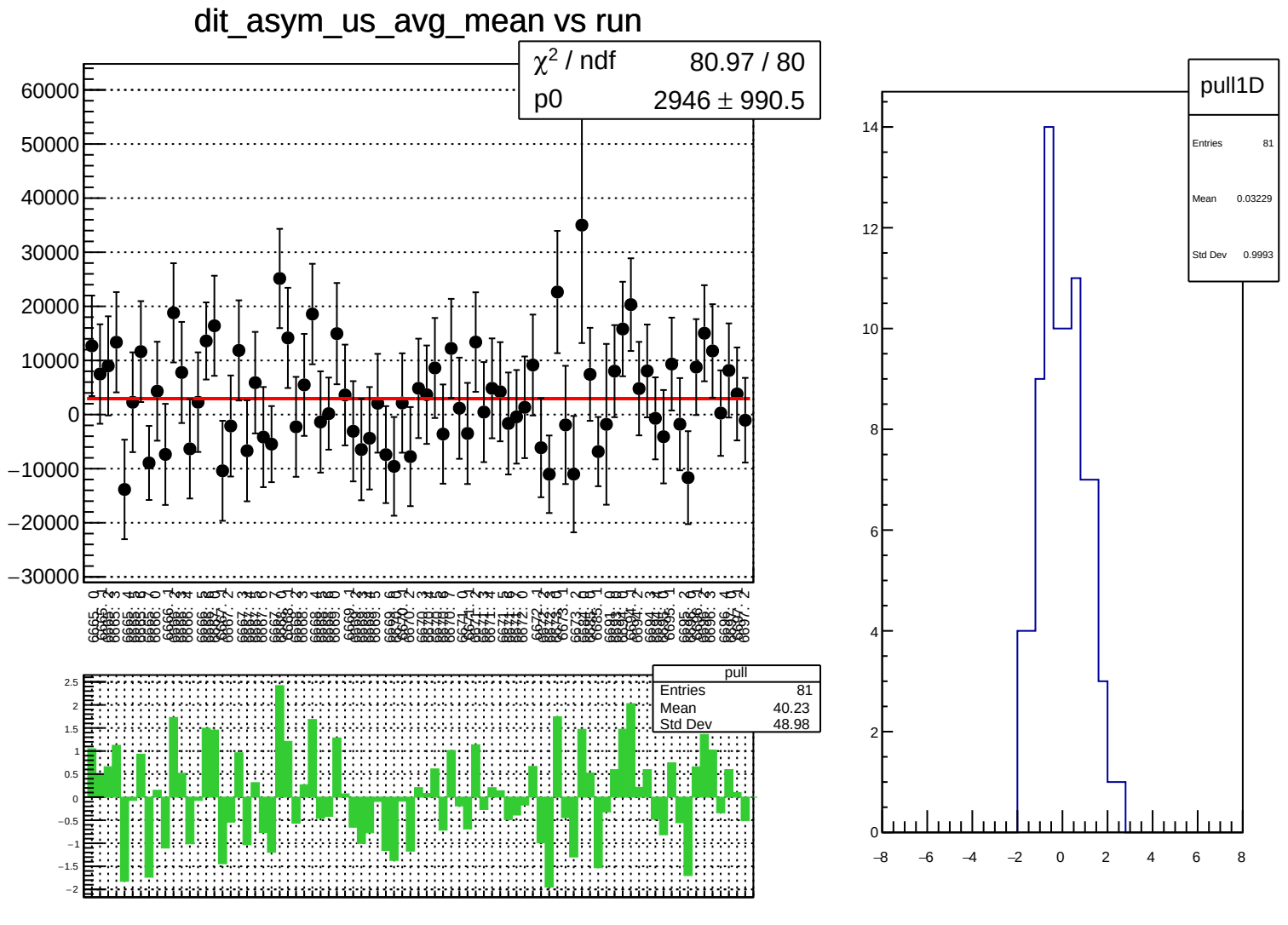
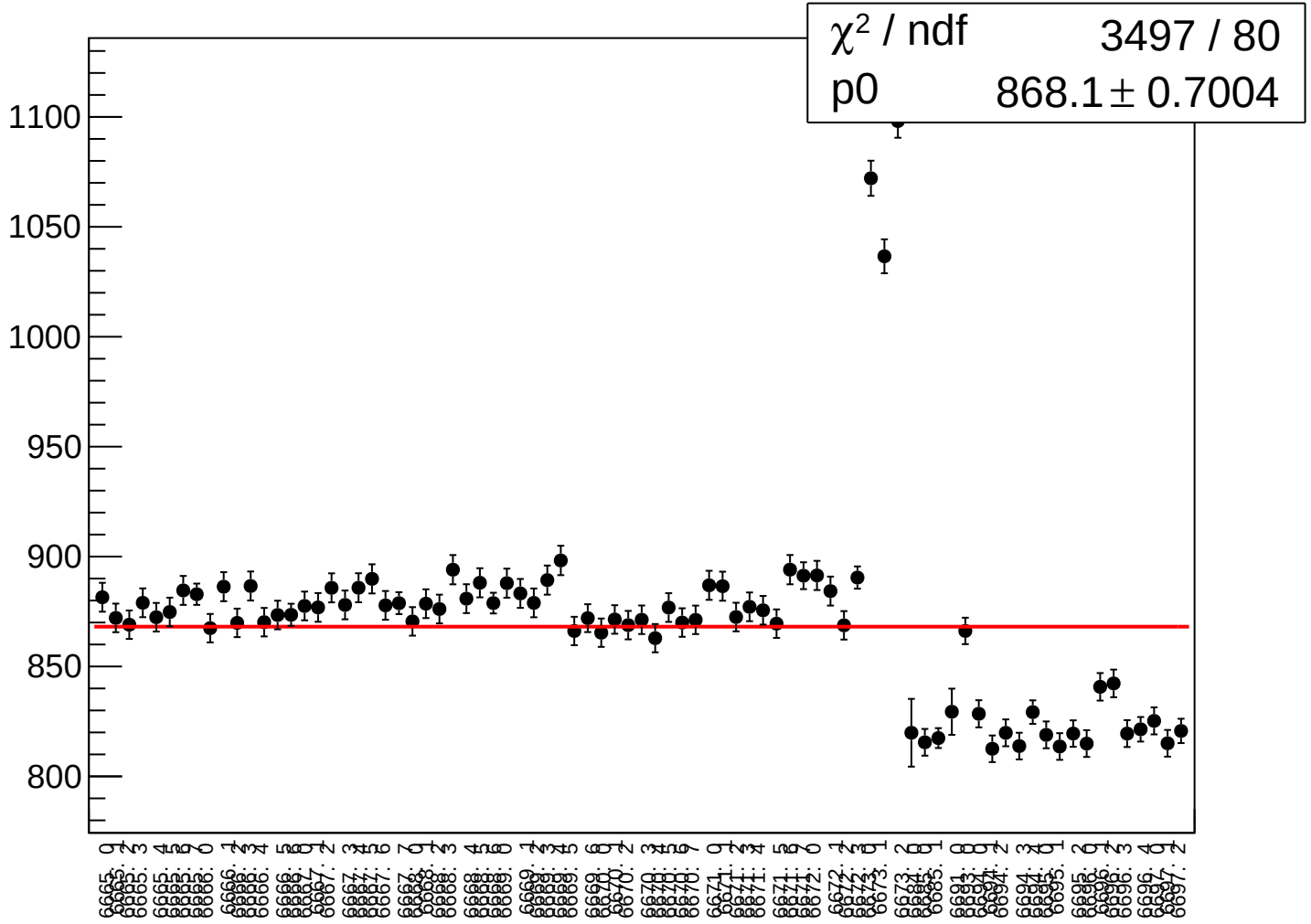
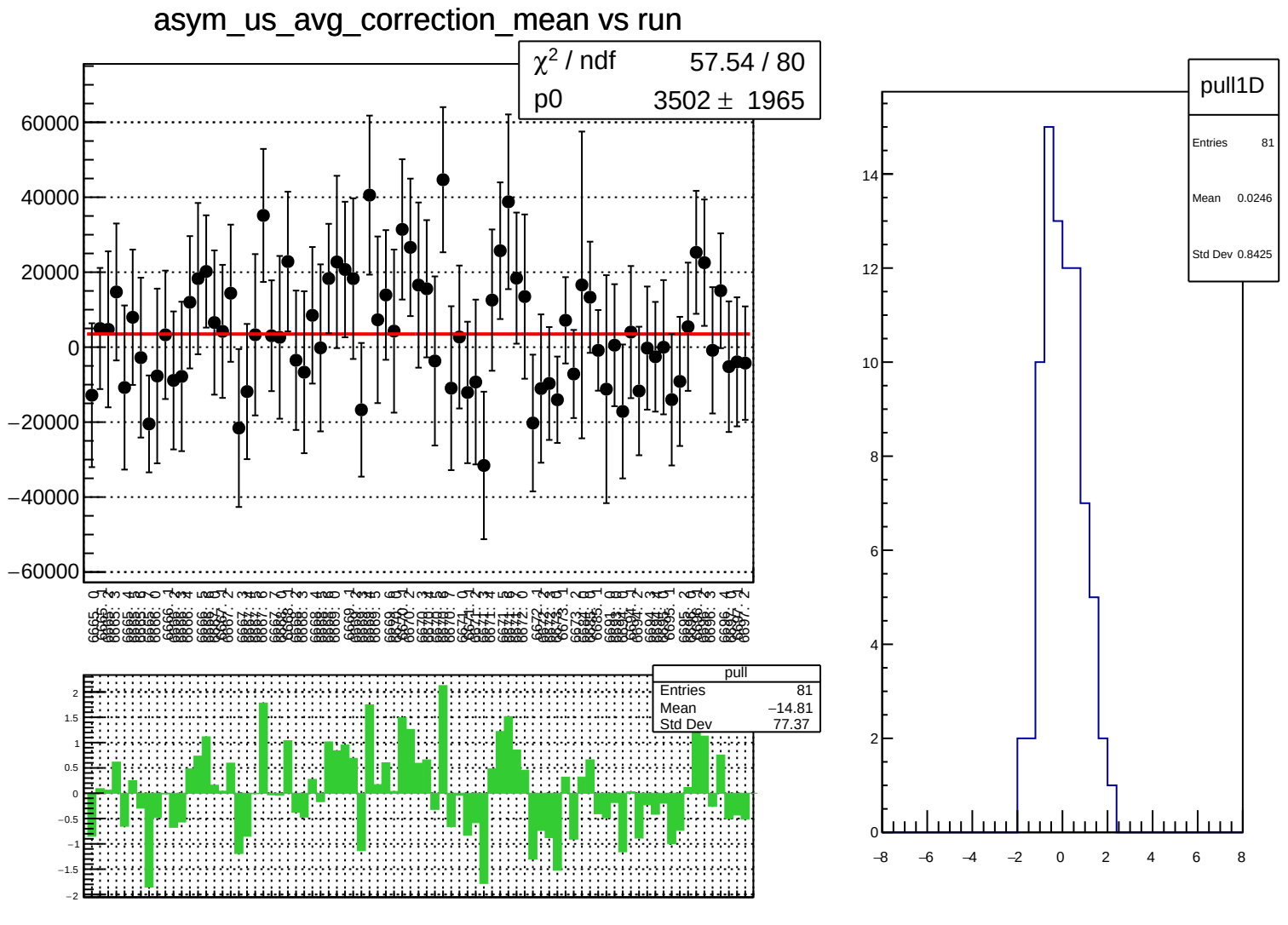
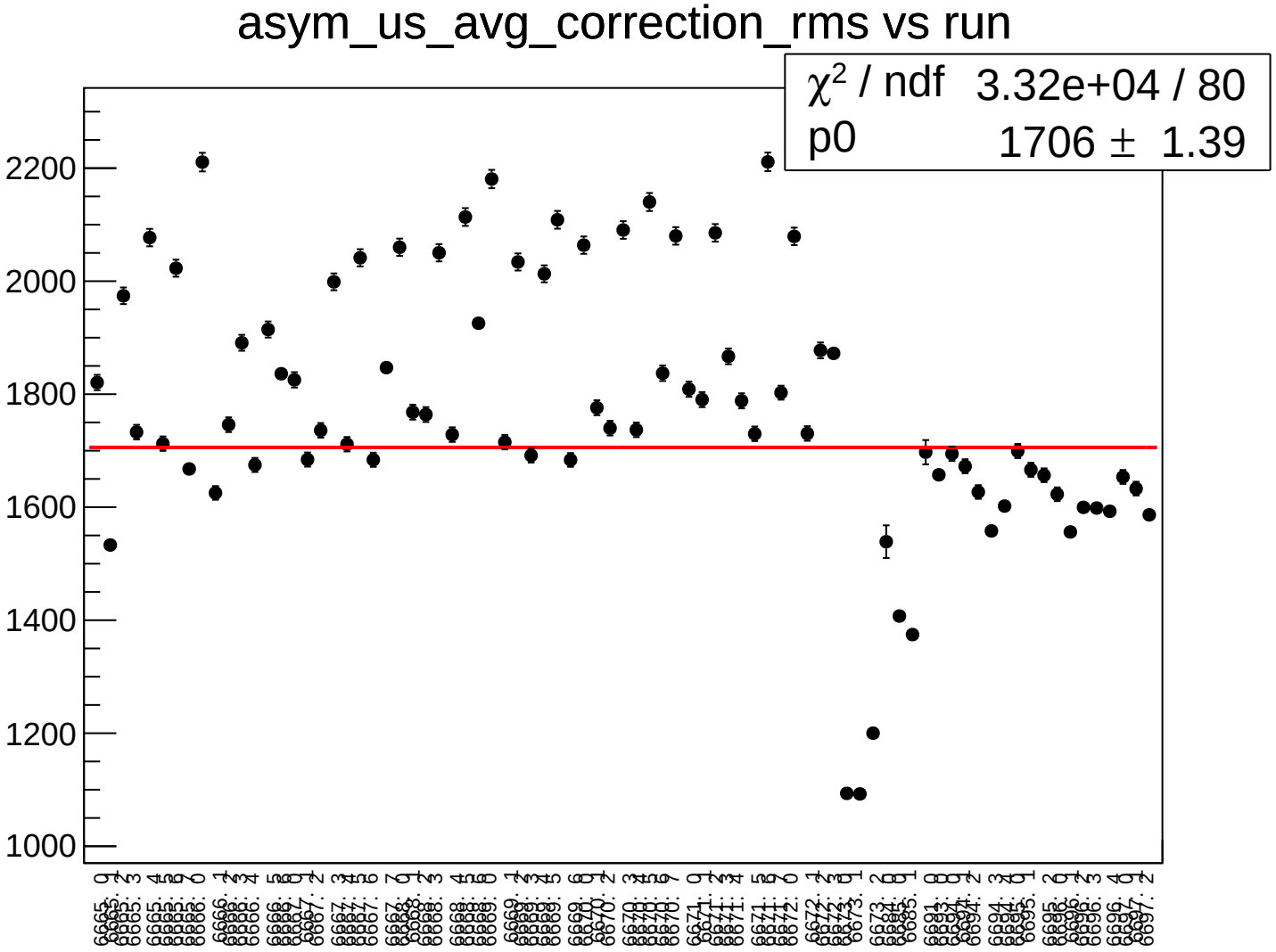
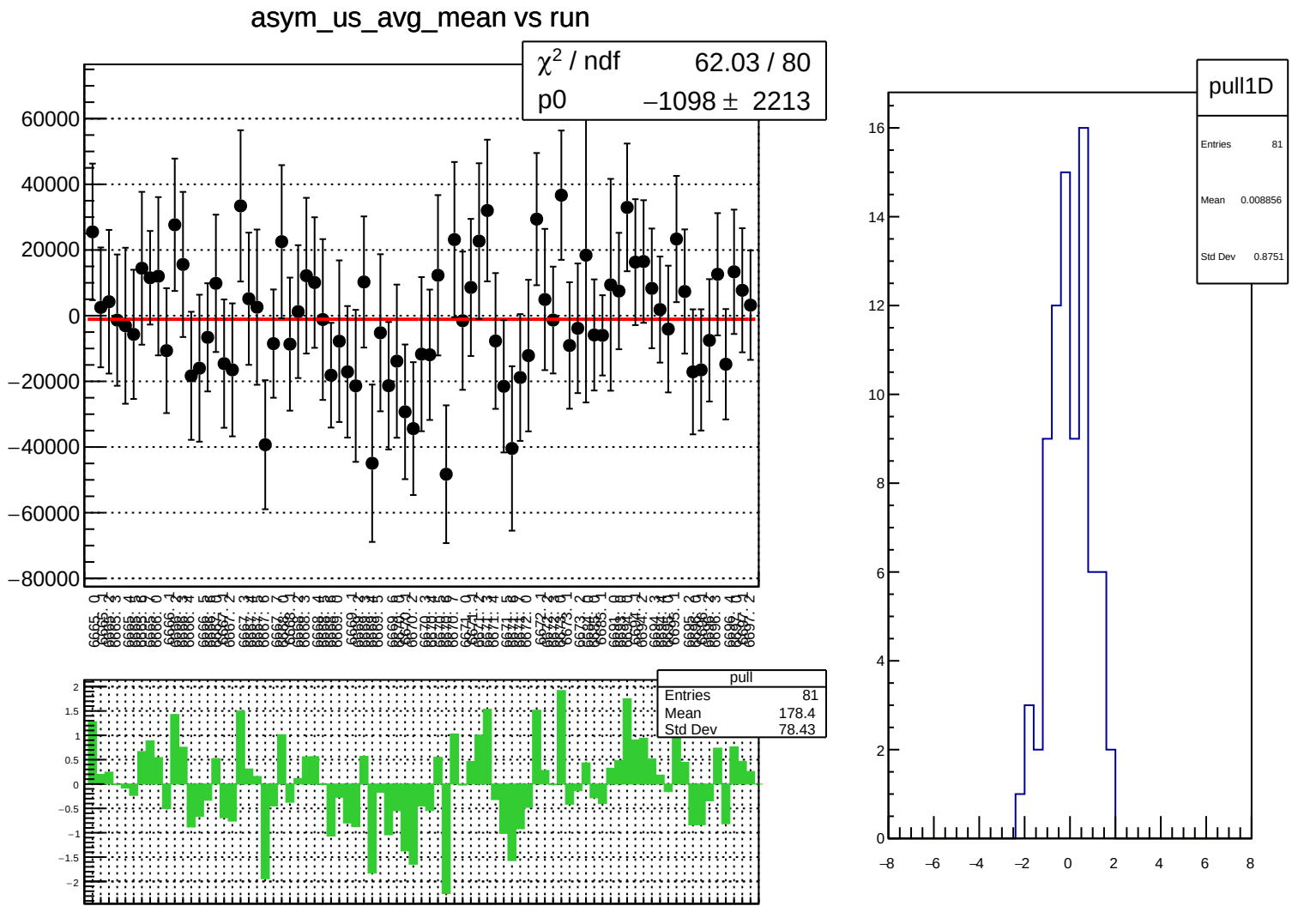

dit_asym_us_avg_mean vs run
χ² / ndf 80.97 / 80
p0 2946 ± 990.5
pull
Entries 81
Mean 40.23
Std Dev 48.98
pull1D
Entries 81
Mean 0.03229
Std Dev 0.9993

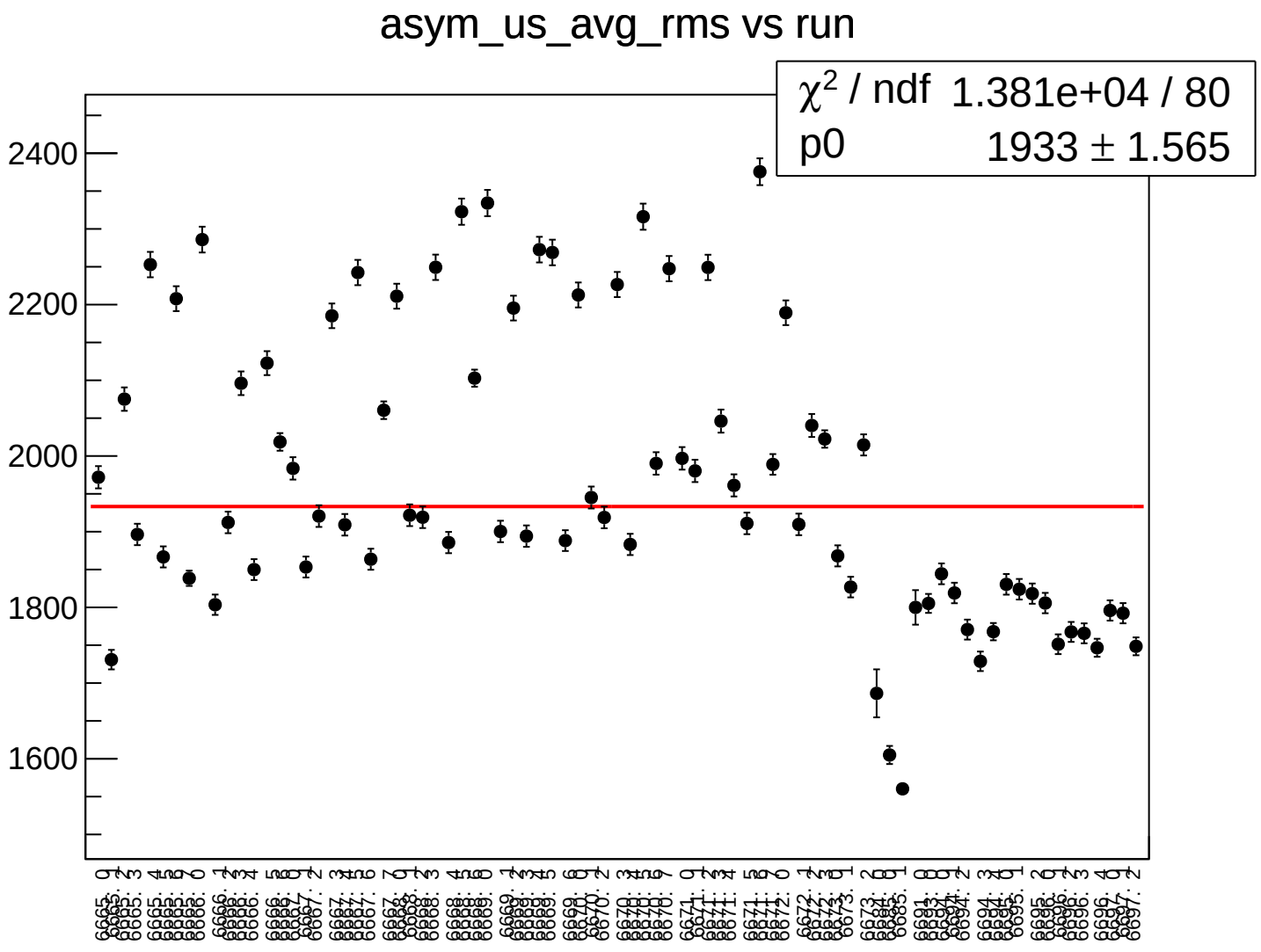
dit_asym_us_avg_rms vs run

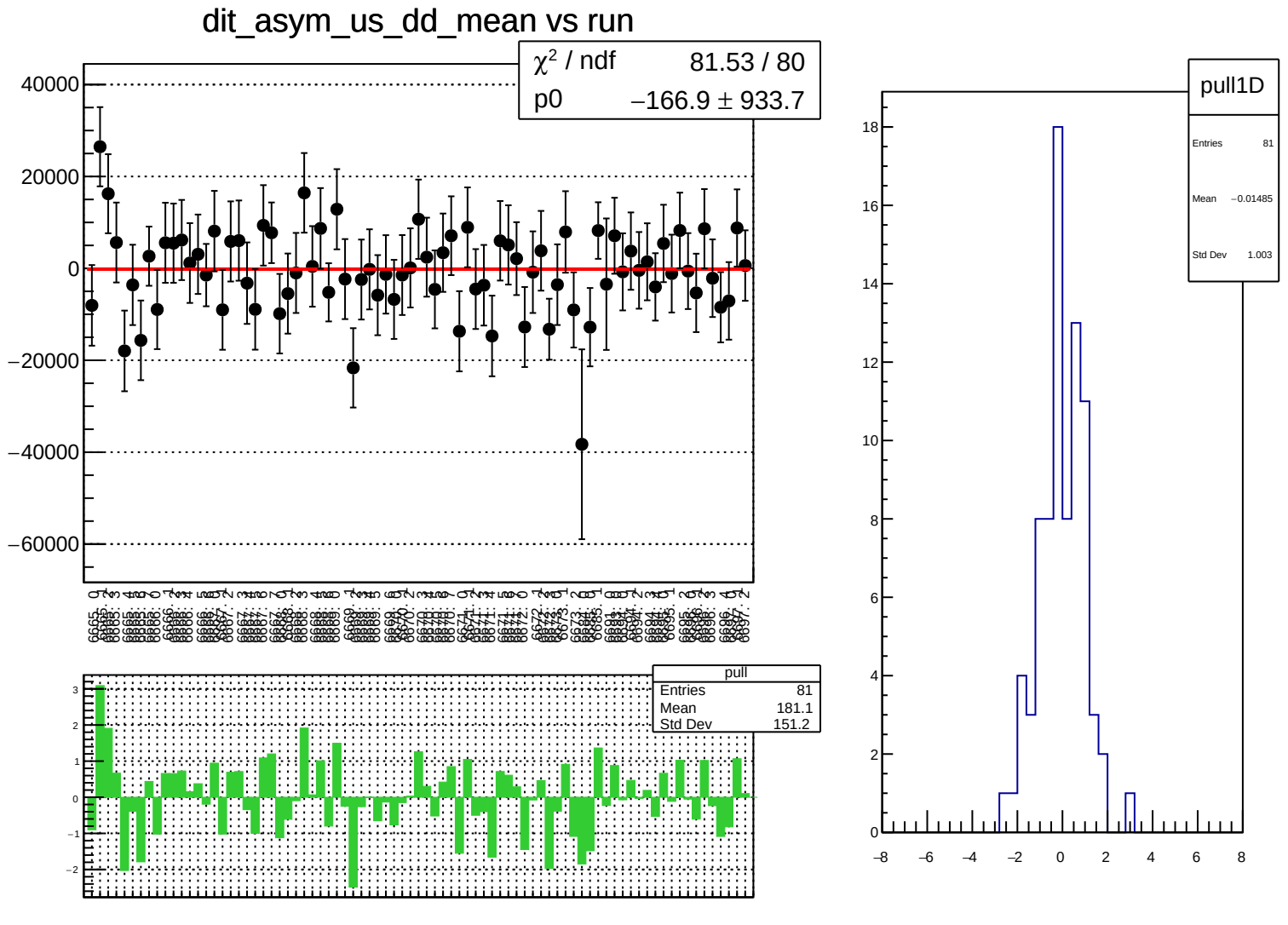


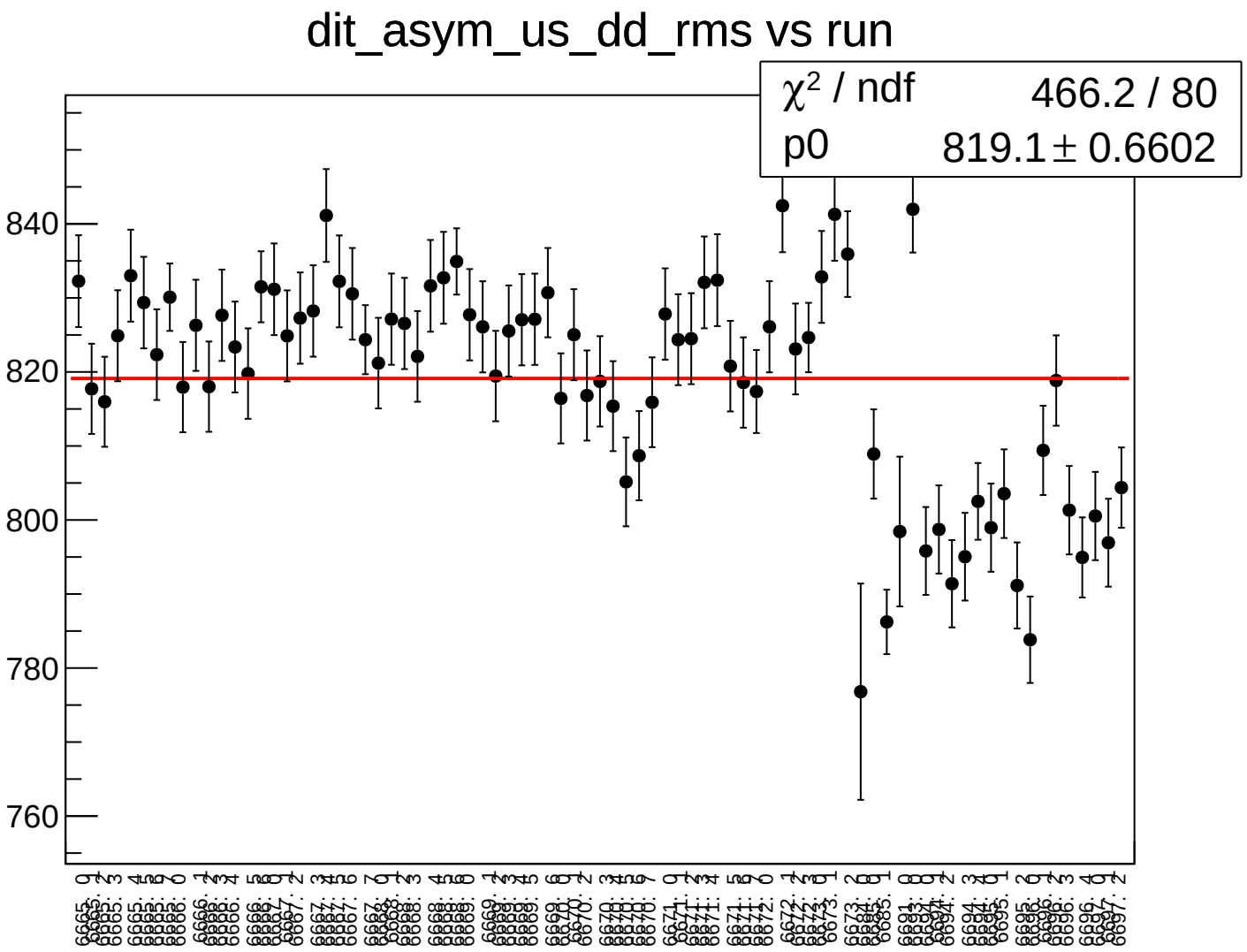

asym_us_avg_correction_mean vs run
χ² / ndf 57.54 / 80
p0 3502 ± 1965
pull
Entries 81
Mean −14.81
Std Dev 77.37
pull1D
Entries 81
Mean 0.0246
Std Dev 0.8425

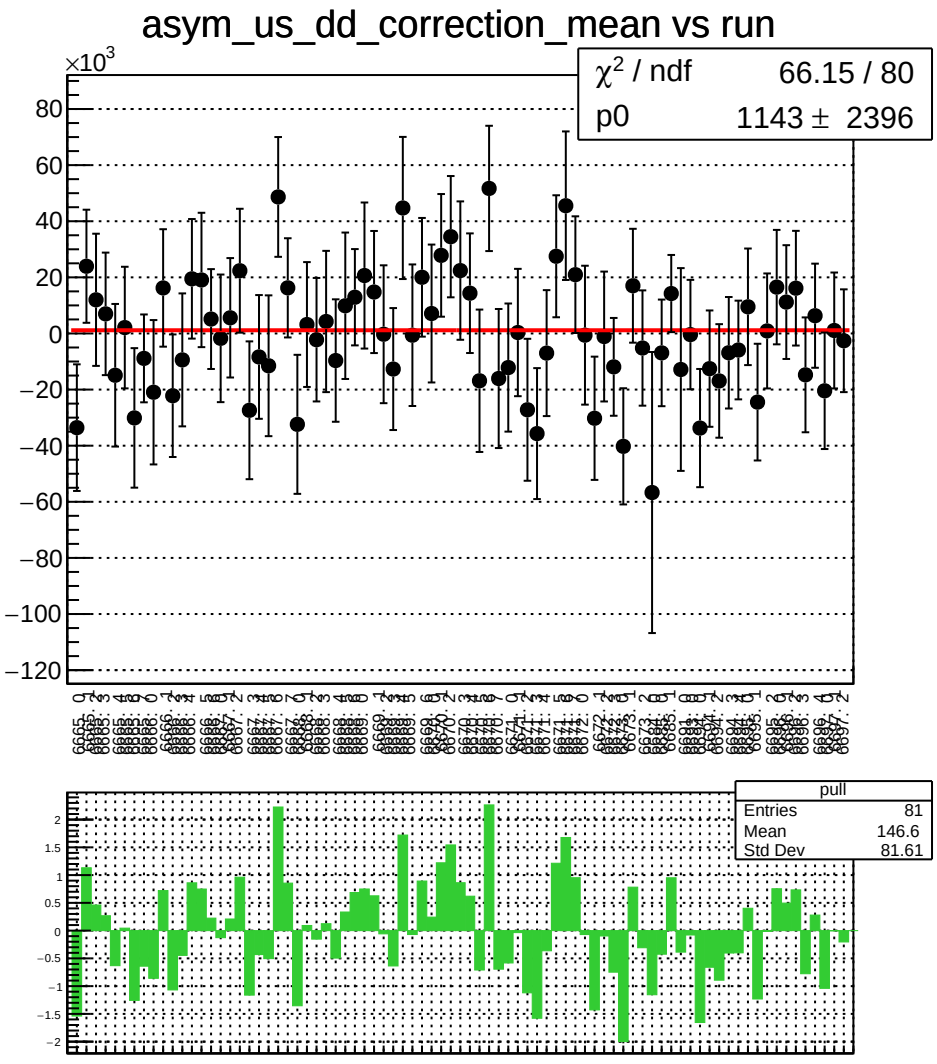

asym_us_avg_correction_rms vs run
χ² / ndf 3.32e+04 / 80
p0 1706 ± 1.39
2200
2000
1800
1600
1400
1200
1000

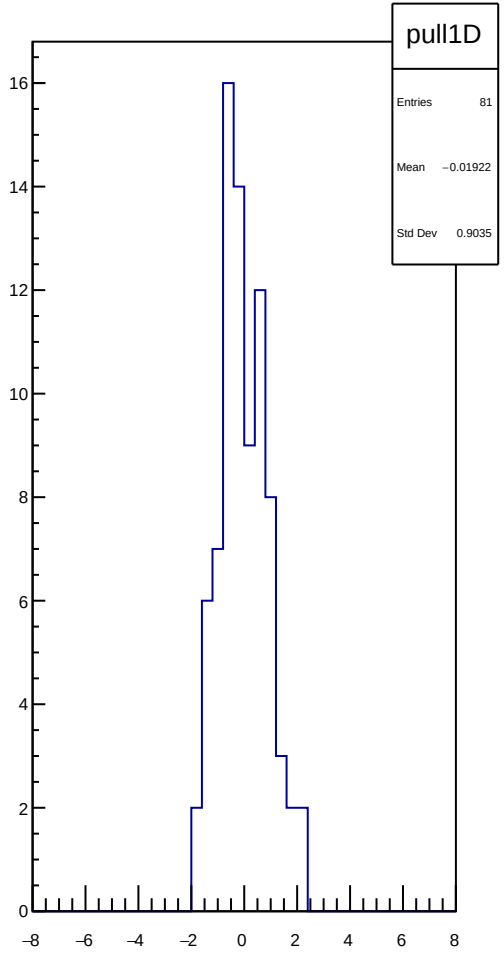

asym_us_avg_mean vs run
χ^2 / ndf 62.03 / 80
p0 −1098 ± 2213
pull
Entries 81
Mean 178.4
Std Dev 78.43
pull1D
Entries 81
Mean 0.008856
Std Dev 0.8751

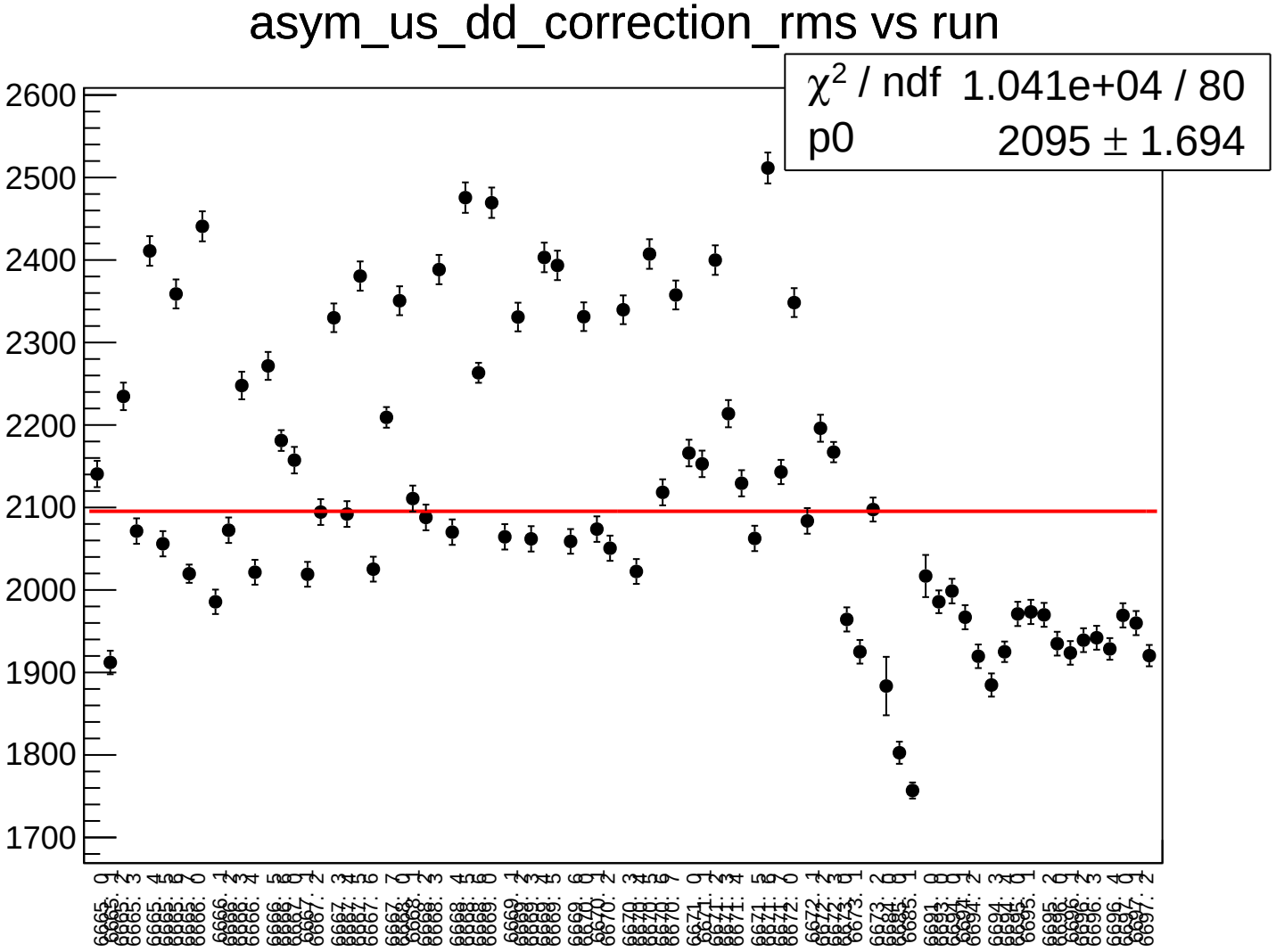

asym_us_avg_rms vs run
χ² / ndf 1.381e+04 / 80
p0 1933 ± 1.565
2400
2200
2000
1800
1600

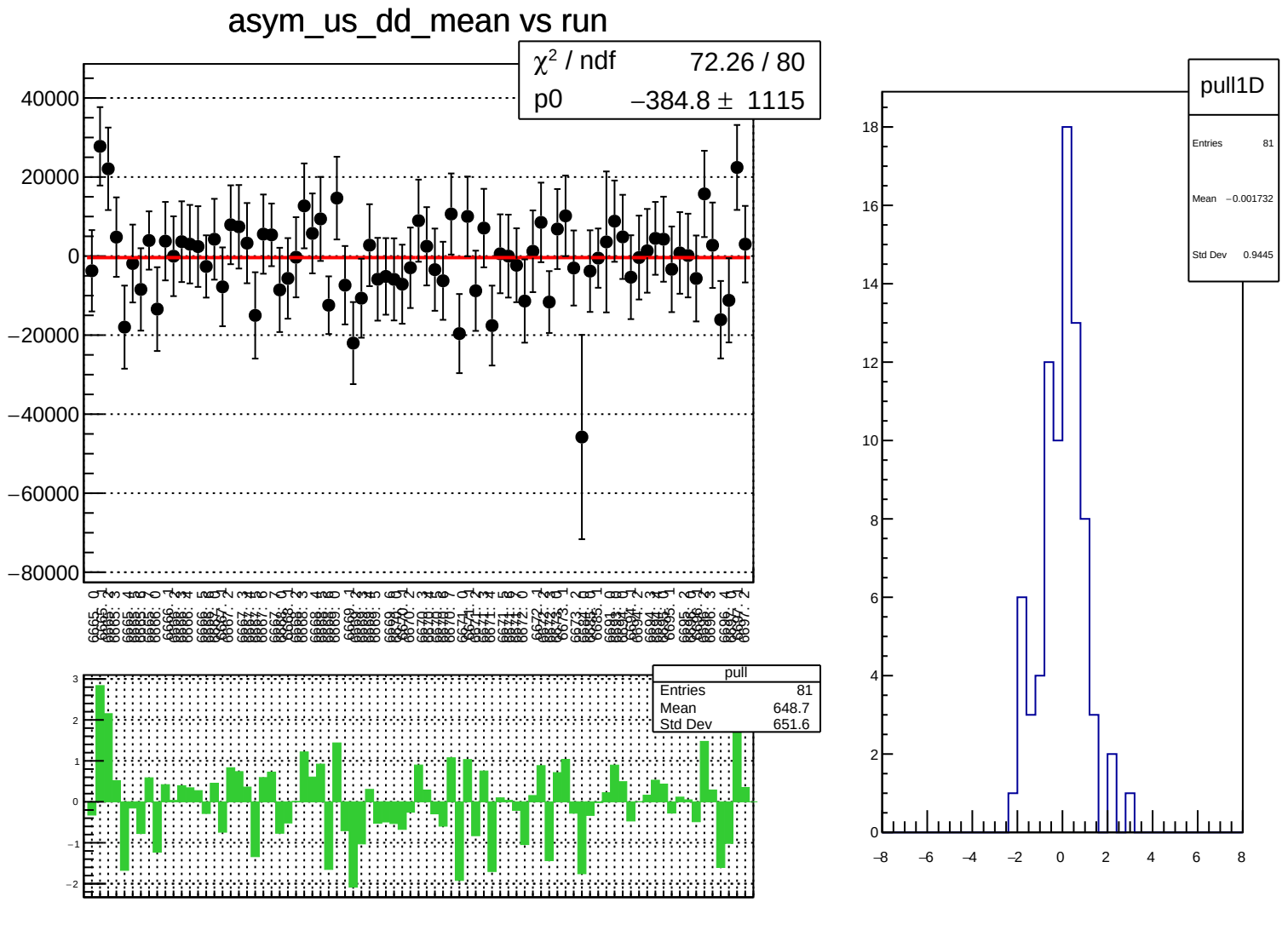

dit_asym_us_dd_mean vs run
χ² / ndf 81.53 / 80
p0 −166.9 ± 933.7
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 181.1
Std Dev 151.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01485
Std Dev 1.003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

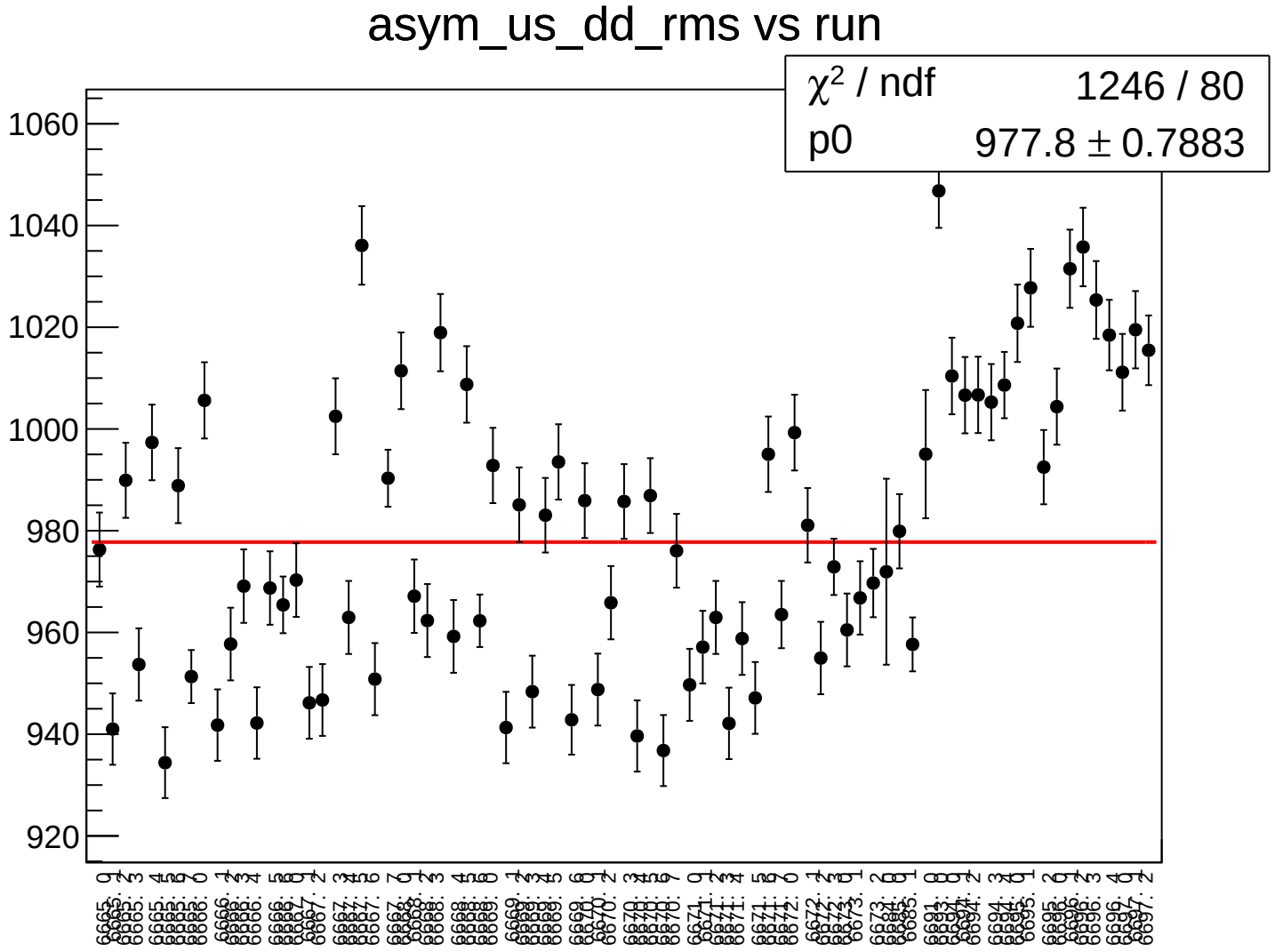

dit_asym_us_dd_rms vs run
χ² / ndf 466.2 / 80
p0 819.1 ± 0.6602
840
820
800
780
760

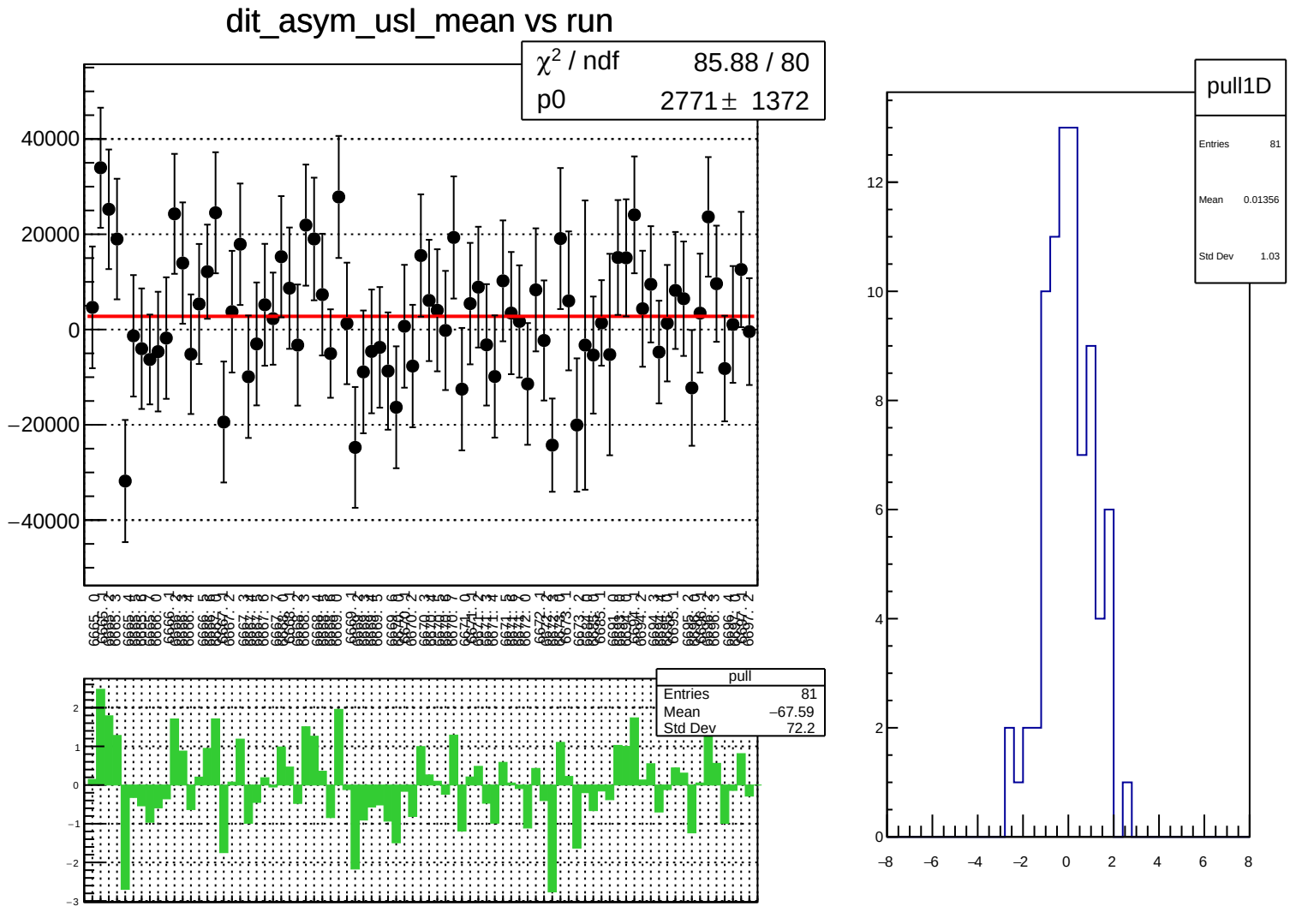

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 66.15 / 80
p0 1143 ± 2396
pull
Entries 81
Mean 146.6
Std Dev 81.61


pull1D
Entries 81
Mean −0.01922
Std Dev 0.9035

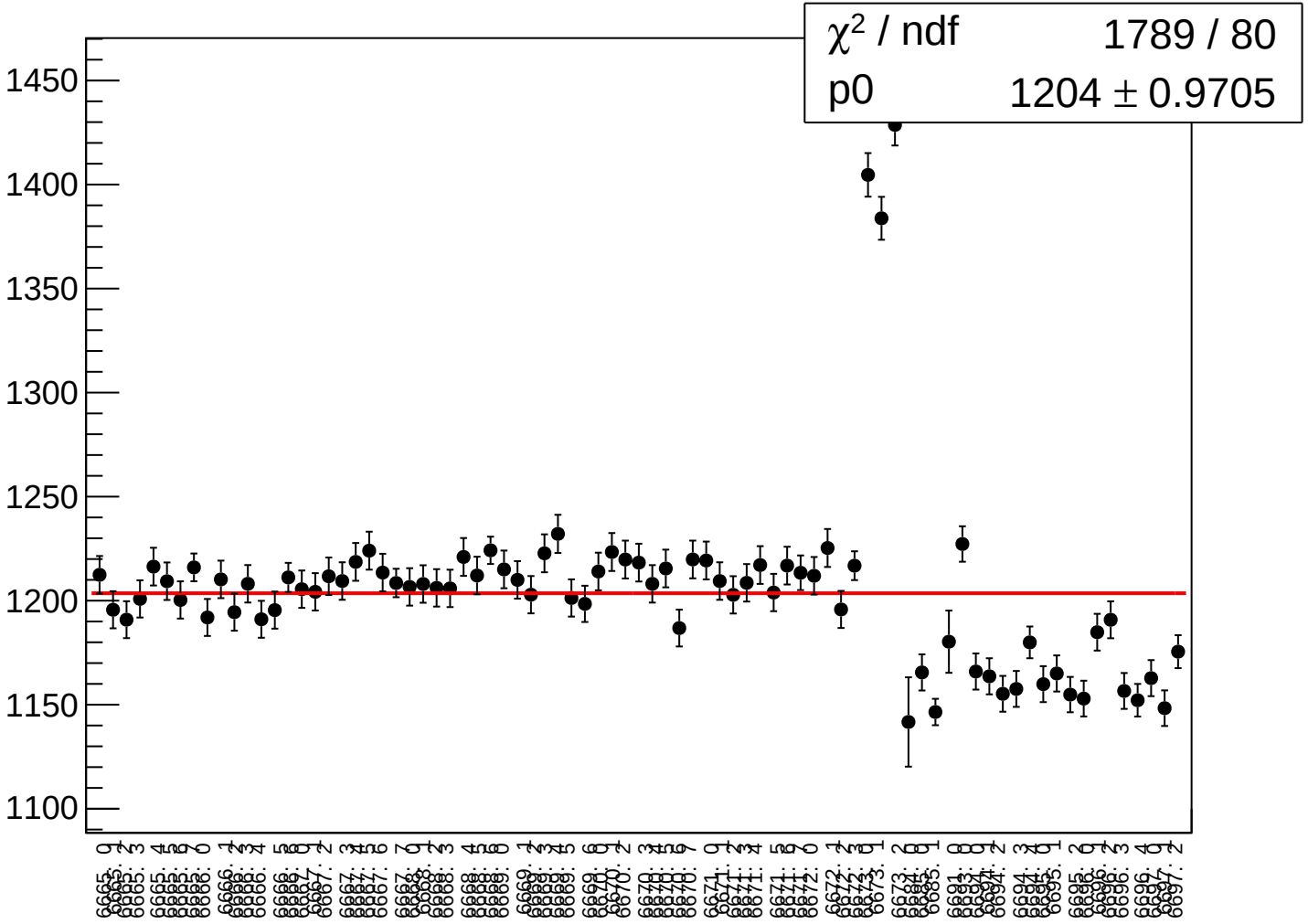

asym_us_dd_correction_rms vs run
χ² / ndf 1.041e+04 / 80
p0 2095 ± 1.694
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700

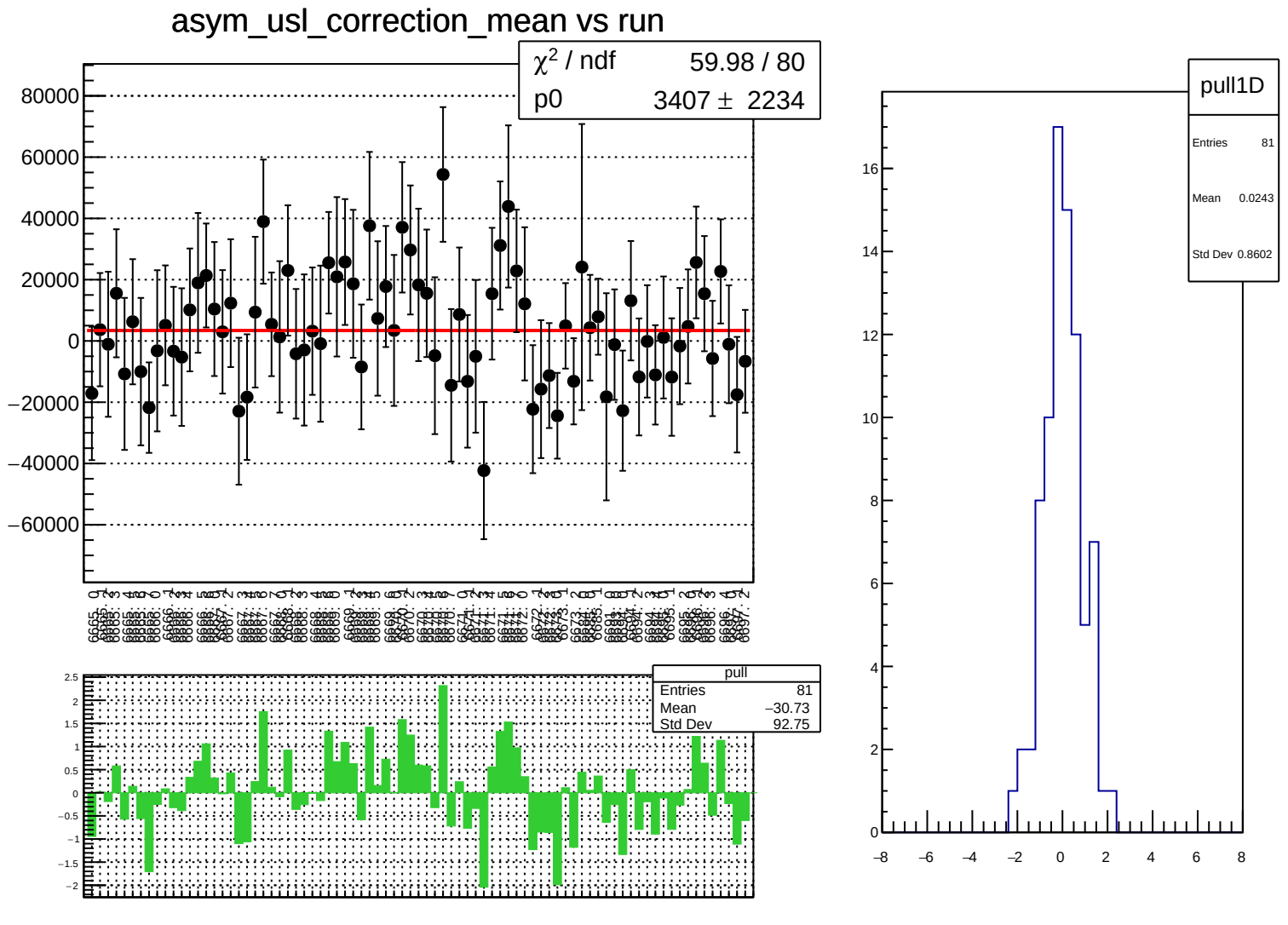

asym_us_dd_mean vs run
χ² / ndf 72.26 / 80
p0 −384.8 ± 1115
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean 648.7
Std Dev 651.6
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.001732
Std Dev 0.9445
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_rms vs run
χ² / ndf 1246 / 80
p0 977.8 ± 0.7883
1060
1040
1020
1000
980
960
940
920

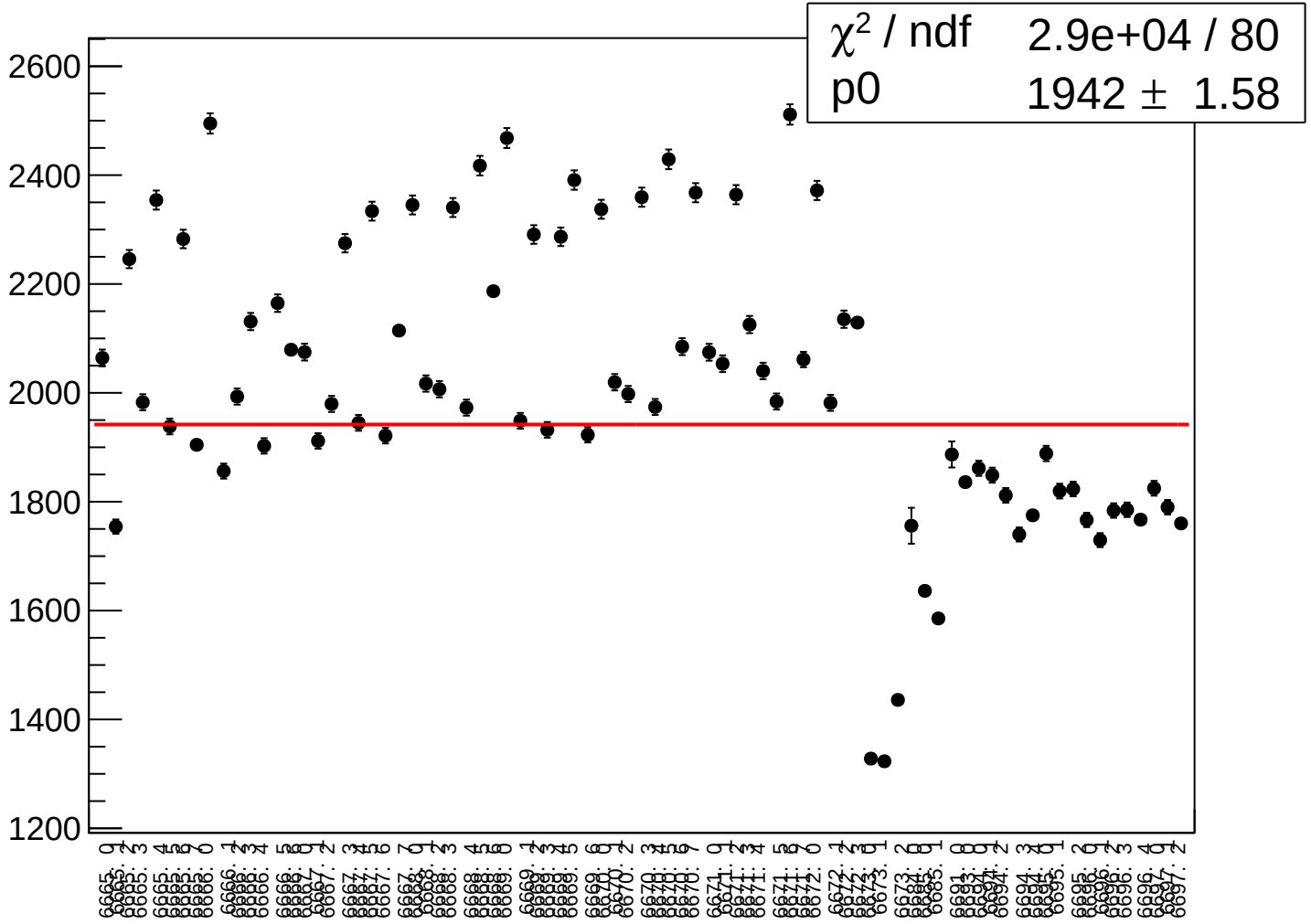

dit_asym_usl_mean vs run
χ² / ndf 85.88 / 80
p0 2771 ± 1372
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −67.59
Std Dev 72.2
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.01356
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

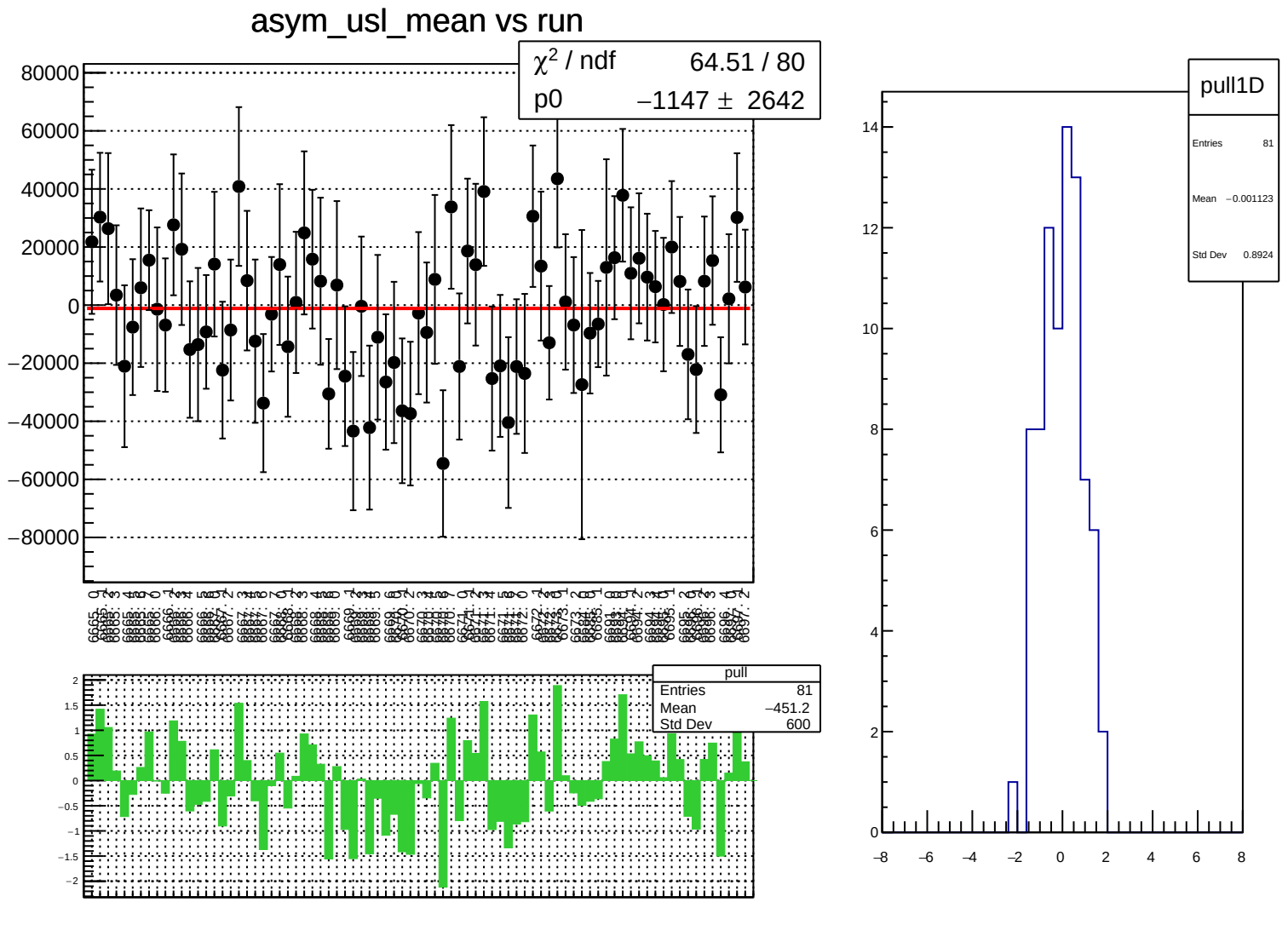
dit_asym_usl_rms vs run



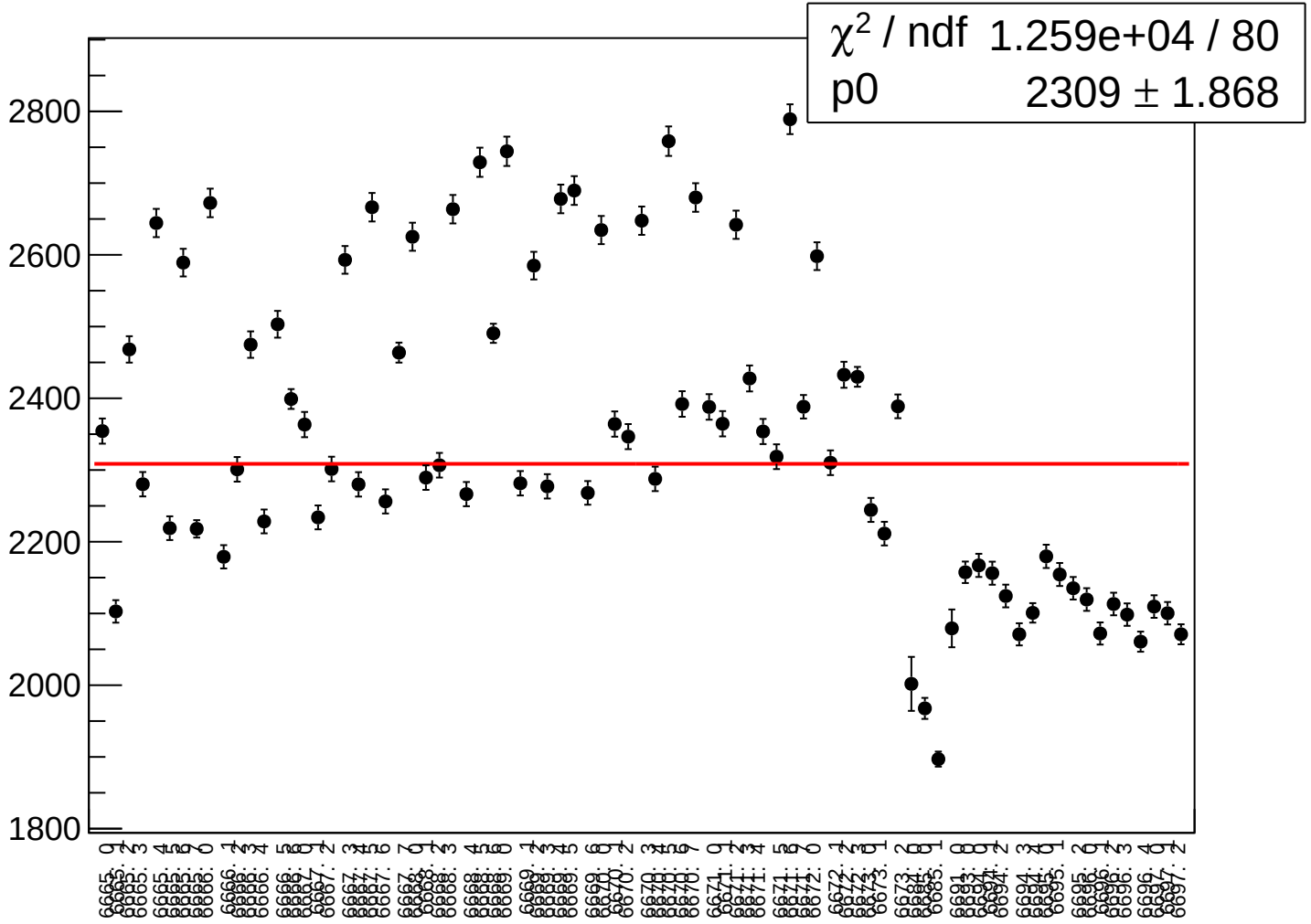

asym_usl_correction_mean vs run
χ² / ndf 59.98 / 80
p0 3407 ± 2234
pull
Entries 81
Mean −30.73
Std Dev 92.75
pull1D
Entries 81
Mean 0.0243
Std Dev 0.8602

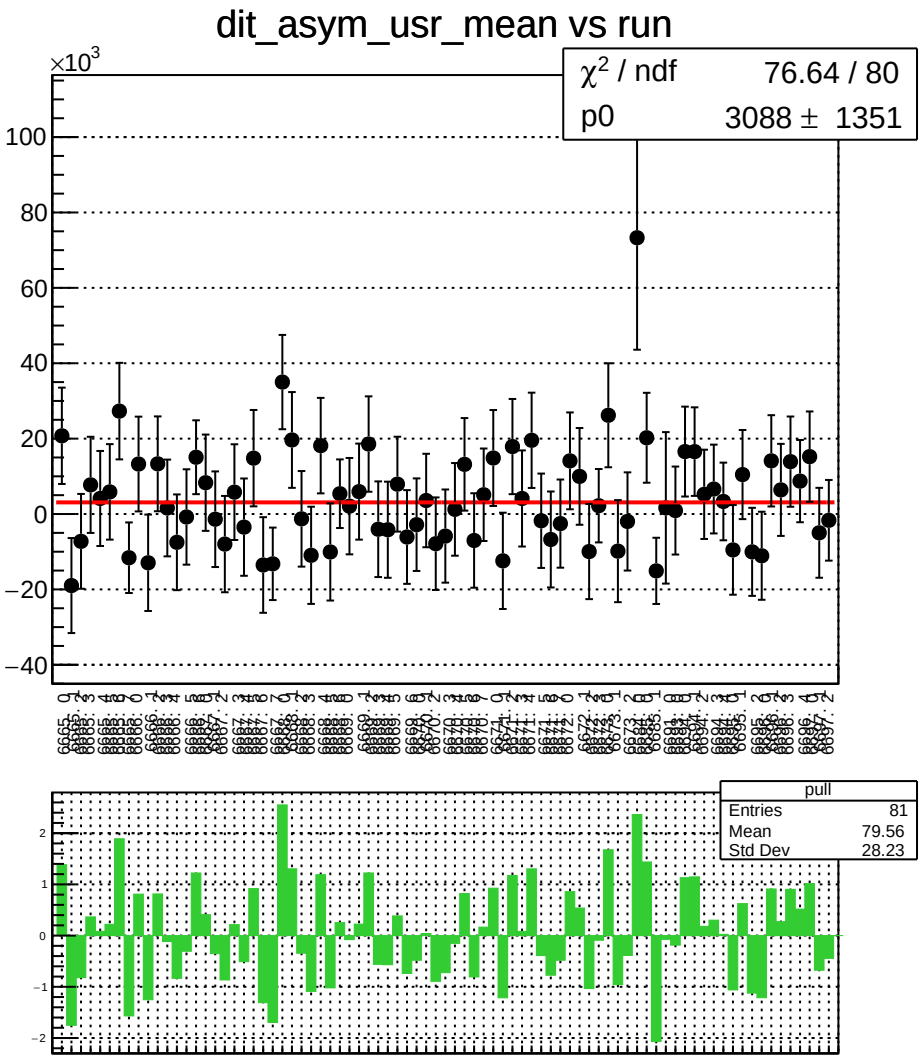
asym_usl_correction_rms vs run

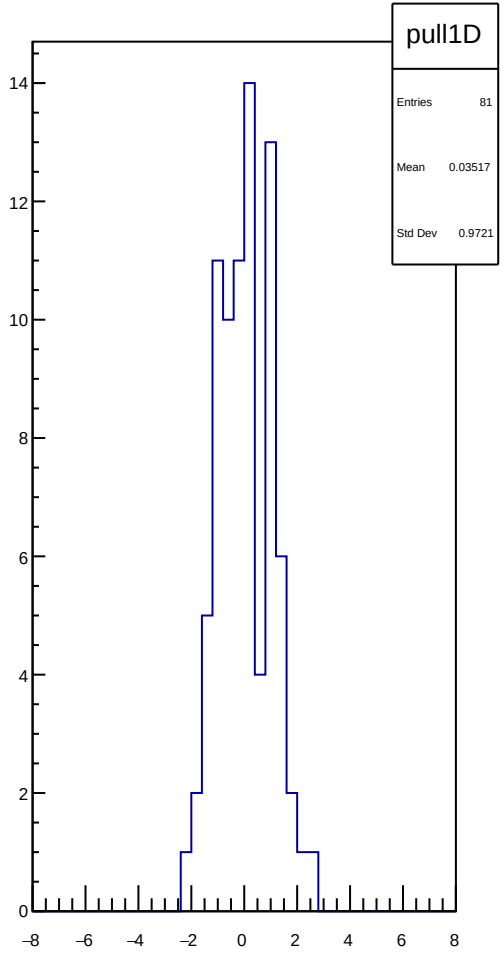


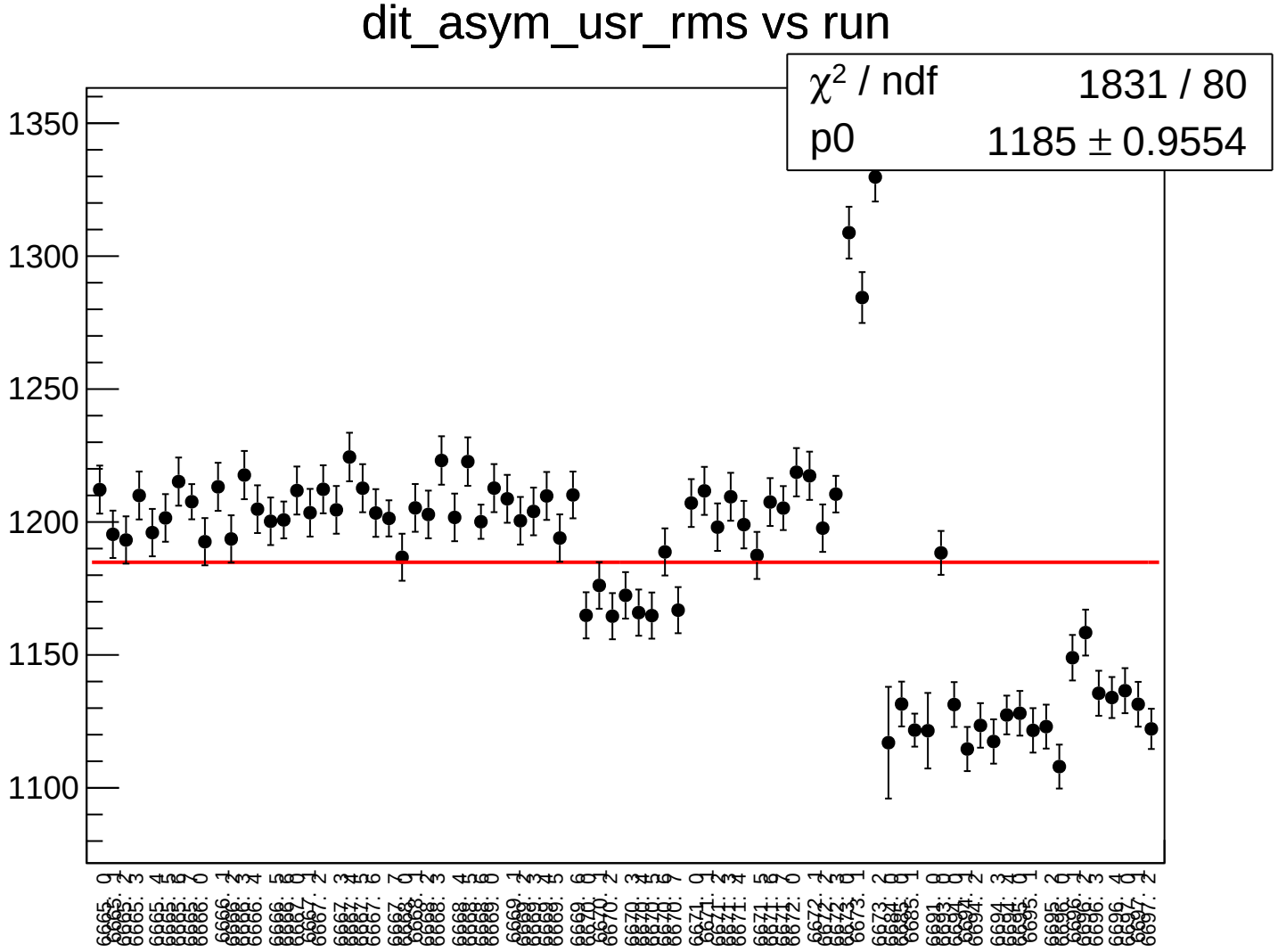

asym_usl_mean vs run
χ² / ndf 64.51 / 80
p0 −1147 ± 2642
pull
Entries 81
Mean −451.2
Std Dev 600
pull1D
Entries 81
Mean −0.001123
Std Dev 0.8924

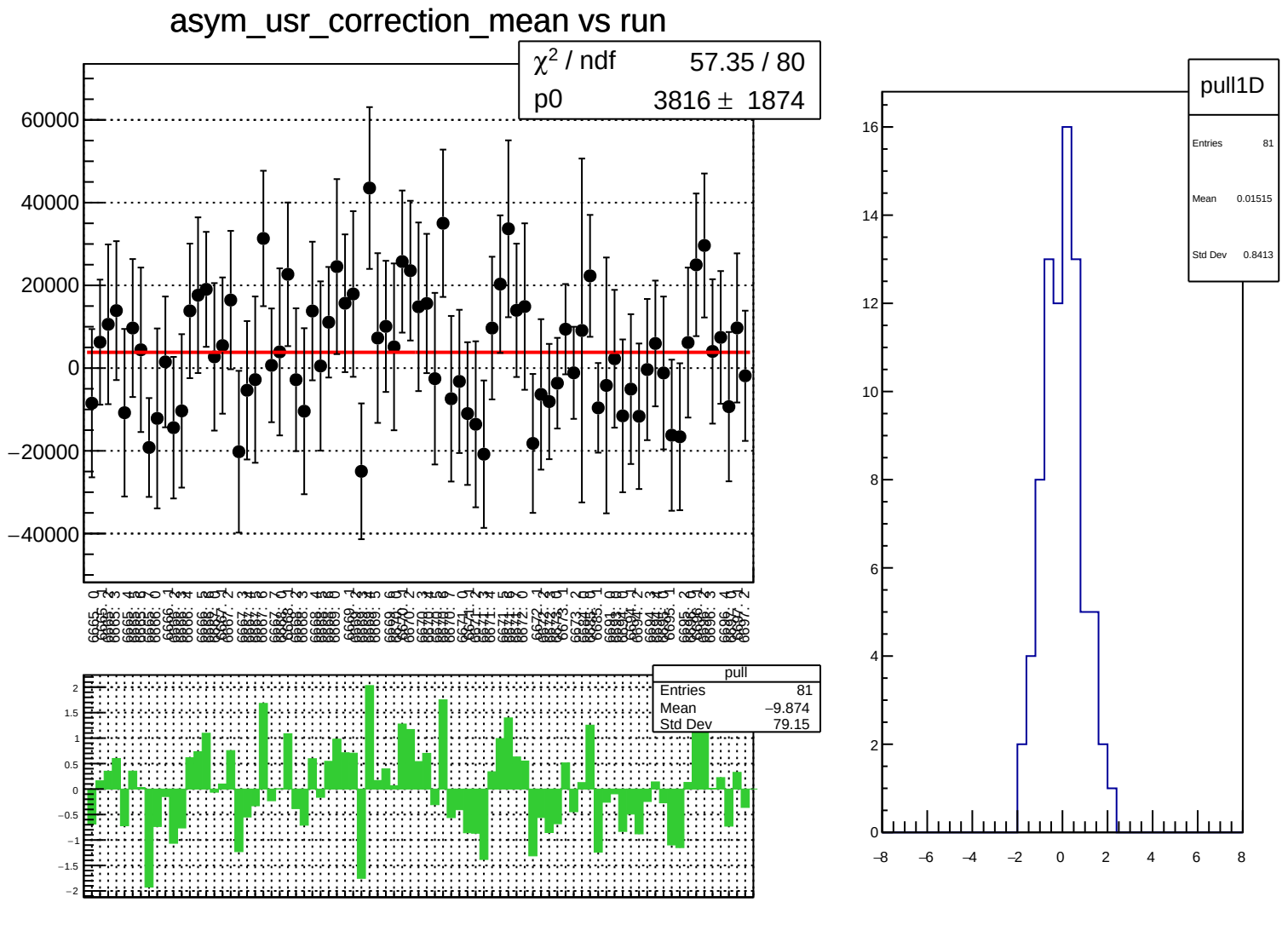
asym_usl_rms vs run

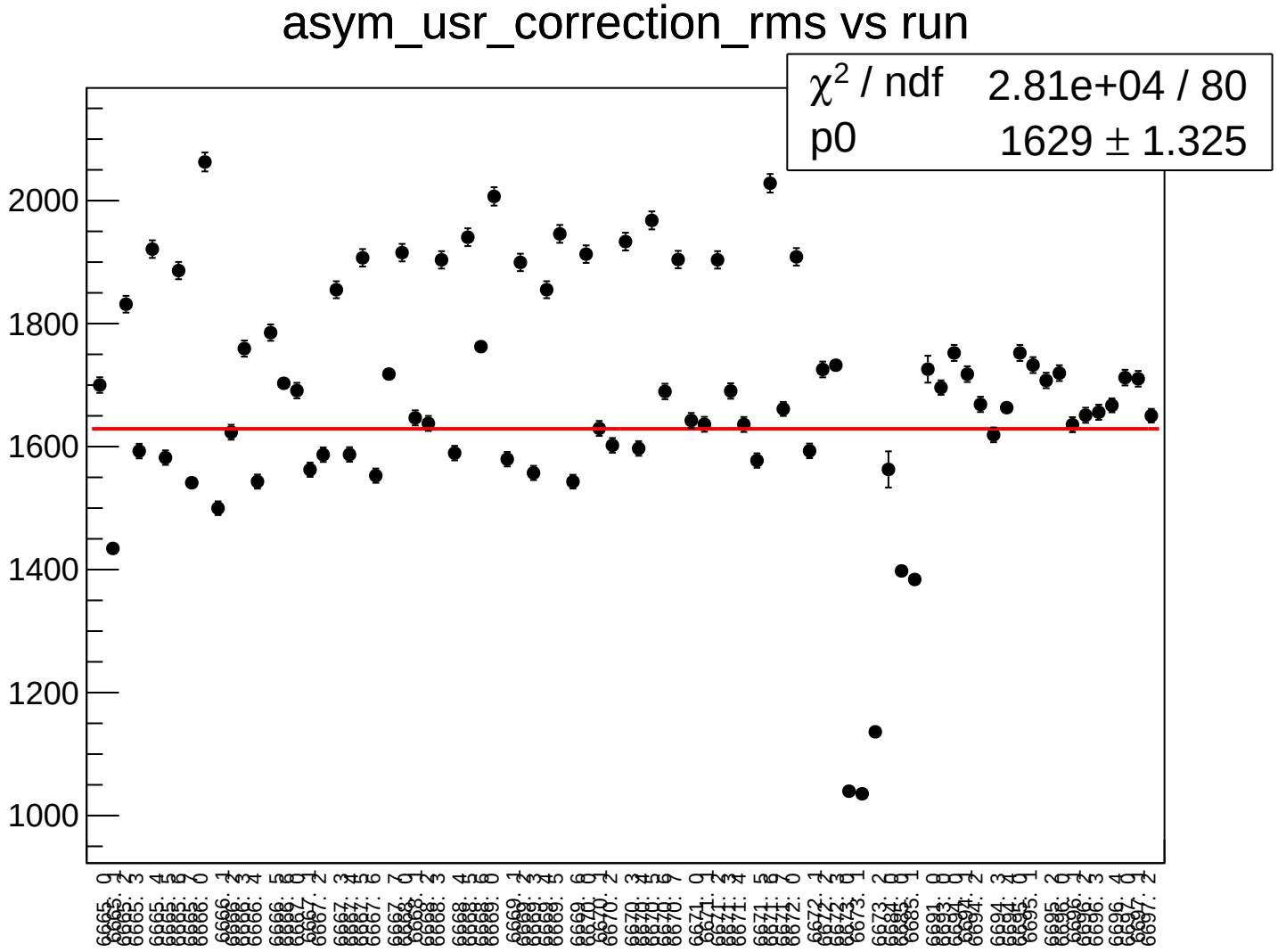


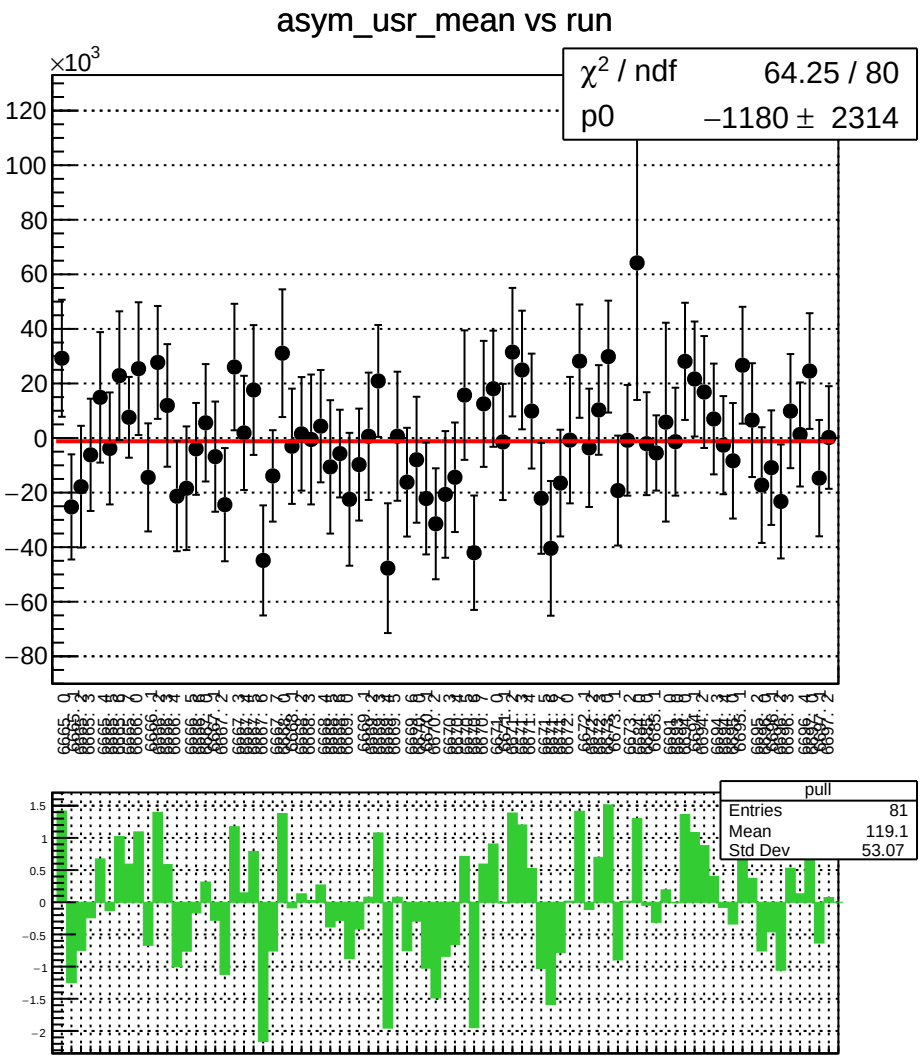

dit_asym_usr_mean vs run
×10^3
χ² / ndf 76.64 / 80
p0 3088 ± 1351
pull
Entries 81
Mean 79.56
Std Dev 28.23

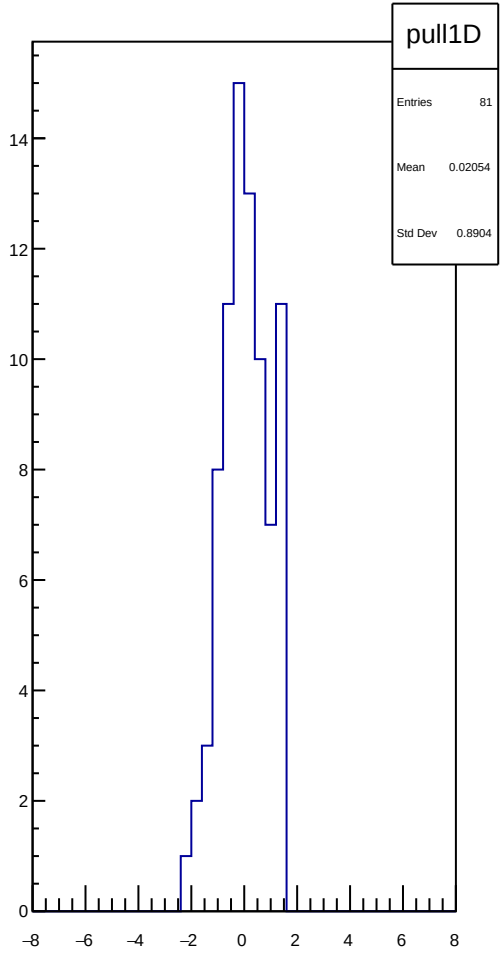

pull1D
Entries 81
Mean 0.03517
Std Dev 0.9721

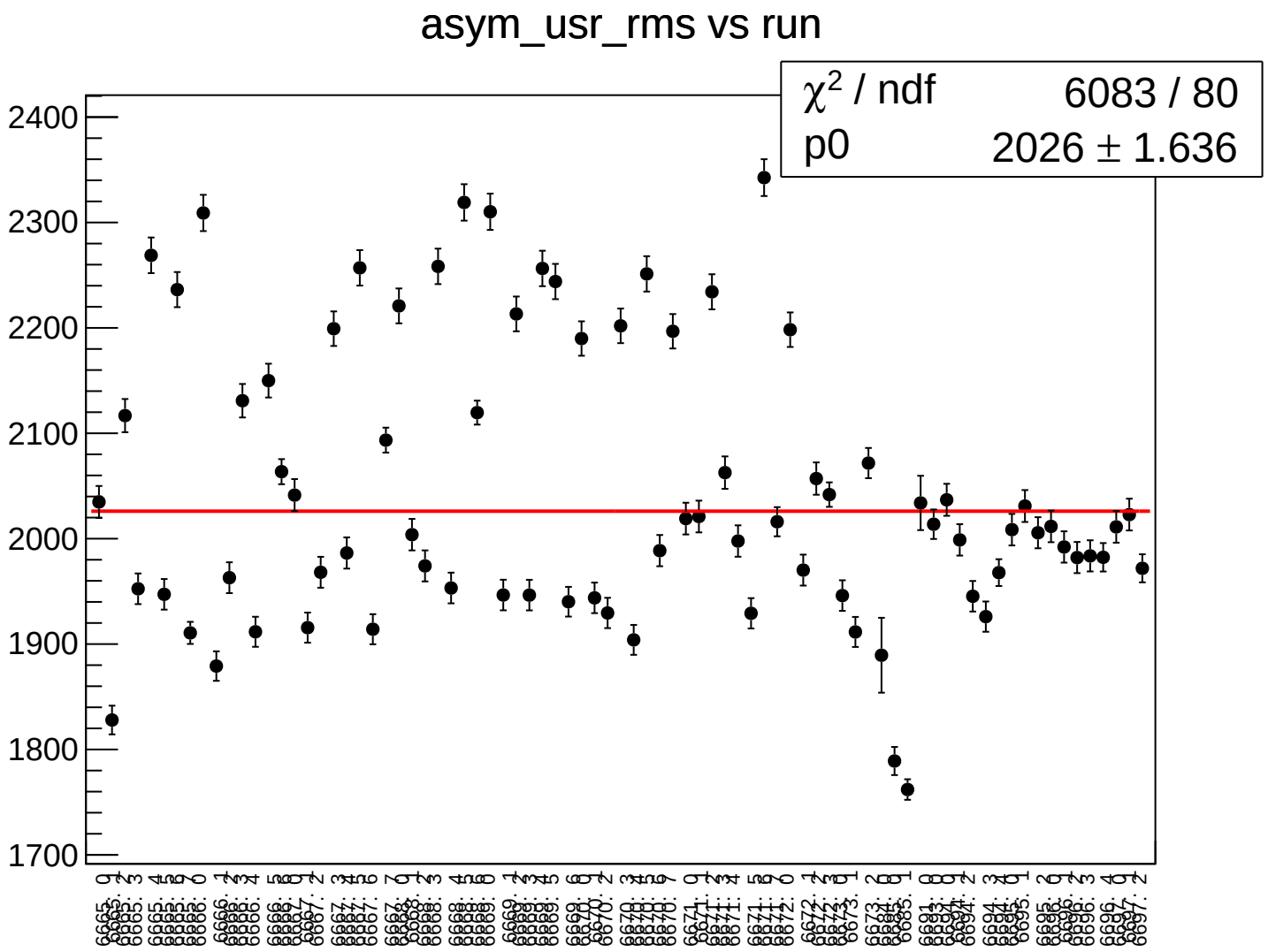

dit_asym_usr_rms vs run
χ² / ndf 1831 / 80
p0 1185 ± 0.9554
1350
1300
1250
1200
1150
1100

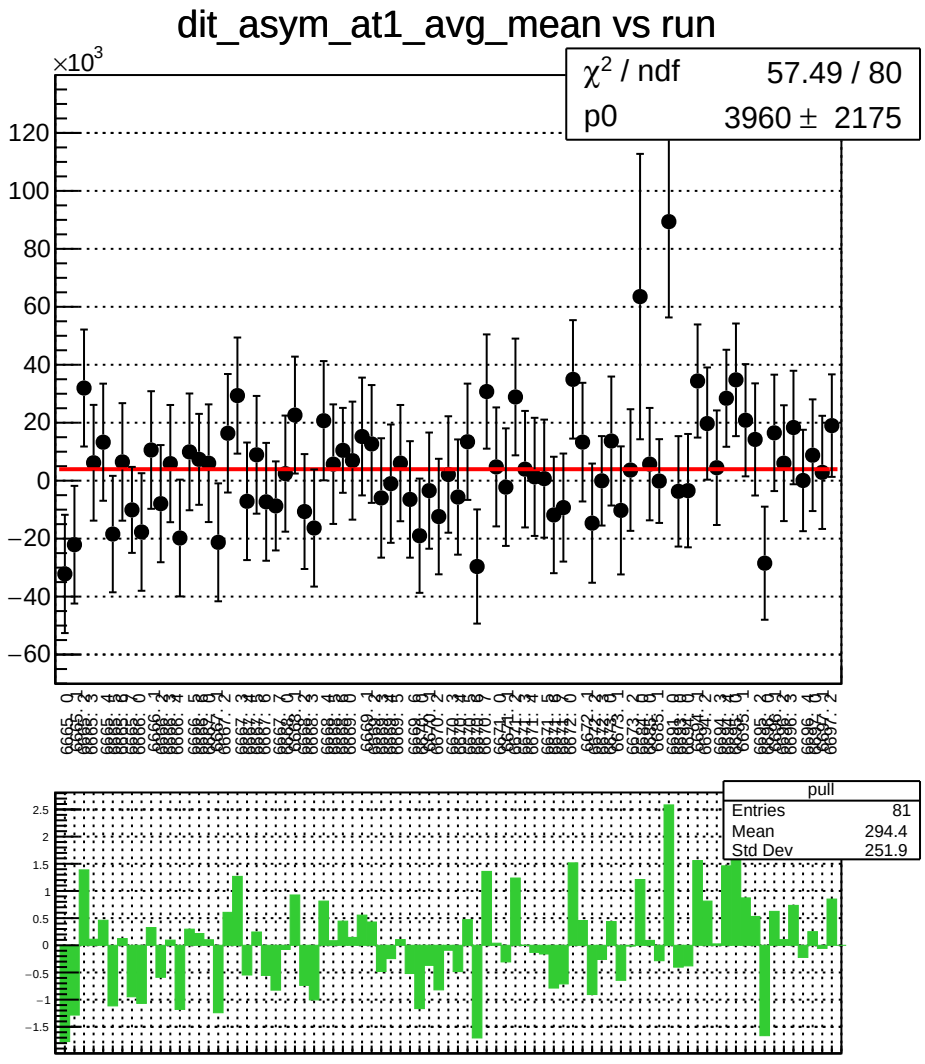

asym_usr_correction_mean vs run
χ² / ndf 57.35 / 80
p0 3816 ± 1874
pull
Entries 81
Mean −9.874
Std Dev 79.15
pull1D
Entries 81
Mean 0.01515
Std Dev 0.8413

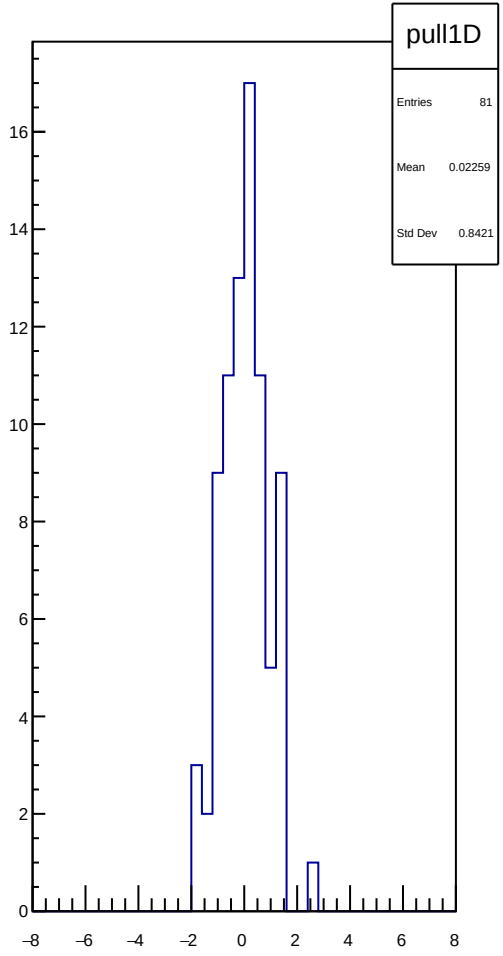

asym_usr_correction_rms vs run
χ² / ndf 2.81e+04 / 80
p0 1629 ± 1.325
2000
1800
1600
1400
1200
1000

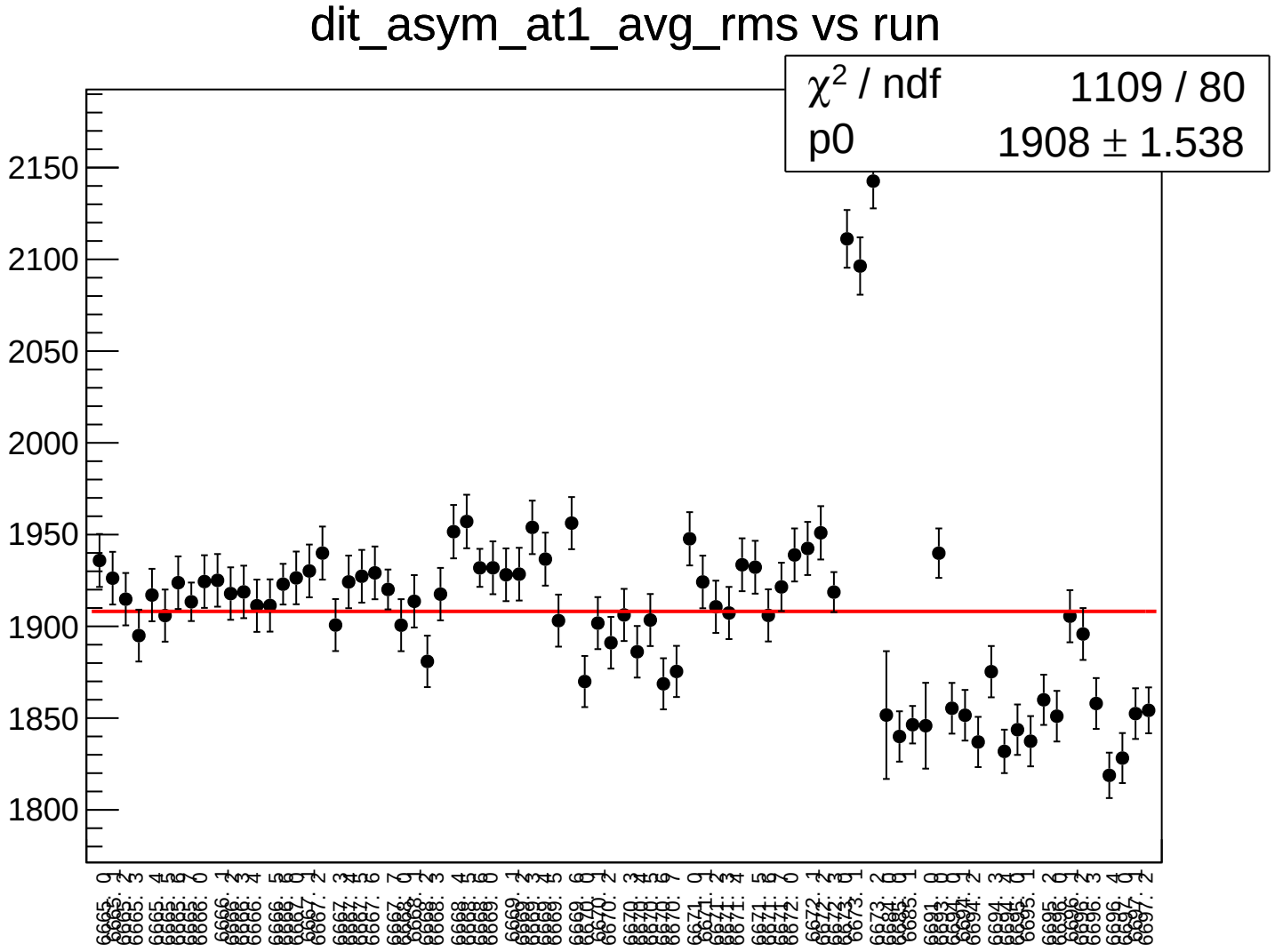

asym_usr_mean vs run
×10^3
χ² / ndf 64.25 / 80
p0 −1180 ± 2314
pull
Entries 81
Mean 119.1
Std Dev 53.07

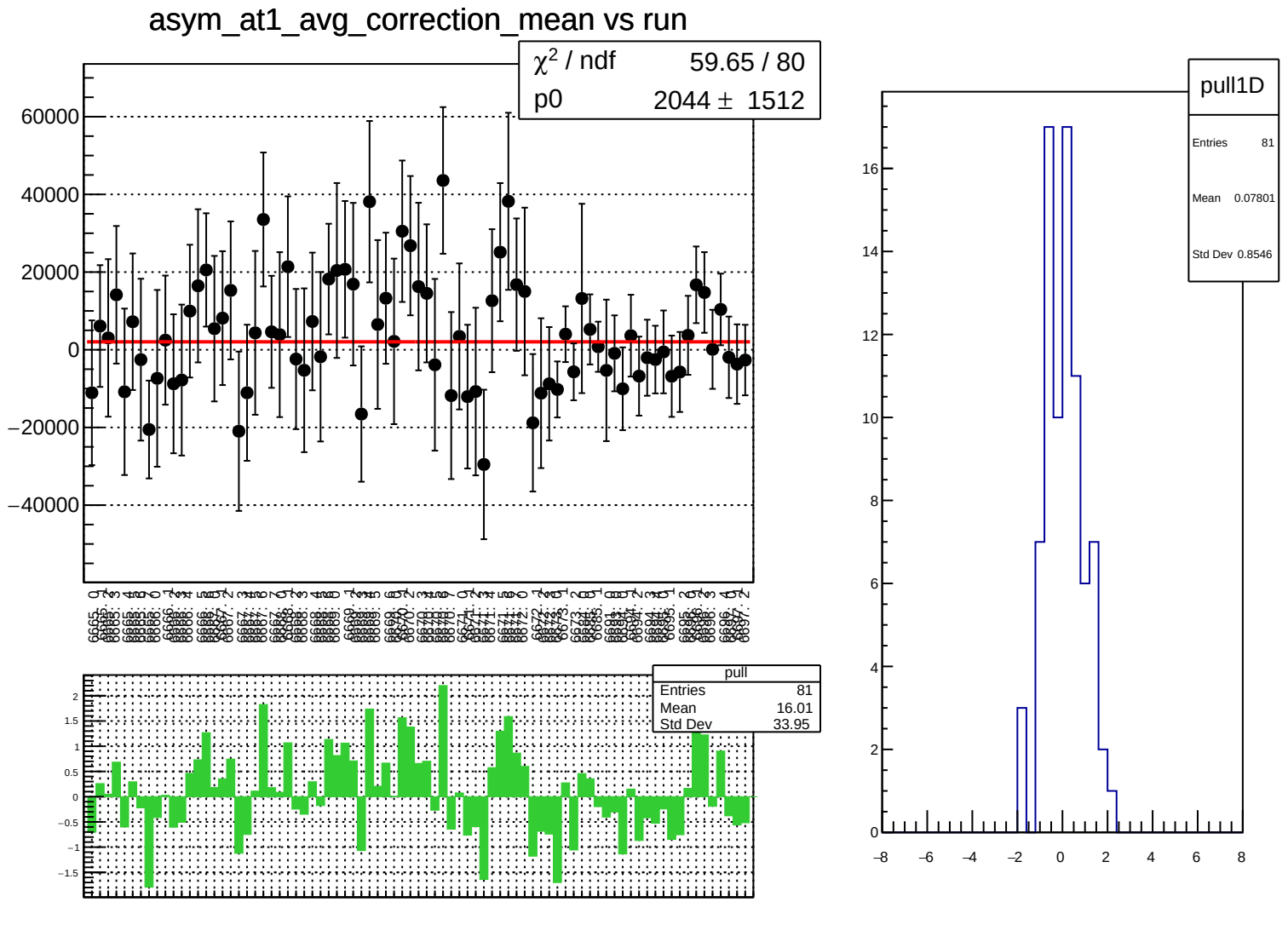

pull1D
Entries 81
Mean 0.02054
Std Dev 0.8904


asym_usr_rms vs run
χ² / ndf 6083 / 80
p0 2026 ± 1.636
2400
2300
2200
2100
2000
1900
1800
1700

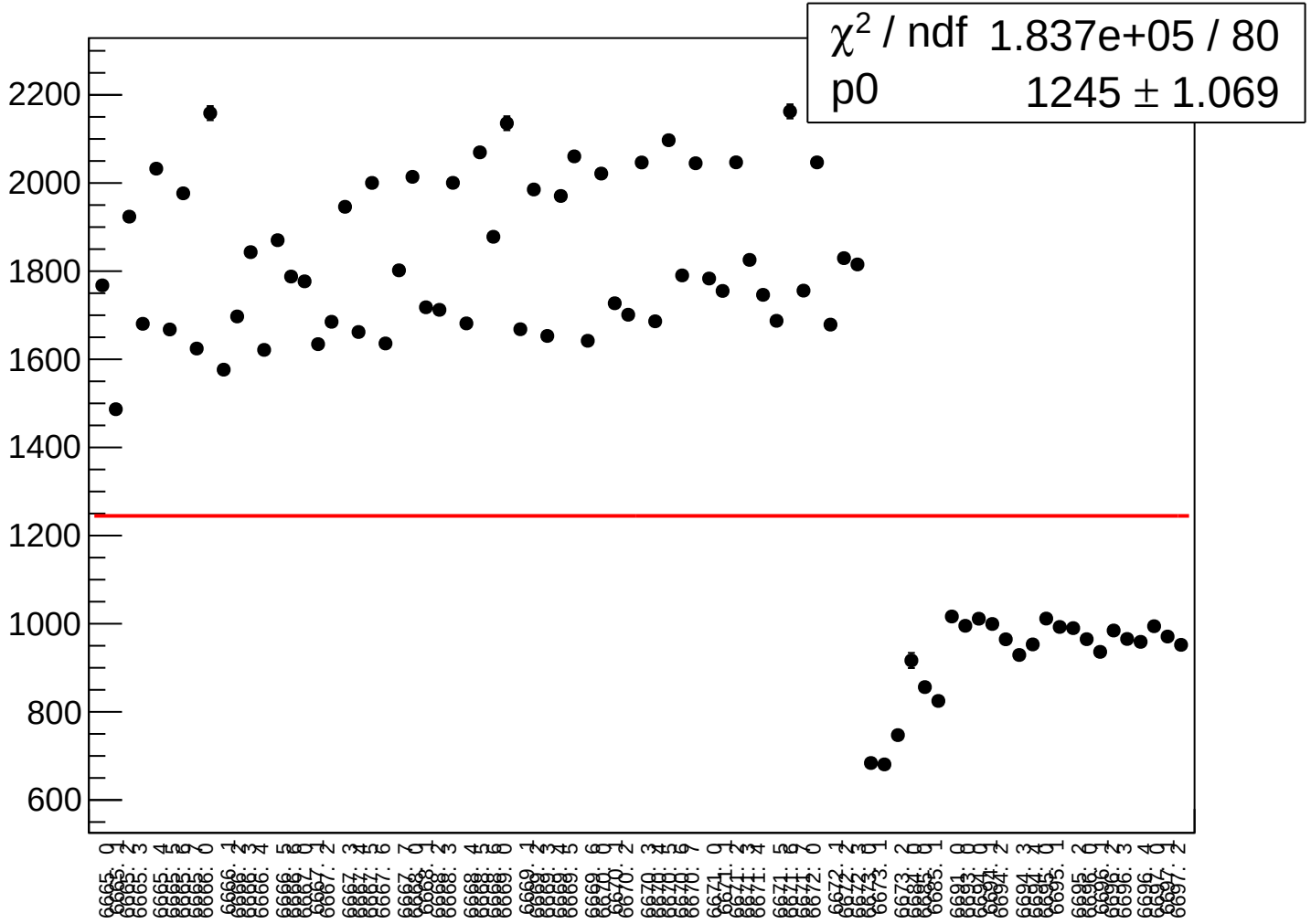

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 57.49 / 80
p0 3960 ± 2175
pull
Entries 81
Mean 294.4
Std Dev 251.9

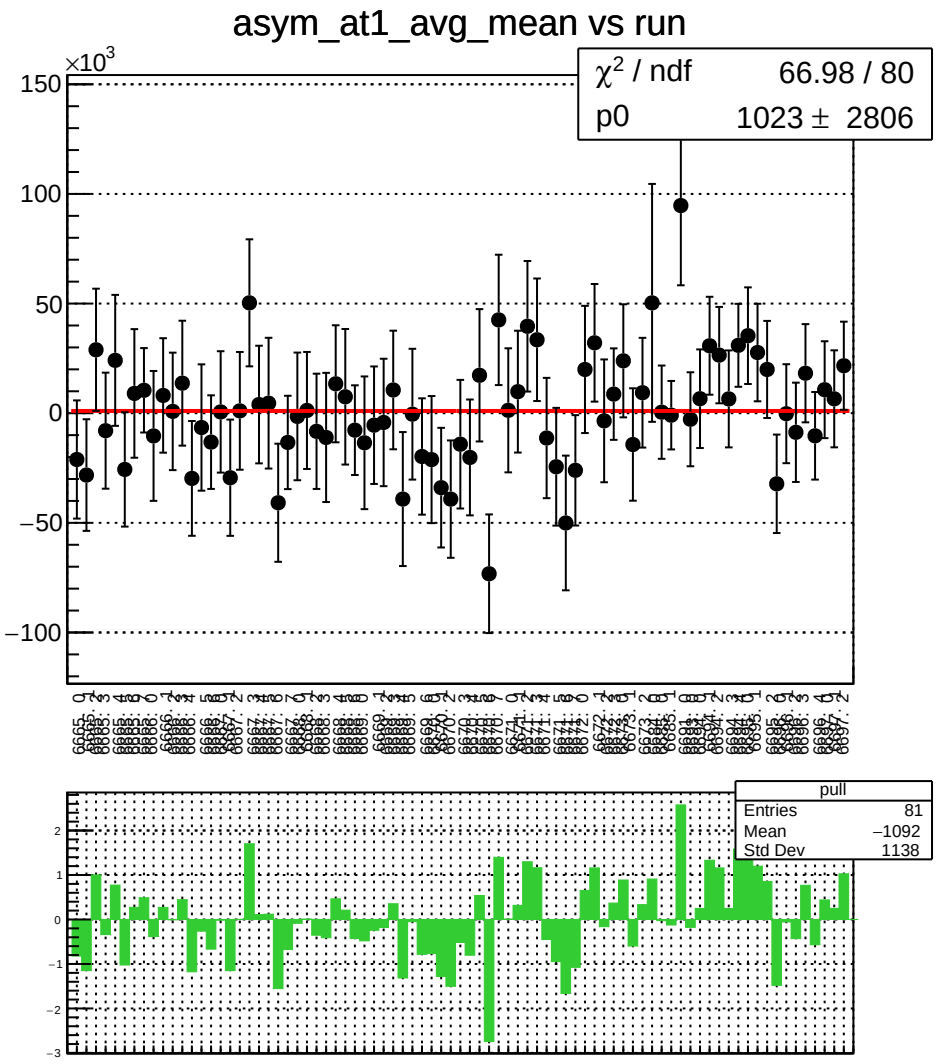

pull1D
Entries 81
Mean 0.02259
Std Dev 0.8421

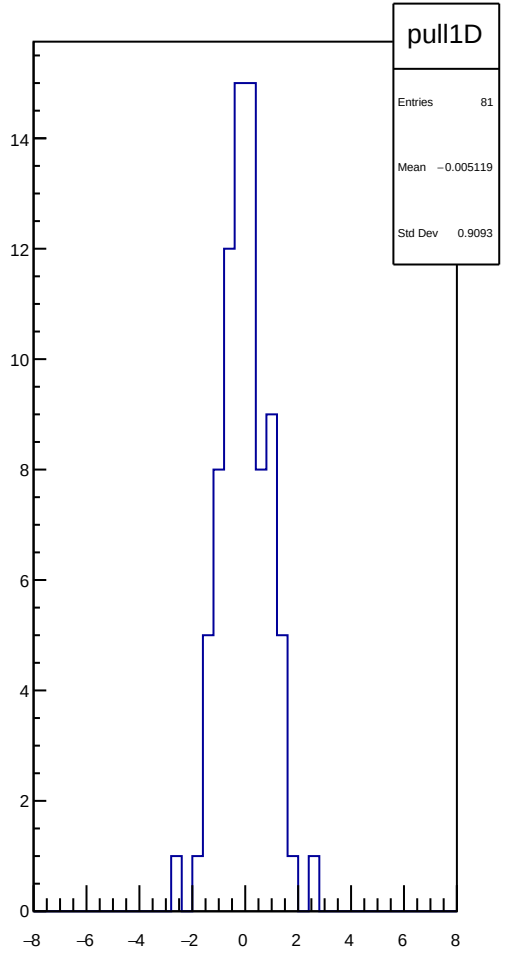

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1109 / 80
p0 1908 ± 1.538
2150
2100
2050
2000
1950
1900
1850
1800

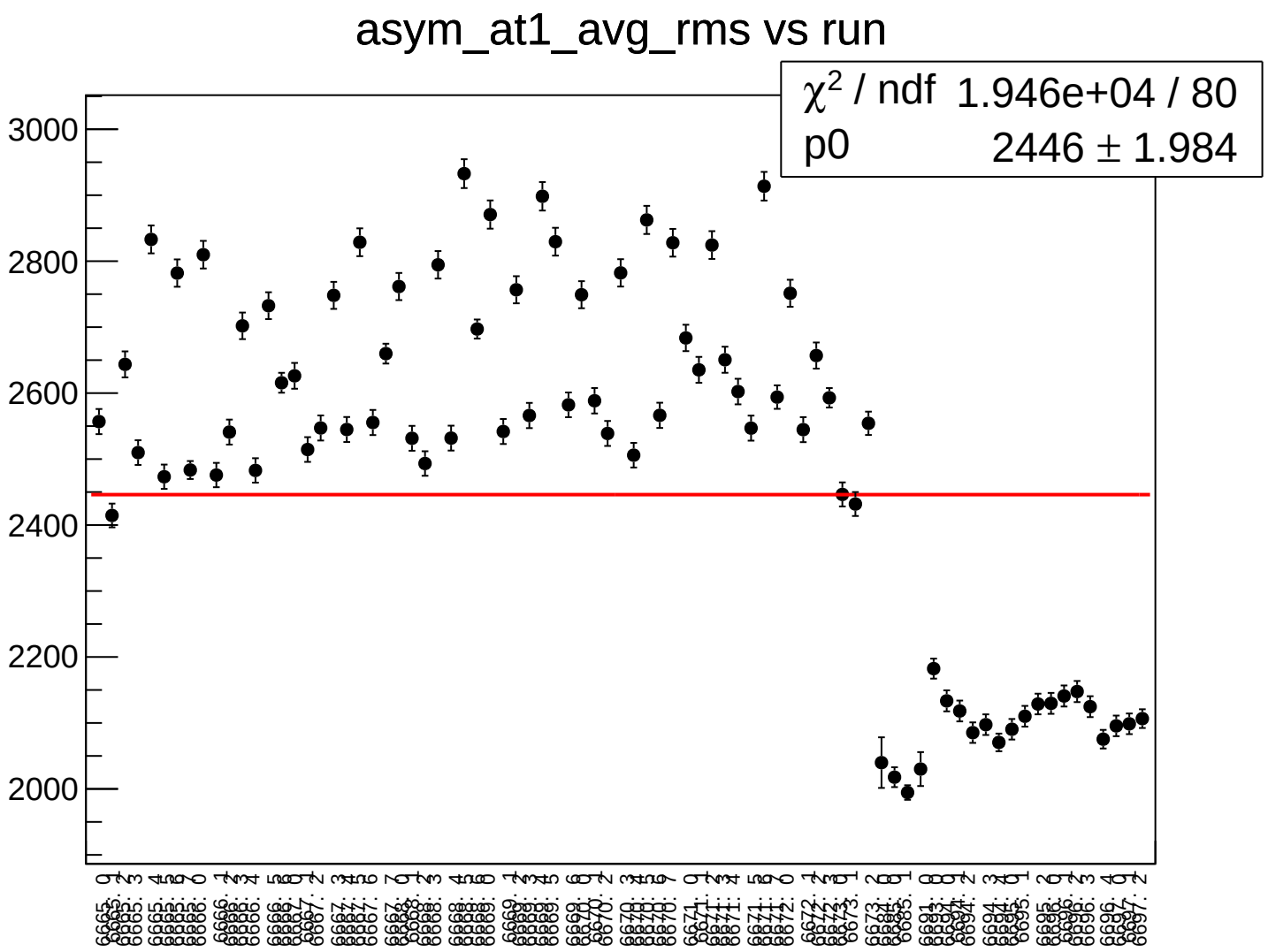

asym_at1_avg_correction_mean vs run
χ² / ndf 59.65 / 80
p0 2044 ± 1512
pull
Entries 81
Mean 16.01
Std Dev 33.95
pull1D
Entries 81
Mean 0.07801
Std Dev 0.8546

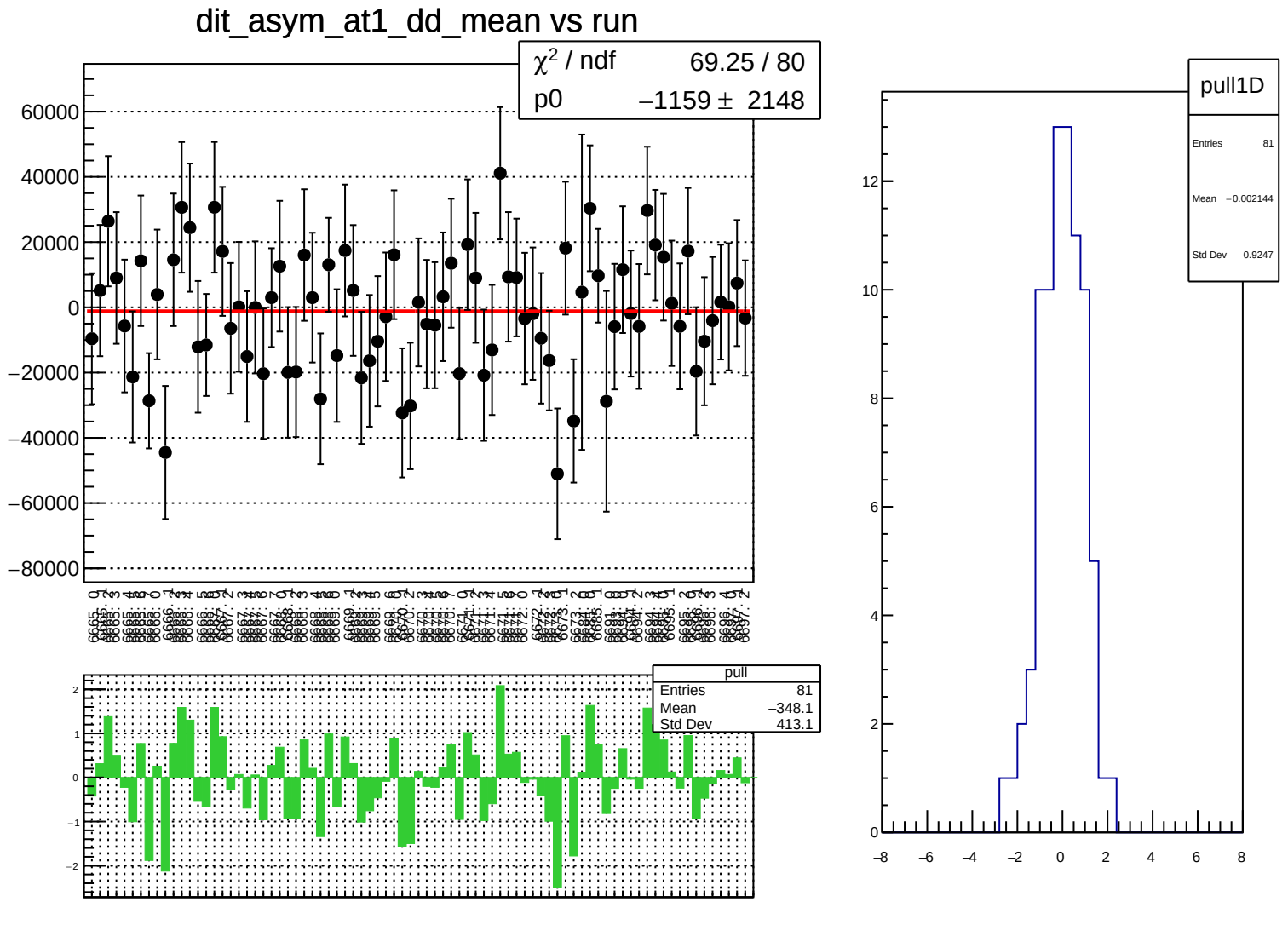
asym_at1_avg_correction_rms vs run

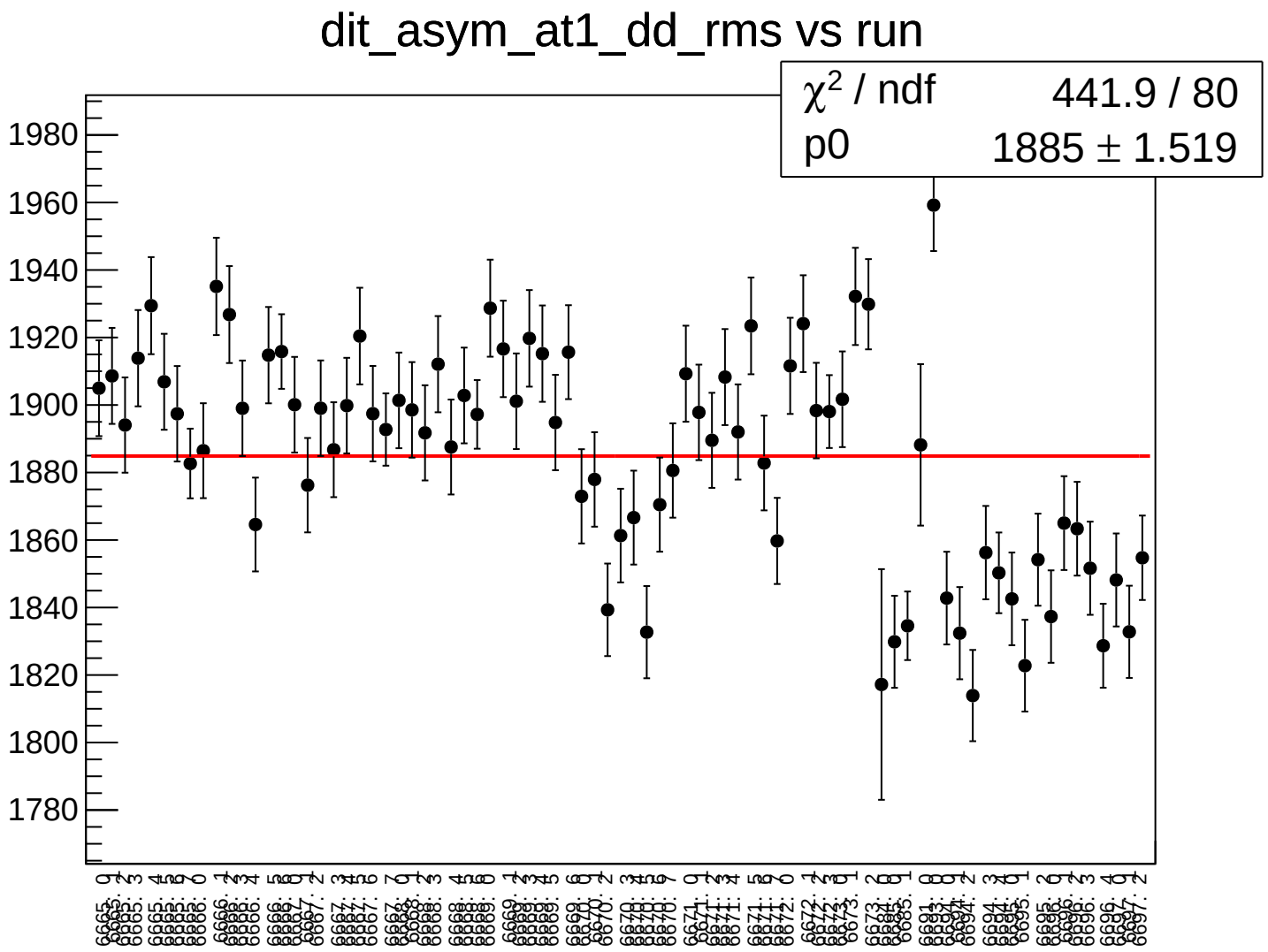


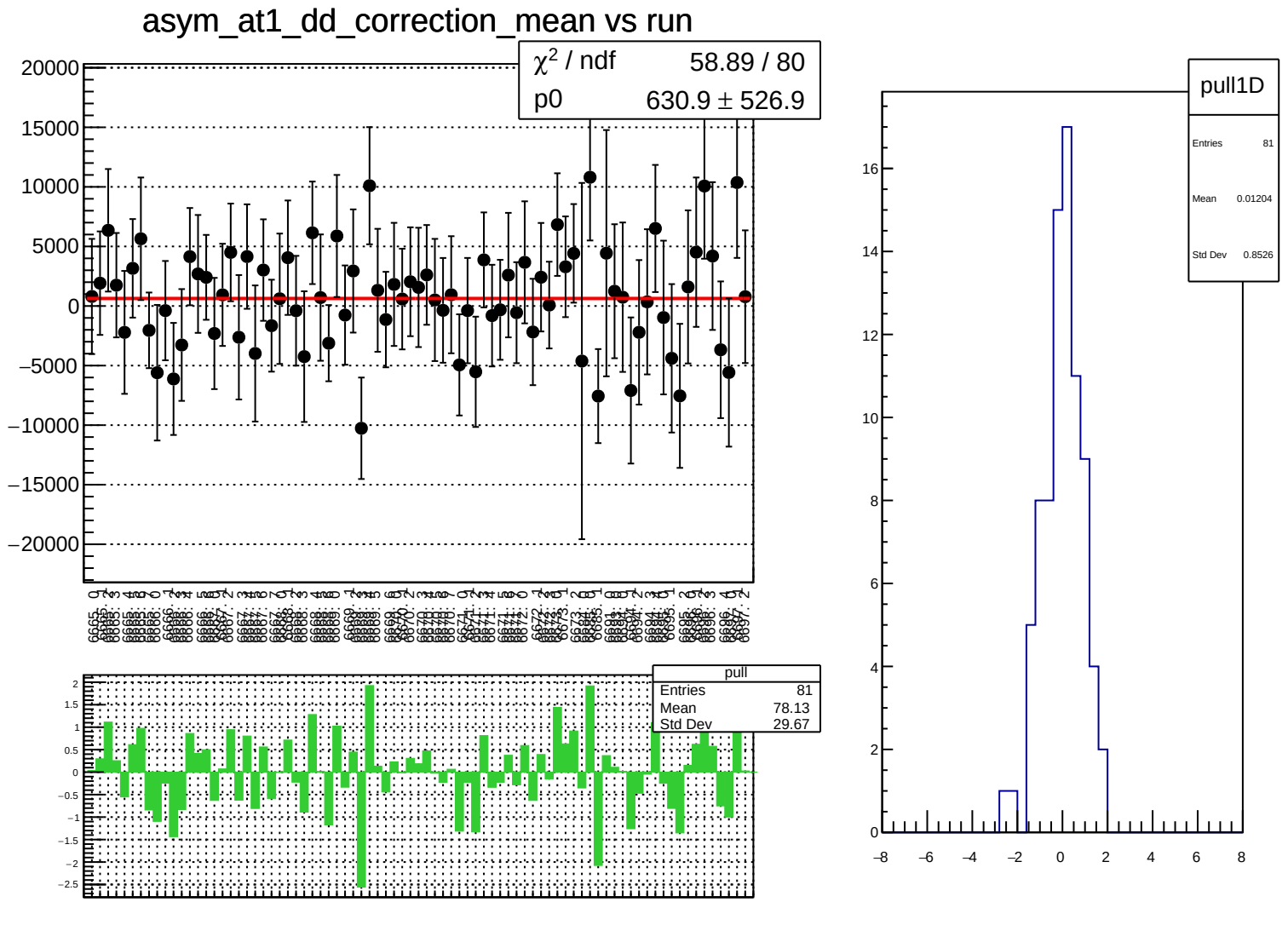

asym_at1_avg_mean vs run
×10^3
χ² / ndf 66.98 / 80
p0 1023 ± 2806
pull
Entries 81
Mean −1092
Std Dev 1138


pull1D
Entries 81
Mean −0.005119
Std Dev 0.9093

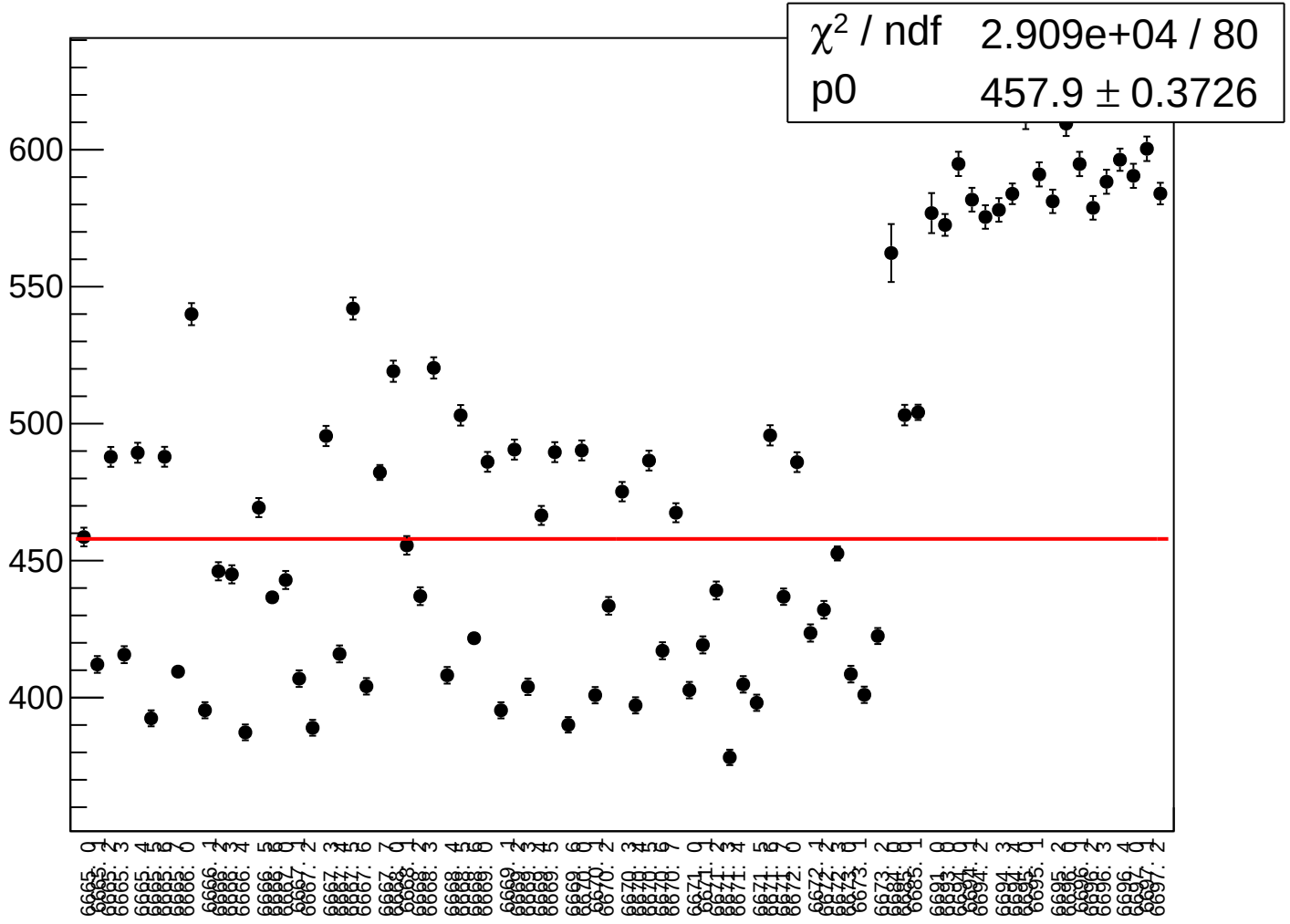

asym_at1_avg_rms vs run
χ² / ndf 1.946e+04 / 80
p0 2446 ± 1.984
3000
2800
2600
2400
2200
2000

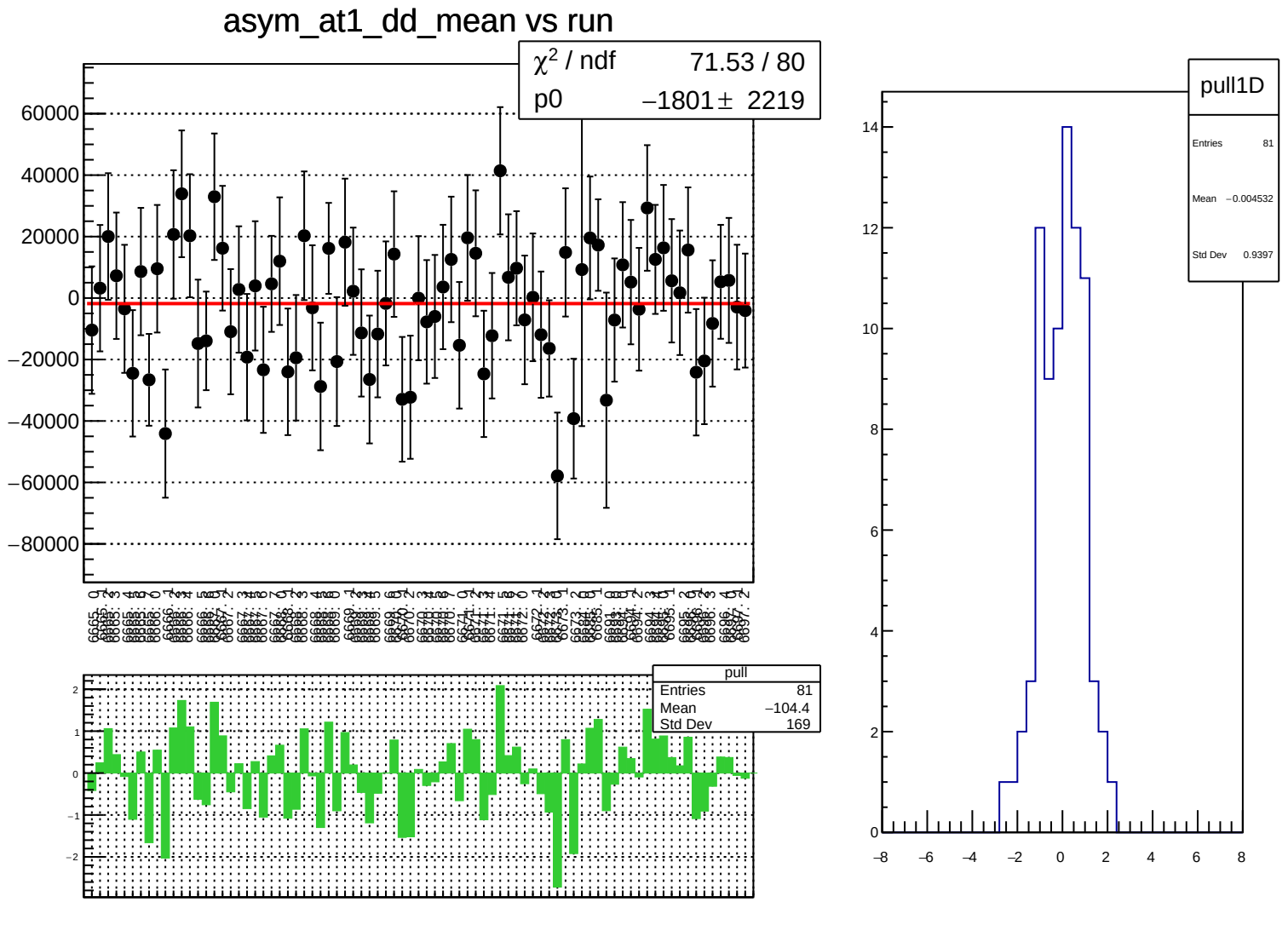

dit_asym_at1_dd_mean vs run
χ² / ndf 69.25 / 80
p0 −1159 ± 2148
pull
Entries 81
Mean −348.1
Std Dev 413.1
pull1D
Entries 81
Mean −0.002144
Std Dev 0.9247

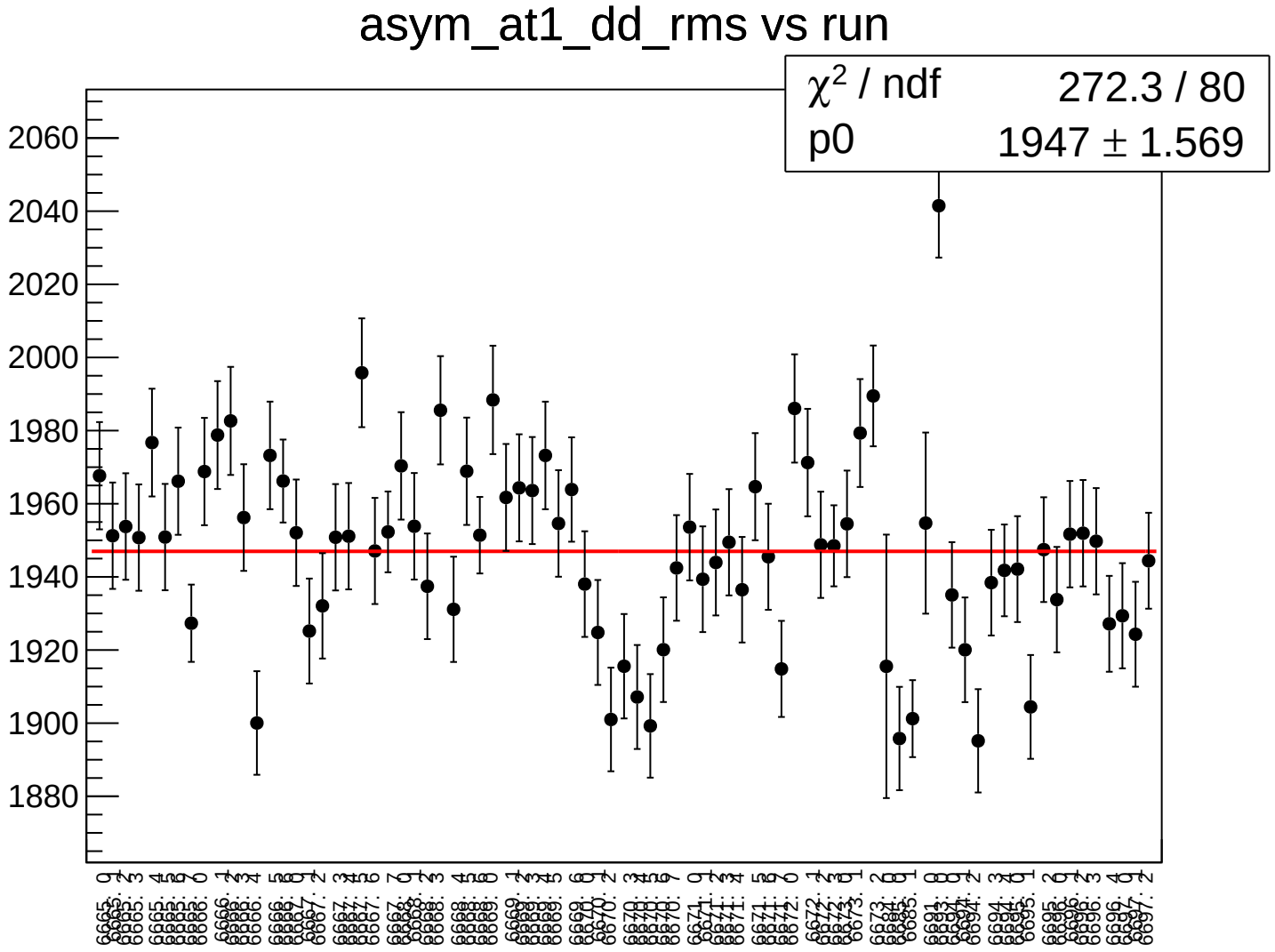

dit_asym_at1_dd_rms vs run
χ² / ndf 441.9 / 80
p0 1885 ± 1.519
1980
1960
1940
1920
1900
1880
1860
1840
1820
1800
1780

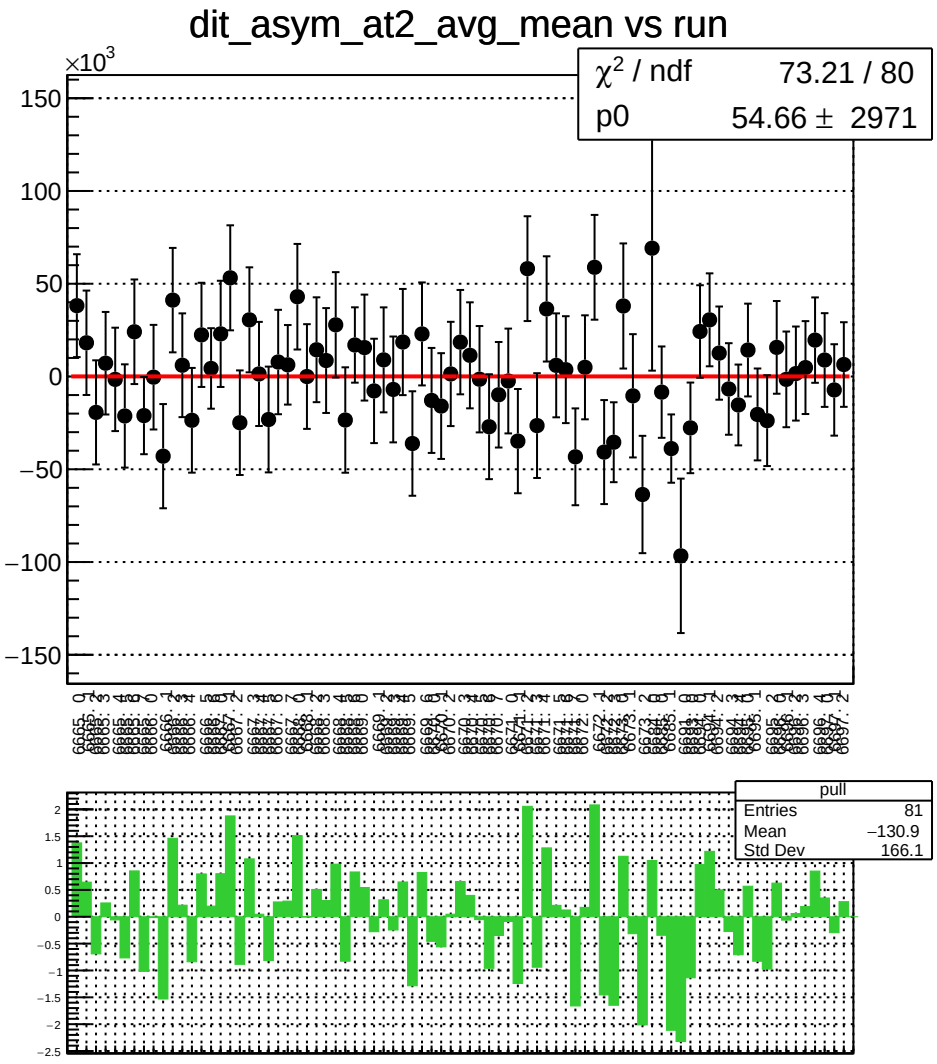

asym_at1_dd_correction_mean vs run
χ² / ndf 58.89 / 80
p0 630.9 ± 526.9
pull
Entries 81
Mean 78.13
Std Dev 29.67
pull1D
Entries 81
Mean 0.01204
Std Dev 0.8526

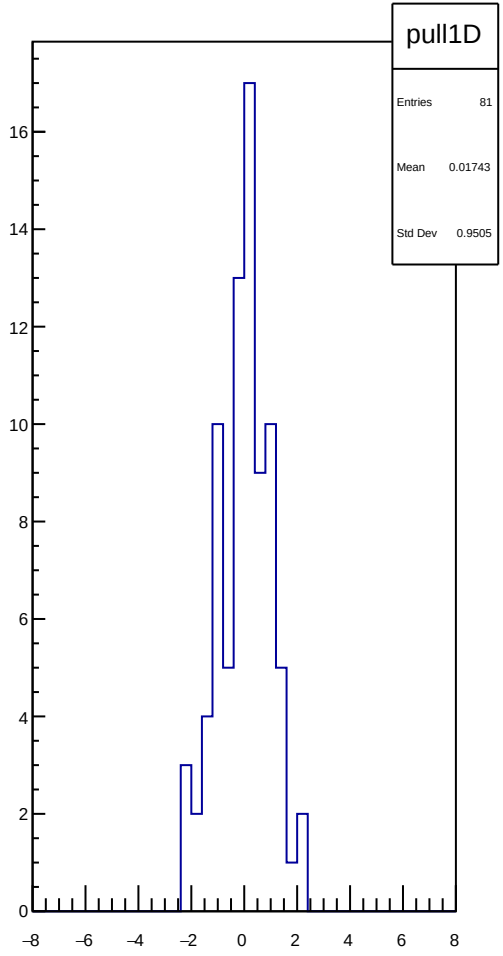
asym_at1_dd_correction_rms vs run

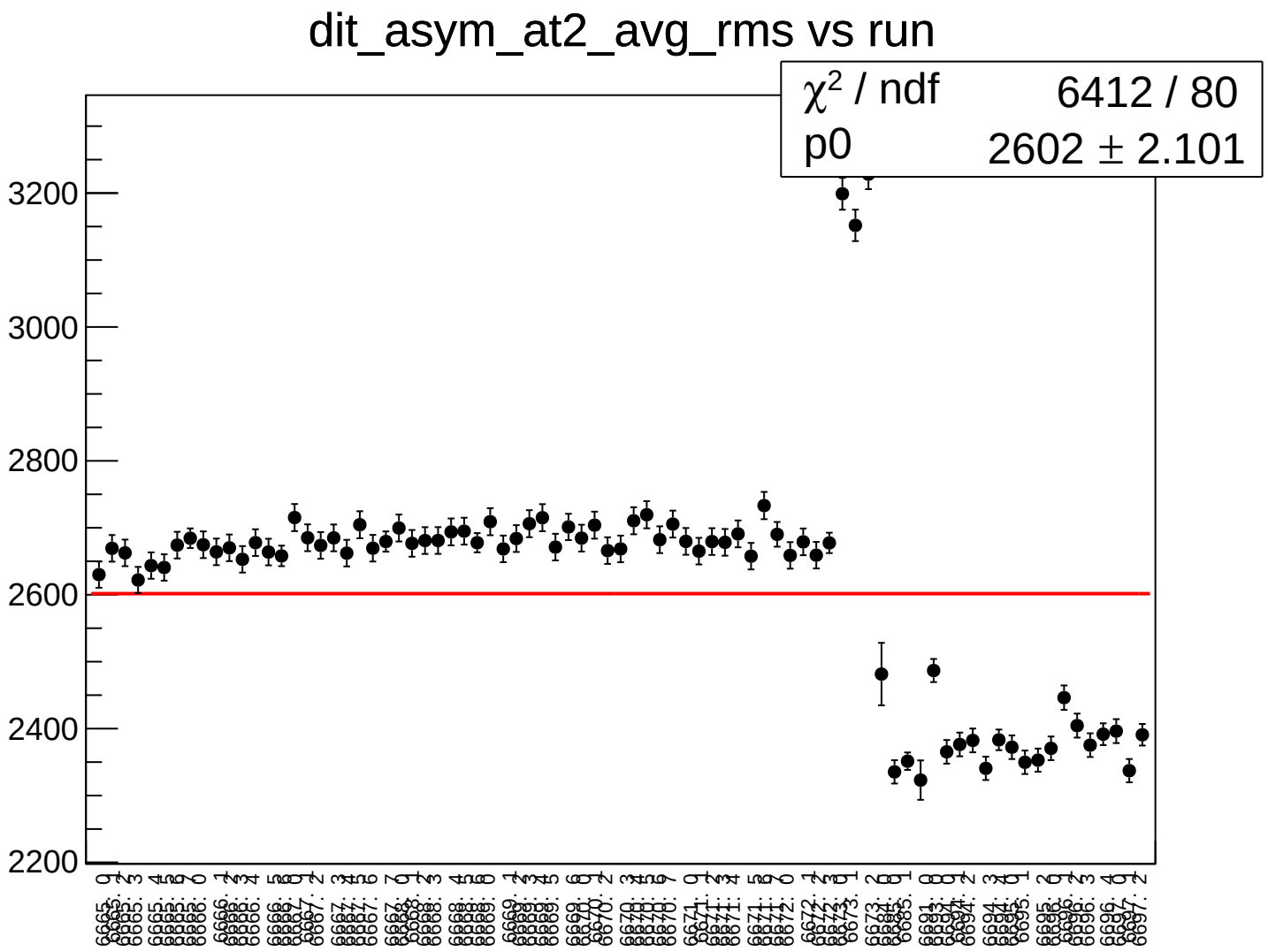


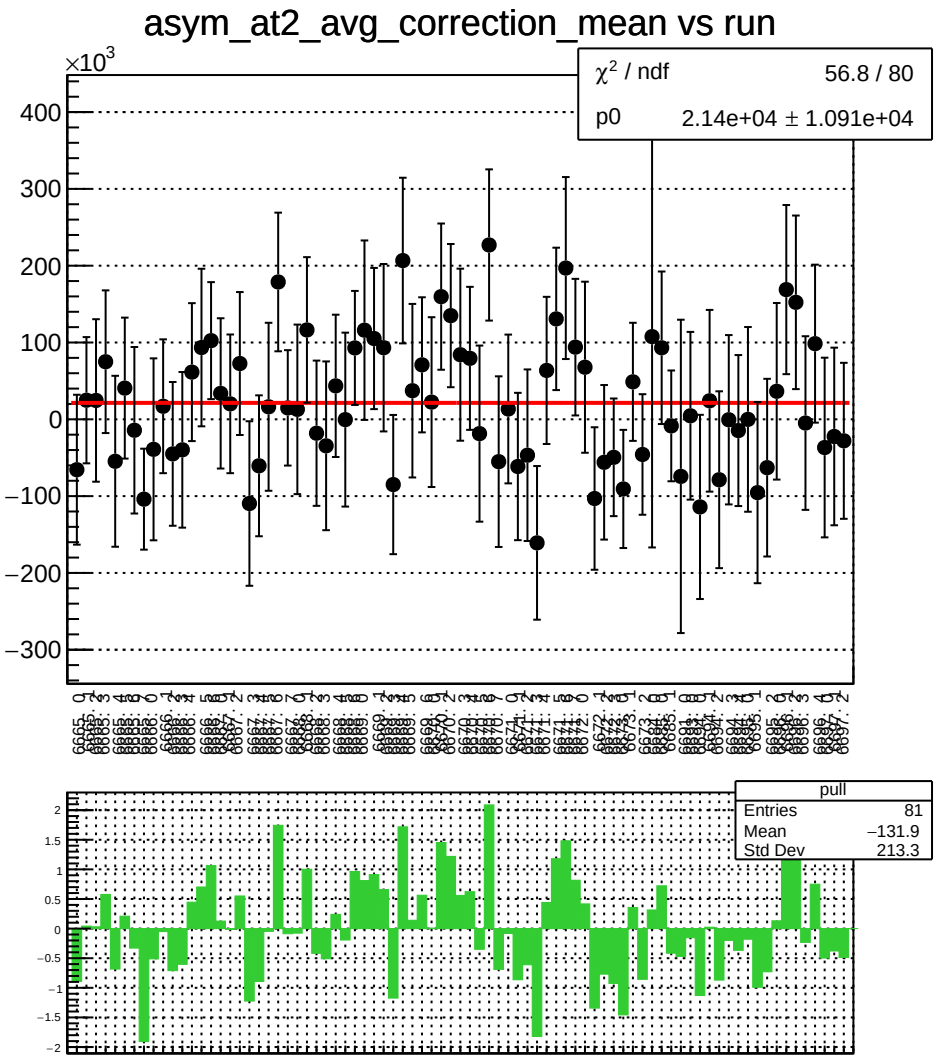

asym_at1_dd_mean vs run
χ² / ndf 71.53 / 80
p0 −1801 ± 2219
pull
Entries 81
Mean −104.4
Std Dev 169
pull1D
Entries 81
Mean −0.004532
Std Dev 0.9397

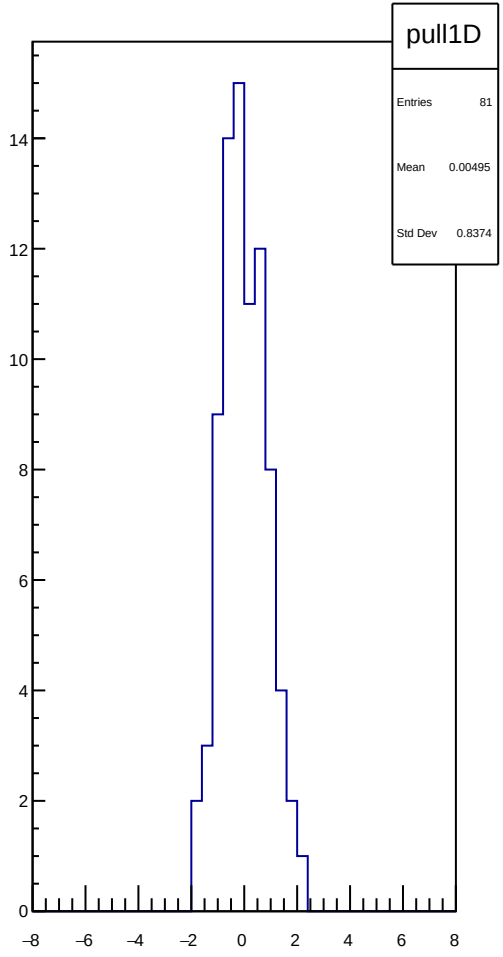

asym_at1_dd_rms vs run
χ² / ndf 272.3 / 80
p0 1947 ± 1.569
2060
2040
2020
2000
1980
1960
1940
1920
1900
1880


dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 73.21 / 80
p0 54.66 ± 2971
pull
Entries 81
Mean −130.9
Std Dev 166.1

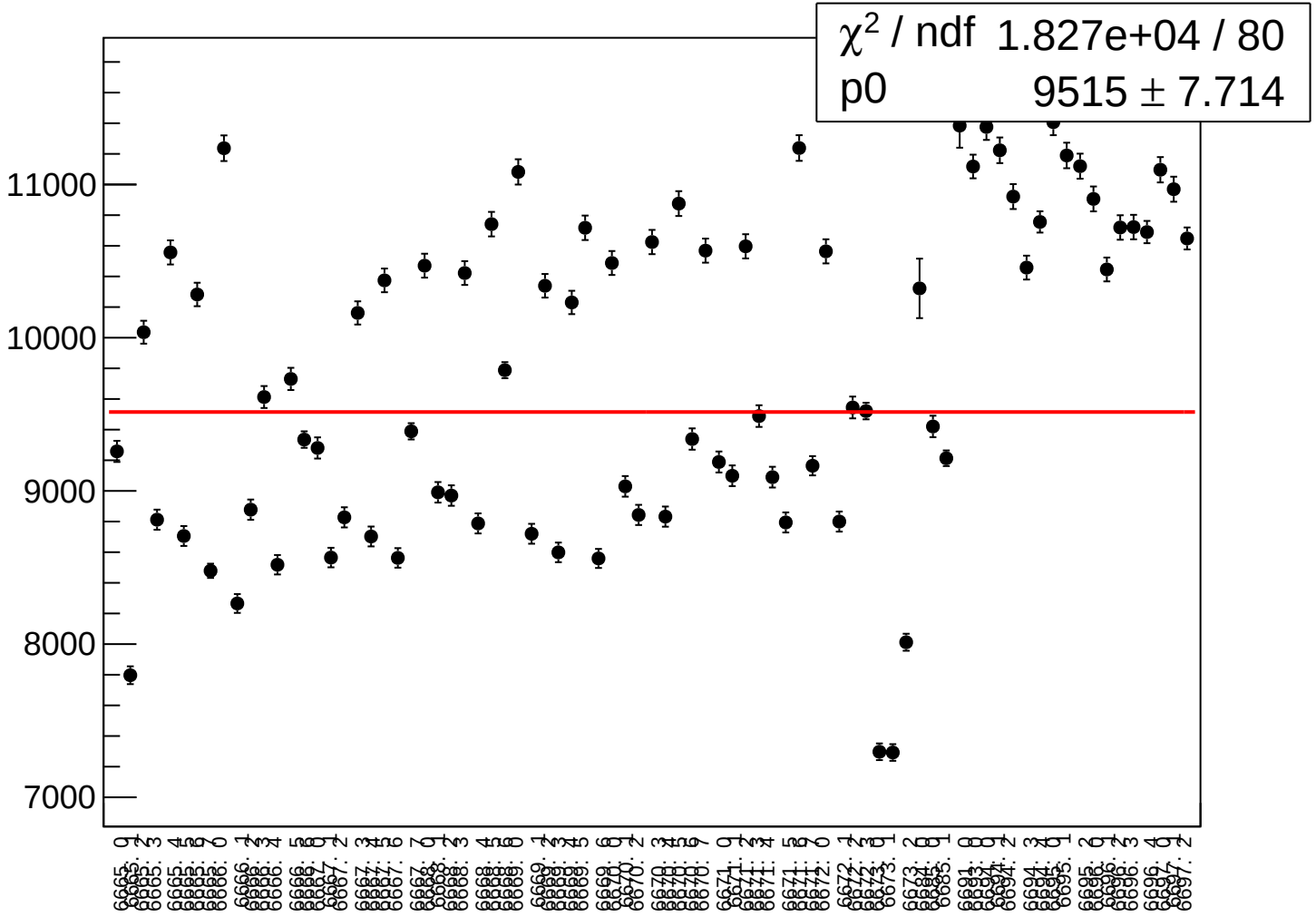

pull1D
Entries 81
Mean 0.01743
Std Dev 0.9505

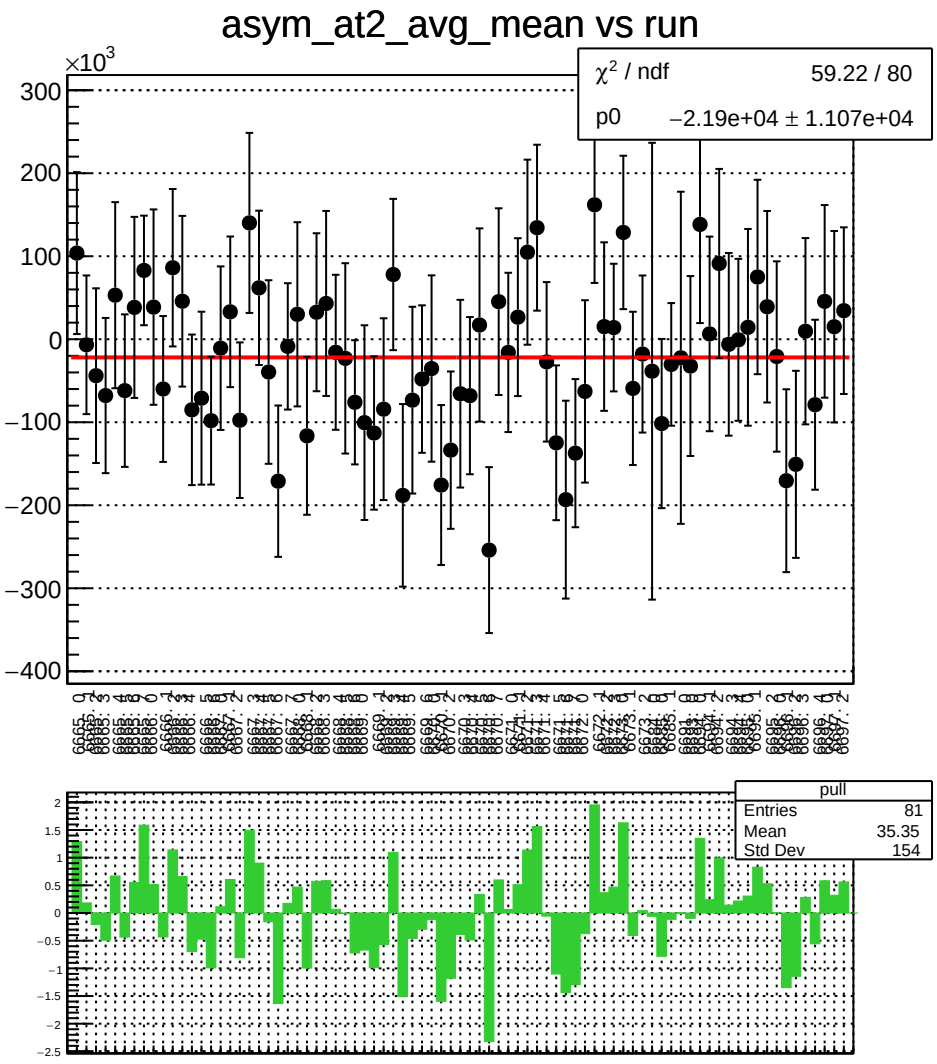

dit_asym_at2_avg_rms vs run
χ² / ndf 6412 / 80
p0 2602 ± 2.101
3200
3000
2800
2600
2400
2200

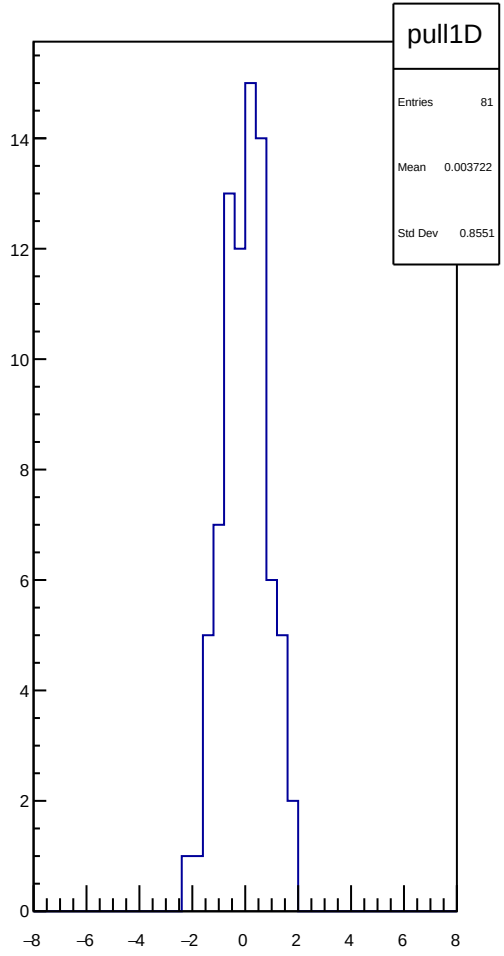

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 56.8 / 80
p0 2.14e+04 ± 1.091e+04
pull
Entries 81
Mean −131.9
Std Dev 213.3

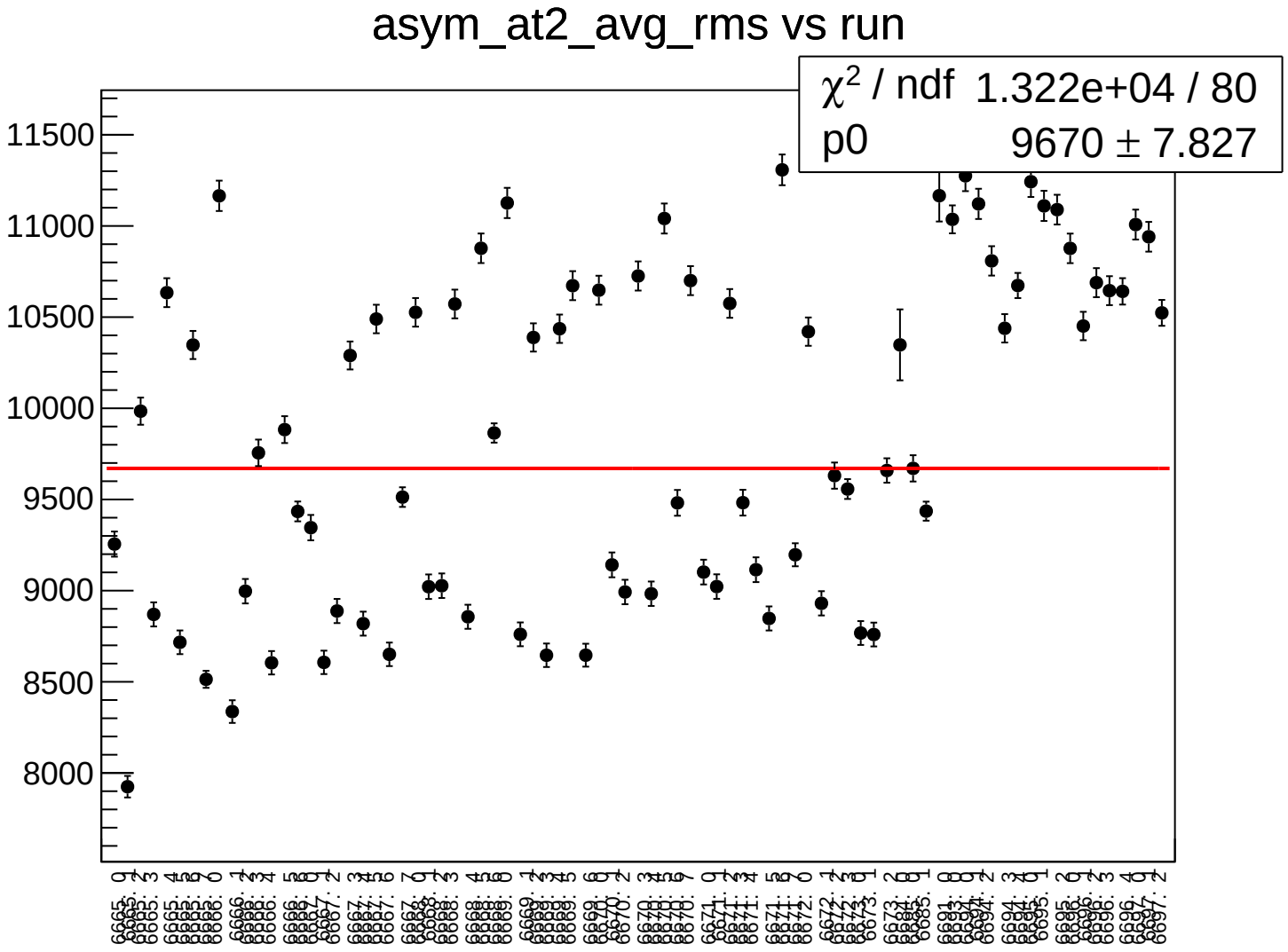

pull1D
Entries 81
Mean 0.00495
Std Dev 0.8374

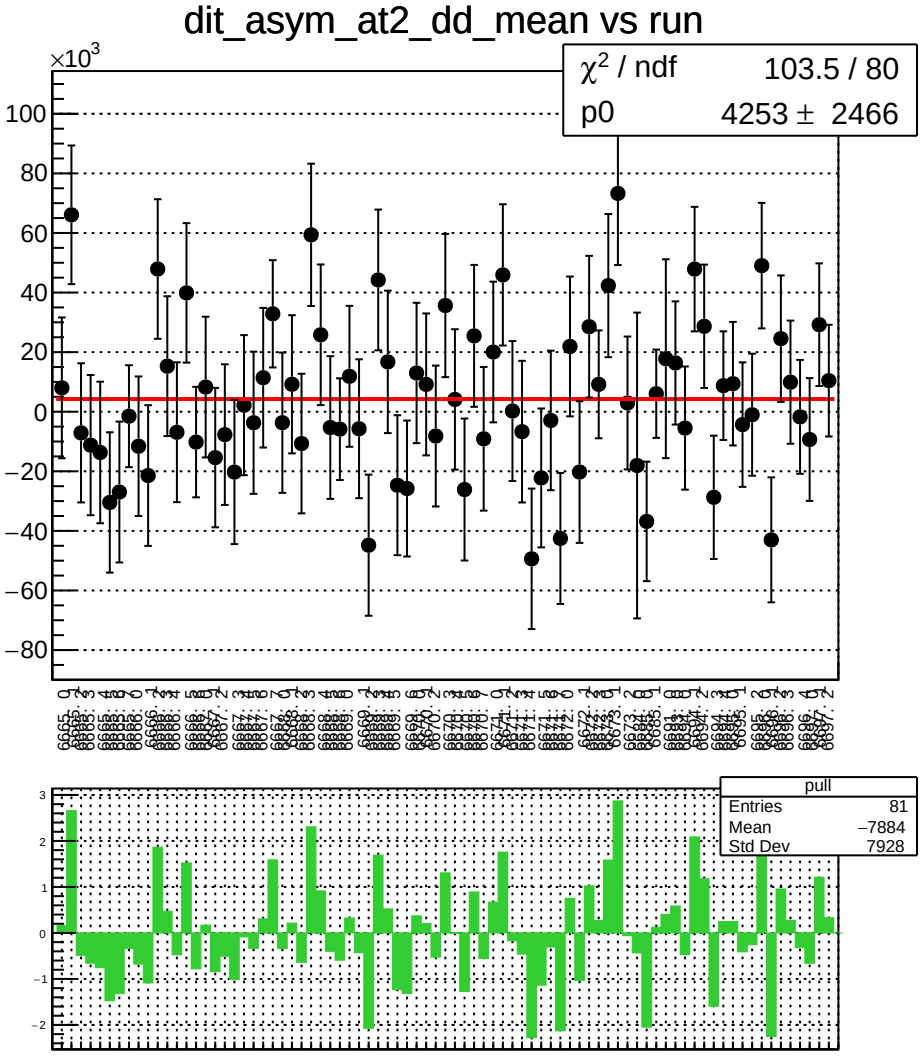
asym_at2_avg_correction_rms vs run

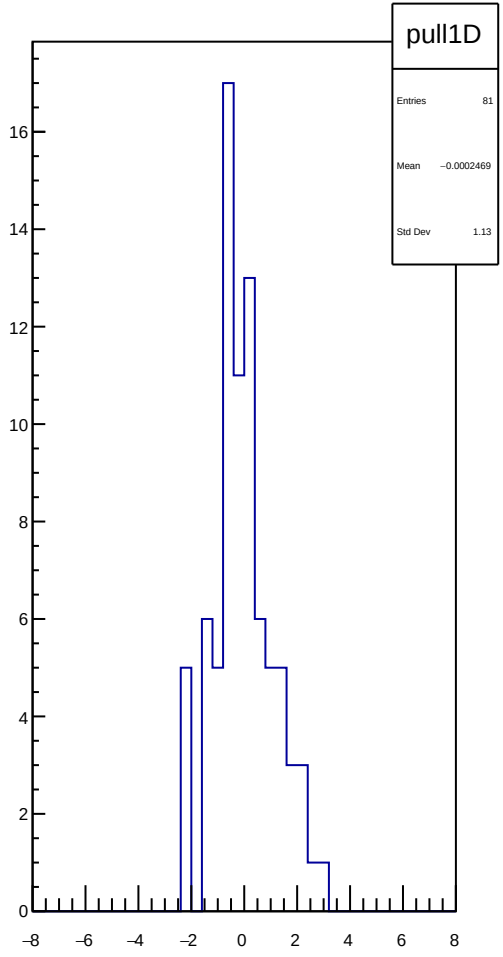


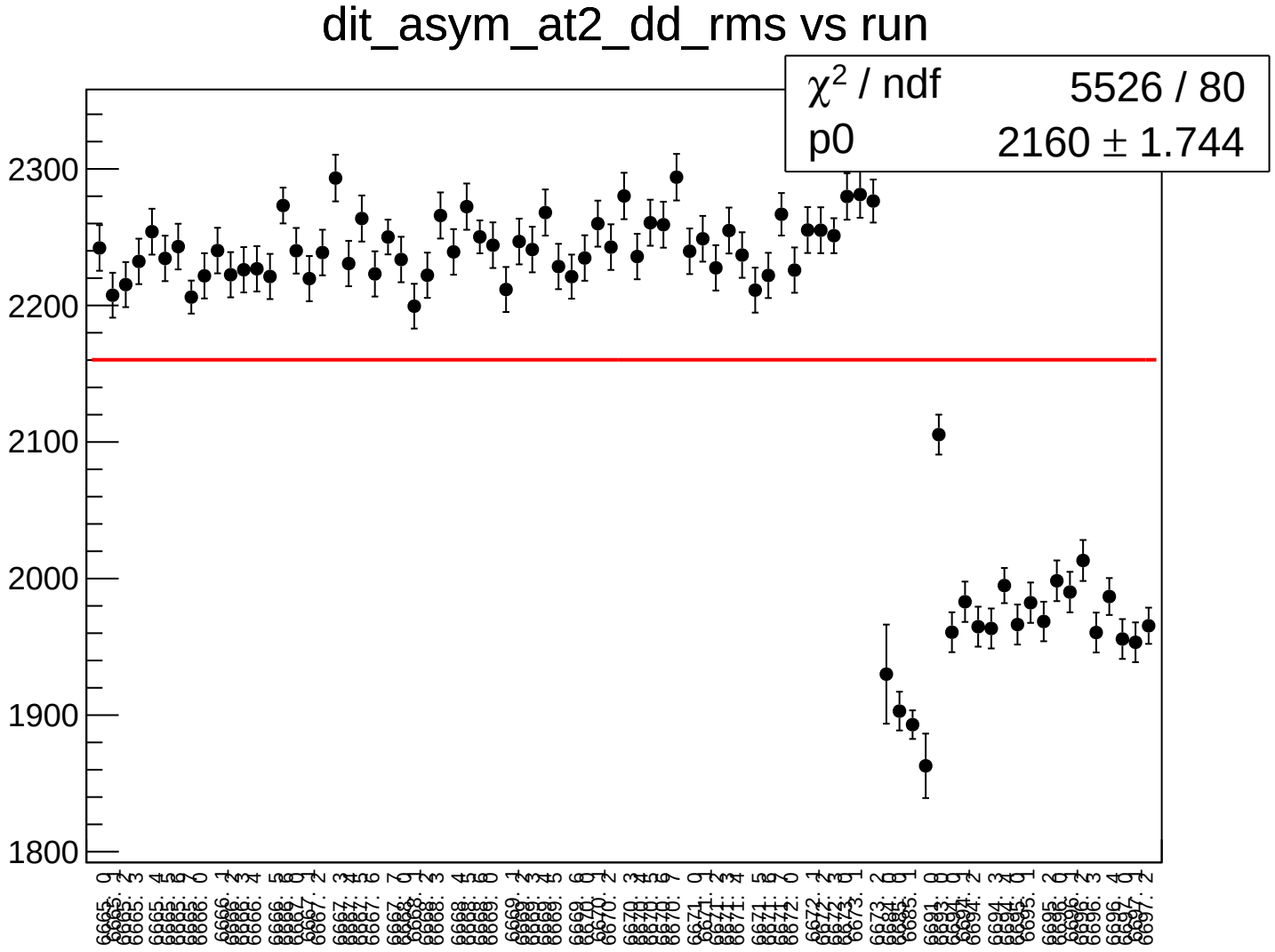

asym_at2_avg_mean vs run
×10^3
χ² / ndf 59.22 / 80
p0 −2.19e+04 ± 1.107e+04
pull
Entries 81
Mean 35.35
Std Dev 154

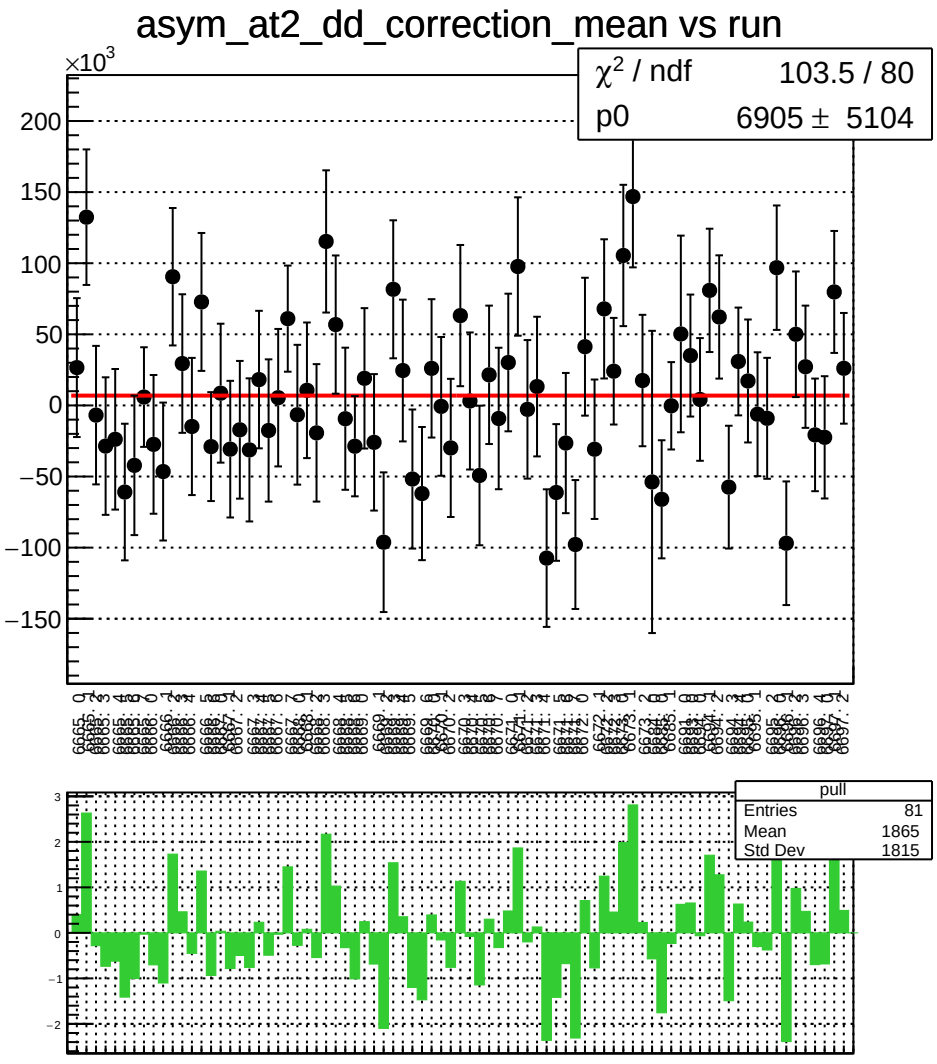

pull1D
Entries 81
Mean 0.003722
Std Dev 0.8551

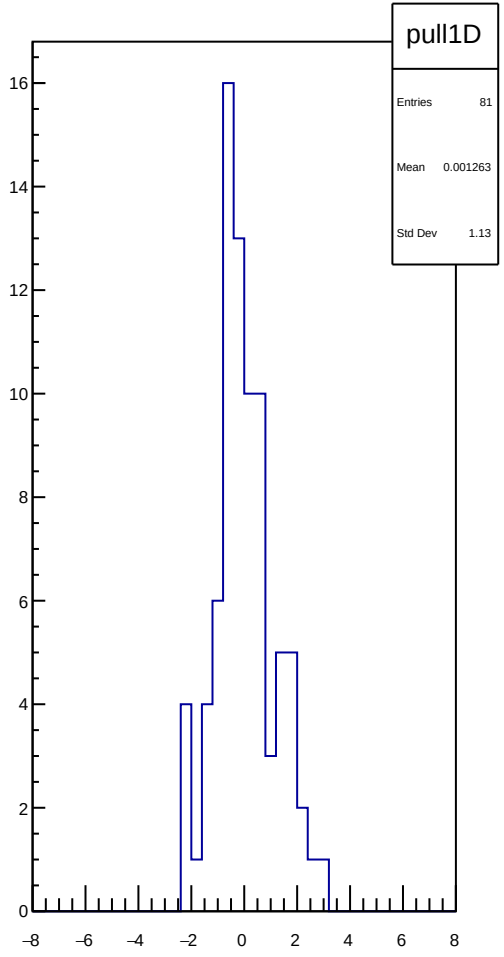

asym_at2_avg_rms vs run
χ² / ndf 1.322e+04 / 80
p0 9670 ± 7.827
11500
11000
10500
10000
9500
9000
8500
8000


dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 103.5 / 80
p0 4253 ± 2466
pull
Entries 81
Mean −7884
Std Dev 7928

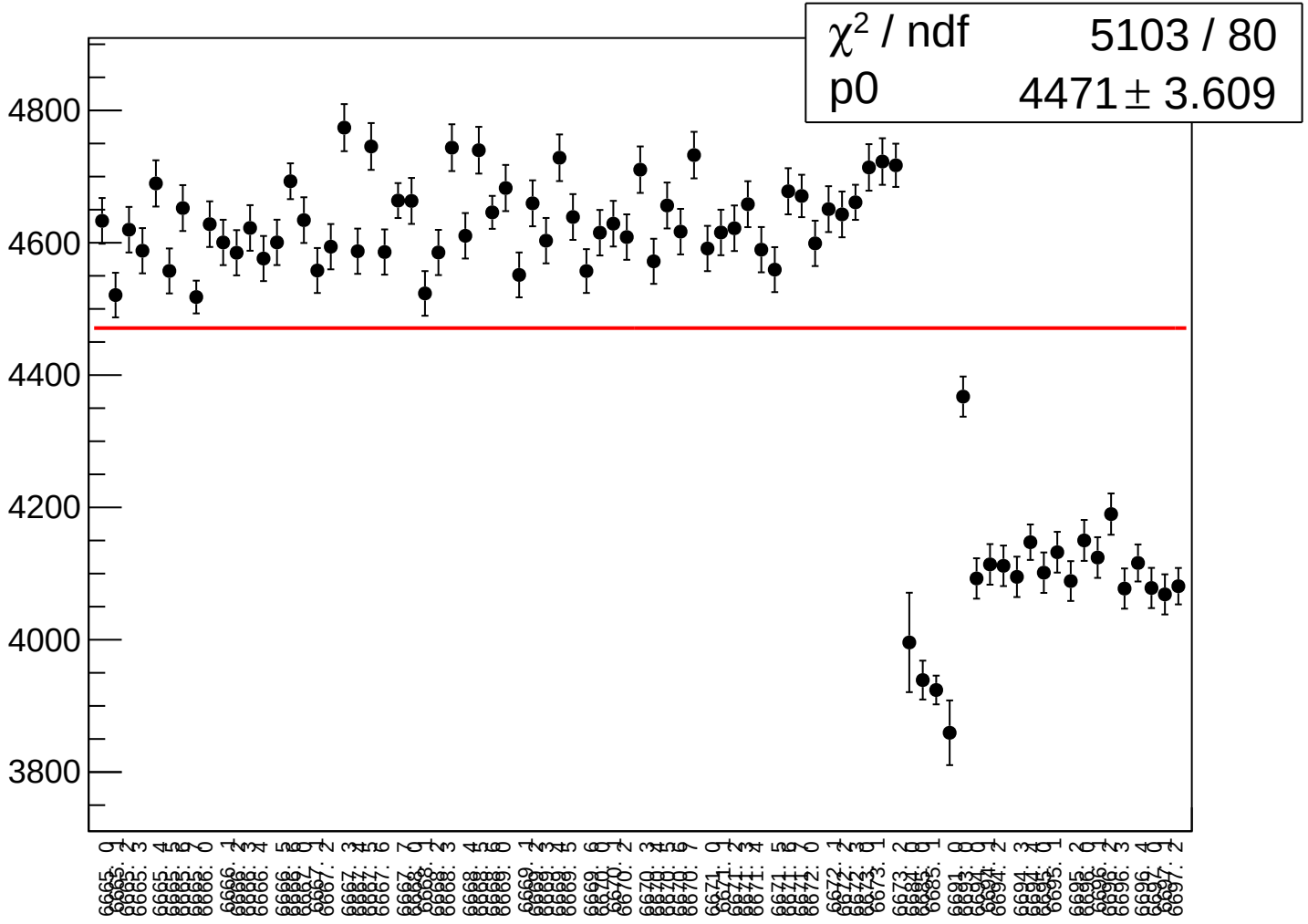

pull1D
Entries 81
Mean −0.0002469
Std Dev 1.13

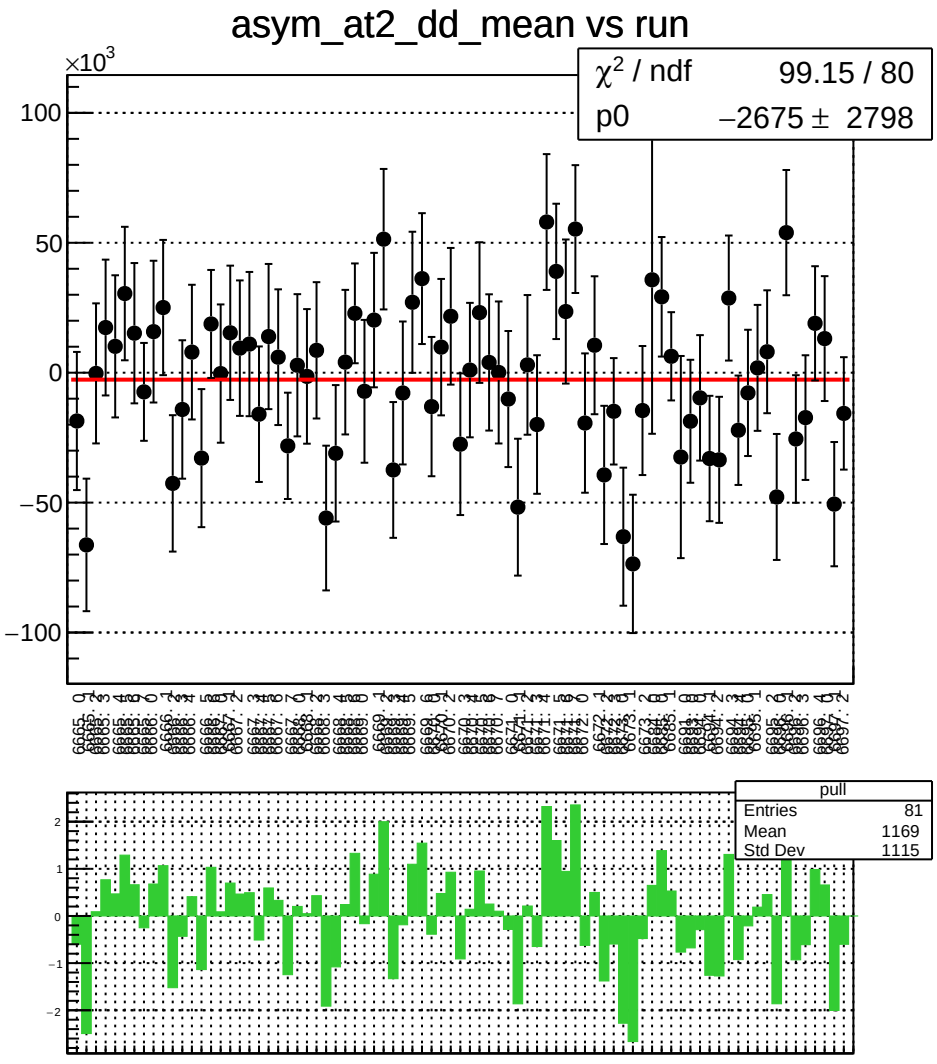

dit_asym_at2_dd_rms vs run
χ² / ndf 5526 / 80
p0 2160 ± 1.744
2300
2200
2100
2000
1900
1800

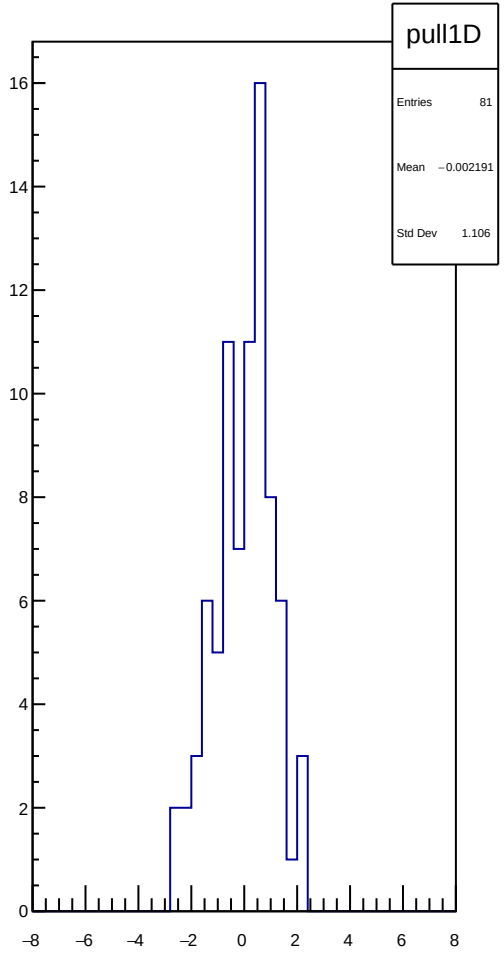

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 103.5 / 80
p0 6905 ± 5104
pull
Entries 81
Mean 1865
Std Dev 1815

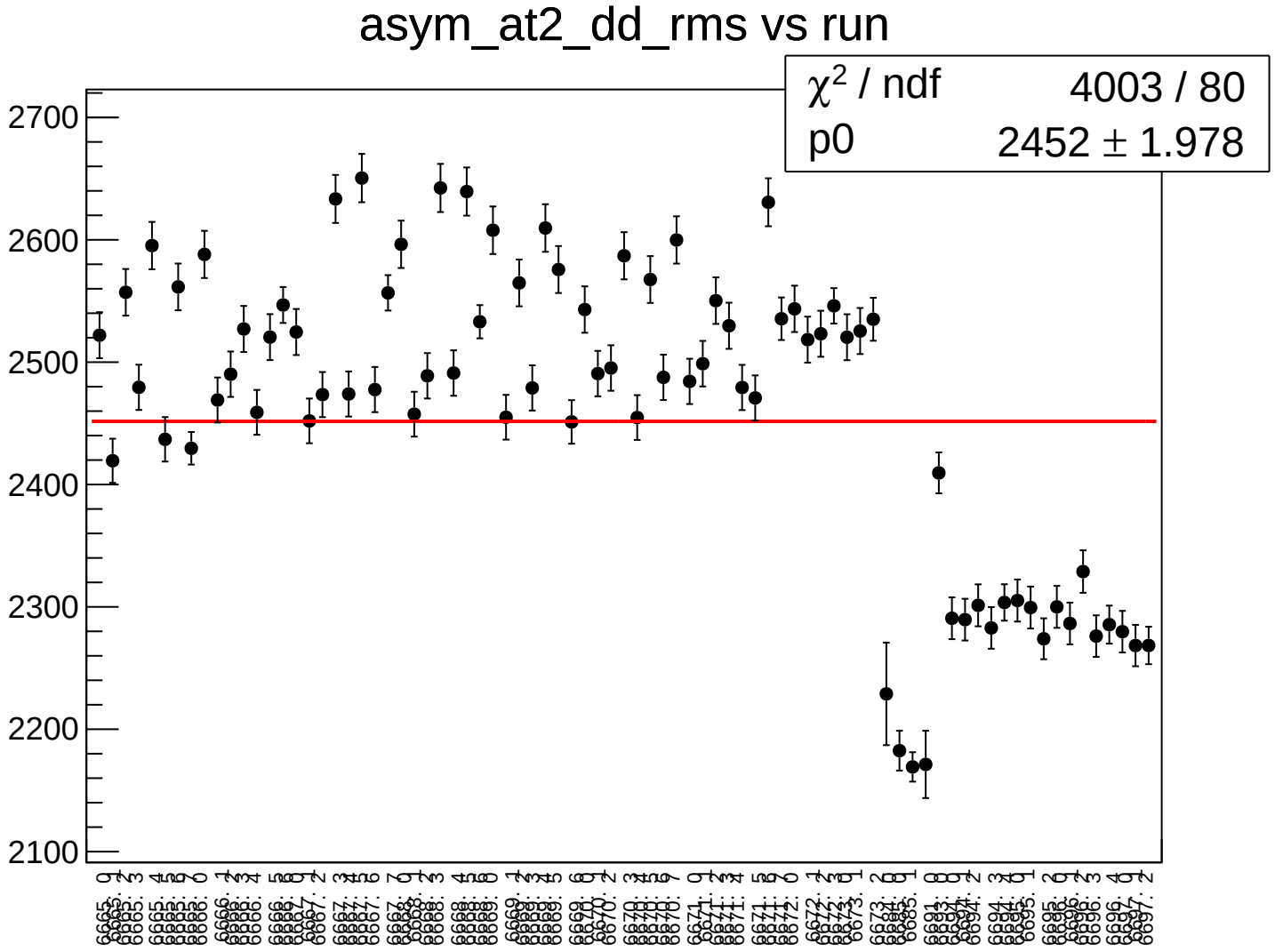

pull1D
Entries 81
Mean 0.001263
Std Dev 1.13

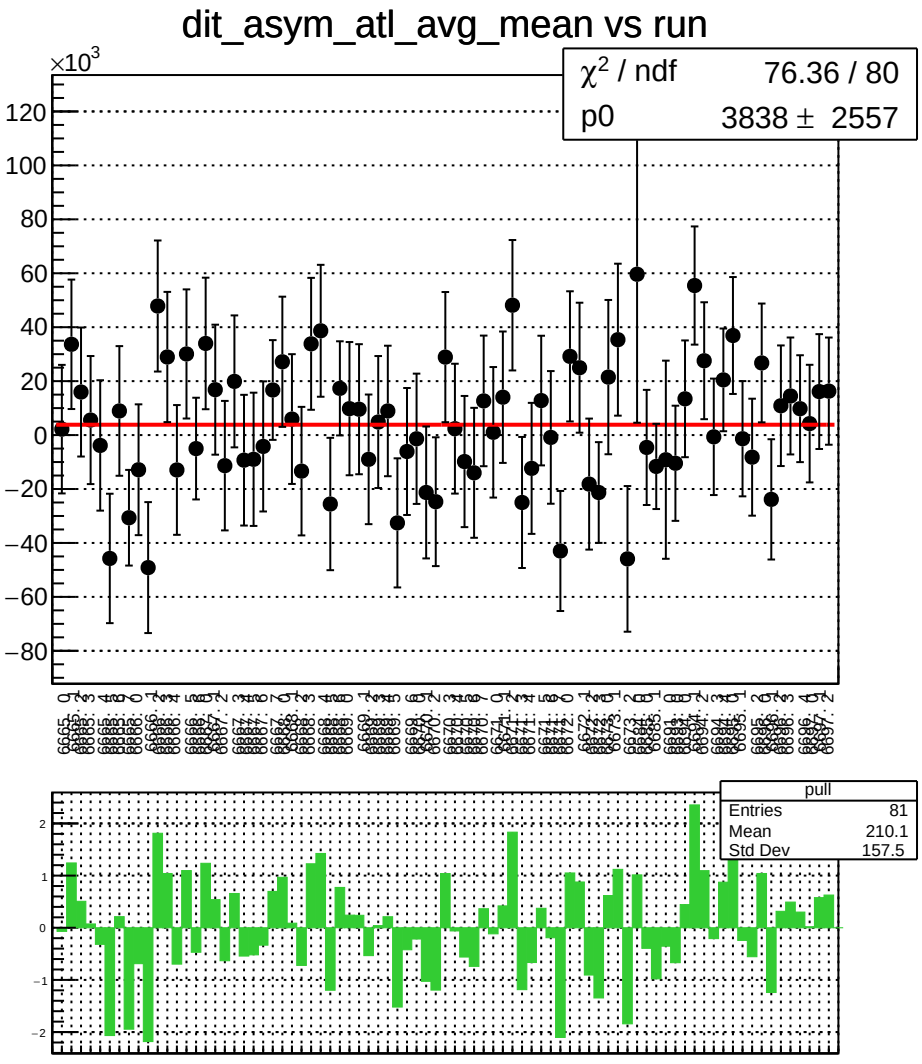
asym_at2_dd_correction_rms vs run

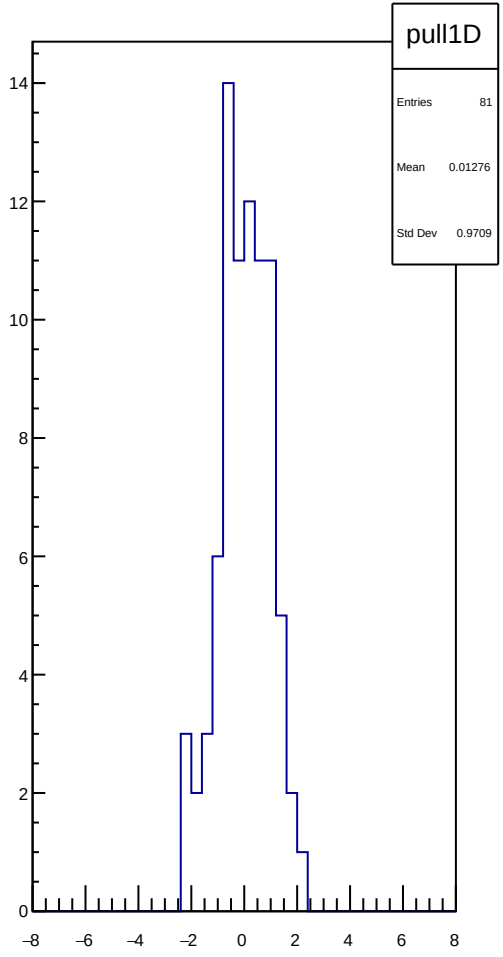


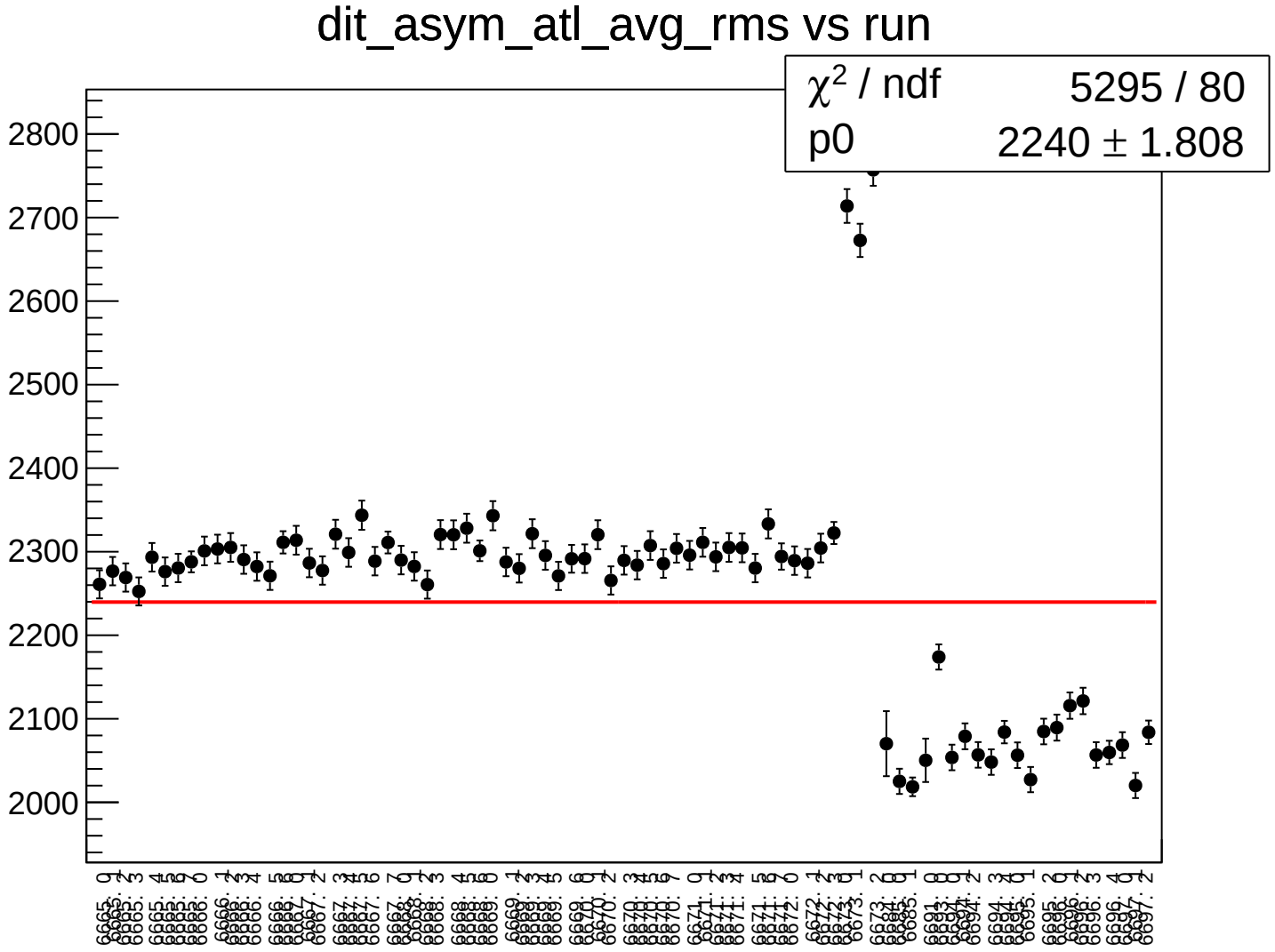

asym_at2_dd_mean vs run
×10^3
χ² / ndf 99.15 / 80
p0 −2675 ± 2798
pull
Entries 81
Mean 1169
Std Dev 1115

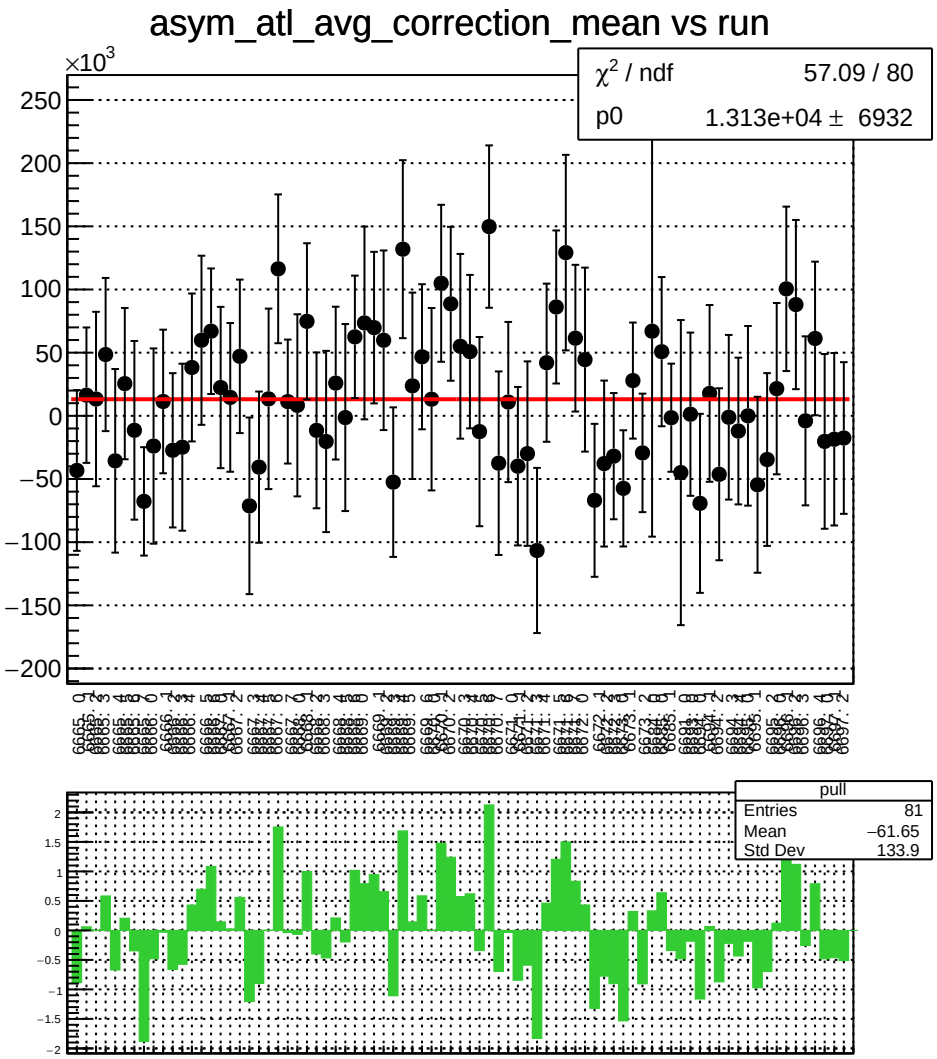

pull1D
Entries 81
Mean −0.002191
Std Dev 1.106

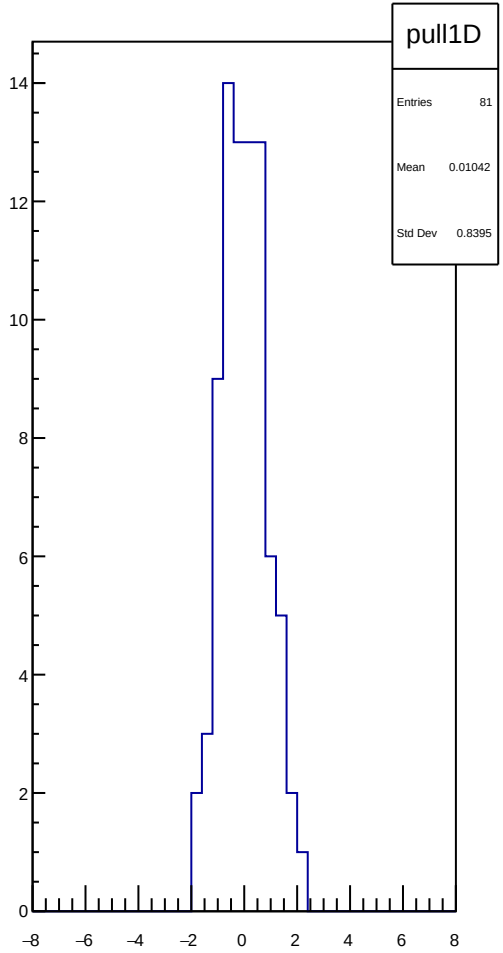

asym_at2_dd_rms vs run
χ² / ndf 4003 / 80
p0 2452 ± 1.978
2700
2600
2500
2400
2300
2200
2100


dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 76.36 / 80
p0 3838 ± 2557
pull
Entries 81
Mean 210.1
Std Dev 157.5

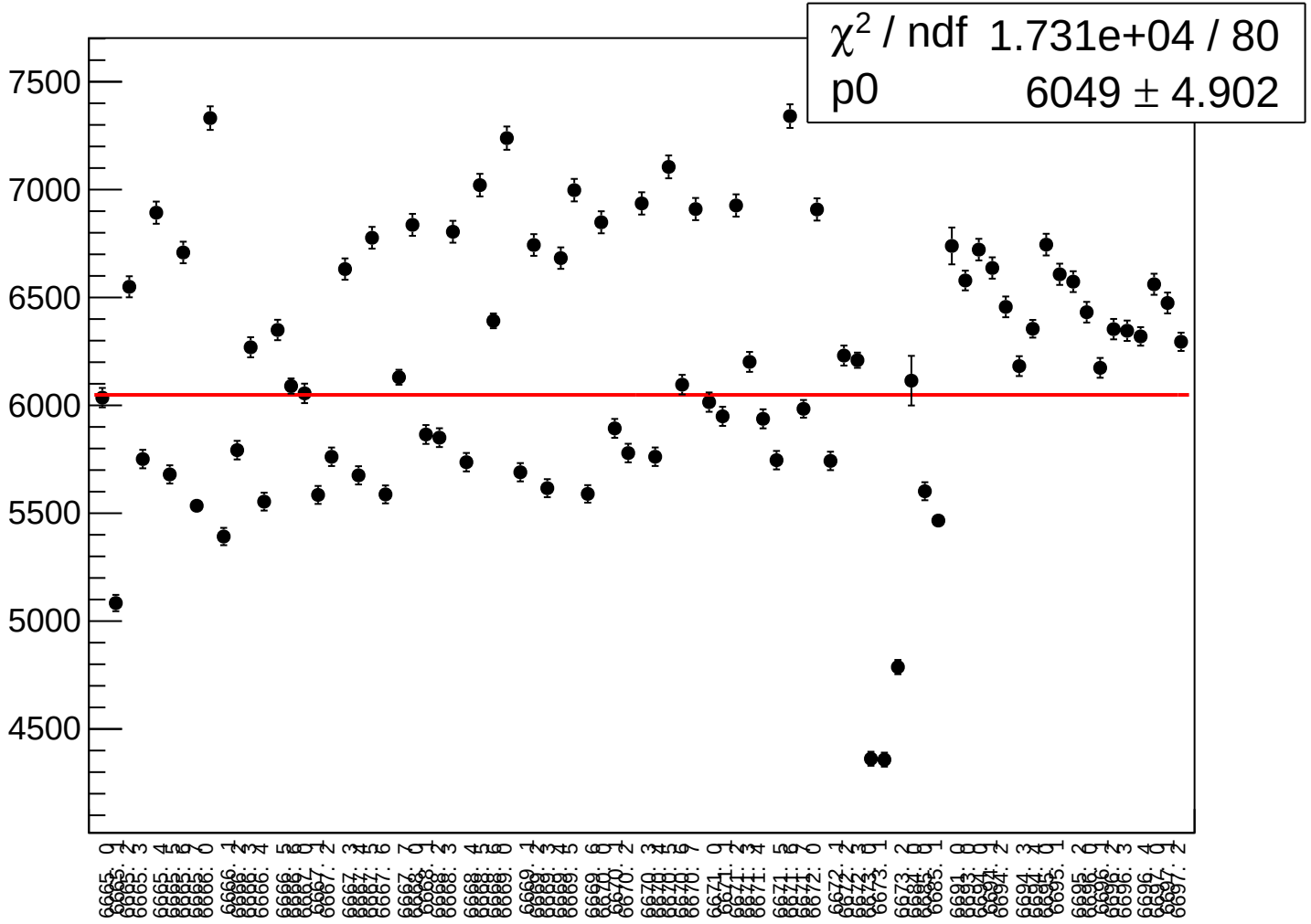

pull1D
Entries 81
Mean 0.01276
Std Dev 0.9709

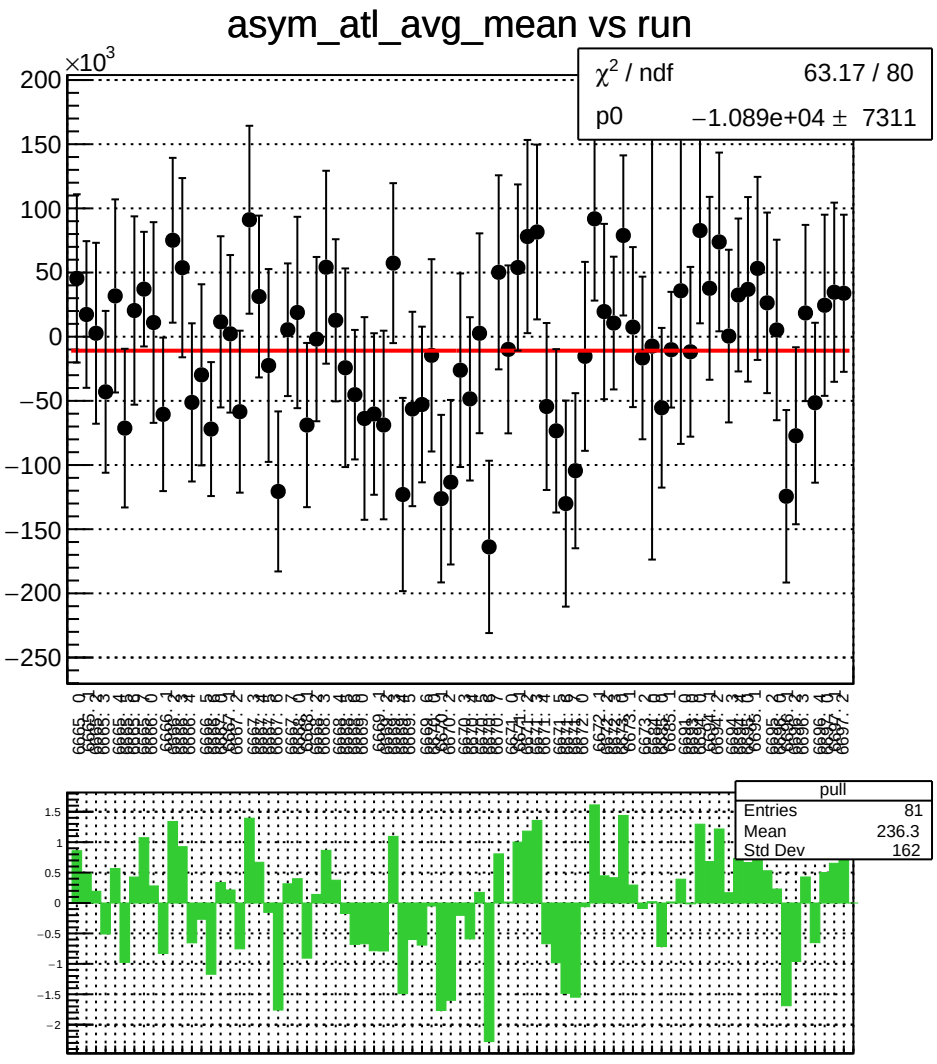

dit_asym_atl_avg_rms vs run
χ² / ndf 5295 / 80
p0 2240 ± 1.808
2800
2700
2600
2500
2400
2300
2200
2100
2000

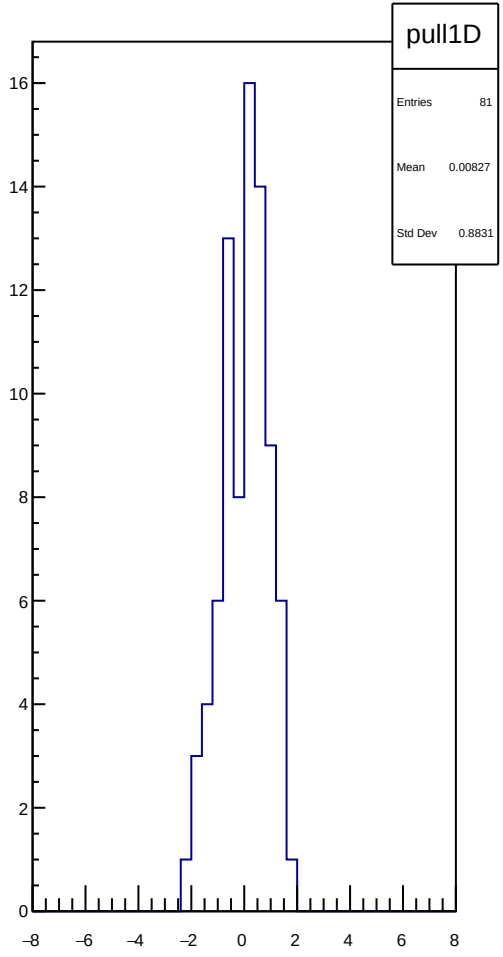

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 57.09 / 80
p0 1.313e+04 ± 6932
pull
Entries 81
Mean −61.65
Std Dev 133.9


pull1D
Entries 81
Mean 0.01042
Std Dev 0.8395

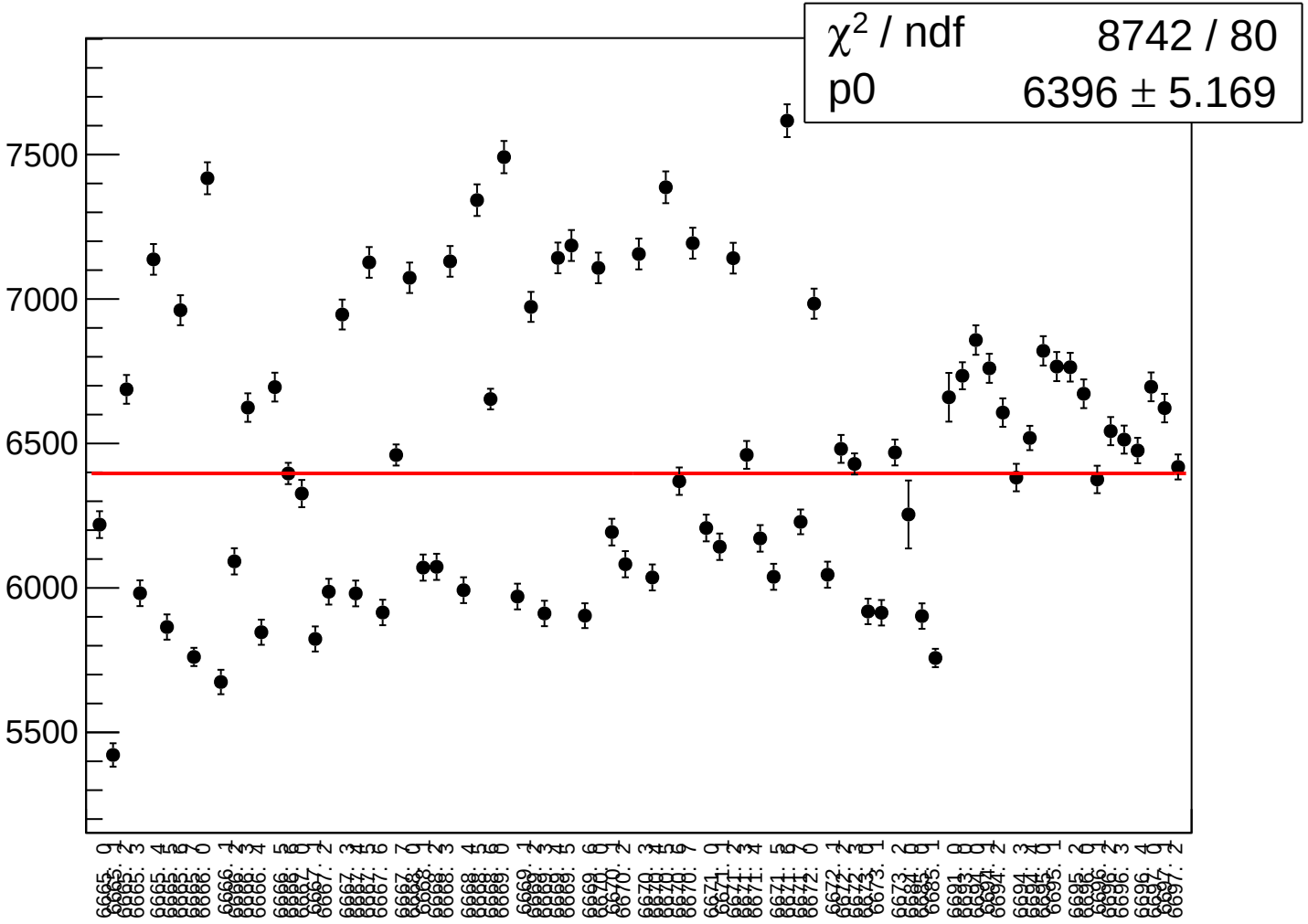
asym_atl_avg_correction_rms vs run

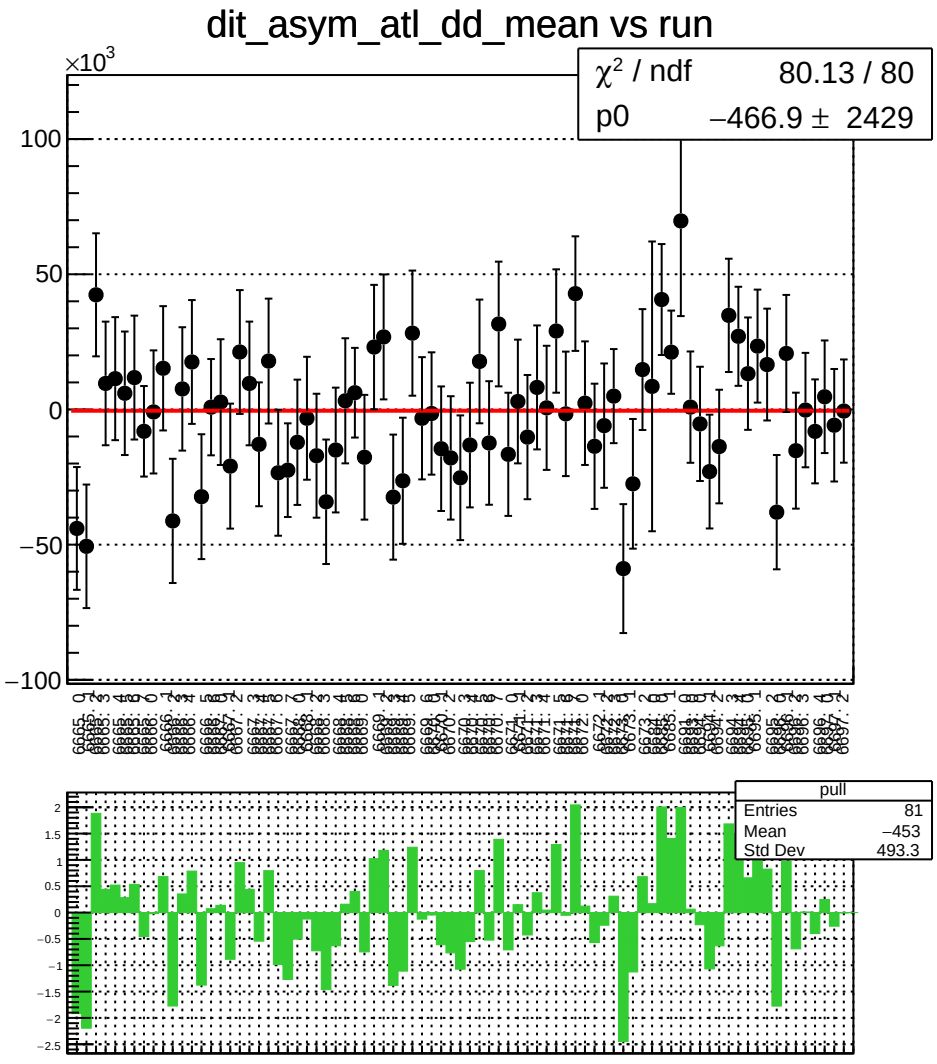


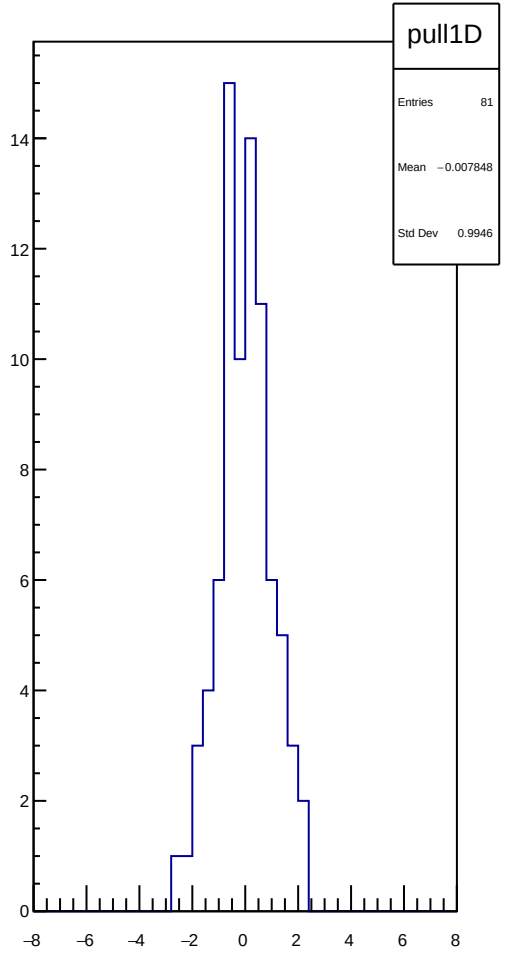

asym_atl_avg_mean vs run
×10^3
χ² / ndf 63.17 / 80
p0 −1.089e+04 ± 7311
pull
Entries 81
Mean 236.3
Std Dev 162


pull1D
Entries 81
Mean 0.00827
Std Dev 0.8831

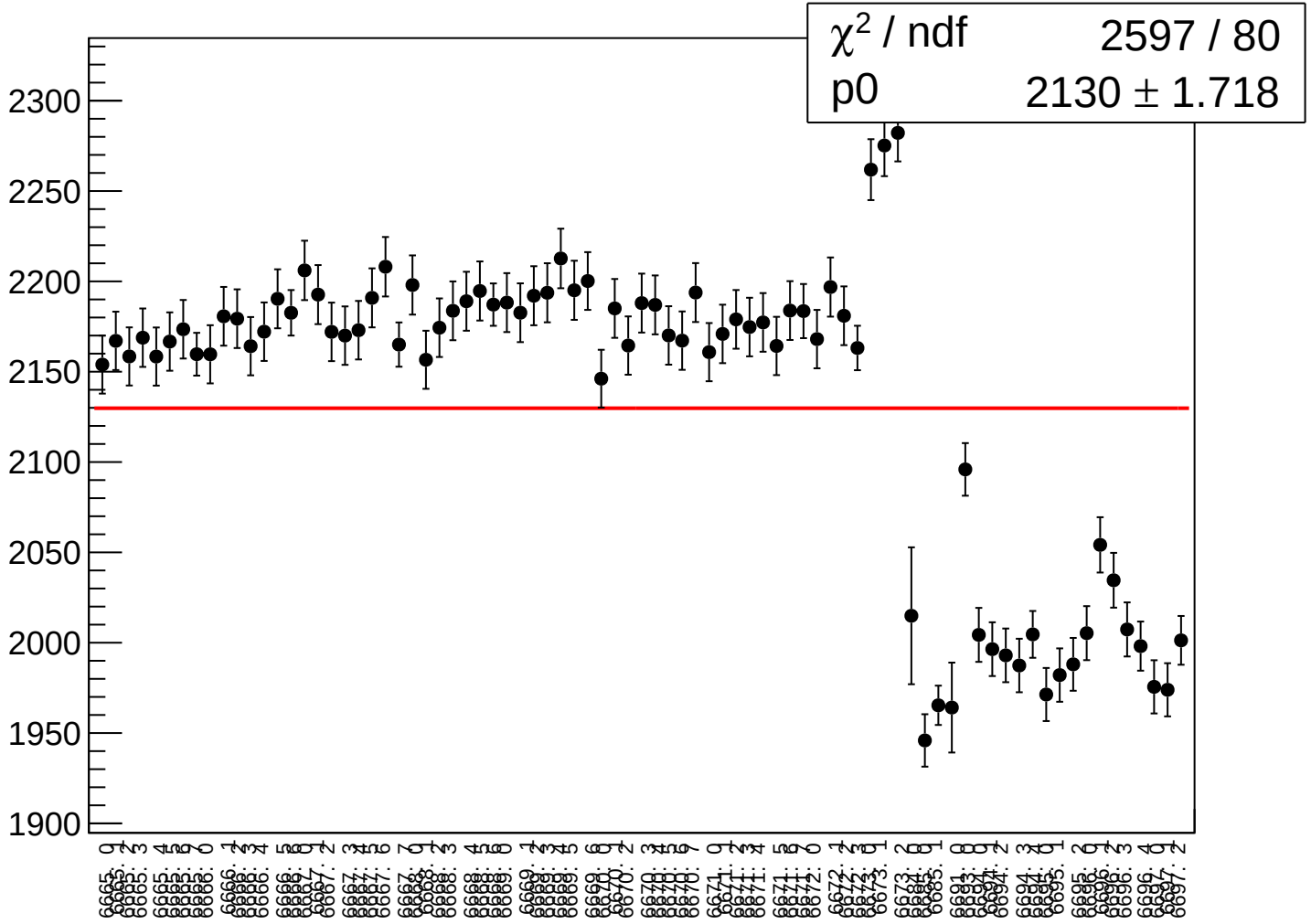
asym_atl_avg_rms vs run

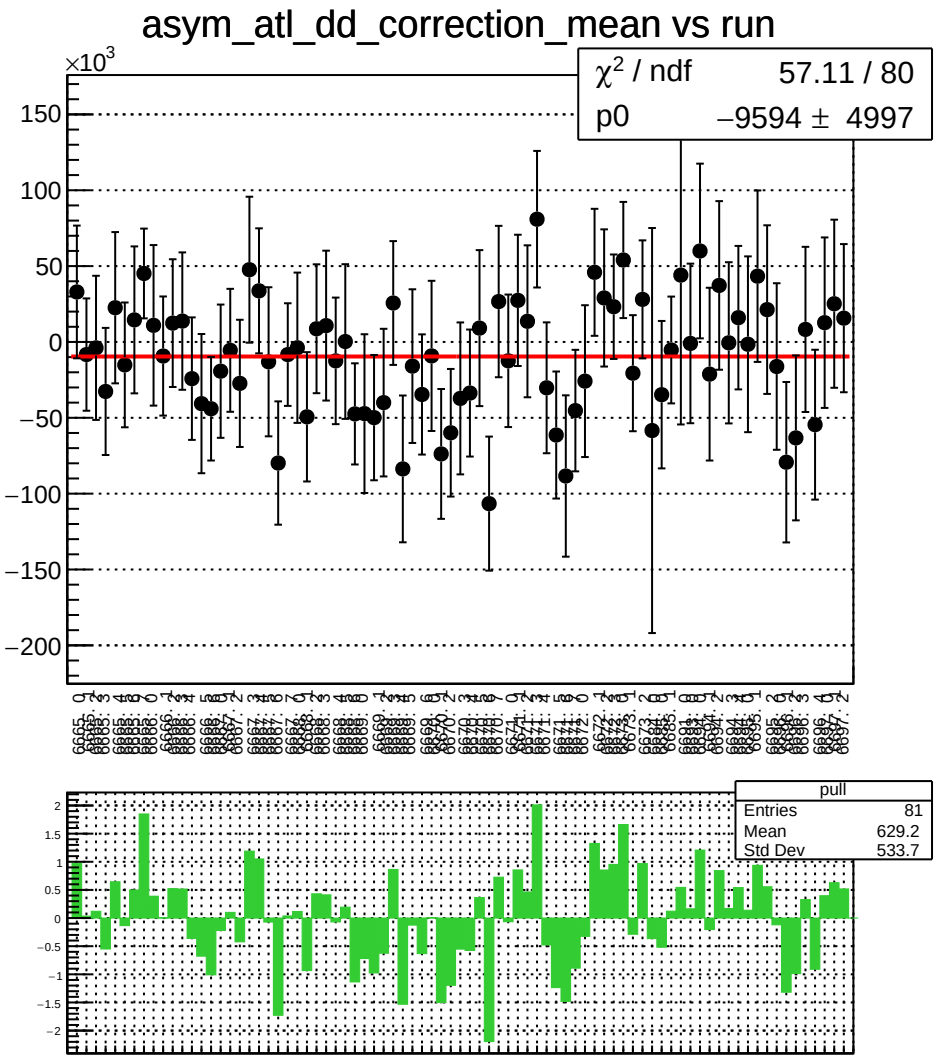


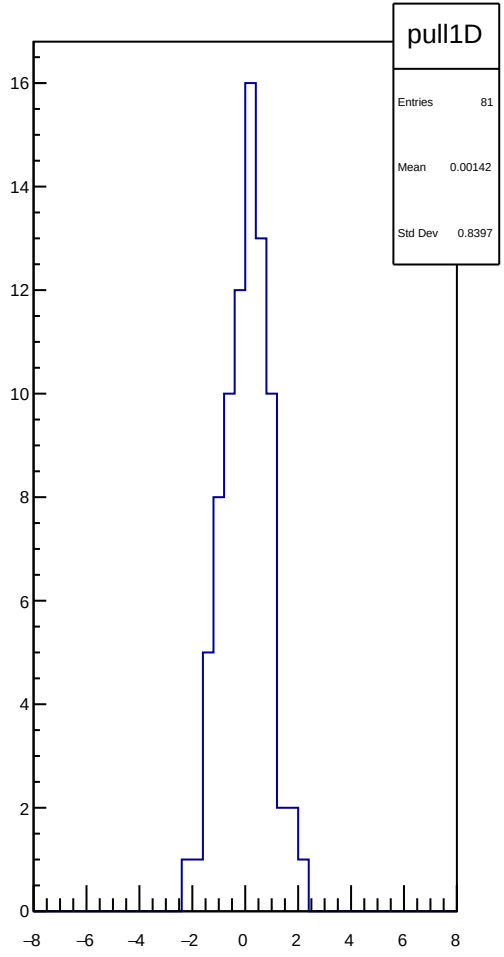

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 80.13 / 80
p0 −466.9 ± 2429
pull
Entries 81
Mean −453
Std Dev 493.3


pull1D
Entries 81
Mean −0.007848
Std Dev 0.9946

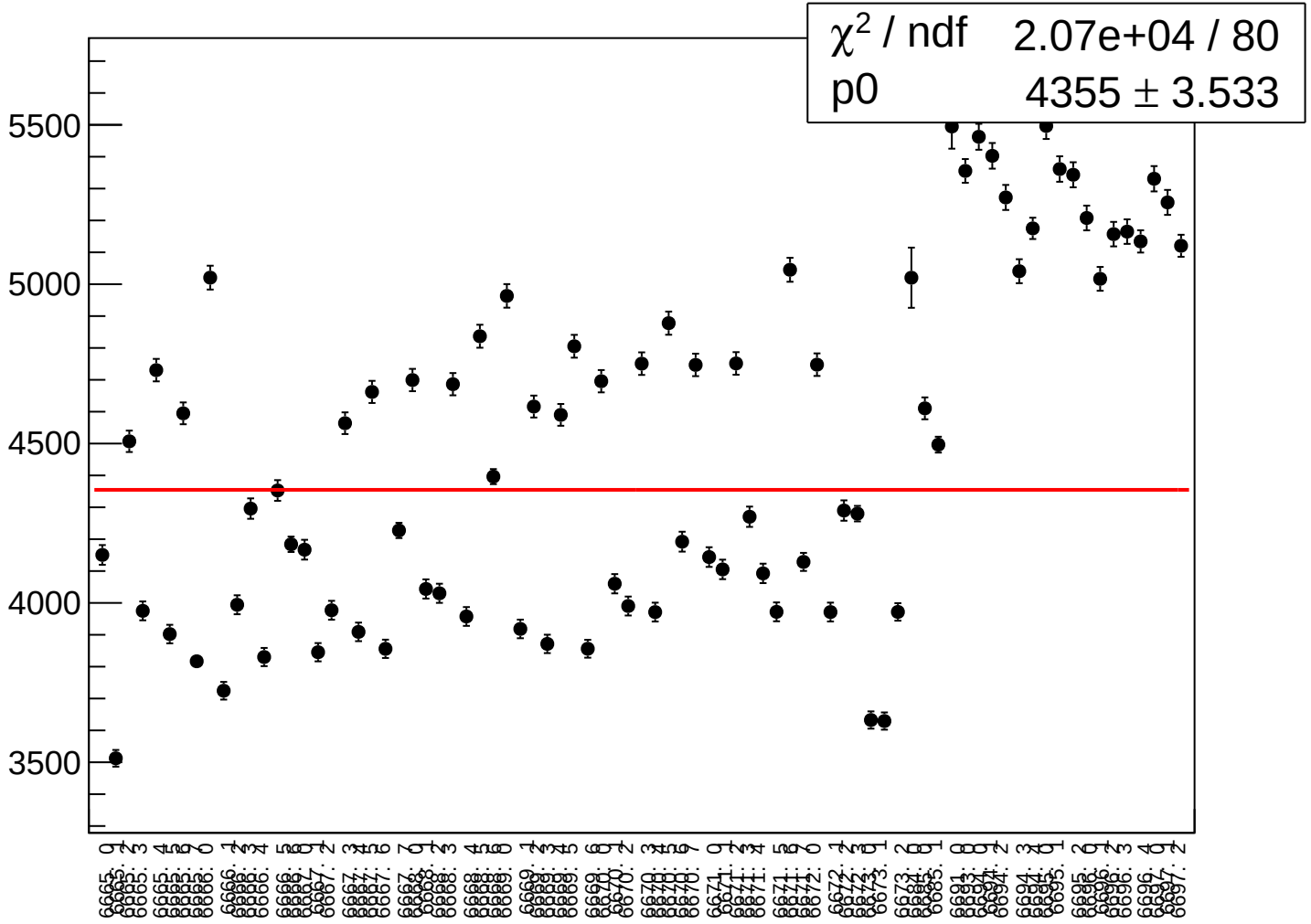
dit_asym_atl_dd_rms vs run

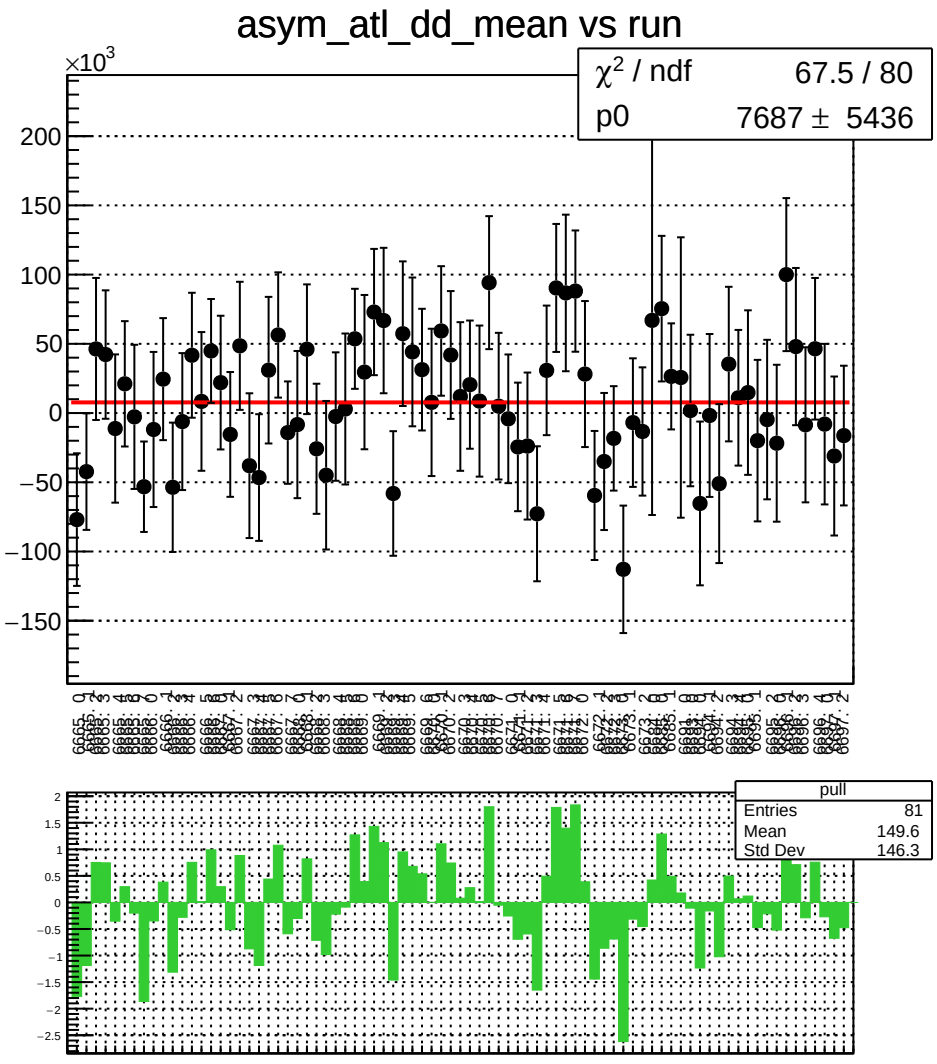


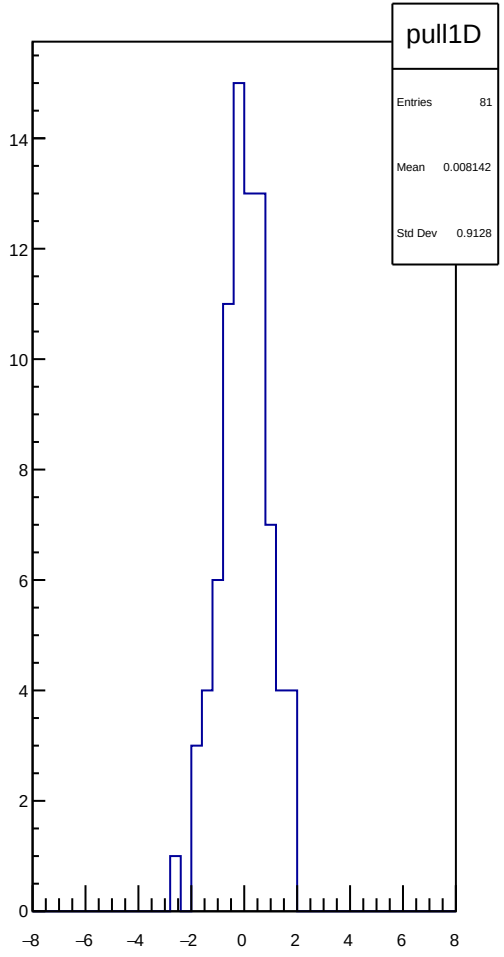

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 57.11 / 80
p0 −9594 ± 4997
pull
Entries 81
Mean 629.2
Std Dev 533.7


pull1D
Entries 81
Mean 0.00142
Std Dev 0.8397

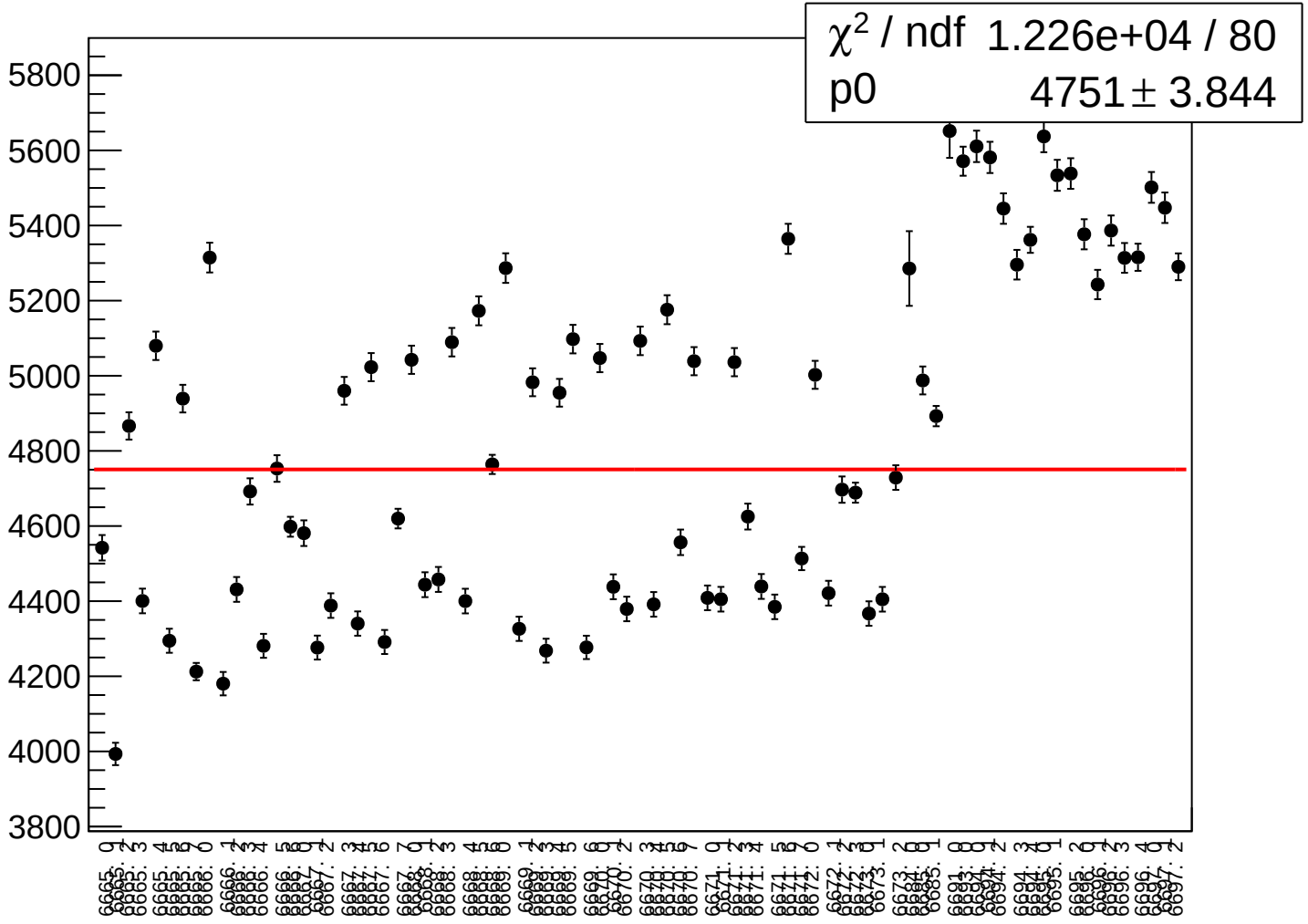
asym_atl_dd_correction_rms vs run

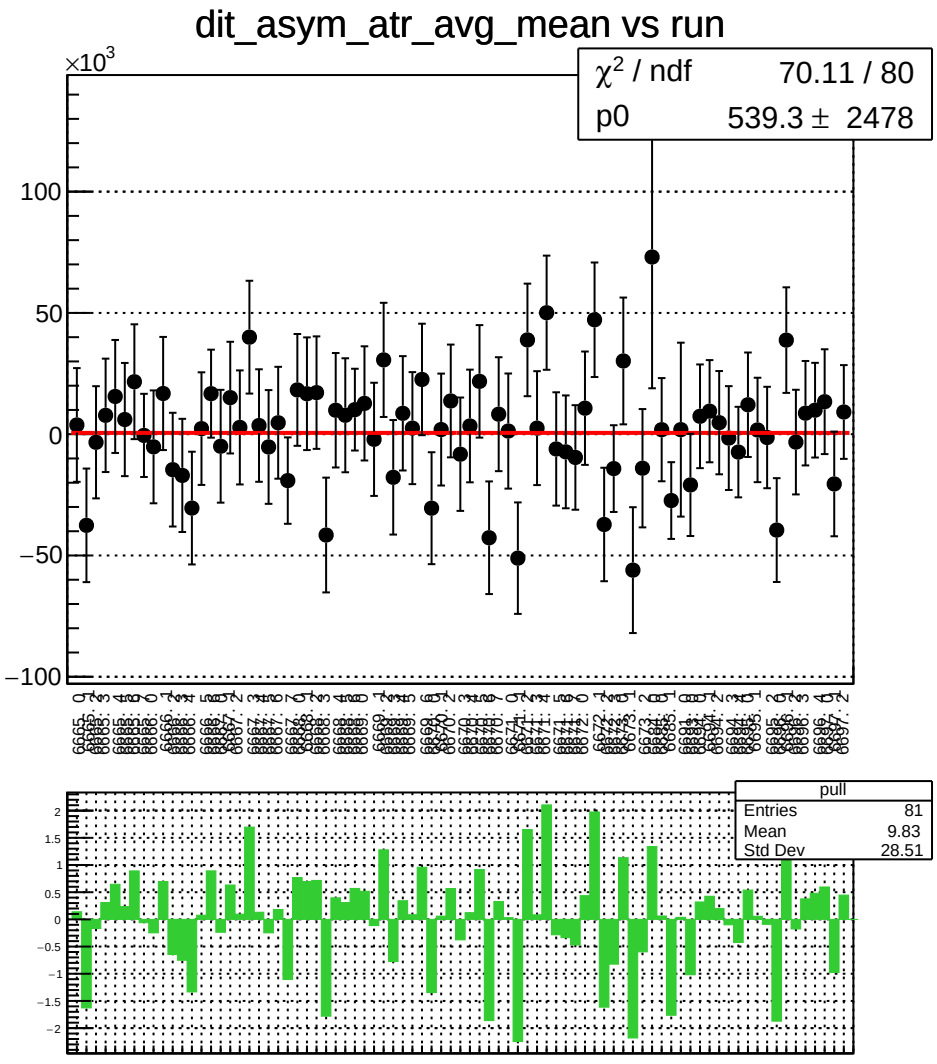


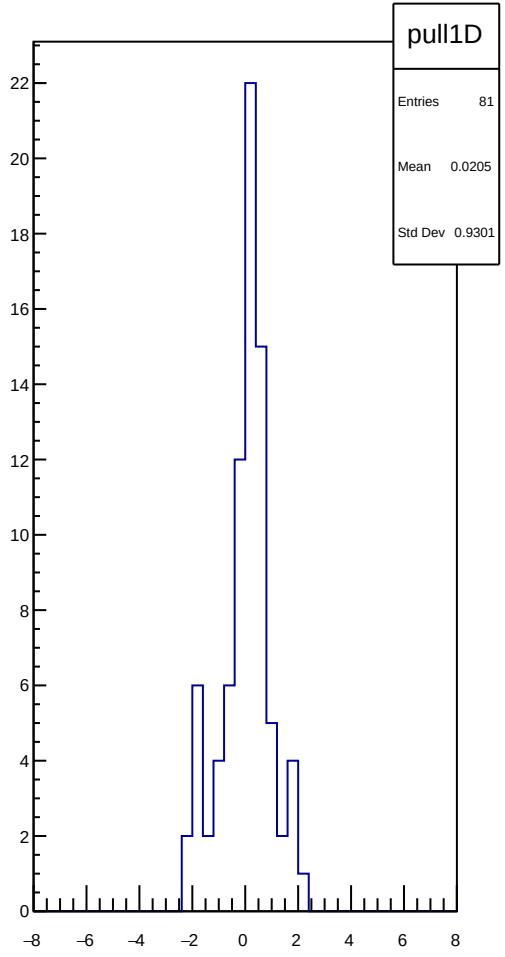

asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.5 / 80
p0 7687 ± 5436
pull
Entries 81
Mean 149.6
Std Dev 146.3


pull1D
Entries 81
Mean 0.008142
Std Dev 0.9128

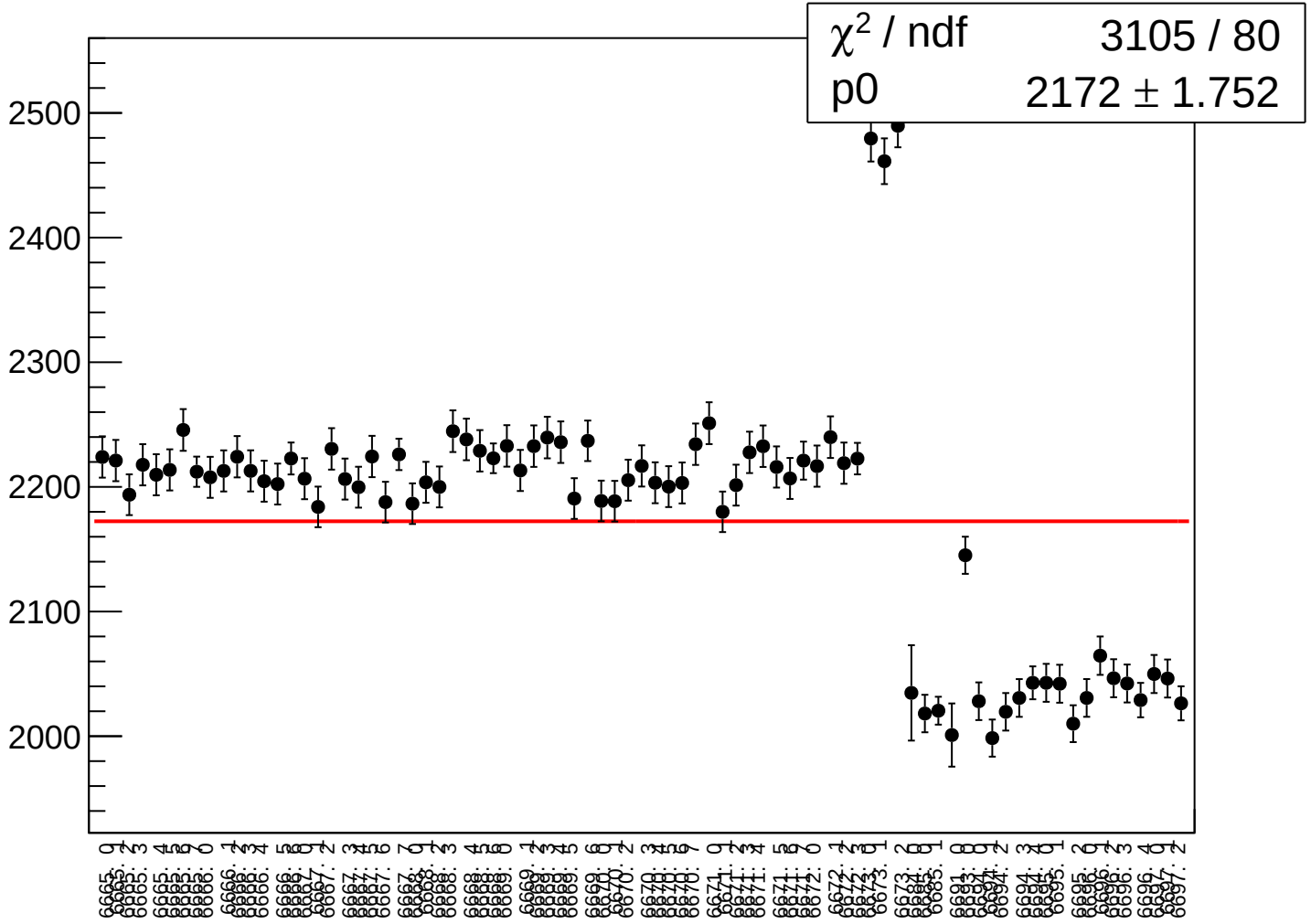
asym_atl_dd_rms vs run

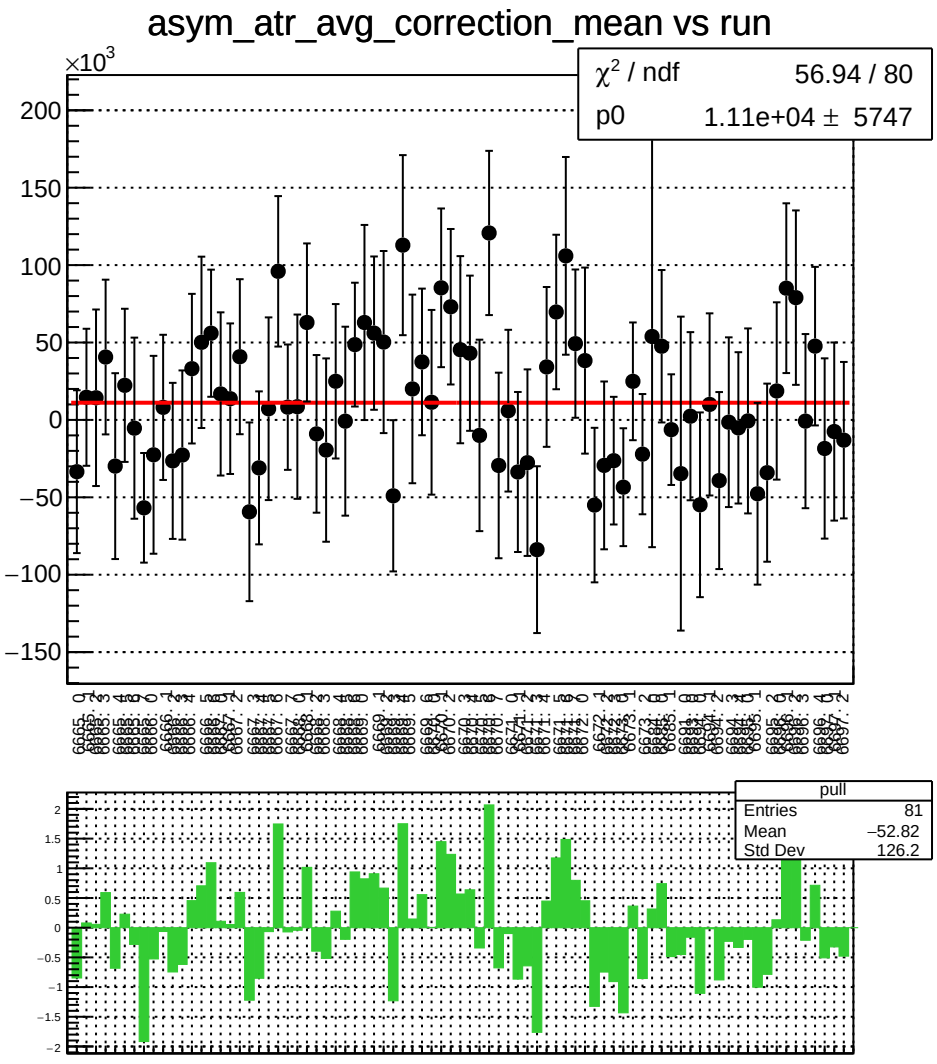


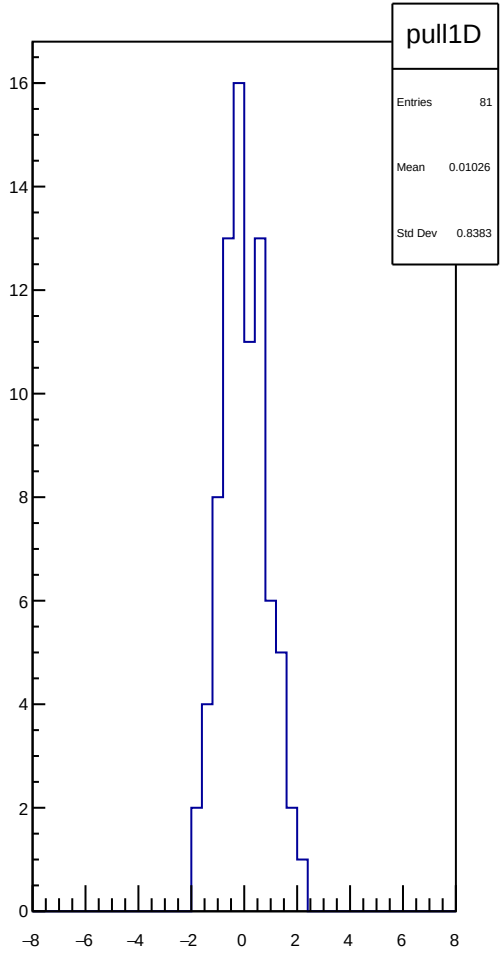

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 70.11 / 80
p0 539.3 ± 2478
pull
Entries 81
Mean 9.83
Std Dev 28.51


pull1D
Entries 81
Mean 0.0205
Std Dev 0.9301

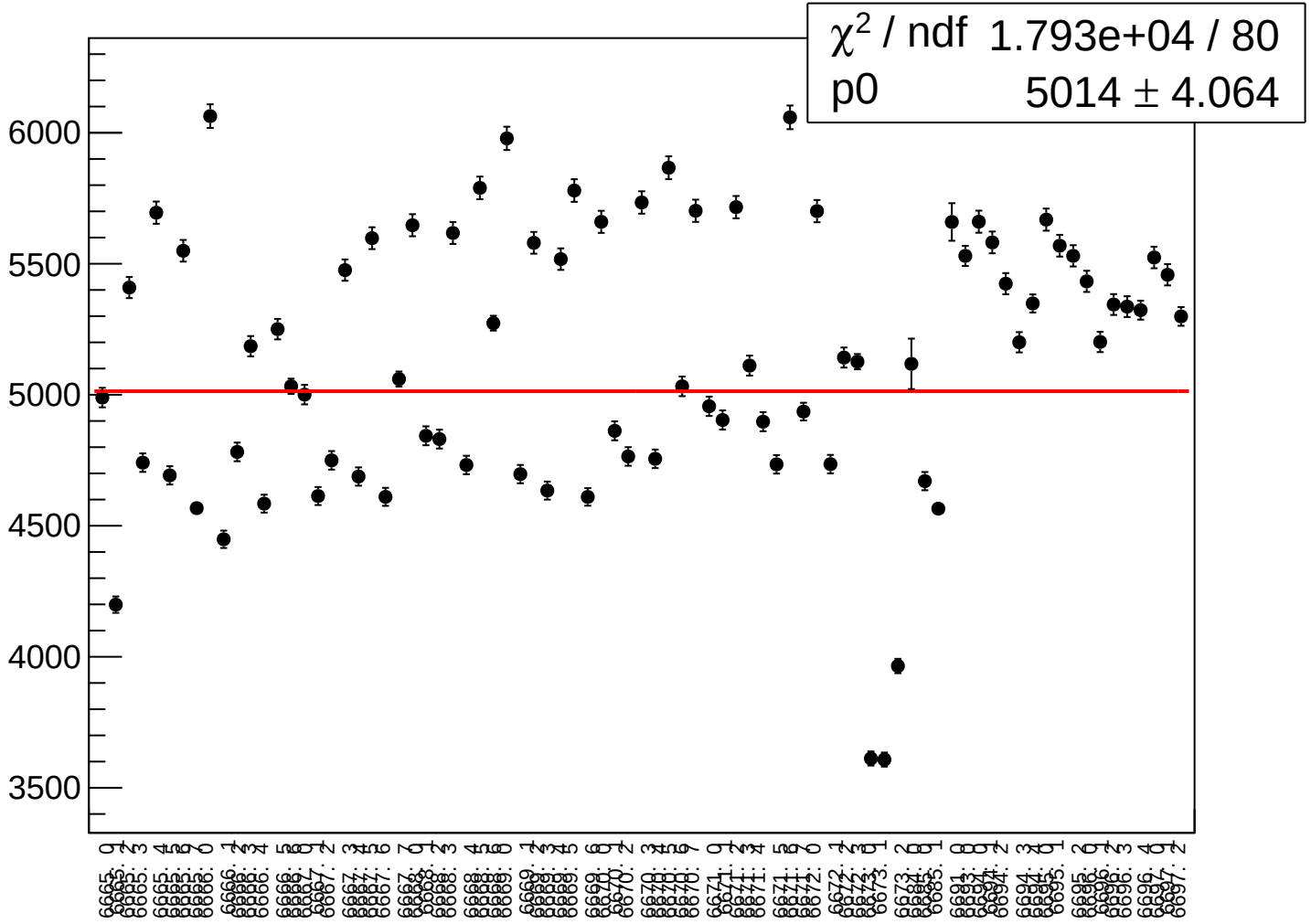
dit_asym_atr_avg_rms vs run

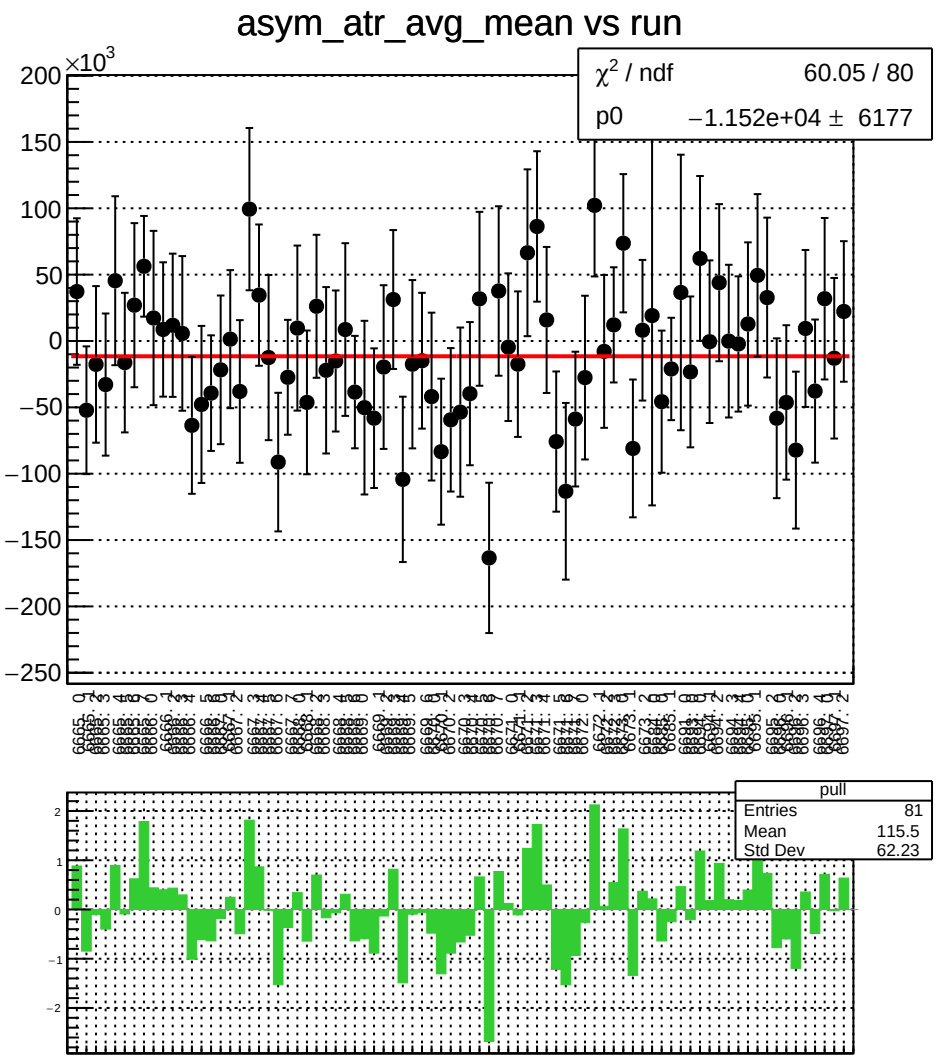


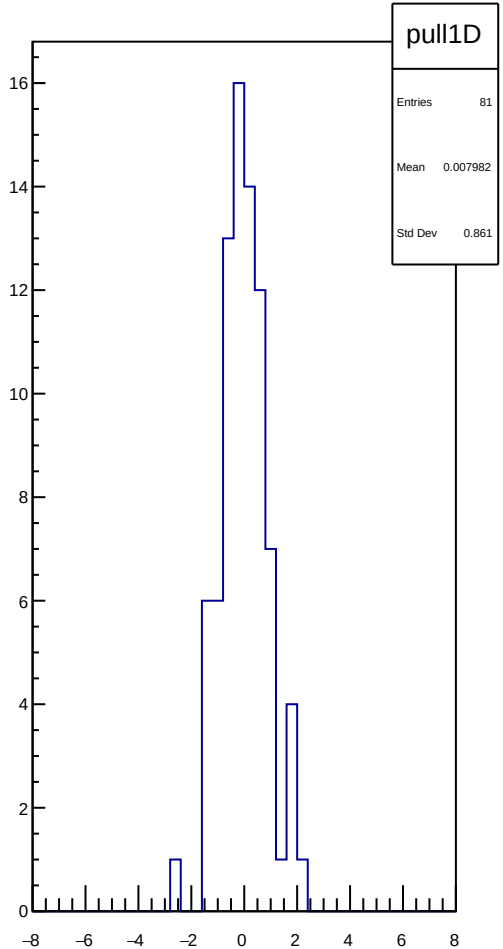

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 56.94 / 80
p0 1.11e+04 ± 5747
pull
Entries 81
Mean −52.82
Std Dev 126.2

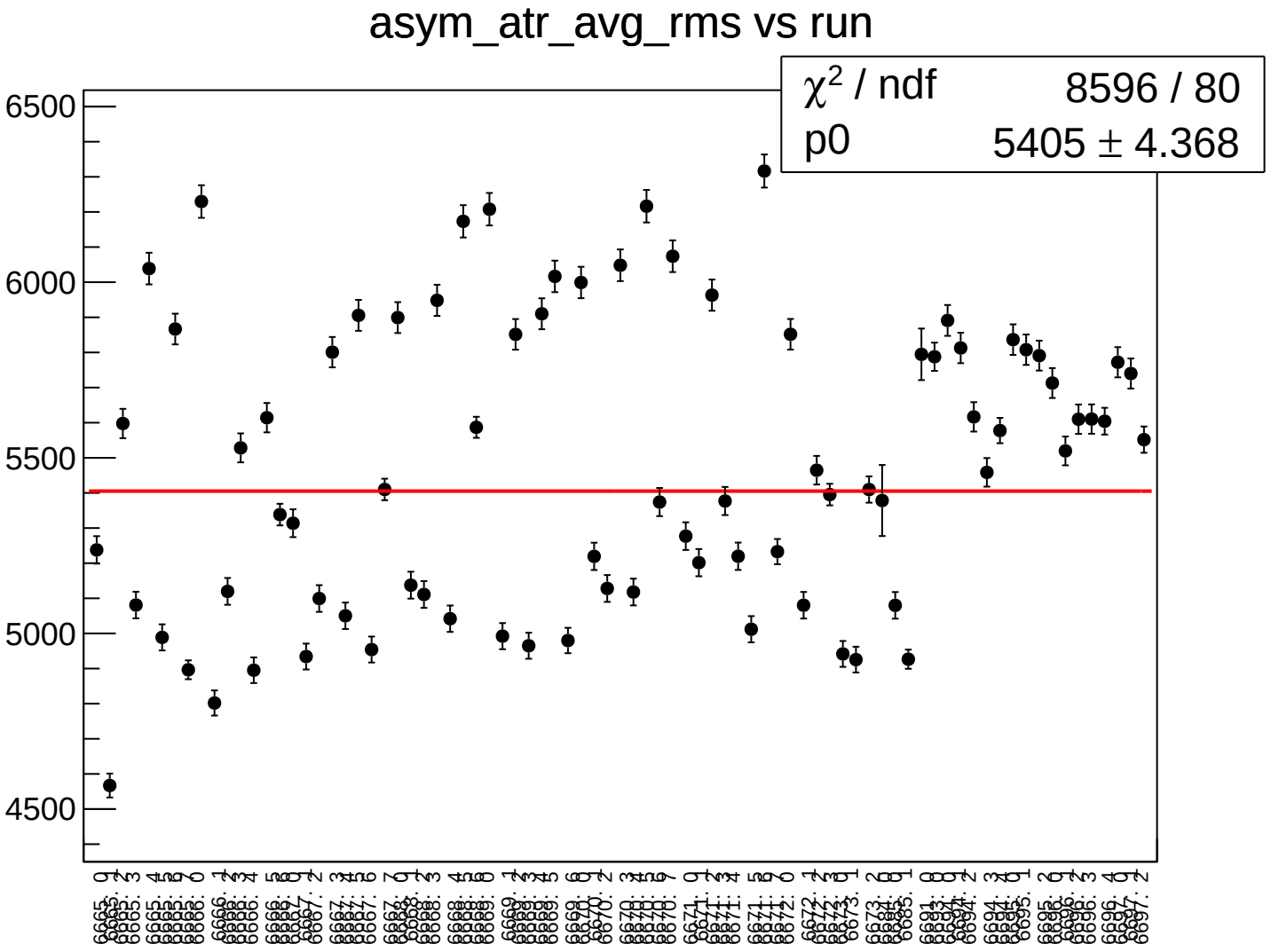

pull1D
Entries 81
Mean 0.01026
Std Dev 0.8383

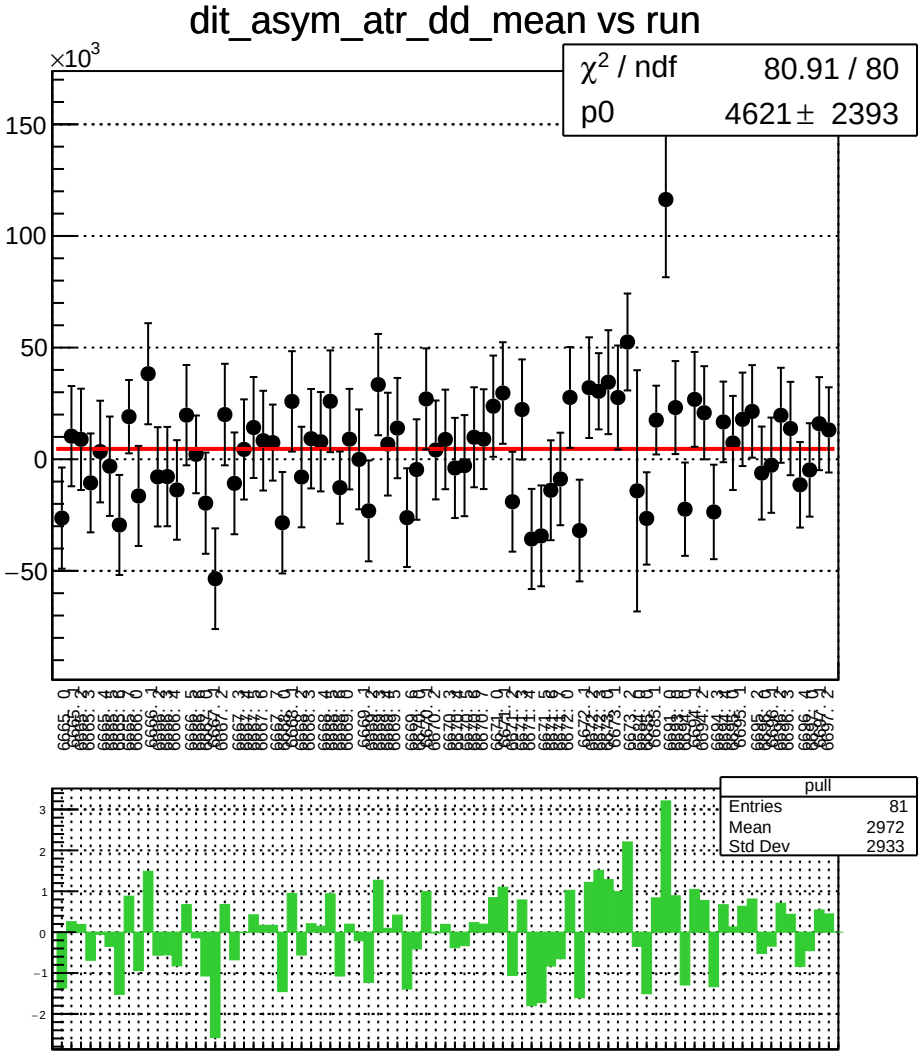
asym_atr_avg_correction_rms vs run

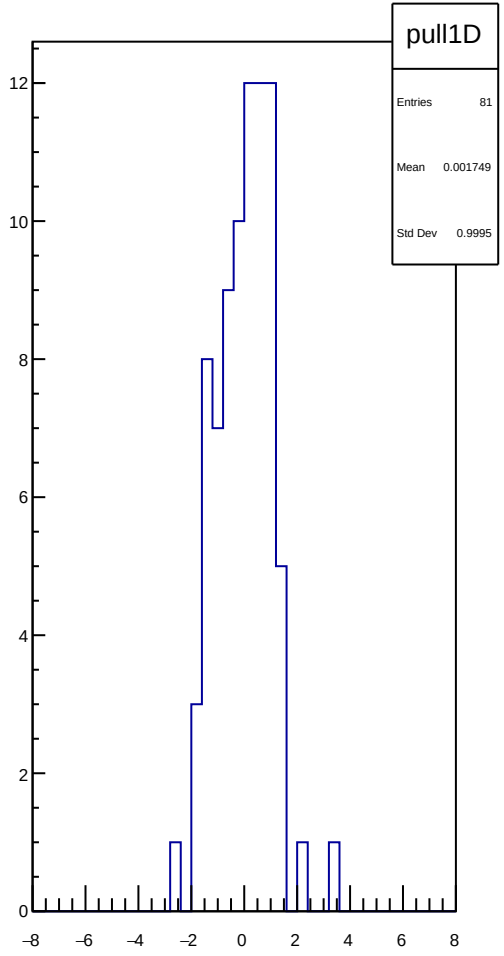


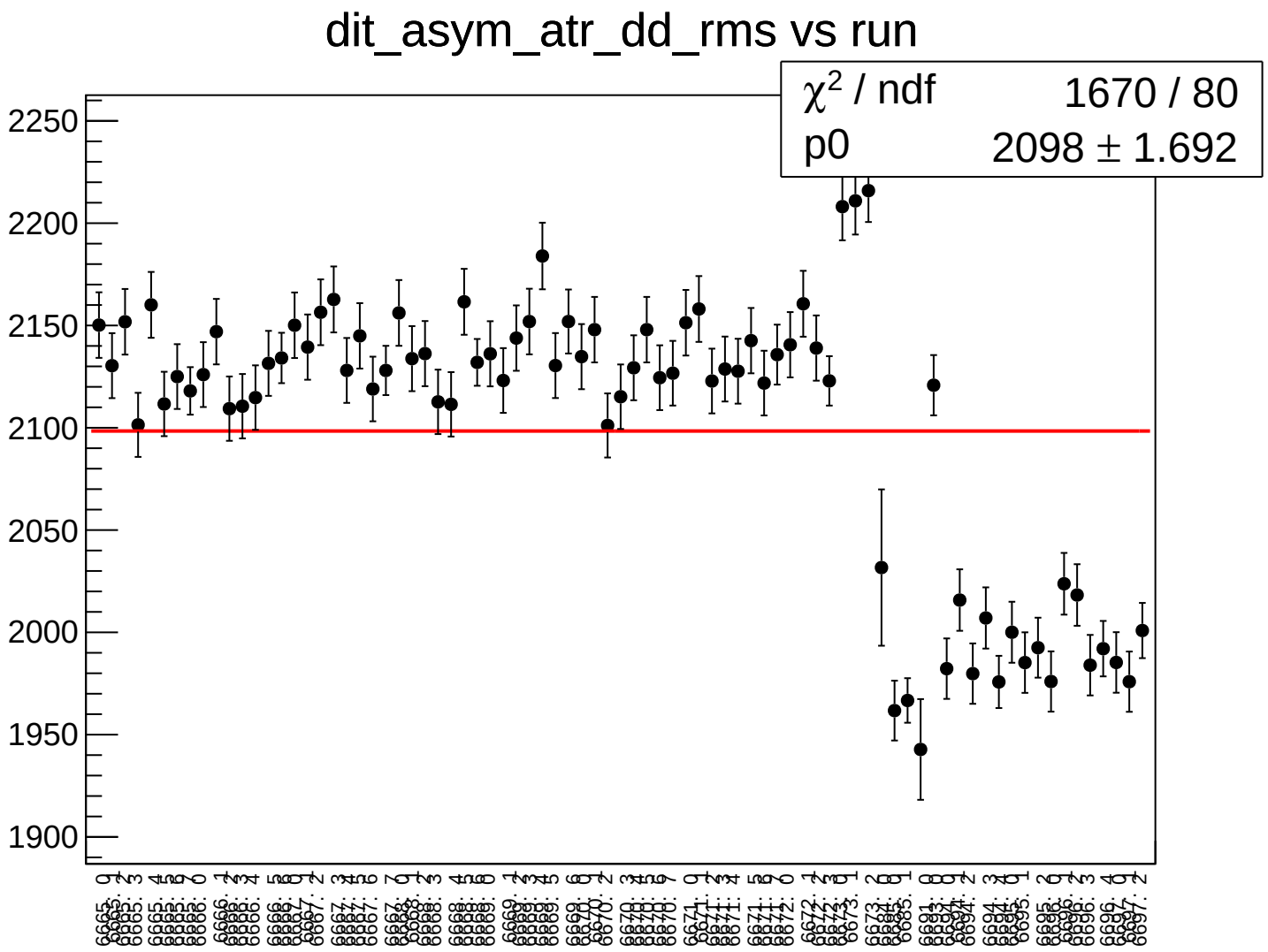

asym_atr_avg_mean vs run
×10^3
χ² / ndf 60.05 / 80
p0 −1.152e+04 ± 6177
pull
Entries 81
Mean 115.5
Std Dev 62.23

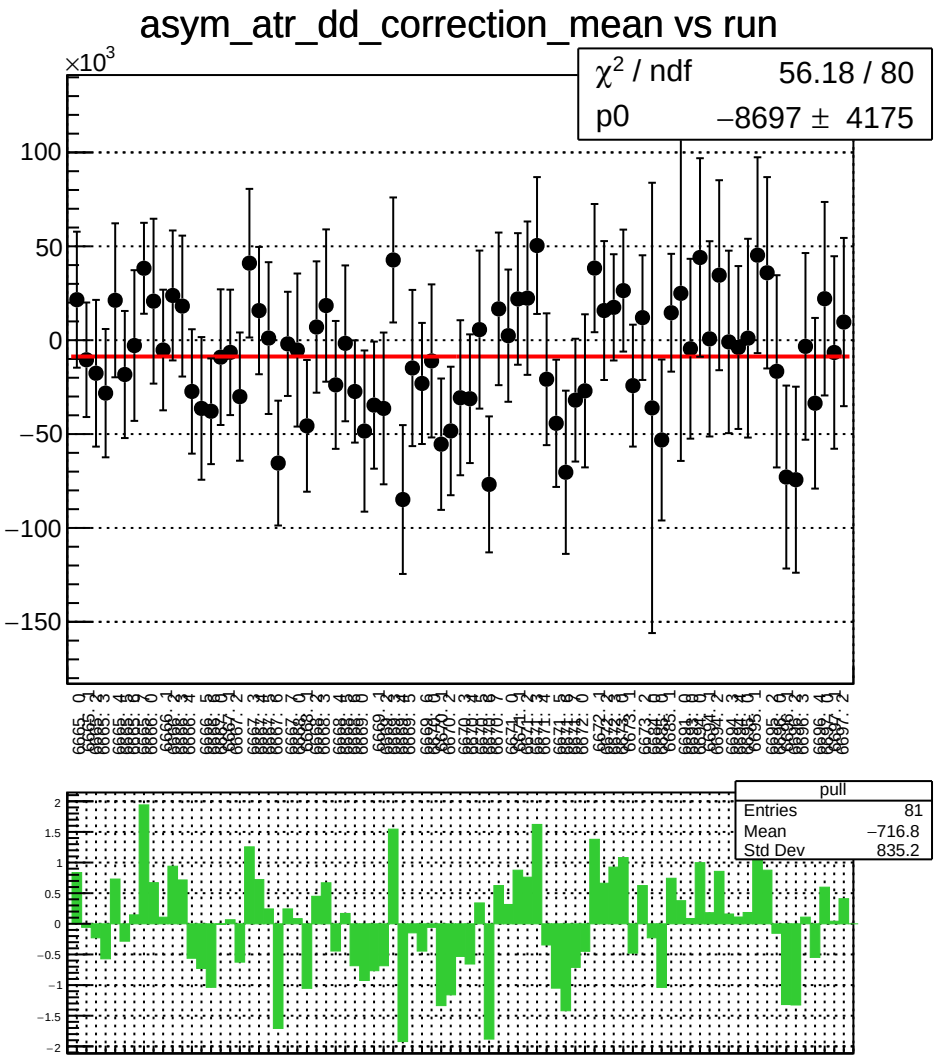

pull1D
Entries 81
Mean 0.007982
Std Dev 0.861

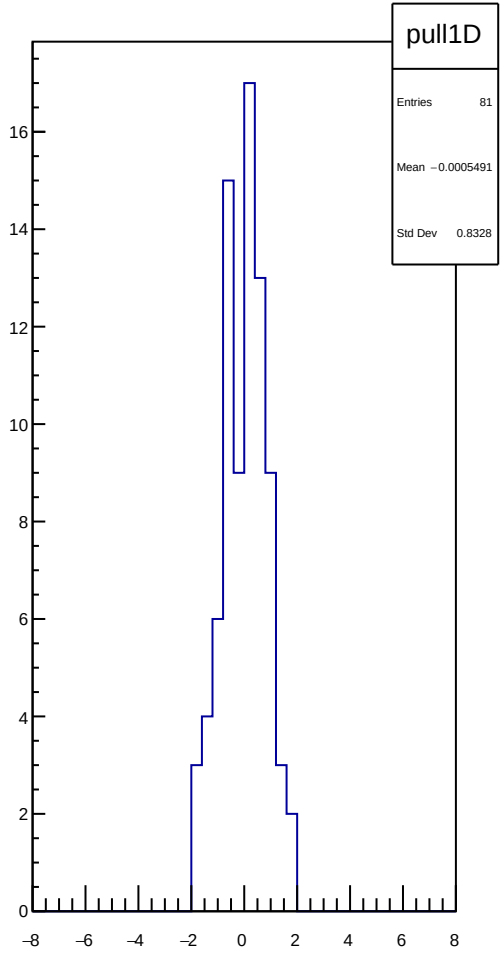

asym_atr_avg_rms vs run
χ² / ndf 8596 / 80
p0 5405 ± 4.368
6500
6000
5500
5000
4500


dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 80.91 / 80
p0 4621 ± 2393
pull
Entries 81
Mean 2972
Std Dev 2933

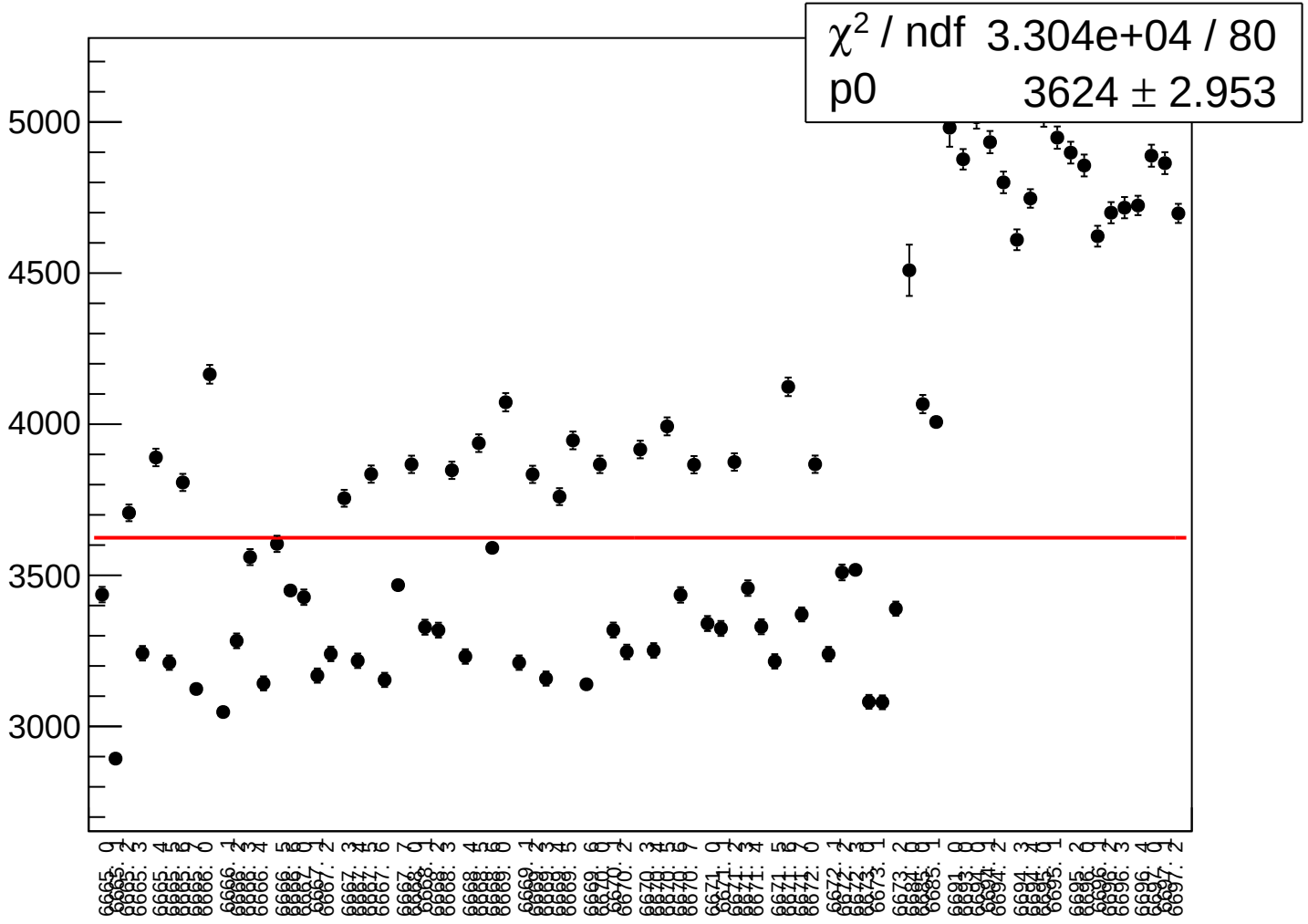

pull1D
Entries 81
Mean 0.001749
Std Dev 0.9995

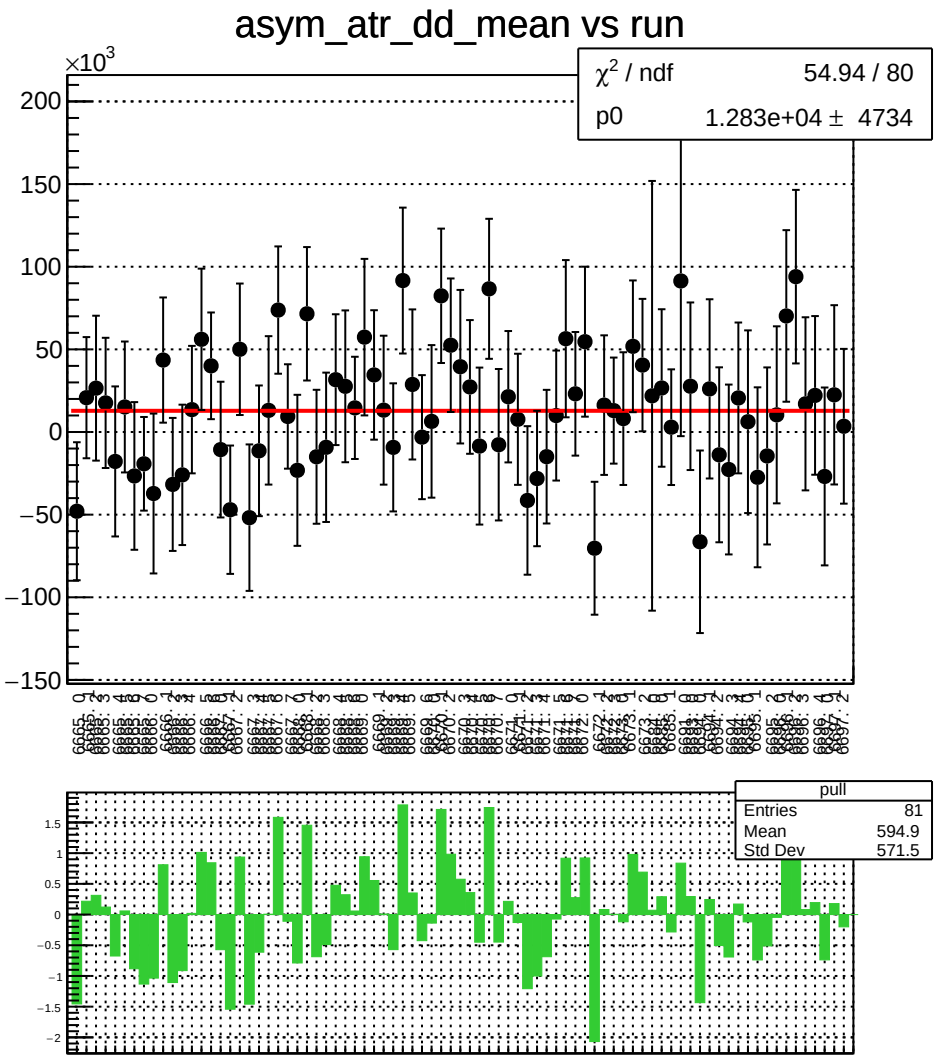

dit_asym_atr_dd_rms vs run
χ^2 / ndf 1670 / 80
p0 2098 ± 1.692
2250
2200
2150
2100
2050
2000
1950
1900

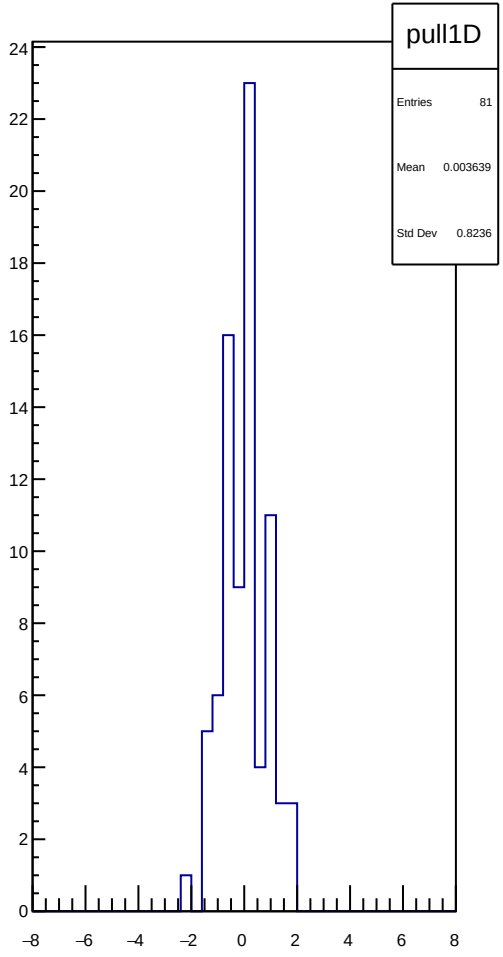

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 56.18 / 80
p0 −8697 ± 4175
pull
Entries 81
Mean −716.8
Std Dev 835.2


pull1D
Entries 81
Mean −0.0005491
Std Dev 0.8328

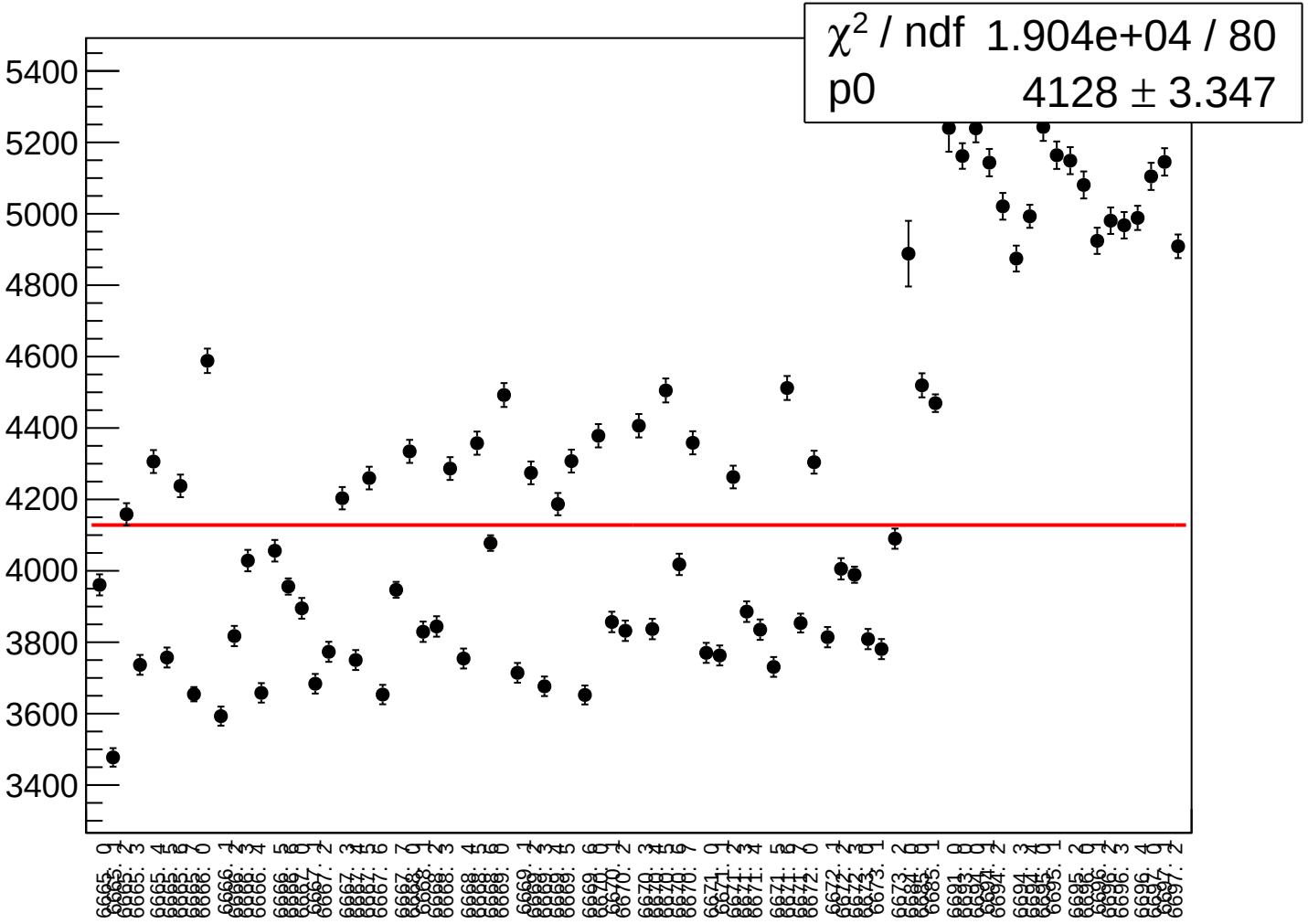
asym_atr_dd_correction_rms vs run

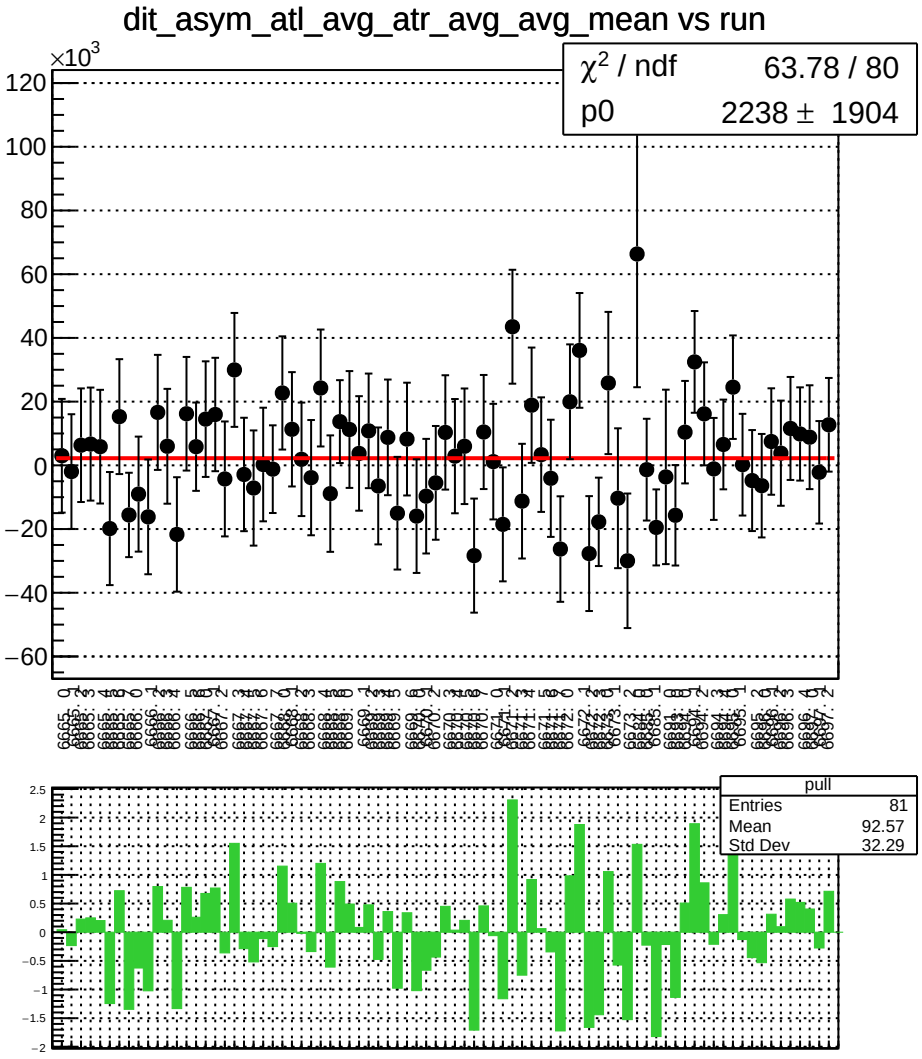


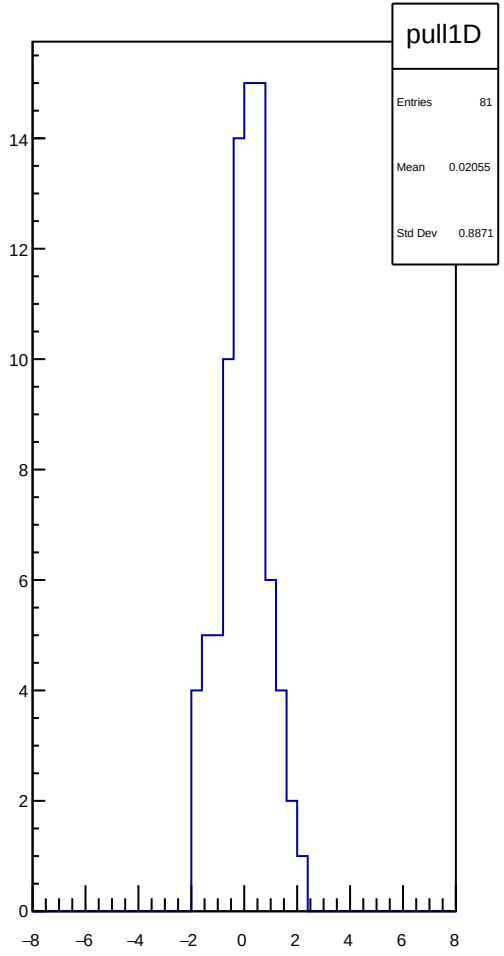

asym_atr_dd_mean vs run
×10^3
χ² / ndf 54.94 / 80
p0 1.283e+04 ± 4734
pull
Entries 81
Mean 594.9
Std Dev 571.5

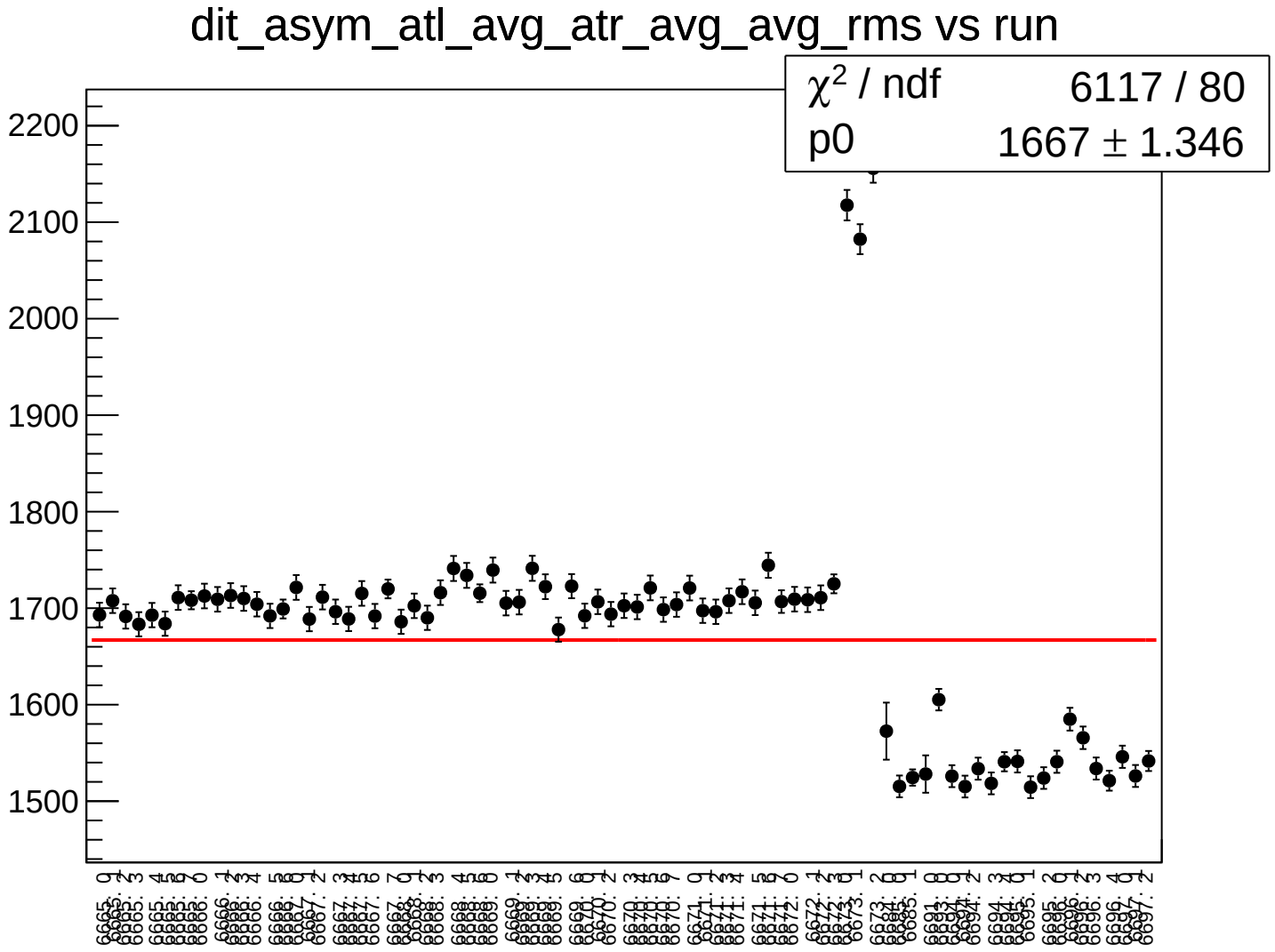

pull1D
Entries 81
Mean 0.003639
Std Dev 0.8236

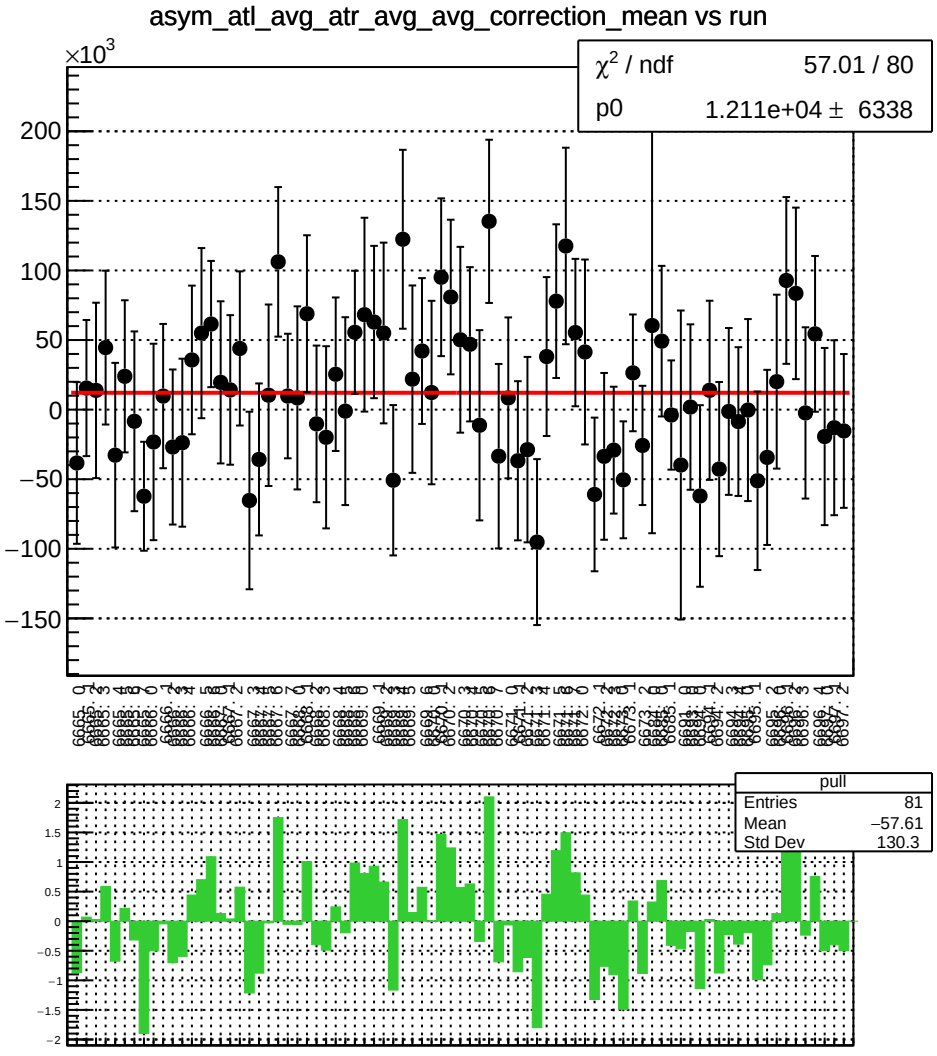
asym_atr_dd_rms vs run

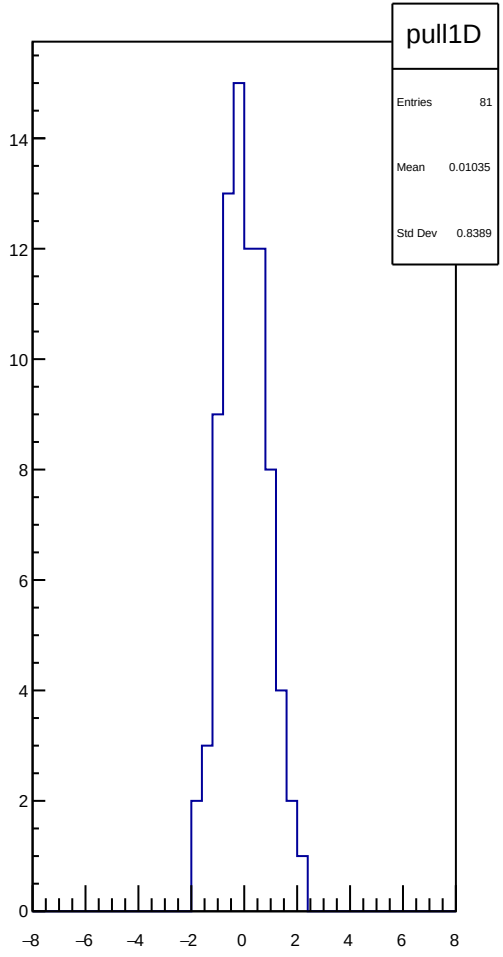


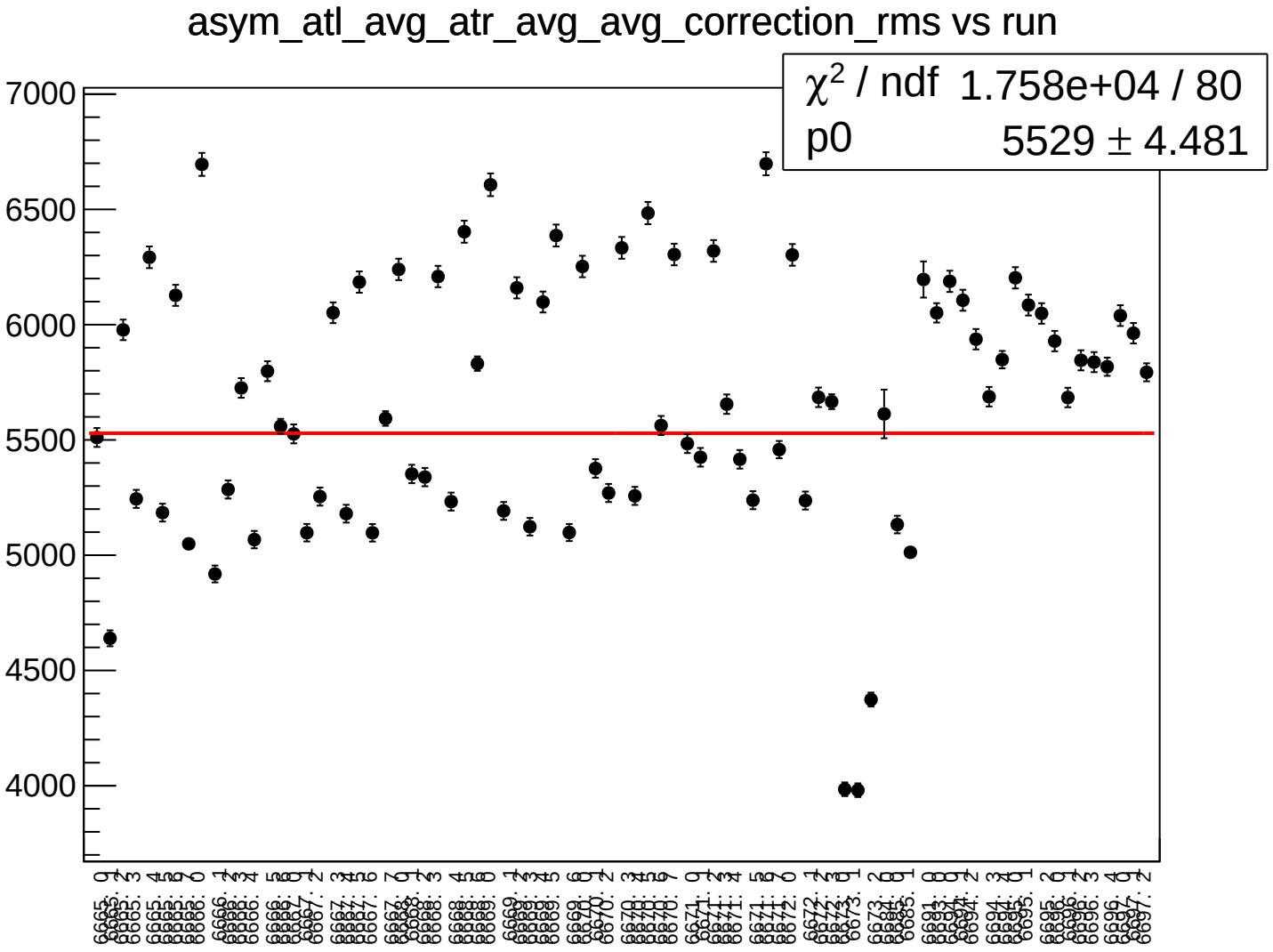

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 63.78 / 80
p0 2238 ± 1904
pull
Entries 81
Mean 92.57
Std Dev 32.29

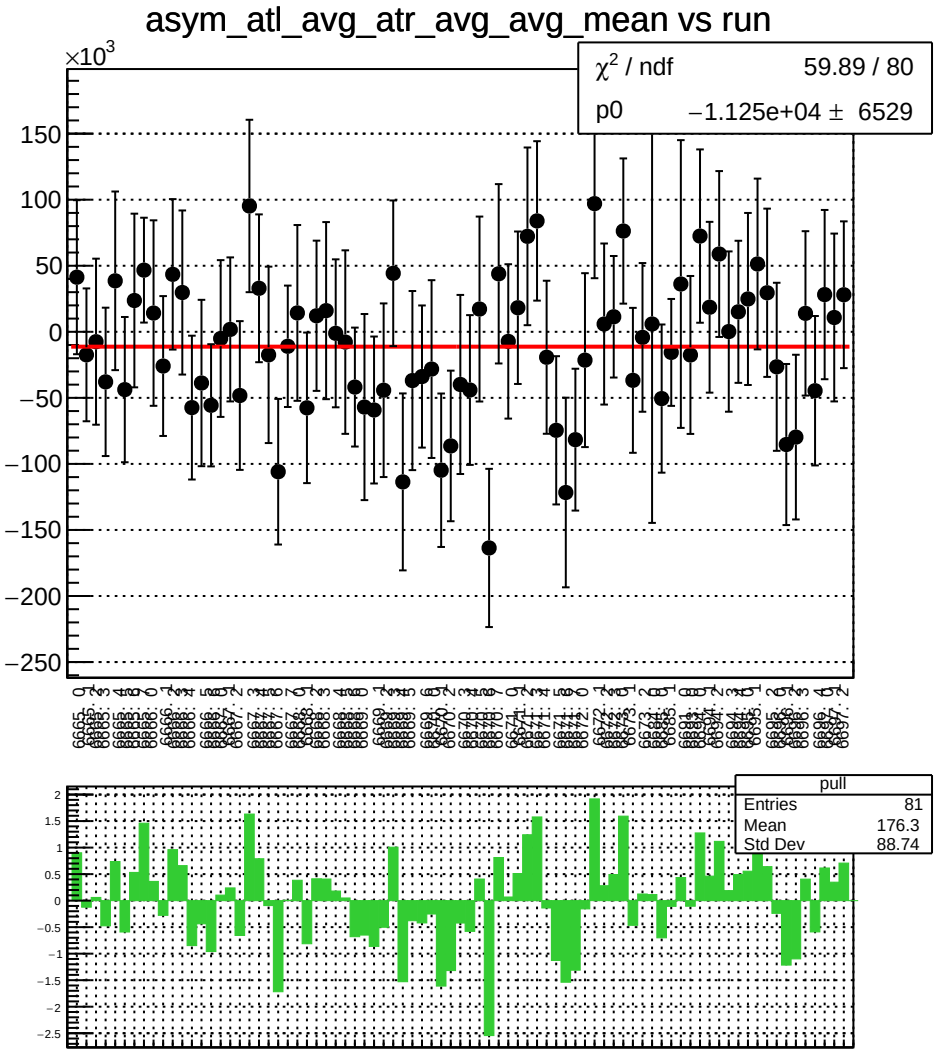

pull1D
Entries 81
Mean 0.02055
Std Dev 0.8871

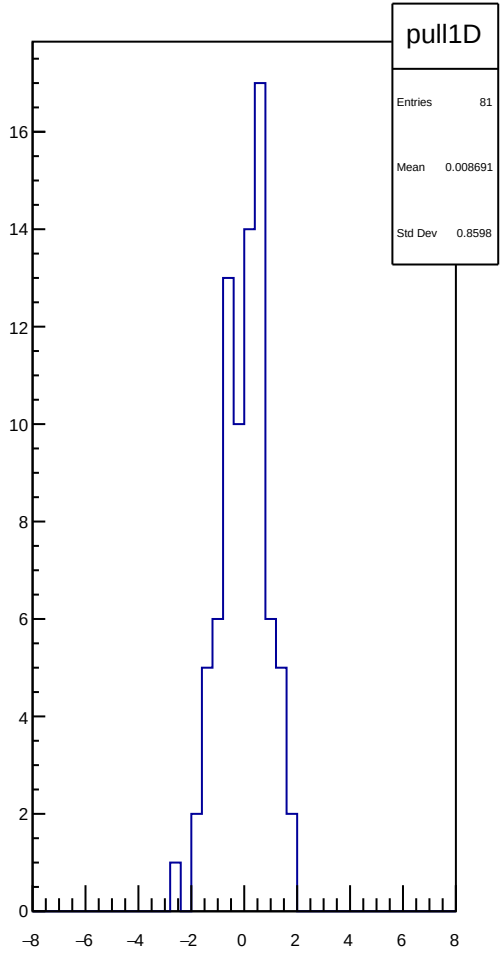

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 6117 / 80
p0 1667 ± 1.346
2200
2100
2000
1900
1800
1700
1600
1500

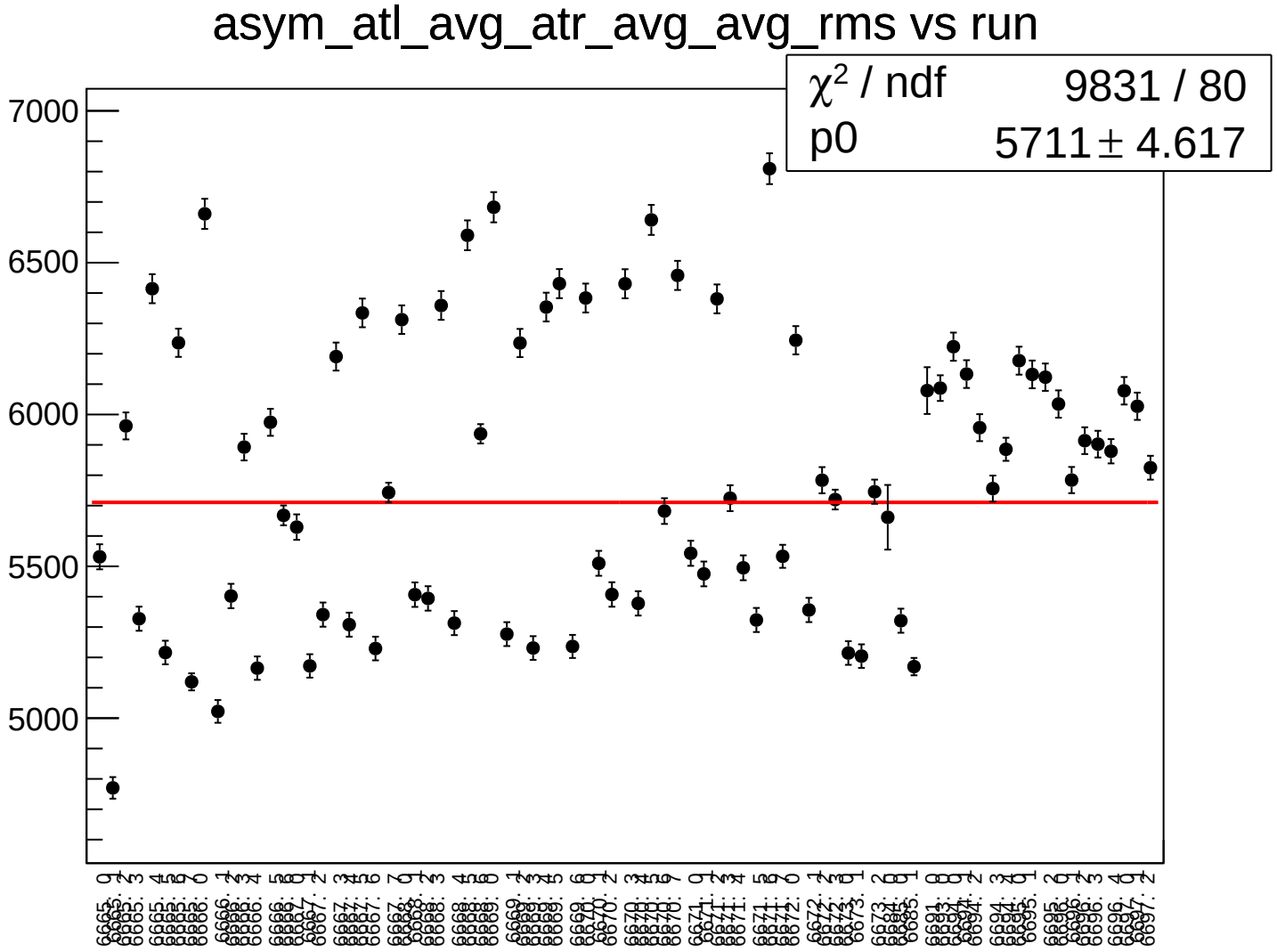

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 57.01 / 80
p0 1.211e+04 ± 6338
pull
Entries 81
Mean −57.61
Std Dev 130.3

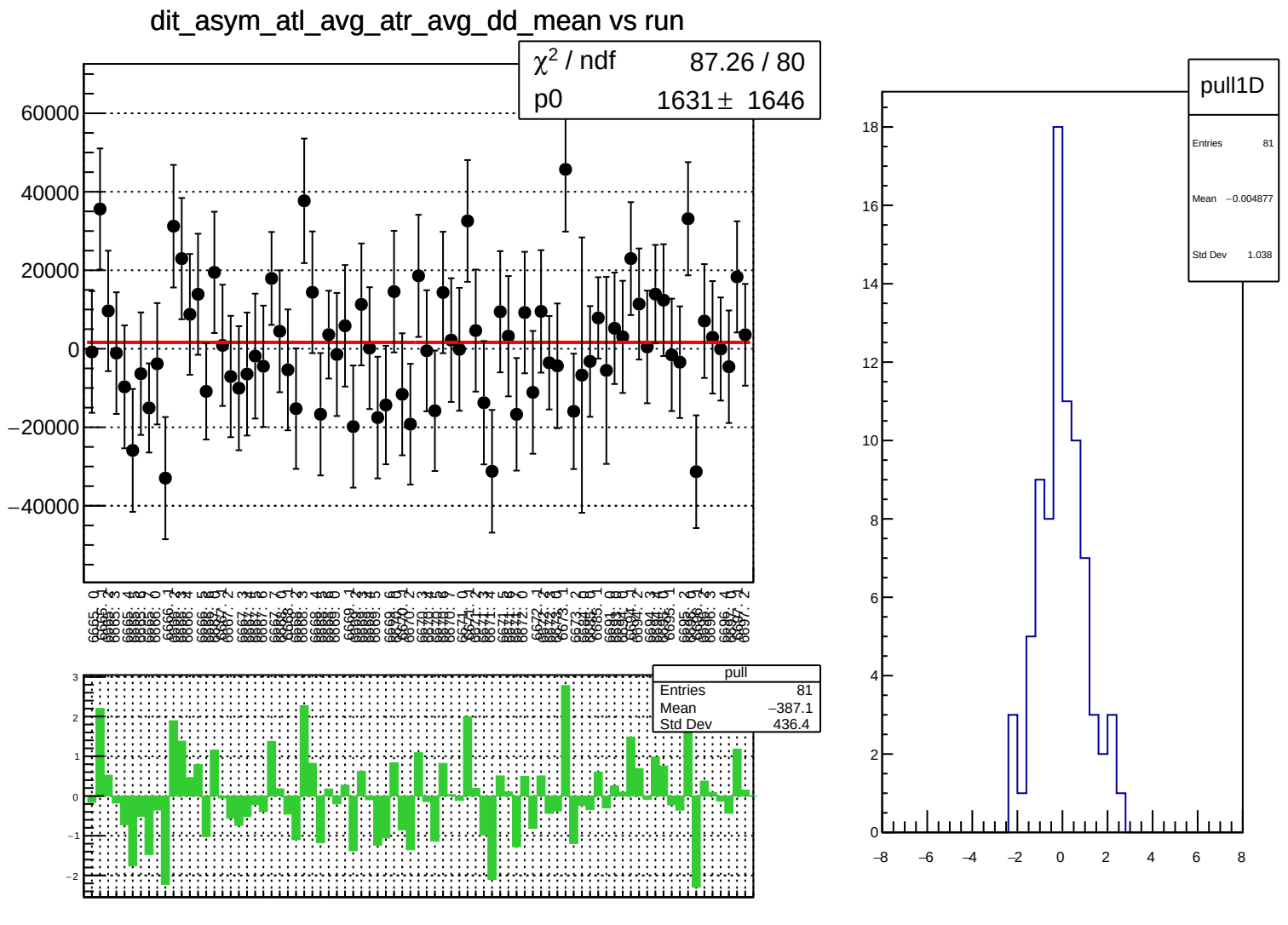

pull1D
Entries 81
Mean 0.01035
Std Dev 0.8389


asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.758e+04 / 80
p0 5529 ± 4.481
7000
6500
6000
5500
5000
4500
4000

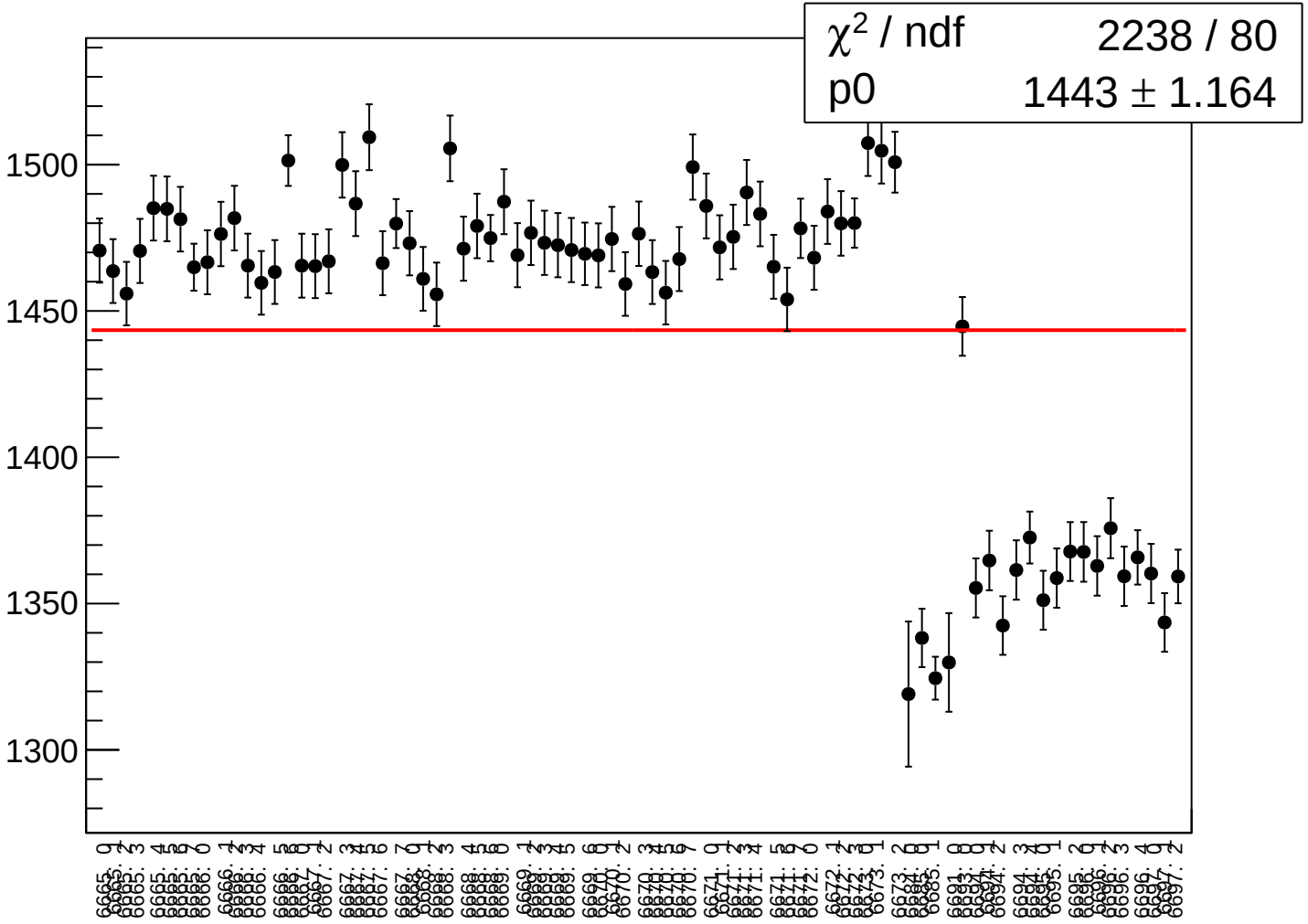

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 59.89 / 80
p0 −1.125e+04 ± 6529
pull
Entries 81
Mean 176.3
Std Dev 88.74

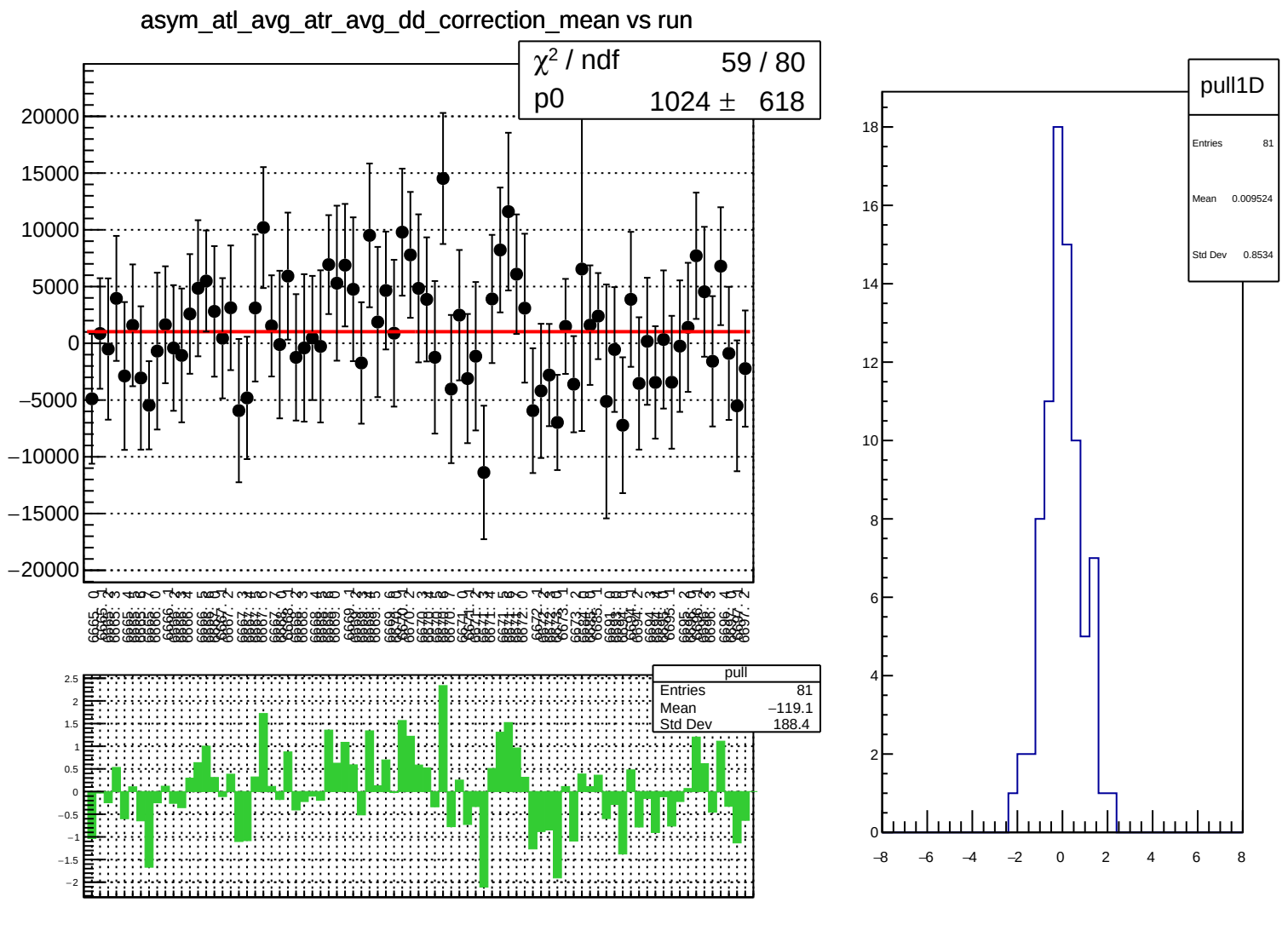

pull1D
Entries 81
Mean 0.008691
Std Dev 0.8598

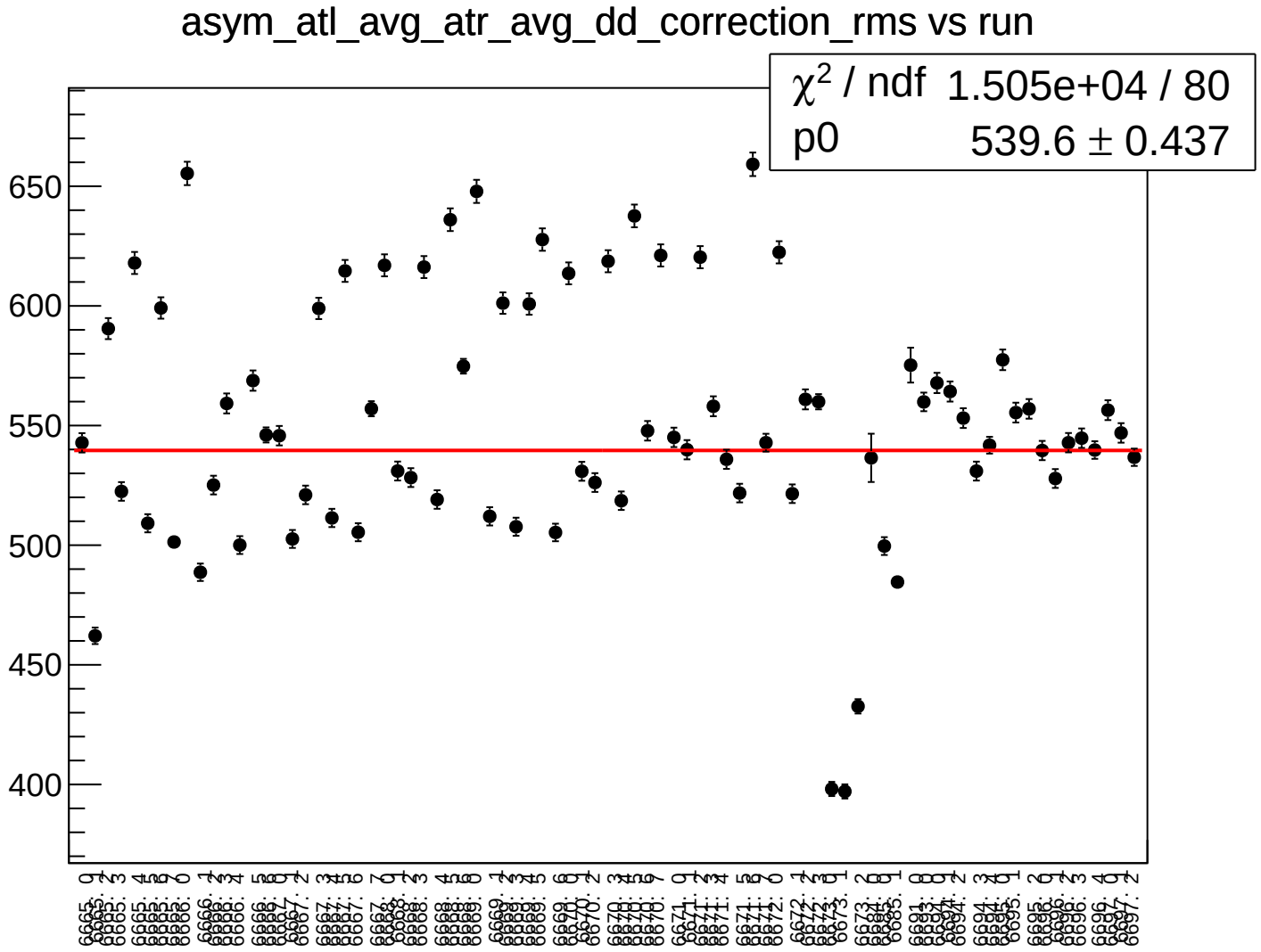

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 9831 / 80
p0 5711 ± 4.617
7000
6500
6000
5500
5000

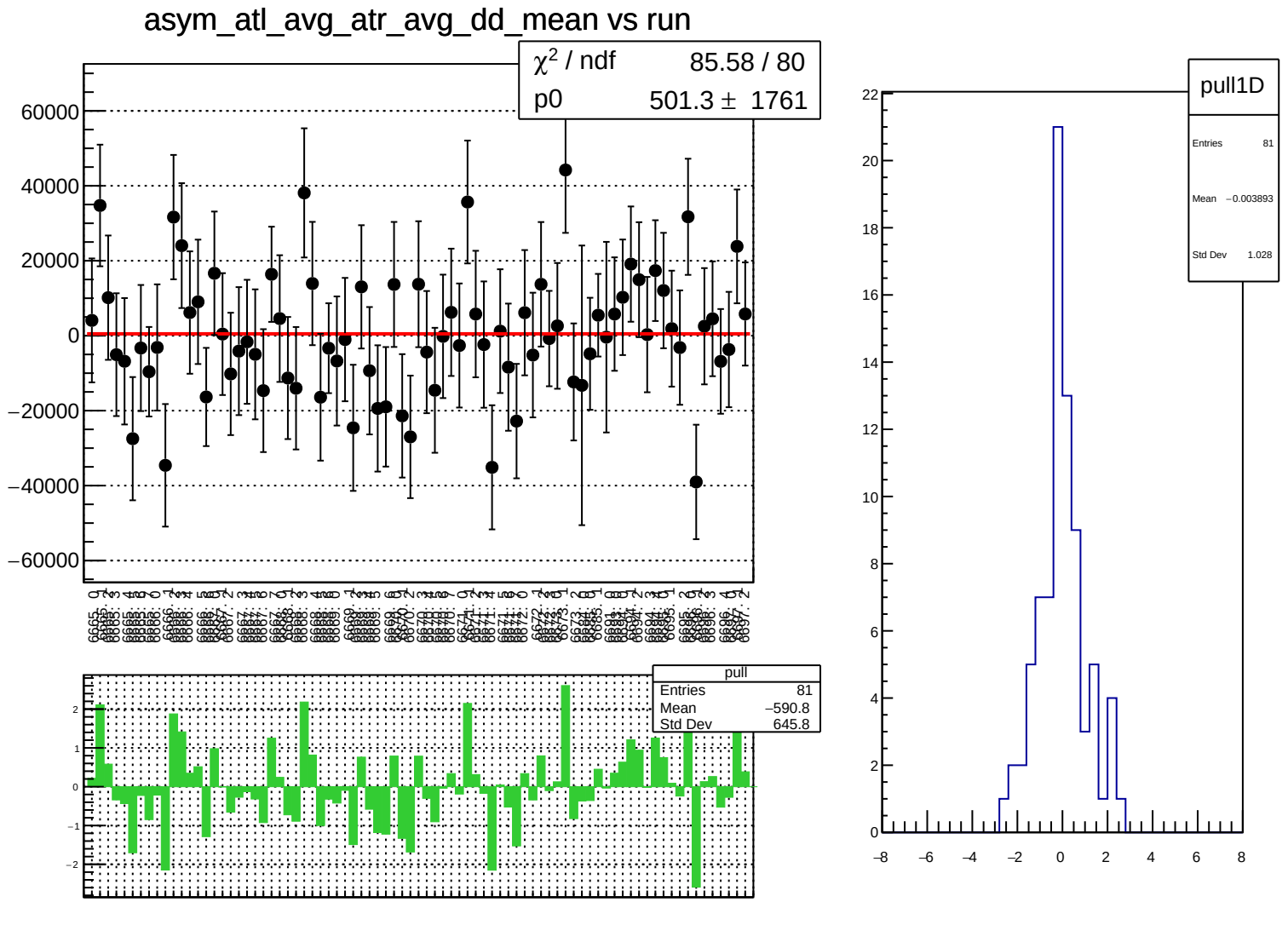

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 87.26 / 80
p0 1631 ± 1646
pull
Entries 81
Mean −387.1
Std Dev 436.4
pull1D
Entries 81
Mean −0.004877
Std Dev 1.038

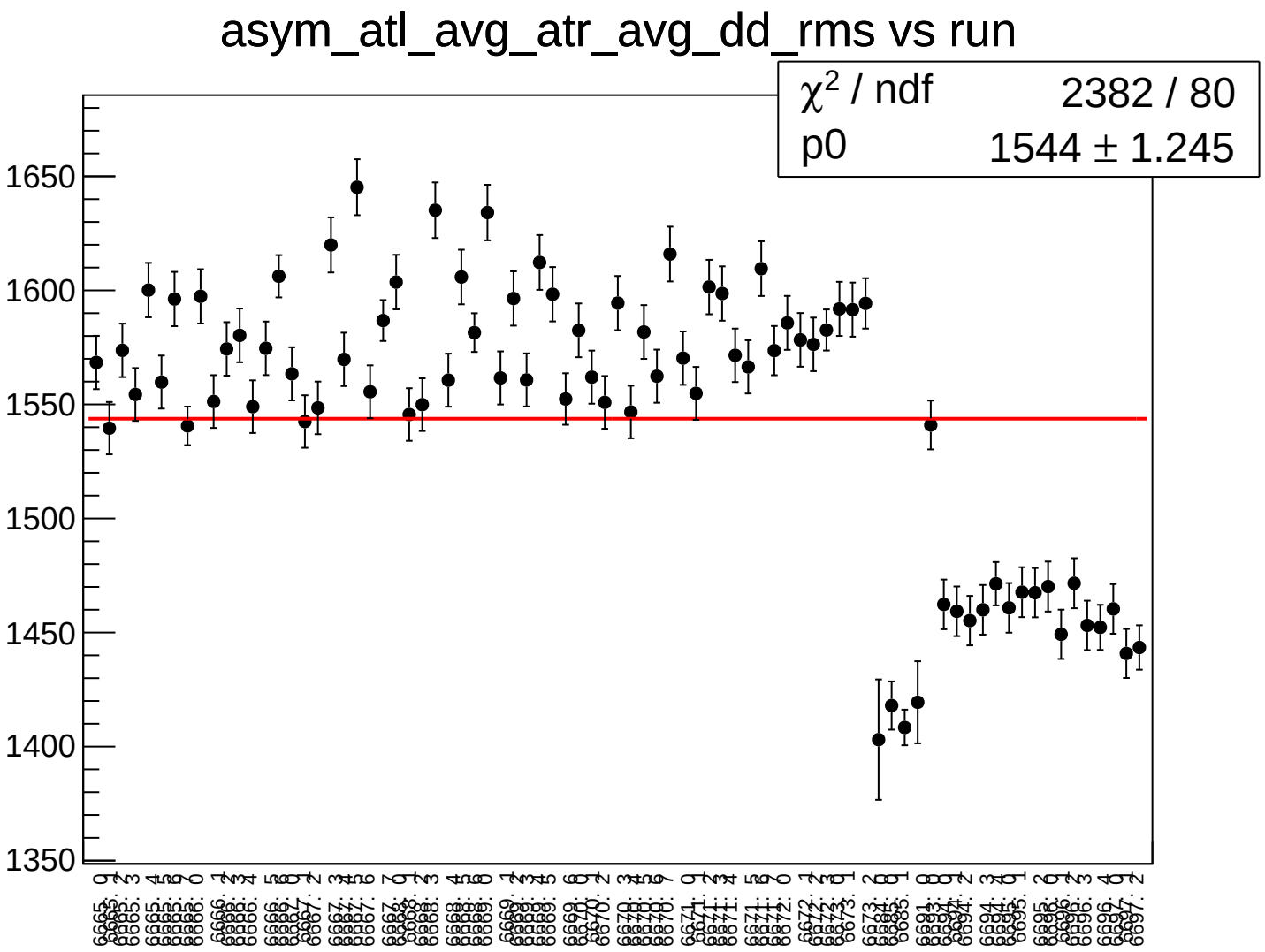
dit_asym_atl_avg_atr_avg_dd_rms vs run

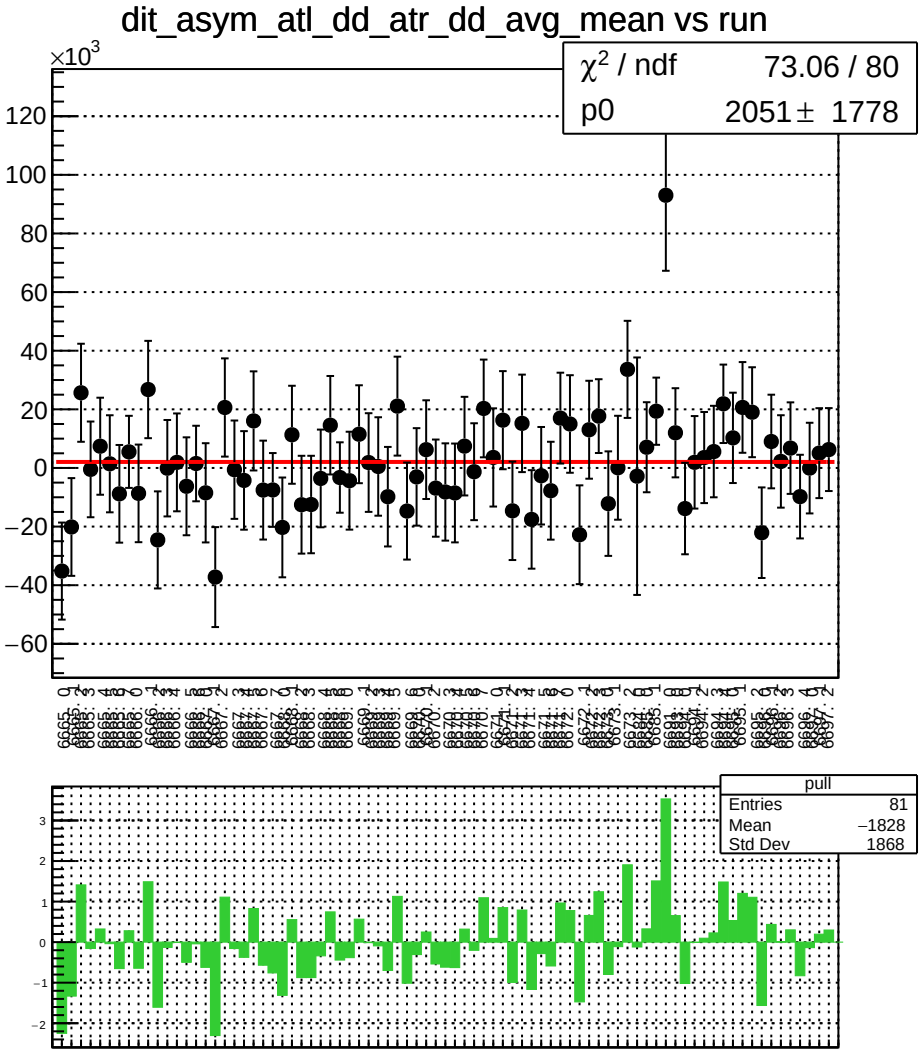


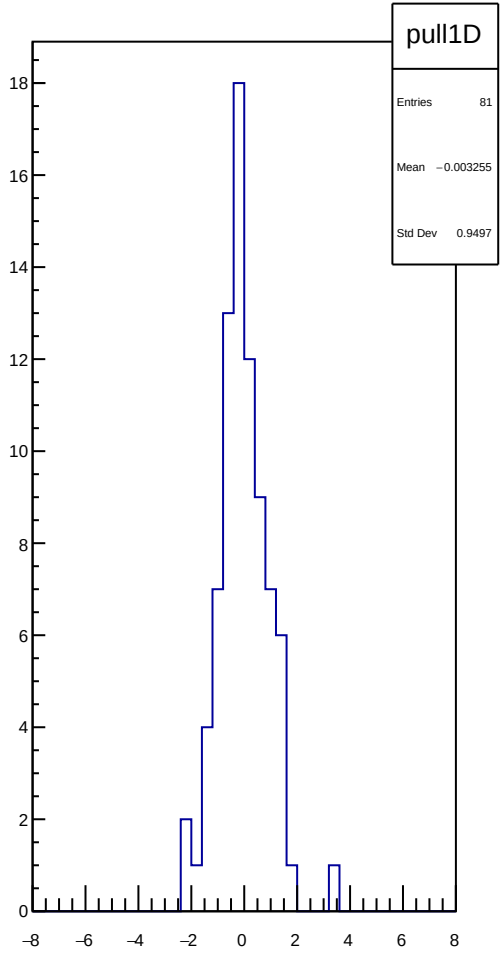

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 59 / 80
p0 1024 ± 618
pull
Entries 81
Mean −119.1
Std Dev 188.4
pull1D
Entries 81
Mean 0.009524
Std Dev 0.8534

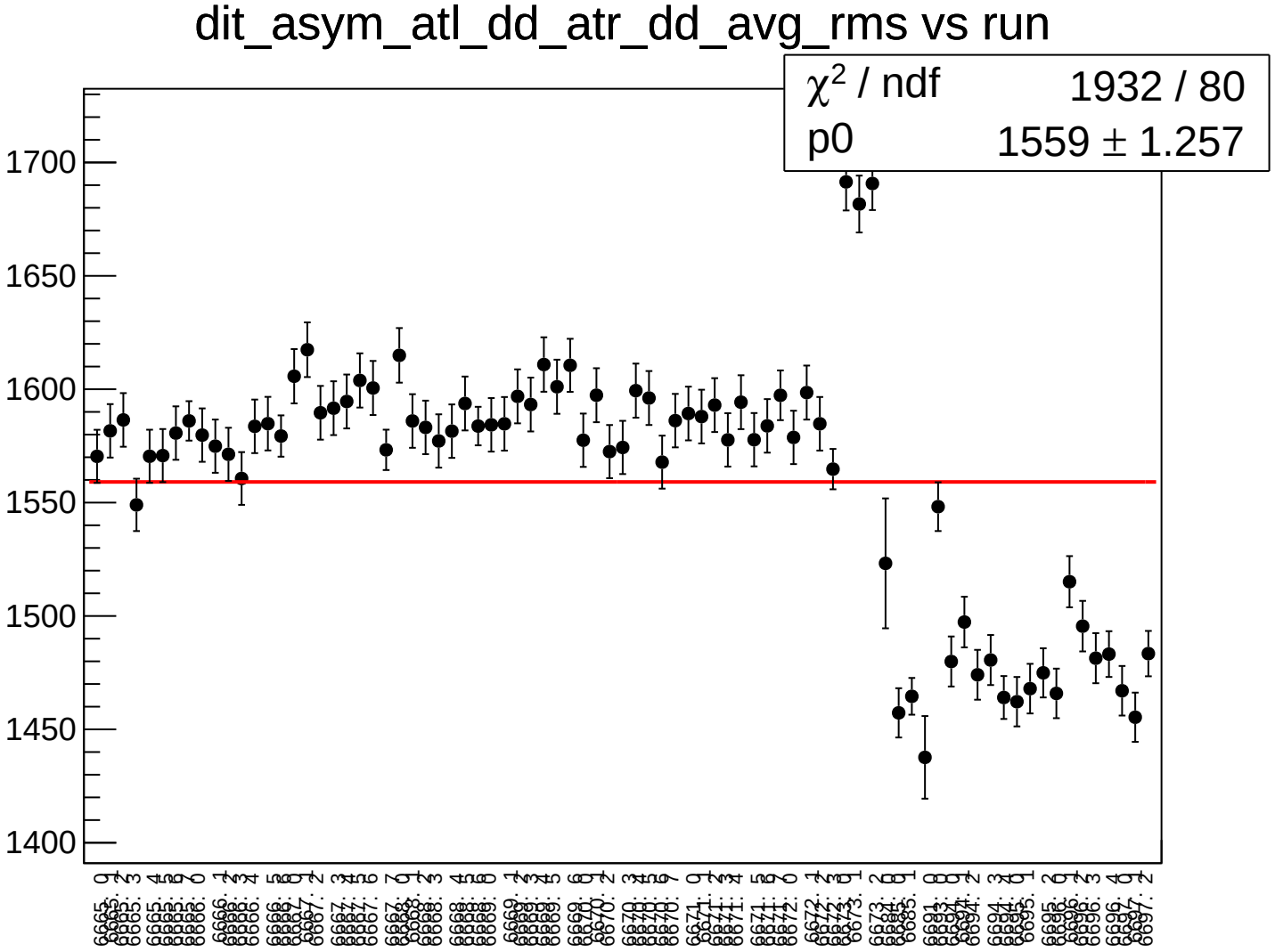

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.505e+04 / 80
p0 539.6 ± 0.437
650
600
550
500
450
400

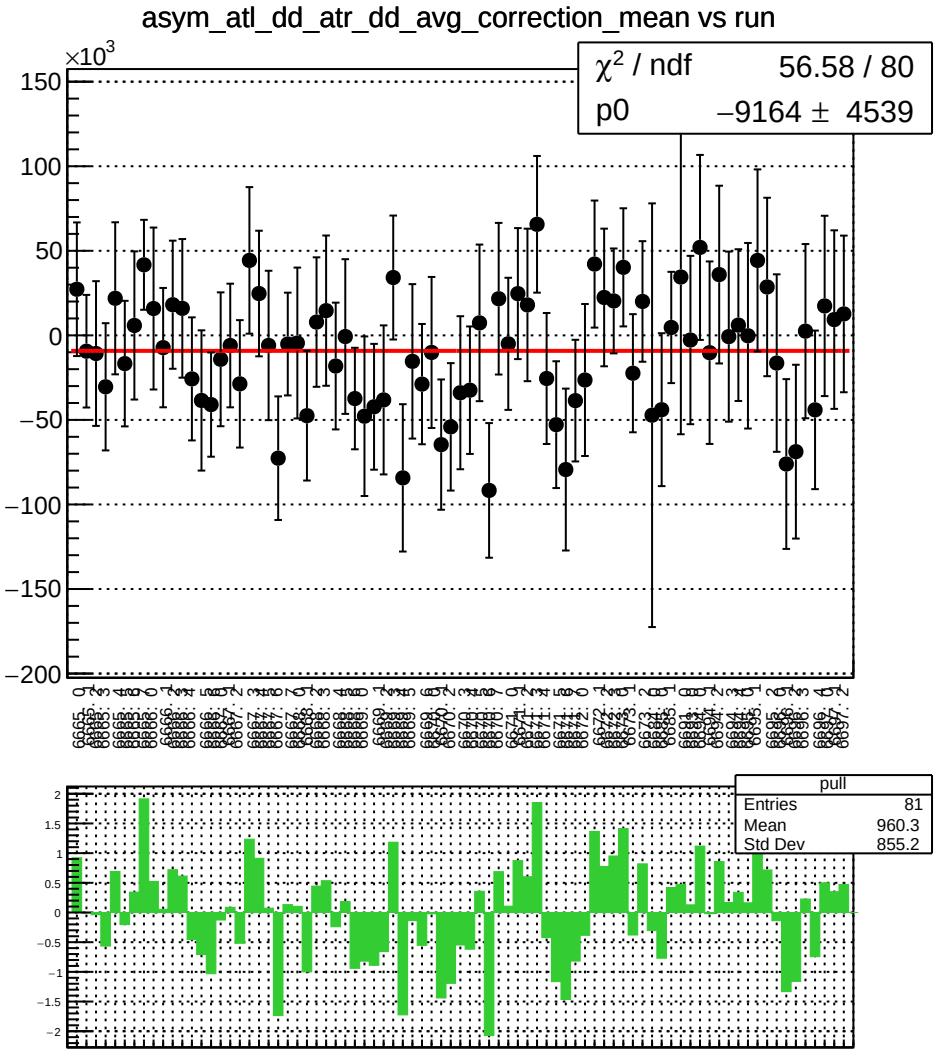

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.58 / 80
p0 501.3 ± 1761
pull
Entries 81
Mean −590.8
Std Dev 645.8
pull1D
Entries 81
Mean −0.003893
Std Dev 1.028

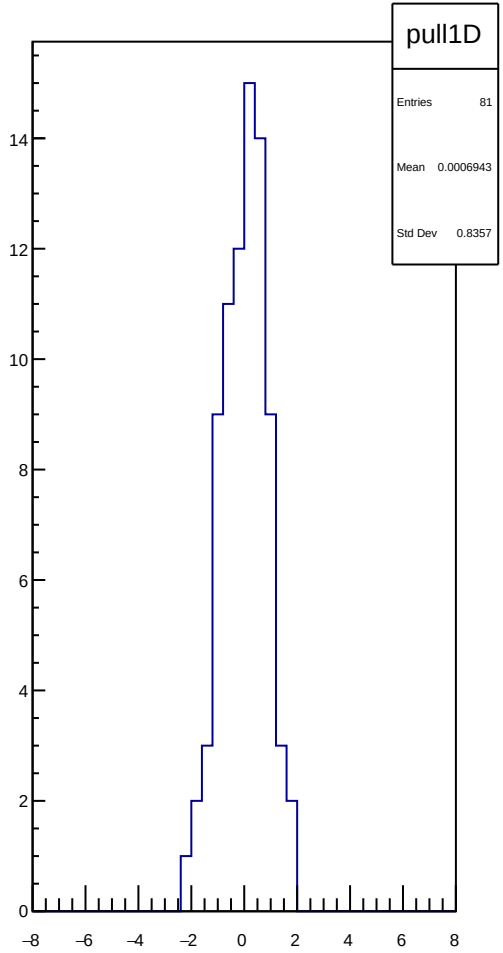

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2382 / 80
p0 1544 ± 1.245
1650
1600
1550
1500
1450
1400
1350

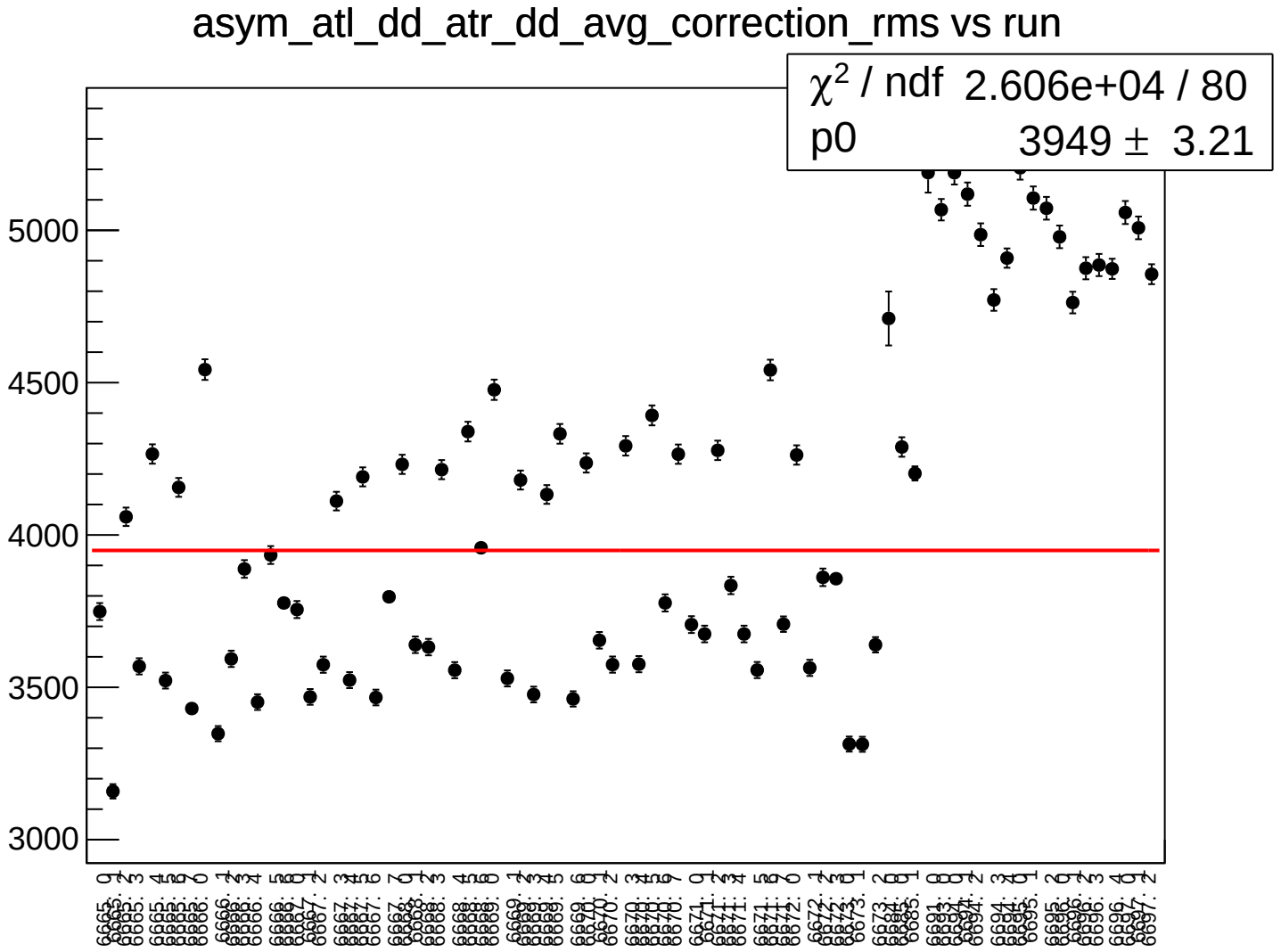

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.06 / 80
p0 2051 ± 1778
pull
Entries 81
Mean −1828
Std Dev 1868

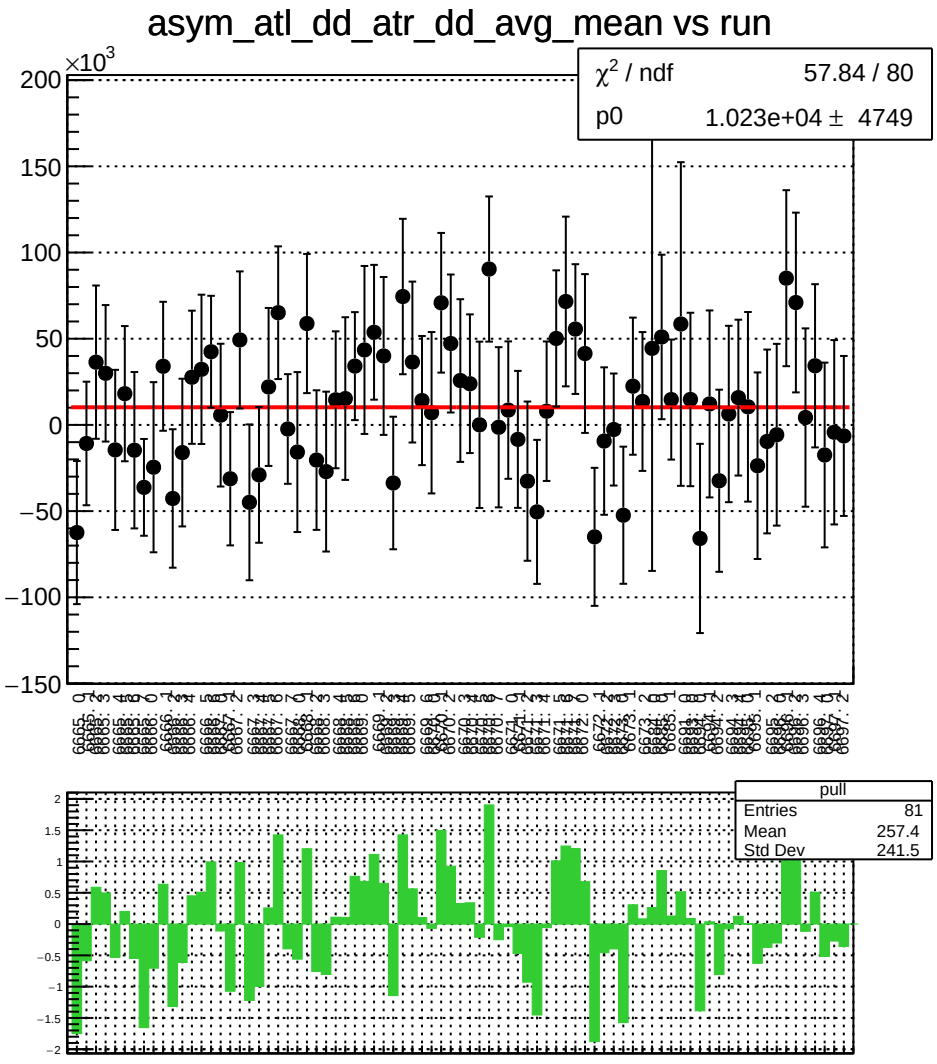

pull1D
Entries 81
Mean −0.003255
Std Dev 0.9497

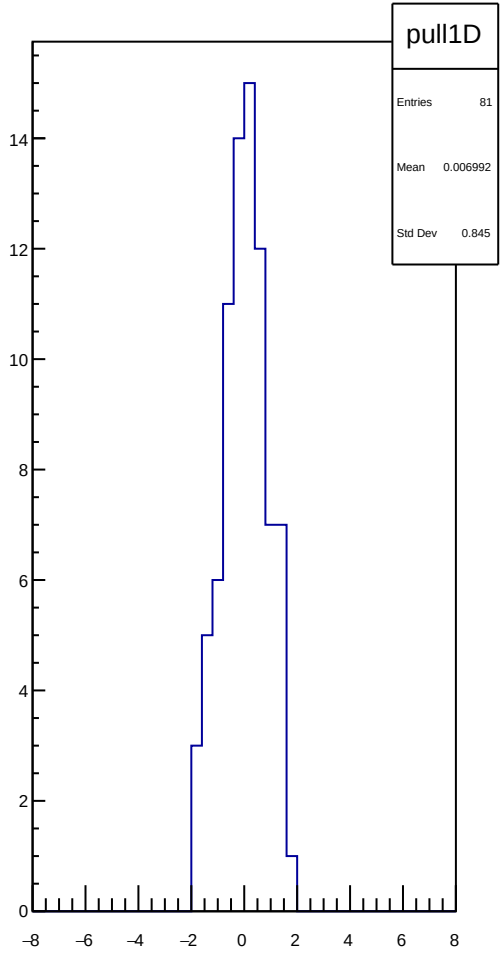

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1932 / 80
p0 1559 ± 1.257
1700
1650
1600
1550
1500
1450
1400

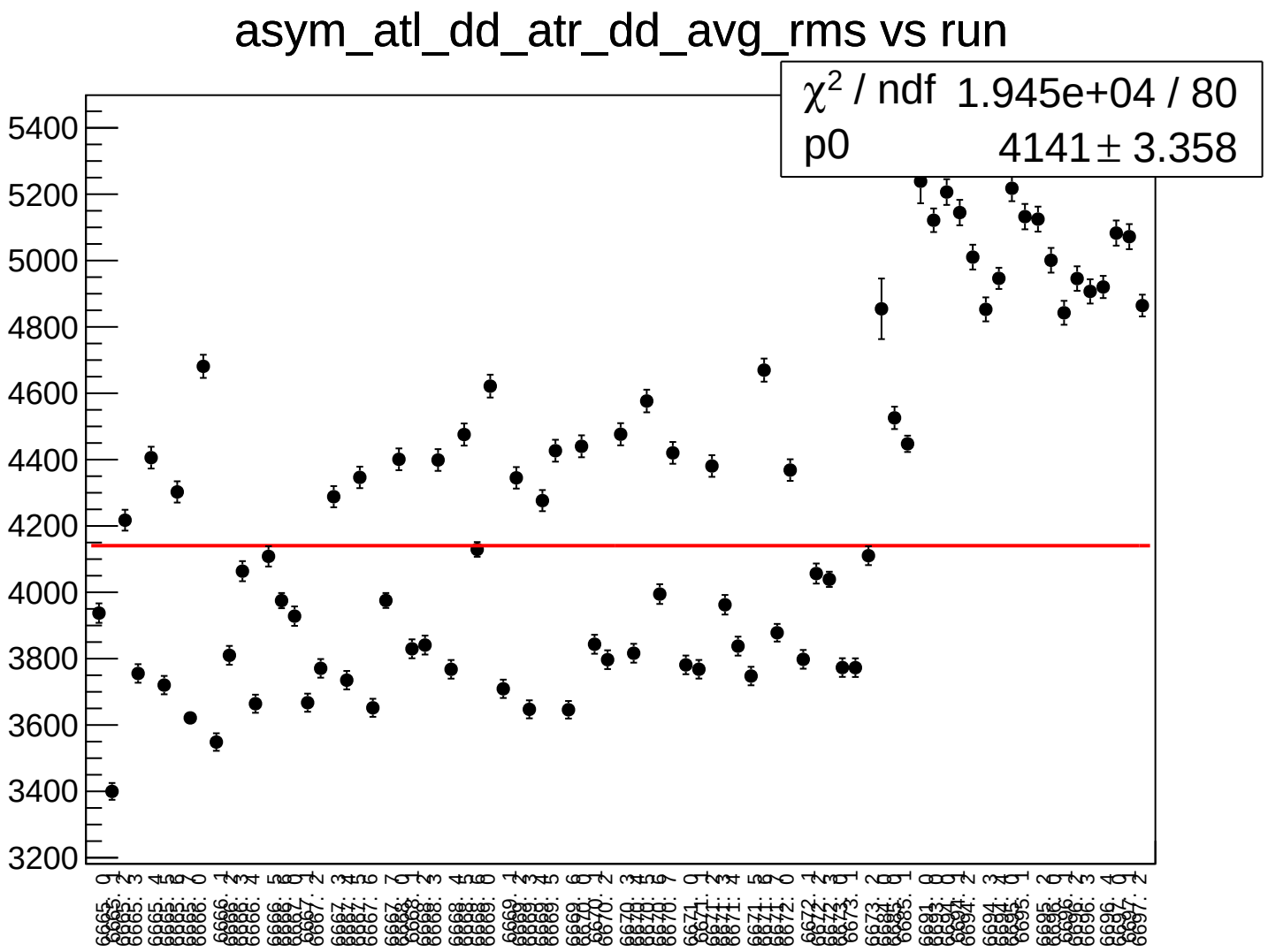

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 56.58 / 80
p0 −9164 ± 4539
pull
Entries 81
Mean 960.3
Std Dev 855.2

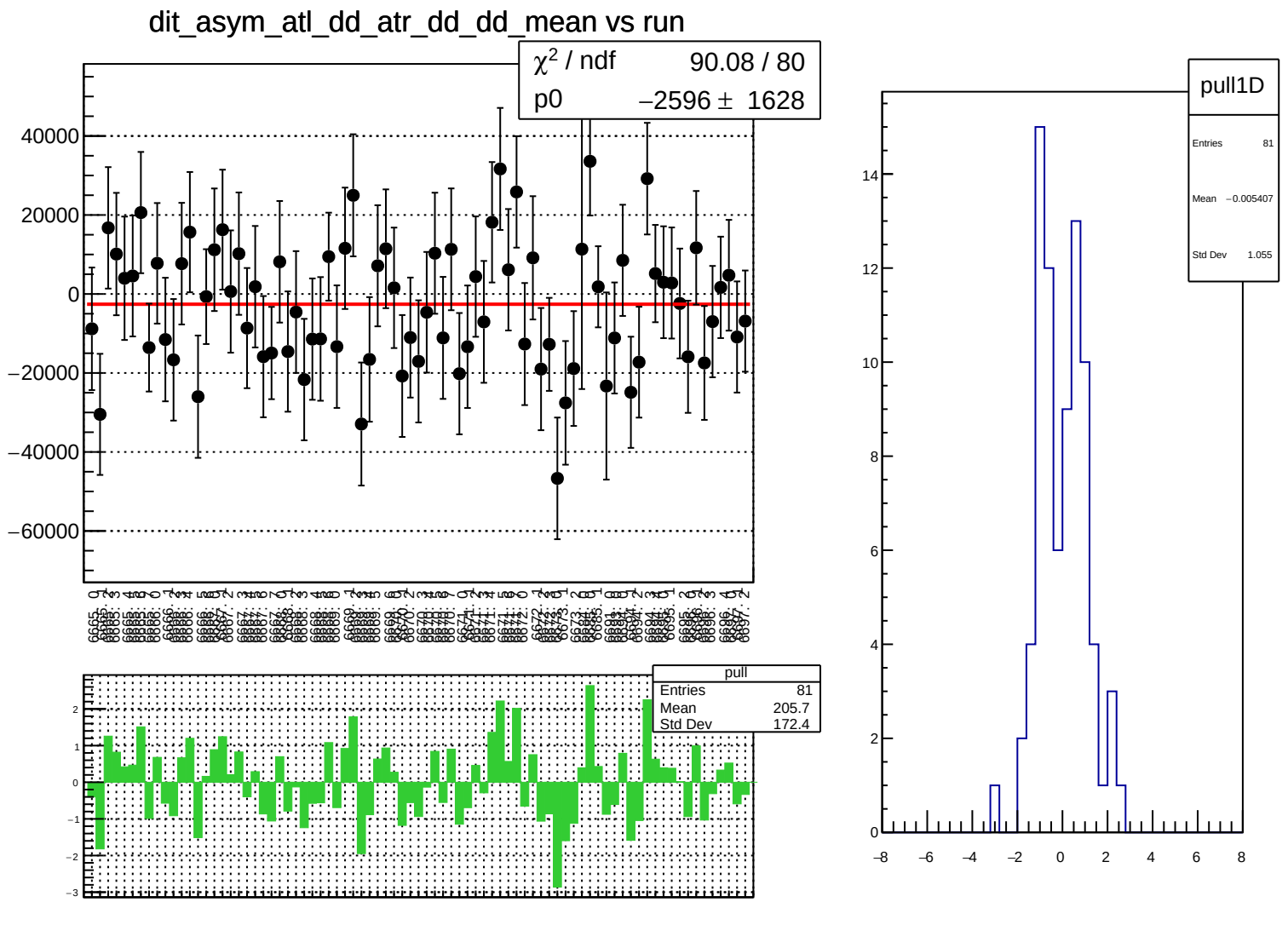

pull1D
Entries 81
Mean 0.0006943
Std Dev 0.8357


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.606e+04 / 80
p0 3949 ± 3.21
5000
4500
4000
3500
3000

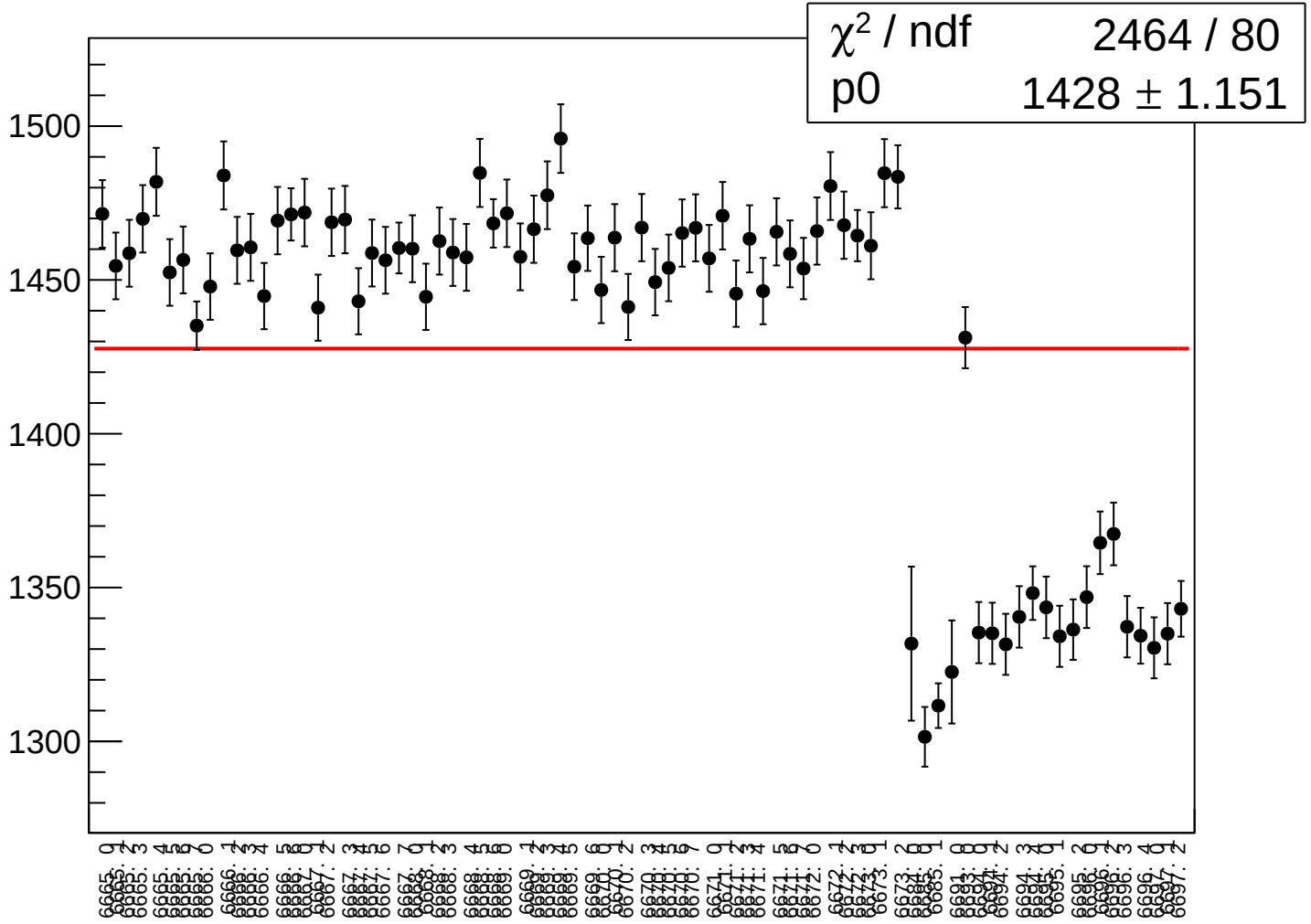

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 57.84 / 80
p0 1.023e+04 ± 4749
pull
Entries 81
Mean 257.4
Std Dev 241.5

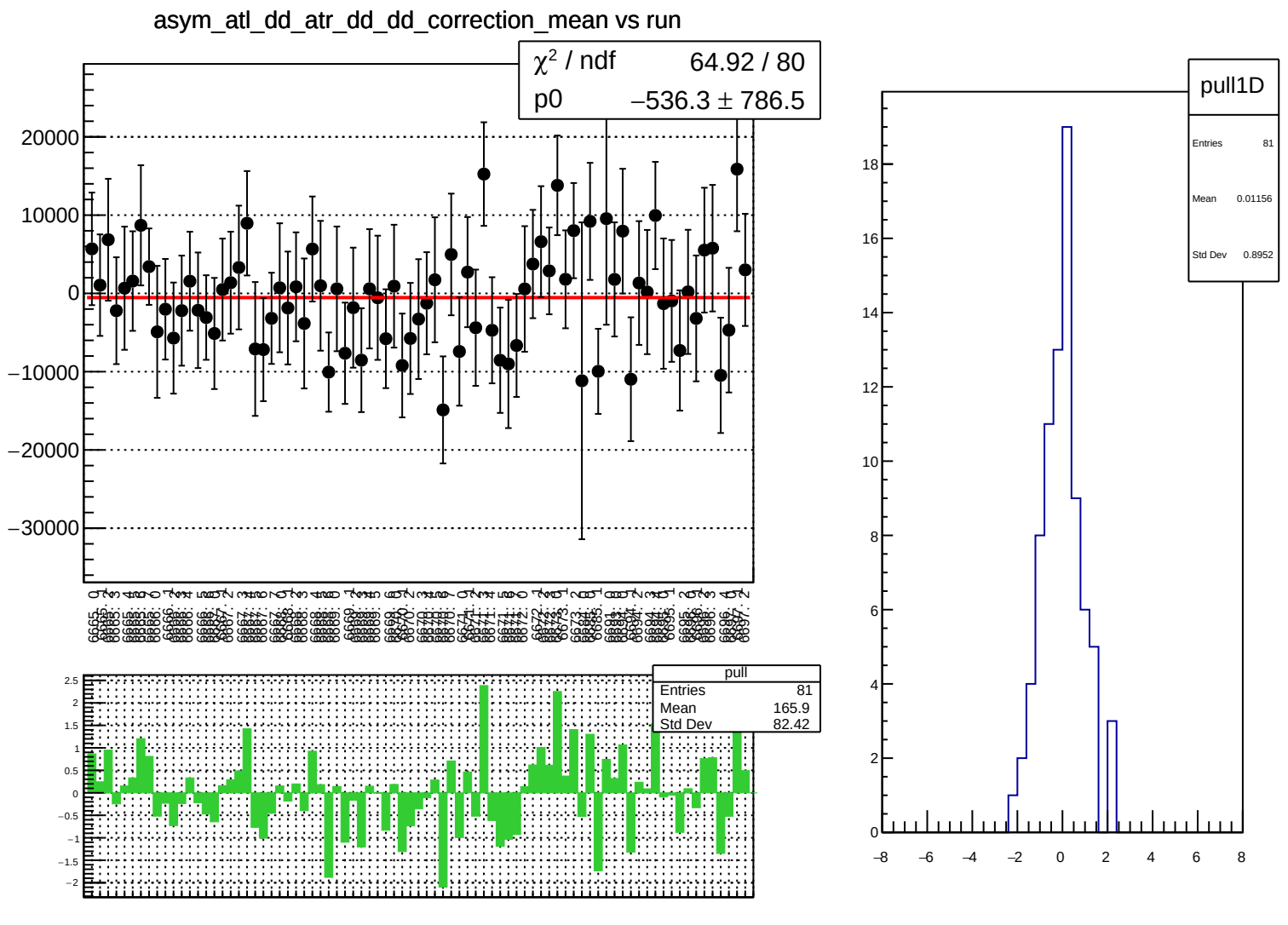

pull1D
Entries 81
Mean 0.006992
Std Dev 0.845

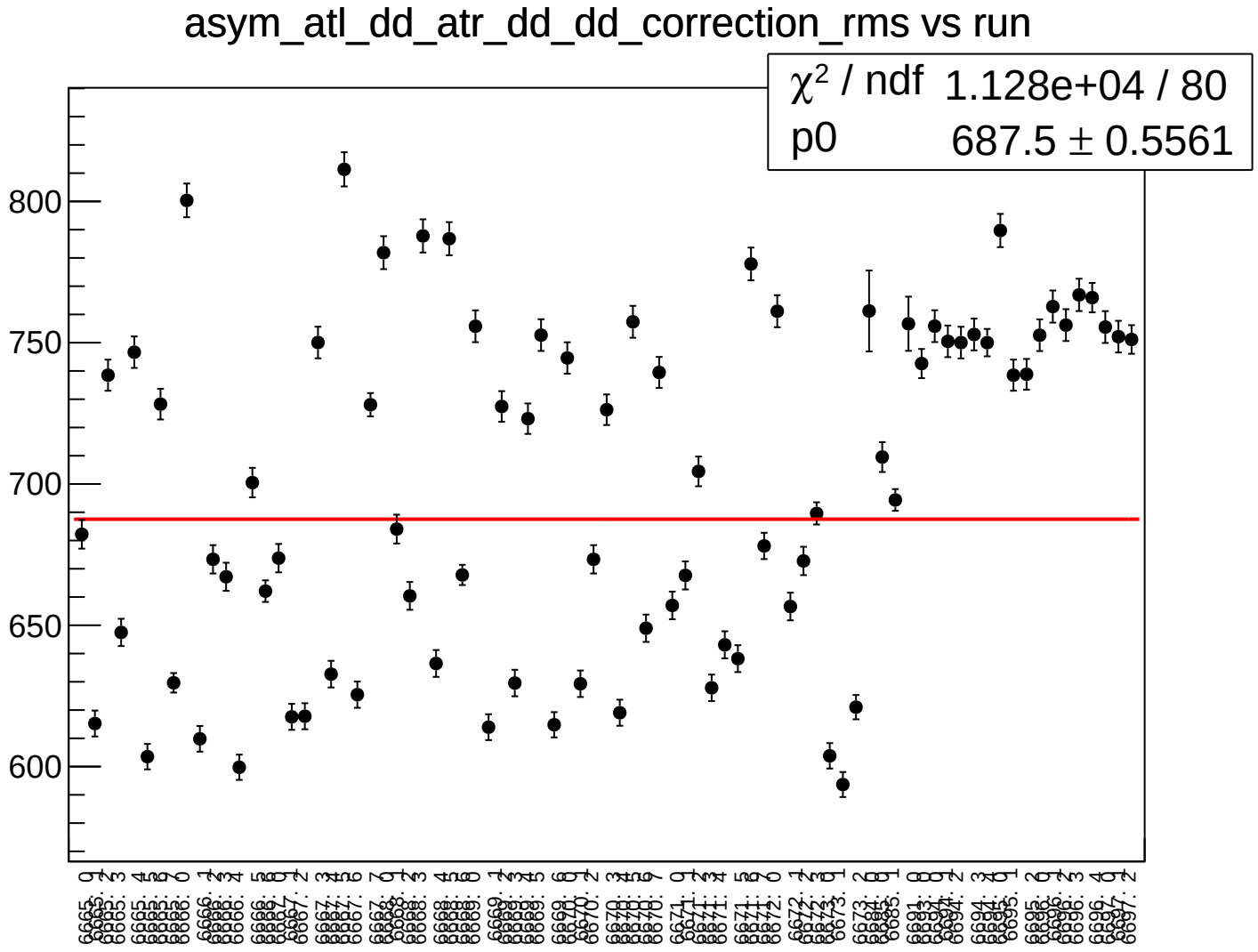

asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.945e+04 / 80
p0 4141 ± 3.358
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

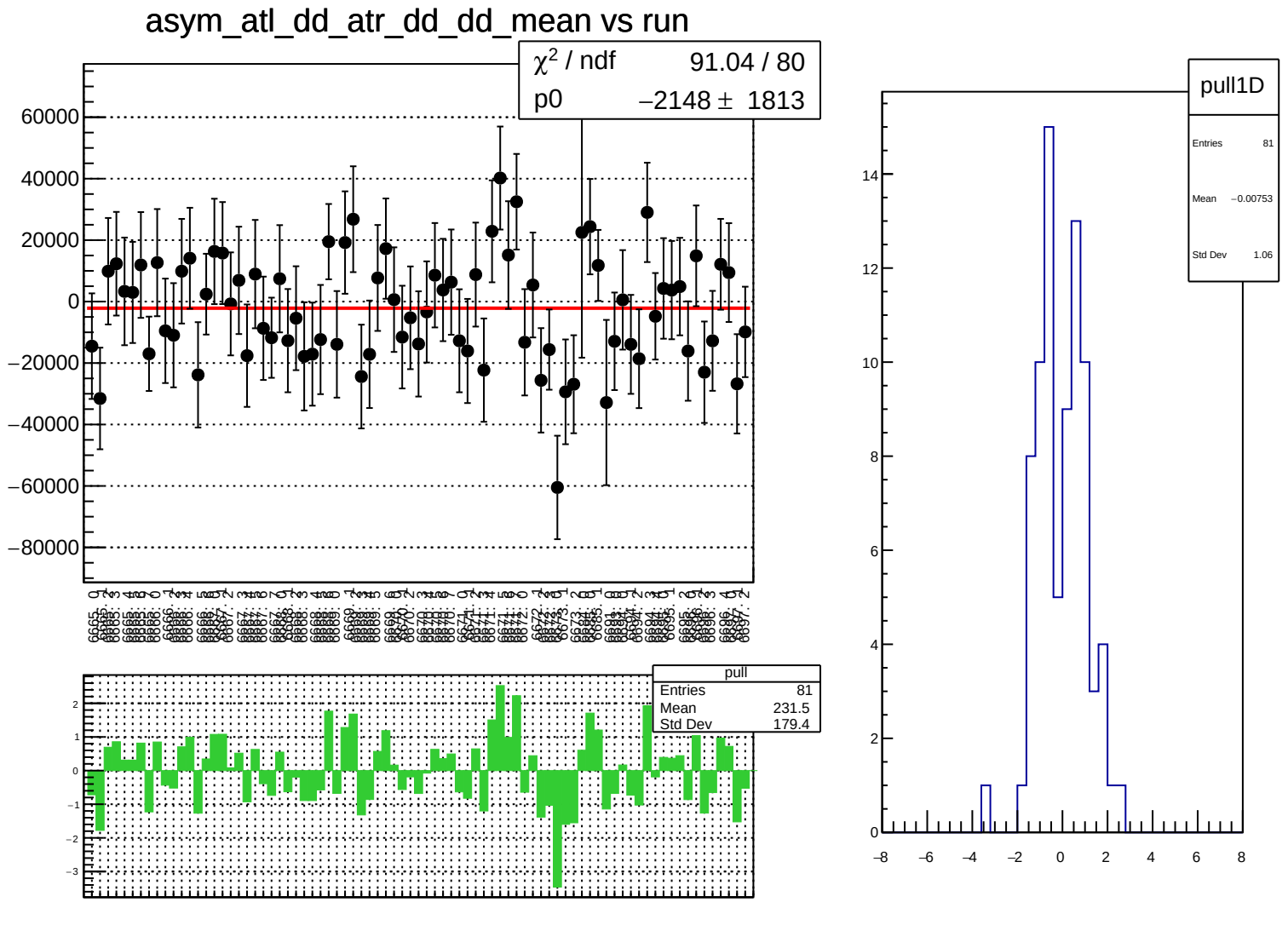

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 90.08 / 80
p0 −2596 ± 1628
pull
Entries 81
Mean 205.7
Std Dev 172.4
pull1D
Entries 81
Mean −0.005407
Std Dev 1.055

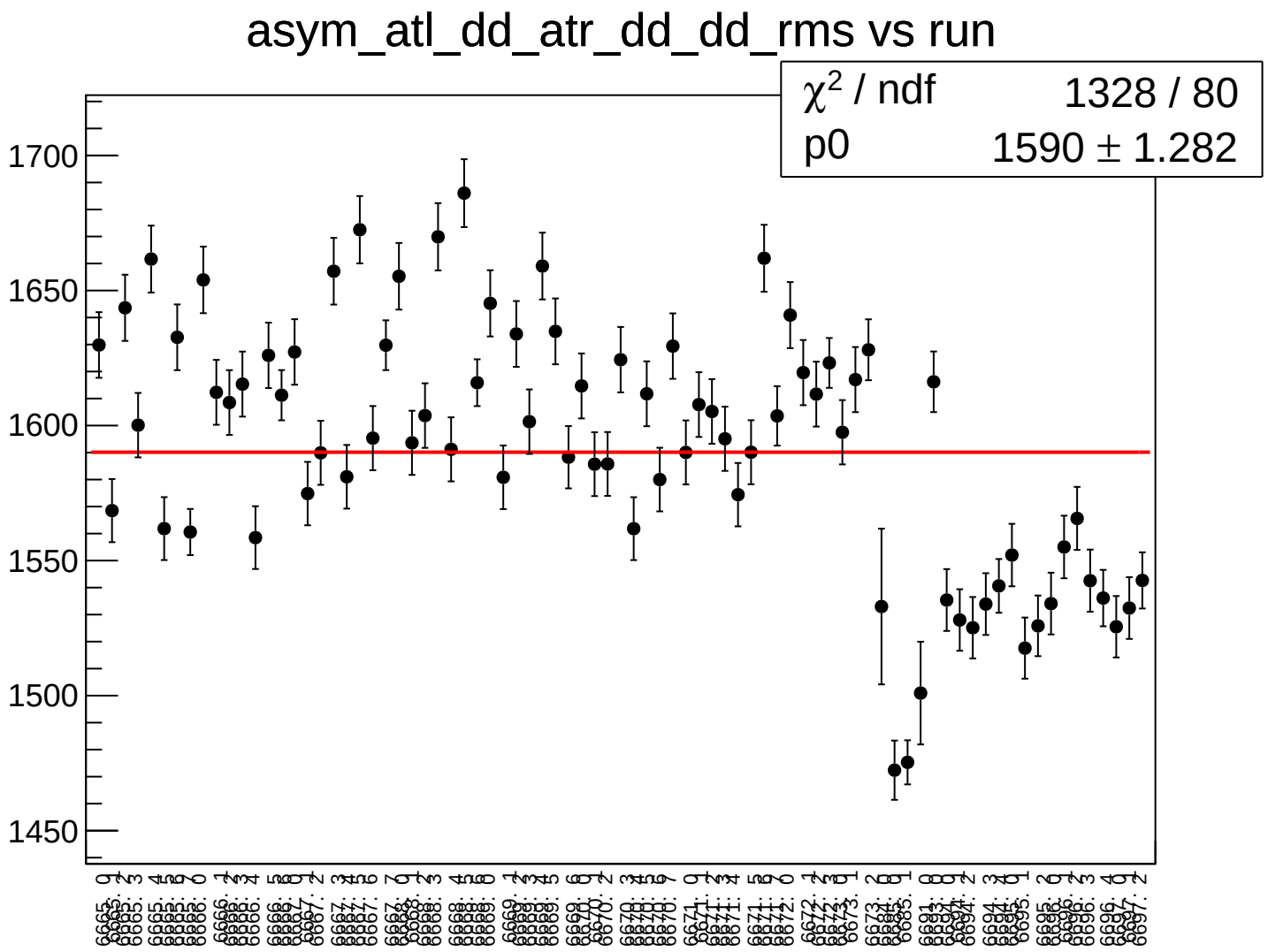
dit_asym_atl_dd_atr_dd_dd_rms vs run

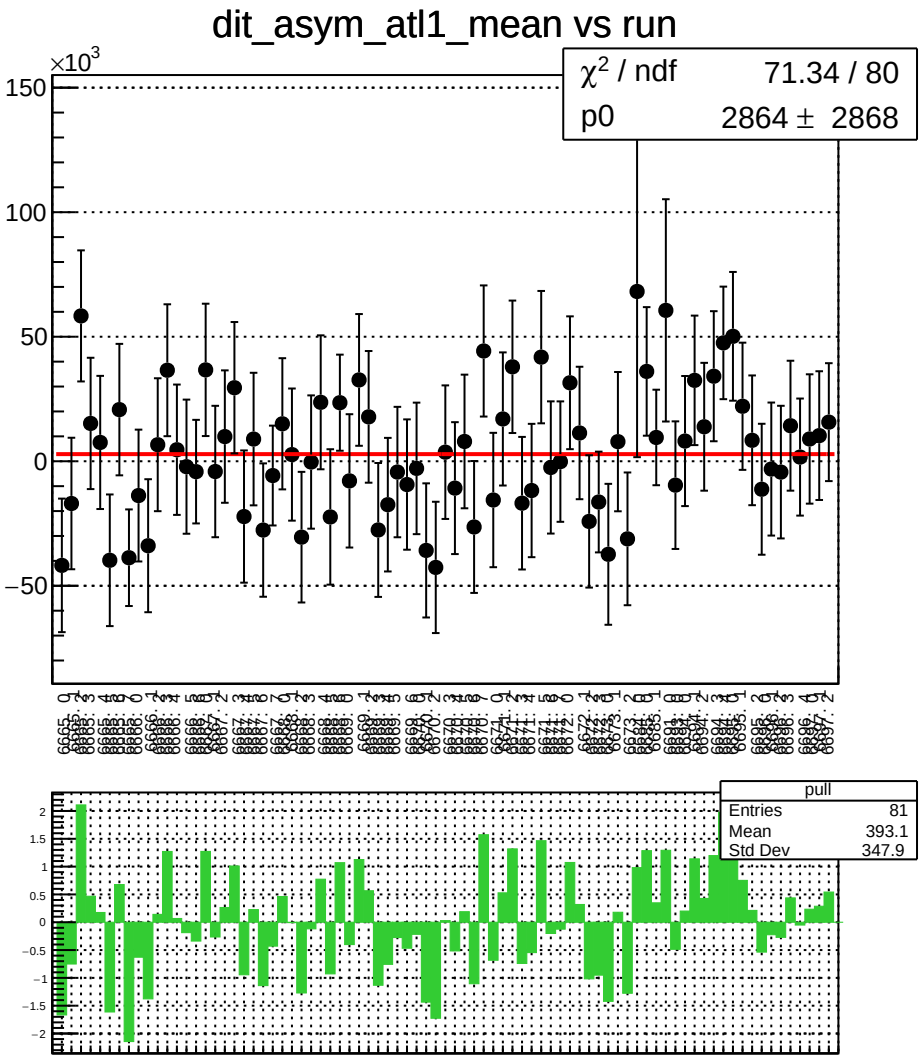


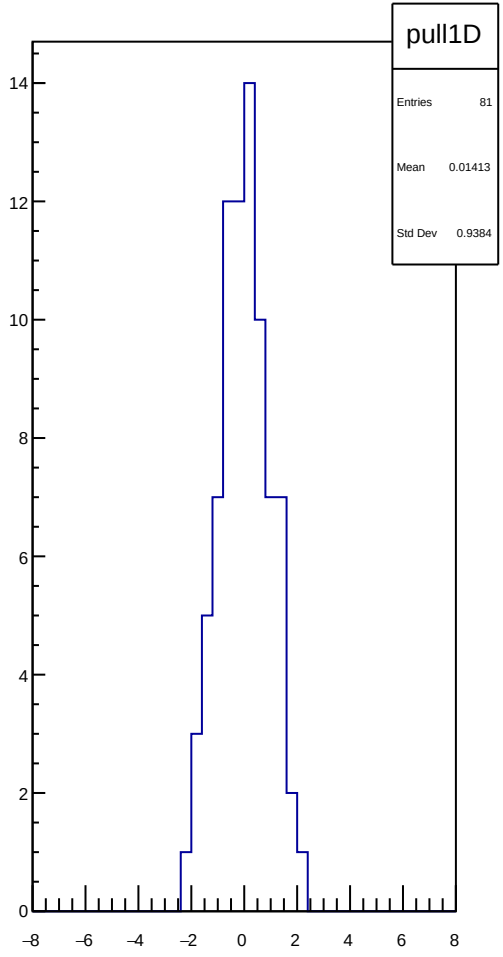

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 64.92 / 80
p0 −536.3 ± 786.5
pull
Entries 81
Mean 165.9
Std Dev 82.42
pull1D
Entries 81
Mean 0.01156
Std Dev 0.8952

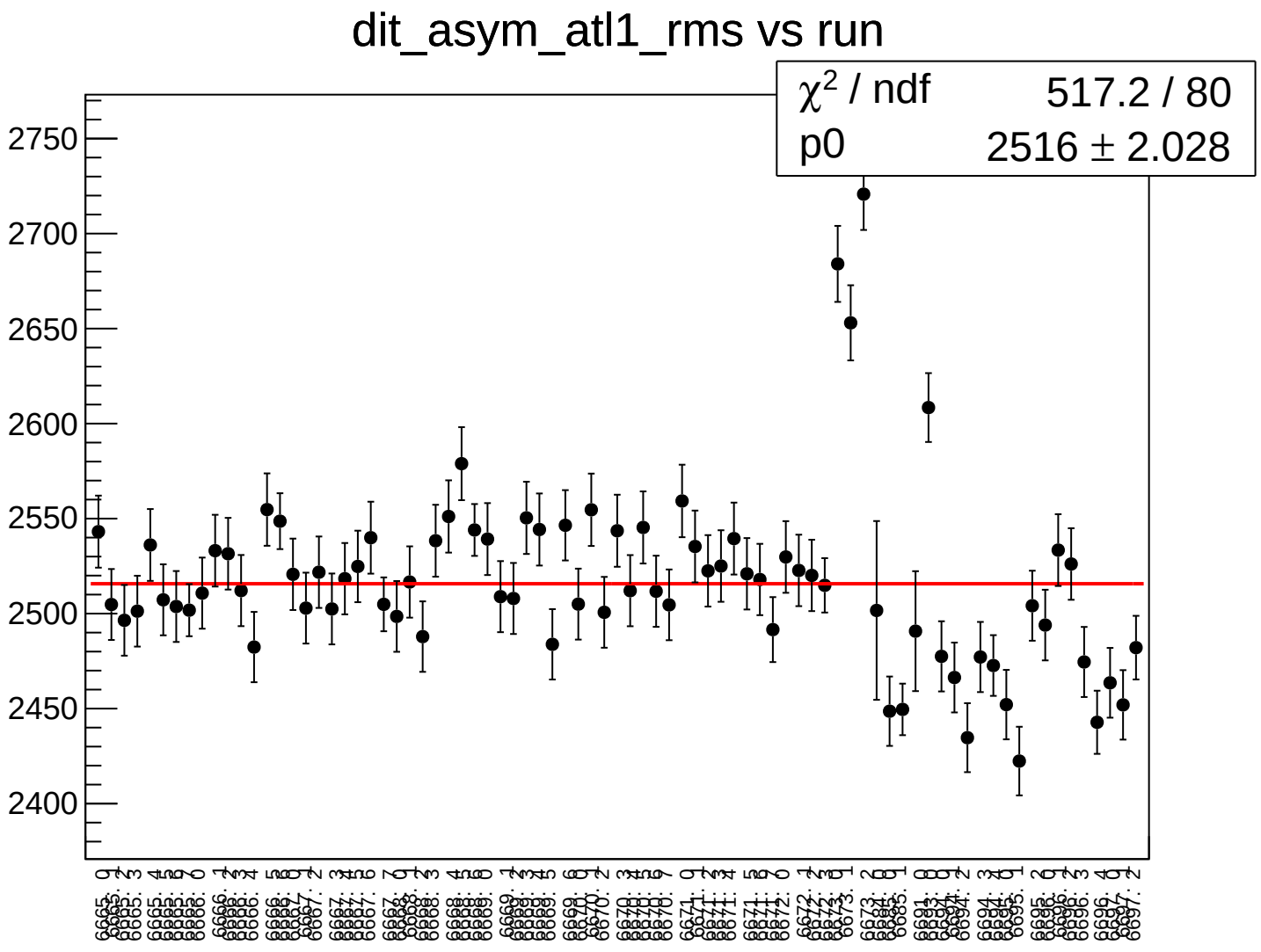

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.128e+04 / 80
p0 687.5 ± 0.5561
800
750
700
650
600

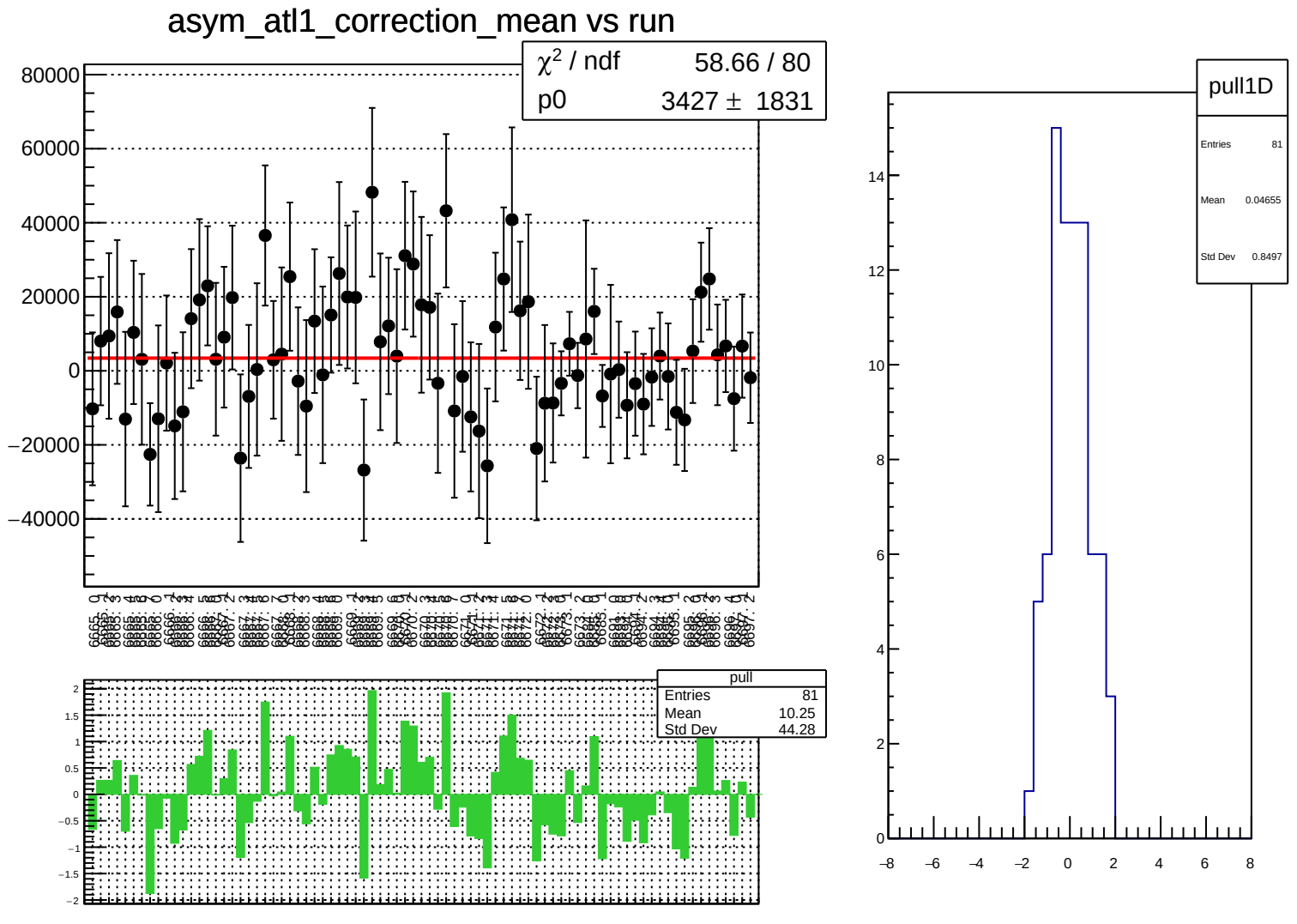

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 91.04 / 80
p0 −2148 ± 1813
pull
Entries 81
Mean 231.5
Std Dev 179.4
pull1D
Entries 81
Mean −0.00753
Std Dev 1.06


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1328 / 80
p0 1590 ± 1.282
1700
1650
1600
1550
1500
1450

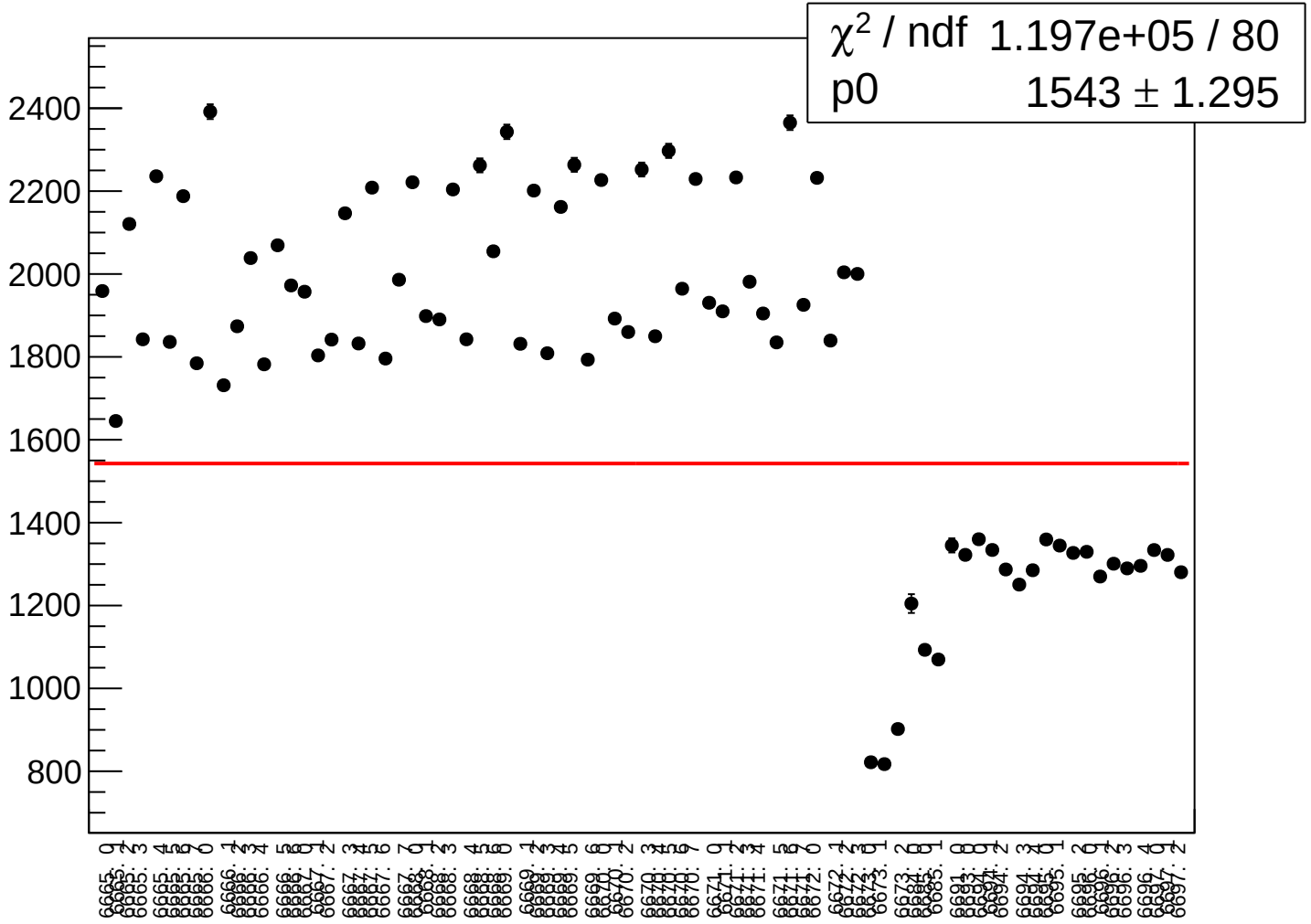

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.34 / 80
p0 2864 ± 2868
pull
Entries 81
Mean 393.1
Std Dev 347.9

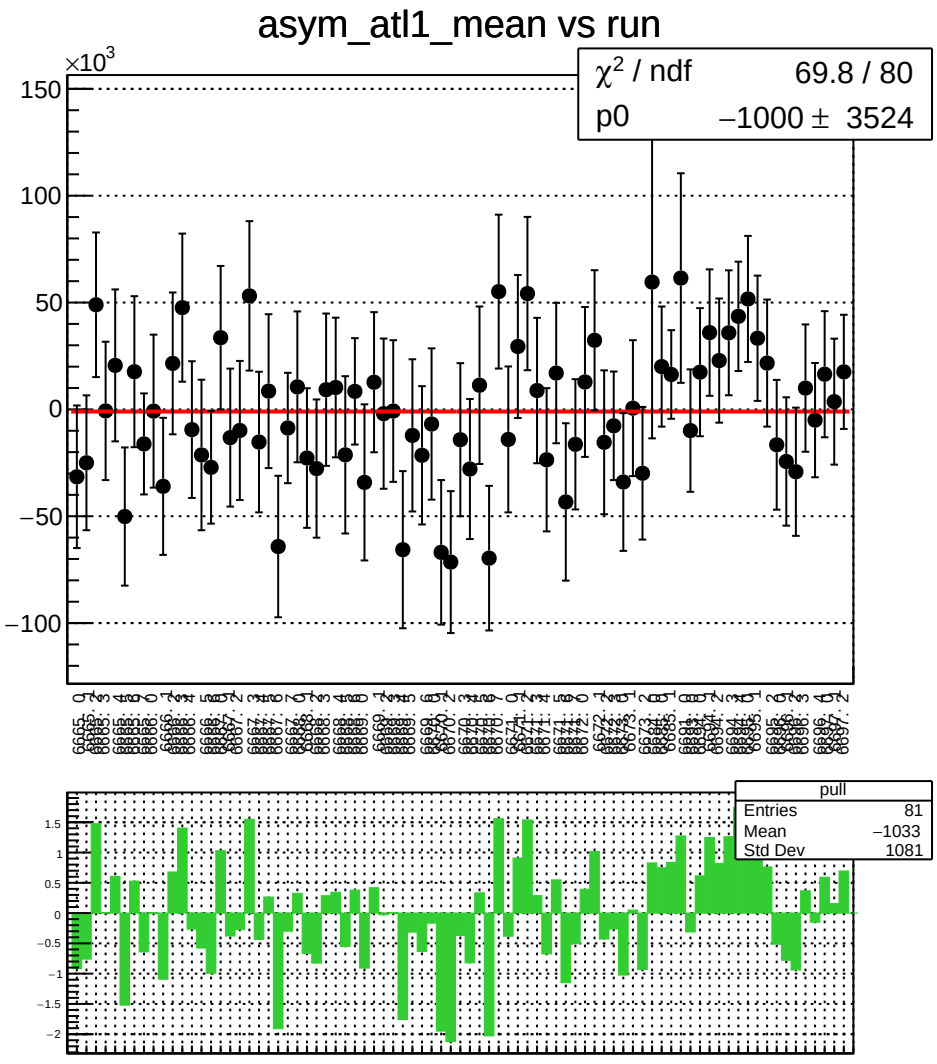

pull1D
Entries 81
Mean 0.01413
Std Dev 0.9384

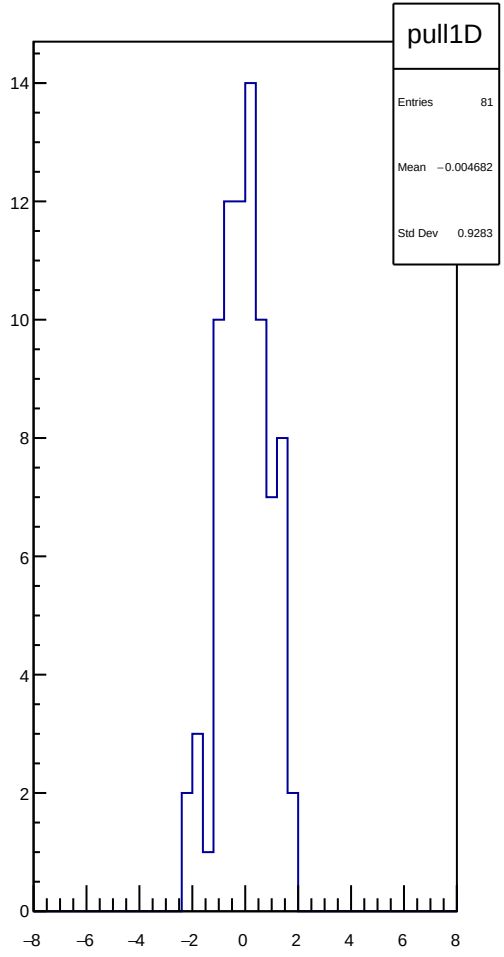

dit_asym_atl1_rms vs run
χ² / ndf 517.2 / 80
p0 2516 ± 2.028
2750
2700
2650
2600
2550
2500
2450
2400


asym_atl1_correction_mean vs run
χ² / ndf 58.66 / 80
p0 3427 ± 1831
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 10.25
Std Dev 44.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean 0.04655
Std Dev 0.8497
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

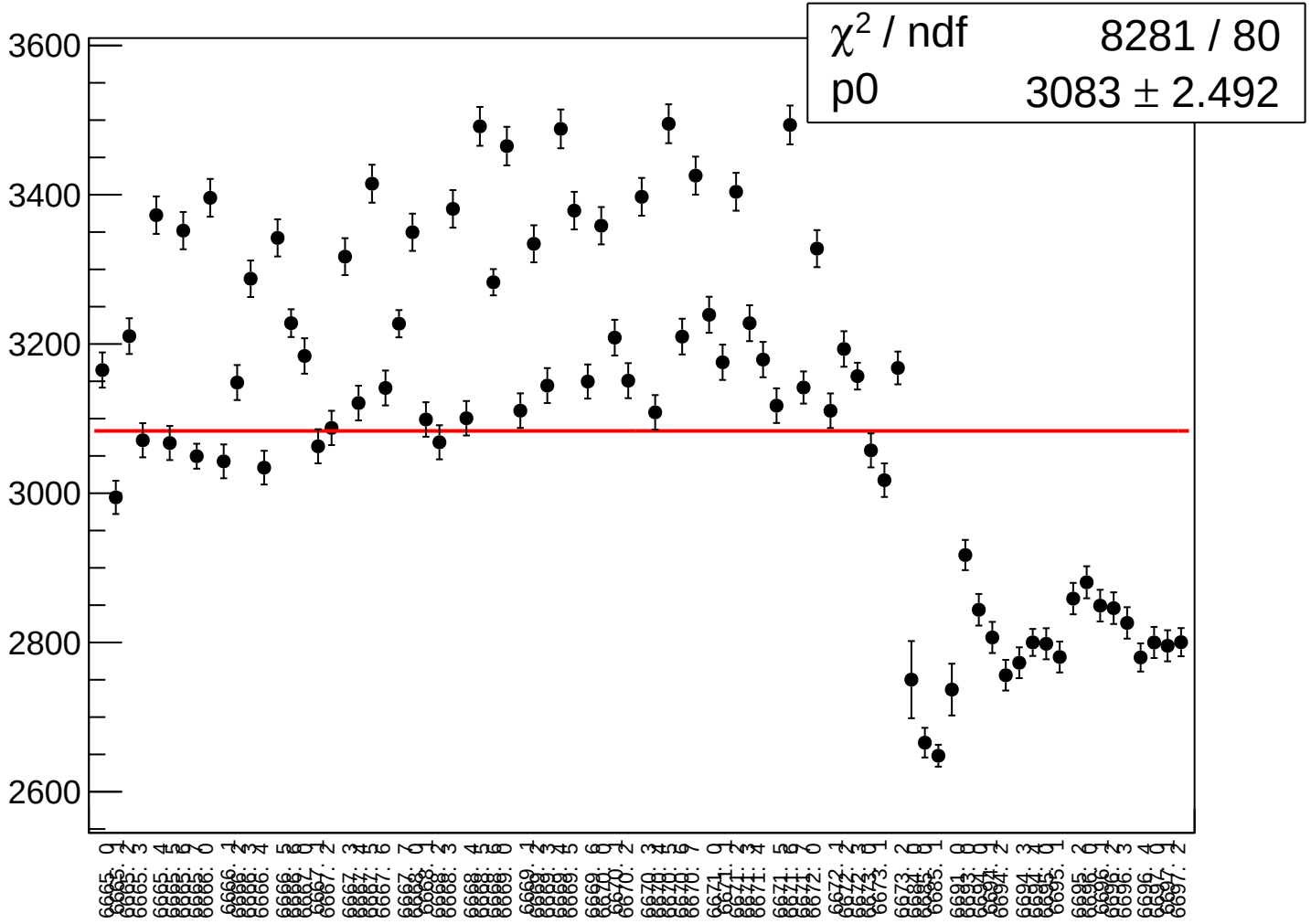
asym_atl1_correction_rms vs run

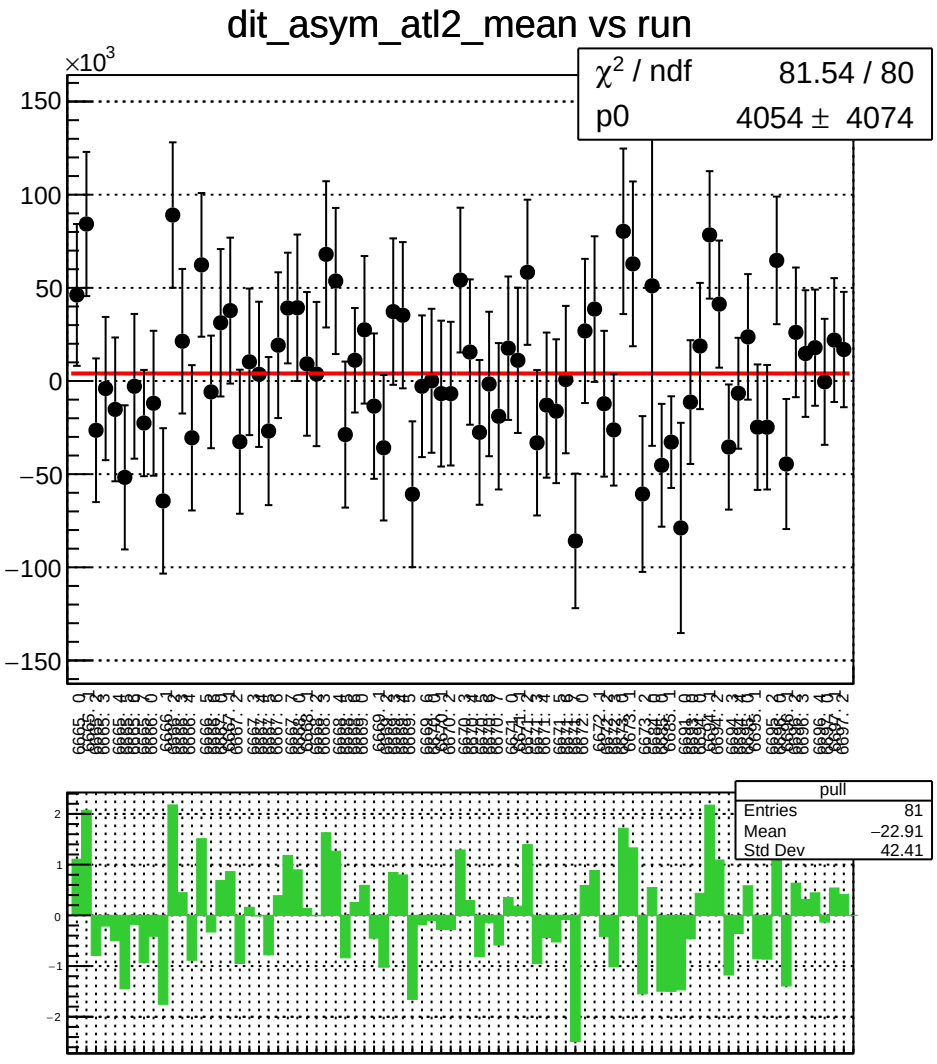


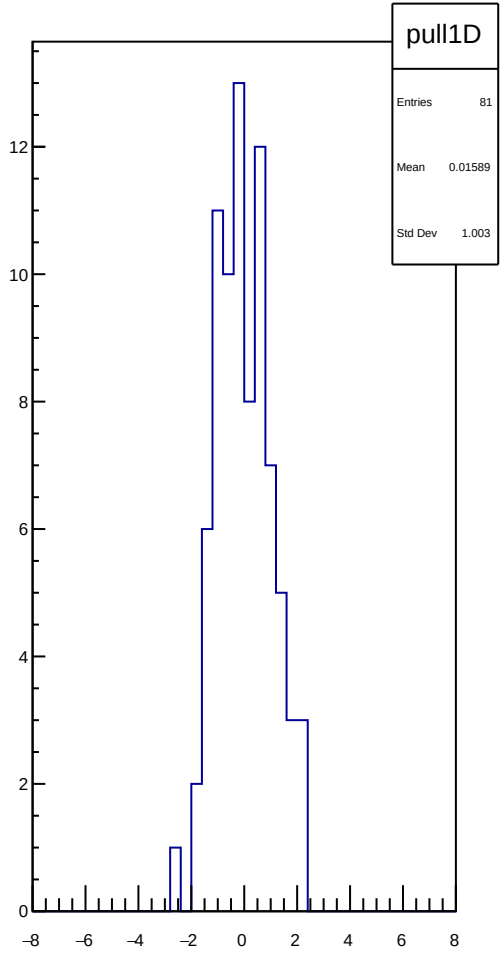

asym_atl1_mean vs run
×10^3
χ² / ndf 69.8 / 80
p0 −1000 ± 3524
pull
Entries 81
Mean −1033
Std Dev 1081


pull1D
Entries 81
Mean −0.004682
Std Dev 0.9283

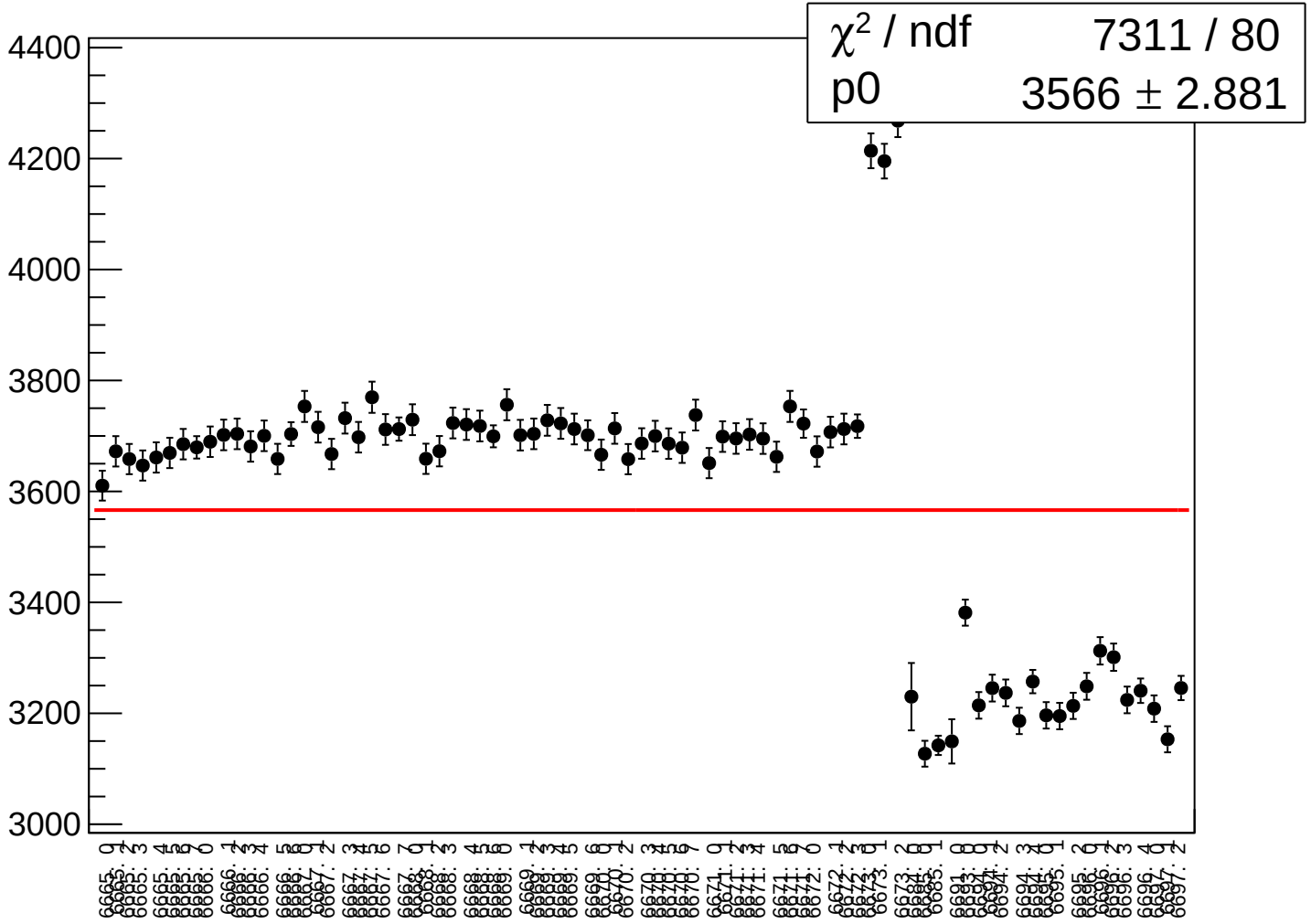
asym_atl1_rms vs run



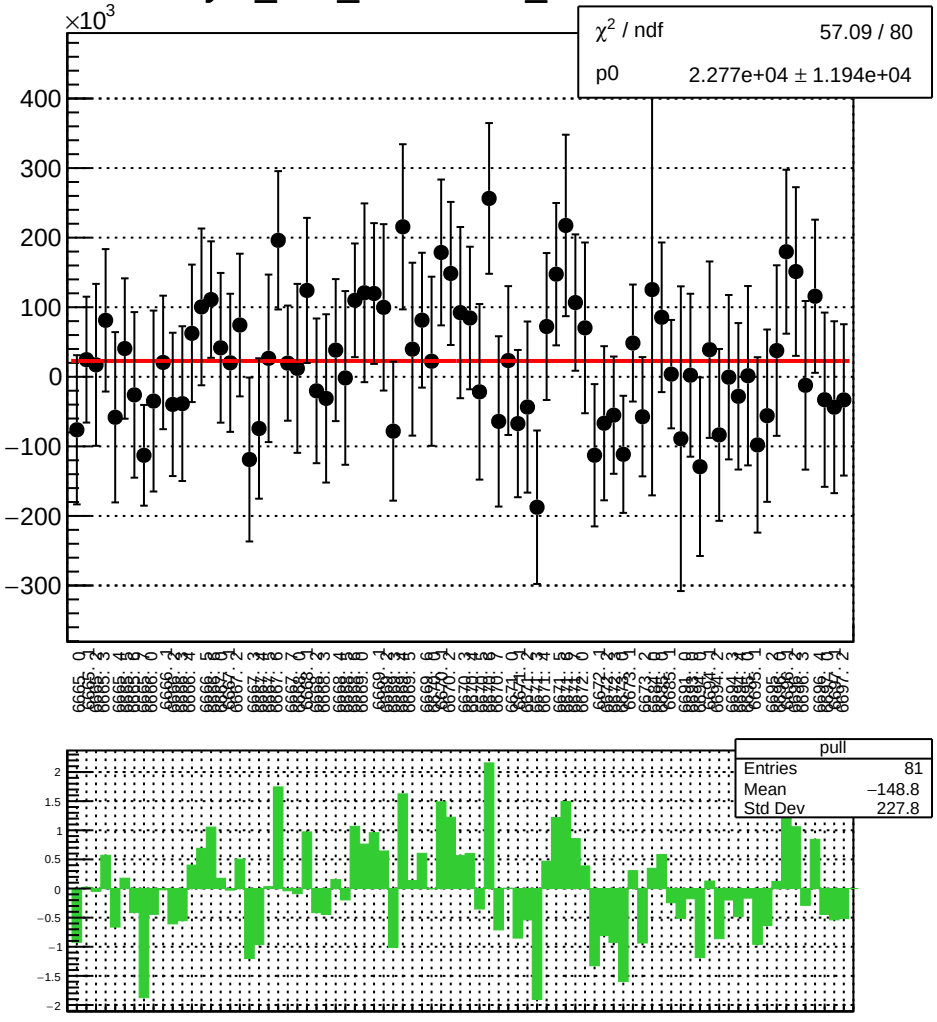

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 81.54 / 80
p0 4054 ± 4074
pull
Entries 81
Mean −22.91
Std Dev 42.41

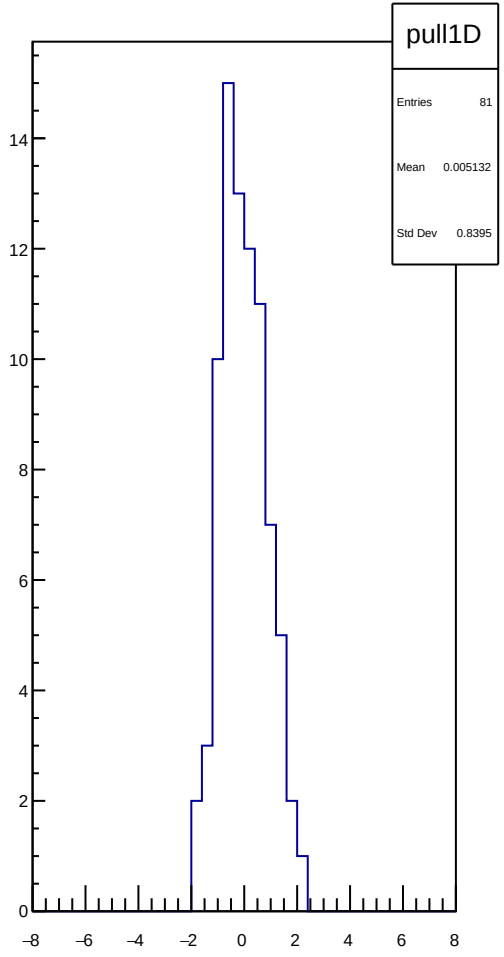

pull1D
Entries 81
Mean 0.01589
Std Dev 1.003

dit_asym_atl2_rms vs run

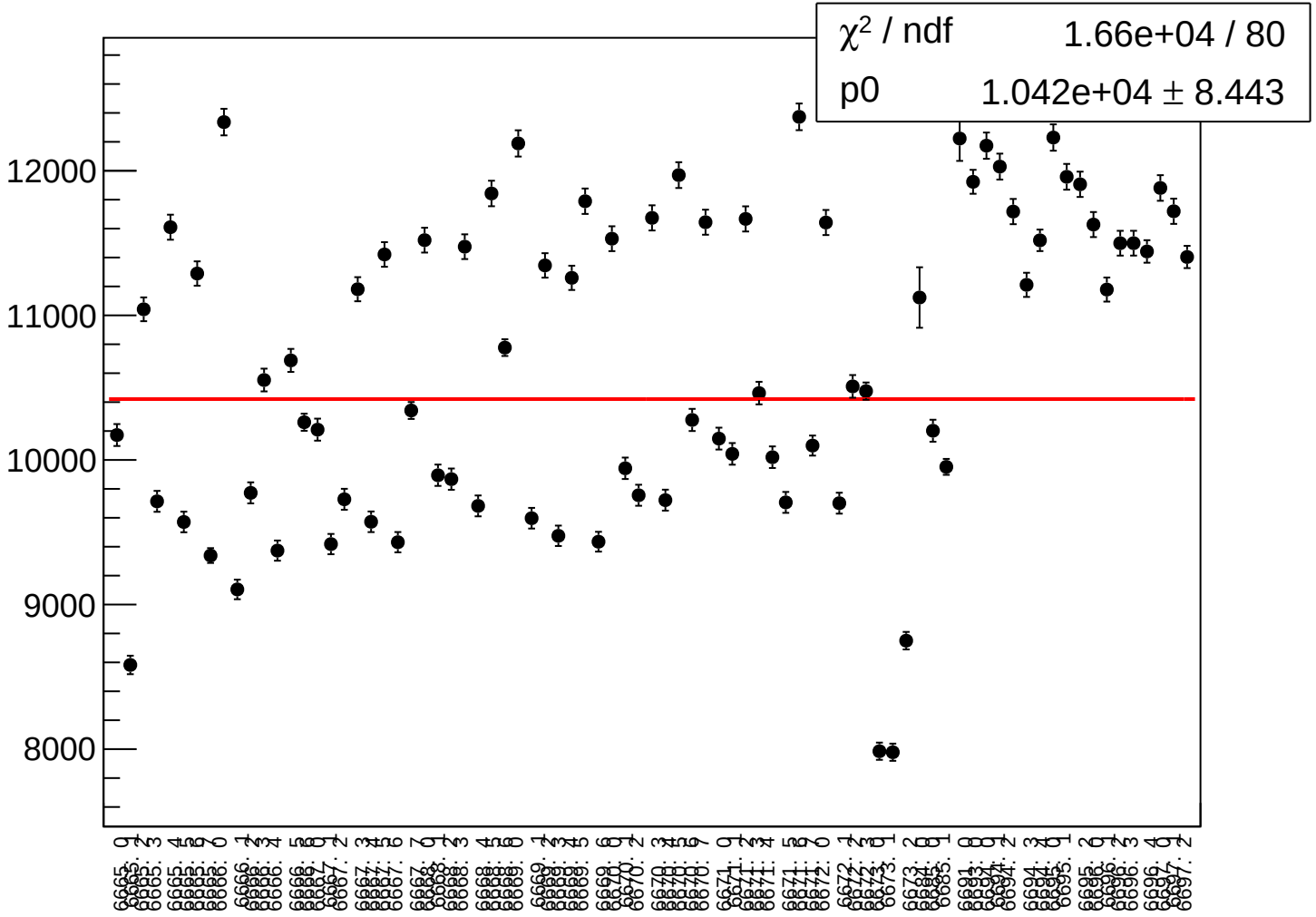


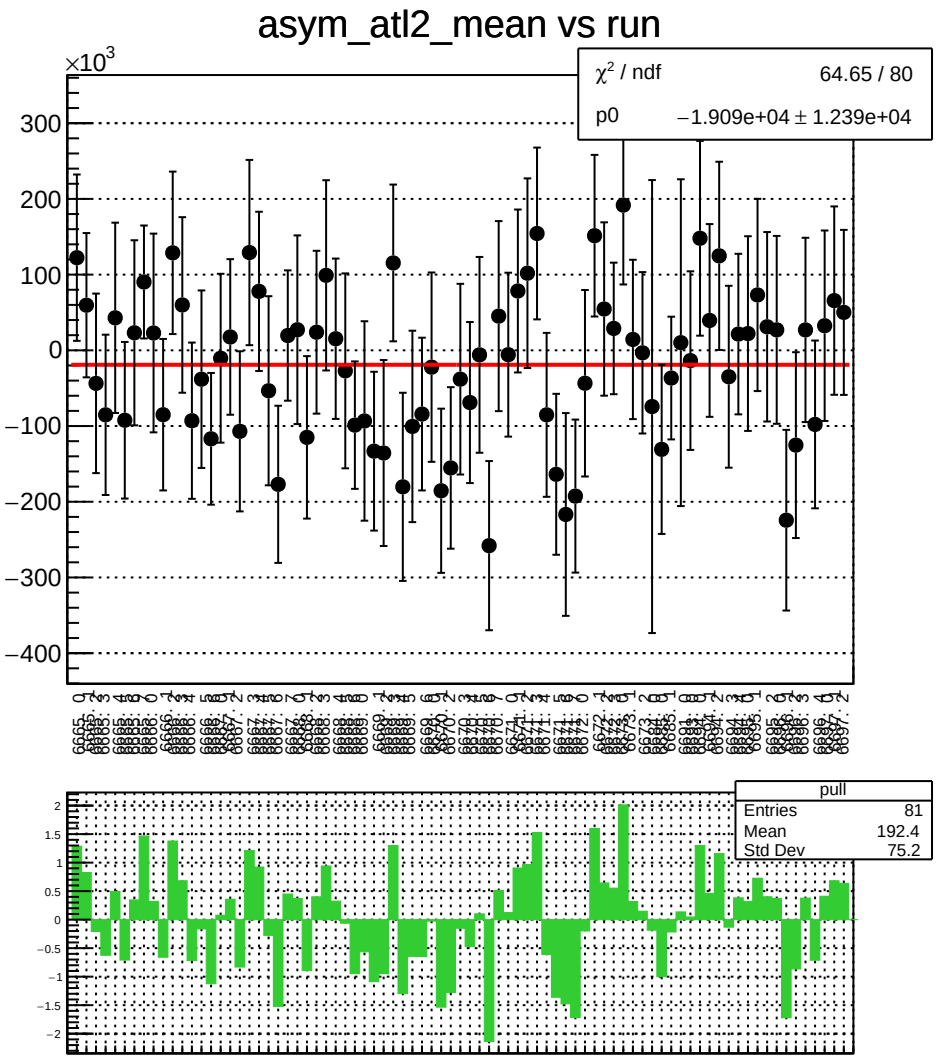
asym_atl2_correction_mean vs run

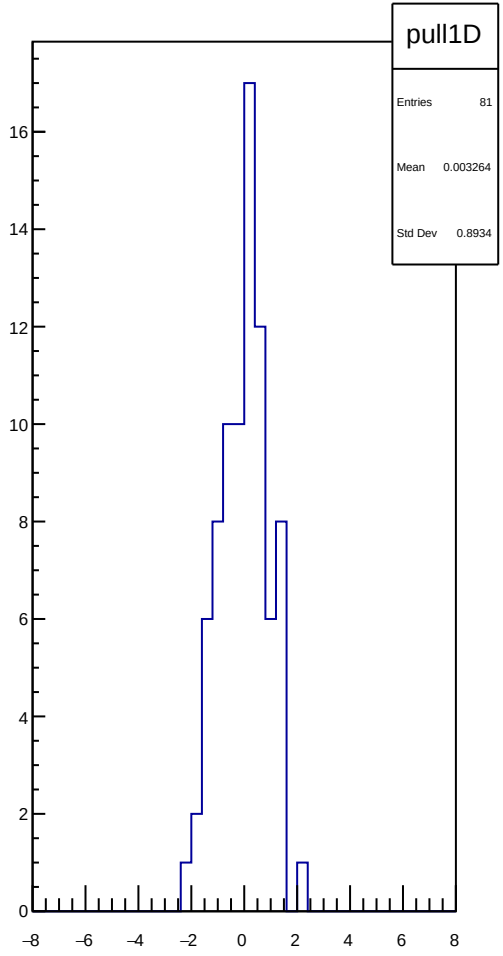




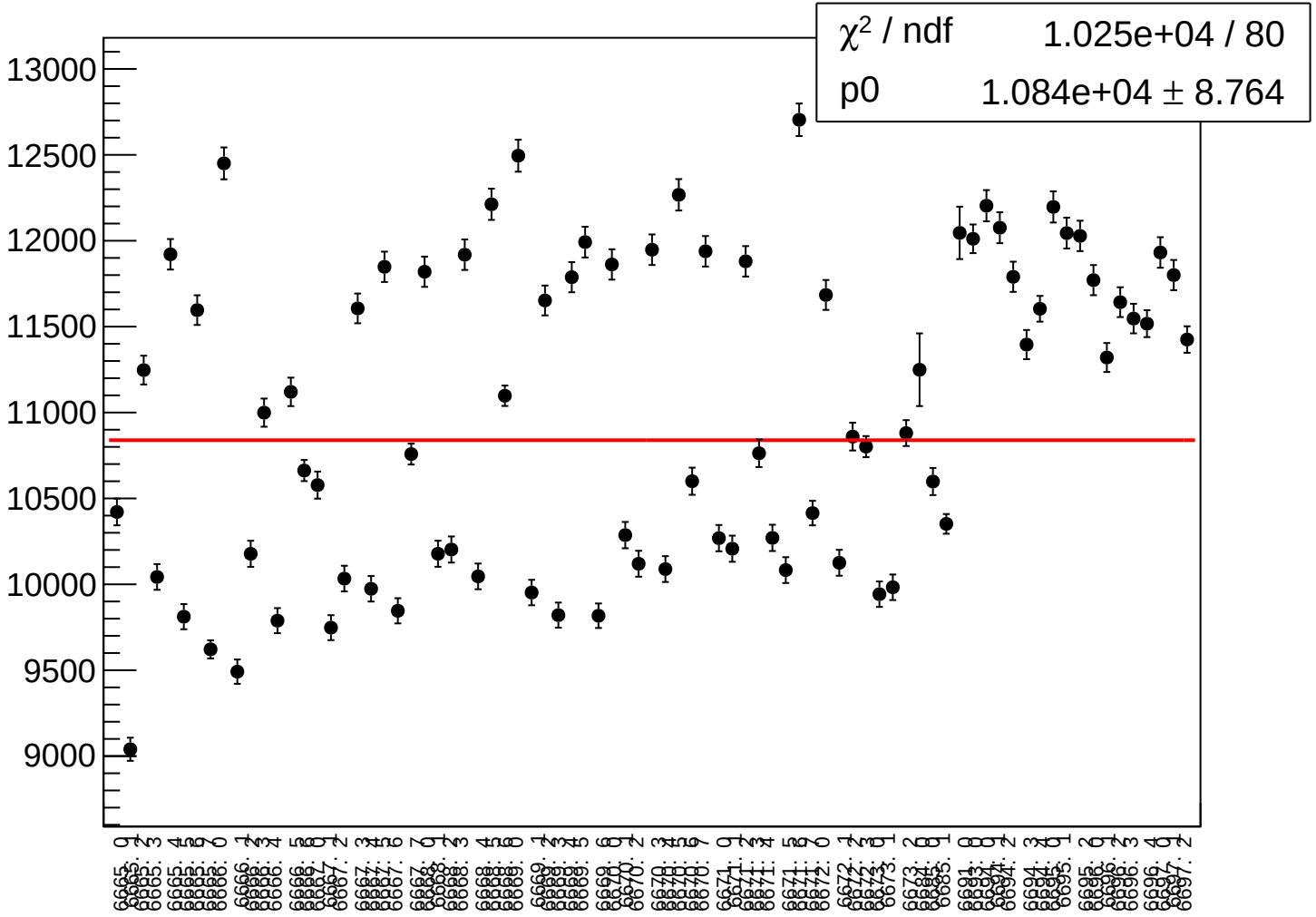
asym_atl2_correction_rms vs run

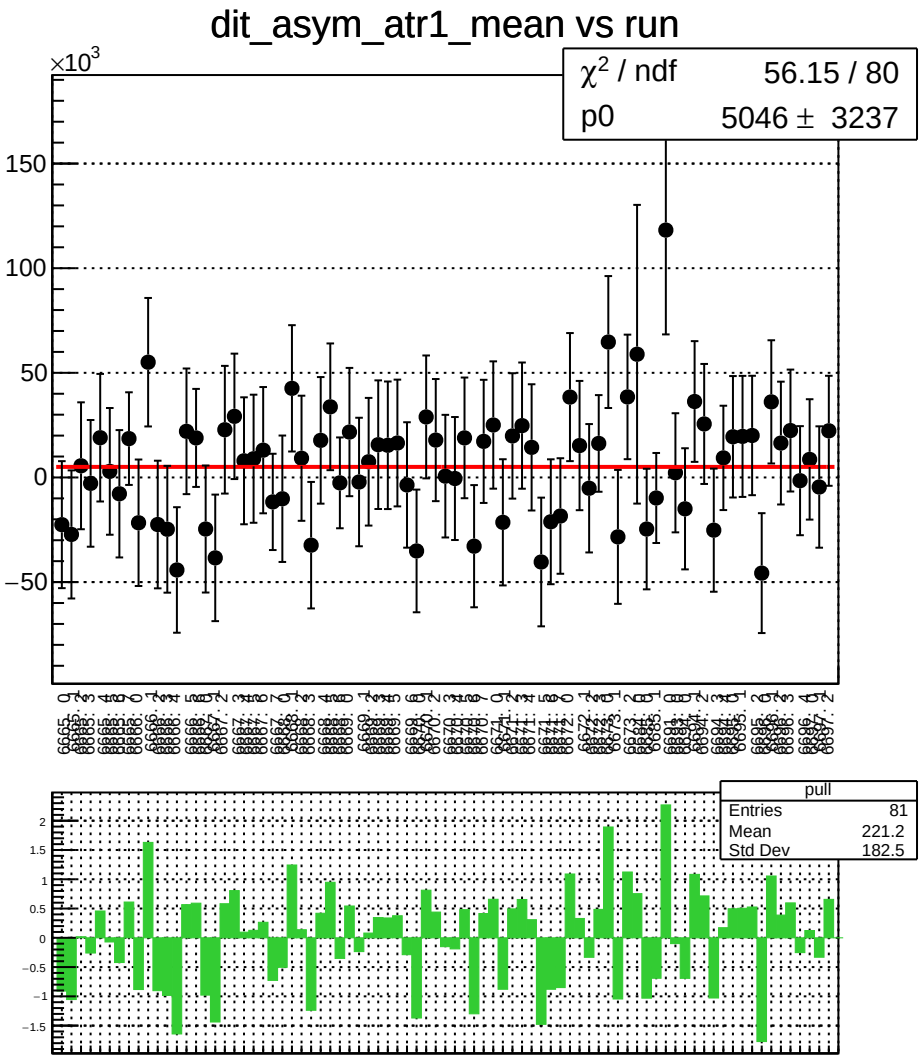


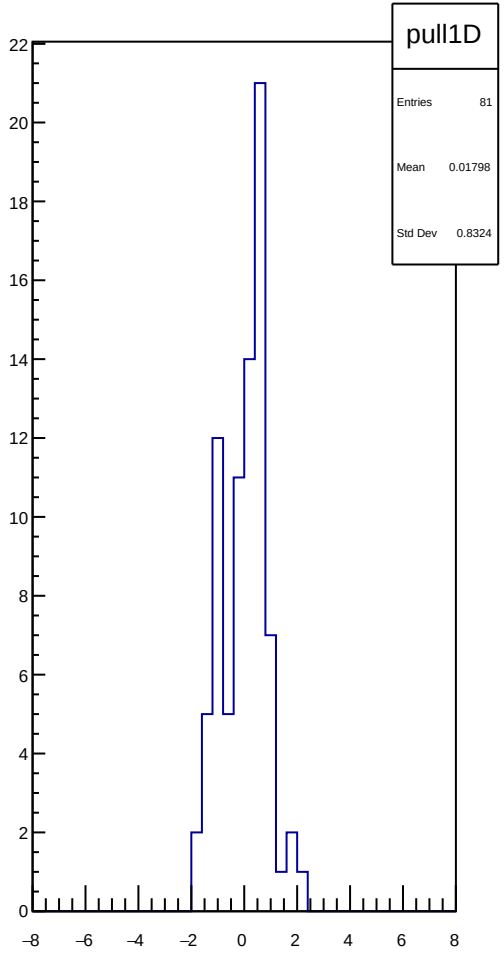

asym_atl2_mean vs run
×10^3
χ² / ndf 64.65 / 80
p0 −1.909e+04 ± 1.239e+04
pull
Entries 81
Mean 192.4
Std Dev 75.2

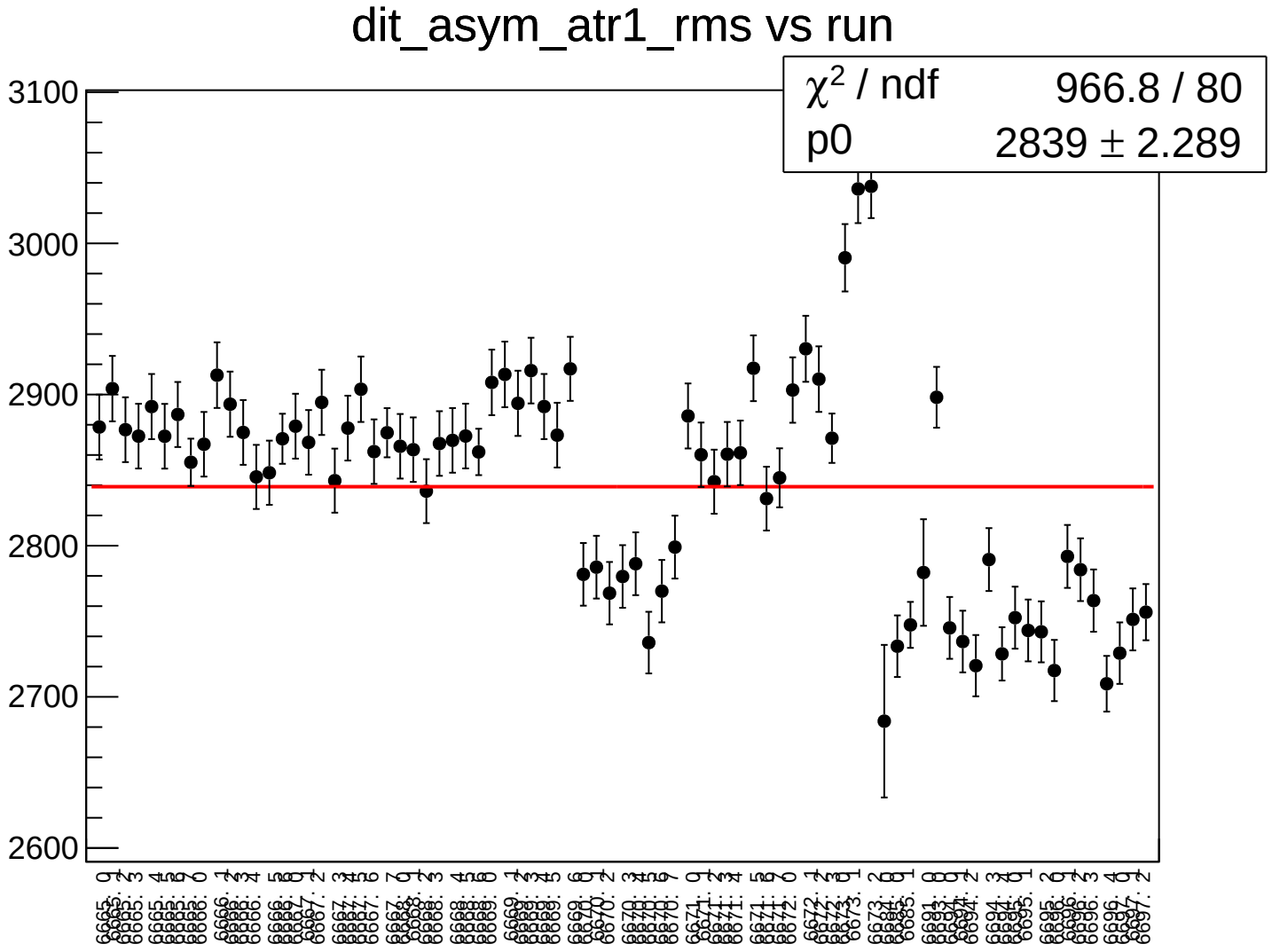

pull1D
Entries 81
Mean 0.003264
Std Dev 0.8934

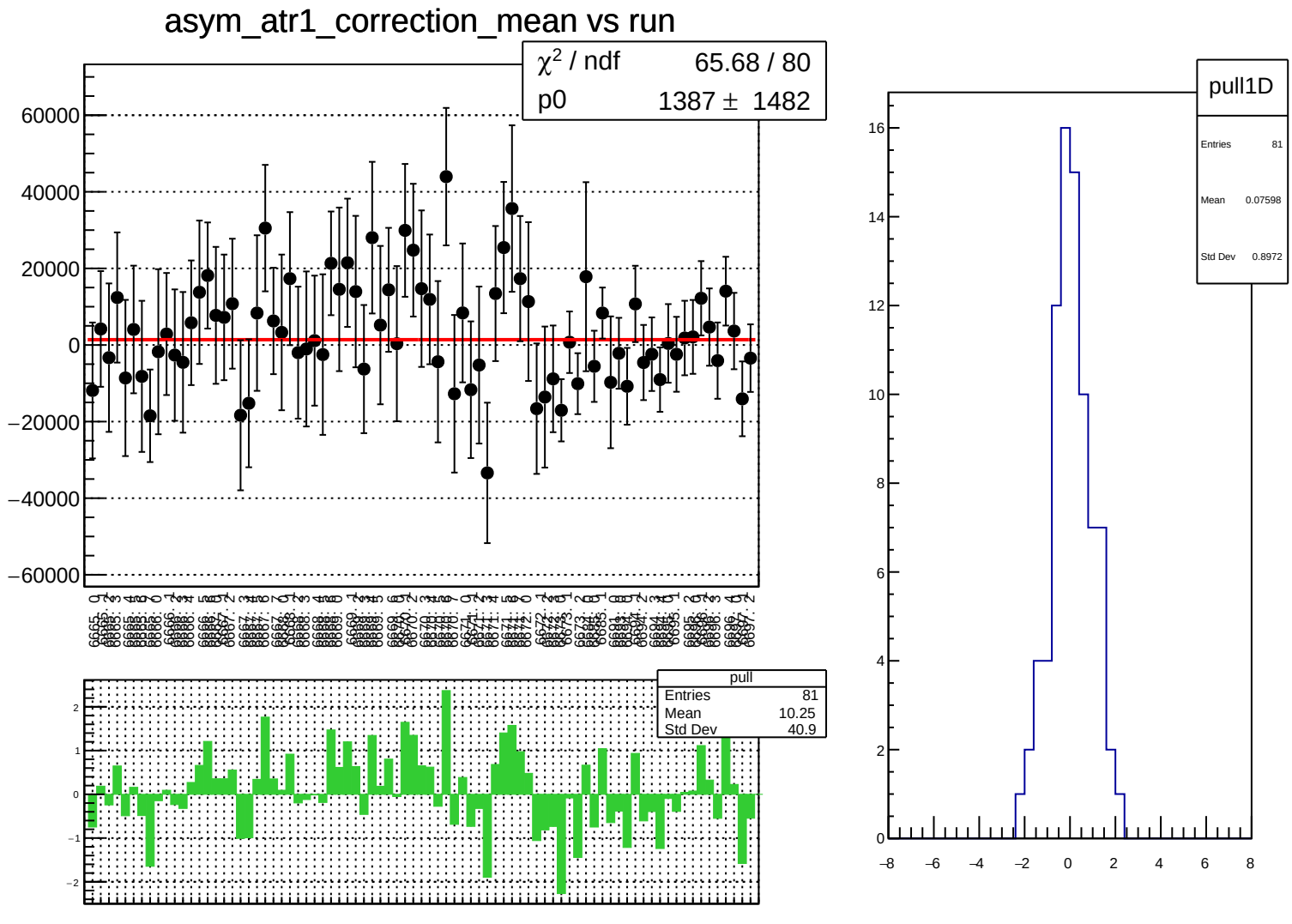
asym_atl2_rms vs run

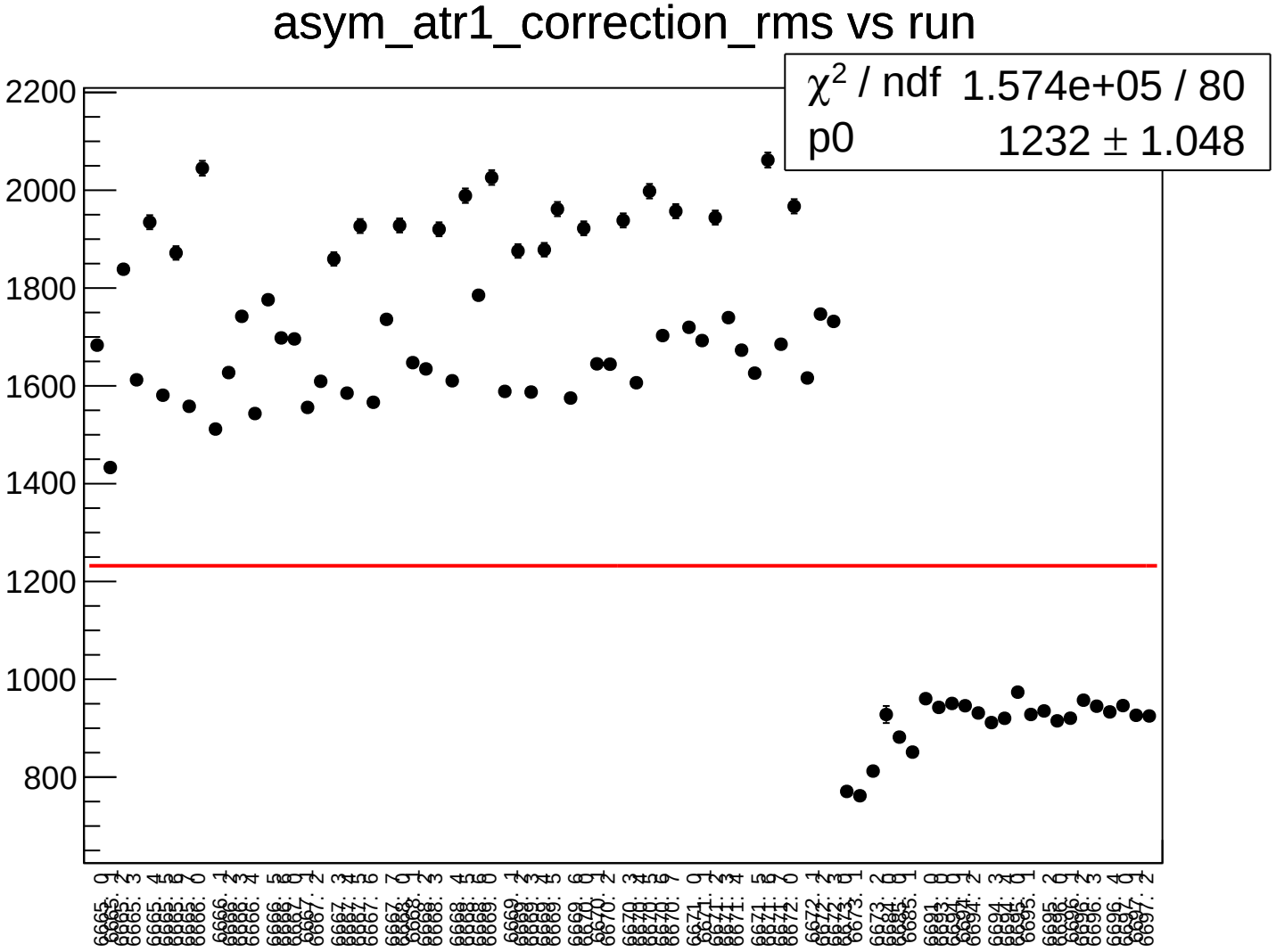


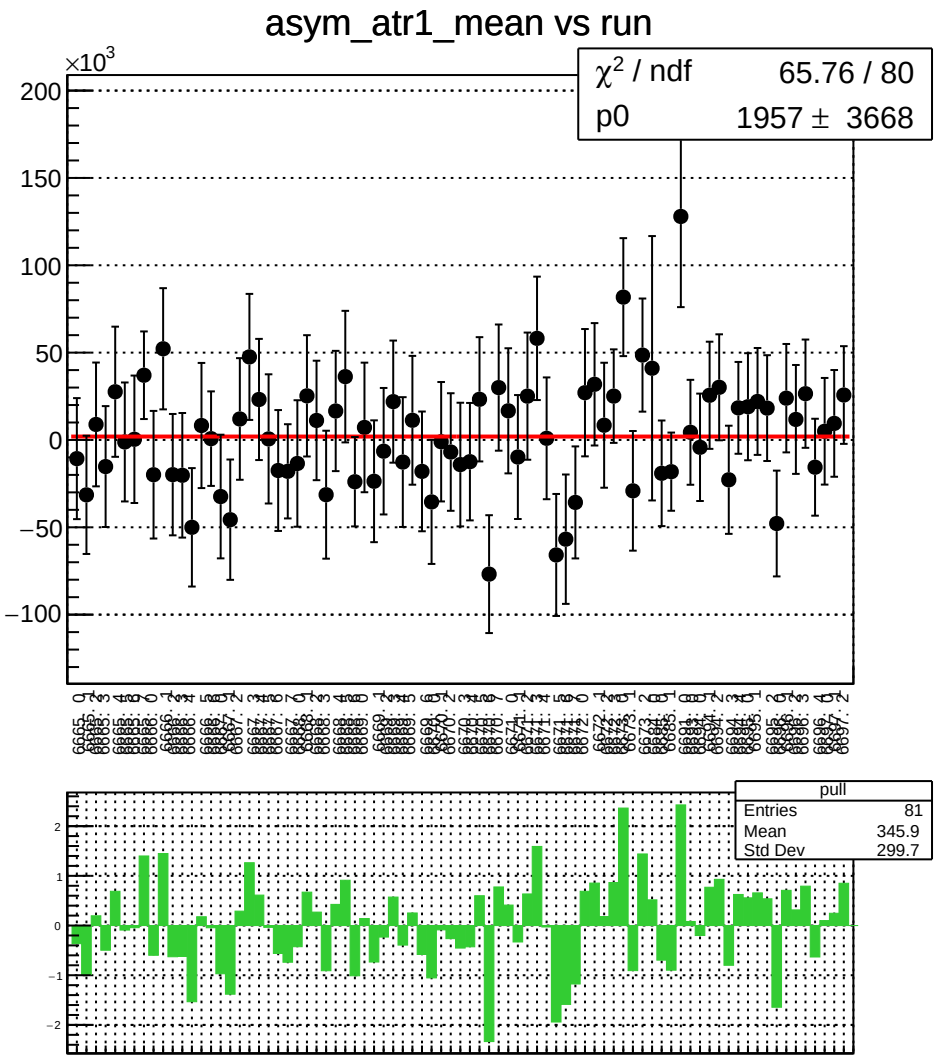

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 56.15 / 80
p0 5046 ± 3237
150
100
50
0
−50
pull
Entries 81
Mean 221.2
Std Dev 182.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

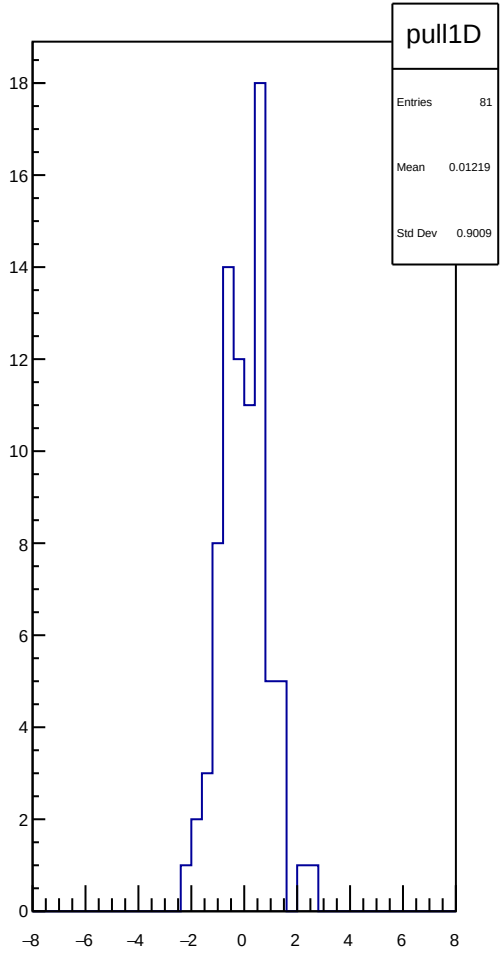

pull1D
Entries 81
Mean 0.01798
Std Dev 0.8324
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

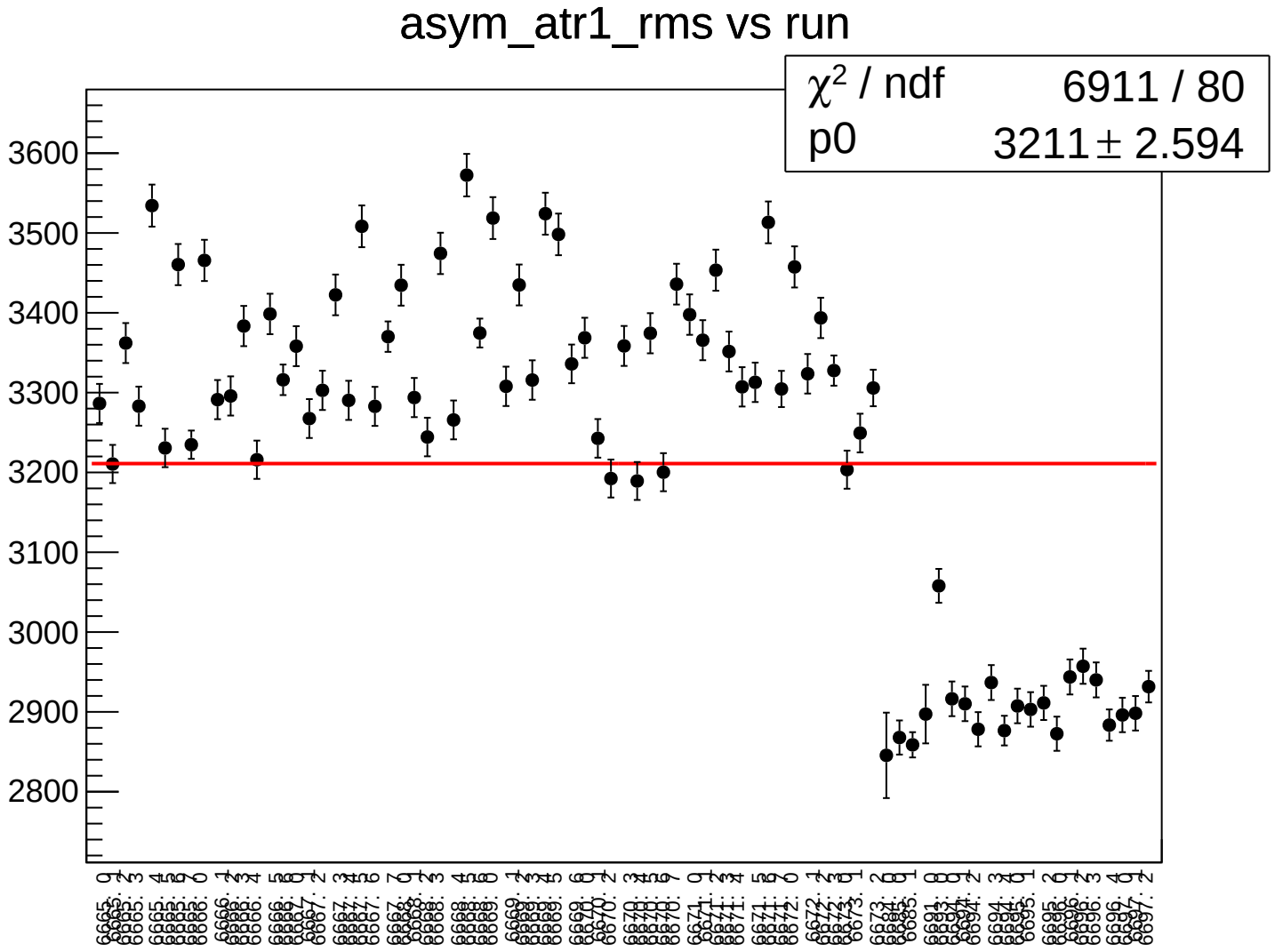

dit_asym_atr1_rms vs run
χ² / ndf 966.8 / 80
p0 2839 ± 2.289
3100
3000
2900
2800
2700
2600

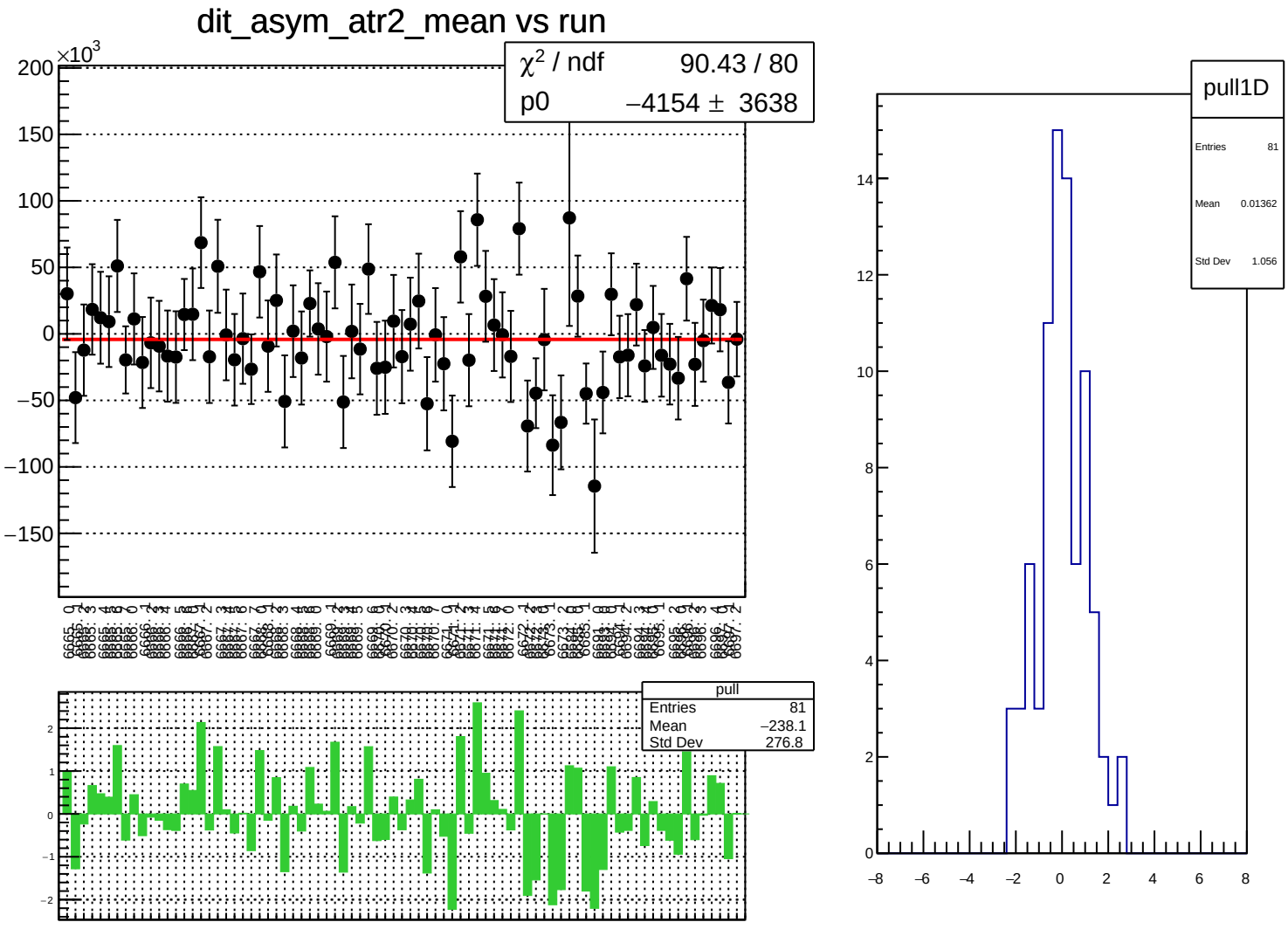

asym_atr1_correction_mean vs run
χ² / ndf 65.68 / 80
p0 1387 ± 1482
pull
Entries 81
Mean 10.25
Std Dev 40.9
pull1D
Entries 81
Mean 0.07598
Std Dev 0.8972


asym_atr1_correction_rms vs run
χ^2 / ndf 1.574e+05 / 80
p0 1232 ± 1.048
2200
2000
1800
1600
1400
1200
1000
800

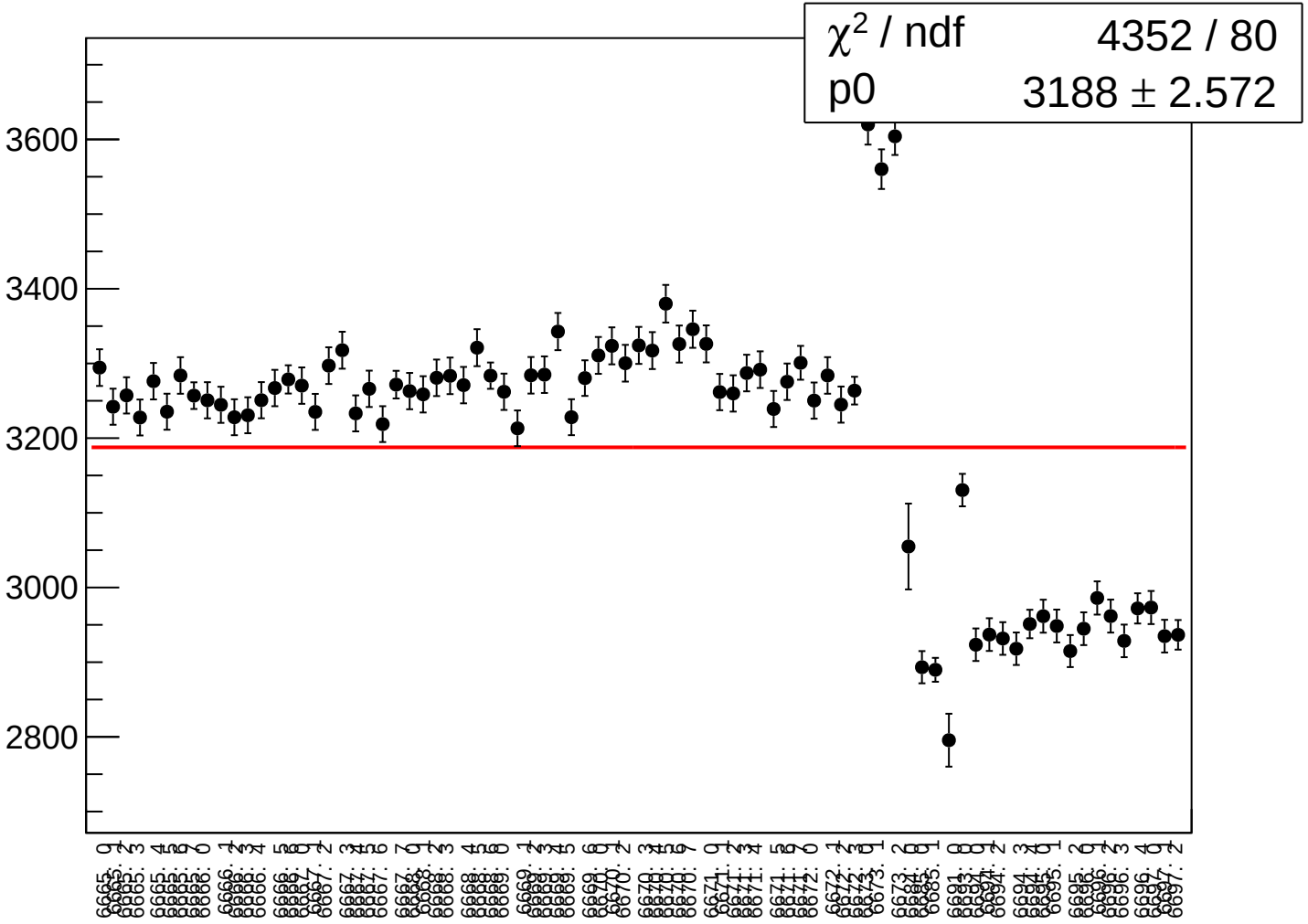

asym_atr1_mean vs run
×10^3
χ² / ndf 65.76 / 80
p0 1957 ± 3668
pull
Entries 81
Mean 345.9
Std Dev 299.7

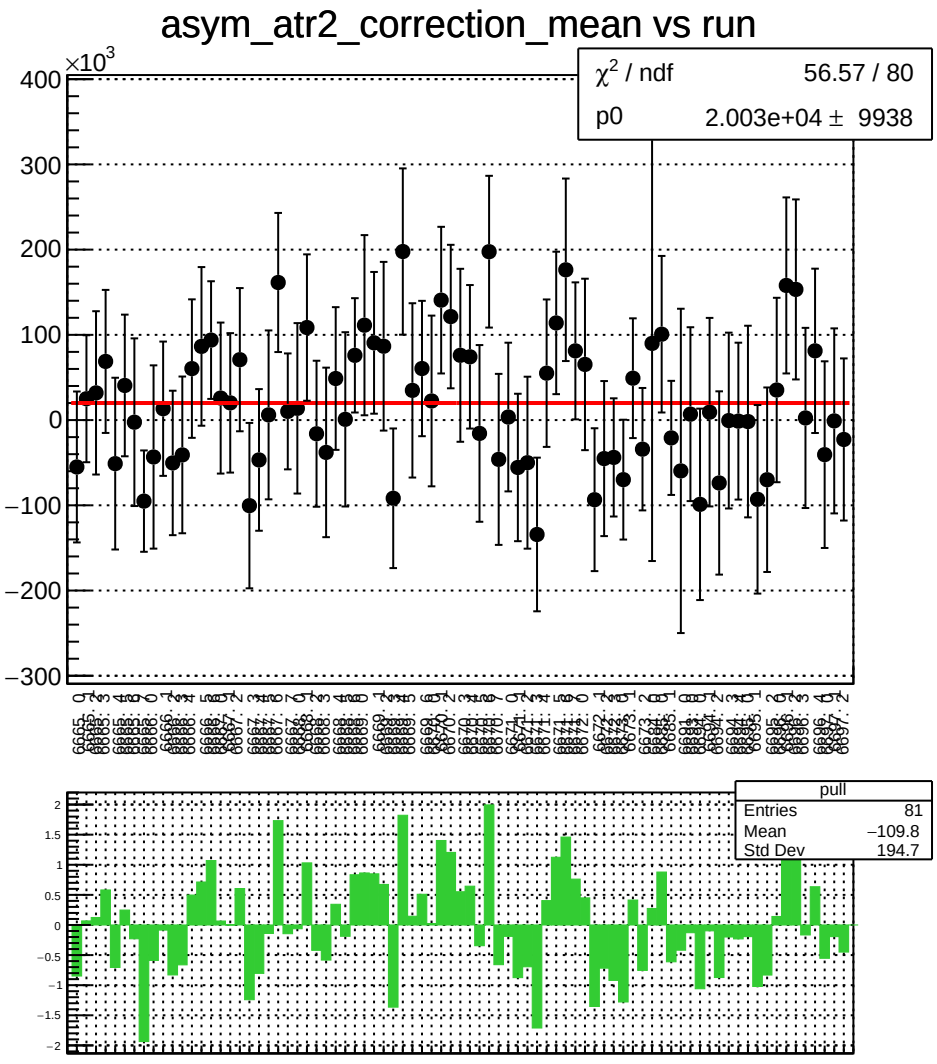

pull1D
Entries 81
Mean 0.01219
Std Dev 0.9009

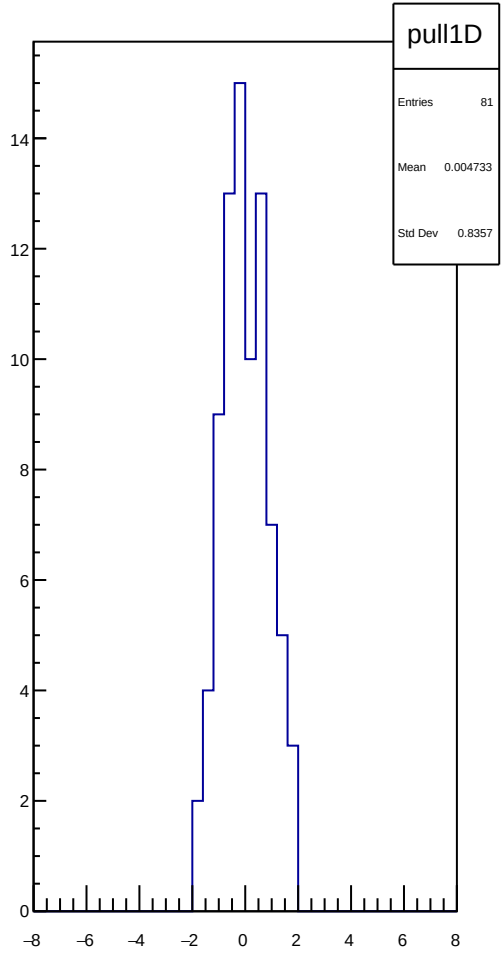

asym_atr1_rms vs run
χ² / ndf 6911 / 80
p0 3211 ± 2.594
3600
3500
3400
3300
3200
3100
3000
2900
2800


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 90.43 / 80
p0 −4154 ± 3638
pull
Entries 81
Mean −238.1
Std Dev 276.8
pull1D
Entries 81
Mean 0.01362
Std Dev 1.056

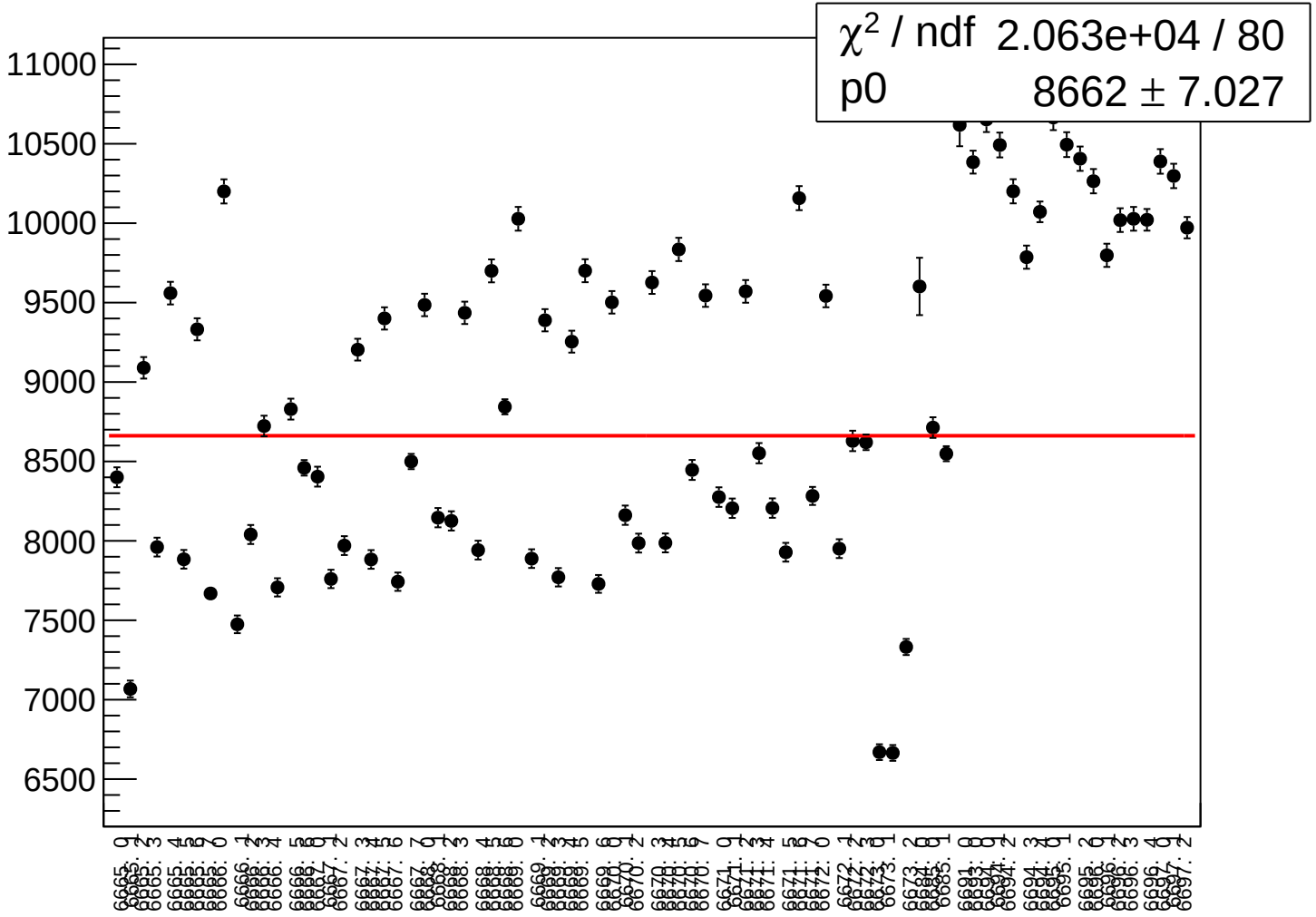
dit_asym_atr2_rms vs run

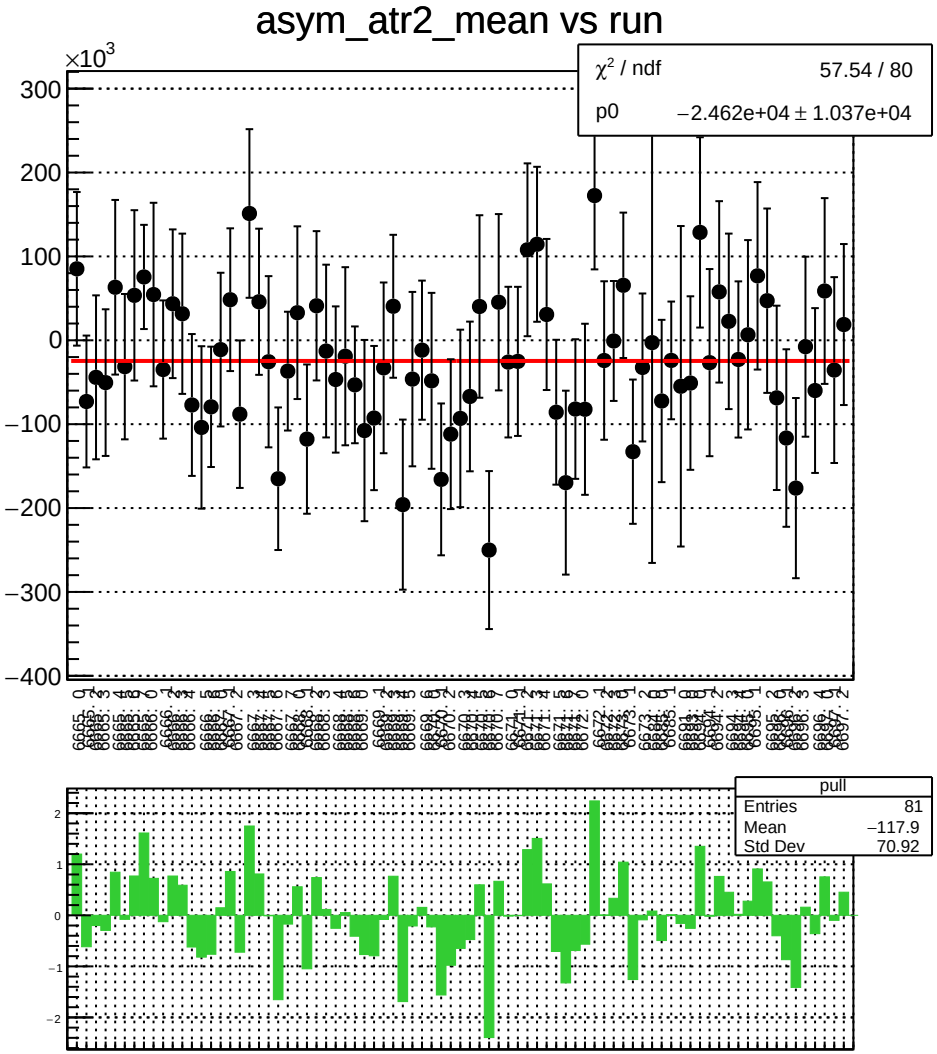


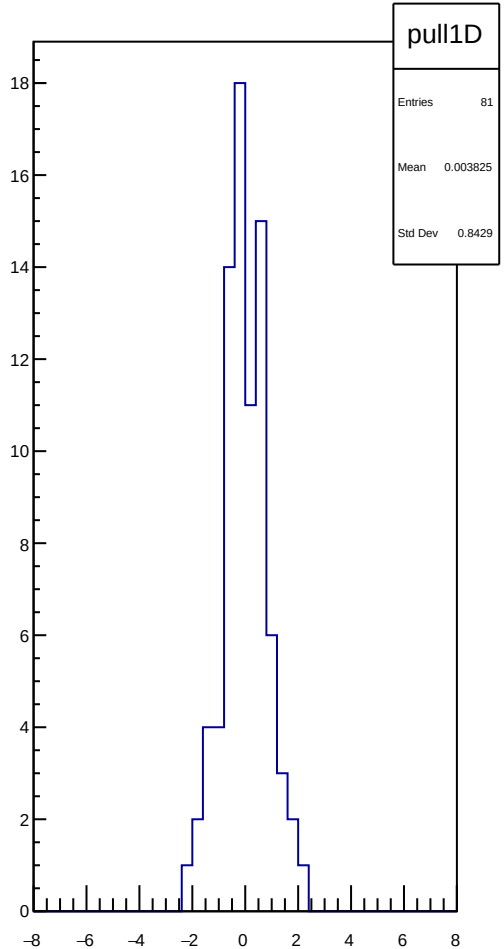

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 56.57 / 80
p0 2.003e+04 ± 9938
pull
Entries 81
Mean −109.8
Std Dev 194.7

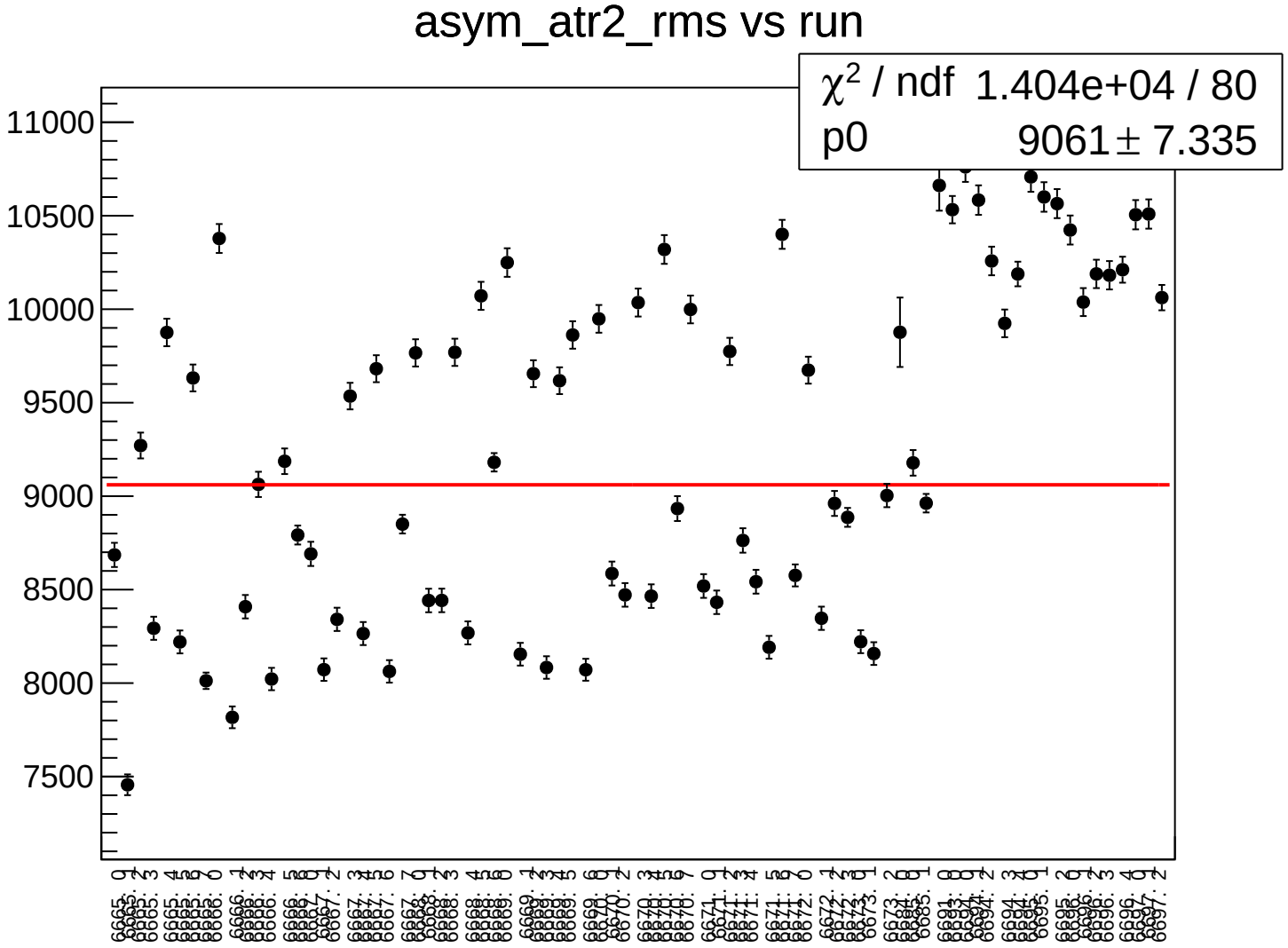

pull1D
Entries 81
Mean 0.004733
Std Dev 0.8357

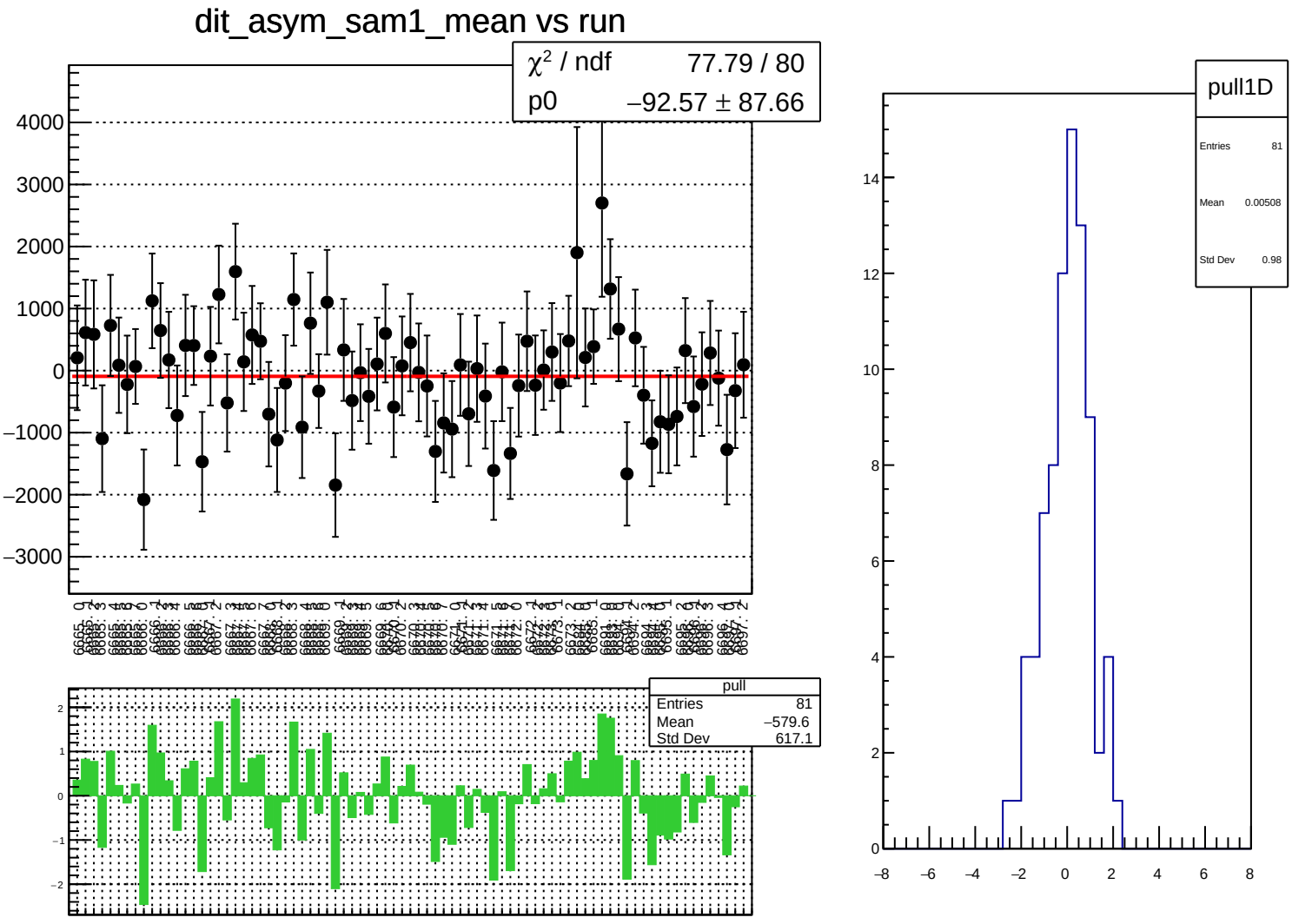
asym_atr2_correction_rms vs run

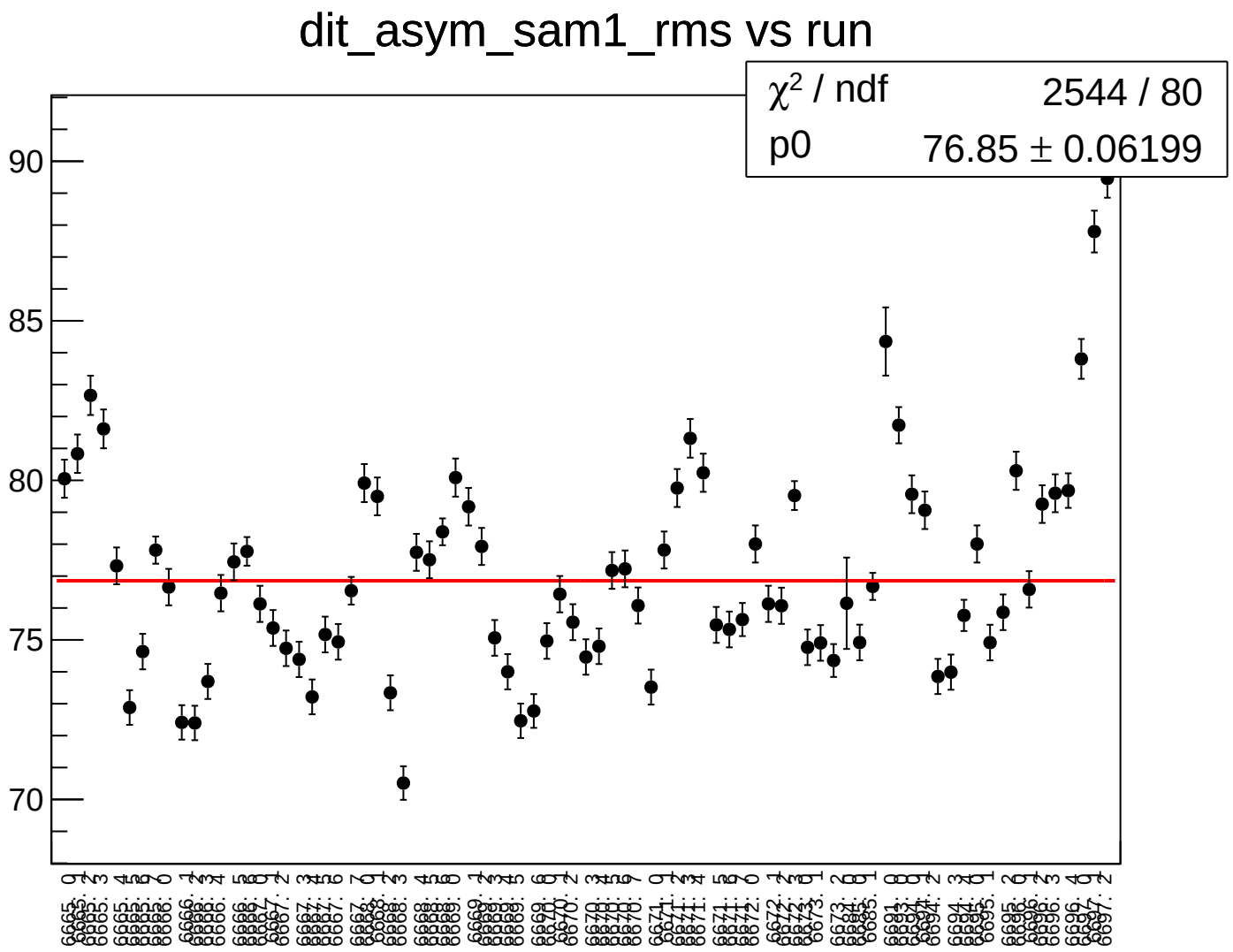


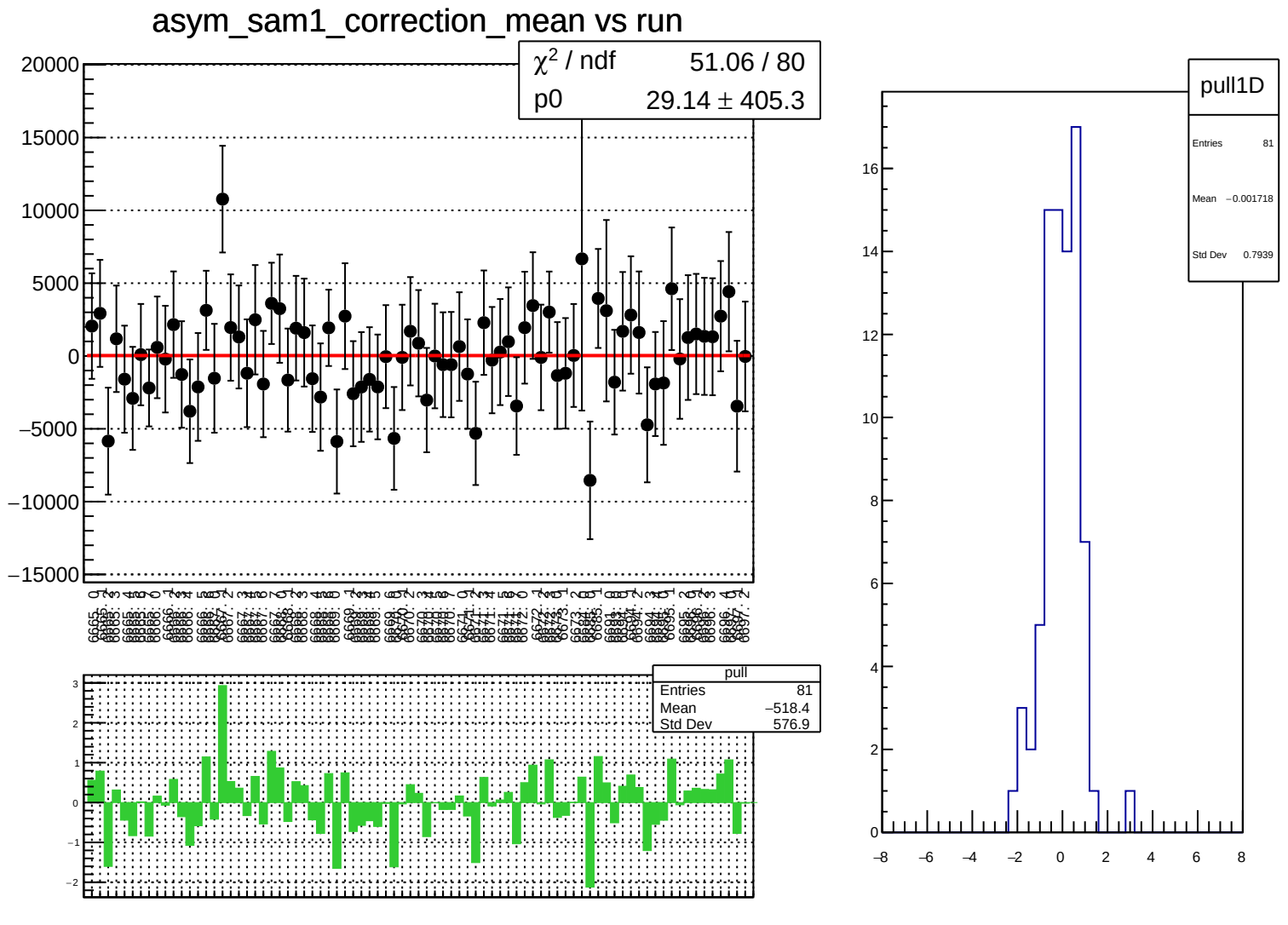

asym_atr2_mean vs run
×10^3
χ² / ndf 57.54 / 80
p0 −2.462e+04 ± 1.037e+04
pull
Entries 81
Mean −117.9
Std Dev 70.92


pull1D
Entries 81
Mean 0.003825
Std Dev 0.8429

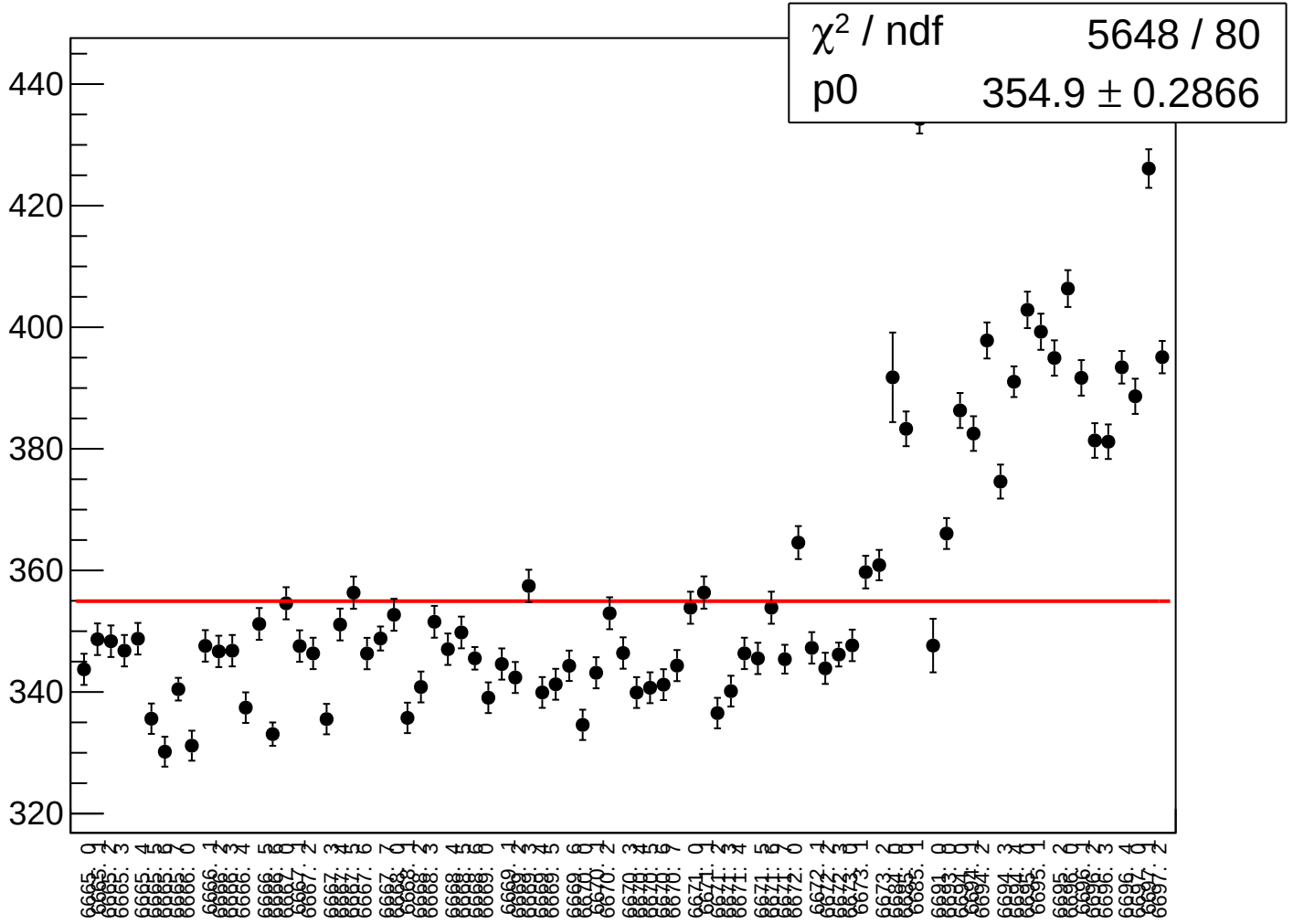

asym_atr2_rms vs run
χ^2 / ndf 1.404e+04 / 80
p0 9061 ± 7.335
11000
10500
10000
9500
9000
8500
8000
7500

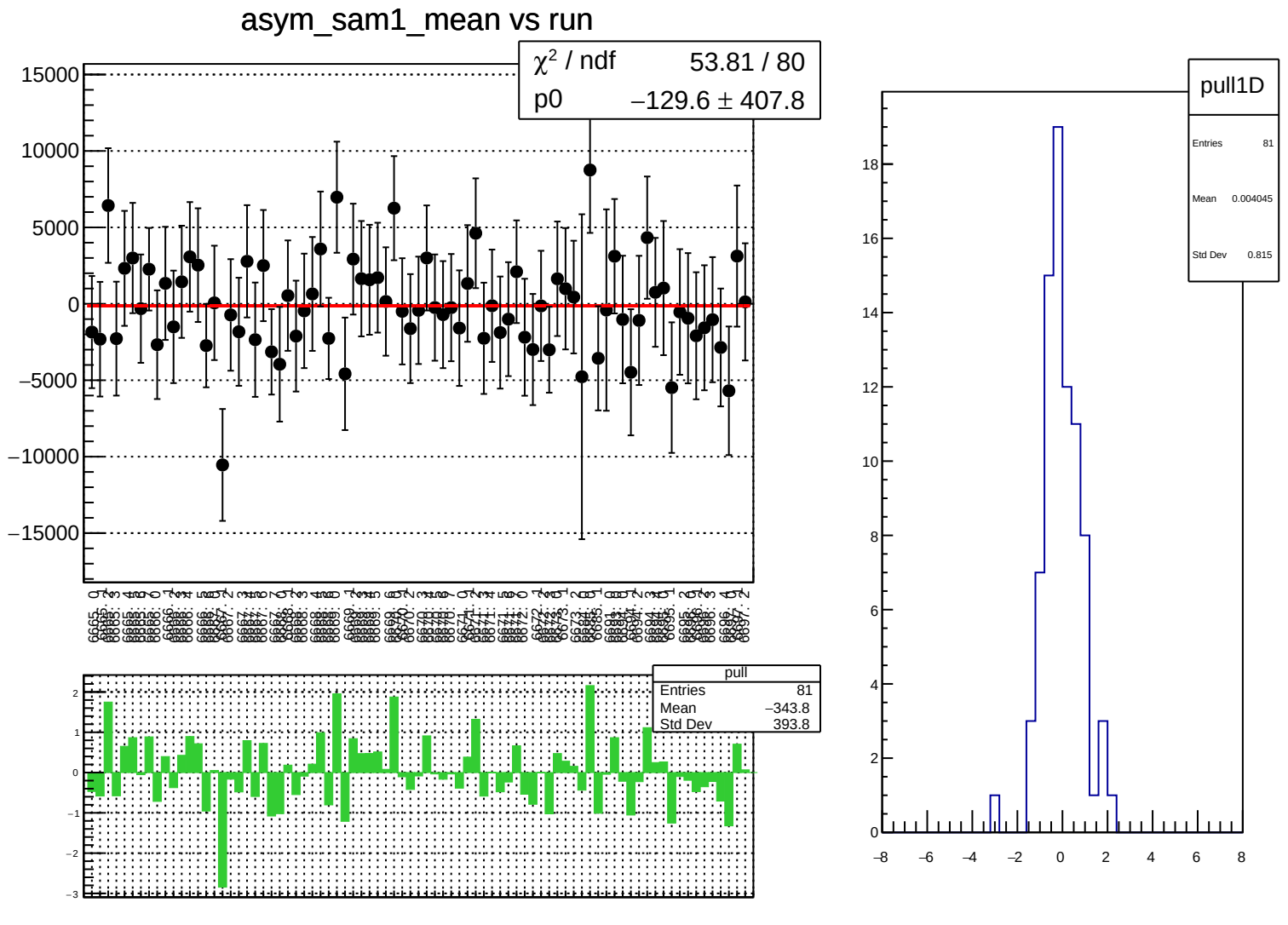

dit_asym_sam1_mean vs run
χ² / ndf 77.79 / 80
p0 −92.57 ± 87.66
pull
Entries 81
Mean −579.6
Std Dev 617.1
pull1D
Entries 81
Mean 0.00508
Std Dev 0.98

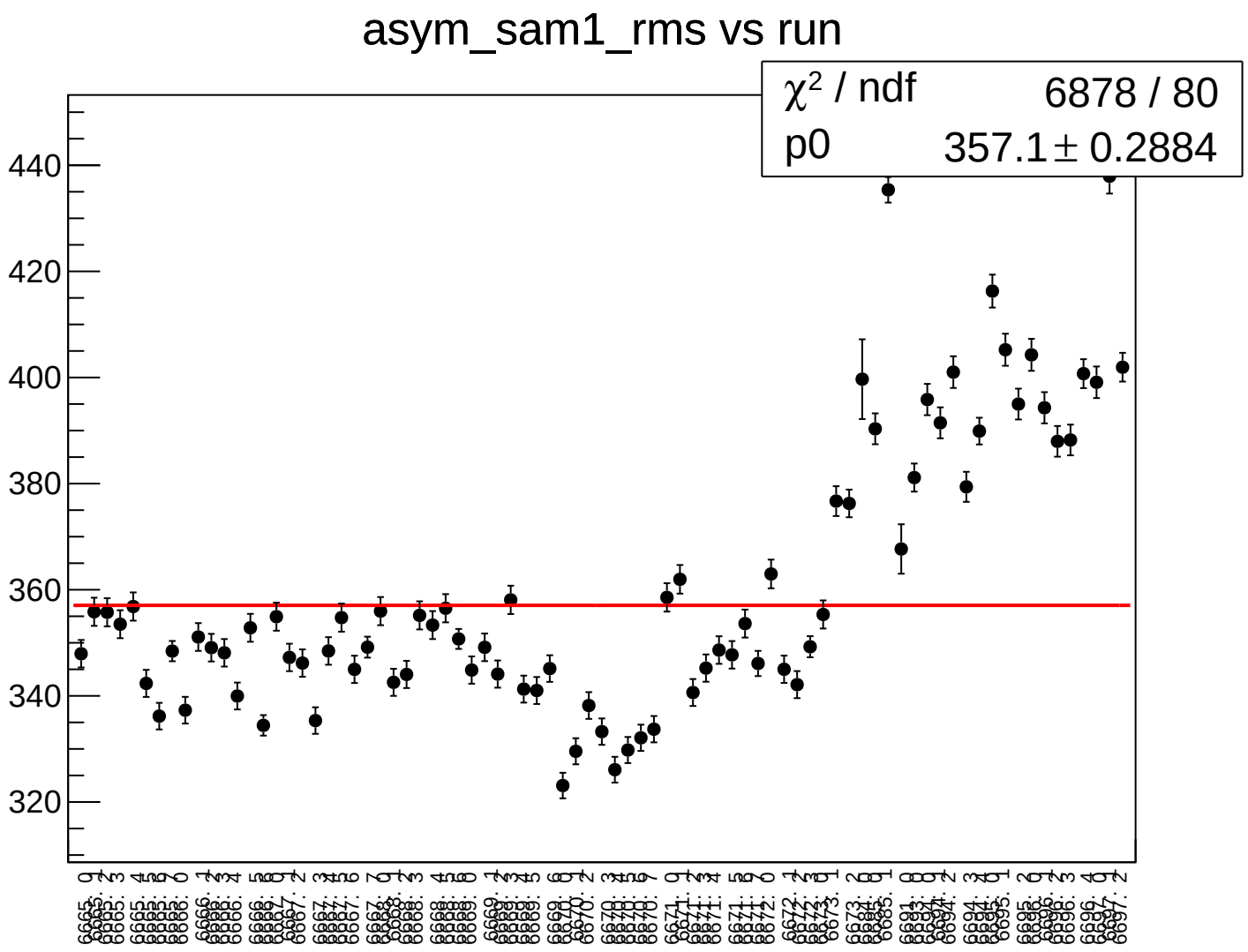

dit_asym_sam1_rms vs run
χ² / ndf 2544 / 80
p0 76.85 ± 0.06199
90
85
80
75
70

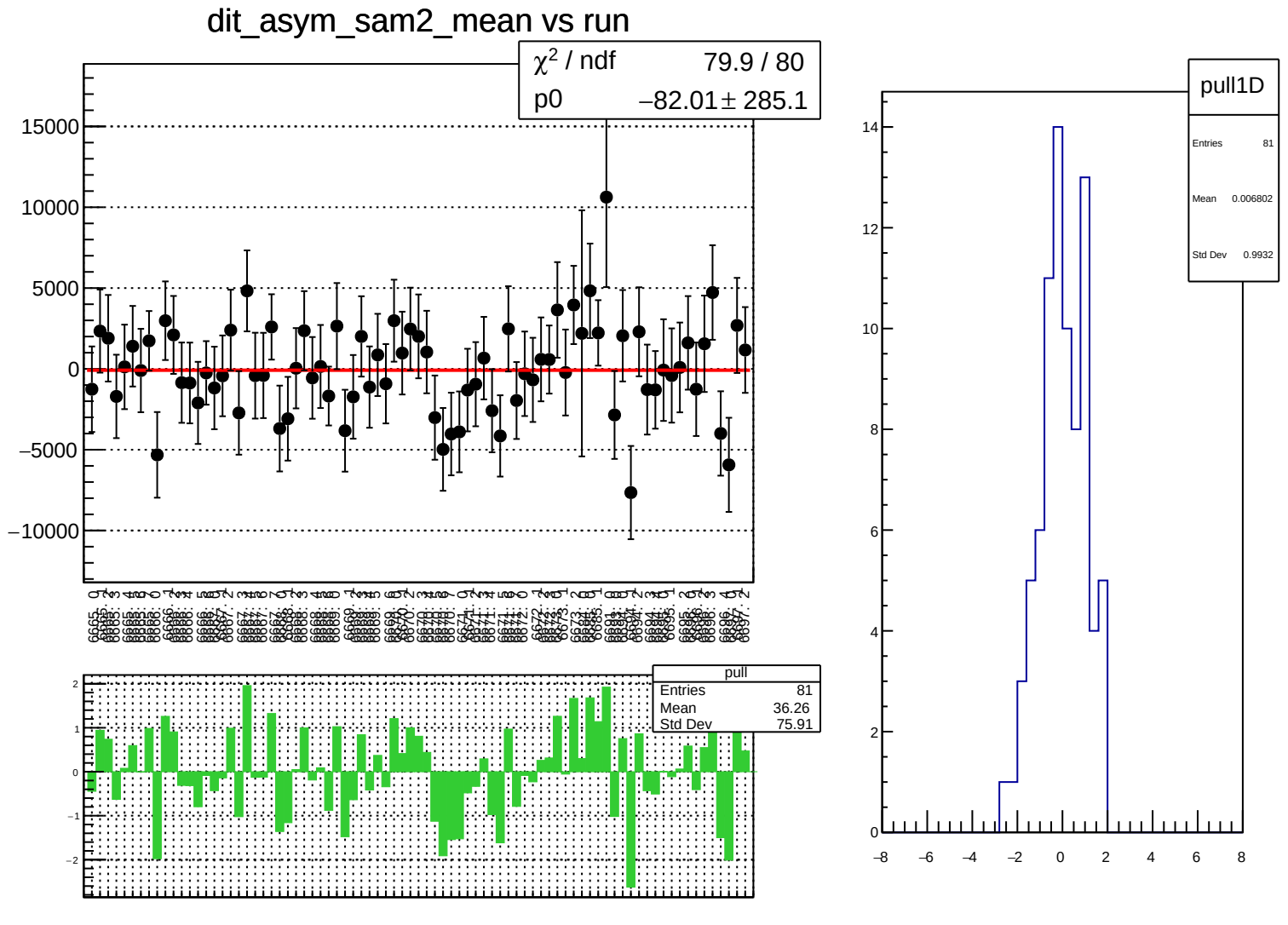

asym_sam1_correction_mean vs run
χ² / ndf 51.06 / 80
p0 29.14 ± 405.3
pull
Entries 81
Mean −518.4
Std Dev 576.9
pull1D
Entries 81
Mean −0.001718
Std Dev 0.7939

asym_sam1_correction_rms vs run

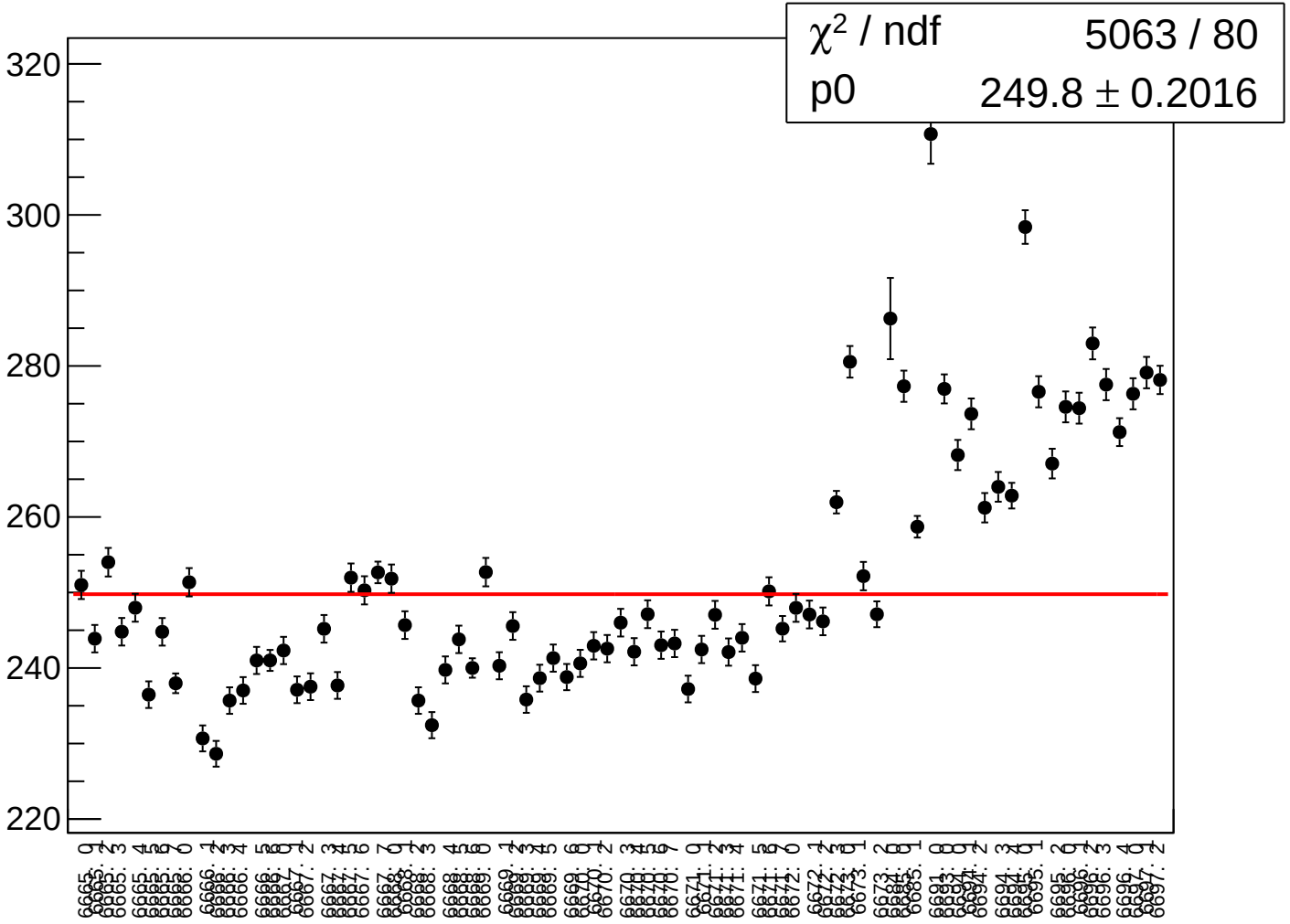


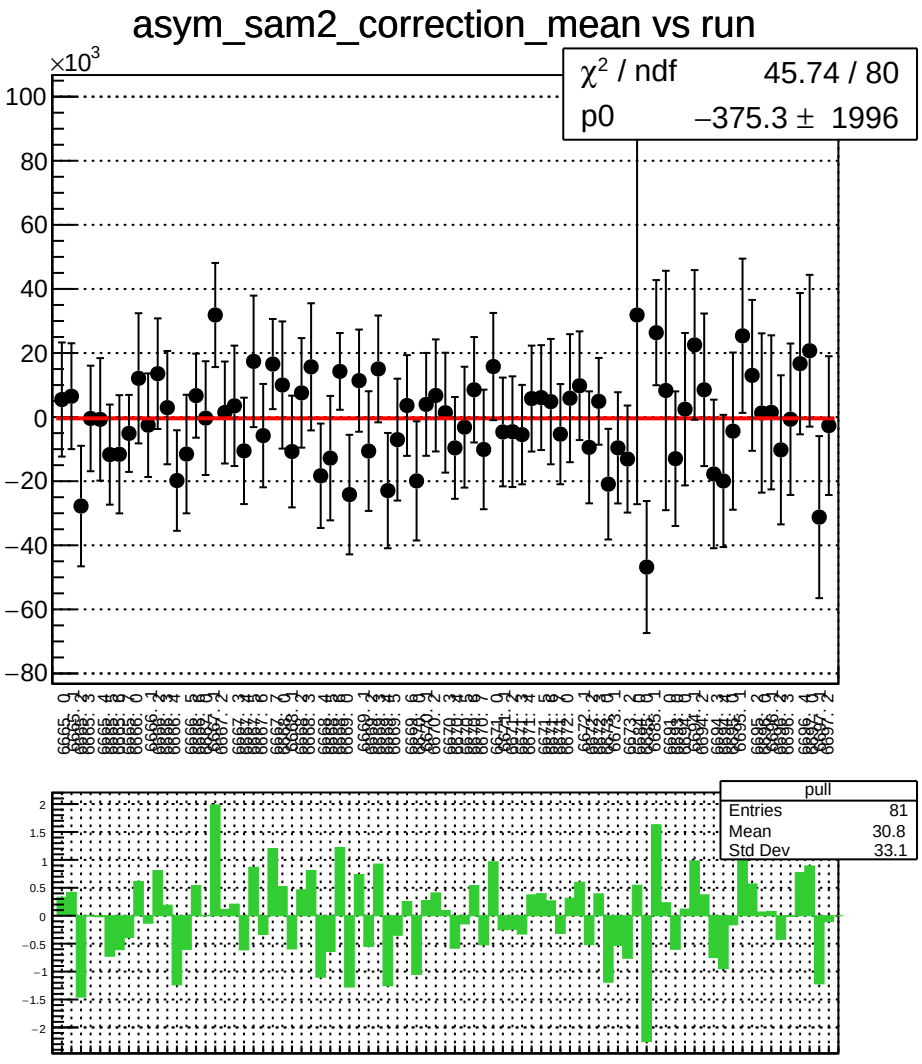

asym_sam1_mean vs run
χ² / ndf 53.81 / 80
p0 −129.6 ± 407.8
pull
Entries 81
Mean −343.8
Std Dev 393.8
pull1D
Entries 81
Mean 0.004045
Std Dev 0.815

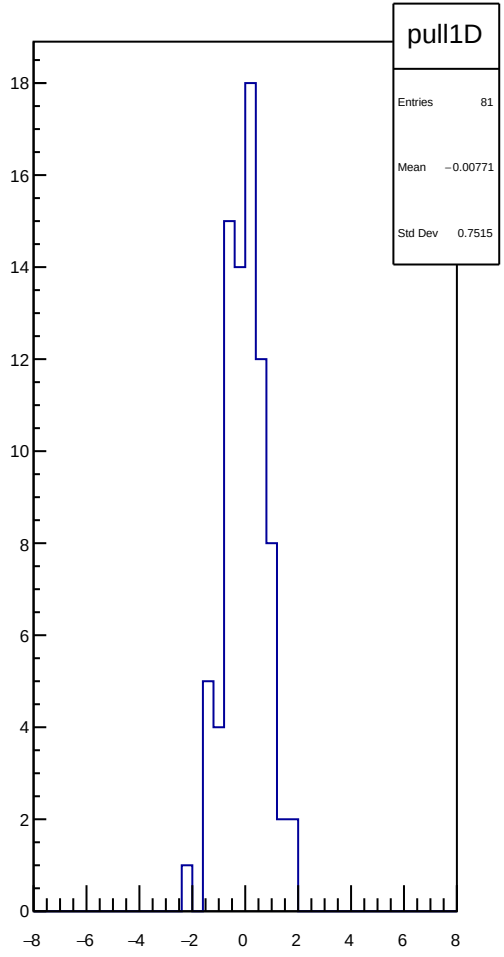

asym_sam1_rms vs run
χ² / ndf 6878 / 80
p0 357.1 ± 0.2884
440
420
400
380
360
340
320


dit_asym_sam2_mean vs run
χ² / ndf 79.9 / 80
p0 −82.01 ± 285.1
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 36.26
Std Dev 75.91
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.006802
Std Dev 0.9932
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

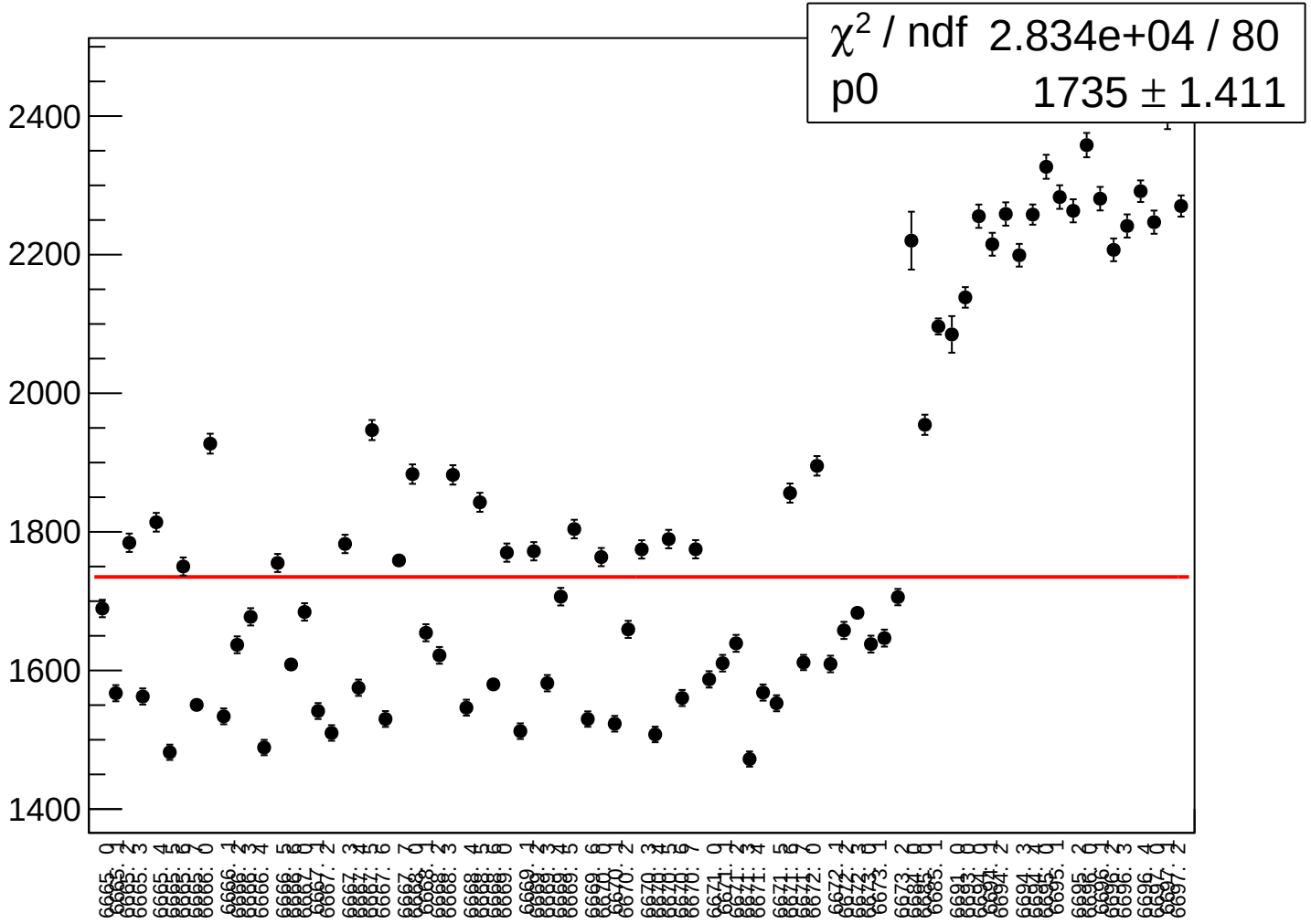
dit_asym_sam2_rms vs run

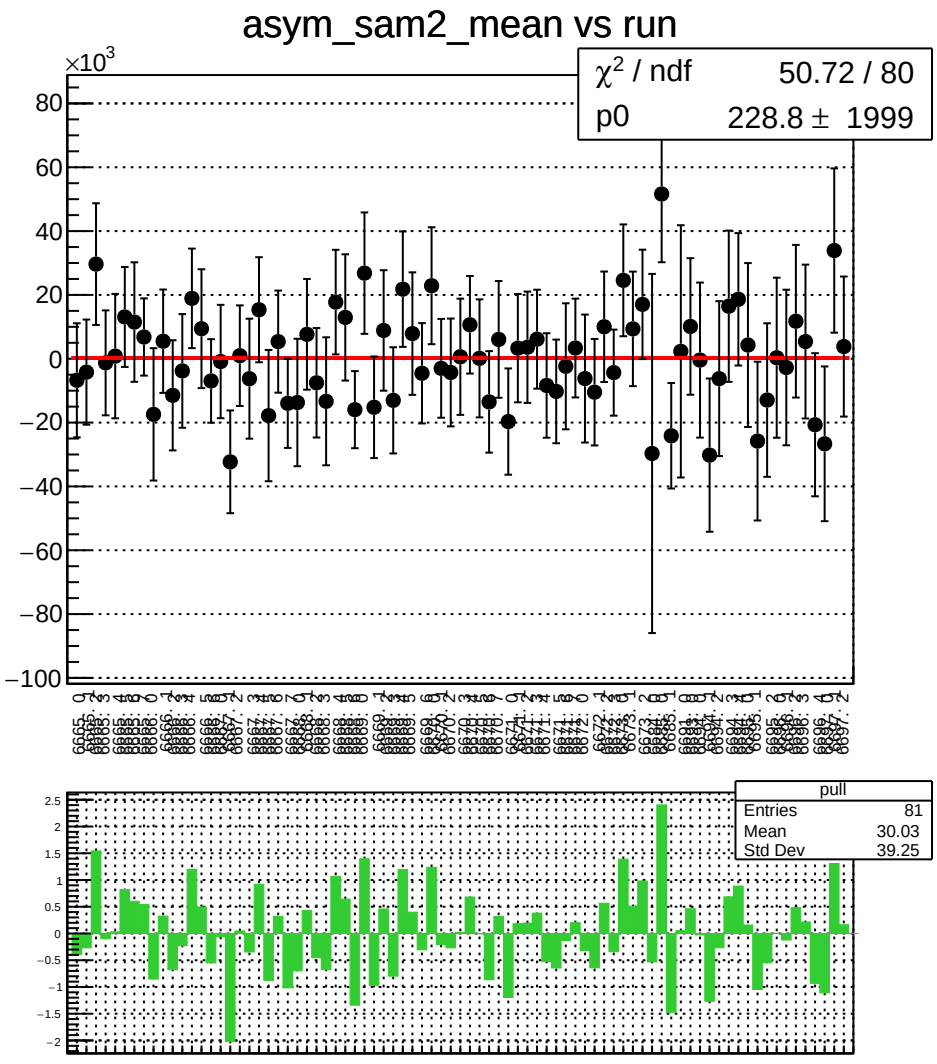


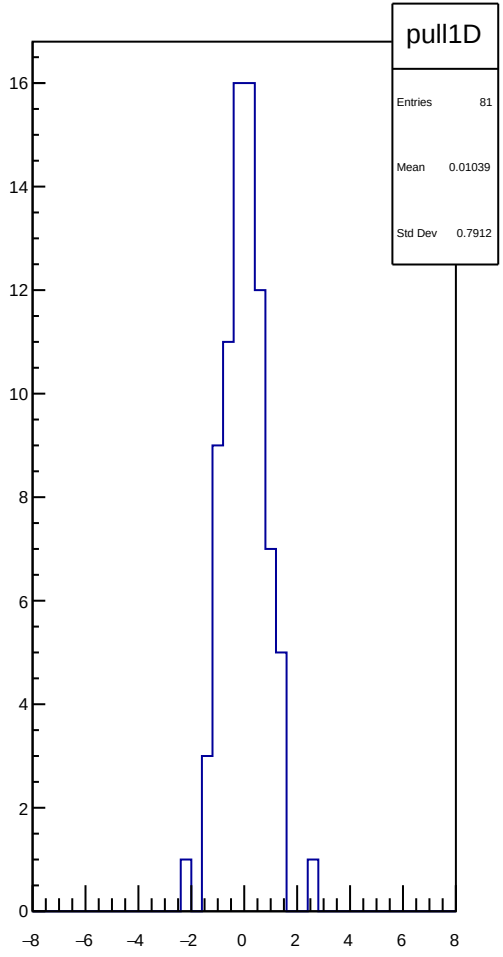

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 45.74 / 80
p0 −375.3 ± 1996
pull
Entries 81
Mean 30.8
Std Dev 33.1

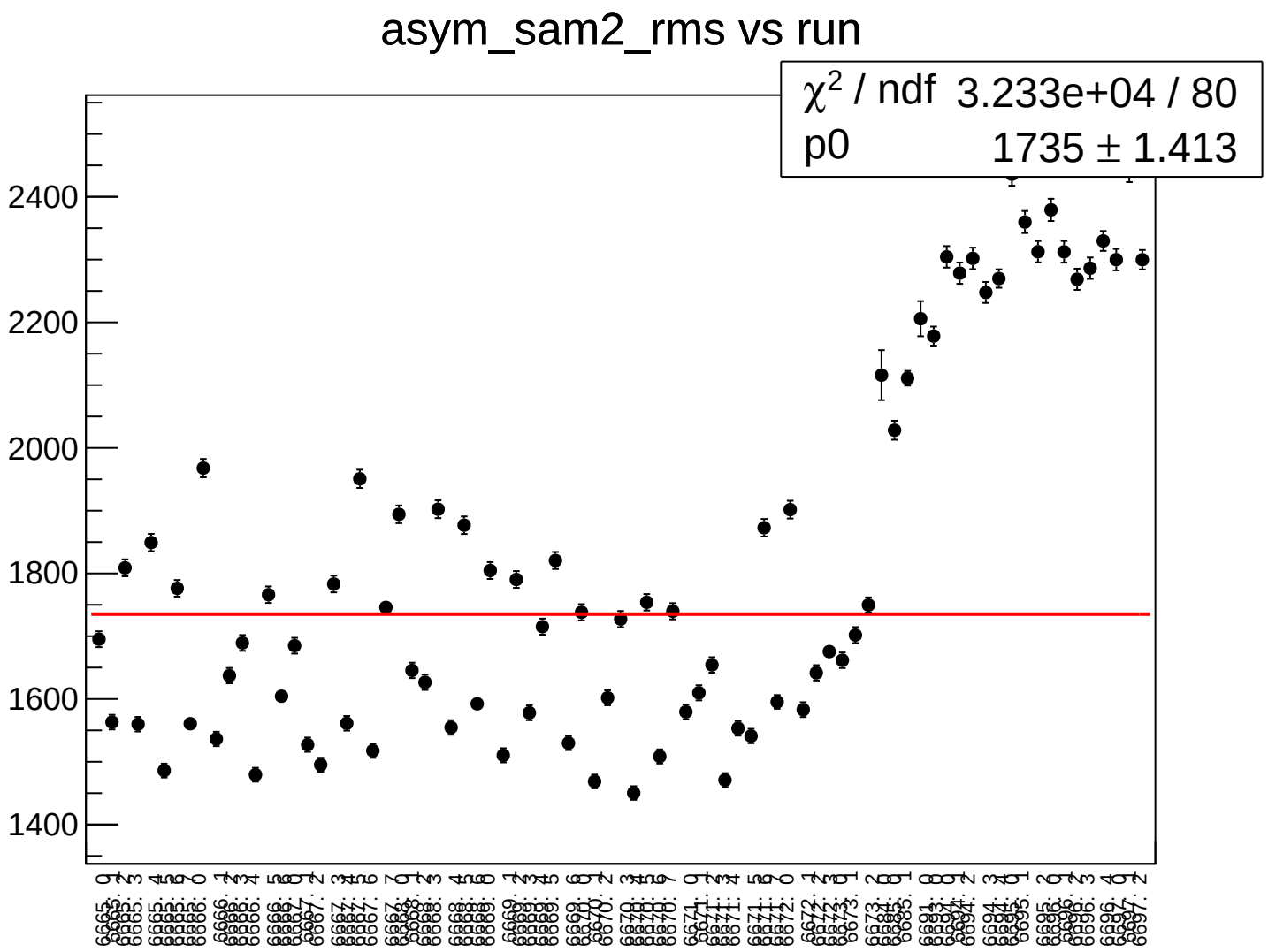

pull1D
Entries 81
Mean −0.00771
Std Dev 0.7515

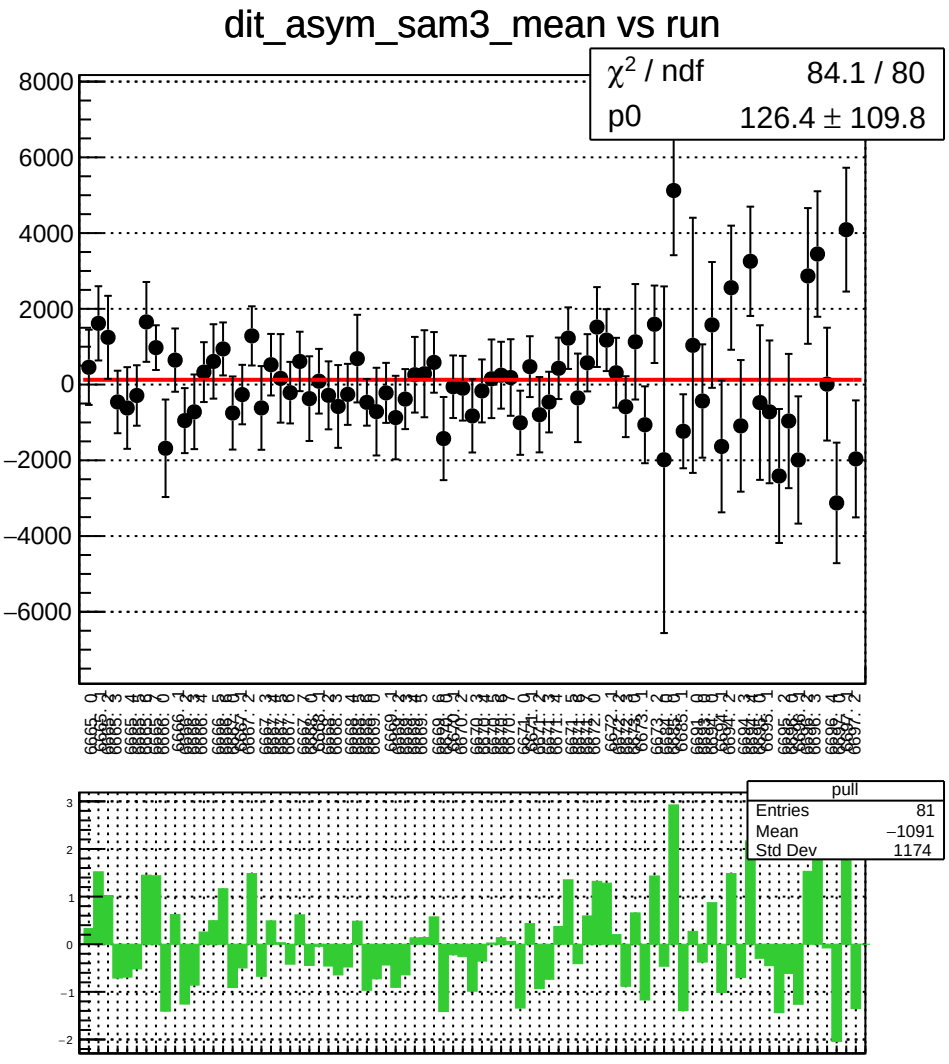
asym_sam2_correction_rms vs run

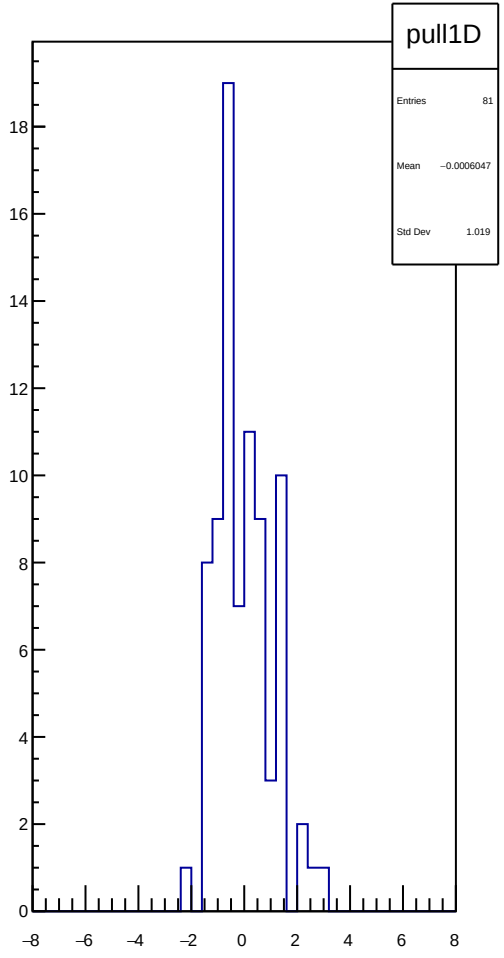



asym_sam2_mean vs run
×10^3
χ² / ndf 50.72 / 80
p0 228.8 ± 1999
pull
Entries 81
Mean 30.03
Std Dev 39.25

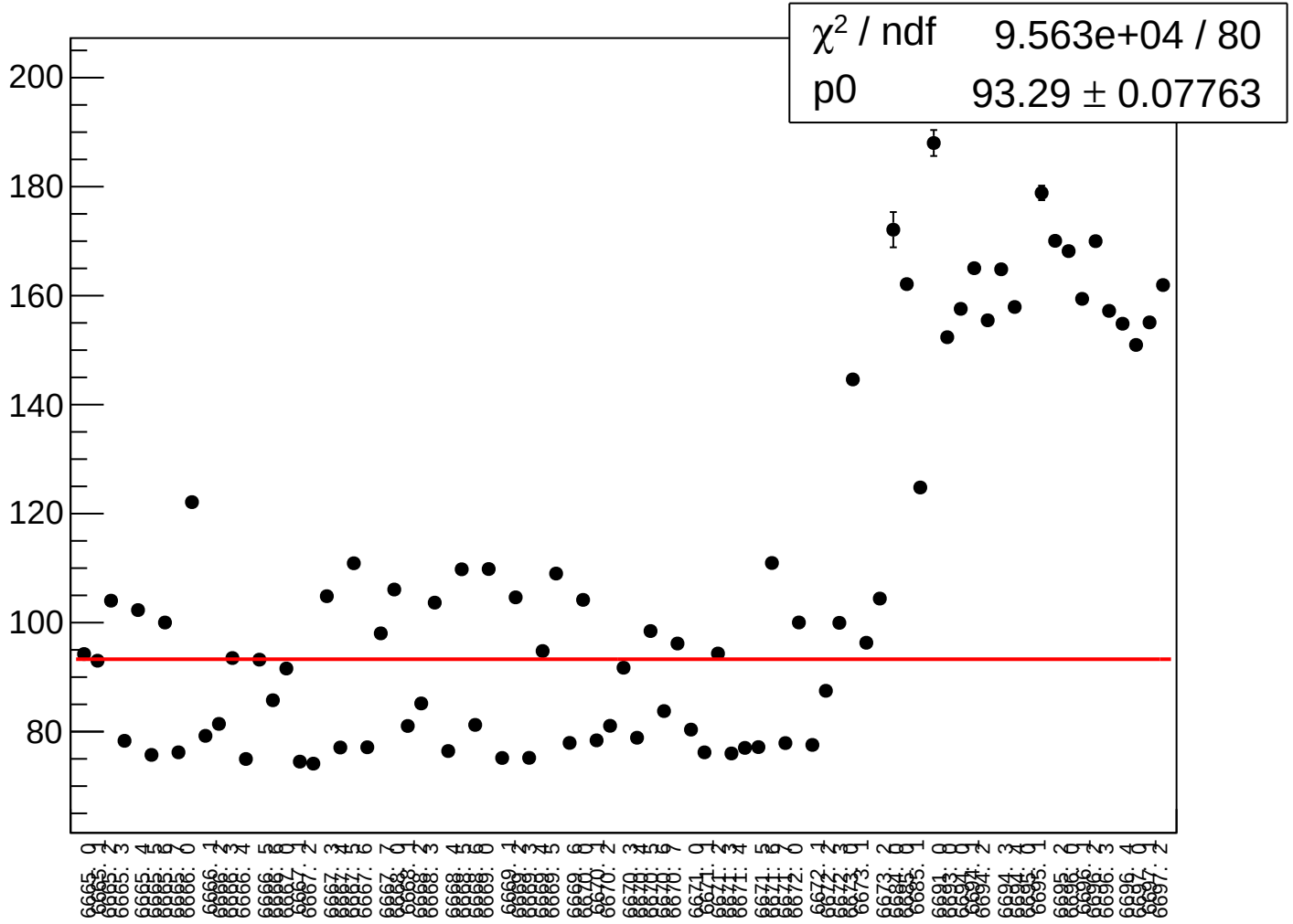

pull1D
Entries 81
Mean 0.01039
Std Dev 0.7912

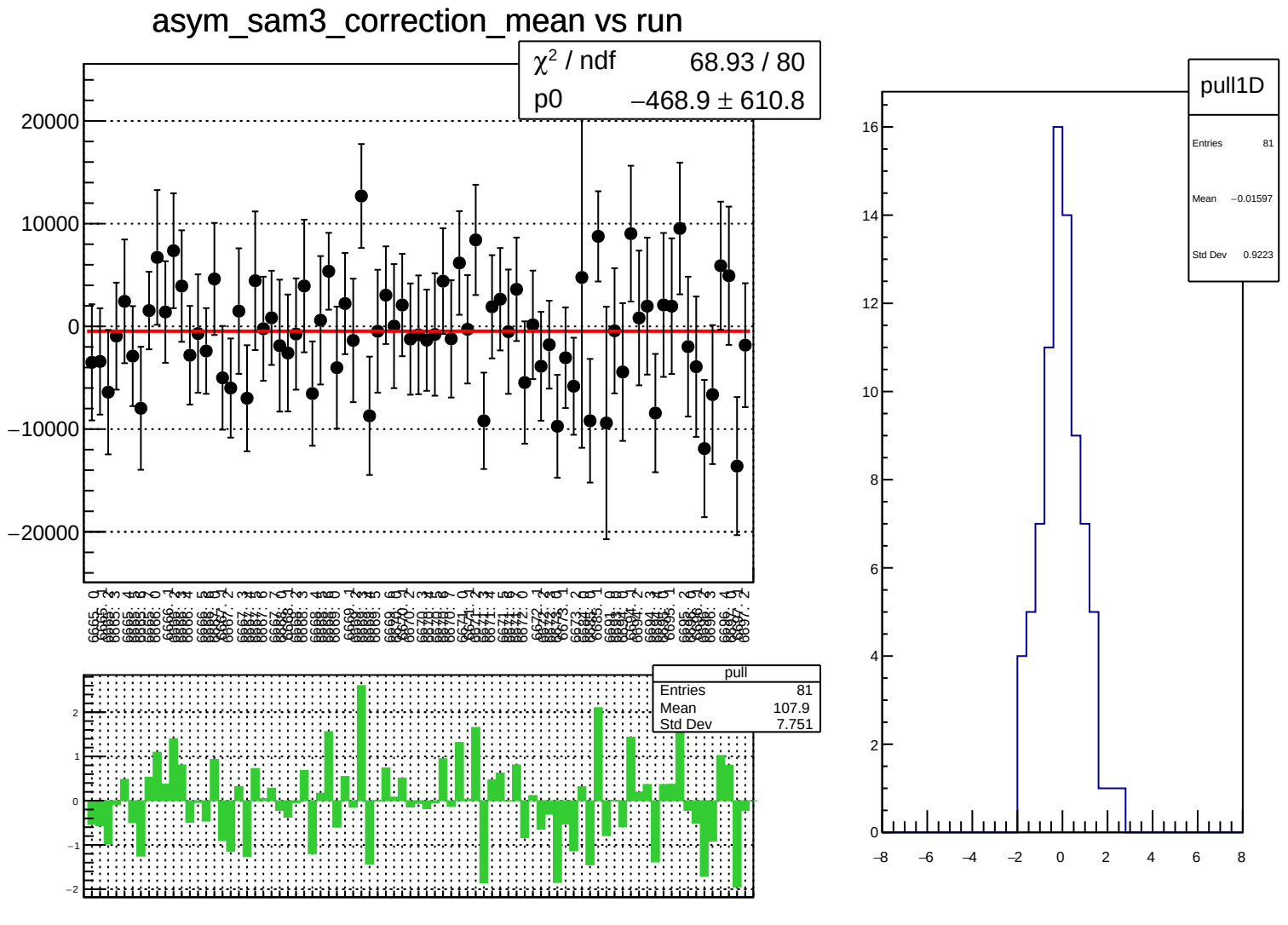

asym_sam2_rms vs run
χ^2 / ndf 3.233e+04 / 80
p0 1735 ± 1.413
2400
2200
2000
1800
1600
1400


dit_asym_sam3_mean vs run
χ^2 / ndf 84.1 / 80
p0 126.4 ± 109.8
pull
Entries 81
Mean −1091
Std Dev 1174

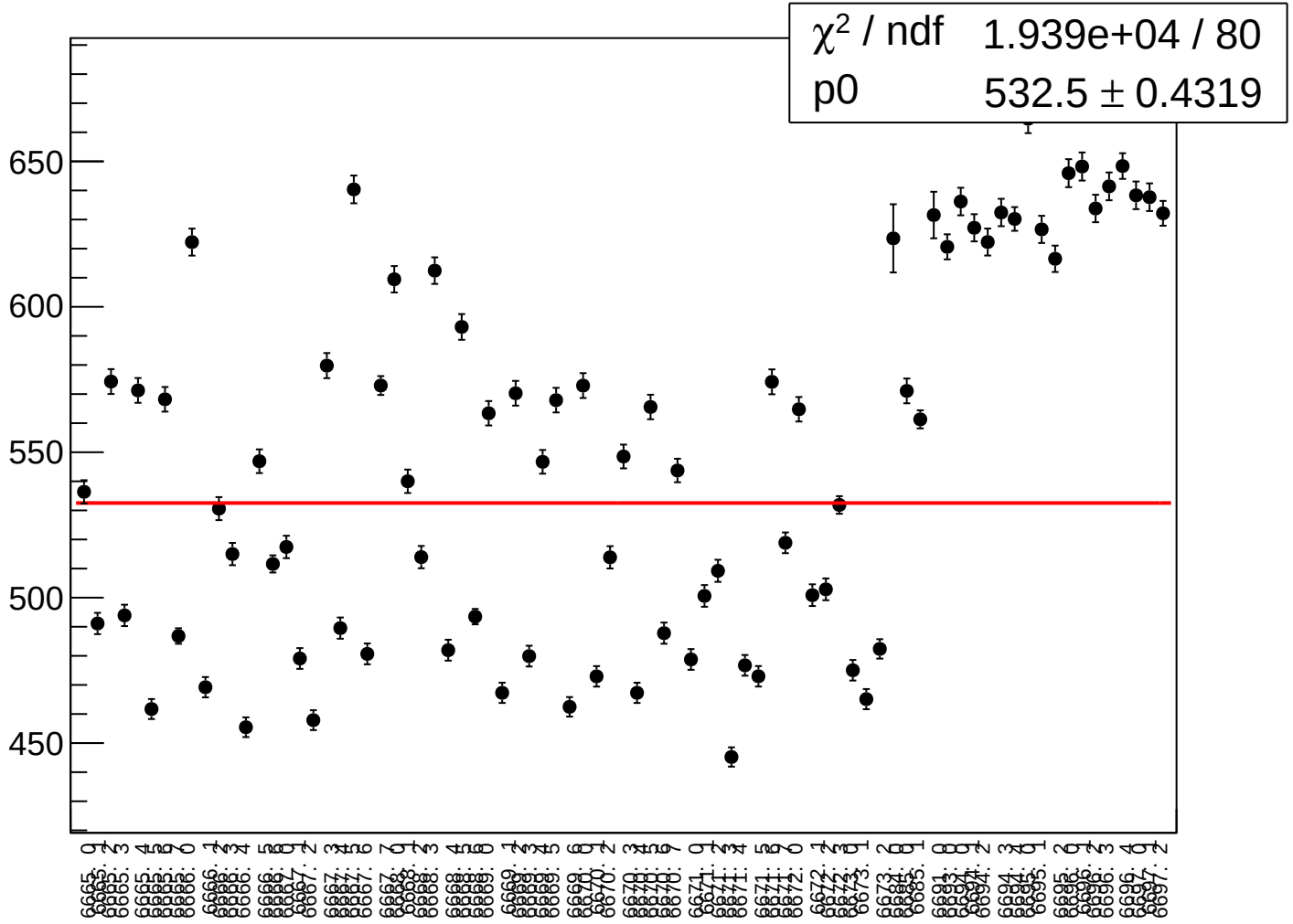

pull1D
Entries 81
Mean −0.0006047
Std Dev 1.019

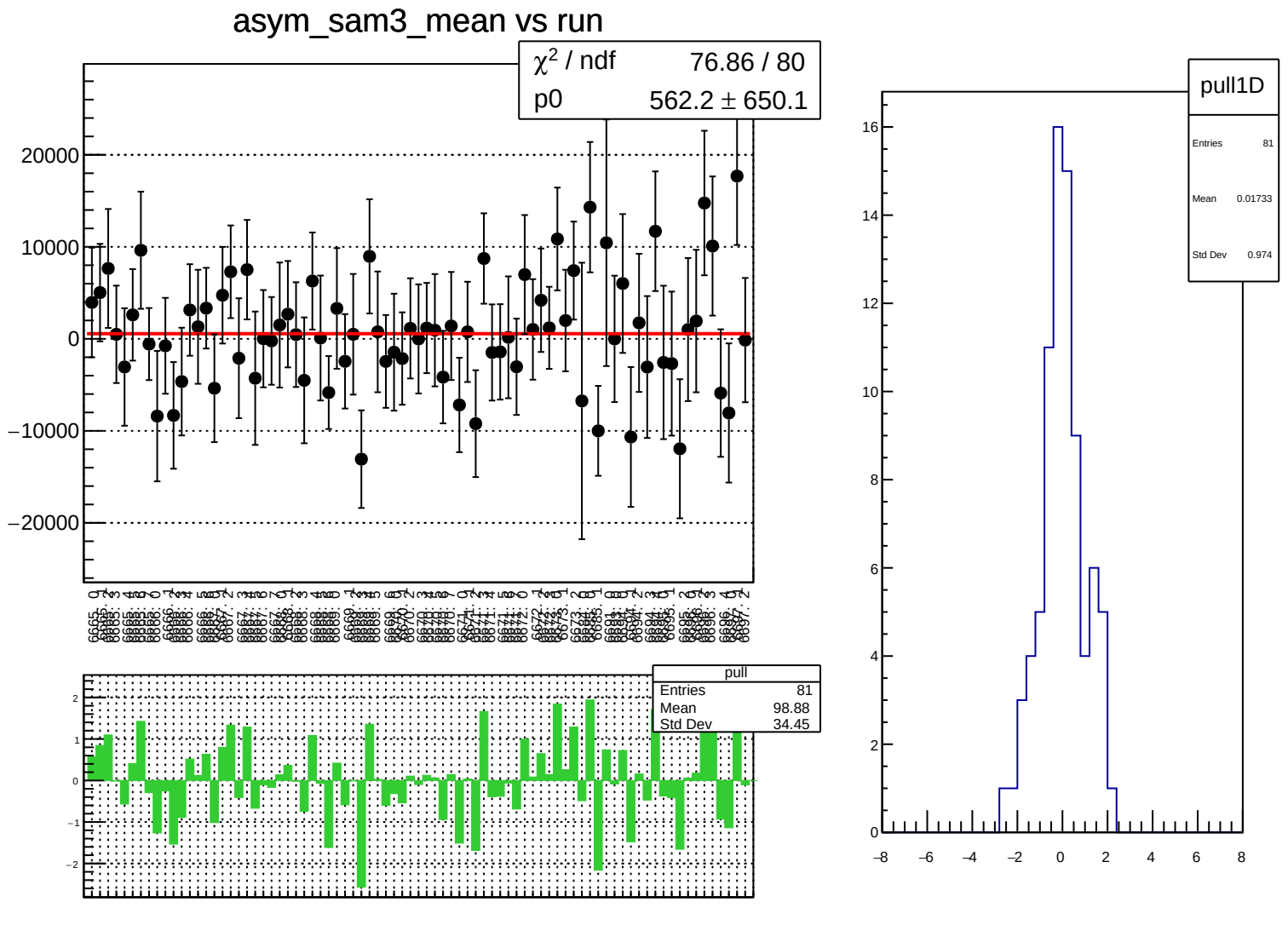
dit_asym_sam3_rms vs run

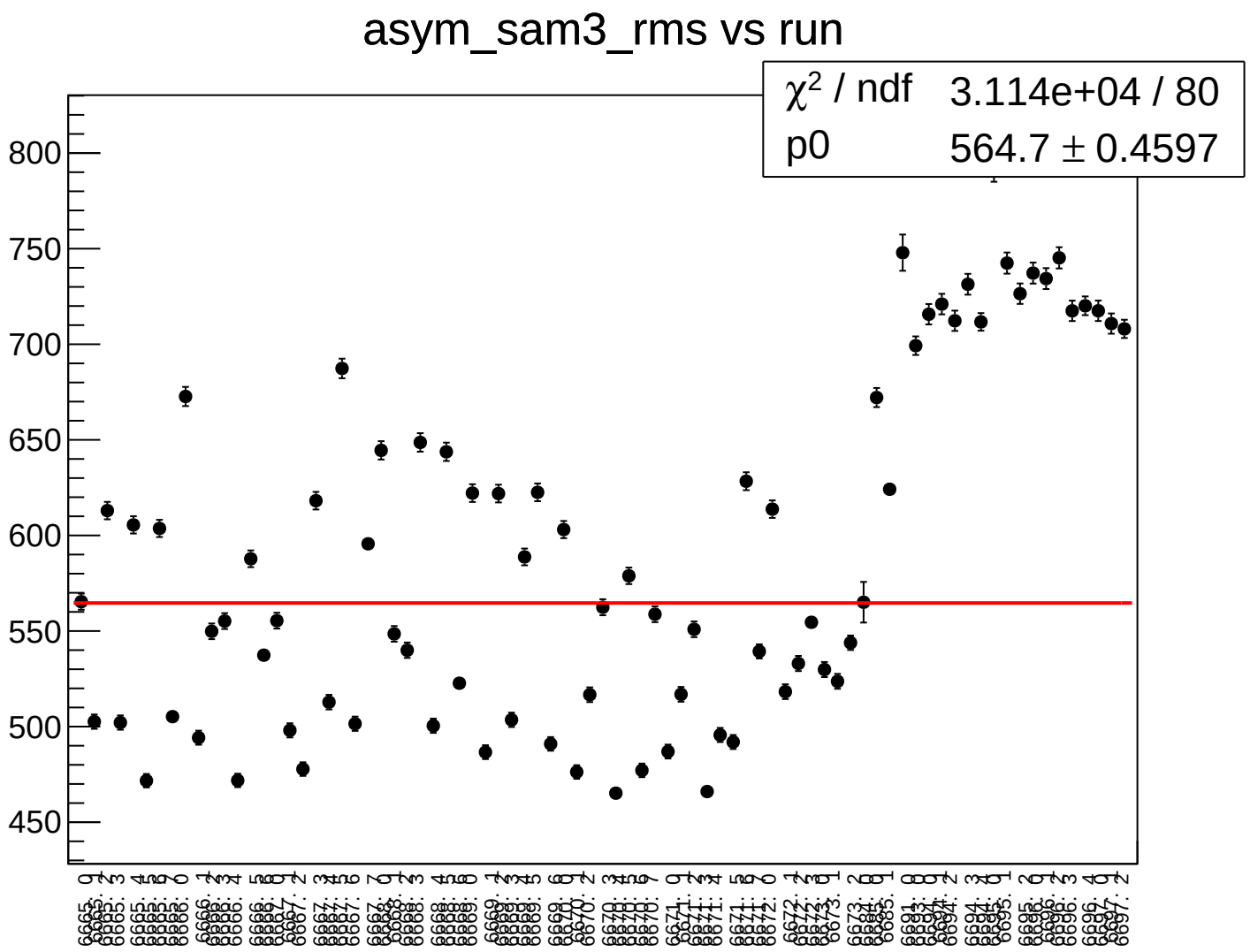


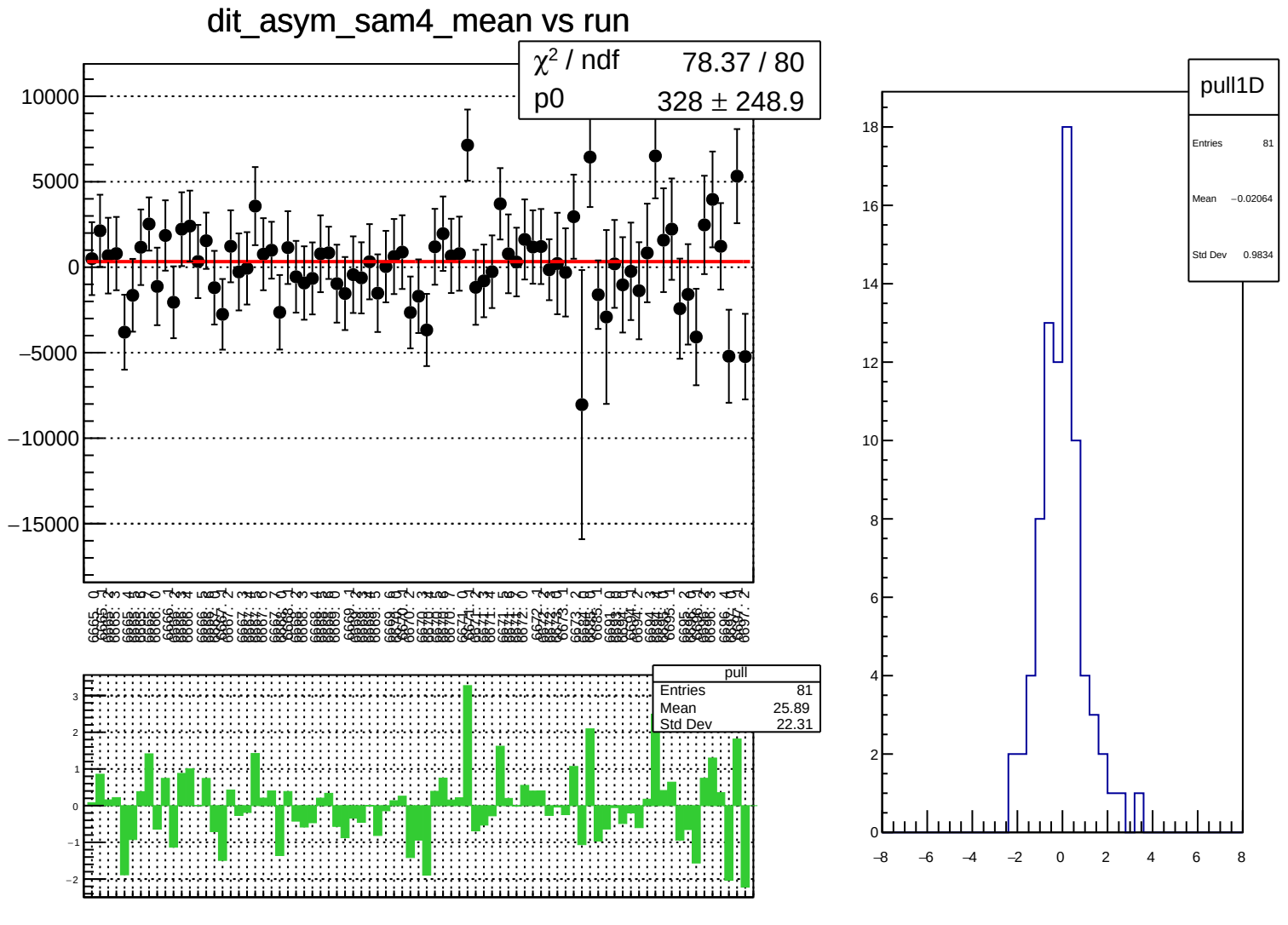

asym_sam3_correction_mean vs run
χ² / ndf 68.93 / 80
p0 −468.9 ± 610.8
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 107.9
Std Dev 7.751
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01597
Std Dev 0.9223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_correction_rms vs run

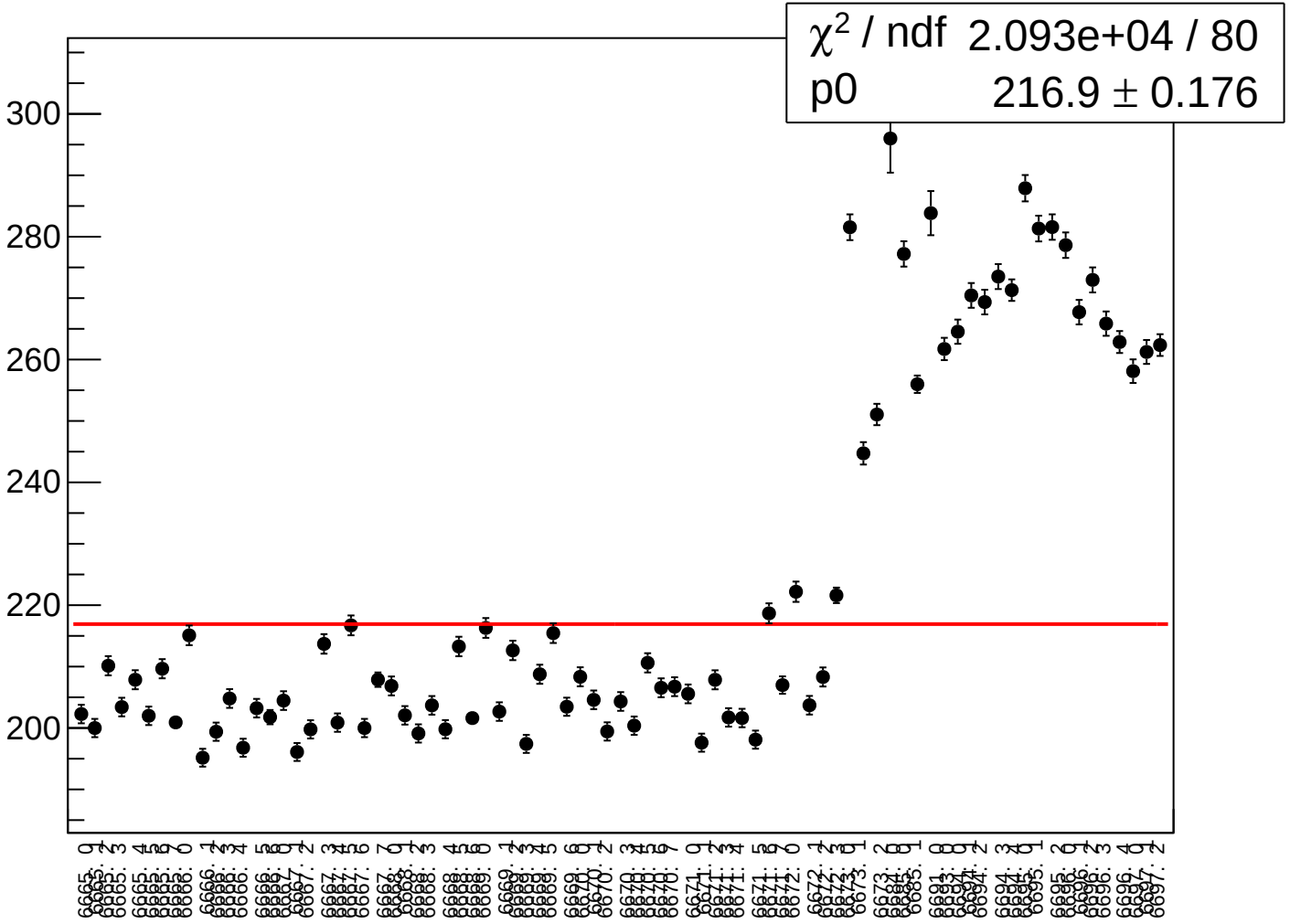


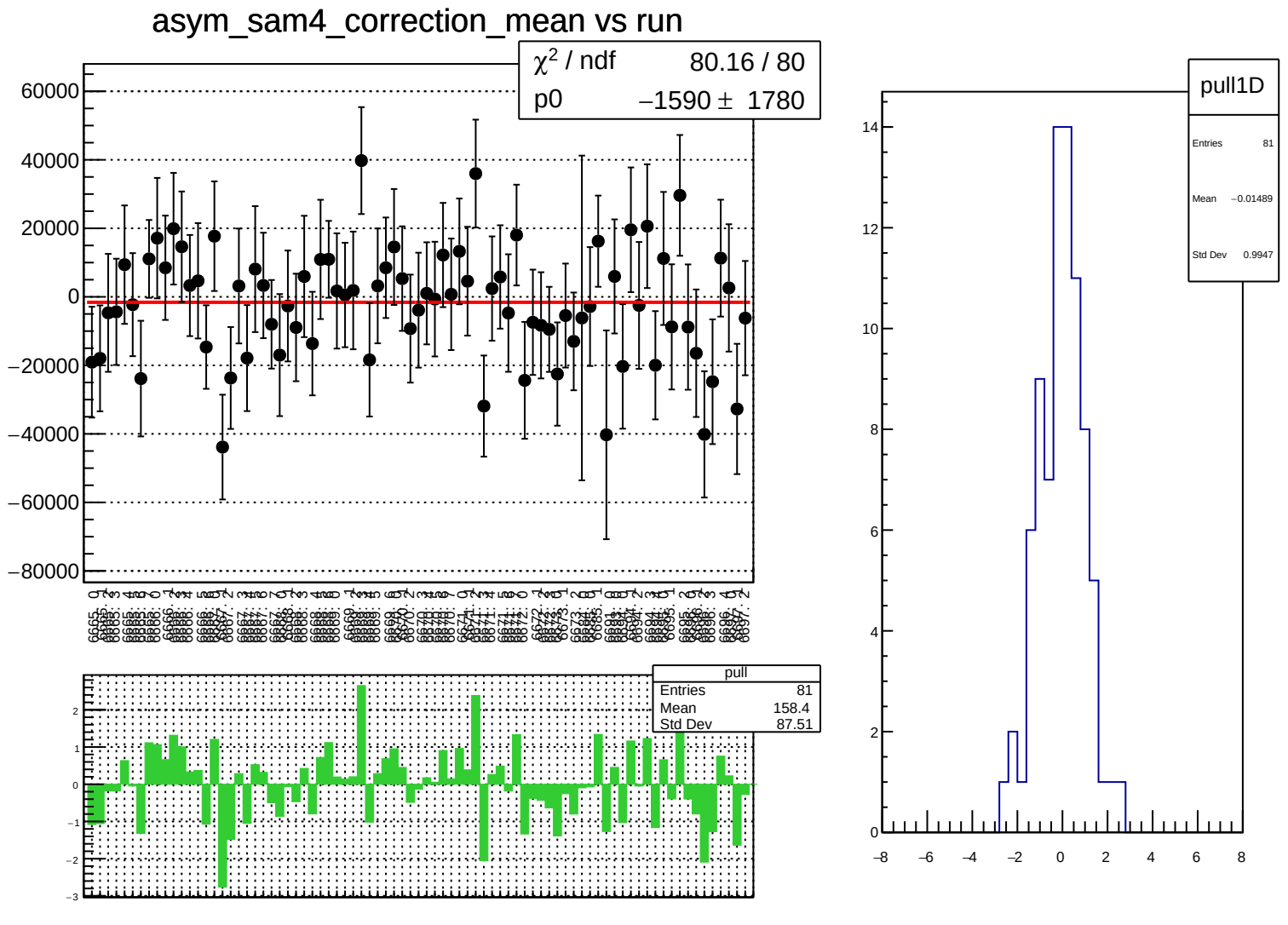

asym_sam3_mean vs run
χ² / ndf 76.86 / 80
p0 562.2 ± 650.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 98.88
Std Dev 34.45
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01733
Std Dev 0.974
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

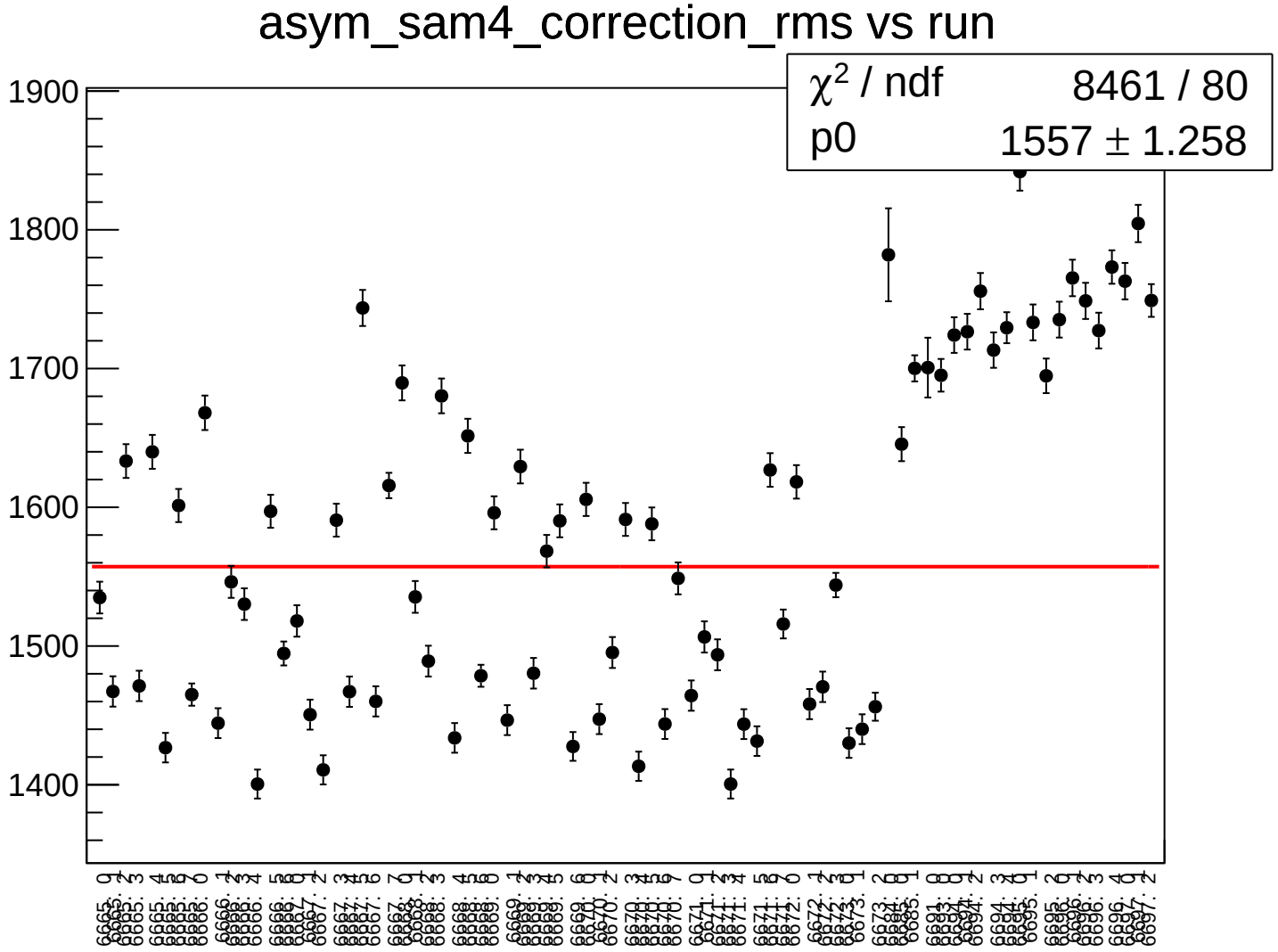

asym_sam3_rms vs run
χ^2 / ndf 3.114e+04 / 80
p0 564.7 ± 0.4597
800
750
700
650
600
550
500
450

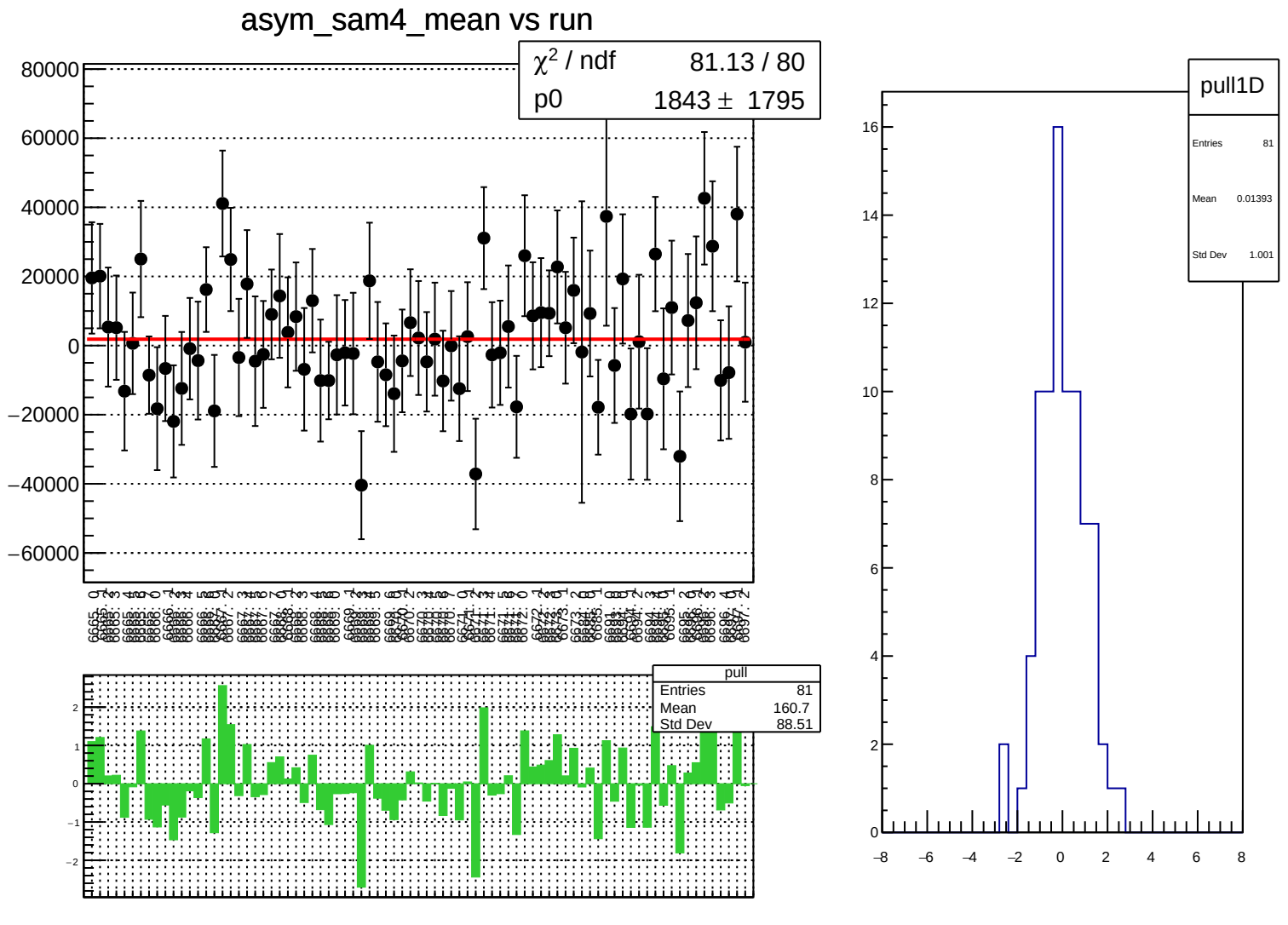

dit_asym_sam4_mean vs run
χ² / ndf 78.37 / 80
p0 328 ± 248.9
pull
Entries 81
Mean 25.89
Std Dev 22.31
pull1D
Entries 81
Mean −0.02064
Std Dev 0.9834

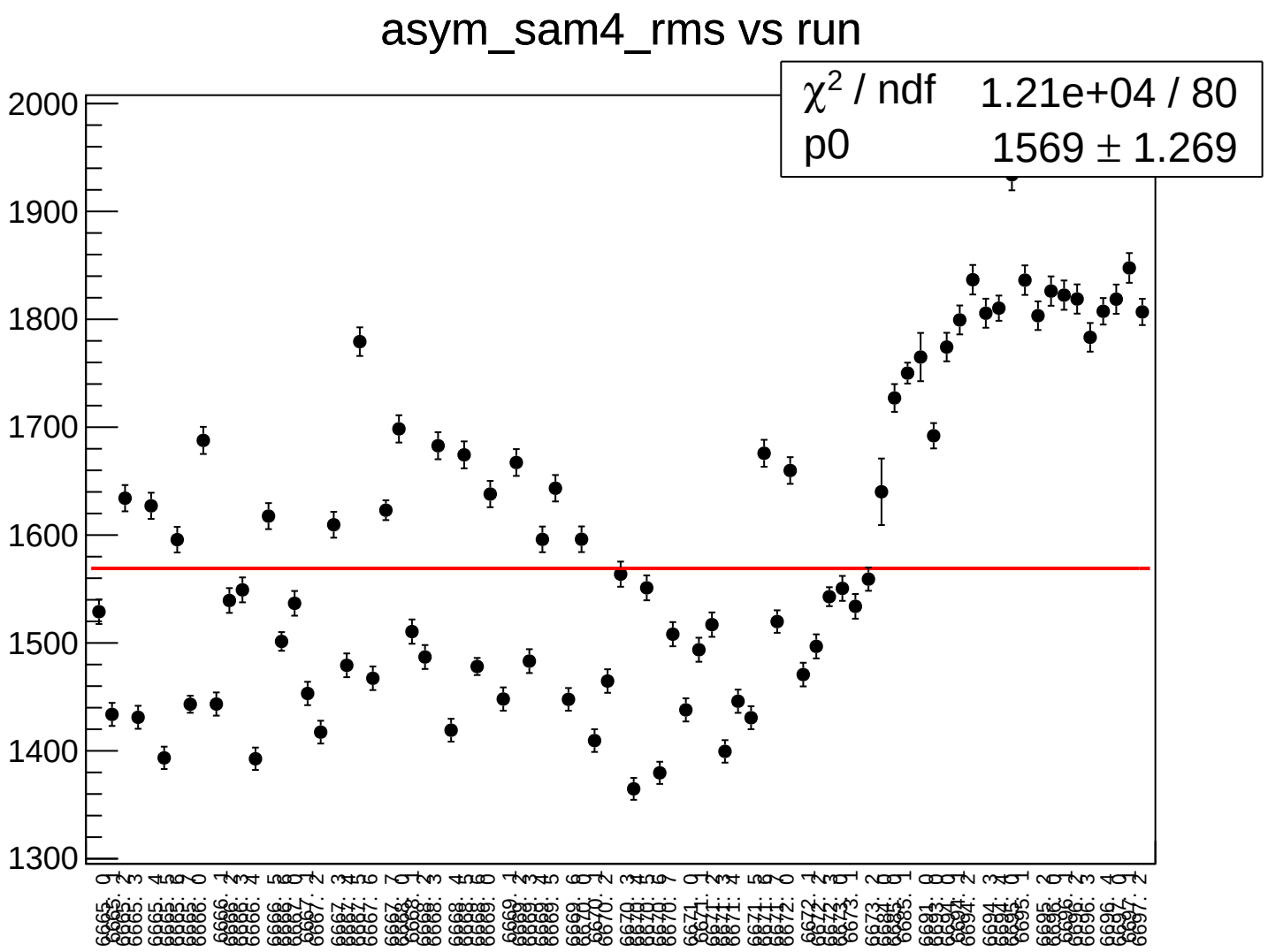
dit_asym_sam4_rms vs run

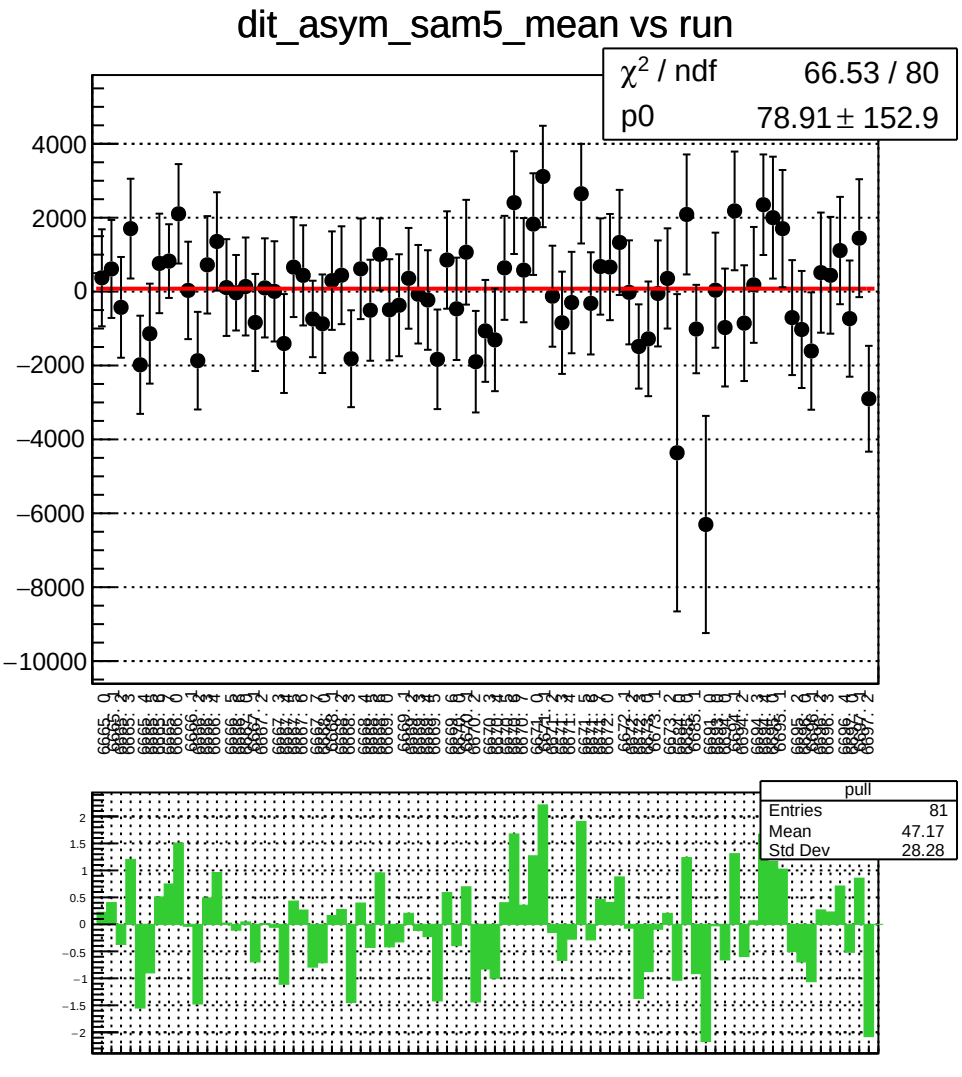


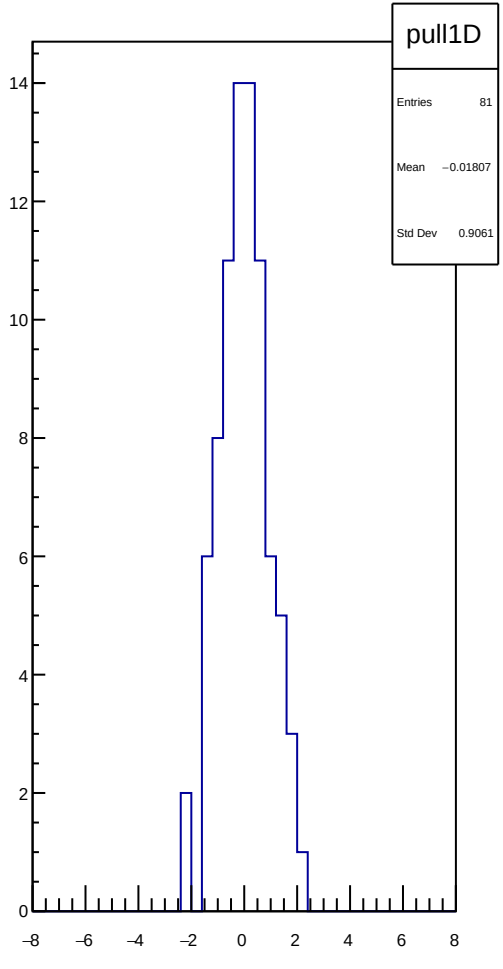

asym_sam4_correction_mean vs run
χ² / ndf 80.16 / 80
p0 −1590 ± 1780
pull
Entries 81
Mean 158.4
Std Dev 87.51
pull1D
Entries 81
Mean −0.01489
Std Dev 0.9947


asym_sam4_correction_rms vs run
χ² / ndf 8461 / 80
p0 1557 ± 1.258
1900
1800
1700
1600
1500
1400

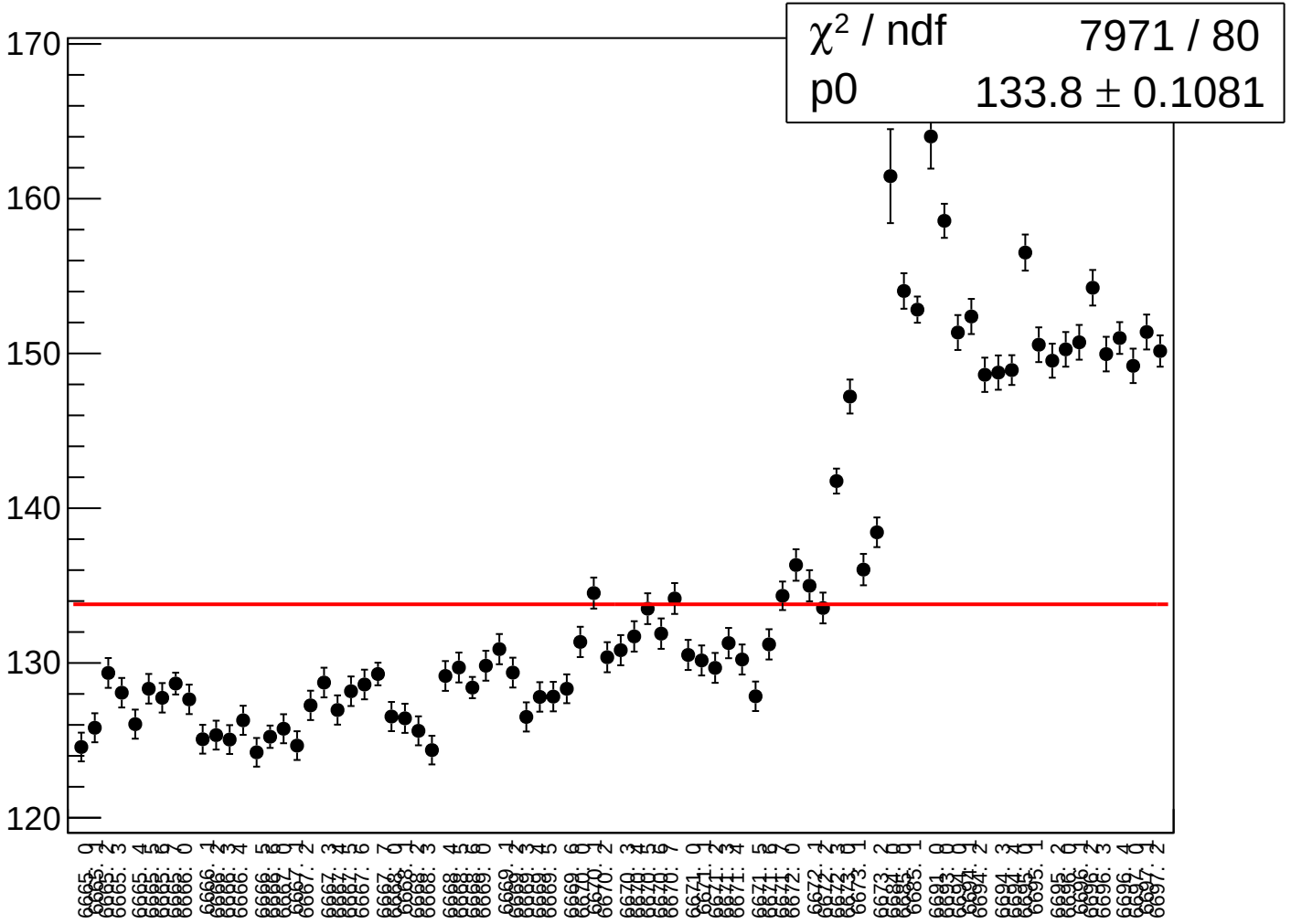

asym_sam4_mean vs run
χ² / ndf 81.13 / 80
p0 1843 ± 1795
pull
Entries 81
Mean 160.7
Std Dev 88.51
pull1D
Entries 81
Mean 0.01393
Std Dev 1.001

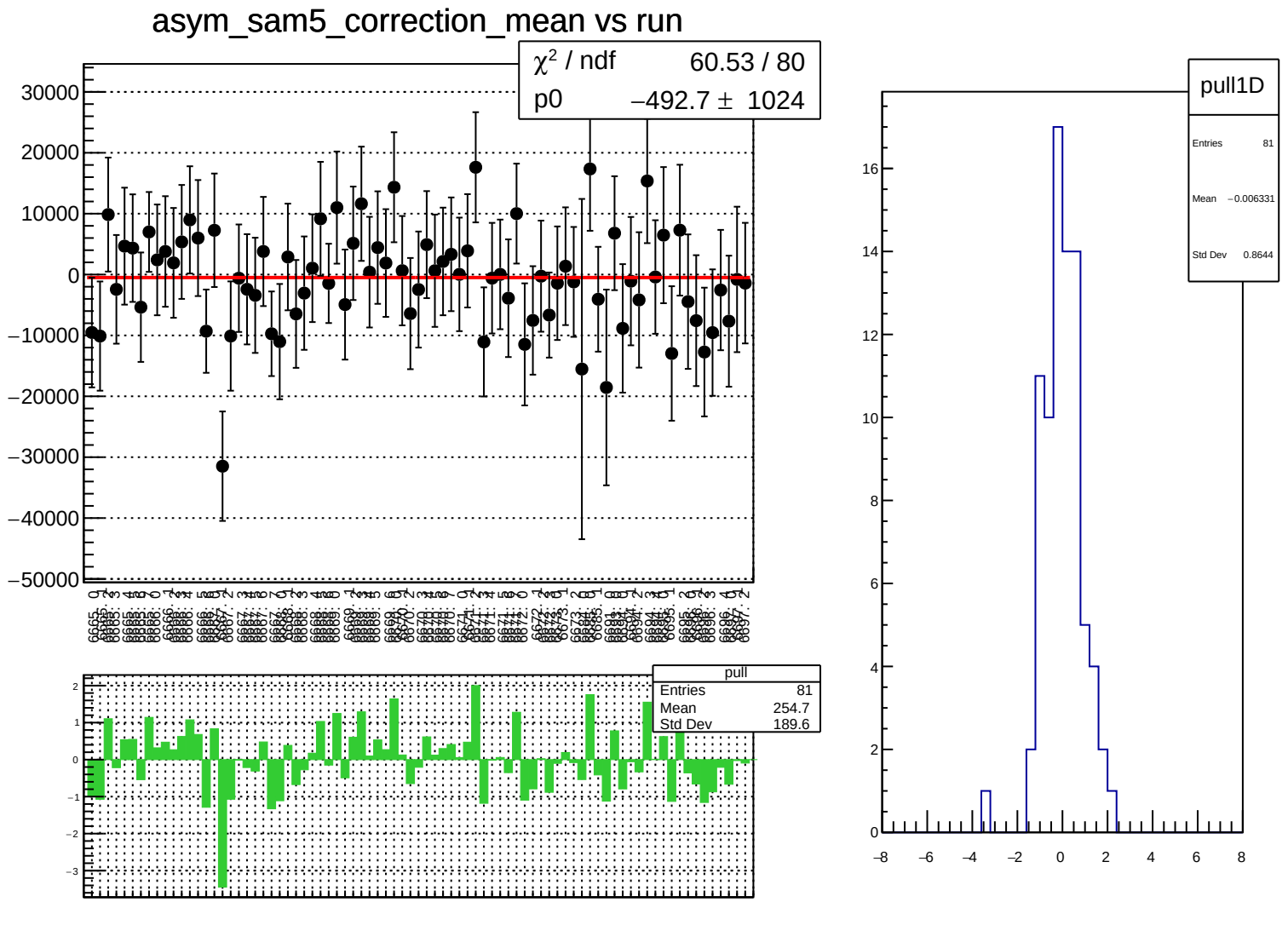

asym_sam4_rms vs run
χ² / ndf 1.21e+04 / 80
p0 1569 ± 1.269
2000
1900
1800
1700
1600
1500
1400
1300


dit_asym_sam5_mean vs run
χ^2 / ndf 66.53 / 80
p0 78.91 ± 152.9
pull
Entries 81
Mean 47.17
Std Dev 28.28

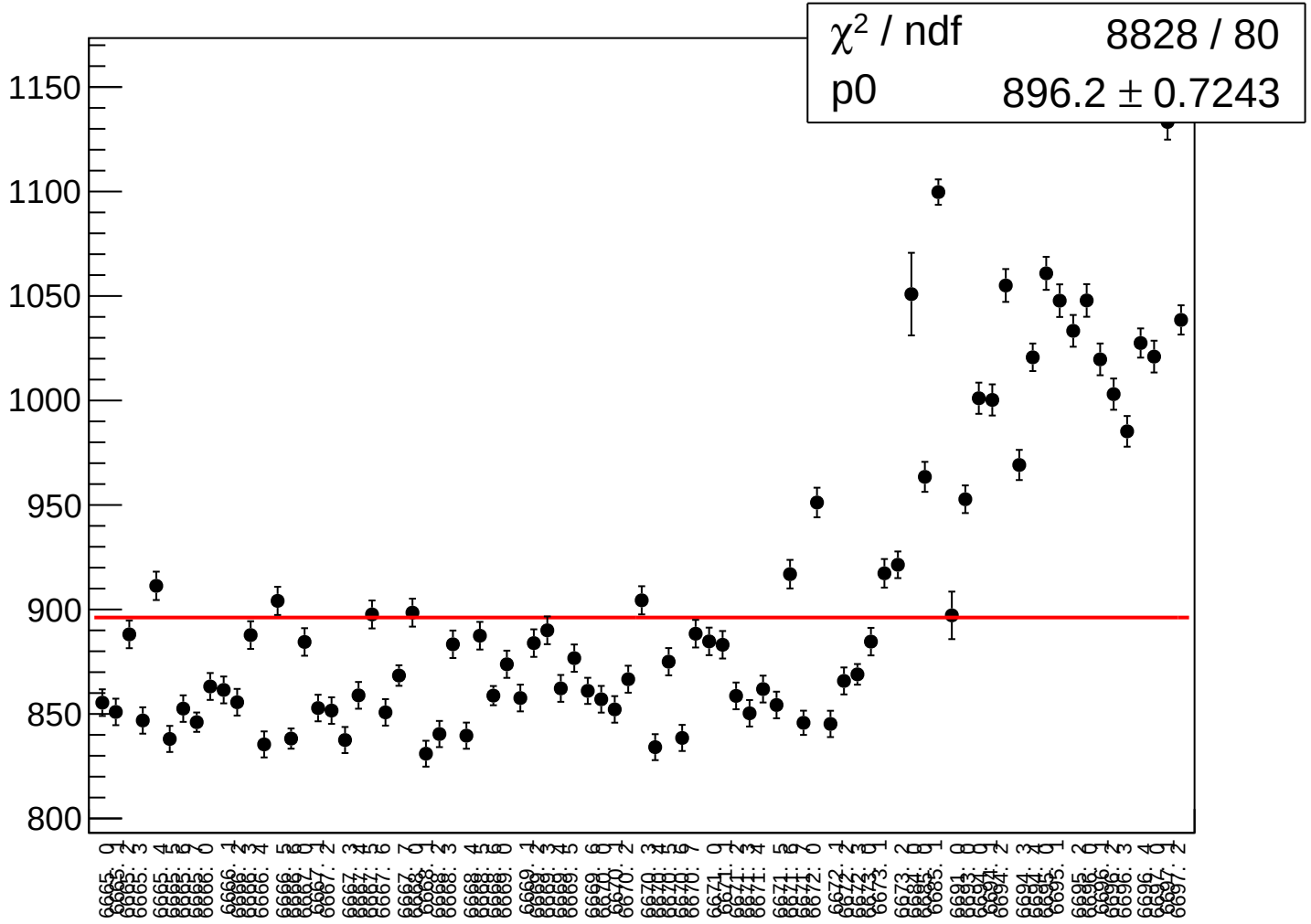

pull1D
Entries 81
Mean −0.01807
Std Dev 0.9061

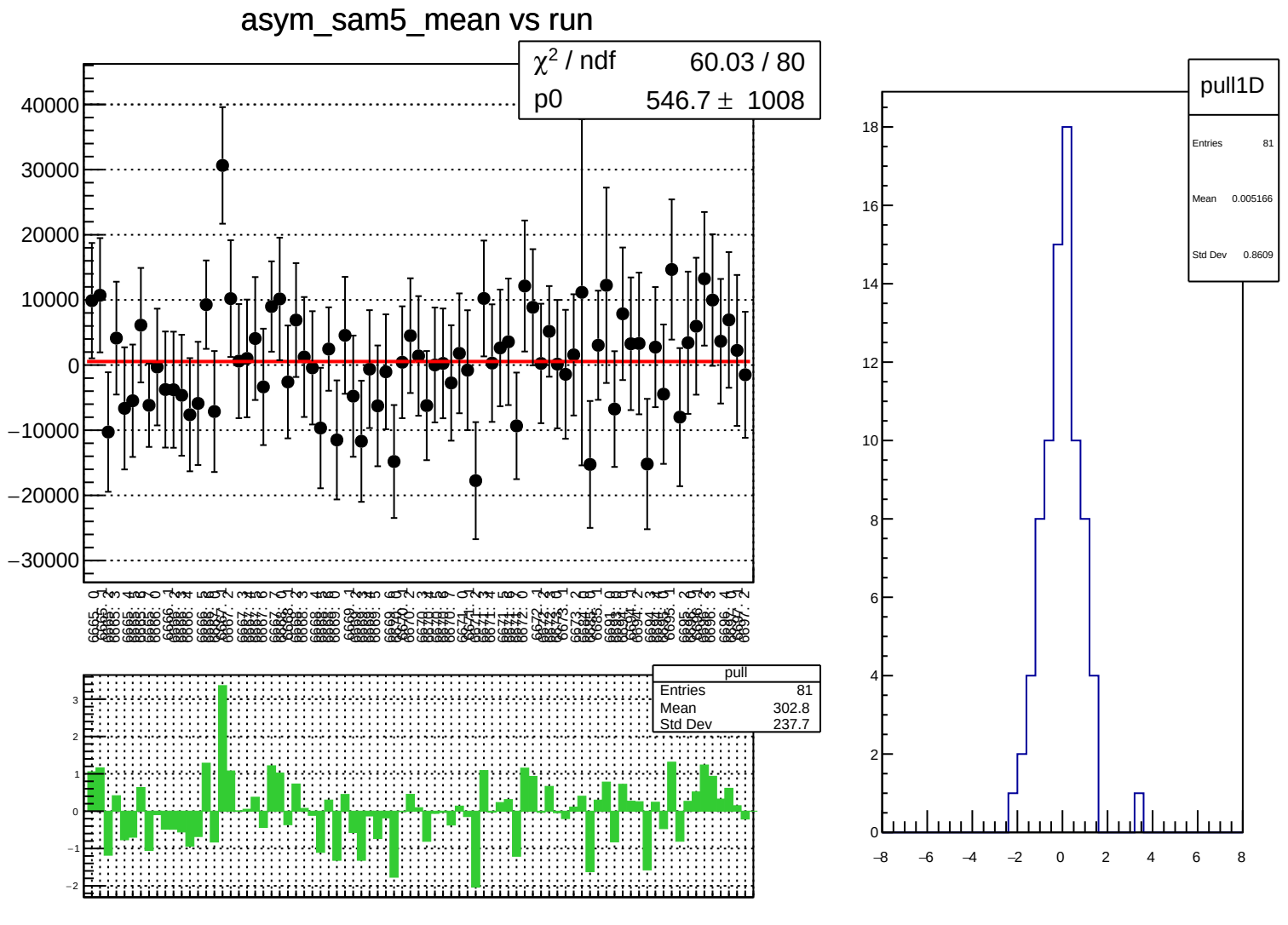
dit_asym_sam5_rms vs run

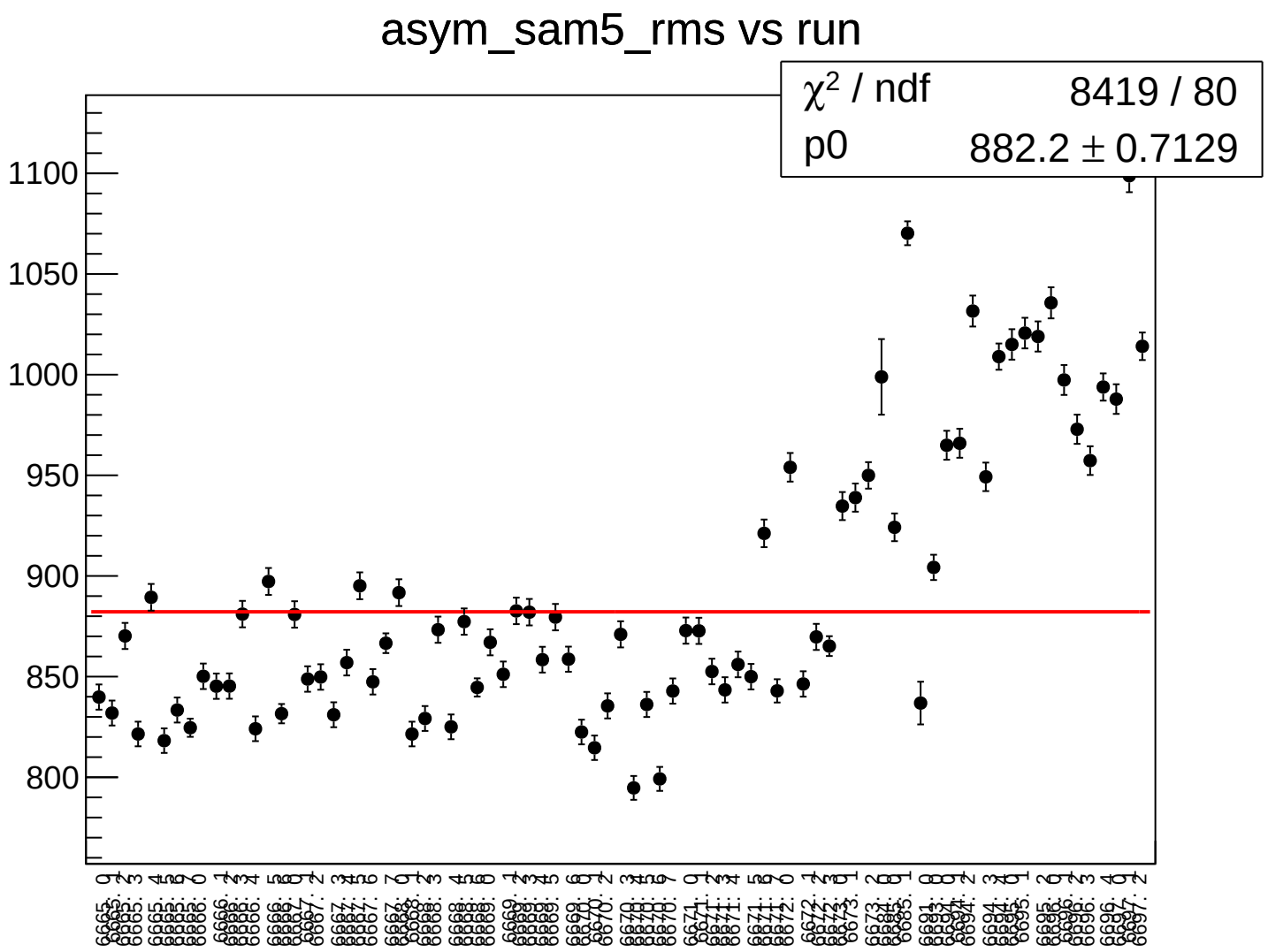


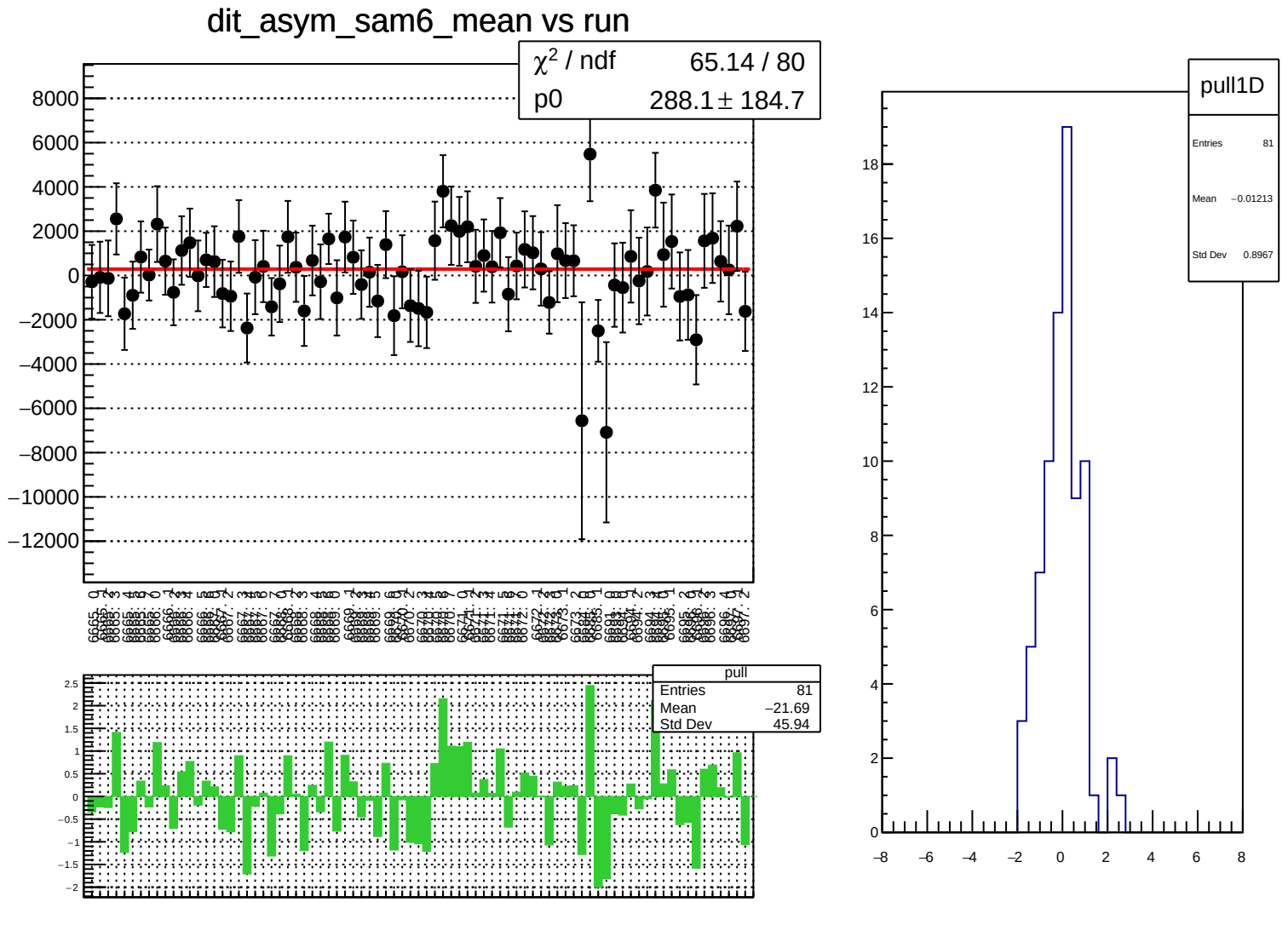

asym_sam5_correction_mean vs run
χ² / ndf 60.53 / 80
p0 −492.7 ± 1024
pull
Entries 81
Mean 254.7
Std Dev 189.6
pull1D
Entries 81
Mean −0.006331
Std Dev 0.8644

asym_sam5_correction_rms vs run

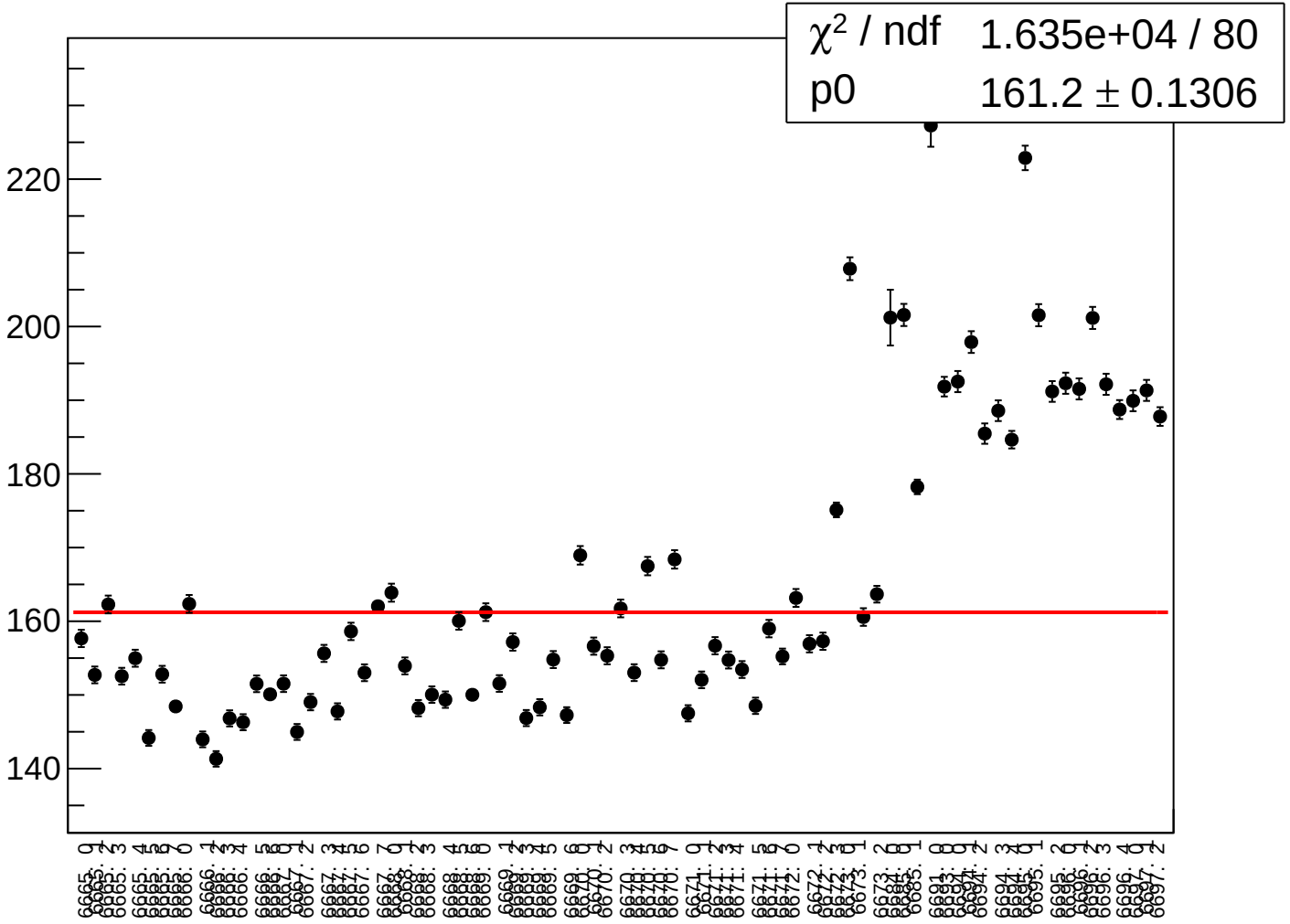


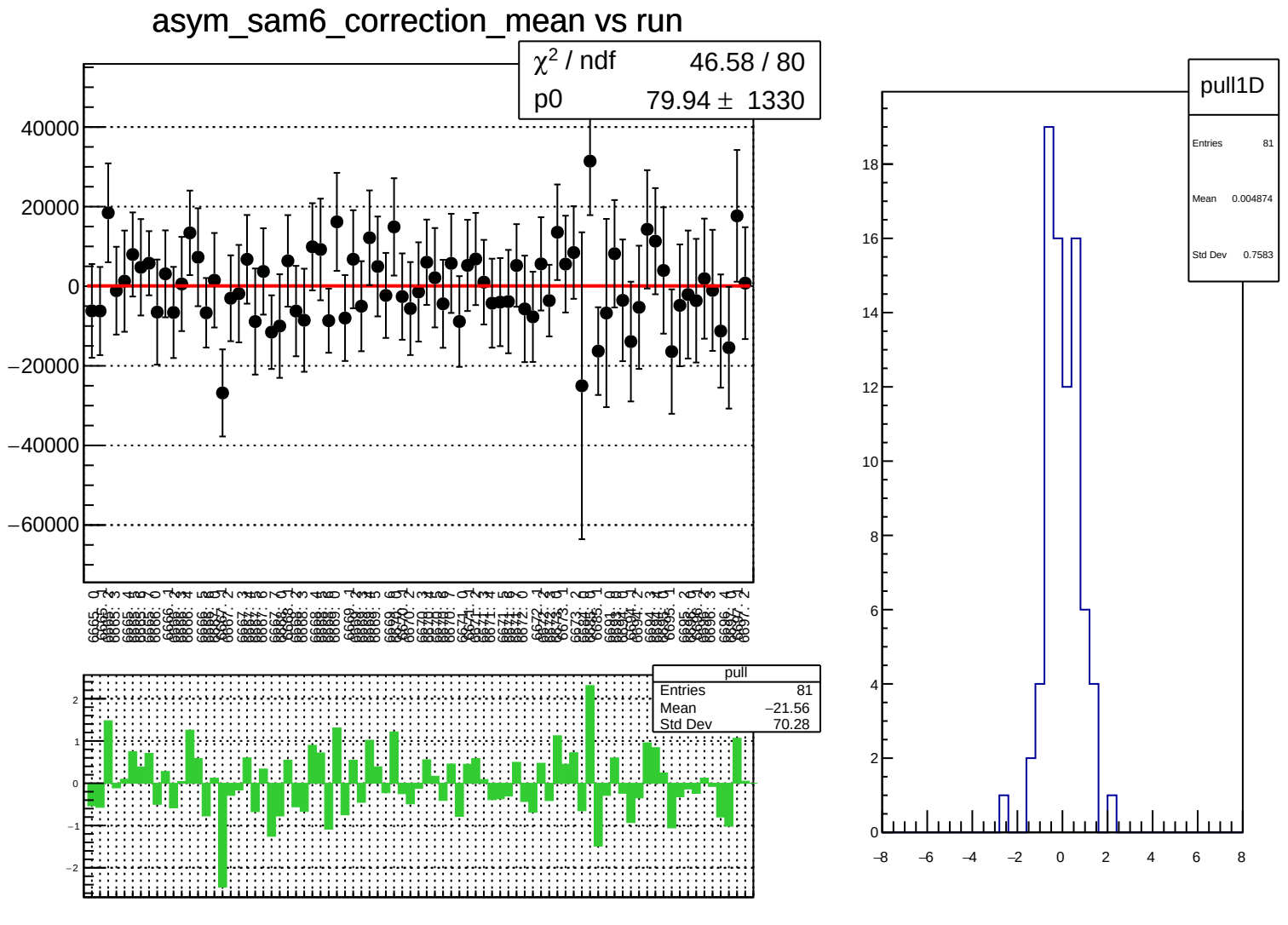

asym_sam5_mean vs run
χ^2 / ndf 60.03 / 80
p0 546.7 ± 1008
pull
Entries 81
Mean 302.8
Std Dev 237.7
pull1D
Entries 81
Mean 0.005166
Std Dev 0.8609


asym_sam5_rms vs run
χ² / ndf 8419 / 80
p0 882.2 ± 0.7129
1100
1050
1000
950
900
850
800

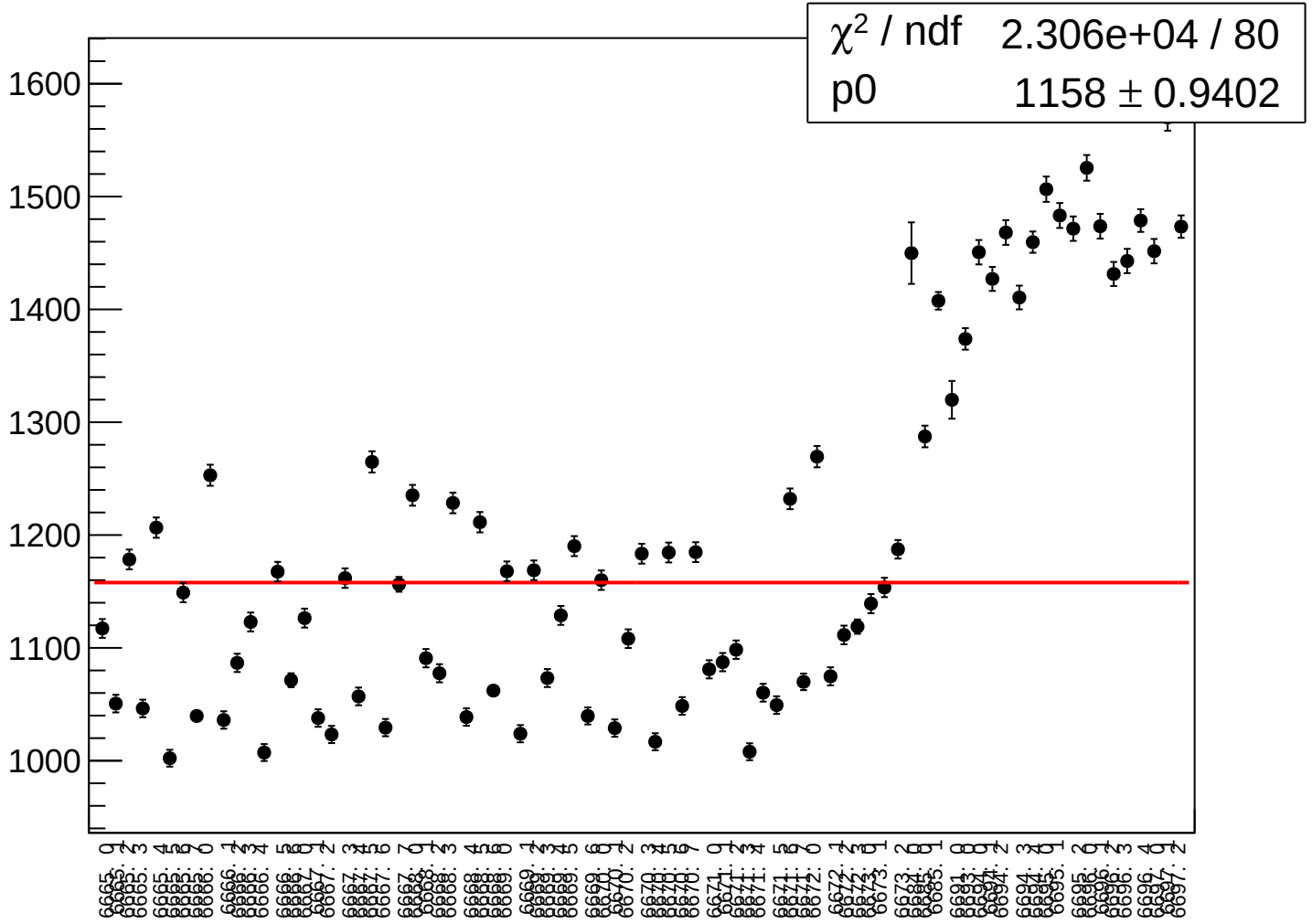

dit_asym_sam6_mean vs run
χ² / ndf 65.14 / 80
p0 288.1 ± 184.7
pull
Entries 81
Mean −21.69
Std Dev 45.94
pull1D
Entries 81
Mean −0.01213
Std Dev 0.8967

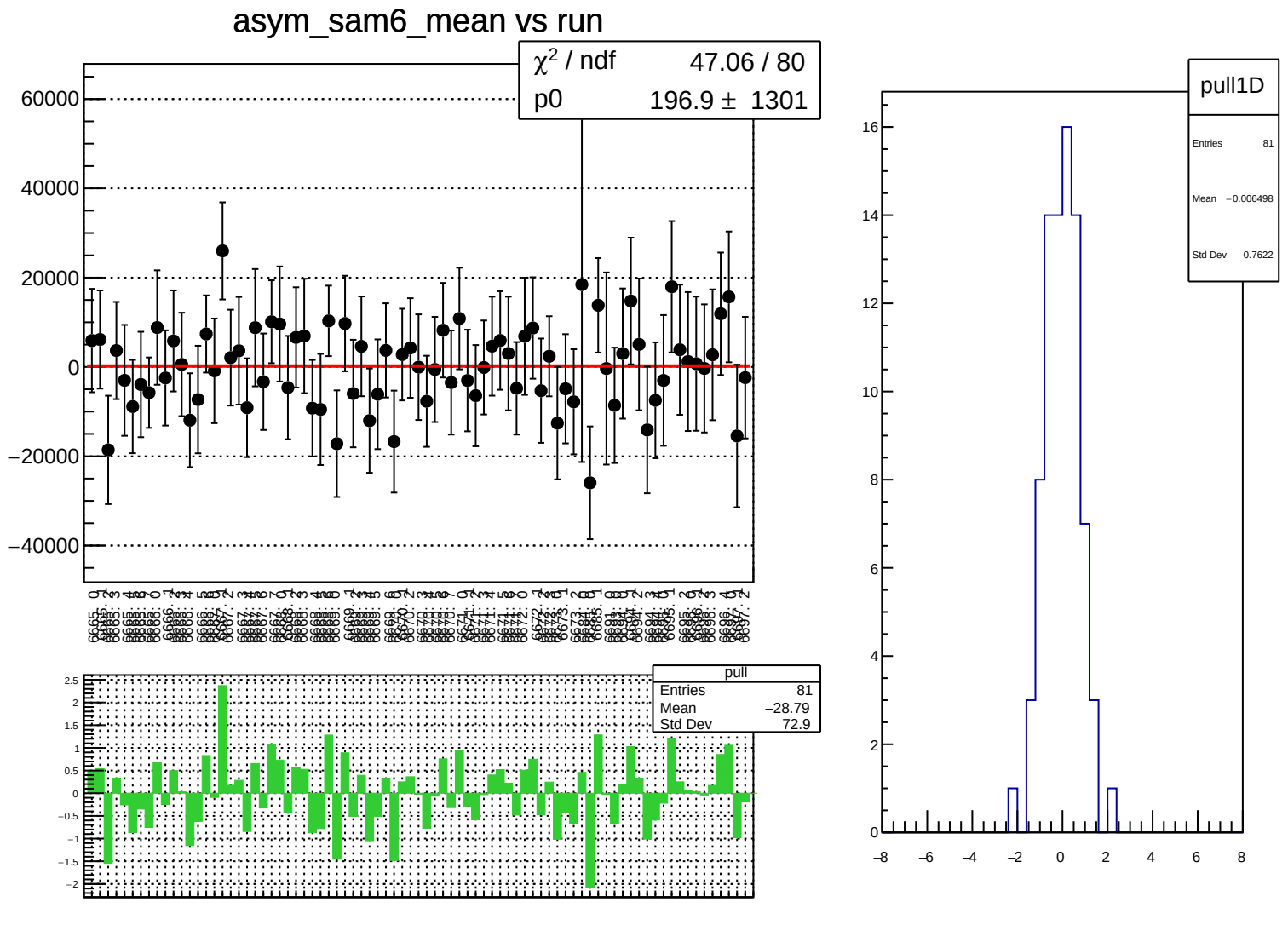
dit_asym_sam6_rms vs run

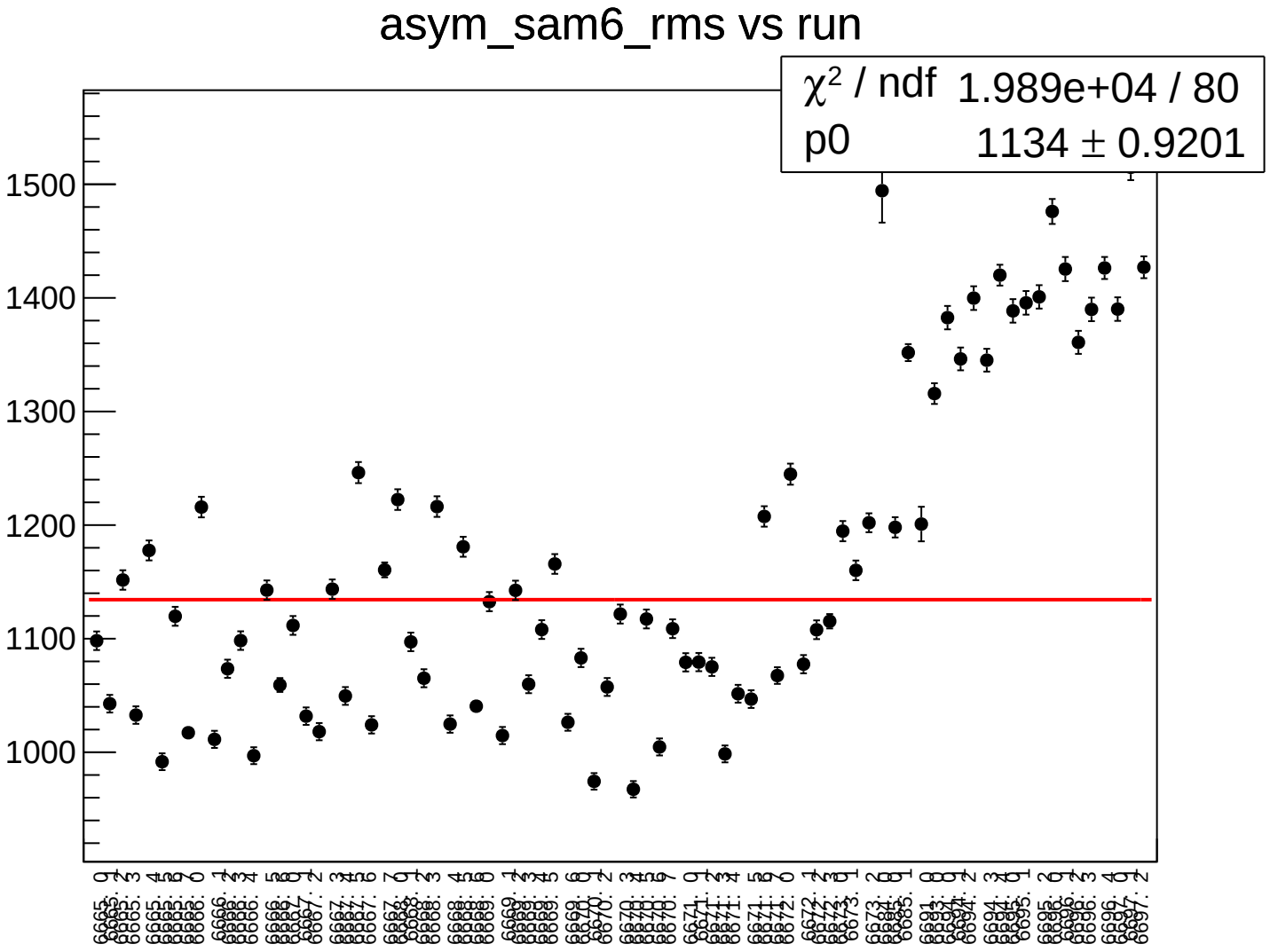


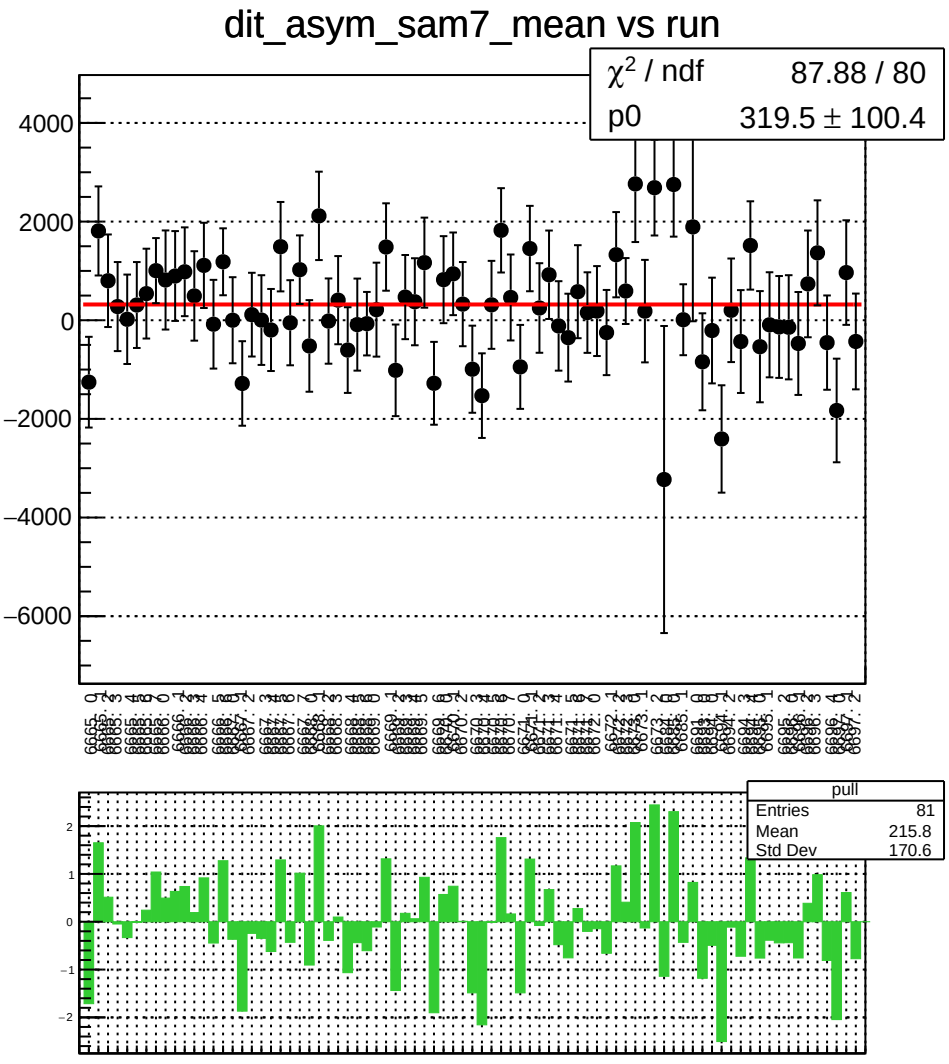

asym_sam6_correction_mean vs run
χ² / ndf 46.58 / 80
p0 79.94 ± 1330
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −21.56
Std Dev 70.28
pull1D
Entries 81
Mean 0.004874
Std Dev 0.7583

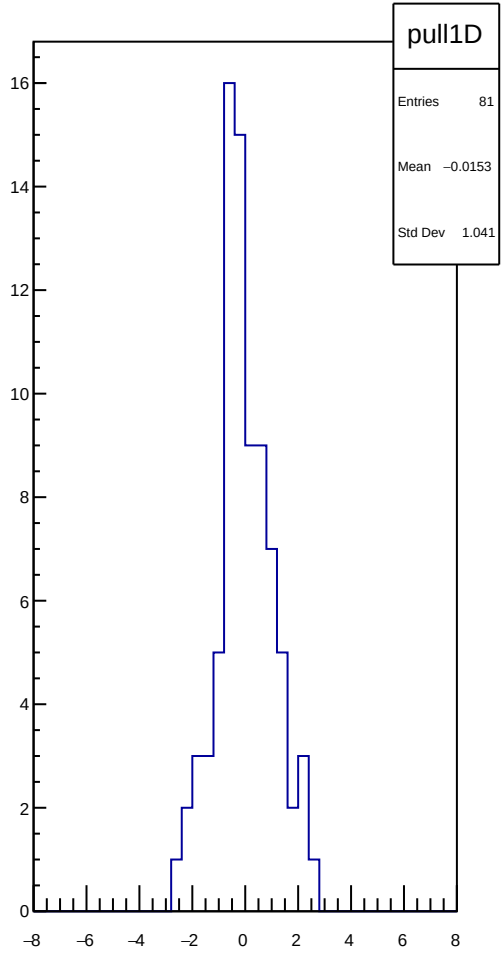
asym_sam6_correction_rms vs run

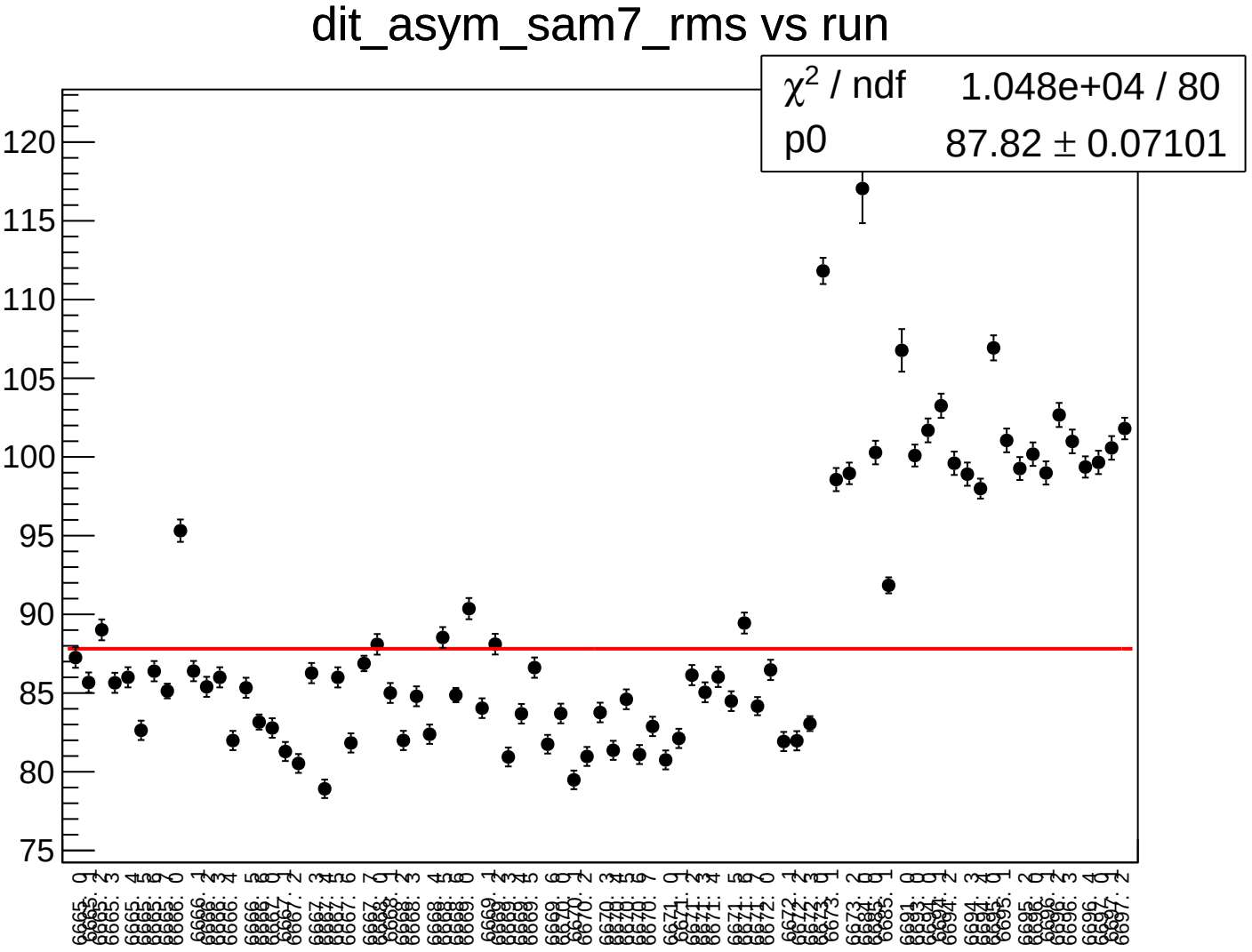


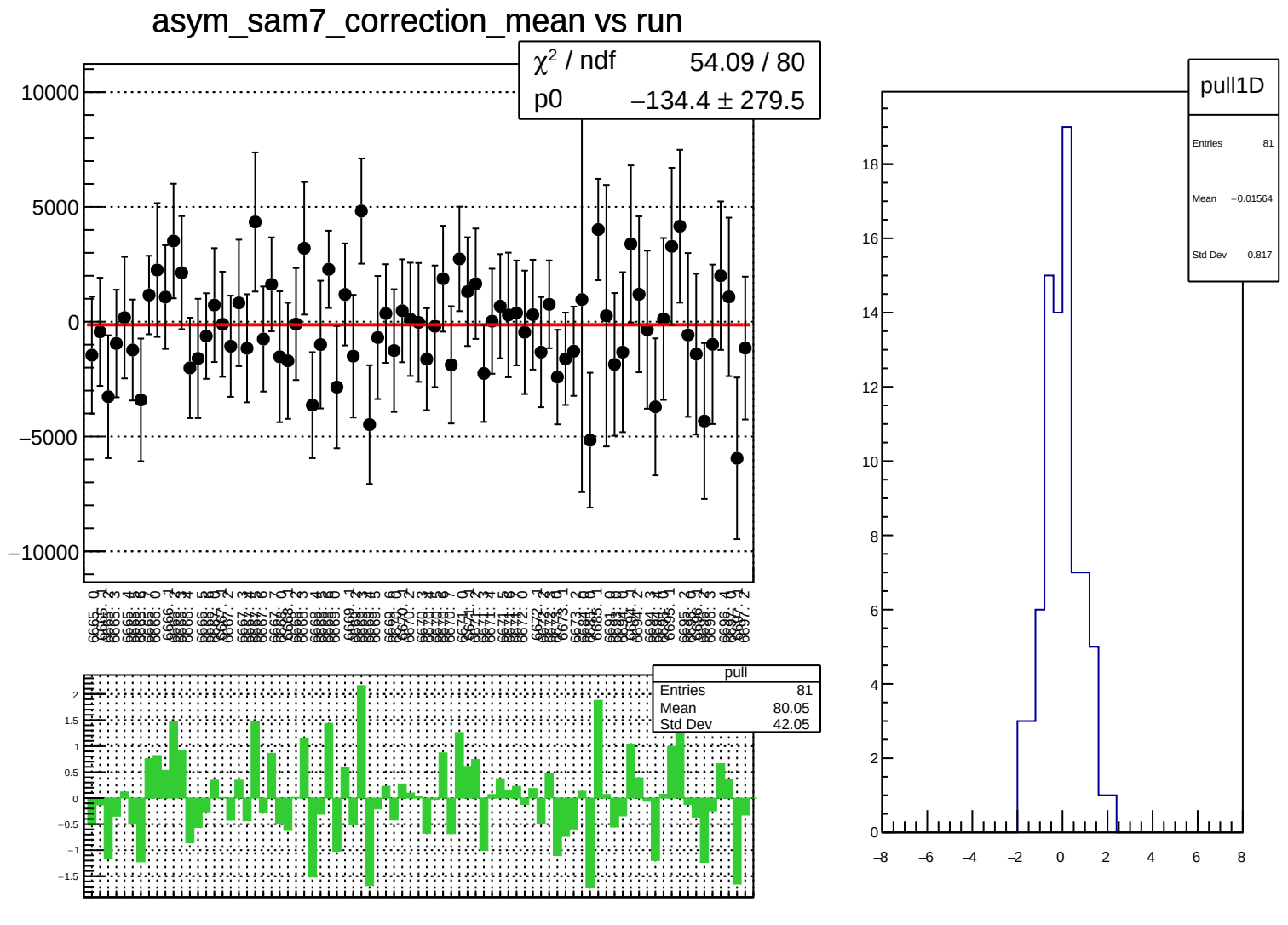

asym_sam6_mean vs run
χ² / ndf 47.06 / 80
p0 196.9 ± 1301
pull
Entries 81
Mean −28.79
Std Dev 72.9
pull1D
Entries 81
Mean −0.006498
Std Dev 0.7622

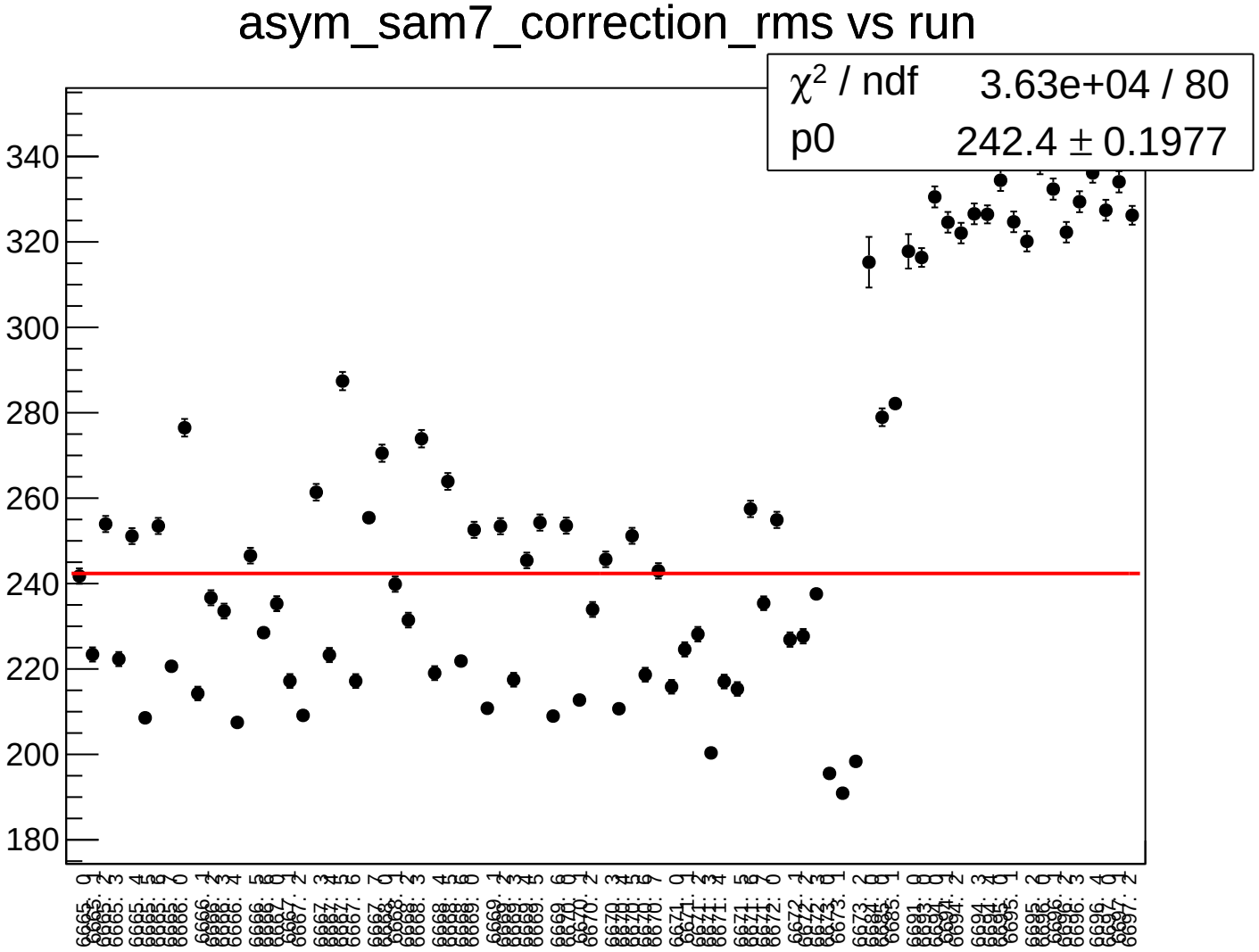

asym_sam6_rms vs run
χ² / ndf 1.989e+04 / 80
p0 1134 ± 0.9201
1500
1400
1300
1200
1100
1000

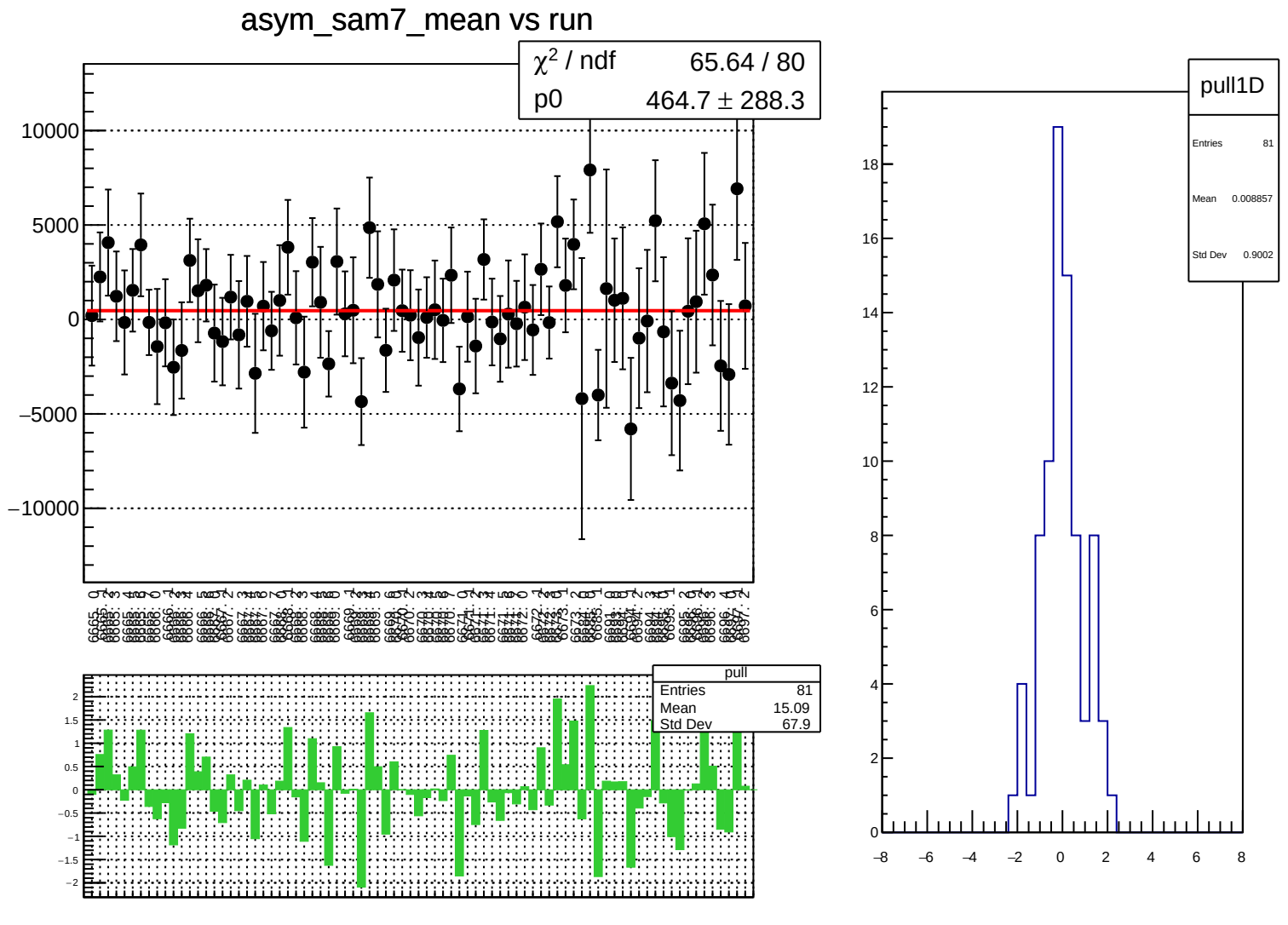

dit_asym_sam7_mean vs run
χ² / ndf 87.88 / 80
p0 319.5 ± 100.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 215.8
Std Dev 170.6
2
1
0
−1
−2


pull1D
Entries 81
Mean −0.0153
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

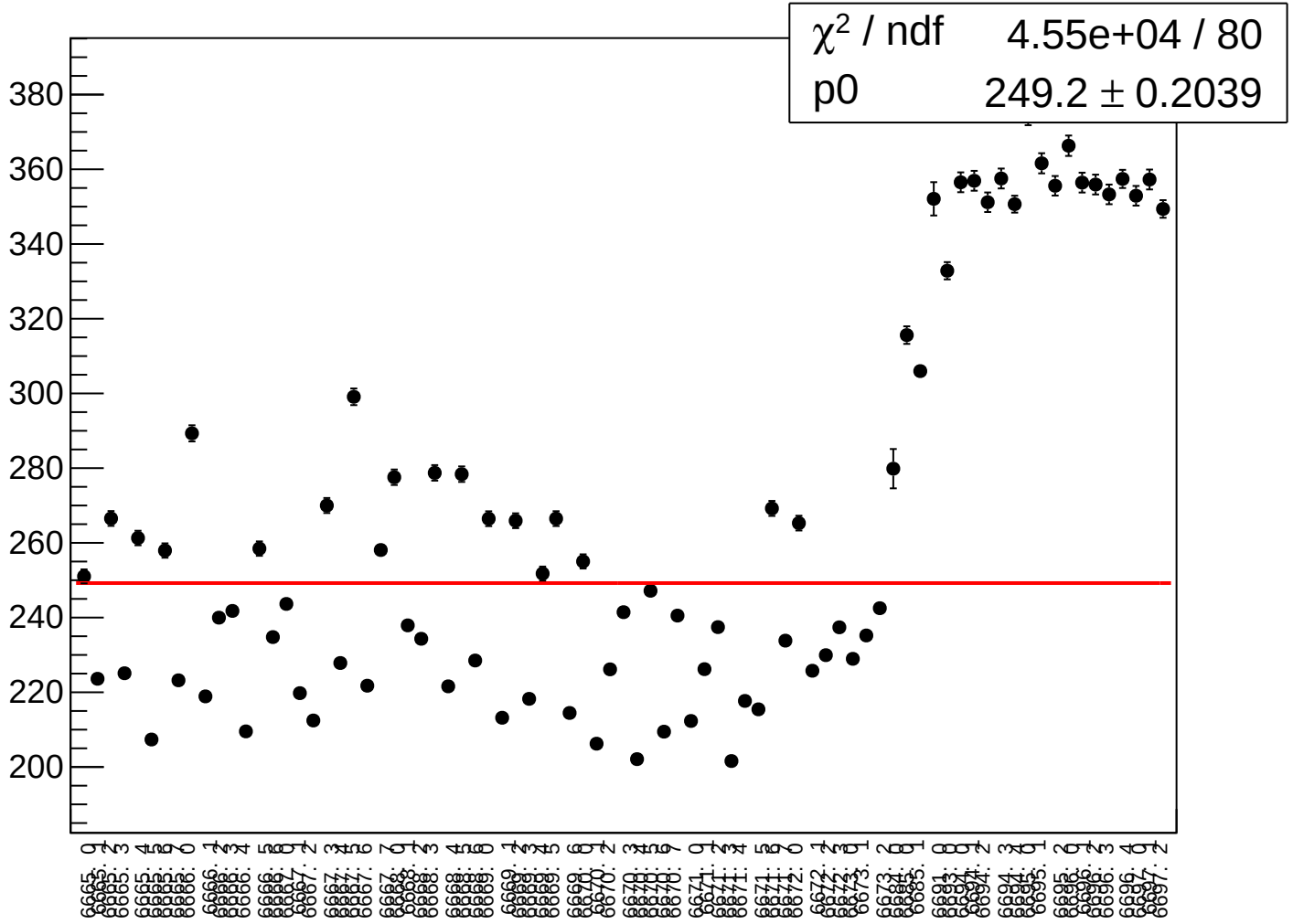

dit_asym_sam7_rms vs run
χ2 / ndf 1.048e+04 / 80
p0 87.82 ± 0.07101
120
115
110
105
100
95
90
85
80
75

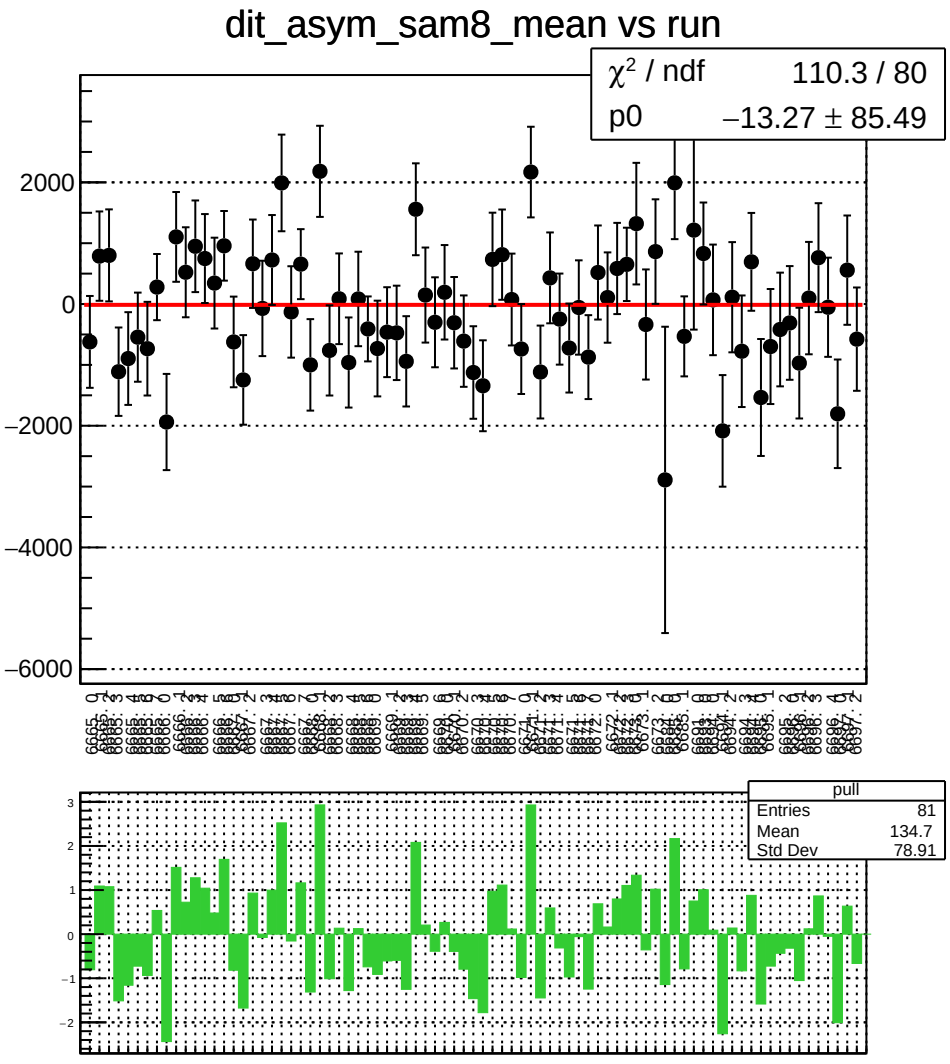

asym_sam7_correction_mean vs run
χ² / ndf 54.09 / 80
p0 −134.4 ± 279.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 80.05
Std Dev 42.05
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.01564
Std Dev 0.817
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

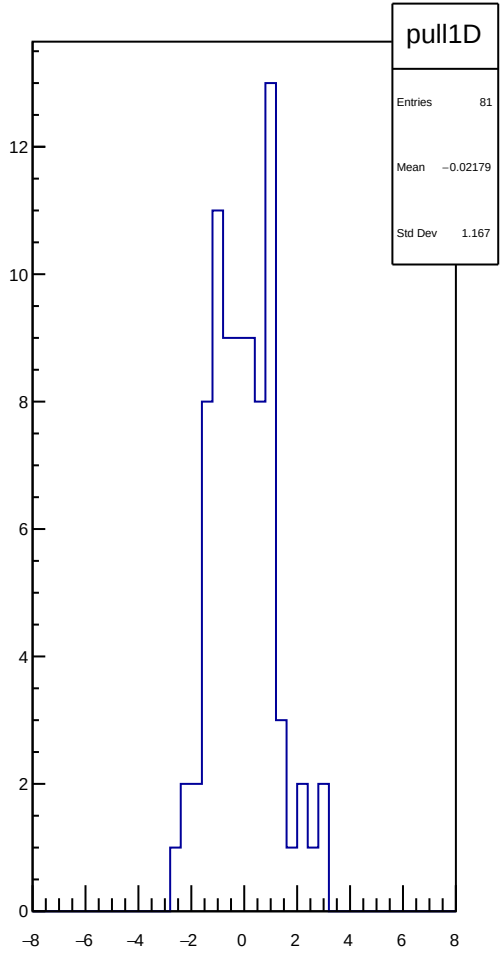

asym_sam7_correction_rms vs run
χ^2 / ndf 3.63e+04 / 80
p0 242.4 ± 0.1977
340
320
300
280
260
240
220
200
180


asym_sam7_mean vs run
χ² / ndf 65.64 / 80
p0 464.7 ± 288.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 15.09
Std Dev 67.9
pull1D
Entries 81
Mean 0.008857
Std Dev 0.9002

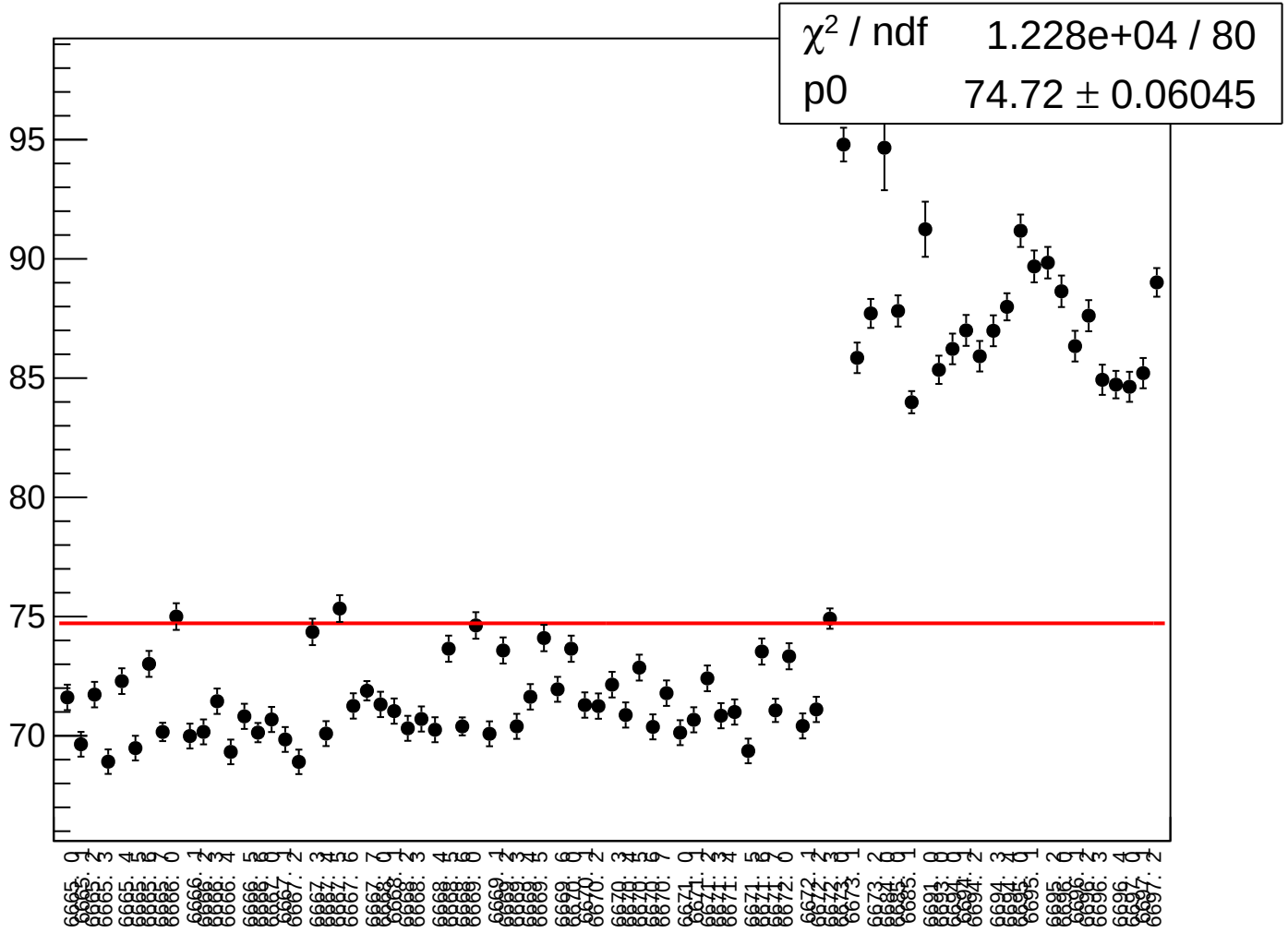
asym_sam7_rms vs run

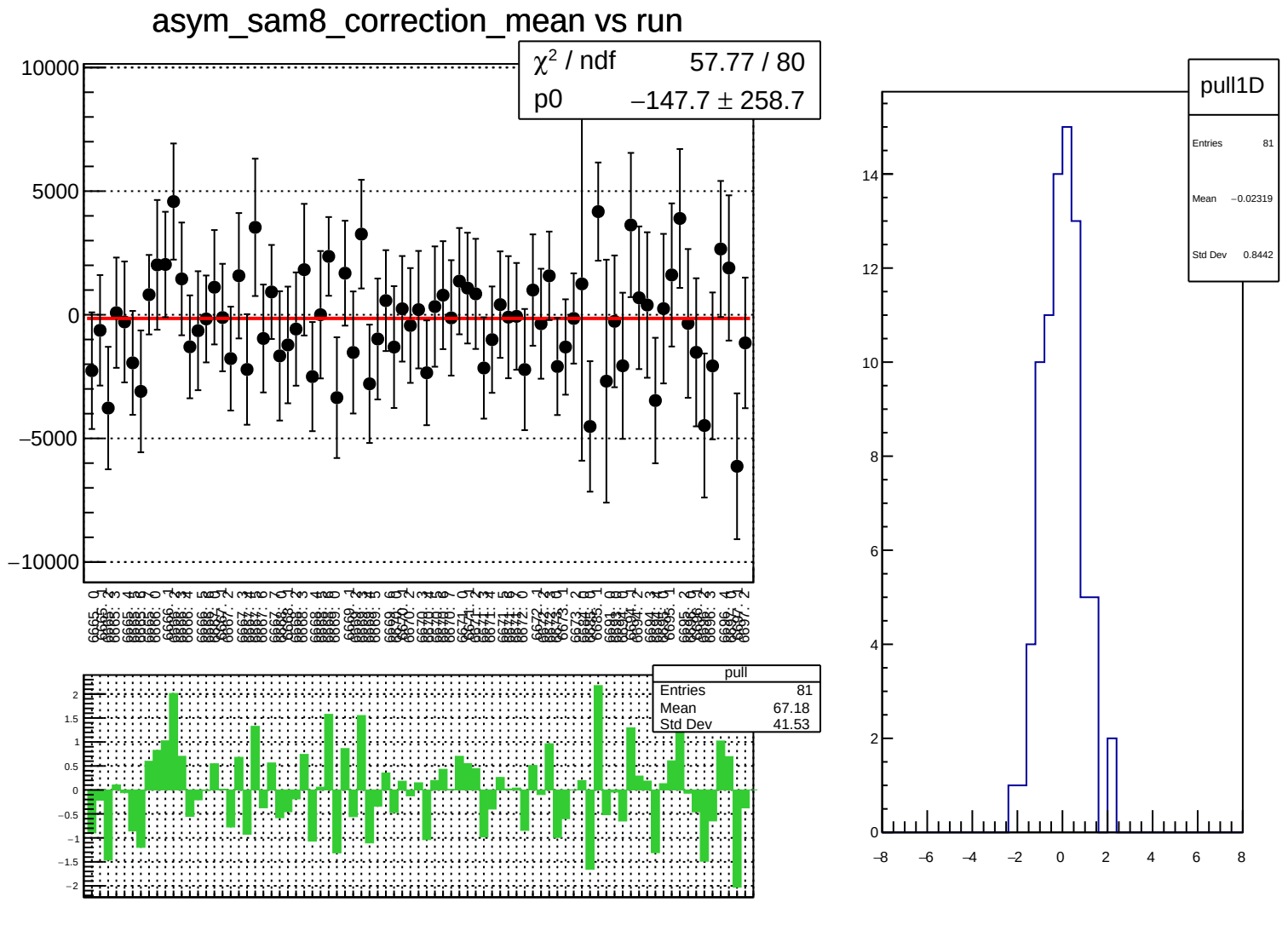



dit_asym_sam8_mean vs run
χ² / ndf 110.3 / 80
p0 −13.27 ± 85.49
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 134.7
Std Dev 78.91
3
2
1
0
−1
−2

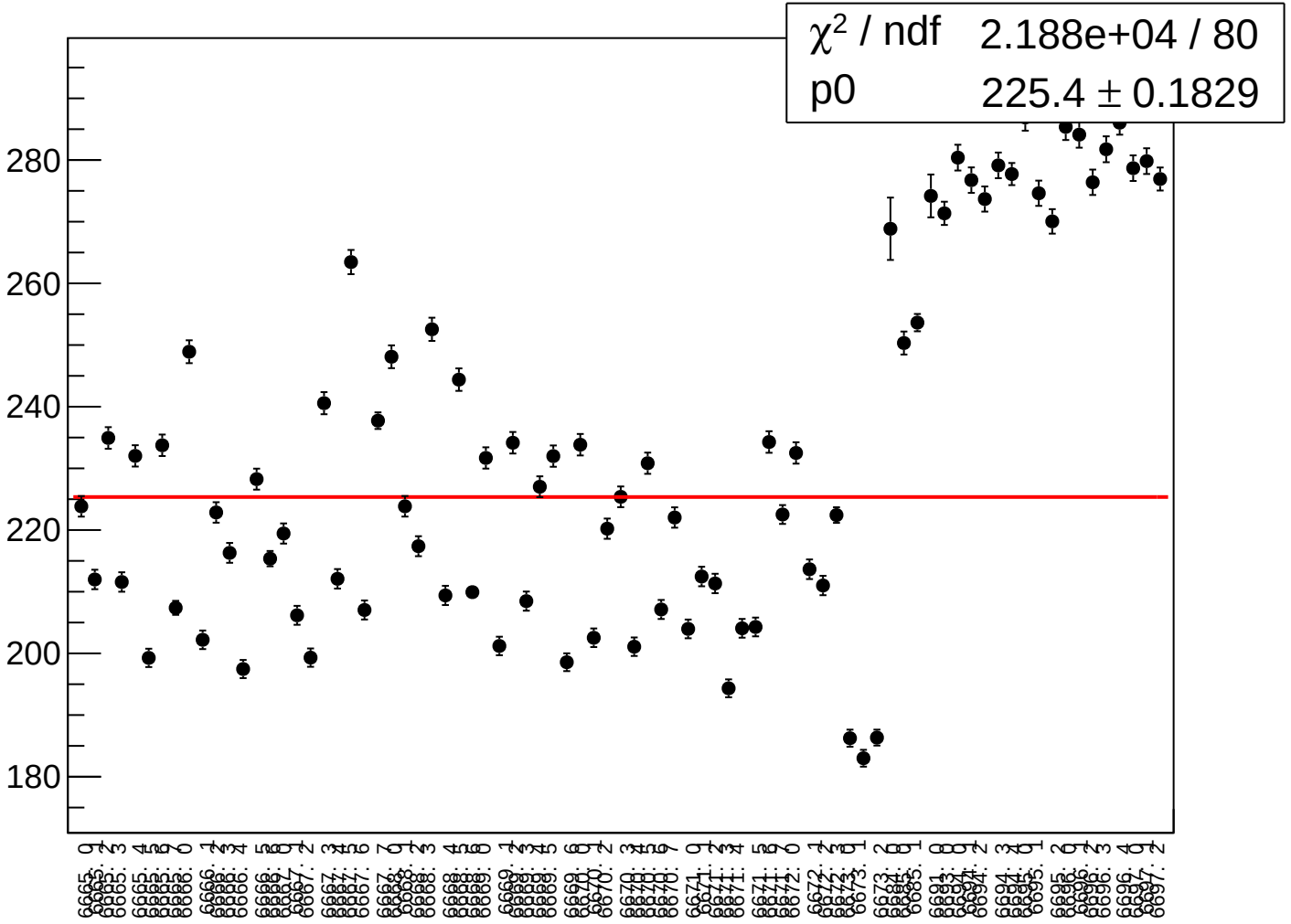

pull1D
Entries 81
Mean −0.02179
Std Dev 1.167
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

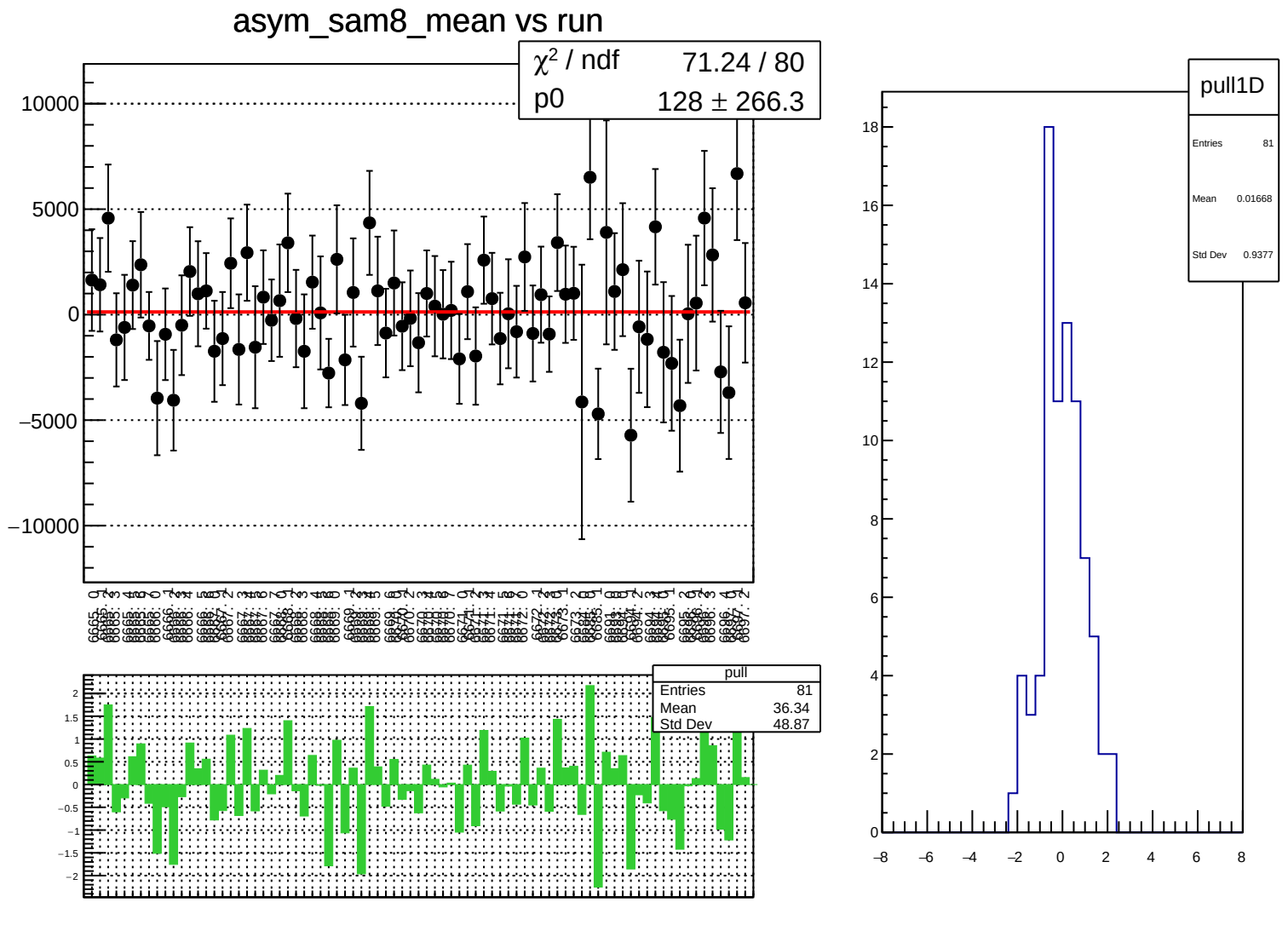
dit_asym_sam8_rms vs run



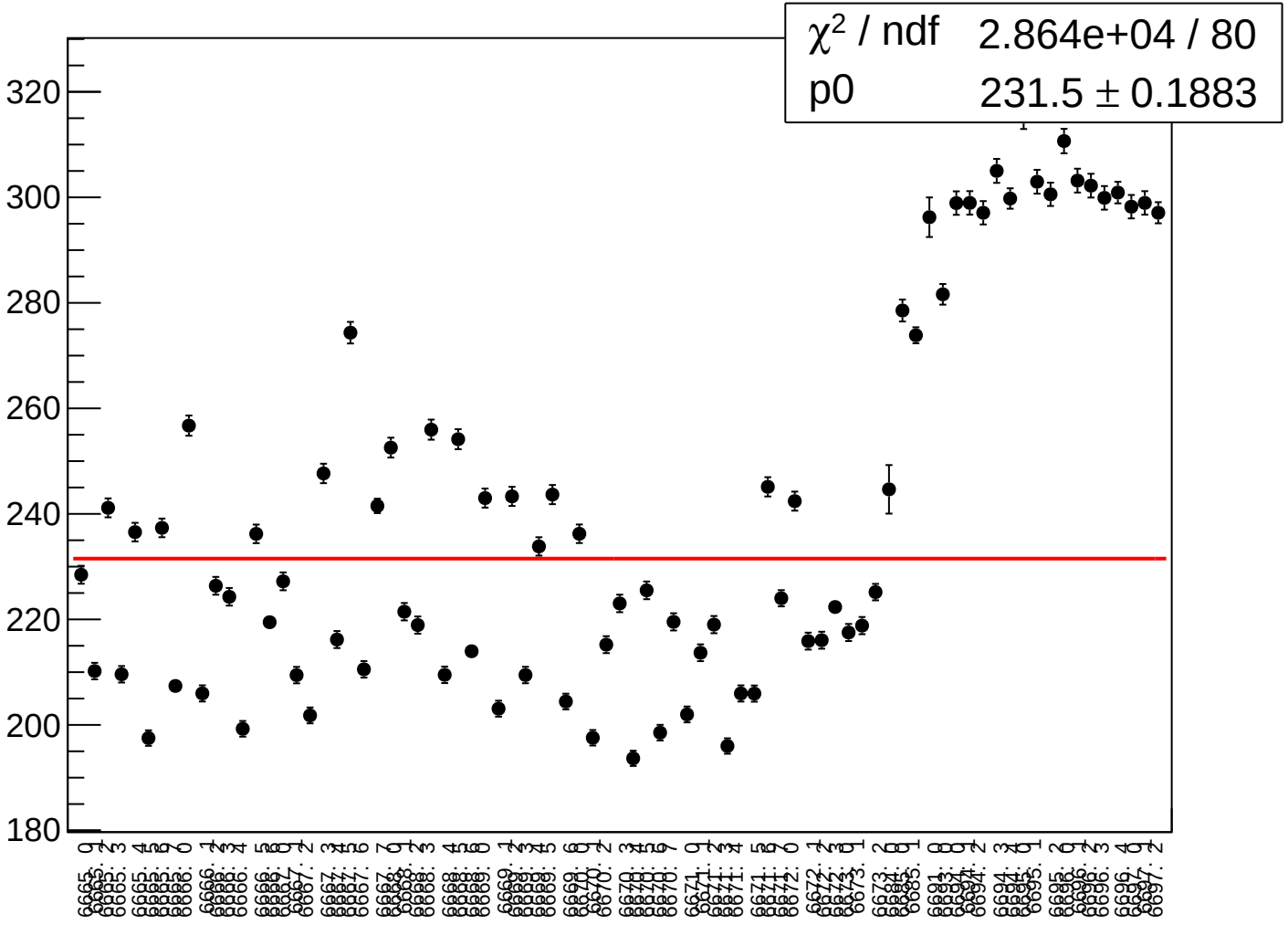

asym_sam8_correction_mean vs run
χ² / ndf 57.77 / 80
p0 −147.7 ± 258.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 67.18
Std Dev 41.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.02319
Std Dev 0.8442
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

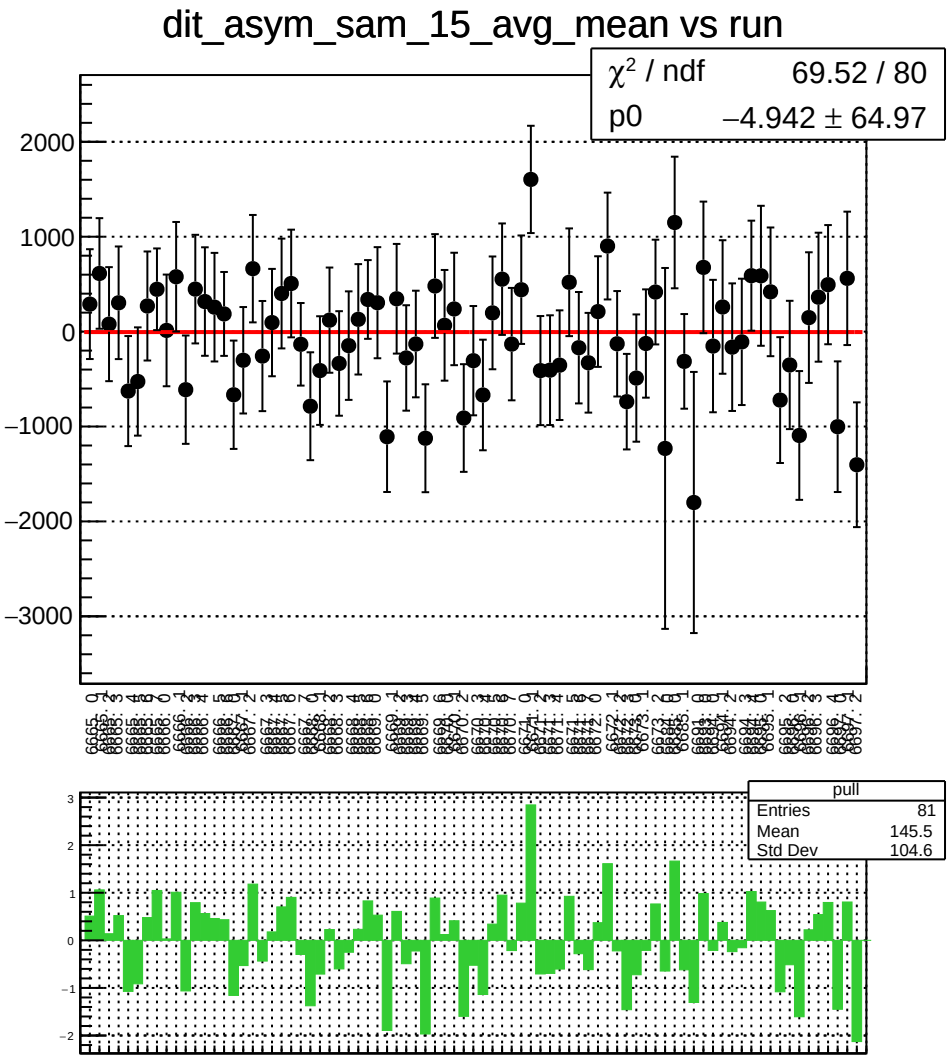
asym_sam8_correction_rms vs run

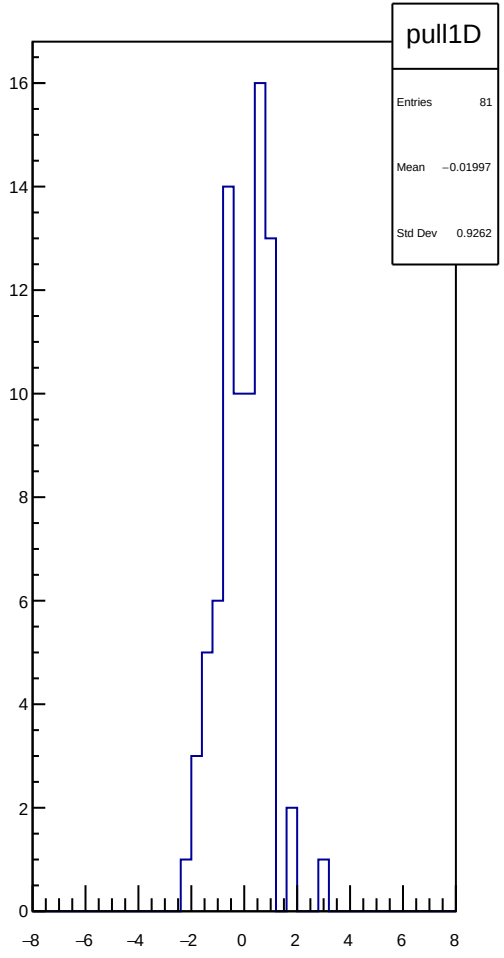



asym_sam8_mean vs run
χ² / ndf 71.24 / 80
p0 128 ± 266.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 36.34
Std Dev 48.87
pull1D
Entries 81
Mean 0.01668
Std Dev 0.9377

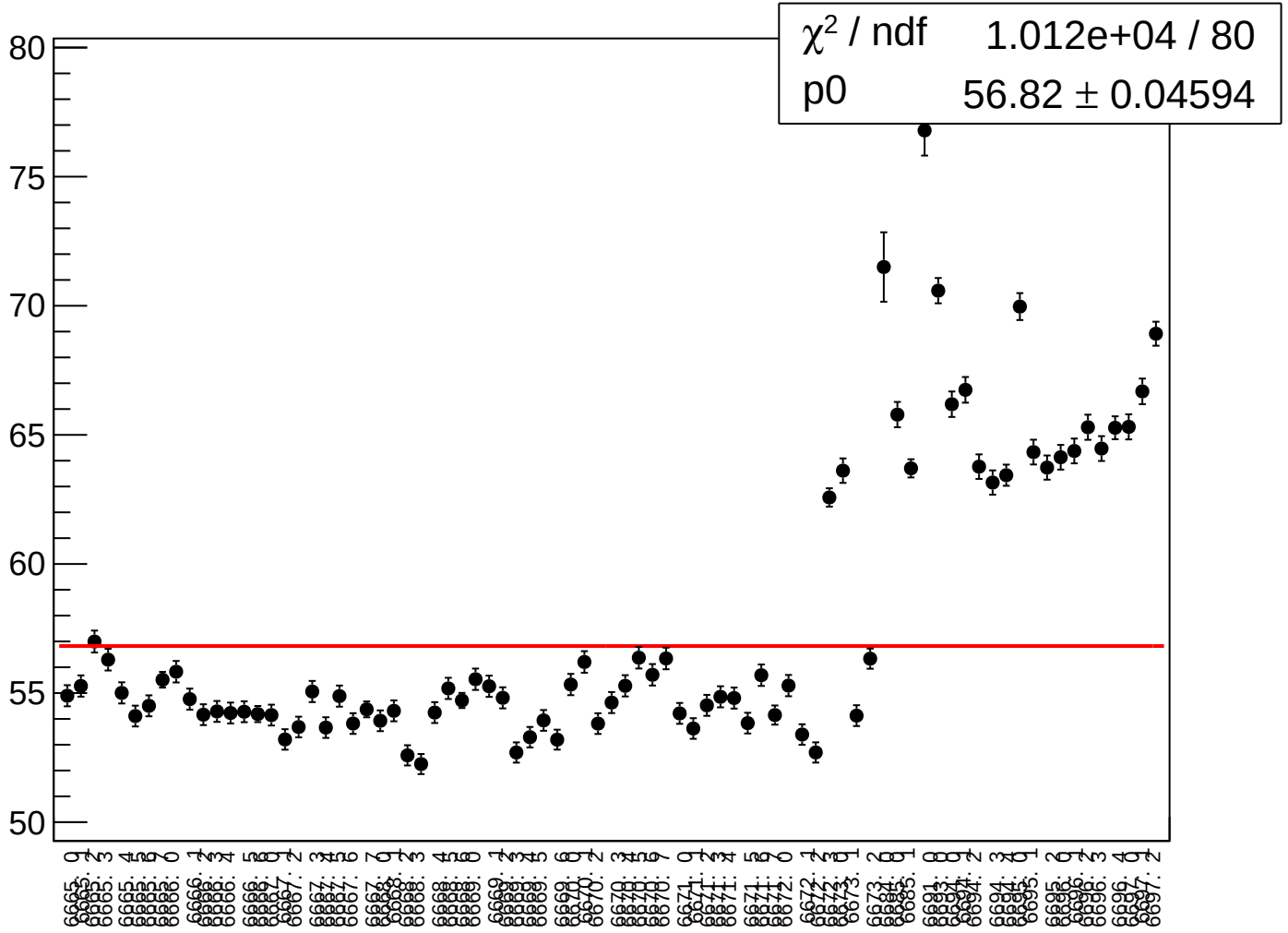
asym_sam8_rms vs run

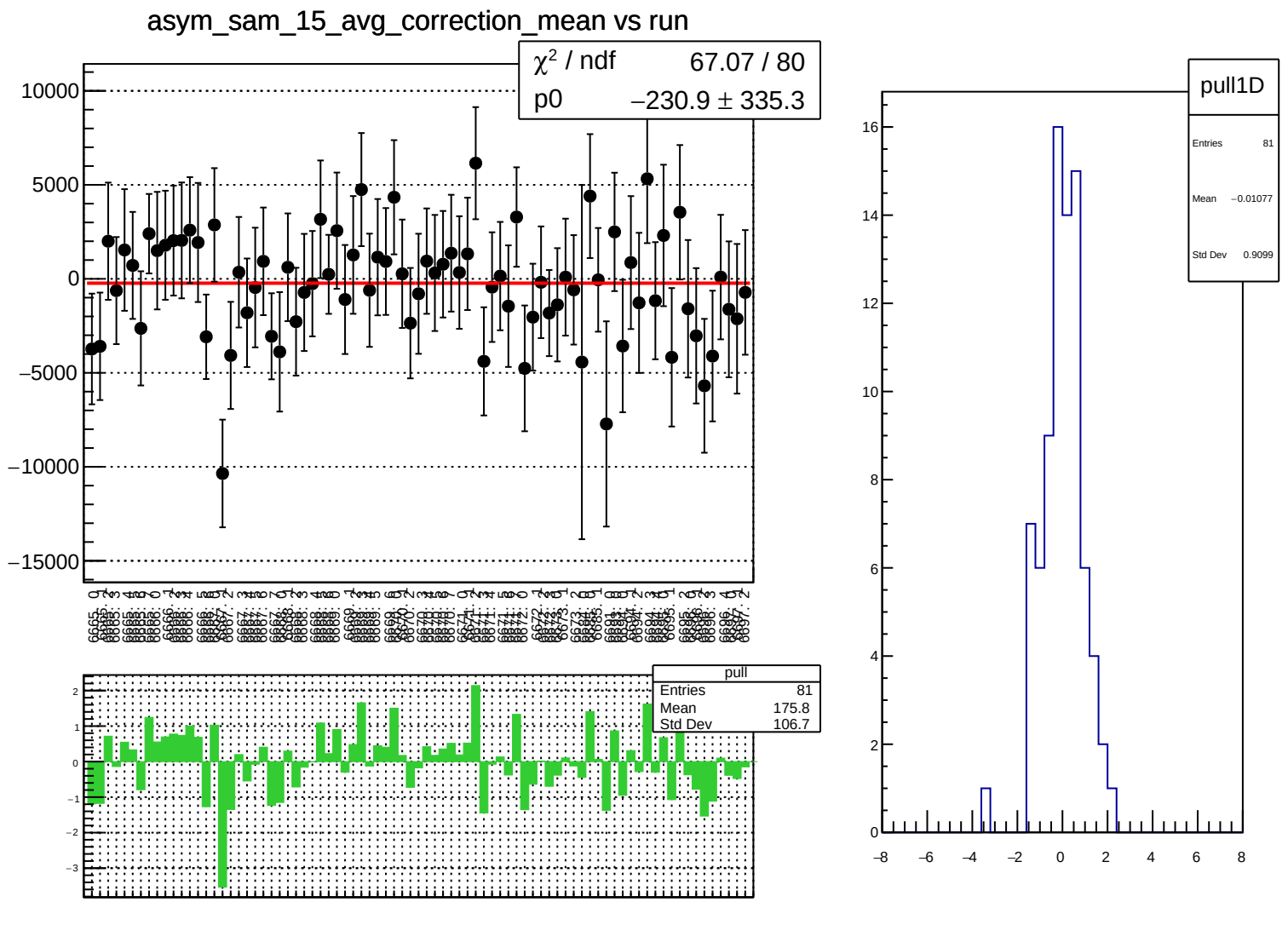


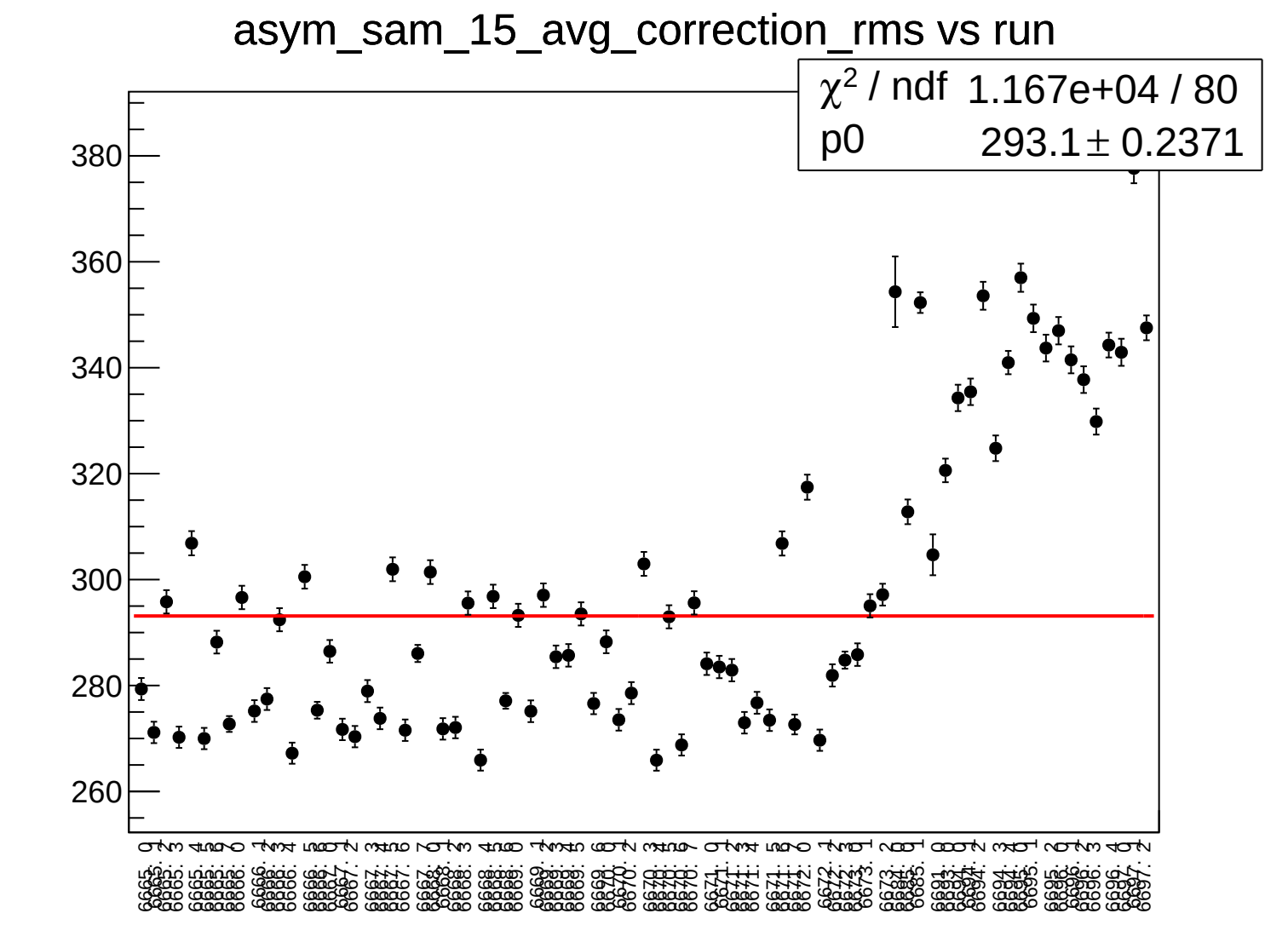

dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.52 / 80
p0 −4.942 ± 64.97
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean 145.5
Std Dev 104.6
3
2
1
0
−1
−2

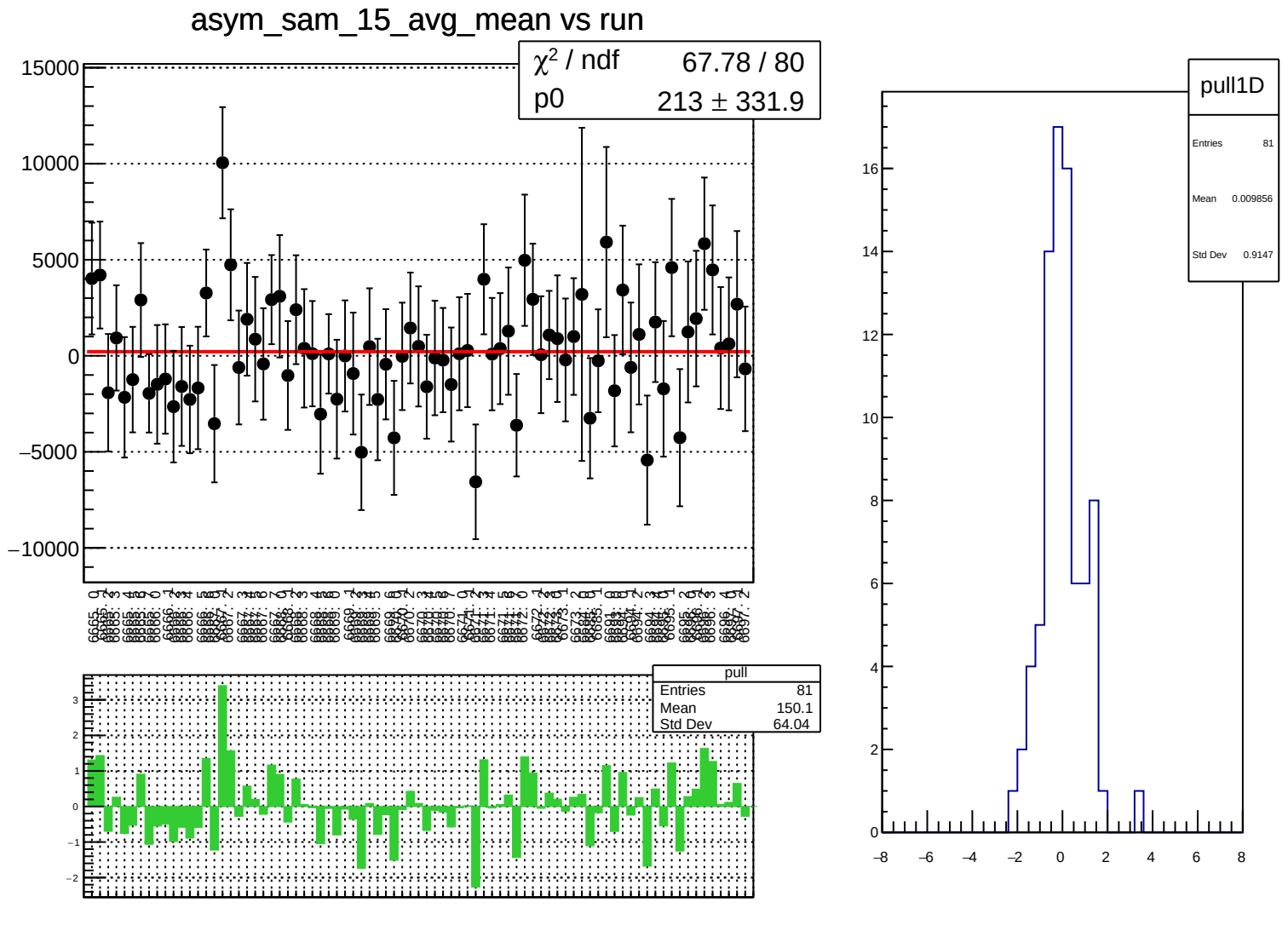

pull1D
Entries 81
Mean −0.01997
Std Dev 0.9262
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

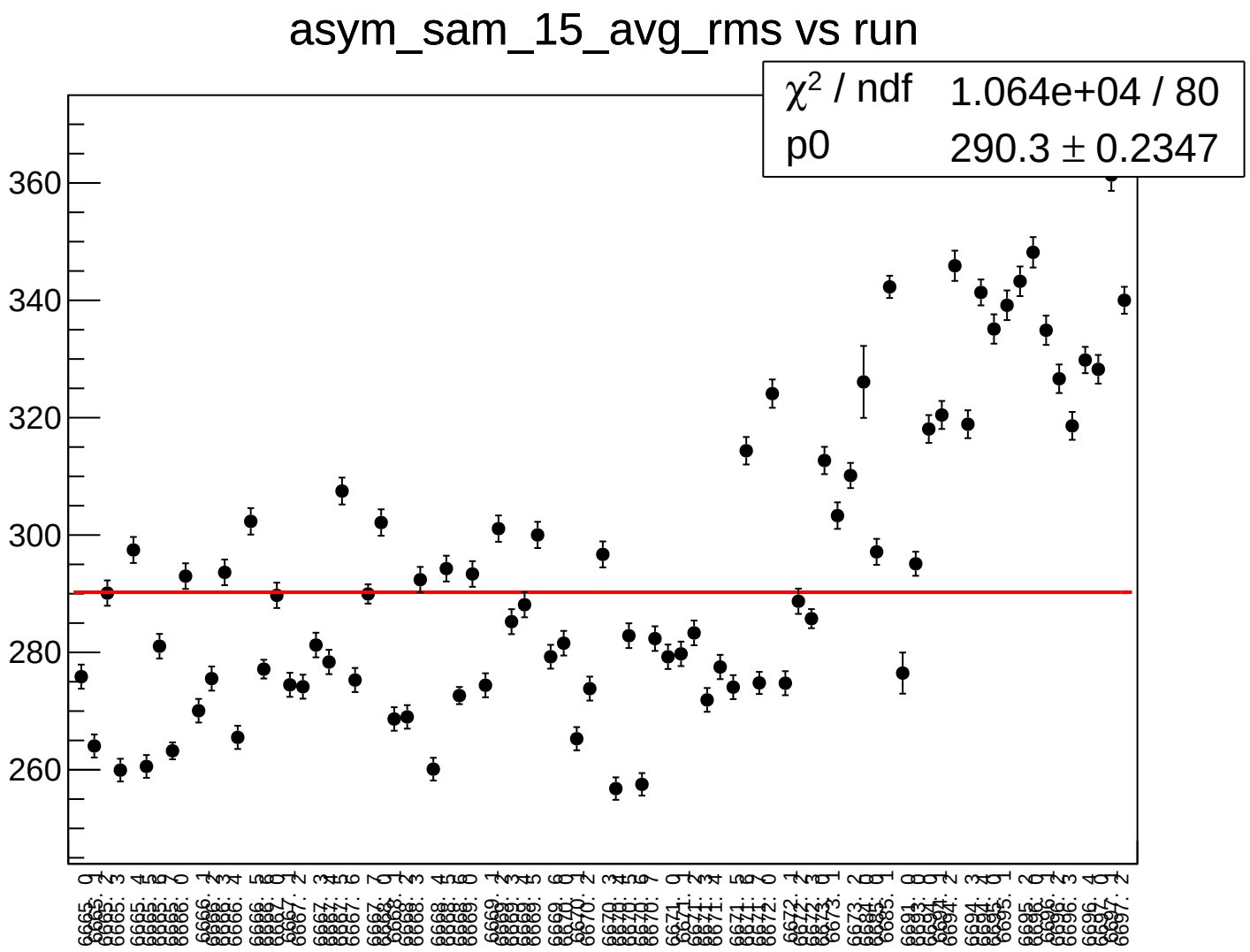
dit_asym_sam_15_avg_rms vs run

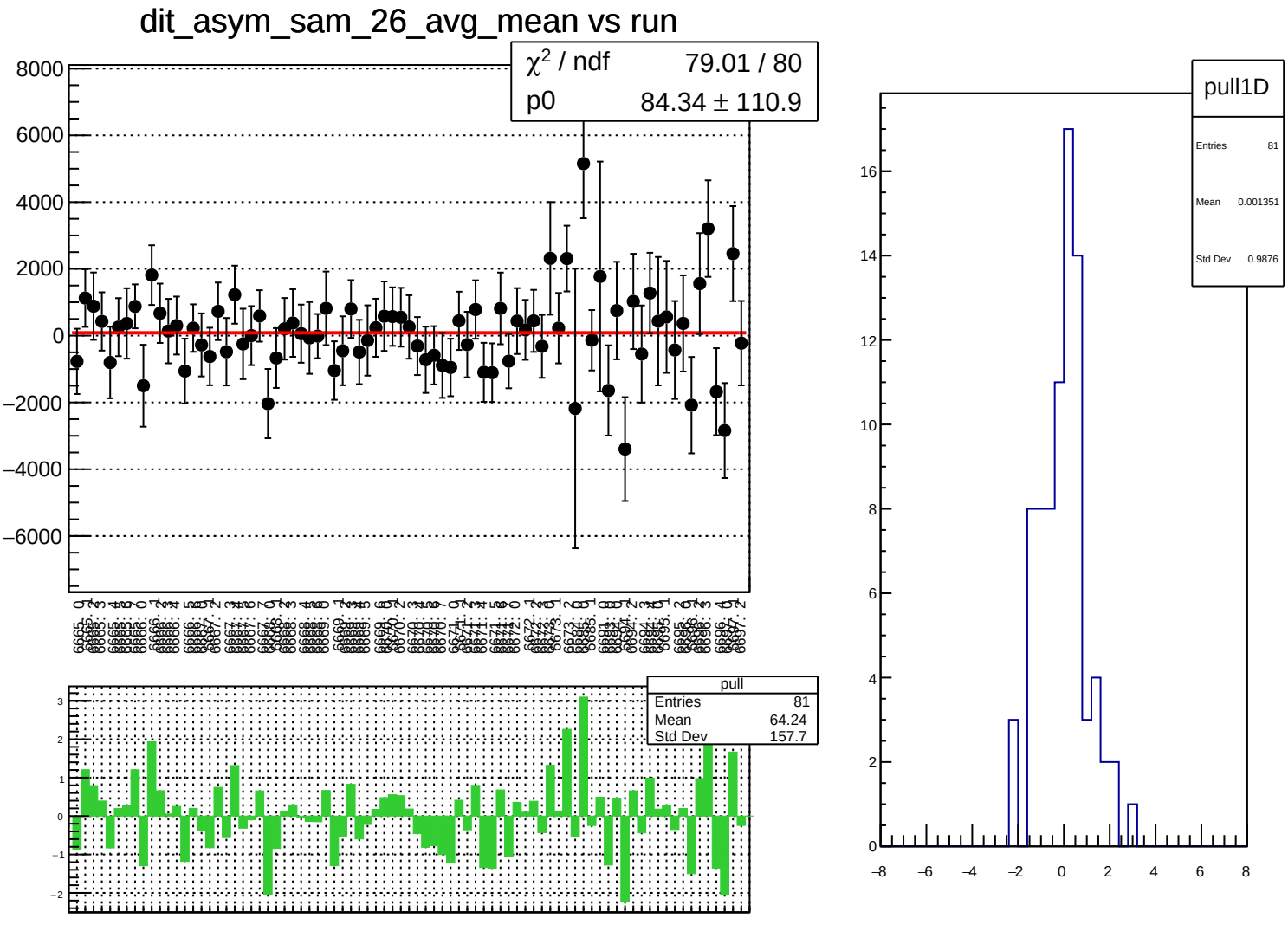



asym_sam_15_avg_correction_mean vs run
χ² / ndf 67.07 / 80
p0 −230.9 ± 335.3
pull
Entries 81
Mean 175.8
Std Dev 106.7
pull1D
Entries 81
Mean −0.01077
Std Dev 0.9099

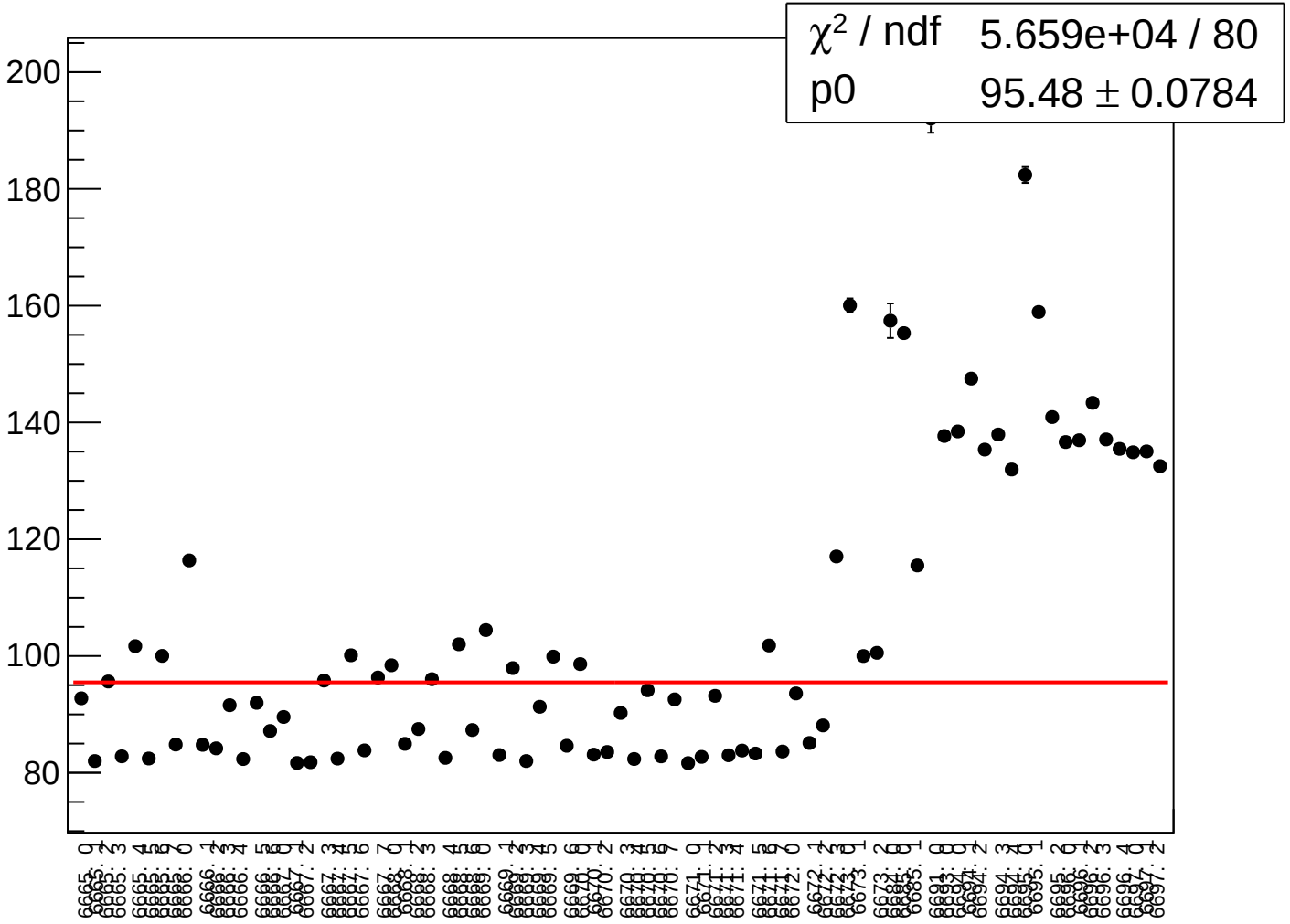

asym_sam_15_avg_correction_rms vs run
χ2 / ndf 1.167e+04 / 80
p0 293.1 ± 0.2371
380
360
340
320
300
280
260

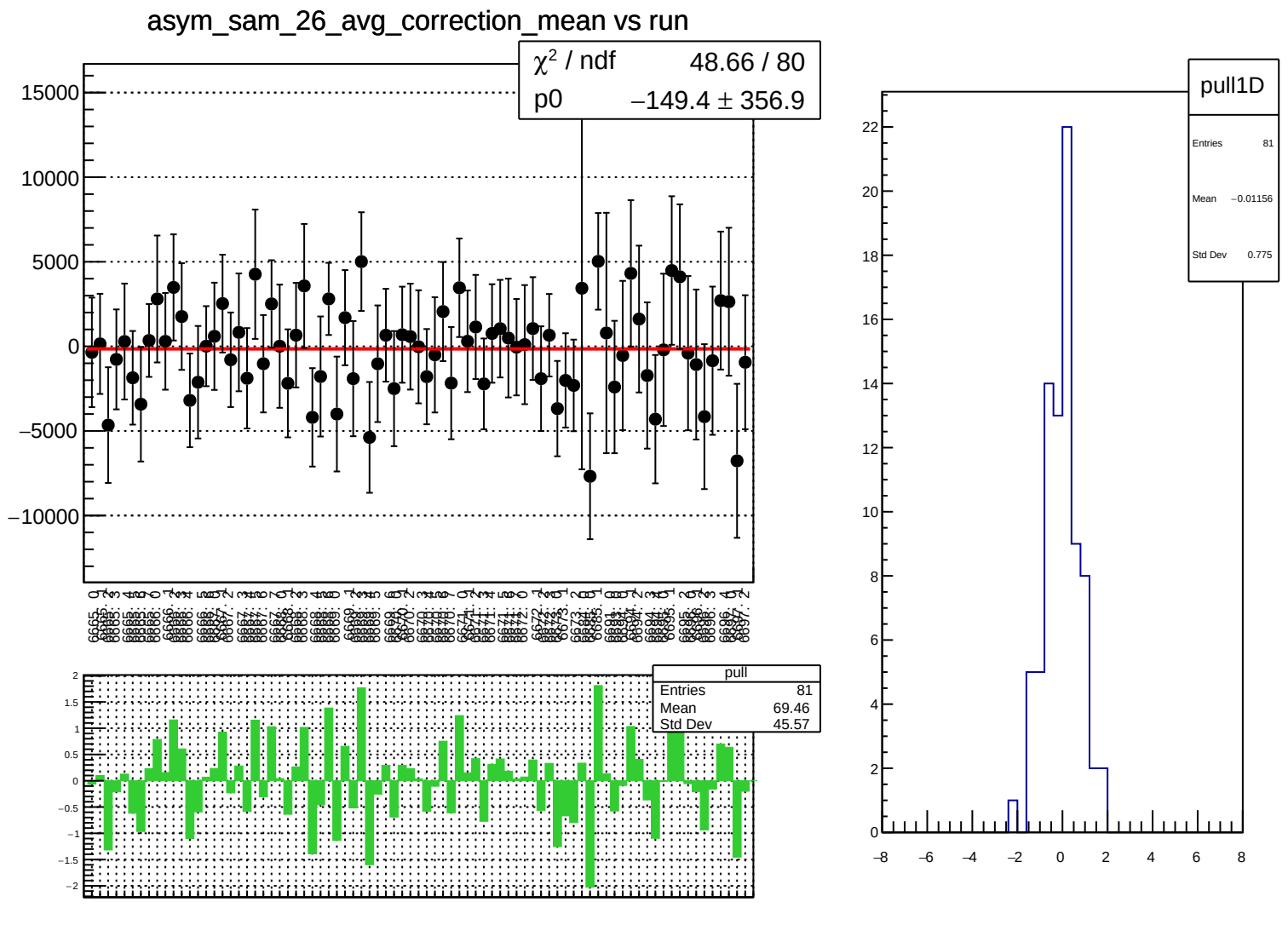

asym_sam_15_avg_mean vs run
χ² / ndf 67.78 / 80
p0 213 ± 331.9
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 150.1
Std Dev 64.04
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.009856
Std Dev 0.9147
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_rms vs run
χ^2 / ndf 1.064e+04 / 80
p0 290.3 ± 0.2347
360
340
320
300
280
260

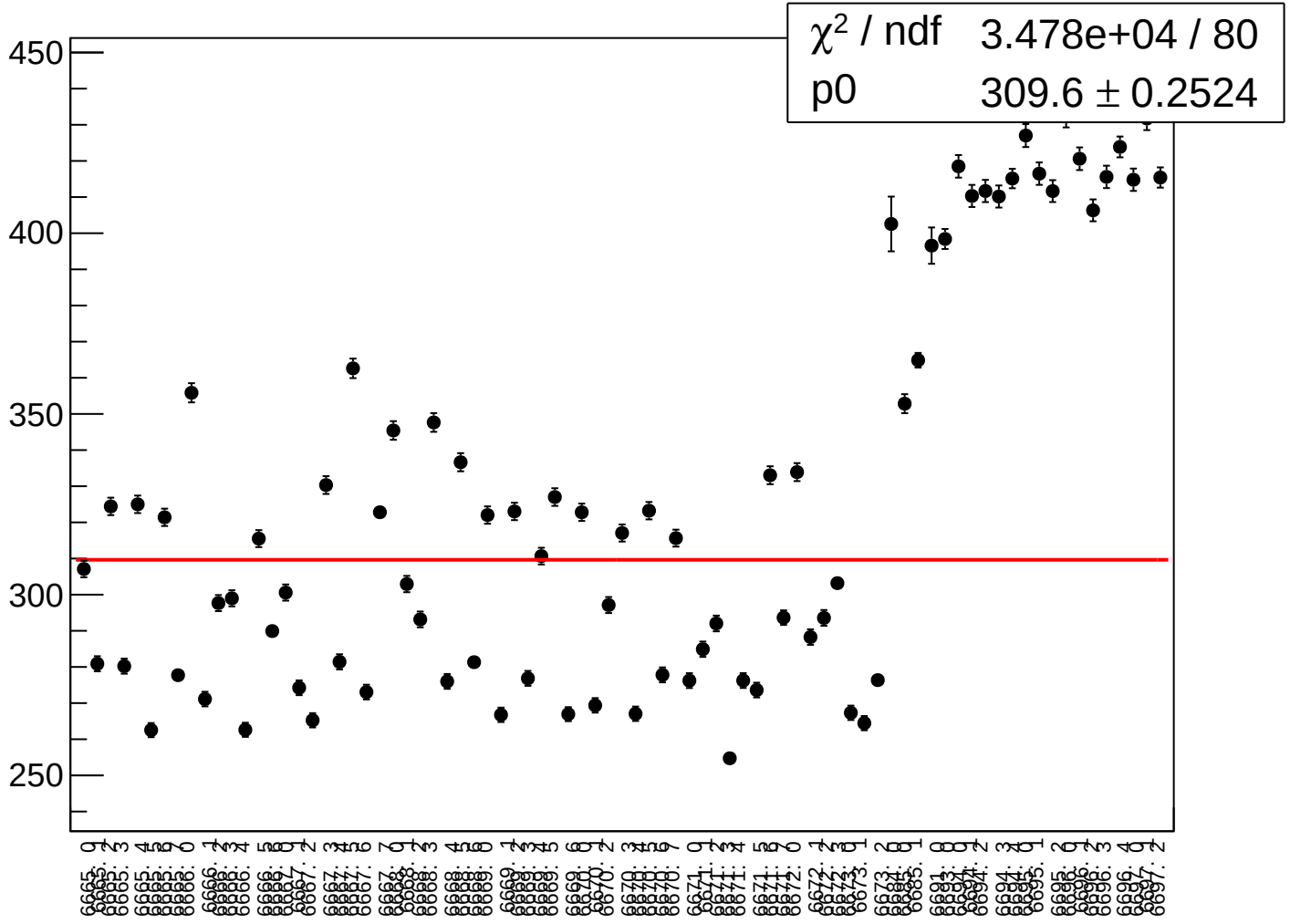

dit_asym_sam_26_avg_mean vs run
χ² / ndf 79.01 / 80
p0 84.34 ± 110.9
pull
Entries 81
Mean −64.24
Std Dev 157.7
pull1D
Entries 81
Mean 0.001351
Std Dev 0.9876

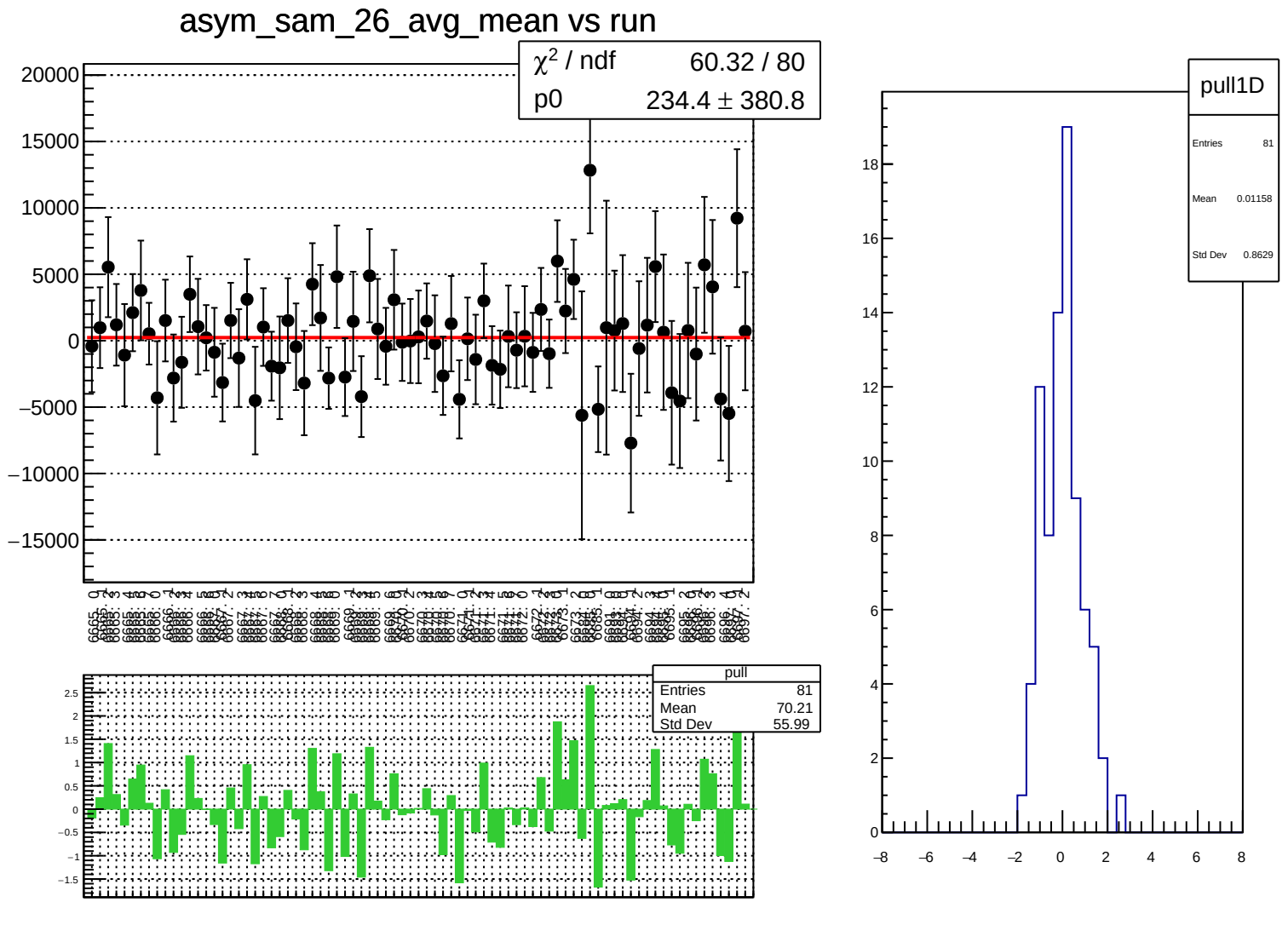
dit_asym_sam_26_avg_rms vs run

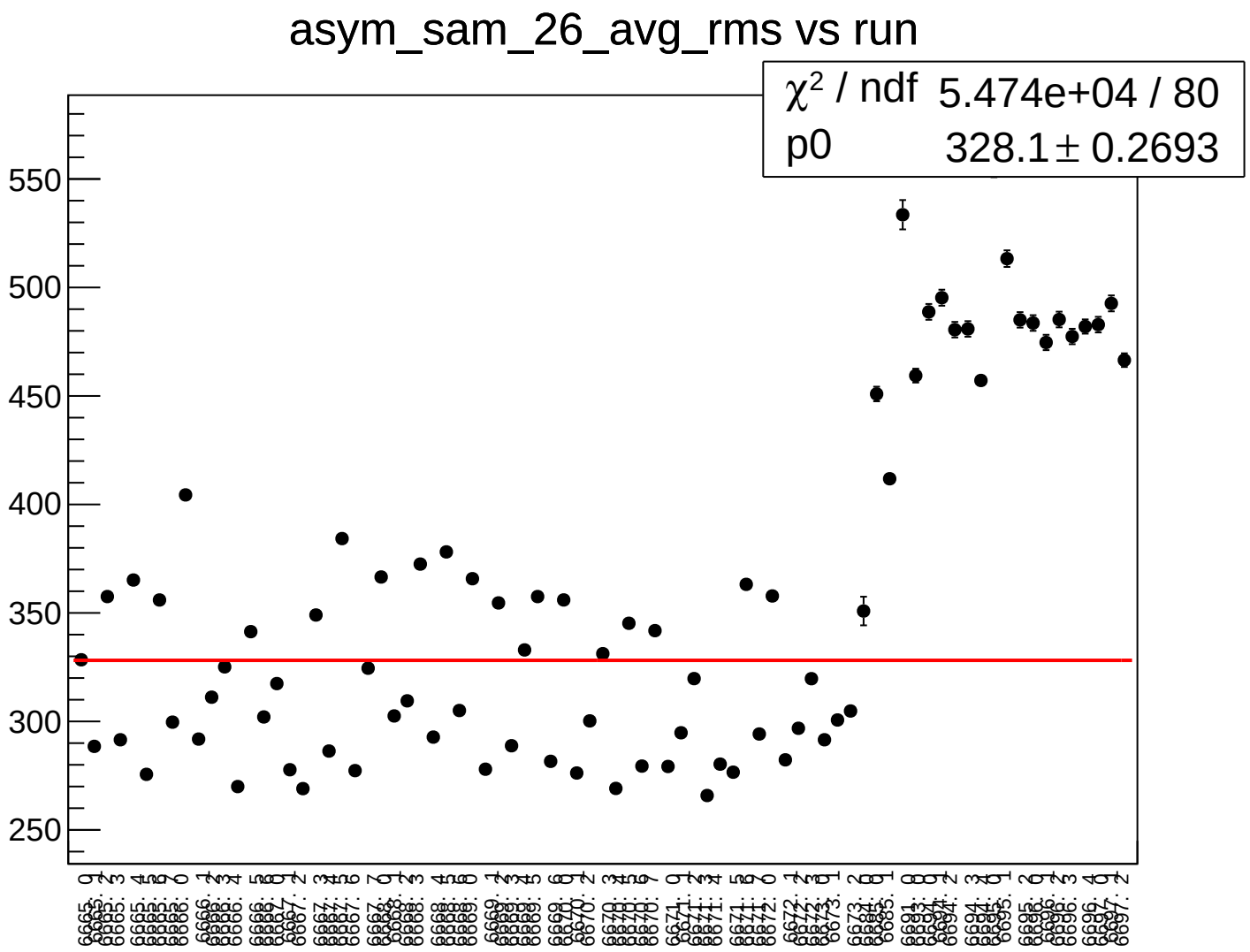


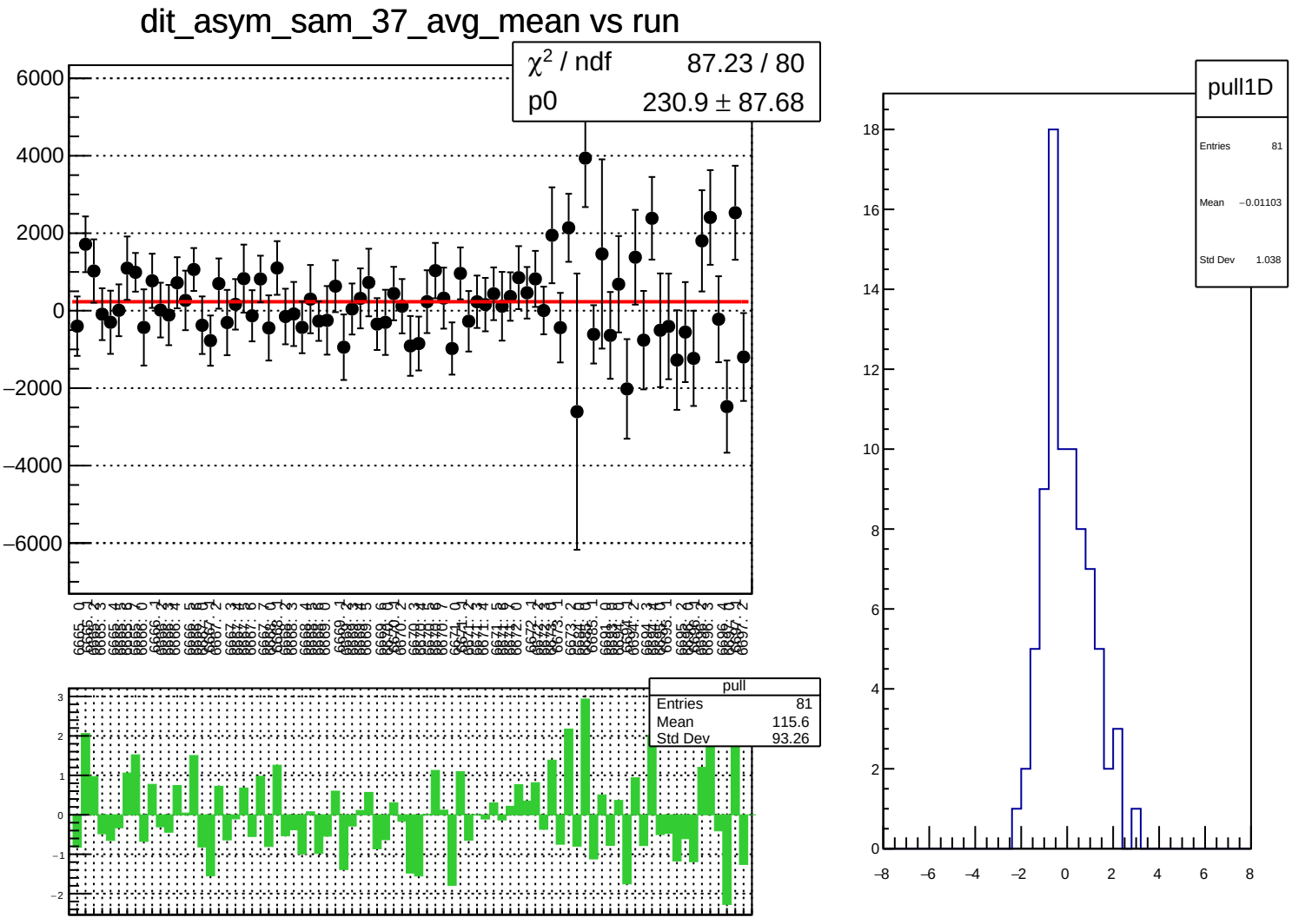

asym_sam_26_avg_correction_mean vs run
χ² / ndf 48.66 / 80
p0 −149.4 ± 356.9
pull
Entries 81
Mean 69.46
Std Dev 45.57
pull1D
Entries 81
Mean −0.01156
Std Dev 0.775

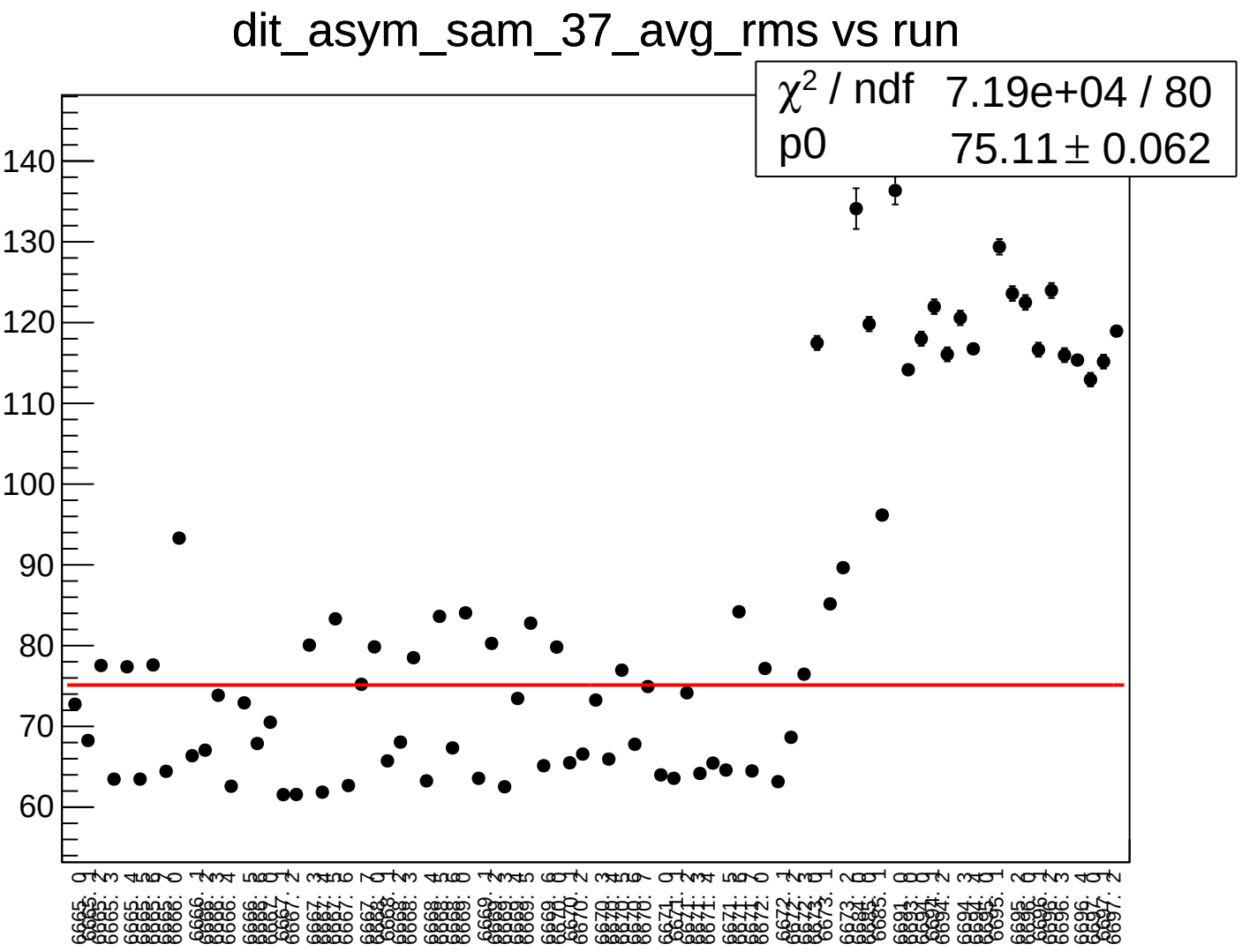
asym_sam_26_avg_correction_rms vs run

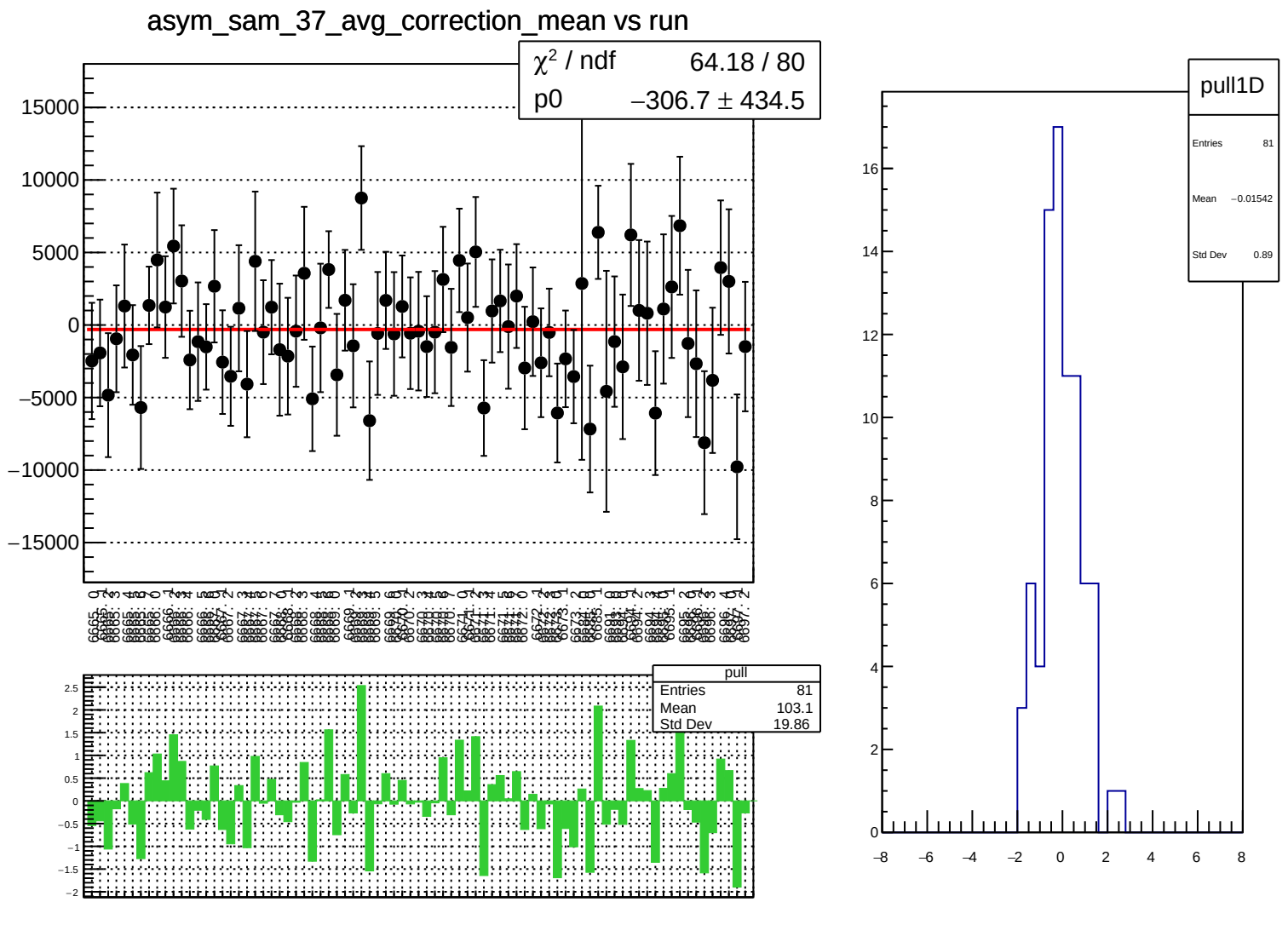


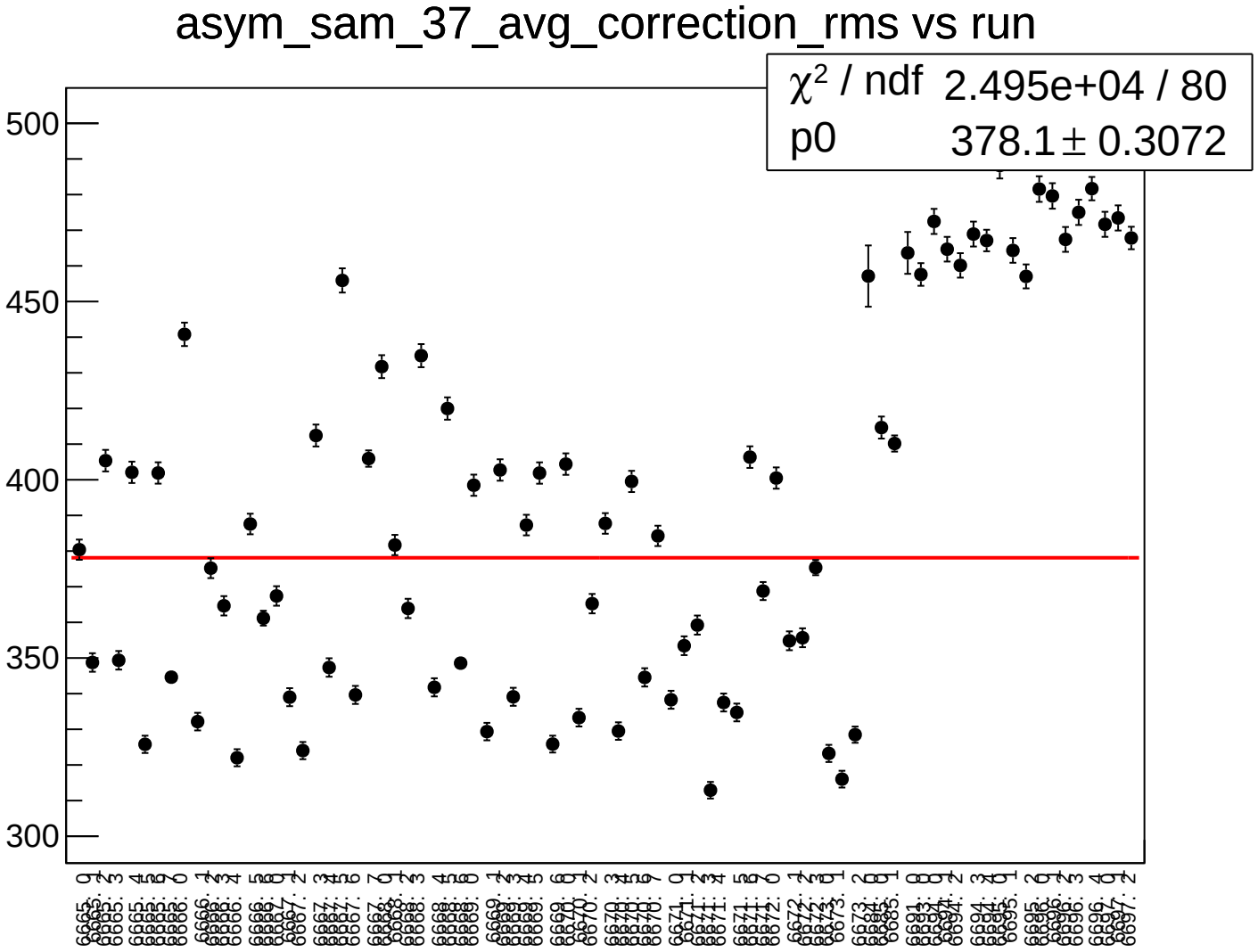

asym_sam_26_avg_mean vs run
χ² / ndf 60.32 / 80
p0 234.4 ± 380.8
pull
Entries 81
Mean 70.21
Std Dev 55.99
pull1D
Entries 81
Mean 0.01158
Std Dev 0.8629

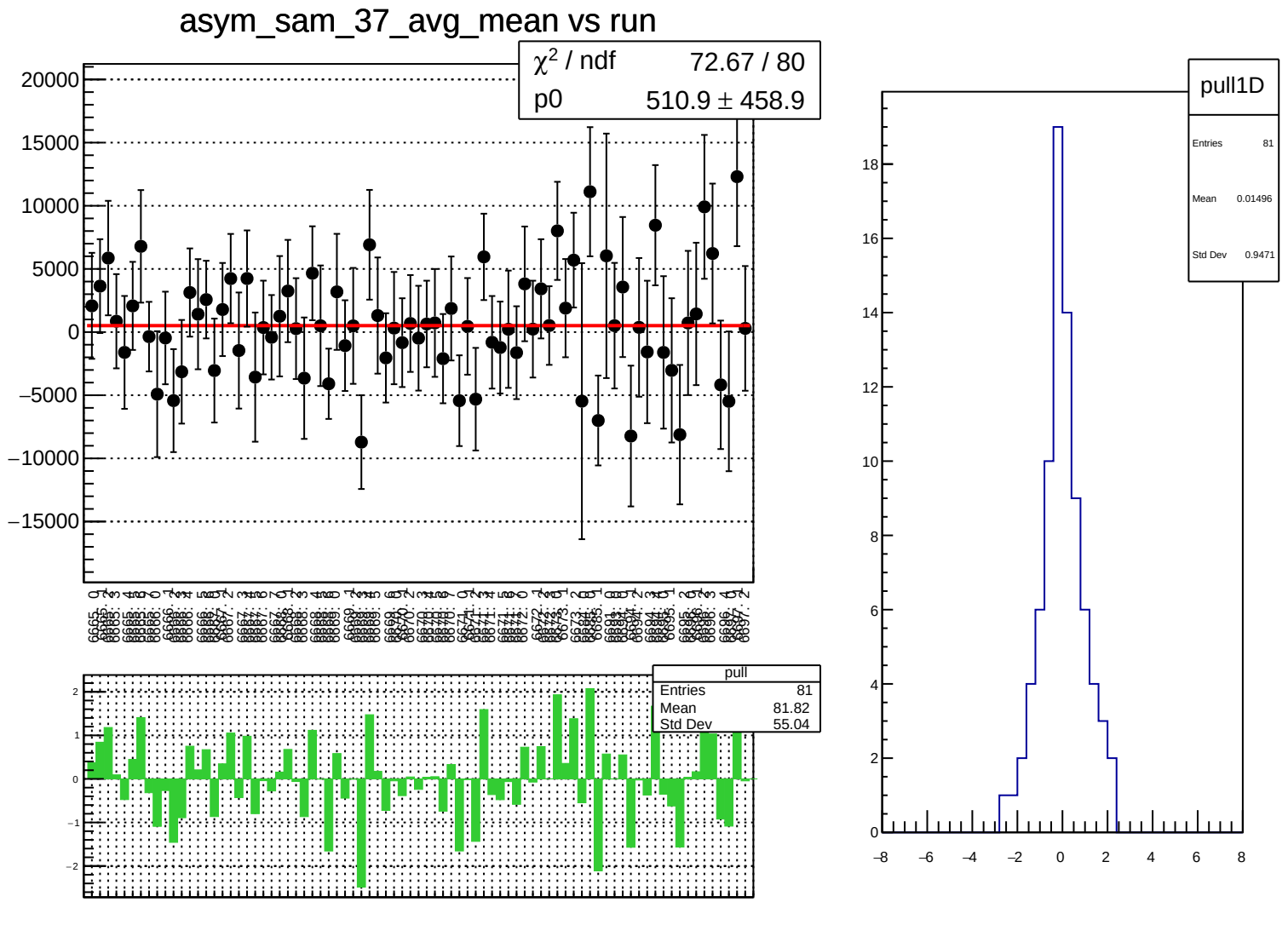

asym_sam_26_avg_rms vs run
χ² / ndf 5.474e+04 / 80
p0 328.1 ± 0.2693
550
500
450
400
350
300
250


dit_asym_sam_37_avg_mean vs run
χ² / ndf 87.23 / 80
p0 230.9 ± 87.68
pull
Entries 81
Mean 115.6
Std Dev 93.26
pull1D
Entries 81
Mean −0.01103
Std Dev 1.038

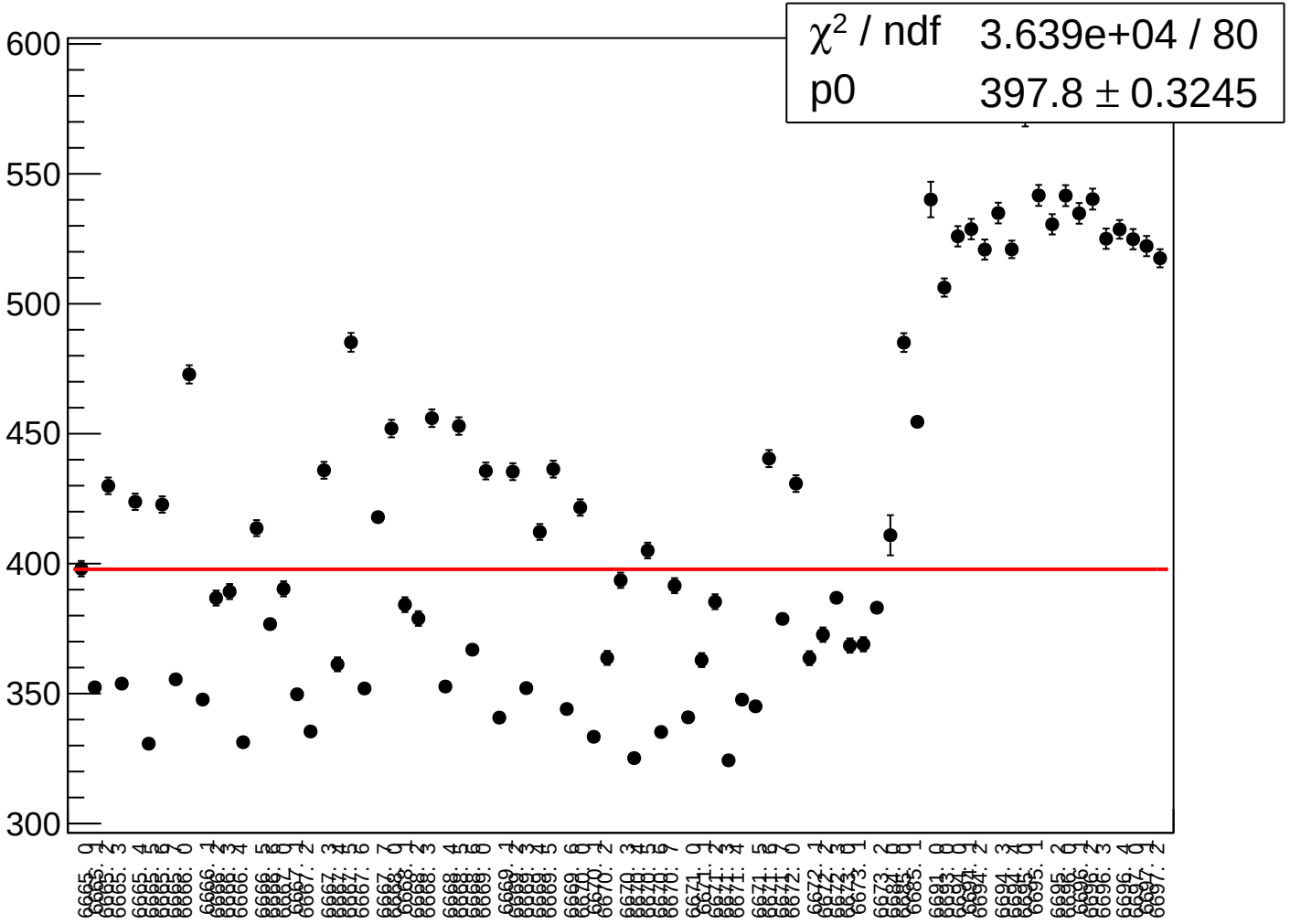

dit_asym_sam_37_avg_rms vs run
χ² / ndf 7.19e+04 / 80
p0 75.11 ± 0.062
140
130
120
110
100
90
80
70
60

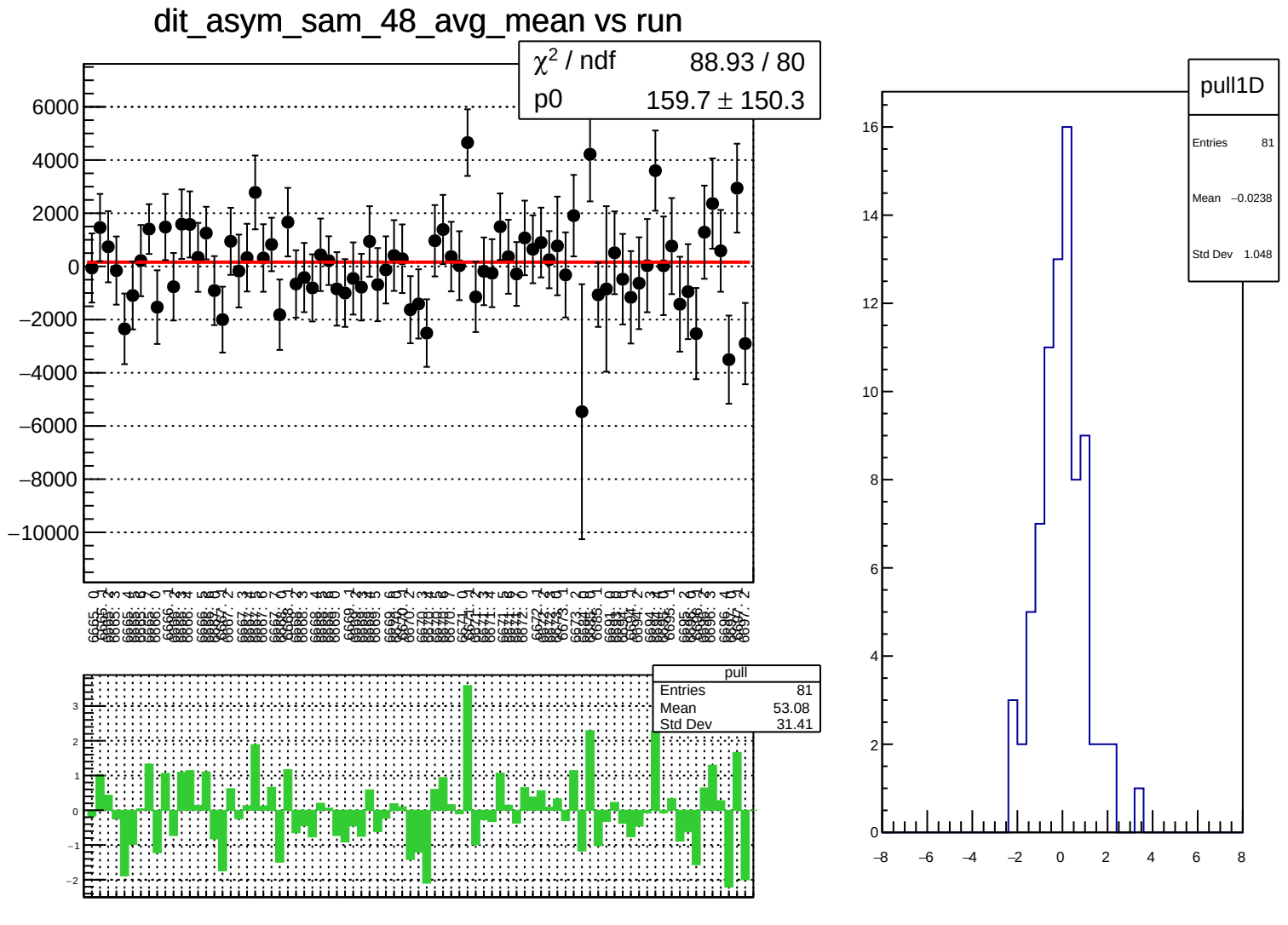

asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.18 / 80
p0 −306.7 ± 434.5
pull
Entries 81
Mean 103.1
Std Dev 19.86
pull1D
Entries 81
Mean −0.01542
Std Dev 0.89


asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 2.495e+04 / 80
p0 378.1 ± 0.3072
500
450
400
350
300

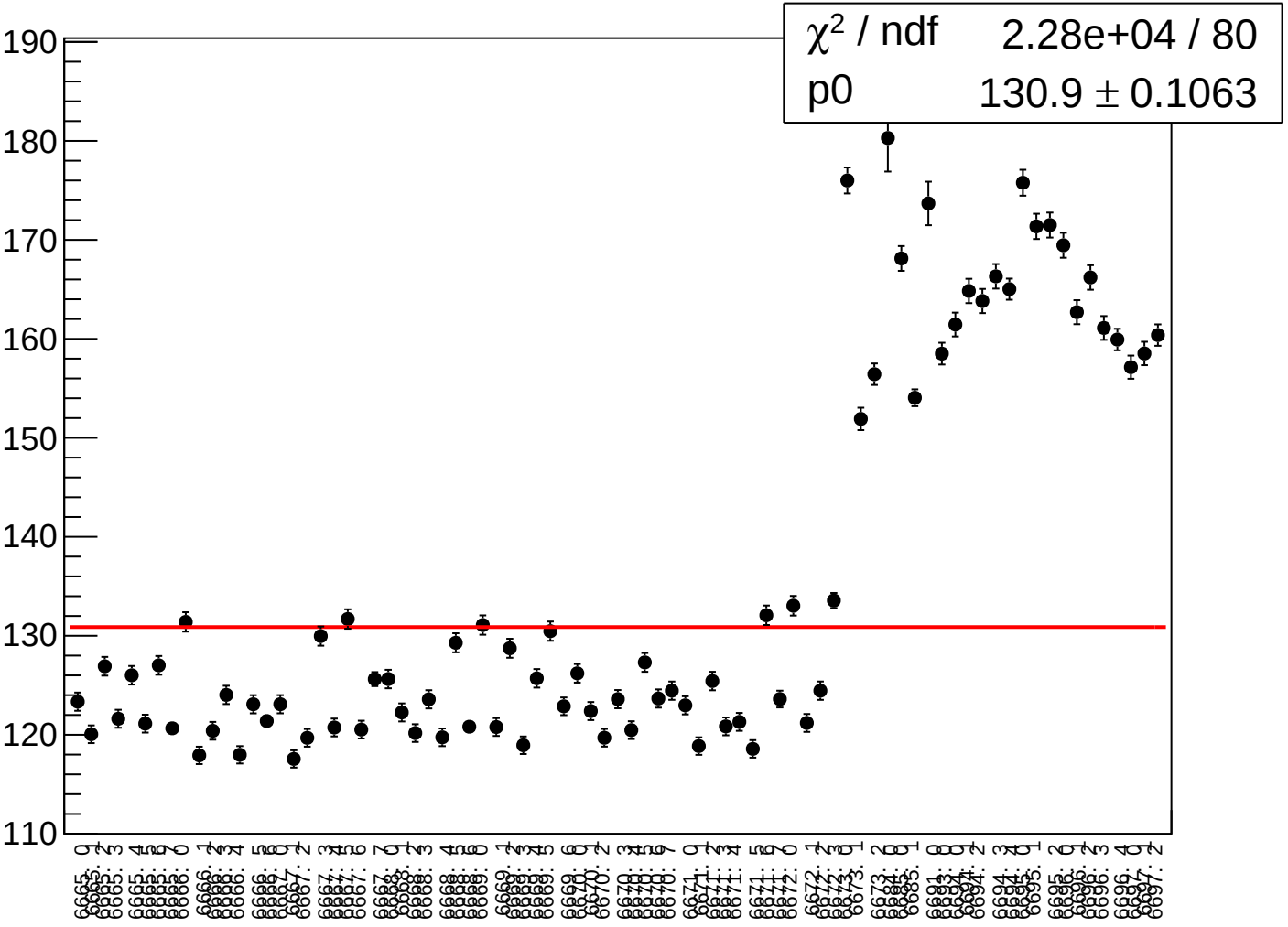

asym_sam_37_avg_mean vs run
χ² / ndf 72.67 / 80
p0 510.9 ± 458.9
pull
Entries 81
Mean 81.82
Std Dev 55.04
pull1D
Entries 81
Mean 0.01496
Std Dev 0.9471

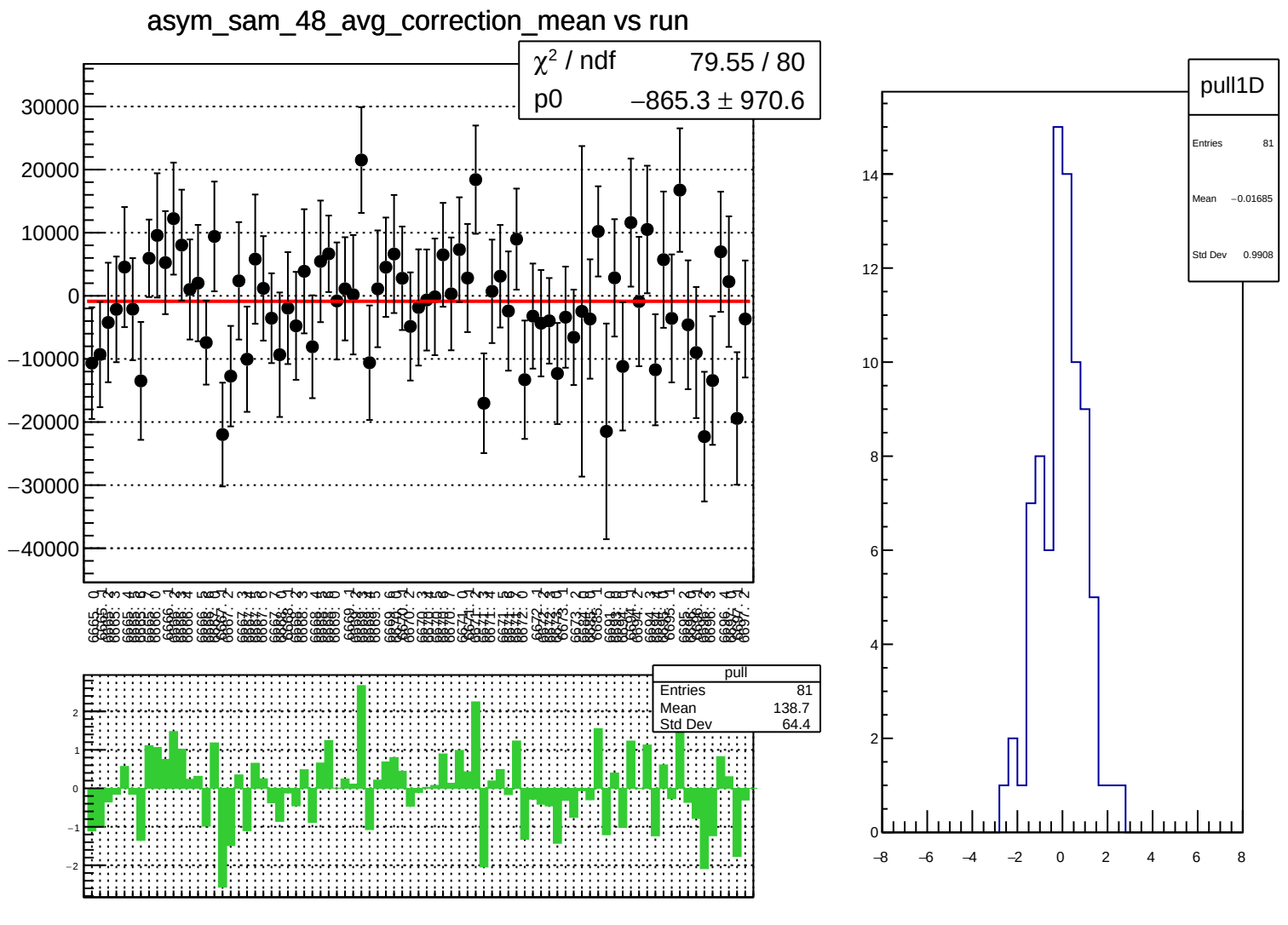
asym_sam_37_avg_rms vs run

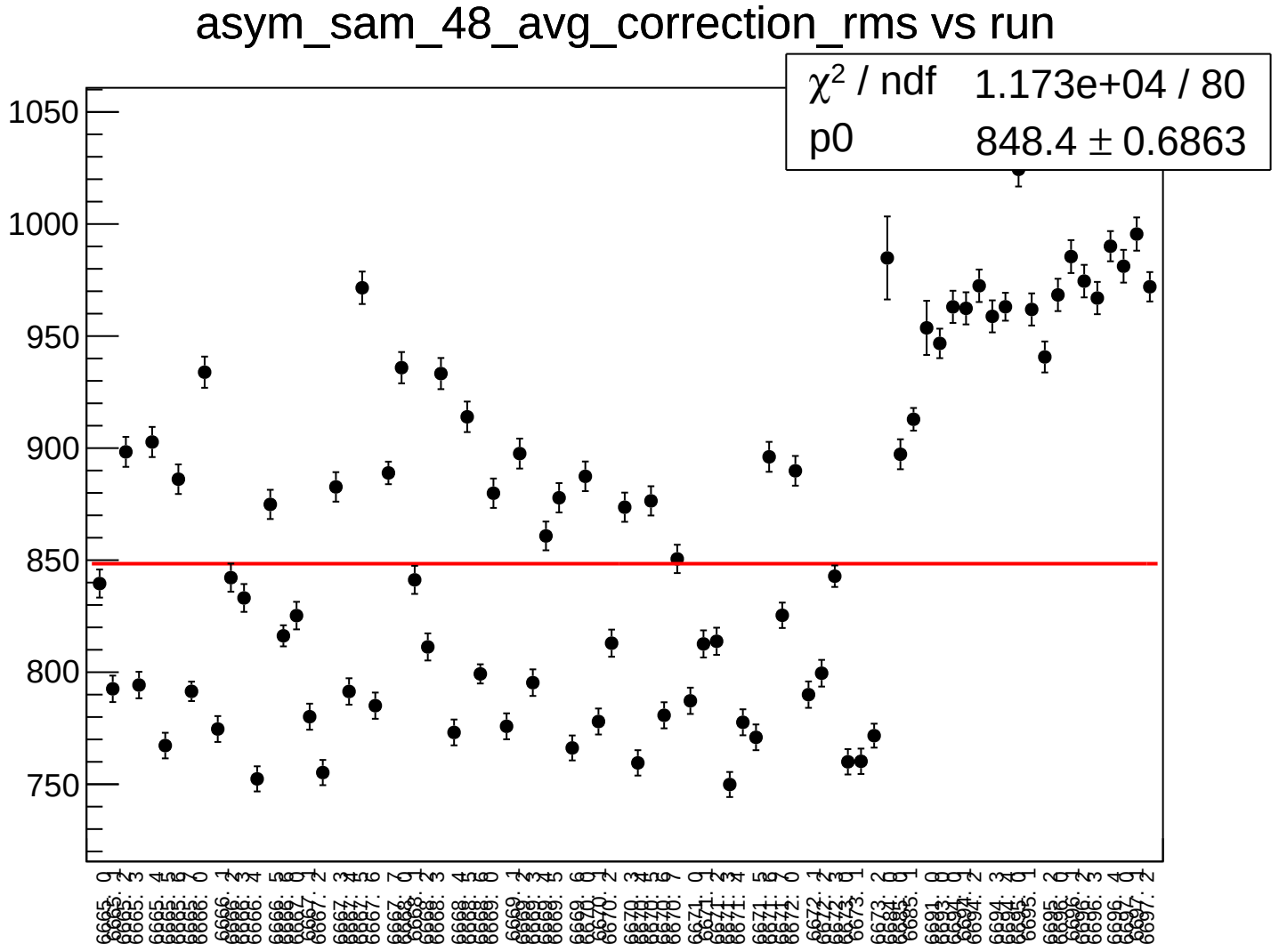


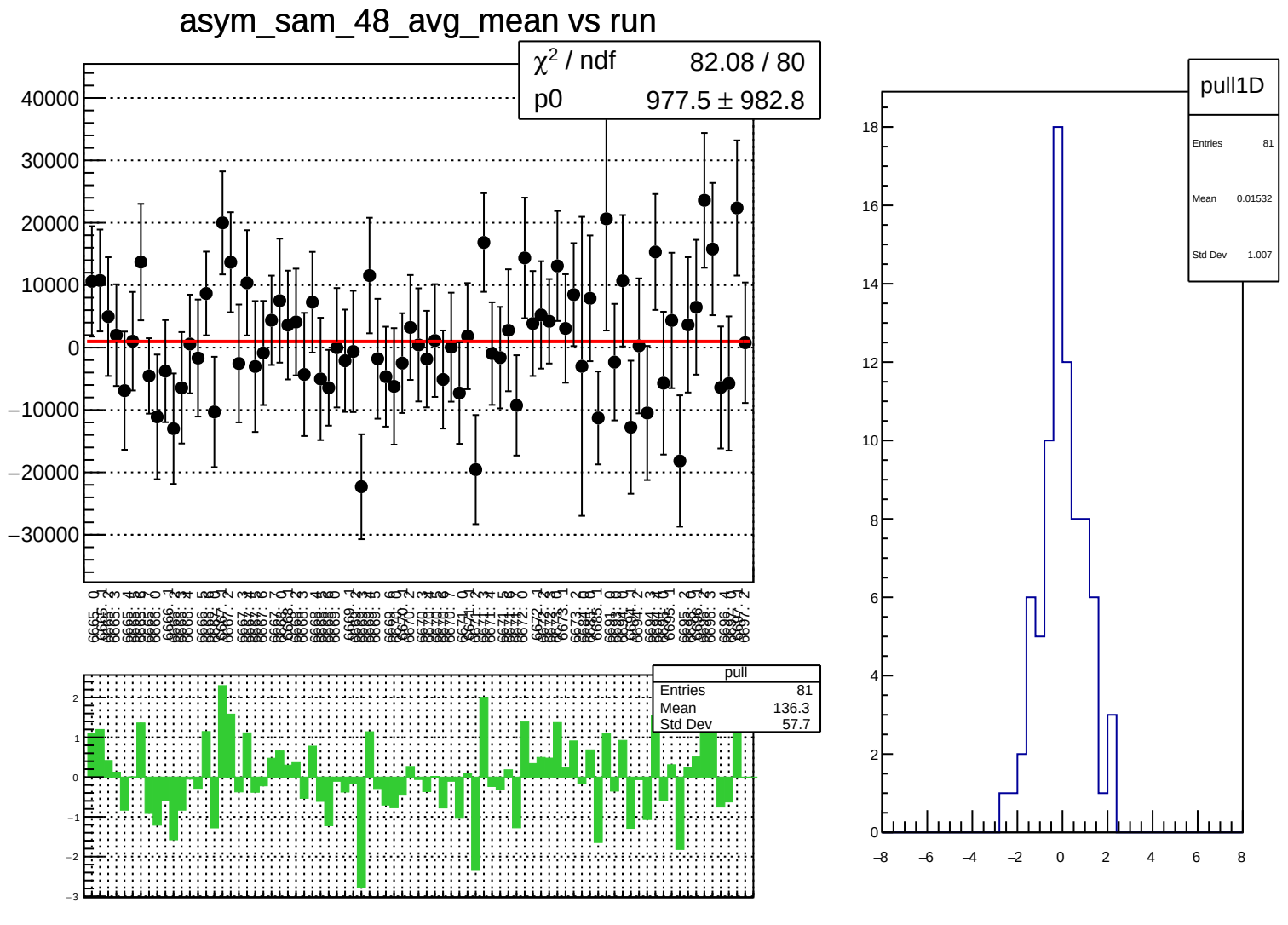

dit_asym_sam_48_avg_mean vs run
χ² / ndf 88.93 / 80
p0 159.7 ± 150.3
pull
Entries 81
Mean 53.08
Std Dev 31.41
pull1D
Entries 81
Mean −0.0238
Std Dev 1.048

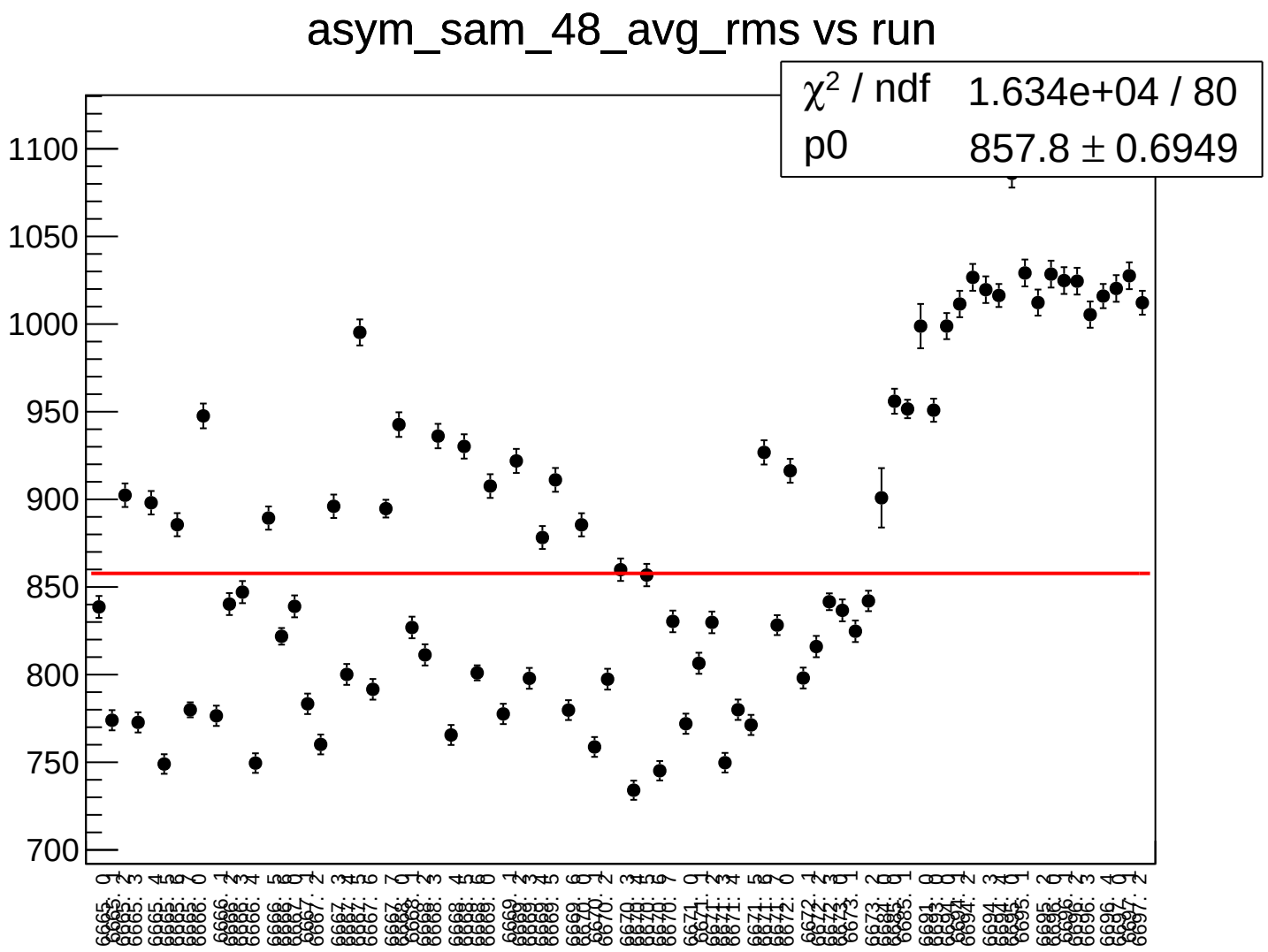
dit_asym_sam_48_avg_rms vs run

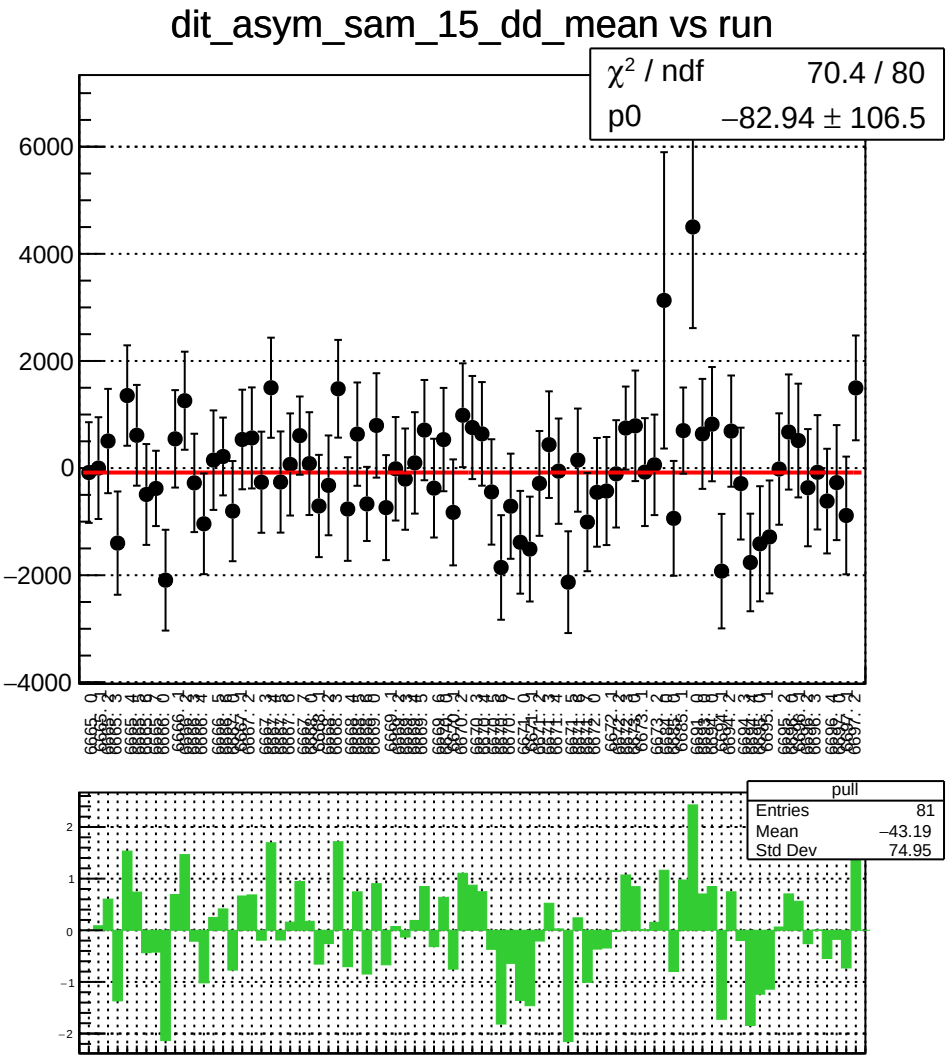


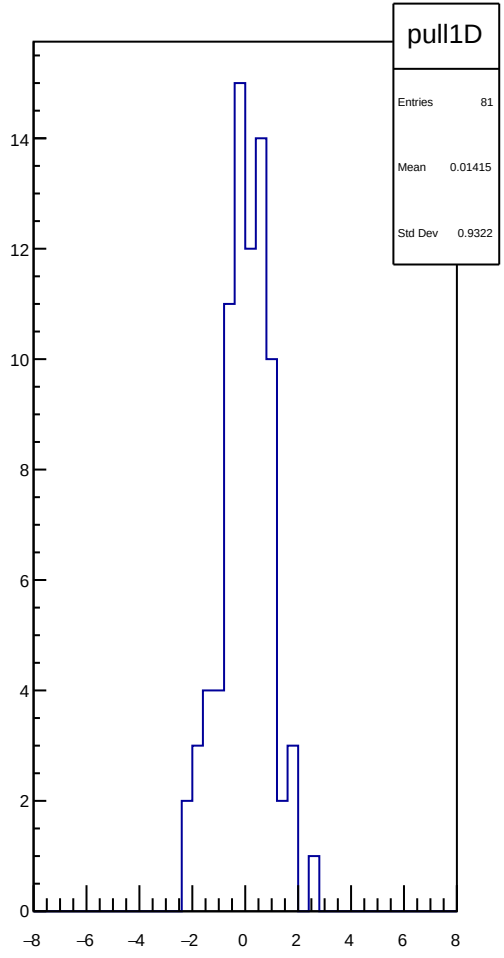

asym_sam_48_avg_correction_mean vs run
χ² / ndf 79.55 / 80
p0 −865.3 ± 970.6
pull
Entries 81
Mean 138.7
Std Dev 64.4
pull1D
Entries 81
Mean −0.01685
Std Dev 0.9908


asym_sam_48_avg_correction_rms vs run
χ² / ndf 1.173e+04 / 80
p0 848.4 ± 0.6863
1050
1000
950
900
850
800
750

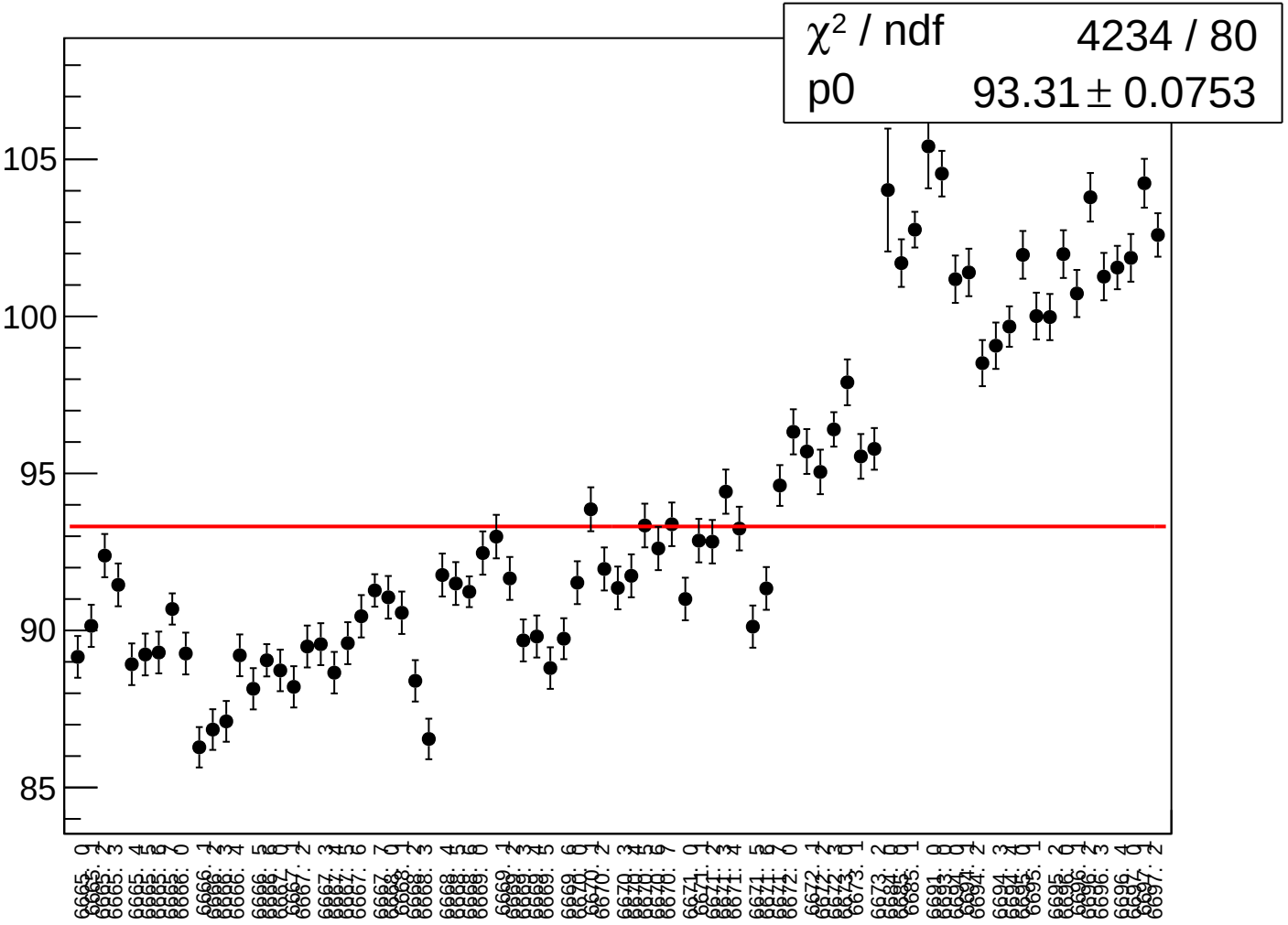

asym_sam_48_avg_mean vs run
χ² / ndf 82.08 / 80
p0 977.5 ± 982.8
pull
Entries 81
Mean 136.3
Std Dev 57.7
pull1D
Entries 81
Mean 0.01532
Std Dev 1.007

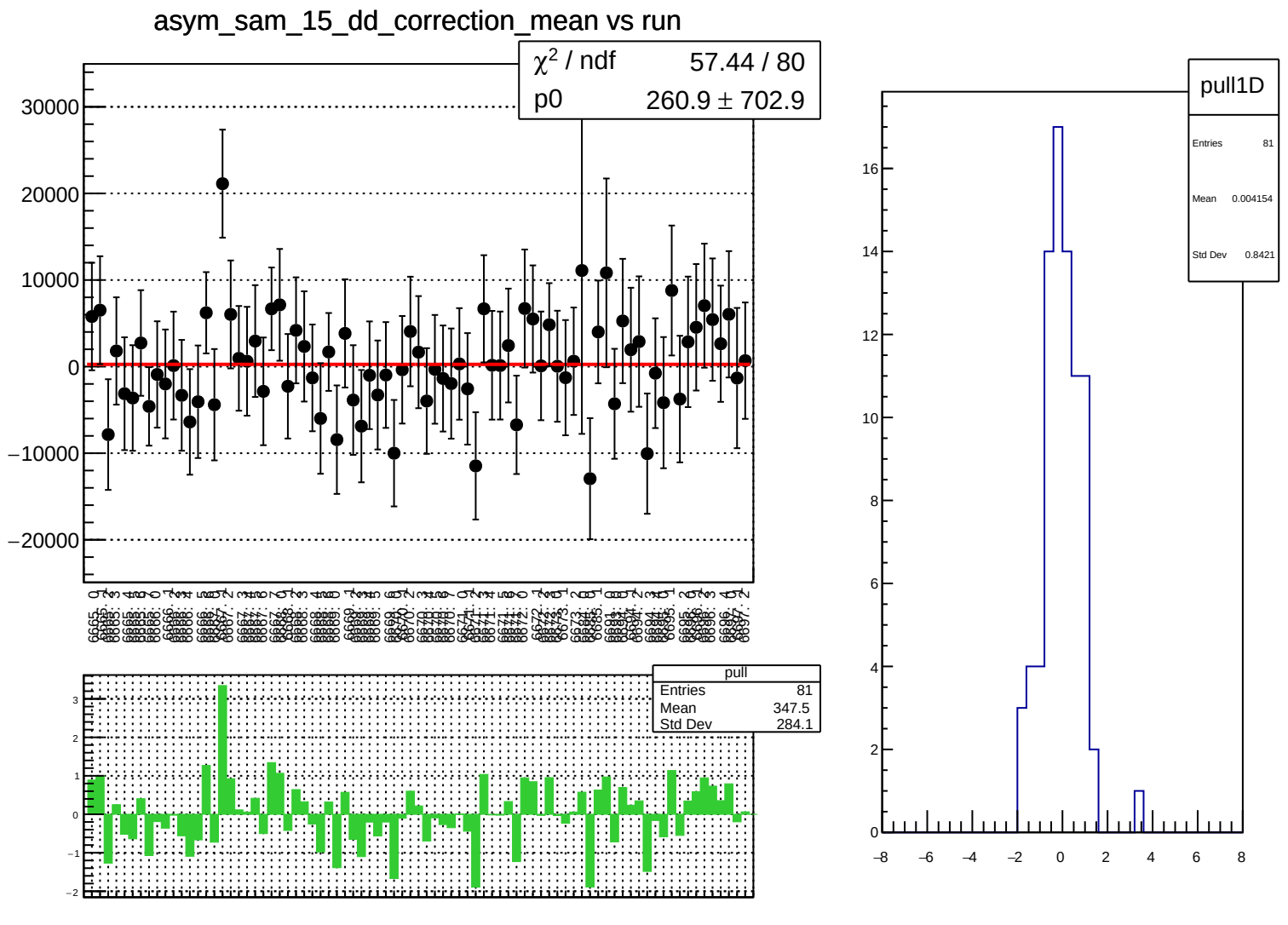

asym_sam_48_avg_rms vs run
χ² / ndf 1.634e+04 / 80
p0 857.8 ± 0.6949
1100
1050
1000
950
900
850
800
750
700

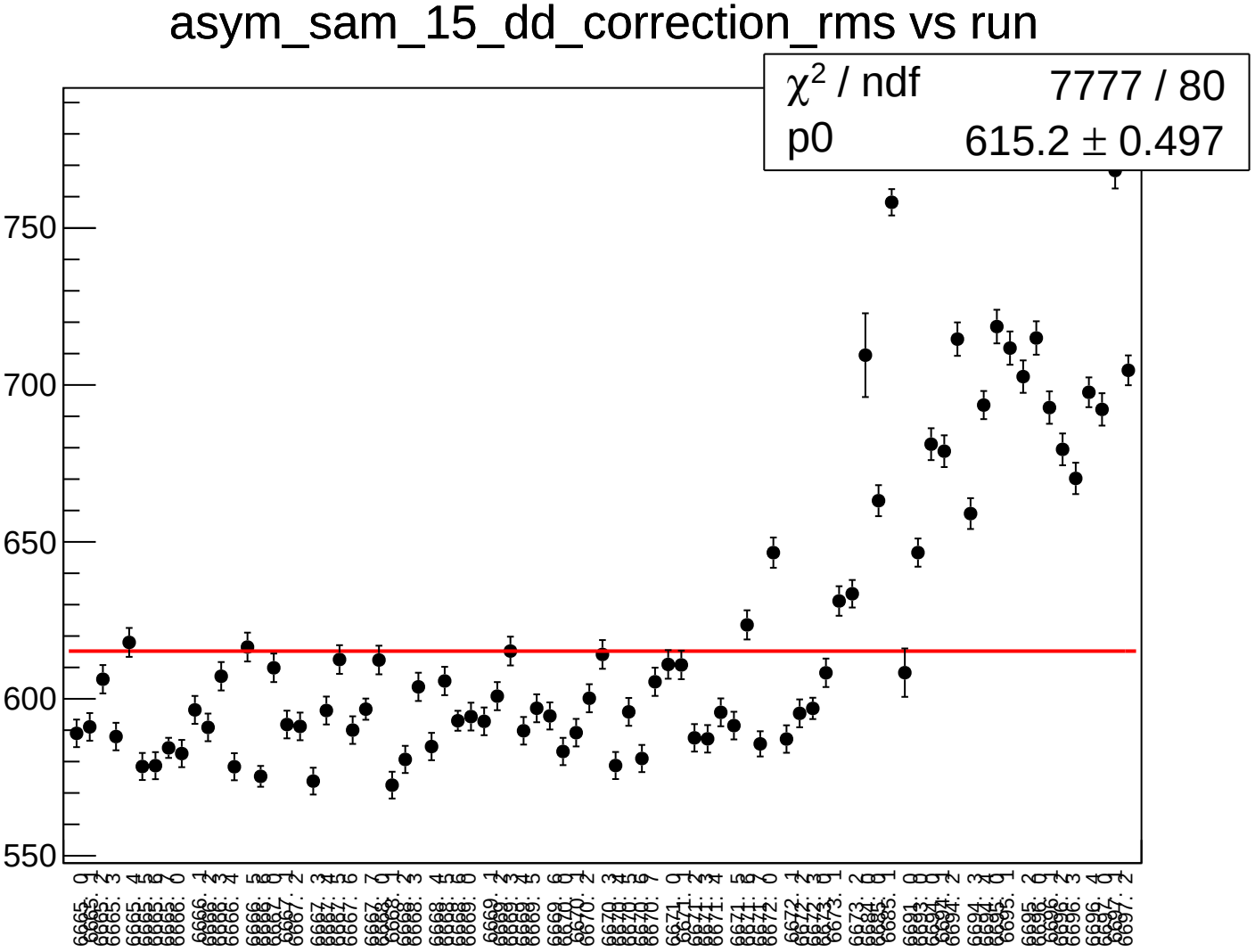

dit_asym_sam_15_dd_mean vs run
χ² / ndf 70.4 / 80
p0 −82.94 ± 106.5
6000
4000
2000
0
−2000
−4000
pull
Entries 81
Mean −43.19
Std Dev 74.95
2
1
0
−1
−2

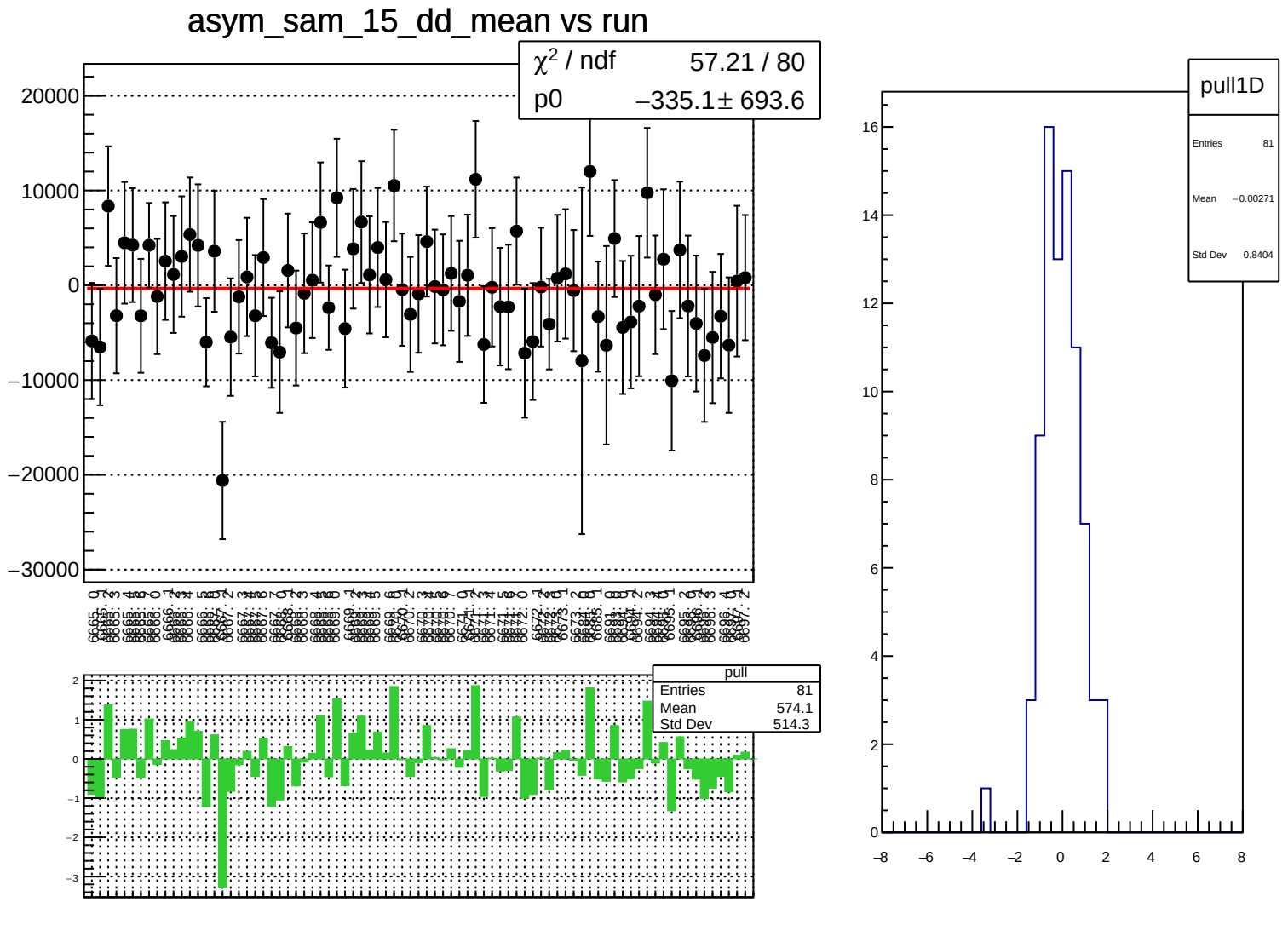

pull1D
Entries 81
Mean 0.01415
Std Dev 0.9322
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

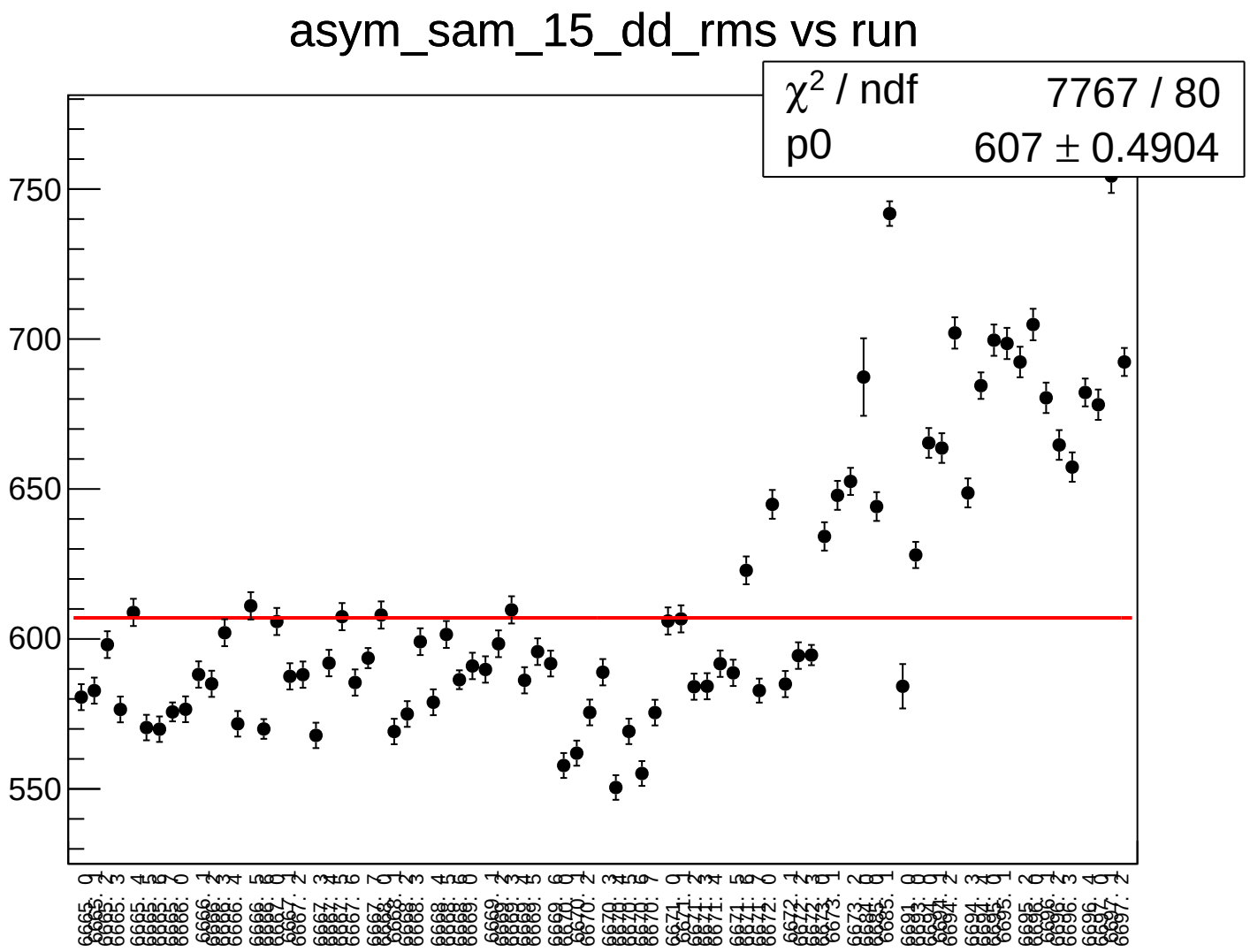
dit_asym_sam_15_dd_rms vs run

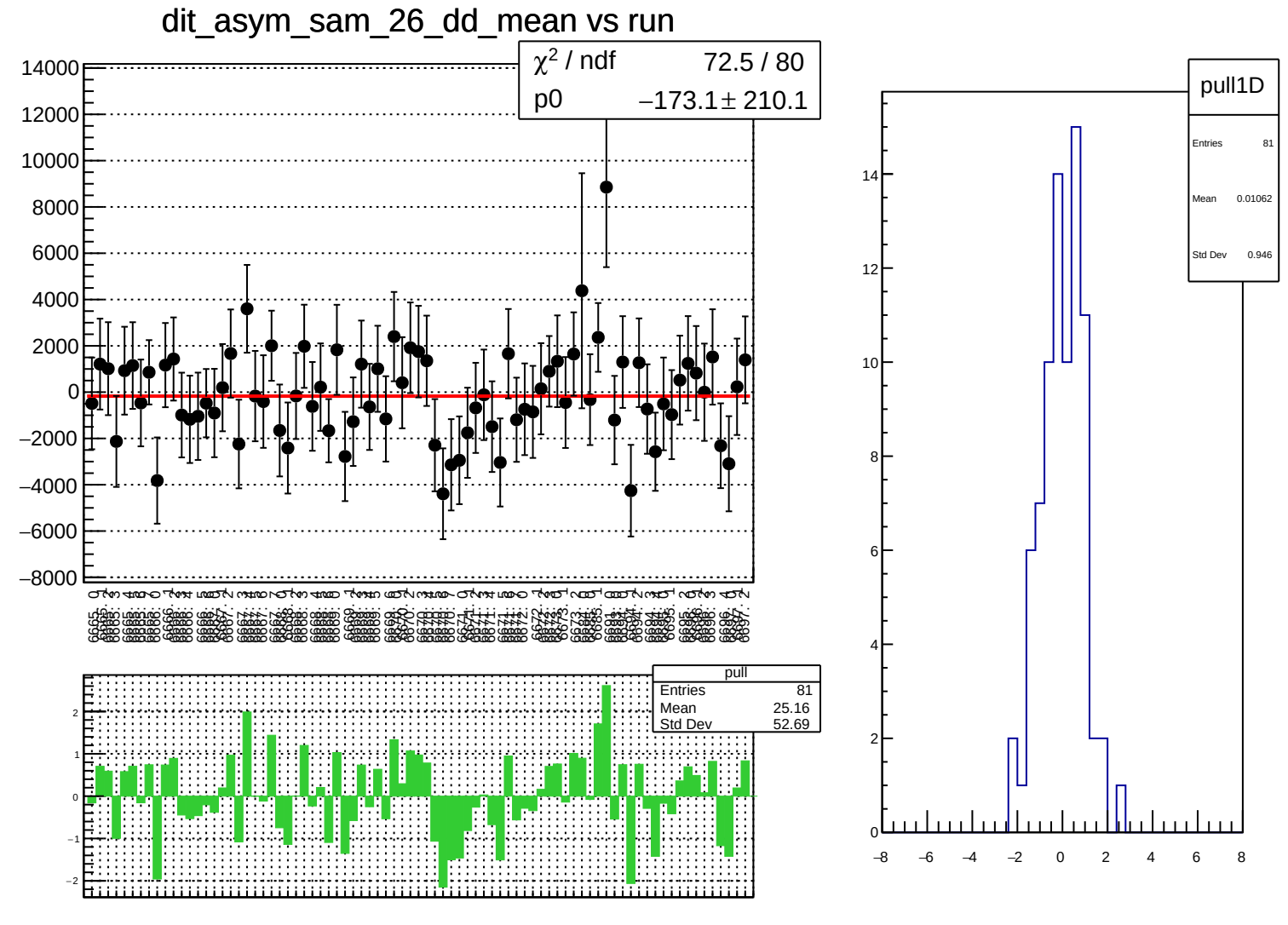



asym_sam_15_dd_correction_mean vs run
χ² / ndf 57.44 / 80
p0 260.9 ± 702.9
pull
Entries 81
Mean 347.5
Std Dev 284.1
pull1D
Entries 81
Mean 0.004154
Std Dev 0.8421

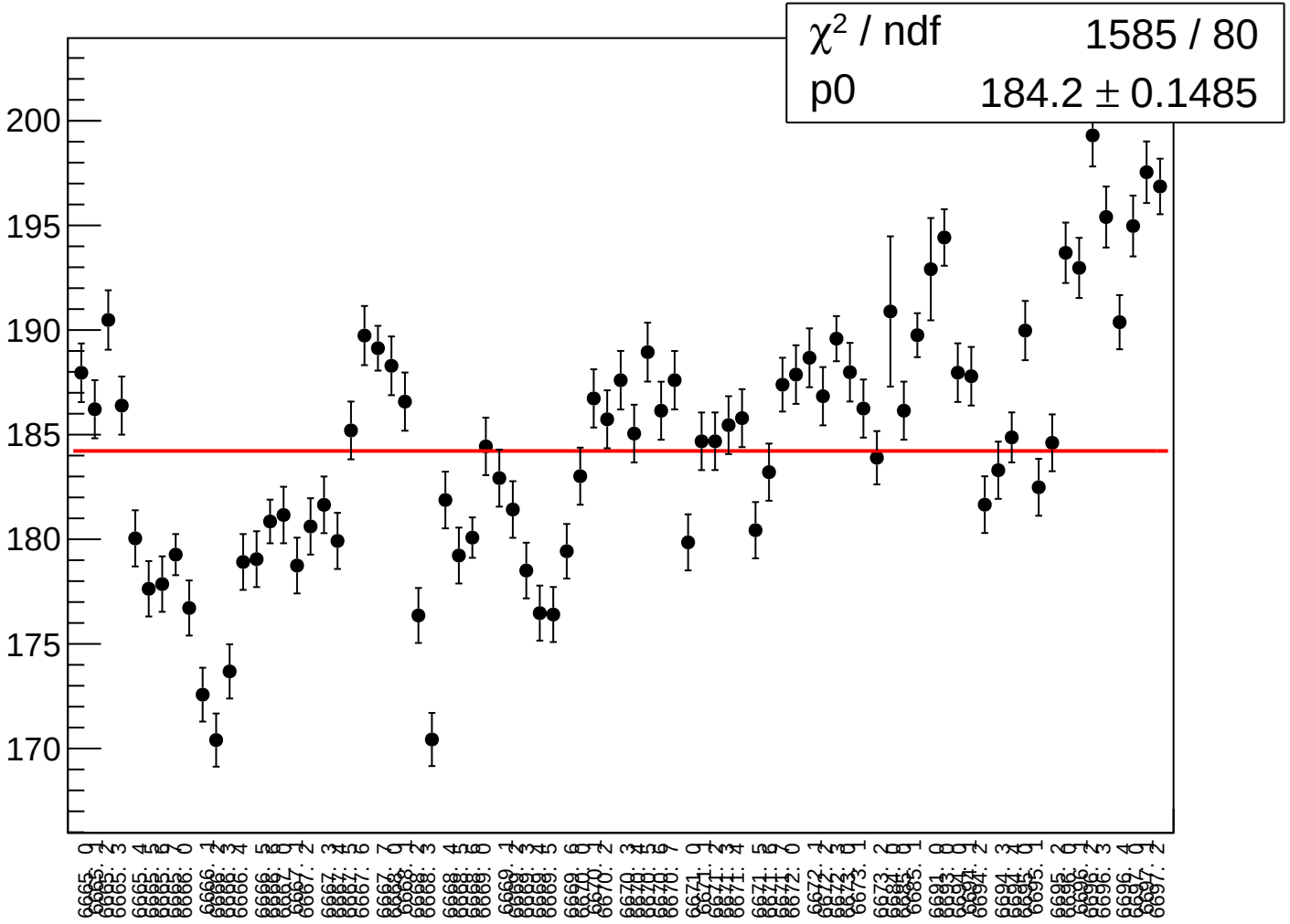

asym_sam_15_dd_correction_rms vs run
χ² / ndf 7777 / 80
p0 615.2 ± 0.497
750
700
650
600
550

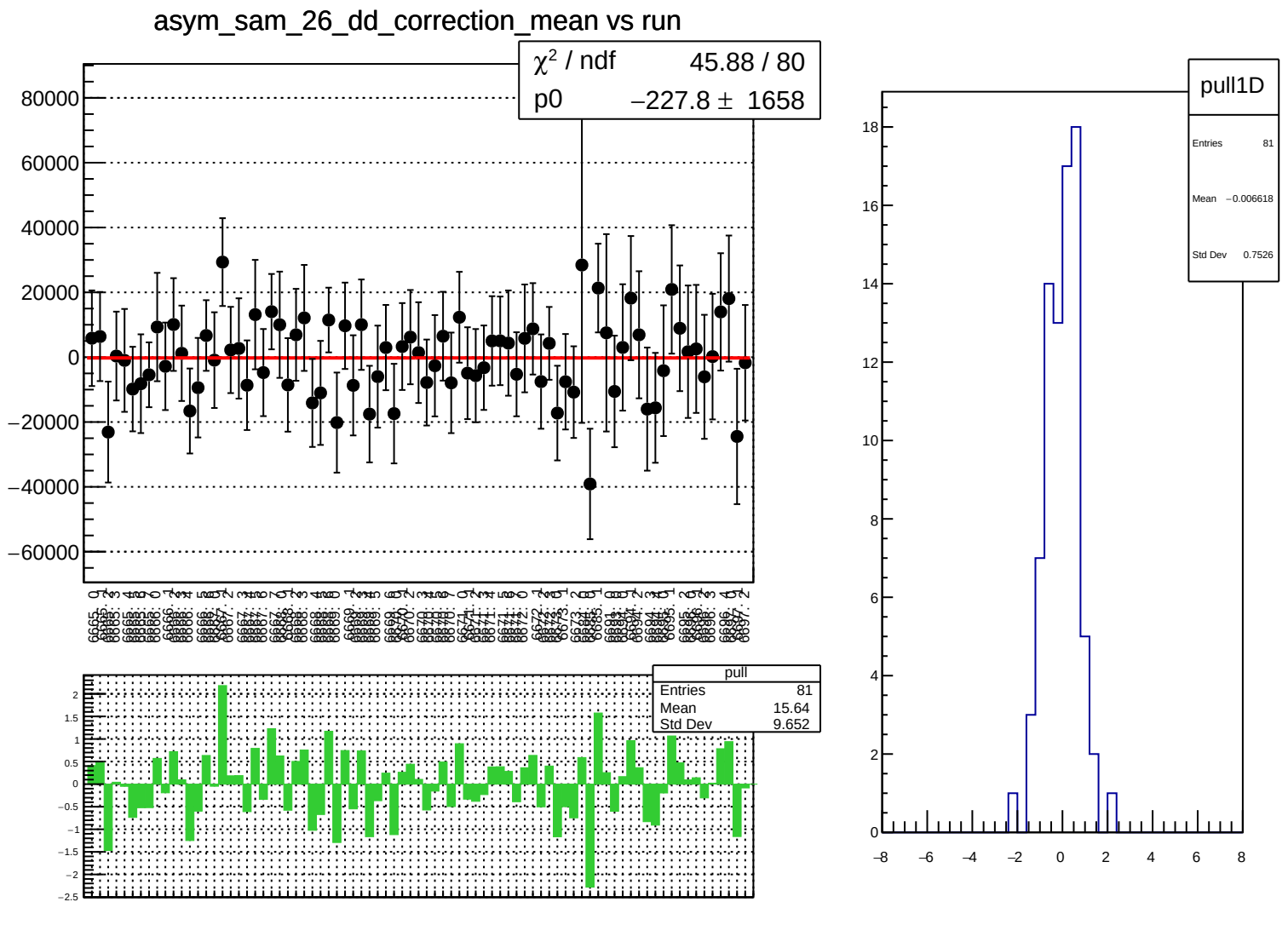

asym_sam_15_dd_mean vs run
χ² / ndf 57.21 / 80
p0 −335.1 ± 693.6
pull
Entries 81
Mean 574.1
Std Dev 514.3
pull1D
Entries 81
Mean −0.00271
Std Dev 0.8404

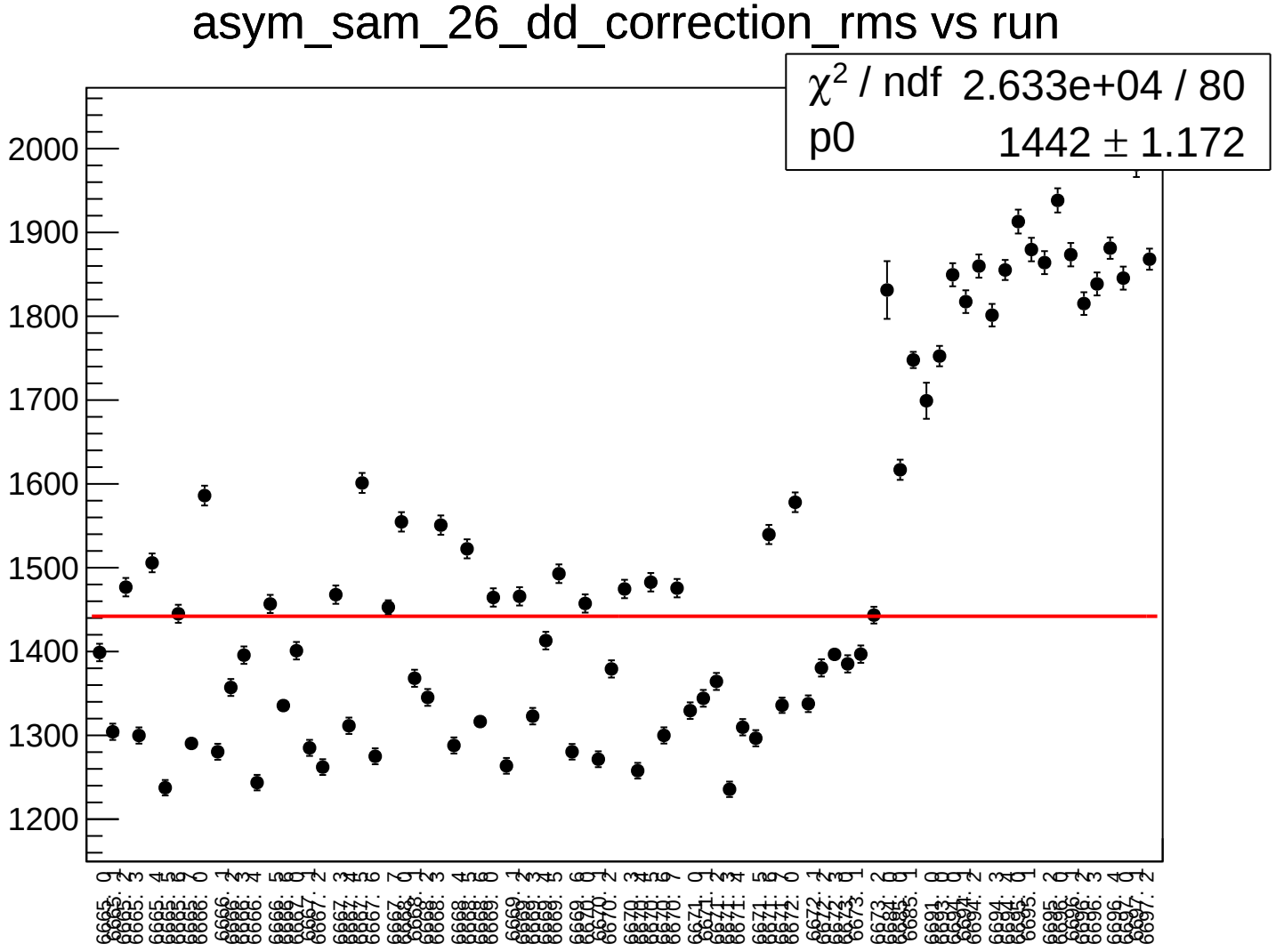

asym_sam_15_dd_rms vs run
χ² / ndf 7767 / 80
p0 607 ± 0.4904
750
700
650
600
550

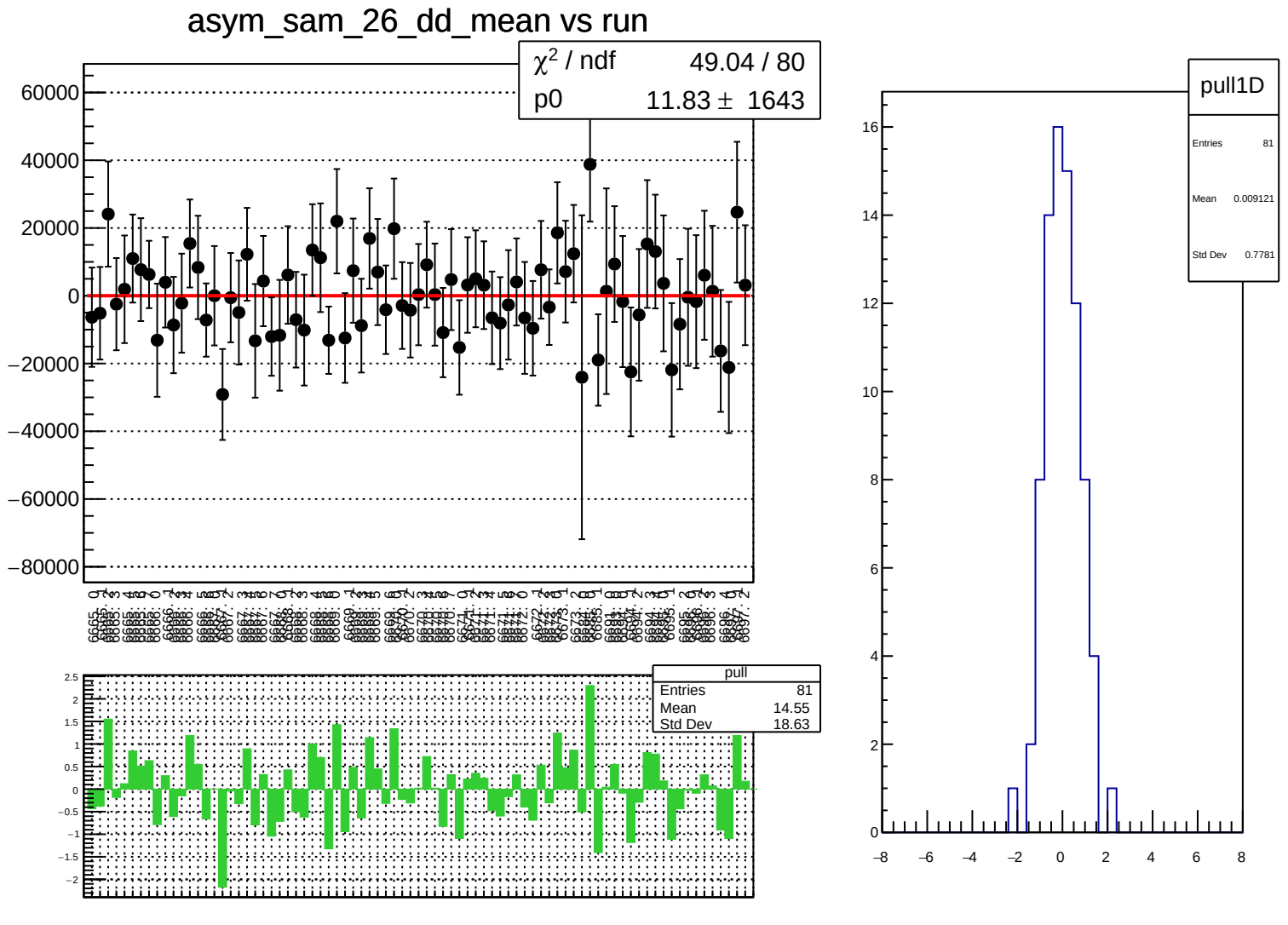

dit_asym_sam_26_dd_mean vs run
χ² / ndf 72.5 / 80
p0 −173.1 ± 210.1
pull
Entries 81
Mean 25.16
Std Dev 52.69
pull1D
Entries 81
Mean 0.01062
Std Dev 0.946

dit_asym_sam_26_dd_rms vs run

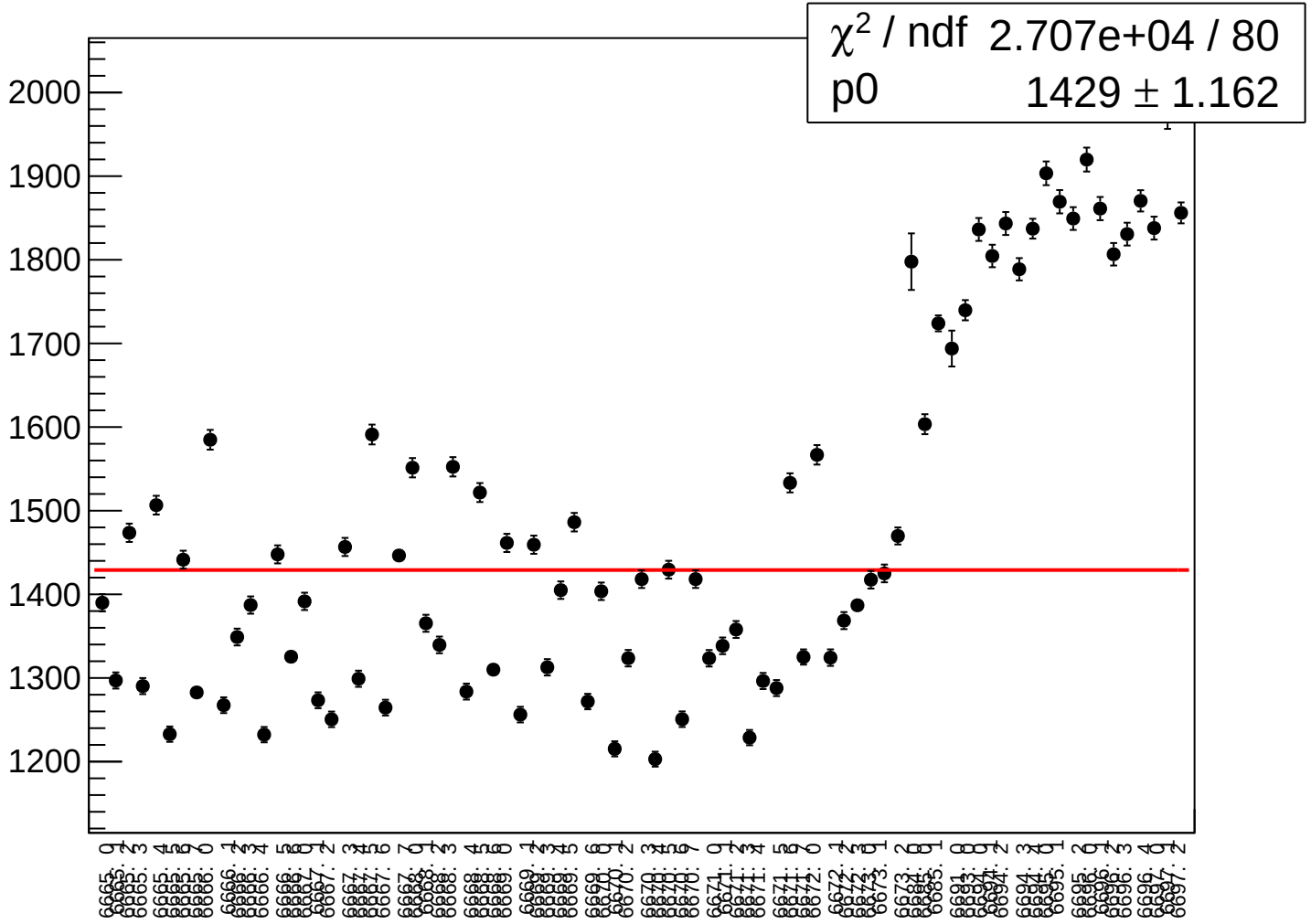


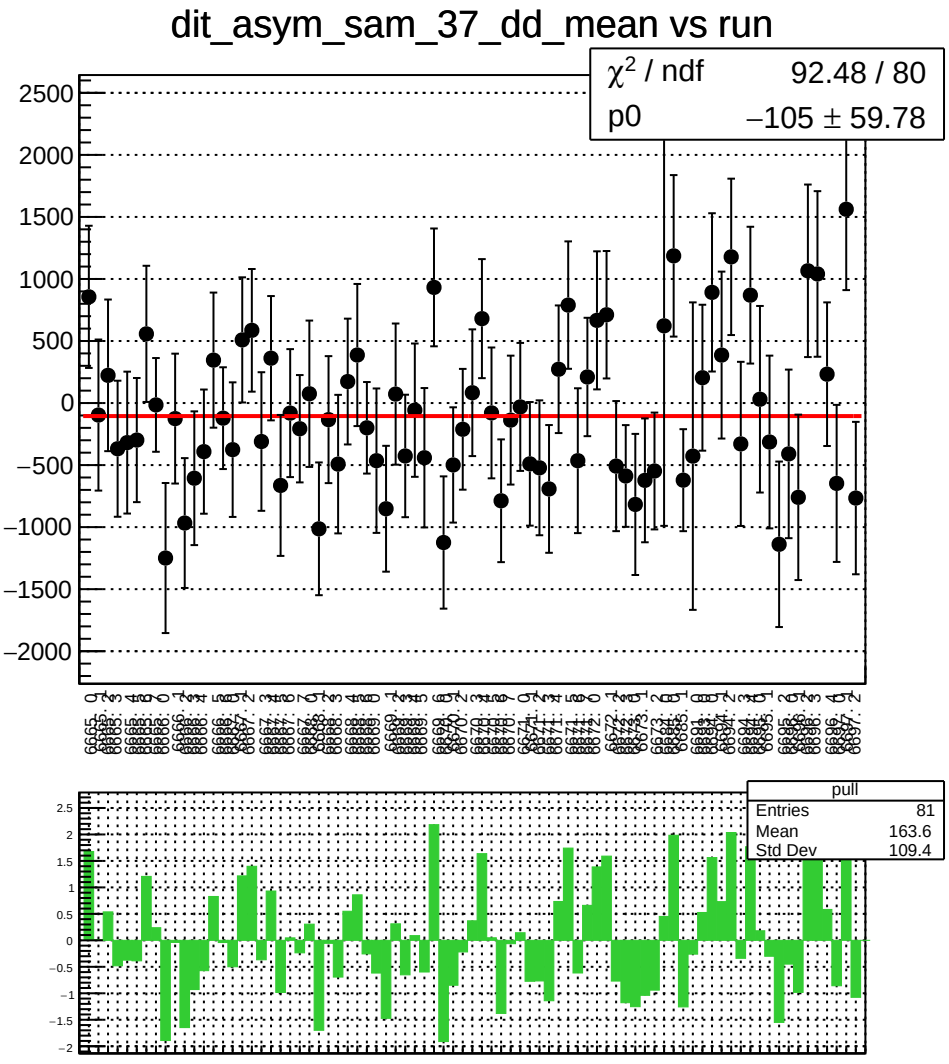

asym_sam_26_dd_correction_mean vs run
χ² / ndf 45.88 / 80
p0 −227.8 ± 1658
pull
Entries 81
Mean 15.64
Std Dev 9.652
pull1D
Entries 81
Mean −0.006618
Std Dev 0.7526

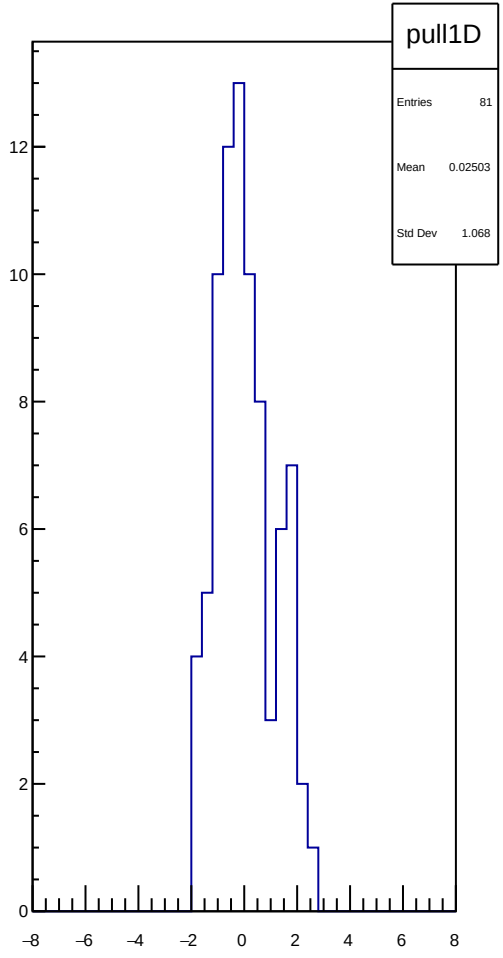

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2.633e+04 / 80
p0 1442 ± 1.172
2000
1900
1800
1700
1600
1500
1400
1300
1200


asym_sam_26_dd_mean vs run
χ² / ndf 49.04 / 80
p0 11.83 ± 1643
pull
Entries 81
Mean 14.55
Std Dev 18.63
pull1D
Entries 81
Mean 0.009121
Std Dev 0.7781

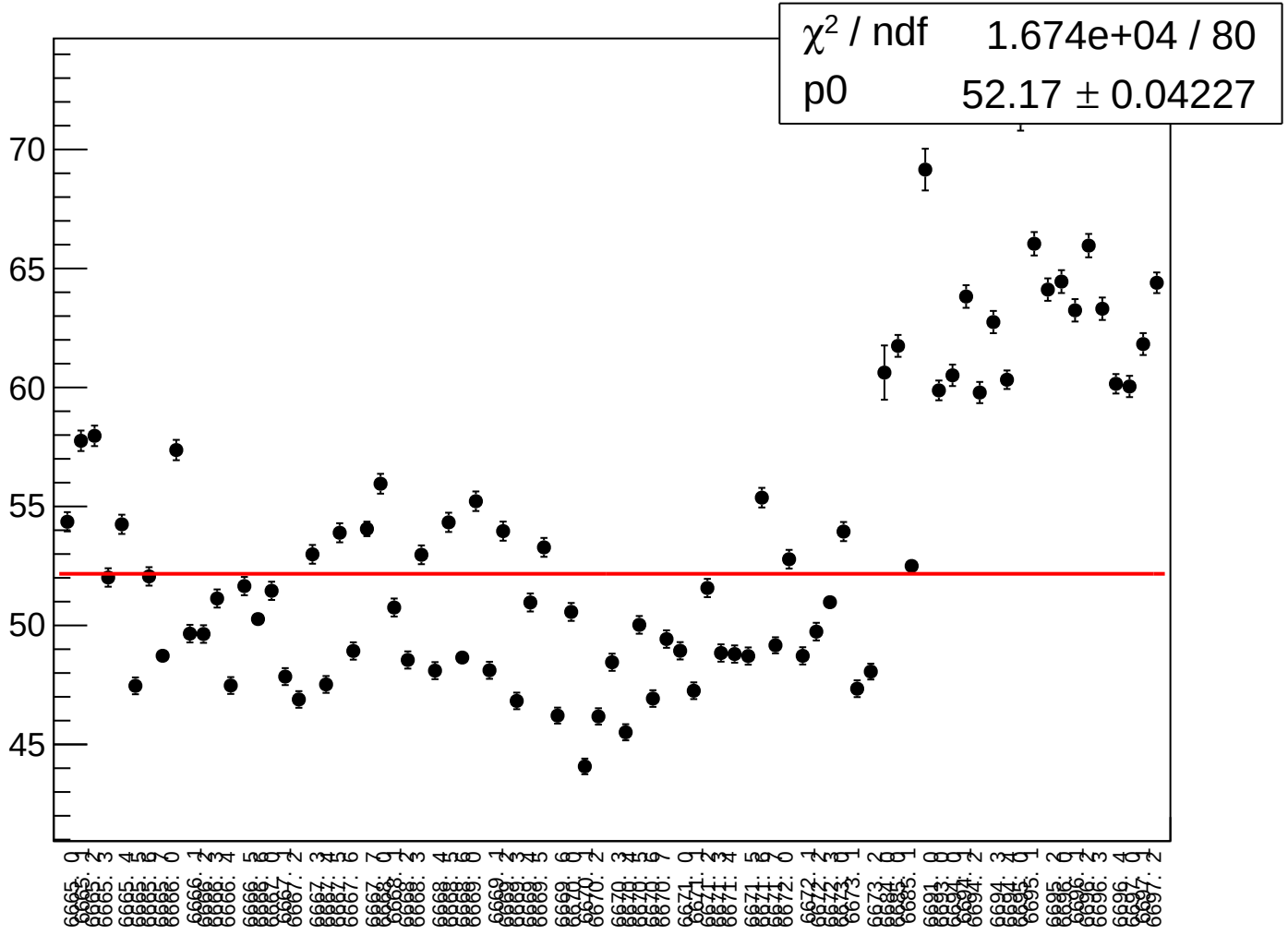
asym_sam_26_dd_rms vs run

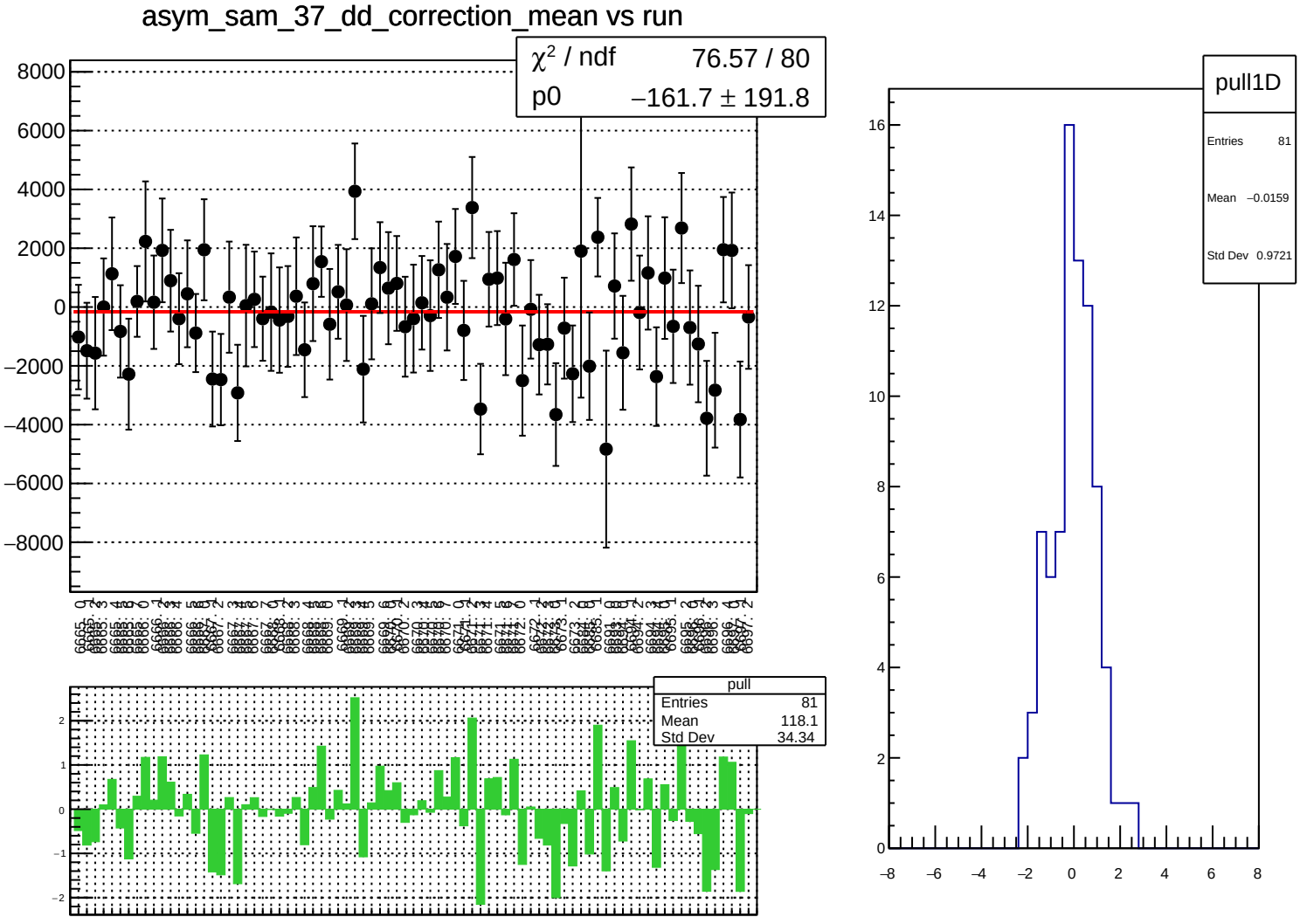



dit_asym_sam_37_dd_mean vs run
χ² / ndf 92.48 / 80
p0 −105 ± 59.78
pull
Entries 81
Mean 163.6
Std Dev 109.4

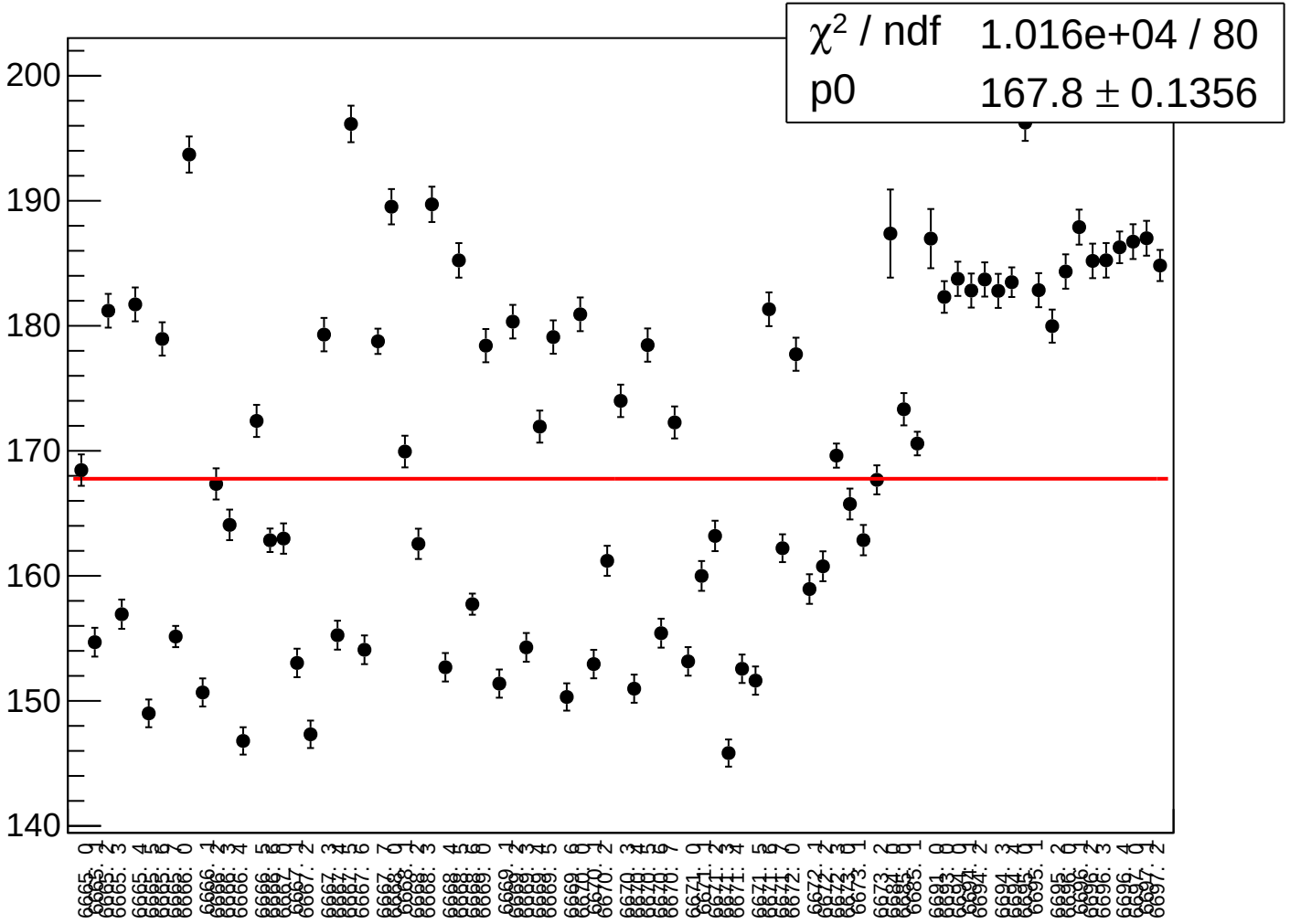

pull1D
Entries 81
Mean 0.02503
Std Dev 1.068

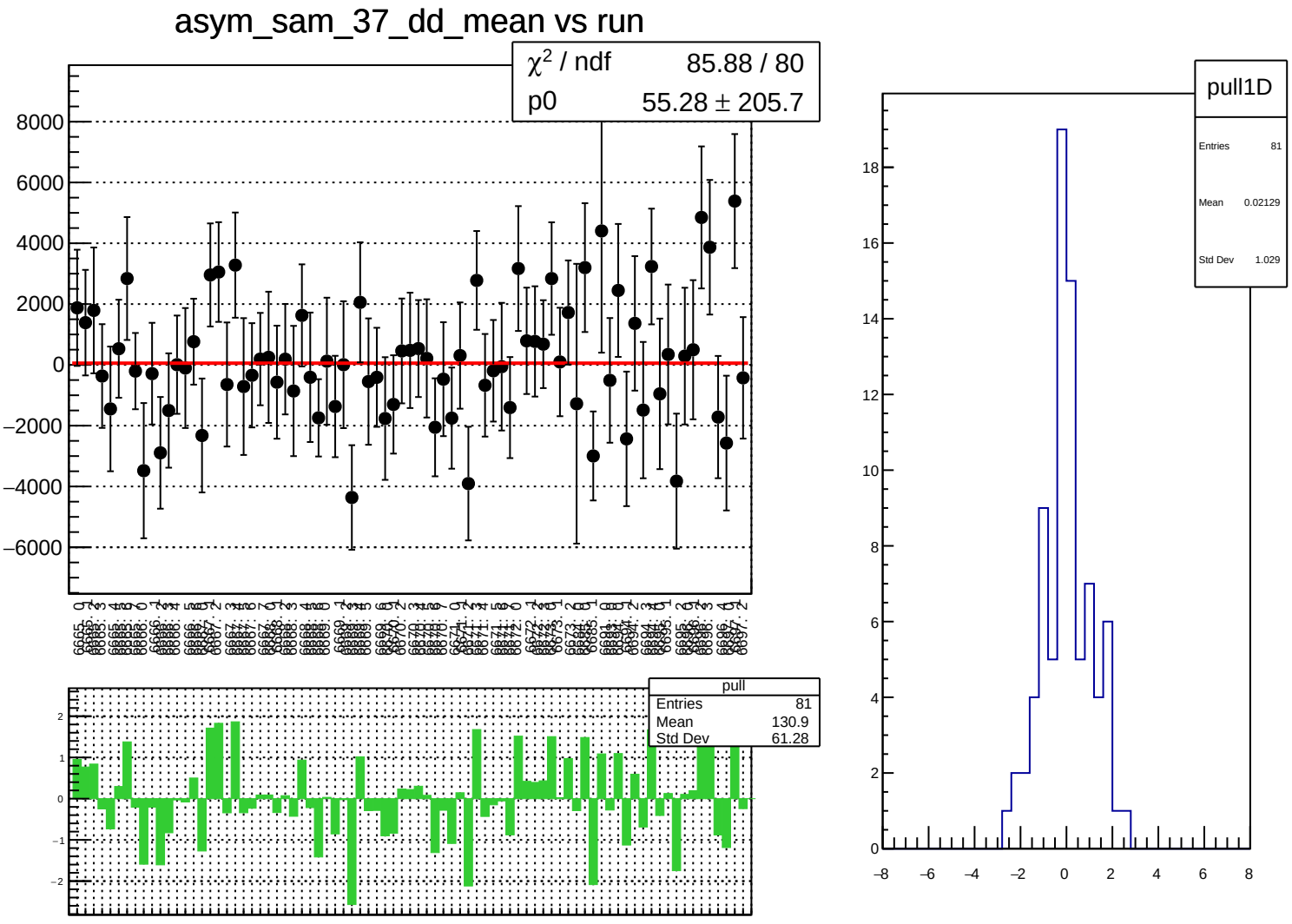
dit_asym_sam_37_dd_rms vs run



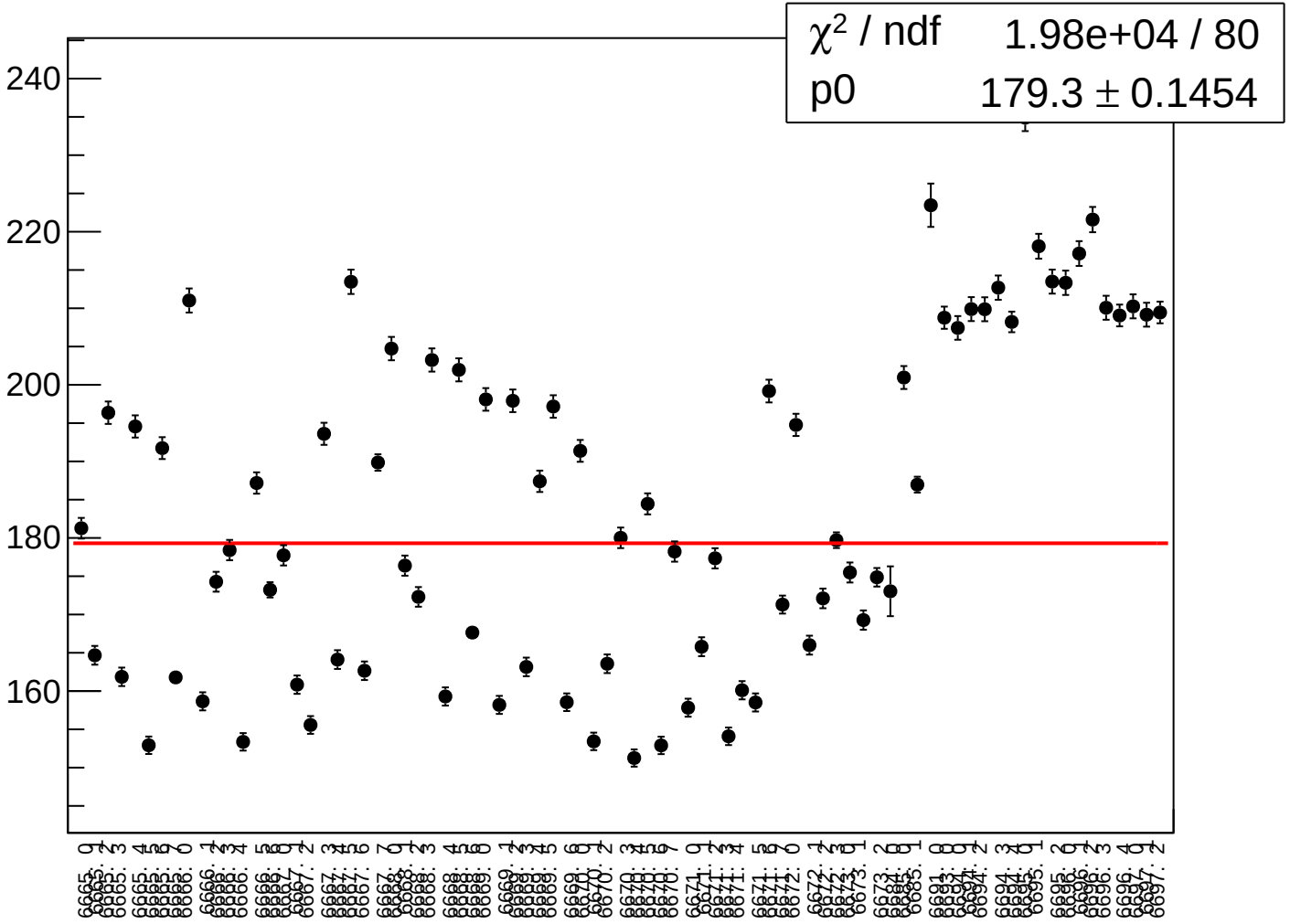

asym_sam_37_dd_correction_mean vs run
χ² / ndf 76.57 / 80
p0 −161.7 ± 191.8
pull
Entries 81
Mean 118.1
Std Dev 34.34
pull1D
Entries 81
Mean −0.0159
Std Dev 0.9721

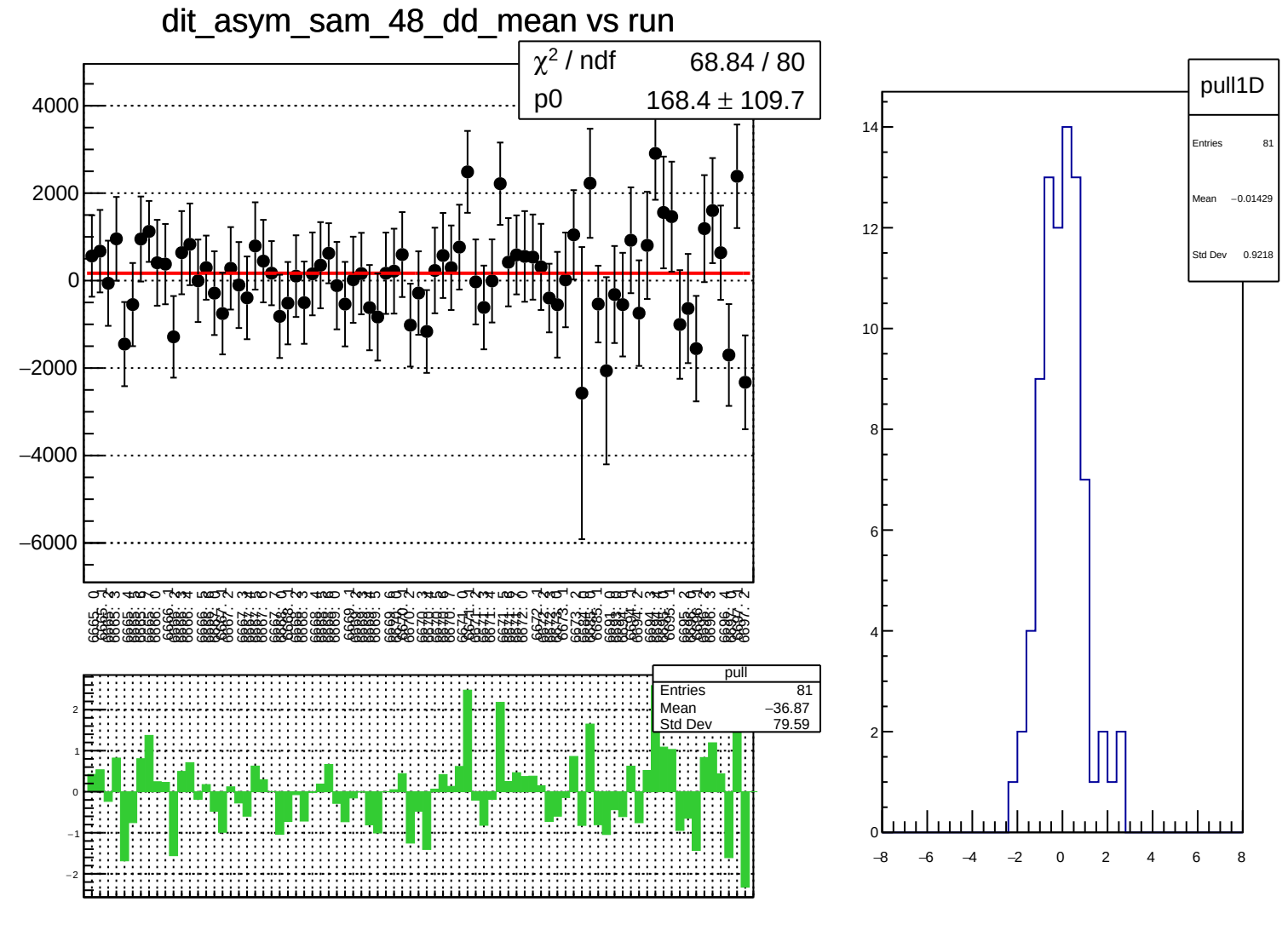
asym_sam_37_dd_correction_rms vs run



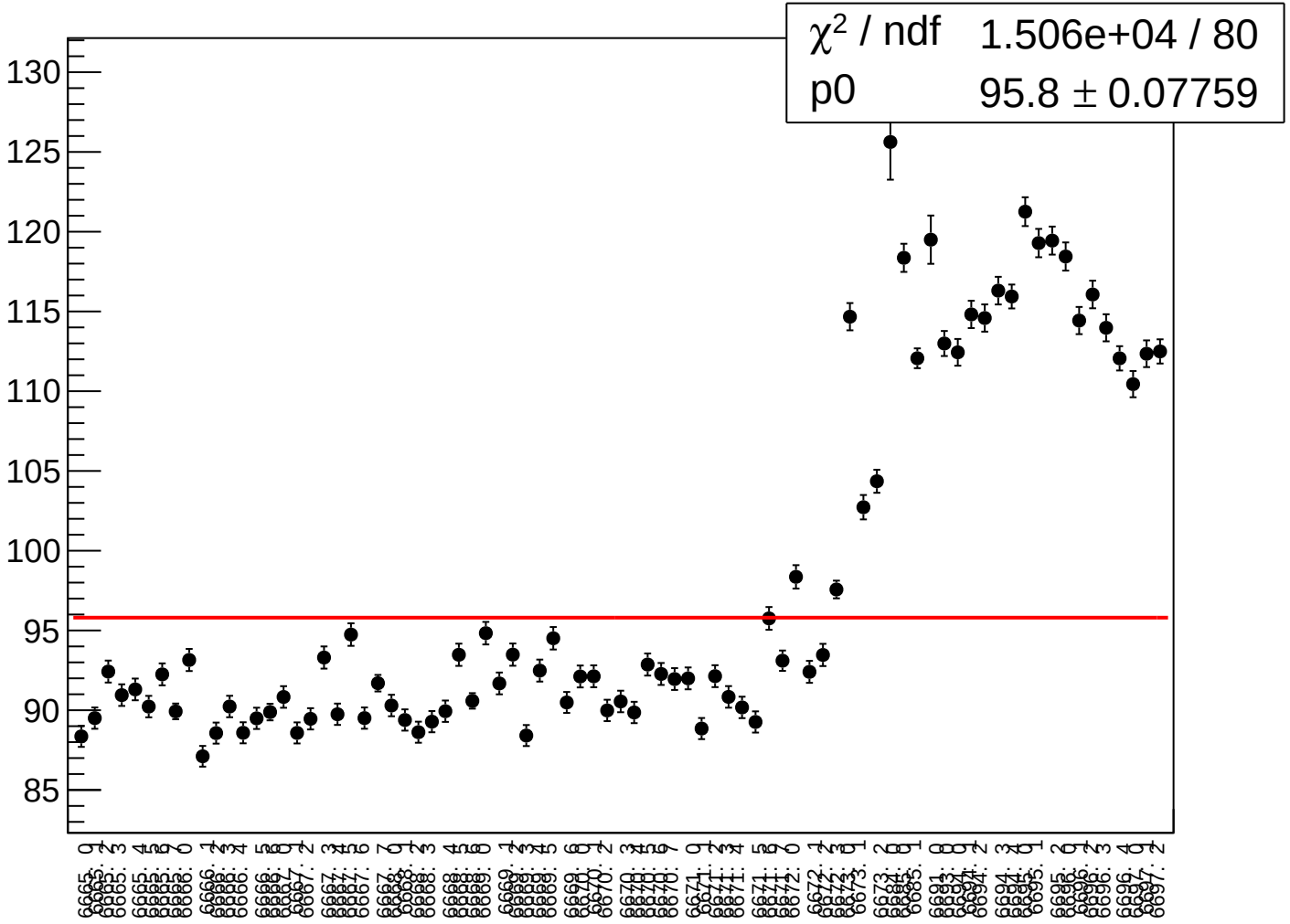

asym_sam_37_dd_mean vs run
χ² / ndf 85.88 / 80
p0 55.28 ± 205.7
pull
Entries 81
Mean 130.9
Std Dev 61.28
pull1D
Entries 81
Mean 0.02129
Std Dev 1.029

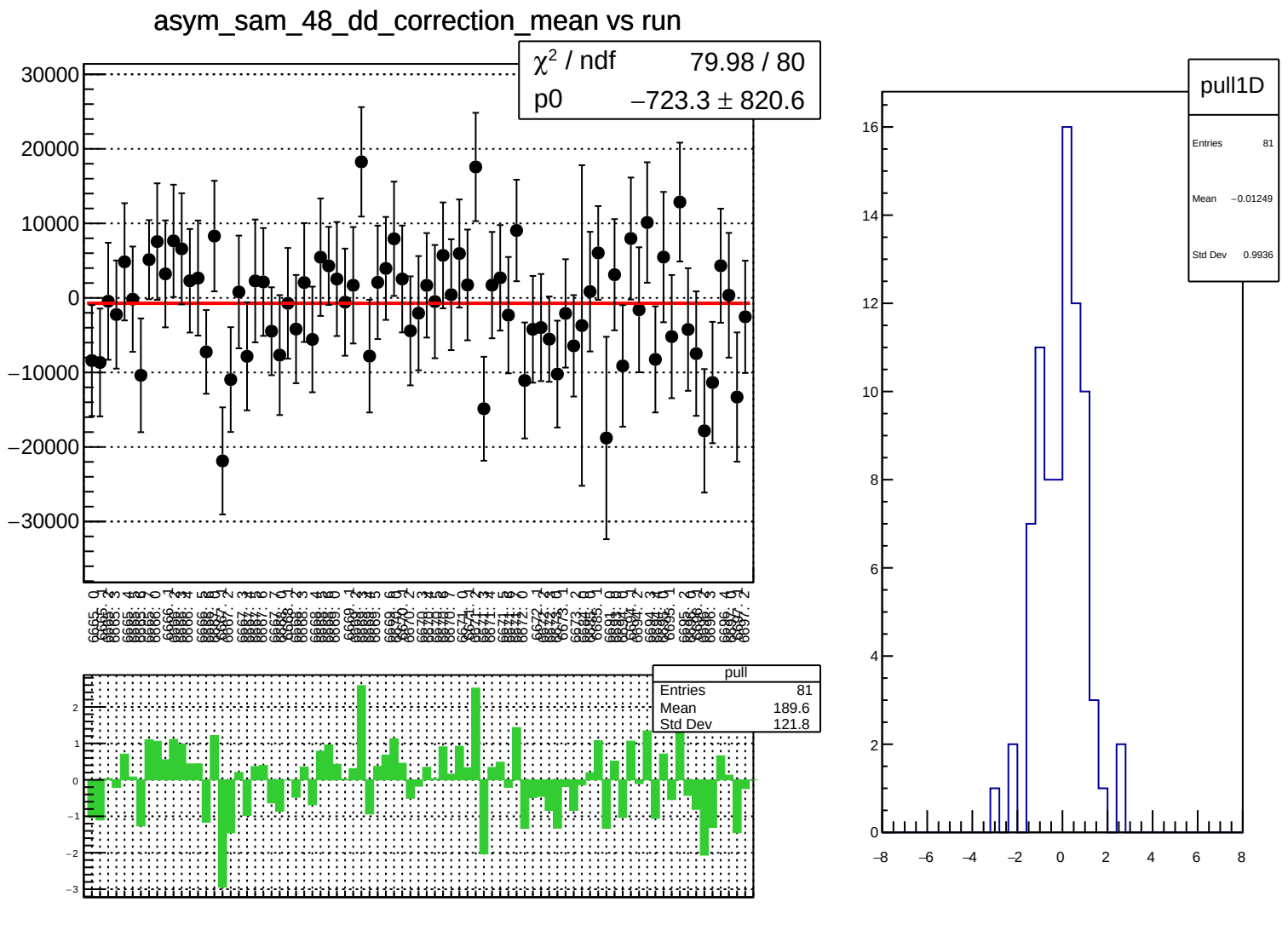
asym_sam_37_dd_rms vs run



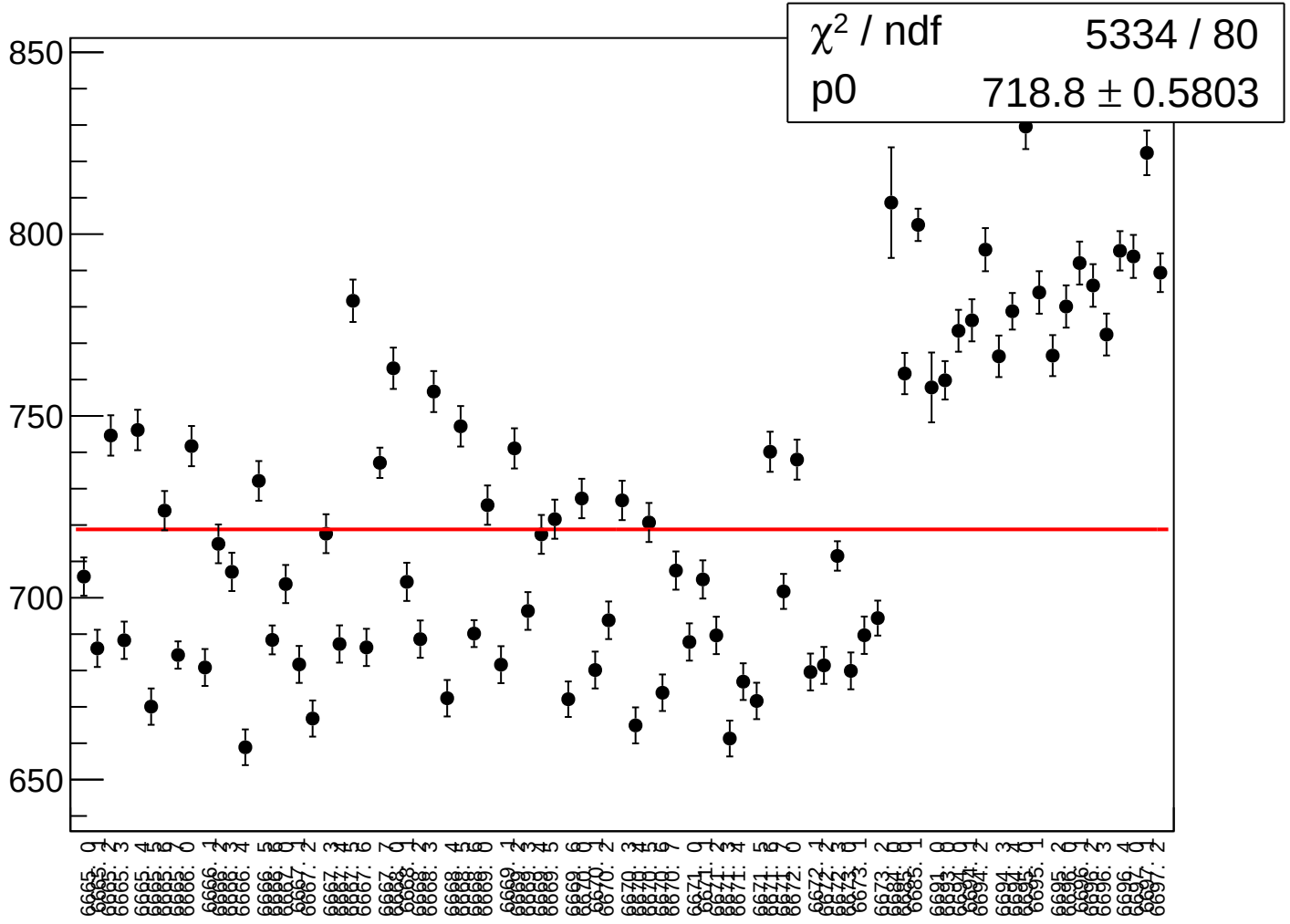

dit_asym_sam_48_dd_mean vs run
χ² / ndf 68.84 / 80
p0 168.4 ± 109.7
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean −36.87
Std Dev 79.59
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01429
Std Dev 0.9218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

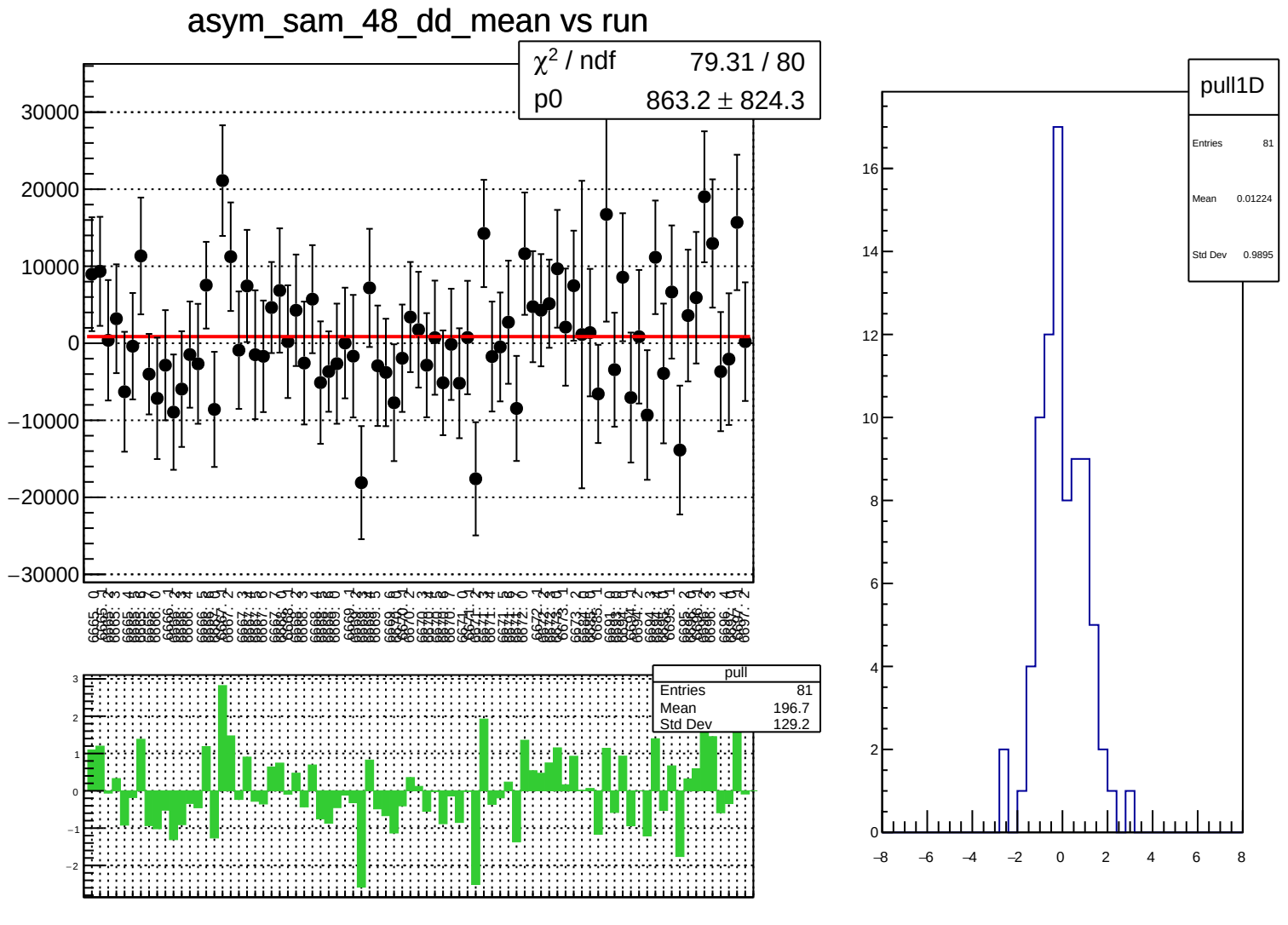
dit_asym_sam_48_dd_rms vs run

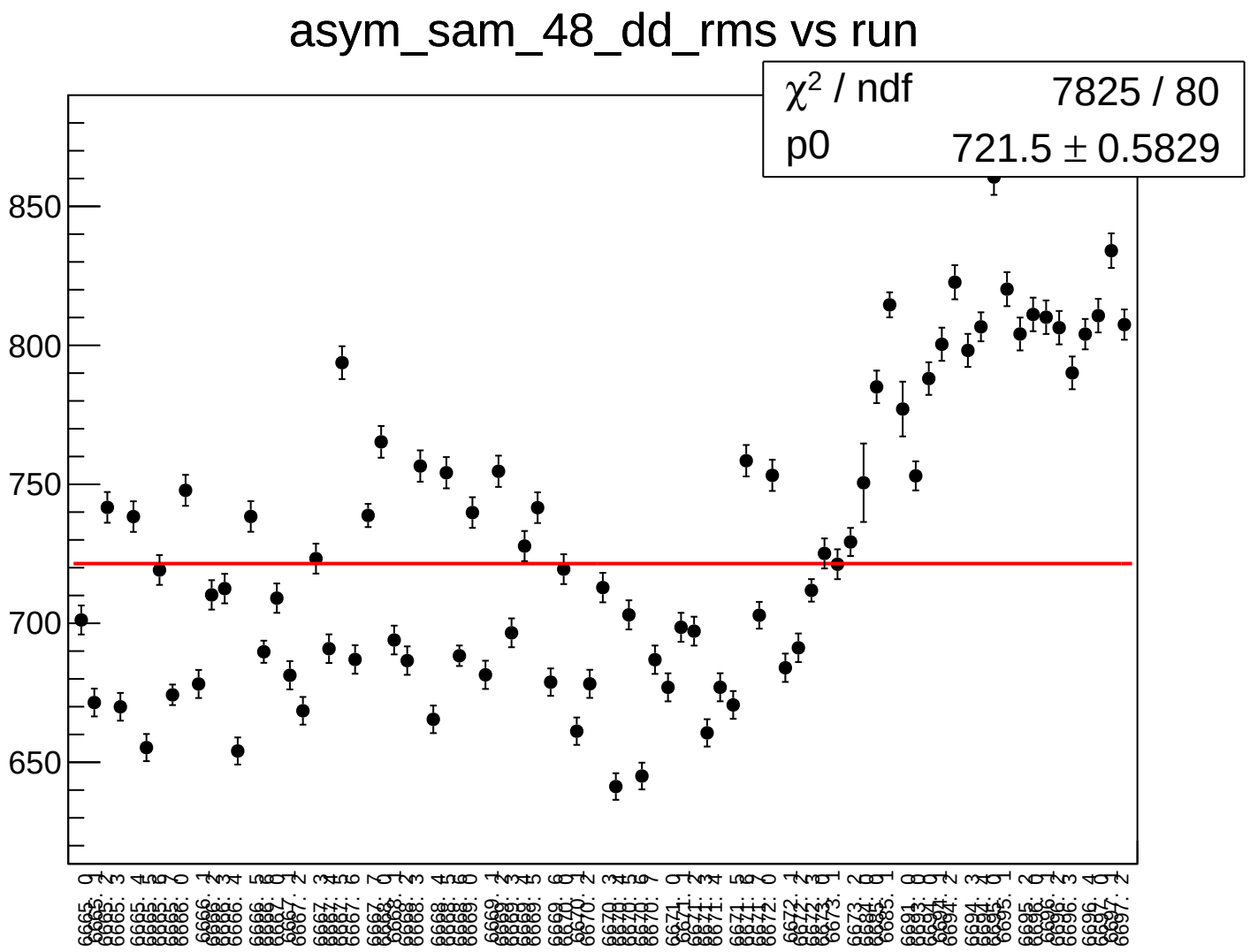


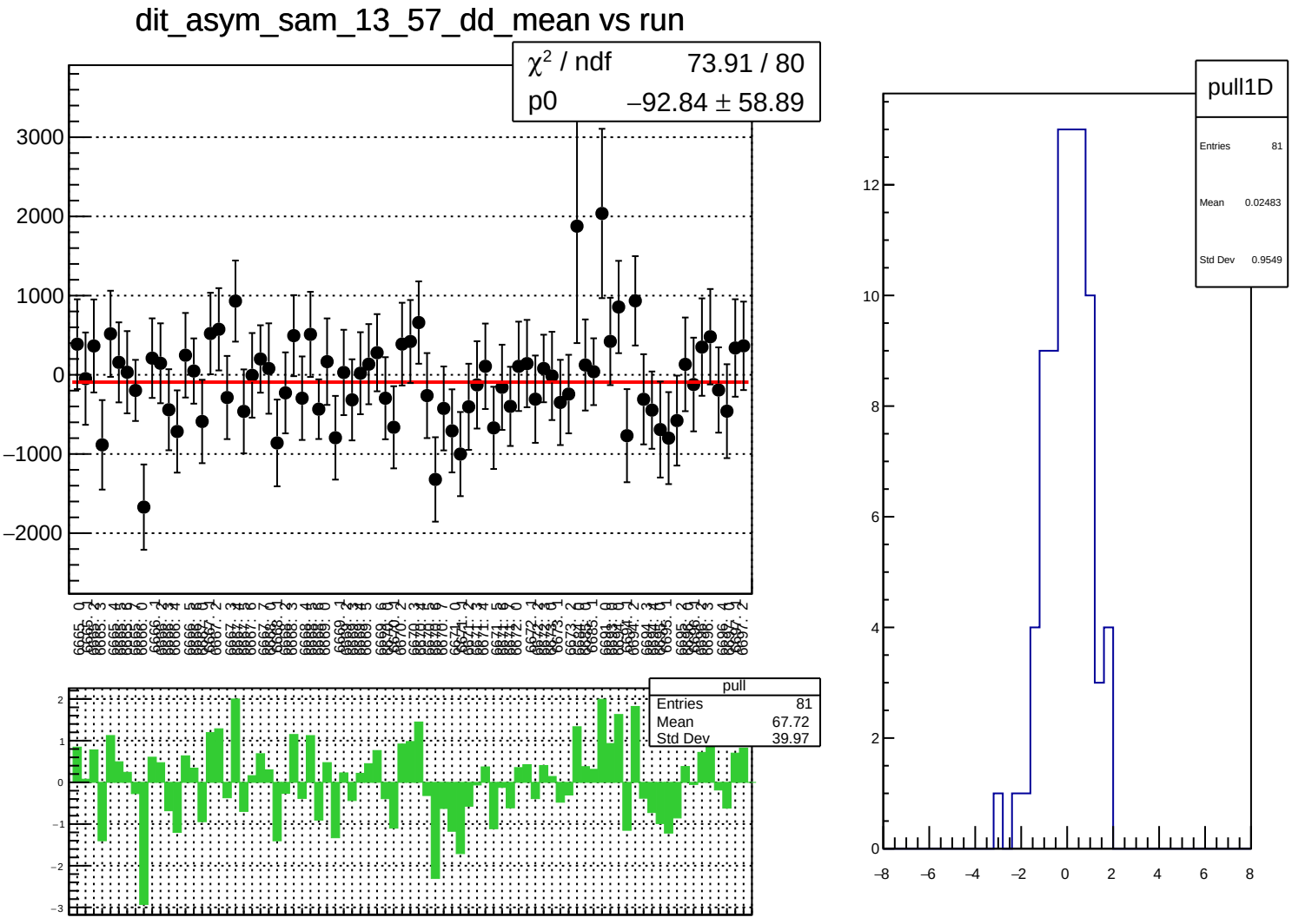

asym_sam_48_dd_correction_mean vs run
χ² / ndf 79.98 / 80
p0 −723.3 ± 820.6
pull
Entries 81
Mean 189.6
Std Dev 121.8
pull1D
Entries 81
Mean −0.01249
Std Dev 0.9936

asym_sam_48_dd_correction_rms vs run

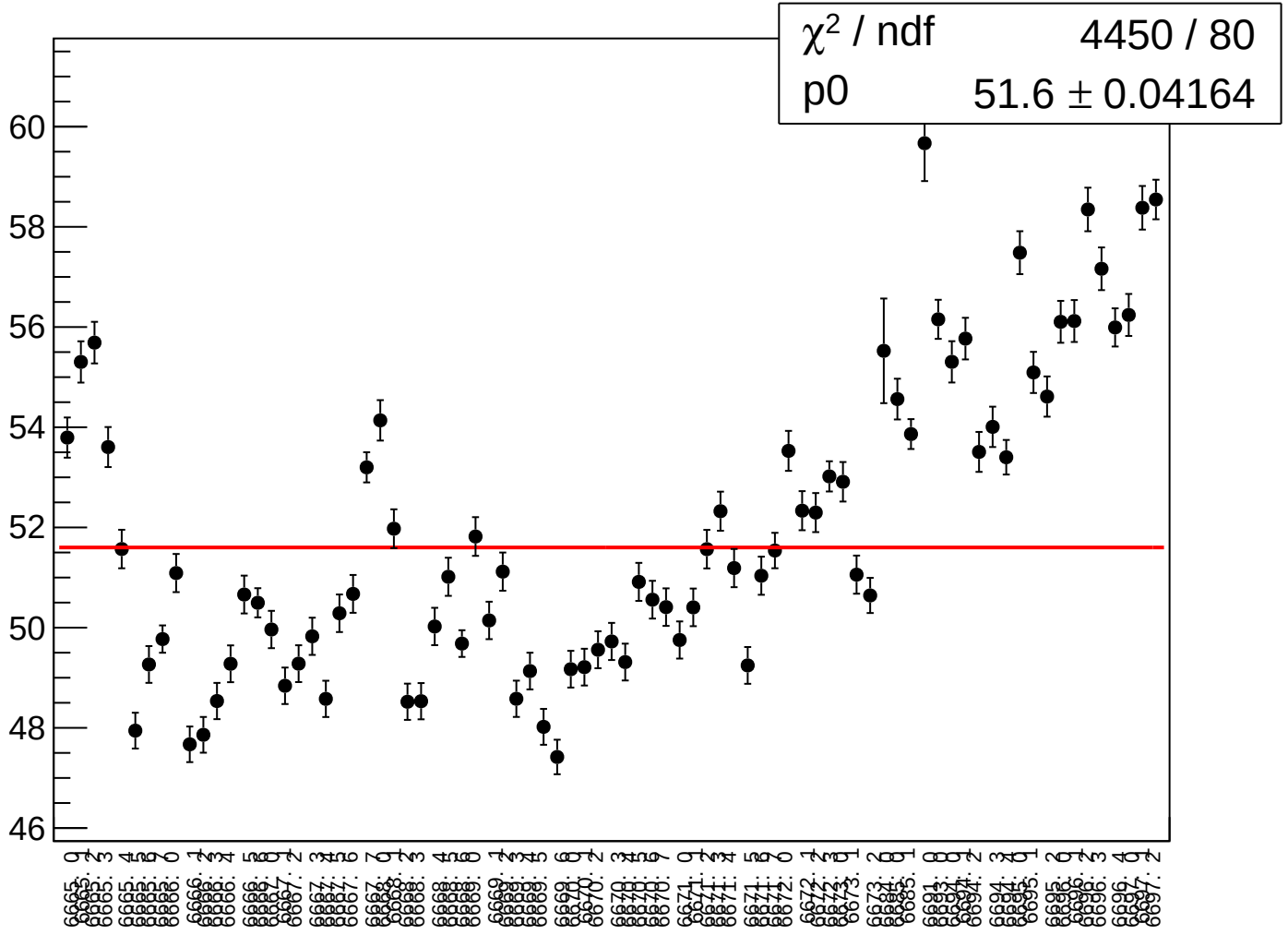


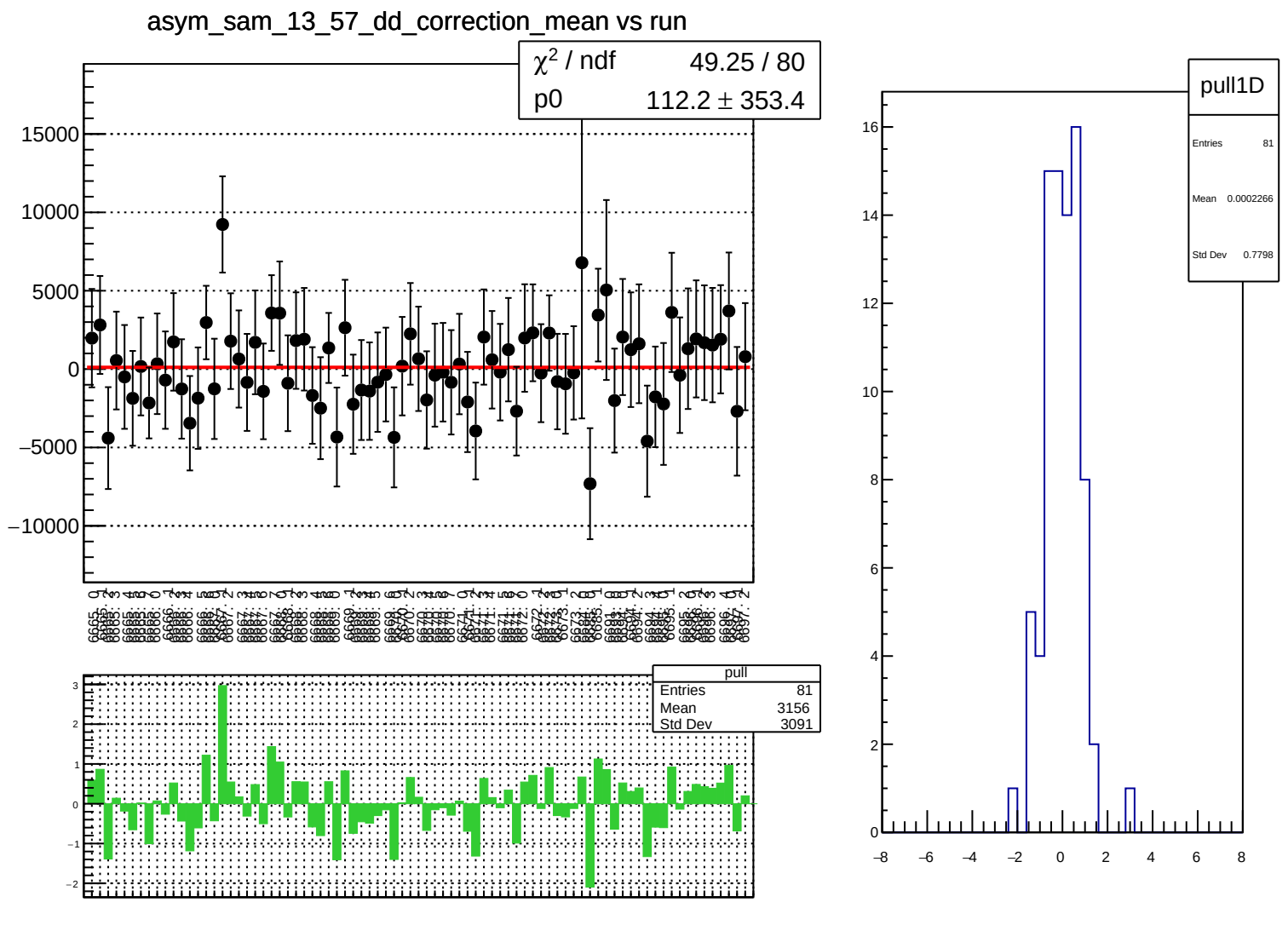

asym_sam_48_dd_mean vs run
χ^2 / ndf 79.31 / 80
p0 863.2 ± 824.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 196.7
Std Dev 129.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01224
Std Dev 0.9895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

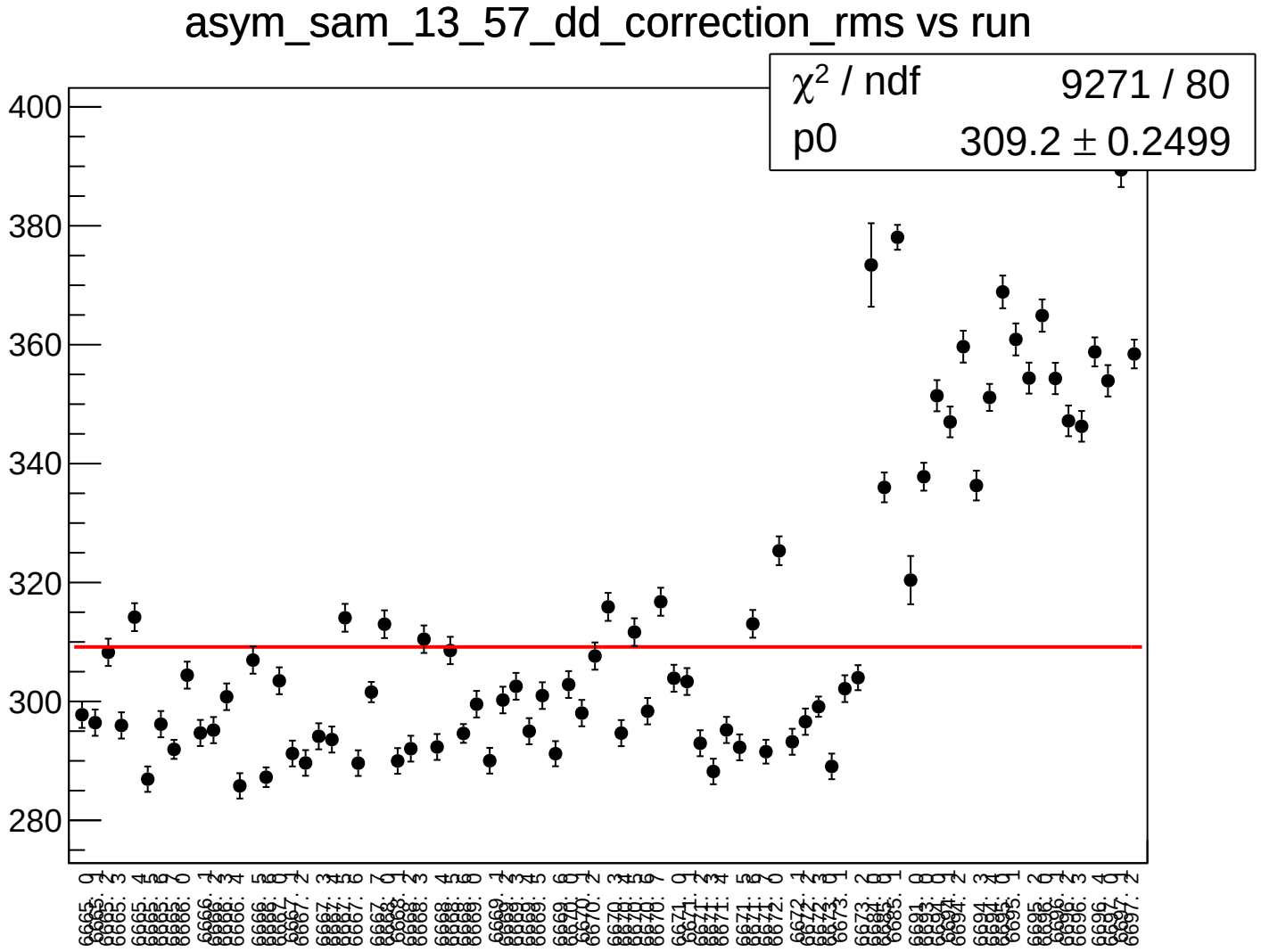

asym_sam_48_dd_rms vs run
χ^2 / ndf 7825 / 80
p0 721.5 ± 0.5829
850
800
750
700
650

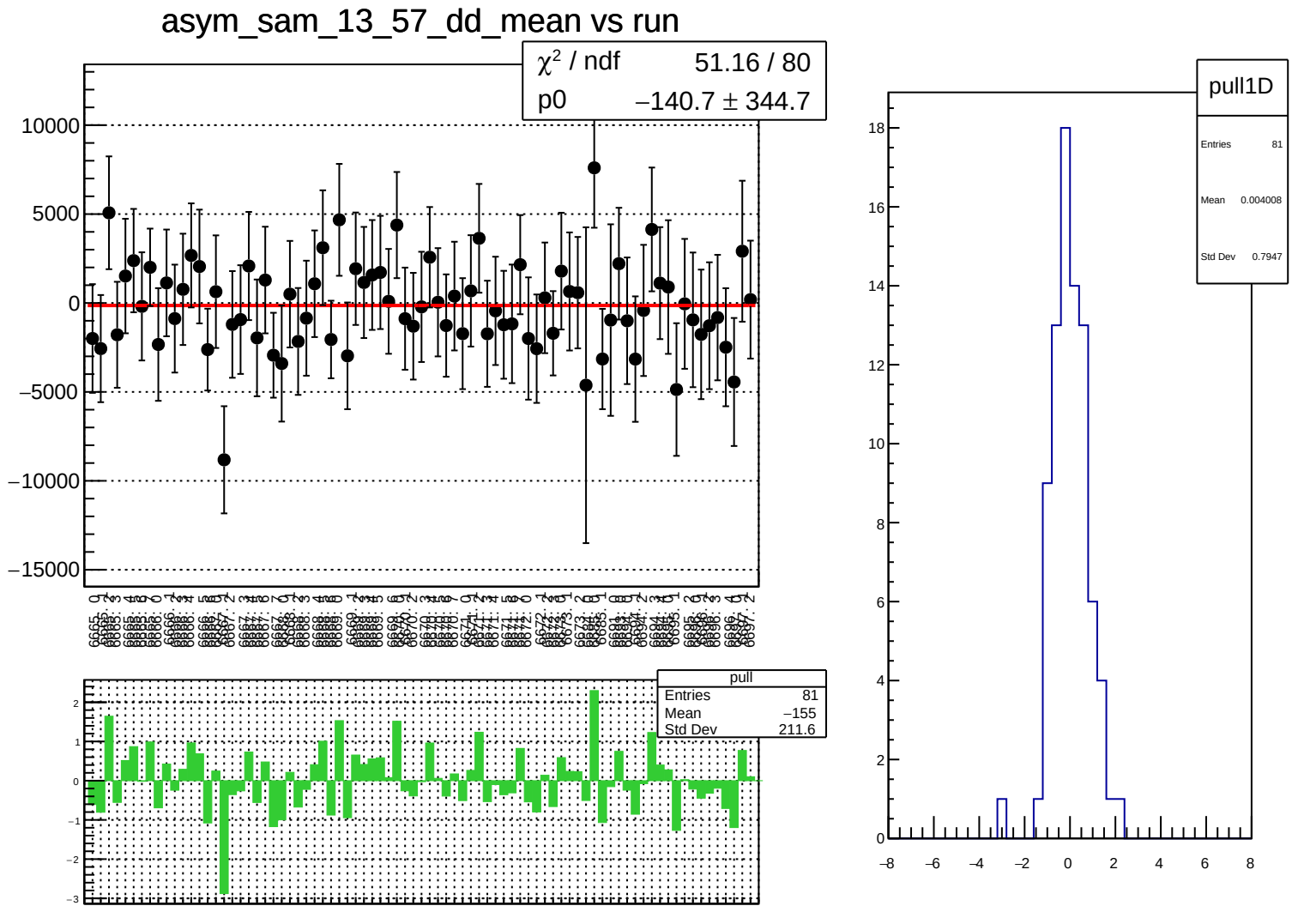

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 73.91 / 80
p0 −92.84 ± 58.89
pull
Entries 81
Mean 67.72
Std Dev 39.97
pull1D
Entries 81
Mean 0.02483
Std Dev 0.9549

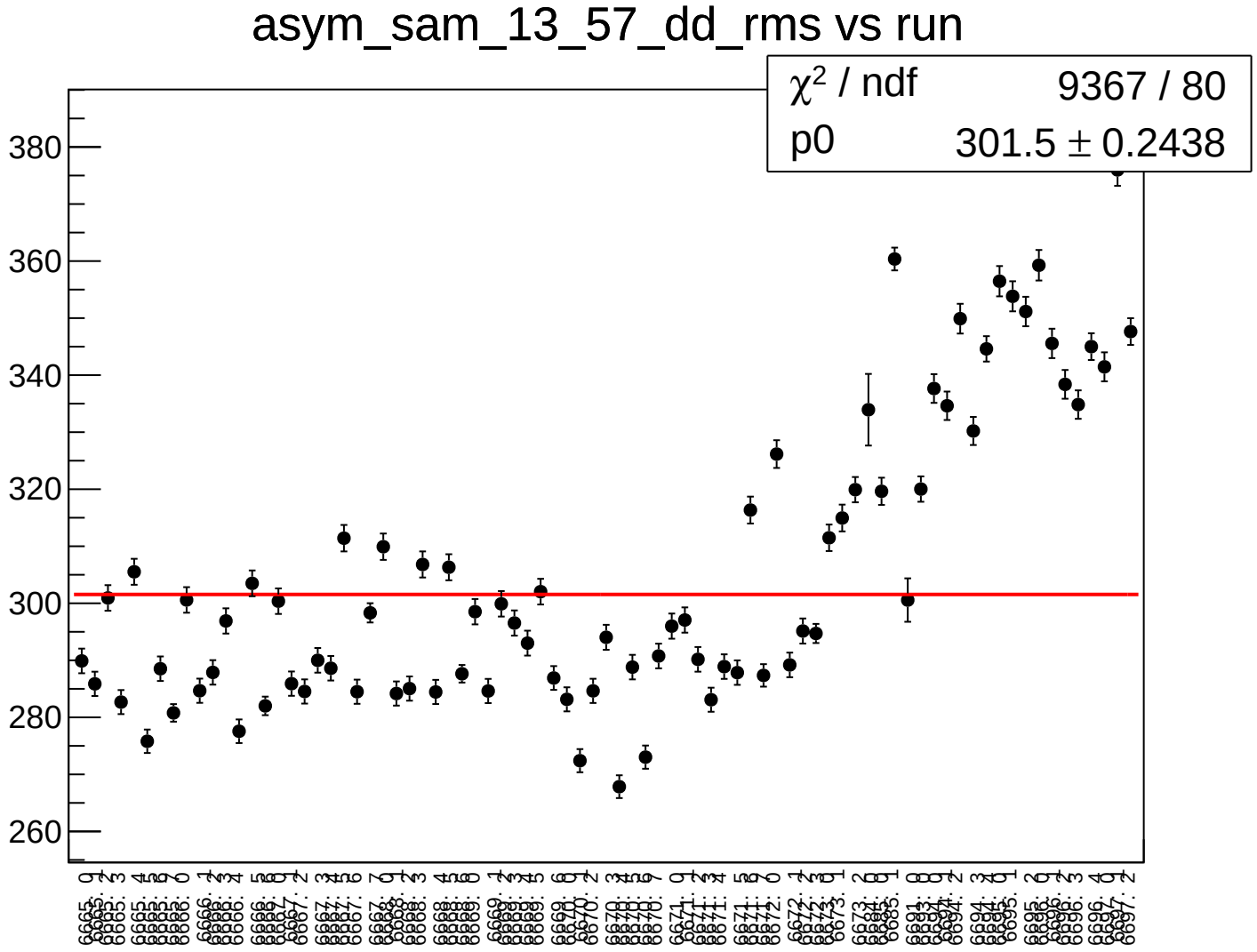
dit_asym_sam_13_57_dd_rms vs run

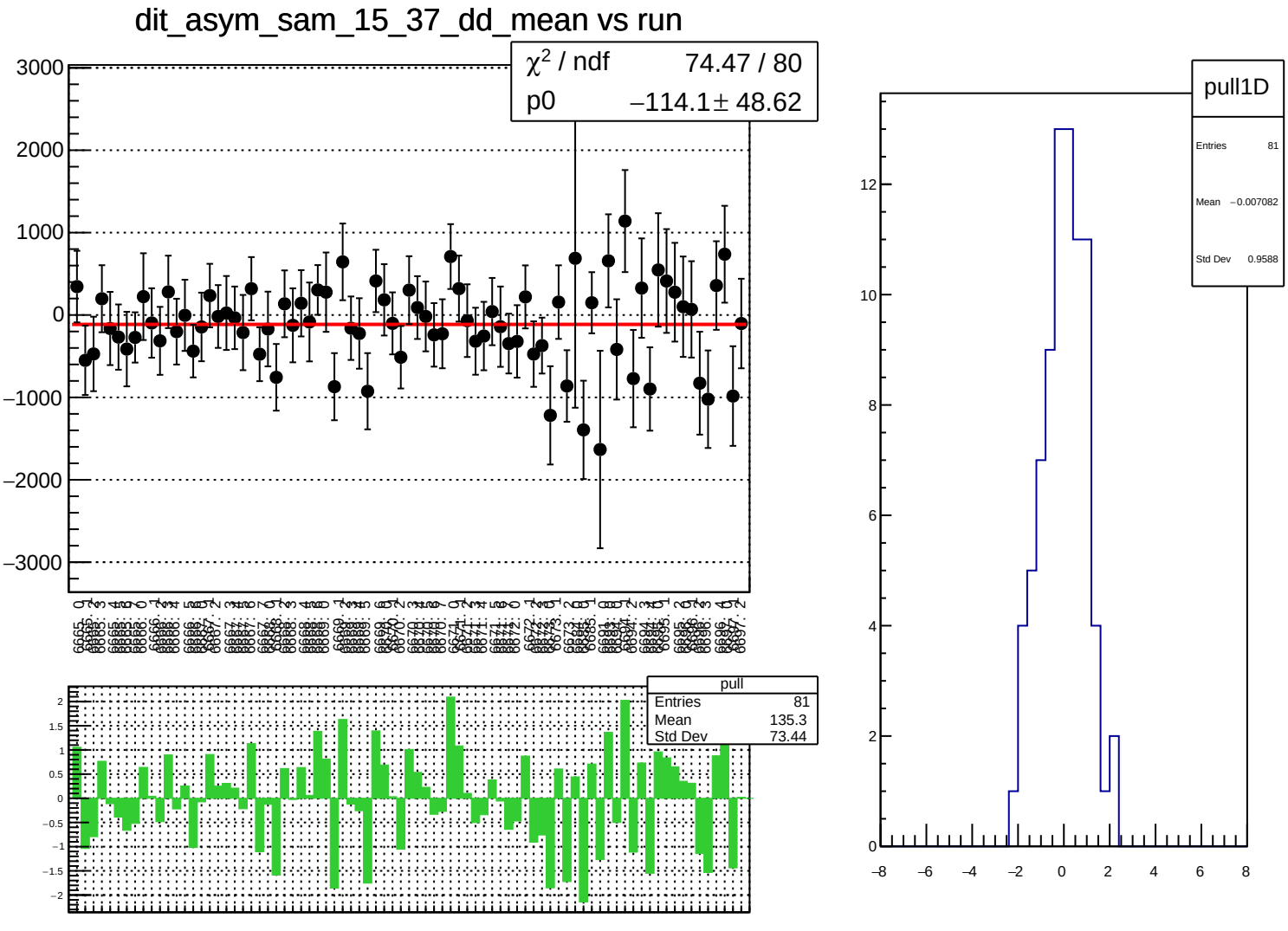


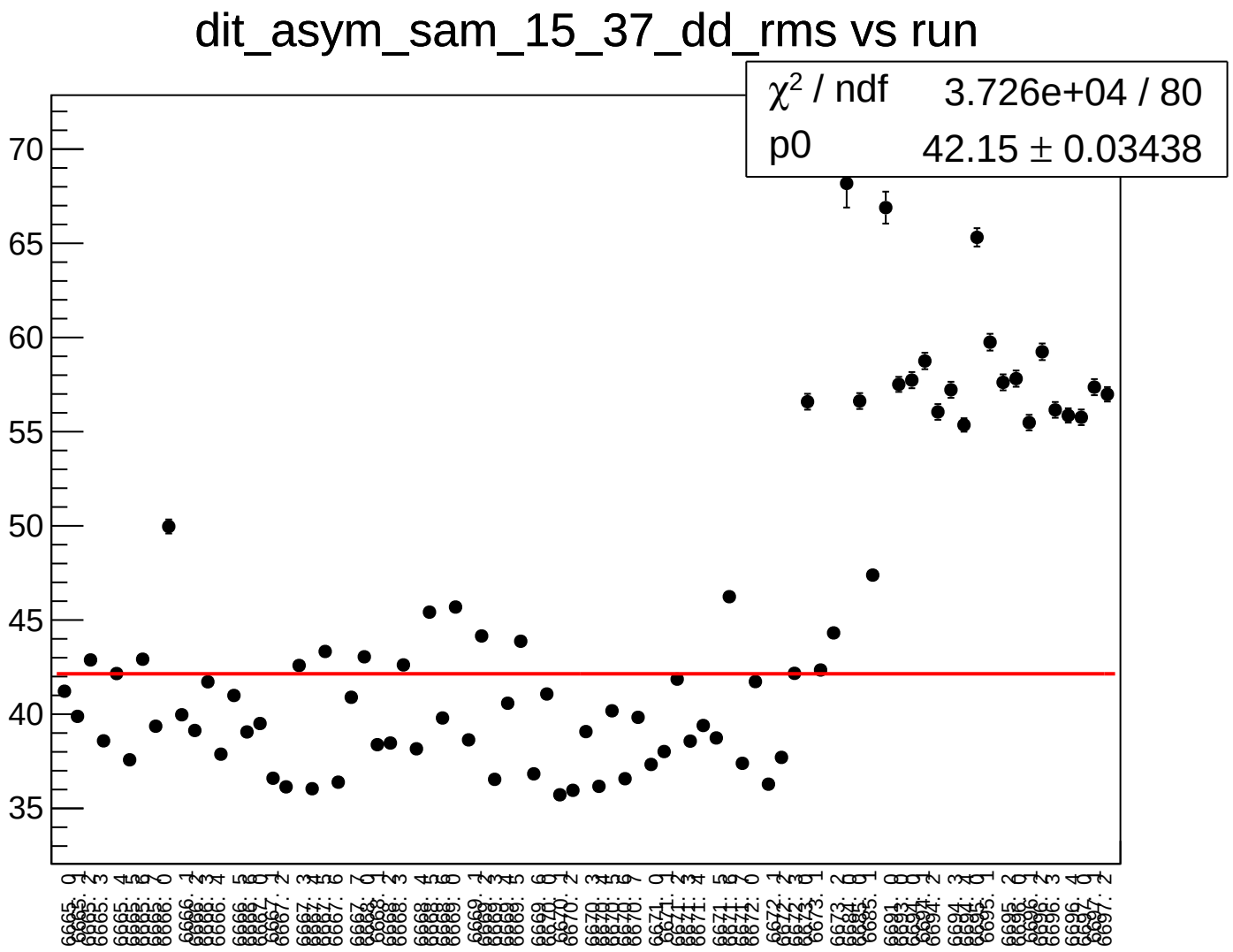

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 49.25 / 80
p0 112.2 ± 353.4
pull
Entries 81
Mean 3156
Std Dev 3091
pull1D
Entries 81
Mean 0.0002266
Std Dev 0.7798

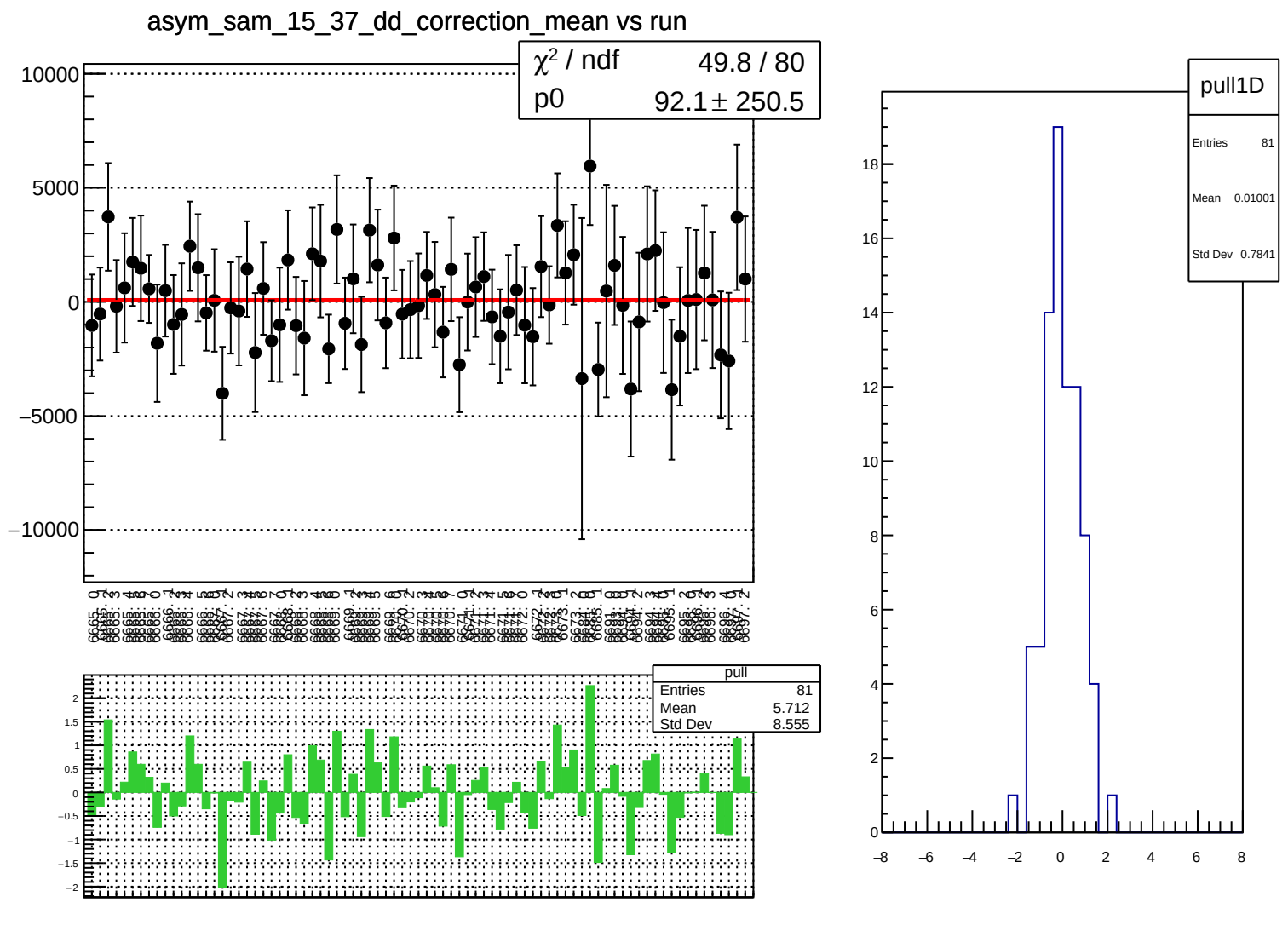

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 9271 / 80
p0 309.2 ± 0.2499
400
380
360
340
320
300
280

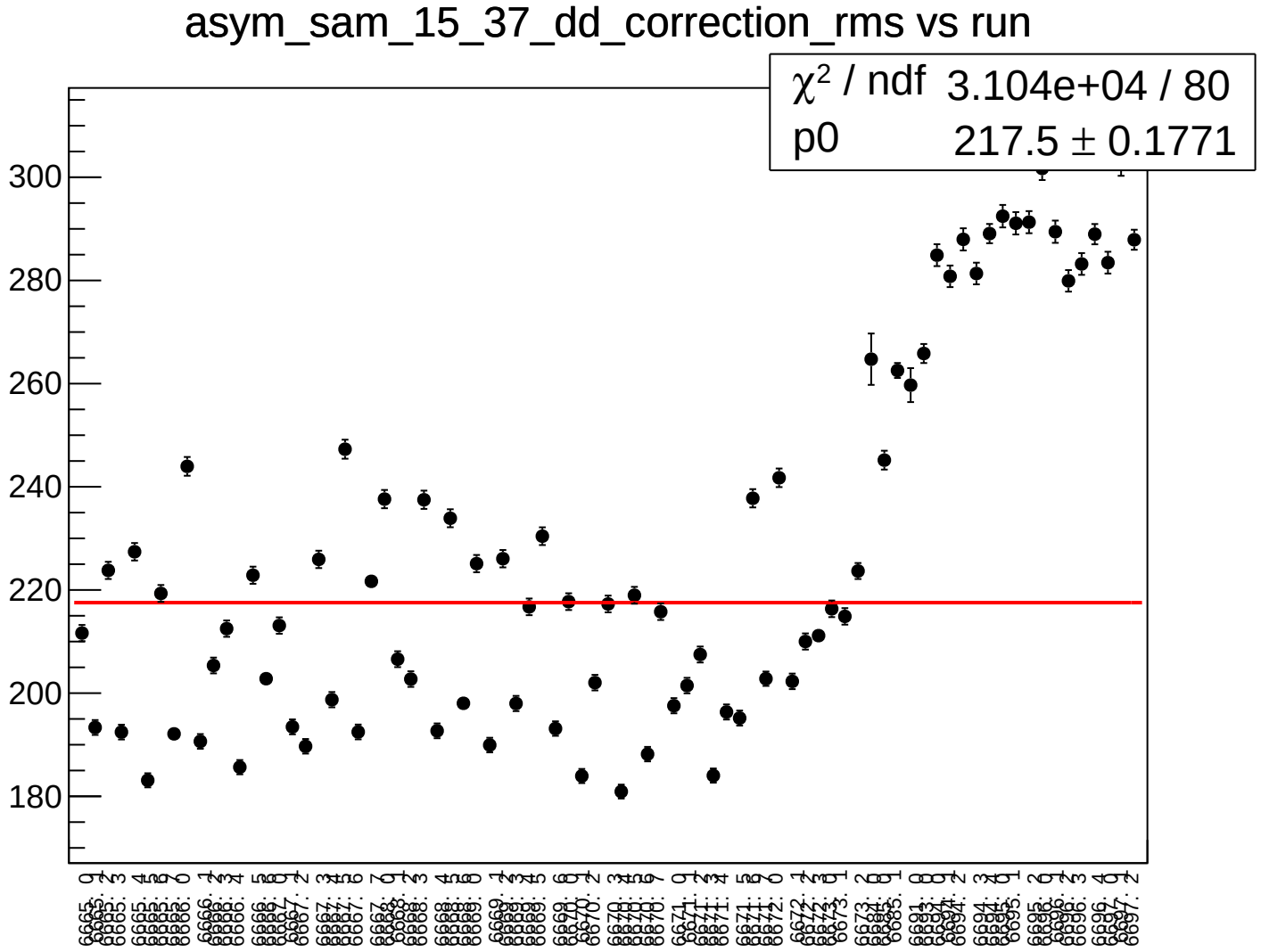

asym_sam_13_57_dd_mean vs run
χ² / ndf 51.16 / 80
p0 −140.7 ± 344.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −155
Std Dev 211.6
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.004008
Std Dev 0.7947
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

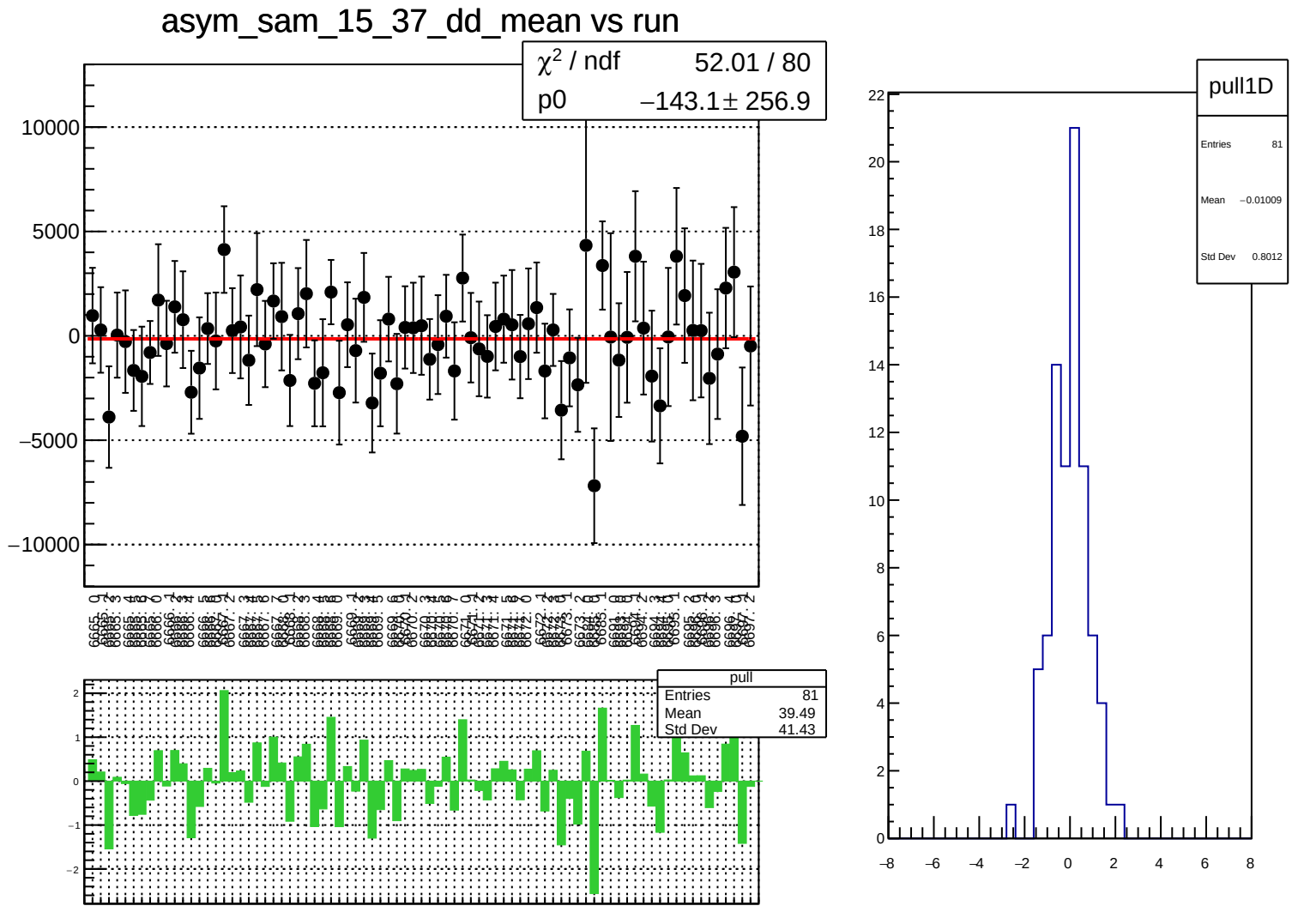

asym_sam_13_57_dd_rms vs run
χ² / ndf 9367 / 80
p0 301.5 ± 0.2438
380
360
340
320
300
280
260


dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 74.47 / 80
p0 −114.1 ± 48.62
pull
Entries 81
Mean 135.3
Std Dev 73.44
pull1D
Entries 81
Mean −0.007082
Std Dev 0.9588

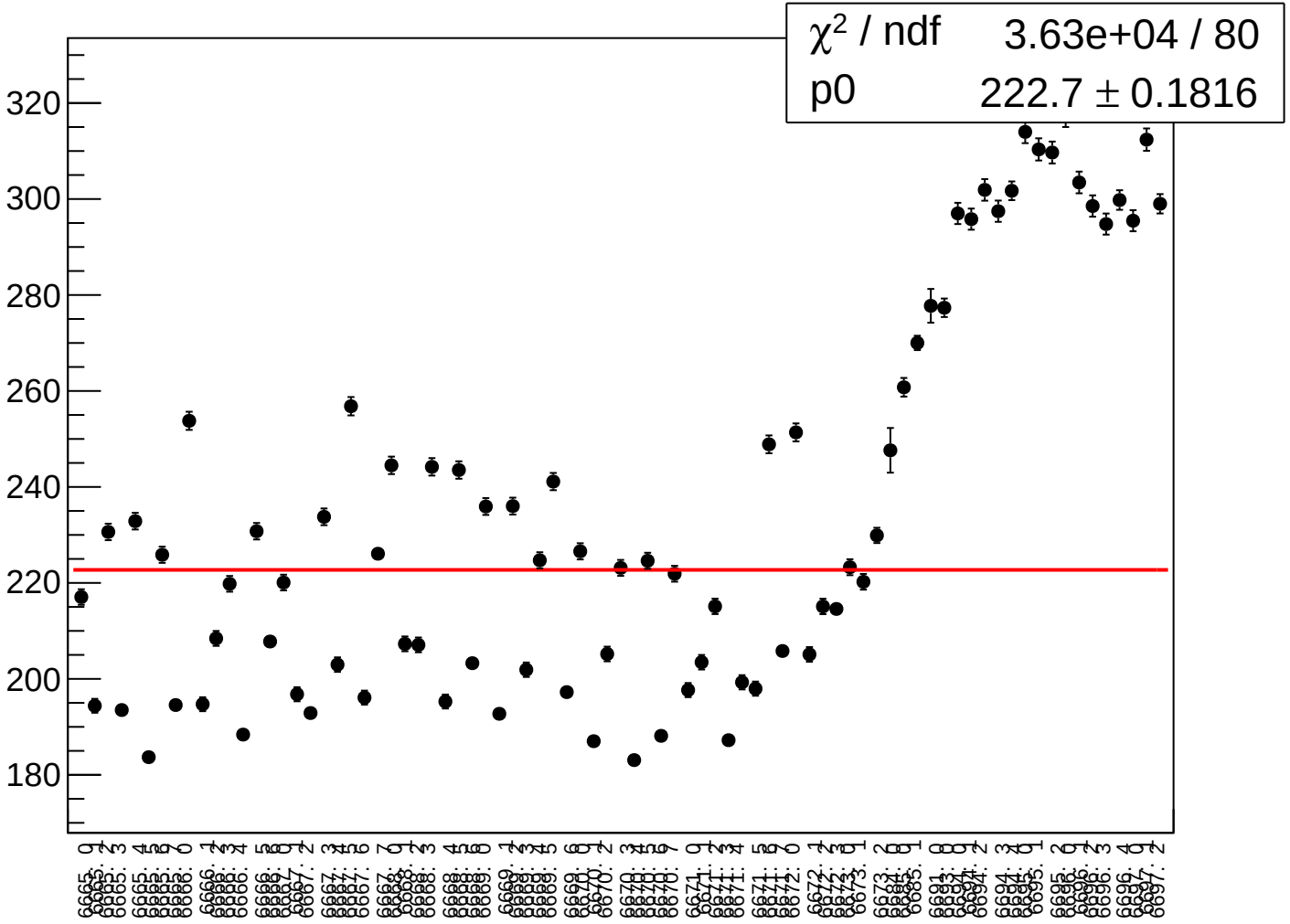

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3.726e+04 / 80
p0 42.15 ± 0.03438
70
65
60
55
50
45
40
35

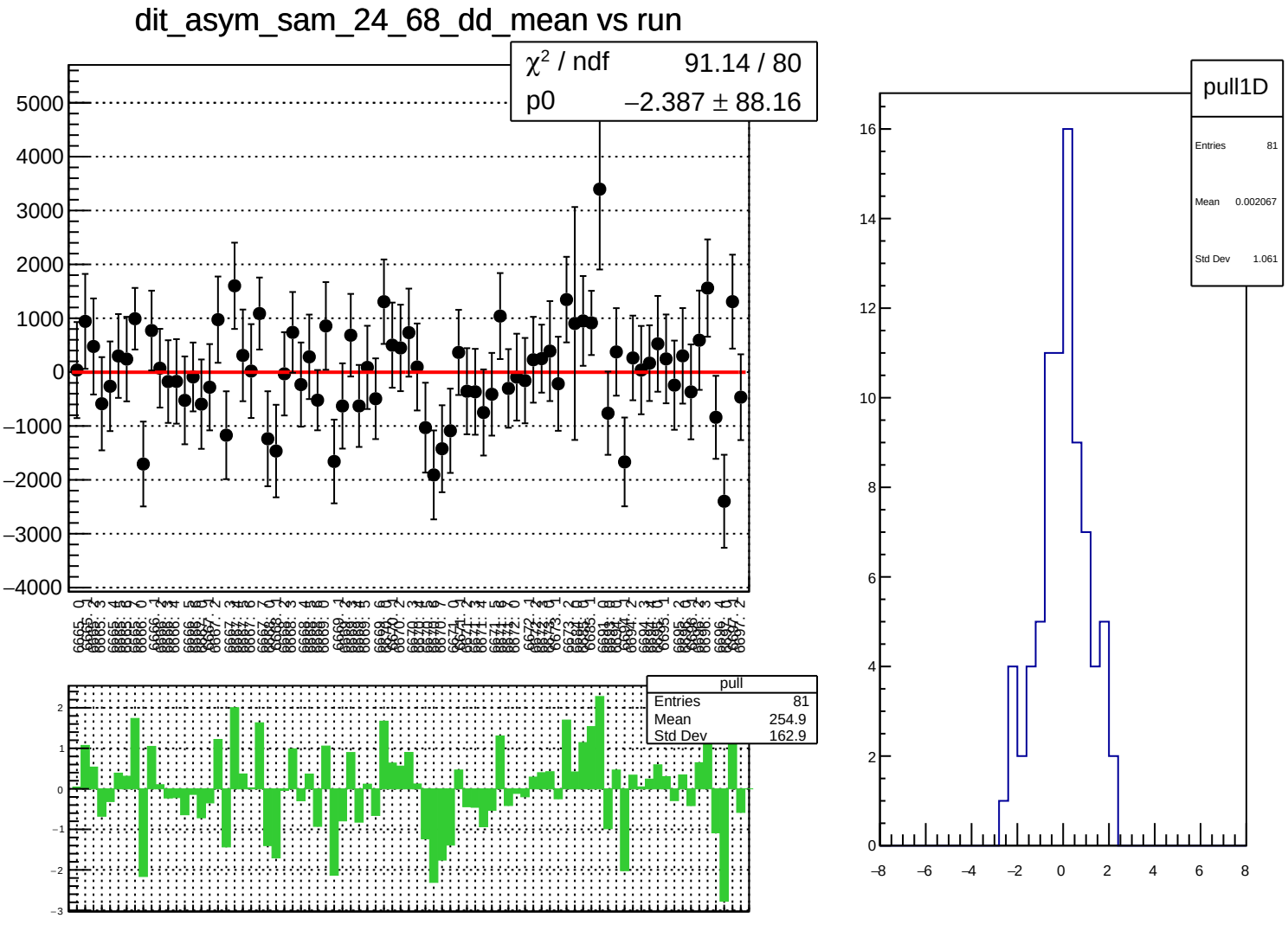

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 49.8 / 80
p0 92.1 ± 250.5
pull
Entries 81
Mean 5.712
Std Dev 8.555
pull1D
Entries 81
Mean 0.01001
Std Dev 0.7841


asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3.104e+04 / 80
p0 217.5 ± 0.1771
300
280
260
240
220
200
180

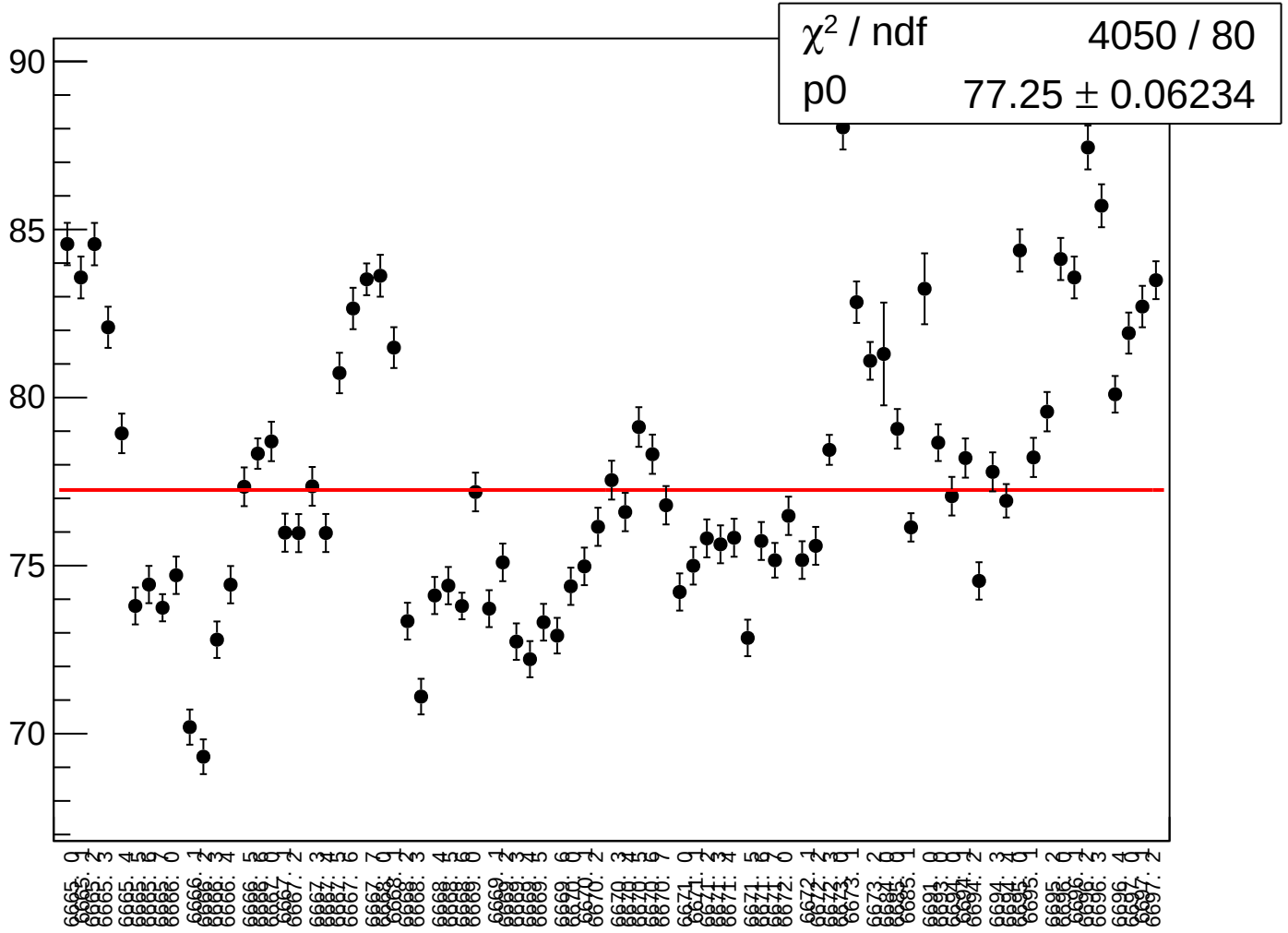

asym_sam_15_37_dd_mean vs run
χ2 / ndf 52.01 / 80
p0 −143.1± 256.9
pull
Entries 81
Mean 39.49
Std Dev 41.43
pull1D
Entries 81
Mean −0.01009
Std Dev 0.8012

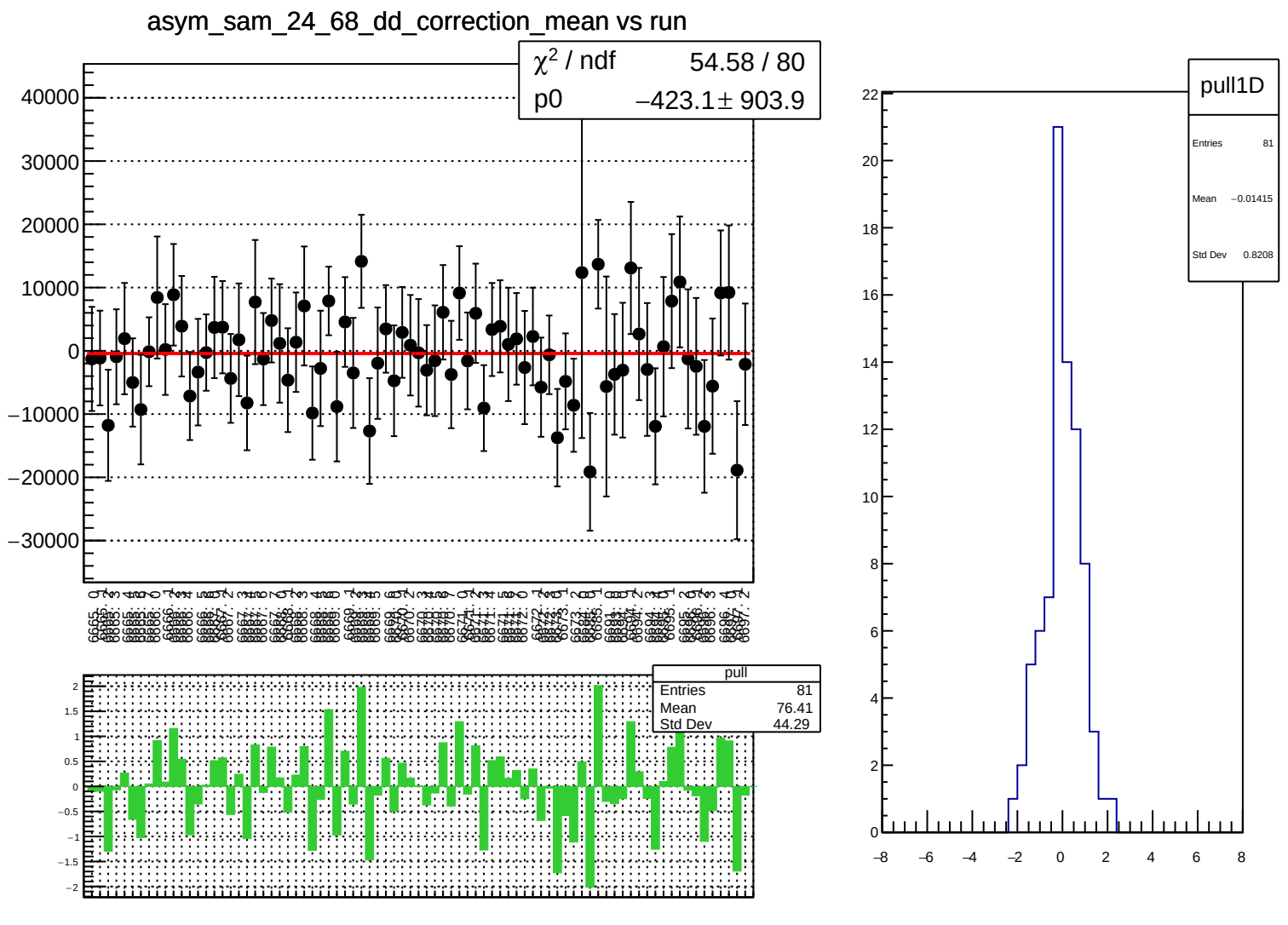
asym_sam_15_37_dd_rms vs run

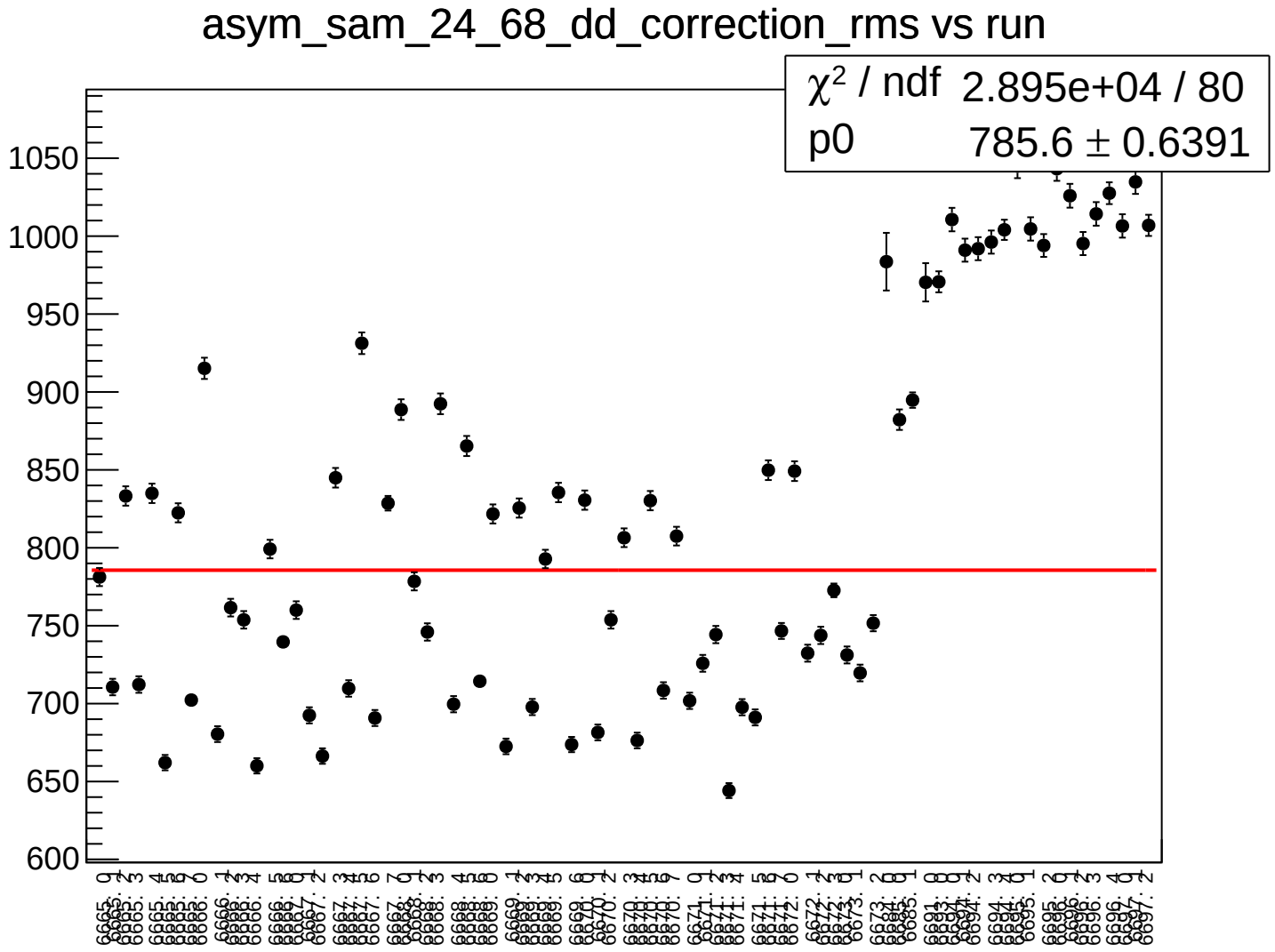


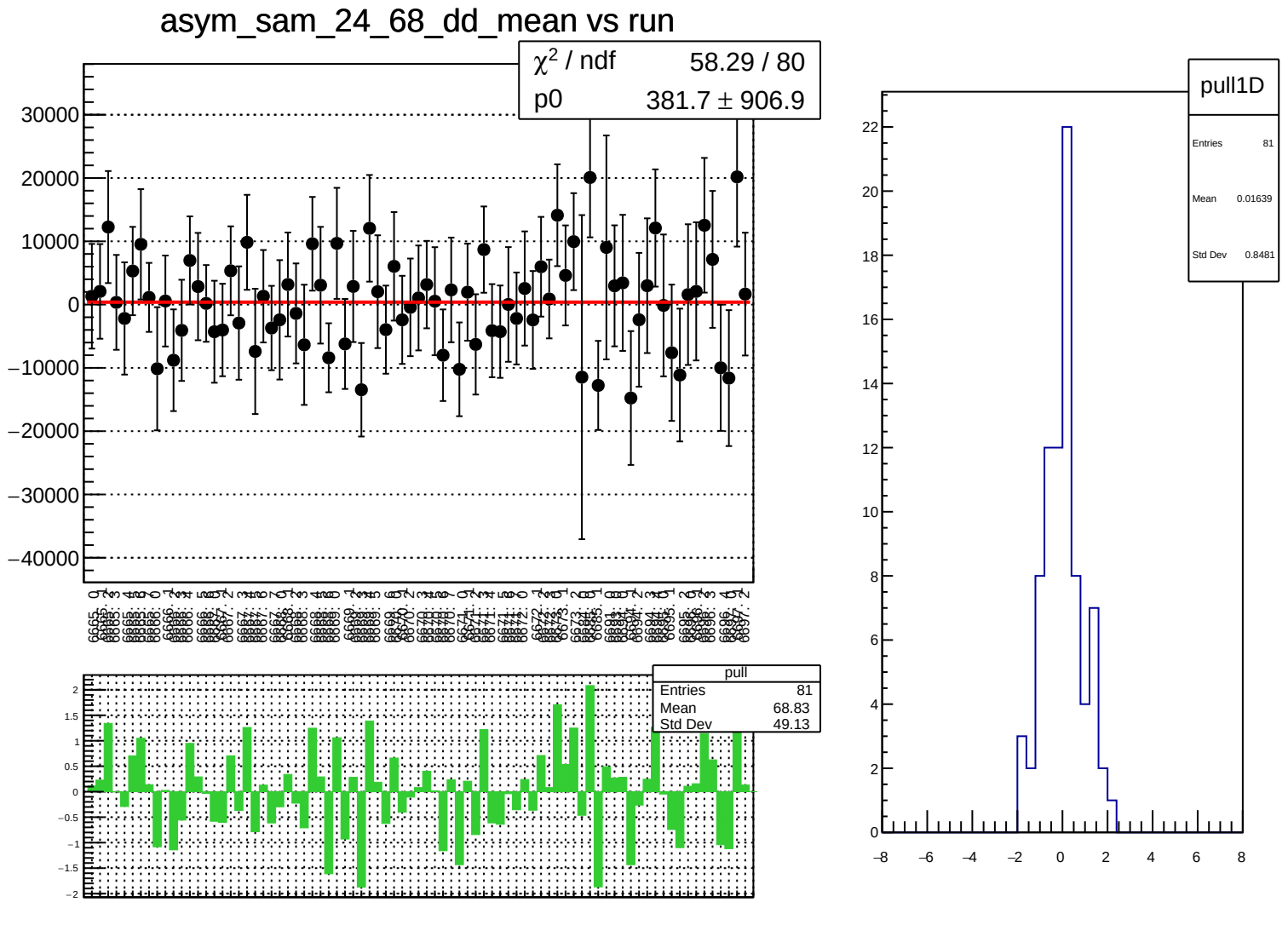

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 91.14 / 80
p0 −2.387 ± 88.16
pull
Entries 81
Mean 254.9
Std Dev 162.9
pull1D
Entries 81
Mean 0.002067
Std Dev 1.061

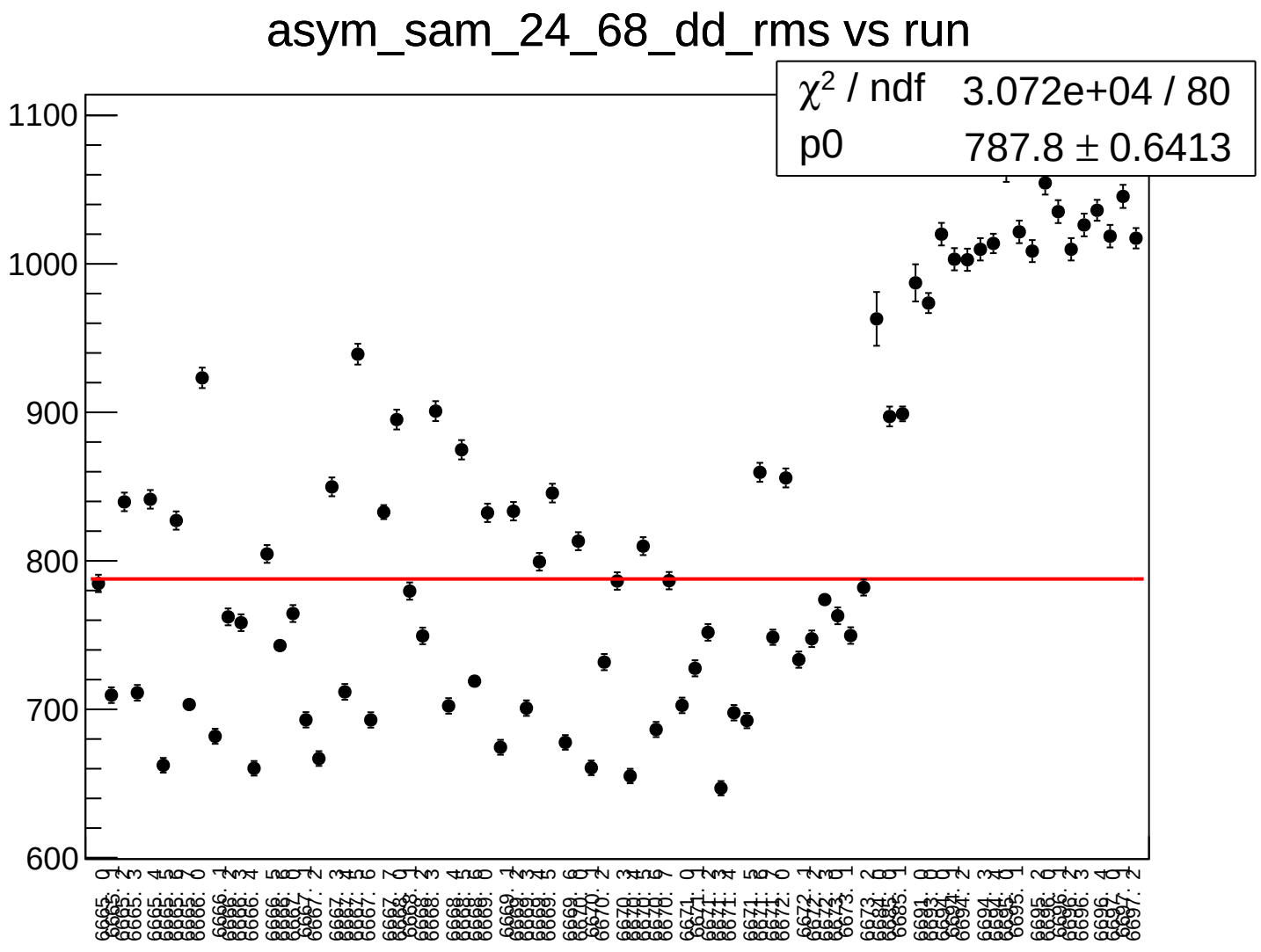
dit_asym_sam_24_68_dd_rms vs run

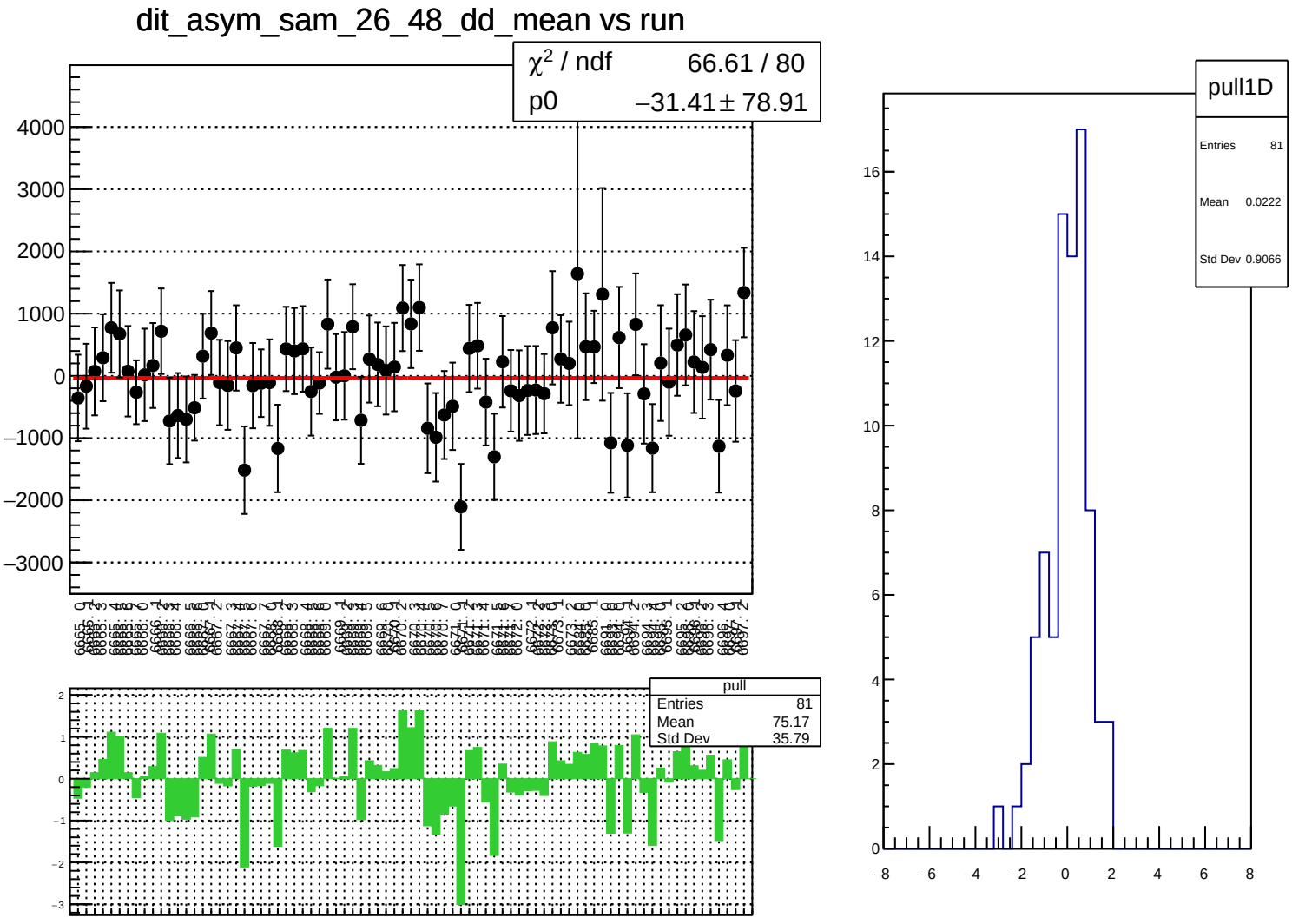


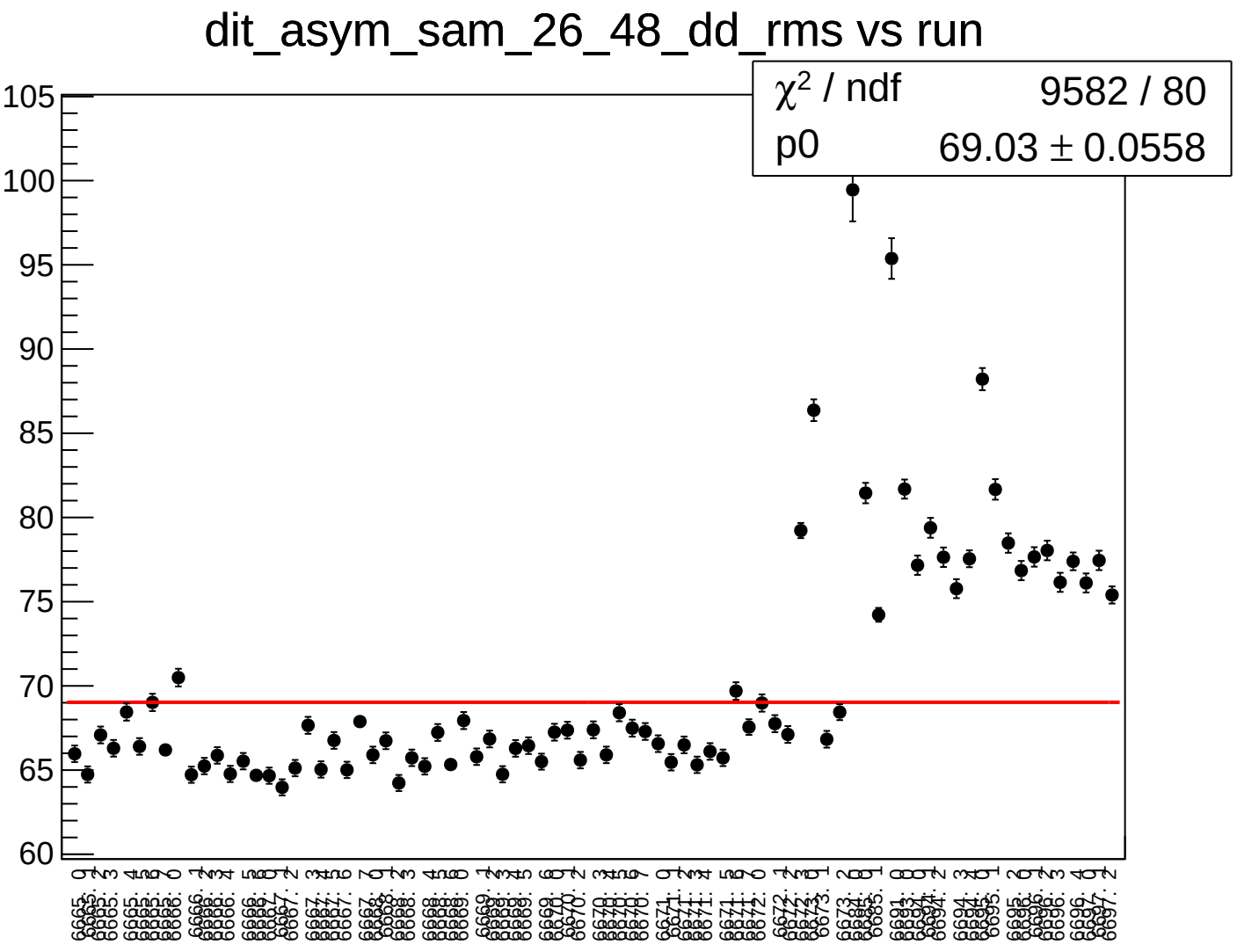

asym_sam_24_68_dd_correction_mean vs run
χ^2 / ndf 54.58 / 80
p0 −423.1 ± 903.9
pull
Entries 81
Mean 76.41
Std Dev 44.29
pull1D
Entries 81
Mean −0.01415
Std Dev 0.8208

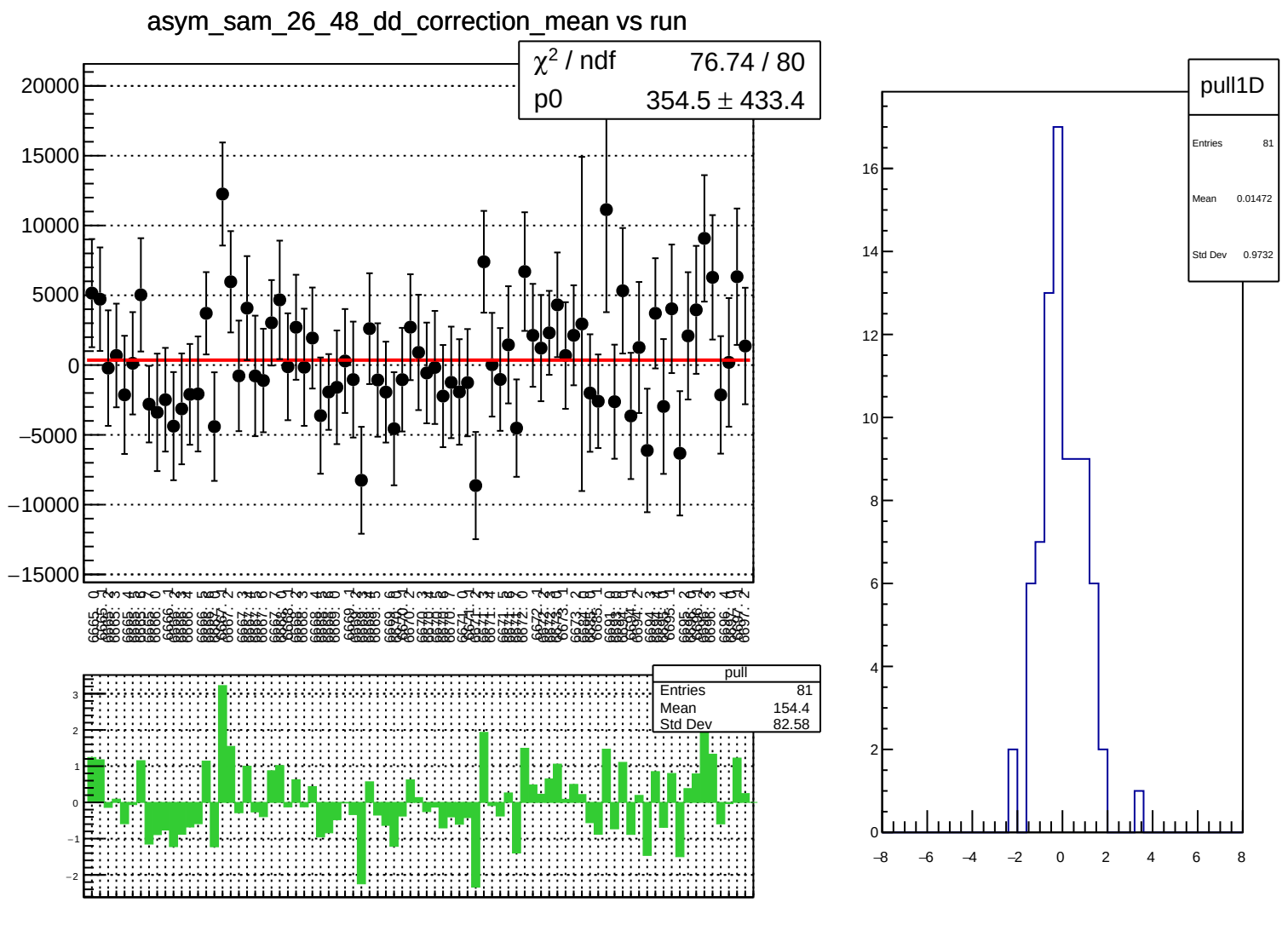

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2.895e+04 / 80
p0 785.6 ± 0.6391
1050
1000
950
900
850
800
750
700
650
600

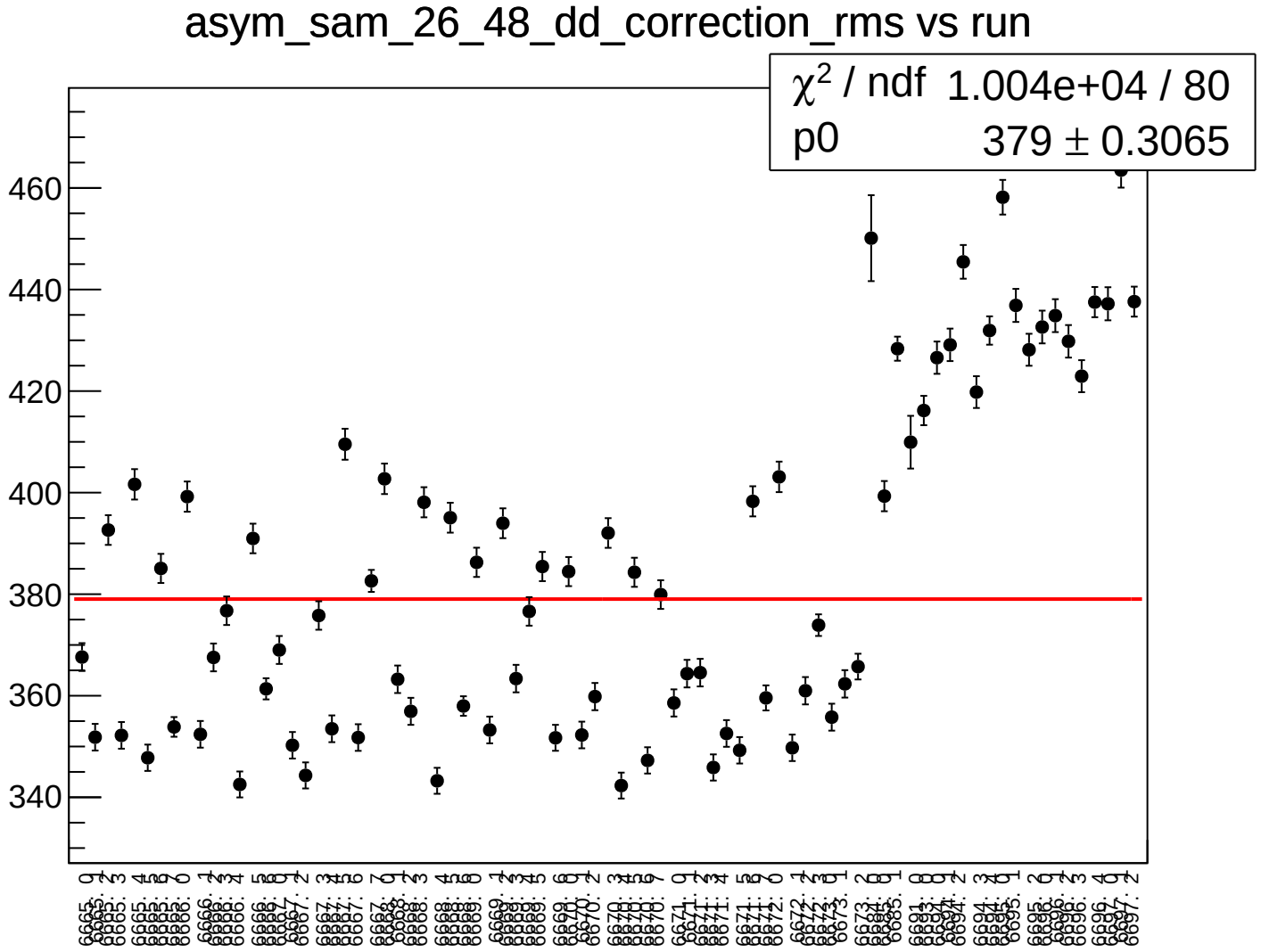

asym_sam_24_68_dd_mean vs run
χ² / ndf 58.29 / 80
p0 381.7 ± 906.9
pull
Entries 81
Mean 68.83
Std Dev 49.13
pull1D
Entries 81
Mean 0.01639
Std Dev 0.8481

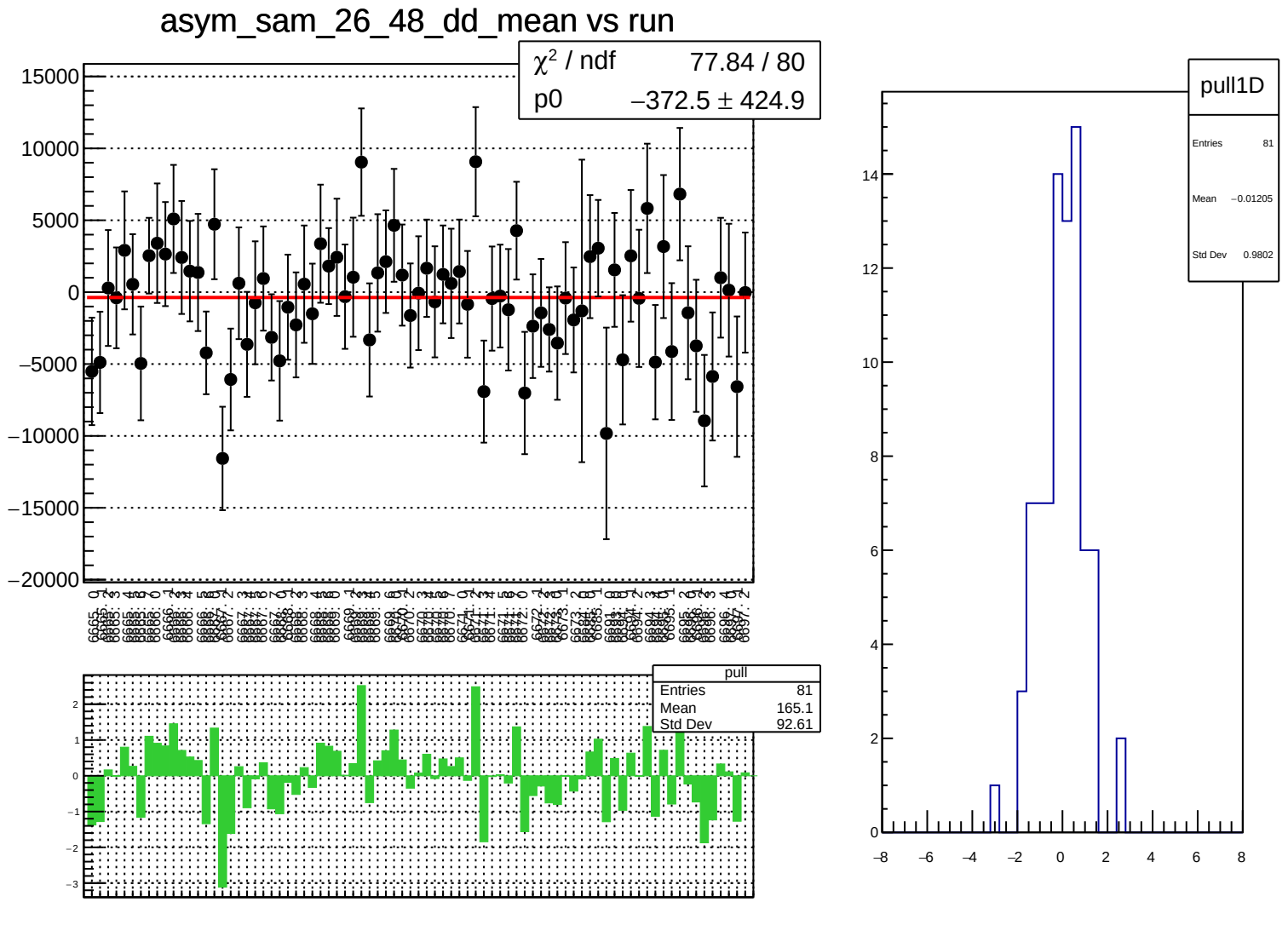

asym_sam_24_68_dd_rms vs run
χ² / ndf 3.072e+04 / 80
p0 787.8 ± 0.6413
1100
1000
900
800
700
600


dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 66.61 / 80
p0 −31.41 ± 78.91
pull
Entries 81
Mean 75.17
Std Dev 35.79
pull1D
Entries 81
Mean 0.0222
Std Dev 0.9066

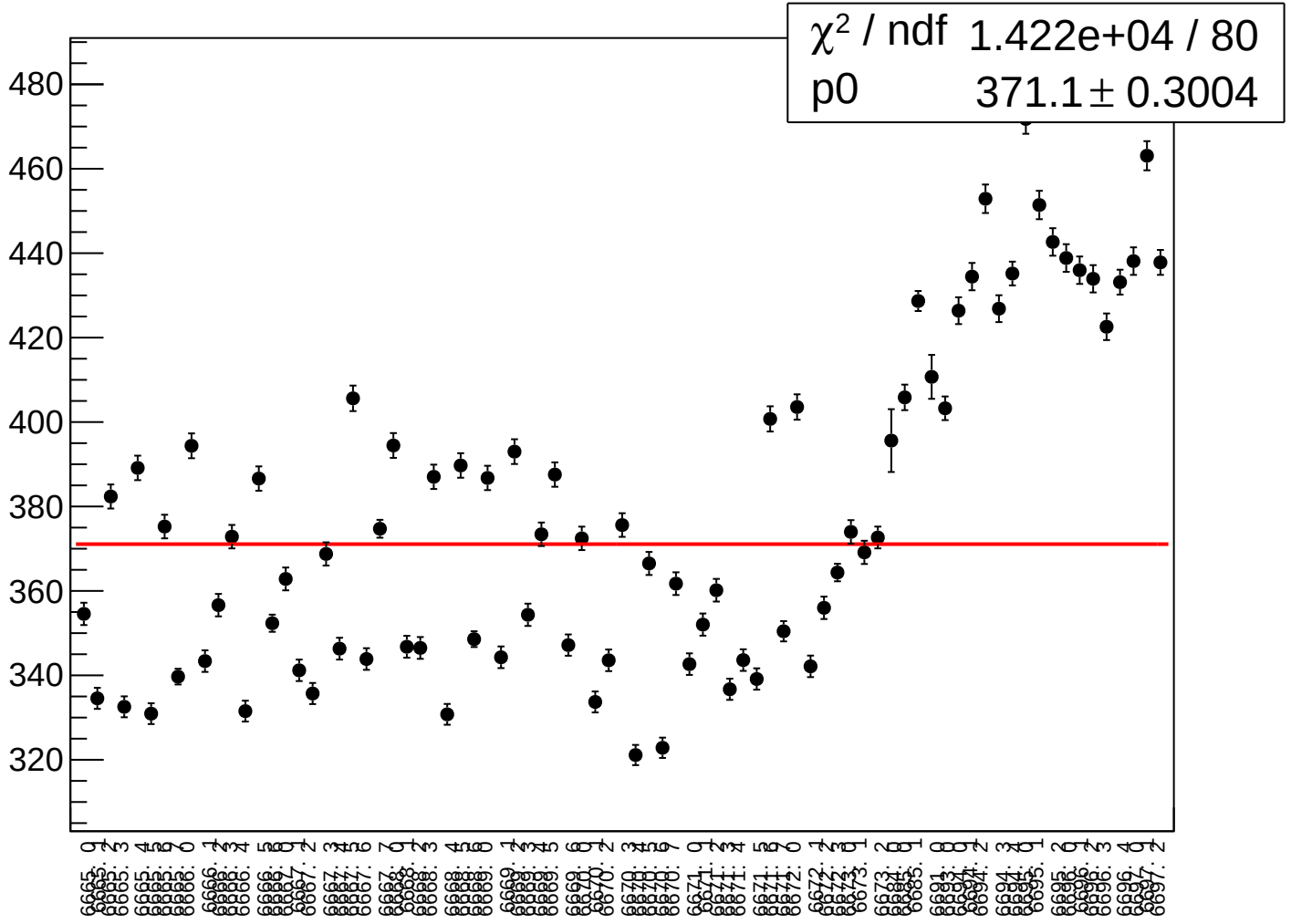

dit_asym_sam_26_48_dd_rms vs run
χ2 / ndf 9582 / 80
p0 69.03 ± 0.0558
105
100
95
90
85
80
75
70
65
60

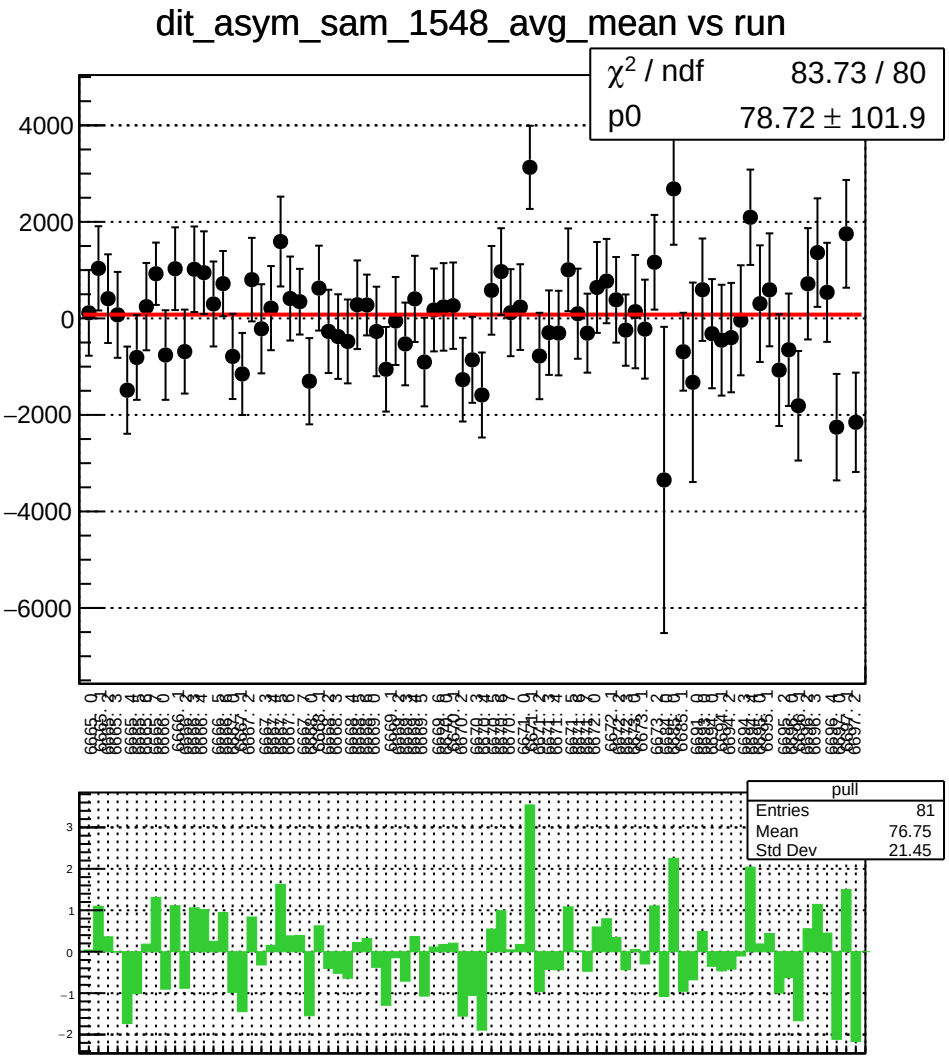

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 76.74 / 80
p0 354.5 ± 433.4
pull
Entries 81
Mean 154.4
Std Dev 82.58
pull1D
Entries 81
Mean 0.01472
Std Dev 0.9732

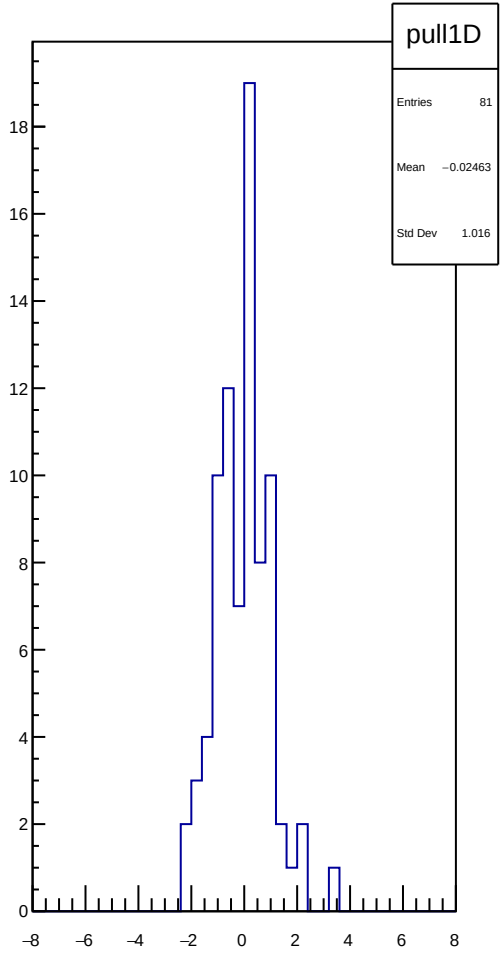

asym_sam_26_48_dd_correction_rms vs run
χ2 / ndf 1.004e+04 / 80
p0 379 ± 0.3065
460
440
420
400
380
360
340


asym_sam_26_48_dd_mean vs run
χ² / ndf 77.84 / 80
p0 −372.5 ± 424.9
pull
Entries 81
Mean 165.1
Std Dev 92.61
pull1D
Entries 81
Mean −0.01205
Std Dev 0.9802

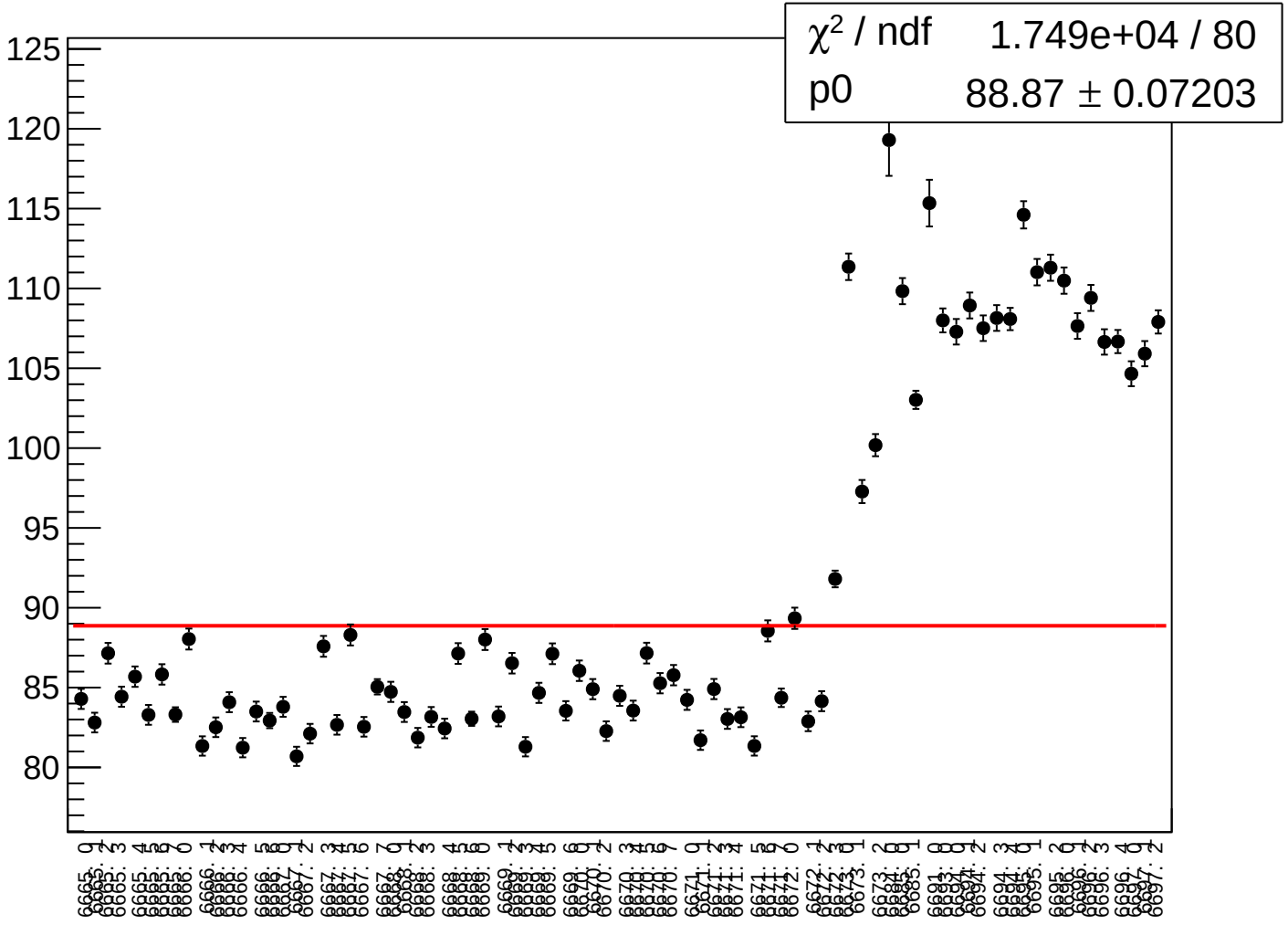
asym_sam_26_48_dd_rms vs run

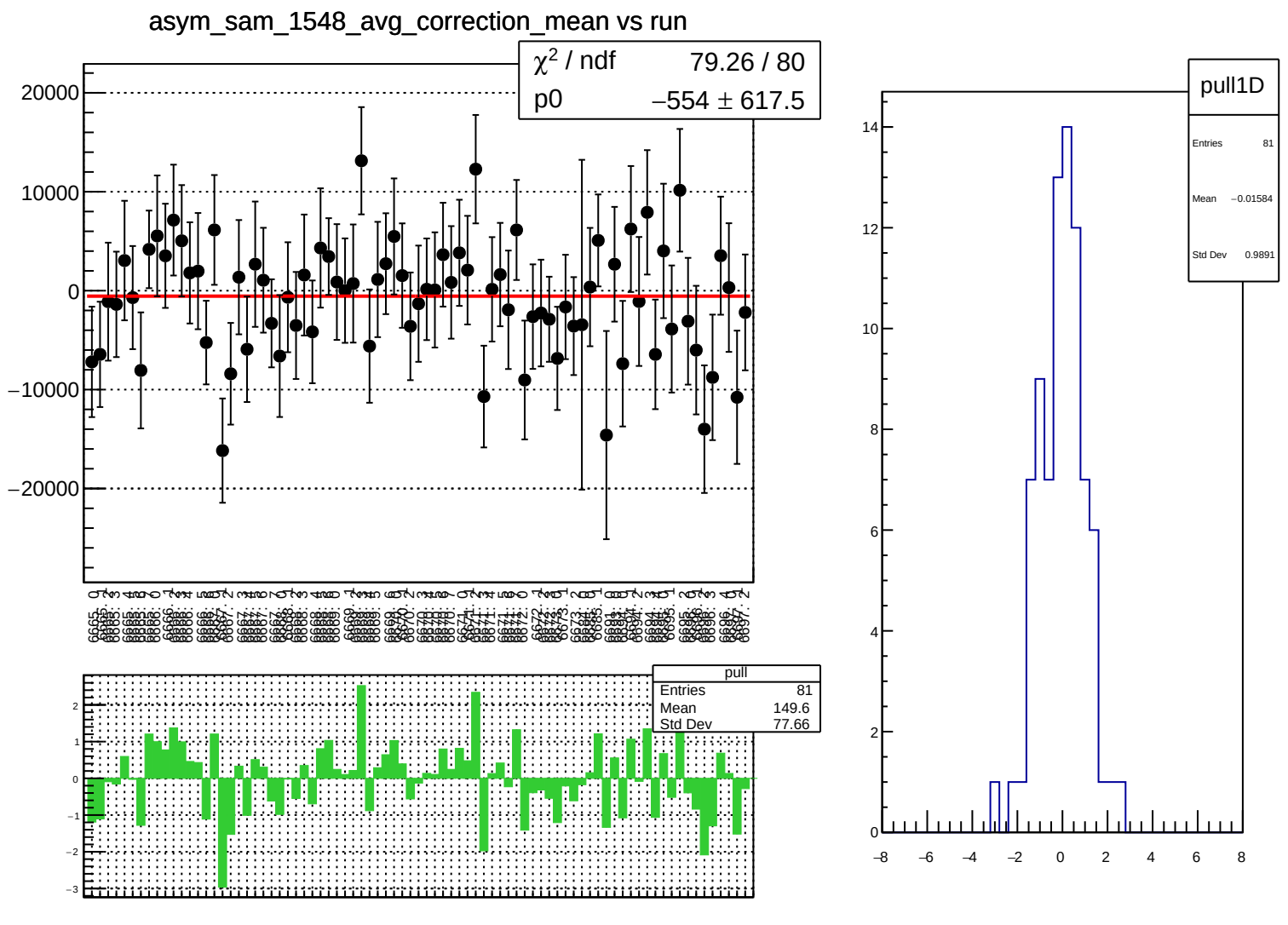



dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.73 / 80
p0 78.72 ± 101.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 81
Mean 76.75
Std Dev 21.45
3
2
1
0
−1
−2

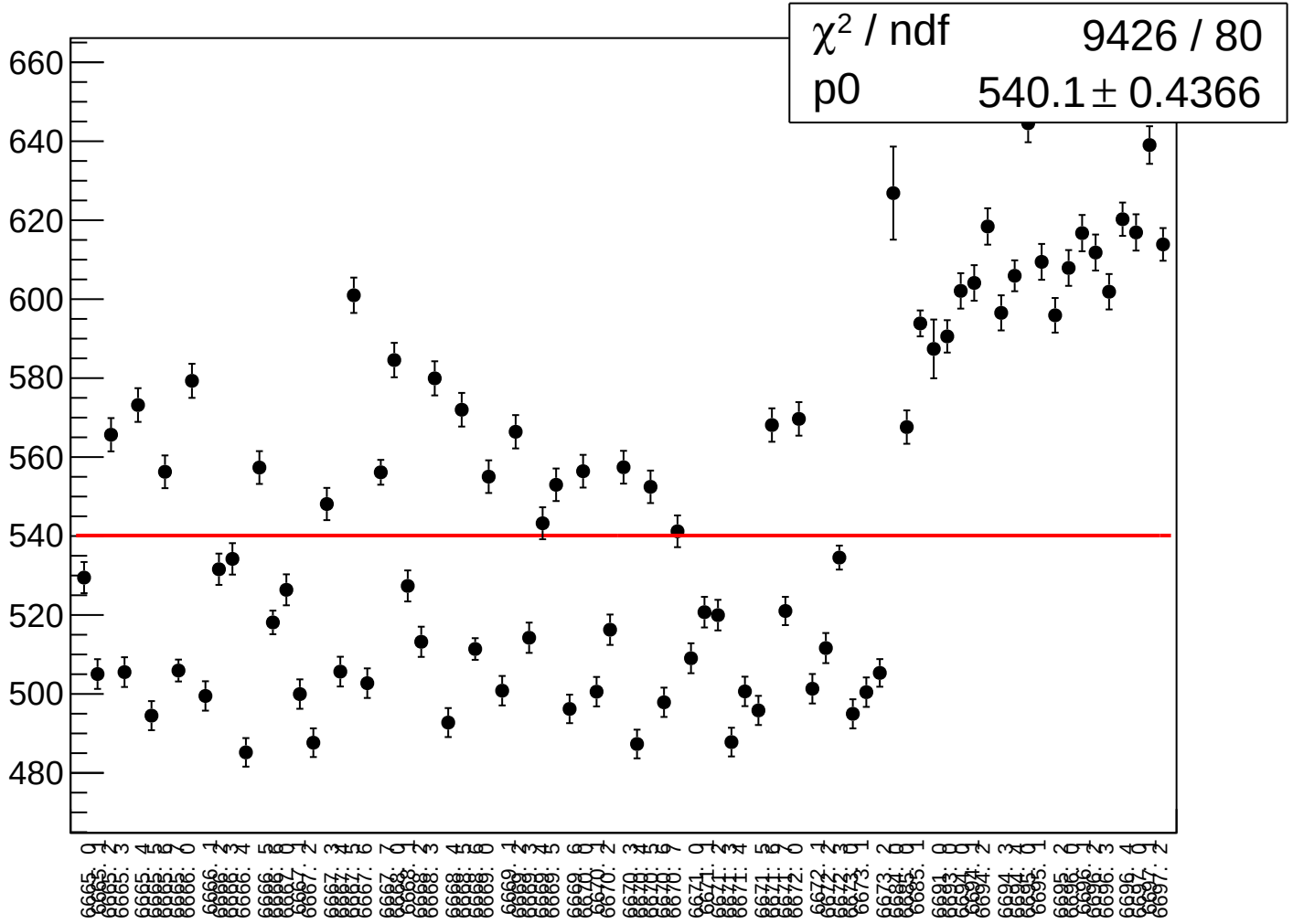

pull1D
Entries 81
Mean −0.02463
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

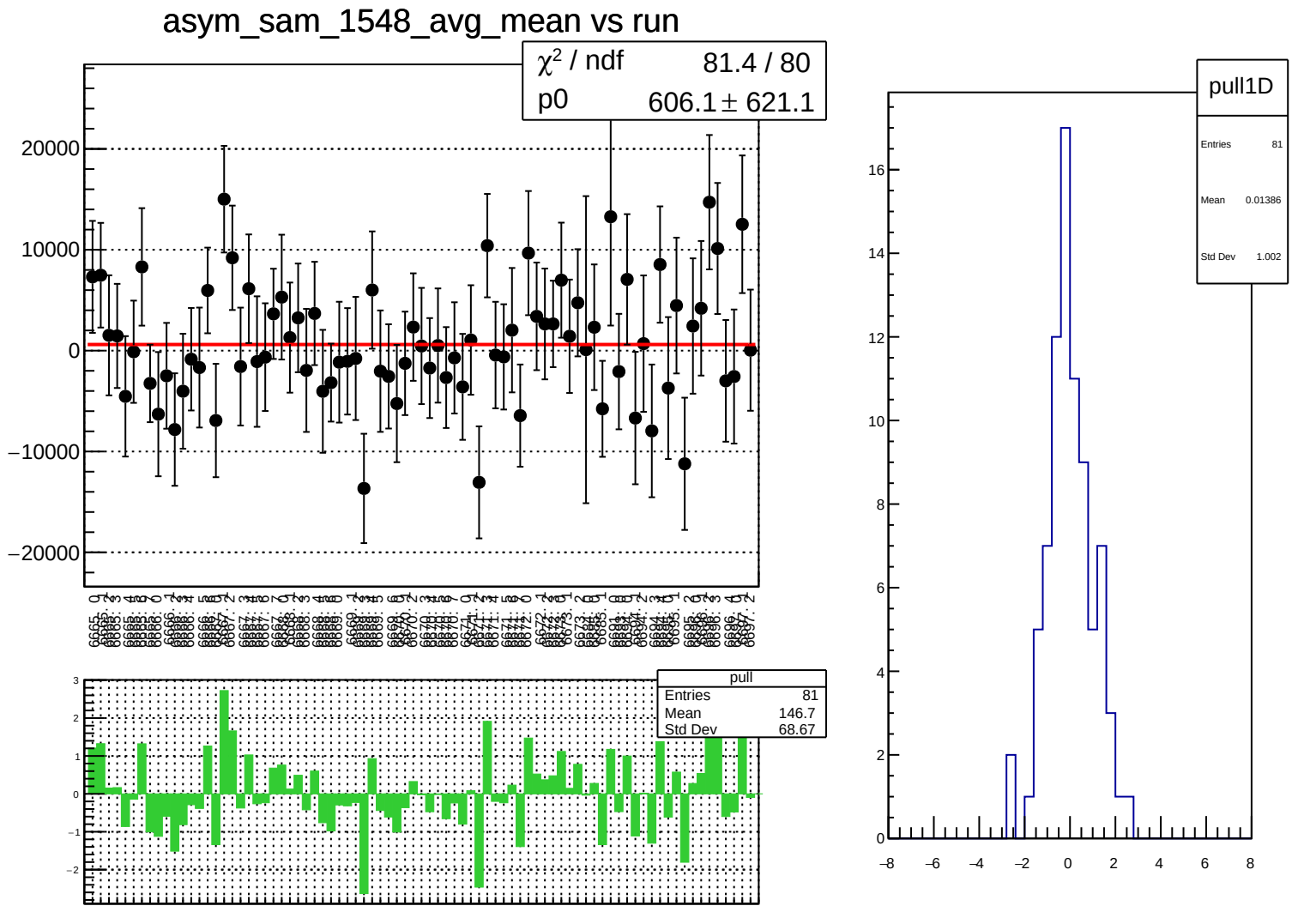
dit_asym_sam_1548_avg_rms vs run



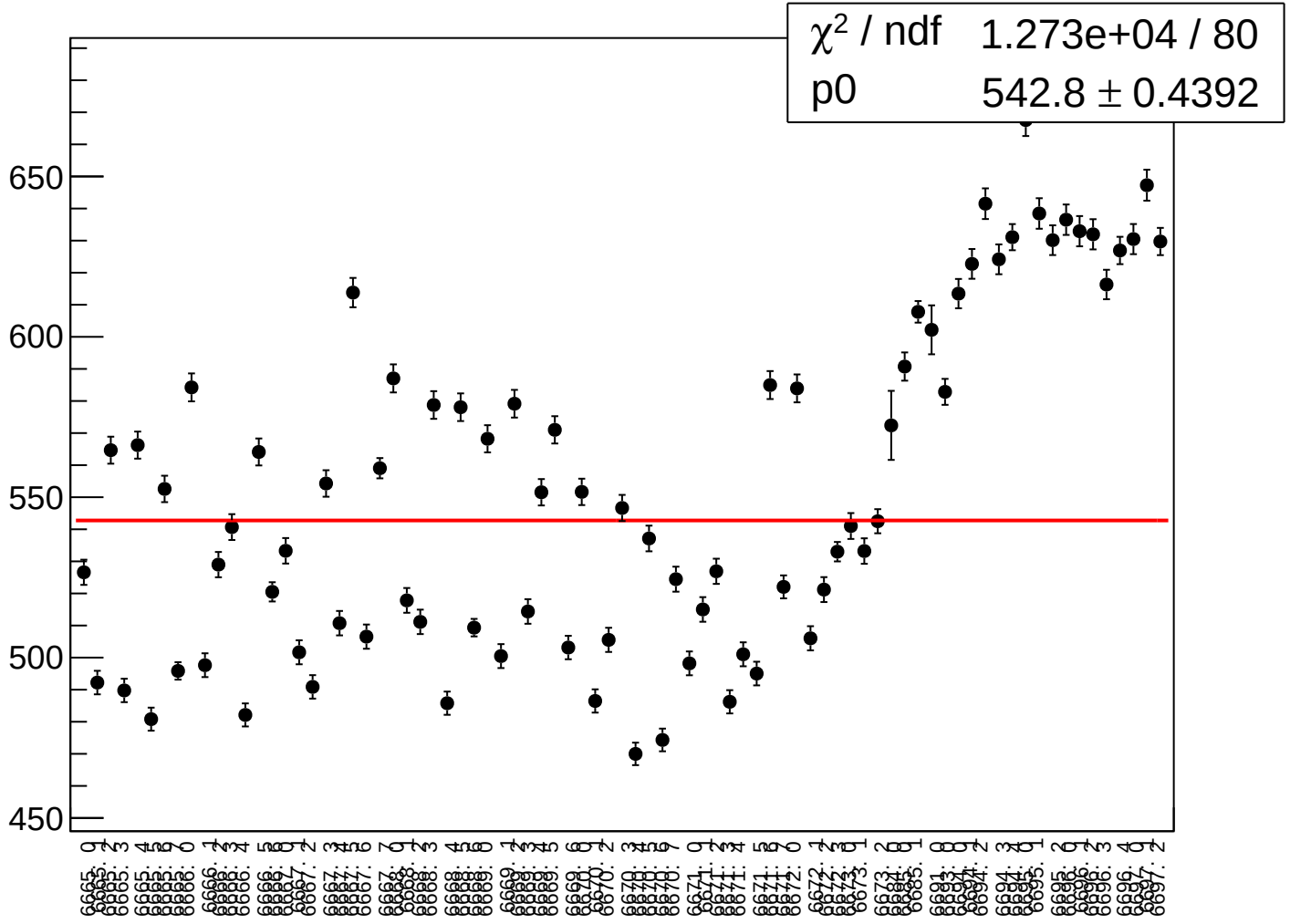

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 79.26 / 80
p0 −554 ± 617.5
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 149.6
Std Dev 77.66
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01584
Std Dev 0.9891
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

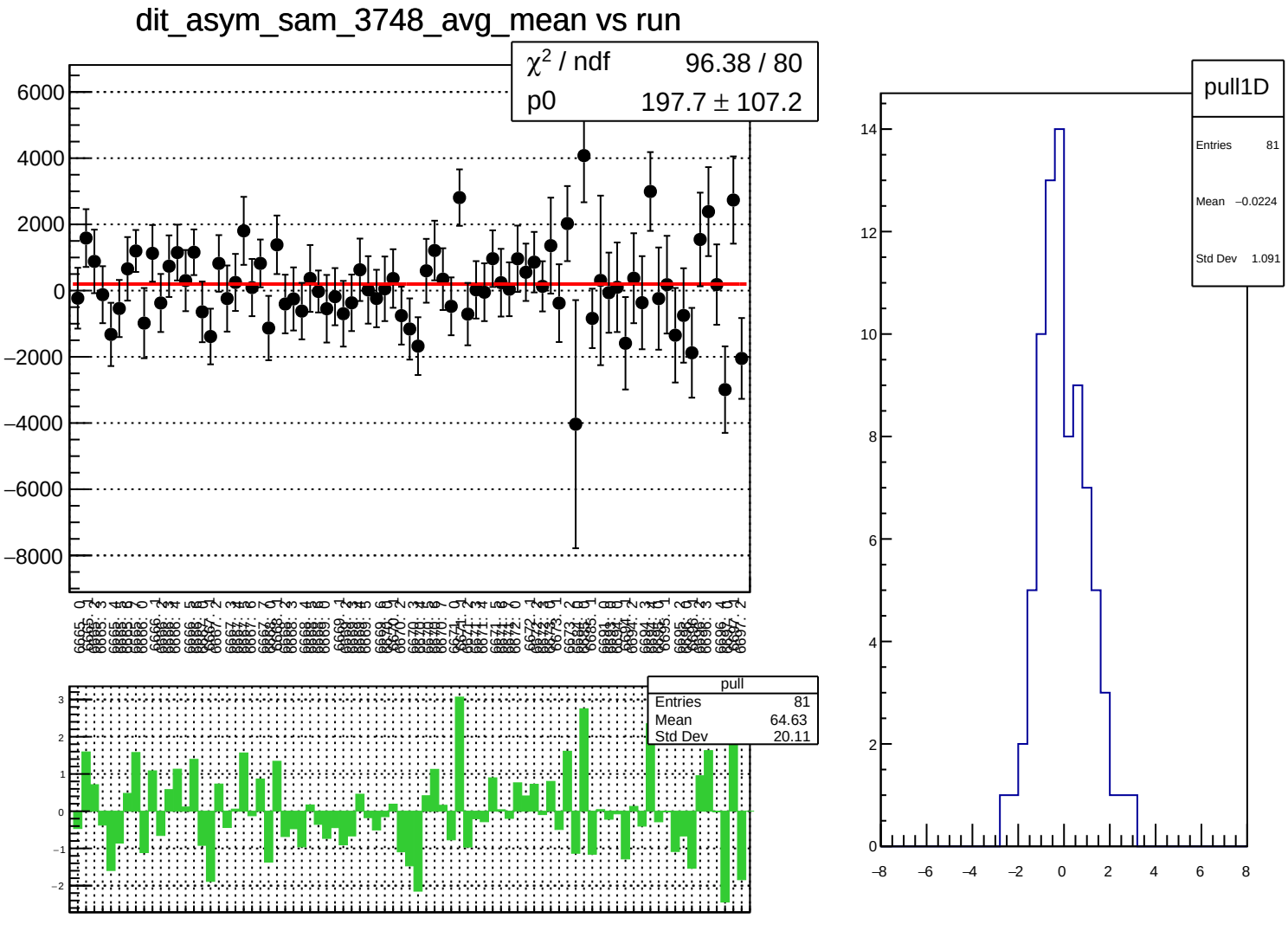
asym_sam_1548_avg_correction_rms vs run



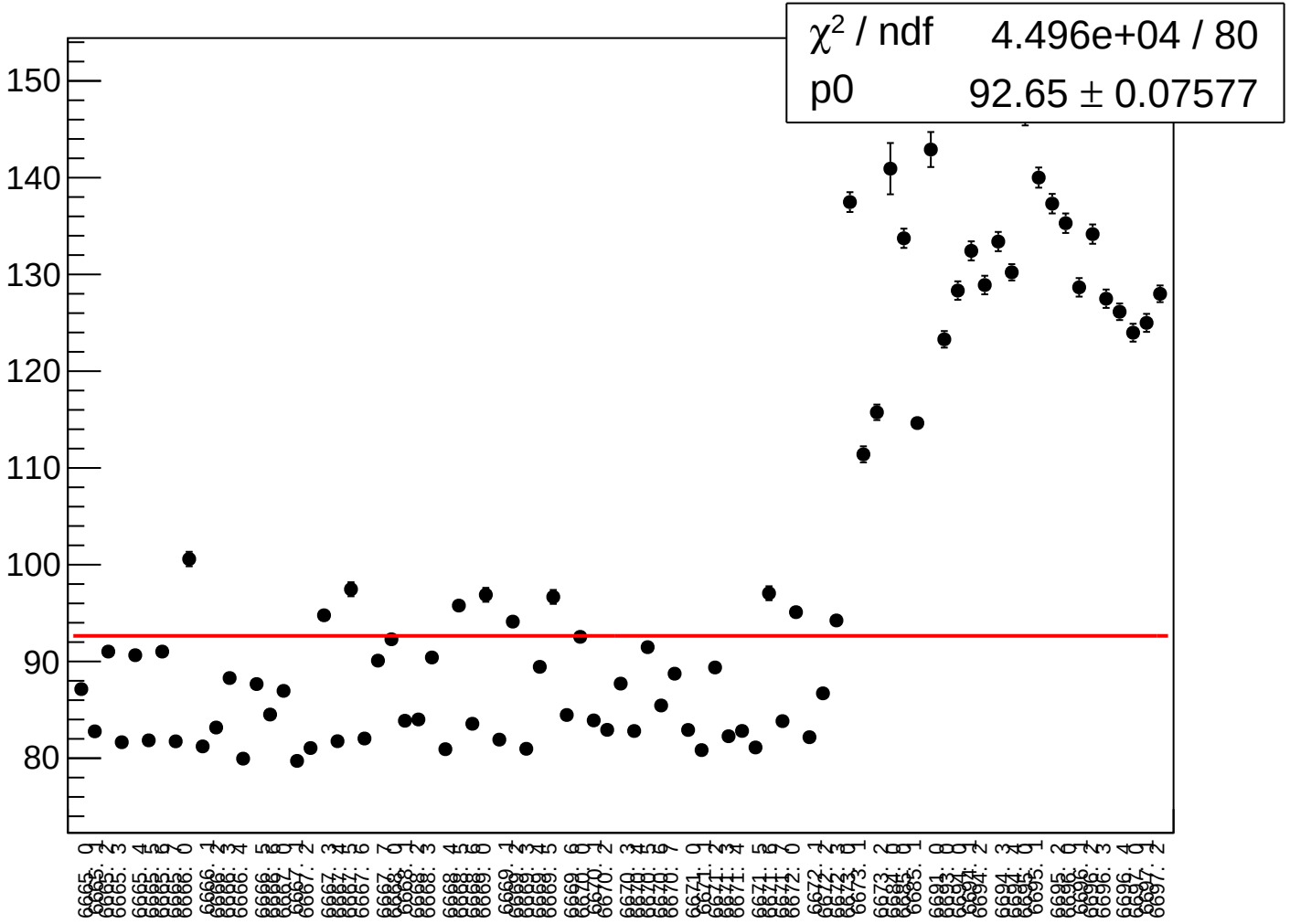

asym_sam_1548_avg_mean vs run
χ² / ndf 81.4 / 80
p0 606.1 ± 621.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 146.7
Std Dev 68.67
pull1D
Entries 81
Mean 0.01386
Std Dev 1.002

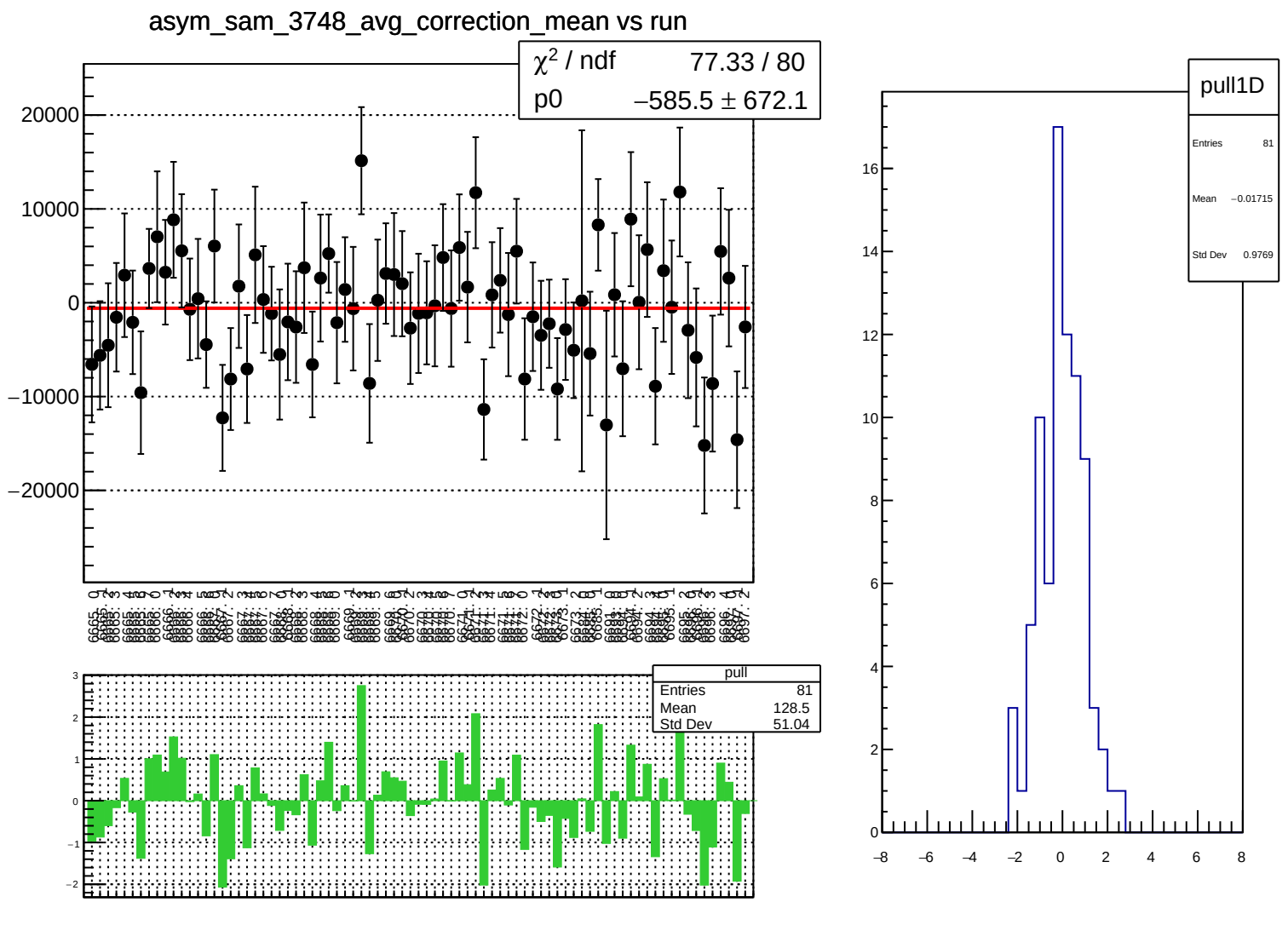
asym_sam_1548_avg_rms vs run



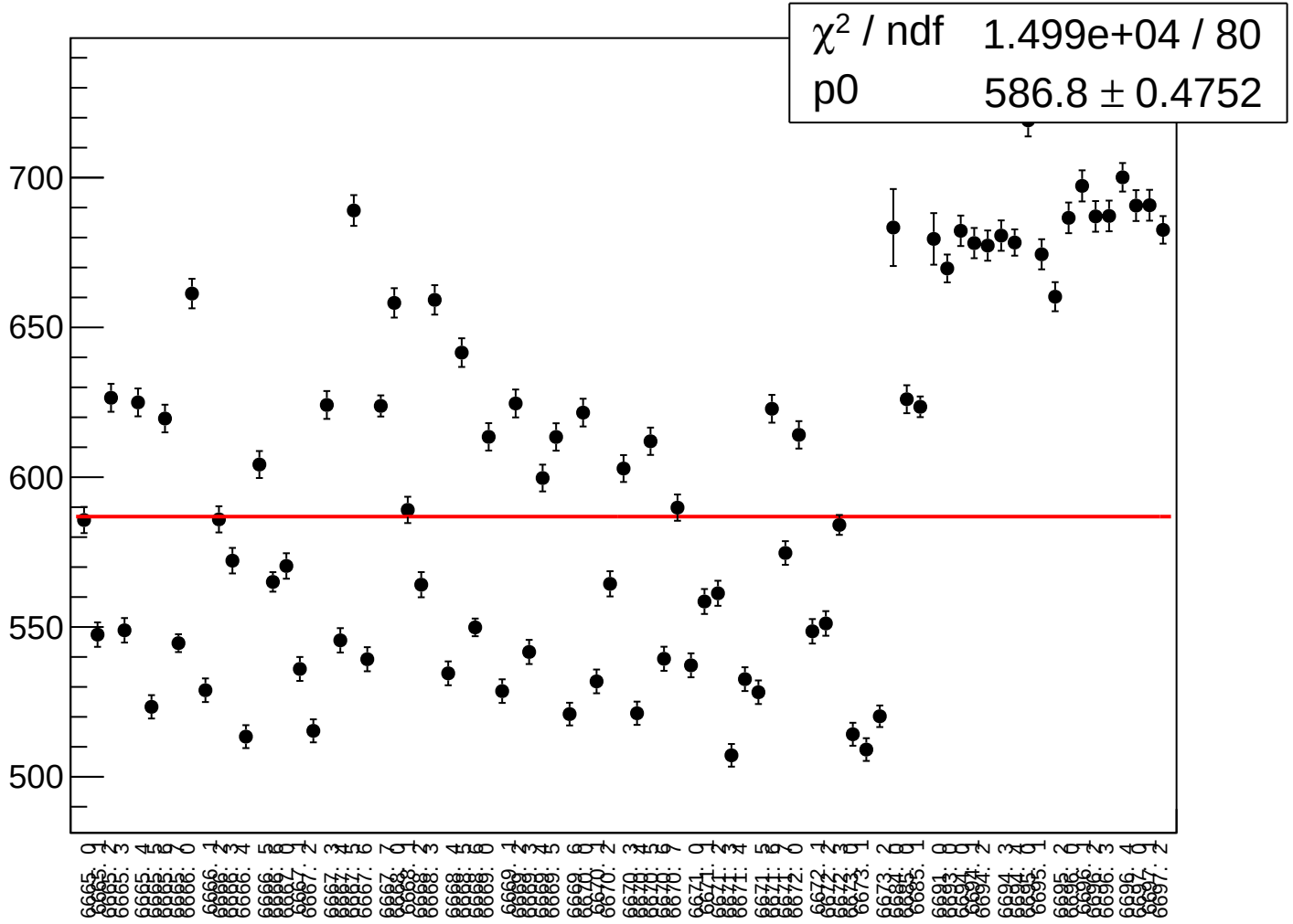

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 96.38 / 80
p0 197.7 ± 107.2
pull
Entries 81
Mean 64.63
Std Dev 20.11
pull1D
Entries 81
Mean −0.0224
Std Dev 1.091

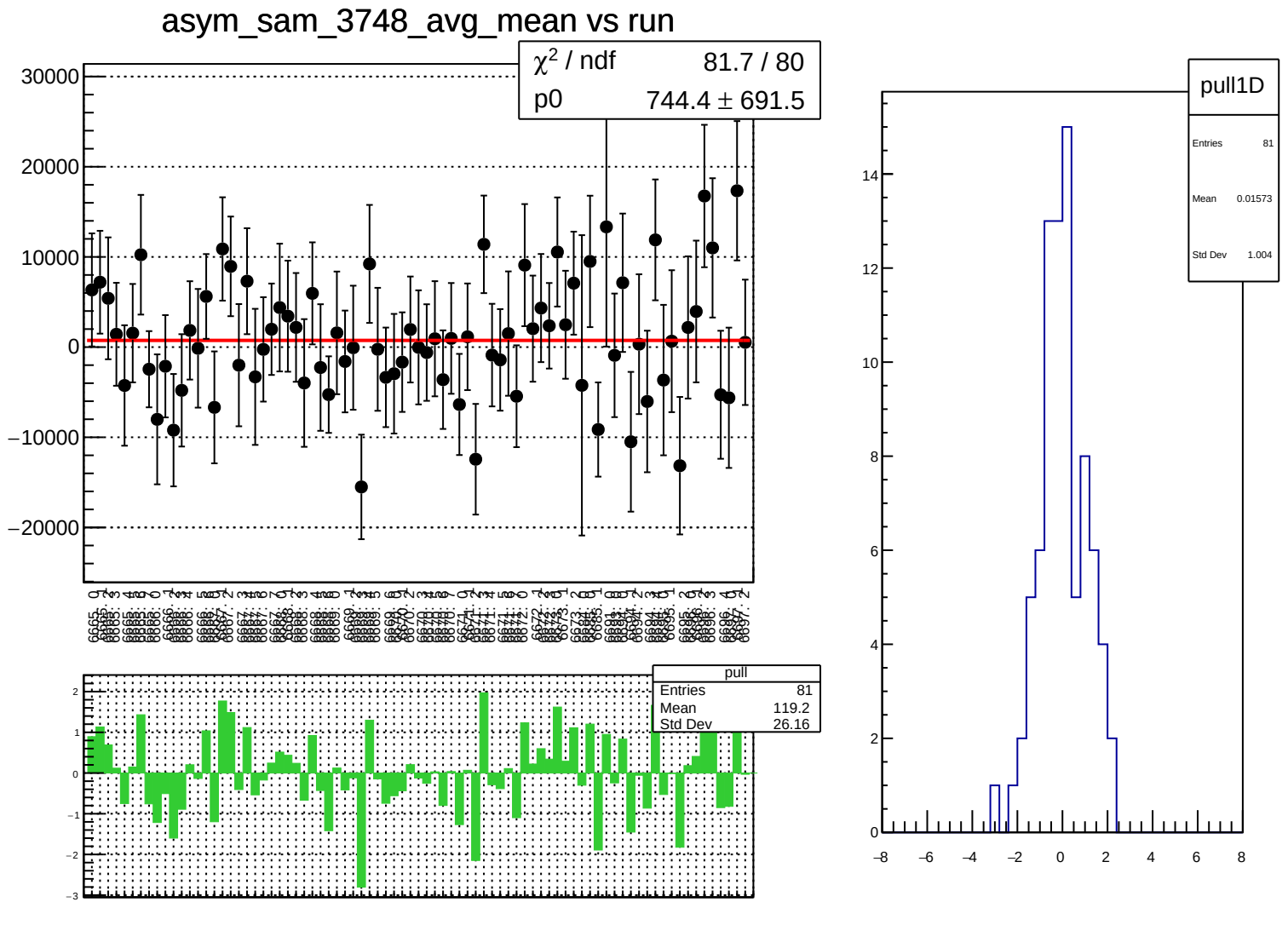
dit_asym_sam_3748_avg_rms vs run



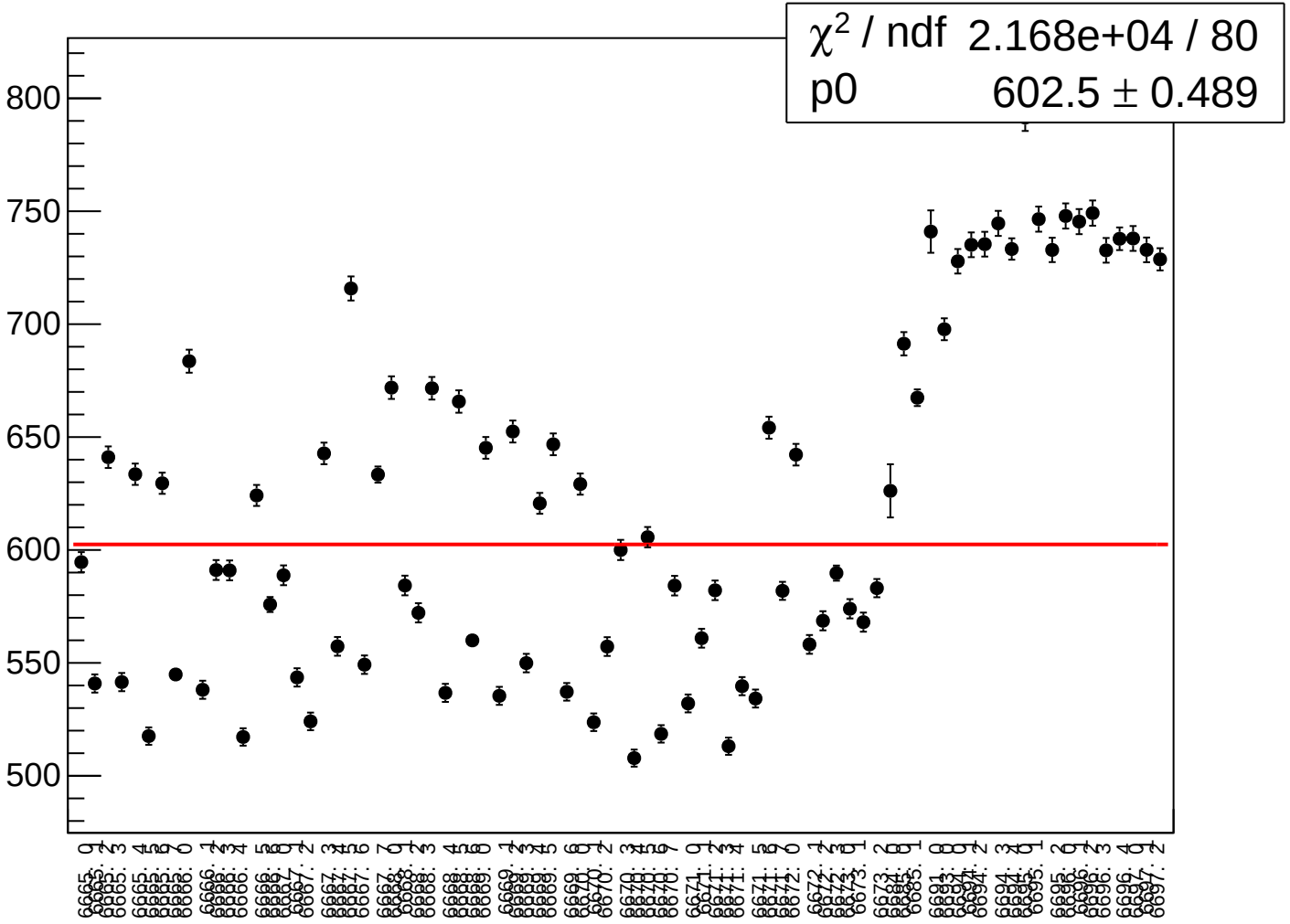

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 77.33 / 80
p0 −585.5 ± 672.1
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 128.5
Std Dev 51.04
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01715
Std Dev 0.9769
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

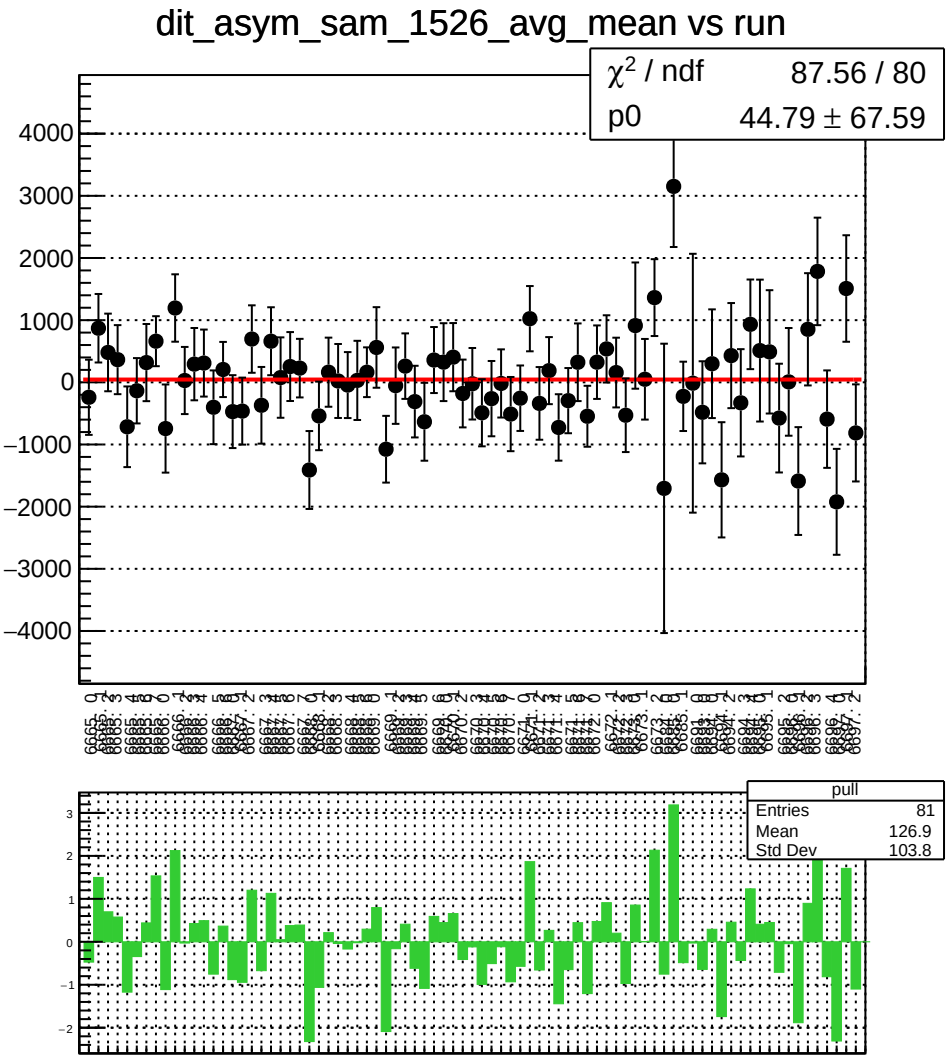
asym_sam_3748_avg_correction_rms vs run

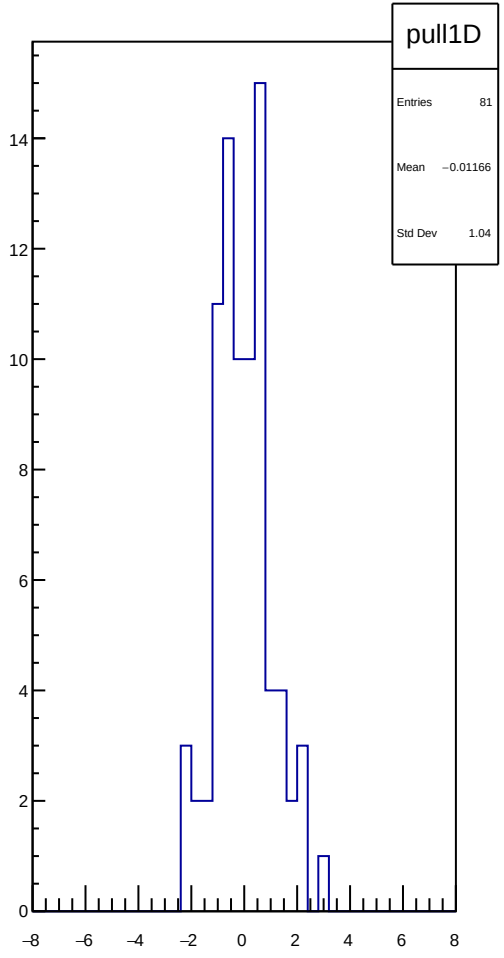



asym_sam_3748_avg_mean vs run
χ² / ndf 81.7 / 80
p0 744.4 ± 691.5
pull
Entries 81
Mean 119.2
Std Dev 26.16
pull1D
Entries 81
Mean 0.01573
Std Dev 1.004

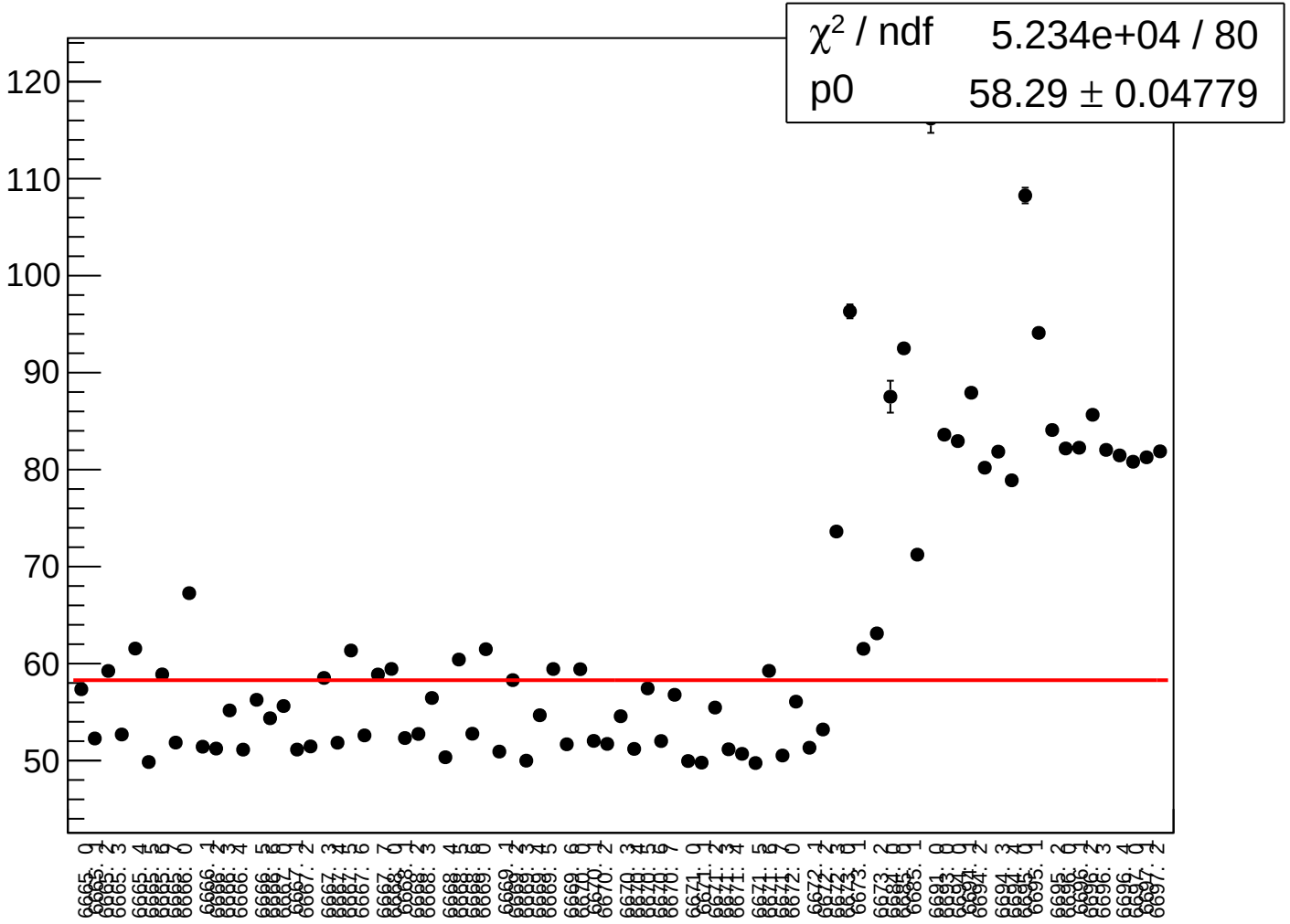
asym_sam_3748_avg_rms vs run

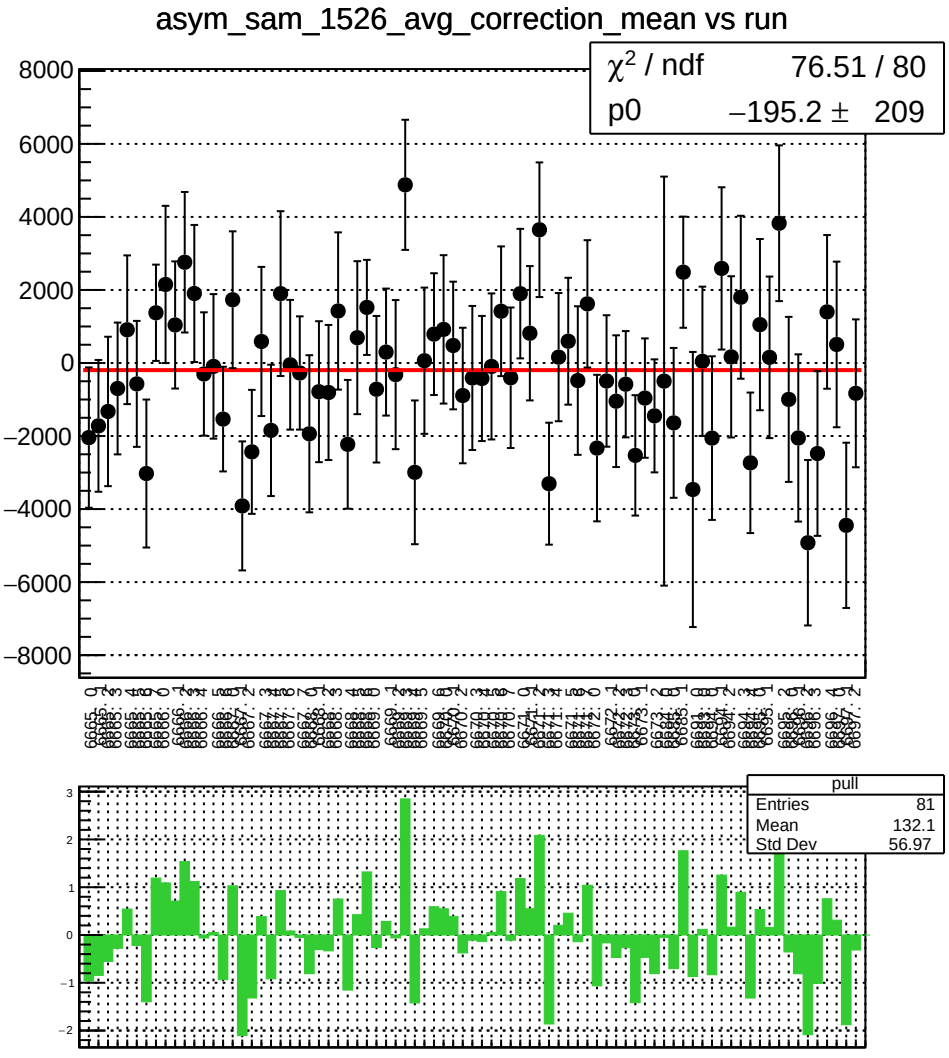


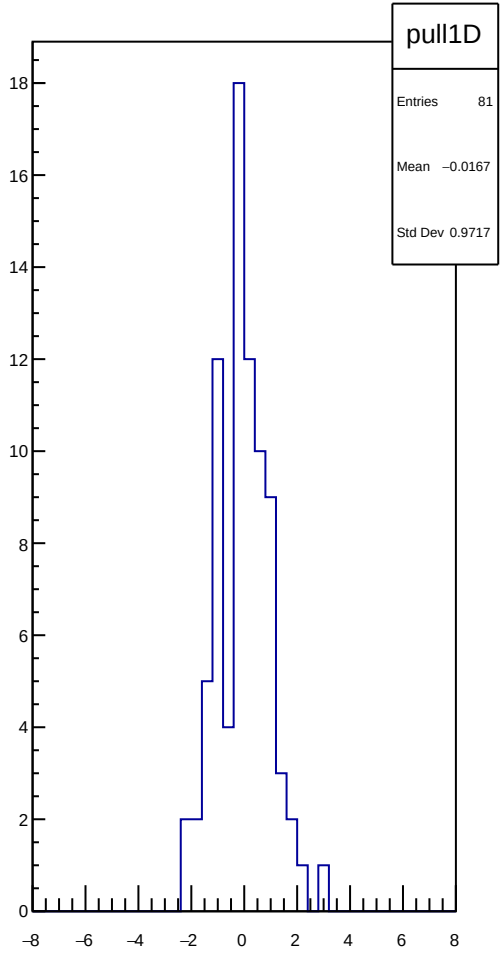

dit_asym_sam_1526_avg_mean vs run
χ^2 / ndf 87.56 / 80
p0 44.79 ± 67.59
pull
Entries 81
Mean 126.9
Std Dev 103.8


pull1D
Entries 81
Mean −0.01166
Std Dev 1.04

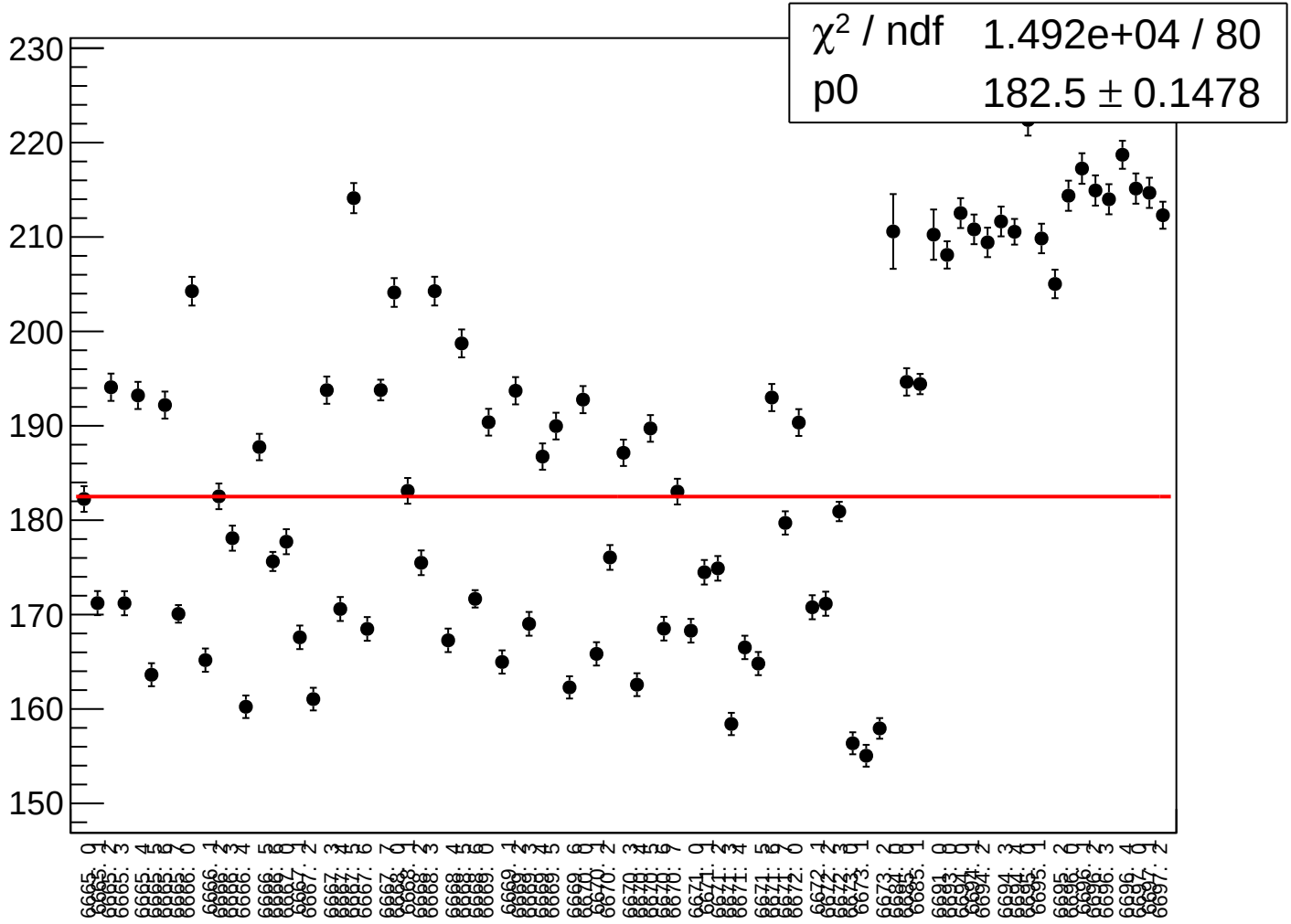
dit_asym_sam_1526_avg_rms vs run

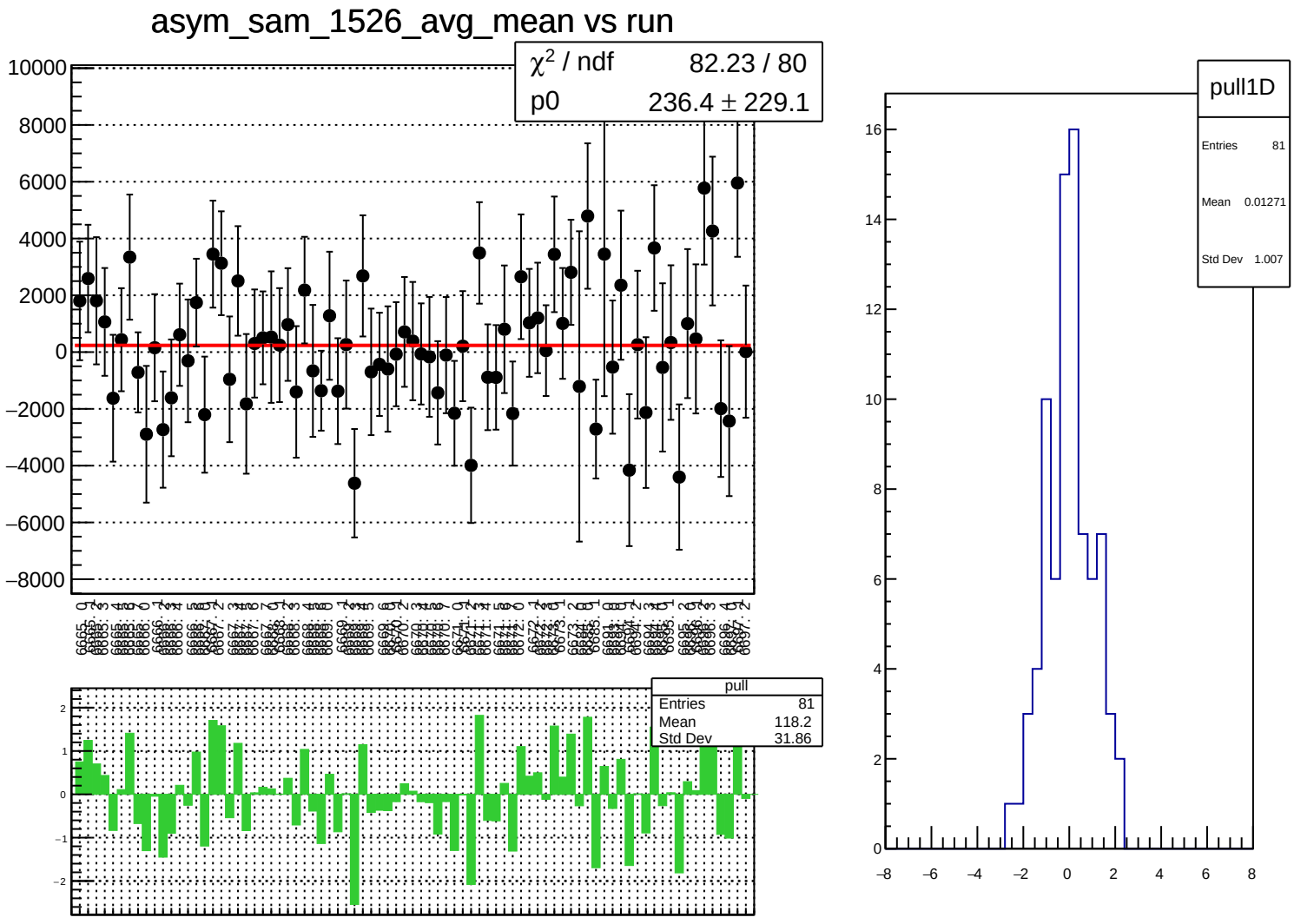



asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 76.51 / 80
p0 −195.2 ± 209
pull
Entries 81
Mean 132.1
Std Dev 56.97

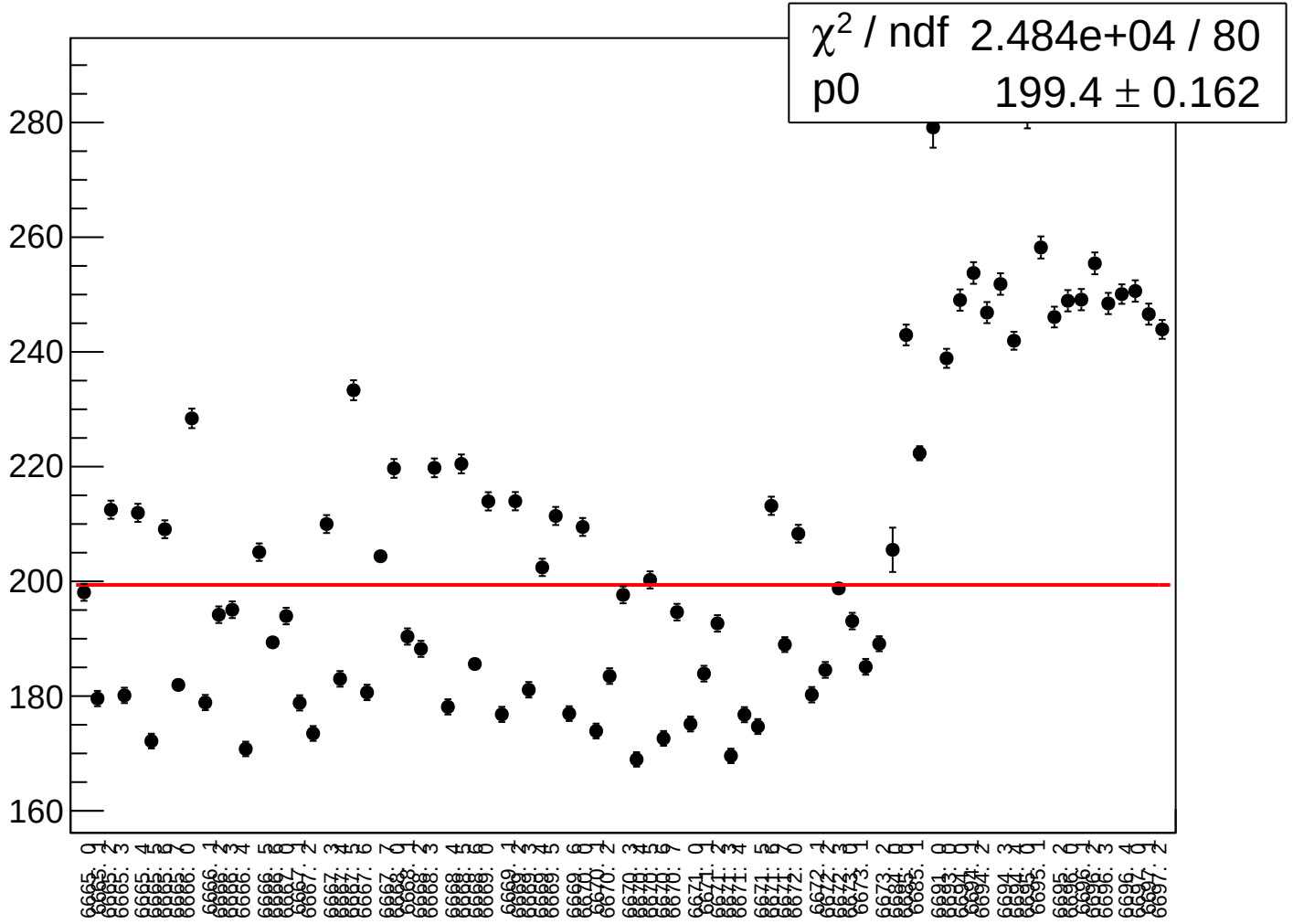

pull1D
Entries 81
Mean −0.0167
Std Dev 0.9717

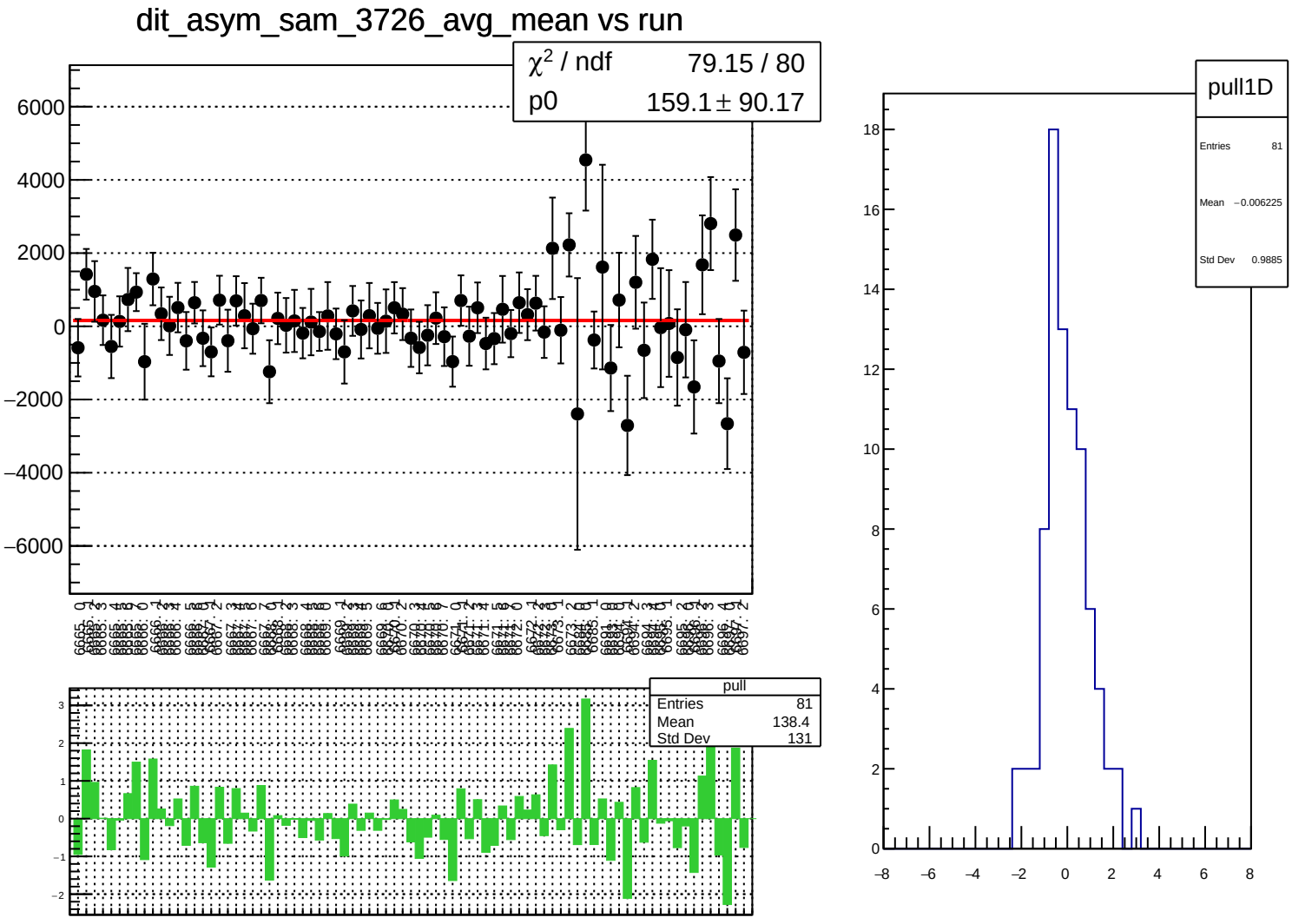
asym_sam_1526_avg_correction_rms vs run



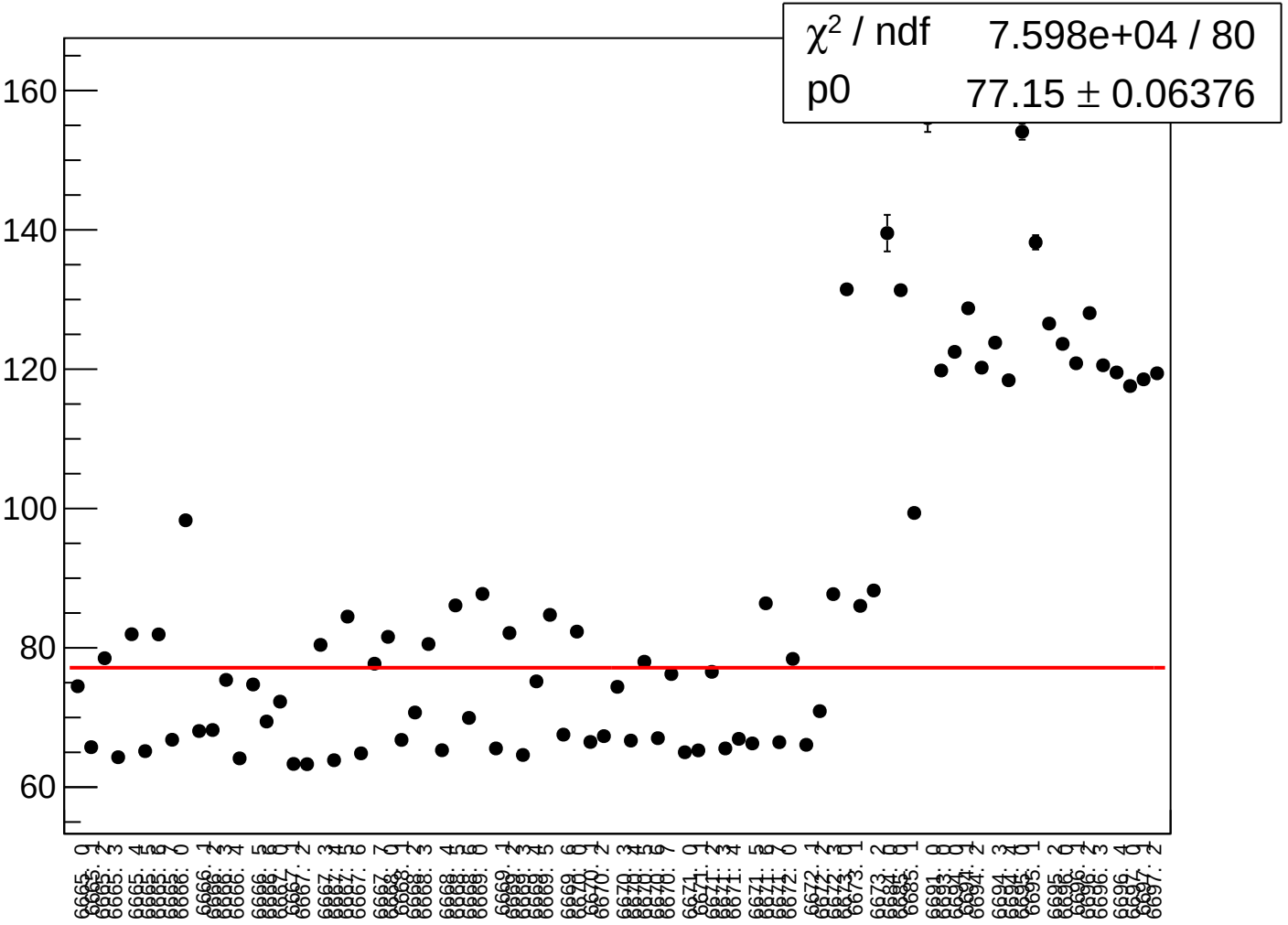

asym_sam_1526_avg_mean vs run
χ² / ndf 82.23 / 80
p0 236.4 ± 229.1
pull
Entries 81
Mean 118.2
Std Dev 31.86
pull1D
Entries 81
Mean 0.01271
Std Dev 1.007

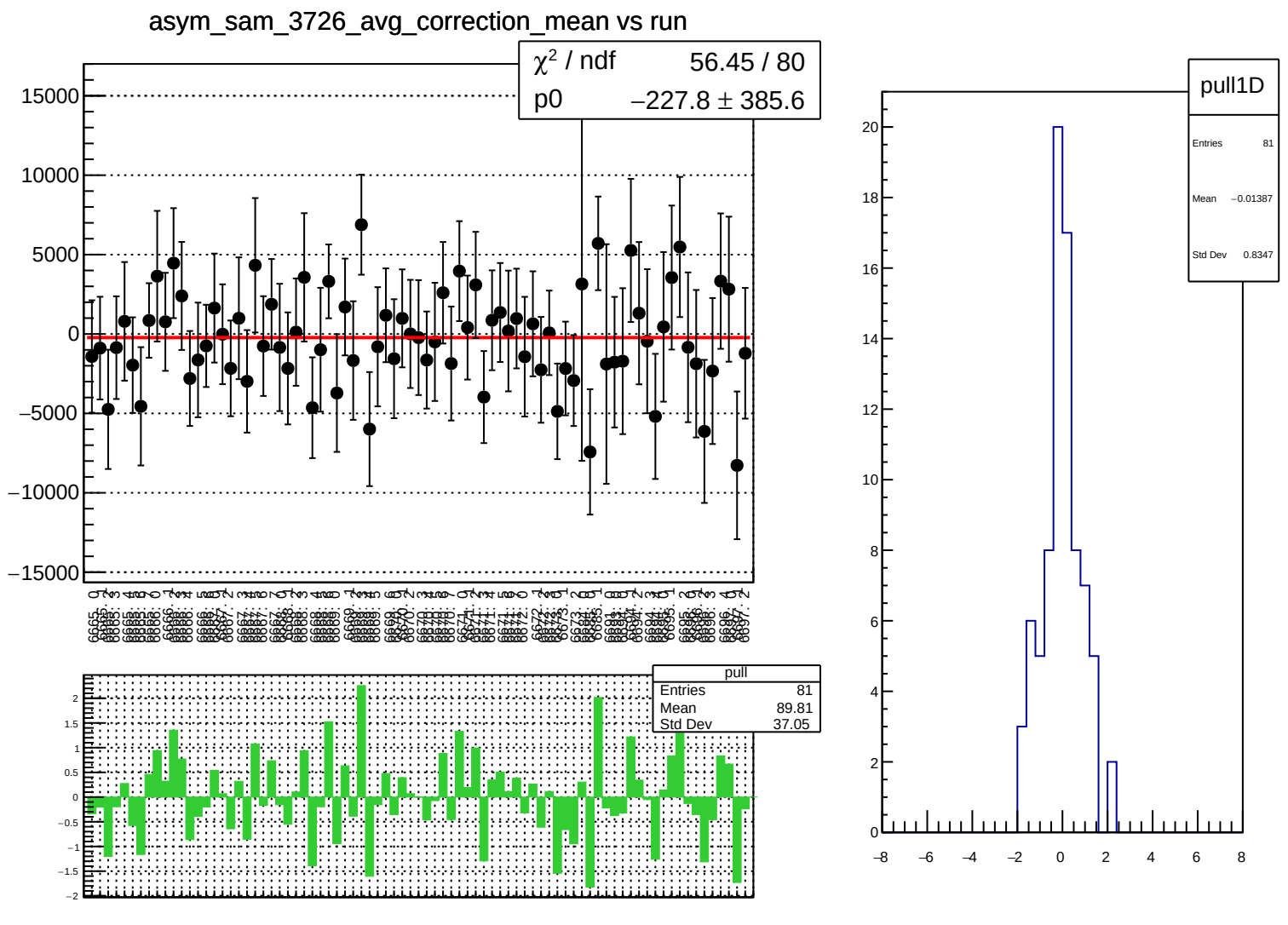
asym_sam_1526_avg_rms vs run



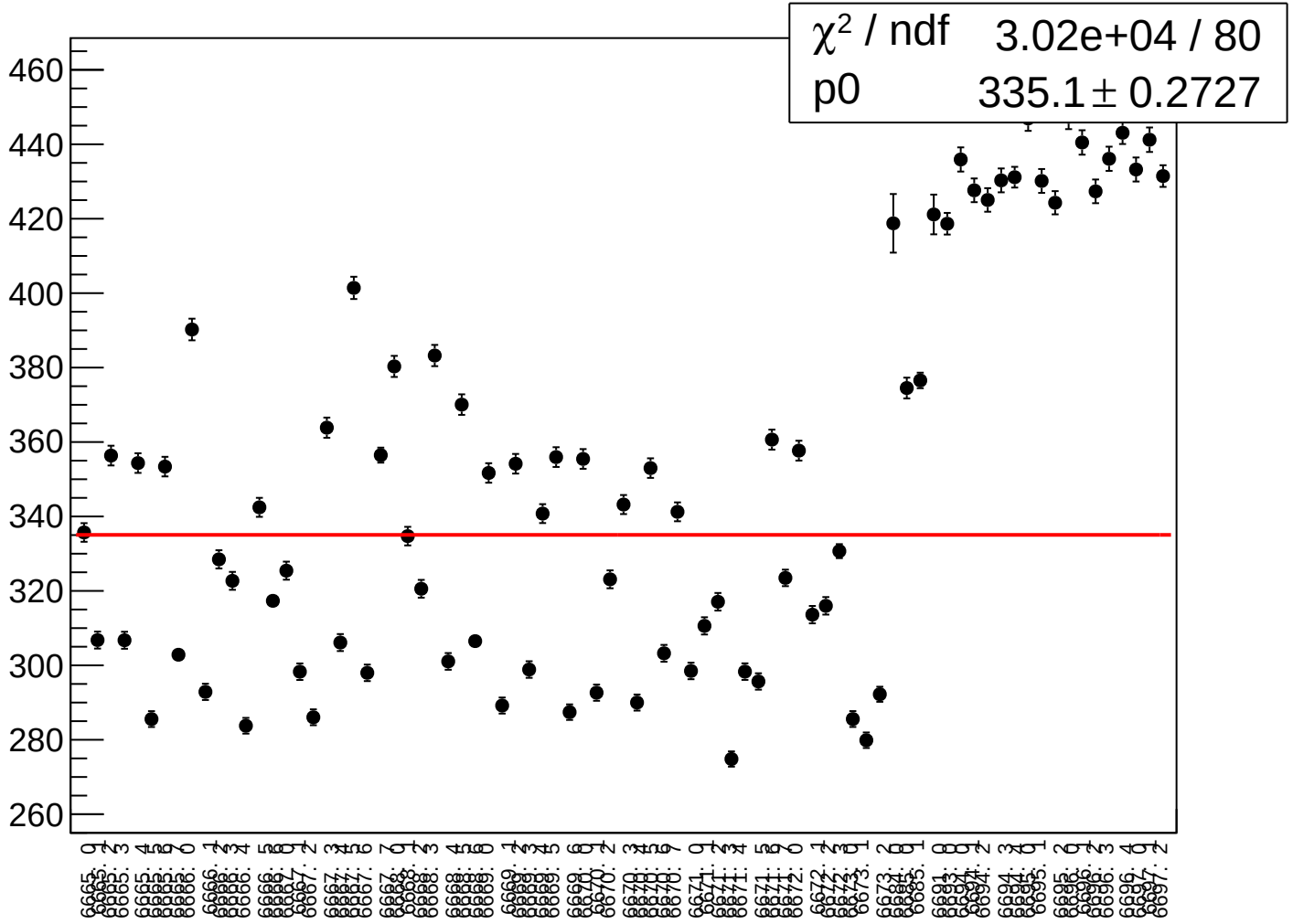

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 79.15 / 80
p0 159.1 ± 90.17
pull
Entries 81
Mean 138.4
Std Dev 131
pull1D
Entries 81
Mean −0.006225
Std Dev 0.9885

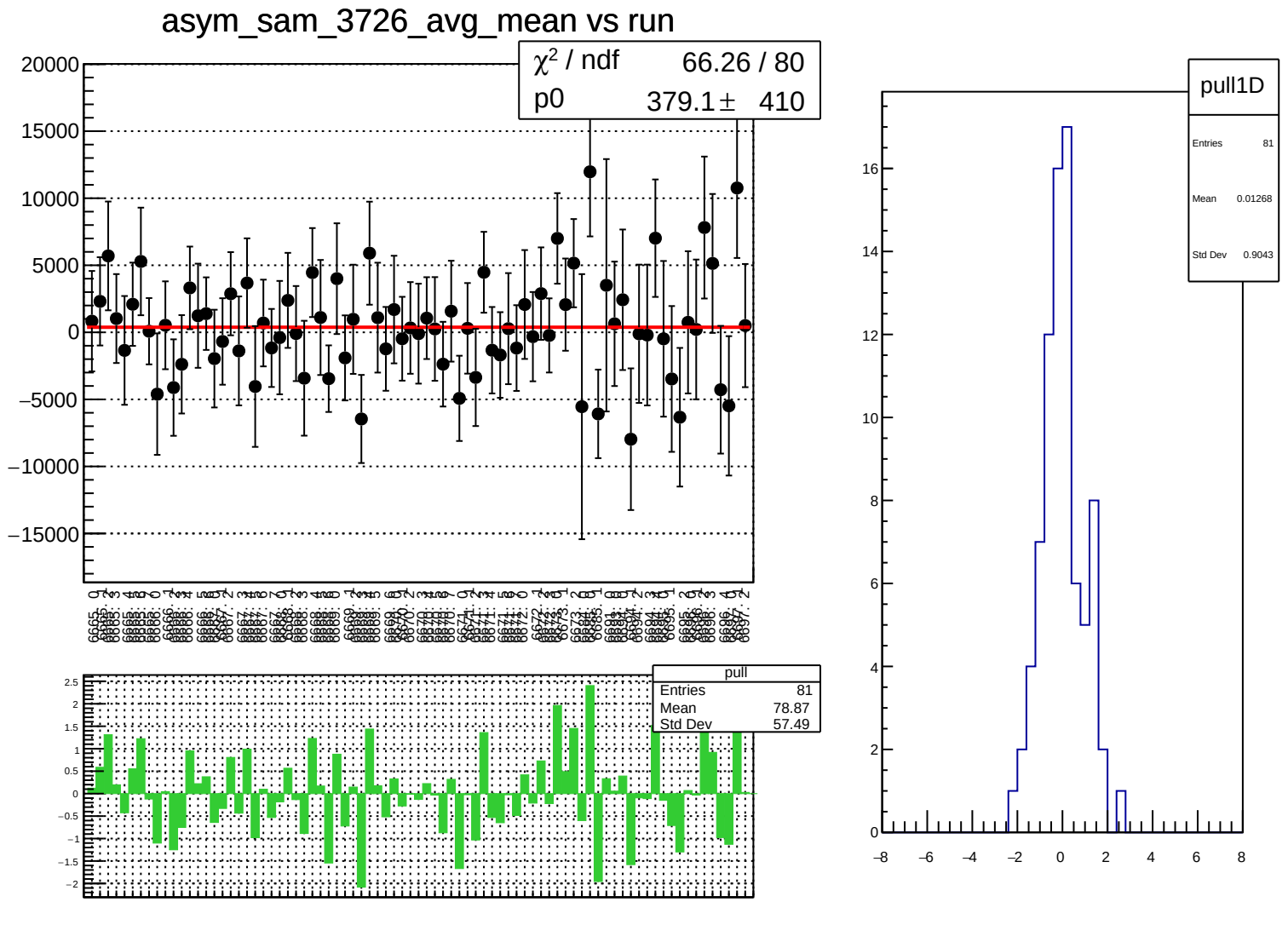
dit_asym_sam_3726_avg_rms vs run



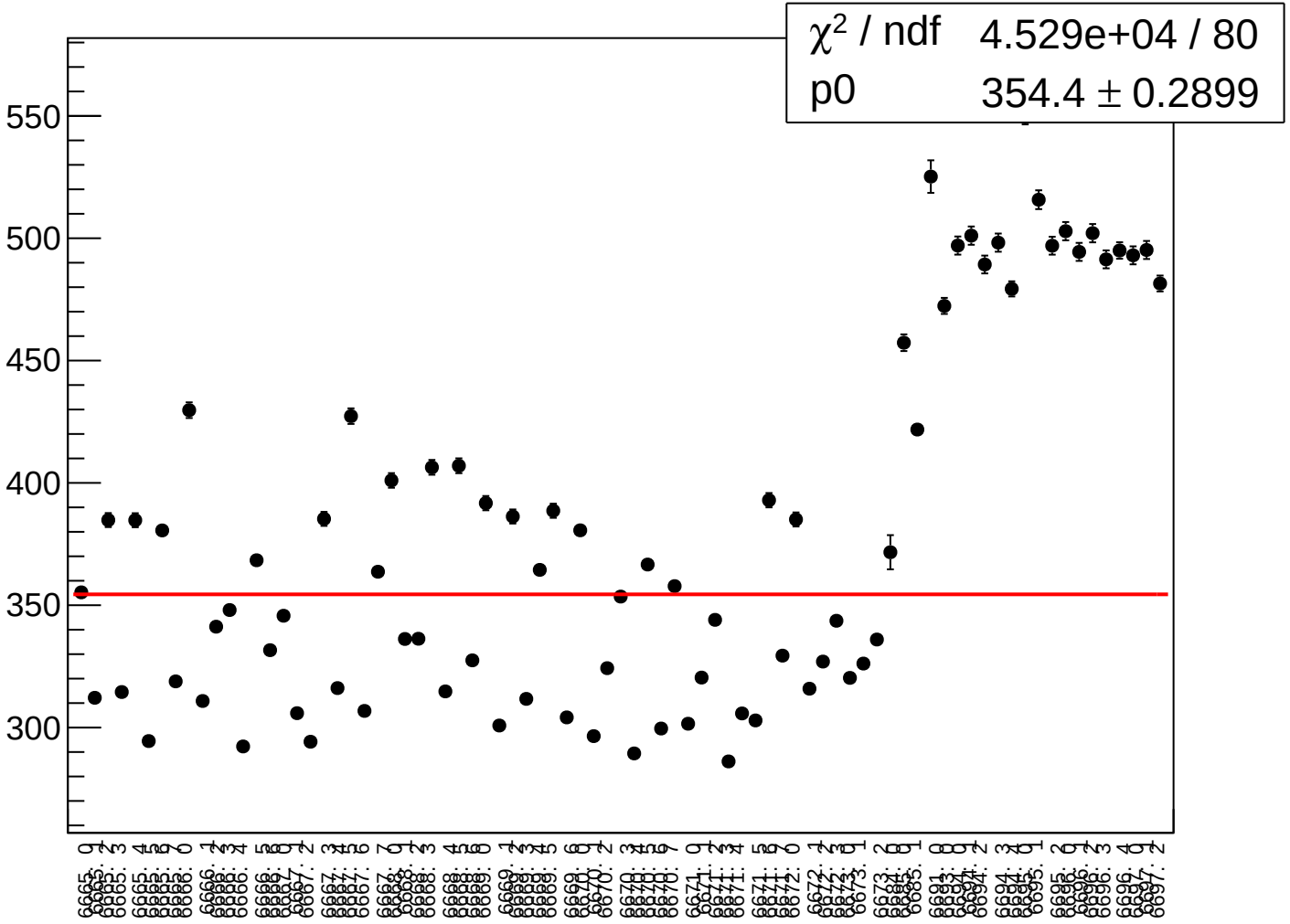

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 56.45 / 80
p0 −227.8 ± 385.6
pull
Entries 81
Mean 89.81
Std Dev 37.05
pull1D
Entries 81
Mean −0.01387
Std Dev 0.8347

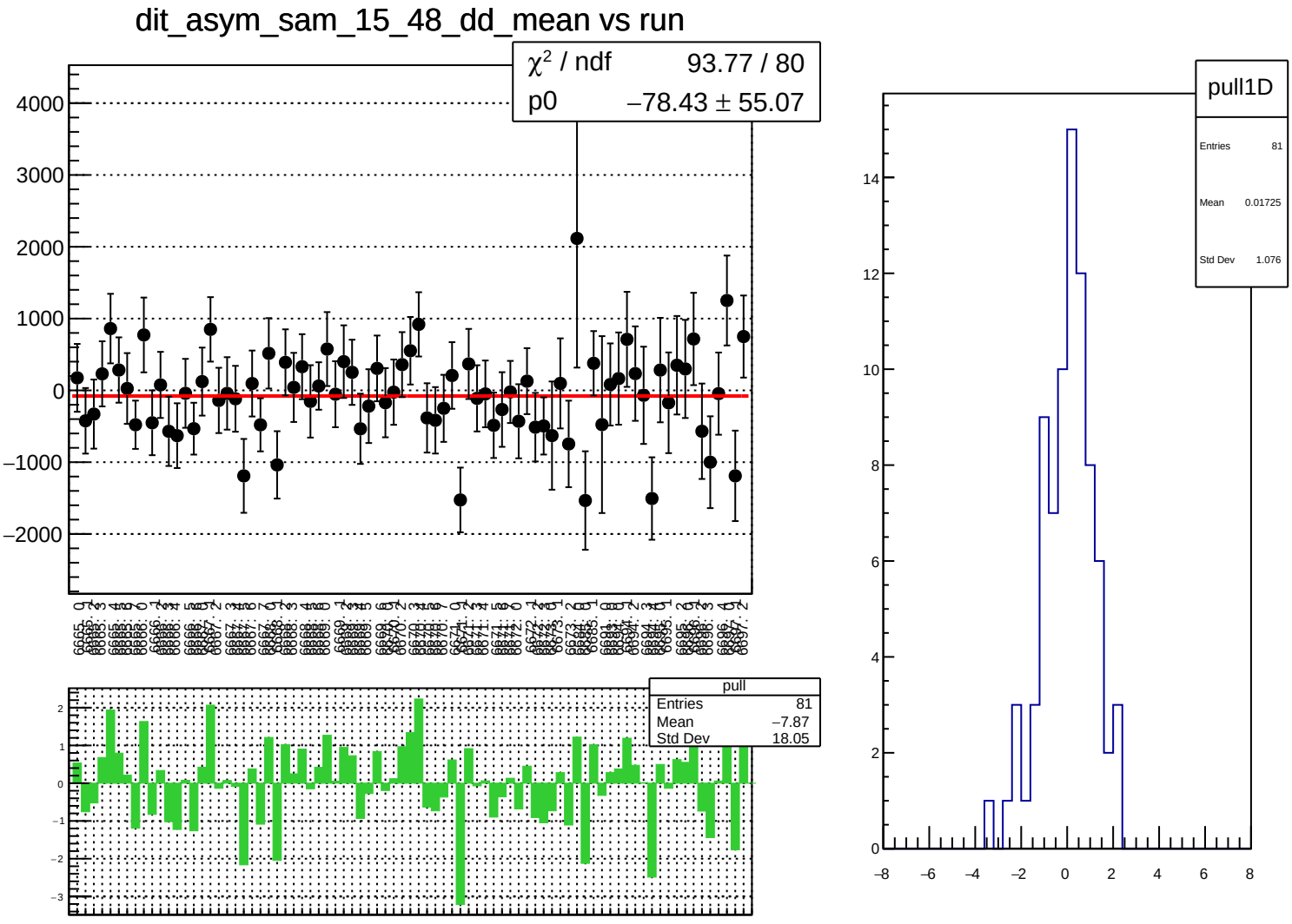
asym_sam_3726_avg_correction_rms vs run



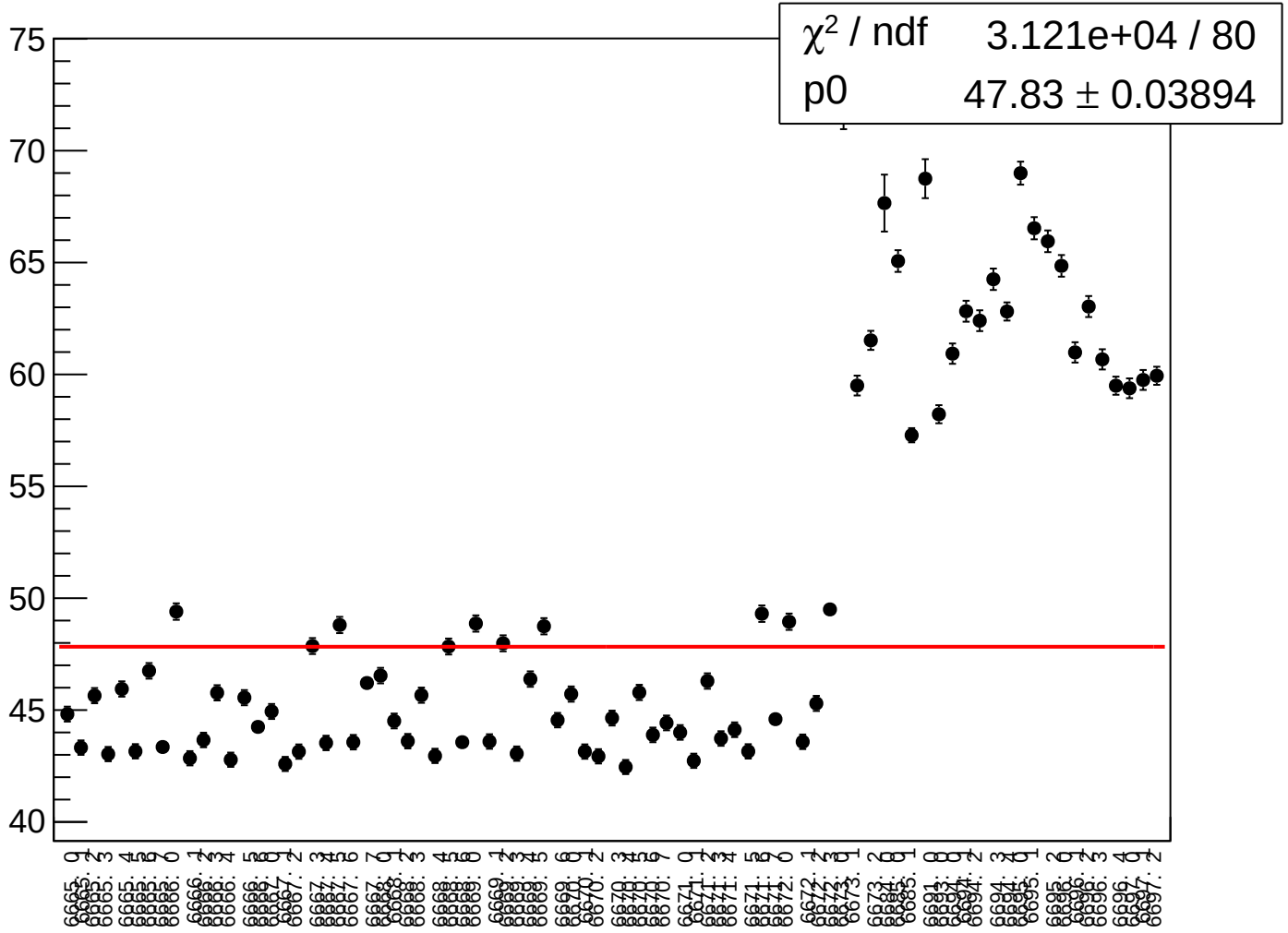

asym_sam_3726_avg_mean vs run
χ² / ndf 66.26 / 80
p0 379.1 ± 410
pull
Entries 81
Mean 78.87
Std Dev 57.49
pull1D
Entries 81
Mean 0.01268
Std Dev 0.9043

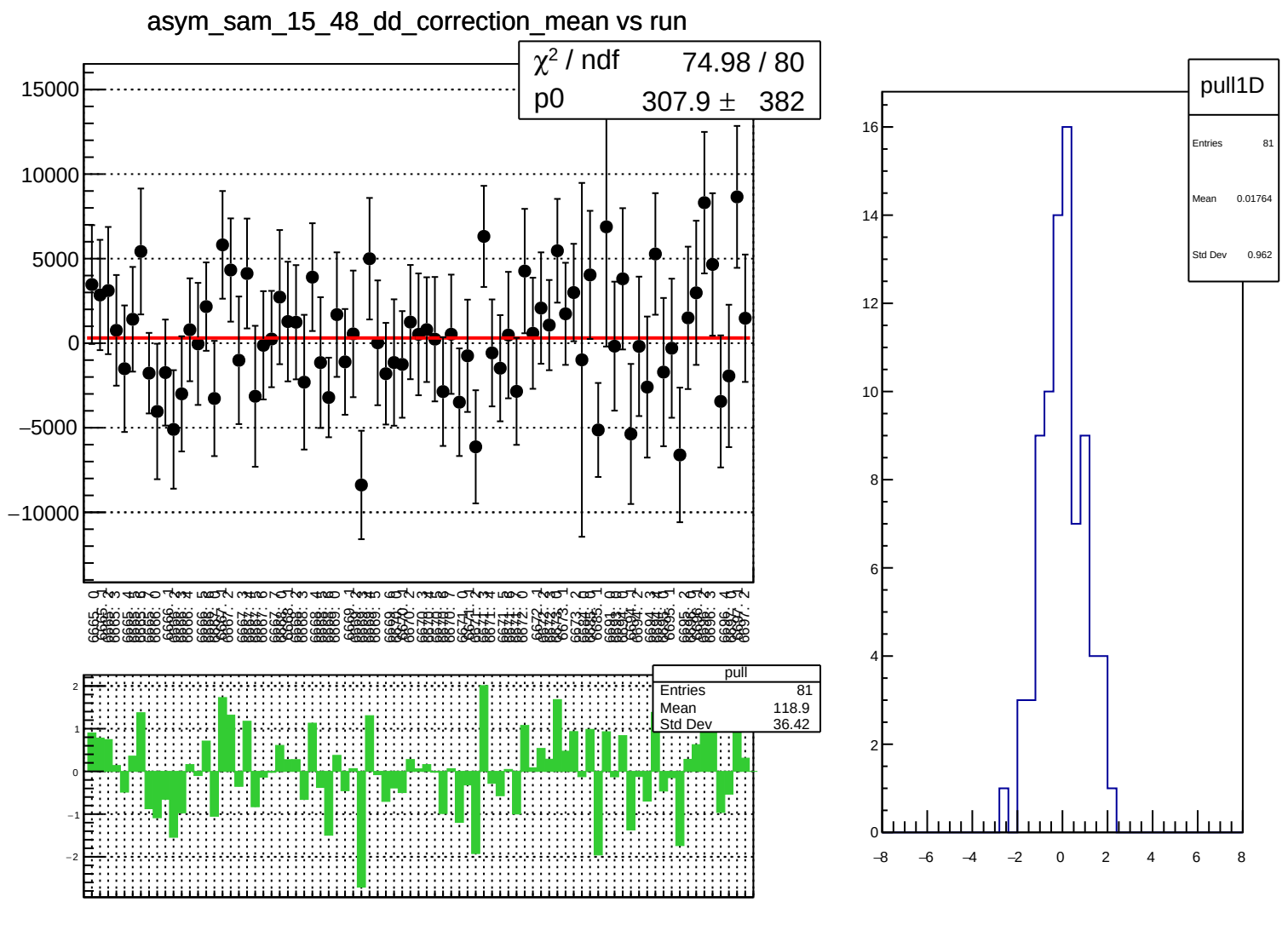
asym_sam_3726_avg_rms vs run

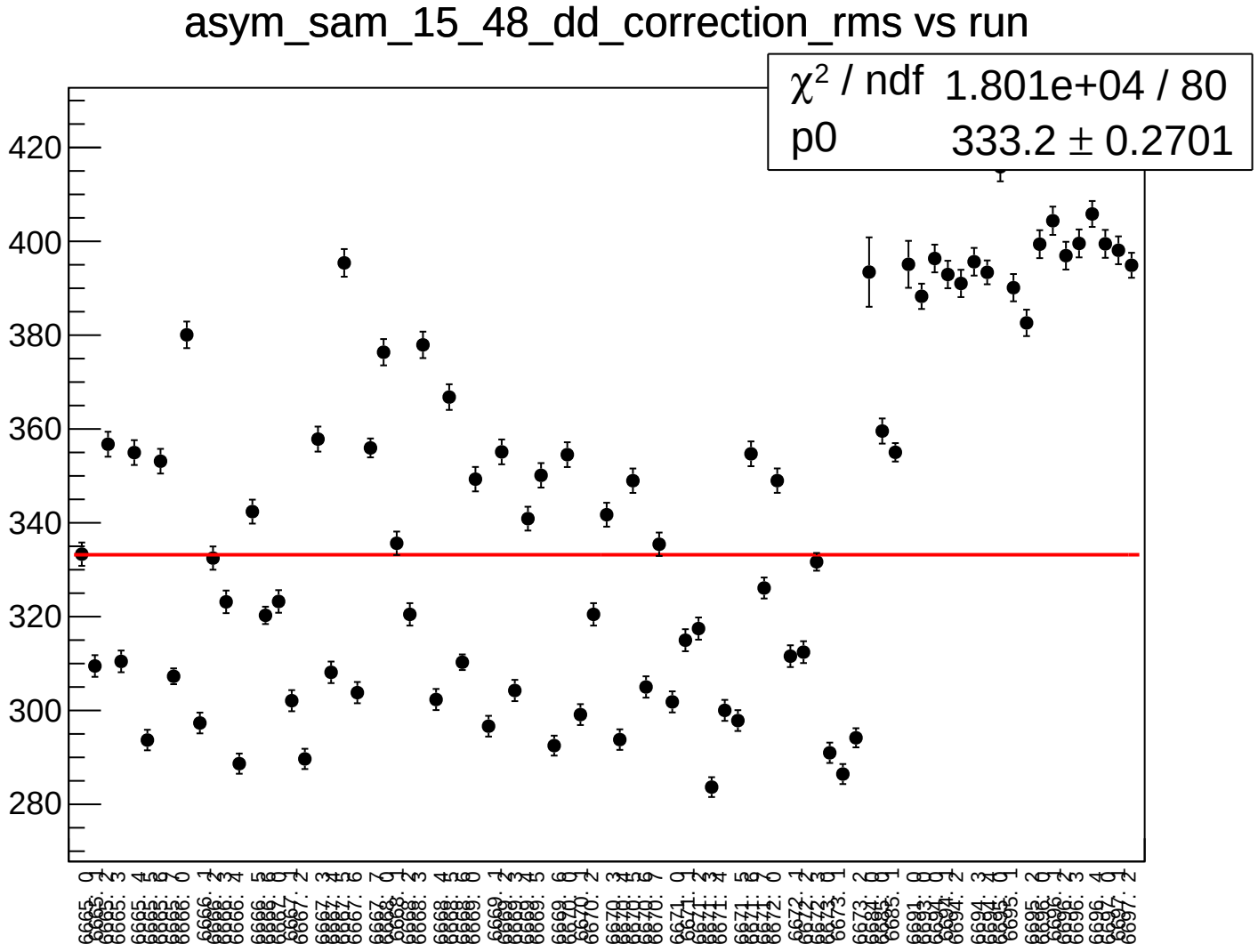


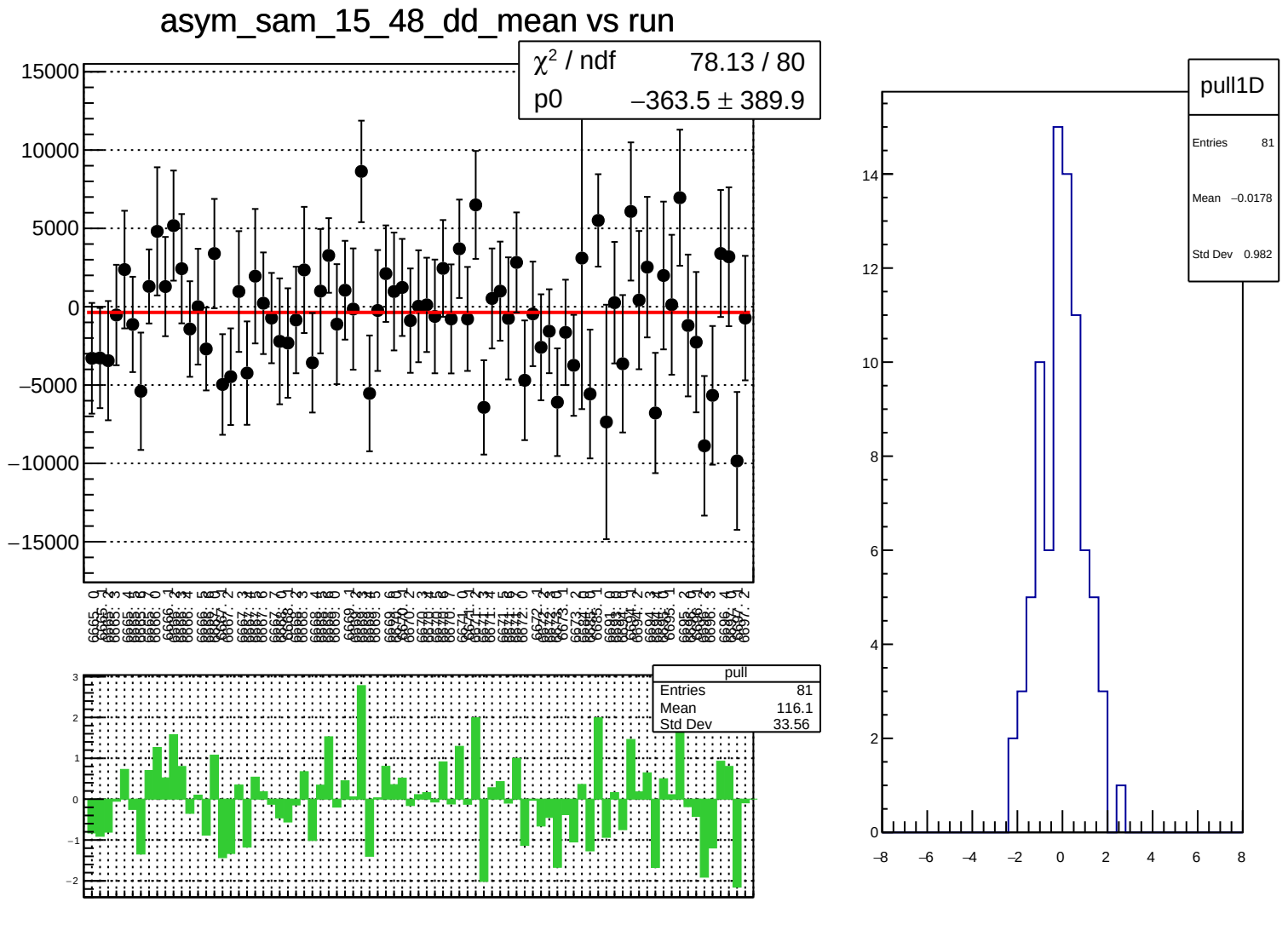

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 93.77 / 80
p0 −78.43 ± 55.07
pull
Entries 81
Mean −7.87
Std Dev 18.05
pull1D
Entries 81
Mean 0.01725
Std Dev 1.076

dit_asym_sam_15_48_dd_rms vs run

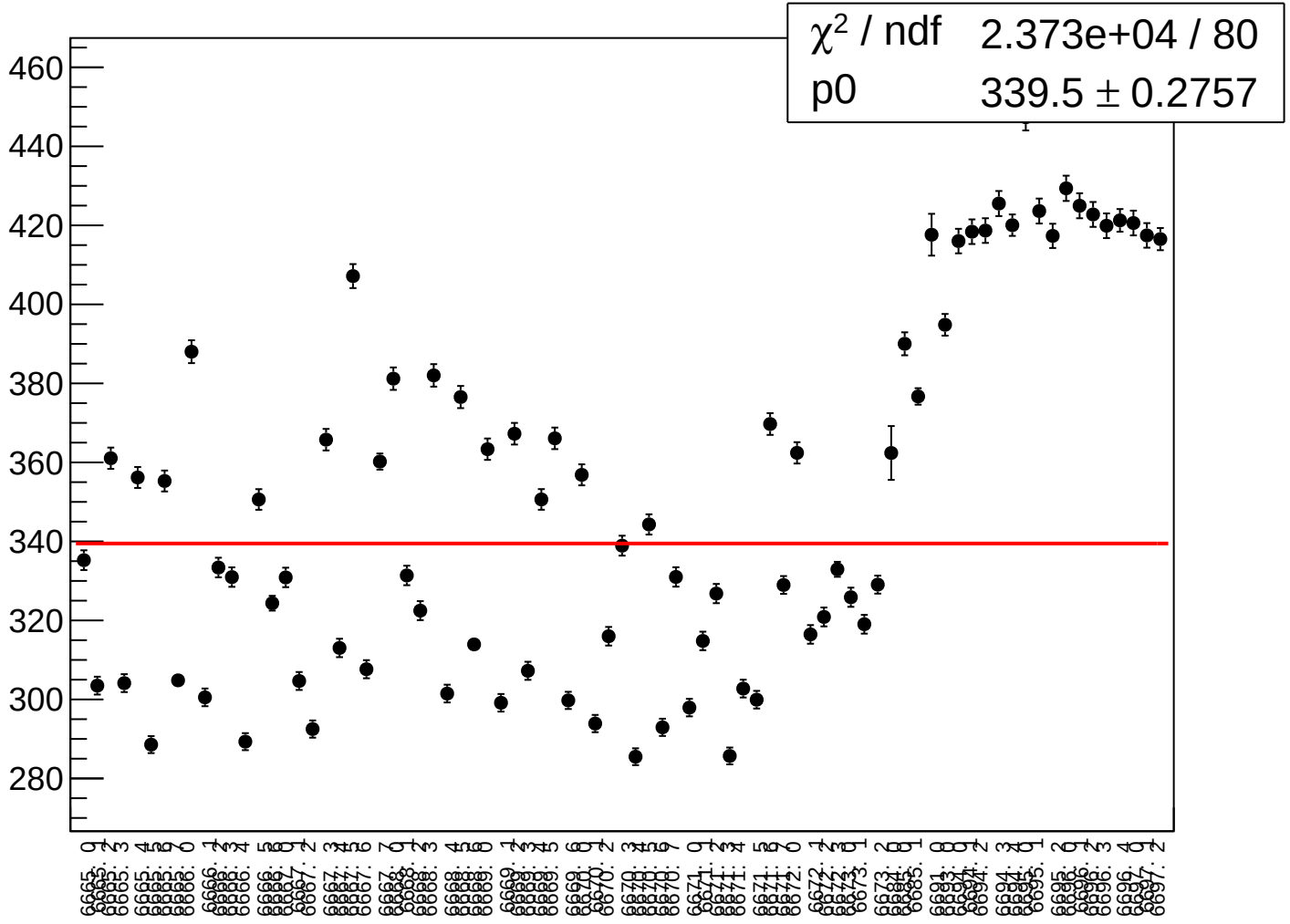


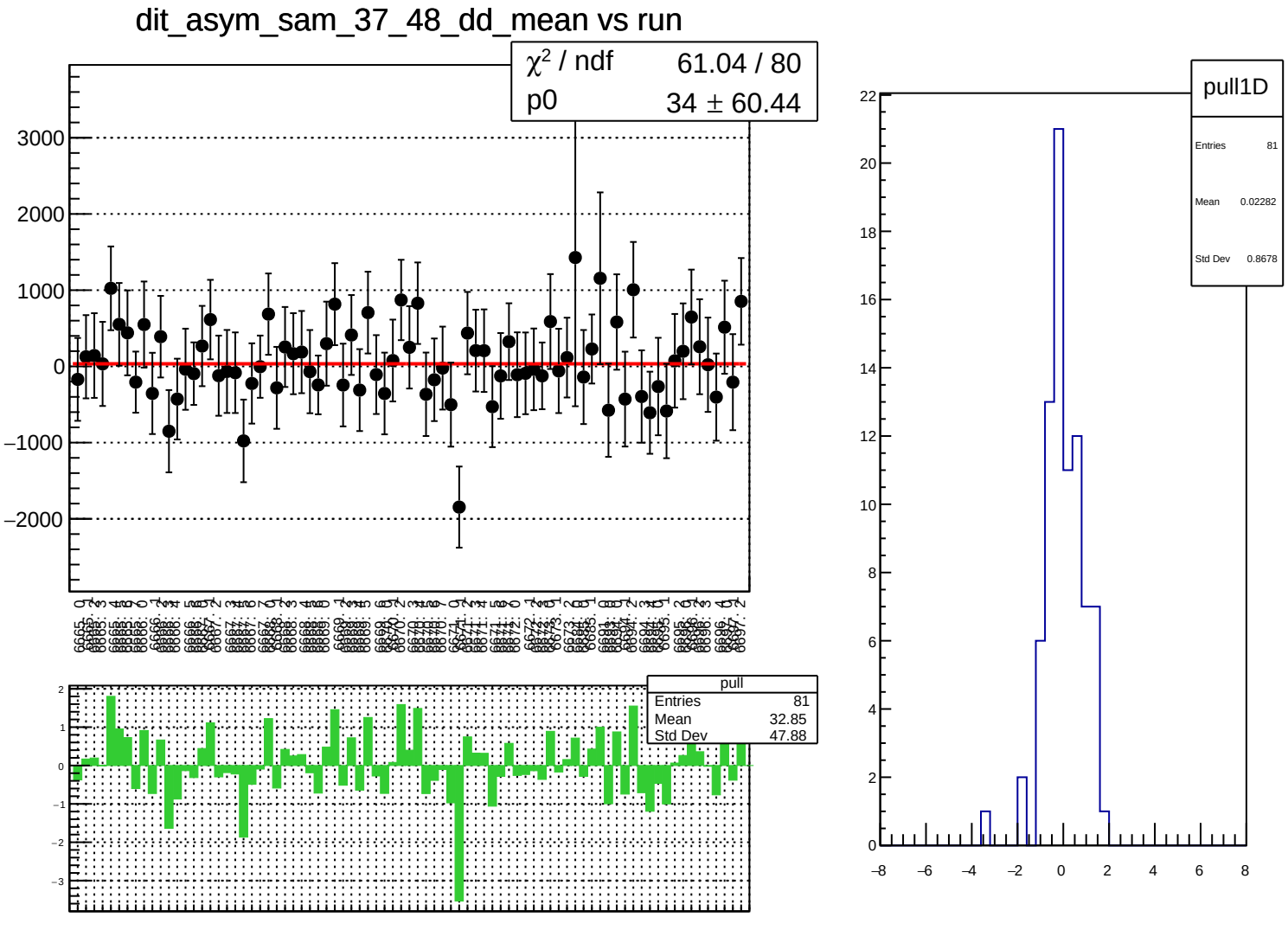

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 74.98 / 80
p0 307.9 ± 382
pull
Entries 81
Mean 118.9
Std Dev 36.42
pull1D
Entries 81
Mean 0.01764
Std Dev 0.962

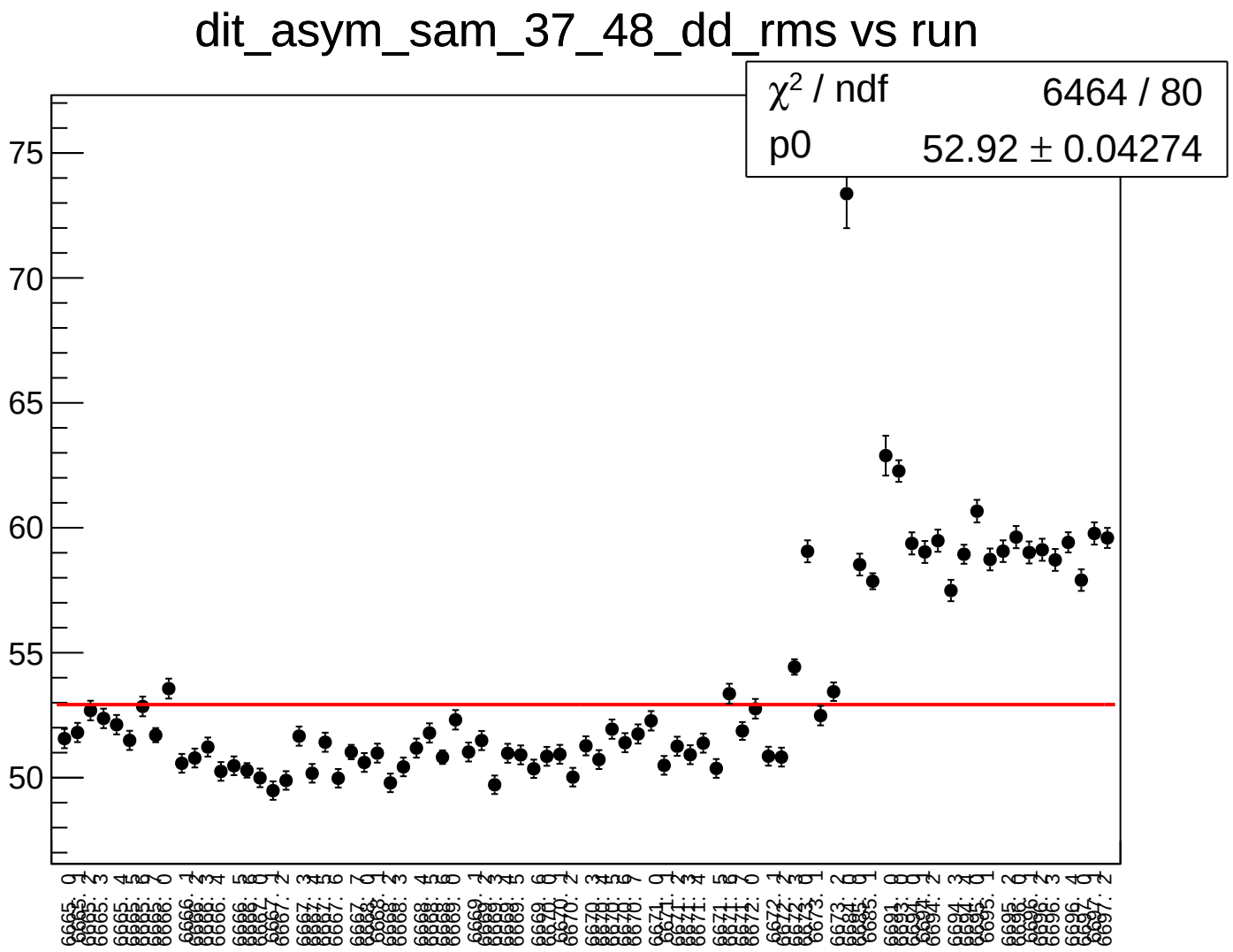

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.801e+04 / 80
p0 333.2 ± 0.2701
420
400
380
360
340
320
300
280

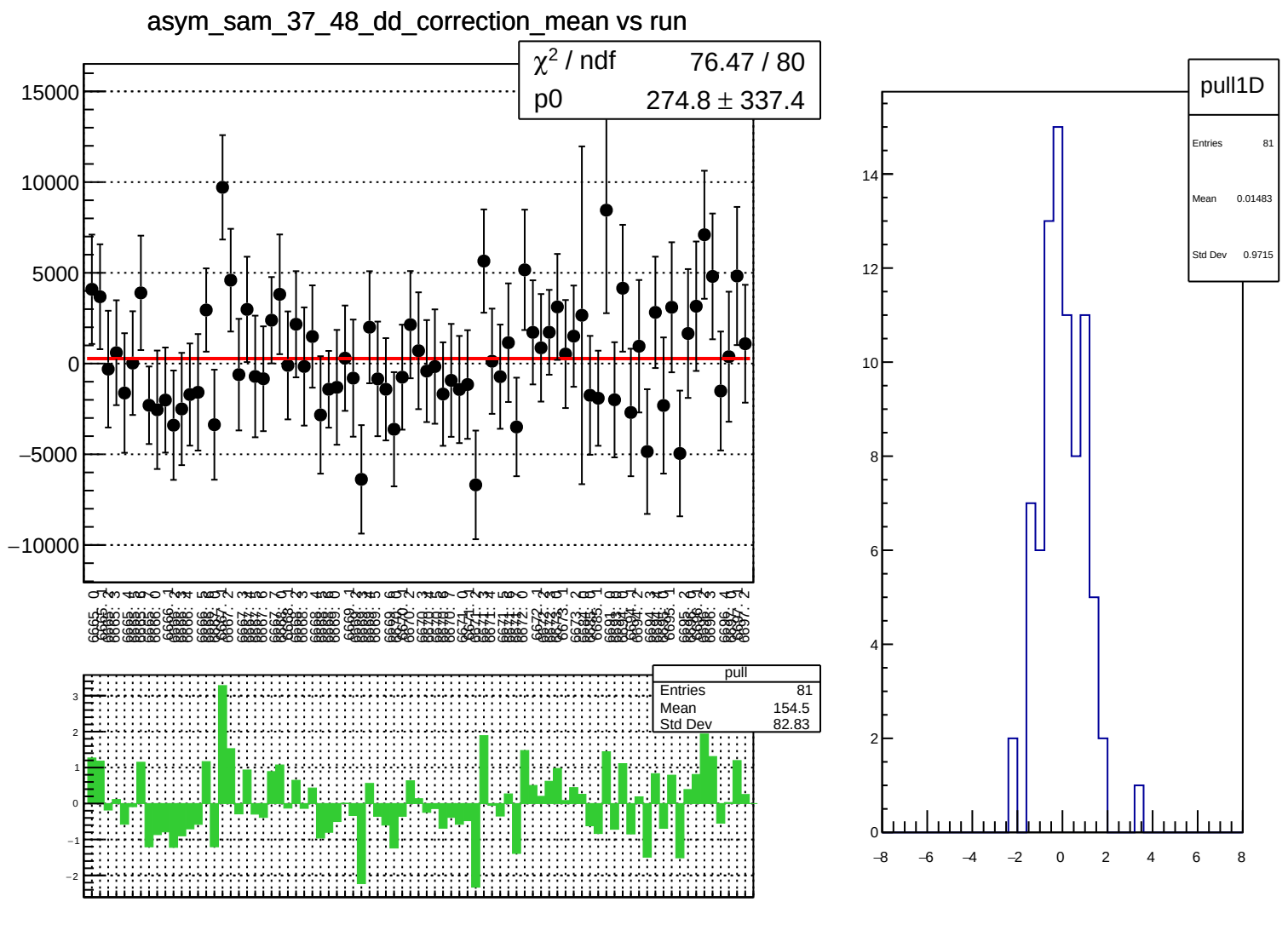

asym_sam_15_48_dd_mean vs run
χ² / ndf 78.13 / 80
p0 −363.5 ± 389.9
pull
Entries 81
Mean 116.1
Std Dev 33.56
pull1D
Entries 81
Mean −0.0178
Std Dev 0.982

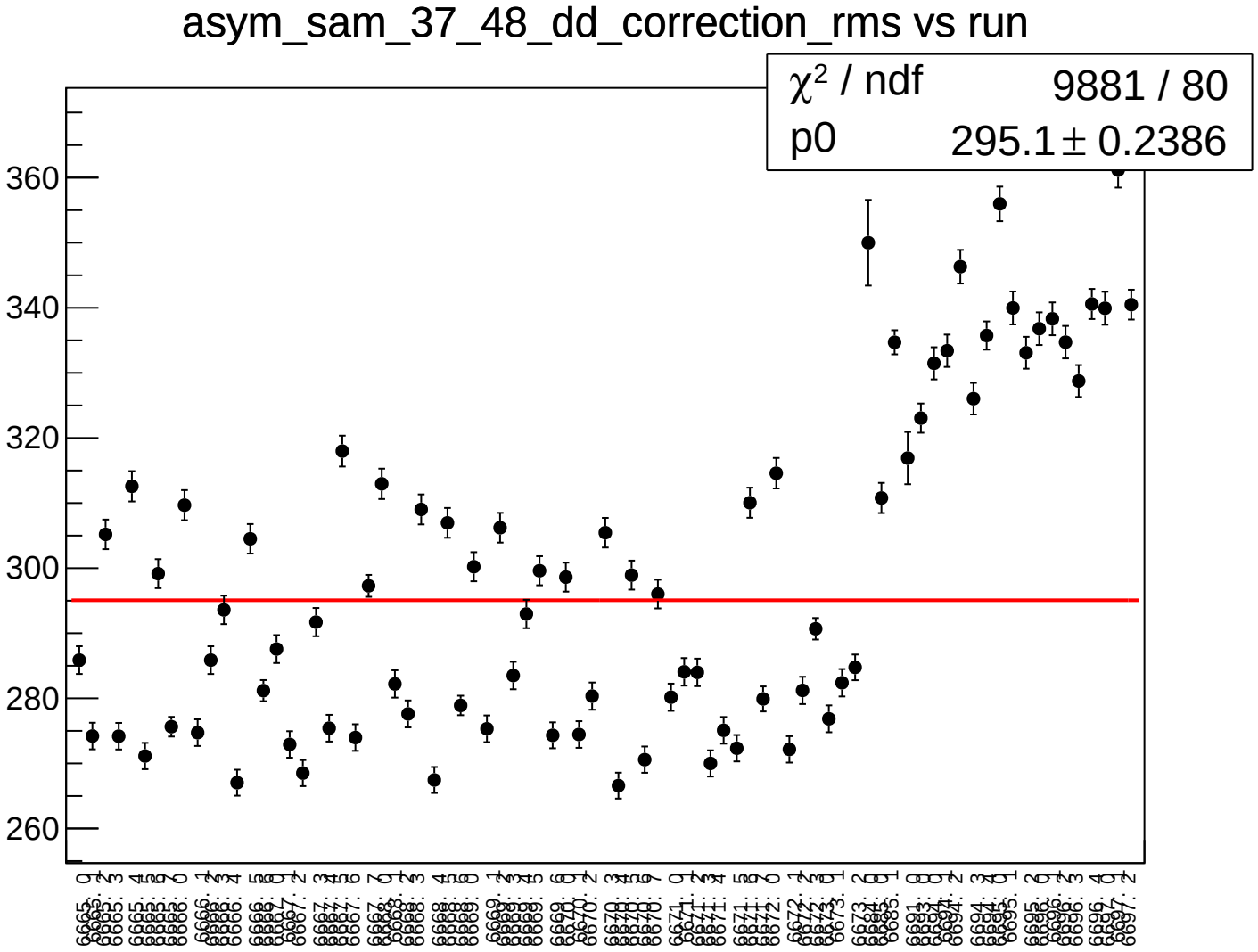
asym_sam_15_48_dd_rms vs run

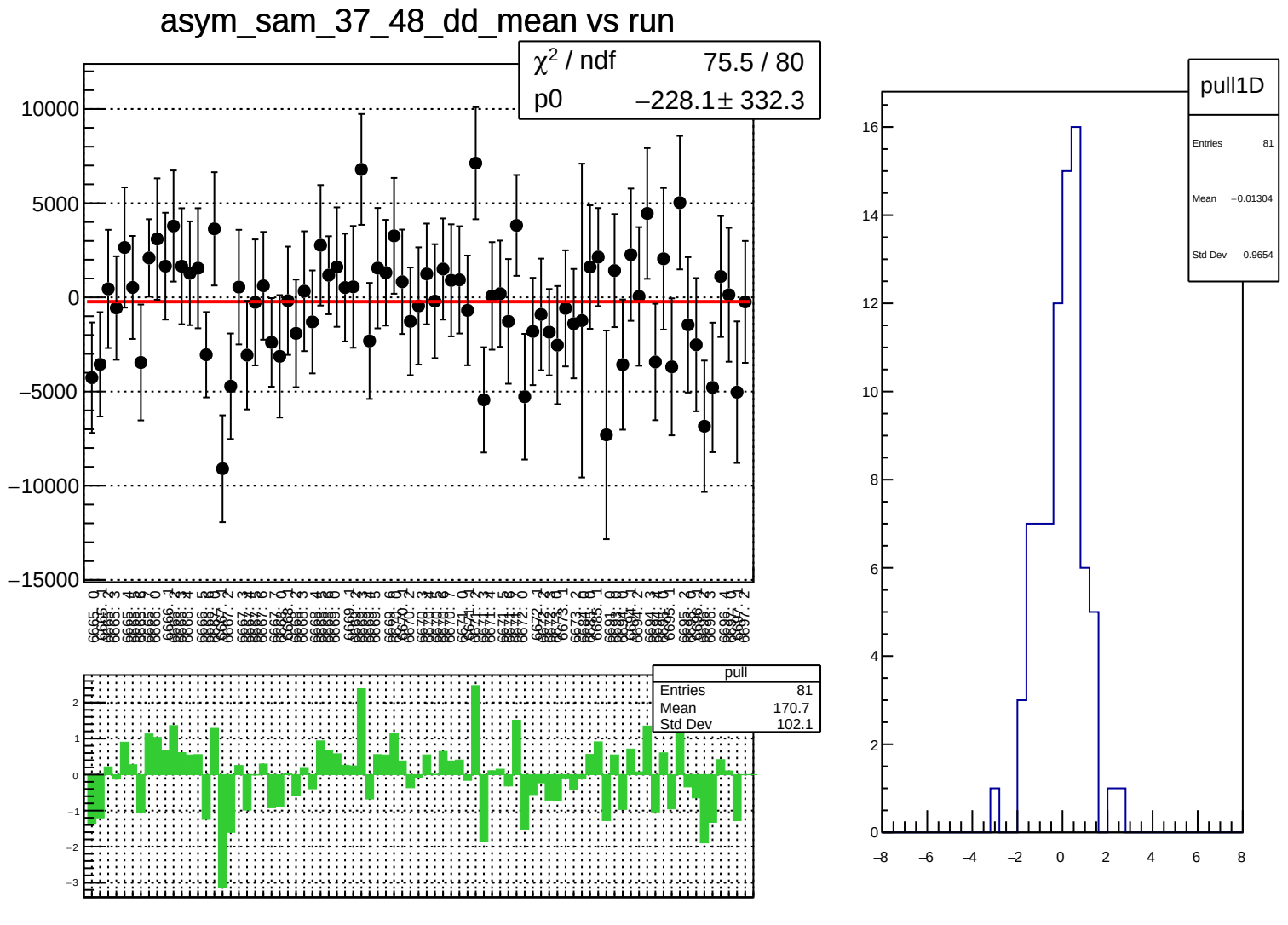



dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 61.04 / 80
p0 34 ± 60.44
pull
Entries 81
Mean 32.85
Std Dev 47.88
pull1D
Entries 81
Mean 0.02282
Std Dev 0.8678

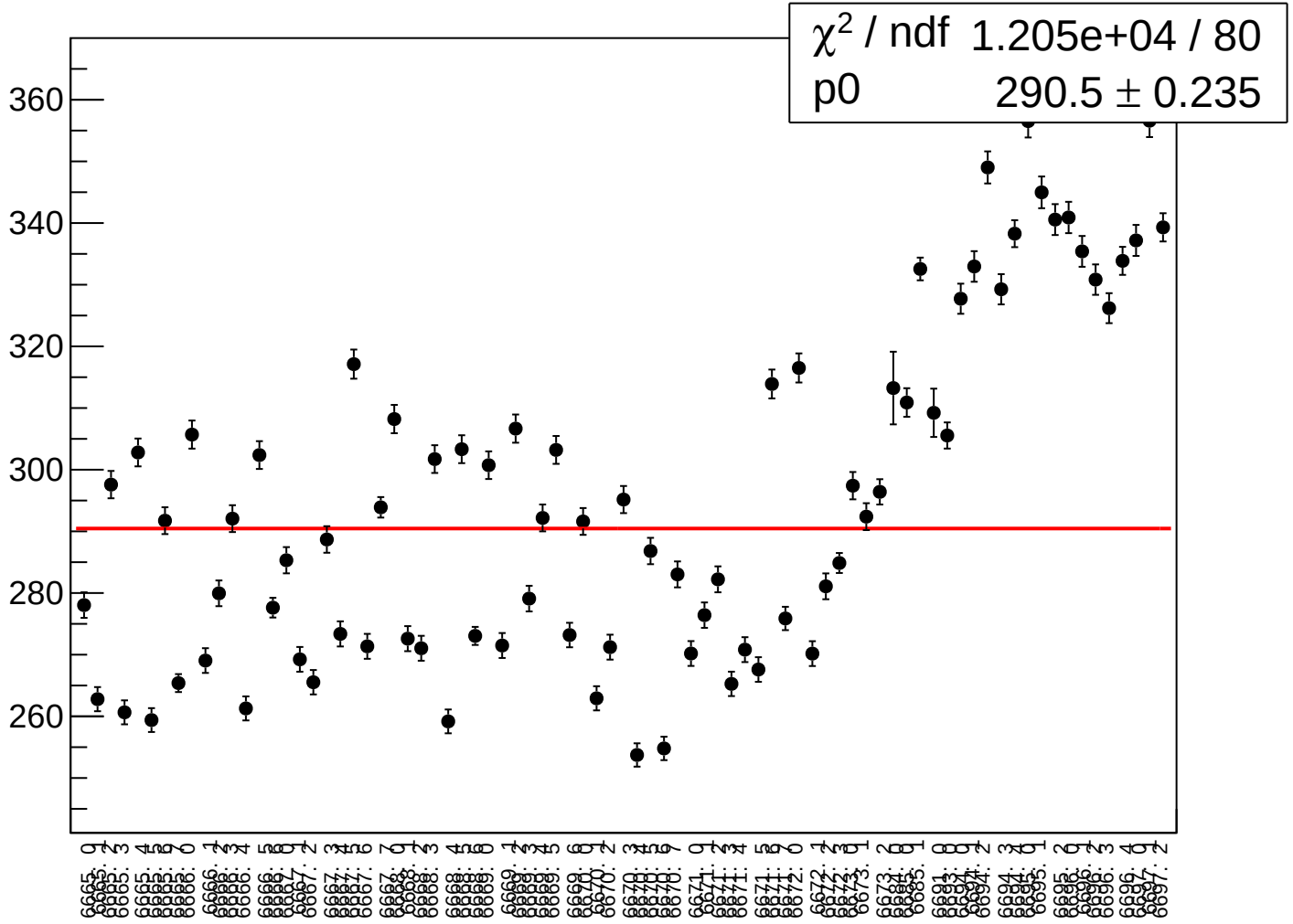

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 6464 / 80
p0 52.92 ± 0.04274
75
70
65
60
55
50

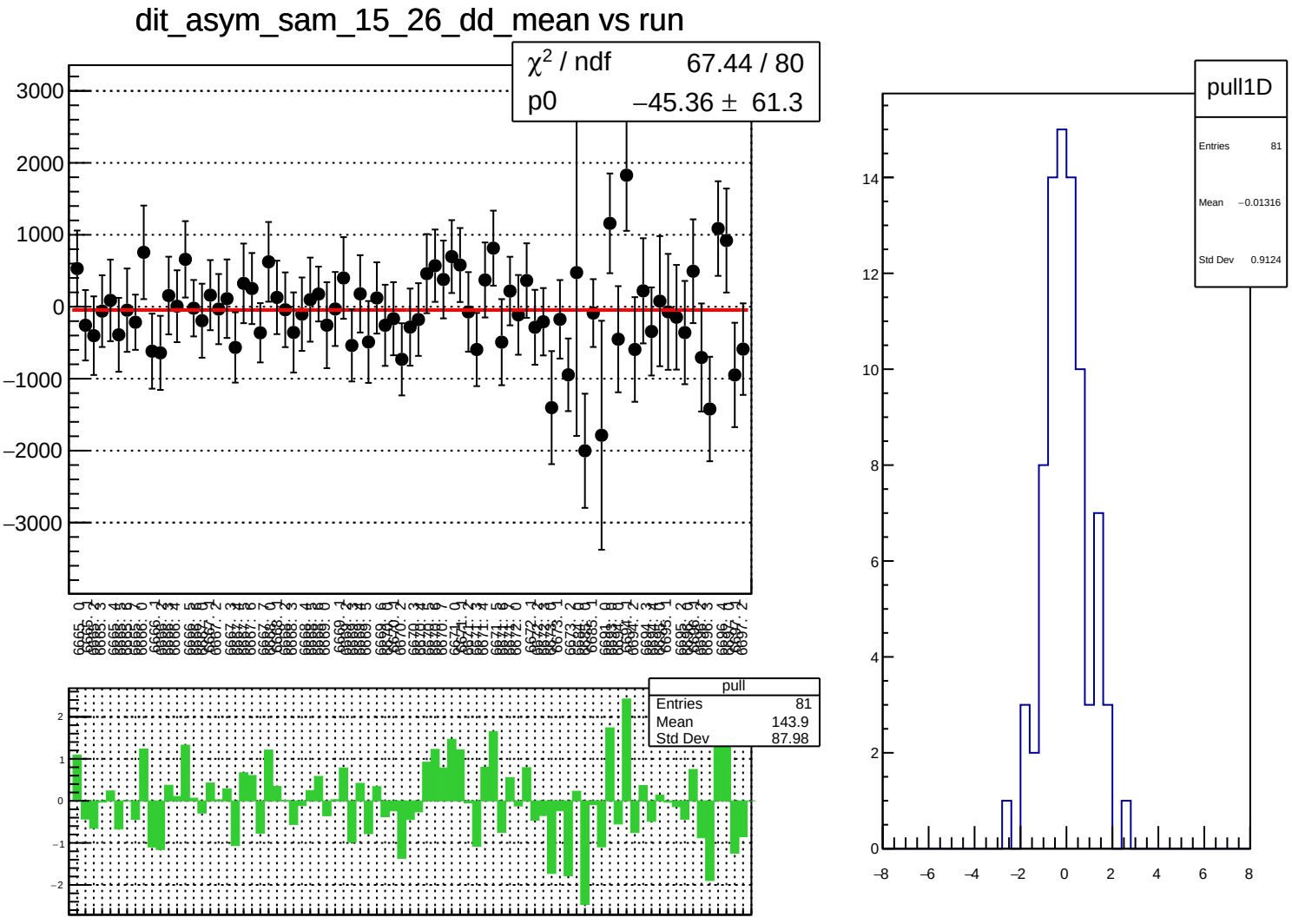

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 76.47 / 80
p0 274.8 ± 337.4
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 154.5
Std Dev 82.83
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01483
Std Dev 0.9715
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 9881 / 80
p0 295.1 ± 0.2386
360
340
320
300
280
260

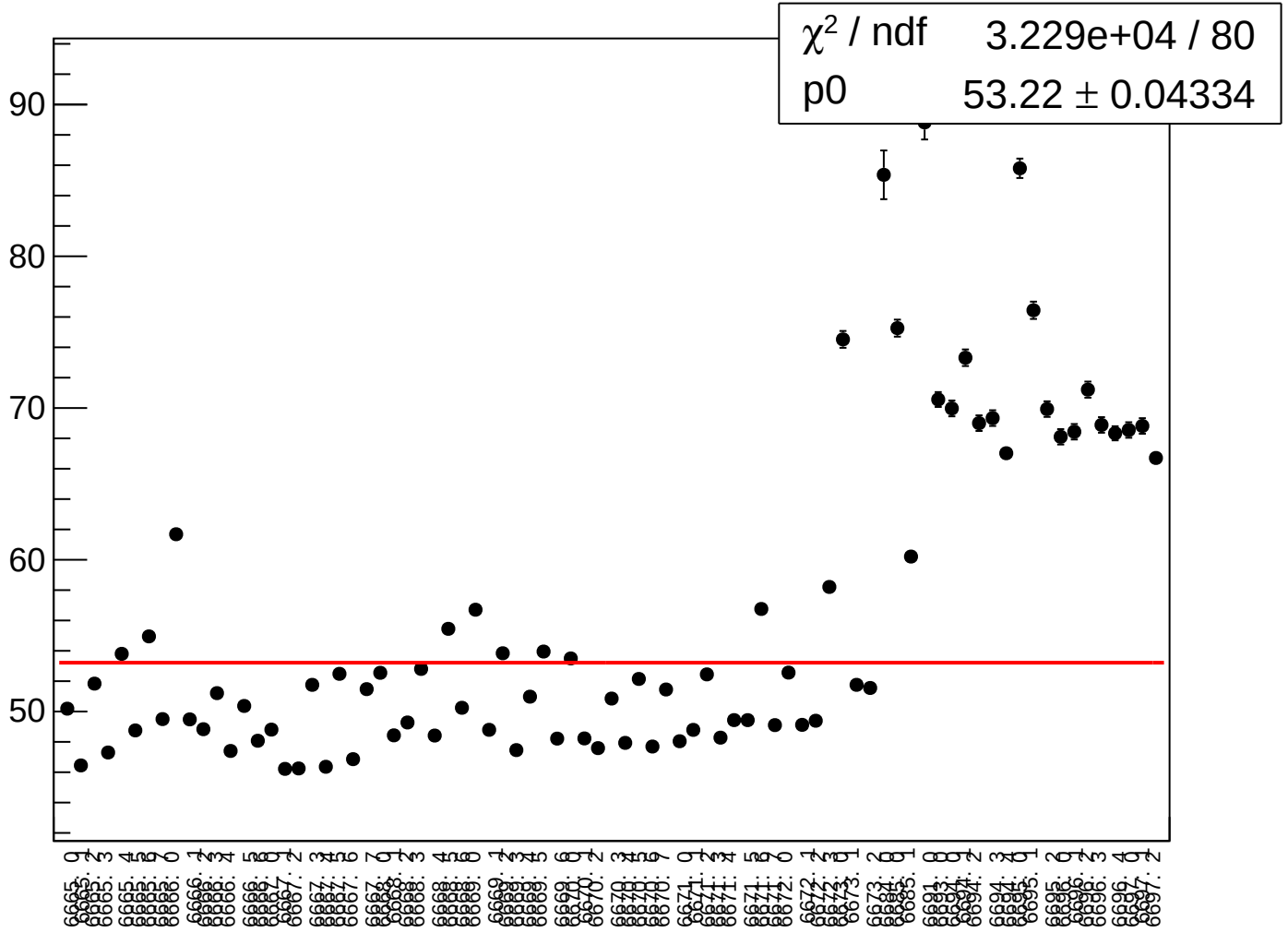

asym_sam_37_48_dd_mean vs run
χ² / ndf 75.5 / 80
p0 −228.1 ± 332.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 170.7
Std Dev 102.1
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01304
Std Dev 0.9654
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

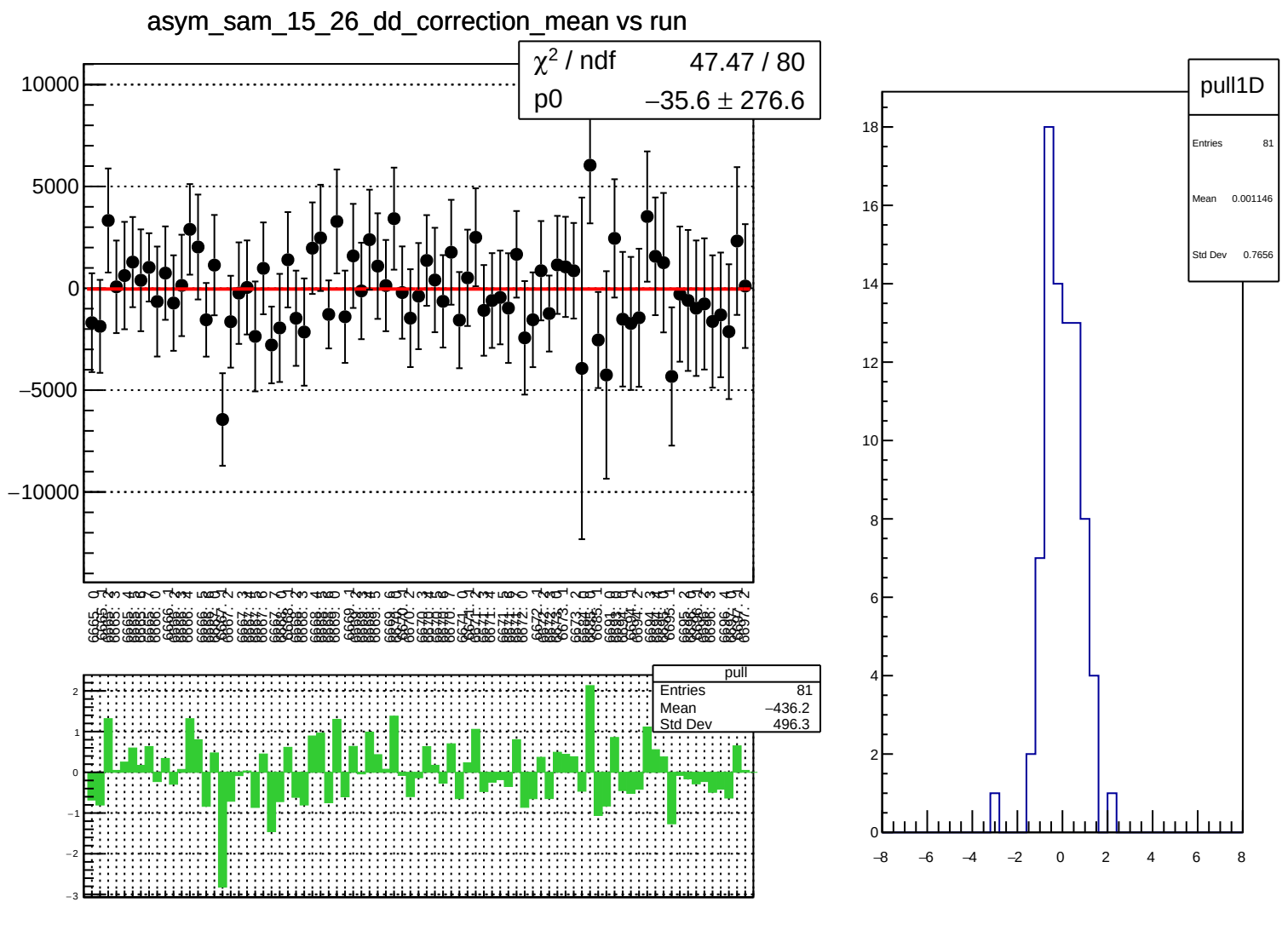
asym_sam_37_48_dd_rms vs run

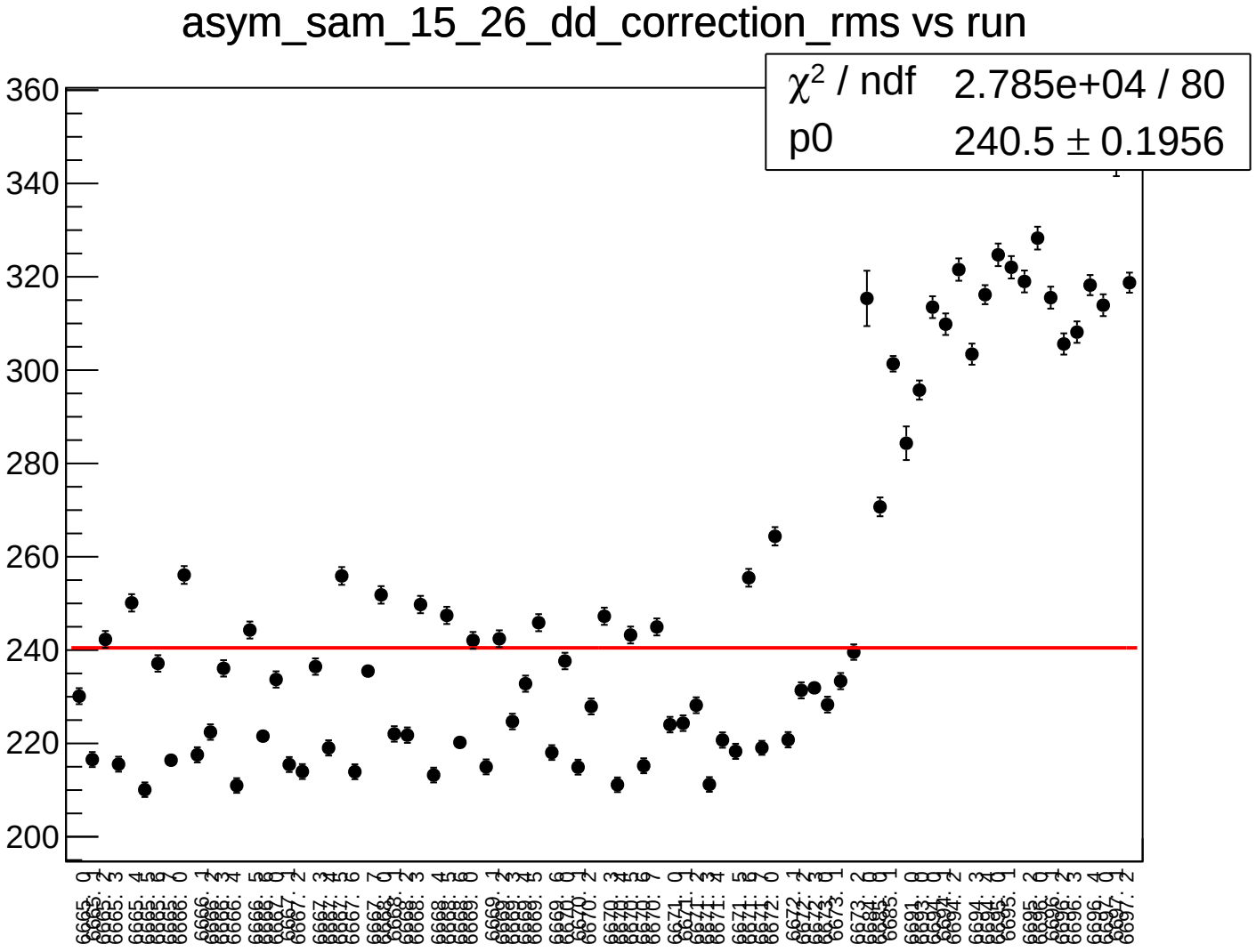


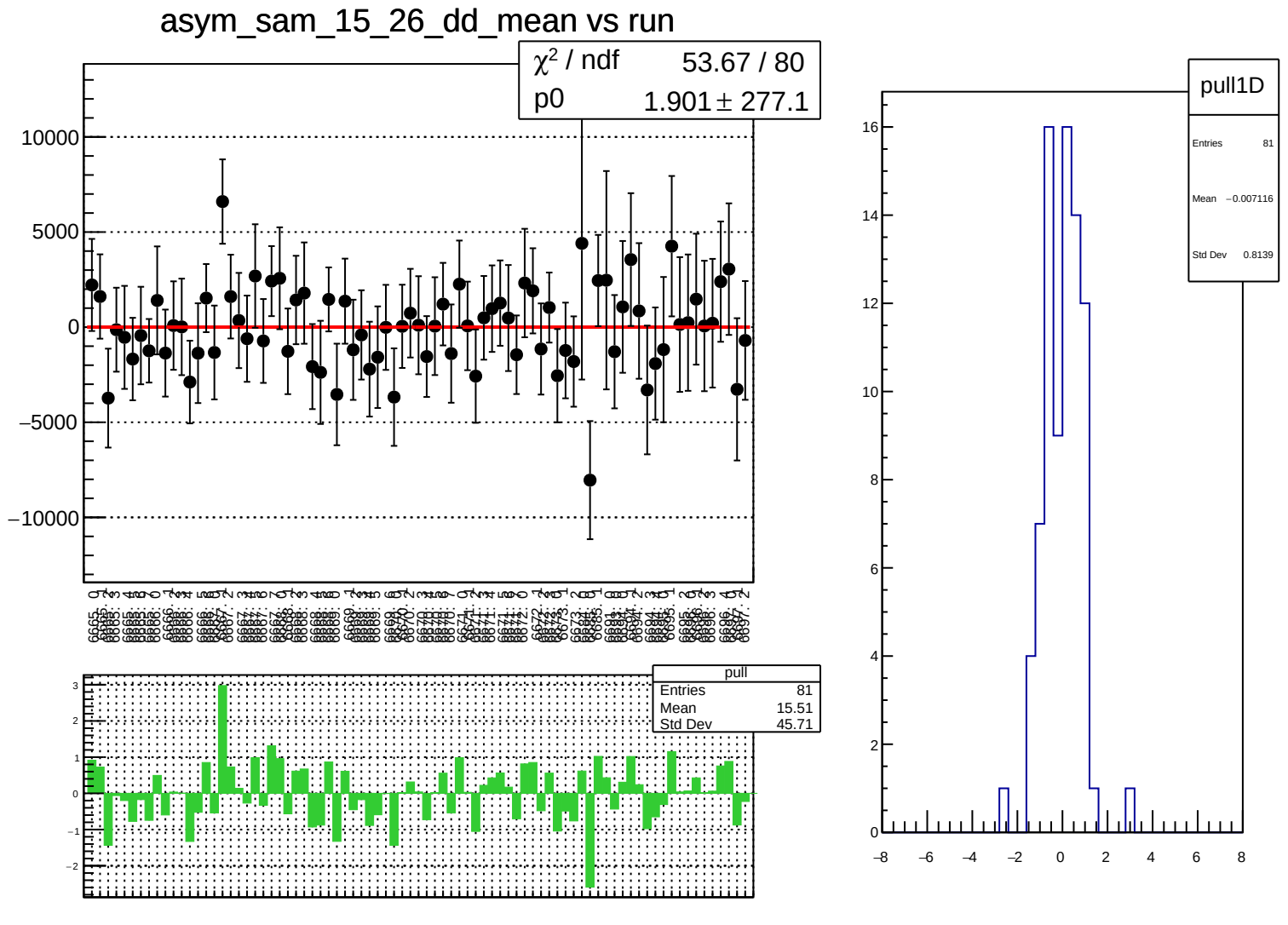

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 67.44 / 80
p0 −45.36 ± 61.3
pull
Entries 81
Mean 143.9
Std Dev 87.98
pull1D
Entries 81
Mean −0.01316
Std Dev 0.9124

dit_asym_sam_15_26_dd_rms vs run

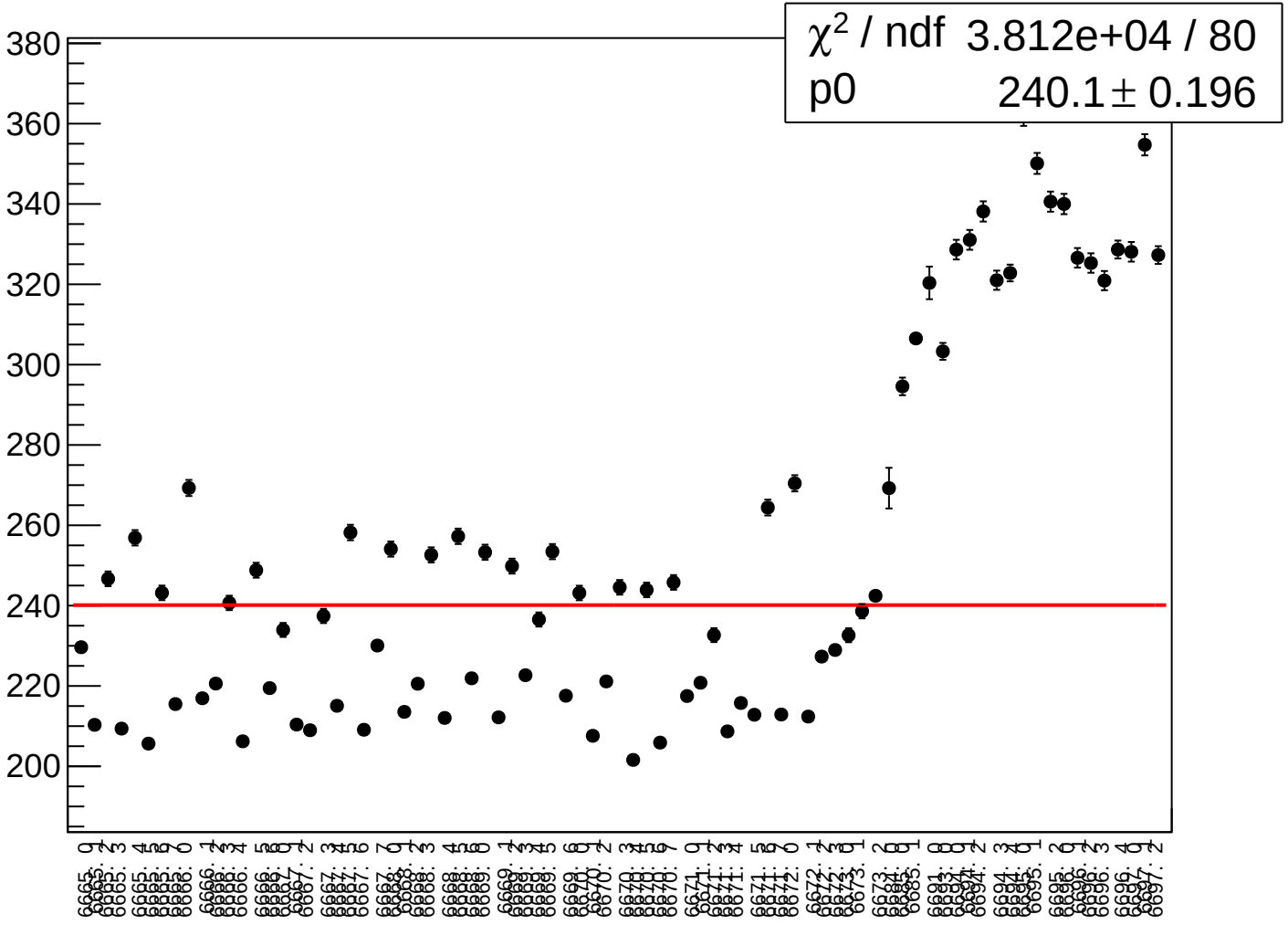


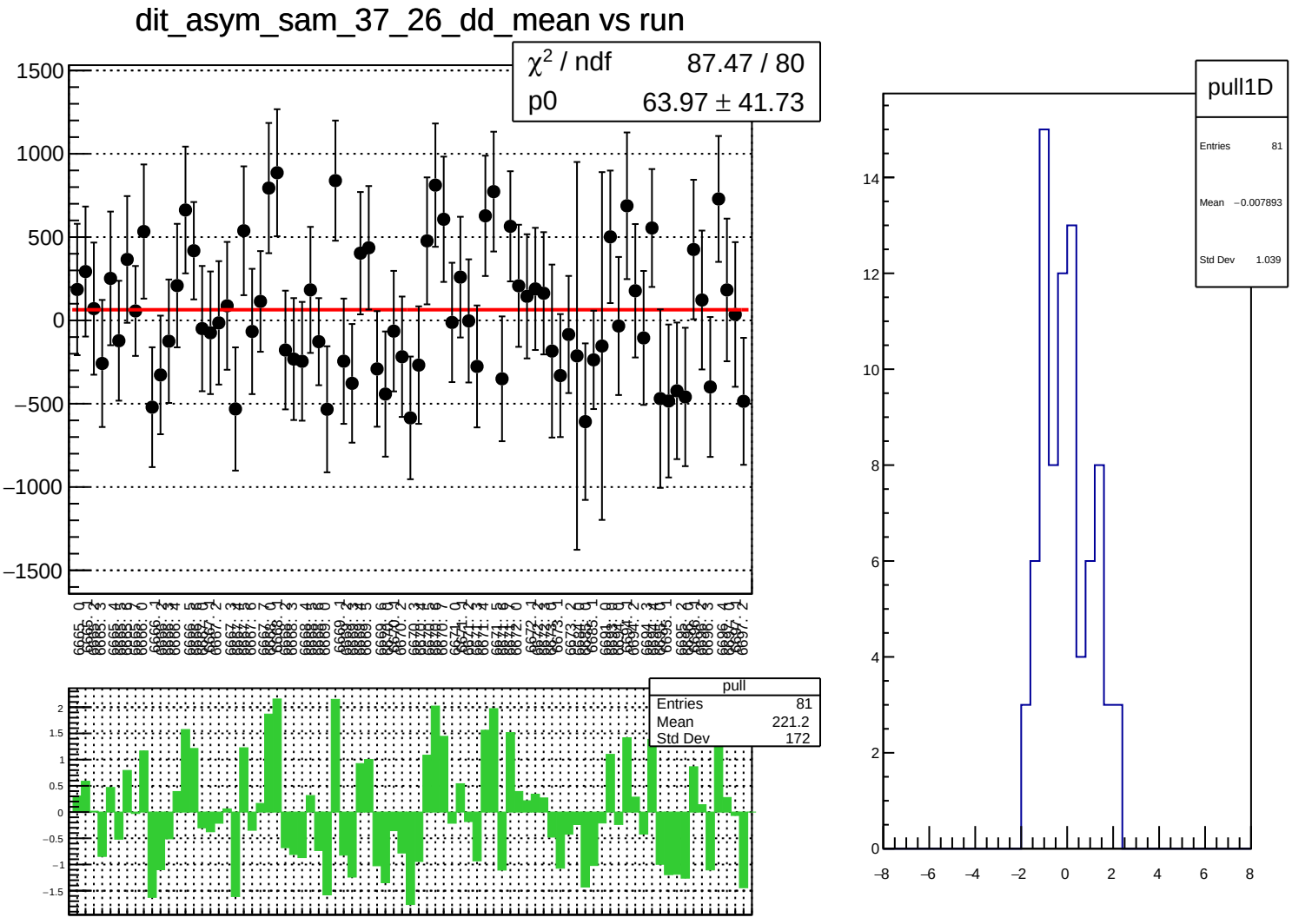

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 47.47 / 80
p0 −35.6 ± 276.6
pull
Entries 81
Mean −436.2
Std Dev 496.3
pull1D
Entries 81
Mean 0.001146
Std Dev 0.7656


asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2.785e+04 / 80
p0 240.5 ± 0.1956
360
340
320
300
280
260
240
220
200

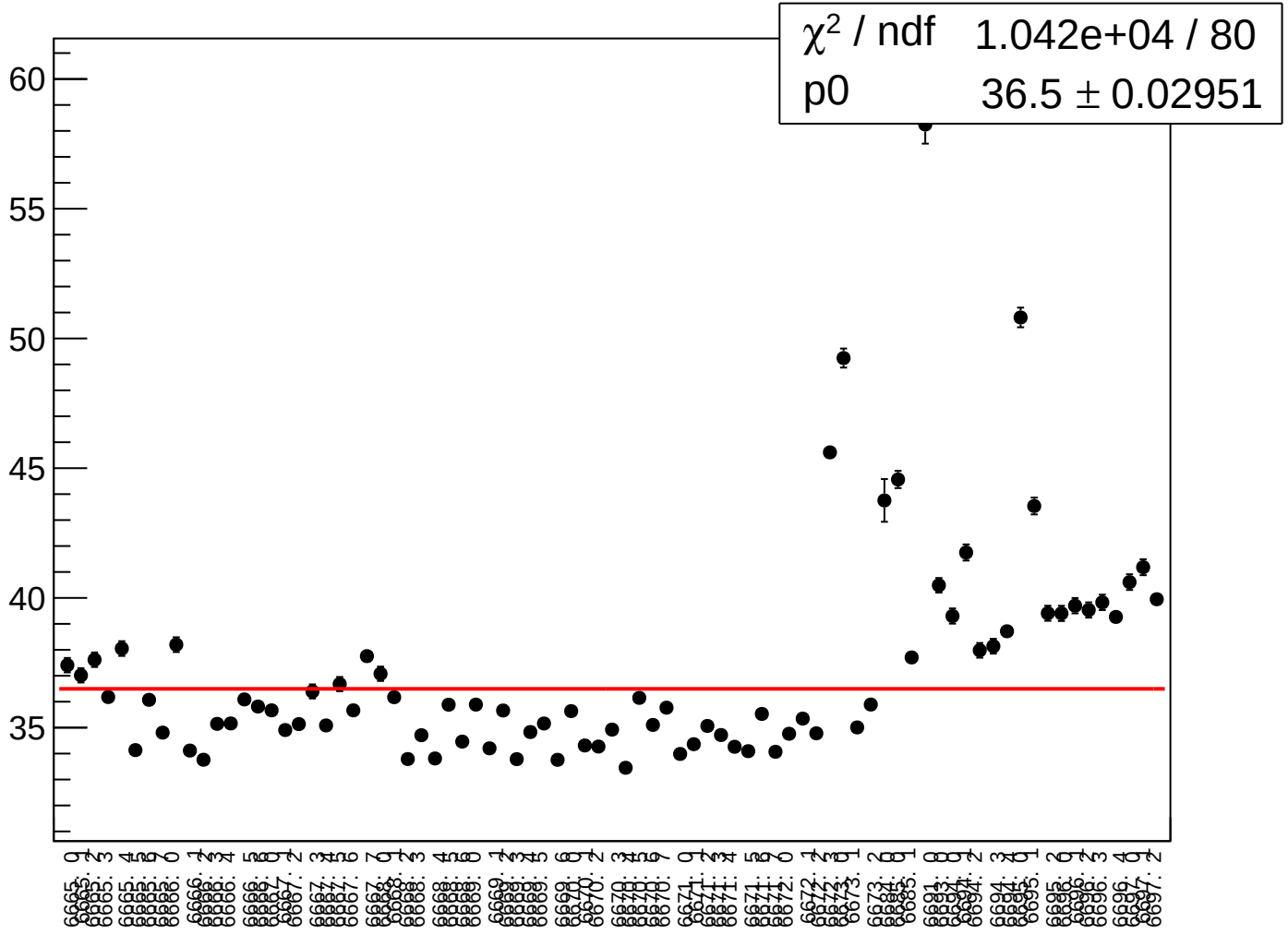

asym_sam_15_26_dd_mean vs run
χ² / ndf 53.67 / 80
p0 1.901 ± 277.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 15.51
Std Dev 45.71
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.007116
Std Dev 0.8139
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

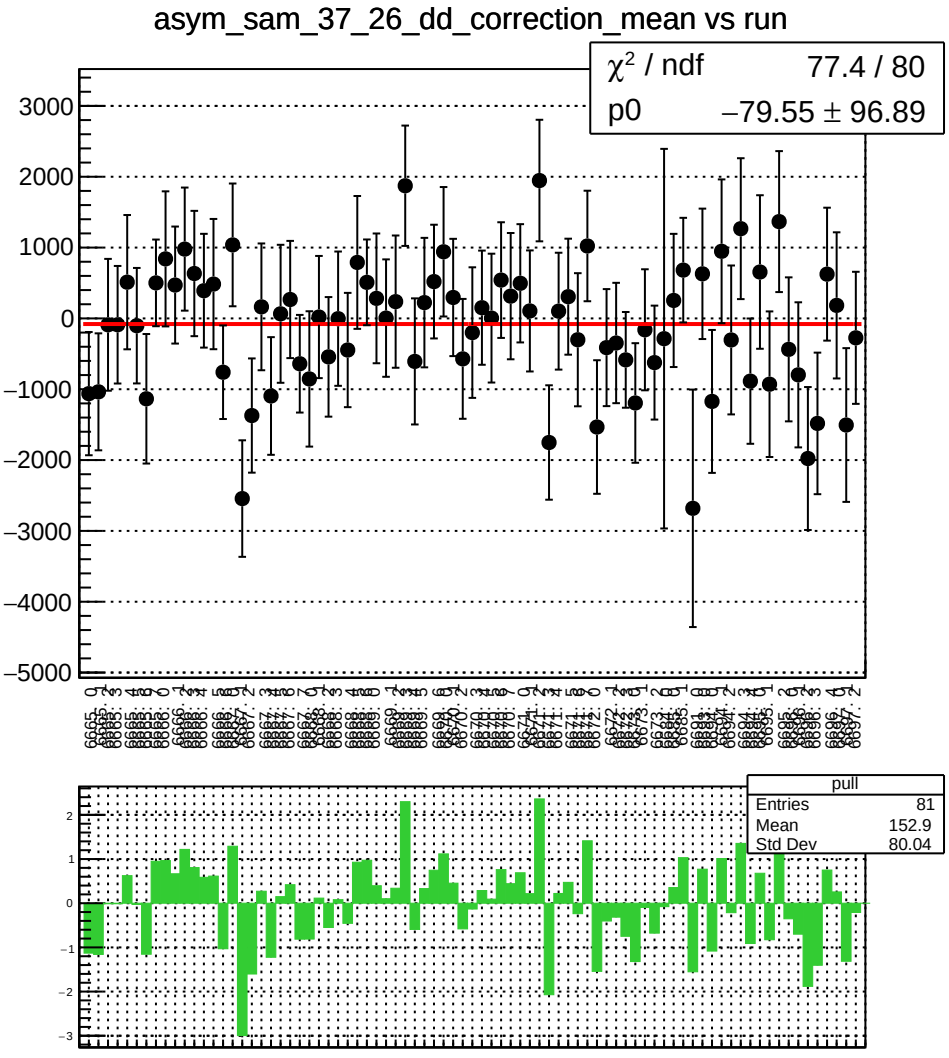
asym_sam_15_26_dd_rms vs run

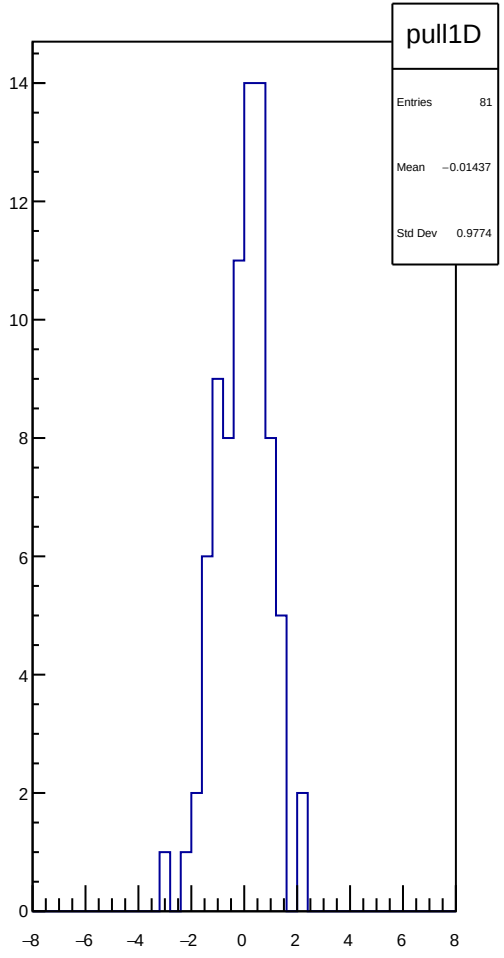


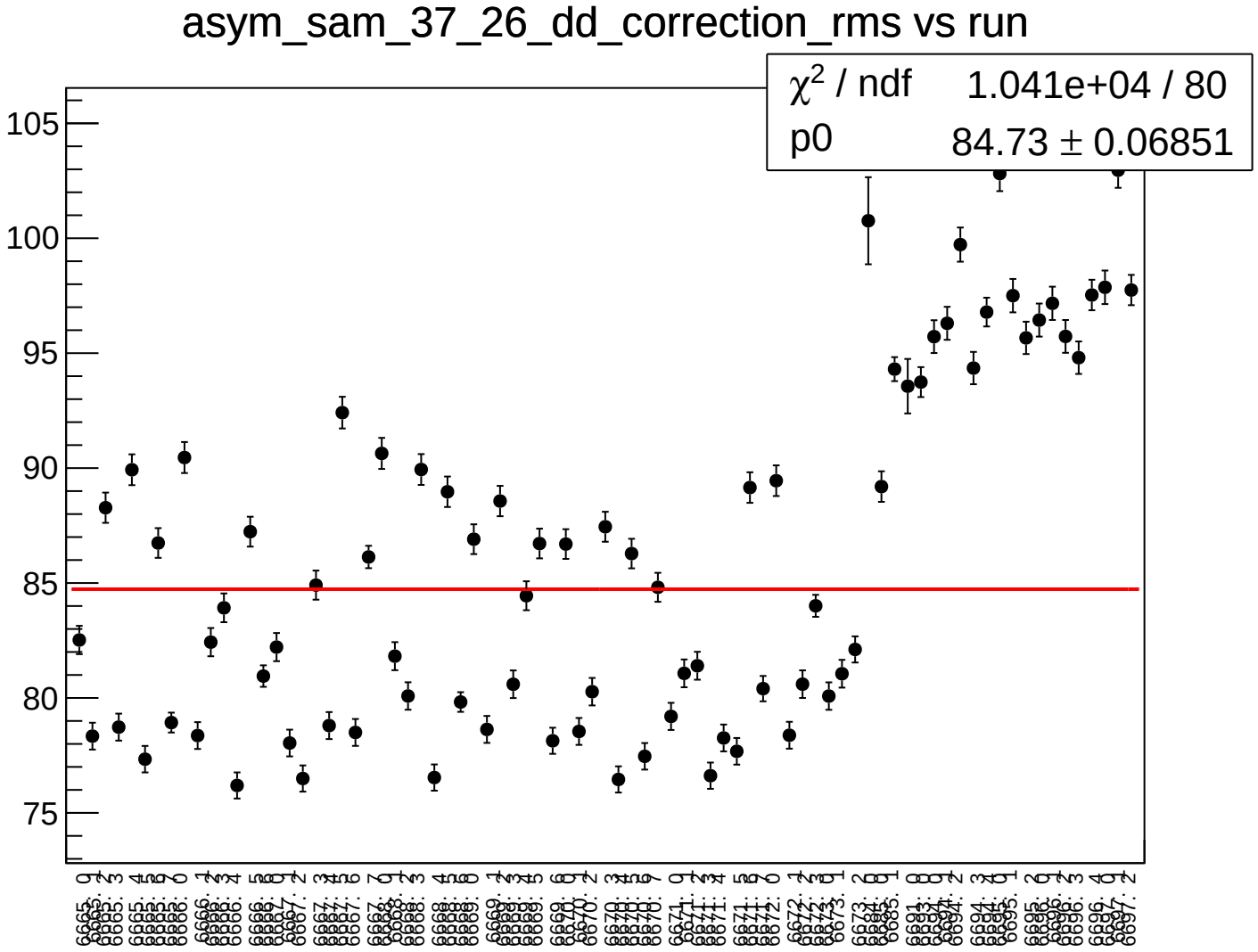

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 87.47 / 80
p0 63.97 ± 41.73
pull
Entries 81
Mean 221.2
Std Dev 172
pull1D
Entries 81
Mean −0.007893
Std Dev 1.039

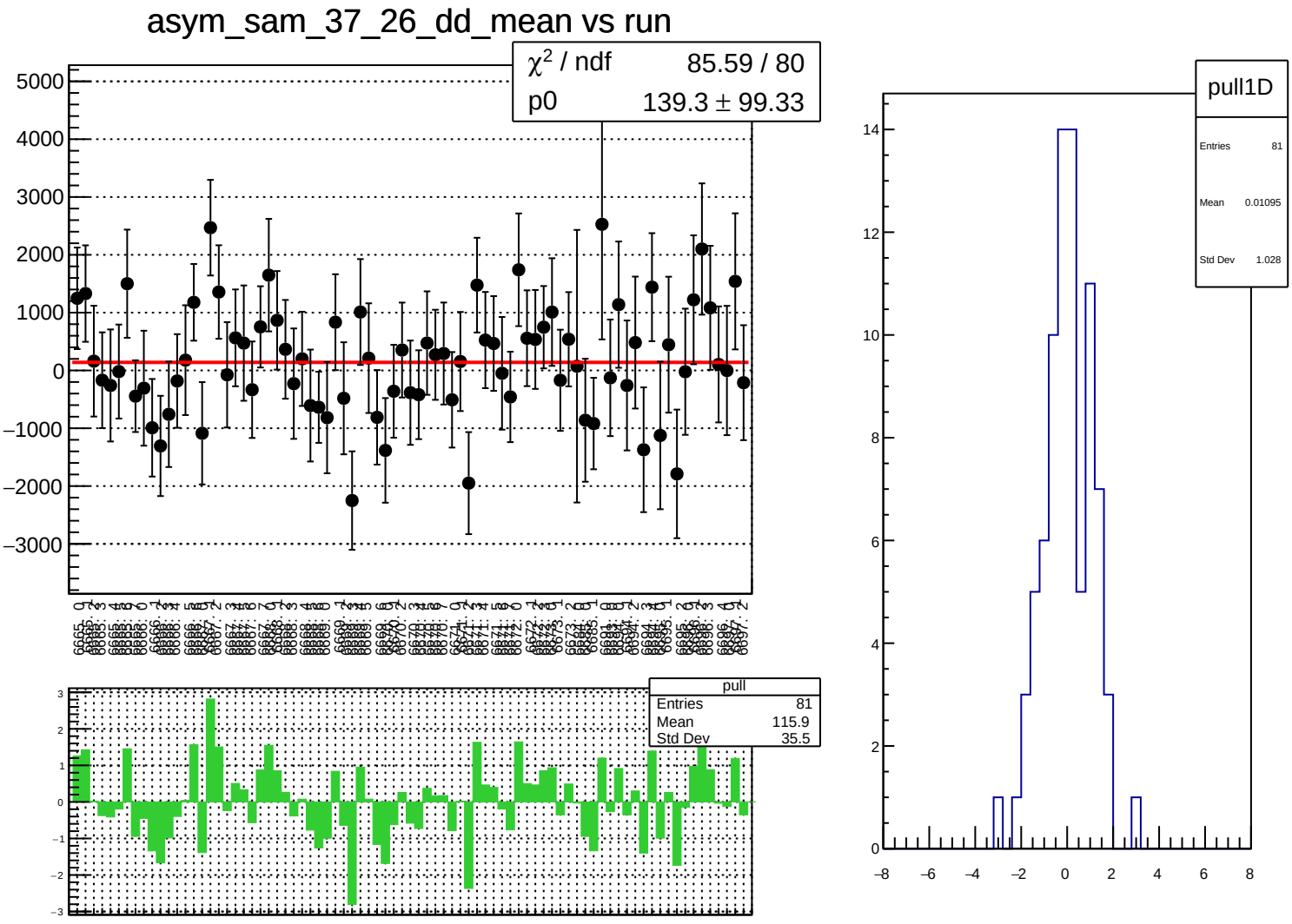
dit_asym_sam_37_26_dd_rms vs run



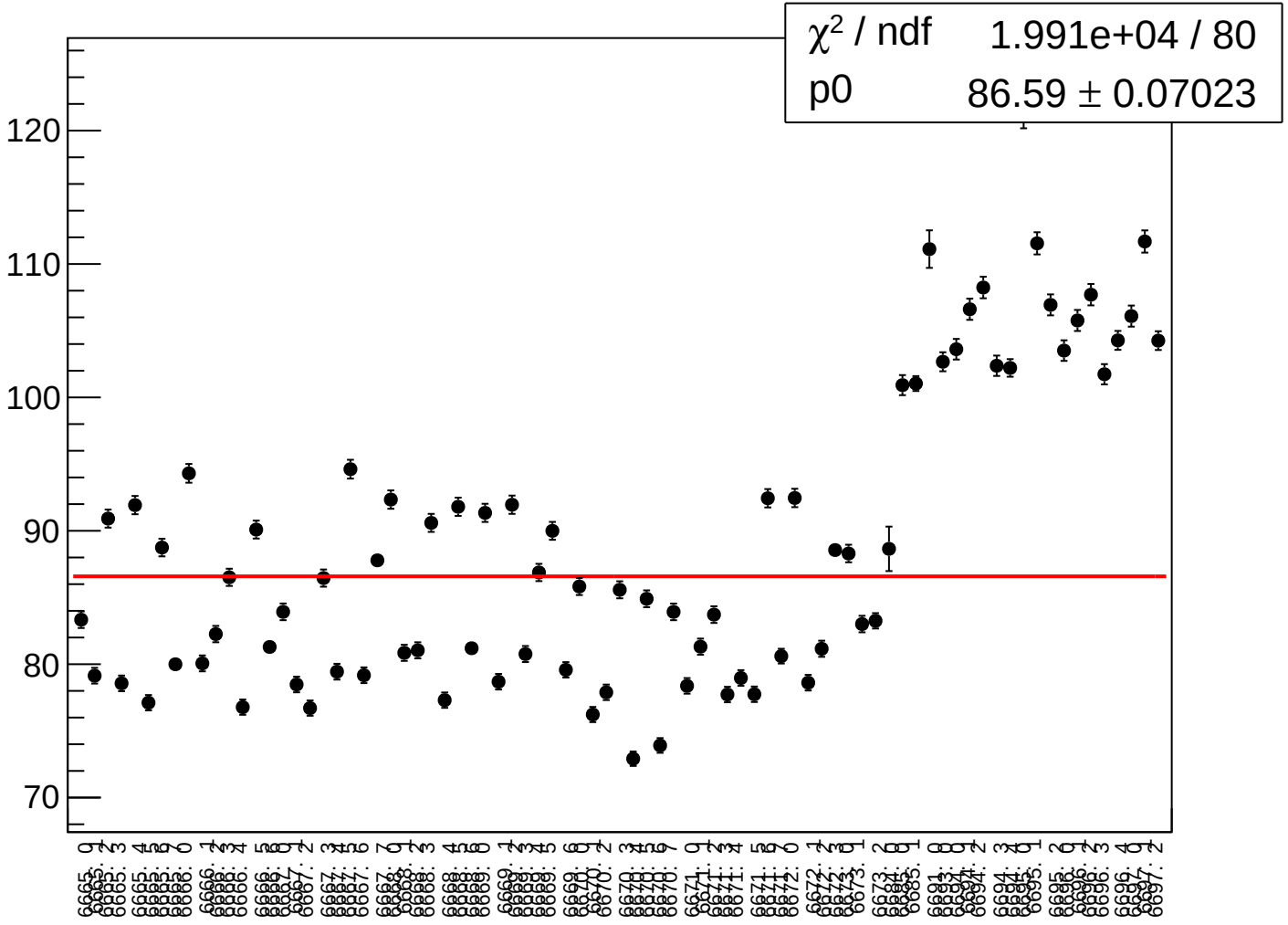

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 77.4 / 80
p0 −79.55 ± 96.89
pull
Entries 81
Mean 152.9
Std Dev 80.04

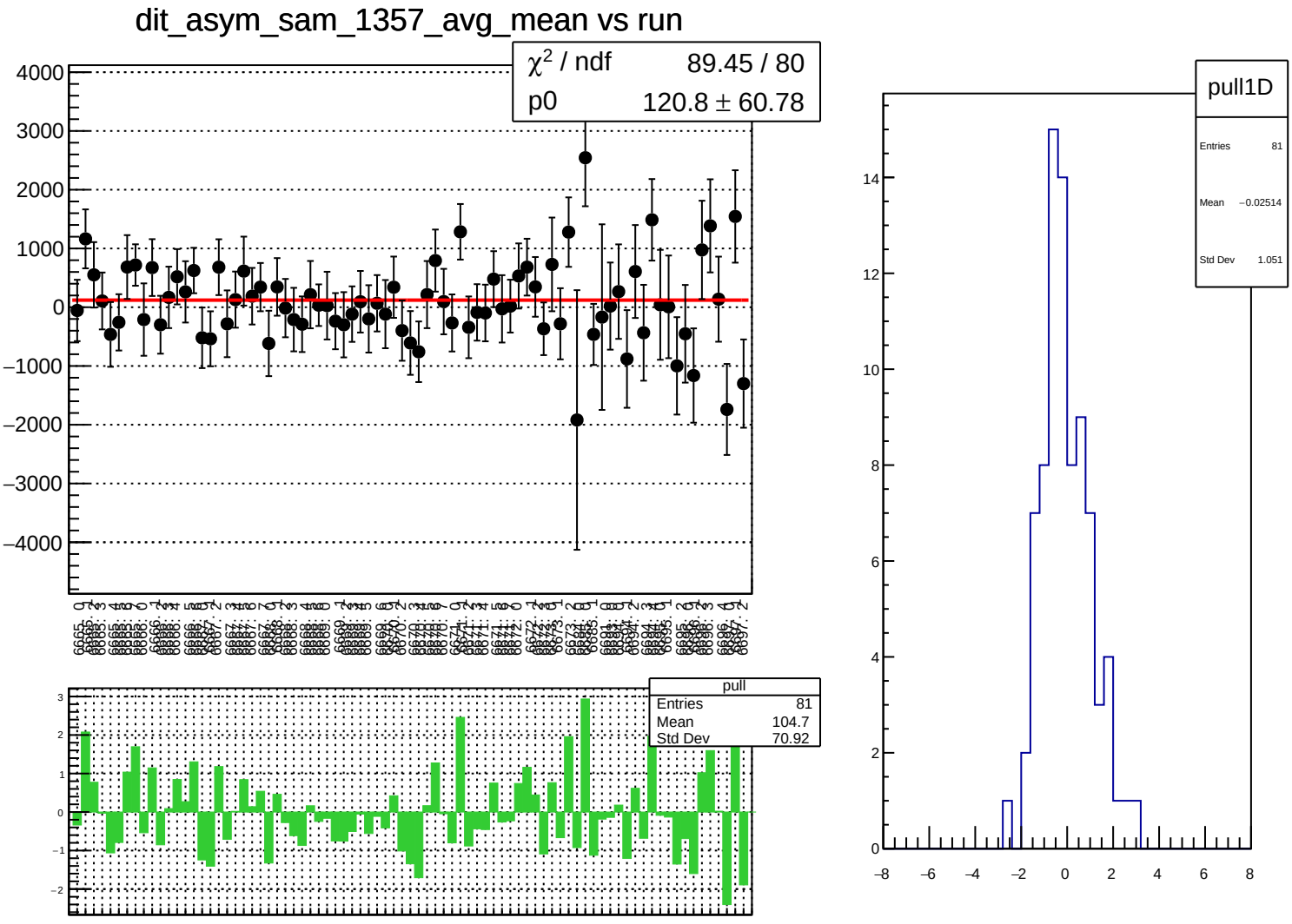

pull1D
Entries 81
Mean −0.01437
Std Dev 0.9774


asym_sam_37_26_dd_correction_rms vs run
χ2 / ndf 1.041e+04 / 80
p0 84.73 ± 0.06851
105
100
95
90
85
80
75

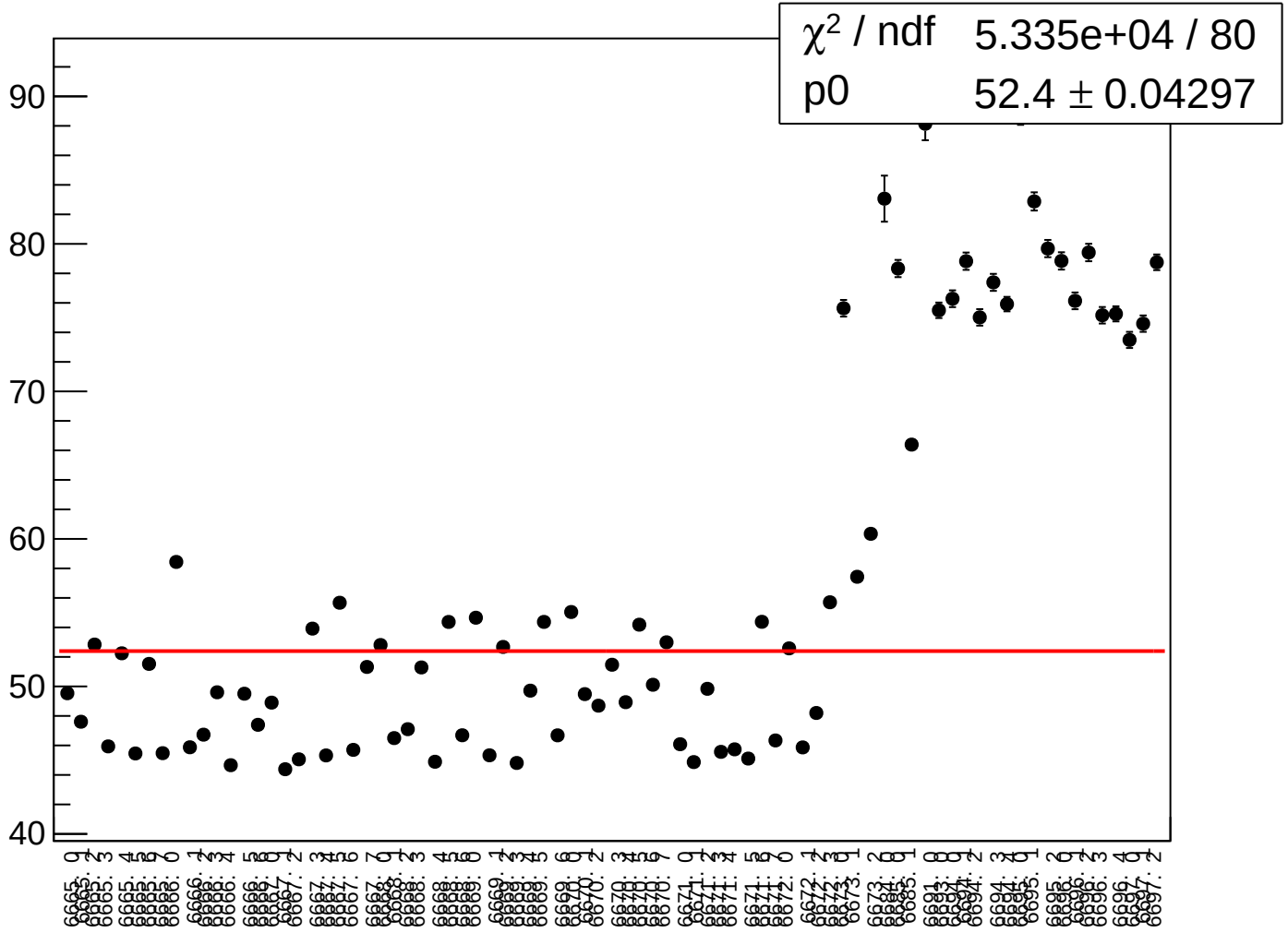

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 85.59 / 80
p0 139.3 ± 99.33
pull
Entries 81
Mean 115.9
Std Dev 35.5
pull1D
Entries 81
Mean 0.01095
Std Dev 1.028

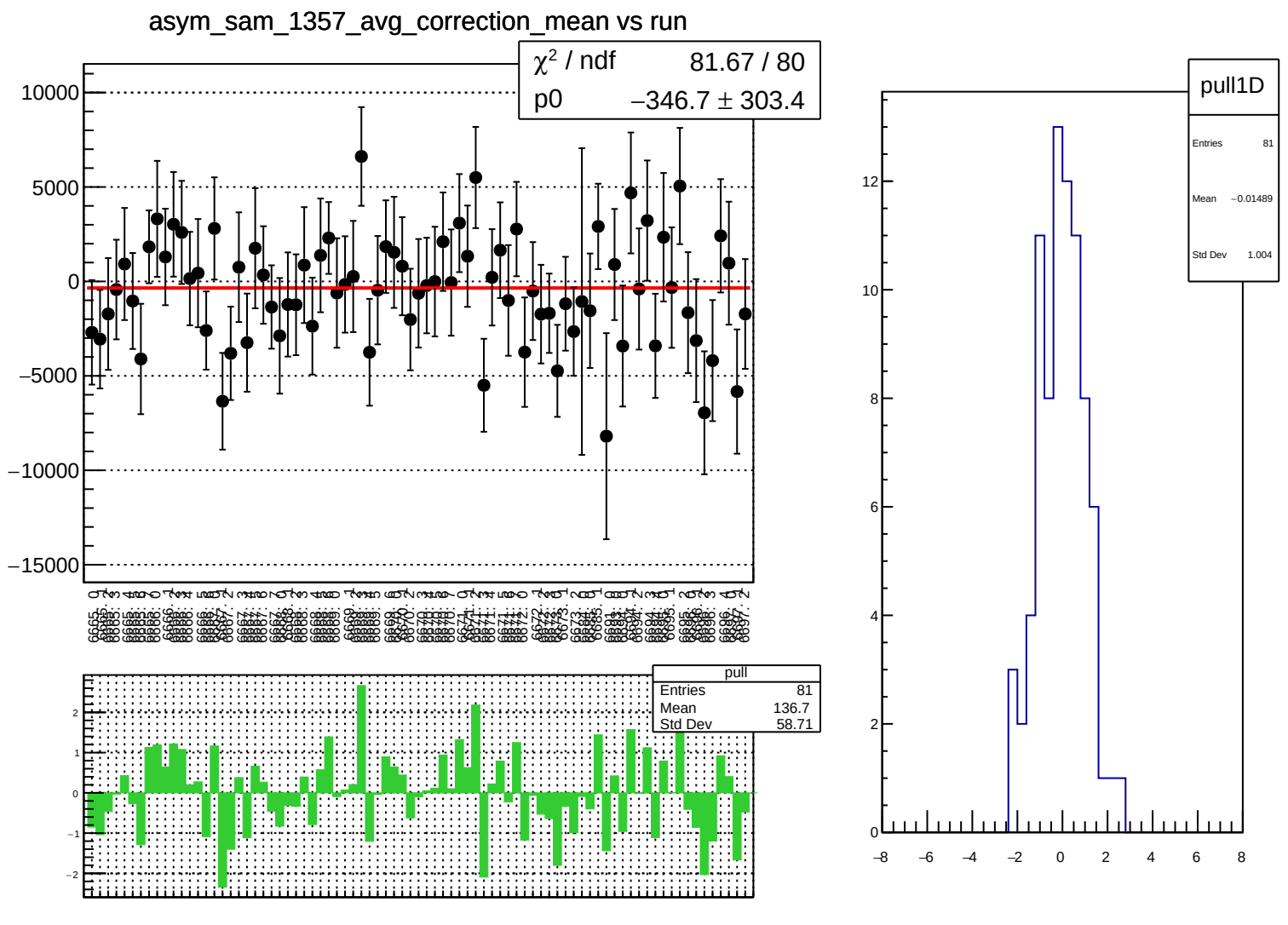
asym_sam_37_26_dd_rms vs run



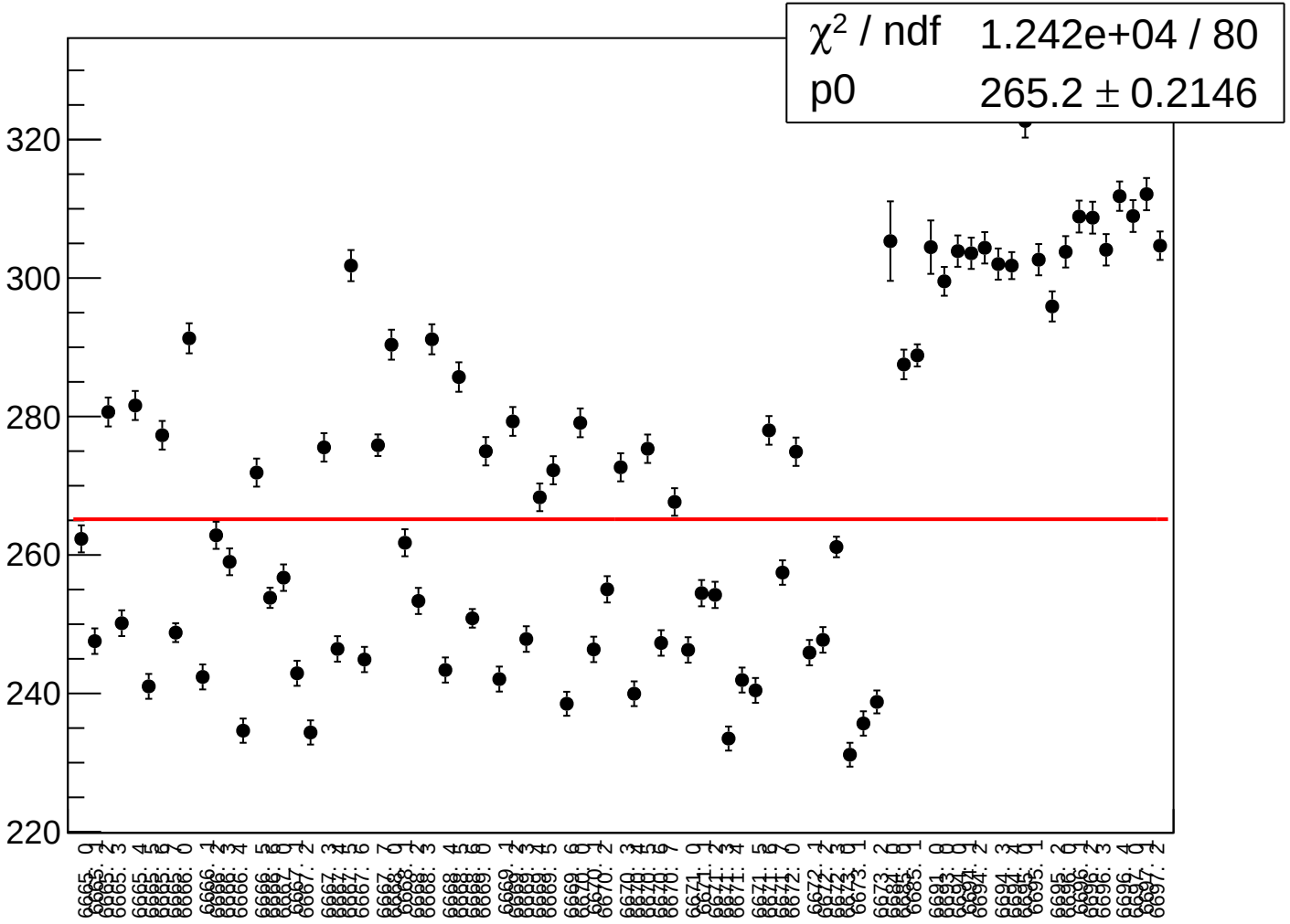

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 89.45 / 80
p0 120.8 ± 60.78
pull
Entries 81
Mean 104.7
Std Dev 70.92
pull1D
Entries 81
Mean −0.02514
Std Dev 1.051

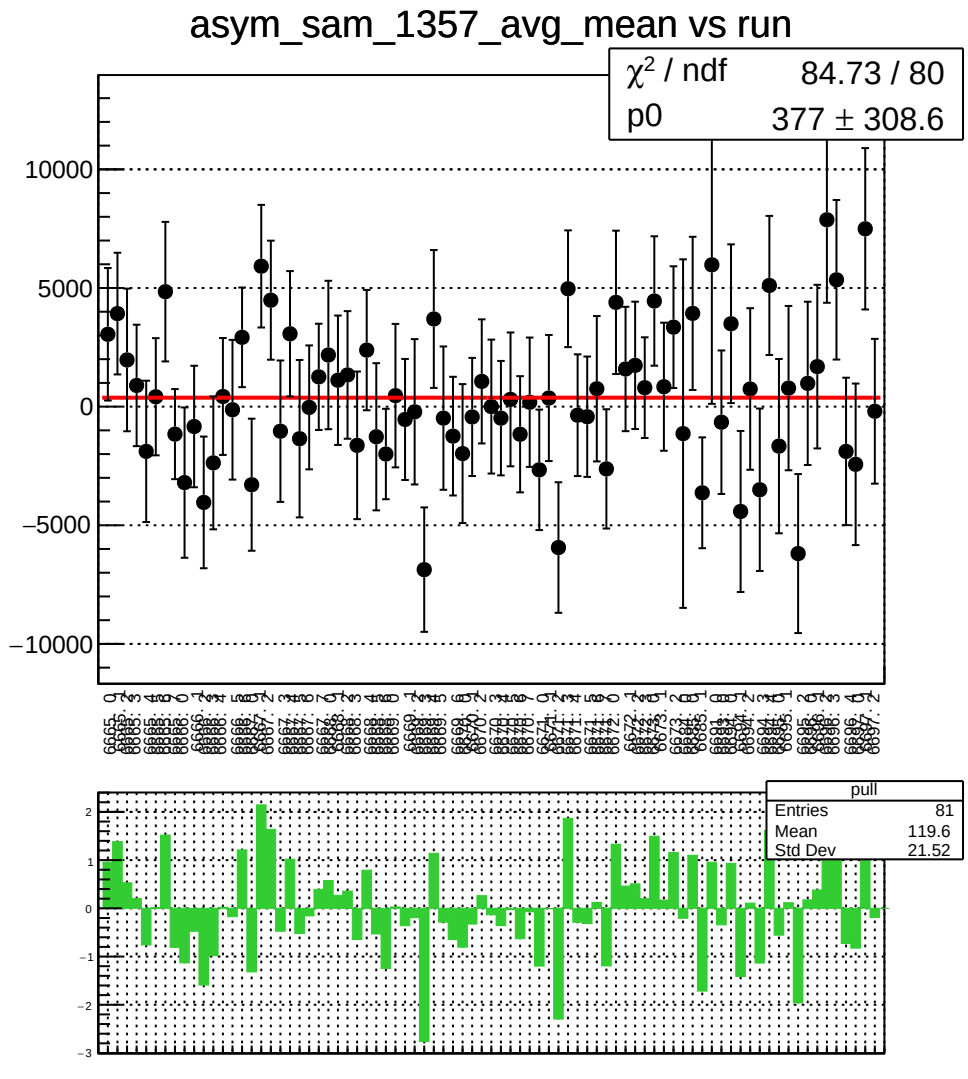
dit_asym_sam_1357_avg_rms vs run

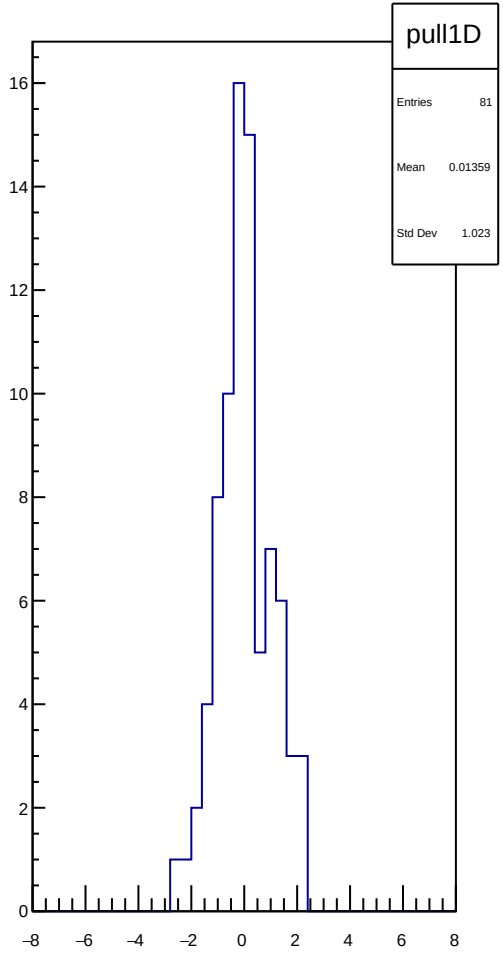



asym_sam_1357_avg_correction_mean vs run
χ² / ndf 81.67 / 80
p0 −346.7 ± 303.4
pull
Entries 81
Mean 136.7
Std Dev 58.71
pull1D
Entries 81
Mean −0.01489
Std Dev 1.004

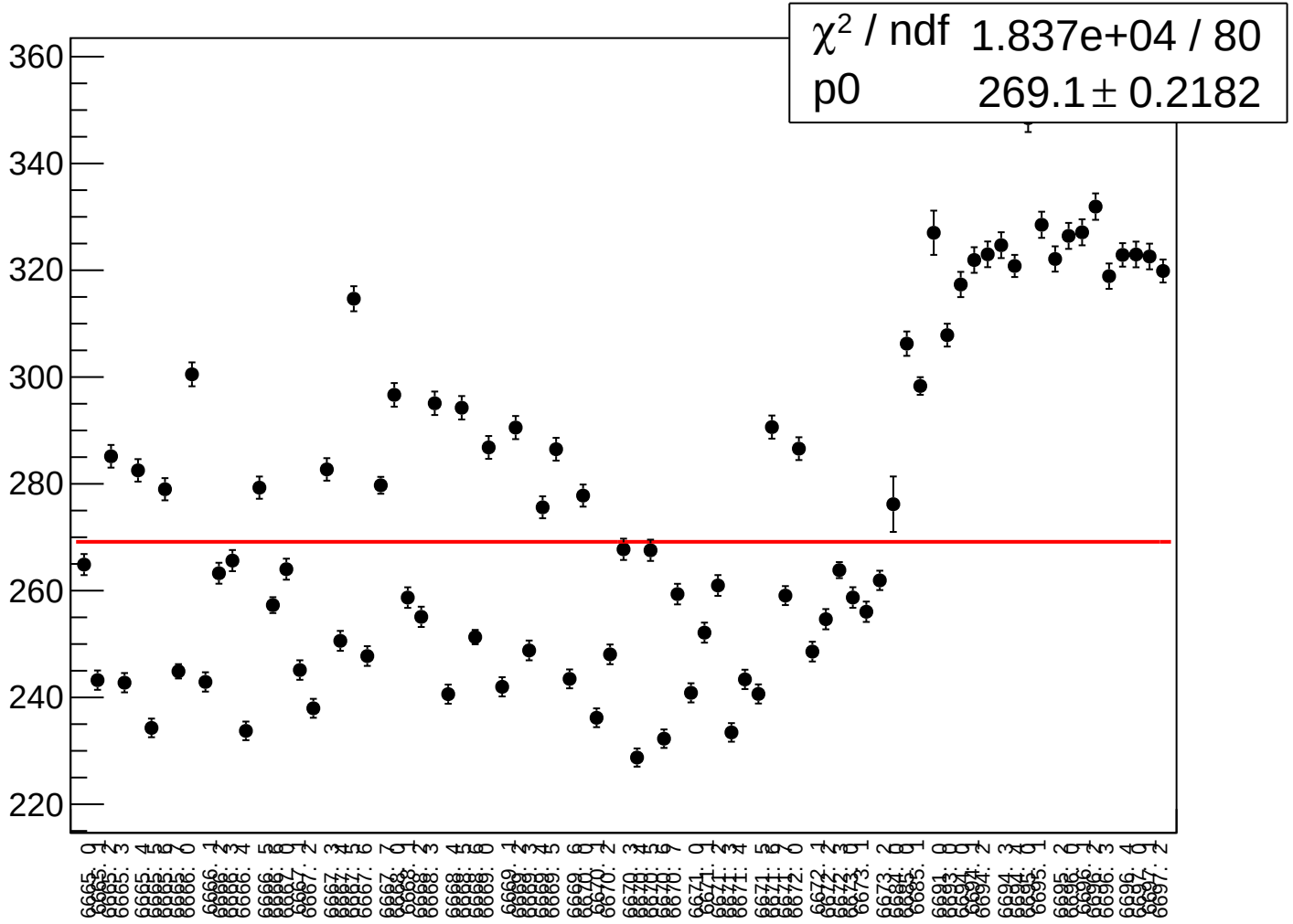
asym_sam_1357_avg_correction_rms vs run

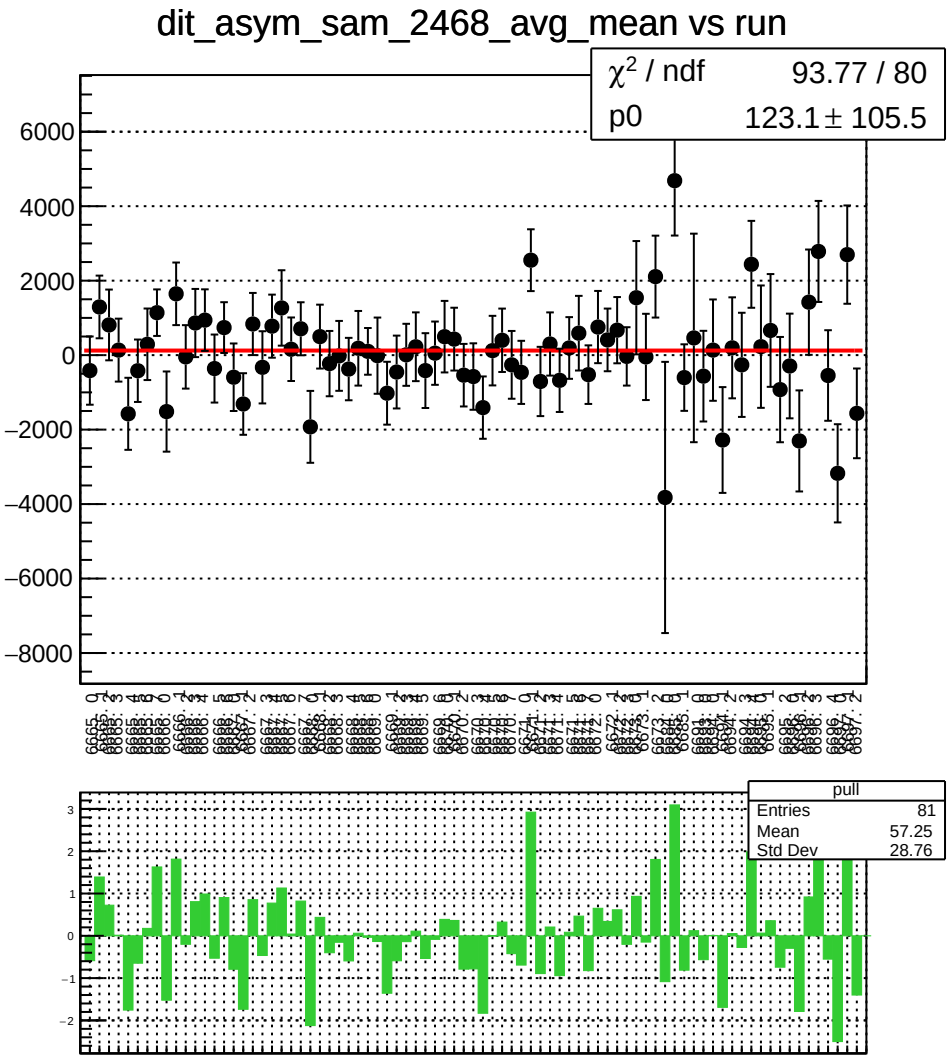


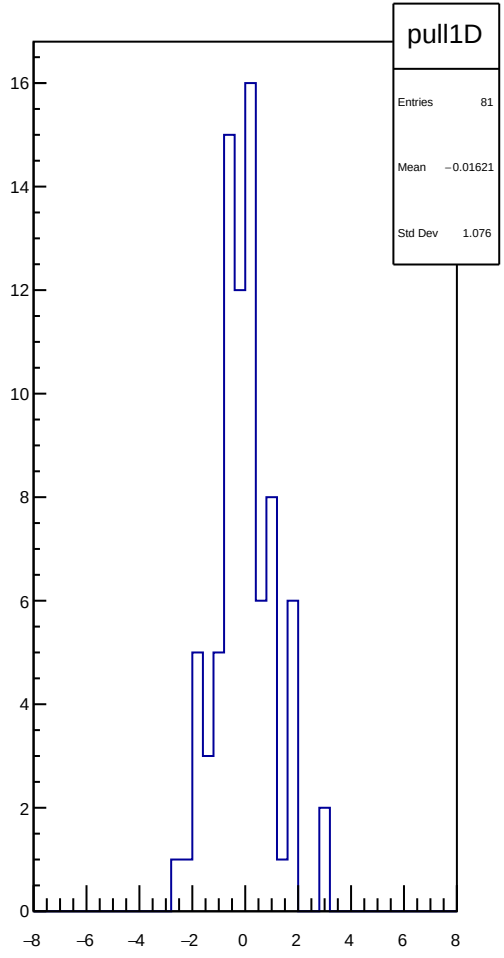

asym_sam_1357_avg_mean vs run
χ² / ndf 84.73 / 80
p0 377 ± 308.6
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 119.6
Std Dev 21.52
2
1
0
−1
−2
−3

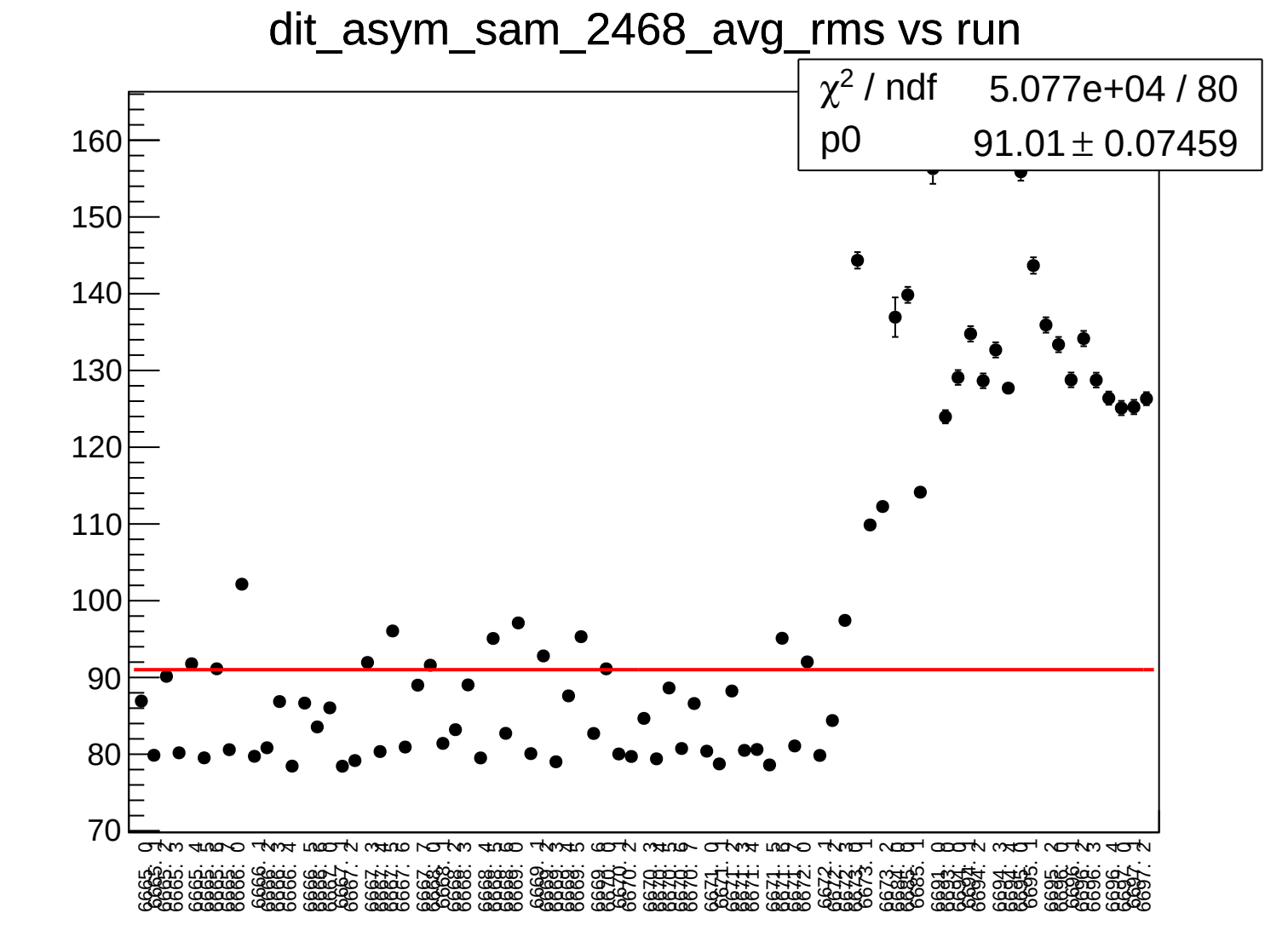

pull1D
Entries 81
Mean 0.01359
Std Dev 1.023
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

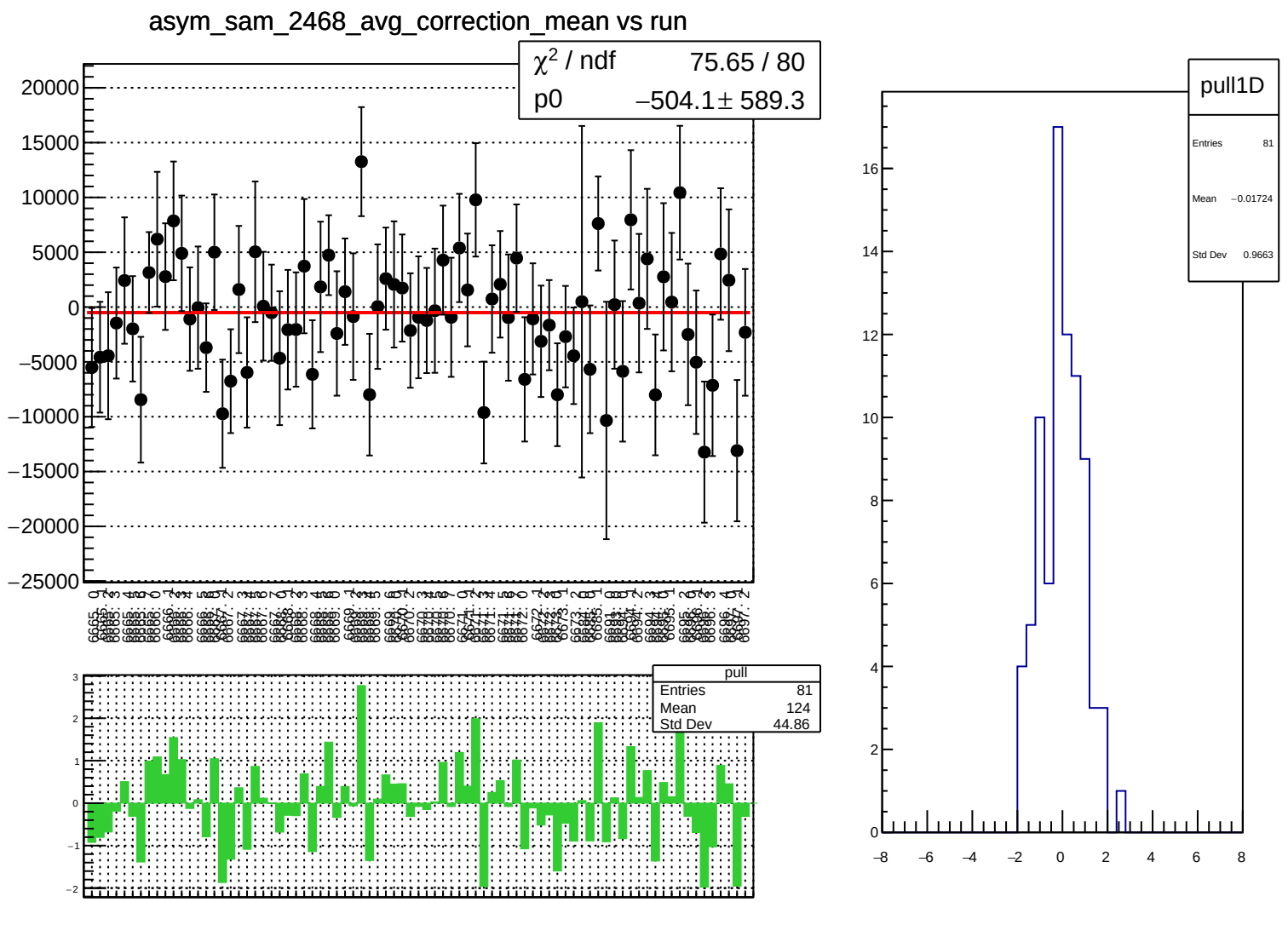
asym_sam_1357_avg_rms vs run



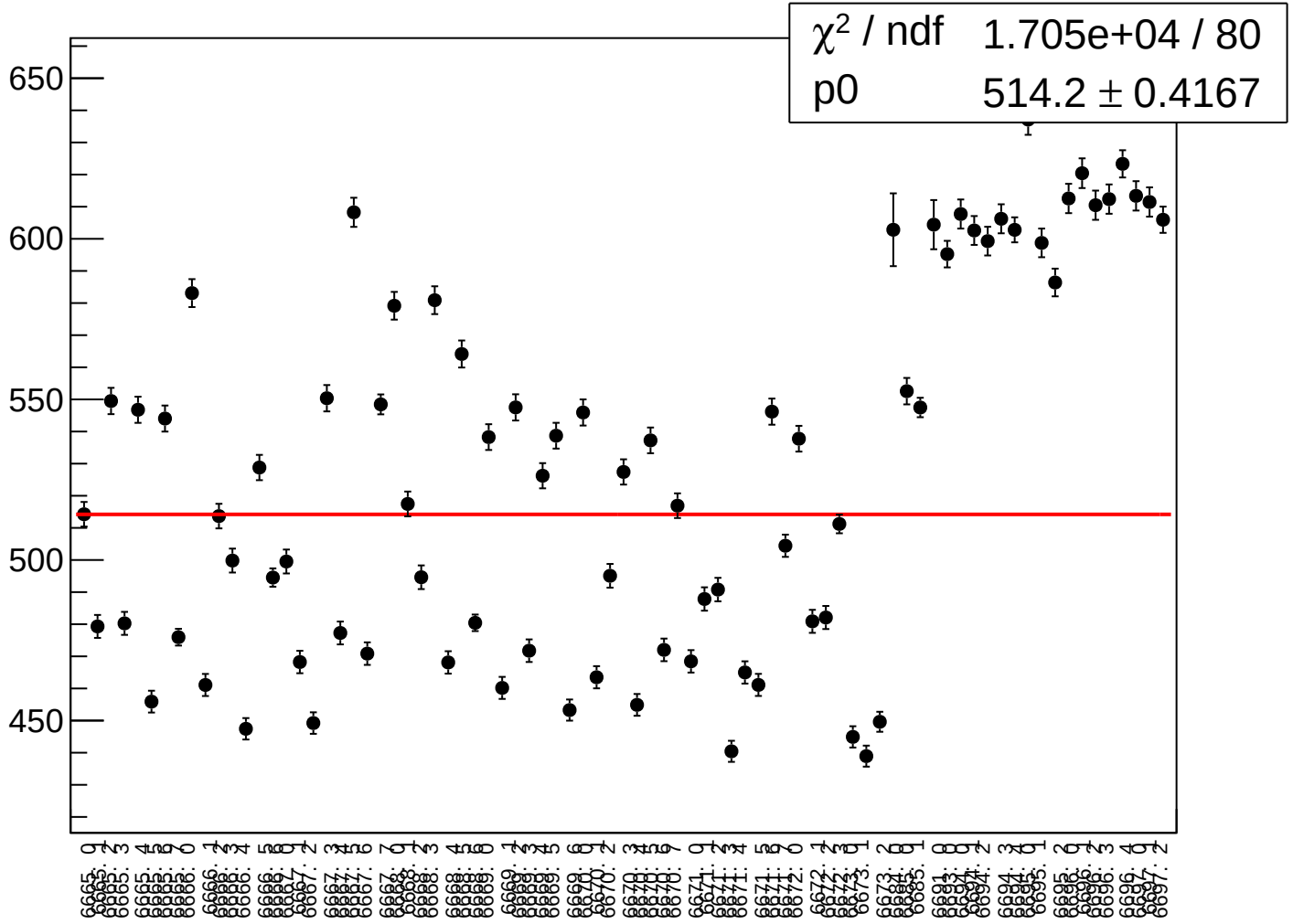

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 93.77 / 80
p0 123.1 ± 105.5
pull
Entries 81
Mean 57.25
Std Dev 28.76

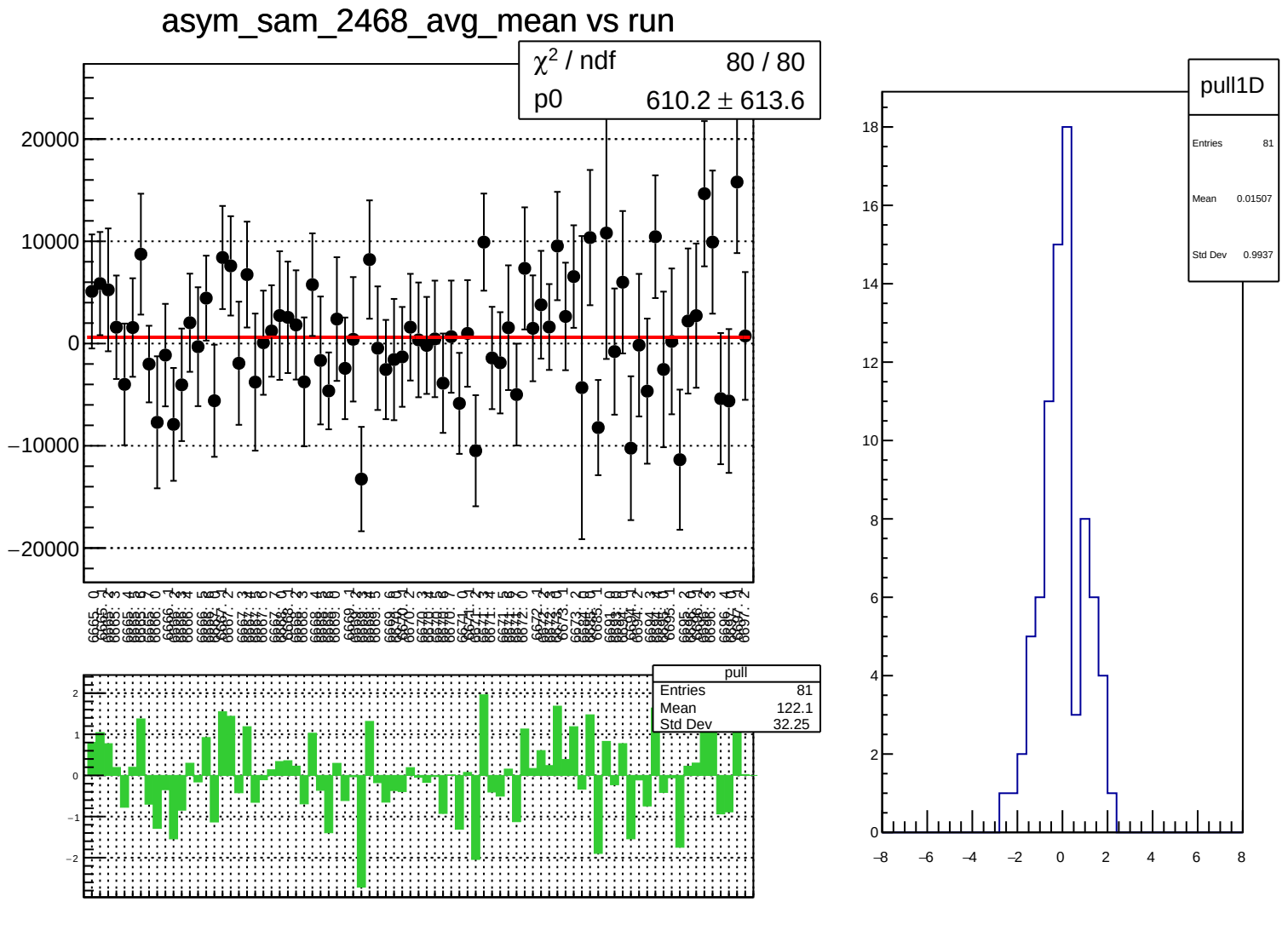

pull1D
Entries 81
Mean −0.01621
Std Dev 1.076


dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.077e+04 / 80
p0 91.01 ± 0.07459
160
150
140
130
120
110
100
90
80
70

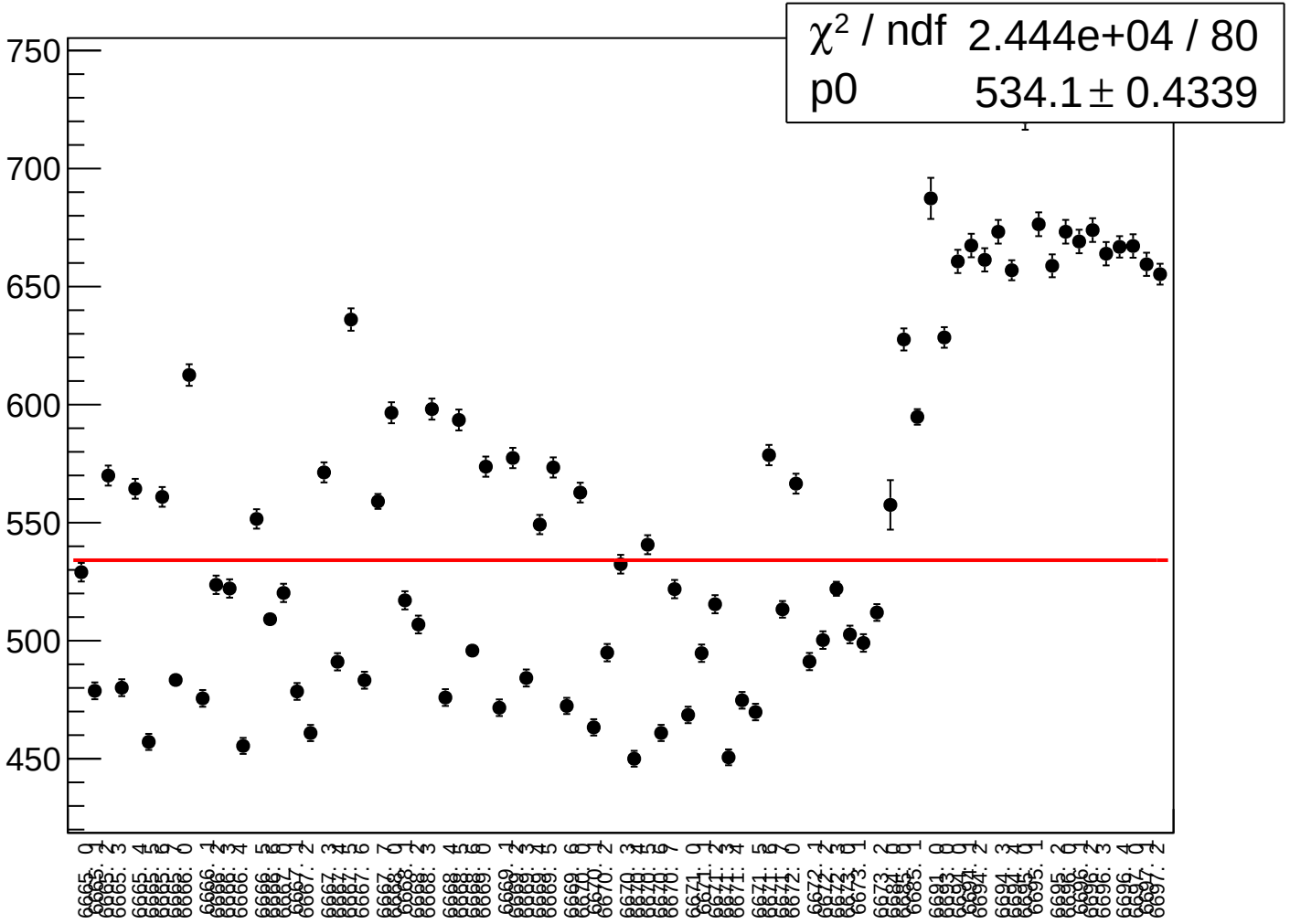

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 75.65 / 80
p0 −504.1 ± 589.3
pull
Entries 81
Mean 124
Std Dev 44.86
pull1D
Entries 81
Mean −0.01724
Std Dev 0.9663

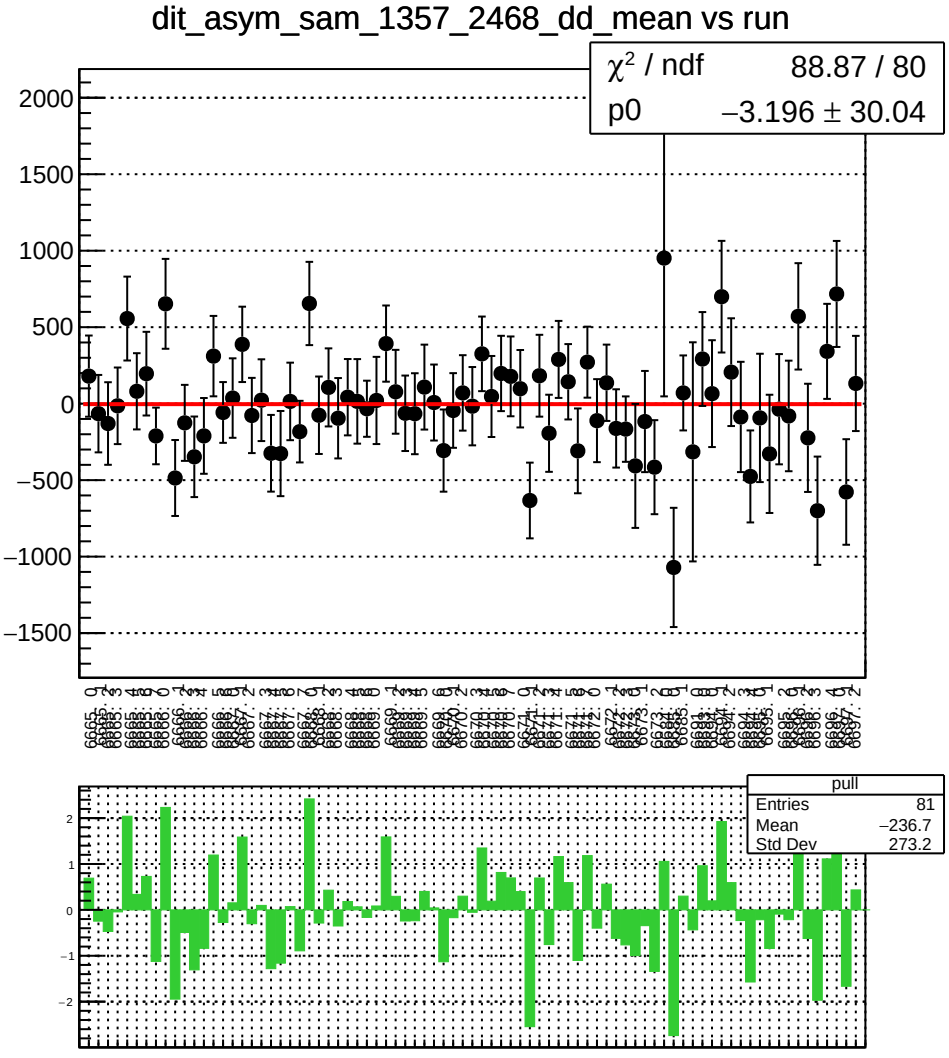
asym_sam_2468_avg_correction_rms vs run

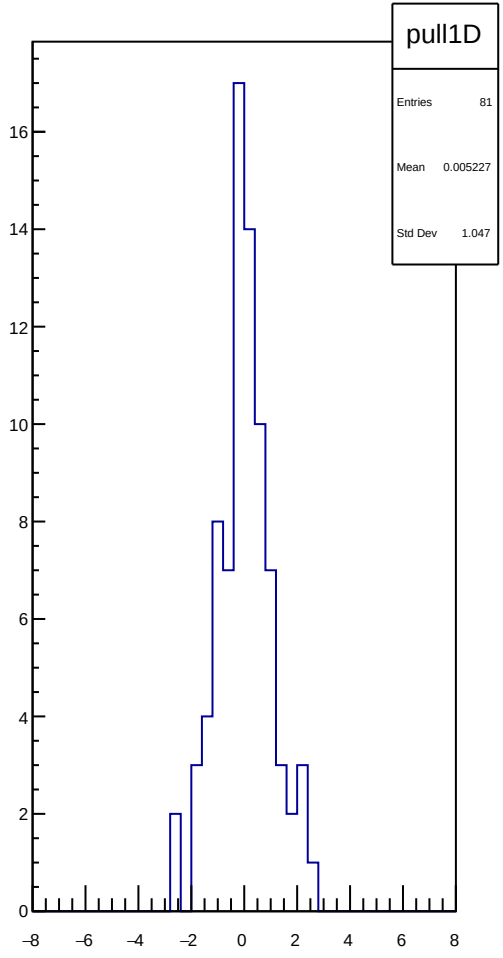



asym_sam_2468_avg_mean vs run
χ² / ndf 80 / 80
p0 610.2 ± 613.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 122.1
Std Dev 32.25
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01507
Std Dev 0.9937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

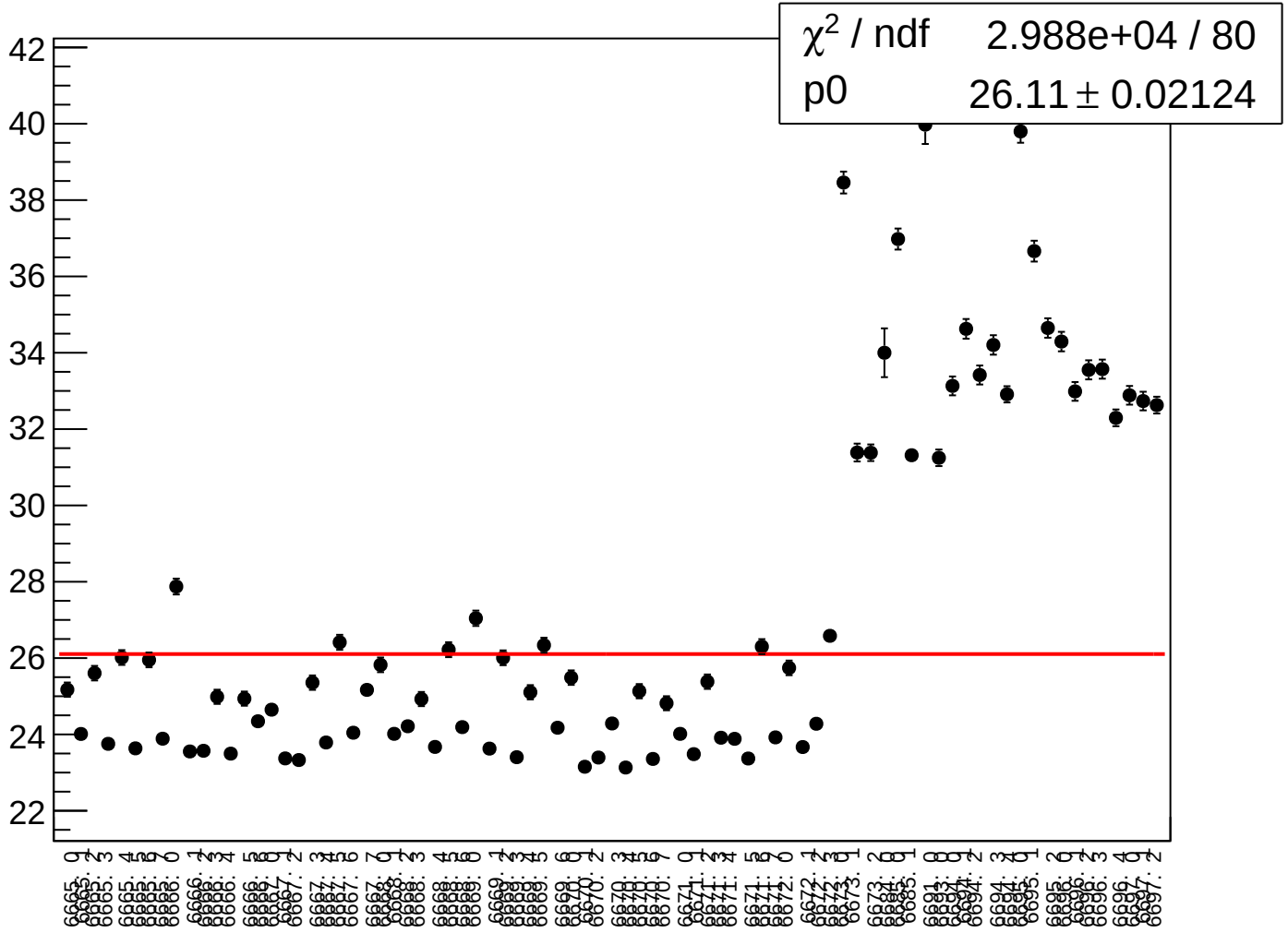
asym_sam_2468_avg_rms vs run

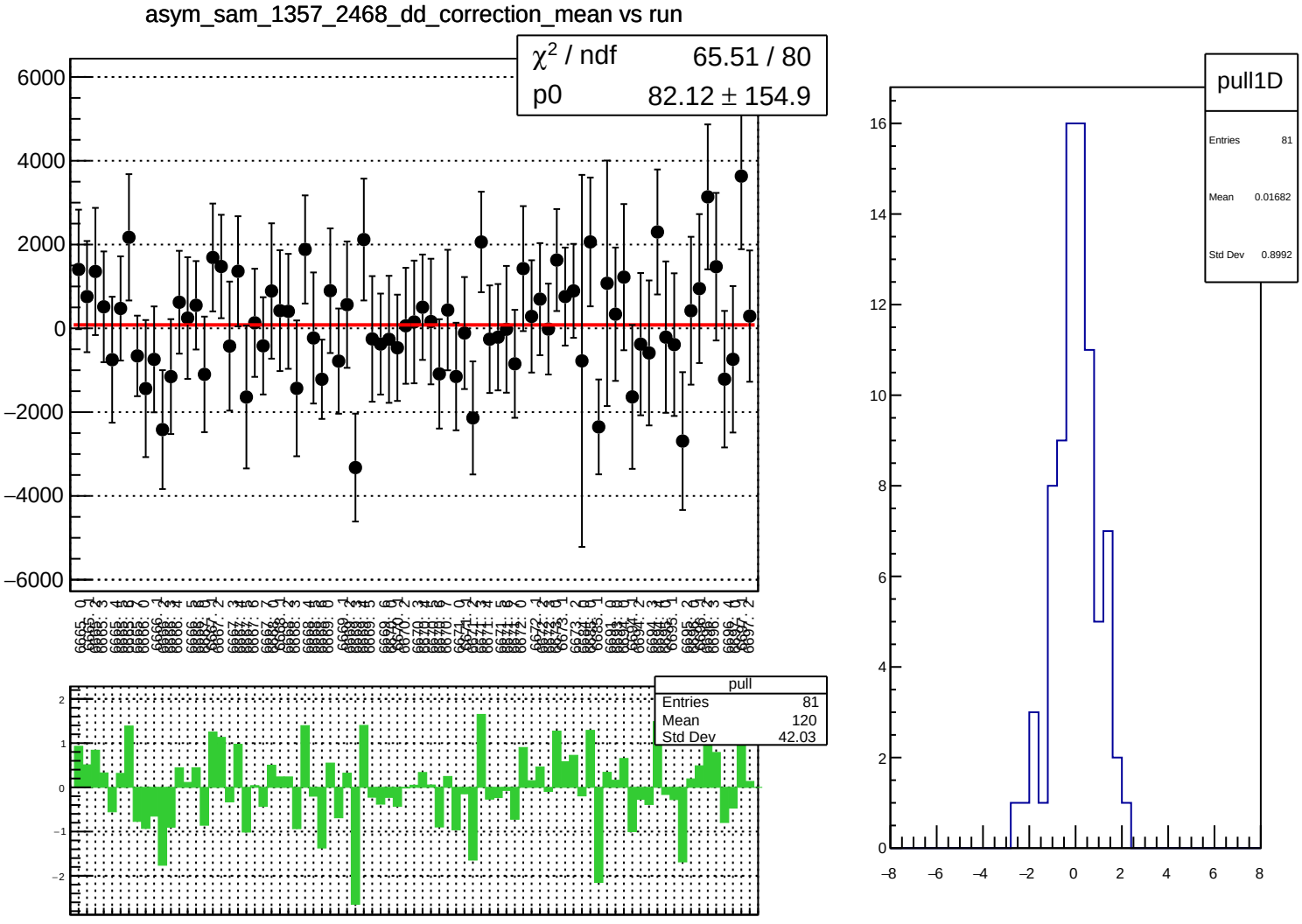


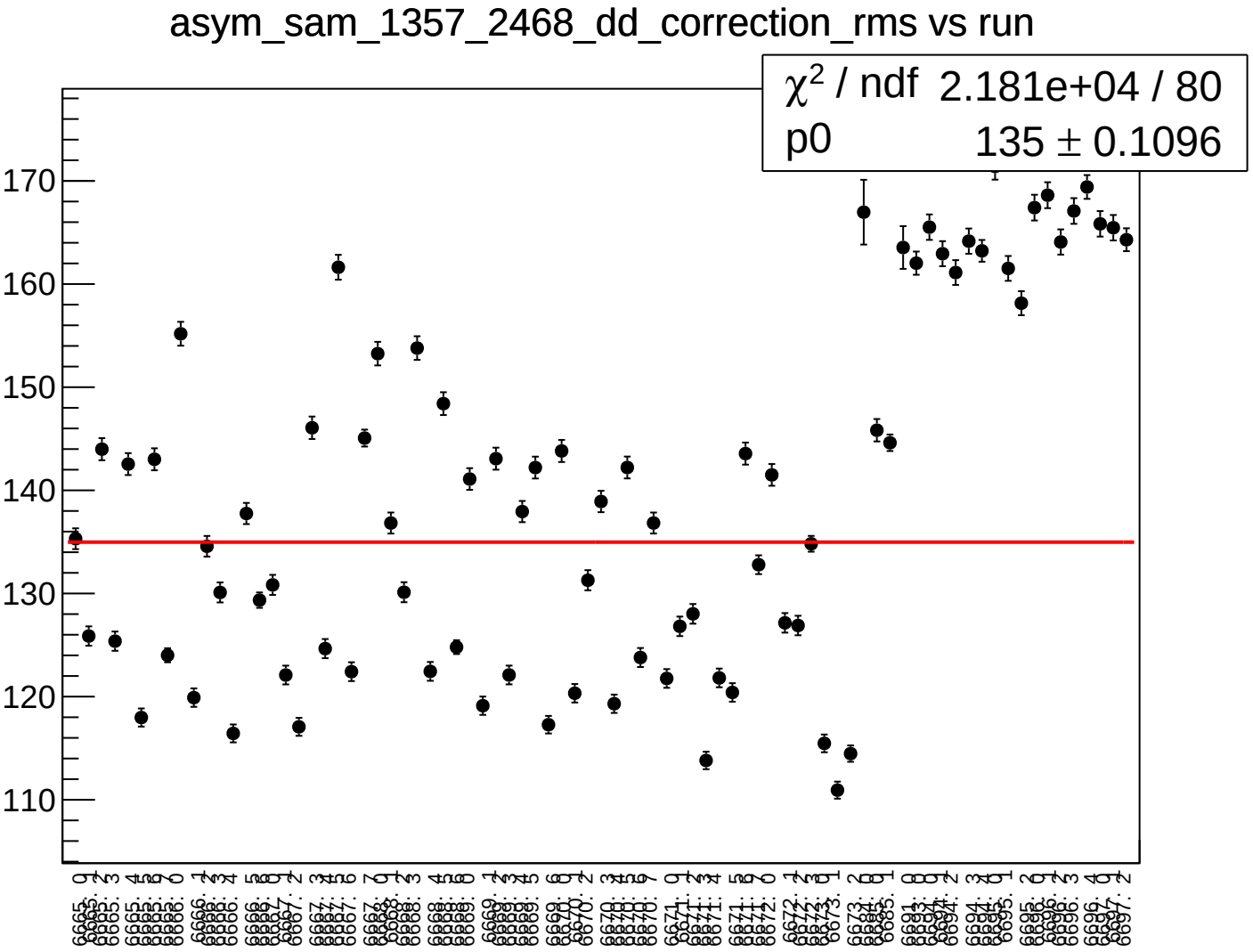

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 88.87 / 80
p0 −3.196 ± 30.04
pull
Entries 81
Mean −236.7
Std Dev 273.2

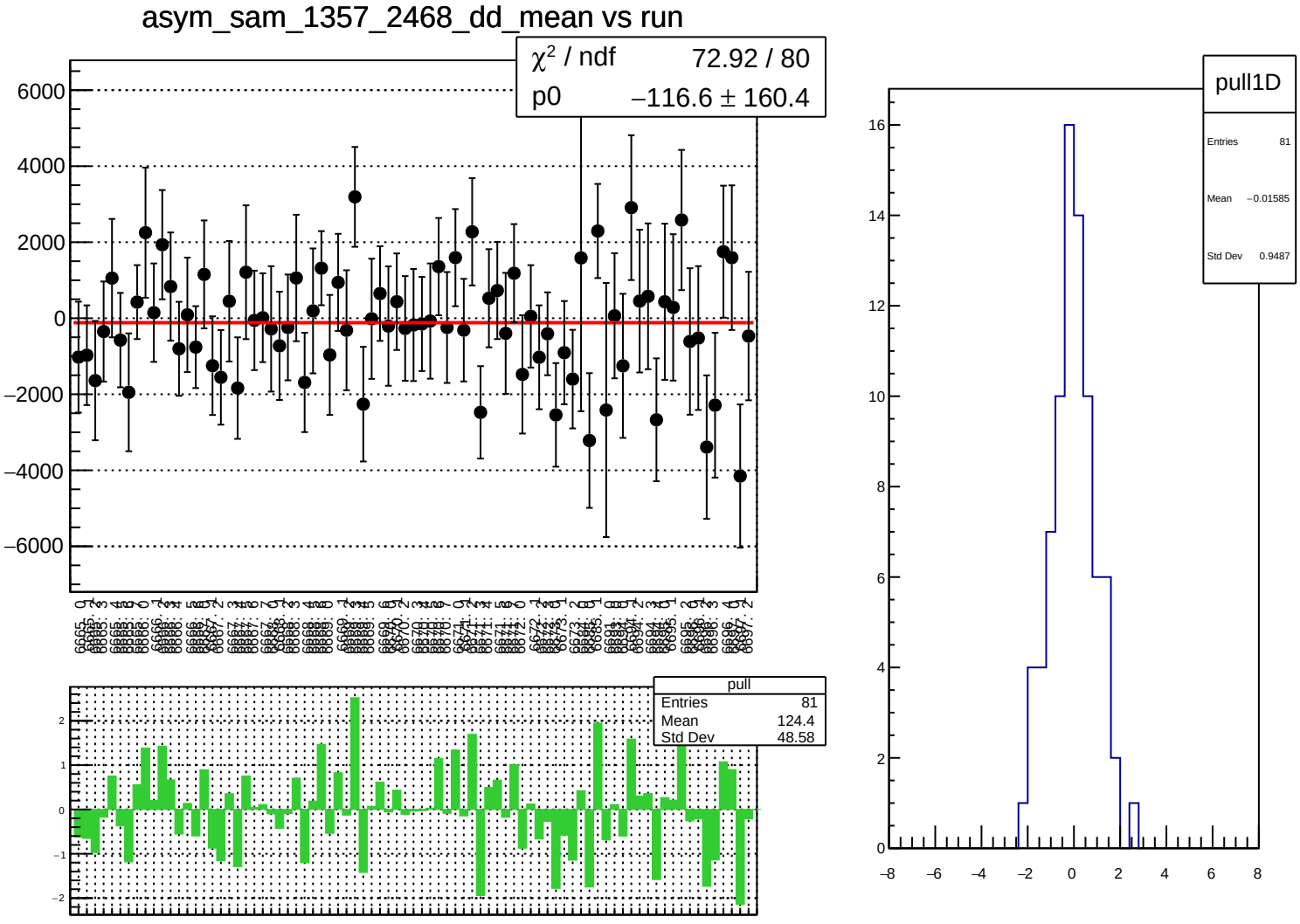

pull1D
Entries 81
Mean 0.005227
Std Dev 1.047

dit_asym_sam_1357_2468_dd_rms vs run

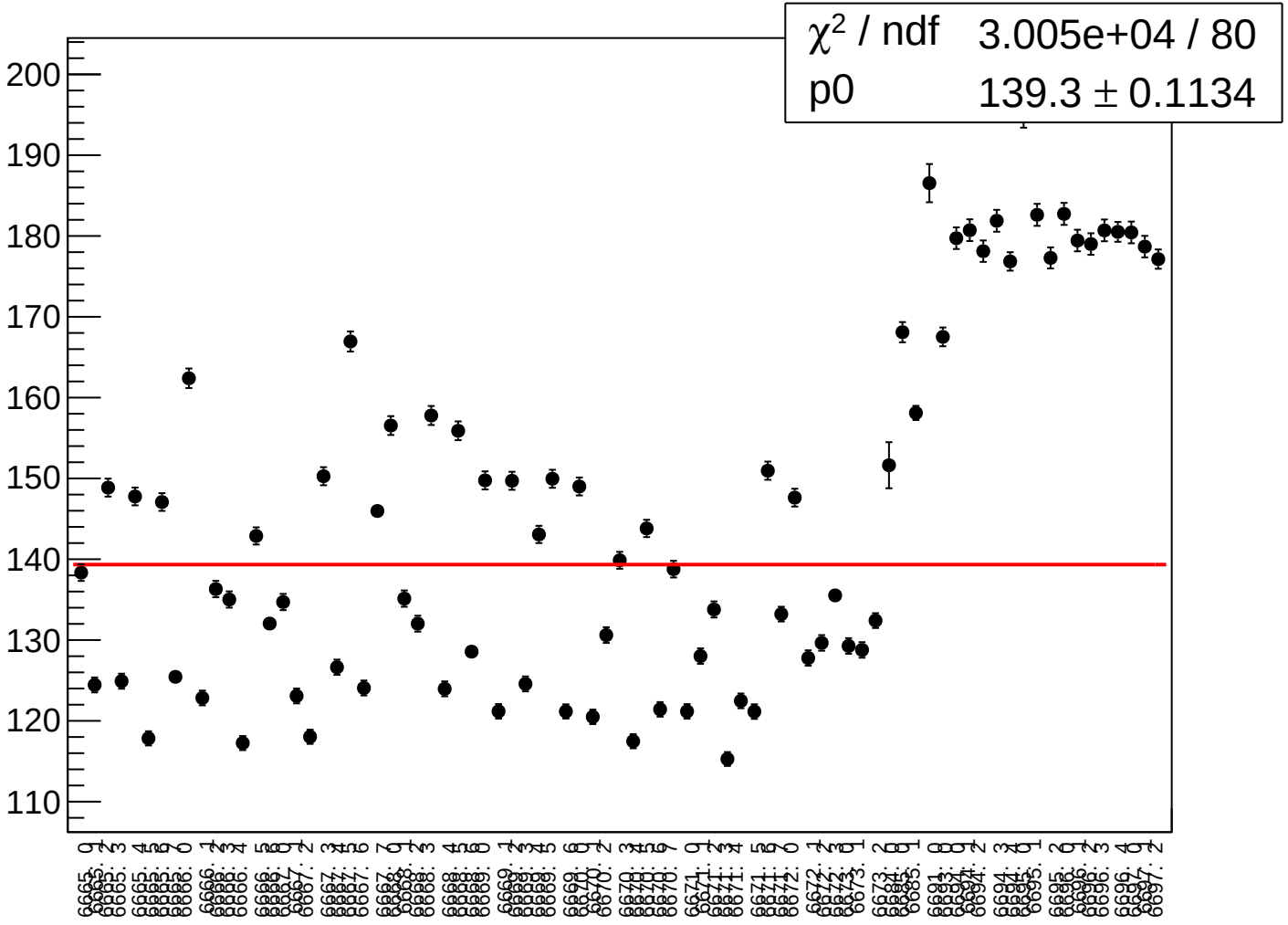


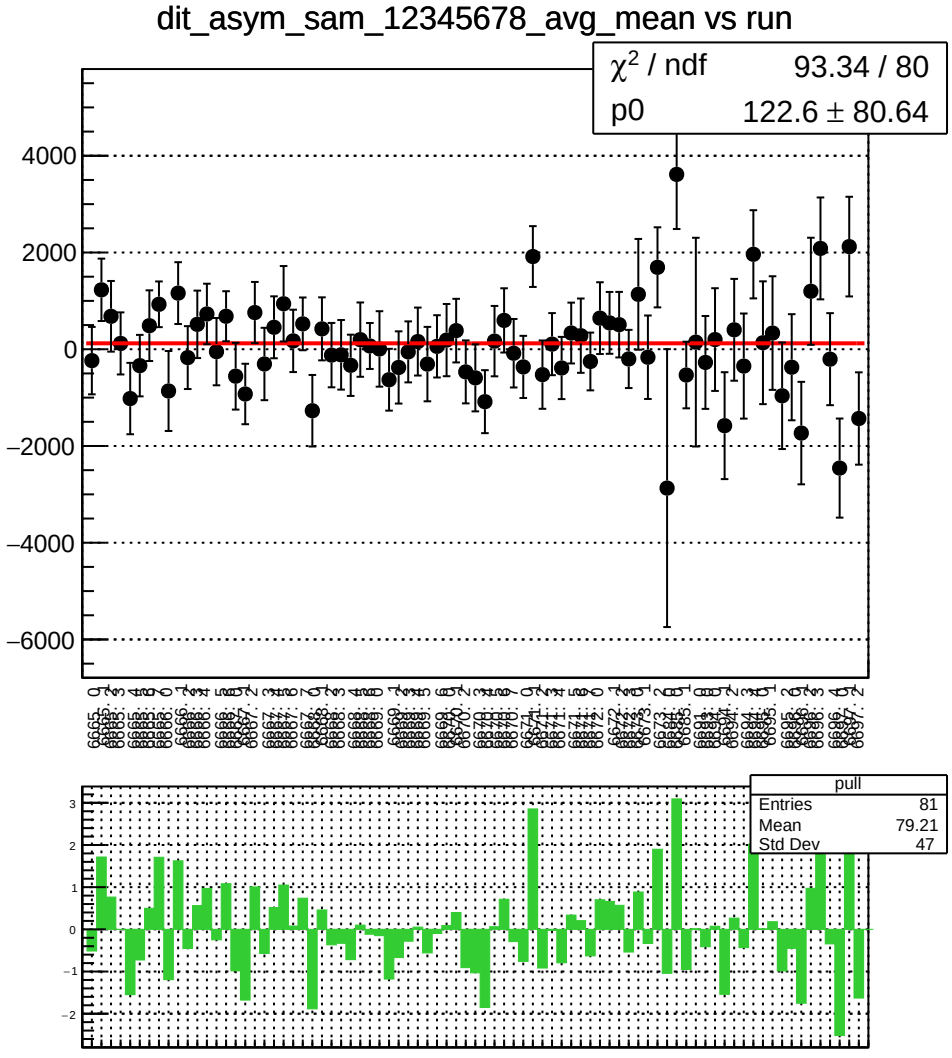

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 65.51 / 80
p0 82.12 ± 154.9
pull
Entries 81
Mean 120
Std Dev 42.03
pull1D
Entries 81
Mean 0.01682
Std Dev 0.8992

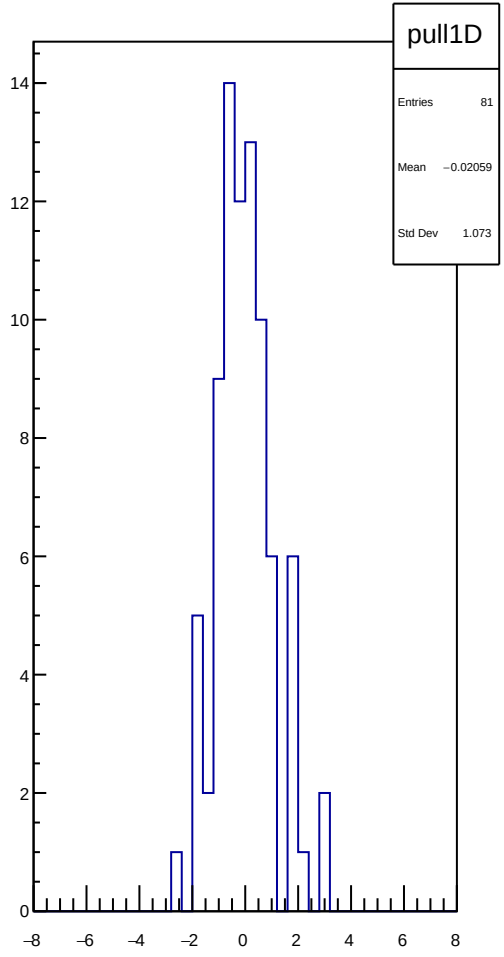

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.181e+04 / 80
p0 135 ± 0.1096
170
160
150
140
130
120
110


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 72.92 / 80
p0 −116.6 ± 160.4
pull
Entries 81
Mean 124.4
Std Dev 48.58
pull1D
Entries 81
Mean −0.01585
Std Dev 0.9487

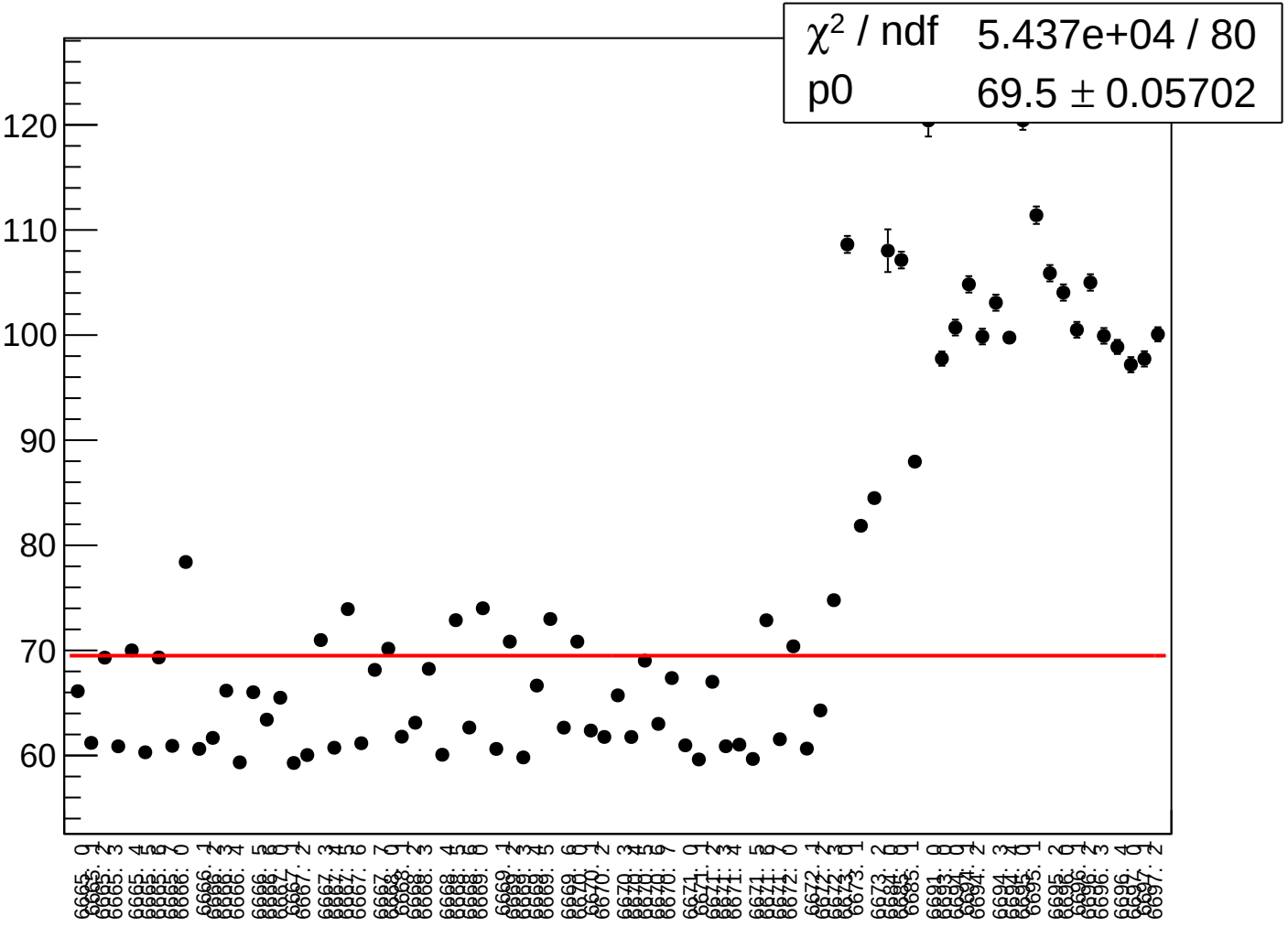
asym_sam_1357_2468_dd_rms vs run

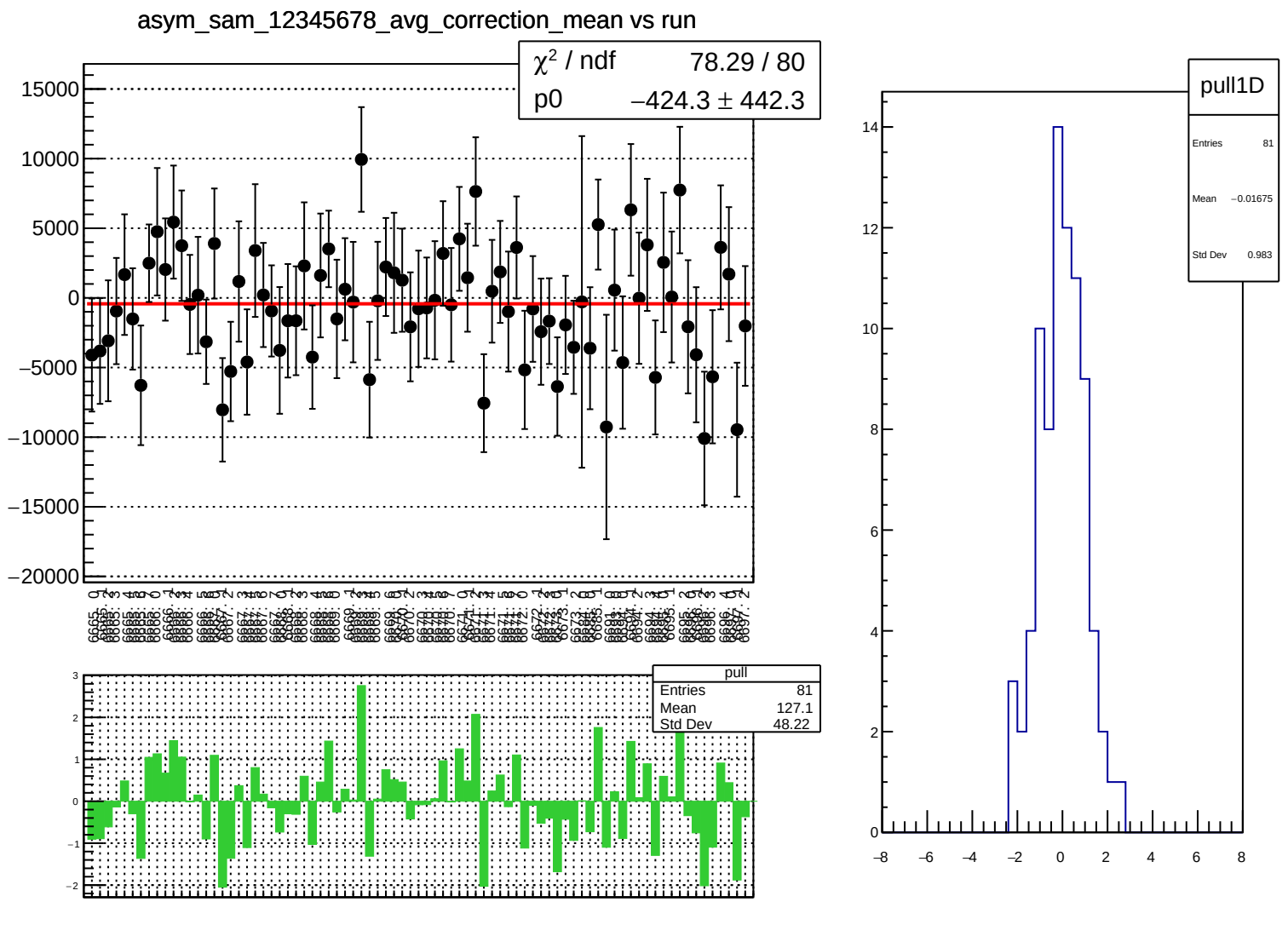


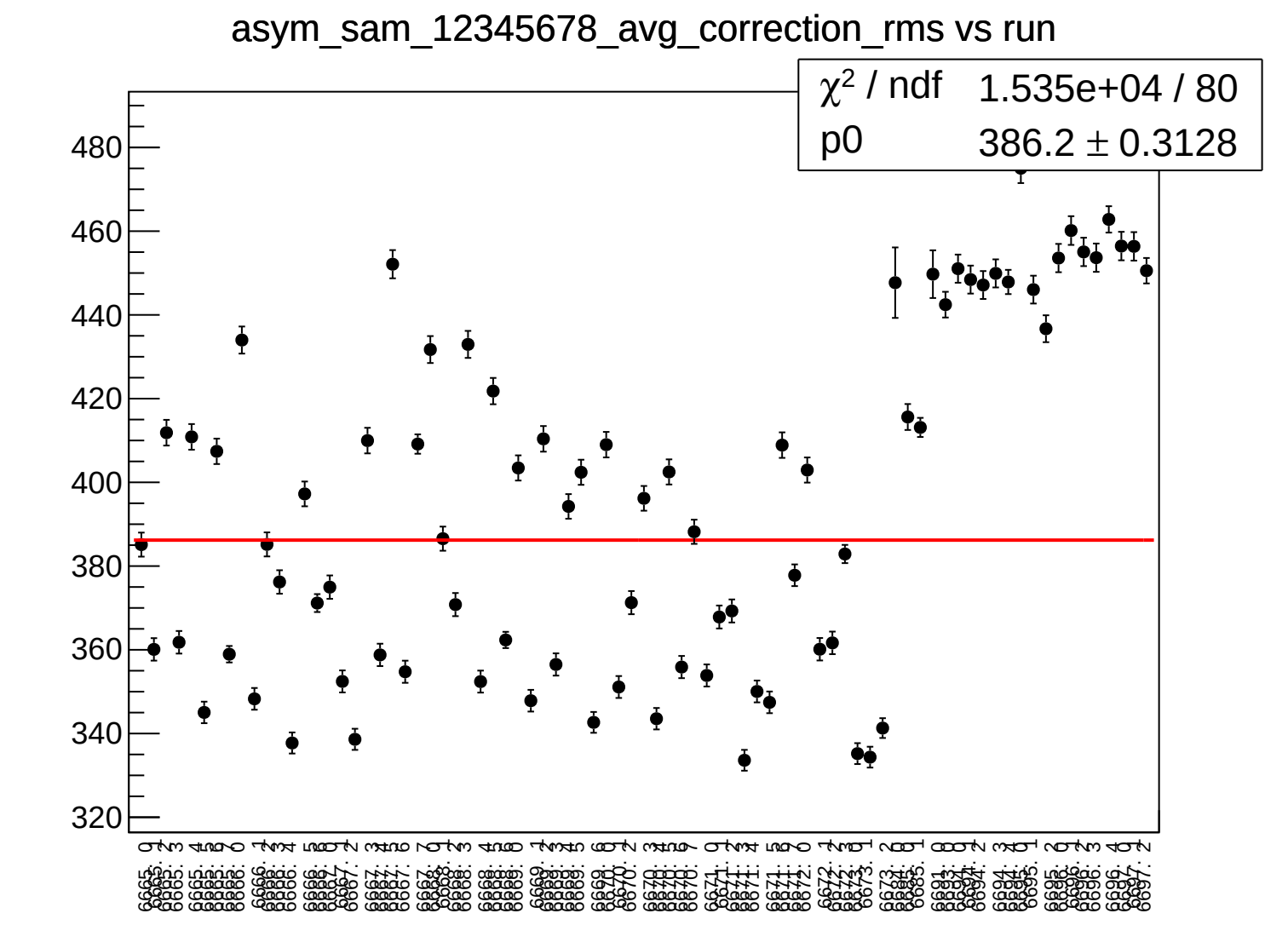

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 93.34 / 80
p0 122.6 ± 80.64
pull
Entries 81
Mean 79.21
Std Dev 47

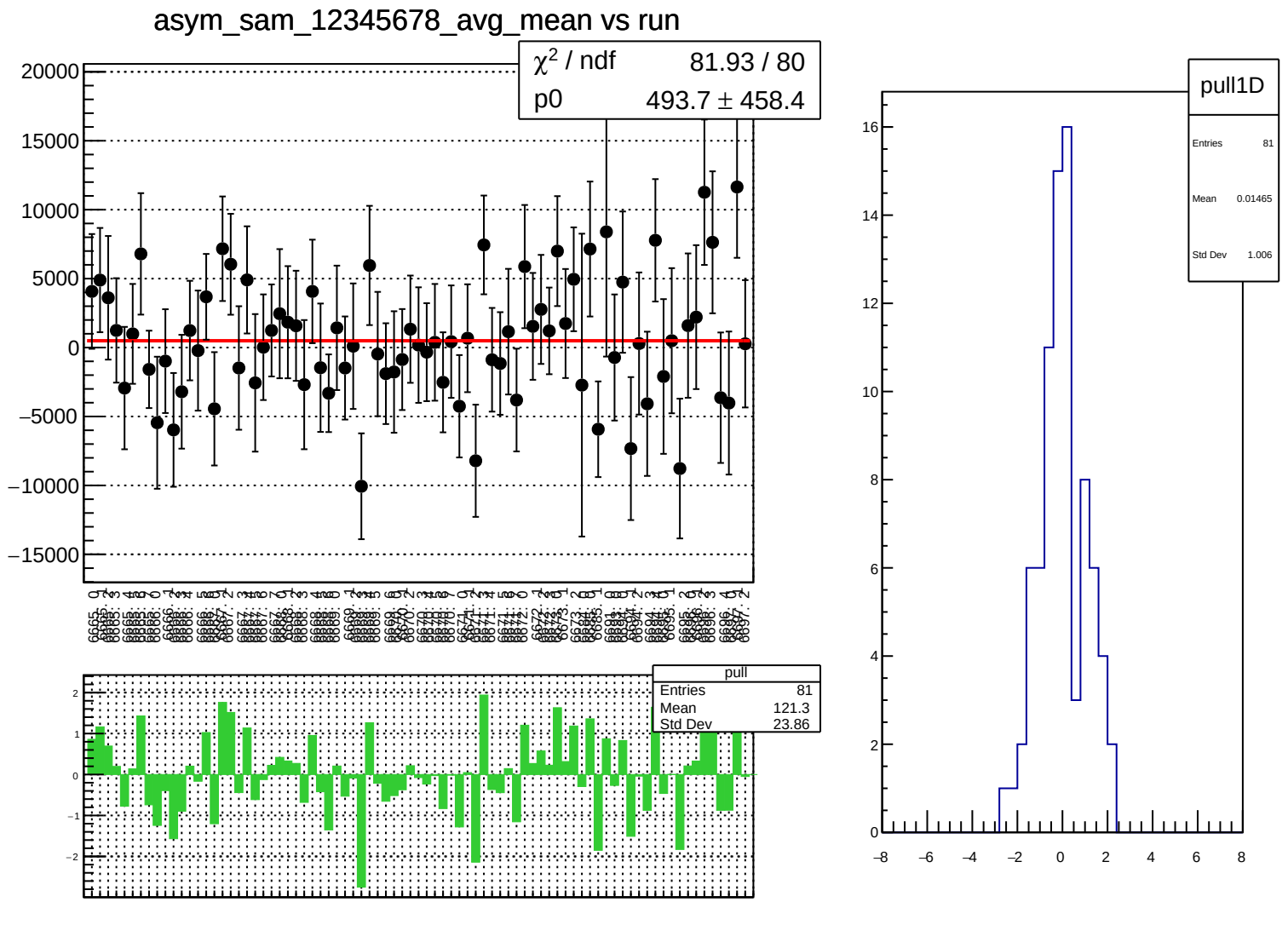

pull1D
Entries 81
Mean −0.02059
Std Dev 1.073

dit_asym_sam_12345678_avg_rms vs run

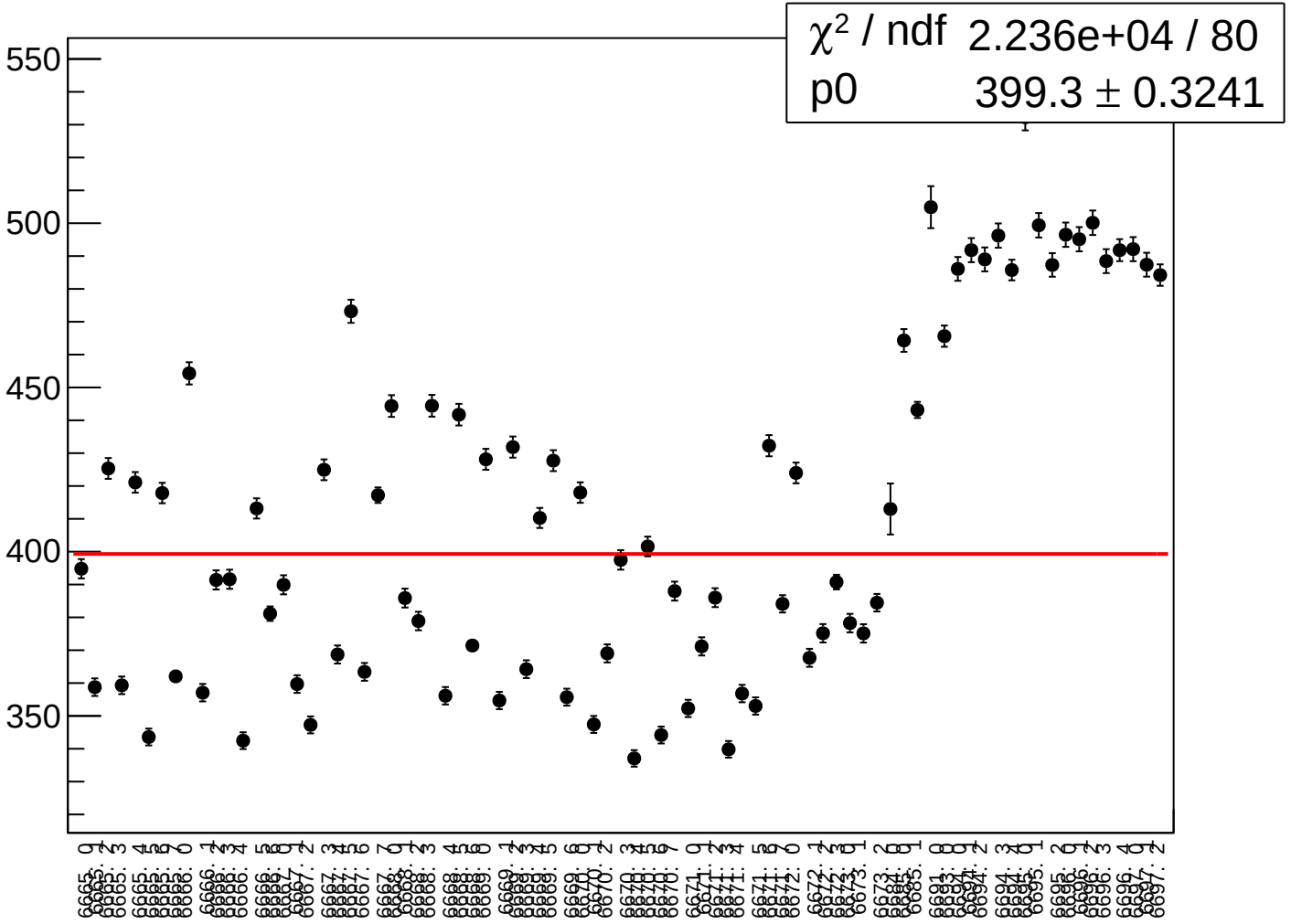


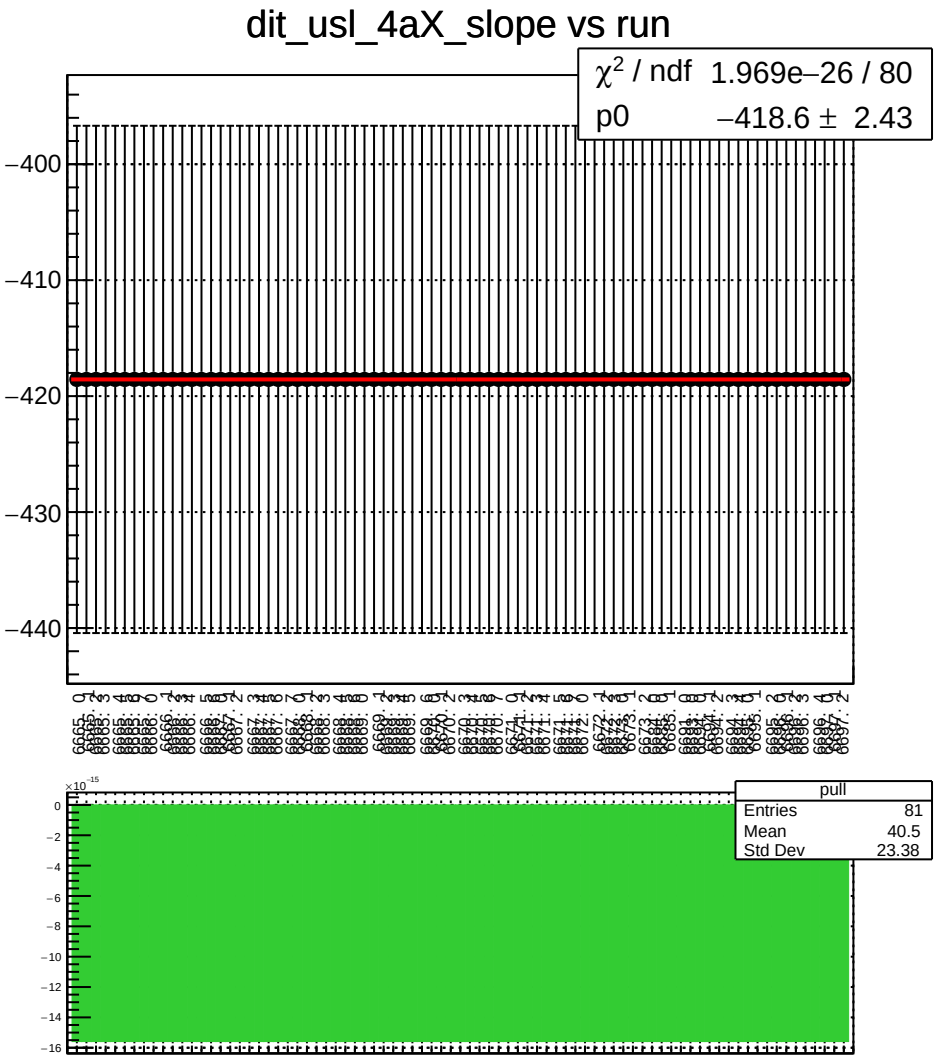

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 78.29 / 80
p0 −424.3 ± 442.3
pull
Entries 81
Mean 127.1
Std Dev 48.22
pull1D
Entries 81
Mean −0.01675
Std Dev 0.983

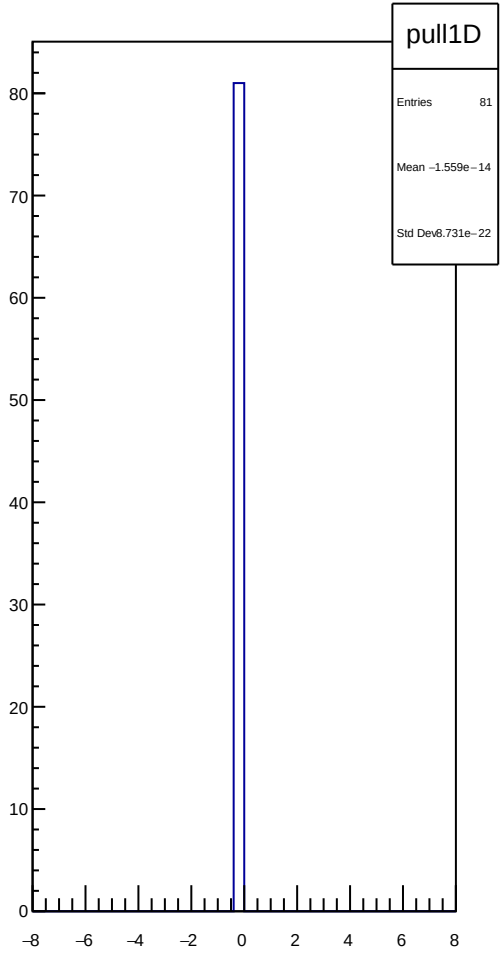

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.535e+04 / 80
p0 386.2 ± 0.3128
480
460
440
420
400
380
360
340
320

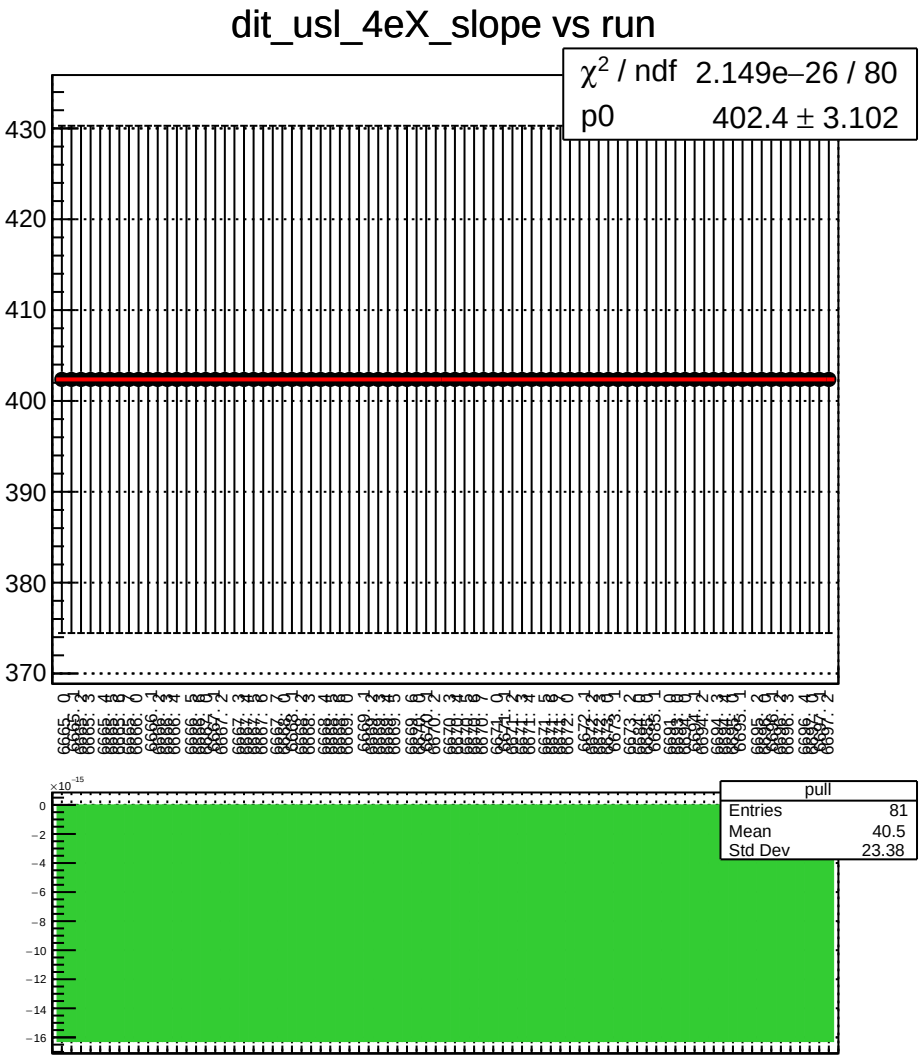

asym_sam_12345678_avg_mean vs run
χ² / ndf 81.93 / 80
p0 493.7 ± 458.4
pull
Entries 81
Mean 121.3
Std Dev 23.86
pull1D
Entries 81
Mean 0.01465
Std Dev 1.006

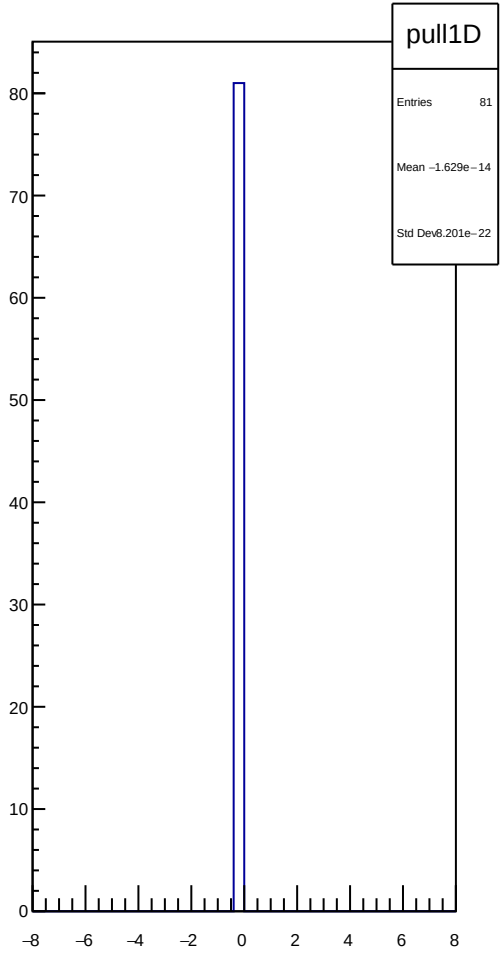
asym_sam_12345678_avg_rms vs run

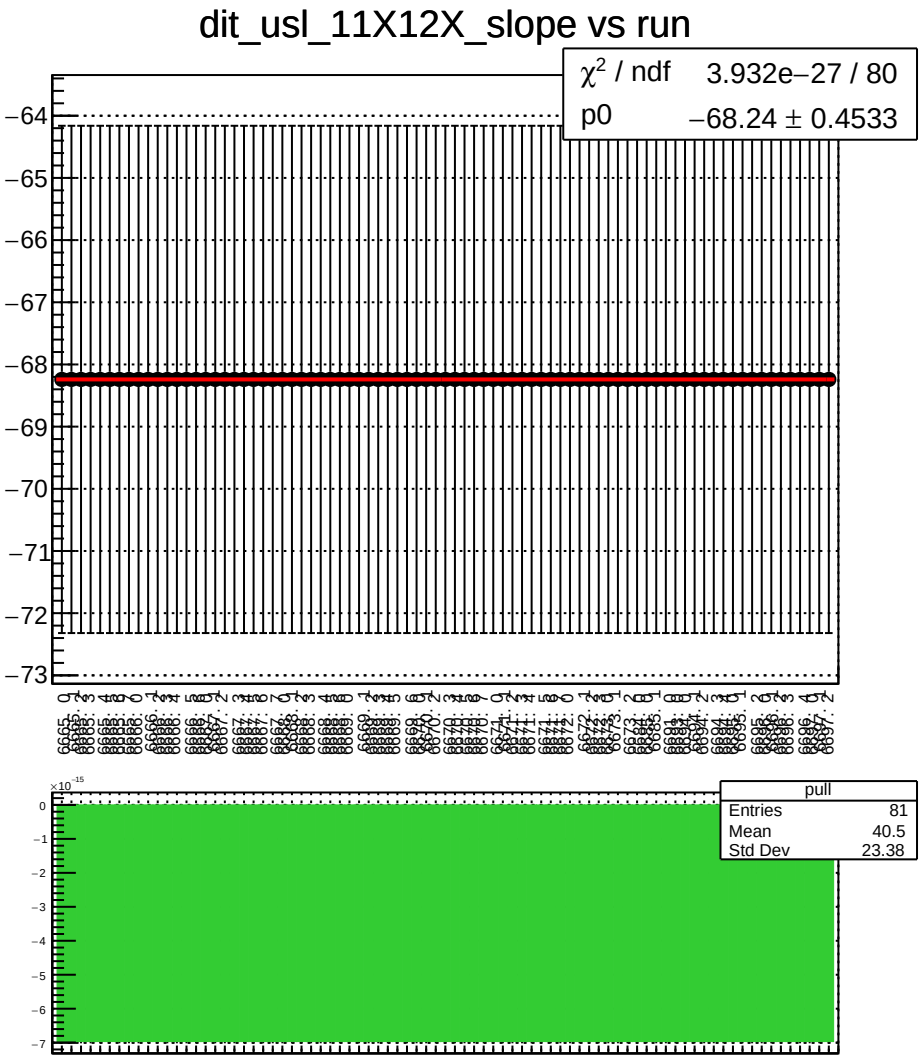


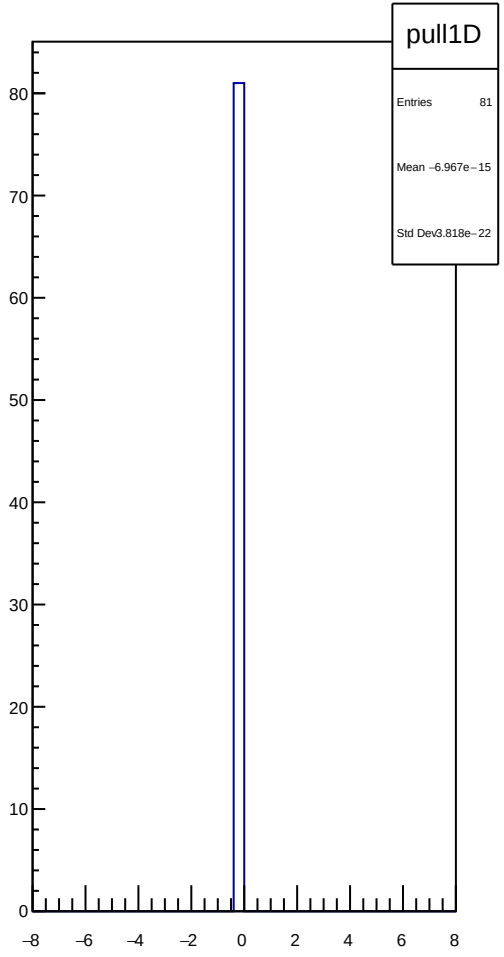

dit_usl_4aX_slope vs run
χ^2 / ndf 1.969e−26 / 80
p0 −418.6 ± 2.43
−400
−410
−420
−430
−440
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

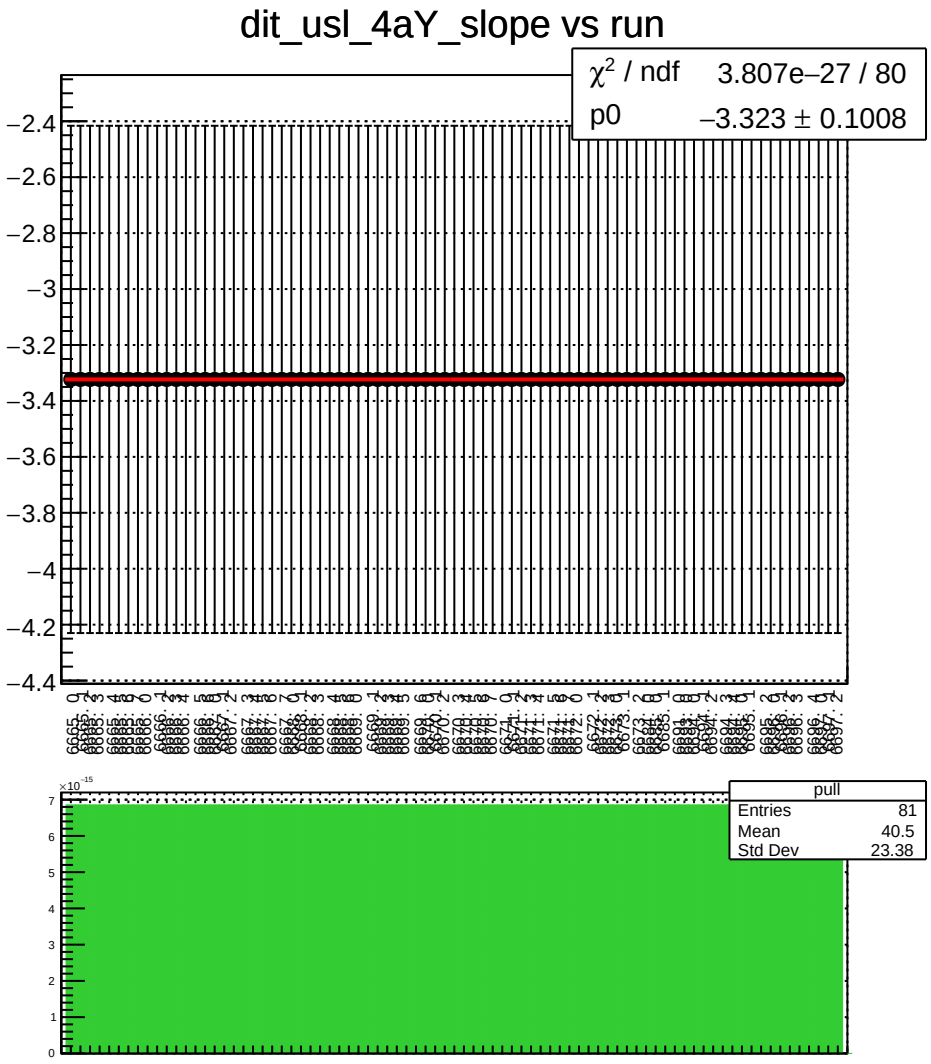

pull1D
Entries 81
Mean −1.559e−14
Std Dev 8.731e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

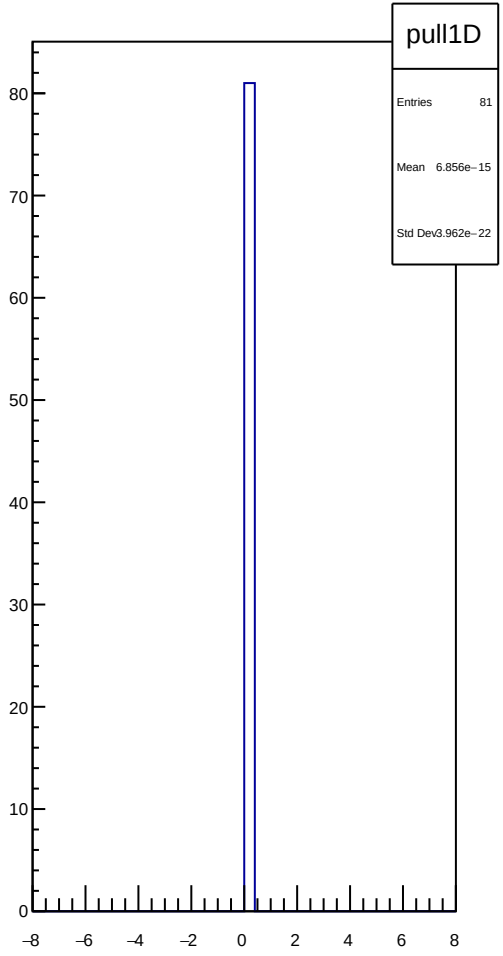

dit_usl_4eX_slope vs run
χ^2 / ndf 2.149e−26 / 80
p0 402.4 ± 3.102
430
420
410
400
390
380
370
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

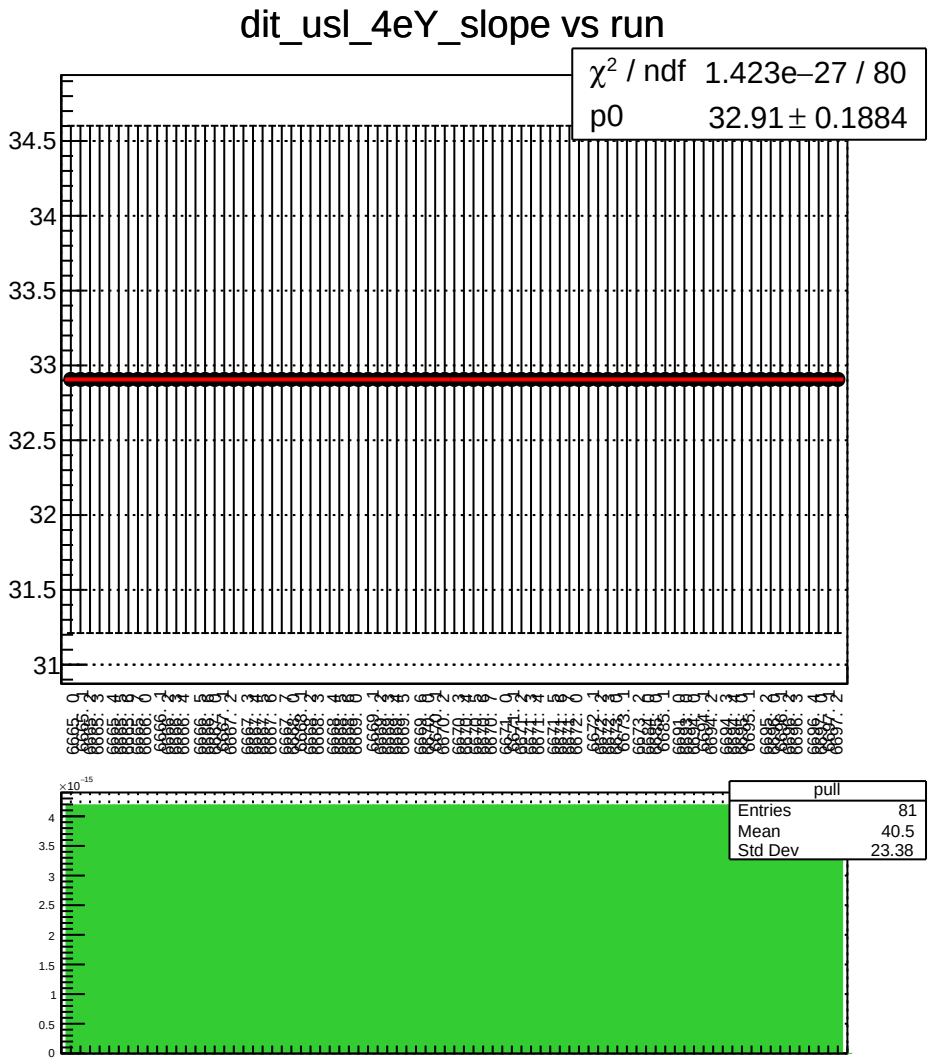

pull1D
Entries 81
Mean −1.629e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

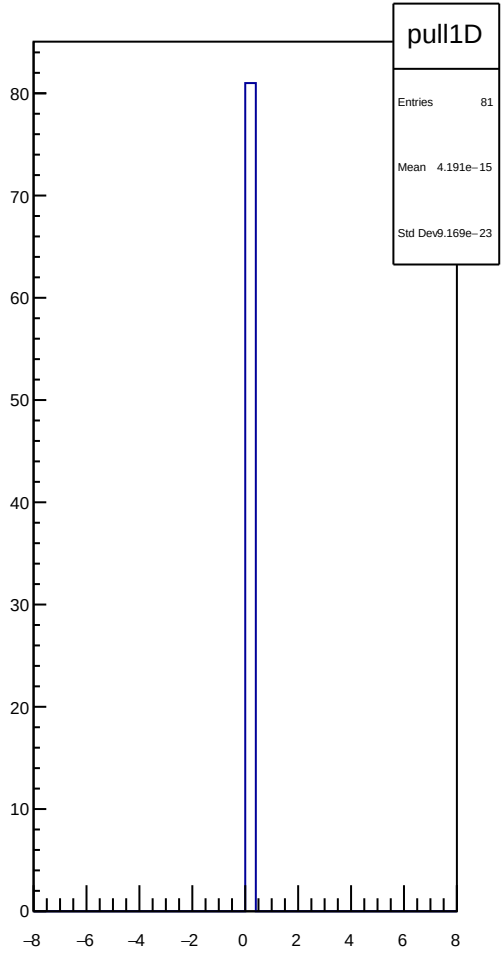

dit_usl_11X12X_slope vs run
χ^2 / ndf 3.932e−27 / 80
p0 −68.24 ± 0.4533
pull
Entries 81
Mean 40.5
Std Dev 23.38

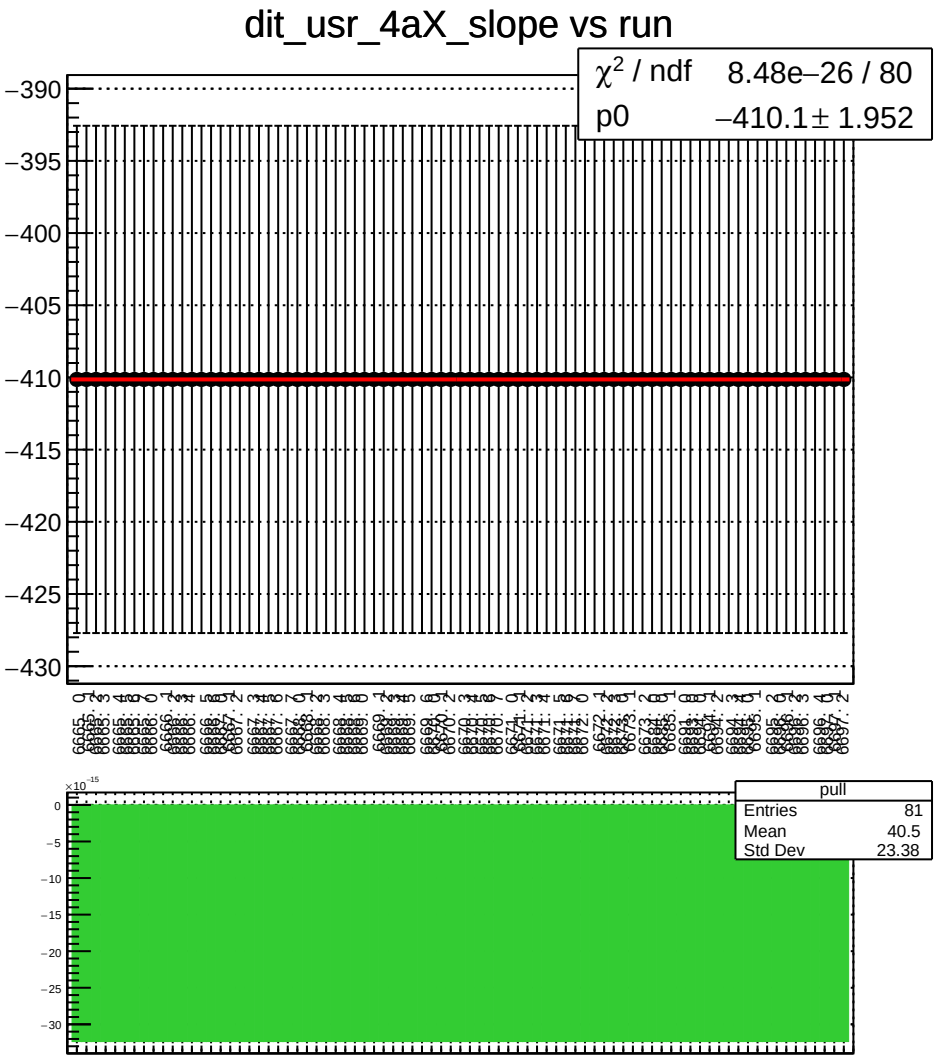

pull1D
Entries 81
Mean −6.967e−15
Std Dev 3.818e−22

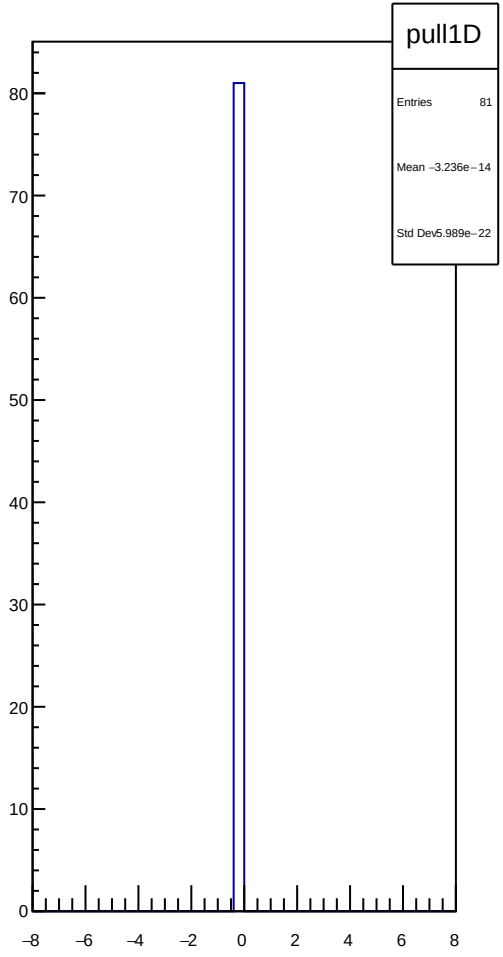

dit_usl_4aY_slope vs run
χ^2 / ndf 3.807e−27 / 80
p0 −3.323 ± 0.1008
pull
Entries 81
Mean 40.5
Std Dev 23.38

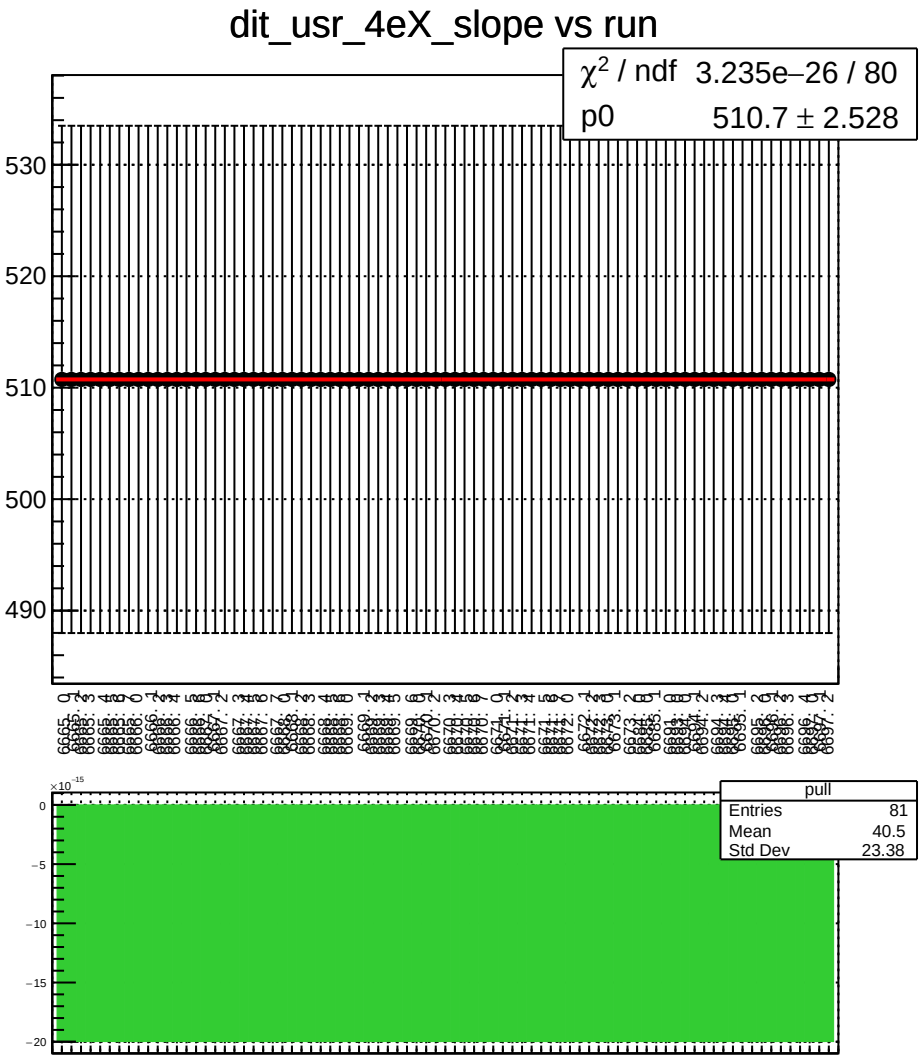

pull1D
Entries 81
Mean 6.856e−15
Std Dev 3.962e−22

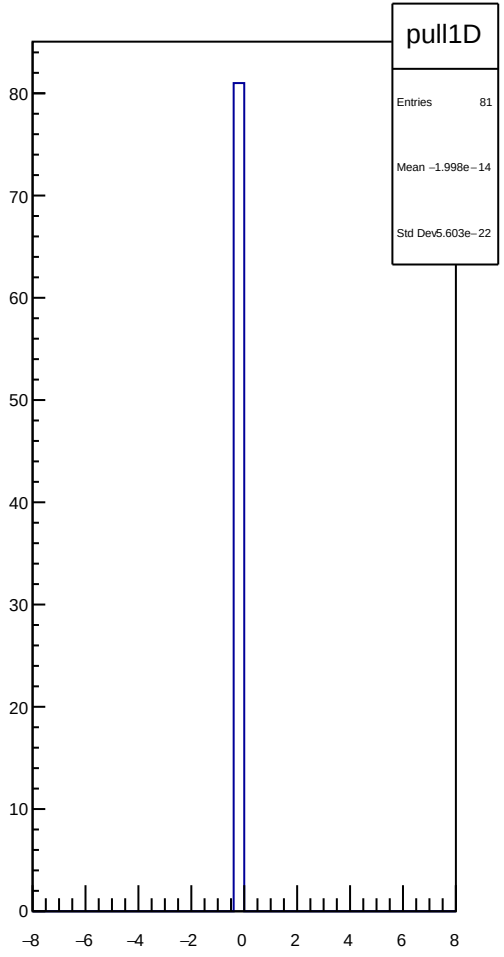

dit_usl_4eY_slope vs run
χ^2 / ndf 1.423e−27 / 80
p0 32.91 ± 0.1884
34.5
34
33.5
33
32.5
32
31.5
31
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
4
3.5
3
2.5
2
1.5
1
0.5
0

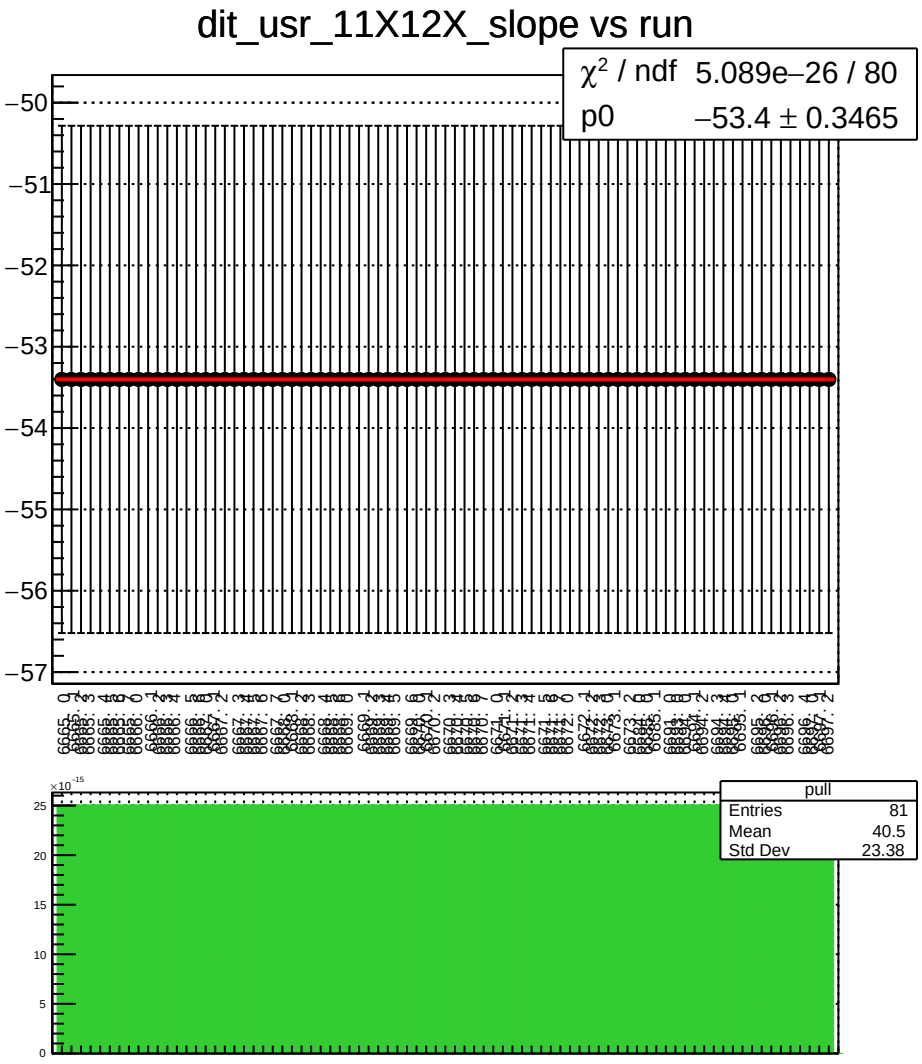

pull1D
Entries 81
Mean 4.191e−15
Std Dev 9.169e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

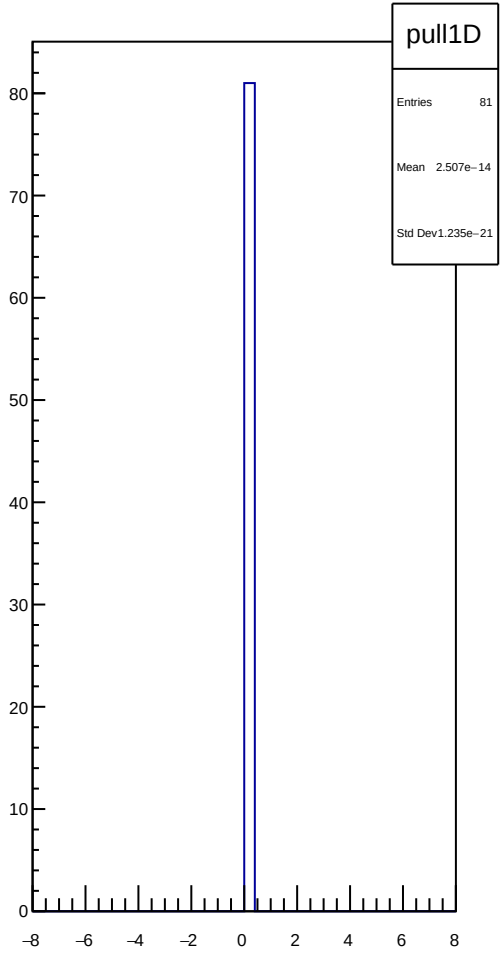

dit_usr_4aX_slope vs run
χ² / ndf 8.48e−26 / 80
p0 −410.1 ± 1.952
−390
−395
−400
−405
−410
−415
−420
−425
−430
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

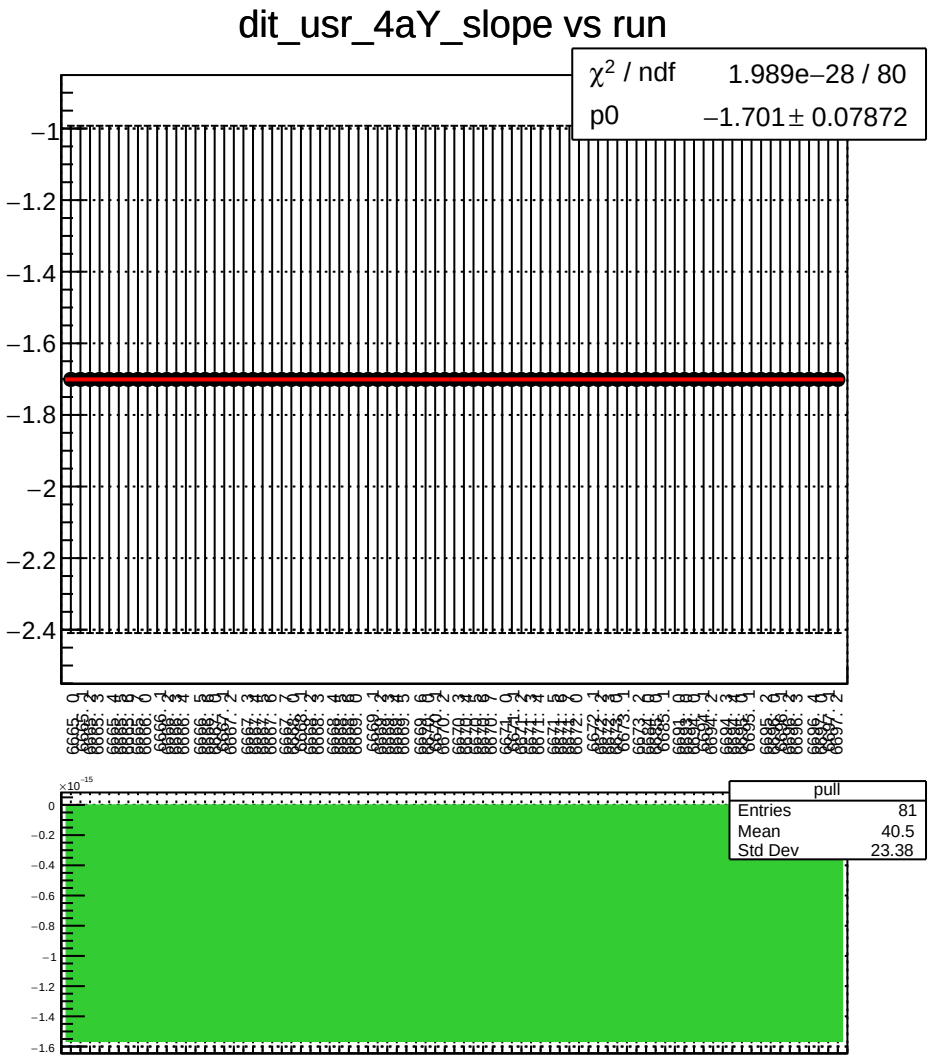

pull1D
Entries 81
Mean −3.236e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

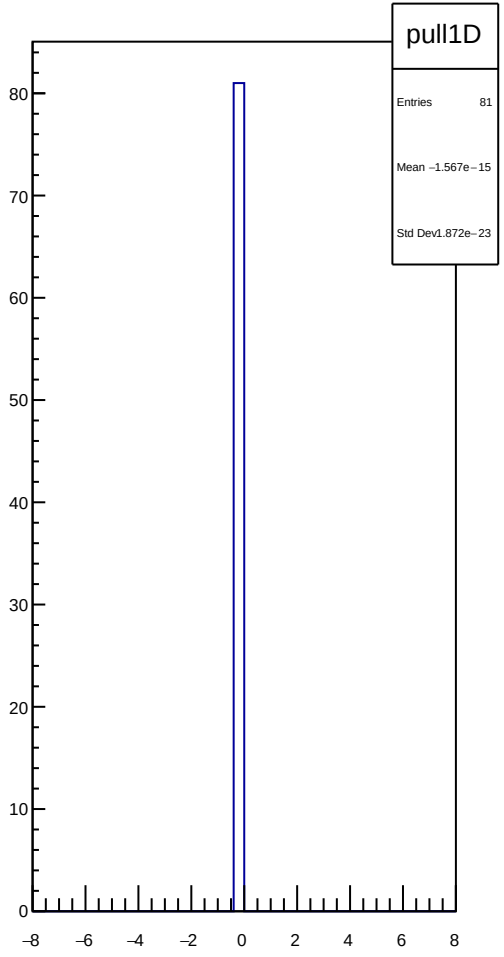

dit_usr_4eX_slope vs run
χ^2 / ndf 3.235e−26 / 80
p0 510.7 ± 2.528
530
520
510
500
490
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20

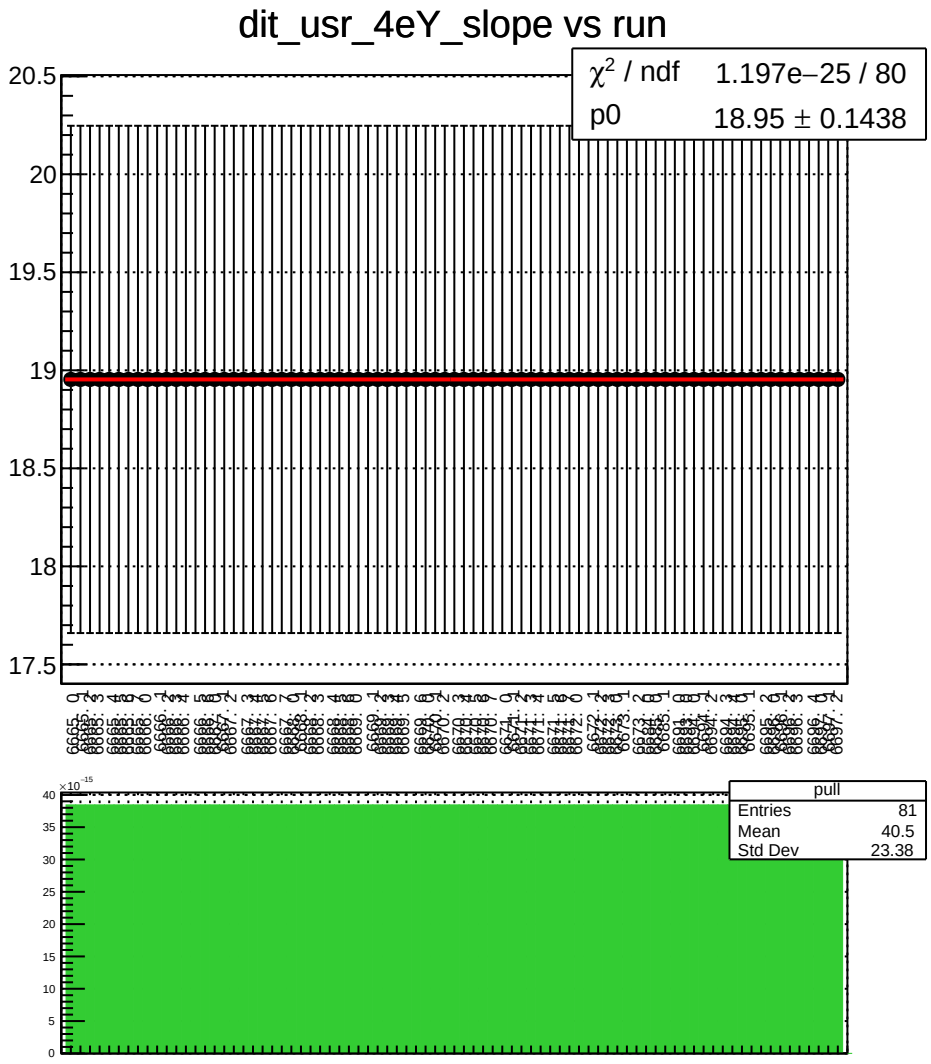

pull1D
Entries 81
Mean −1.998e−14
Std Dev 5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

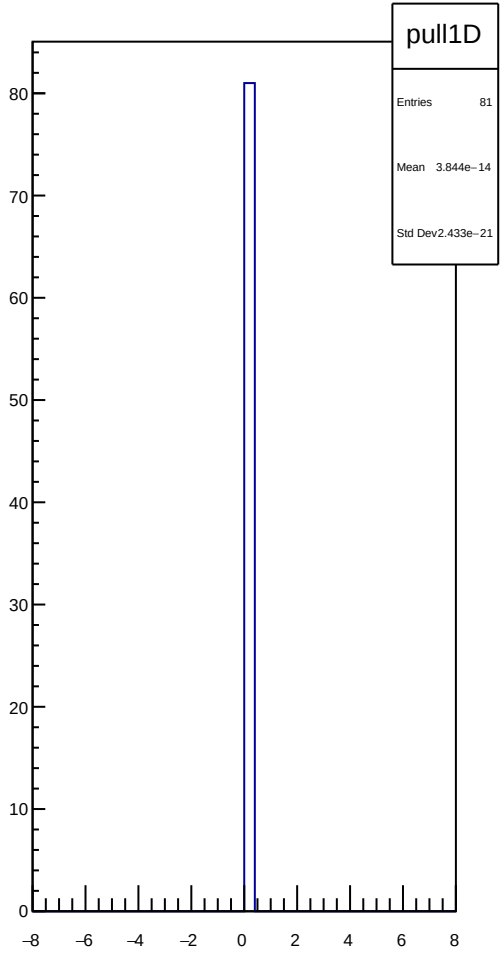

dit_usr_11X12X_slope vs run
χ² / ndf 5.089e−26 / 80
p0 −53.4 ± 0.3465
pull
Entries 81
Mean 40.5
Std Dev 23.38


pull1D
Entries 81
Mean 2.507e−14
Std Dev 1.235e−21

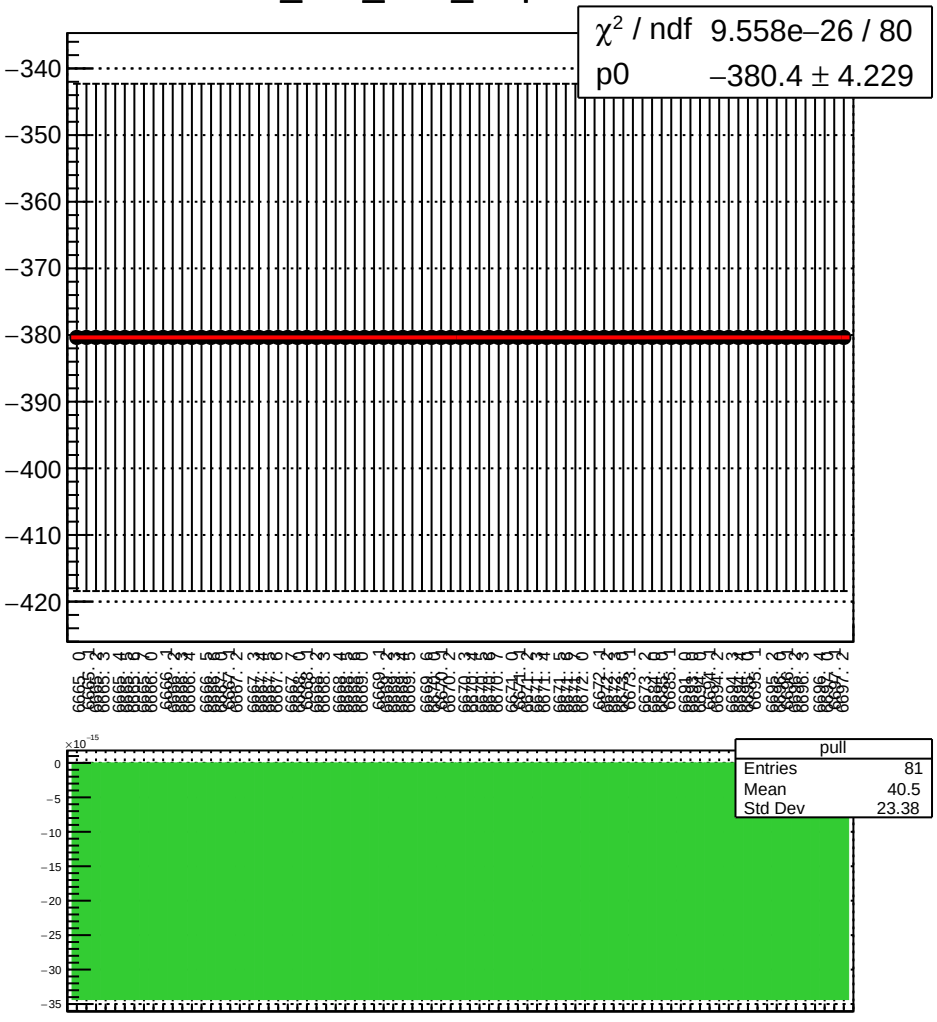

dit_usr_4aY_slope vs run
χ^2 / ndf 1.989e−28 / 80
p0 −1.701 ± 0.07872
pull
Entries 81
Mean 40.5
Std Dev 23.38

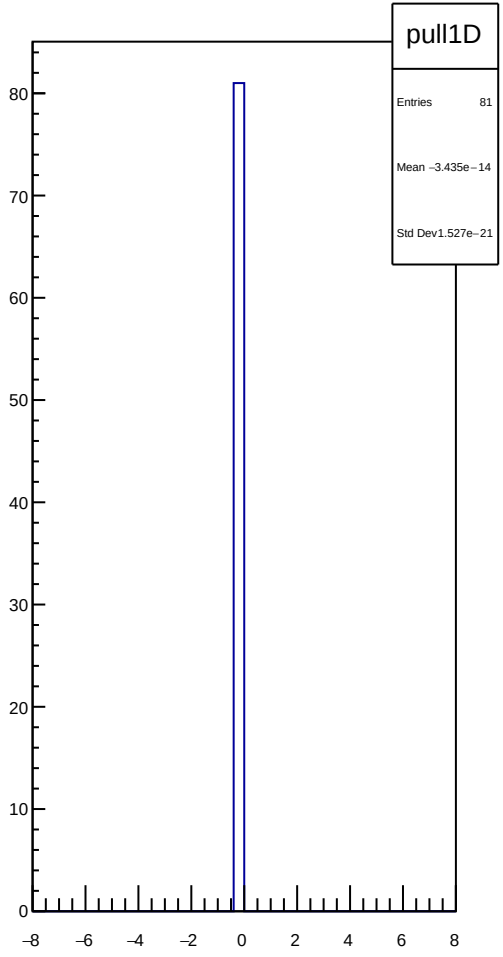

pull1D
Entries 81
Mean −1.567e−15
Std Dev1.872e−23

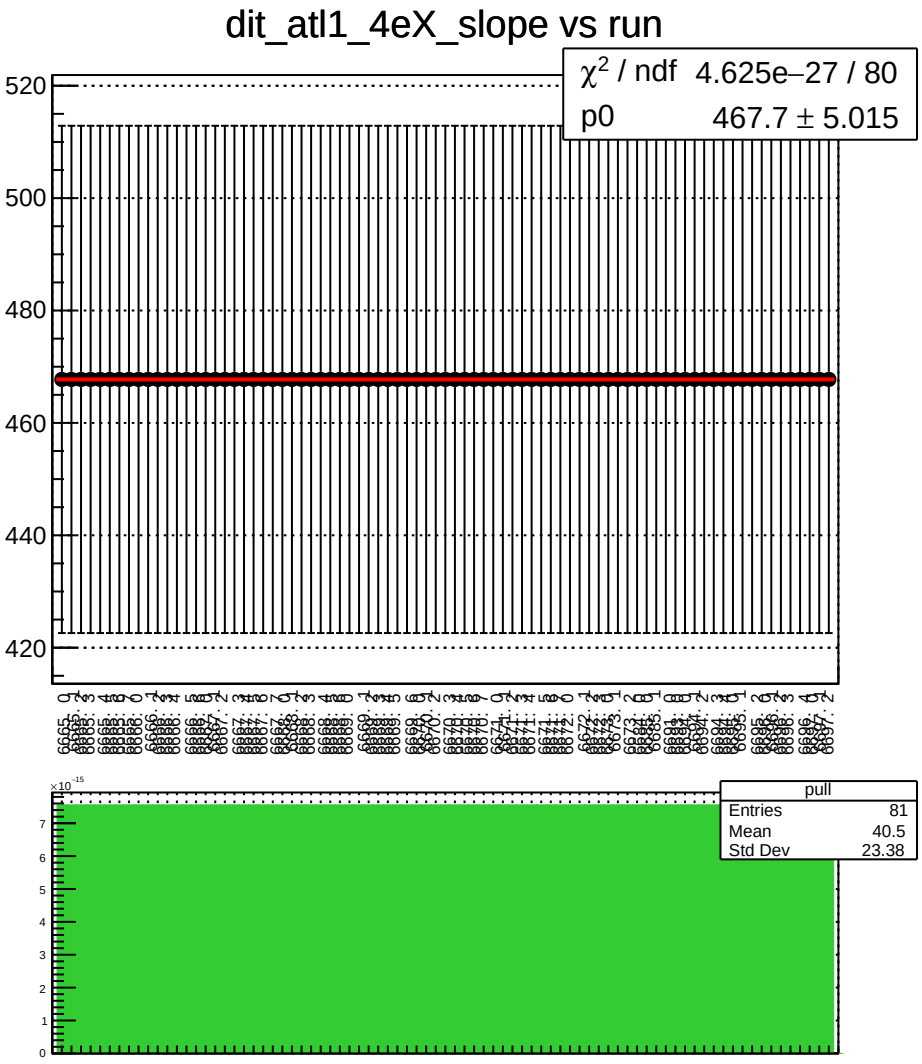

dit_usr_4eY_slope vs run
χ^2 / ndf 1.197e−25 / 80
p0 18.95 ± 0.1438
20.5
20
19.5
19
18.5
18
17.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
40
35
30
25
20
15
10
5
0

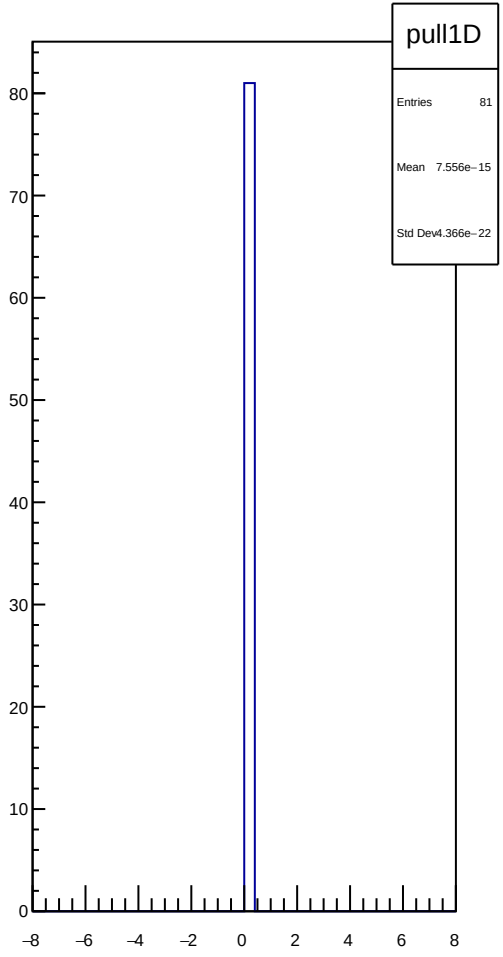

pull1D
Entries 81
Mean 3.844e−14
Std Dev 2.433e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

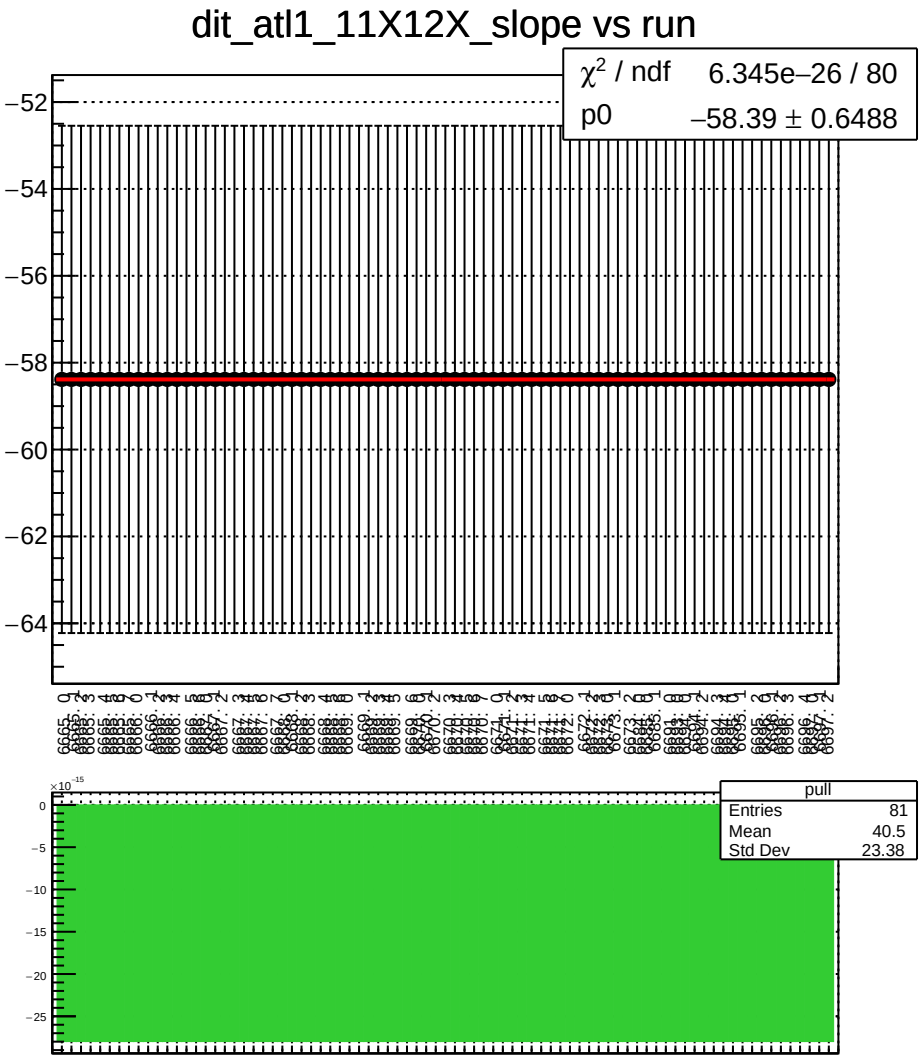
dit_atl1_4aX_slope vs run

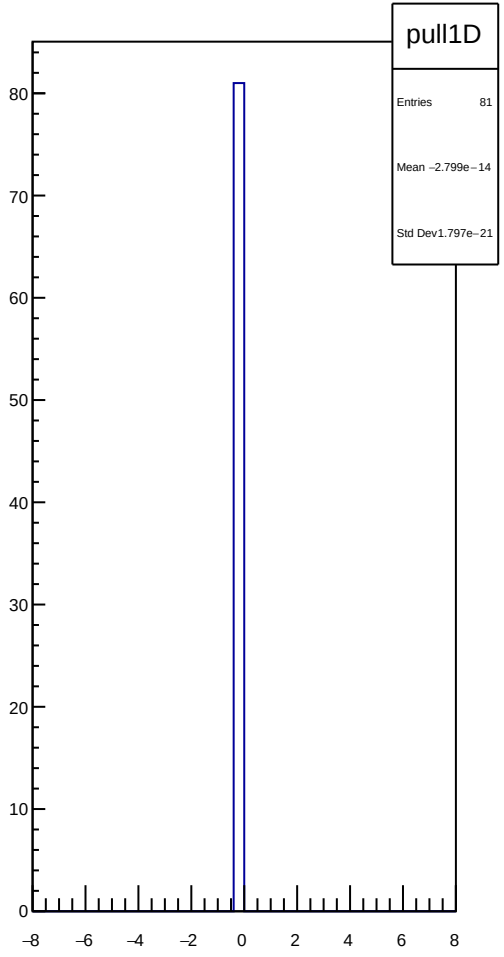


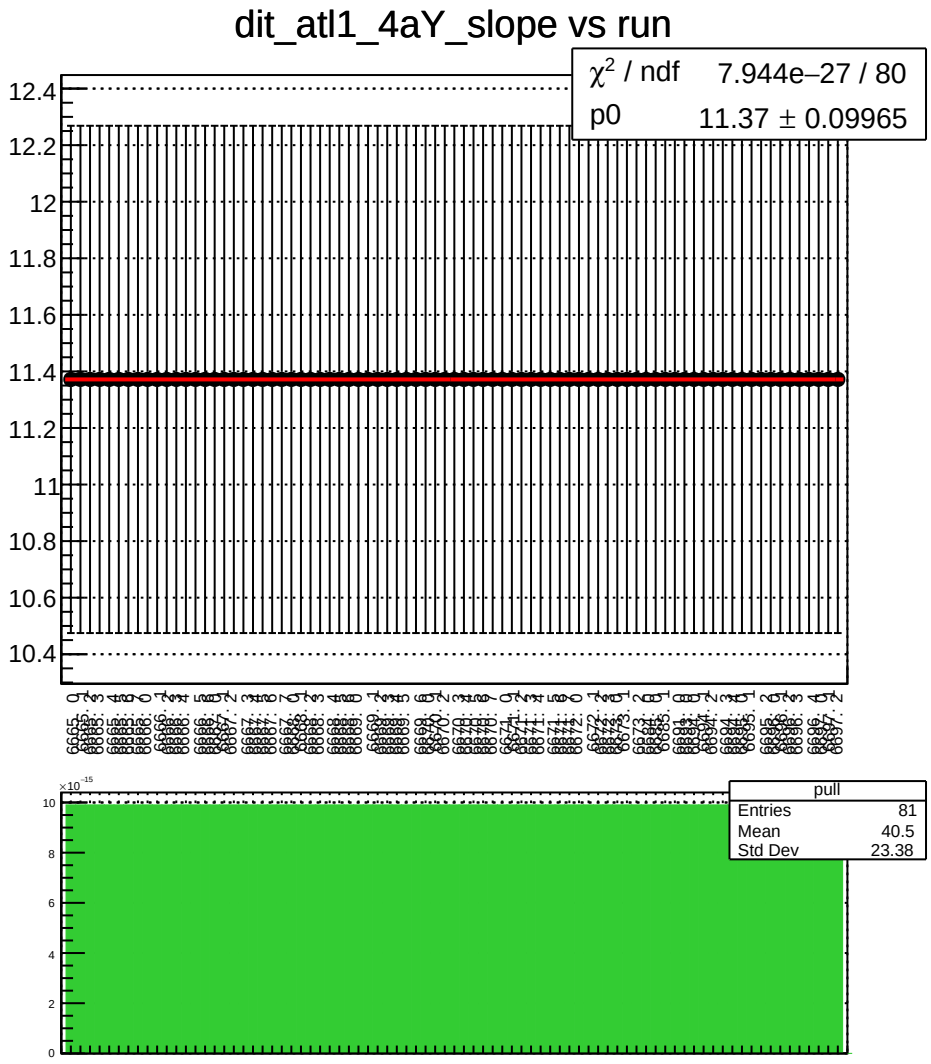


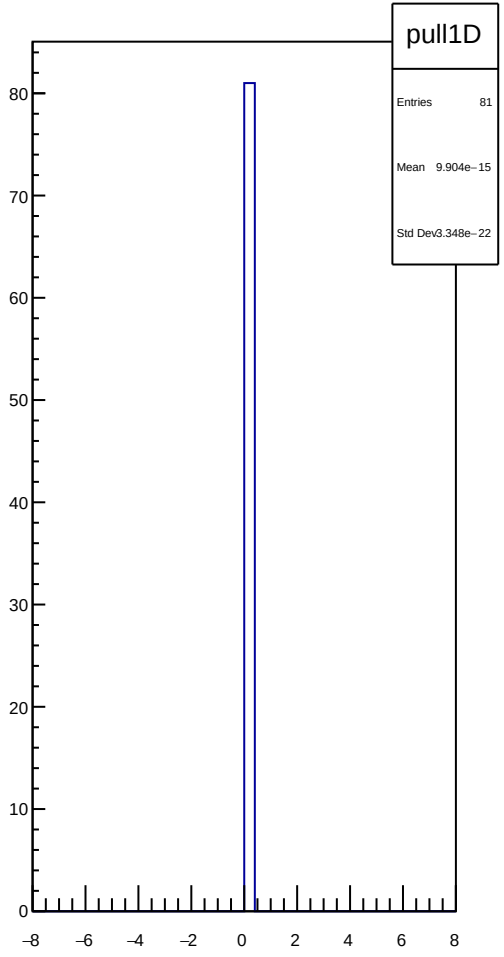

dit_atl1_4eX_slope vs run
χ^2 / ndf 4.625e−27 / 80
p0 467.7 ± 5.015
520
500
480
460
440
420
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
7
6
5
4
3
2
1
0

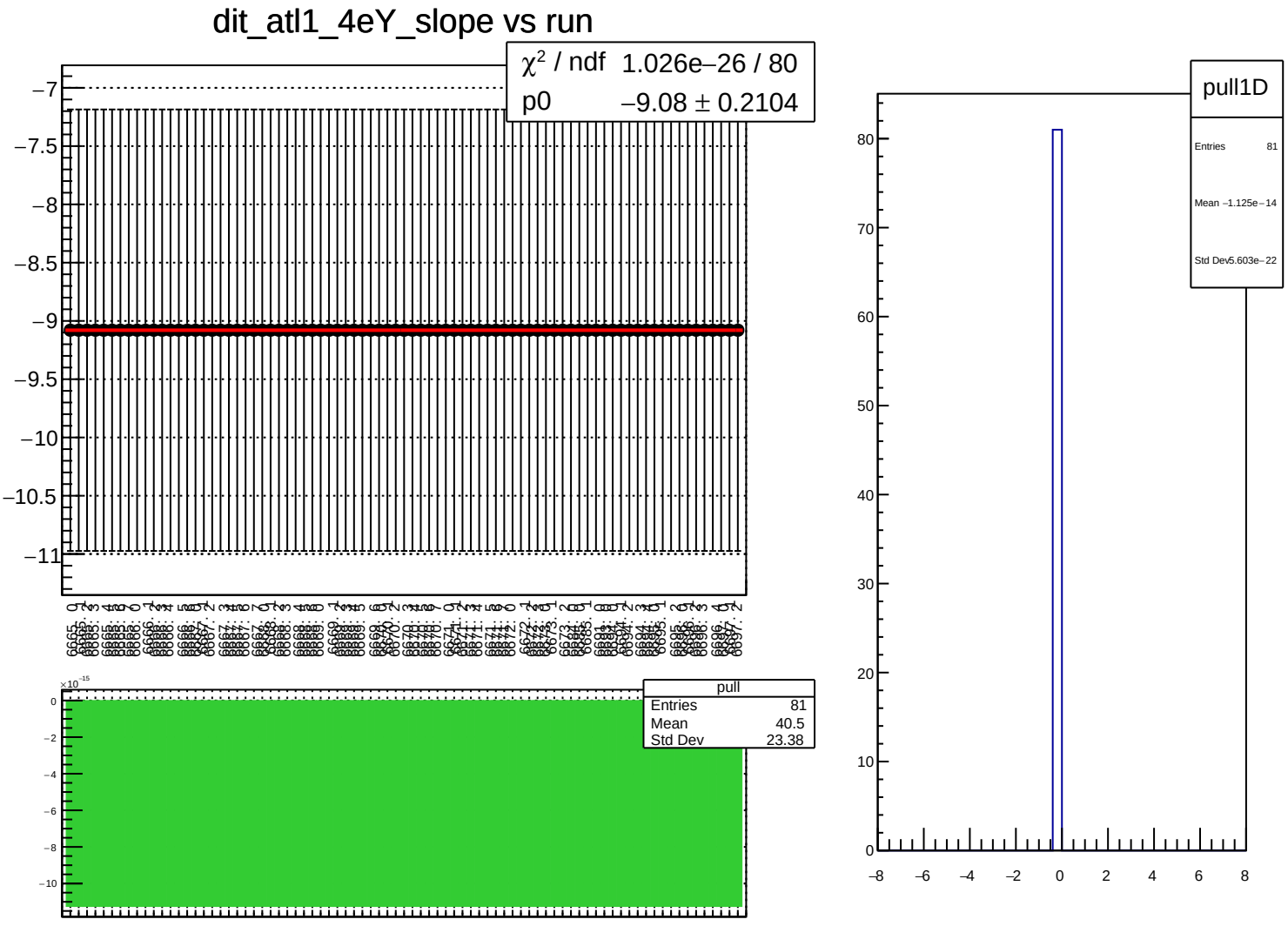

pull1D
Entries 81
Mean 7.556e−15
Std Dev4.366e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

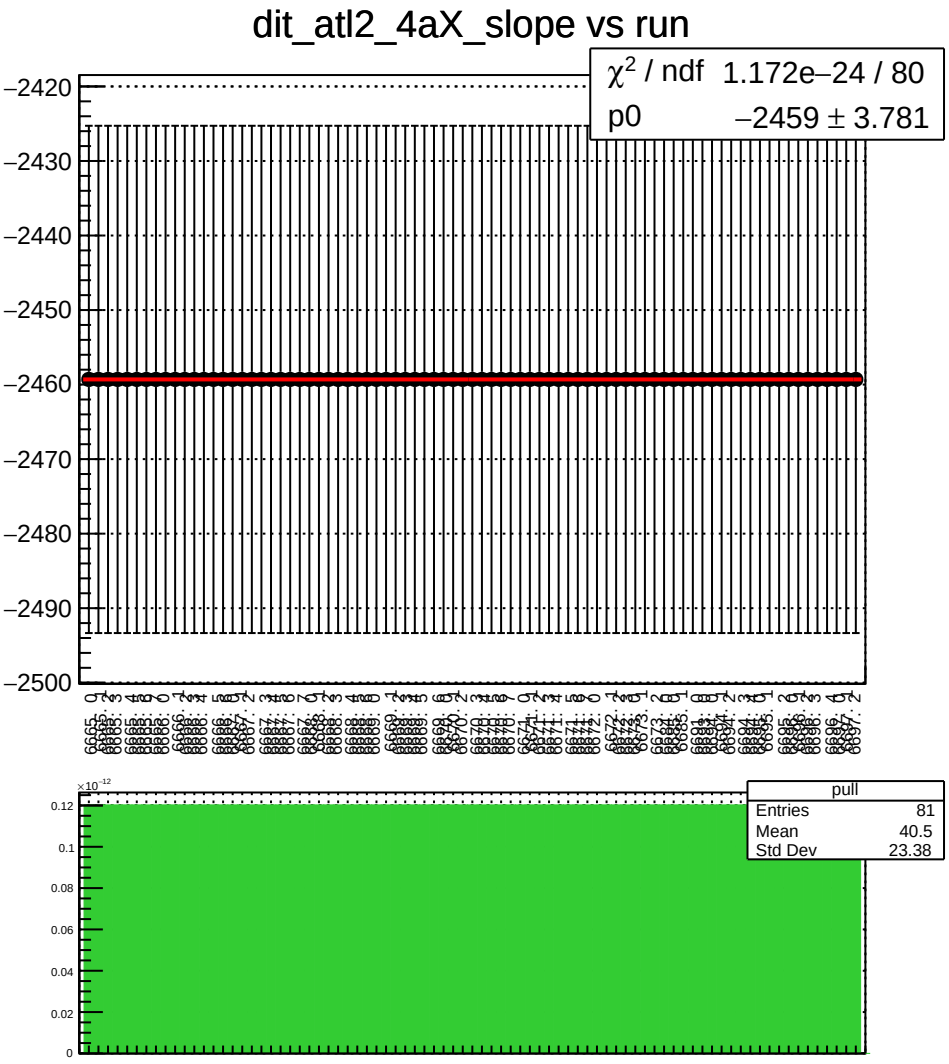

dit_atl1_11X12X_slope vs run
χ^2 / ndf 6.345e−26 / 80
p0 −58.39 ± 0.6488
pull
Entries 81
Mean 40.5
Std Dev 23.38

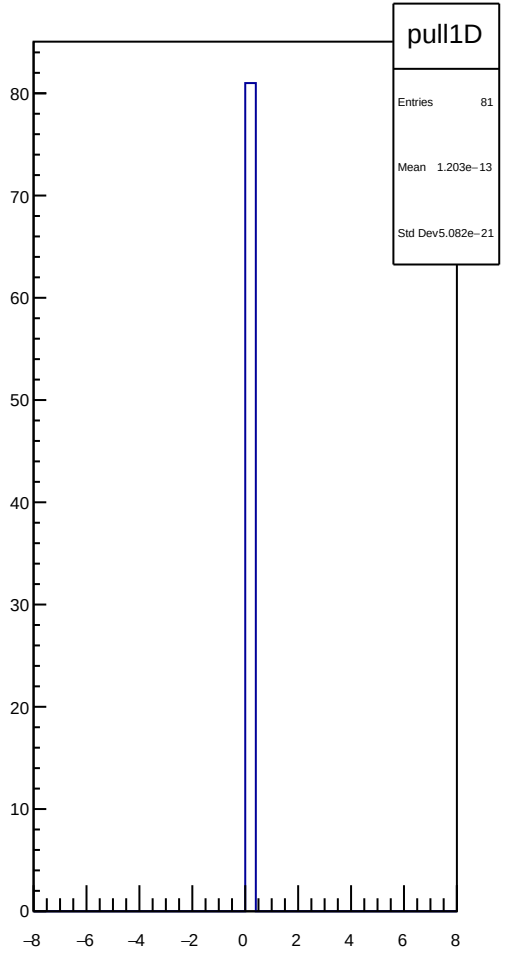

pull1D
Entries 81
Mean −2.799e−14
Std Dev1.797e−21

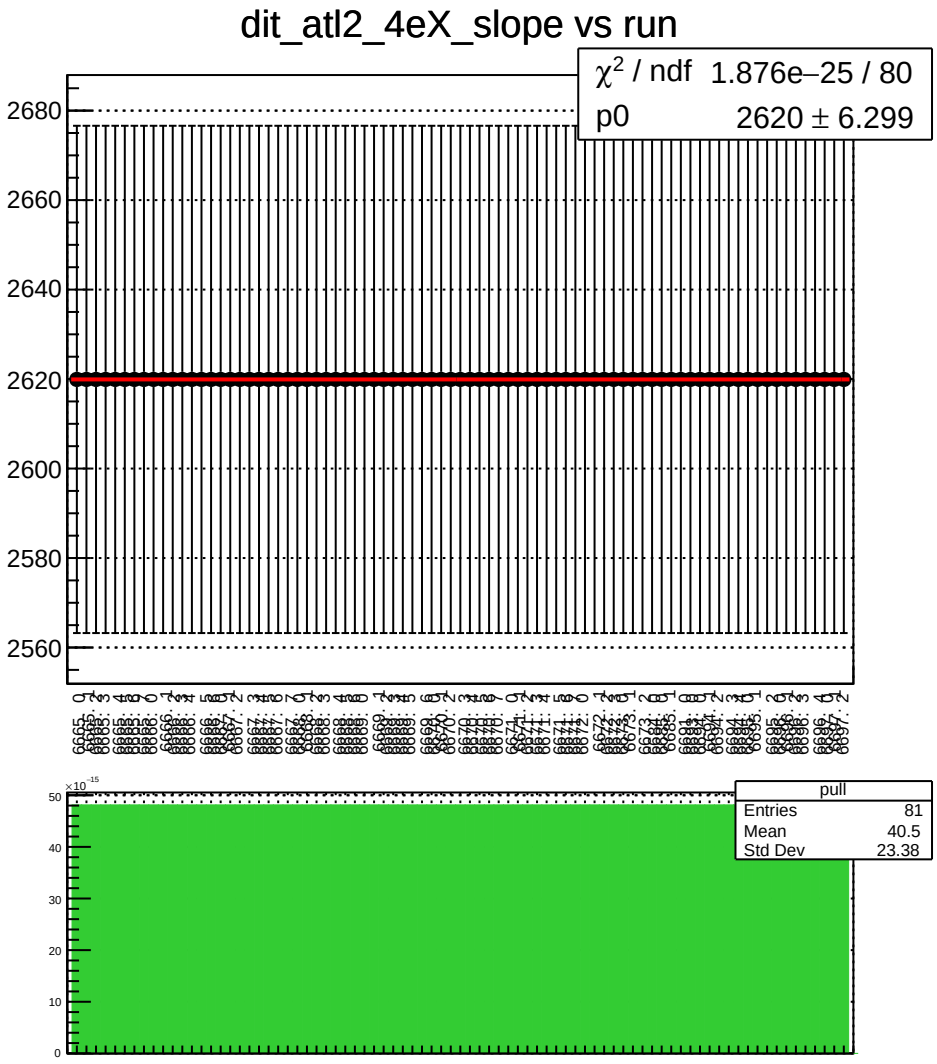

dit_atl1_4aY_slope vs run
χ^2 / ndf 7.944e−27 / 80
p0 11.37 ± 0.09965
pull
Entries 81
Mean 40.5
Std Dev 23.38

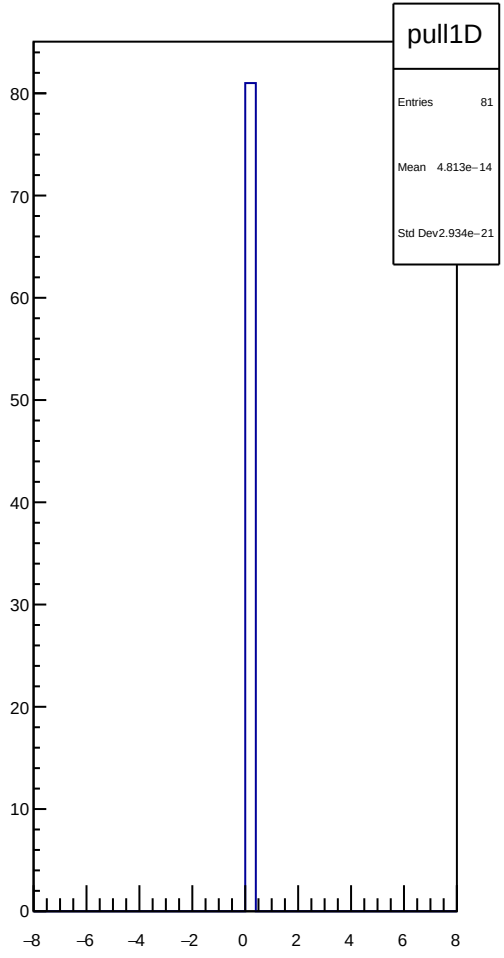

pull1D
Entries 81
Mean 9.904e−15
Std Dev 3.348e−22

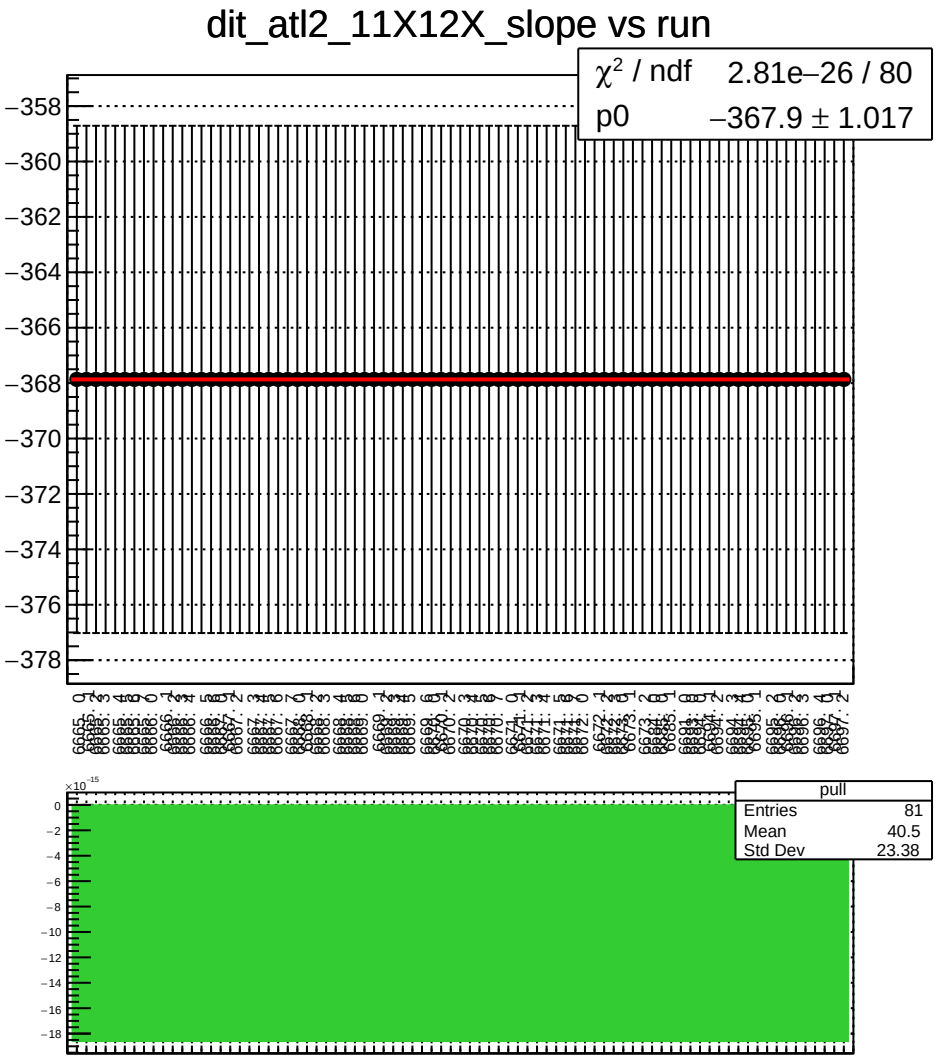

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.026e−26 / 80
p0 −9.08 ± 0.2104
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −1.125e−14
Std Dev 5.603e−22

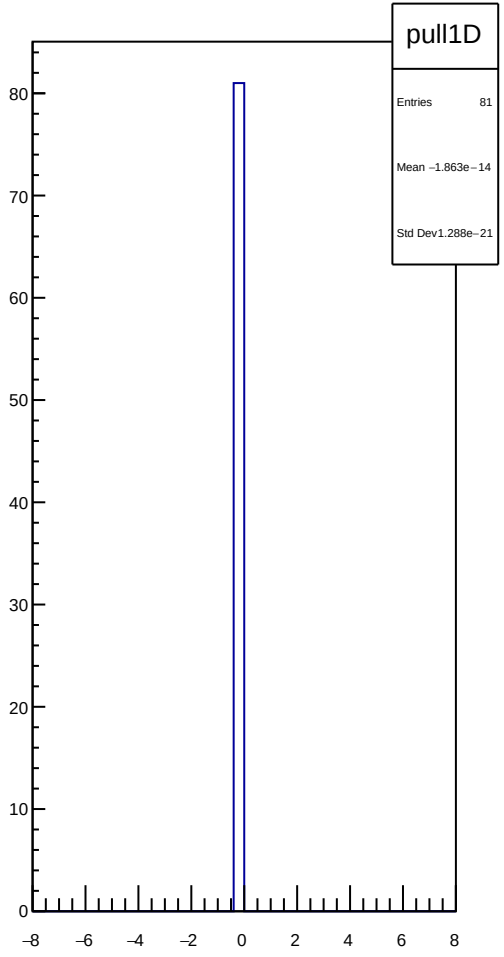

dit_atl2_4aX_slope vs run
χ^2 / ndf 1.172e−24 / 80
p0 −2459 ± 3.781
−2420
−2430
−2440
−2450
−2460
−2470
−2480
−2490
−2500
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

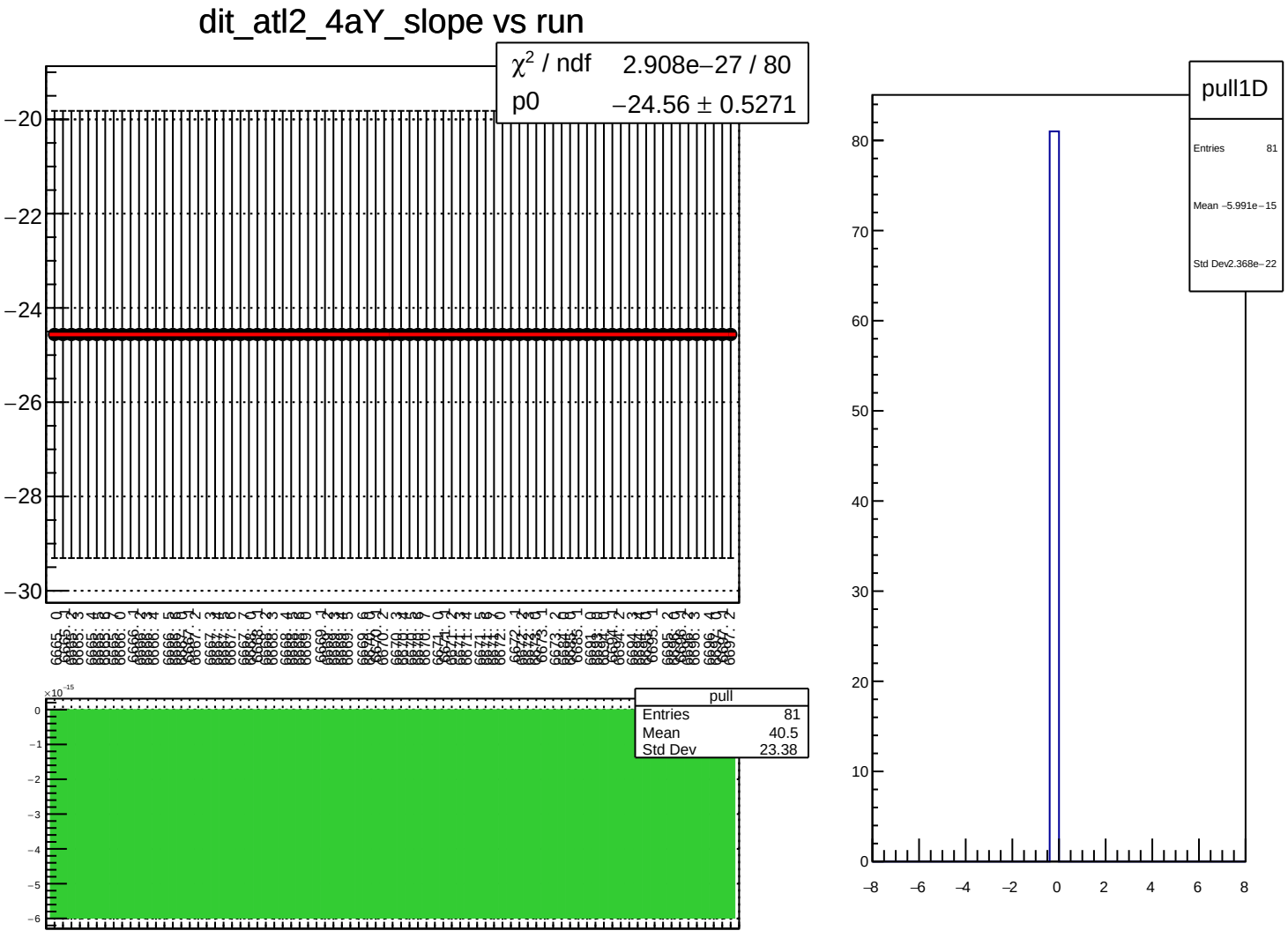

pull1D
Entries 81
Mean 1.203e−13
Std Dev 5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

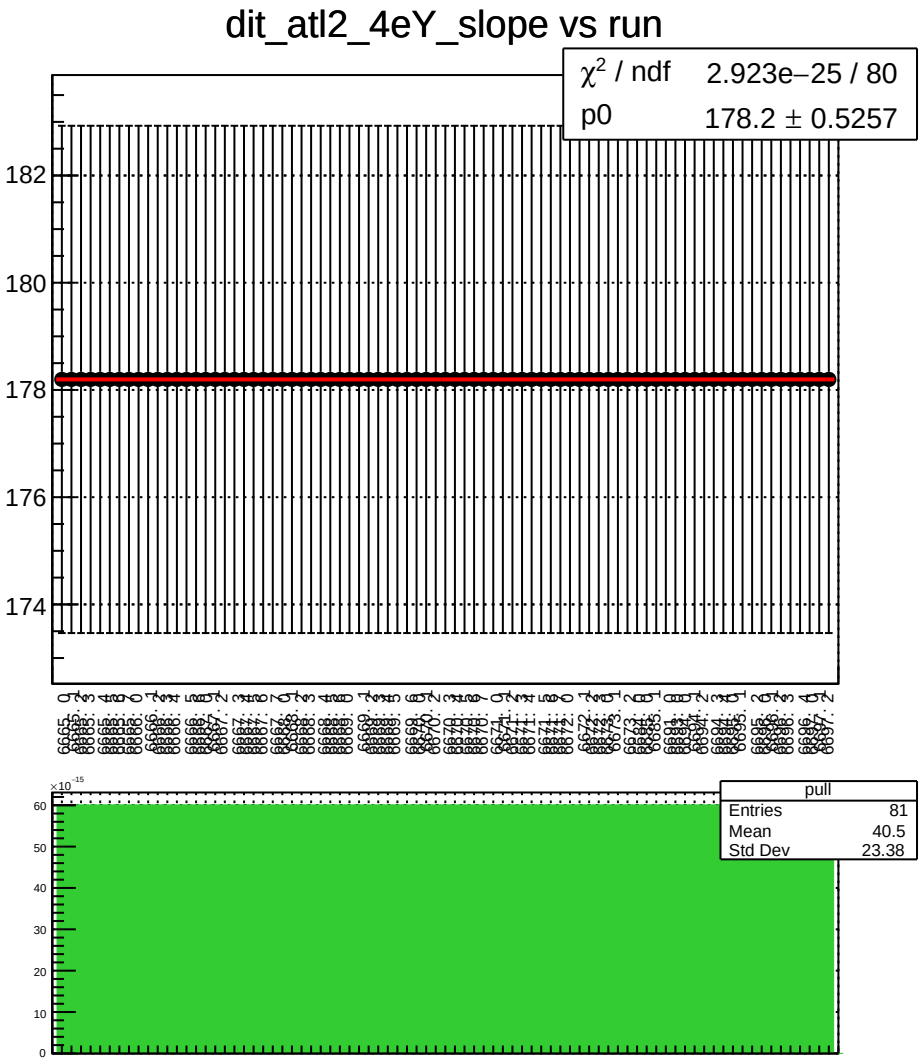

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.876e−25 / 80
p0 2620 ± 6.299
2680
2660
2640
2620
2600
2580
2560
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-15}$
50
40
30
20
10
0

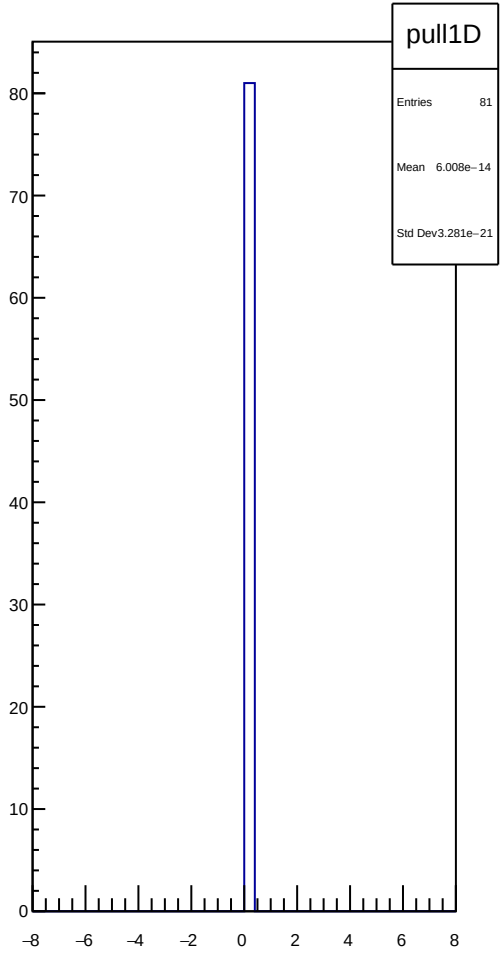

pull1D
Entries 81
Mean 4.813e−14
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

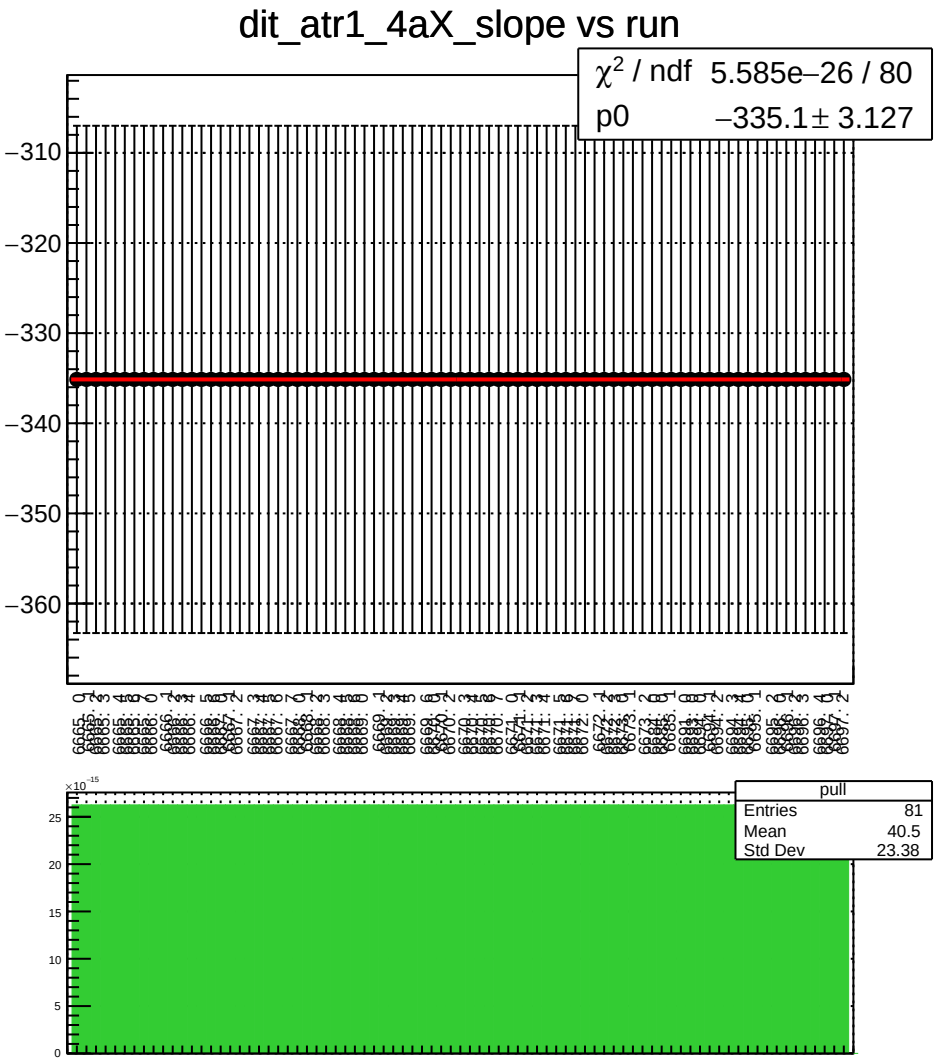

dit_atl2_11X12X_slope vs run
χ² / ndf 2.81e−26 / 80
p0 −367.9 ± 1.017
pull
Entries 81
Mean 40.5
Std Dev 23.38

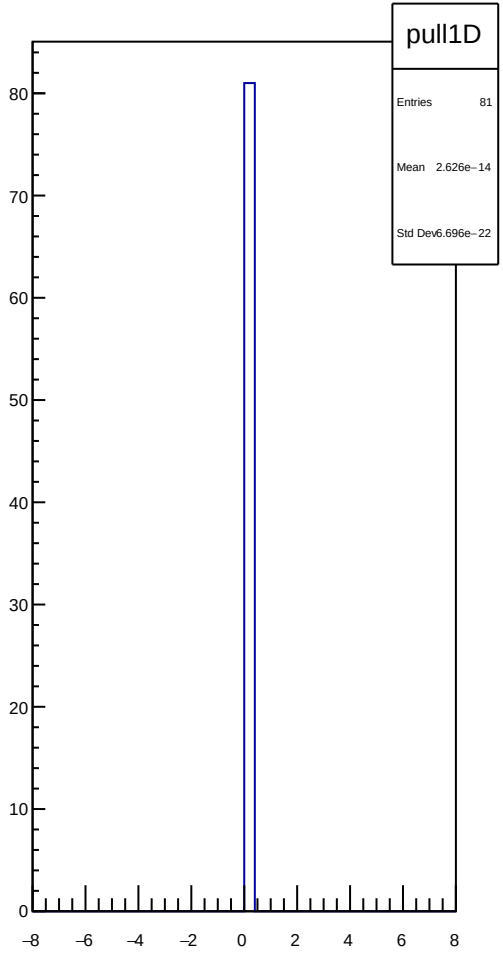

pull1D
Entries 81
Mean −1.863e−14
Std Dev 1.288e−21


dit_atl2_4aY_slope vs run
χ^2 / ndf 2.908e−27 / 80
p0 −24.56 ± 0.5271
pull
Entries 81
Mean 40.5
Std Dev 23.38
pull1D
Entries 81
Mean −5.991e−15
Std Dev 2.368e−22

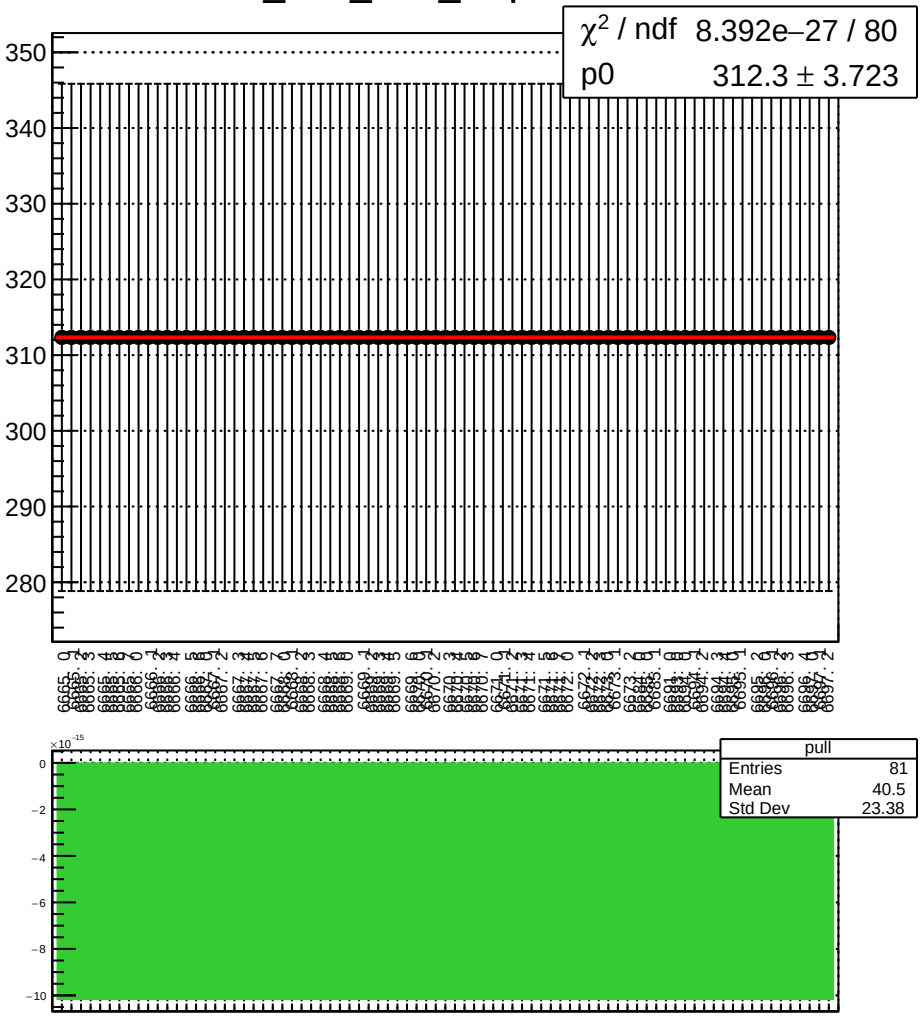

dit_atl2_4eY_slope vs run
χ^2 / ndf 2.923e−25 / 80
p0 178.2 ± 0.5257
182
180
178
176
174
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
60
50
40
30
20
10
0

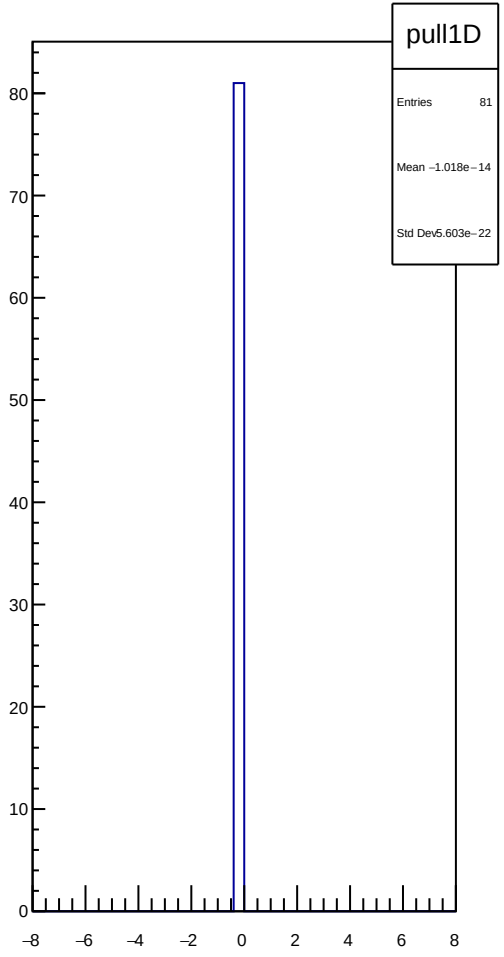

pull1D
Entries 81
Mean 6.008e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

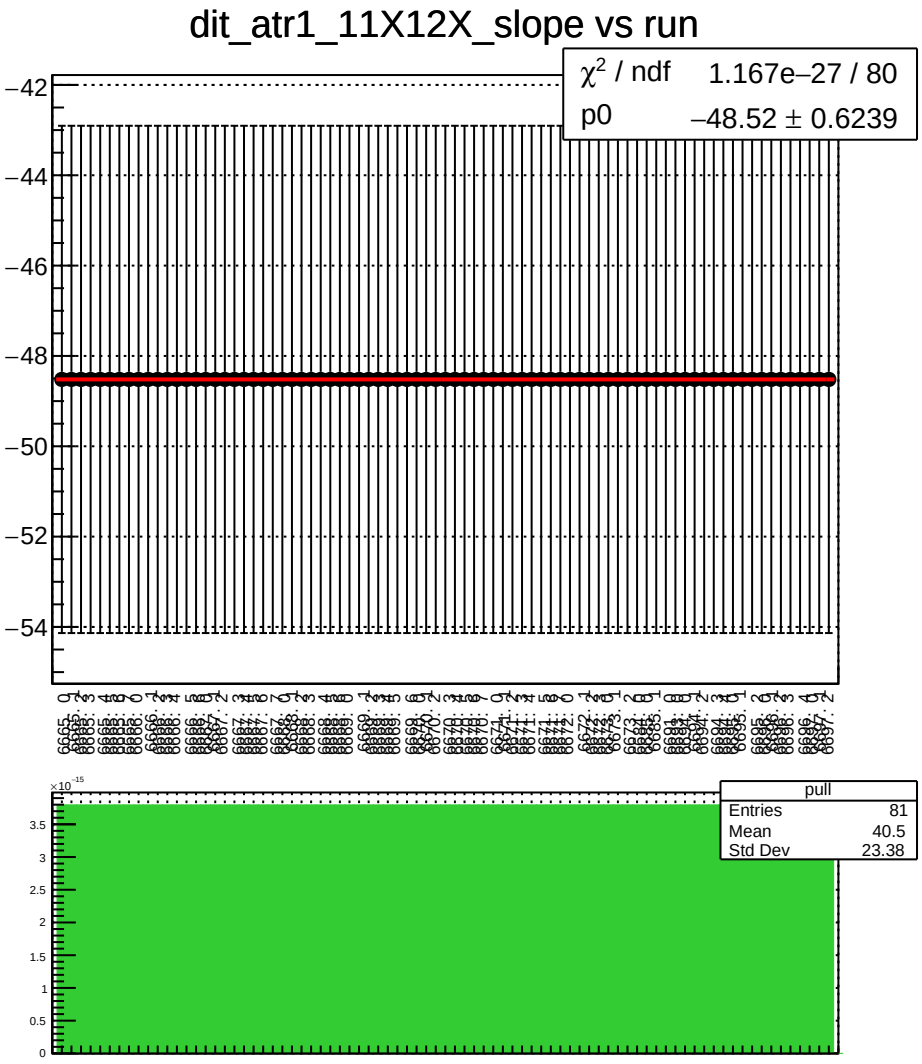

dit_atr1_4aX_slope vs run
χ^2 / ndf 5.585e−26 / 80
p0 −335.1 ± 3.127
−310
−320
−330
−340
−350
−360
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
25
20
15
10
5
0

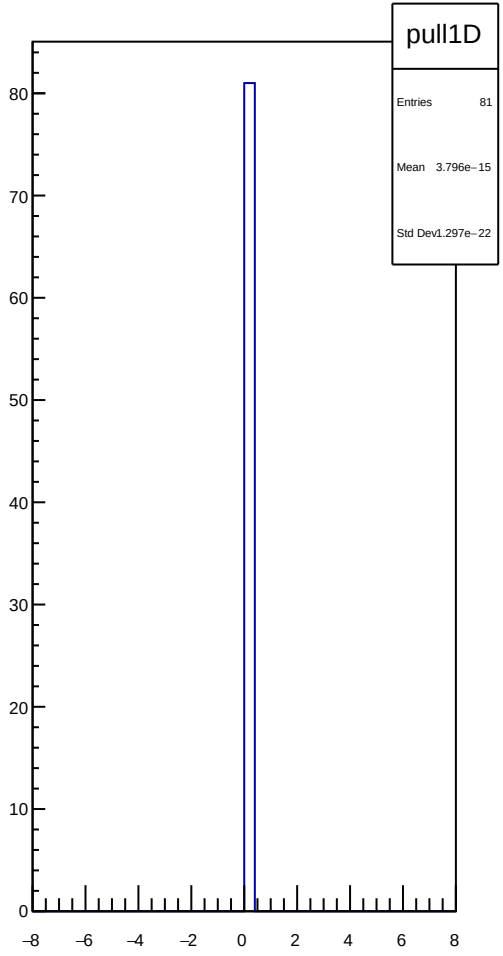

pull1D
Entries 81
Mean 2.626e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

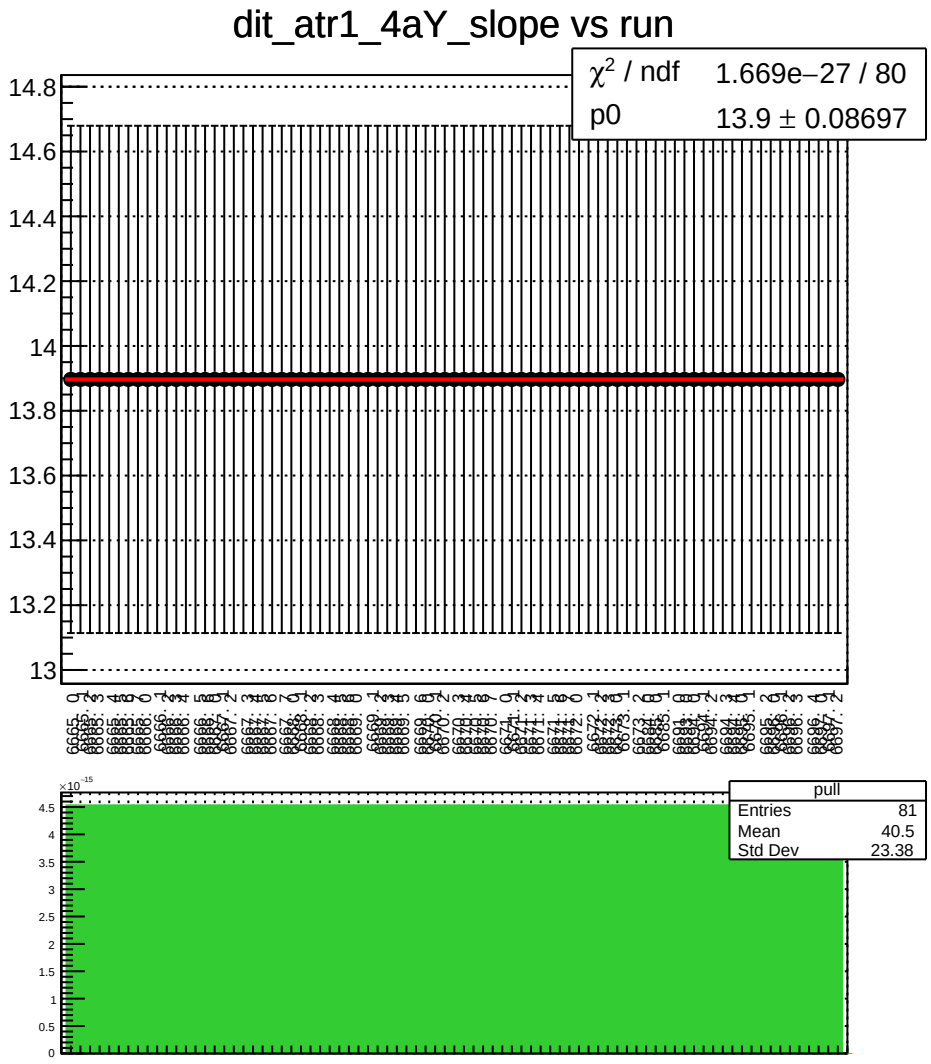
dit_atr1_4eX_slope vs run

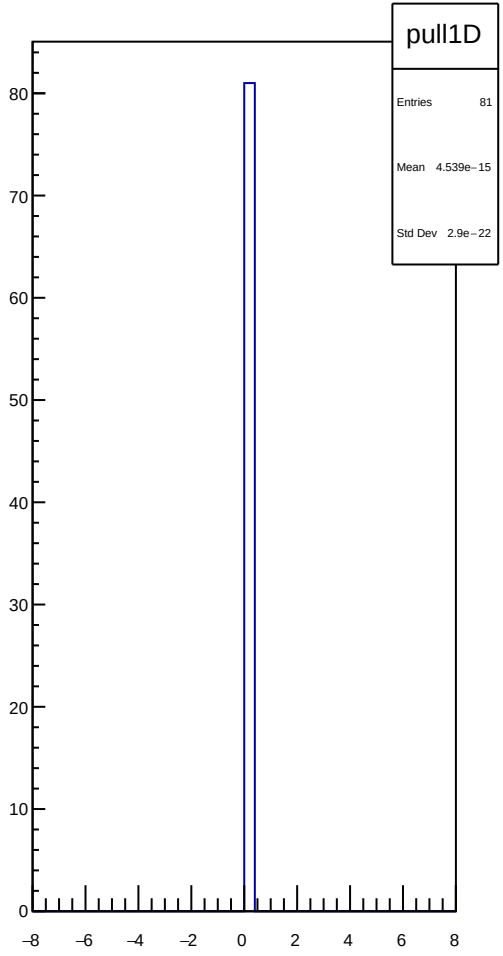


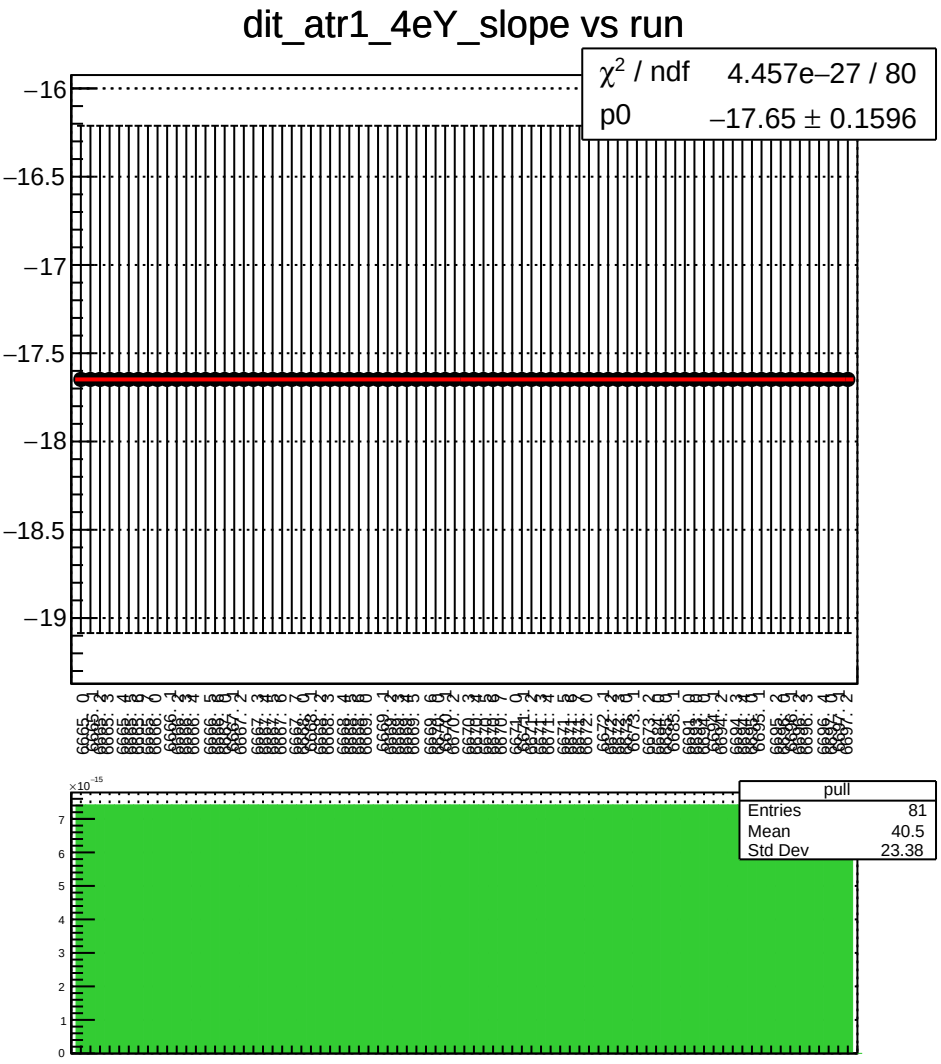


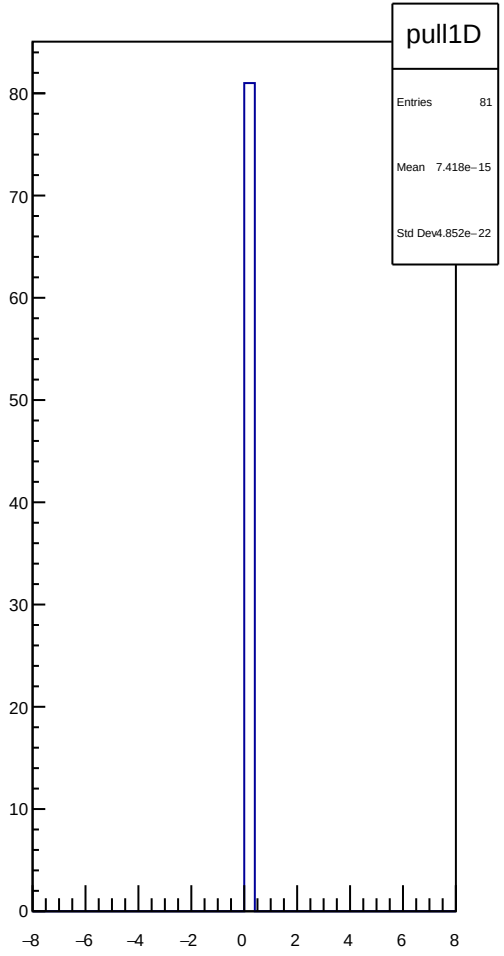

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.167e−27 / 80
p0 −48.52 ± 0.6239
−42
−44
−46
−48
−50
−52
−54
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

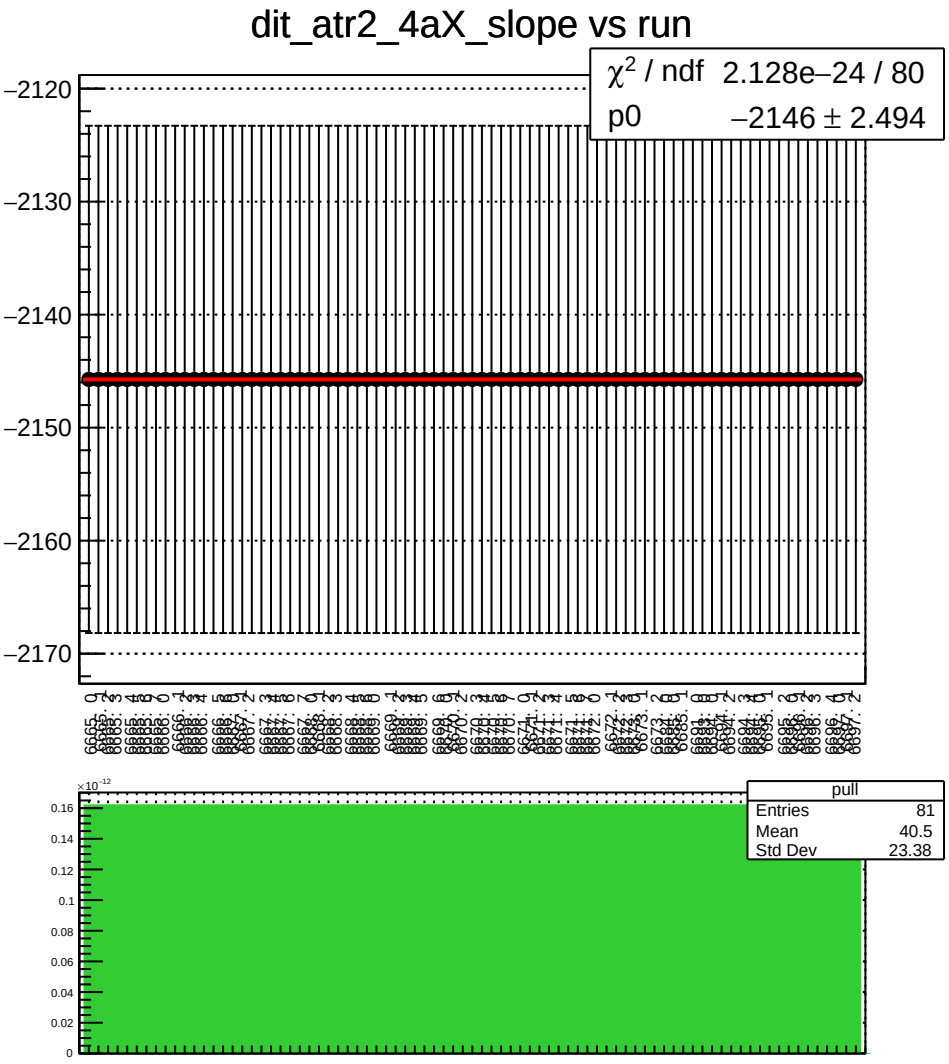

pull1D
Entries 81
Mean 3.796e−15
Std Dev 1.297e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

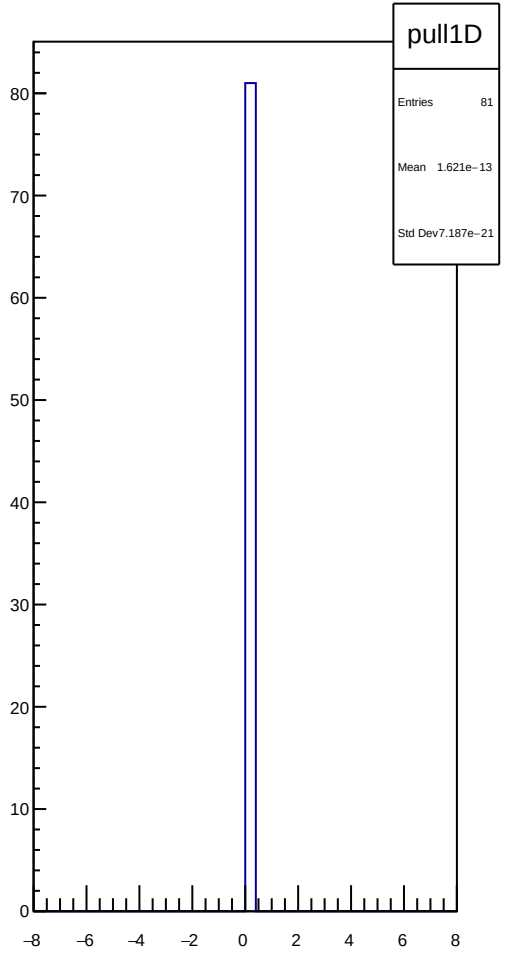

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.669e−27 / 80
p0 13.9 ± 0.08697
pull
Entries 81
Mean 40.5
Std Dev 23.38

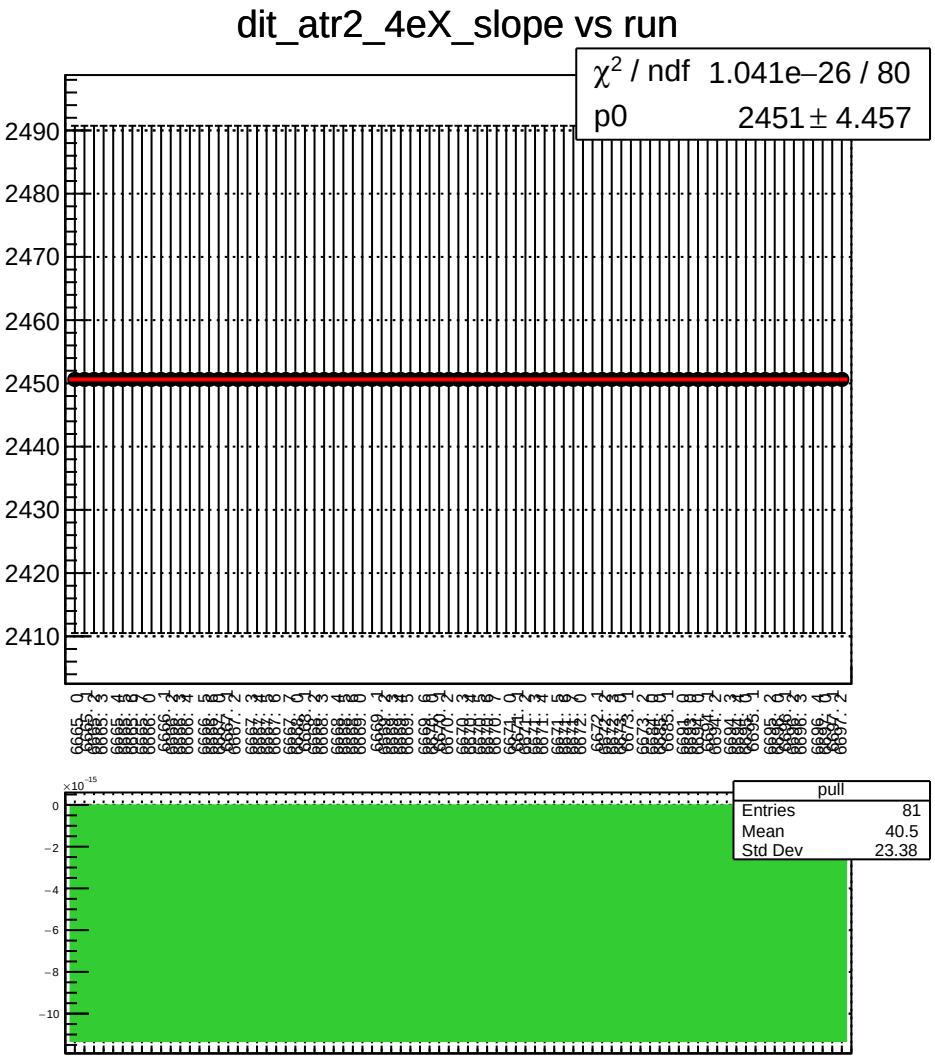

pull1D
Entries 81
Mean 4.539e−15
Std Dev 2.9e−22

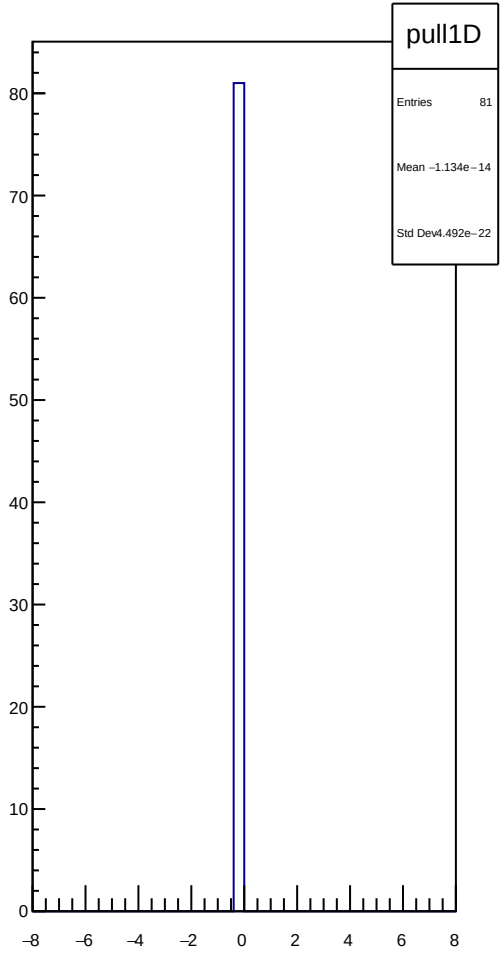

dit_atr1_4eY_slope vs run
χ^2 / ndf 4.457e−27 / 80
p0 −17.65 ± 0.1596
−16
−16.5
−17
−17.5
−18
−18.5
−19
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15

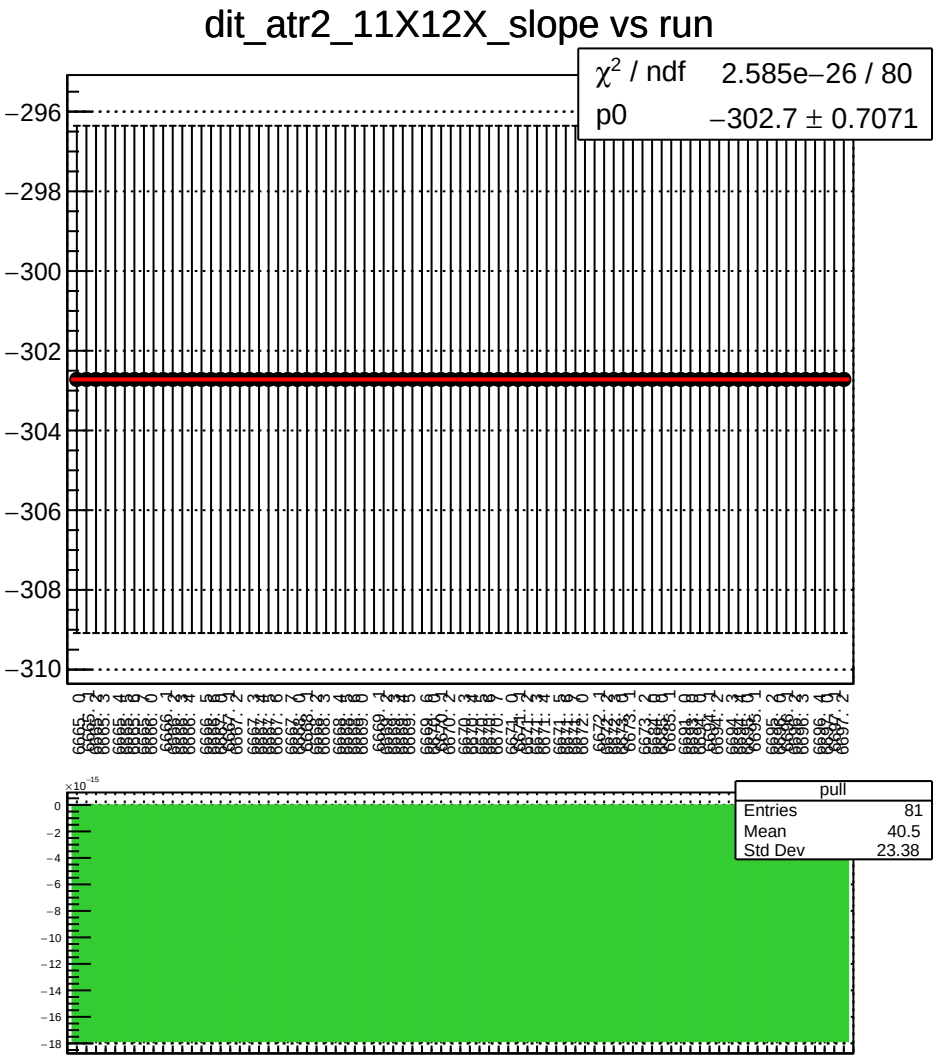

pull1D
Entries 81
Mean 7.418e−15
Std Dev 4.852e−22

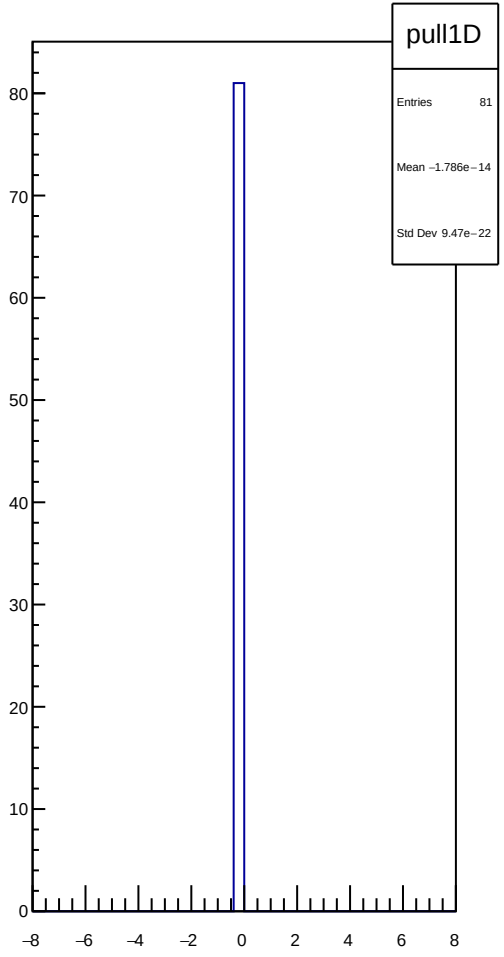

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.128e−24 / 80
p0 −2146 ± 2.494
−2120
−2130
−2140
−2150
−2160
−2170
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

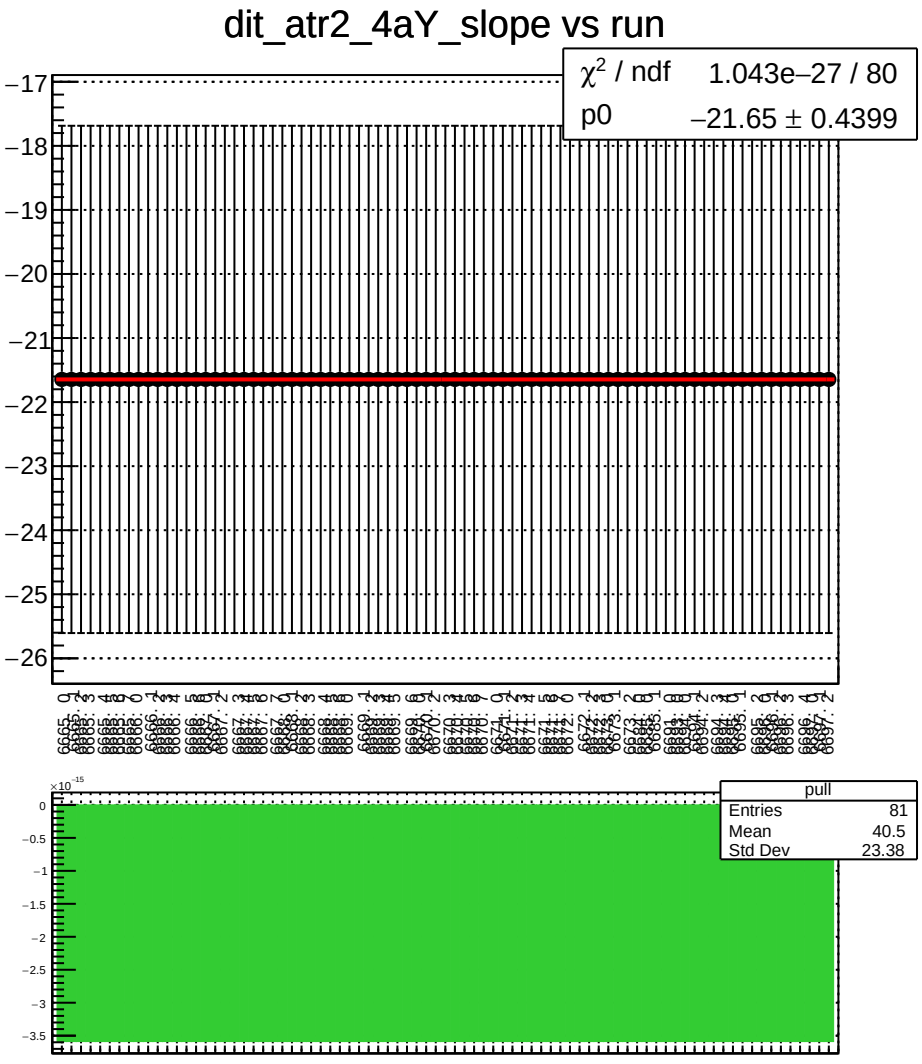

pull1D
Entries 81
Mean 1.621e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

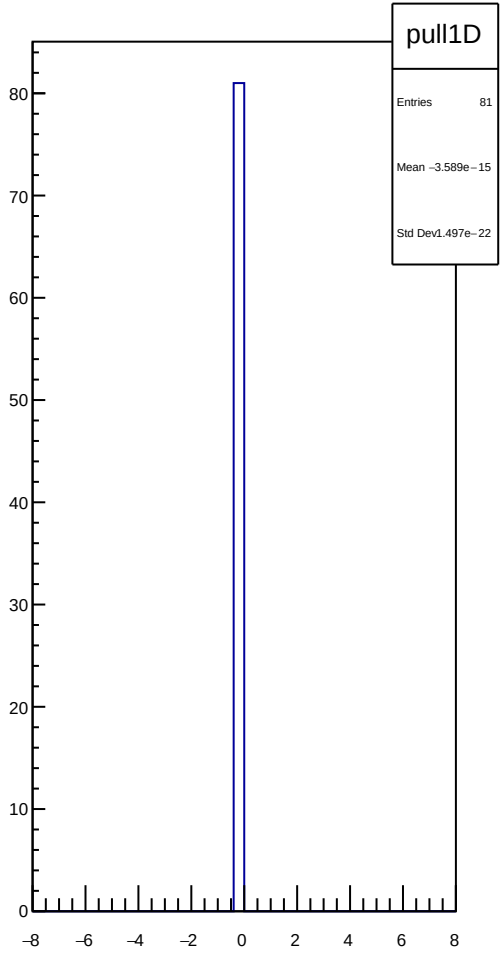

dit_atr2_4eX_slope vs run
χ² / ndf 1.041e−26 / 80
p0 2451 ± 4.457
2490
2480
2470
2460
2450
2440
2430
2420
2410
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−2
−4
−6
−8
−10

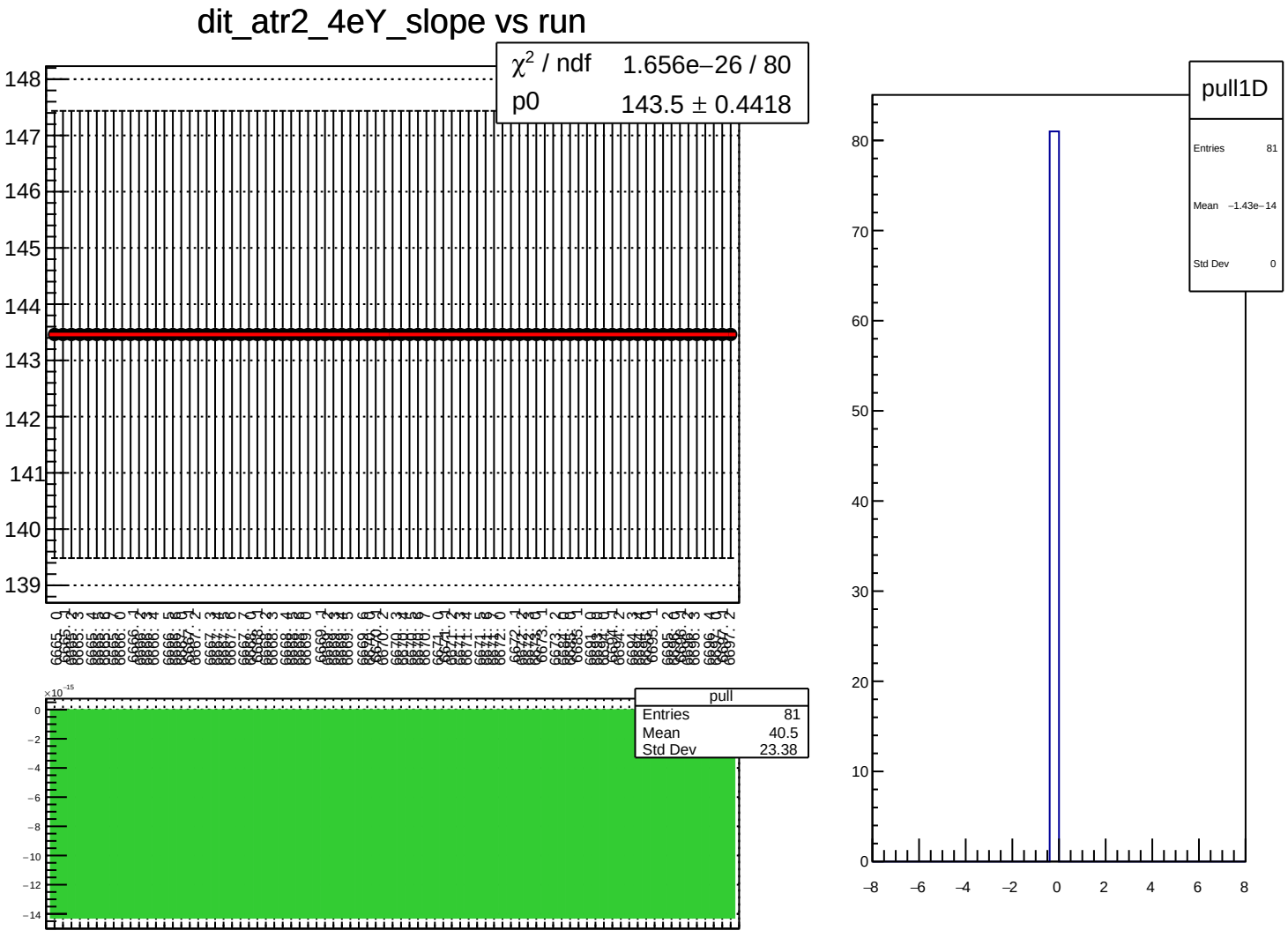

pull1D
Entries 81
Mean −1.134e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

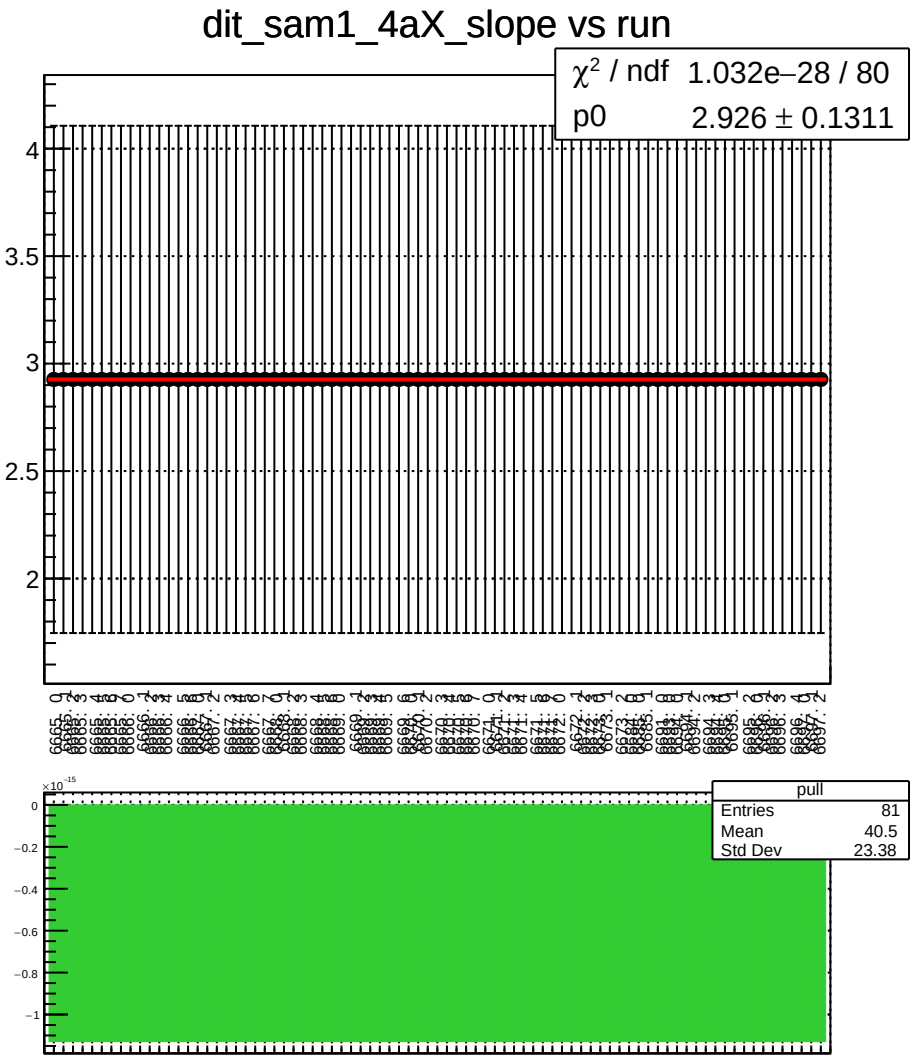

dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.585e−26 / 80
p0 −302.7 ± 0.7071
−296
−298
−300
−302
−304
−306
−308
−310
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

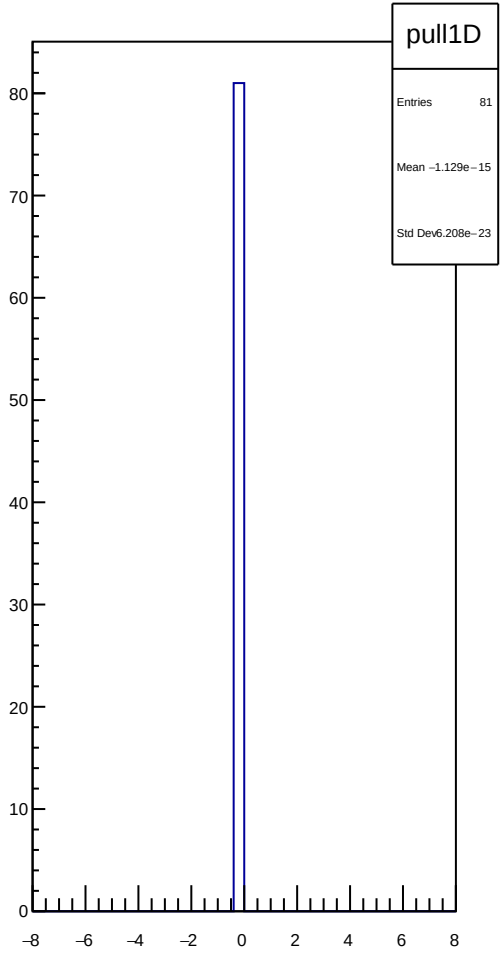

pull1D
Entries 81
Mean −1.786e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

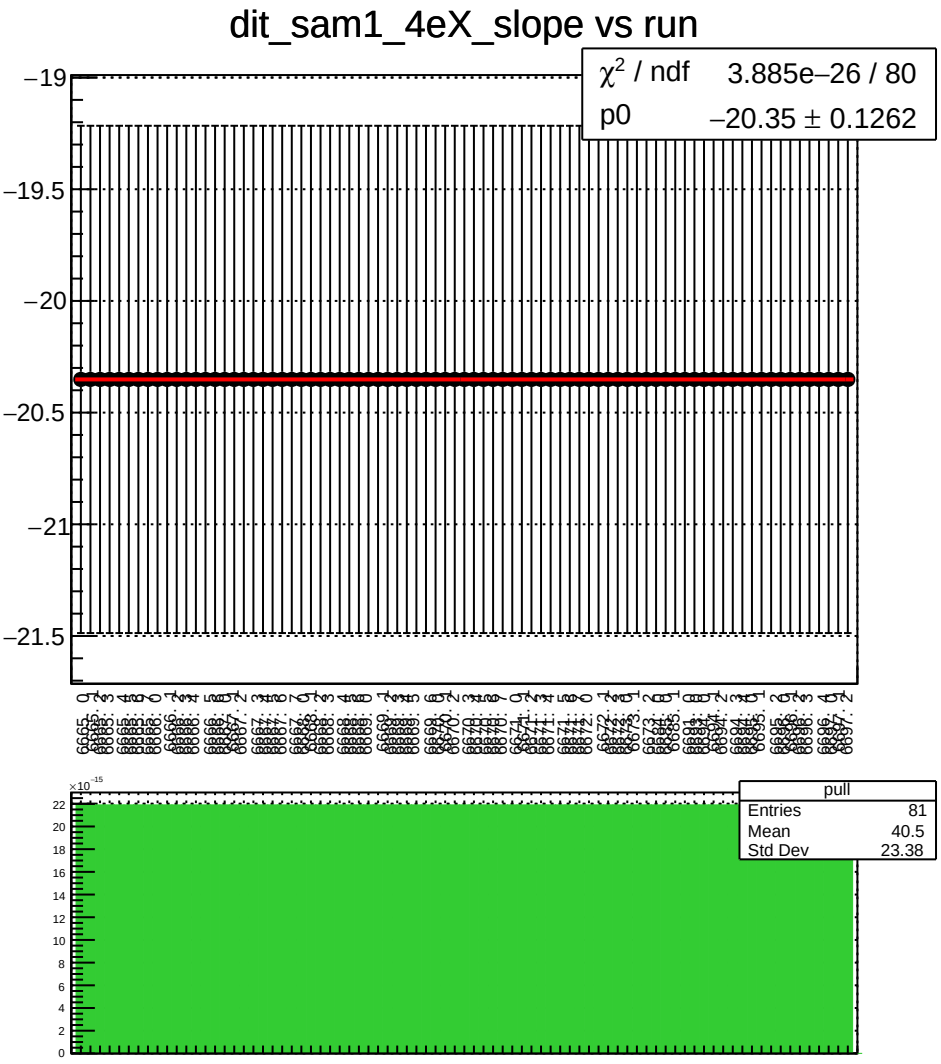

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.043e−27 / 80
p0 −21.65 ± 0.4399
pull
Entries 81
Mean 40.5
Std Dev 23.38

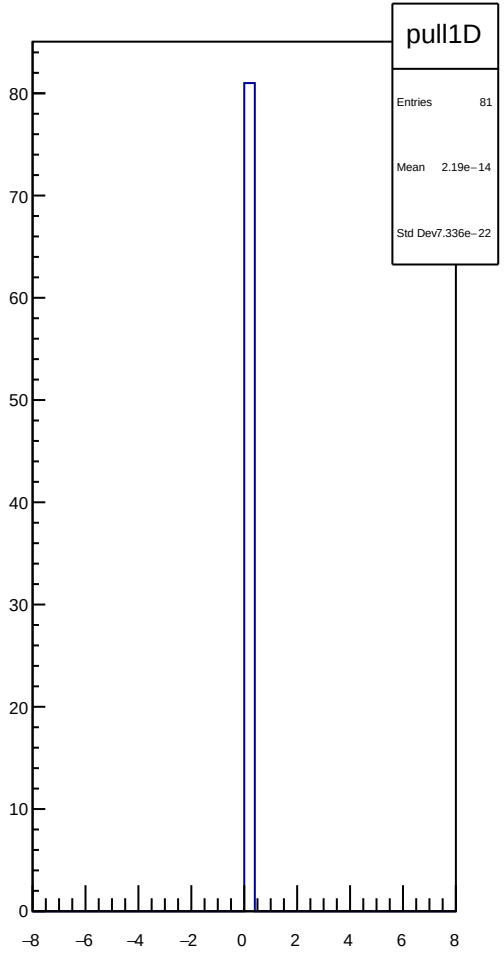

pull1D
Entries 81
Mean −3.589e−15
Std Dev1.497e−22


dit_atr2_4eY_slope vs run
χ^2 / ndf 1.656e−26 / 80
p0 143.5 ± 0.4418
148
147
146
145
144
143
142
141
140
139
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 81
Mean −1.43e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

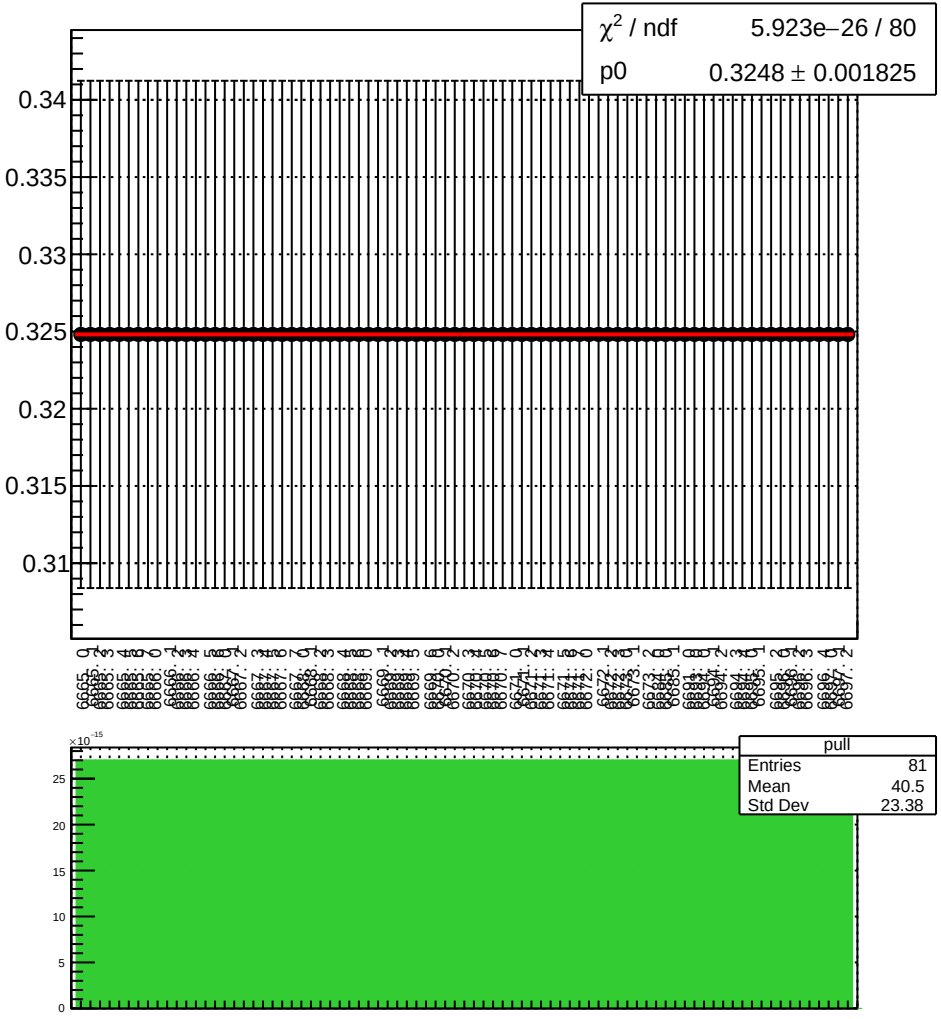

dit_sam1_4aX_slope vs run
χ^2 / ndf 1.032e−28 / 80
p0 2.926 ± 0.1311
pull
Entries 81
Mean 40.5
Std Dev 23.38

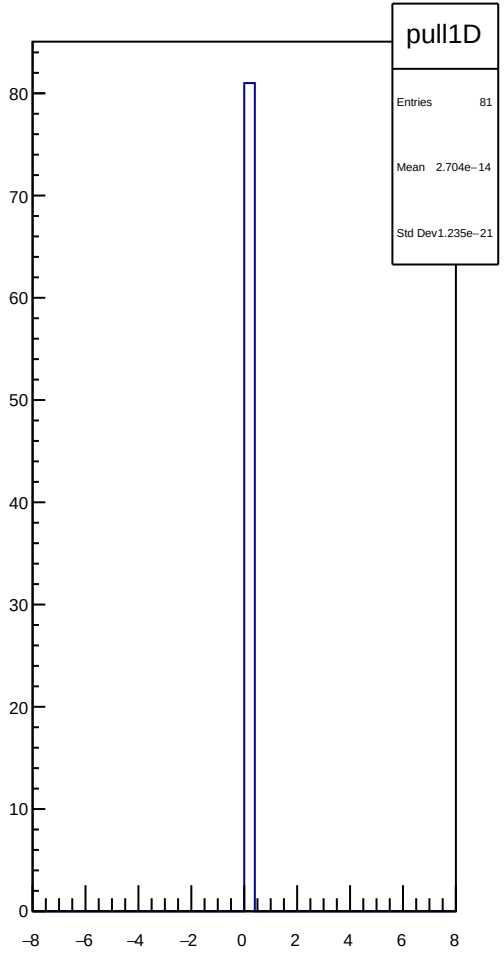

pull1D
Entries 81
Mean −1.129e−15
Std Dev 6.208e−23

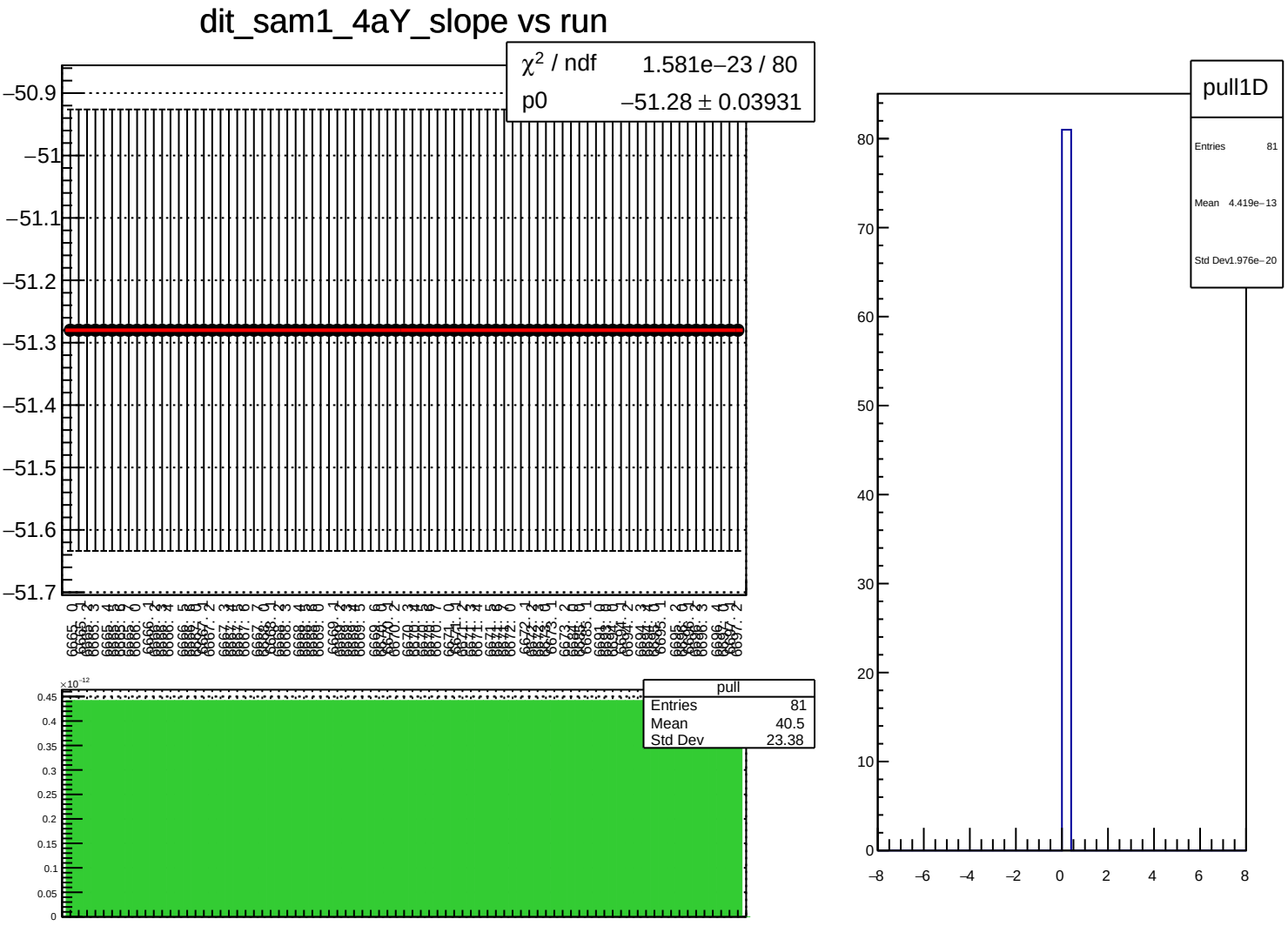

dit_sam1_4eX_slope vs run
χ^2 / ndf 3.885e−26 / 80
p0 −20.35 ± 0.1262
−19
−19.5
−20
−20.5
−21
−21.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
22
20
18
16
14
12
10
8
6
4
2
0


pull1D
Entries 81
Mean 2.19e−14
Std Dev 7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

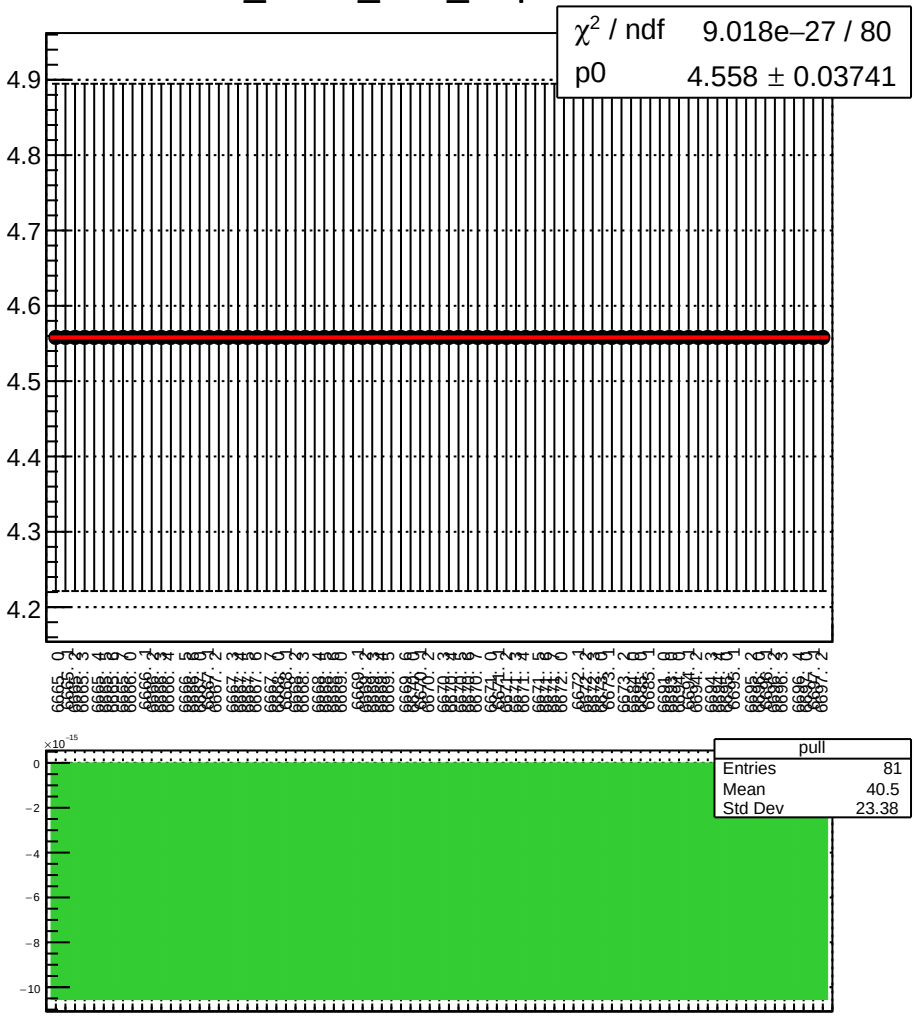
dit_sam1_11X12X_slope vs run

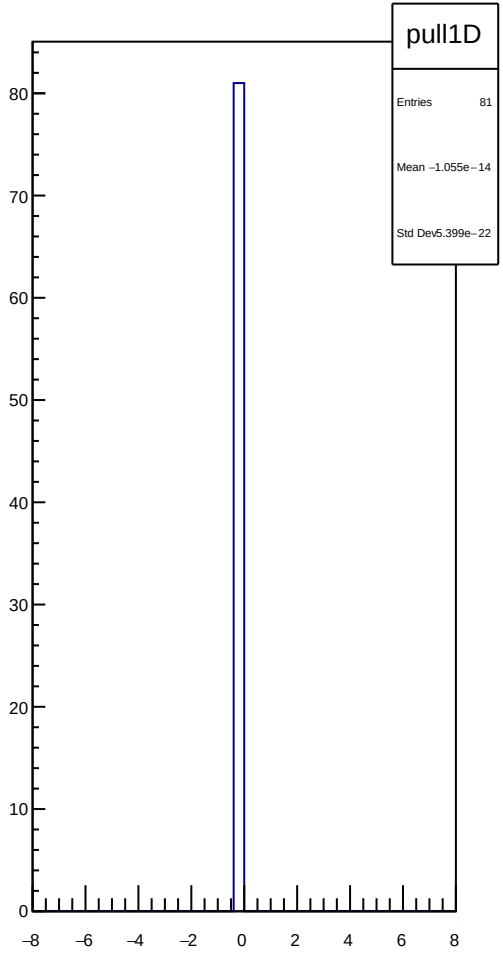




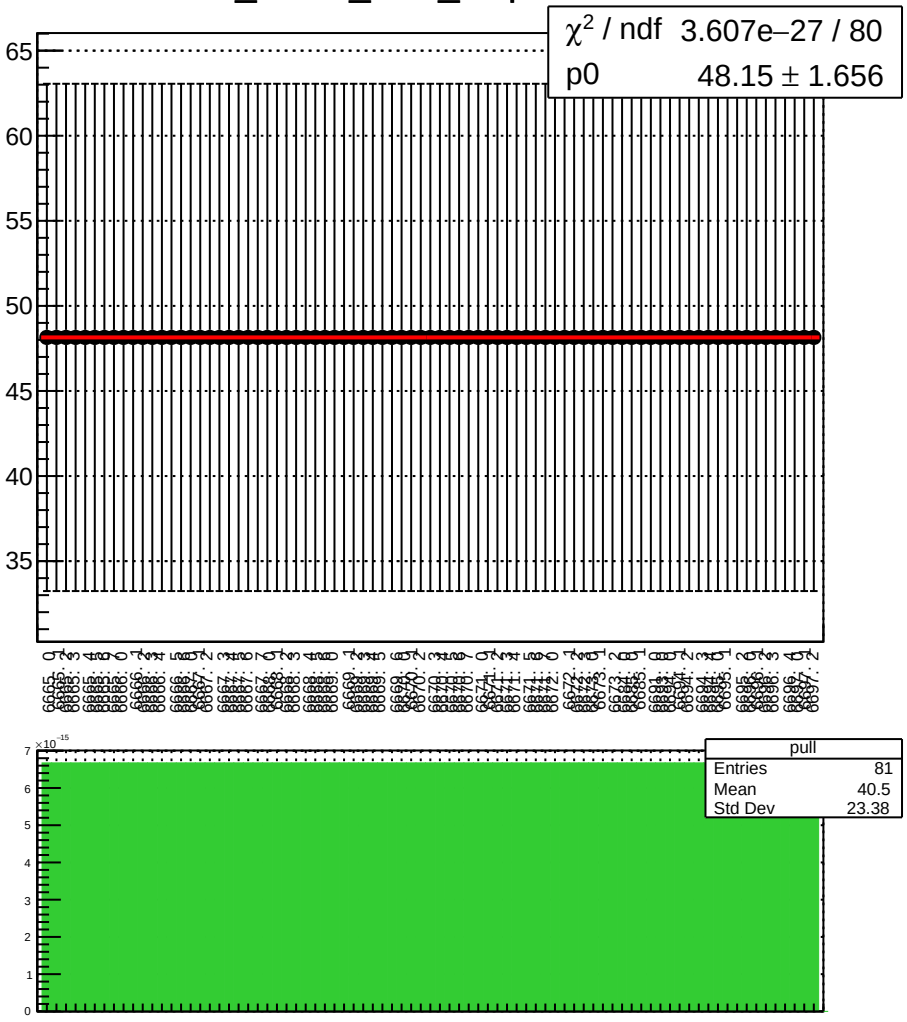

dit_sam1_4aY_slope vs run
χ² / ndf 1.581e−23 / 80
p0 −51.28 ± 0.03931
−50.9
−51
−51.1
−51.2
−51.3
−51.4
−51.5
−51.6
−51.7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
pull1D
Entries 81
Mean 4.419e−13
Std Dev 1.976e−20

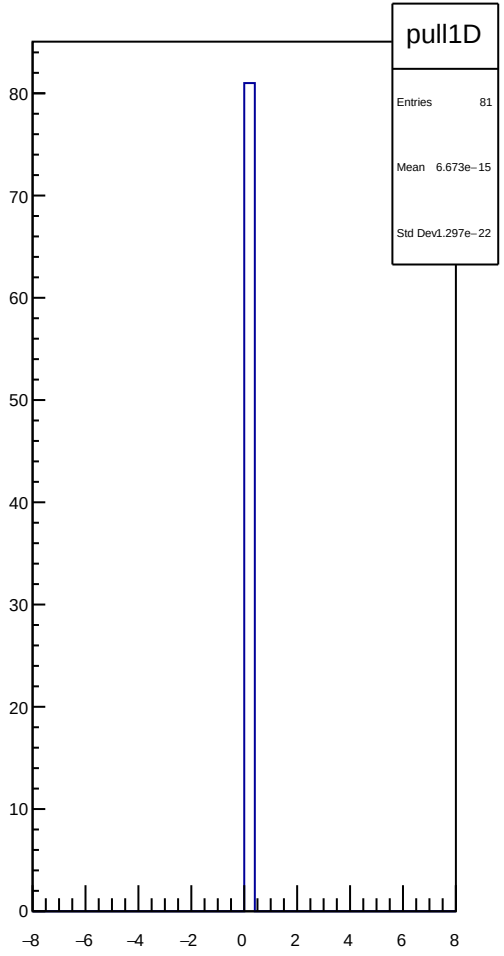
dit_sam1_4eY_slope vs run

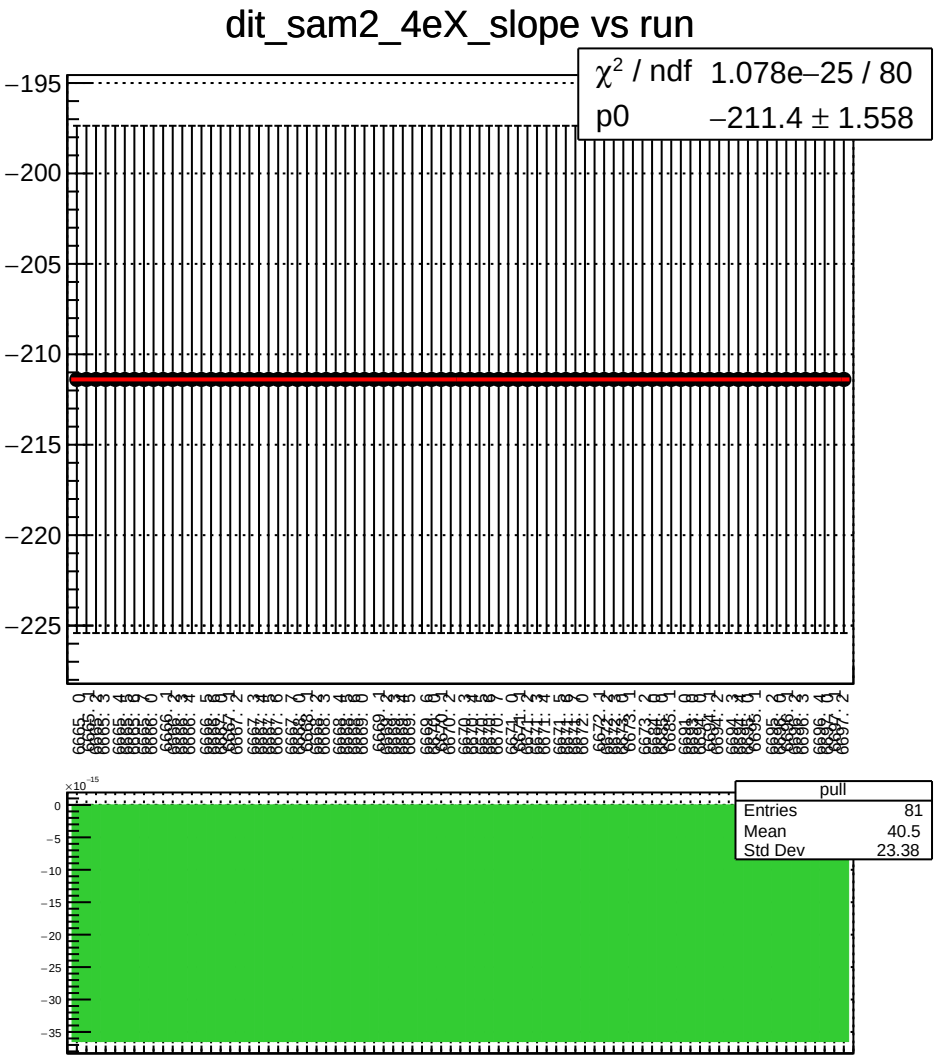


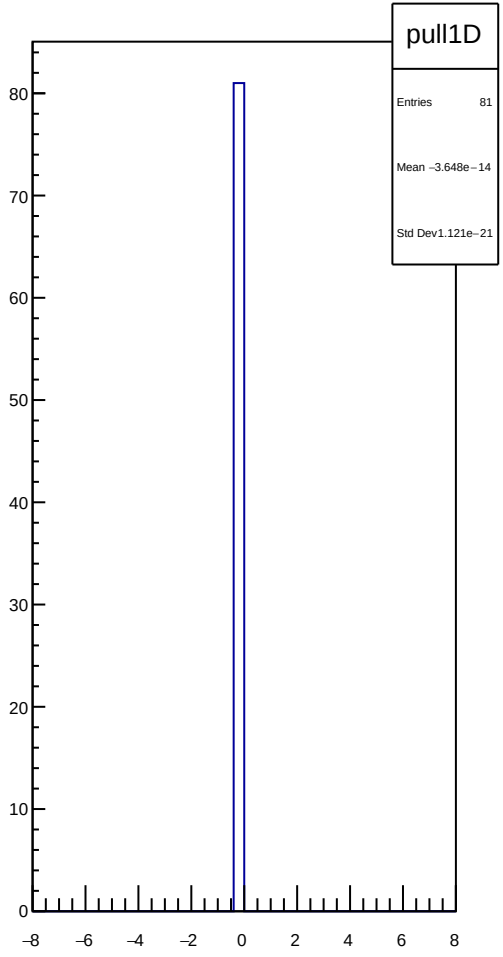


dit_sam2_4aX_slope vs run

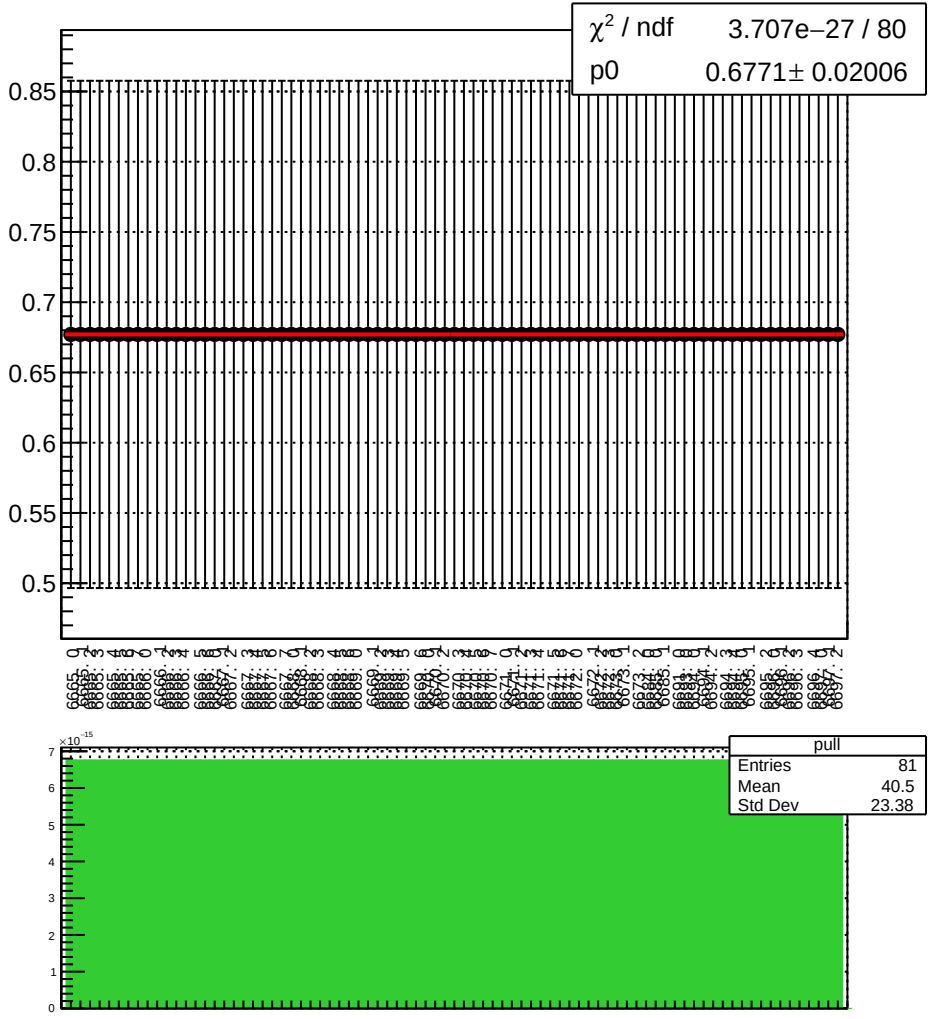


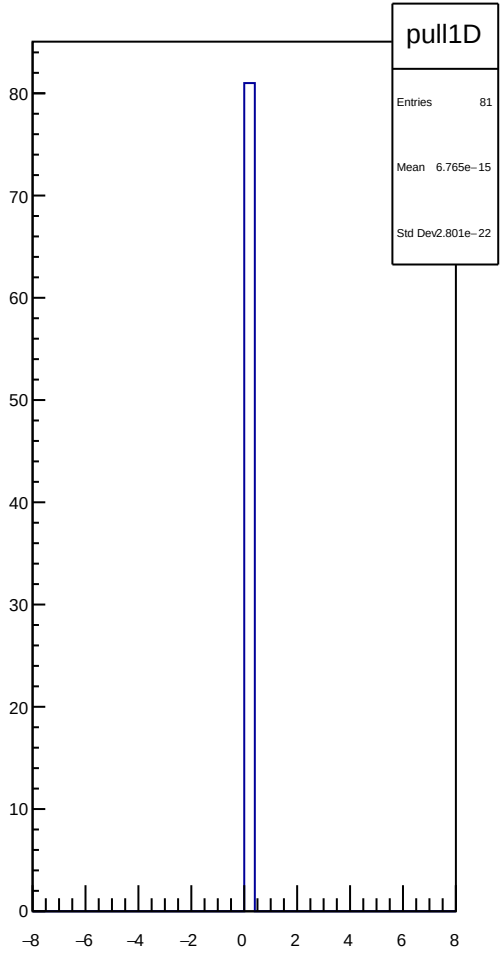


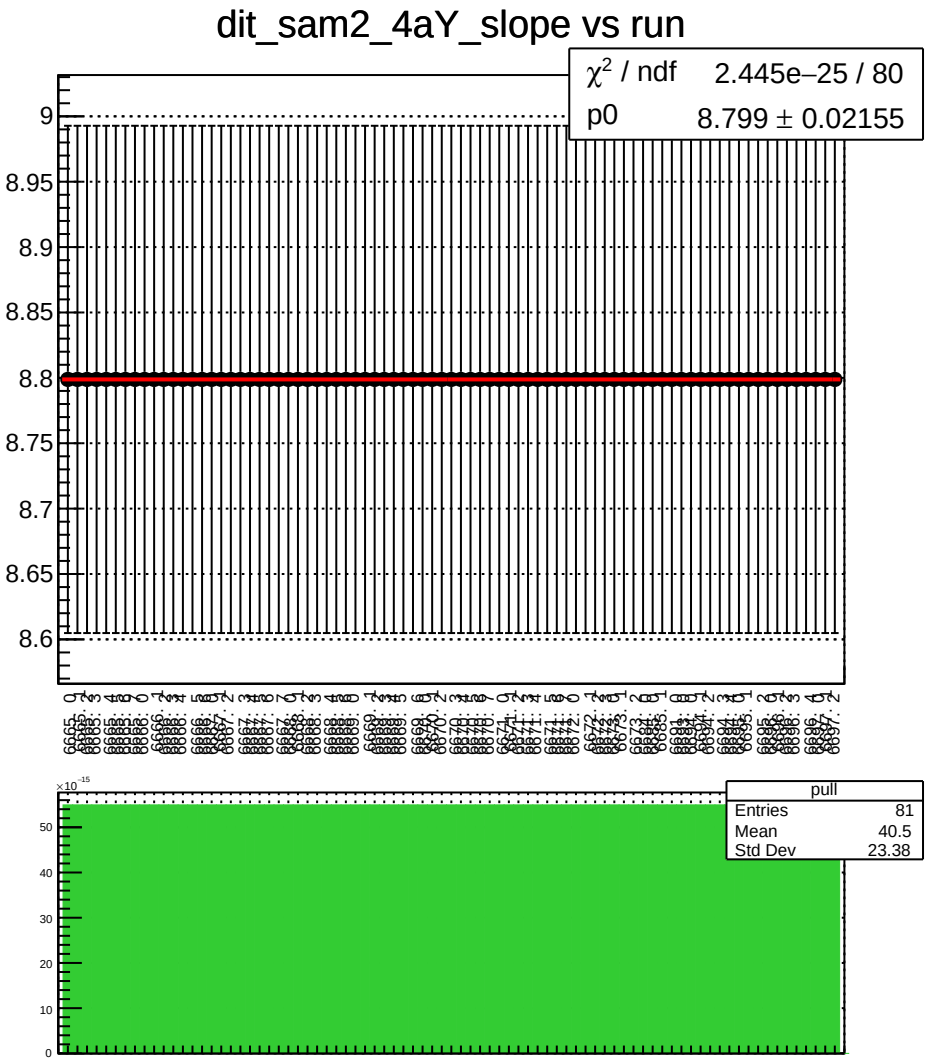

dit_sam2_4eX_slope vs run
χ² / ndf 1.078e−25 / 80
p0 −211.4 ± 1.558
pull
Entries 81
Mean 40.5
Std Dev 23.38

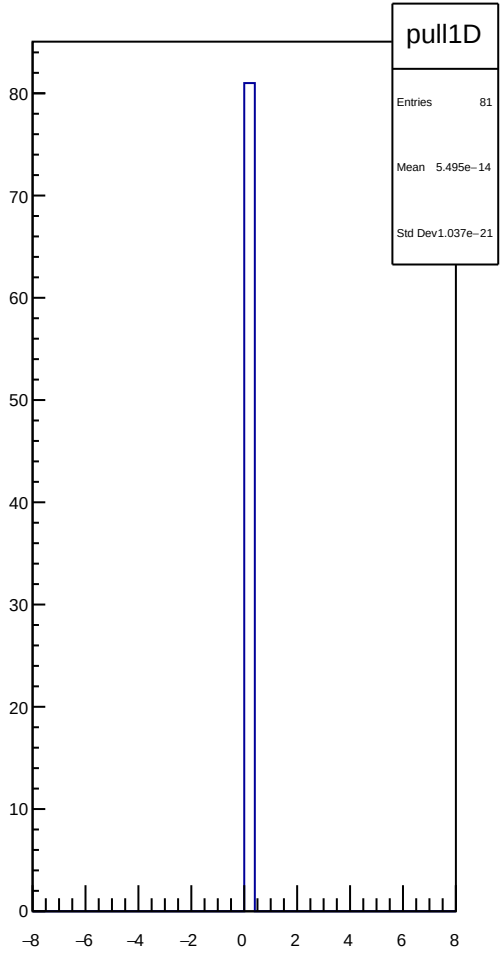

pull1D
Entries 81
Mean −3.648e−14
Std Dev 1.121e−21

dit_sam2_11X12X_slope vs run

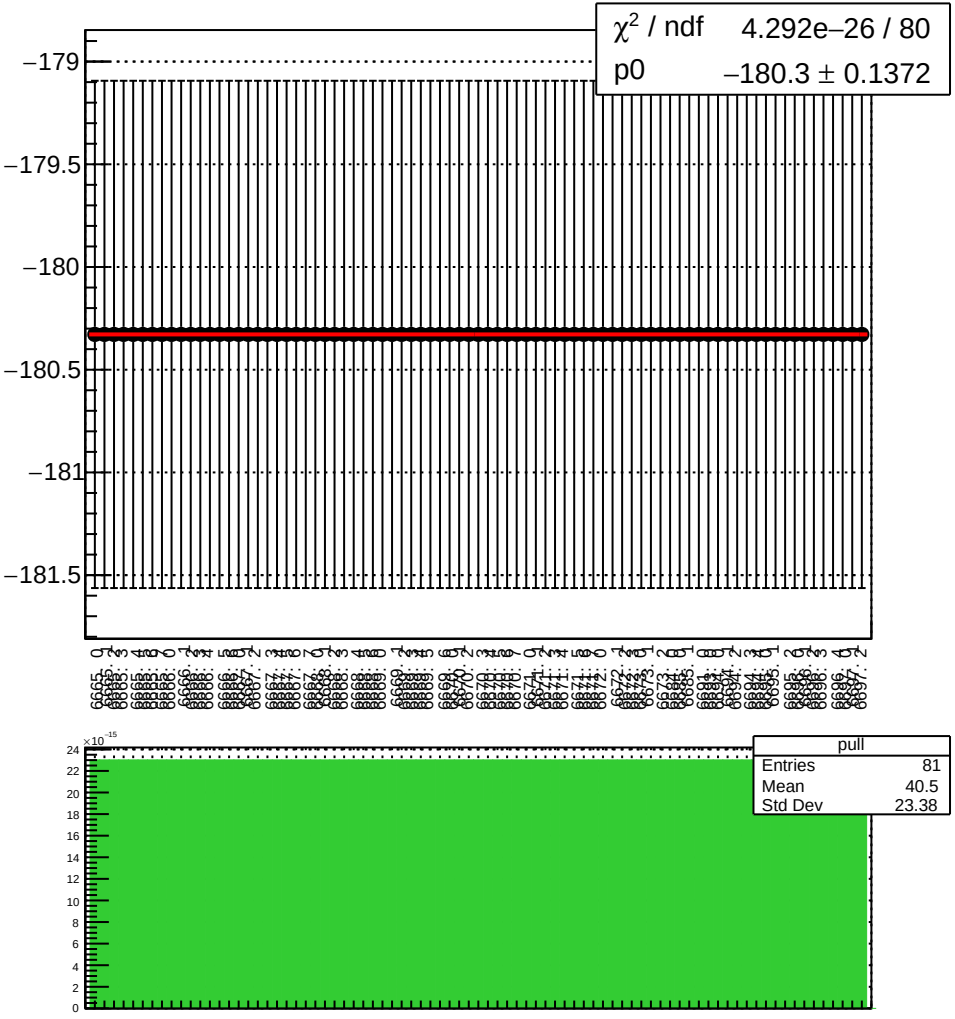


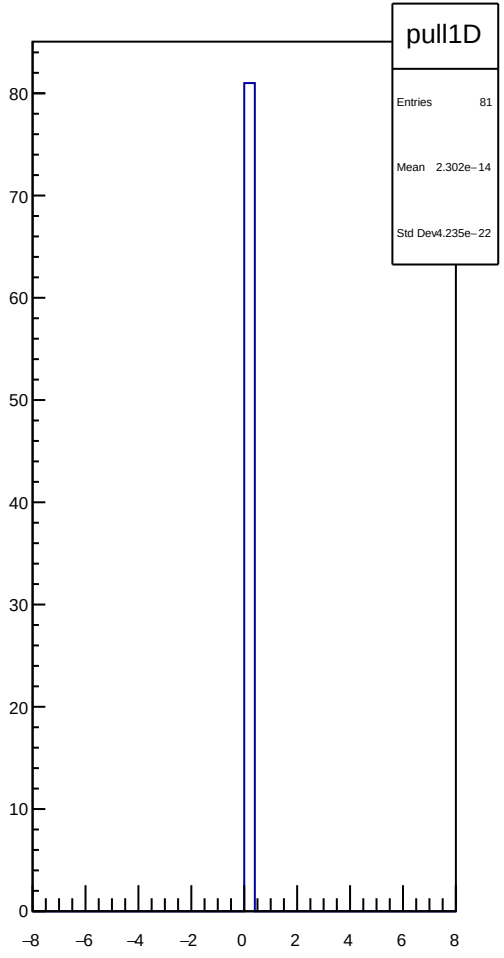


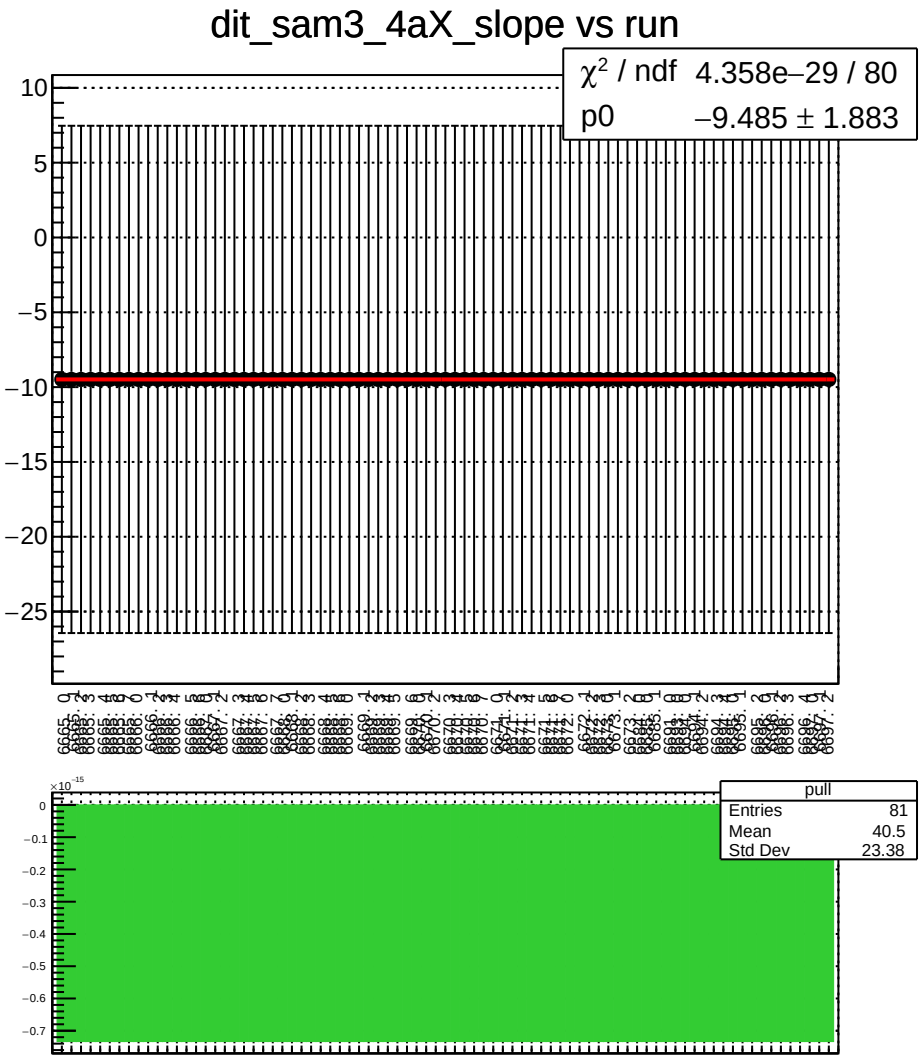

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.445e−25 / 80
p0 8.799 ± 0.02155
pull
Entries 81
Mean 40.5
Std Dev 23.38

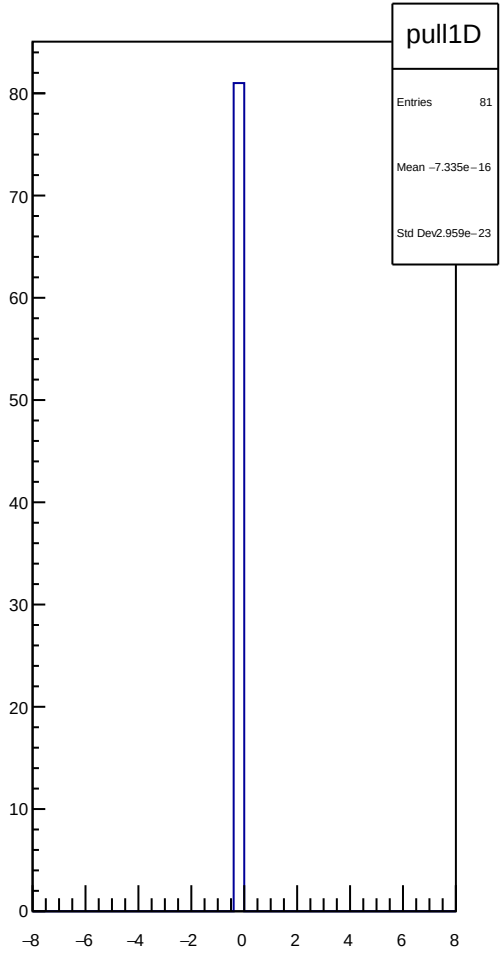

pull1D
Entries 81
Mean 5.495e−14
Std Dev 1.037e−21

dit_sam2_4eY_slope vs run

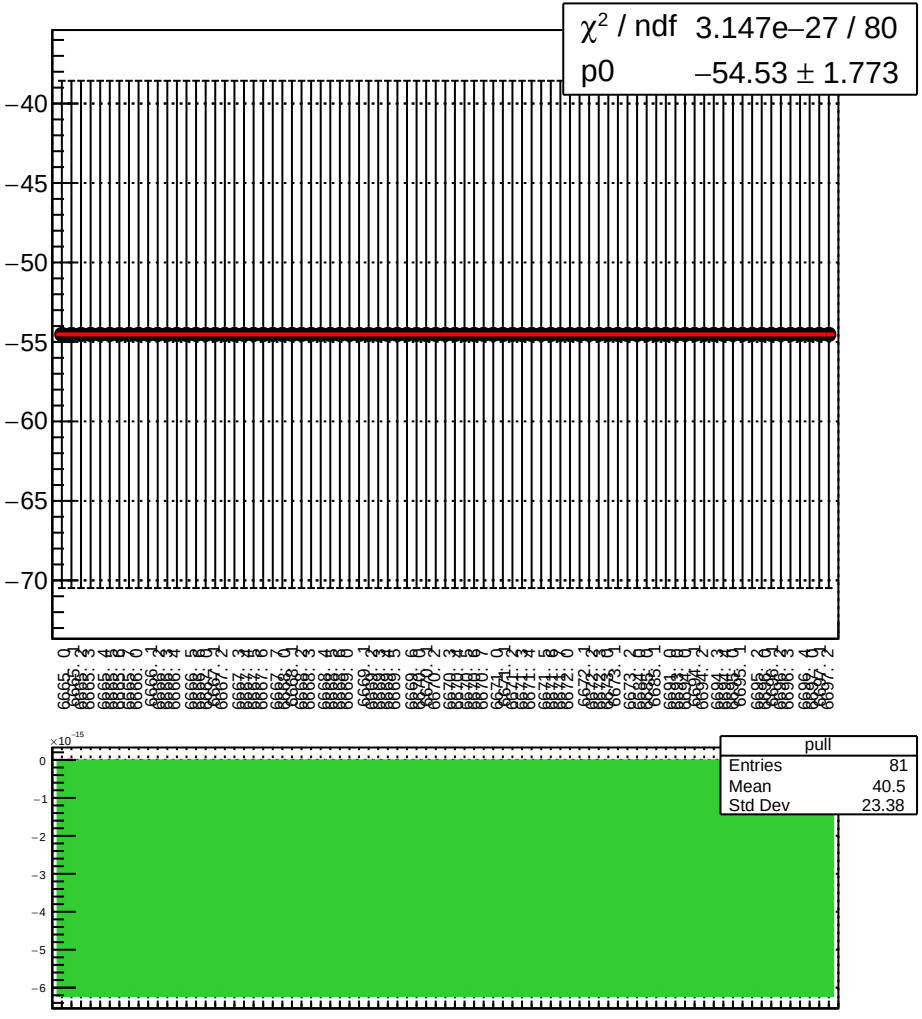


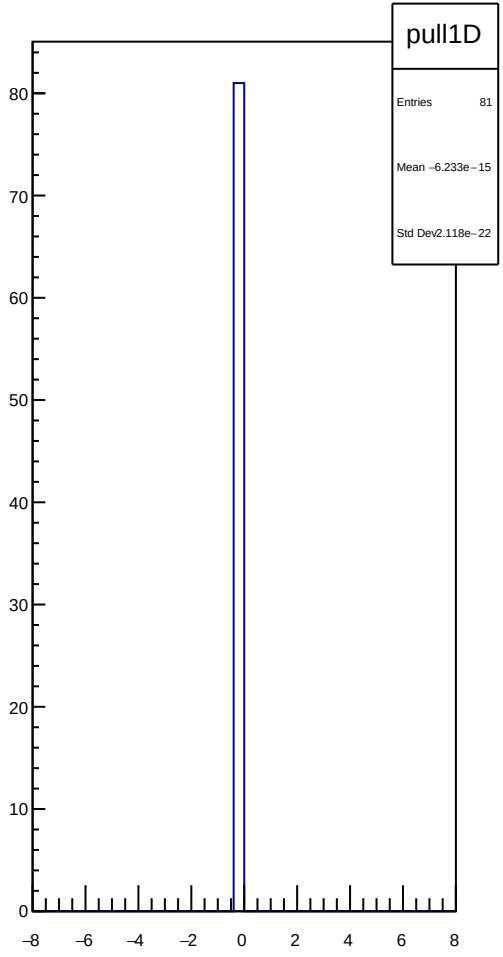


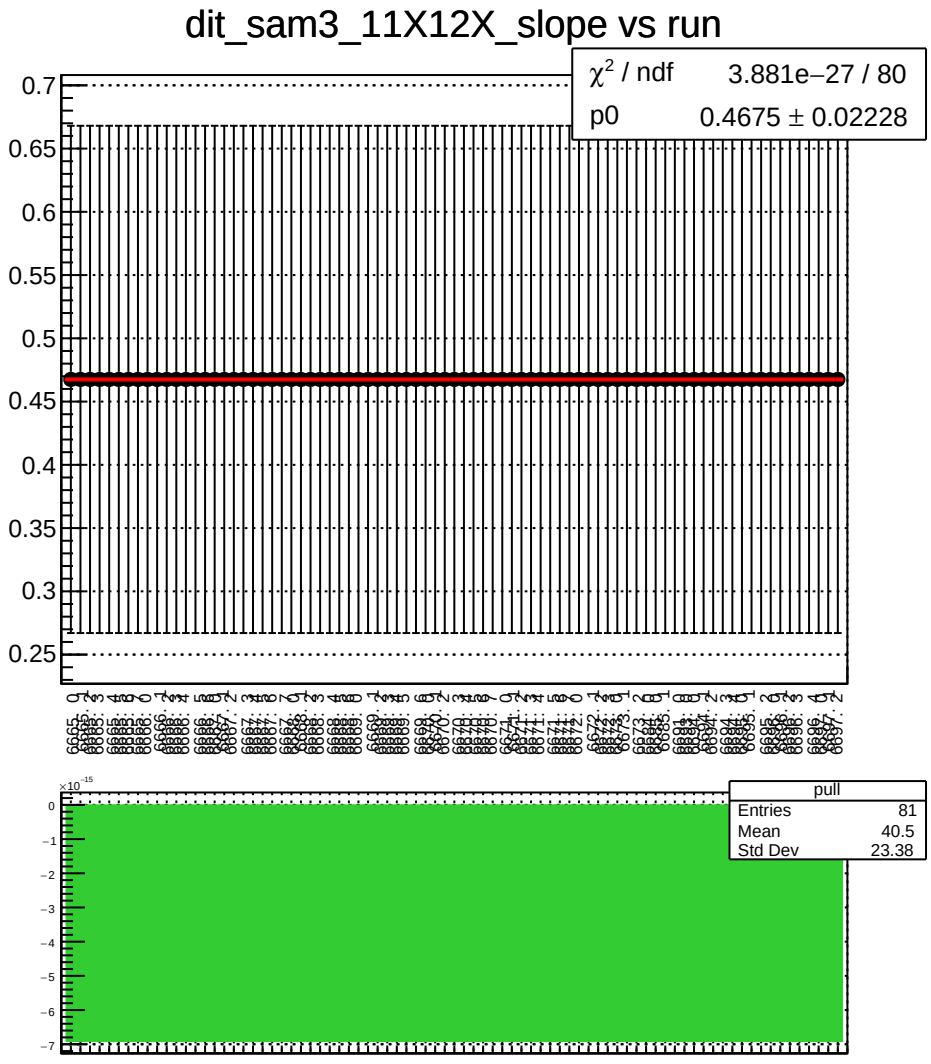

dit_sam3_4aX_slope vs run
χ^2 / ndf 4.358e−29 / 80
p0 −9.485 ± 1.883
pull
Entries 81
Mean 40.5
Std Dev 23.38

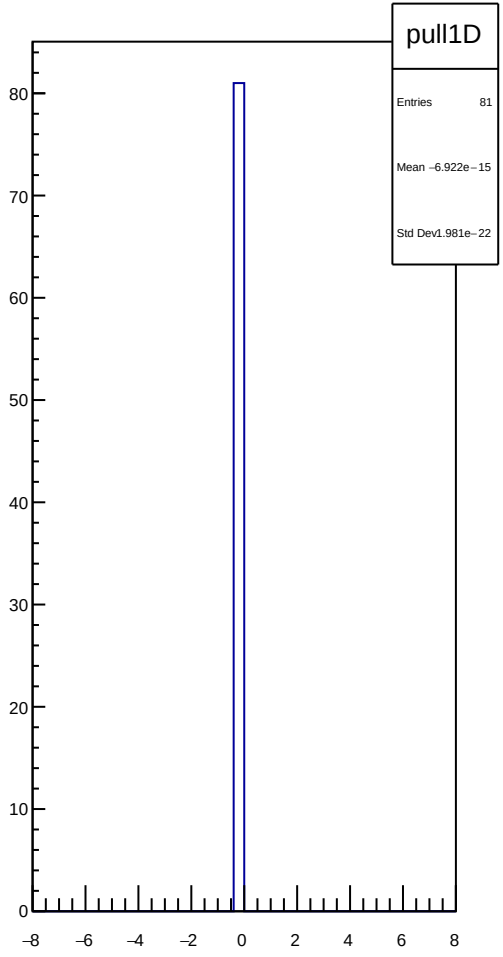

pull1D
Entries 81
Mean −7.335e−16
Std Dev 2.959e−23

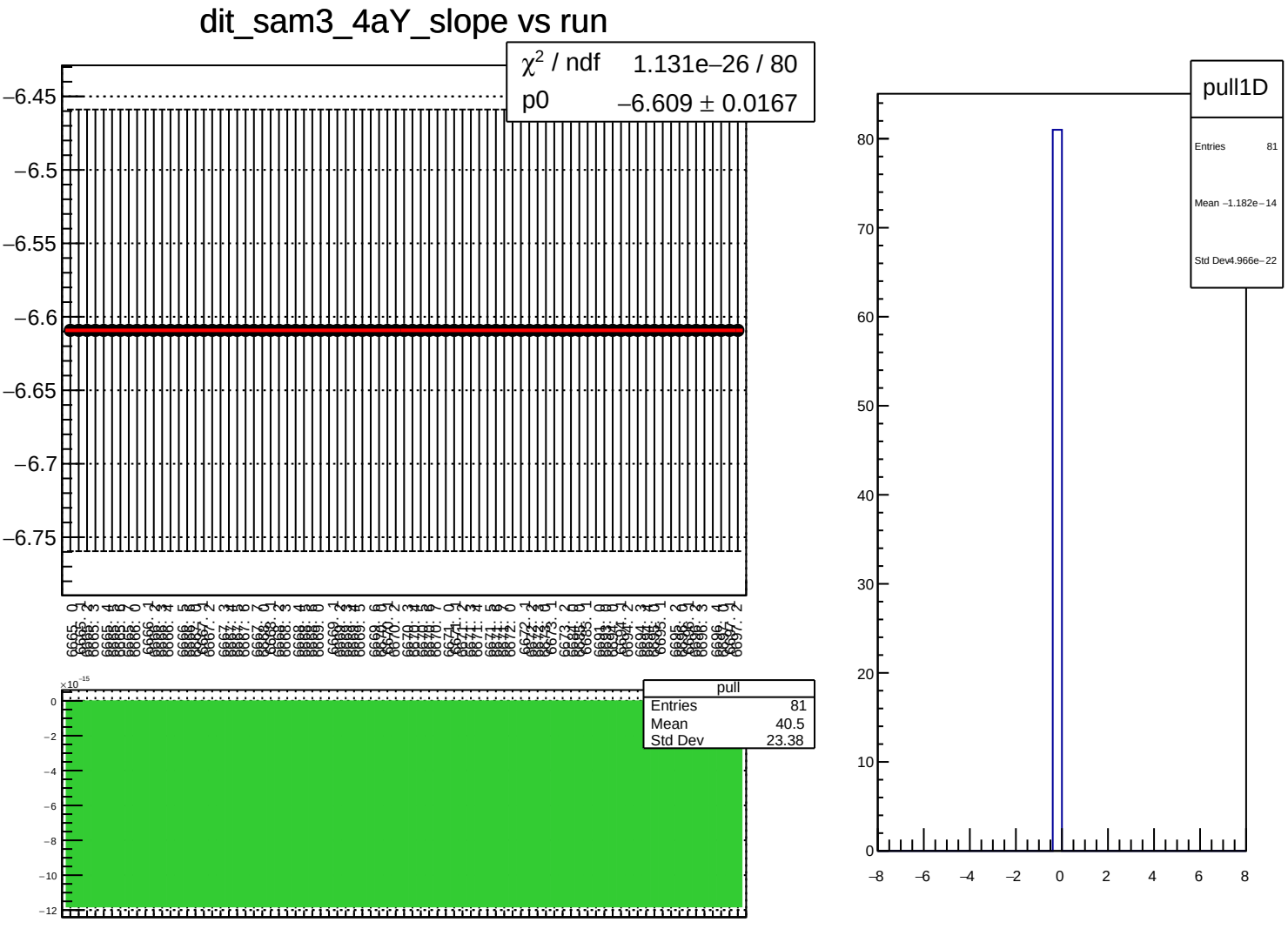
dit_sam3_4eX_slope vs run

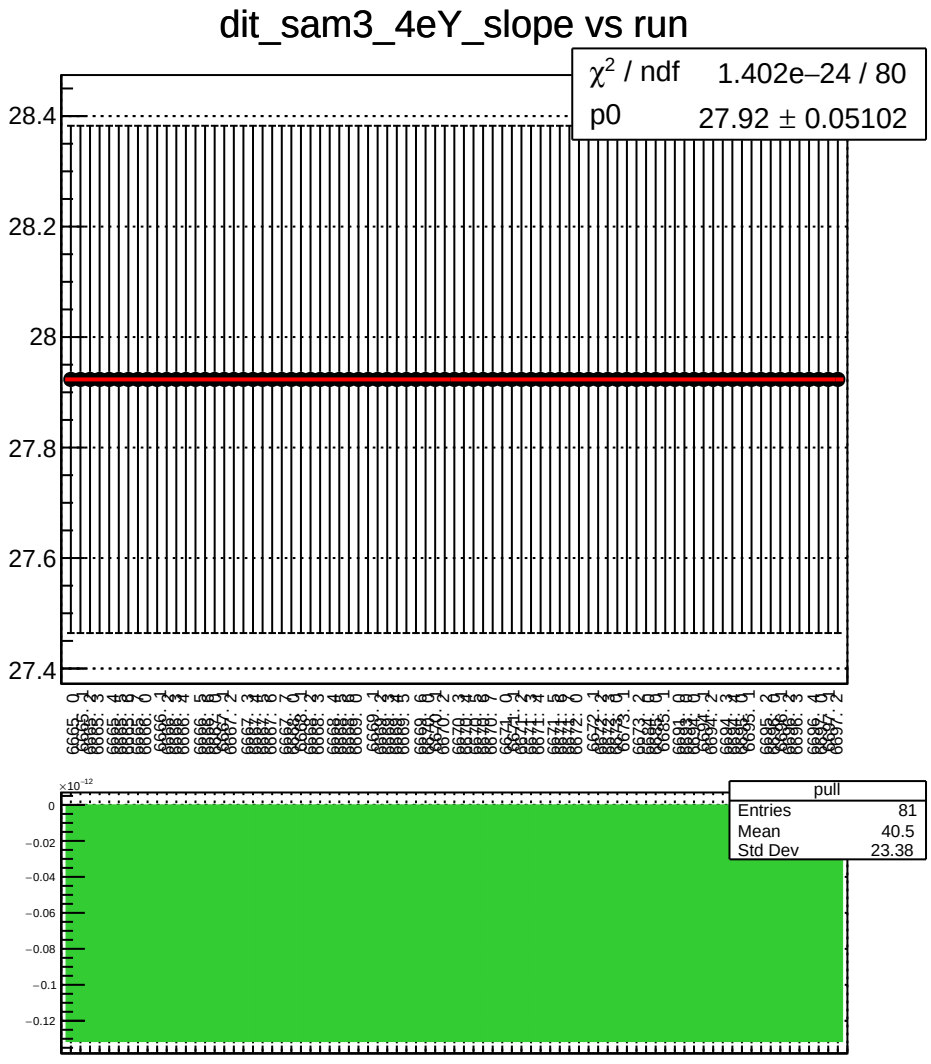


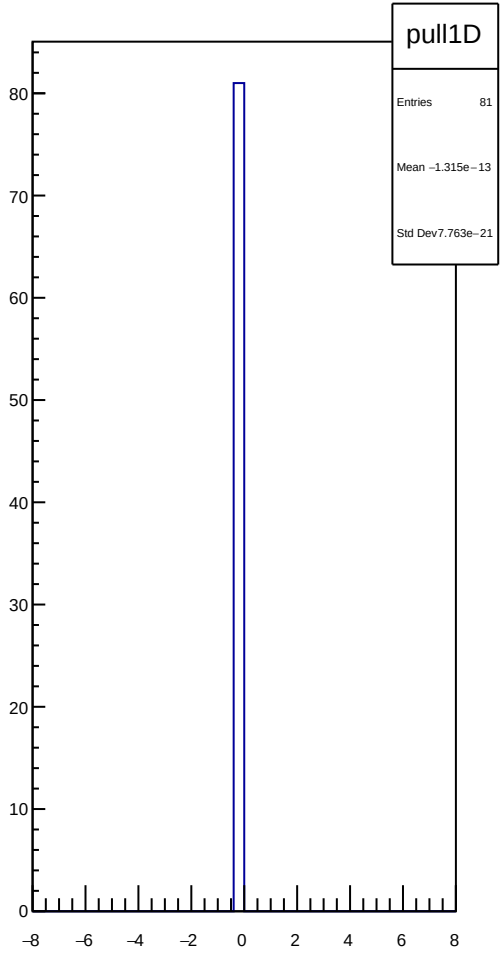


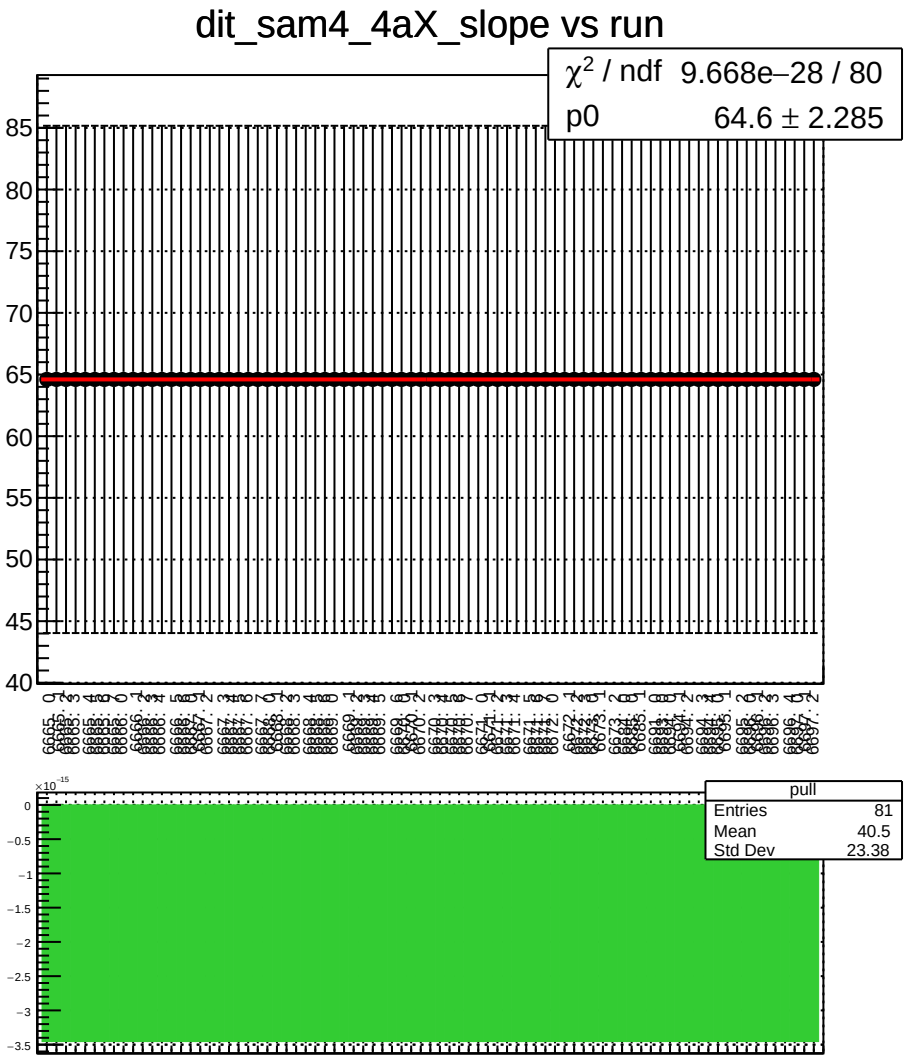

dit_sam3_11X12X_slope vs run
χ^2 / ndf 3.881e−27 / 80
p0 0.4675 ± 0.02228
pull
Entries 81
Mean 40.5
Std Dev 23.38

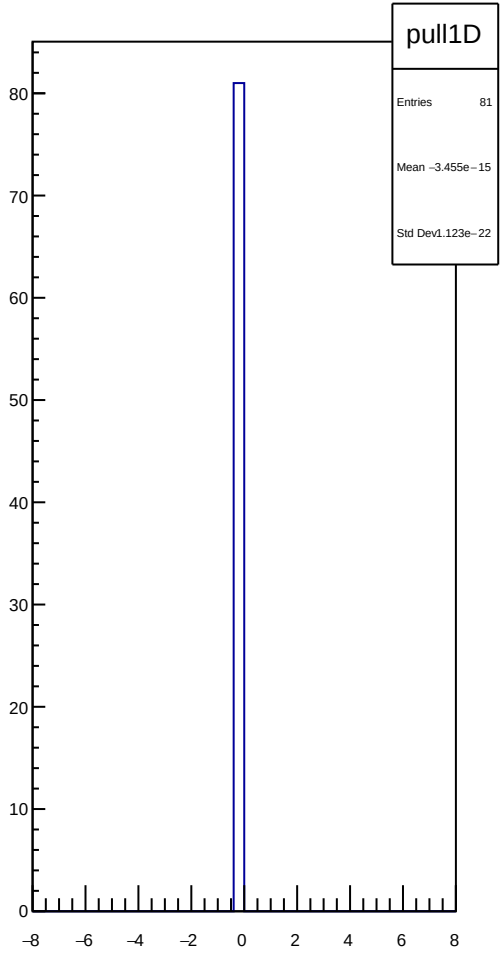

pull1D
Entries 81
Mean −6.922e−15
Std Dev1.981e−22

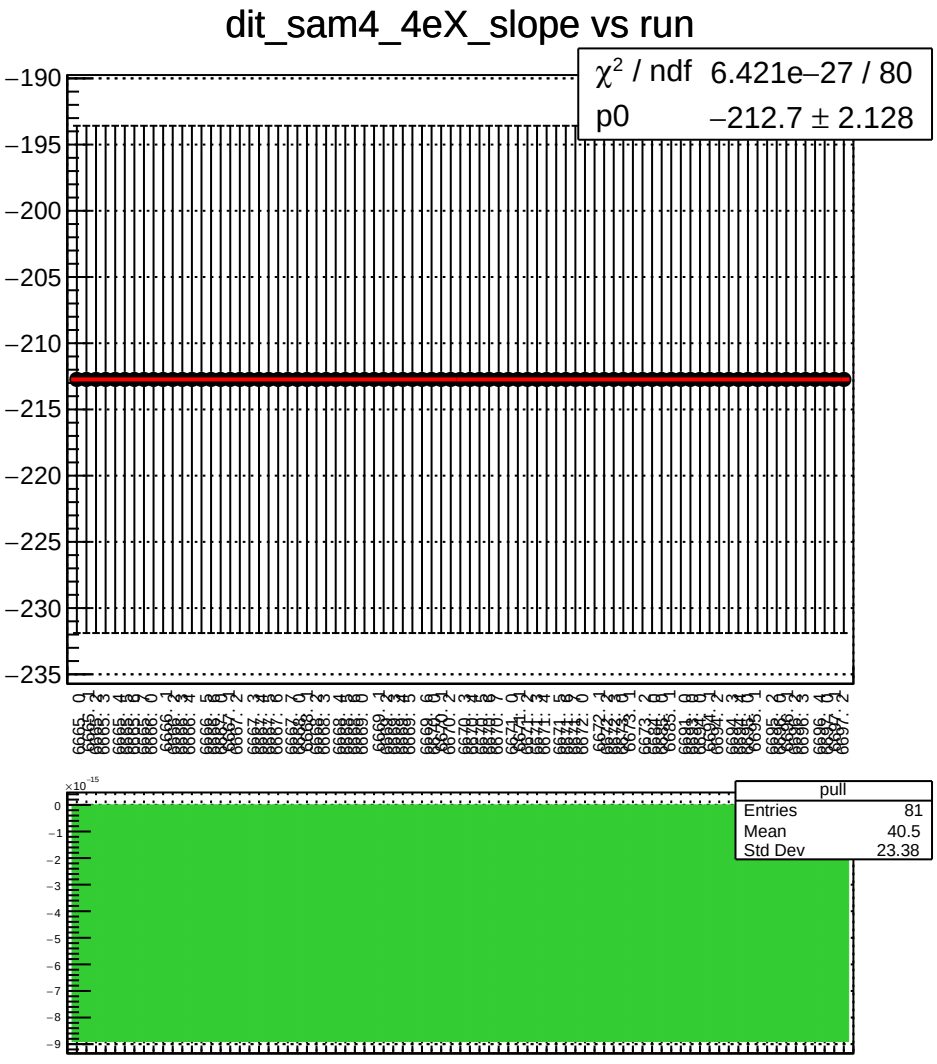

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.131e−26 / 80
p0 −6.609 ± 0.0167
−6.45
−6.5
−6.55
−6.6
−6.65
−6.7
−6.75
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 81
Mean −1.182e−14
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

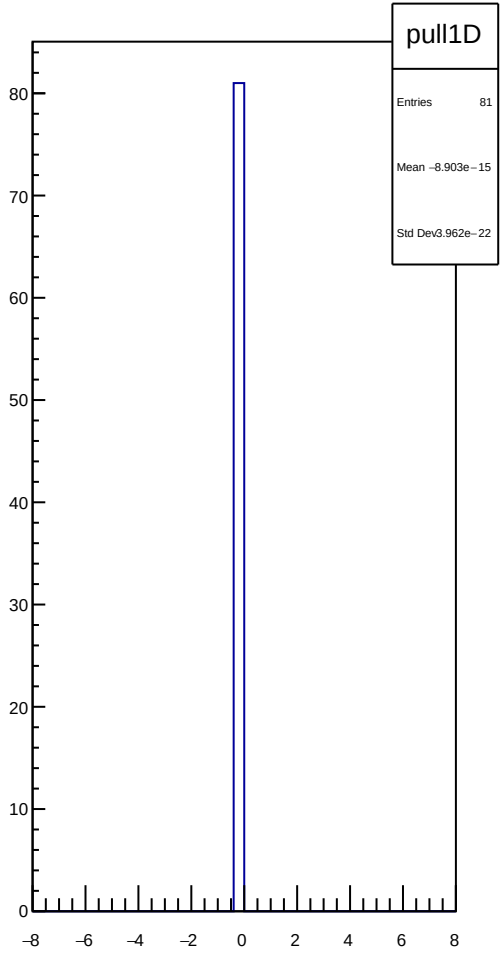

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.402e−24 / 80
p0 27.92 ± 0.05102
28.4
28.2
28
27.8
27.6
27.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12


pull1D
Entries 81
Mean −1.315e−13
Std Dev 7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

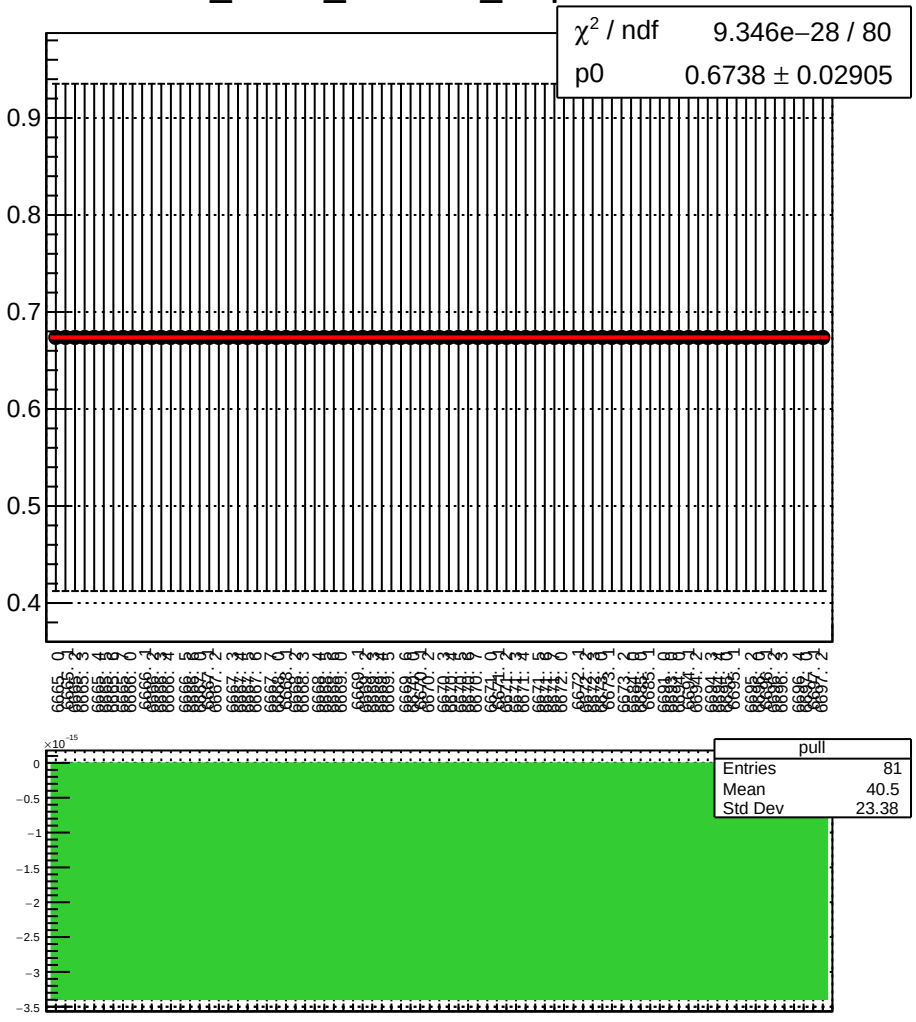

dit_sam4_4aX_slope vs run
χ^2 / ndf 9.668e−28 / 80
p0 64.6 ± 2.285
pull
Entries 81
Mean 40.5
Std Dev 23.38

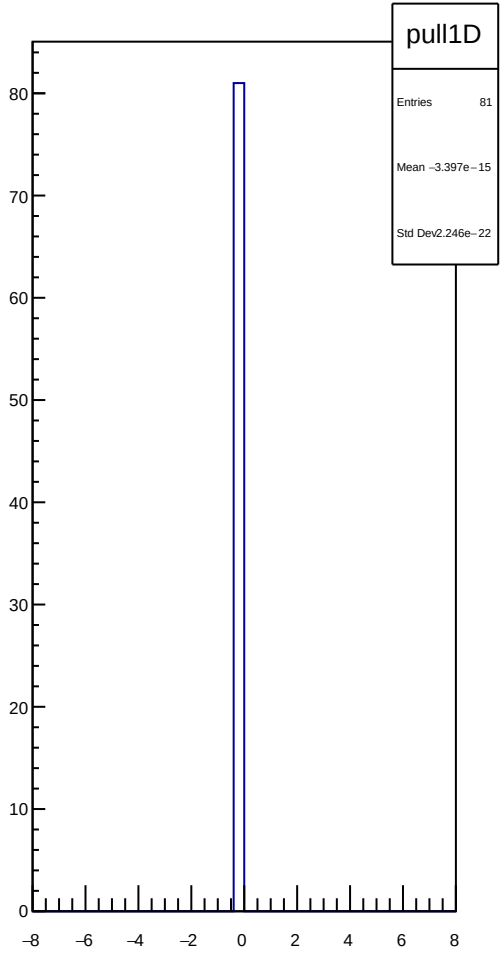

pull1D
Entries 81
Mean −3.455e−15
Std Dev 1.123e−22

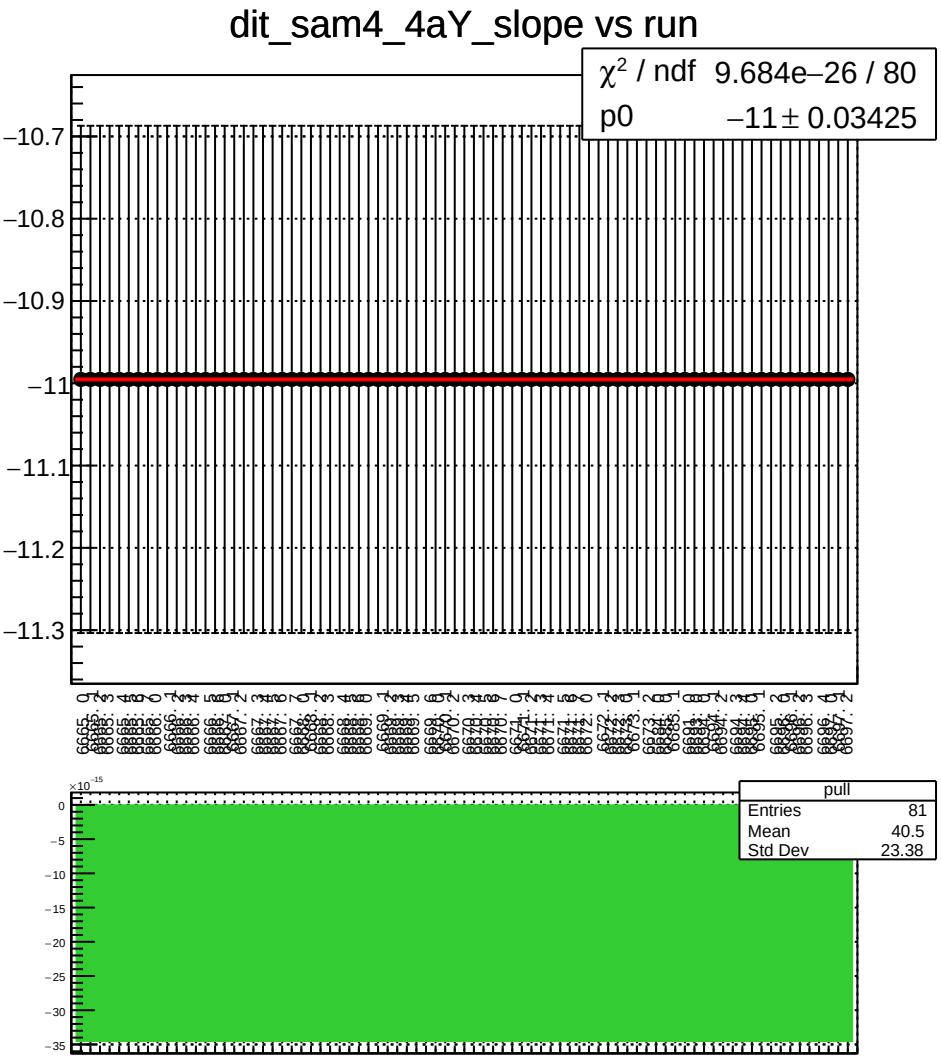

dit_sam4_4eX_slope vs run
χ^2 / ndf 6.421e−27 / 80
p0 −212.7 ± 2.128
pull
Entries 81
Mean 40.5
Std Dev 23.38

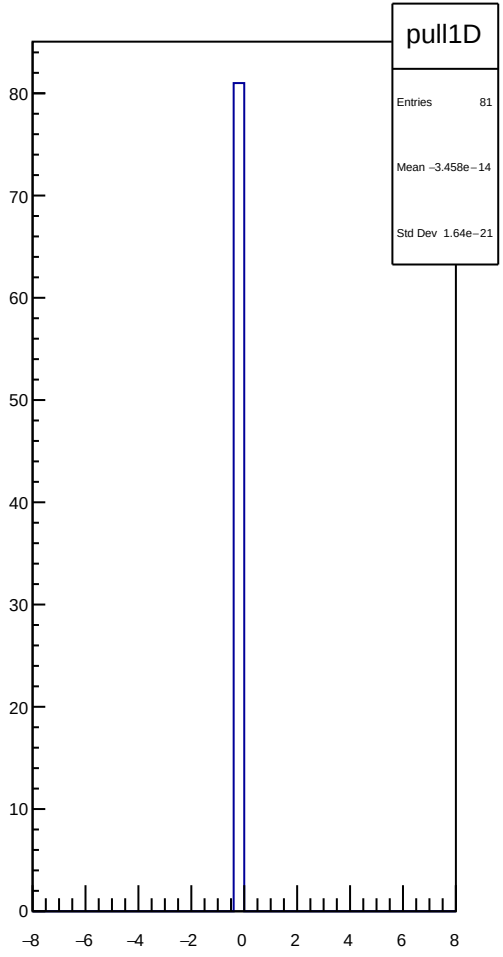

pull1D
Entries 81
Mean −8.903e−15
Std Dev 3.962e−22

dit_sam4_11X12X_slope vs run

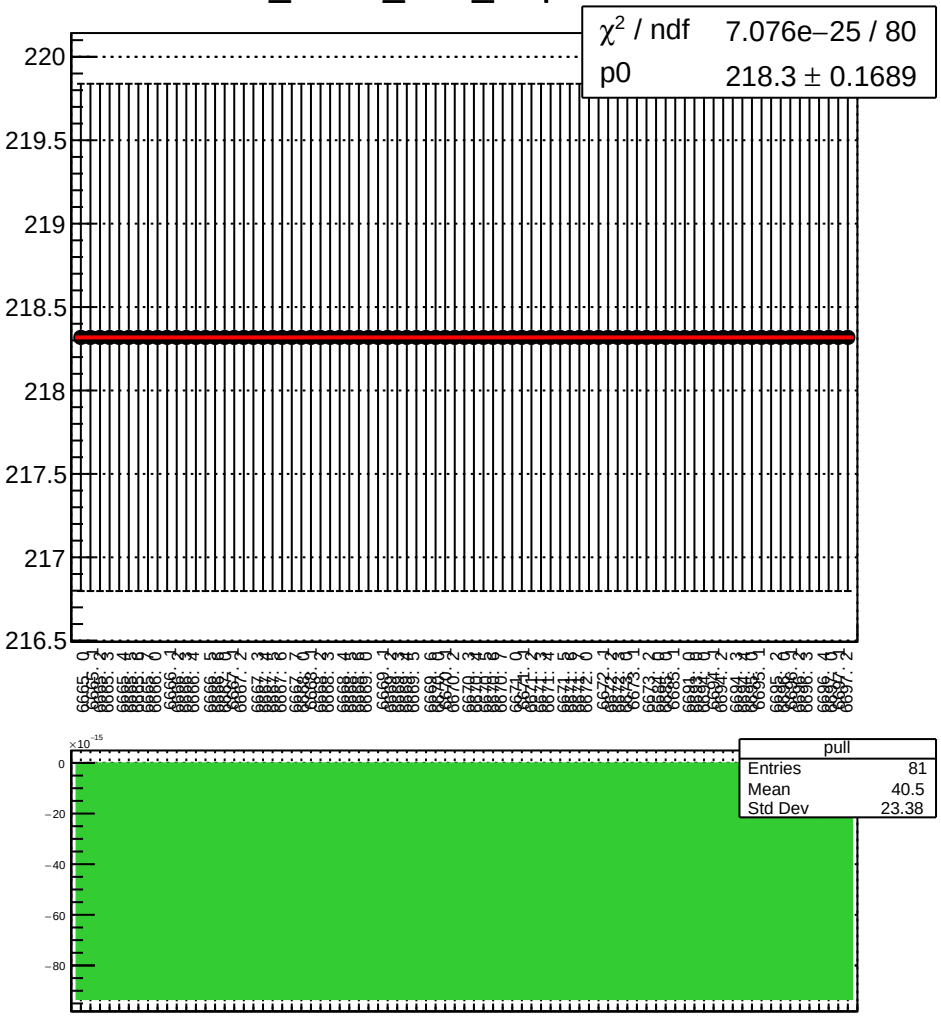


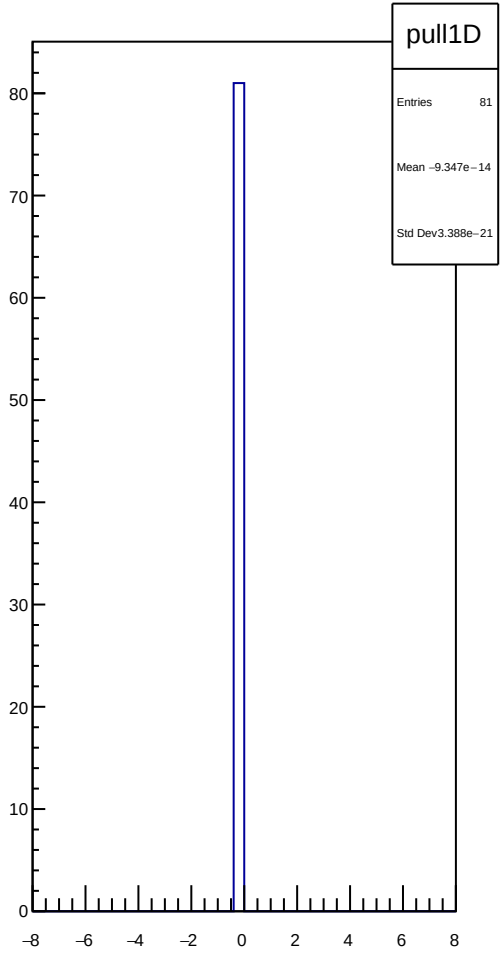


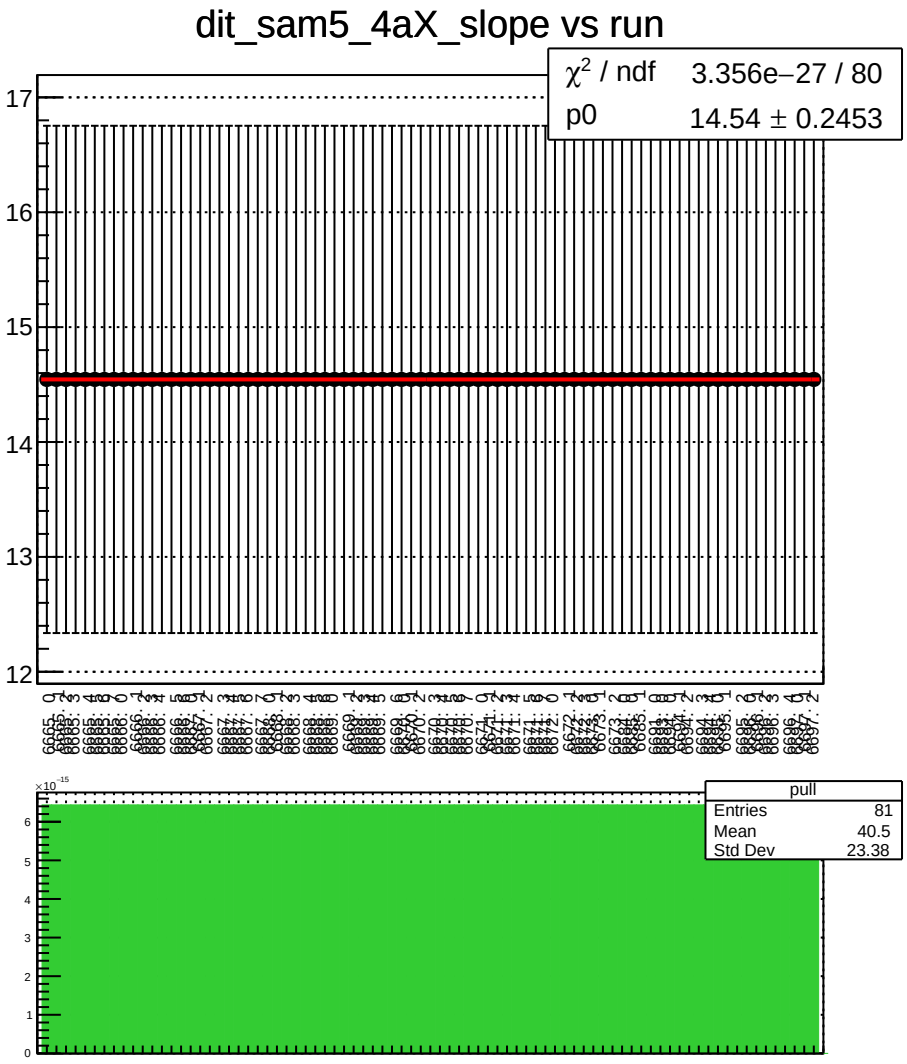

dit_sam4_4aY_slope vs run
χ^2 / ndf 9.684e−26 / 80
p0 −11 ± 0.03425
−10.7
−10.8
−10.9
−11
−11.1
−11.2
−11.3
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

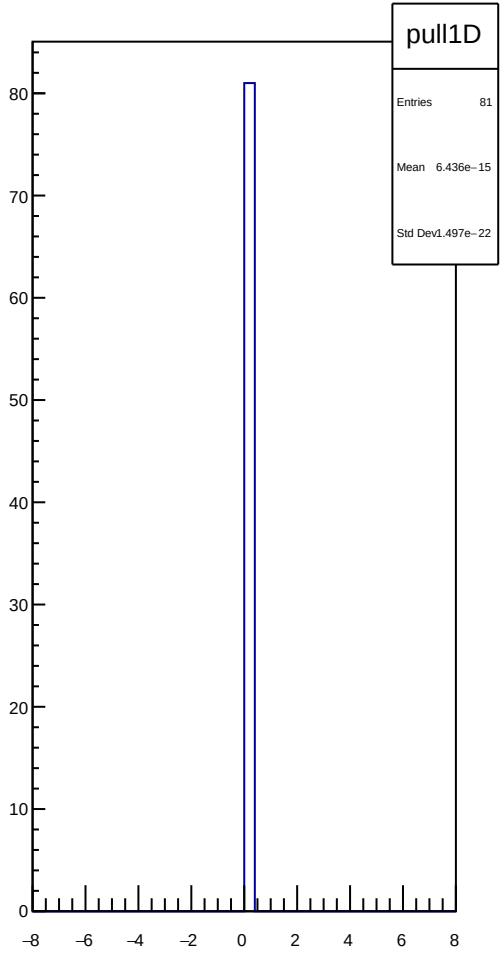

pull1D
Entries 81
Mean −3.458e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

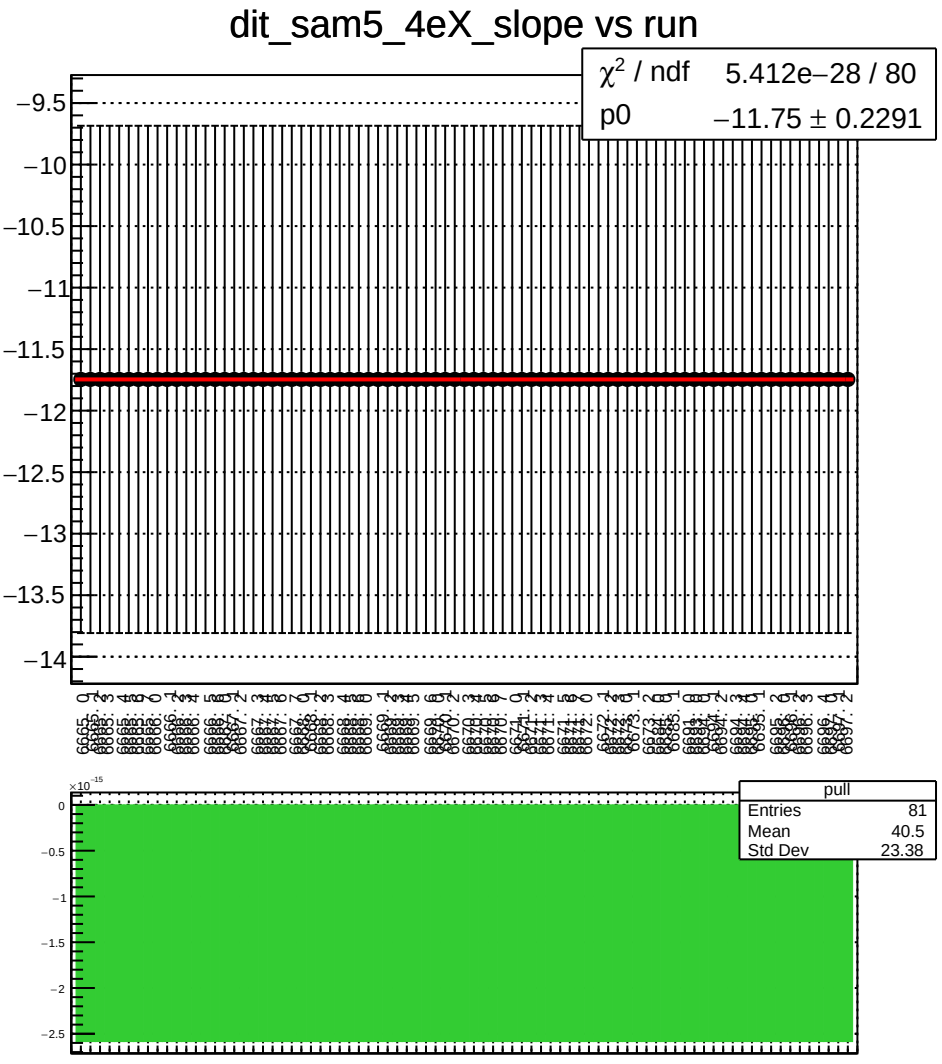
dit_sam4_4eY_slope vs run

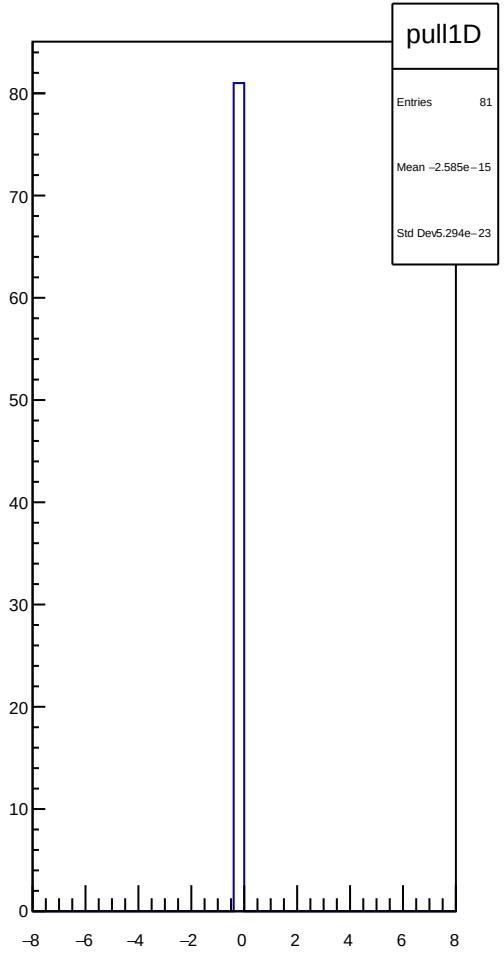




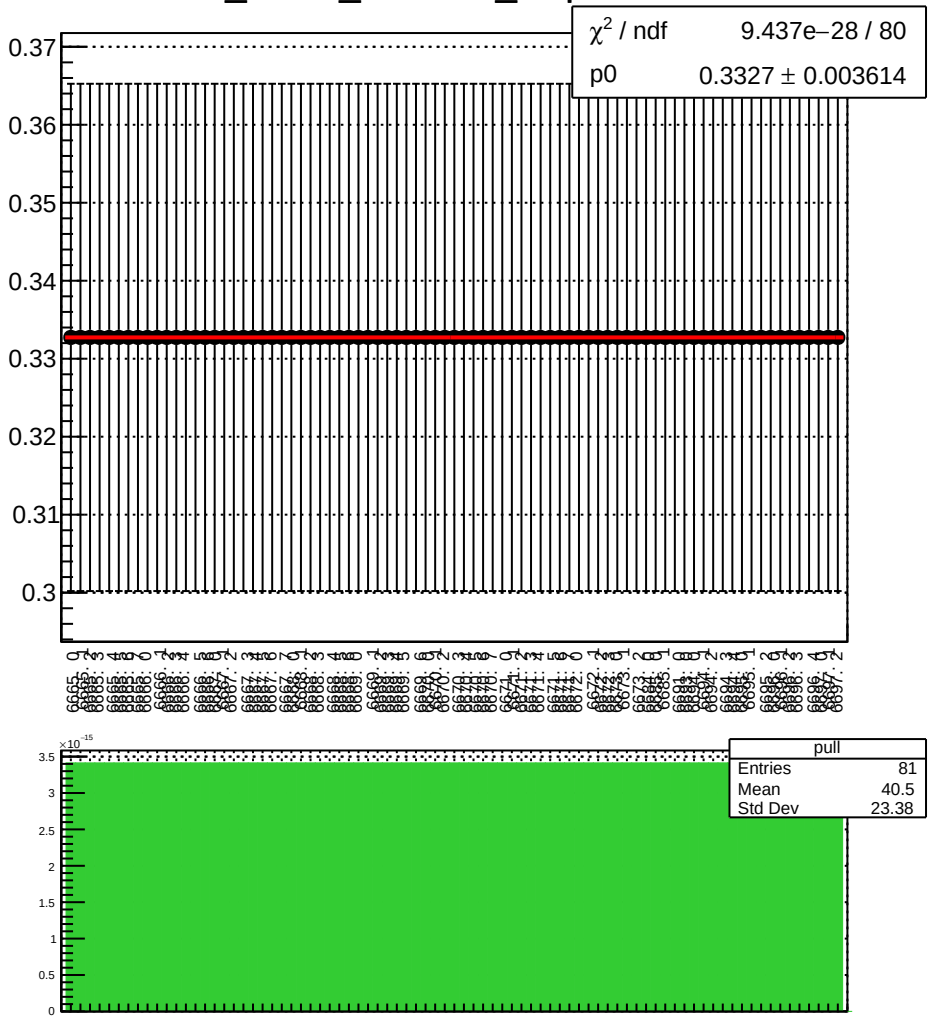

dit_sam5_4aX_slope vs run
χ^2 / ndf 3.356e−27 / 80
p0 14.54 ± 0.2453
pull
Entries 81
Mean 40.5
Std Dev 23.38

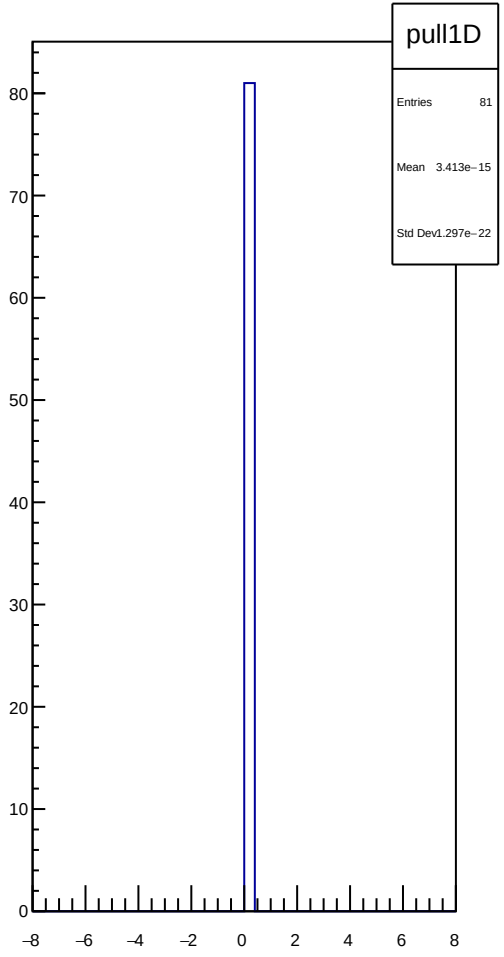

pull1D
Entries 81
Mean 6.436e−15
Std Dev 1.497e−22

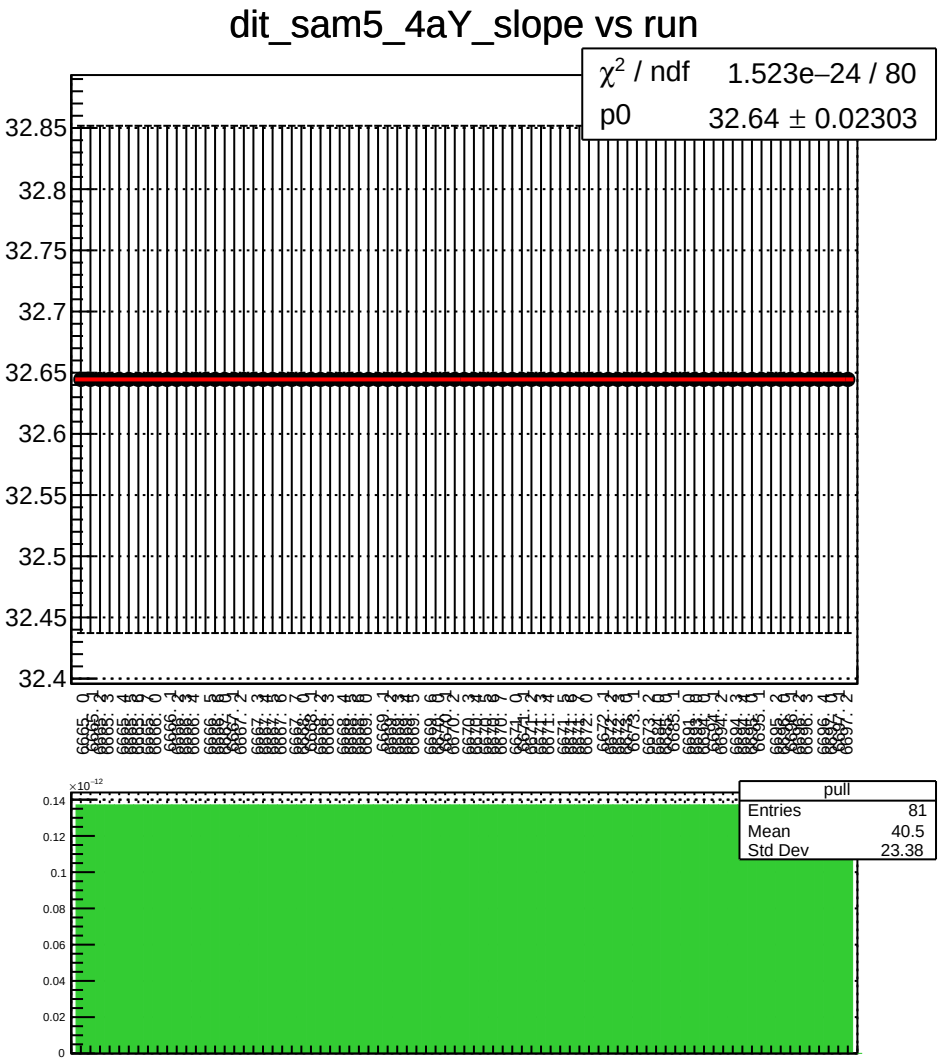

dit_sam5_4eX_slope vs run
χ^2 / ndf 5.412e−28 / 80
p0 −11.75 ± 0.2291
pull
Entries 81
Mean 40.5
Std Dev 23.38

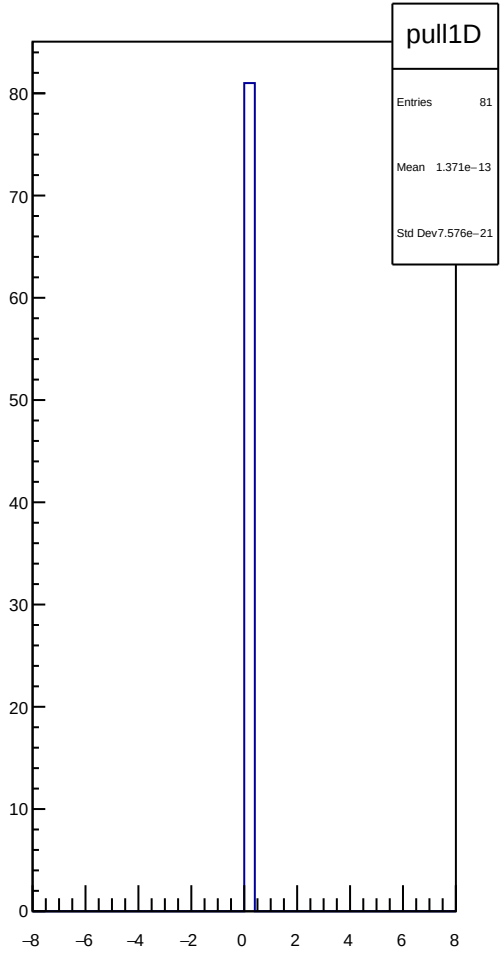

pull1D
Entries 81
Mean −2.585e−15
Std Dev 5.294e−23

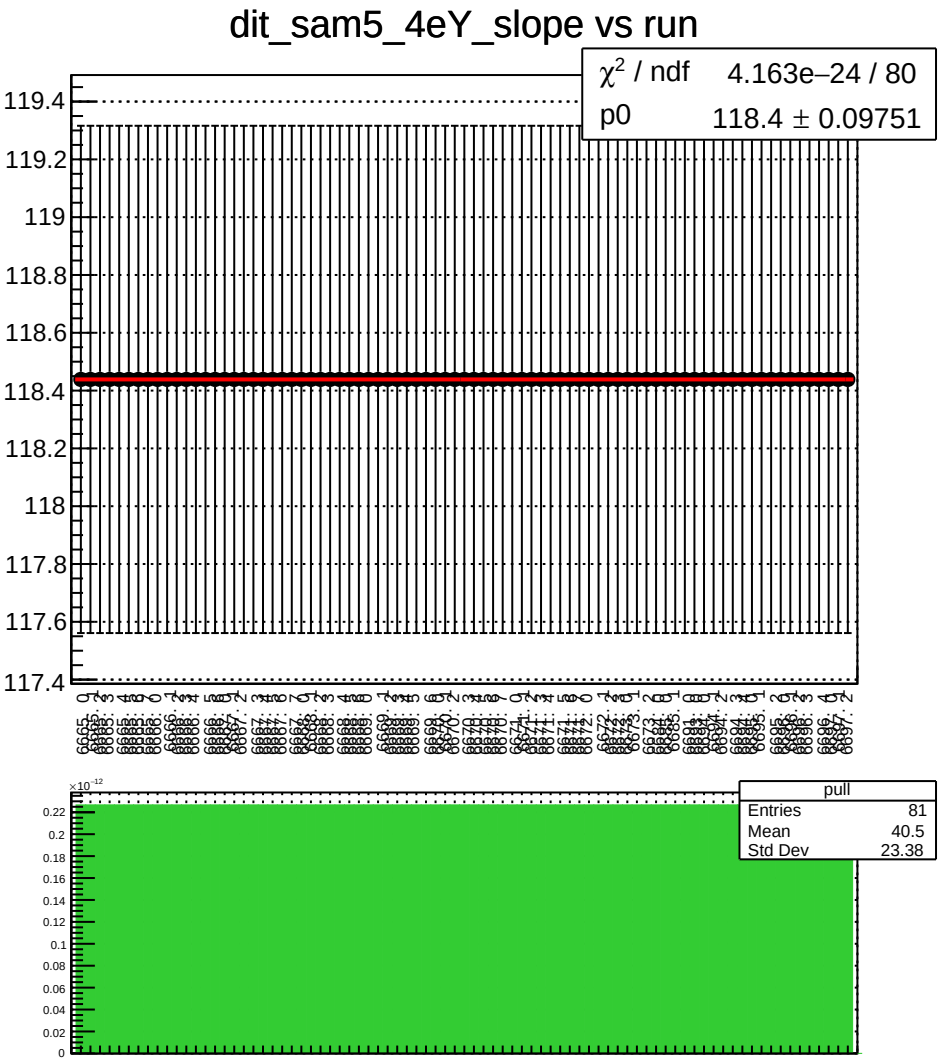
dit_sam5_11X12X_slope vs run

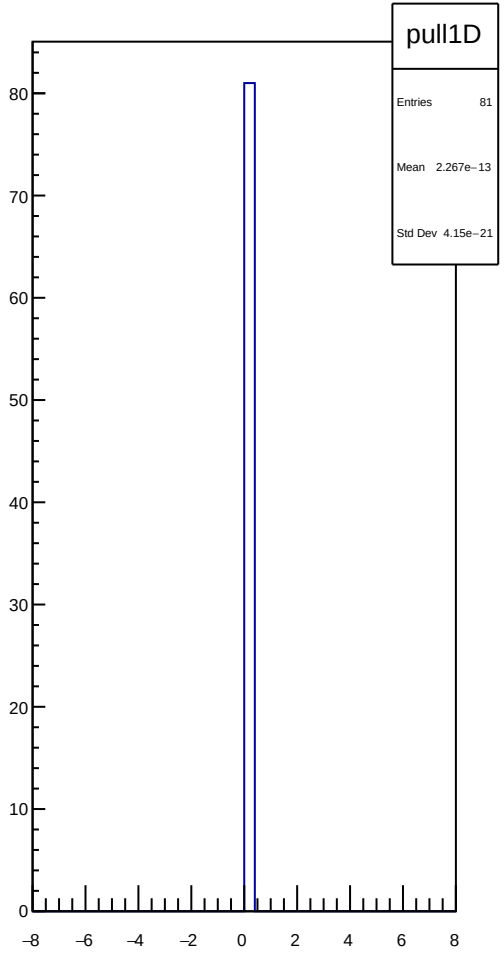


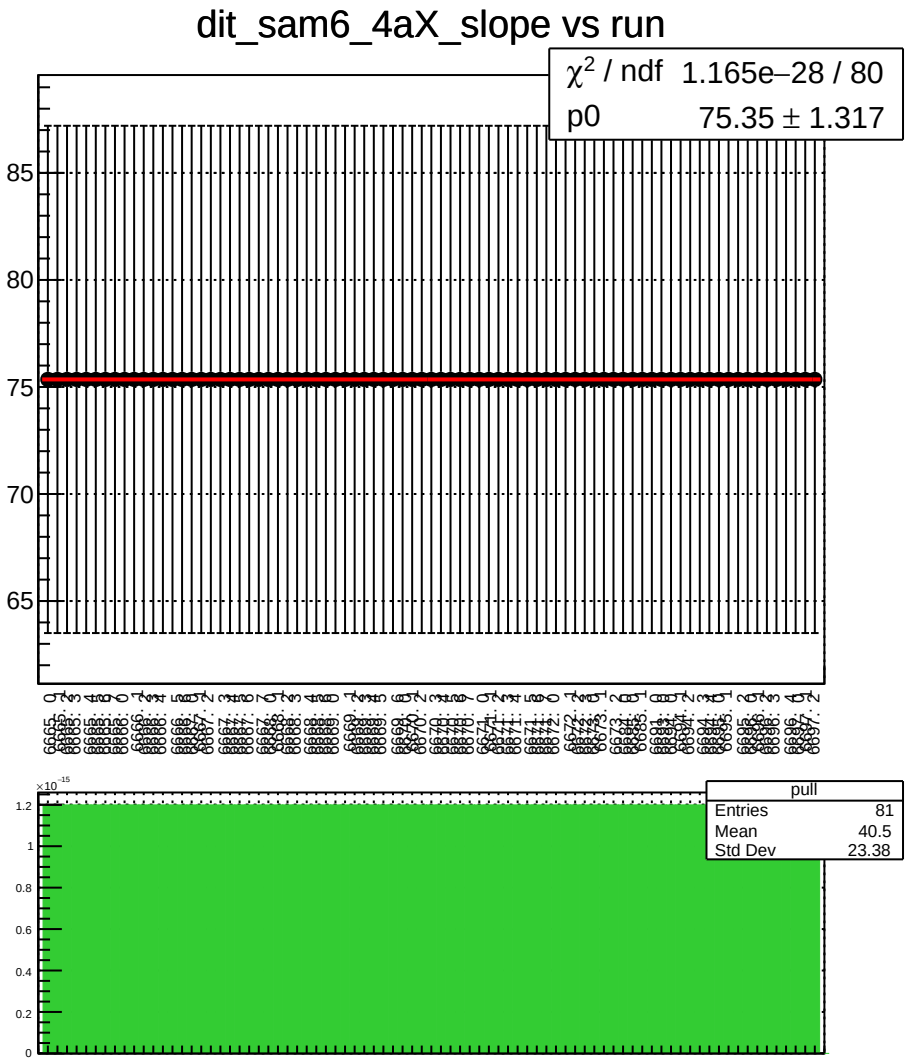


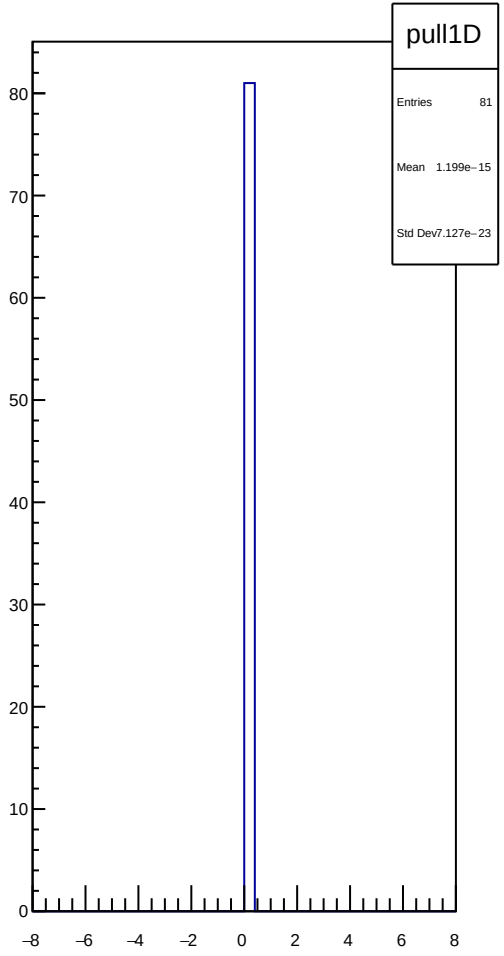

dit_sam5_4aY_slope vs run
χ² / ndf 1.523e−24 / 80
p0 32.64 ± 0.02303
32.85
32.8
32.75
32.7
32.65
32.6
32.55
32.5
32.45
32.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 81
Mean 1.371e−13
Std Dev 7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

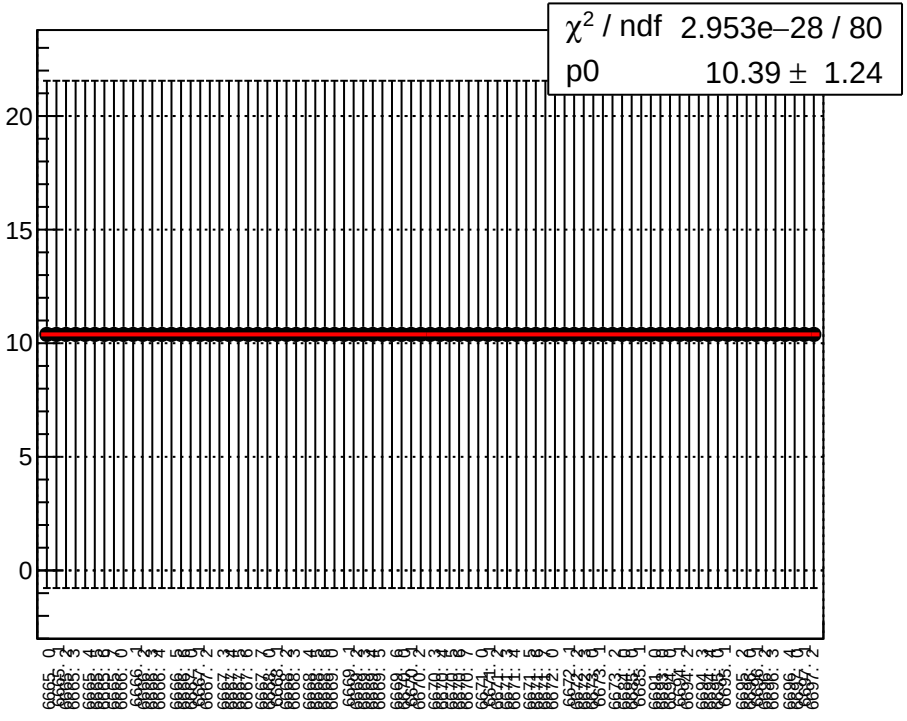

dit_sam5_4eY_slope vs run
χ^2 / ndf 4.163e−24 / 80
p0 118.4 ± 0.09751
119.4
119.2
119
118.8
118.6
118.4
118.2
118
117.8
117.6
117.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

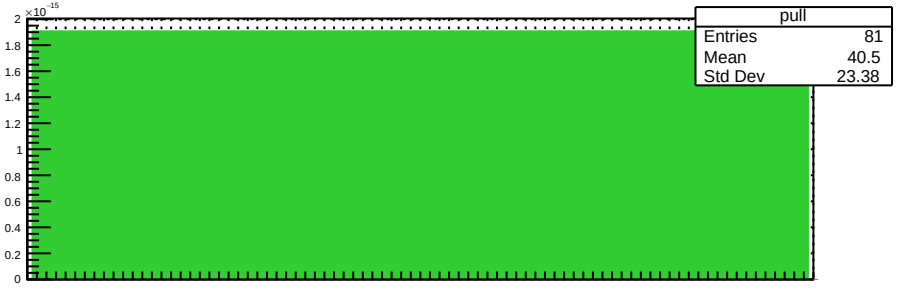

pull1D
Entries 81
Mean 2.267e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

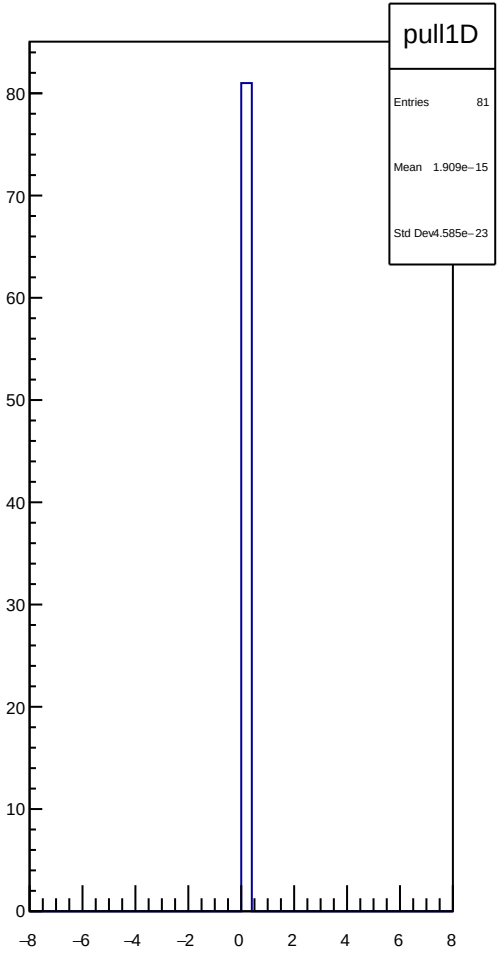

dit_sam6_4aX_slope vs run
χ^2 / ndf 1.165e−28 / 80
p0 75.35 ± 1.317
85
80
75
70
65
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
1.2
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 81
Mean 1.199e−15
Std Dev7.127e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

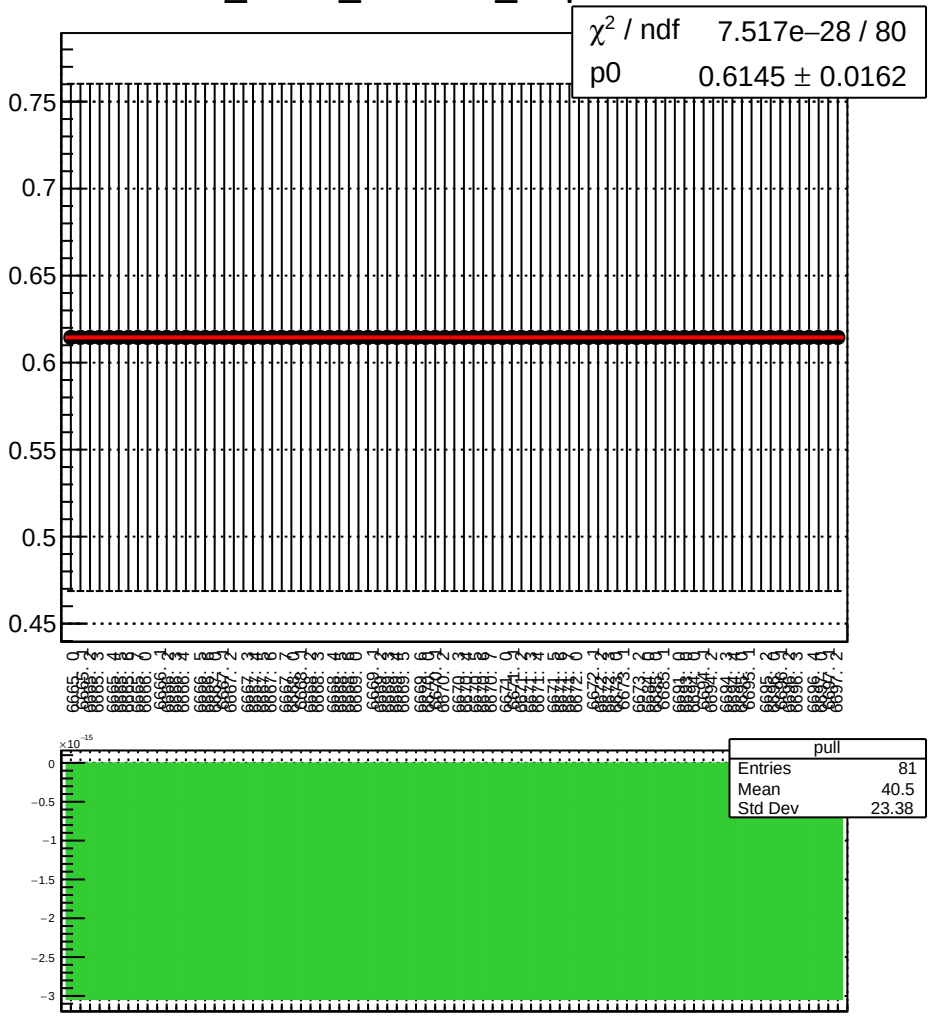
dit_sam6_4eX_slope vs run

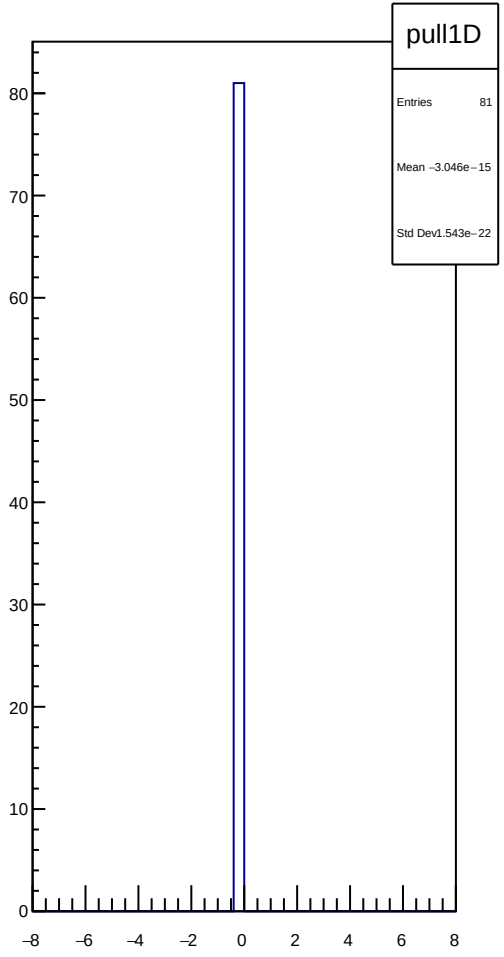




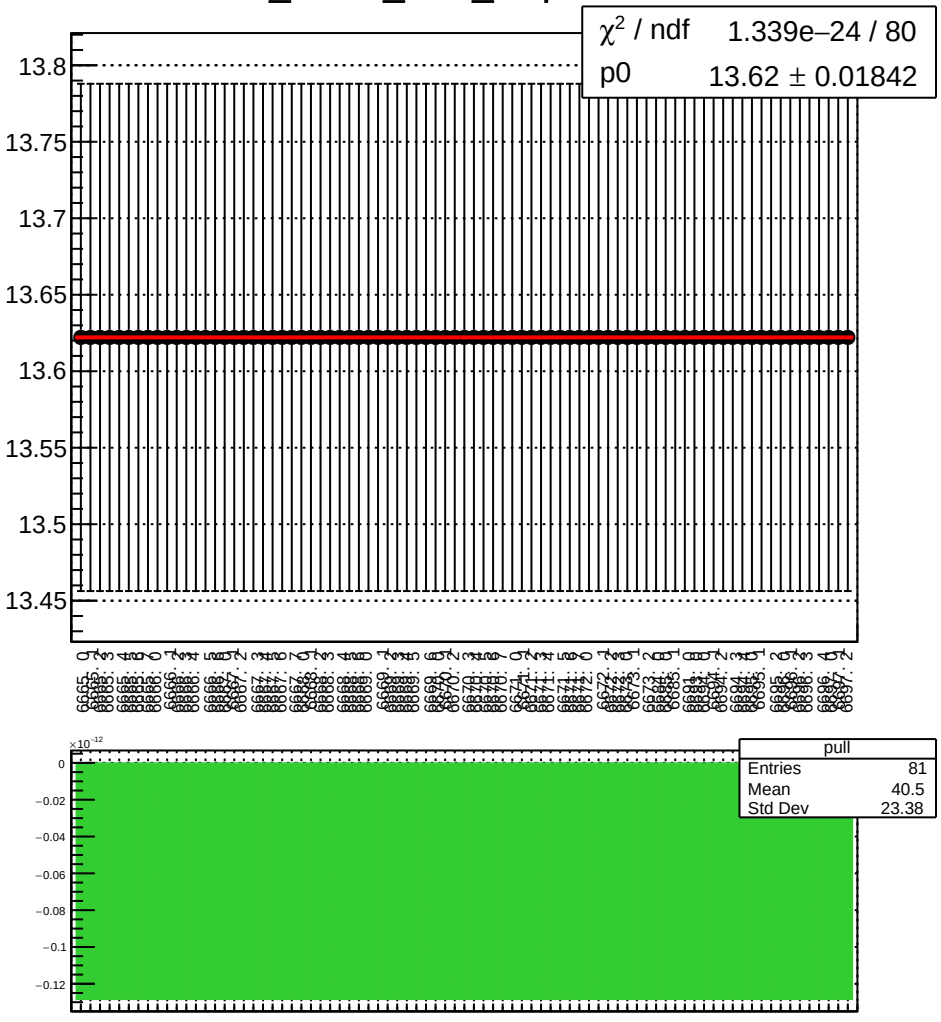


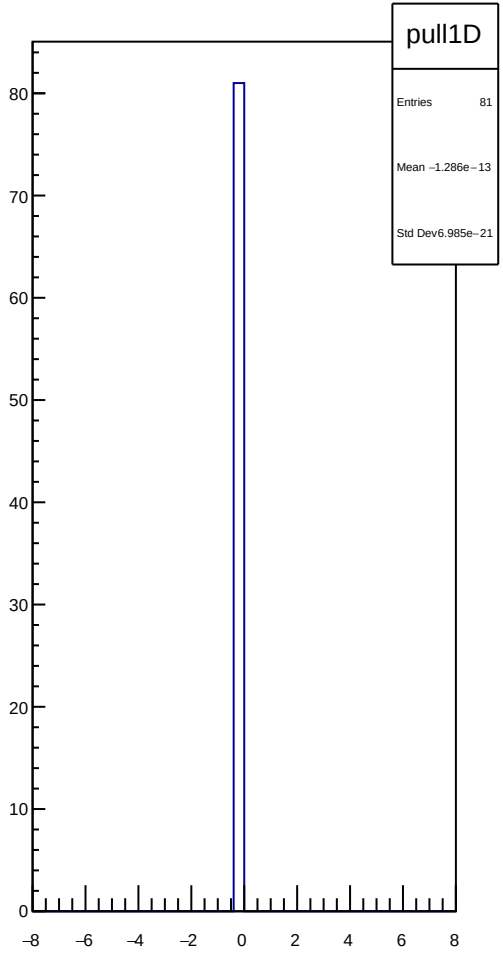
dit_sam6_11X12X_slope vs run



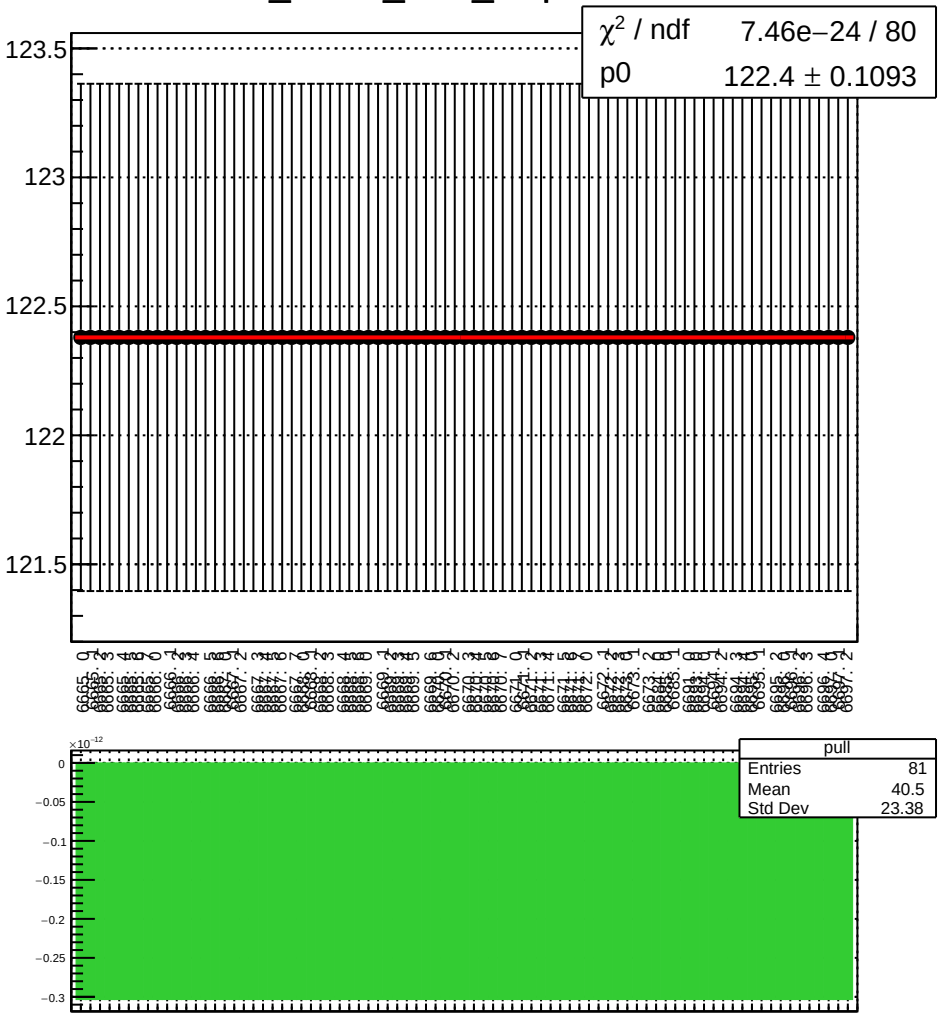


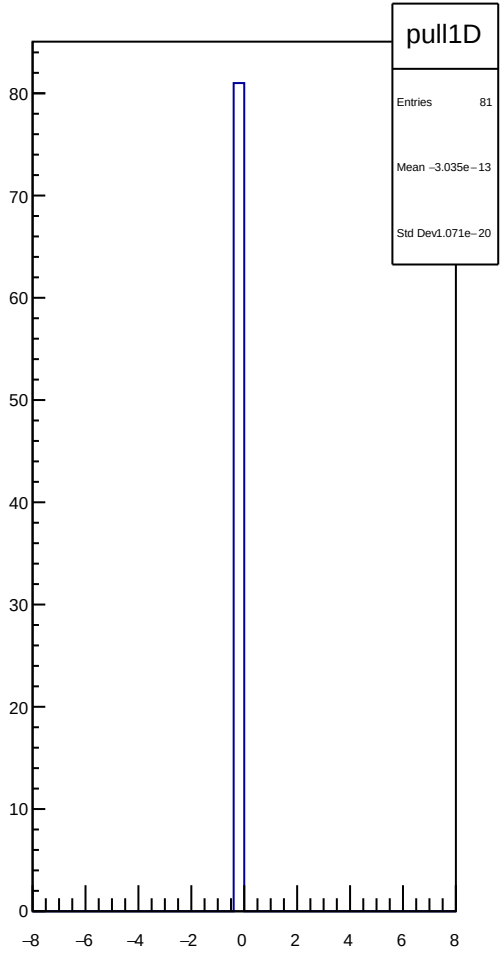
dit_sam6_4aY_slope vs run

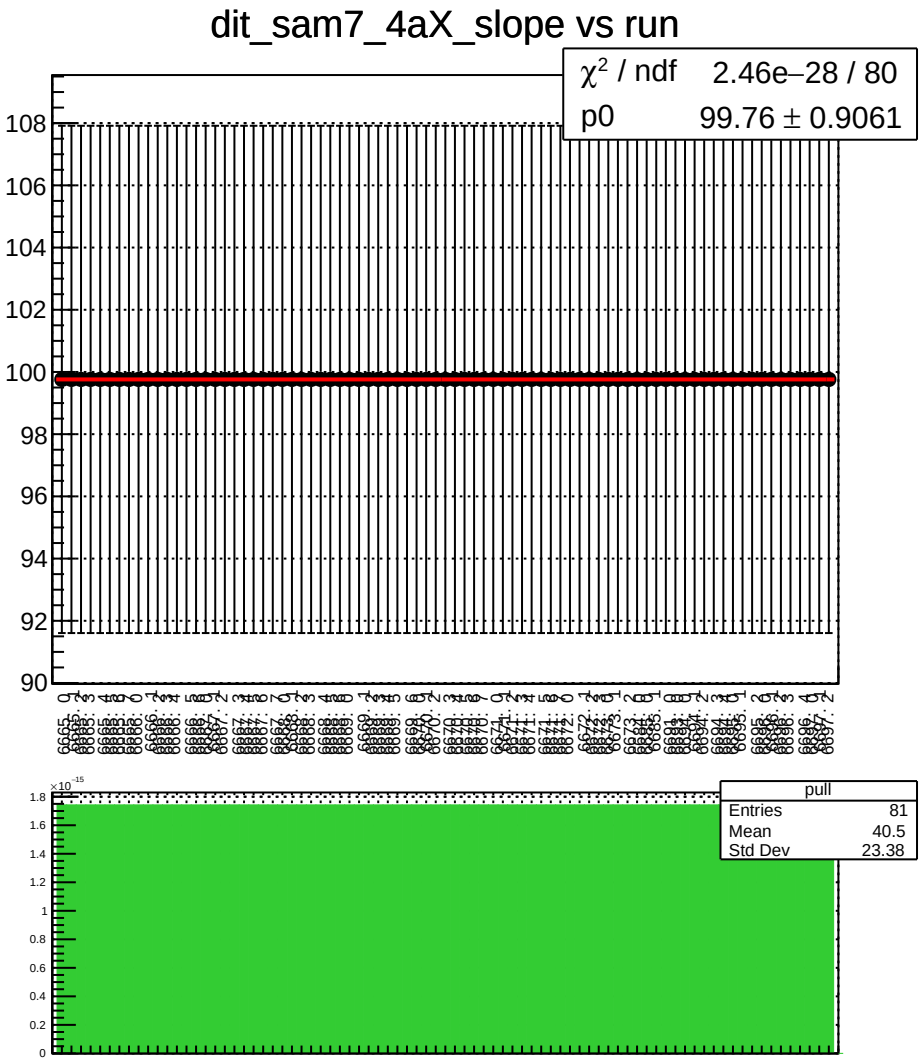


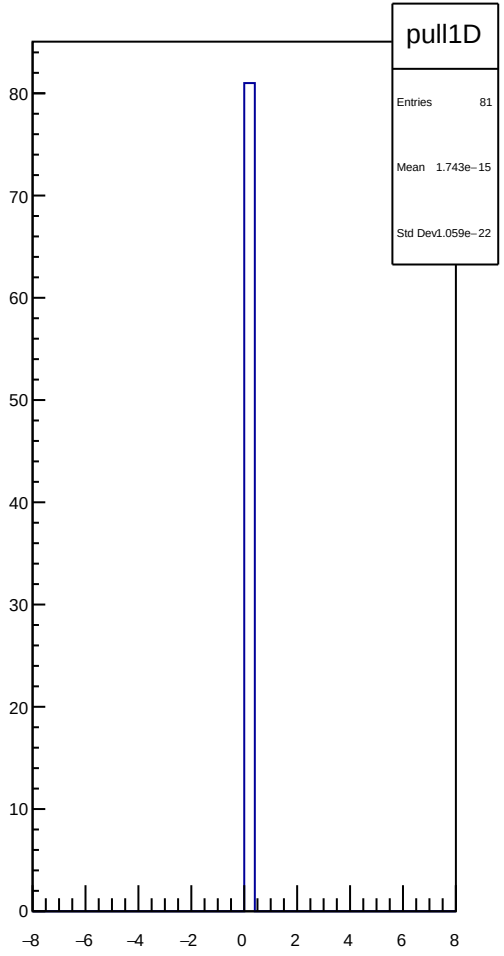


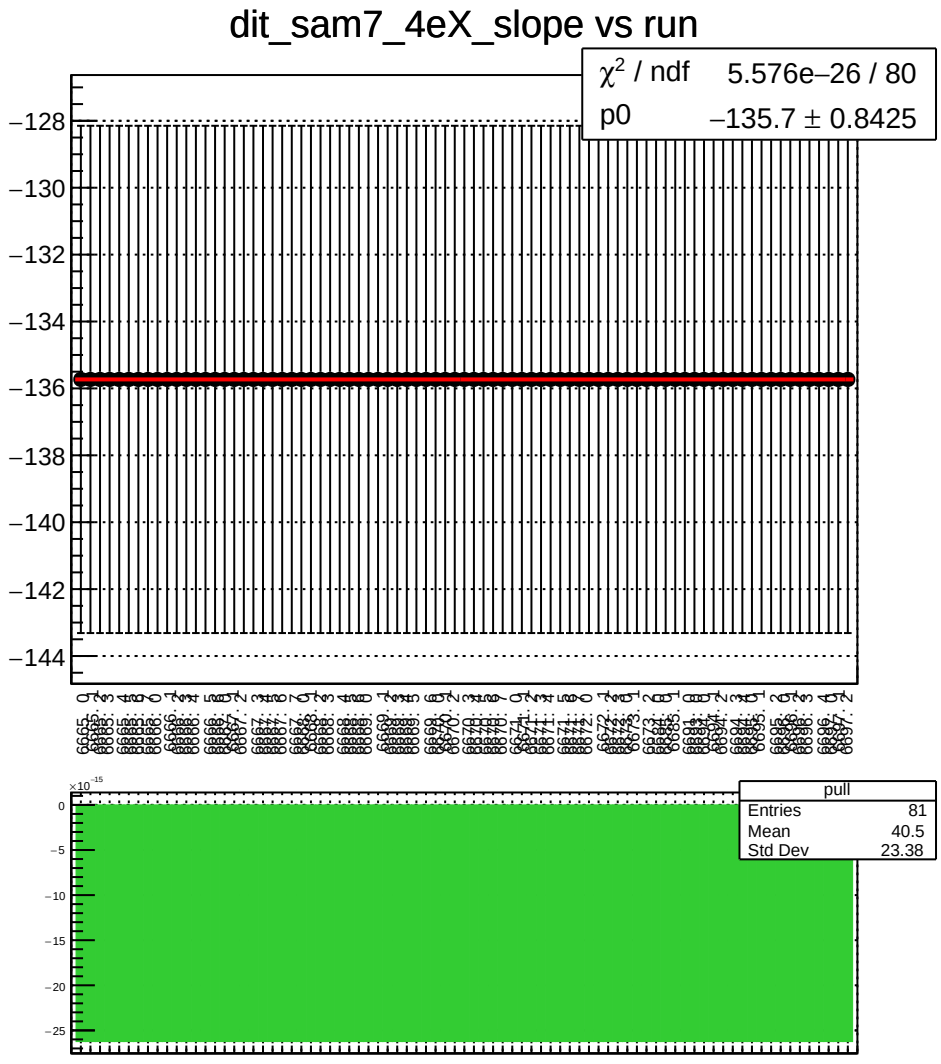
dit_sam6_4eY_slope vs run

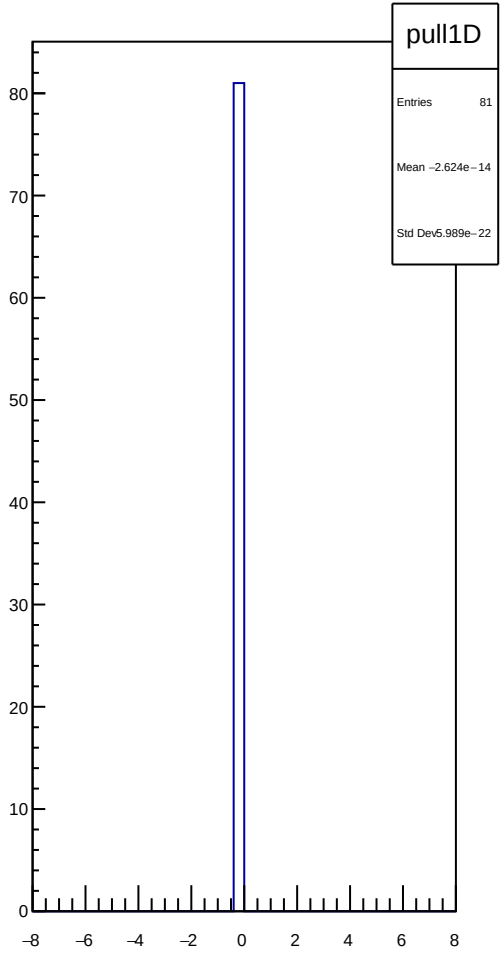




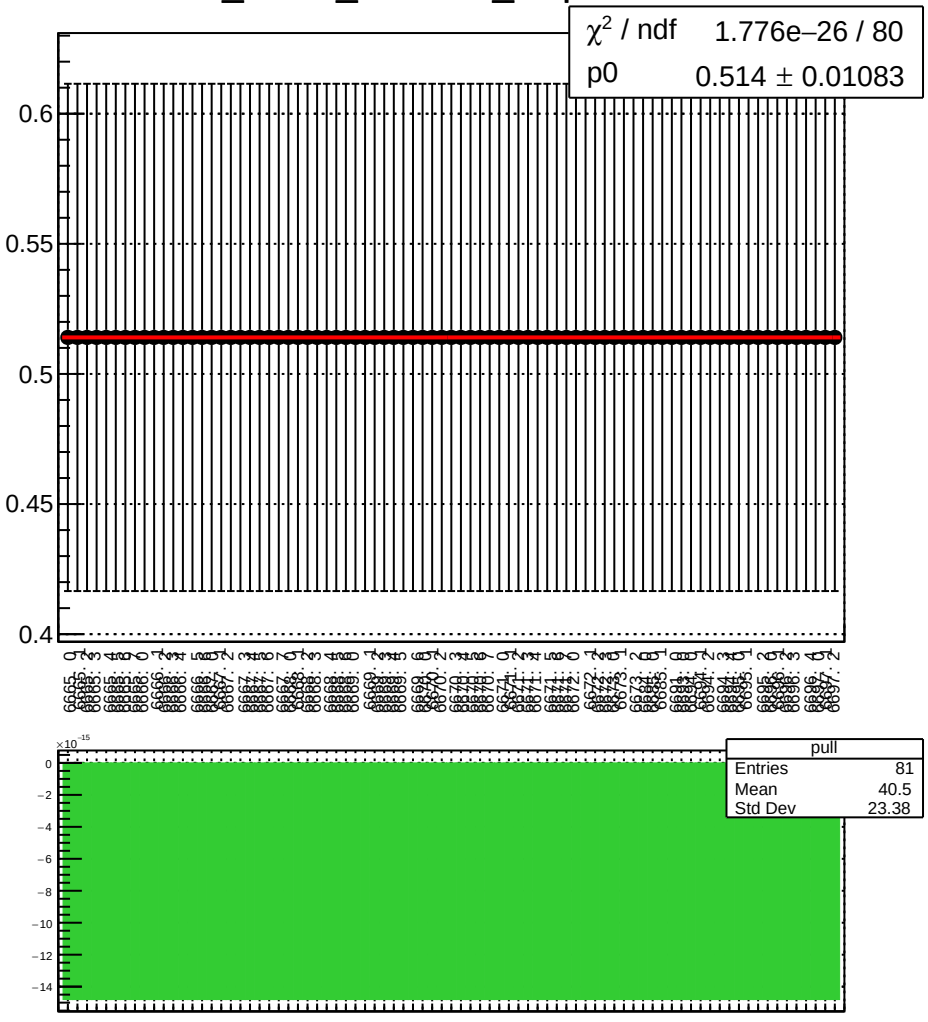

dit_sam7_4aX_slope vs run
χ² / ndf 2.46e−28 / 80
p0 99.76 ± 0.9061
108
106
104
102
100
98
96
94
92
90
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

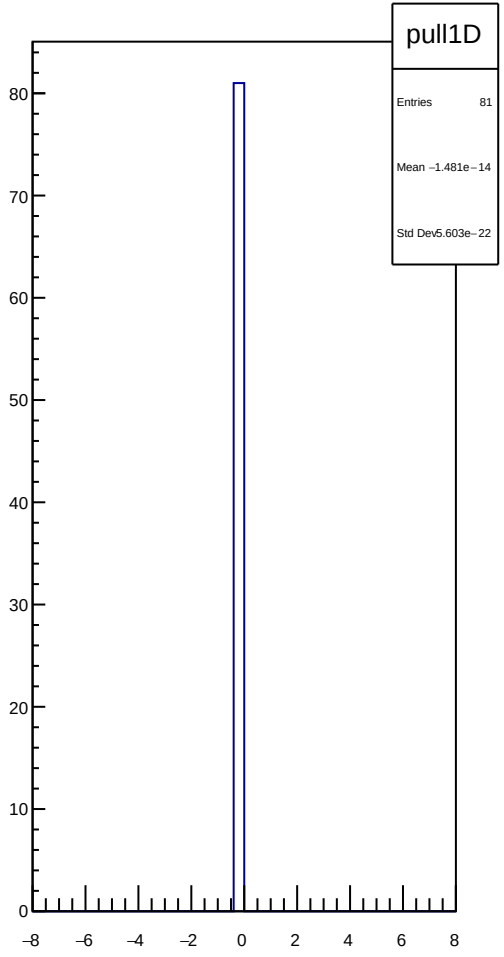

pull1D
Entries 81
Mean 1.743e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

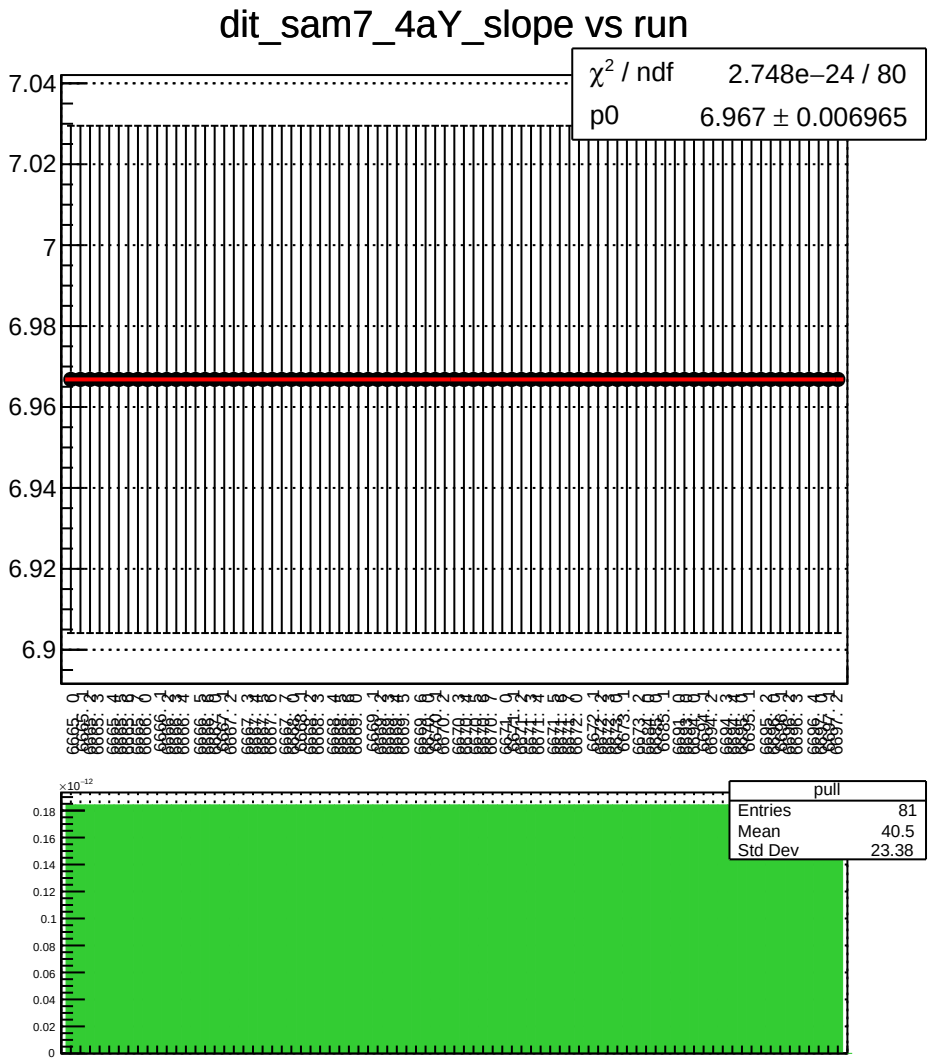

dit_sam7_4eX_slope vs run
χ² / ndf 5.576e−26 / 80
p0 −135.7 ± 0.8425
−128
−130
−132
−134
−136
−138
−140
−142
−144
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−5
−10
−15
−20
−25

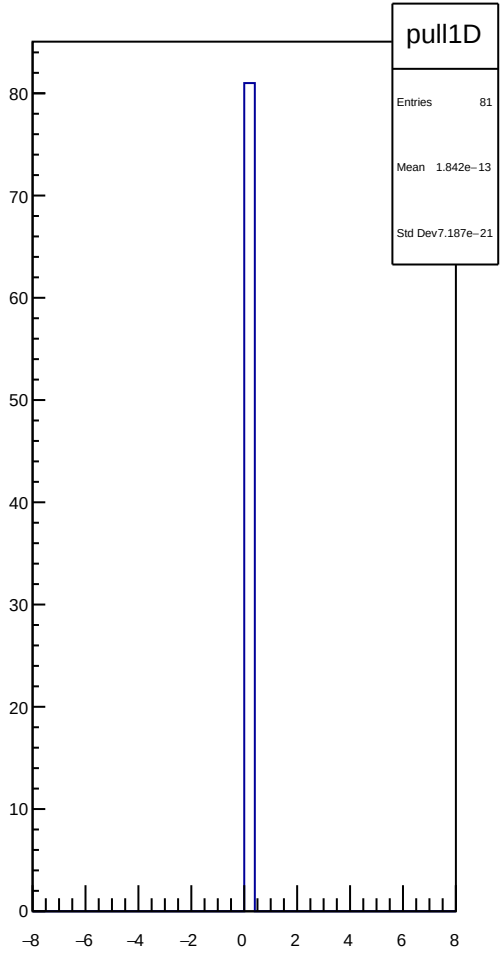

pull1D
Entries 81
Mean −2.624e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

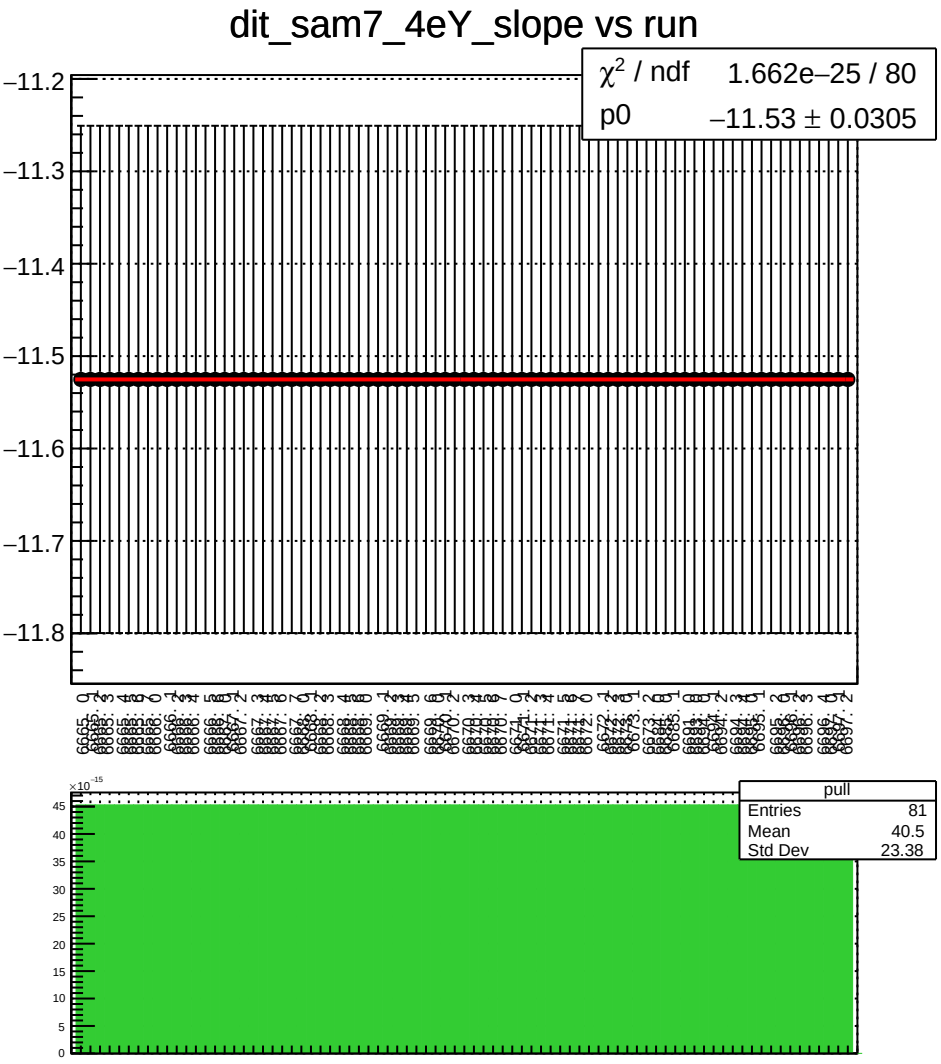
dit_sam7_11X12X_slope vs run

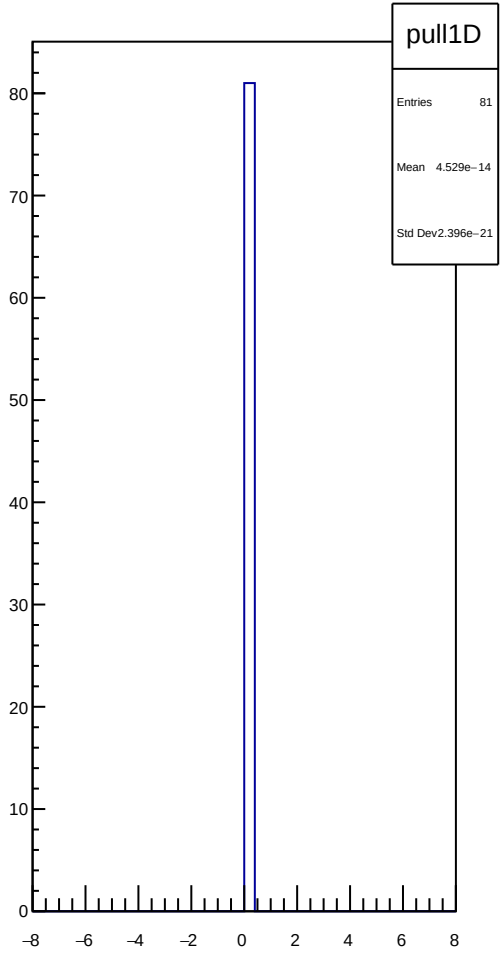


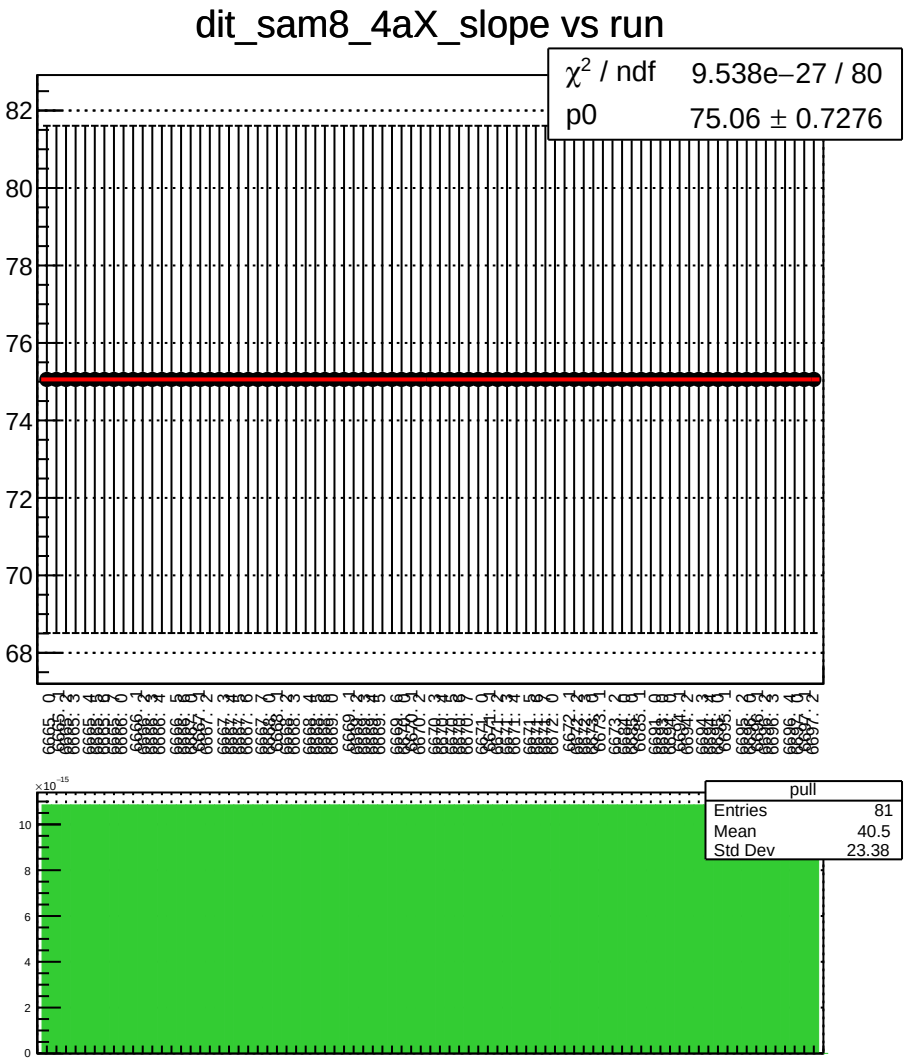


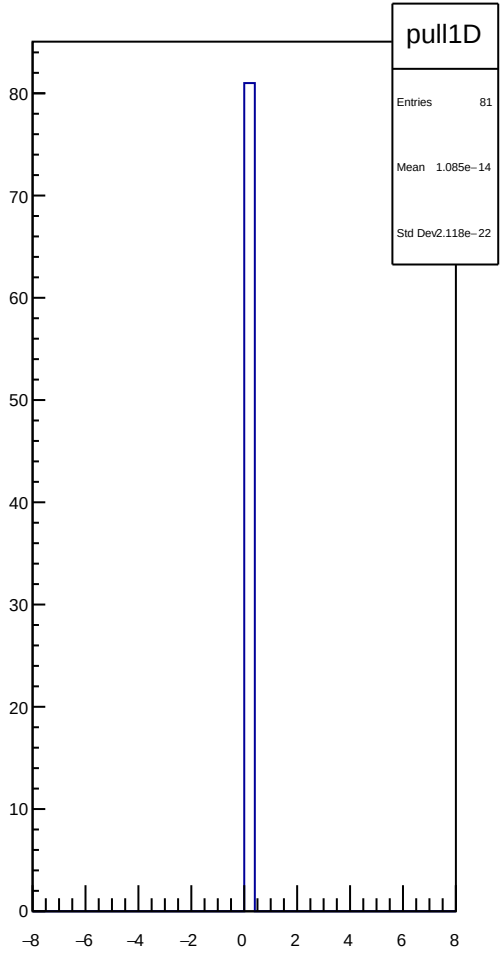

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.748e−24 / 80
p0 6.967 ± 0.006965
7.04
7.02
7
6.98
6.96
6.94
6.92
6.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

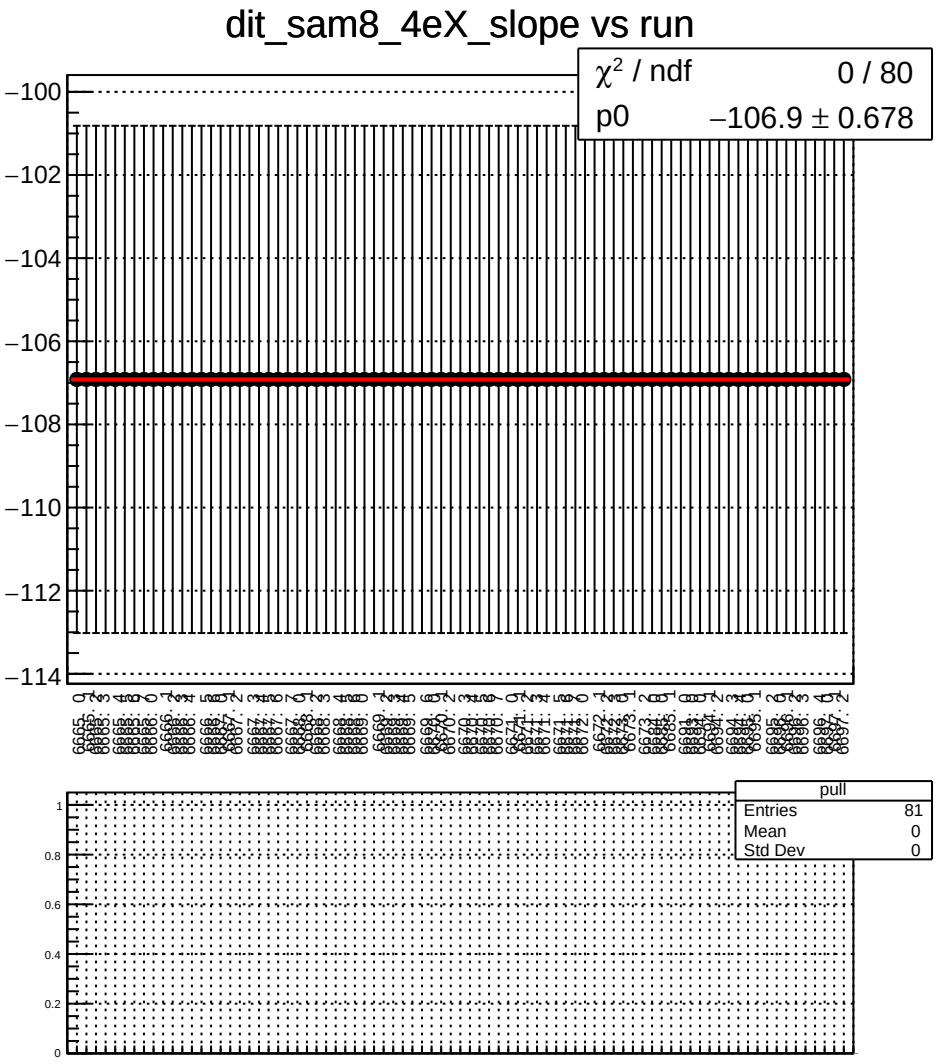

pull1D
Entries 81
Mean 1.842e−13
Std Dev 7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

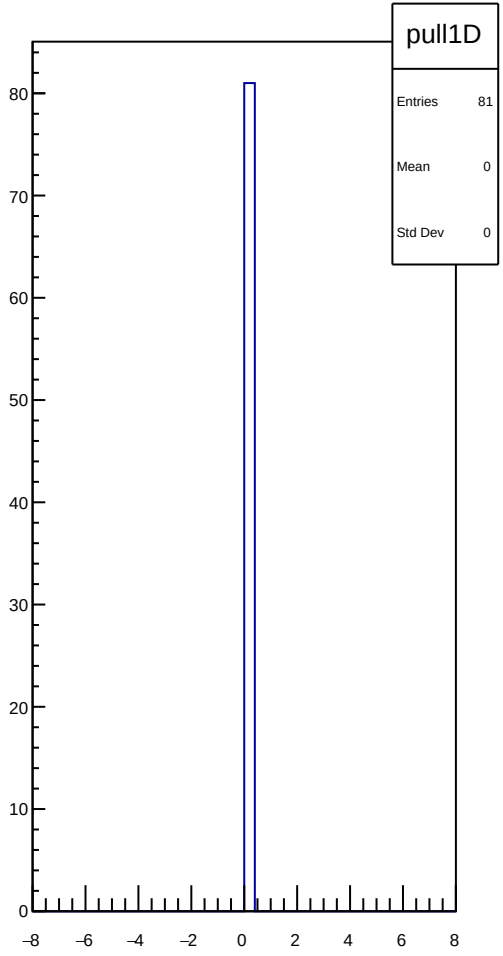

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.662e−25 / 80
p0 −11.53 ± 0.0305
−11.2
−11.3
−11.4
−11.5
−11.6
−11.7
−11.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15


pull1D
Entries 81
Mean 4.529e−14
Std Dev 2.396e−21

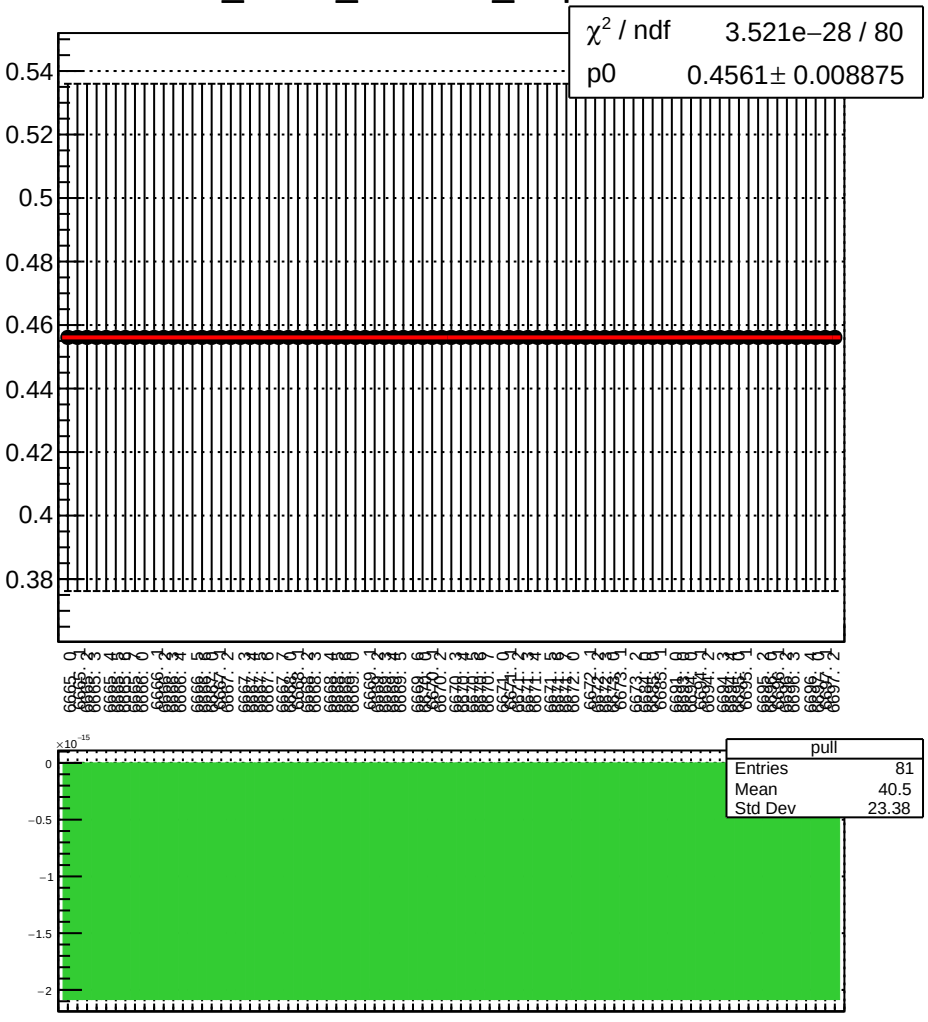

dit_sam8_4aX_slope vs run
χ^2 / ndf 9.538e−27 / 80
p0 75.06 ± 0.7276
82
80
78
76
74
72
70
68
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-15}$
10
8
6
4
2
0

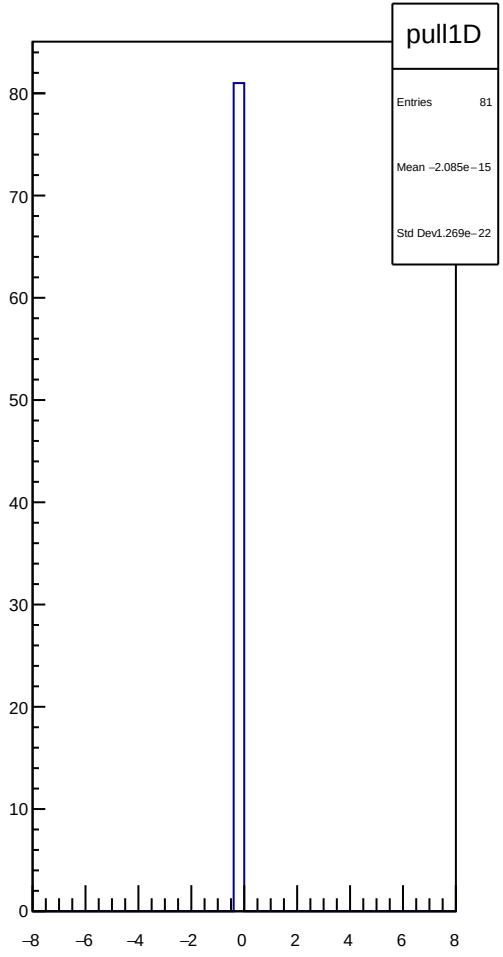

pull1D
Entries 81
Mean 1.085e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

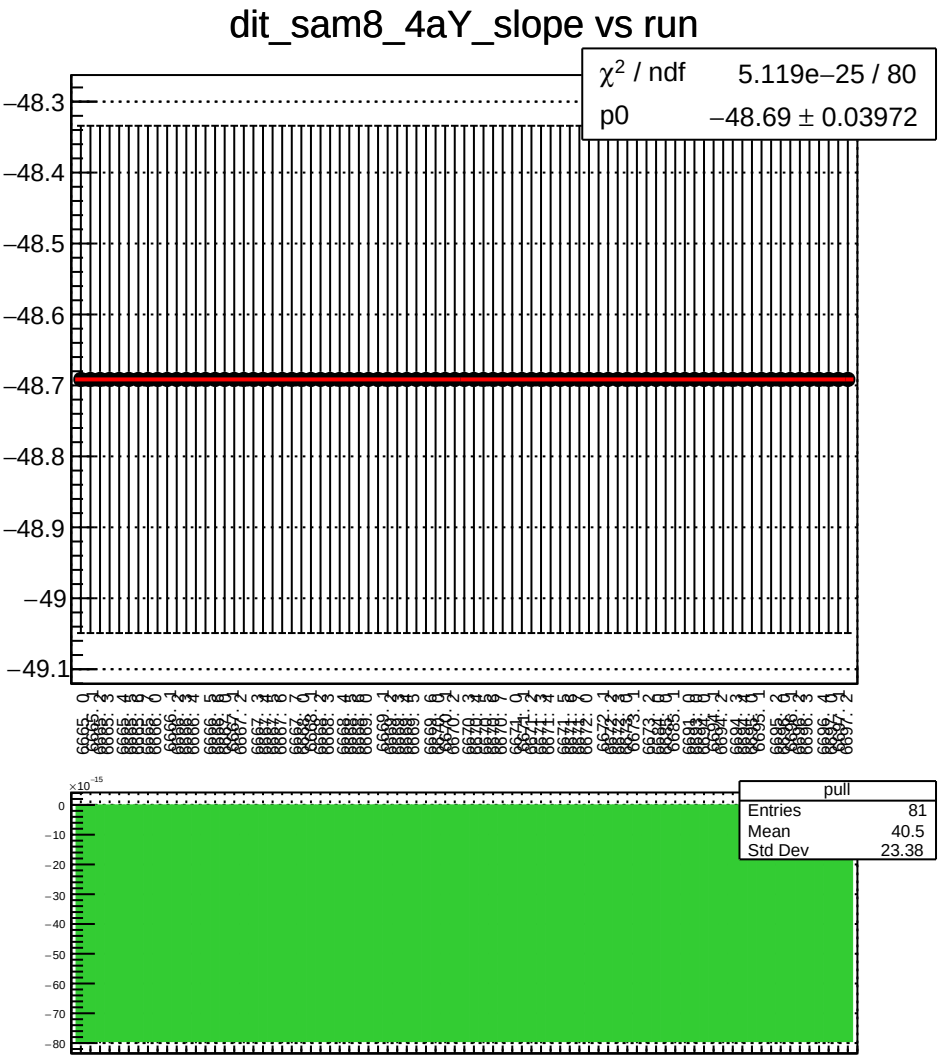

dit_sam8_4eX_slope vs run
χ² / ndf 0 / 80
p0 −106.9 ± 0.678
−100
−102
−104
−106
−108
−110
−112
−114
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

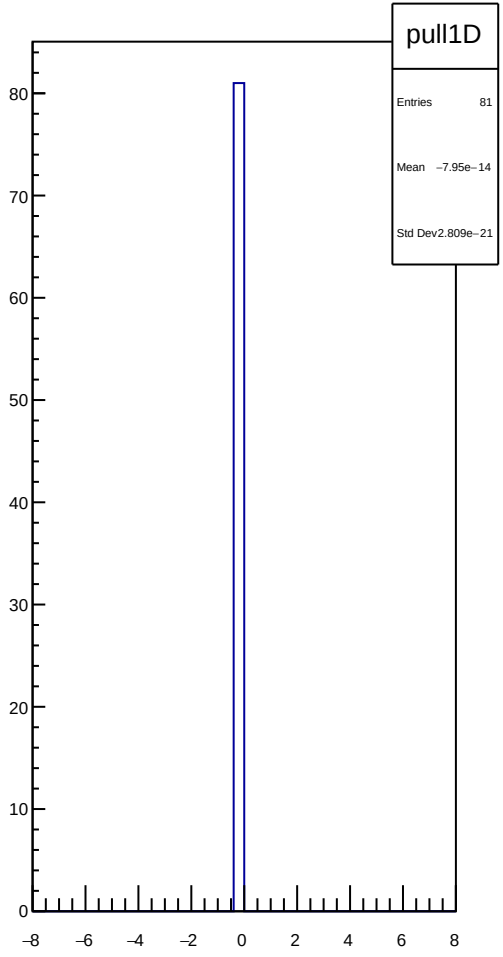

pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

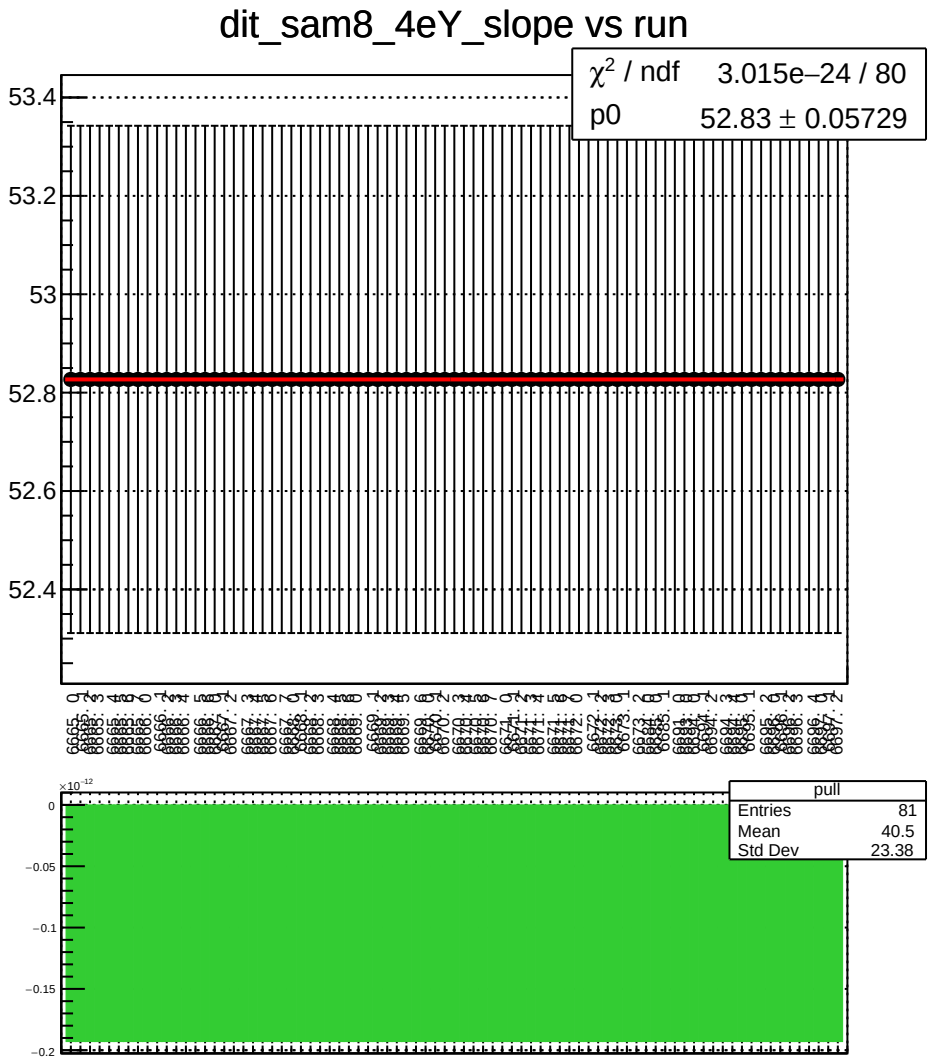
dit_sam8_11X12X_slope vs run

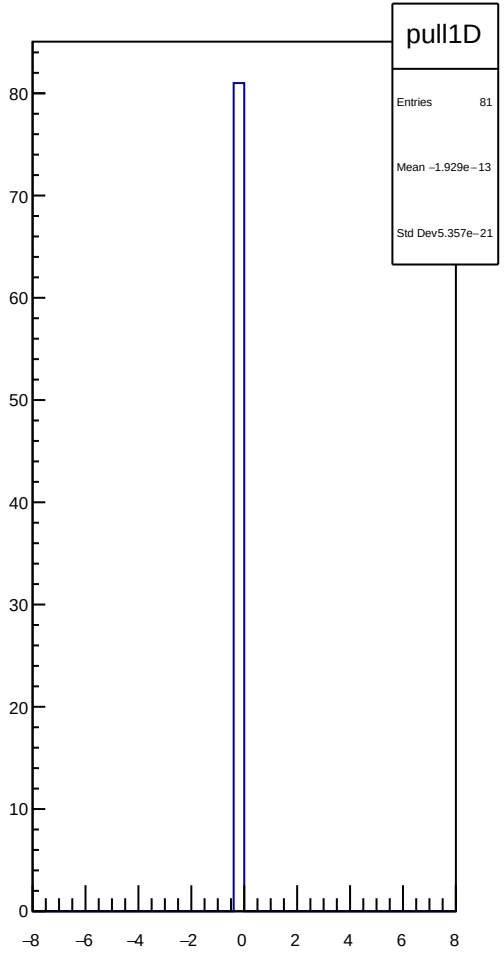




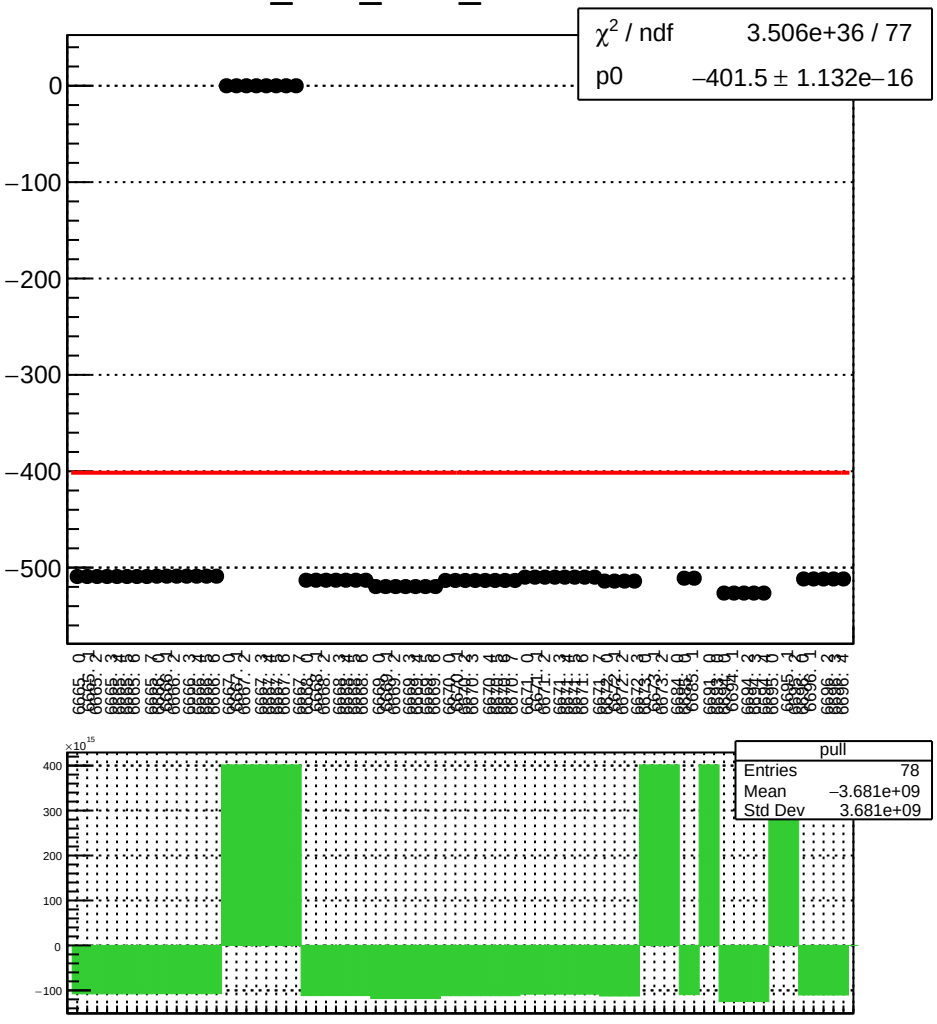

dit_sam8_4aY_slope vs run
χ² / ndf 5.119e−25 / 80
p0 −48.69 ± 0.03972
−48.3
−48.4
−48.5
−48.6
−48.7
−48.8
−48.9
−49
−49.1
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

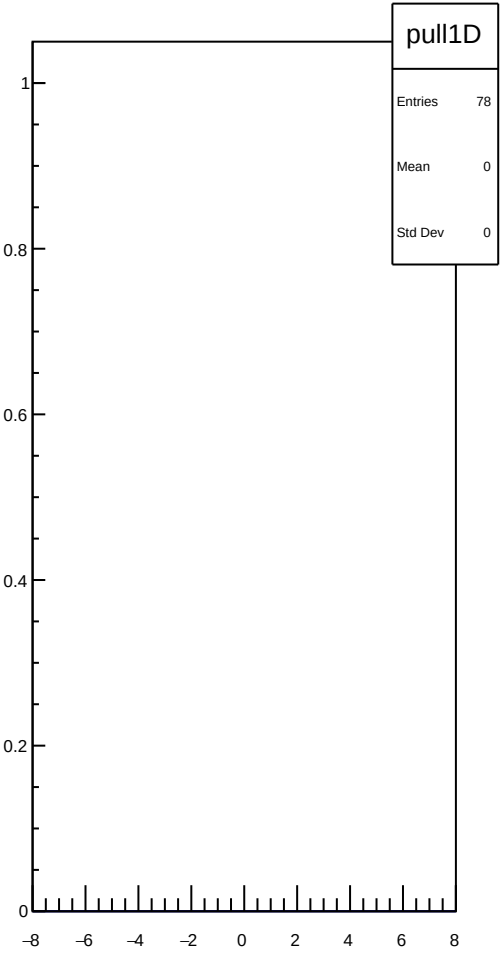

pull1D
Entries 81
Mean −7.95e−14
Std Dev 2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

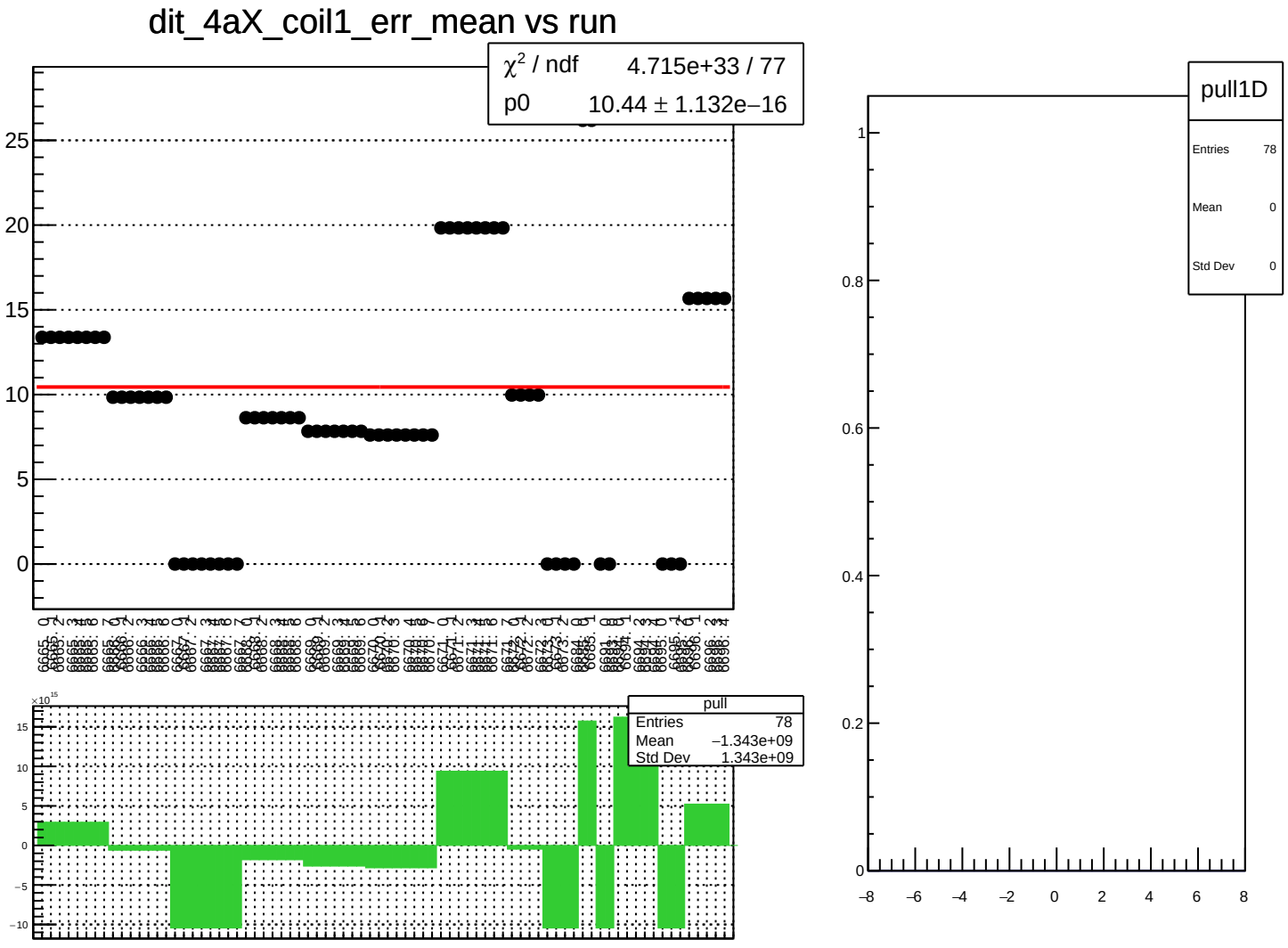

dit_sam8_4eY_slope vs run
χ² / ndf 3.015e−24 / 80
p0 52.83 ± 0.05729
53.4
53.2
53
52.8
52.6
52.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2


pull1D
Entries 81
Mean −1.929e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

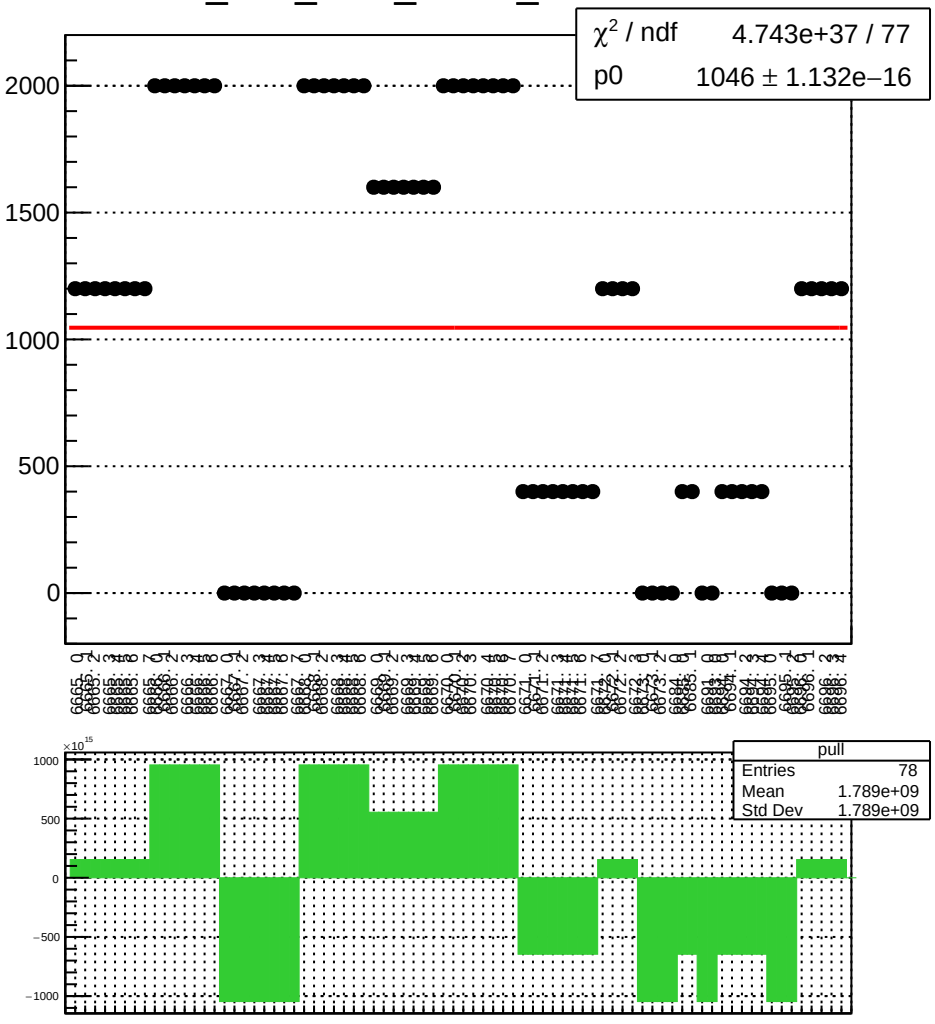
dit_4aX_coil1_mean vs run

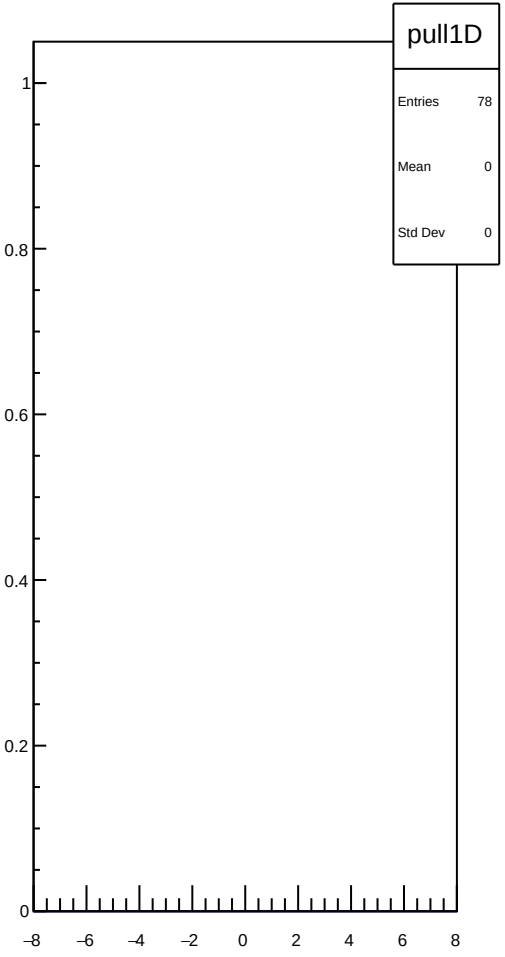




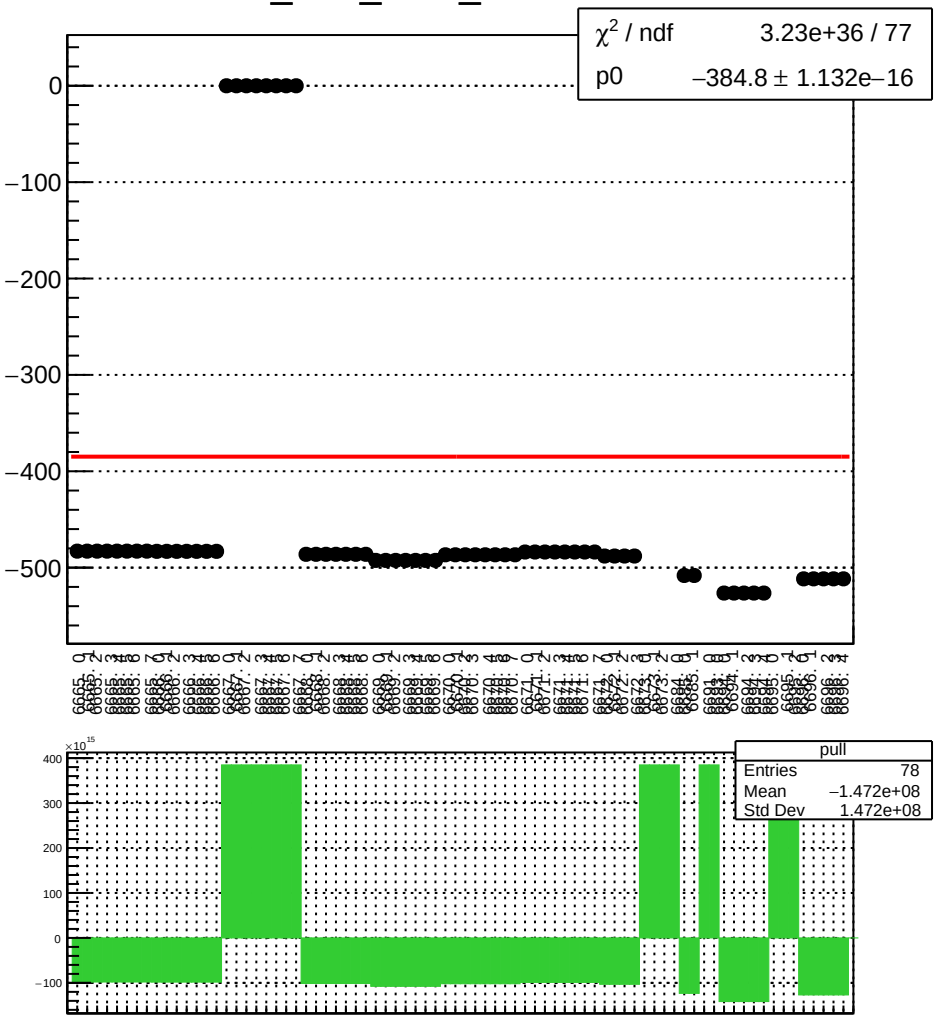

dit_4aX_coil1_err_mean vs run
χ² / ndf 4.715e+33 / 77
p0 10.44 ± 1.132e−16
pull
Entries 78
Mean −1.343e+09
Std Dev 1.343e+09
pull1D
Entries 78
Mean 0
Std Dev 0

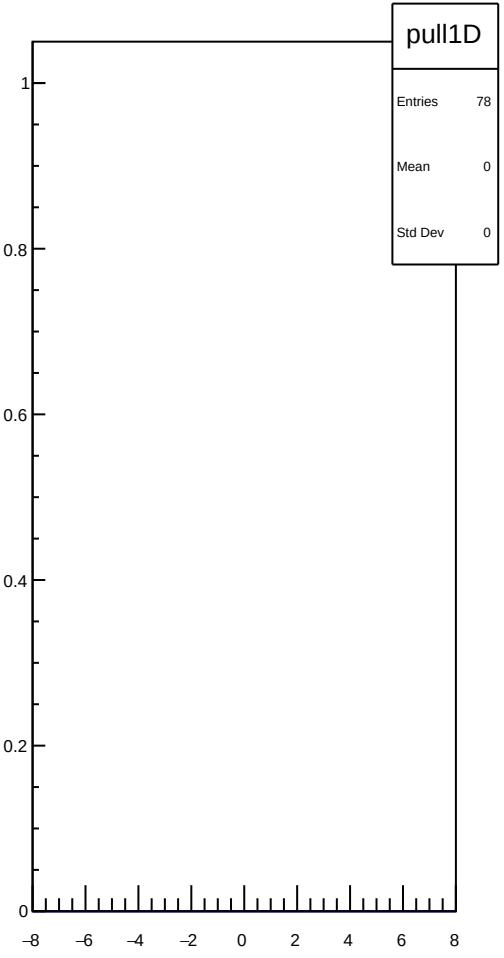
dit_4aX_coil1_Ndata_mean vs run



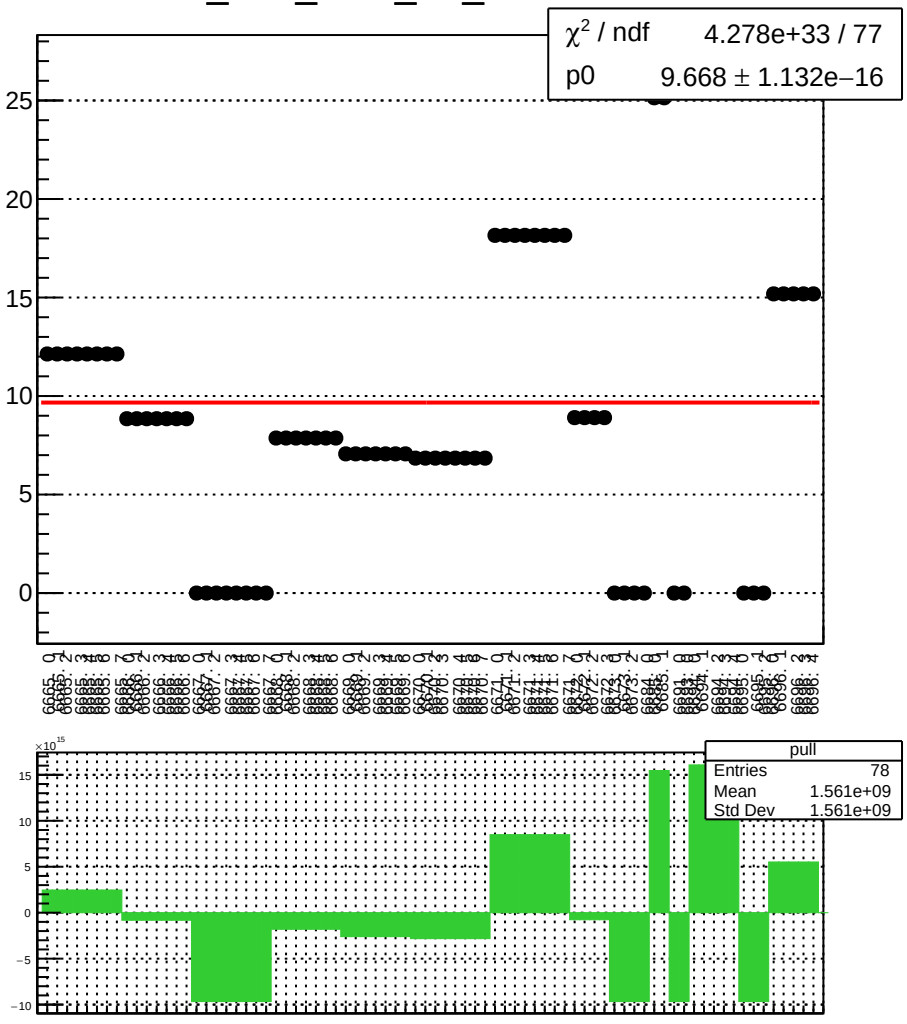


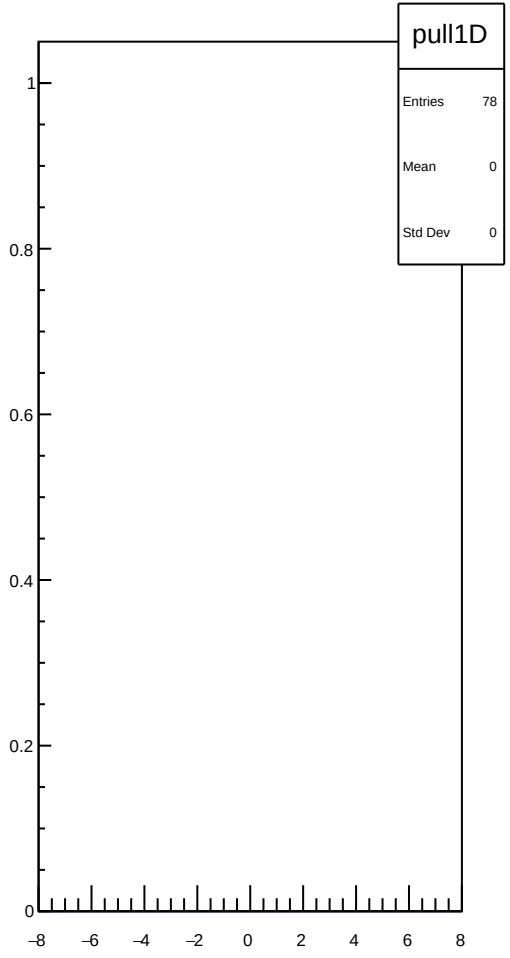
dit_4eX_coil1_mean vs run



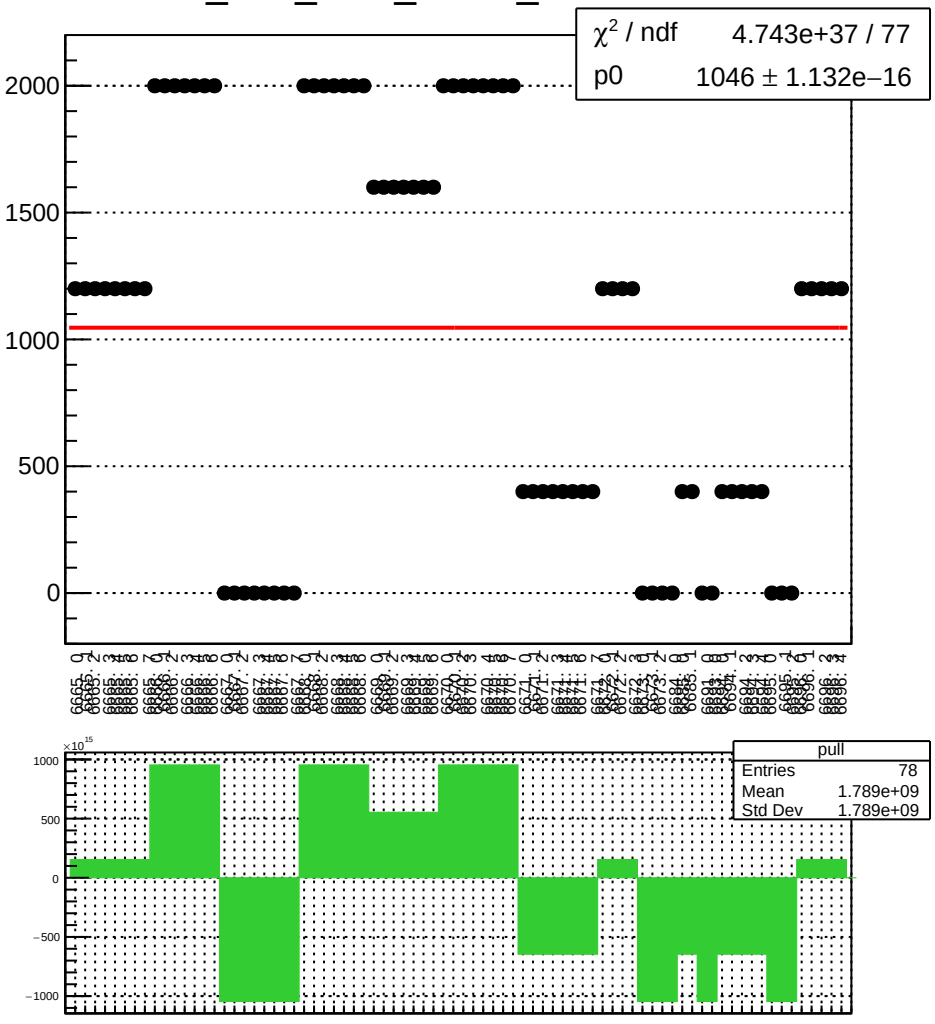


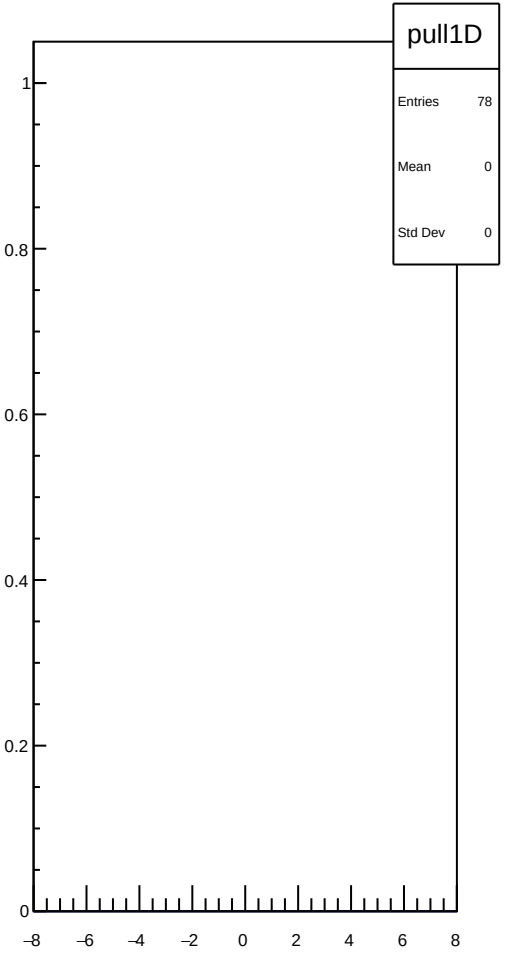
dit_4eX_coil1_err_mean vs run



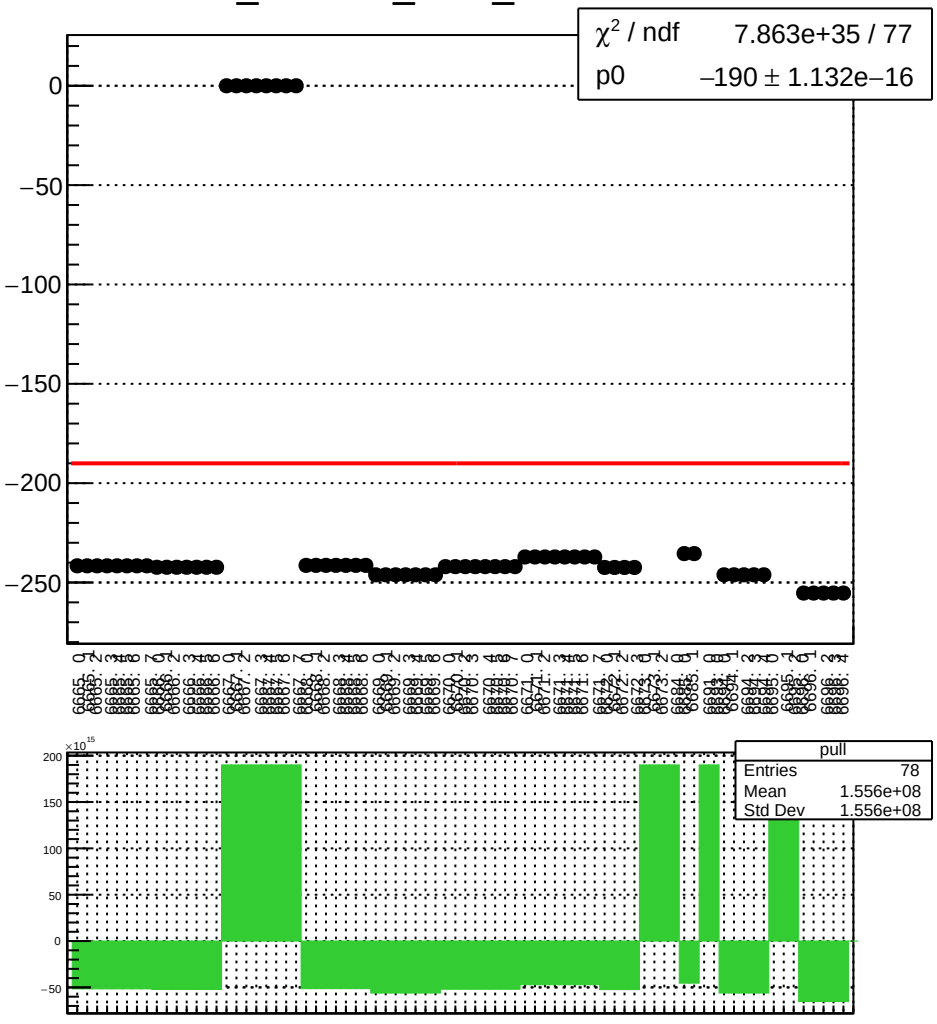


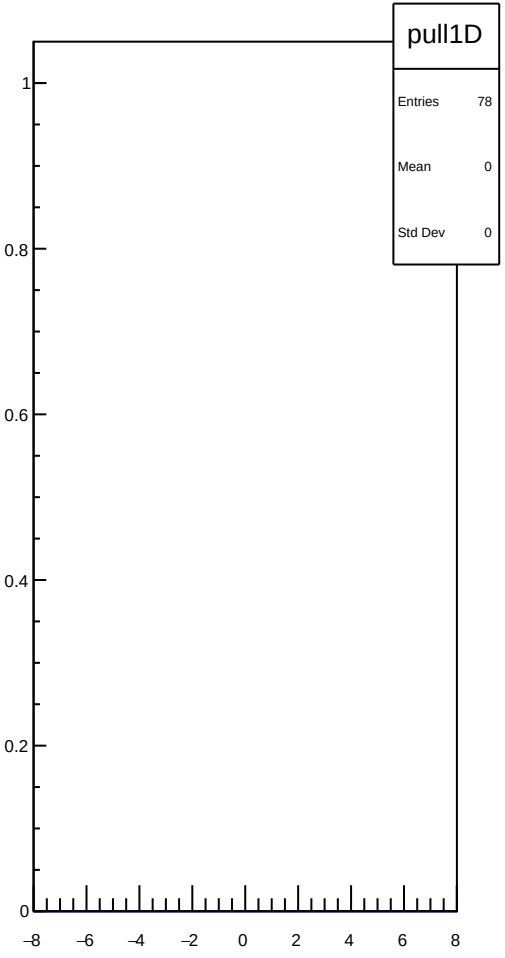
dit_4eX_coil1_Ndata_mean vs run



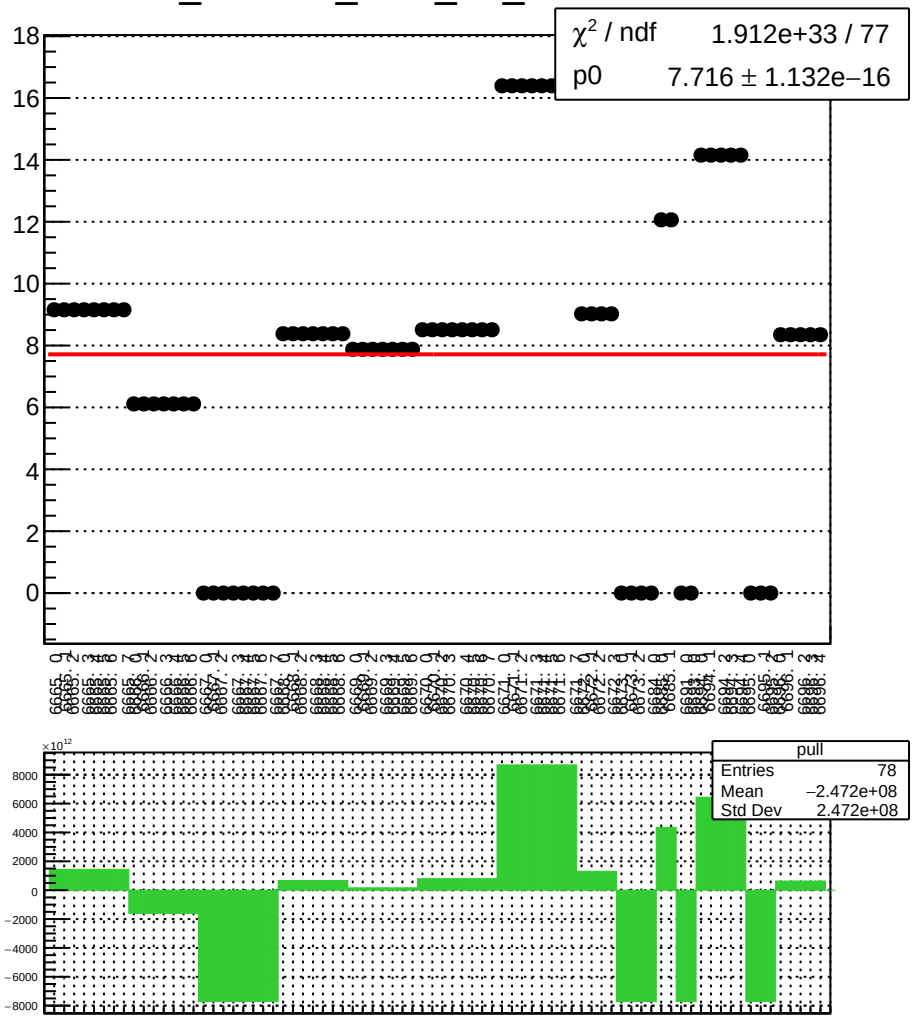


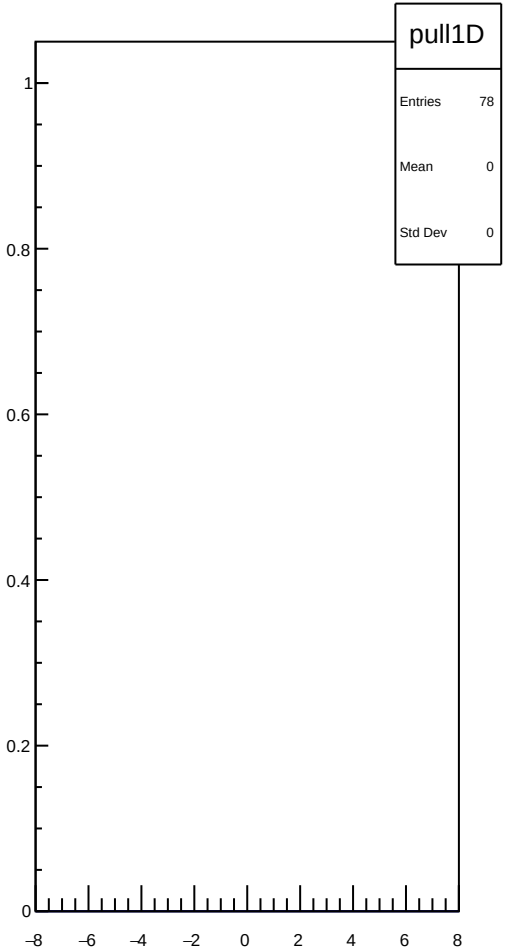
dit_11X12X_coil1_mean vs run



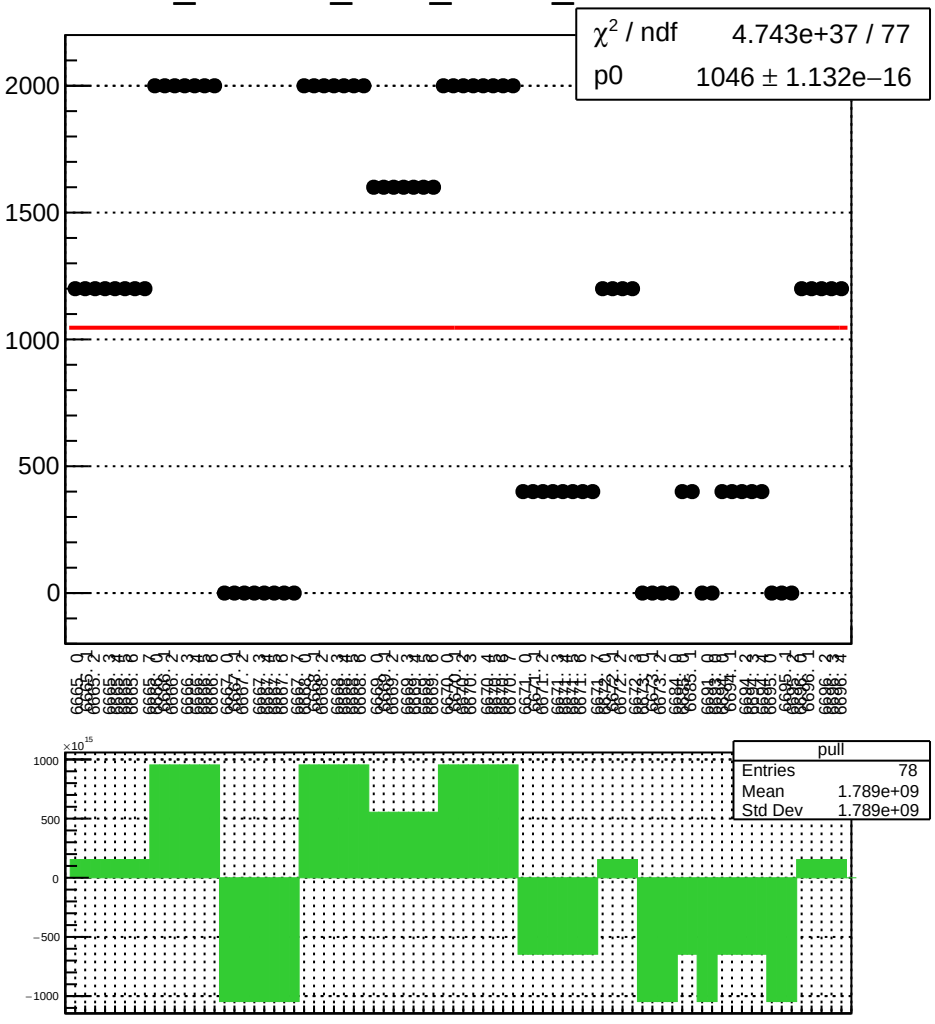


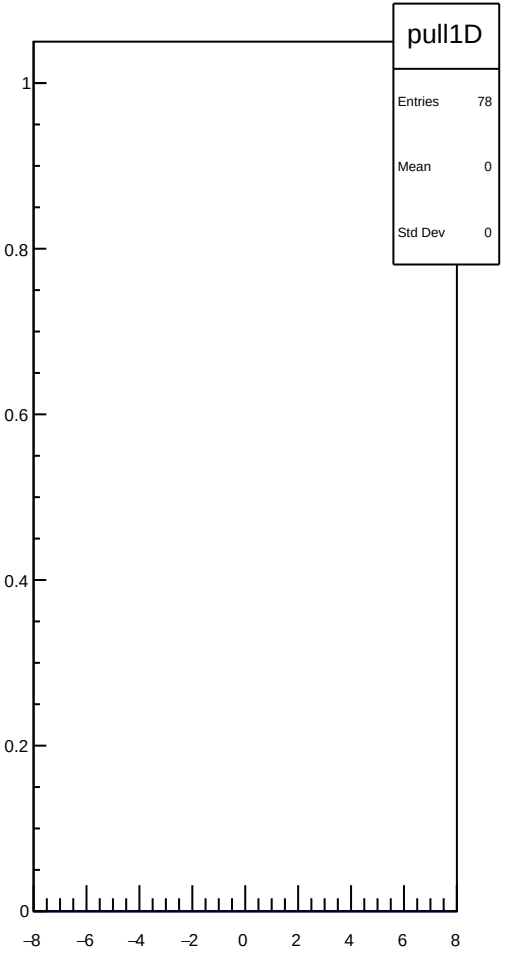
dit_11X12X_coil1_err_mean vs run



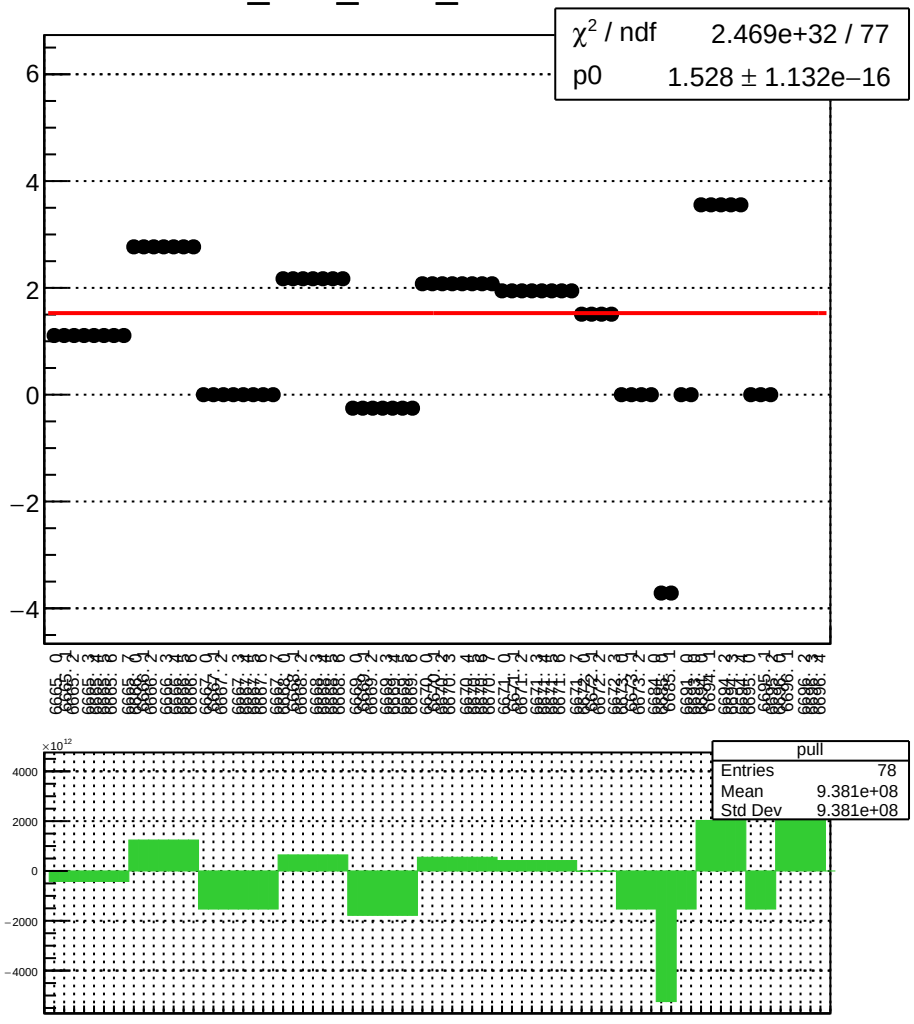


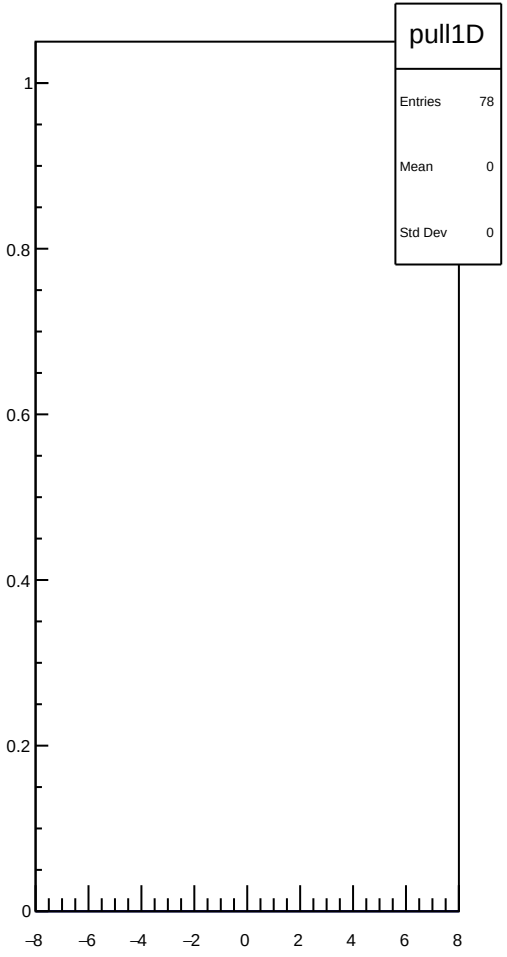
dit_11X12X_coil1_Ndata_mean vs run



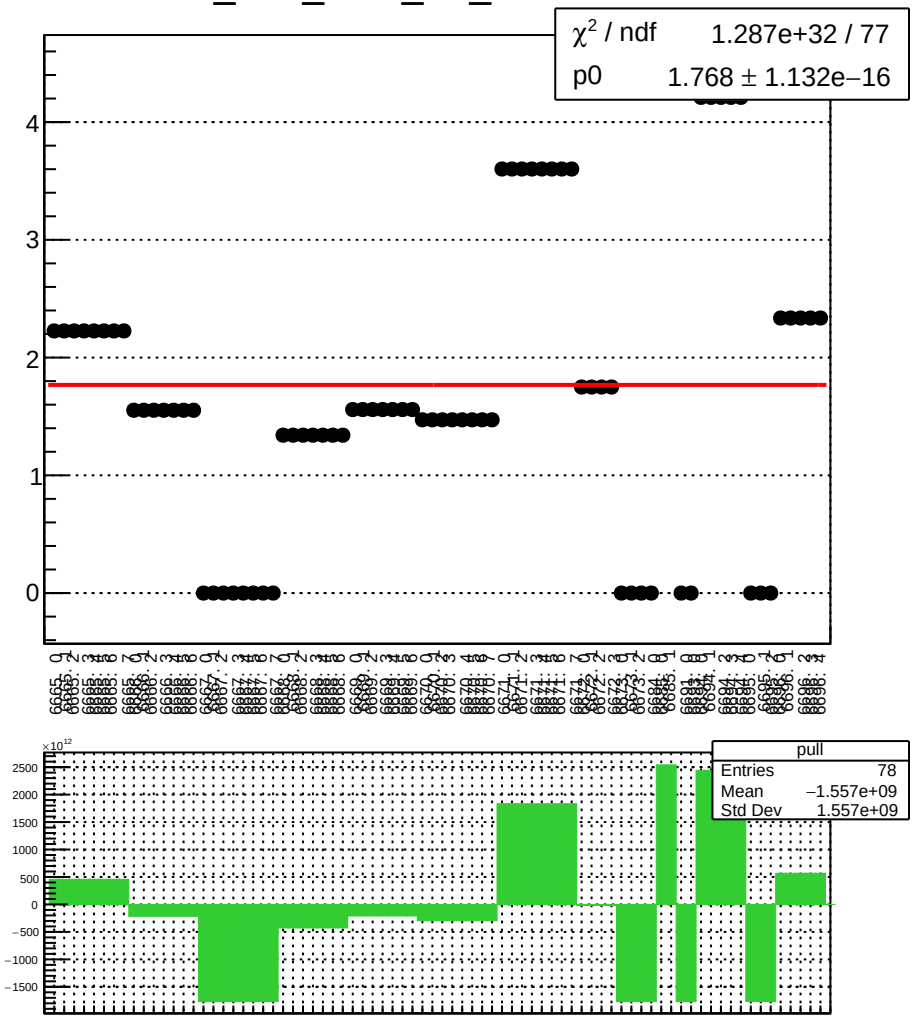


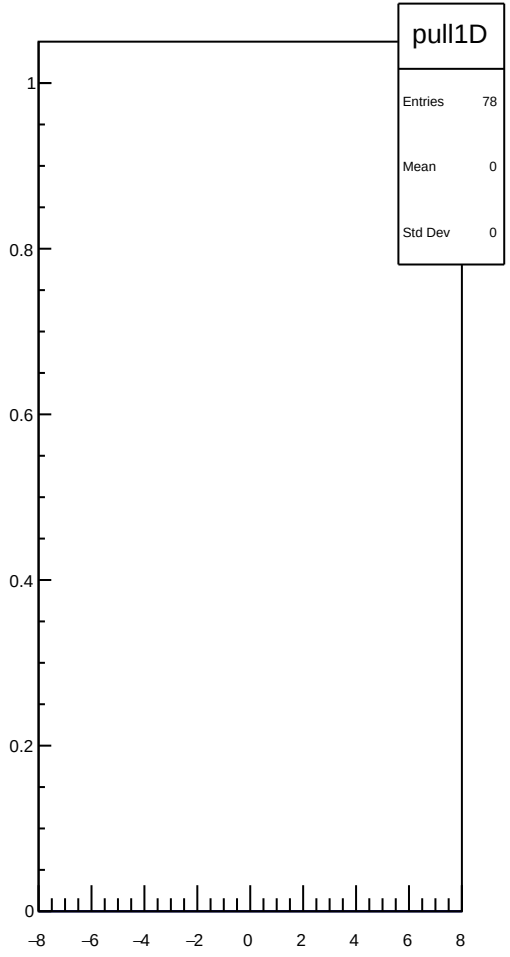
dit_4aY_coil1_mean vs run

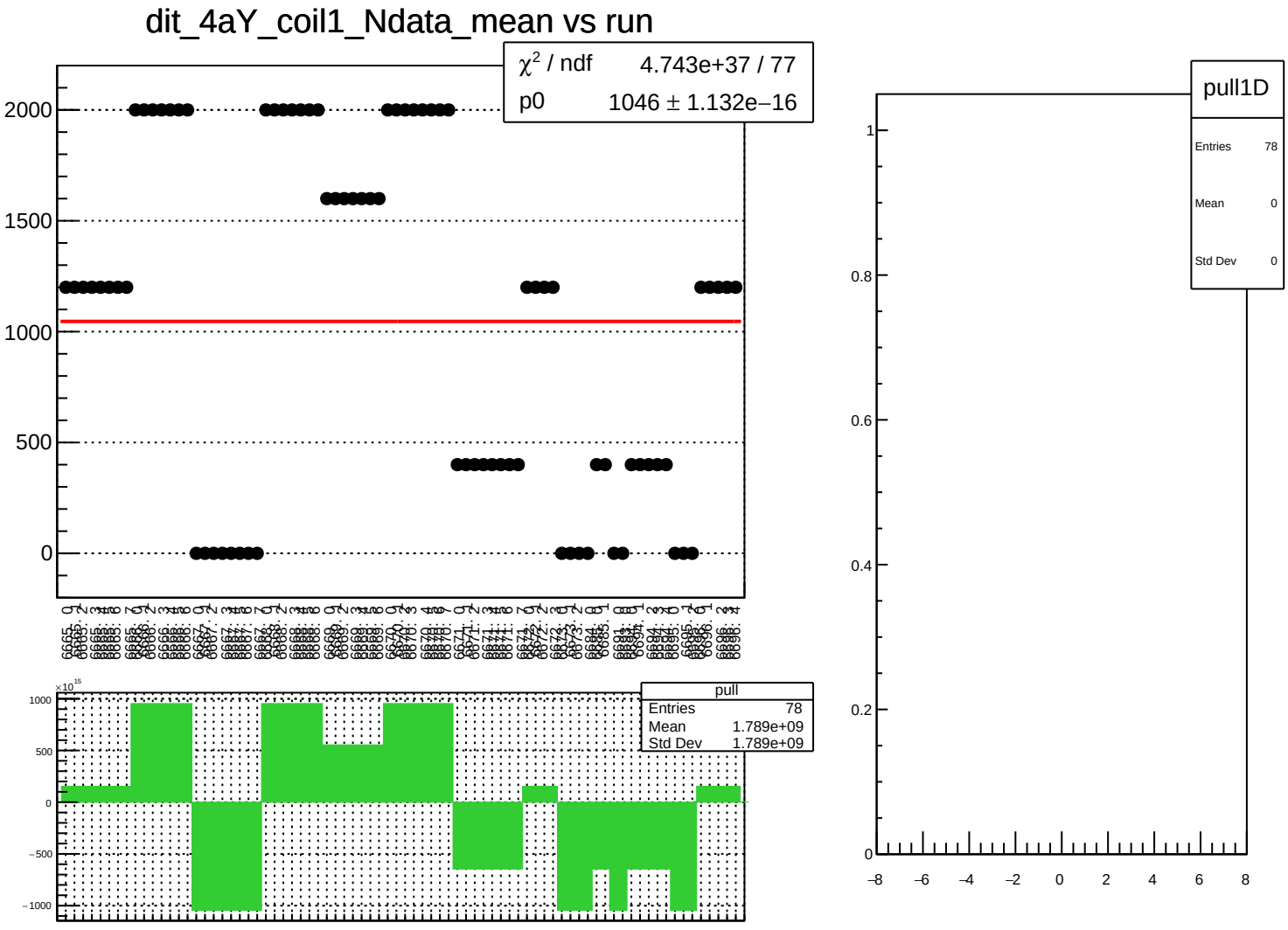




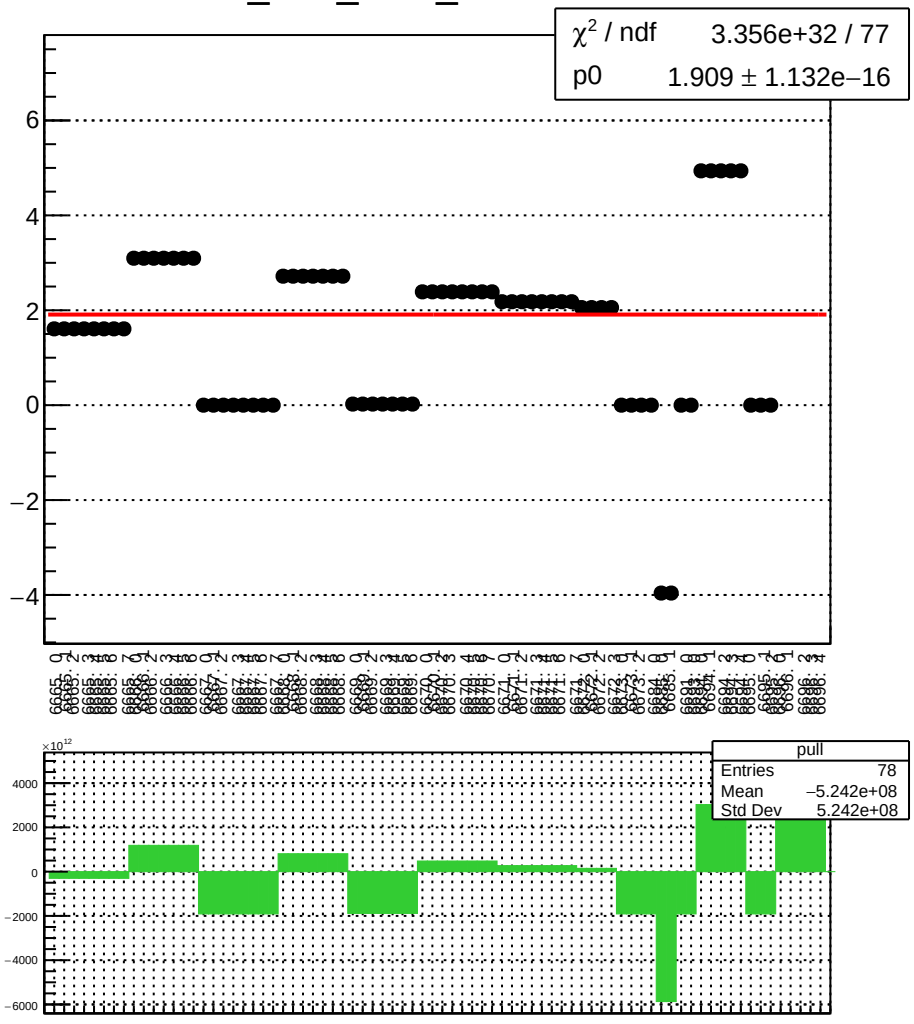
dit_4aY_coil1_err_mean vs run

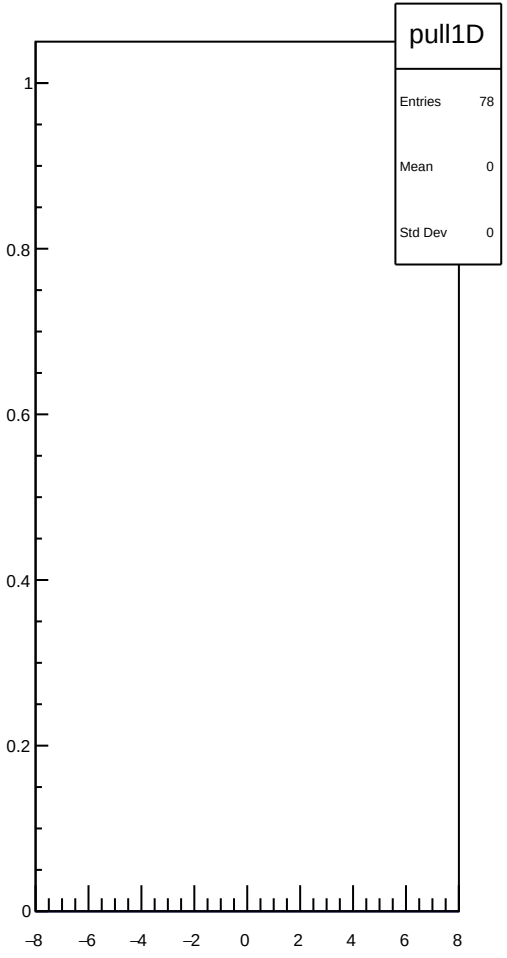




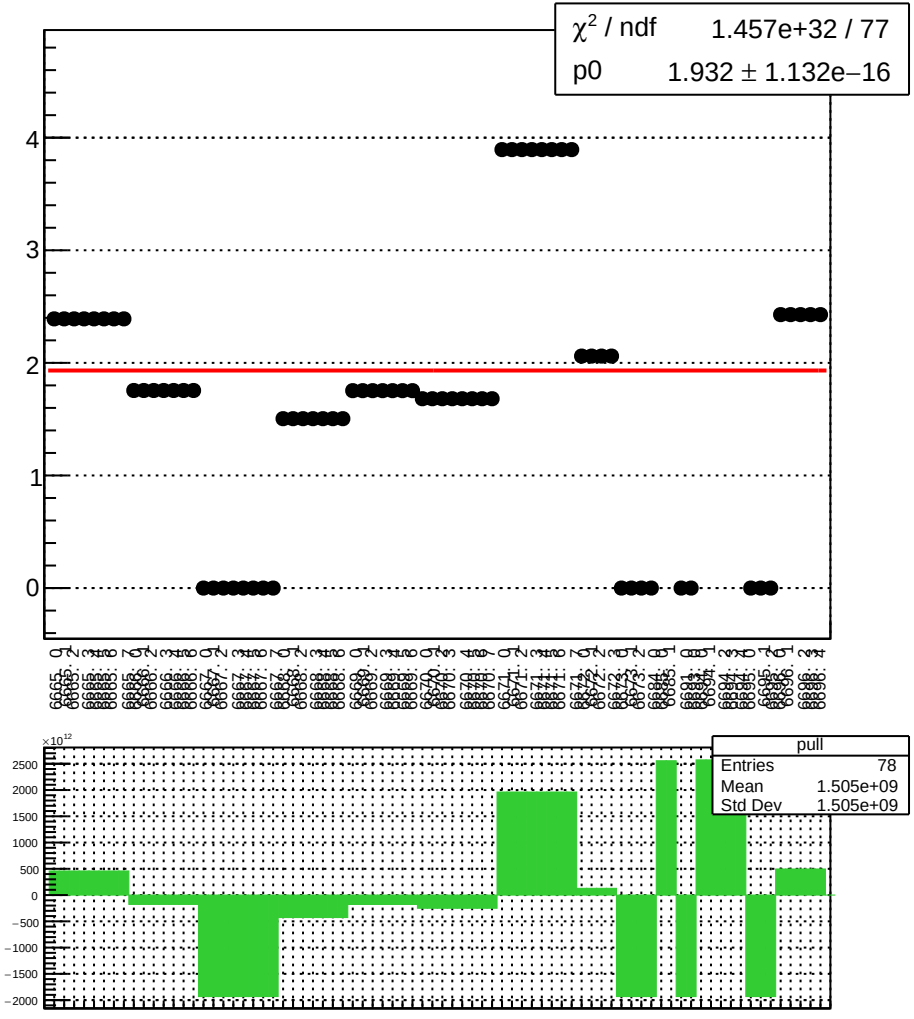

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

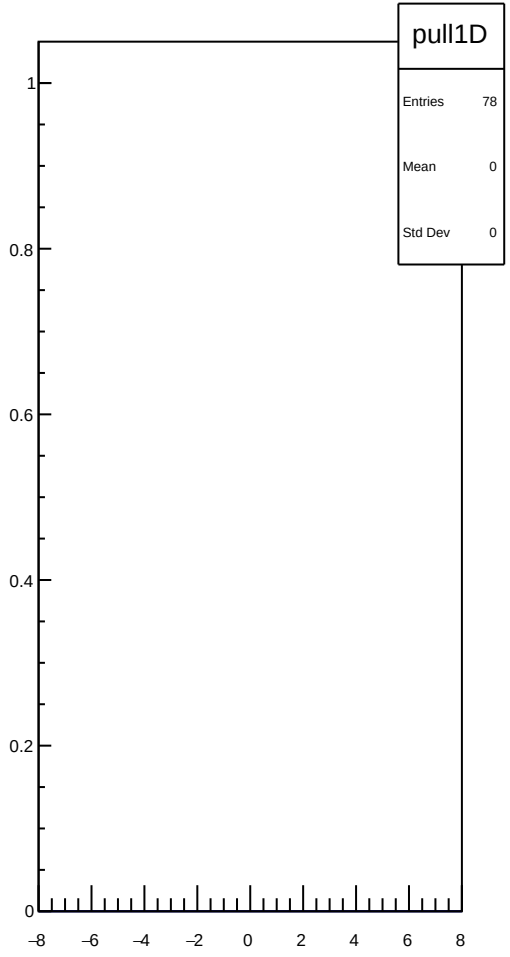
dit_4eY_coil1_mean vs run



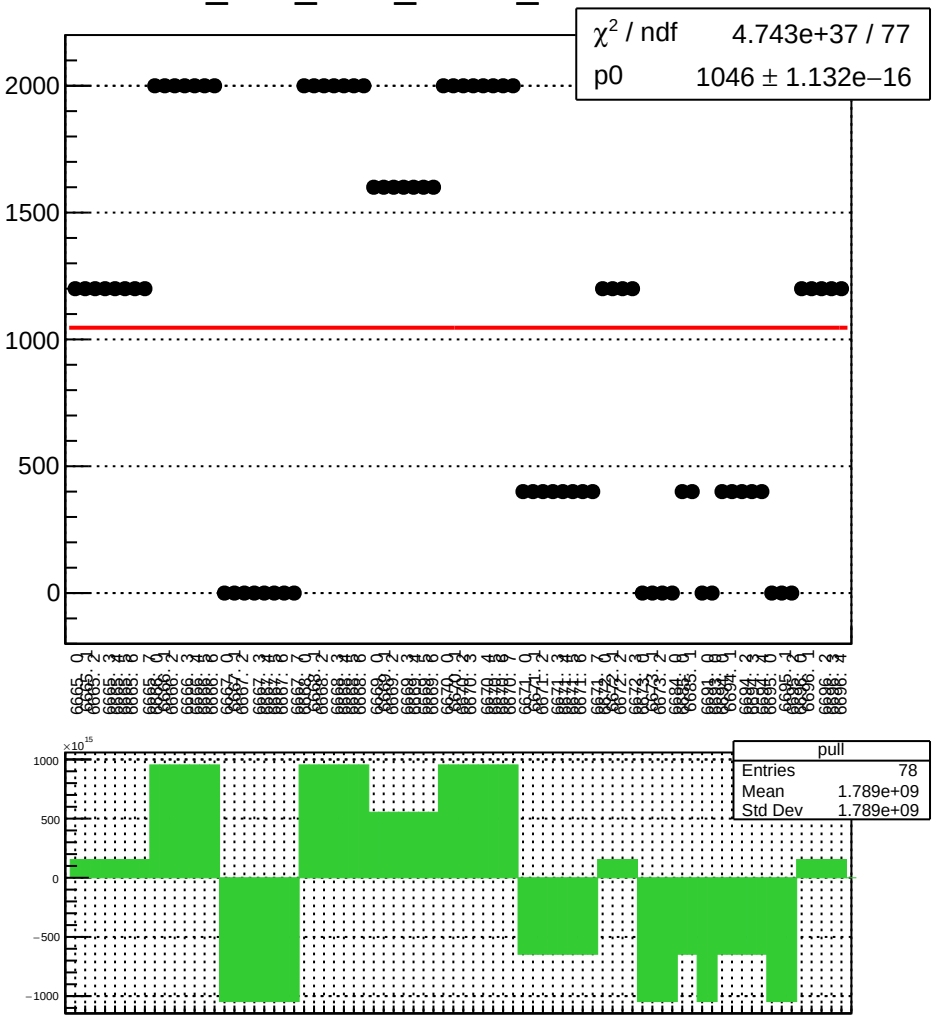


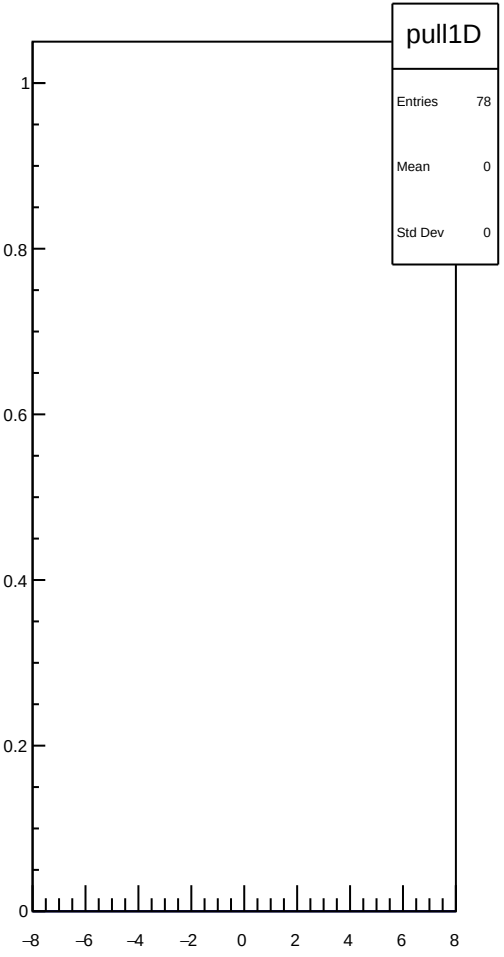
dit_4eY_coil1_err_mean vs run

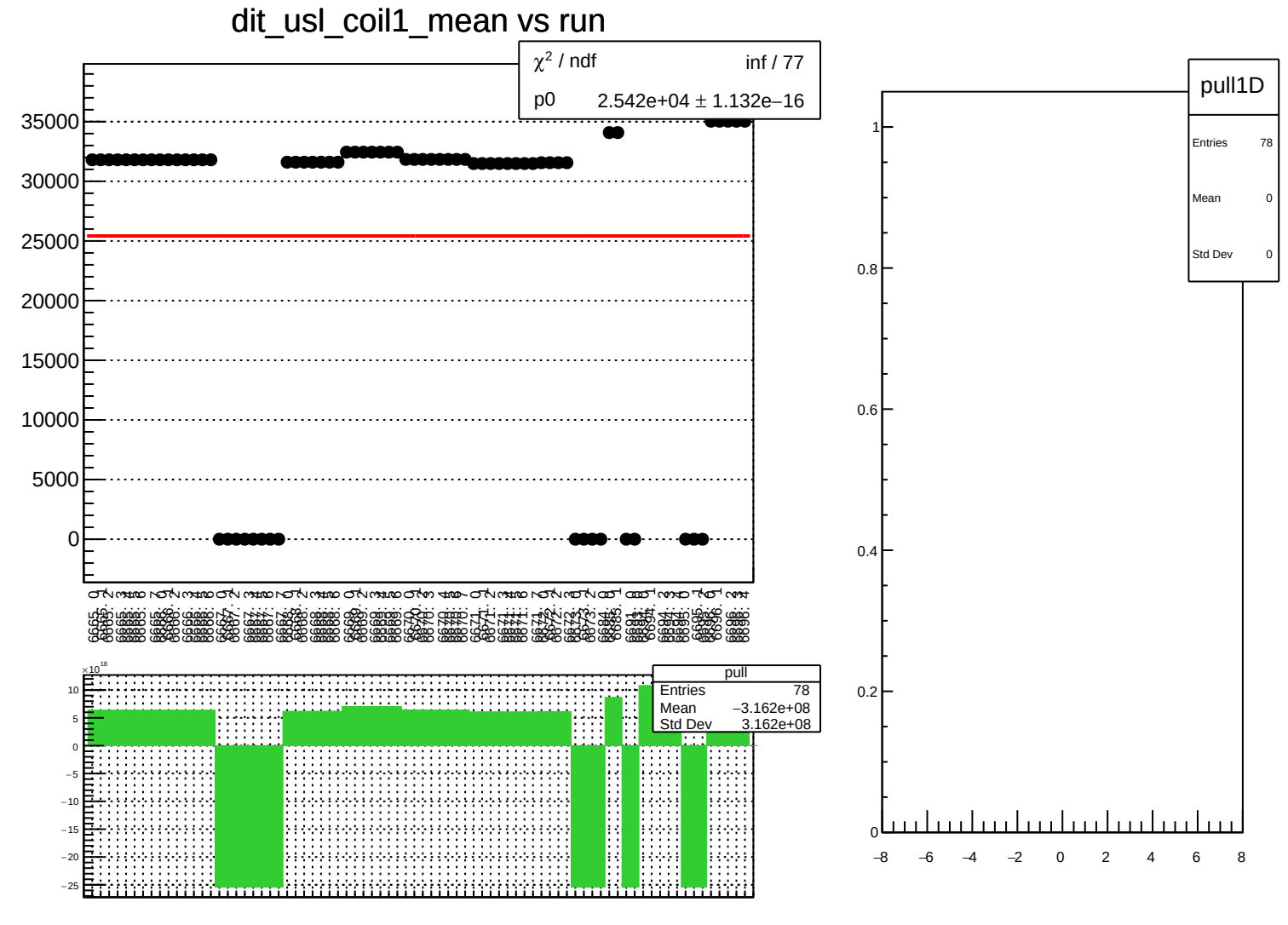


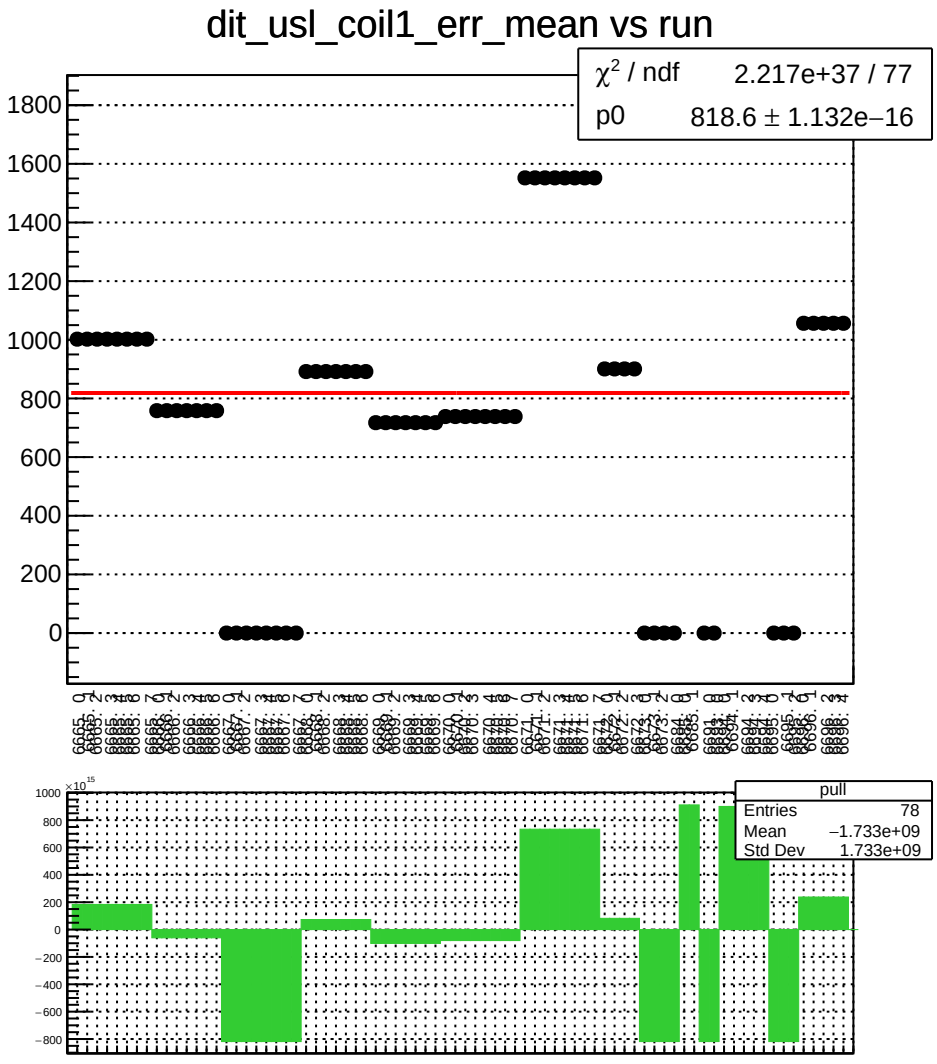


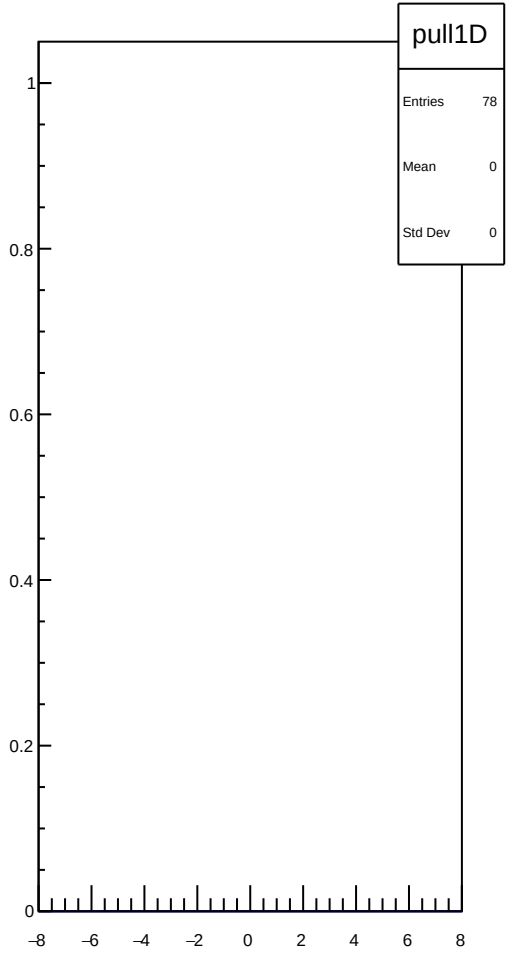
dit_4eY_coil1_Ndata_mean vs run

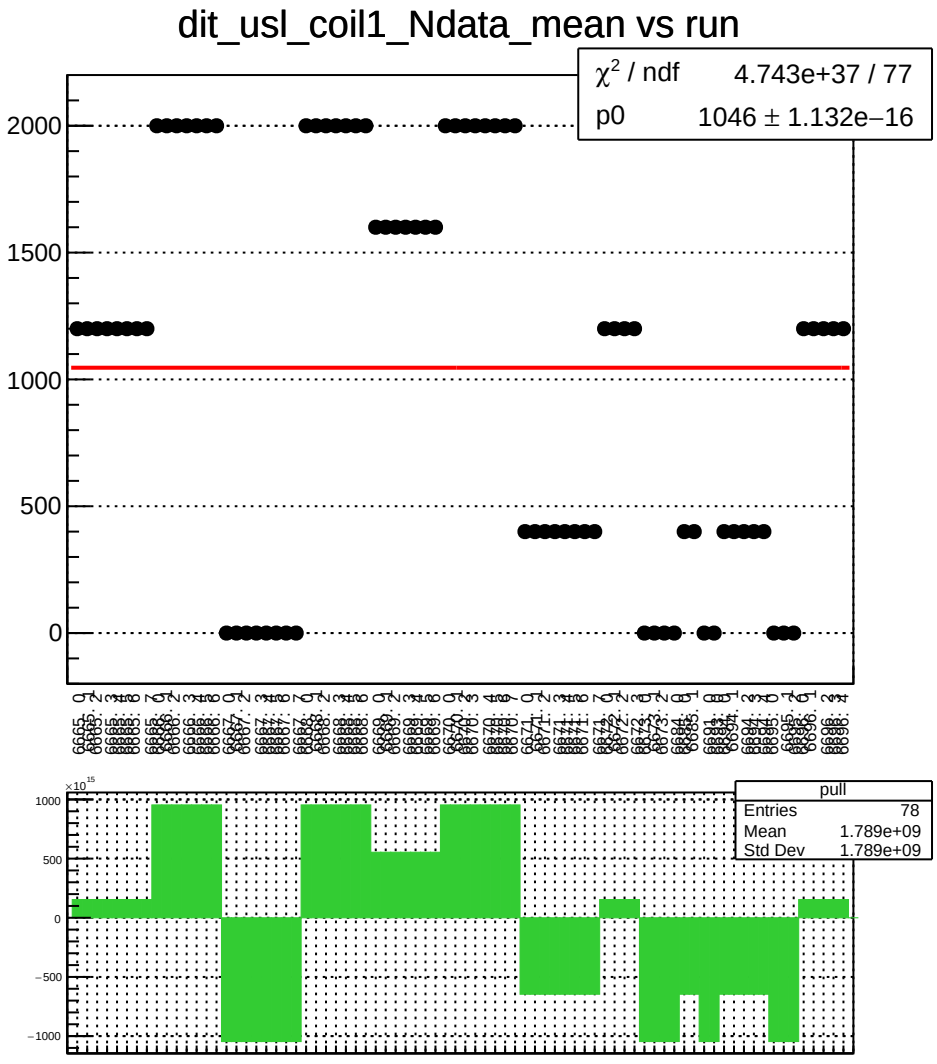


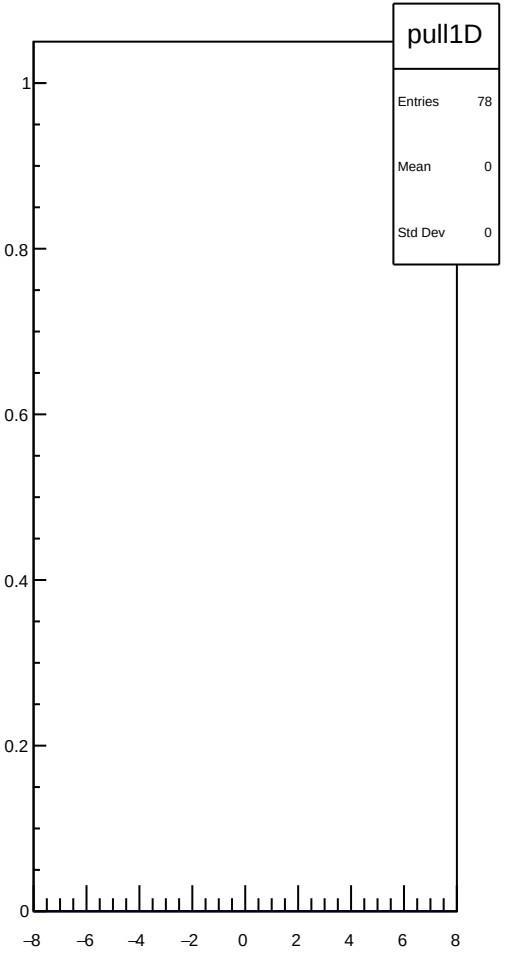


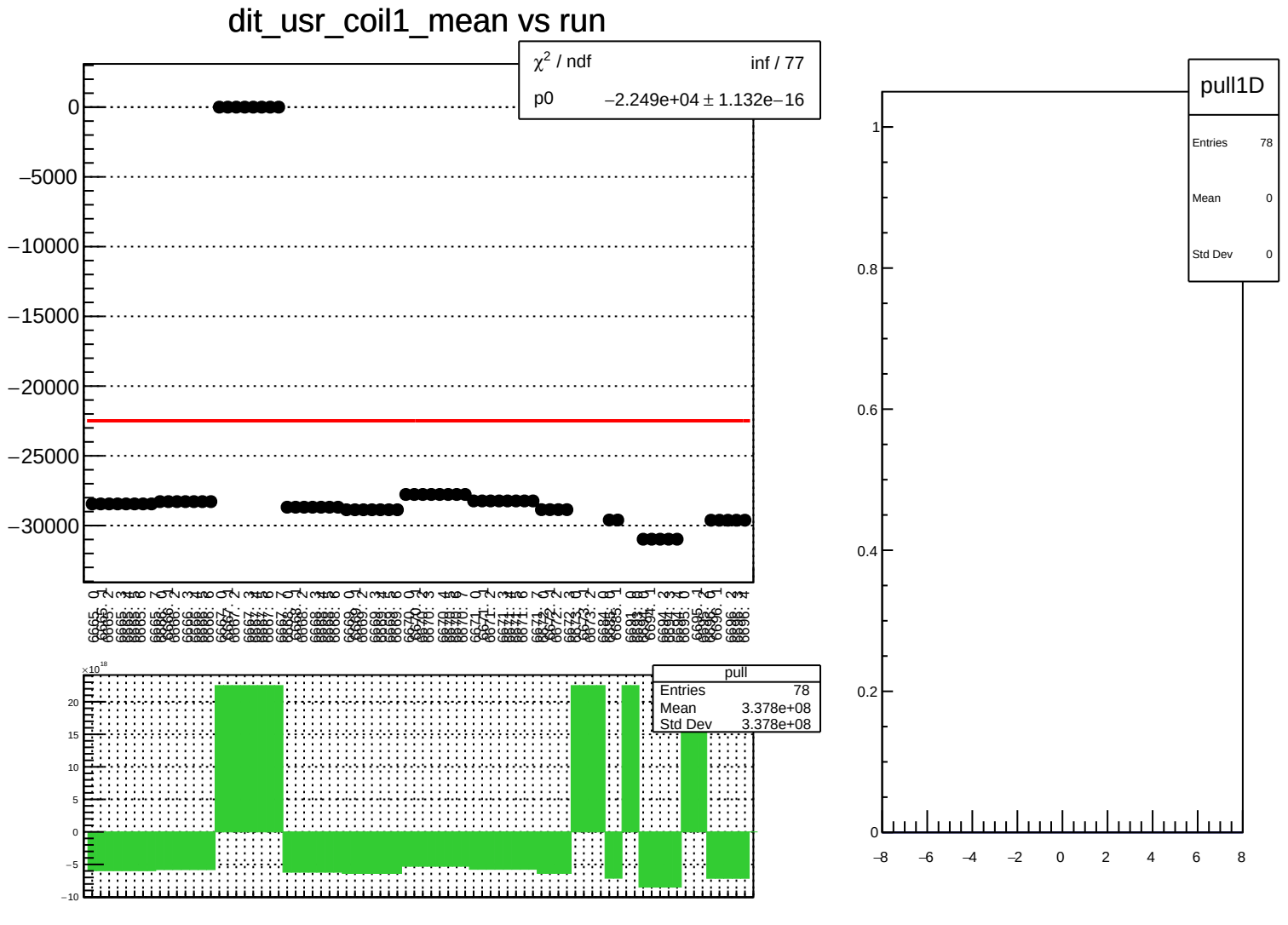

dit_usl_coil1_mean vs run
χ² / ndf inf / 77
p0 2.542e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −3.162e+08
Std Dev 3.162e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

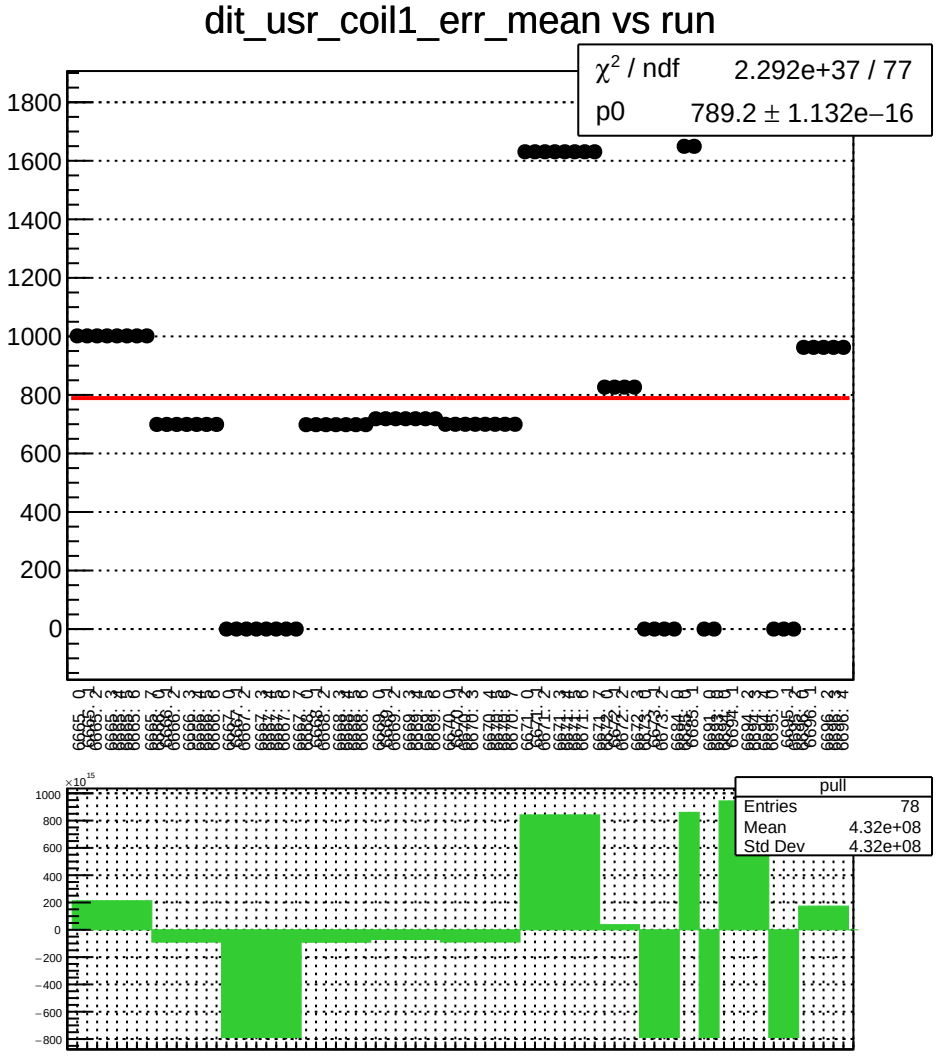

dit_usl_coil1_err_mean vs run
χ² / ndf 2.217e+37 / 77
p0 818.6 ± 1.132e−16
pull
Entries 78
Mean −1.733e+09
Std Dev 1.733e+09

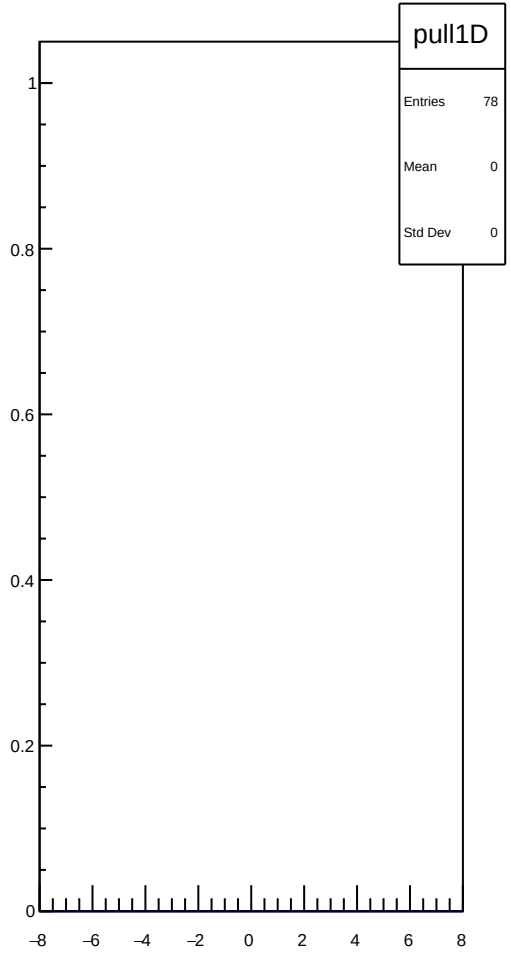

pull1D
Entries 78
Mean 0
Std Dev 0

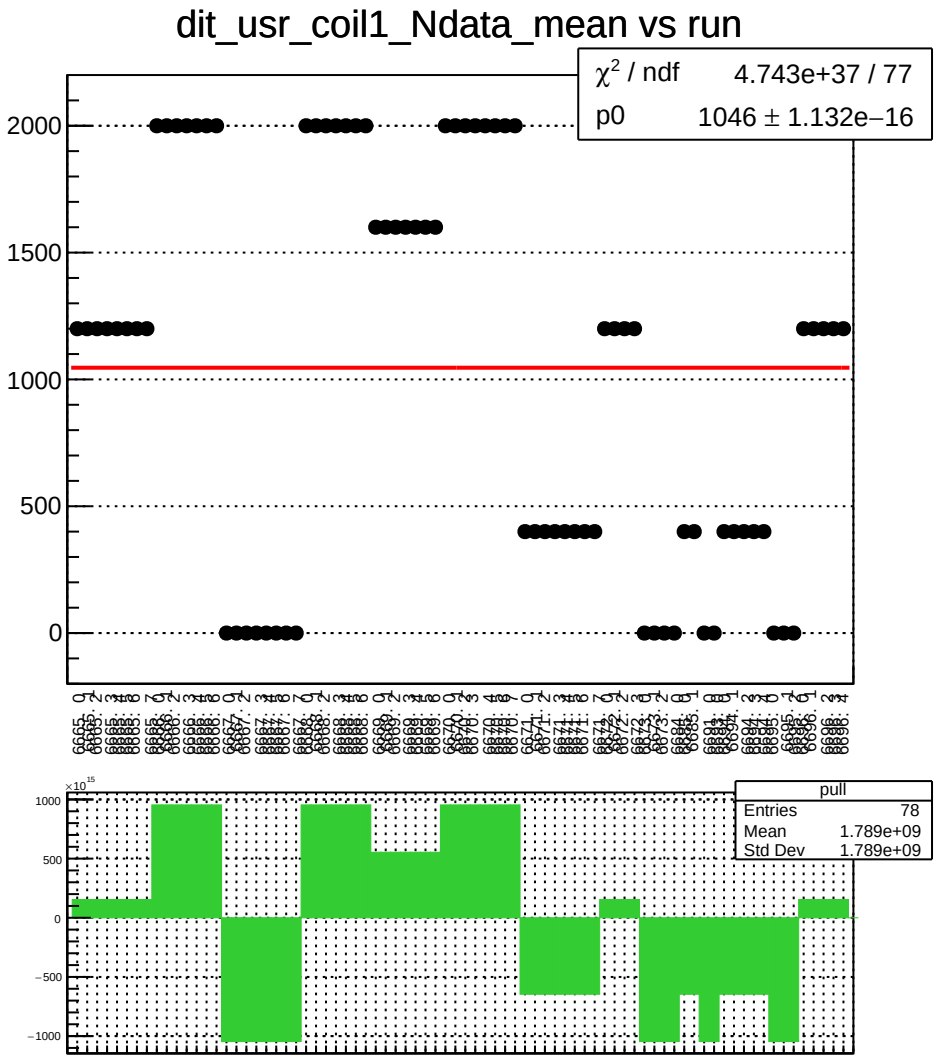

dit_usl_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

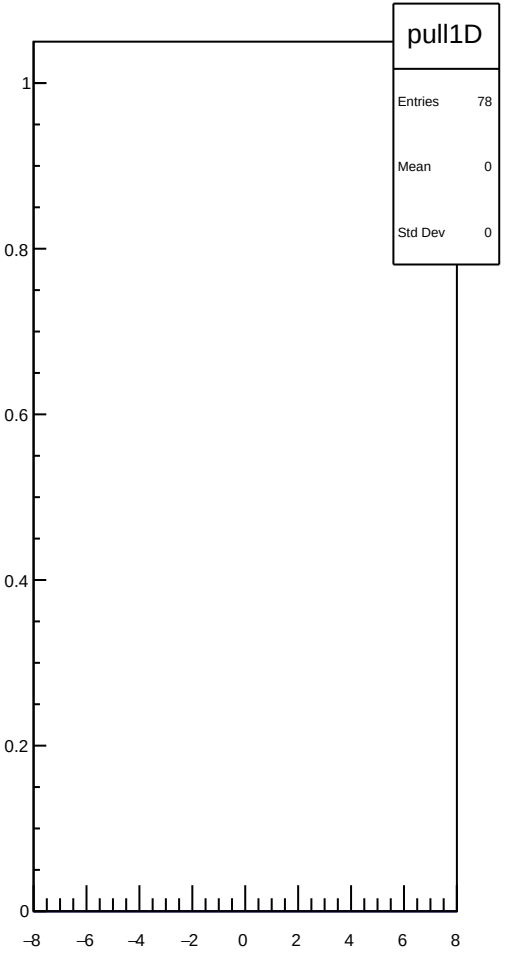

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

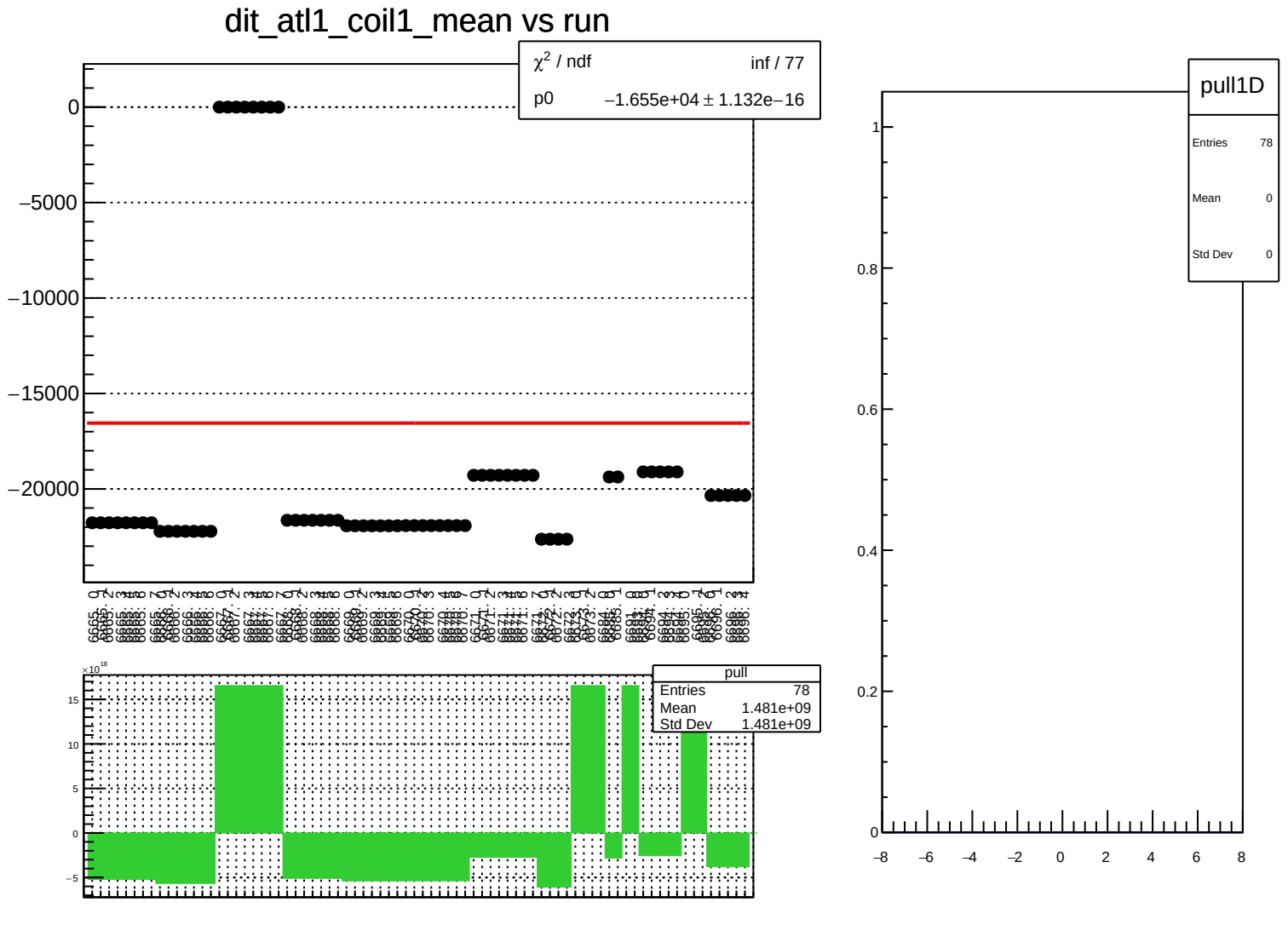

dit_usr_coil1_mean vs run
χ² / ndf inf / 77
p0 −2.249e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 78
Mean 3.378e+08
Std Dev 3.378e+08
×10¹⁸
20
15
10
5
0
−5
−10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

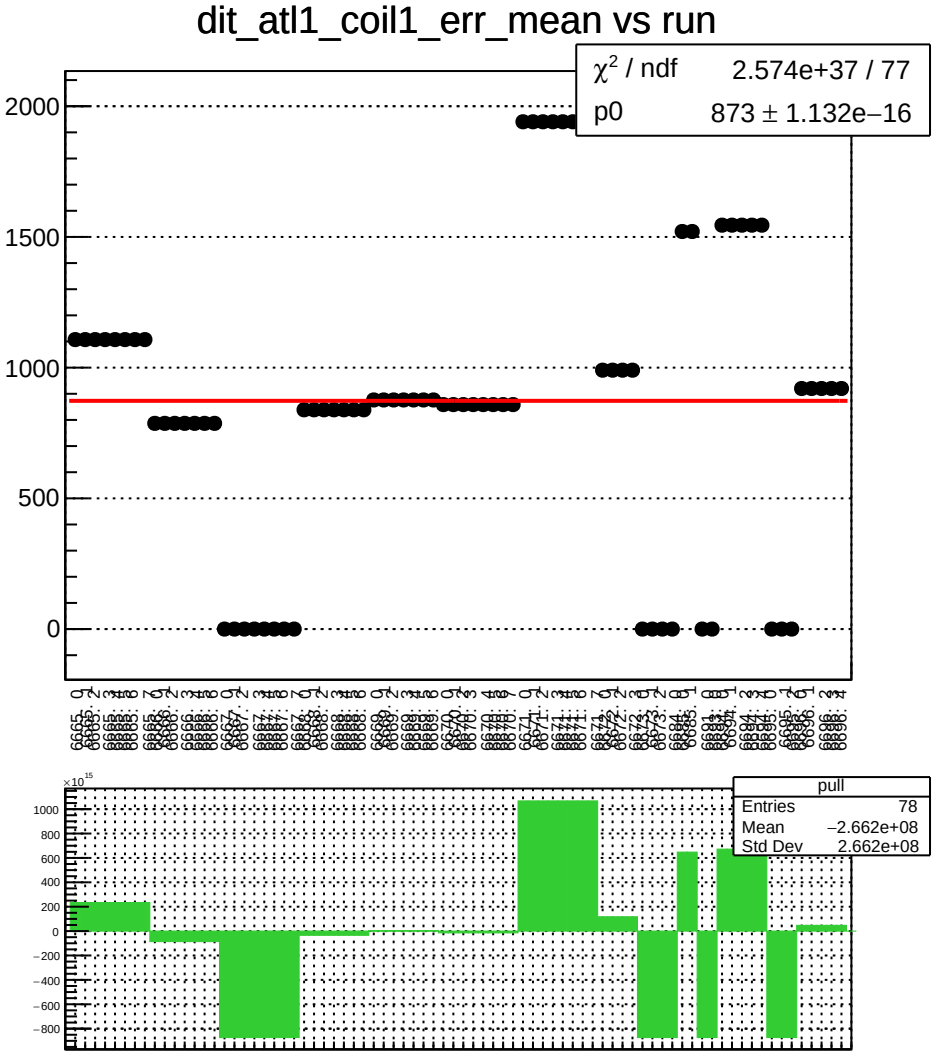

dit_usr_coil1_err_mean vs run
χ^2 / ndf 2.292e+37 / 77
p0 789.2 ± 1.132e−16
pull
Entries 78
Mean 4.32e+08
Std Dev 4.32e+08

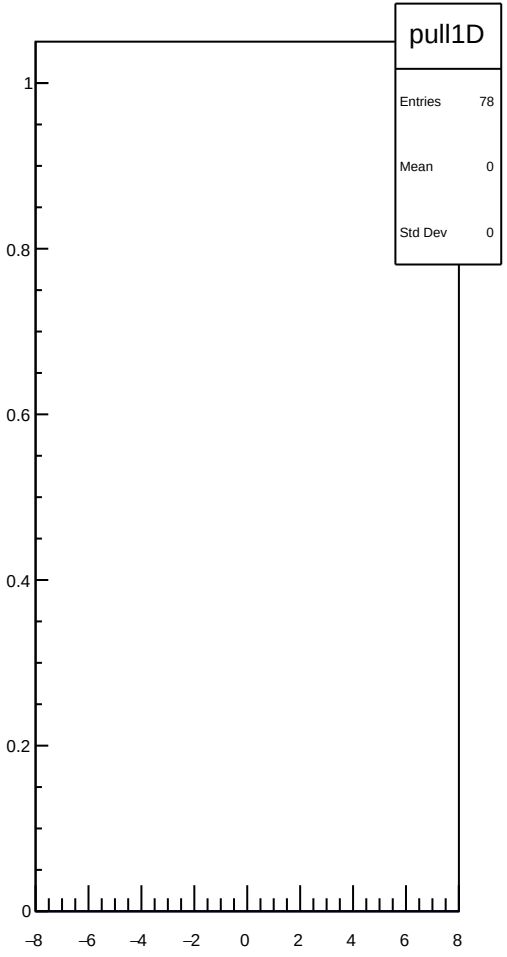

pull1D
Entries 78
Mean 0
Std Dev 0

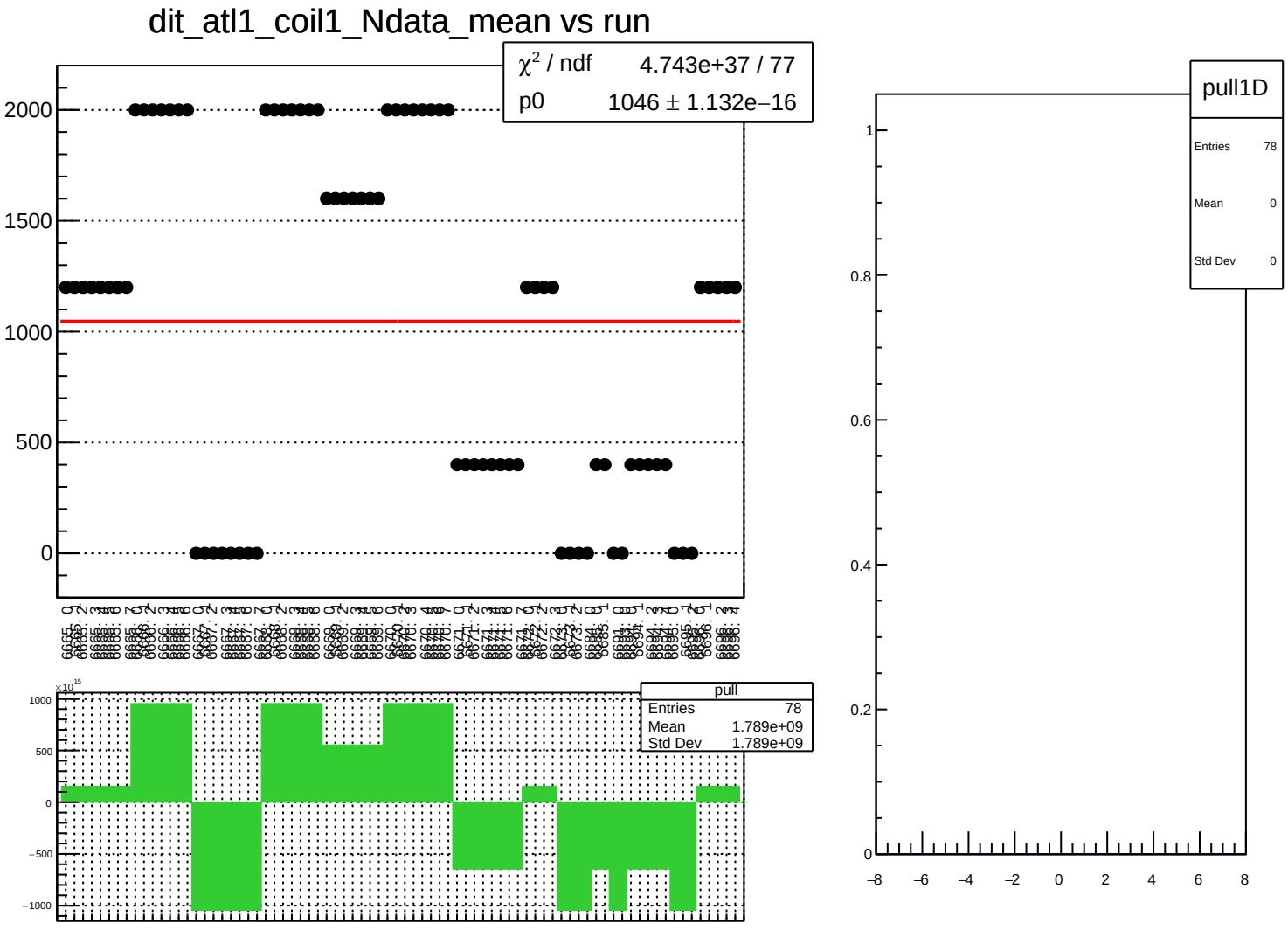

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

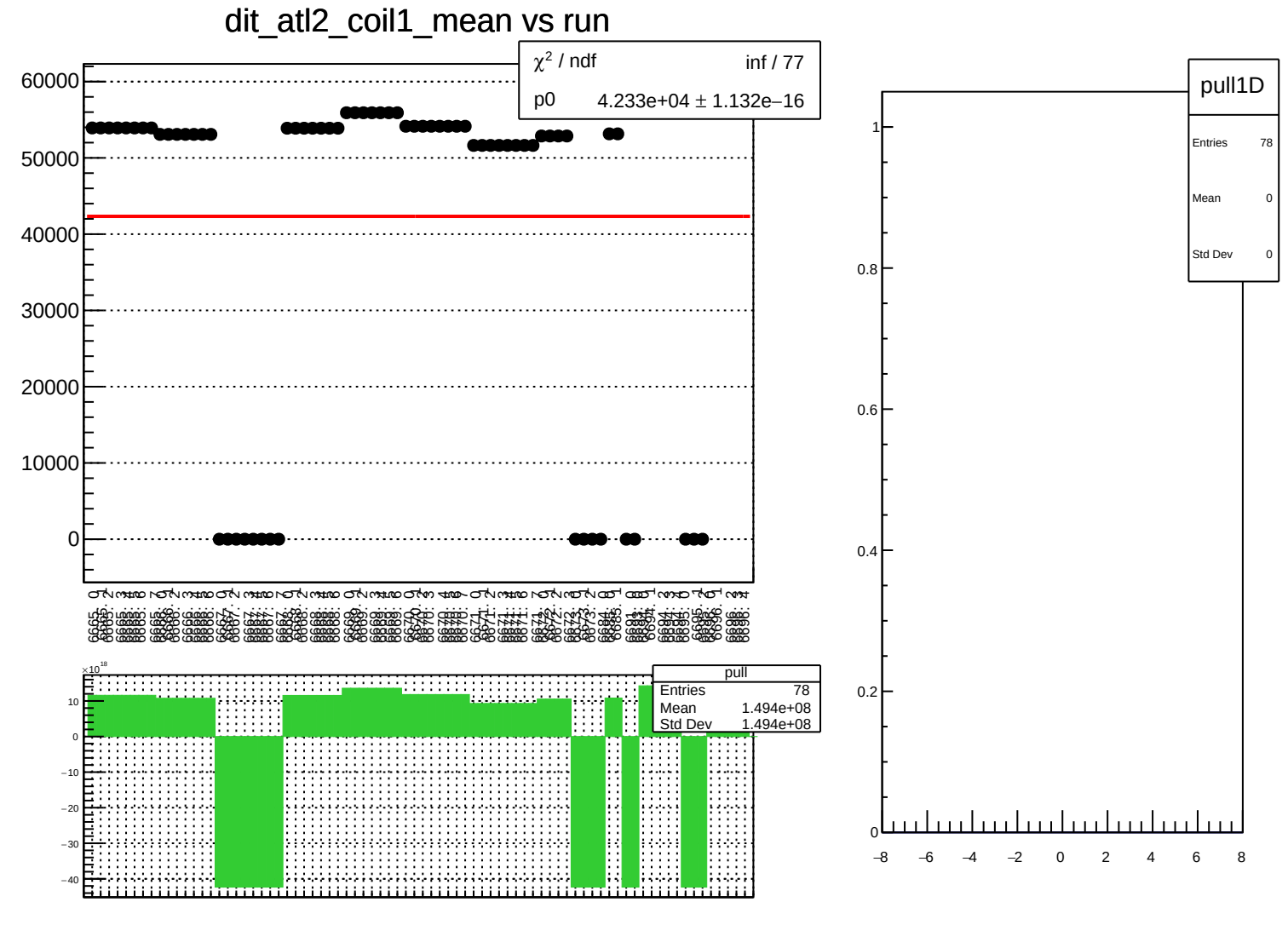

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

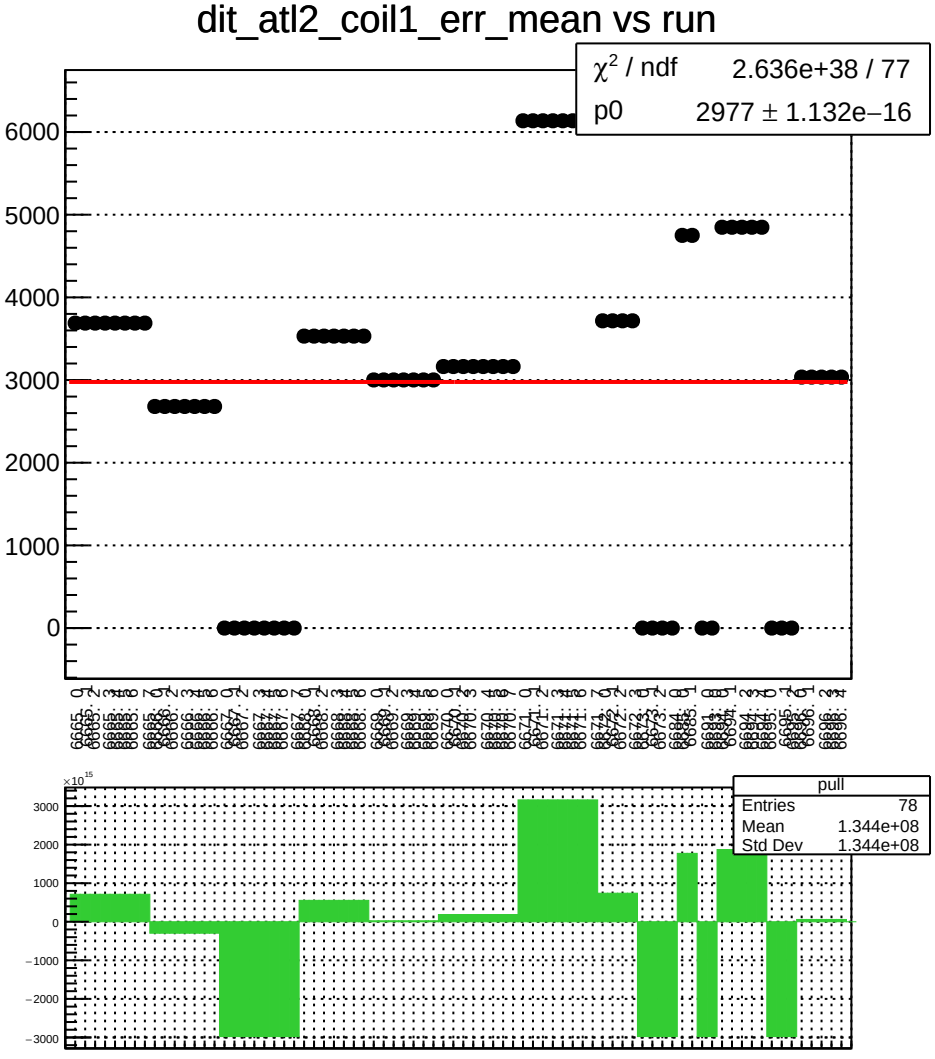

dit_atl1_coil1_mean vs run
χ² / ndf inf / 77
p0 −1.655e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean 1.481e+09
Std Dev 1.481e+09
×10¹⁸
15
10
5
0
−5
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

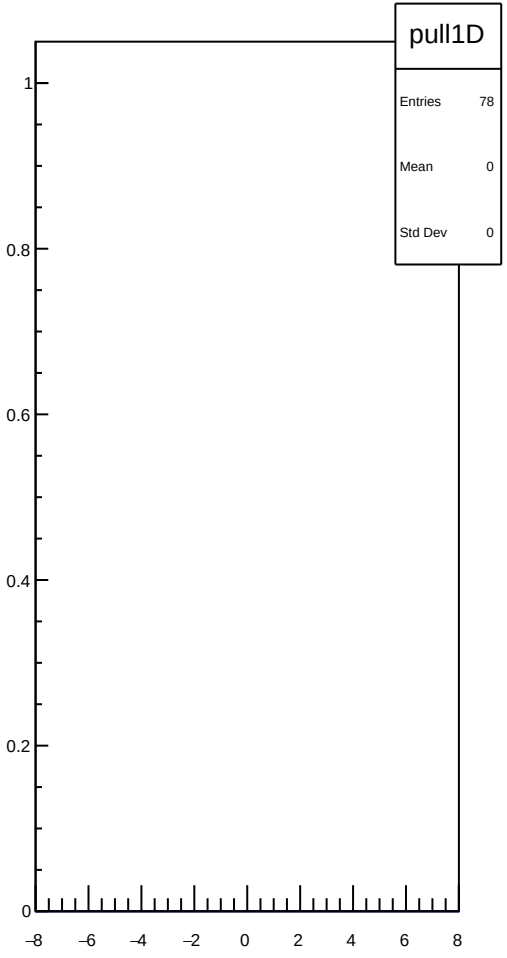

dit_atl1_coil1_err_mean vs run
χ² / ndf 2.574e+37 / 77
p0 873 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −2.662e+08
Std Dev 2.662e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

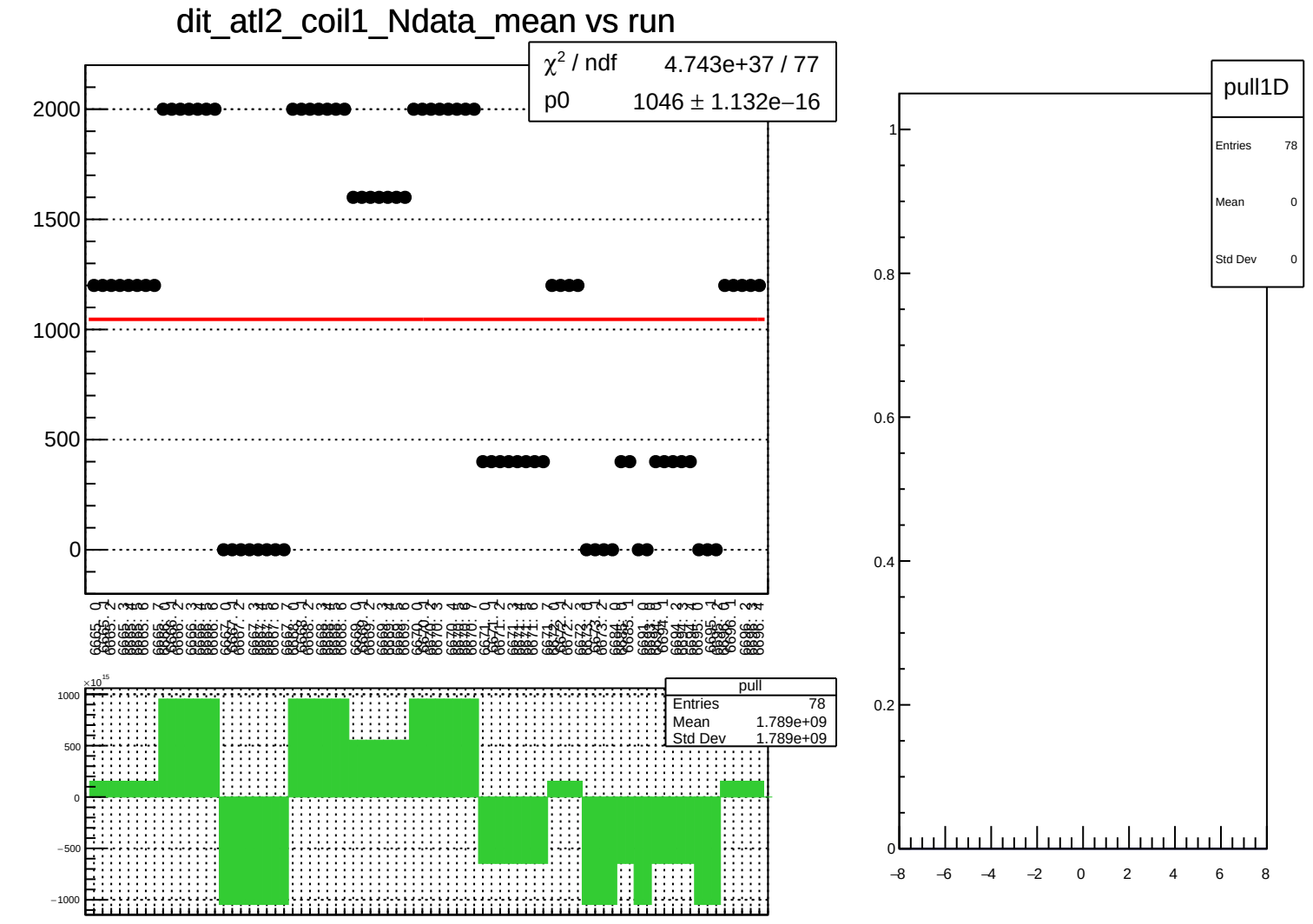

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

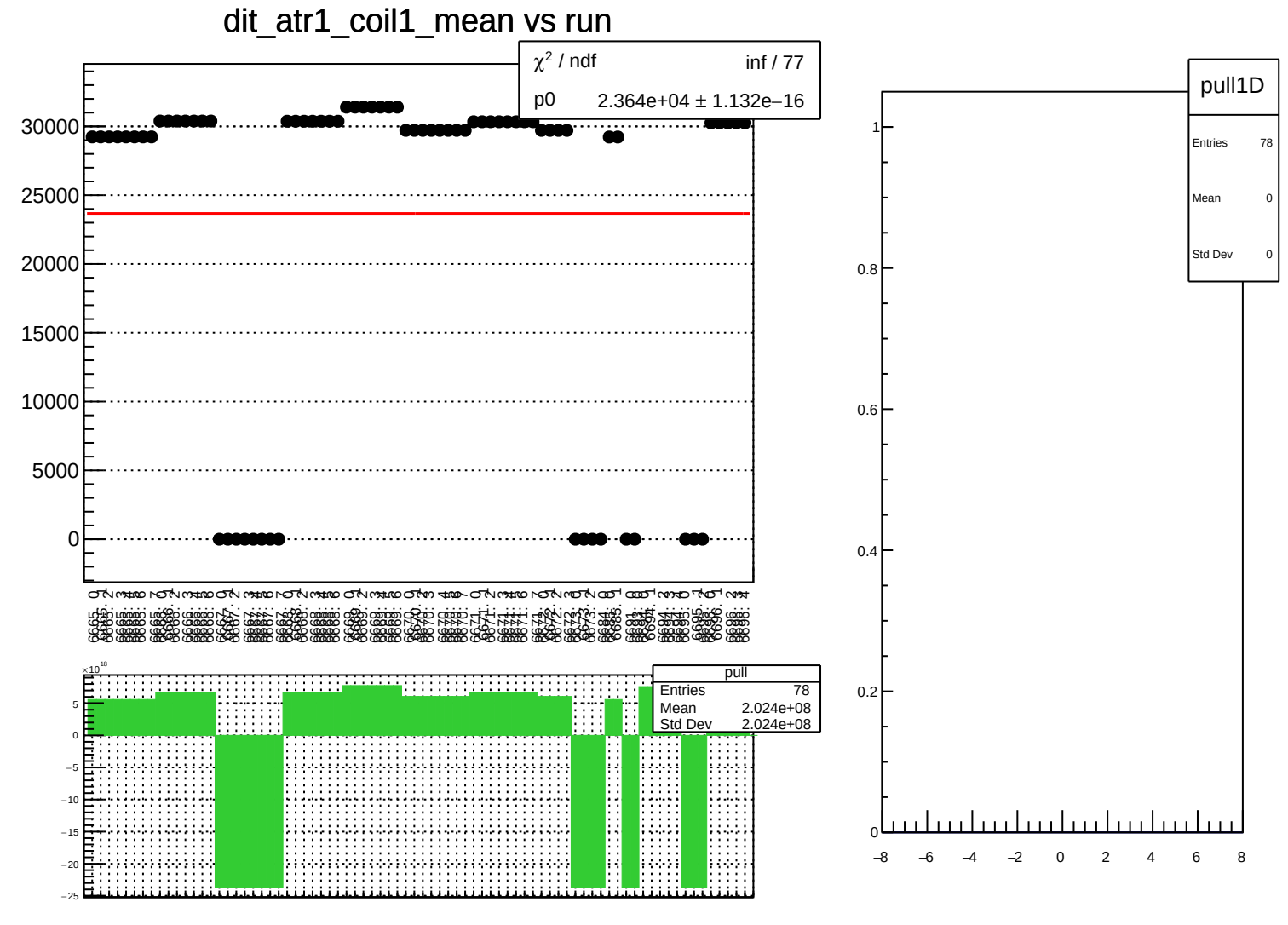

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

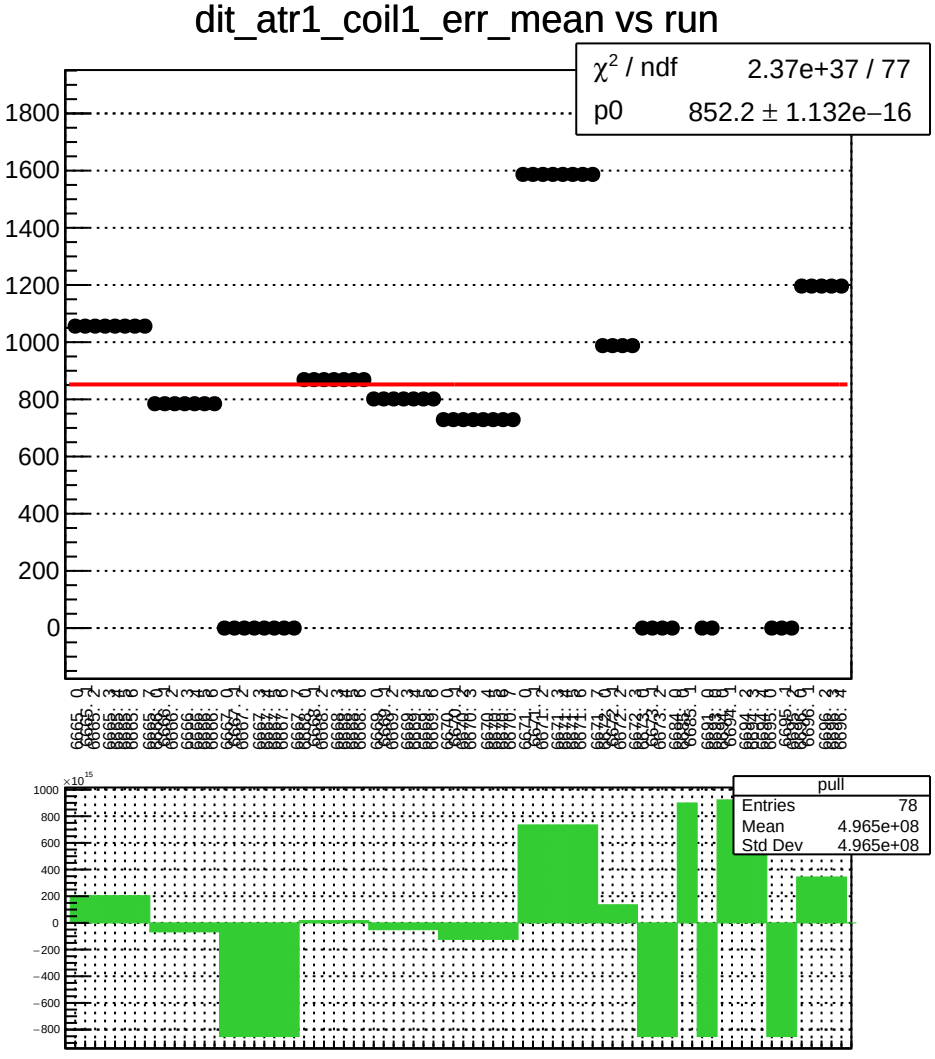

dit_atl2_coil1_mean vs run
χ² / ndf inf / 77
p0 4.233e+04 ± 1.132e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 1.494e+08
Std Dev 1.494e+08
×10¹⁸
10
0
−10
−20
−30
−40
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

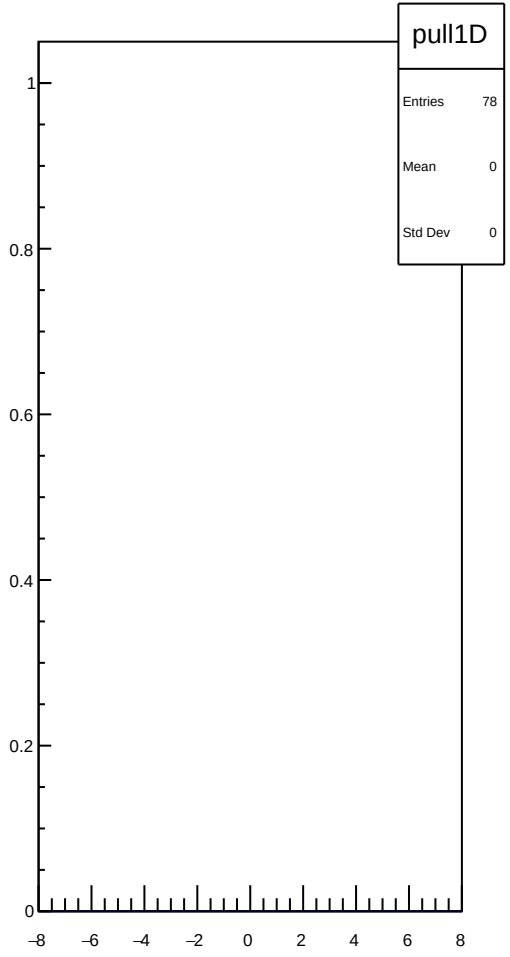

dit_atl2_coil1_err_mean vs run
χ² / ndf 2.636e+38 / 77
p0 2977 ± 1.132e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 1.344e+08
Std Dev 1.344e+08
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000

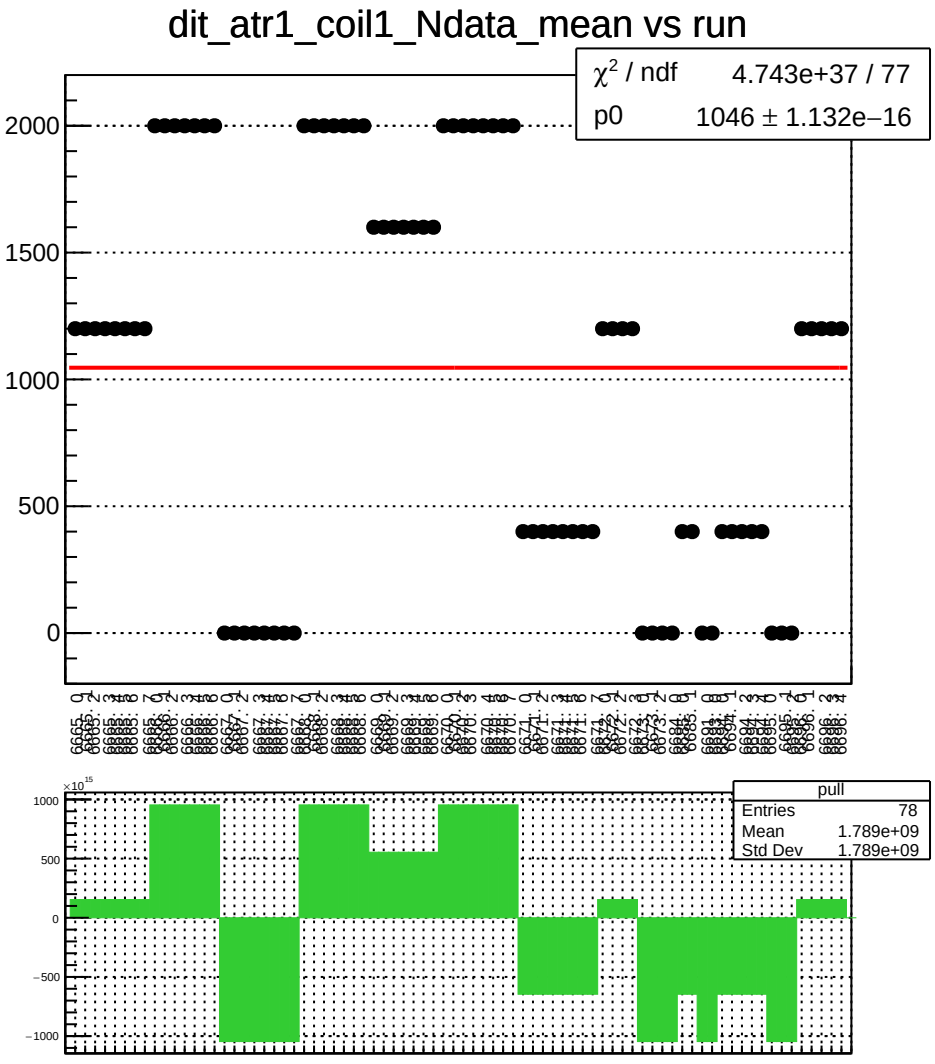

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

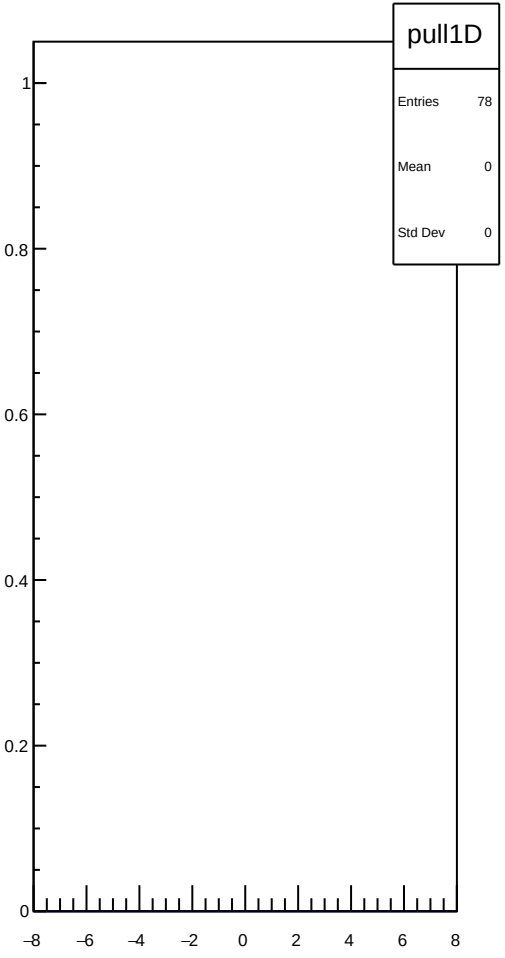

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

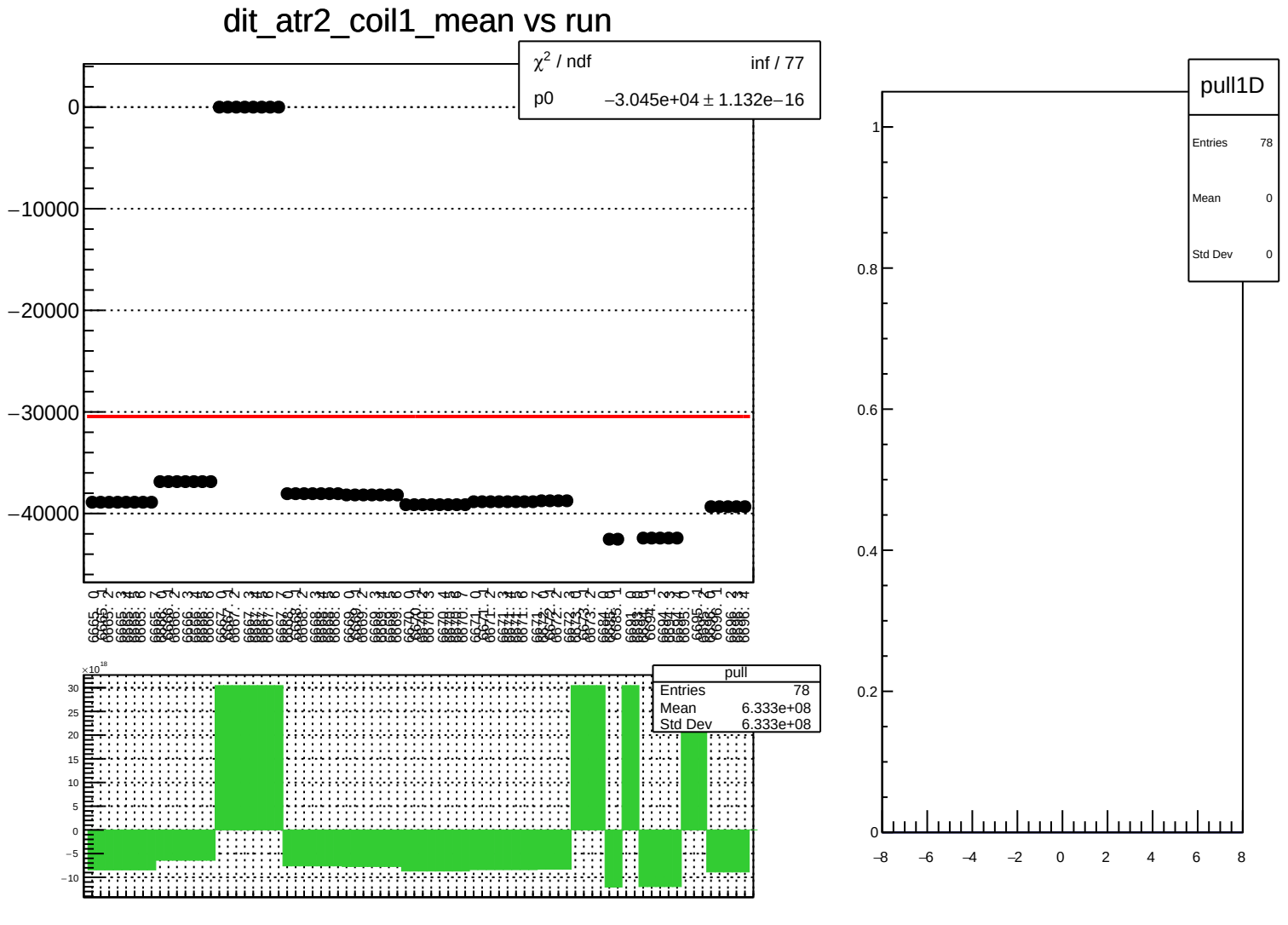

dit_atr1_coil1_mean vs run
χ² / ndf inf / 77
p0 2.364e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.024e+08
Std Dev 2.024e+08
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

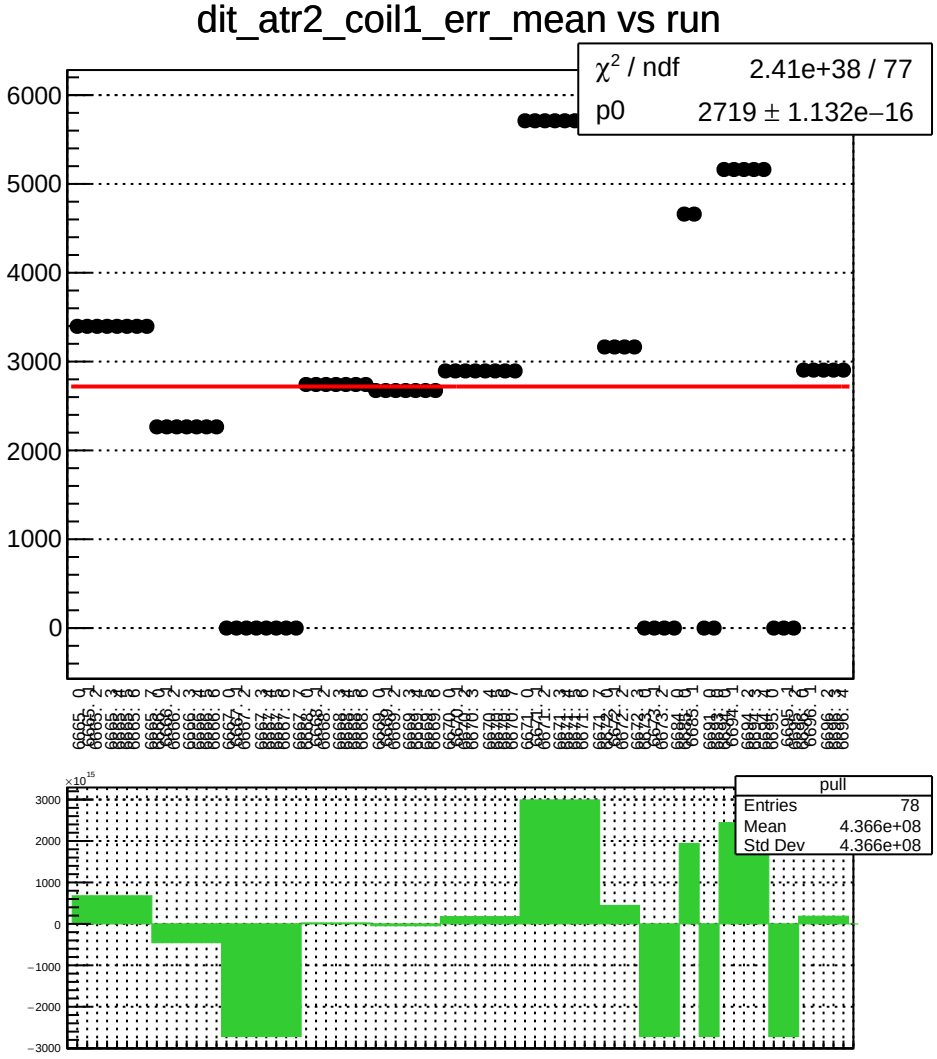

dit_atr1_coil1_err_mean vs run
χ^2 / ndf 2.37e+37 / 77
p0 852.2 ± 1.132e−16
pull
Entries 78
Mean 4.965e+08
Std Dev 4.965e+08

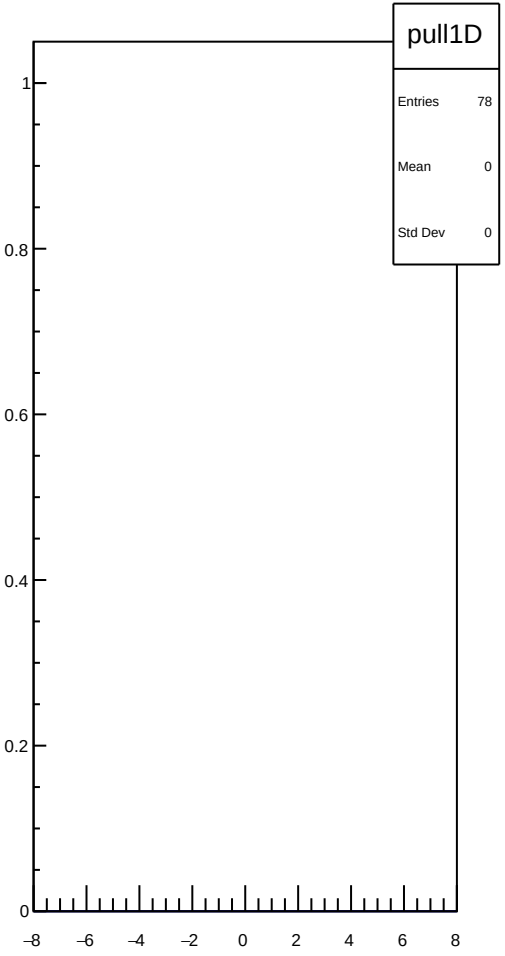

pull1D
Entries 78
Mean 0
Std Dev 0

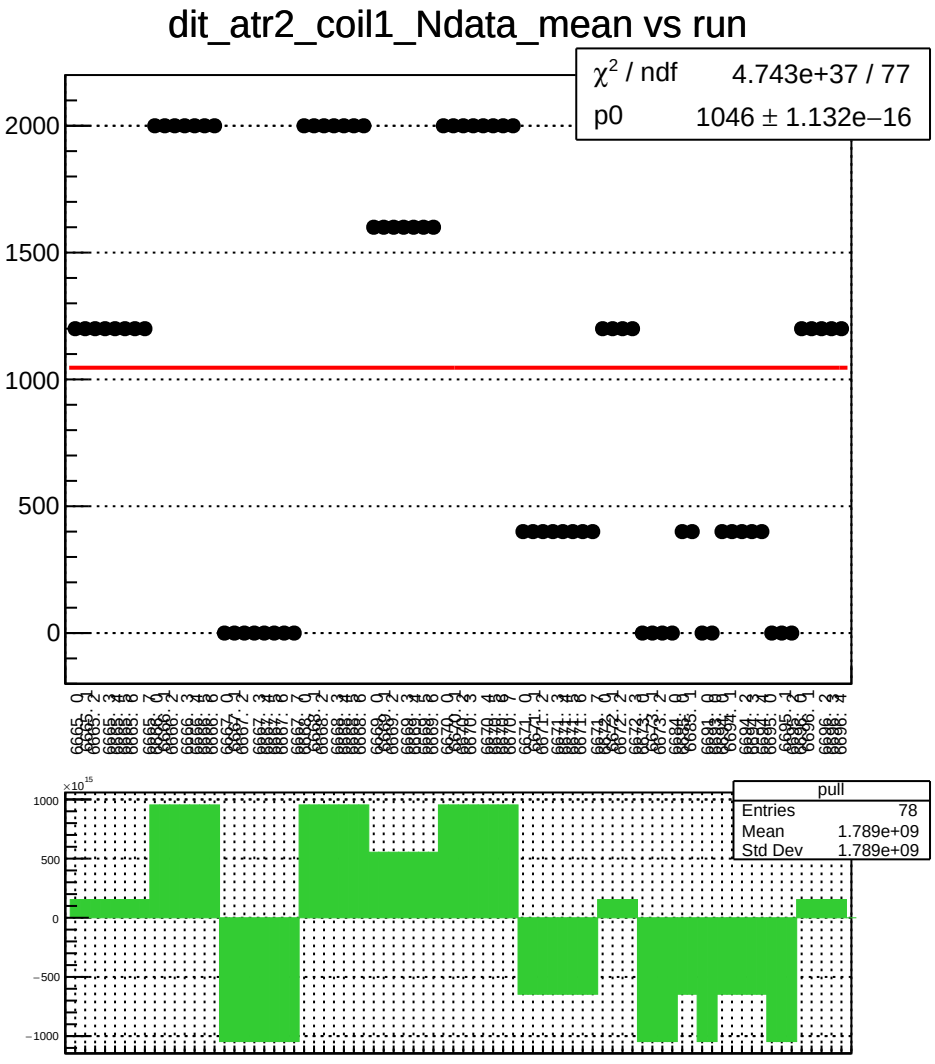

dit_atr1_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

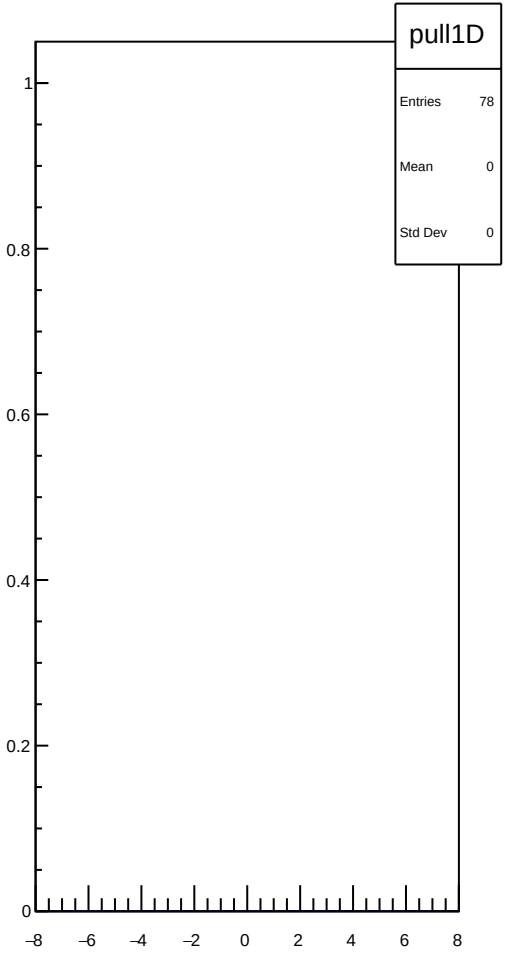

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

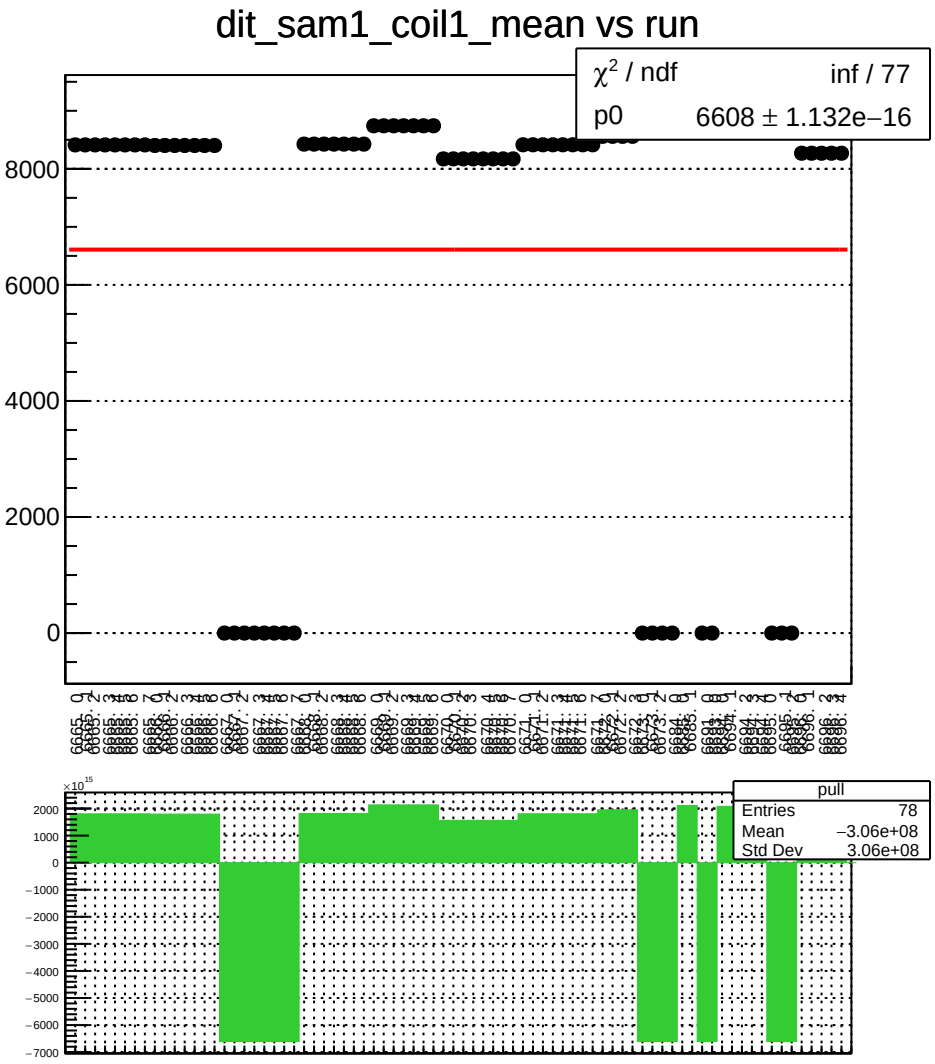

dit_atr2_coil1_mean vs run
χ² / ndf inf / 77
p0 −3.045e+04 ± 1.132e−16
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean 6.333e+08
Std Dev 6.333e+08
×10¹⁸
30
25
20
15
10
5
0
−5
−10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

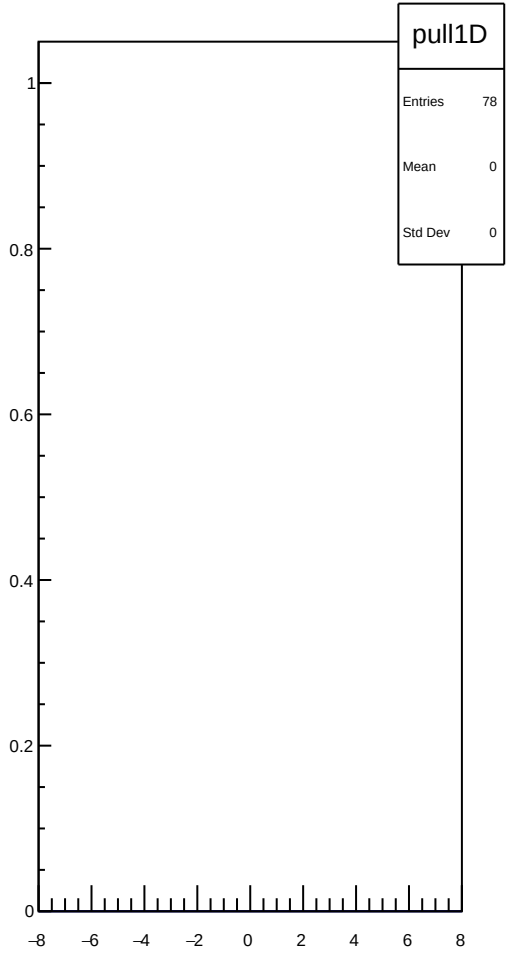

dit_atr2_coil1_err_mean vs run
χ² / ndf 2.41e+38 / 77
p0 2719 ± 1.132e−16
pull
Entries 78
Mean 4.366e+08
Std Dev 4.366e+08

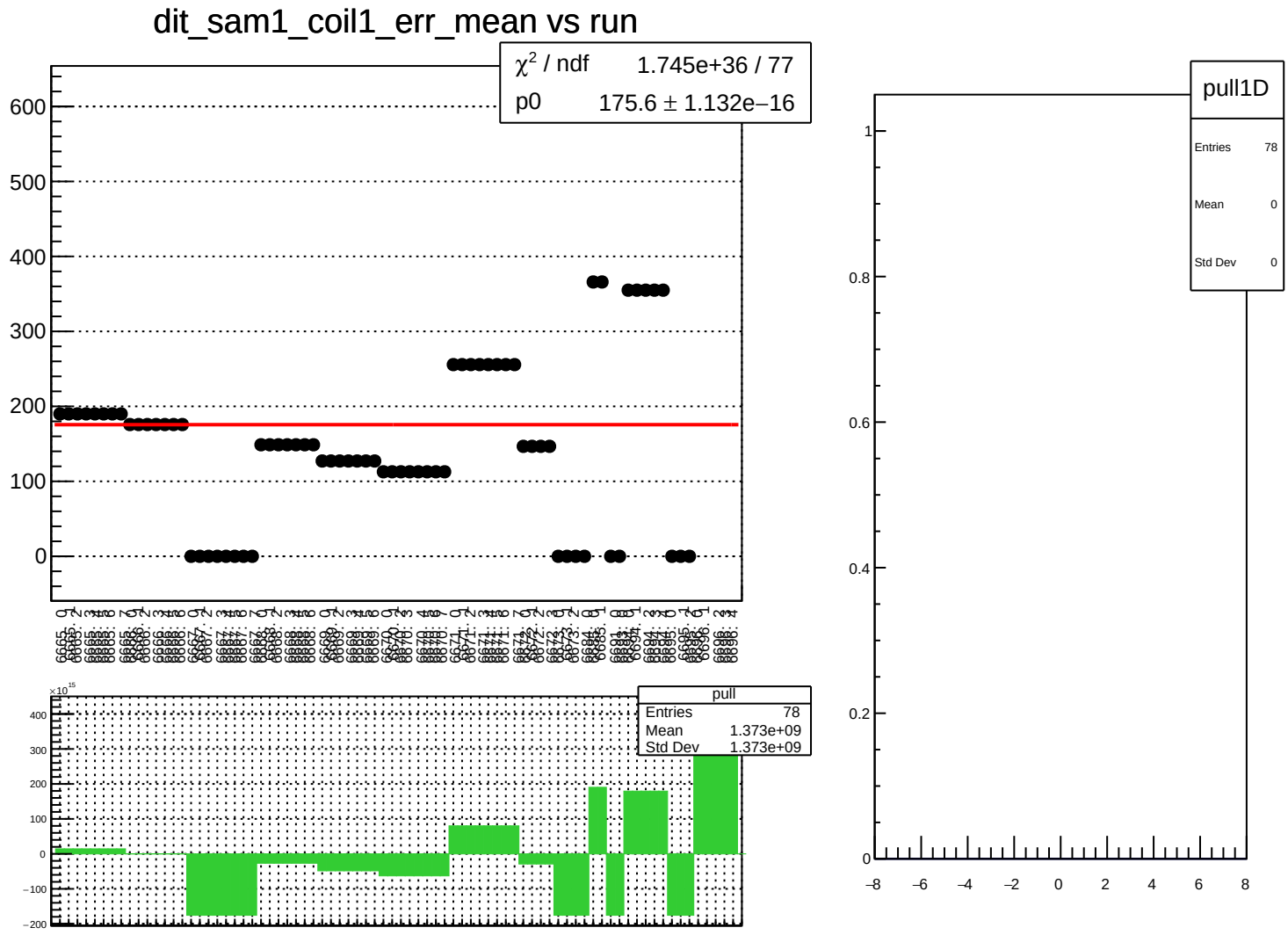

pull1D
Entries 78
Mean 0
Std Dev 0

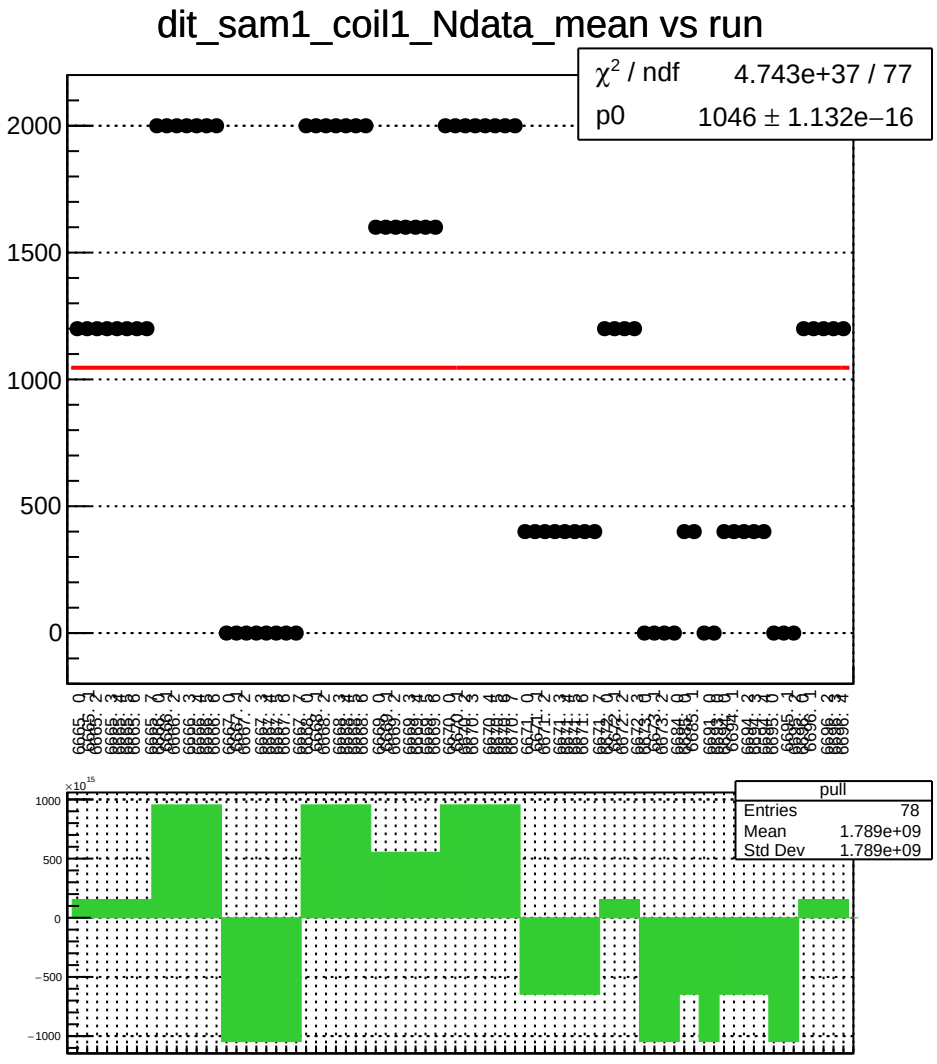

dit_atr2_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

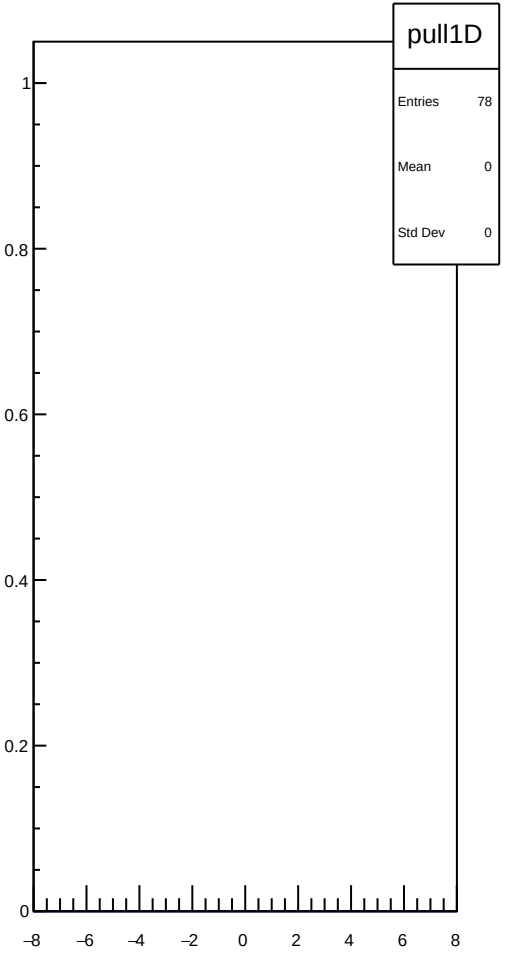

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

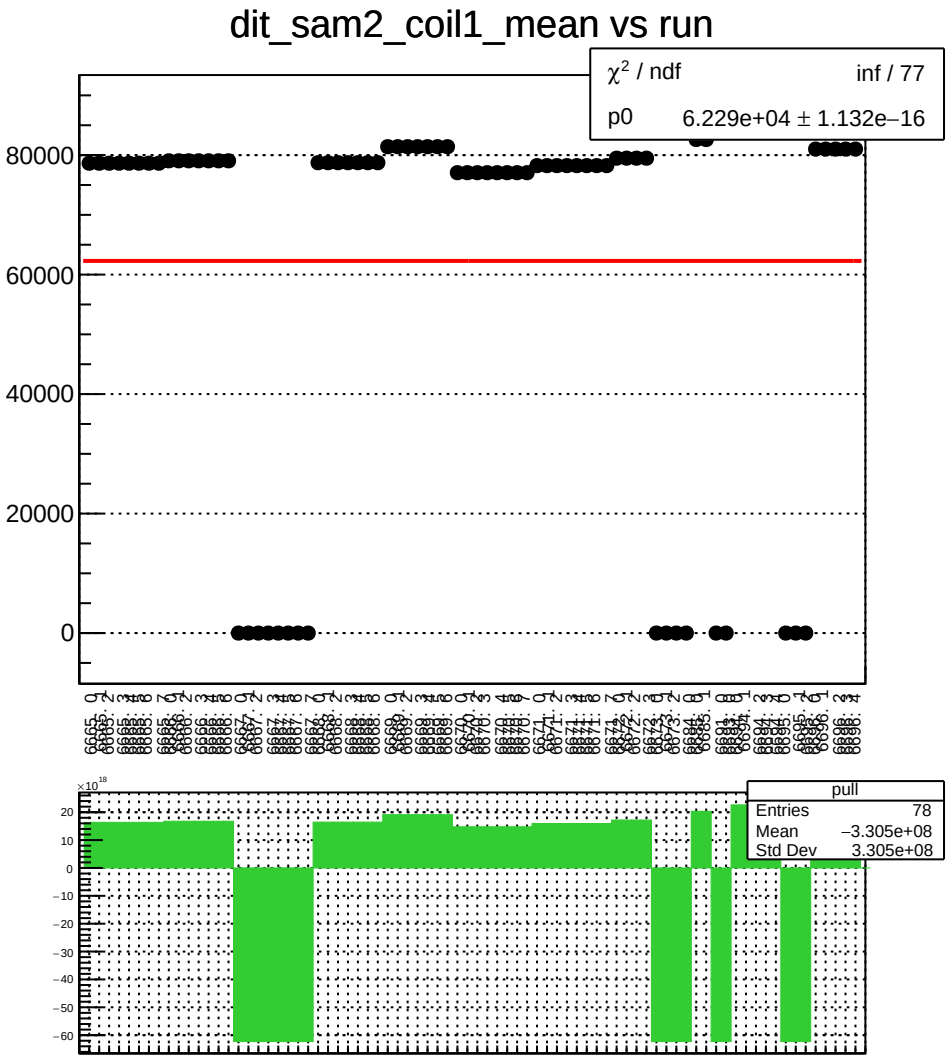

dit_sam1_coil1_mean vs run
χ^2 / ndf inf / 77
p0 6608 ± 1.132e−16
8000
6000
4000
2000
0
pull
Entries 78
Mean −3.06e+08
Std Dev 3.06e+08
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

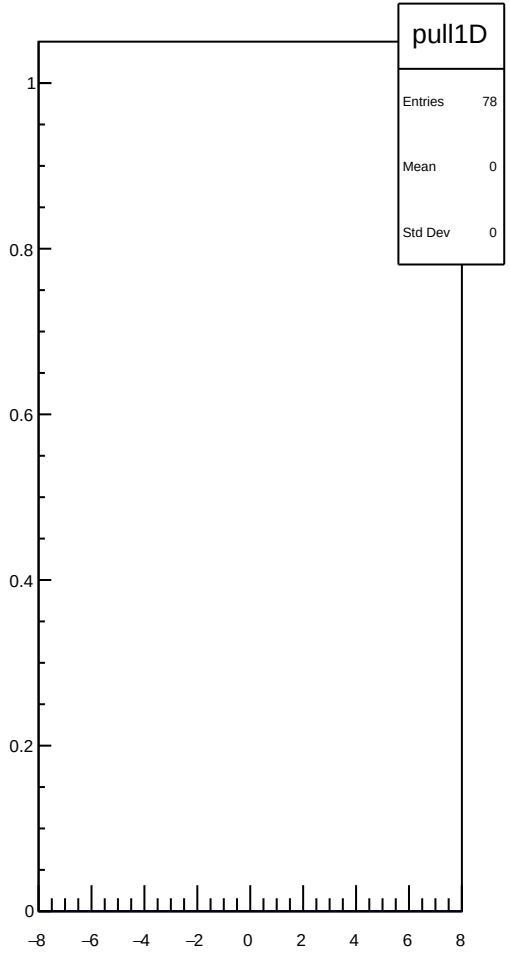

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

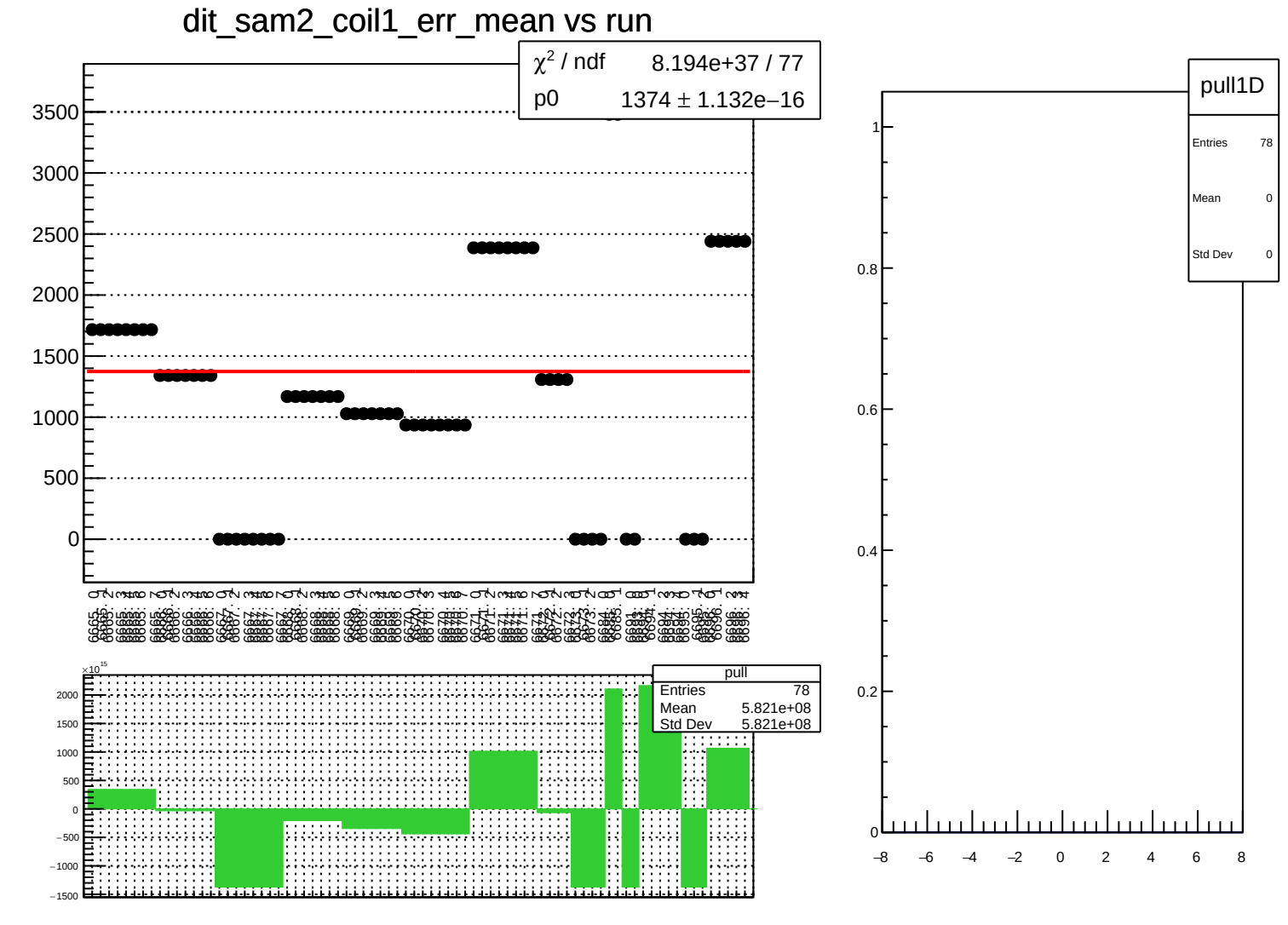

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.745e+36 / 77
p0 175.6 ± 1.132e−16
600
500
400
300
200
100
0
pull
Entries 78
Mean 1.373e+09
Std Dev 1.373e+09
×10¹⁵
400
300
200
100
0
−100
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

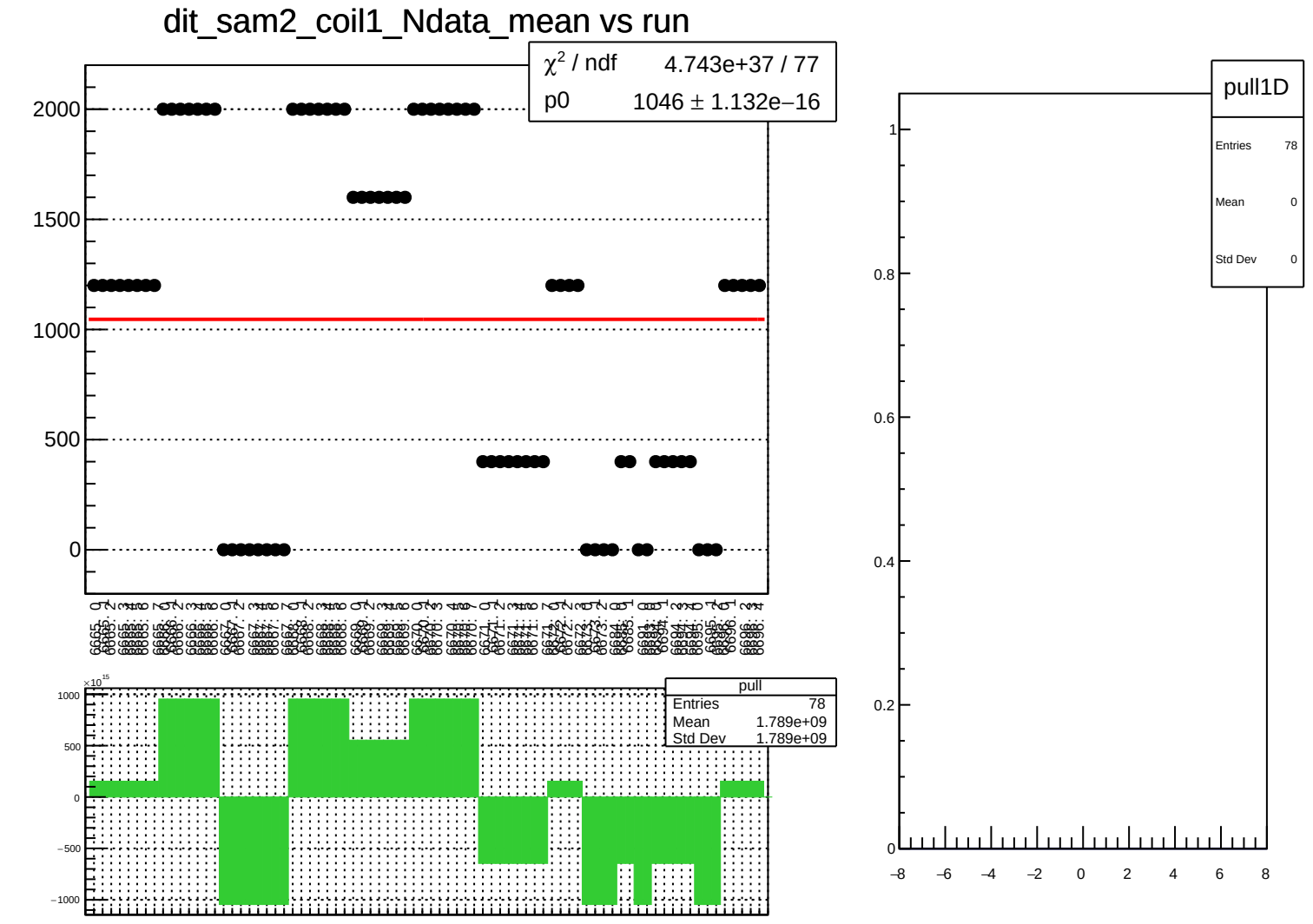

dit_sam1_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

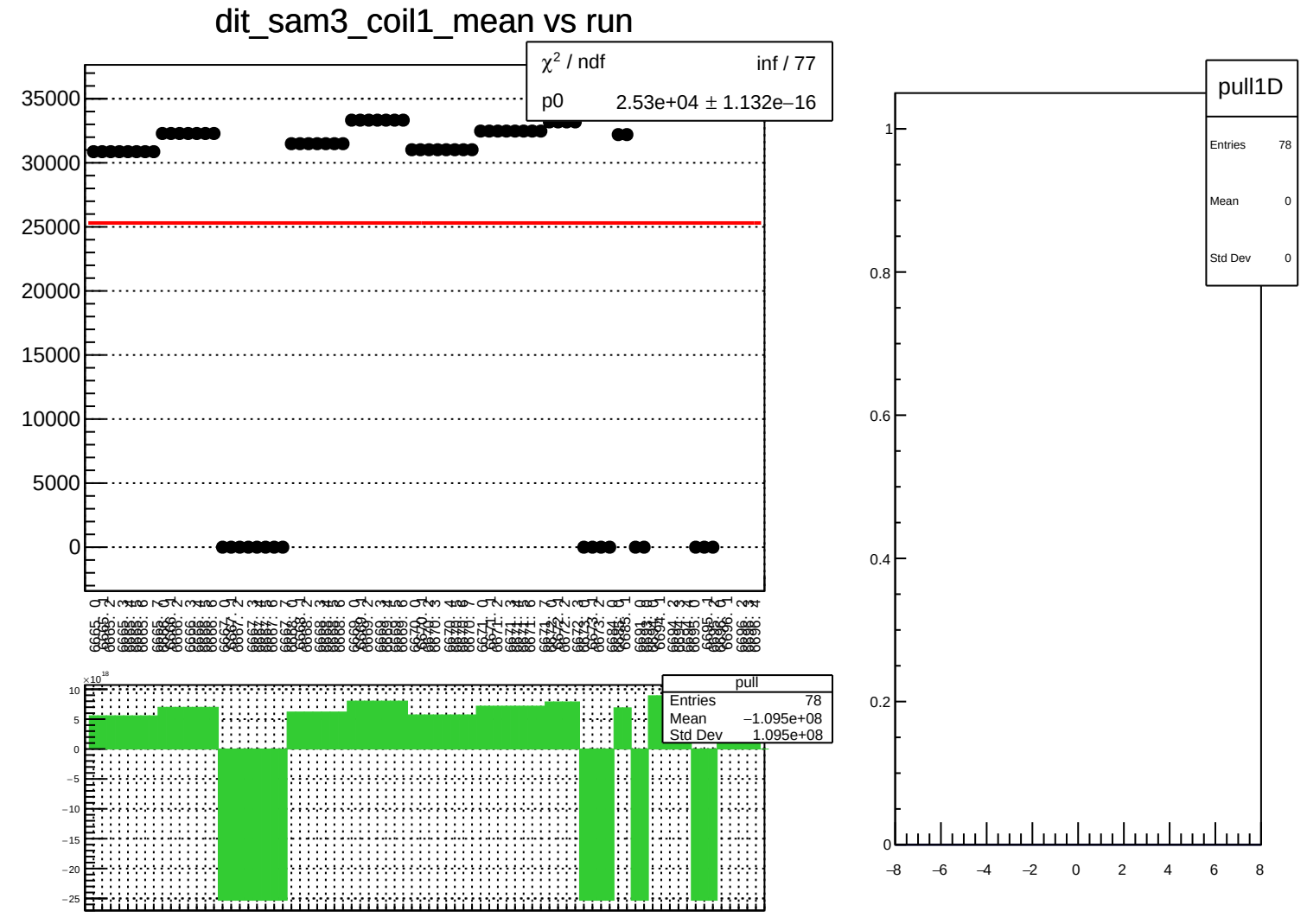

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil1_mean vs run
χ² / ndf inf / 77
p0 6.229e+04 ± 1.132e−16
80000
60000
40000
20000
0
pull
Entries 78
Mean −3.305e+08
Std Dev 3.305e+08
×10¹⁸
20
10
0
−10
−20
−30
−40
−50
−60

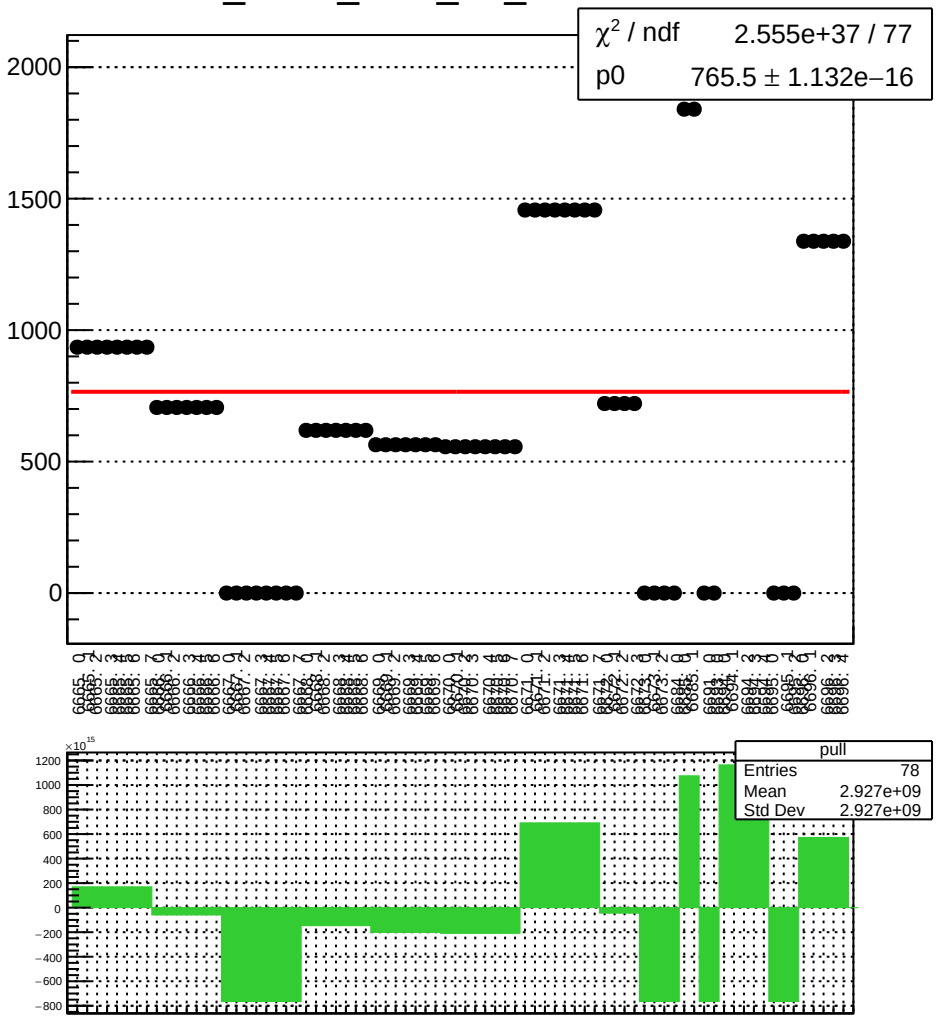

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

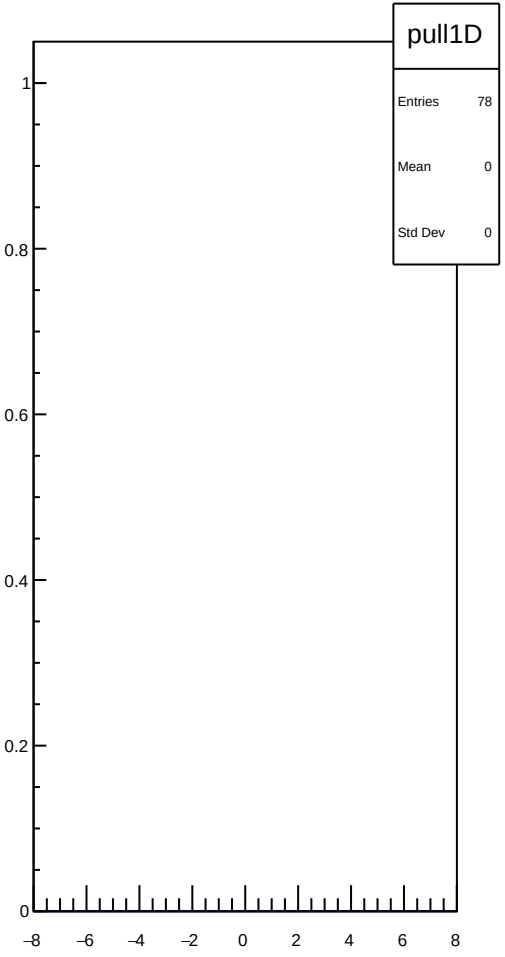

dit_sam2_coil1_err_mean vs run
χ² / ndf 8.194e+37 / 77
p0 1374 ± 1.132e−16
pull
Entries 78
Mean 5.821e+08
Std Dev 5.821e+08
pull1D
Entries 78
Mean 0
Std Dev 0

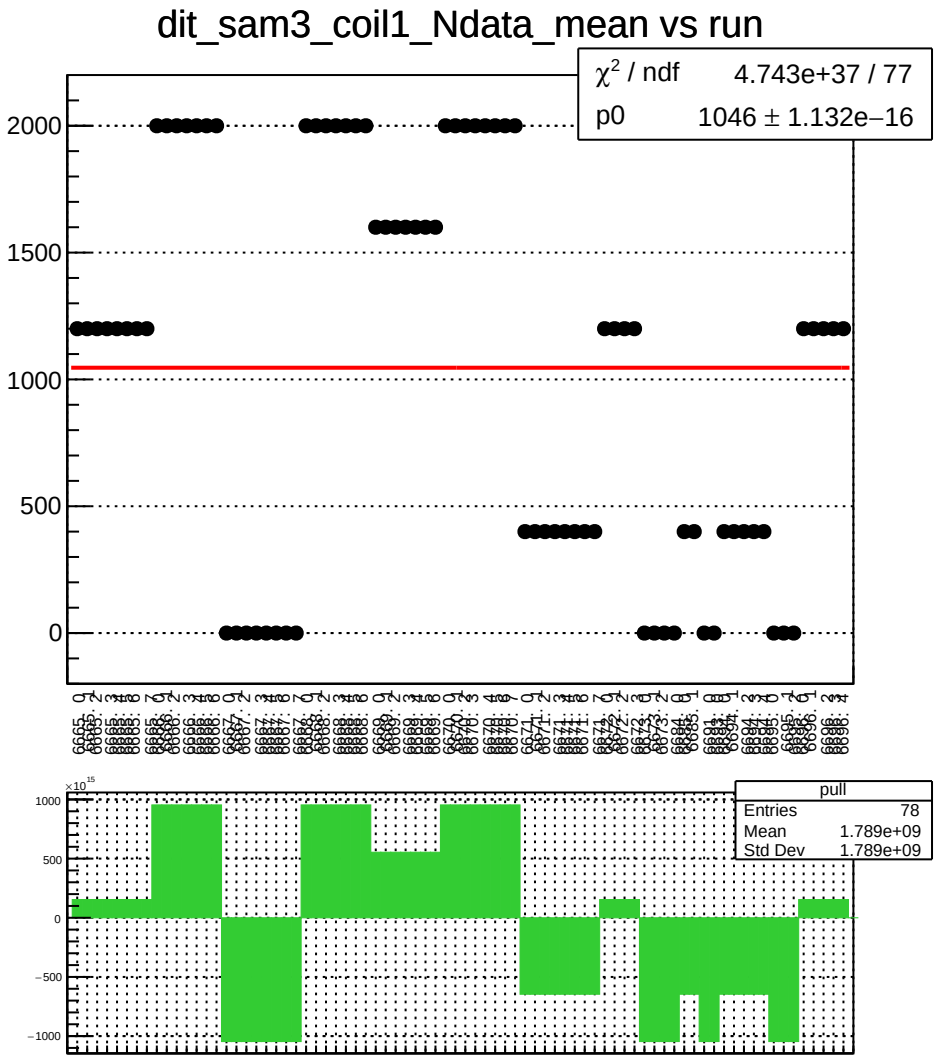

dit_sam2_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

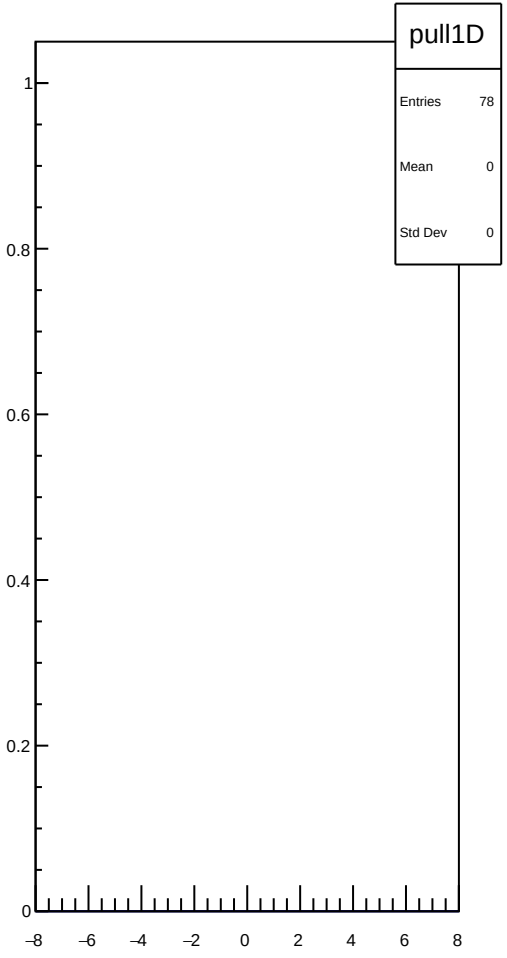

dit_sam3_coil1_mean vs run
χ² / ndf inf / 77
p0 2.53e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.095e+08
Std Dev 1.095e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

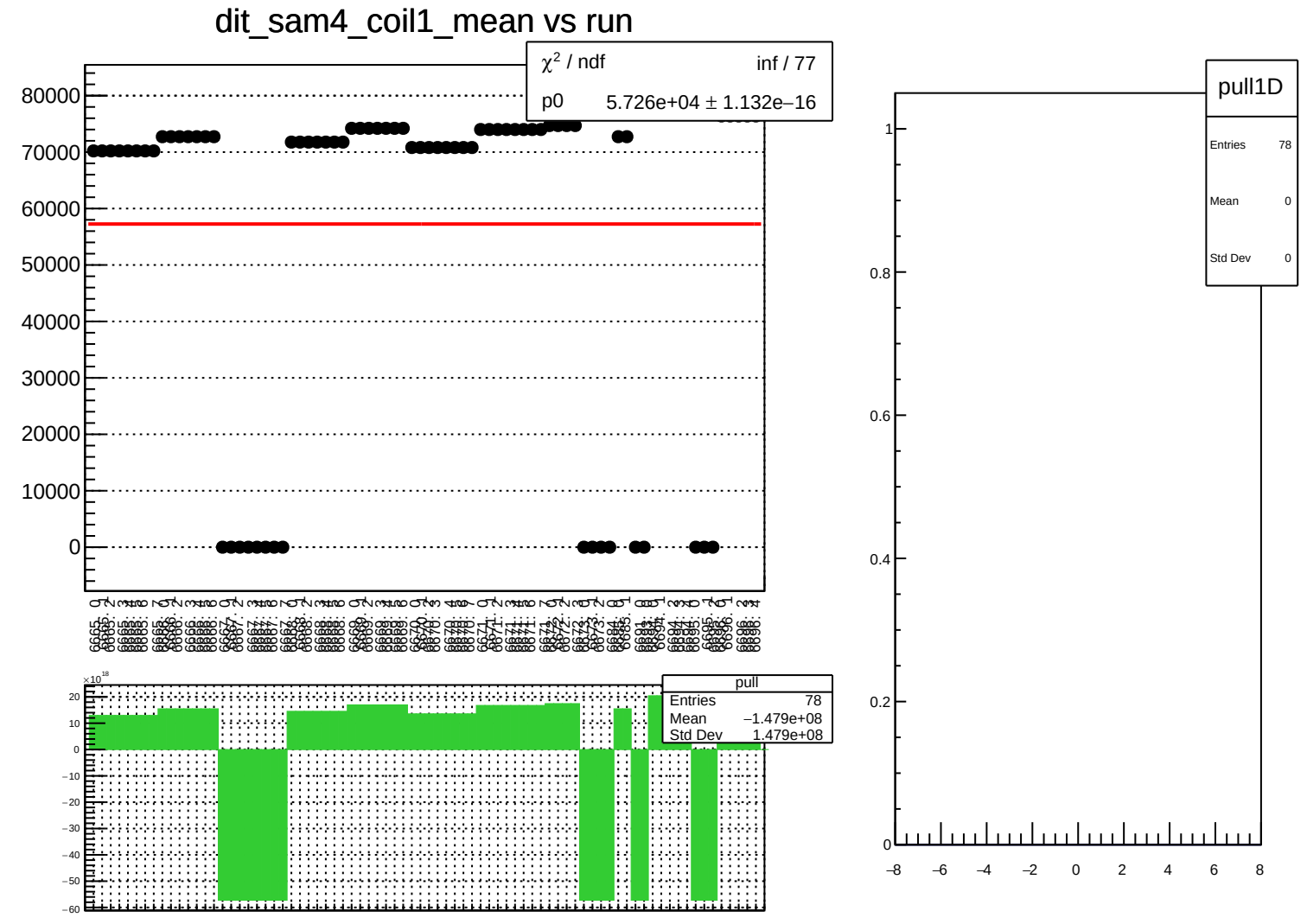
dit_sam3_coil1_err_mean vs run



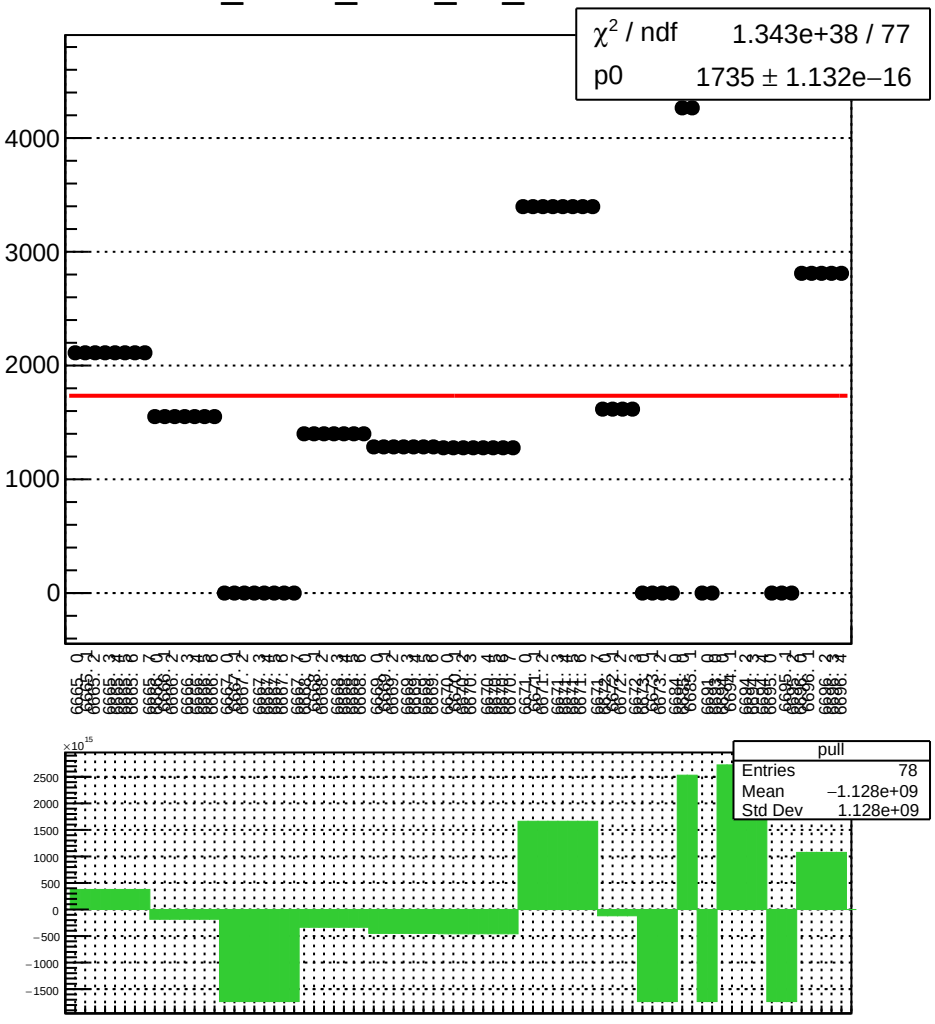


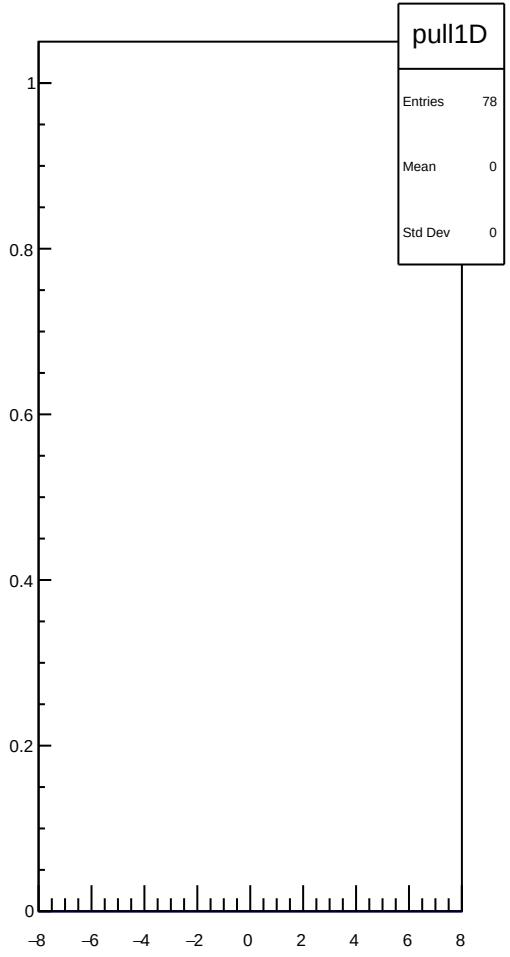

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

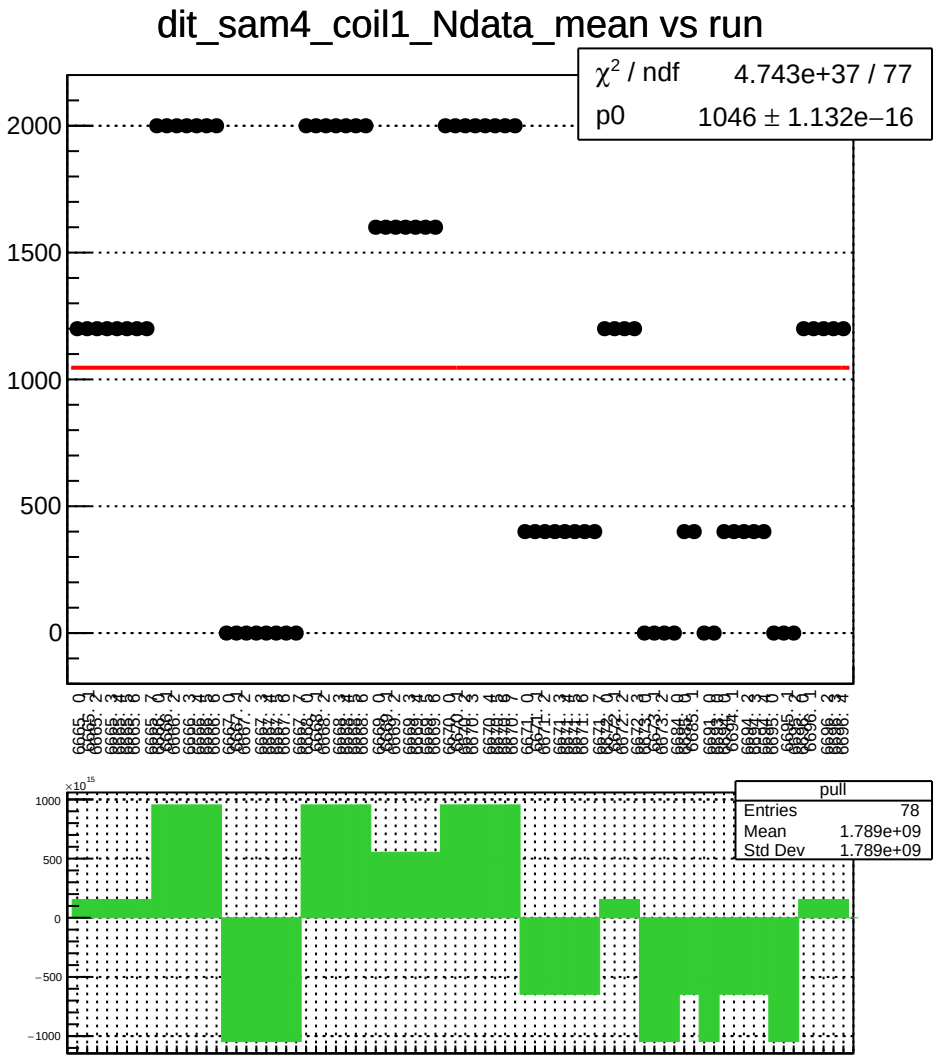

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

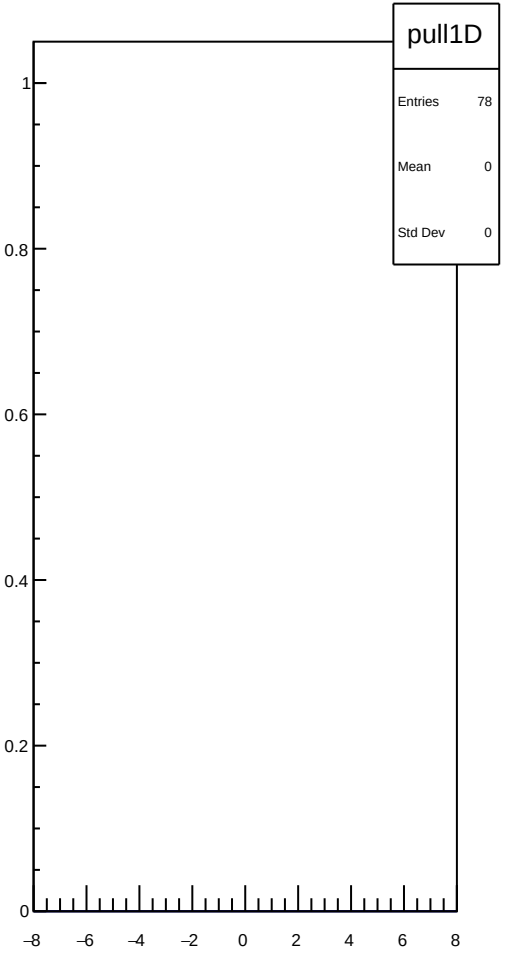

dit_sam4_coil1_mean vs run
χ² / ndf inf / 77
p0 5.726e+04 ± 1.132e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean −1.479e+08
Std Dev 1.479e+08
×10¹⁸
20
10
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

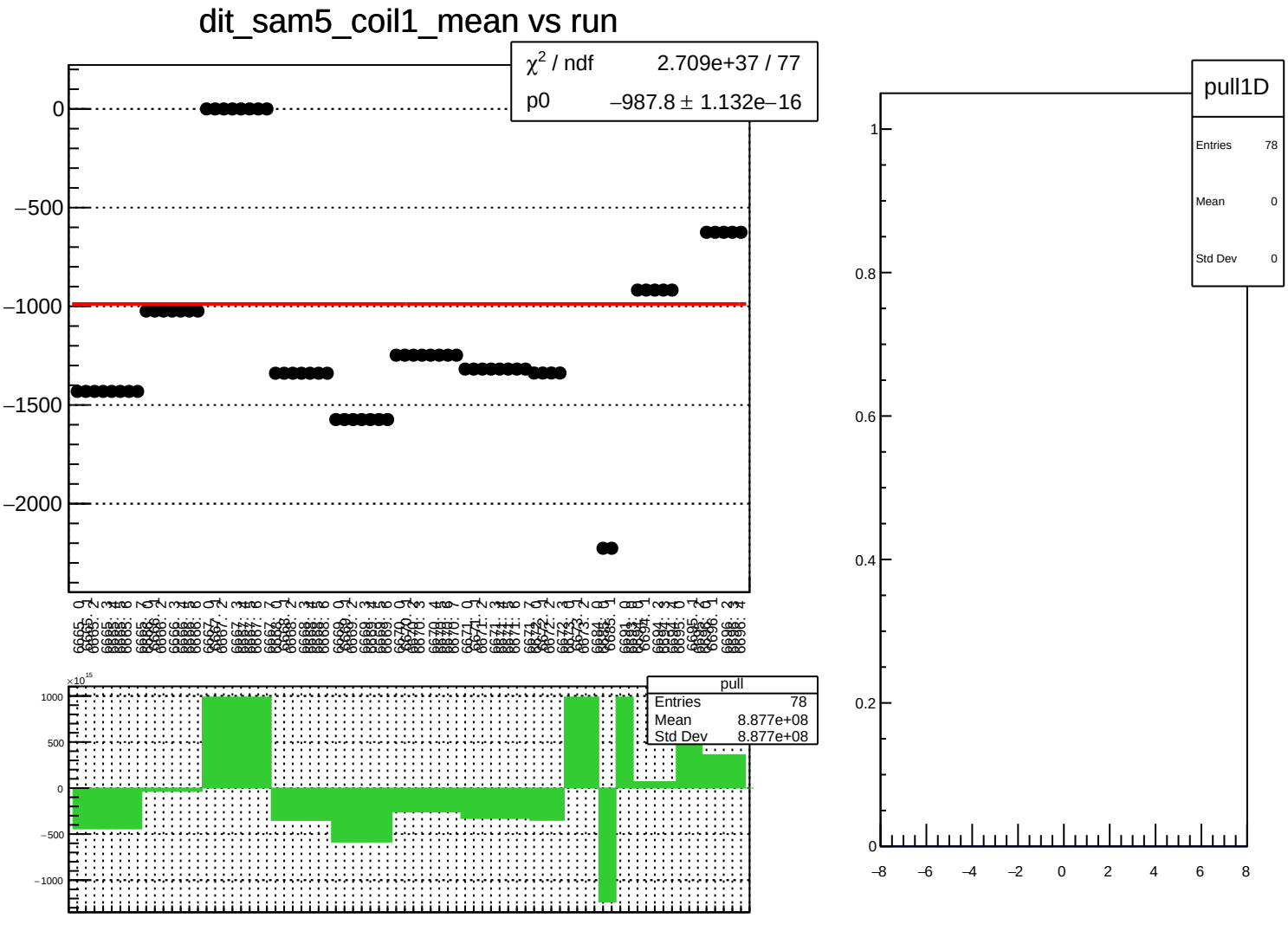
dit_sam4_coil1_err_mean vs run

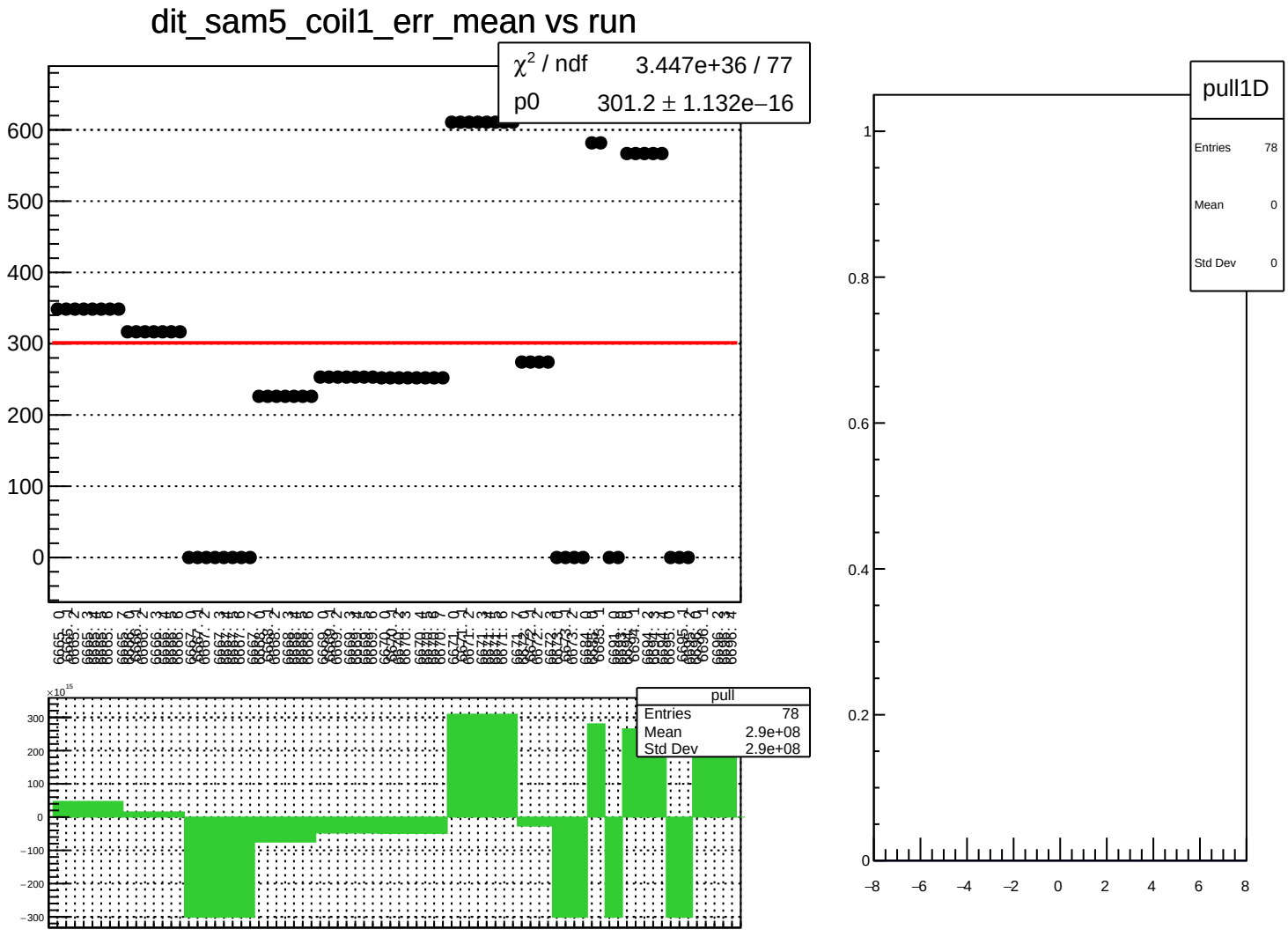


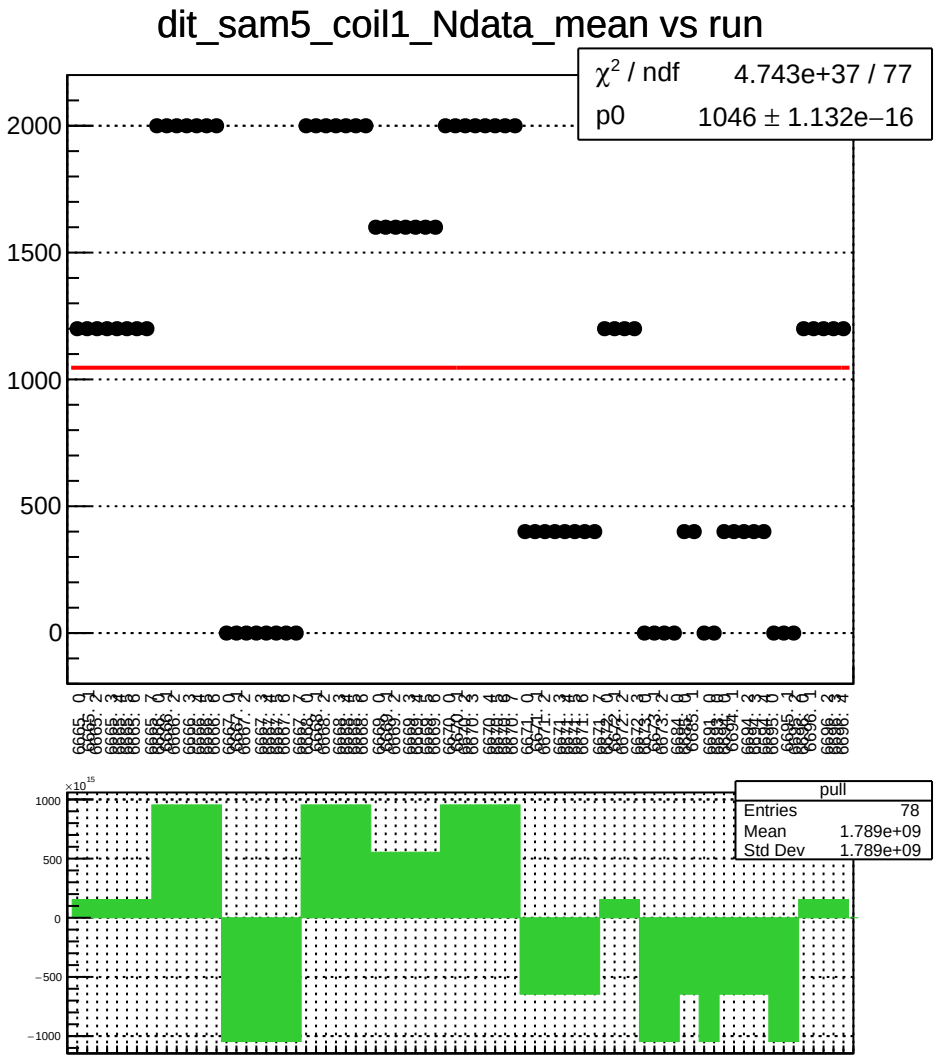


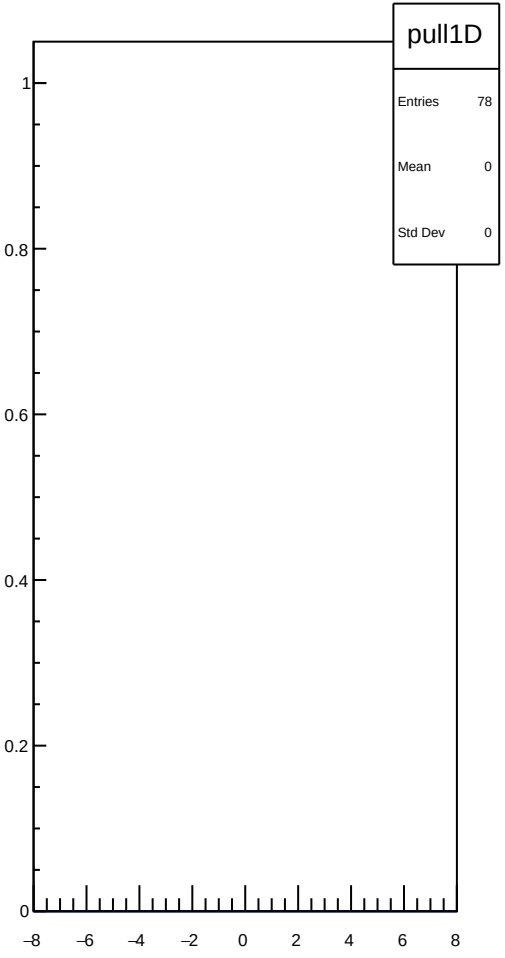

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

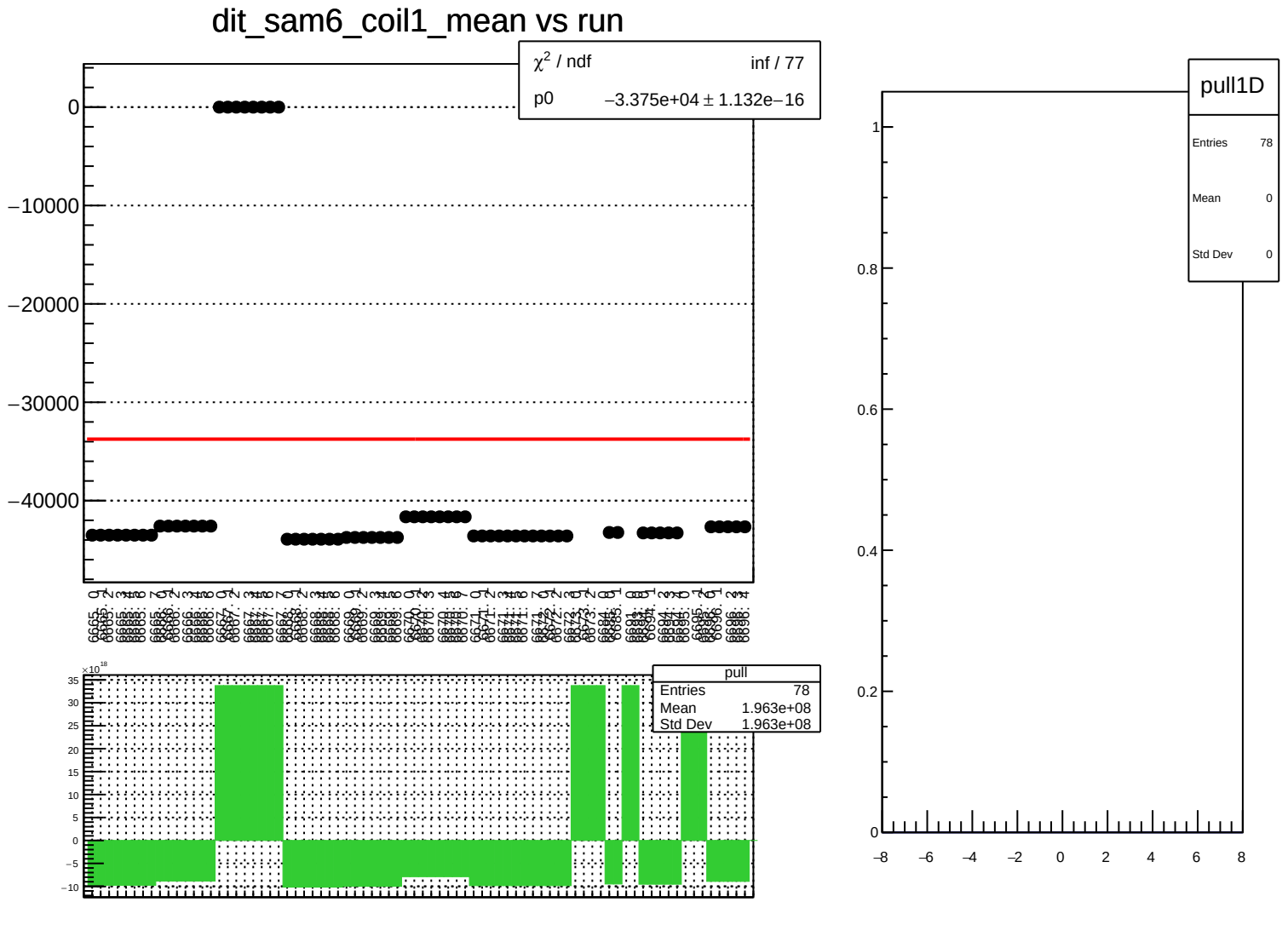

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

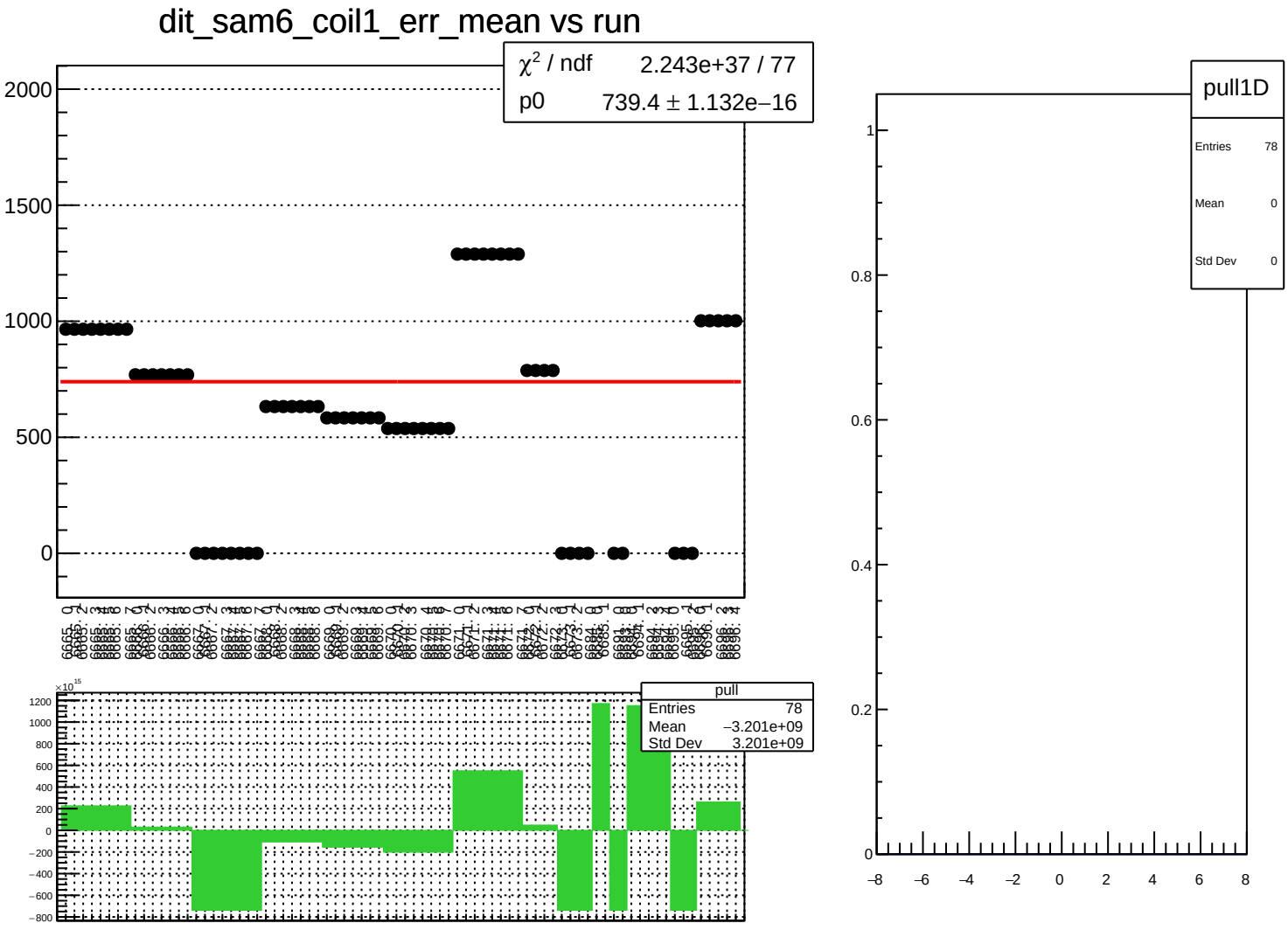

dit_sam5_coil1_mean vs run
χ² / ndf 2.709e+37 / 77
p0 −987.8 ± 1.132e−16
0
−500
−1000
−1500
−2000
pull
Entries 78
Mean 8.877e+08
Std Dev 8.877e+08
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

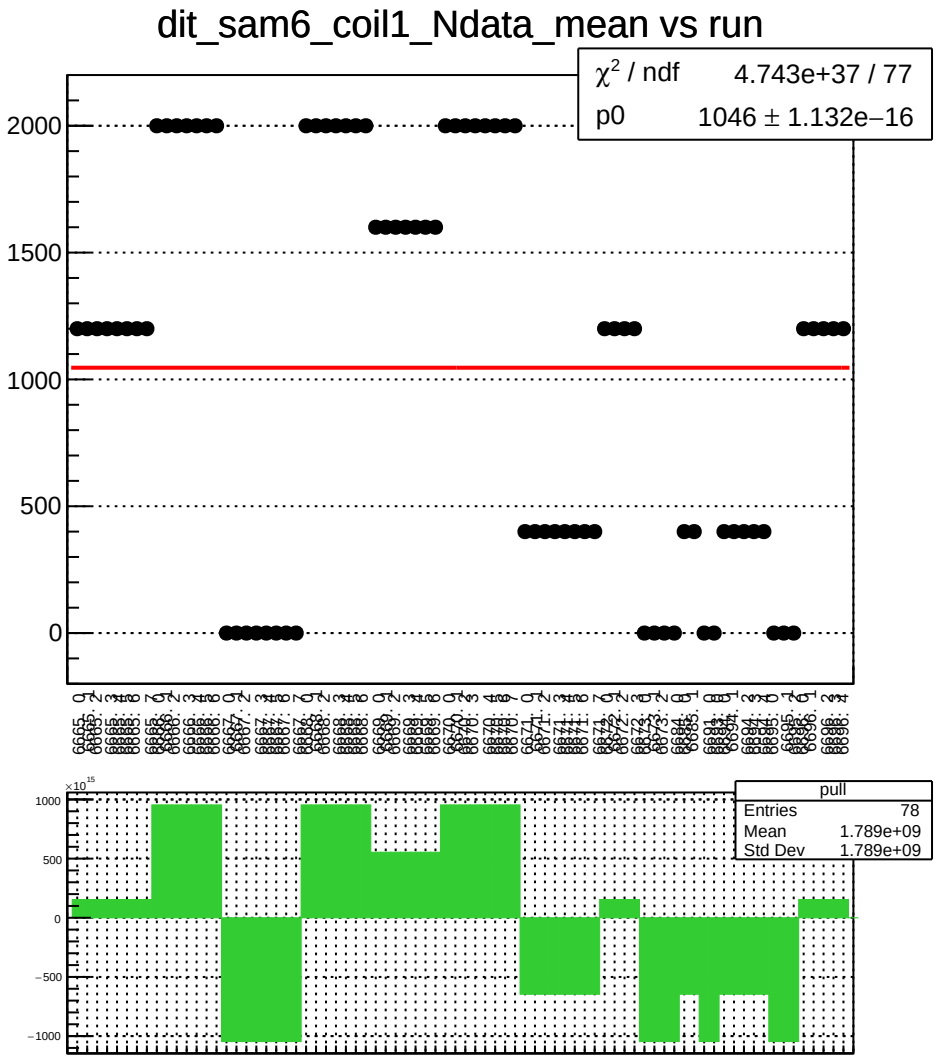

dit_sam5_coil1_err_mean vs run
χ² / ndf 3.447e+36 / 77
p0 301.2 ± 1.132e−16
pull
Entries 78
Mean 2.9e+08
Std Dev 2.9e+08
pull1D
Entries 78
Mean 0
Std Dev 0

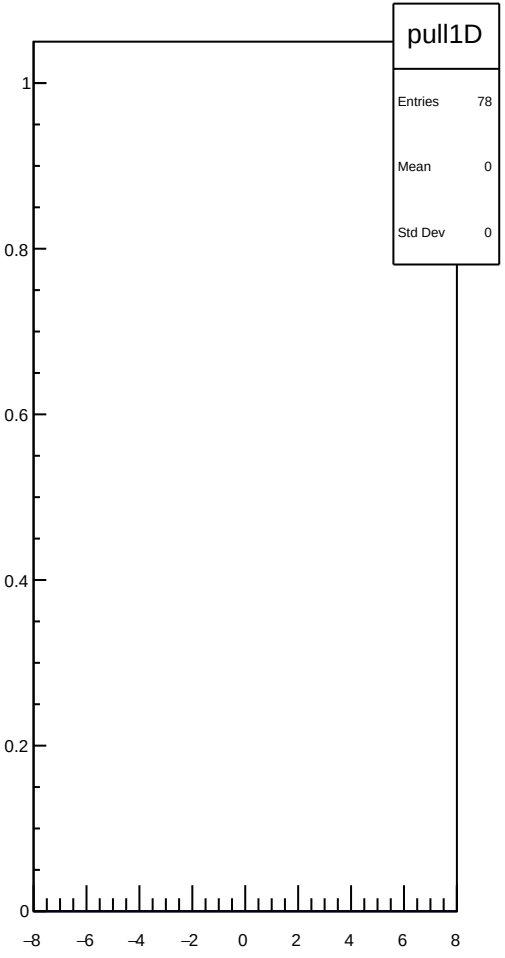

dit_sam5_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

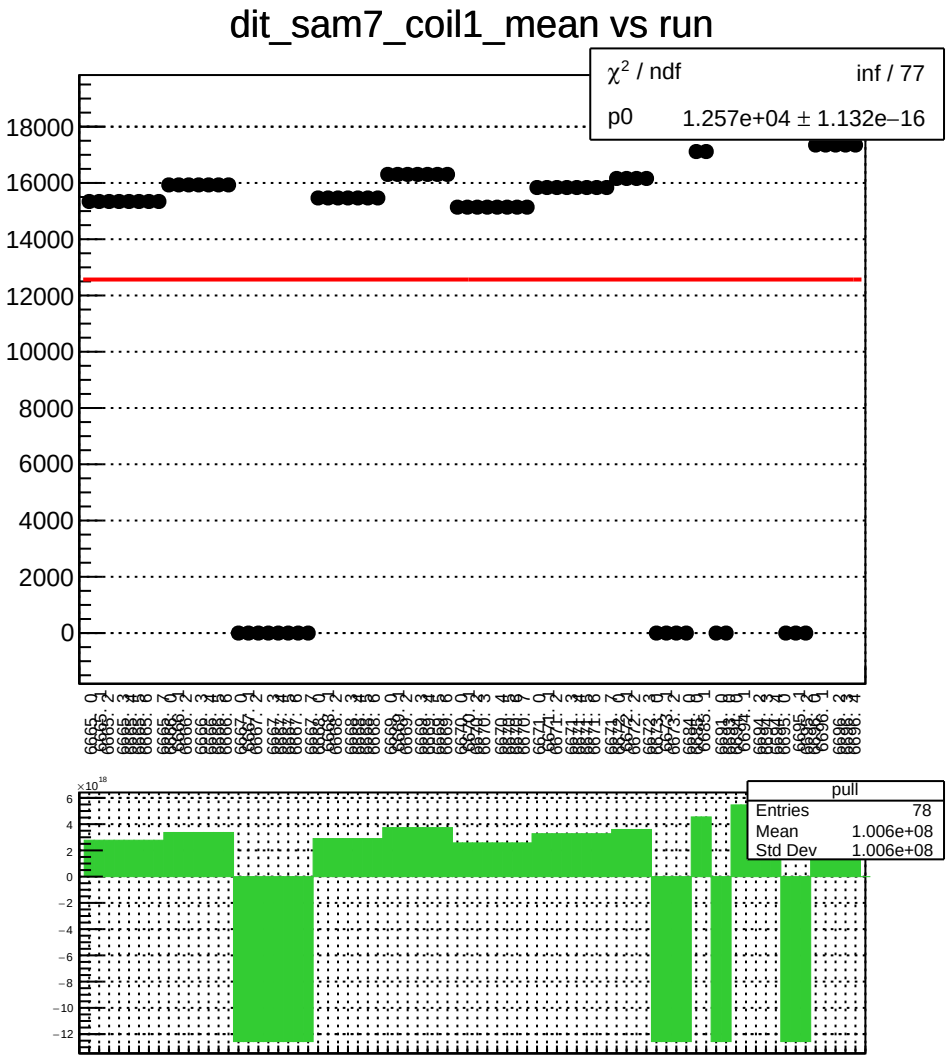

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

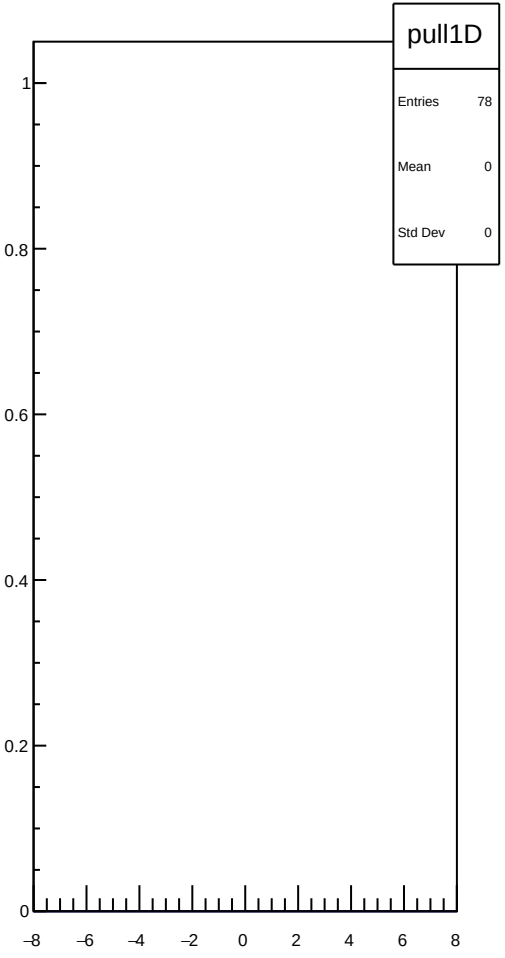

dit_sam6_coil1_mean vs run
χ² / ndf inf / 77
p0 −3.375e+04 ± 1.132e−16
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean 1.963e+08
Std Dev 1.963e+08
×10¹⁸
35
30
25
20
15
10
5
0
−5
−10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

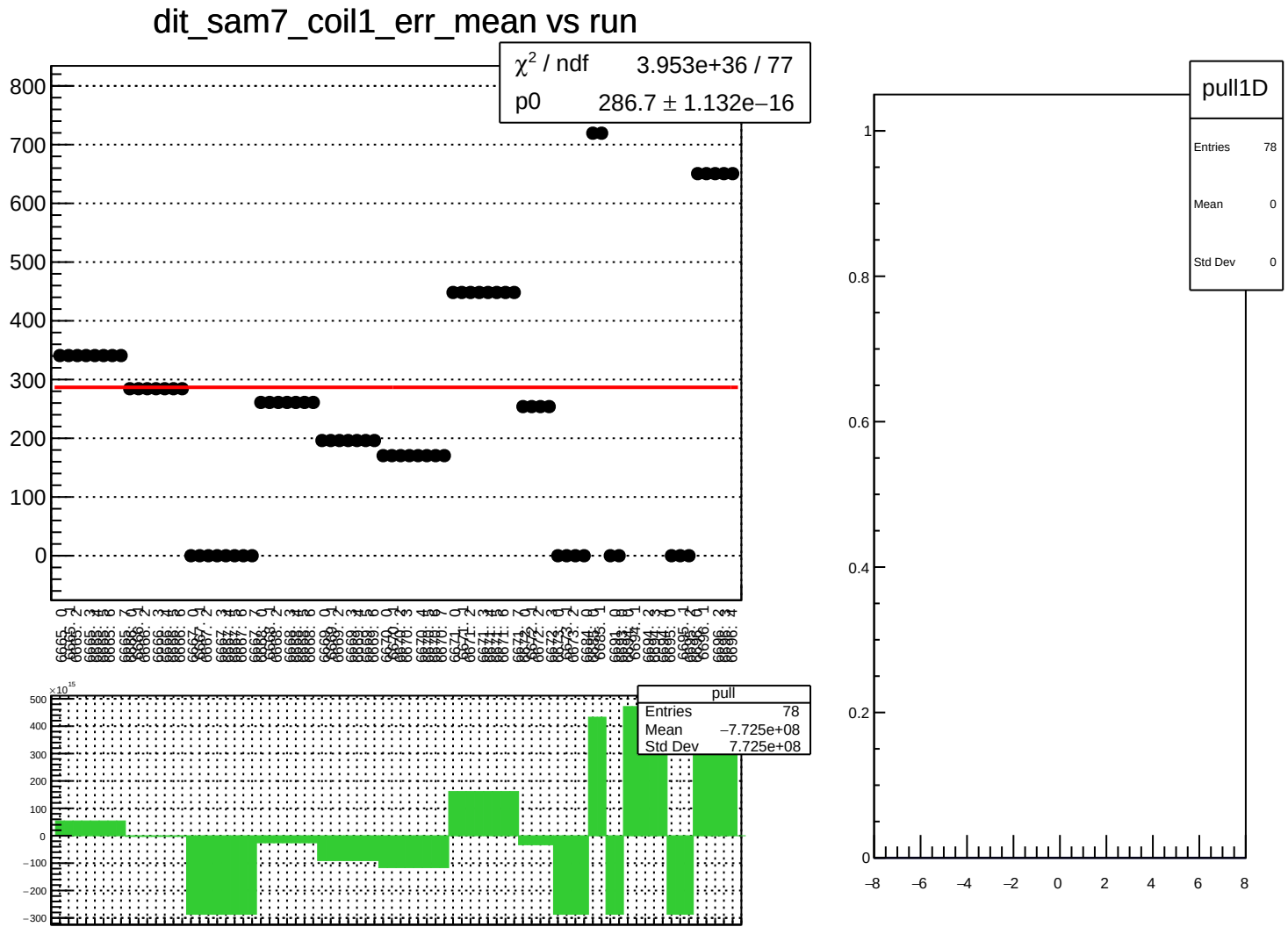

dit_sam6_coil1_err_mean vs run
χ² / ndf 2.243e+37 / 77
p0 739.4 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.201e+09
Std Dev 3.201e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

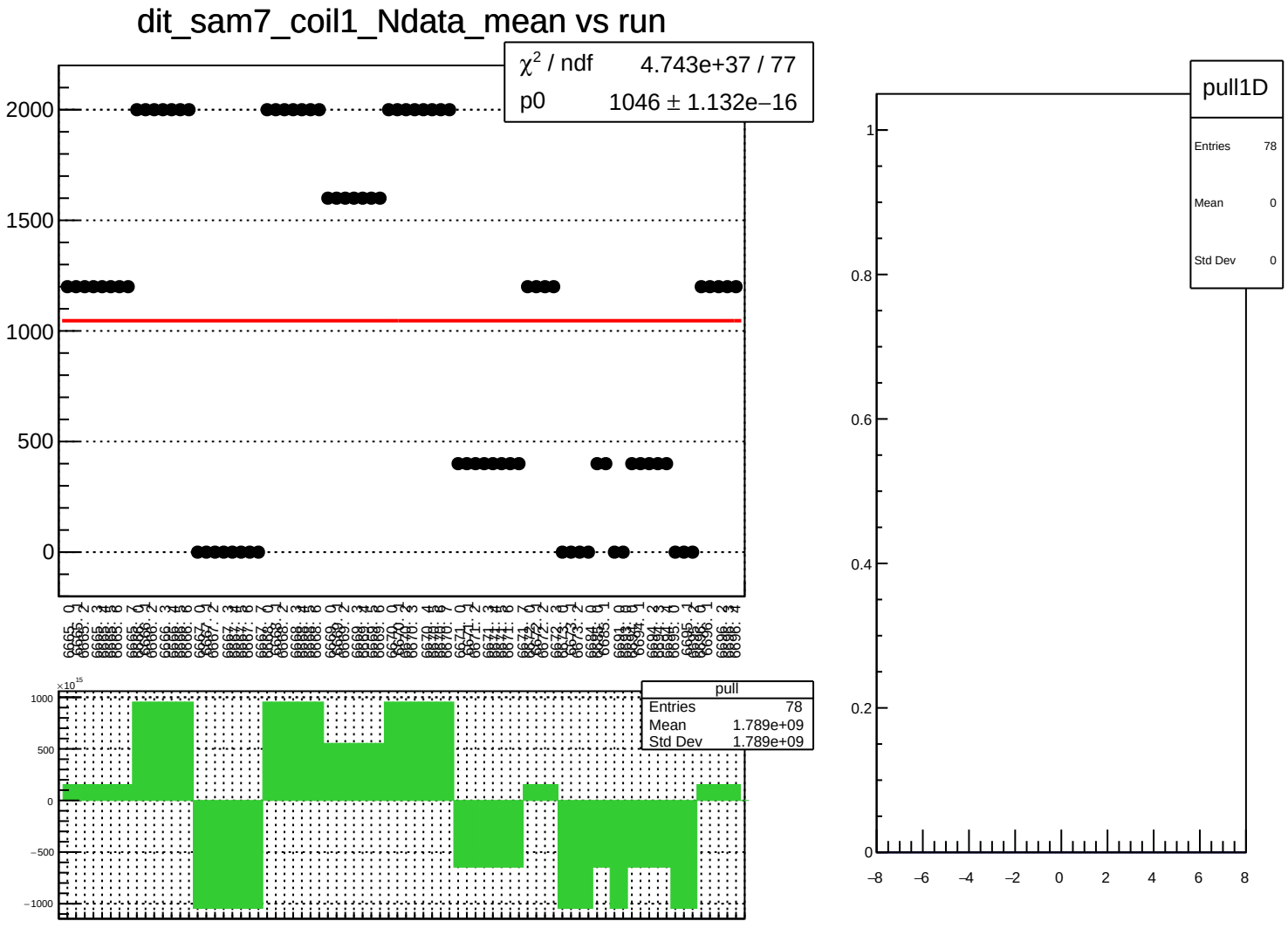

dit_sam6_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000

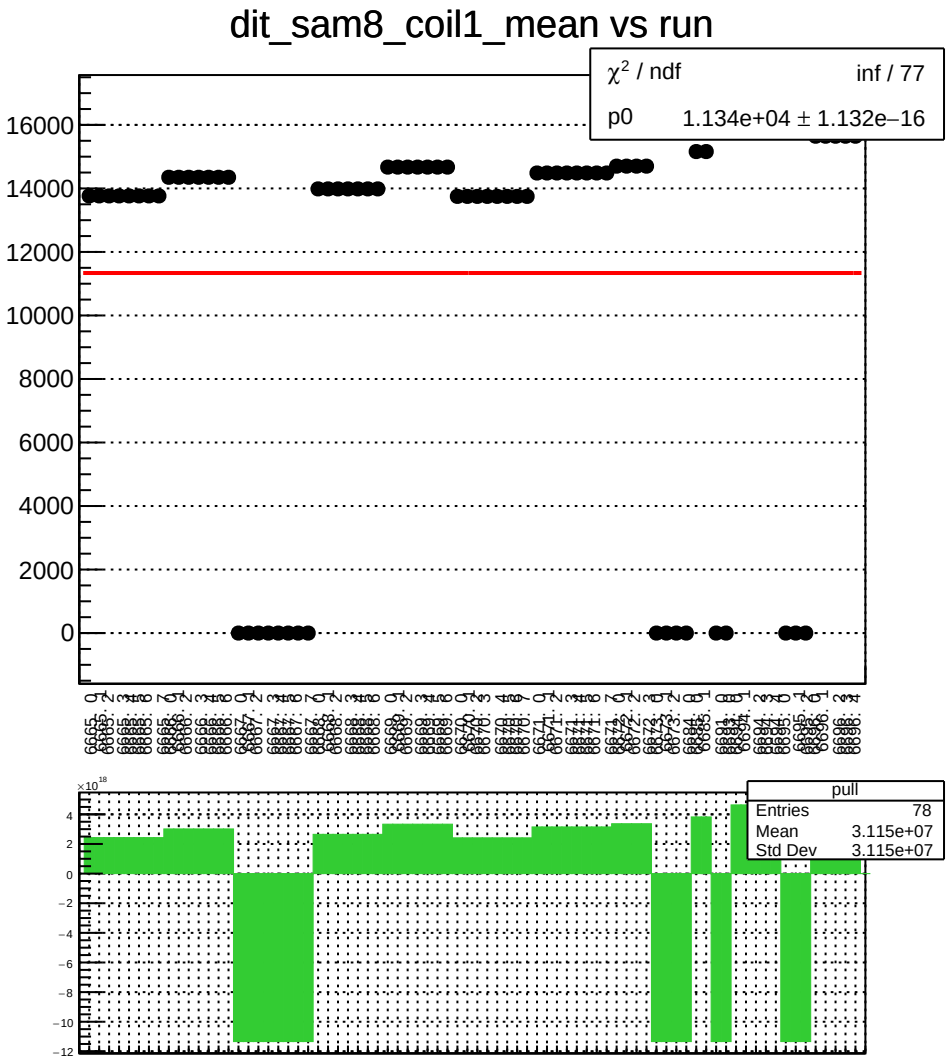

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

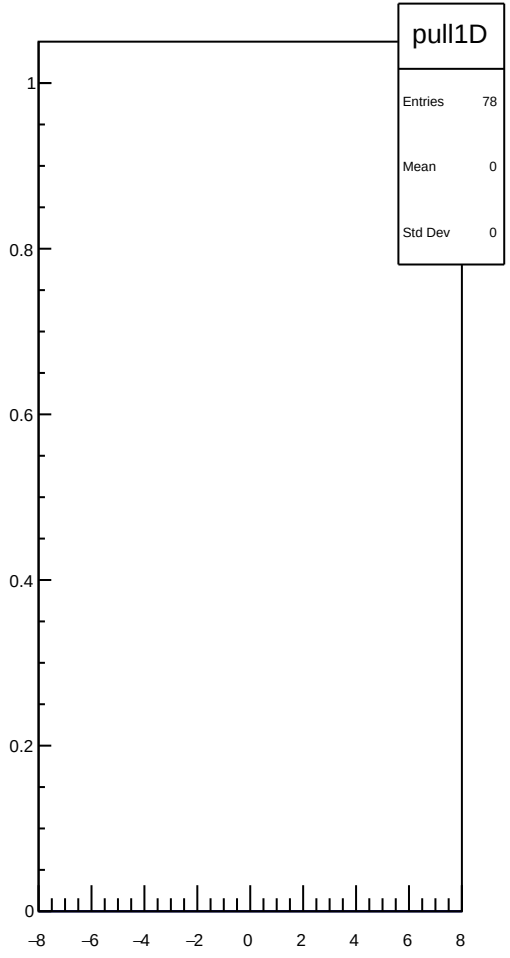

dit_sam7_coil1_mean vs run
χ² / ndf inf / 77
p0 1.257e+04 ± 1.132e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean 1.006e+08
Std Dev 1.006e+08
×10¹⁸
6
4
2
0
−2
−4
−6
−8
−10
−12

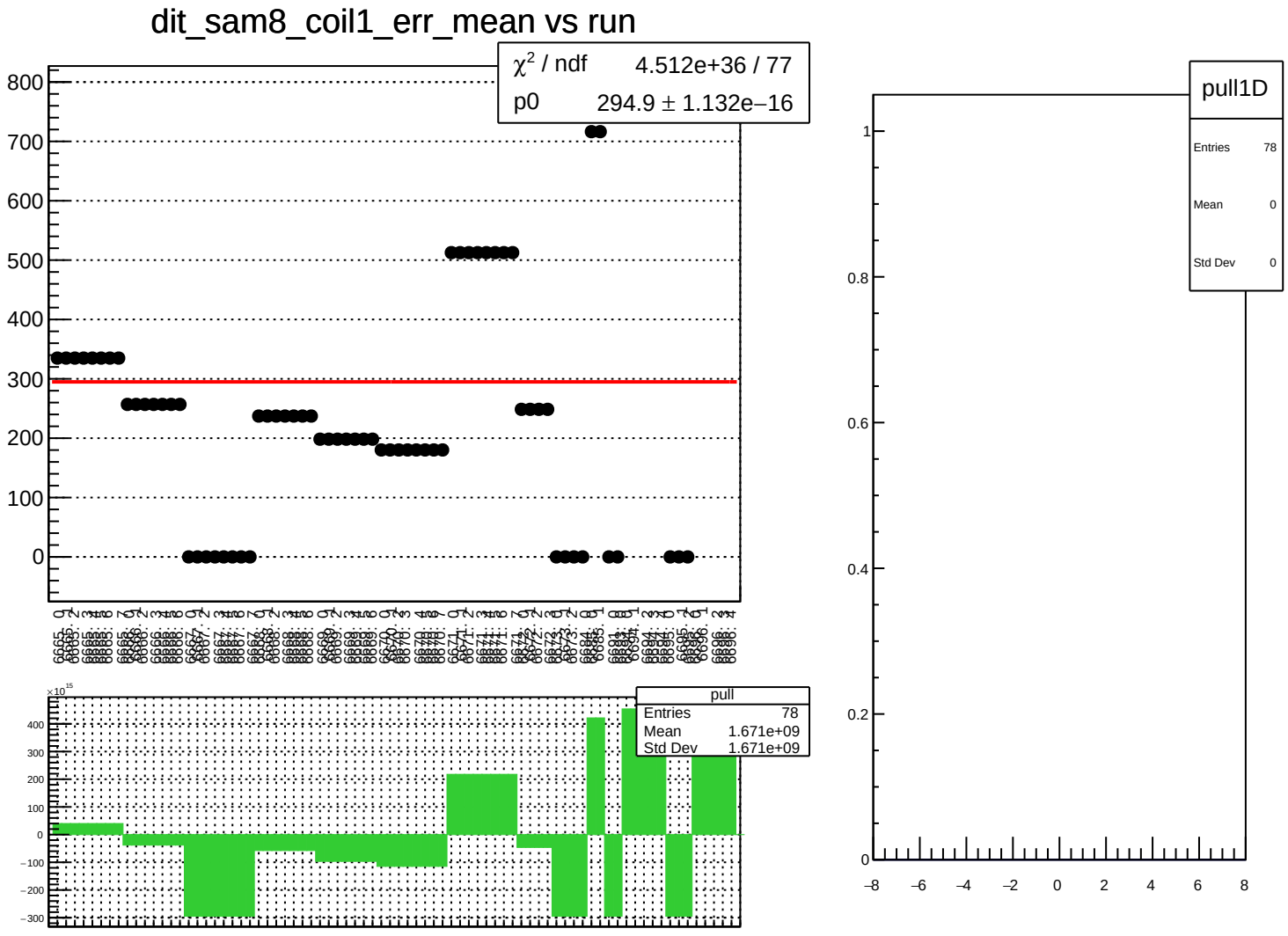

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

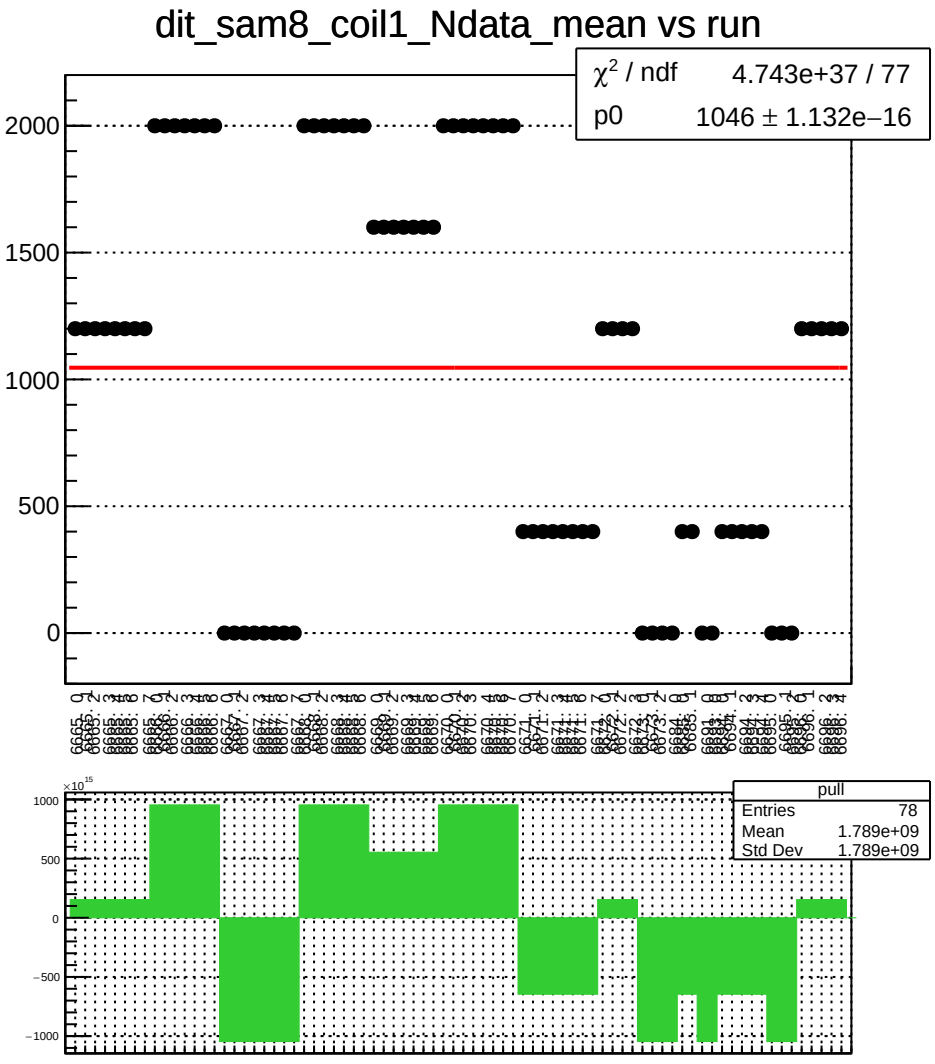

dit_sam7_coil1_err_mean vs run
χ^2 / ndf 3.953e+36 / 77
p0 286.7 ± 1.132e−16
pull
Entries 78
Mean −7.725e+08
Std Dev 7.725e+08
pull1D
Entries 78
Mean 0
Std Dev 0

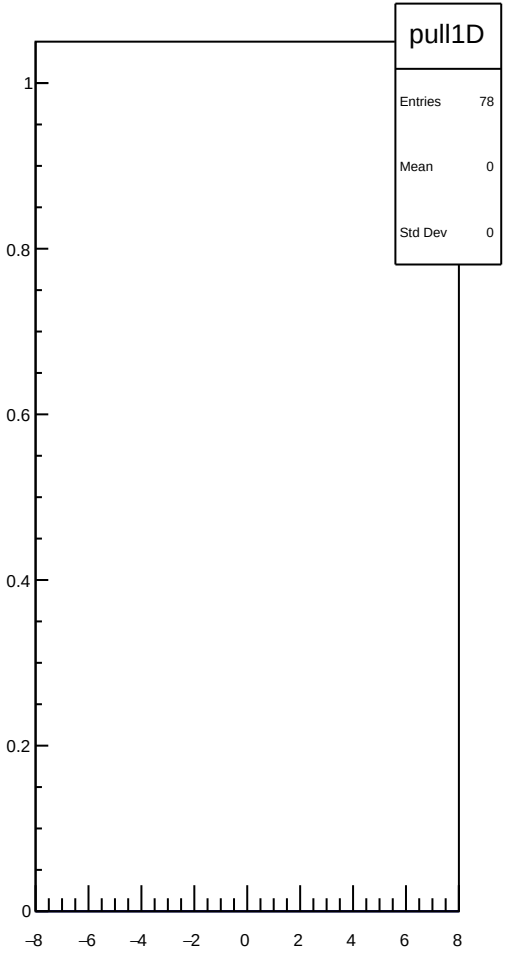

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

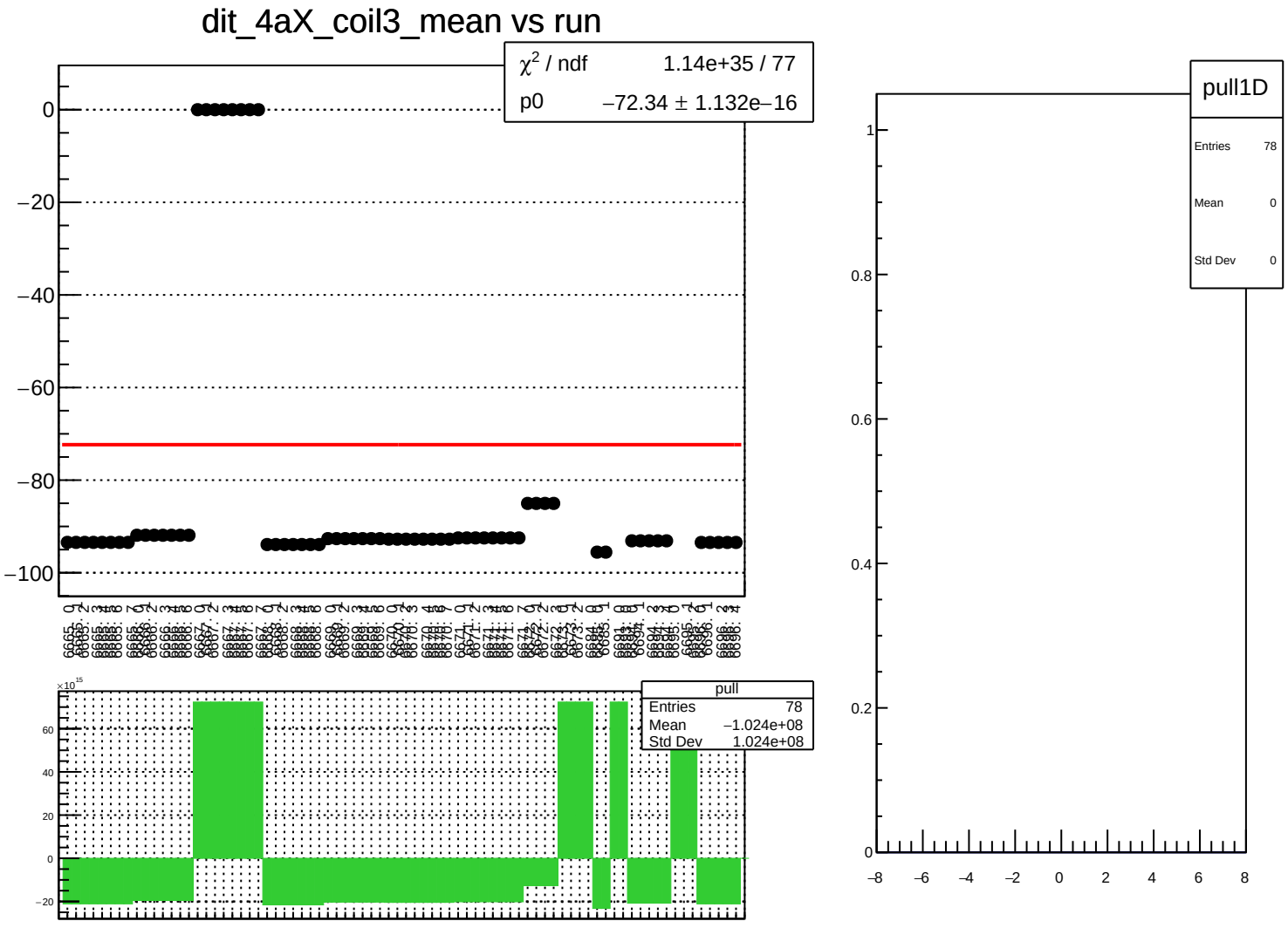

dit_sam8_coil1_mean vs run
χ² / ndf inf / 77
p0 1.134e+04 ± 1.132e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean 3.115e+07
Std Dev 3.115e+07
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12


pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

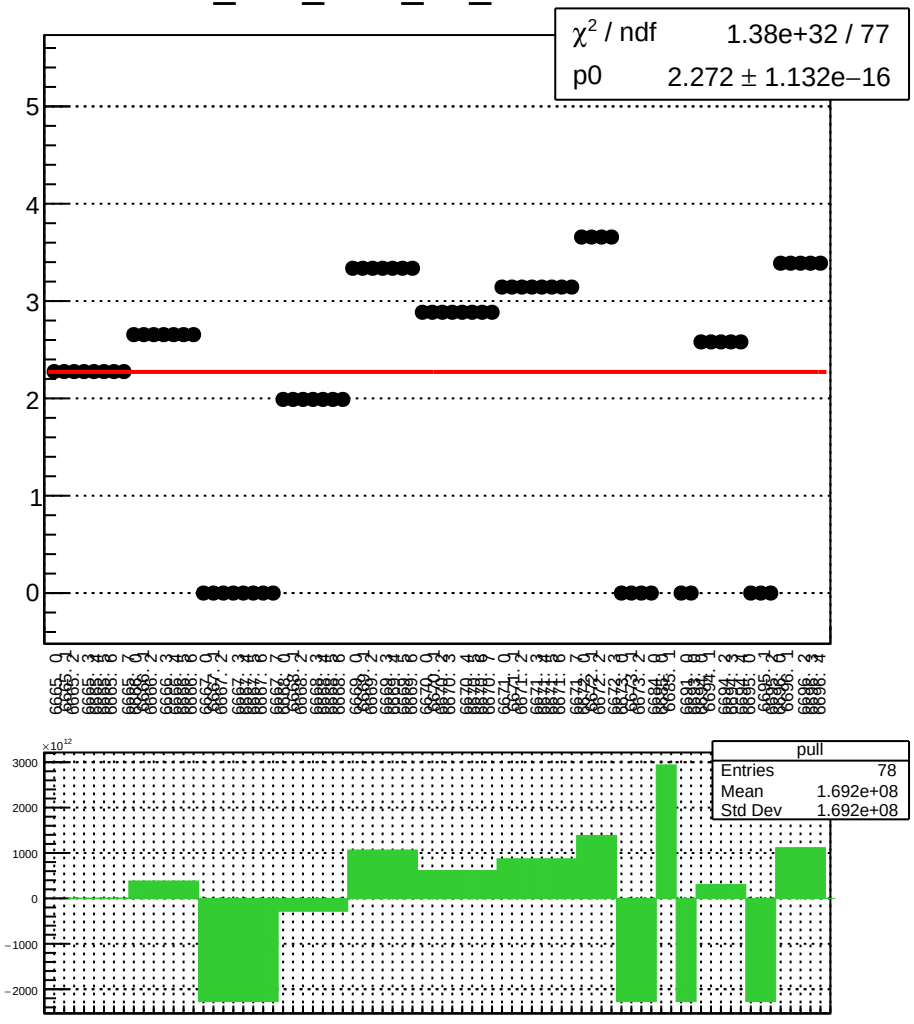

dit_sam8_coil1_err_mean vs run
χ² / ndf 4.512e+36 / 77
p0 294.9 ± 1.132e−16
pull
Entries 78
Mean 1.671e+09
Std Dev 1.671e+09
pull1D
Entries 78
Mean 0
Std Dev 0

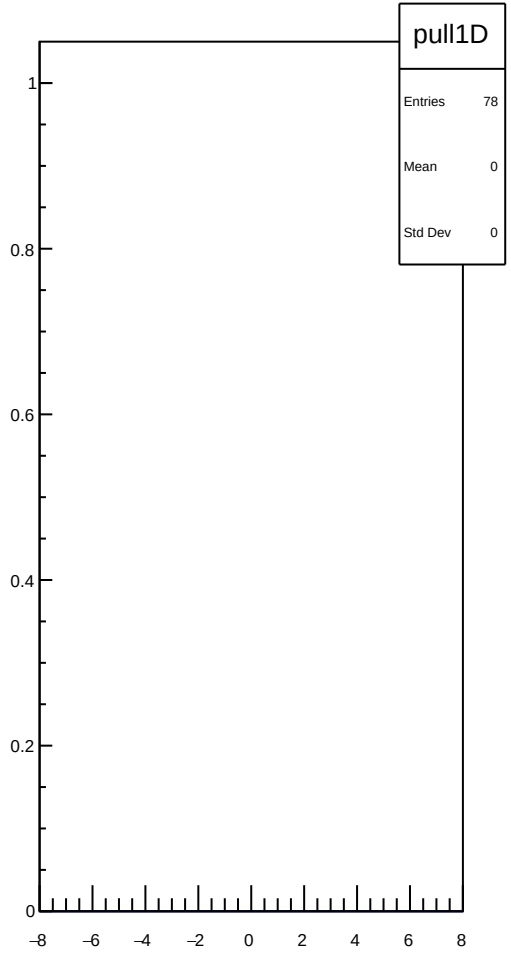

dit_sam8_coil1_Ndata_mean vs run
χ^2 / ndf 4.743e+37 / 77
p0 1046 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.789e+09
Std Dev 1.789e+09
1000
500
0
−500
−1000


pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

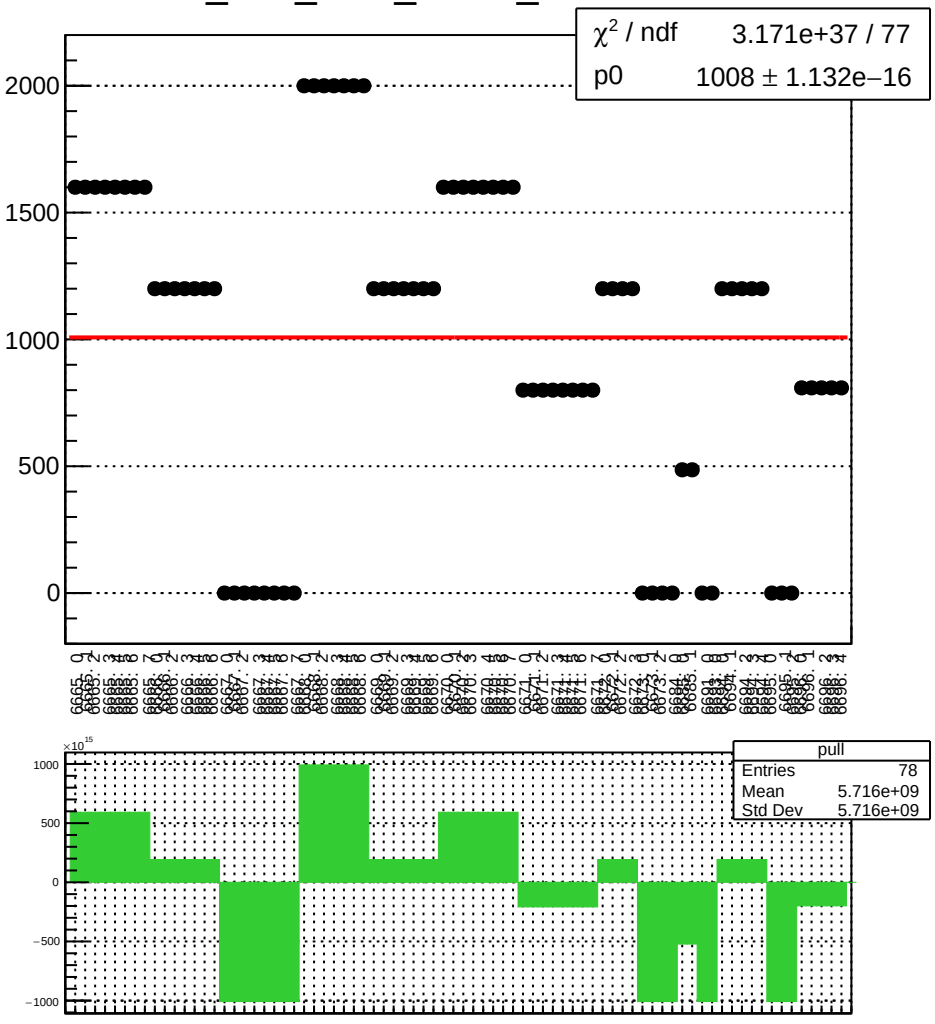

dit_4aX_coil3_mean vs run
χ^2 / ndf 1.14e+35 / 77
p0 −72.34 ± 1.132e−16
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean −1.024e+08
Std Dev 1.024e+08
×10^15
60
40
20
0
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

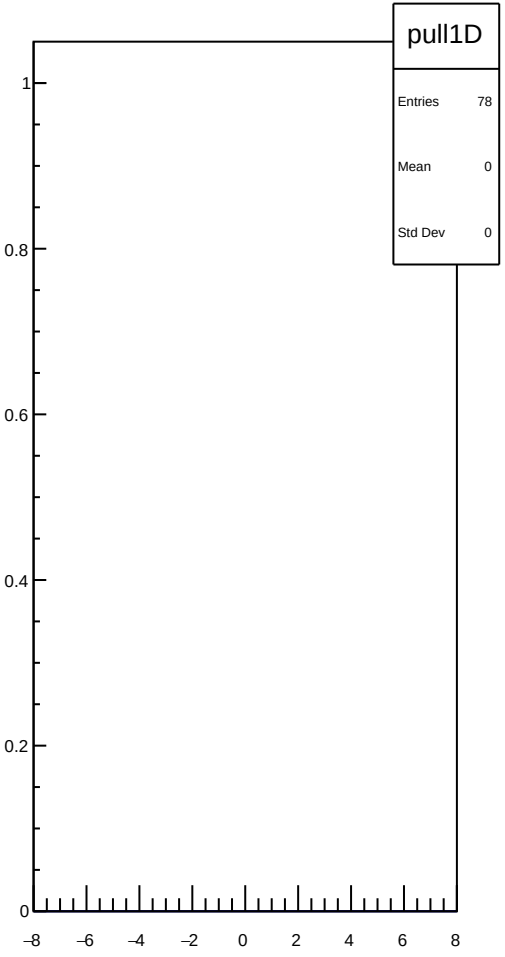
dit_4aX_coil3_err_mean vs run



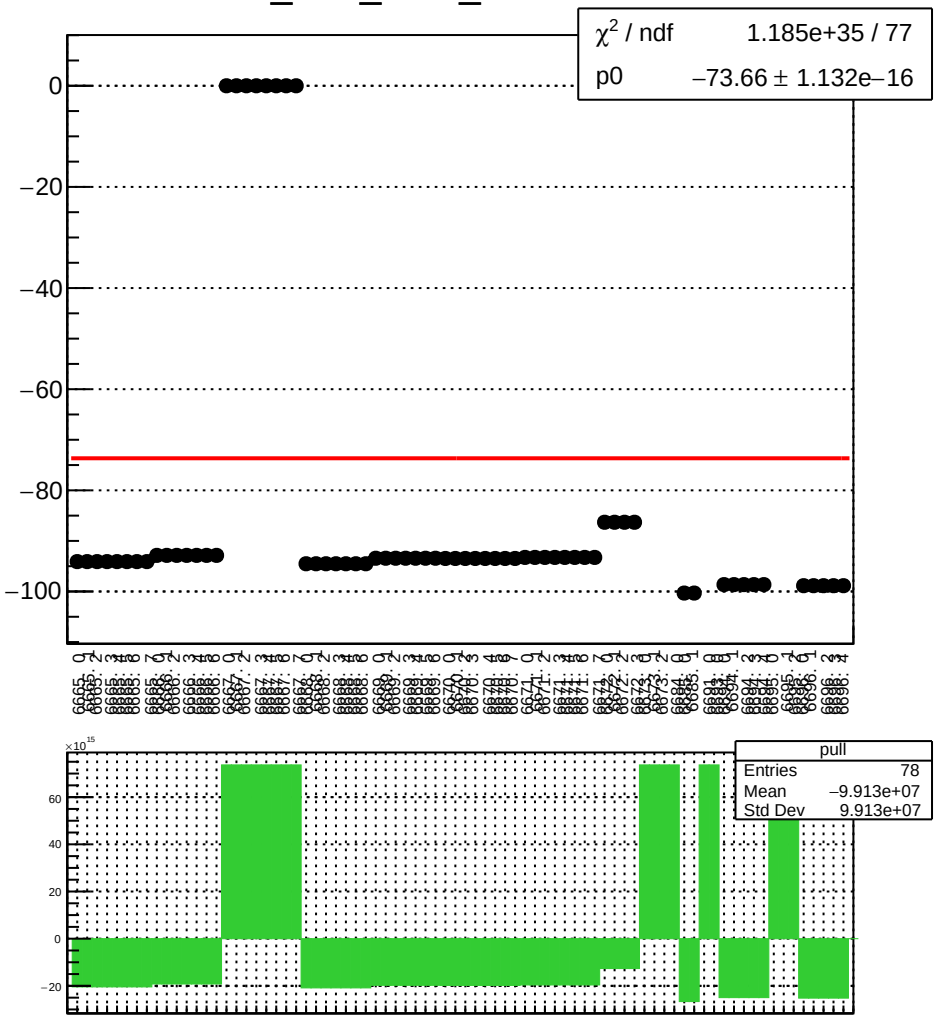


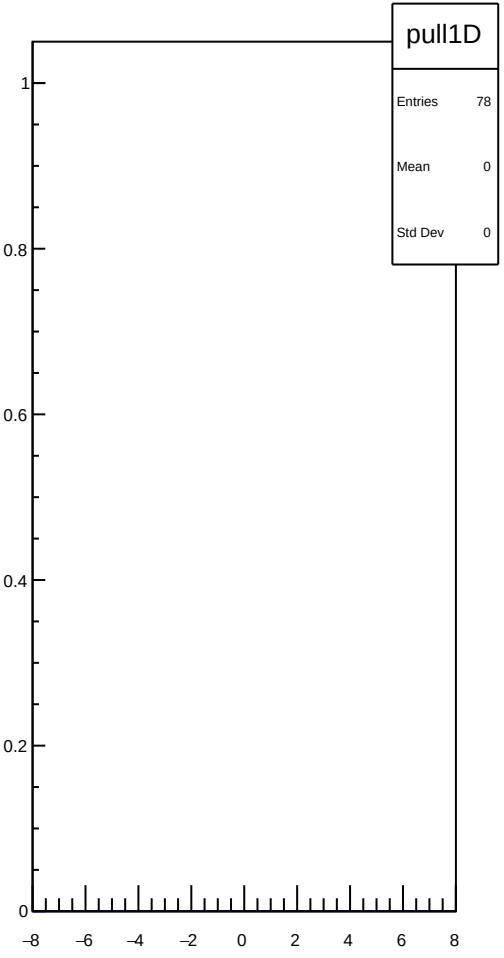
dit_4aX_coil3_Ndata_mean vs run



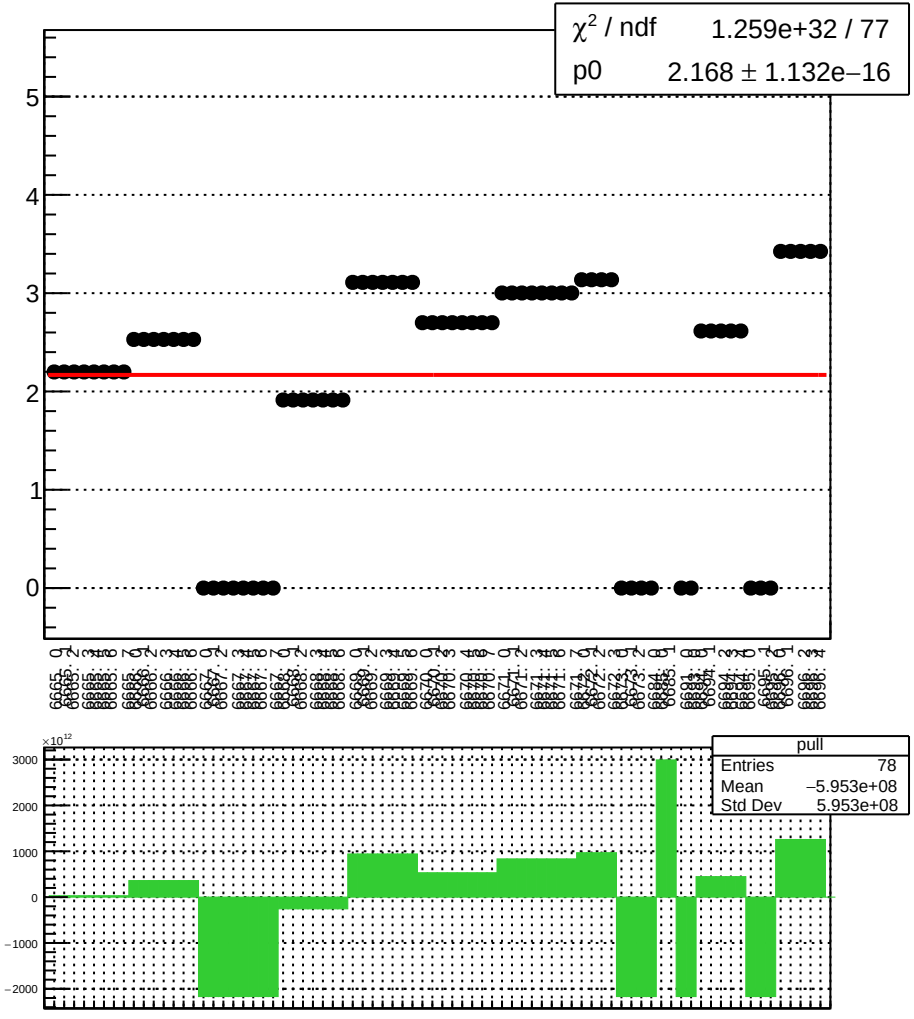


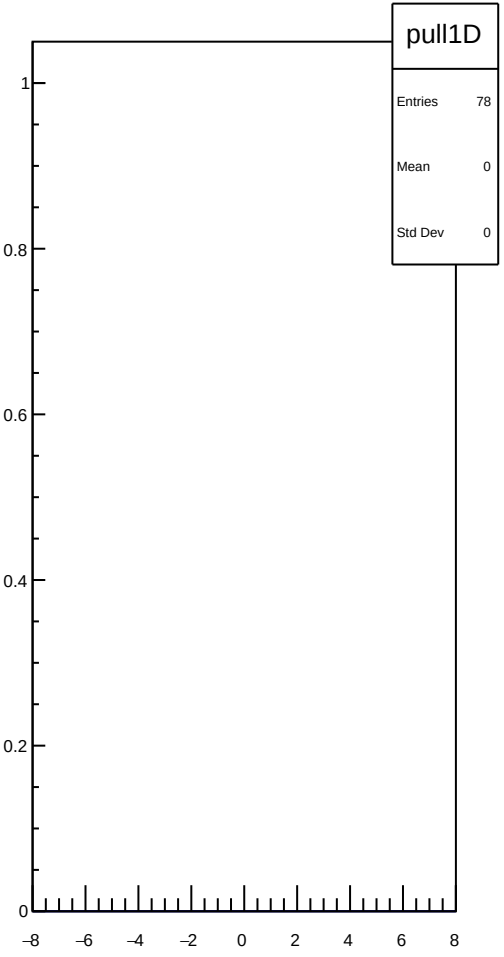
dit_4eX_coil3_mean vs run



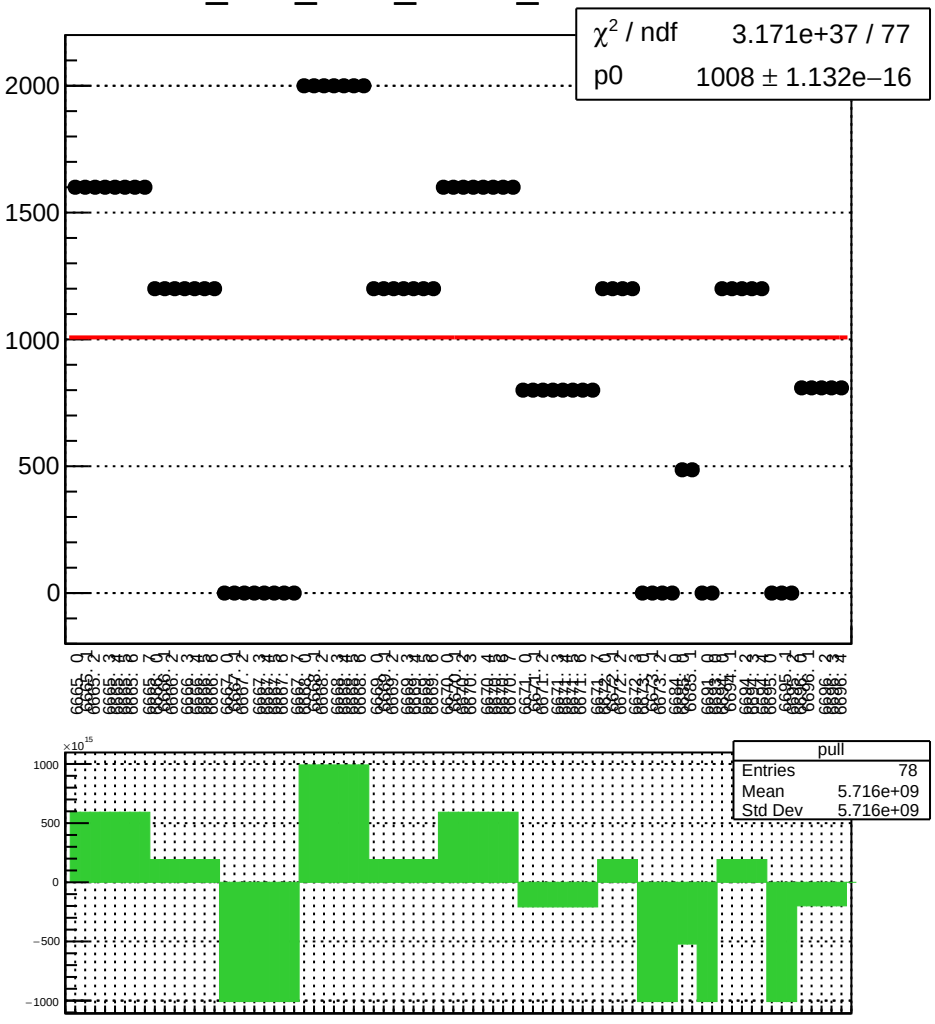


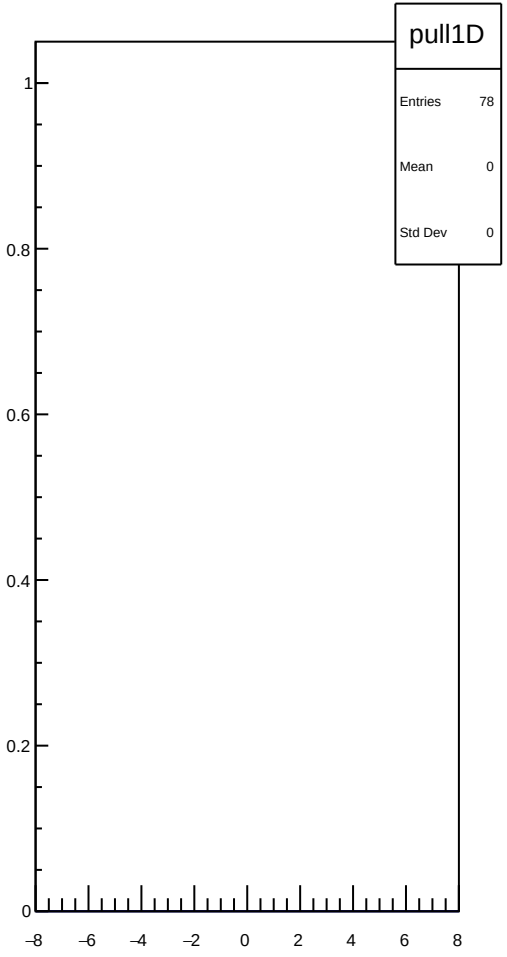
dit_4eX_coil3_err_mean vs run



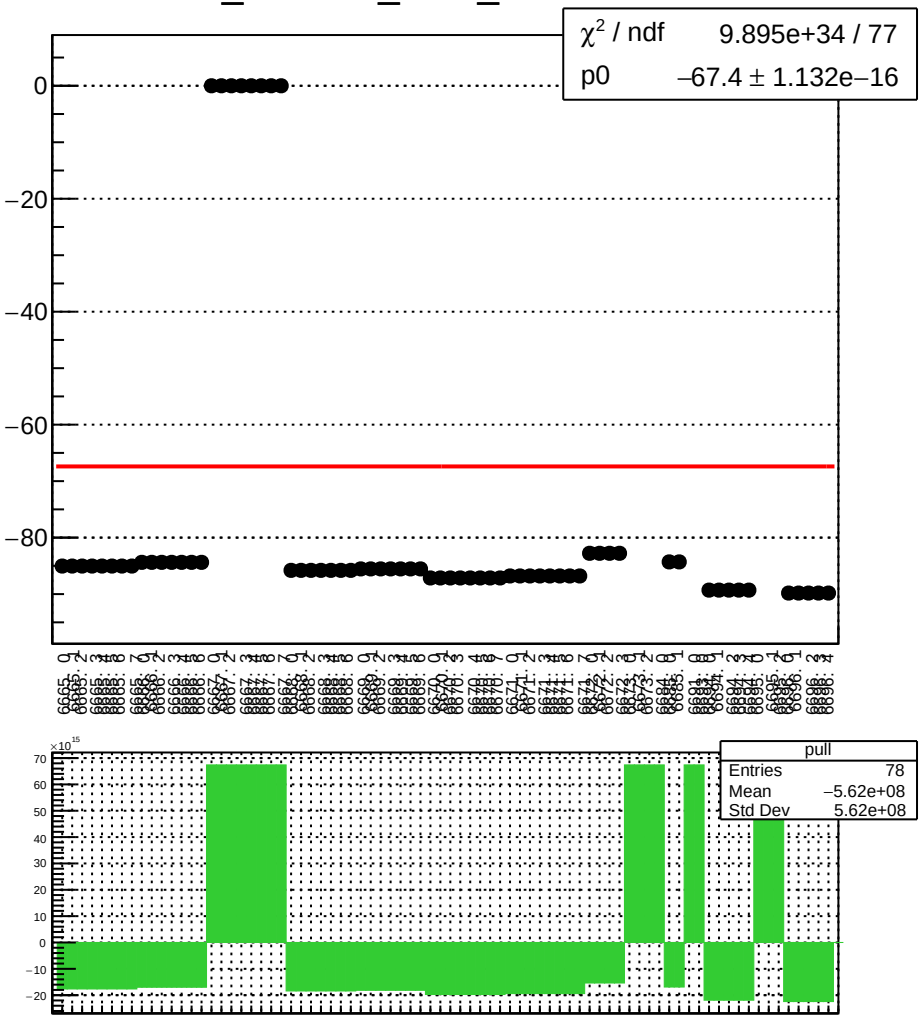


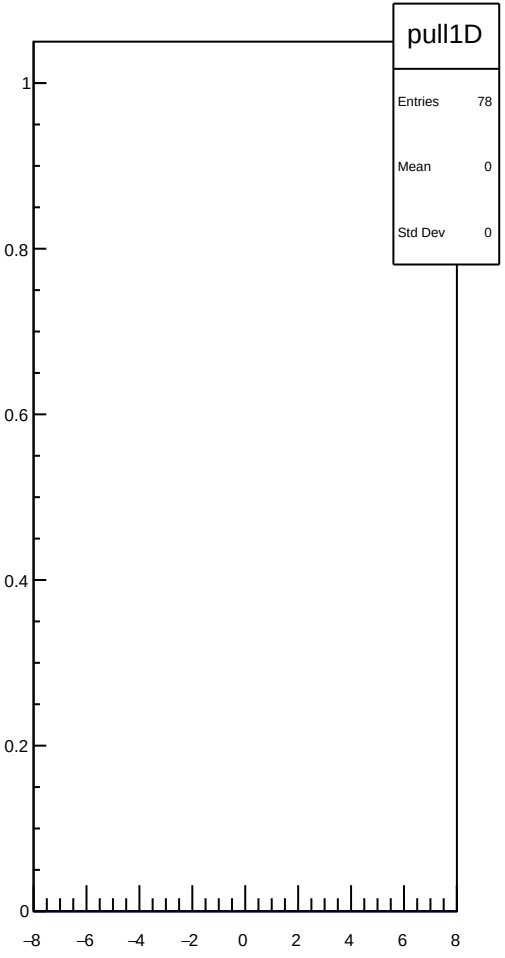
dit_4eX_coil3_Ndata_mean vs run



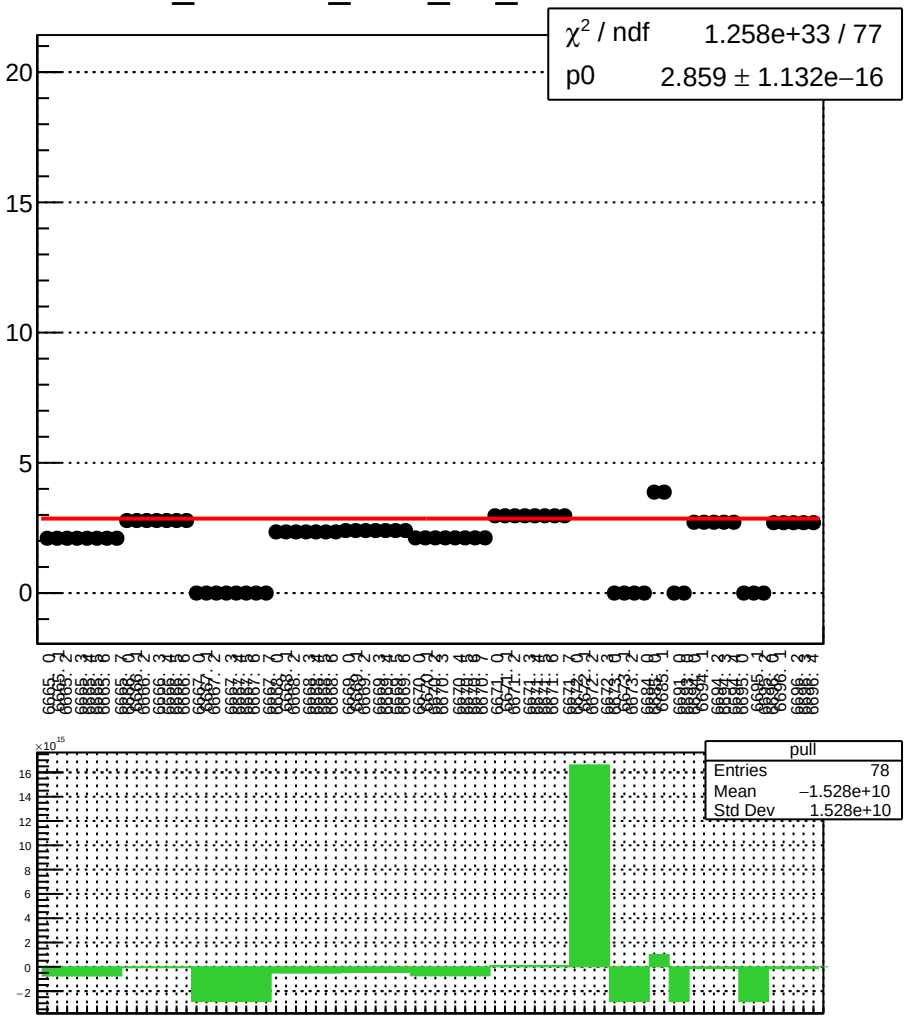


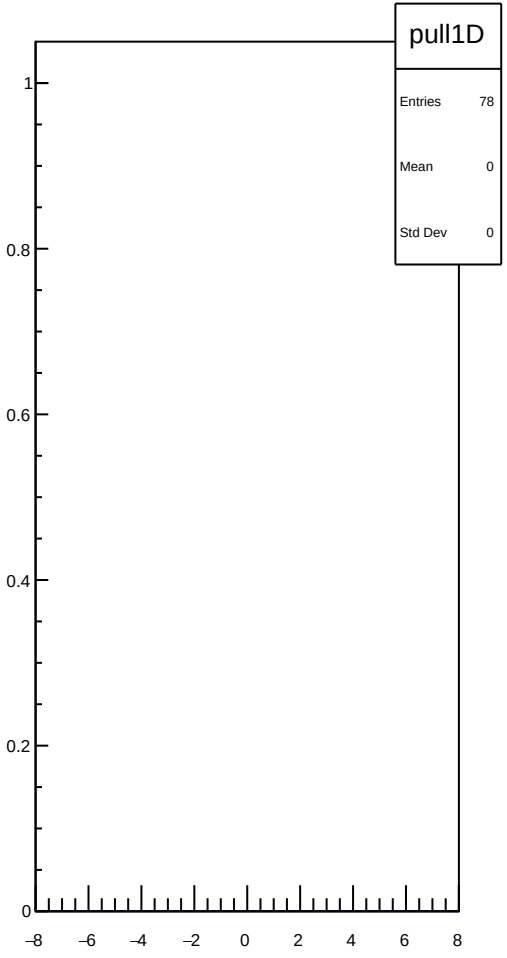
dit_11X12X_coil3_mean vs run



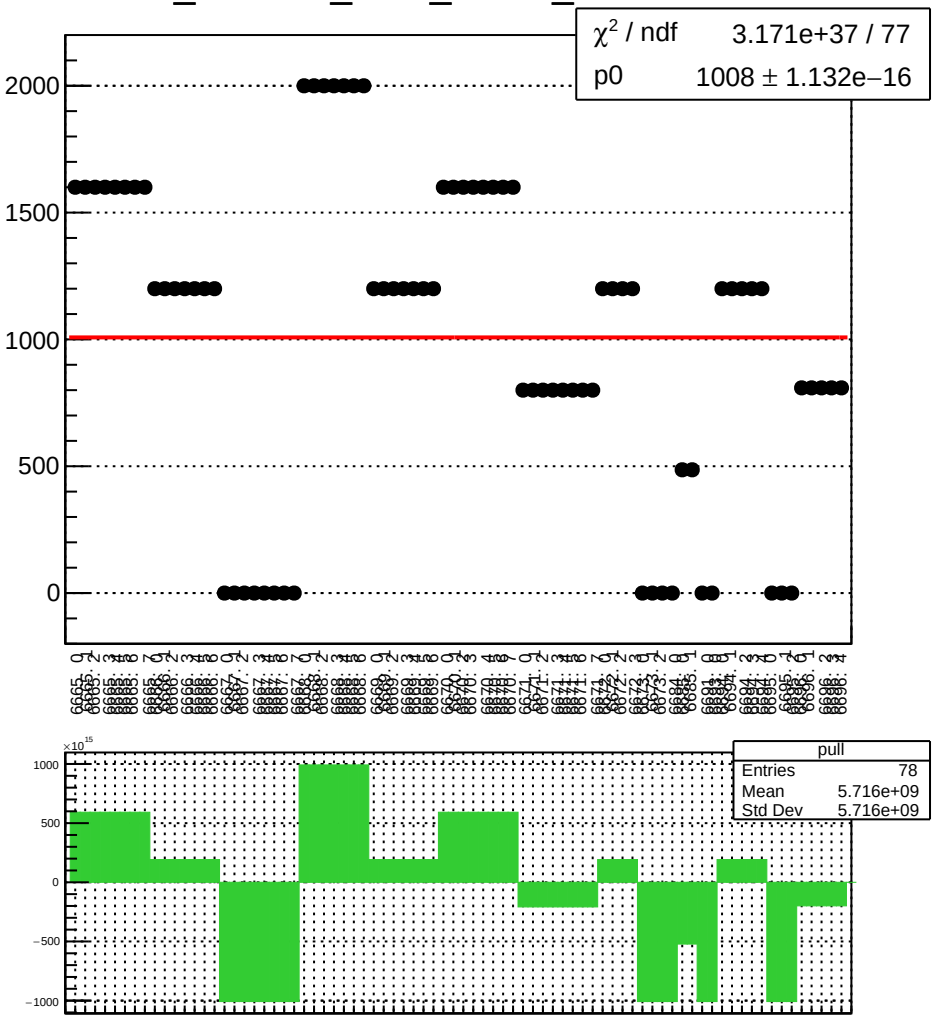


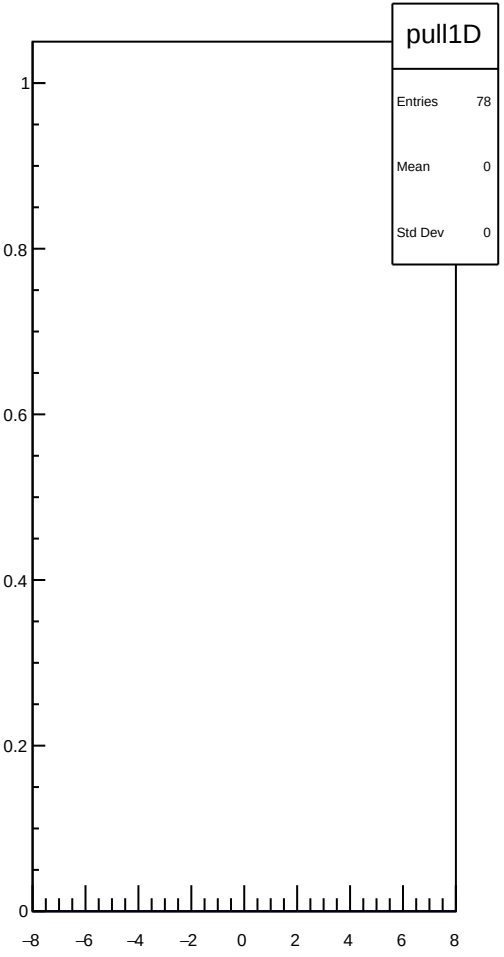
dit_11X12X_coil3_err_mean vs run



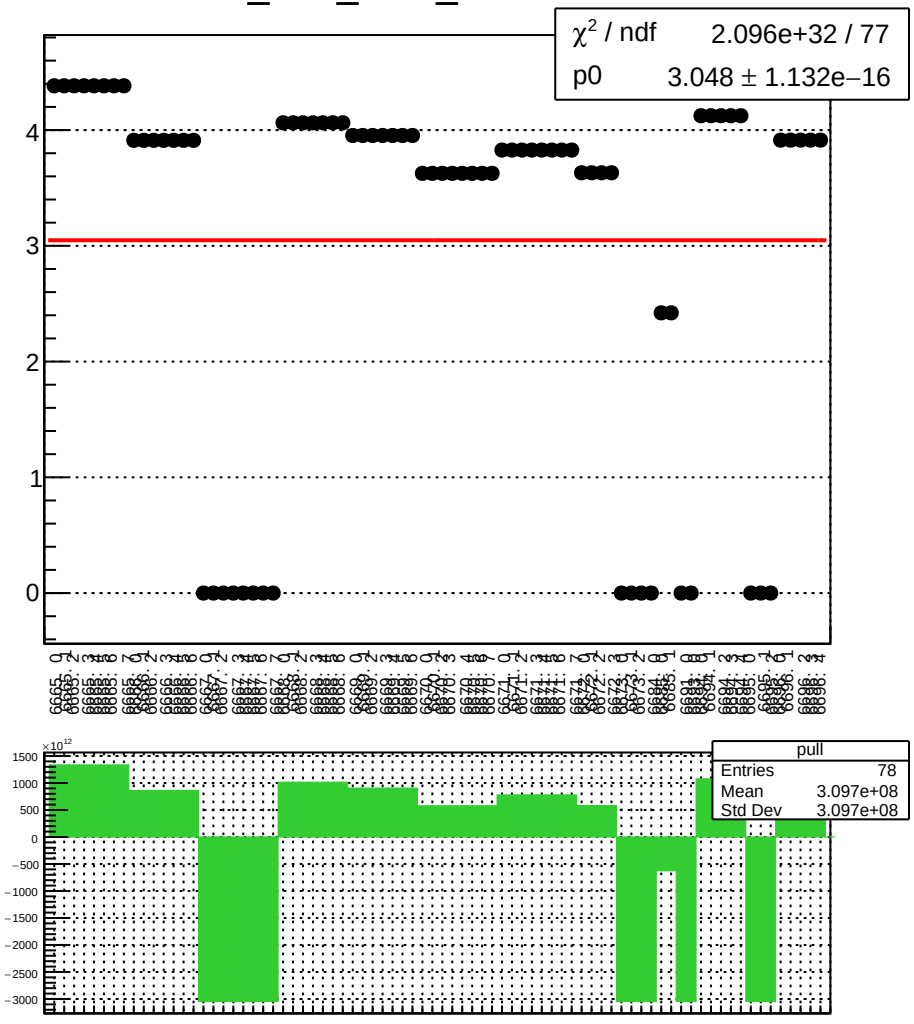


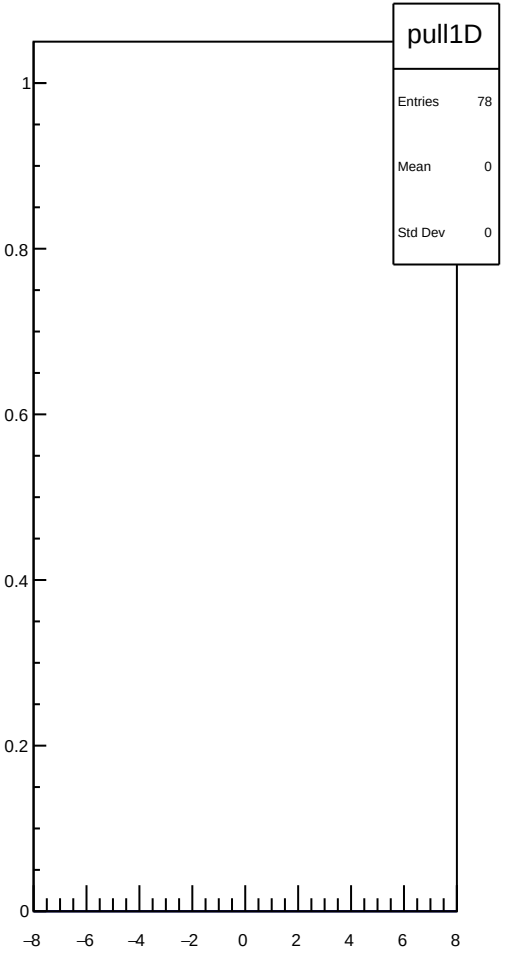
dit_11X12X_coil3_Ndata_mean vs run



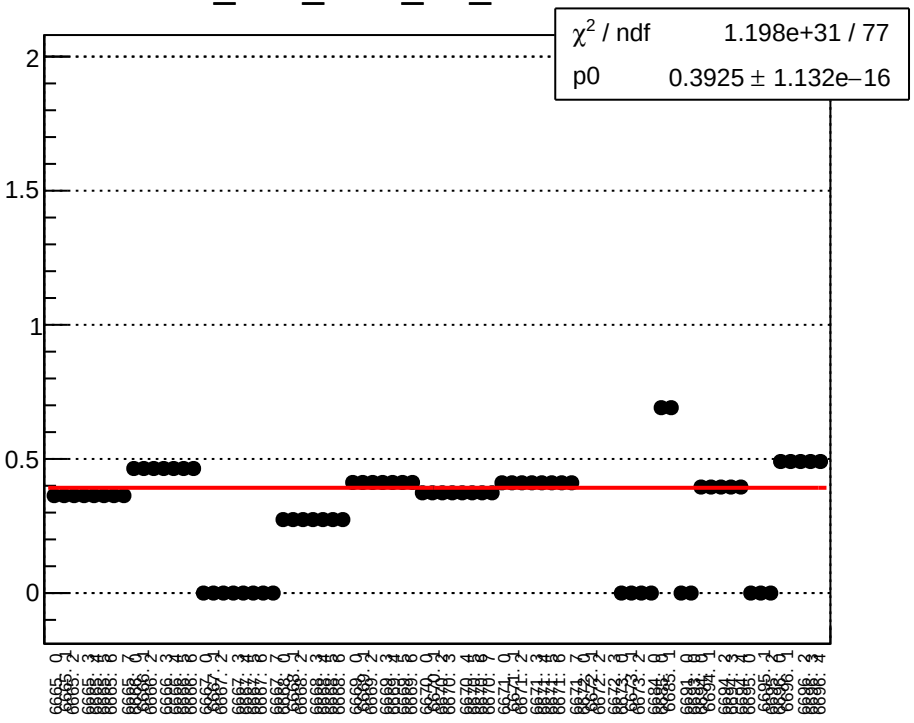


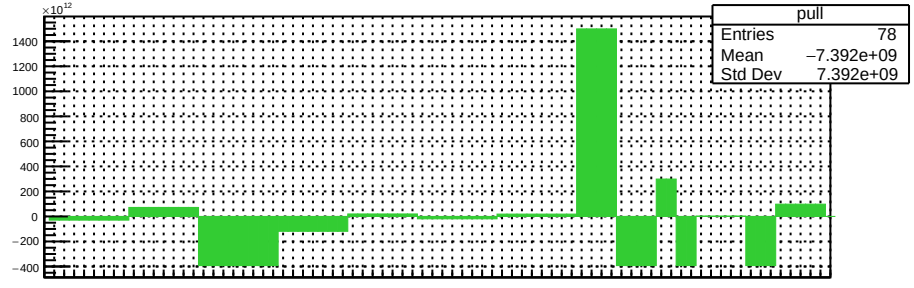
dit_4aY_coil3_mean vs run

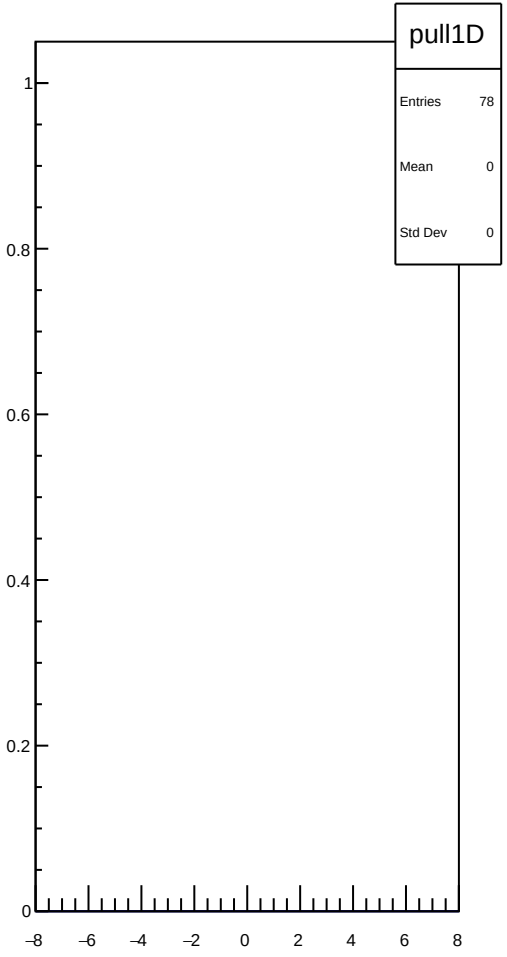




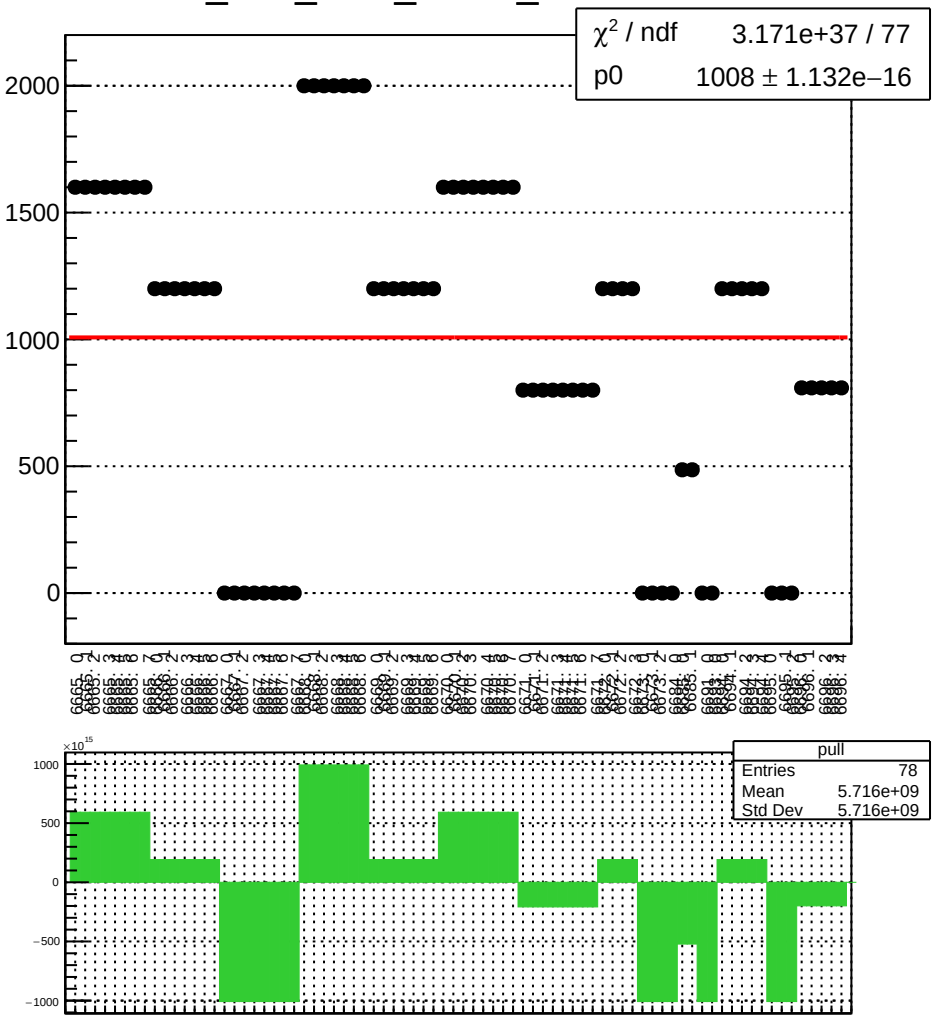
dit_4aY_coil3_err_mean vs run

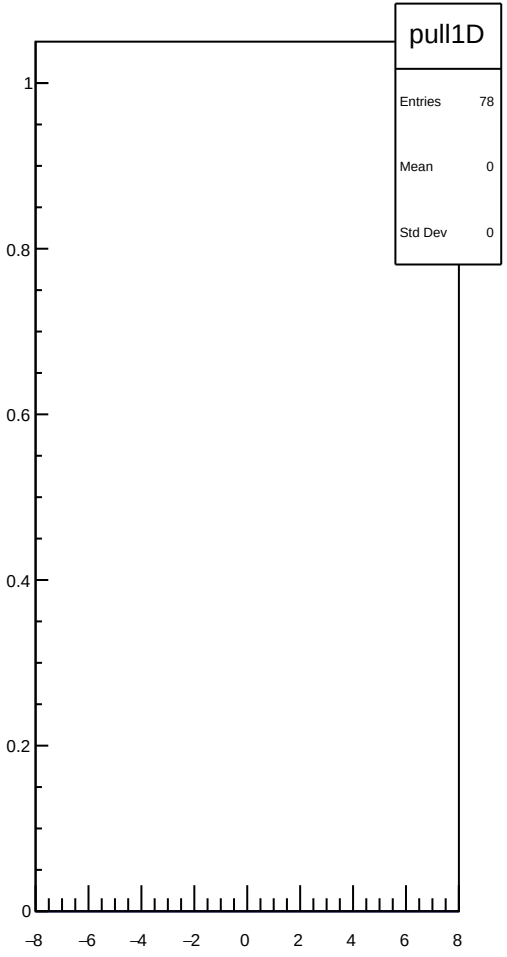




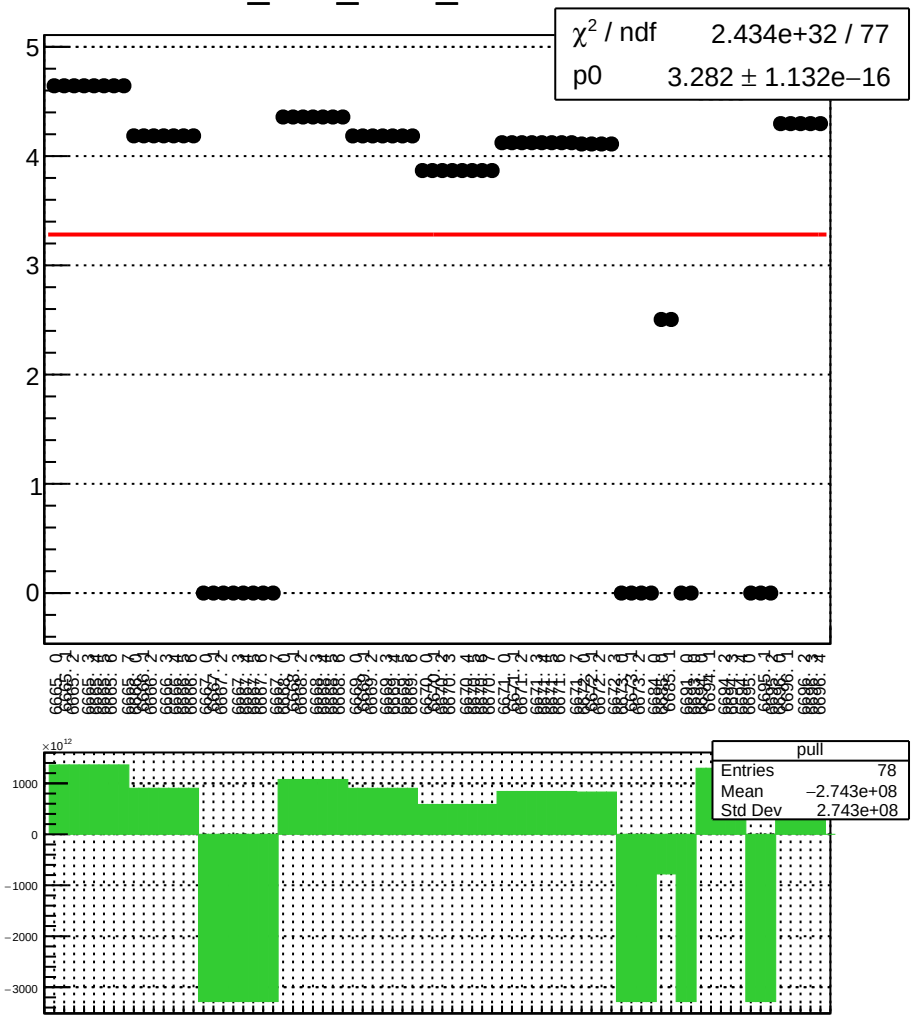


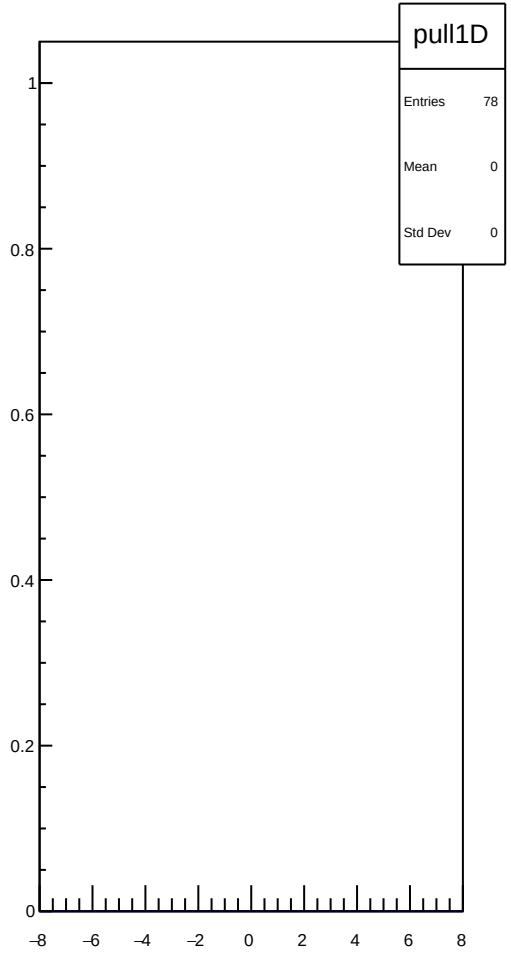
dit_4aY_coil3_Ndata_mean vs run



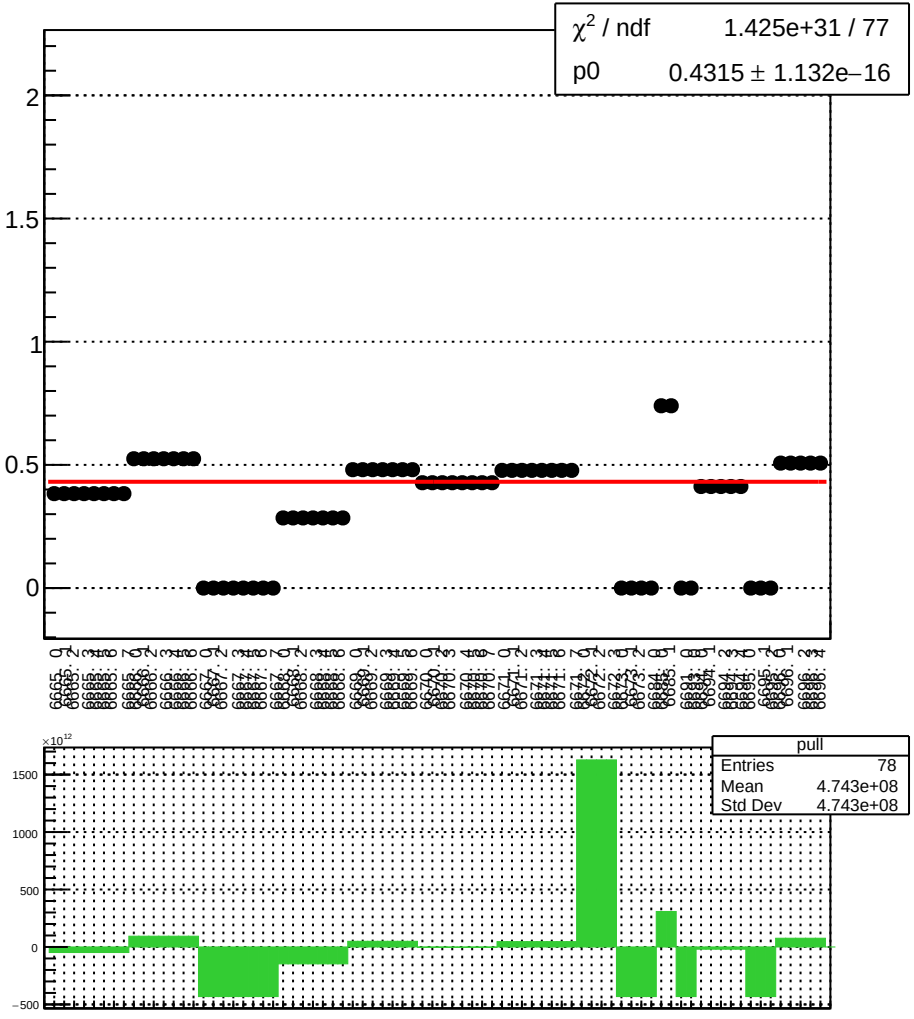


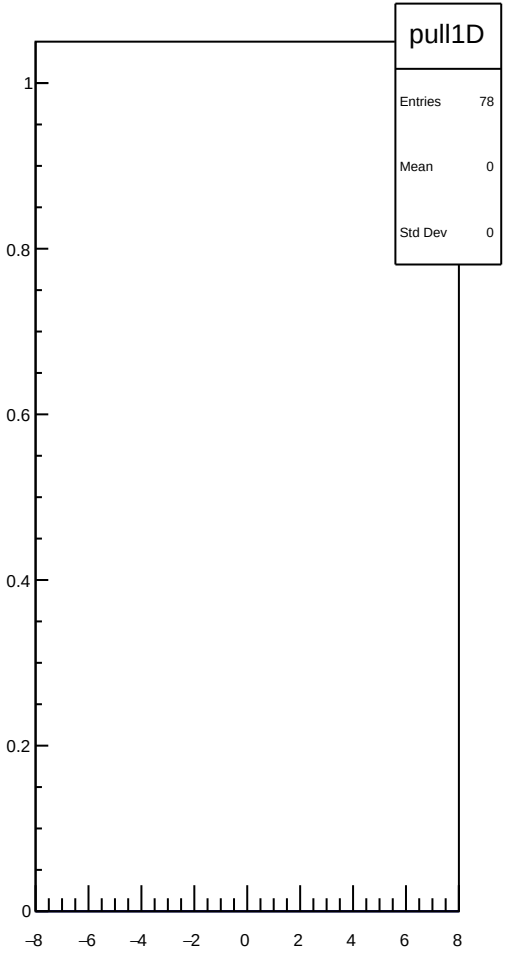
dit_4eY_coil3_mean vs run



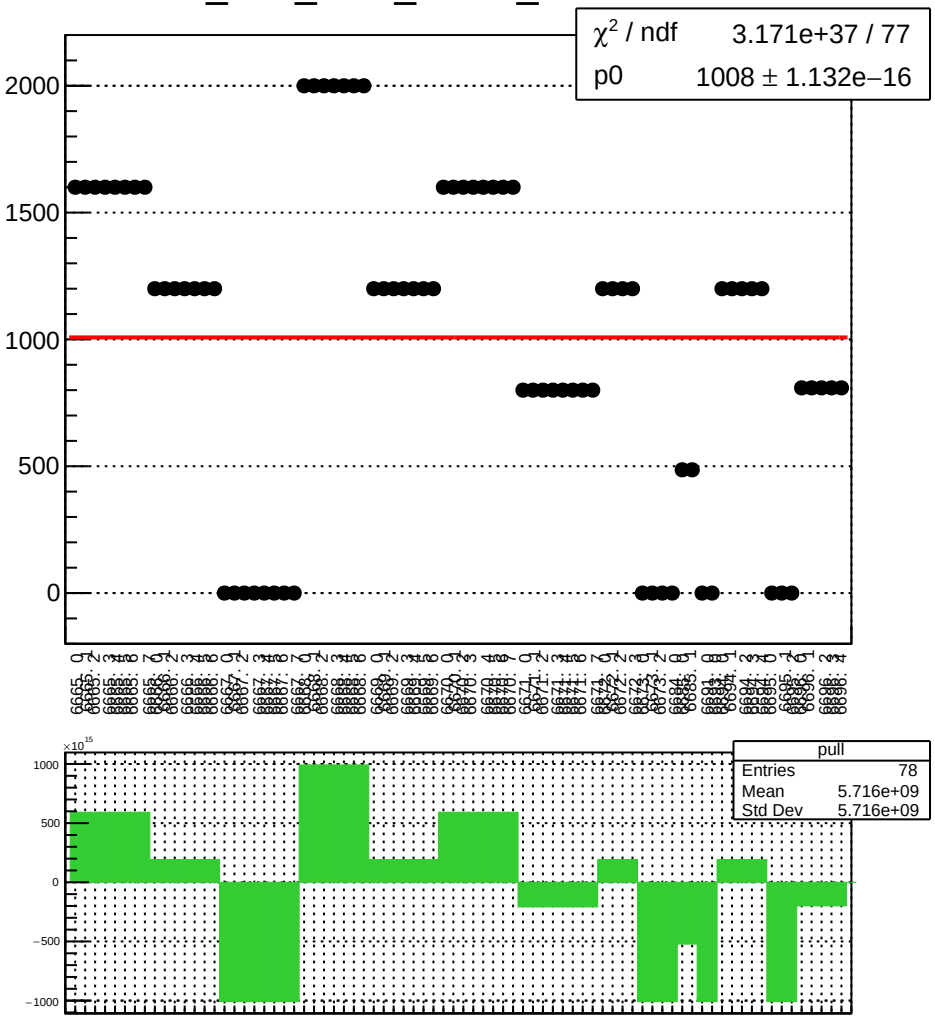


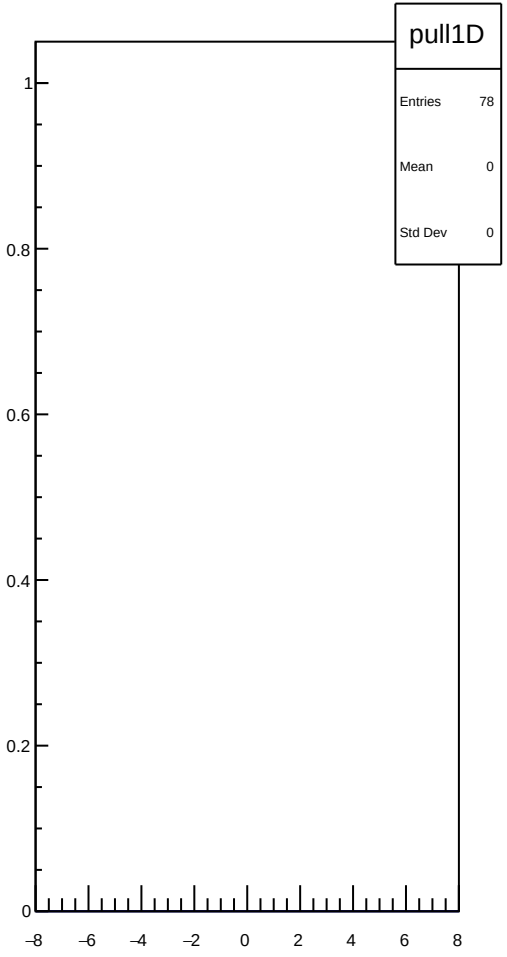
dit_4eY_coil3_err_mean vs run

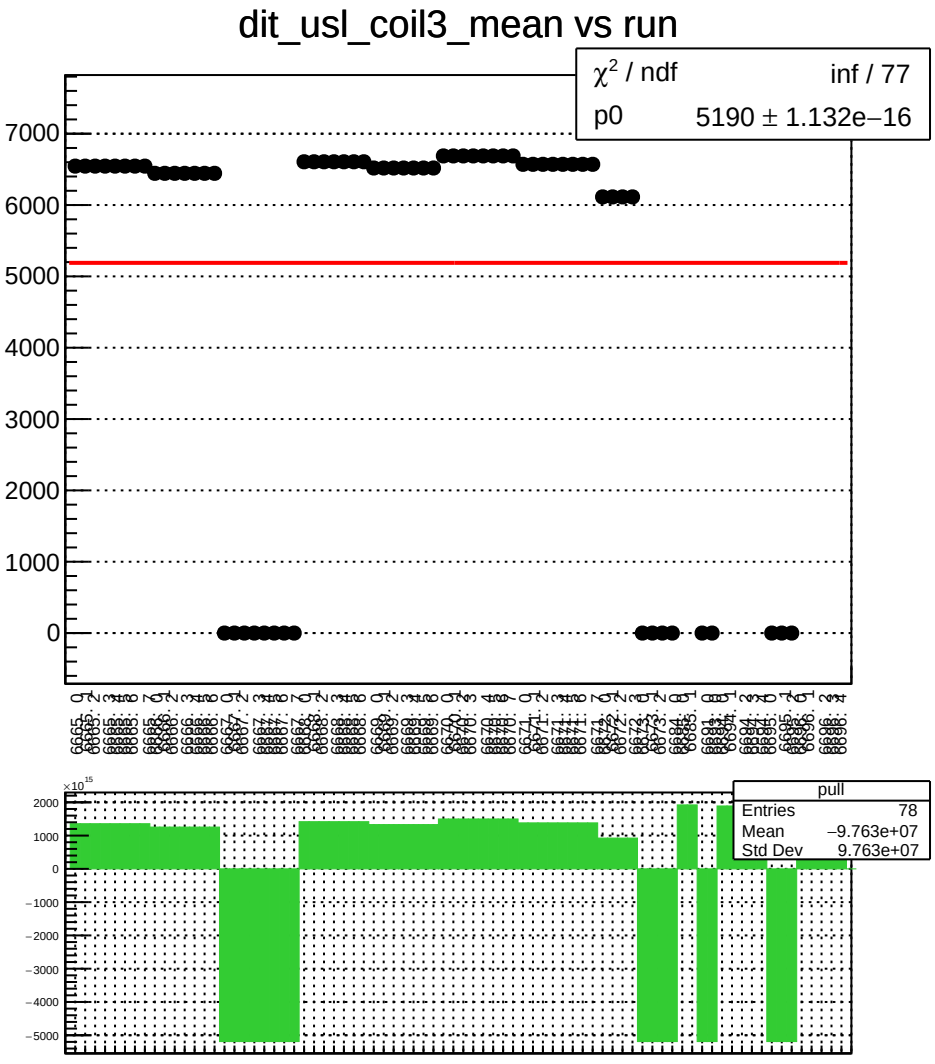


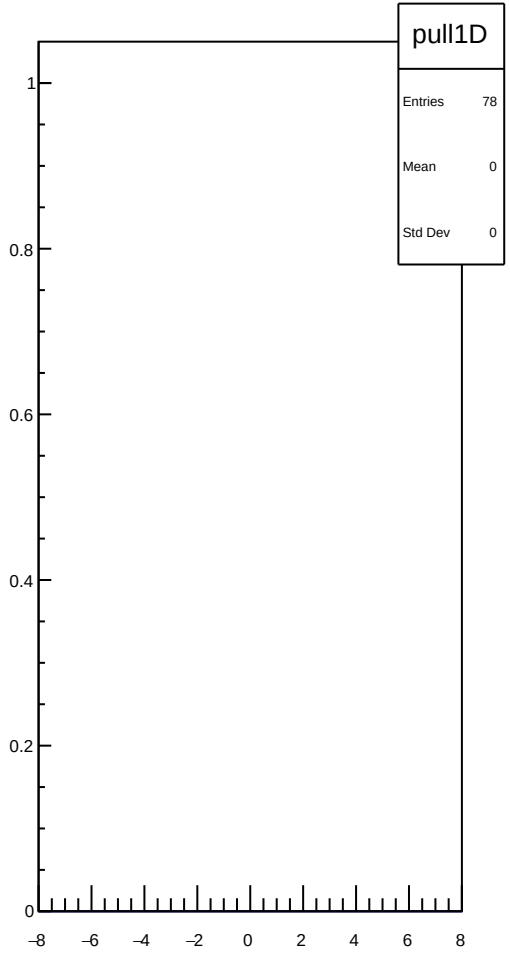


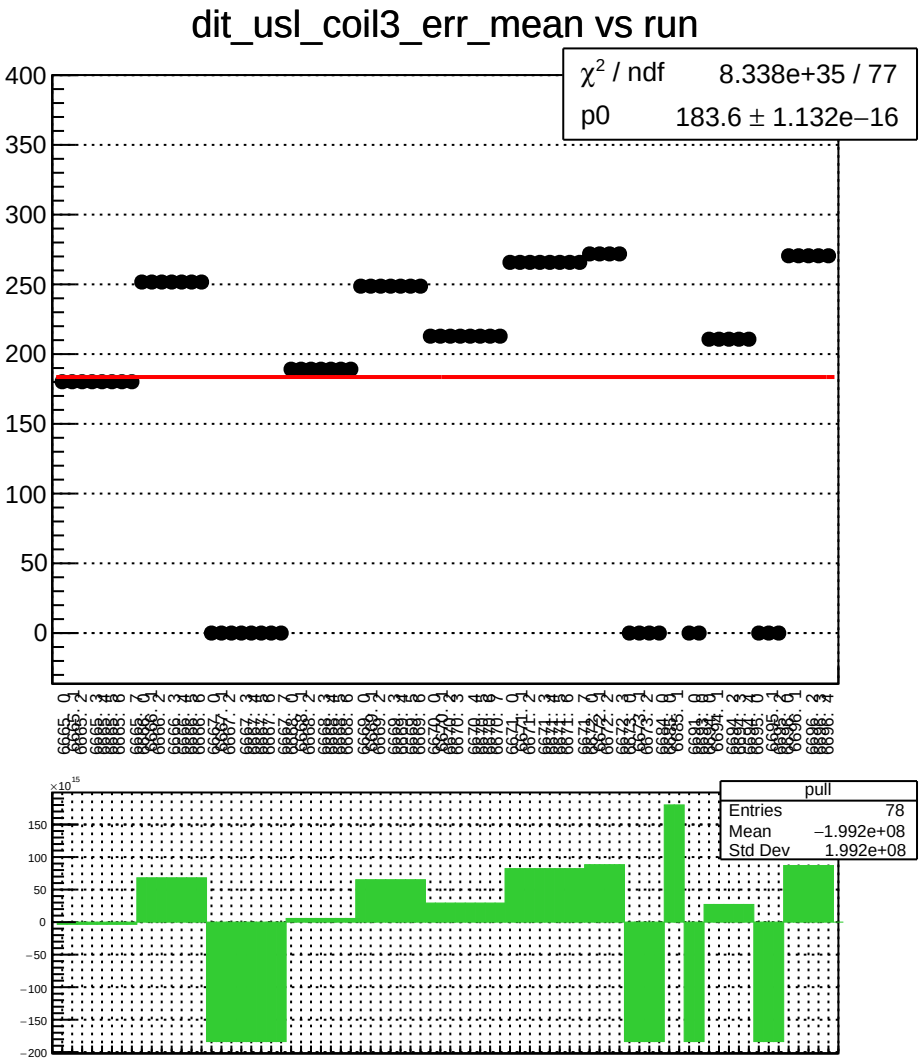
dit_4eY_coil3_Ndata_mean vs run

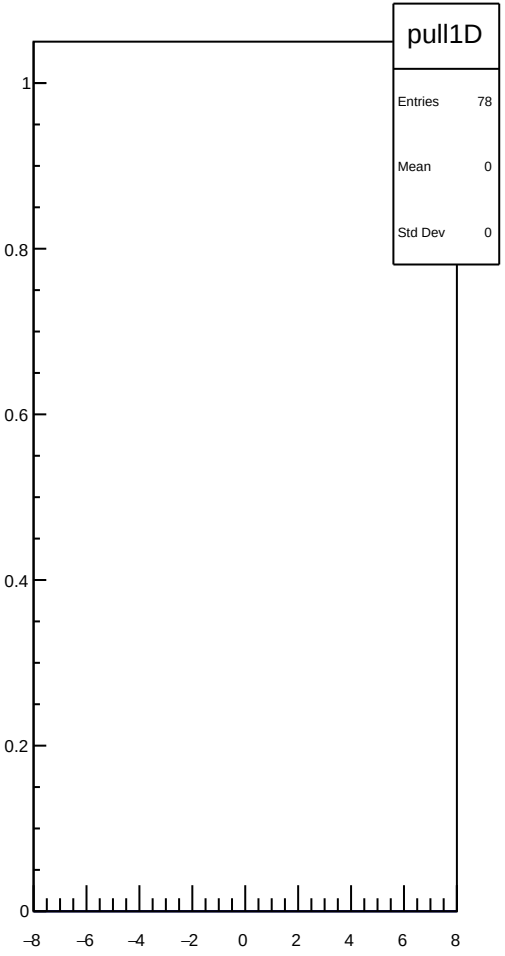


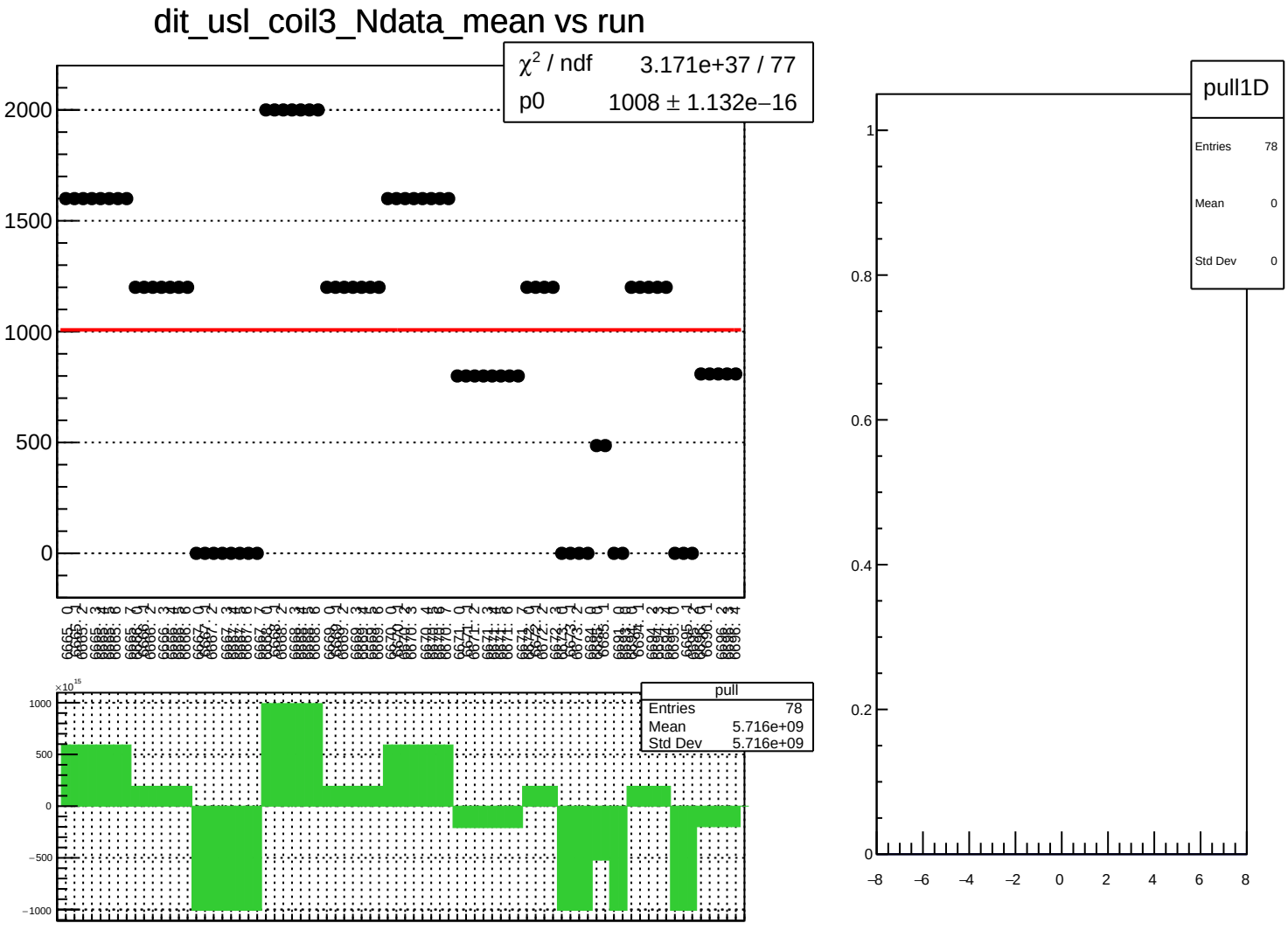



dit_usl_coil3_mean vs run
χ² / ndf inf / 77
p0 5190 ± 1.132e−16
pull
Entries 78
Mean −9.763e+07
Std Dev 9.763e+07

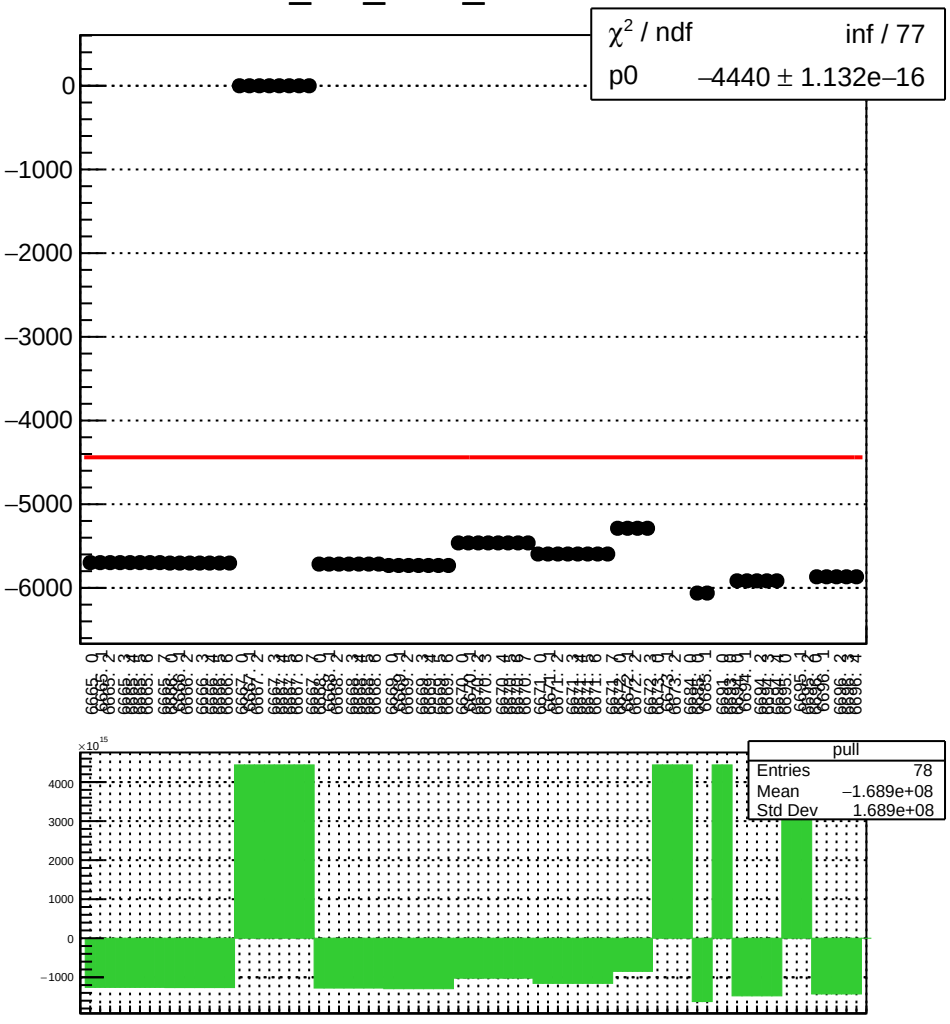

pull1D
Entries 78
Mean 0
Std Dev 0

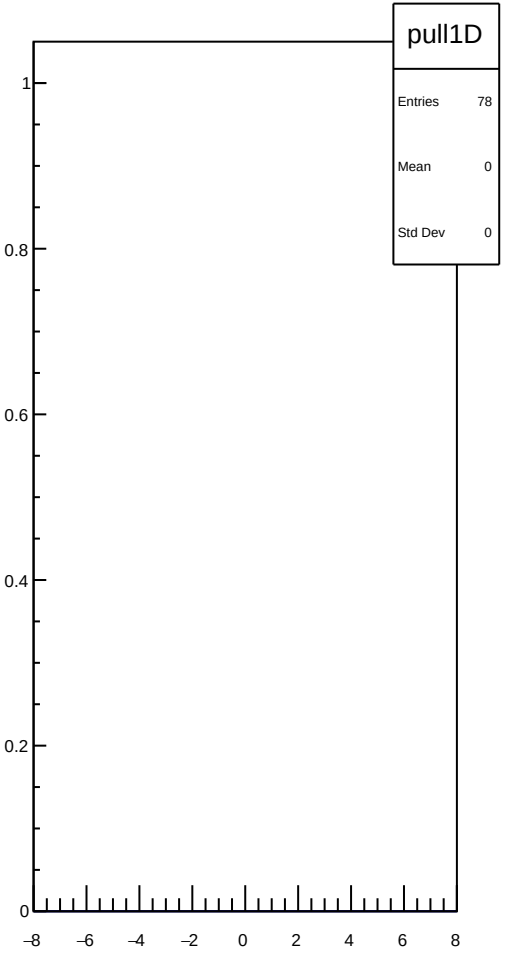

dit_usl_coil3_err_mean vs run
χ^2 / ndf 8.338e+35 / 77
p0 183.6 ± 1.132e−16
pull
Entries 78
Mean −1.992e+08
Std Dev 1.992e+08


pull1D
Entries 78
Mean 0
Std Dev 0

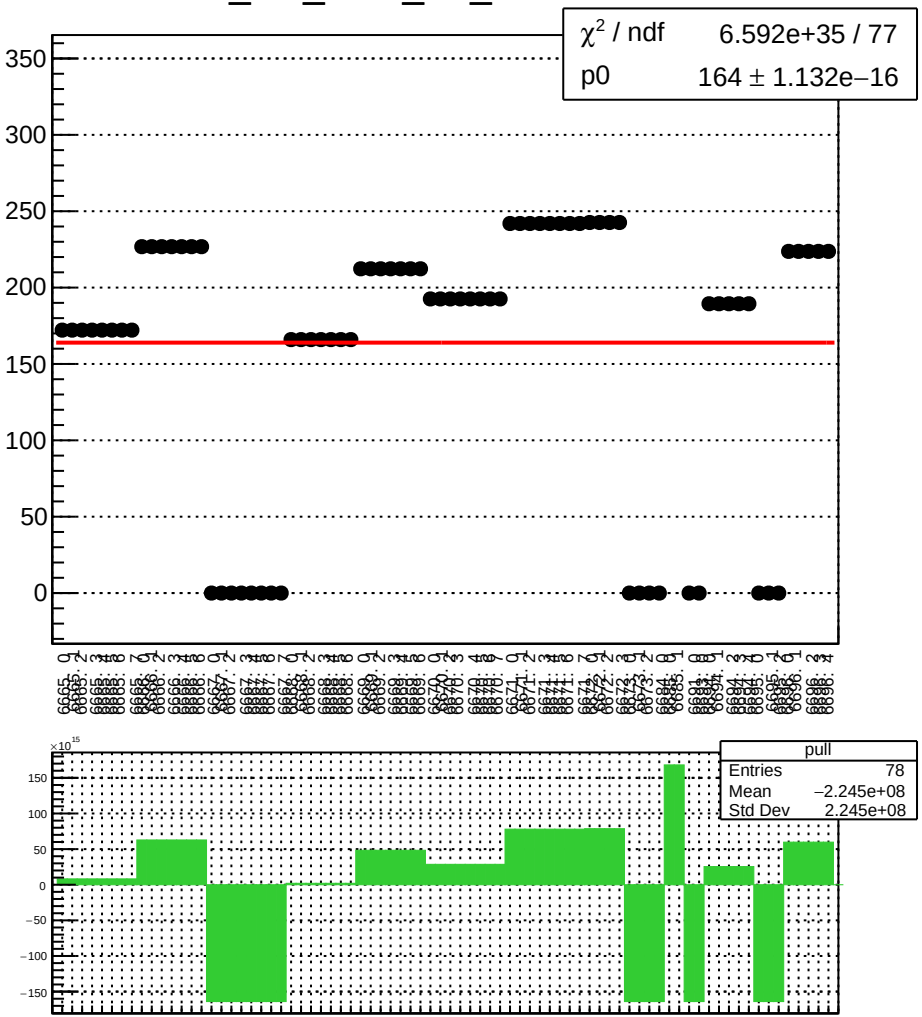

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

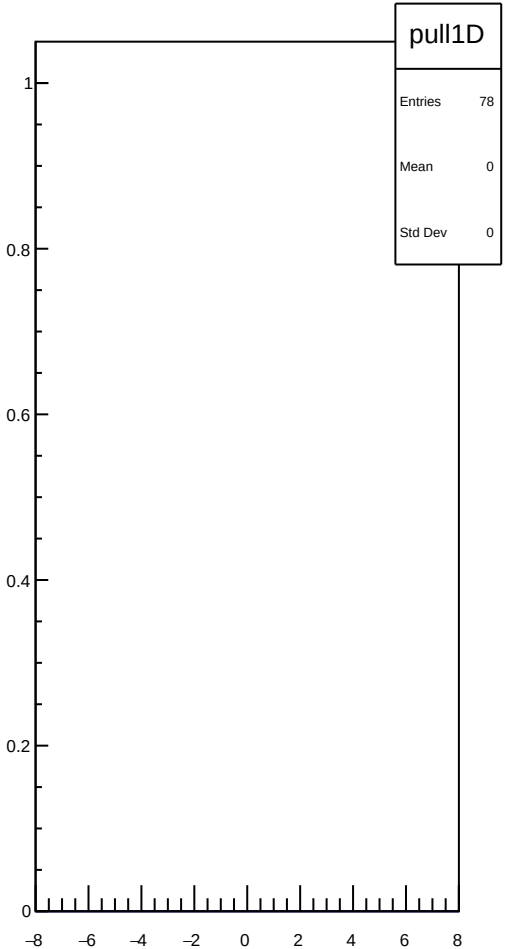
dit_usr_coil3_mean vs run

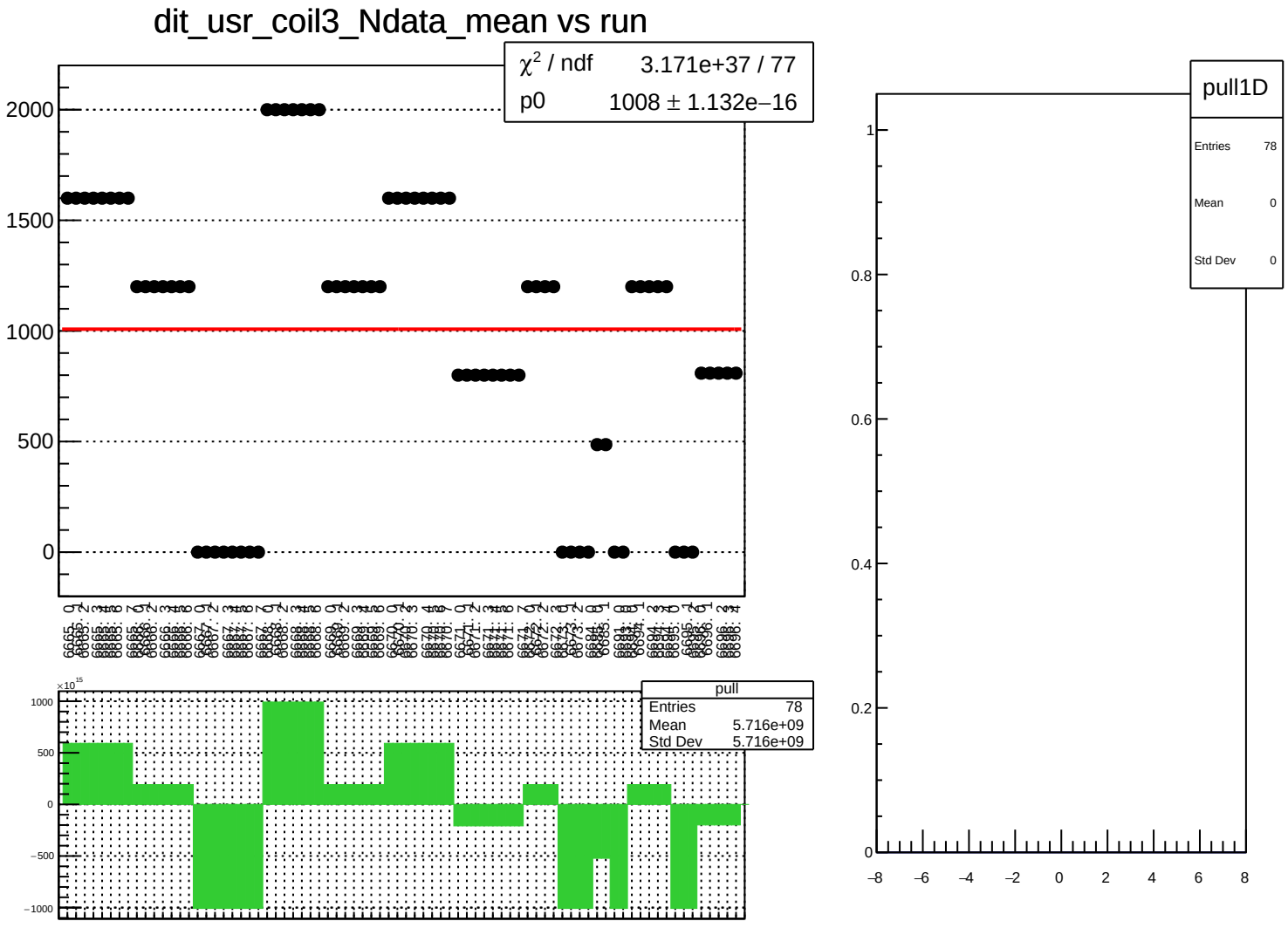


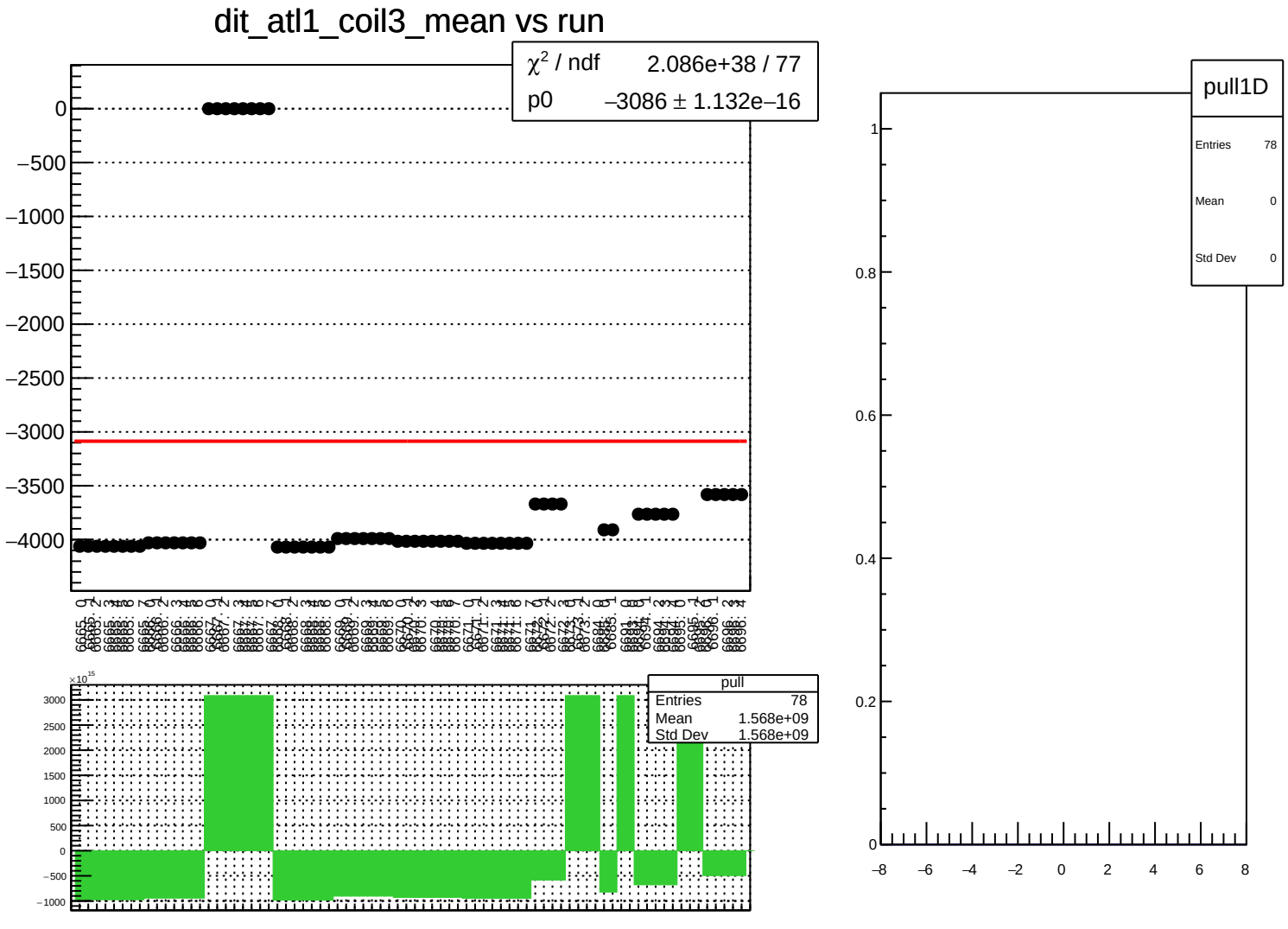


dit_usr_coil3_err_mean vs run

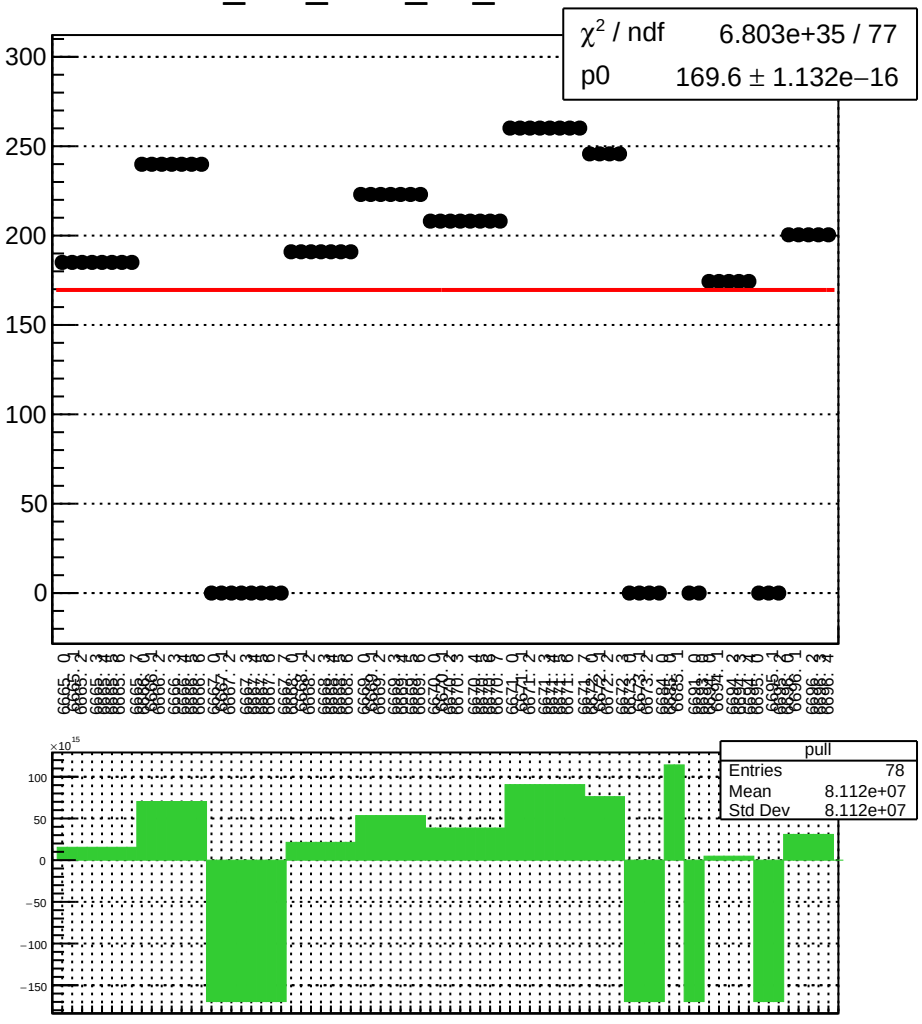


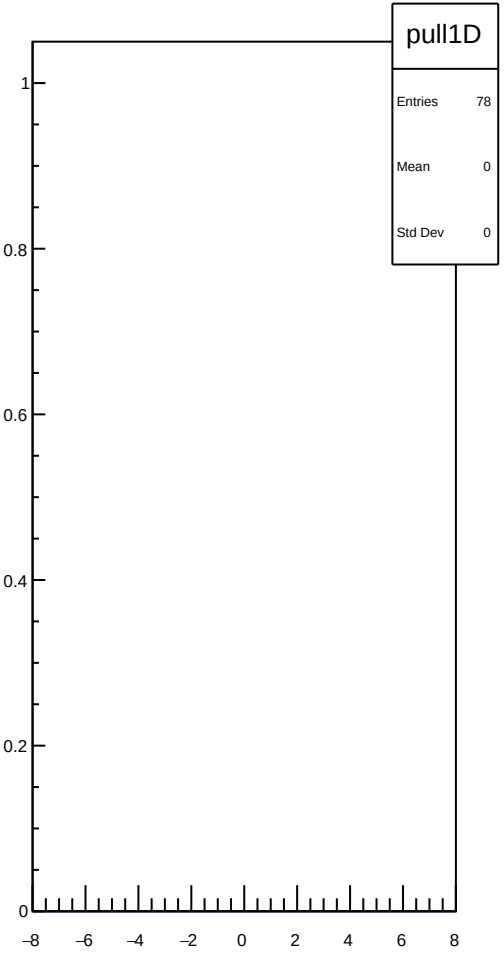


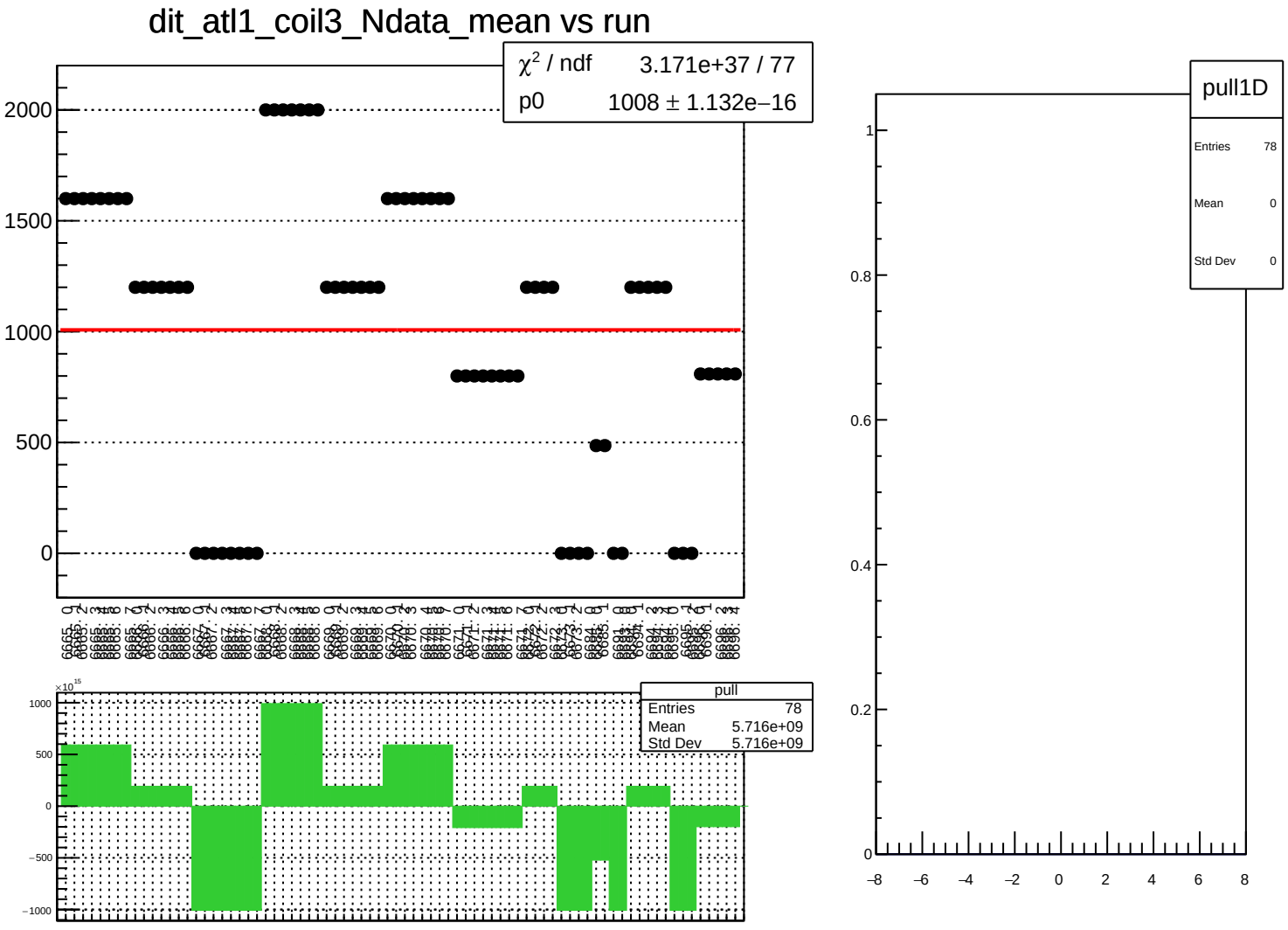

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

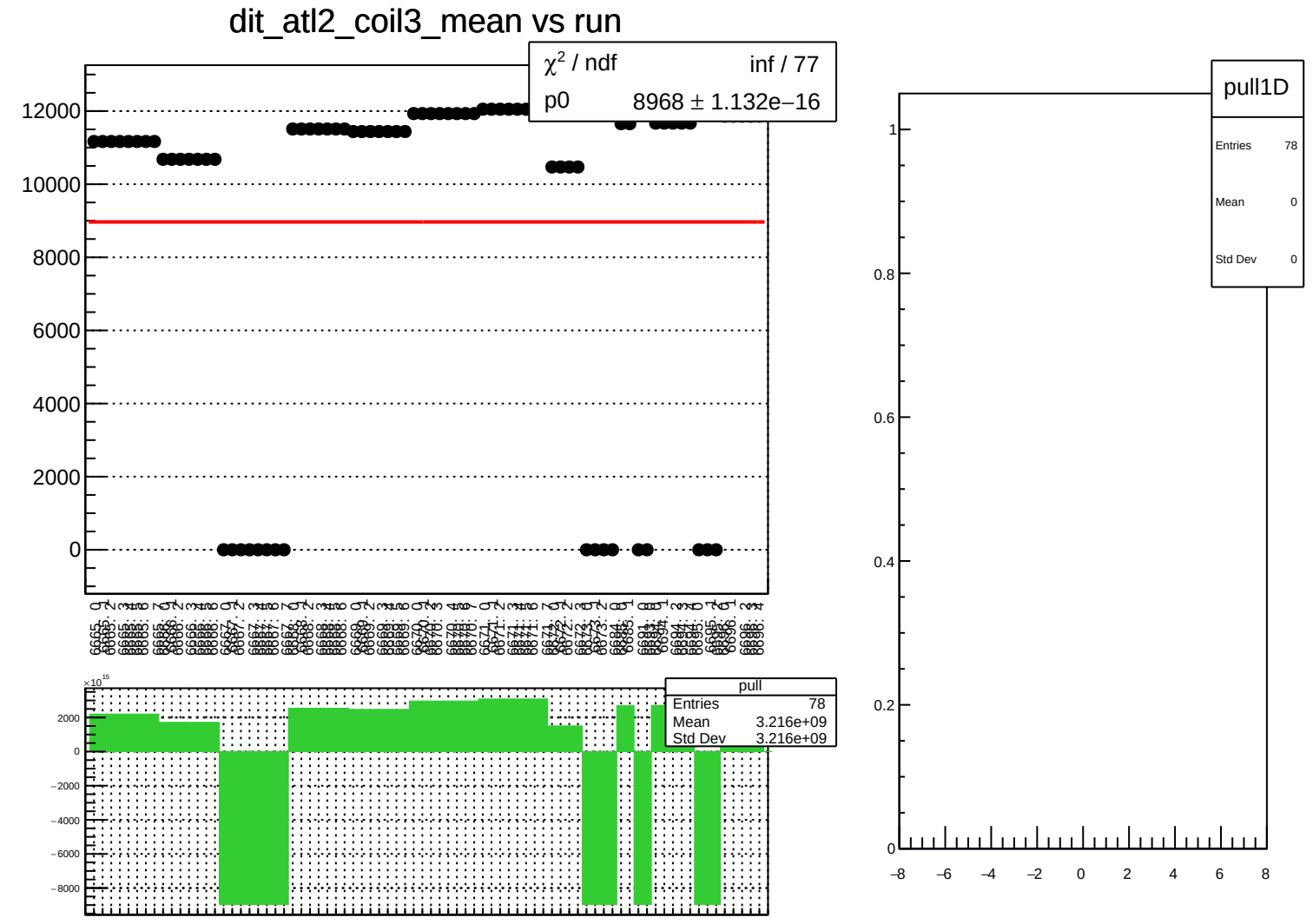

dit_atl1_coil3_mean vs run
χ² / ndf 2.086e+38 / 77
p0 −3086 ± 1.132e−16
pull
Entries 78
Mean 1.568e+09
Std Dev 1.568e+09
pull1D
Entries 78
Mean 0
Std Dev 0

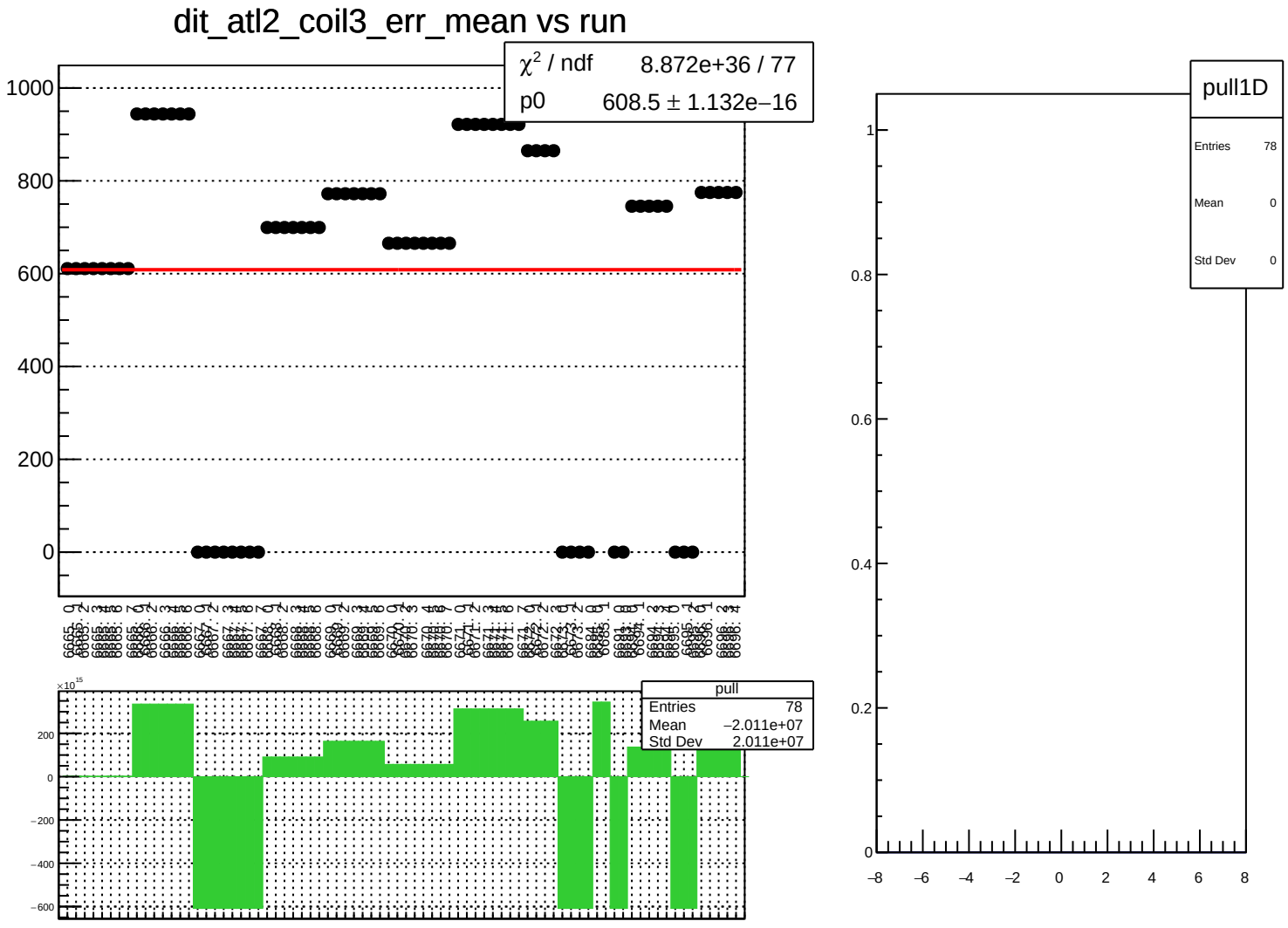
dit_atl1_coil3_err_mean vs run



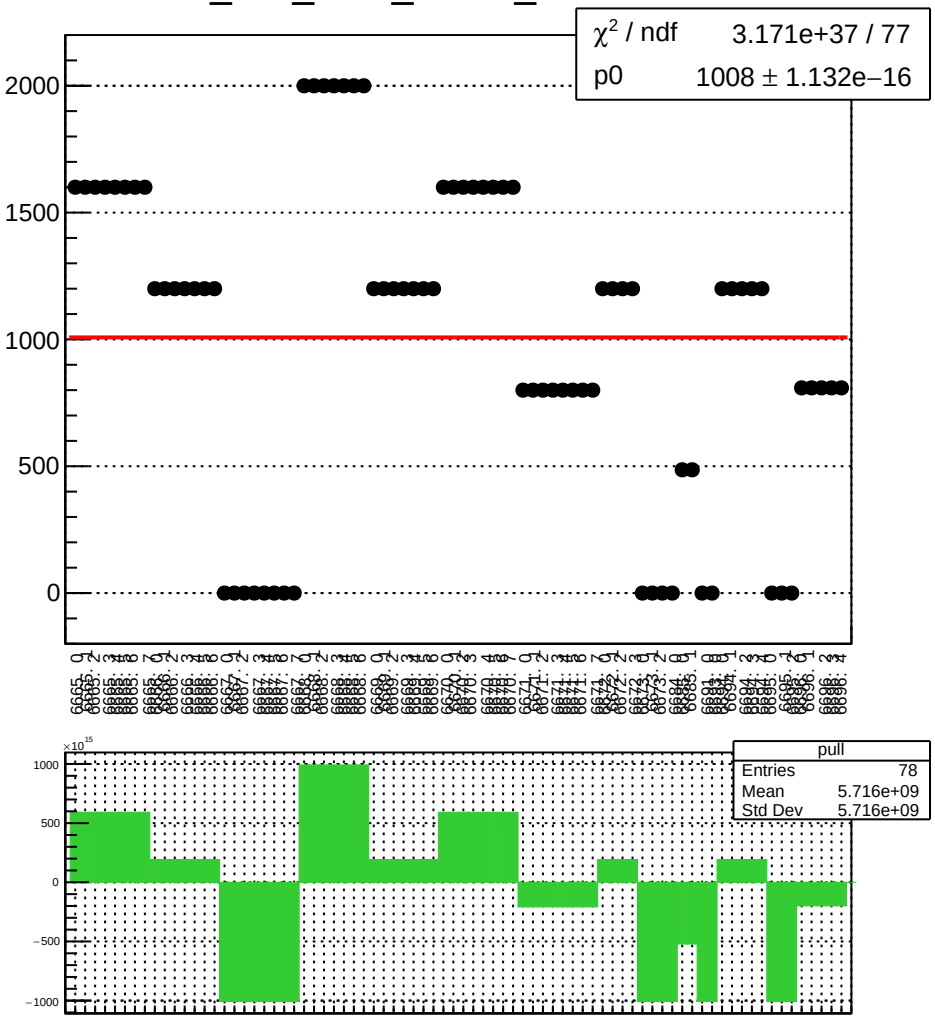


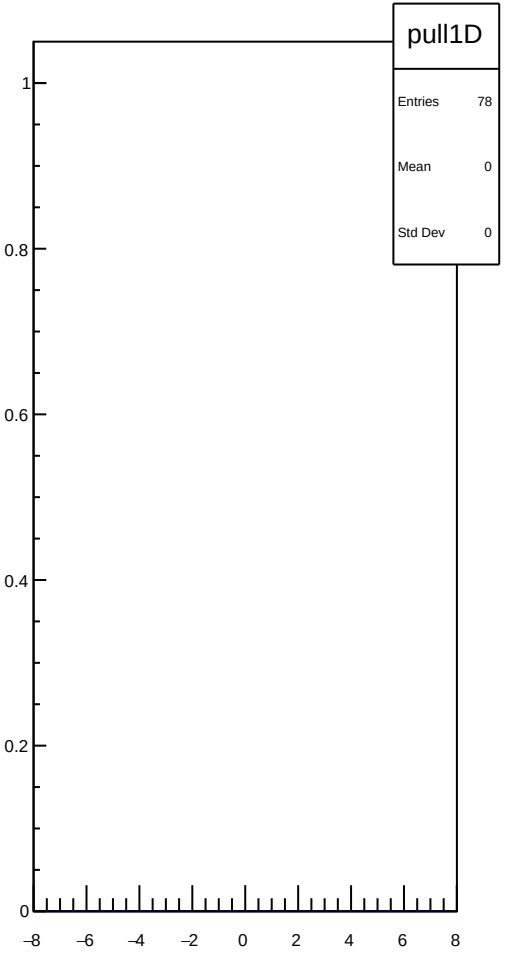

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

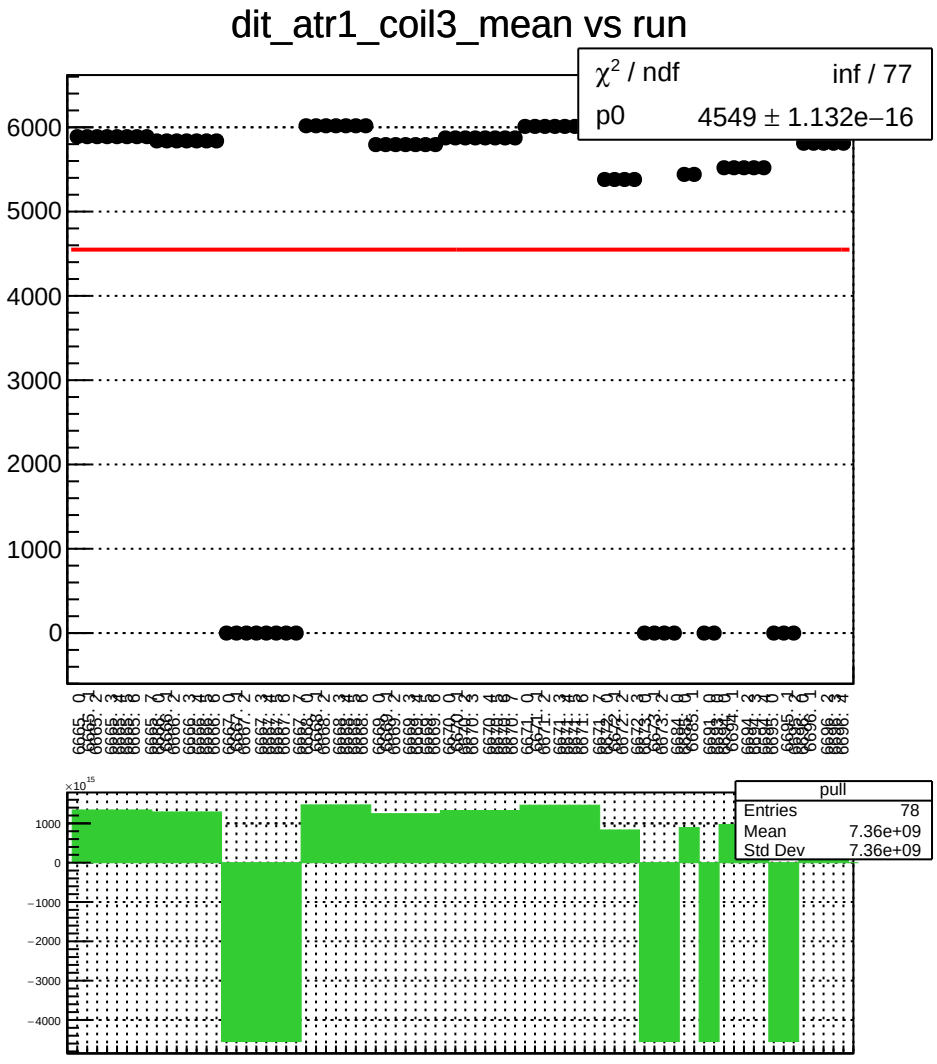

dit_atl2_coil3_mean vs run
χ² / ndf inf / 77
p0 8968 ± 1.132e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean 3.216e+09
Std Dev 3.216e+09
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

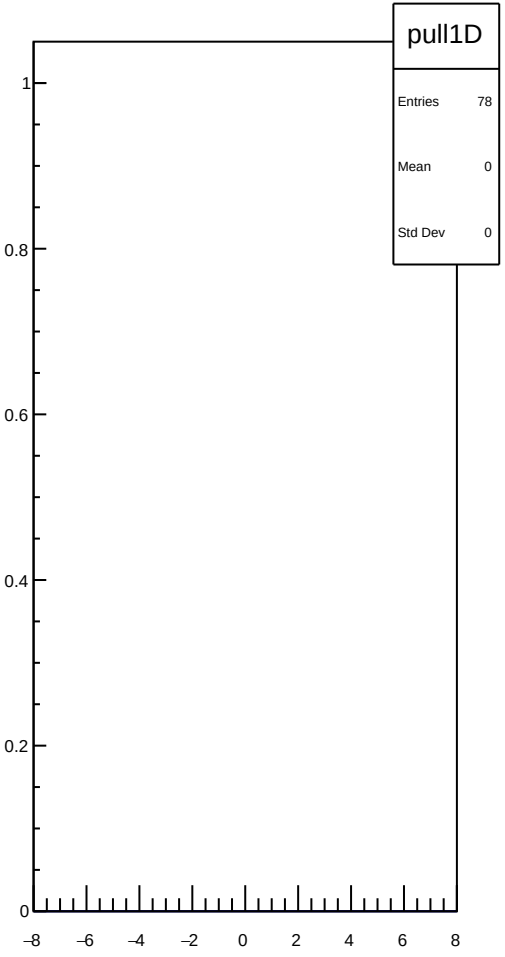

dit_atl2_coil3_err_mean vs run
χ² / ndf 8.872e+36 / 77
p0 608.5 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −2.011e+07
Std Dev 2.011e+07
×10¹⁵
200
0
−200
−400
−600
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

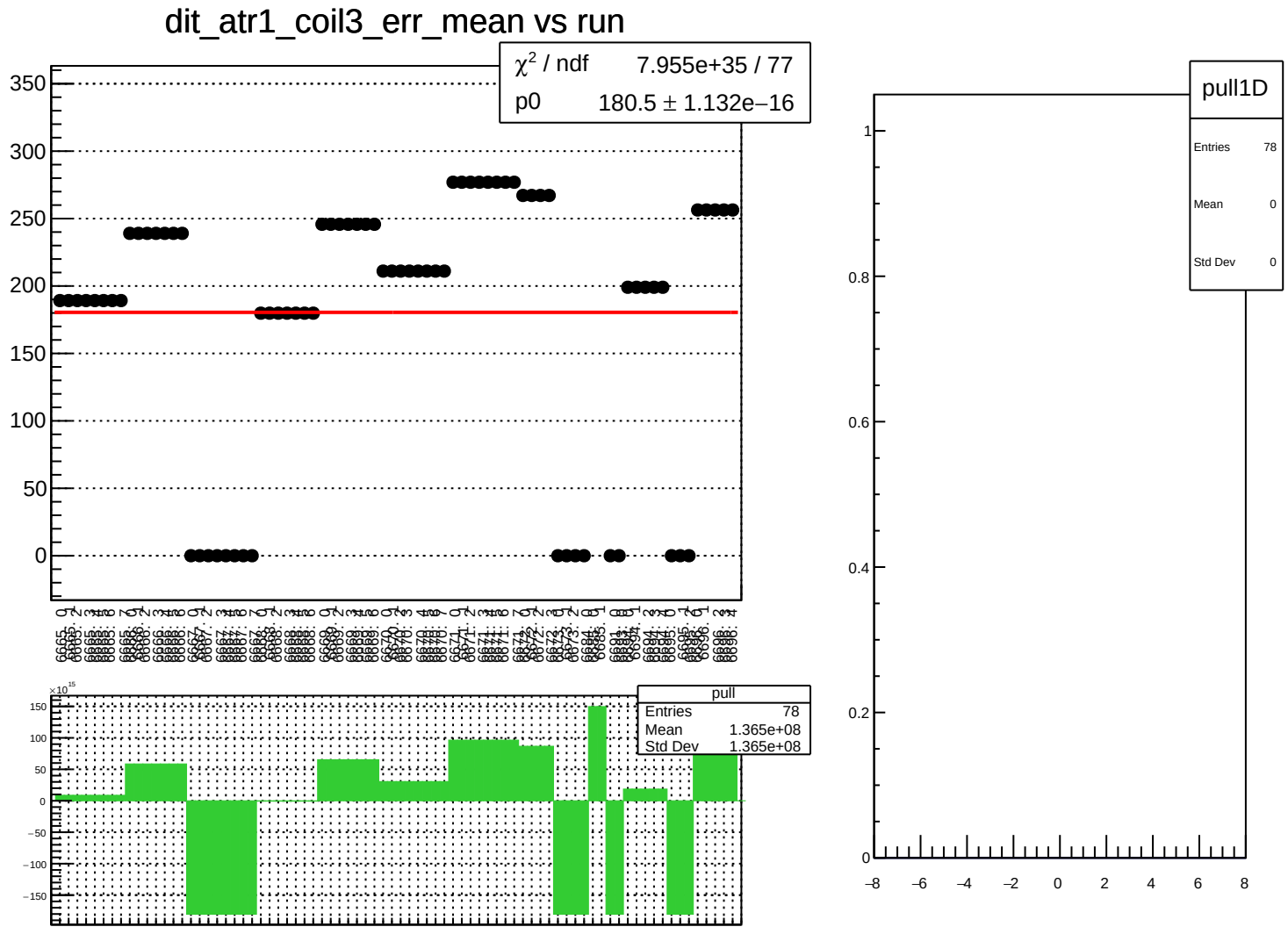
dit_atl2_coil3_Ndata_mean vs run

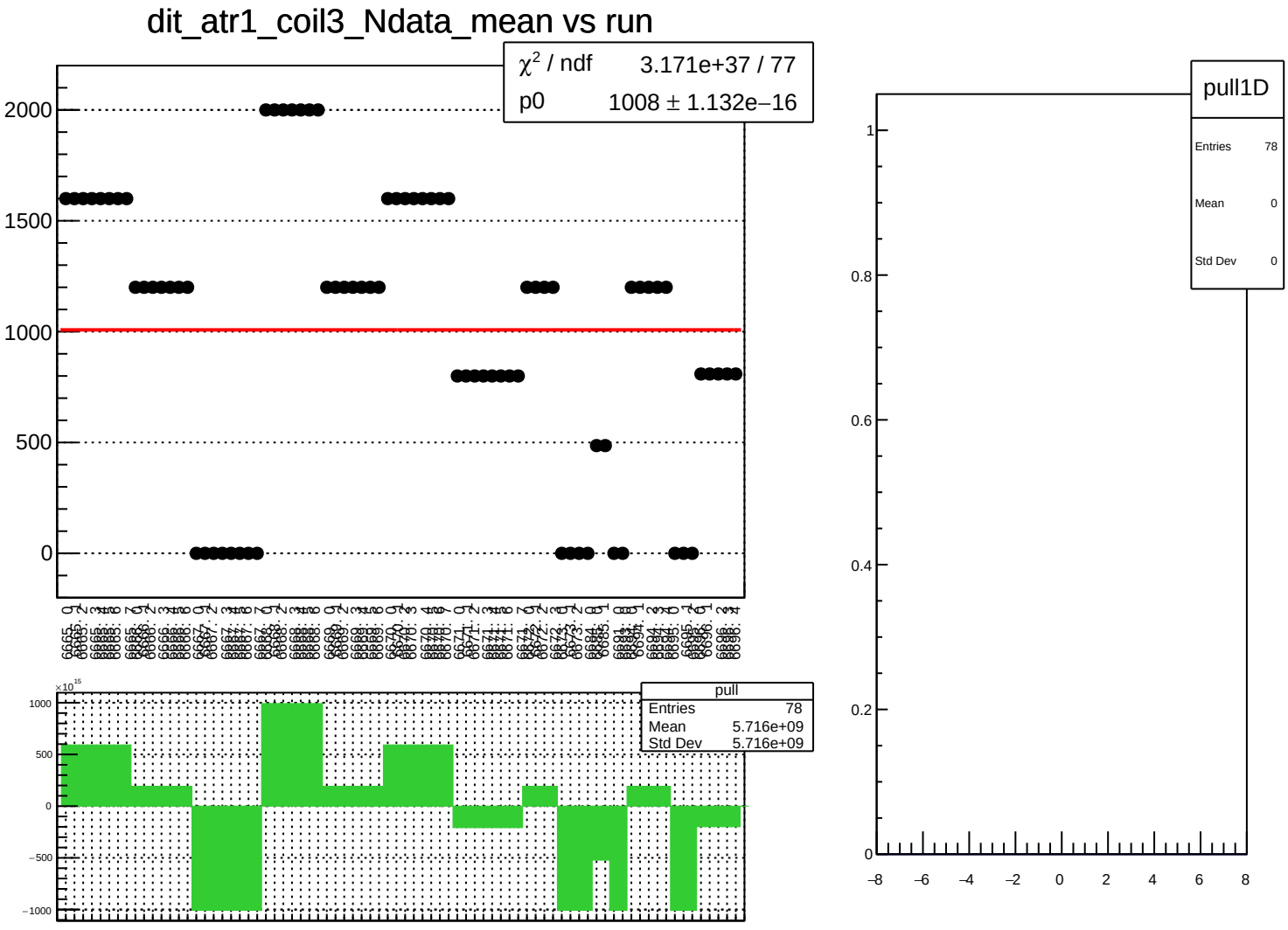


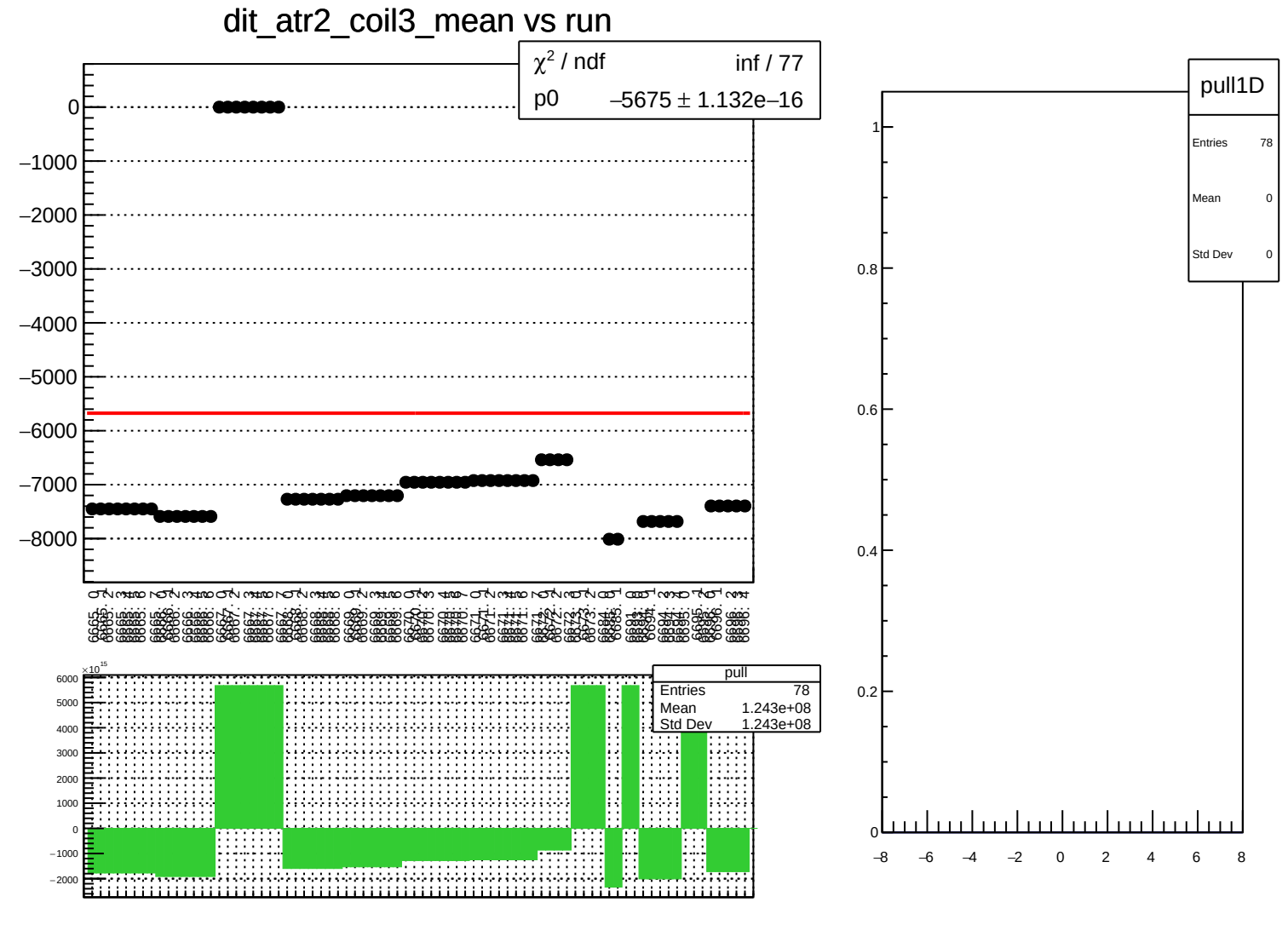



dit_atr1_coil3_mean vs run
χ^2 / ndf inf / 77
p0 4549 ± 1.132e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 7.36e+09
Std Dev 7.36e+09
×10^15
1000
0
−1000
−2000
−3000
−4000

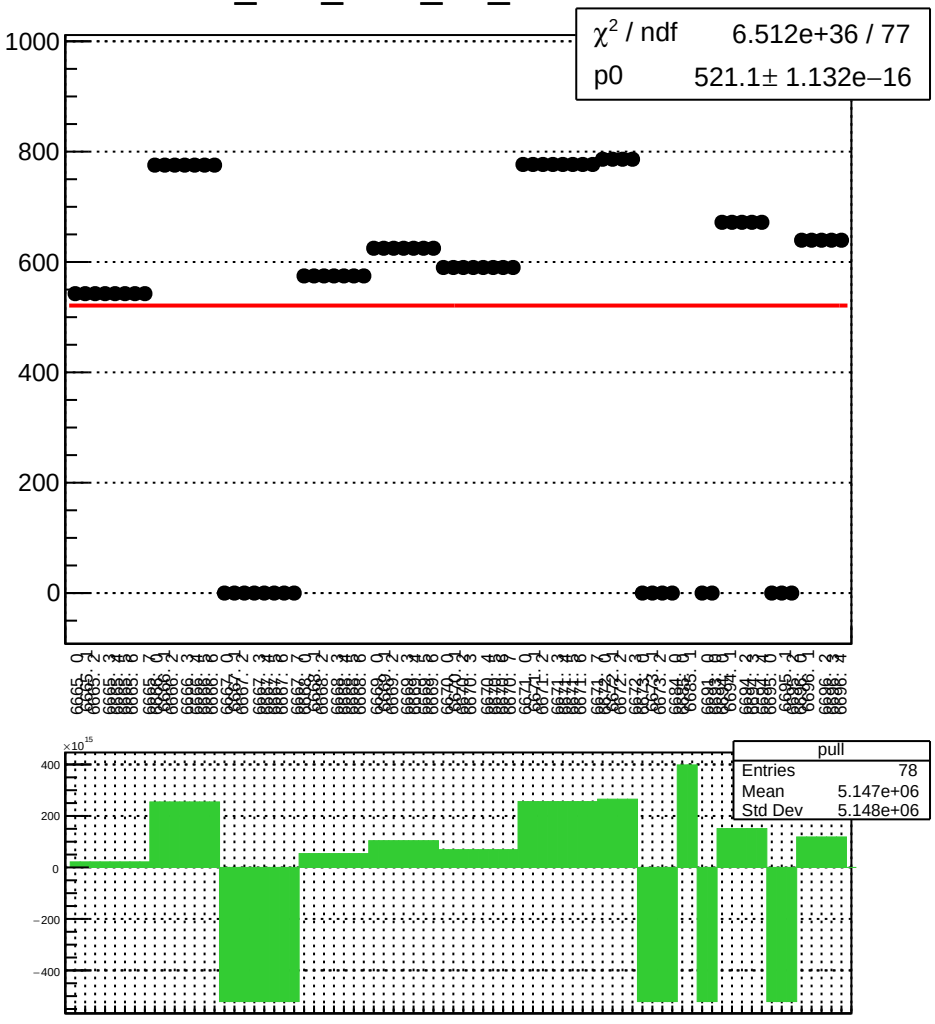

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

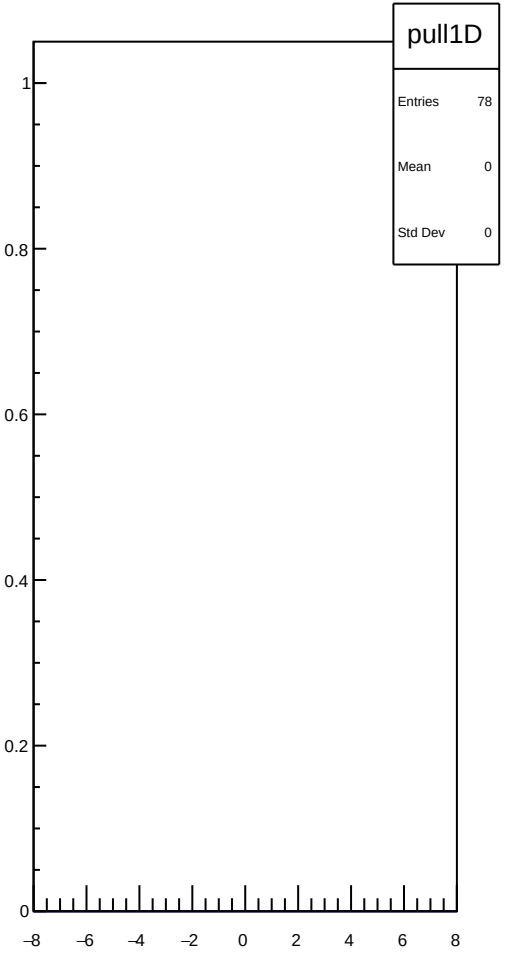

dit_atr1_coil3_err_mean vs run
χ² / ndf 7.955e+35 / 77
p0 180.5 ± 1.132e−16
pull
Entries 78
Mean 1.365e+08
Std Dev 1.365e+08
pull1D
Entries 78
Mean 0
Std Dev 0


dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

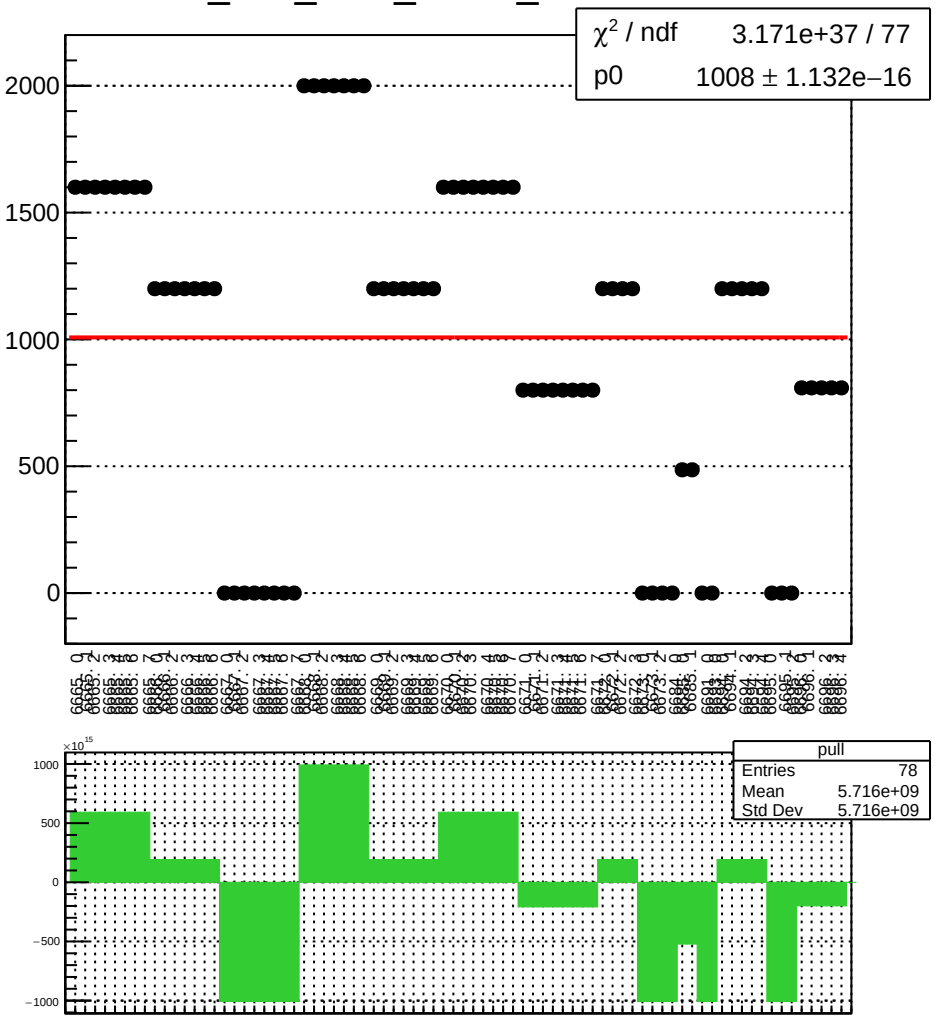

dit_atr2_coil3_mean vs run
χ² / ndf inf / 77
p0 –5675 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
–8000
pull
Entries 78
Mean 1.243e+08
Std Dev 1.243e+08
×10¹⁵
6000
5000
4000
3000
2000
1000
0
–1000
–2000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

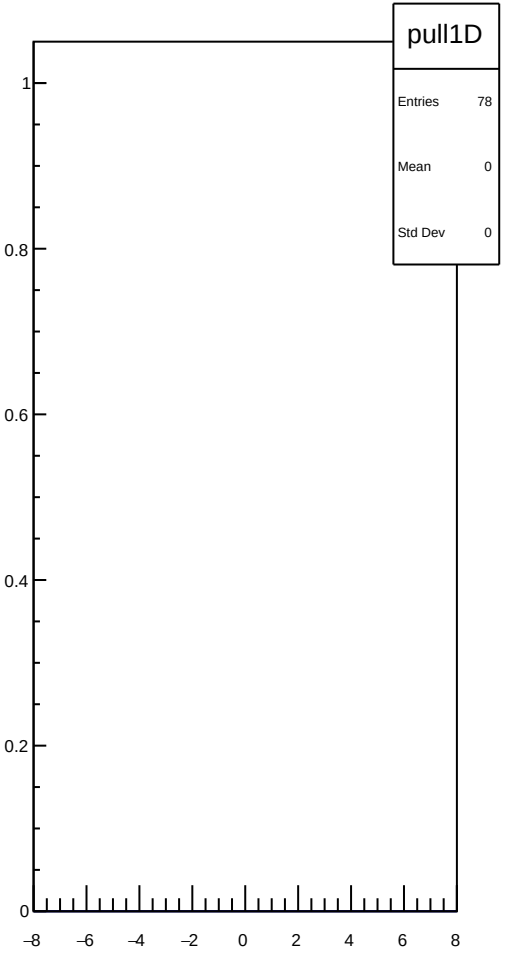
dit_atr2_coil3_err_mean vs run

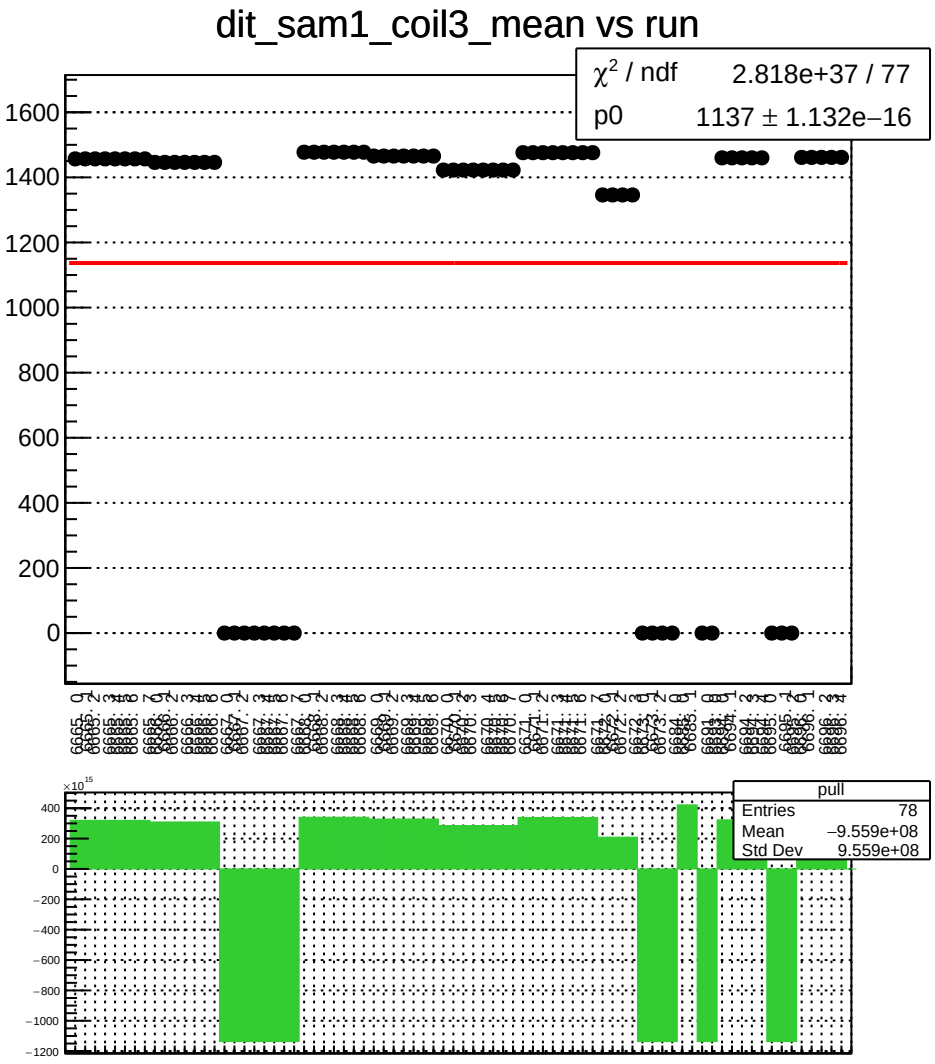


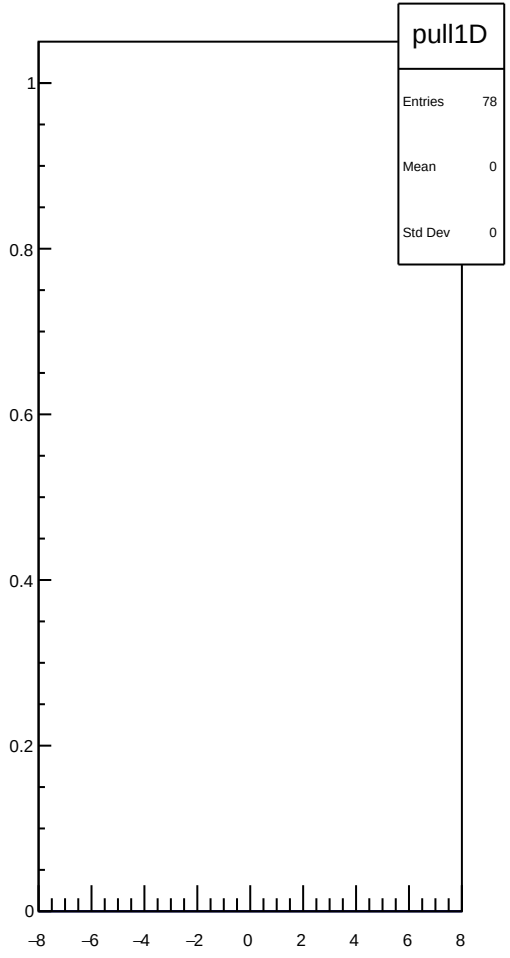


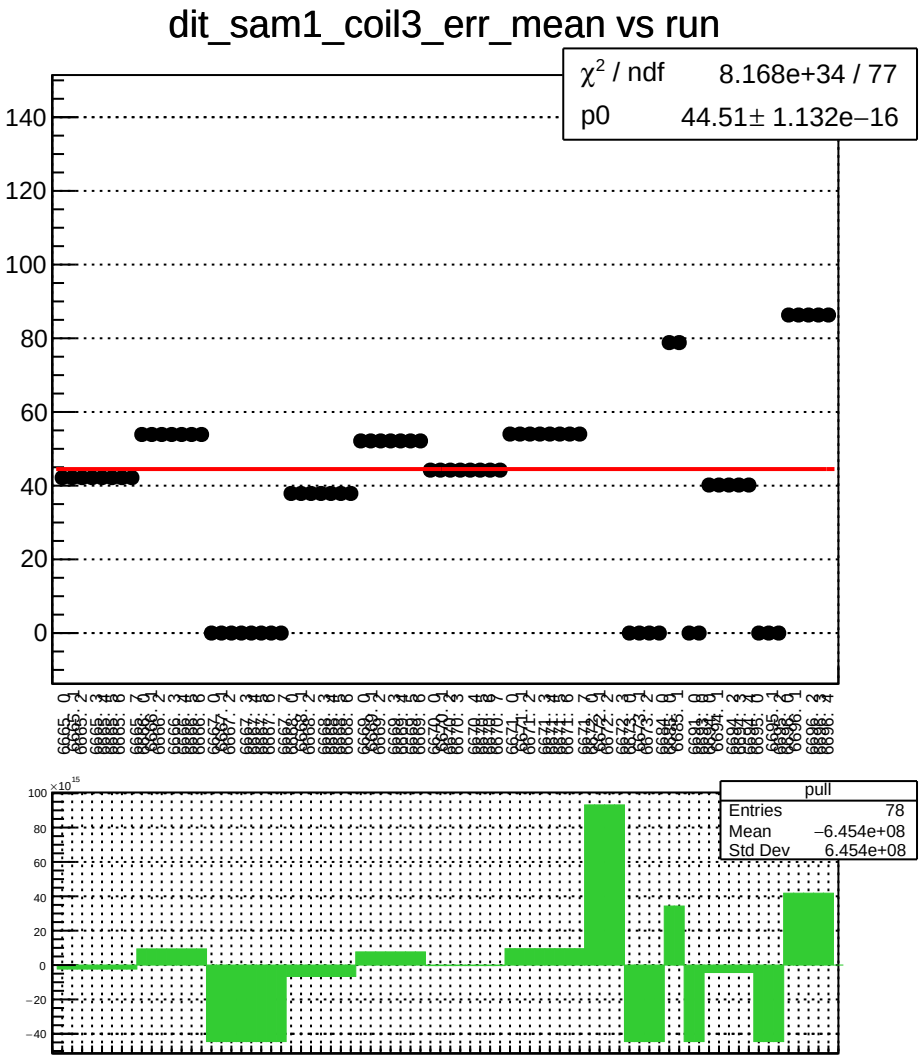
dit_atr2_coil3_Ndata_mean vs run

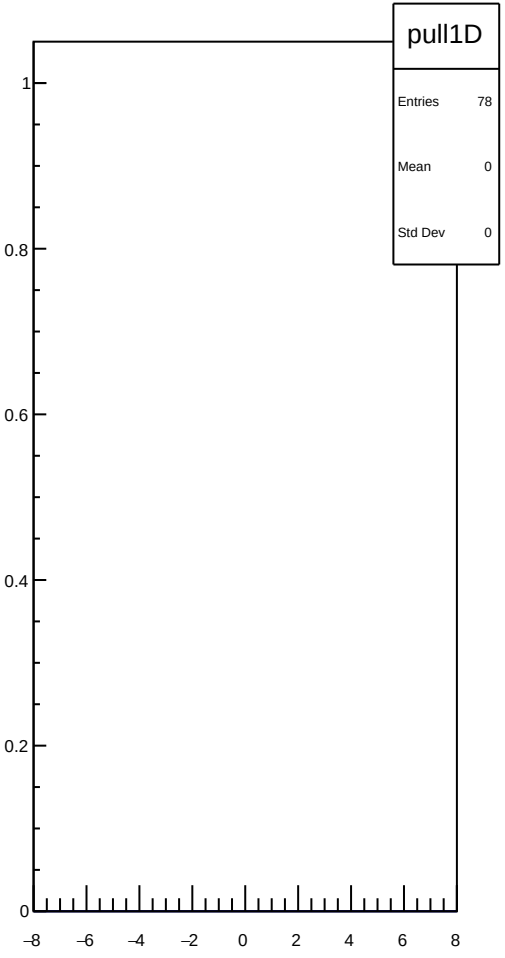


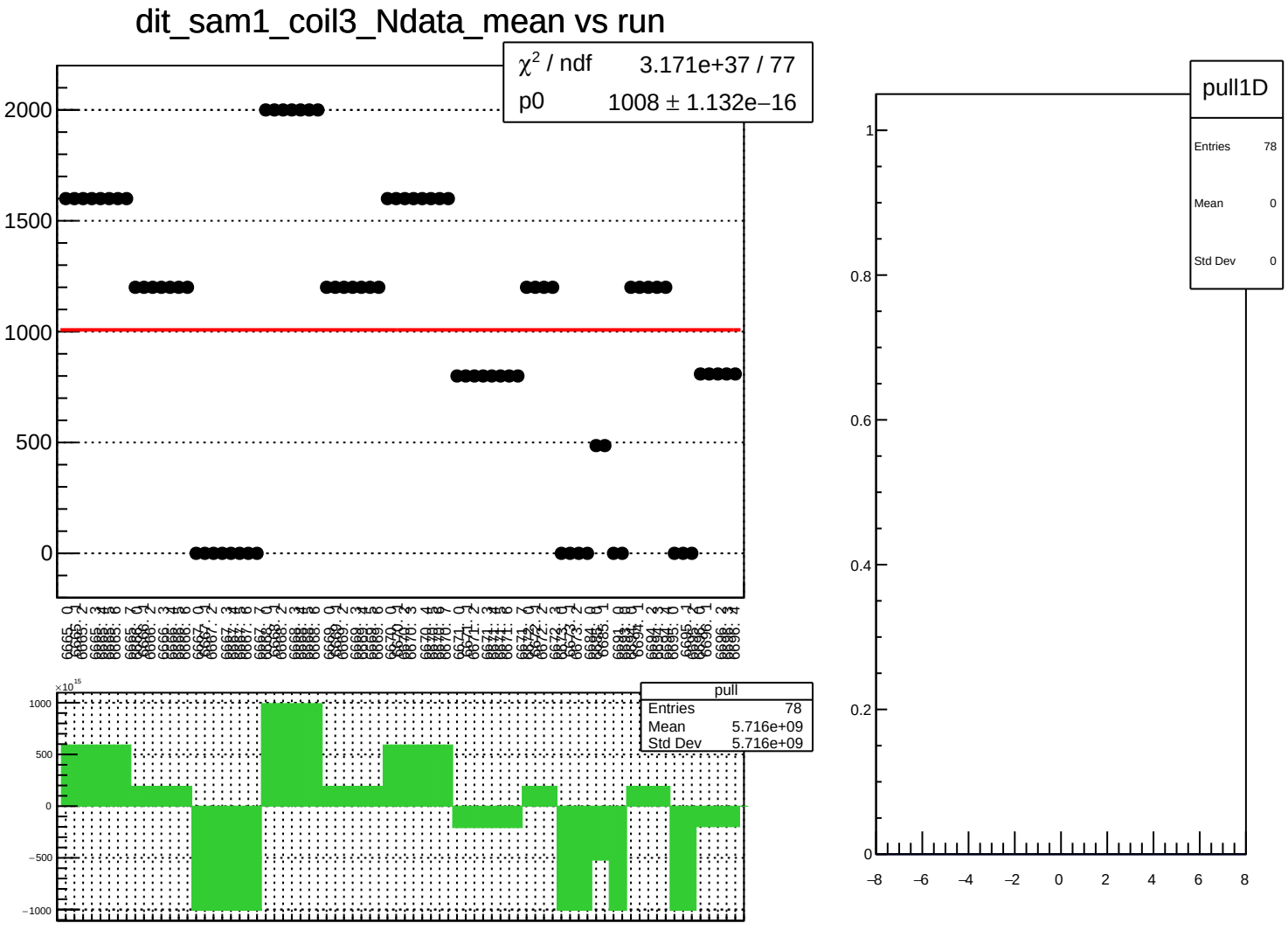


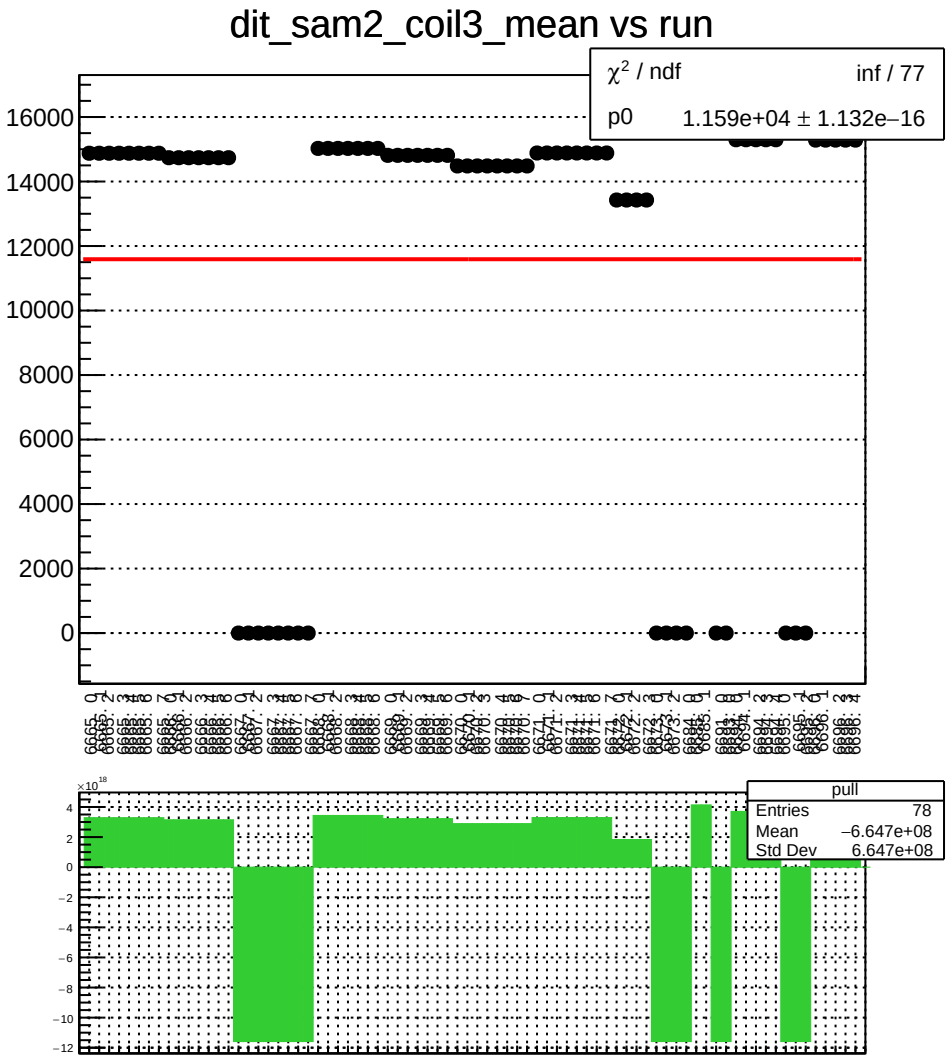

dit_sam1_coil3_mean vs run
χ^2 / ndf 2.818e+37 / 77
p0 1137 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −9.559e+08
Std Dev 9.559e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200

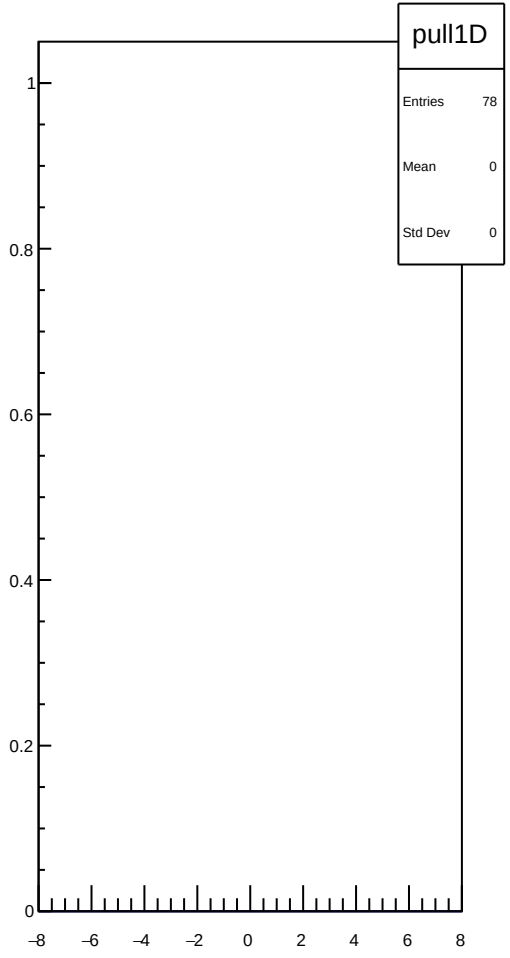

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil3_err_mean vs run
χ² / ndf 8.168e+34 / 77
p0 44.51± 1.132e−16
pull
Entries 78
Mean −6.454e+08
Std Dev 6.454e+08

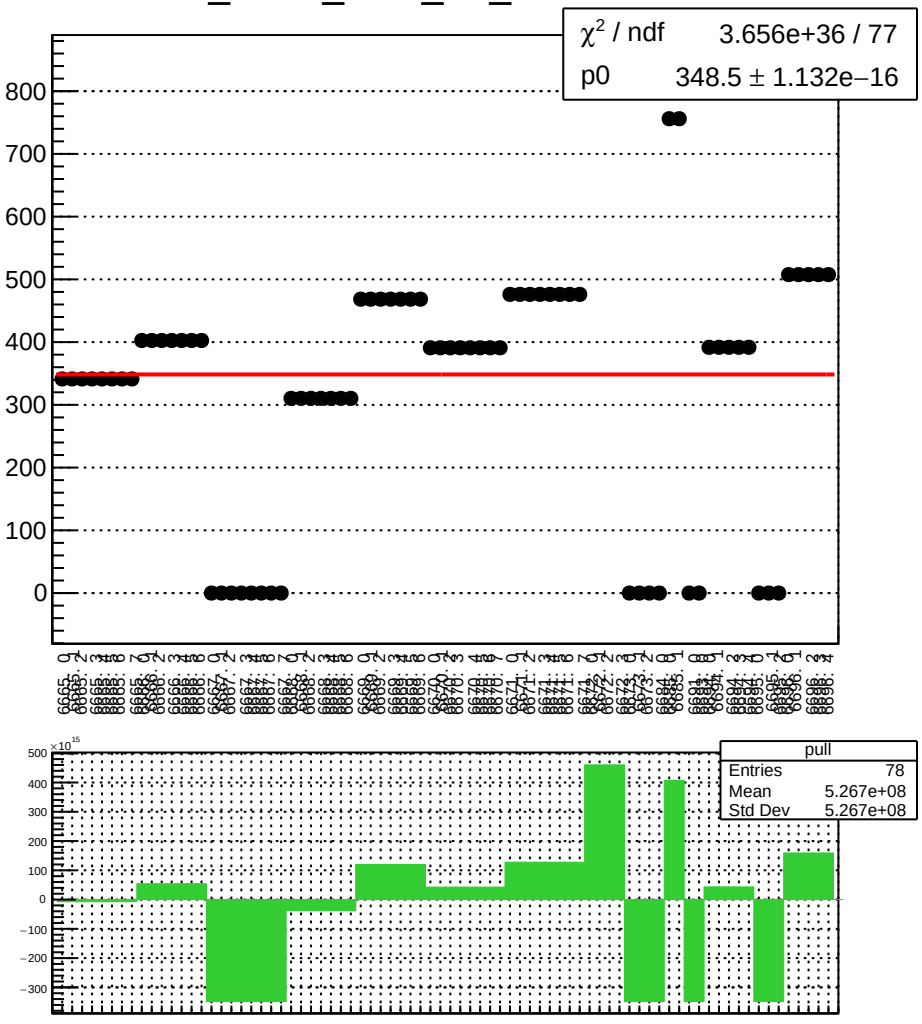

pull1D
Entries 78
Mean 0
Std Dev 0

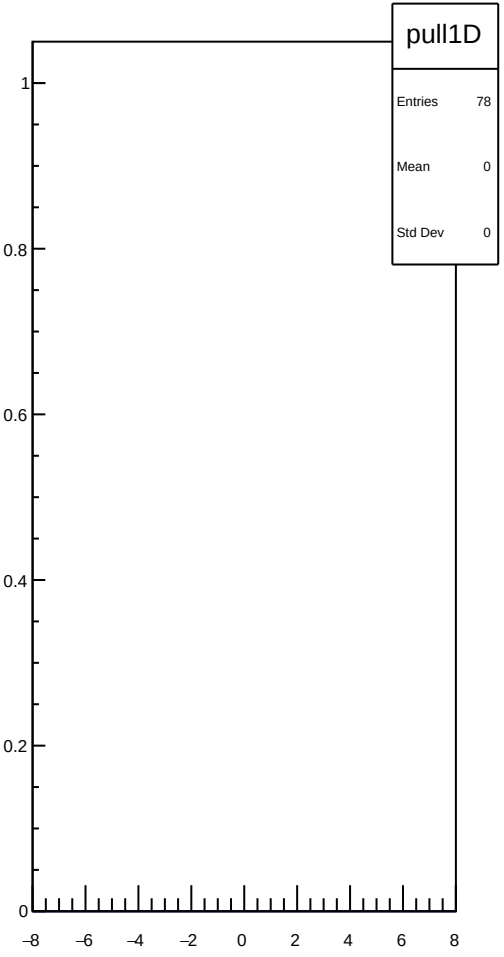

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

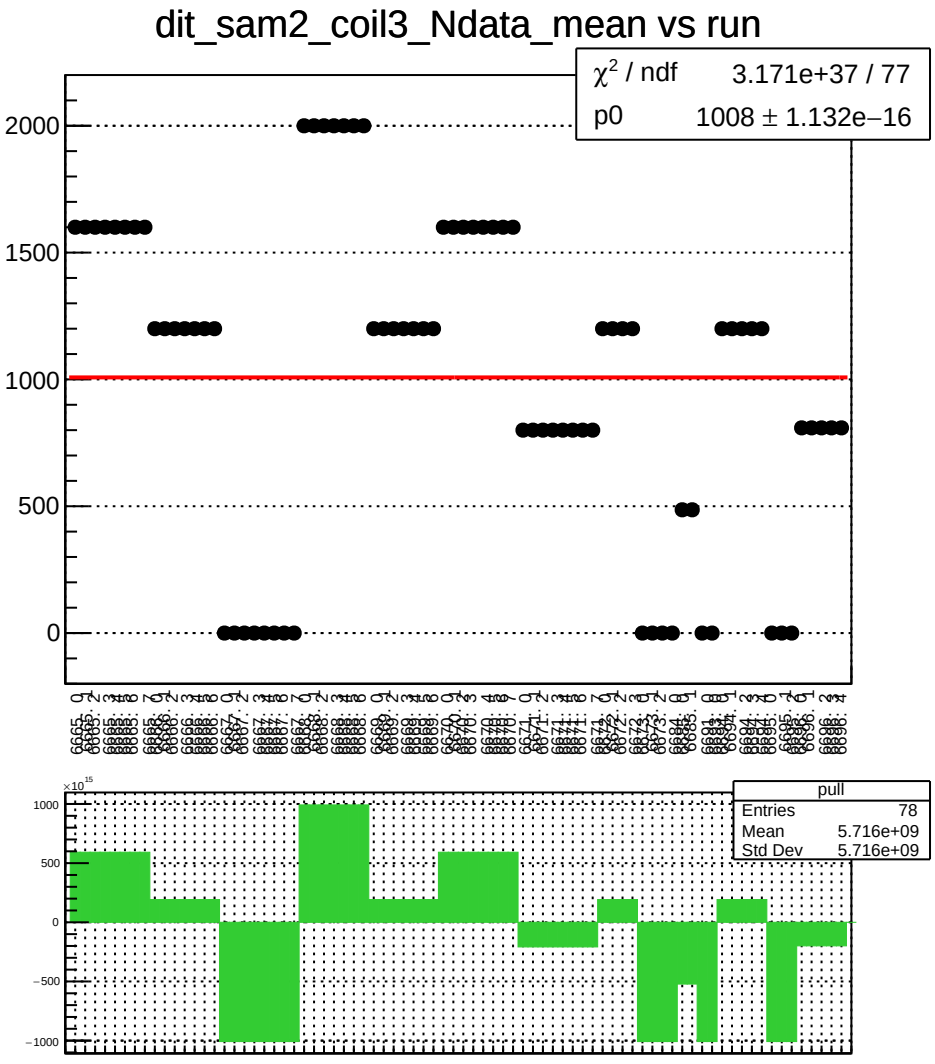

dit_sam2_coil3_mean vs run
χ² / ndf inf / 77
p0 1.159e+04 ± 1.132e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −6.647e+08
Std Dev 6.647e+08
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12

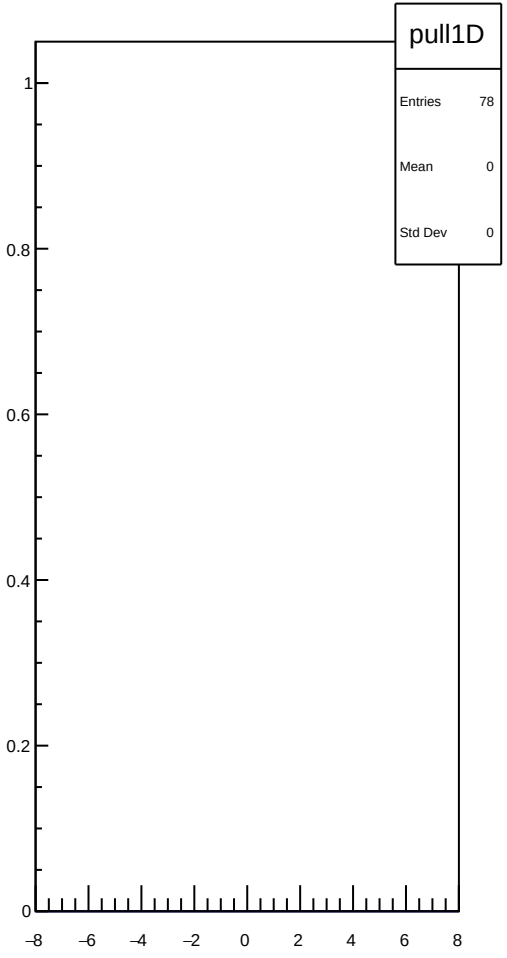

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

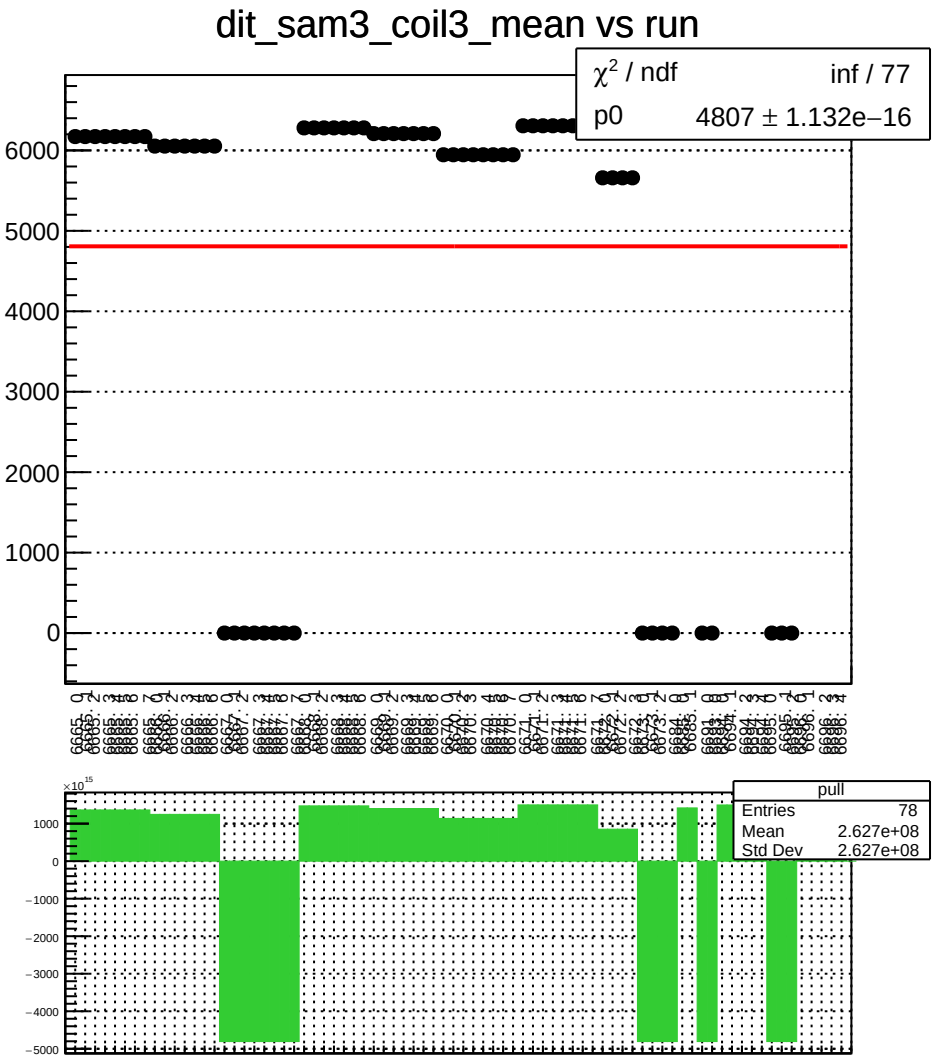
dit_sam2_coil3_err_mean vs run

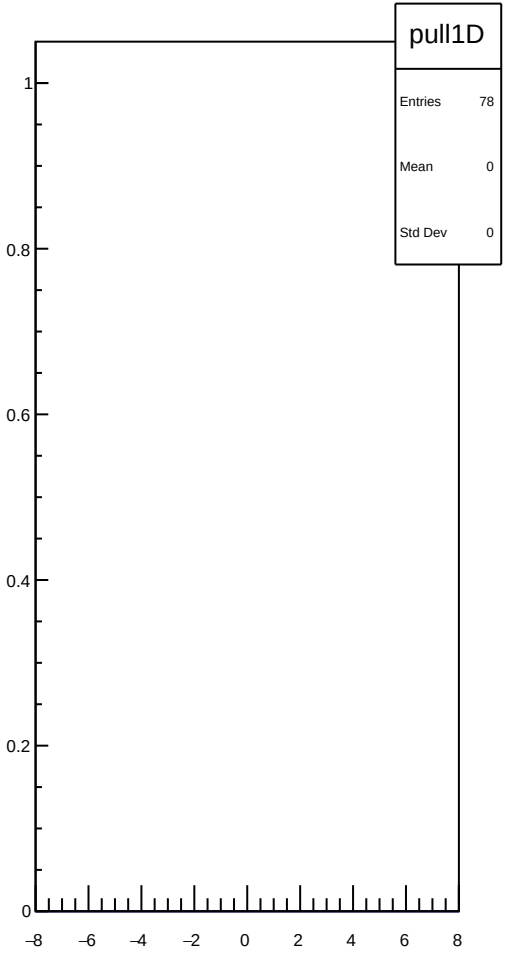


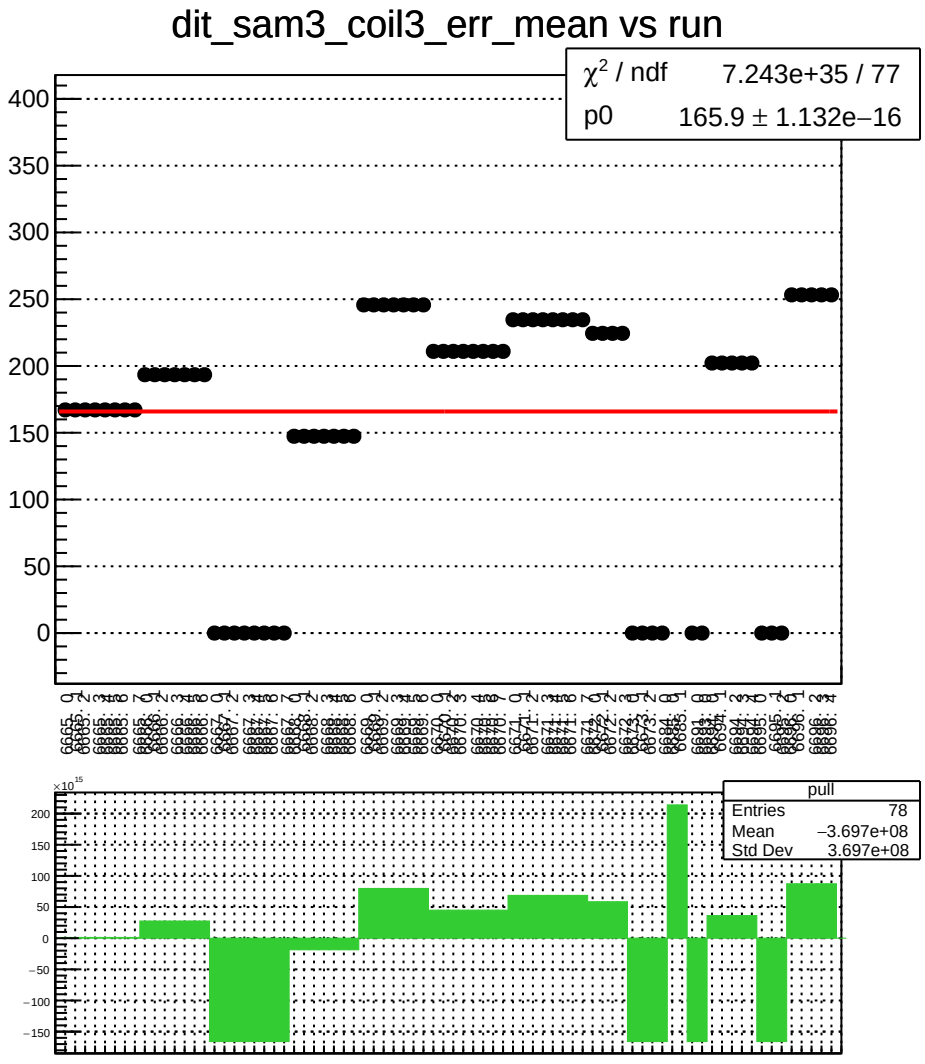


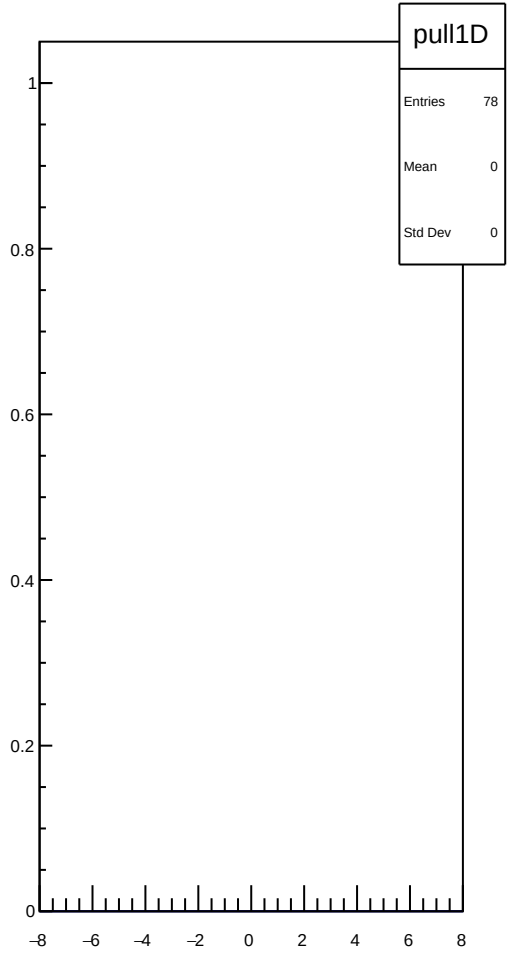

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000

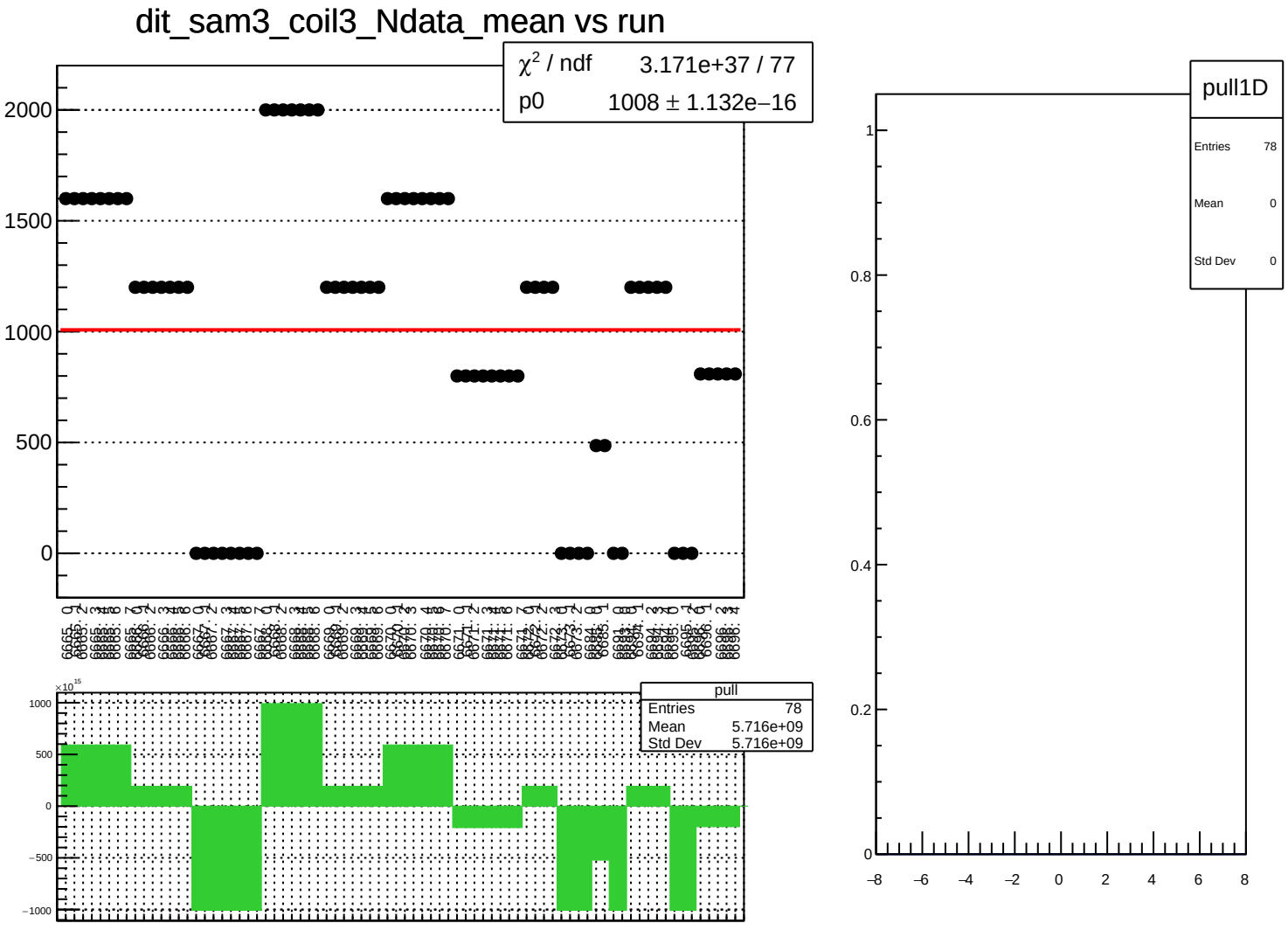

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

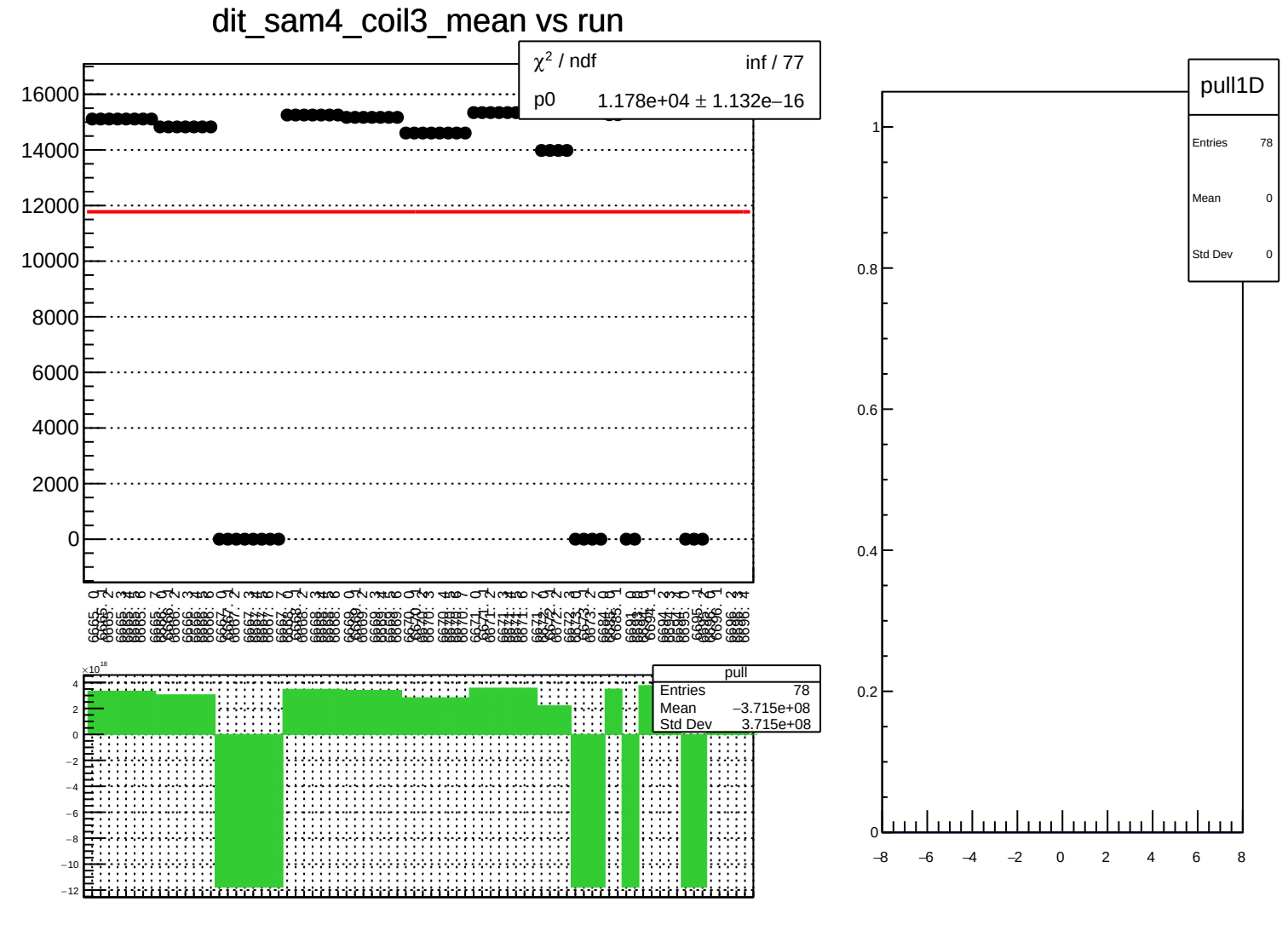

dit_sam3_coil3_mean vs run
χ^2 / ndf inf / 77
p0 4807 ± 1.132e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 2.627e+08
Std Dev 2.627e+08
1000
0
−1000
−2000
−3000
−4000
−5000

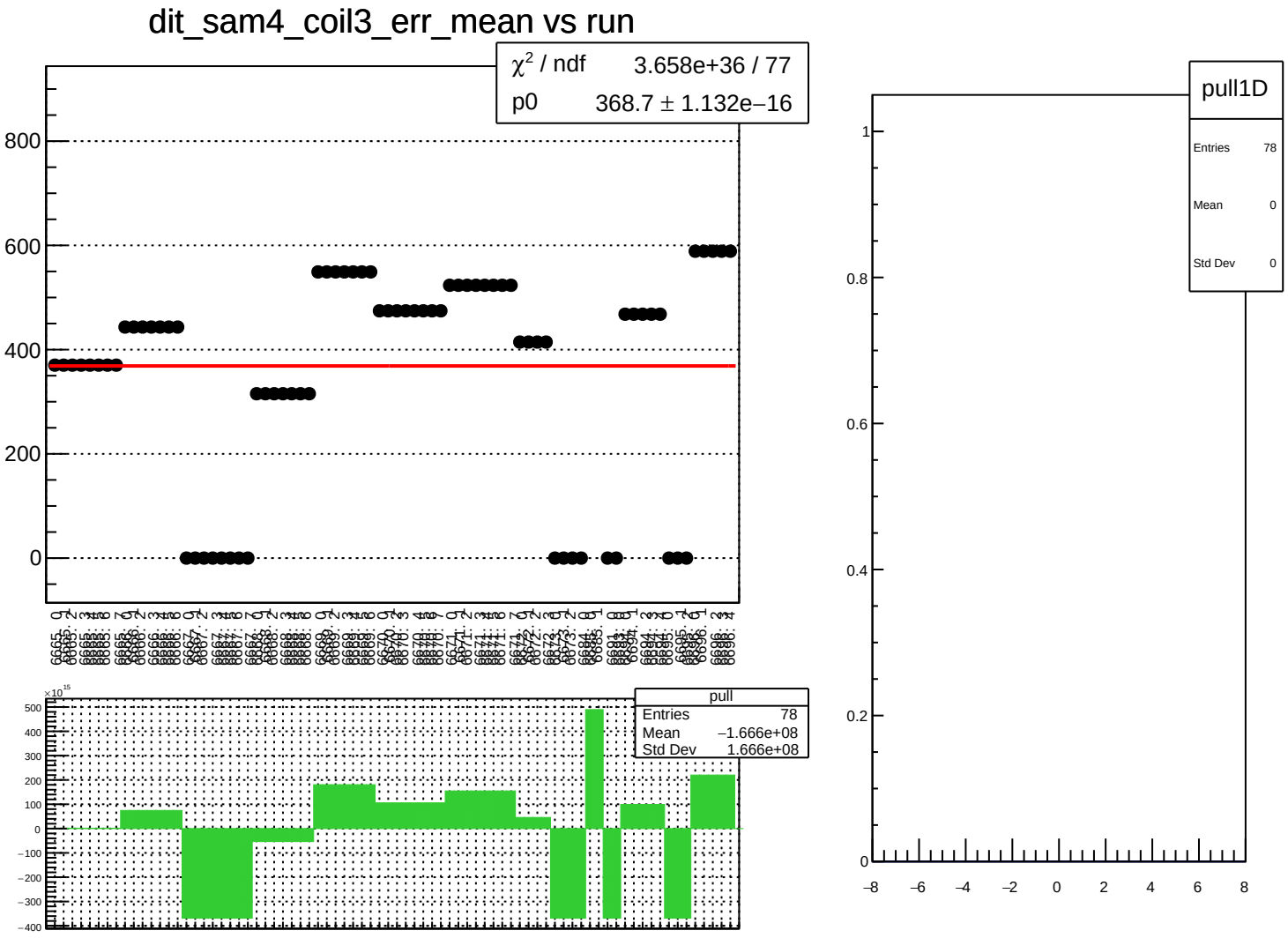

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

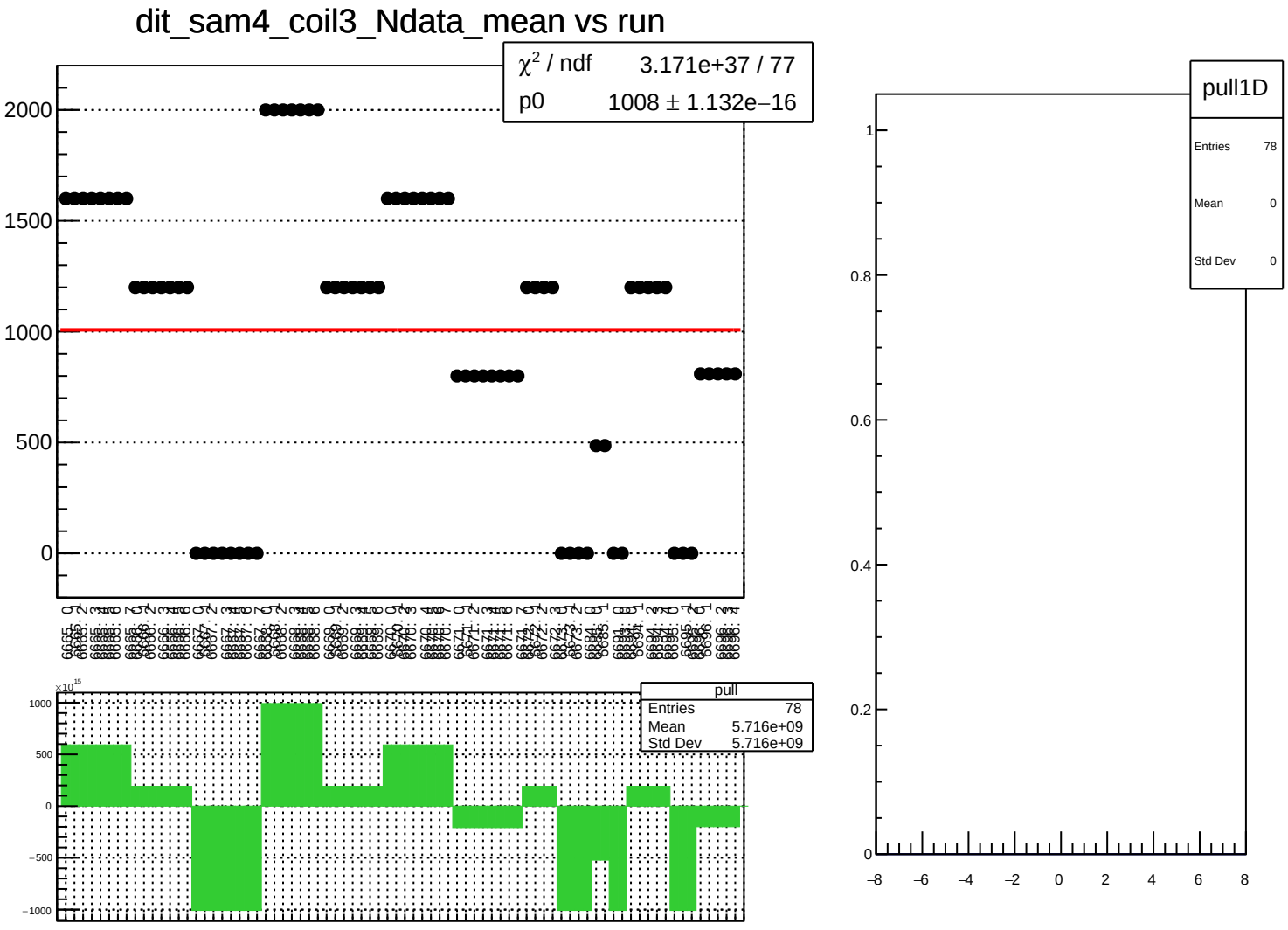

dit_sam3_coil3_err_mean vs run
χ² / ndf 7.243e+35 / 77
p0 165.9 ± 1.132e−16
pull
Entries 78
Mean −3.697e+08
Std Dev 3.697e+08

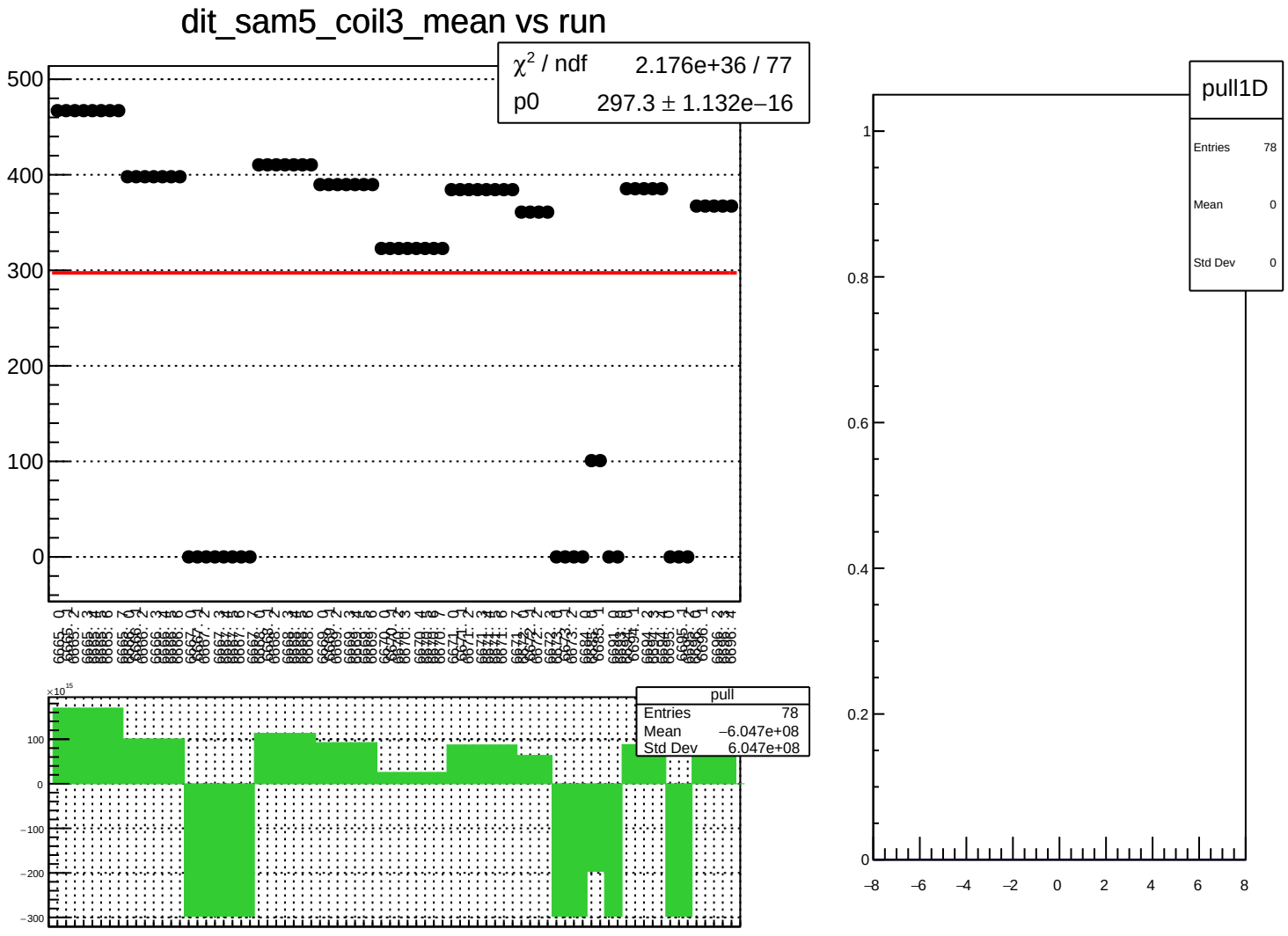

pull1D
Entries 78
Mean 0
Std Dev 0

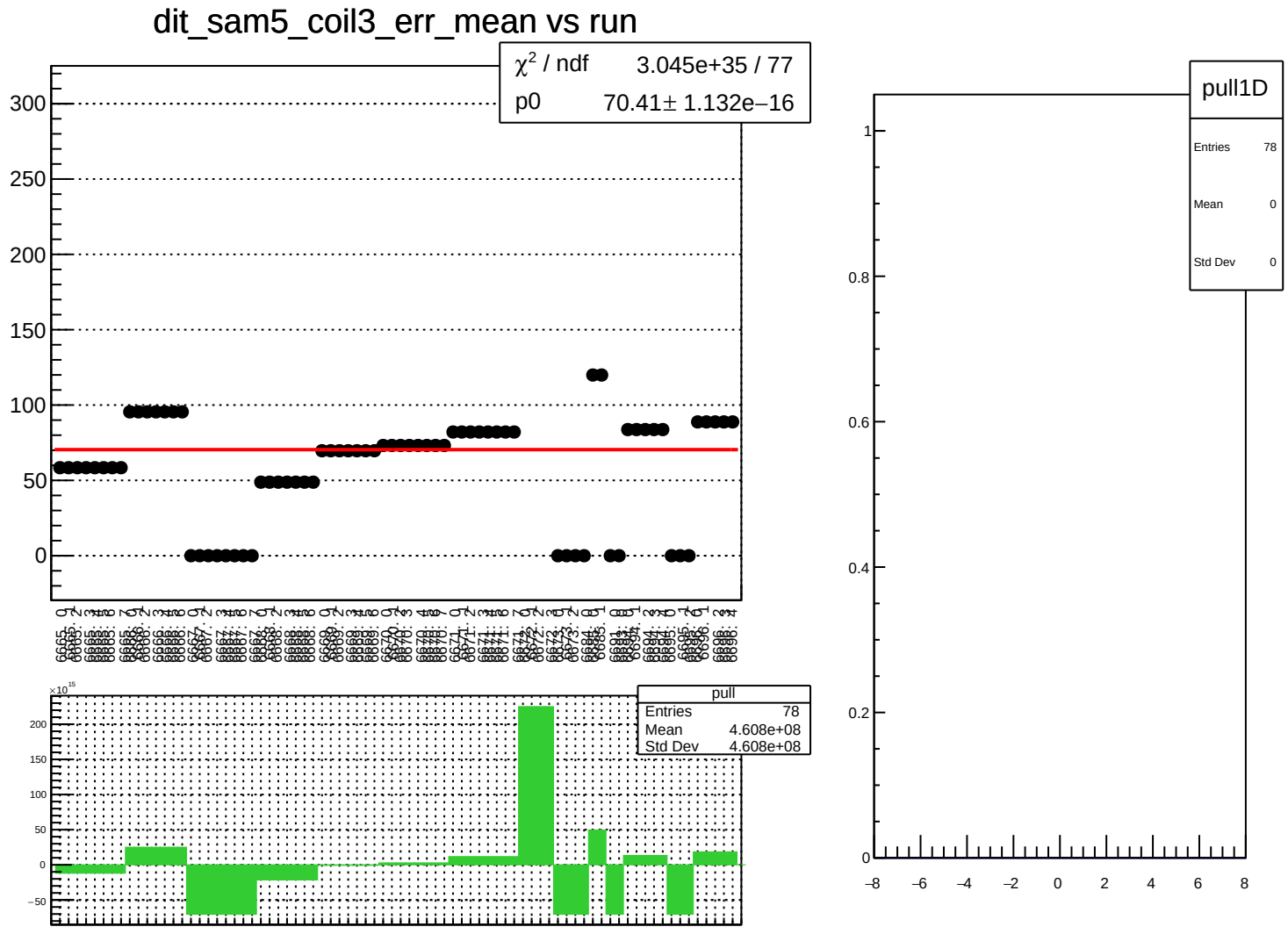

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam4_coil3_mean vs run
χ² / ndf inf / 77
p0 1.178e+04 ± 1.132e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −3.715e+08
Std Dev 3.715e+08
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

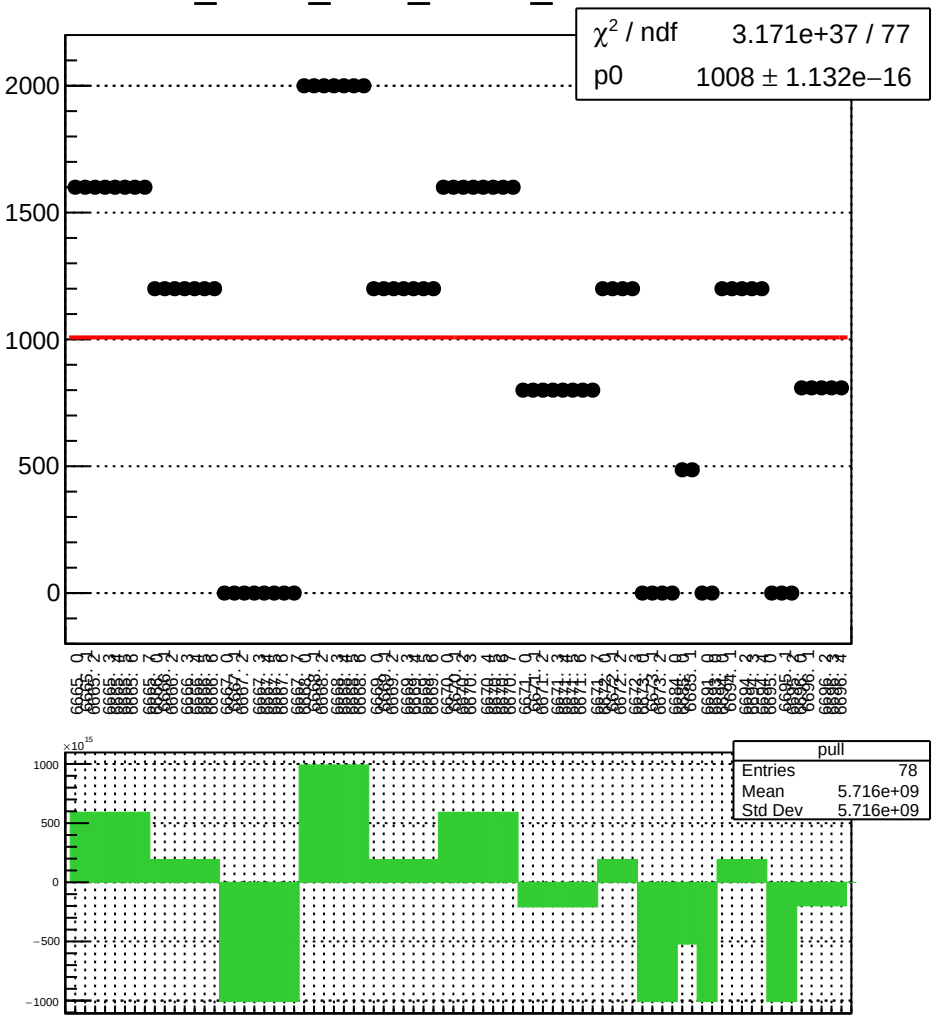

dit_sam4_coil3_err_mean vs run
χ² / ndf 3.658e+36 / 77
p0 368.7 ± 1.132e−16
800
600
400
200
0
pull
Entries 78
Mean −1.666e+08
Std Dev 1.666e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

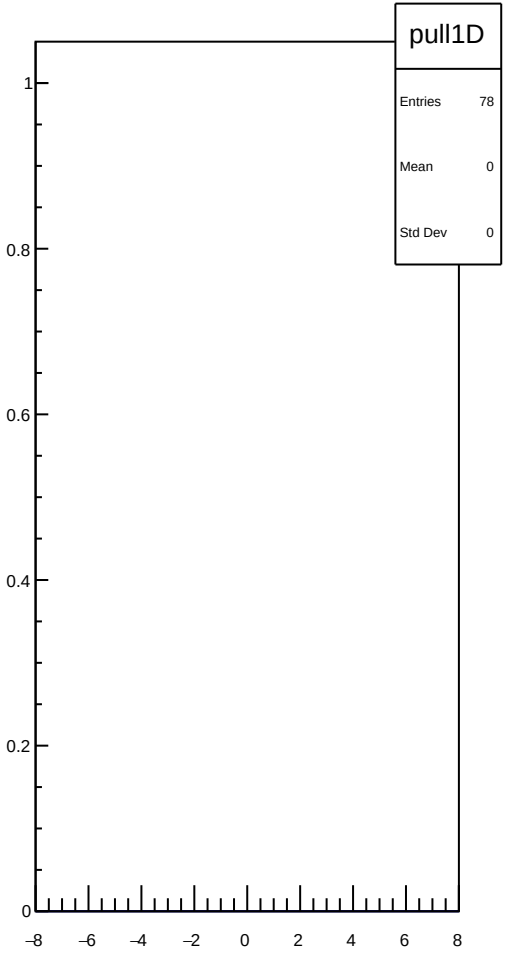

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

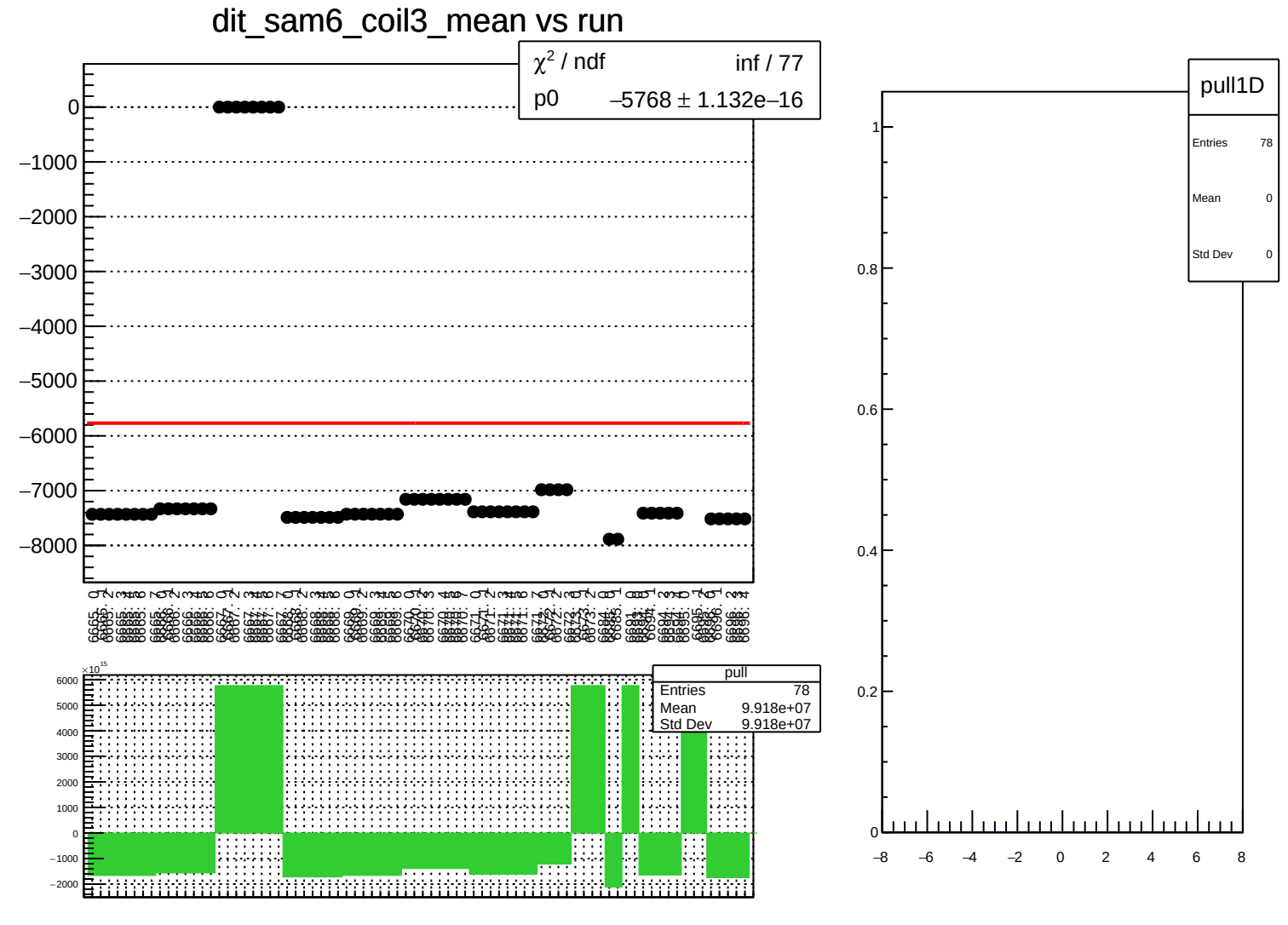

dit_sam5_coil3_mean vs run
χ^2 / ndf 2.176e+36 / 77
p0 297.3 ± 1.132e−16
pull
Entries 78
Mean −6.047e+08
Std Dev 6.047e+08
pull1D
Entries 78
Mean 0
Std Dev 0

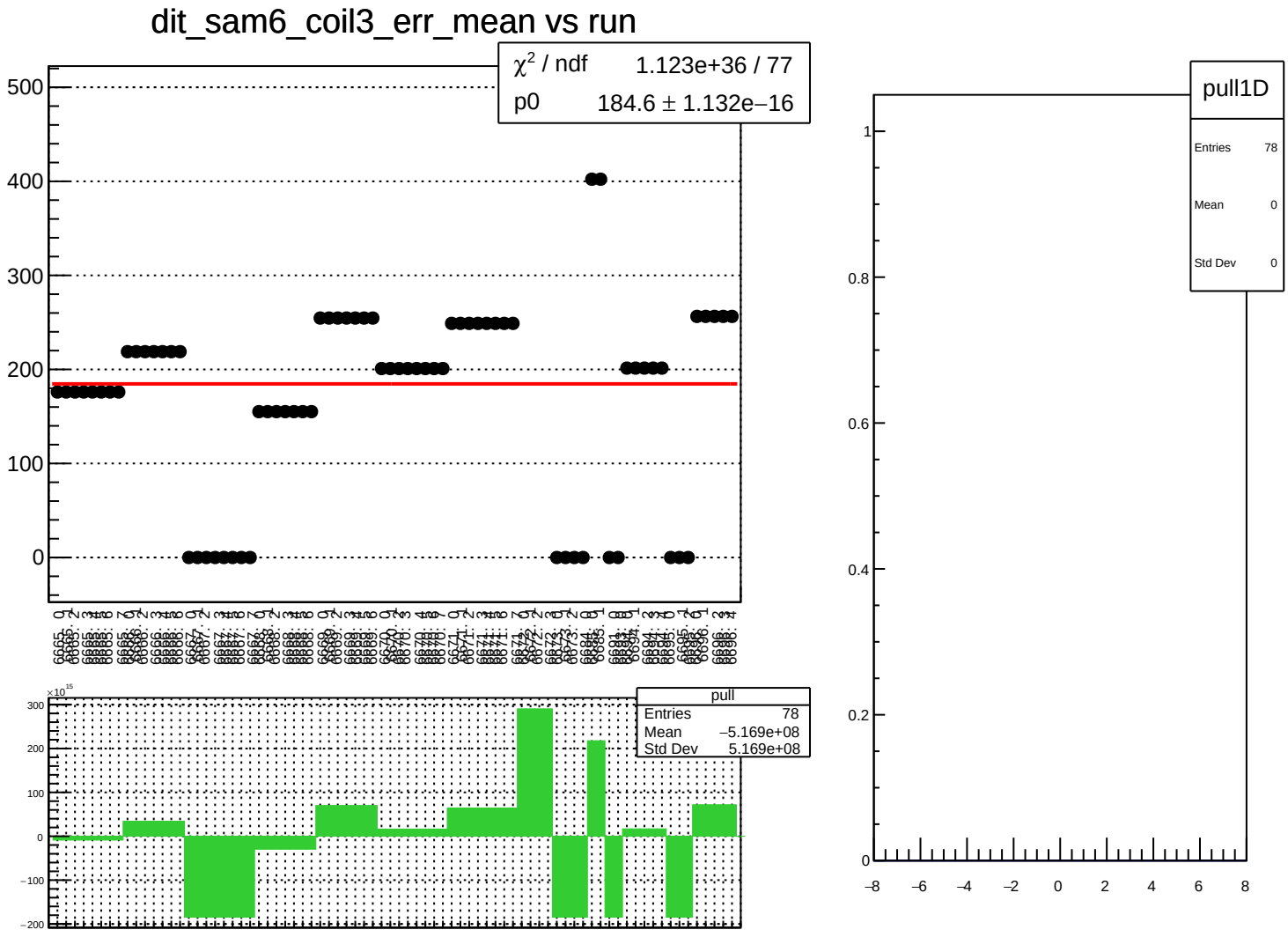

dit_sam5_coil3_err_mean vs run
χ² / ndf 3.045e+35 / 77
p0 70.41± 1.132e−16
pull
Entries 78
Mean 4.608e+08
Std Dev 4.608e+08
pull1D
Entries 78
Mean 0
Std Dev 0

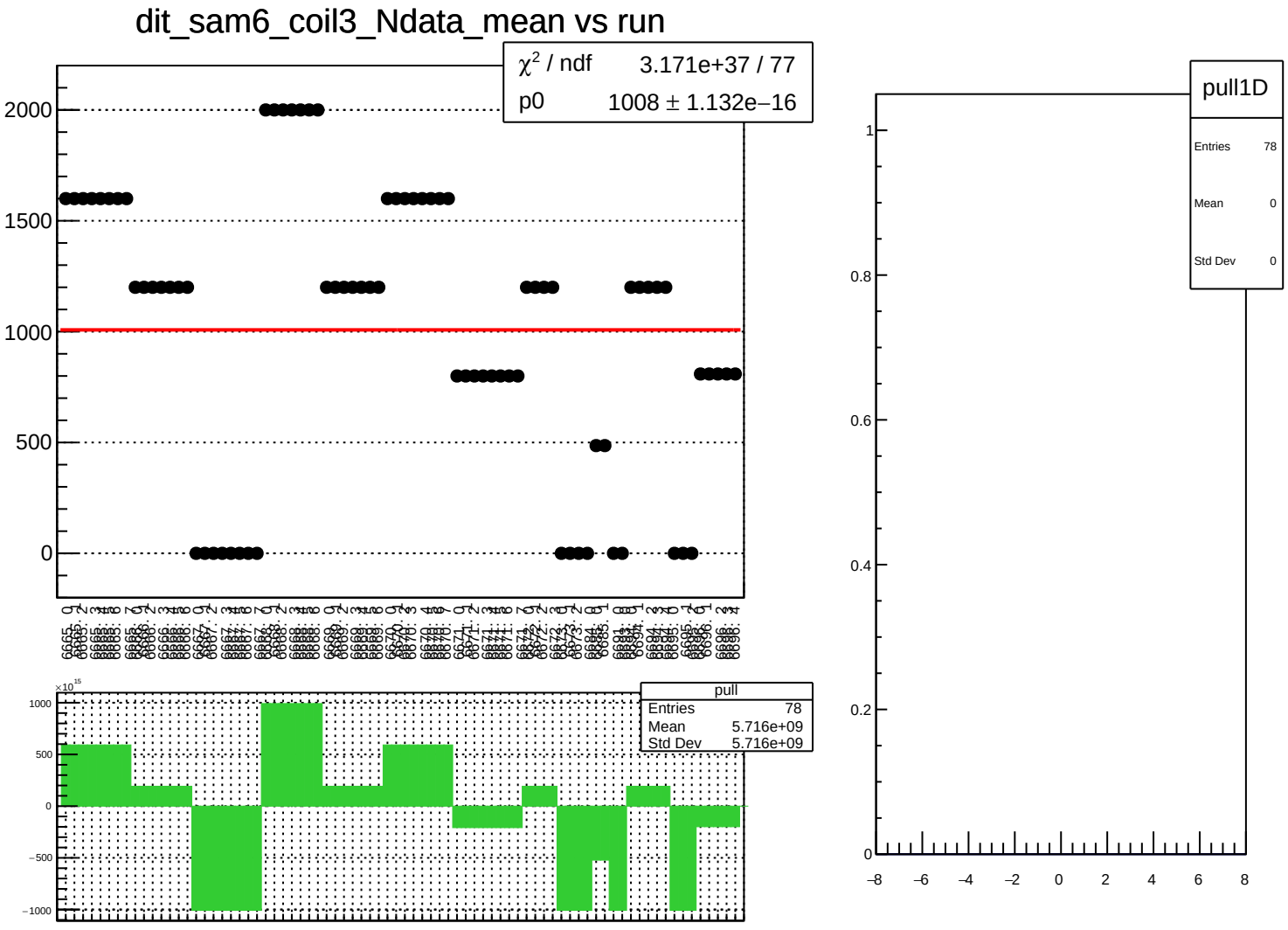
dit_sam5_coil3_Ndata_mean vs run

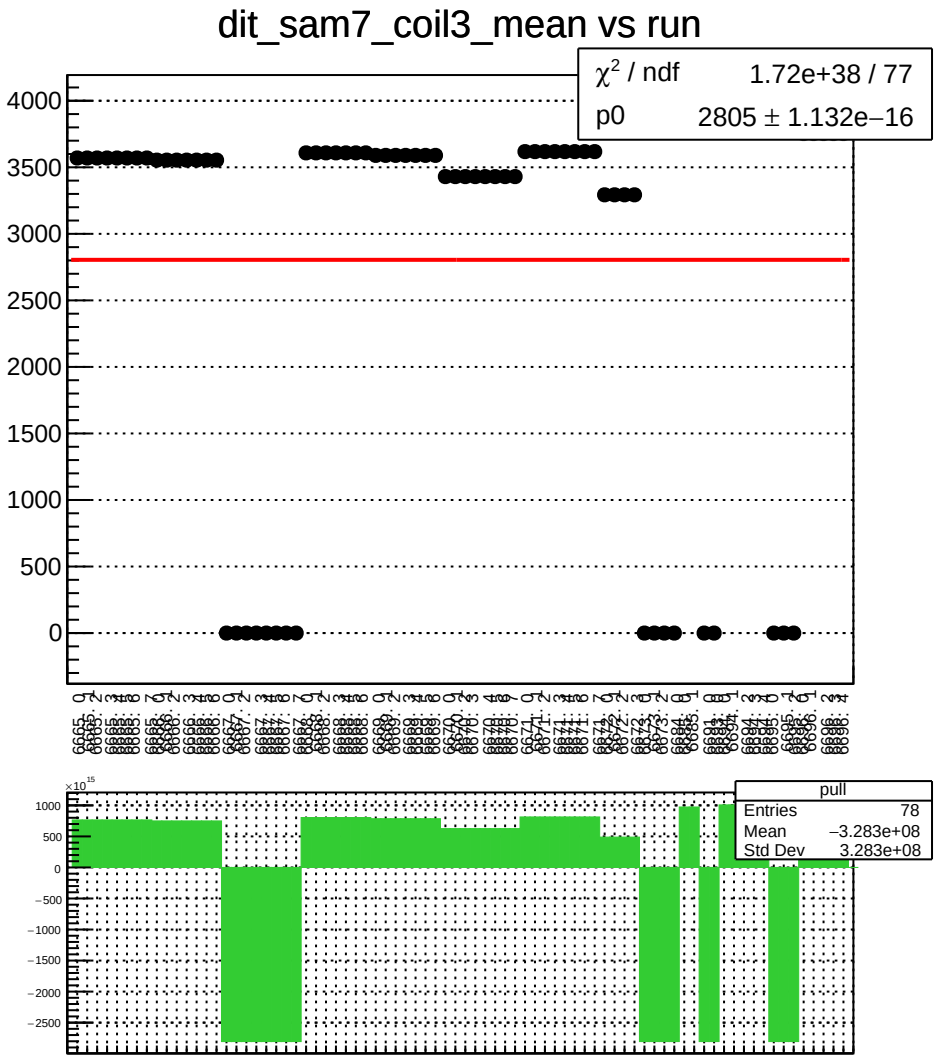


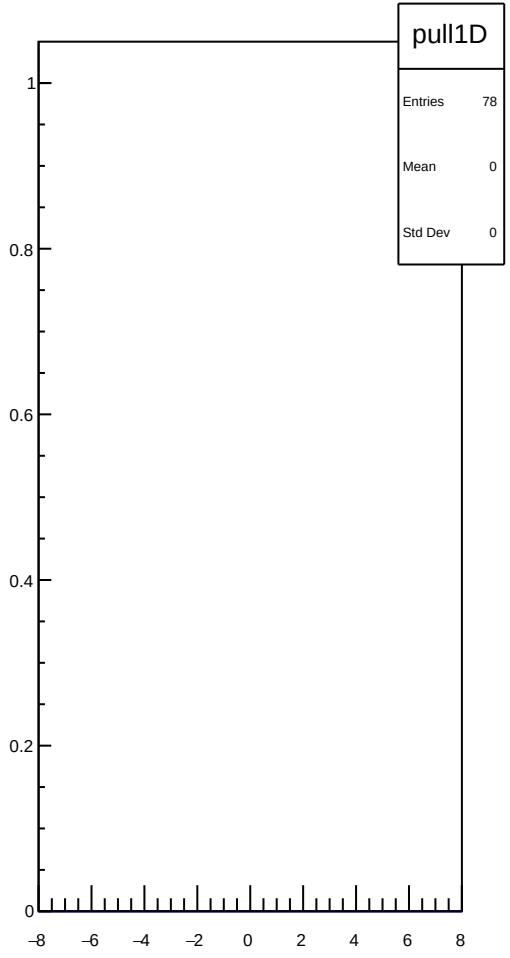



dit_sam6_coil3_mean vs run
χ² / ndf inf / 77
p0 –5768 ± 1.132e–16
pull
Entries 78
Mean 9.918e+07
Std Dev 9.918e+07
pull1D
Entries 78
Mean 0
Std Dev 0

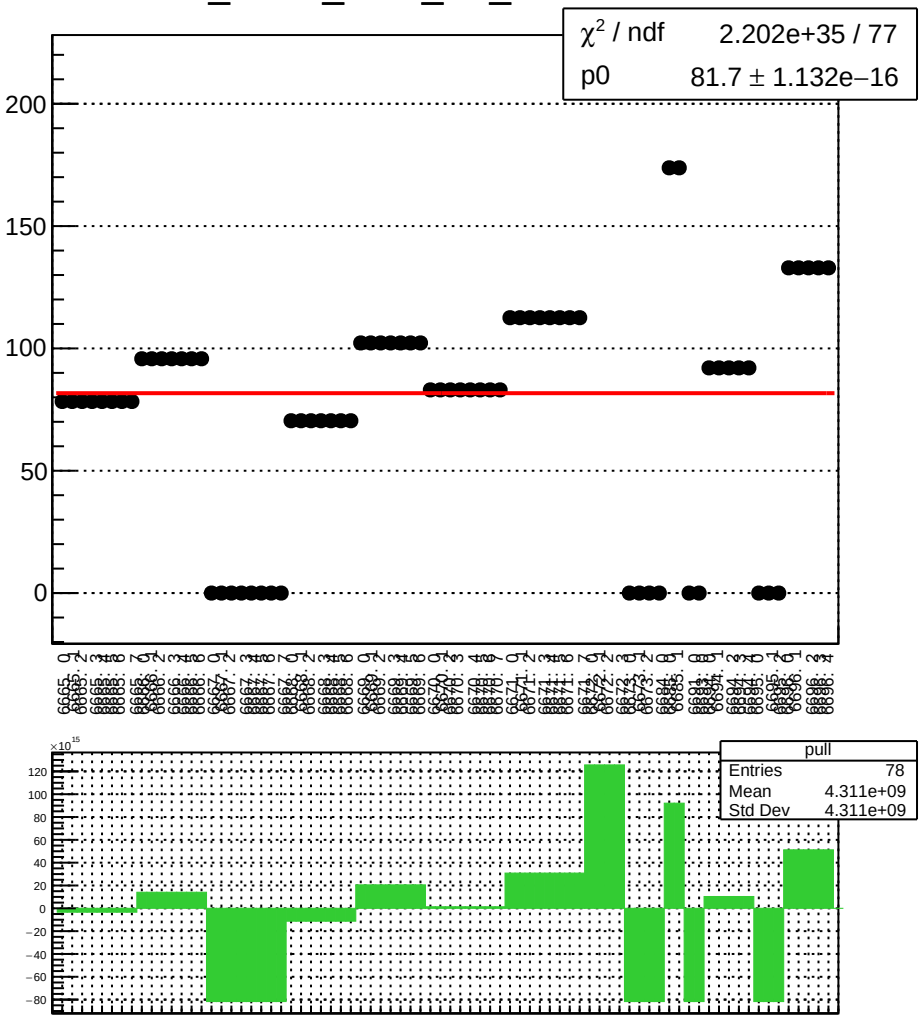

dit_sam6_coil3_err_mean vs run
χ² / ndf 1.123e+36 / 77
p0 184.6 ± 1.132e−16
pull
Entries 78
Mean −5.169e+08
Std Dev 5.169e+08
pull1D
Entries 78
Mean 0
Std Dev 0

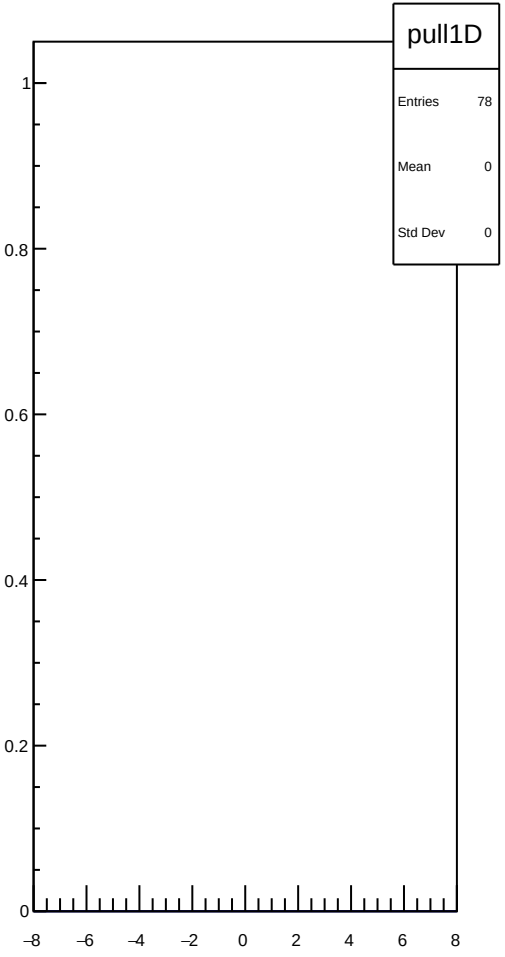

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

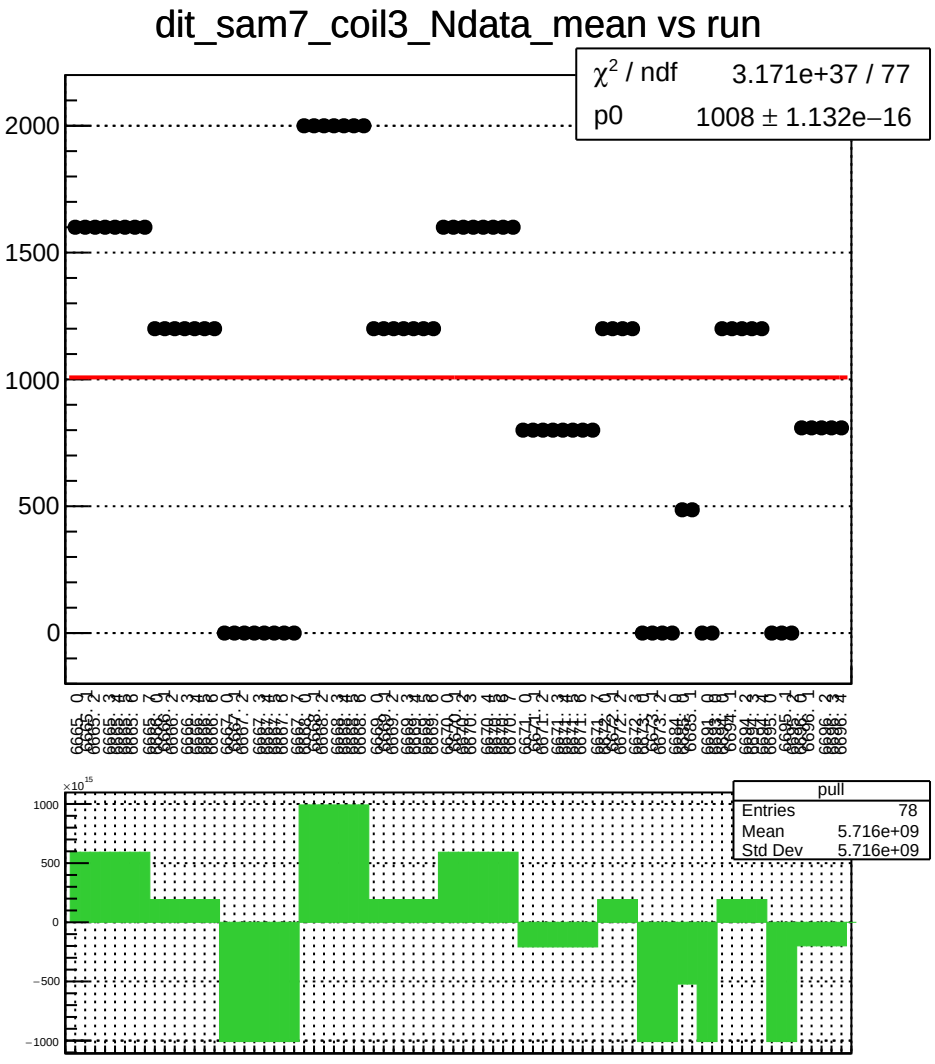

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.72e+38 / 77
p0 2805 ± 1.132e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean −3.283e+08
Std Dev 3.283e+08
1000
500
0
−500
−1000
−1500
−2000
−2500

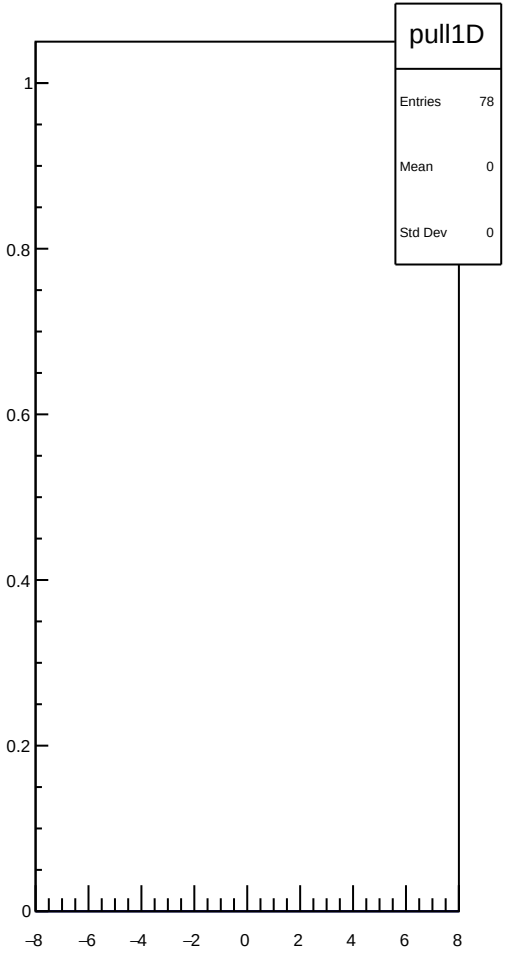

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

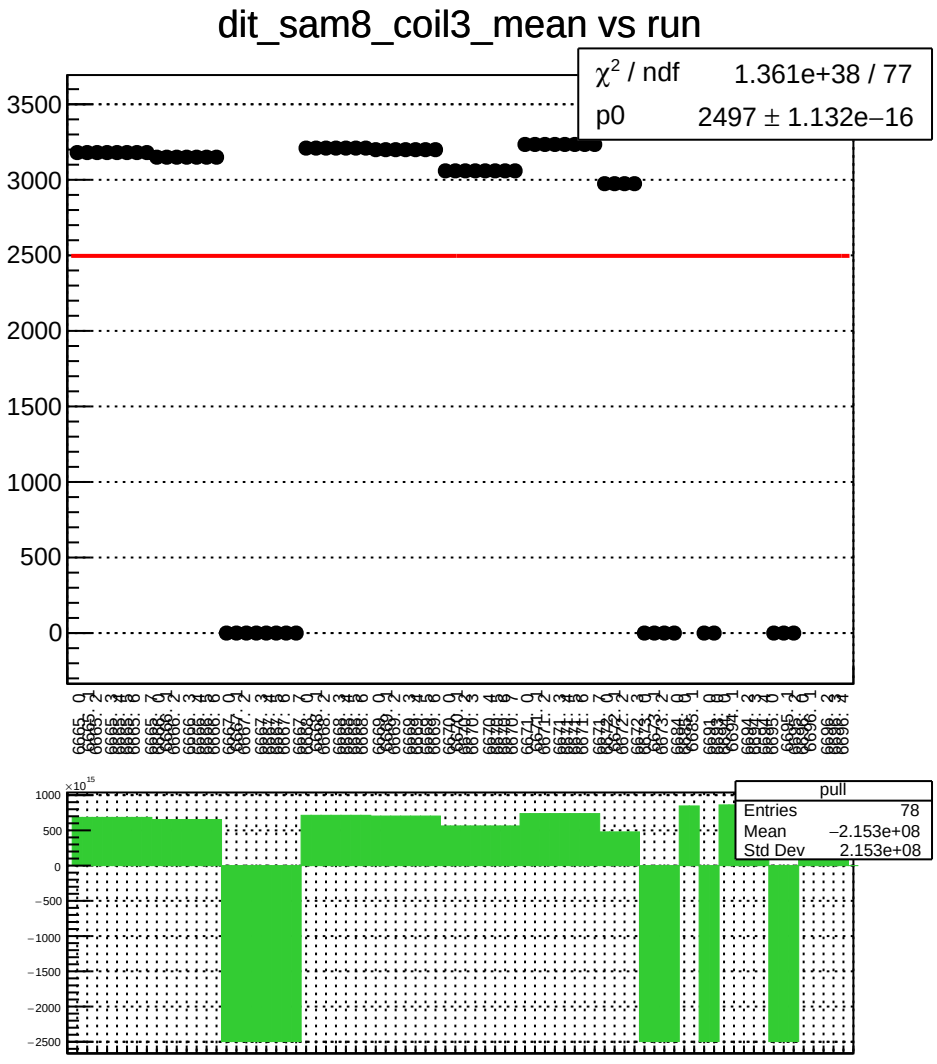
dit_sam7_coil3_err_mean vs run

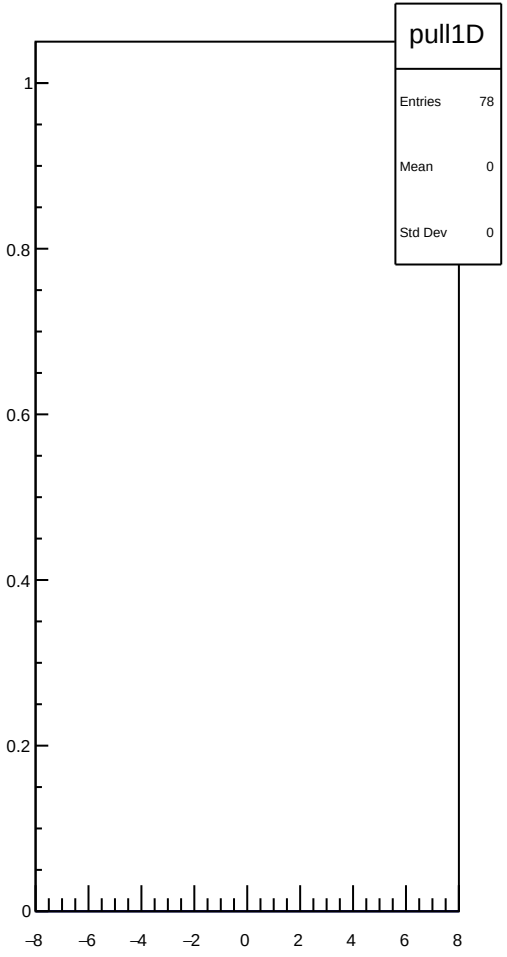


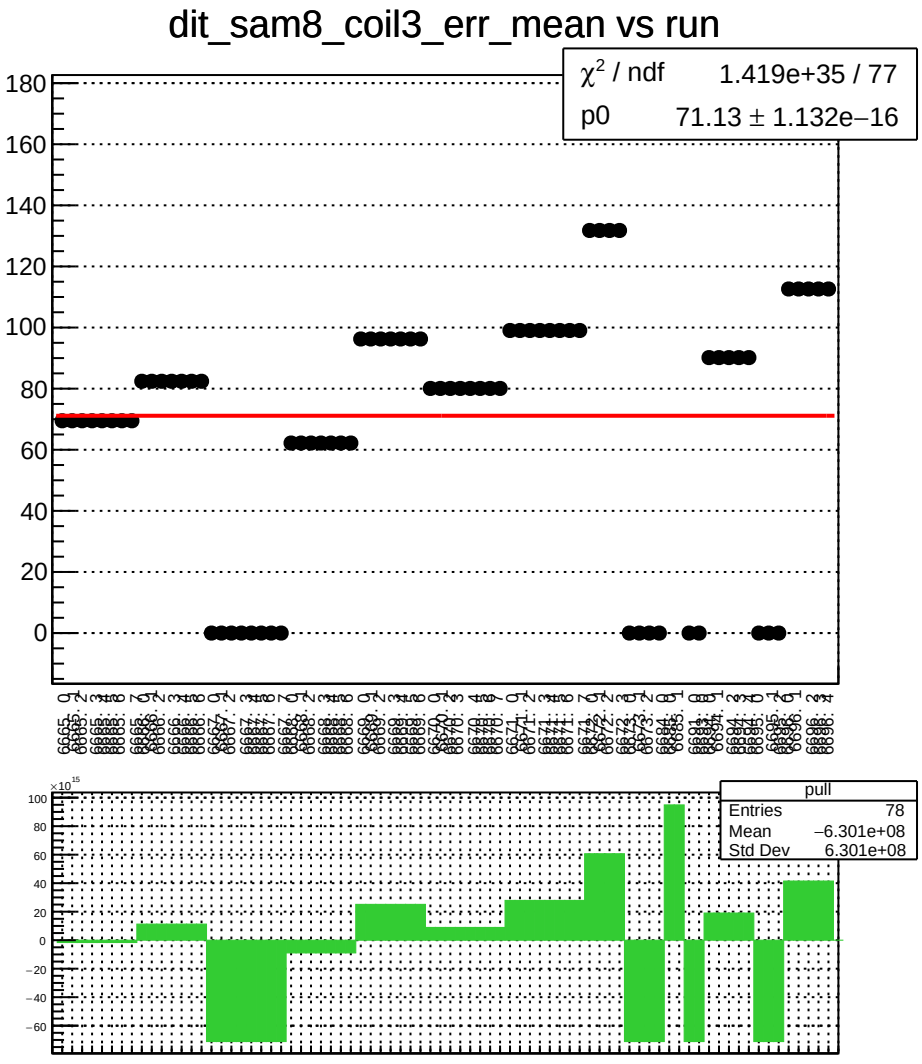


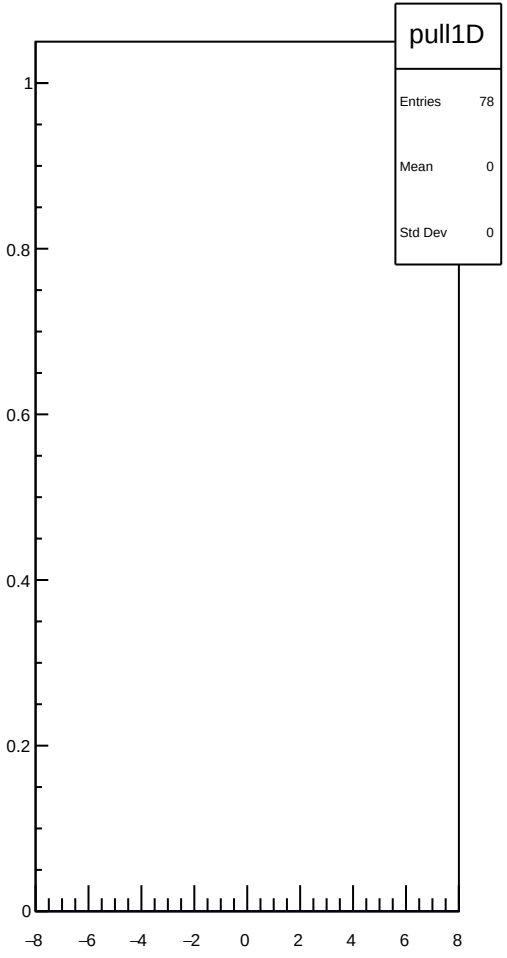

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
1000
500
0
−500
−1000

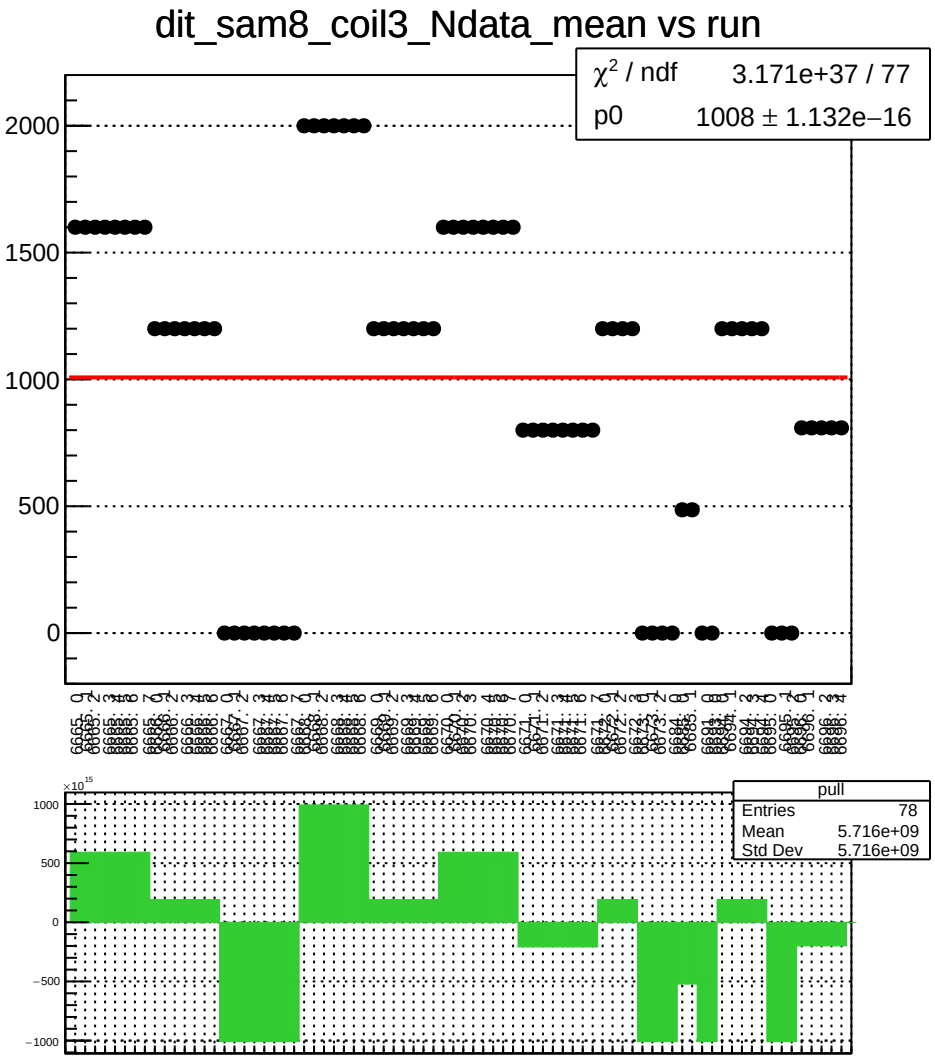

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

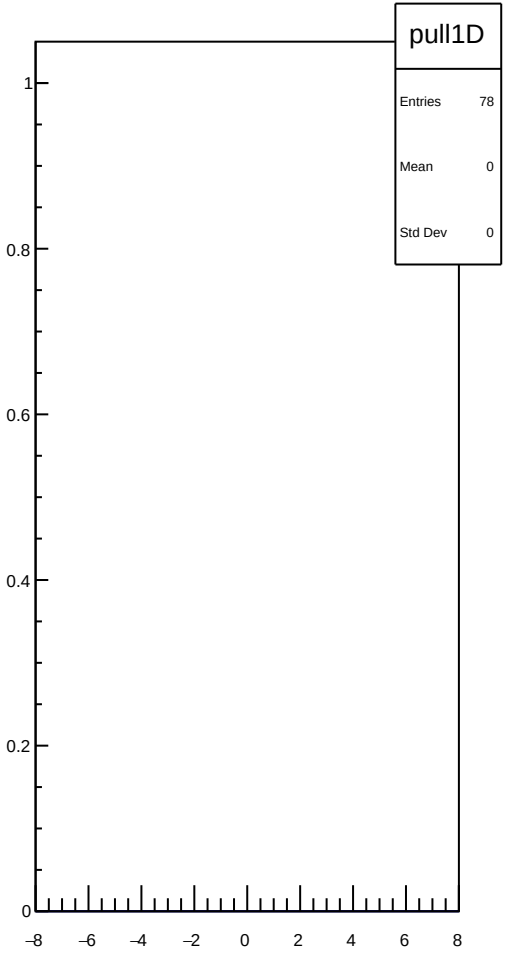

dit_sam8_coil3_mean vs run
χ^2 / ndf 1.361e+38 / 77
p0 2497 ± 1.132e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean −2.153e+08
Std Dev 2.153e+08
1000
500
0
−500
−1000
−1500
−2000
−2500

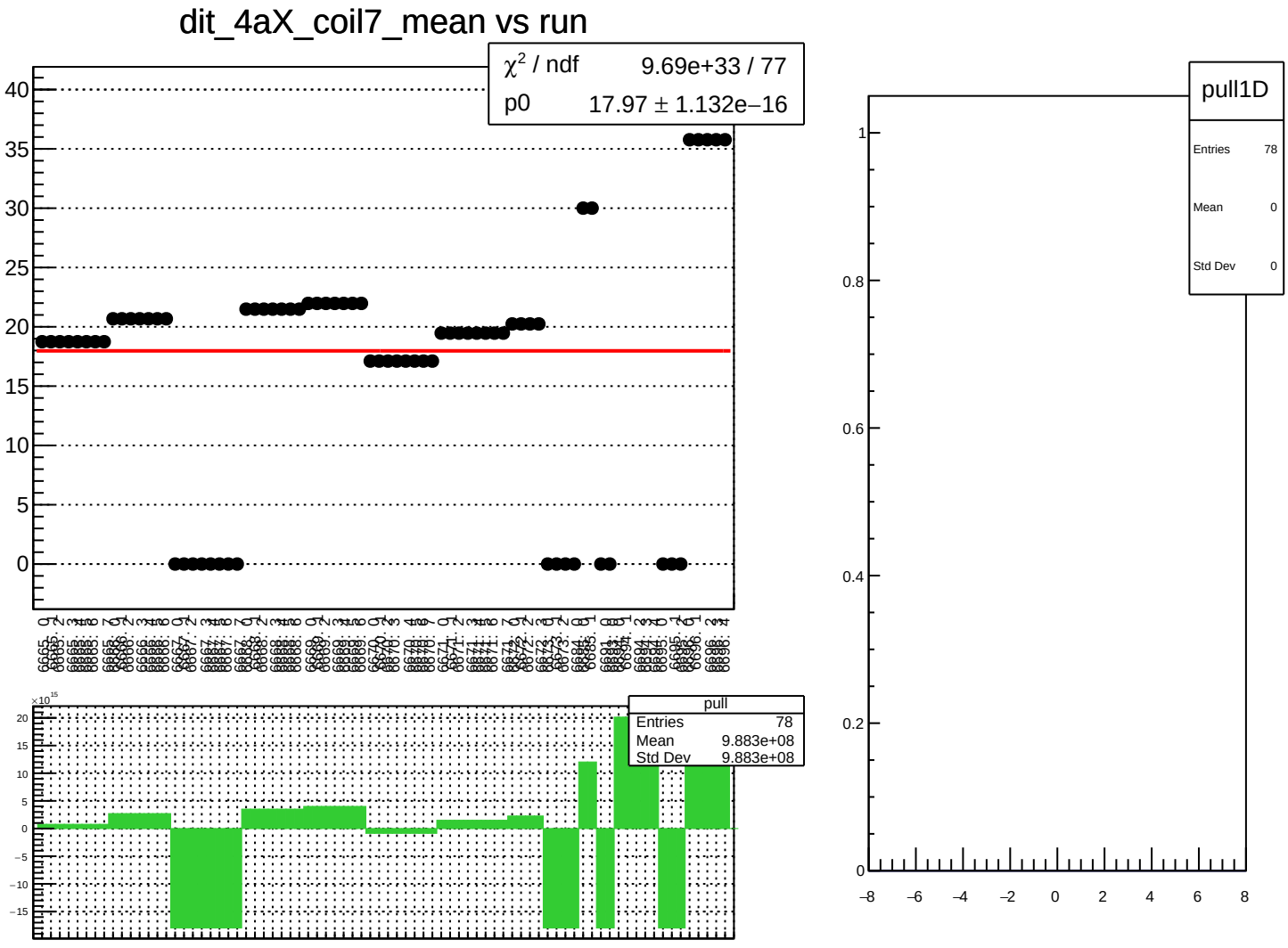

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil3_err_mean vs run
χ² / ndf 1.419e+35 / 77
p0 71.13 ± 1.132e−16
pull
Entries 78
Mean −6.301e+08
Std Dev 6.301e+08

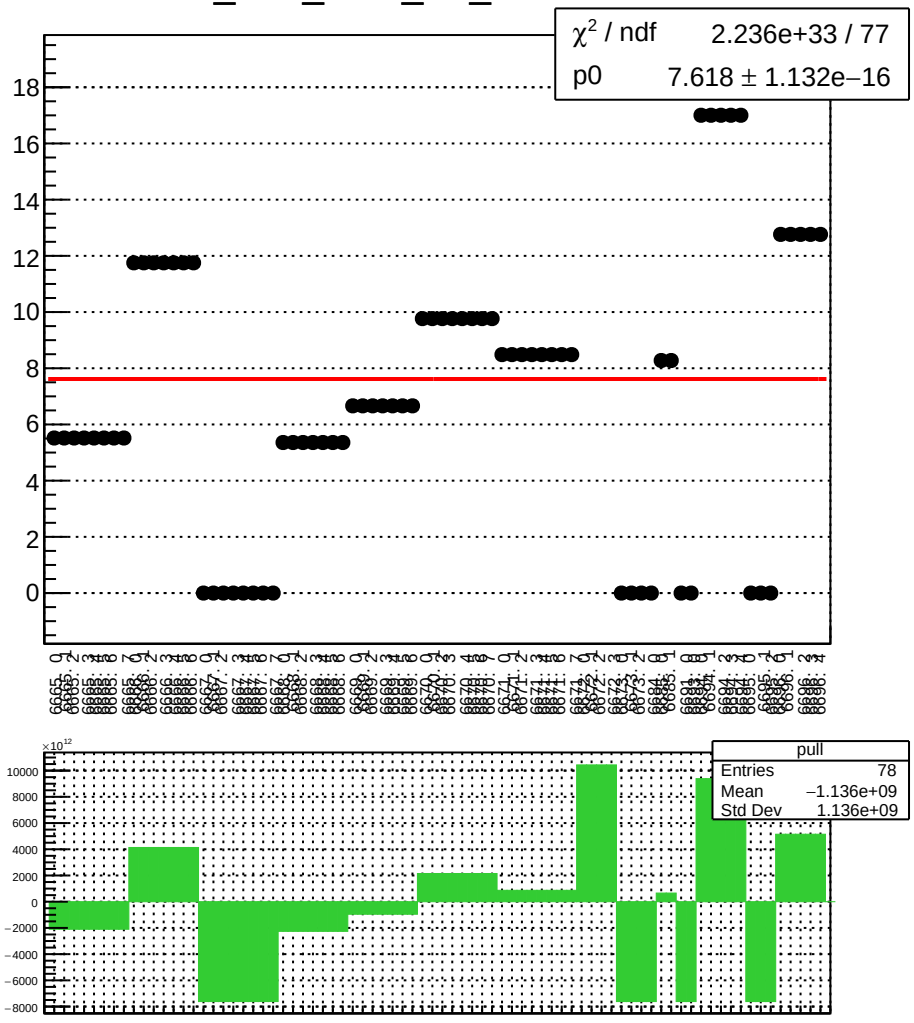

pull1D
Entries 78
Mean 0
Std Dev 0

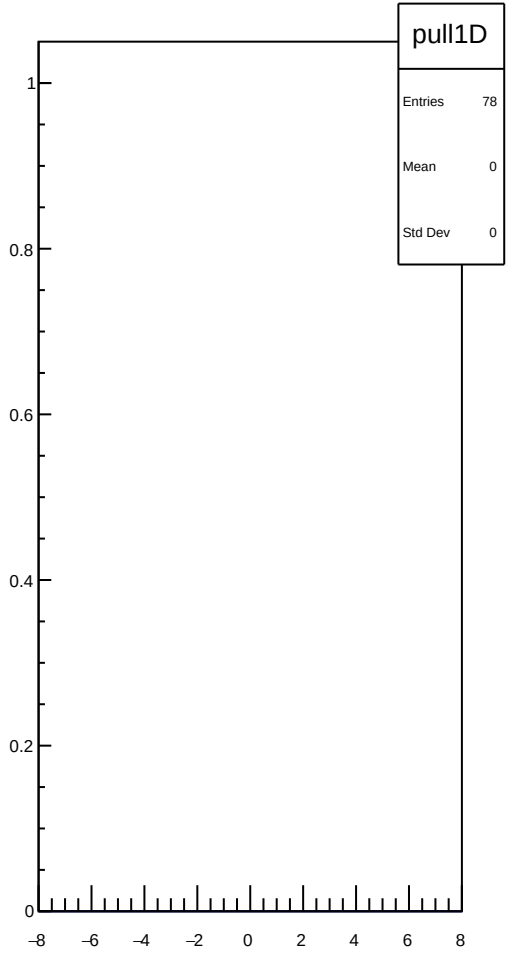

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 3.171e+37 / 77
p0 1008 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.716e+09
Std Dev 5.716e+09
×10¹⁵
1000
500
0
−500
−1000


pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

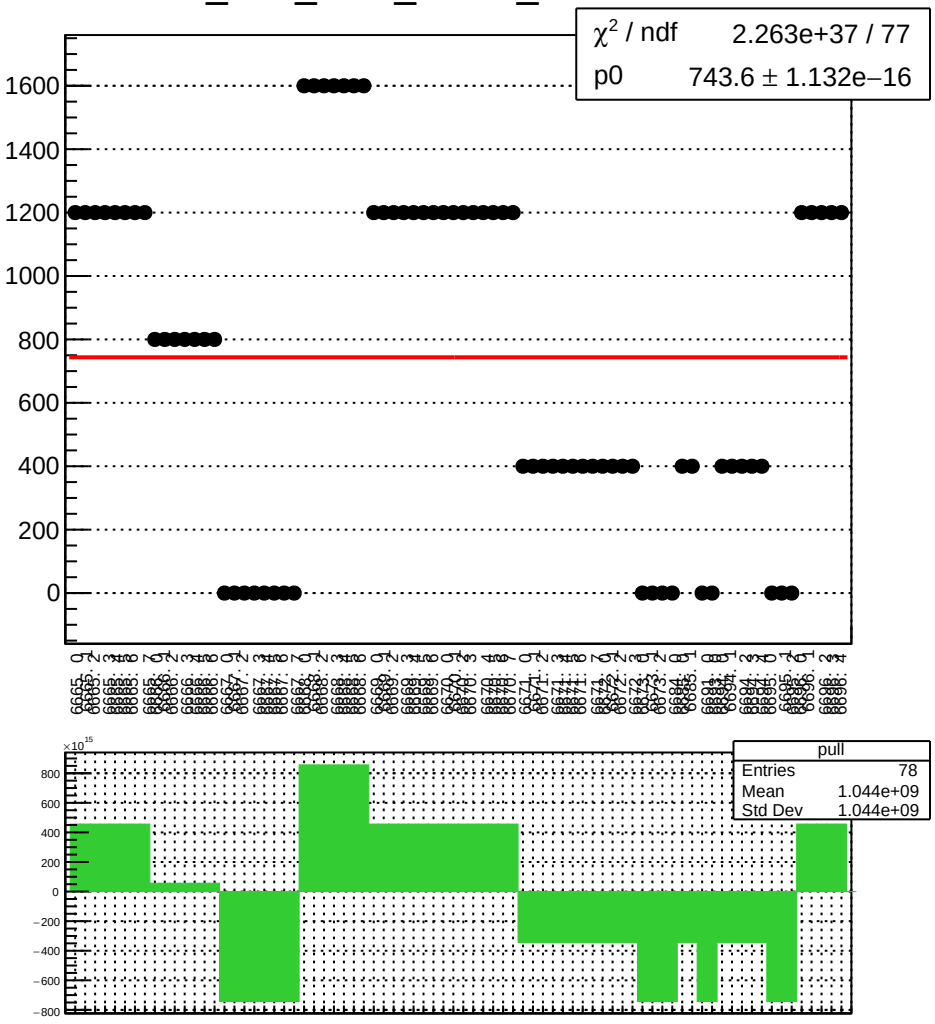

dit_4aX_coil7_mean vs run
χ^2 / ndf 9.69e+33 / 77
p0 17.97 ± 1.132e−16
pull
Entries 78
Mean 9.883e+08
Std Dev 9.883e+08
pull1D
Entries 78
Mean 0
Std Dev 0

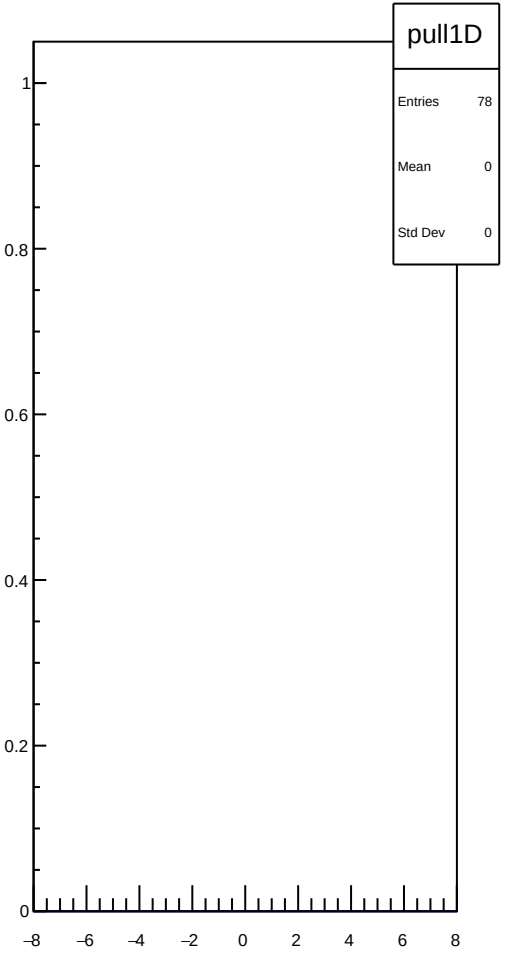
dit_4aX_coil7_err_mean vs run



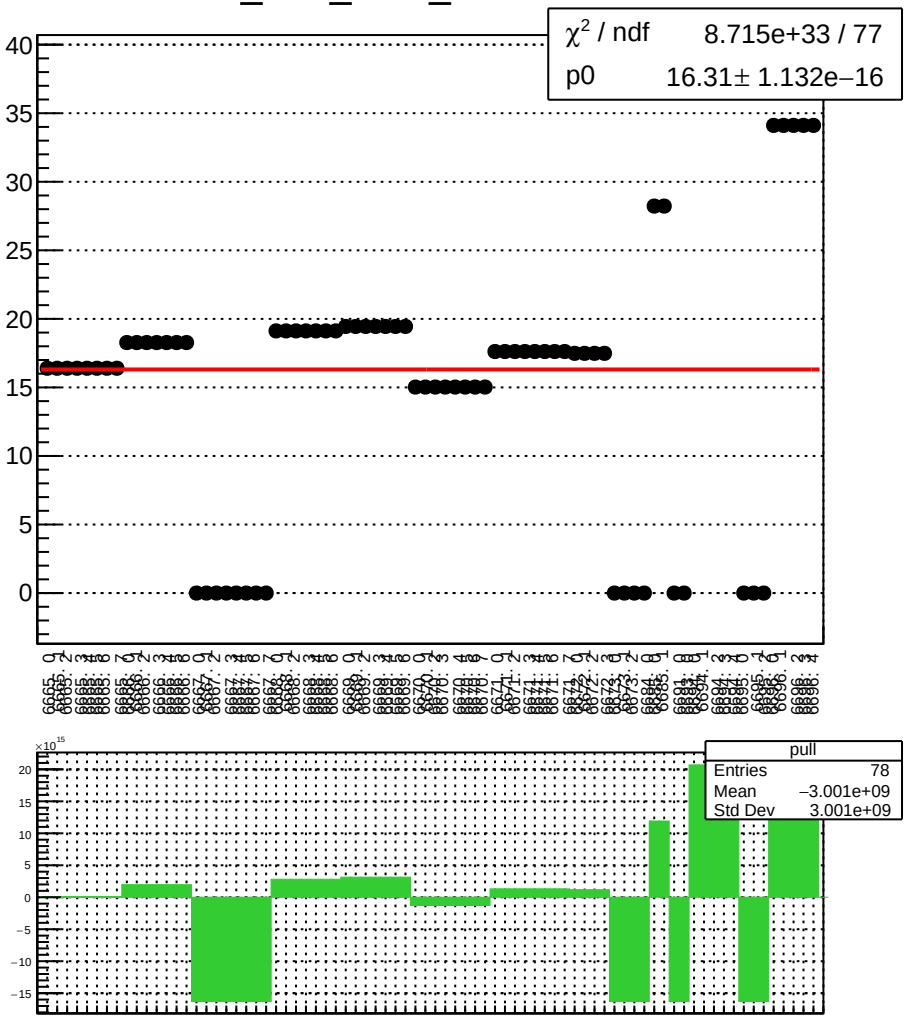


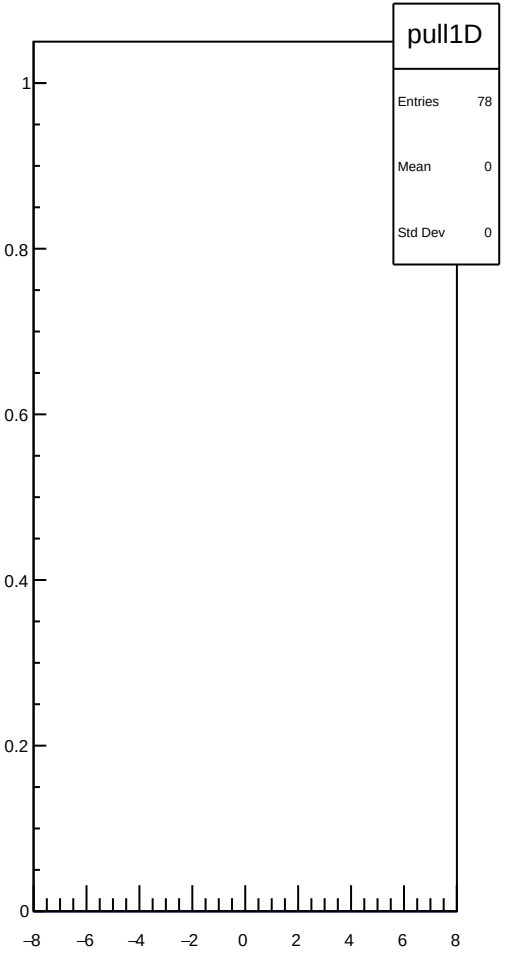
dit_4aX_coil7_Ndata_mean vs run



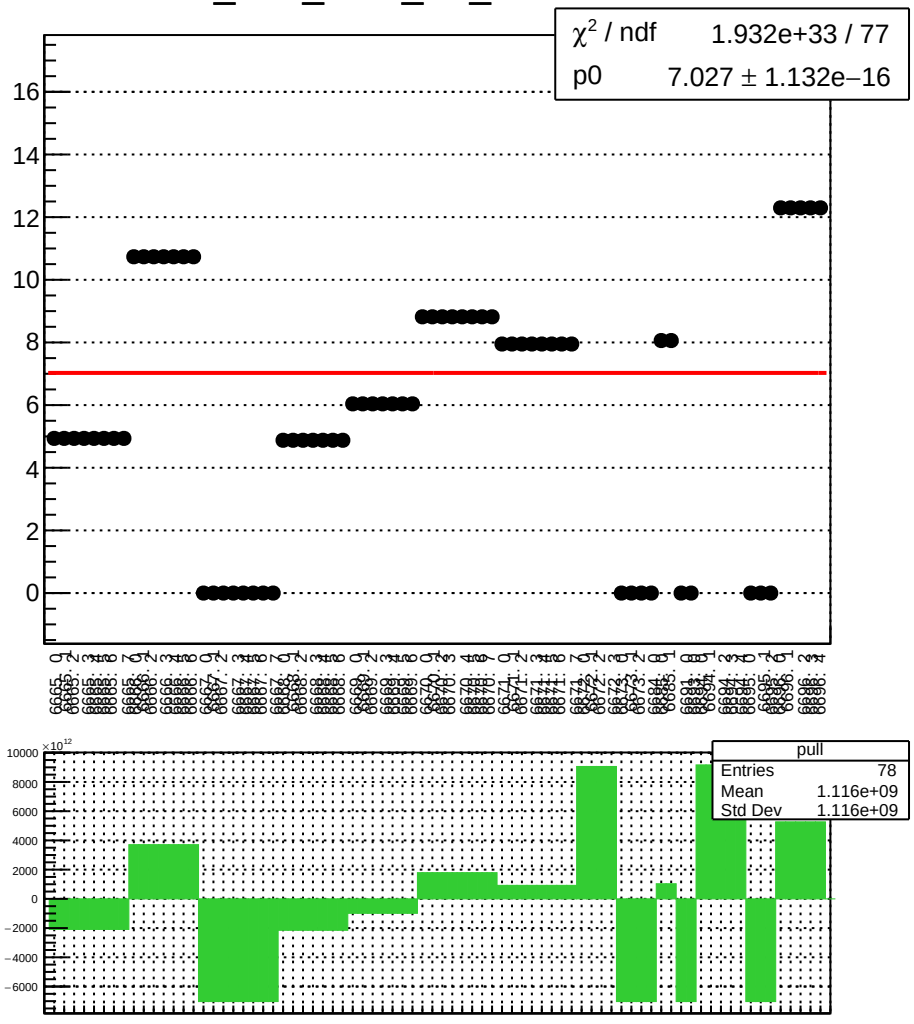


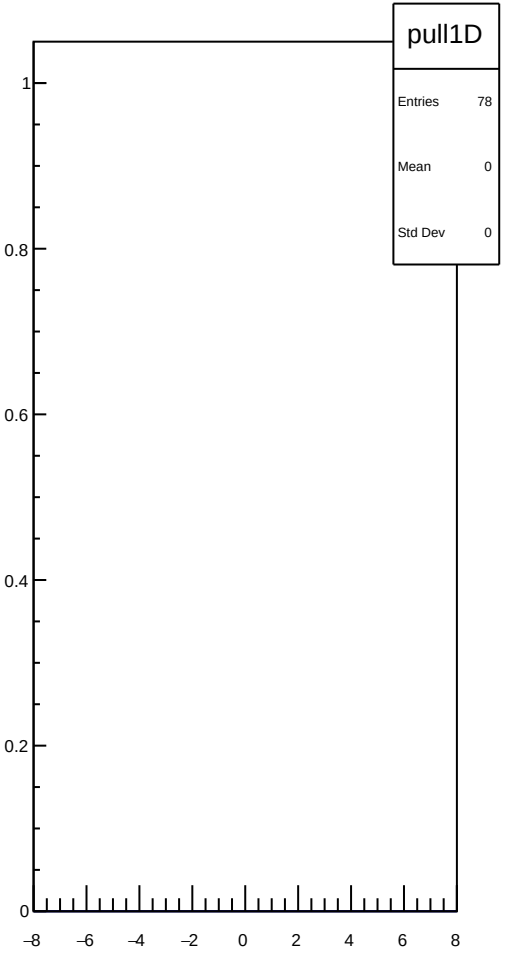
dit_4eX_coil7_mean vs run



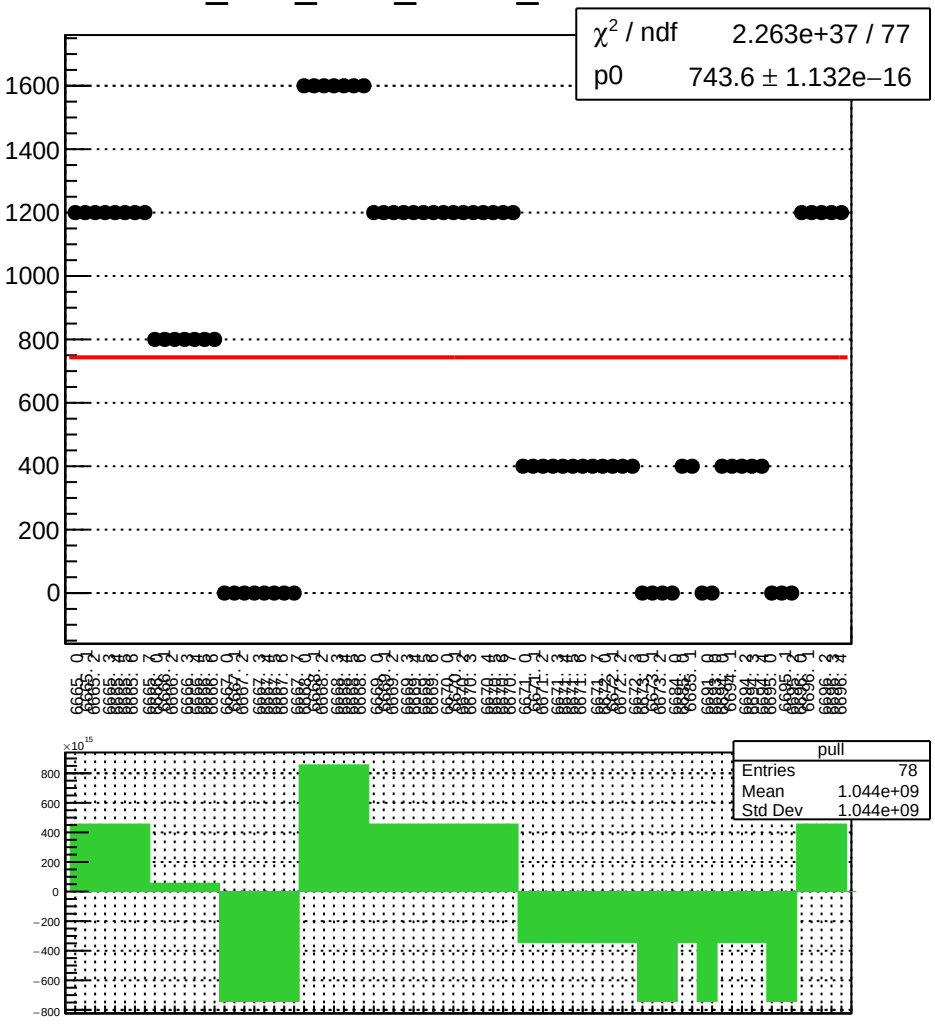


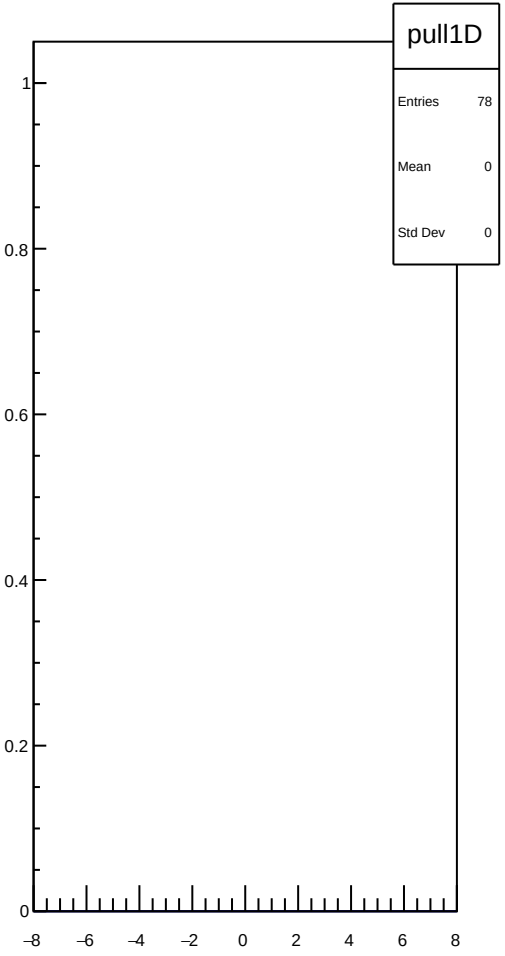
dit_4eX_coil7_err_mean vs run



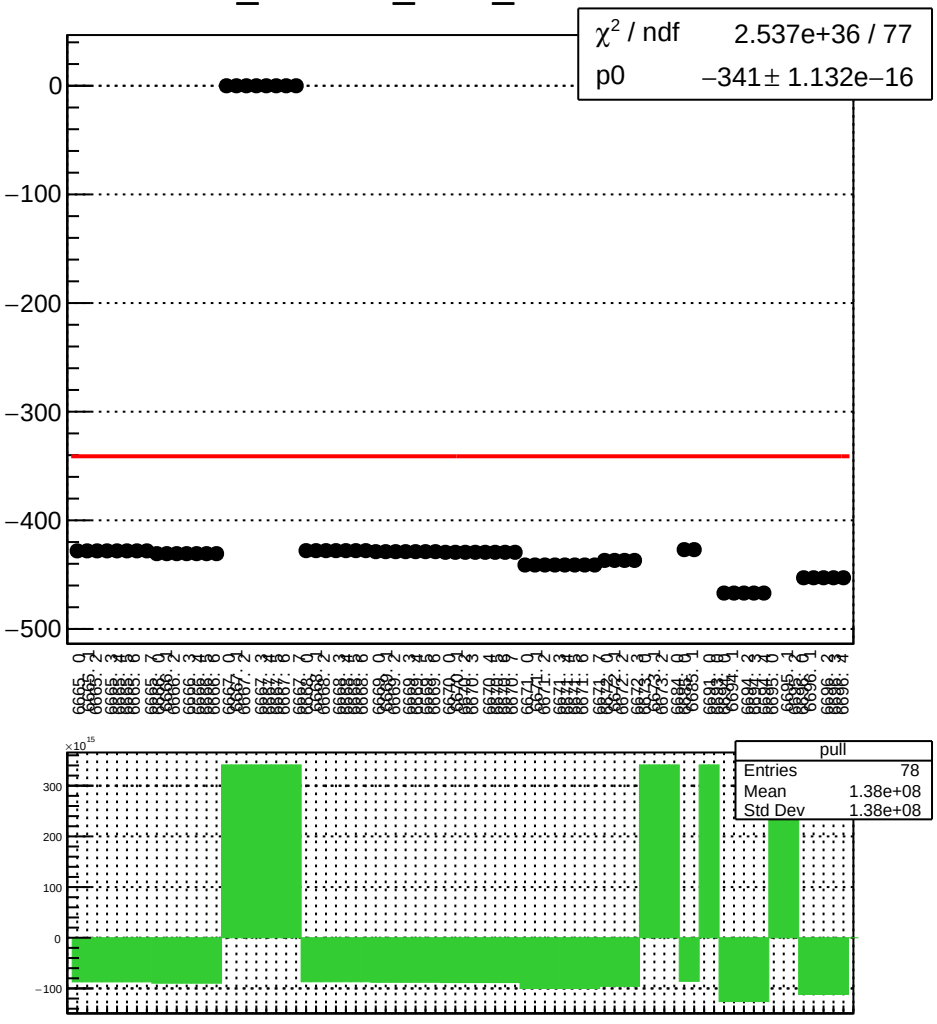


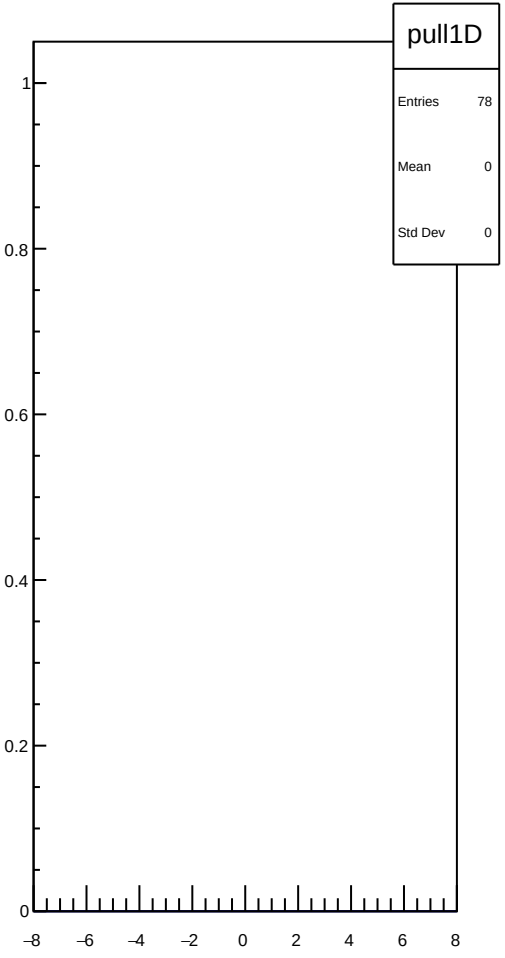
dit_4eX_coil7_Ndata_mean vs run



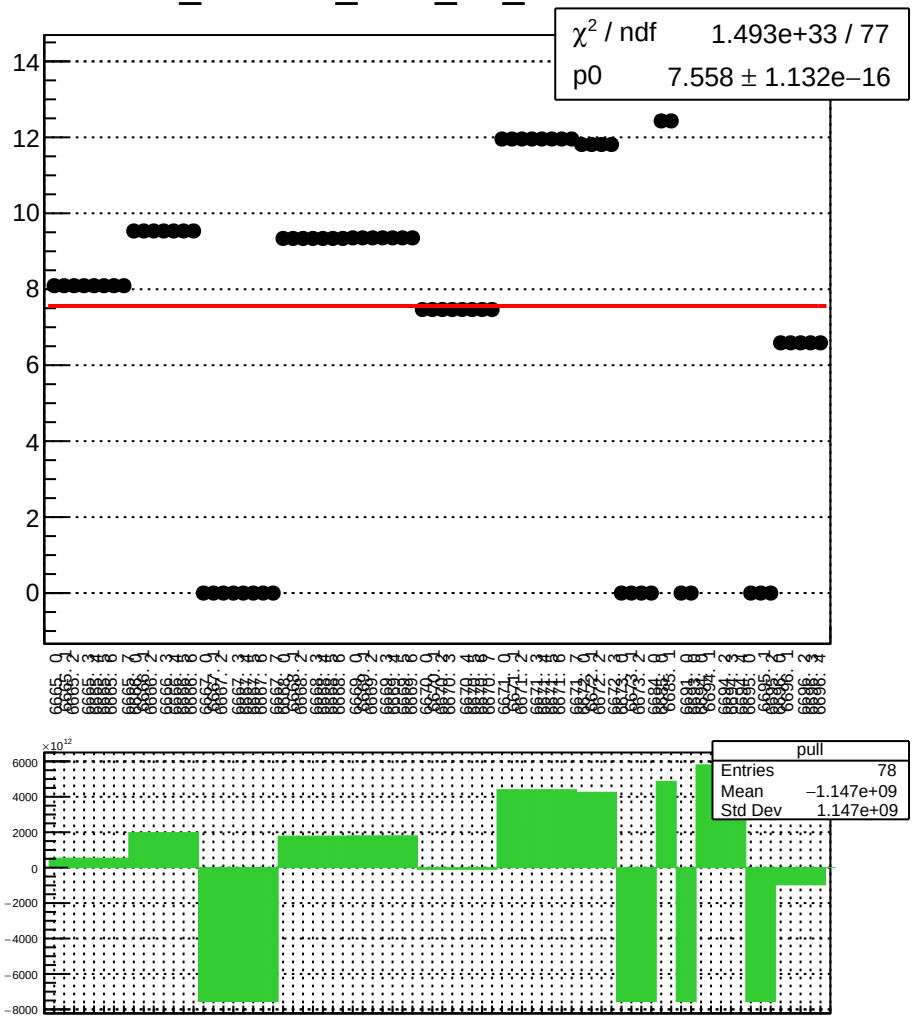


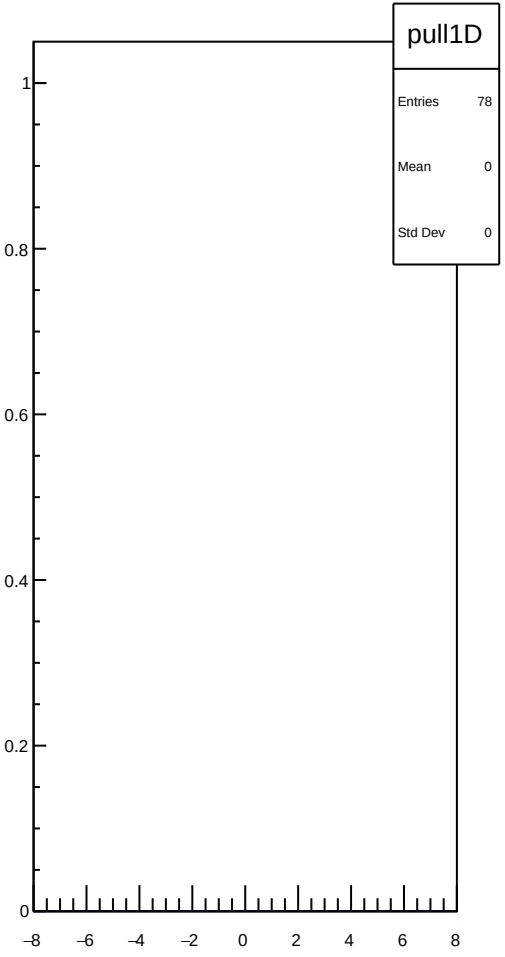
dit_11X12X_coil7_mean vs run



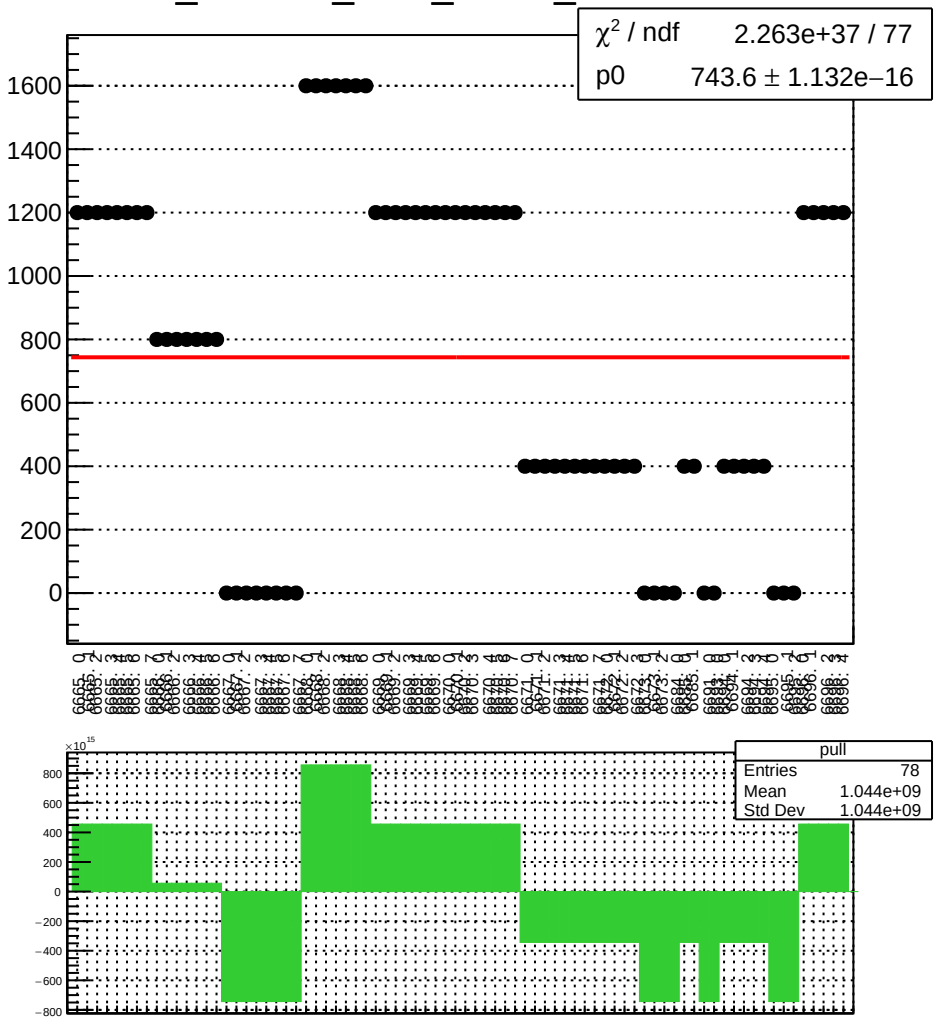


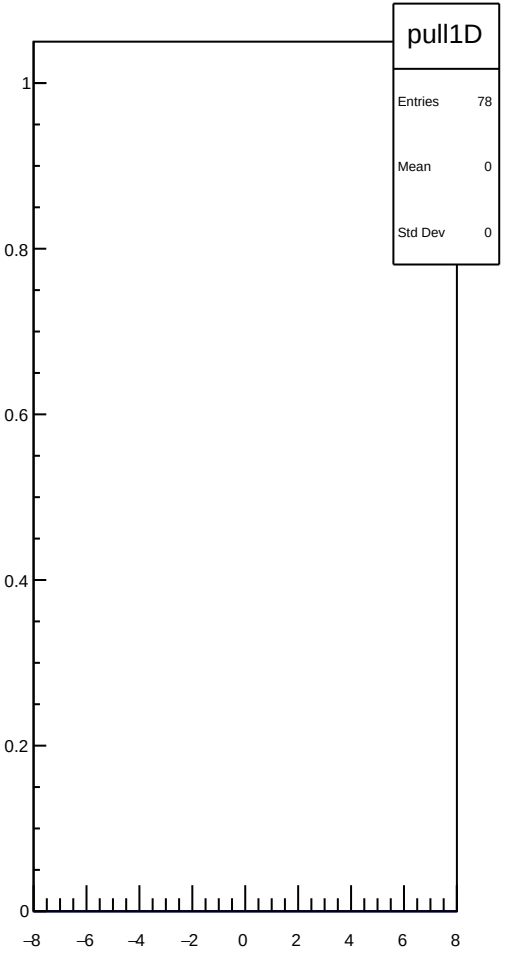
dit_11X12X_coil7_err_mean vs run

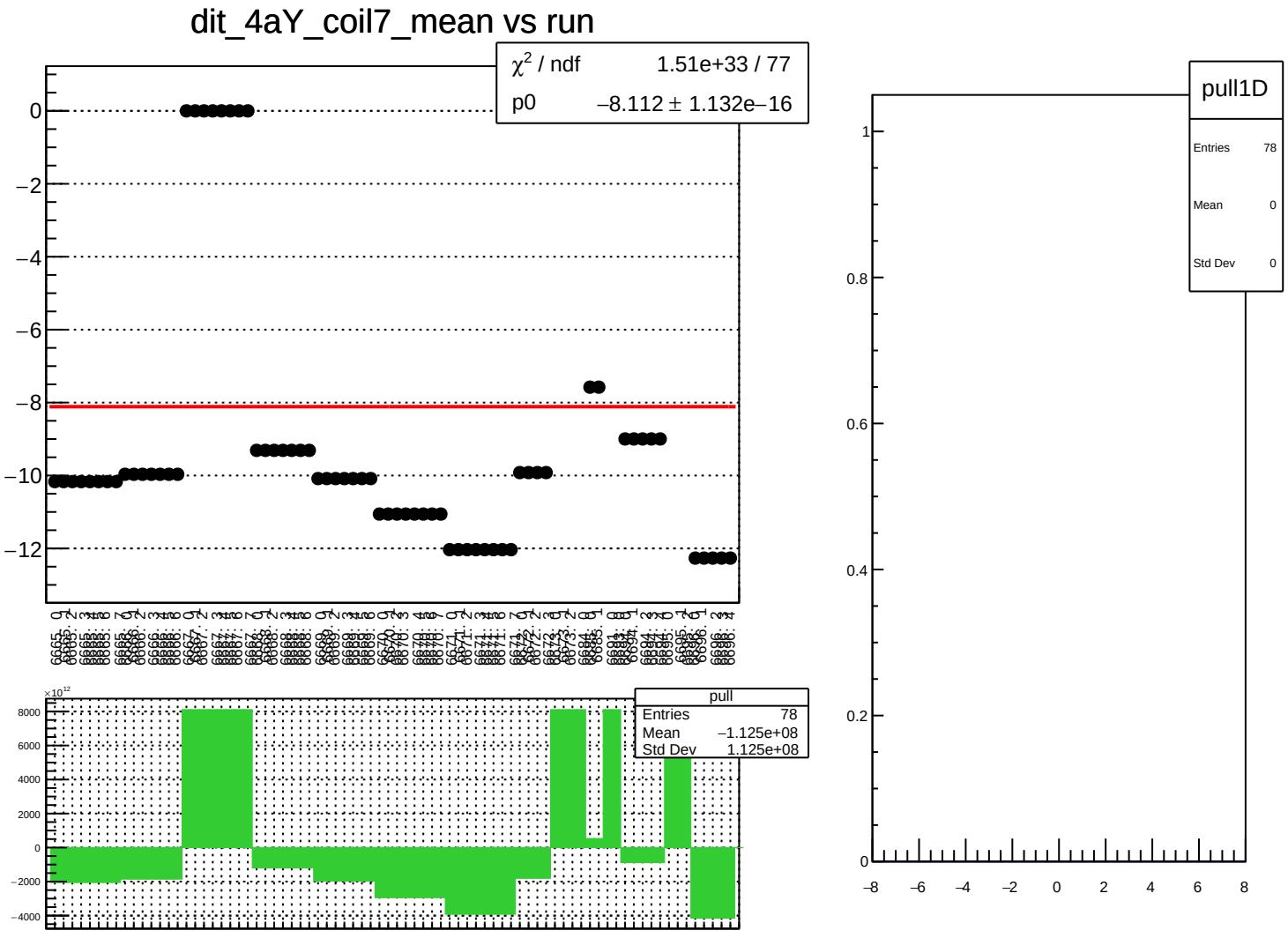




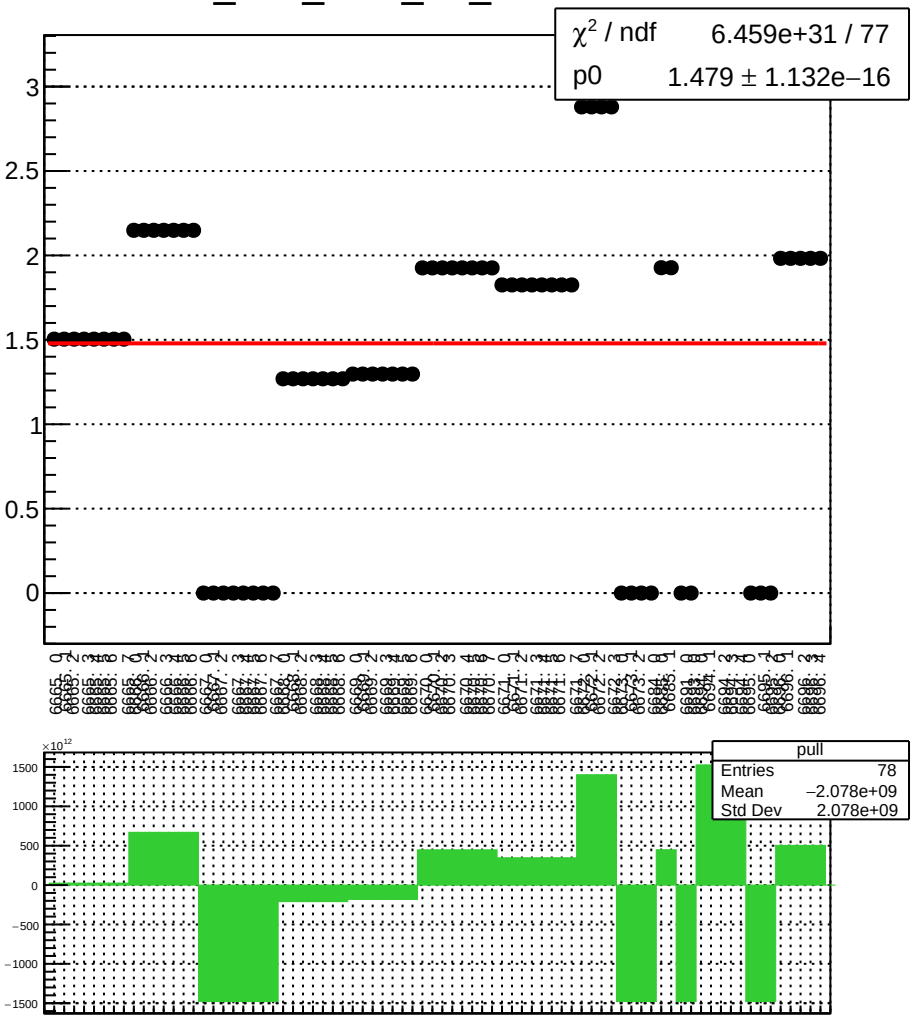
dit_11X12X_coil7_Ndata_mean vs run

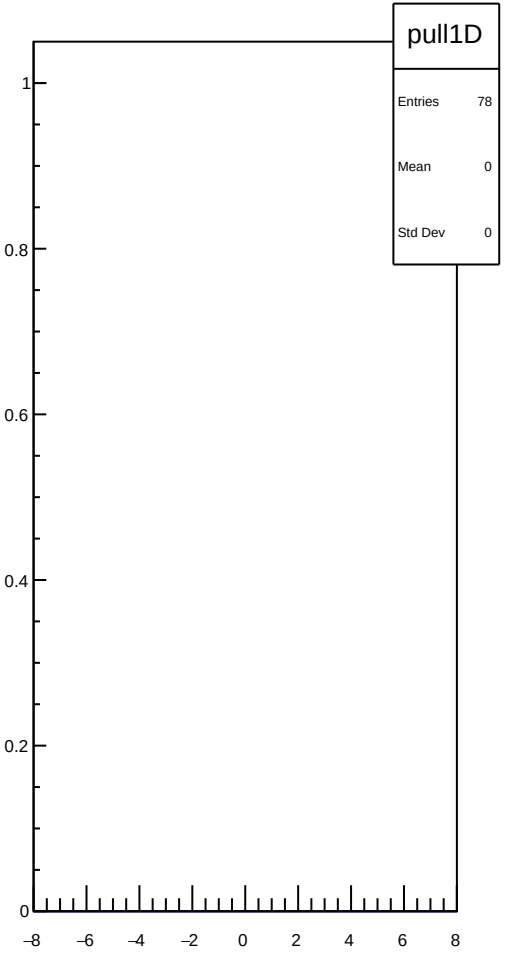




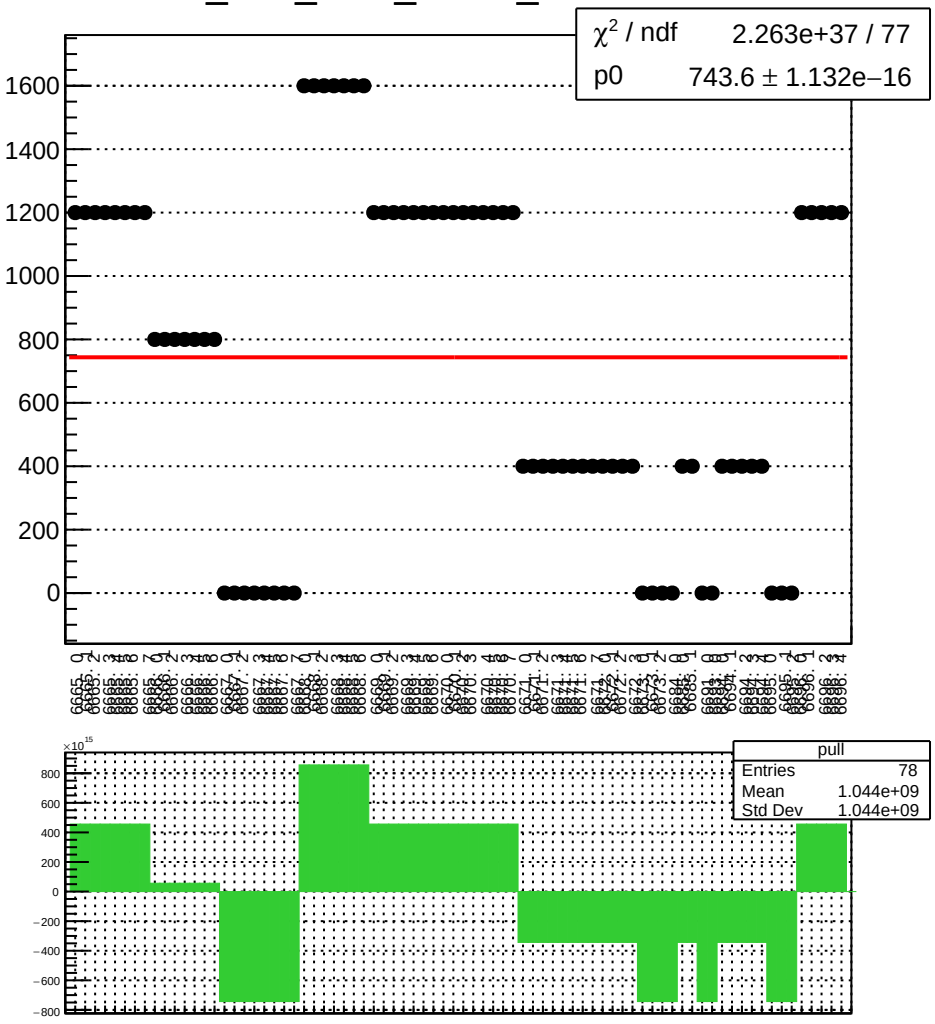

dit_4aY_coil7_mean vs run
χ² / ndf 1.51e+33 / 77
p0 −8.112 ± 1.132e−16
pull
Entries 78
Mean −1.125e+08
Std Dev 1.125e+08
pull1D
Entries 78
Mean 0
Std Dev 0

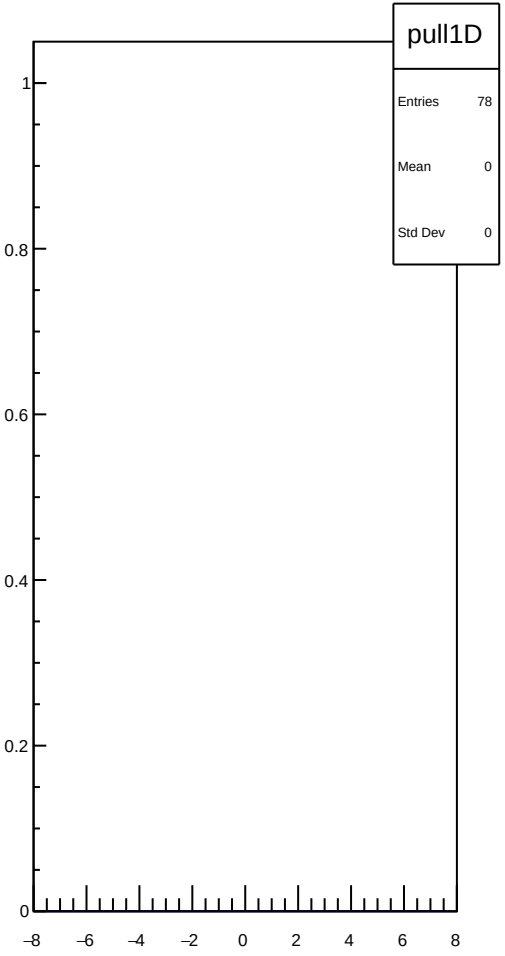
dit_4aY_coil7_err_mean vs run

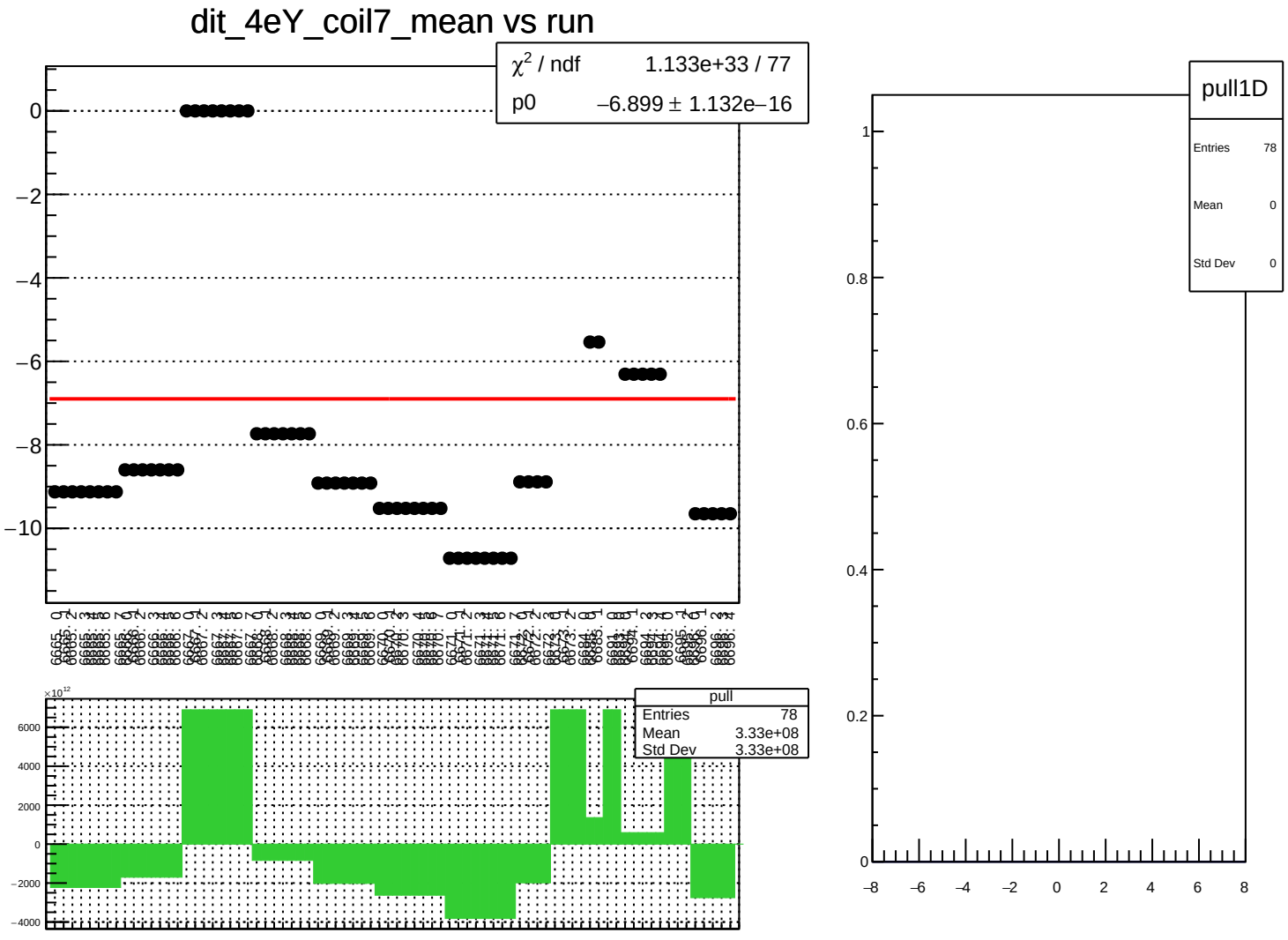




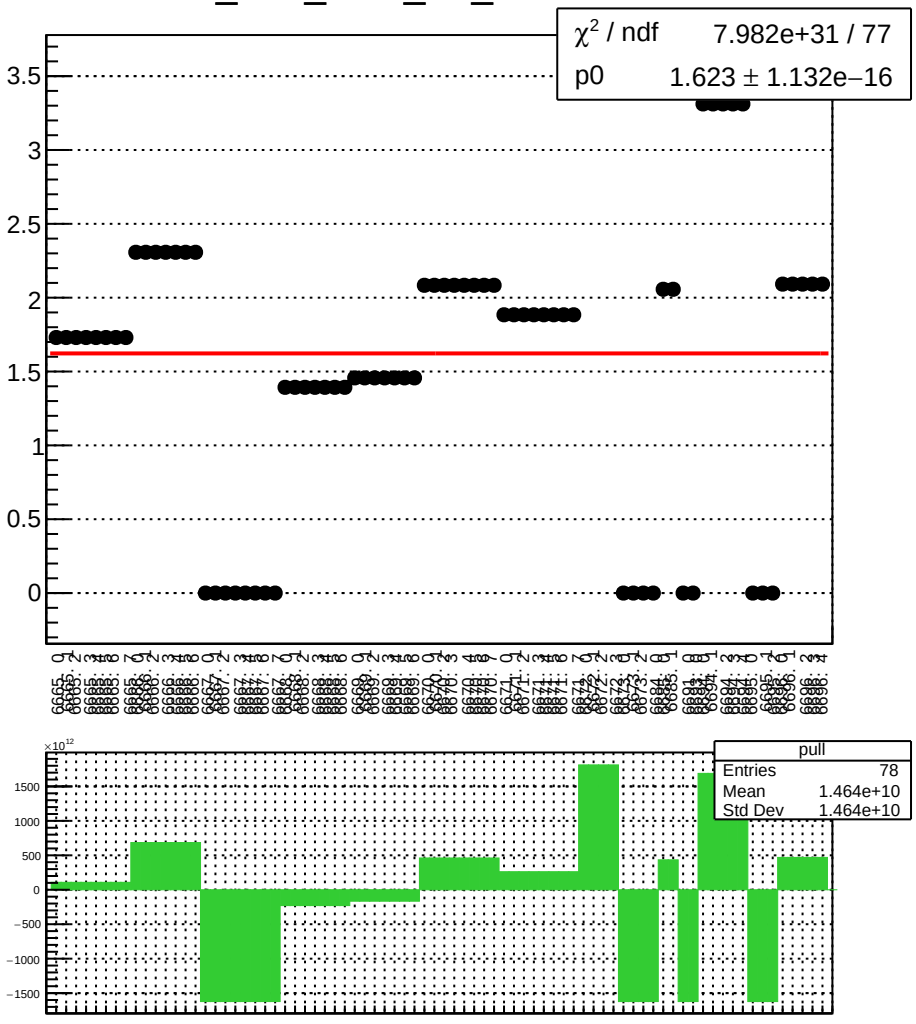
dit_4aY_coil7_Ndata_mean vs run

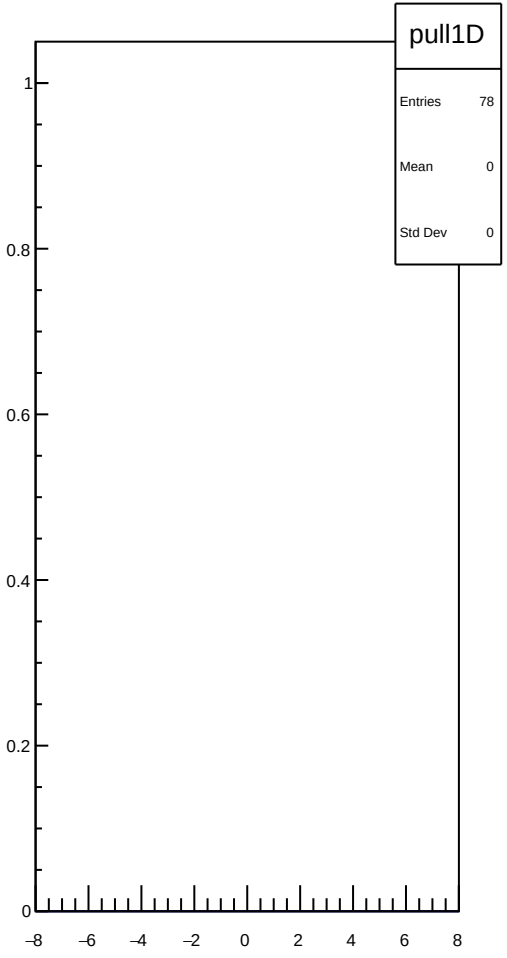




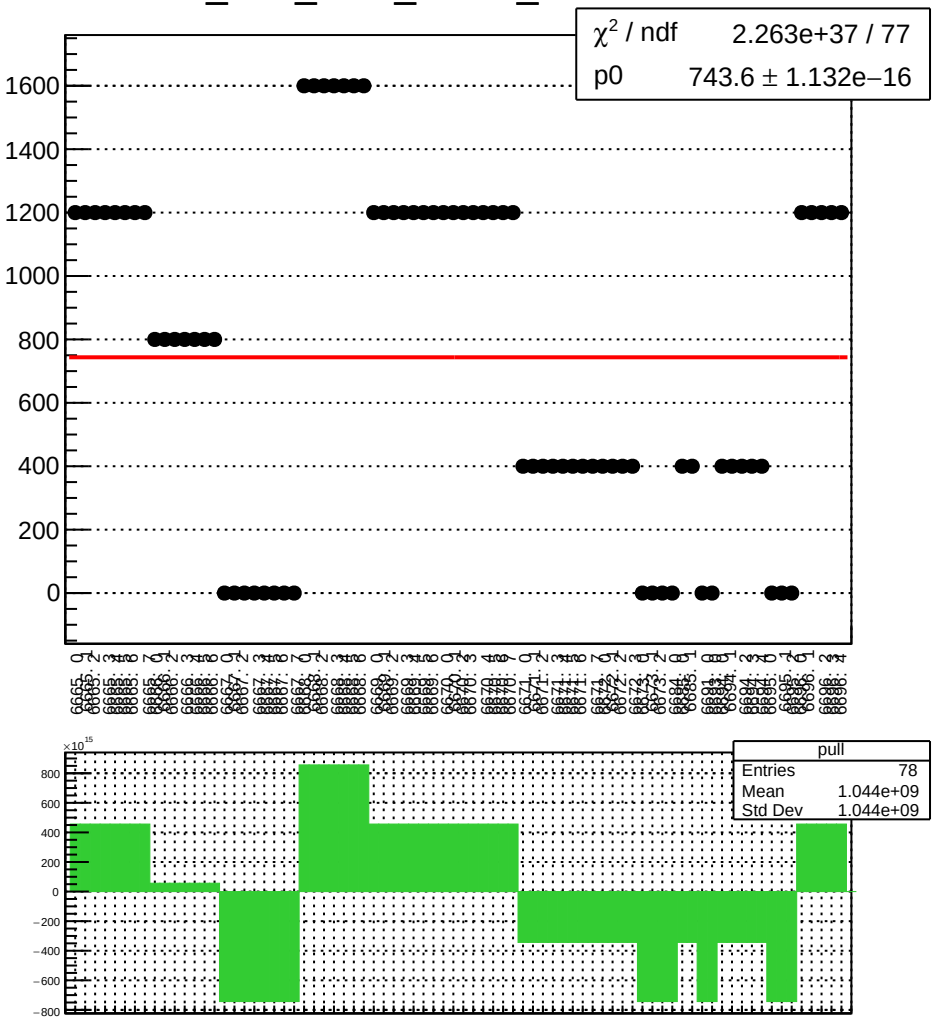

dit_4eY_coil7_mean vs run
χ^2 / ndf 1.133e+33 / 77
p0 −6.899 ± 1.132e−16
pull
Entries 78
Mean 3.33e+08
Std Dev 3.33e+08
pull1D
Entries 78
Mean 0
Std Dev 0

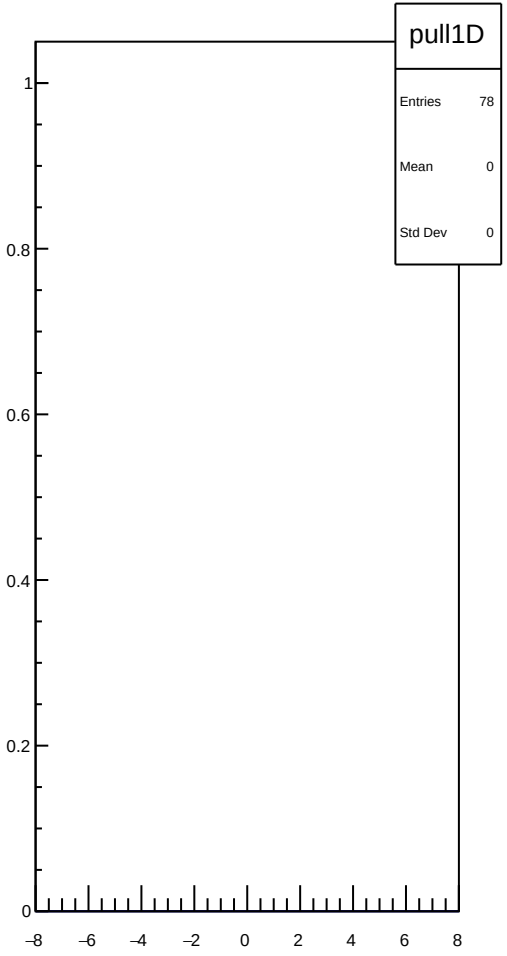
dit_4eY_coil7_err_mean vs run

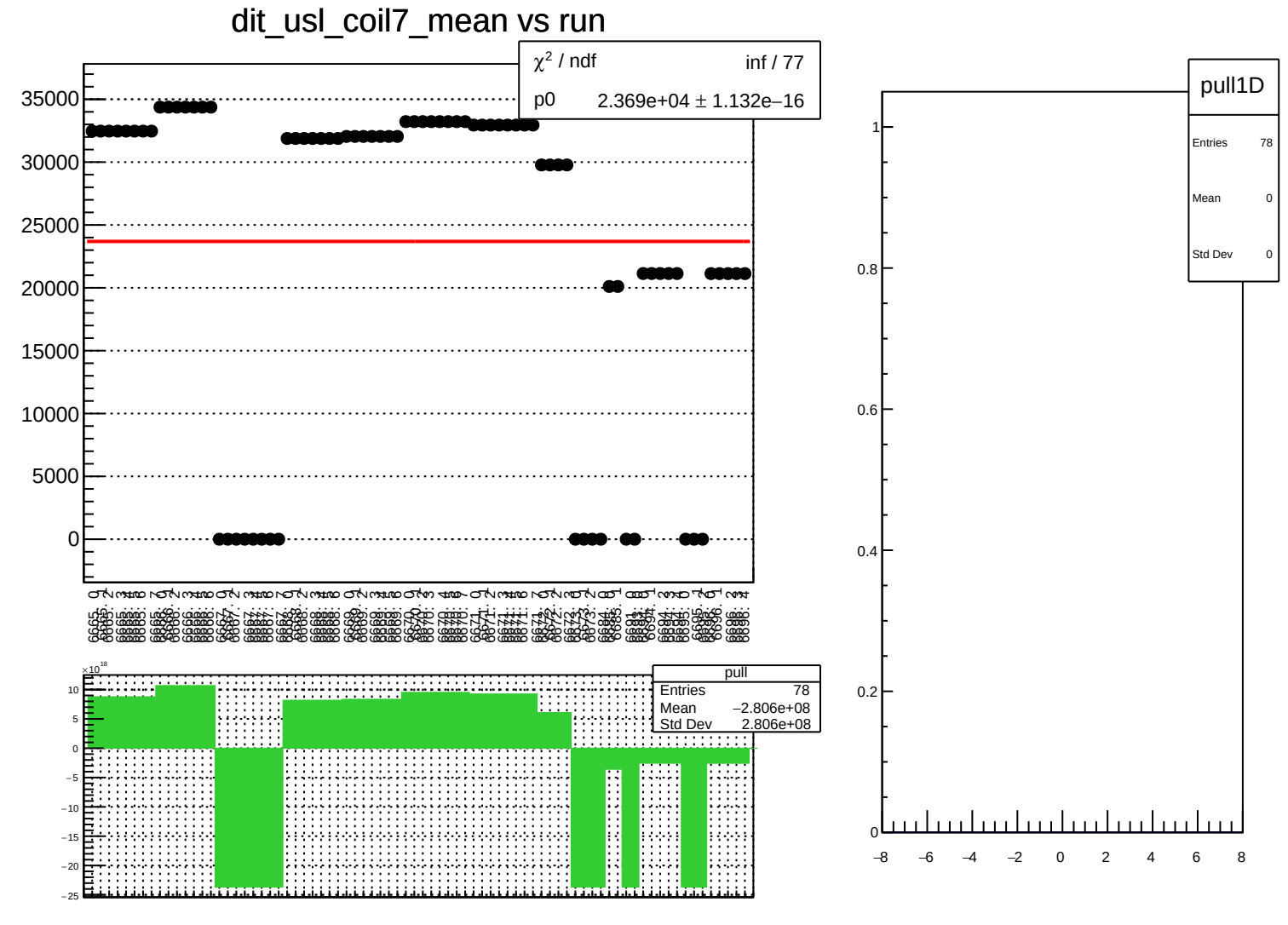




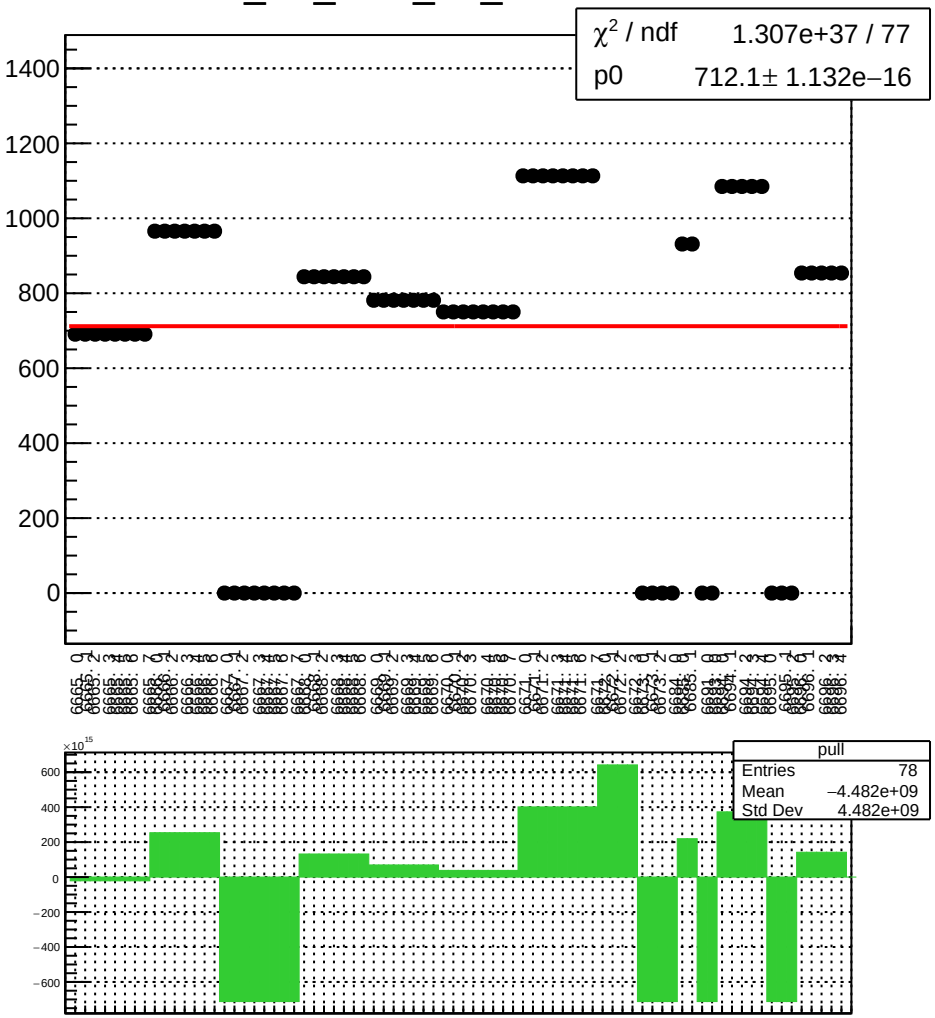
dit_4eY_coil7_Ndata_mean vs run

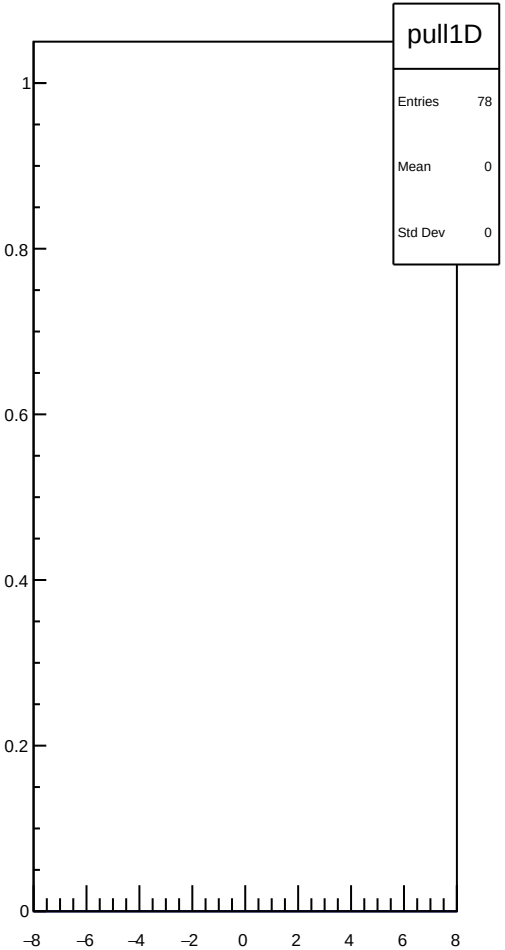




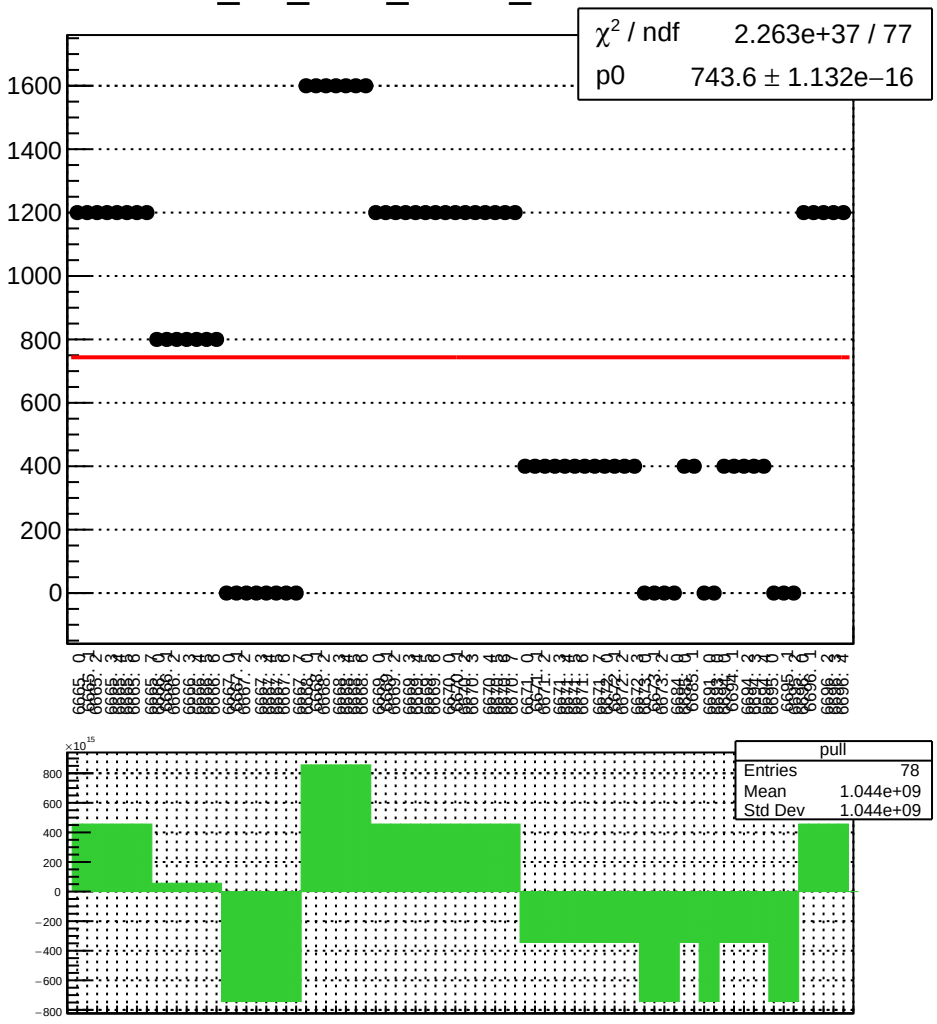

dit_usl_coil7_mean vs run
χ² / ndf inf / 77
p0 2.369e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.806e+08
Std Dev 2.806e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

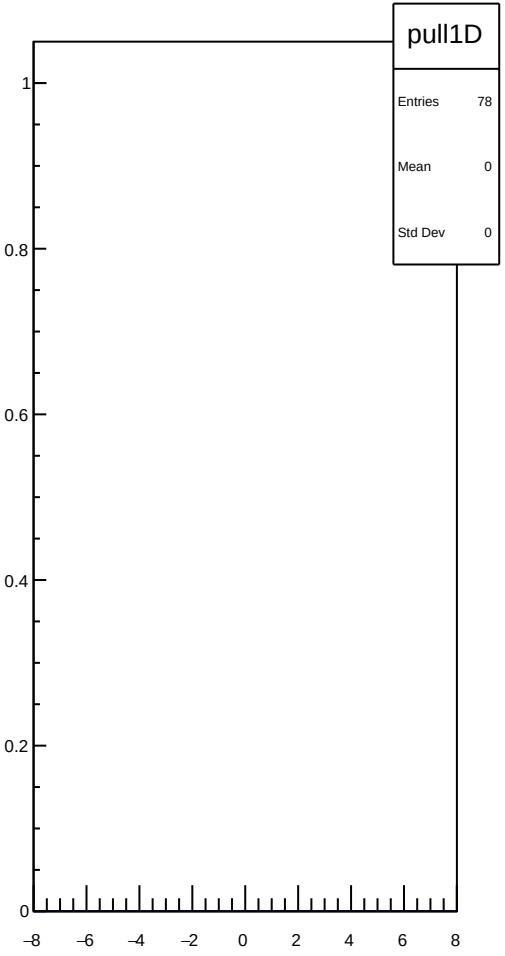
dit_usl_coil7_err_mean vs run

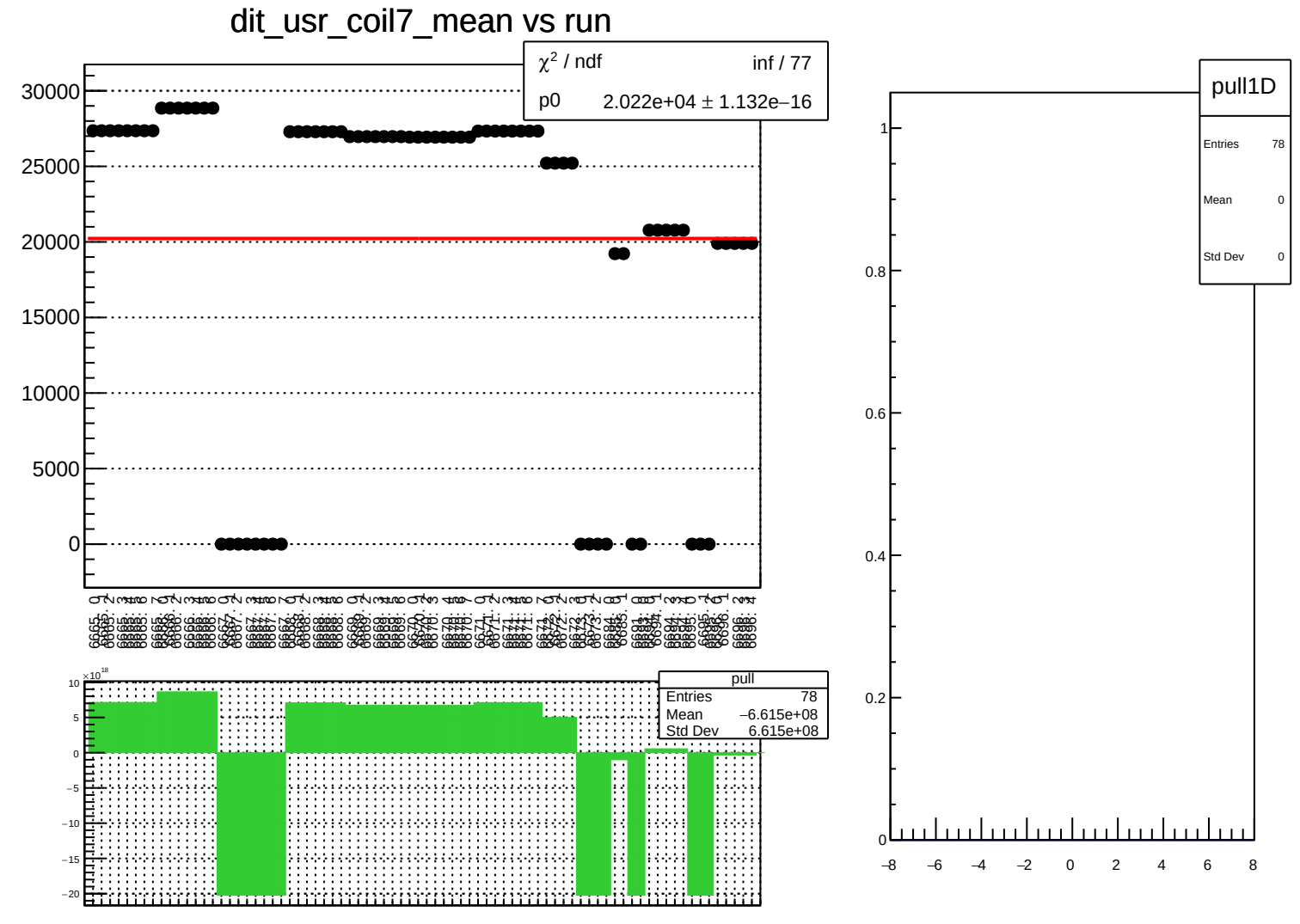


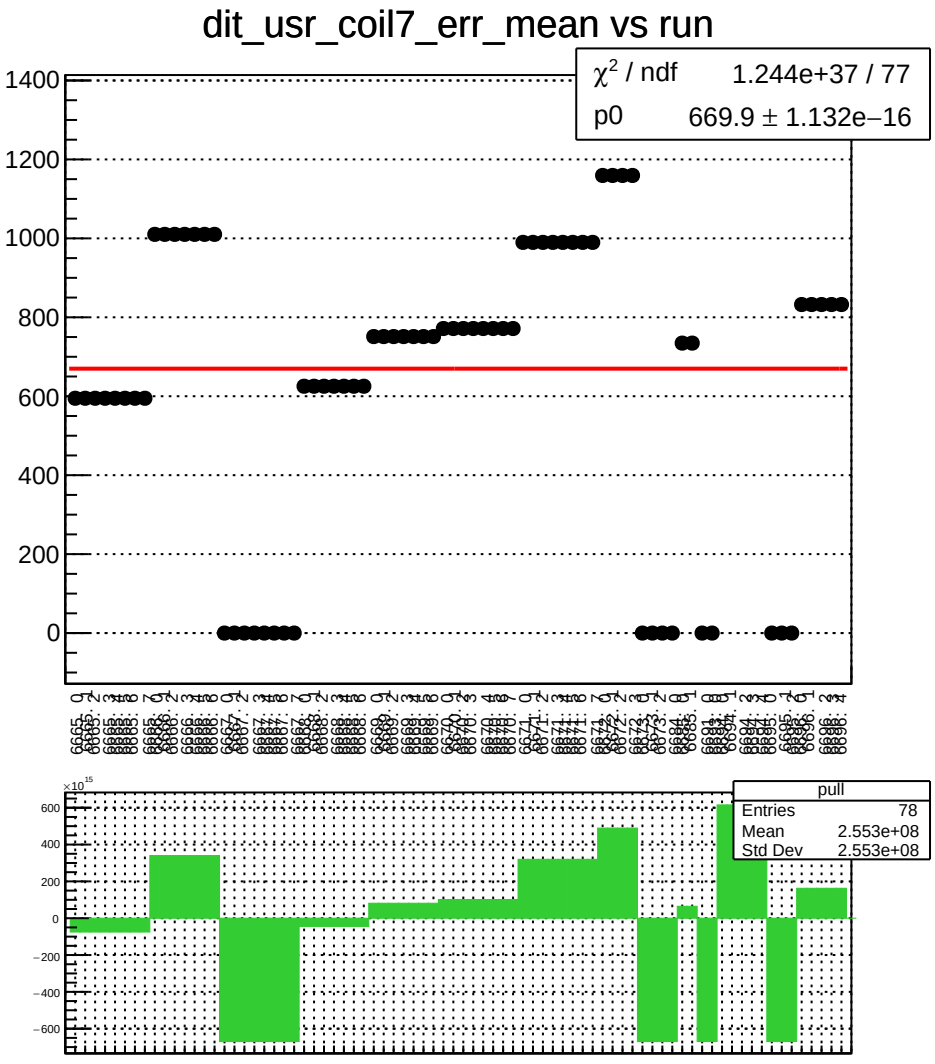


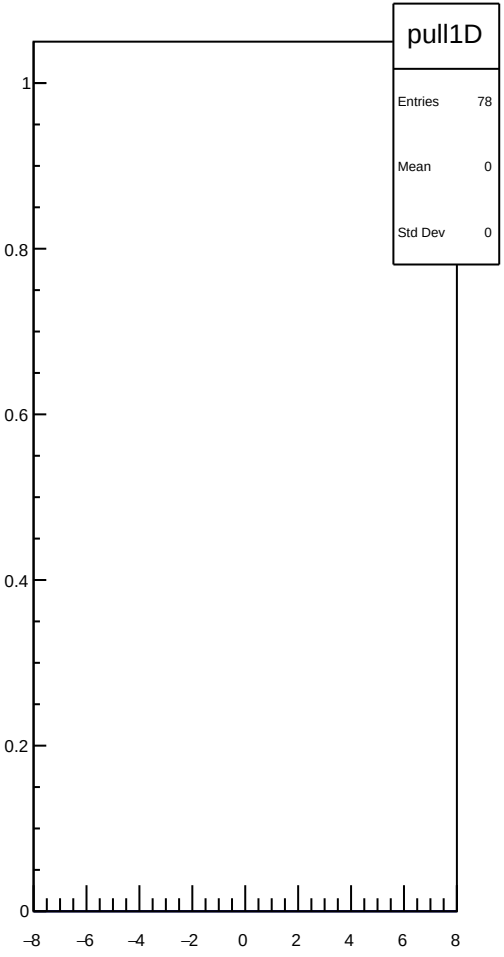
dit_usl_coil7_Ndata_mean vs run



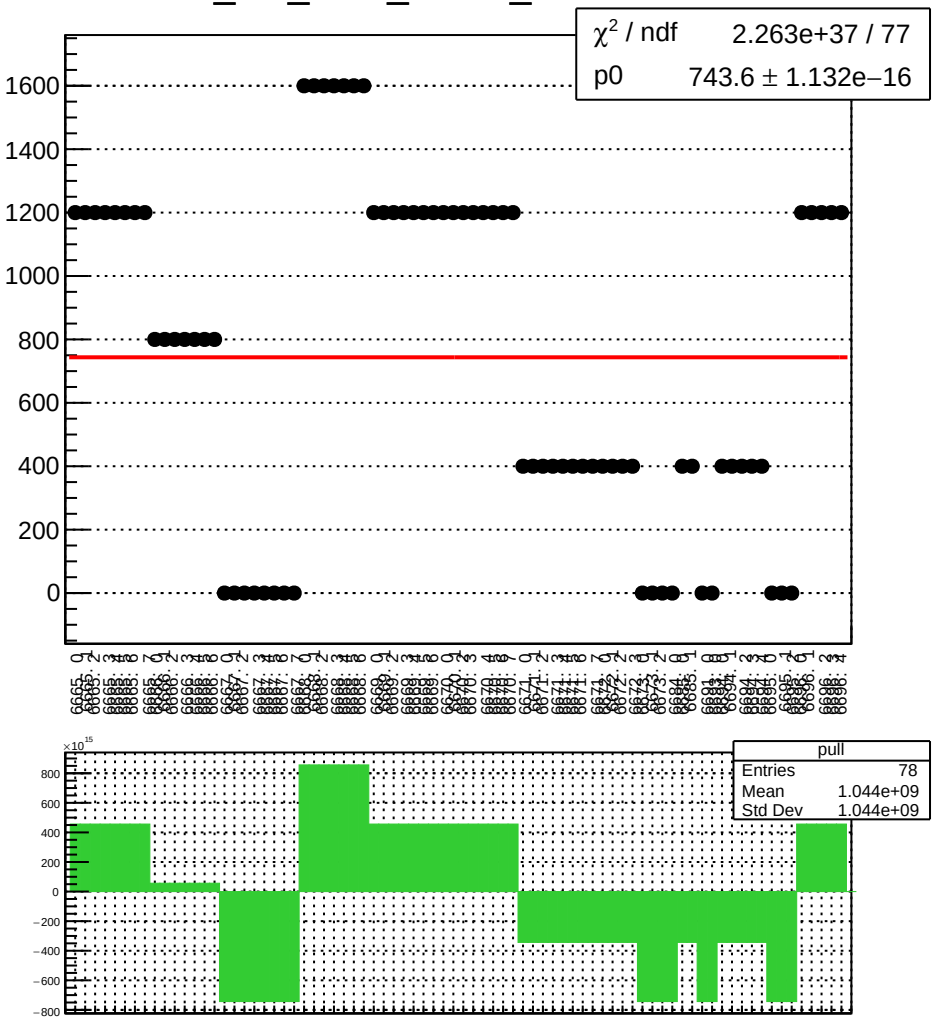


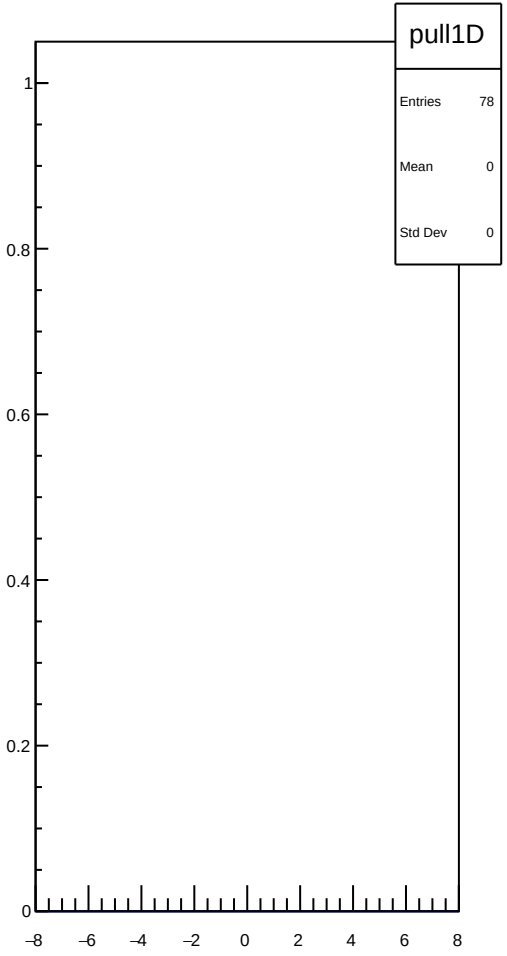

dit_usr_coil7_mean vs run
χ² / ndf inf / 77
p0 2.022e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −6.615e+08
Std Dev 6.615e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

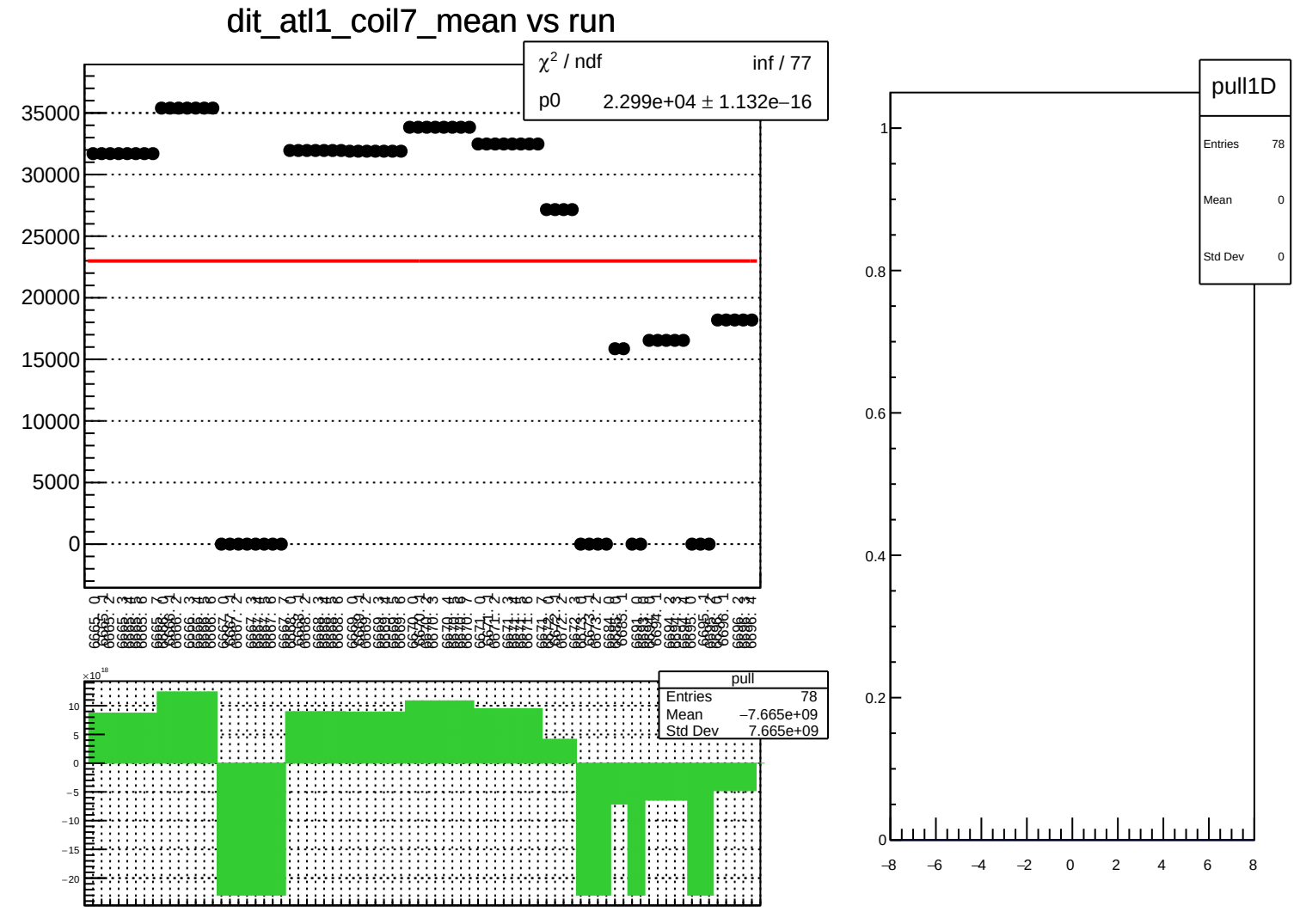

dit_usr_coil7_err_mean vs run
χ^2 / ndf 1.244e+37 / 77
p0 669.9 ± 1.132e−16
pull
Entries 78
Mean 2.553e+08
Std Dev 2.553e+08

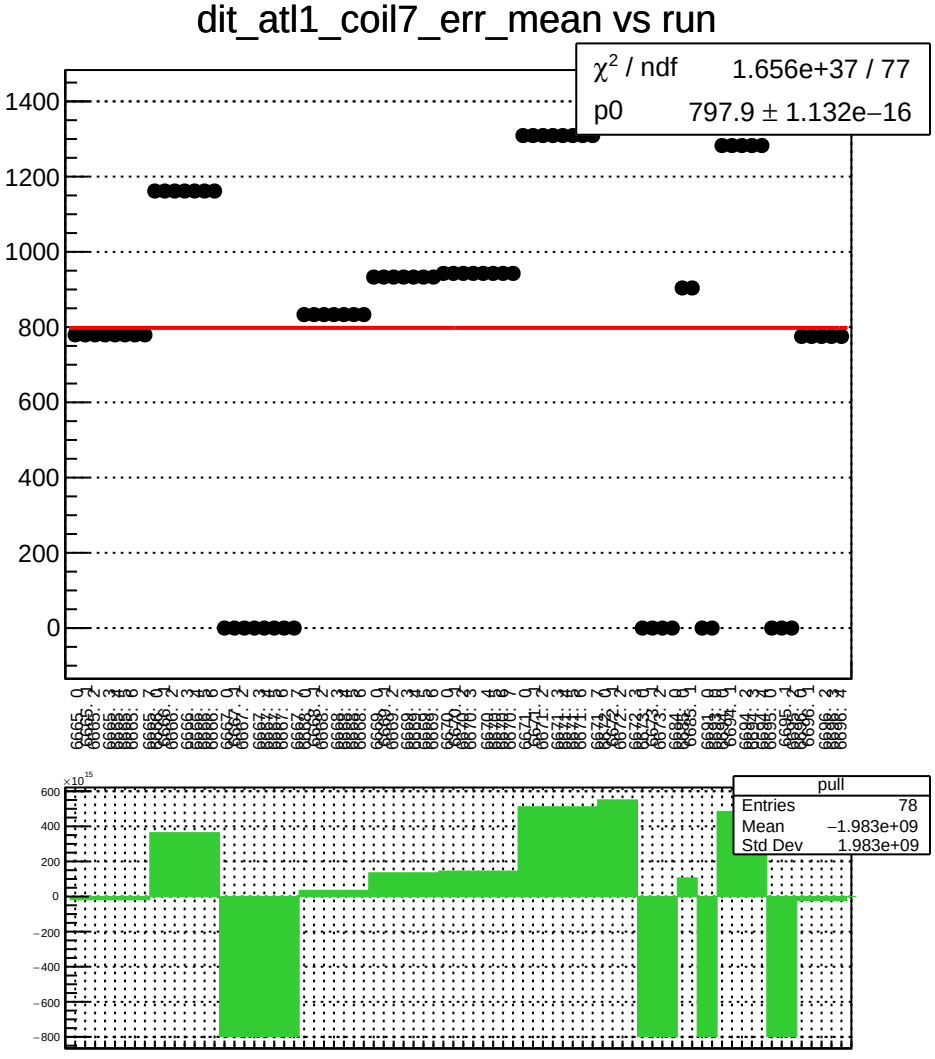

pull1D
Entries 78
Mean 0
Std Dev 0

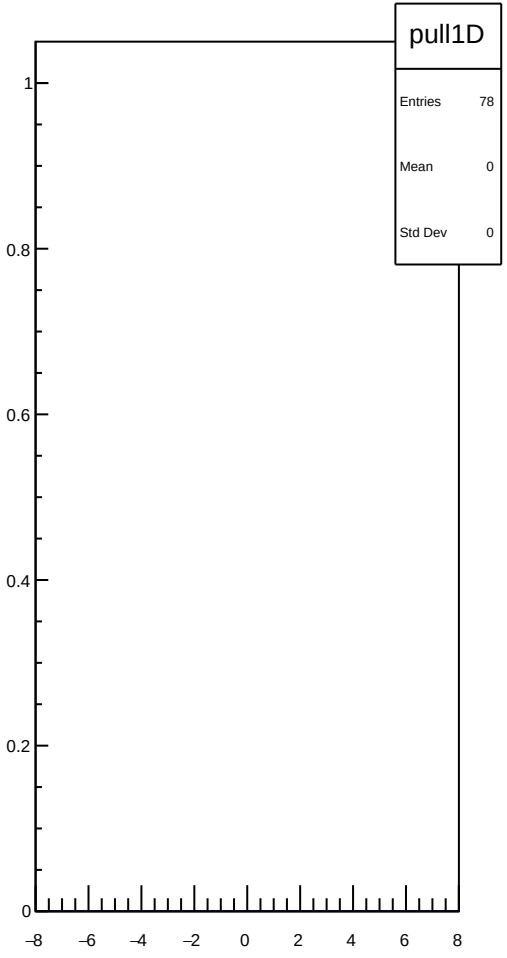
dit_usr_coil7_Ndata_mean vs run



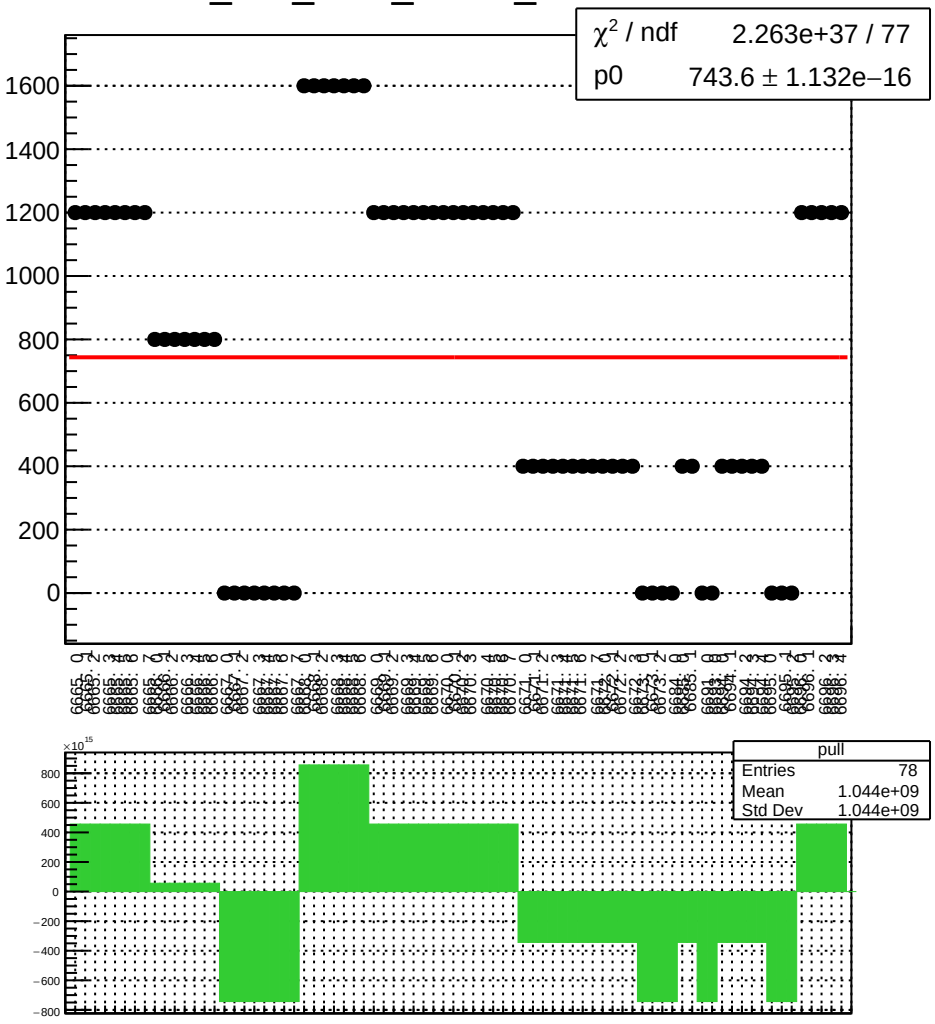


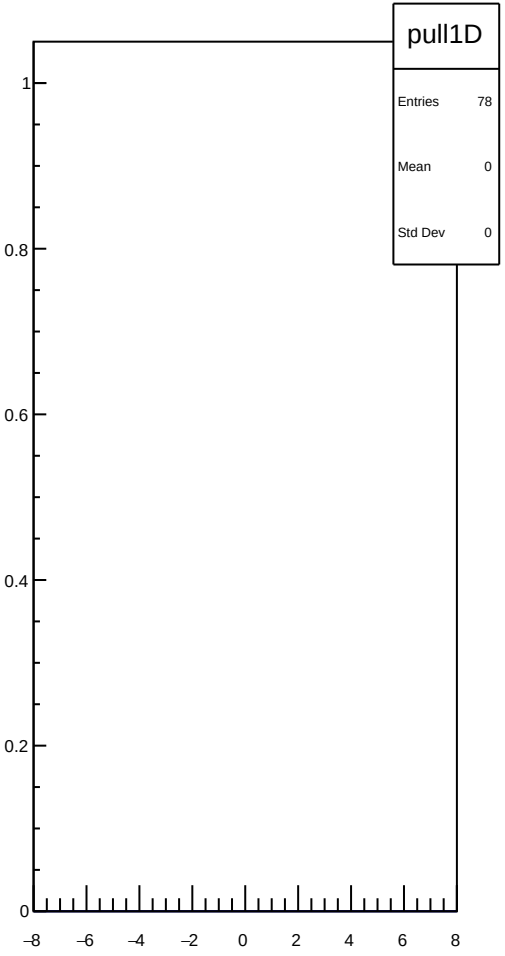

dit_atl1_coil7_mean vs run
χ² / ndf inf / 77
p0 2.299e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −7.665e+09
Std Dev 7.665e+09
×10¹⁸
10
5
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

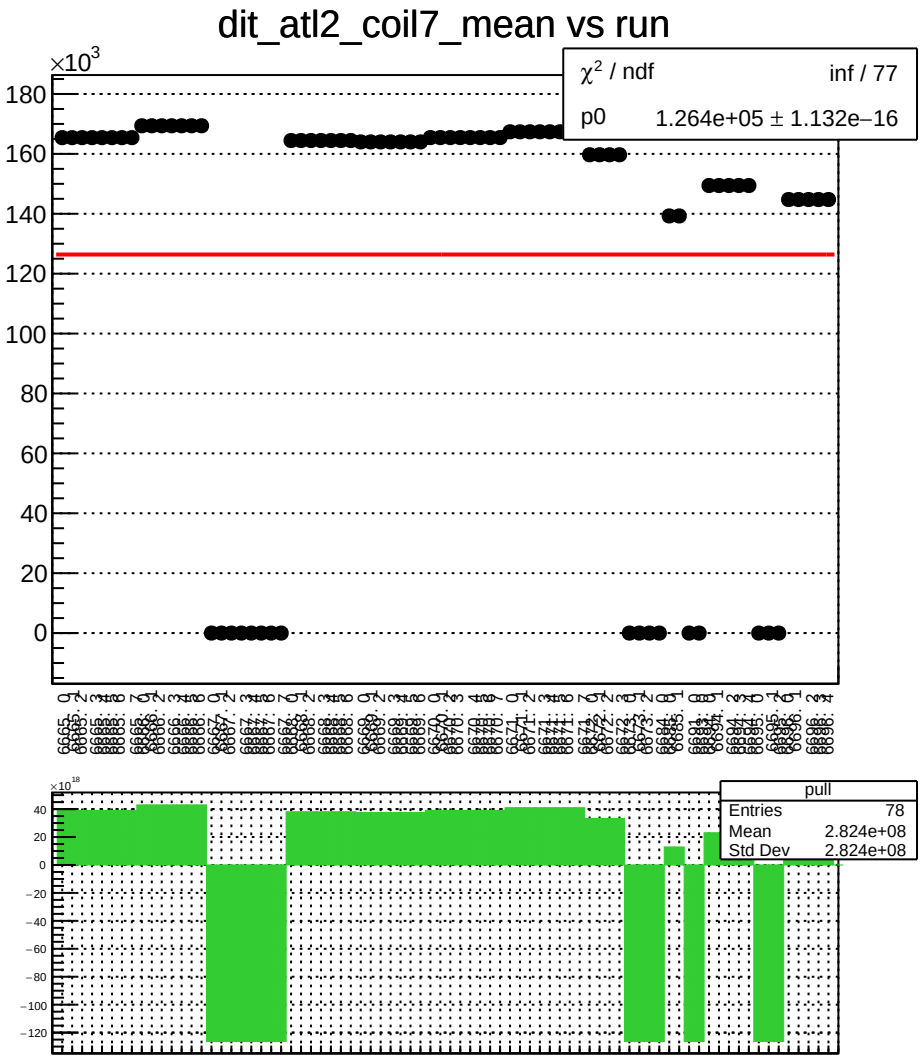

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.656e+37 / 77
p0 797.9 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −1.983e+09
Std Dev 1.983e+09
×10^15
600
400
200
0
−200
−400
−600
−800

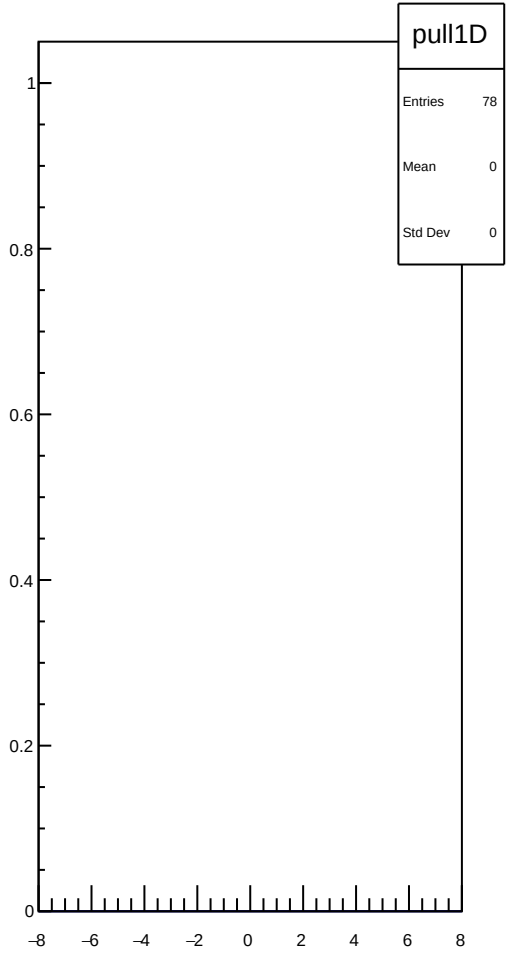

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_Ndata_mean vs run

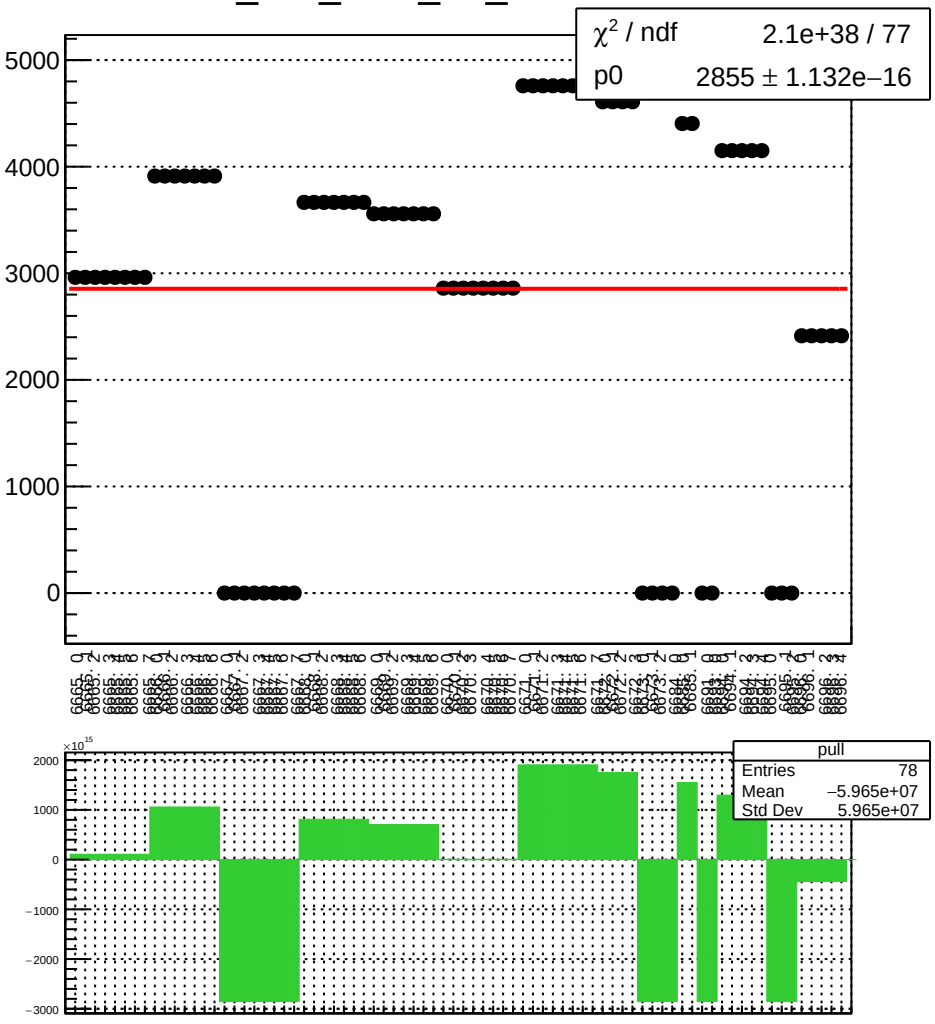


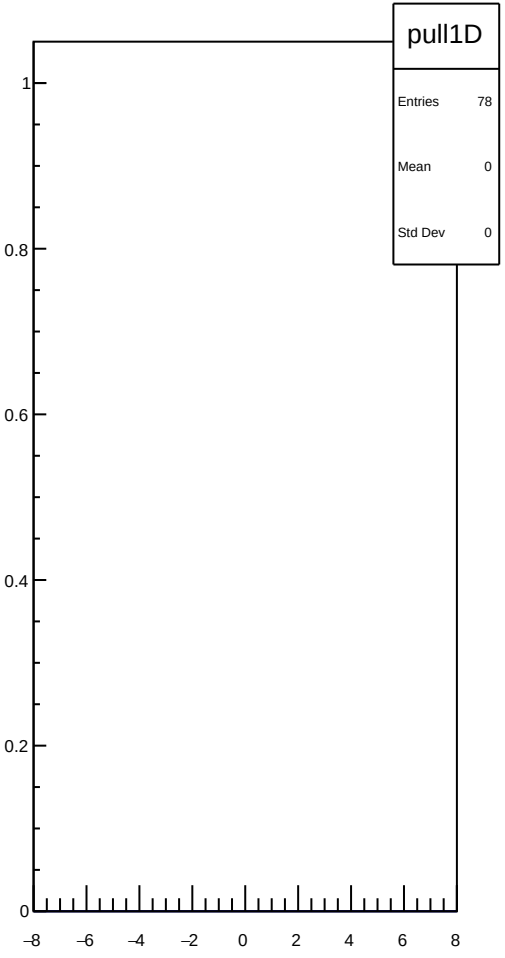



dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.264e+05 ± 1.132e−16
pull
Entries 78
Mean 2.824e+08
Std Dev 2.824e+08
×10^18

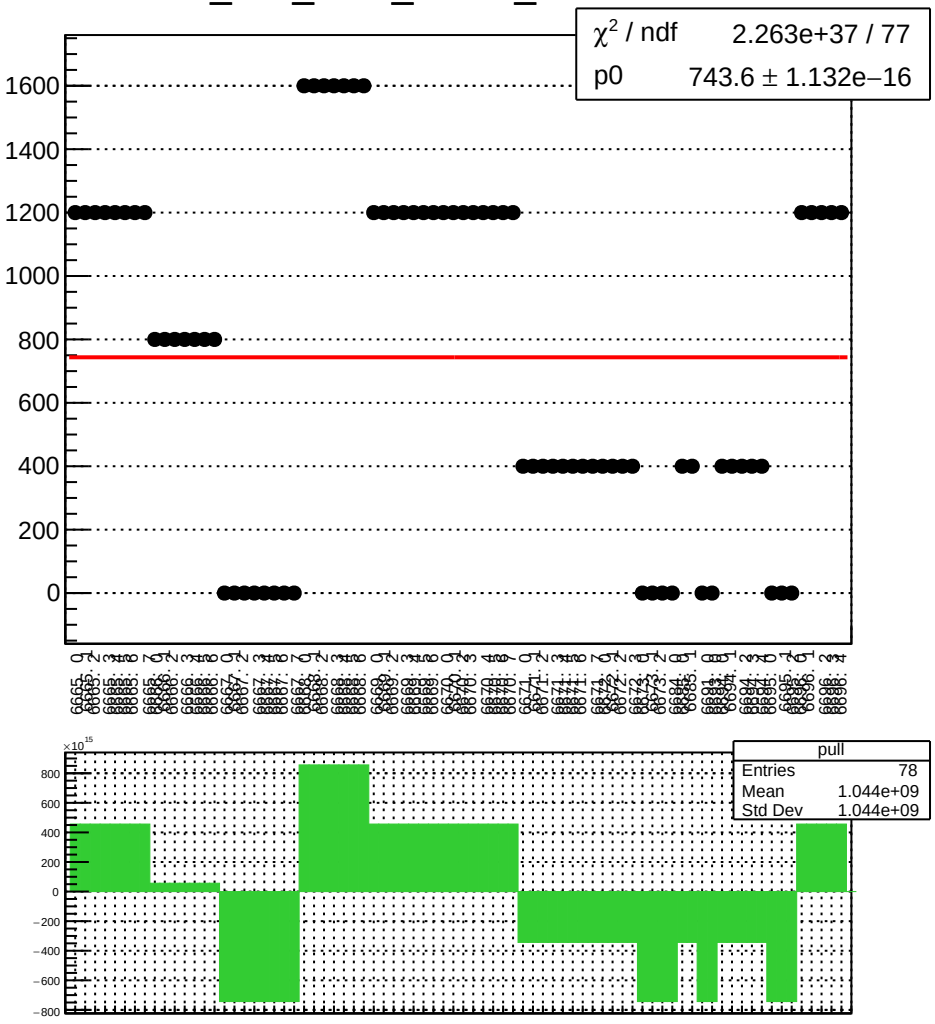

pull1D
Entries 78
Mean 0
Std Dev 0

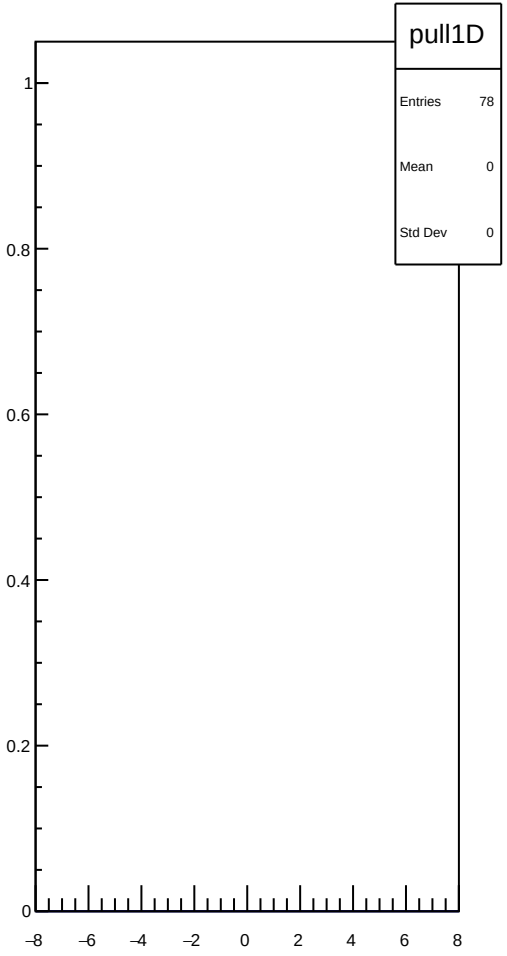
dit_atl2_coil7_err_mean vs run

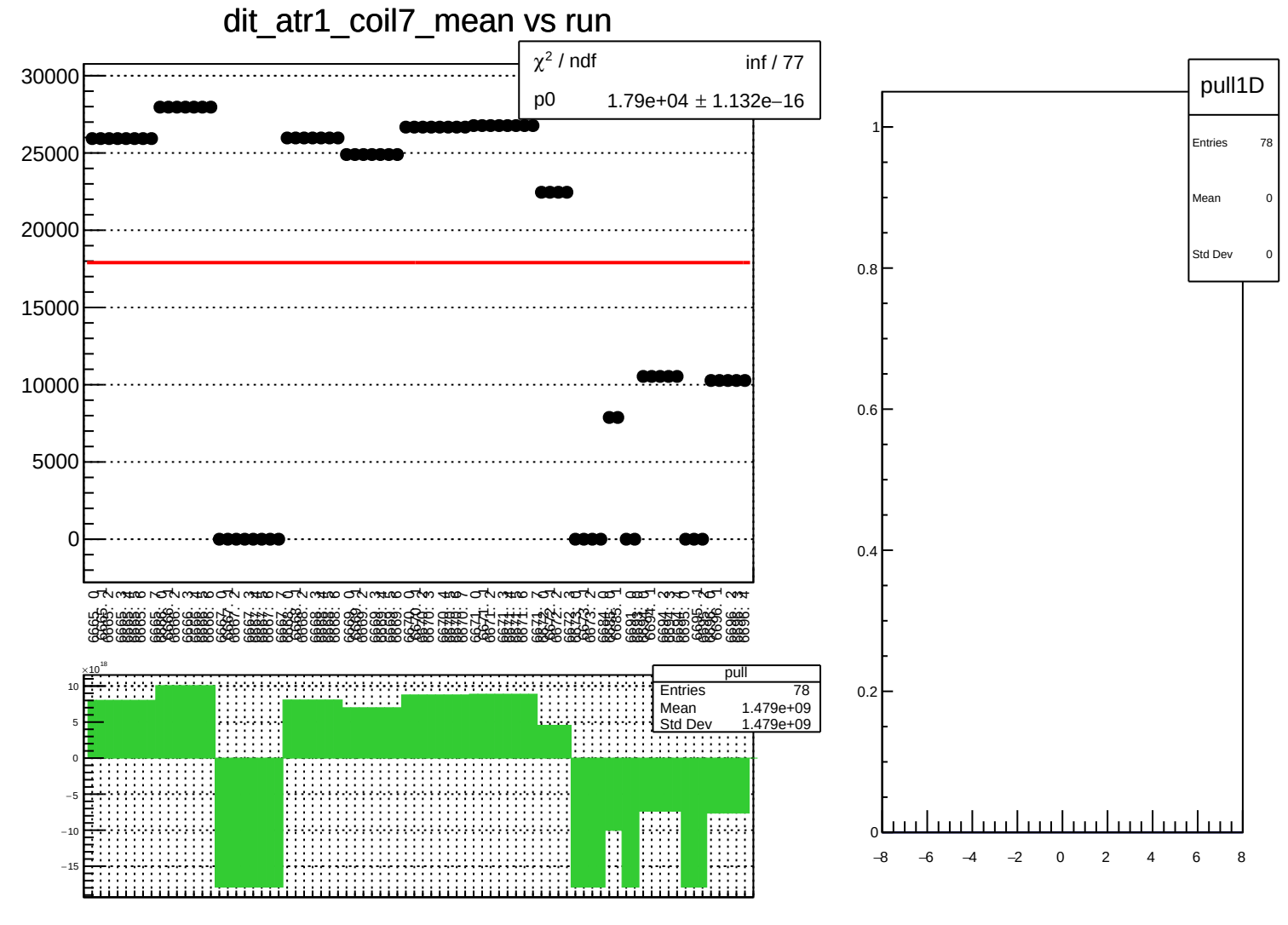


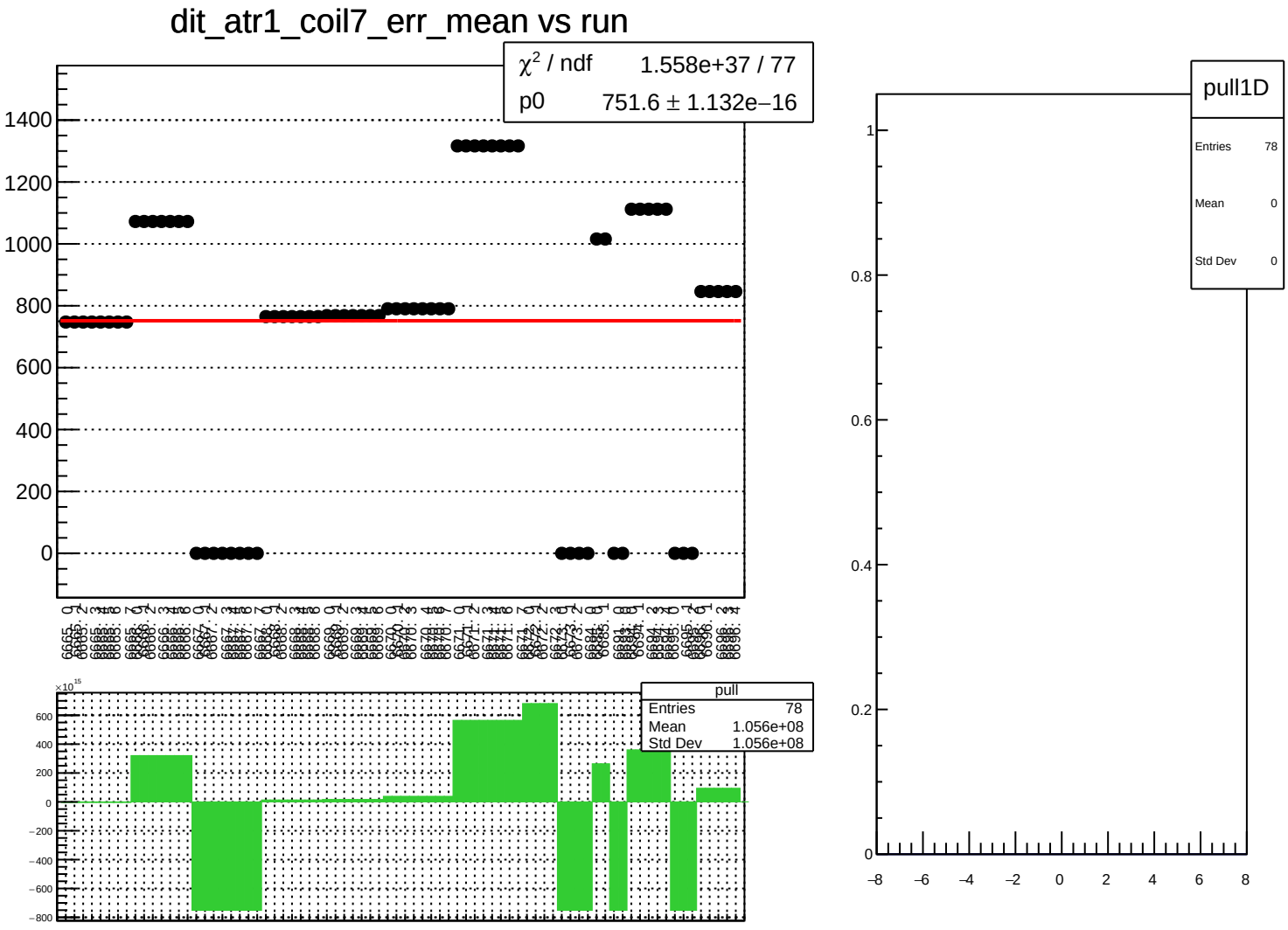


dit_atl2_coil7_Ndata_mean vs run

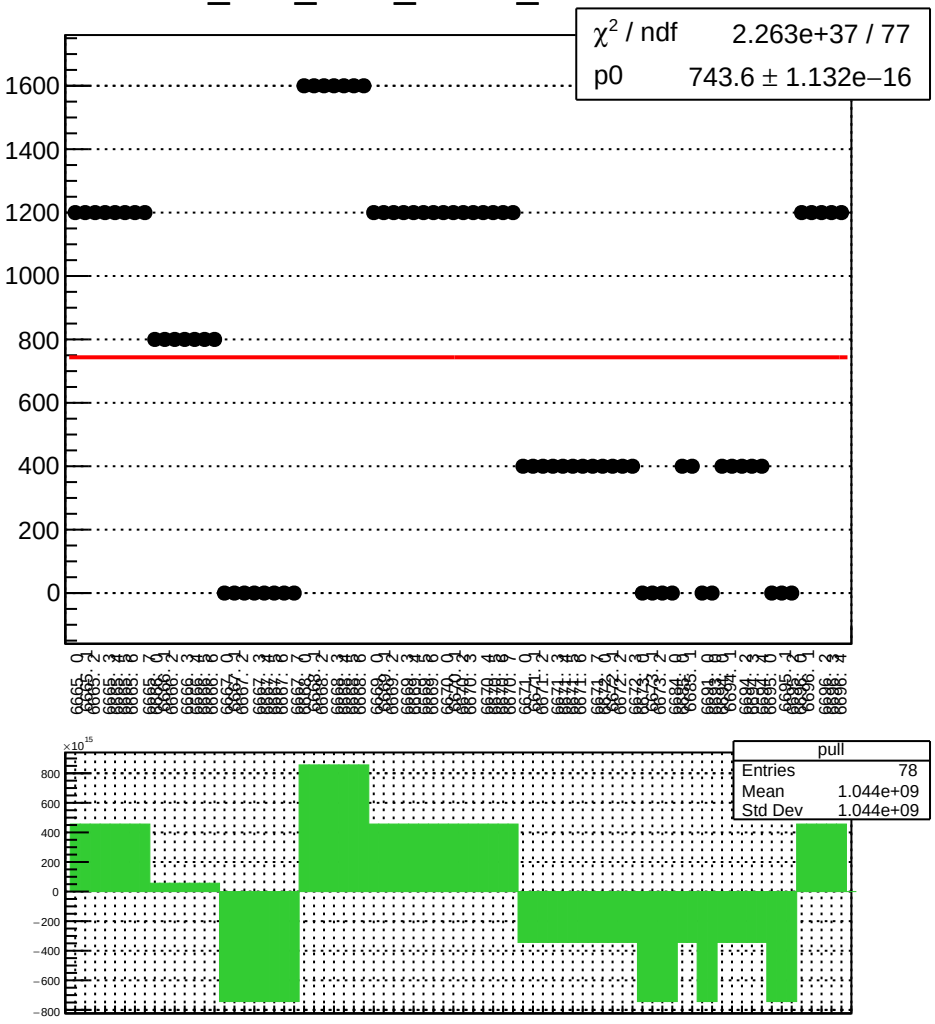


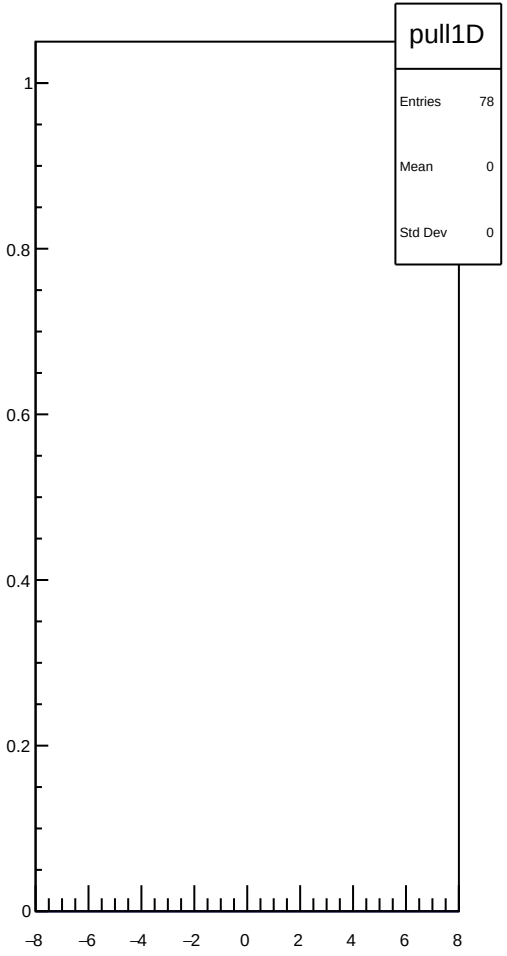


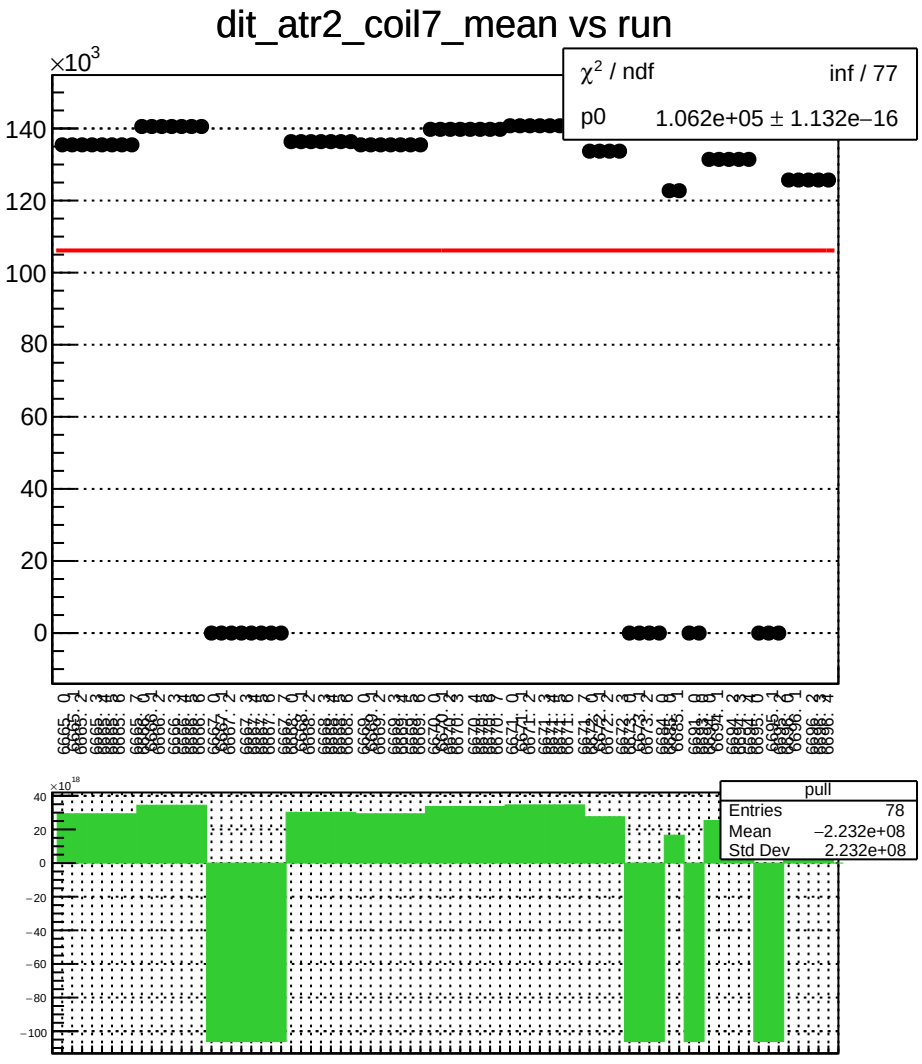

dit_atr1_coil7_mean vs run
χ² / ndf inf / 77
p0 1.79e+04 ± 1.132e−16
pull
Entries 78
Mean 1.479e+09
Std Dev 1.479e+09
pull1D
Entries 78
Mean 0
Std Dev 0

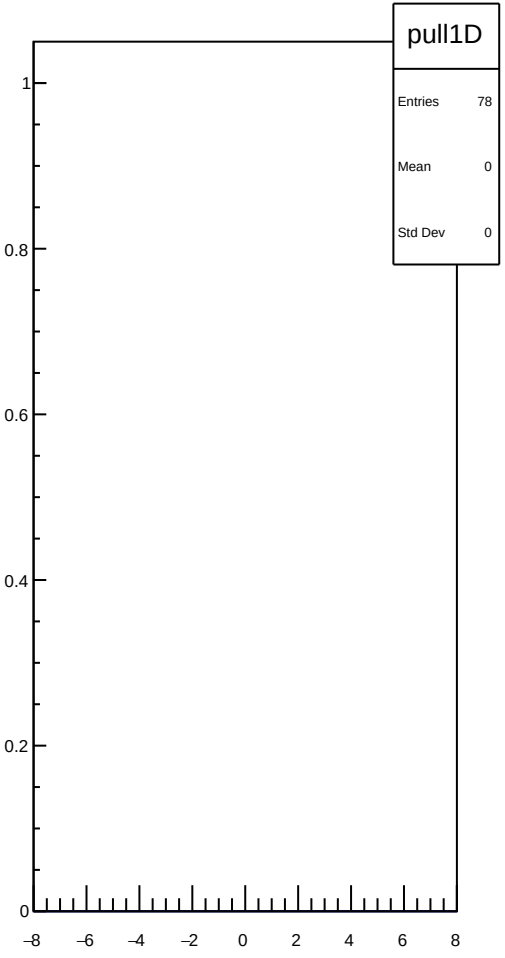

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.558e+37 / 77
p0 751.6 ± 1.132e−16
pull
Entries 78
Mean 1.056e+08
Std Dev 1.056e+08
pull1D
Entries 78
Mean 0
Std Dev 0

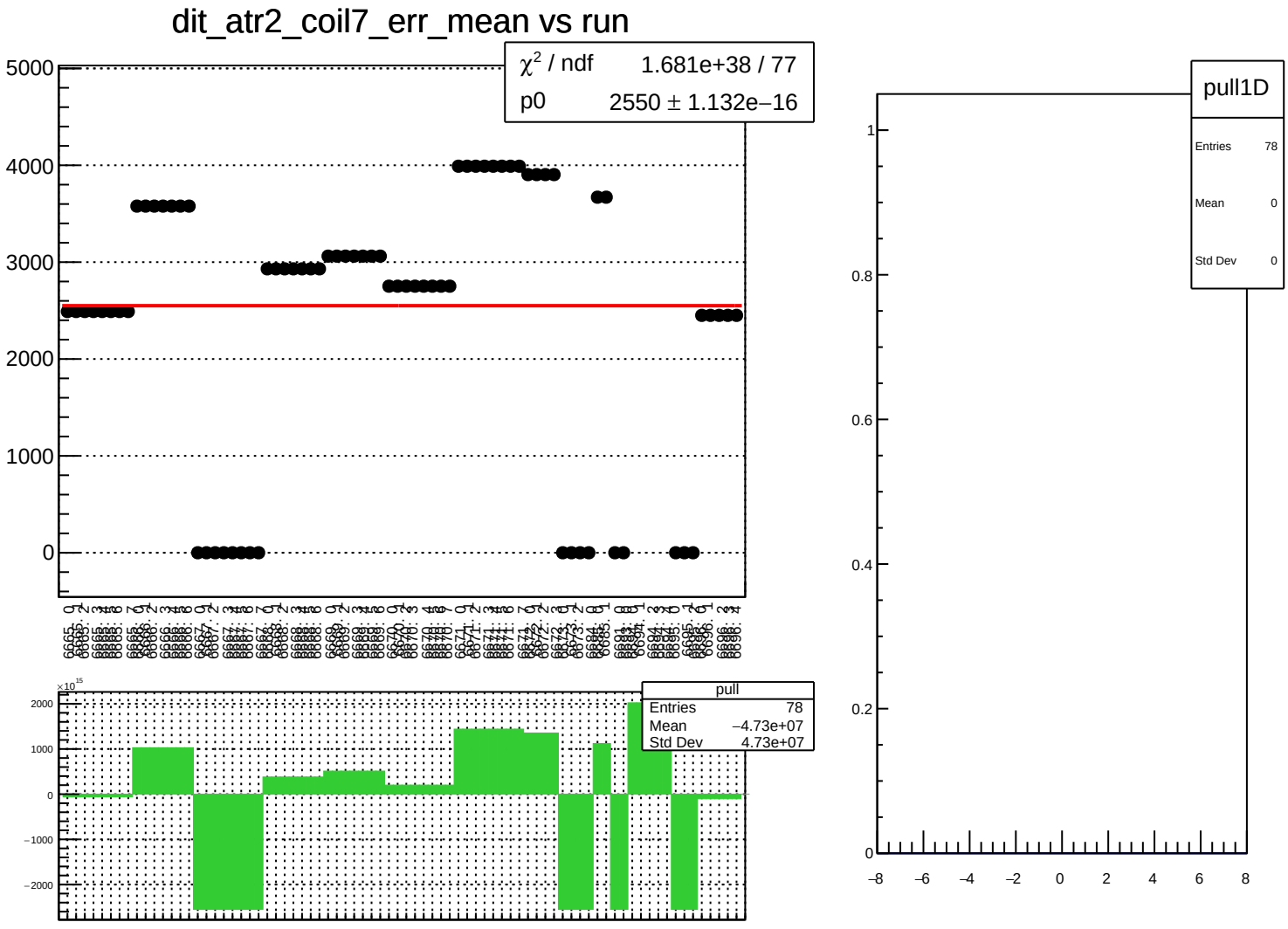
dit_atr1_coil7_Ndata_mean vs run



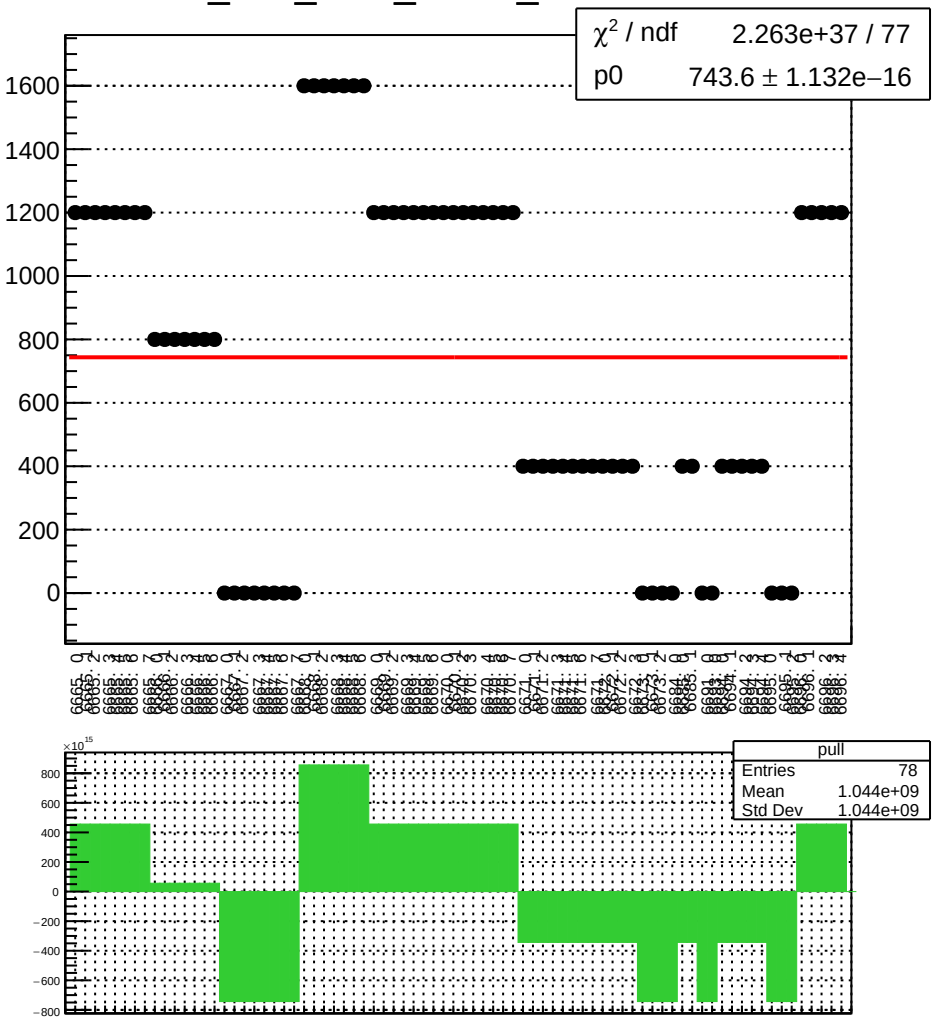


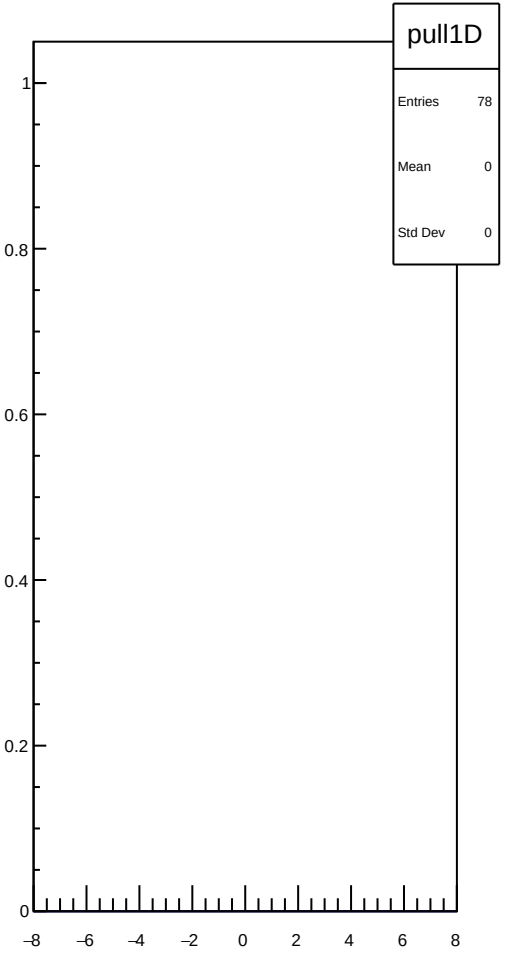

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.062e+05 ± 1.132e−16
pull
Entries 78
Mean −2.232e+08
Std Dev 2.232e+08
×10^18

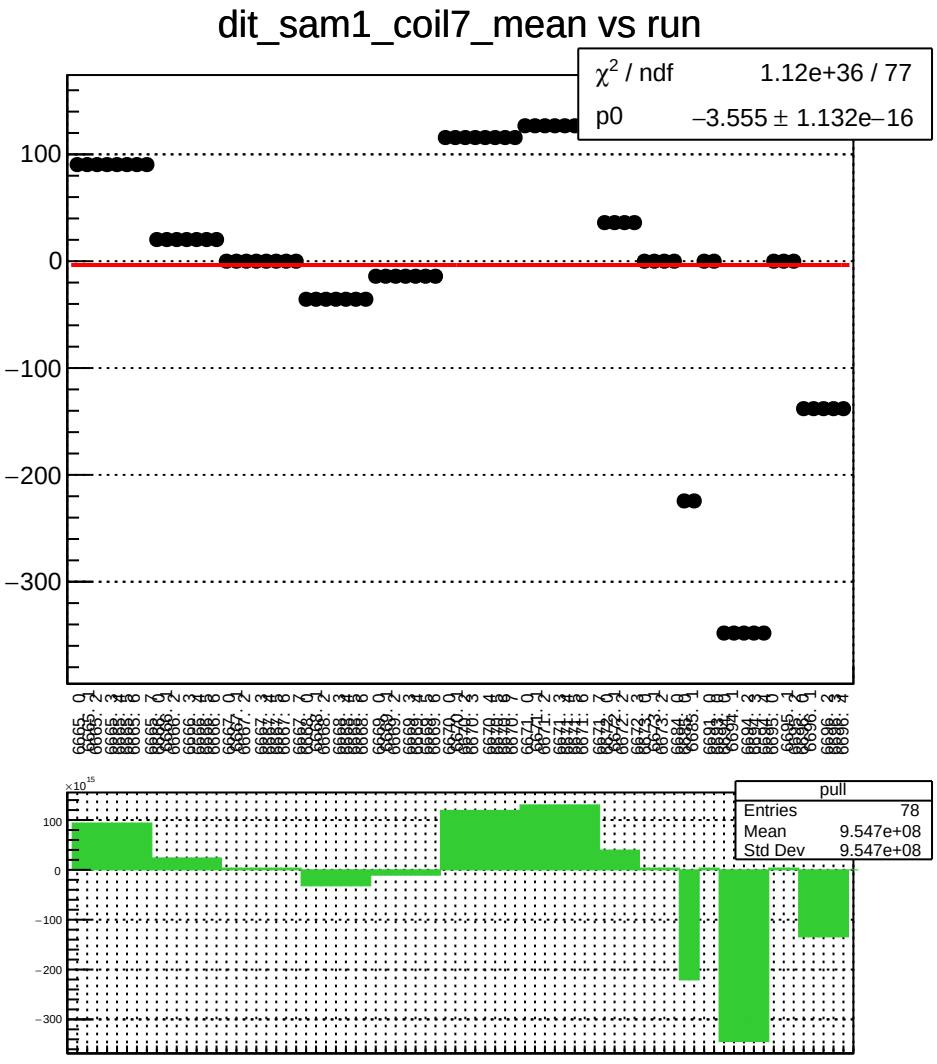

pull1D
Entries 78
Mean 0
Std Dev 0

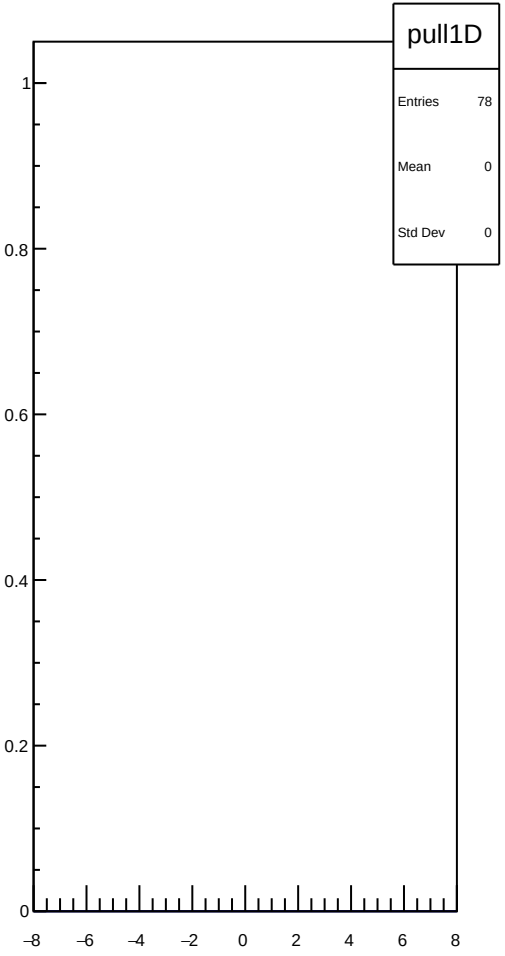

dit_atr2_coil7_err_mean vs run
χ² / ndf 1.681e+38 / 77
p0 2550 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −4.73e+07
Std Dev 4.73e+07
2000
1000
0
−1000
−2000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

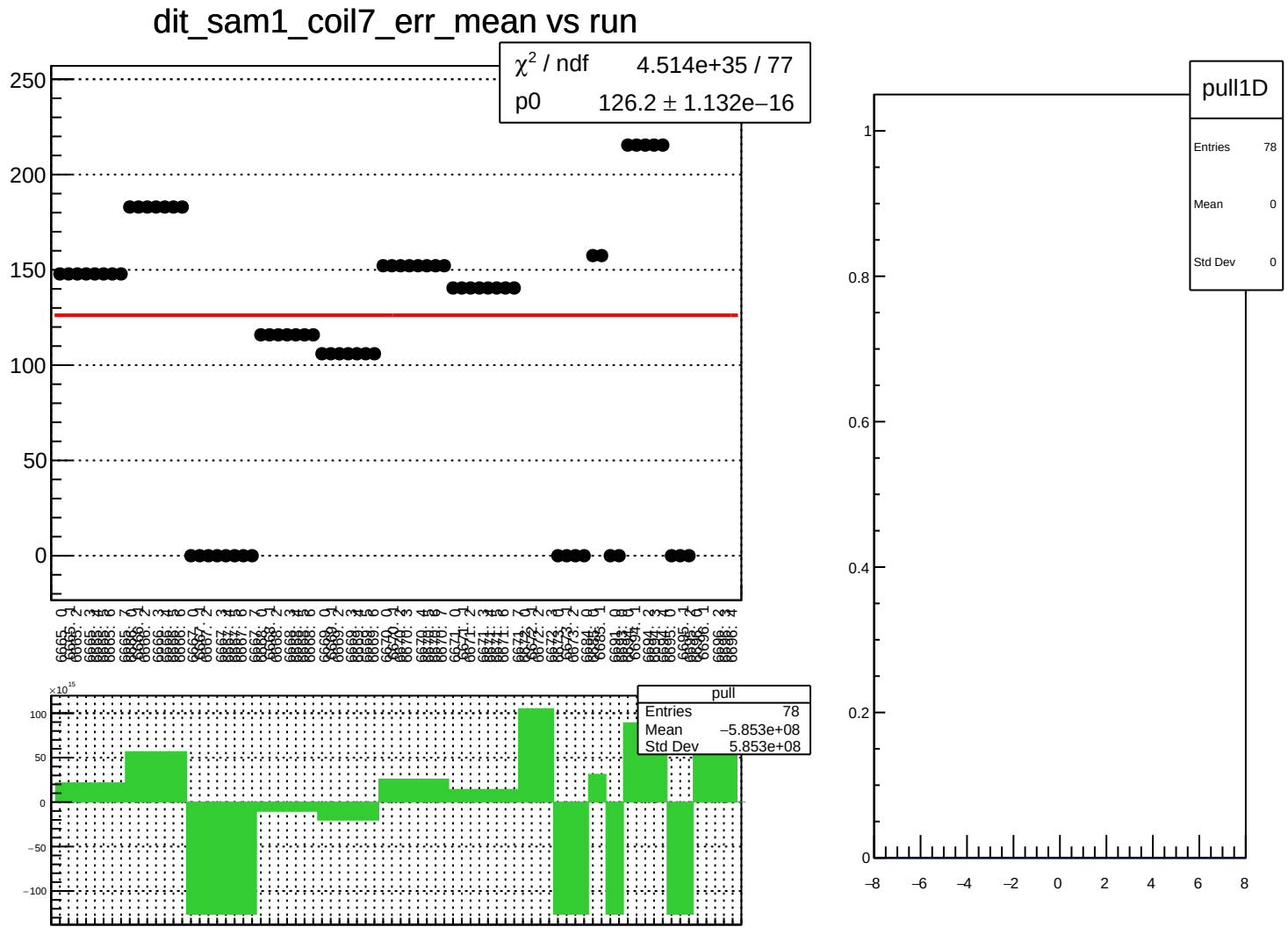
dit_atr2_coil7_Ndata_mean vs run



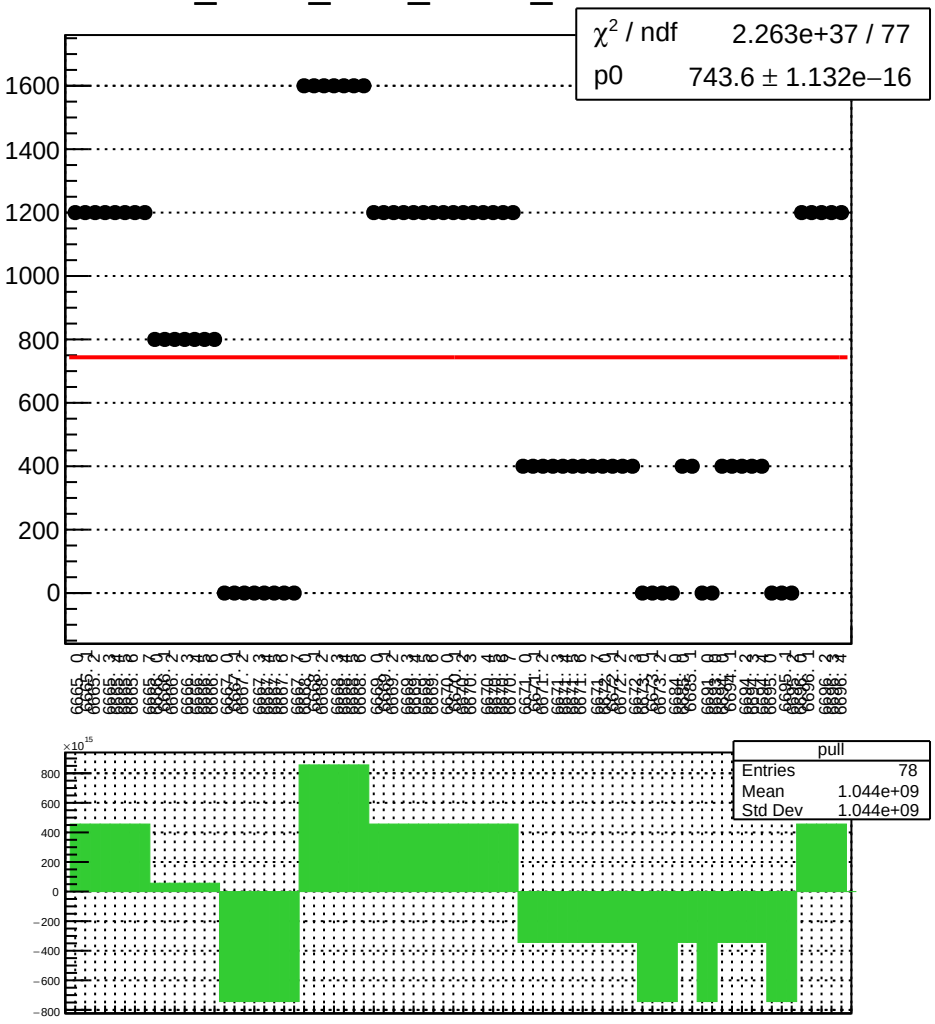


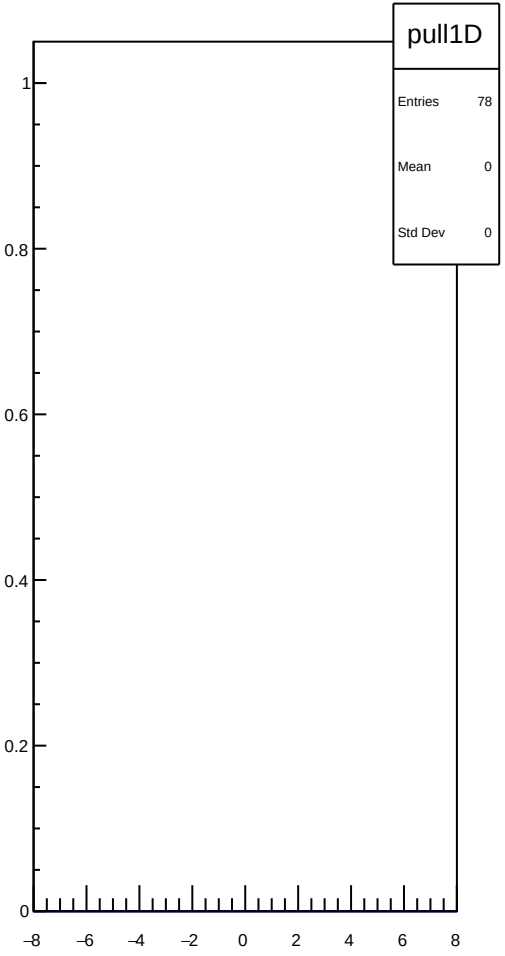

dit_sam1_coil7_mean vs run
χ² / ndf 1.12e+36 / 77
p0 −3.555 ± 1.132e−16
100
0
−100
−200
−300
pull
Entries 78
Mean 9.547e+08
Std Dev 9.547e+08

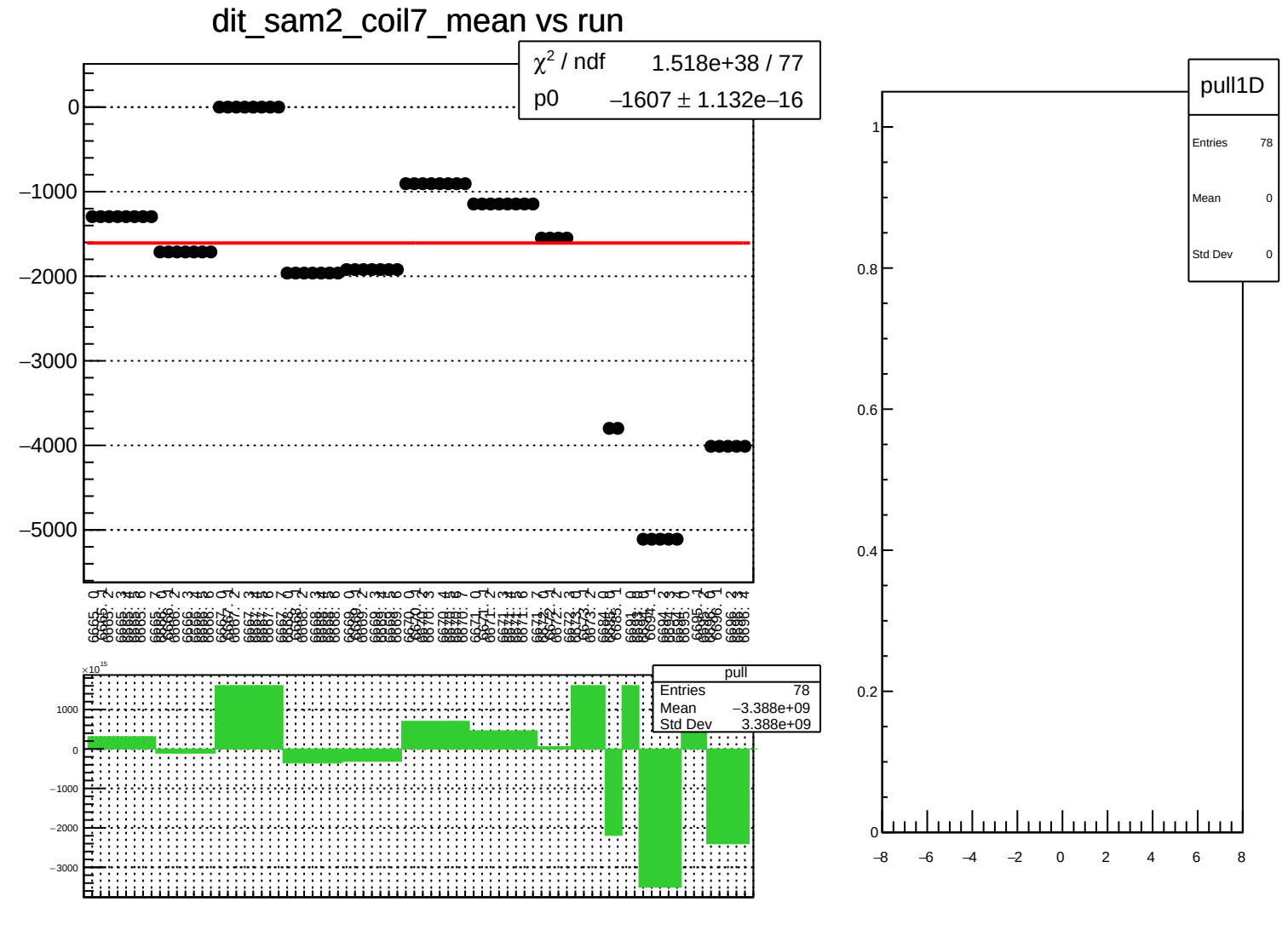

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

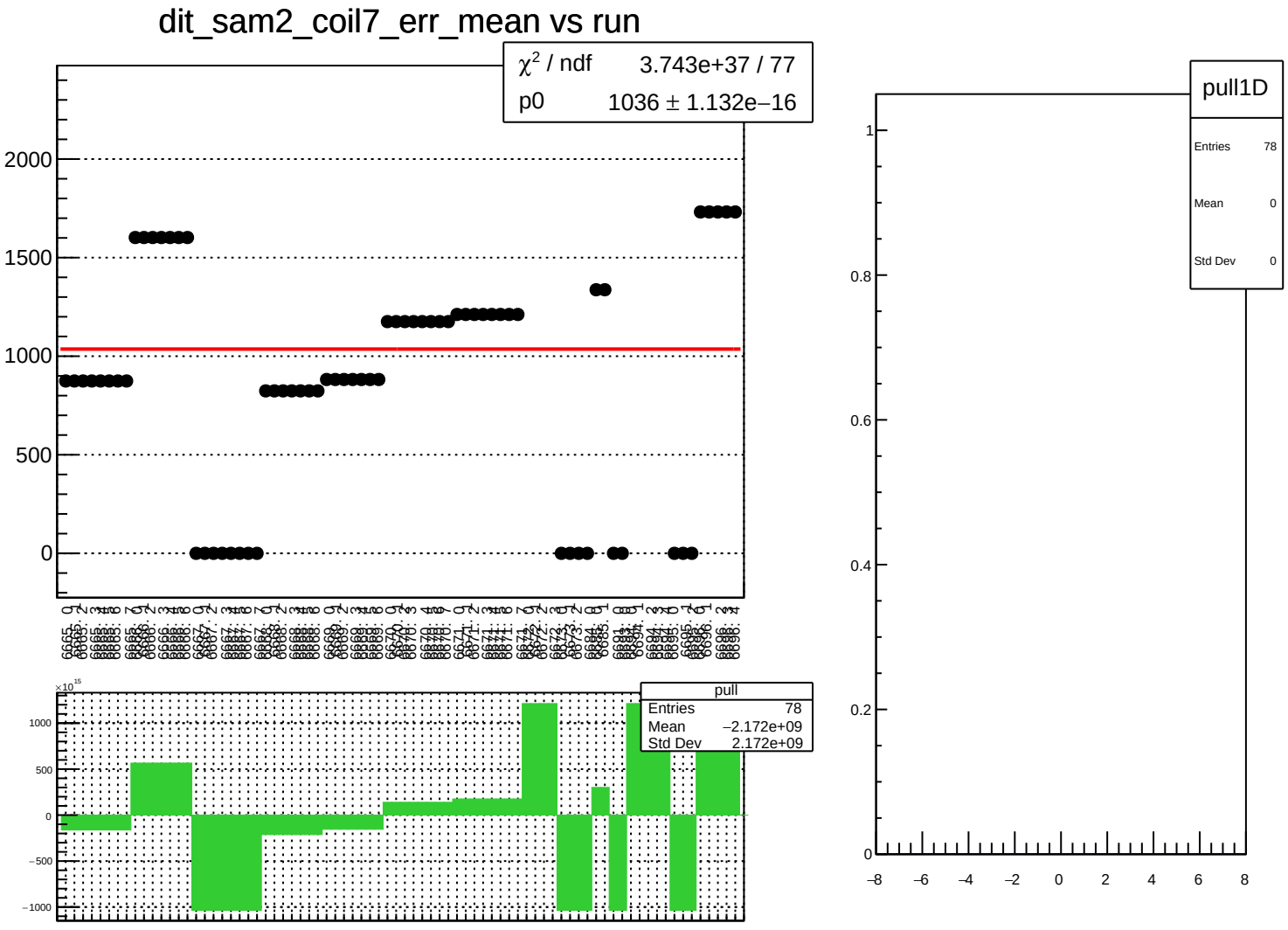

dit_sam1_coil7_err_mean vs run
χ² / ndf 4.514e+35 / 77
p0 126.2 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean −5.853e+08
Std Dev 5.853e+08
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil7_Ndata_mean vs run

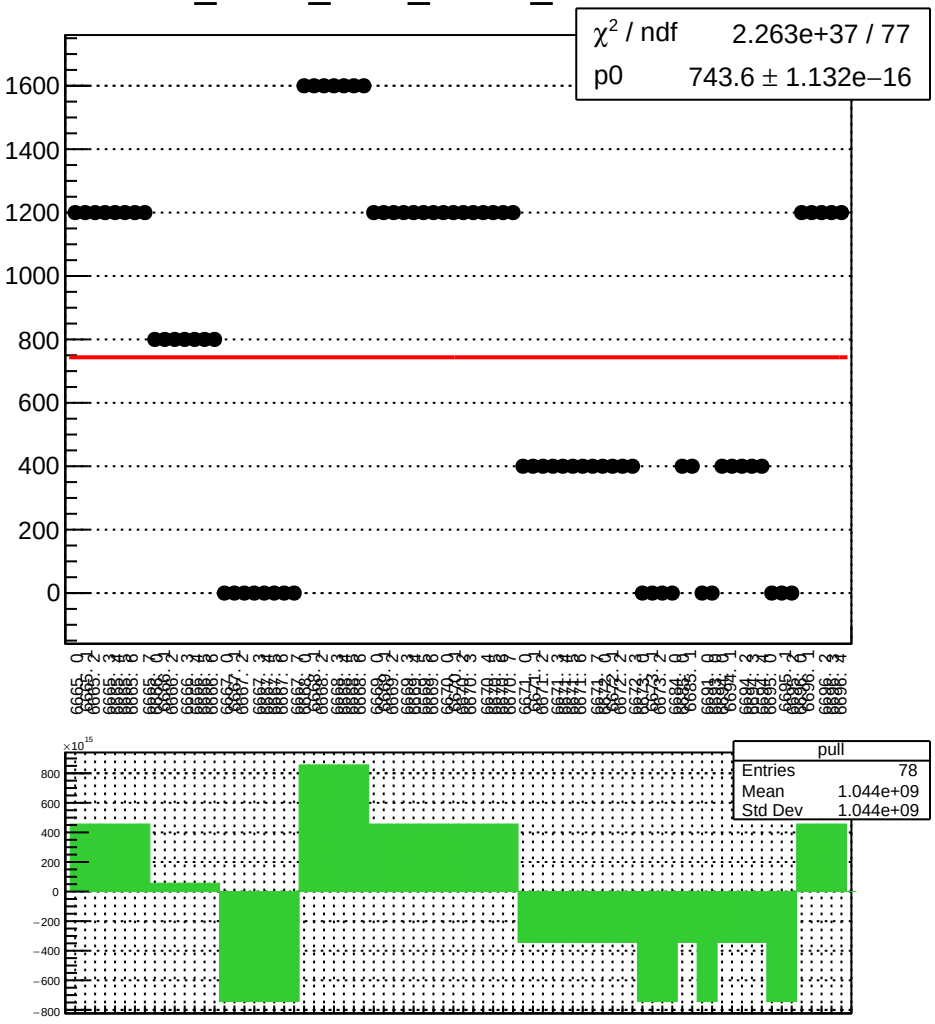


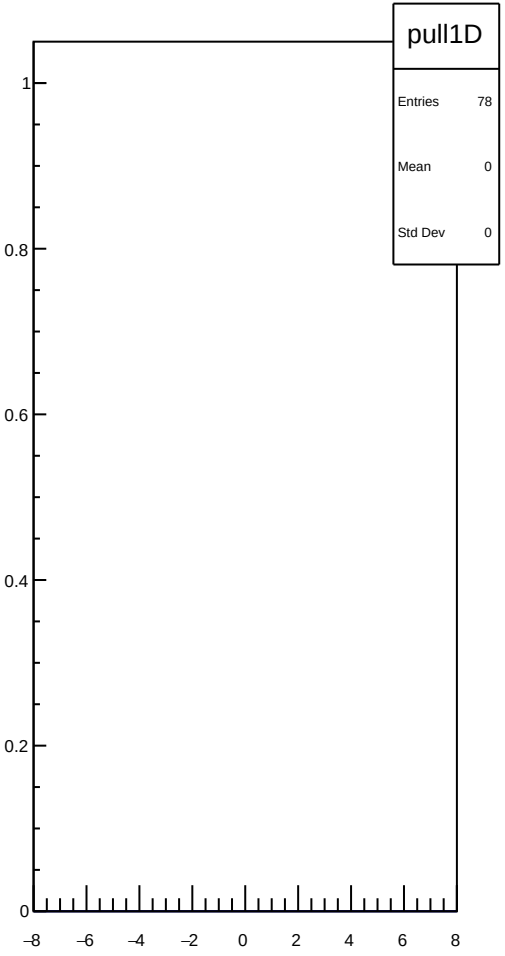


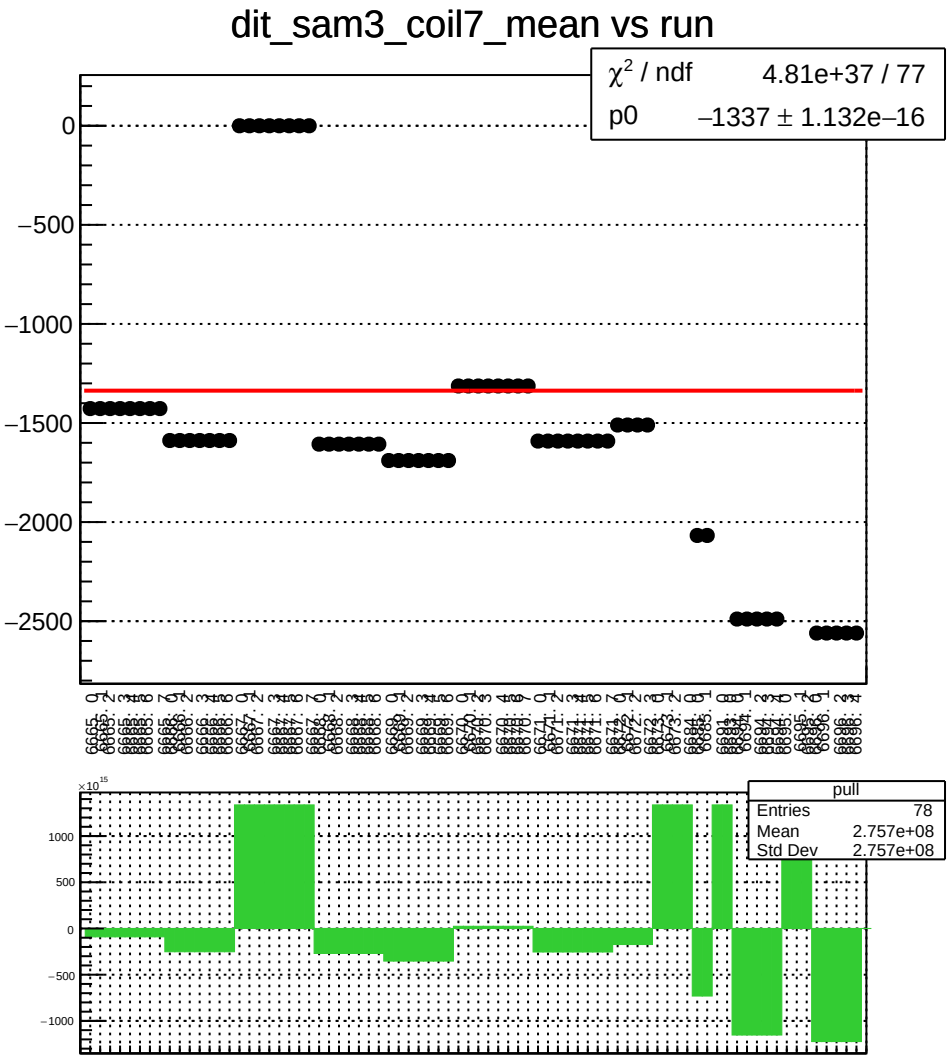

dit_sam2_coil7_mean vs run
χ² / ndf 1.518e+38 / 77
p0 –1607 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 78
Mean –3.388e+09
Std Dev 3.388e+09
1000
0
–1000
–2000
–3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

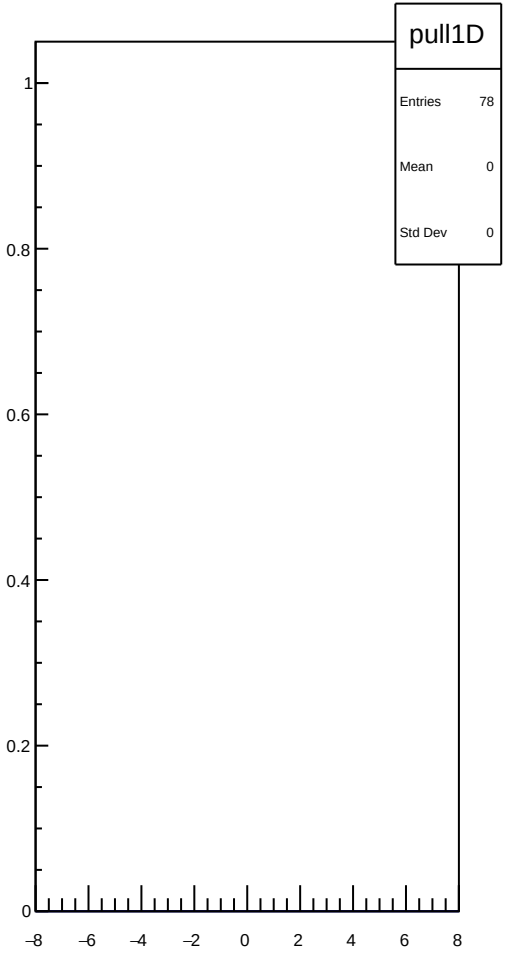

dit_sam2_coil7_err_mean vs run
χ² / ndf 3.743e+37 / 77
p0 1036 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −2.172e+09
Std Dev 2.172e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

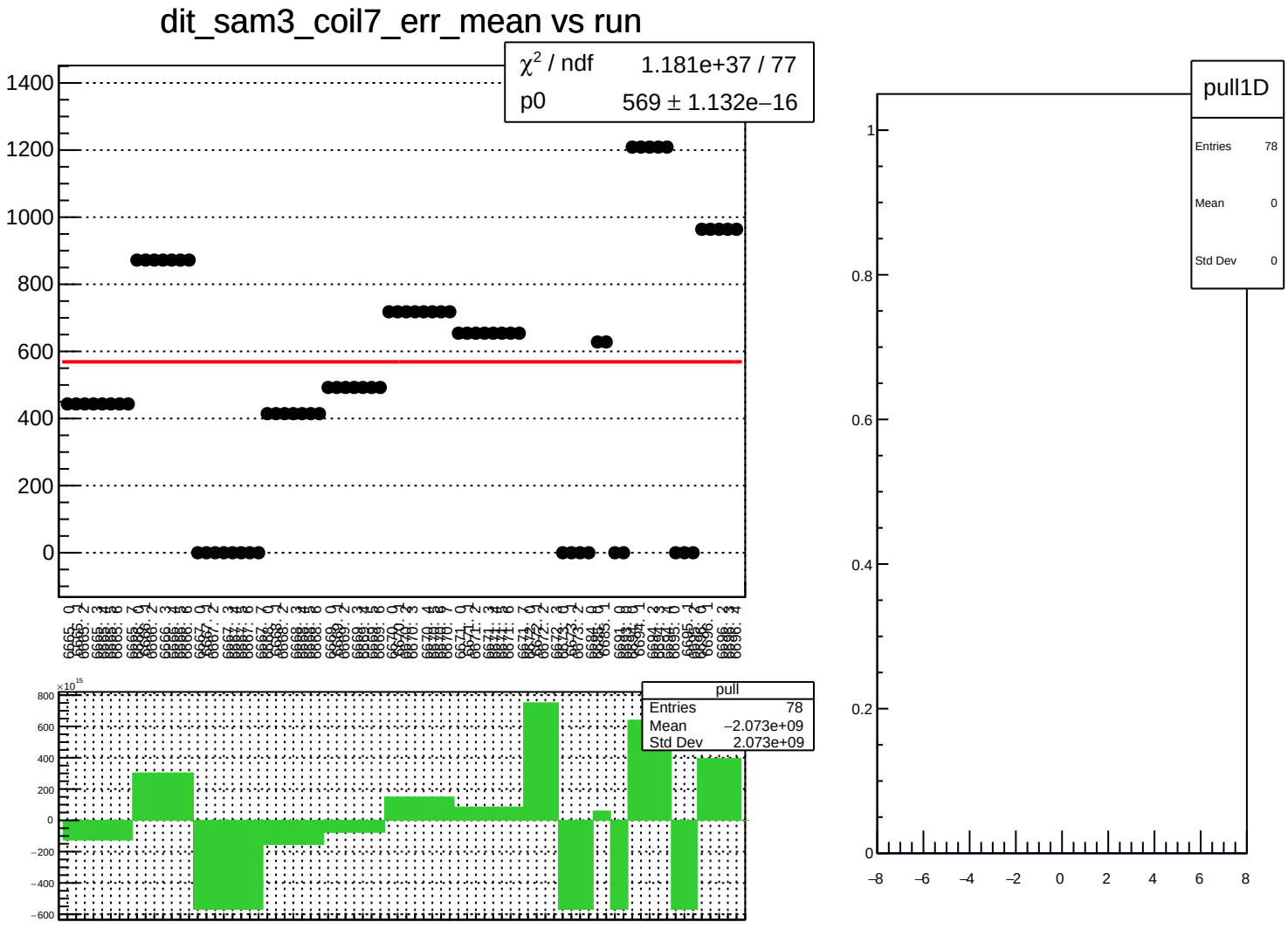
dit_sam2_coil7_Ndata_mean vs run



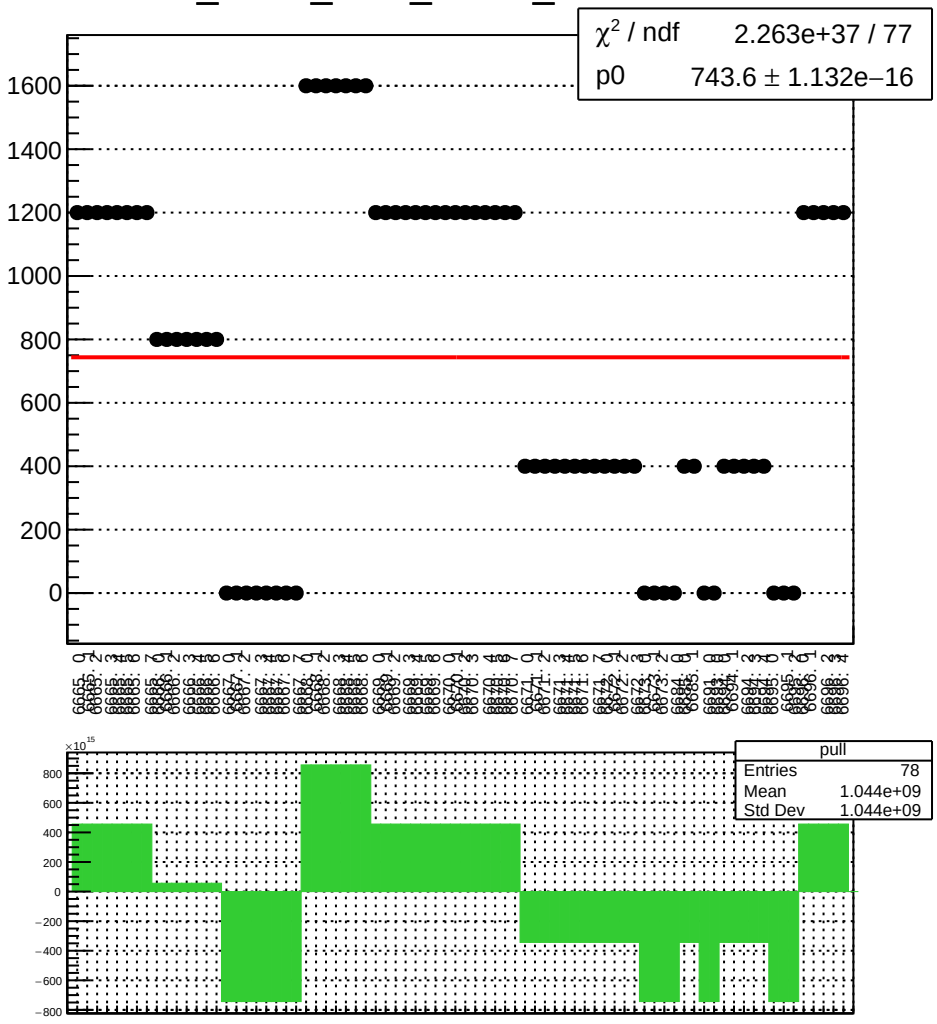


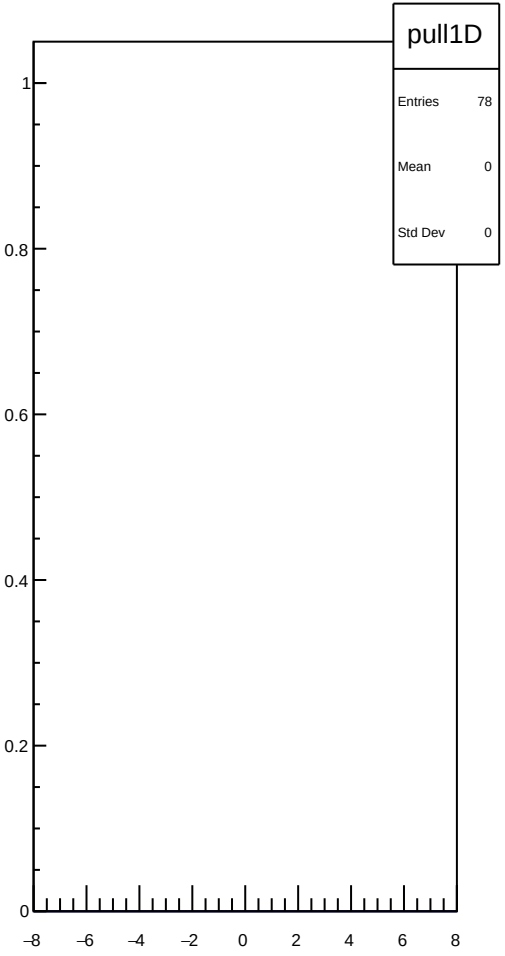

dit_sam3_coil7_mean vs run
χ^2 / ndf 4.81e+37 / 77
p0 –1337 ± 1.132e–16
0
–500
–1000
–1500
–2000
–2500
pull
Entries 78
Mean 2.757e+08
Std Dev 2.757e+08
1000
500
0
–500
–1000

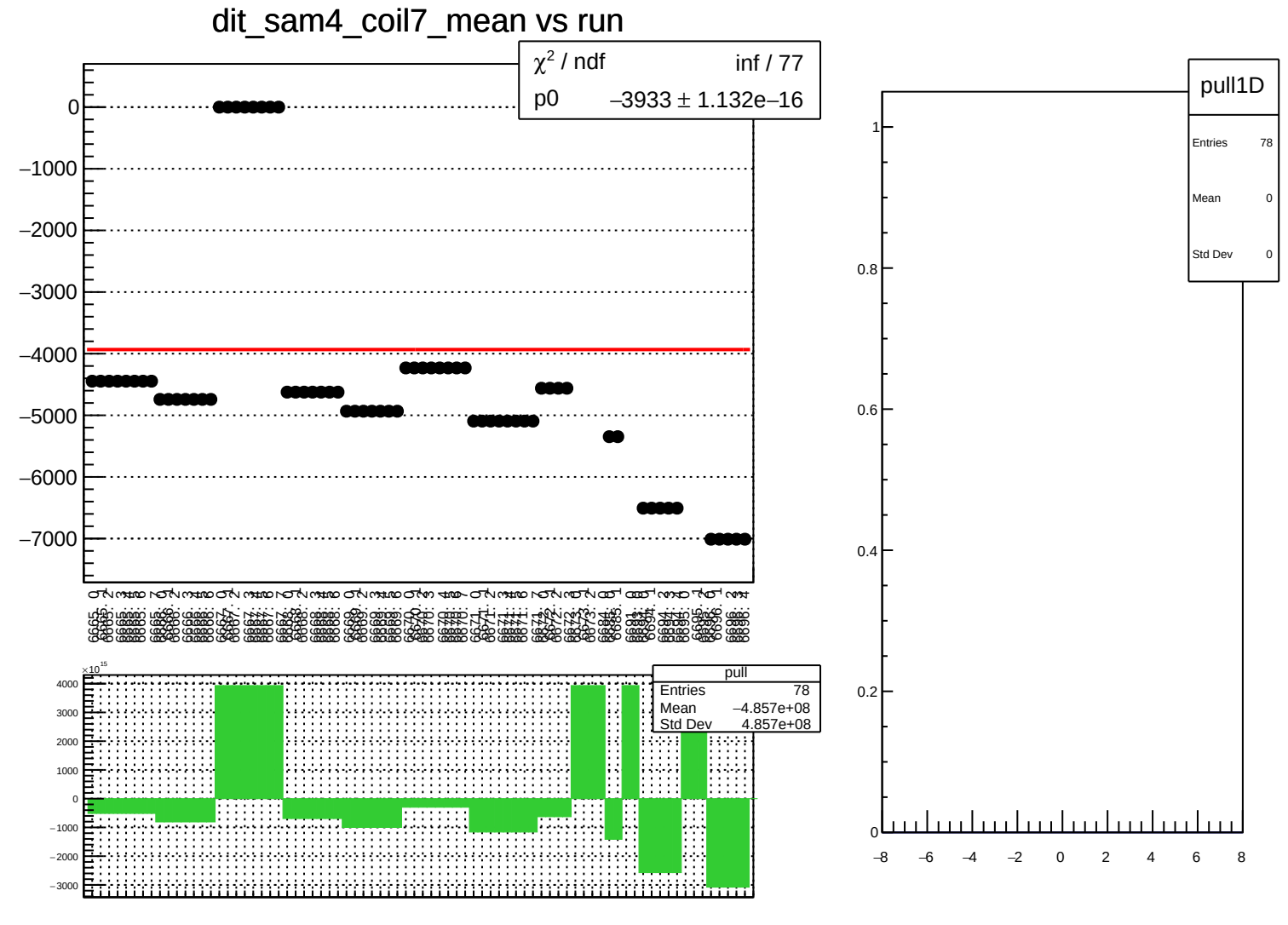

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

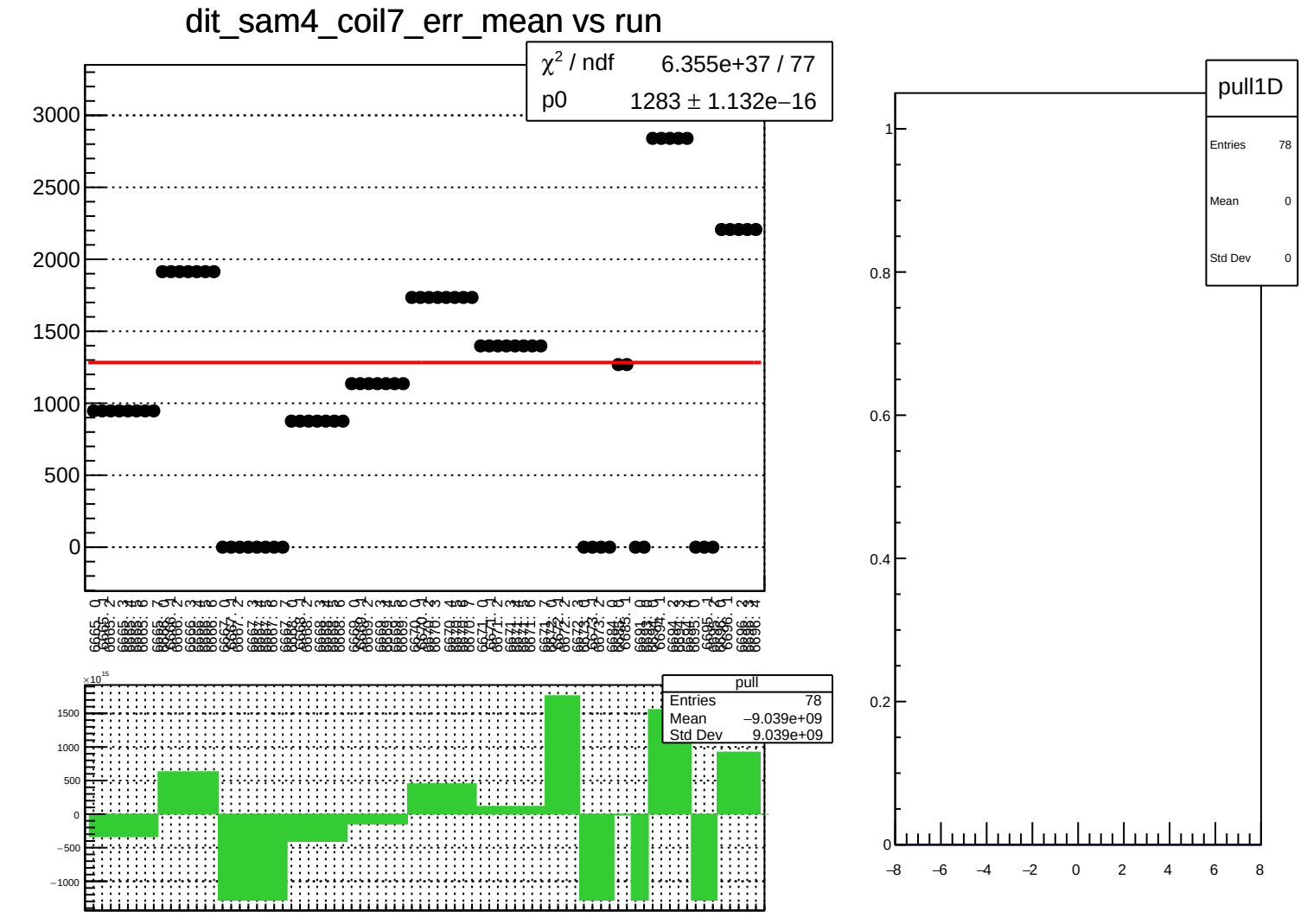

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.181e+37 / 77
p0 569 ± 1.132e−16
pull
Entries 78
Mean −2.073e+09
Std Dev 2.073e+09
pull1D
Entries 78
Mean 0
Std Dev 0

dit_sam3_coil7_Ndata_mean vs run

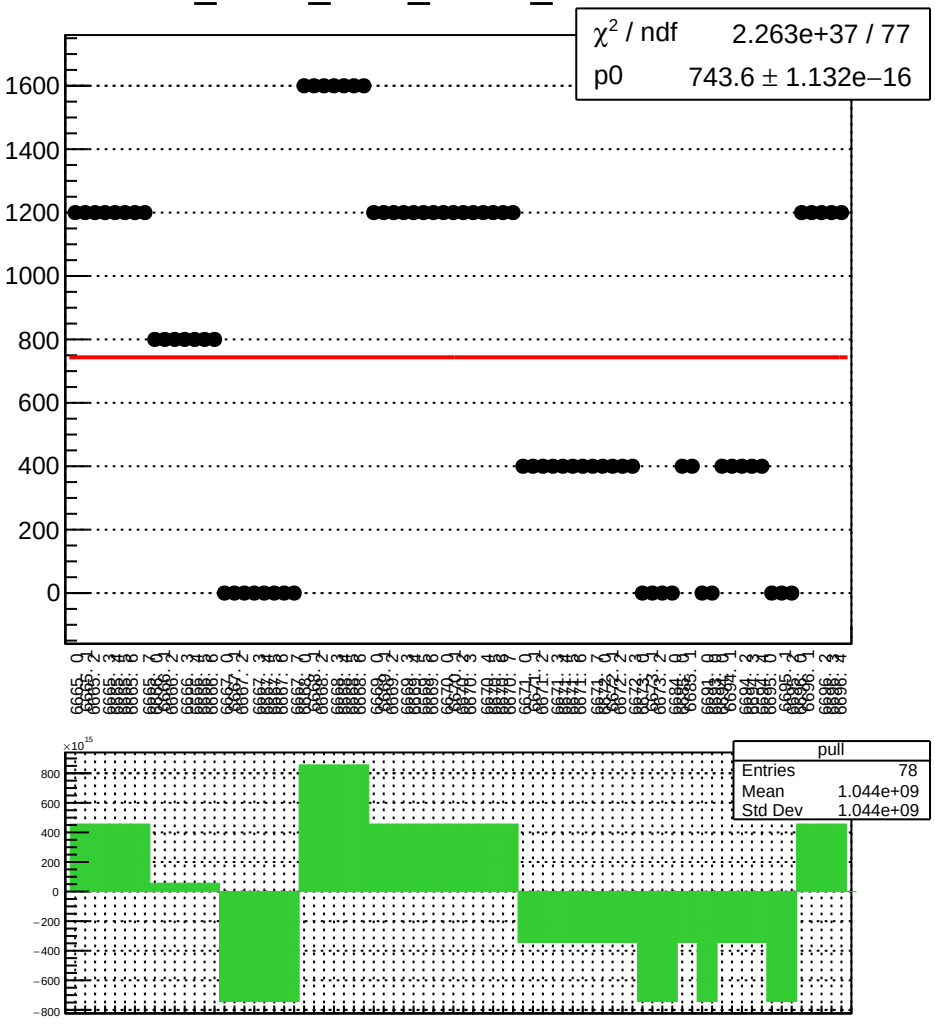


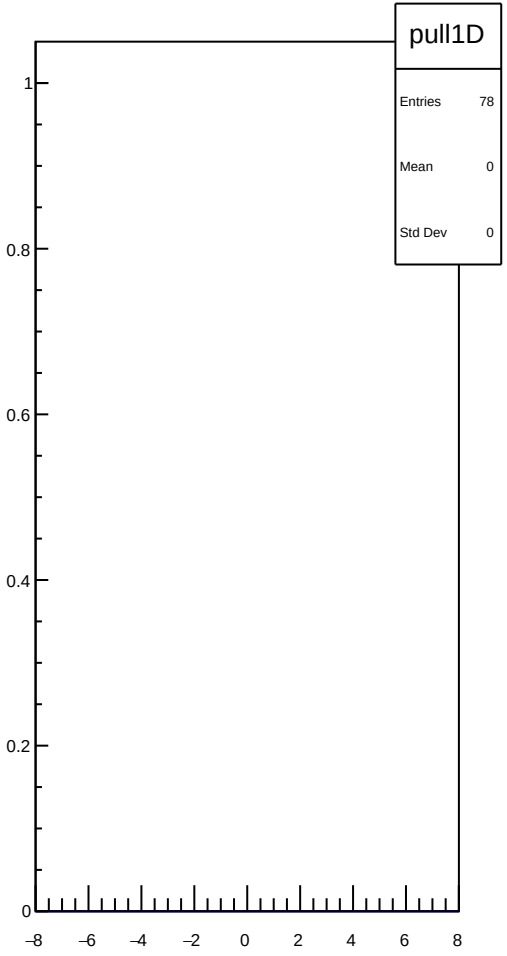


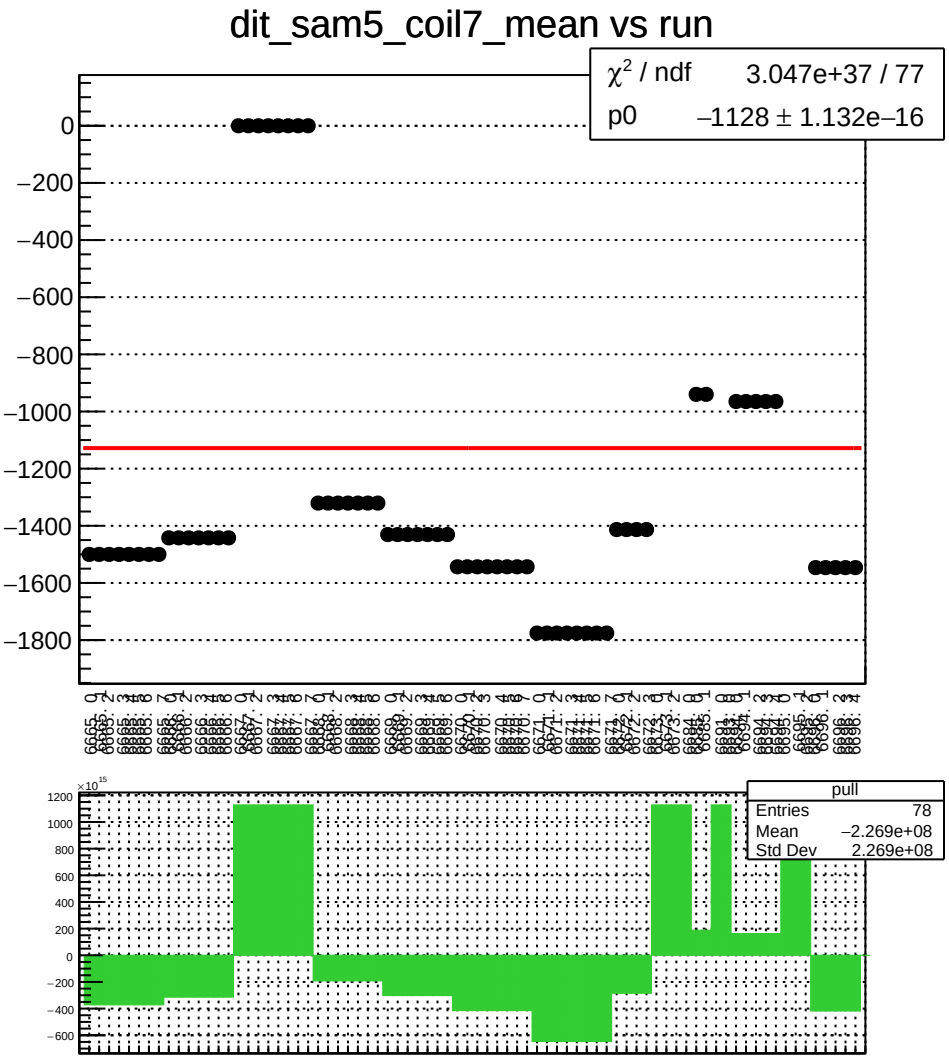

dit_sam4_coil7_mean vs run
χ² / ndf inf / 77
p0 −3933 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 78
Mean −4.857e+08
Std Dev 4.857e+08
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

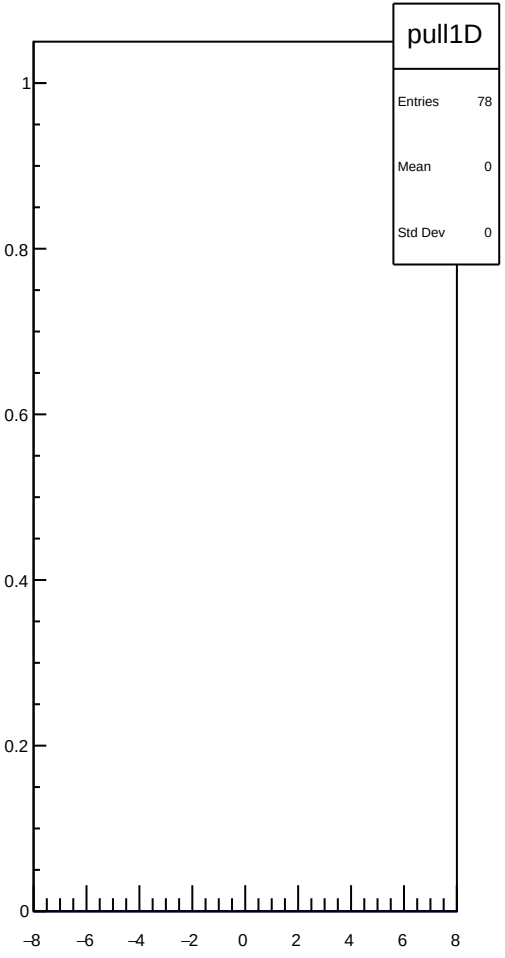

dit_sam4_coil7_err_mean vs run
χ² / ndf 6.355e+37 / 77
p0 1283 ± 1.132e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean −9.039e+09
Std Dev 9.039e+09
×10¹⁵
1500
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

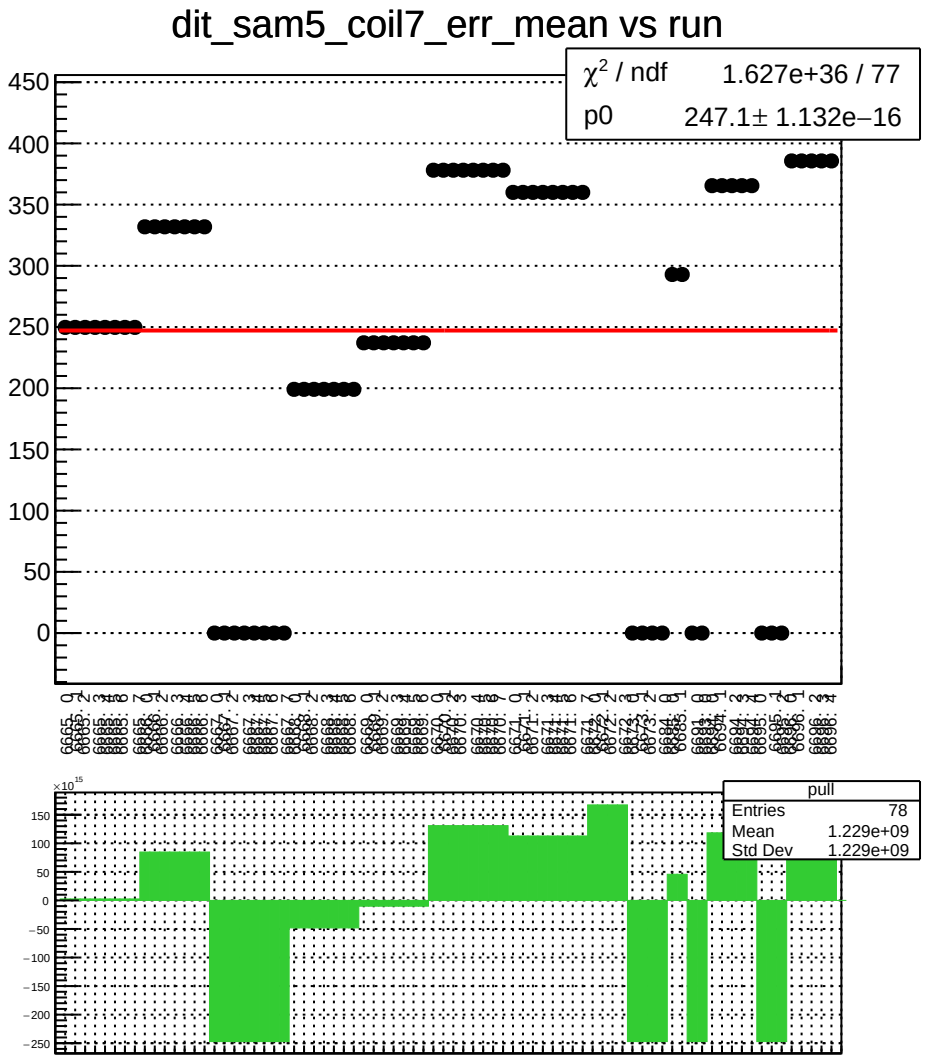
dit_sam4_coil7_Ndata_mean vs run

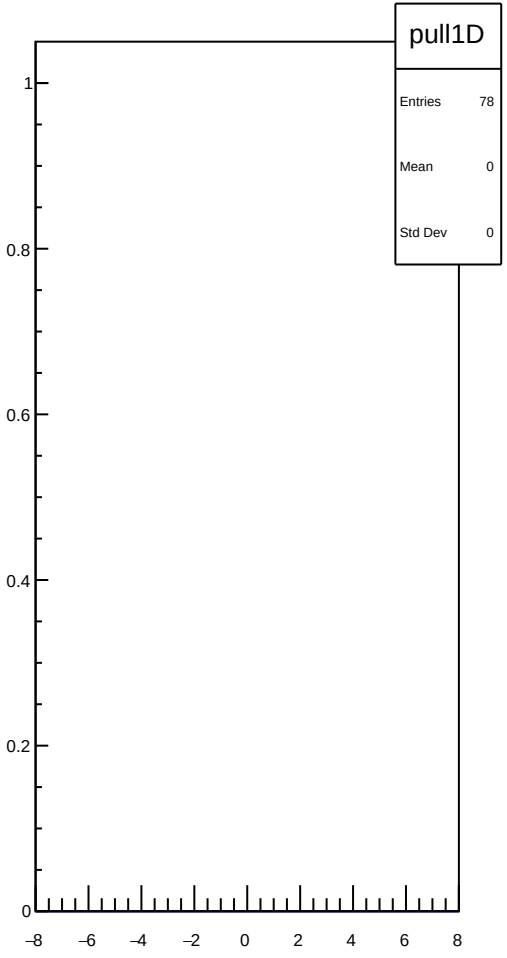




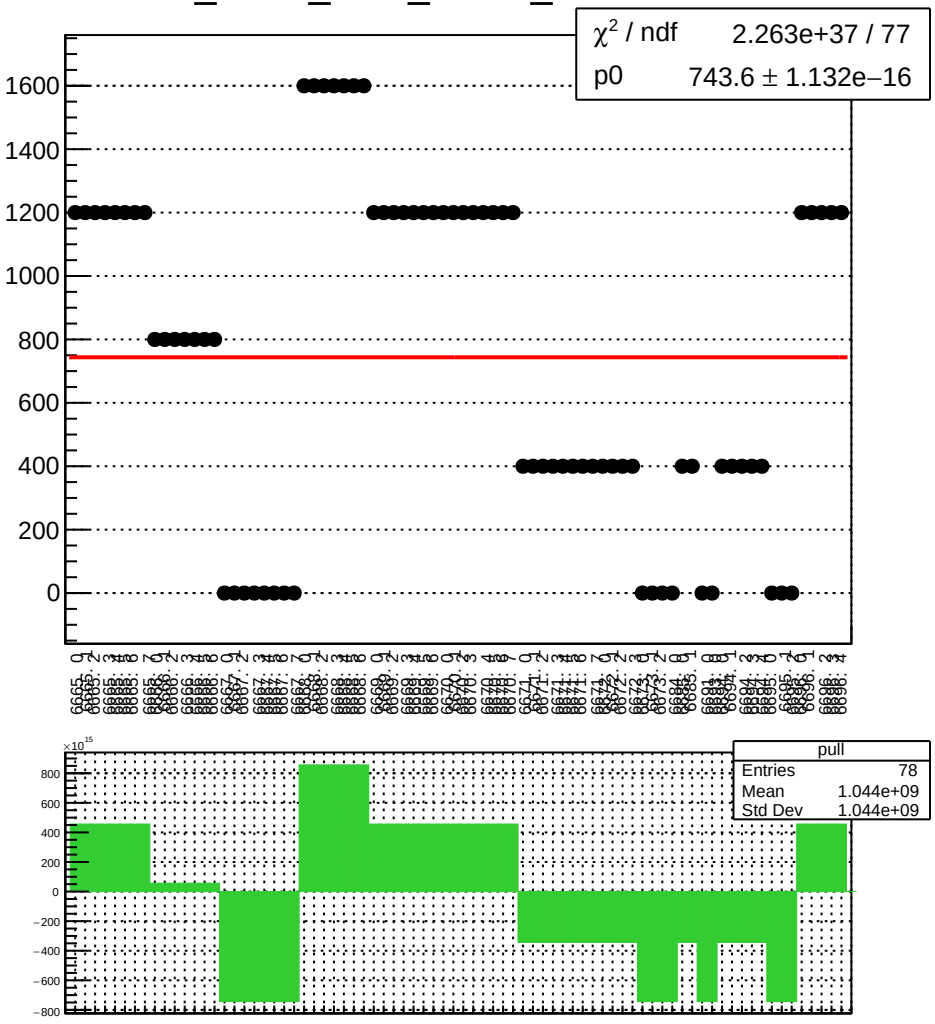

dit_sam5_coil7_mean vs run
χ² / ndf 3.047e+37 / 77
p0 −1128 ± 1.132e−16
pull
Entries 78
Mean −2.269e+08
Std Dev 2.269e+08

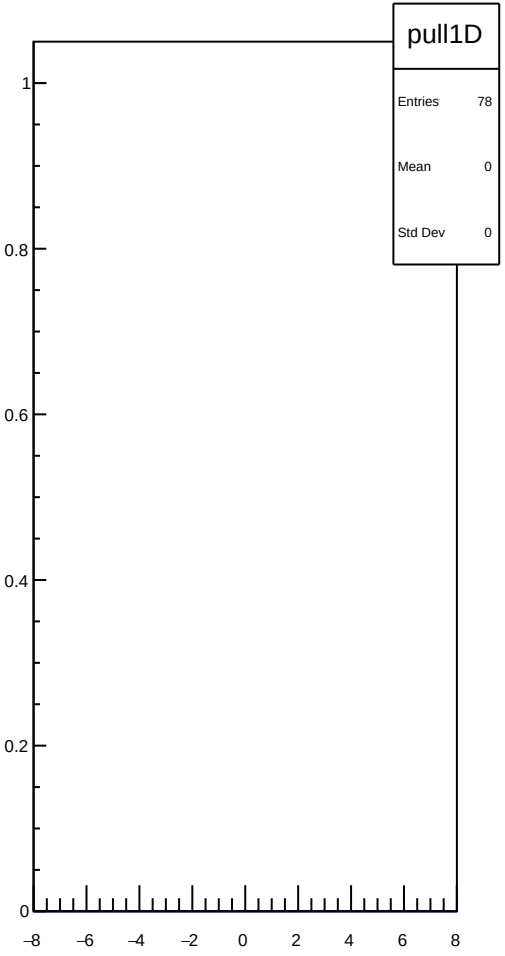

pull1D
Entries 78
Mean 0
Std Dev 0

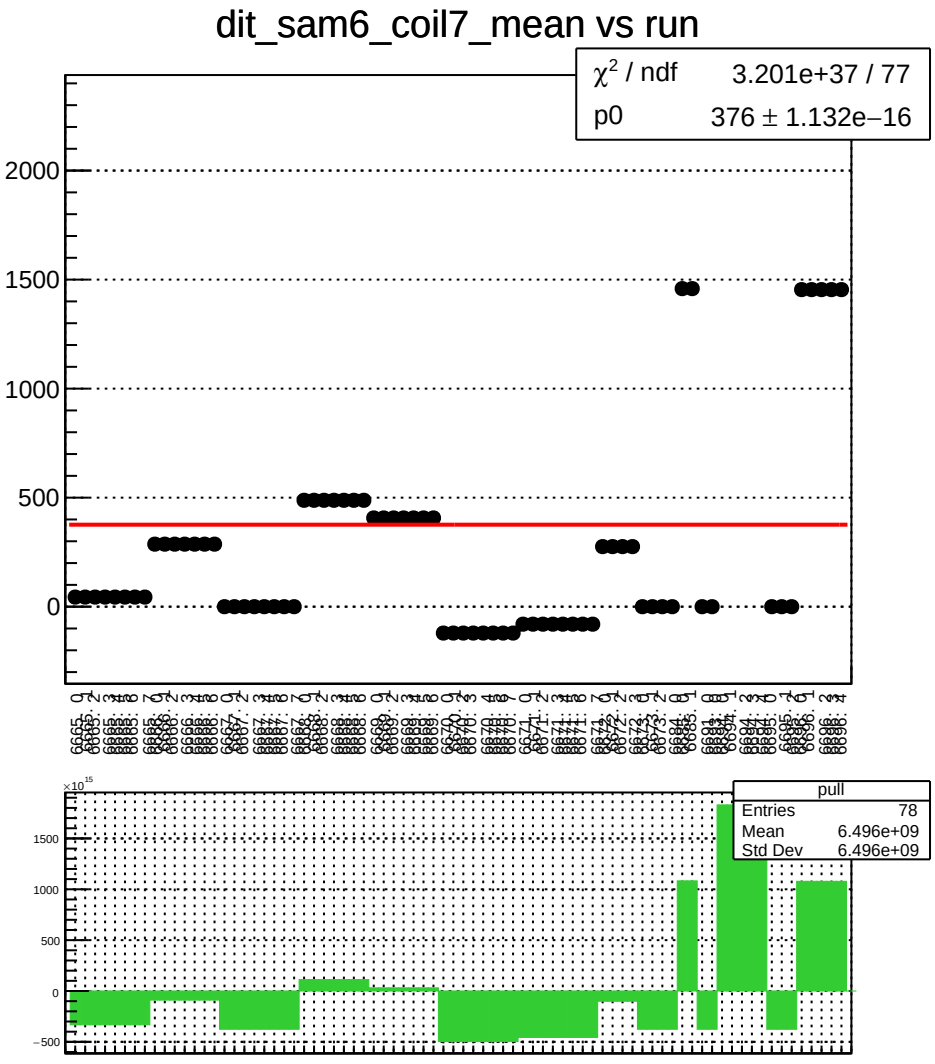

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.627e+36 / 77
p0 247.1± 1.132e−16
pull
Entries 78
Mean 1.229e+09
Std Dev 1.229e+09

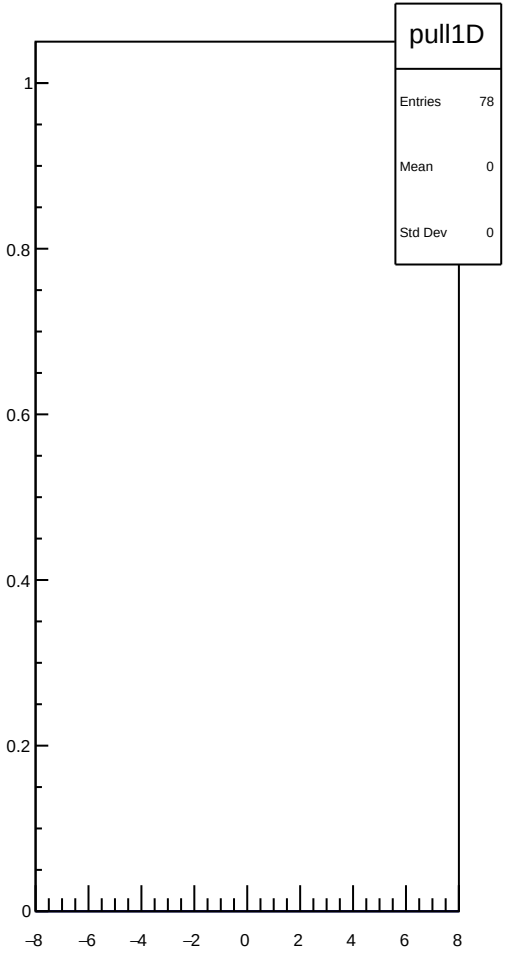

pull1D
Entries 78
Mean 0
Std Dev 0

dit_sam5_coil7_Ndata_mean vs run

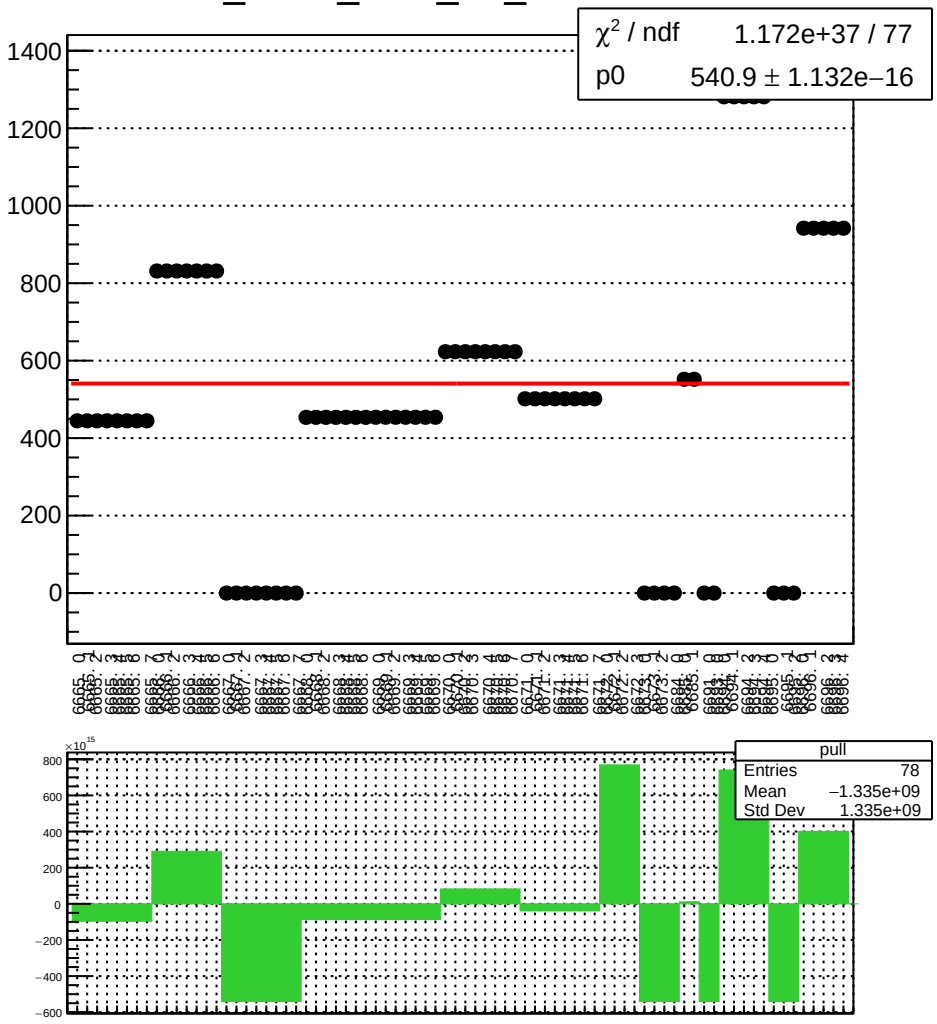


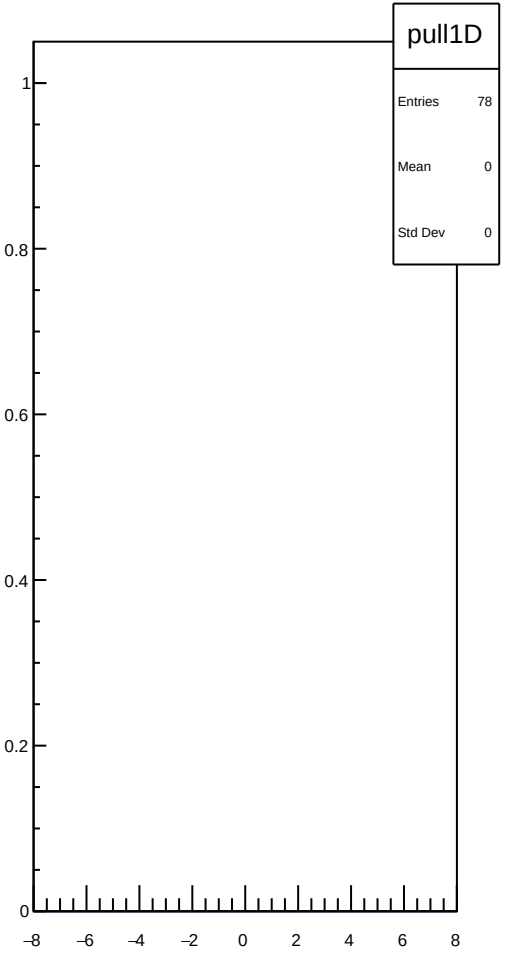



dit_sam6_coil7_mean vs run
χ^2 / ndf 3.201e+37 / 77
p0 376 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.496e+09
Std Dev 6.496e+09
1500
1000
500
0
−500

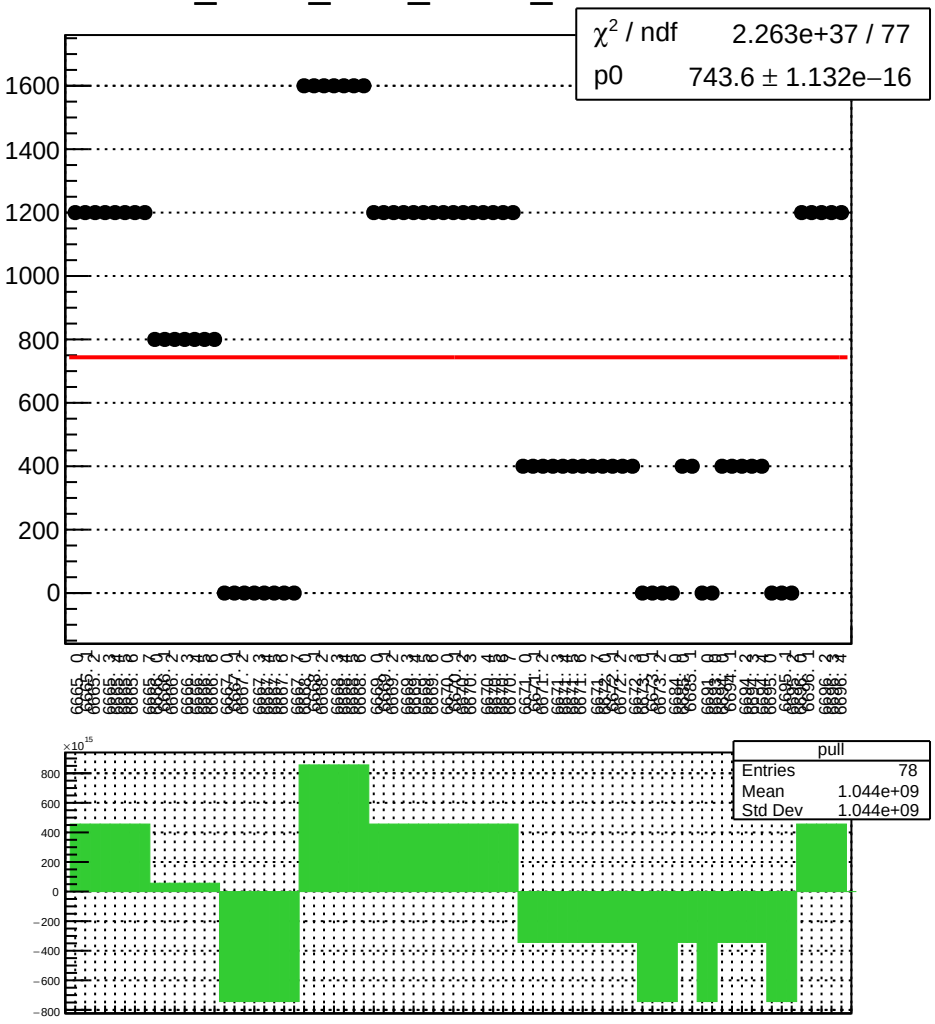

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

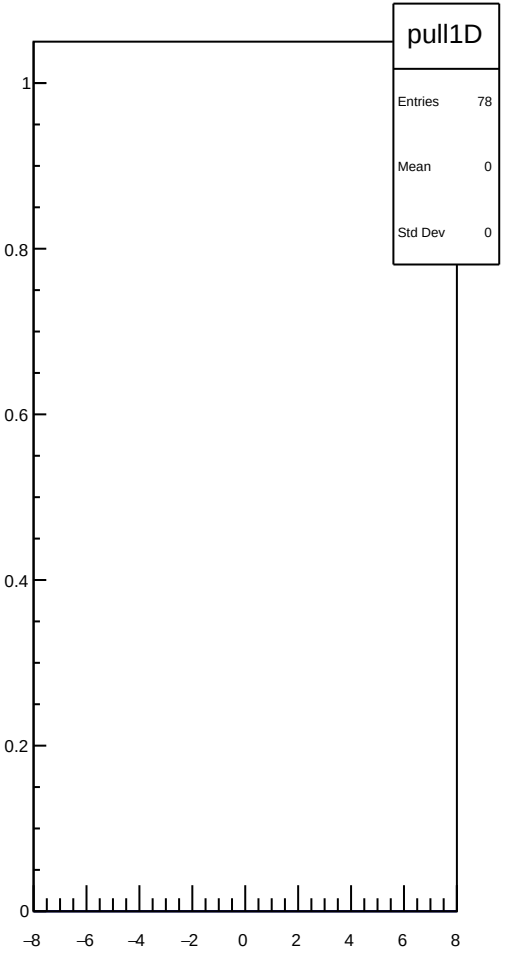
dit_sam6_coil7_err_mean vs run

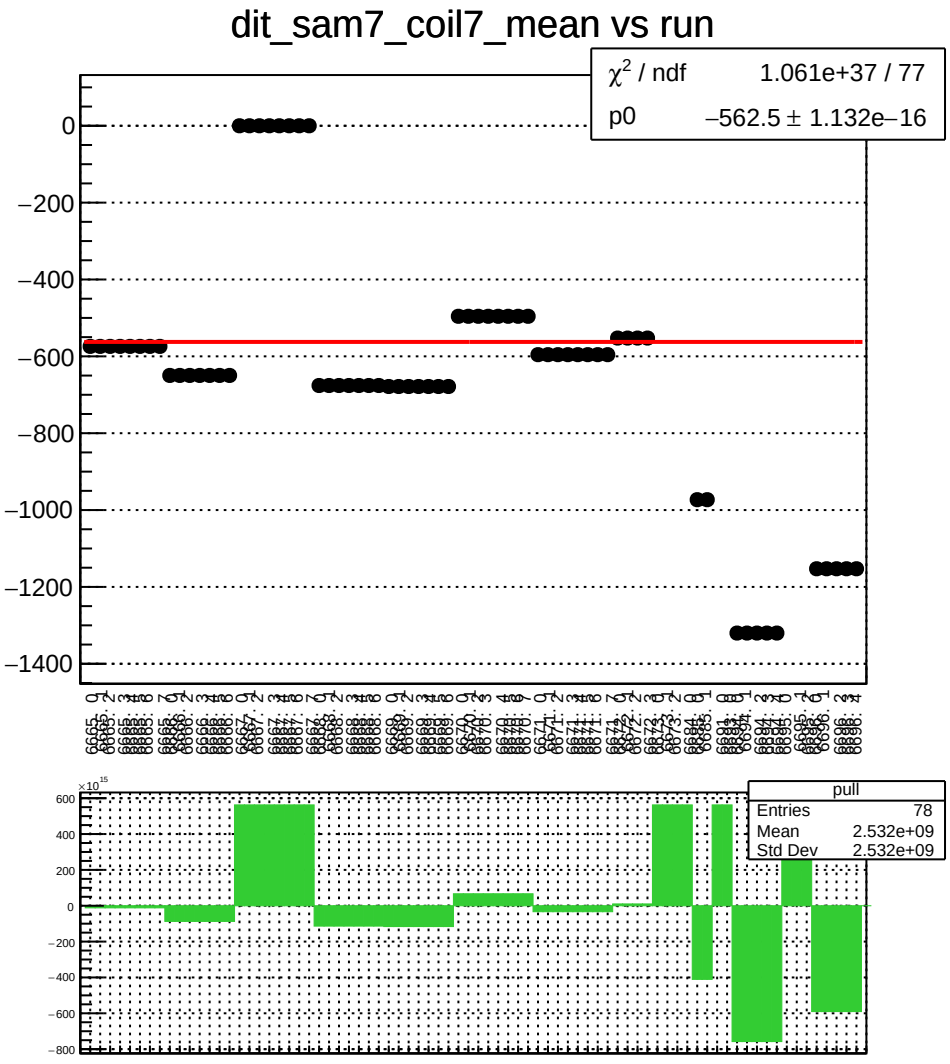


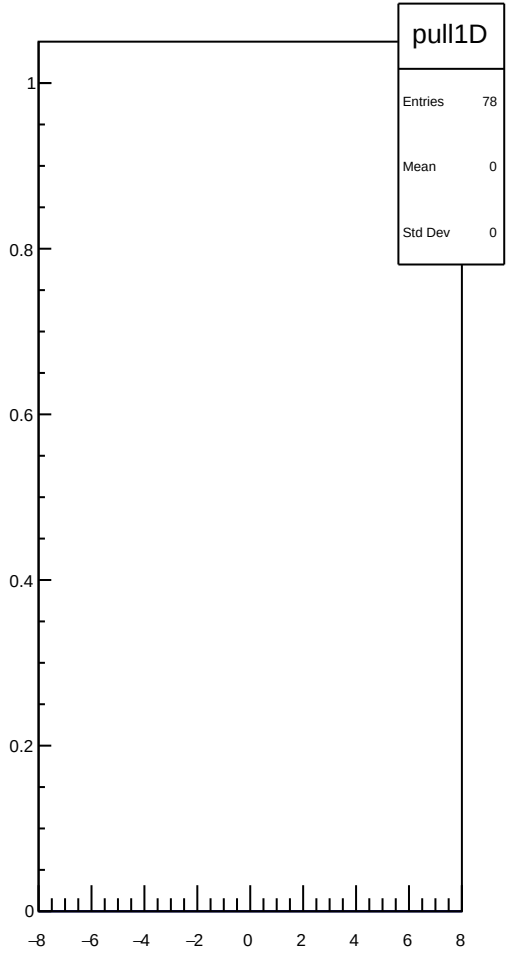


dit_sam6_coil7_Ndata_mean vs run

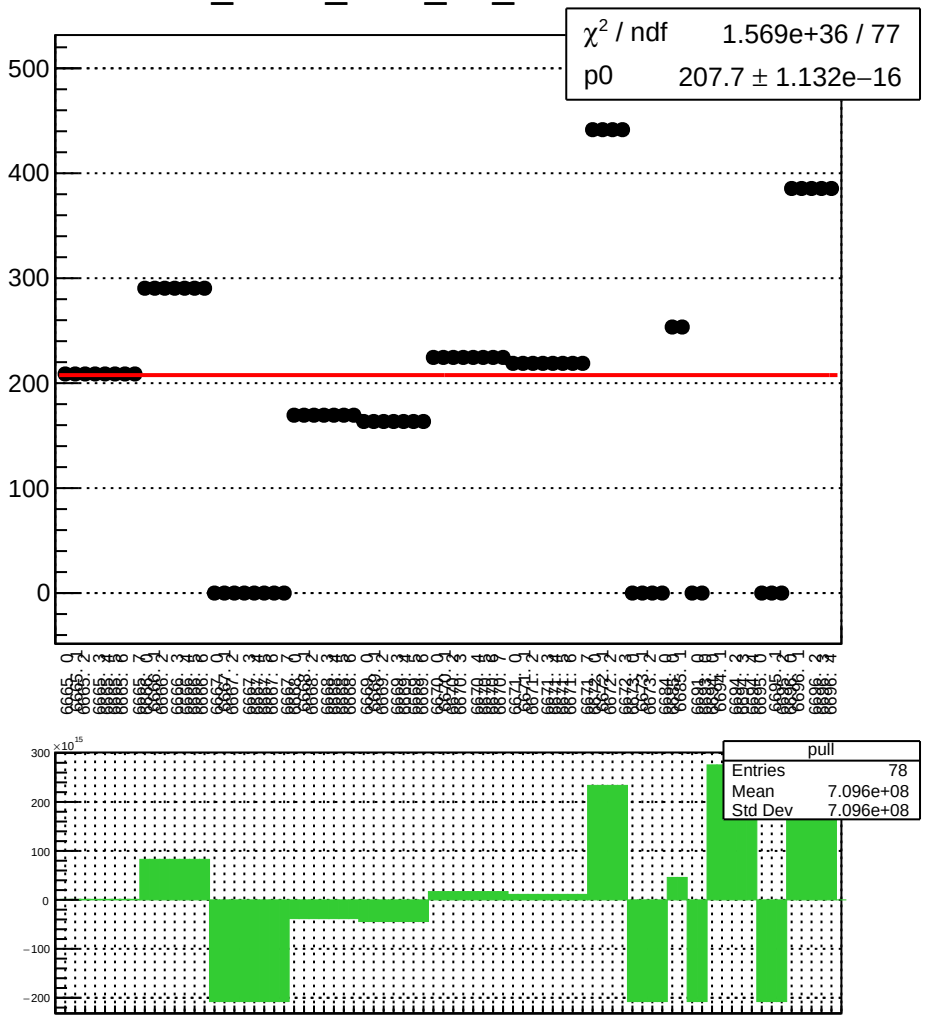


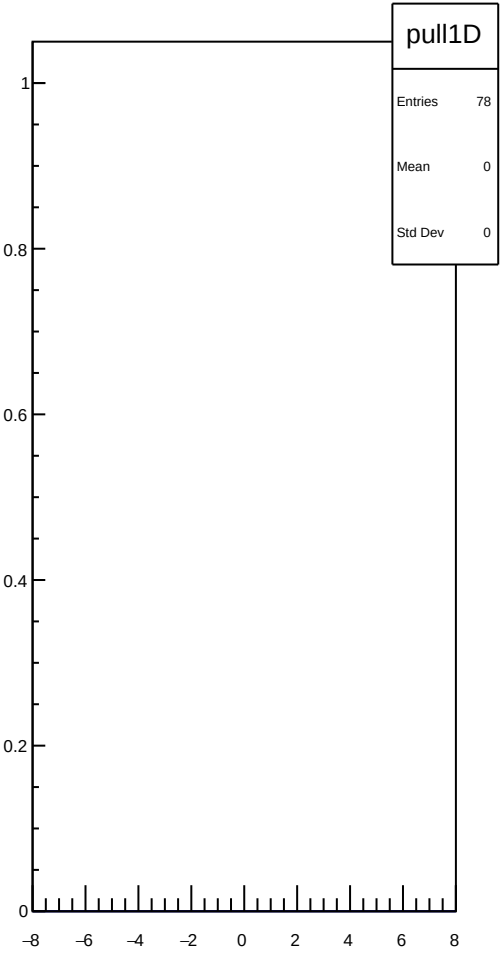



dit_sam7_coil7_mean vs run
χ^2 / ndf 1.061e+37 / 77
p0 −562.5 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 78
Mean 2.532e+09
Std Dev 2.532e+09
600
400
200
0
−200
−400
−600
−800

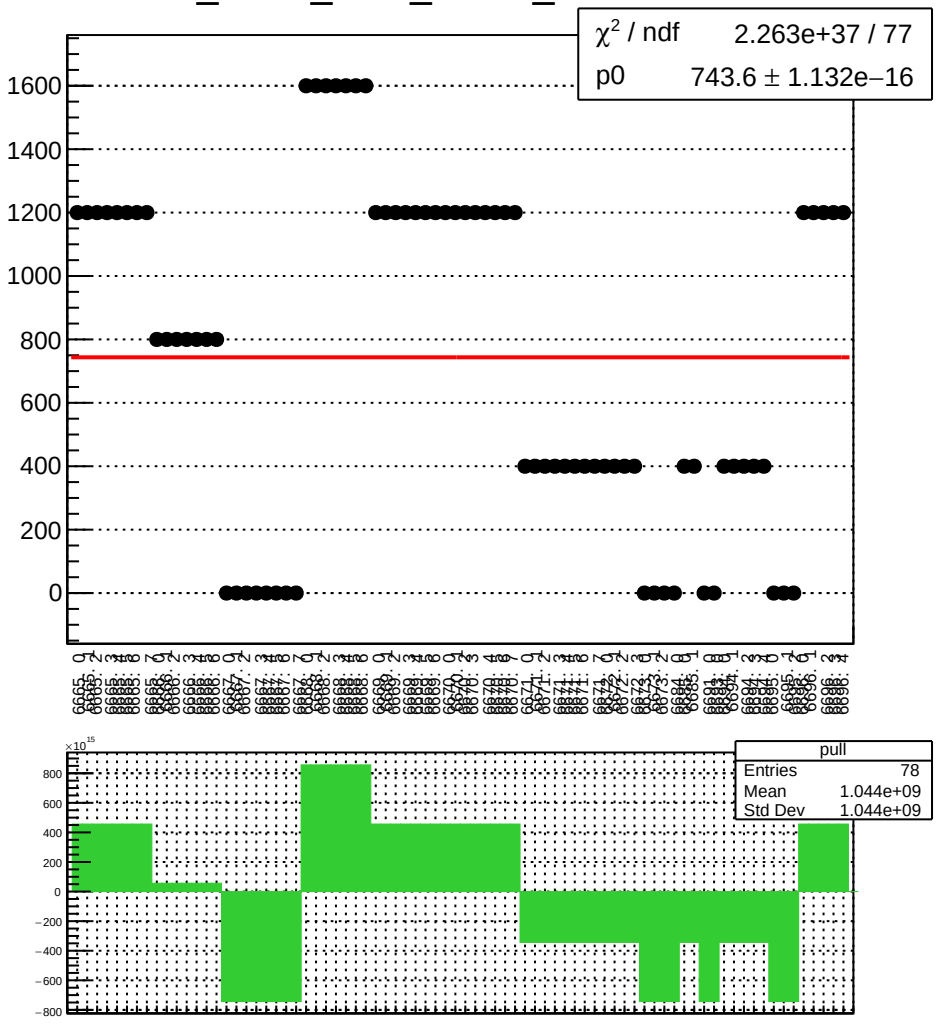

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

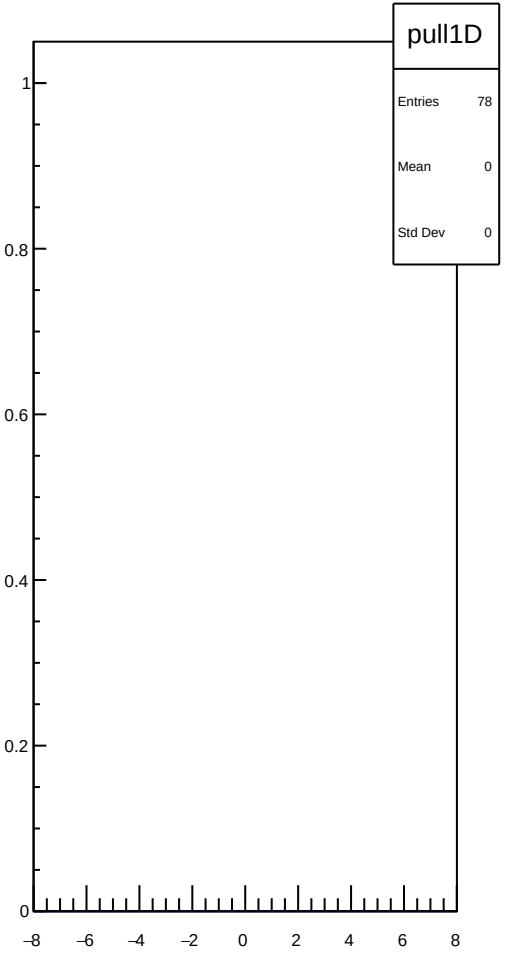
dit_sam7_coil7_err_mean vs run

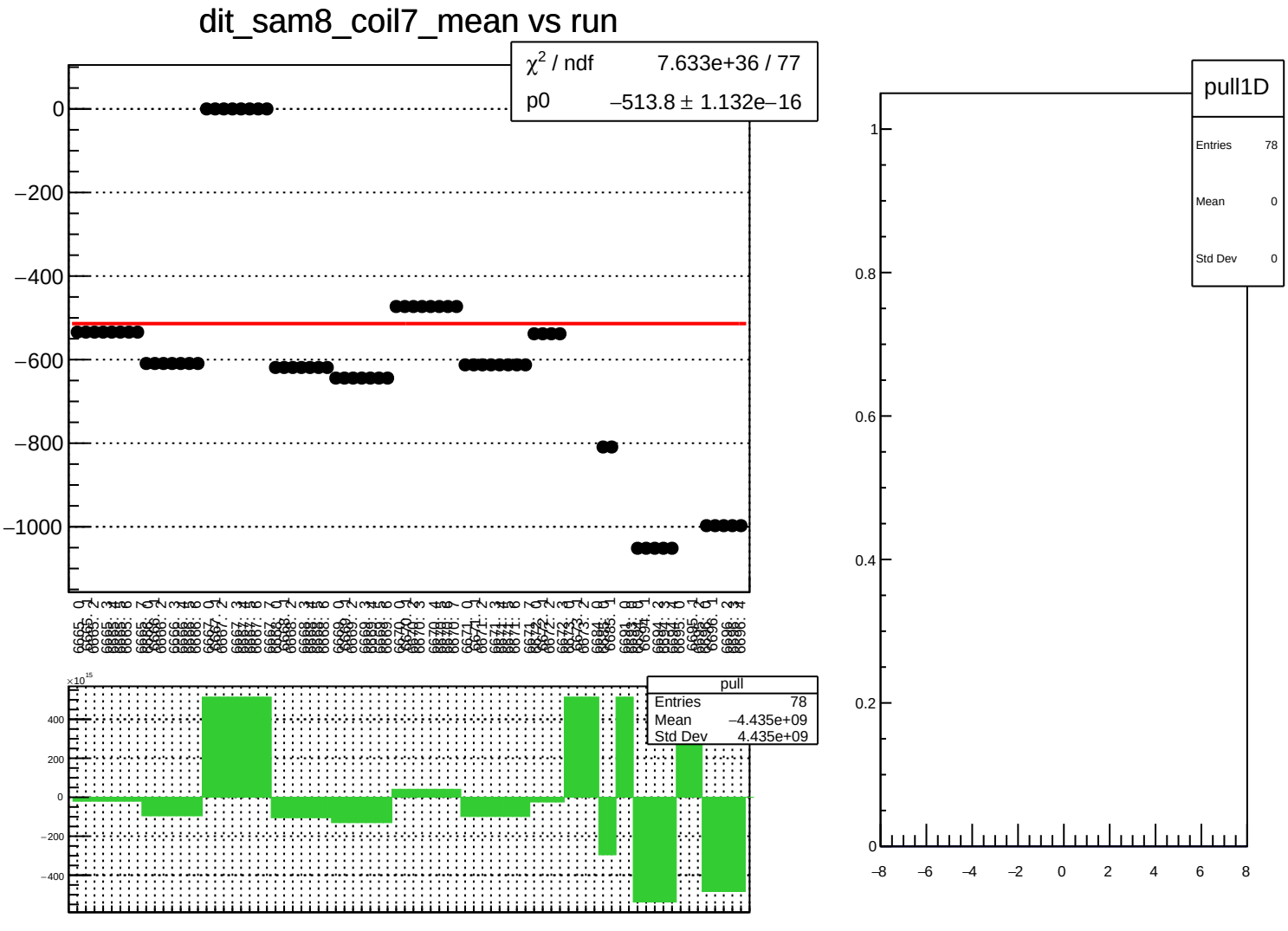


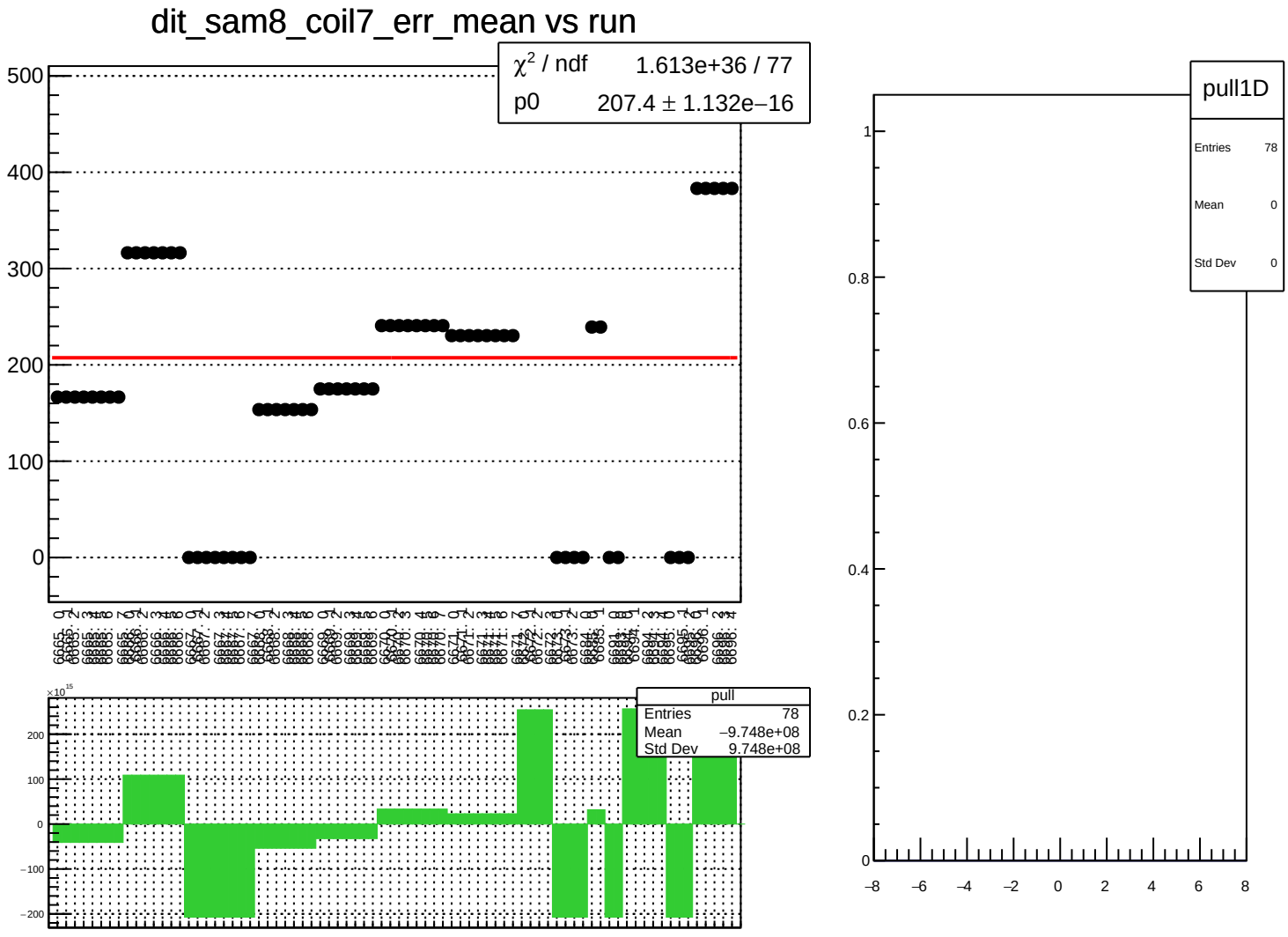


dit_sam7_coil7_Ndata_mean vs run

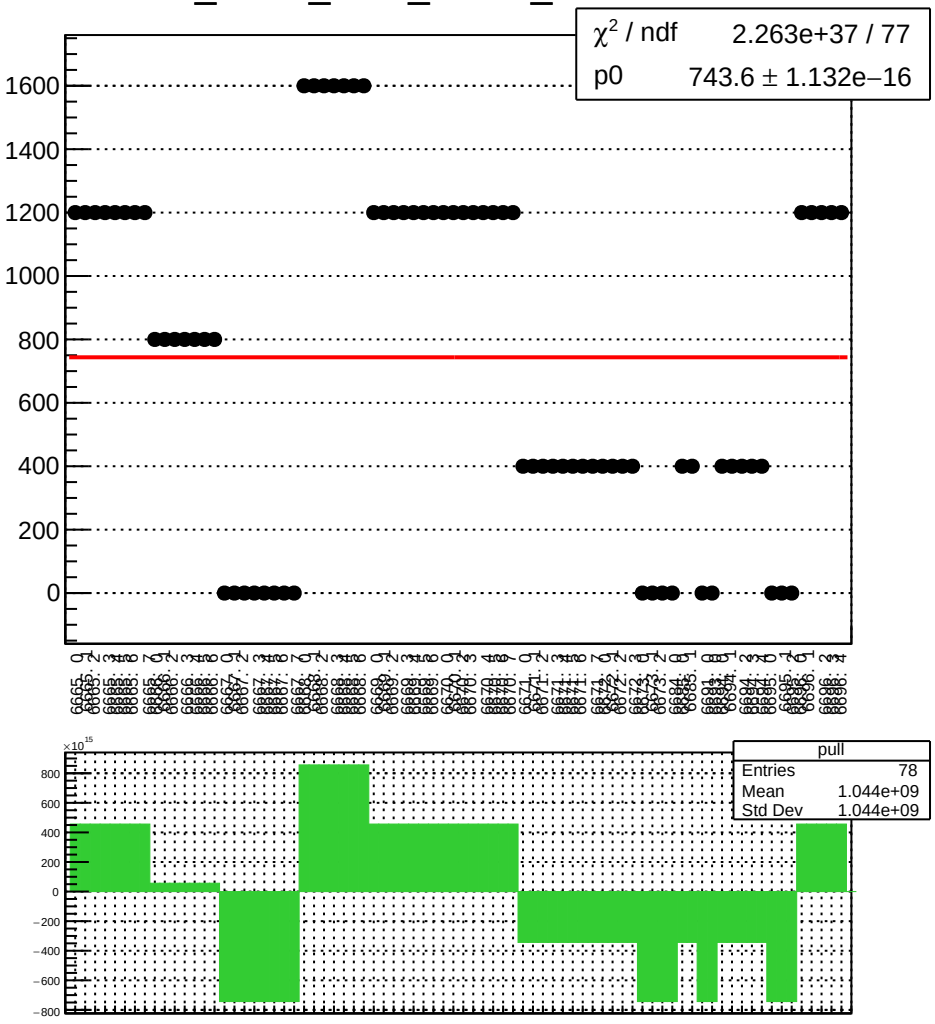


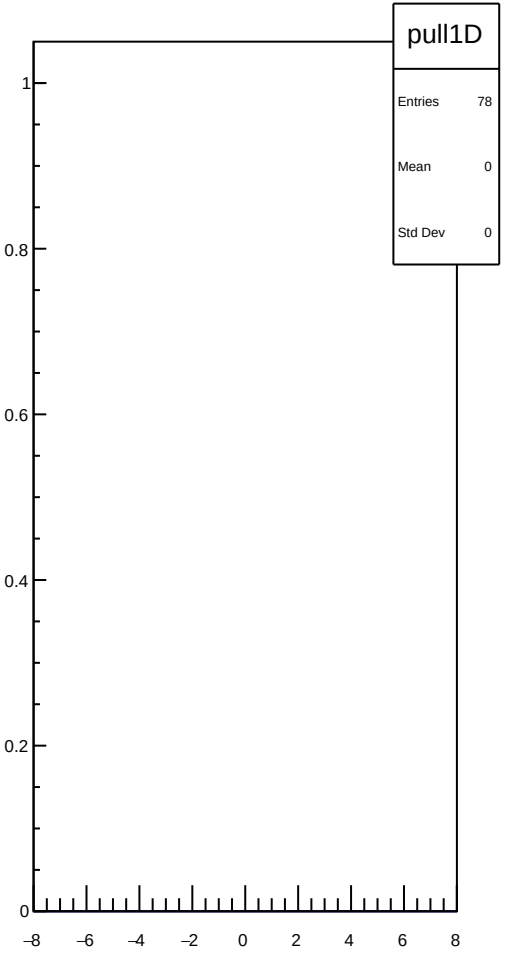



dit_sam8_coil7_mean vs run
χ² / ndf 7.633e+36 / 77
p0 −513.8 ± 1.132e−16
0
−200
−400
−600
−800
−1000
pull
Entries 78
Mean −4.435e+09
Std Dev 4.435e+09
×10¹⁵
400
200
0
−200
−400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

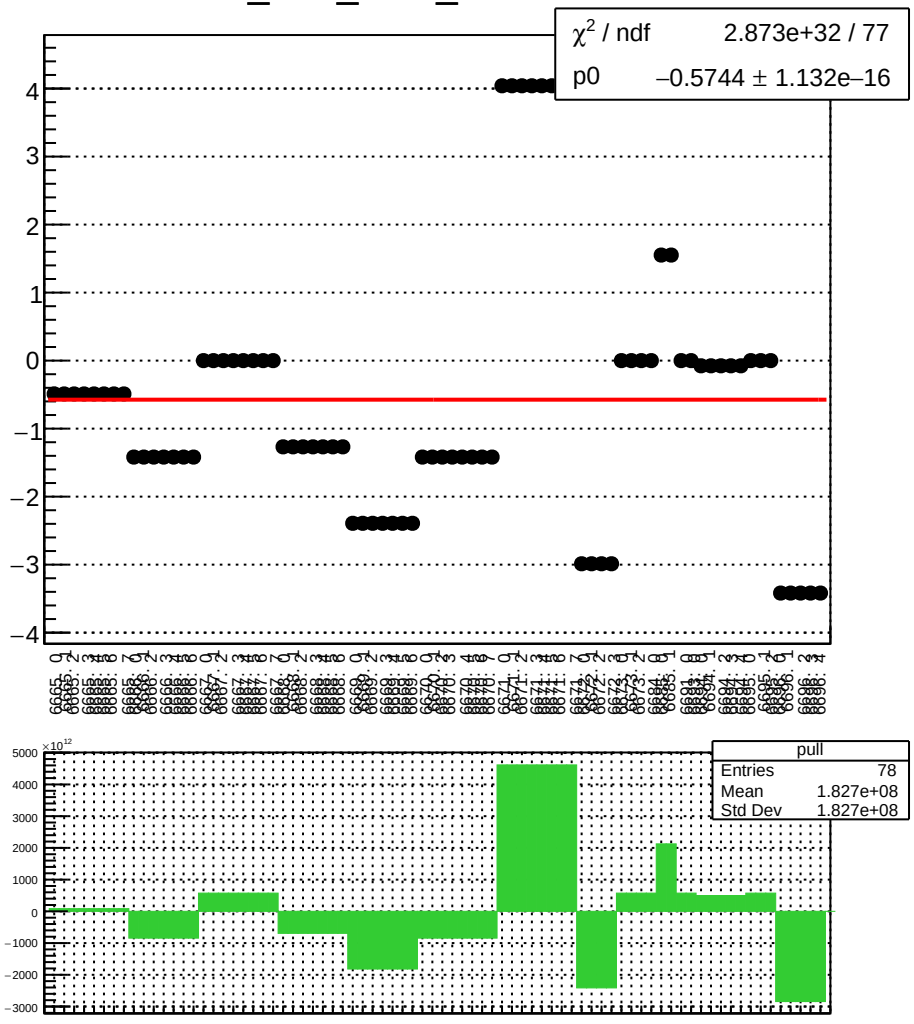

dit_sam8_coil7_err_mean vs run
χ² / ndf 1.613e+36 / 77
p0 207.4 ± 1.132e−16
500
400
300
200
100
0
pull
Entries 78
Mean −9.748e+08
Std Dev 9.748e+08
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

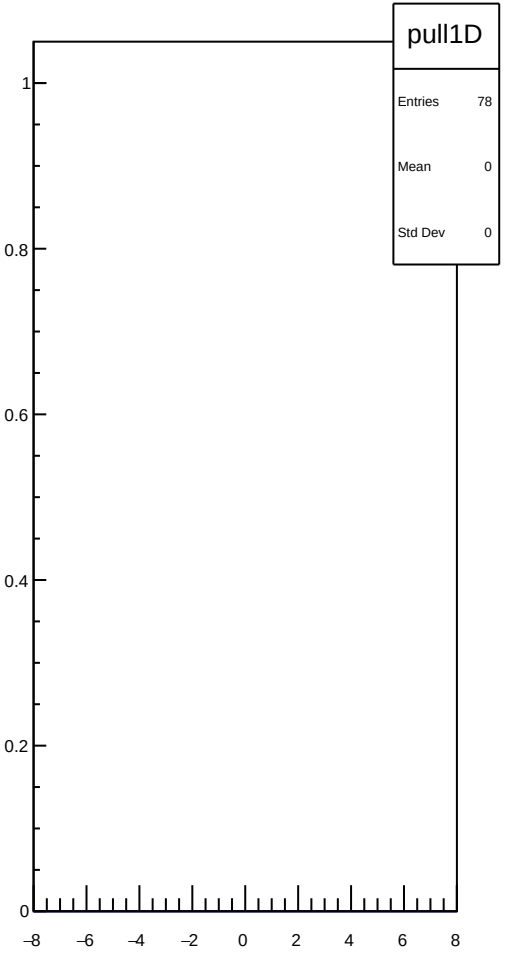
dit_sam8_coil7_Ndata_mean vs run

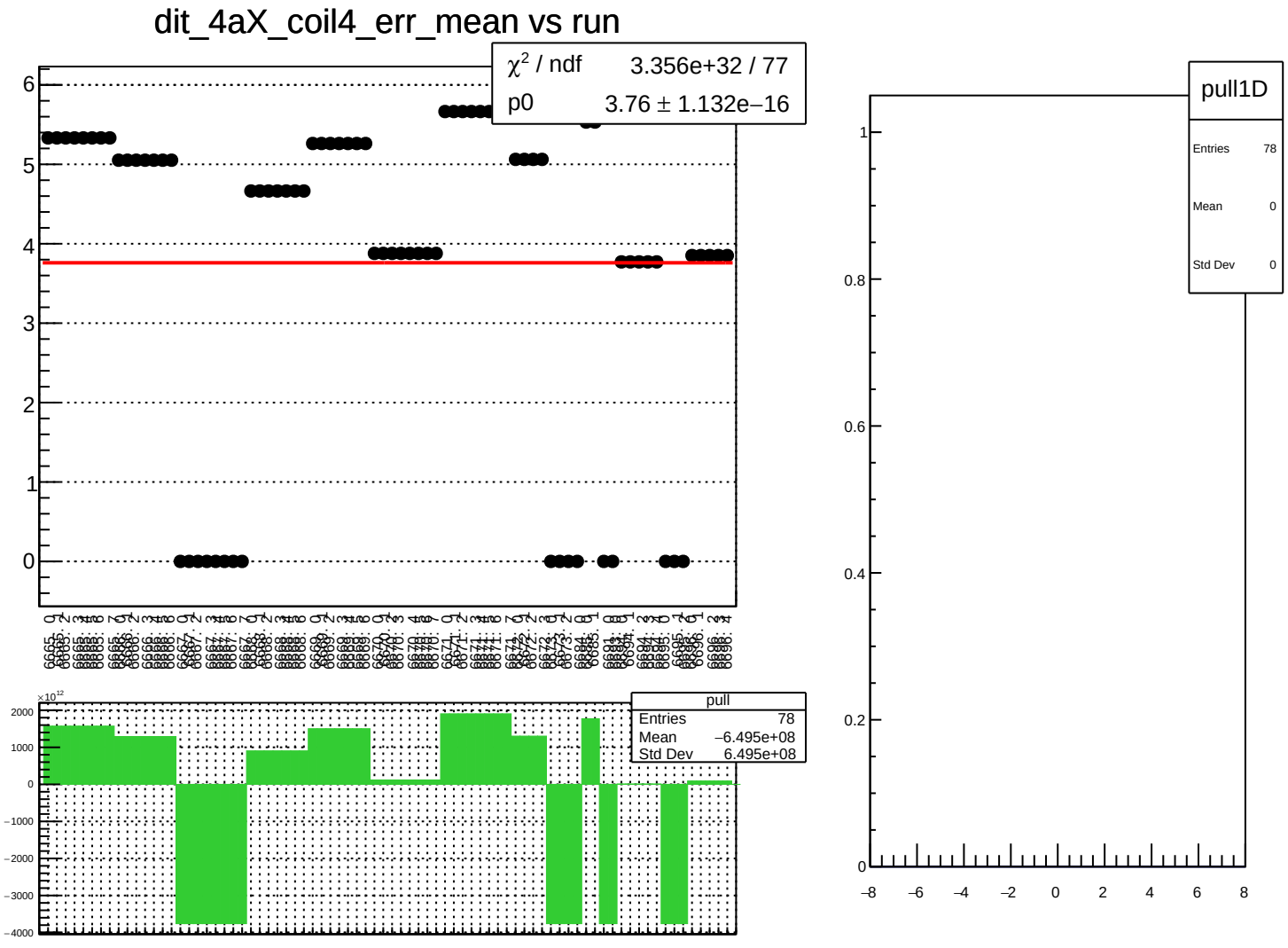




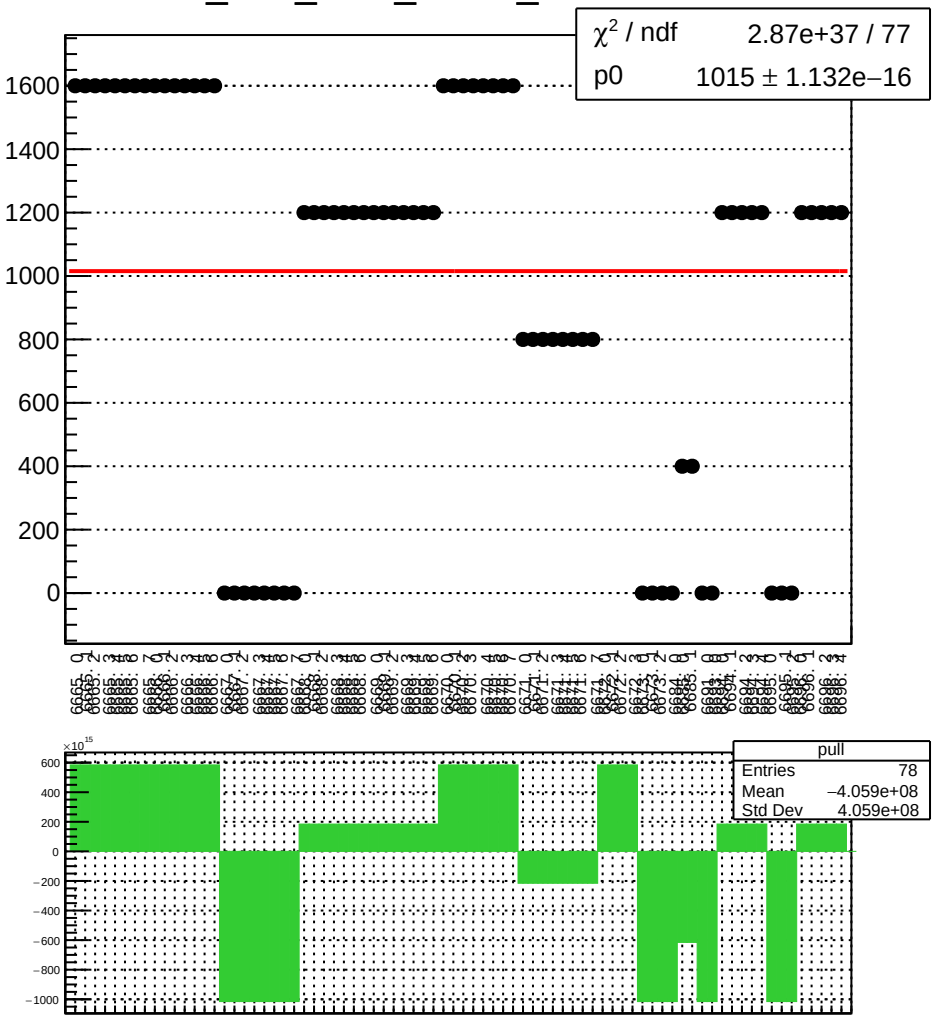
dit_4aX_coil4_mean vs run

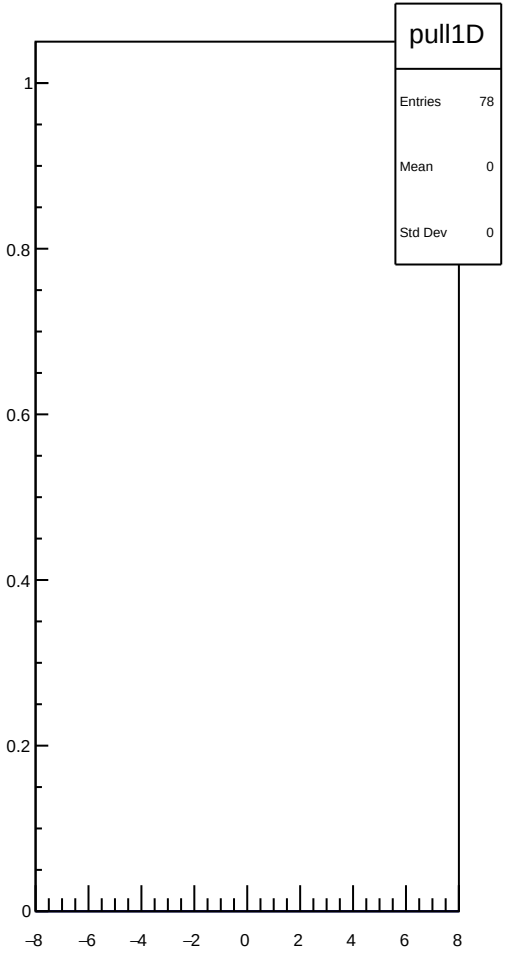


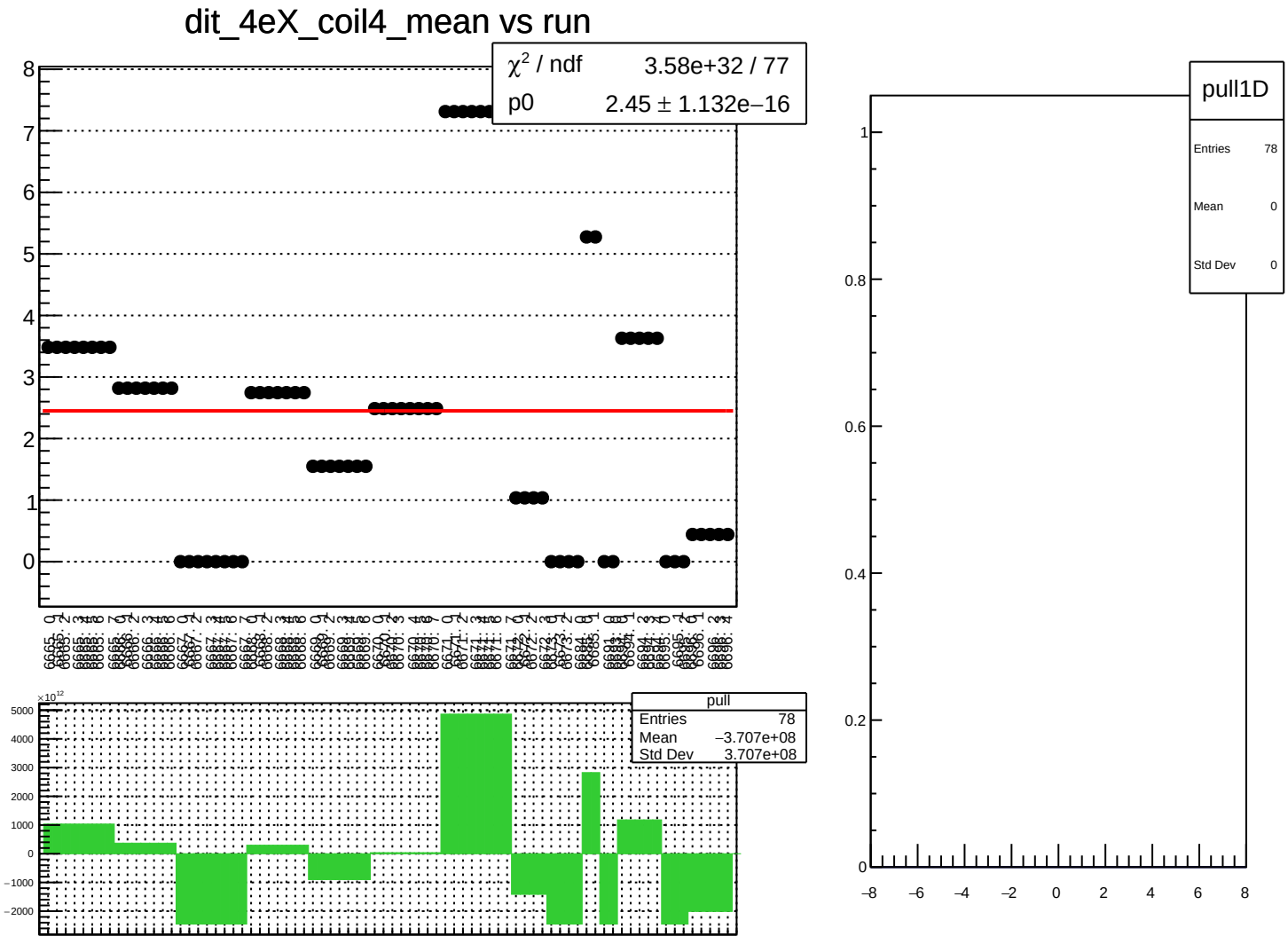



dit_4aX_coil4_err_mean vs run
χ² / ndf 3.356e+32 / 77
p0 3.76 ± 1.132e−16
pull
Entries 78
Mean −6.495e+08
Std Dev 6.495e+08
pull1D
Entries 78
Mean 0
Std Dev 0

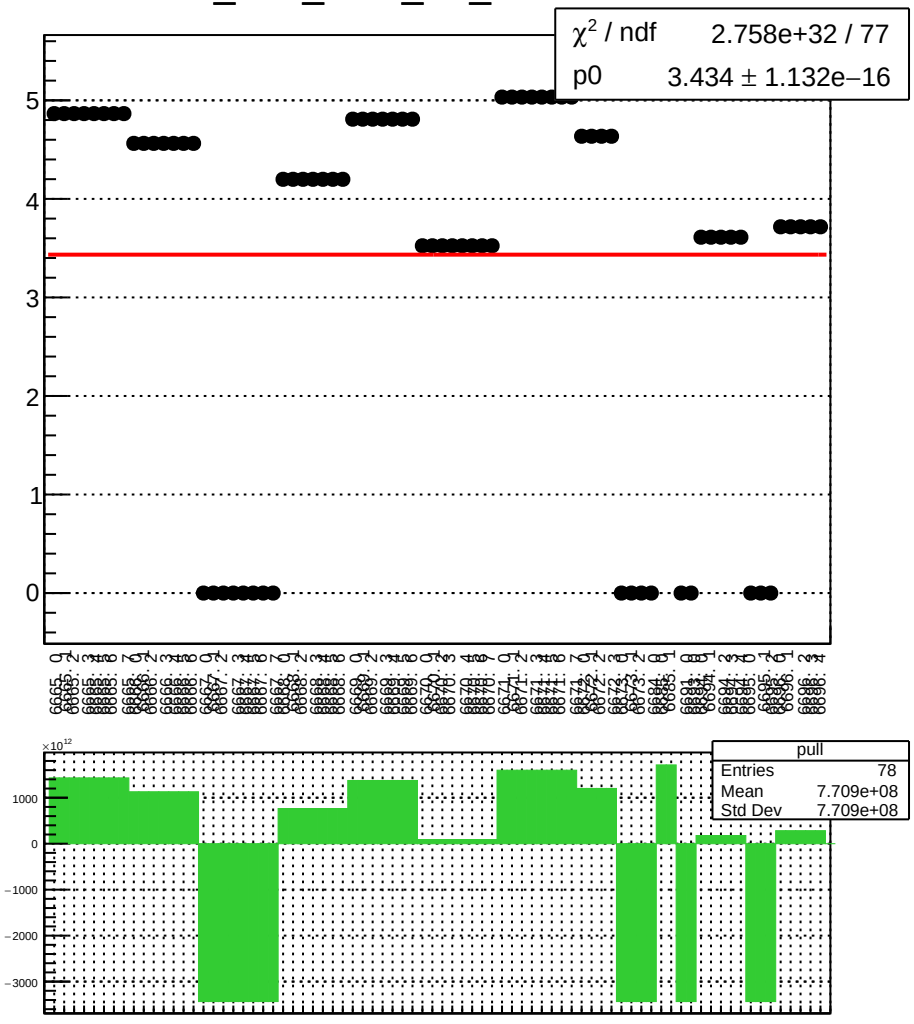
dit_4aX_coil4_Ndata_mean vs run

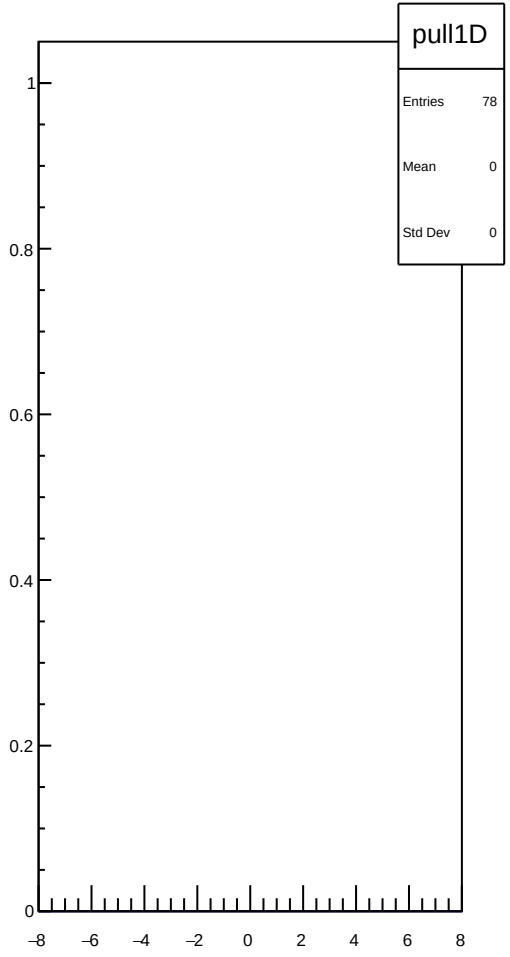




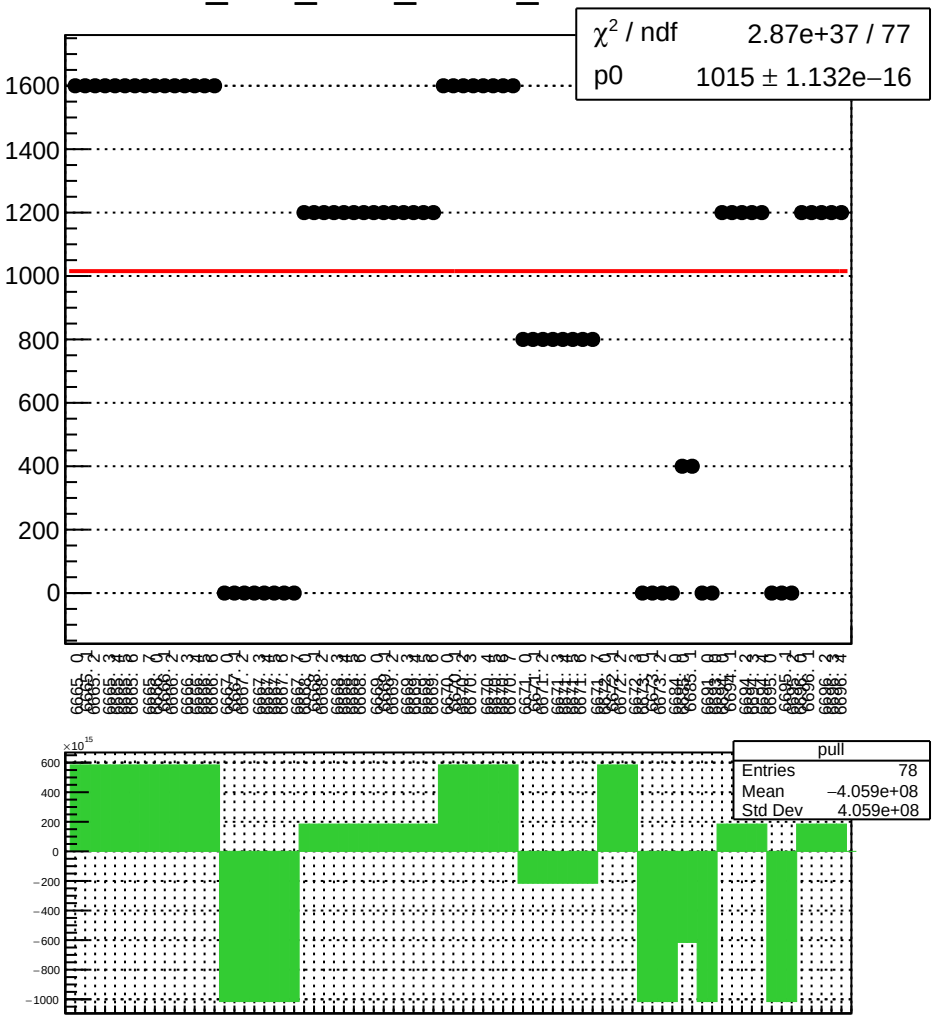

dit_4eX_coil4_mean vs run
χ² / ndf 3.58e+32 / 77
p0 2.45 ± 1.132e−16
pull
Entries 78
Mean −3.707e+08
Std Dev 3.707e+08
pull1D
Entries 78
Mean 0
Std Dev 0

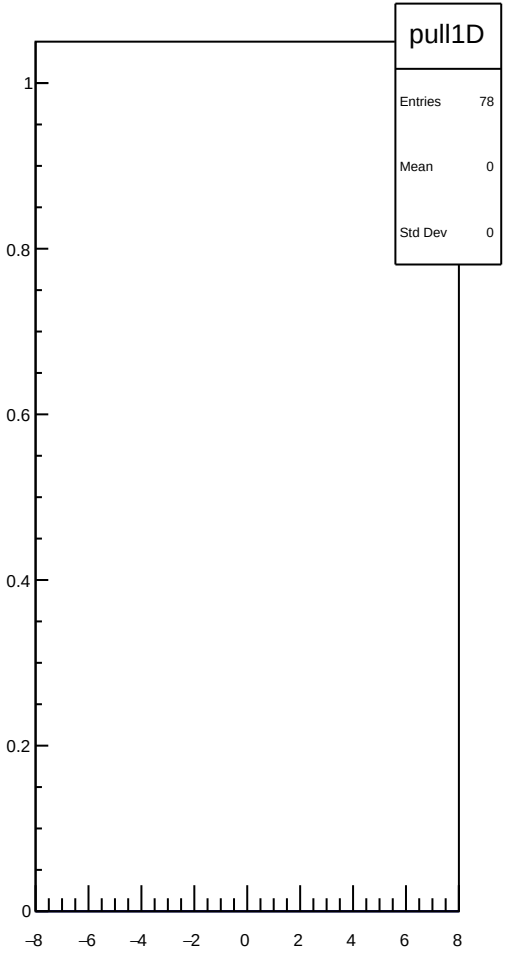
dit_4eX_coil4_err_mean vs run



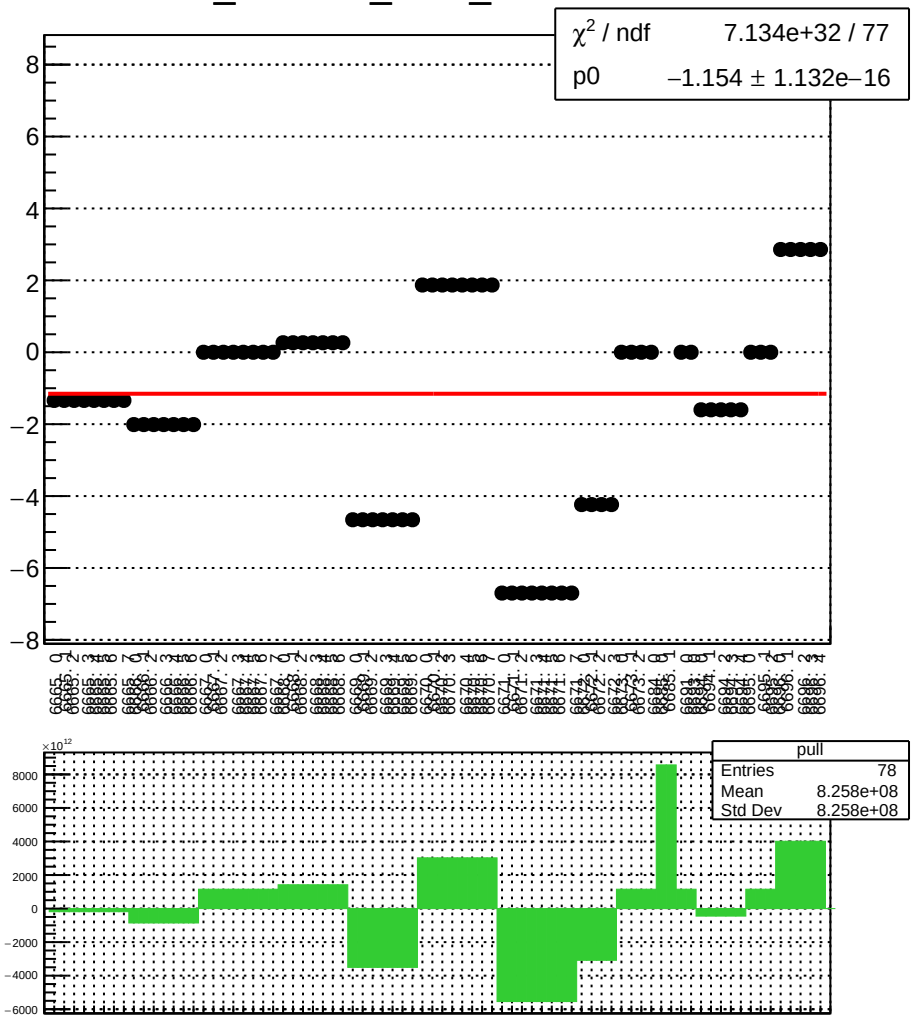


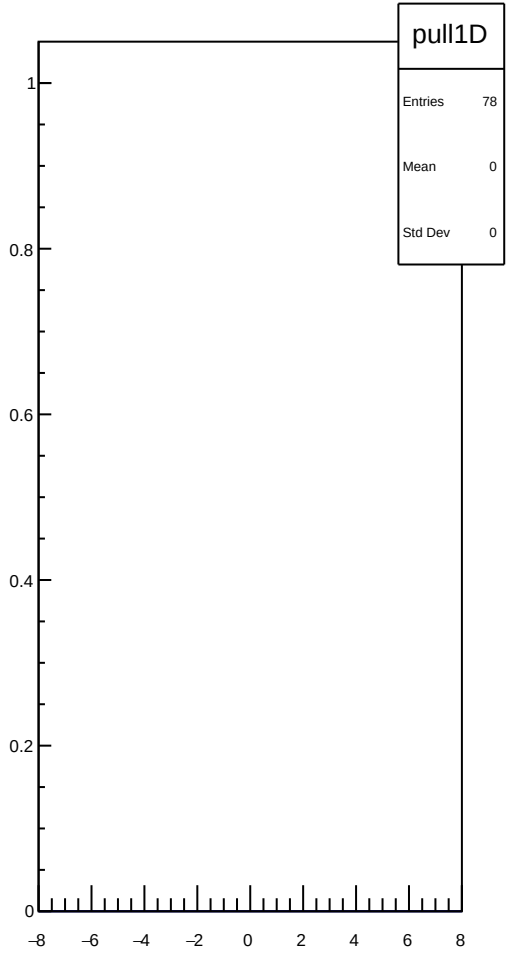
dit_4eX_coil4_Ndata_mean vs run



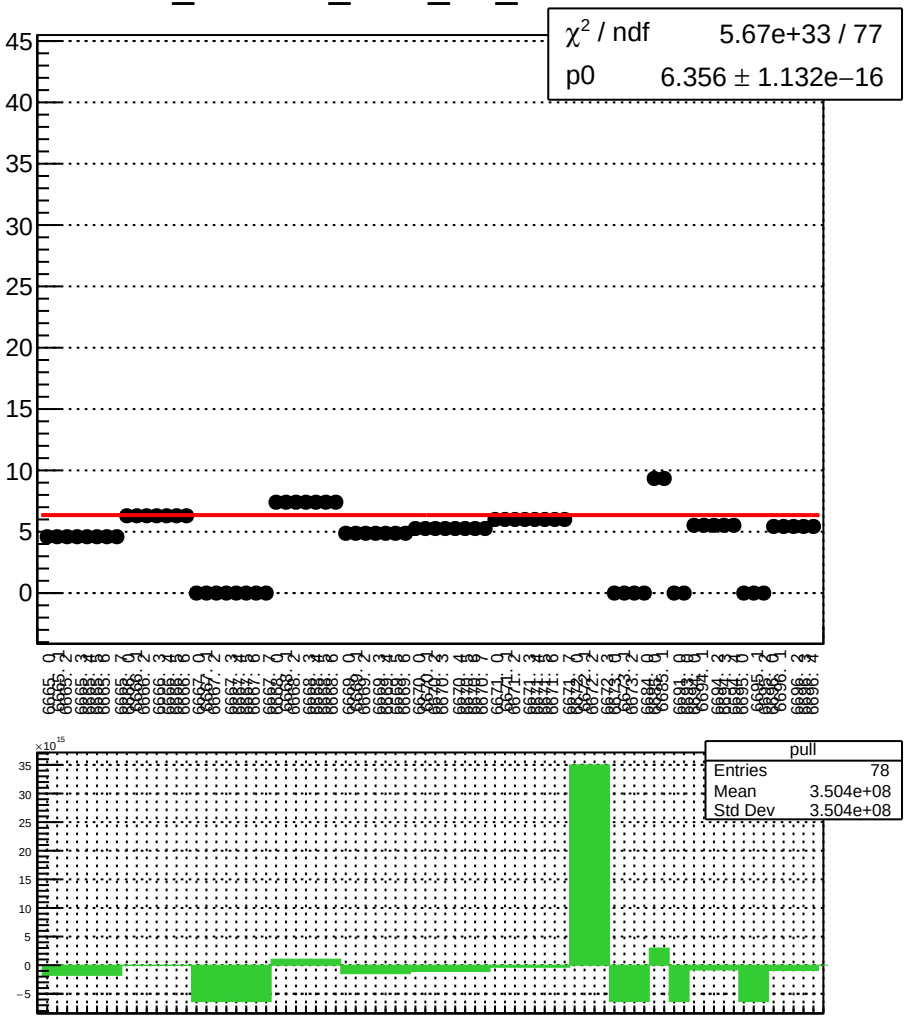


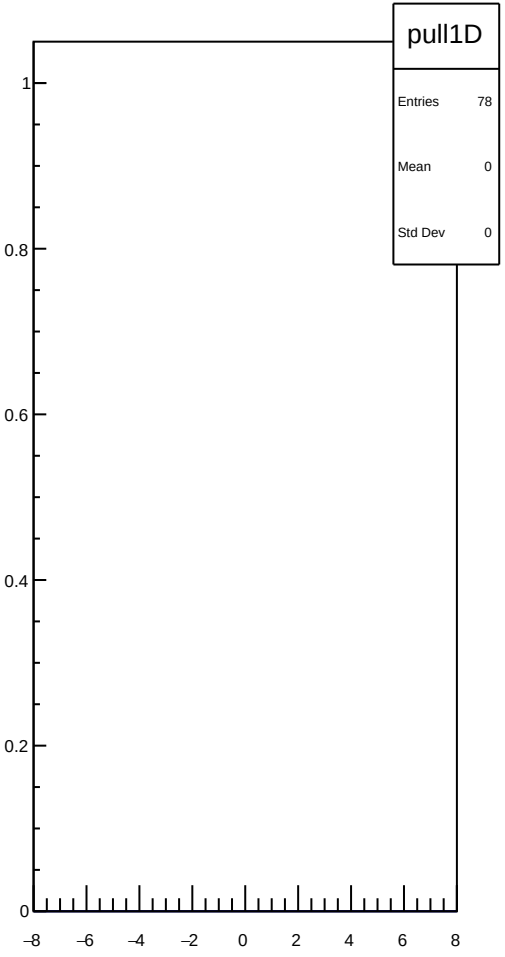
dit_11X12X_coil4_mean vs run



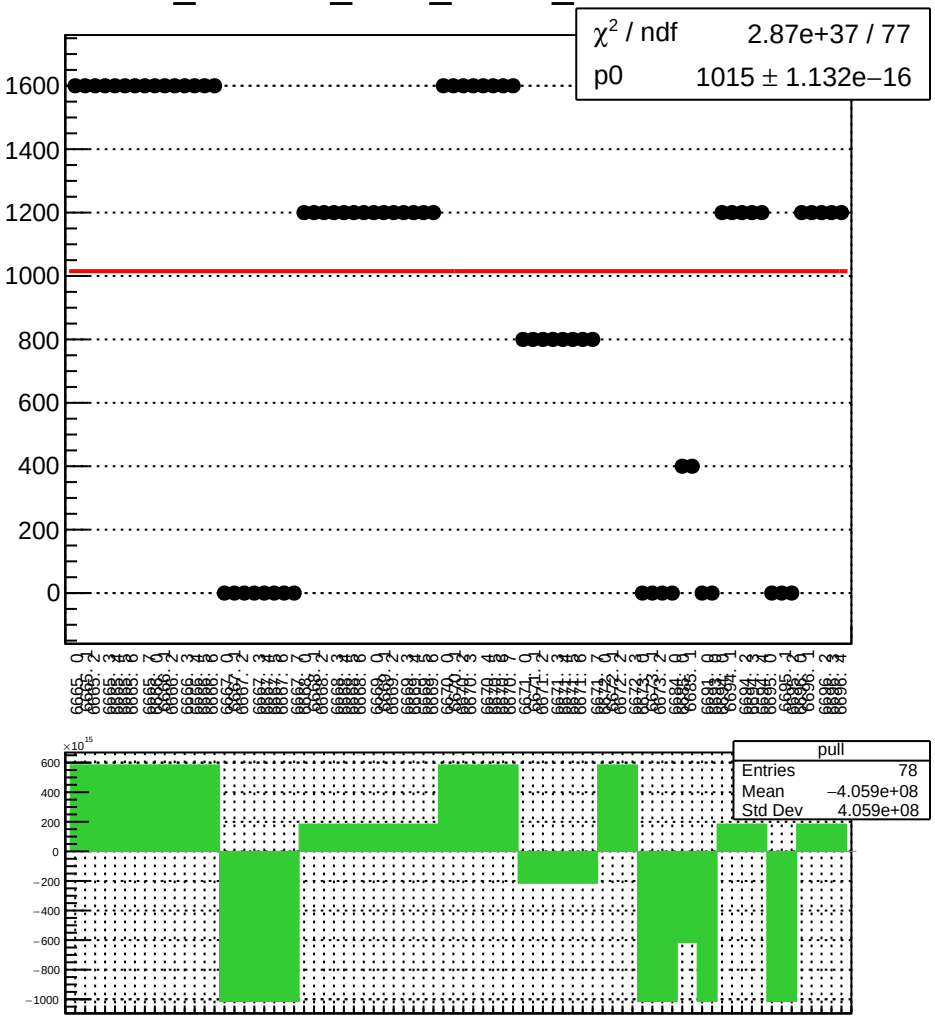


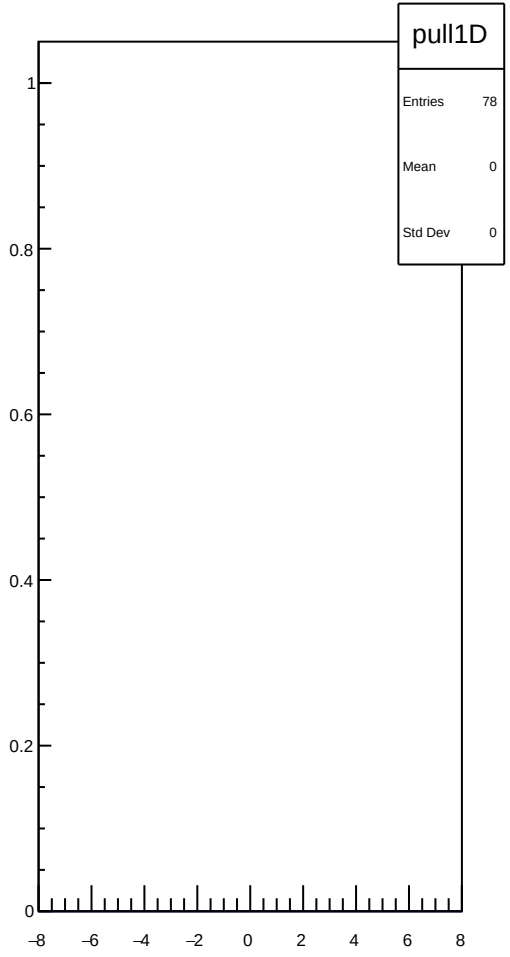
dit_11X12X_coil4_err_mean vs run

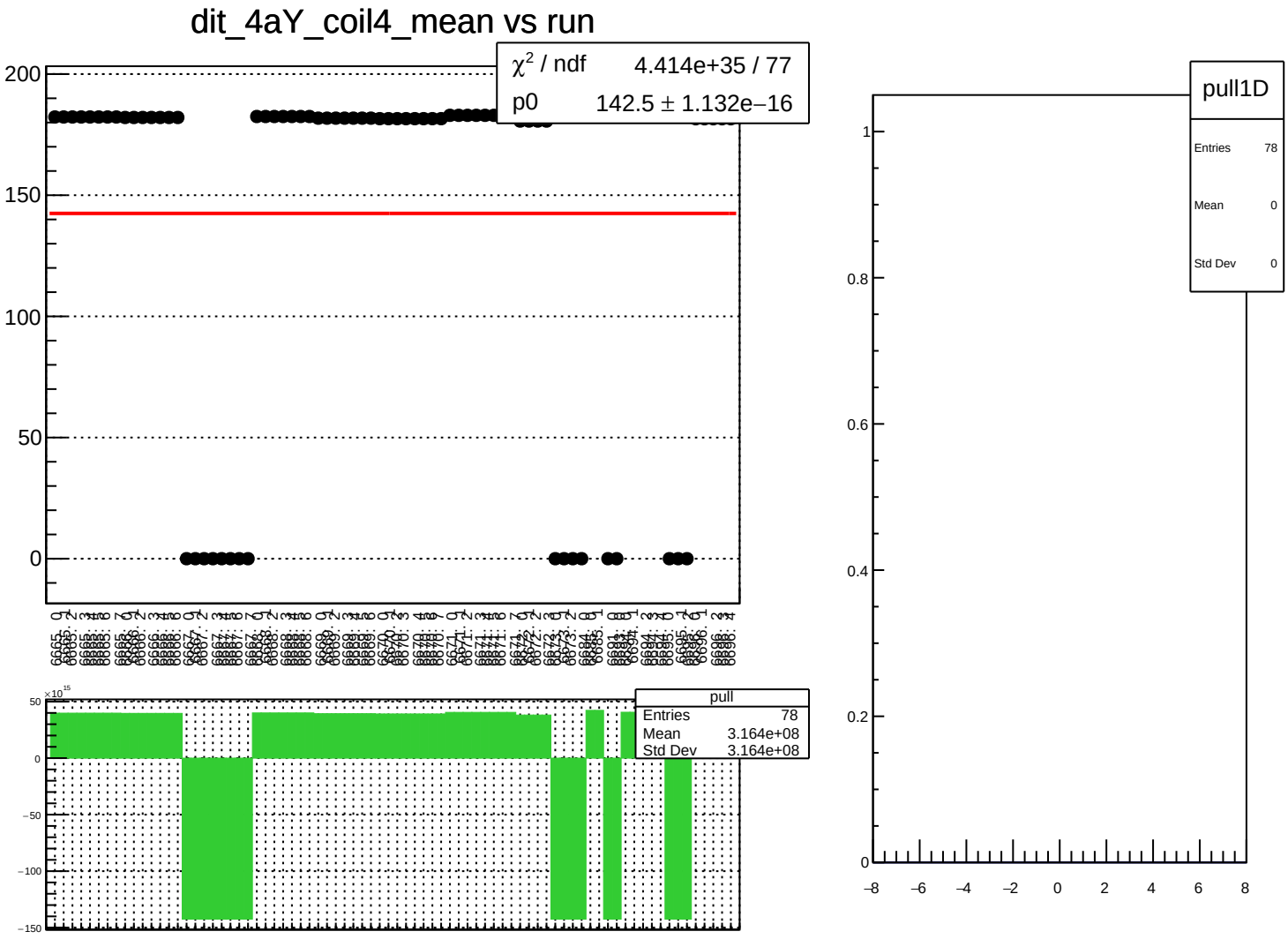




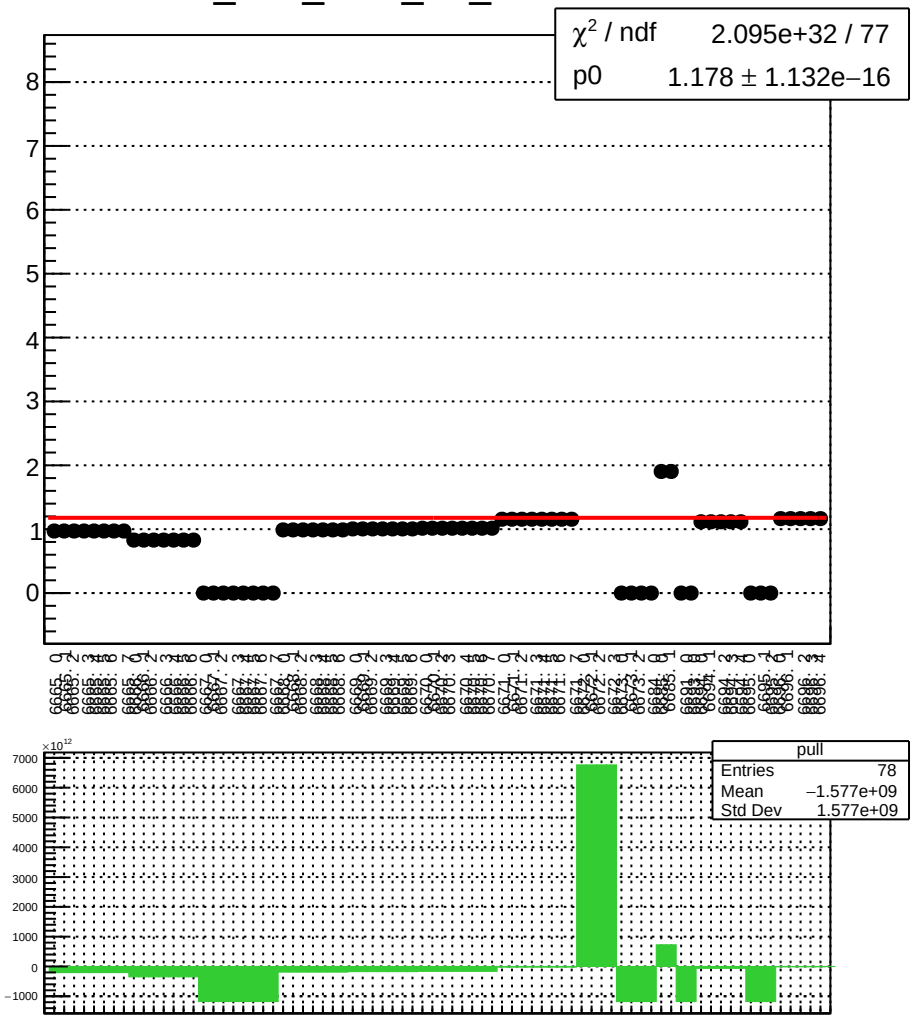
dit_11X12X_coil4_Ndata_mean vs run

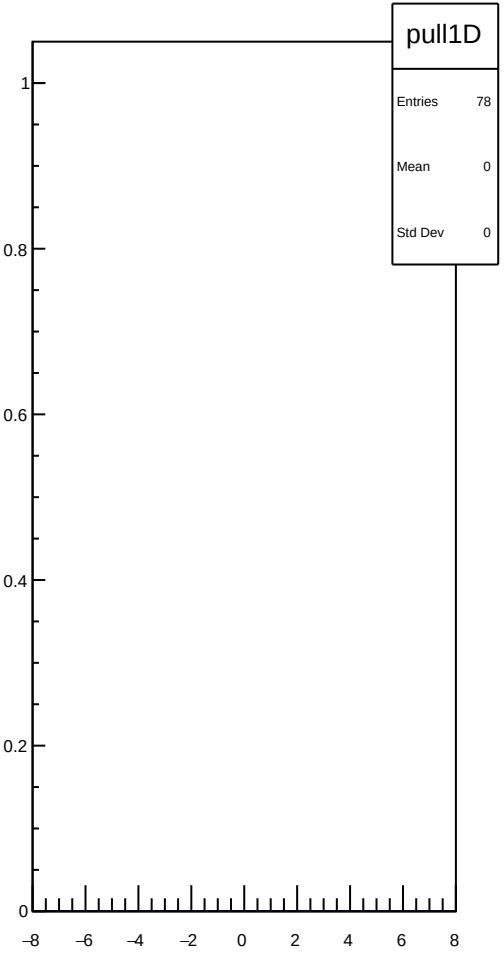




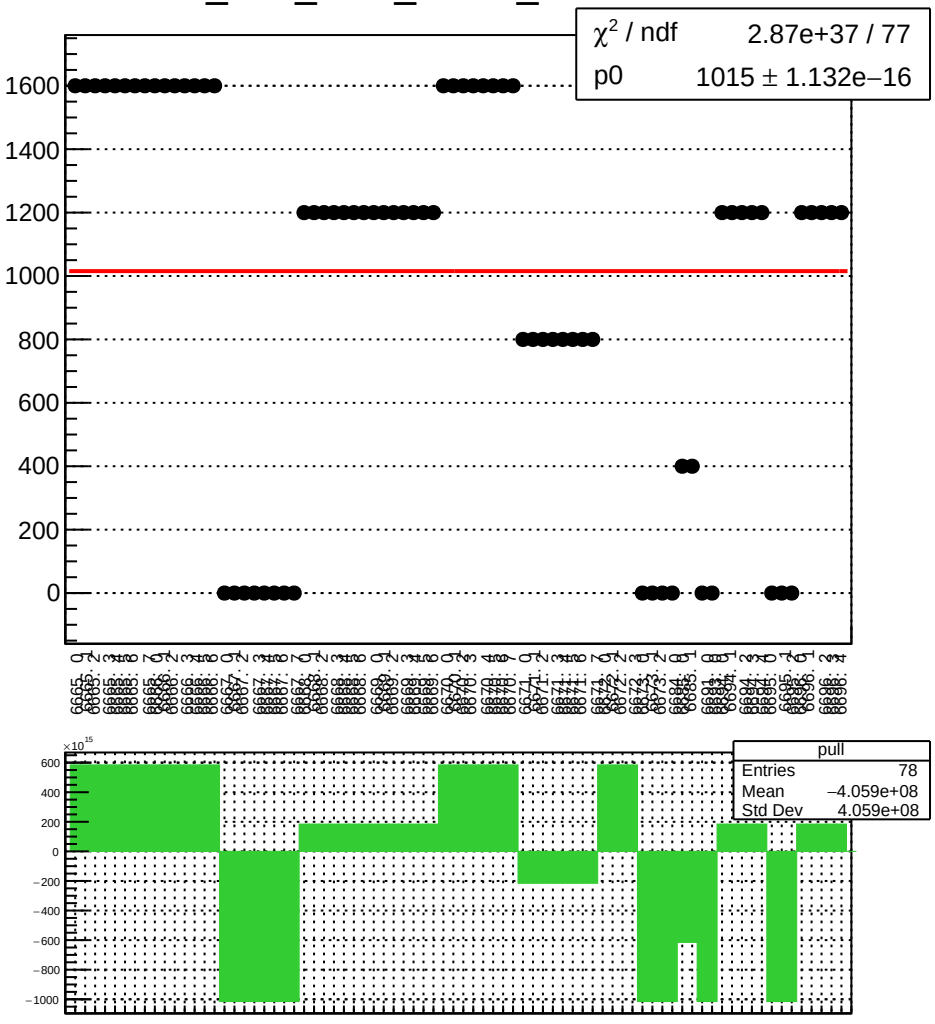

dit_4aY_coil4_mean vs run
χ^2 / ndf 4.414e+35 / 77
p0 142.5 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 3.164e+08
Std Dev 3.164e+08
50
0
−50
−100
−150
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

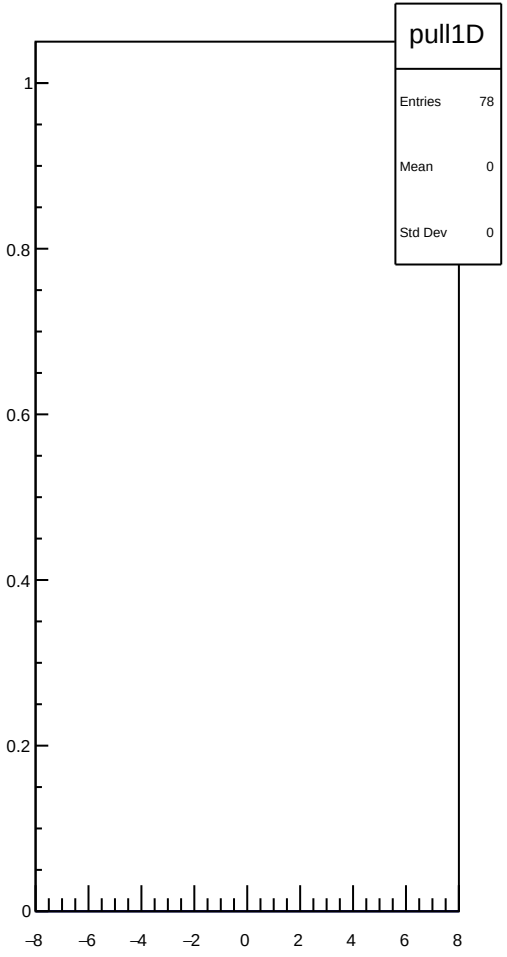
dit_4aY_coil4_err_mean vs run

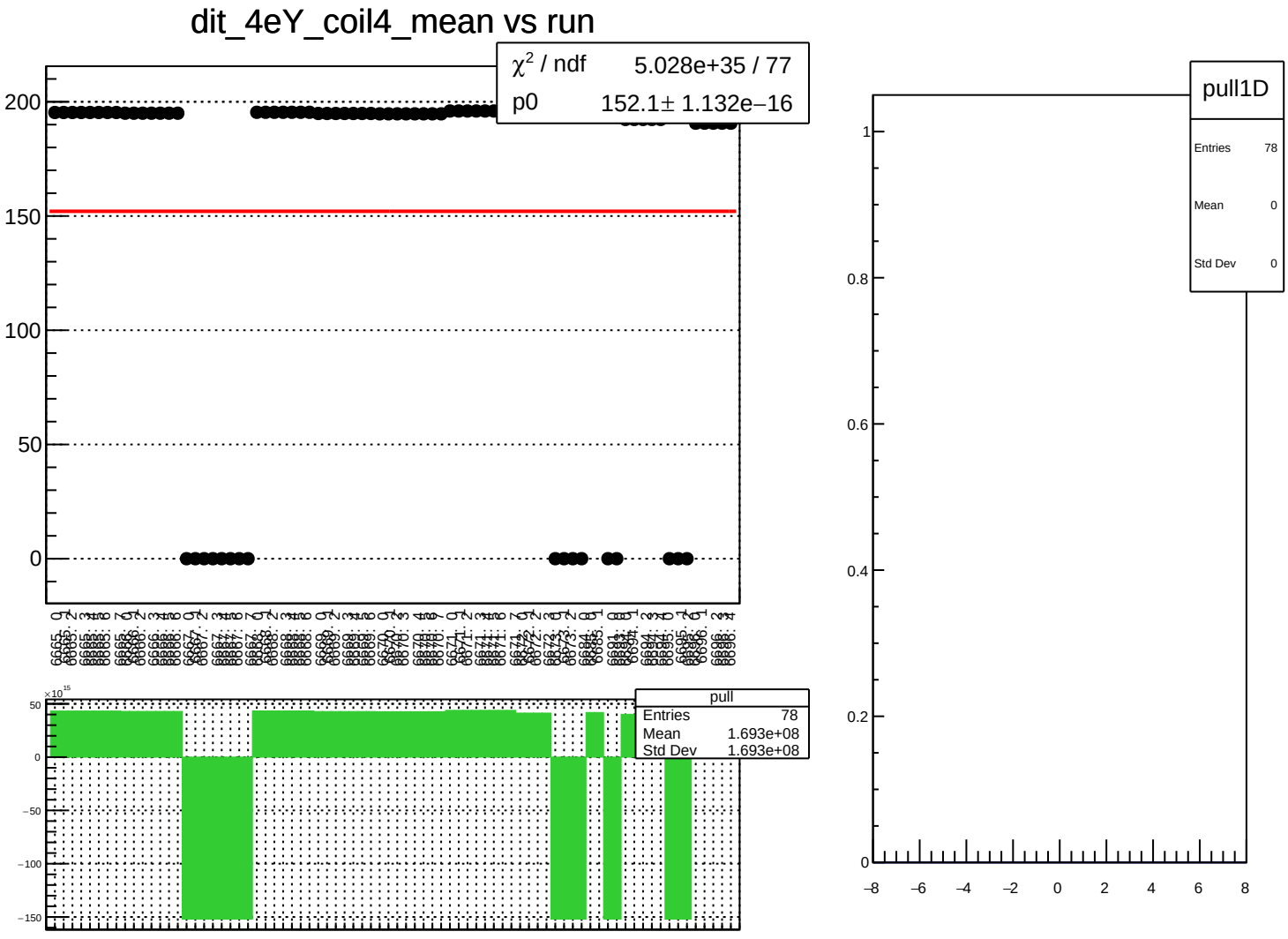




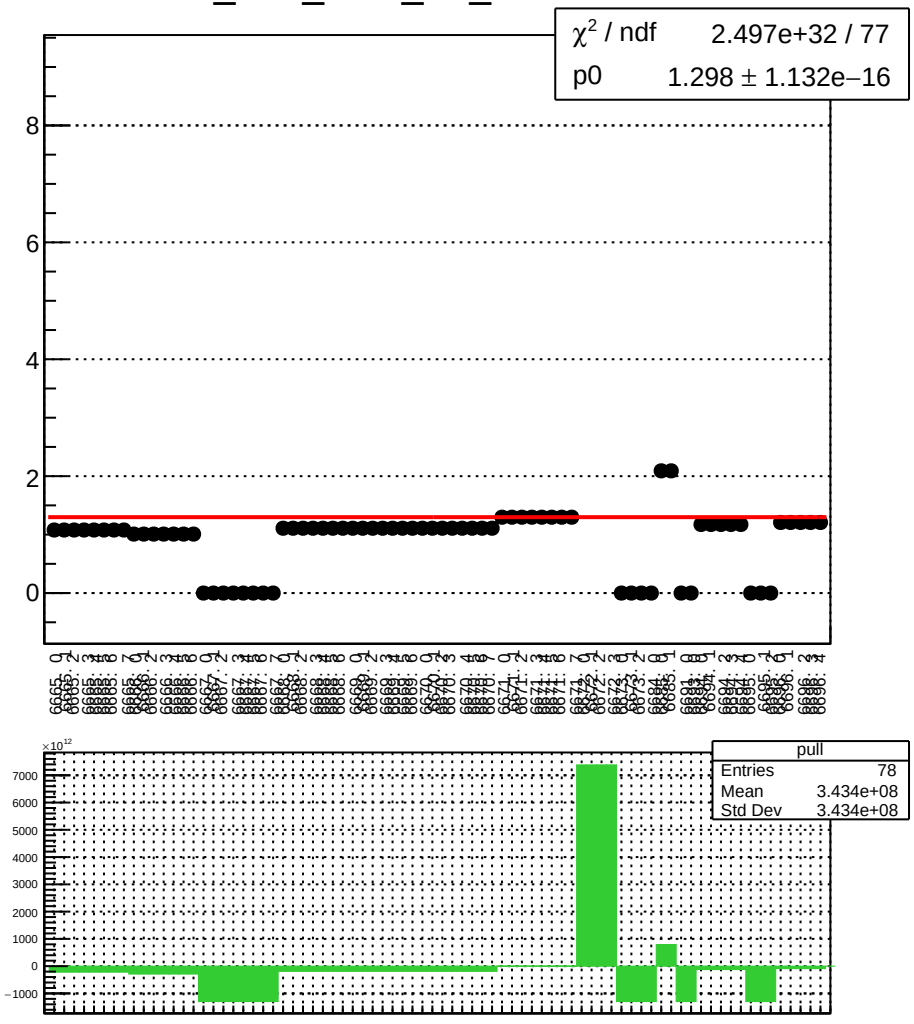
dit_4aY_coil4_Ndata_mean vs run

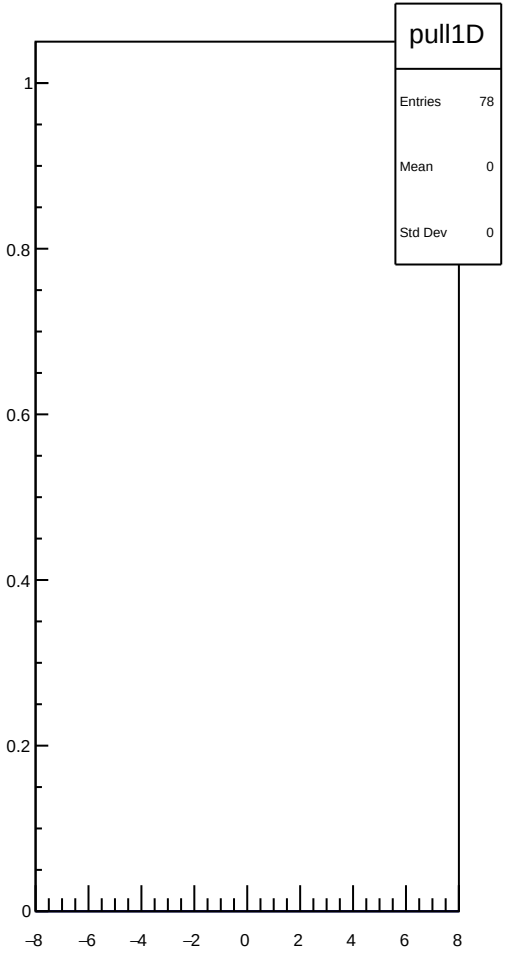




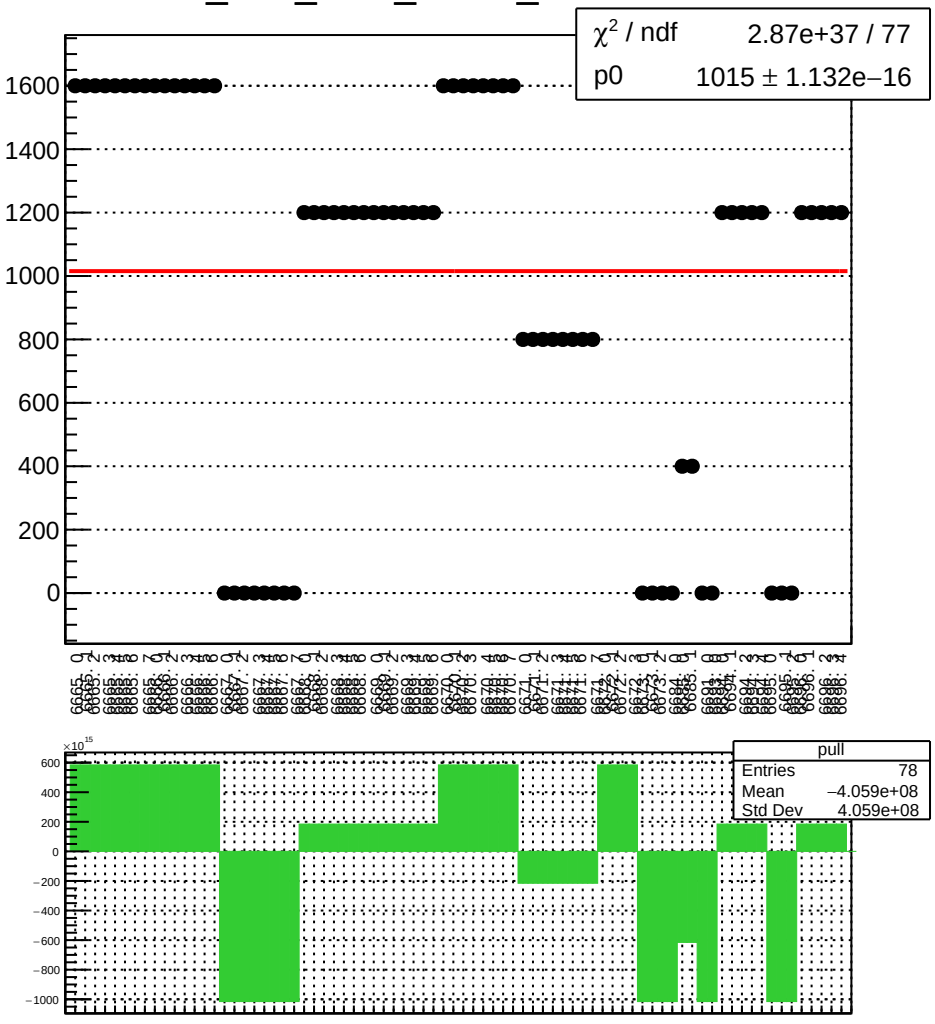

dit_4eY_coil4_mean vs run
χ^2 / ndf 5.028e+35 / 77
p0 152.1± 1.132e−16
pull
Entries 78
Mean 1.693e+08
Std Dev 1.693e+08
pull1D
Entries 78
Mean 0
Std Dev 0

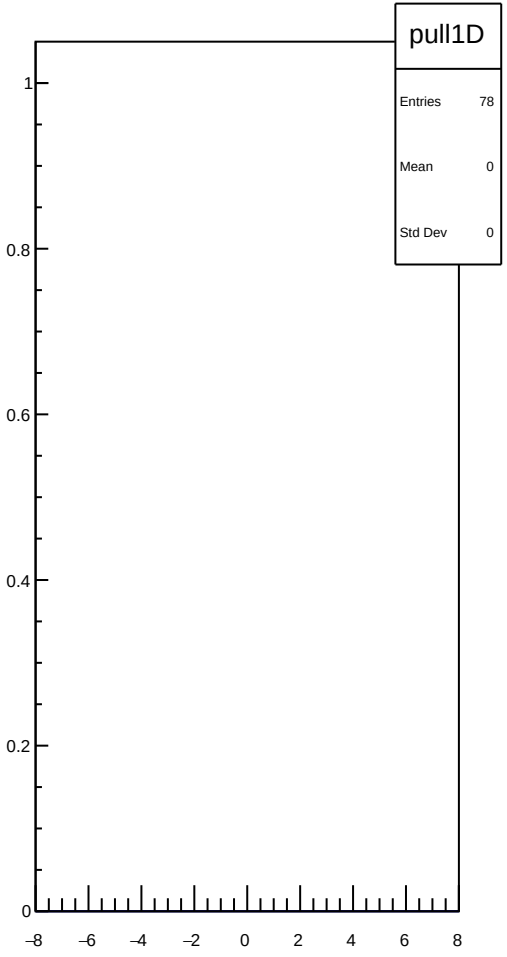
dit_4eY_coil4_err_mean vs run

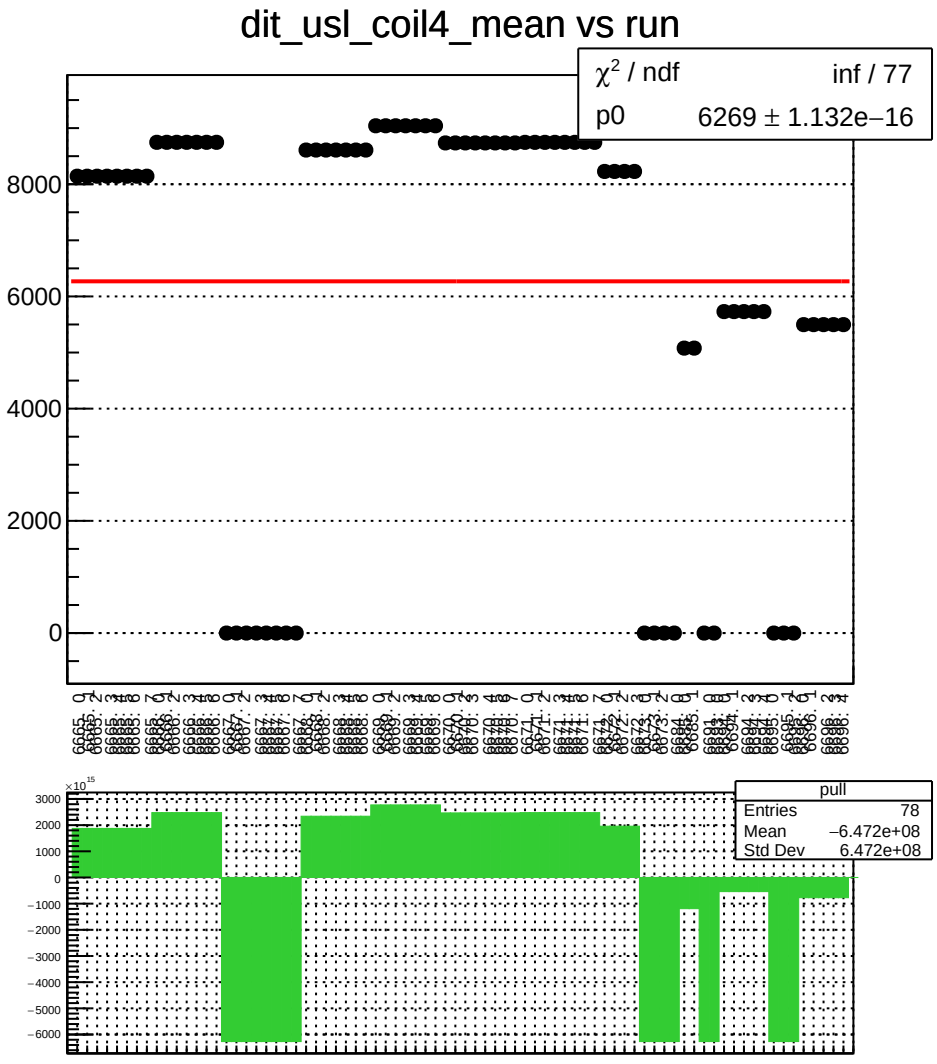


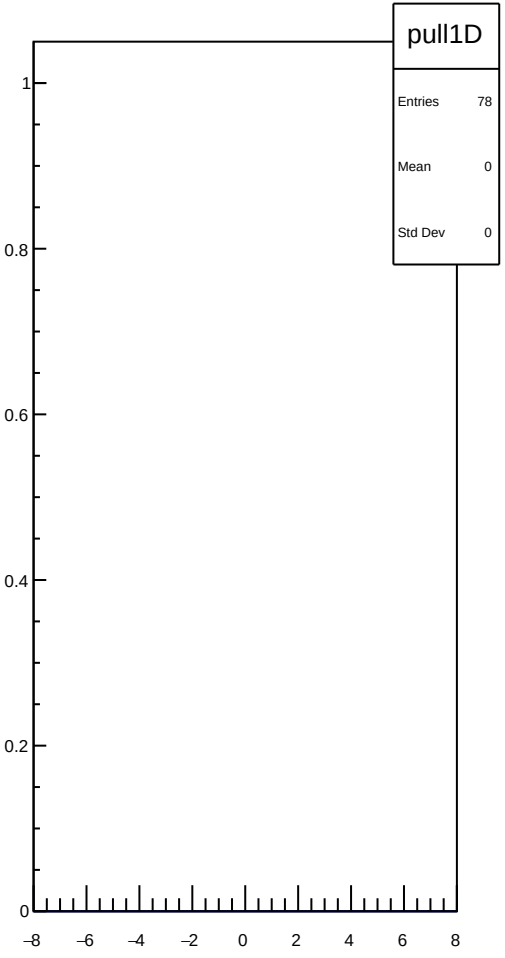


dit_4eY_coil4_Ndata_mean vs run

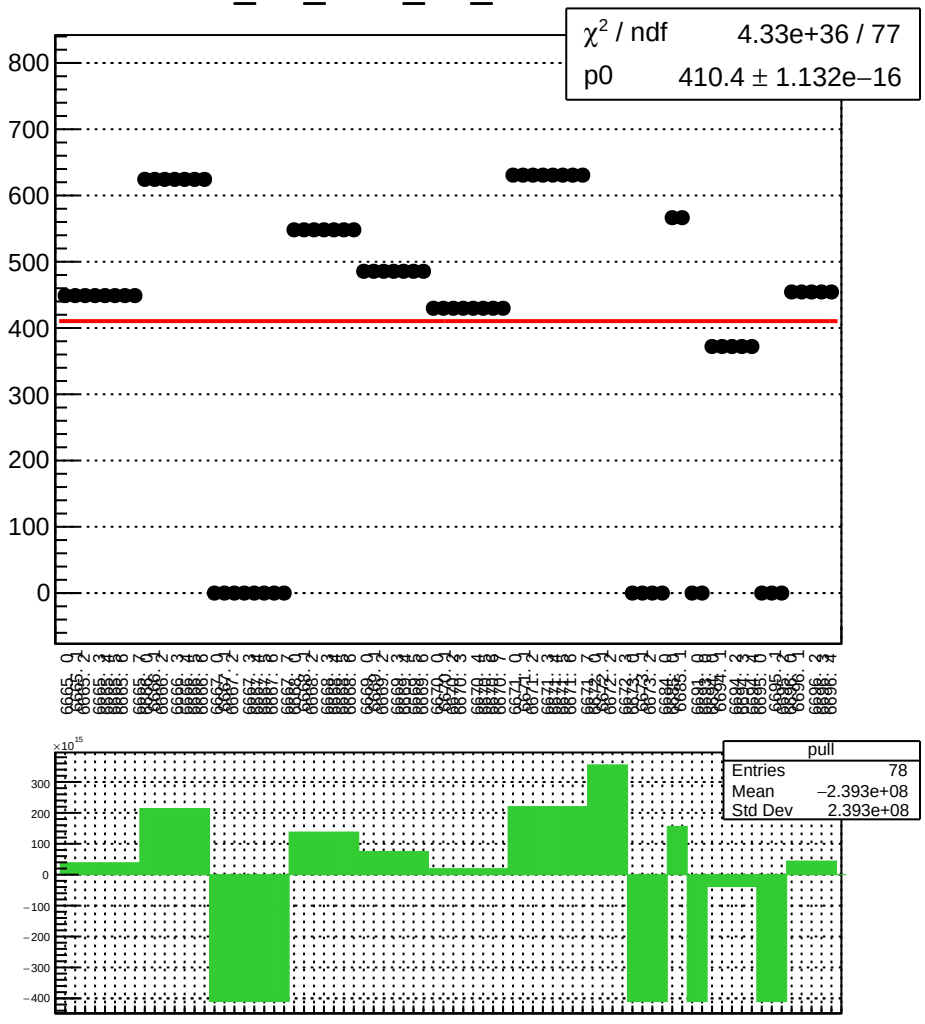


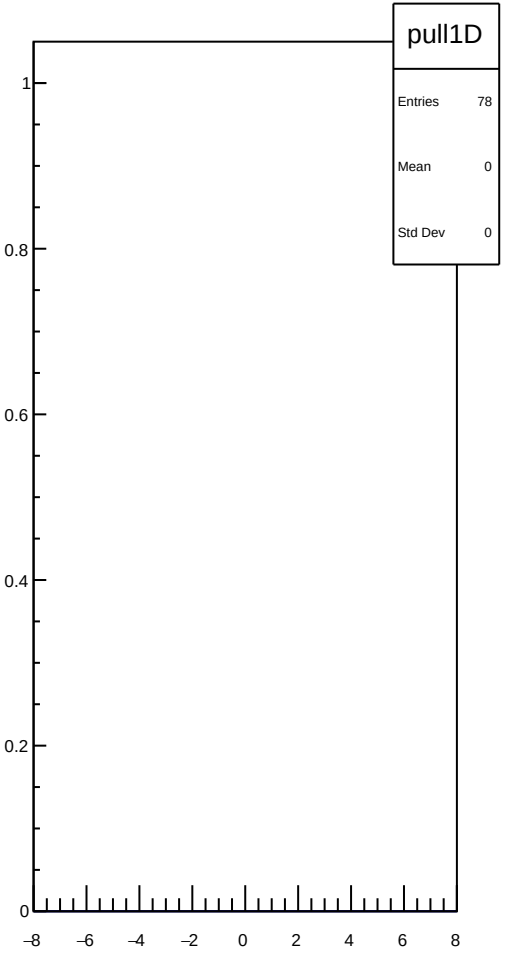


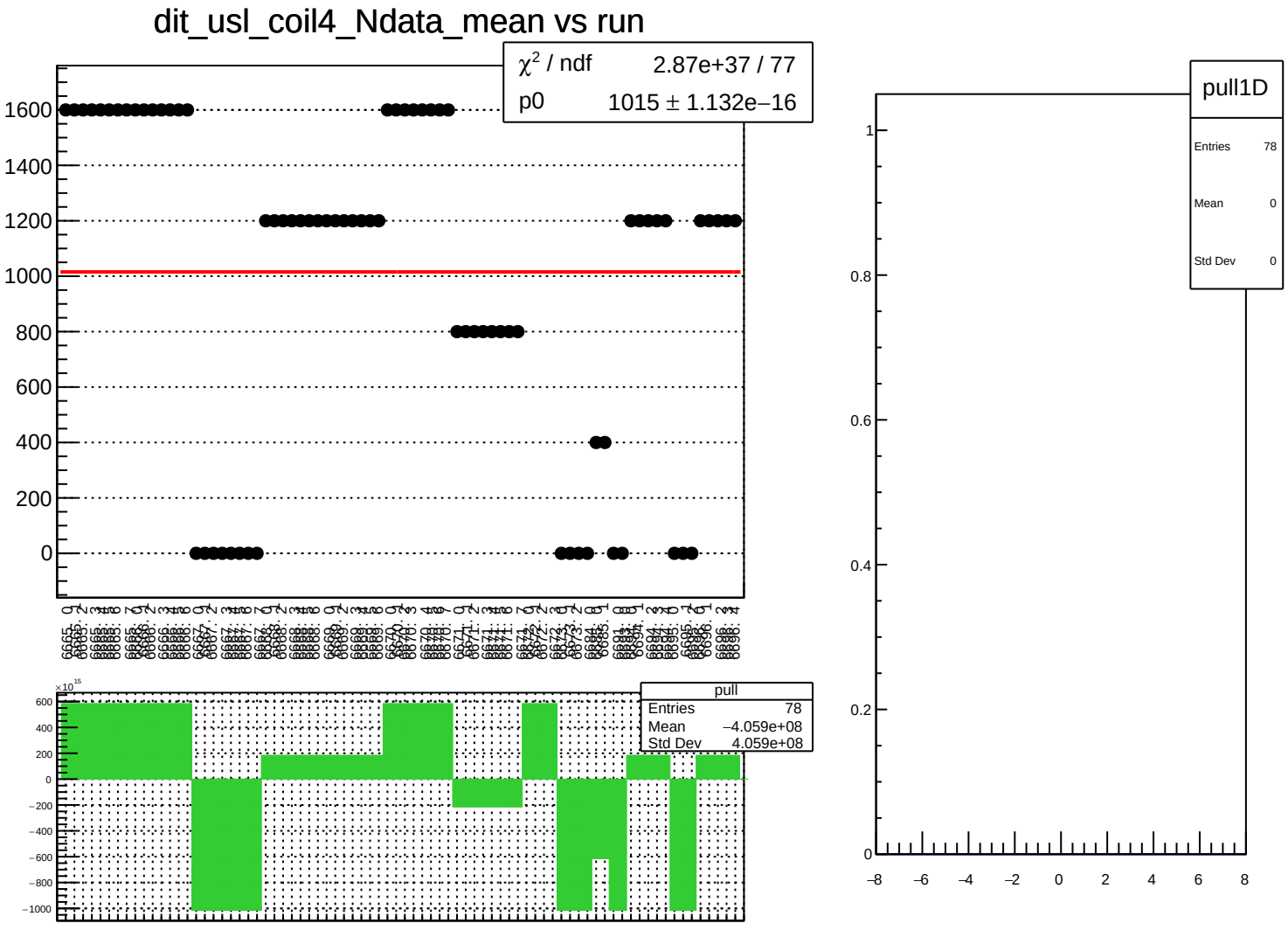

dit_usl_coil4_mean vs run
χ^2 / ndf inf / 77
p0 6269 ± 1.132e−16
8000
6000
4000
2000
0
pull
Entries 78
Mean −6.472e+08
Std Dev 6.472e+08
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

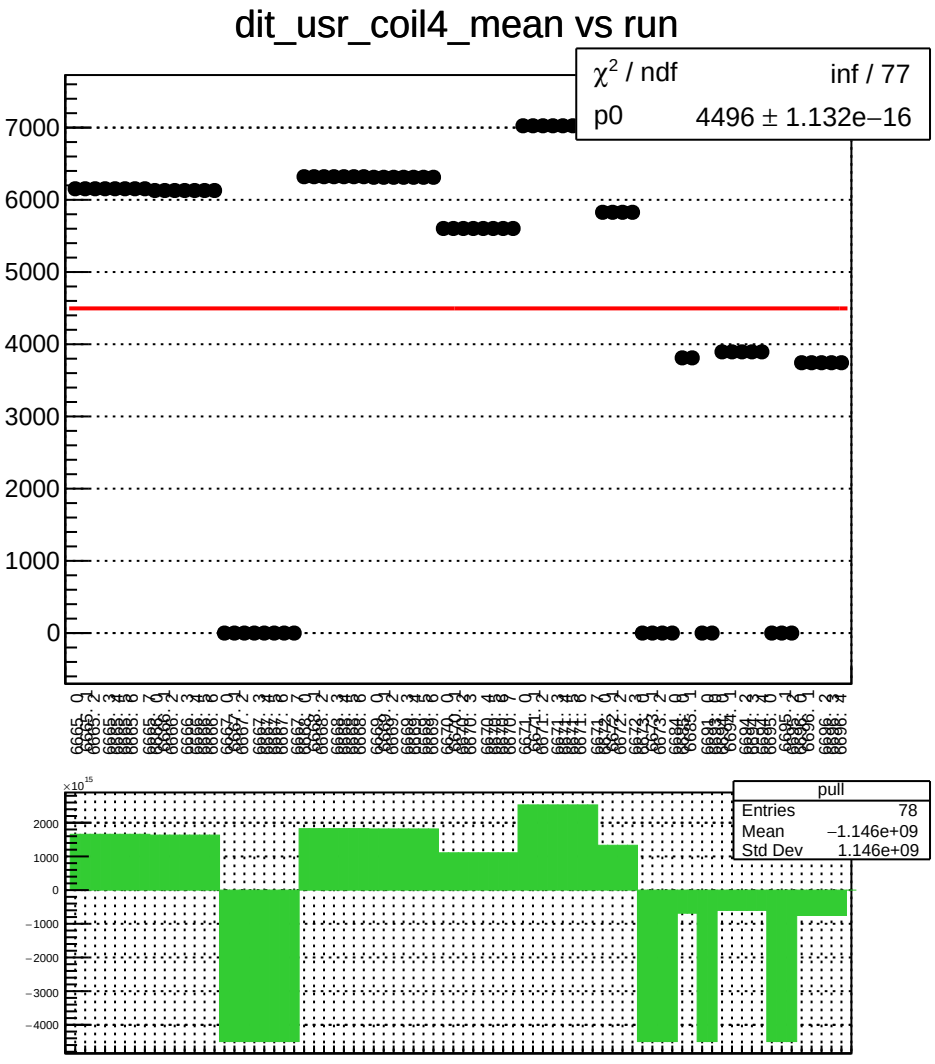

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

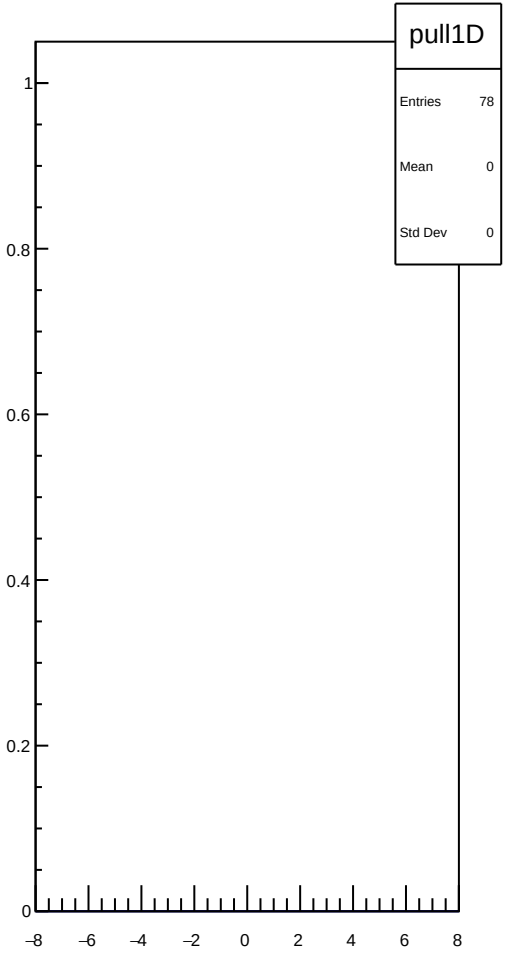
dit_usl_coil4_err_mean vs run

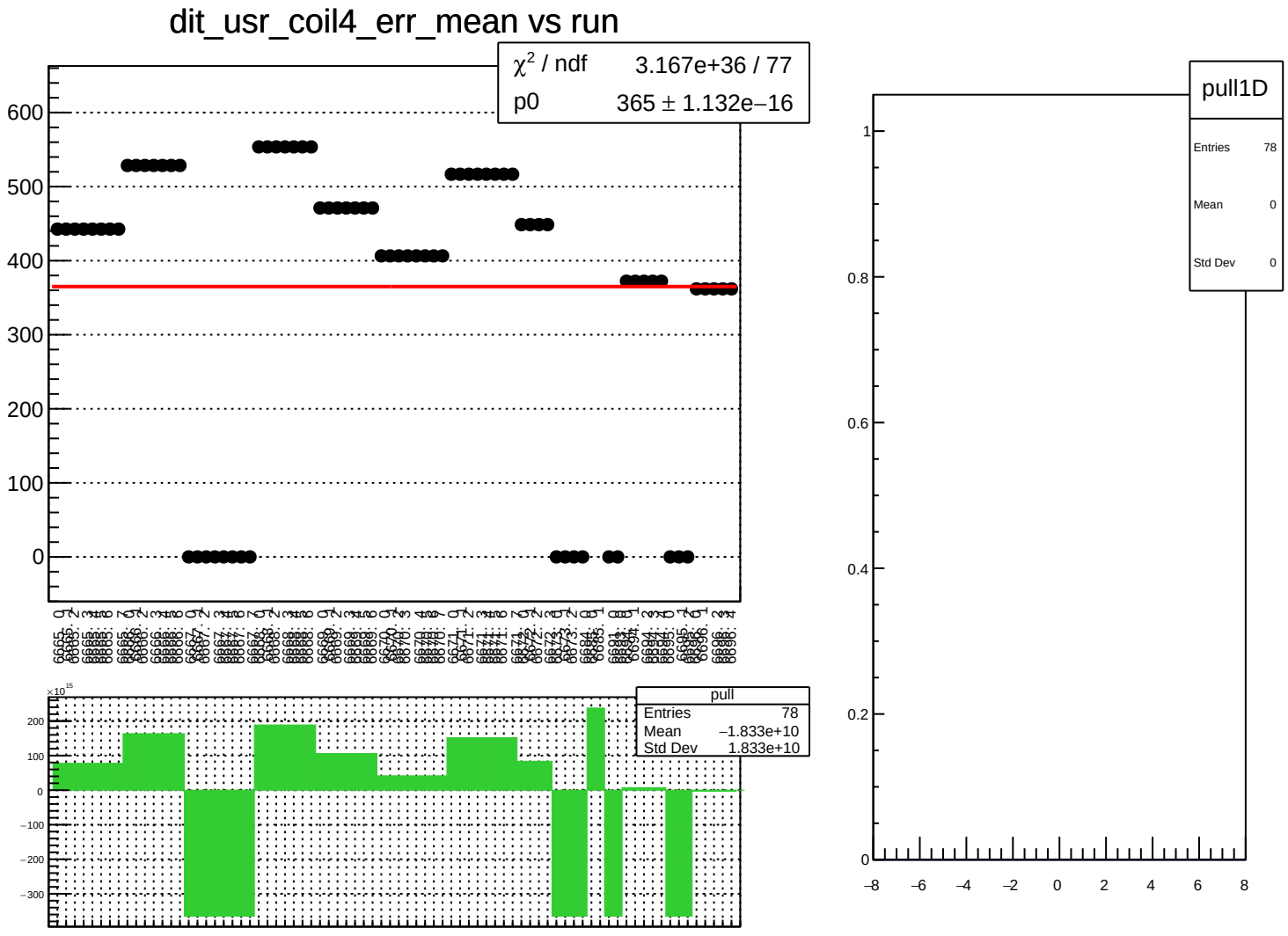


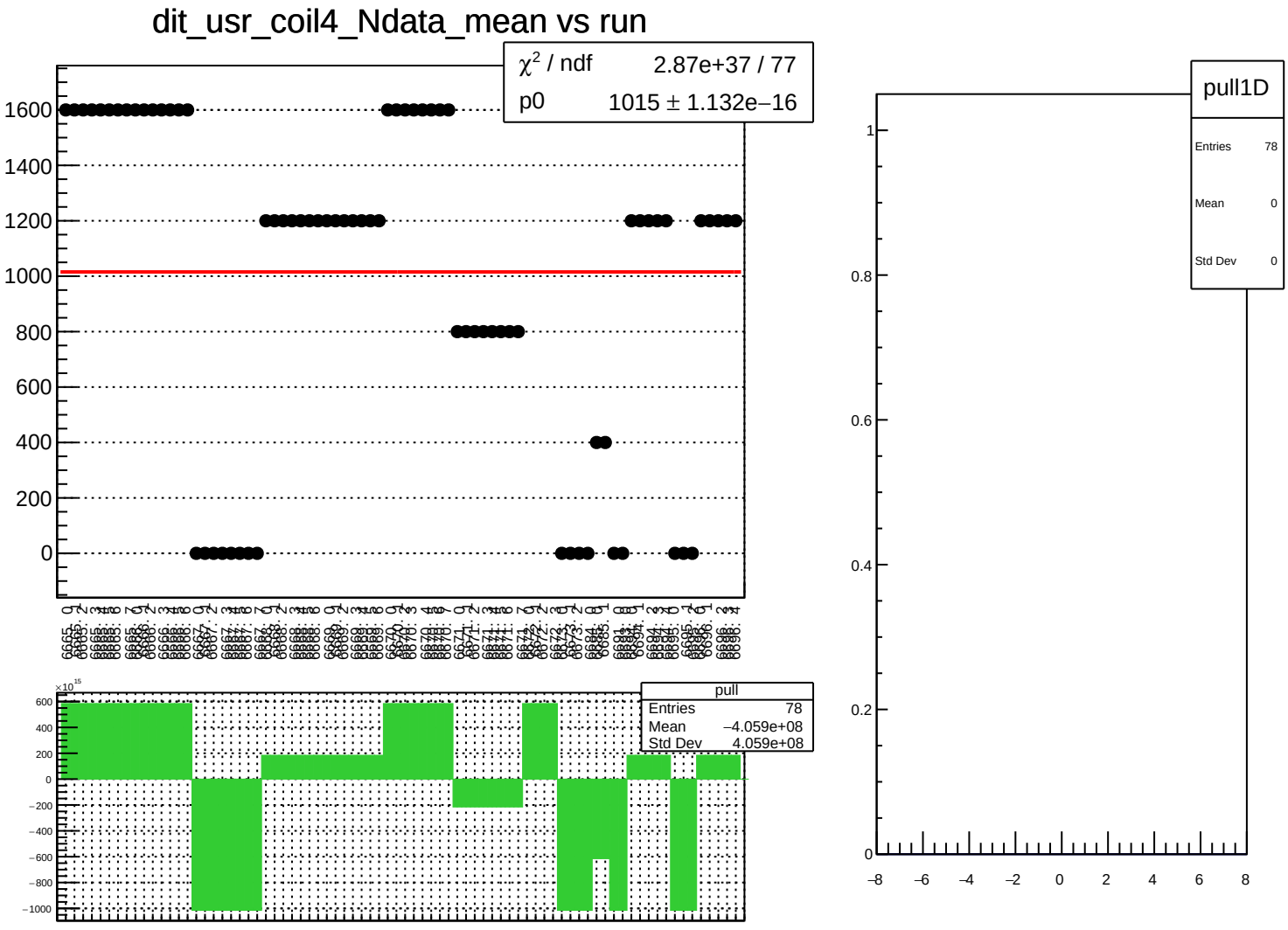


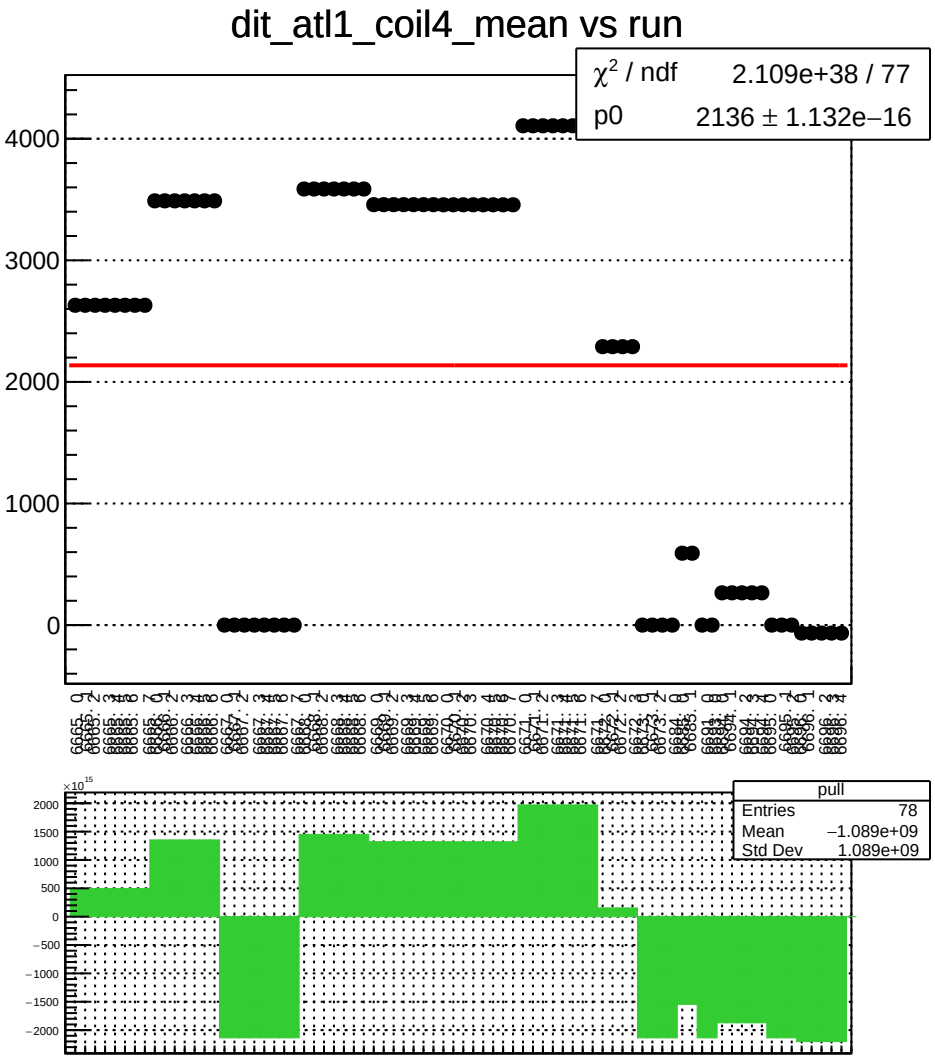

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

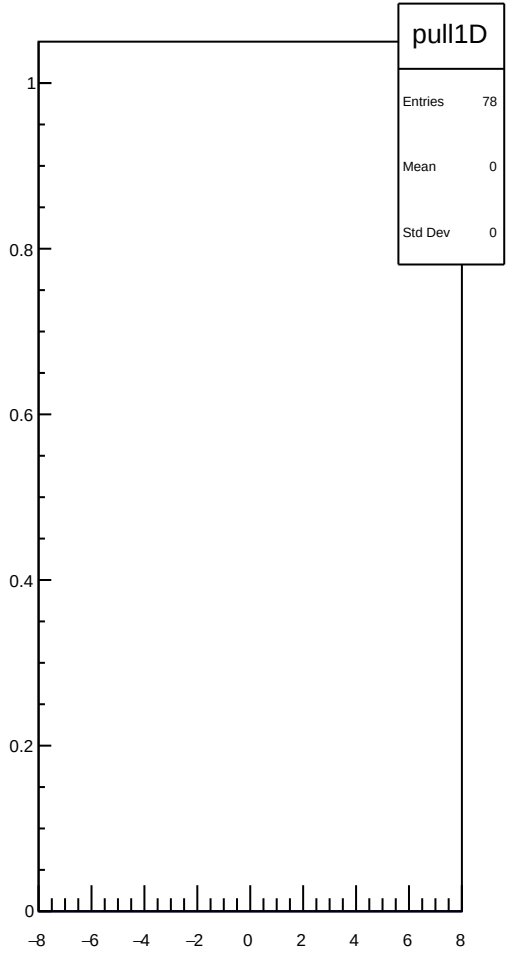

dit_usr_coil4_mean vs run
χ² / ndf inf / 77
p0 4496 ± 1.132e−16
pull
Entries 78
Mean −1.146e+09
Std Dev 1.146e+09

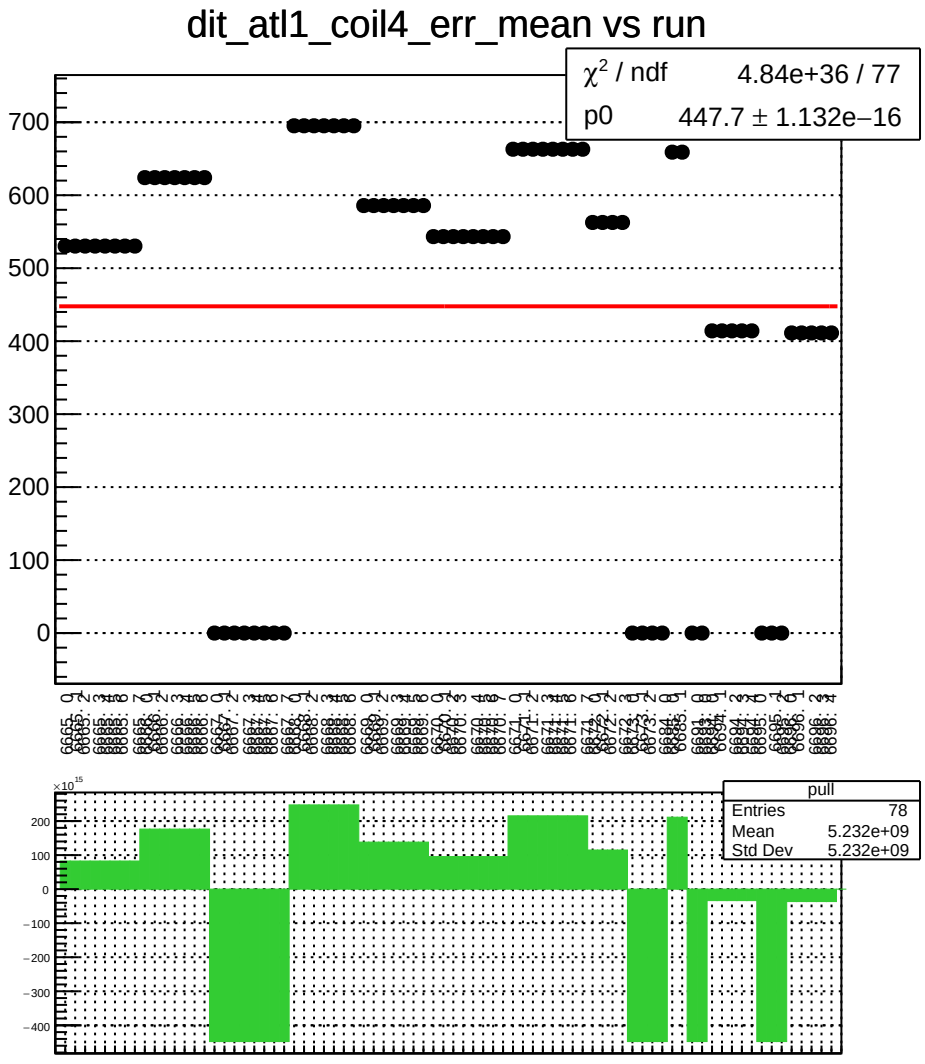

pull1D
Entries 78
Mean 0
Std Dev 0

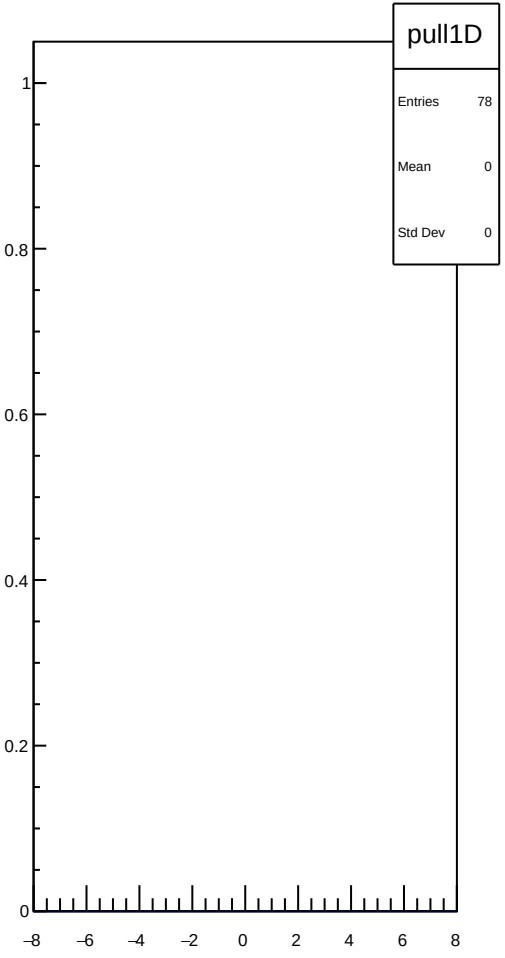

dit_usr_coil4_err_mean vs run
χ² / ndf 3.167e+36 / 77
p0 365 ± 1.132e−16
600
500
400
300
200
100
0
×10¹⁵
200
100
0
−100
−200
−300
pull
Entries 78
Mean −1.833e+10
Std Dev 1.833e+10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

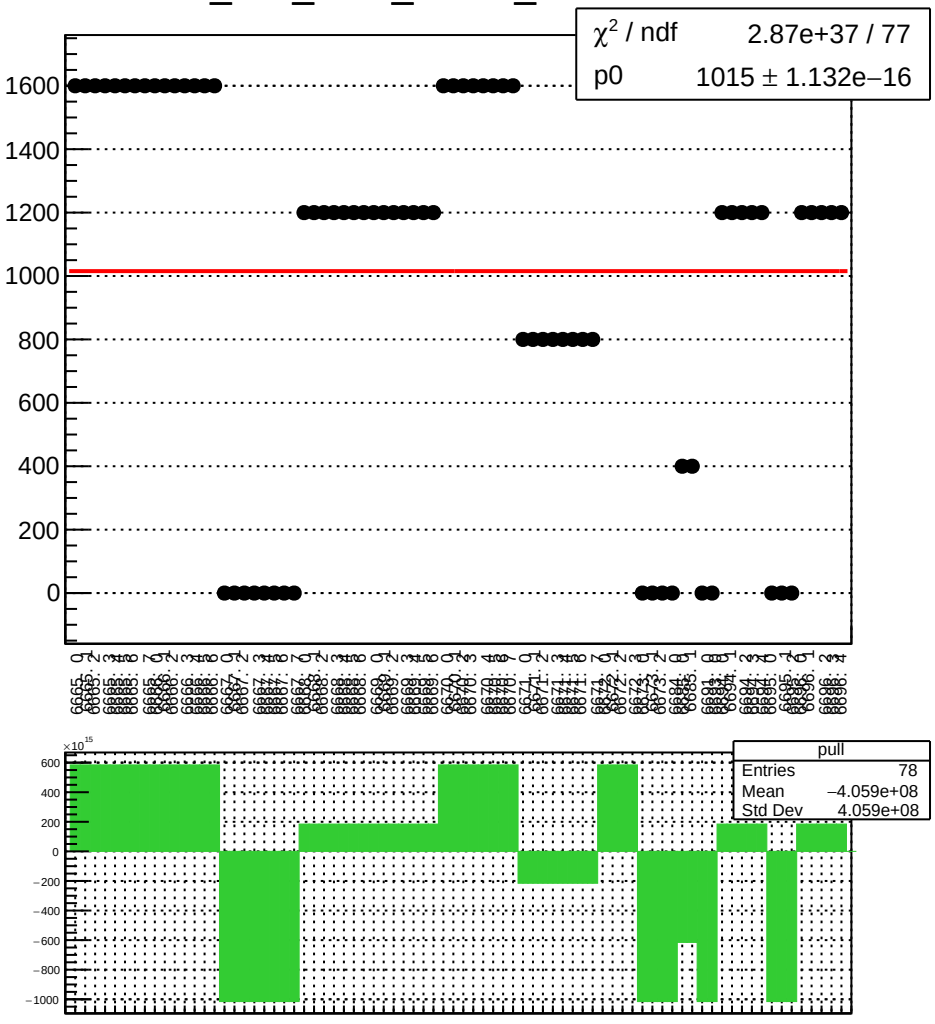

dit_atl1_coil4_mean vs run
χ^2 / ndf 2.109e+38 / 77
p0 2136 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.089e+09
Std Dev 1.089e+09
2000
1500
1000
500
0
−500
−1000
−1500
−2000

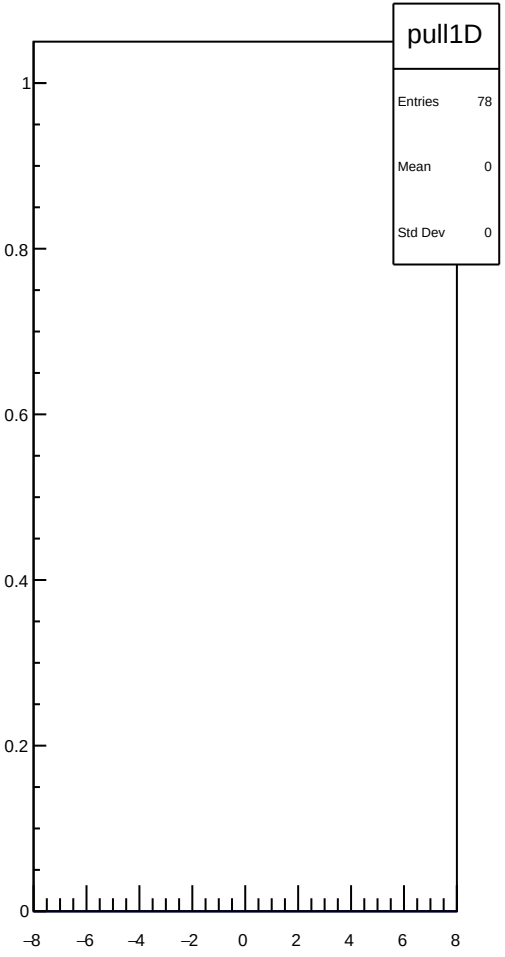

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

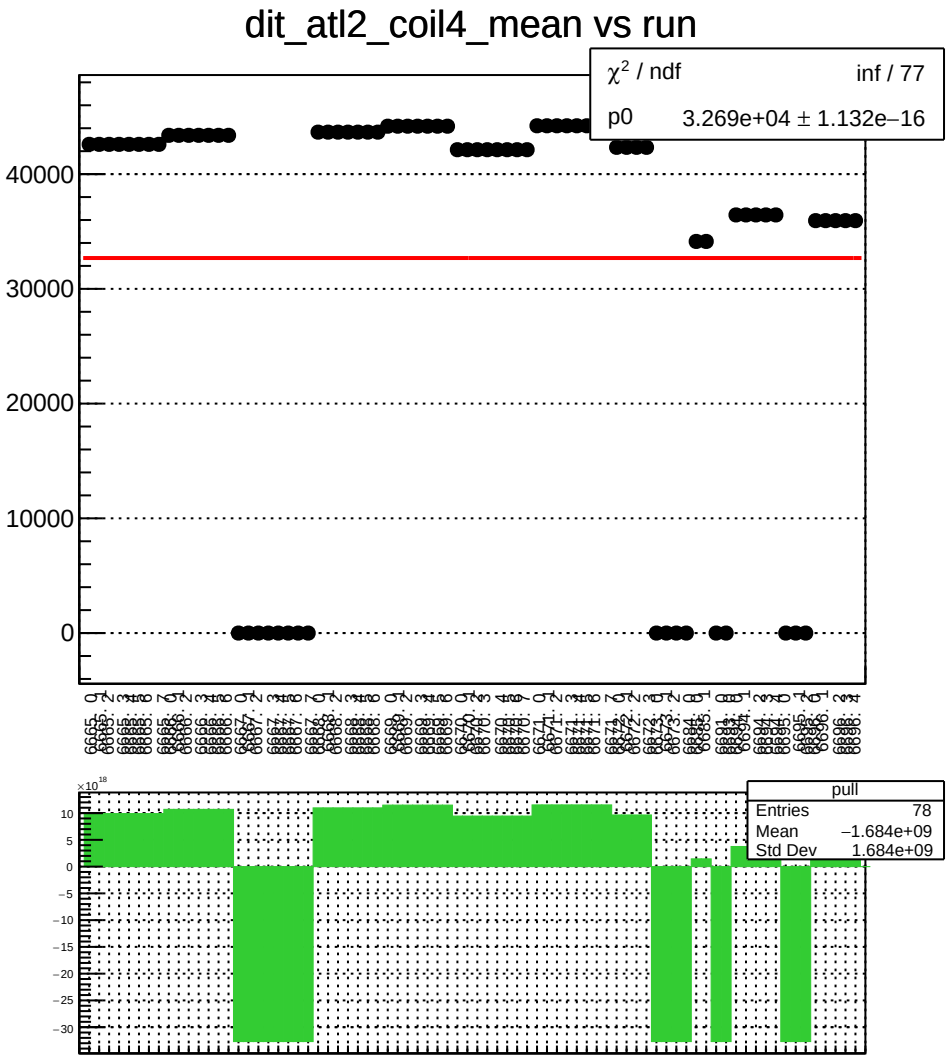

dit_atl1_coil4_err_mean vs run
χ² / ndf 4.84e+36 / 77
p0 447.7 ± 1.132e−16
pull
Entries 78
Mean 5.232e+09
Std Dev 5.232e+09

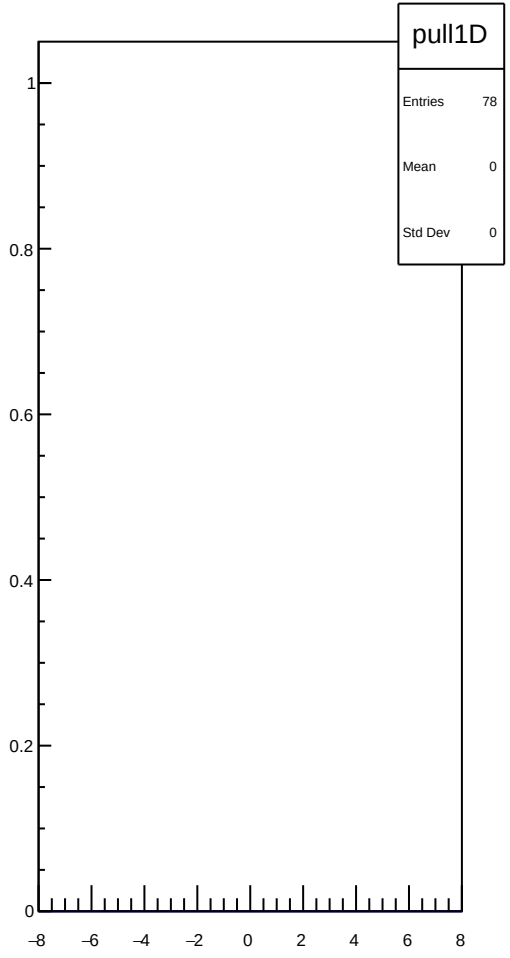

pull1D
Entries 78
Mean 0
Std Dev 0

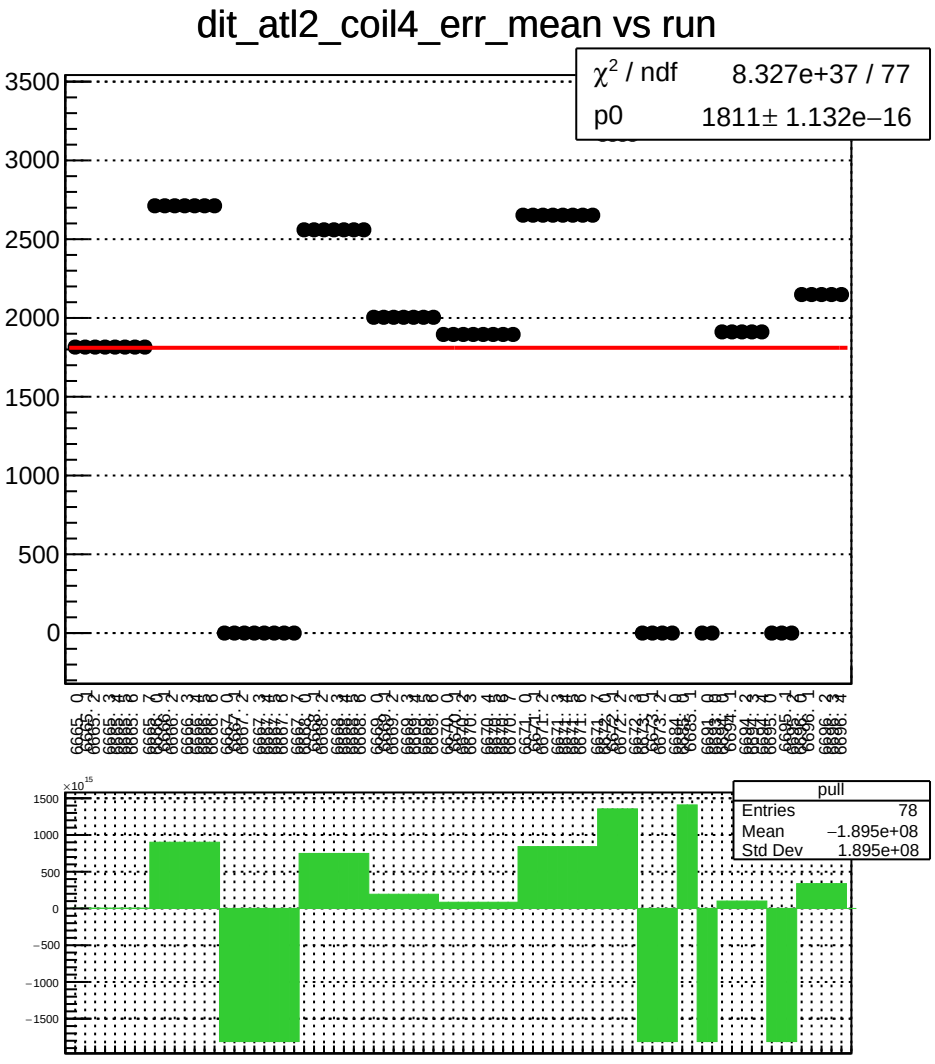
dit_atl1_coil4_Ndata_mean vs run

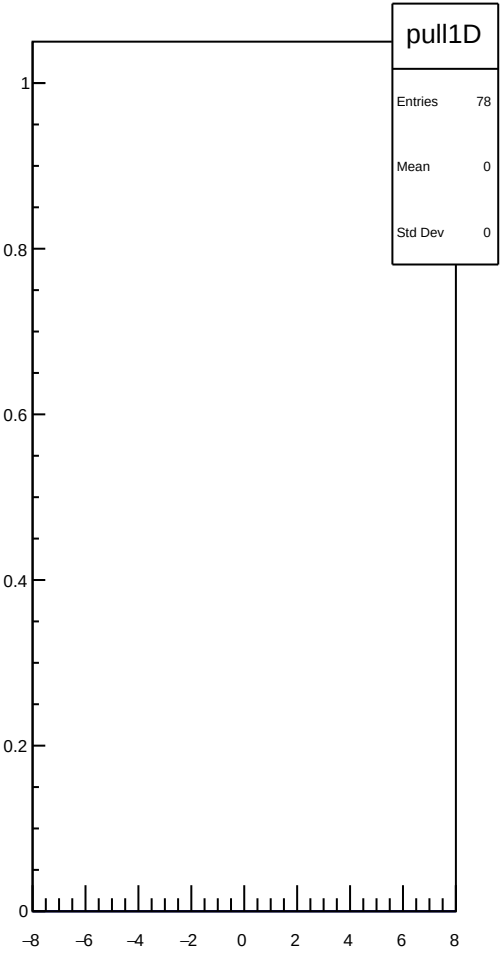




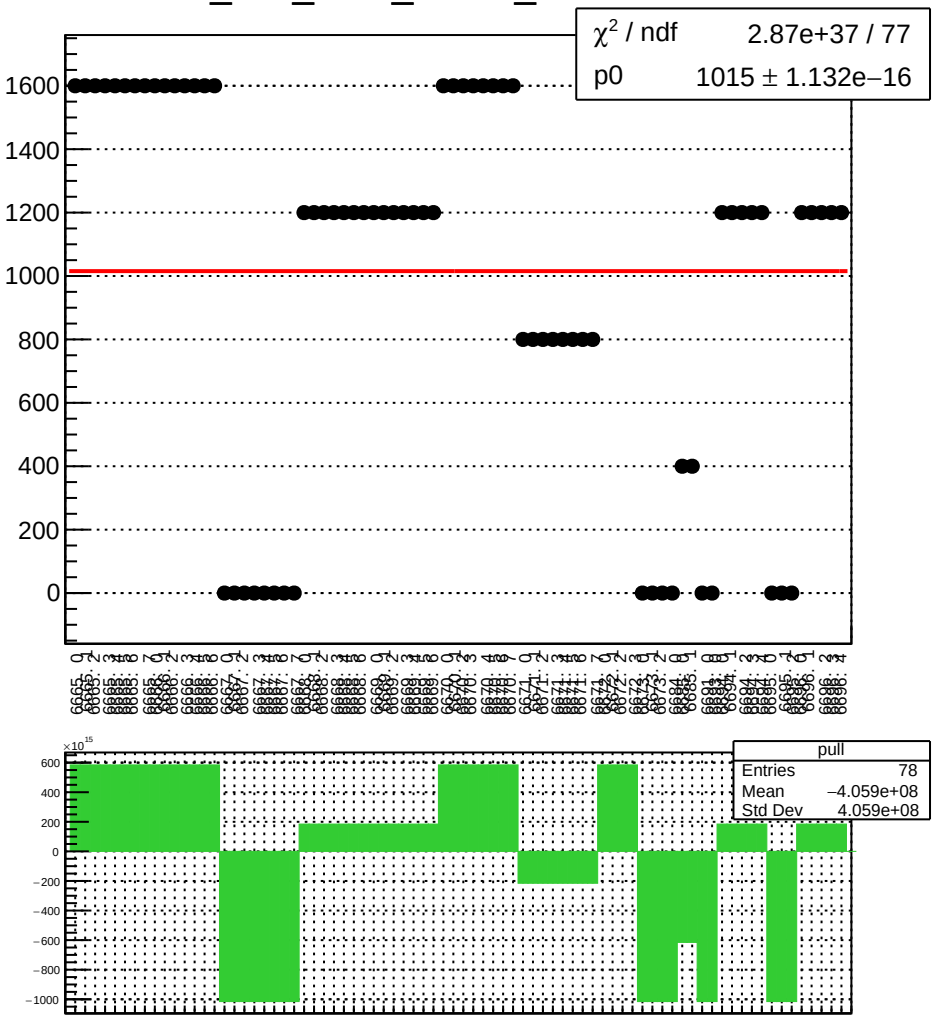

dit_atl2_coil4_mean vs run
χ² / ndf inf / 77
p0 3.269e+04 ± 1.132e−16
40000
30000
20000
10000
0
pull
Entries 78
Mean −1.684e+09
Std Dev 1.684e+09
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
−30

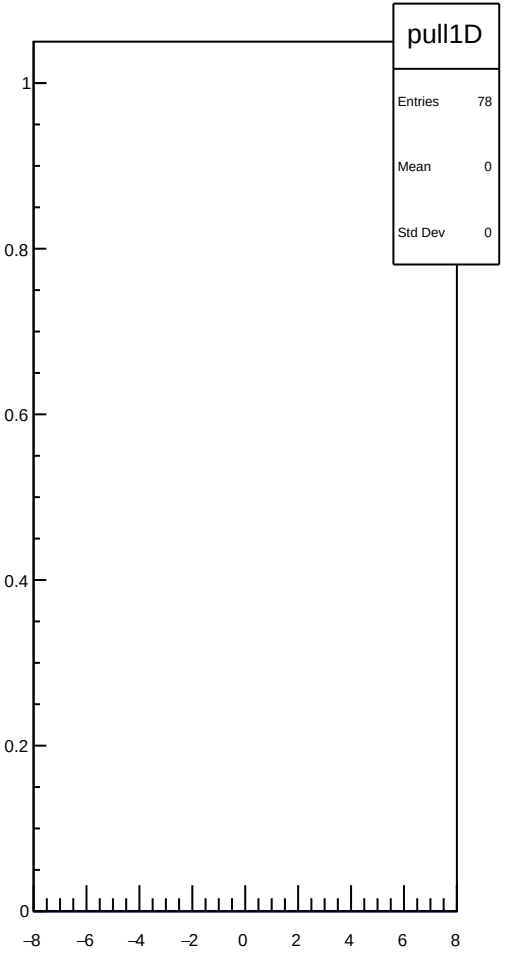

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

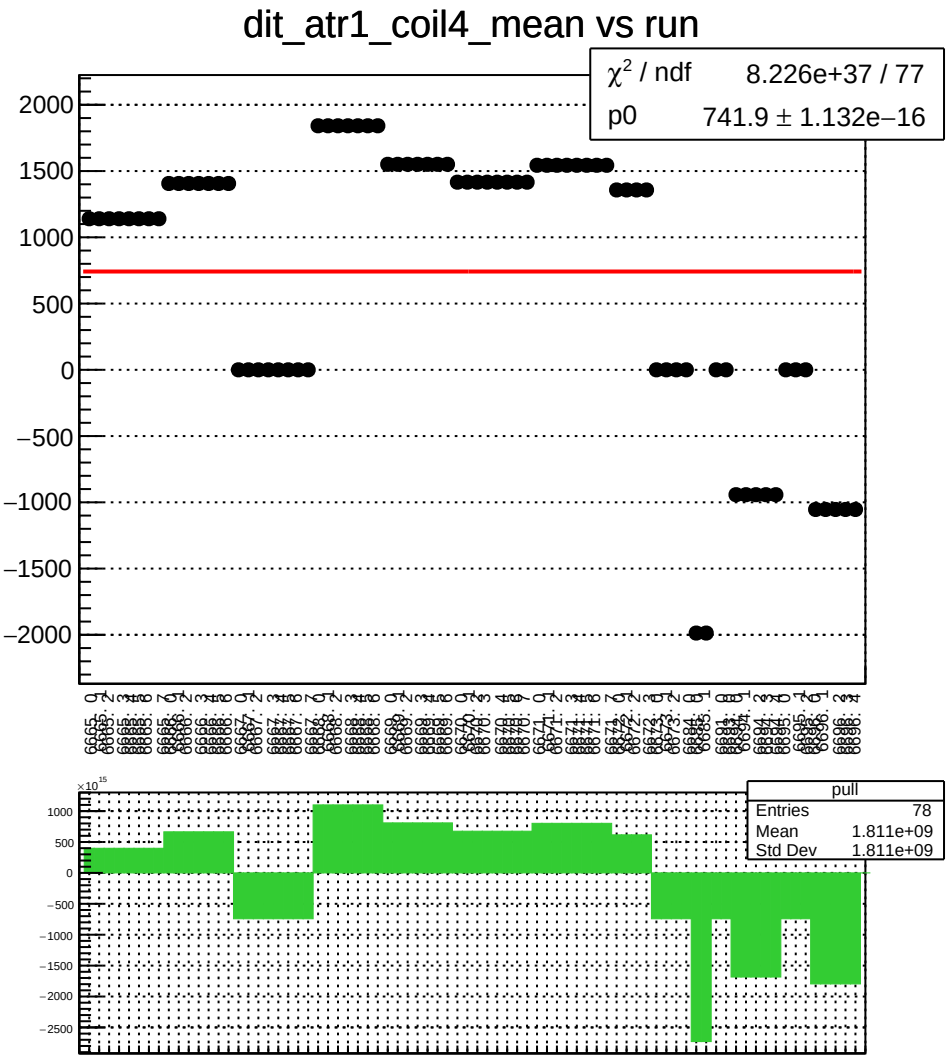

dit_atl2_coil4_err_mean vs run
χ² / ndf 8.327e+37 / 77
p0 1811± 1.132e−16
pull
Entries 78
Mean −1.895e+08
Std Dev 1.895e+08

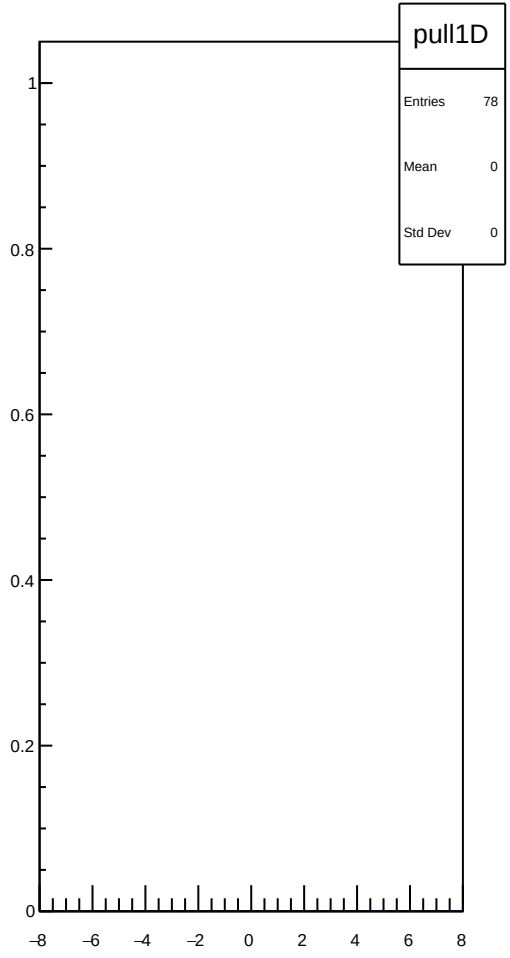

pull1D
Entries 78
Mean 0
Std Dev 0

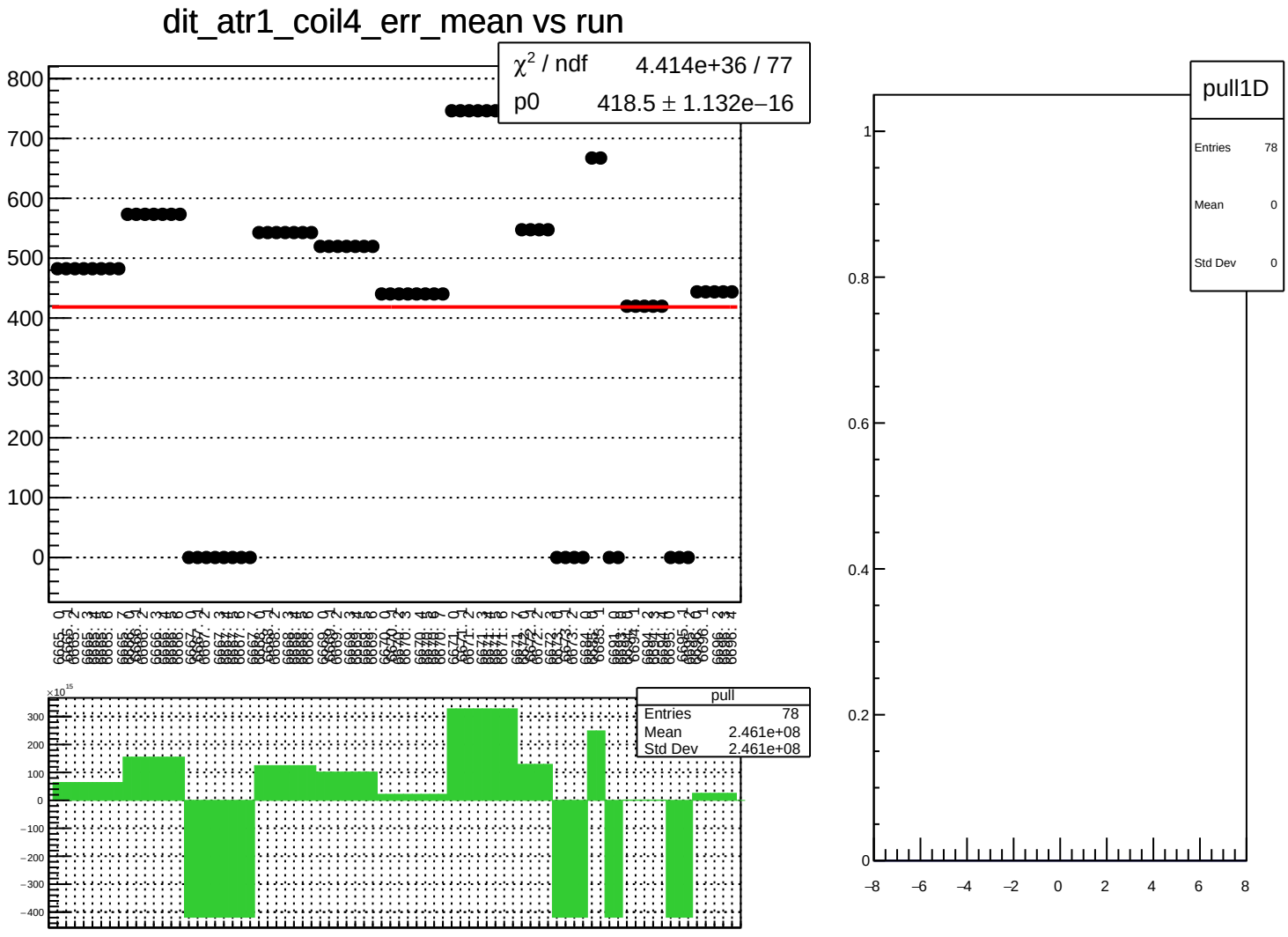
dit_atl2_coil4_Ndata_mean vs run



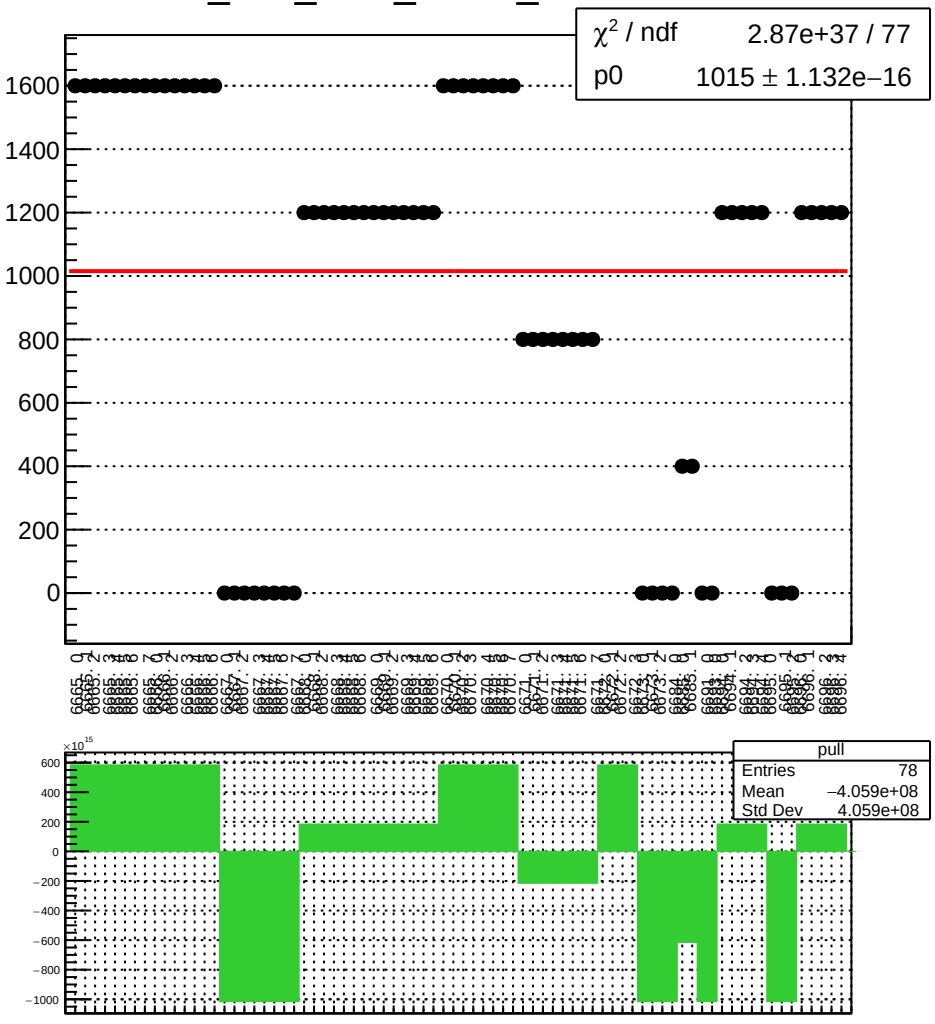


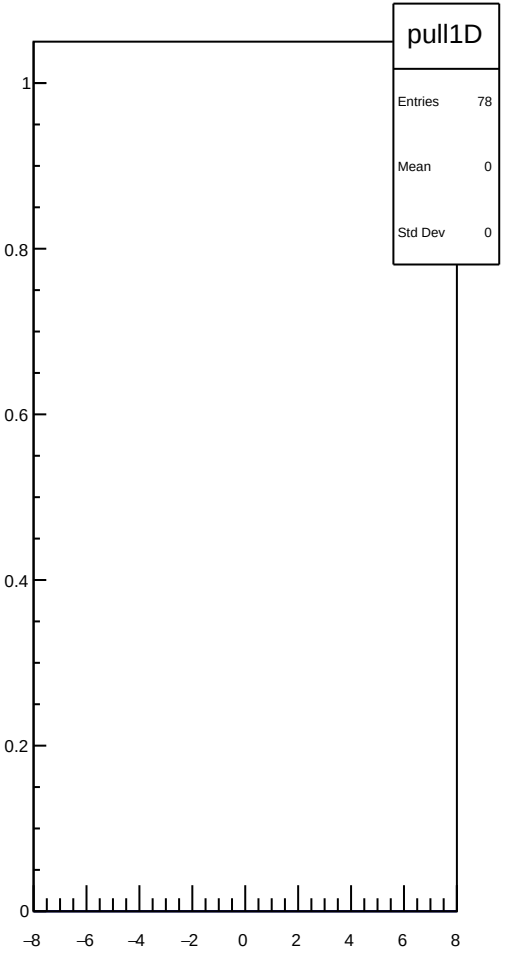

dit_atr1_coil4_mean vs run
χ² / ndf 8.226e+37 / 77
p0 741.9 ± 1.132e−16
pull
Entries 78
Mean 1.811e+09
Std Dev 1.811e+09

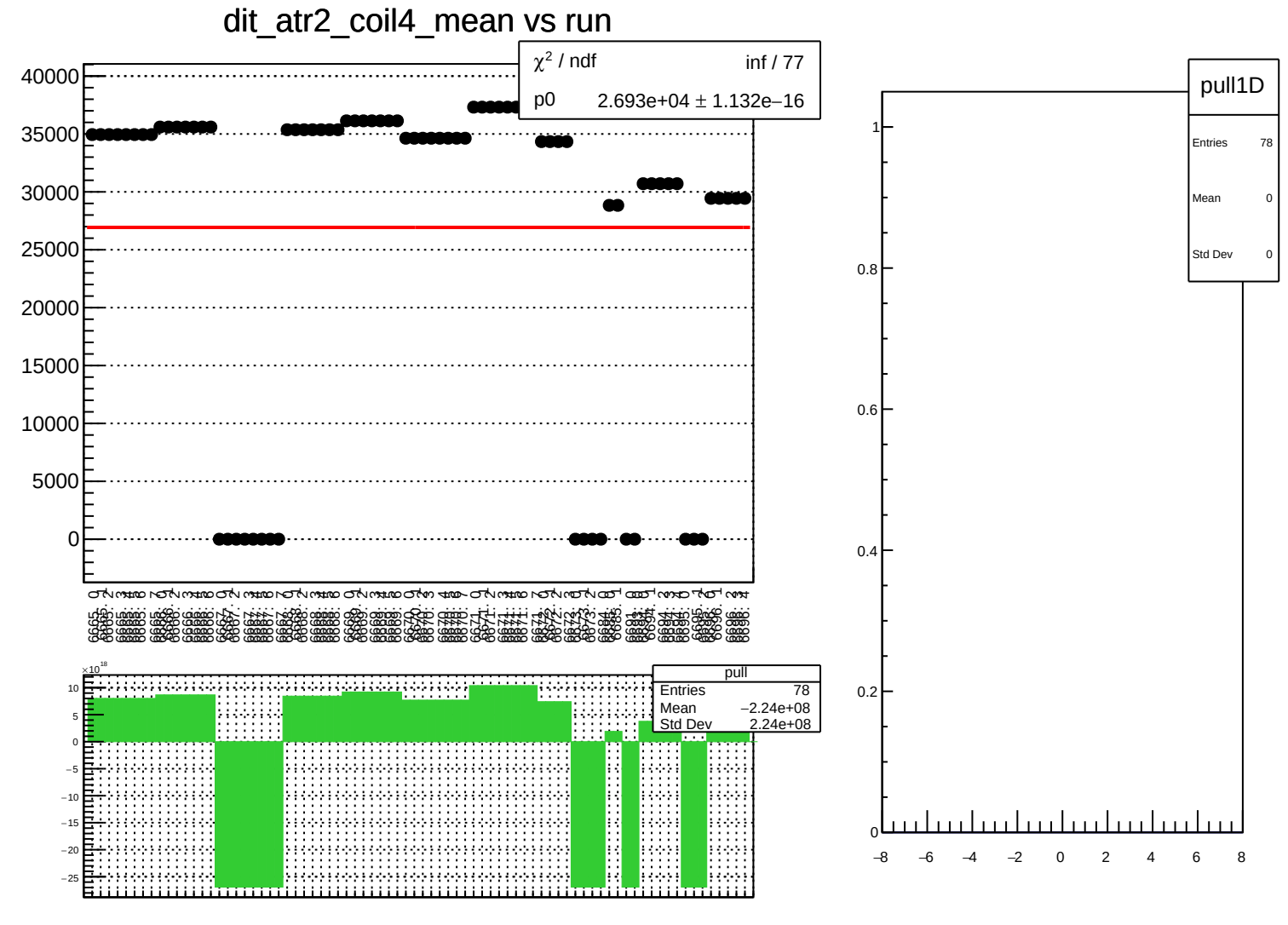

pull1D
Entries 78
Mean 0
Std Dev 0

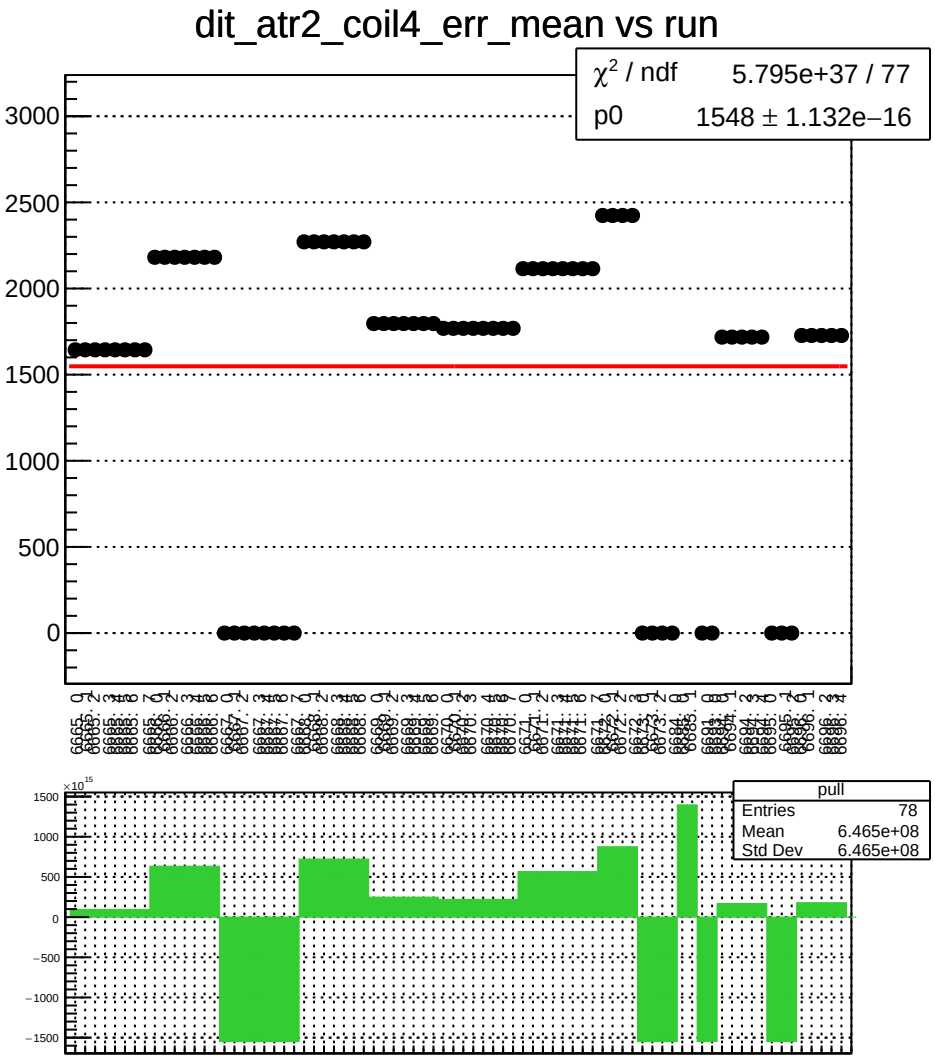

dit_atr1_coil4_err_mean vs run
χ² / ndf 4.414e+36 / 77
p0 418.5 ± 1.132e−16
pull
Entries 78
Mean 2.461e+08
Std Dev 2.461e+08
pull1D
Entries 78
Mean 0
Std Dev 0

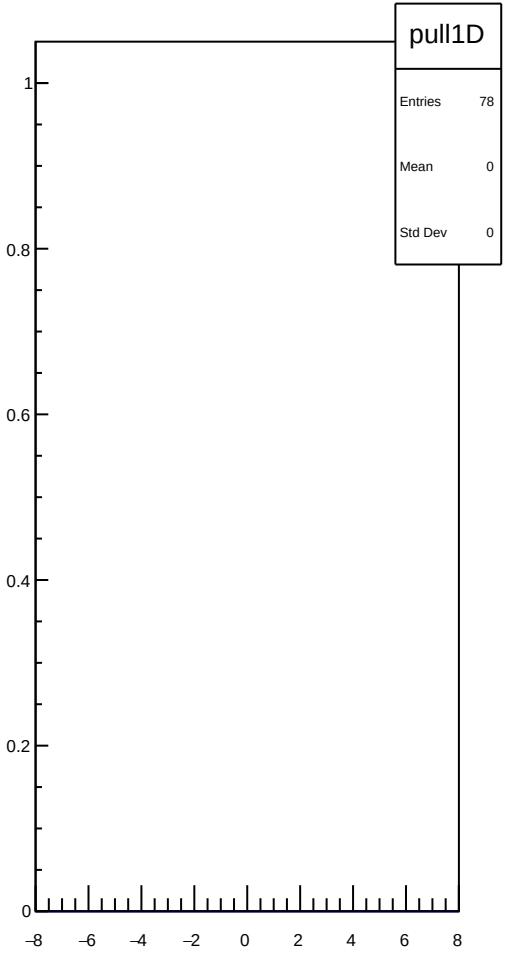
dit_atr1_coil4_Ndata_mean vs run

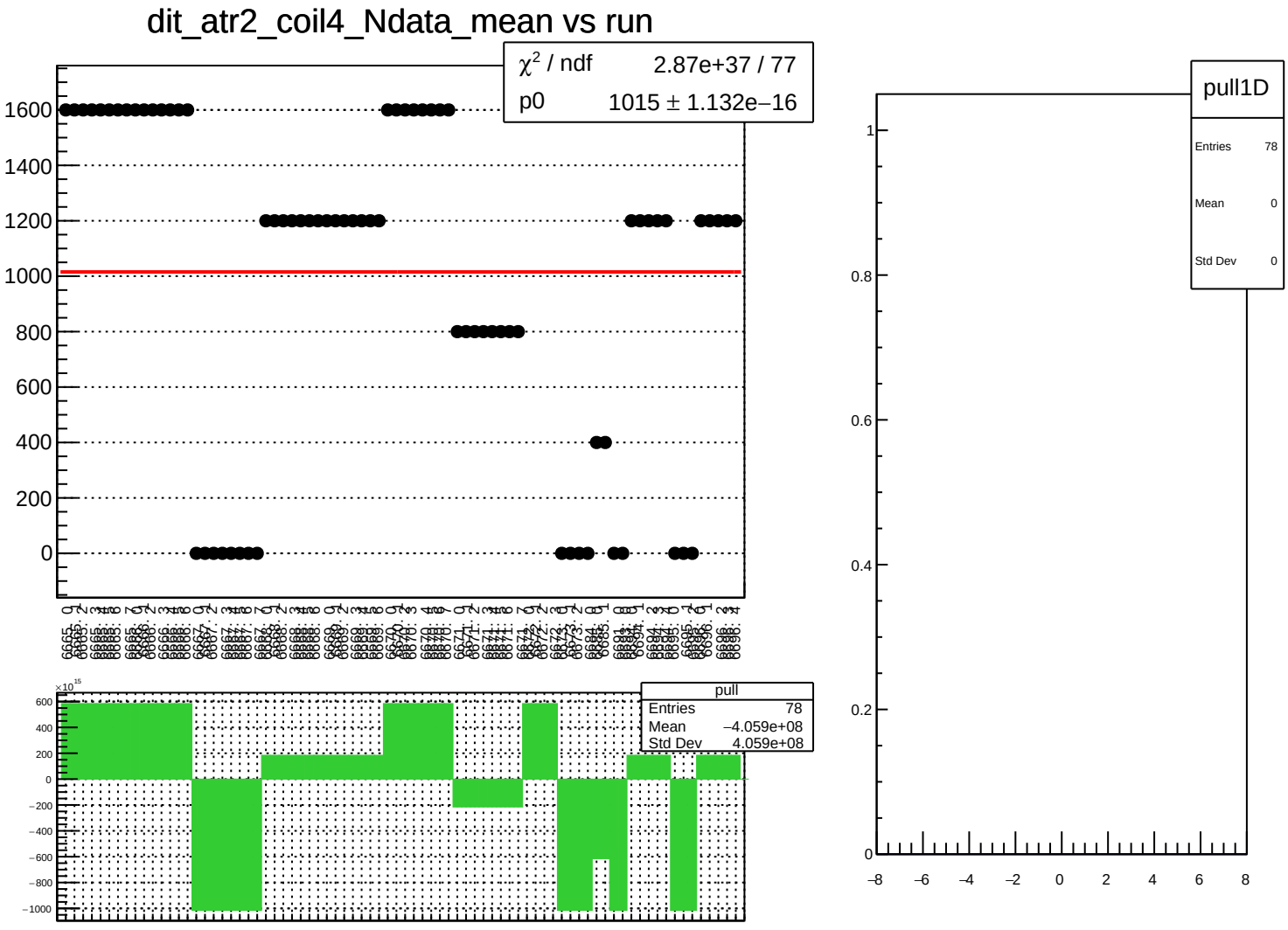




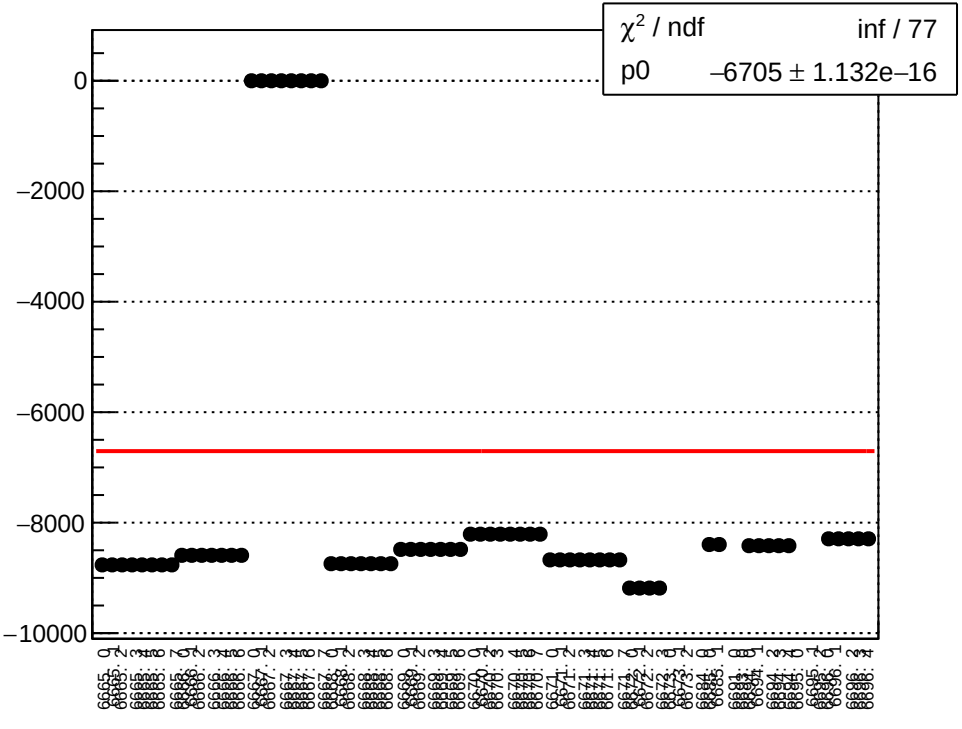

dit_atr2_coil4_mean vs run
χ² / ndf inf / 77
p0 2.693e+04 ± 1.132e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.24e+08
Std Dev 2.24e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

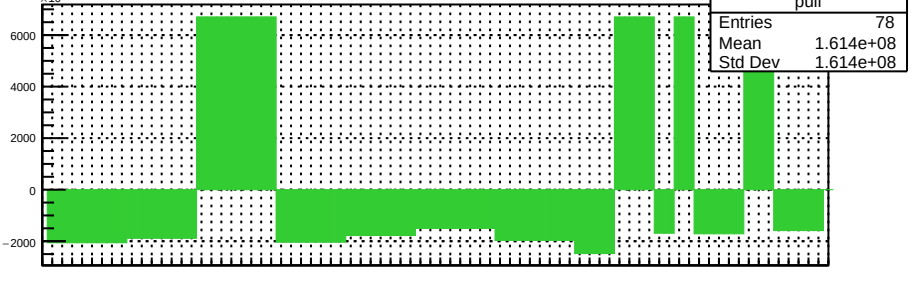

dit_atr2_coil4_err_mean vs run
χ^2 / ndf 5.795e+37 / 77
p0 1548 ± 1.132e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean 6.465e+08
Std Dev 6.465e+08
1500
1000
500
0
−500
−1000
−1500

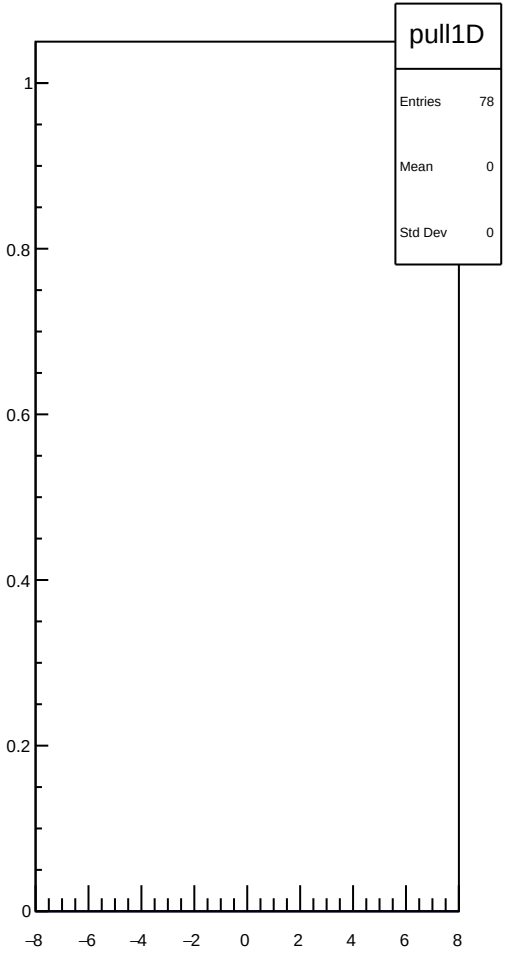

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

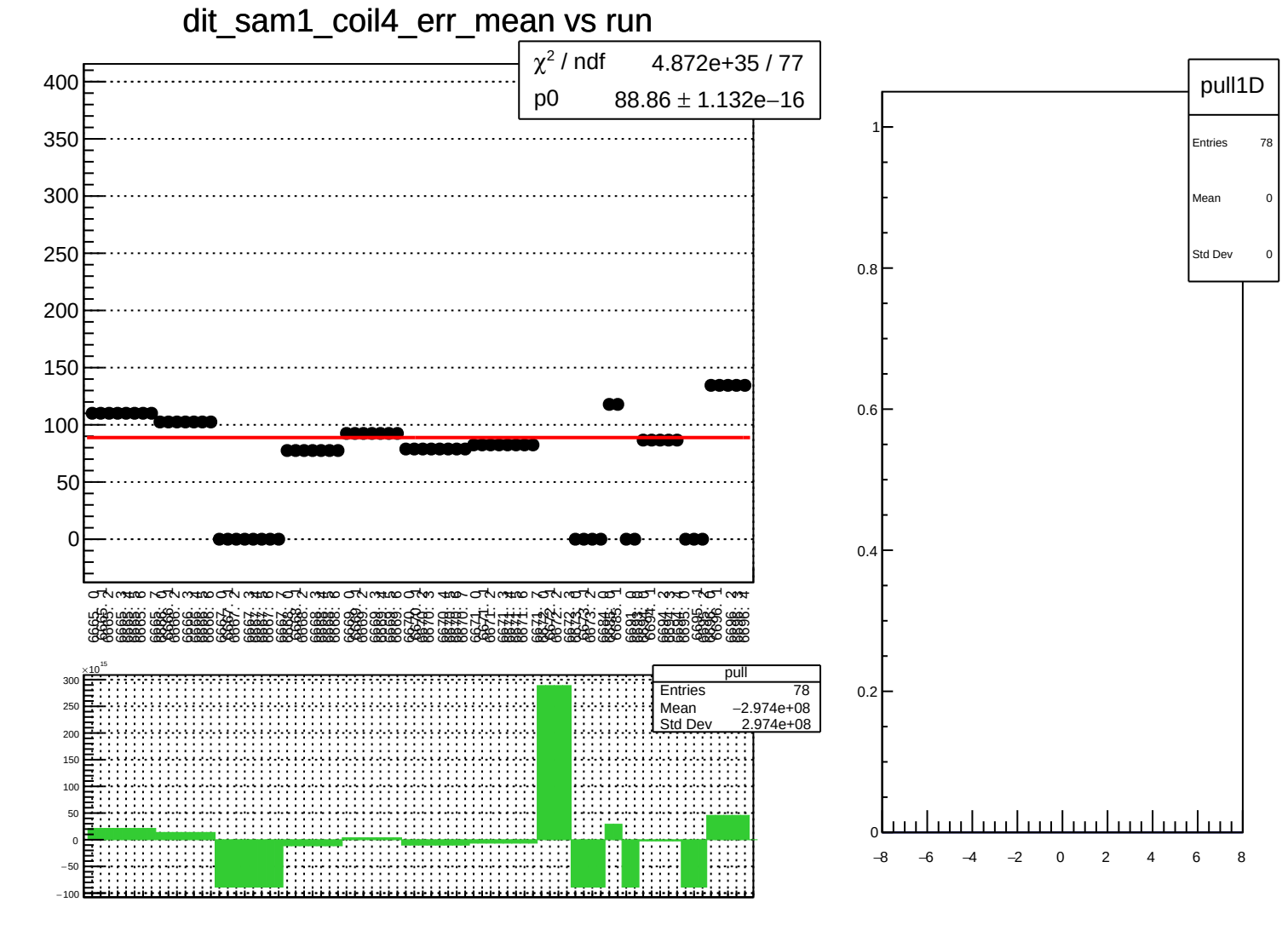

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

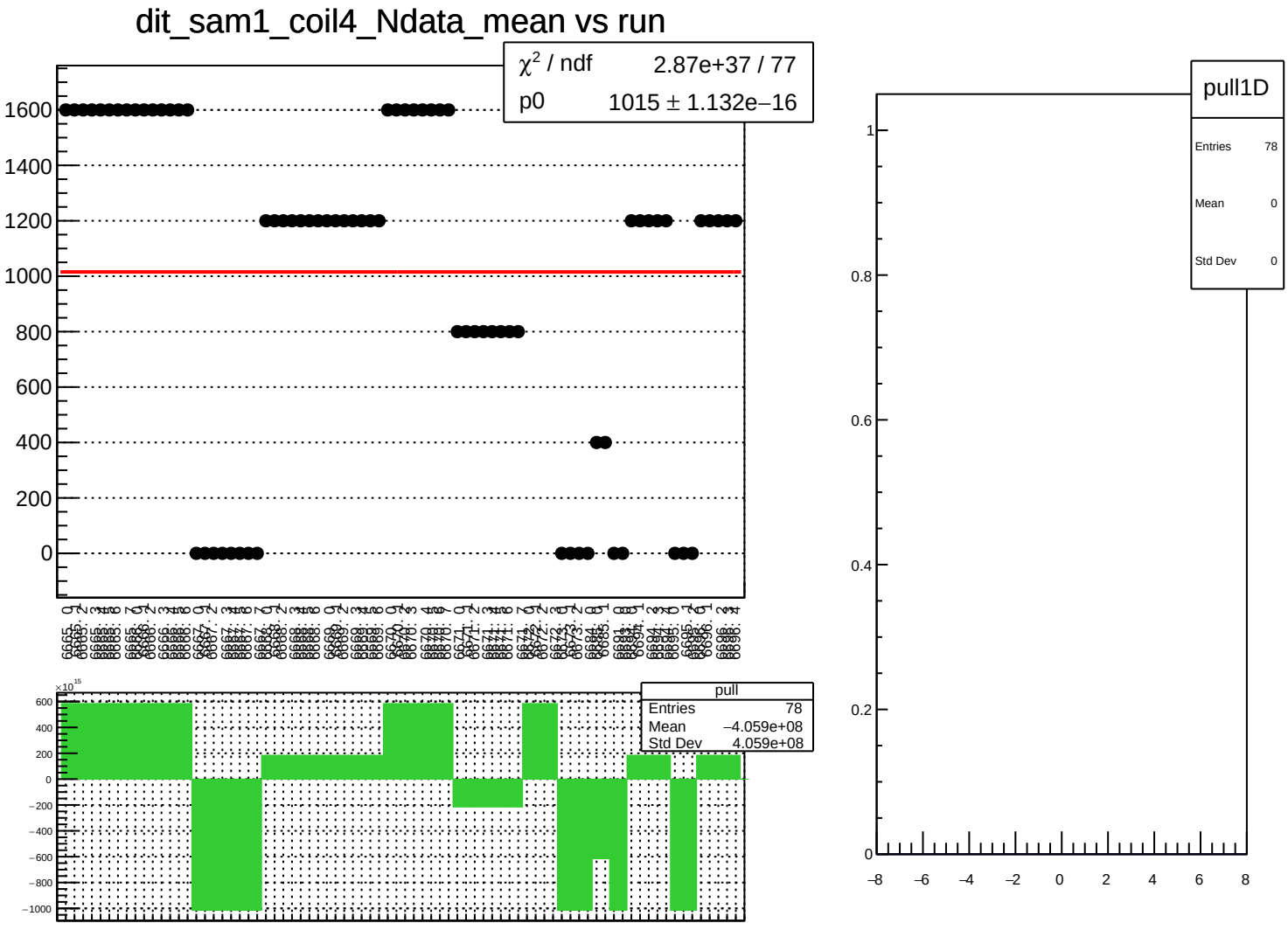
dit_sam1_coil4_mean vs run

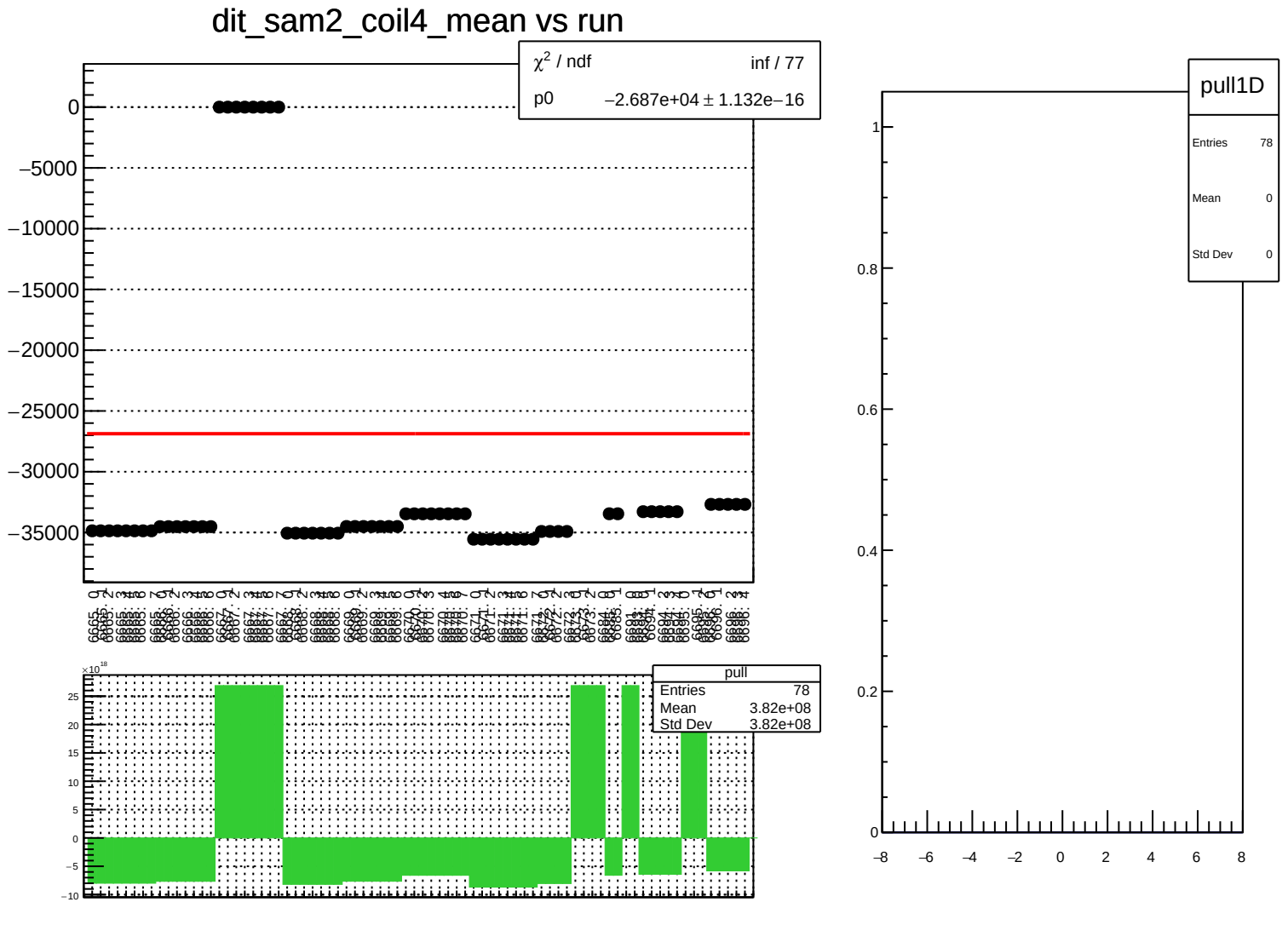


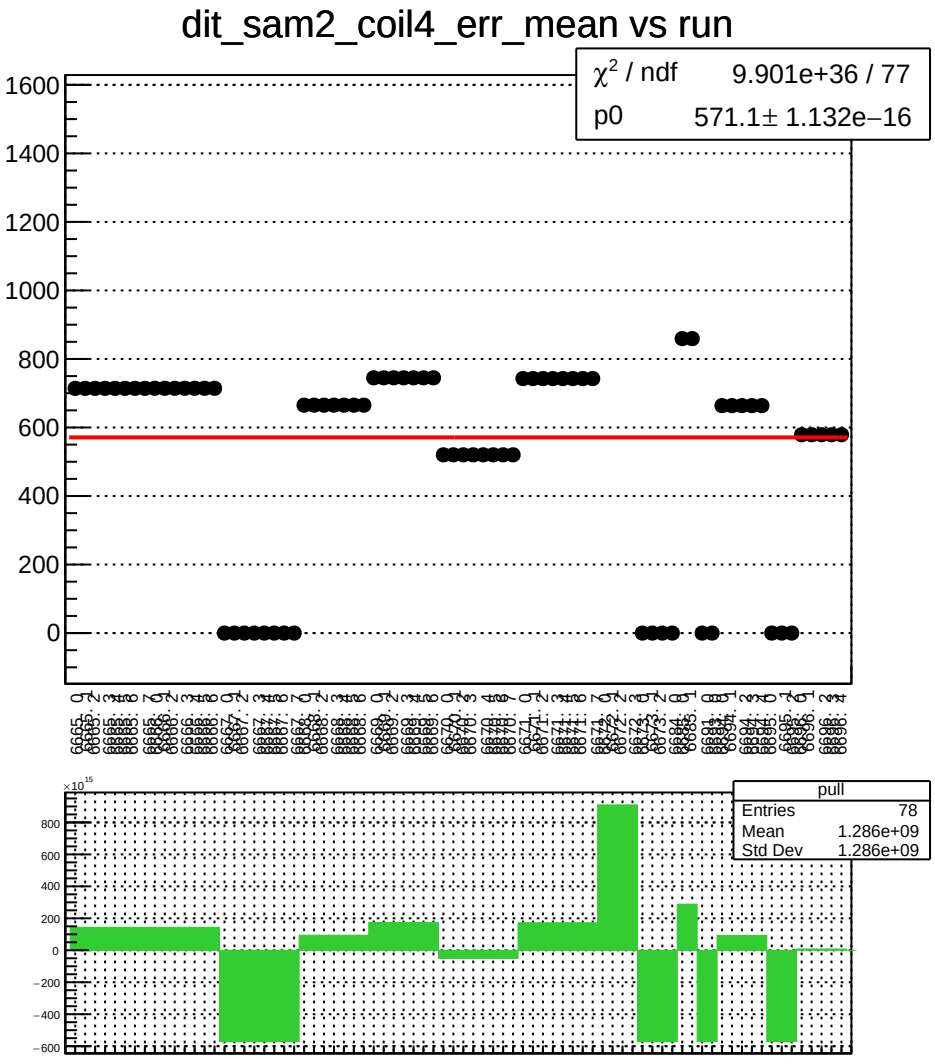


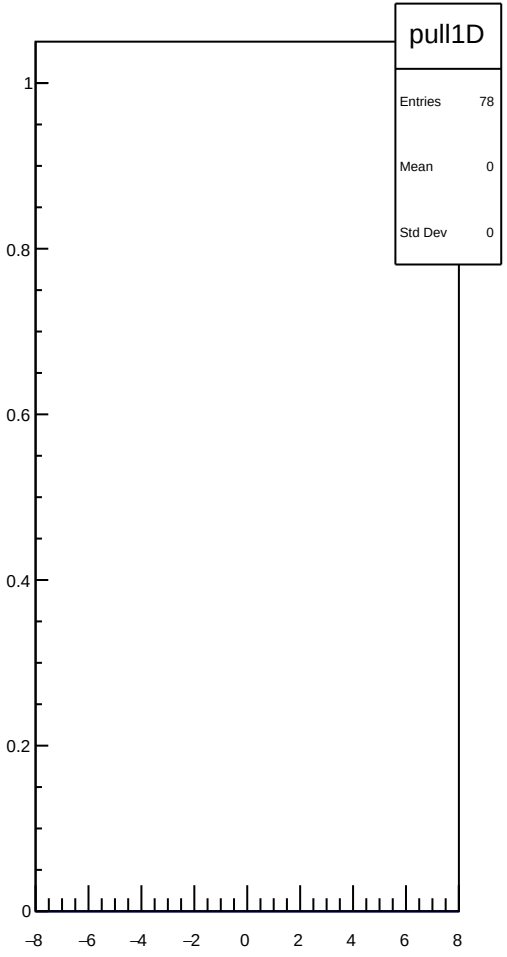


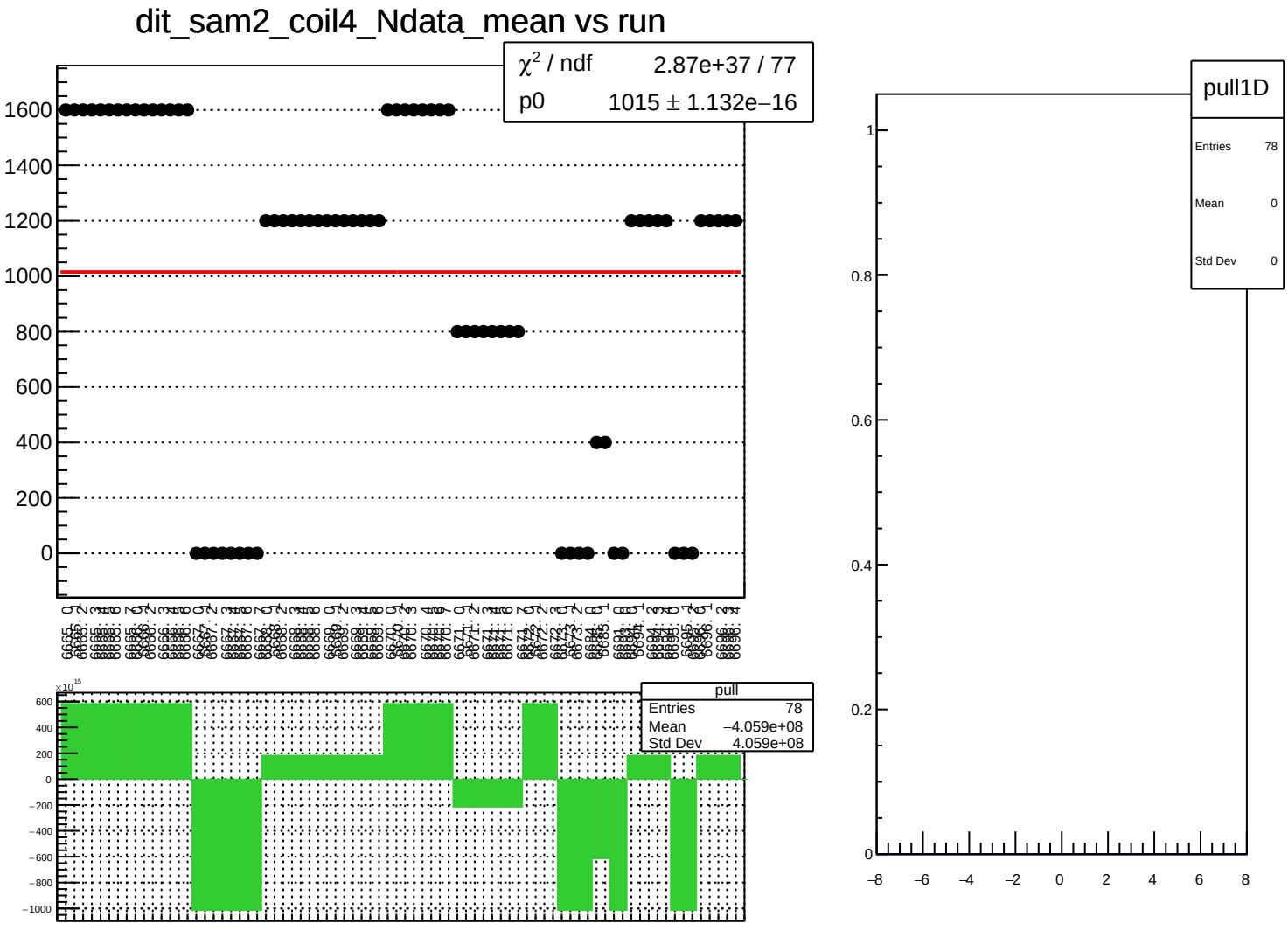

dit_sam1_coil4_err_mean vs run
χ² / ndf 4.872e+35 / 77
p0 88.86 ± 1.132e−16
pull
Entries 78
Mean −2.974e+08
Std Dev 2.974e+08
pull1D
Entries 78
Mean 0
Std Dev 0

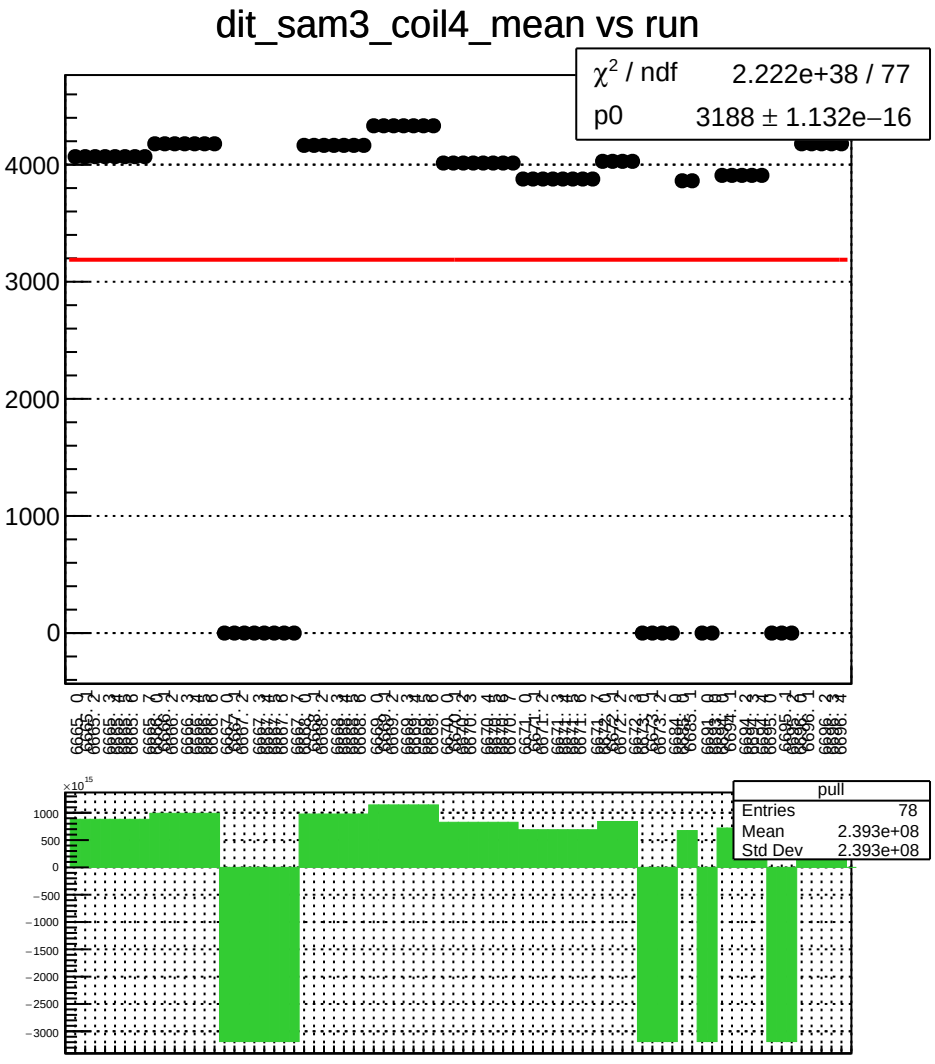

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

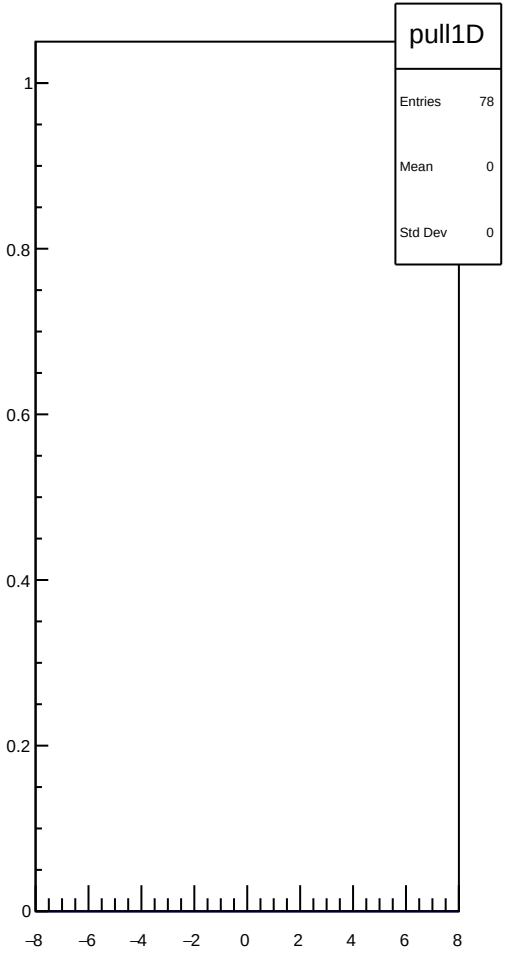

dit_sam2_coil4_mean vs run
χ^2 / ndf inf / 77
p0 −2.687e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 78
Mean 3.82e+08
Std Dev 3.82e+08
×10^18
25
20
15
10
5
0
−5
−10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

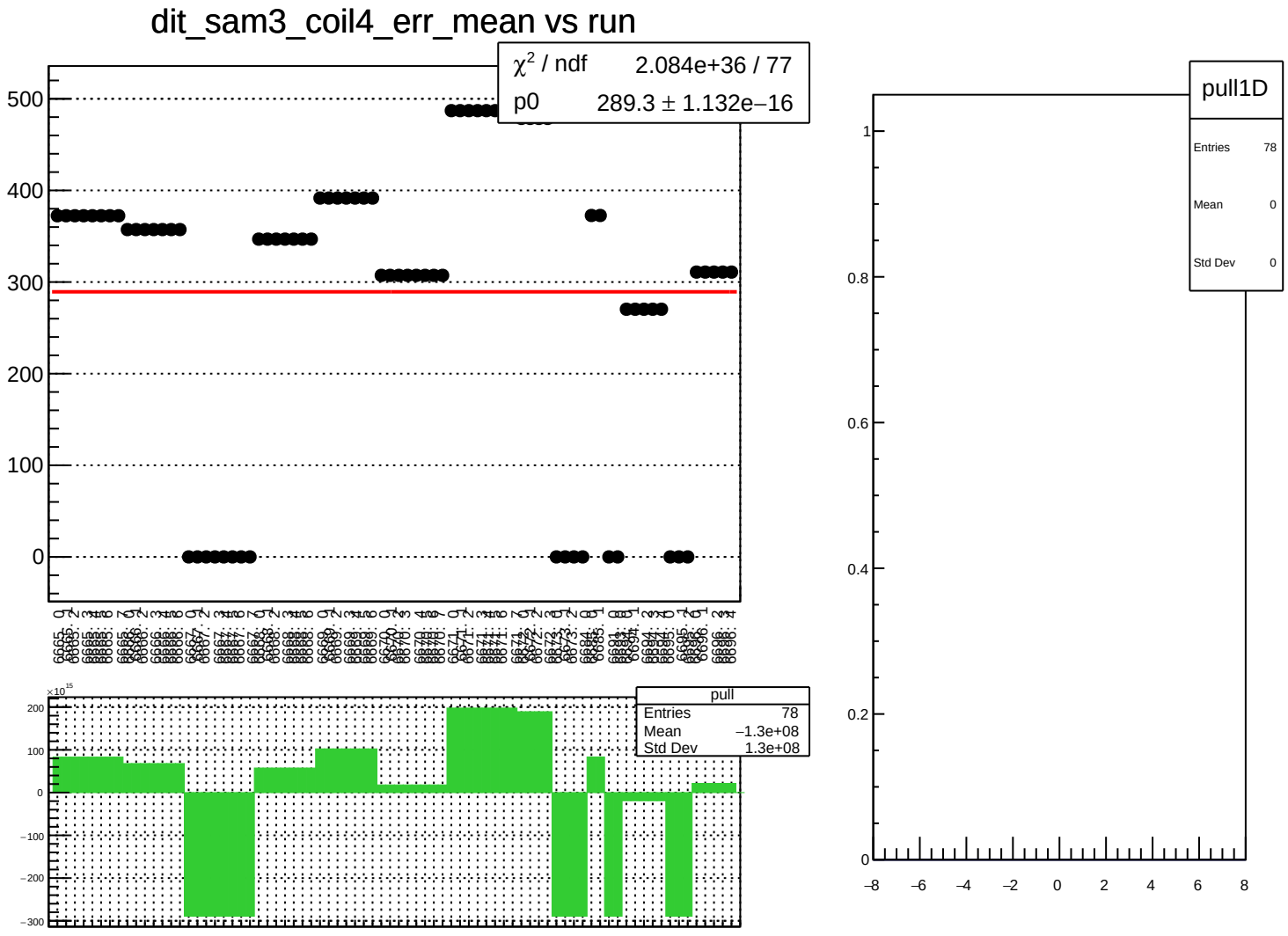

dit_sam2_coil4_err_mean vs run
χ² / ndf 9.901e+36 / 77
p0 571.1± 1.132e−16
pull
Entries 78
Mean 1.286e+09
Std Dev 1.286e+09

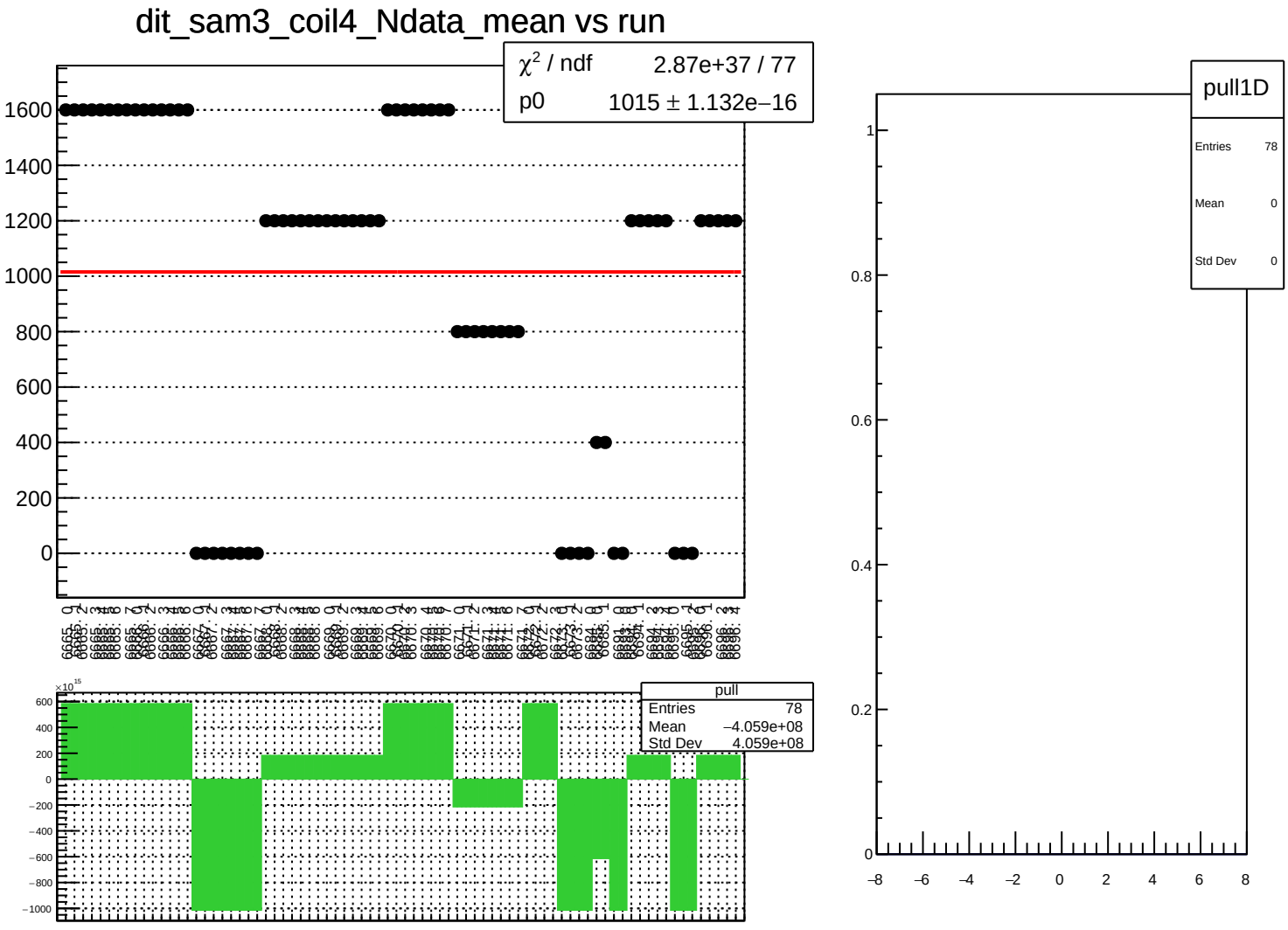

pull1D
Entries 78
Mean 0
Std Dev 0

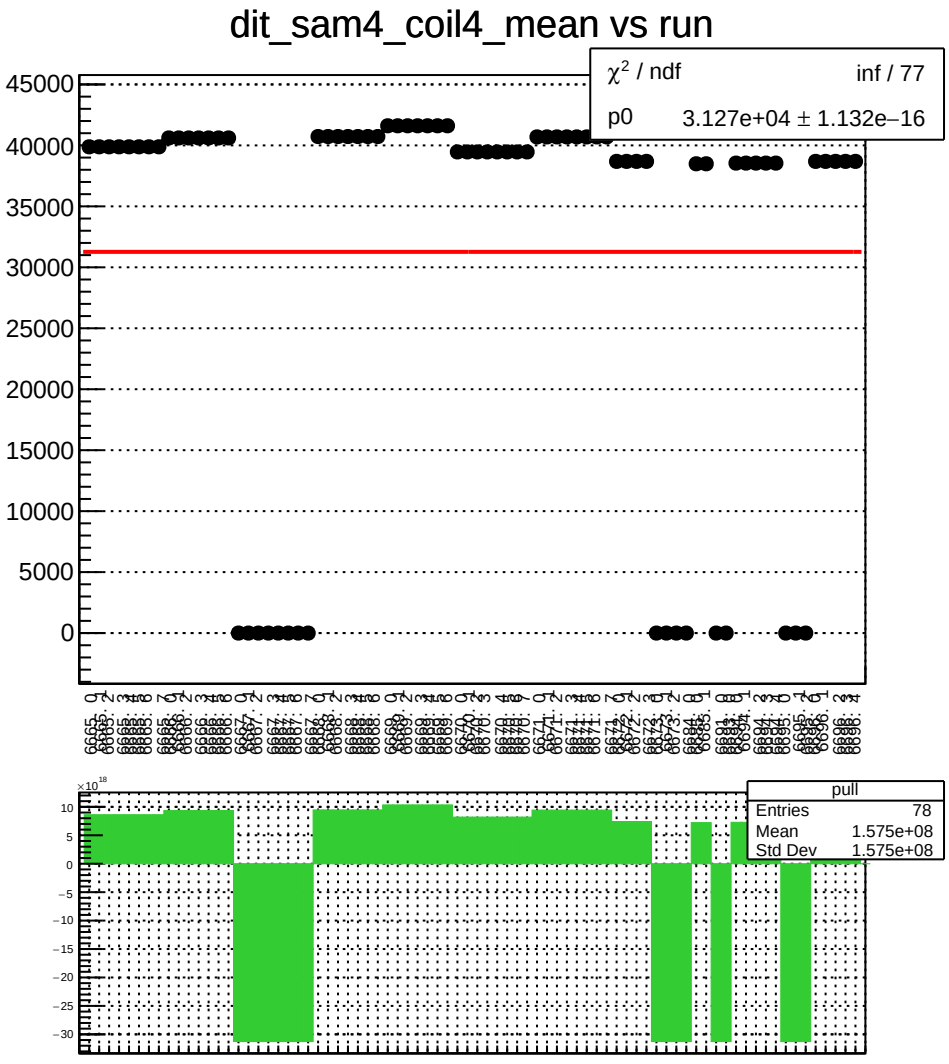

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

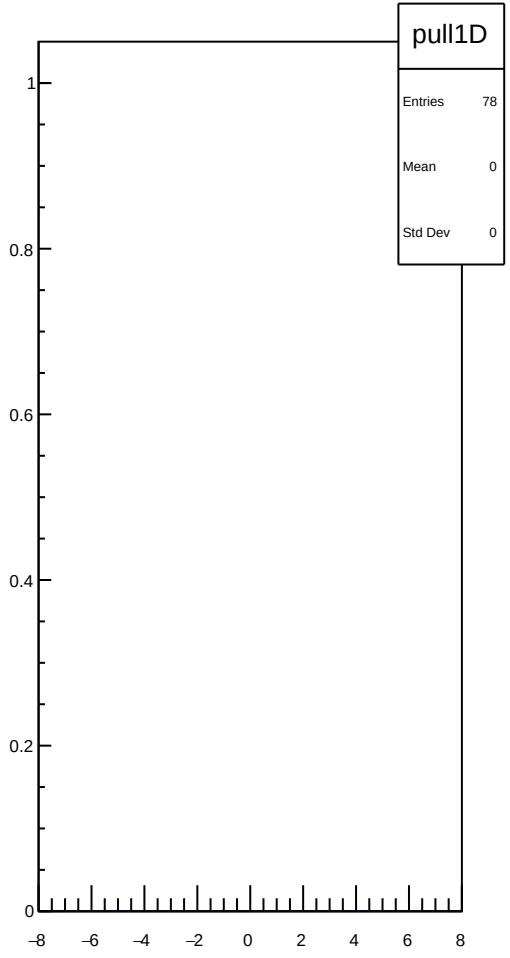

dit_sam3_coil4_mean vs run
χ² / ndf 2.222e+38 / 77
p0 3188 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean 2.393e+08
Std Dev 2.393e+08
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000

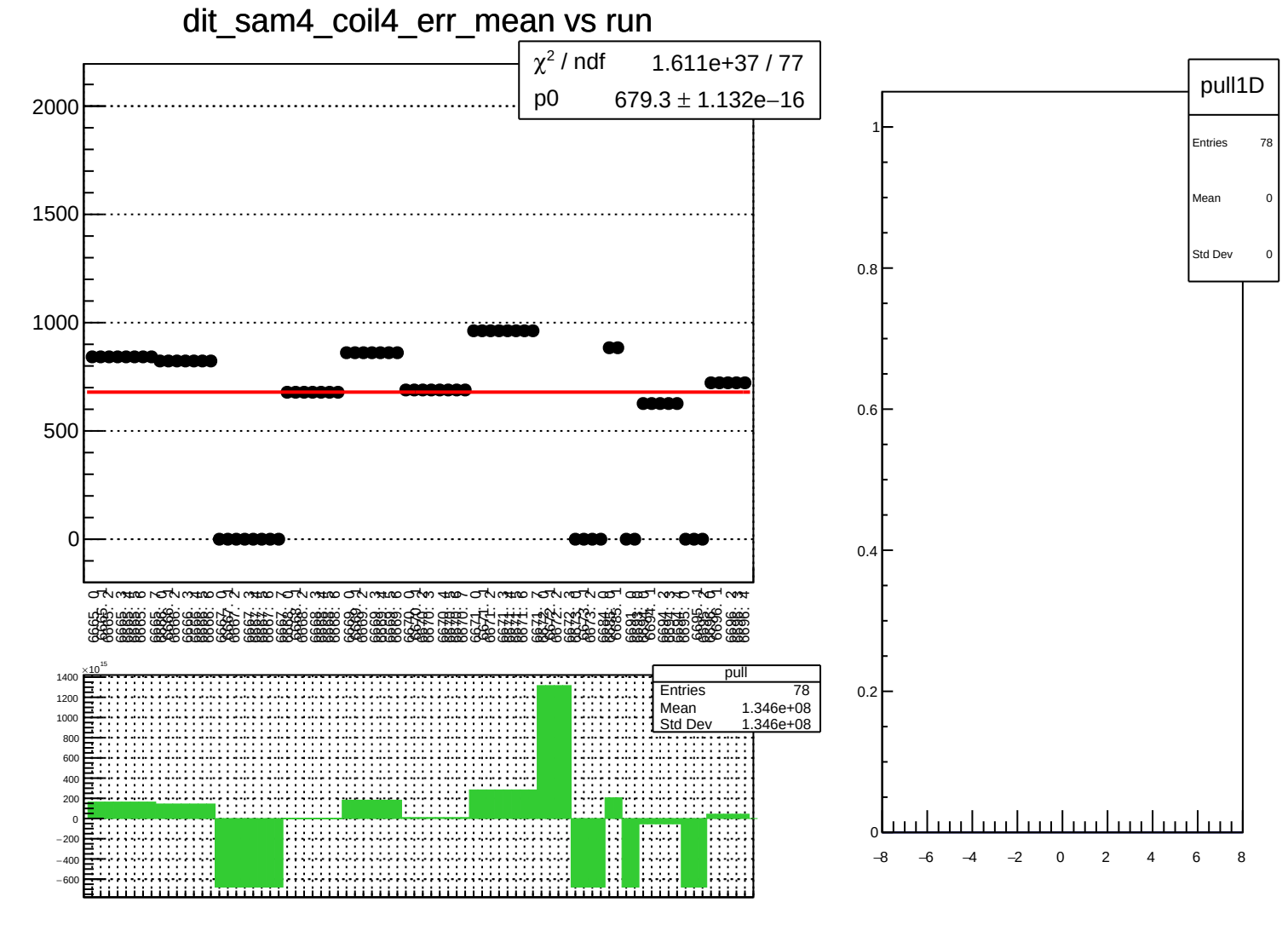

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

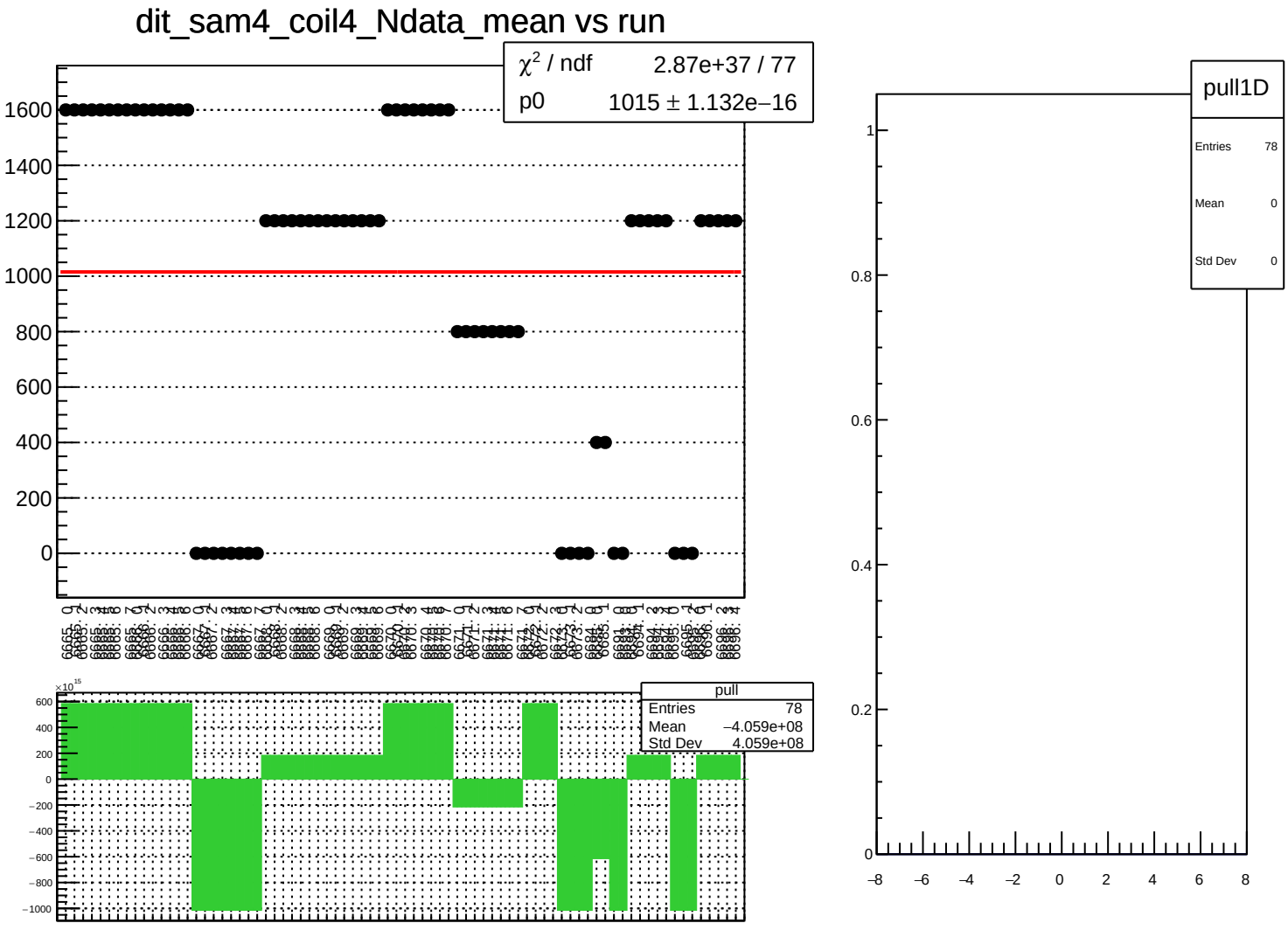

dit_sam3_coil4_err_mean vs run
χ² / ndf 2.084e+36 / 77
p0 289.3 ± 1.132e−16
pull
Entries 78
Mean −1.3e+08
Std Dev 1.3e+08
pull1D
Entries 78
Mean 0
Std Dev 0

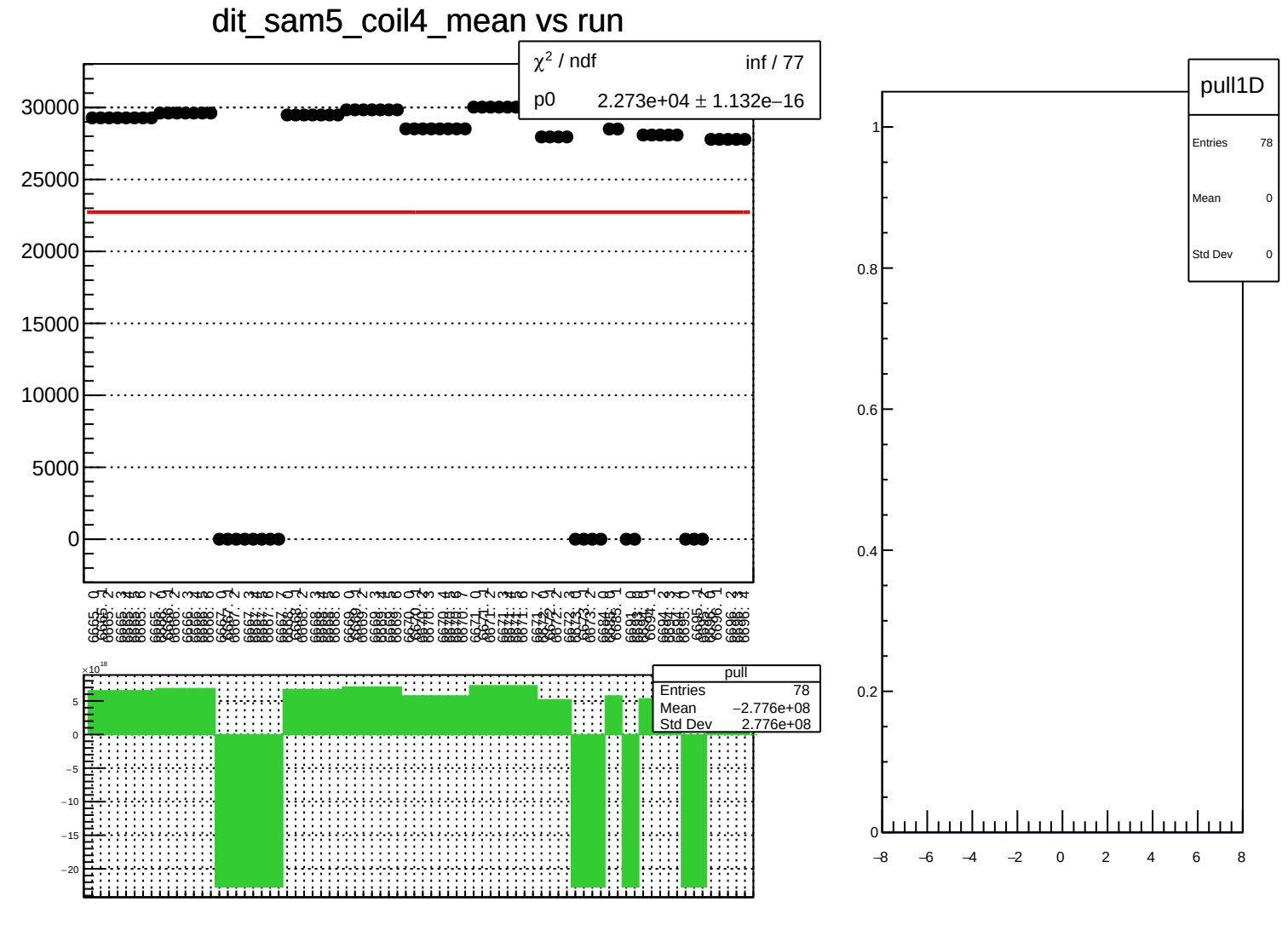

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

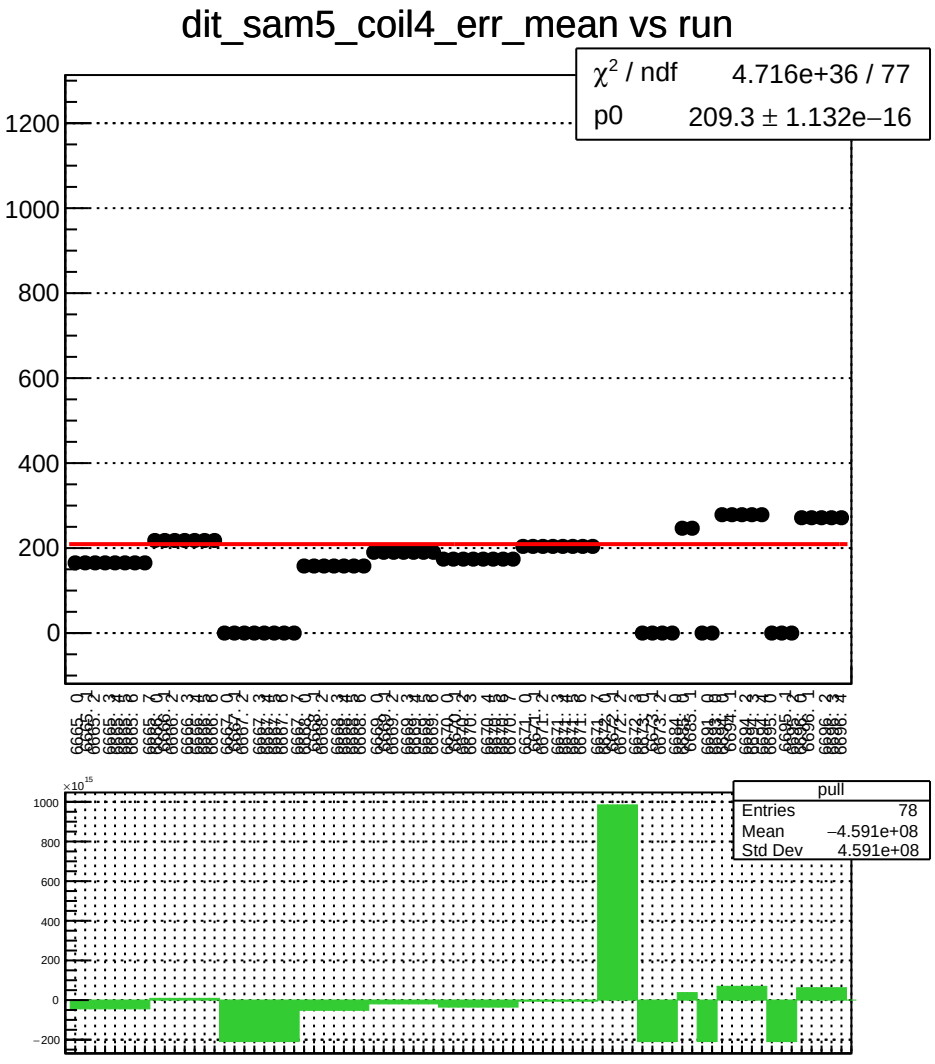

dit_sam4_coil4_mean vs run
χ² / ndf inf / 77
p0 3.127e+04 ± 1.132e−16
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 1.575e+08
Std Dev 1.575e+08
×10¹⁸
10
5
0
−5
−10
−15
−20
−25
−30

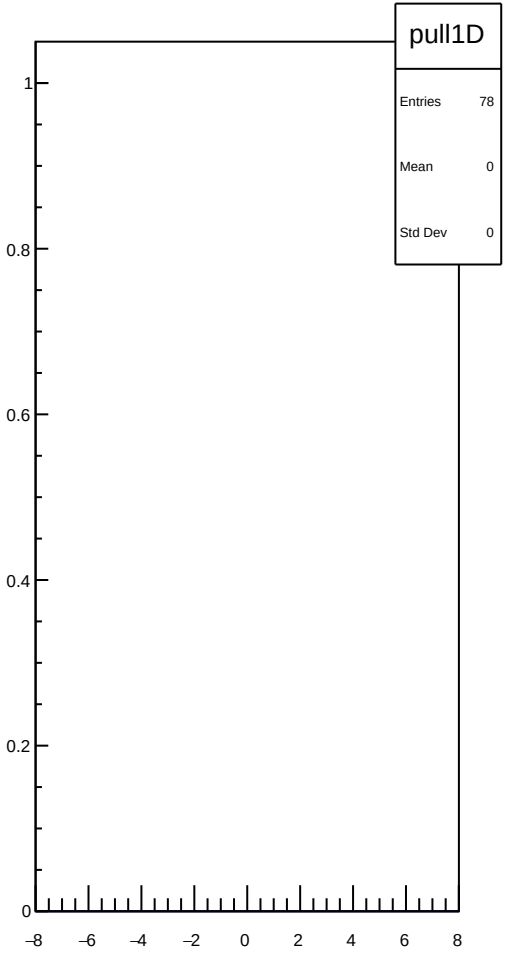

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

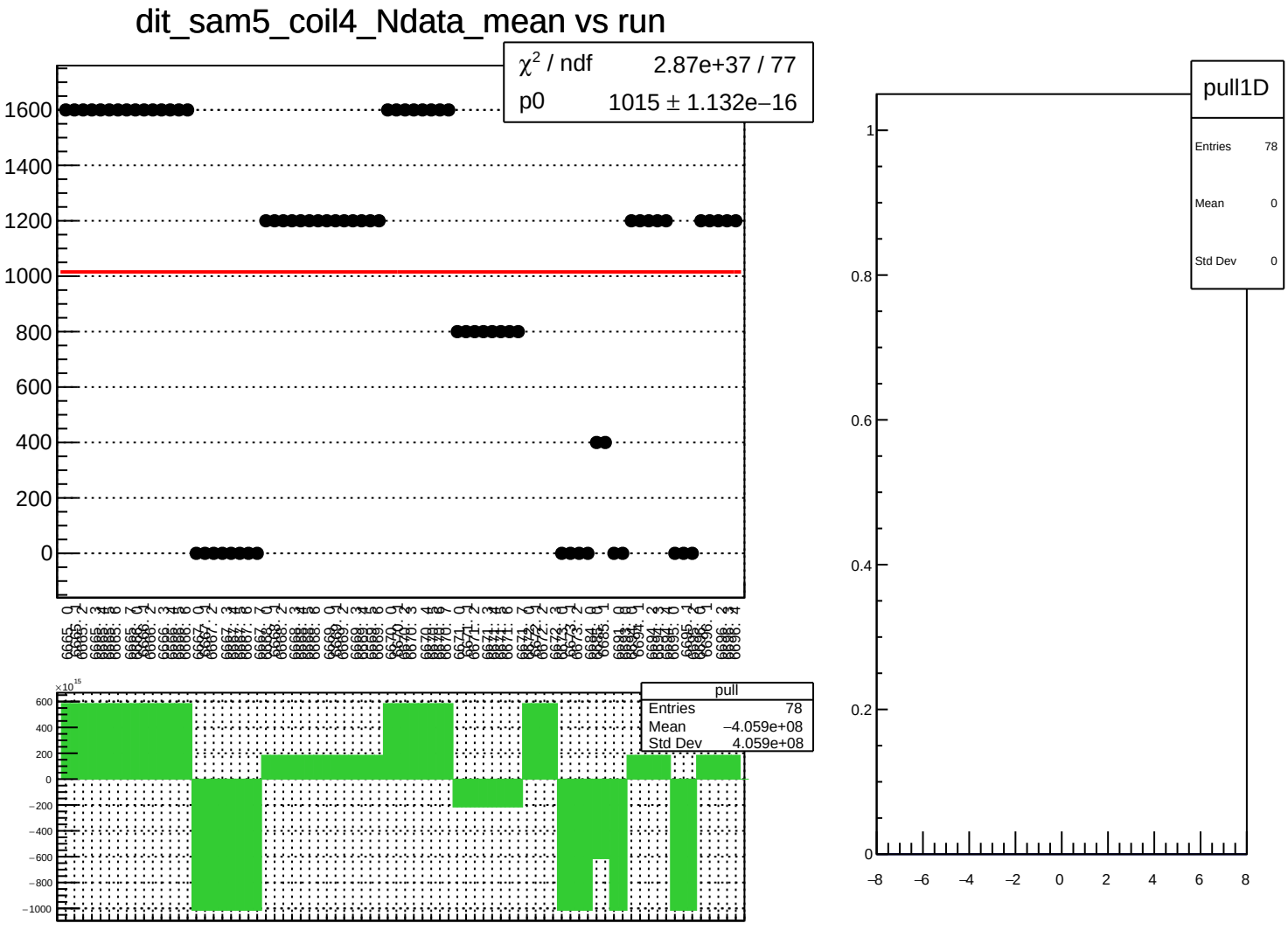

dit_sam4_coil4_err_mean vs run
χ² / ndf 1.611e+37 / 77
p0 679.3 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.346e+08
Std Dev 1.346e+08
1400
1200
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

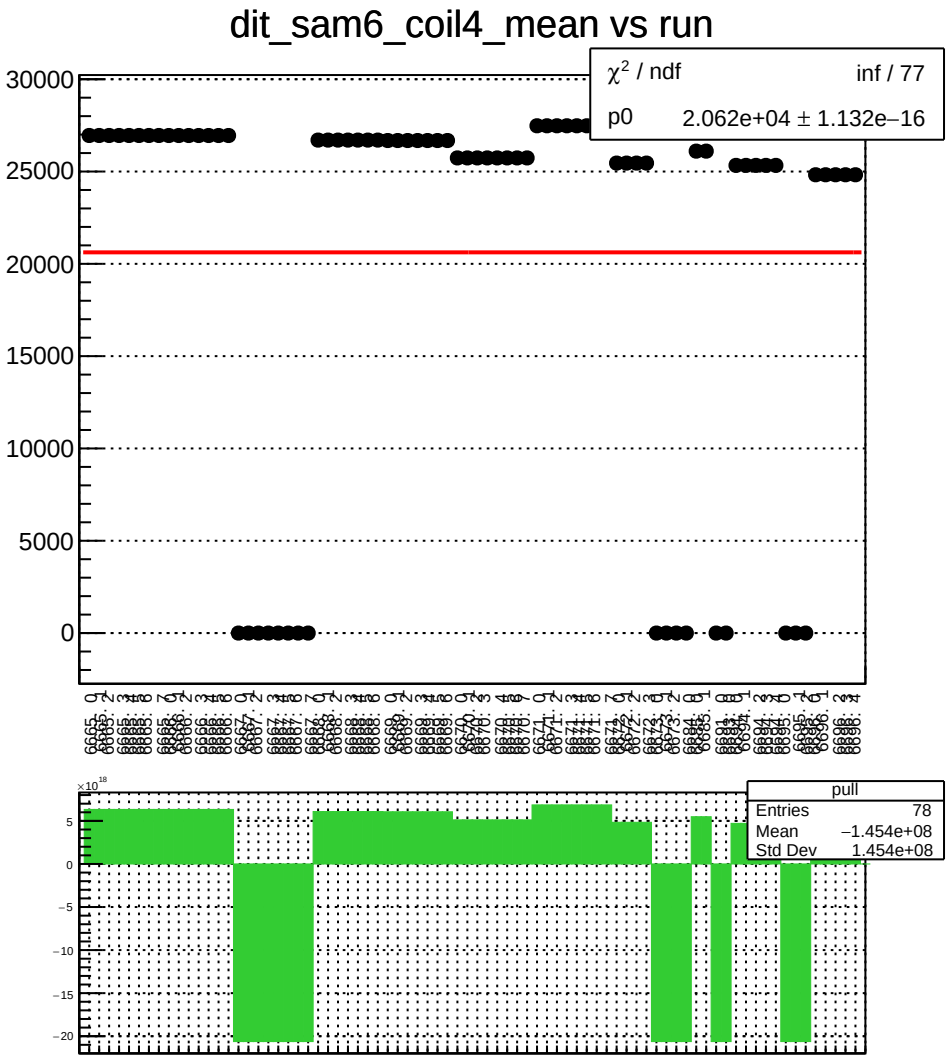

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

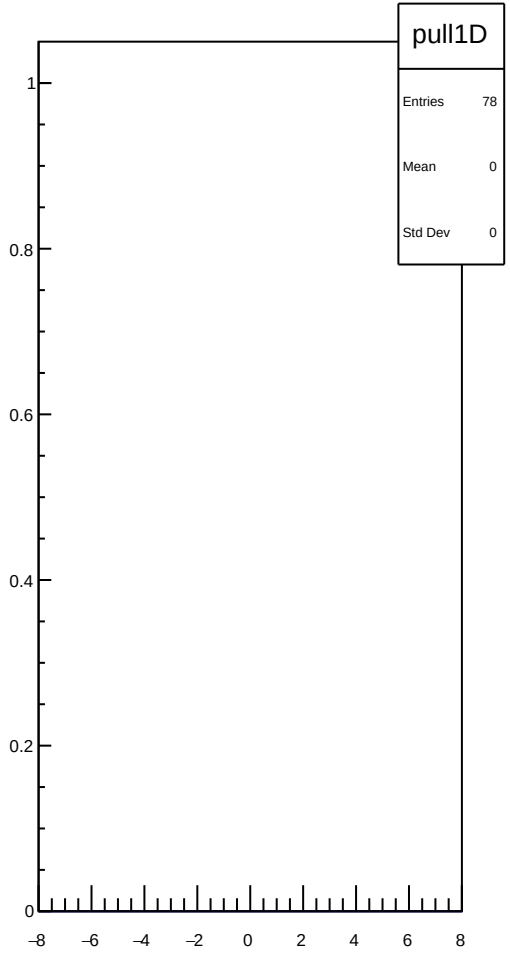

dit_sam5_coil4_mean vs run
χ² / ndf inf / 77
p0 2.273e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.776e+08
Std Dev 2.776e+08
×10¹⁸
5
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

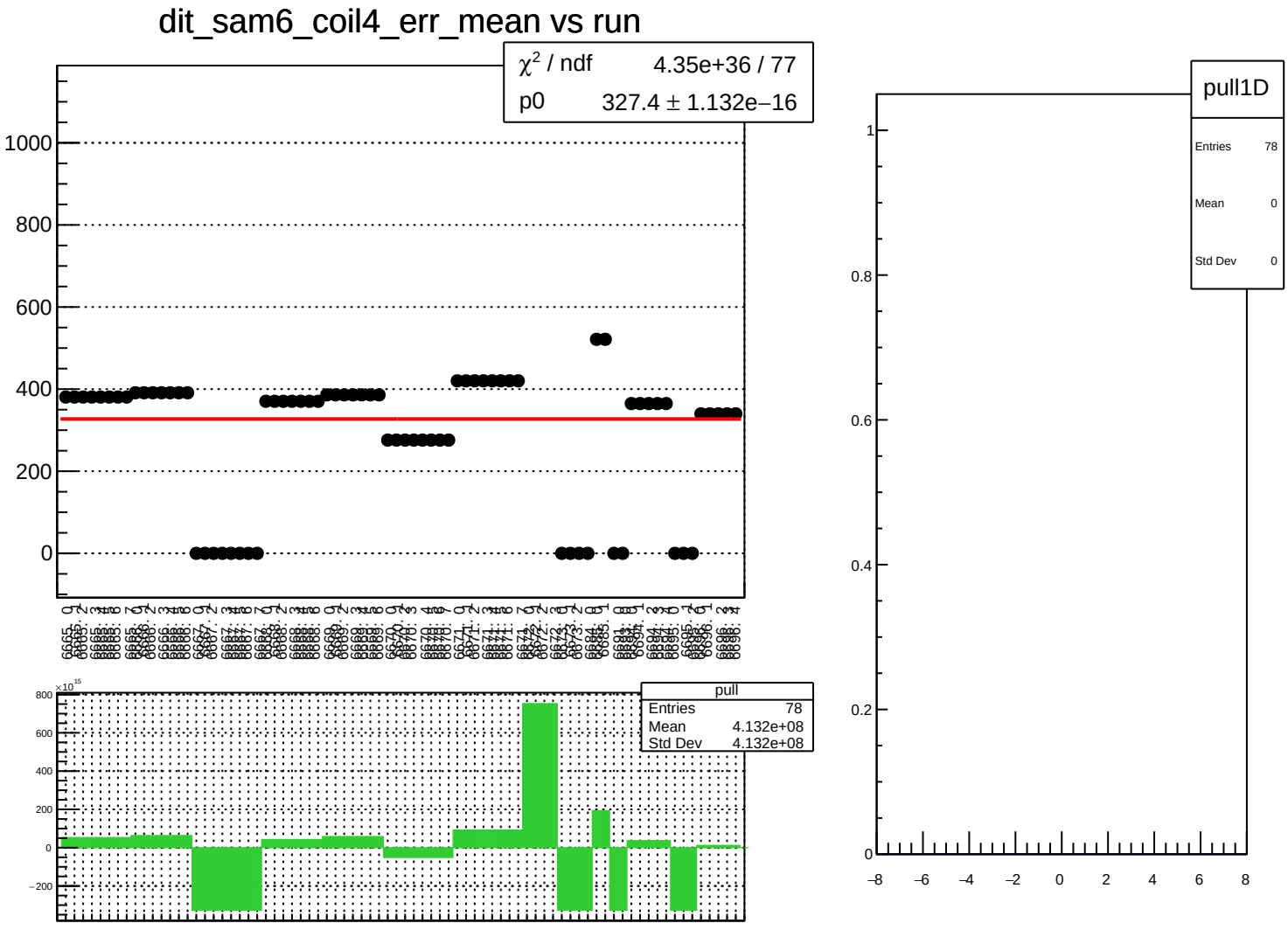

dit_sam5_coil4_err_mean vs run
χ^2 / ndf 4.716e+36 / 77
p0 209.3 ± 1.132e−16
pull
Entries 78
Mean −4.591e+08
Std Dev 4.591e+08

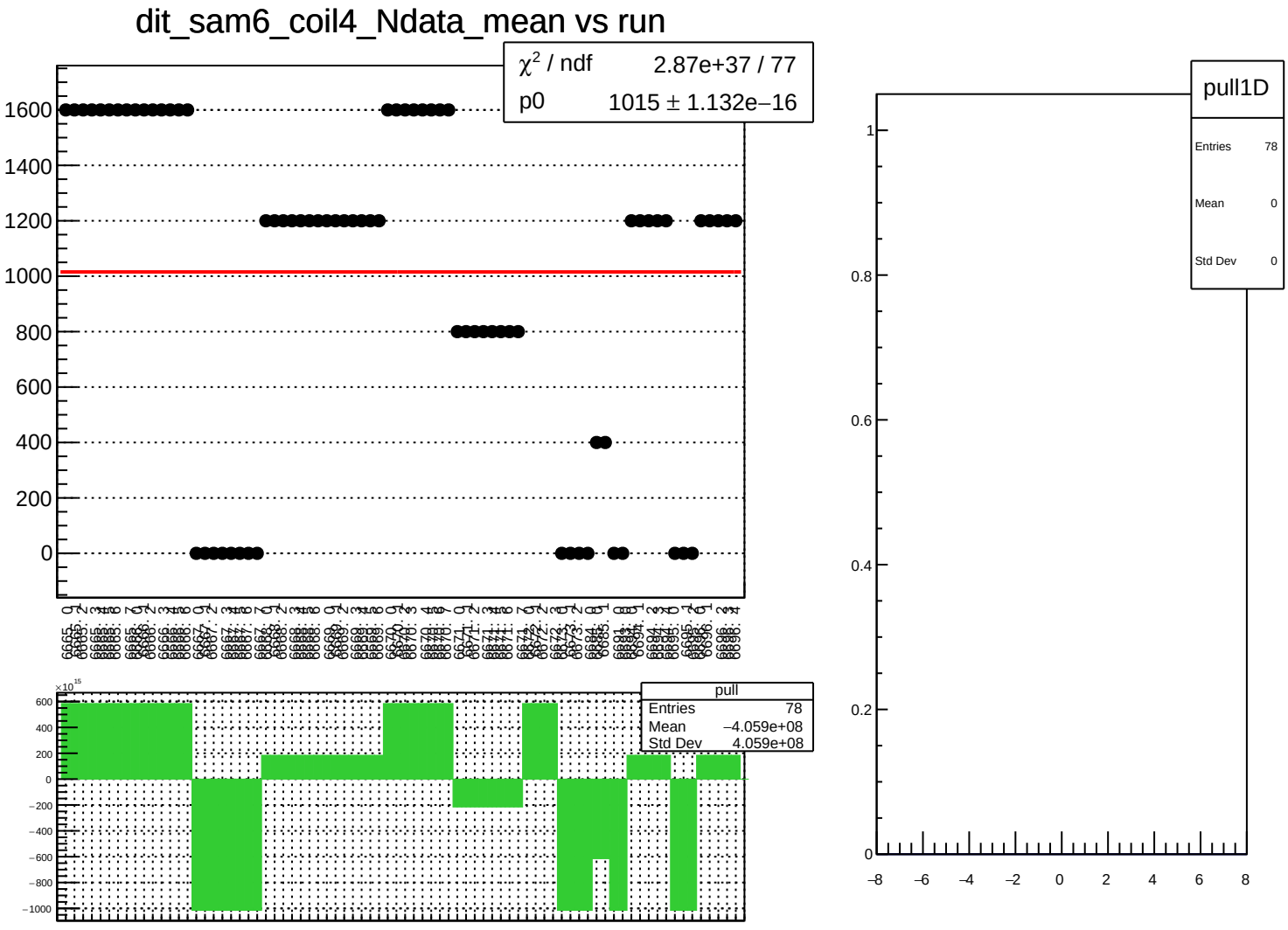

pull1D
Entries 78
Mean 0
Std Dev 0

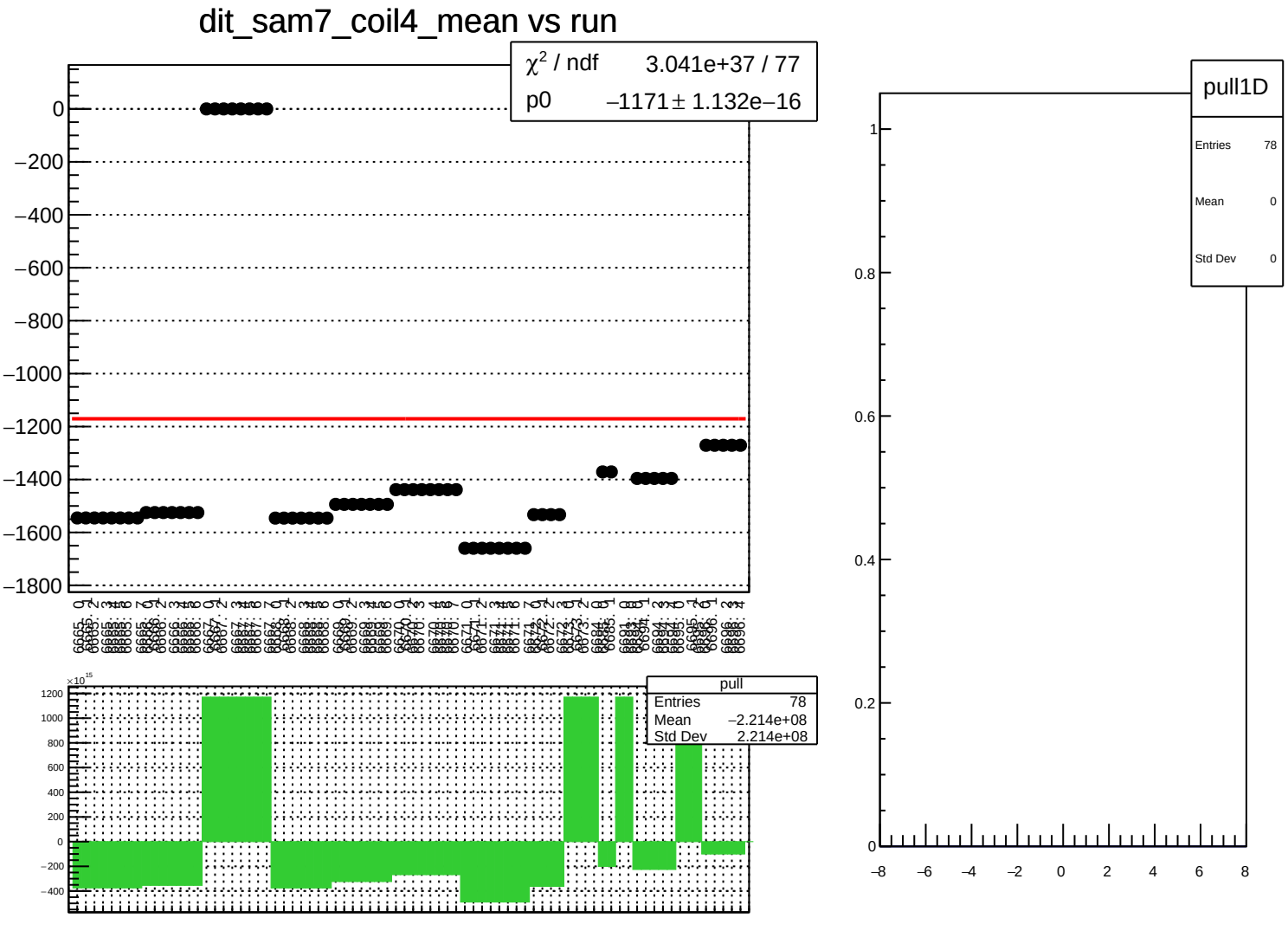

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam6_coil4_mean vs run
χ² / ndf inf / 77
p0 2.062e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.454e+08
Std Dev 1.454e+08
×10¹⁸
5
0
−5
−10
−15
−20

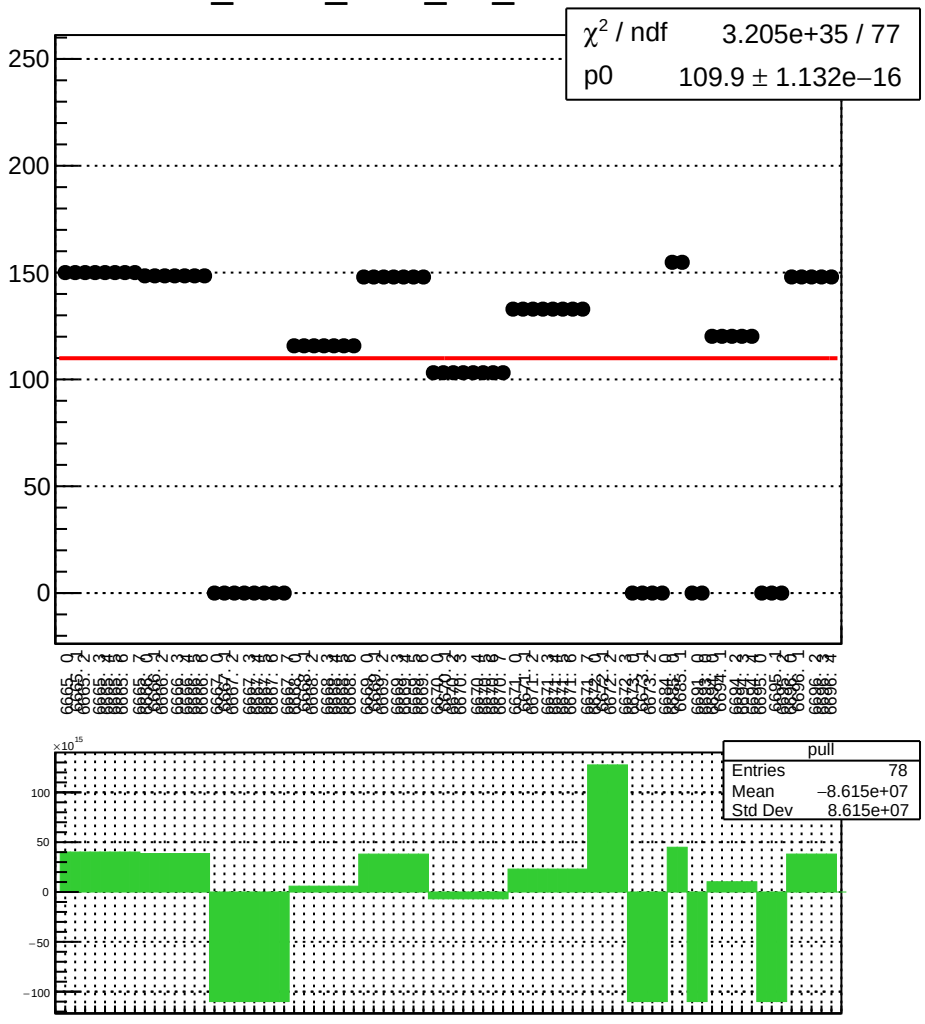

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

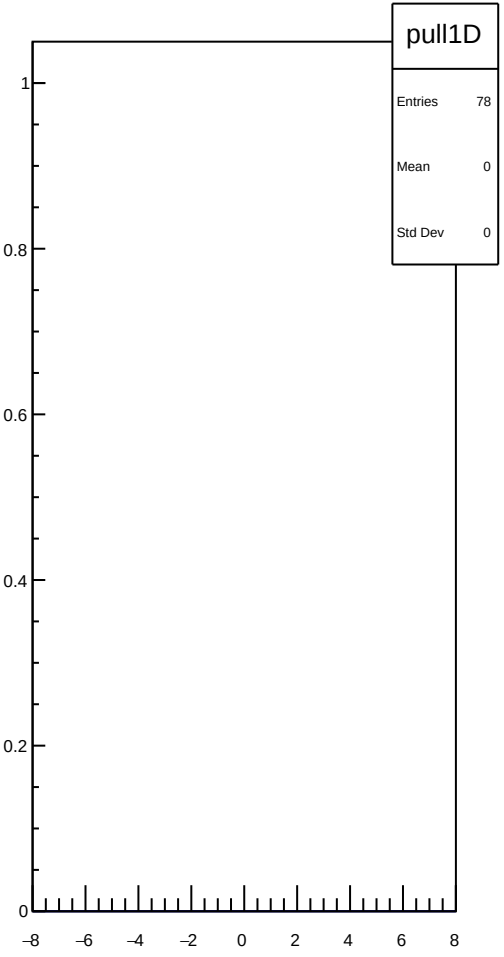

dit_sam6_coil4_err_mean vs run
χ² / ndf 4.35e+36 / 77
p0 327.4 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 4.132e+08
Std Dev 4.132e+08
×10¹⁵
800
600
400
200
0
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

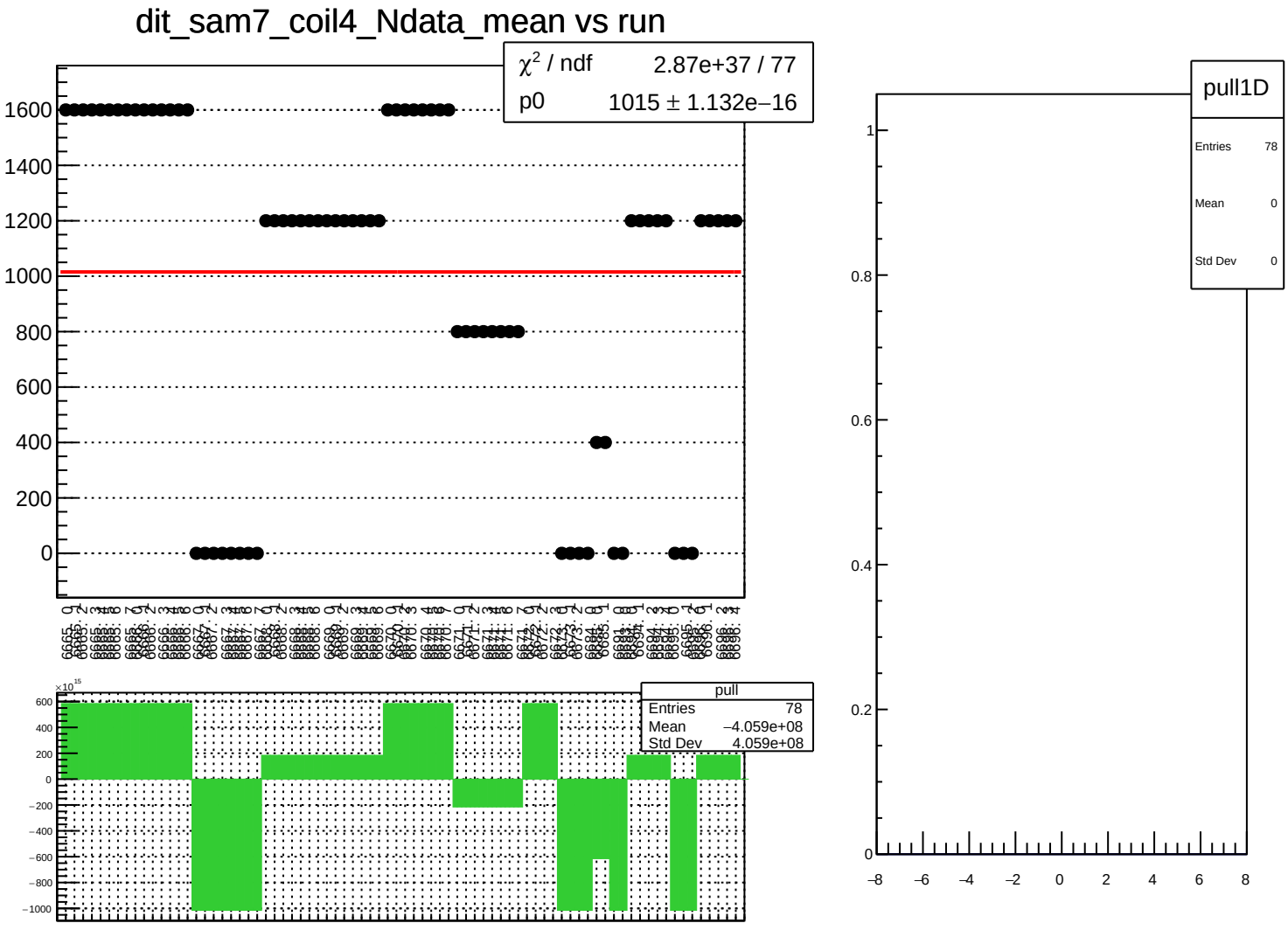

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

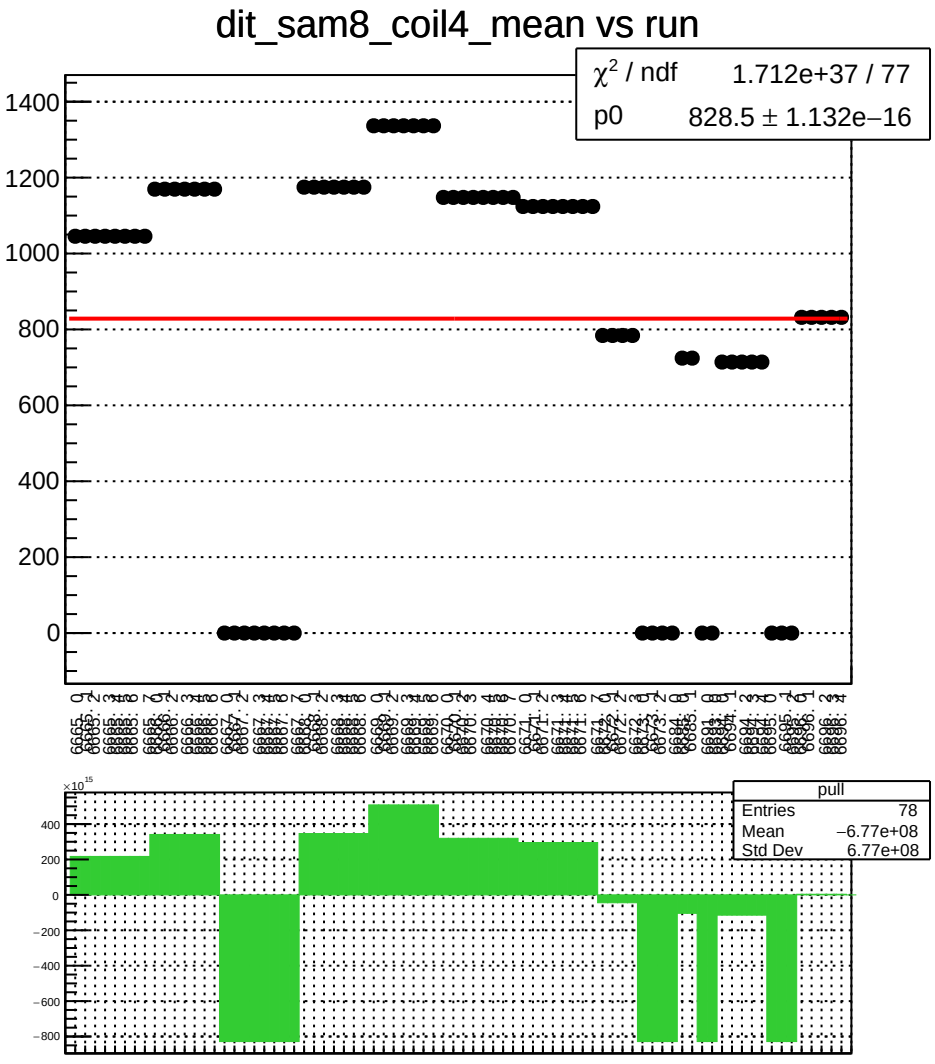

dit_sam7_coil4_mean vs run
χ² / ndf 3.041e+37 / 77
p0 −1171 ± 1.132e−16
pull
Entries 78
Mean −2.214e+08
Std Dev 2.214e+08
pull1D
Entries 78
Mean 0
Std Dev 0

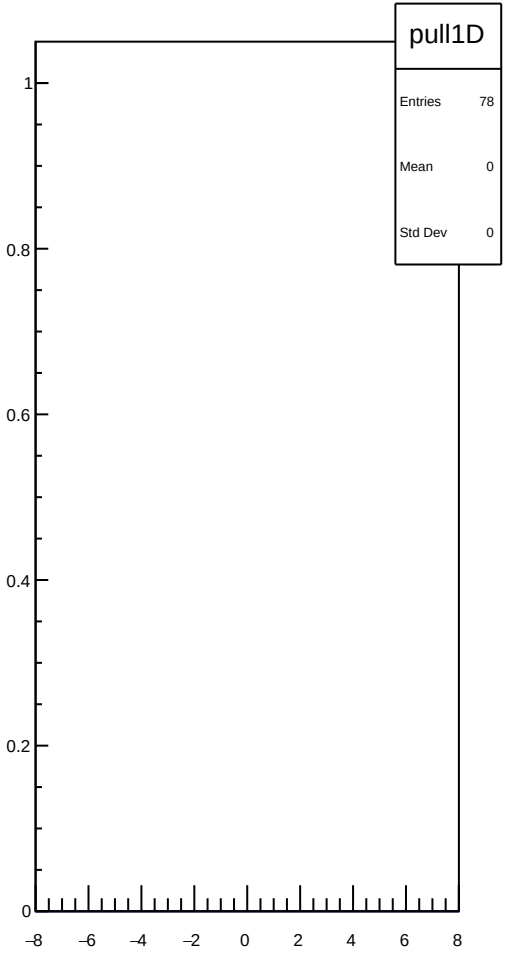
dit_sam7_coil4_err_mean vs run

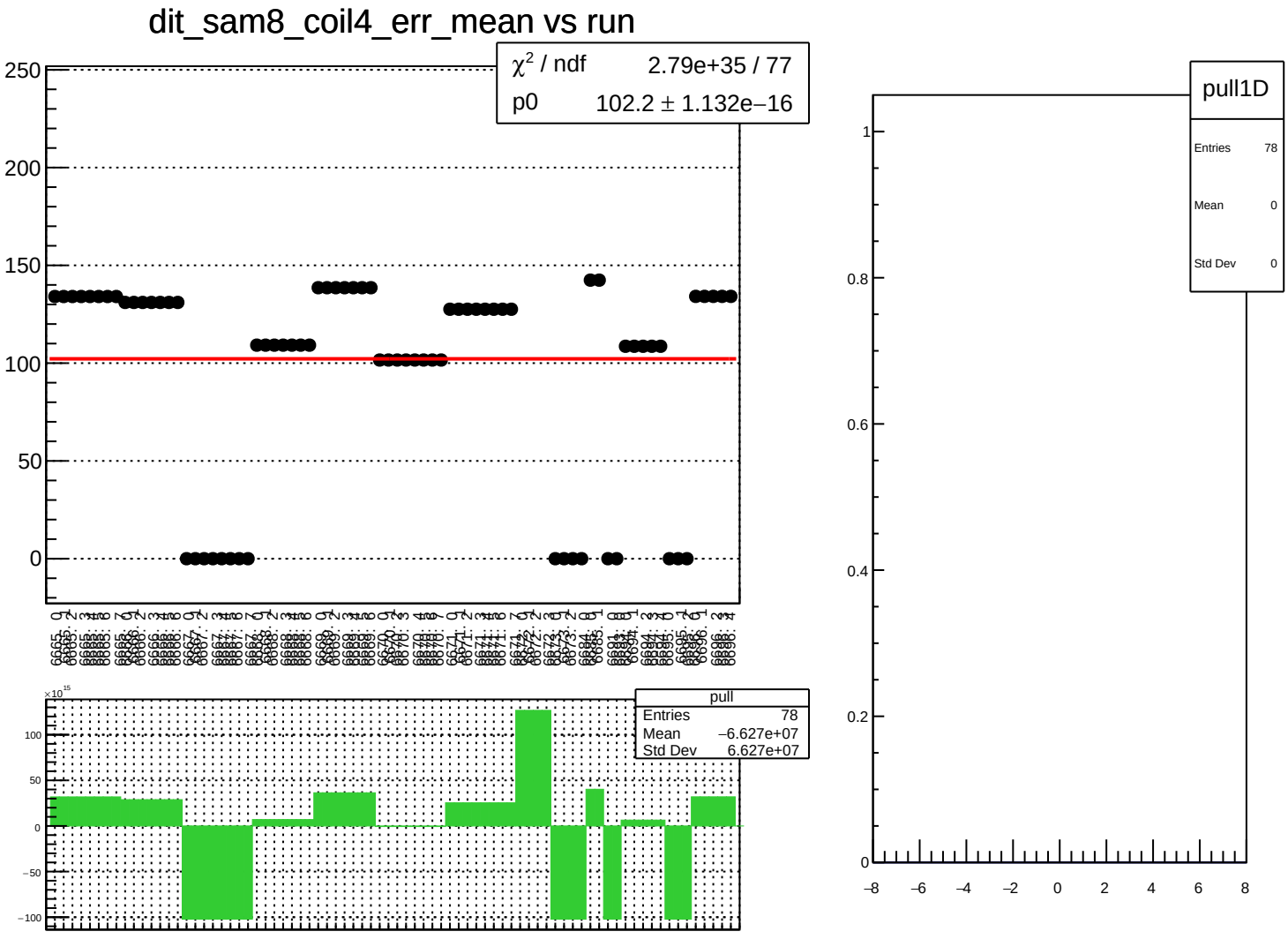


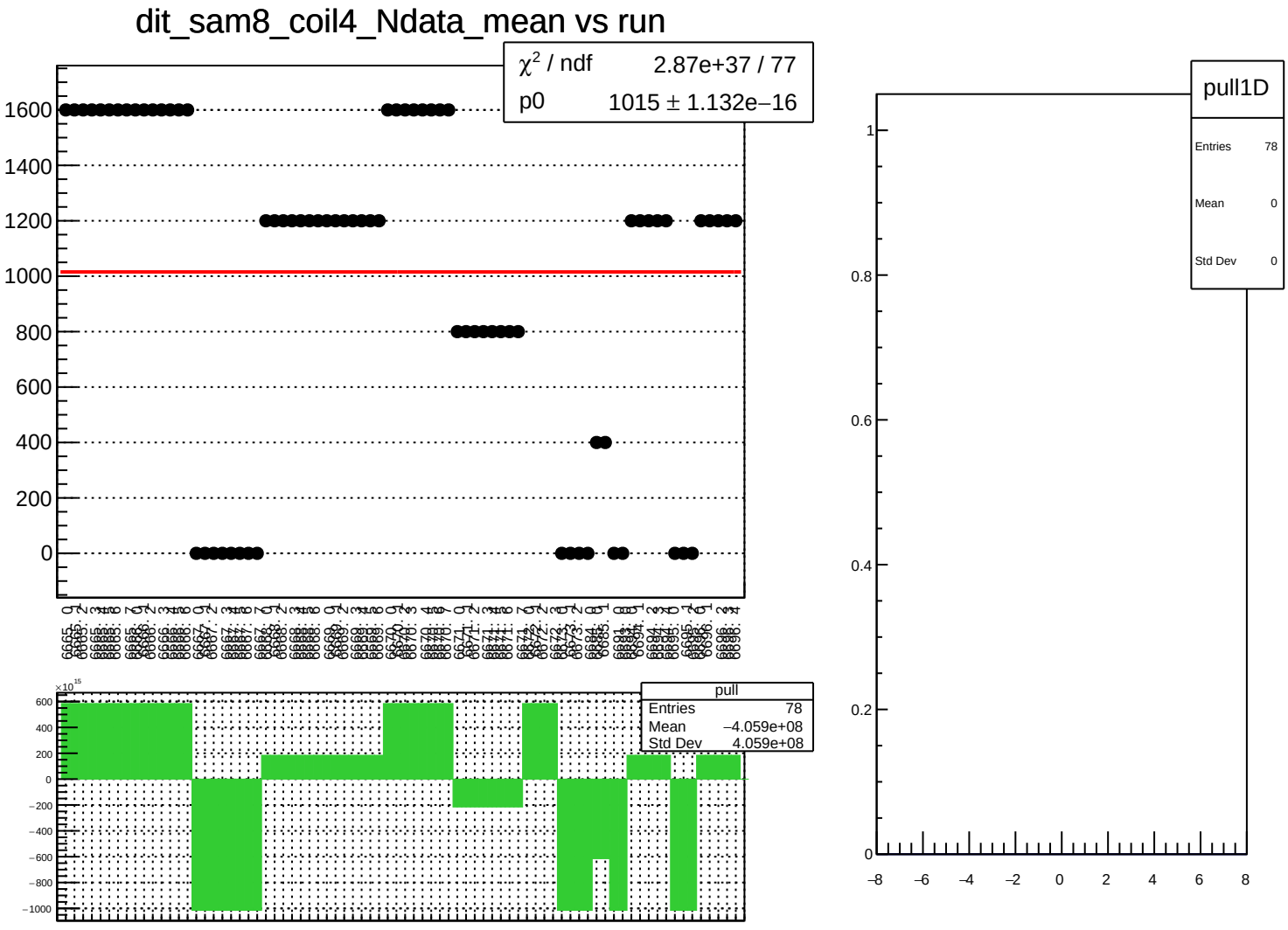



dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

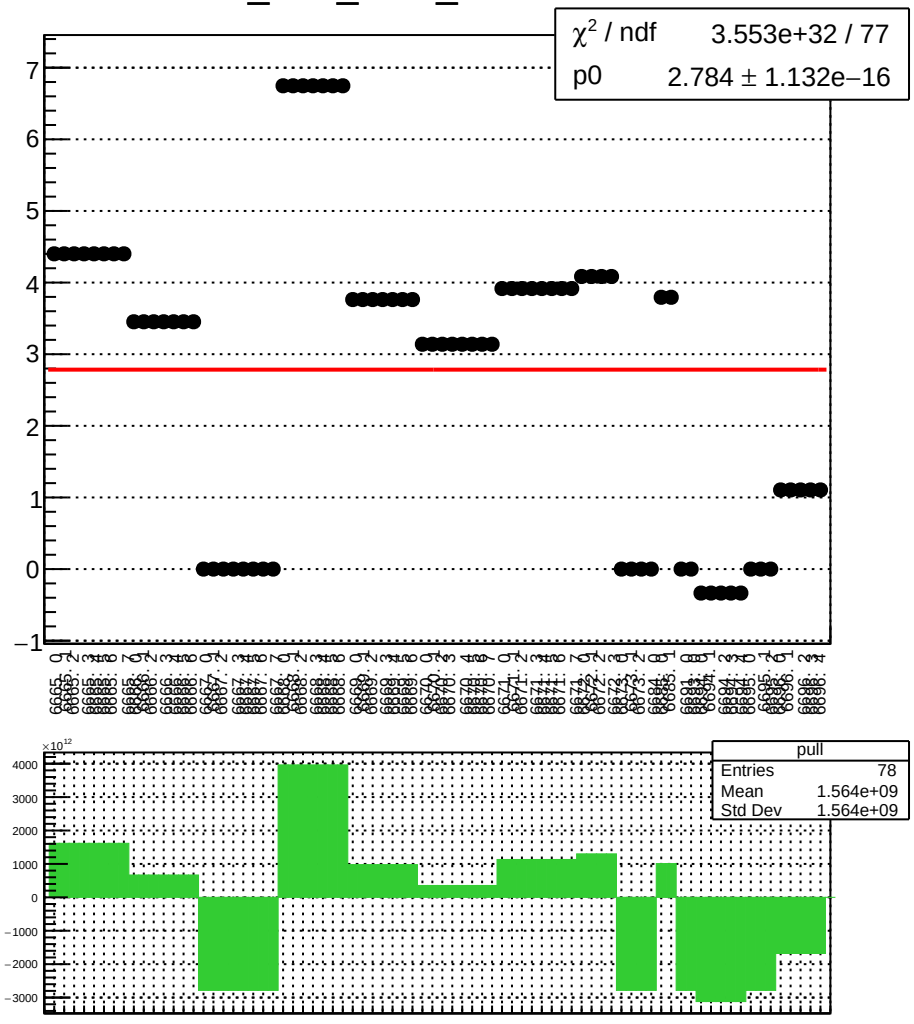

dit_sam8_coil4_mean vs run
χ^2 / ndf 1.712e+37 / 77
p0 828.5 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −6.77e+08
Std Dev 6.77e+08
400
200
0
−200
−400
−600
−800

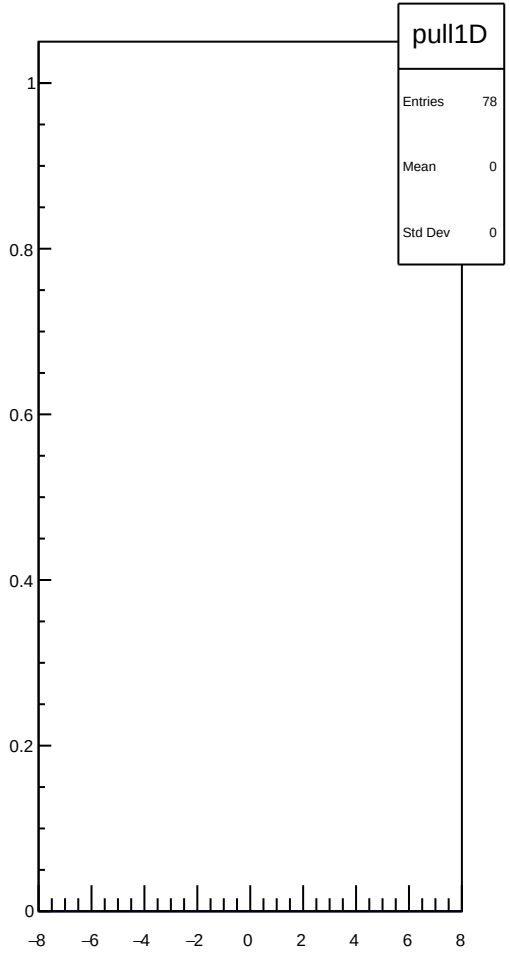

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil4_err_mean vs run
χ² / ndf 2.79e+35 / 77
p0 102.2 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean −6.627e+07
Std Dev 6.627e+07
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

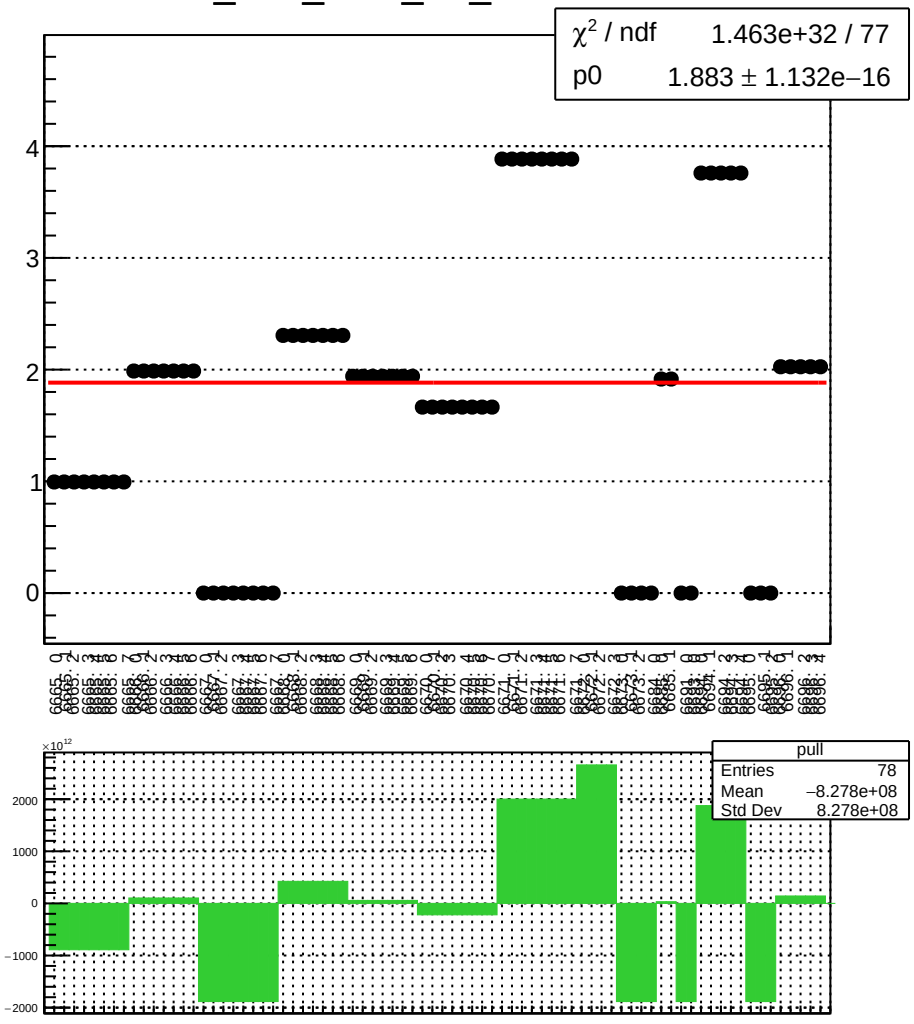

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.87e+37 / 77
p0 1015 ± 1.132e−16
pull
Entries 78
Mean −4.059e+08
Std Dev 4.059e+08
pull1D
Entries 78
Mean 0
Std Dev 0

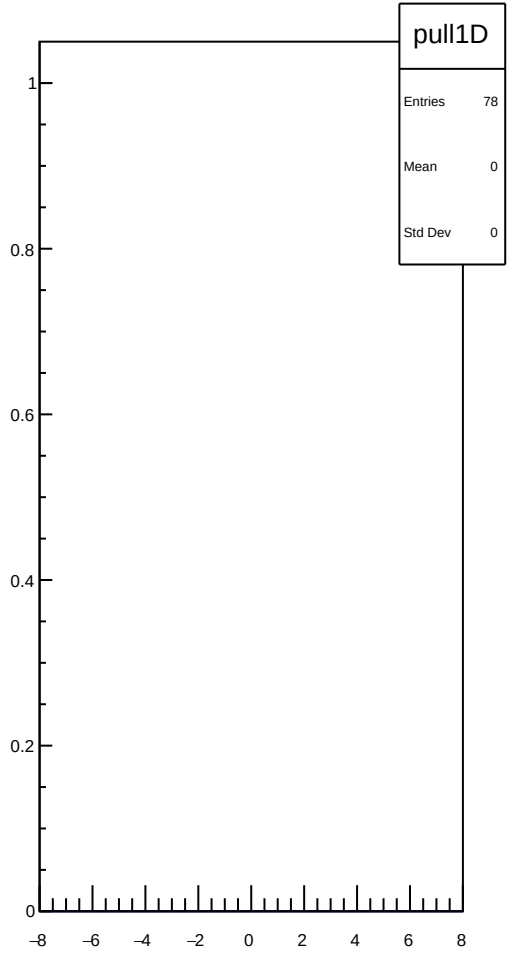
dit_4aX_coil6_mean vs run



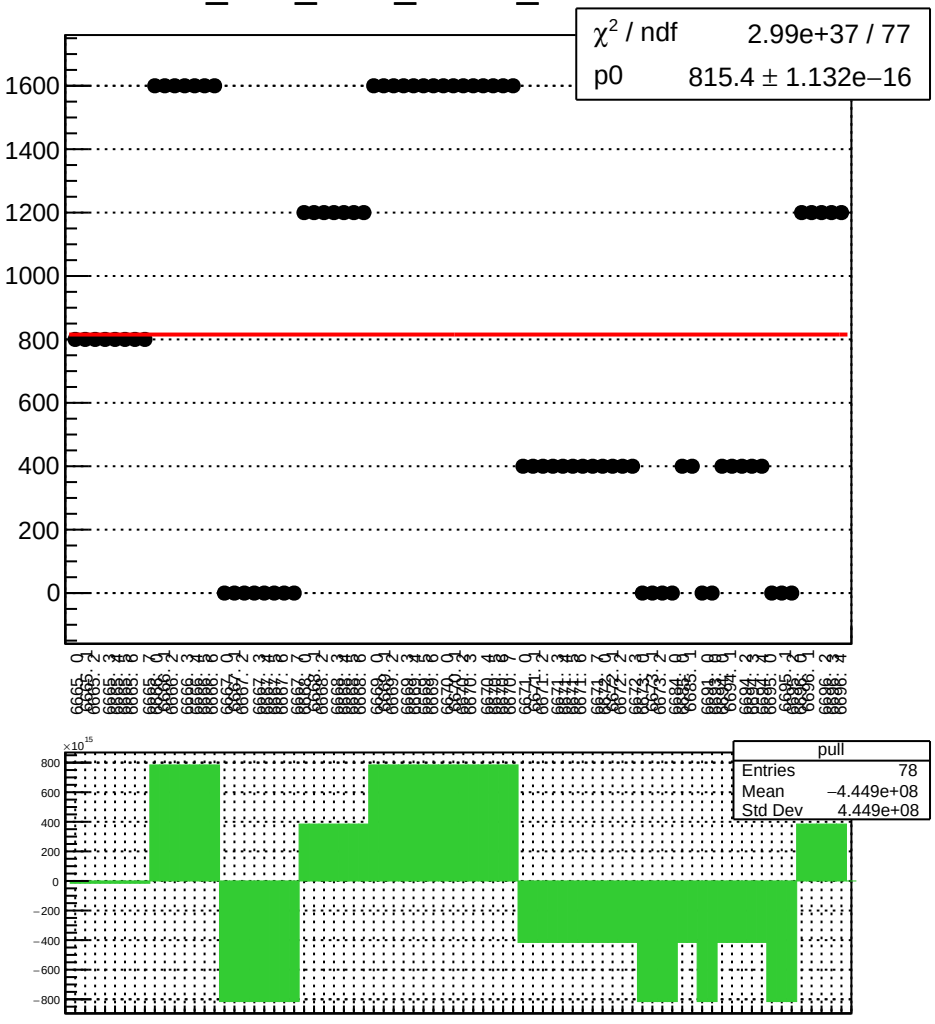


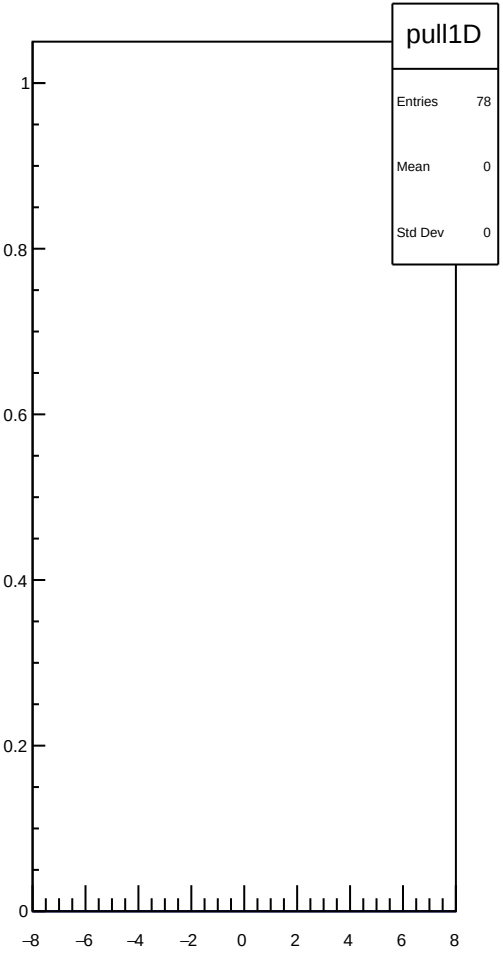
dit_4aX_coil6_err_mean vs run



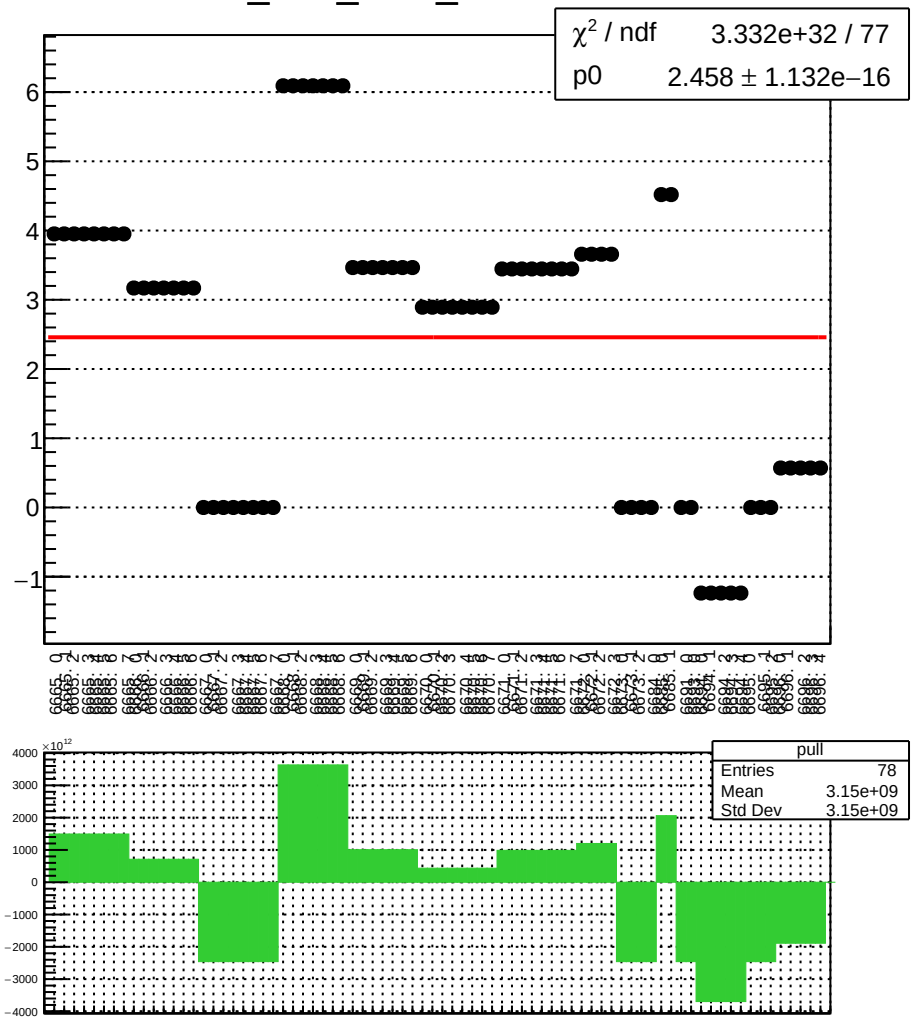


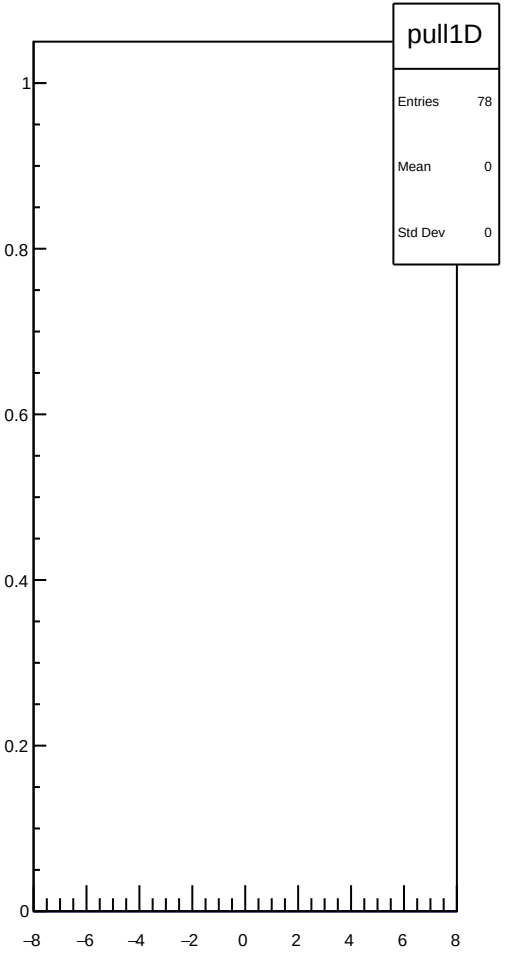
dit_4aX_coil6_Ndata_mean vs run



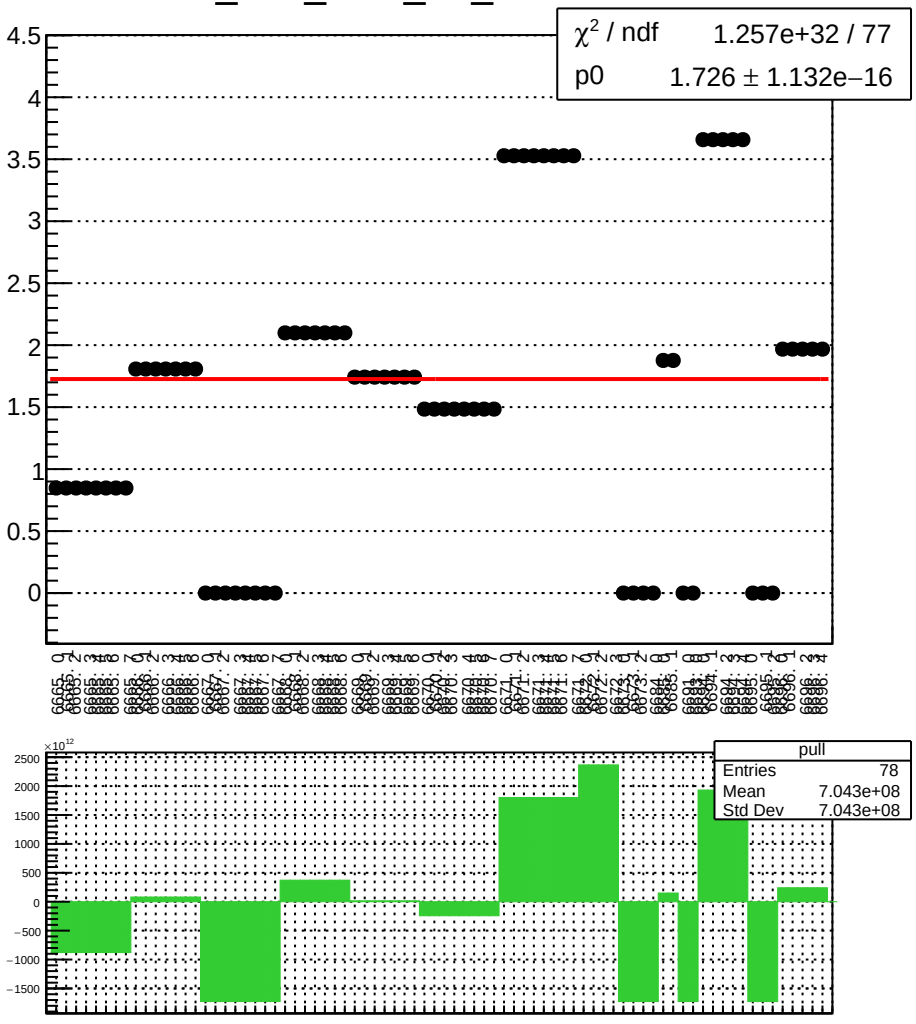


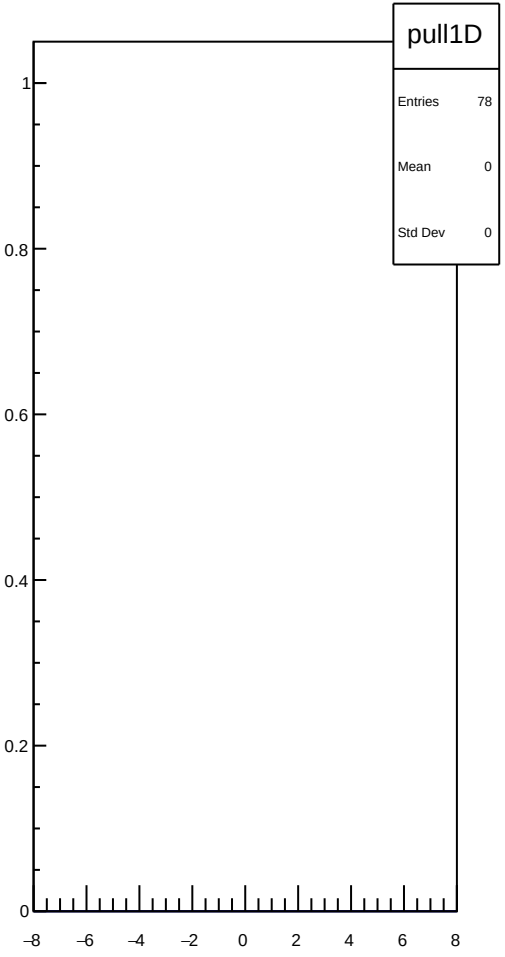
dit_4eX_coil6_mean vs run



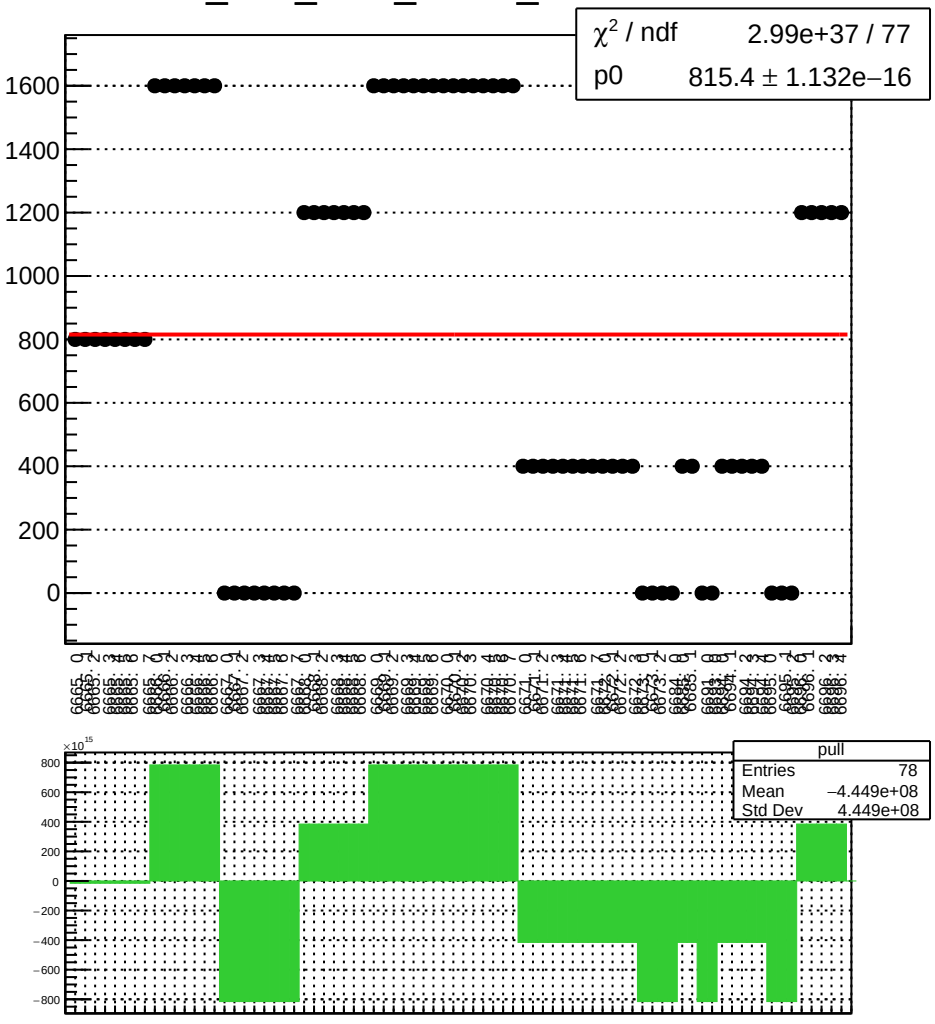


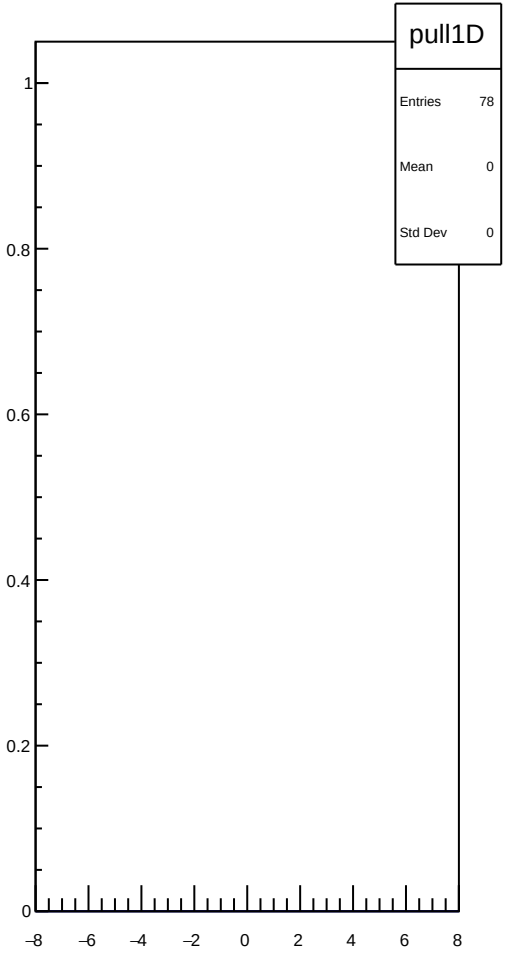
dit_4eX_coil6_err_mean vs run

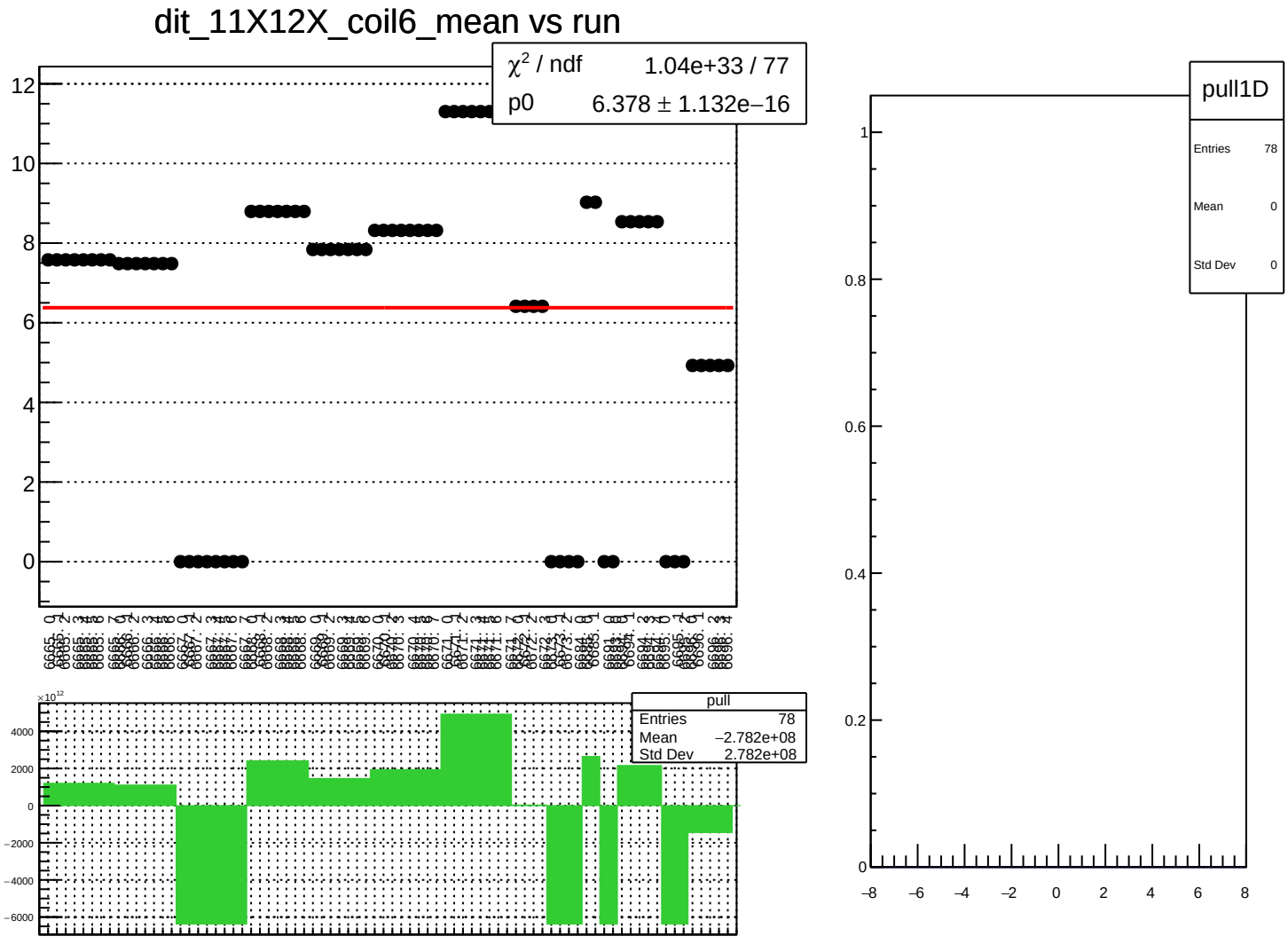




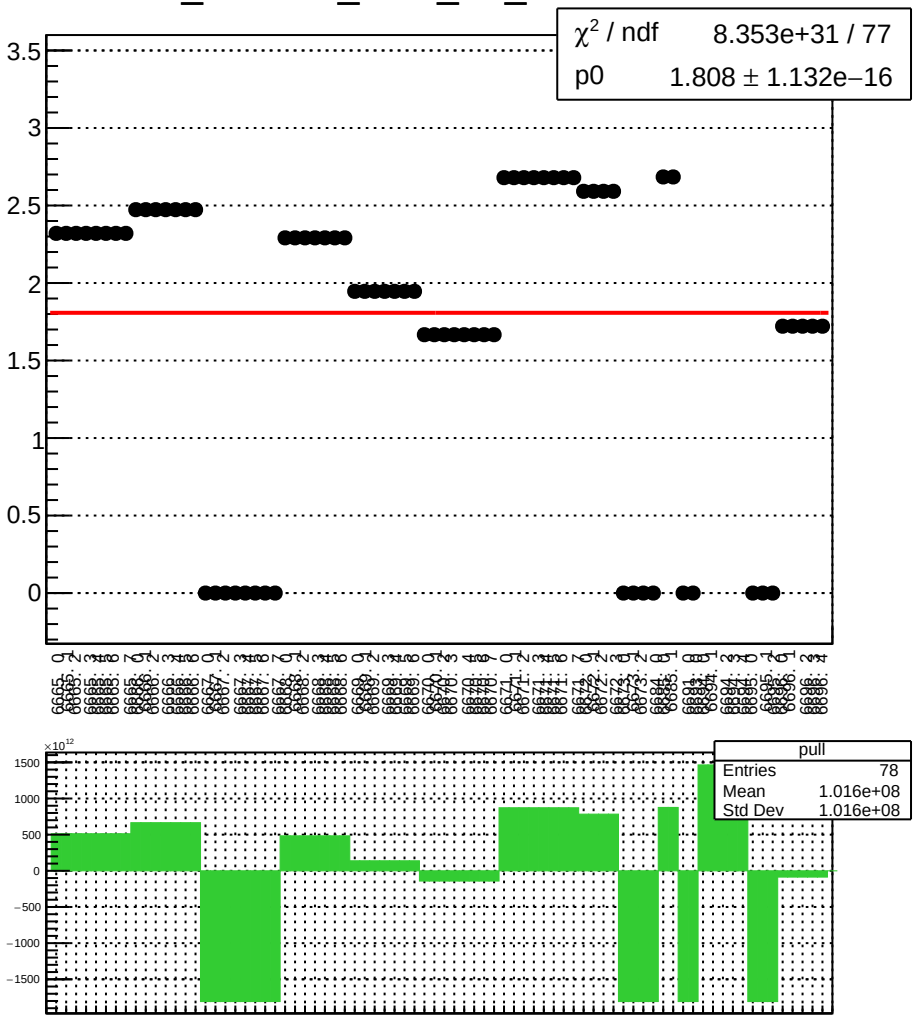
dit_4eX_coil6_Ndata_mean vs run

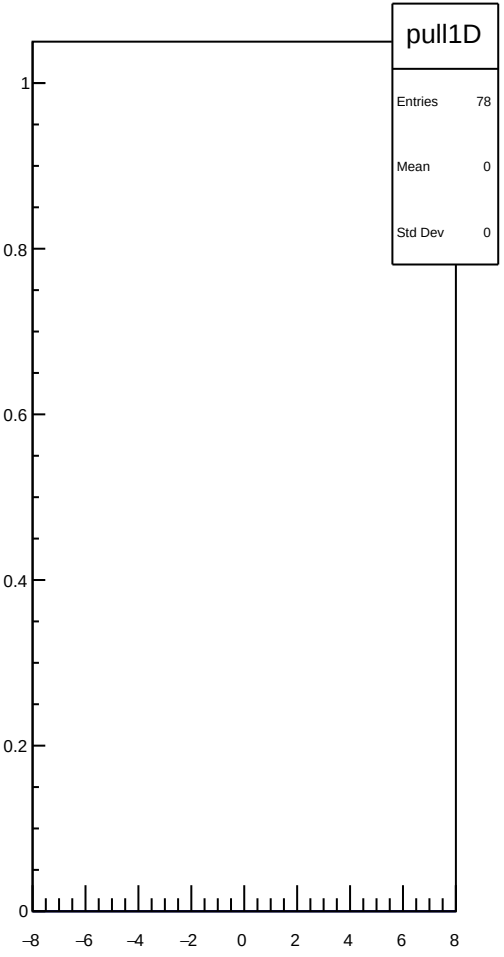




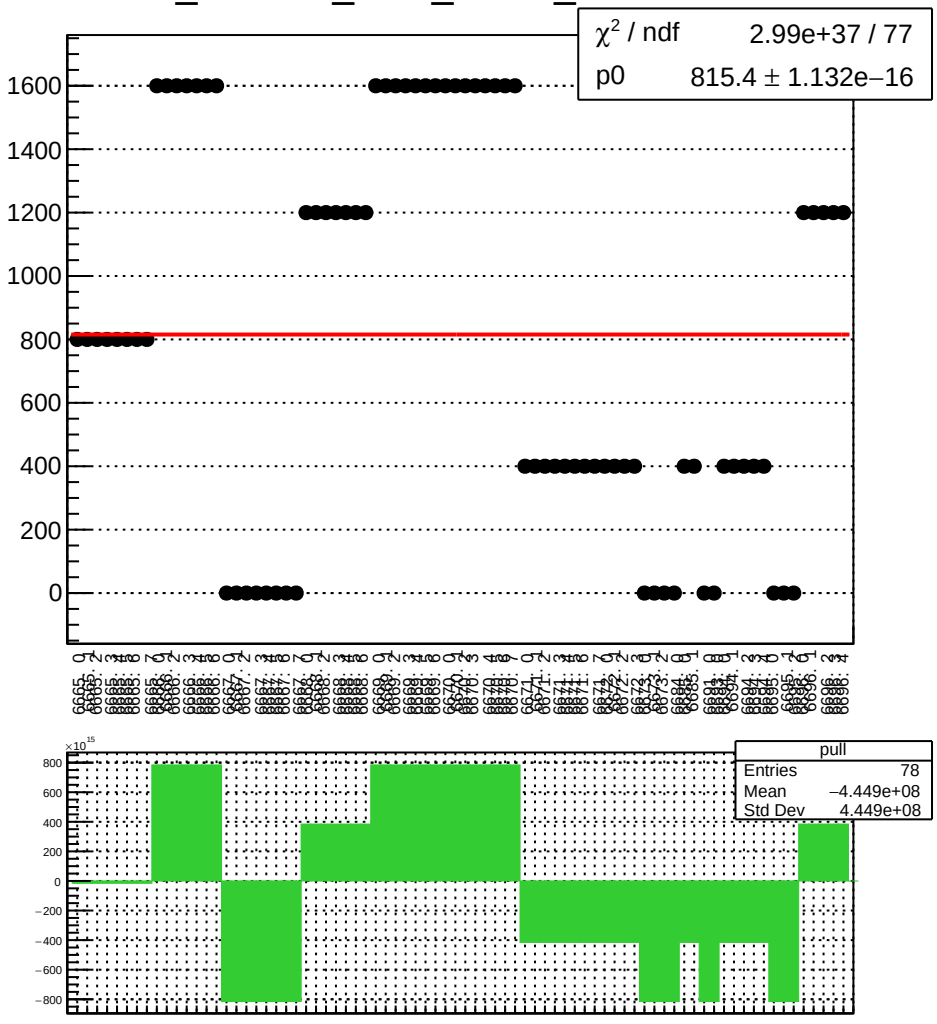

dit_11X12X_coil6_mean vs run
χ² / ndf 1.04e+33 / 77
p0 6.378 ± 1.132e−16
pull
Entries 78
Mean −2.782e+08
Std Dev 2.782e+08
pull1D
Entries 78
Mean 0
Std Dev 0

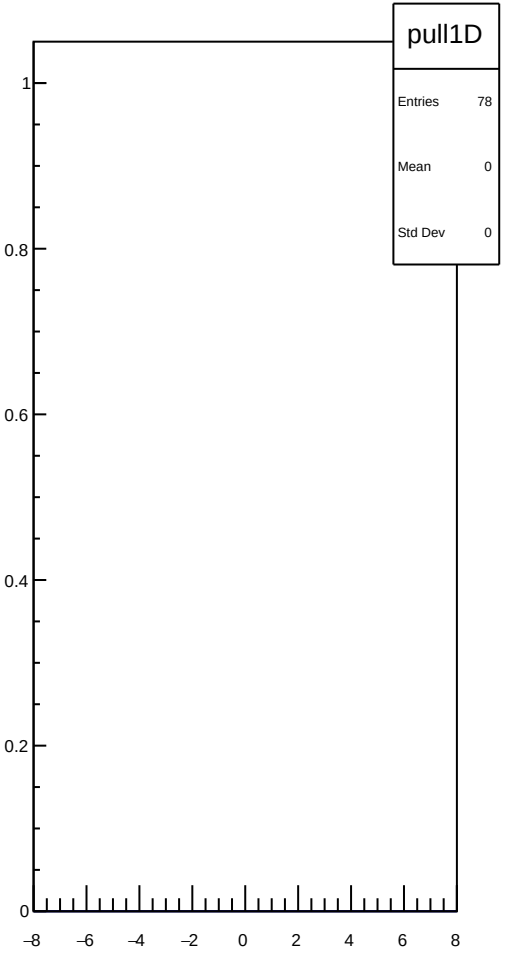
dit_11X12X_coil6_err_mean vs run

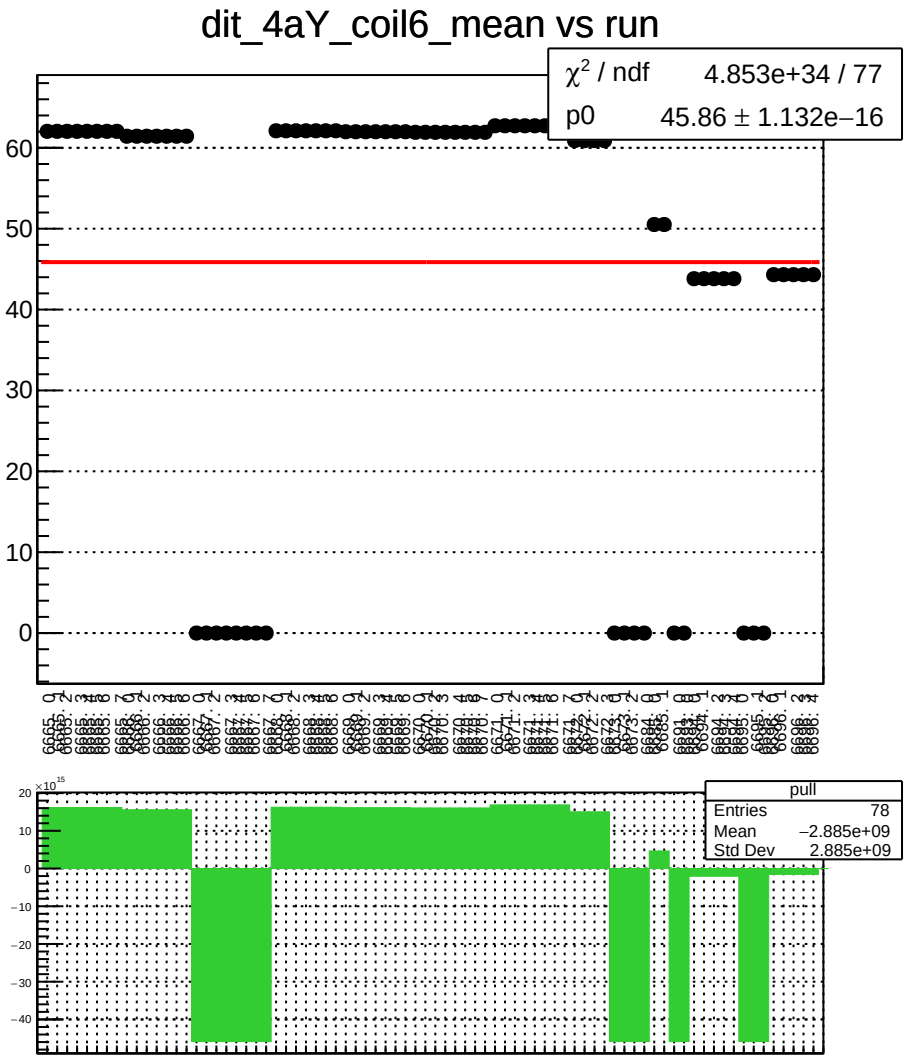


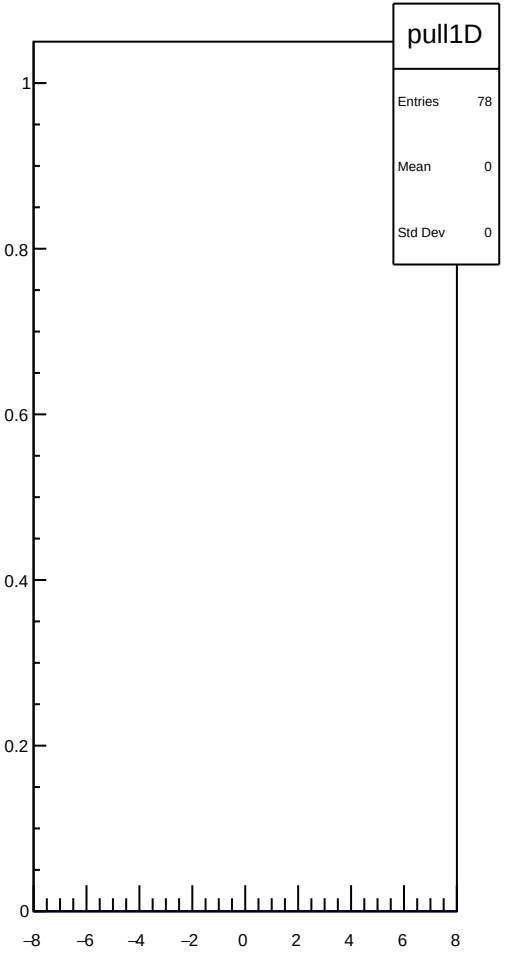


dit_11X12X_coil6_Ndata_mean vs run

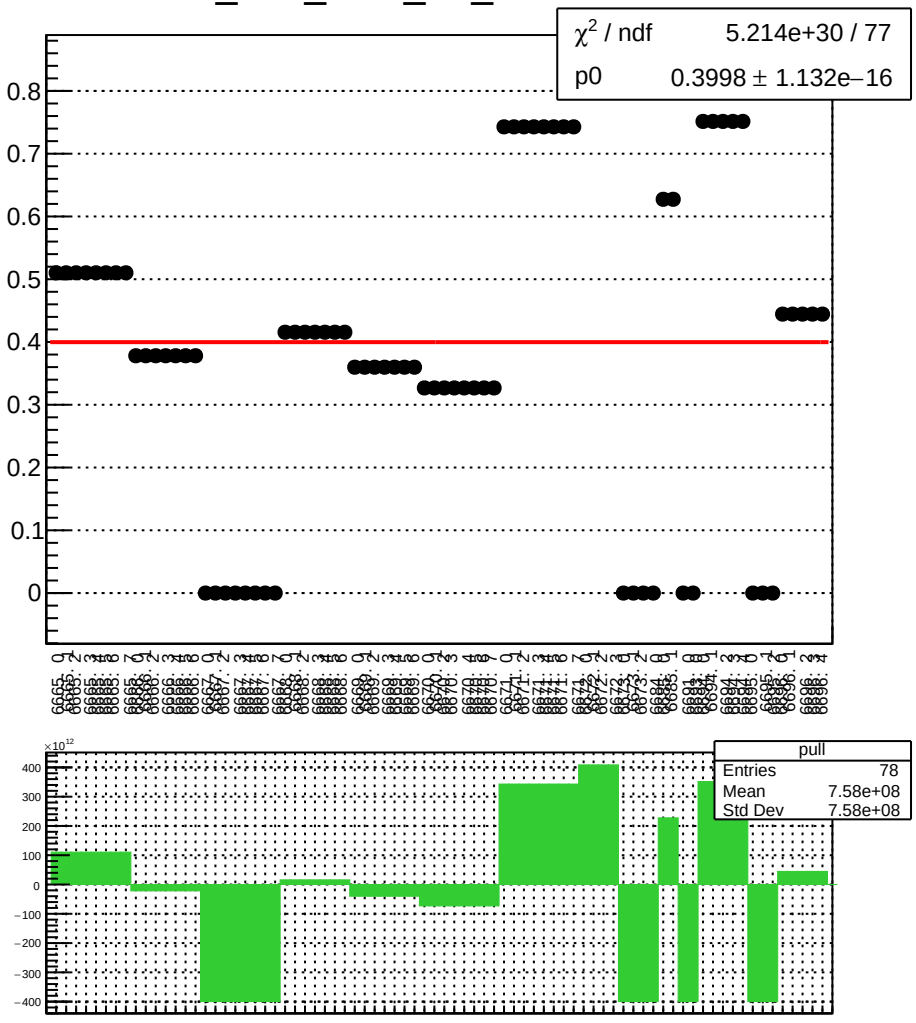


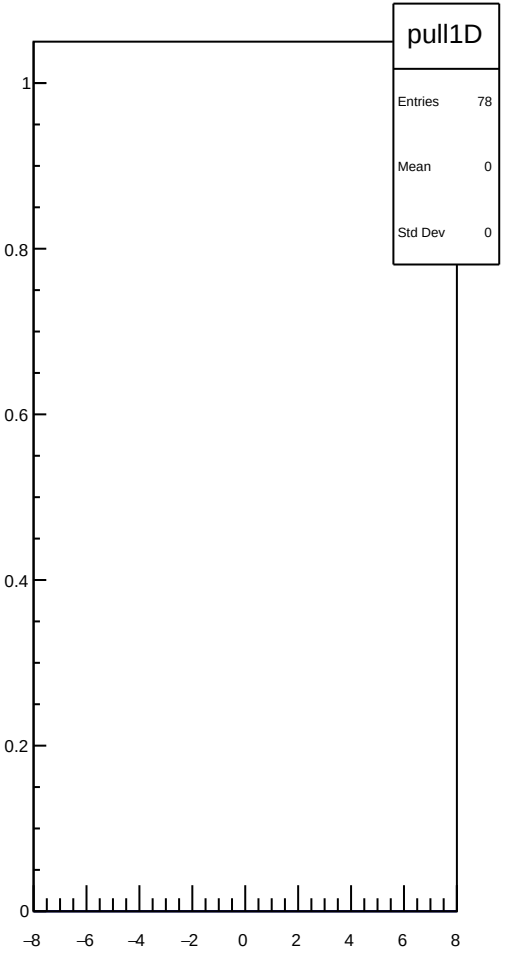



dit_4aY_coil6_mean vs run
χ^2 / ndf 4.853e+34 / 77
p0 45.86 ± 1.132e−16
pull
Entries 78
Mean −2.885e+09
Std Dev 2.885e+09

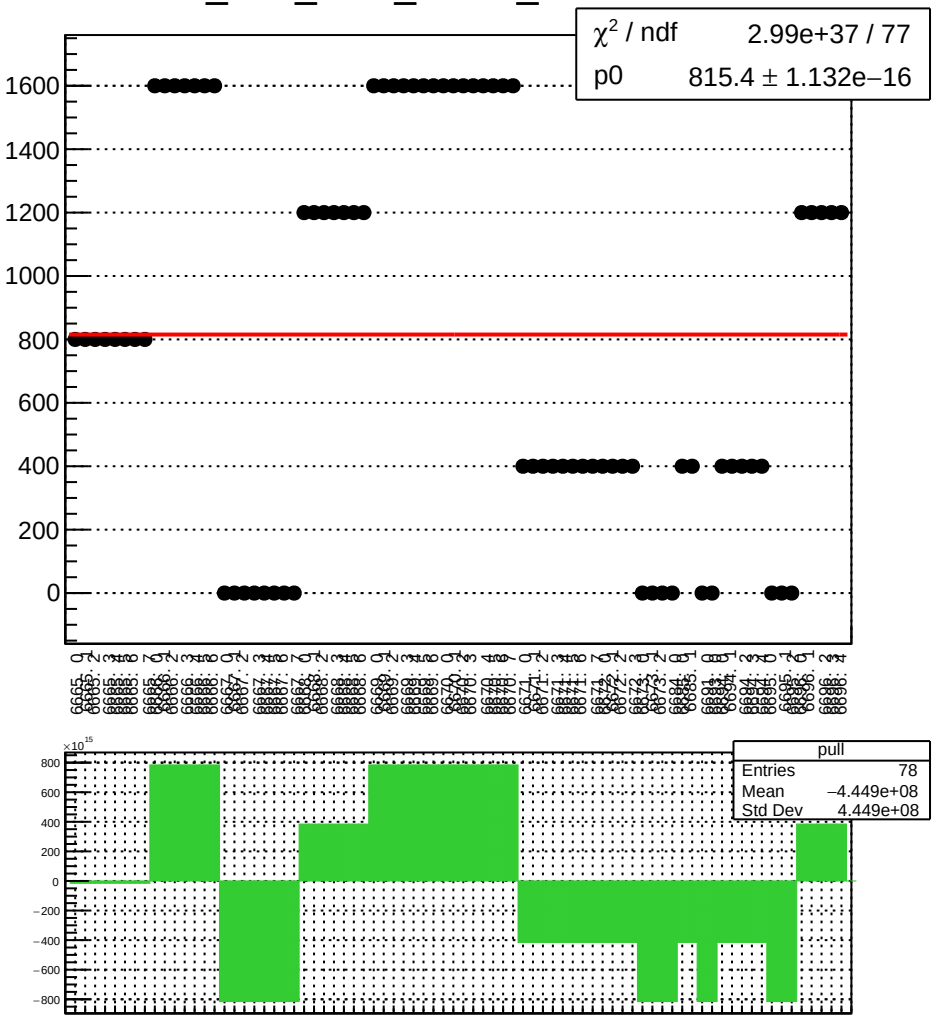

pull1D
Entries 78
Mean 0
Std Dev 0

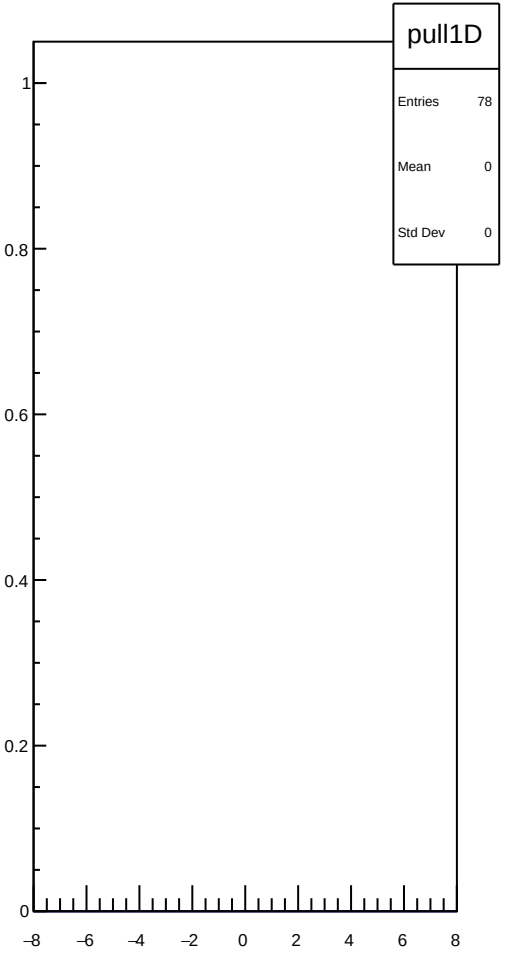
dit_4aY_coil6_err_mean vs run

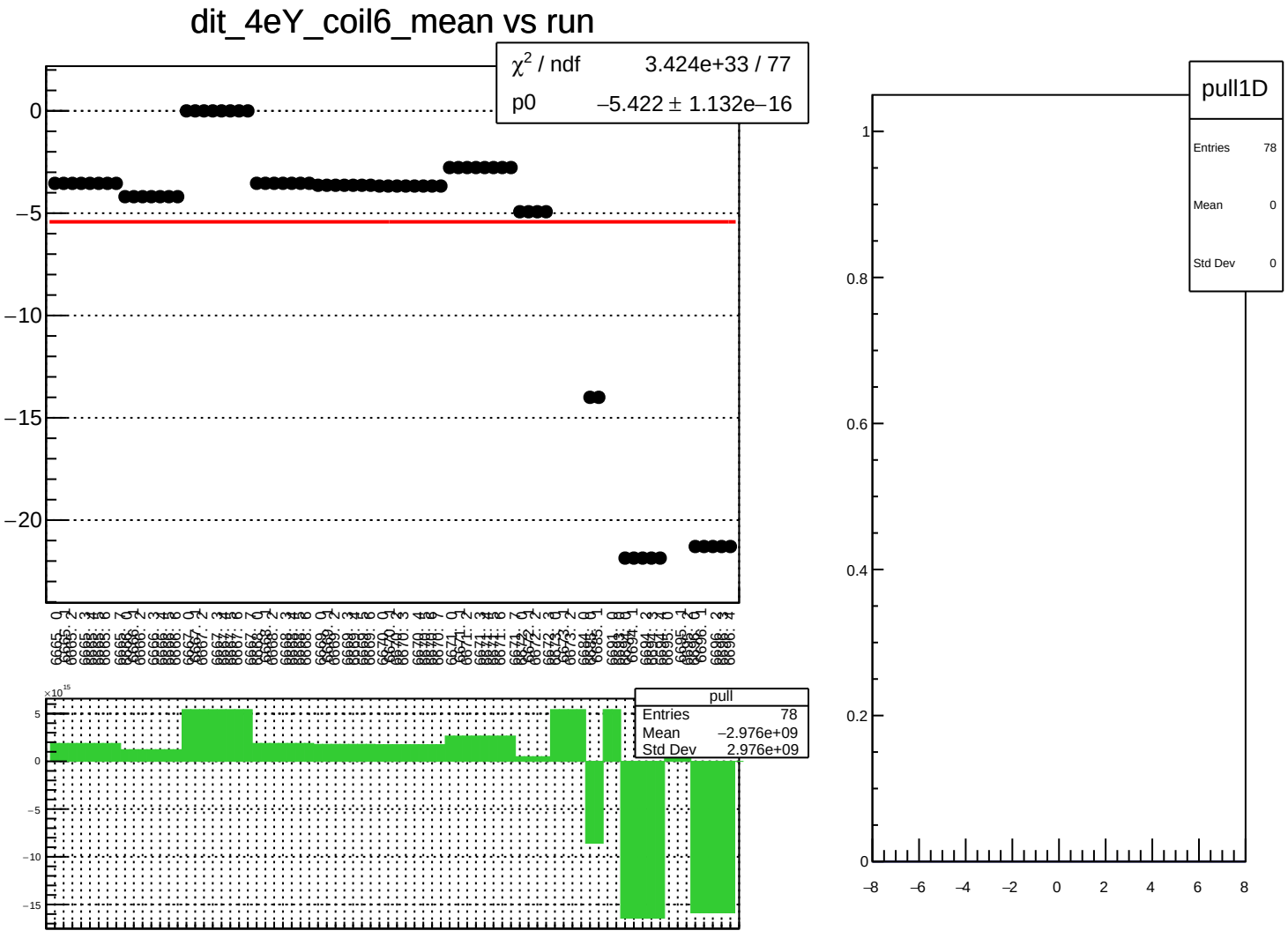




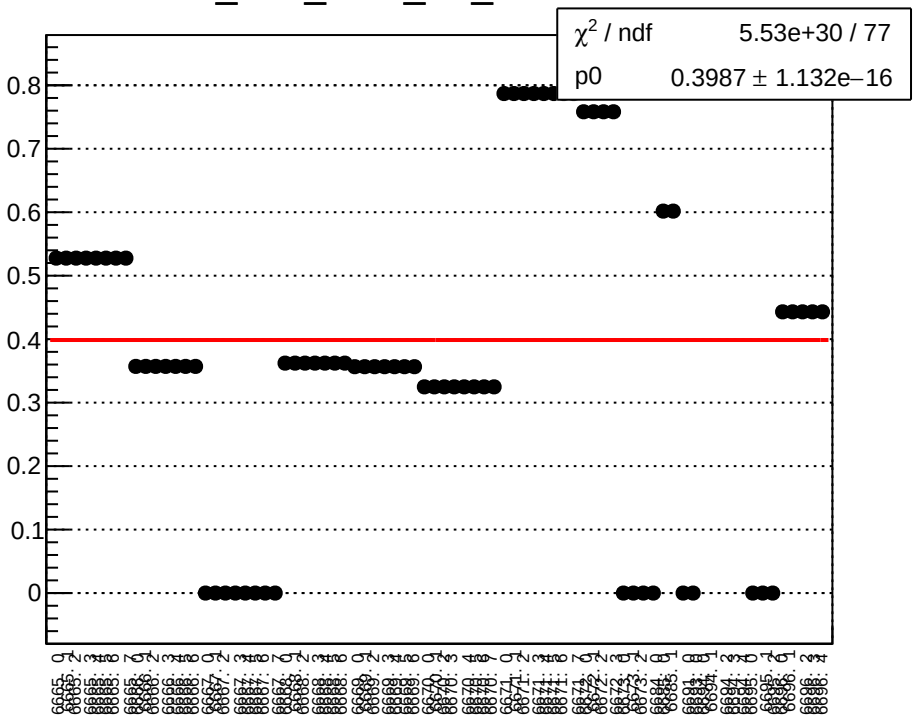
dit_4aY_coil6_Ndata_mean vs run

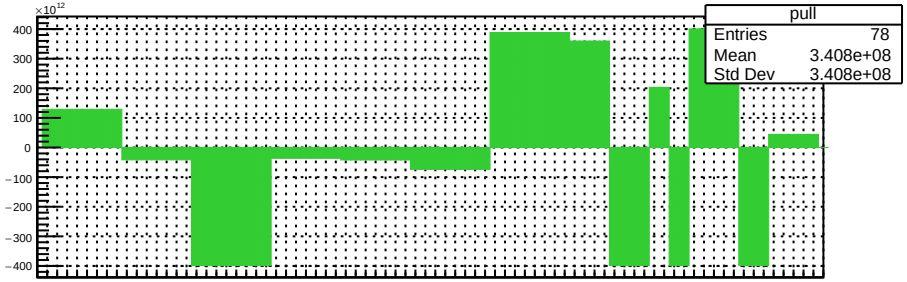


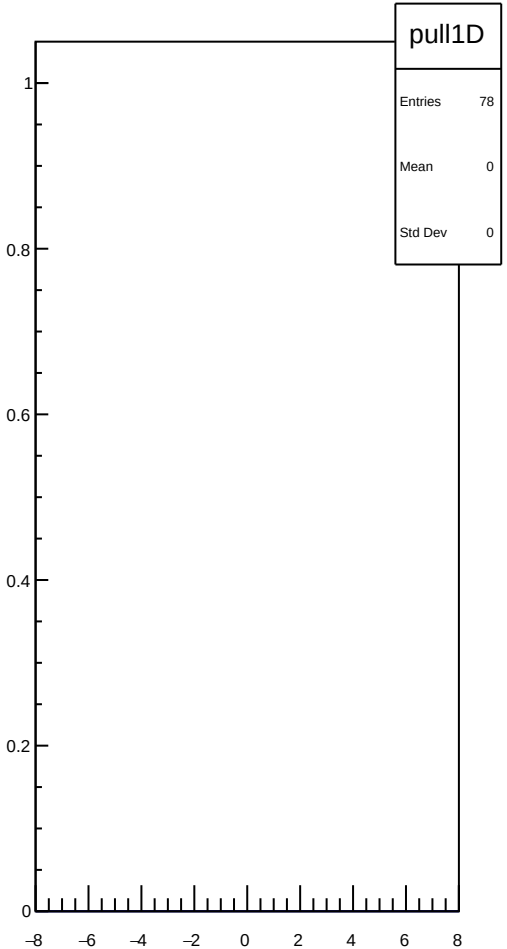



dit_4eY_coil6_mean vs run
χ^2 / ndf 3.424e+33 / 77
p0 −5.422 ± 1.132e−16
0
−5
−10
−15
−20
pull
Entries 78
Mean −2.976e+09
Std Dev 2.976e+09
×10^15
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

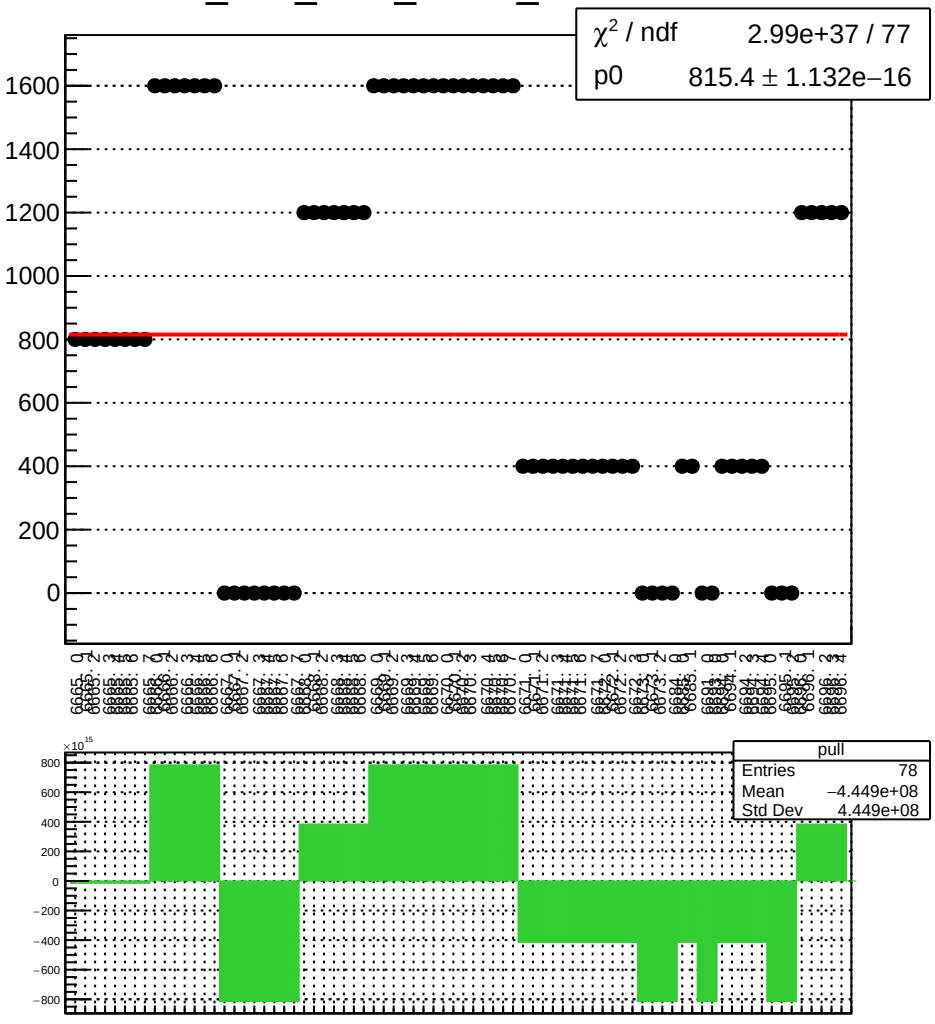
dit_4eY_coil6_err_mean vs run

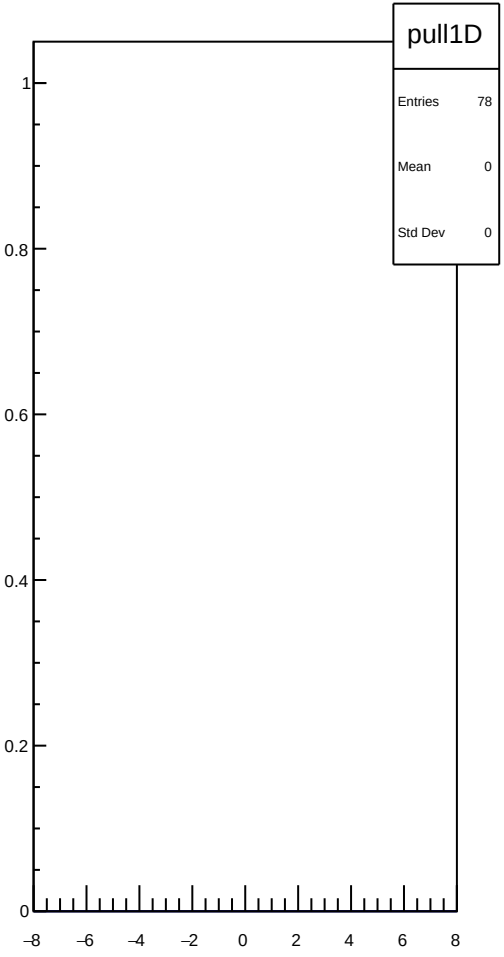


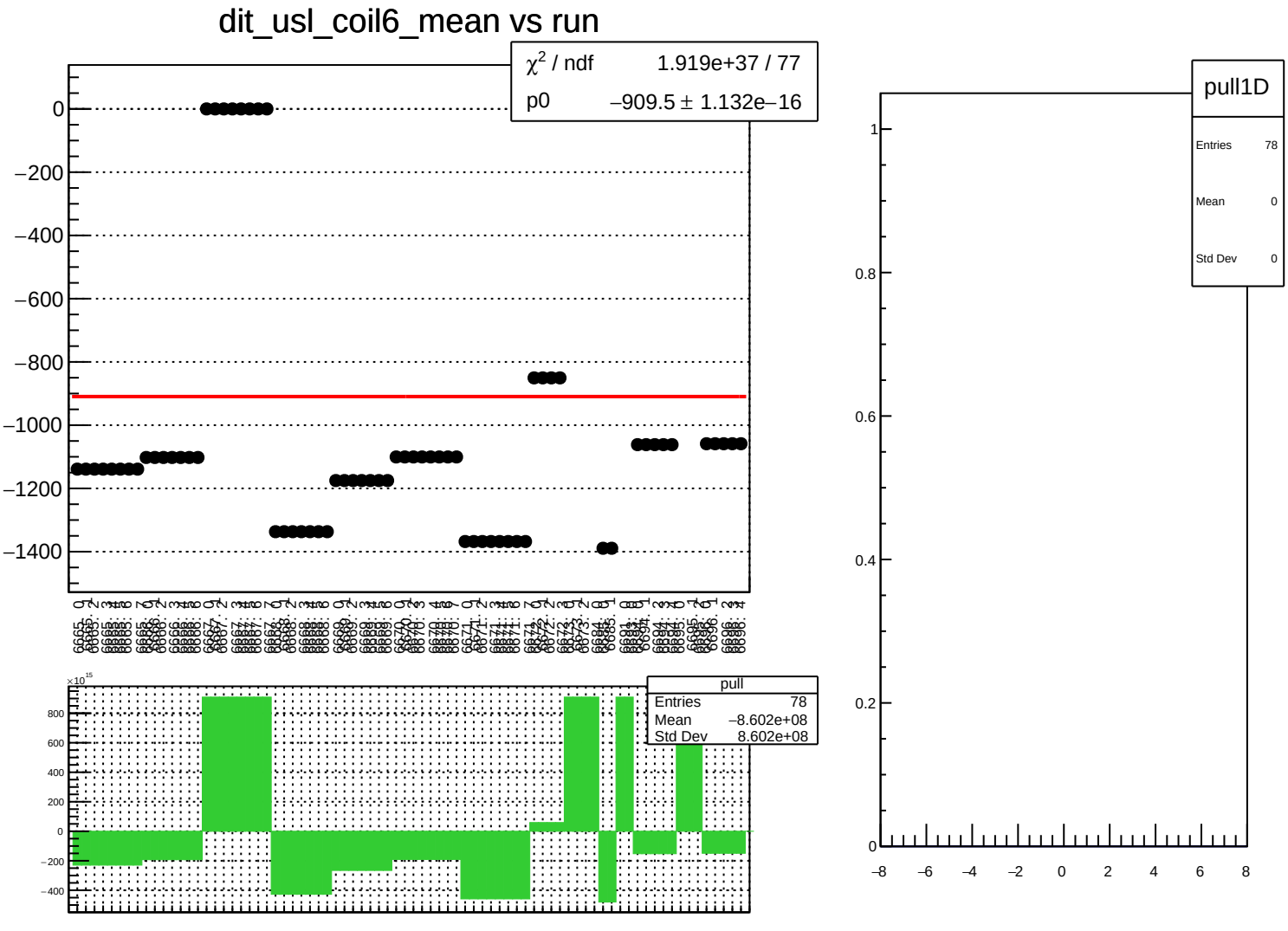


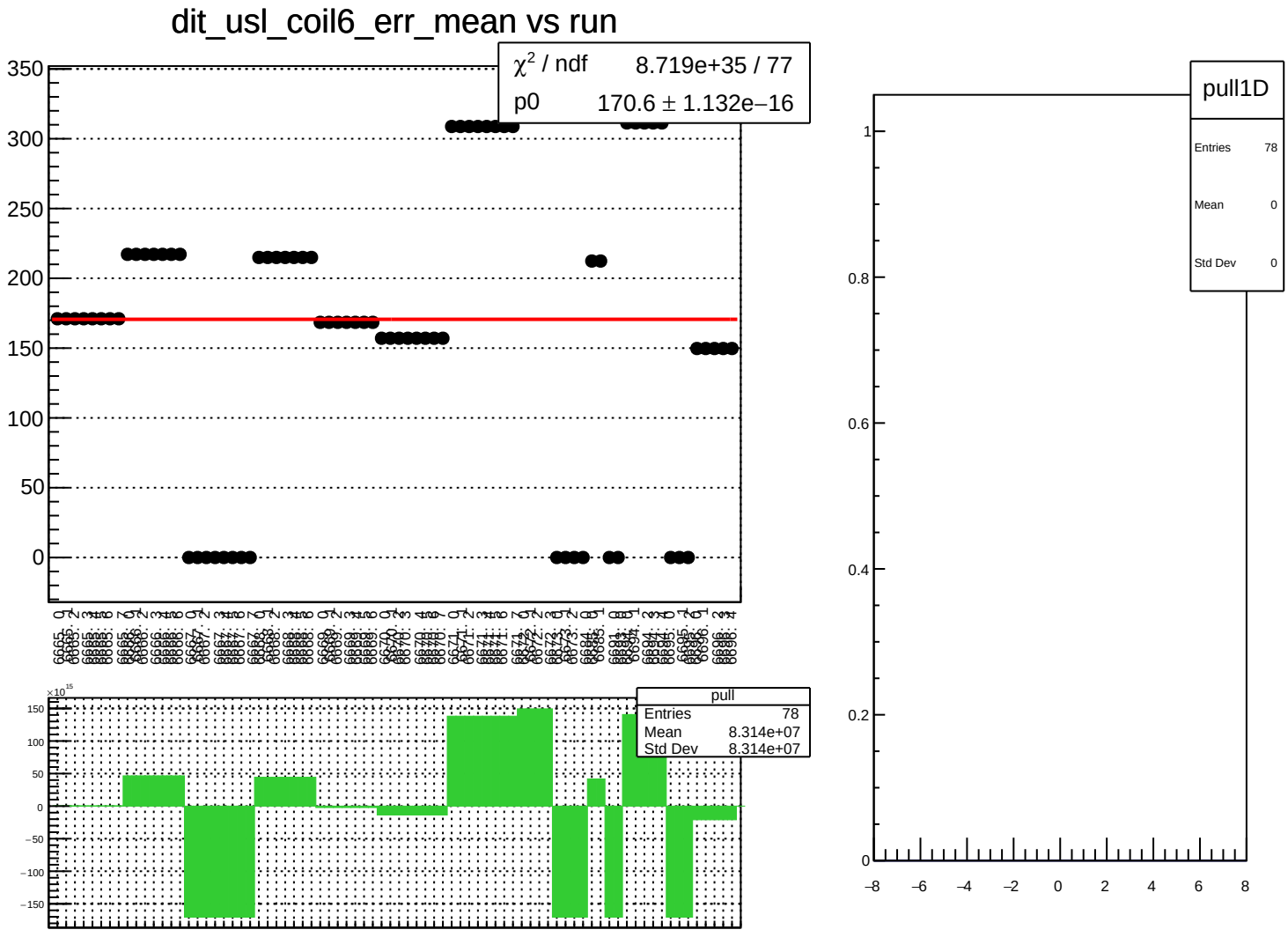


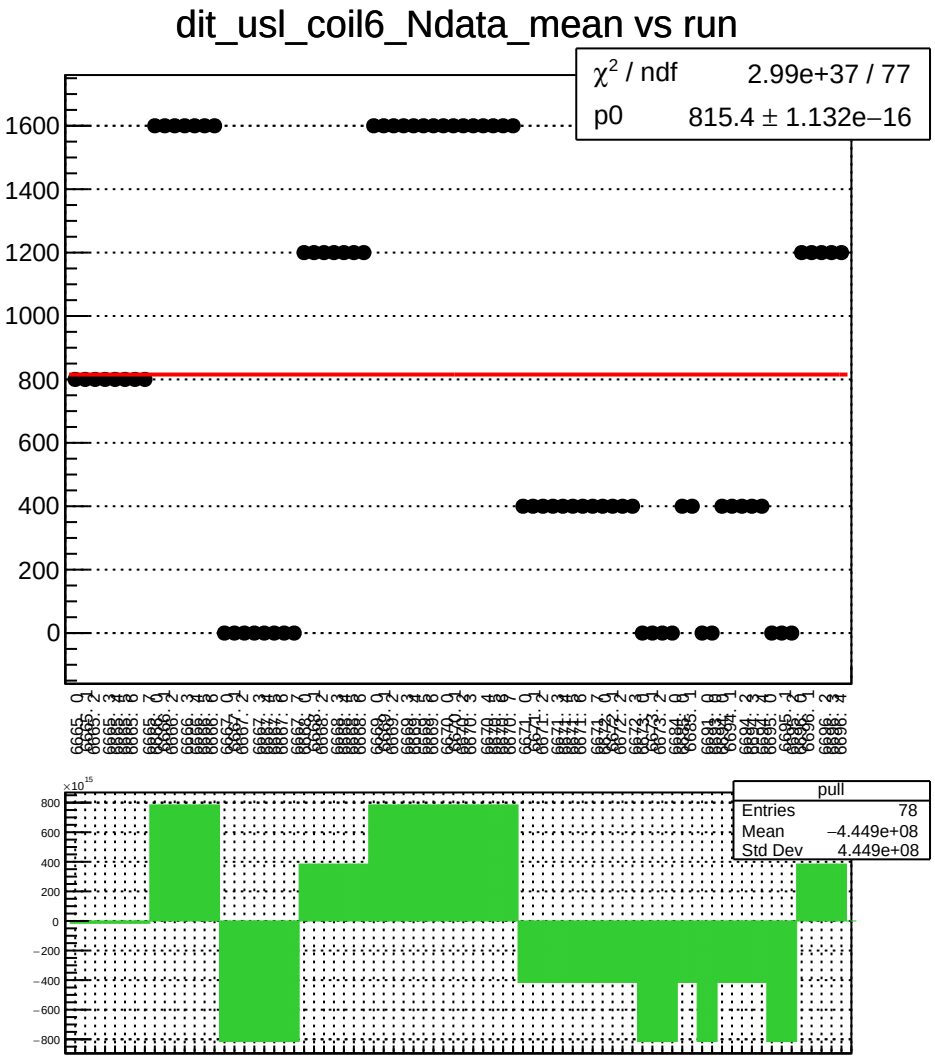
dit_4eY_coil6_Ndata_mean vs run

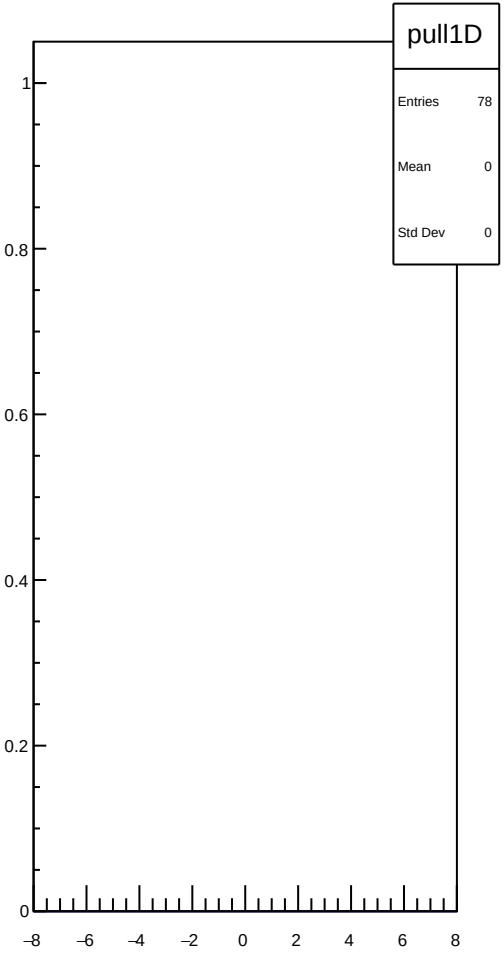


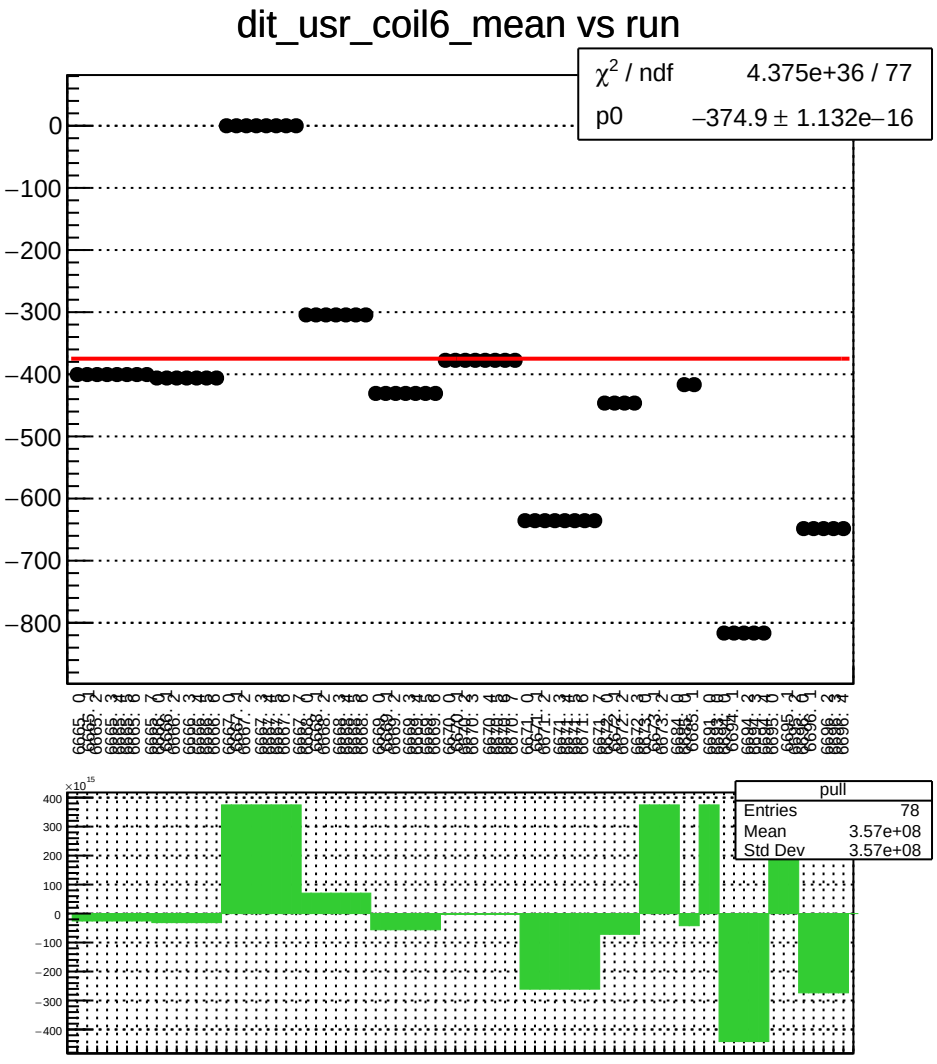


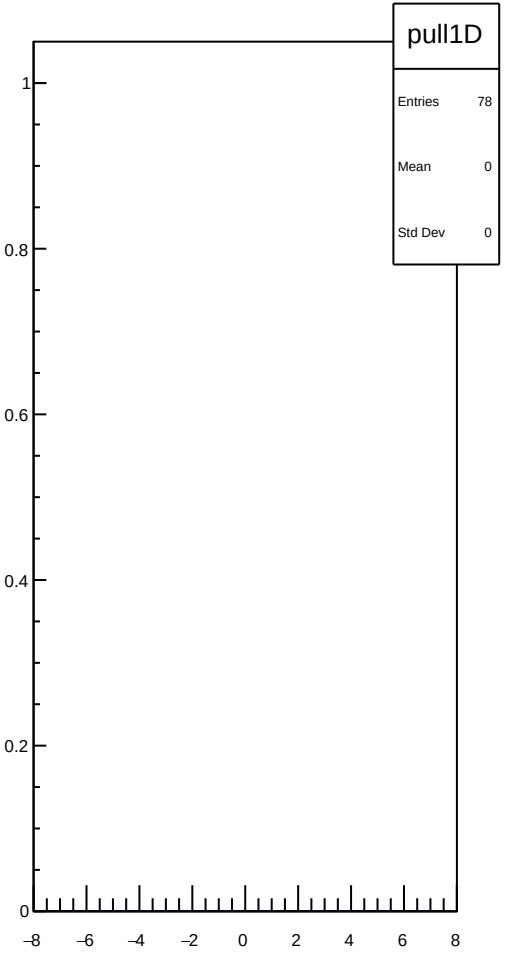

dit_usl_coil6_mean vs run
χ² / ndf 1.919e+37 / 77
p0 −909.5 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 78
Mean −8.602e+08
Std Dev 8.602e+08
×10¹⁵
800
600
400
200
0
−200
−400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

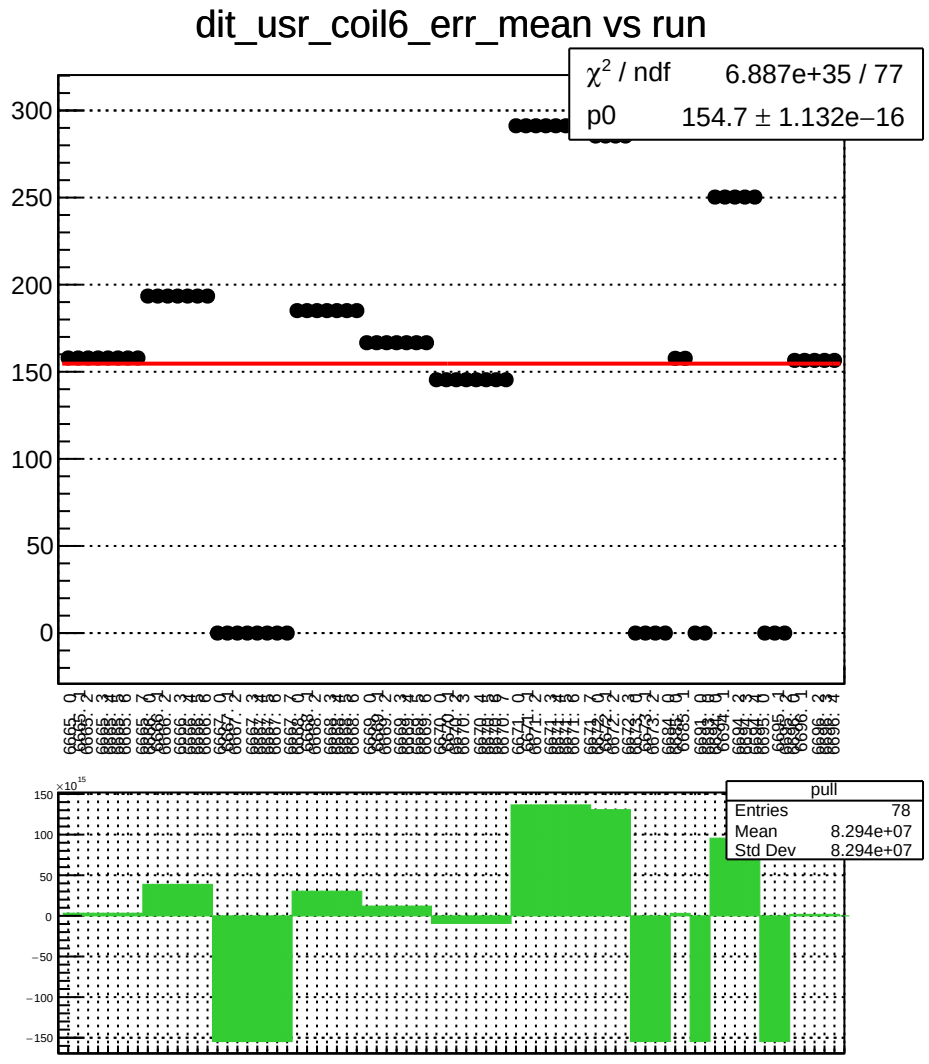

dit_usl_coil6_err_mean vs run
χ² / ndf 8.719e+35 / 77
p0 170.6 ± 1.132e−16
pull
Entries 78
Mean 8.314e+07
Std Dev 8.314e+07
pull1D
Entries 78
Mean 0
Std Dev 0

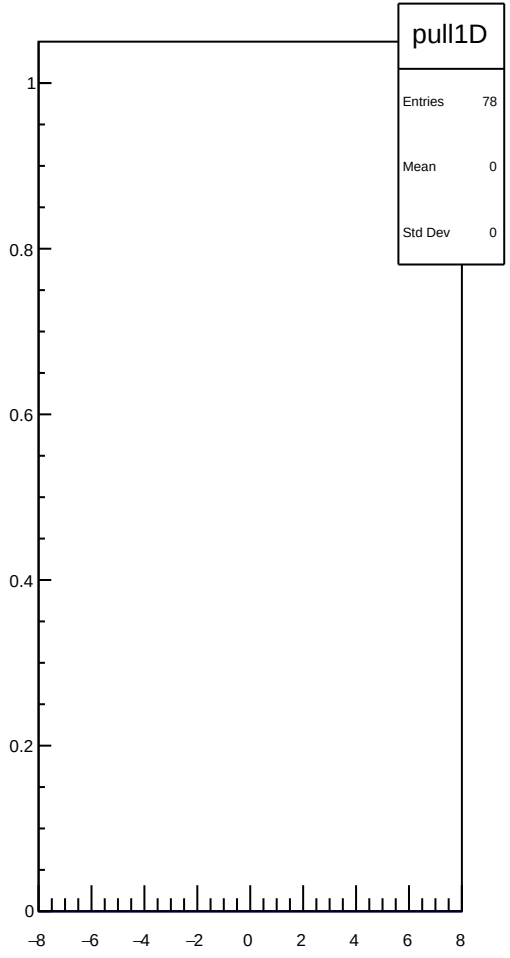

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08

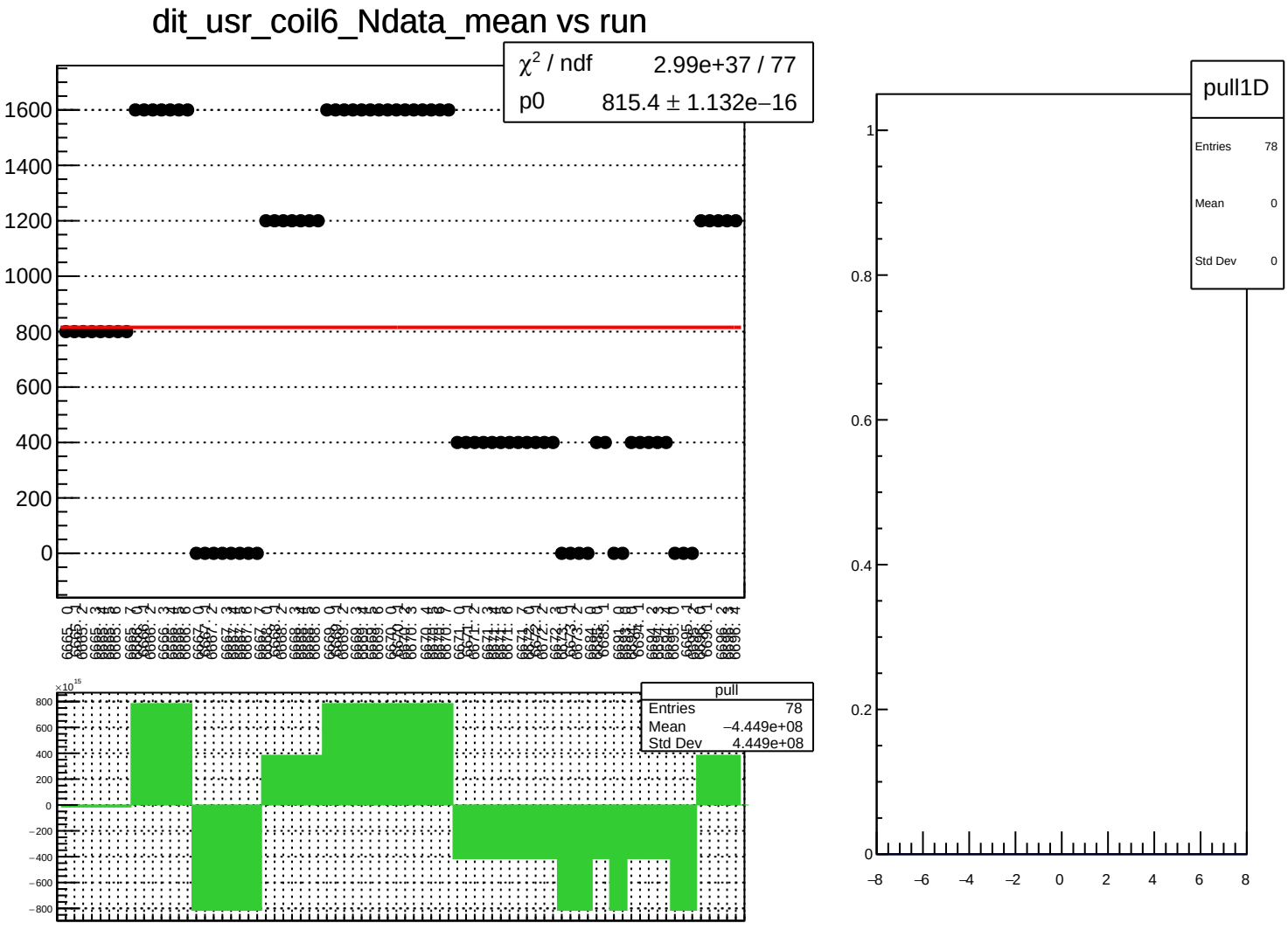

pull1D
Entries 78
Mean 0
Std Dev 0

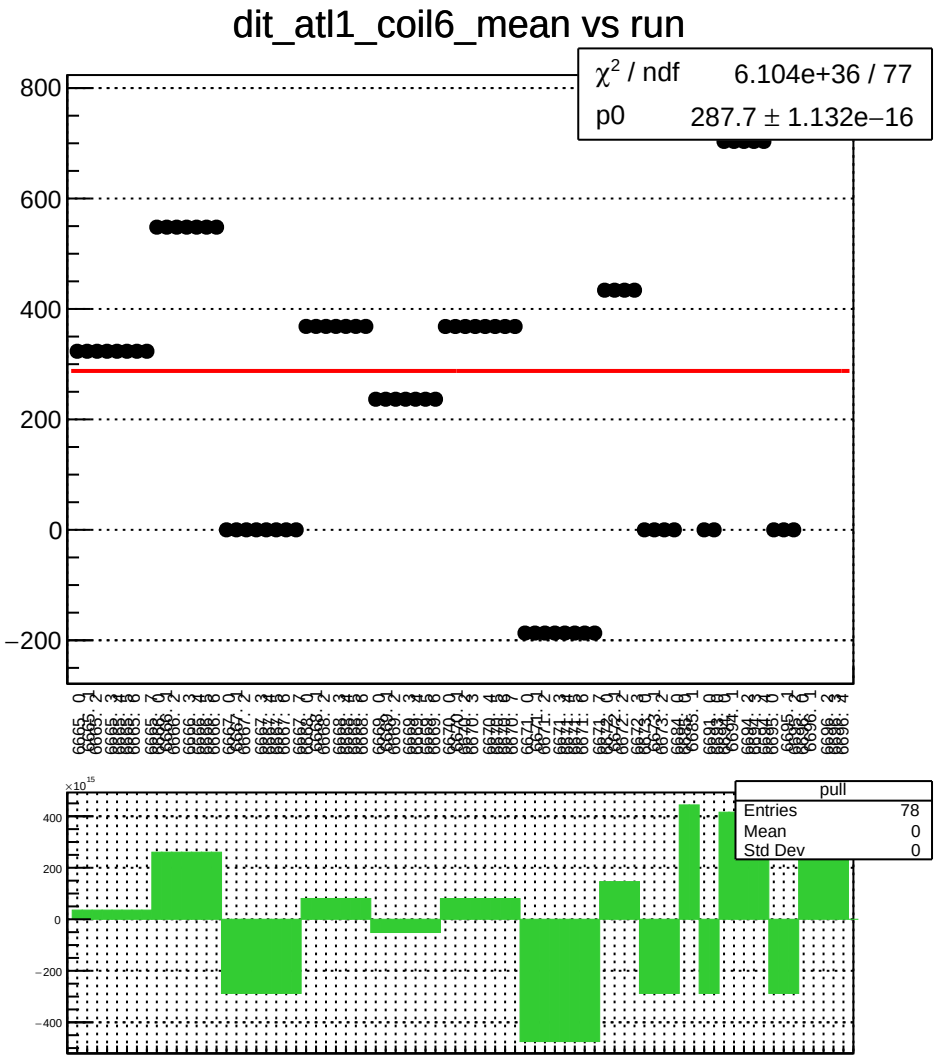

dit_usr_coil6_mean vs run
χ² / ndf 4.375e+36 / 77
p0 −374.9 ± 1.132e−16
pull
Entries 78
Mean 3.57e+08
Std Dev 3.57e+08

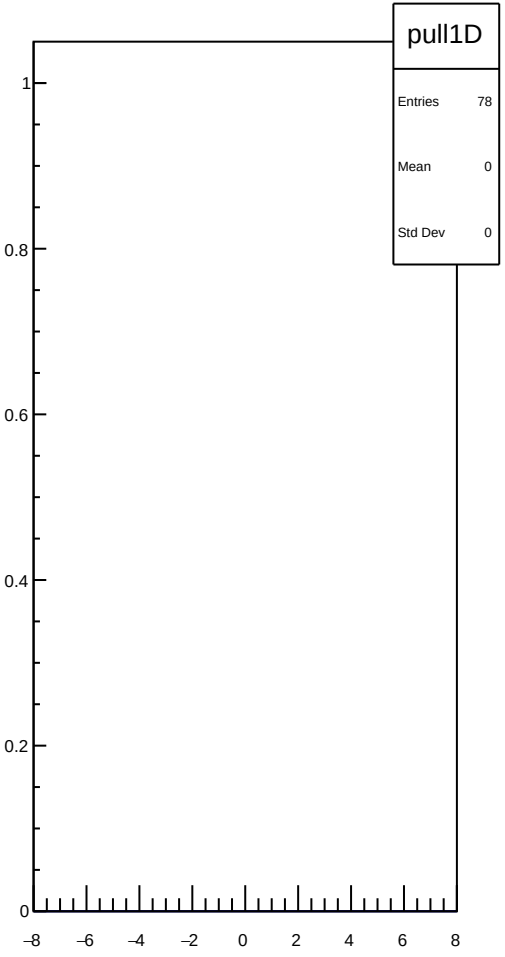

pull1D
Entries 78
Mean 0
Std Dev 0

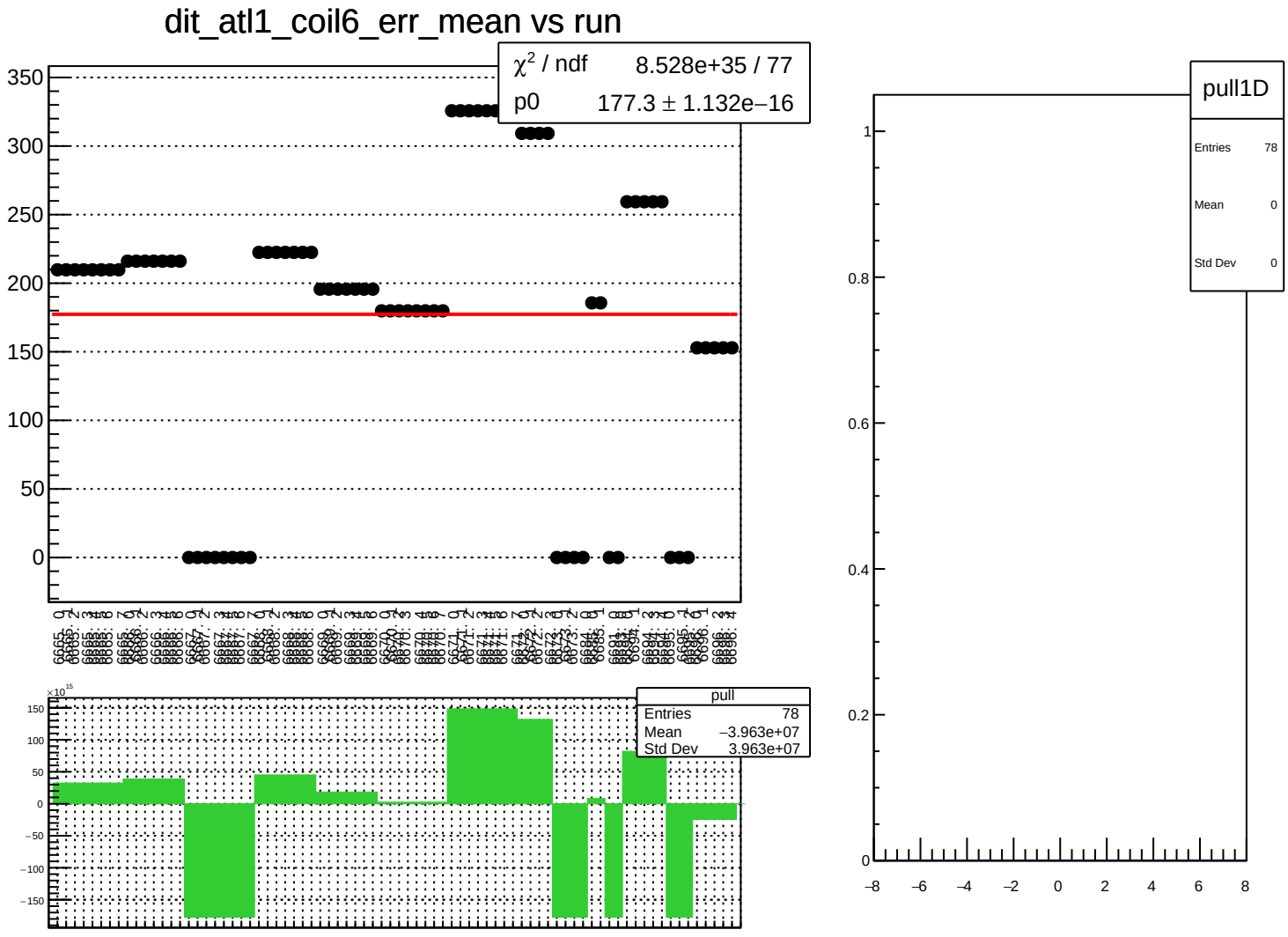

dit_usr_coil6_err_mean vs run
χ² / ndf 6.887e+35 / 77
p0 154.7 ± 1.132e−16
pull
Entries 78
Mean 8.294e+07
Std Dev 8.294e+07


pull1D
Entries 78
Mean 0
Std Dev 0

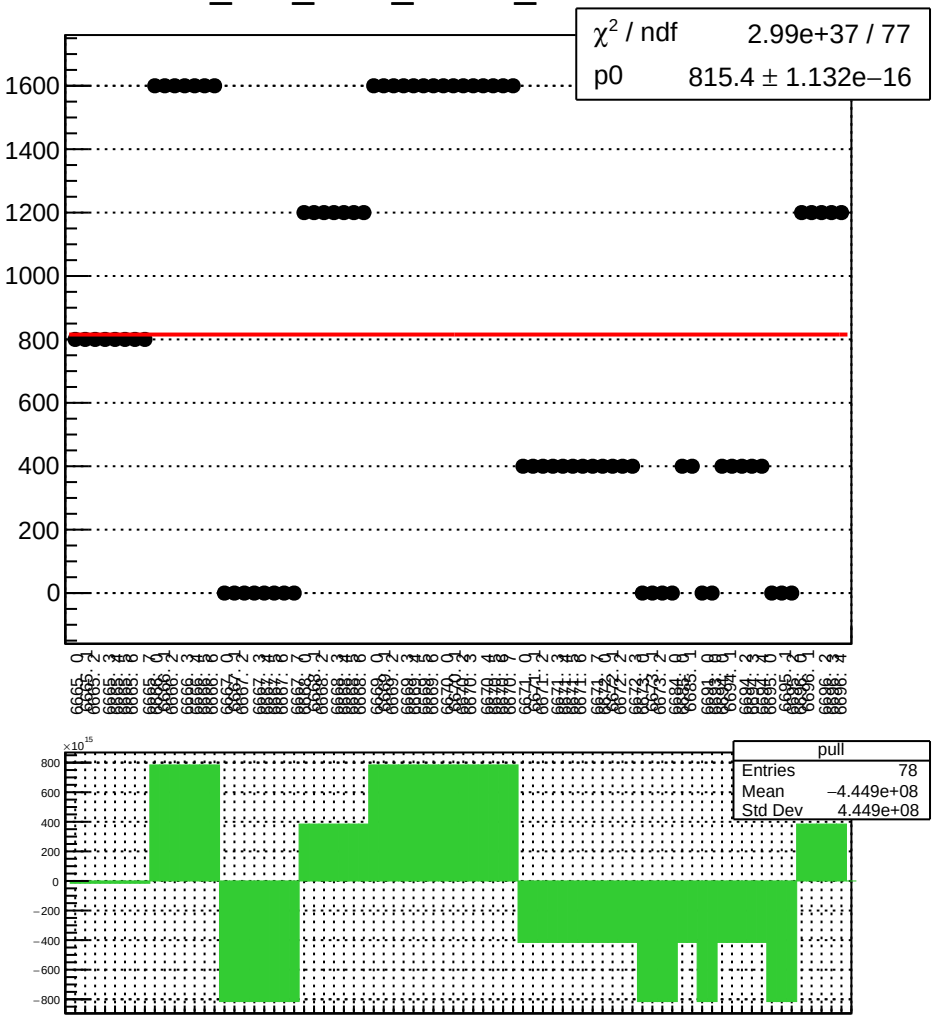

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

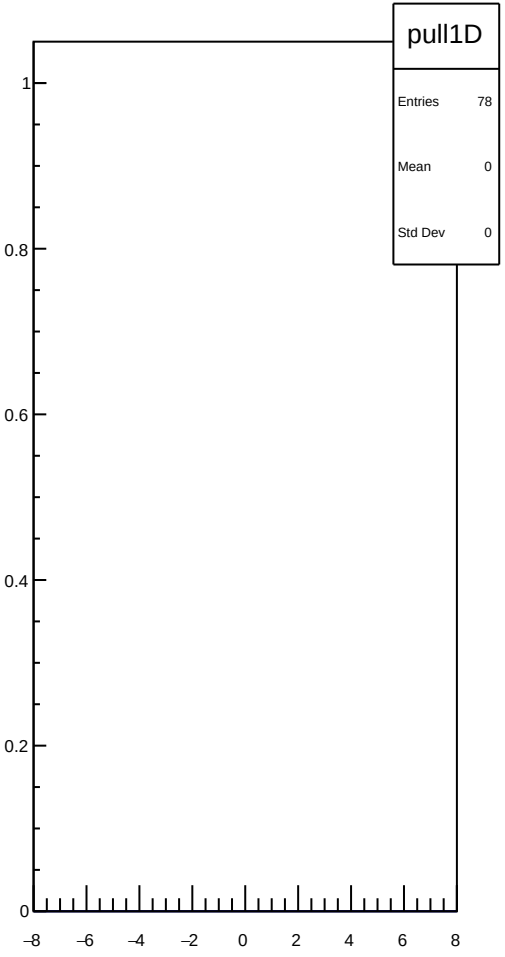

dit_atl1_coil6_mean vs run
χ² / ndf 6.104e+36 / 77
p0 287.7 ± 1.132e−16
pull
Entries 78
Mean 0
Std Dev 0

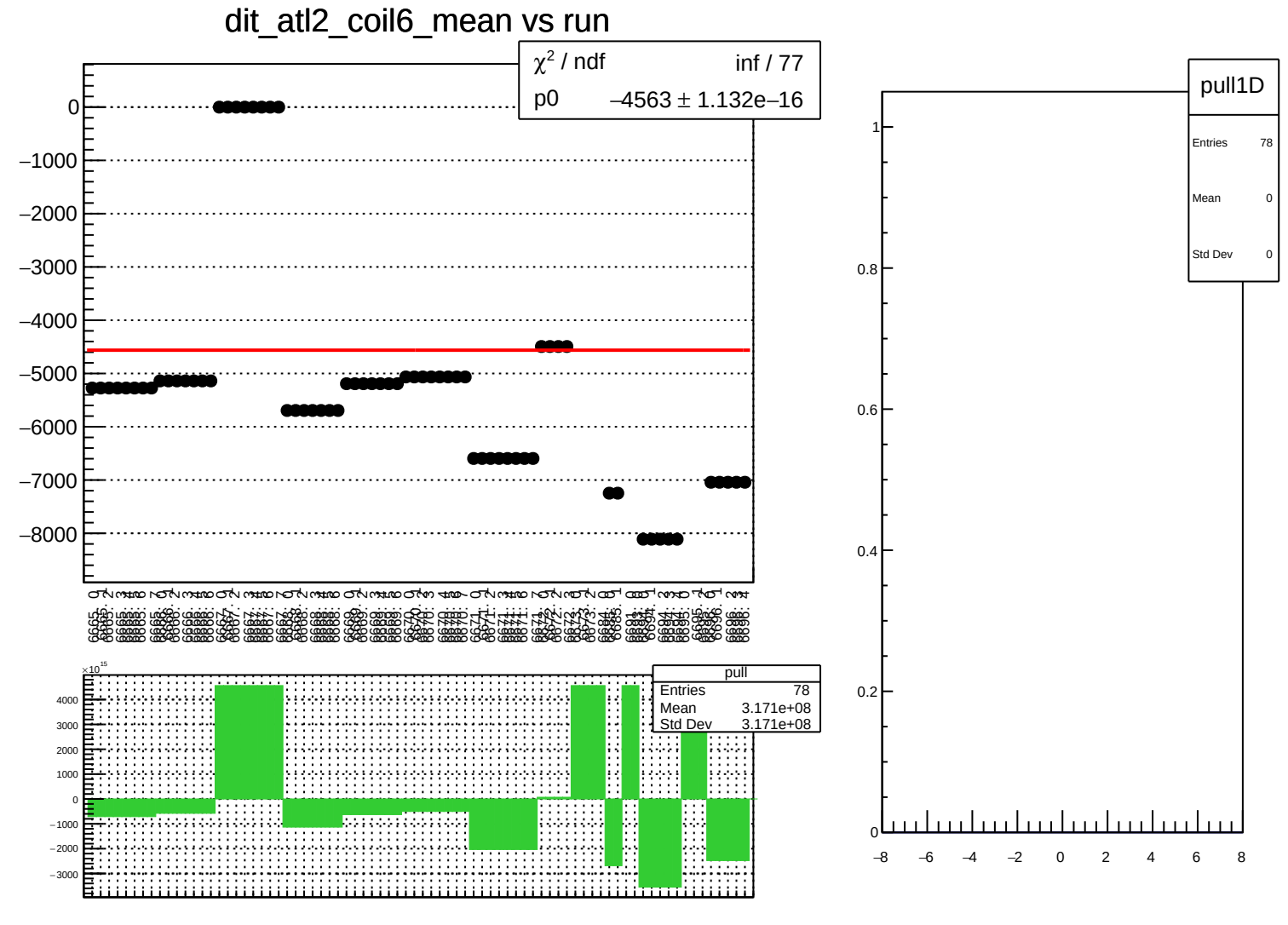

pull1D
Entries 78
Mean 0
Std Dev 0


dit_atl1_coil6_err_mean vs run
χ² / ndf 8.528e+35 / 77
p0 177.3 ± 1.132e−16
pull
Entries 78
Mean −3.963e+07
Std Dev 3.963e+07
pull1D
Entries 78
Mean 0
Std Dev 0

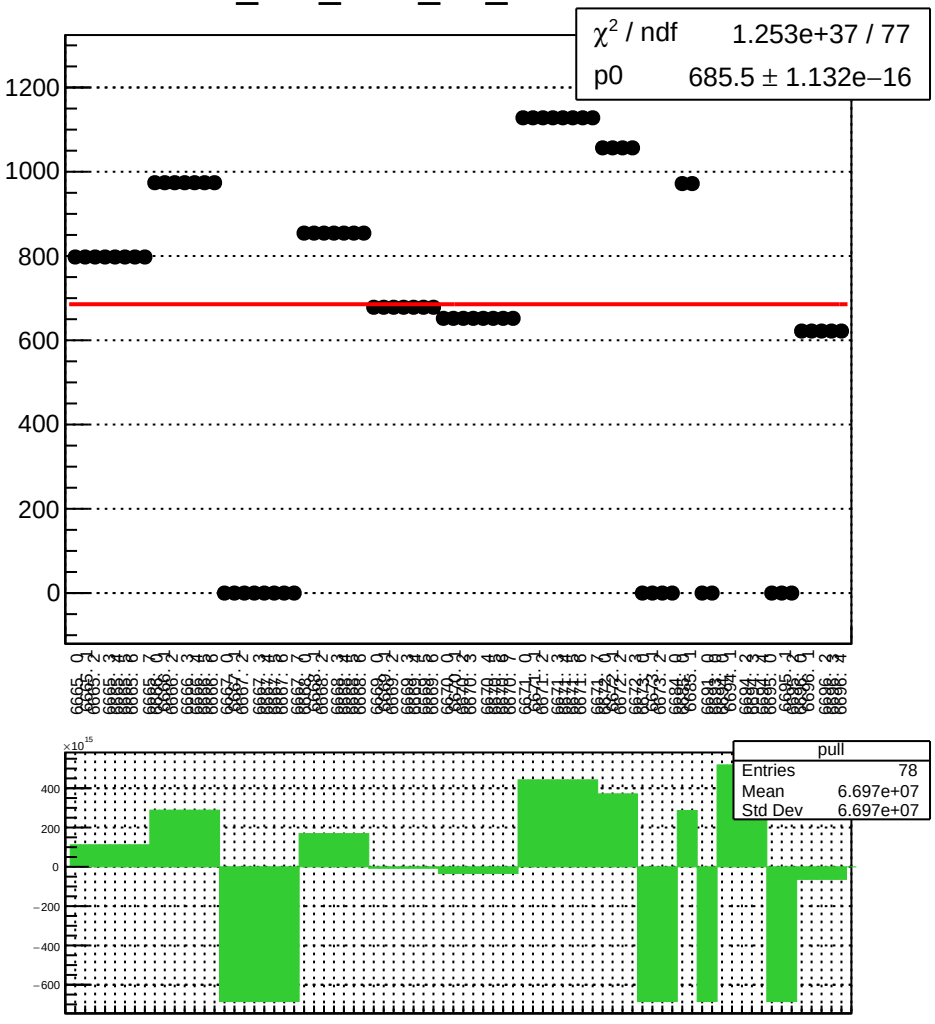
dit_atl1_coil6_Ndata_mean vs run

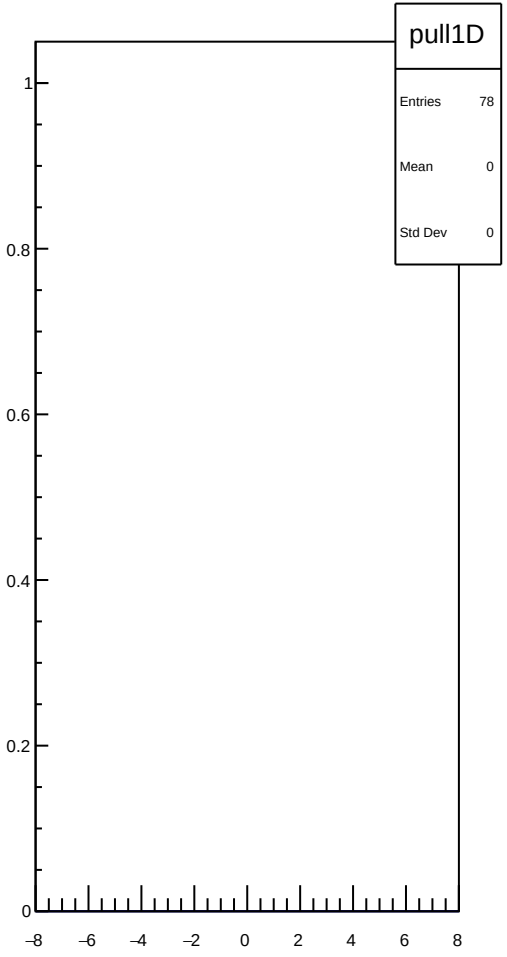




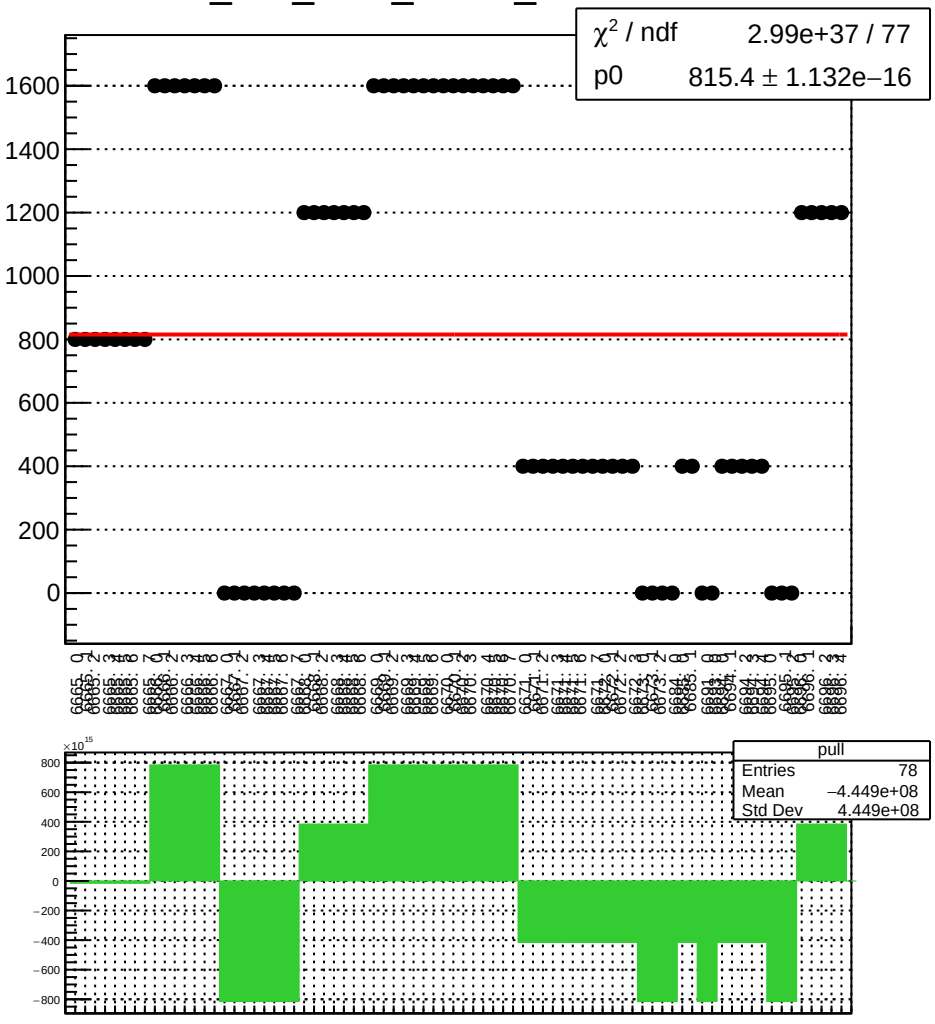

dit_atl2_coil6_mean vs run
χ² / ndf inf / 77
p0 –4563 ± 1.132e–16
pull
Entries 78
Mean 3.171e+08
Std Dev 3.171e+08
pull1D
Entries 78
Mean 0
Std Dev 0

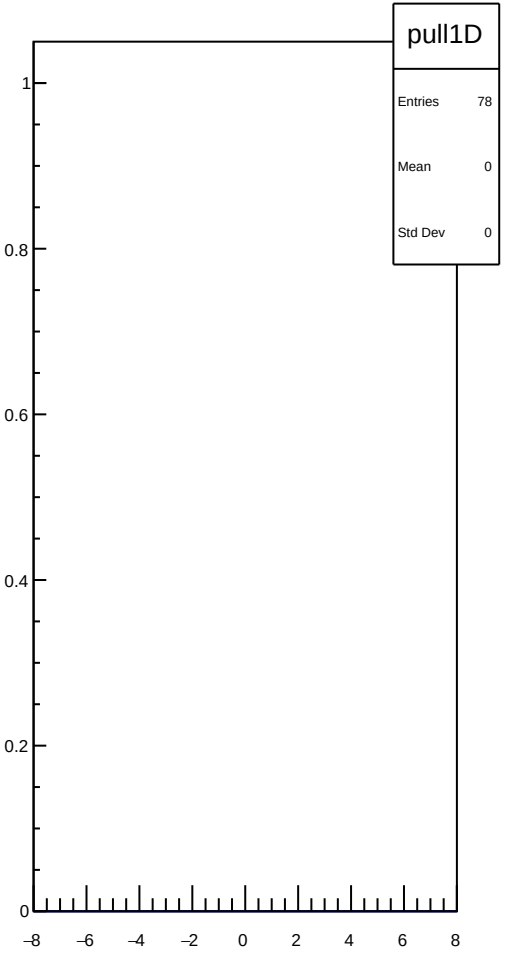
dit_atl2_coil6_err_mean vs run

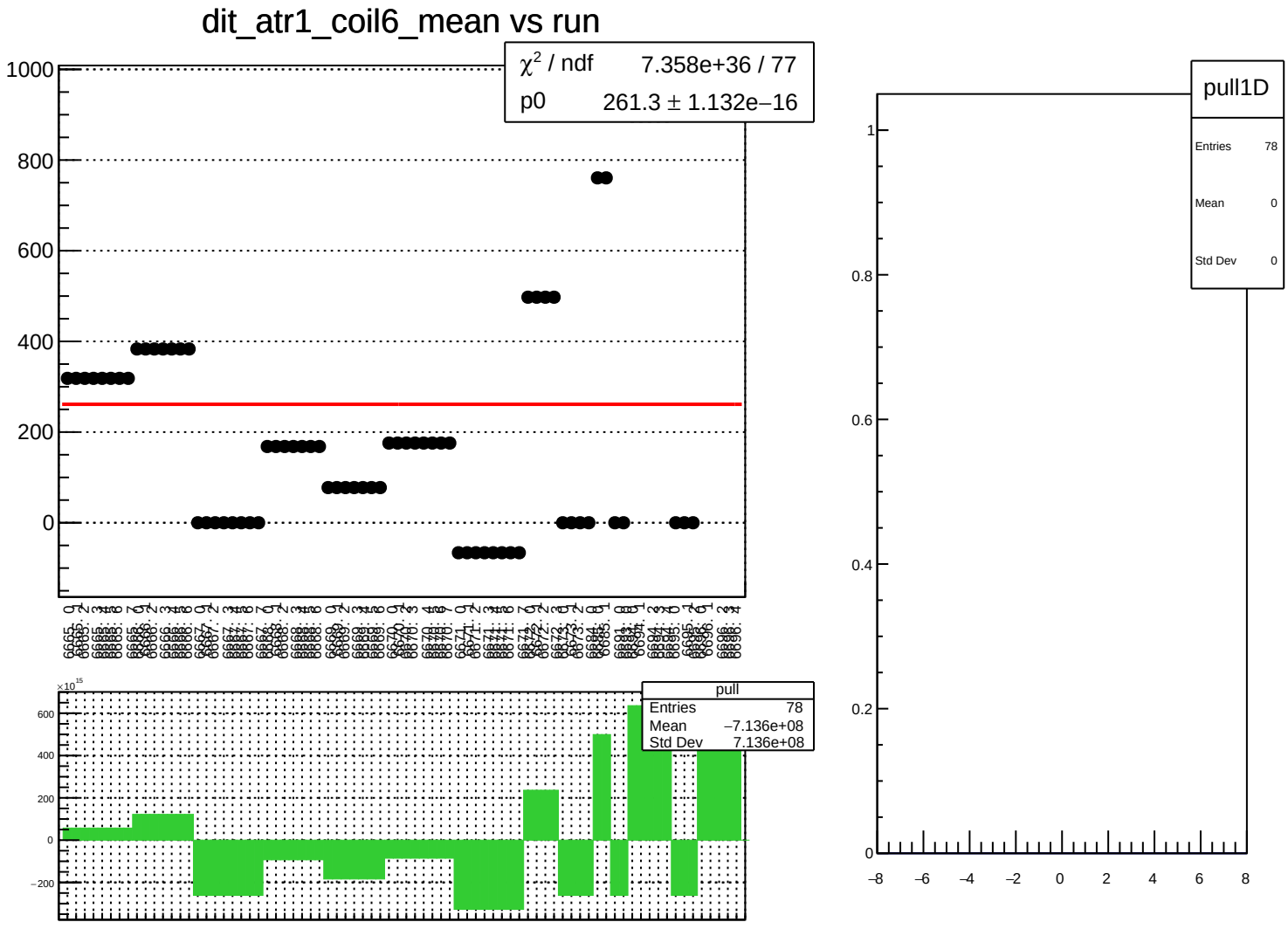




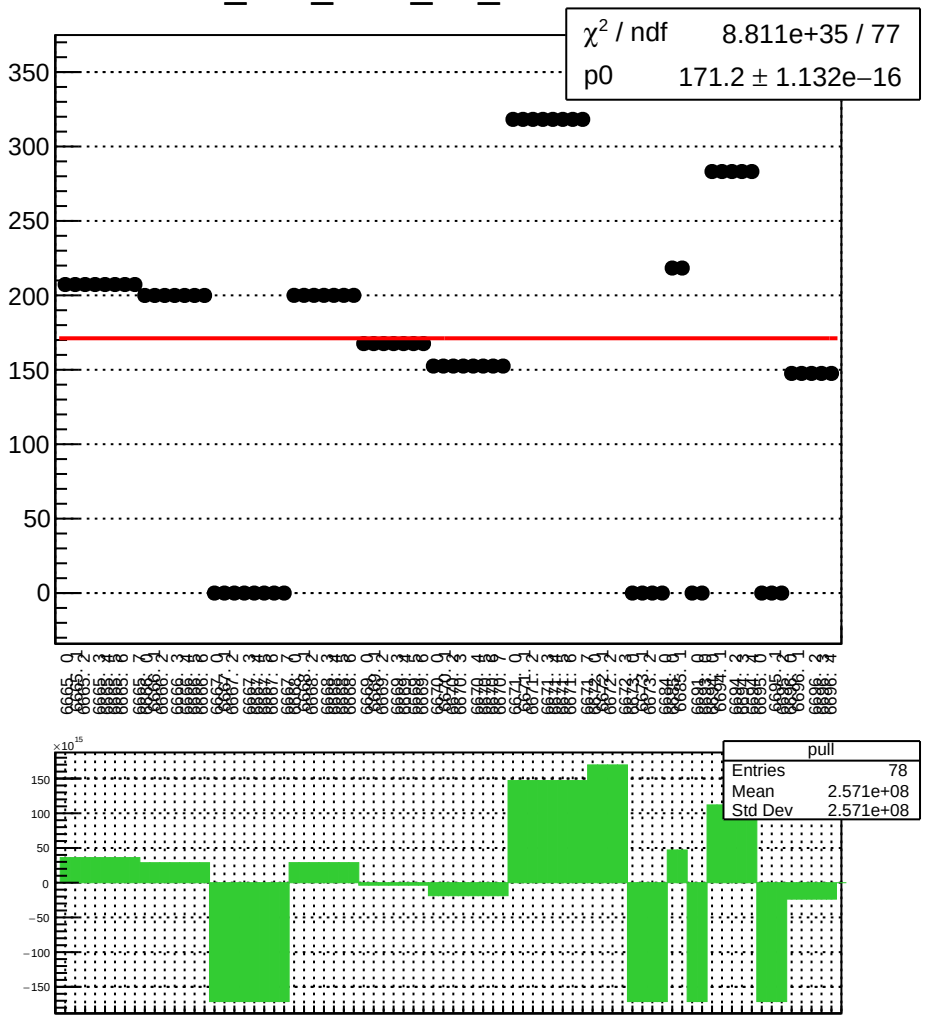
dit_atl2_coil6_Ndata_mean vs run

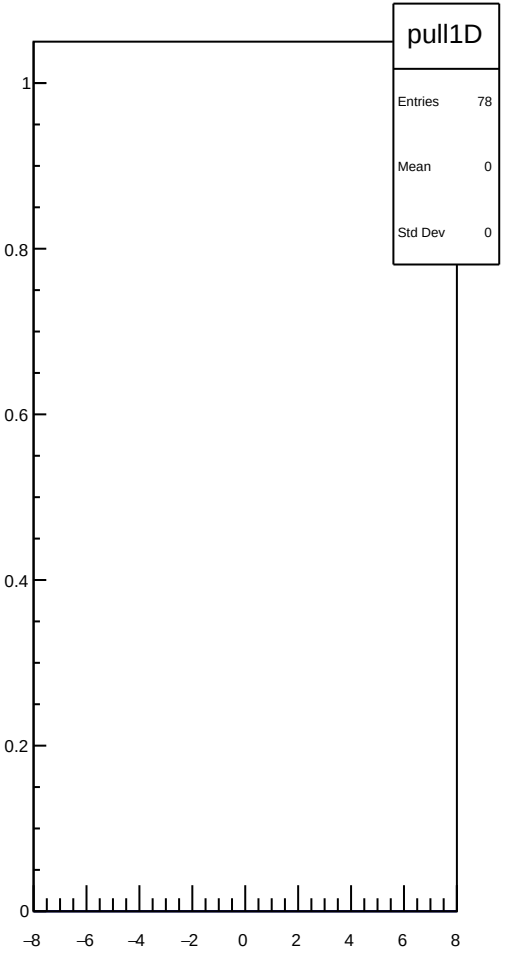


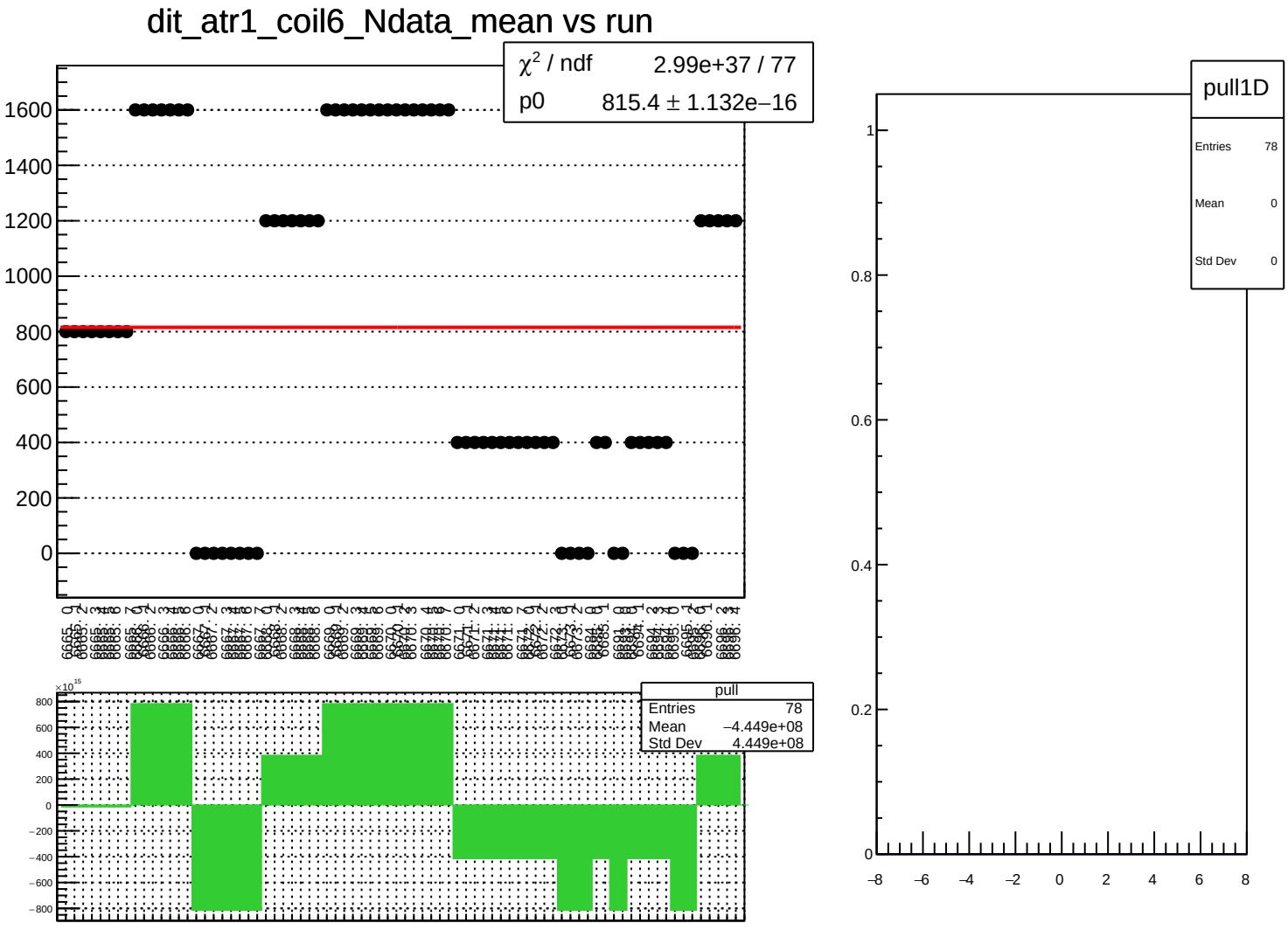


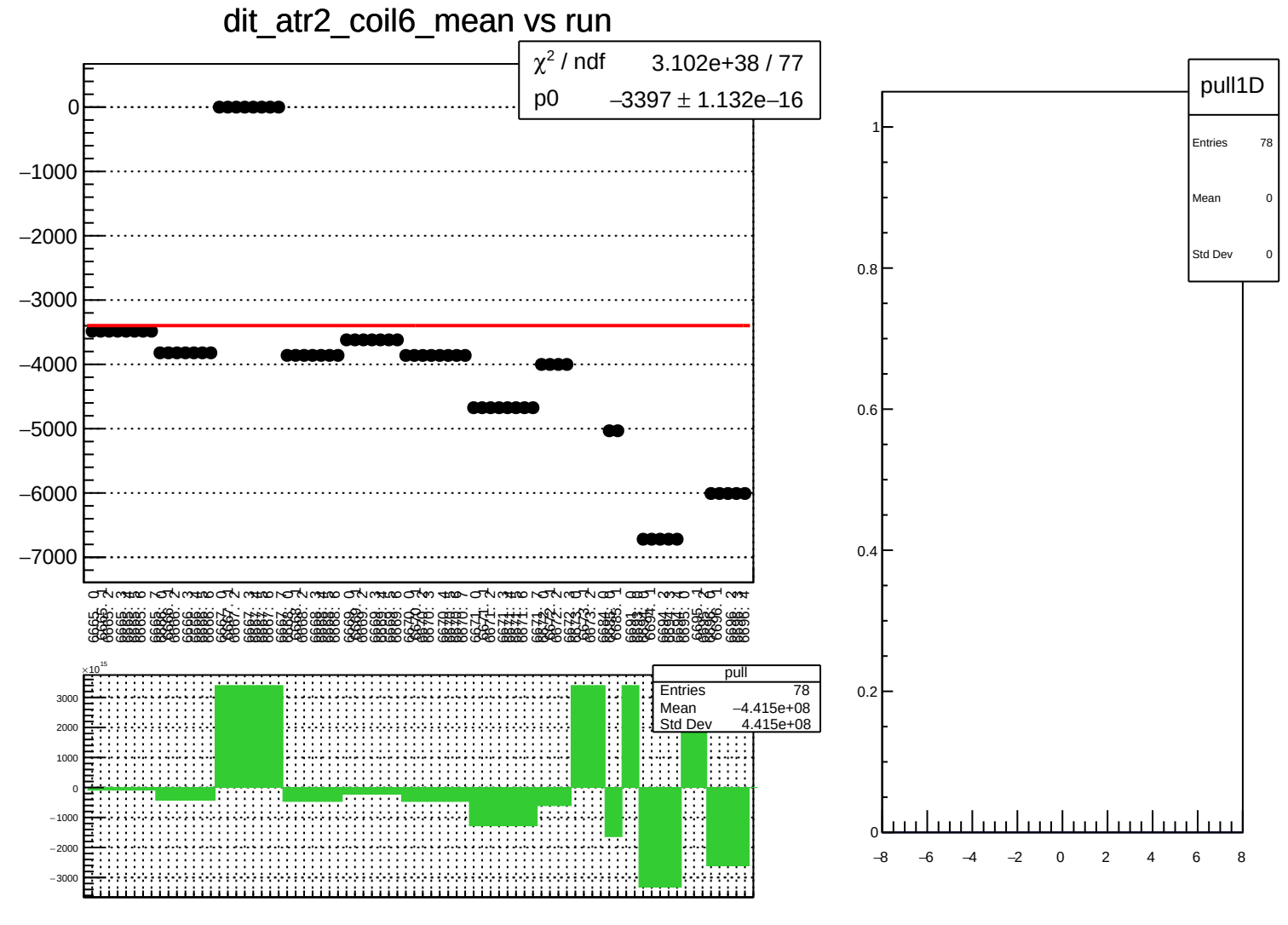

dit_atr1_coil6_mean vs run
χ² / ndf 7.358e+36 / 77
p0 261.3 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −7.136e+08
Std Dev 7.136e+08
×10¹⁵
600
400
200
0
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

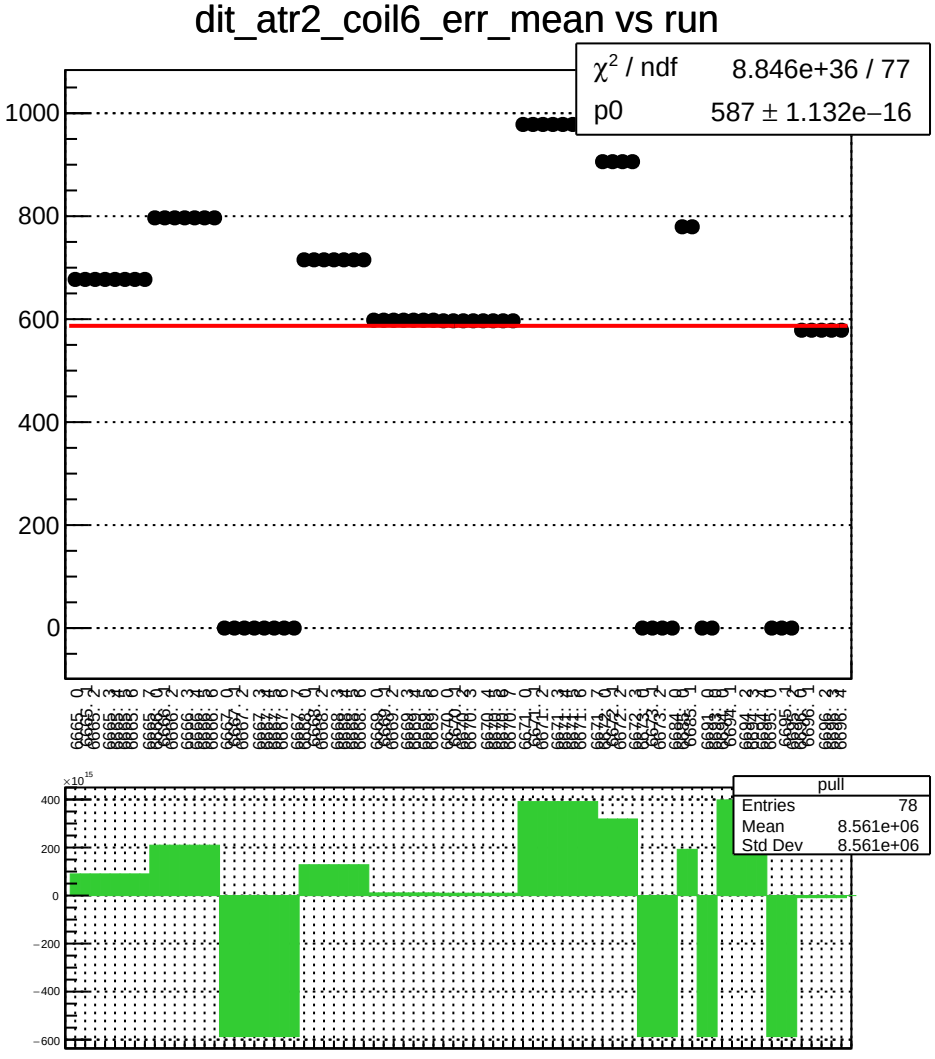
dit_atr1_coil6_err_mean vs run

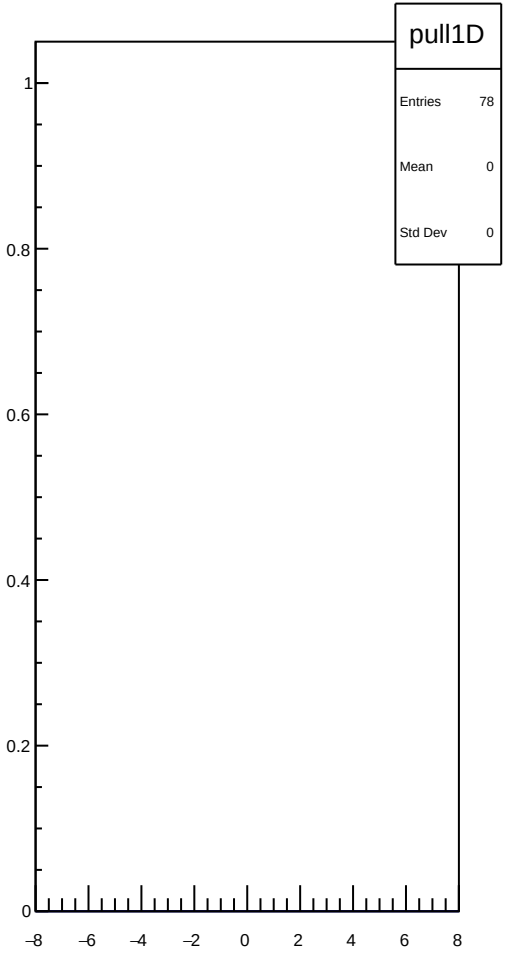




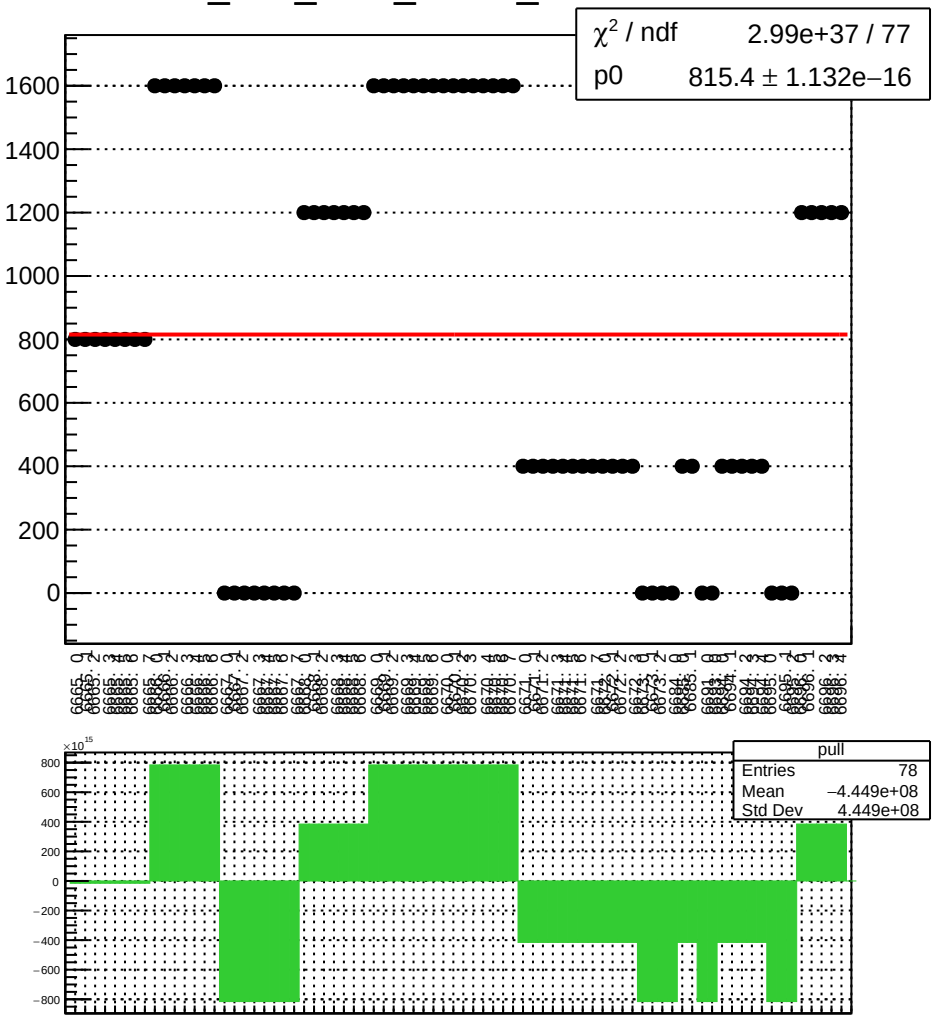

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

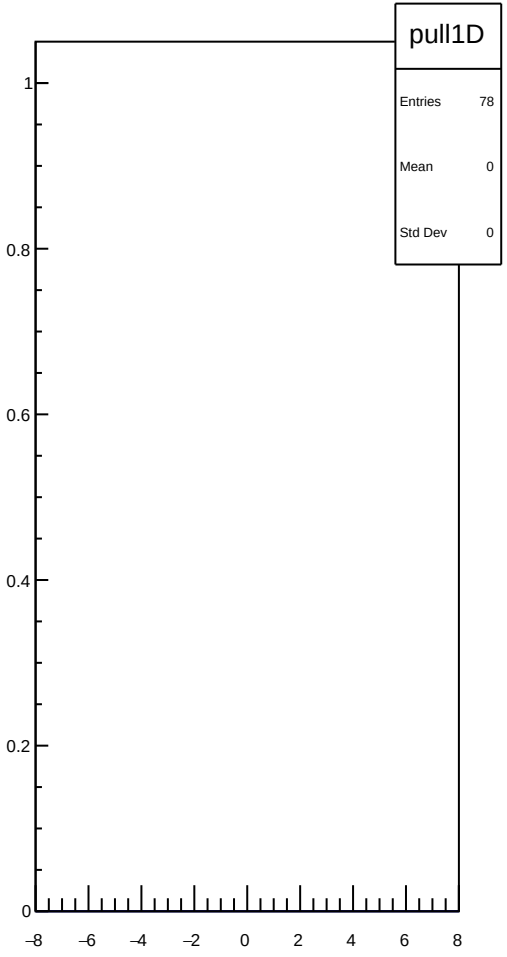

dit_atr2_coil6_mean vs run
χ² / ndf 3.102e+38 / 77
p0 −3397 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 78
Mean −4.415e+08
Std Dev 4.415e+08
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

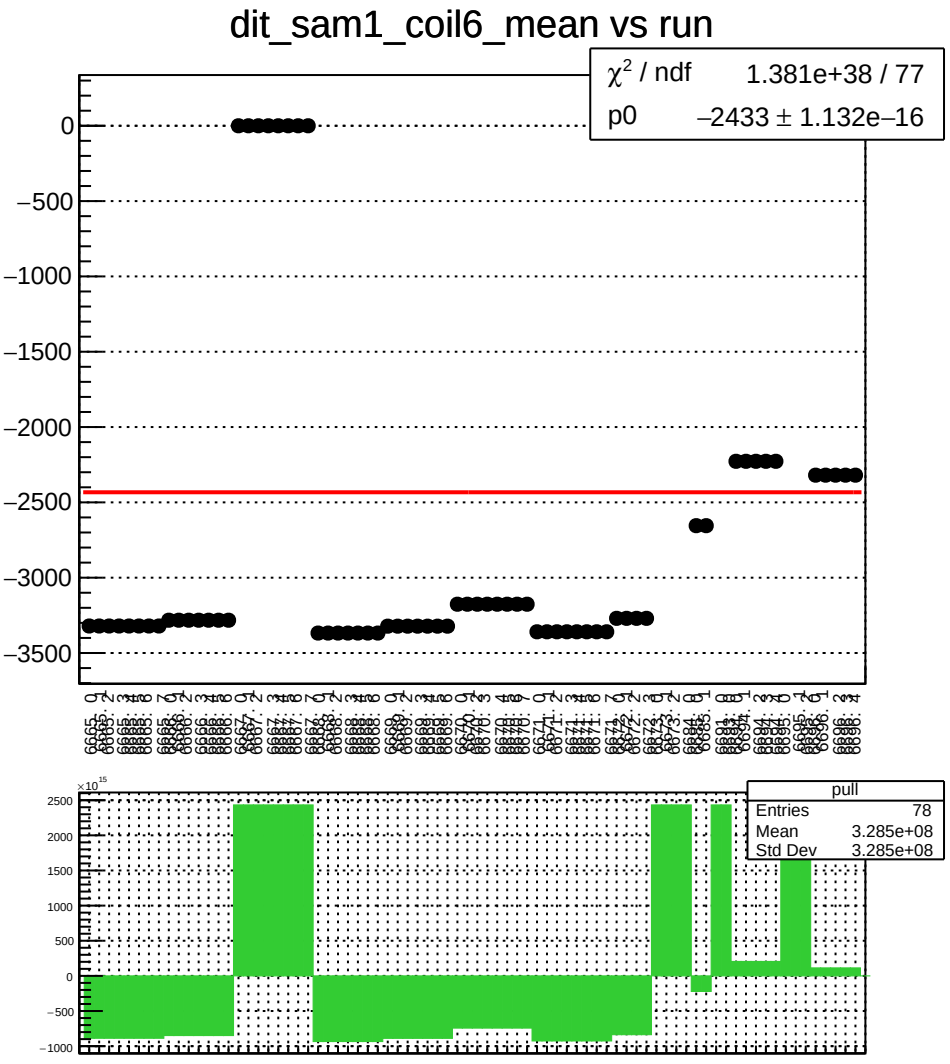

dit_atr2_coil6_err_mean vs run
χ² / ndf 8.846e+36 / 77
p0 587 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 8.561e+06
Std Dev 8.561e+06
×10¹⁵
400
200
0
−200
−400
−600

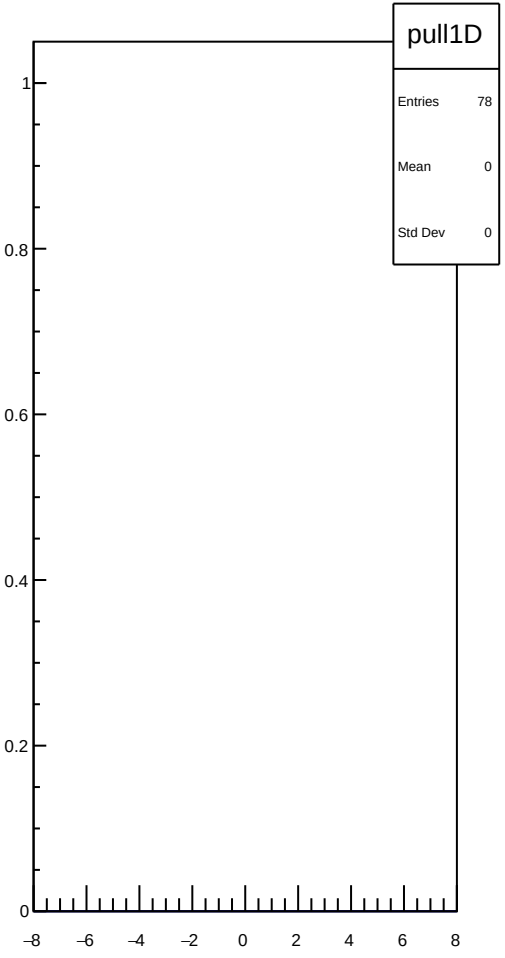

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_Ndata_mean vs run

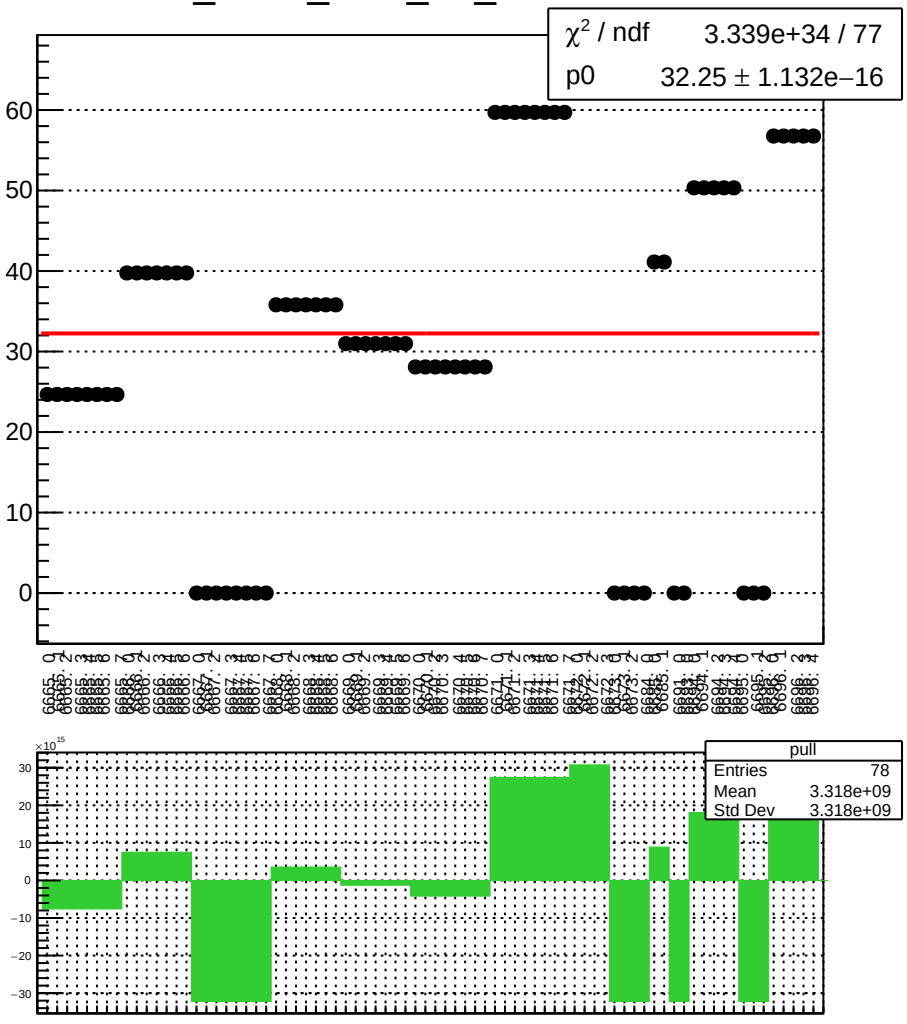


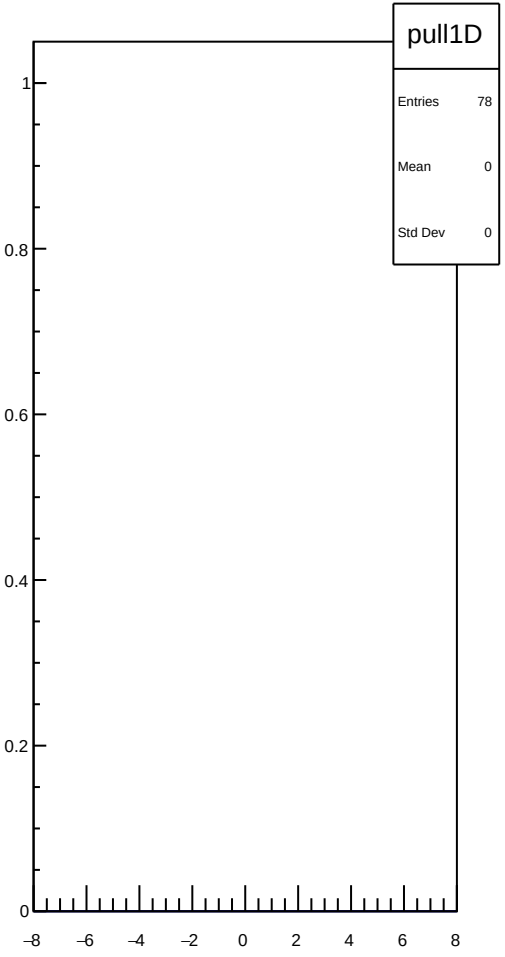


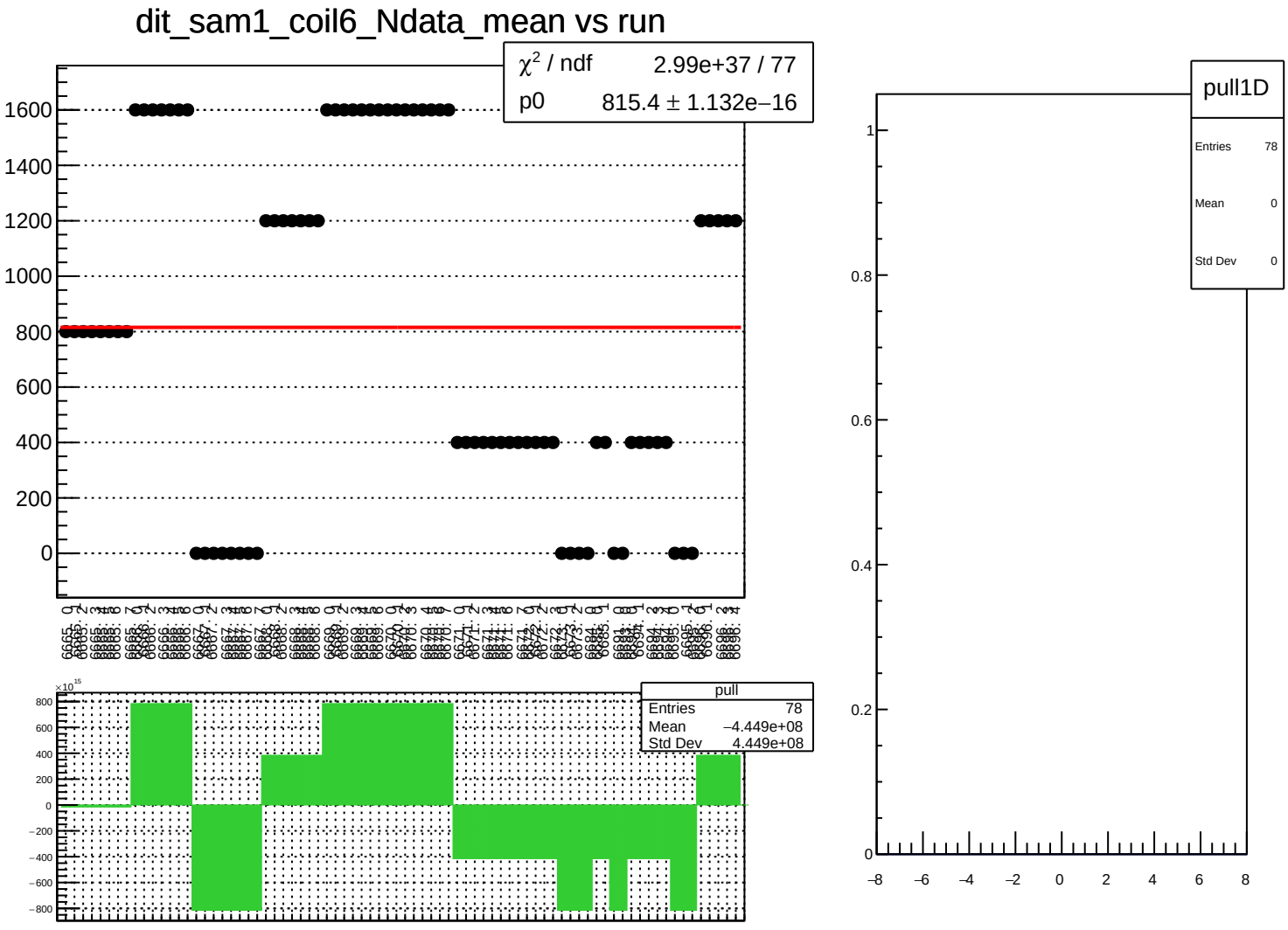

dit_sam1_coil6_mean vs run
χ² / ndf 1.381e+38 / 77
p0 −2433 ± 1.132e−16
pull
Entries 78
Mean 3.285e+08
Std Dev 3.285e+08

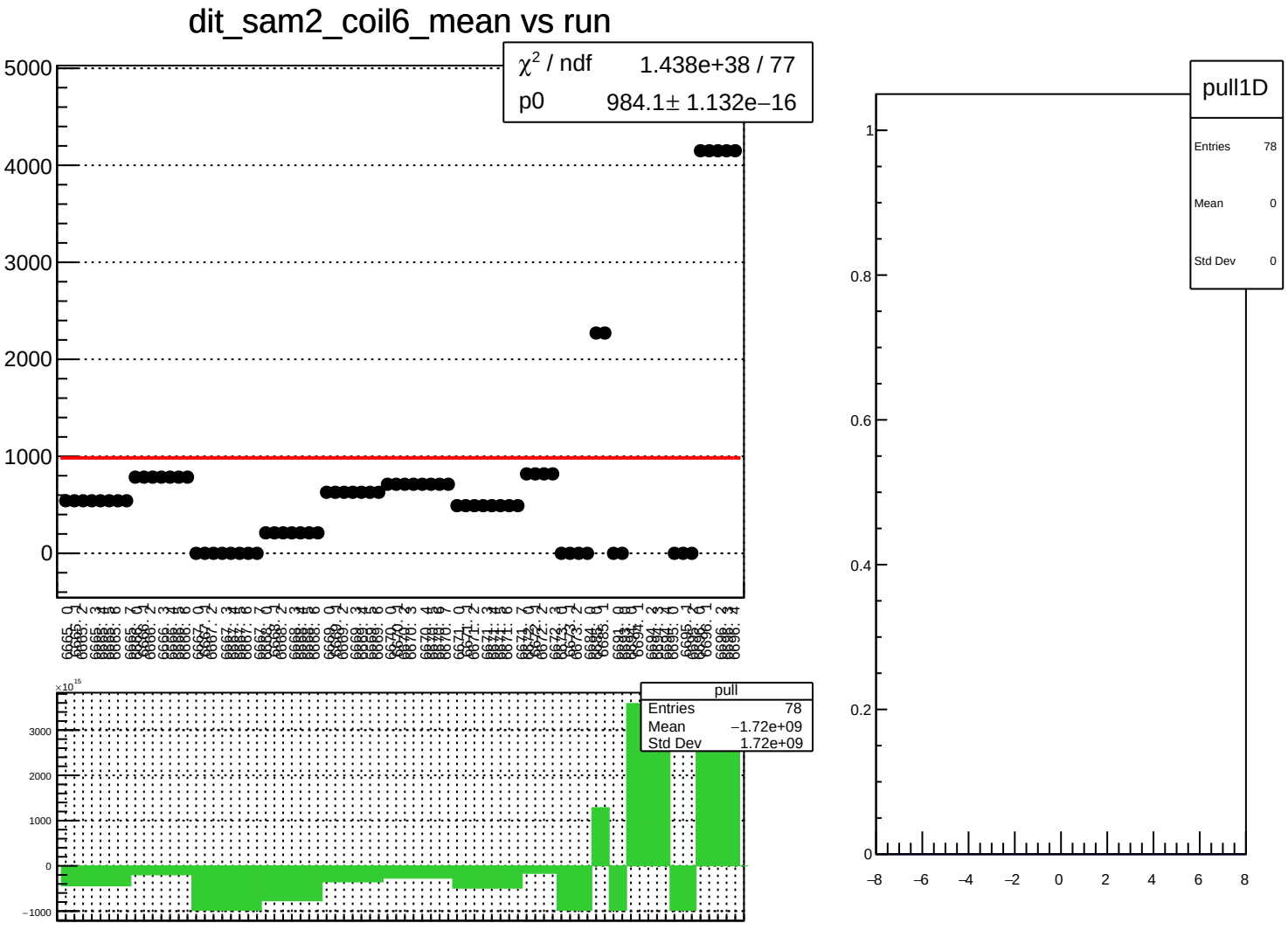

pull1D
Entries 78
Mean 0
Std Dev 0

dit_sam1_coil6_err_mean vs run

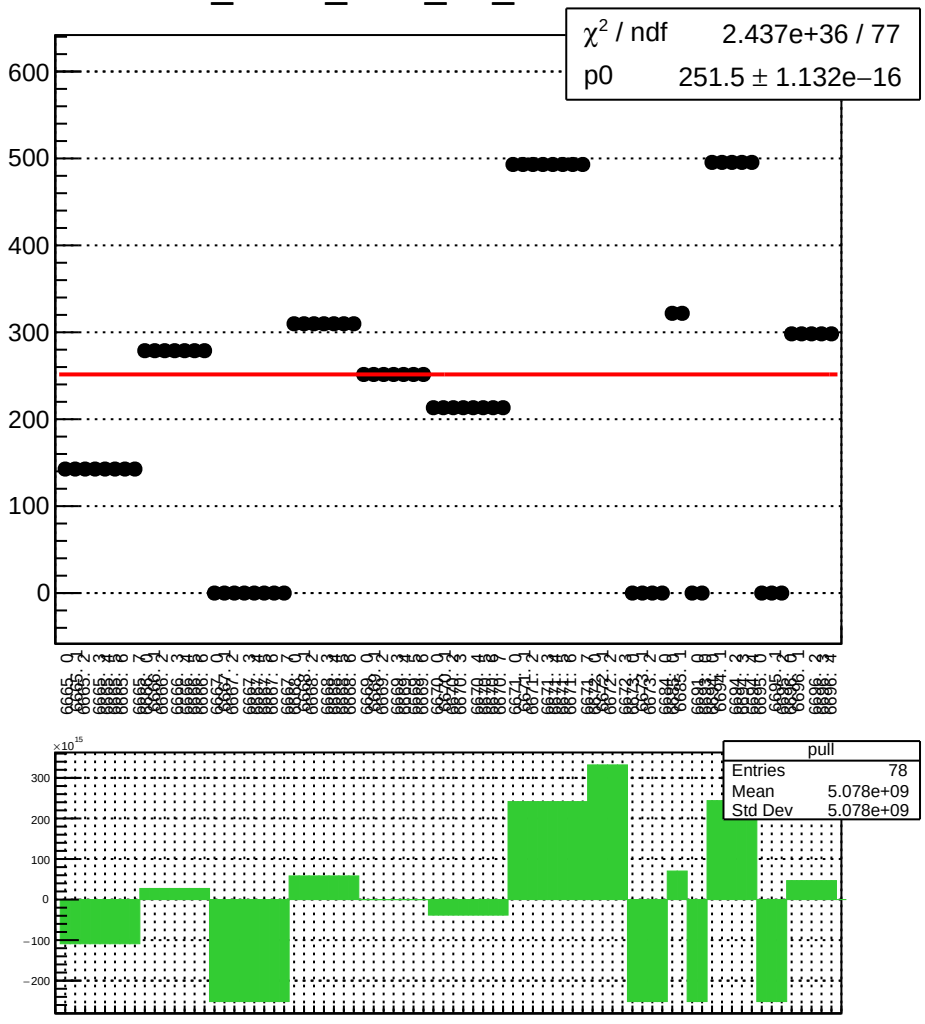


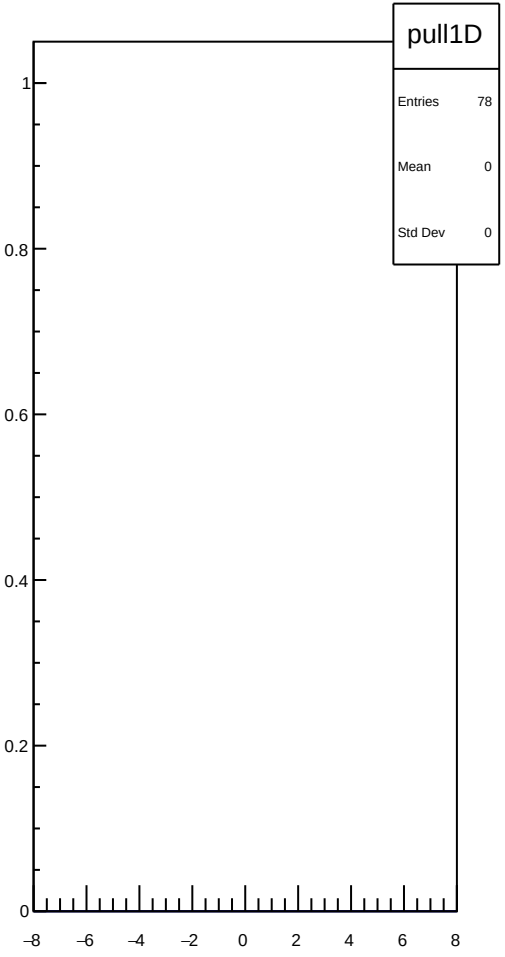


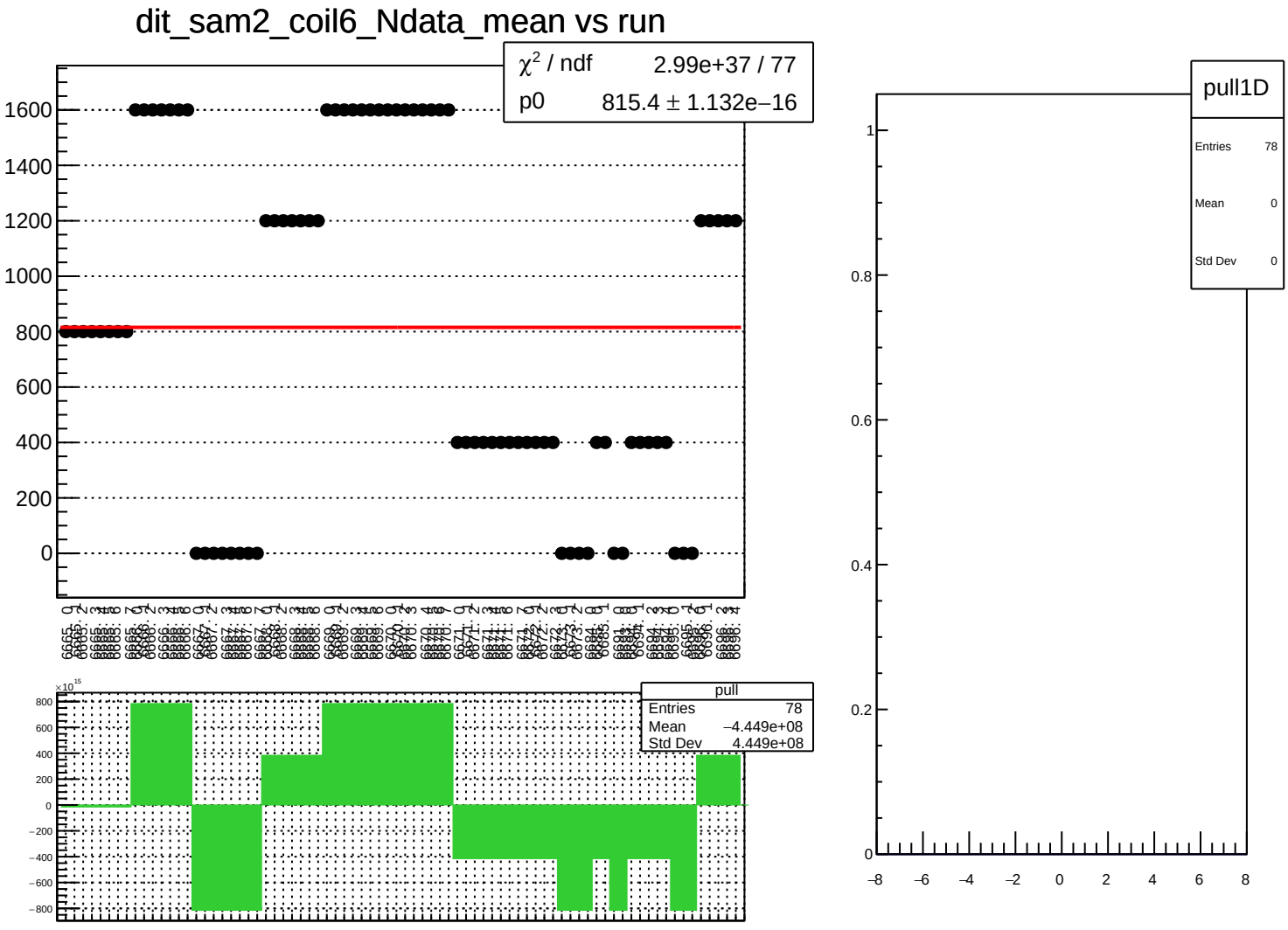

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

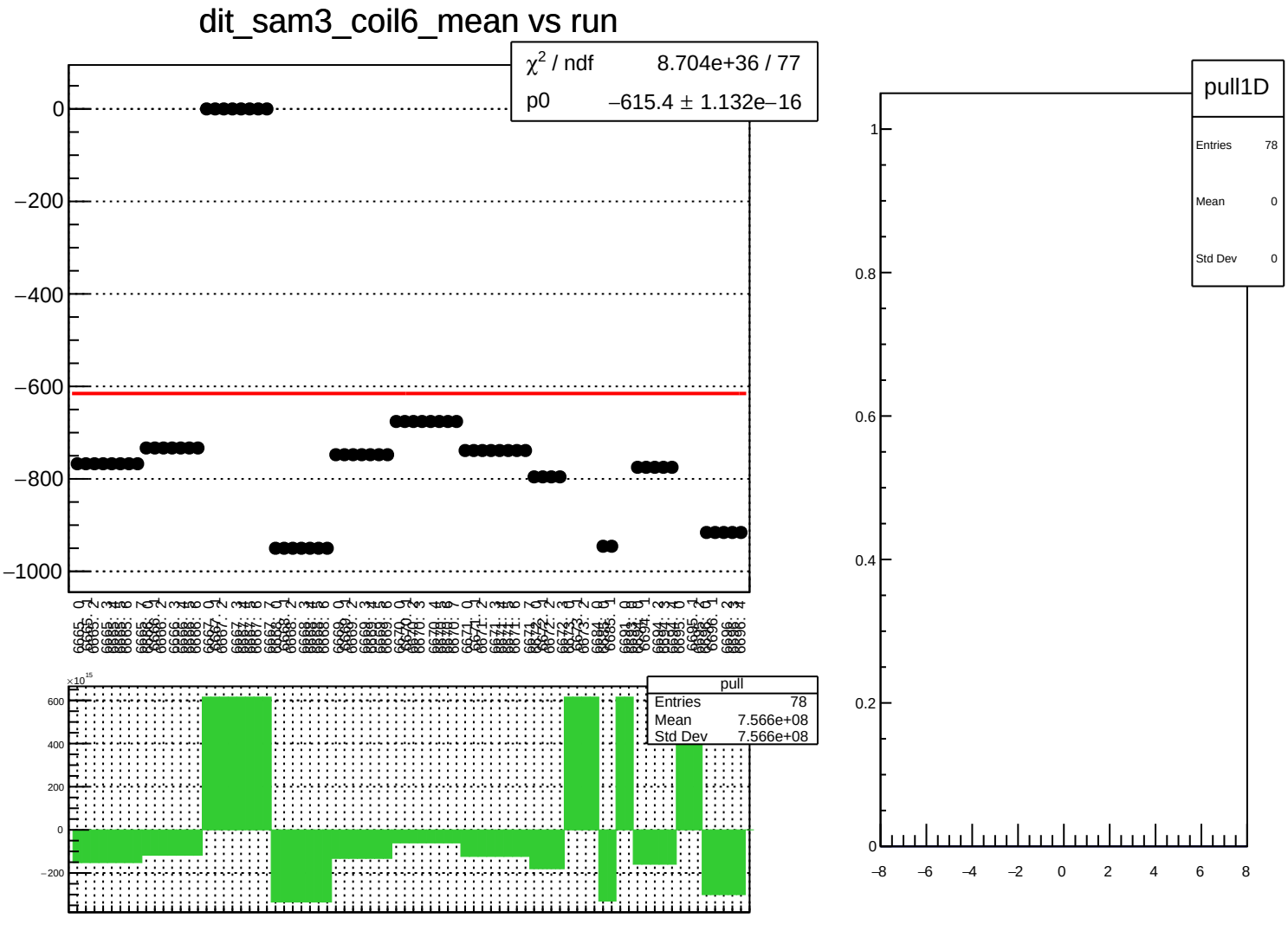

dit_sam2_coil6_mean vs run
χ² / ndf 1.438e+38 / 77
p0 984.1± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.72e+09
Std Dev 1.72e+09
×10¹⁵
3000
2000
1000
0
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

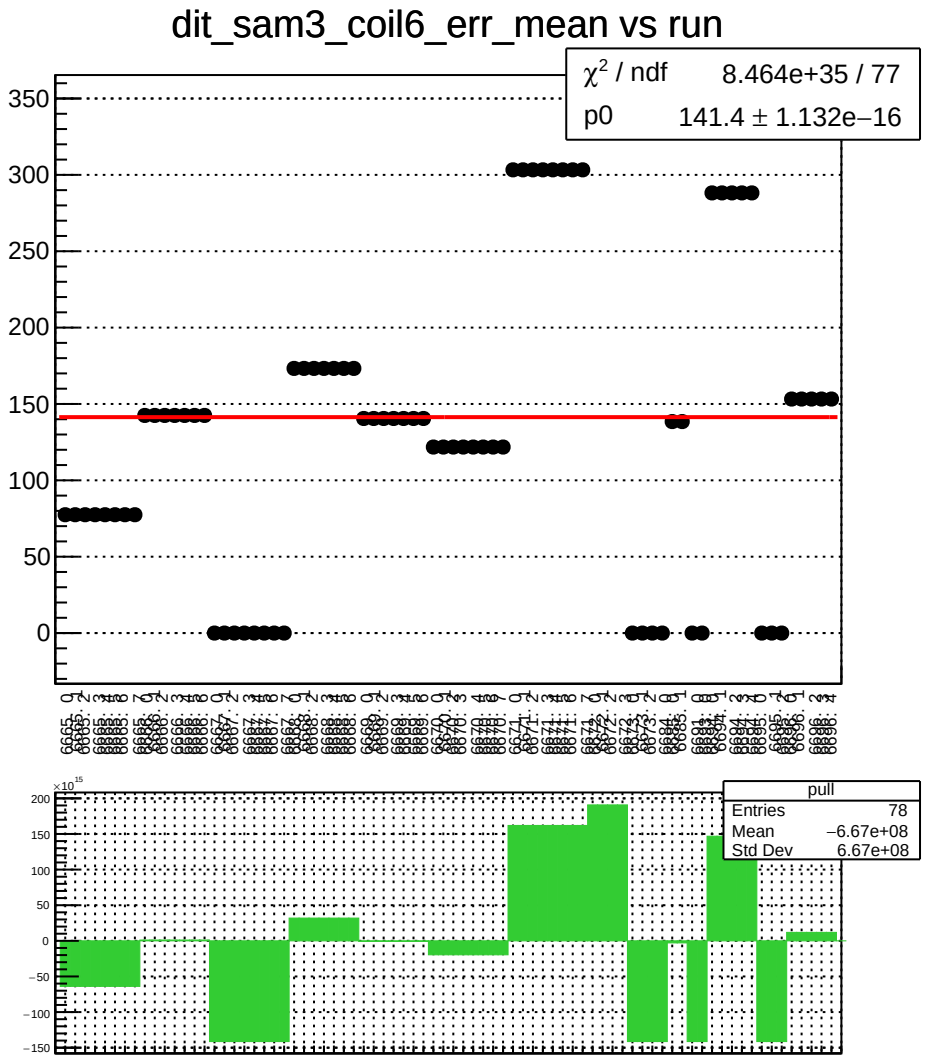
dit_sam2_coil6_err_mean vs run

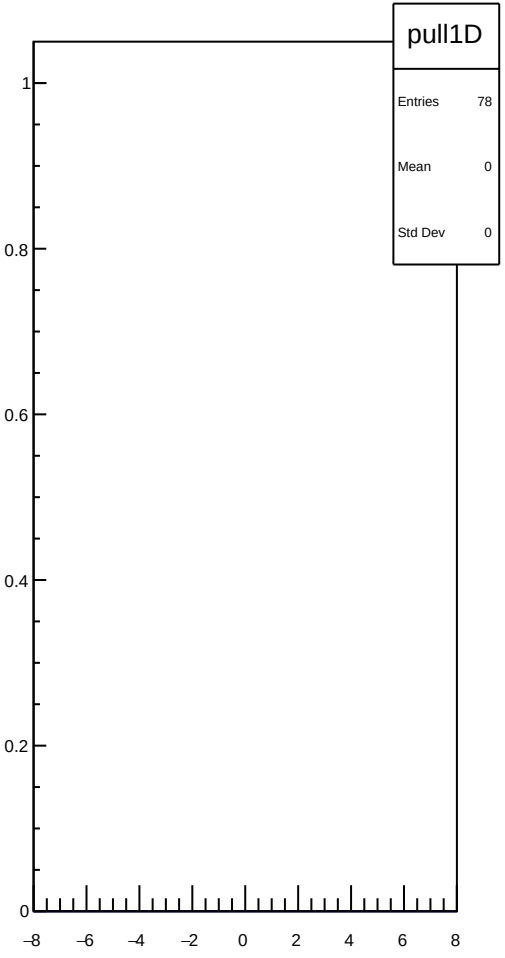


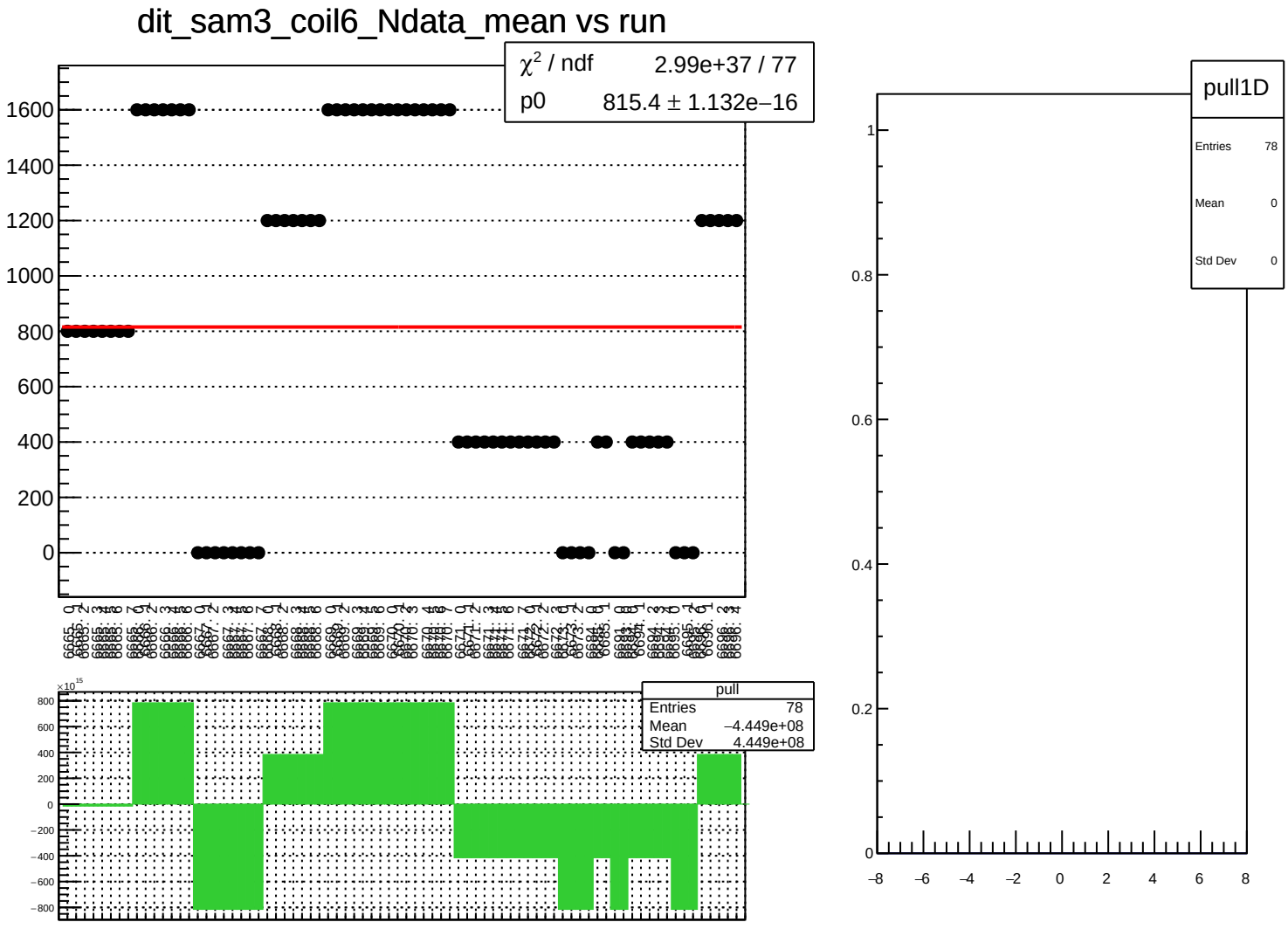


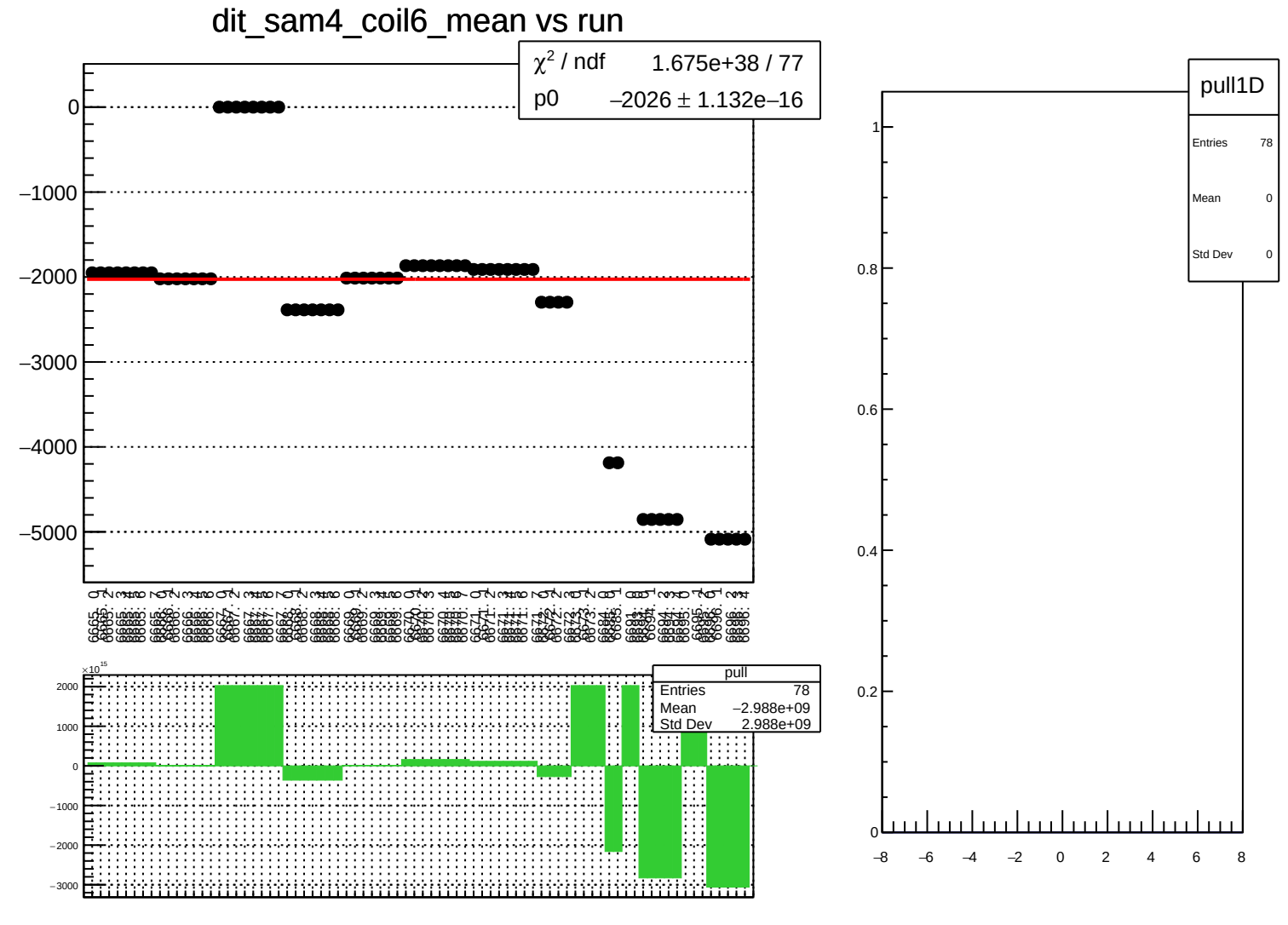

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

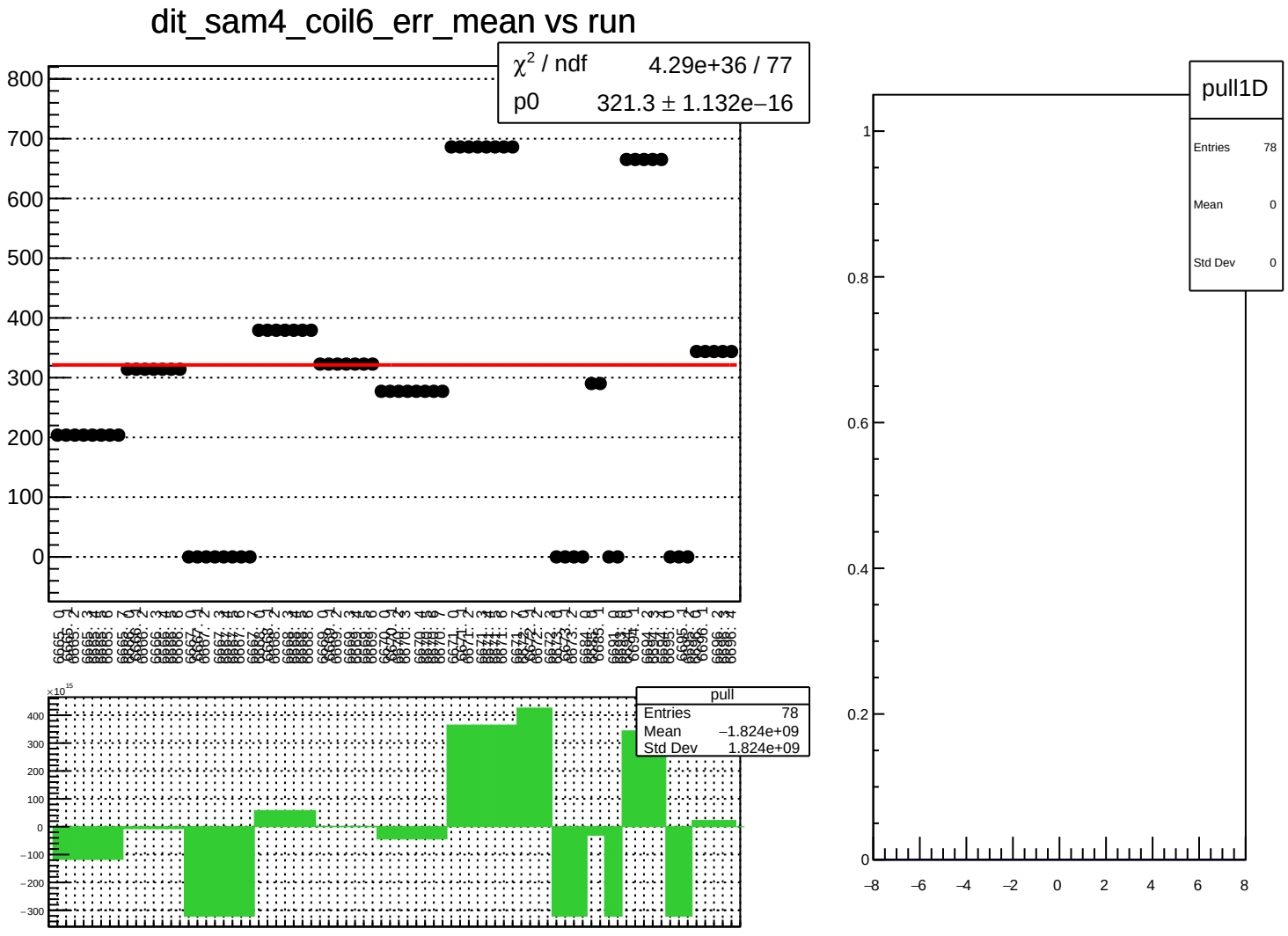

dit_sam3_coil6_mean vs run
χ² / ndf 8.704e+36 / 77
p0 −615.4 ± 1.132e−16
0
−200
−400
−600
−800
−1000
pull
Entries 78
Mean 7.566e+08
Std Dev 7.566e+08
×10¹⁵
600
400
200
0
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

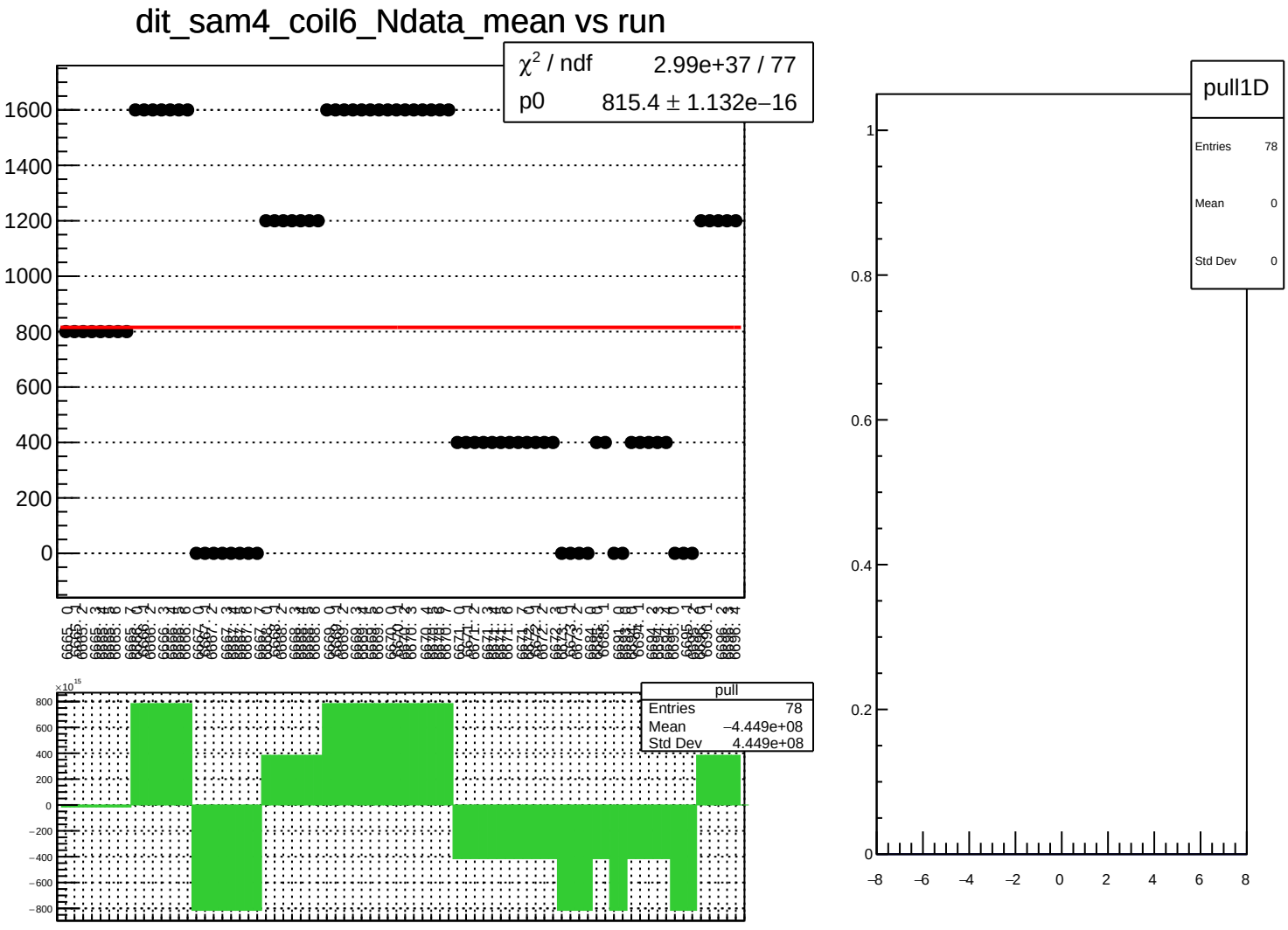

dit_sam3_coil6_err_mean vs run
χ² / ndf 8.464e+35 / 77
p0 141.4 ± 1.132e−16
pull
Entries 78
Mean −6.67e+08
Std Dev 6.67e+08

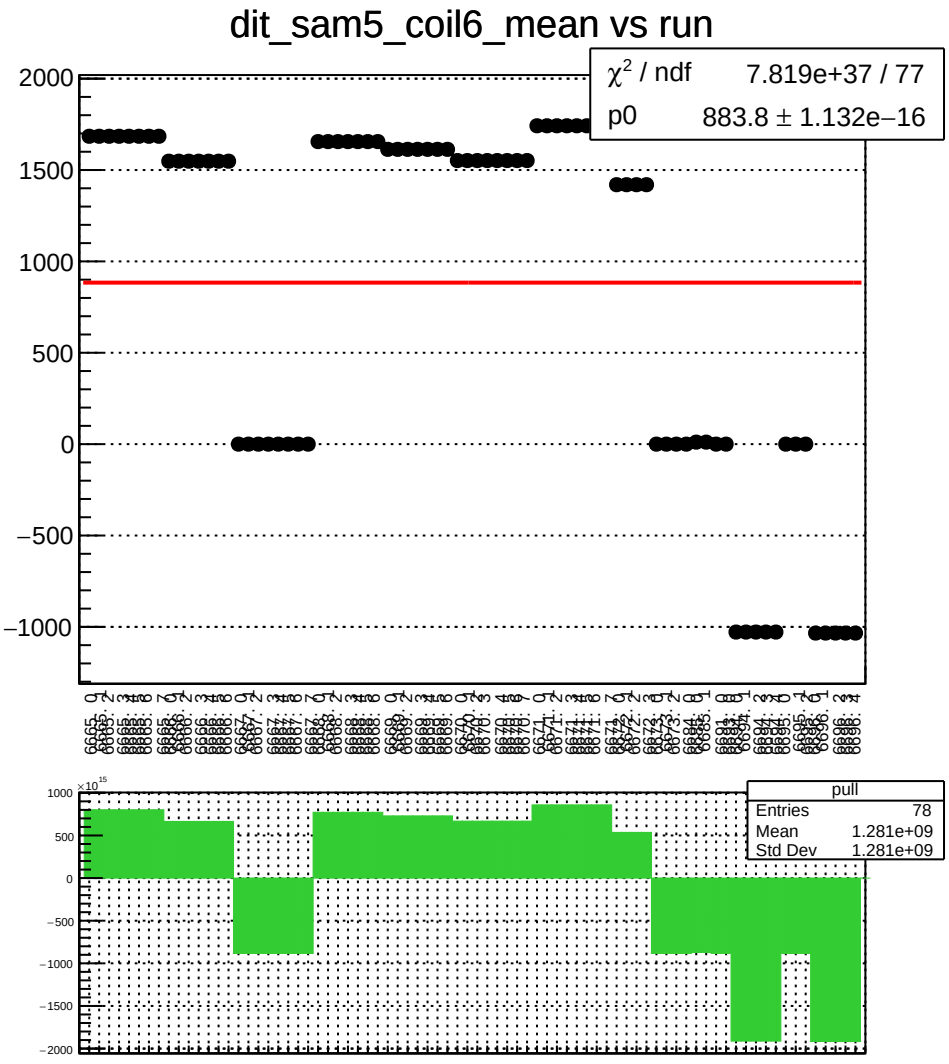

pull1D
Entries 78
Mean 0
Std Dev 0

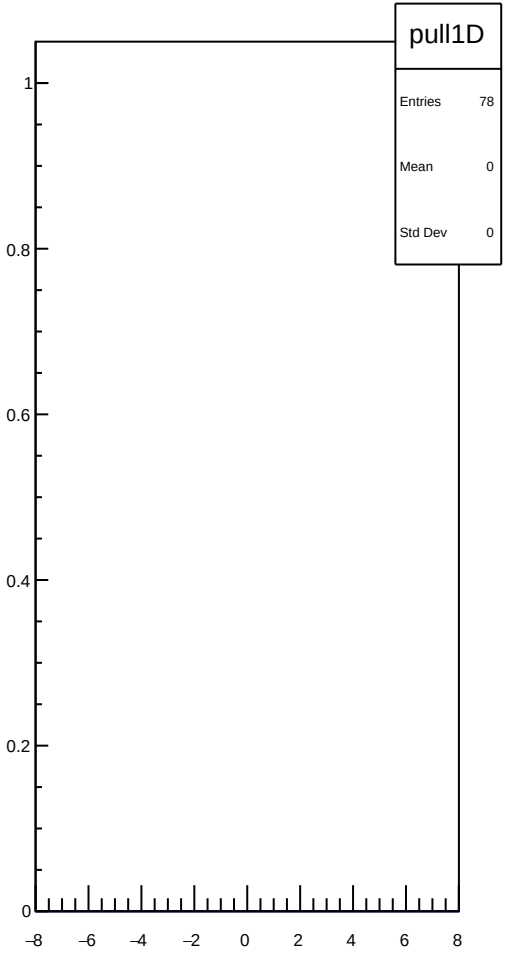

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

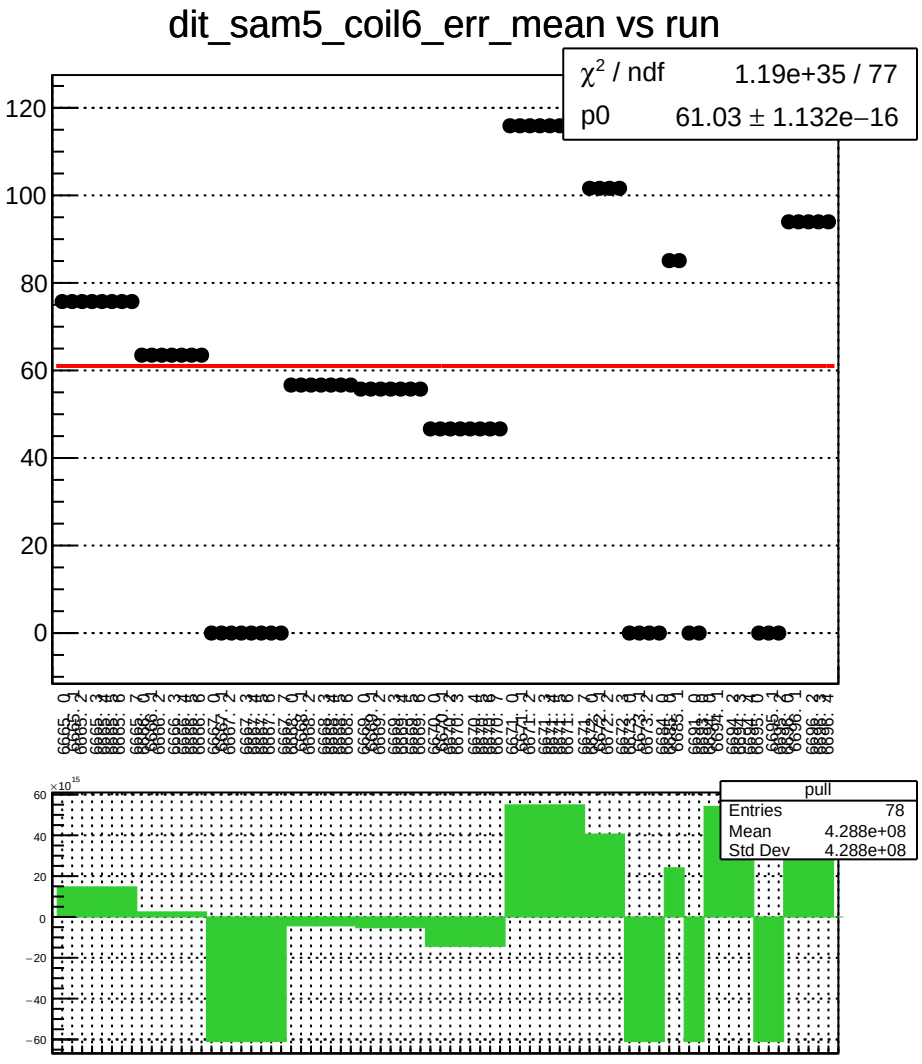

dit_sam4_coil6_mean vs run
χ^2 / ndf 1.675e+38 / 77
p0 −2026 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 78
Mean −2.988e+09
Std Dev 2.988e+09
×10^15
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

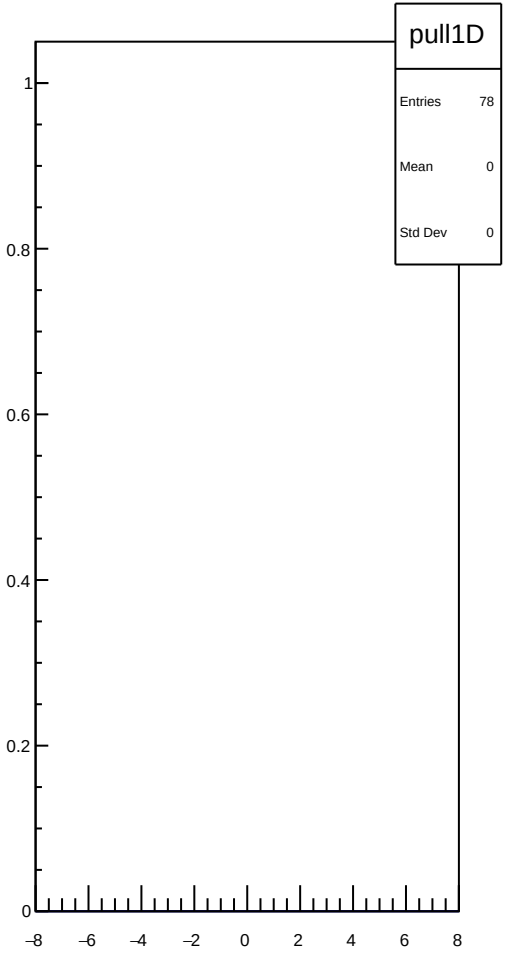

dit_sam4_coil6_err_mean vs run
χ² / ndf 4.29e+36 / 77
p0 321.3 ± 1.132e−16
pull
Entries 78
Mean −1.824e+09
Std Dev 1.824e+09
pull1D
Entries 78
Mean 0
Std Dev 0

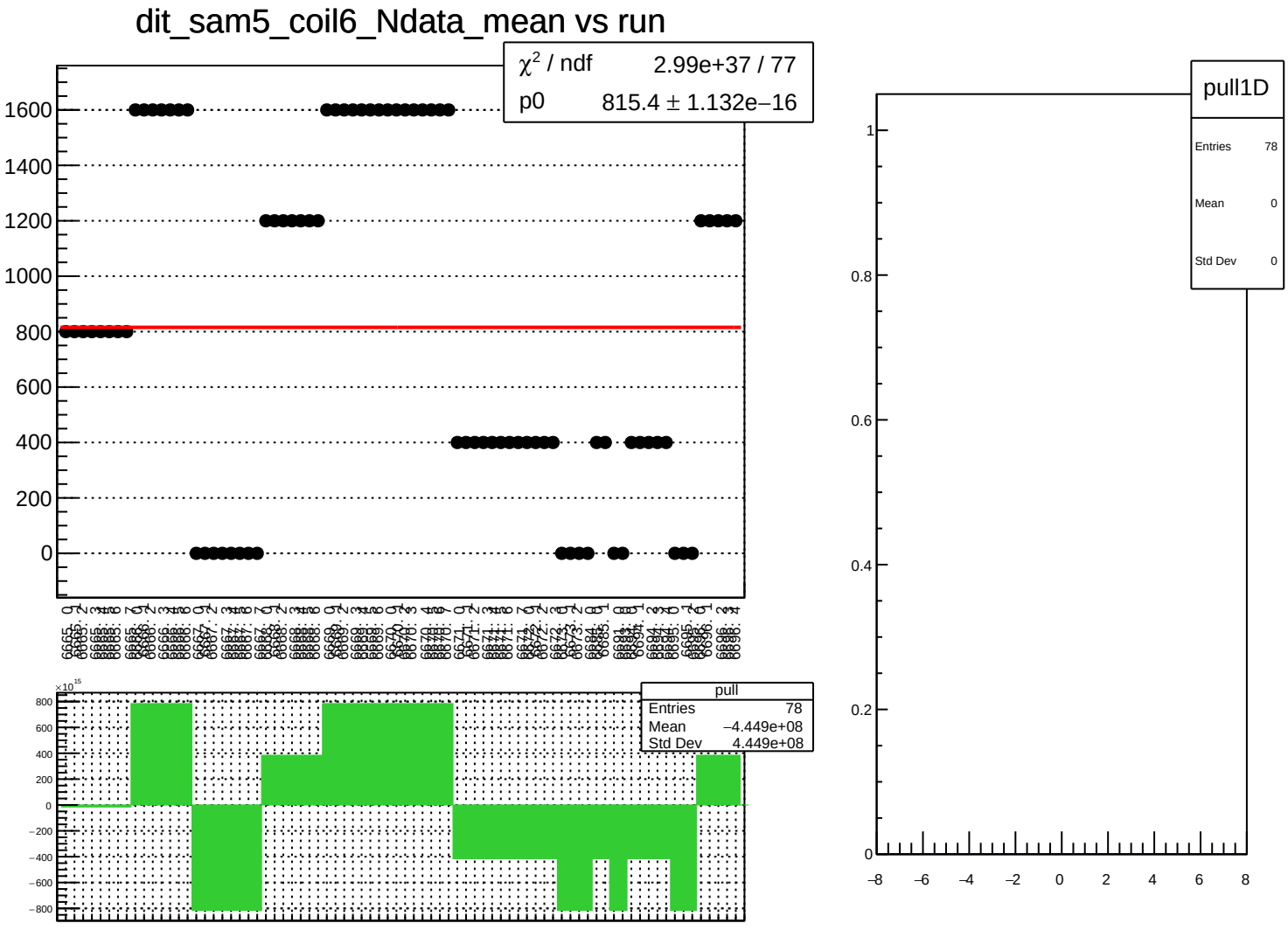

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

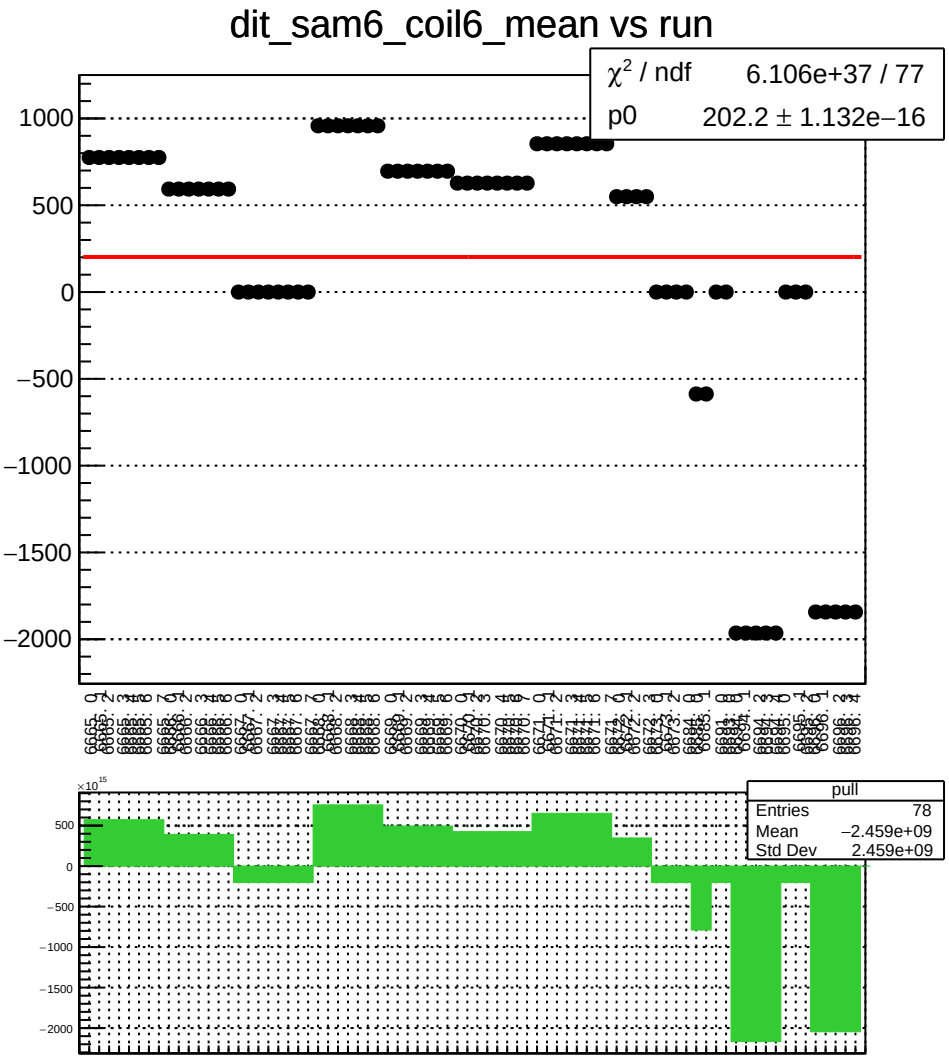

dit_sam5_coil6_mean vs run
χ² / ndf 7.819e+37 / 77
p0 883.8 ± 1.132e−16
2000
1500
1000
500
0
−500
−1000
pull
Entries 78
Mean 1.281e+09
Std Dev 1.281e+09
1000
500
0
−500
−1000
−1500
−2000

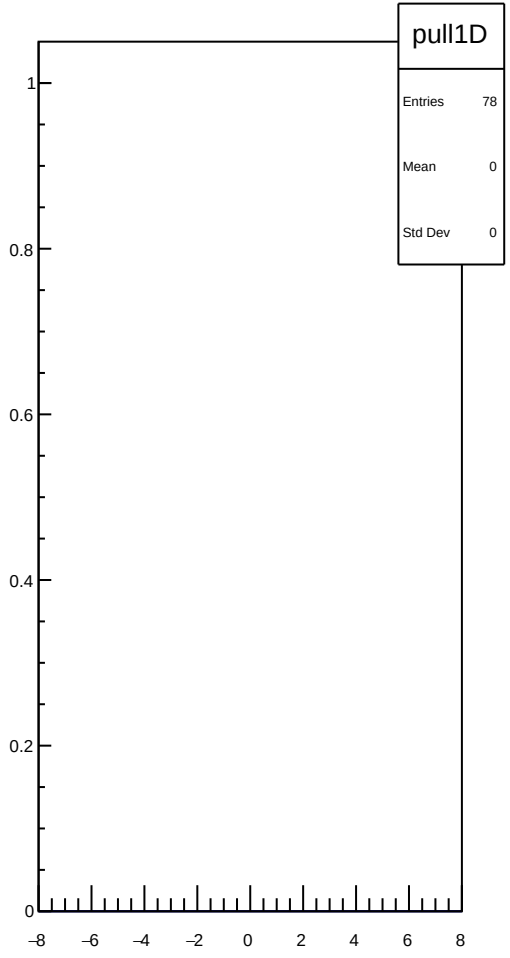

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

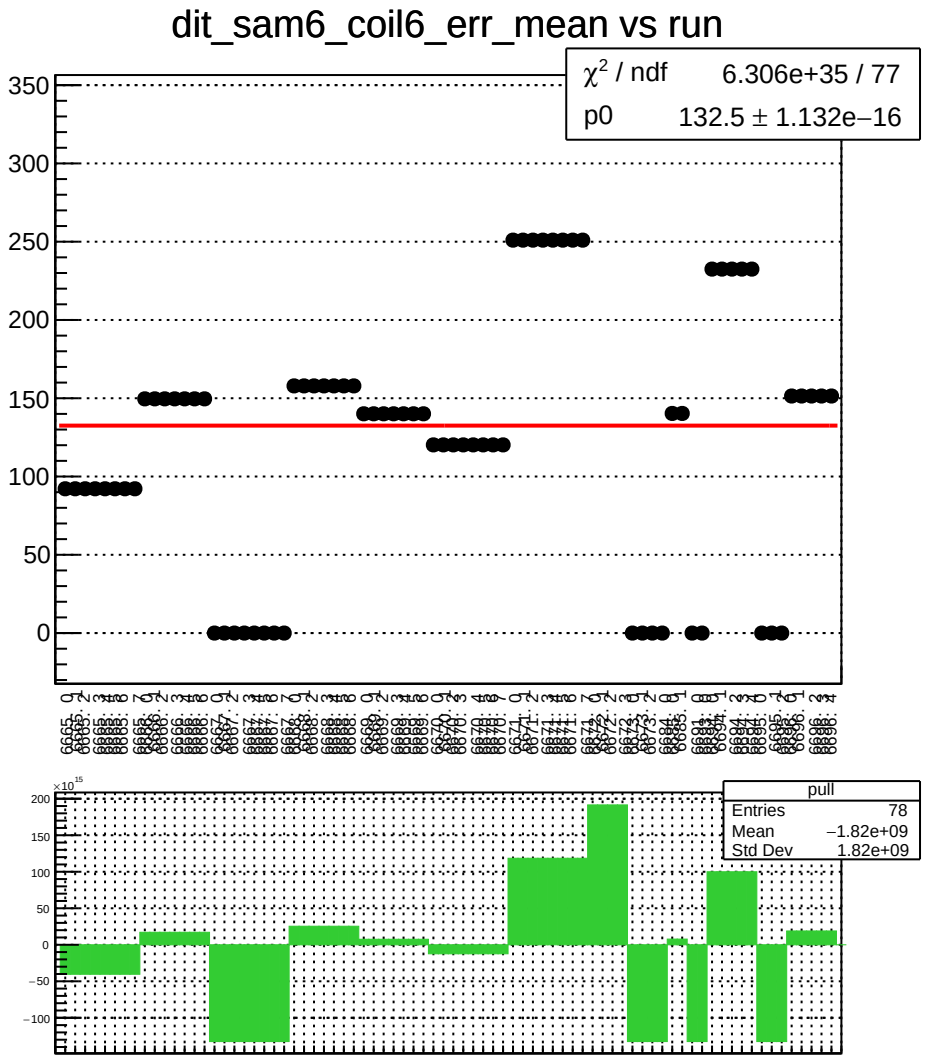

dit_sam5_coil6_err_mean vs run
χ² / ndf 1.19e+35 / 77
p0 61.03 ± 1.132e−16
pull
Entries 78
Mean 4.288e+08
Std Dev 4.288e+08

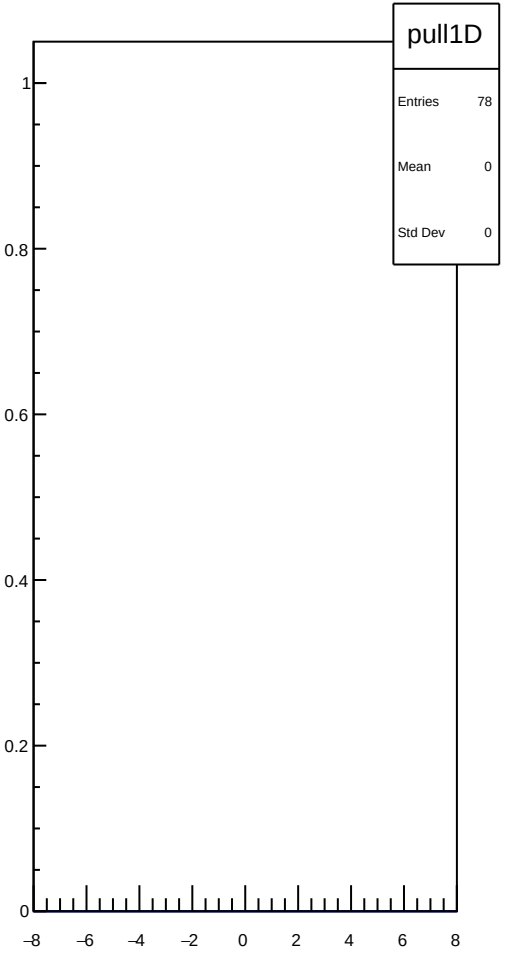

pull1D
Entries 78
Mean 0
Std Dev 0

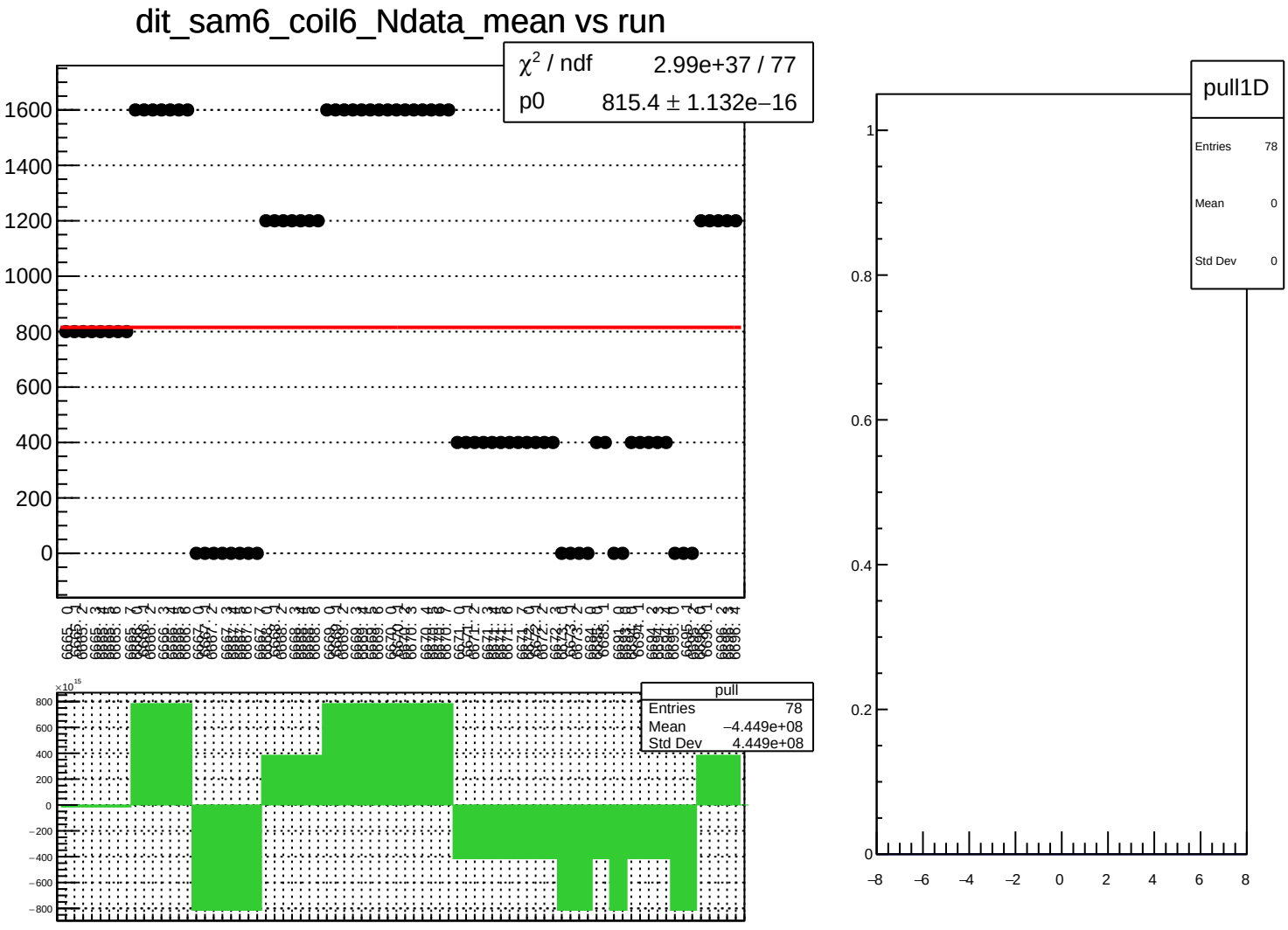

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

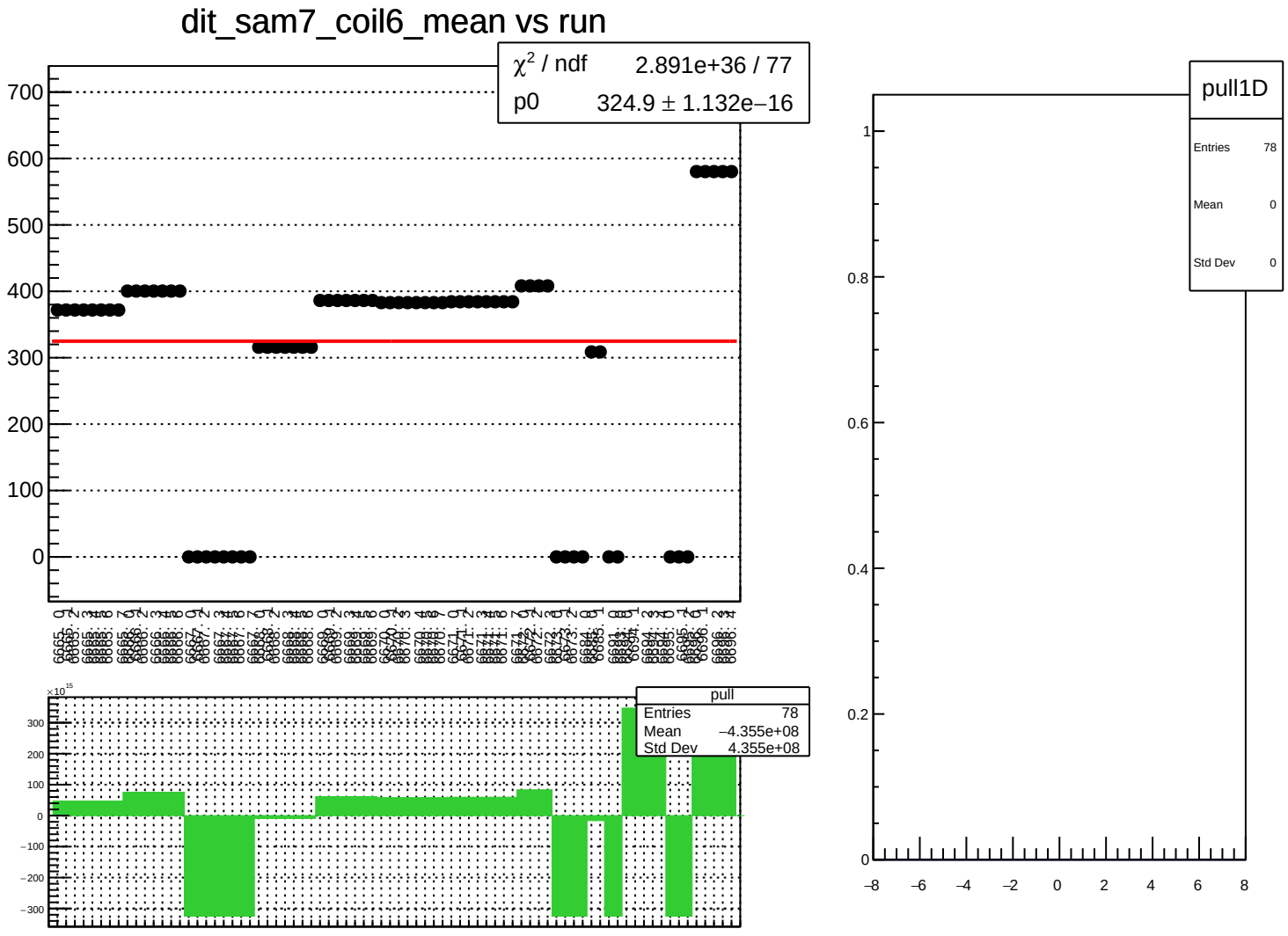

dit_sam6_coil6_mean vs run
χ² / ndf 6.106e+37 / 77
p0 202.2 ± 1.132e−16
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 78
Mean −2.459e+09
Std Dev 2.459e+09
×10¹⁵

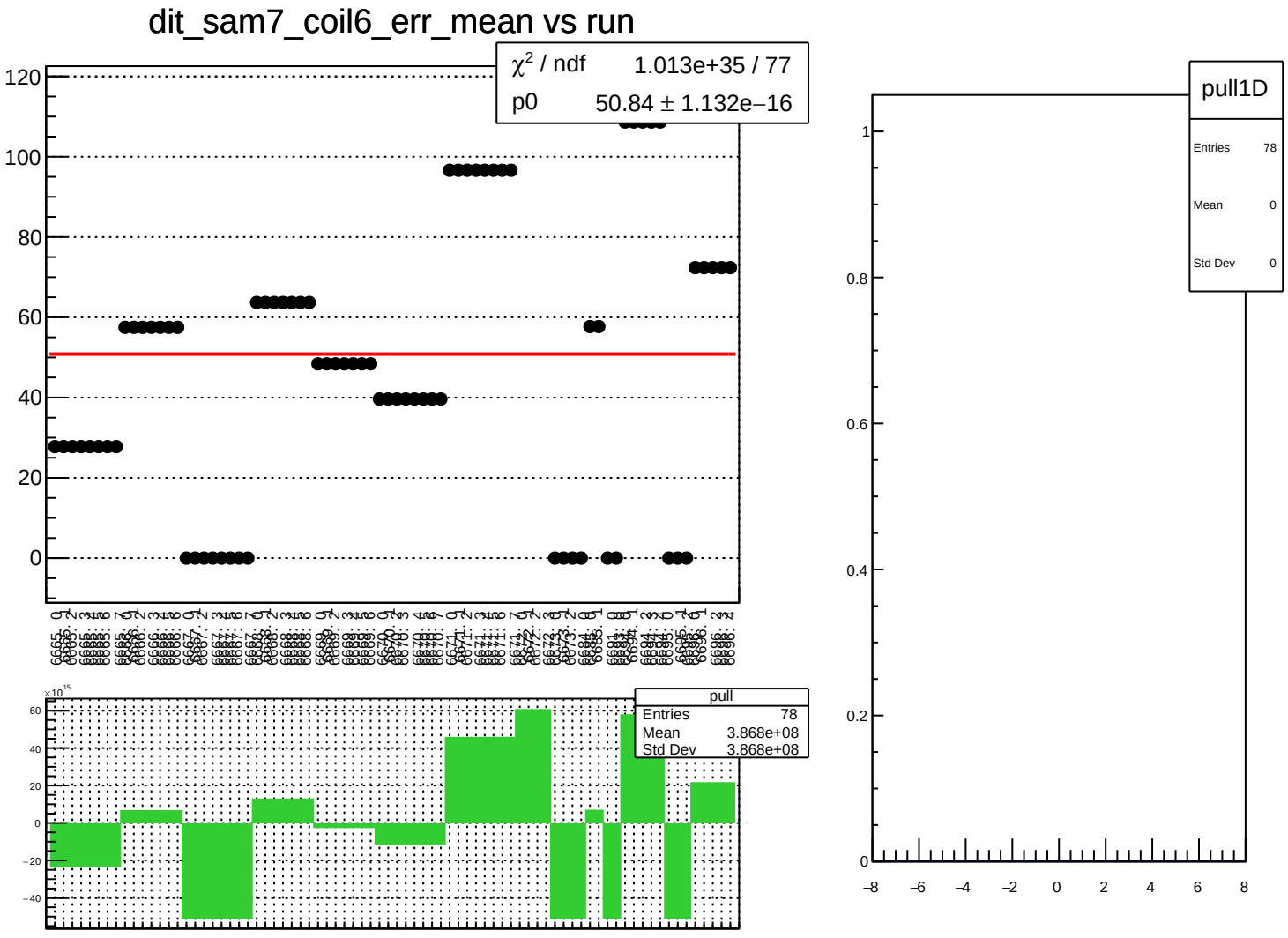

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

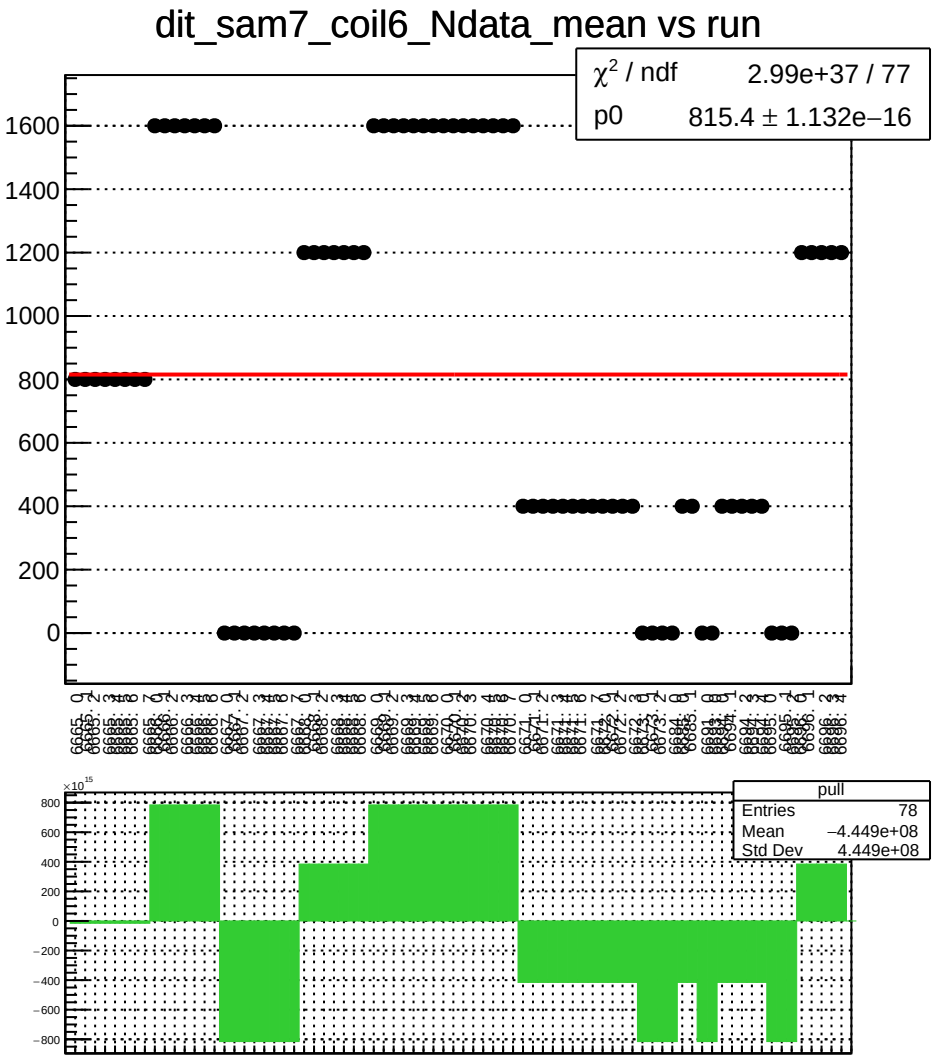

dit_sam6_coil6_err_mean vs run
χ² / ndf 6.306e+35 / 77
p0 132.5 ± 1.132e−16
pull
Entries 78
Mean −1.82e+09
Std Dev 1.82e+09

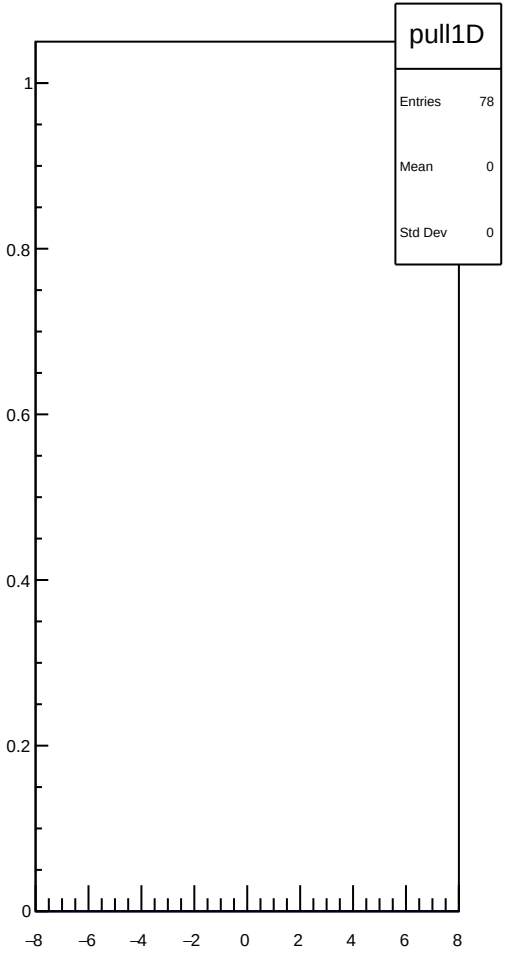

pull1D
Entries 78
Mean 0
Std Dev 0

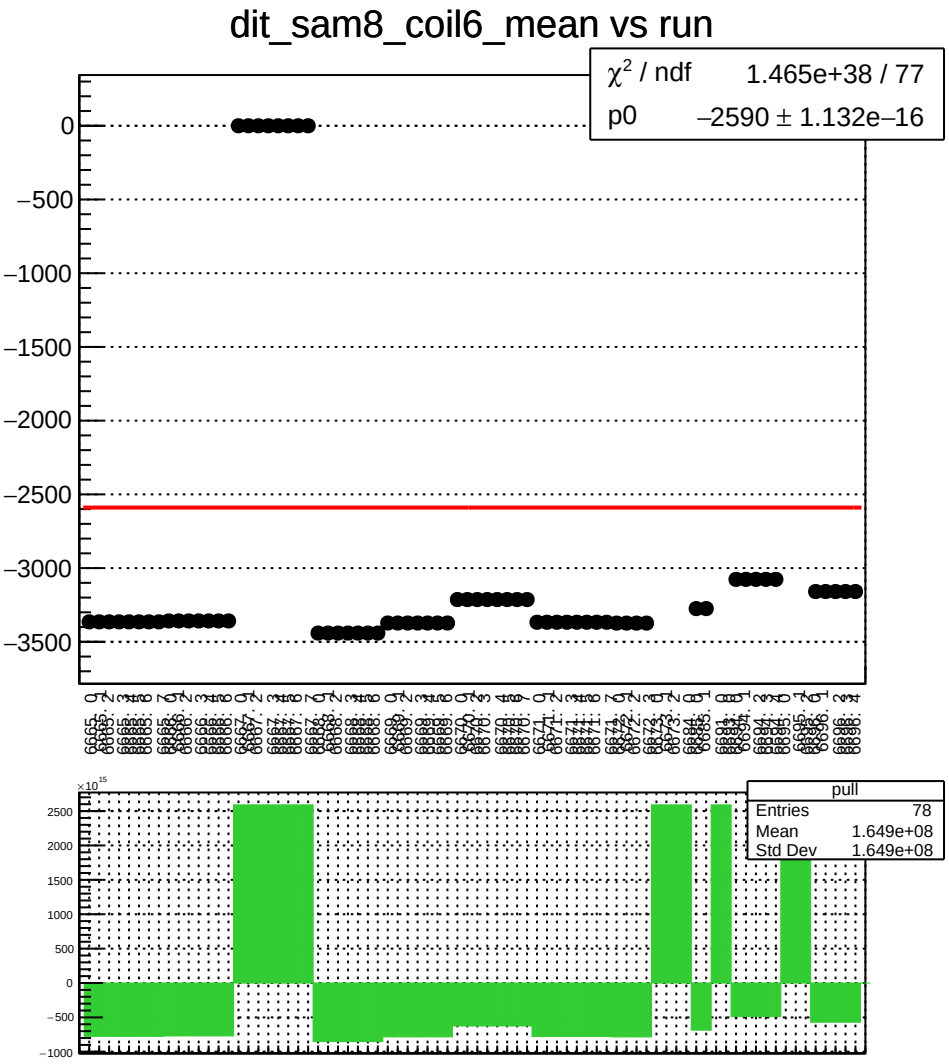

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
pull1D
Entries 78
Mean 0
Std Dev 0

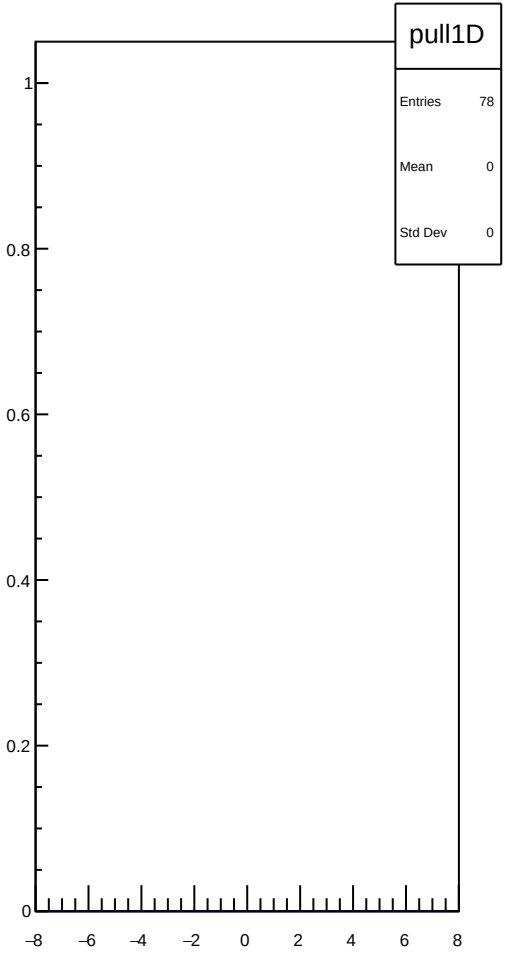

dit_sam7_coil6_mean vs run
χ² / ndf 2.891e+36 / 77
p0 324.9 ± 1.132e−16
700
600
500
400
300
200
100
0
pull
Entries 78
Mean −4.355e+08
Std Dev 4.355e+08
×10¹⁵
300
200
100
0
−100
−200
−300
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

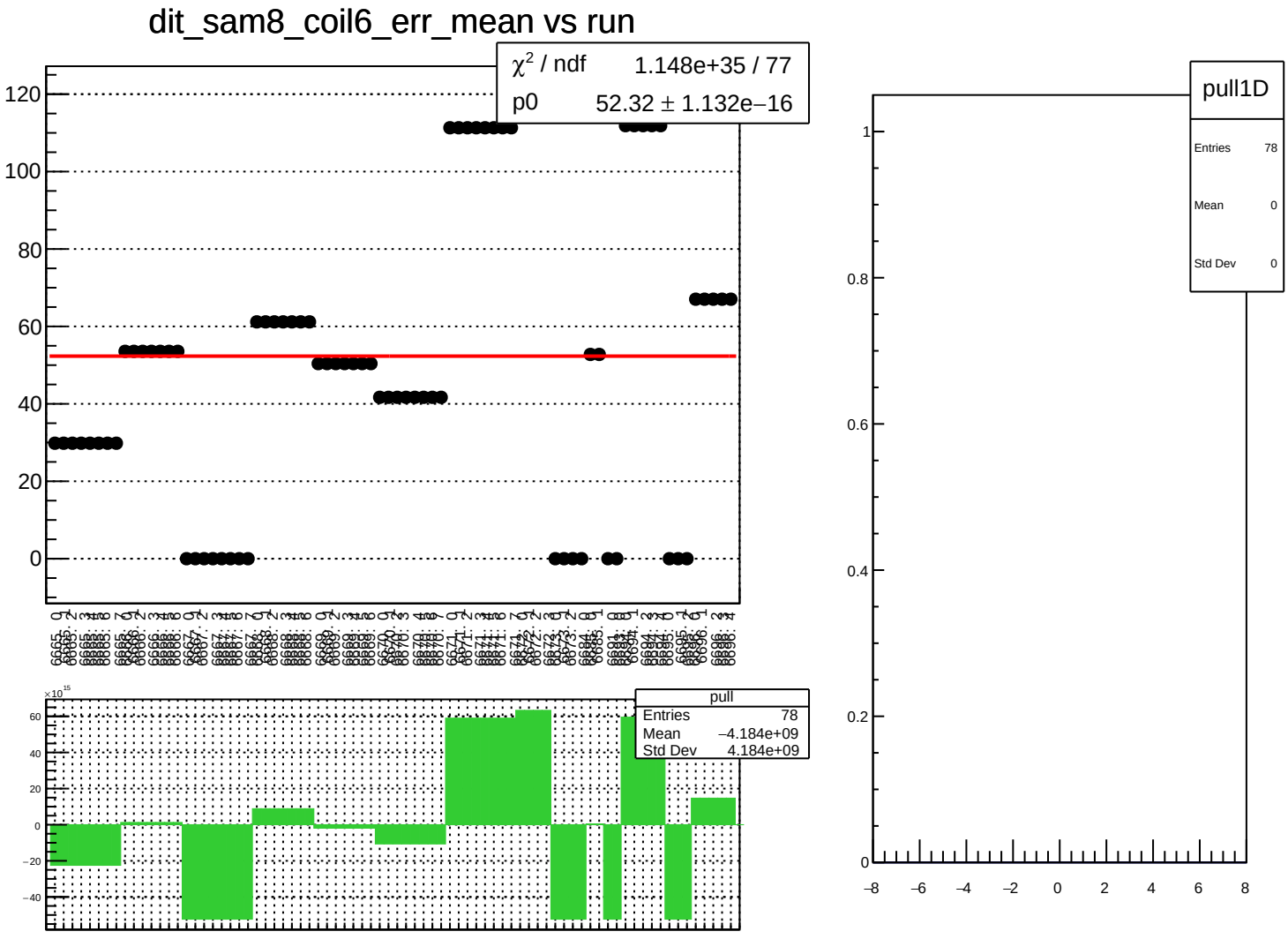

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.013e+35 / 77
p0 50.84 ± 1.132e−16
pull
Entries 78
Mean 3.868e+08
Std Dev 3.868e+08
pull1D
Entries 78
Mean 0
Std Dev 0

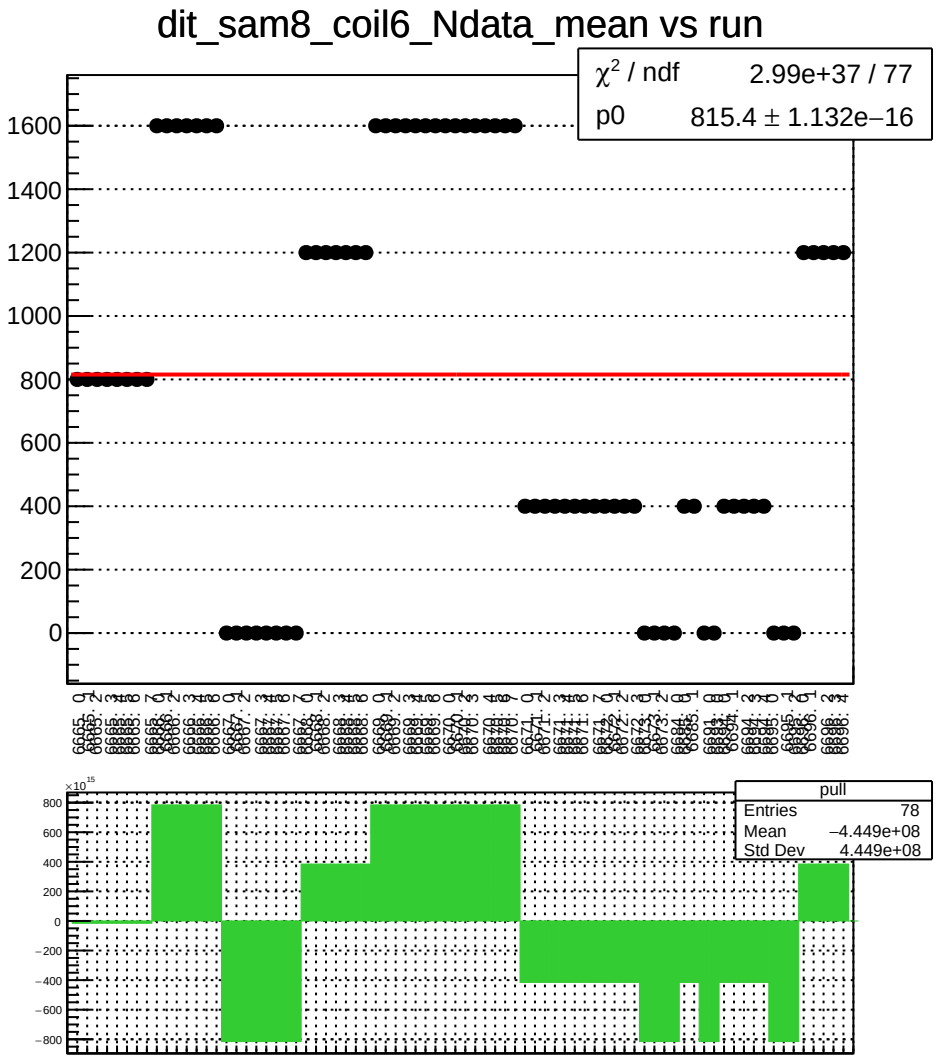

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

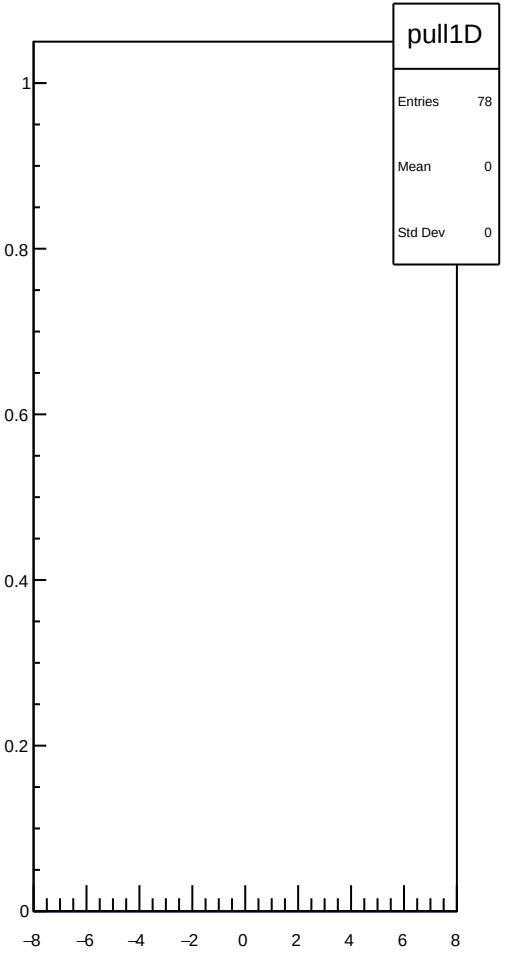

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

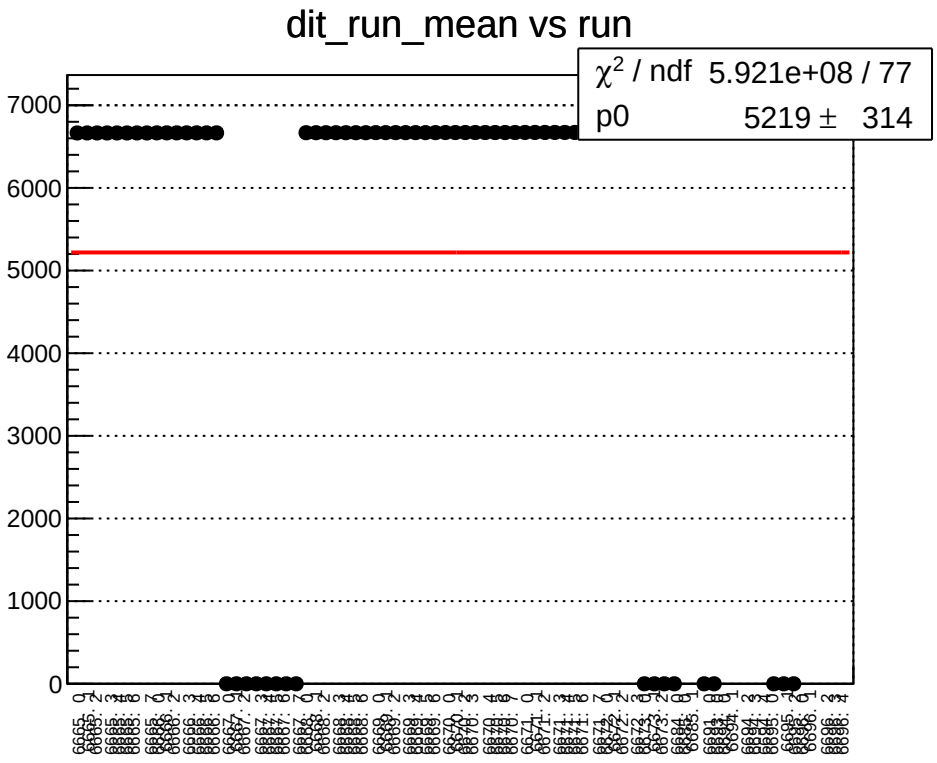

dit_sam8_coil6_mean vs run
χ² / ndf 1.465e+38 / 77
p0 −2590 ± 1.132e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 78
Mean 1.649e+08
Std Dev 1.649e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000

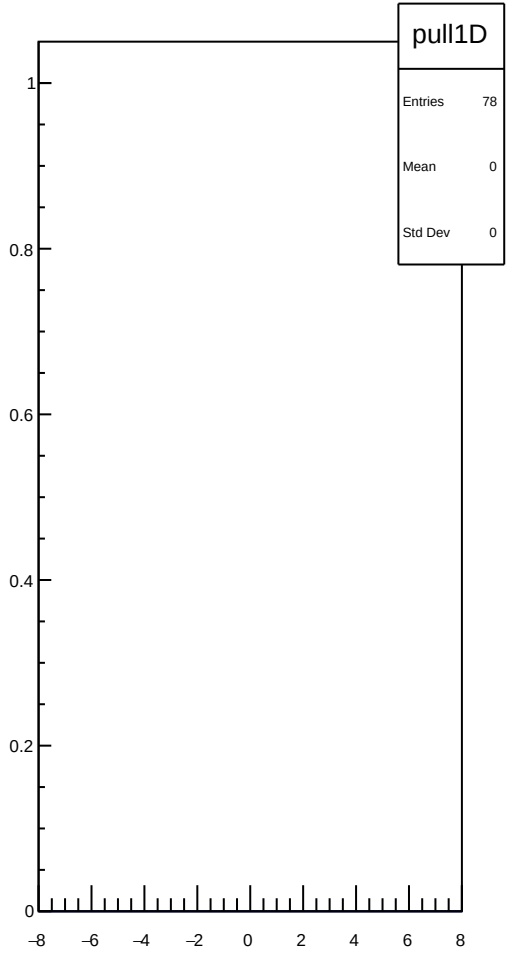

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil6_err_mean vs run
χ² / ndf 1.148e+35 / 77
p0 52.32 ± 1.132e−16
pull
Entries 78
Mean −4.184e+09
Std Dev 4.184e+09
pull1D
Entries 78
Mean 0
Std Dev 0

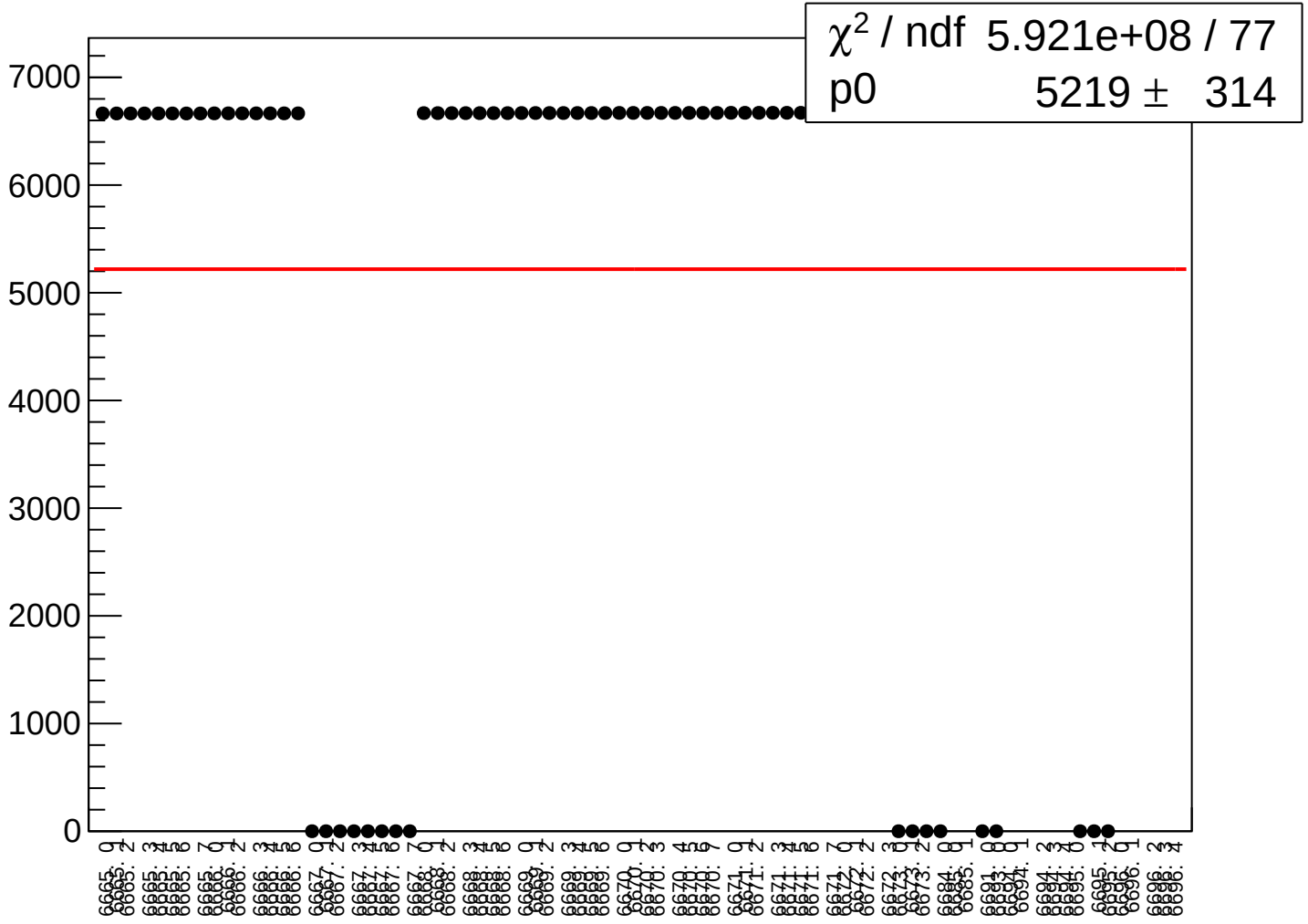

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.99e+37 / 77
p0 815.4 ± 1.132e−16
pull
Entries 78
Mean −4.449e+08
Std Dev 4.449e+08

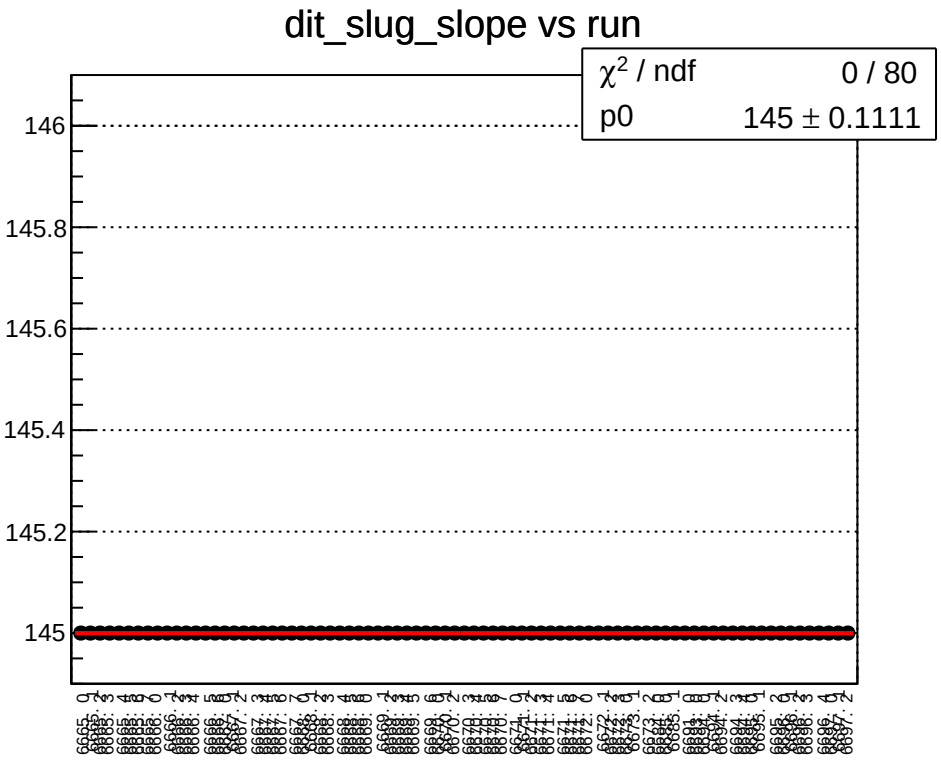

pull1D
Entries 78
Mean 0
Std Dev 0

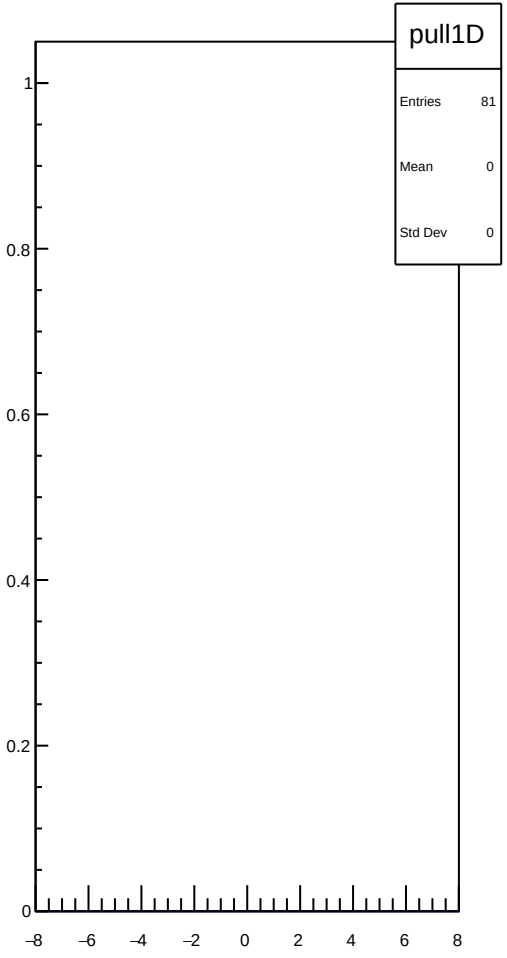

dit_run_mean vs run
χ^2 / ndf 5.921e+08 / 77
p0 5219 ± 314
7000
6000
5000
4000
3000
2000
1000
0

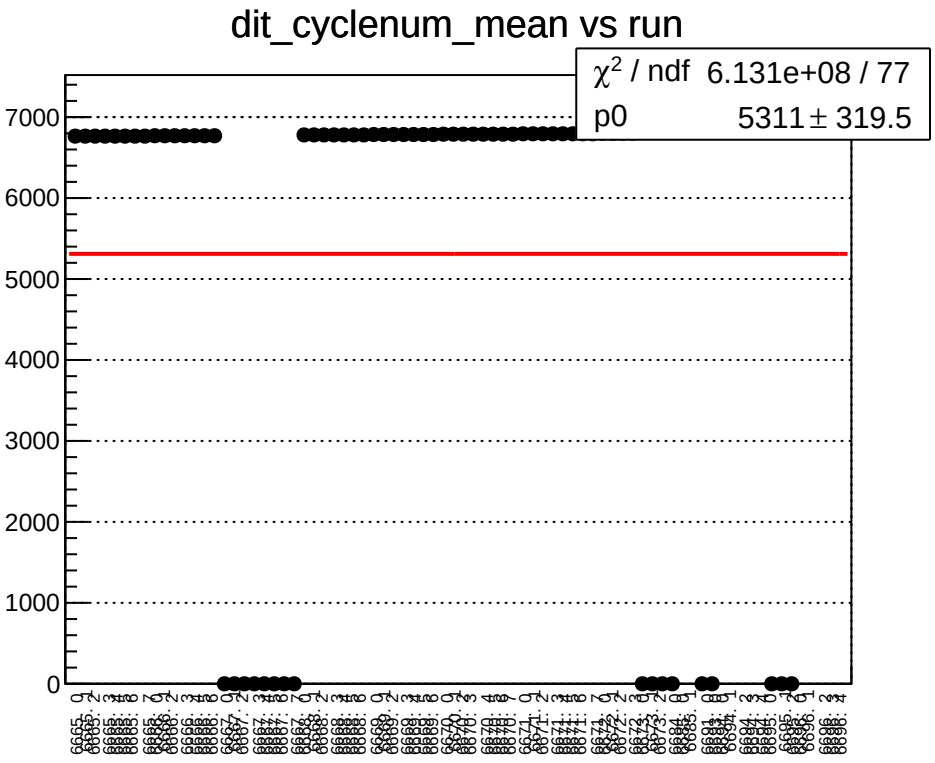

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

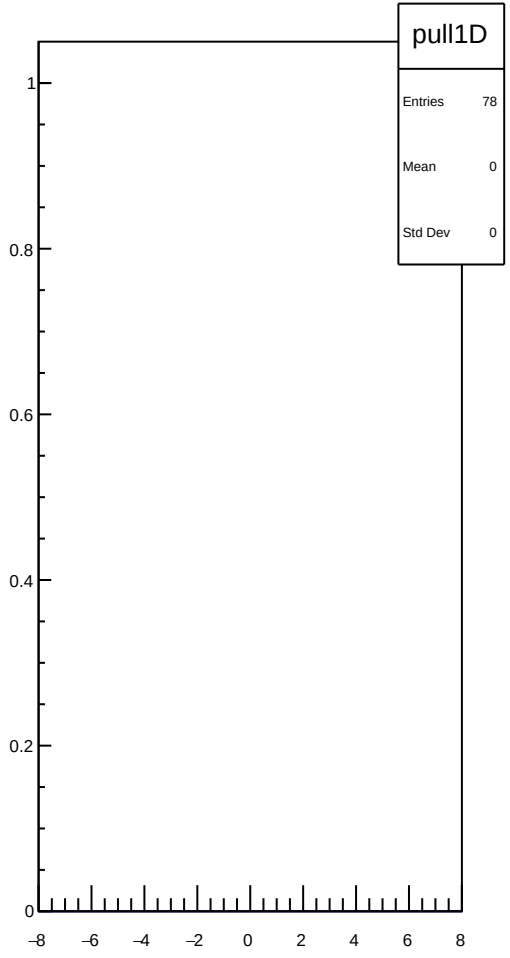
dit_run_rms vs run

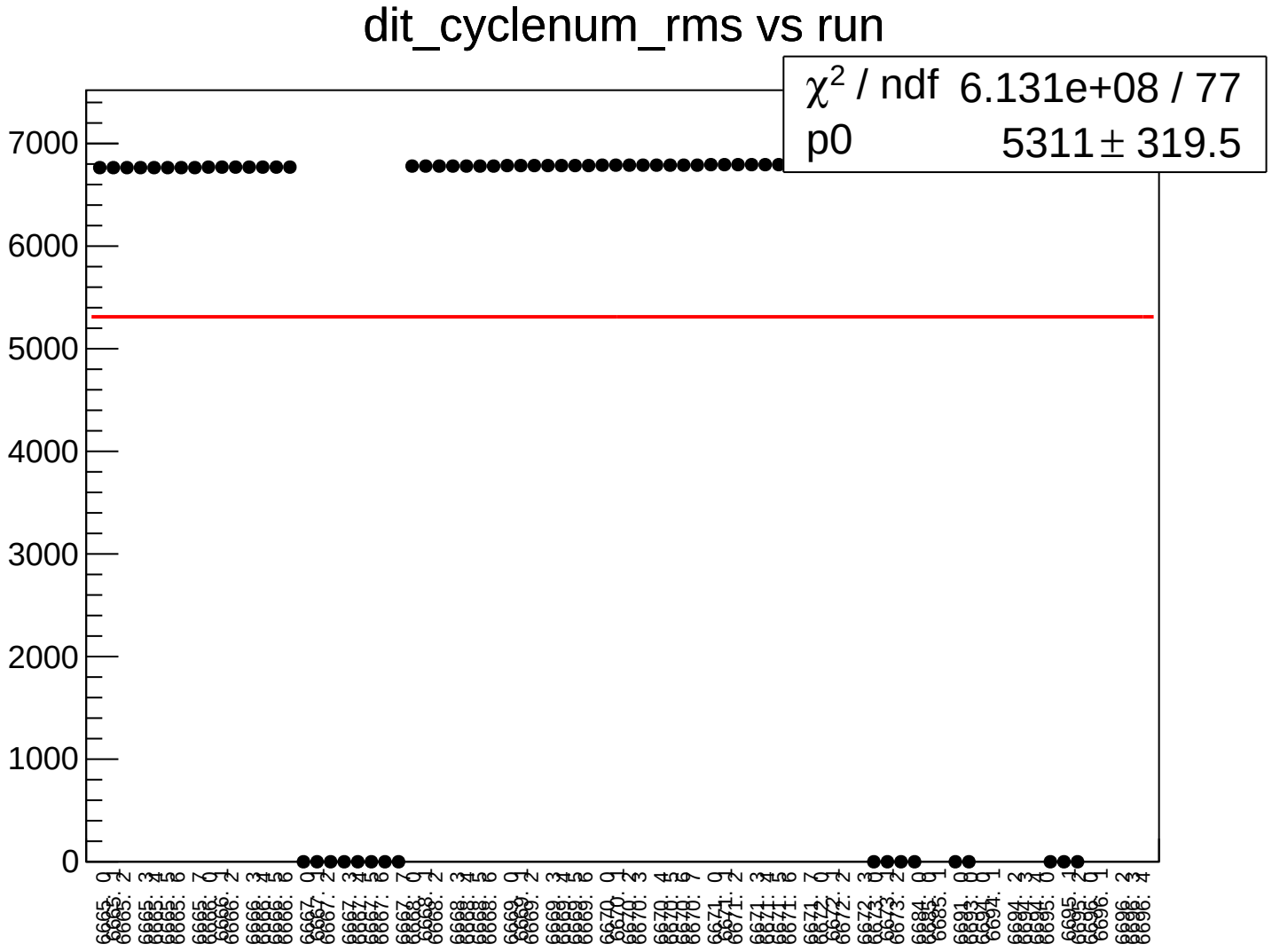


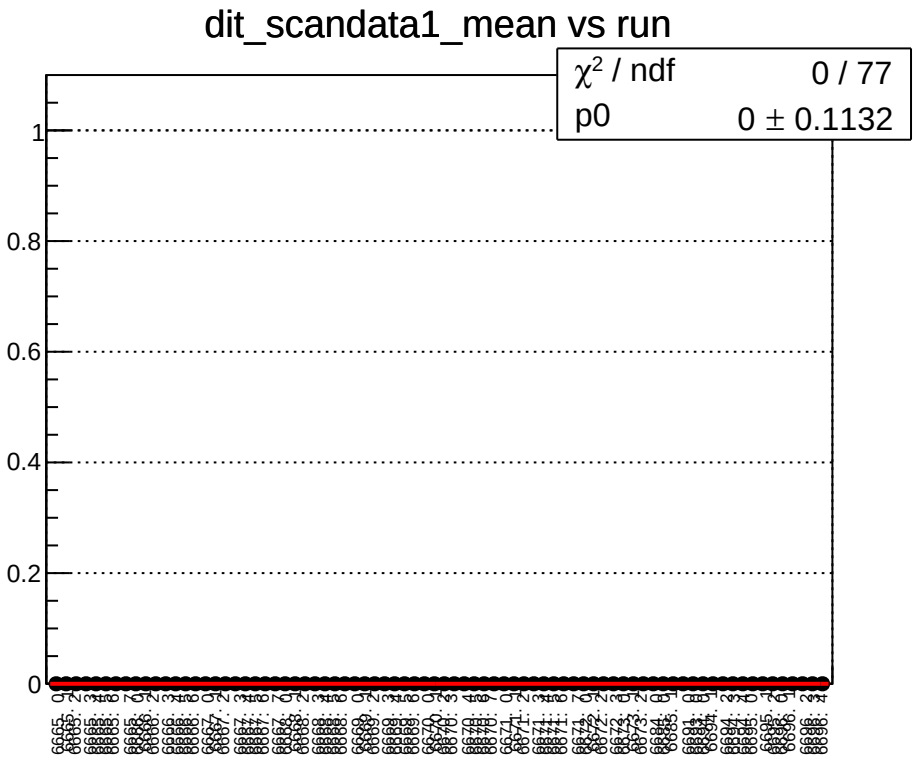

dit_slug_slope vs run
χ^2 / ndf 0 / 80
p0 145 ± 0.1111
146
145.8
145.6
145.4
145.2
145

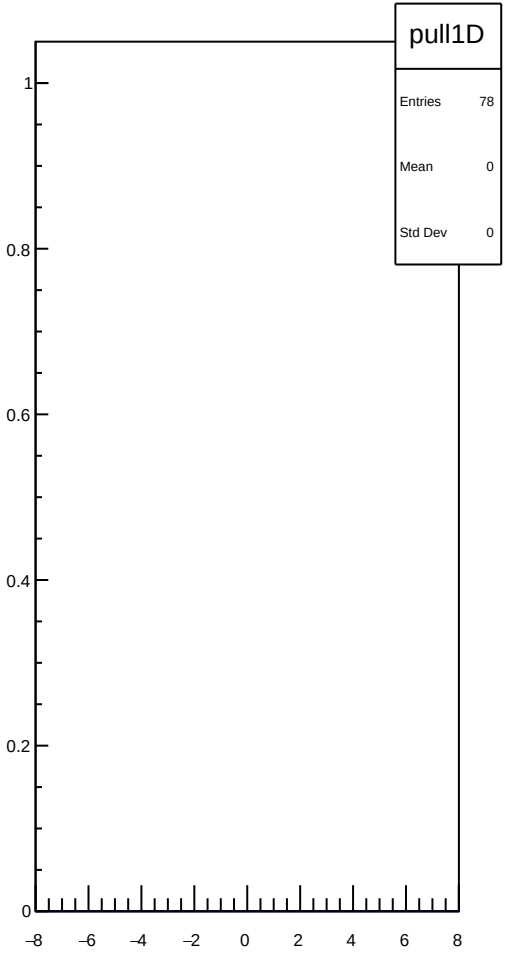

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 6.131e+08 / 77
p0 5311 ± 319.5
7000
6000
5000
4000
3000
2000
1000
0

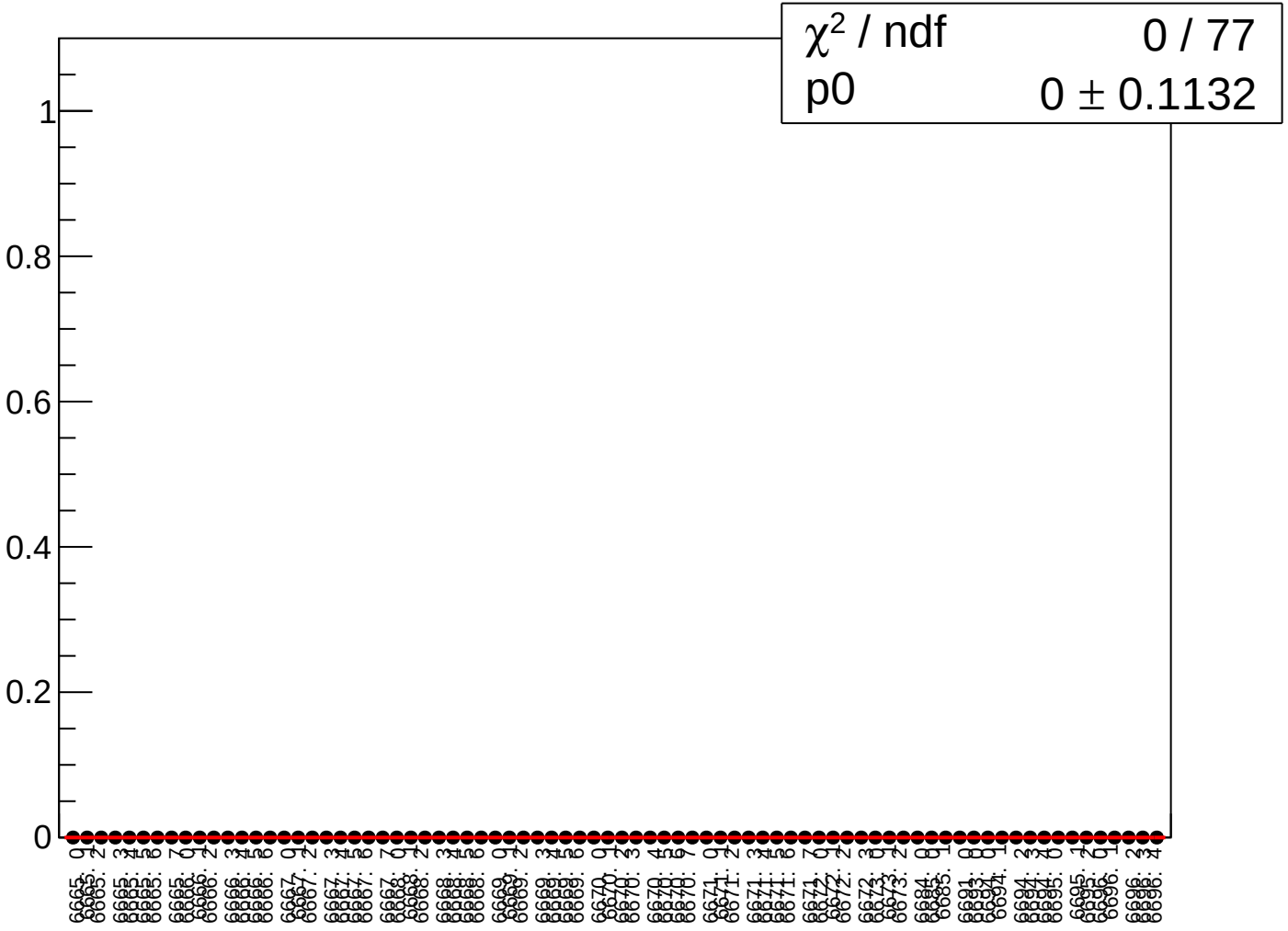

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

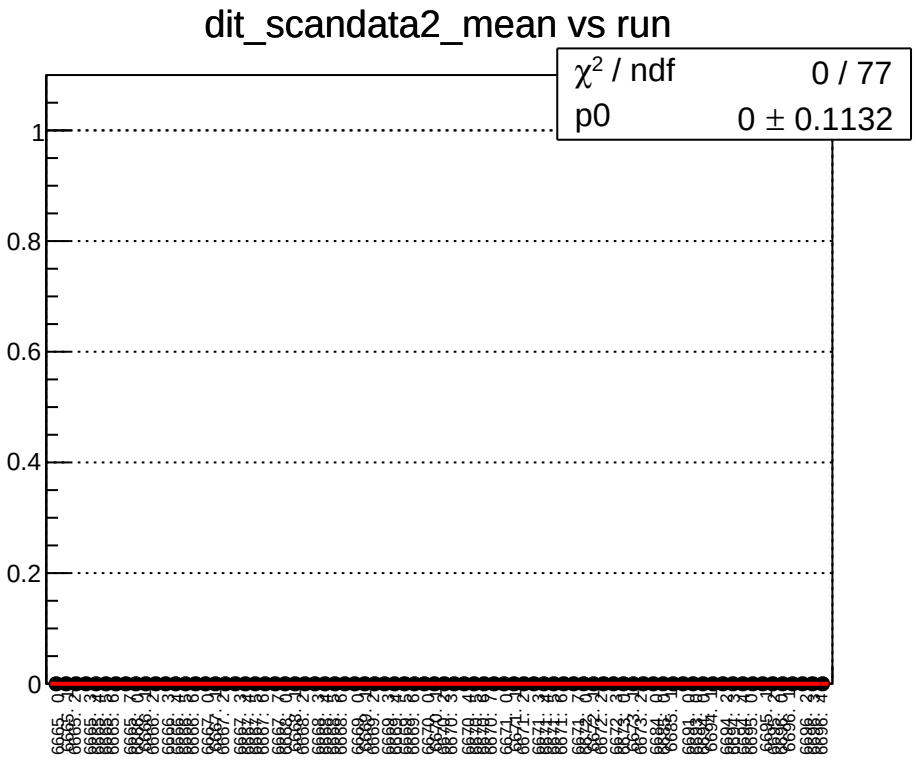

dit_cyclenum_rms vs run
χ^2 / ndf 6.131e+08 / 77
p0 5311 ± 319.5
7000
6000
5000
4000
3000
2000
1000
0

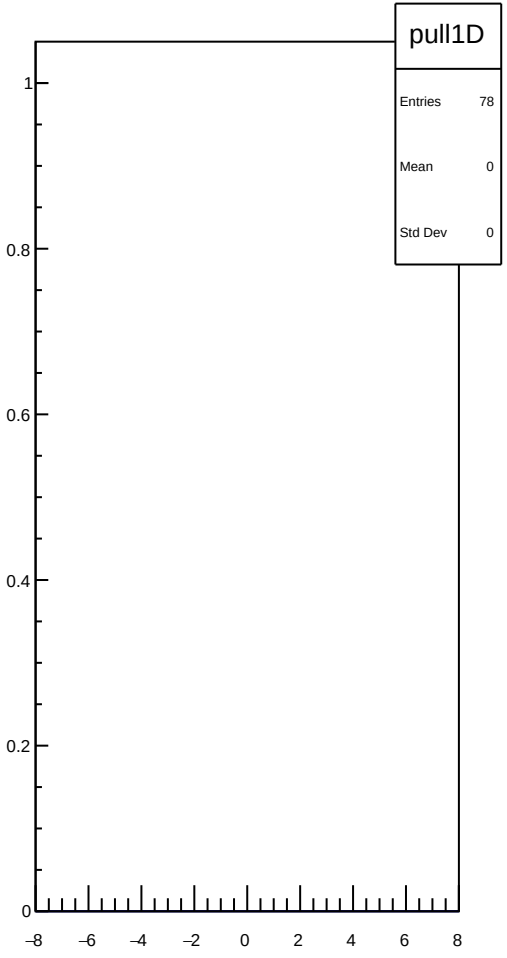

dit_scandata1_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

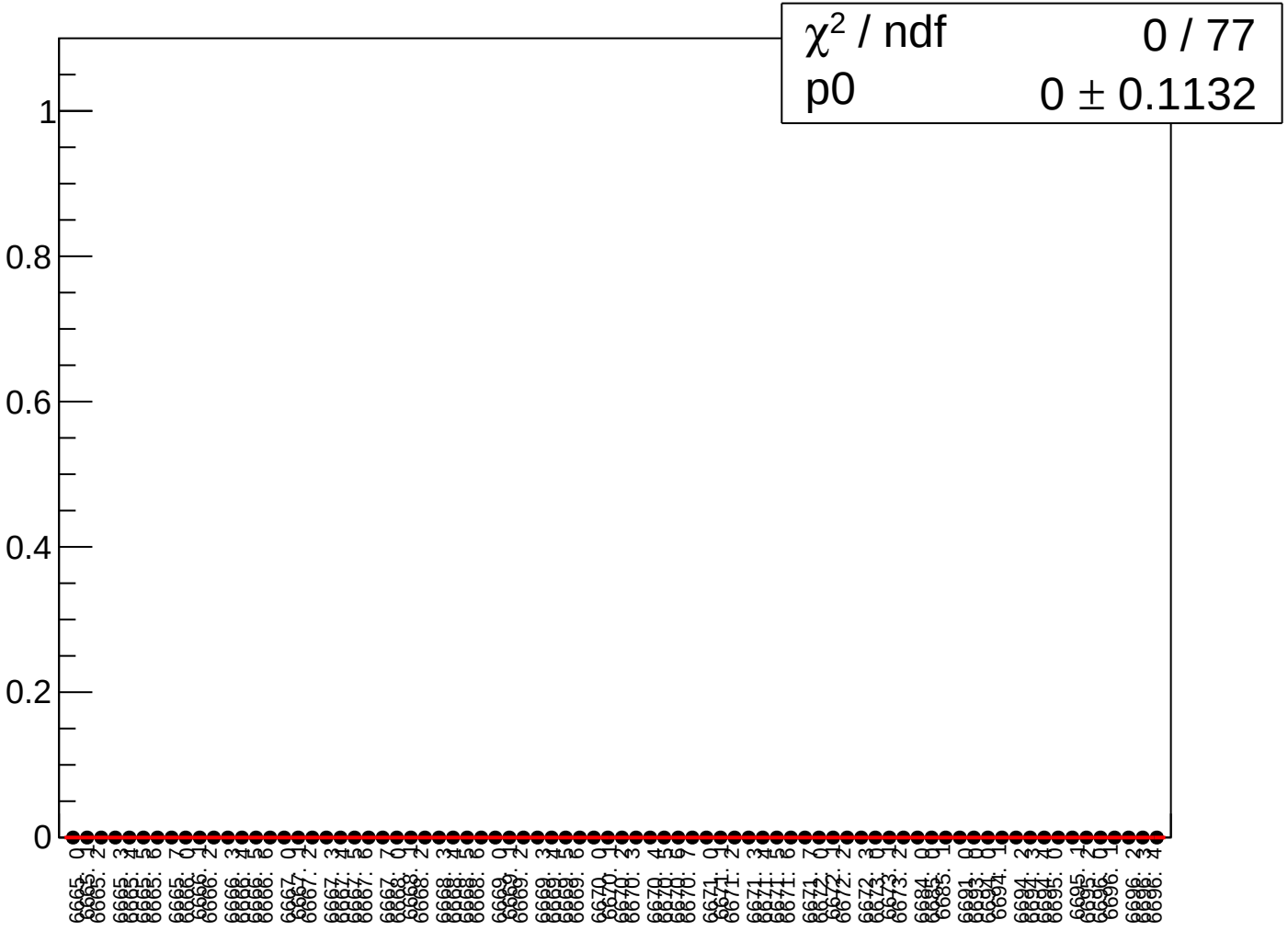
dit_scandata1_rms vs run

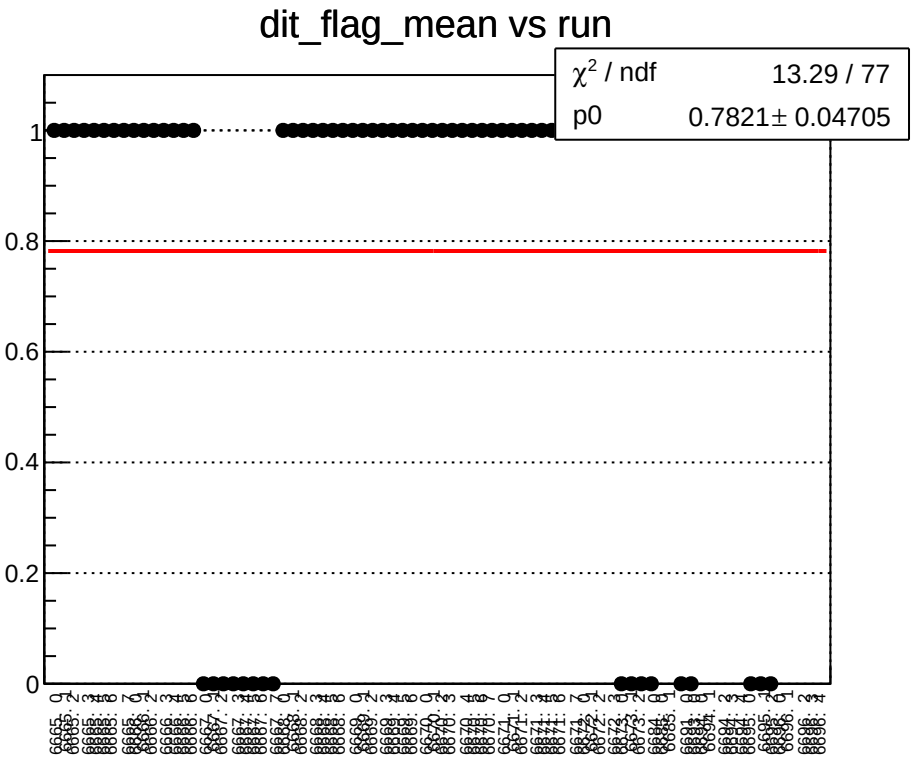


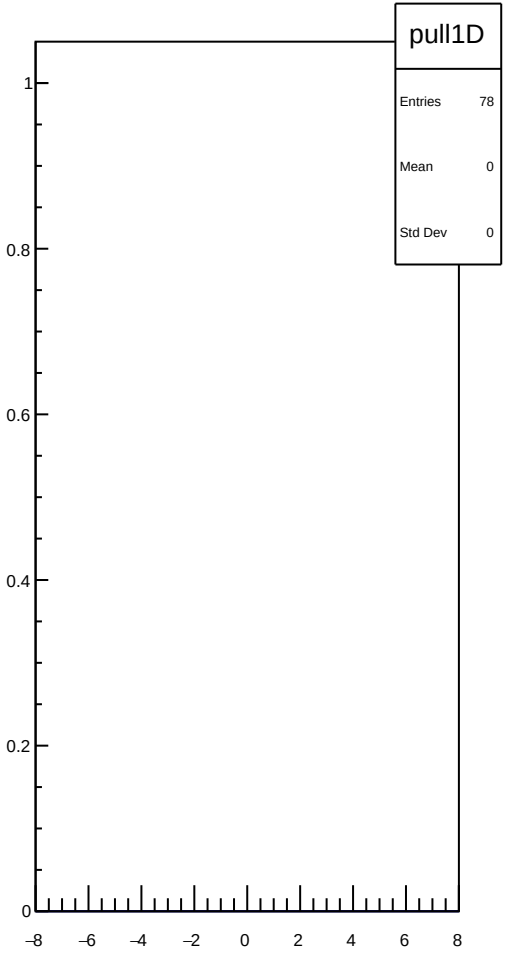

dit_scandata2_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

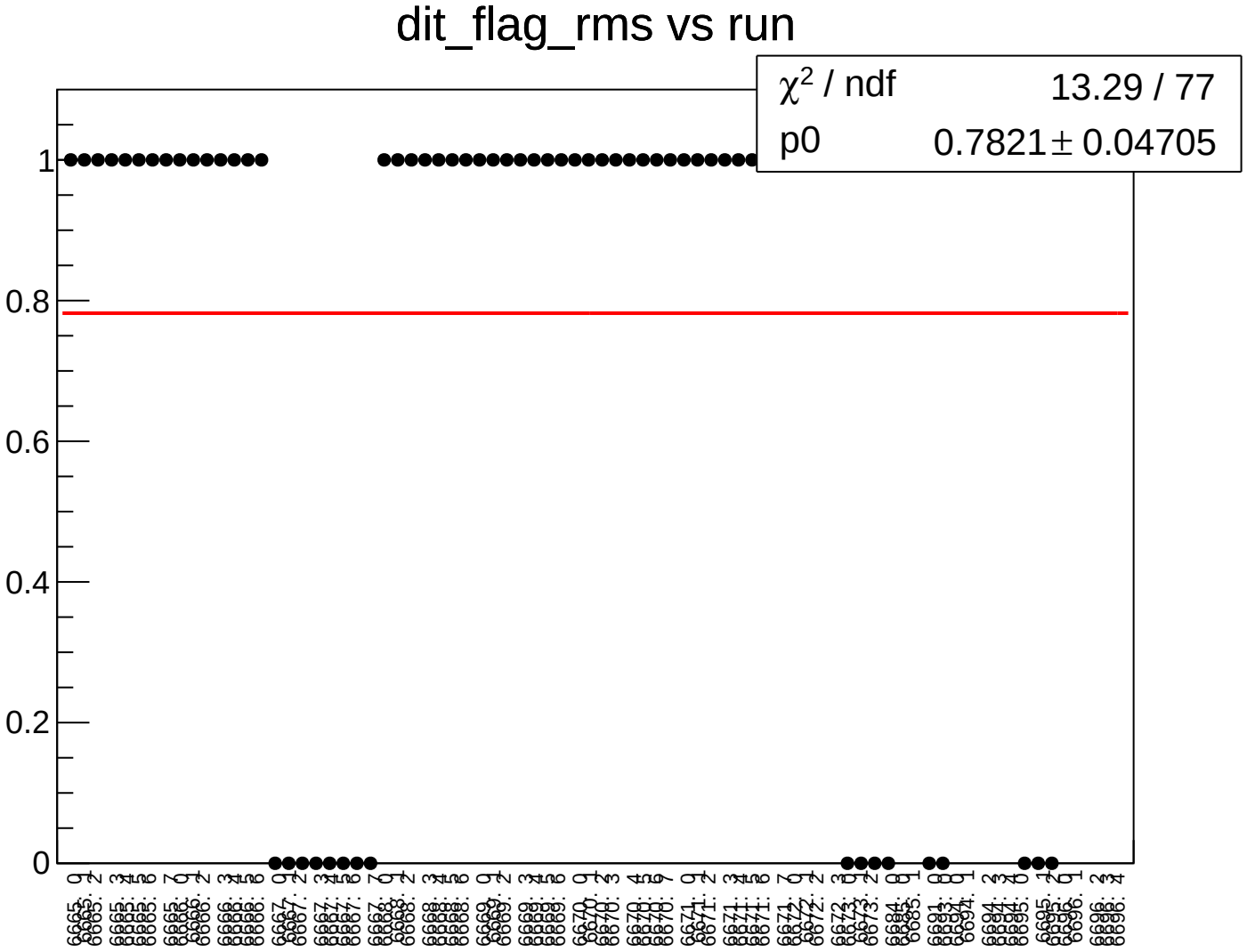

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

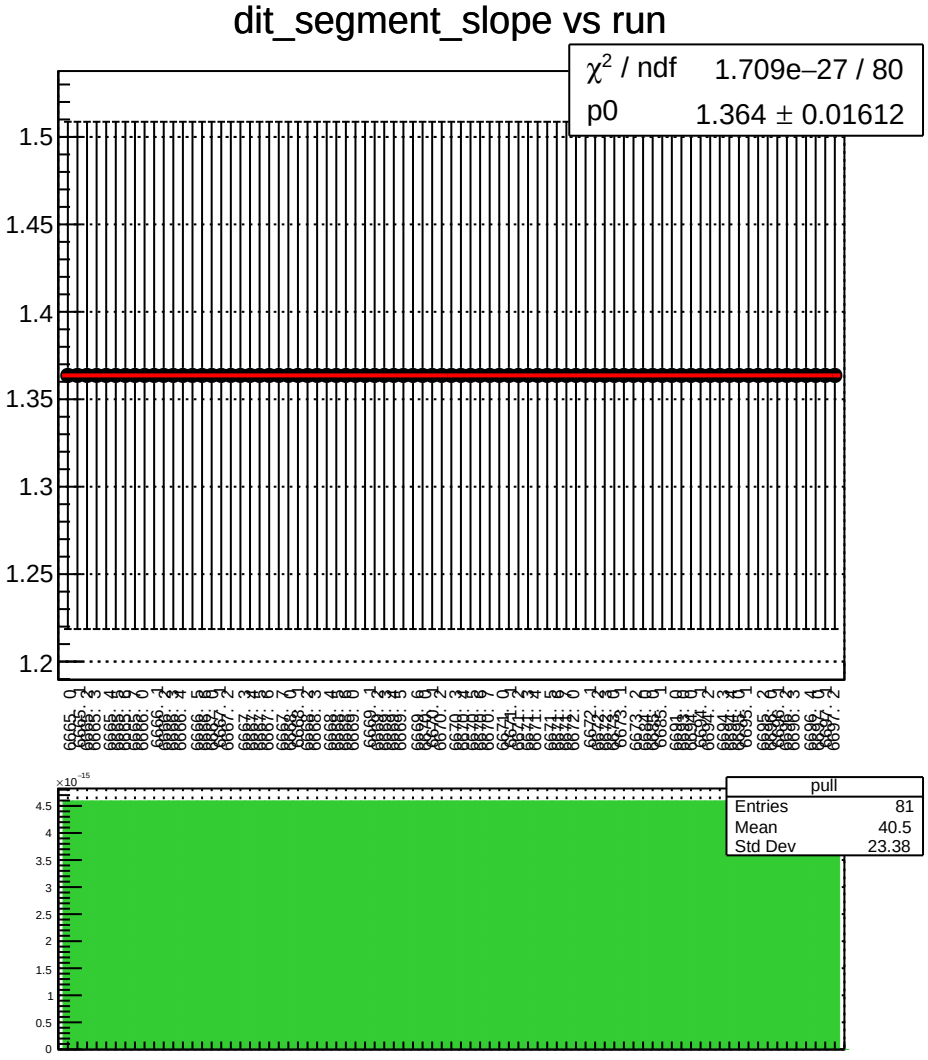
dit_scandata2_rms vs run

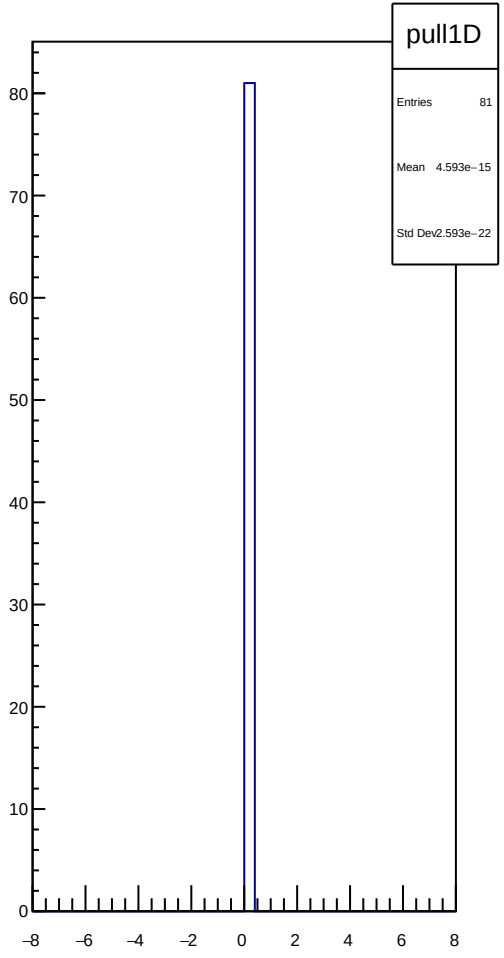


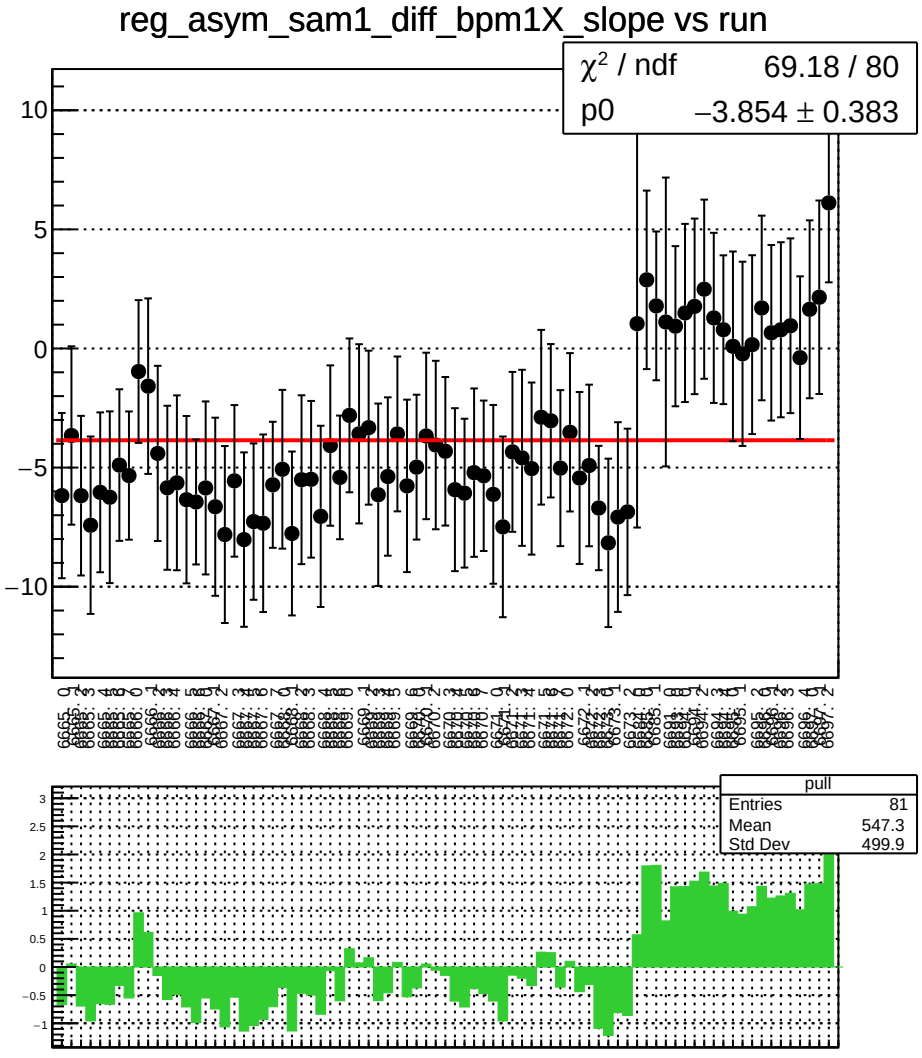

dit_flag_mean vs run
χ^2 / ndf 13.29 / 77
p0 0.7821± 0.04705
1
0.8
0.6
0.4
0.2
0

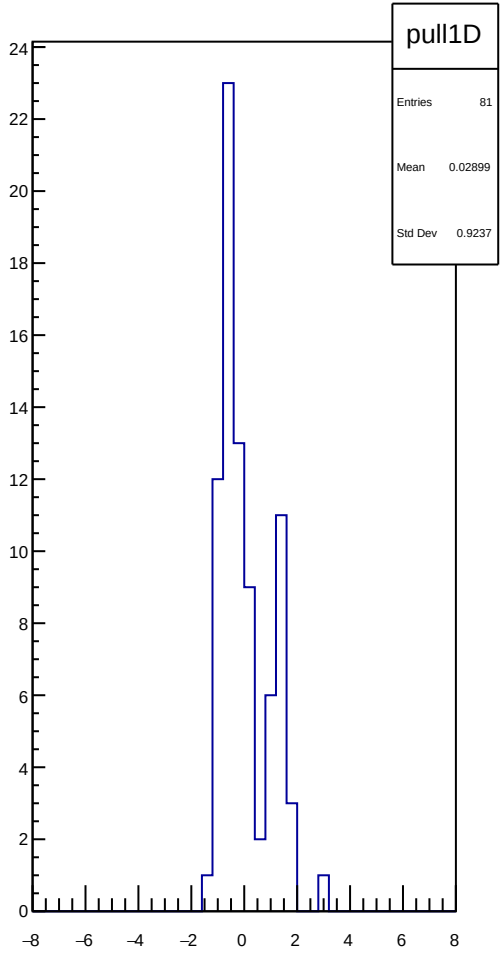

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

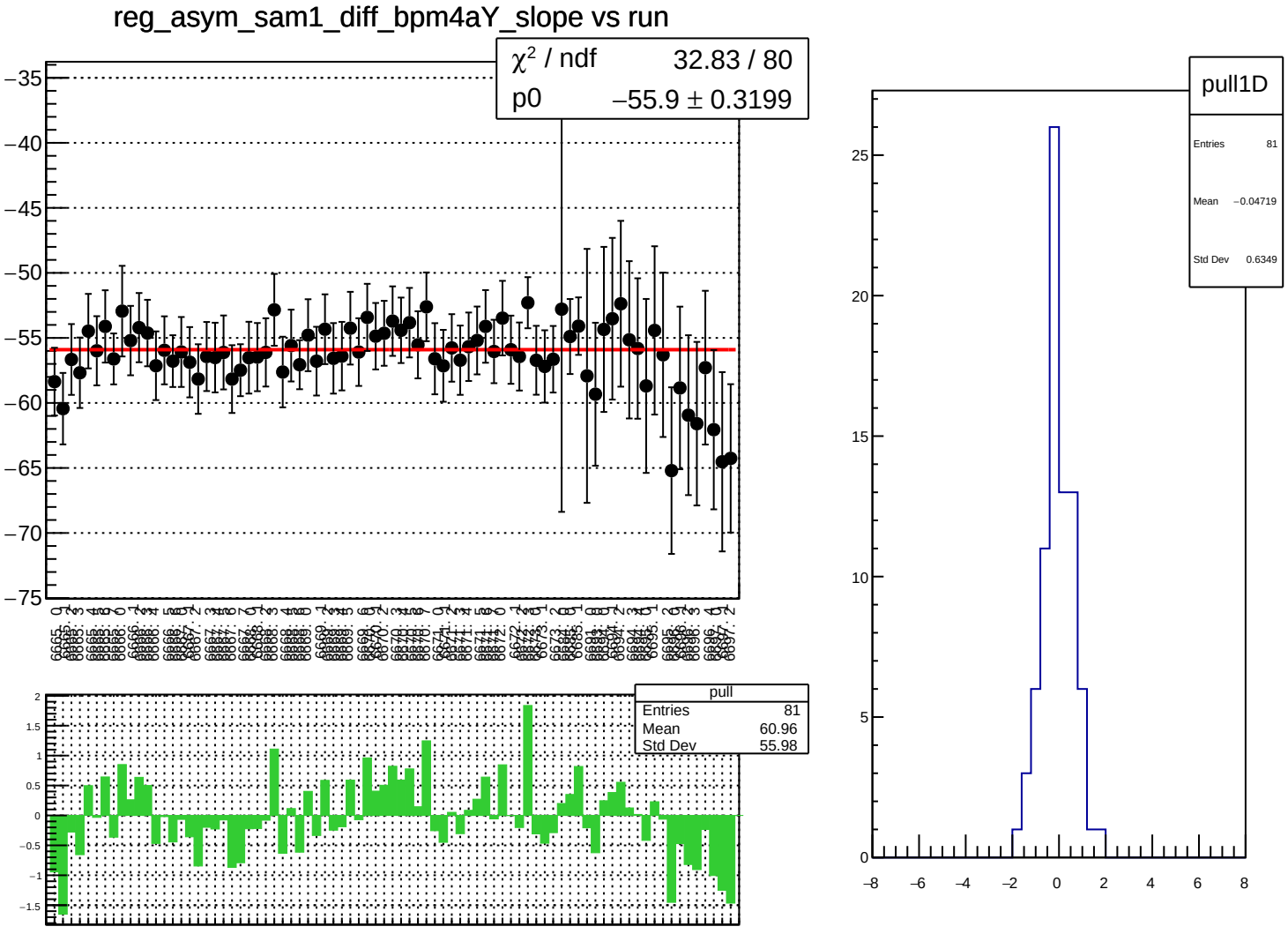

dit_flag_rms vs run
χ2 / ndf 13.29 / 77
p0 0.7821 ± 0.04705
1
0.8
0.6
0.4
0.2
0

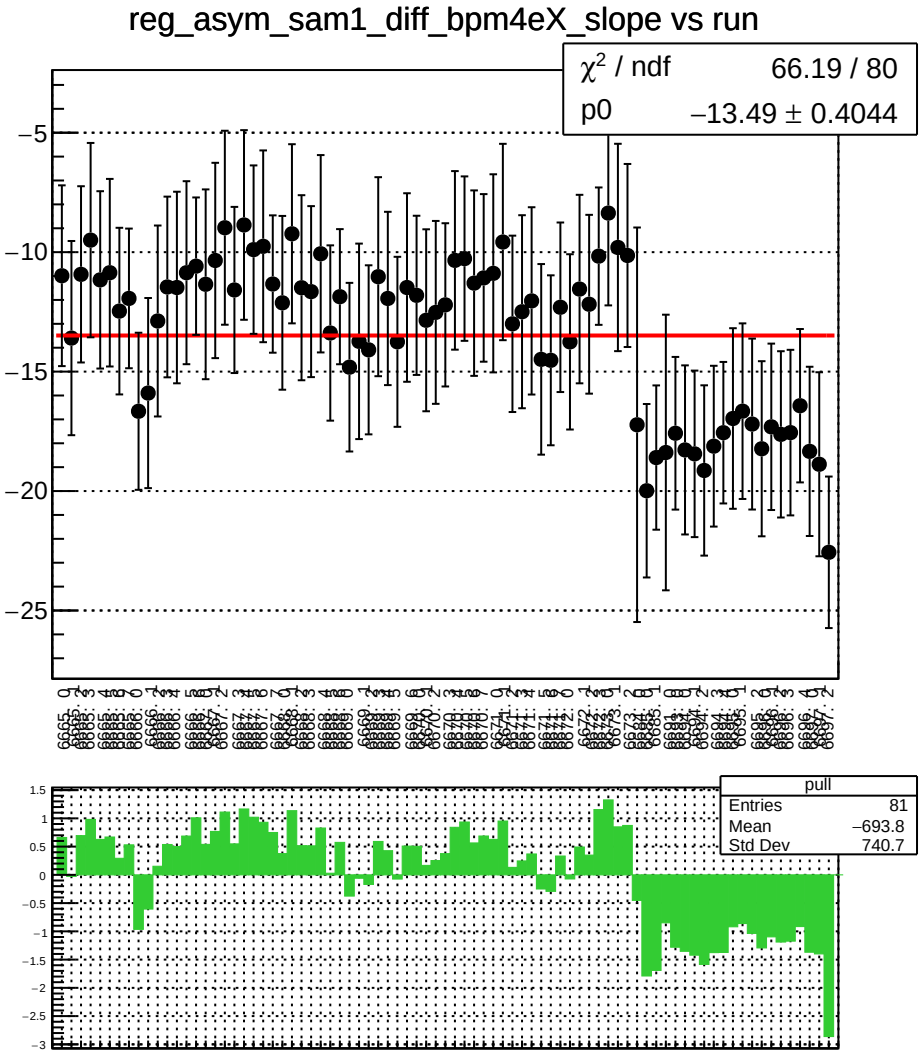

dit_segment_slope vs run
χ^2 / ndf 1.709e−27 / 80
p0 1.364 ± 0.01612
1.5
1.45
1.4
1.35
1.3
1.25
1.2
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

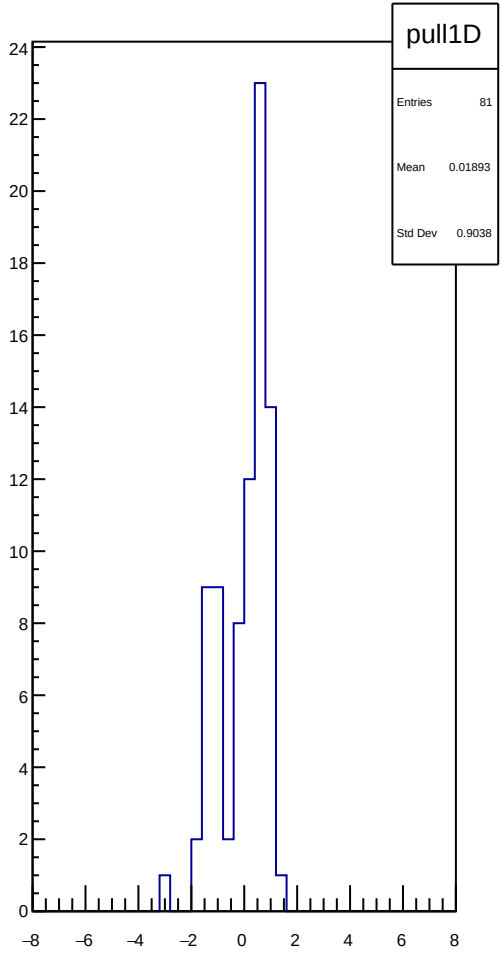

pull1D
Entries 81
Mean 4.593e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

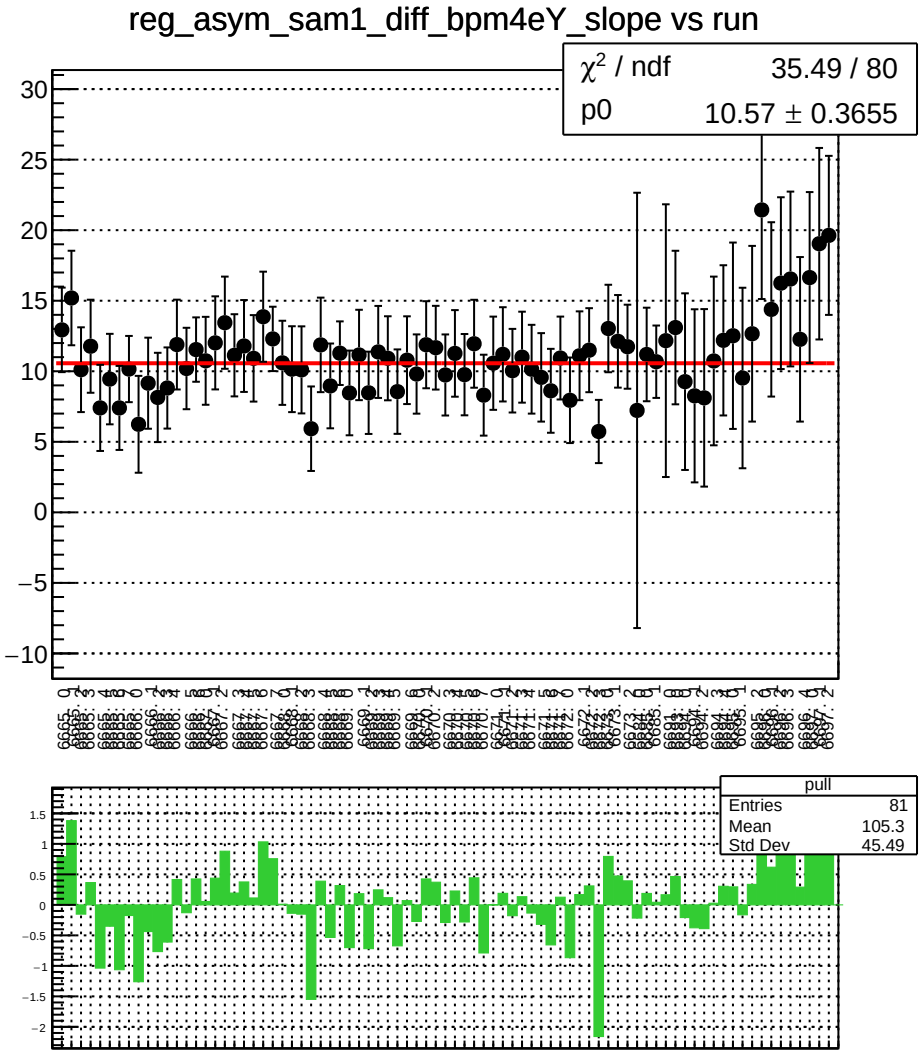

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 69.18 / 80
p0 −3.854 ± 0.383
pull
Entries 81
Mean 547.3
Std Dev 499.9

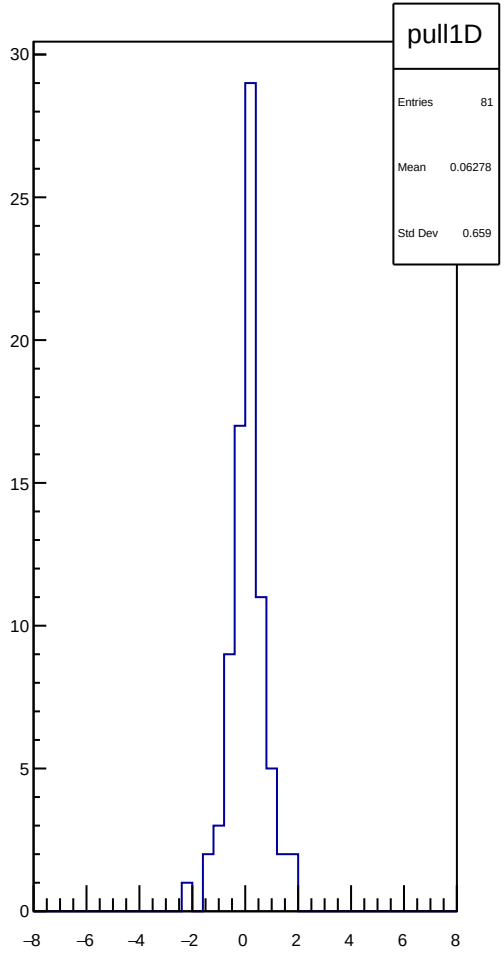

pull1D
Entries 81
Mean 0.02899
Std Dev 0.9237

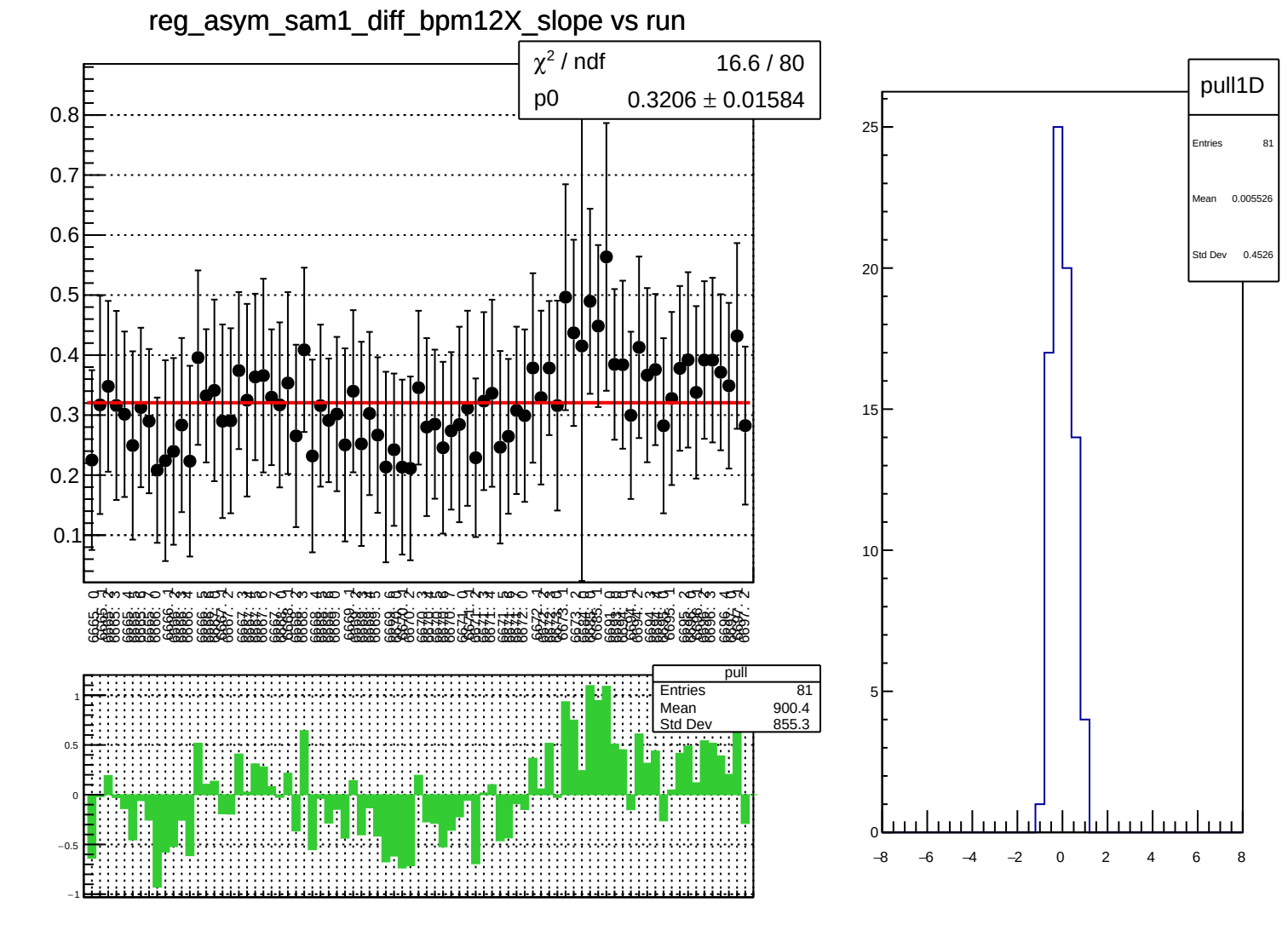

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 32.83 / 80
p0 −55.9 ± 0.3199
pull
Entries 81
Mean 60.96
Std Dev 55.98
pull1D
Entries 81
Mean −0.04719
Std Dev 0.6349

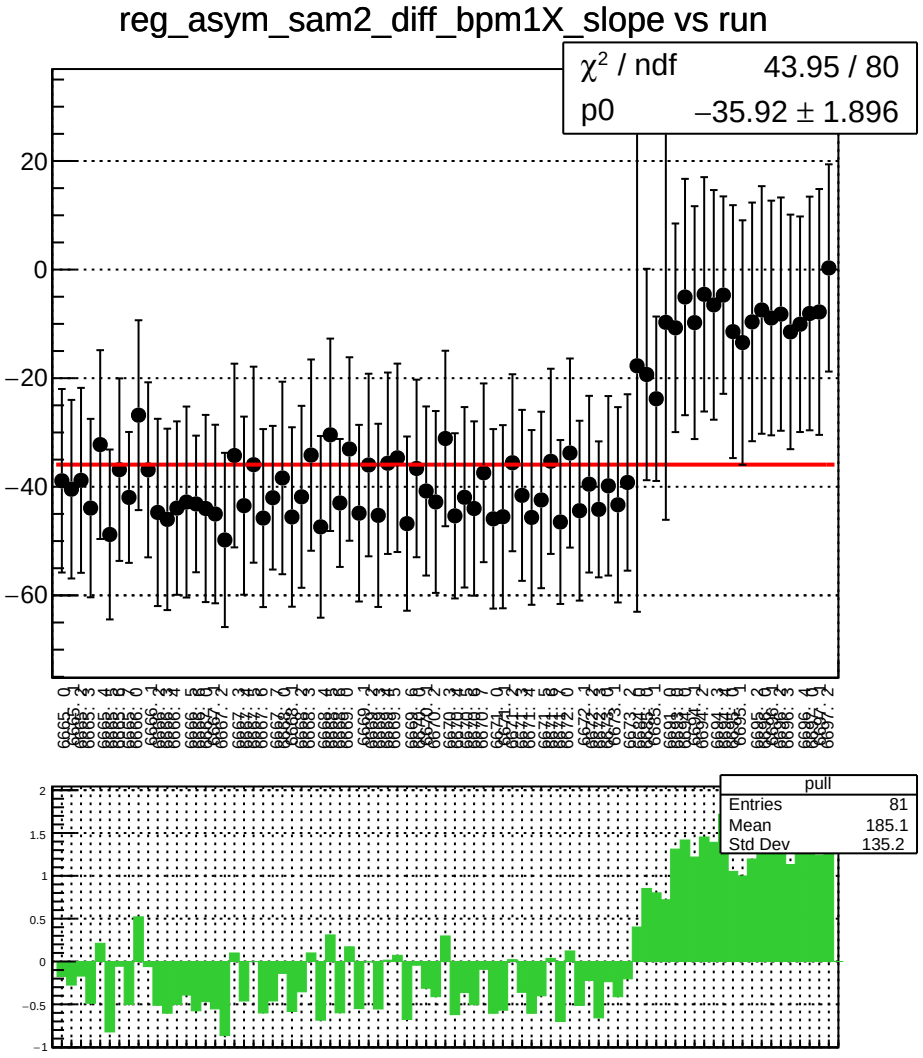

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 66.19 / 80
p0 −13.49 ± 0.4044
pull
Entries 81
Mean −693.8
Std Dev 740.7

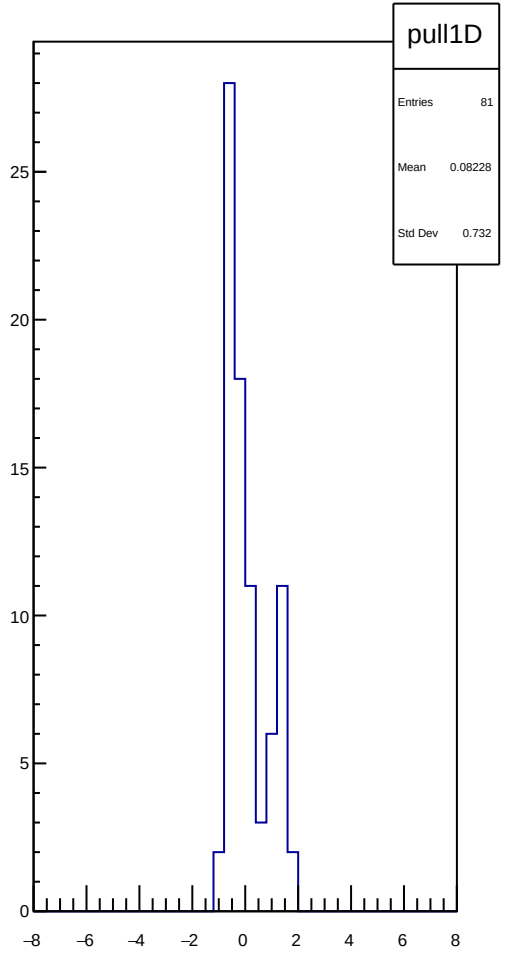

pull1D
Entries 81
Mean 0.01893
Std Dev 0.9038

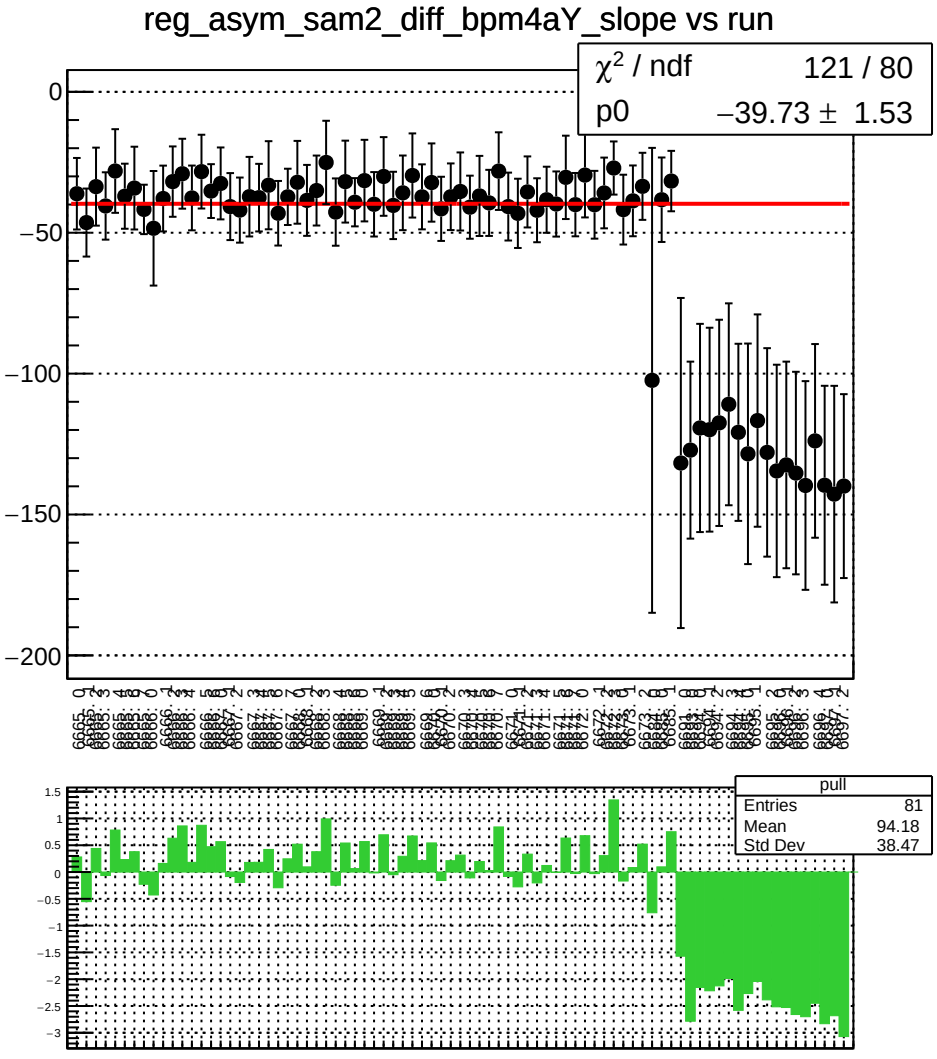

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 35.49 / 80
p0 10.57 ± 0.3655
pull
Entries 81
Mean 105.3
Std Dev 45.49

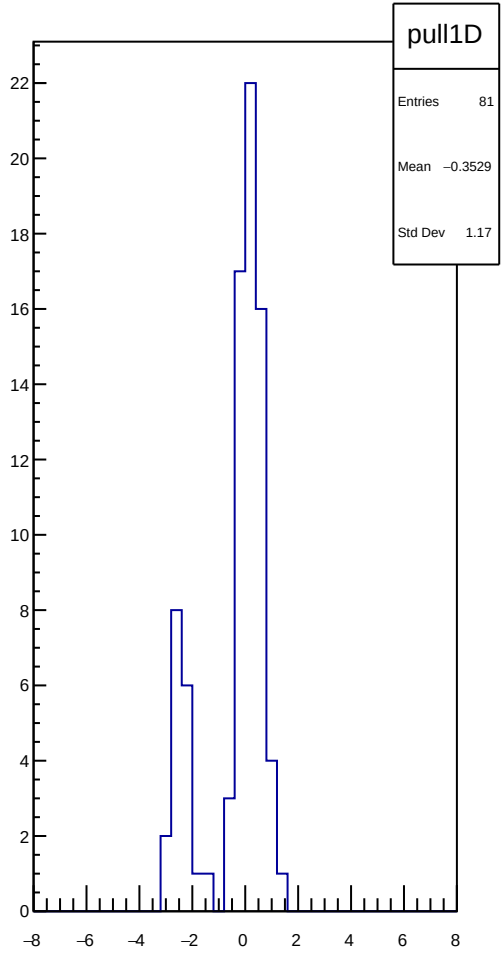

pull1D
Entries 81
Mean 0.06278
Std Dev 0.659

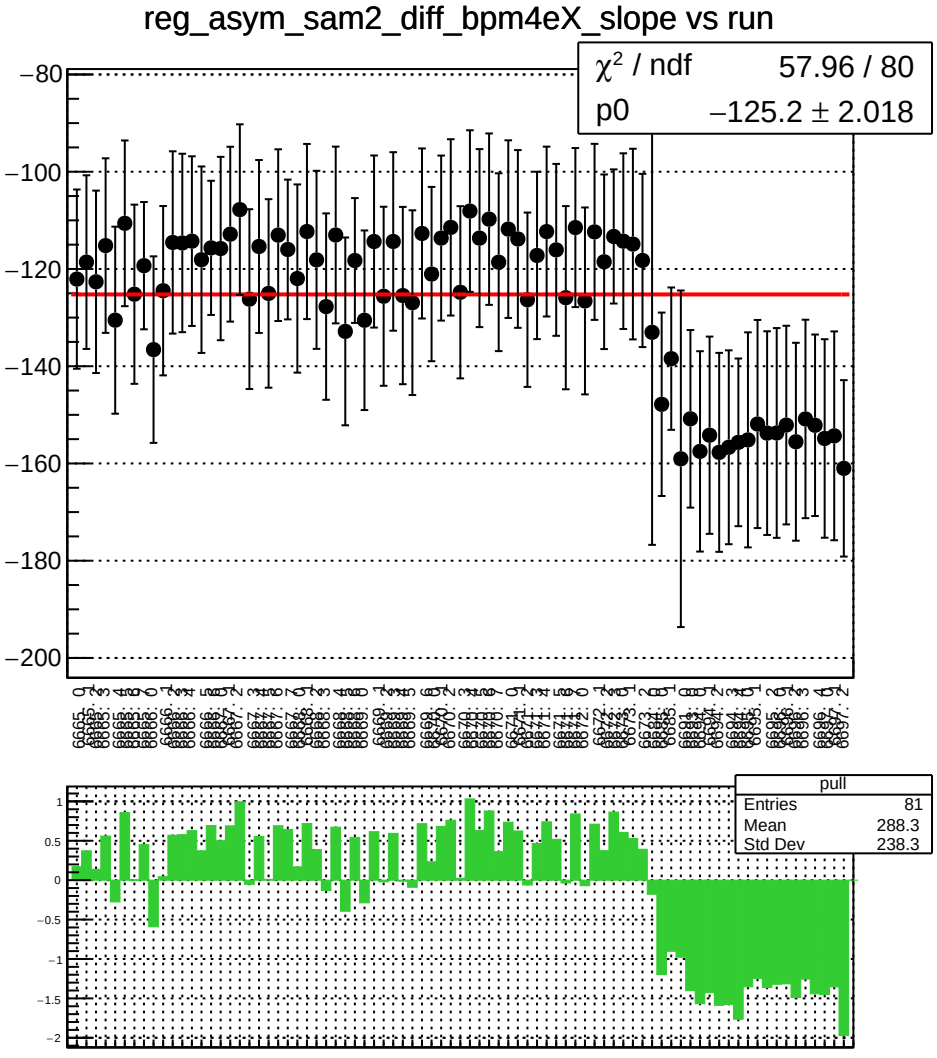

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 16.6 / 80
p0 0.3206 ± 0.01584
pull
Entries 81
Mean 900.4
Std Dev 855.3
pull1D
Entries 81
Mean 0.005526
Std Dev 0.4526

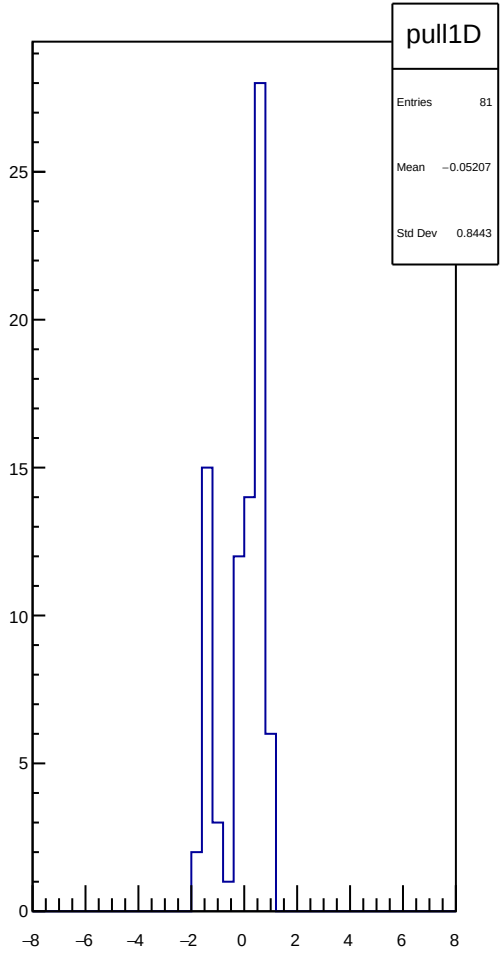

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 43.95 / 80
p0 −35.92 ± 1.896
pull
Entries 81
Mean 185.1
Std Dev 135.2

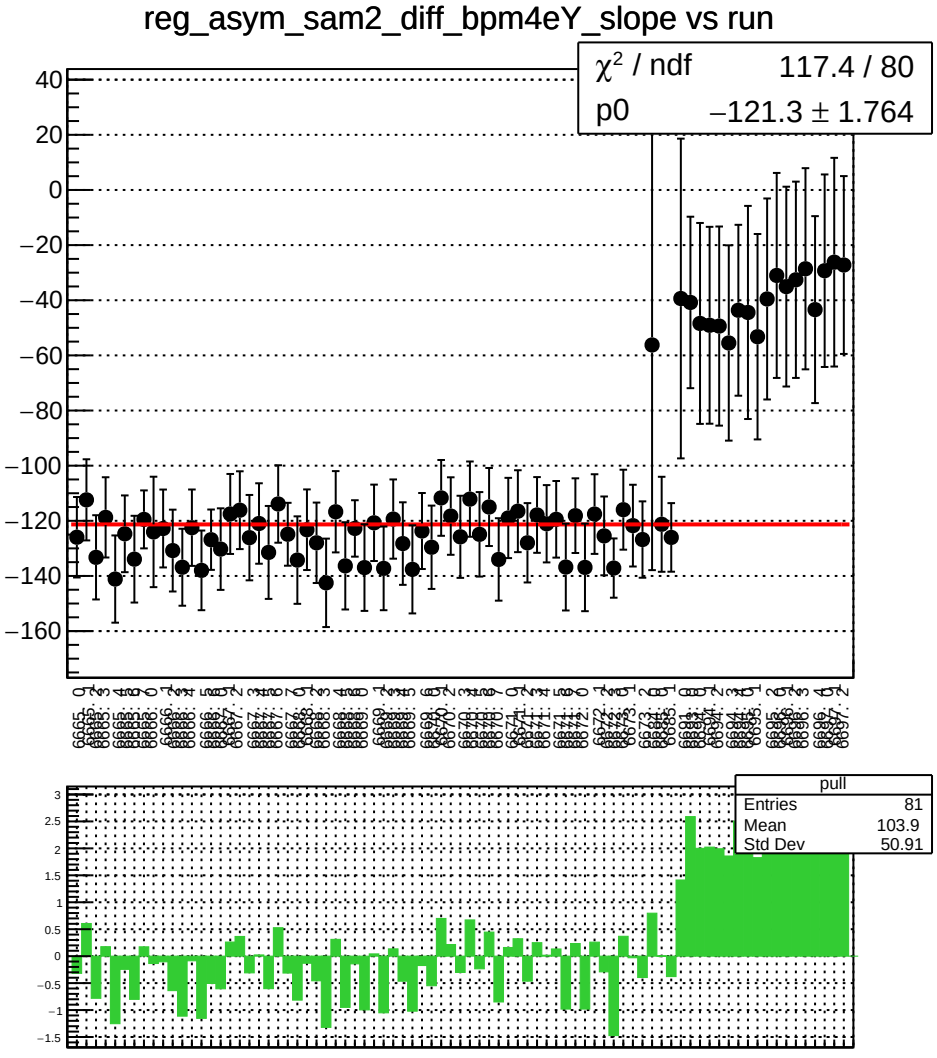

pull1D
Entries 81
Mean 0.08228
Std Dev 0.732

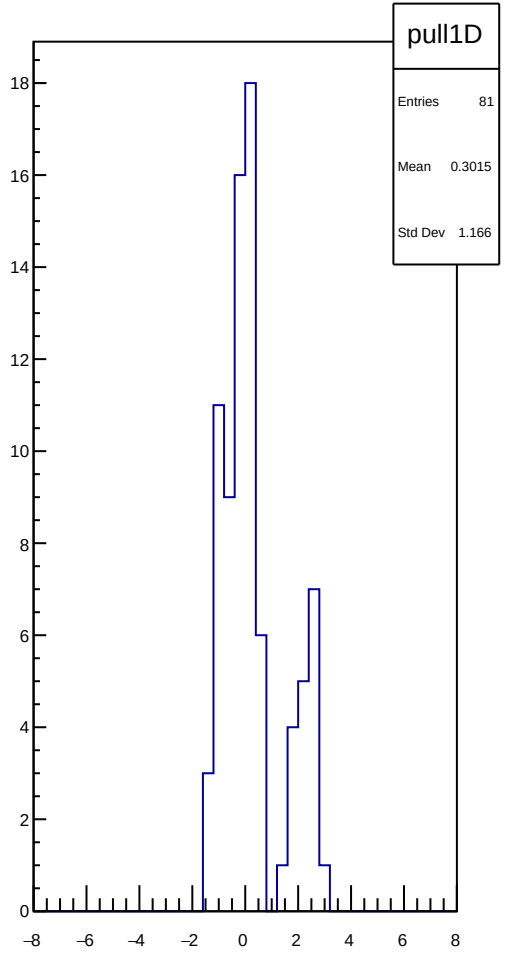

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 121 / 80
p0 −39.73 ± 1.53
pull
Entries 81
Mean 94.18
Std Dev 38.47

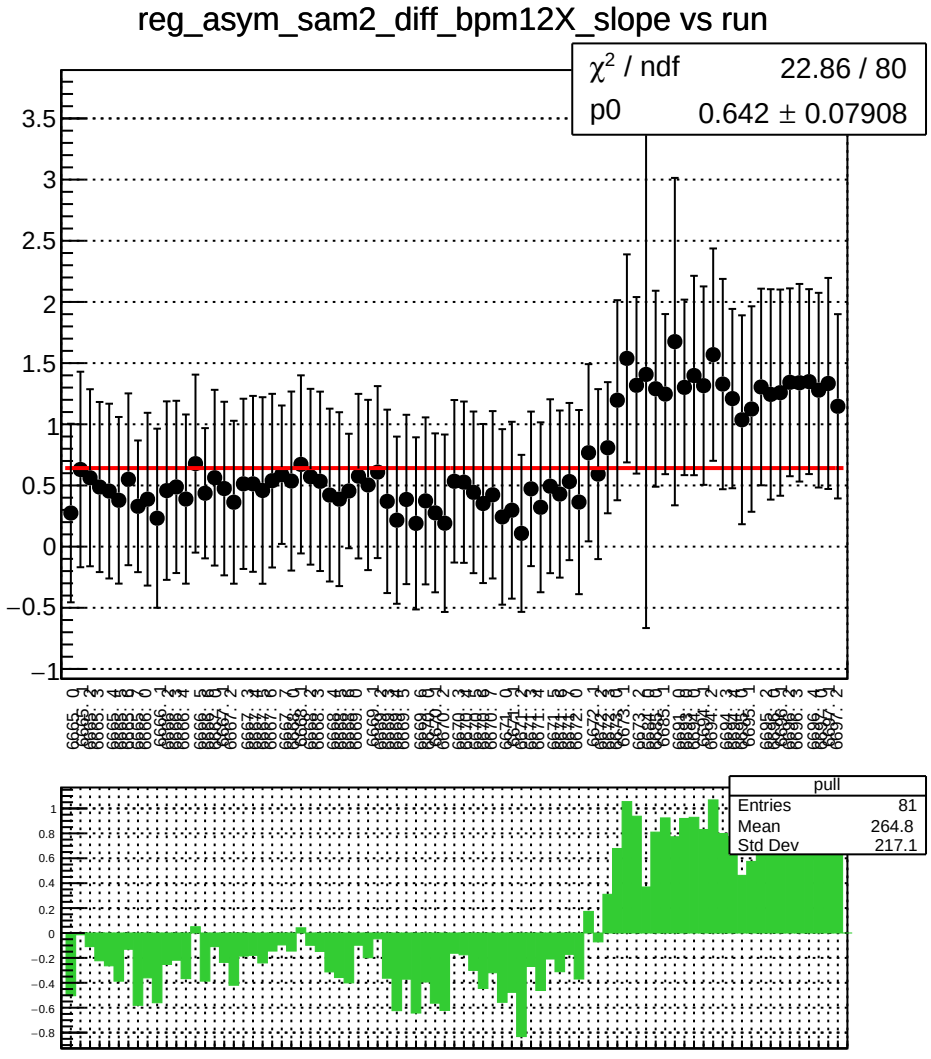

pull1D
Entries 81
Mean −0.3529
Std Dev 1.17

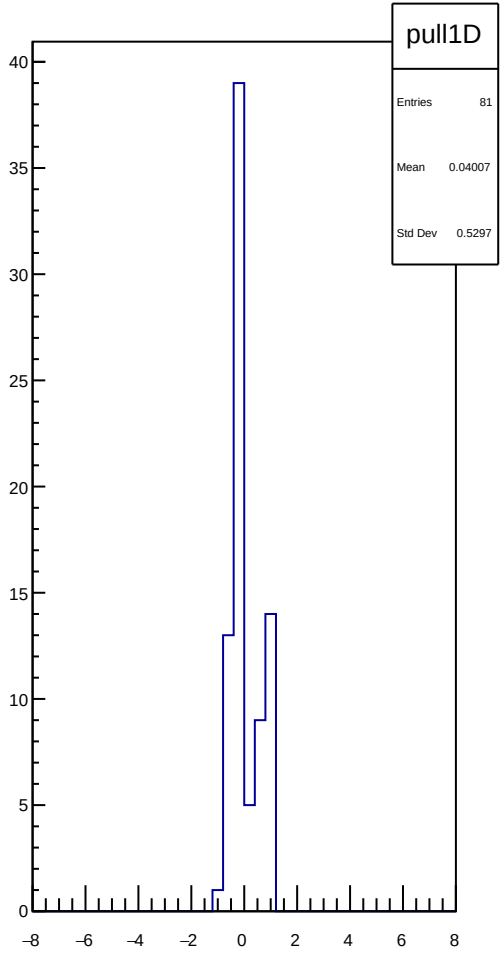

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 57.96 / 80
p0 −125.2 ± 2.018
pull
Entries 81
Mean 288.3
Std Dev 238.3

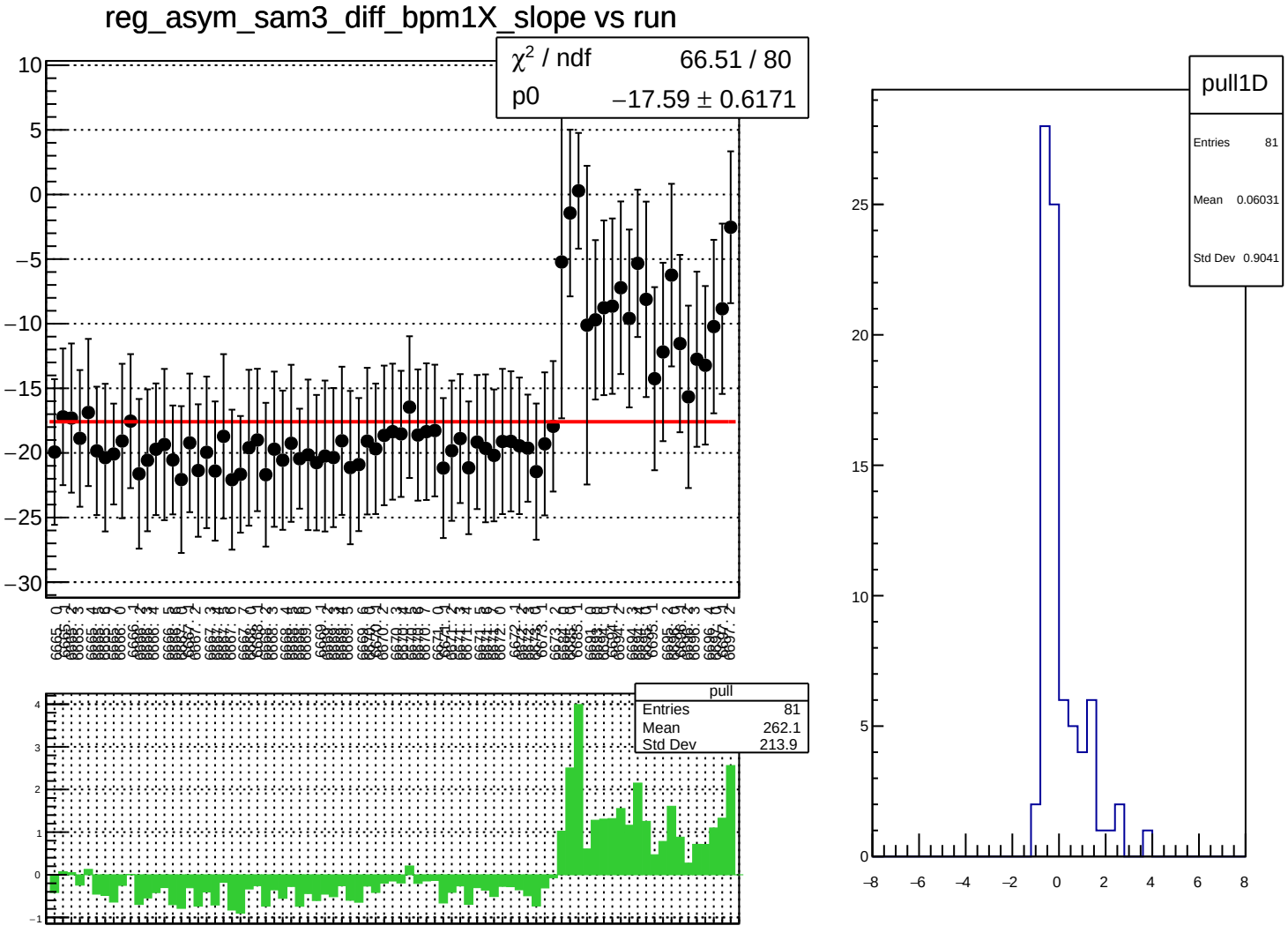

pull1D
Entries 81
Mean −0.05207
Std Dev 0.8443

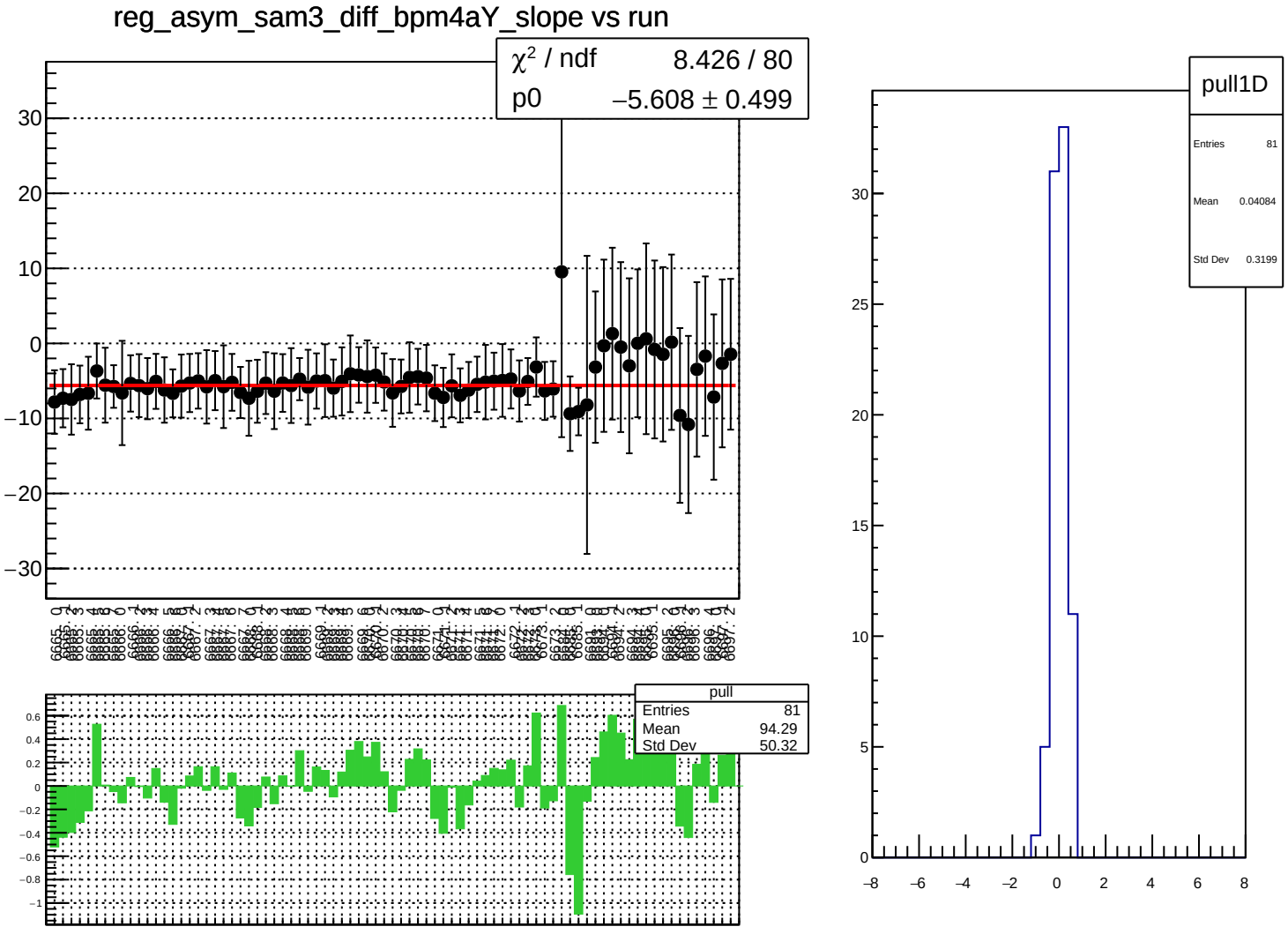

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 117.4 / 80
p0 −121.3 ± 1.764
pull
Entries 81
Mean 103.9
Std Dev 50.91

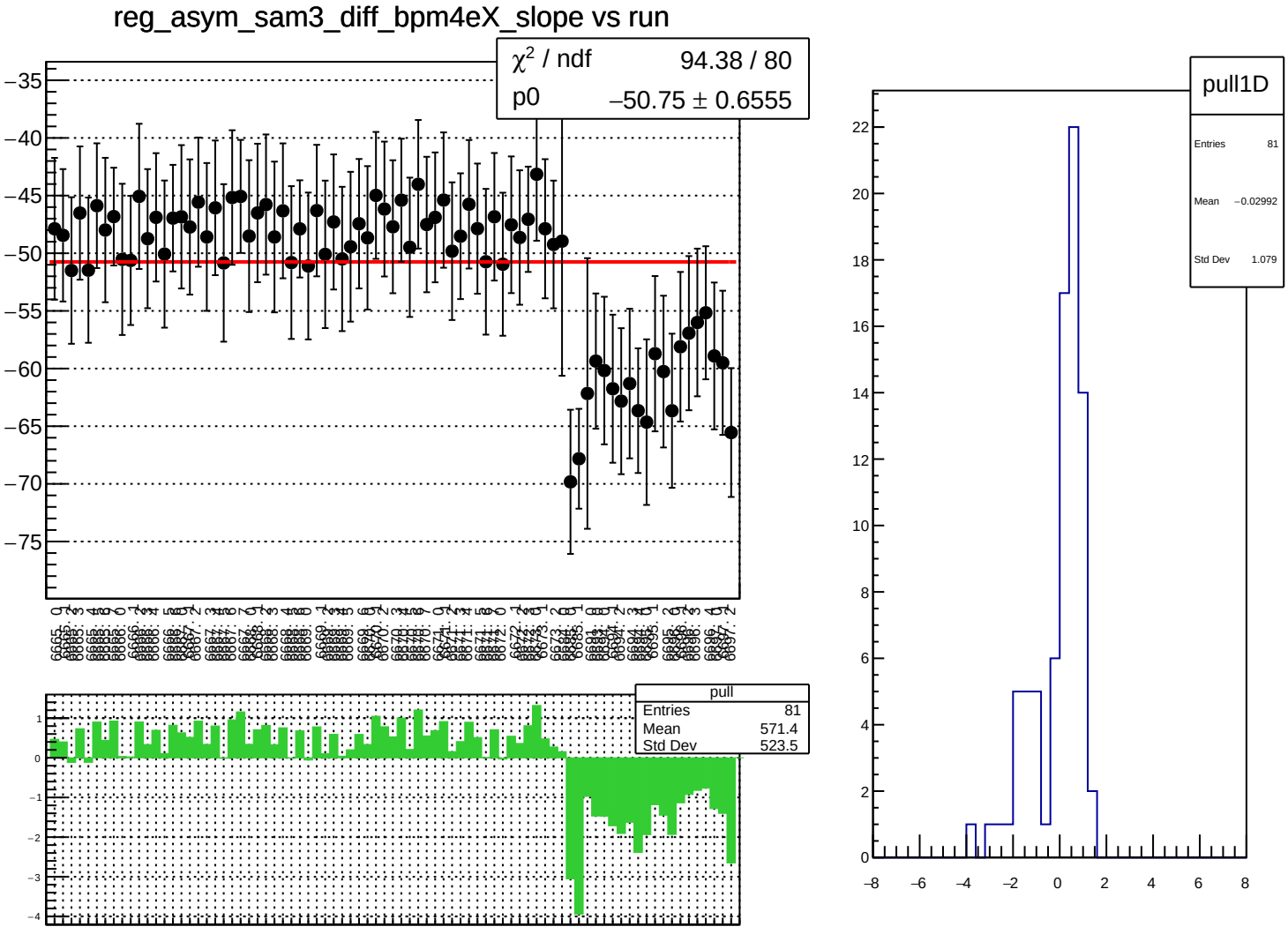

pull1D
Entries 81
Mean 0.3015
Std Dev 1.166

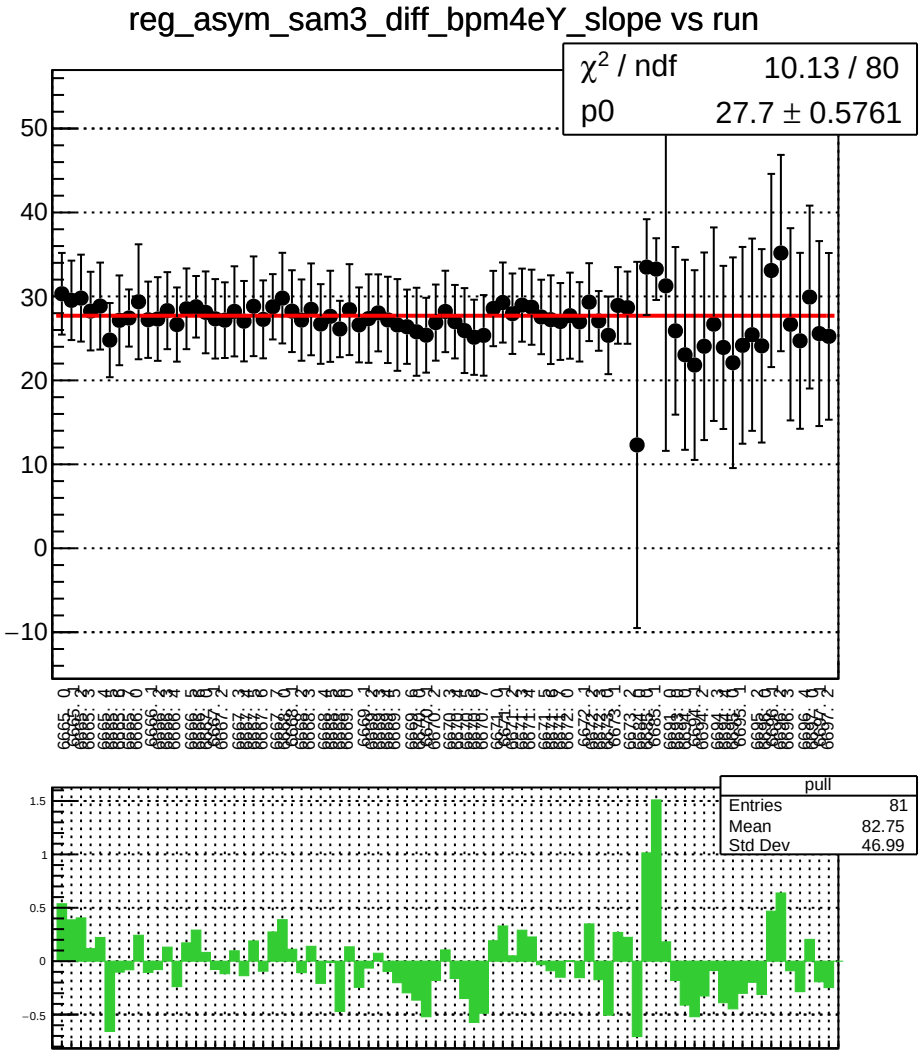

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 22.86 / 80
p0 0.642 ± 0.07908
pull
Entries 81
Mean 264.8
Std Dev 217.1

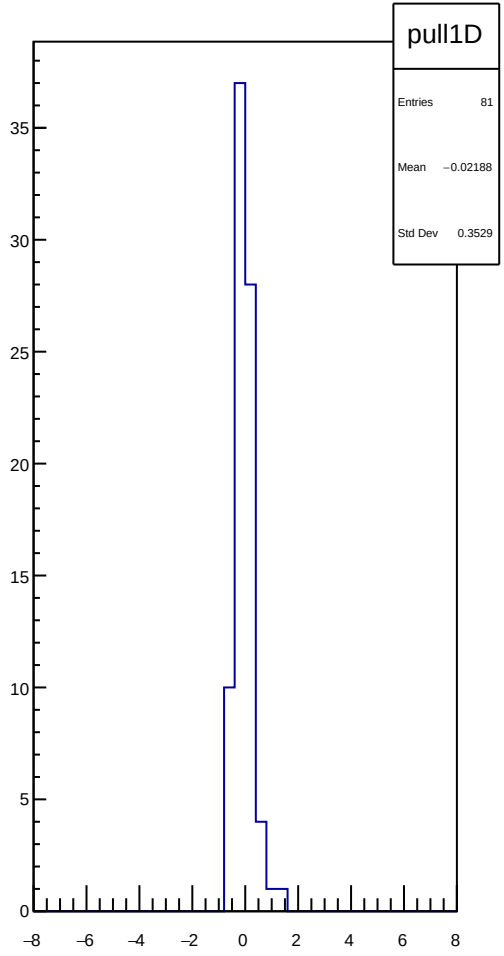

pull1D
Entries 81
Mean 0.04007
Std Dev 0.5297

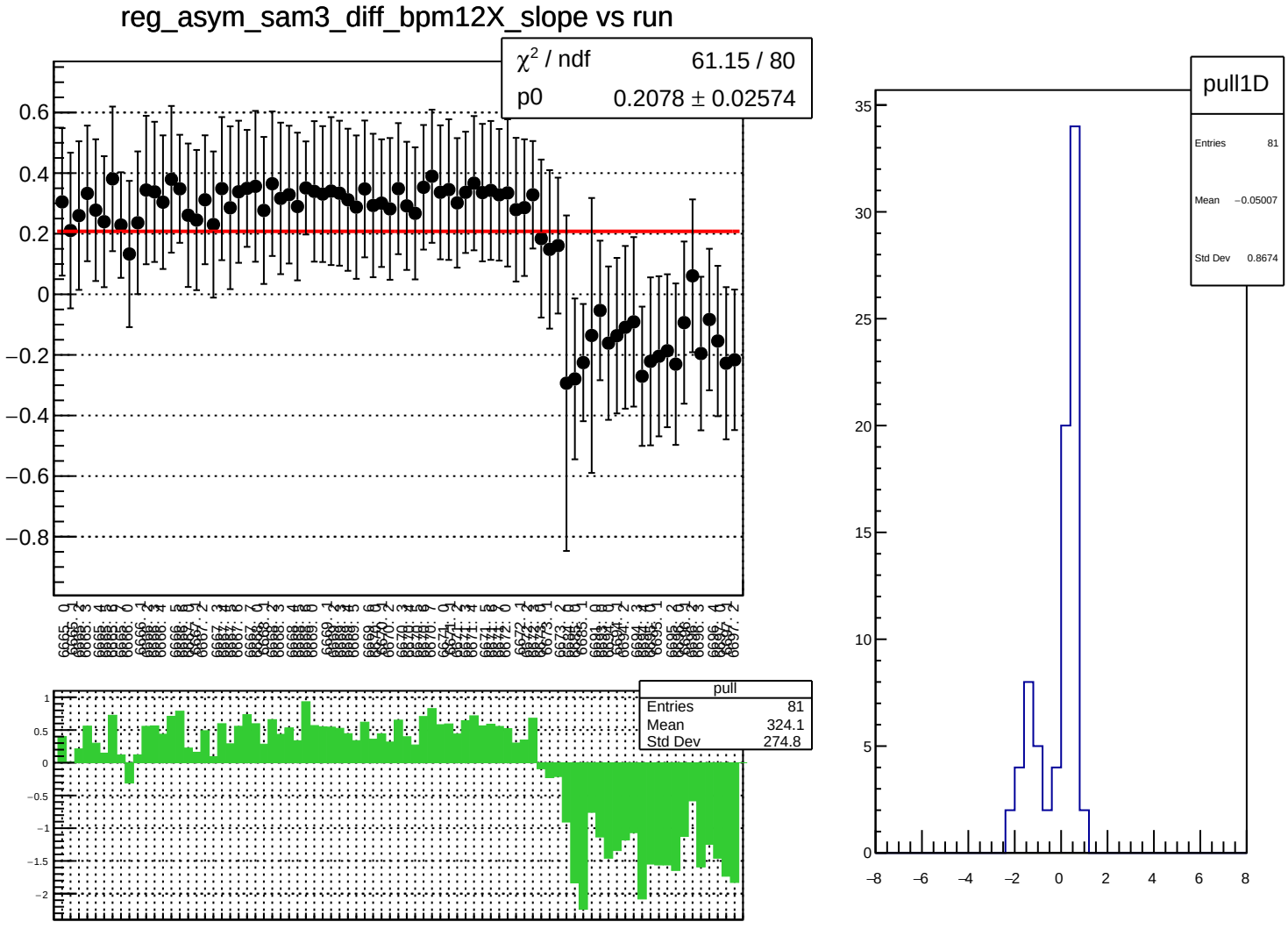

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 66.51 / 80
p0 −17.59 ± 0.6171
pull
Entries 81
Mean 262.1
Std Dev 213.9
pull1D
Entries 81
Mean 0.06031
Std Dev 0.9041

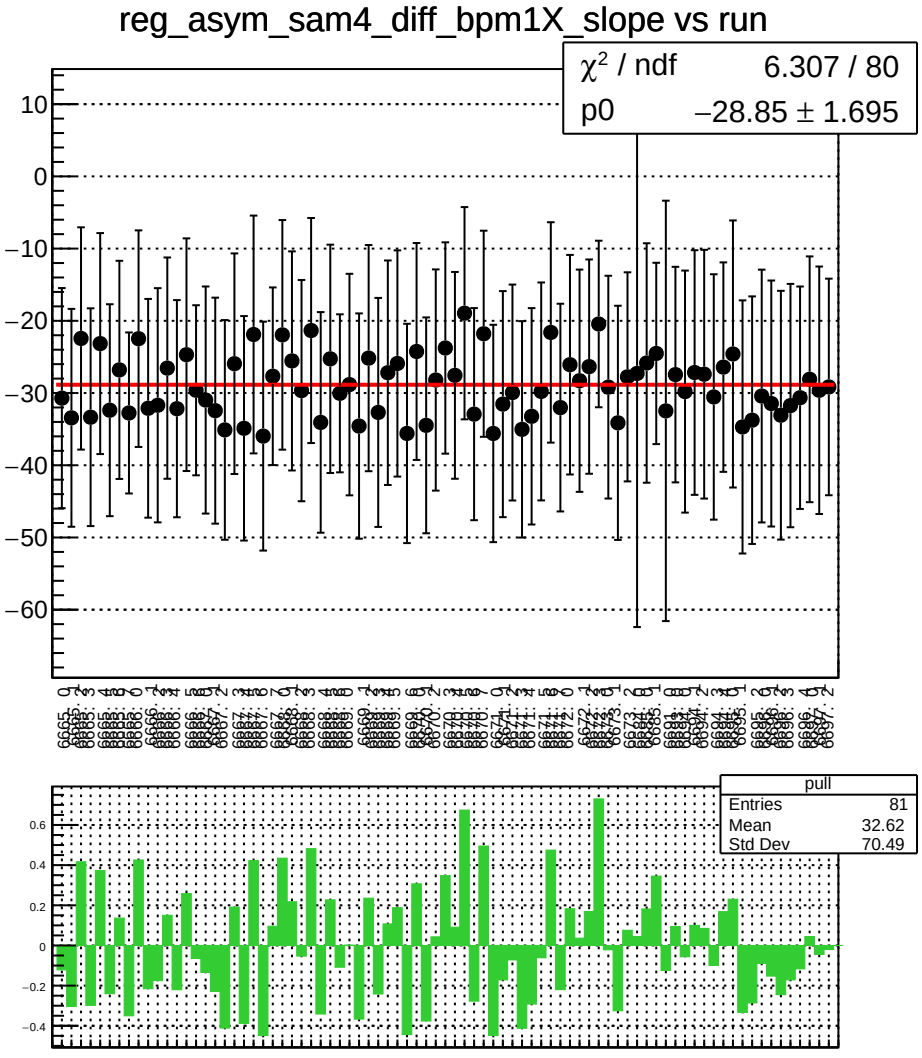

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 8.426 / 80
p0 −5.608 ± 0.499
pull
Entries 81
Mean 94.29
Std Dev 50.32
pull1D
Entries 81
Mean 0.04084
Std Dev 0.3199

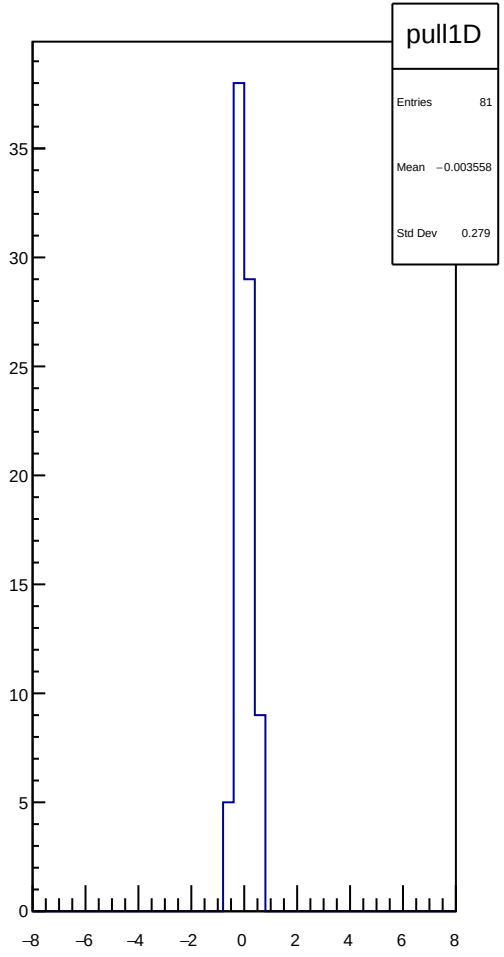

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 94.38 / 80
p0 −50.75 ± 0.6555
pull
Entries 81
Mean 571.4
Std Dev 523.5
pull1D
Entries 81
Mean −0.02992
Std Dev 1.079

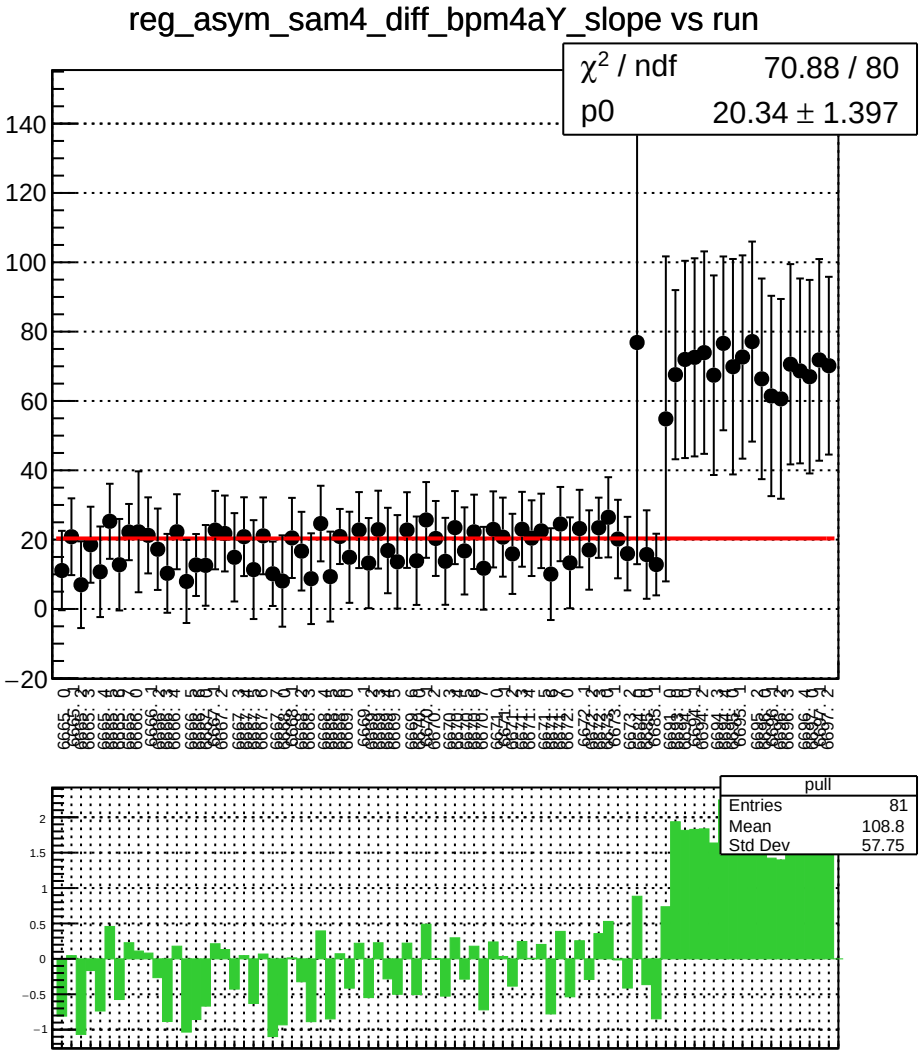

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 10.13 / 80
p0 27.7 ± 0.5761
pull
Entries 81
Mean 82.75
Std Dev 46.99

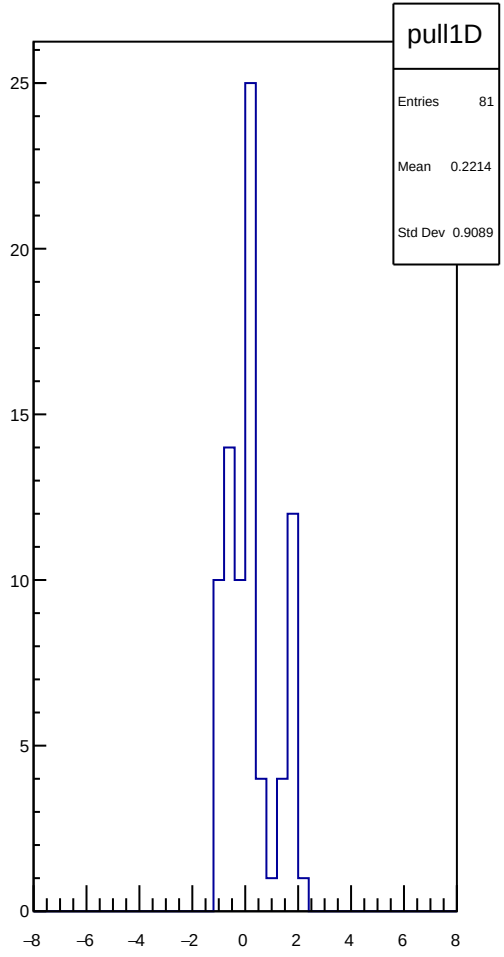

pull1D
Entries 81
Mean −0.02188
Std Dev 0.3529

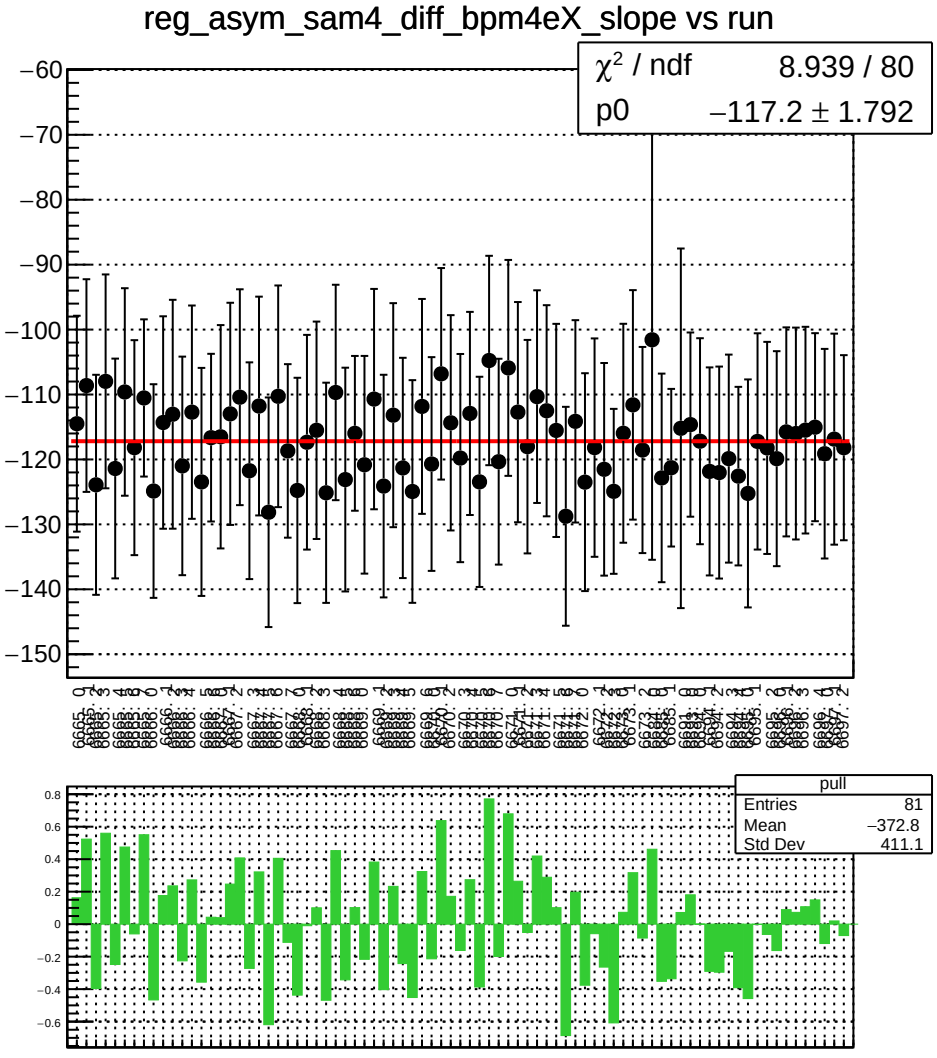

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 61.15 / 80
p0 0.2078 ± 0.02574
pull
Entries 81
Mean 324.1
Std Dev 274.8
pull1D
Entries 81
Mean −0.05007
Std Dev 0.8674

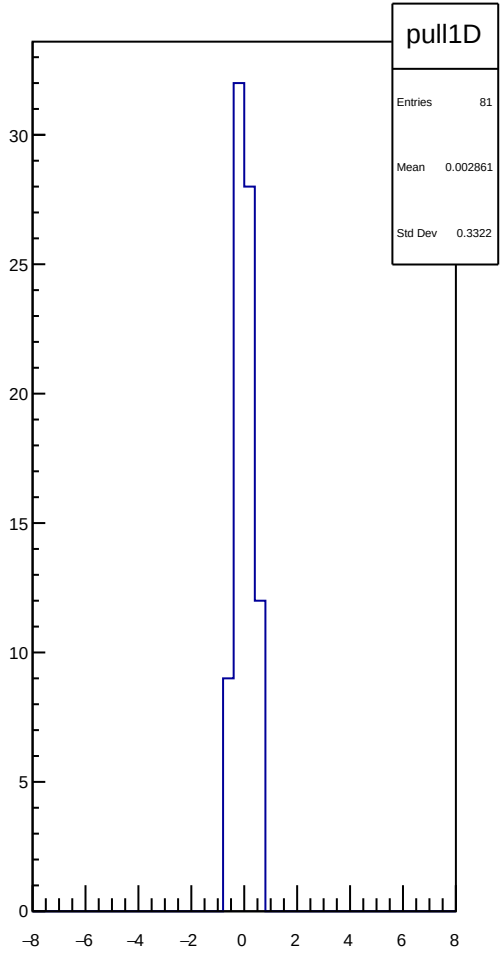

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 6.307 / 80
p0 −28.85 ± 1.695
pull
Entries 81
Mean 32.62
Std Dev 70.49

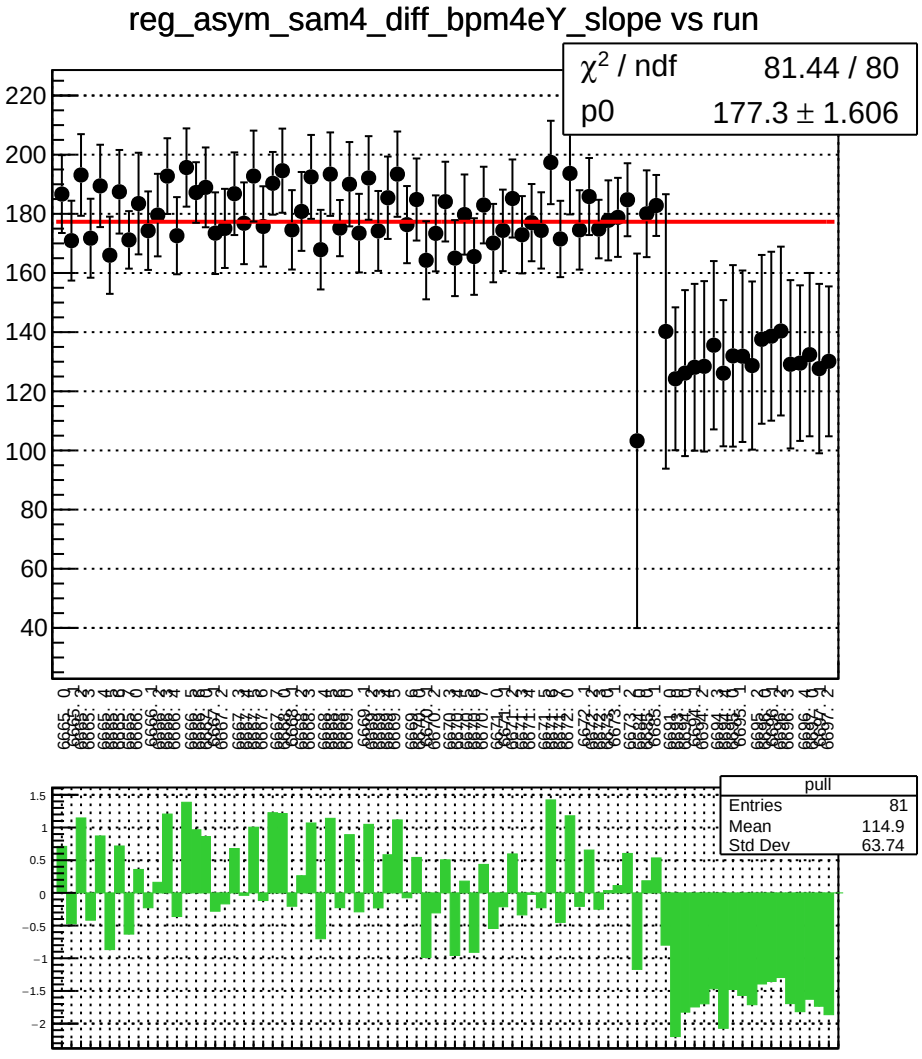

pull1D
Entries 81
Mean −0.003558
Std Dev 0.279

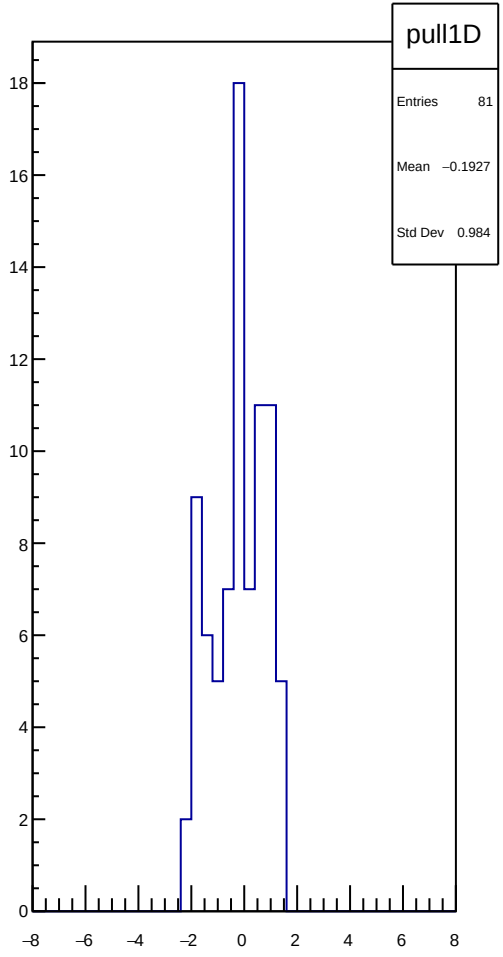

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 70.88 / 80
p0 20.34 ± 1.397
pull
Entries 81
Mean 108.8
Std Dev 57.75

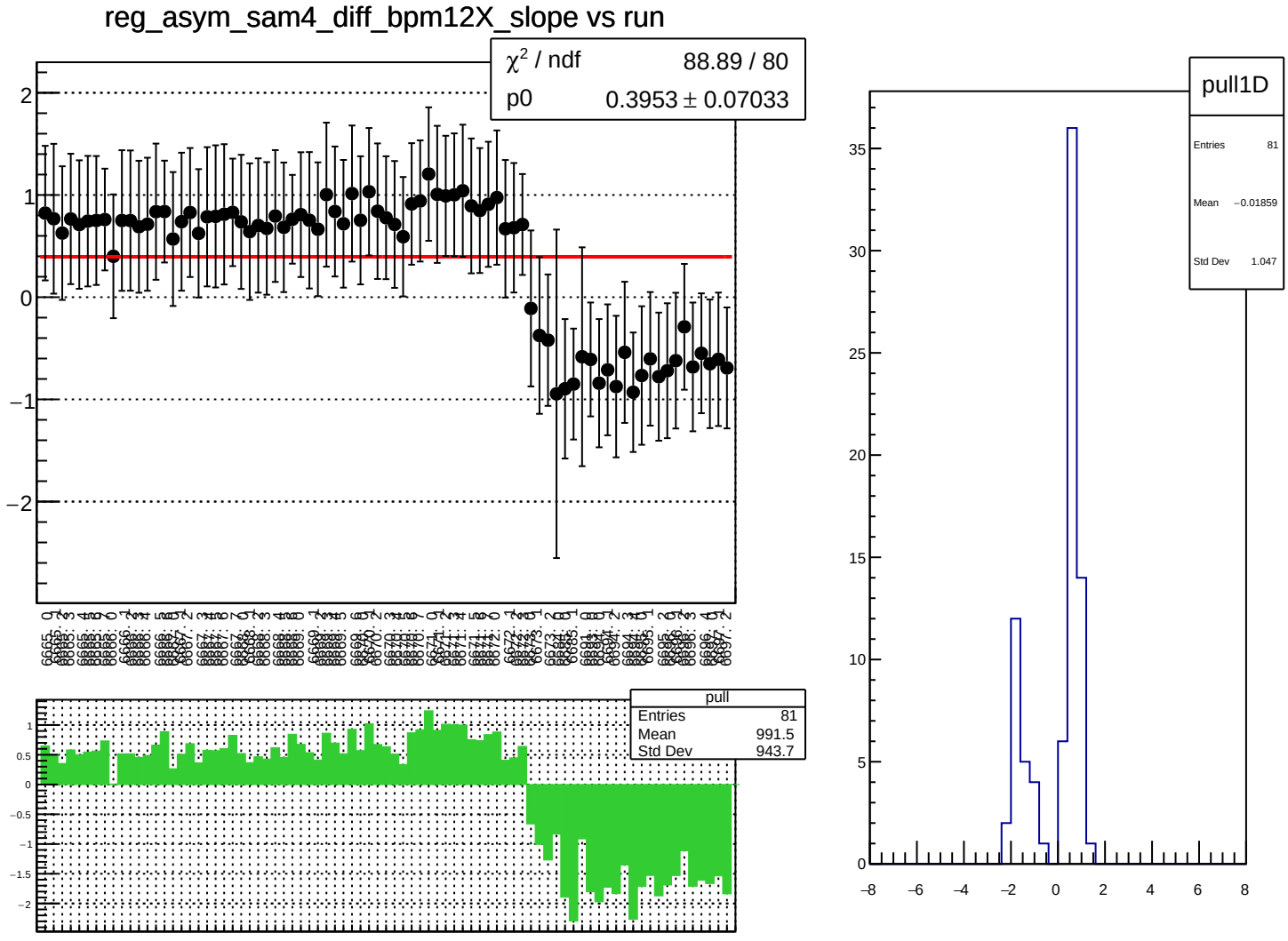

pull1D
Entries 81
Mean 0.2214
Std Dev 0.9089

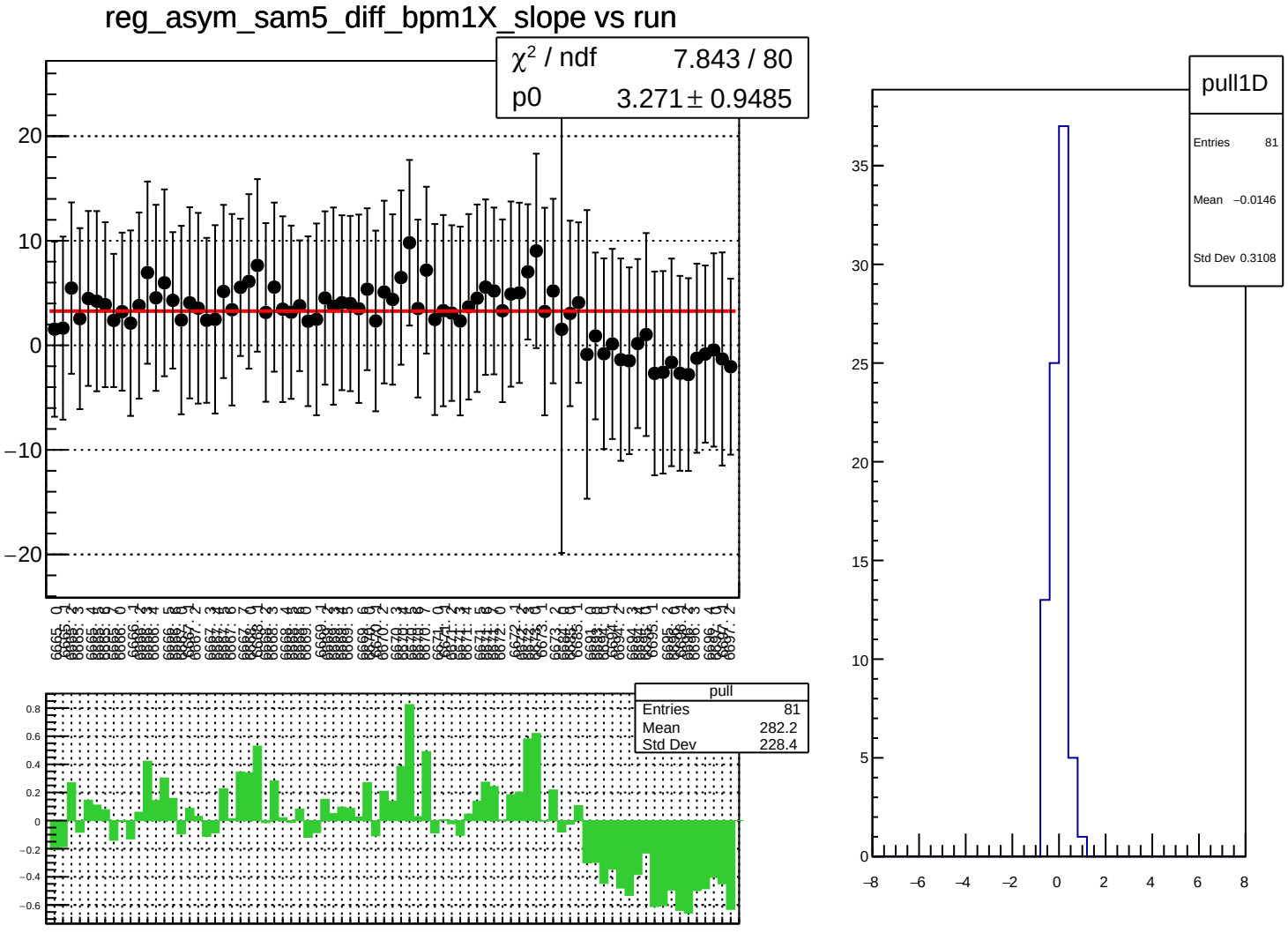

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 8.939 / 80
p0 −117.2 ± 1.792
pull
Entries 81
Mean −372.8
Std Dev 411.1

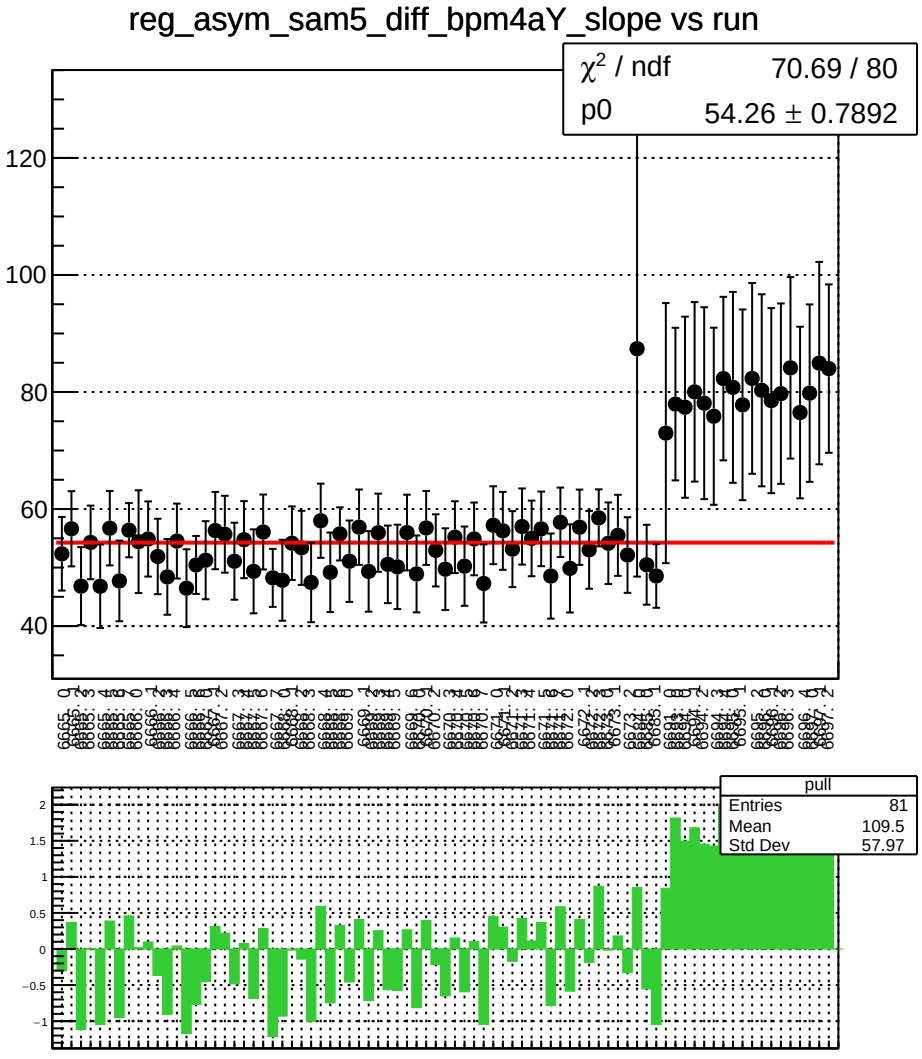

pull1D
Entries 81
Mean 0.002861
Std Dev 0.3322

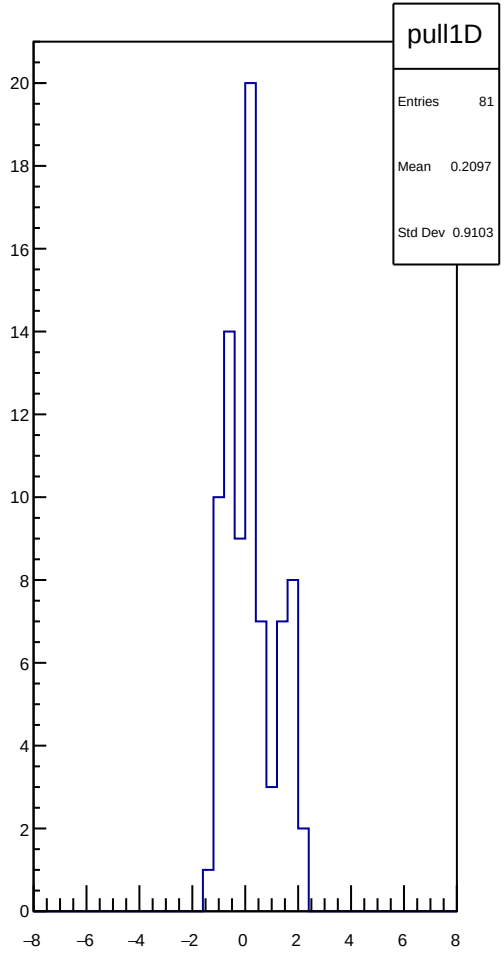

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 81.44 / 80
p0 177.3 ± 1.606
pull
Entries 81
Mean 114.9
Std Dev 63.74

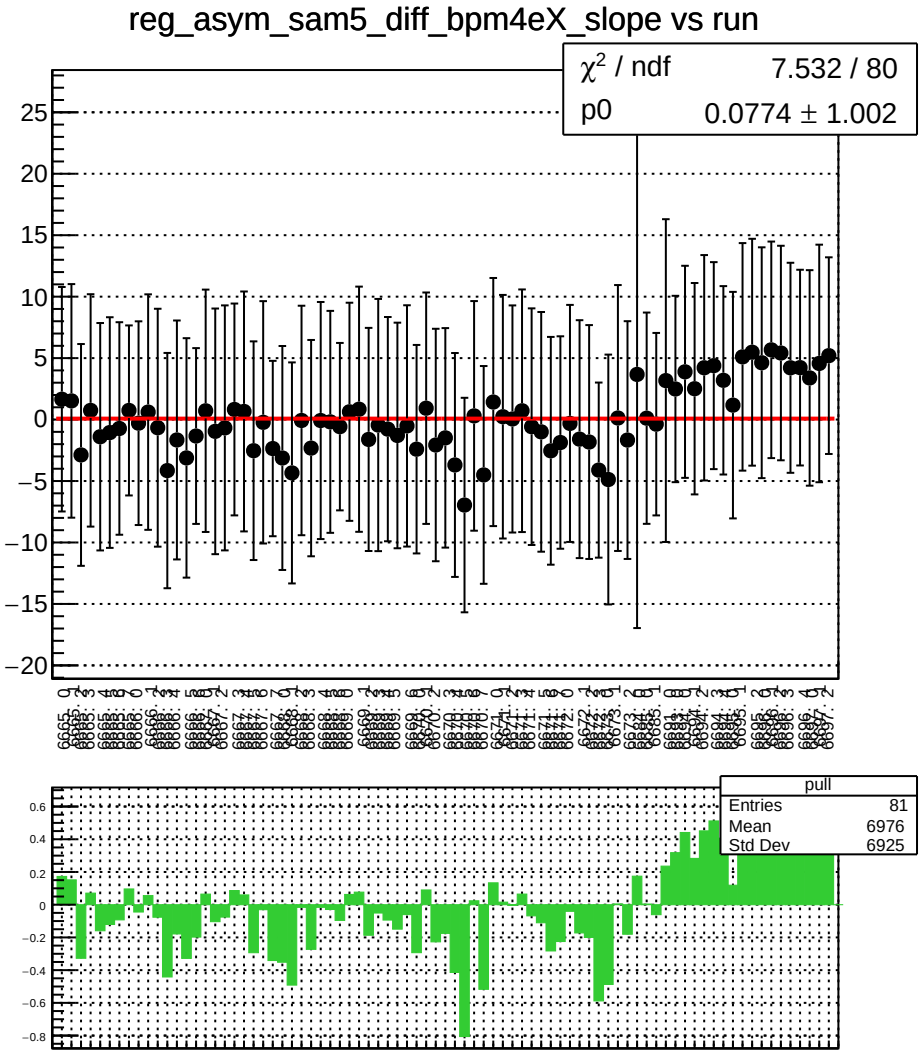

pull1D
Entries 81
Mean −0.1927
Std Dev 0.984

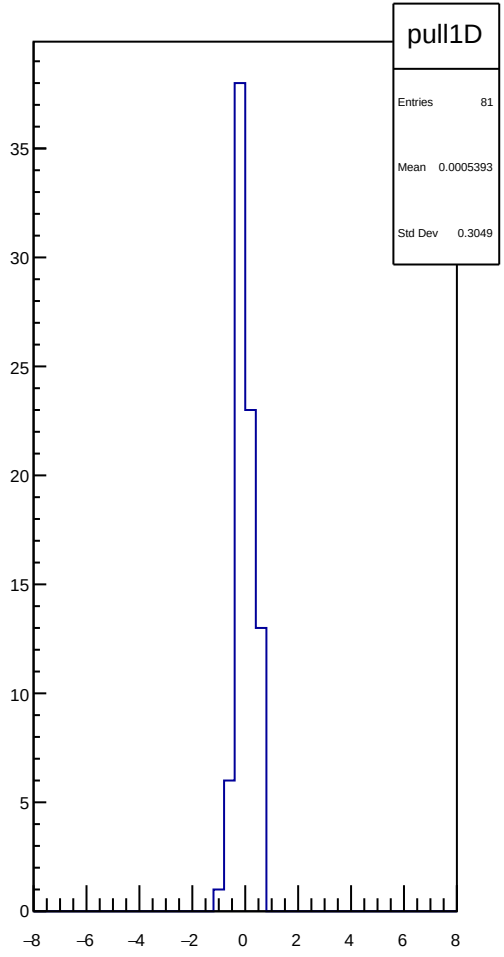

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 88.89 / 80
p0 0.3953 ± 0.07033
pull
Entries 81
Mean 991.5
Std Dev 943.7
pull1D
Entries 81
Mean −0.01859
Std Dev 1.047

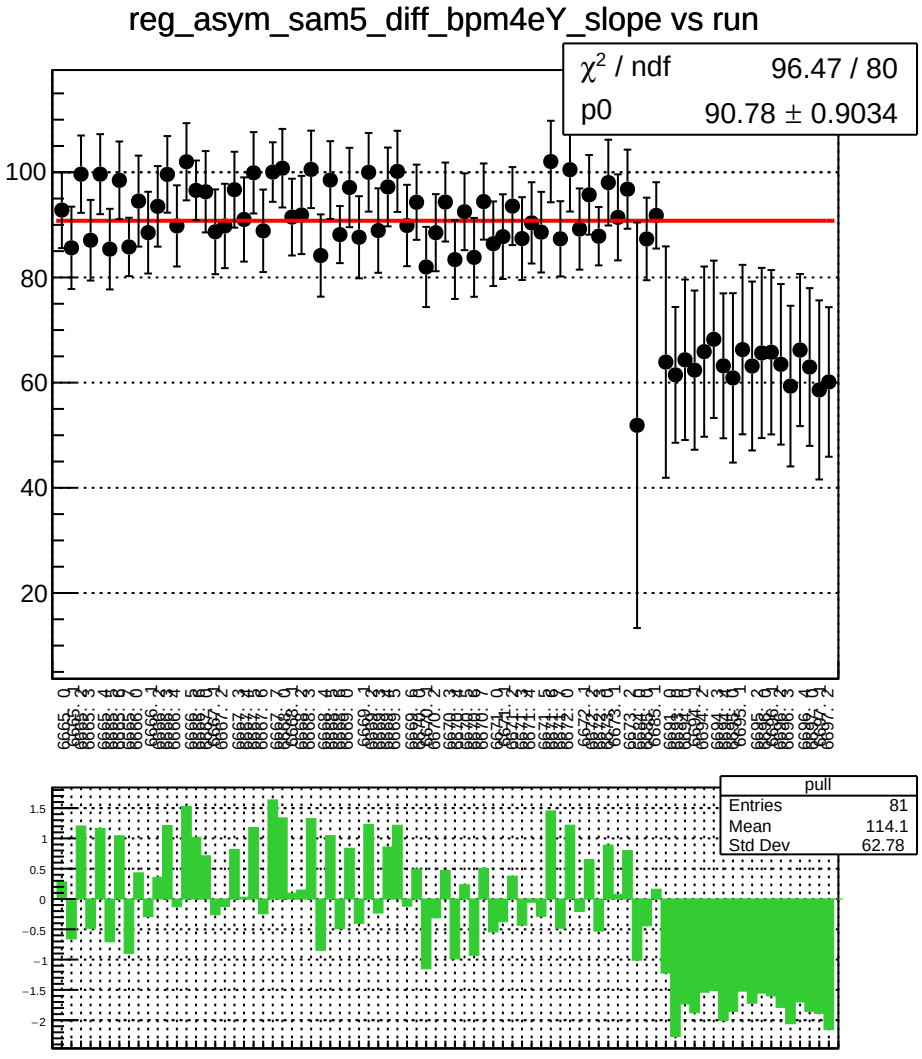

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 7.843 / 80
p0 3.271 ± 0.9485
pull
Entries 81
Mean 282.2
Std Dev 228.4
pull1D
Entries 81
Mean −0.0146
Std Dev 0.3108

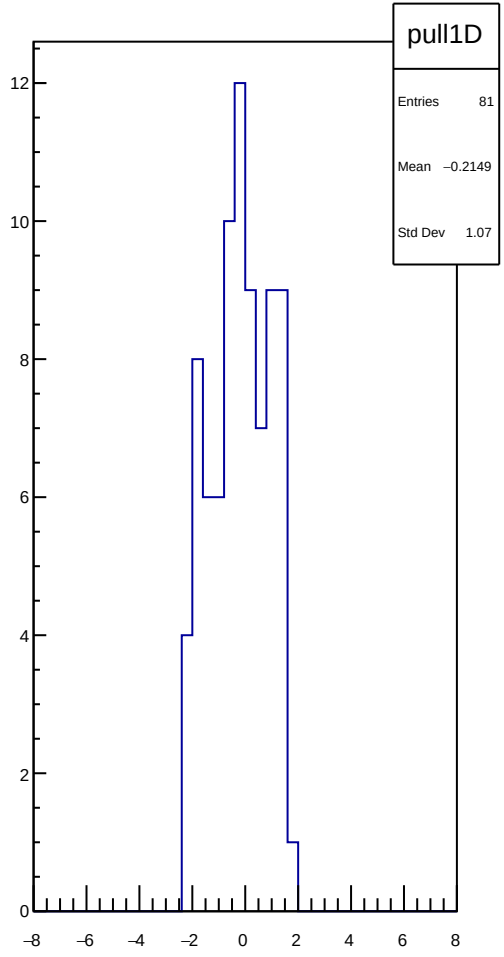

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 70.69 / 80
p0 54.26 ± 0.7892
pull
Entries 81
Mean 109.5
Std Dev 57.97

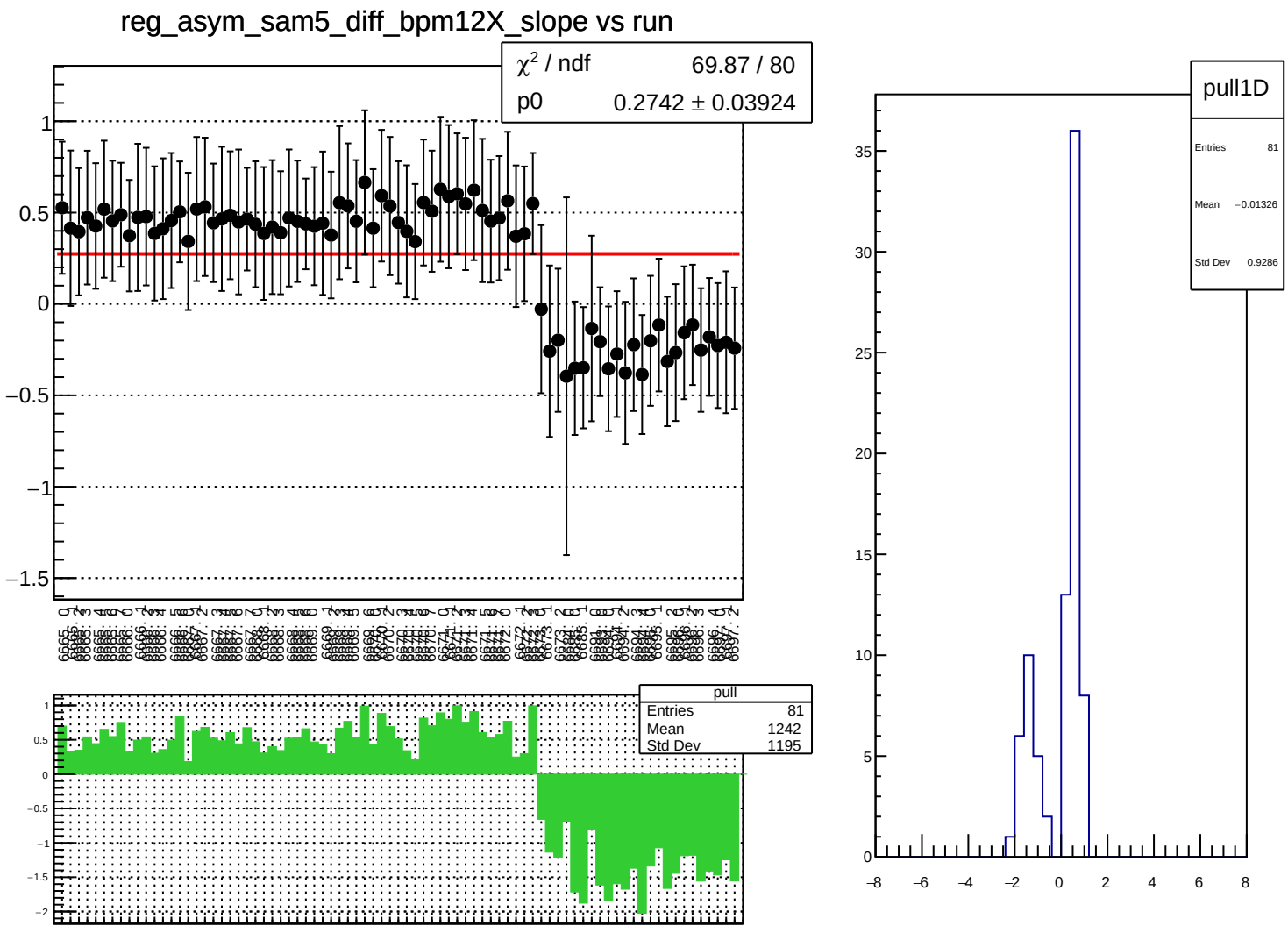

pull1D
Entries 81
Mean 0.2097
Std Dev 0.9103

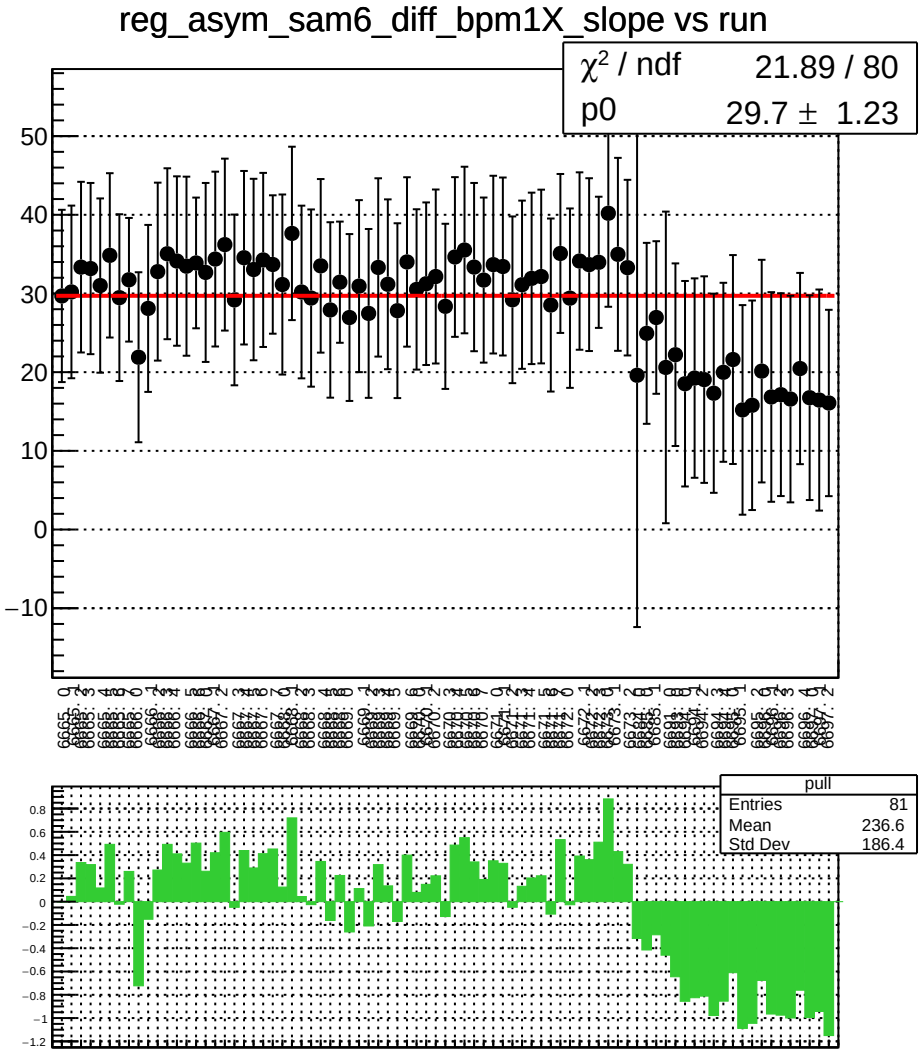

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 7.532 / 80
p0 0.0774 ± 1.002
pull
Entries 81
Mean 6976
Std Dev 6925

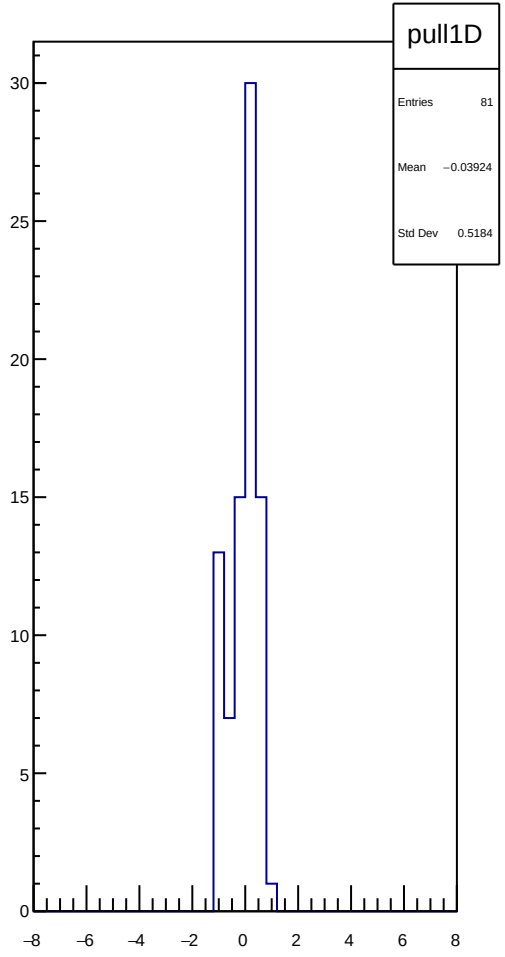

pull1D
Entries 81
Mean 0.0005393
Std Dev 0.3049

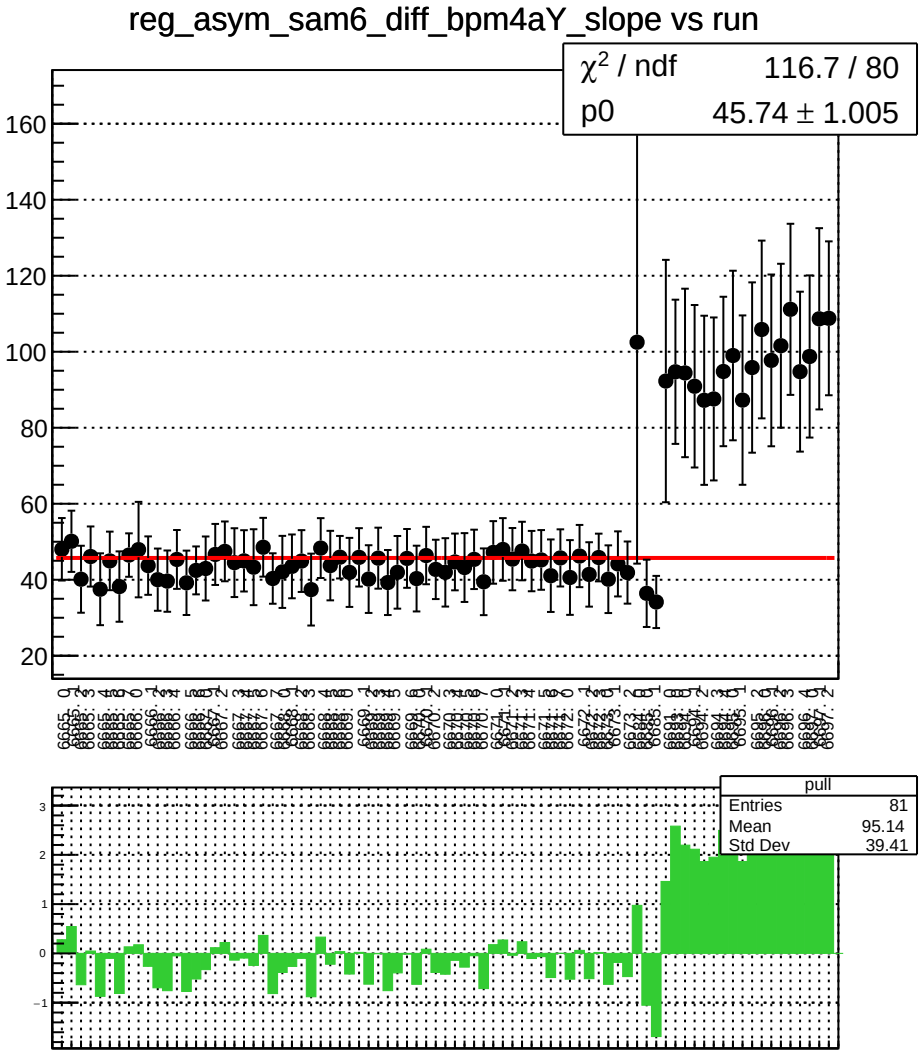

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 96.47 / 80
p0 90.78 ± 0.9034
pull
Entries 81
Mean 114.1
Std Dev 62.78

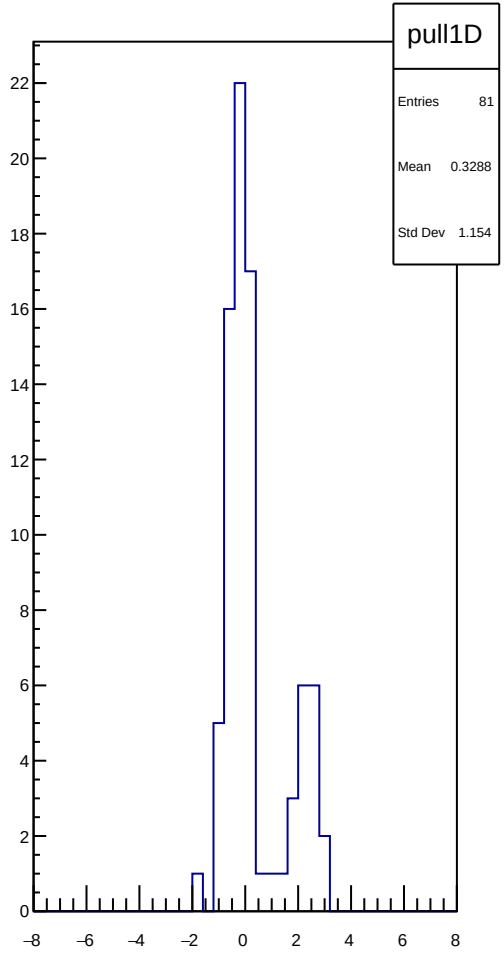

pull1D
Entries 81
Mean −0.2149
Std Dev 1.07

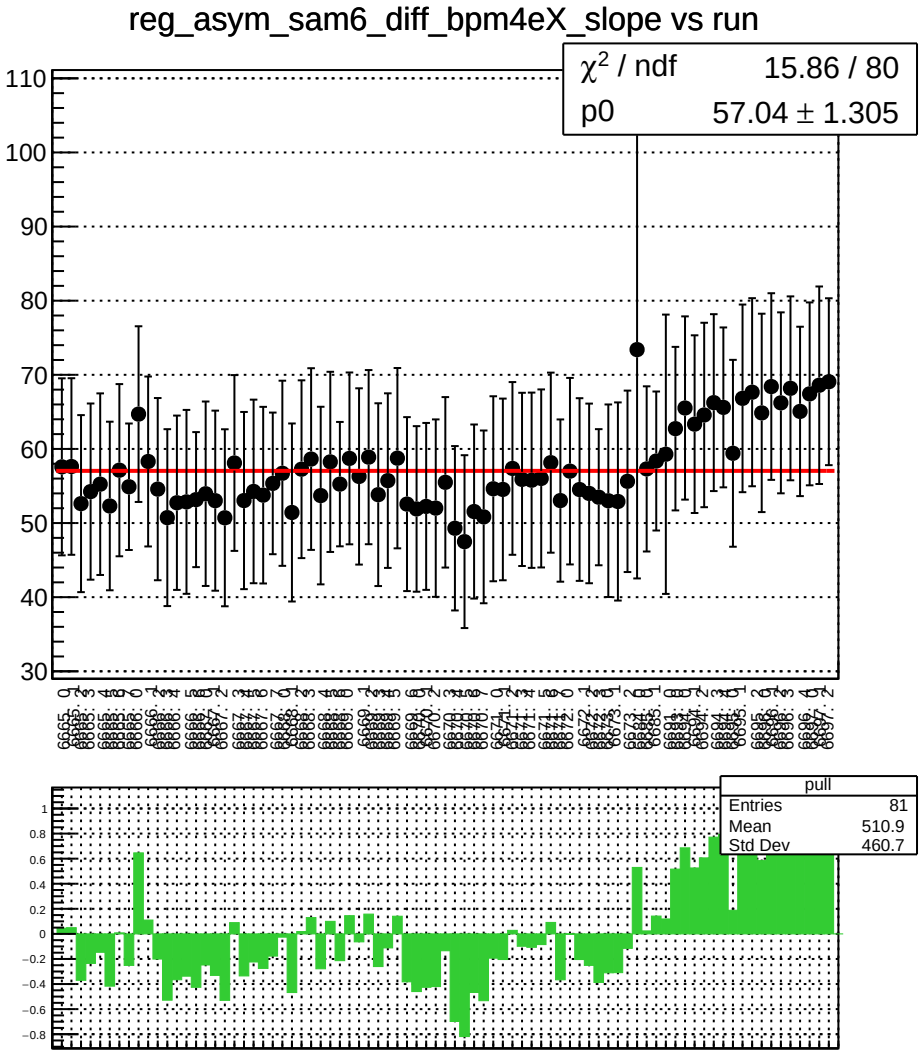

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 69.87 / 80
p0 0.2742 ± 0.03924
pull
Entries 81
Mean 1242
Std Dev 1195
pull1D
Entries 81
Mean −0.01326
Std Dev 0.9286

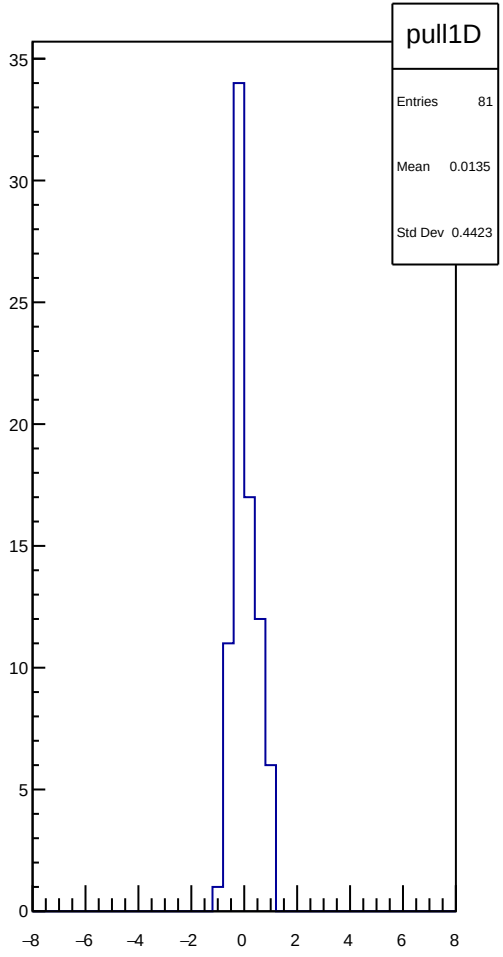

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 21.89 / 80
p0 29.7 ± 1.23
pull
Entries 81
Mean 236.6
Std Dev 186.4

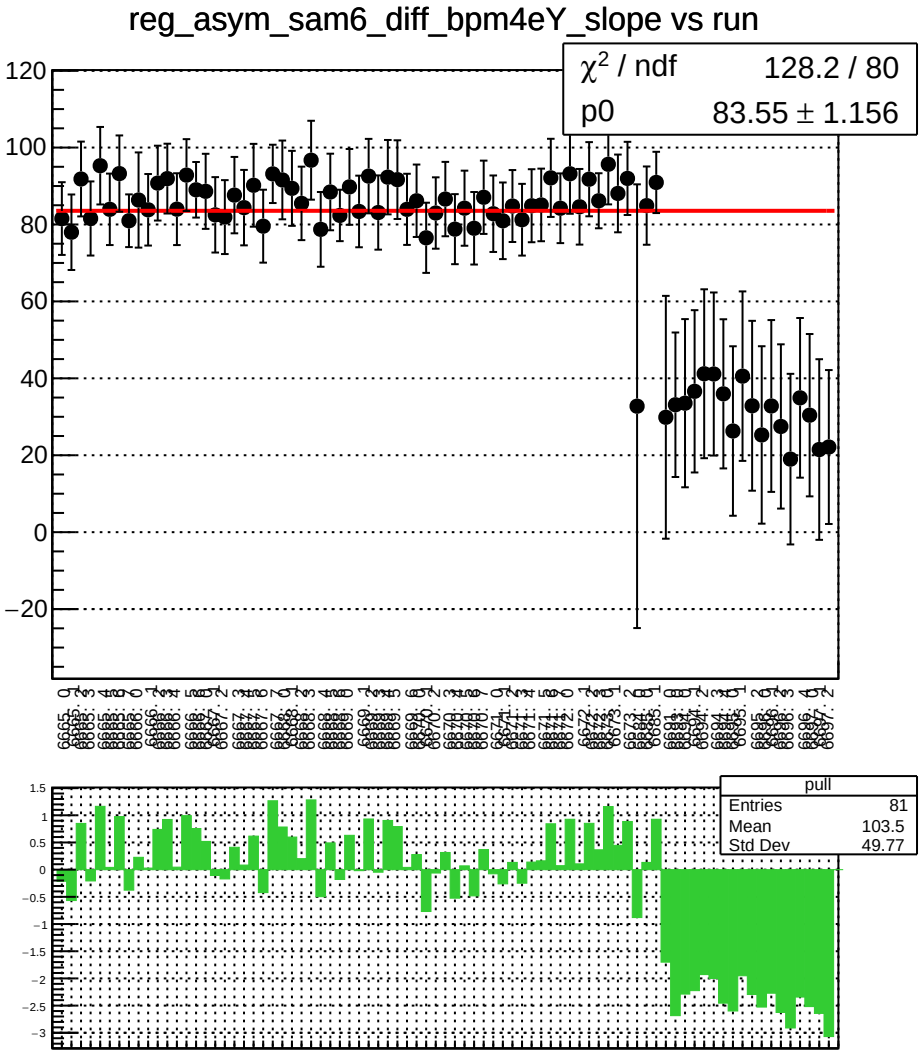

pull1D
Entries 81
Mean −0.03924
Std Dev 0.5184

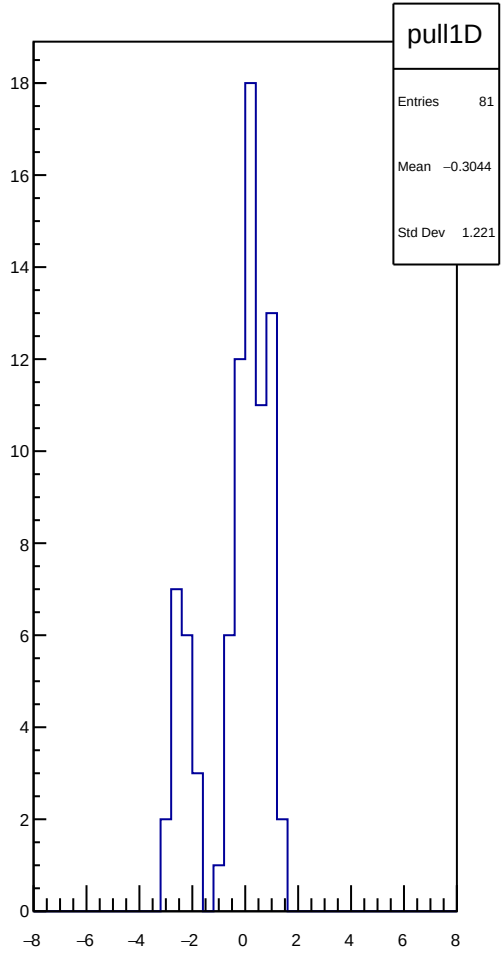

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 116.7 / 80
p0 45.74 ± 1.005
pull
Entries 81
Mean 95.14
Std Dev 39.41

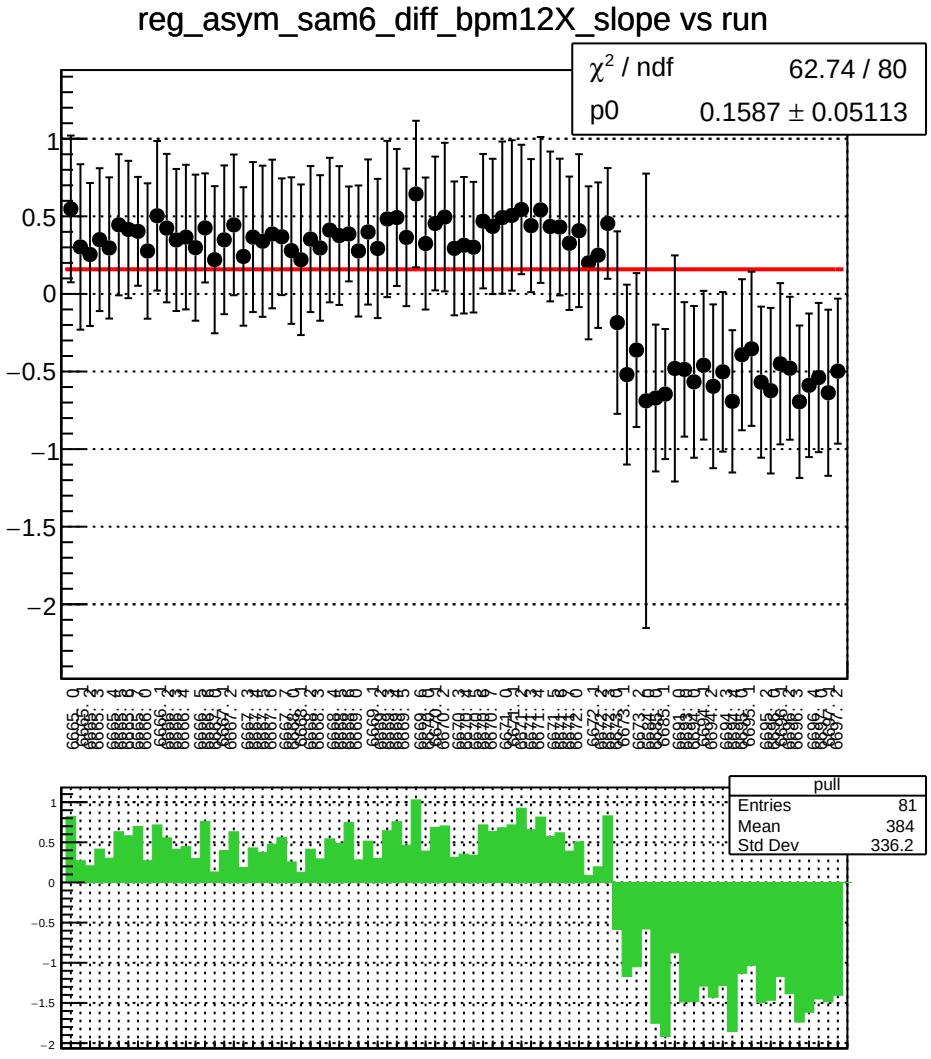

pull1D
Entries 81
Mean 0.3288
Std Dev 1.154

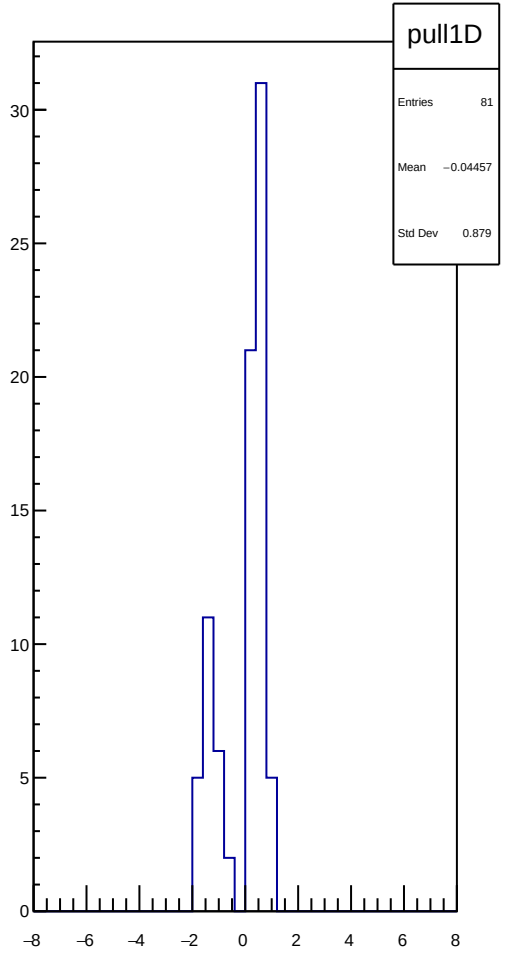

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 15.86 / 80
p0 57.04 ± 1.305
pull
Entries 81
Mean 510.9
Std Dev 460.7

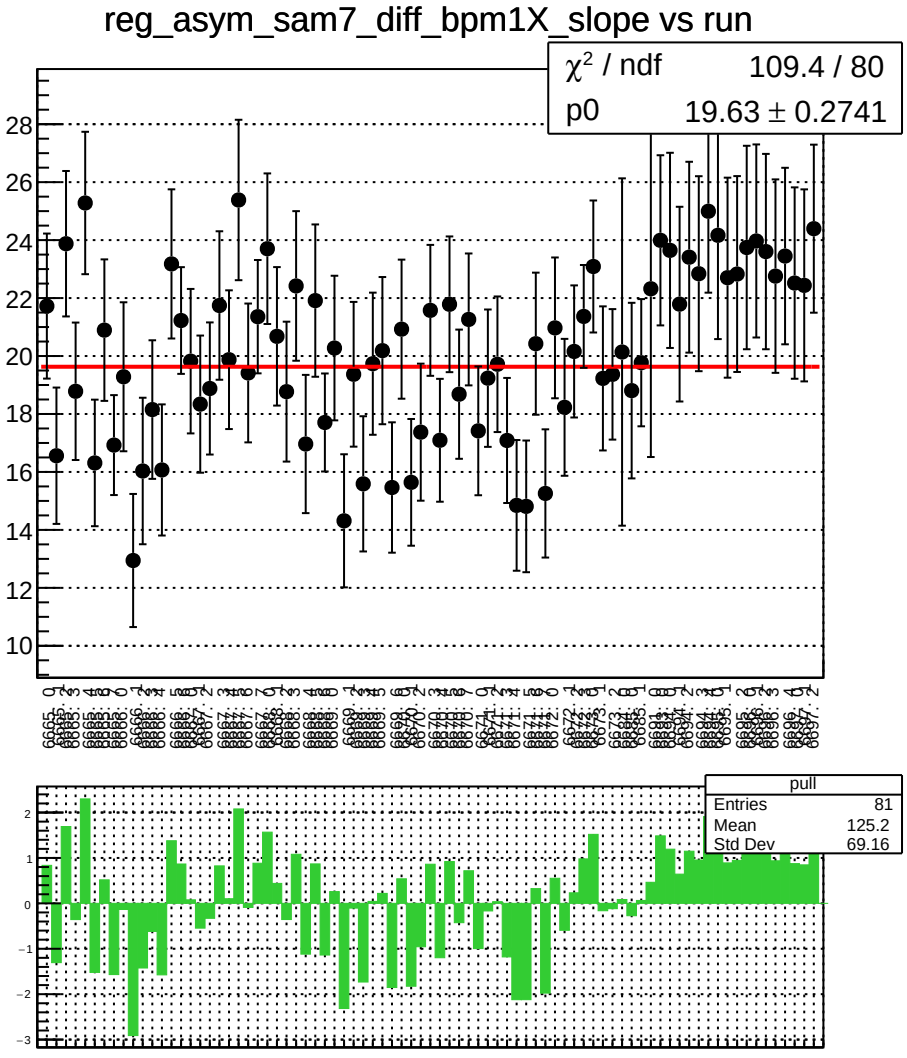

pull1D
Entries 81
Mean 0.0135
Std Dev 0.4423

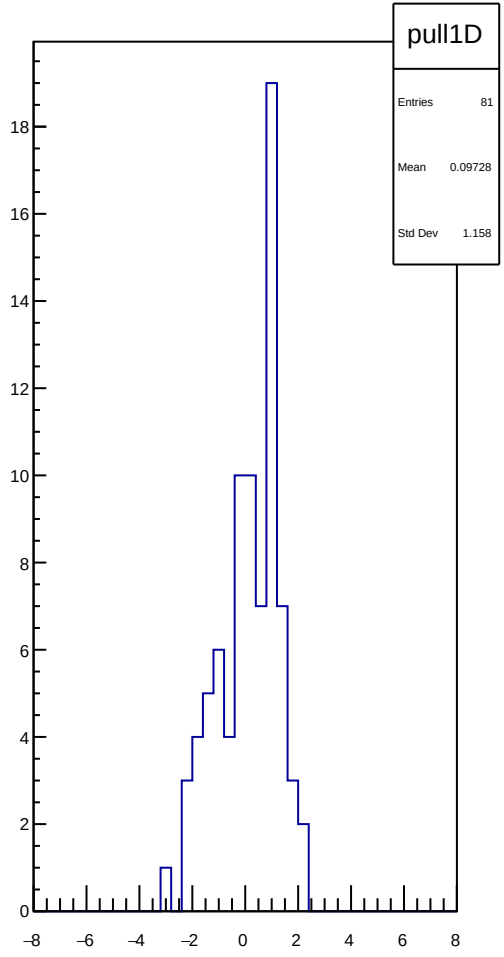

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 128.2 / 80
p0 83.55 ± 1.156
pull
Entries 81
Mean 103.5
Std Dev 49.77

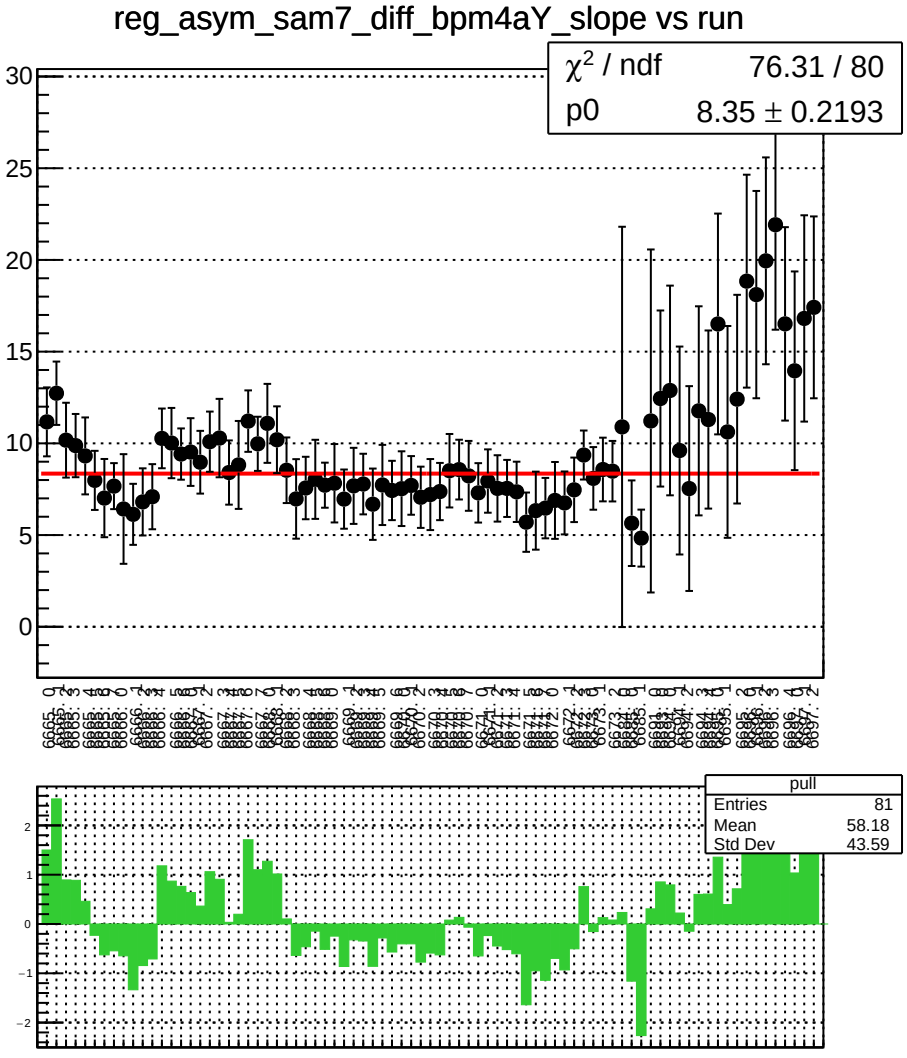

pull1D
Entries 81
Mean −0.3044
Std Dev 1.221

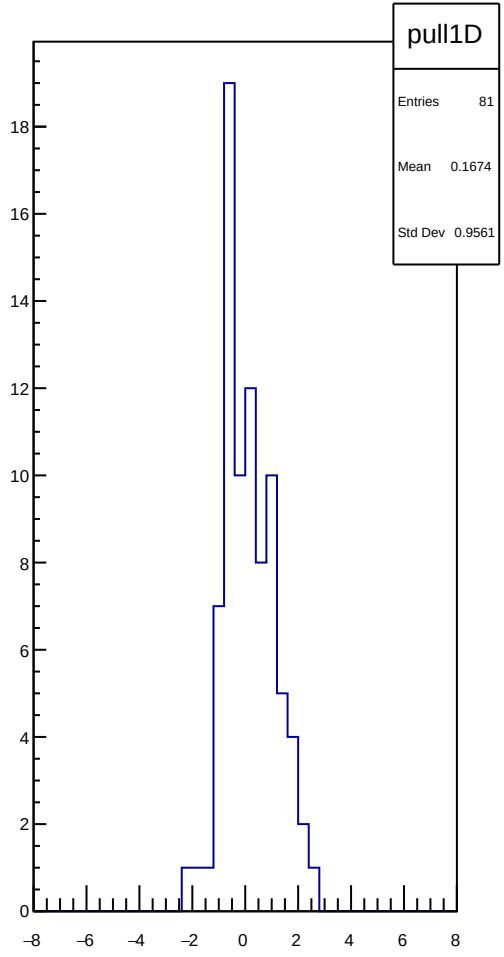

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 62.74 / 80
p0 0.1587 ± 0.05113
pull
Entries 81
Mean 384
Std Dev 336.2

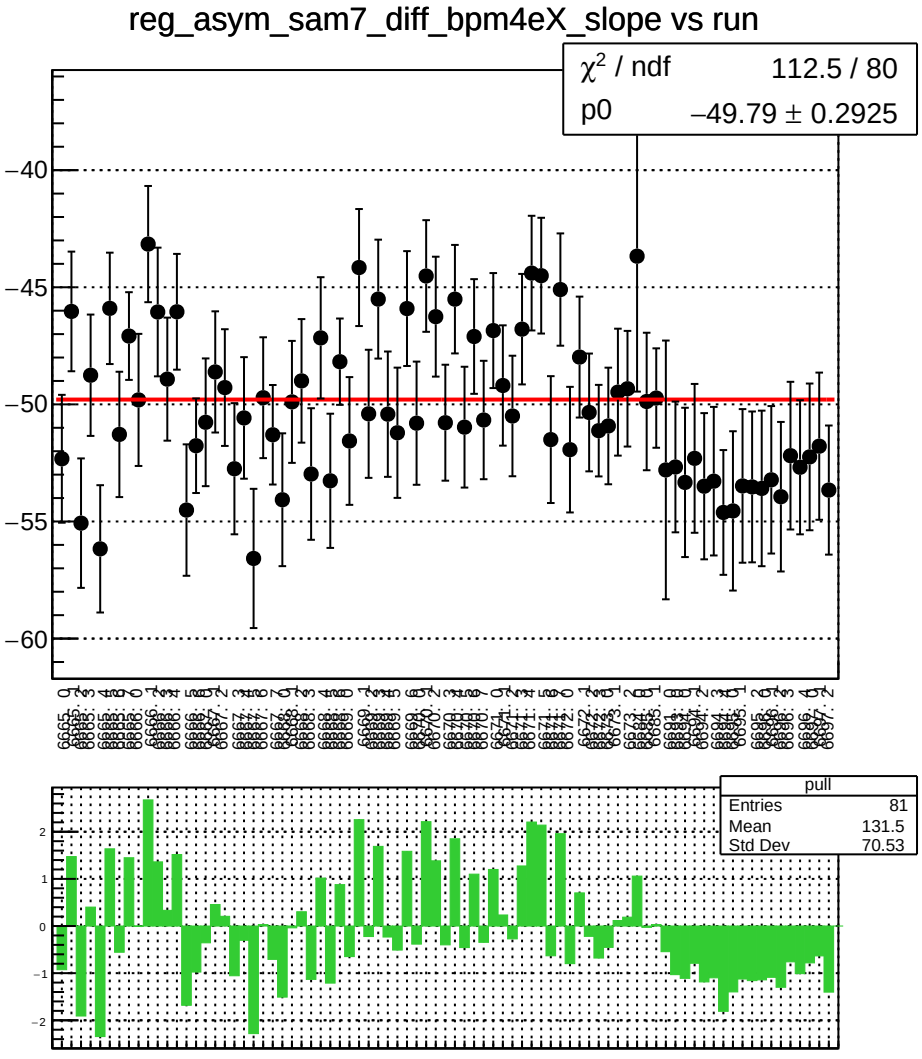

pull1D
Entries 81
Mean −0.04457
Std Dev 0.879

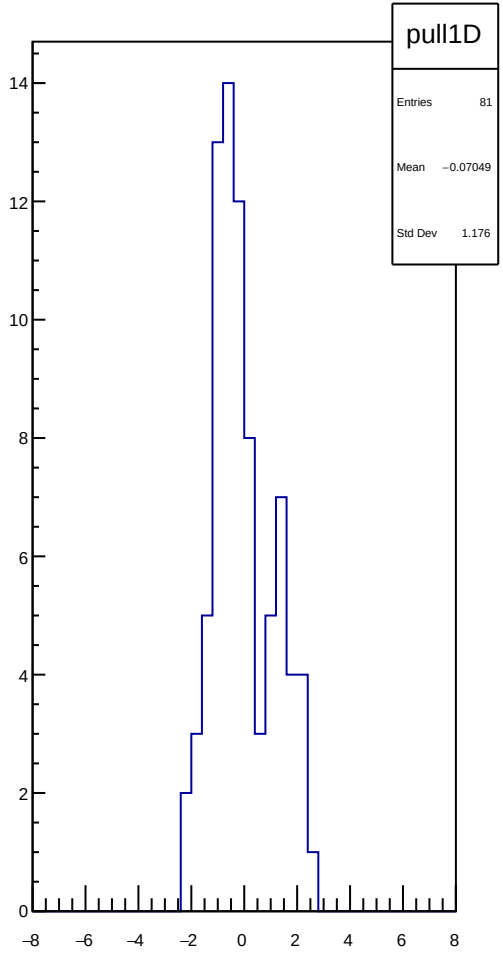

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 109.4 / 80
p0 19.63 ± 0.2741
pull
Entries 81
Mean 125.2
Std Dev 69.16

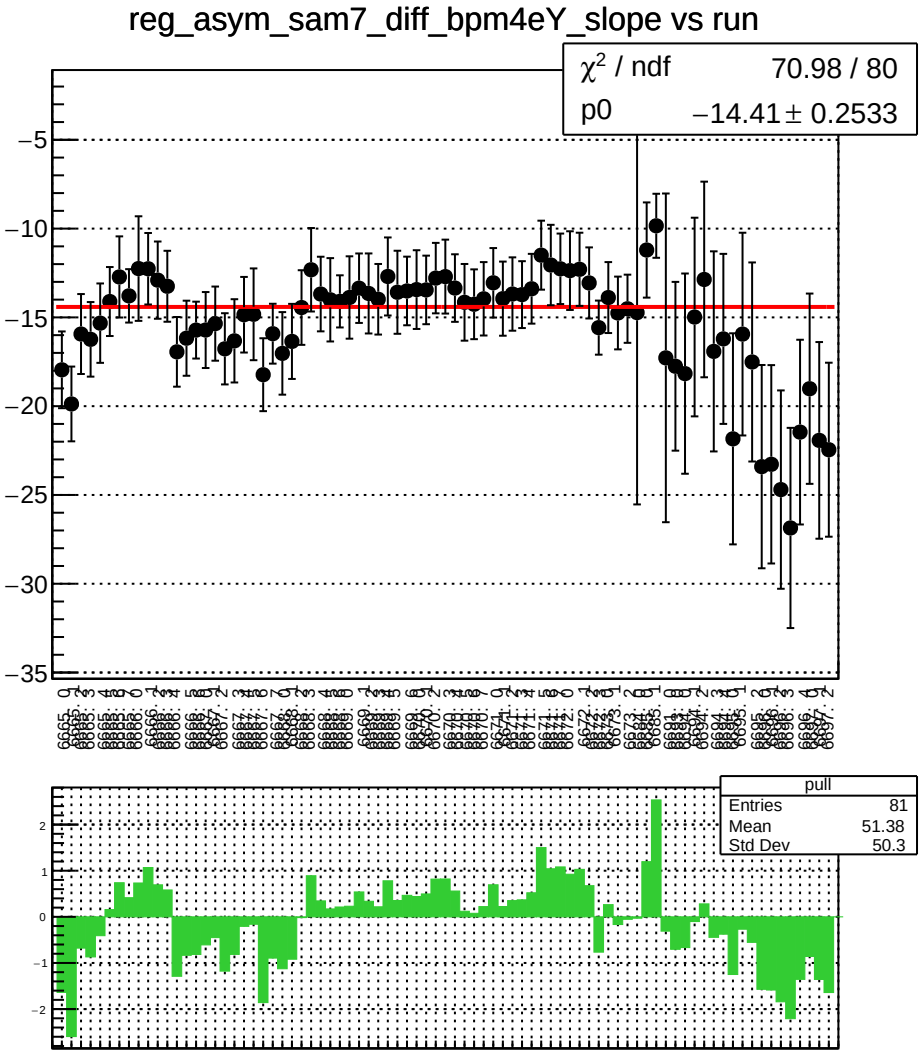

pull1D
Entries 81
Mean 0.09728
Std Dev 1.158

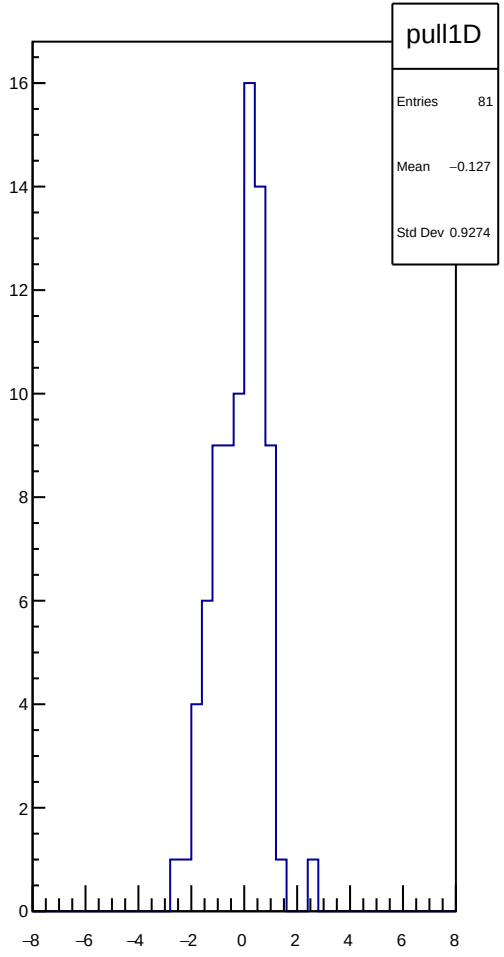

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 76.31 / 80
p0 8.35 ± 0.2193
pull
Entries 81
Mean 58.18
Std Dev 43.59

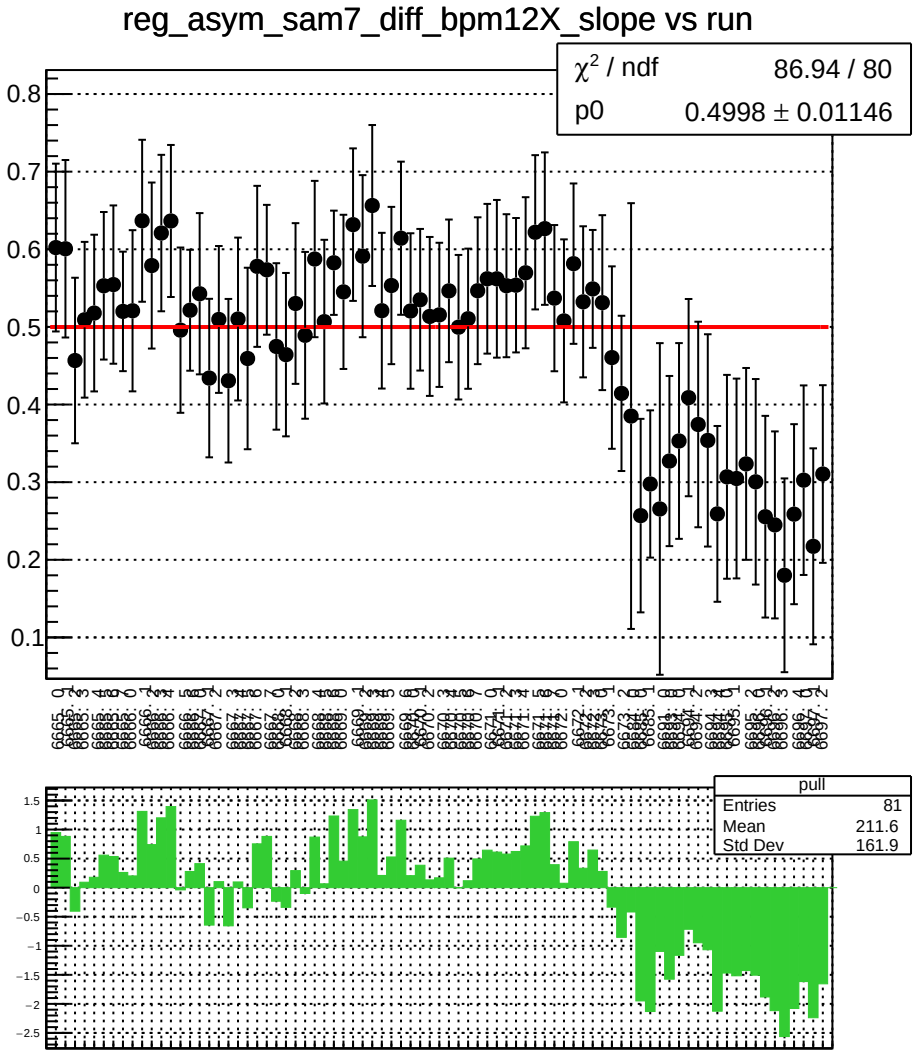

pull1D
Entries 81
Mean 0.1674
Std Dev 0.9561

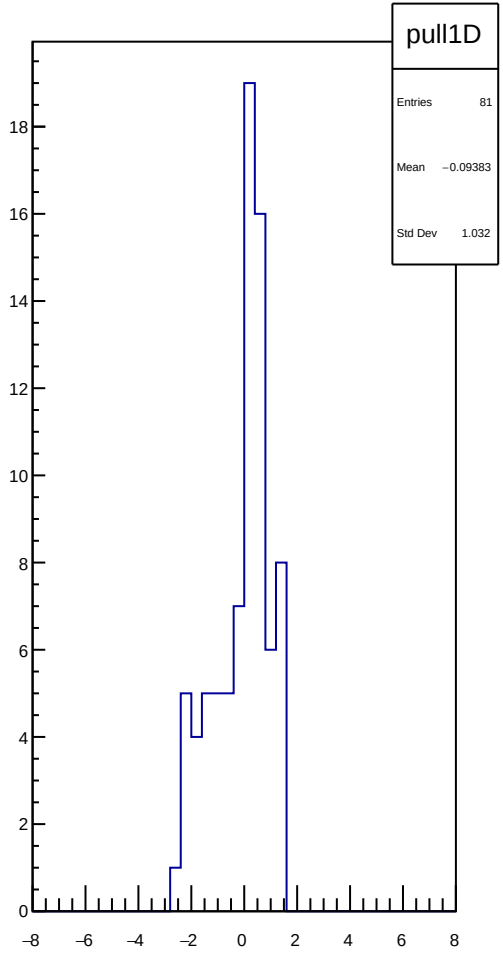

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 112.5 / 80
p0 −49.79 ± 0.2925
−40
−45
−50
−55
−60
pull
Entries 81
Mean 131.5
Std Dev 70.53
2
1
0
−1
−2

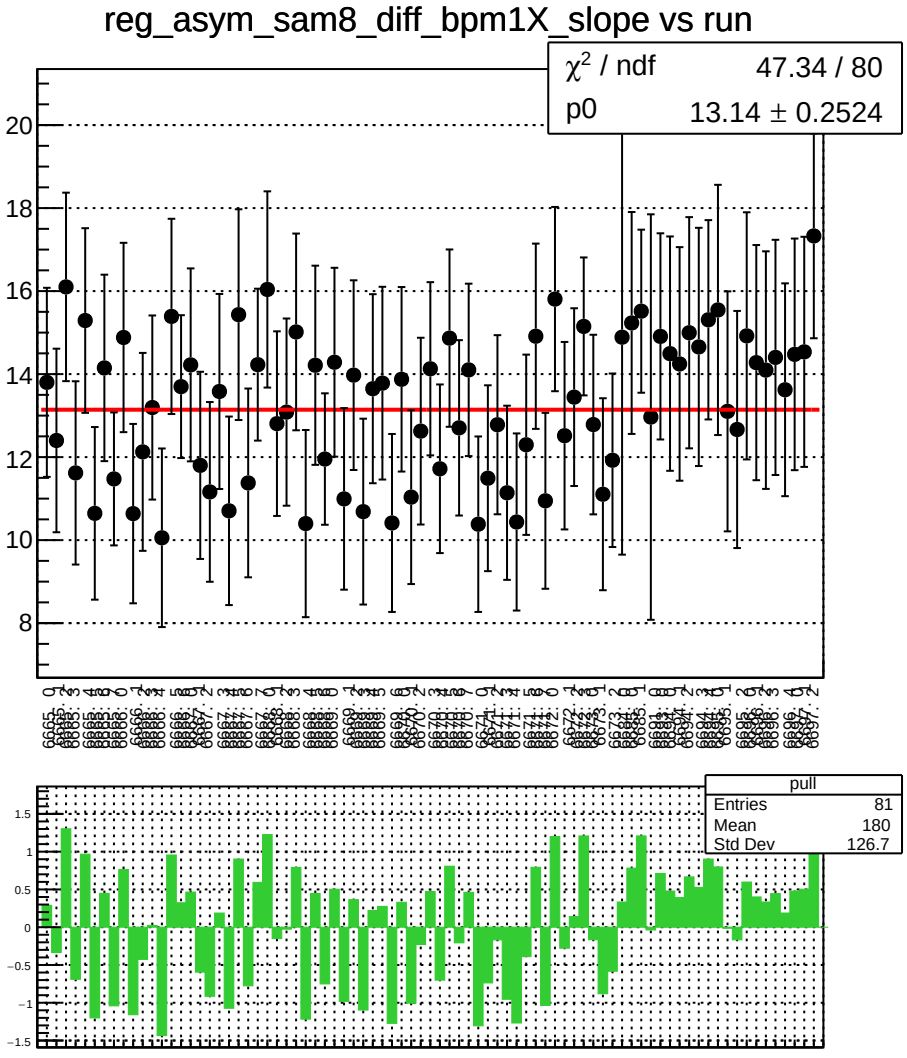

pull1D
Entries 81
Mean −0.07049
Std Dev 1.176
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

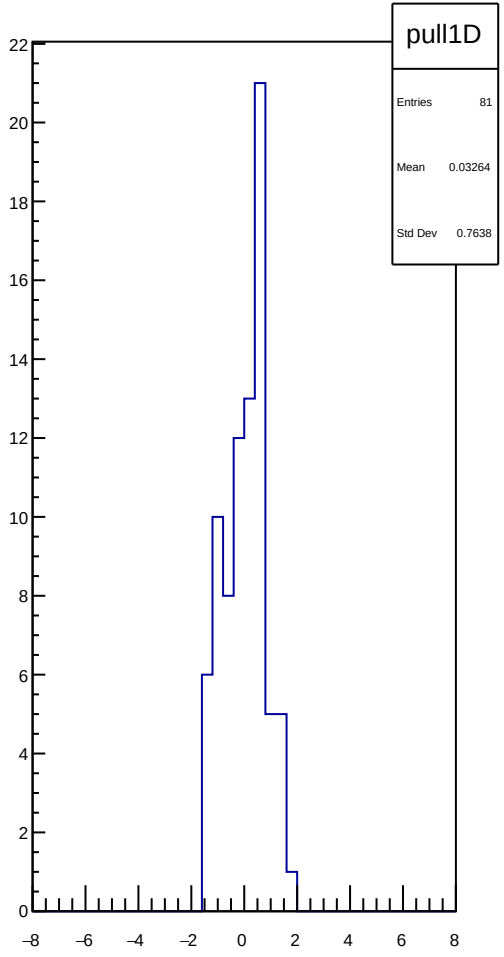

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 70.98 / 80
p0 −14.41 ± 0.2533
pull
Entries 81
Mean 51.38
Std Dev 50.3

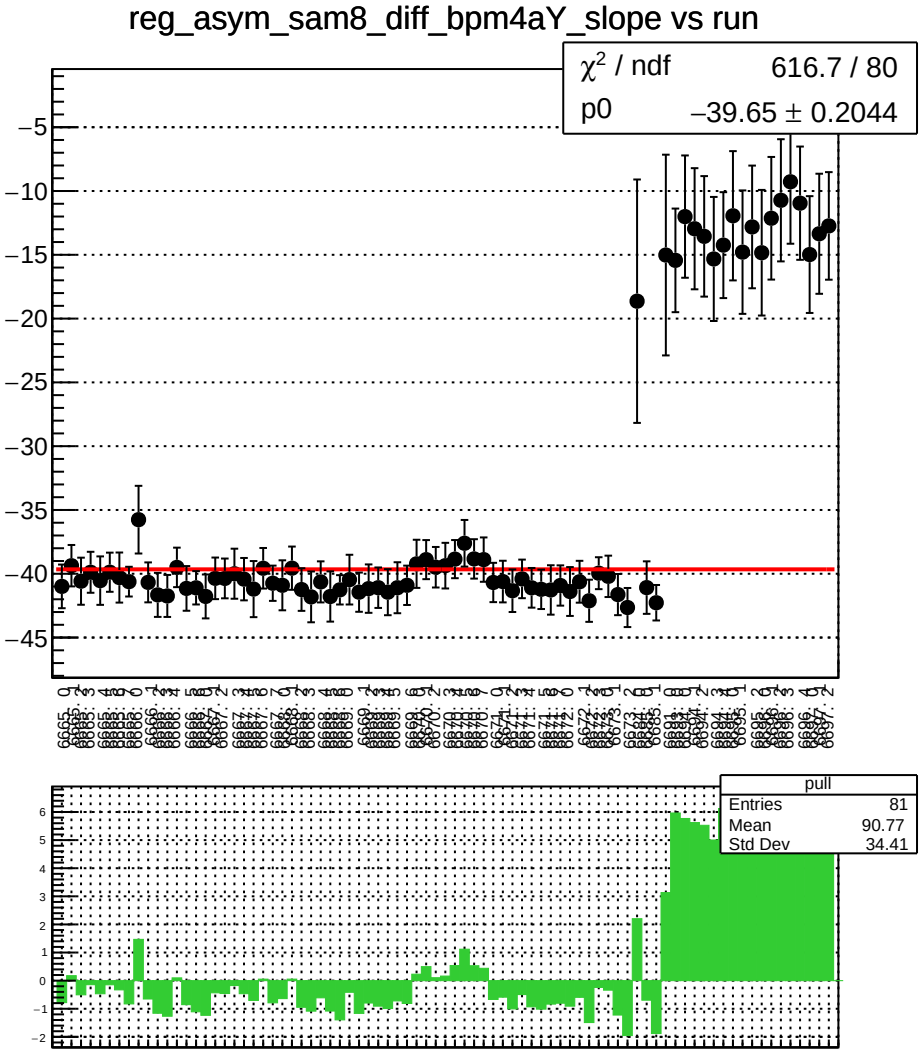

pull1D
Entries 81
Mean −0.127
Std Dev 0.9274

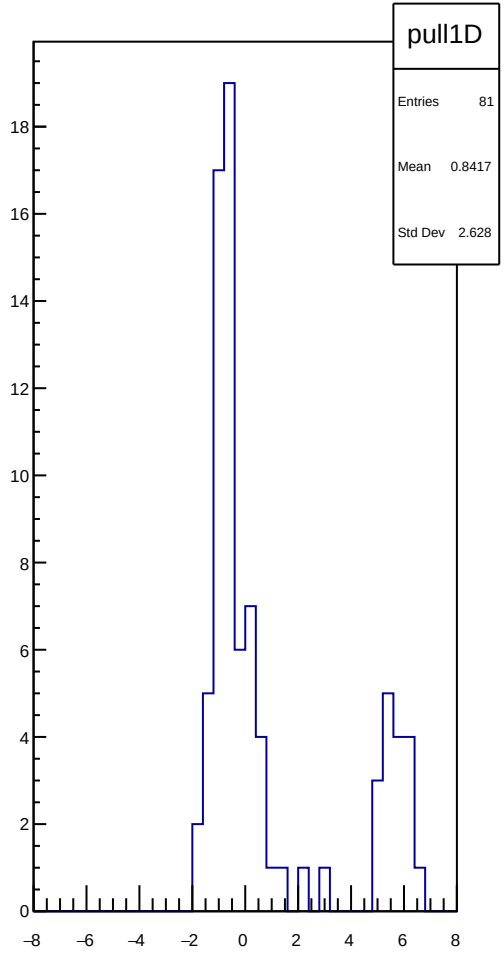

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 86.94 / 80
p0 0.4998 ± 0.01146
pull
Entries 81
Mean 211.6
Std Dev 161.9

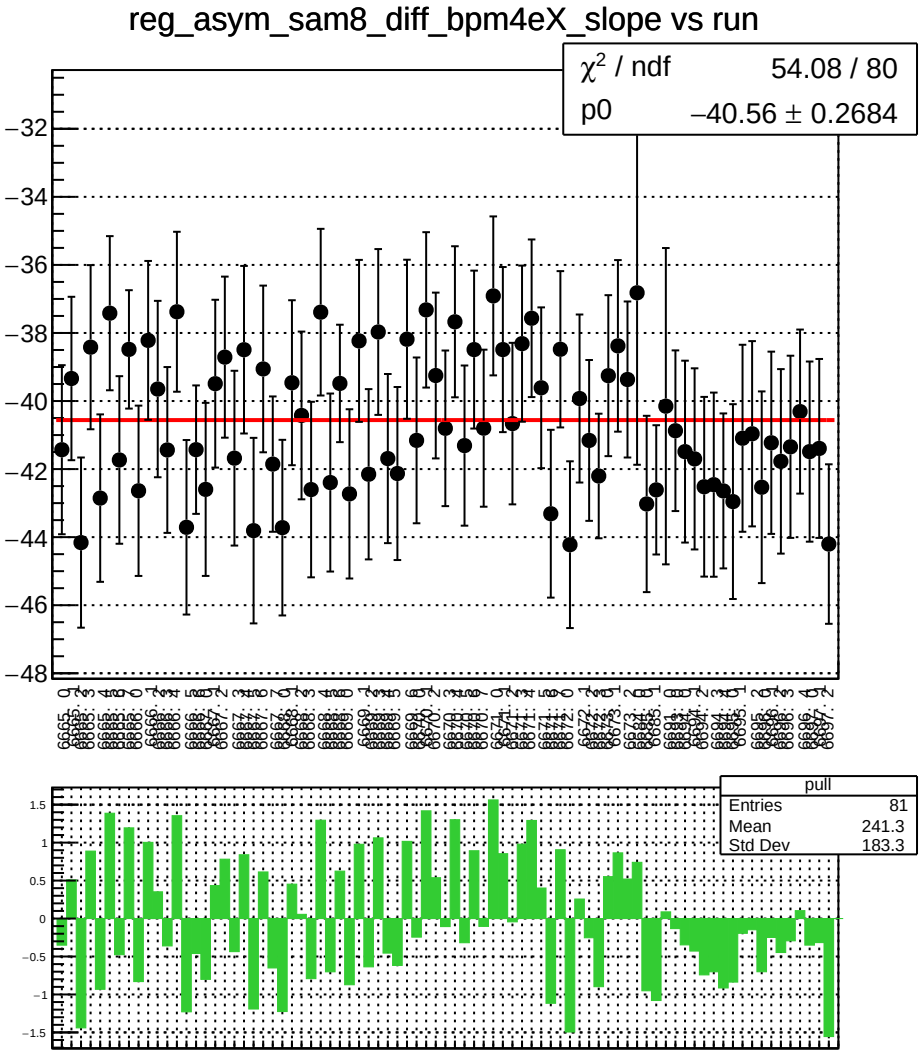

pull1D
Entries 81
Mean −0.09383
Std Dev 1.032

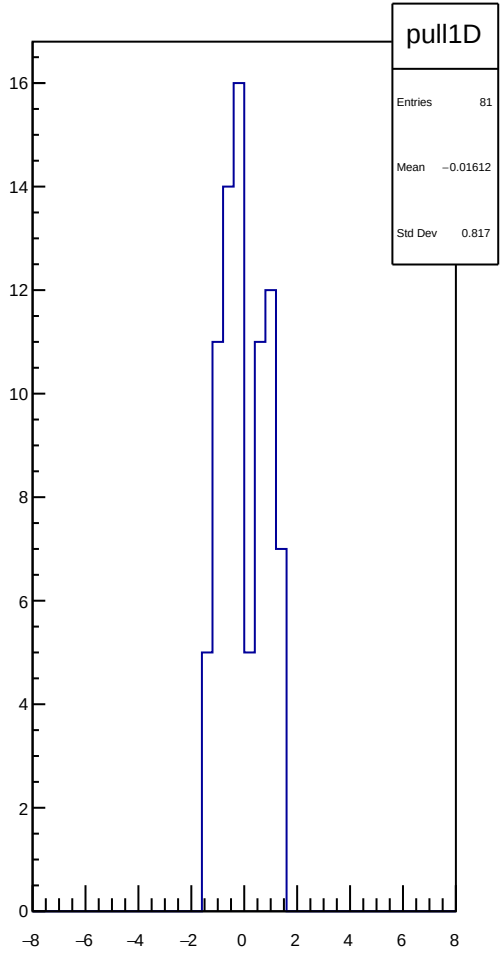

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 47.34 / 80
p0 13.14 ± 0.2524
pull
Entries 81
Mean 180
Std Dev 126.7

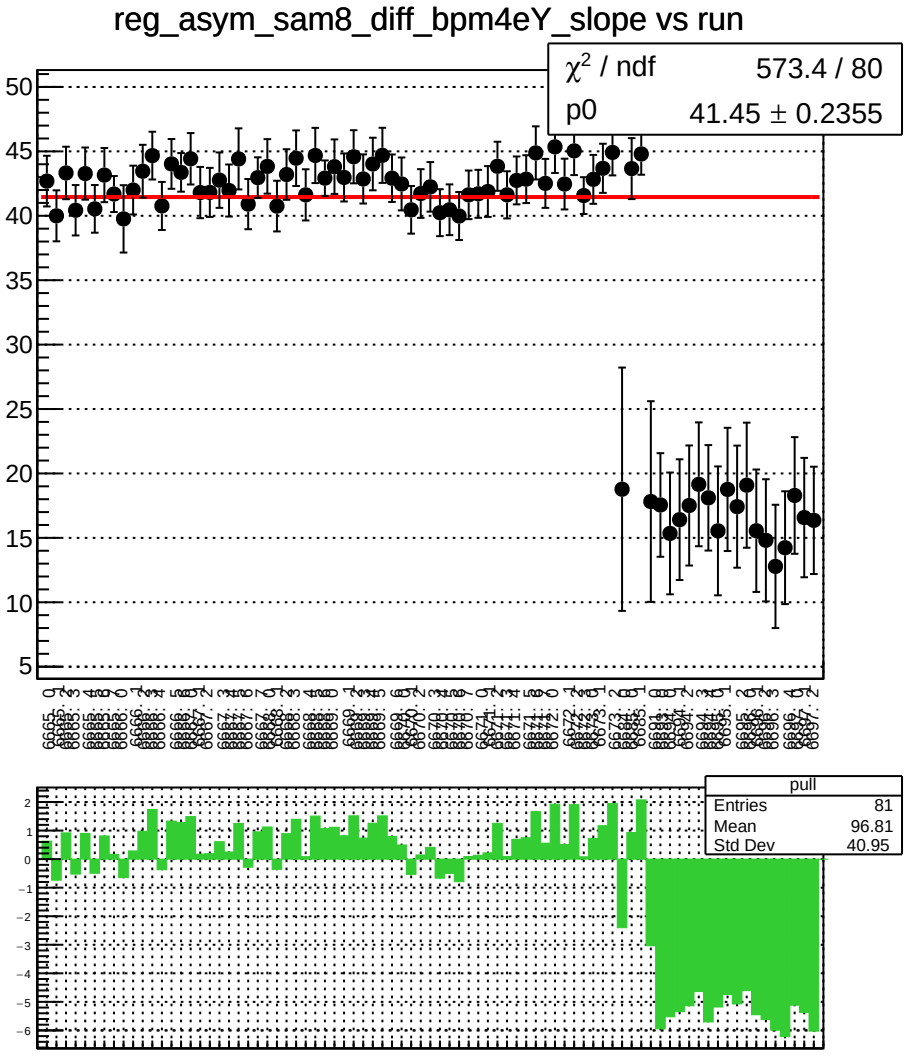

pull1D
Entries 81
Mean 0.03264
Std Dev 0.7638

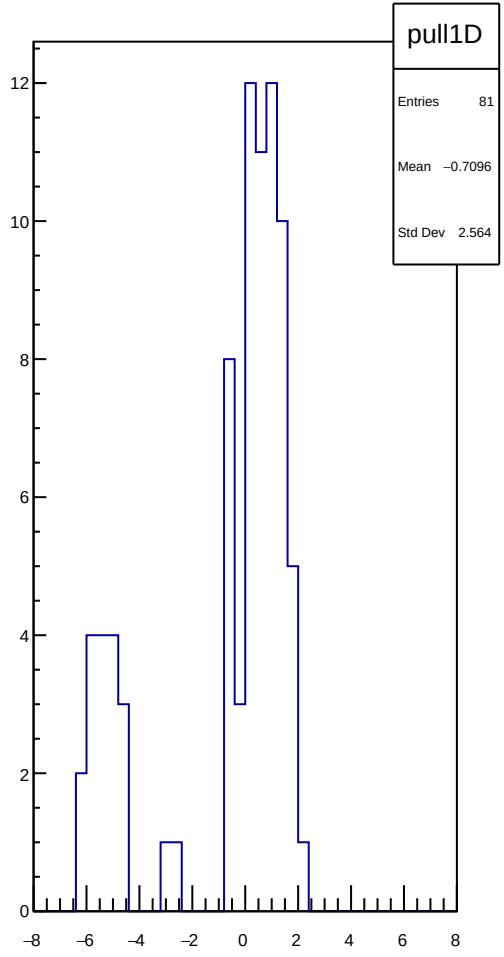

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 616.7 / 80
p0 −39.65 ± 0.2044
pull
Entries 81
Mean 90.77
Std Dev 34.41

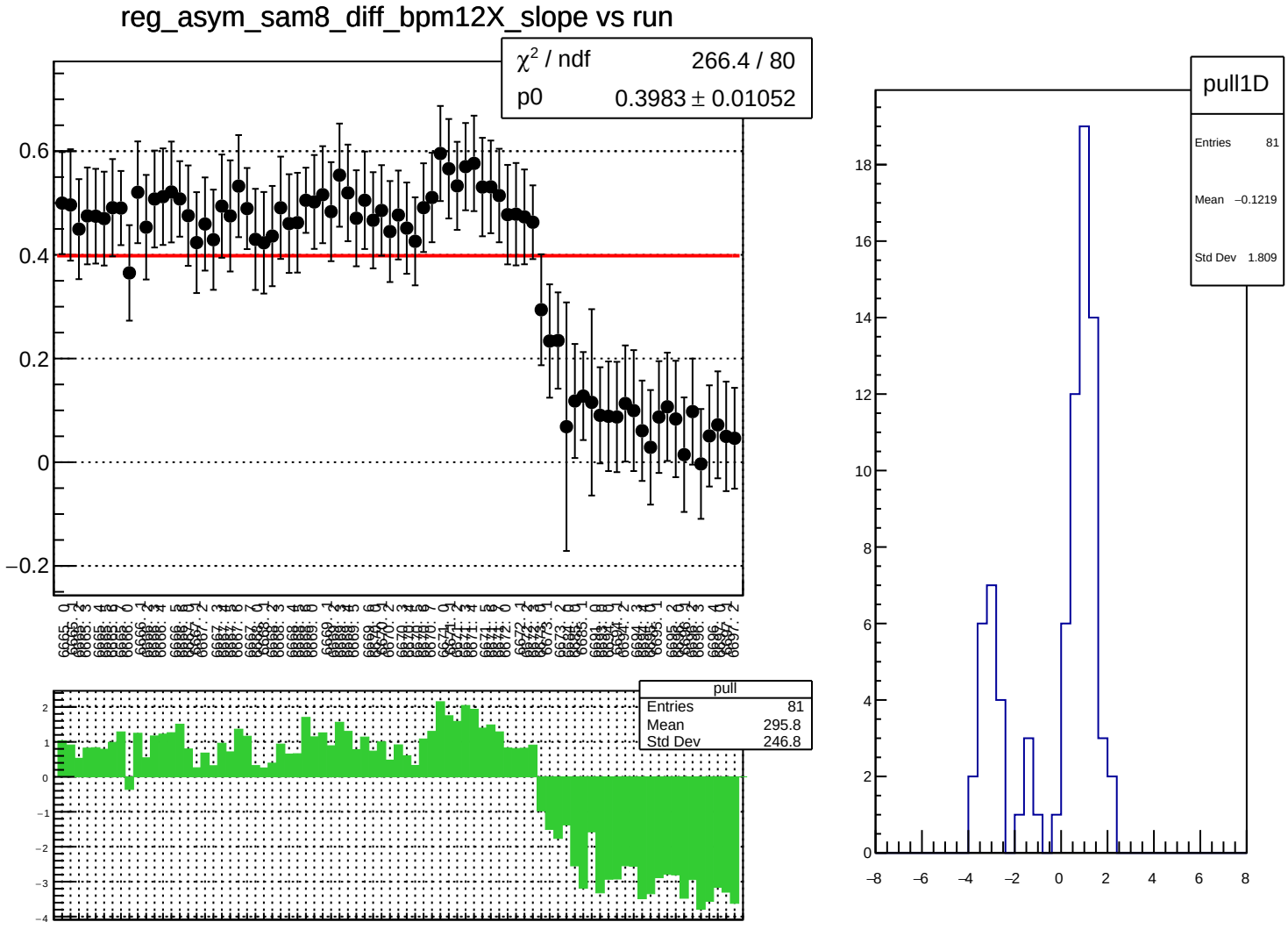

pull1D
Entries 81
Mean 0.8417
Std Dev 2.628

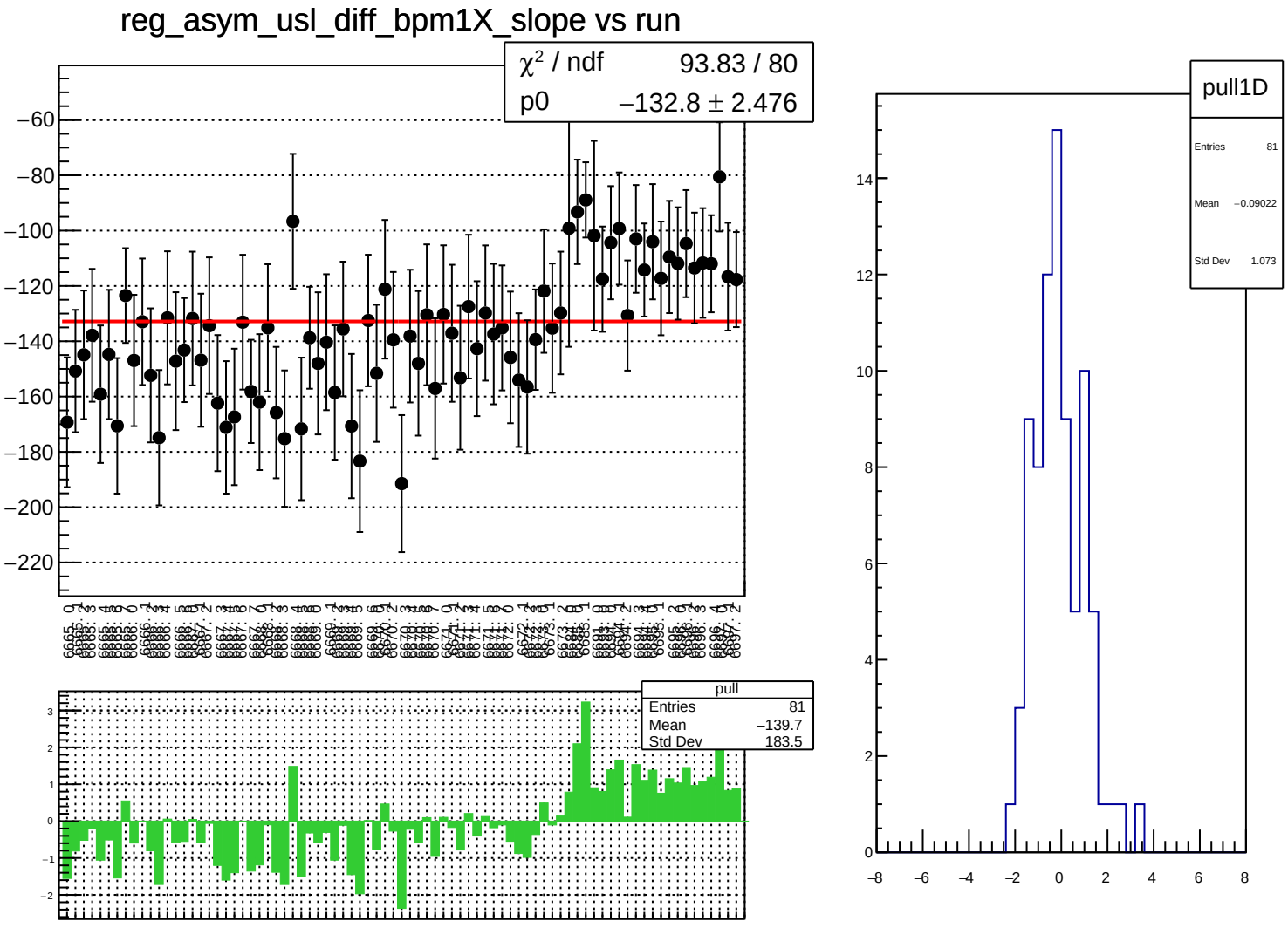

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 54.08 / 80
p0 −40.56 ± 0.2684
pull
Entries 81
Mean 241.3
Std Dev 183.3

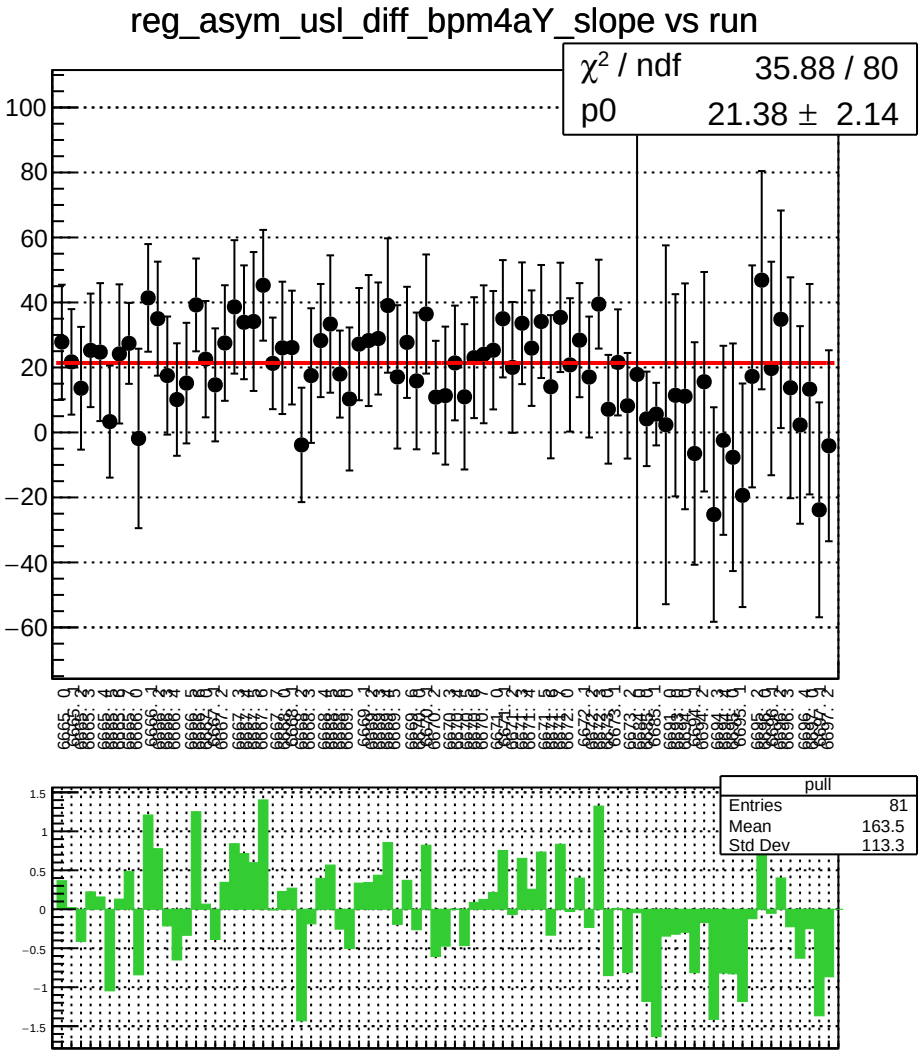

pull1D
Entries 81
Mean −0.01612
Std Dev 0.817

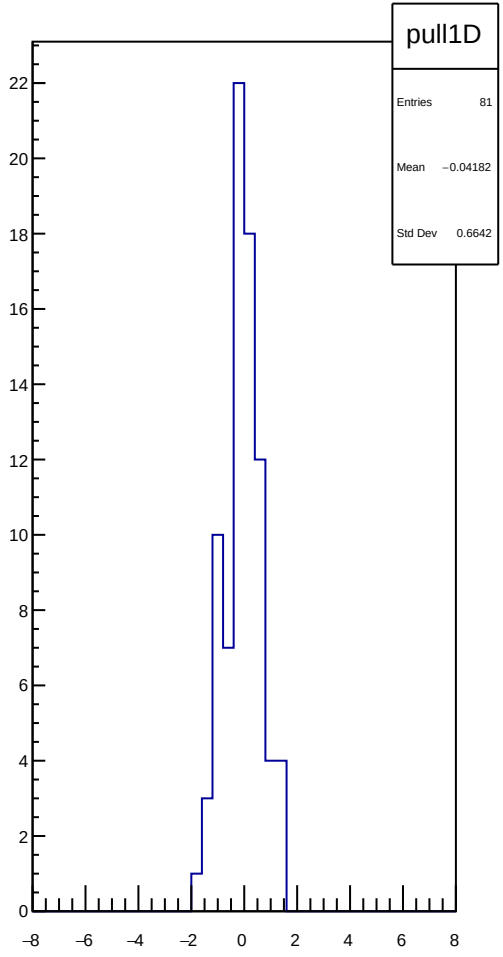

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 573.4 / 80
p0 41.45 ± 0.2355
pull
Entries 81
Mean 96.81
Std Dev 40.95

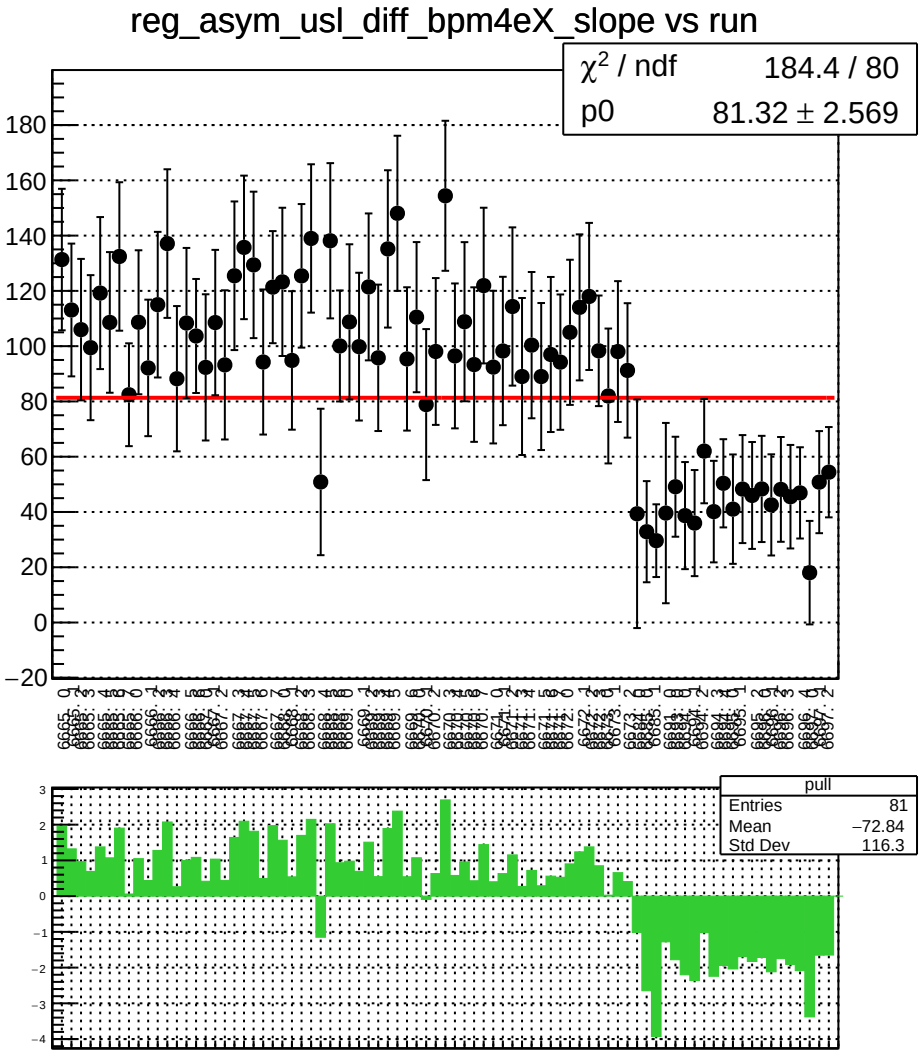

pull1D
Entries 81
Mean −0.7096
Std Dev 2.564

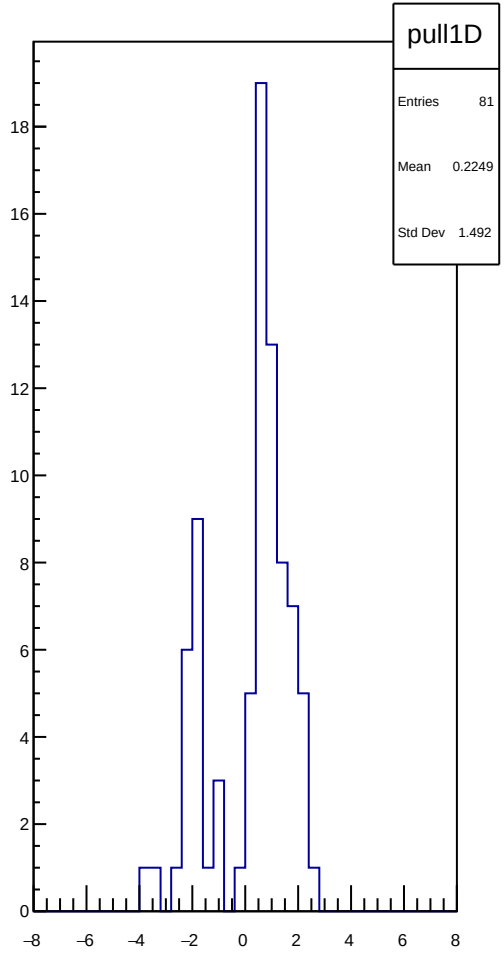

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 266.4 / 80
p0 0.3983 ± 0.01052
pull
Entries 81
Mean 295.8
Std Dev 246.8
pull1D
Entries 81
Mean −0.1219
Std Dev 1.809

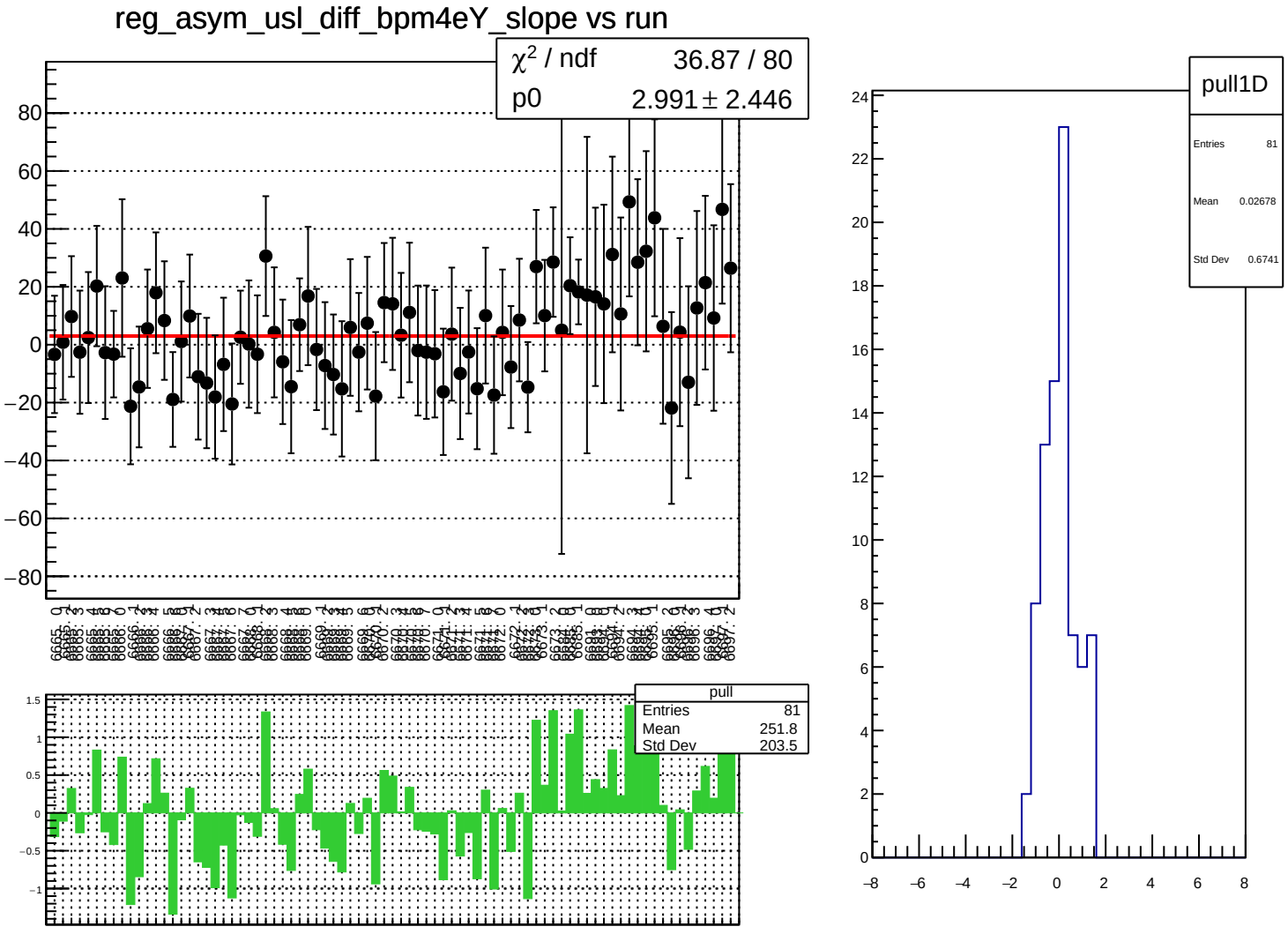

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 93.83 / 80
p0 −132.8 ± 2.476
pull
Entries 81
Mean −139.7
Std Dev 183.5
pull1D
Entries 81
Mean −0.09022
Std Dev 1.073

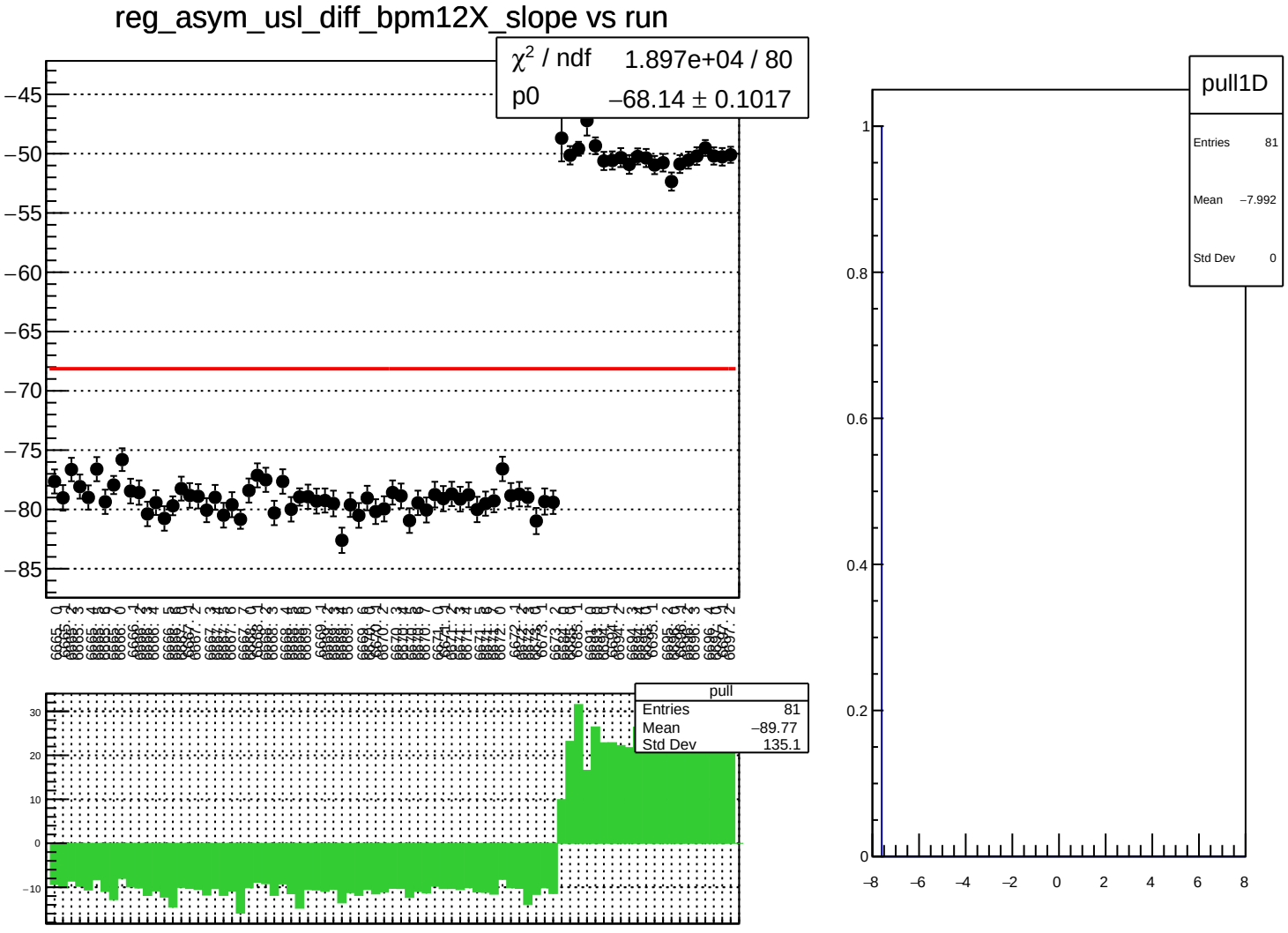

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 35.88 / 80
p0 21.38 ± 2.14
pull
Entries 81
Mean 163.5
Std Dev 113.3

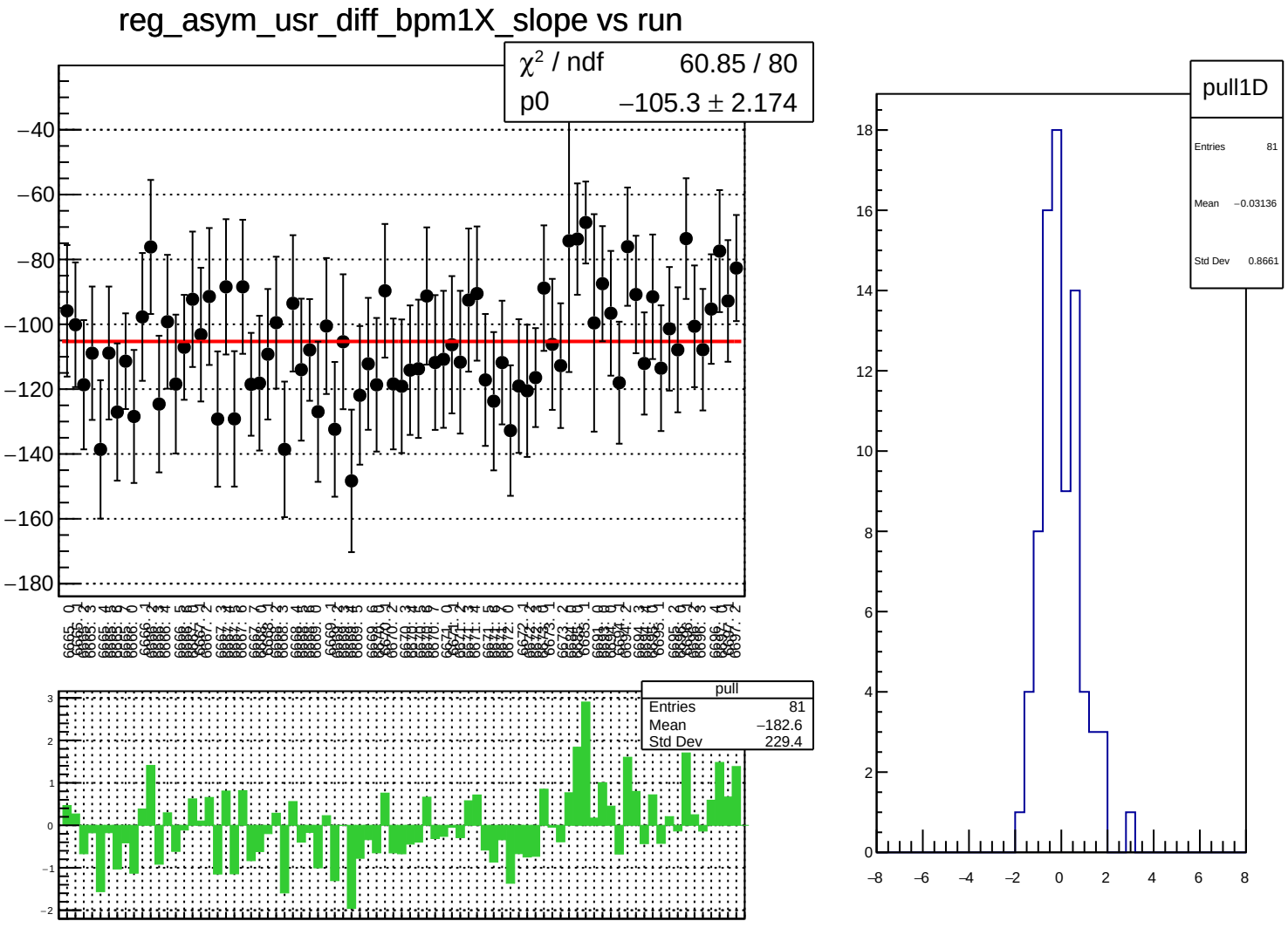

pull1D
Entries 81
Mean −0.04182
Std Dev 0.6642

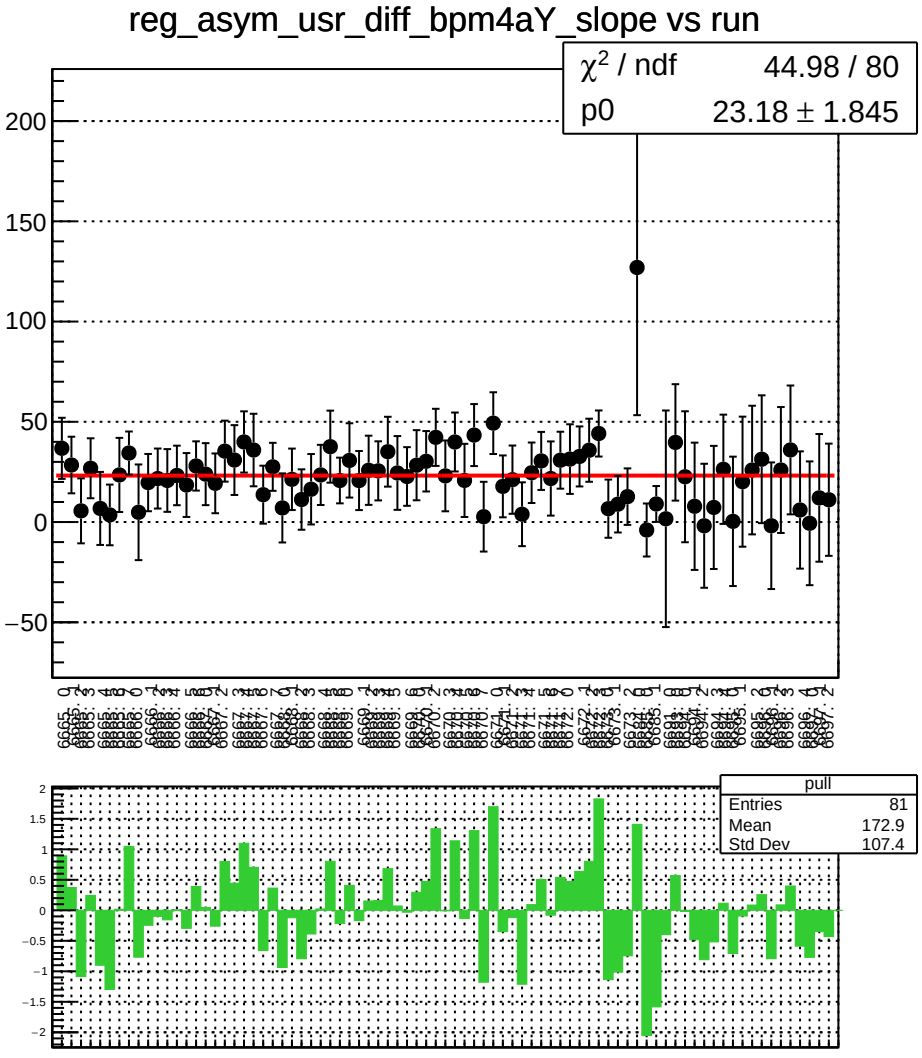

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 184.4 / 80
p0 81.32 ± 2.569
pull
Entries 81
Mean −72.84
Std Dev 116.3

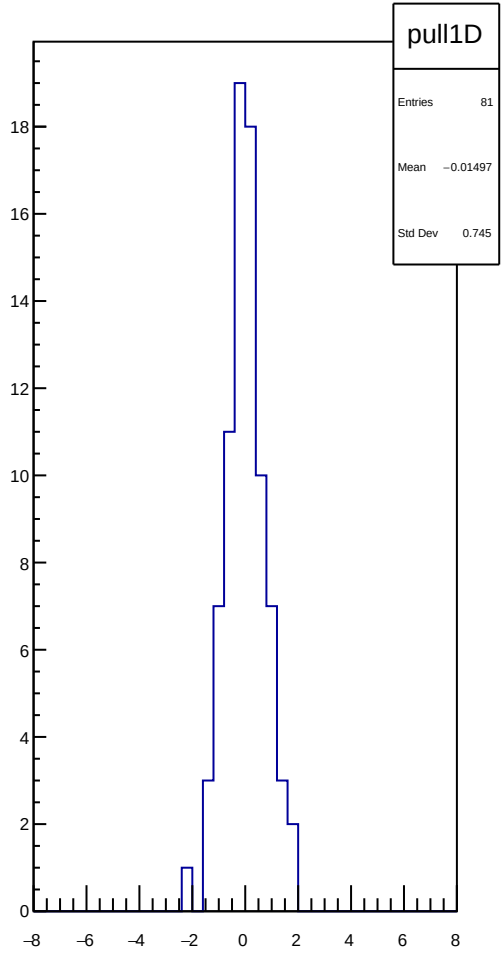

pull1D
Entries 81
Mean 0.2249
Std Dev 1.492

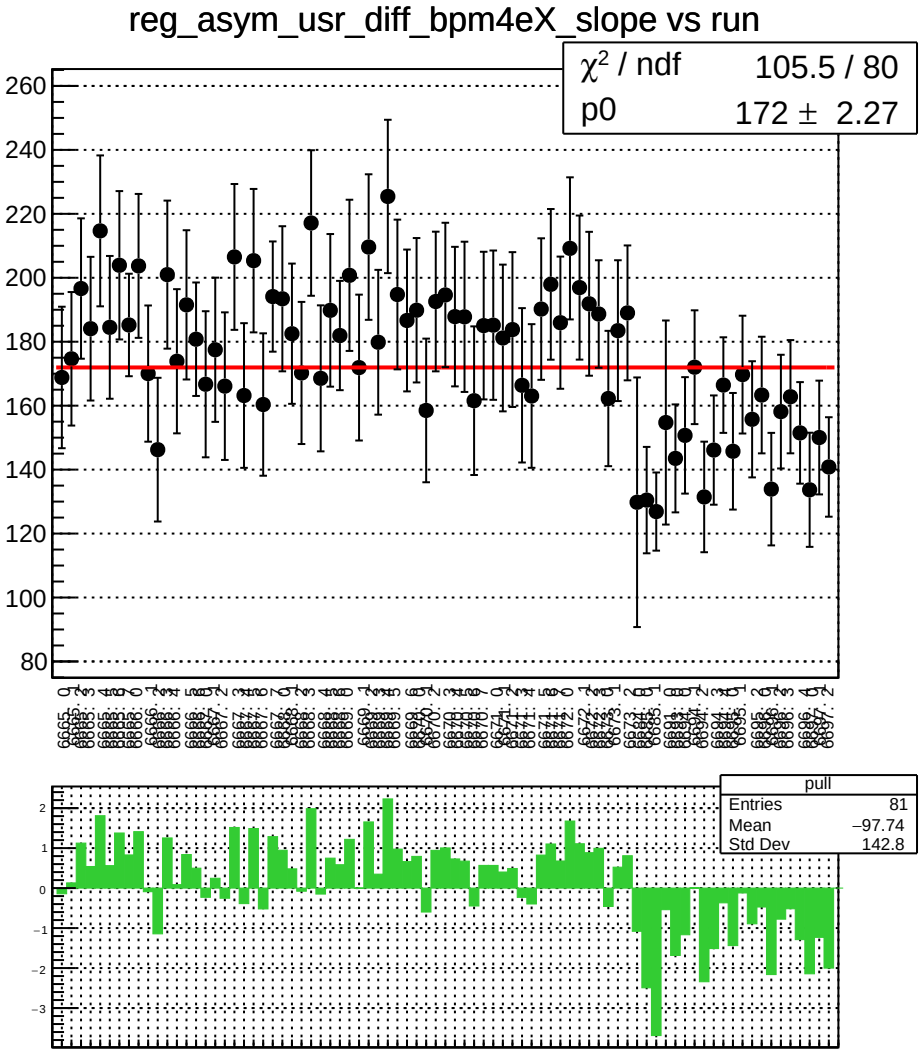

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 36.87 / 80
p0 2.991 ± 2.446
pull
Entries 81
Mean 251.8
Std Dev 203.5
pull1D
Entries 81
Mean 0.02678
Std Dev 0.6741

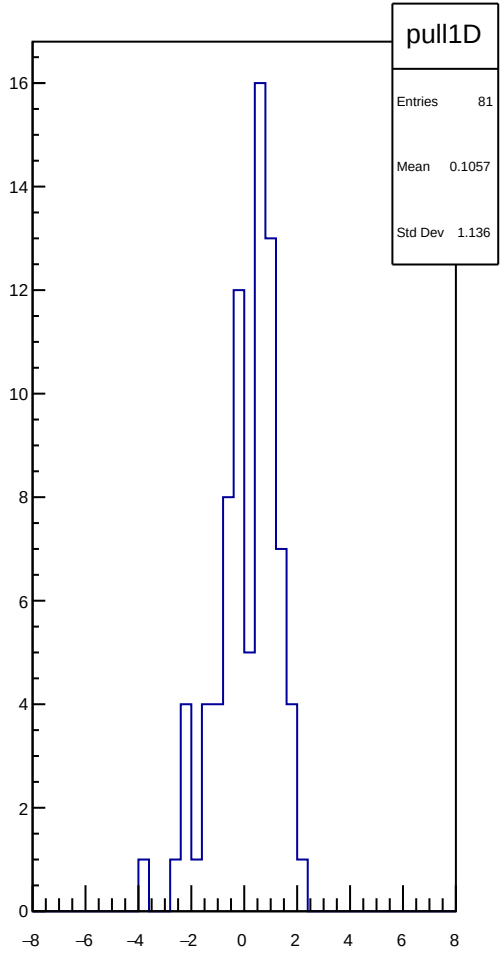

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 1.897e+04 / 80
p0 −68.14 ± 0.1017
pull
Entries 81
Mean −89.77
Std Dev 135.1
pull1D
Entries 81
Mean −7.992
Std Dev 0

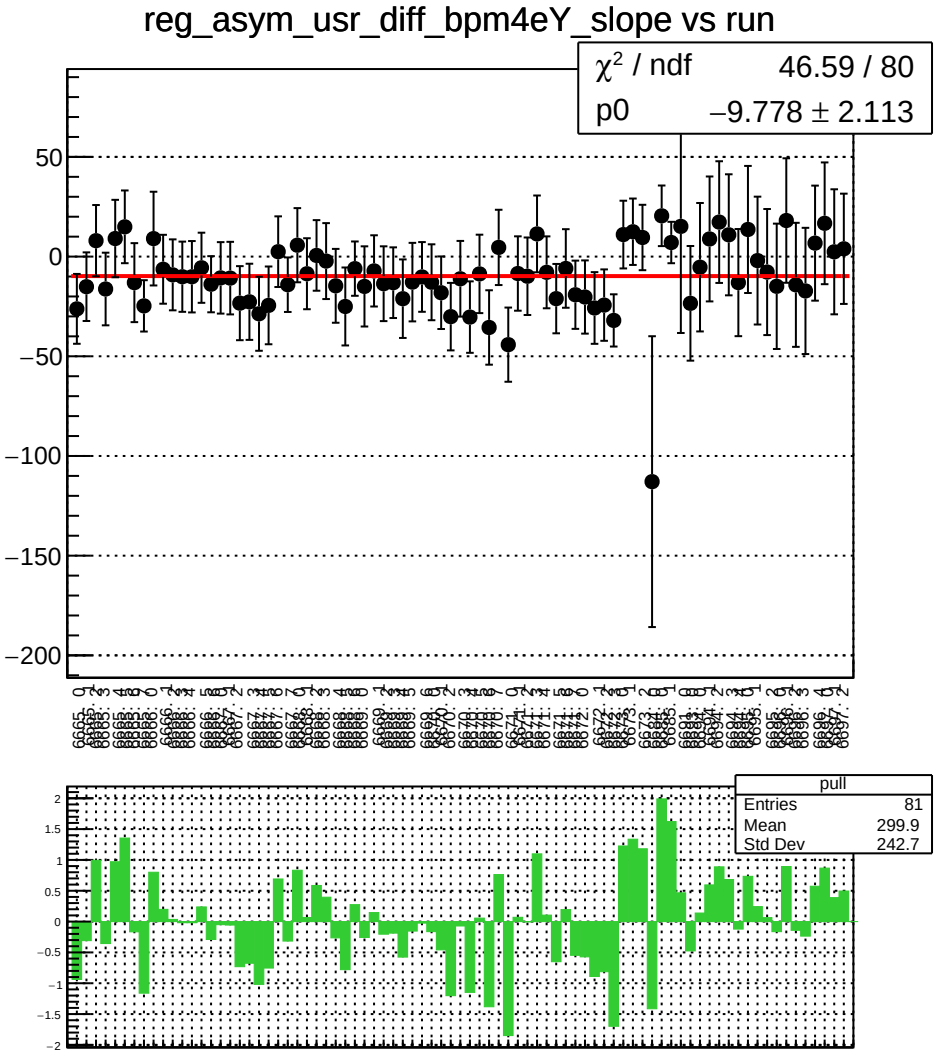

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 60.85 / 80
p0 −105.3 ± 2.174
pull
Entries 81
Mean −182.6
Std Dev 229.4
pull1D
Entries 81
Mean −0.03136
Std Dev 0.8661

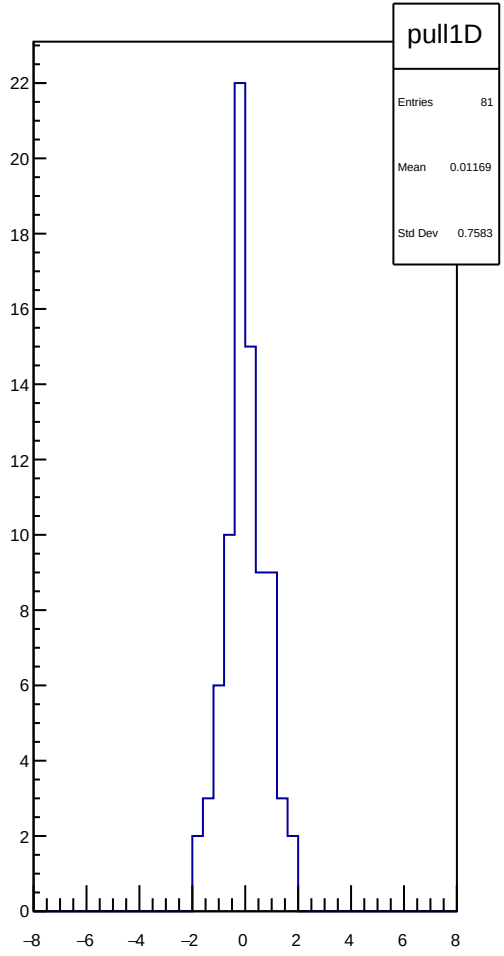

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 44.98 / 80
p0 23.18 ± 1.845
pull
Entries 81
Mean 172.9
Std Dev 107.4

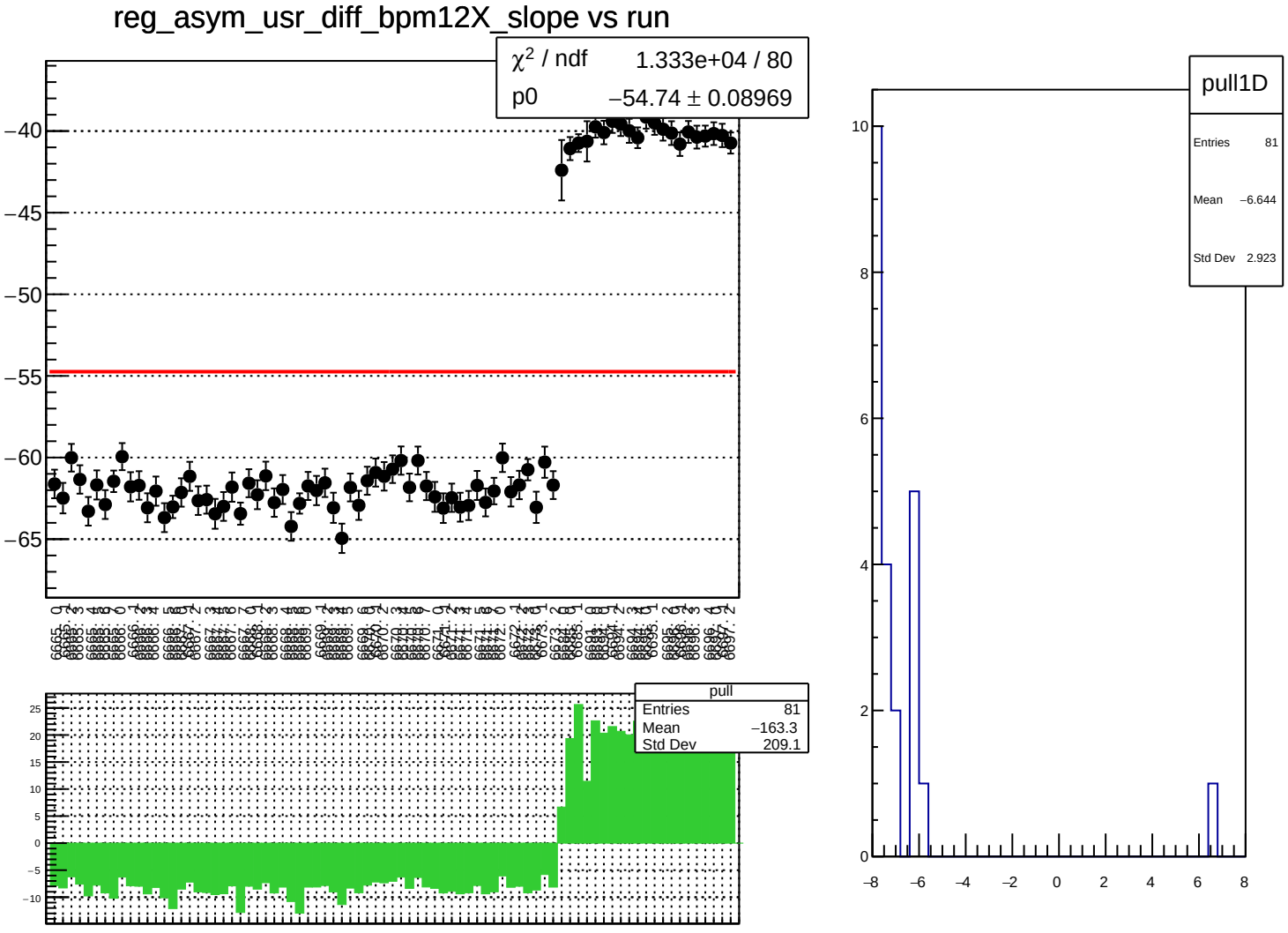

pull1D
Entries 81
Mean −0.01497
Std Dev 0.745

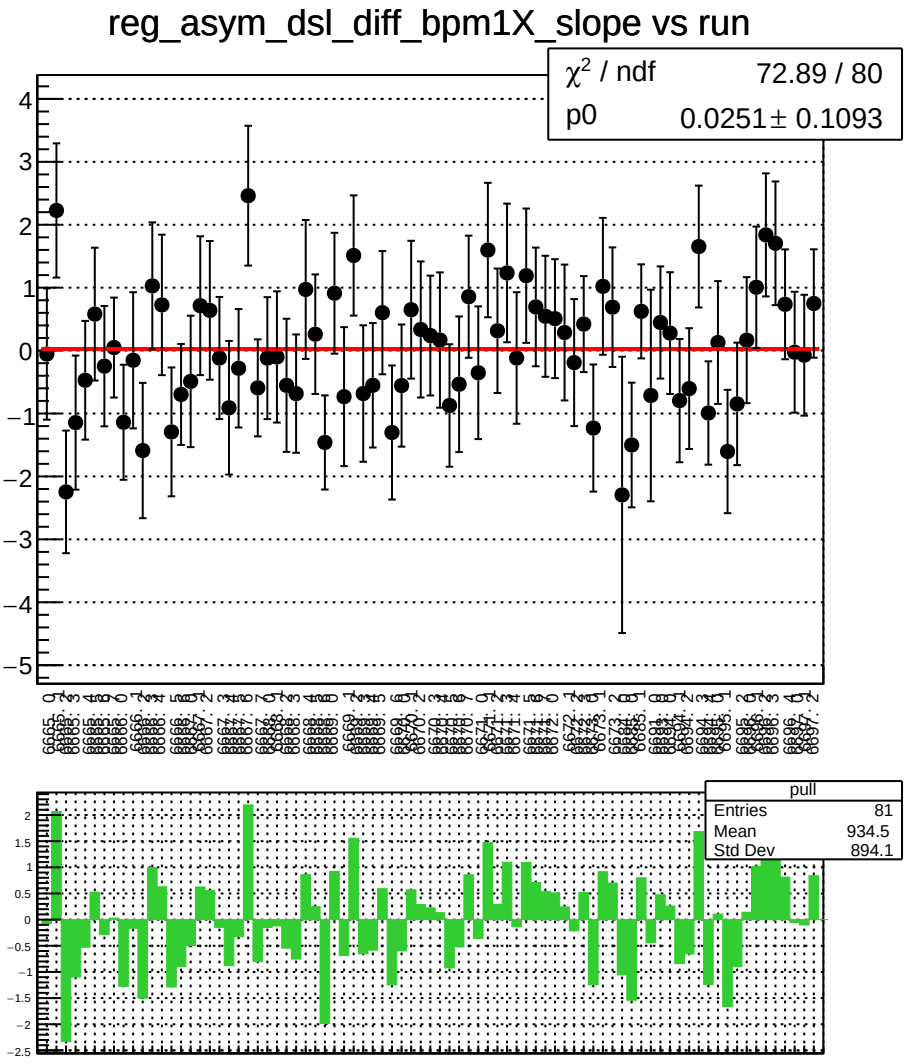

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 105.5 / 80
p0 172 ± 2.27
pull
Entries 81
Mean −97.74
Std Dev 142.8

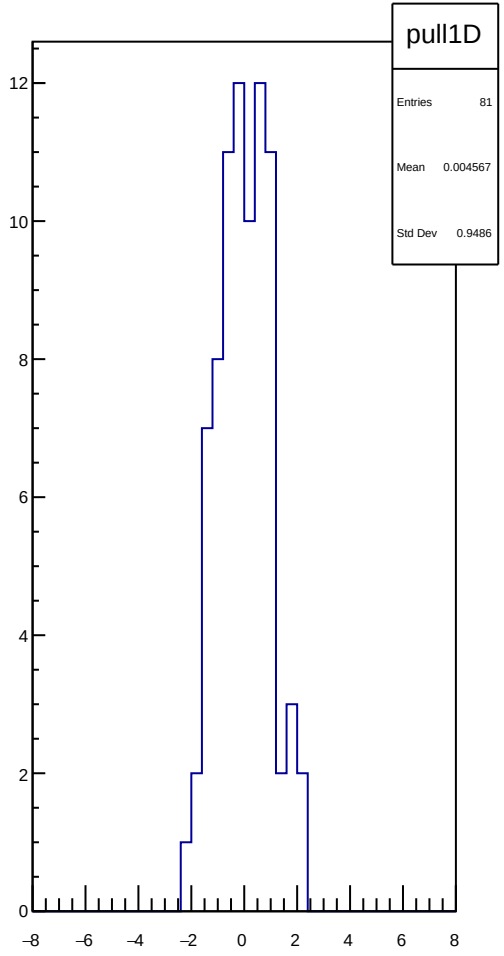

pull1D
Entries 81
Mean 0.1057
Std Dev 1.136

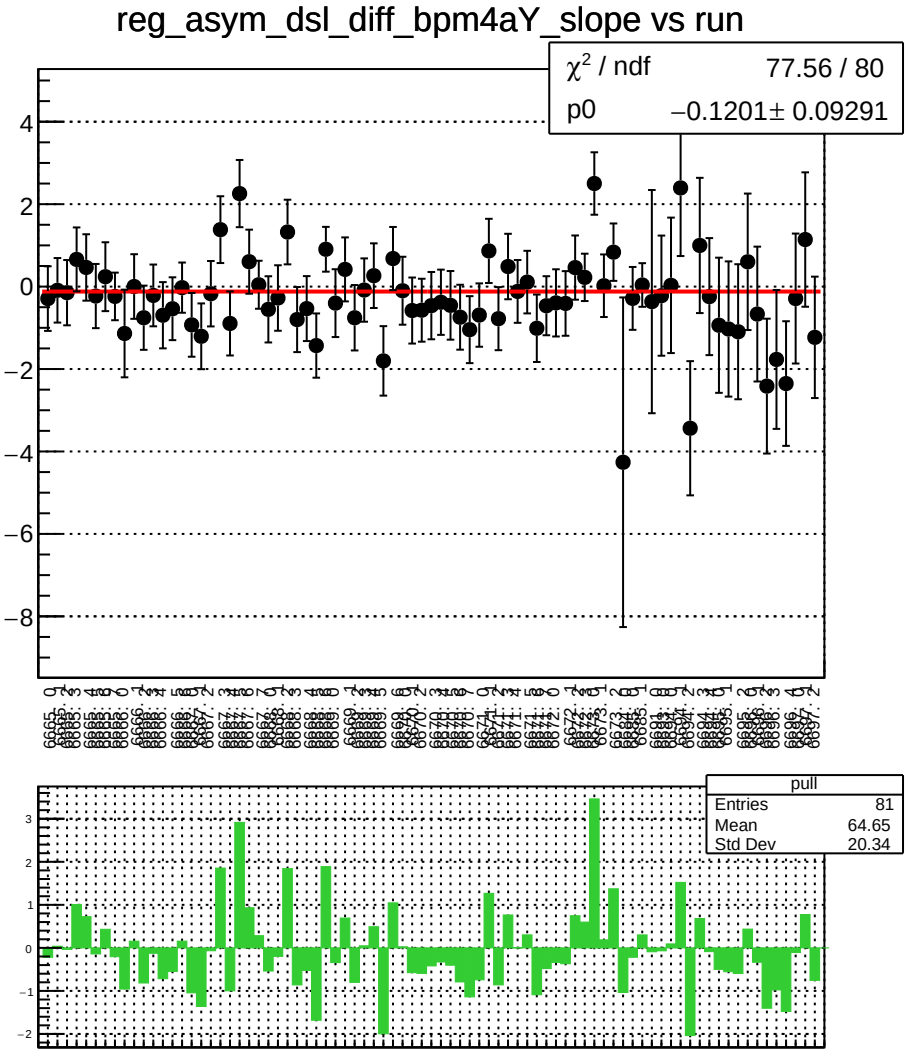

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 46.59 / 80
p0 −9.778 ± 2.113
pull
Entries 81
Mean 299.9
Std Dev 242.7

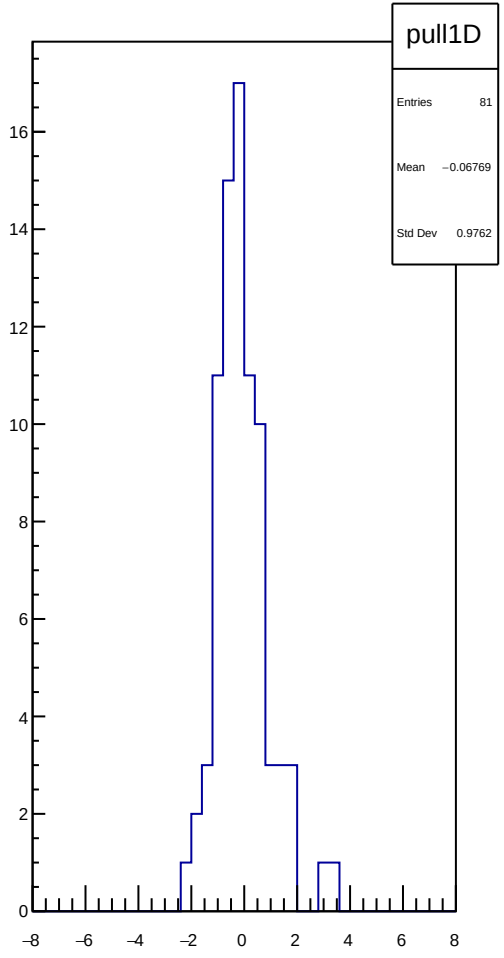

pull1D
Entries 81
Mean 0.01169
Std Dev 0.7583


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 1.333e+04 / 80
p0 −54.74 ± 0.08969
pull
Entries 81
Mean −163.3
Std Dev 209.1
pull1D
Entries 81
Mean −6.644
Std Dev 2.923

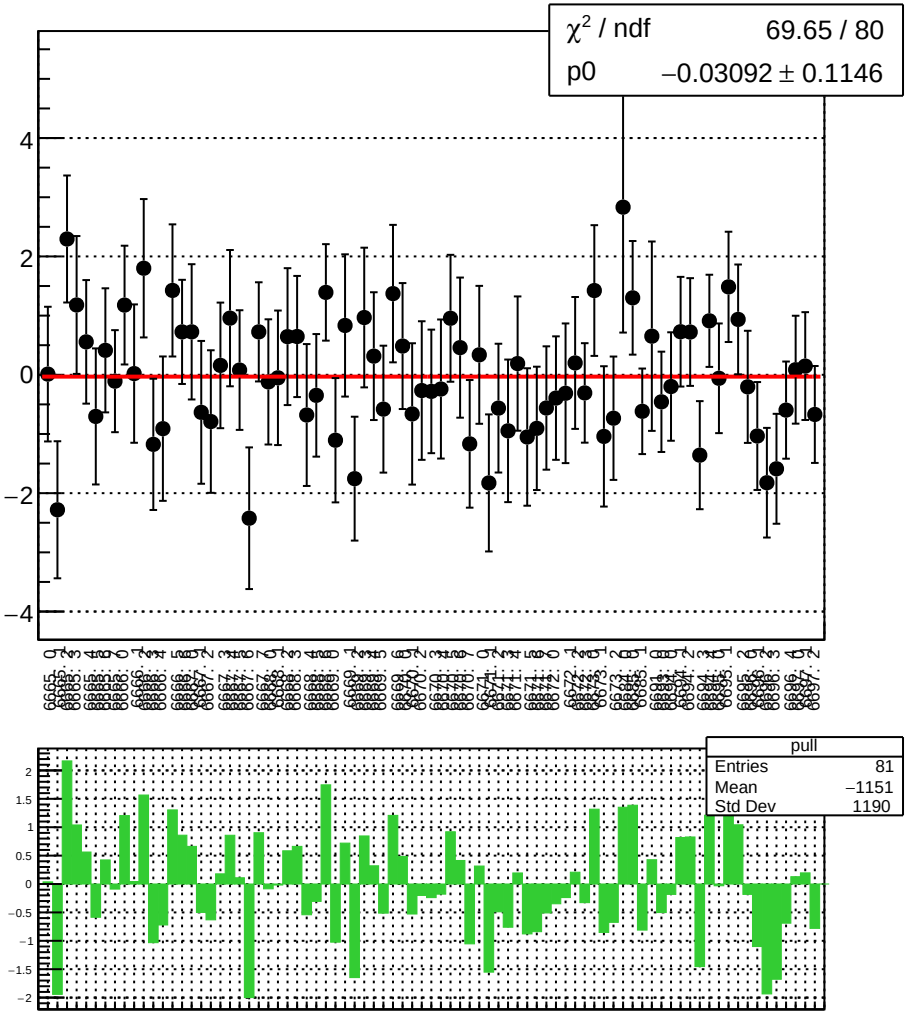

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 72.89 / 80
p0 0.0251 ± 0.1093
pull
Entries 81
Mean 934.5
Std Dev 894.1

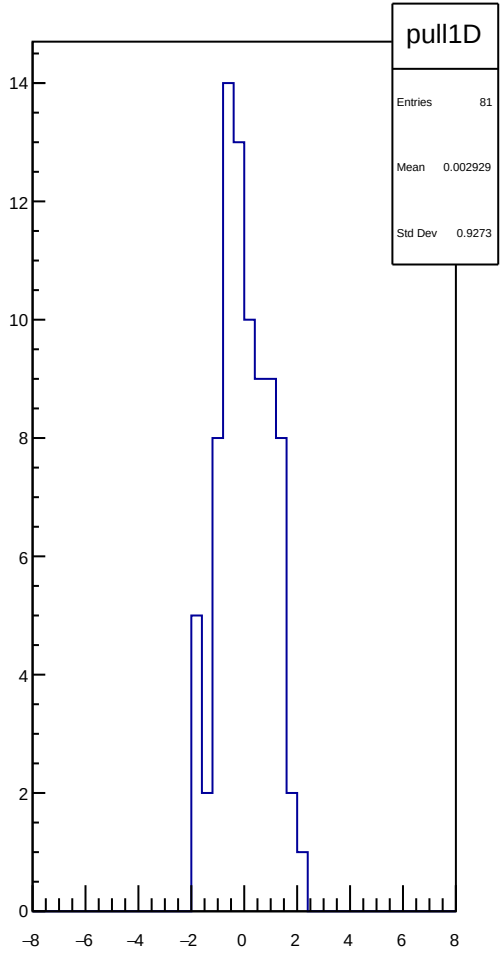

pull1D
Entries 81
Mean 0.004567
Std Dev 0.9486

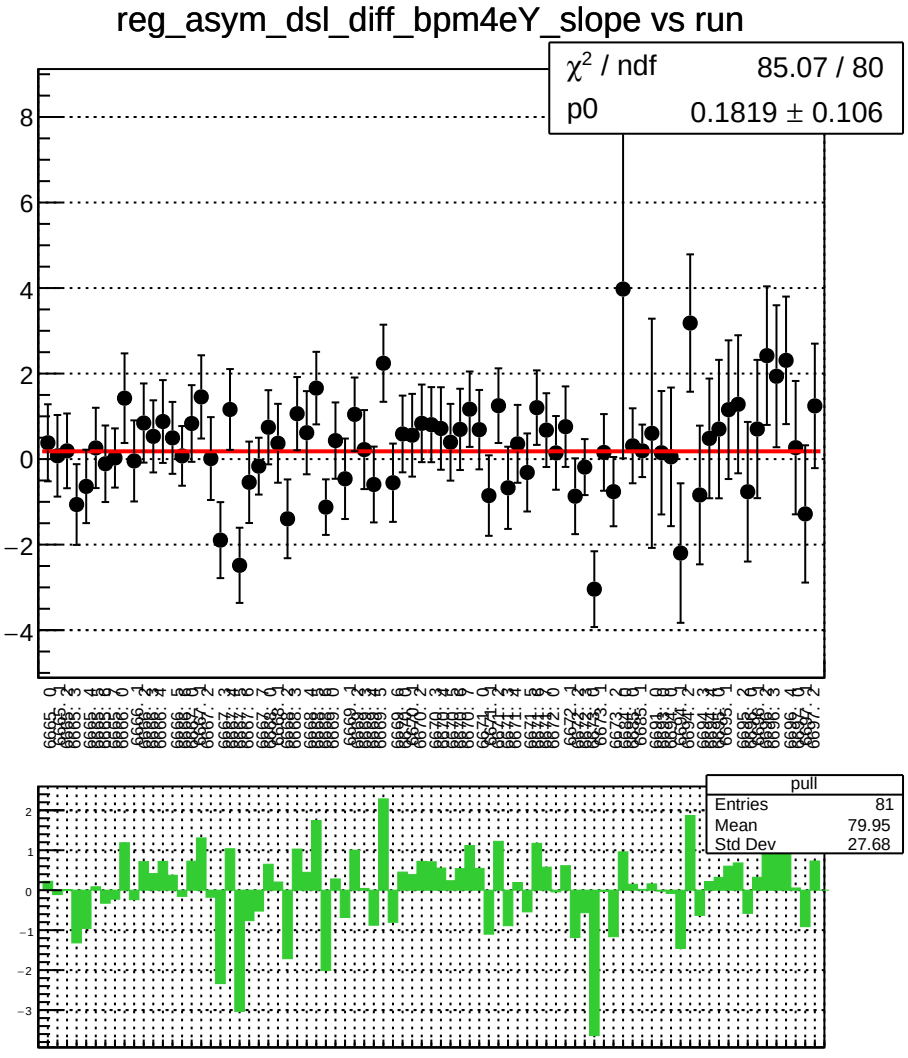

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 77.56 / 80
p0 −0.1201± 0.09291
pull
Entries 81
Mean 64.65
Std Dev 20.34

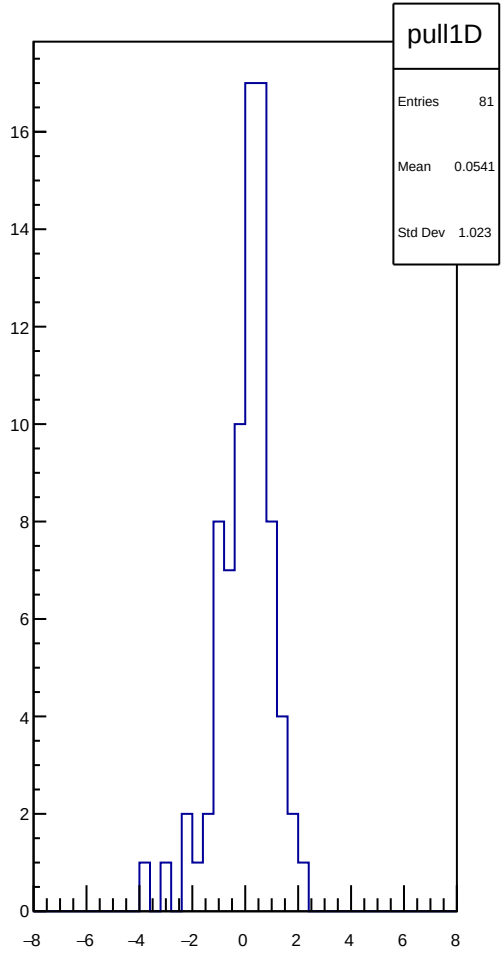

pull1D
Entries 81
Mean −0.06769
Std Dev 0.9762

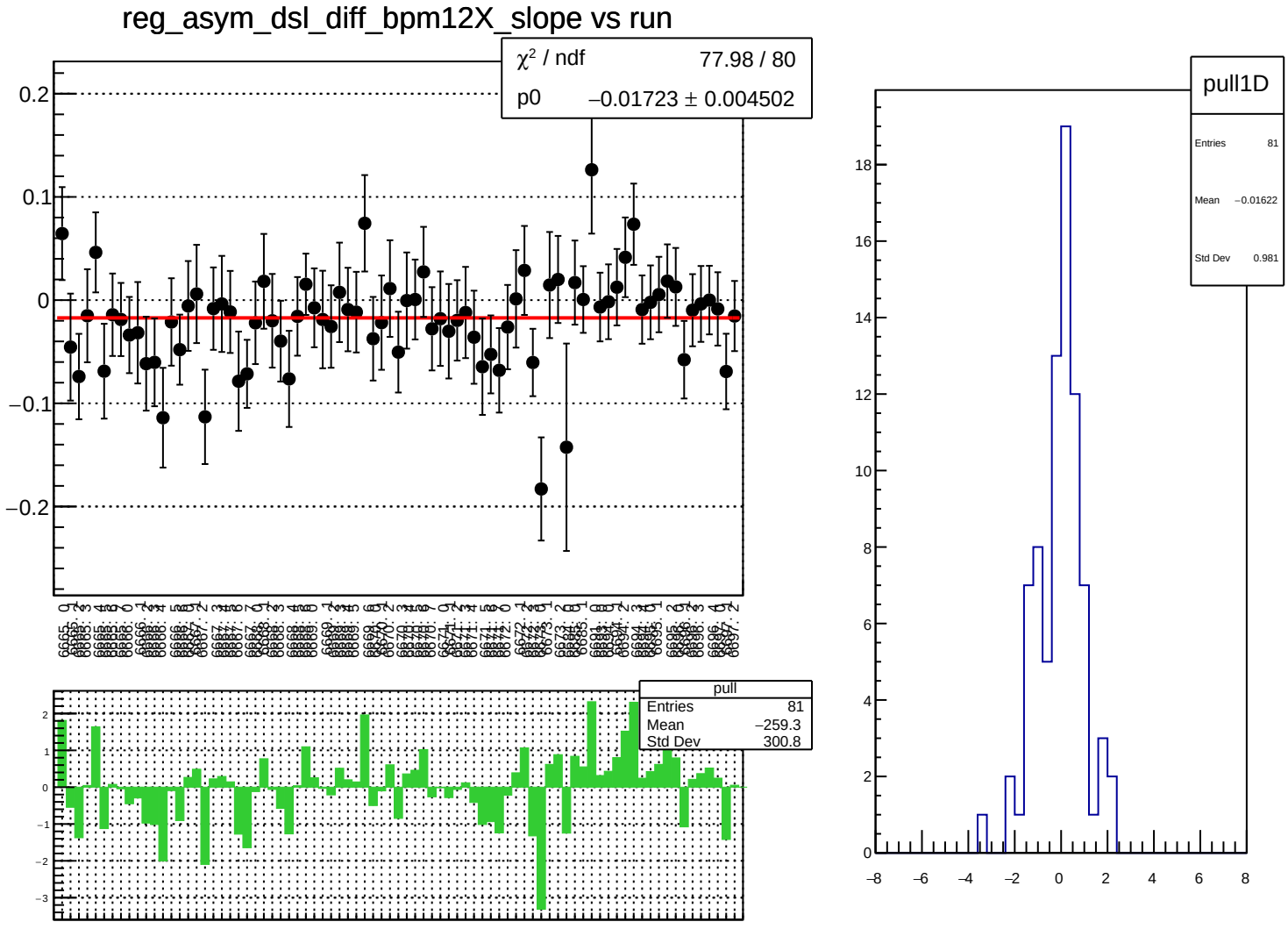
reg_asym_dsl_diff_bpm4eX_slope vs run

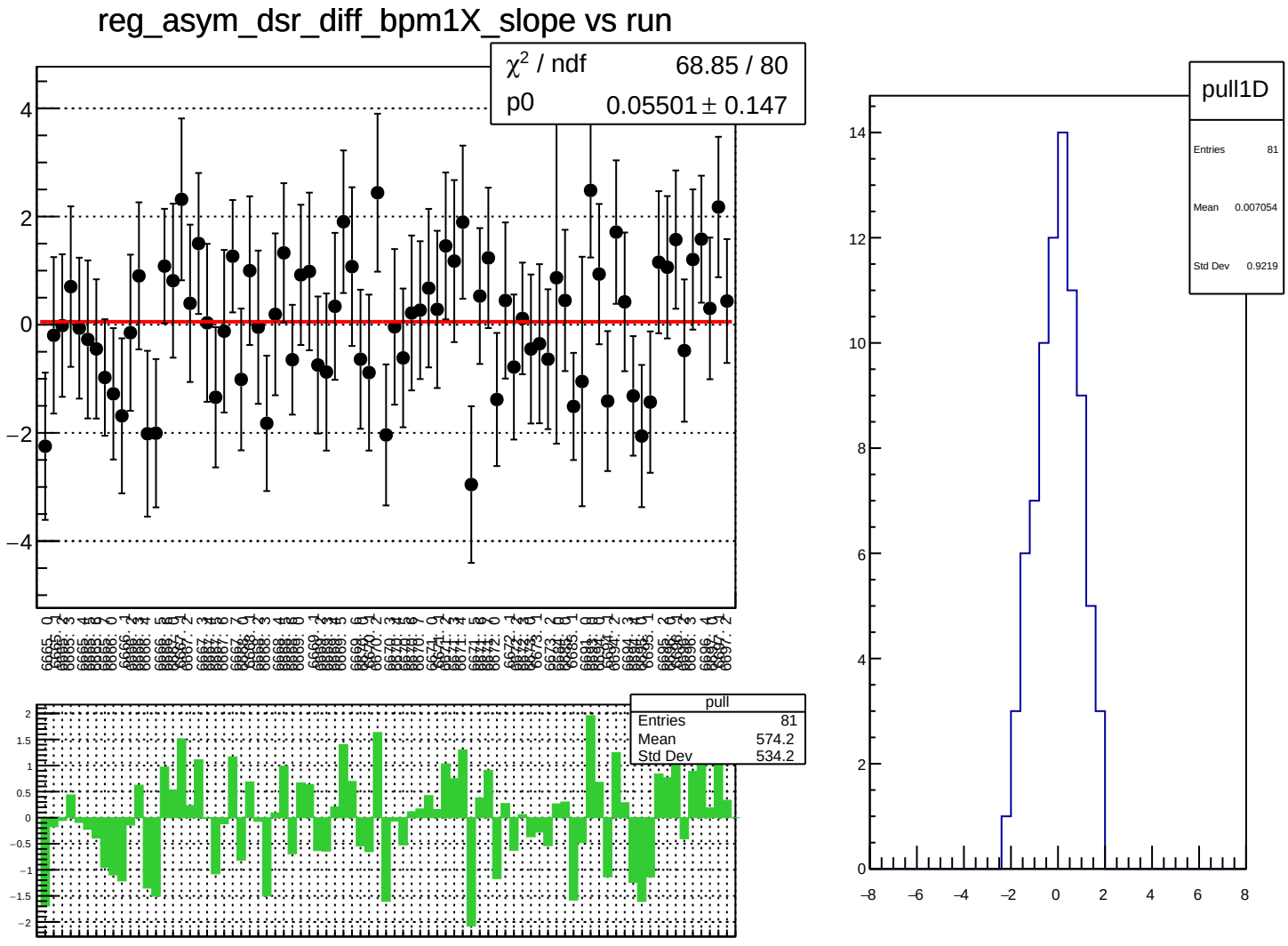


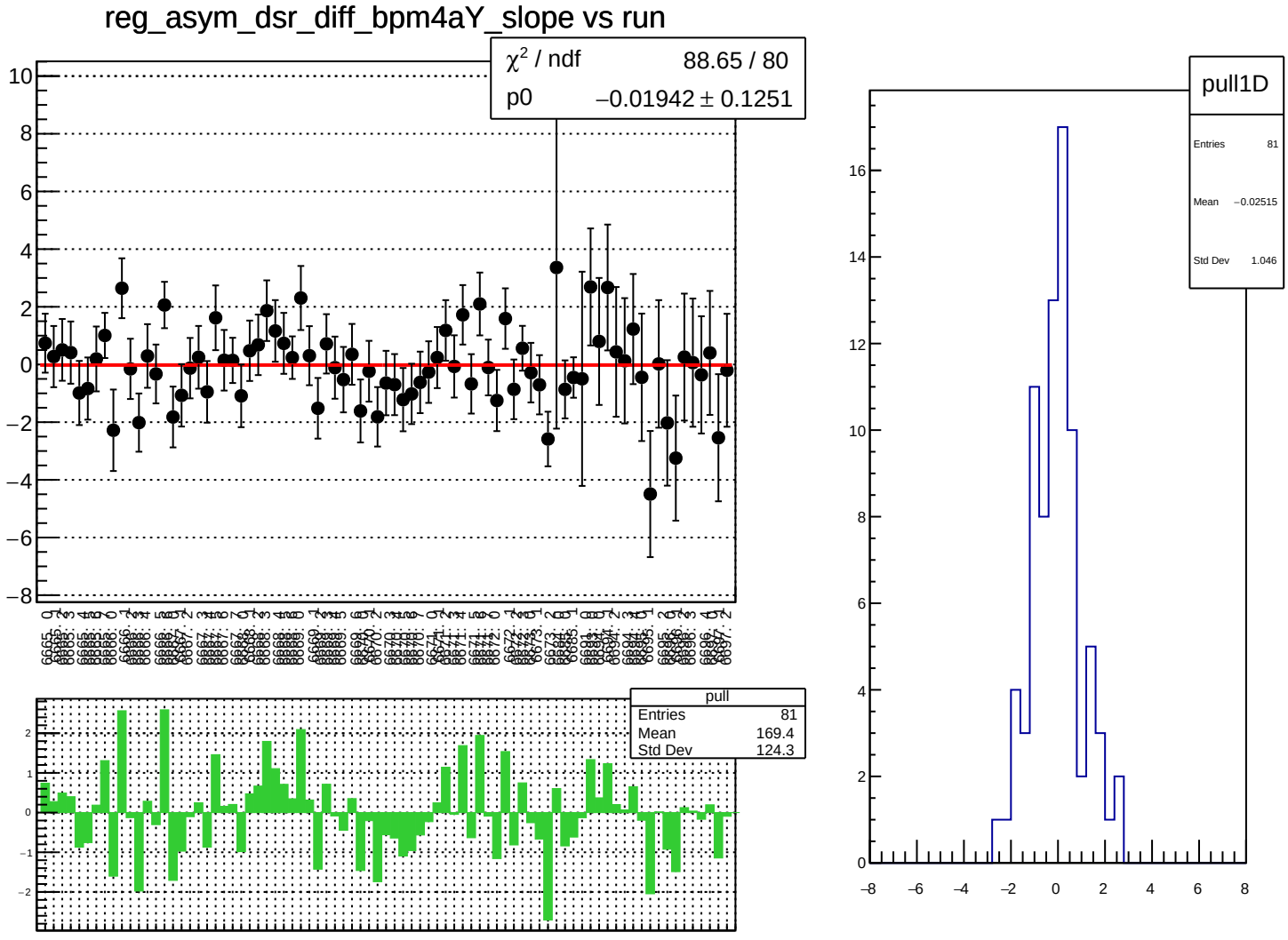


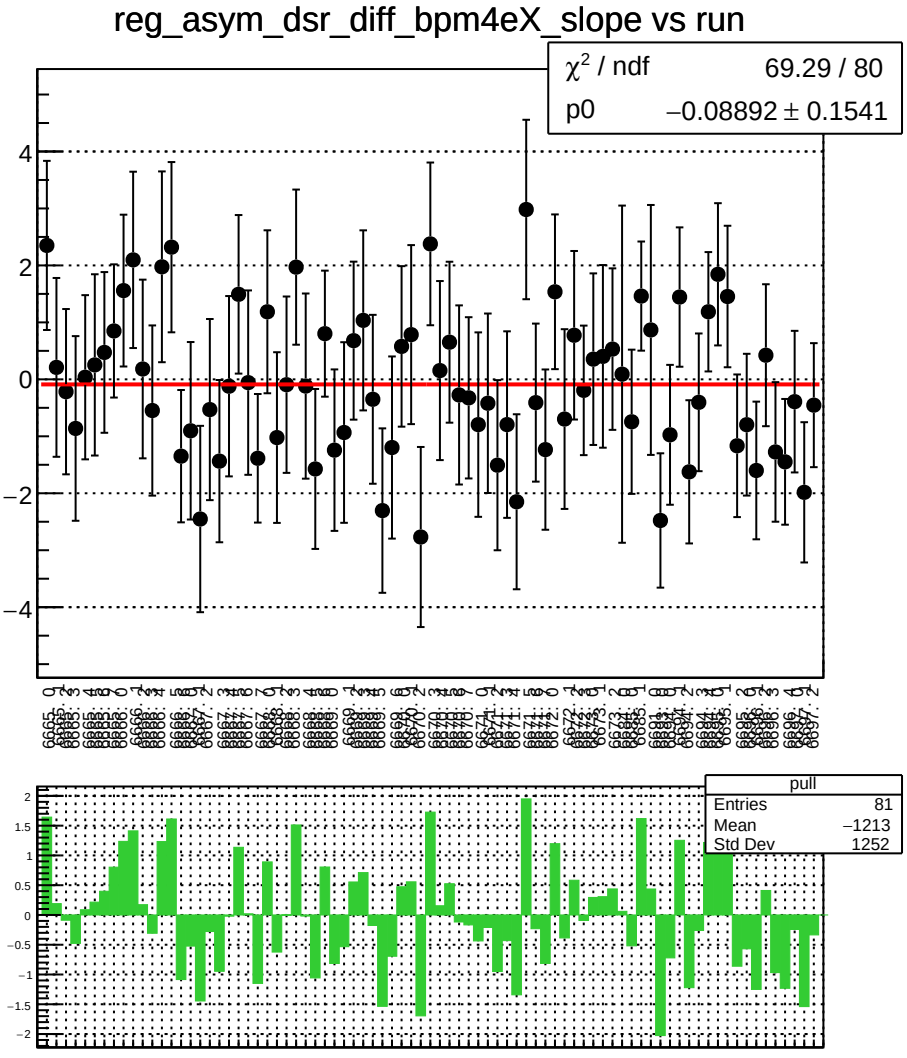

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 85.07 / 80
p0 0.1819 ± 0.106
pull
Entries 81
Mean 79.95
Std Dev 27.68

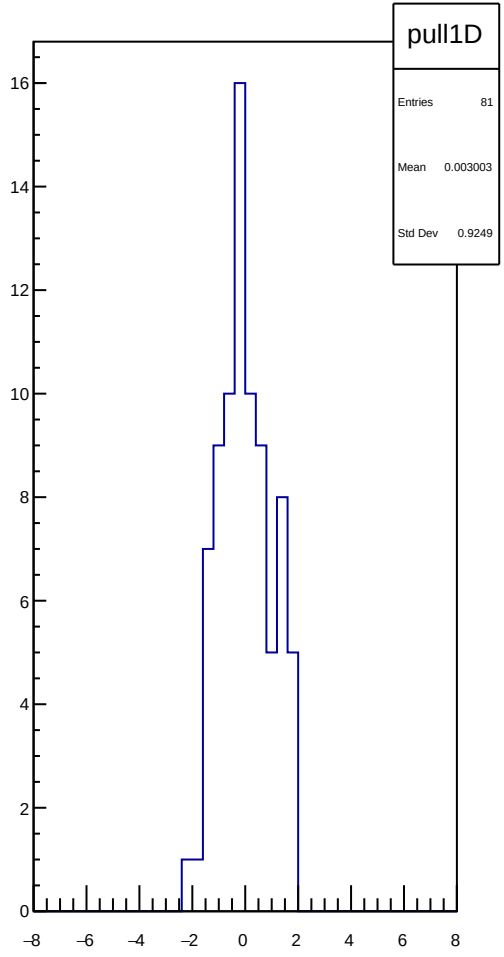

pull1D
Entries 81
Mean 0.0541
Std Dev 1.023

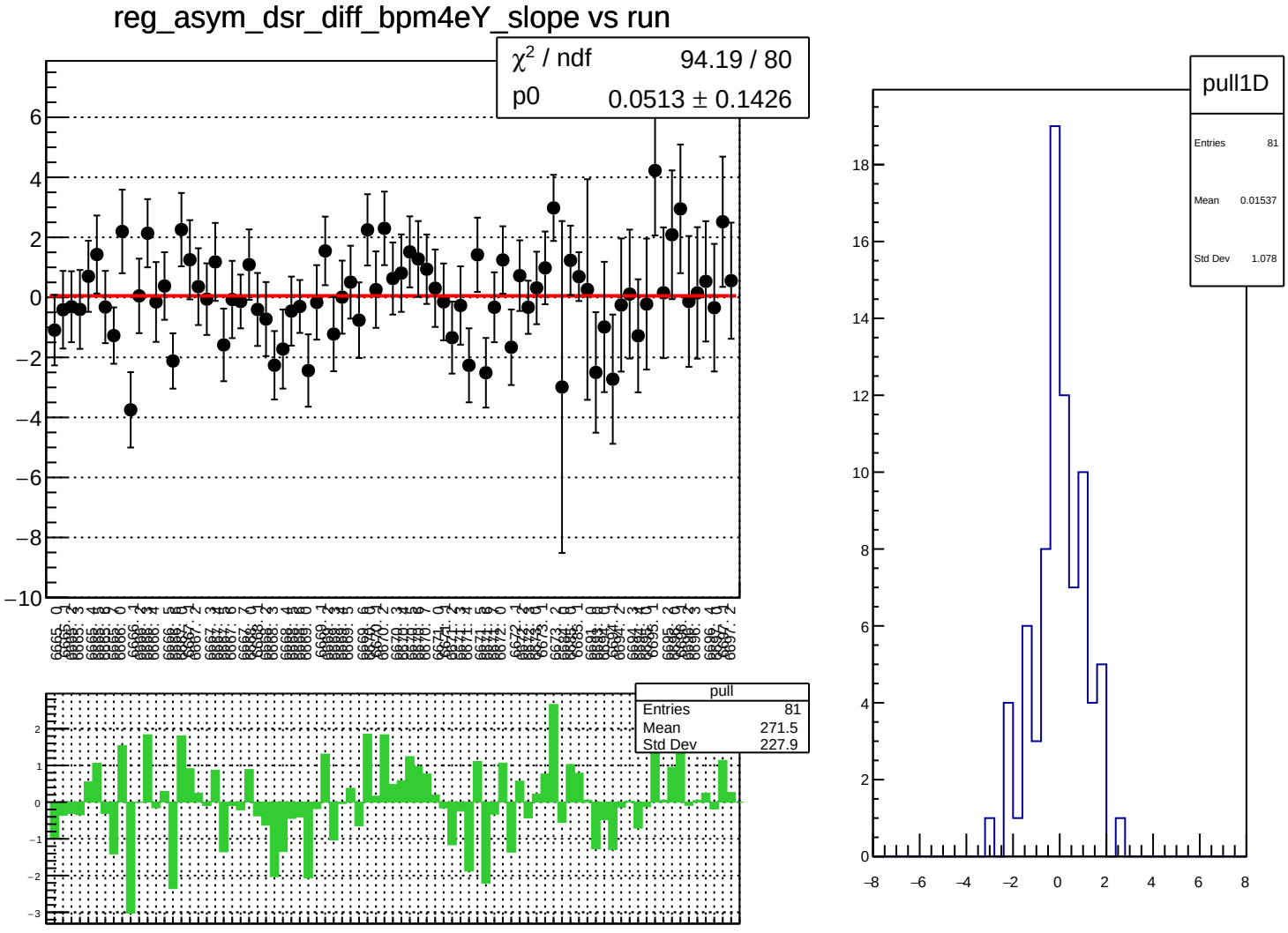

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 77.98 / 80
p0 −0.01723 ± 0.004502
pull
Entries 81
Mean −259.3
Std Dev 300.8
pull1D
Entries 81
Mean −0.01622
Std Dev 0.981

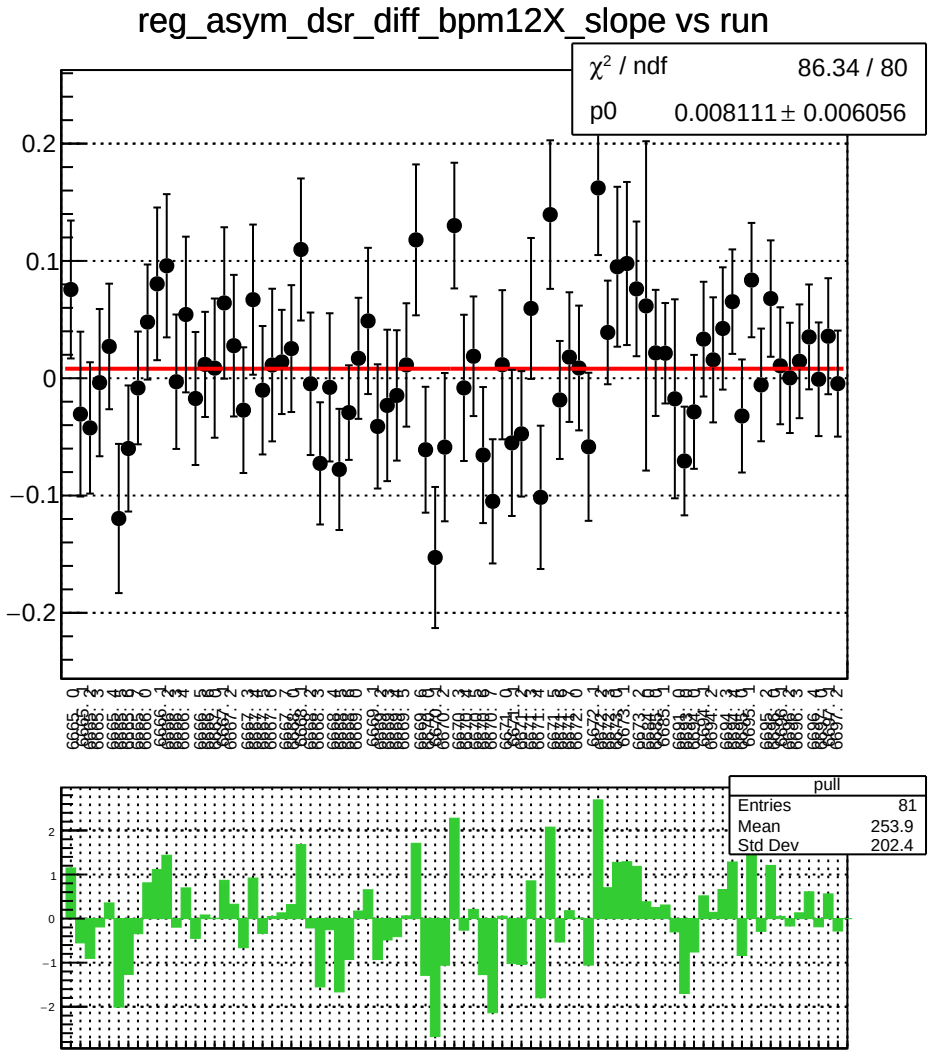

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 68.85 / 80
p0 0.05501 ± 0.147
pull
Entries 81
Mean 574.2
Std Dev 534.2
pull1D
Entries 81
Mean 0.007054
Std Dev 0.9219

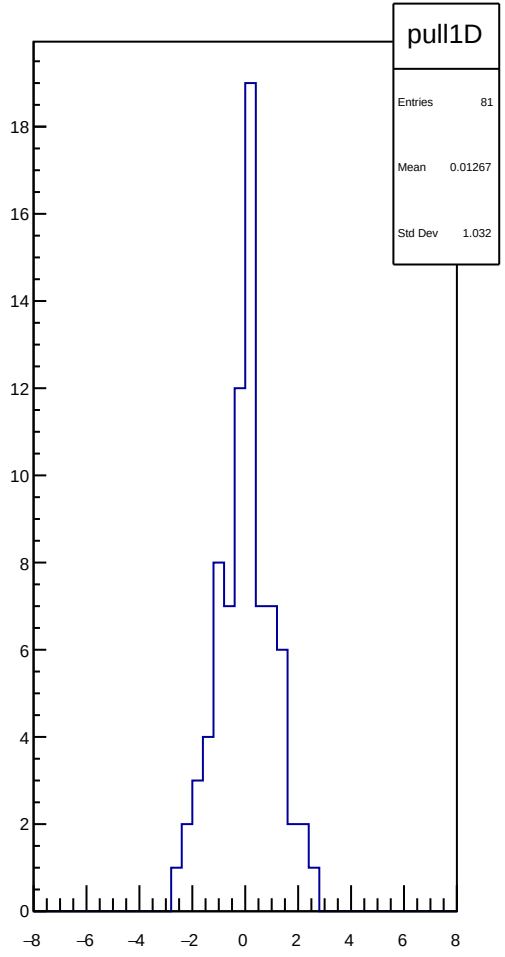

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 88.65 / 80
p0 −0.01942 ± 0.1251
pull
Entries 81
Mean 169.4
Std Dev 124.3
pull1D
Entries 81
Mean −0.02515
Std Dev 1.046

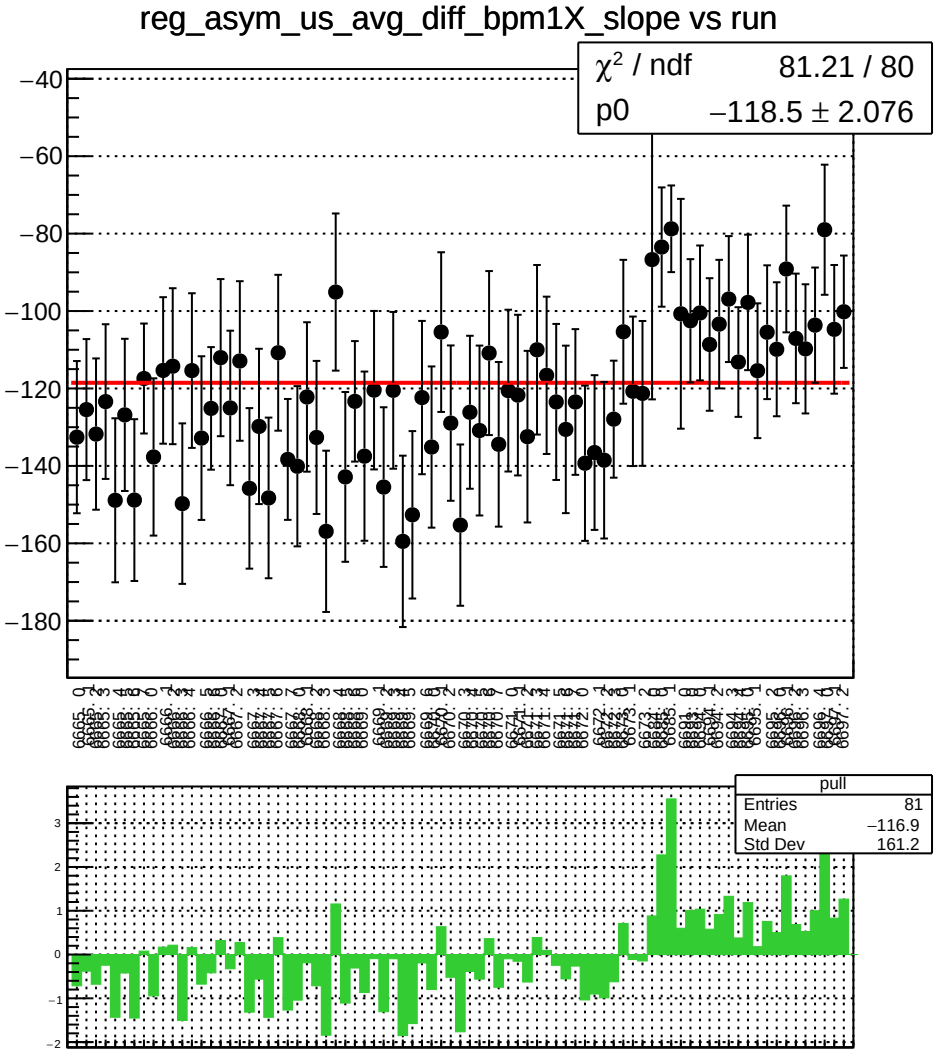

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 69.29 / 80
p0 −0.08892 ± 0.1541
pull
Entries 81
Mean −1213
Std Dev 1252

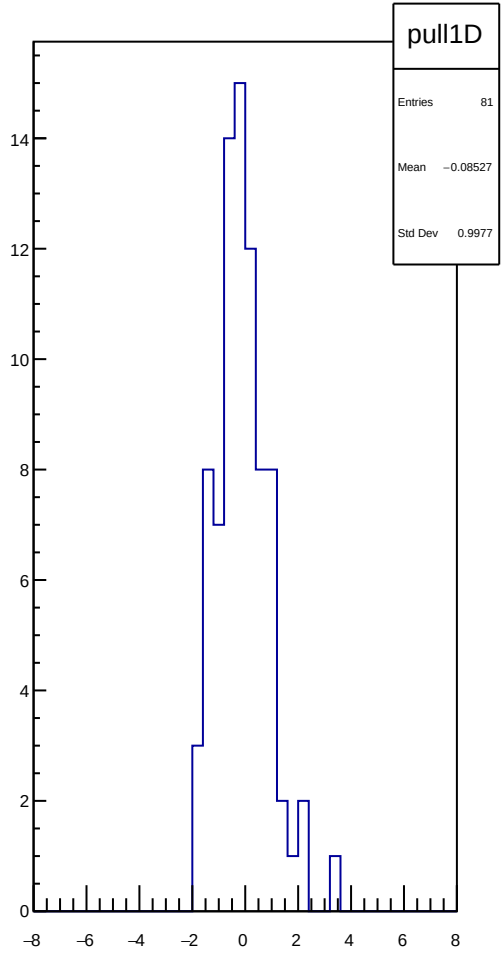

pull1D
Entries 81
Mean 0.003003
Std Dev 0.9249

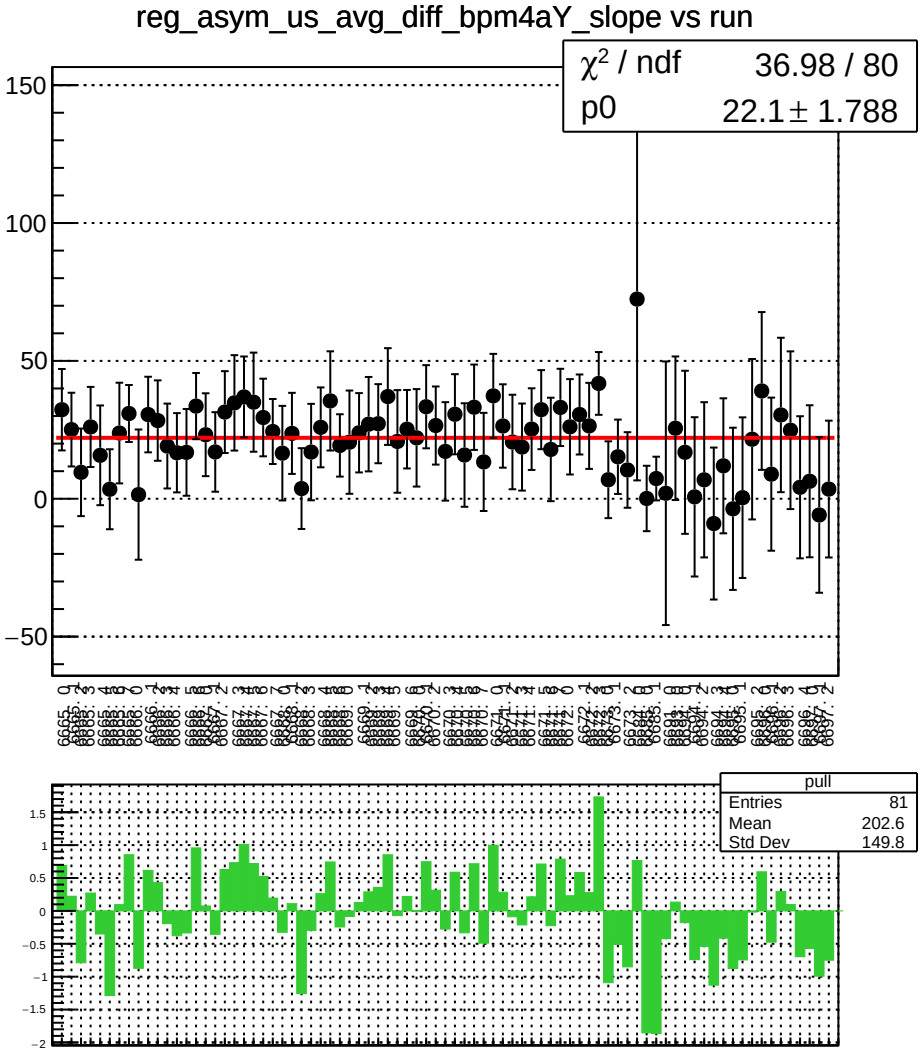

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 94.19 / 80
p0 0.0513 ± 0.1426
pull
Entries 81
Mean 271.5
Std Dev 227.9
pull1D
Entries 81
Mean 0.01537
Std Dev 1.078

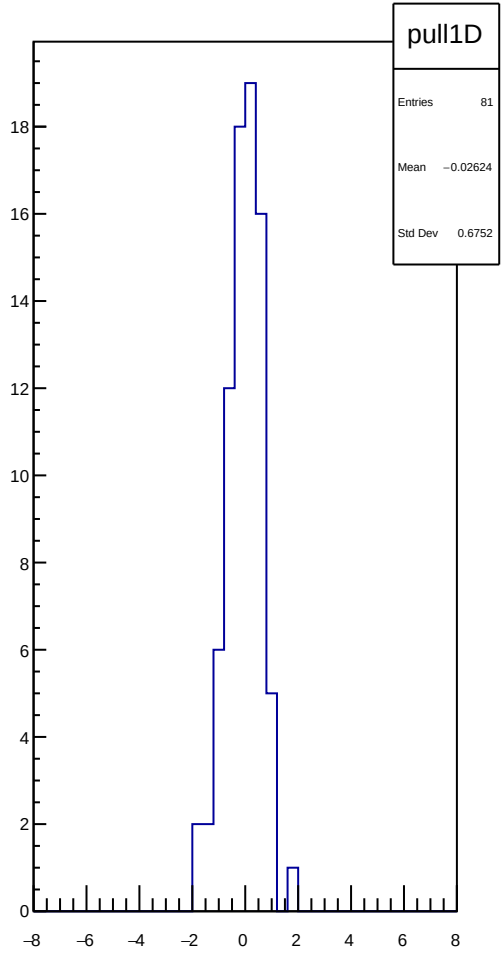

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 86.34 / 80
p0 0.008111 ± 0.006056
pull
Entries 81
Mean 253.9
Std Dev 202.4

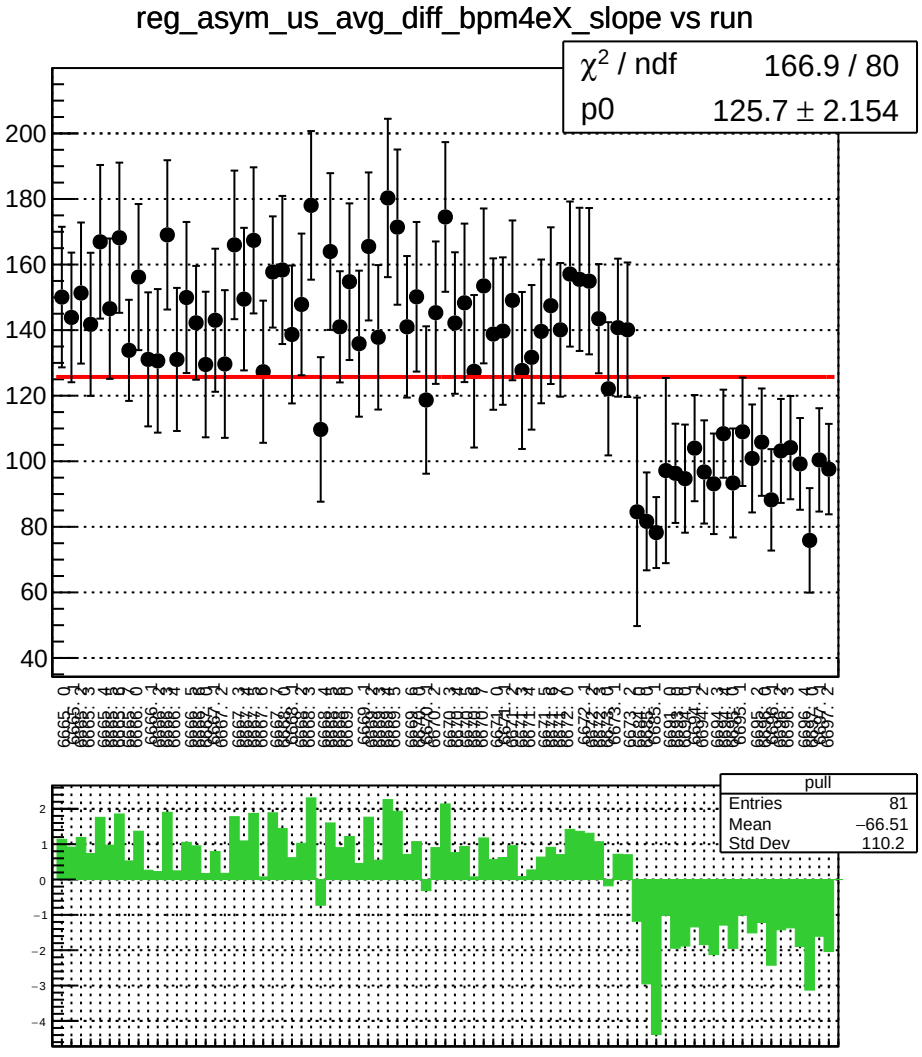

pull1D
Entries 81
Mean 0.01267
Std Dev 1.032

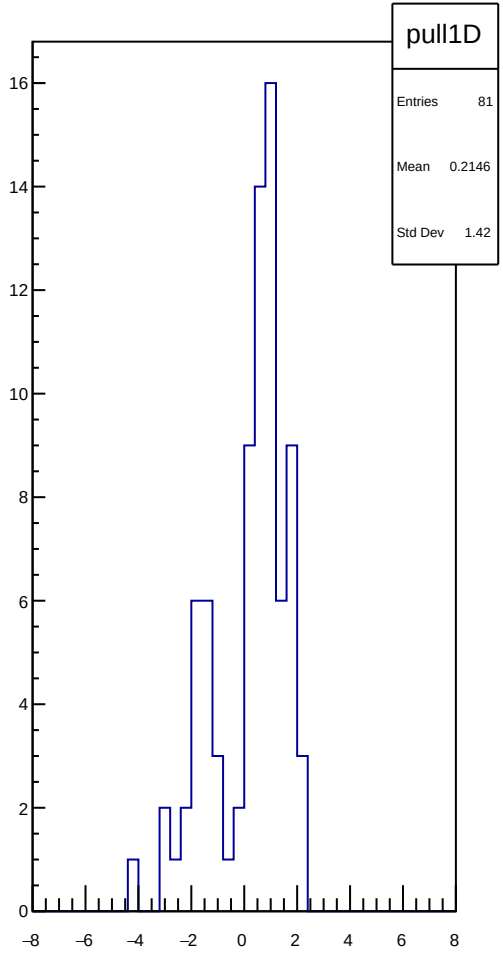

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 81.21 / 80
p0 −118.5 ± 2.076
pull
Entries 81
Mean −116.9
Std Dev 161.2

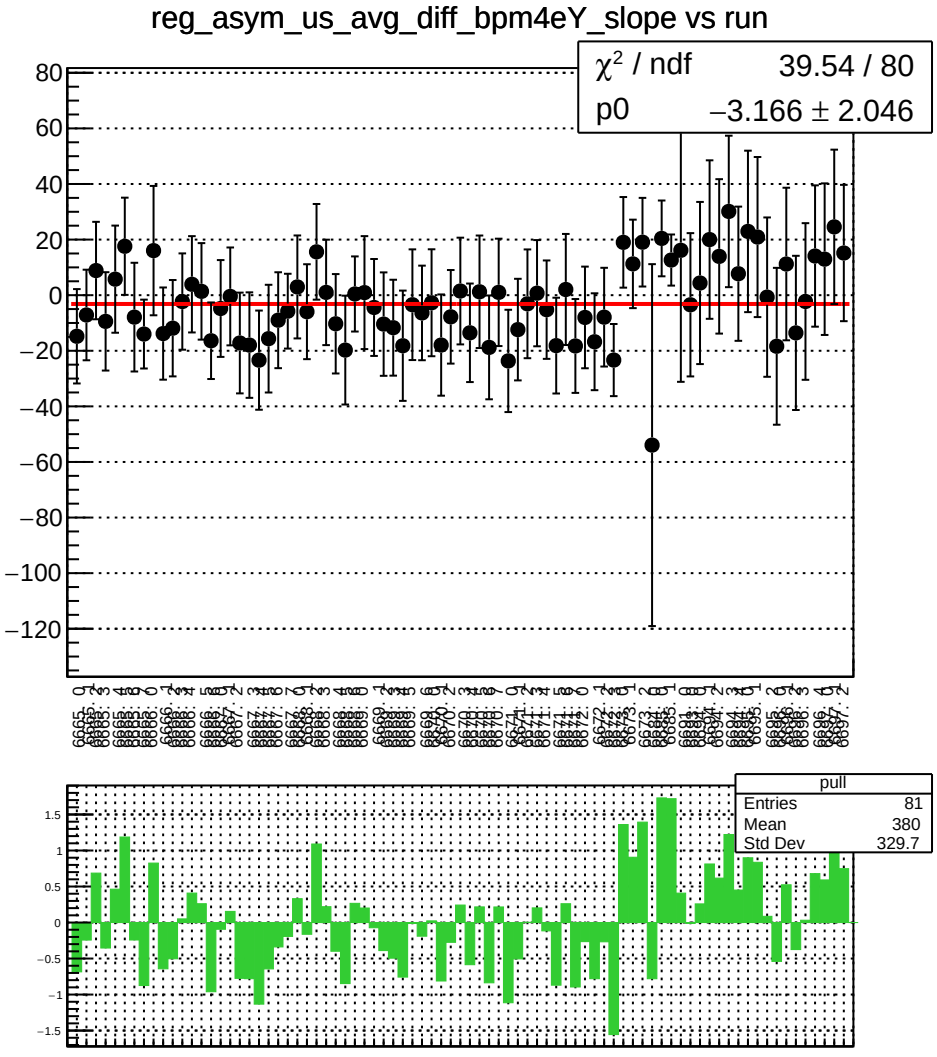

pull1D
Entries 81
Mean −0.08527
Std Dev 0.9977

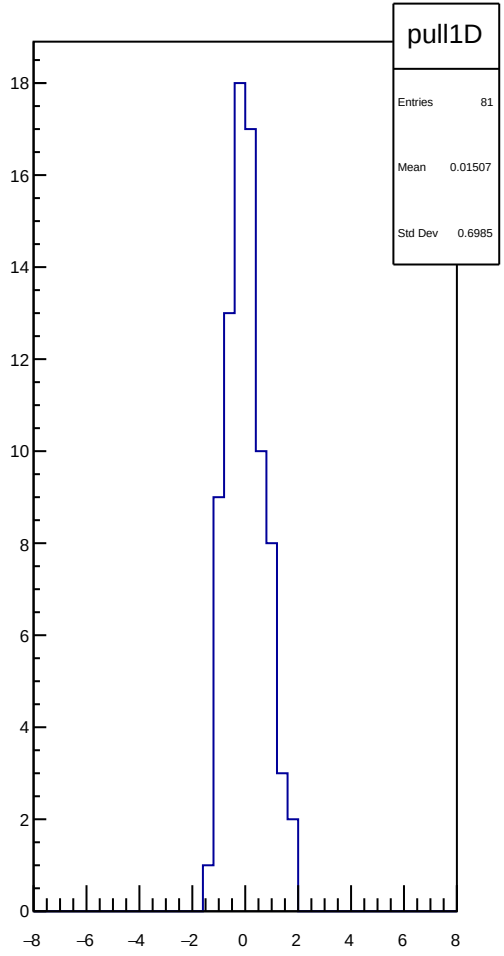

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.98 / 80
p0 22.1 ± 1.788
pull
Entries 81
Mean 202.6
Std Dev 149.8

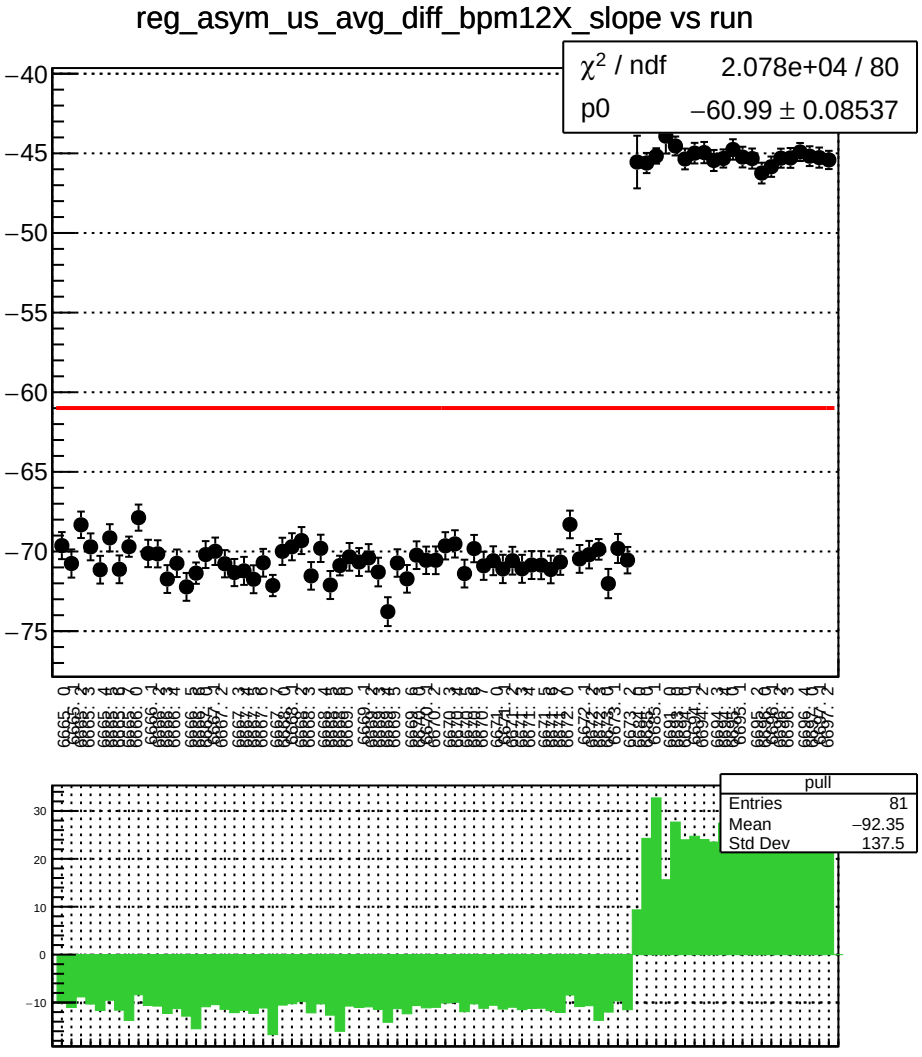

pull1D
Entries 81
Mean −0.02624
Std Dev 0.6752

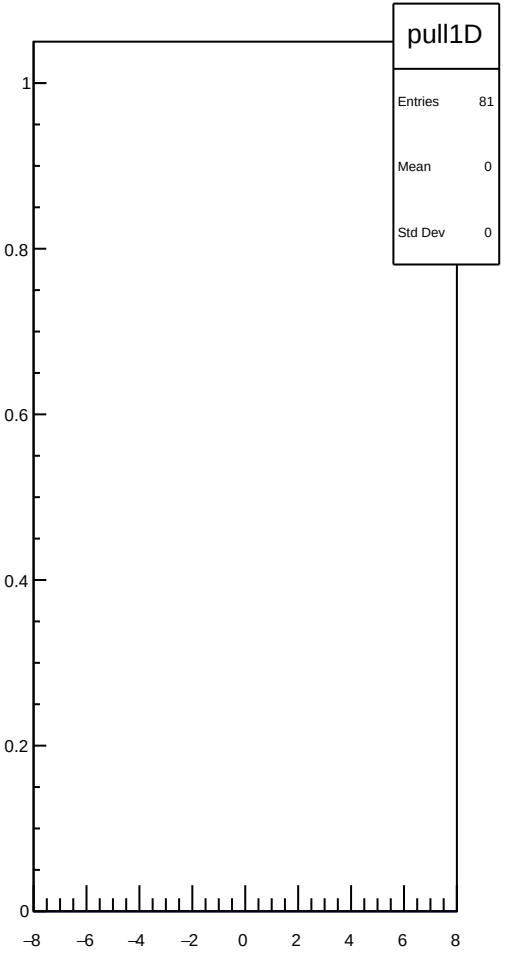

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.9 / 80
p0 125.7 ± 2.154
pull
Entries 81
Mean −66.51
Std Dev 110.2

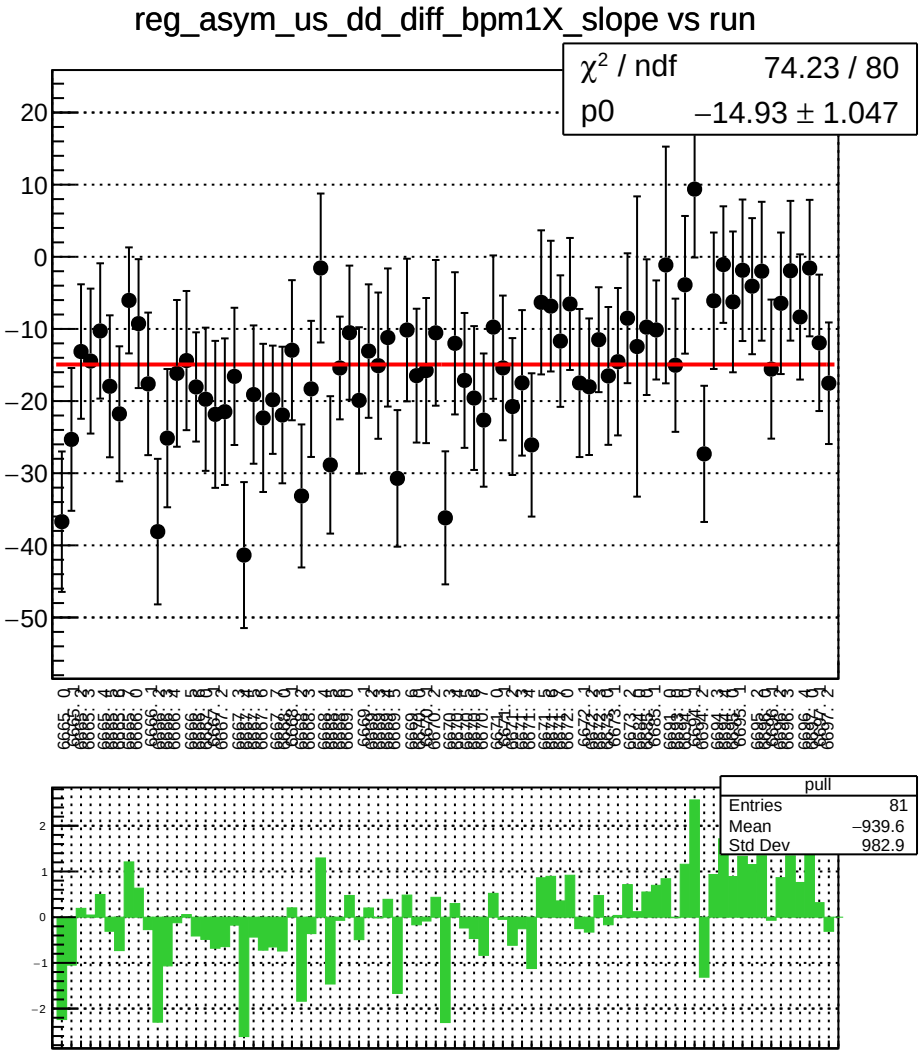

pull1D
Entries 81
Mean 0.2146
Std Dev 1.42

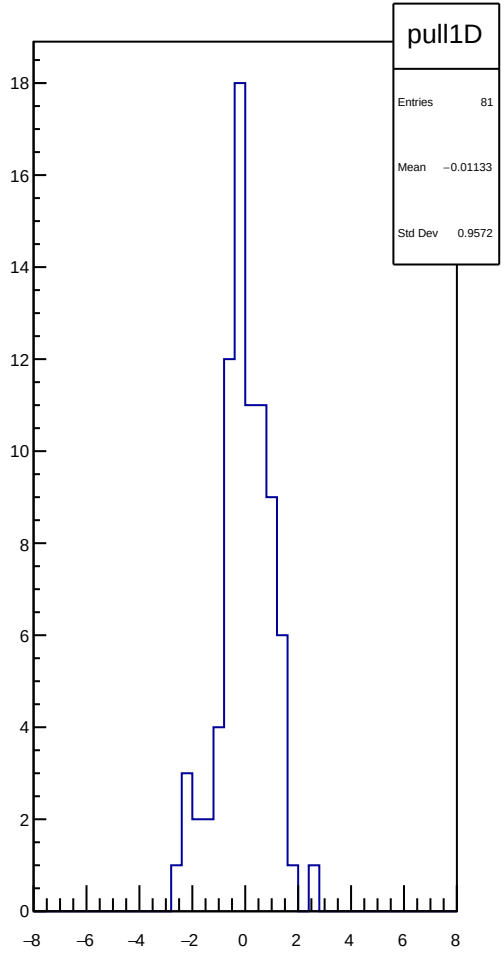

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.54 / 80
p0 −3.166 ± 2.046
pull
Entries 81
Mean 380
Std Dev 329.7

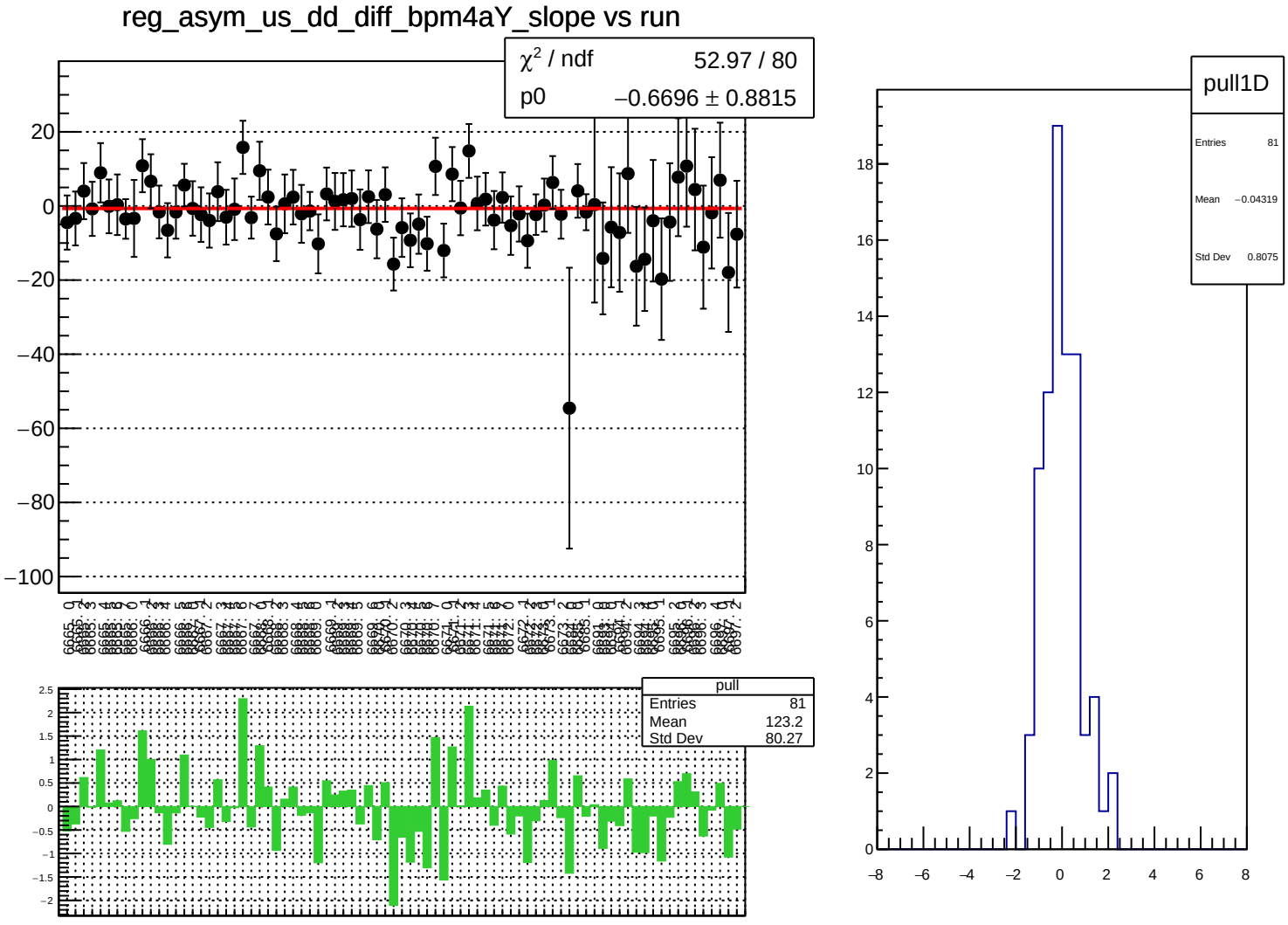

pull1D
Entries 81
Mean 0.01507
Std Dev 0.6985

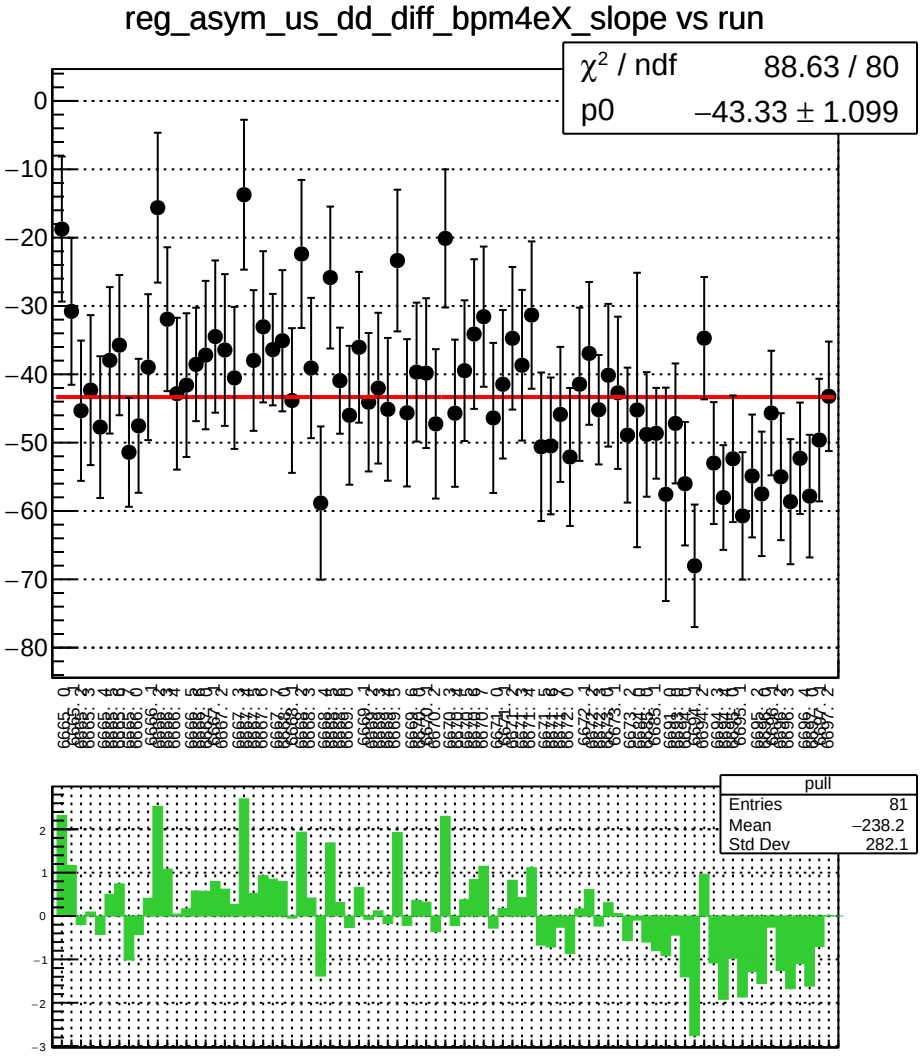

reg_asym_us_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.078e+04 / 80
p0 −60.99 ± 0.08537
pull
Entries 81
Mean −92.35
Std Dev 137.5

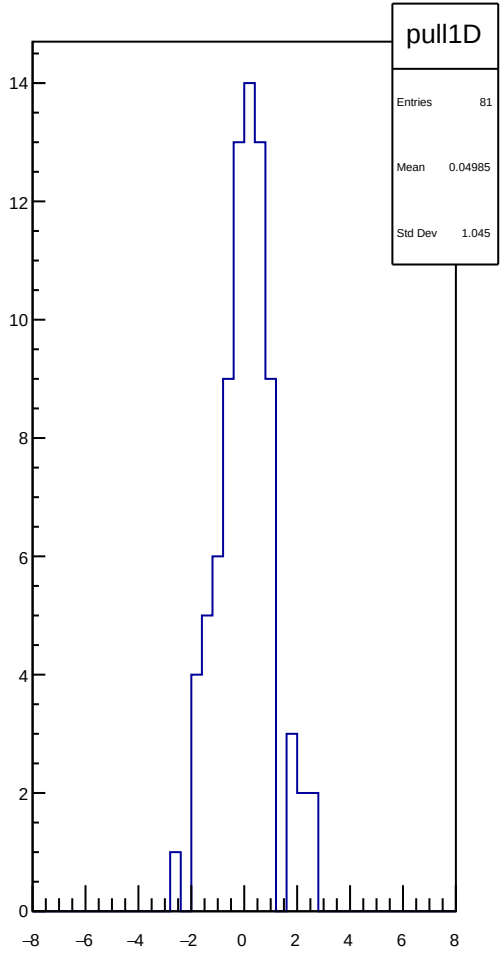

pull1D
Entries 81
Mean 0
Std Dev 0

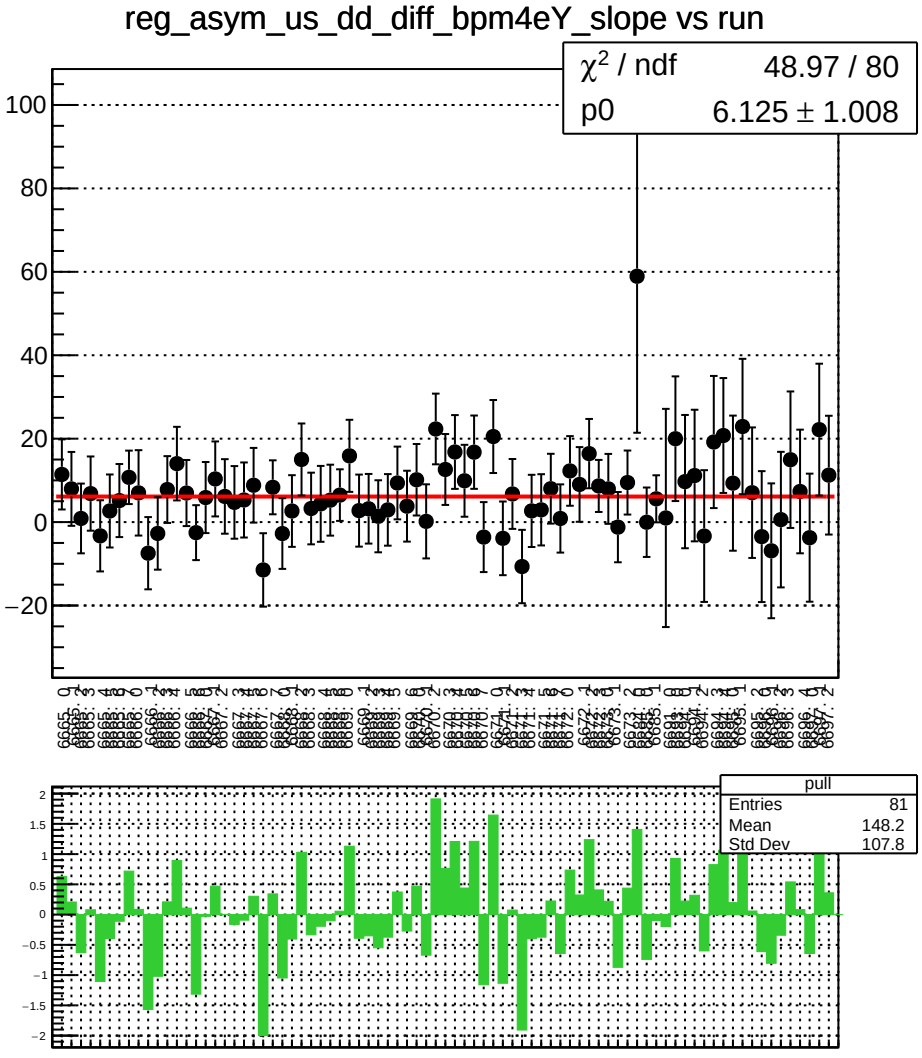

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 74.23 / 80
p0 −14.93 ± 1.047
pull
Entries 81
Mean −939.6
Std Dev 982.9

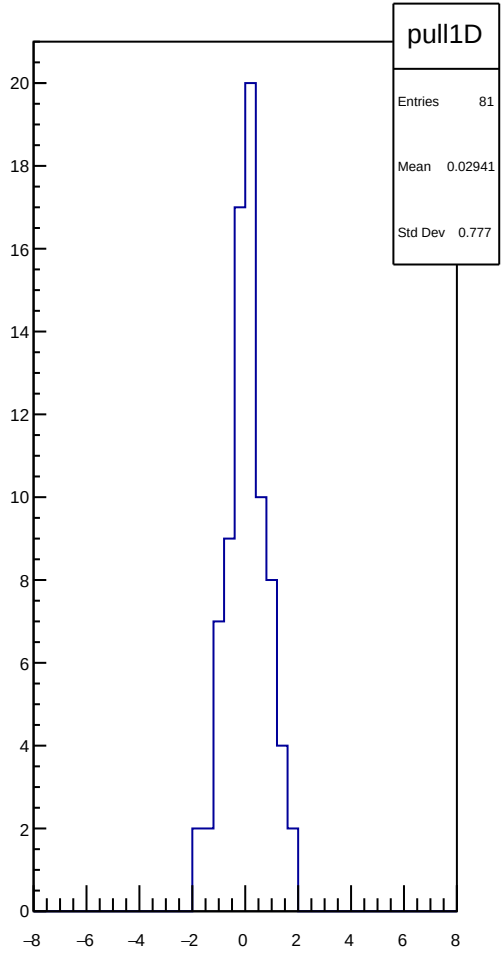

pull1D
Entries 81
Mean −0.01133
Std Dev 0.9572

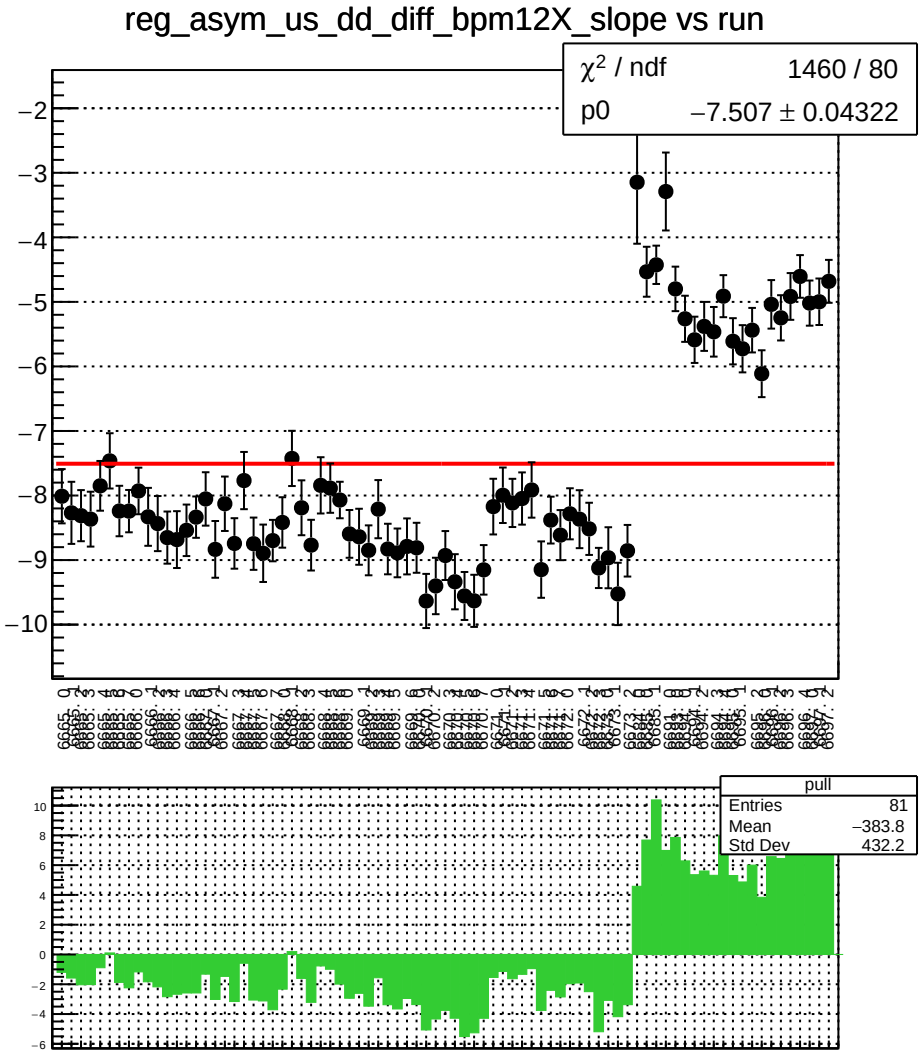

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 52.97 / 80
p0 −0.6696 ± 0.8815
pull
Entries 81
Mean 123.2
Std Dev 80.27
pull1D
Entries 81
Mean −0.04319
Std Dev 0.8075

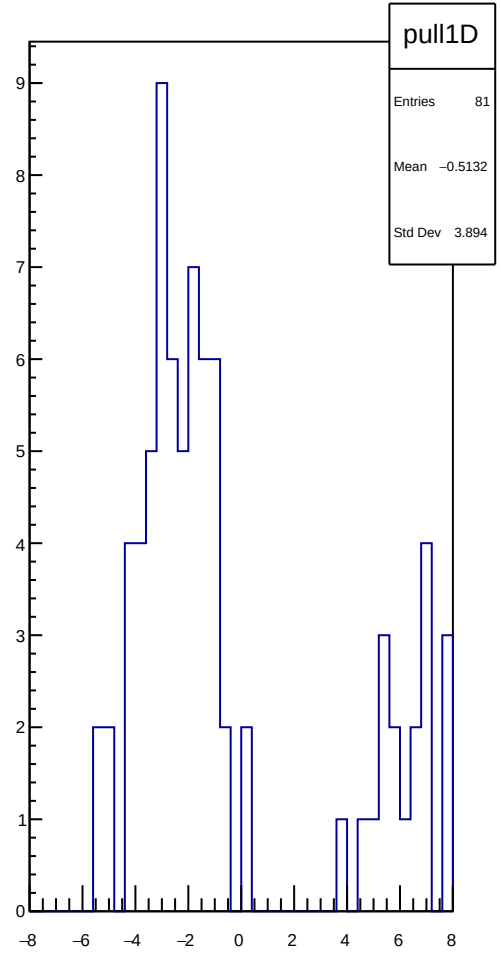

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.63 / 80
p0 −43.33 ± 1.099
pull
Entries 81
Mean −238.2
Std Dev 282.1

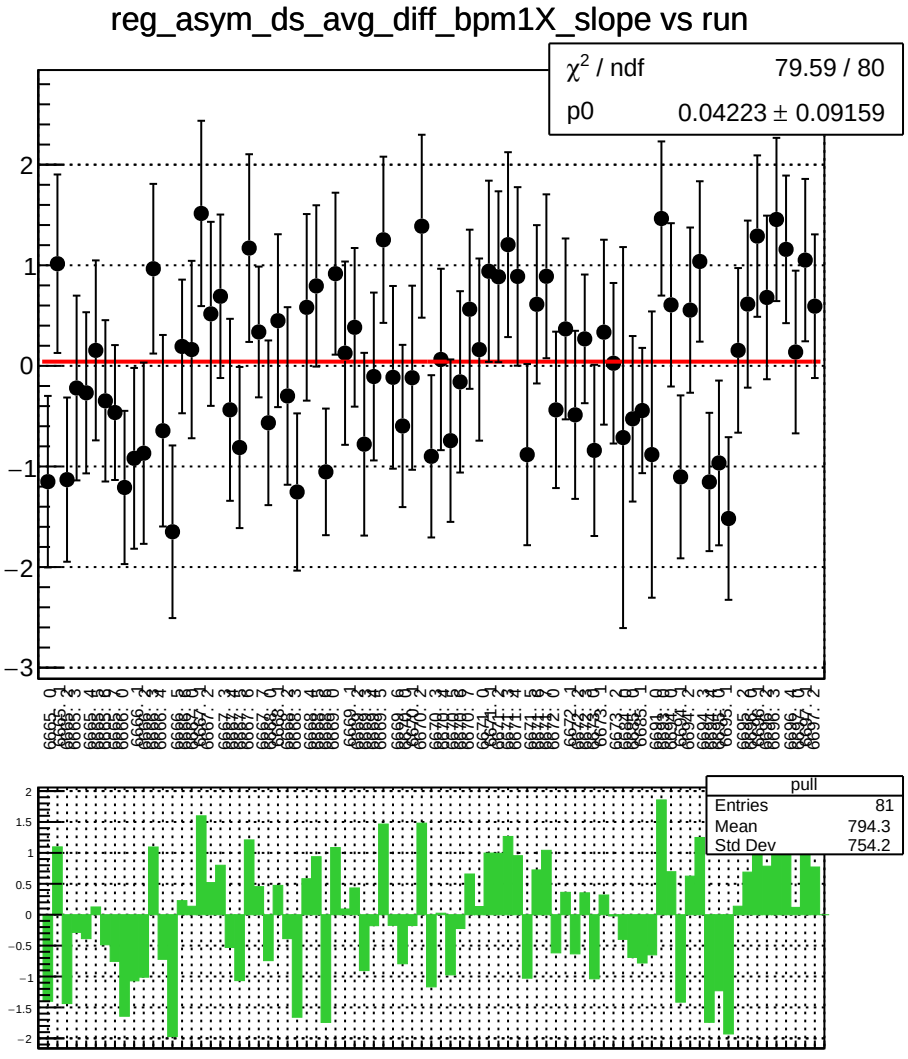

pull1D
Entries 81
Mean 0.04985
Std Dev 1.045

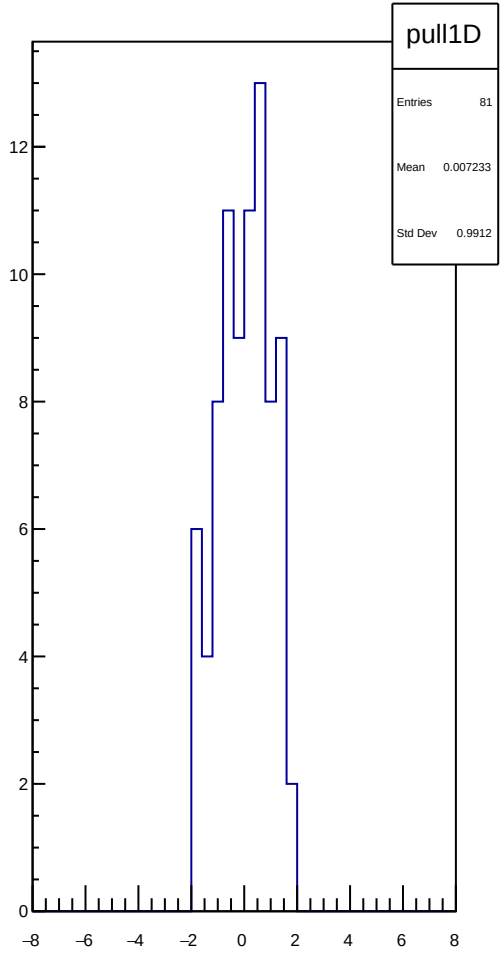

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 48.97 / 80
p0 6.125 ± 1.008
pull
Entries 81
Mean 148.2
Std Dev 107.8

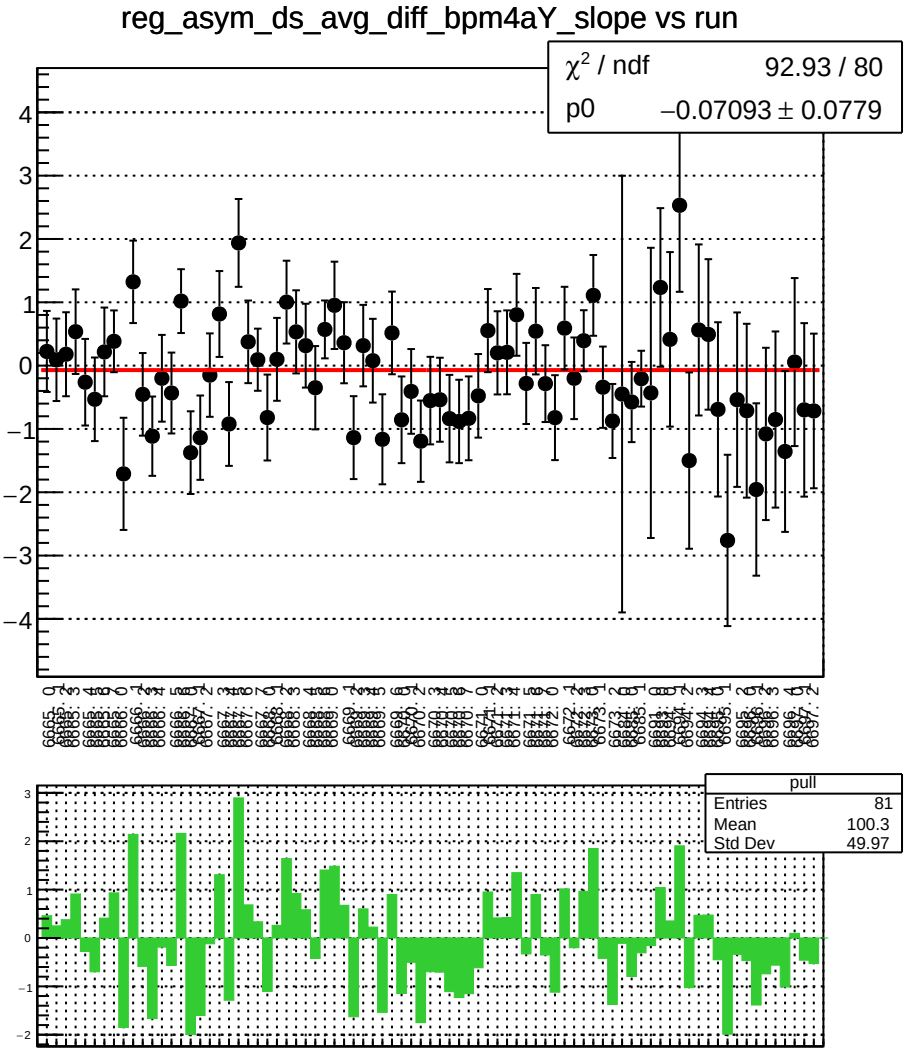

pull1D
Entries 81
Mean 0.02941
Std Dev 0.777

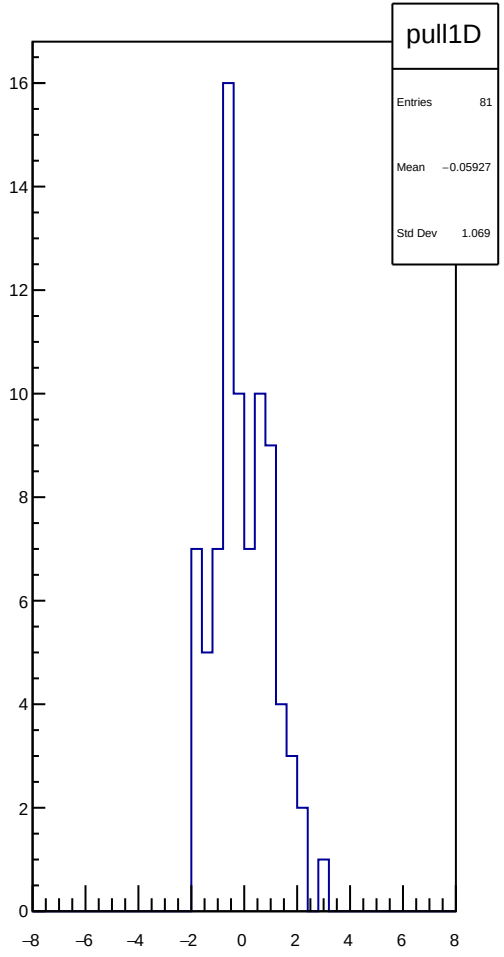

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1460 / 80
p0 −7.507 ± 0.04322
pull
Entries 81
Mean −383.8
Std Dev 432.2

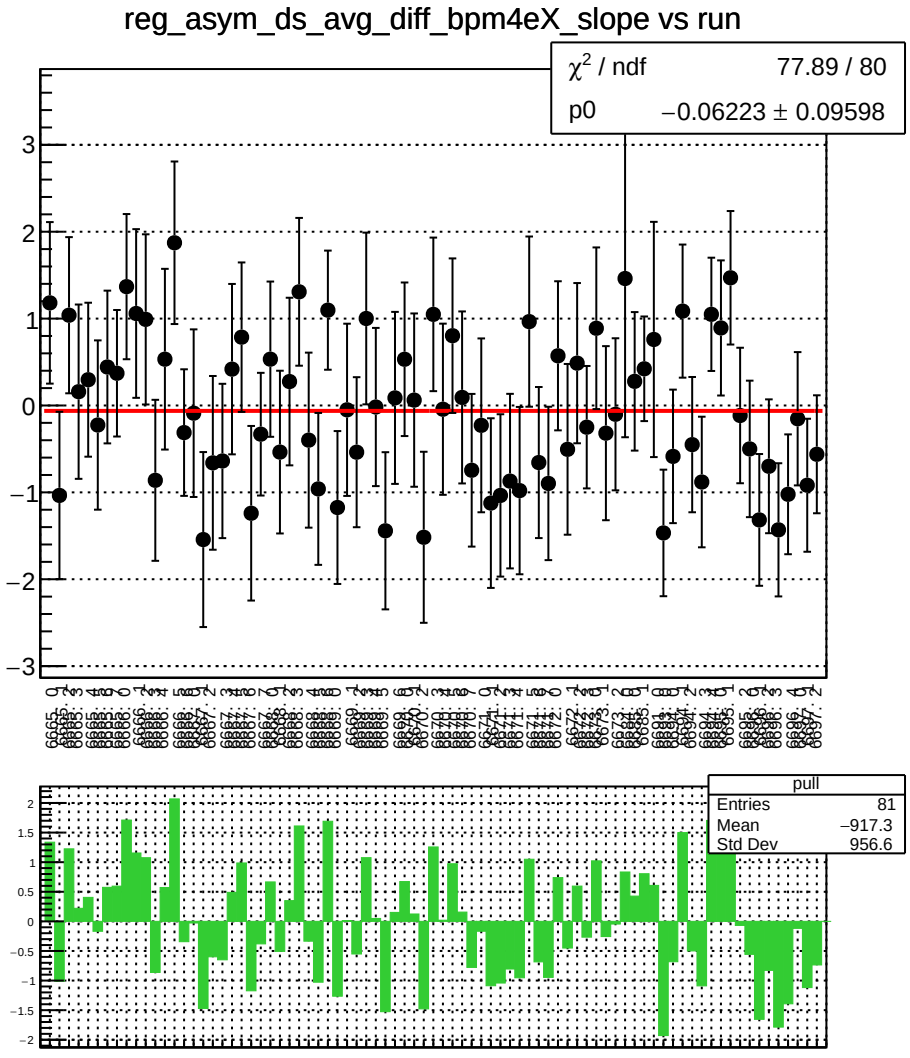

pull1D
Entries 81
Mean −0.5132
Std Dev 3.894

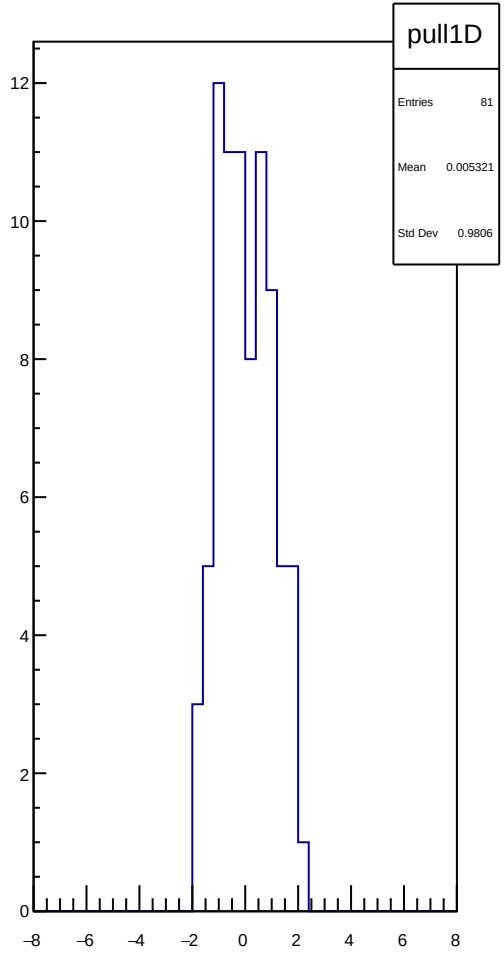

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 79.59 / 80
p0 0.04223 ± 0.09159
pull
Entries 81
Mean 794.3
Std Dev 754.2

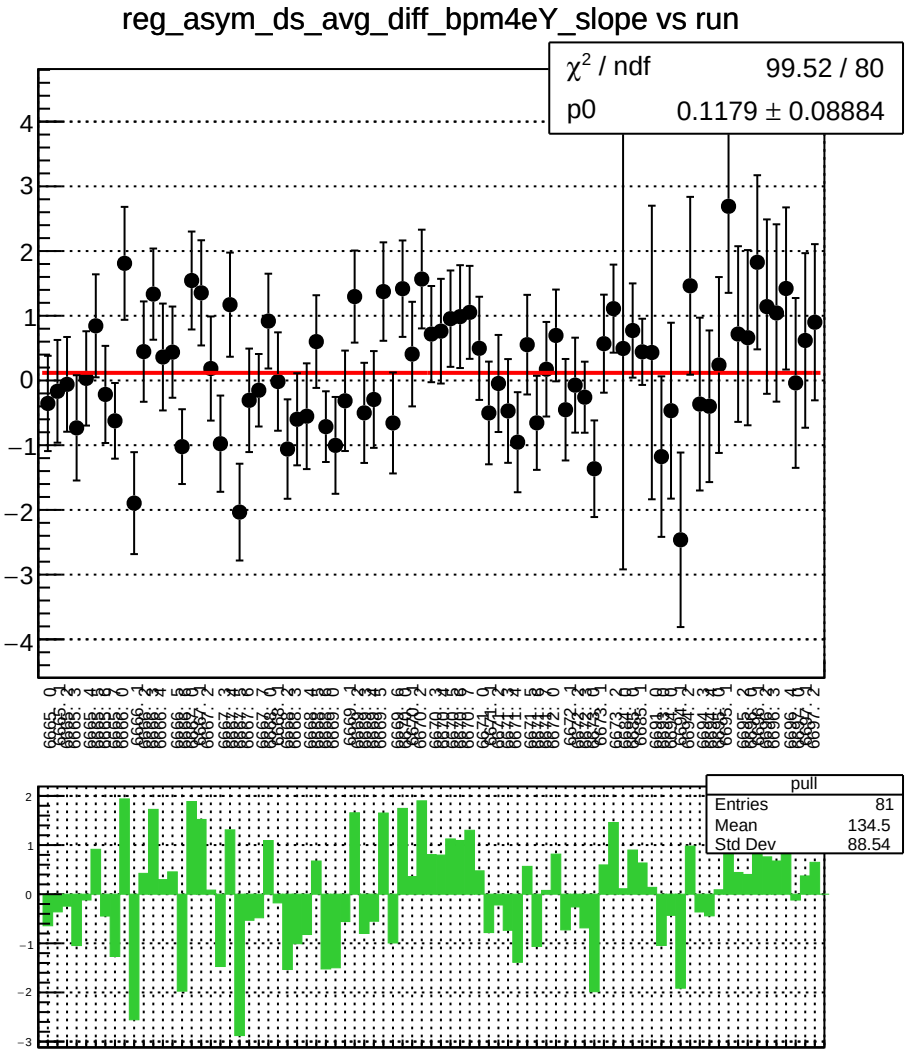

pull1D
Entries 81
Mean 0.007233
Std Dev 0.9912

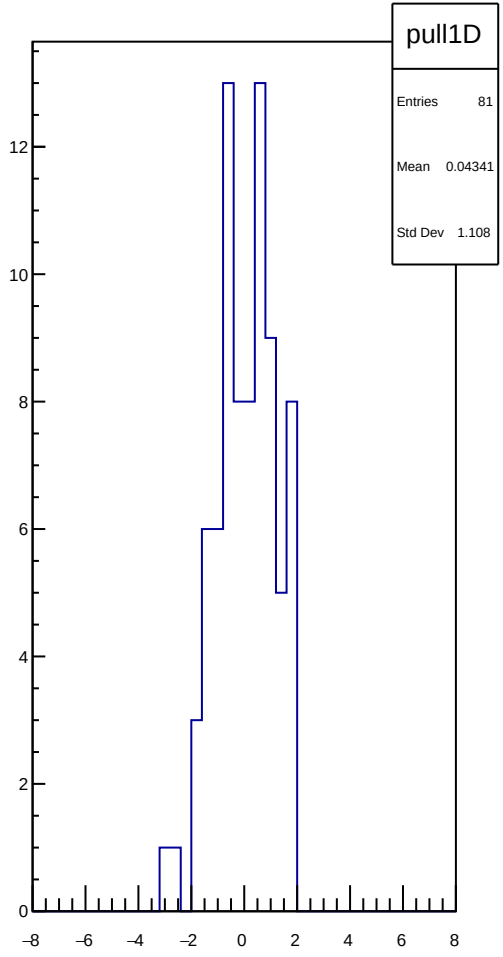

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 92.93 / 80
p0 −0.07093 ± 0.0779
pull
Entries 81
Mean 100.3
Std Dev 49.97

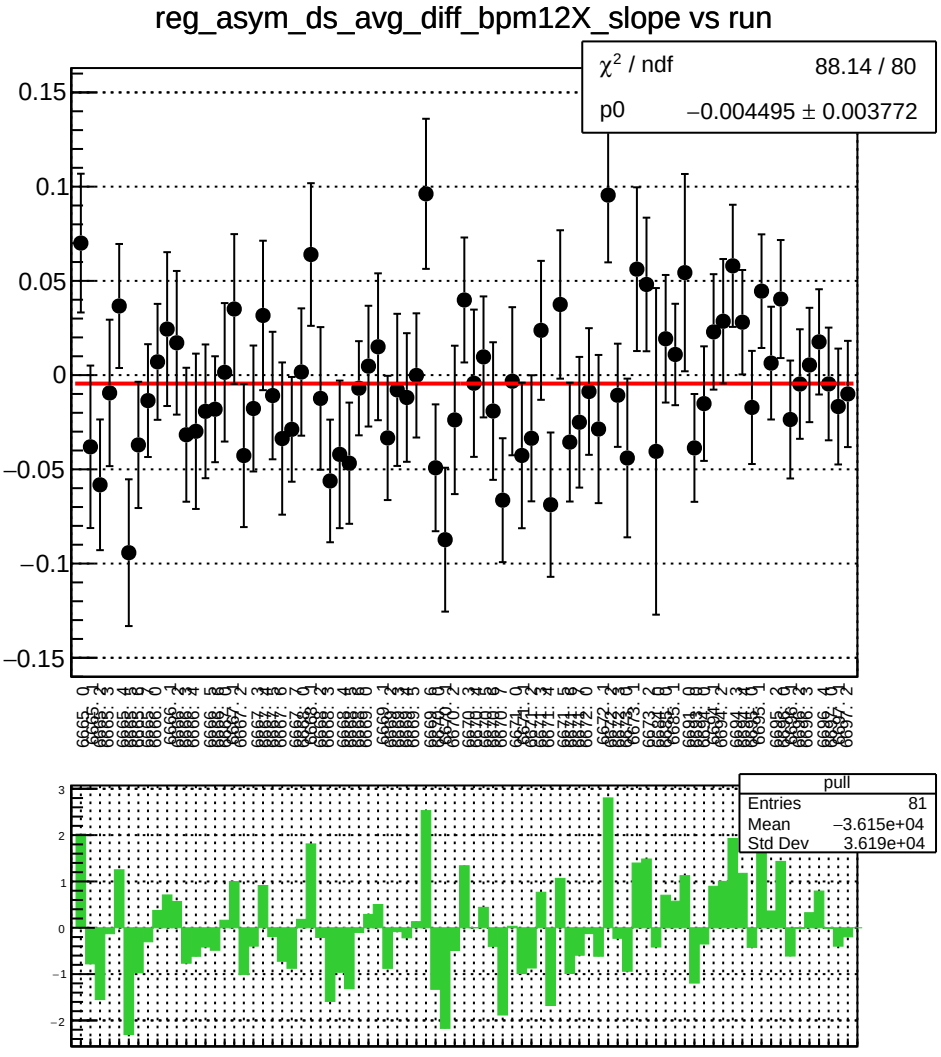

pull1D
Entries 81
Mean −0.05927
Std Dev 1.069

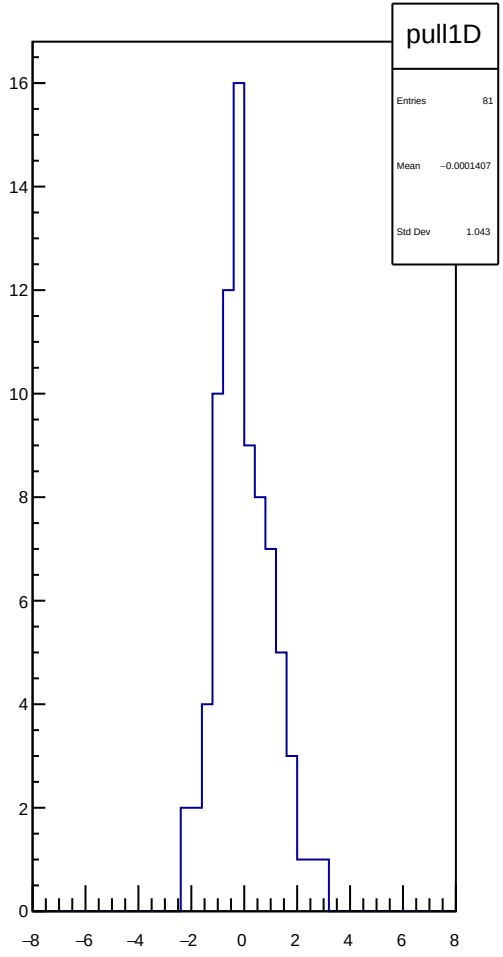

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 77.89 / 80
p0 −0.06223 ± 0.09598
pull
Entries 81
Mean −917.3
Std Dev 956.6

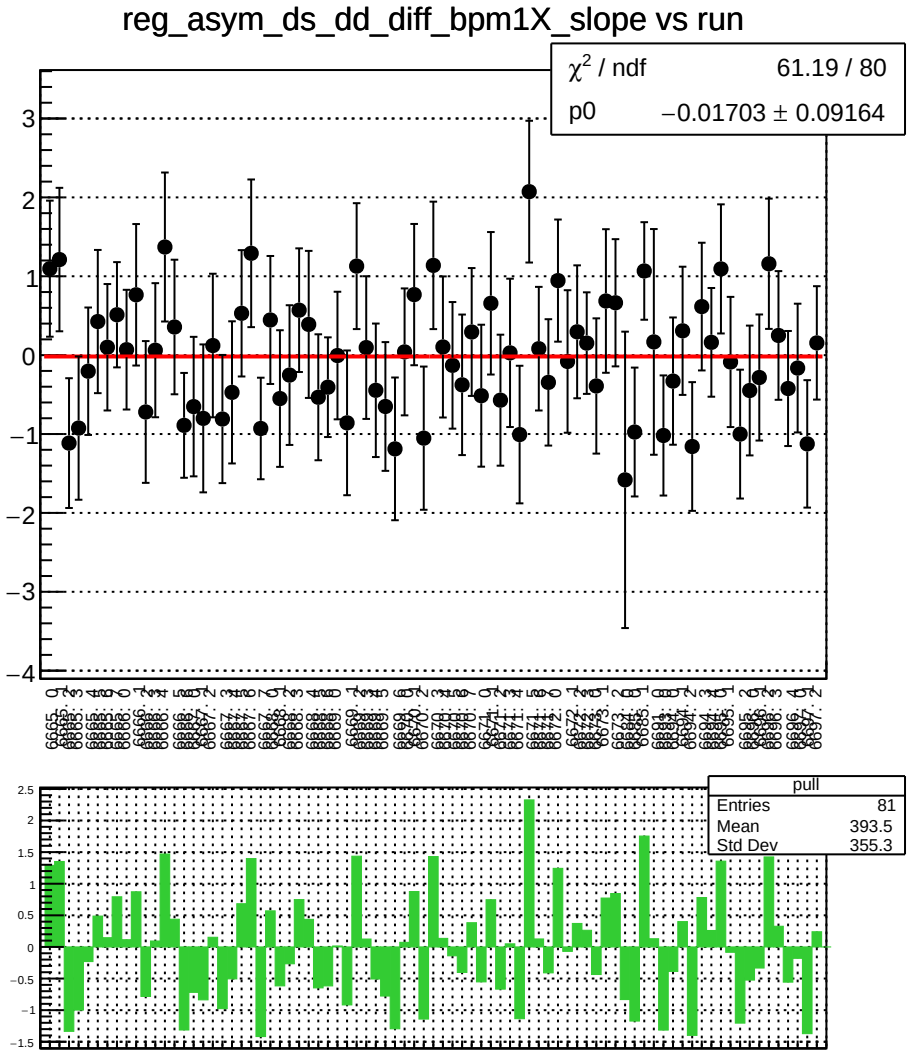

pull1D
Entries 81
Mean 0.005321
Std Dev 0.9806

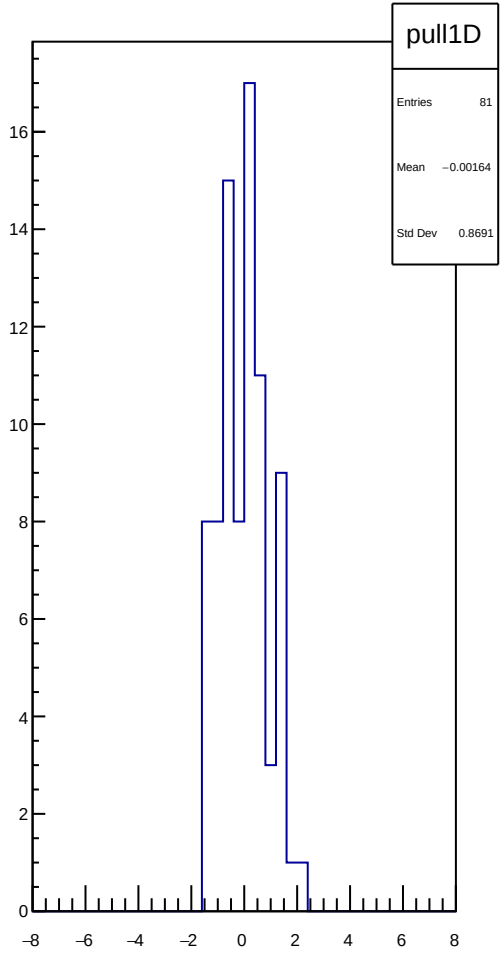

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 99.52 / 80
p0 0.1179 ± 0.08884
pull
Entries 81
Mean 134.5
Std Dev 88.54

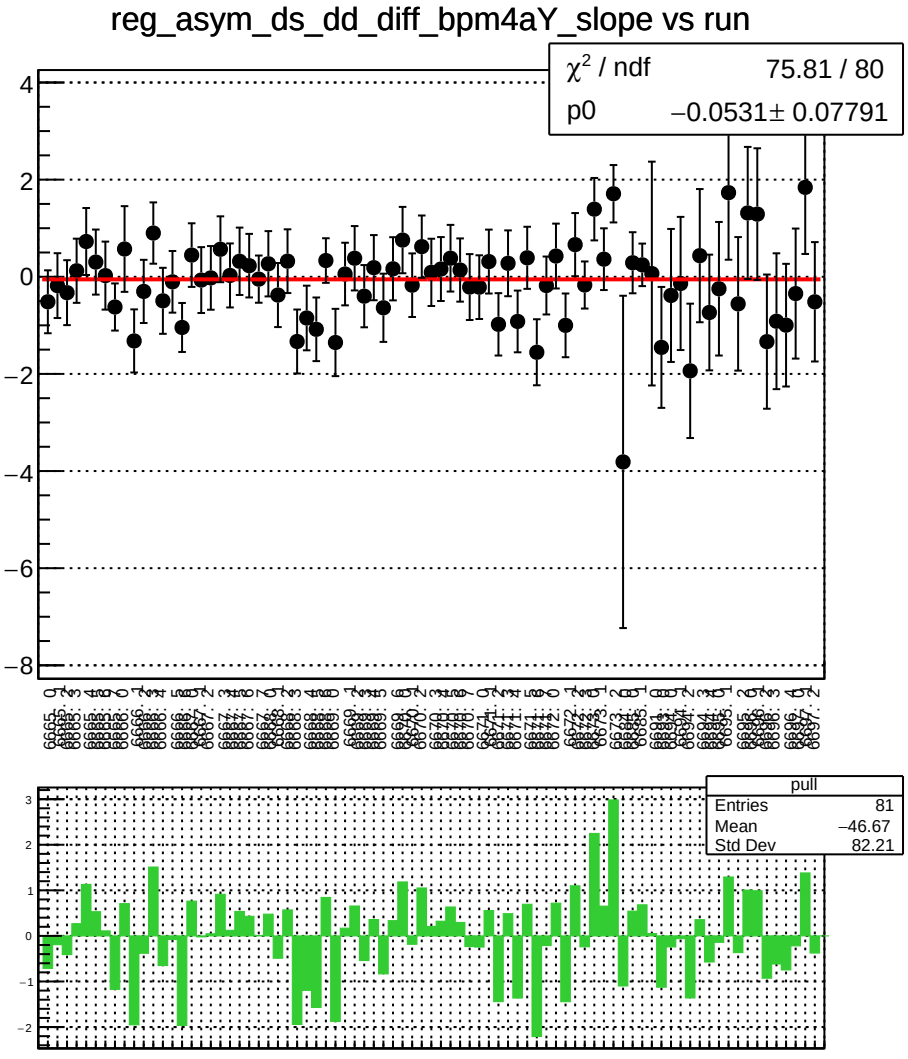

pull1D
Entries 81
Mean 0.04341
Std Dev 1.108

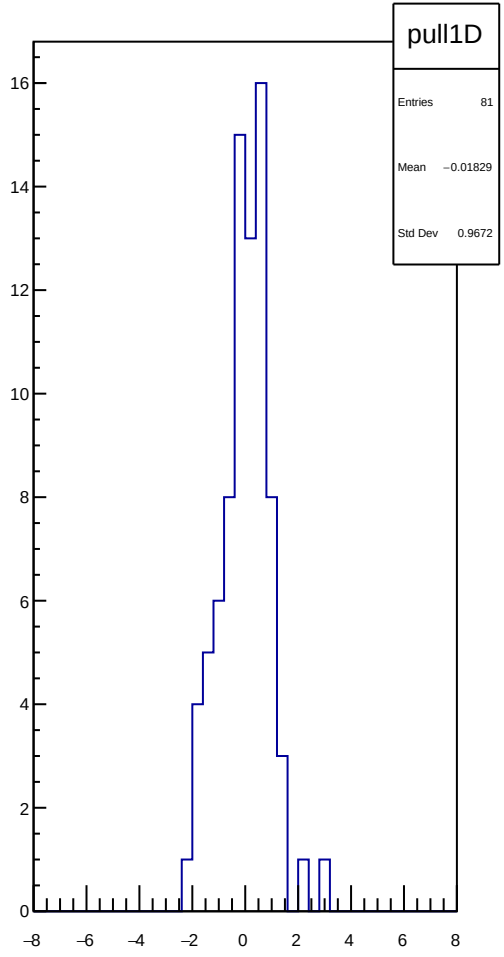

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 88.14 / 80
p0 −0.004495 ± 0.003772
pull
Entries 81
Mean −3.615e+04
Std Dev 3.619e+04

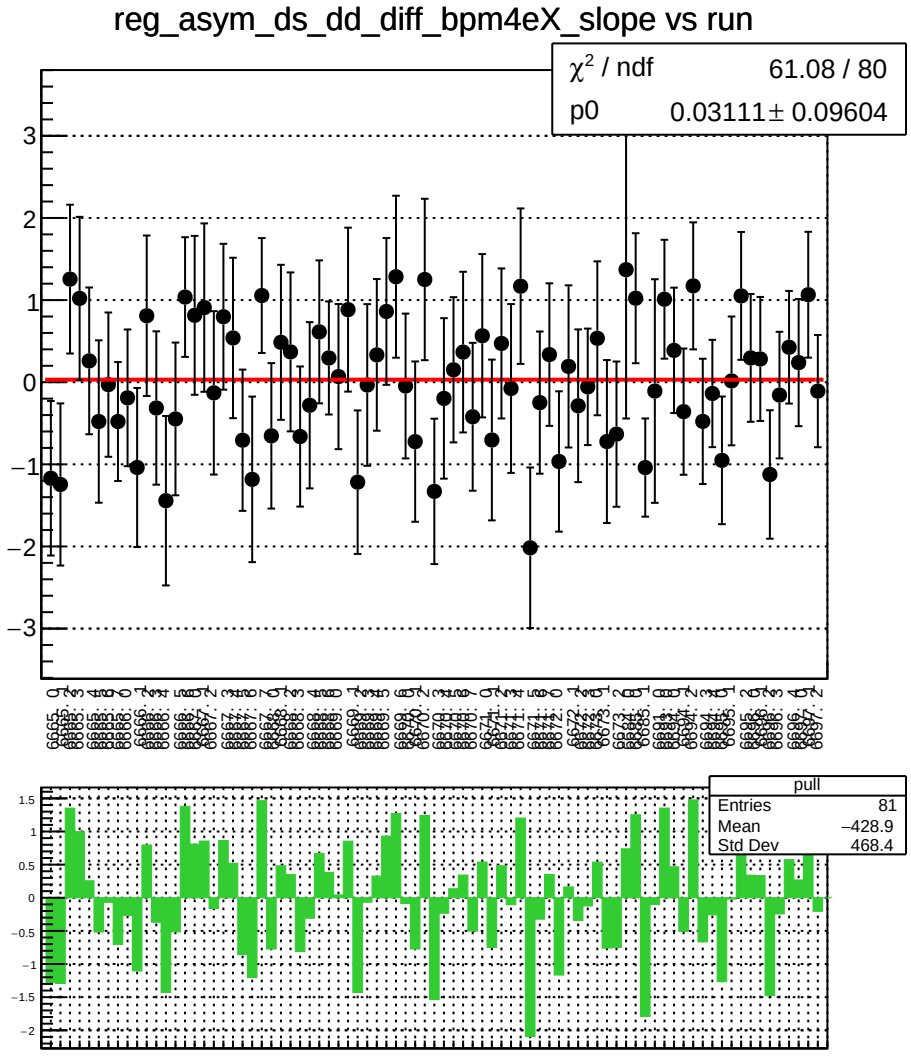

pull1D
Entries 81
Mean −0.0001407
Std Dev 1.043

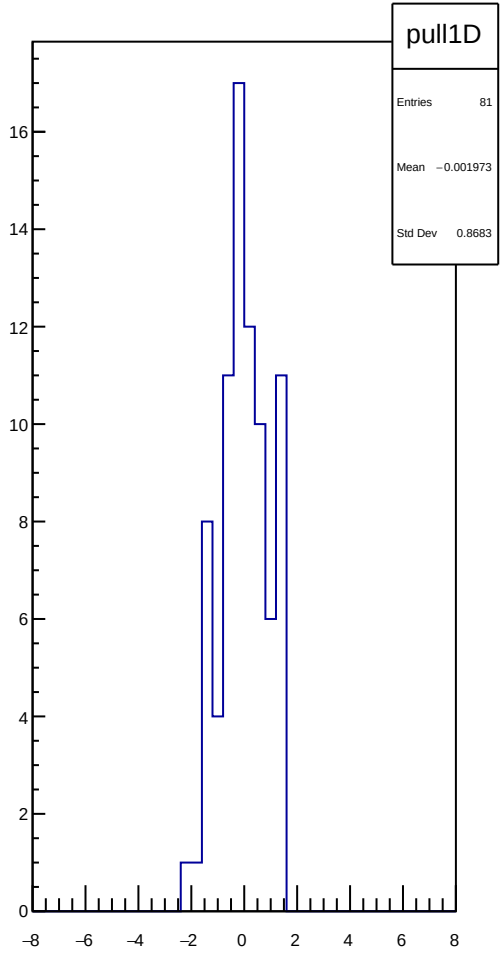

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 61.19 / 80
p0 −0.01703 ± 0.09164
pull
Entries 81
Mean 393.5
Std Dev 355.3


pull1D
Entries 81
Mean −0.00164
Std Dev 0.8691

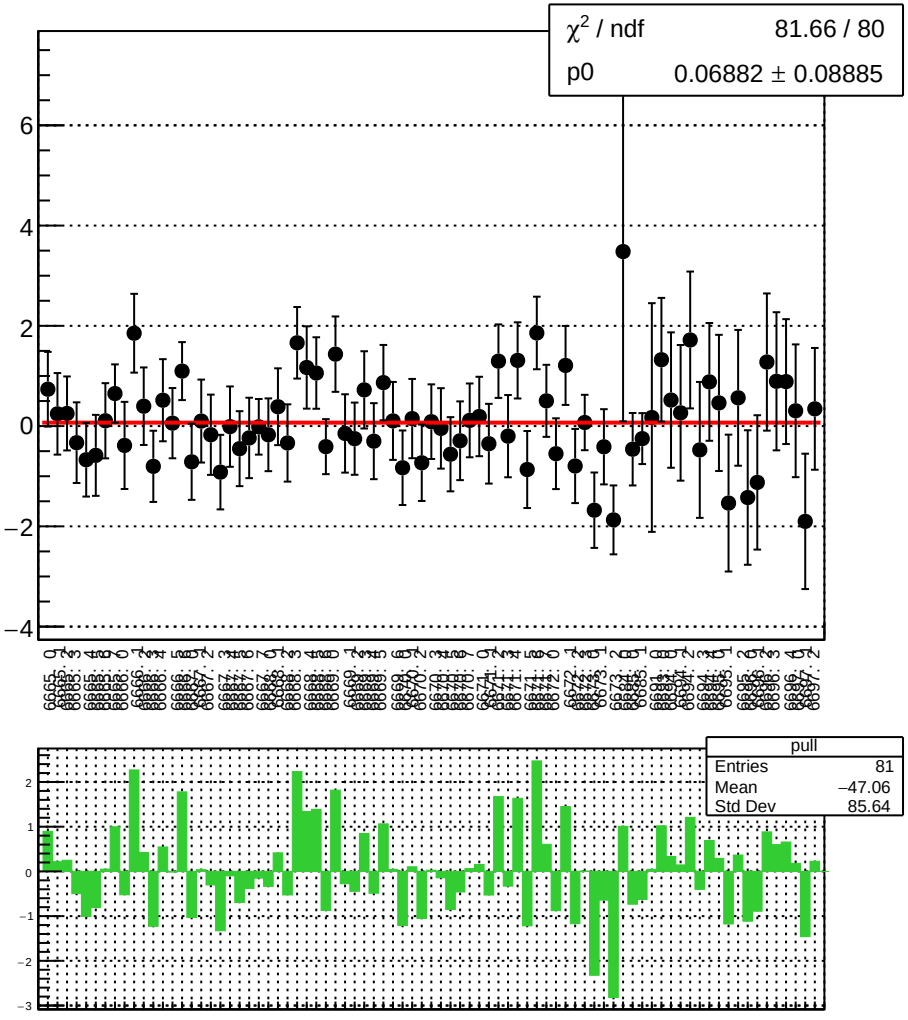

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.81 / 80
p0 −0.0531± 0.07791
pull
Entries 81
Mean −46.67
Std Dev 82.21

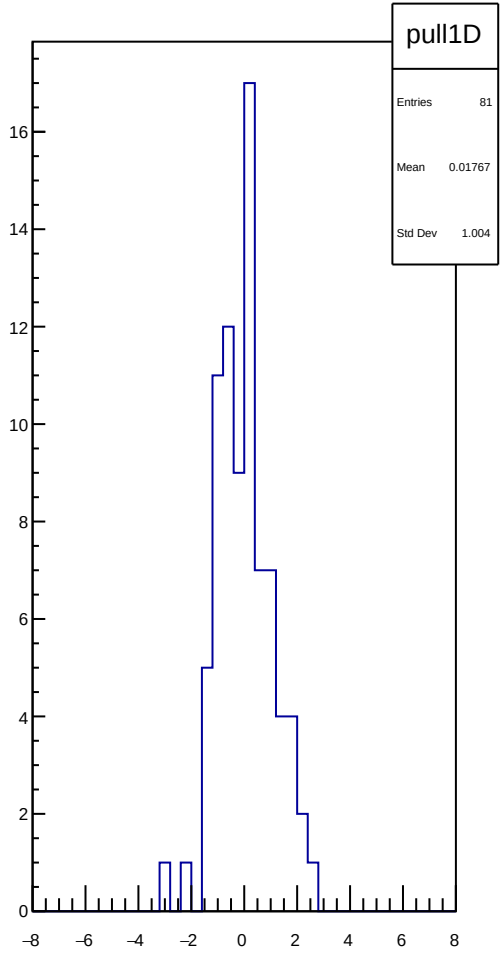

pull1D
Entries 81
Mean −0.01829
Std Dev 0.9672

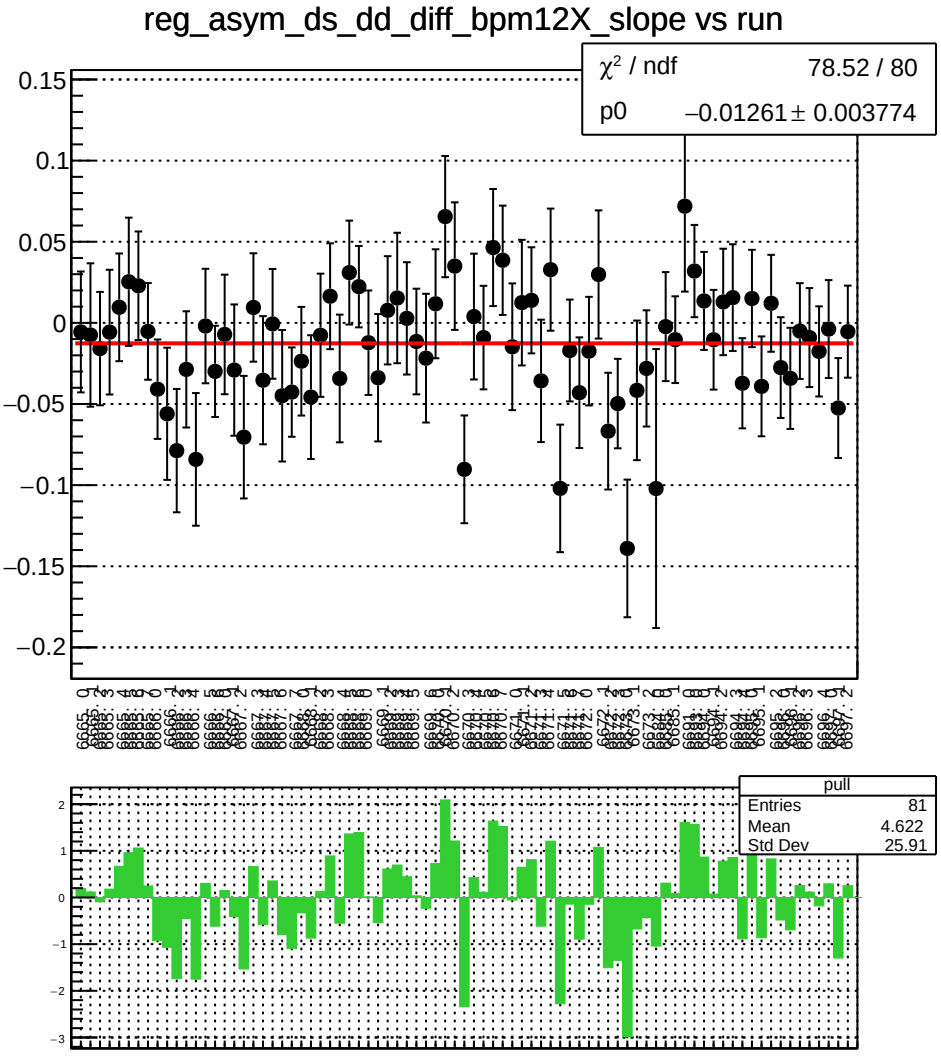

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 61.08 / 80
p0 0.03111 ± 0.09604
pull
Entries 81
Mean −428.9
Std Dev 468.4

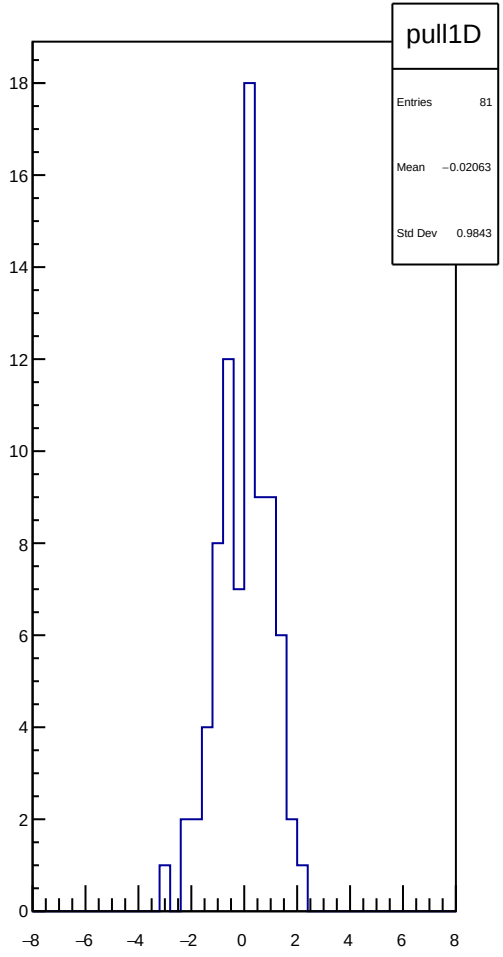

pull1D
Entries 81
Mean −0.001973
Std Dev 0.8683

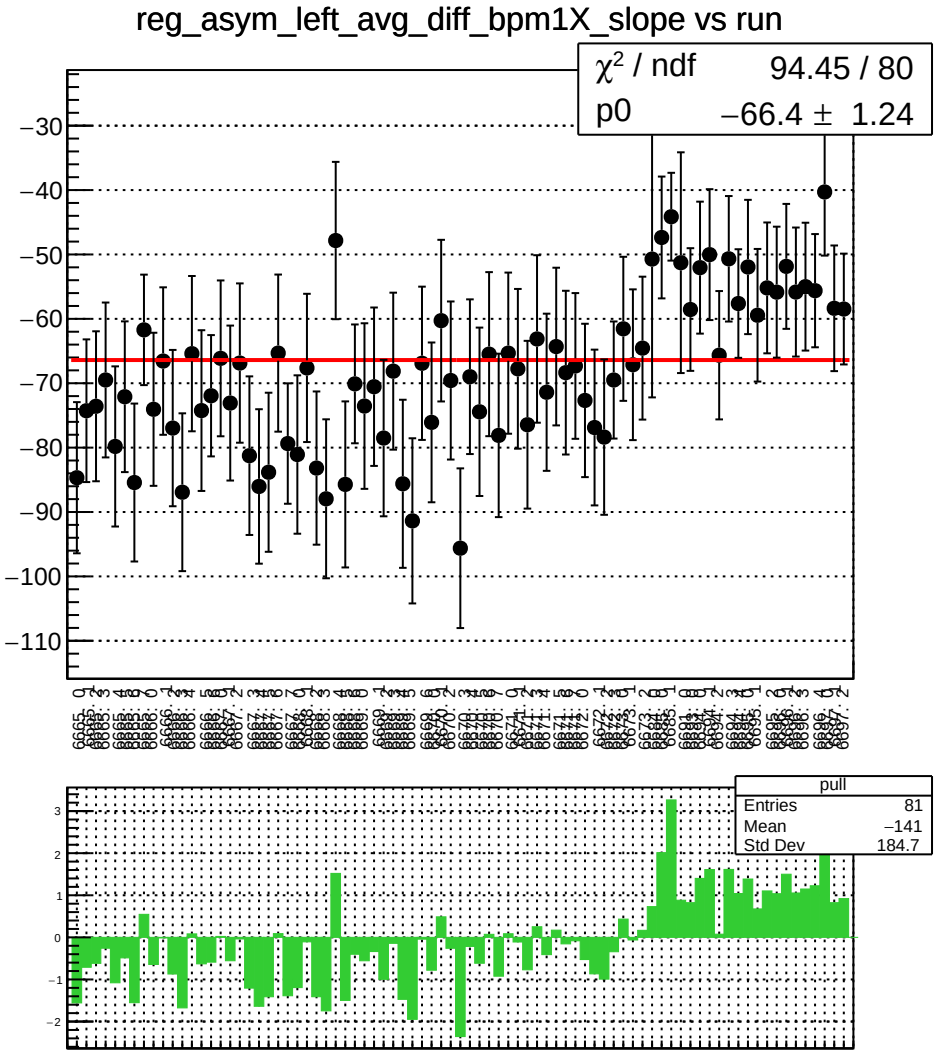
reg_asym_ds_dd_diff_bpm4eY_slope vs run

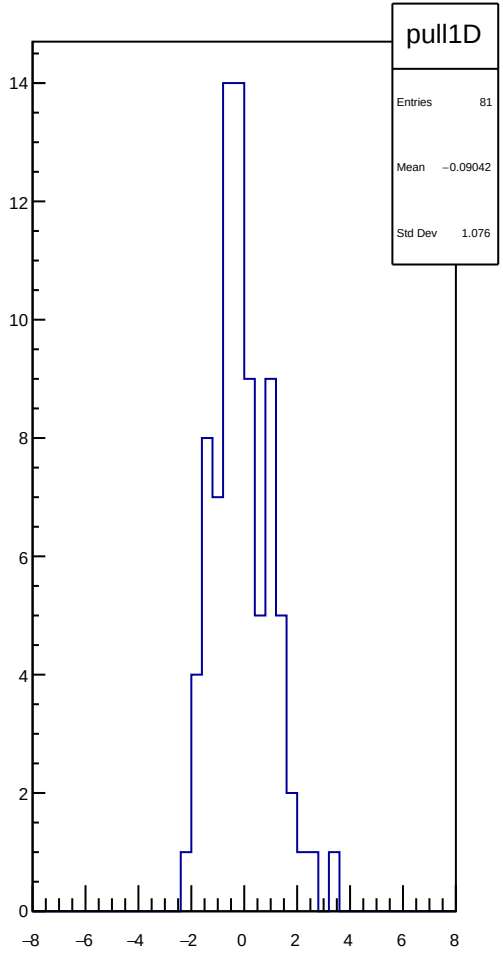


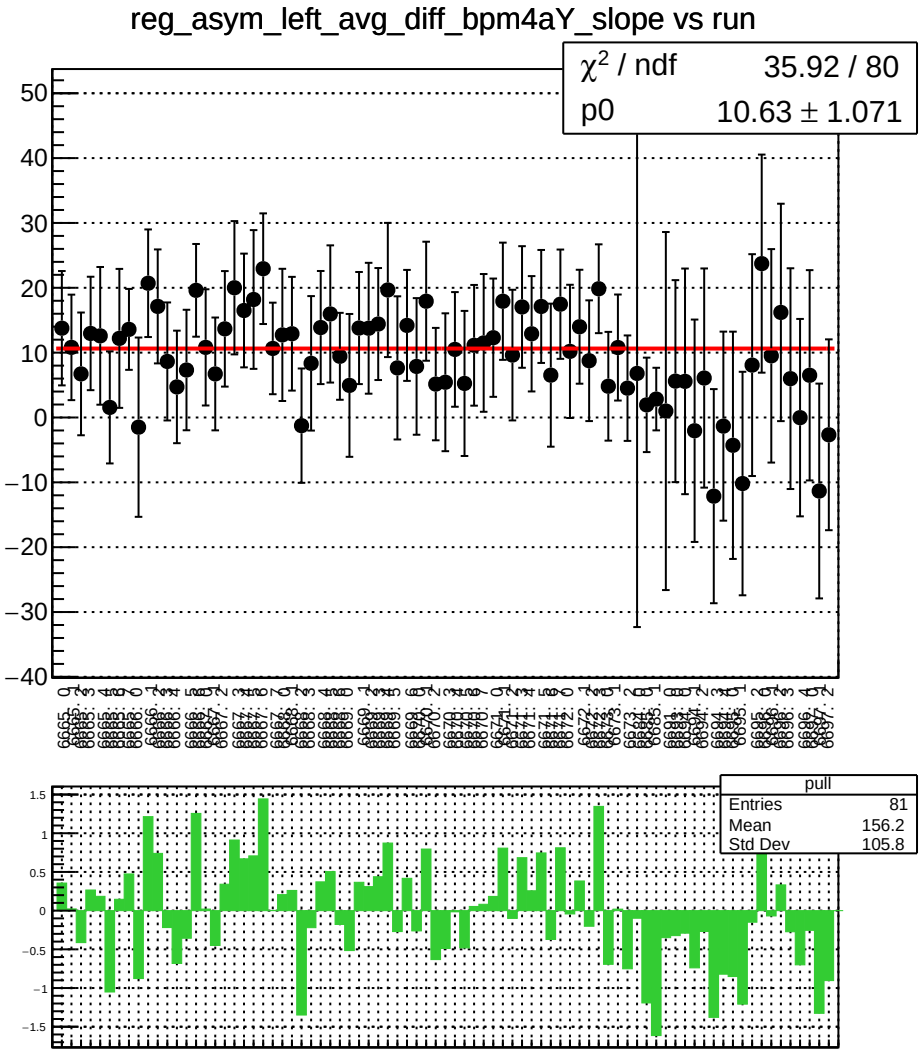


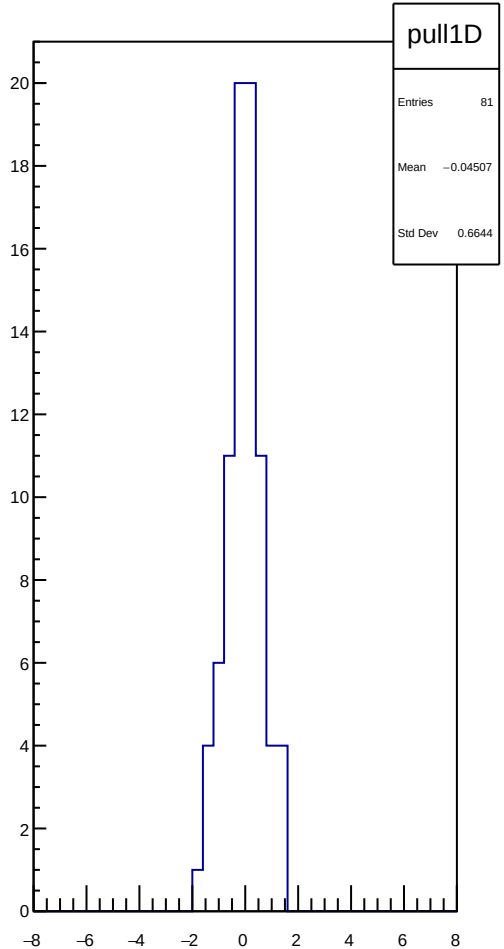

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 78.52 / 80
p0 −0.01261 ± 0.003774
pull
Entries 81
Mean 4.622
Std Dev 25.91

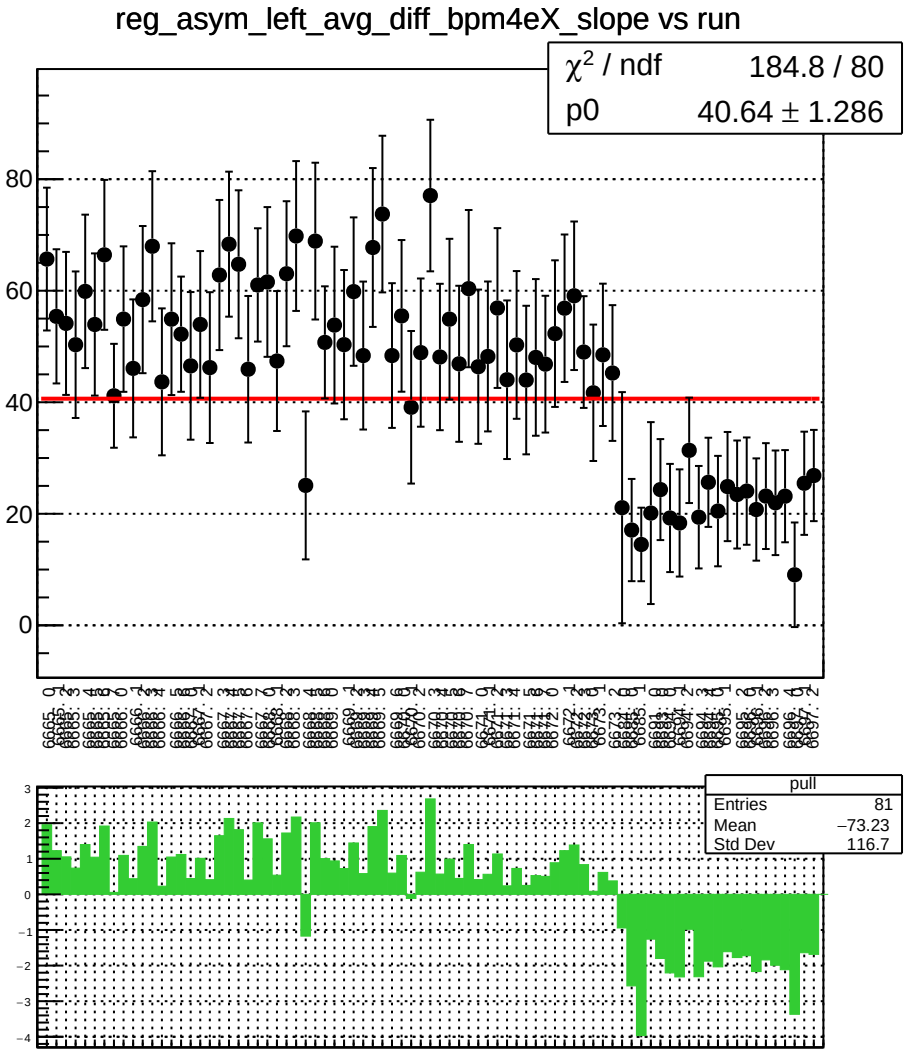

pull1D
Entries 81
Mean −0.02063
Std Dev 0.9843

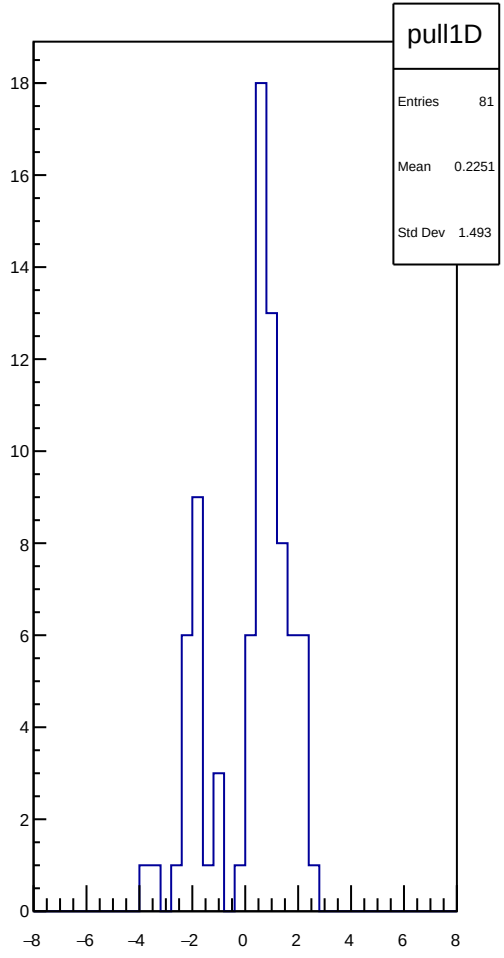

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 94.45 / 80
p0 −66.4 ± 1.24
pull
Entries 81
Mean −141
Std Dev 184.7

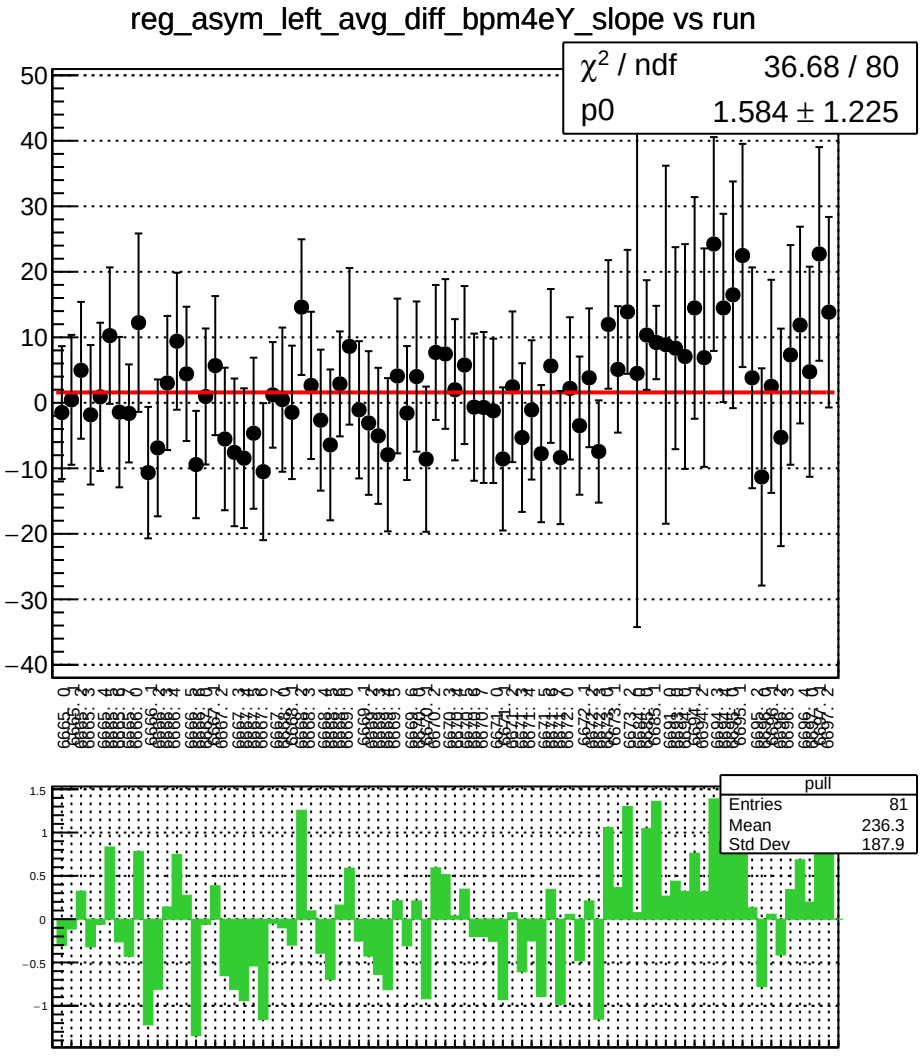

pull1D
Entries 81
Mean −0.09042
Std Dev 1.076

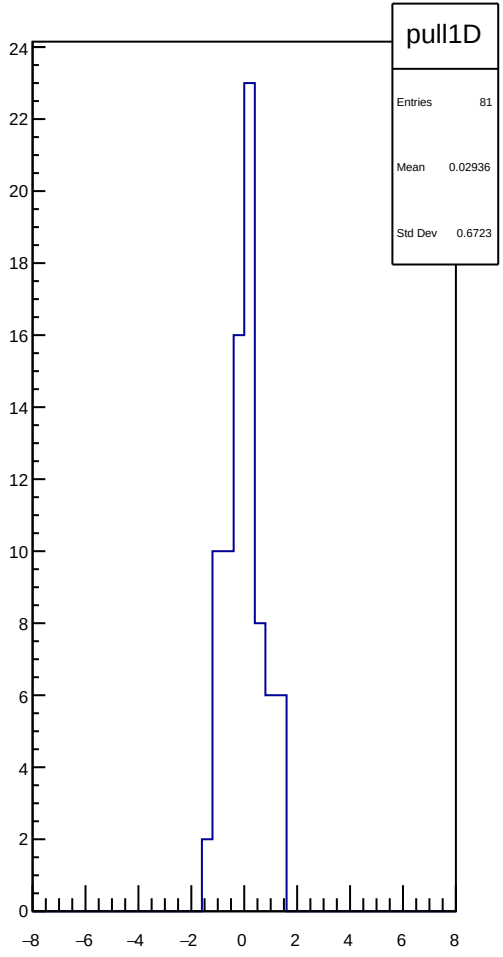

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.92 / 80
p0 10.63 ± 1.071
pull
Entries 81
Mean 156.2
Std Dev 105.8

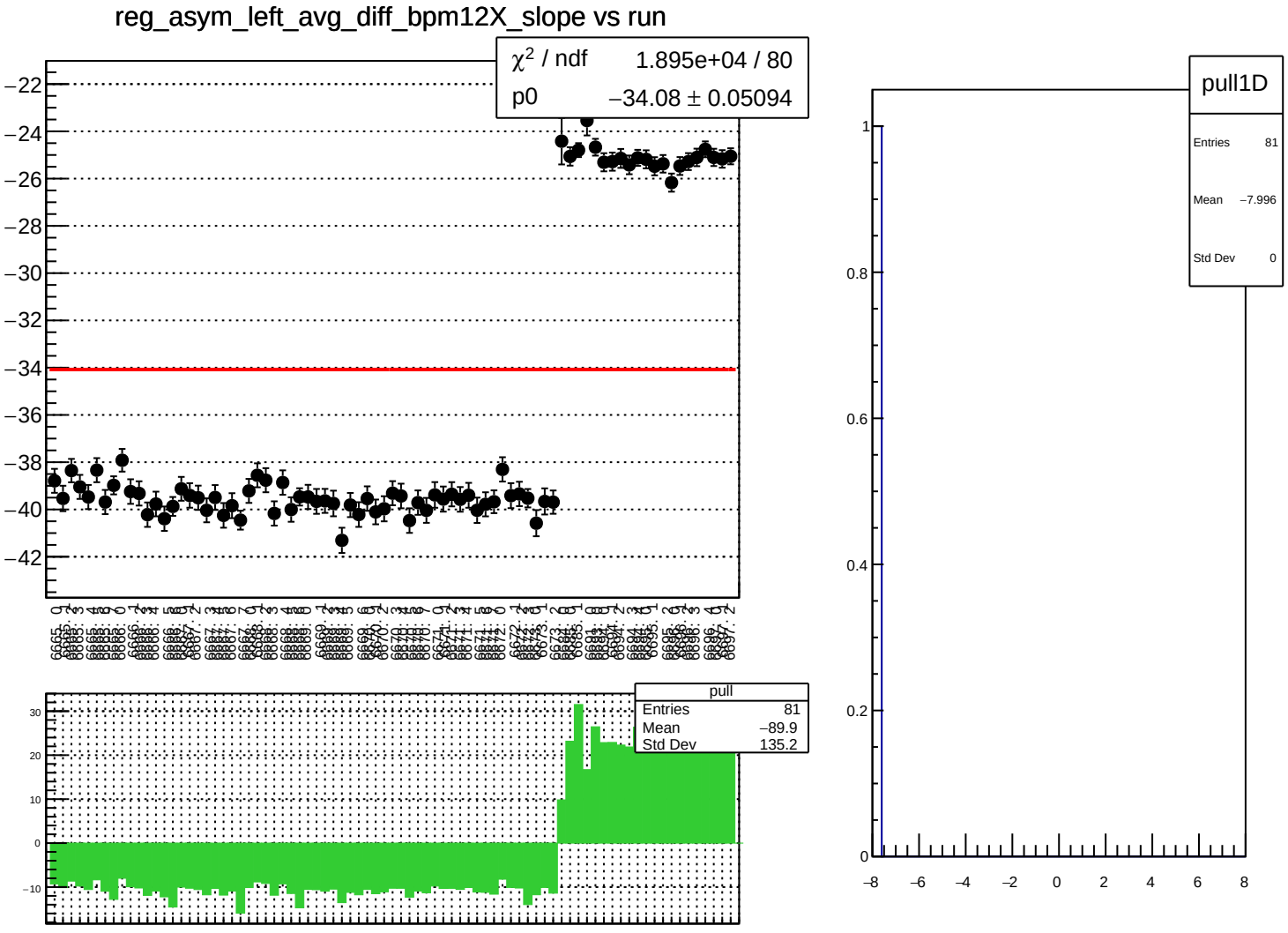

pull1D
Entries 81
Mean −0.04507
Std Dev 0.6644

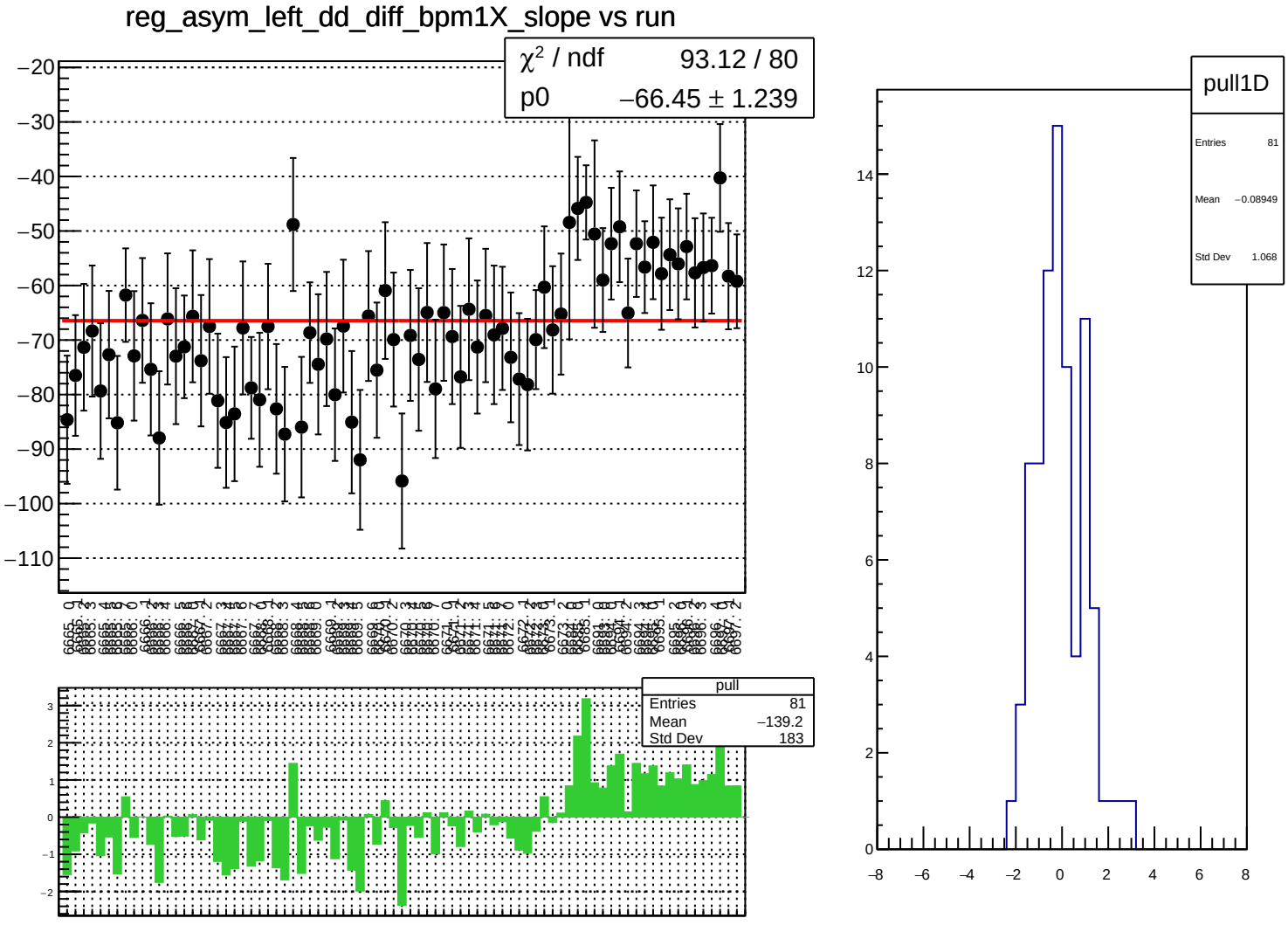

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 184.8 / 80
p0 40.64 ± 1.286
pull
Entries 81
Mean −73.23
Std Dev 116.7

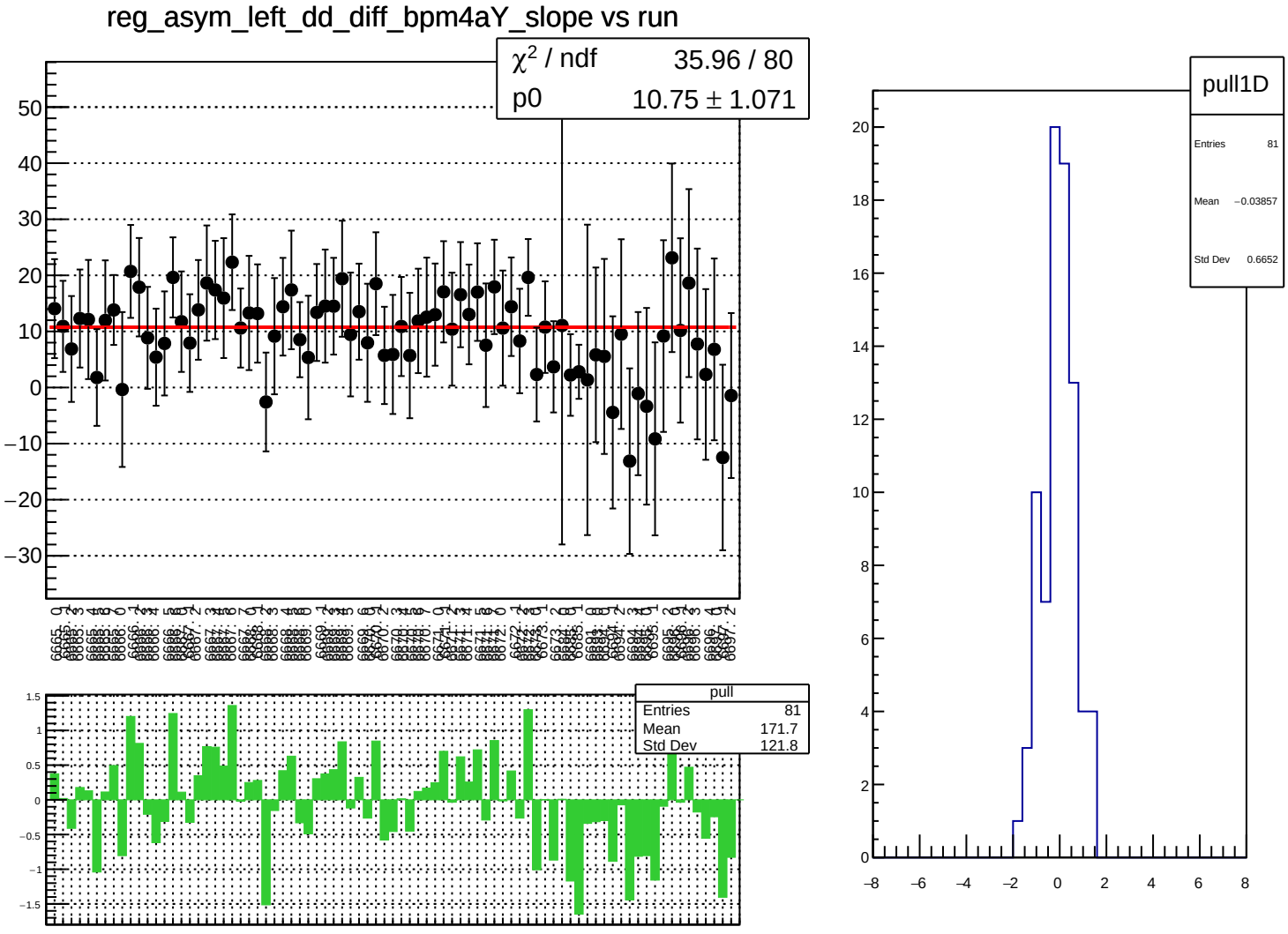

pull1D
Entries 81
Mean 0.2251
Std Dev 1.493

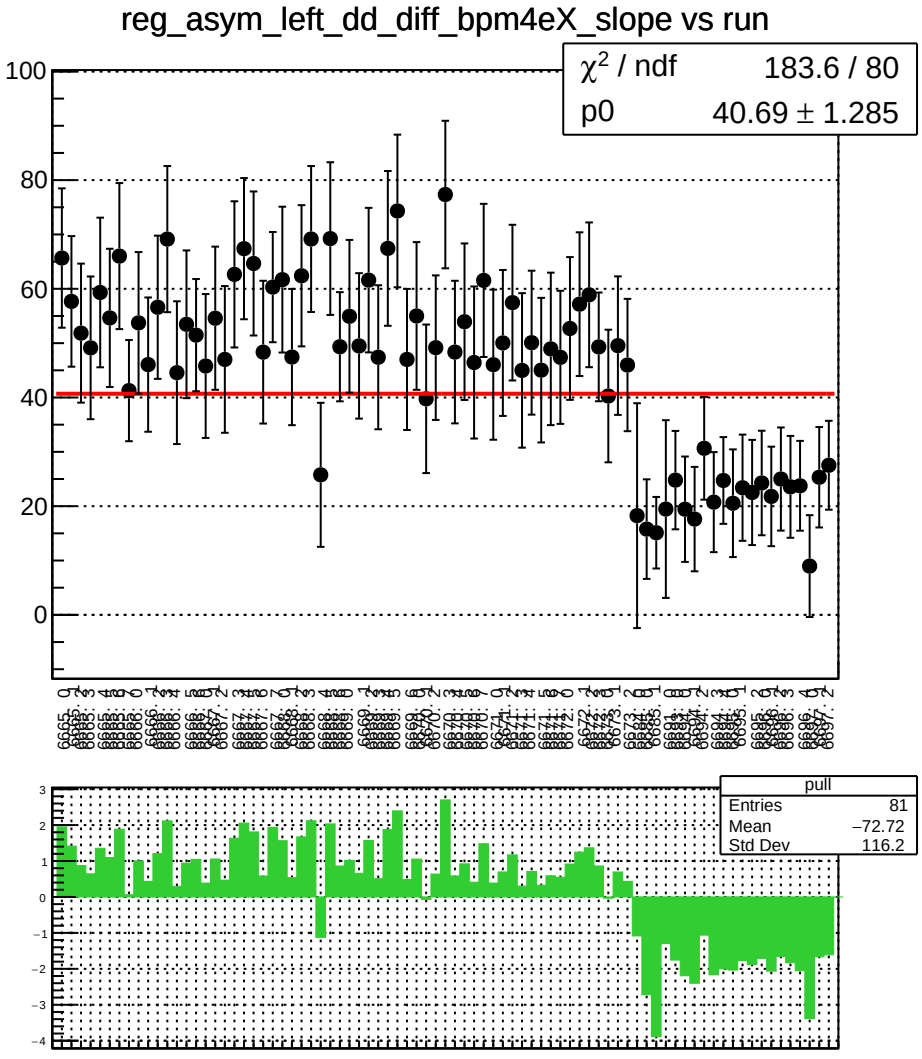

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 36.68 / 80
p0 1.584 ± 1.225
pull
Entries 81
Mean 236.3
Std Dev 187.9

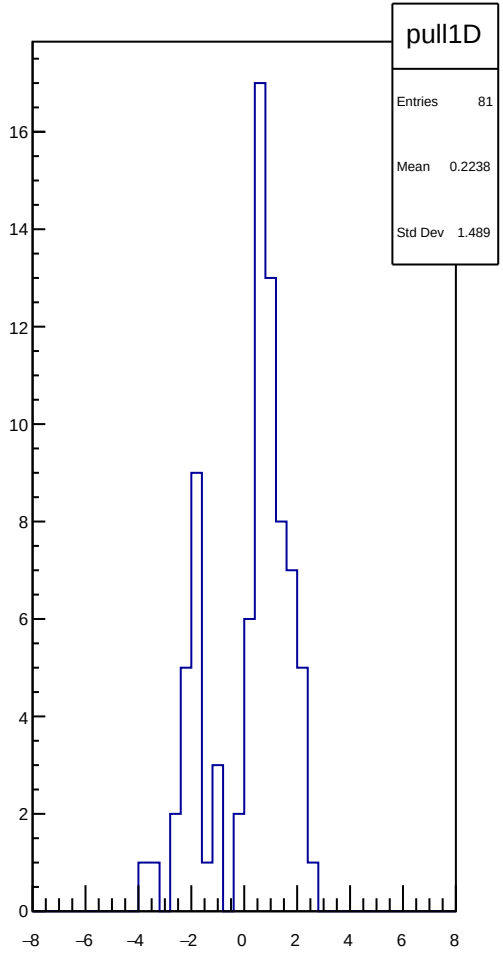

pull1D
Entries 81
Mean 0.02936
Std Dev 0.6723

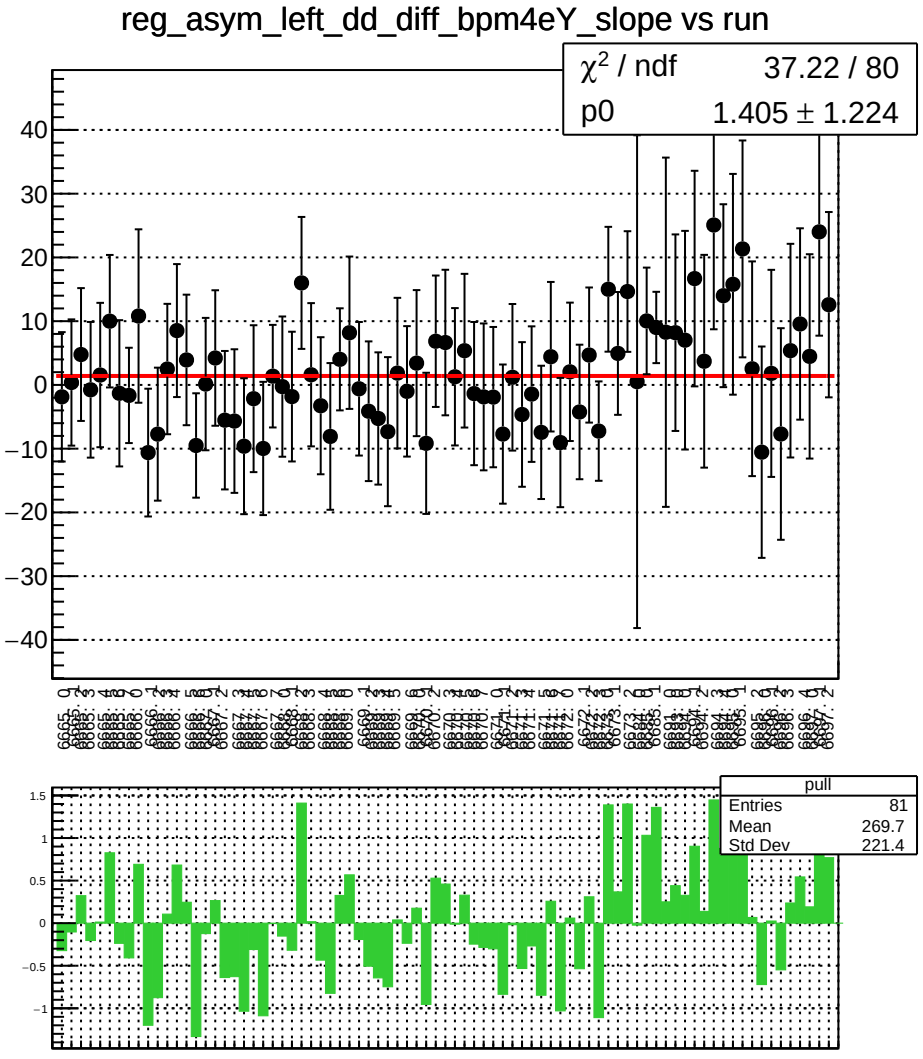

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.895e+04 / 80
p0 −34.08 ± 0.05094
pull
Entries 81
Mean −89.9
Std Dev 135.2
pull1D
Entries 81
Mean −7.996
Std Dev 0

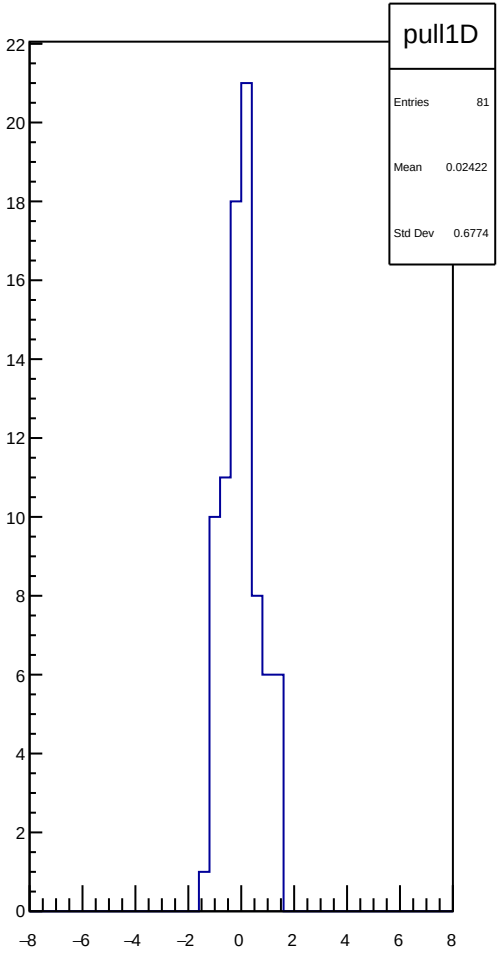

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 93.12 / 80
p0 −66.45 ± 1.239
pull
Entries 81
Mean −139.2
Std Dev 183
pull1D
Entries 81
Mean −0.08949
Std Dev 1.068

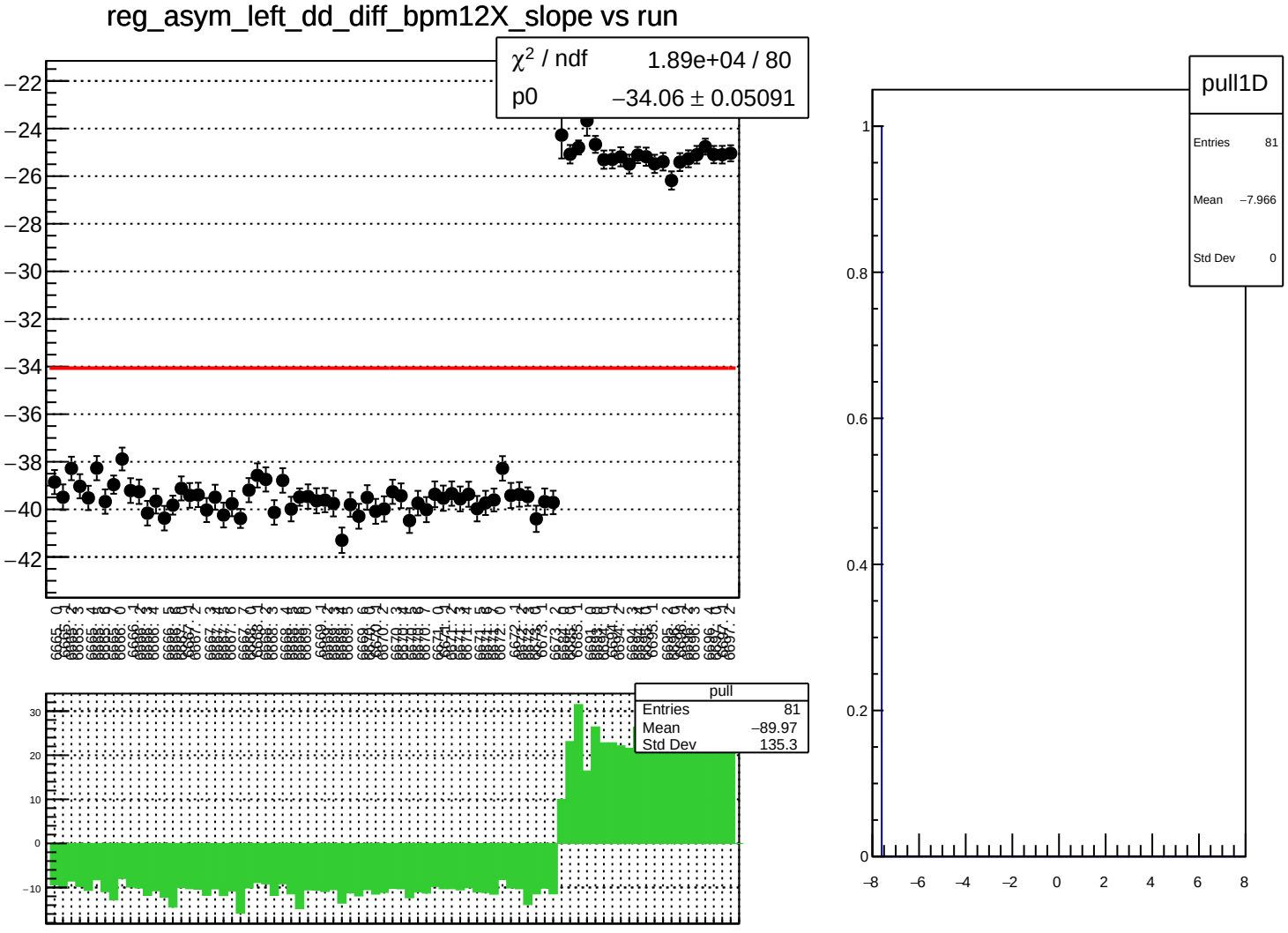

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.96 / 80
p0 10.75 ± 1.071
pull
Entries 81
Mean 171.7
Std Dev 121.8
pull1D
Entries 81
Mean −0.03857
Std Dev 0.6652

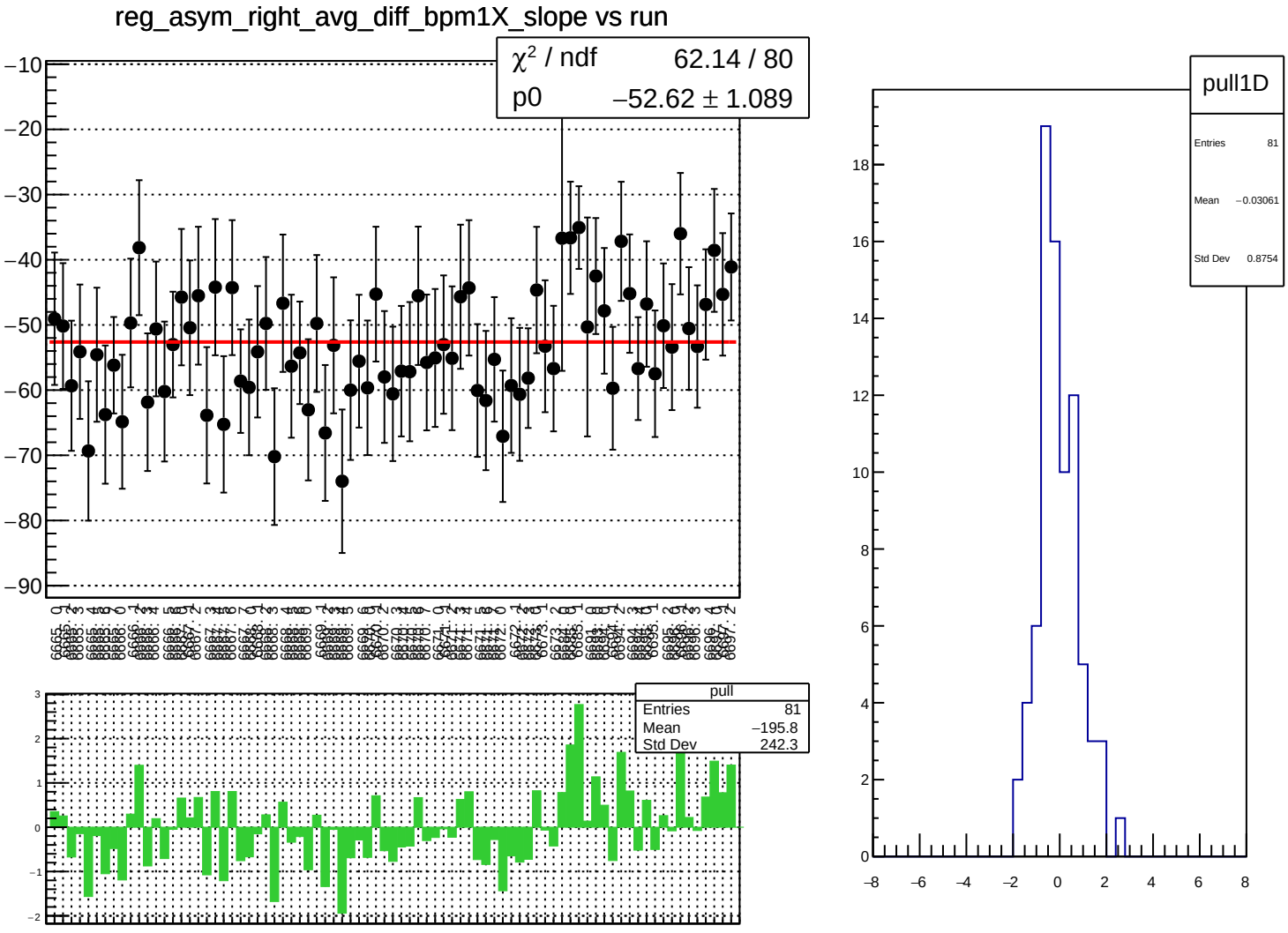

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 183.6 / 80
p0 40.69 ± 1.285
pull
Entries 81
Mean −72.72
Std Dev 116.2

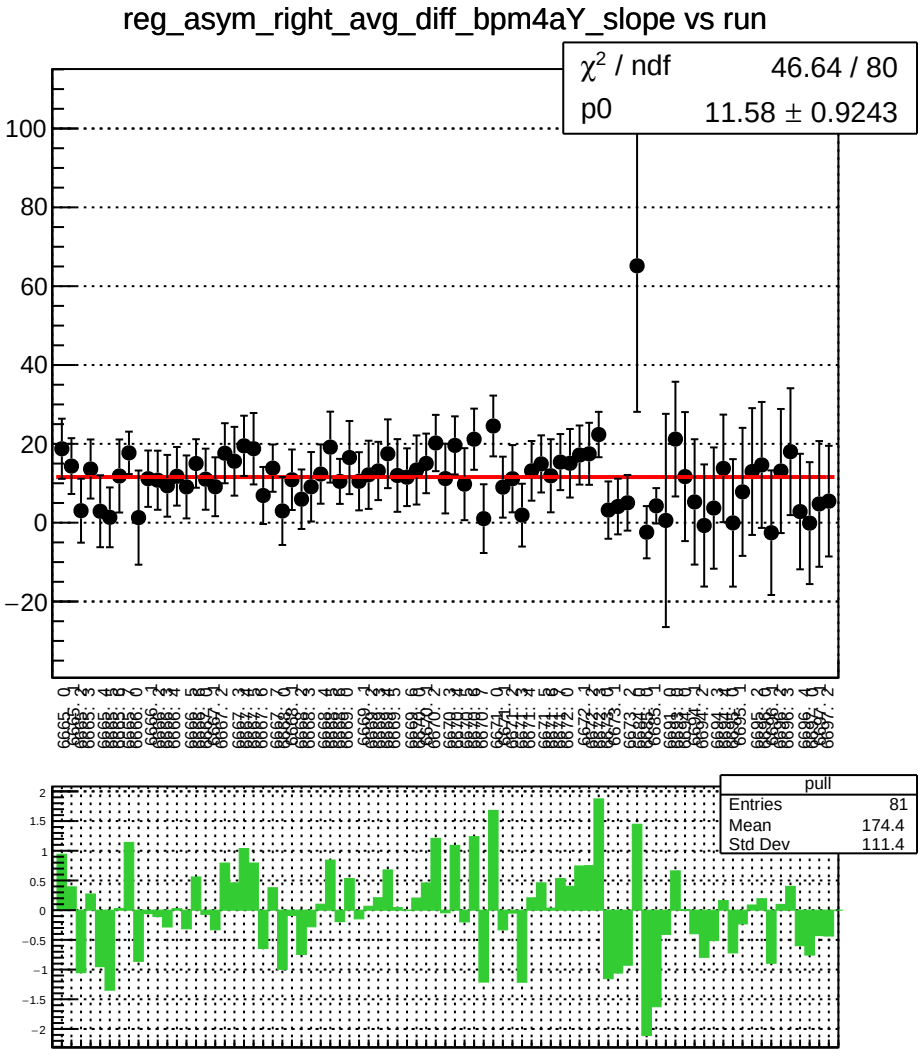

pull1D
Entries 81
Mean 0.2238
Std Dev 1.489

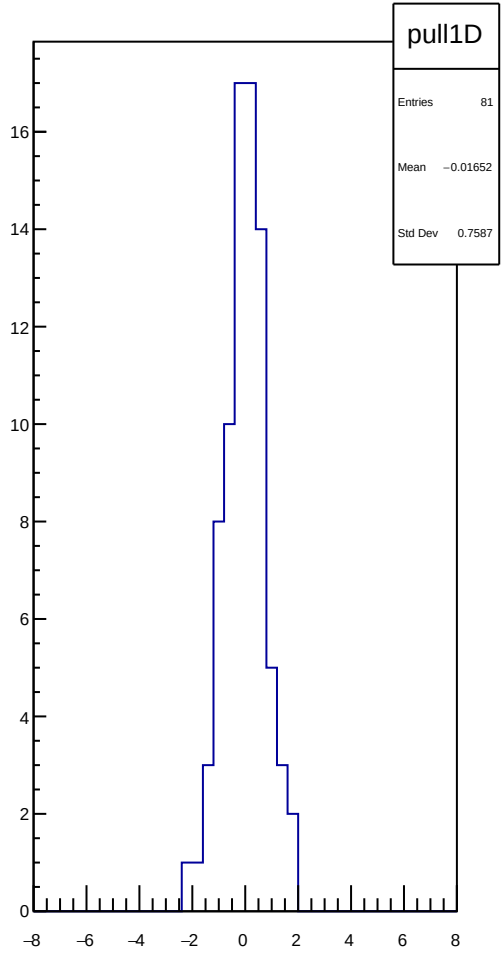

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 37.22 / 80
p0 1.405 ± 1.224
pull
Entries 81
Mean 269.7
Std Dev 221.4

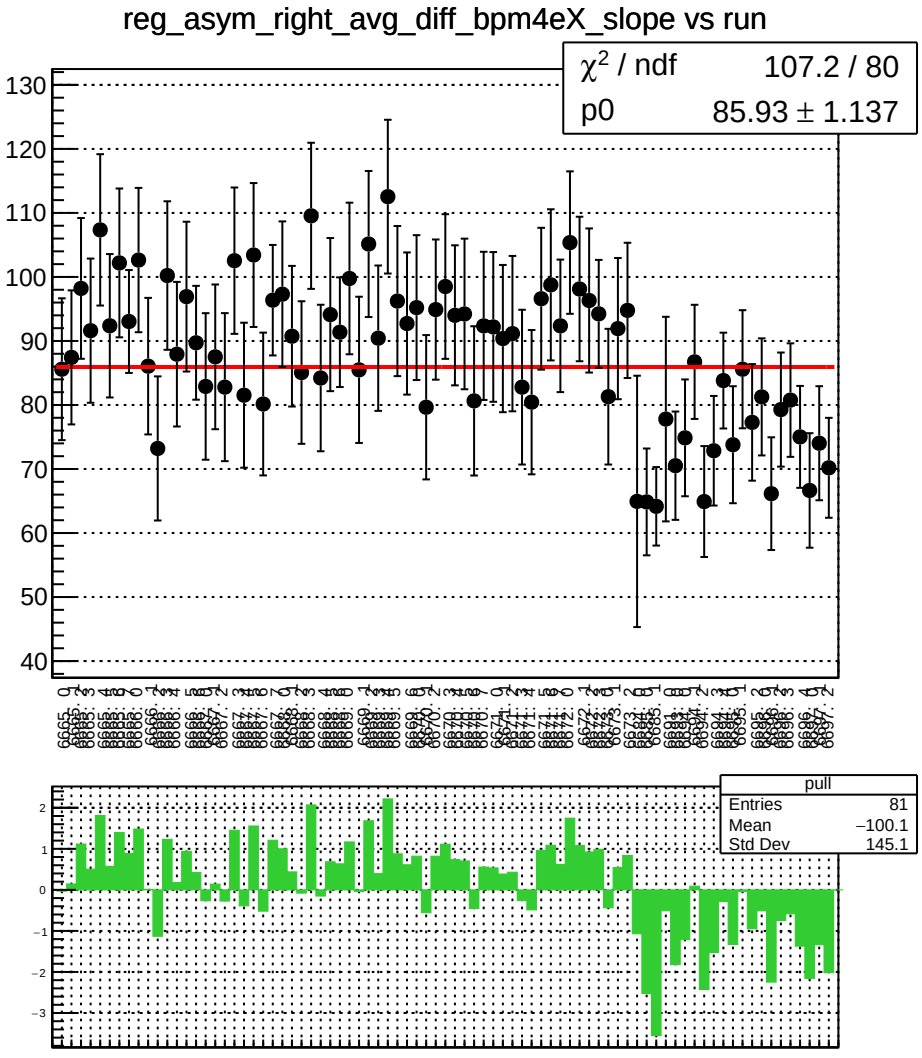

pull1D
Entries 81
Mean 0.02422
Std Dev 0.6774

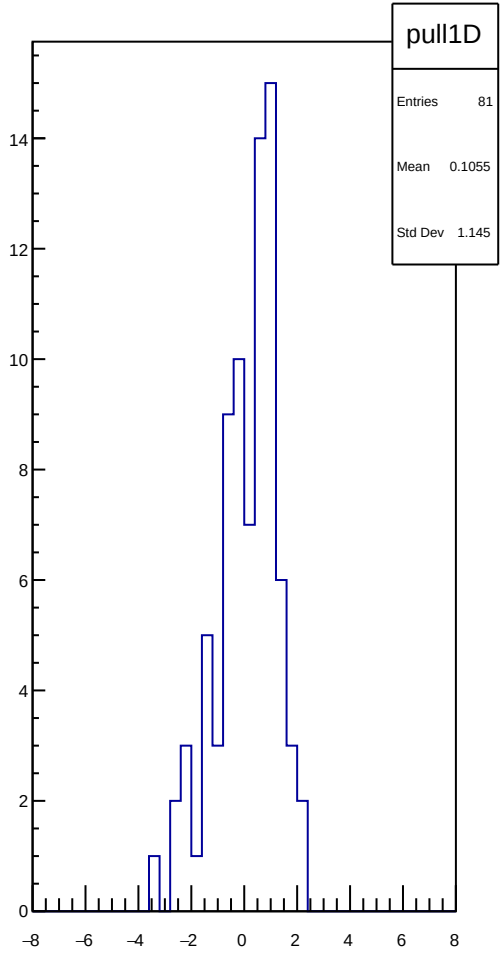

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 1.89e+04 / 80
p0 −34.06 ± 0.05091
pull
Entries 81
Mean −89.97
Std Dev 135.3
pull1D
Entries 81
Mean −7.966
Std Dev 0

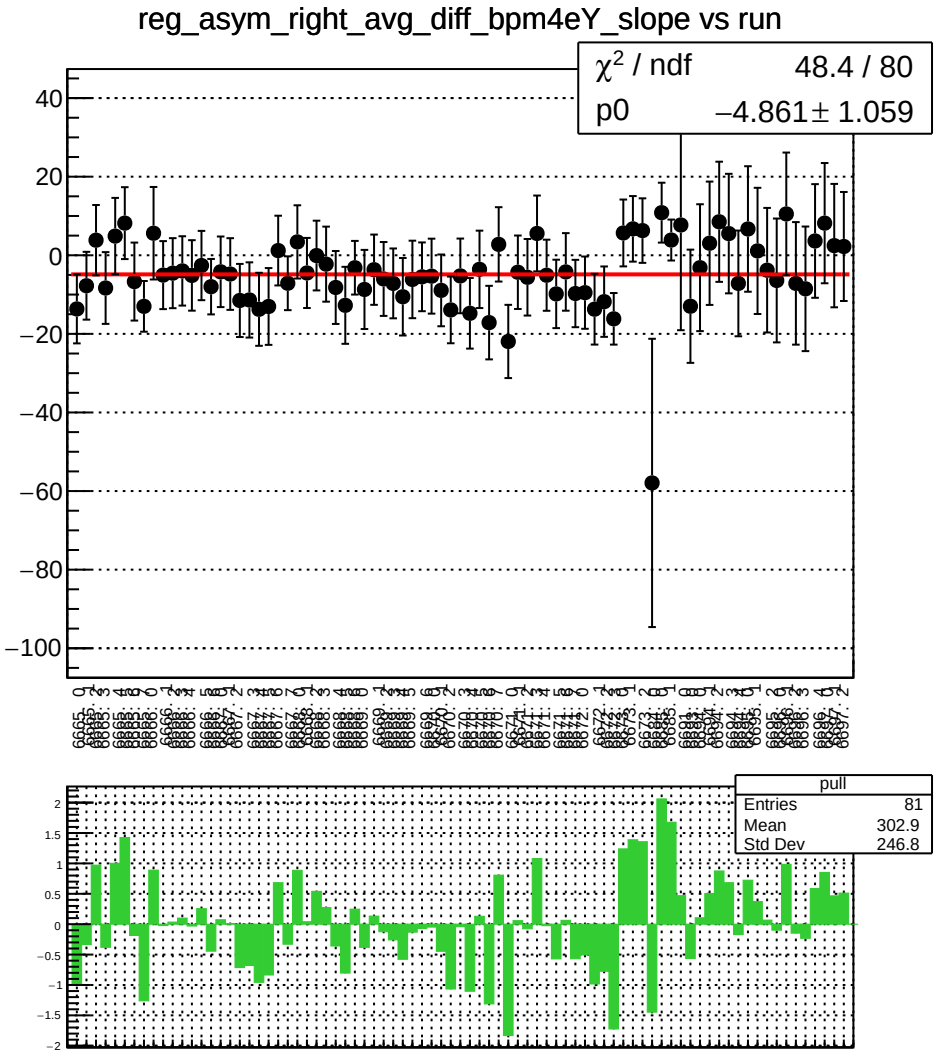

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 62.14 / 80
p0 −52.62 ± 1.089
pull
Entries 81
Mean −195.8
Std Dev 242.3
pull1D
Entries 81
Mean −0.03061
Std Dev 0.8754

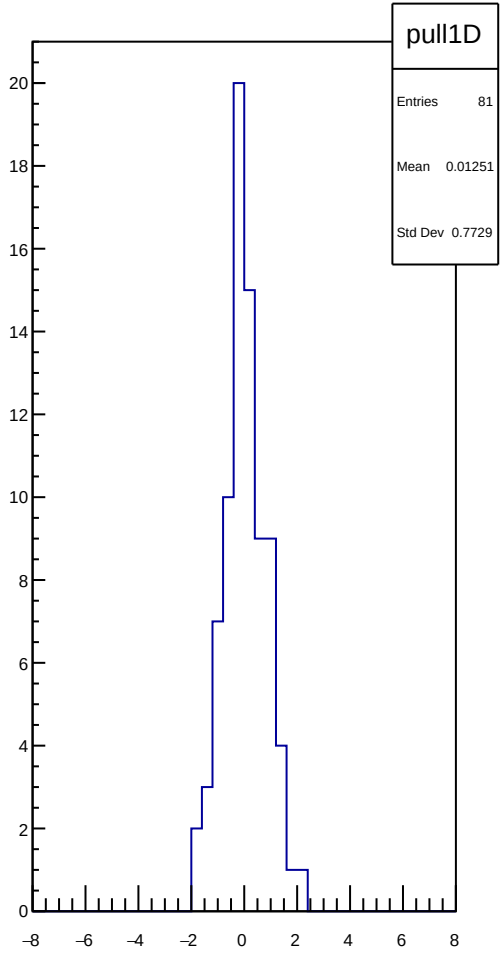

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.64 / 80
p0 11.58 ± 0.9243
pull
Entries 81
Mean 174.4
Std Dev 111.4

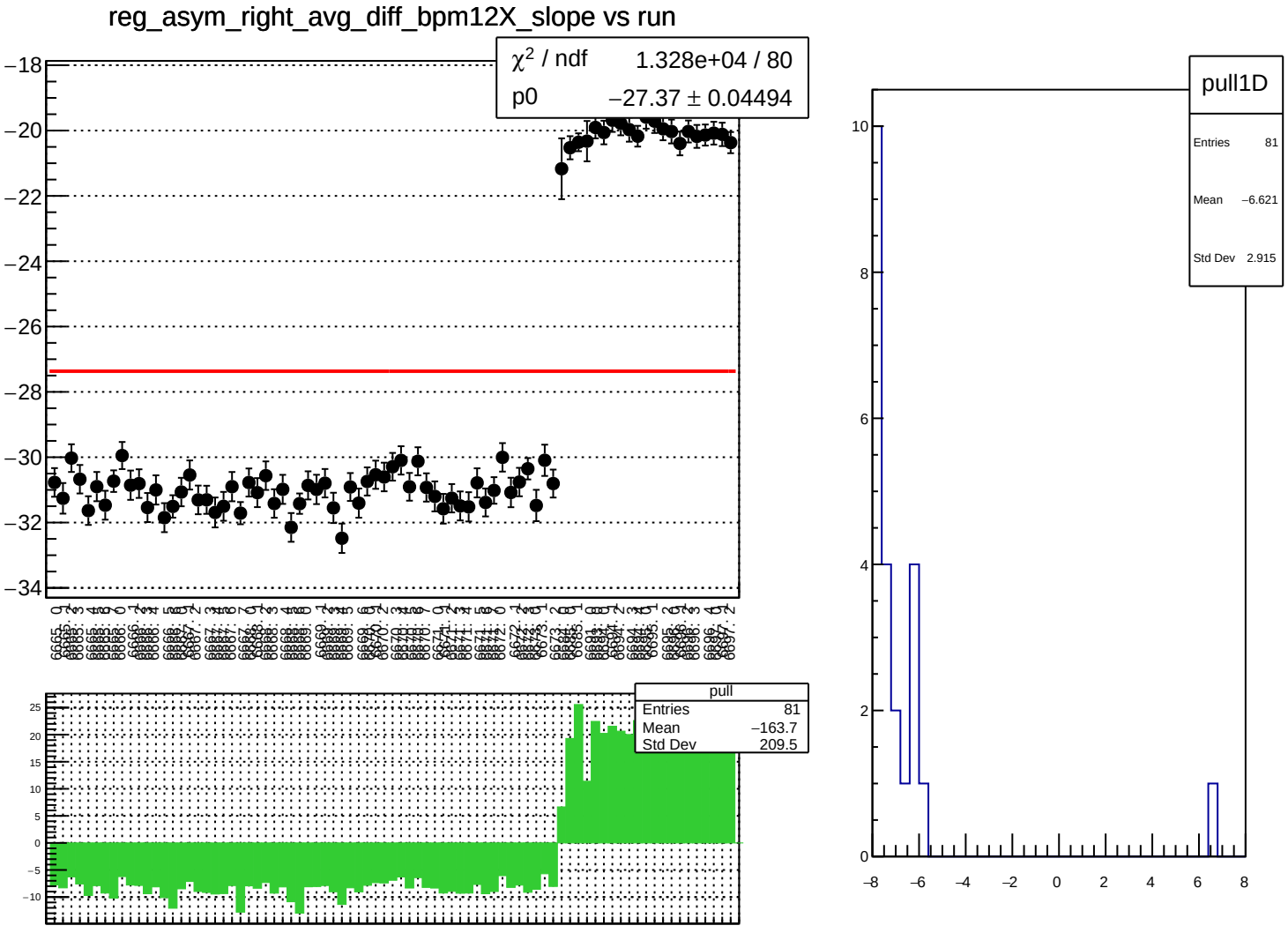

pull1D
Entries 81
Mean −0.01652
Std Dev 0.7587

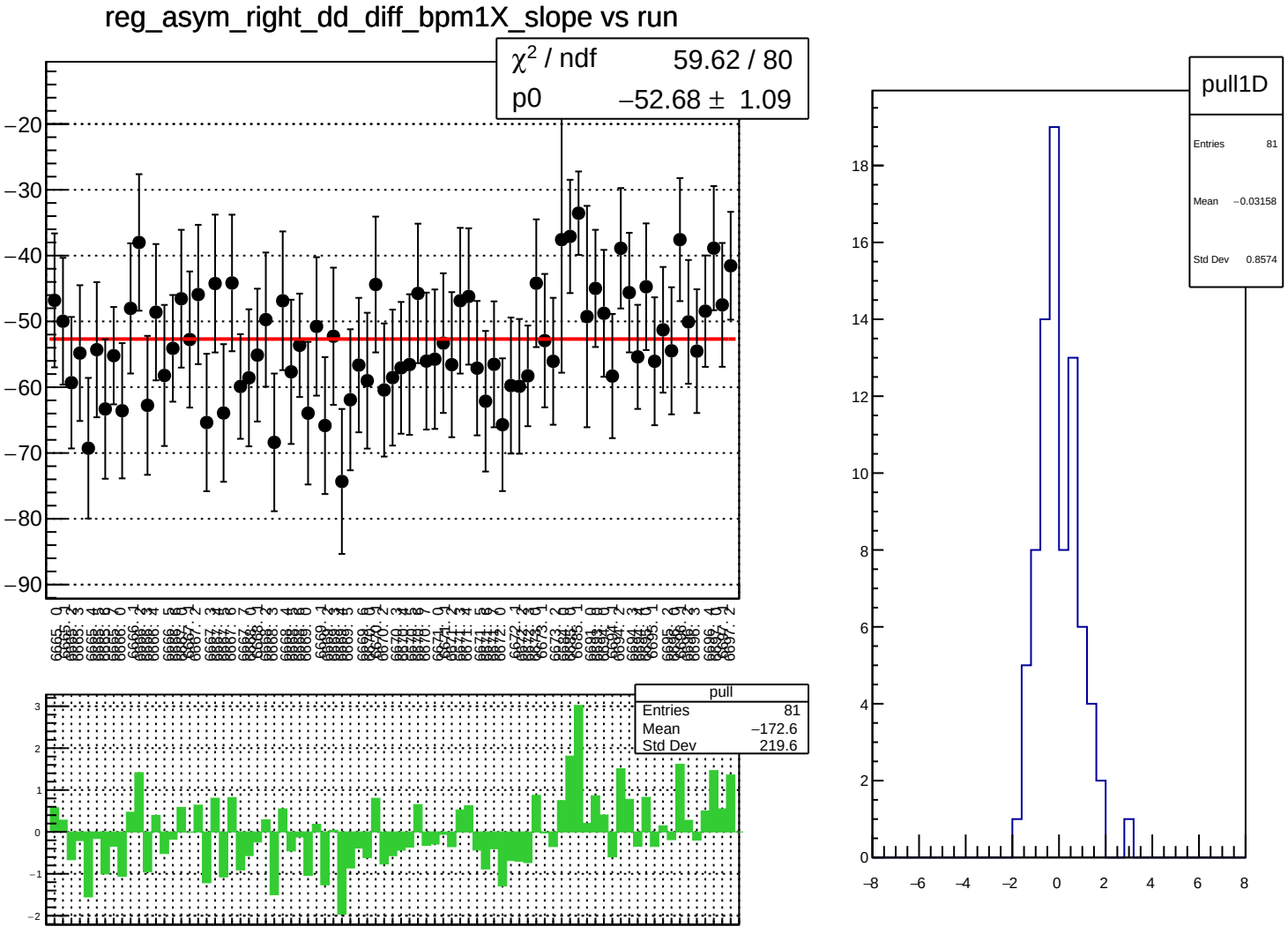

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 107.2 / 80
p0 85.93 ± 1.137
pull
Entries 81
Mean −100.1
Std Dev 145.1

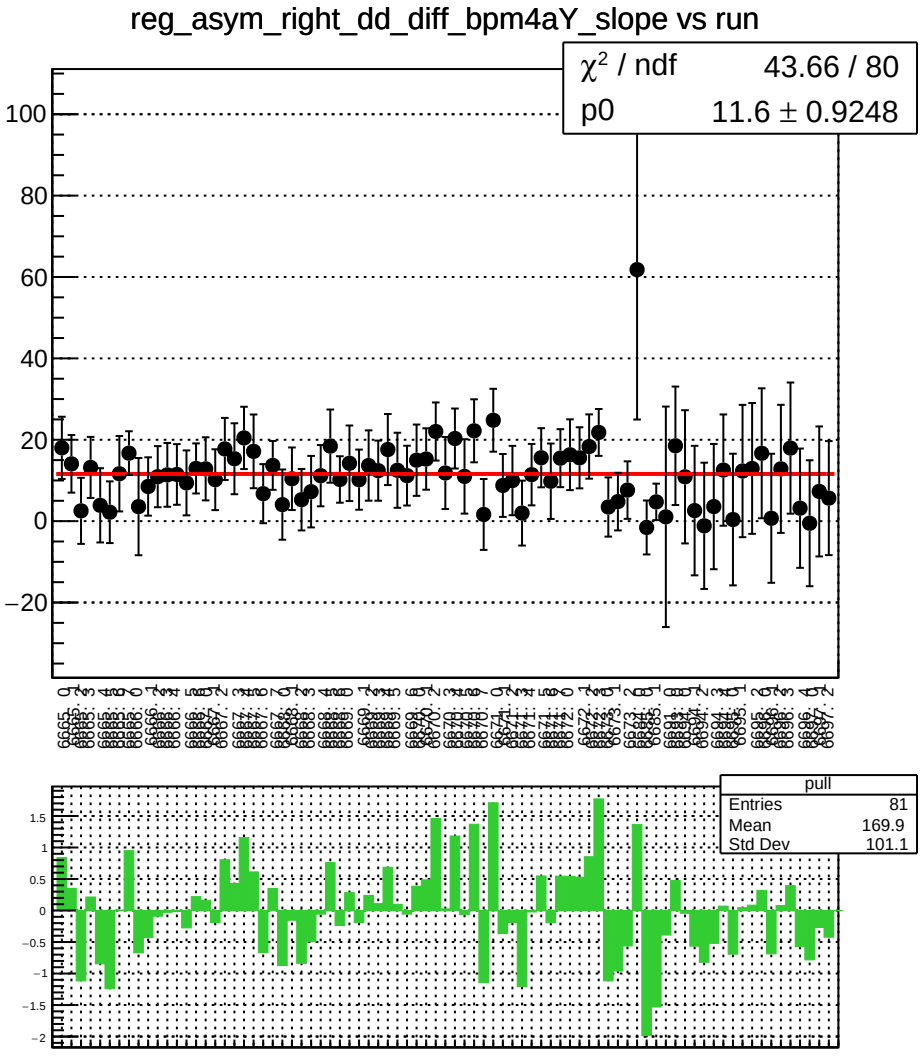

pull1D
Entries 81
Mean 0.1055
Std Dev 1.145

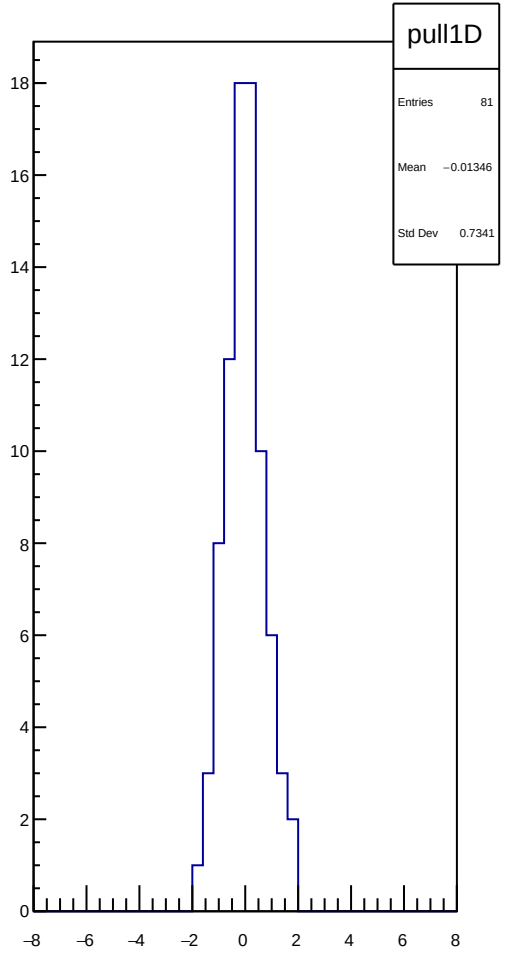

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.4 / 80
p0 −4.861 ± 1.059
pull
Entries 81
Mean 302.9
Std Dev 246.8

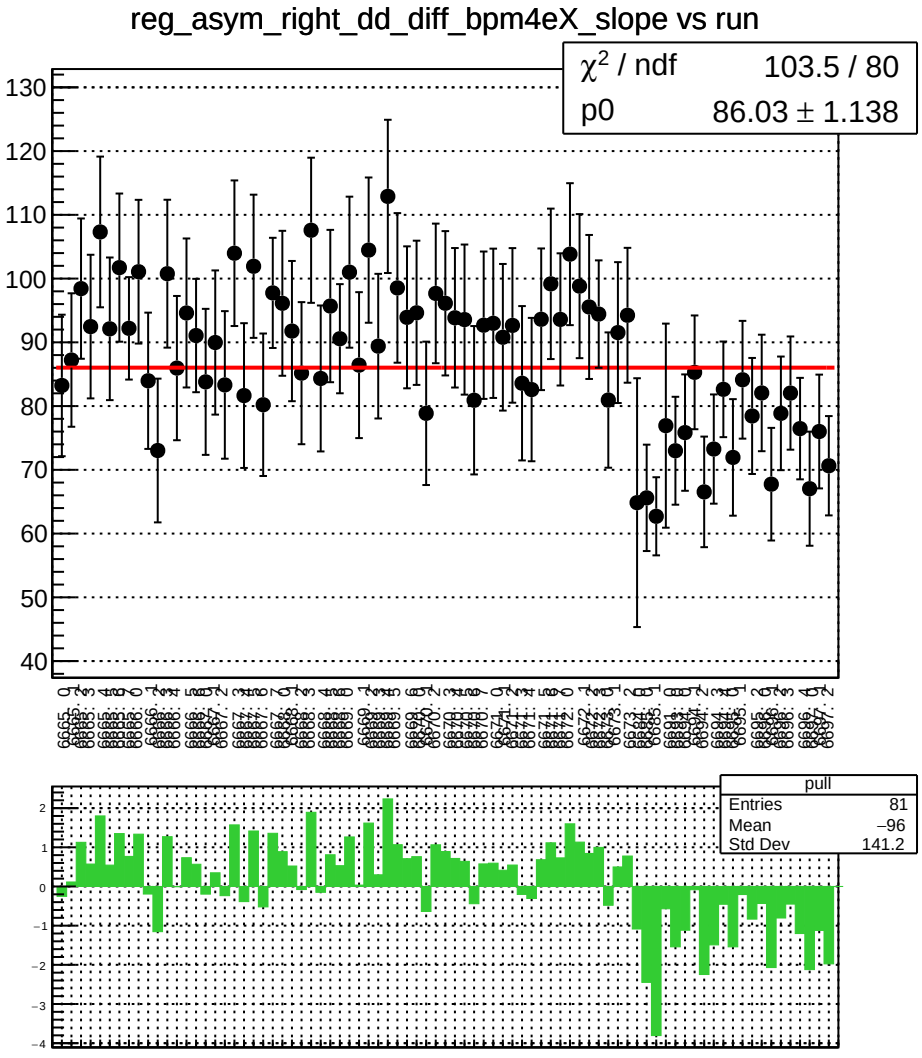

pull1D
Entries 81
Mean 0.01251
Std Dev 0.7729

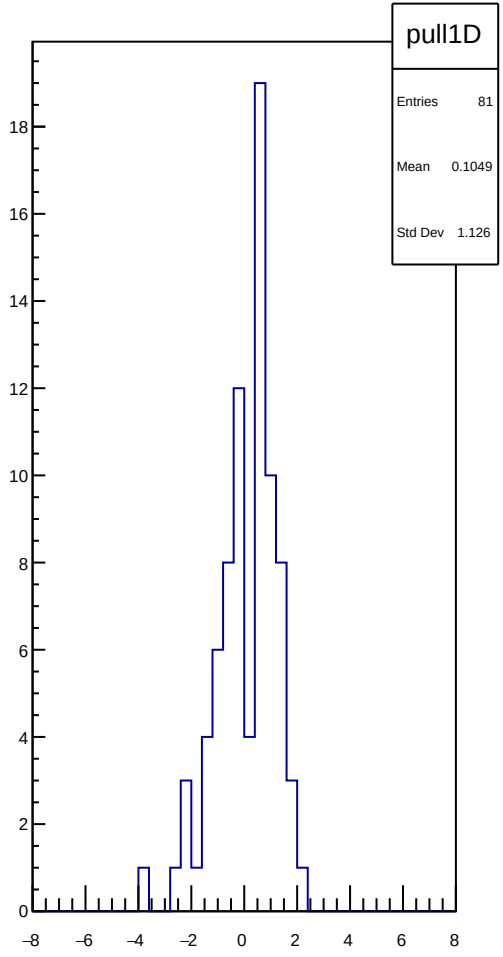

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.328e+04 / 80
p0 −27.37 ± 0.04494
pull
Entries 81
Mean −163.7
Std Dev 209.5
pull1D
Entries 81
Mean −6.621
Std Dev 2.915

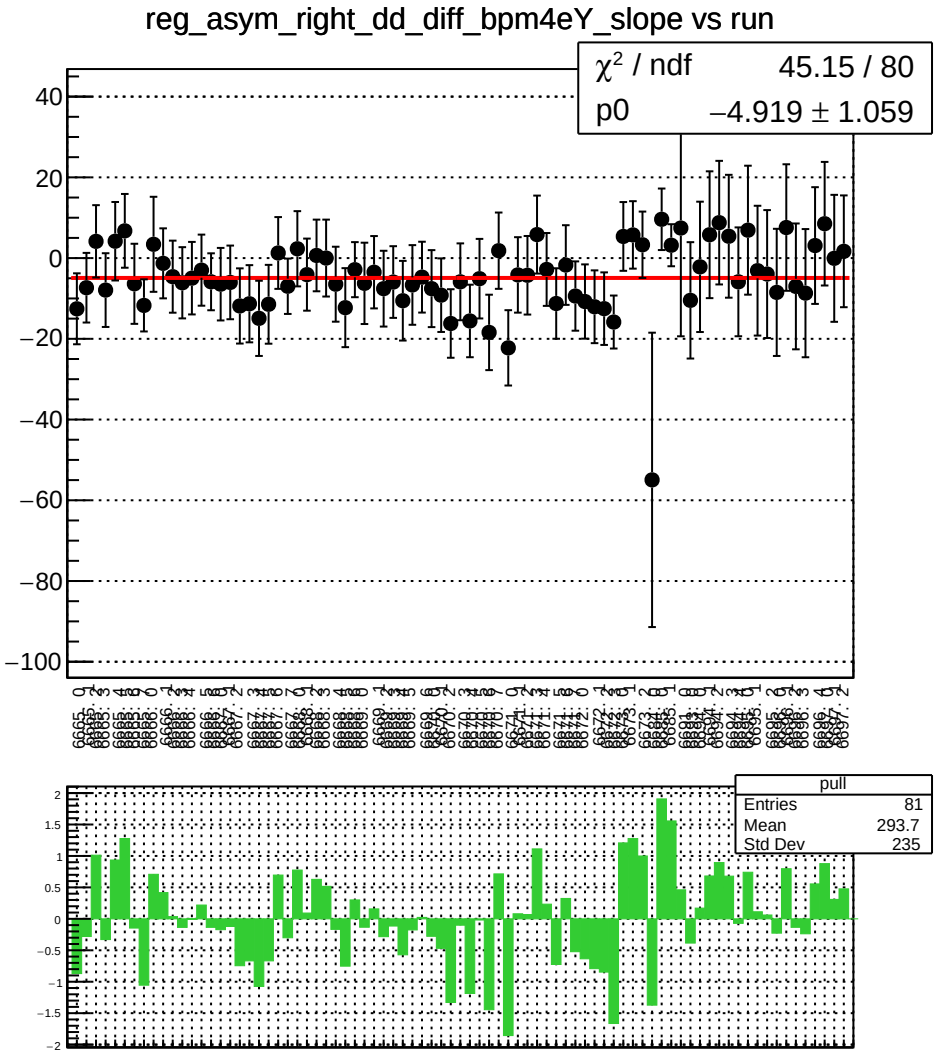

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 59.62 / 80
p0 −52.68 ± 1.09
pull
Entries 81
Mean −172.6
Std Dev 219.6
pull1D
Entries 81
Mean −0.03158
Std Dev 0.8574

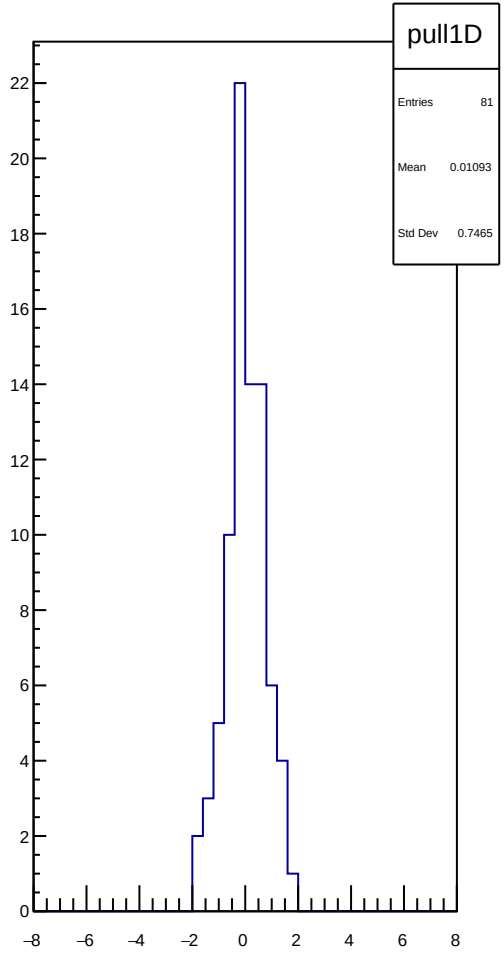

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 43.66 / 80
p0 11.6 ± 0.9248
pull
Entries 81
Mean 169.9
Std Dev 101.1

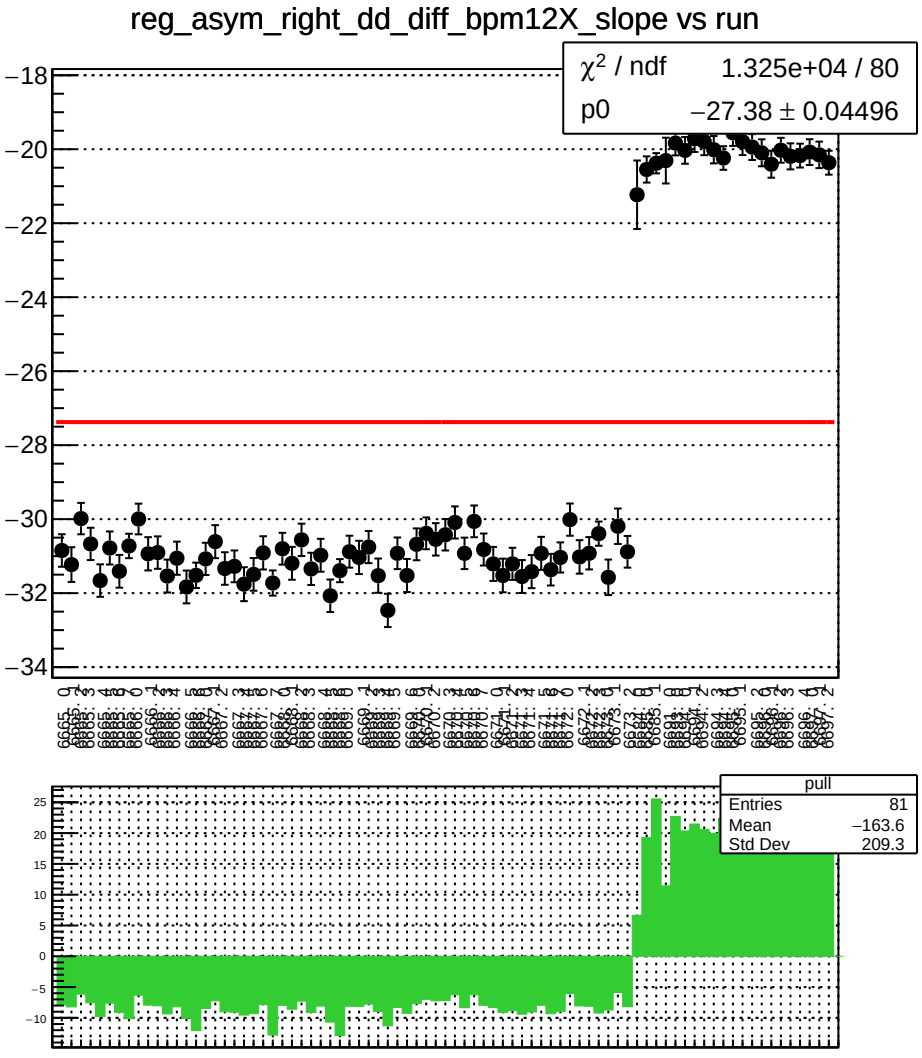

pull1D
Entries 81
Mean −0.01346
Std Dev 0.7341

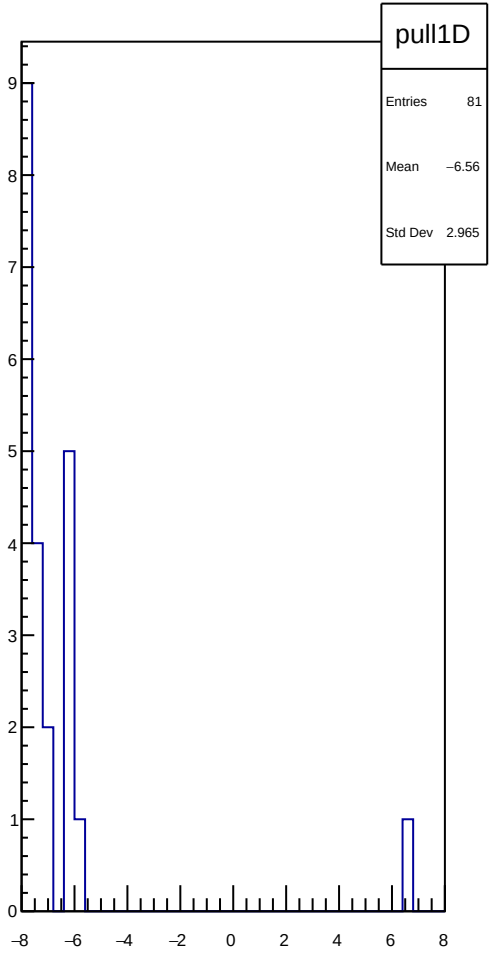

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 103.5 / 80
p0 86.03 ± 1.138
pull
Entries 81
Mean −96
Std Dev 141.2


pull1D
Entries 81
Mean 0.1049
Std Dev 1.126

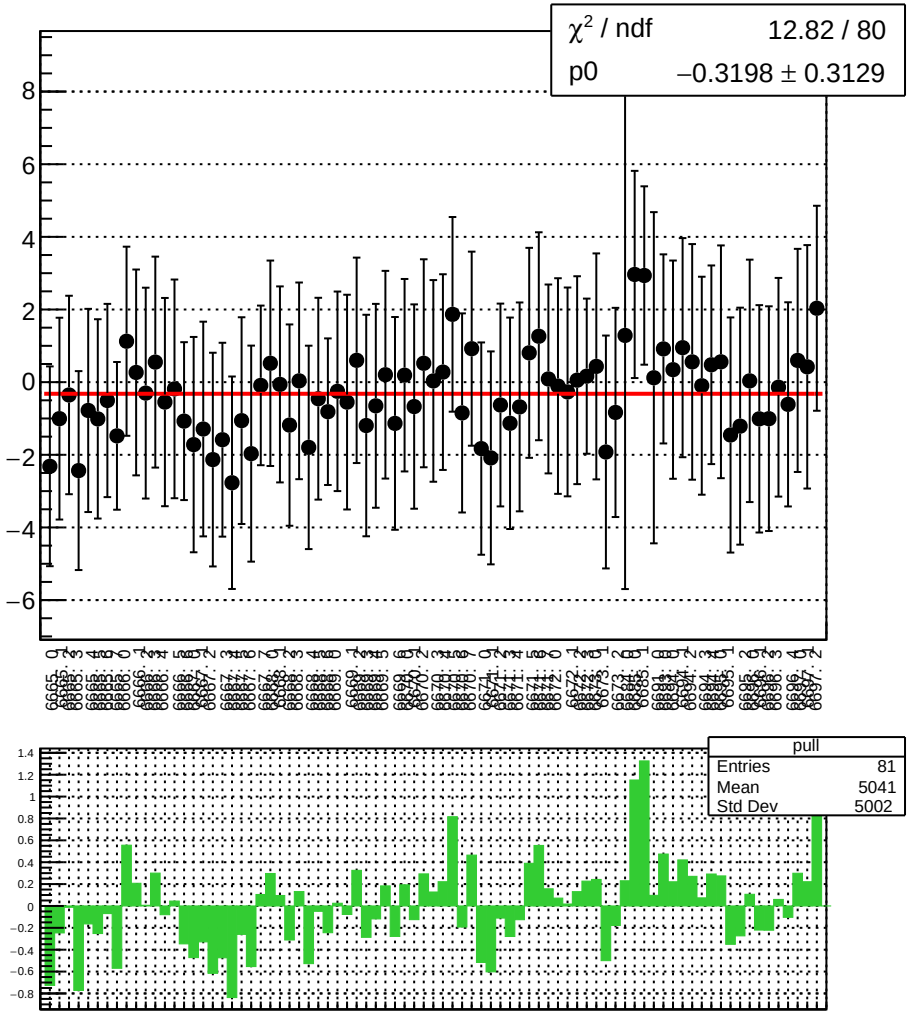

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.15 / 80
p0 −4.919 ± 1.059
pull
Entries 81
Mean 293.7
Std Dev 235

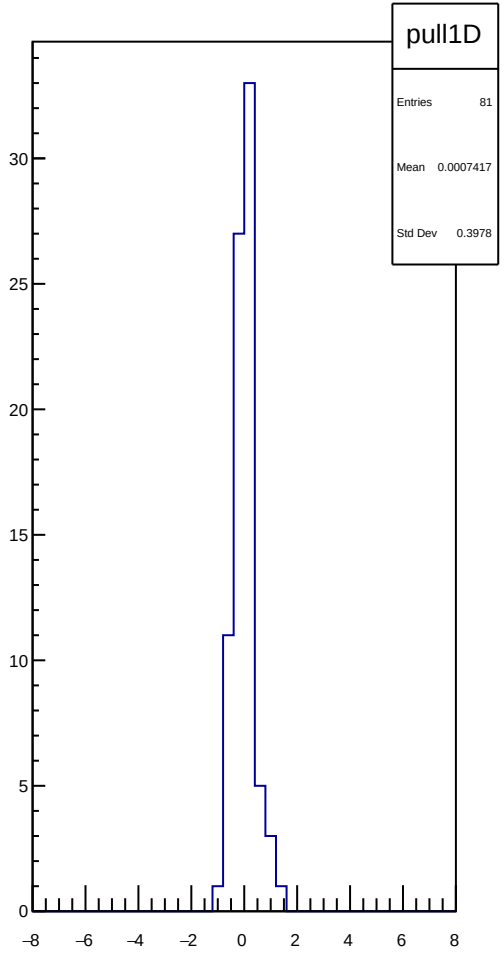

pull1D
Entries 81
Mean 0.01093
Std Dev 0.7465

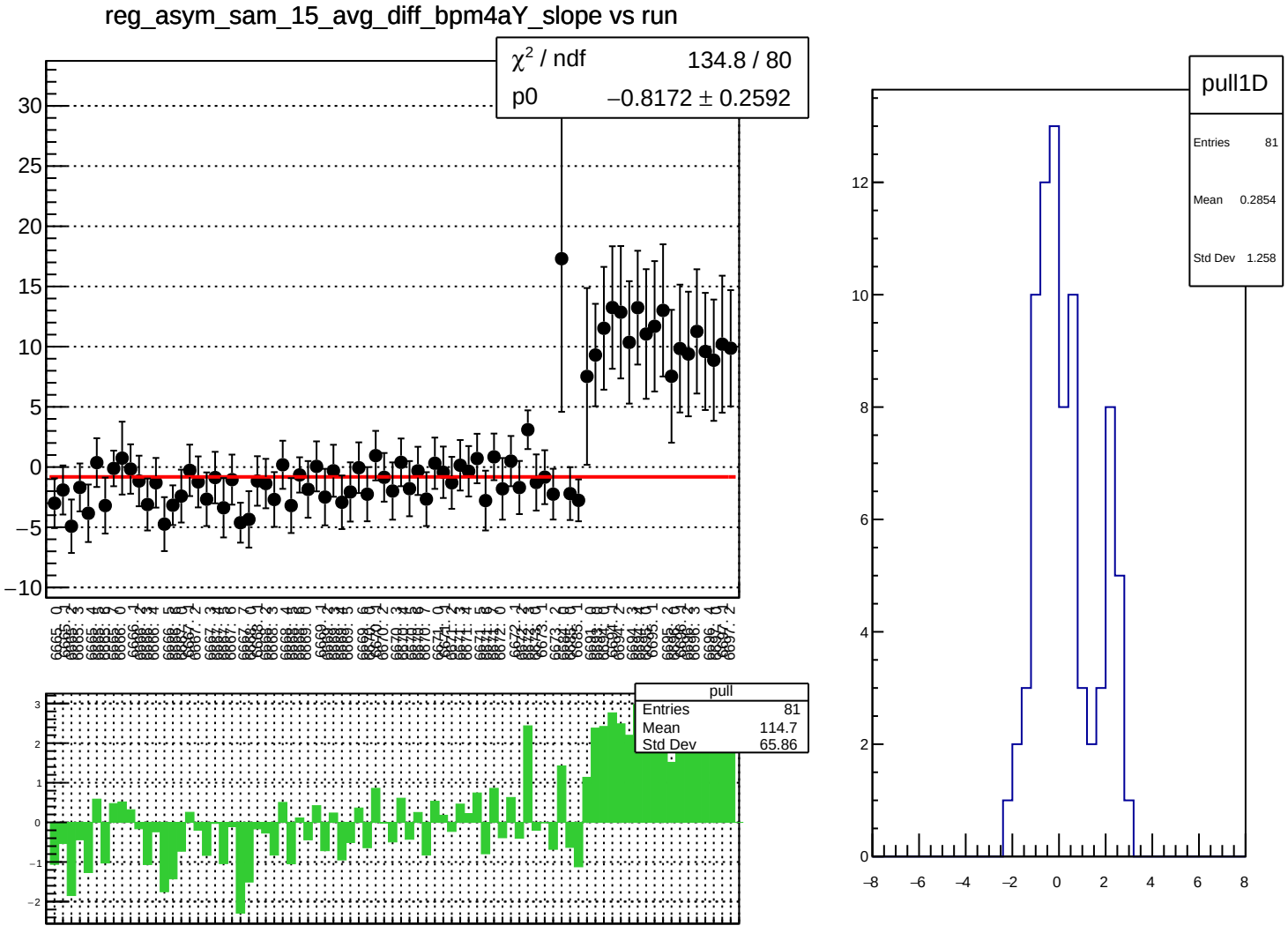

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 1.325e+04 / 80
p0 −27.38 ± 0.04496
pull
Entries 81
Mean −163.6
Std Dev 209.3

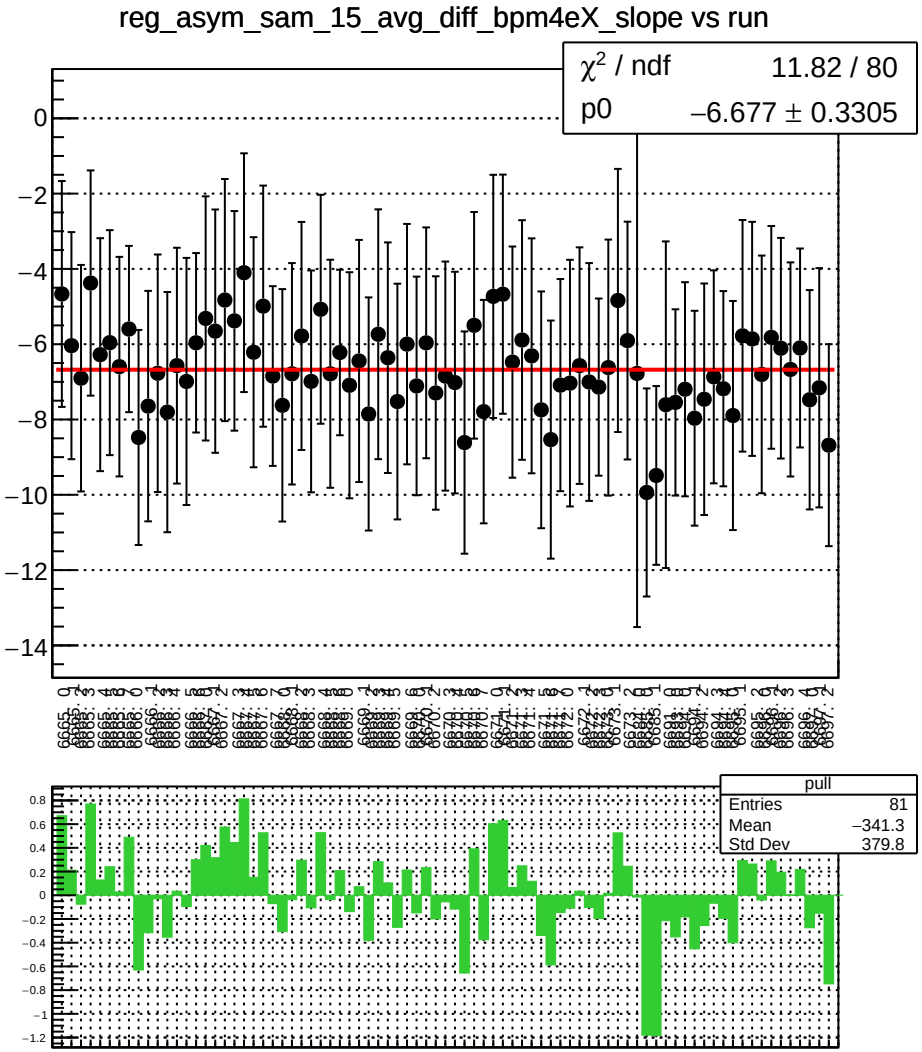

pull1D
Entries 81
Mean −6.56
Std Dev 2.965

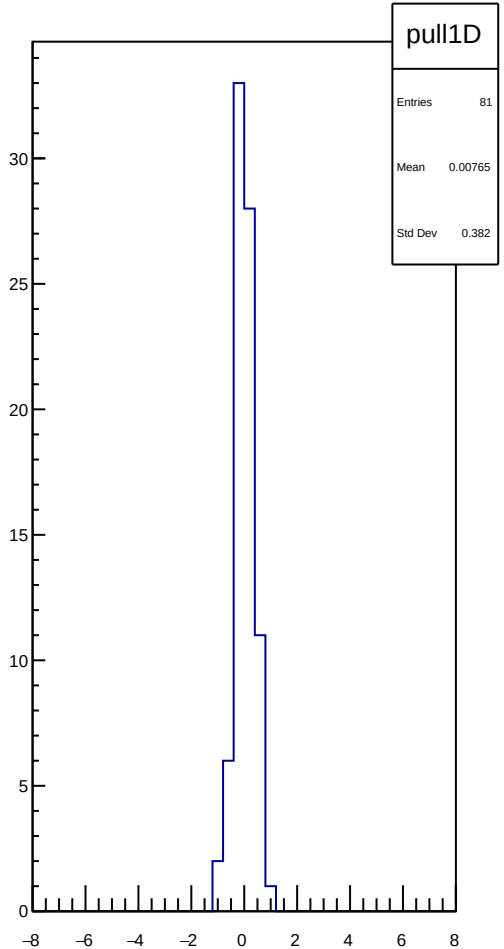
reg_asym_sam_15_avg_diff_bpm1X_slope vs run

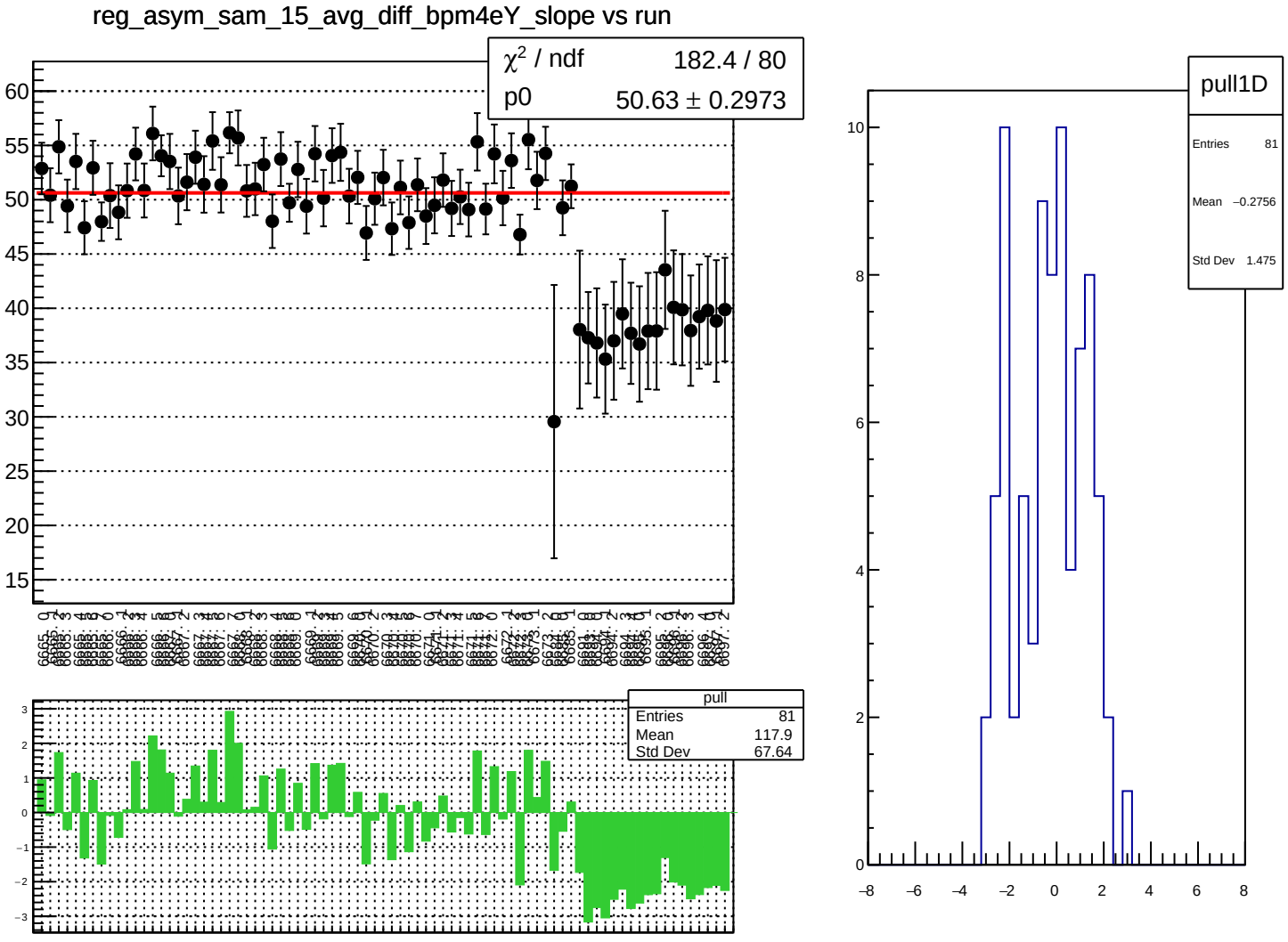


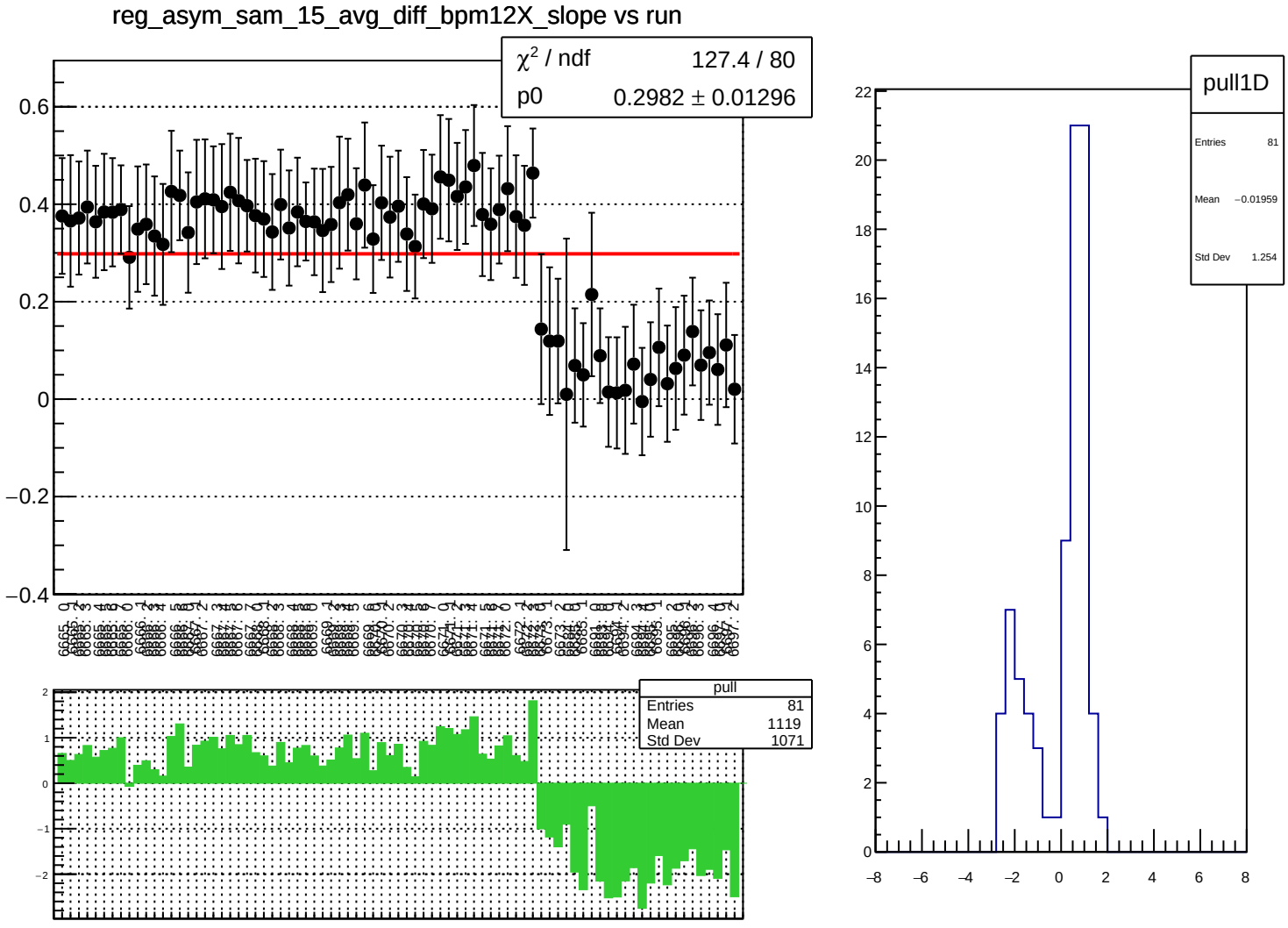


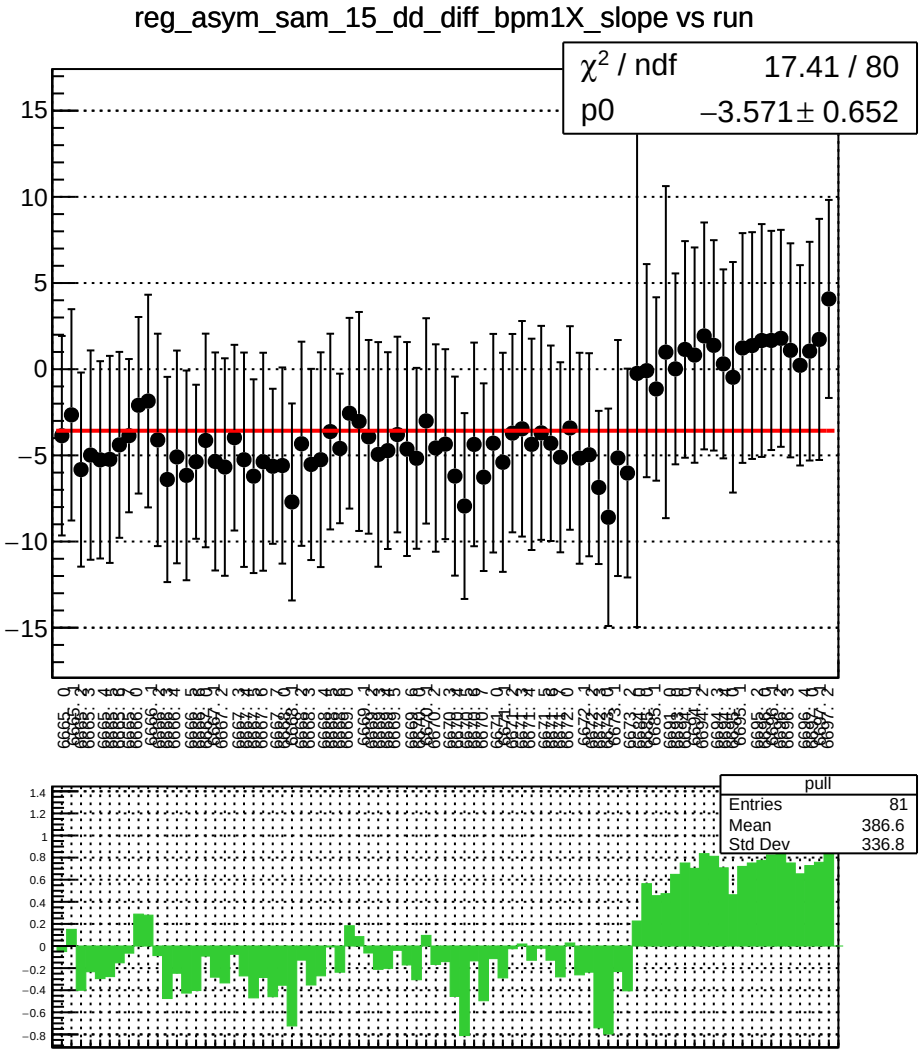

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 134.8 / 80
p0 −0.8172 ± 0.2592
pull
Entries 81
Mean 114.7
Std Dev 65.86
pull1D
Entries 81
Mean 0.2854
Std Dev 1.258

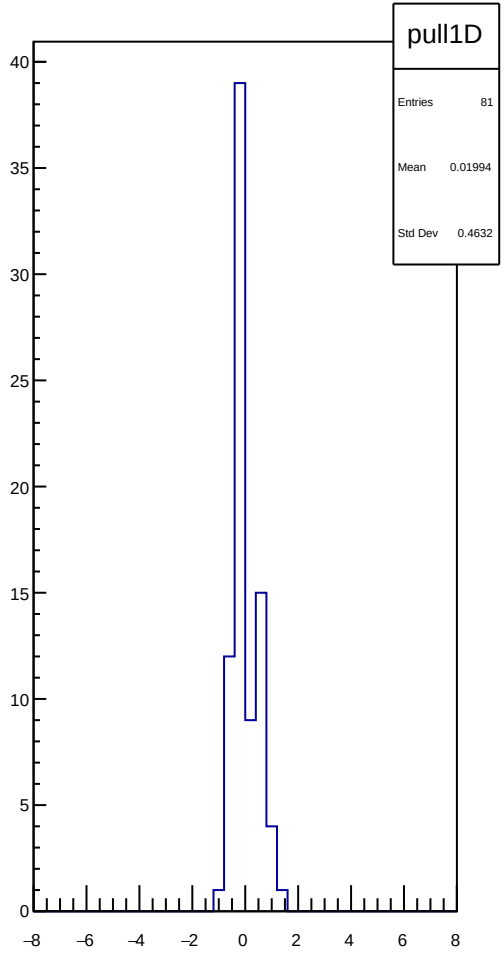

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.82 / 80
p0 −6.677 ± 0.3305
pull
Entries 81
Mean −341.3
Std Dev 379.8

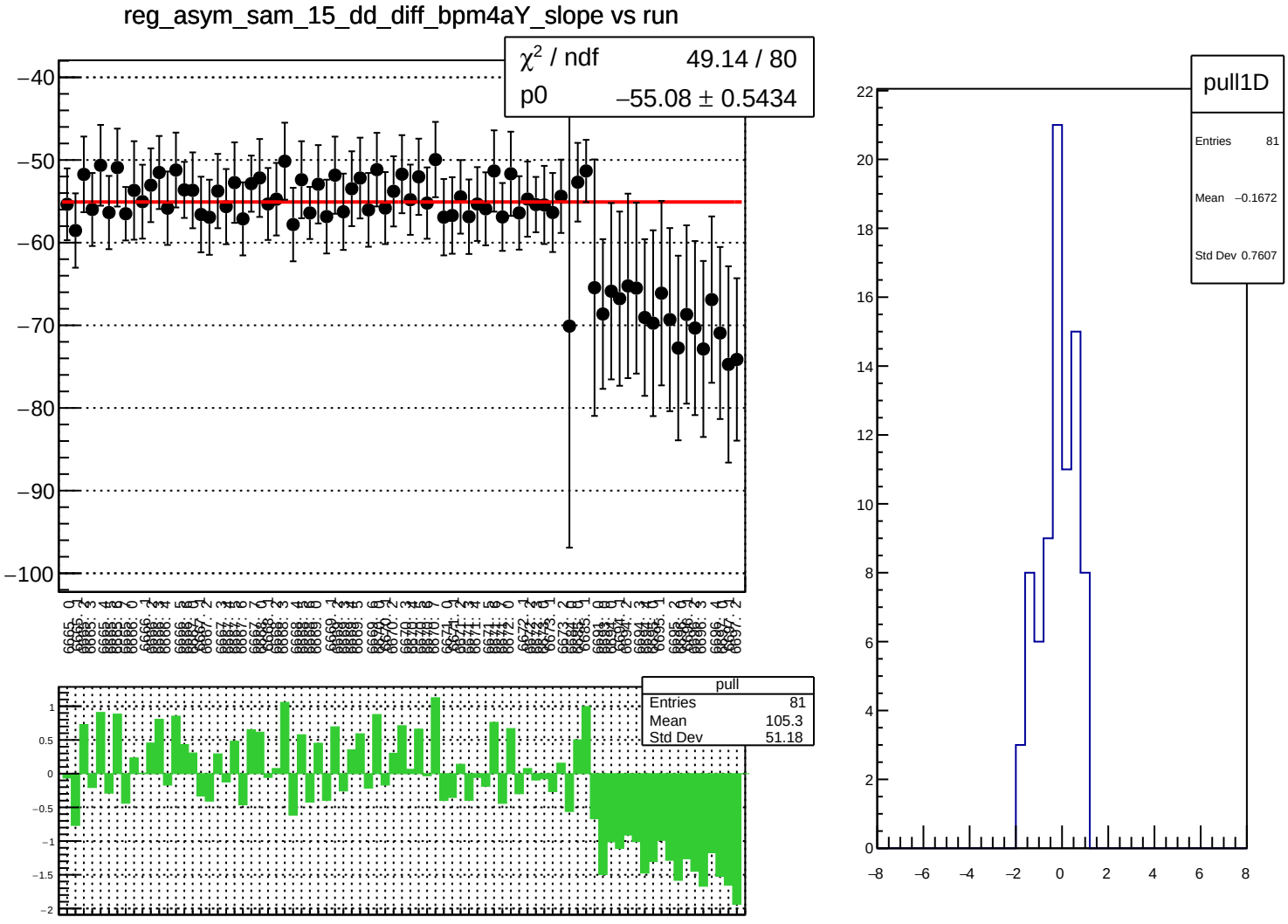

pull1D
Entries 81
Mean 0.00765
Std Dev 0.382

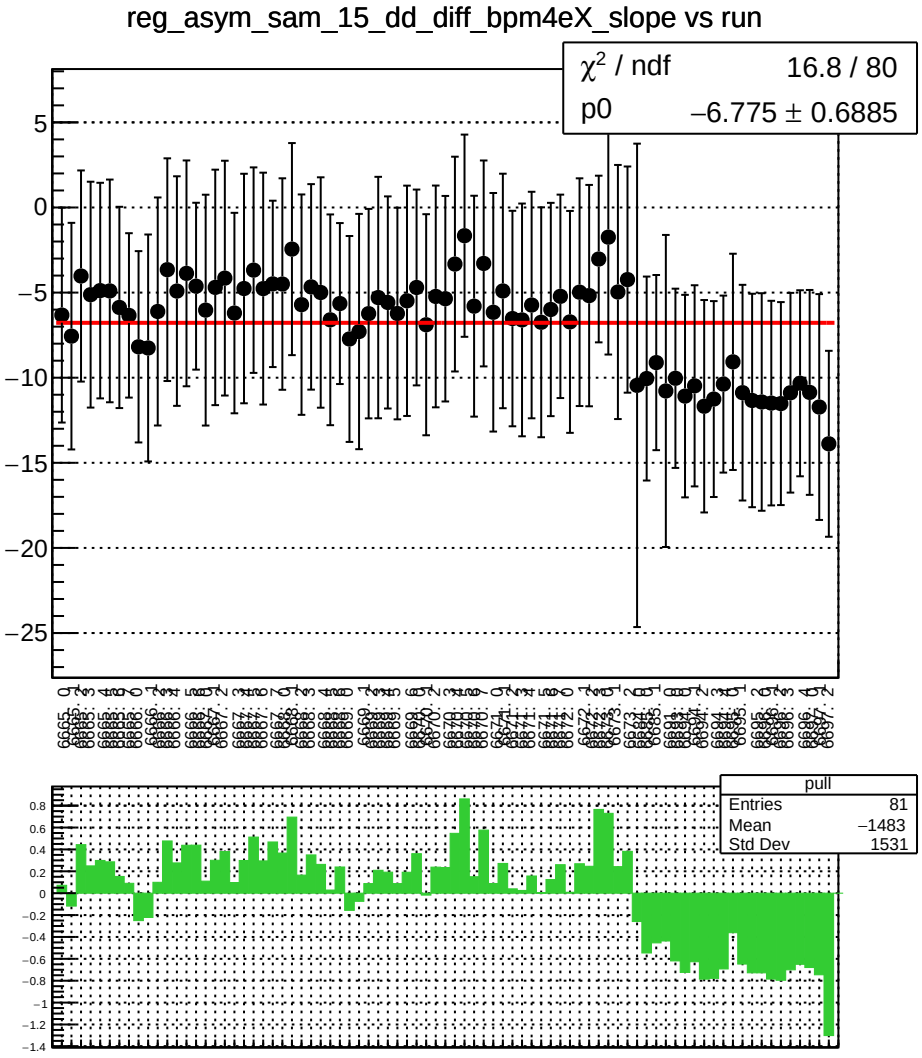

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 182.4 / 80
p0 50.63 ± 0.2973
pull
Entries 81
Mean 117.9
Std Dev 67.64
pull1D
Entries 81
Mean −0.2756
Std Dev 1.475

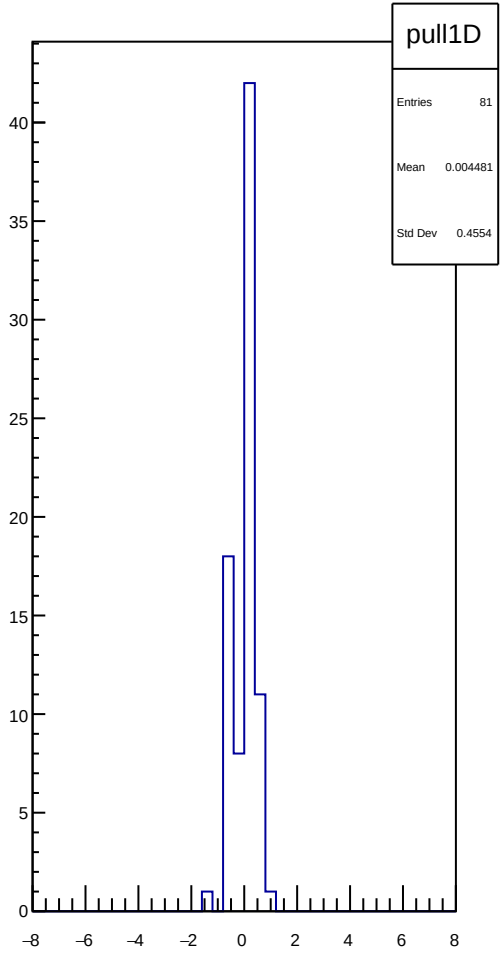

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 127.4 / 80
p0 0.2982 ± 0.01296
pull
Entries 81
Mean 1119
Std Dev 1071
pull1D
Entries 81
Mean −0.01959
Std Dev 1.254


reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 17.41 / 80
p0 −3.571 ± 0.652
pull
Entries 81
Mean 386.6
Std Dev 336.8

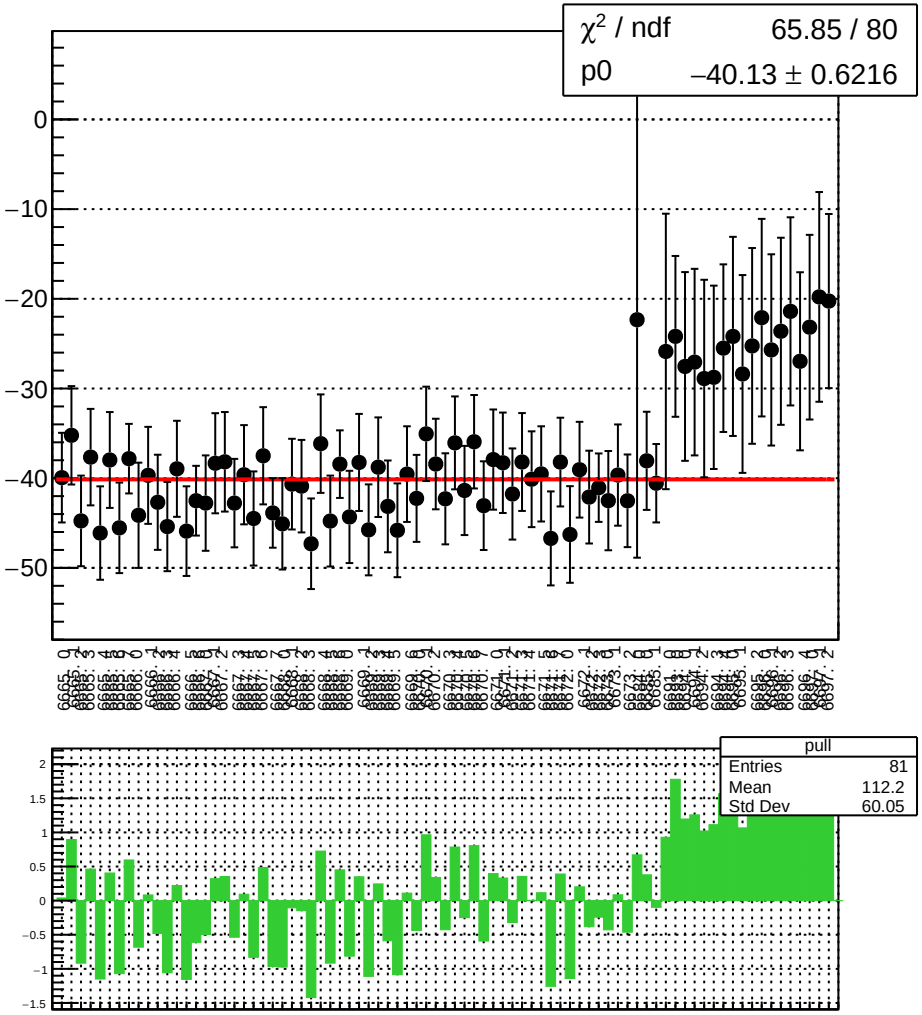

pull1D
Entries 81
Mean 0.01994
Std Dev 0.4632

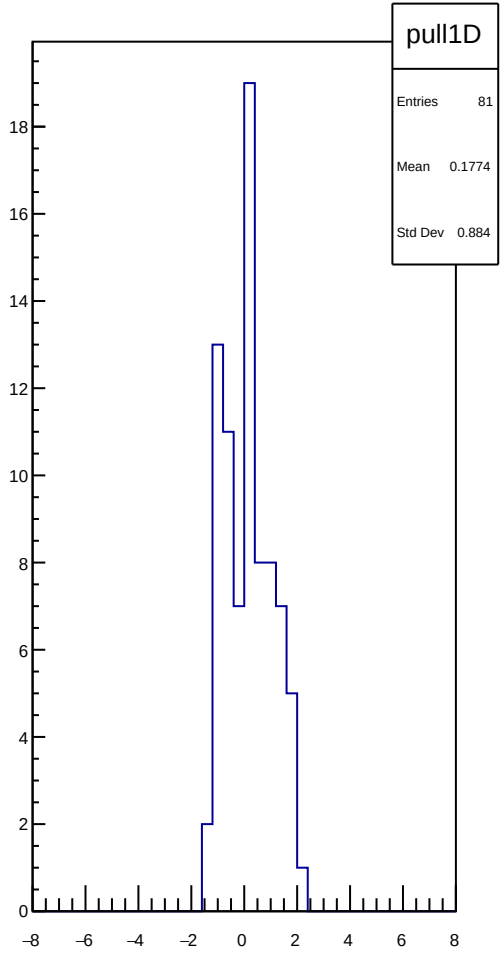

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.14 / 80
p0 −55.08 ± 0.5434
pull
Entries 81
Mean 105.3
Std Dev 51.18
pull1D
Entries 81
Mean −0.1672
Std Dev 0.7607

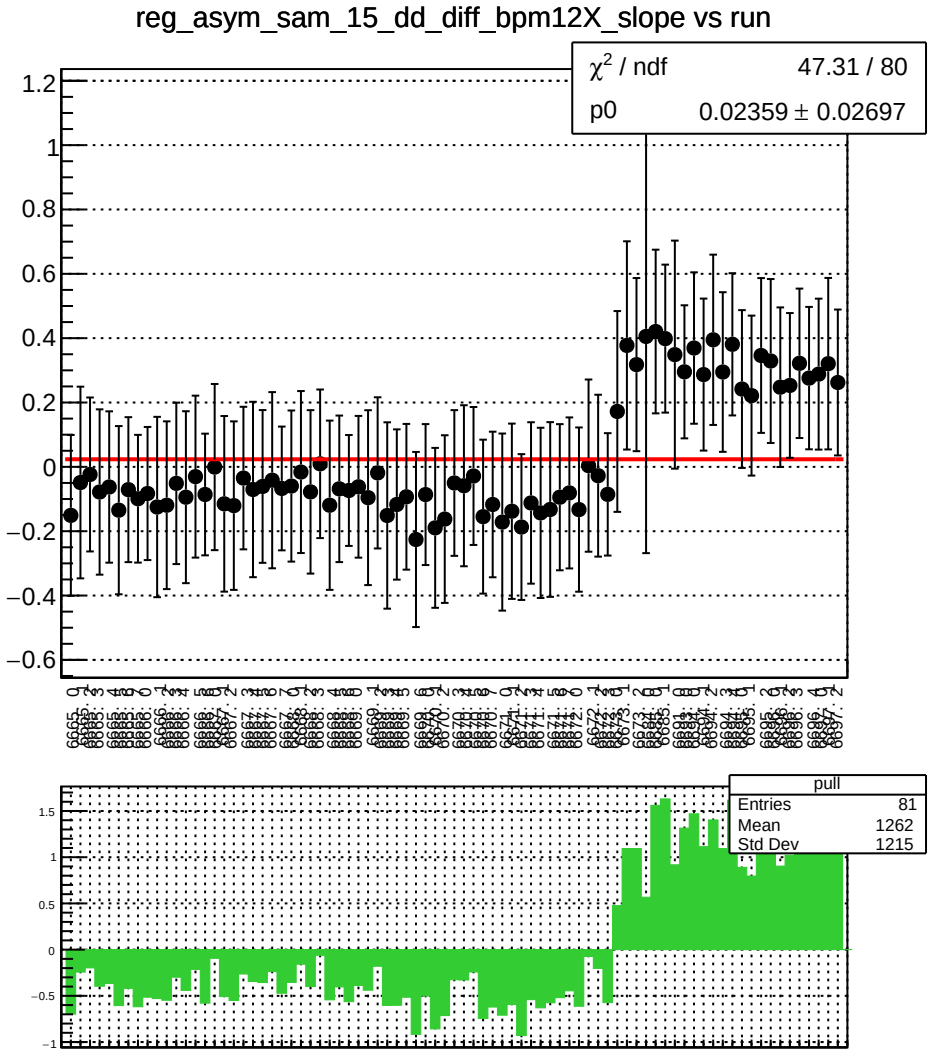

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.8 / 80
p0 −6.775 ± 0.6885
pull
Entries 81
Mean −1483
Std Dev 1531

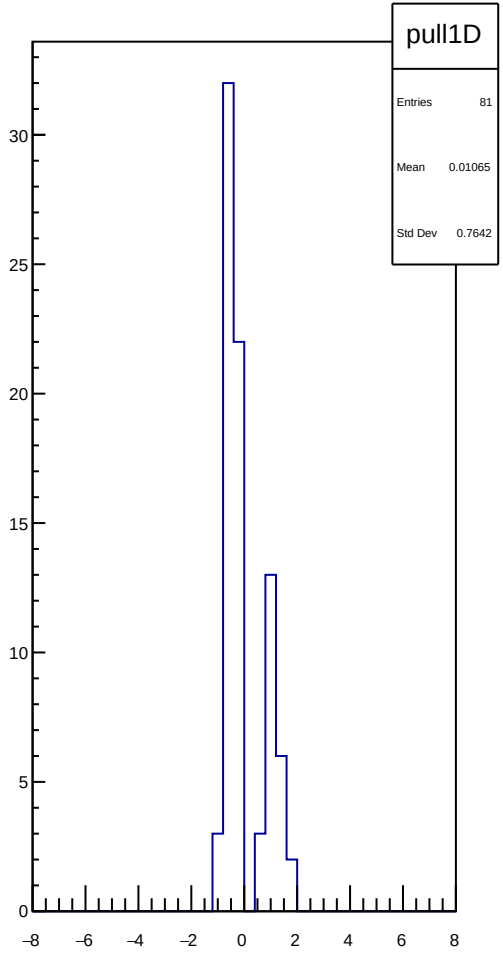

pull1D
Entries 81
Mean 0.004481
Std Dev 0.4554

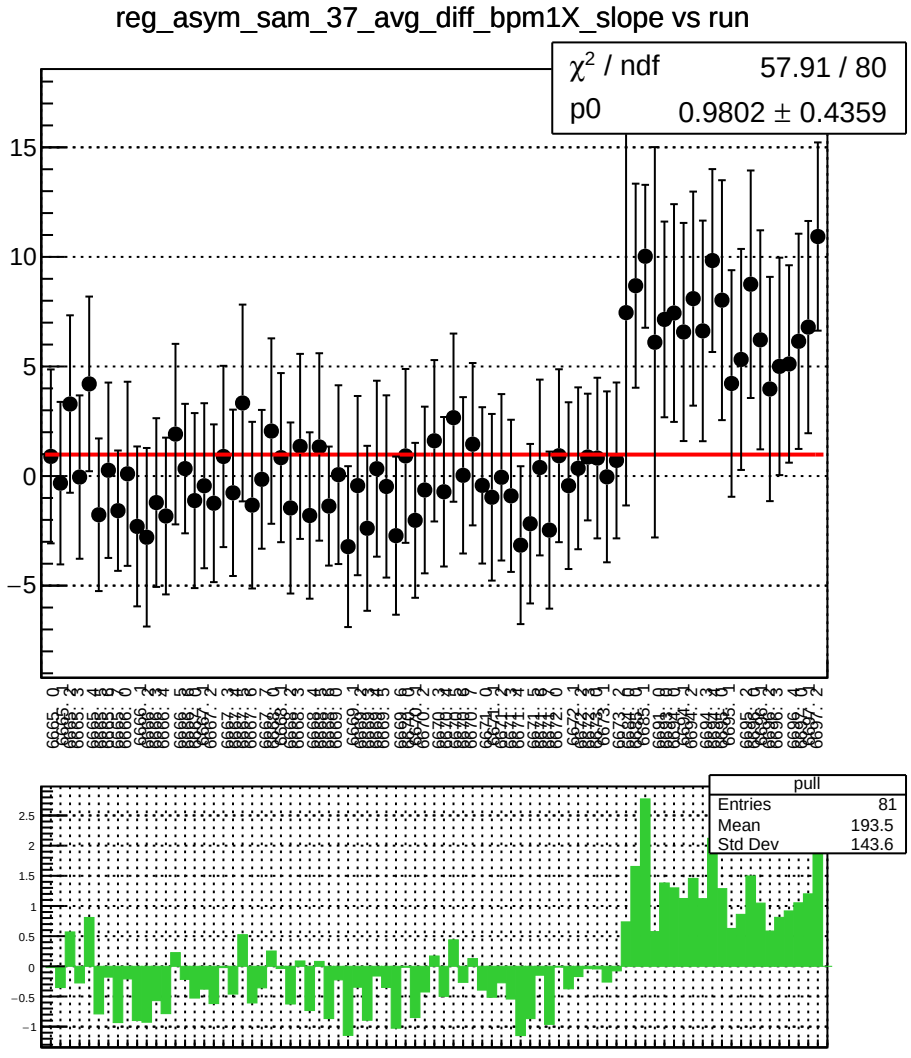
reg_asym_sam_15_dd_diff_bpm4eY_slope vs run

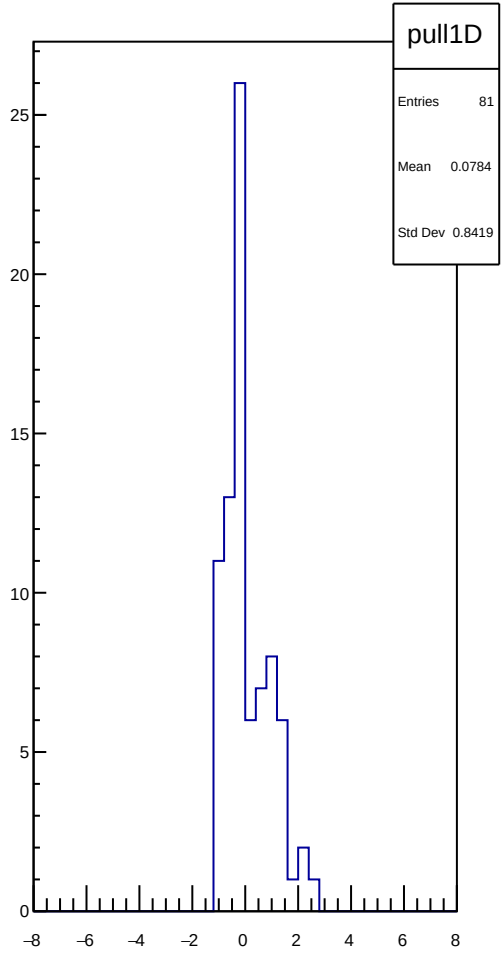


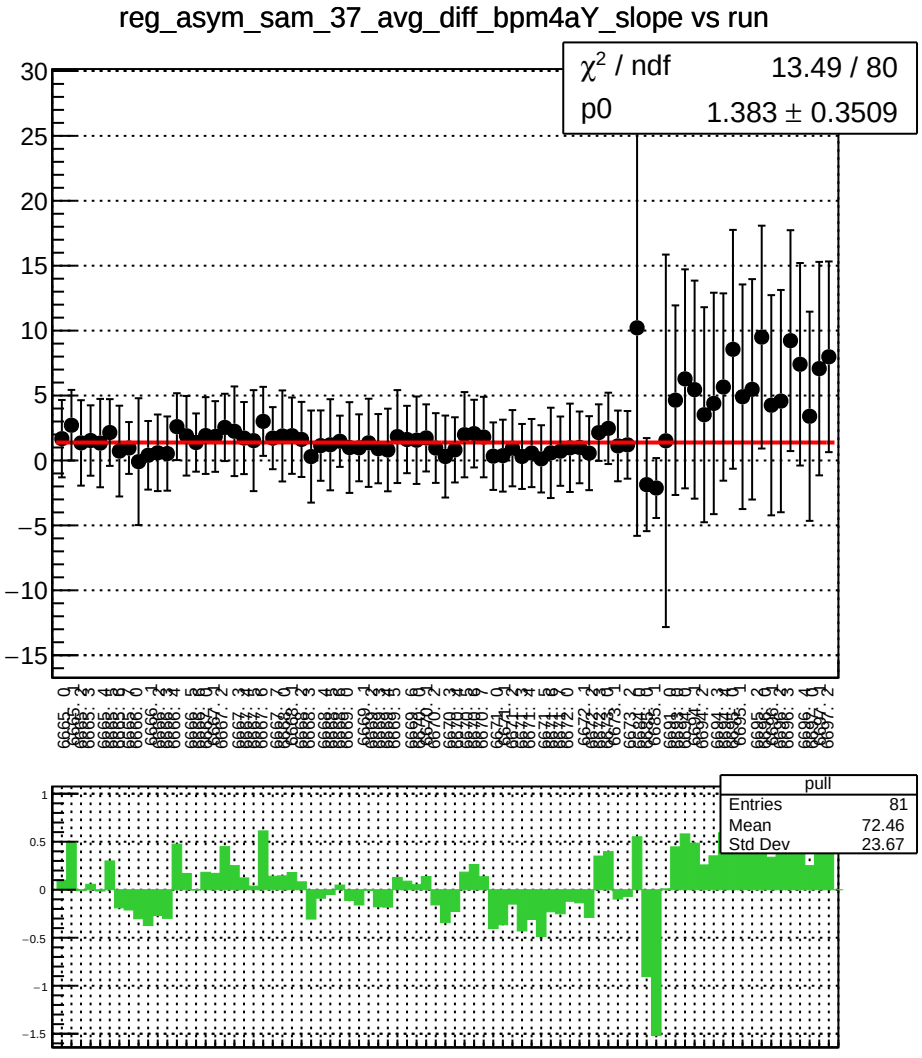


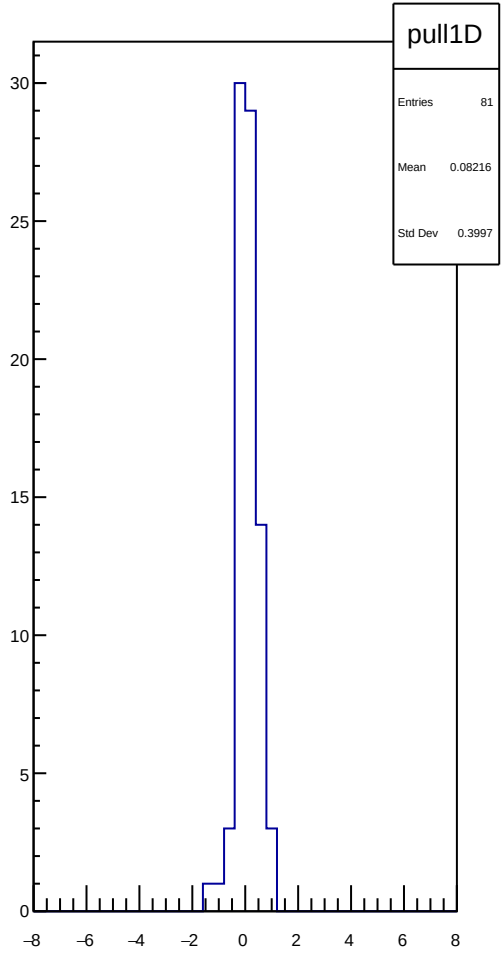

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 47.31 / 80
p0 0.02359 ± 0.02697
pull
Entries 81
Mean 1262
Std Dev 1215

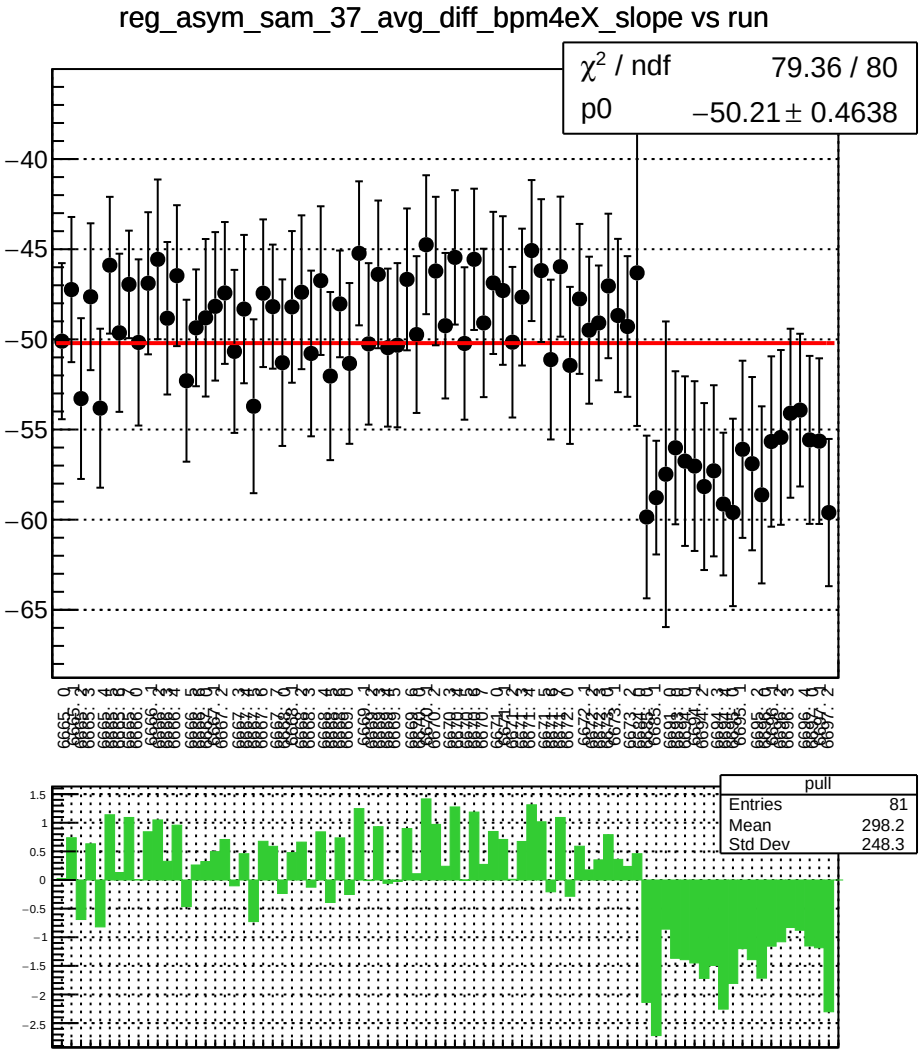

pull1D
Entries 81
Mean 0.01065
Std Dev 0.7642

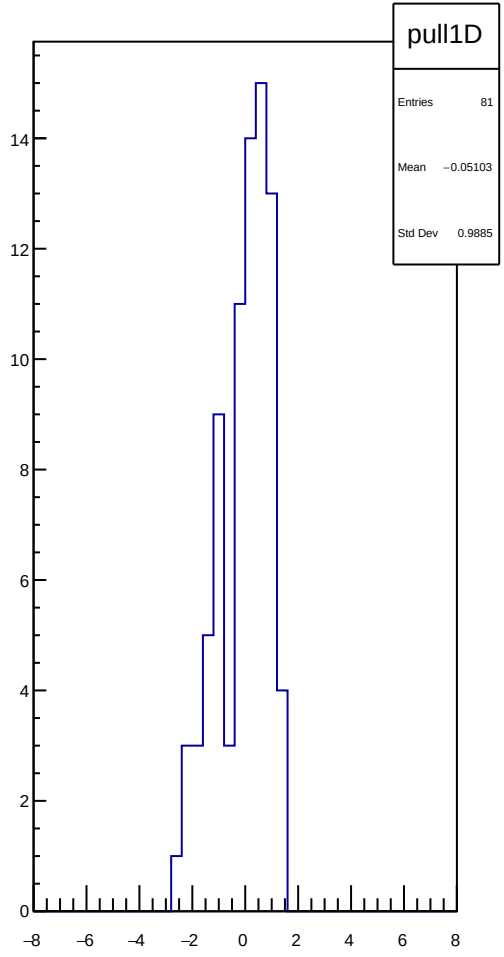

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 57.91 / 80
p0 0.9802 ± 0.4359
pull
Entries 81
Mean 193.5
Std Dev 143.6

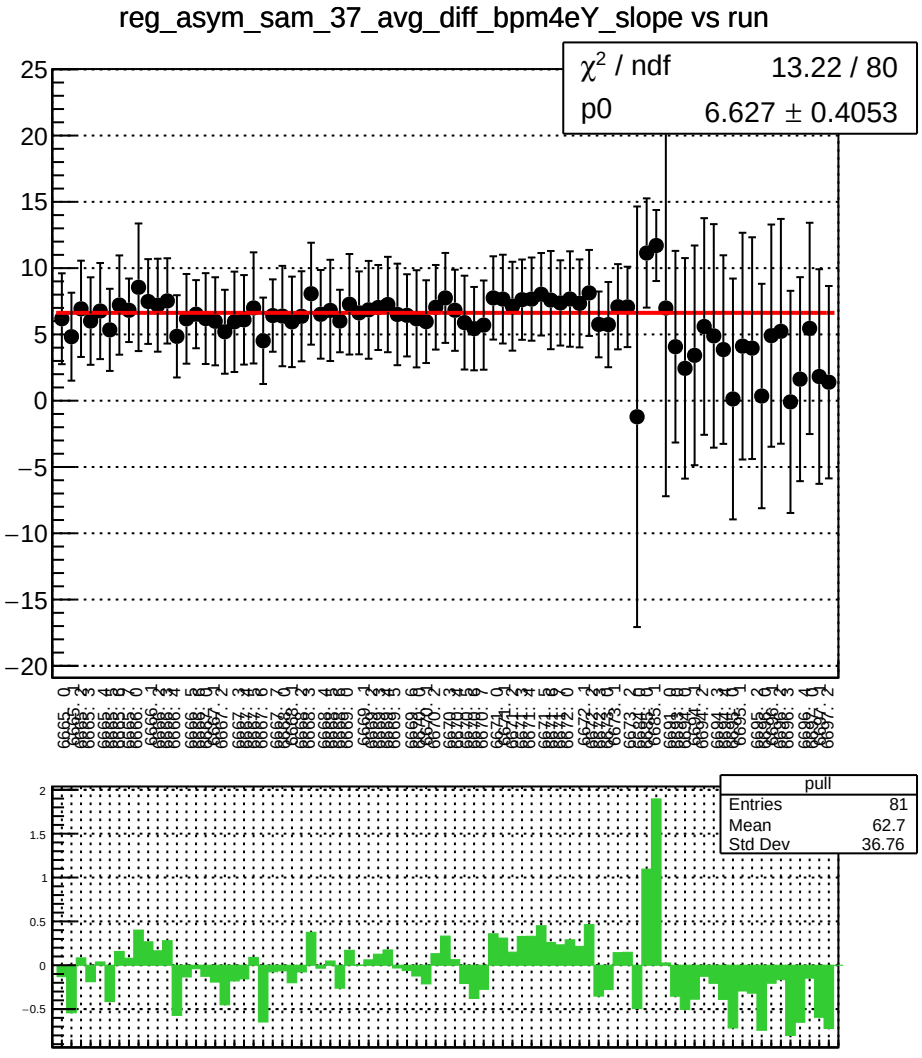

pull1D
Entries 81
Mean 0.0784
Std Dev 0.8419

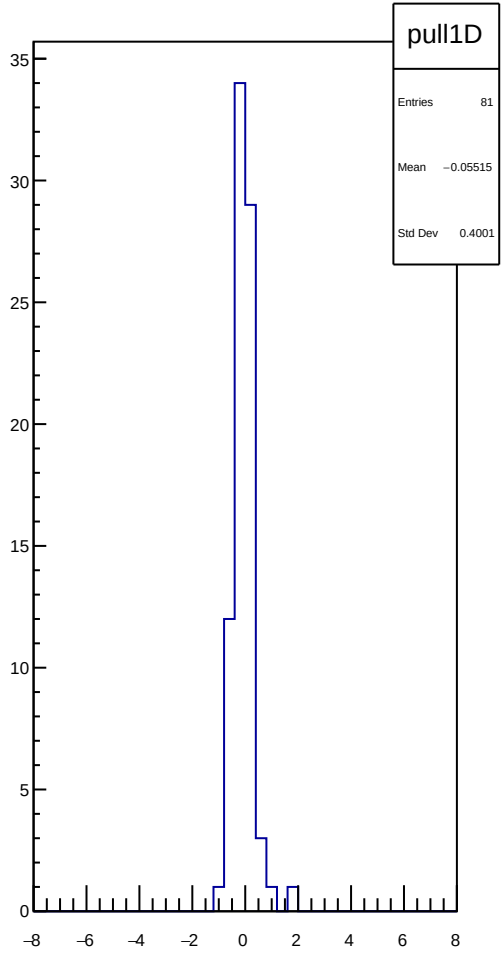

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.49 / 80
p0 1.383 ± 0.3509
pull
Entries 81
Mean 72.46
Std Dev 23.67

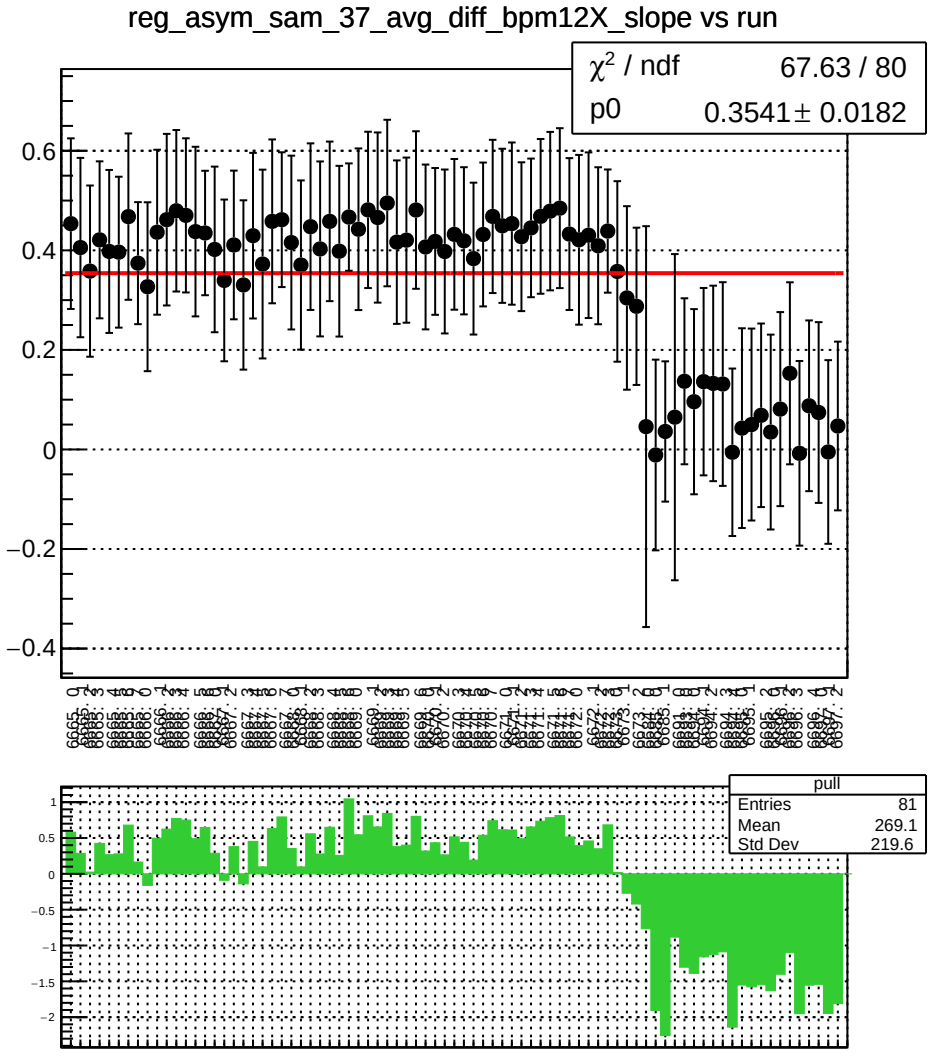

pull1D
Entries 81
Mean 0.08216
Std Dev 0.3997

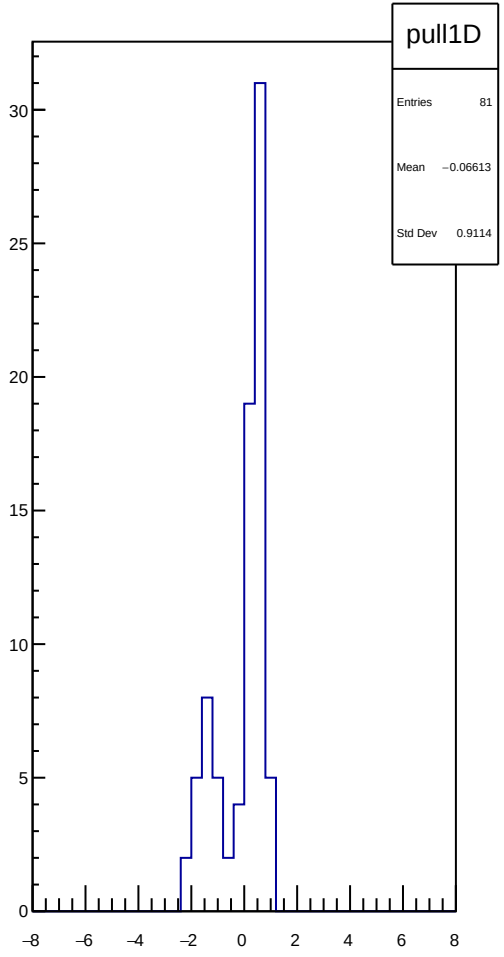

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.36 / 80
p0 −50.21 ± 0.4638
pull
Entries 81
Mean 298.2
Std Dev 248.3

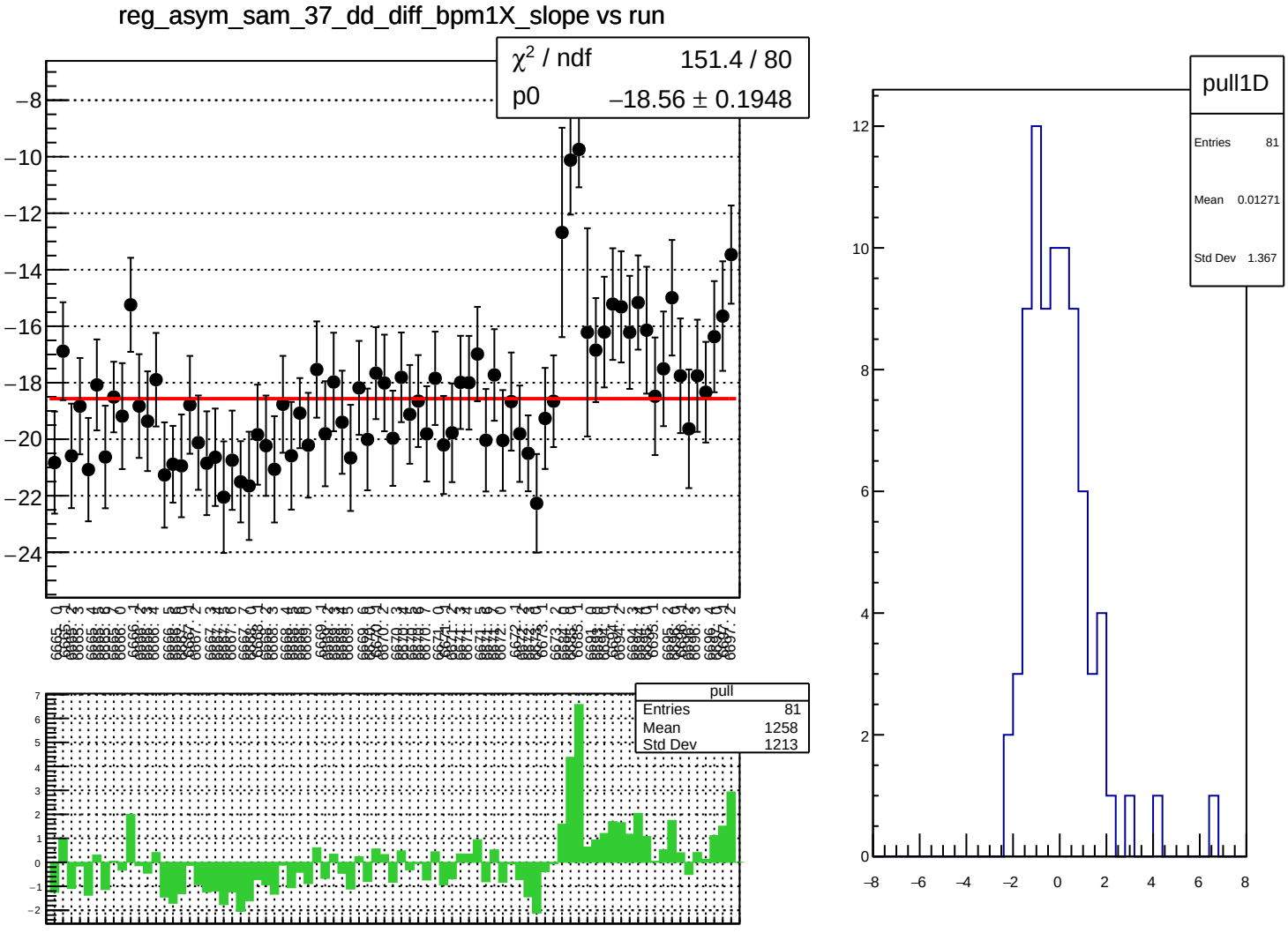

pull1D
Entries 81
Mean −0.05103
Std Dev 0.9885

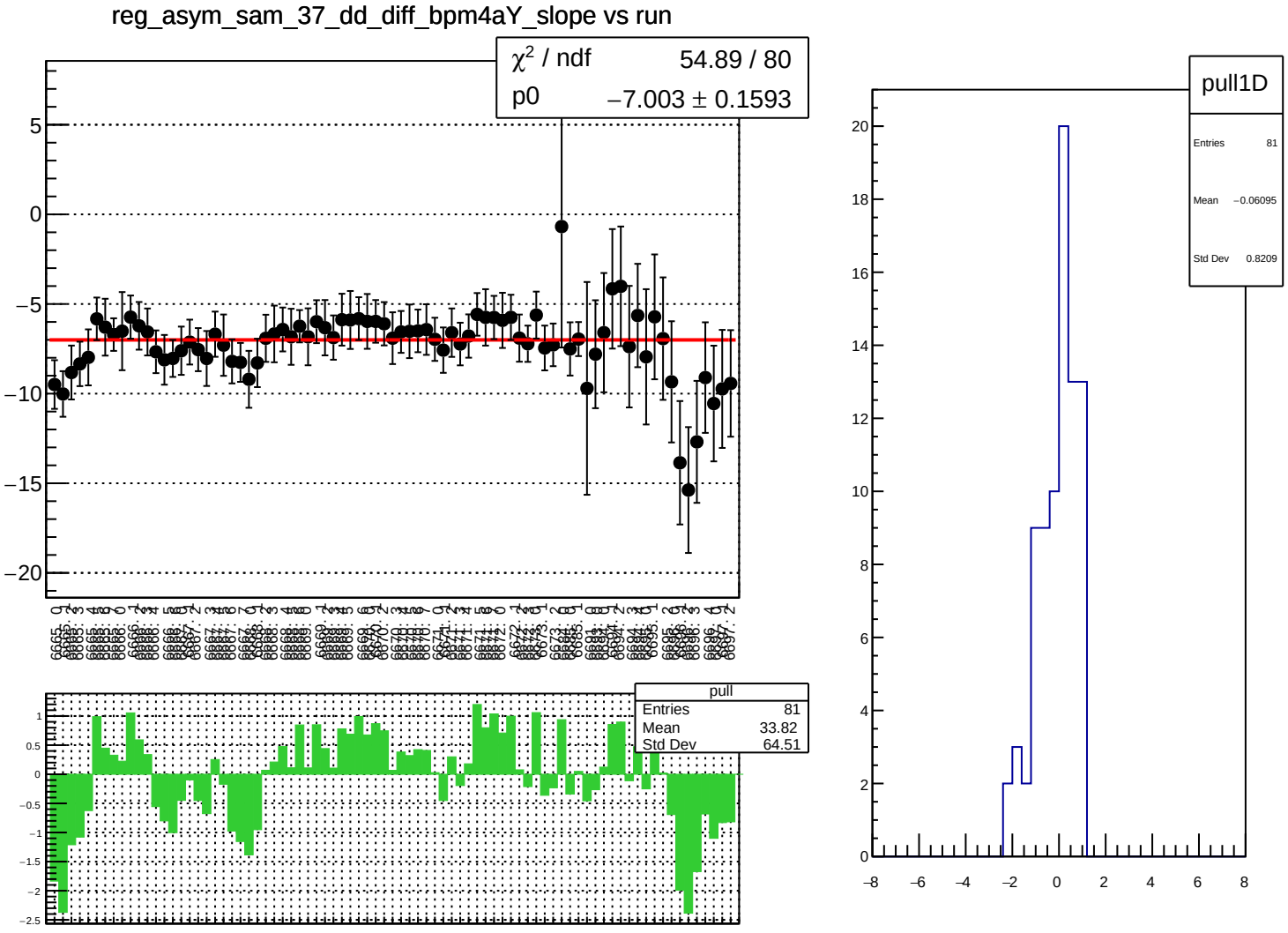

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.22 / 80
p0 6.627 ± 0.4053
pull
Entries 81
Mean 62.7
Std Dev 36.76

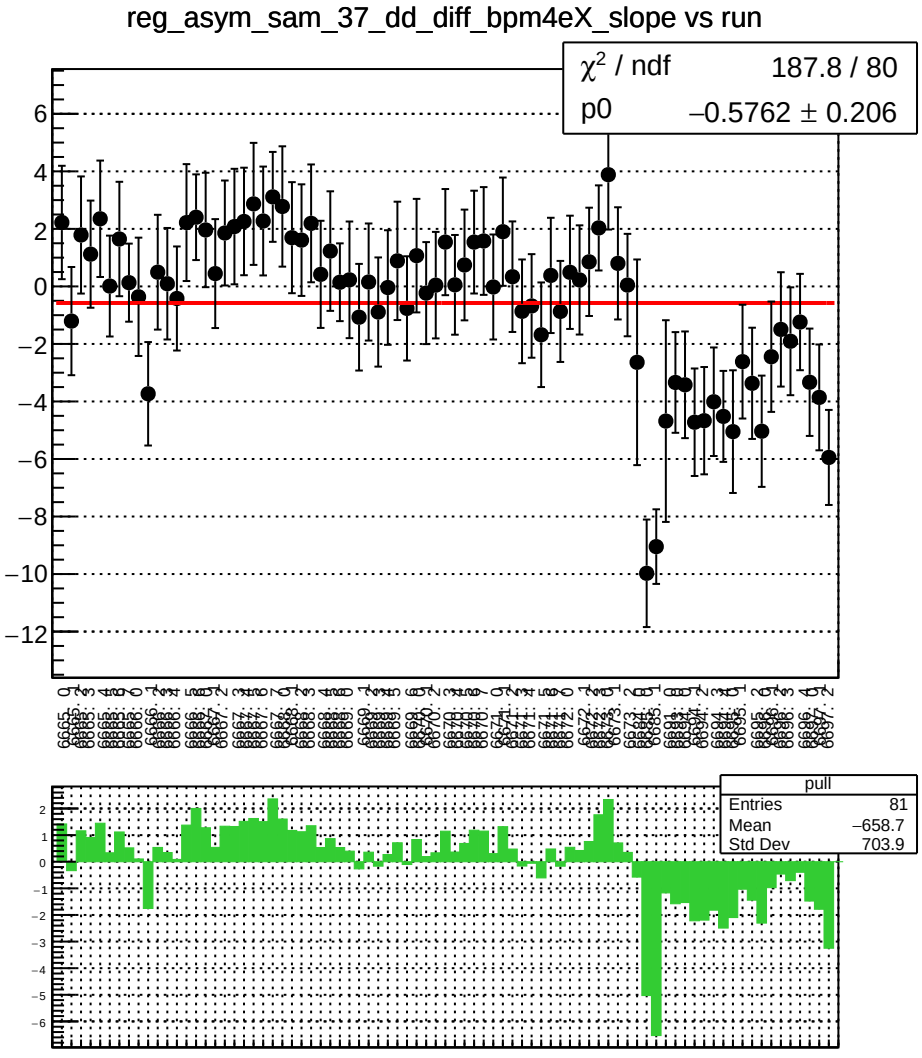

pull1D
Entries 81
Mean −0.05515
Std Dev 0.4001

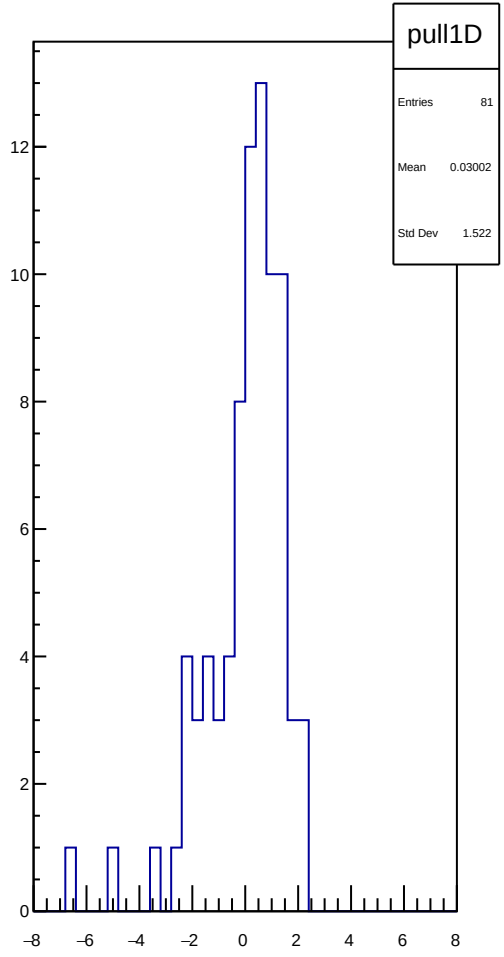

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 67.63 / 80
p0 0.3541 ± 0.0182
pull
Entries 81
Mean 269.1
Std Dev 219.6

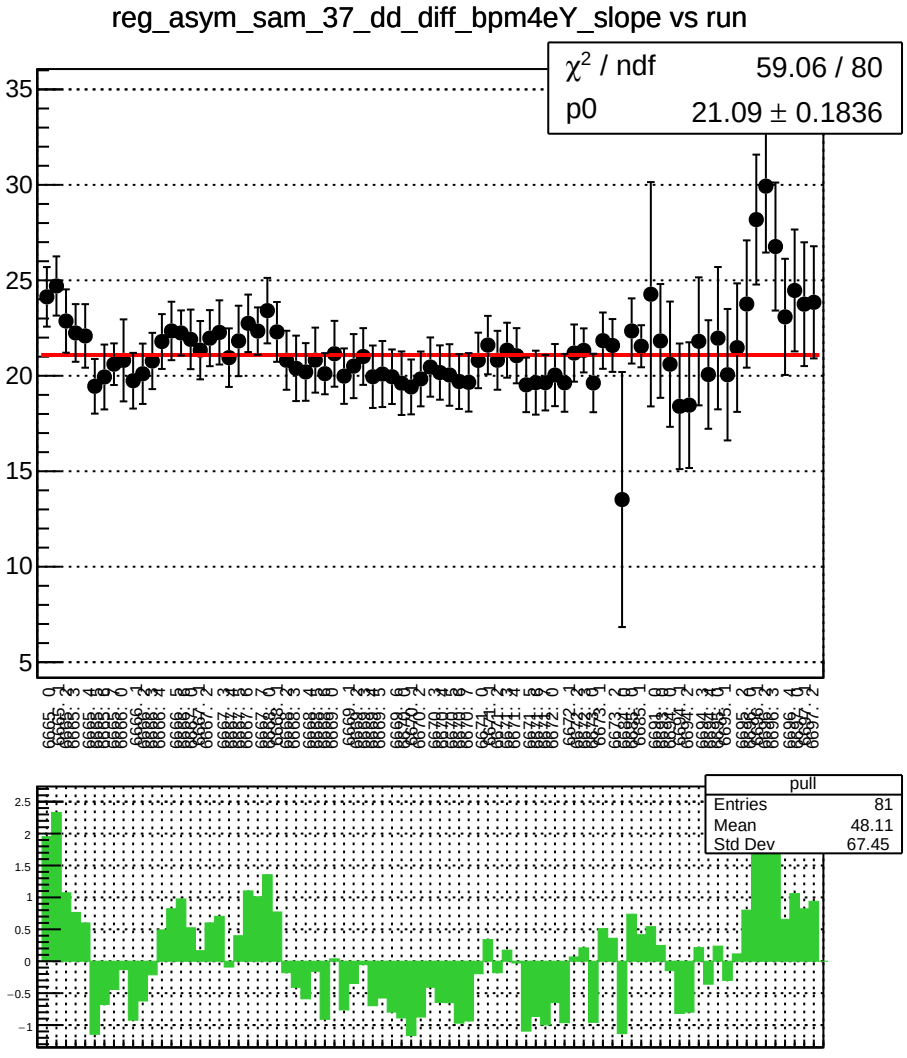

pull1D
Entries 81
Mean −0.06613
Std Dev 0.9114

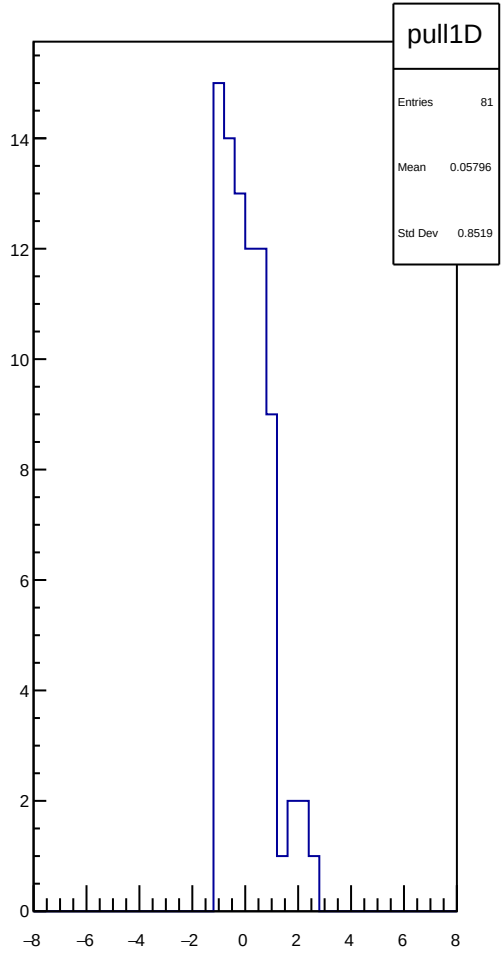

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 151.4 / 80
p0 −18.56 ± 0.1948
pull
Entries 81
Mean 1258
Std Dev 1213
pull1D
Entries 81
Mean 0.01271
Std Dev 1.367

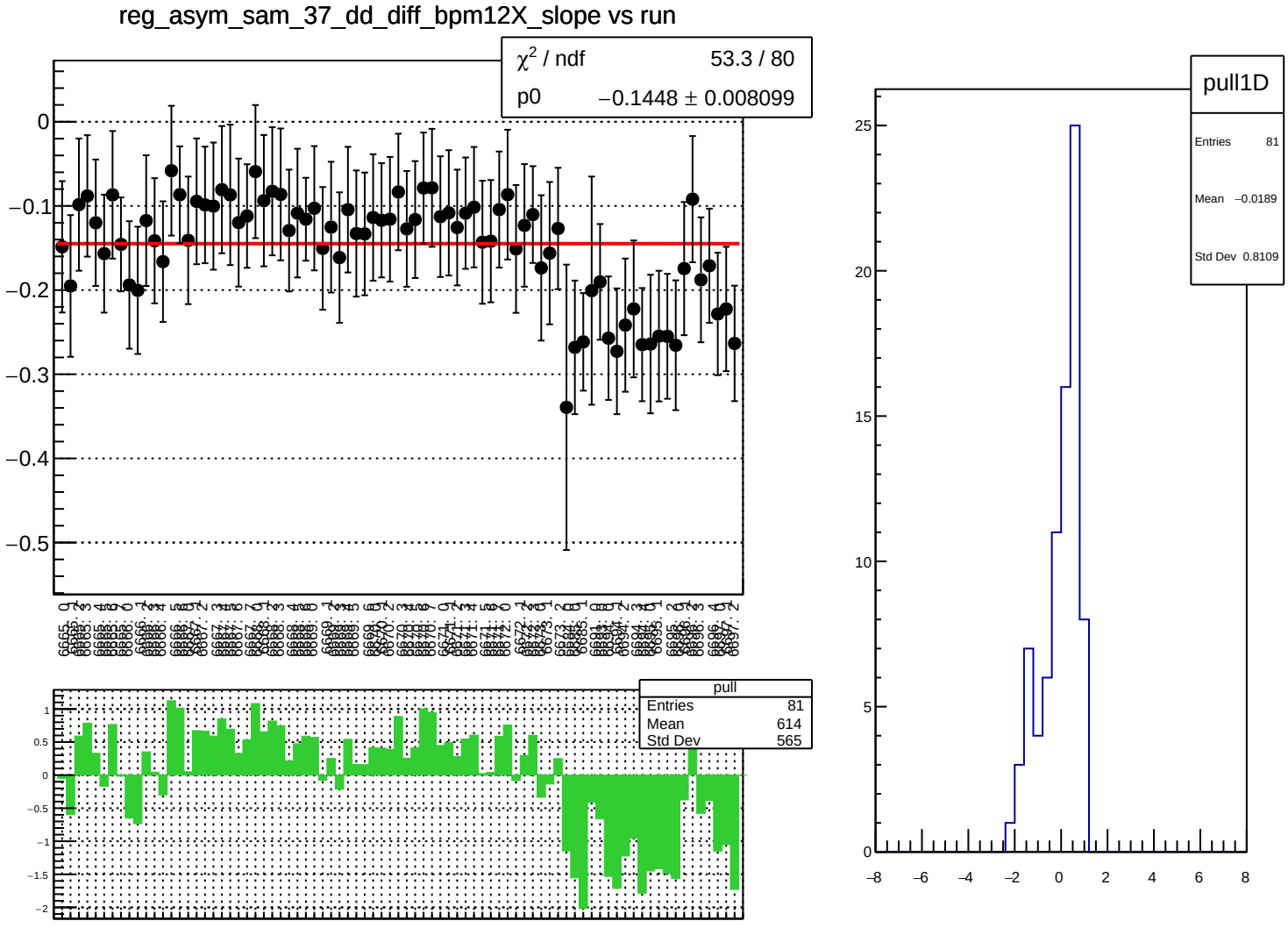

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.89 / 80
p0 −7.003 ± 0.1593
pull
Entries 81
Mean 33.82
Std Dev 64.51
pull1D
Entries 81
Mean −0.06095
Std Dev 0.8209

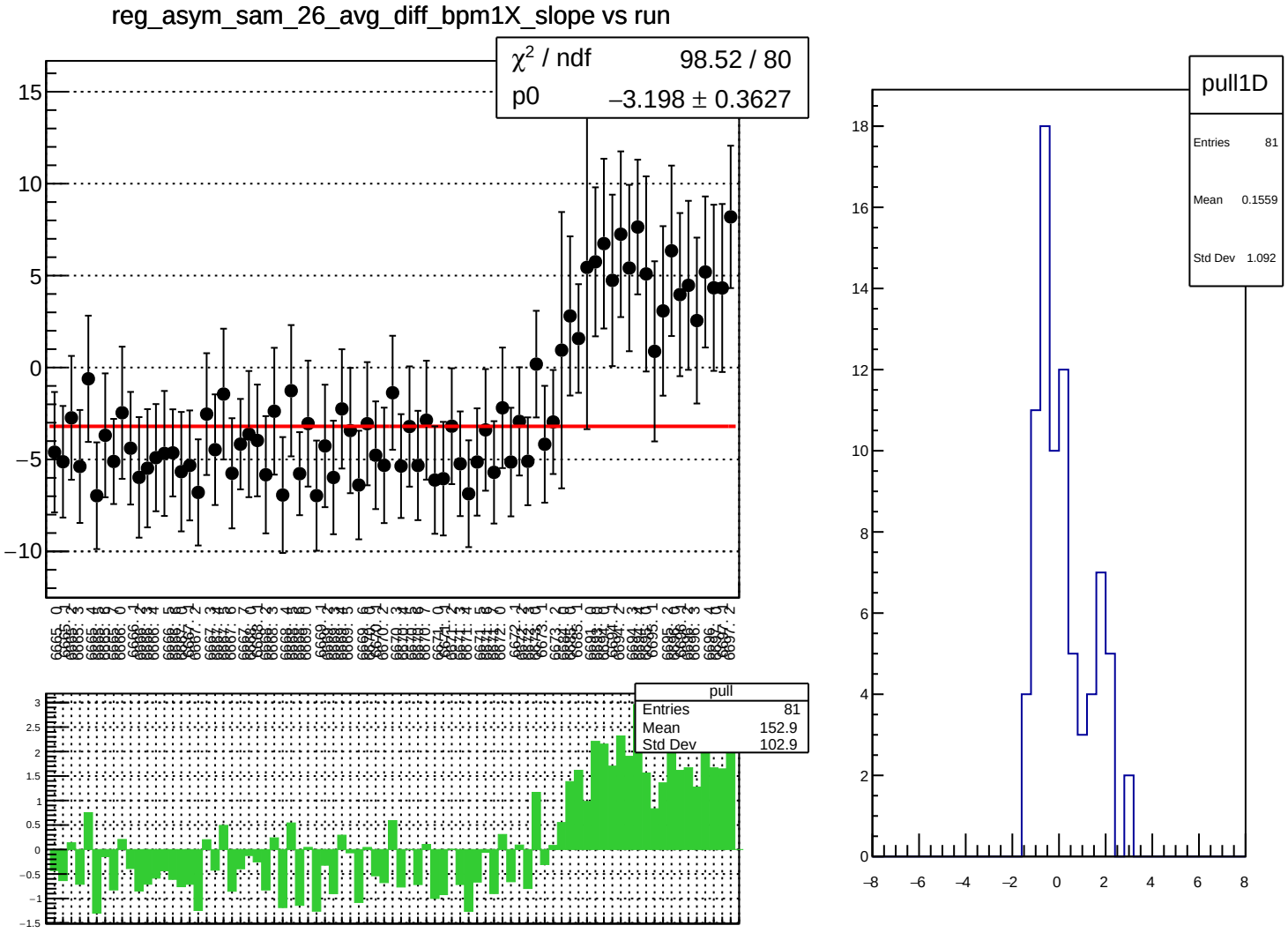

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.8 / 80
p0 −0.5762 ± 0.206
pull
Entries 81
Mean −658.7
Std Dev 703.9

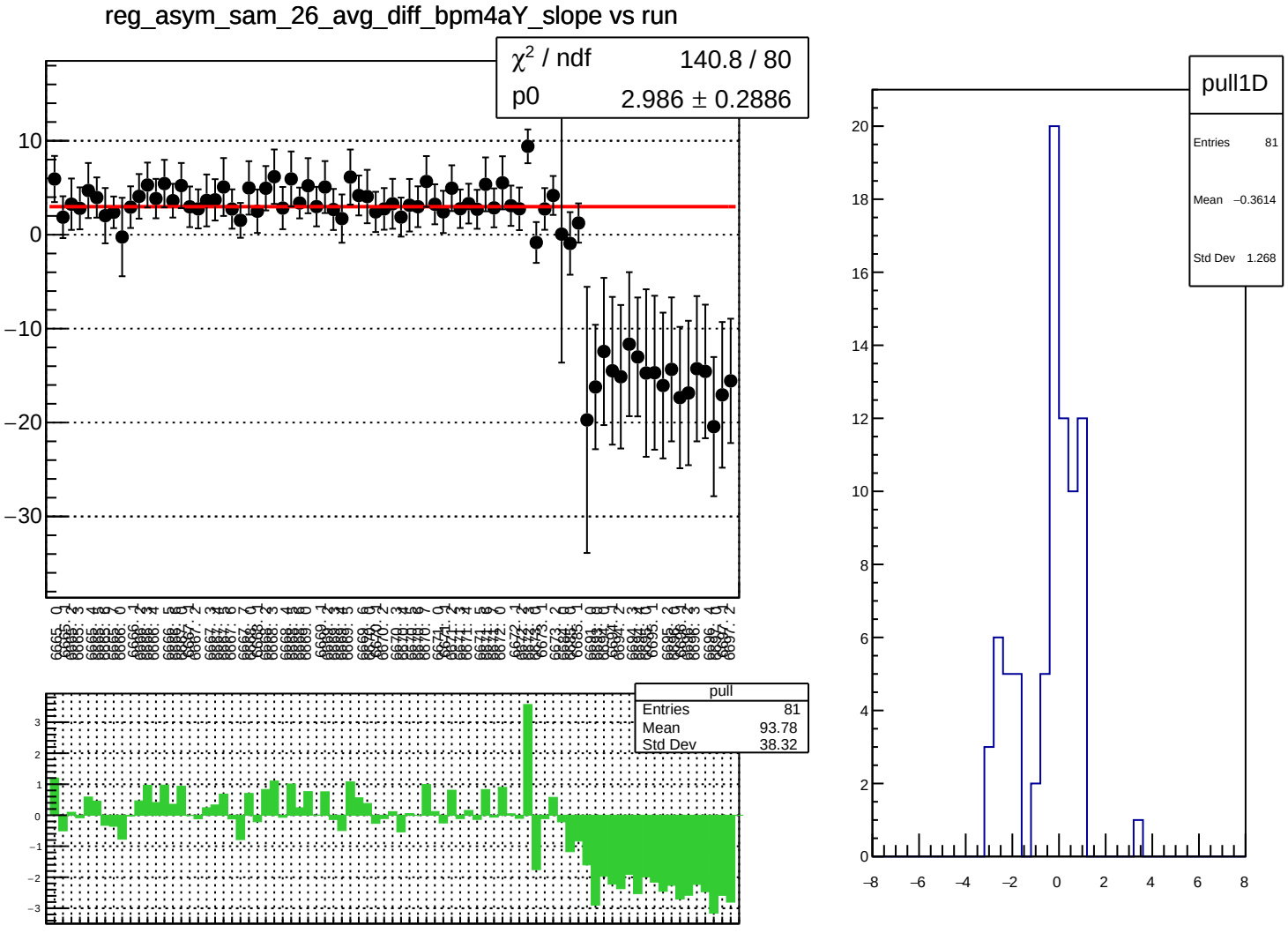

pull1D
Entries 81
Mean 0.03002
Std Dev 1.522

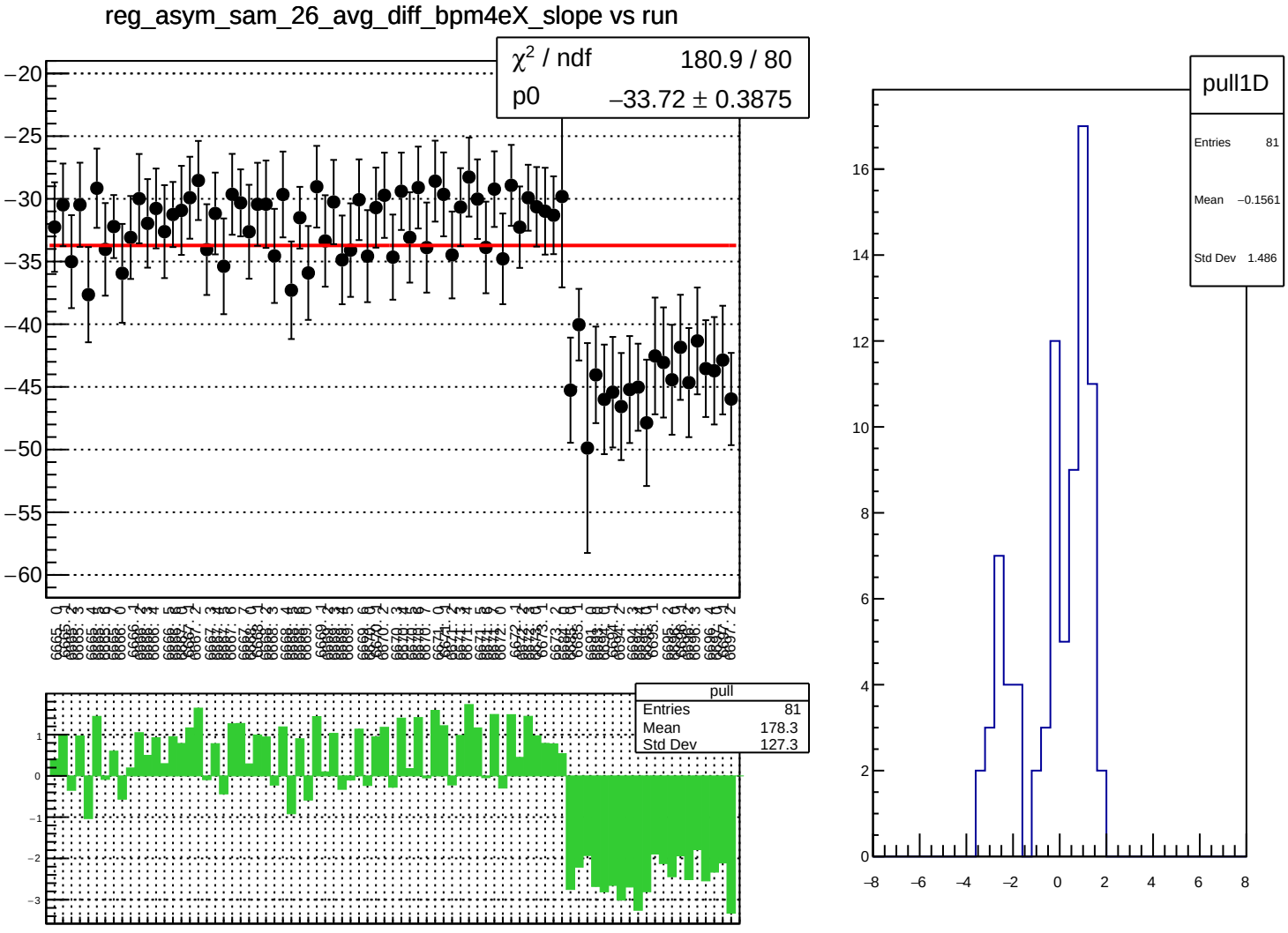

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.06 / 80
p0 21.09 ± 0.1836
pull
Entries 81
Mean 48.11
Std Dev 67.45

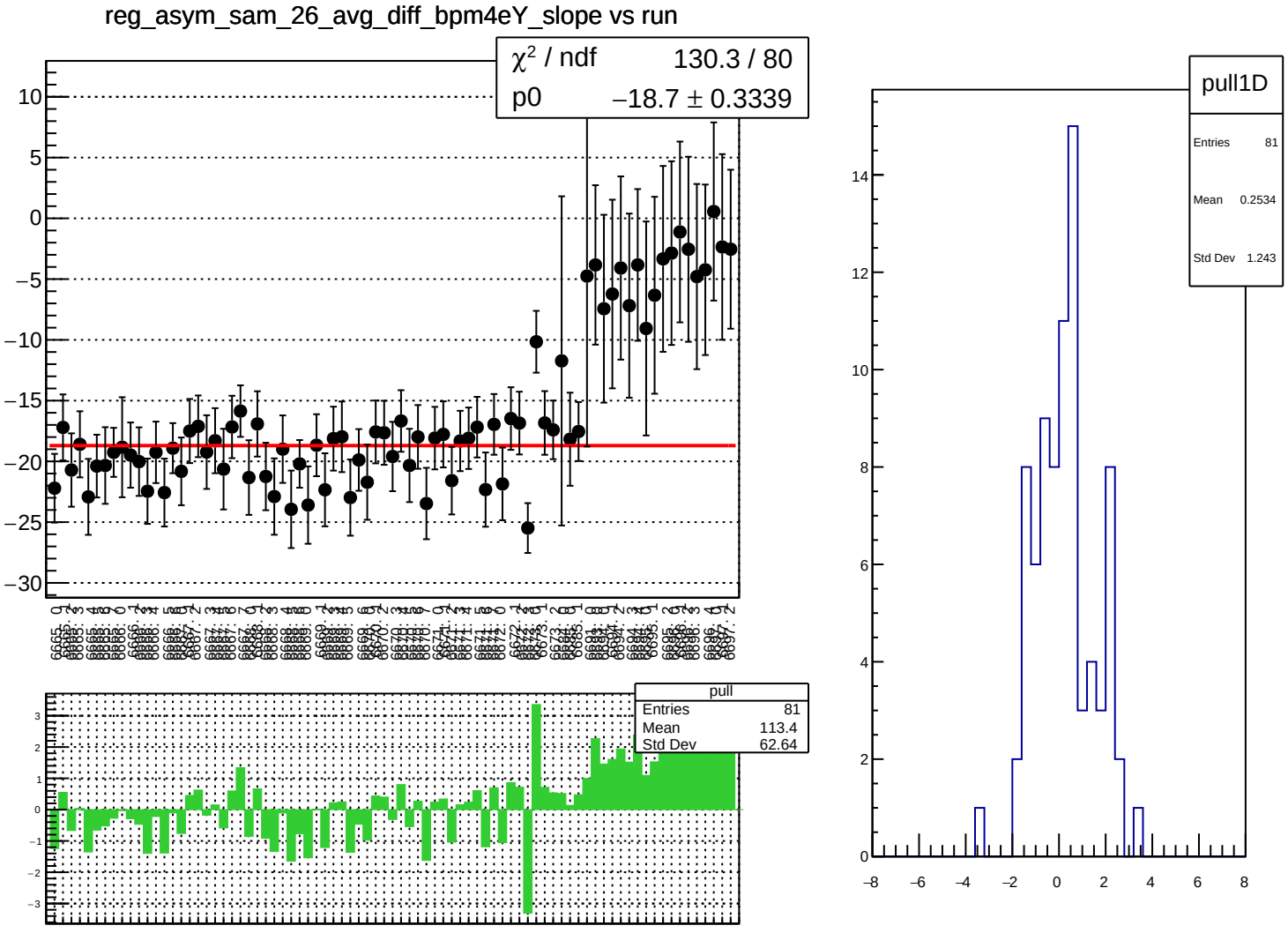

pull1D
Entries 81
Mean 0.05796
Std Dev 0.8519

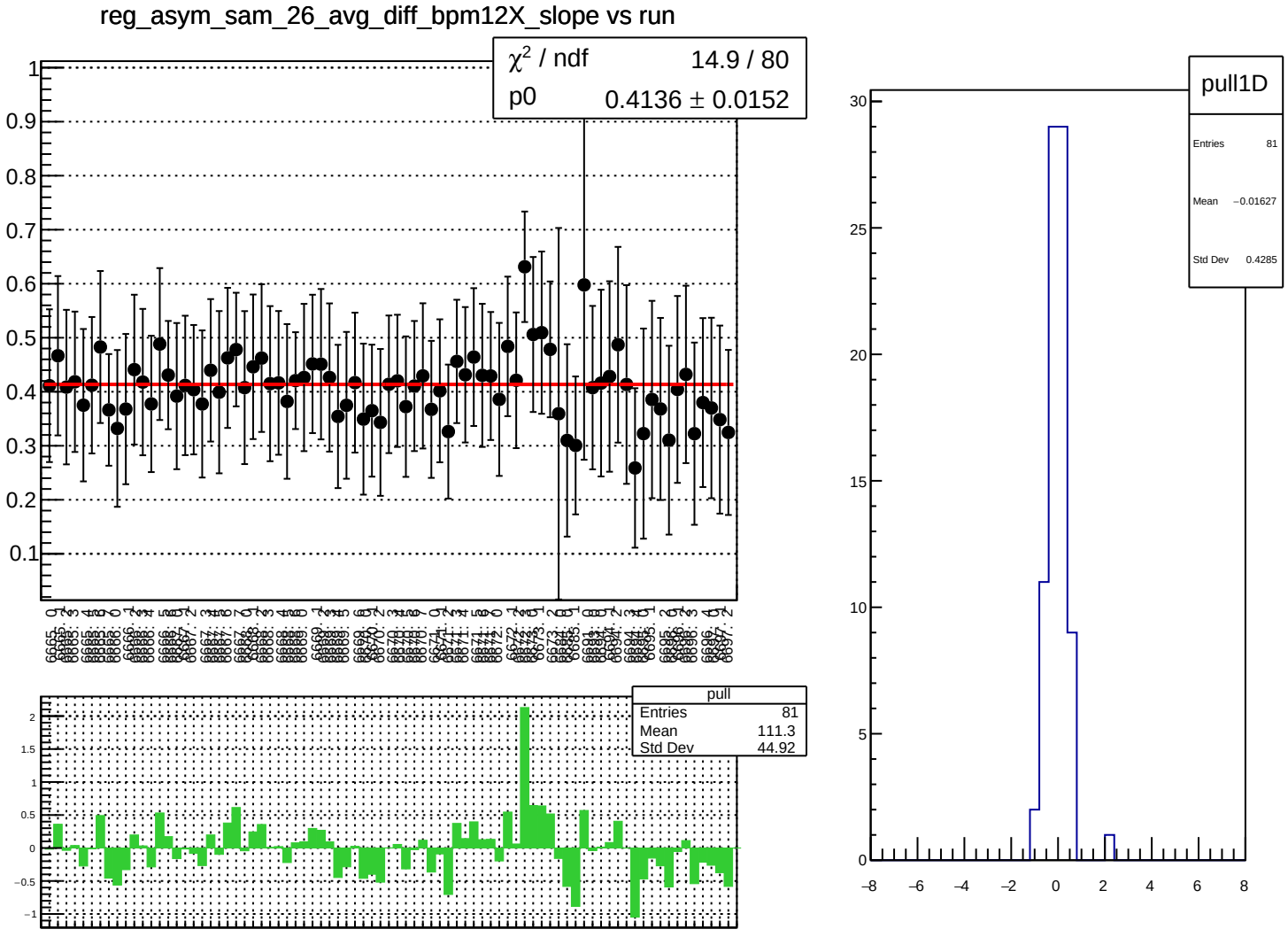

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 53.3 / 80
p0 −0.1448 ± 0.008099
pull
Entries 81
Mean 614
Std Dev 565
pull1D
Entries 81
Mean −0.0189
Std Dev 0.8109

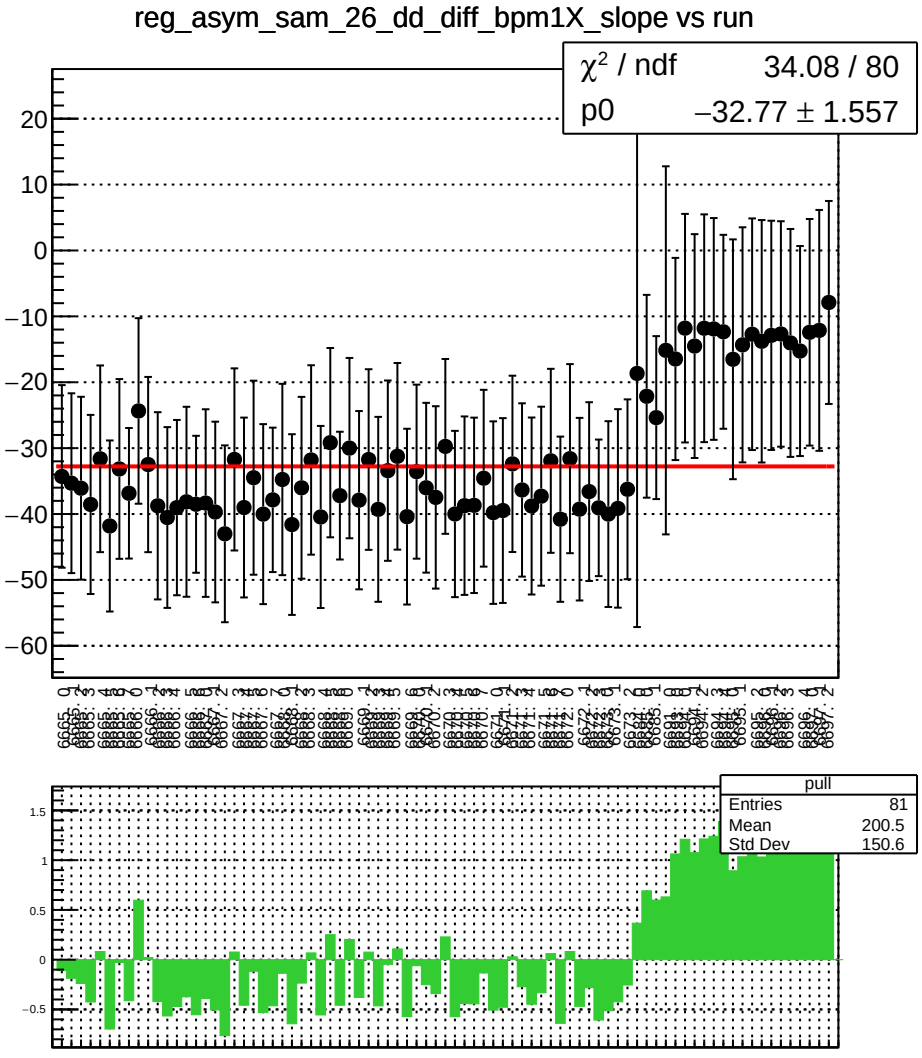

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 98.52 / 80
p0 −3.198 ± 0.3627
pull
Entries 81
Mean 152.9
Std Dev 102.9
pull1D
Entries 81
Mean 0.1559
Std Dev 1.092

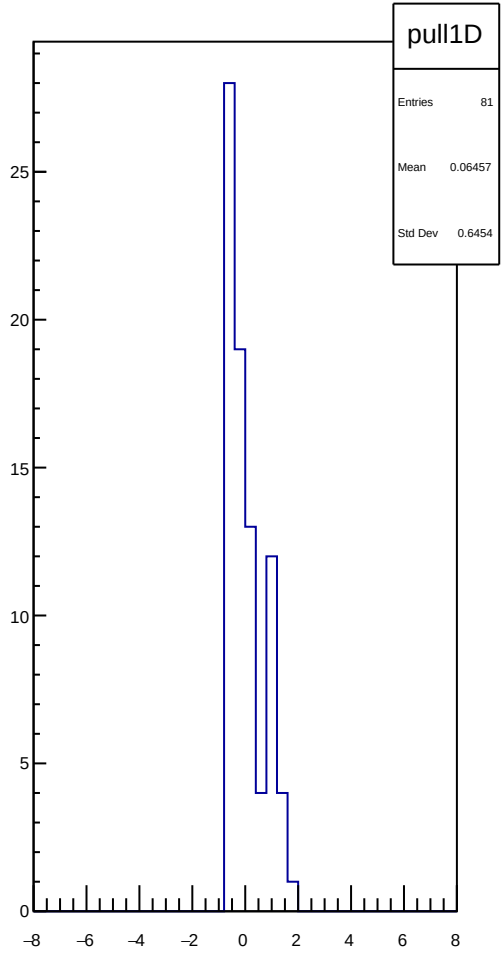

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 140.8 / 80
p0 2.986 ± 0.2886
pull
Entries 81
Mean 93.78
Std Dev 38.32
pull1D
Entries 81
Mean −0.3614
Std Dev 1.268

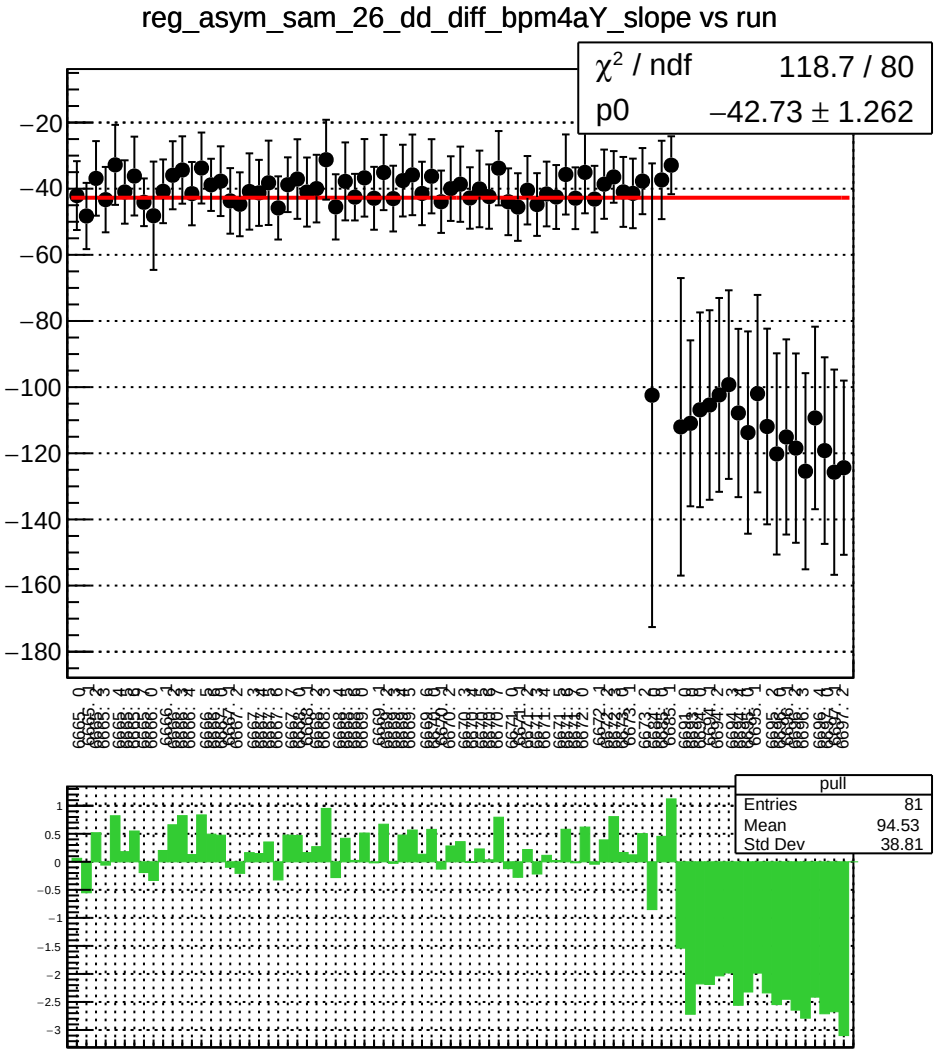

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 180.9 / 80
p0 −33.72 ± 0.3875
pull
Entries 81
Mean 178.3
Std Dev 127.3
pull1D
Entries 81
Mean −0.1561
Std Dev 1.486

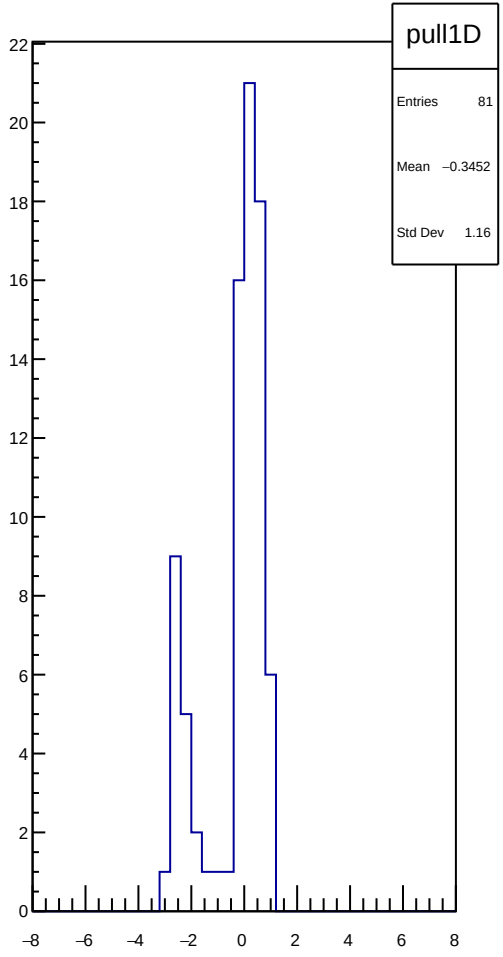

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 130.3 / 80
p0 −18.7 ± 0.3339
pull
Entries 81
Mean 113.4
Std Dev 62.64
pull1D
Entries 81
Mean 0.2534
Std Dev 1.243

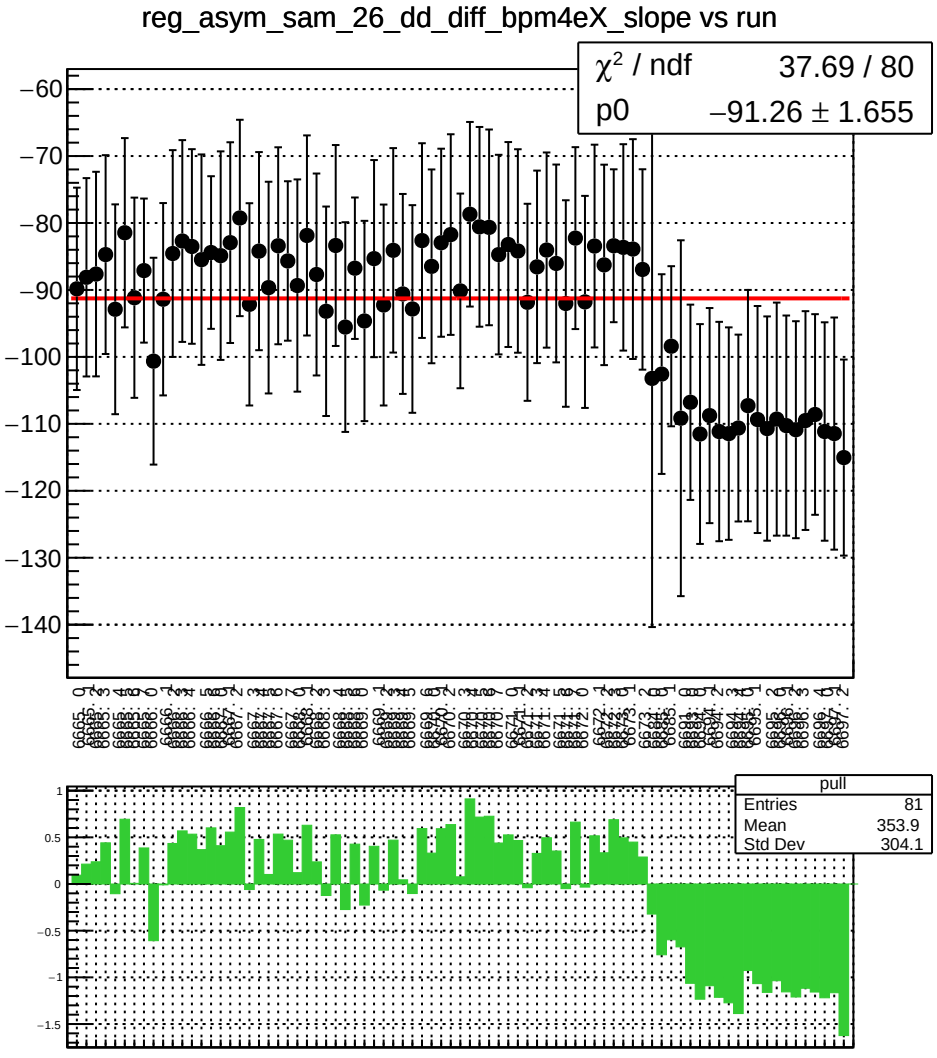

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 14.9 / 80
p0 0.4136 ± 0.0152
pull
Entries 81
Mean 111.3
Std Dev 44.92
pull1D
Entries 81
Mean −0.01627
Std Dev 0.4285

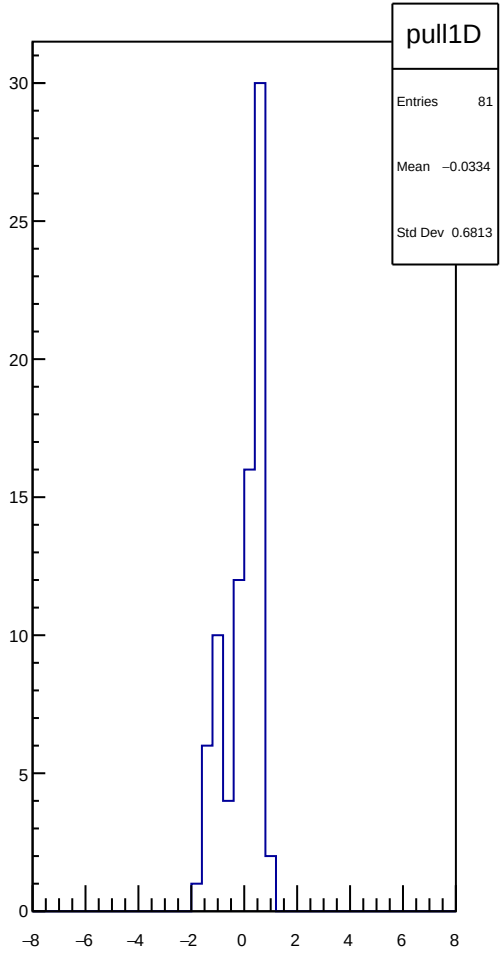

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 34.08 / 80
p0 −32.77 ± 1.557
pull
Entries 81
Mean 200.5
Std Dev 150.6

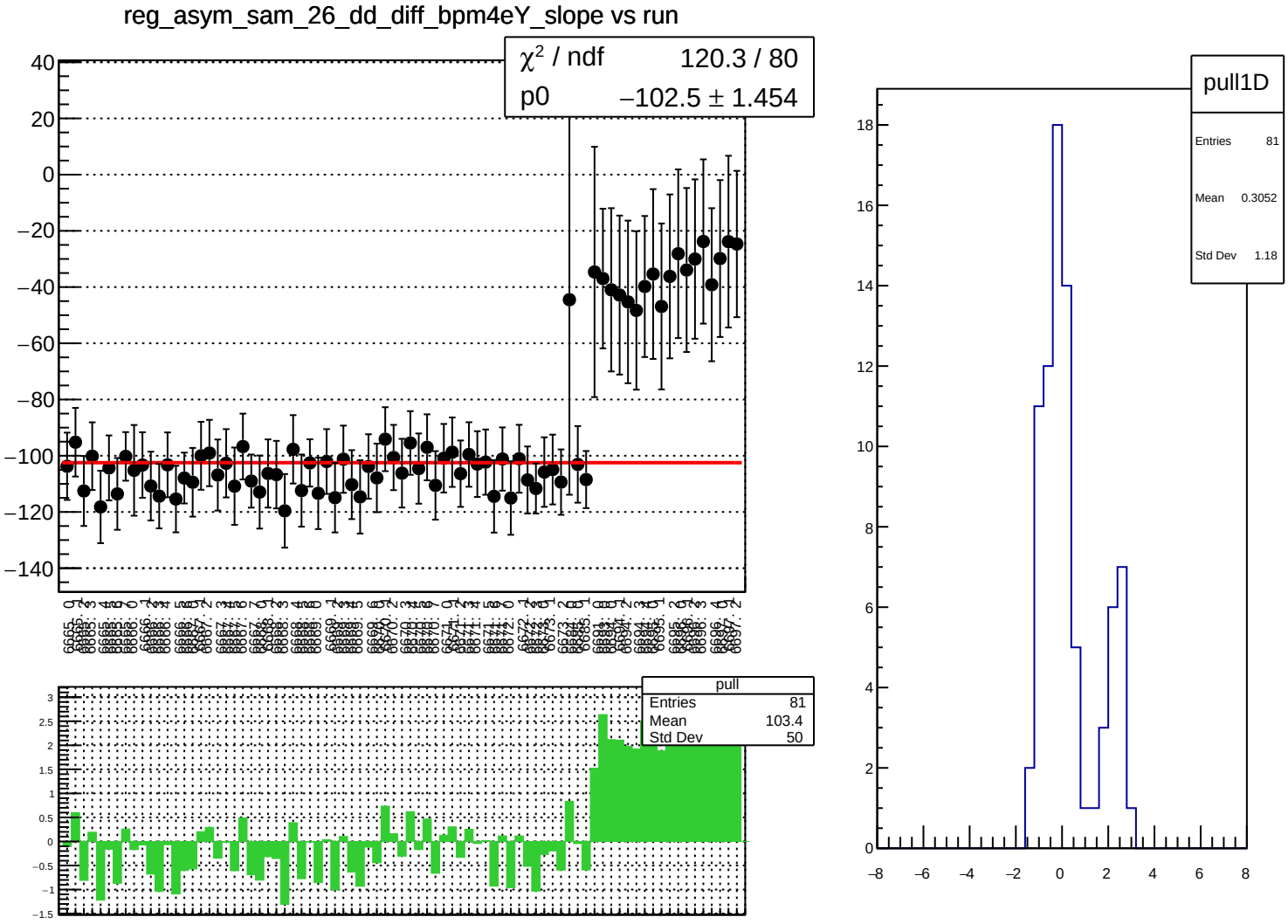

pull1D
Entries 81
Mean 0.06457
Std Dev 0.6454

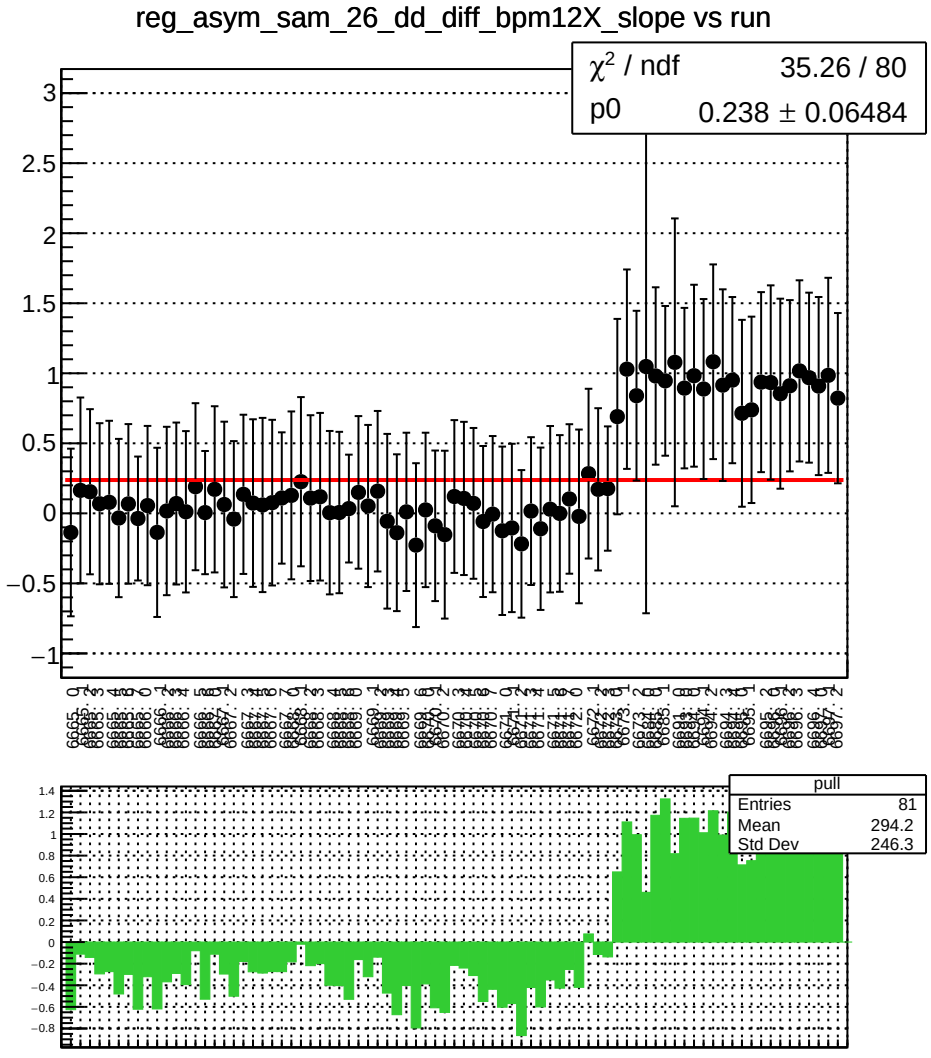

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 118.7 / 80
p0 −42.73 ± 1.262
pull
Entries 81
Mean 94.53
Std Dev 38.81

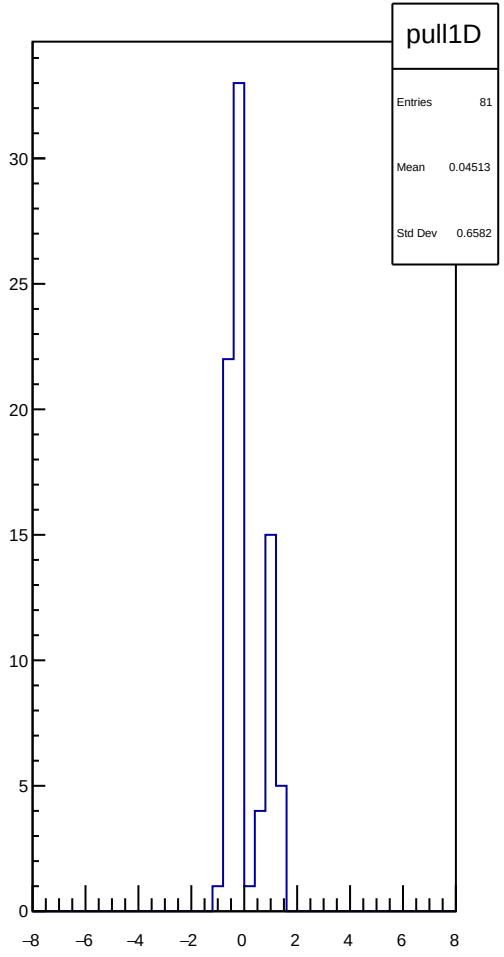

pull1D
Entries 81
Mean −0.3452
Std Dev 1.16

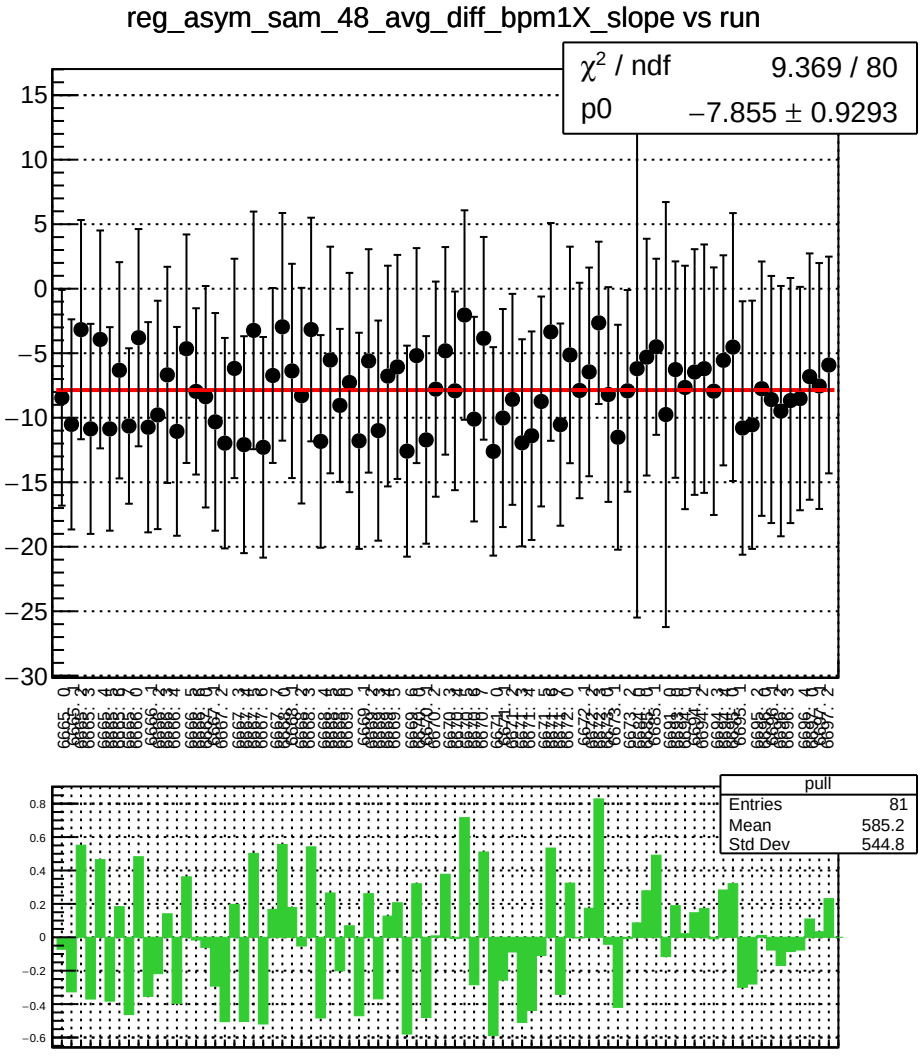

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.69 / 80
p0 −91.26 ± 1.655
pull
Entries 81
Mean 353.9
Std Dev 304.1

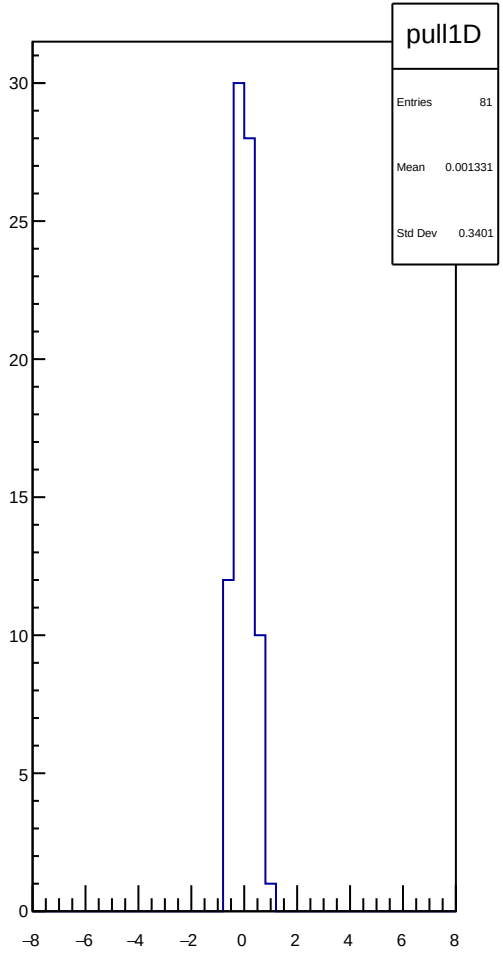

pull1D
Entries 81
Mean −0.0334
Std Dev 0.6813

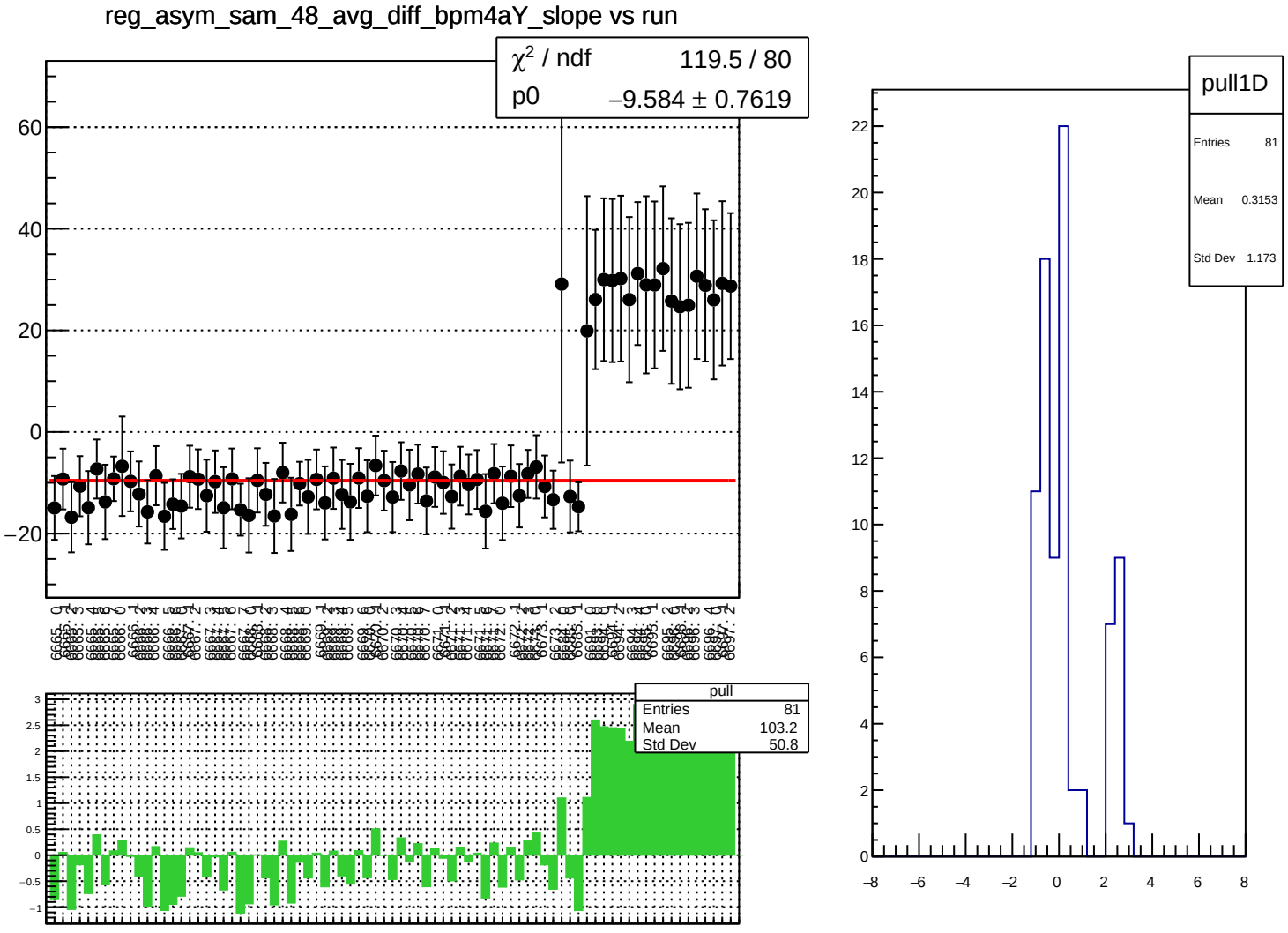

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.3 / 80
p0 −102.5 ± 1.454
pull
Entries 81
Mean 103.4
Std Dev 50
pull1D
Entries 81
Mean 0.3052
Std Dev 1.18

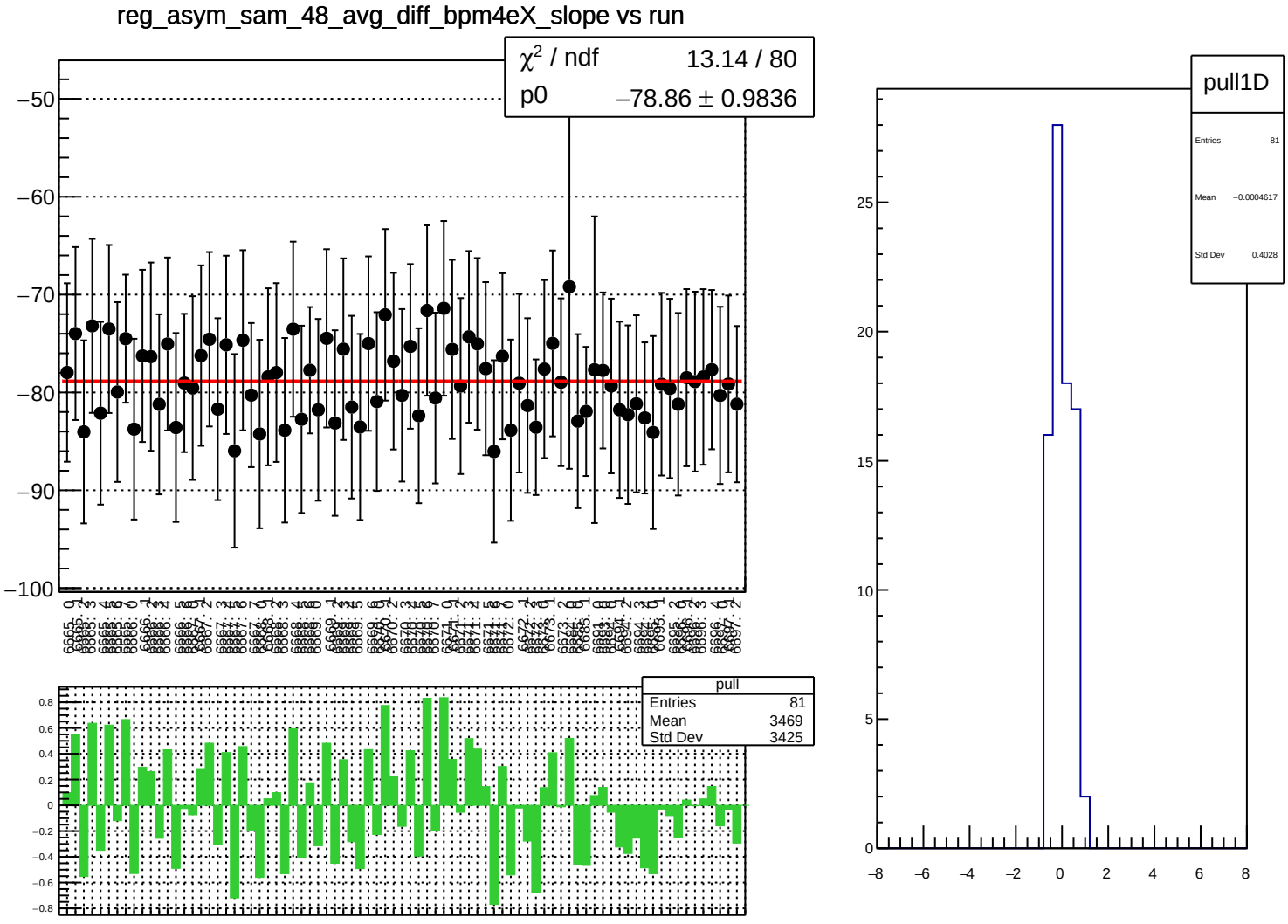

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 35.26 / 80
p0 0.238 ± 0.06484
pull
Entries 81
Mean 294.2
Std Dev 246.3

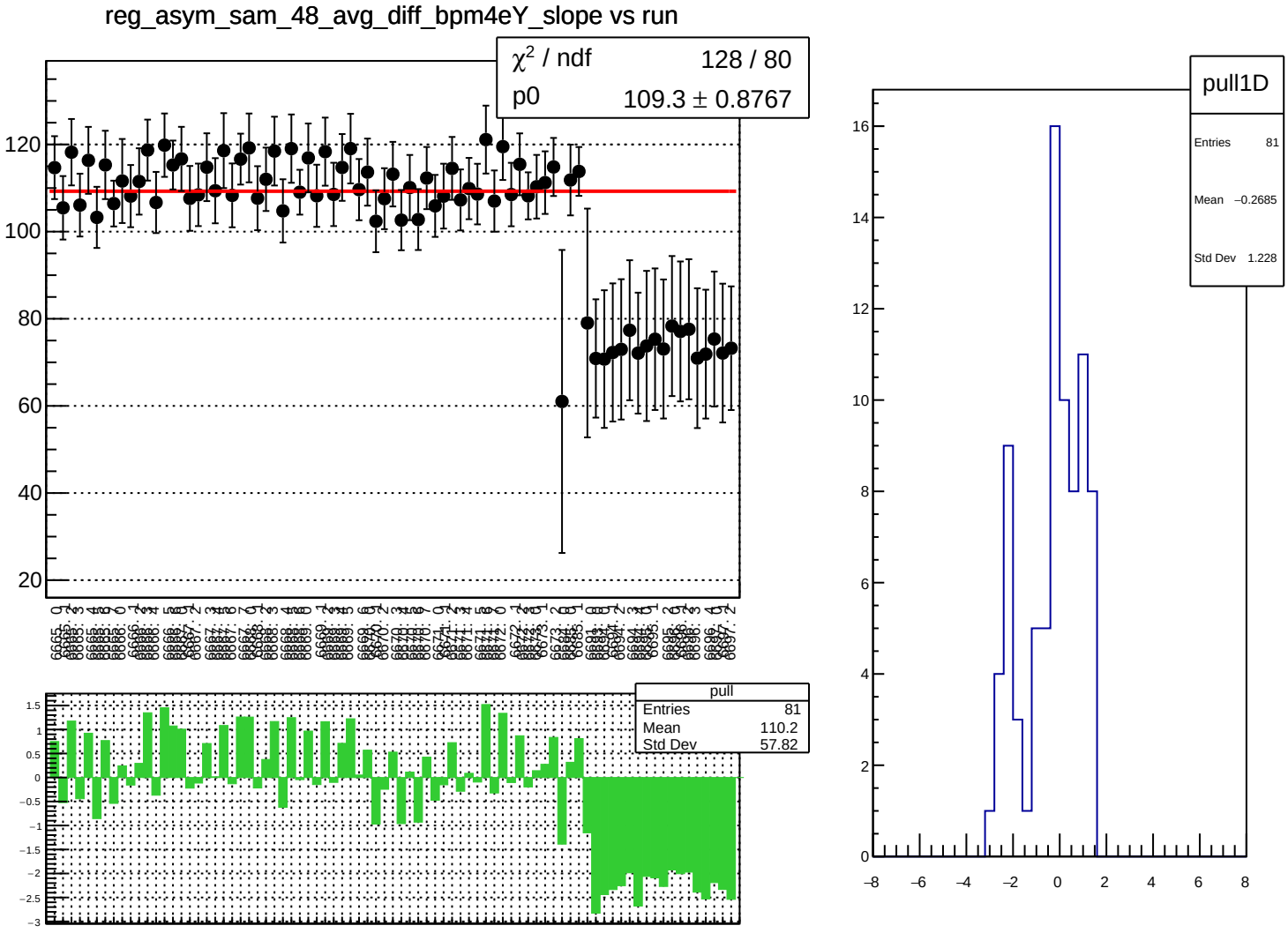

pull1D
Entries 81
Mean 0.04513
Std Dev 0.6582

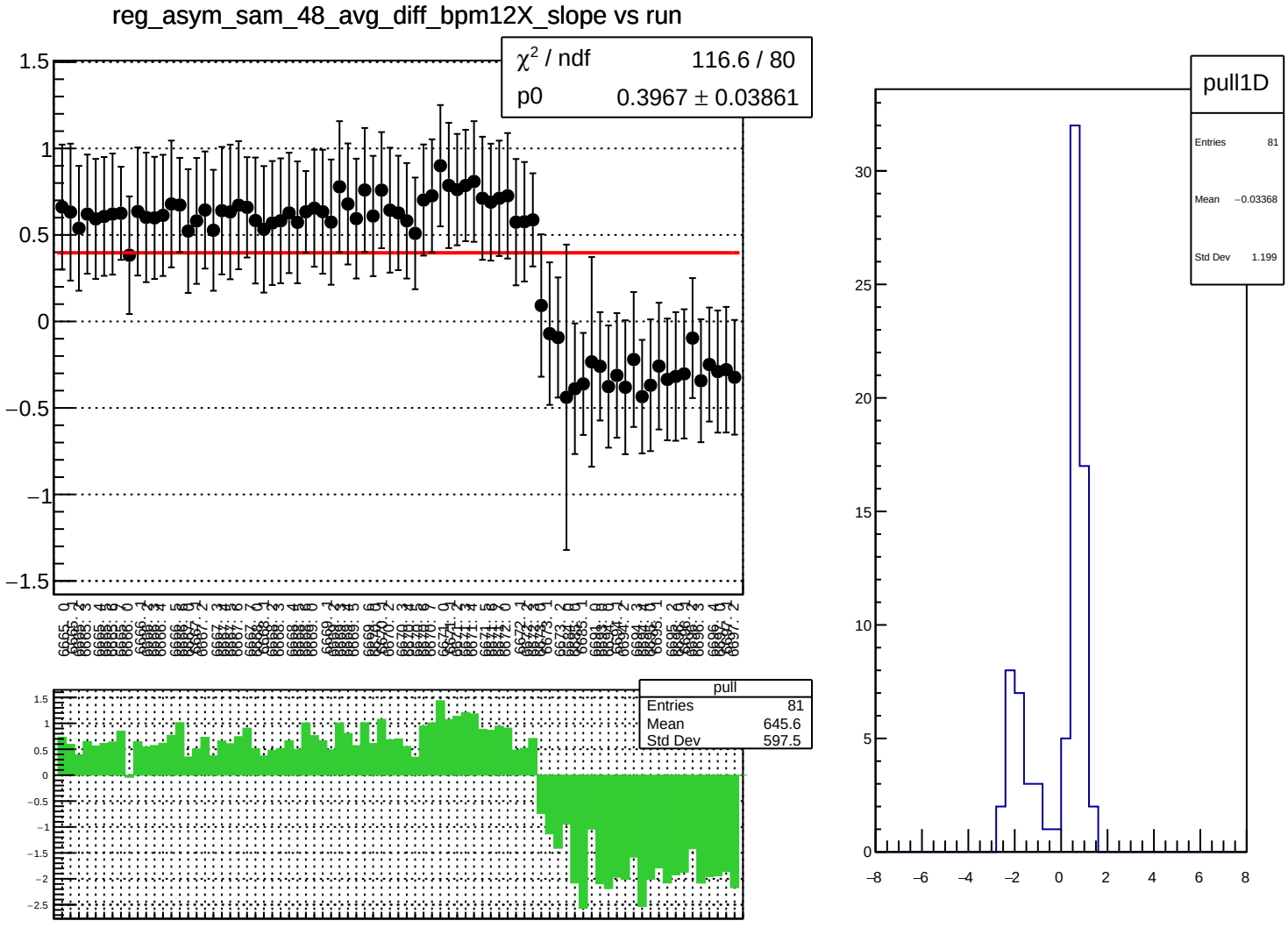

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.369 / 80
p0 −7.855 ± 0.9293
pull
Entries 81
Mean 585.2
Std Dev 544.8

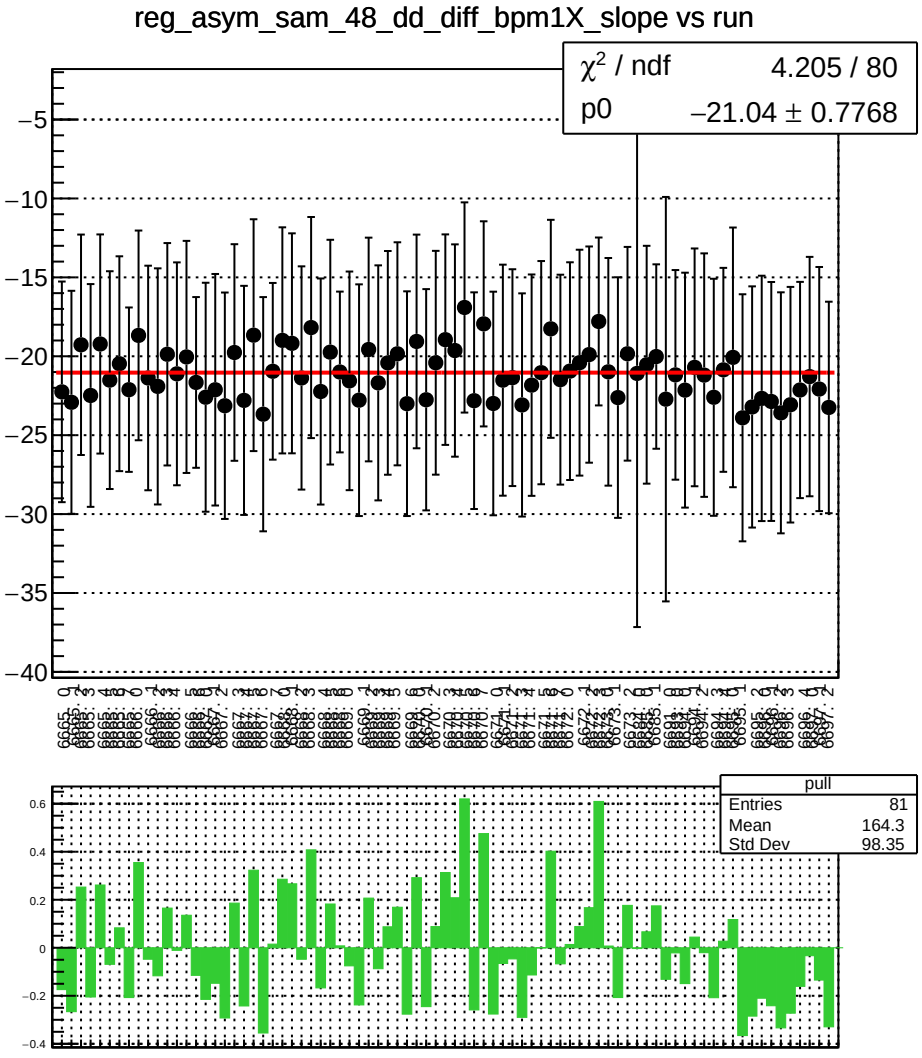

pull1D
Entries 81
Mean 0.001331
Std Dev 0.3401

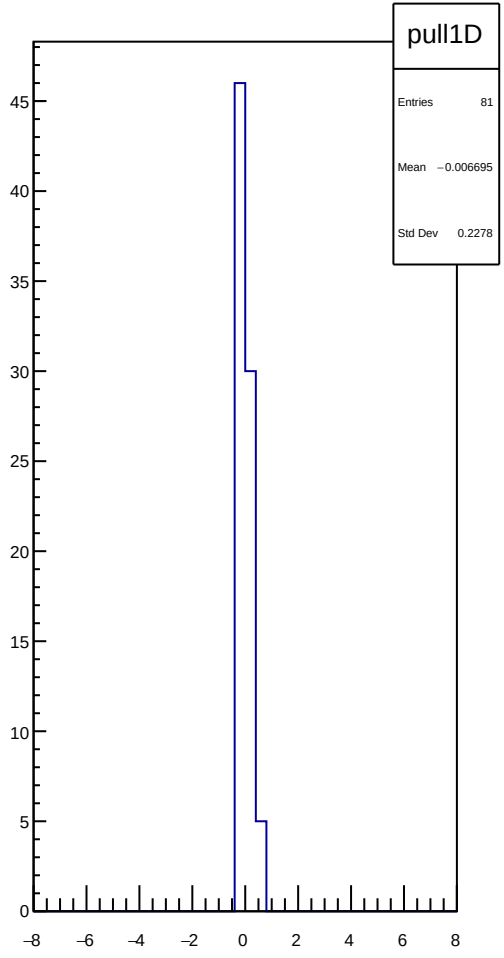

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 119.5 / 80
p0 −9.584 ± 0.7619
pull
Entries 81
Mean 103.2
Std Dev 50.8
pull1D
Entries 81
Mean 0.3153
Std Dev 1.173

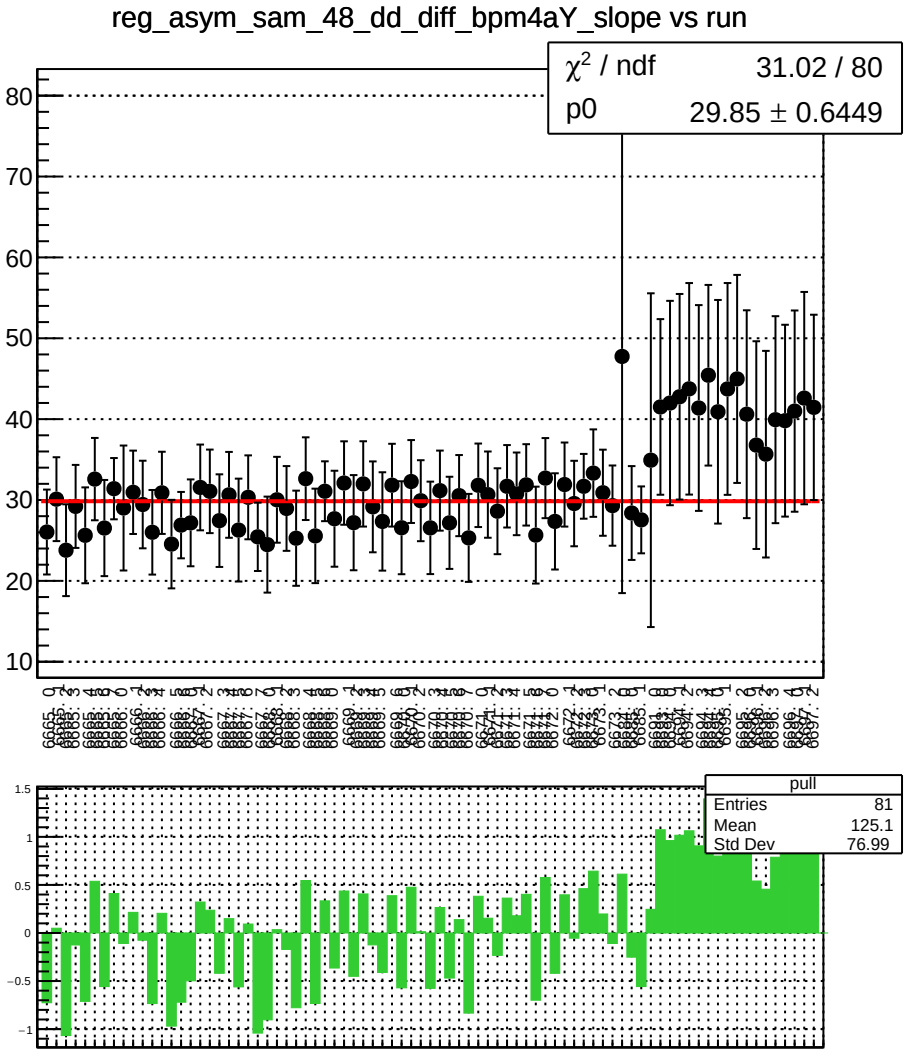

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.14 / 80
p0 −78.86 ± 0.9836
pull
Entries 81
Mean 3469
Std Dev 3425
pull1D
Entries 81
Mean −0.0004617
Std Dev 0.4028

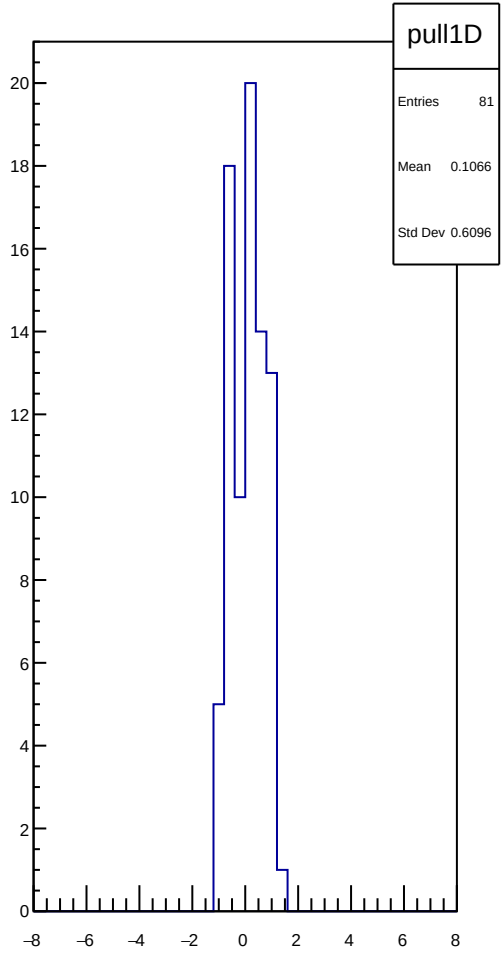

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 128 / 80
p0 109.3 ± 0.8767
pull
Entries 81
Mean 110.2
Std Dev 57.82
pull1D
Entries 81
Mean −0.2685
Std Dev 1.228

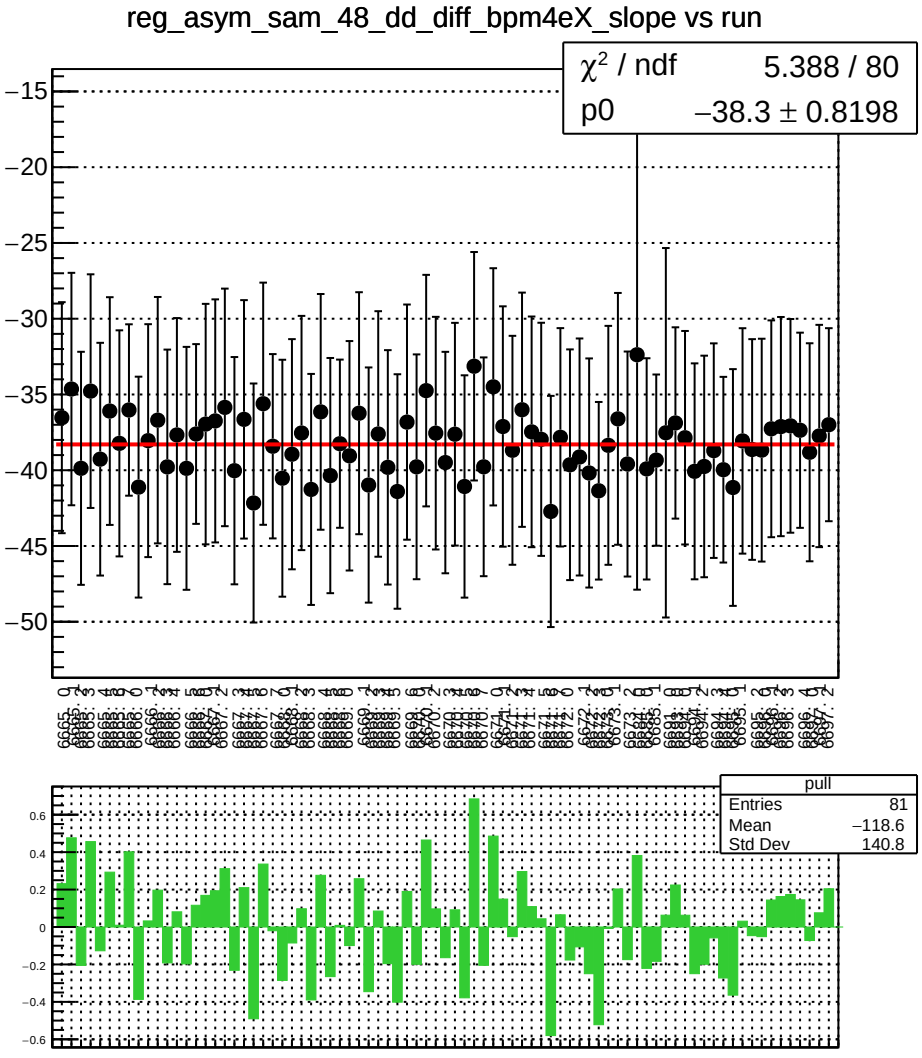

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 116.6 / 80
p0 0.3967 ± 0.03861
pull
Entries 81
Mean 645.6
Std Dev 597.5
pull1D
Entries 81
Mean −0.03368
Std Dev 1.199

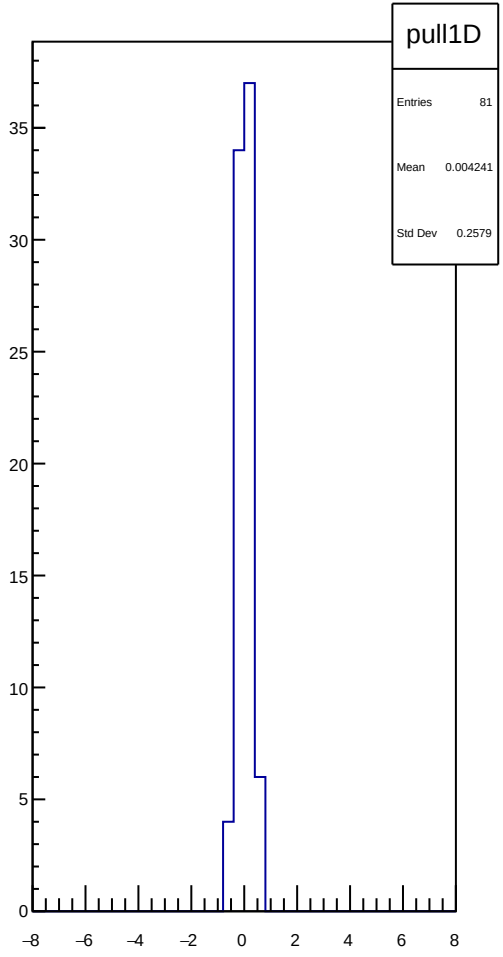

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.205 / 80
p0 −21.04 ± 0.7768
pull
Entries 81
Mean 164.3
Std Dev 98.35

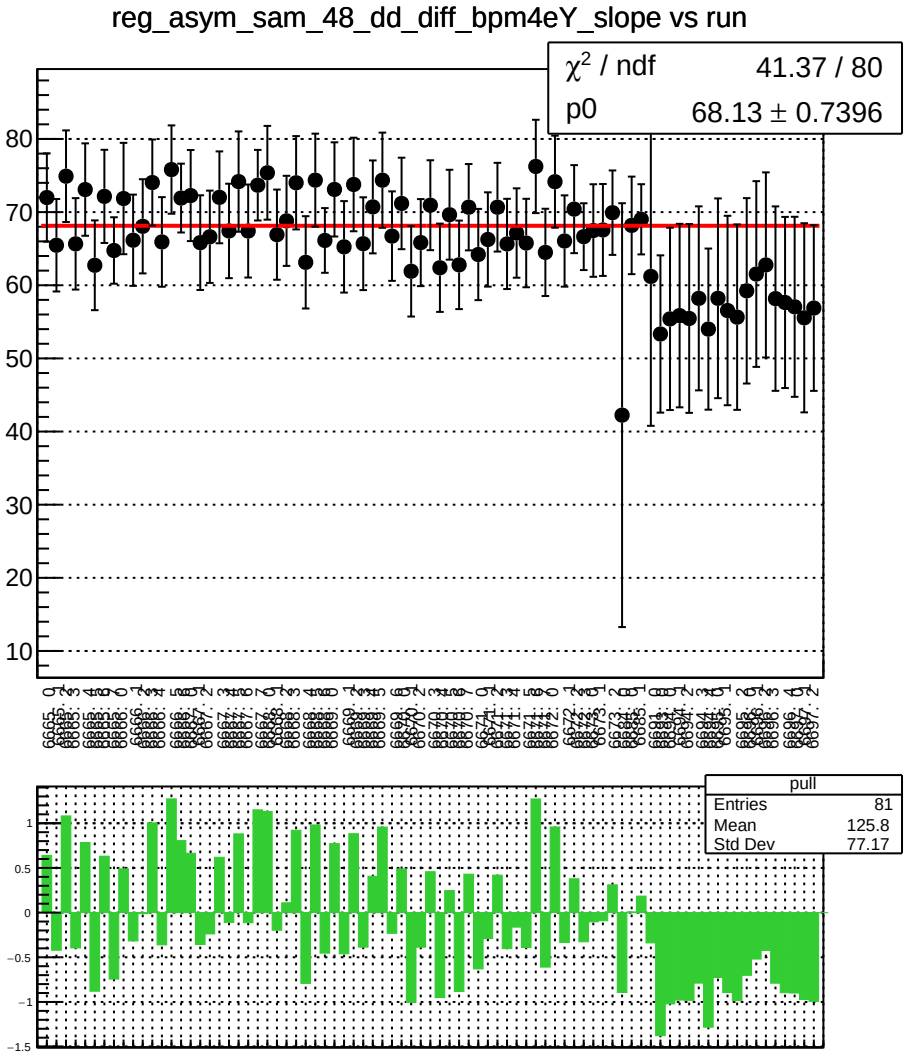

pull1D
Entries 81
Mean −0.006695
Std Dev 0.2278

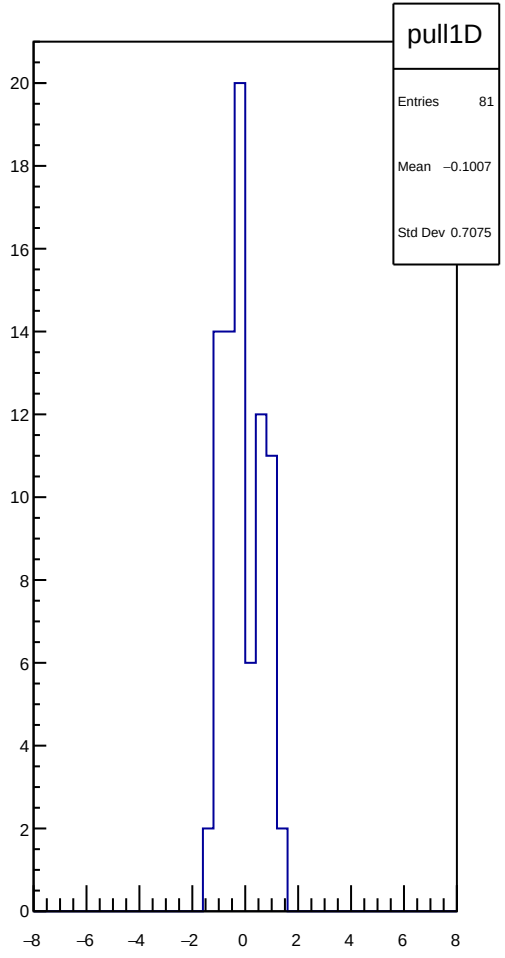

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.02 / 80
p0 29.85 ± 0.6449
pull
Entries 81
Mean 125.1
Std Dev 76.99

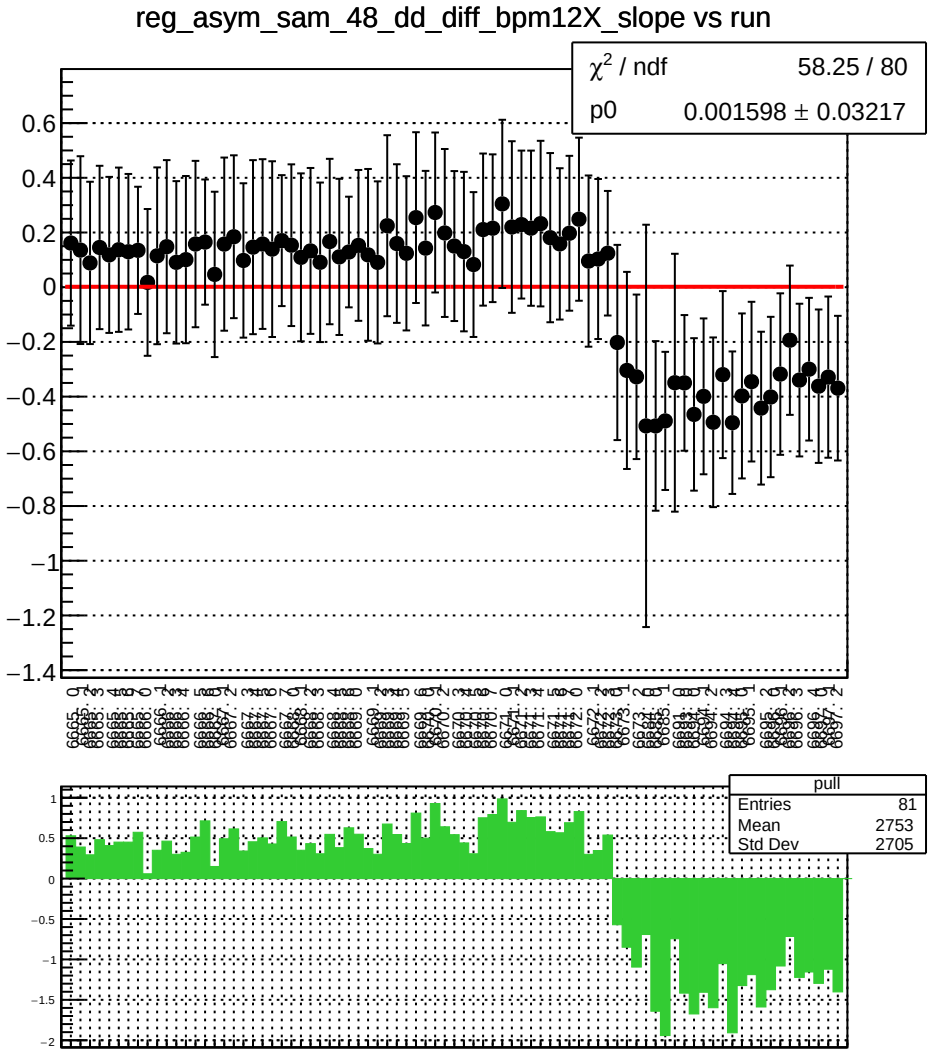

pull1D
Entries 81
Mean 0.1066
Std Dev 0.6096

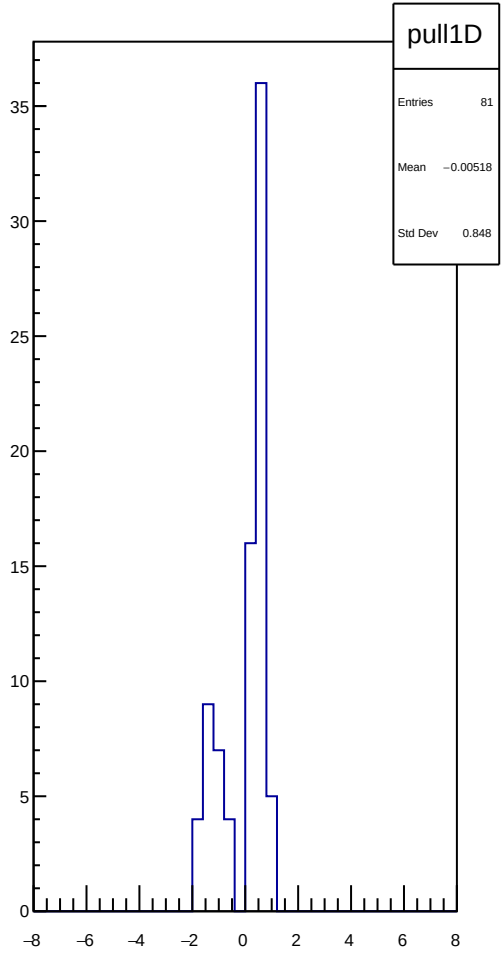

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.388 / 80
p0 −38.3 ± 0.8198
pull
Entries 81
Mean −118.6
Std Dev 140.8

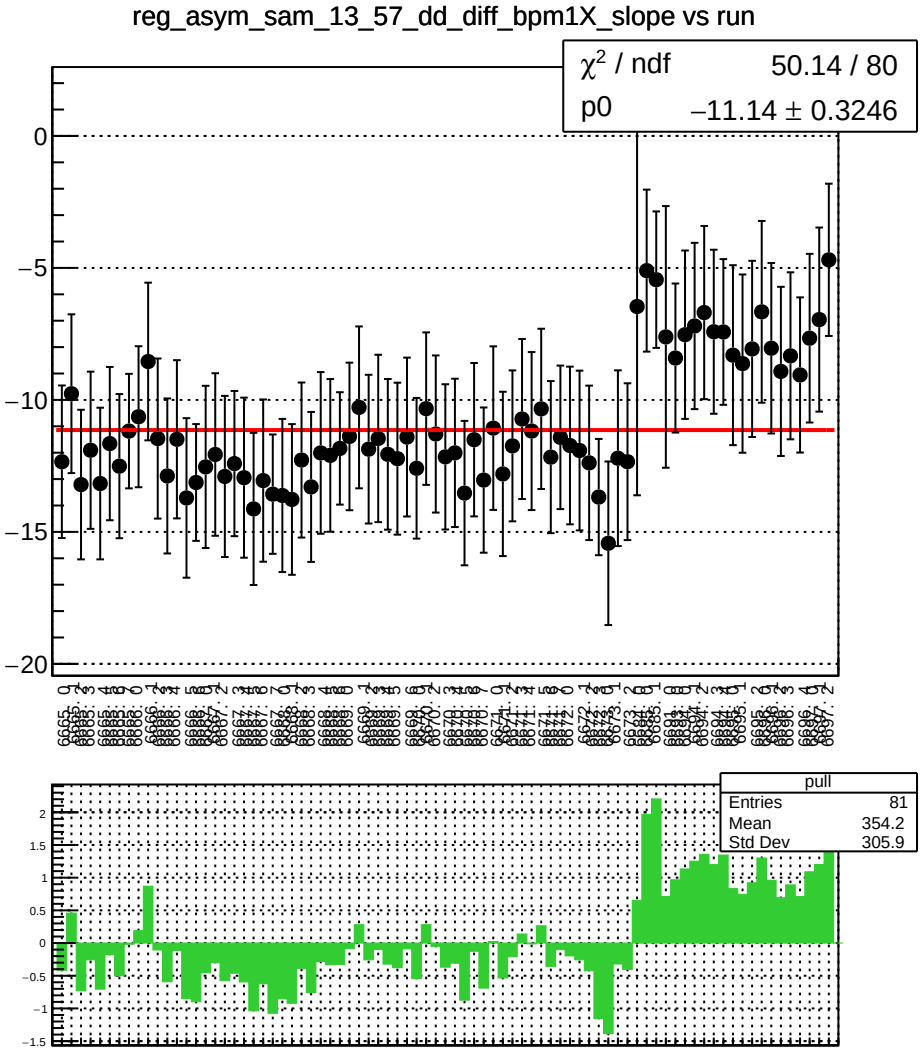

pull1D
Entries 81
Mean 0.004241
Std Dev 0.2579

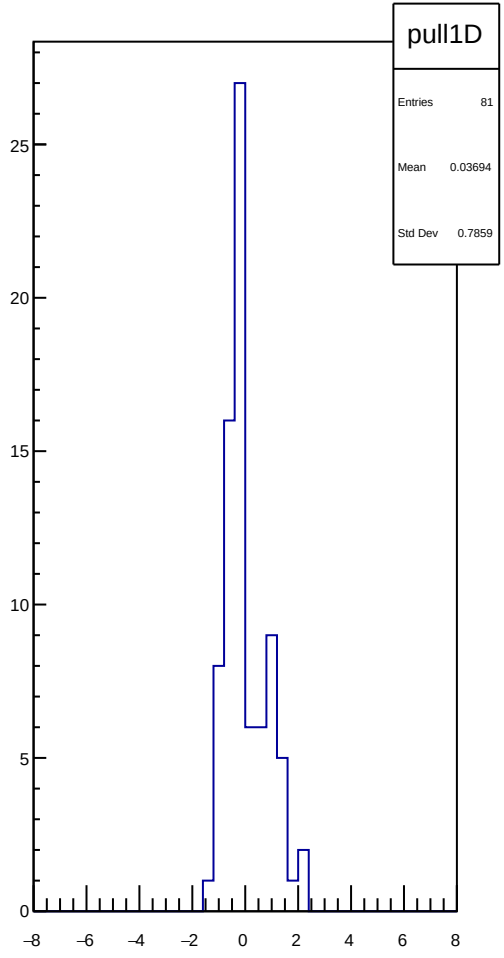

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 41.37 / 80
p0 68.13 ± 0.7396
pull
Entries 81
Mean 125.8
Std Dev 77.17

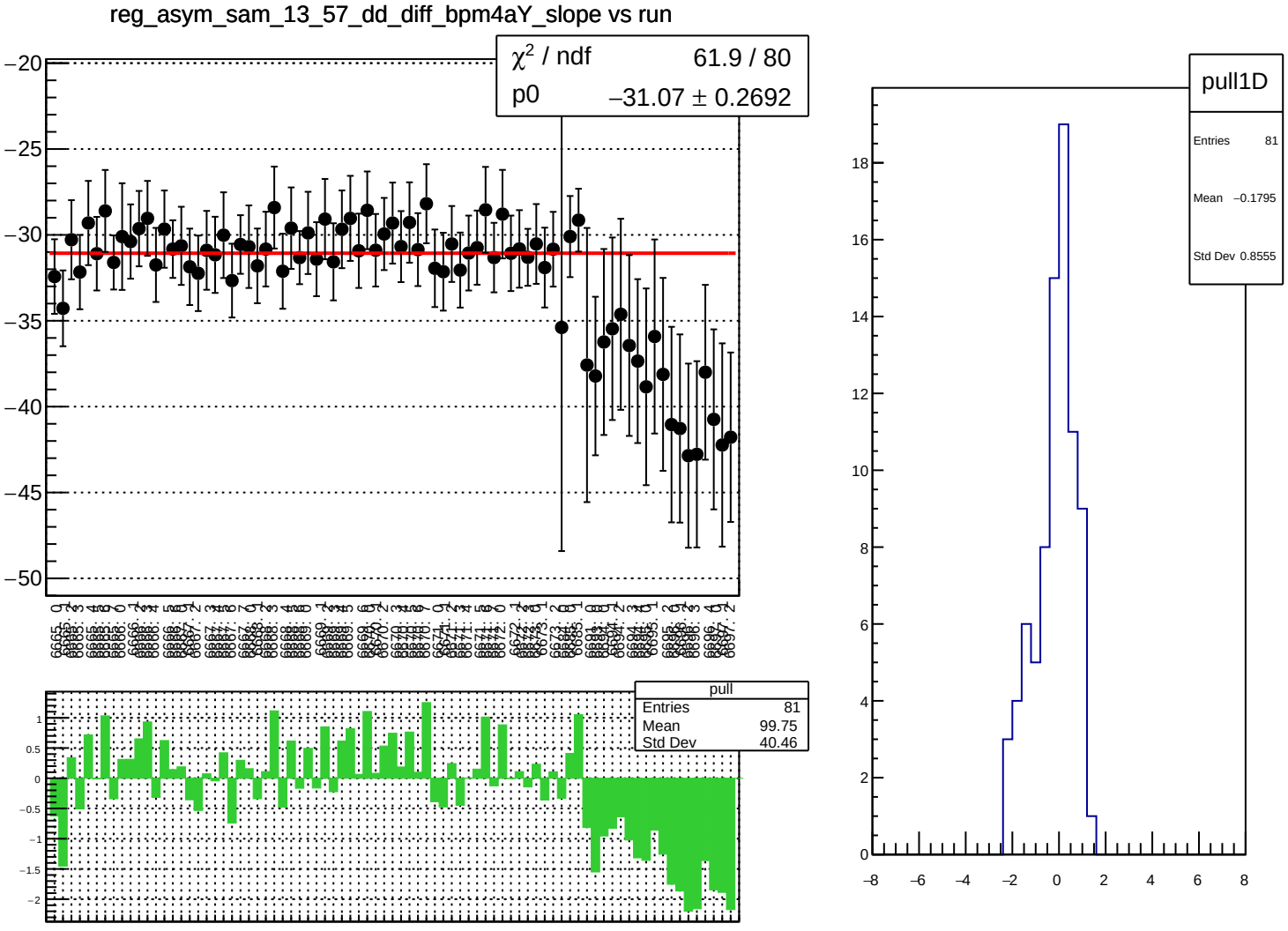

pull1D
Entries 81
Mean −0.1007
Std Dev 0.7075


reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 58.25 / 80
p0 0.001598 ± 0.03217
pull
Entries 81
Mean 2753
Std Dev 2705

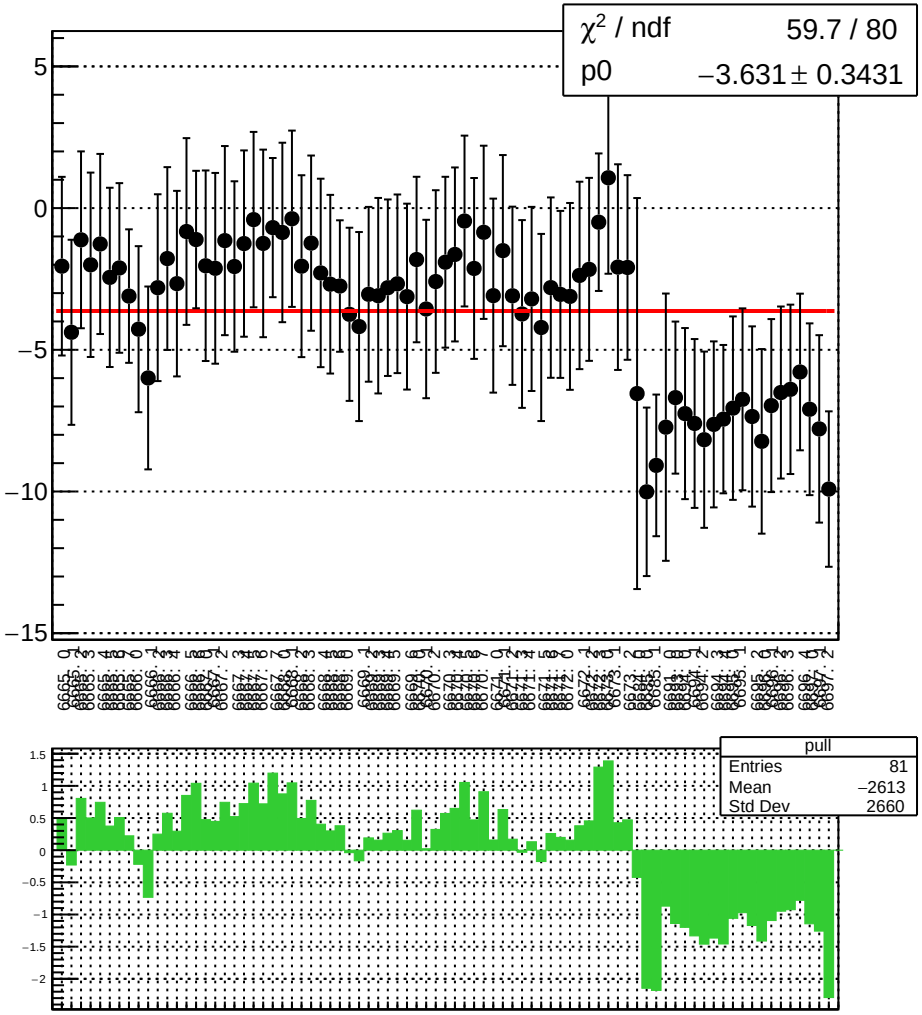

pull1D
Entries 81
Mean −0.00518
Std Dev 0.848

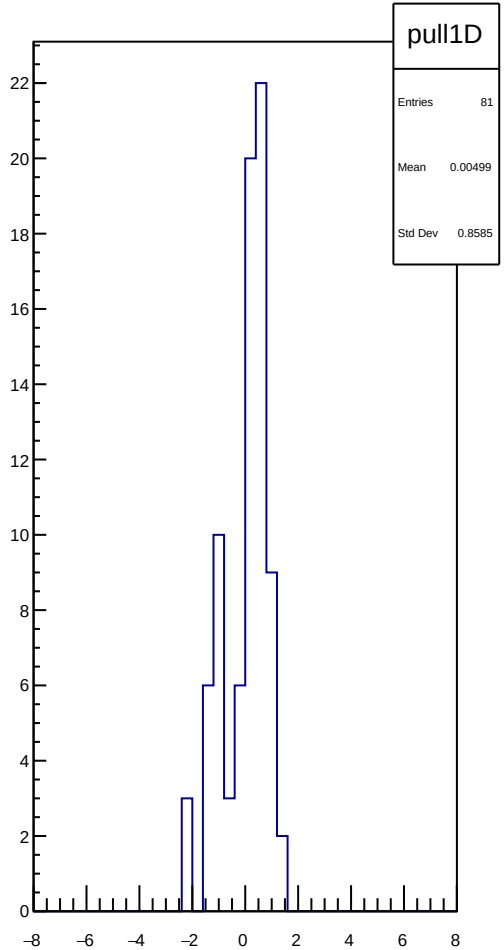

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 50.14 / 80
p0 −11.14 ± 0.3246
pull
Entries 81
Mean 354.2
Std Dev 305.9

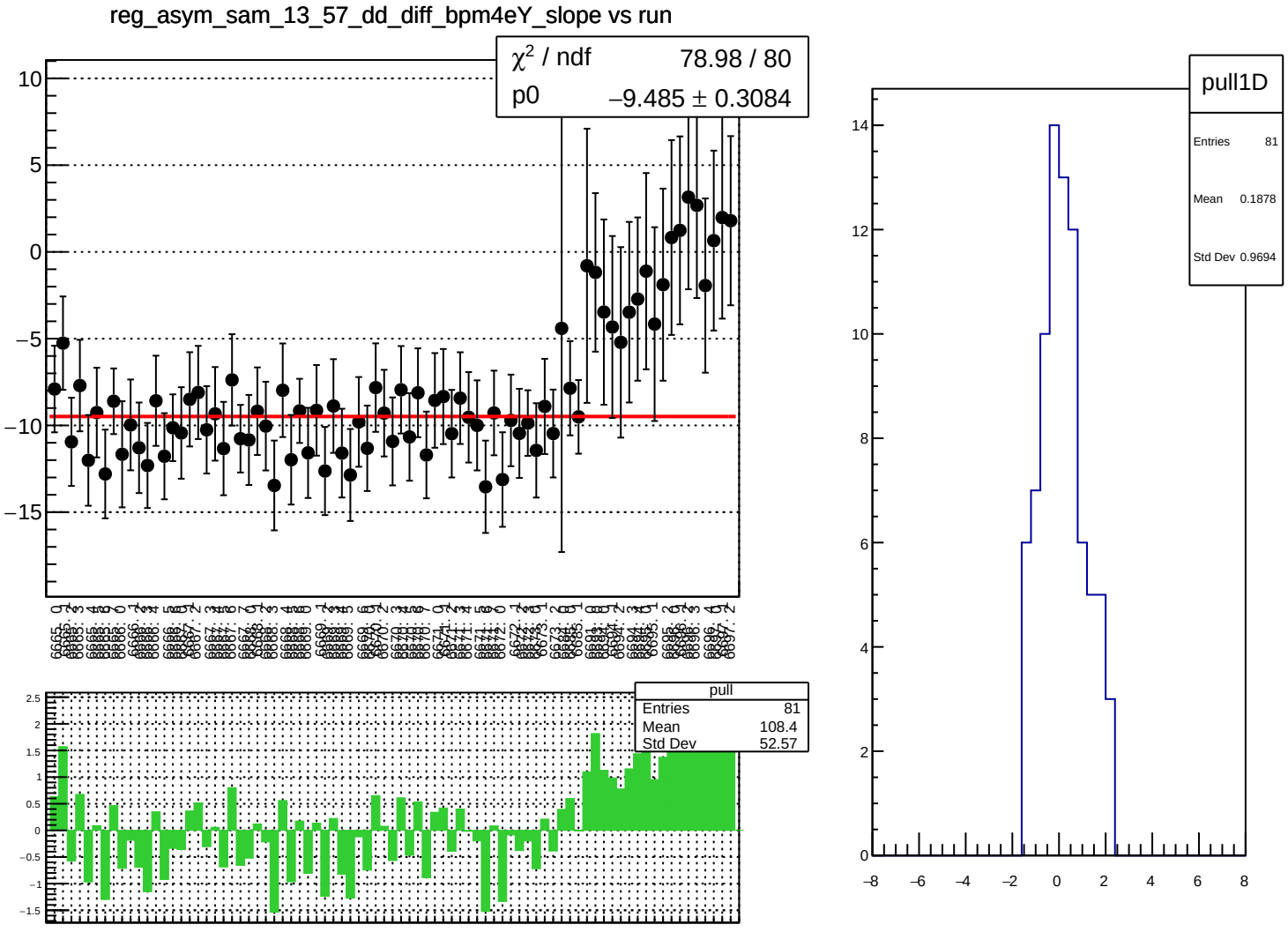

pull1D
Entries 81
Mean 0.03694
Std Dev 0.7859

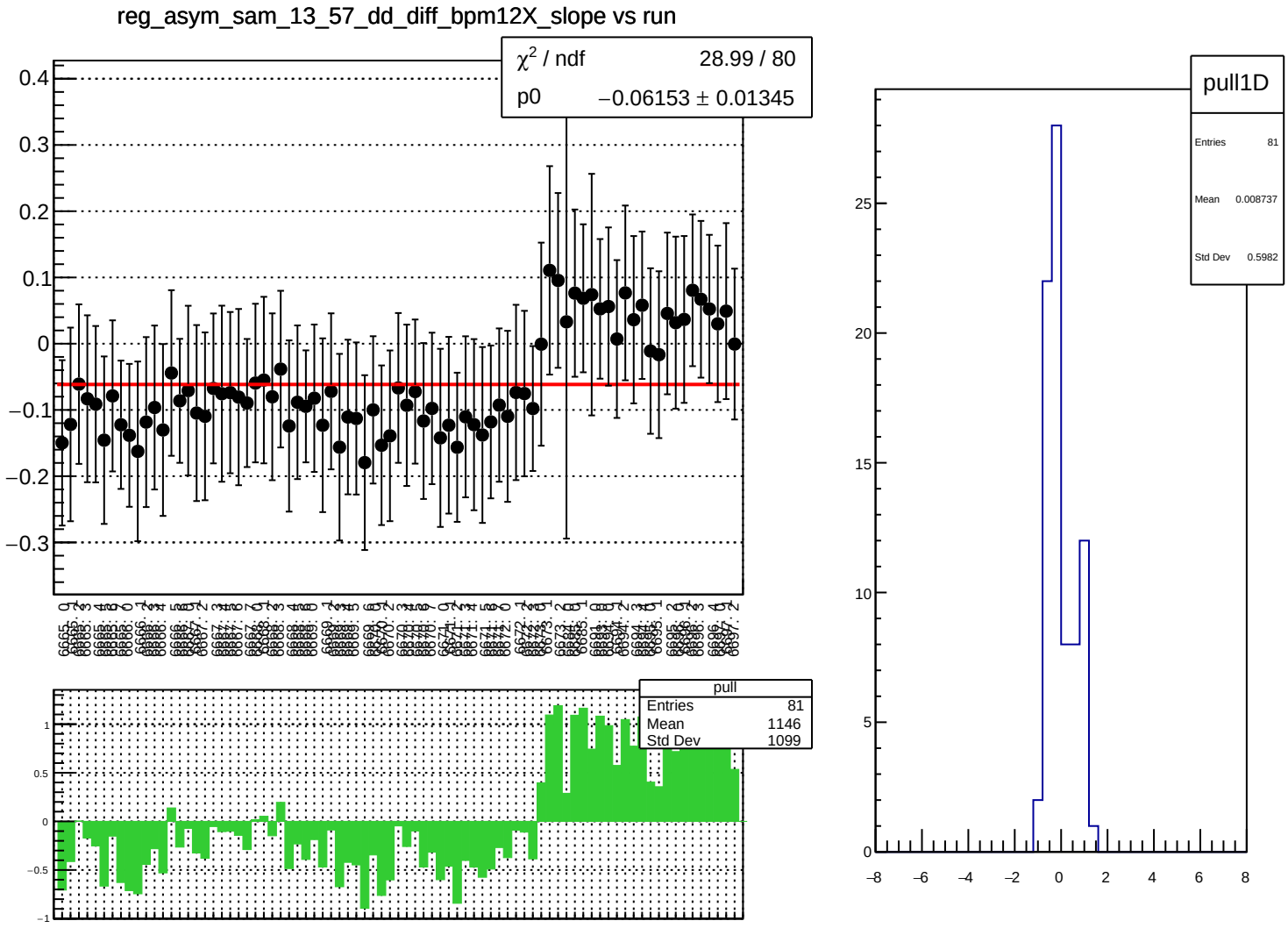

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 61.9 / 80
p0 −31.07 ± 0.2692
pull
Entries 81
Mean 99.75
Std Dev 40.46
pull1D
Entries 81
Mean −0.1795
Std Dev 0.8555

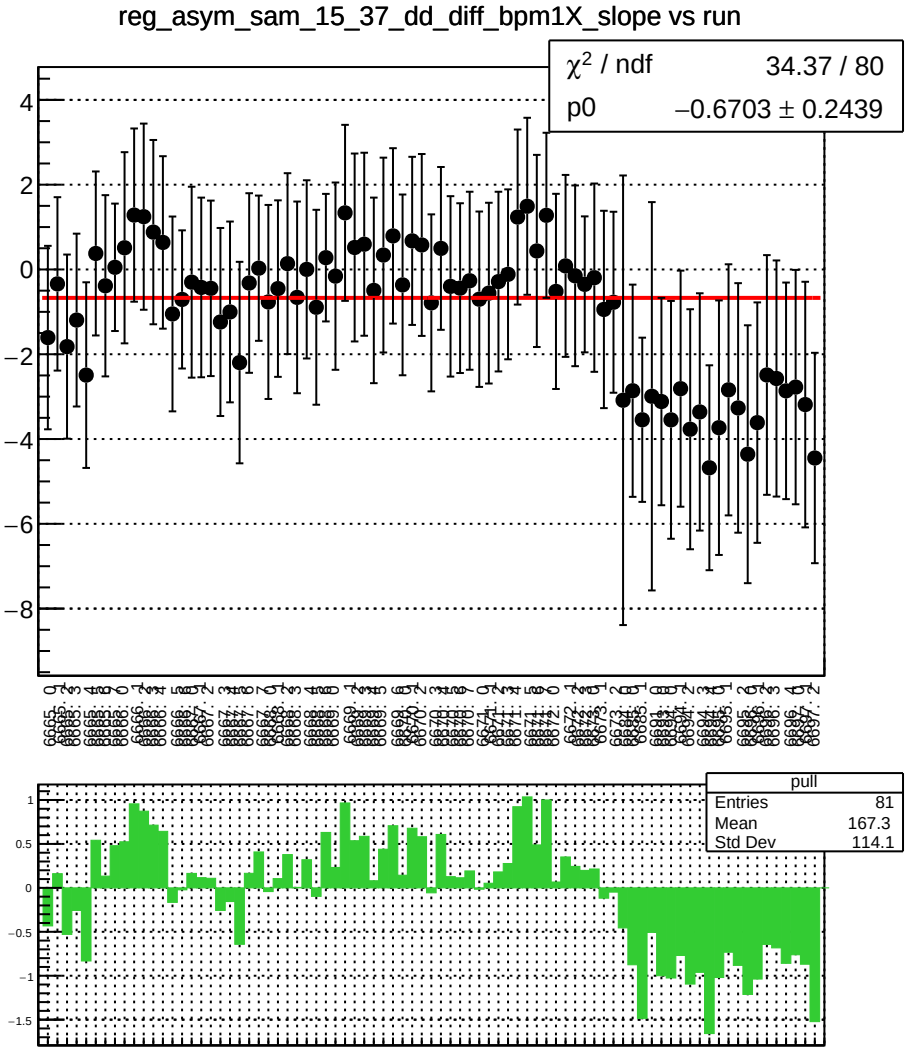
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

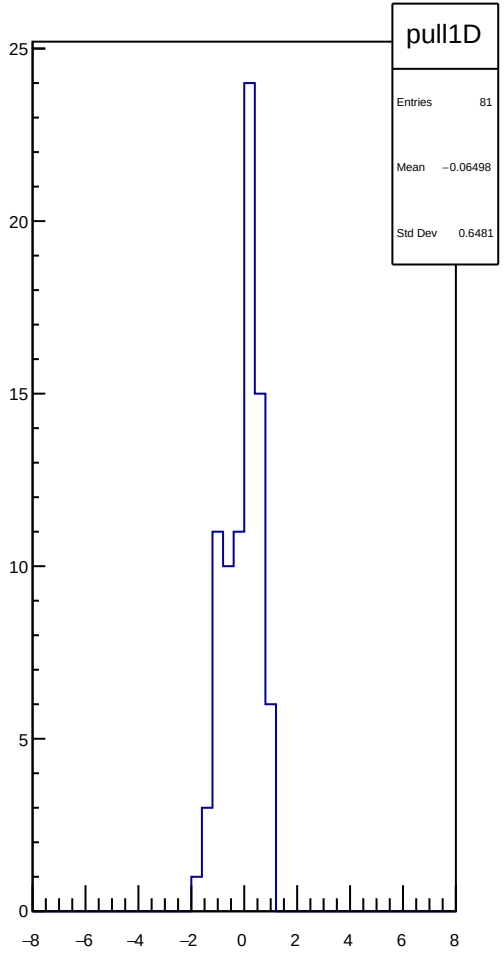


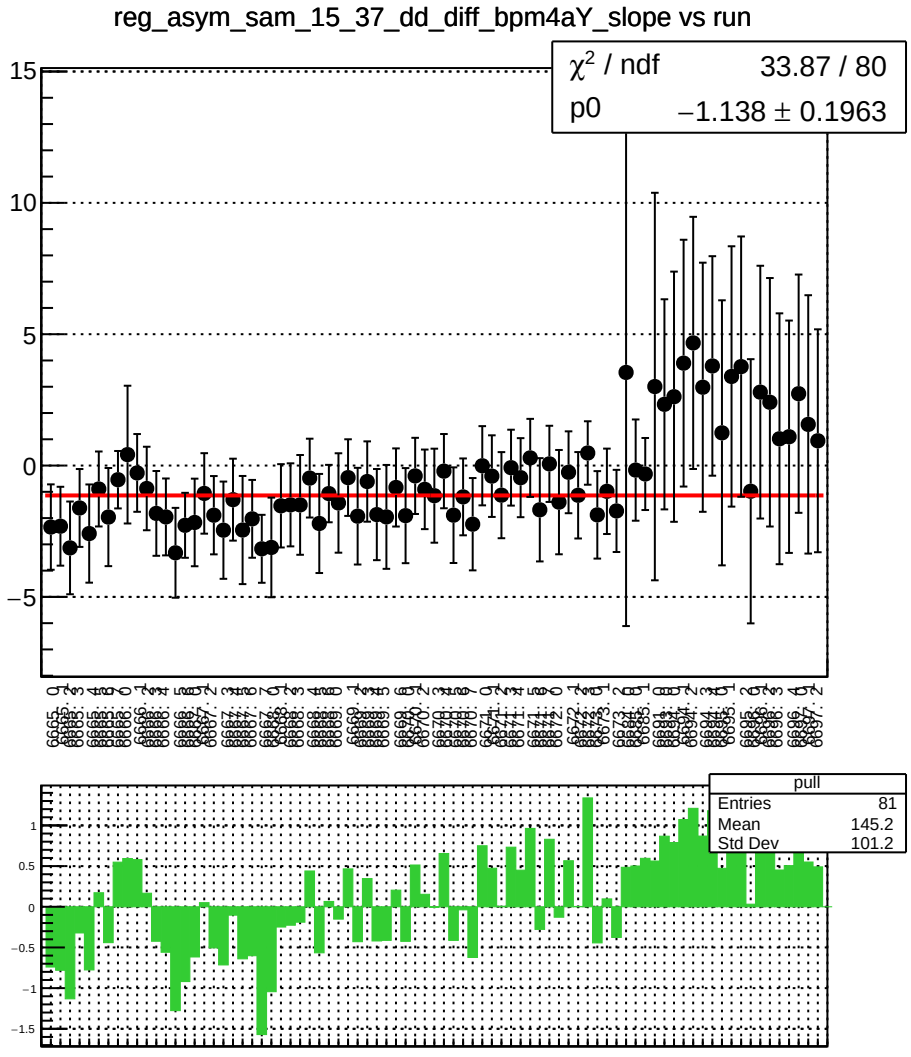


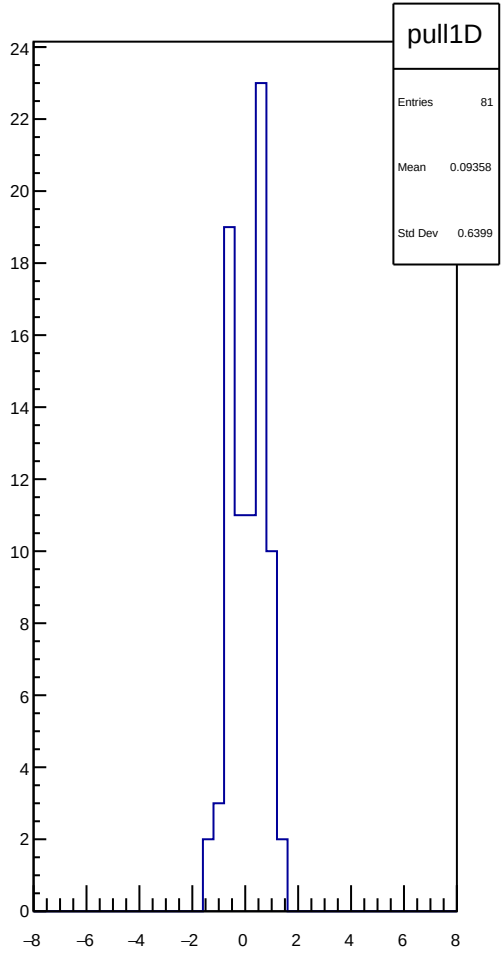

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 78.98 / 80
p0 −9.485 ± 0.3084
pull
Entries 81
Mean 108.4
Std Dev 52.57
pull1D
Entries 81
Mean 0.1878
Std Dev 0.9694

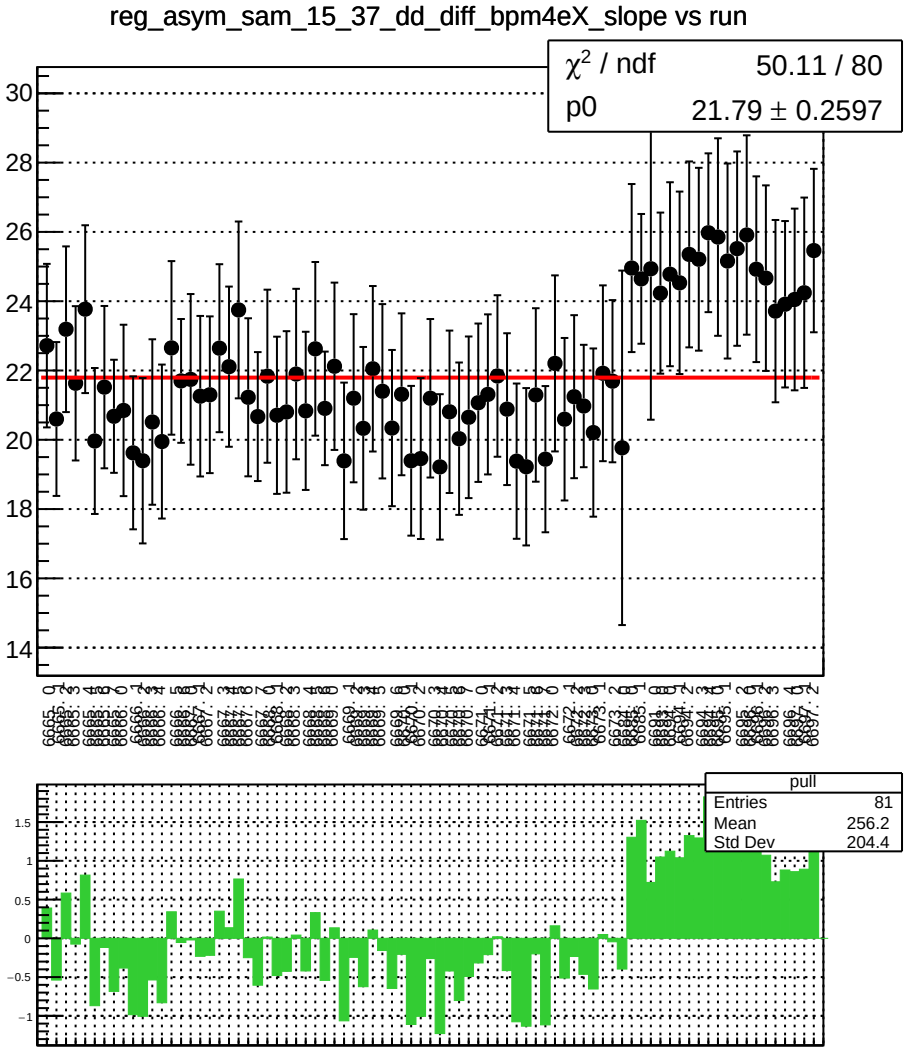

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 28.99 / 80
p0 −0.06153 ± 0.01345
pull
Entries 81
Mean 1146
Std Dev 1099
pull1D
Entries 81
Mean 0.008737
Std Dev 0.5982

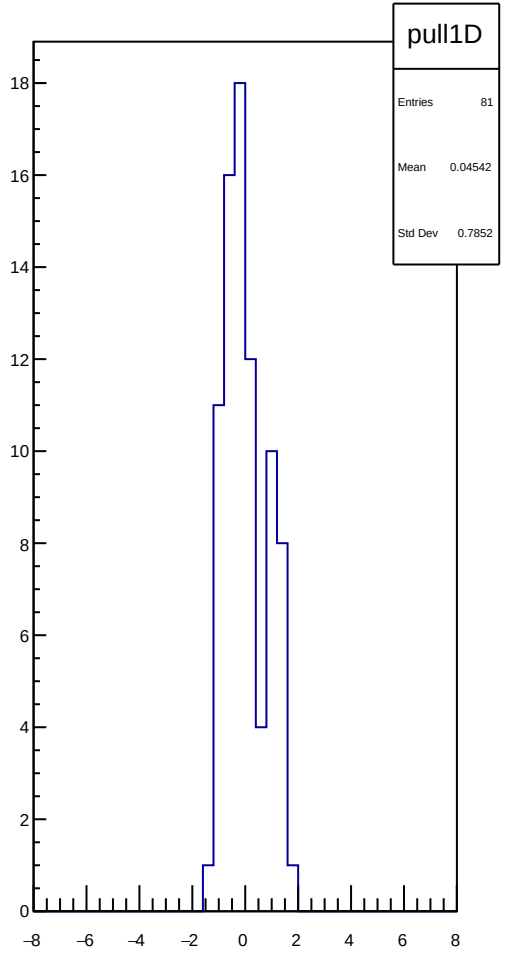

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 34.37 / 80
p0 −0.6703 ± 0.2439
pull
Entries 81
Mean 167.3
Std Dev 114.1

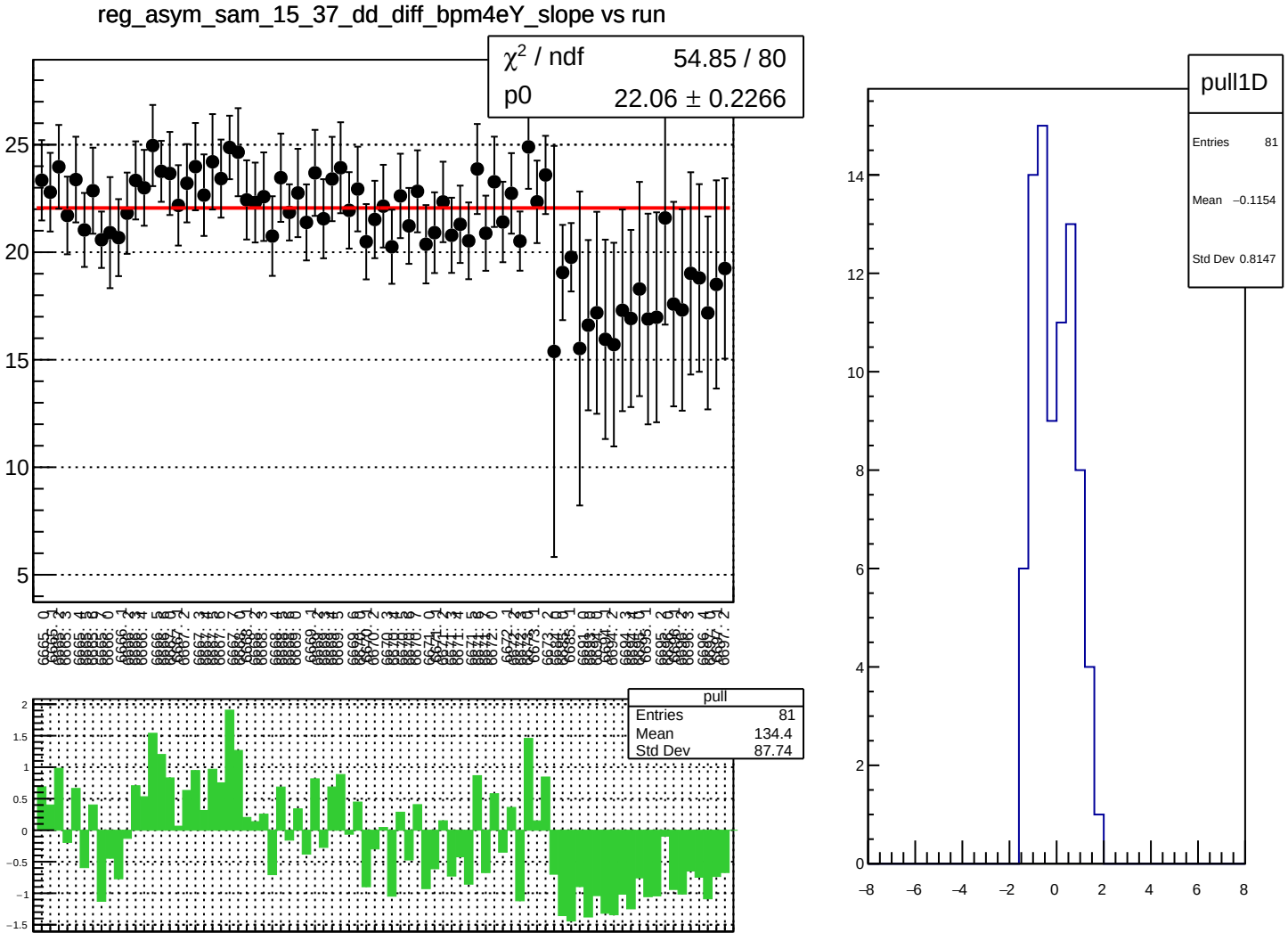

pull1D
Entries 81
Mean −0.06498
Std Dev 0.6481


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.87 / 80
p0 −1.138 ± 0.1963
pull
Entries 81
Mean 145.2
Std Dev 101.2

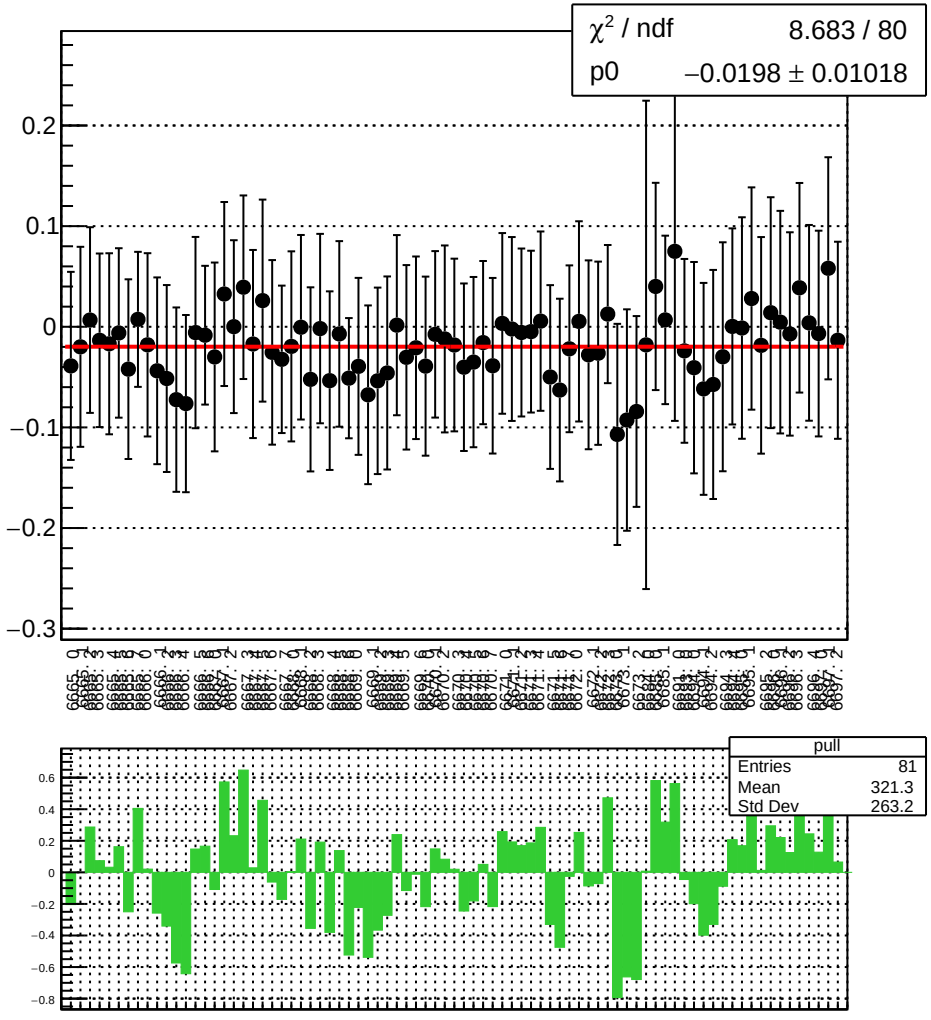

pull1D
Entries 81
Mean 0.09358
Std Dev 0.6399

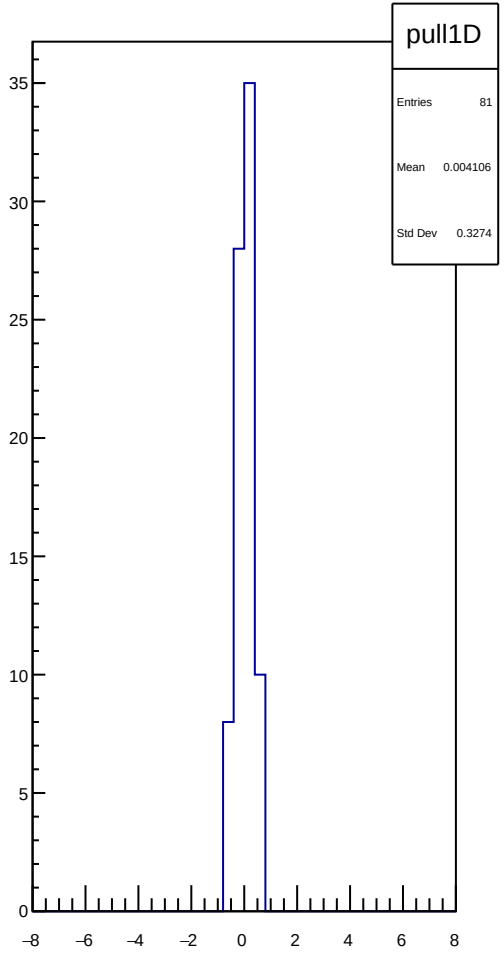

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.11 / 80
p0 21.79 ± 0.2597
pull
Entries 81
Mean 256.2
Std Dev 204.4

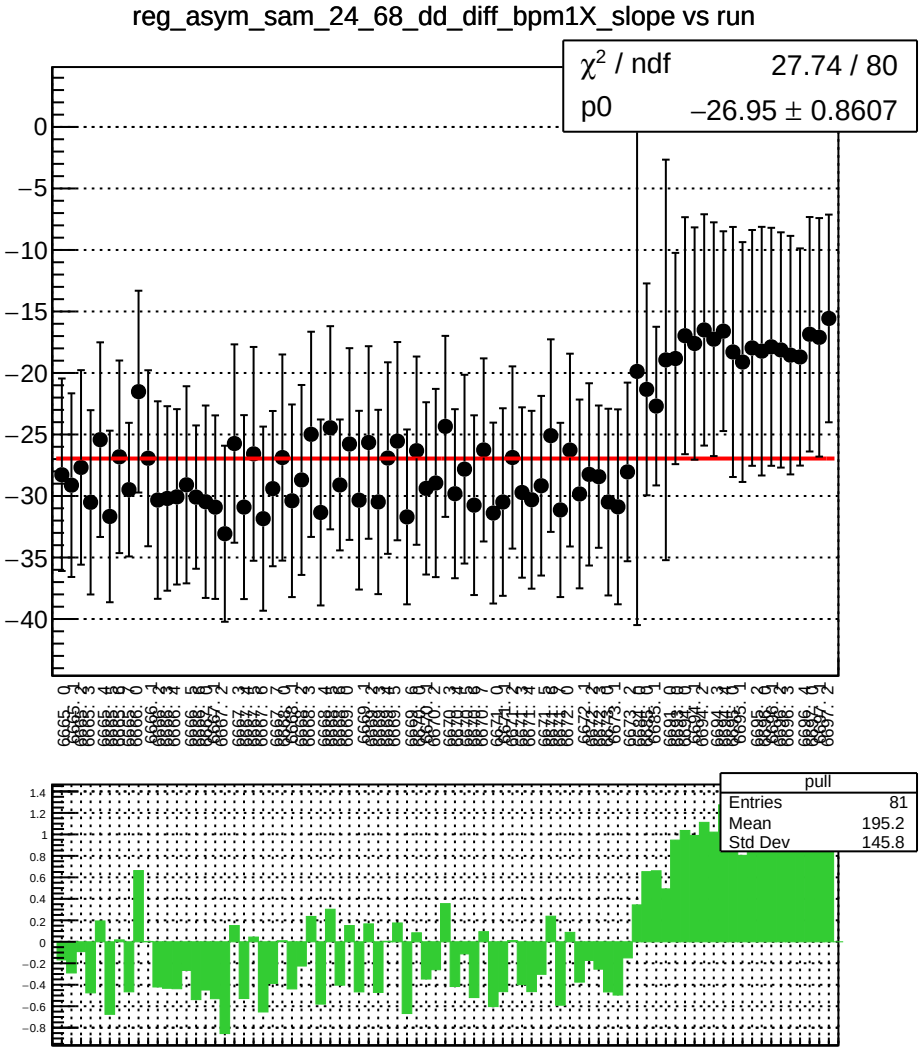

pull1D
Entries 81
Mean 0.04542
Std Dev 0.7852

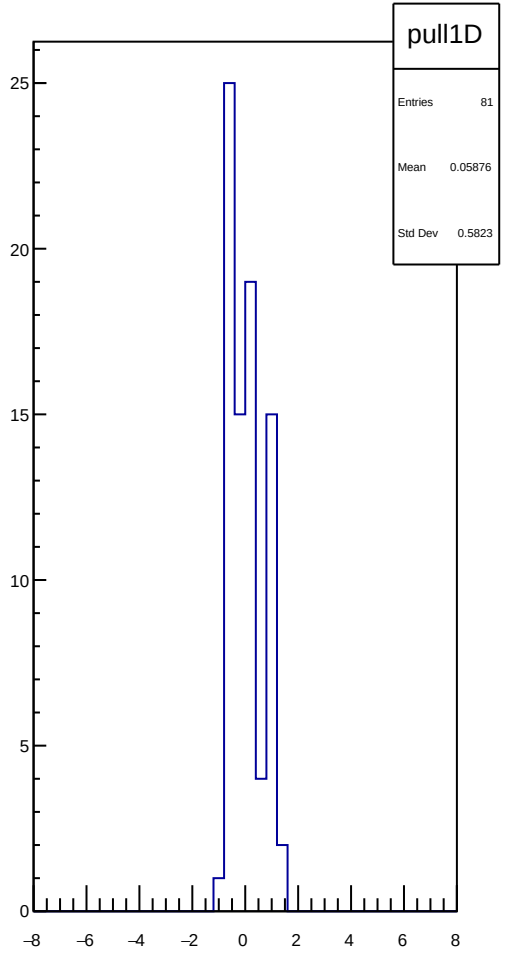

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 54.85 / 80
p0 22.06 ± 0.2266
pull
Entries 81
Mean 134.4
Std Dev 87.74
pull1D
Entries 81
Mean −0.1154
Std Dev 0.8147

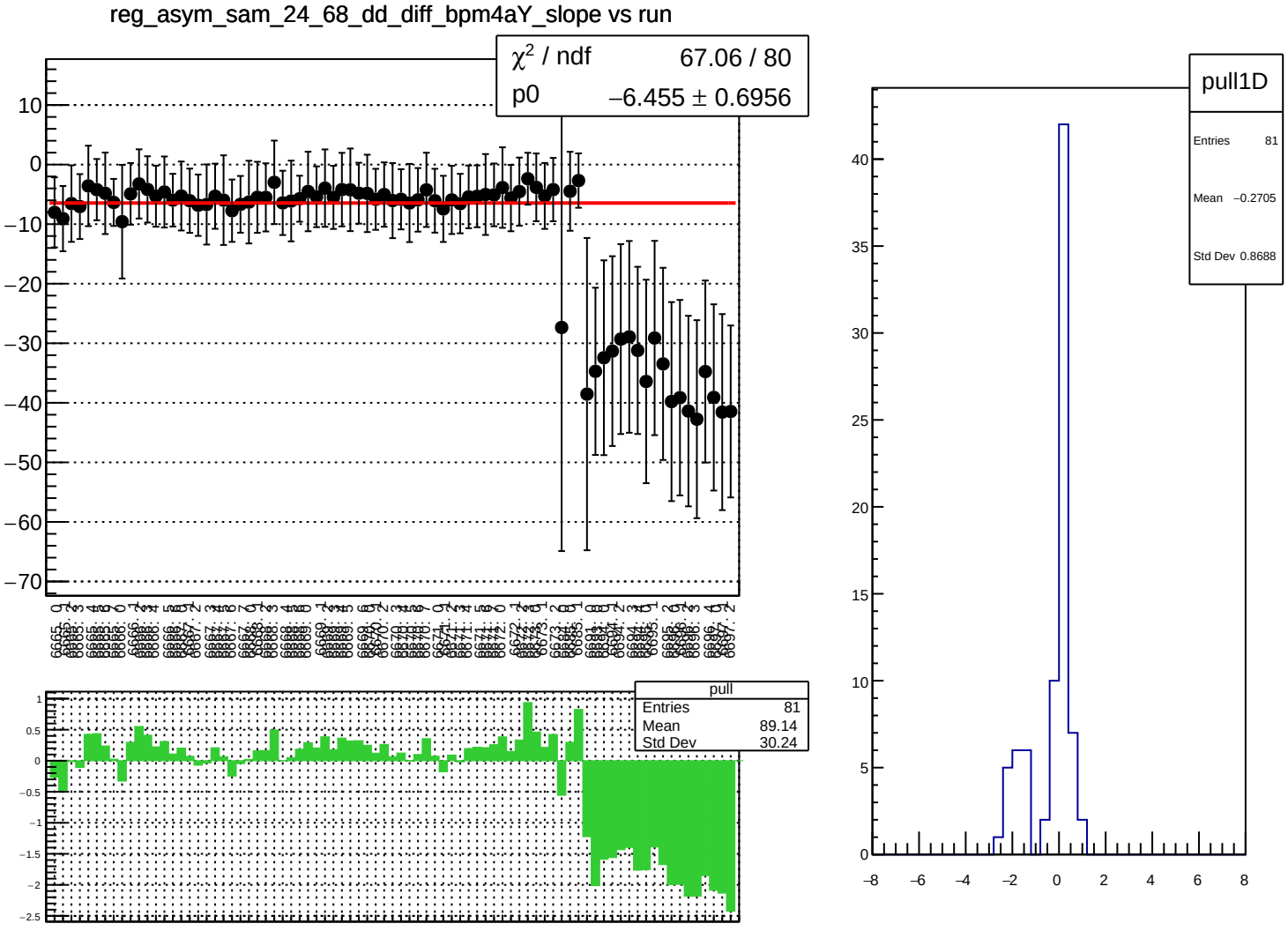
reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run

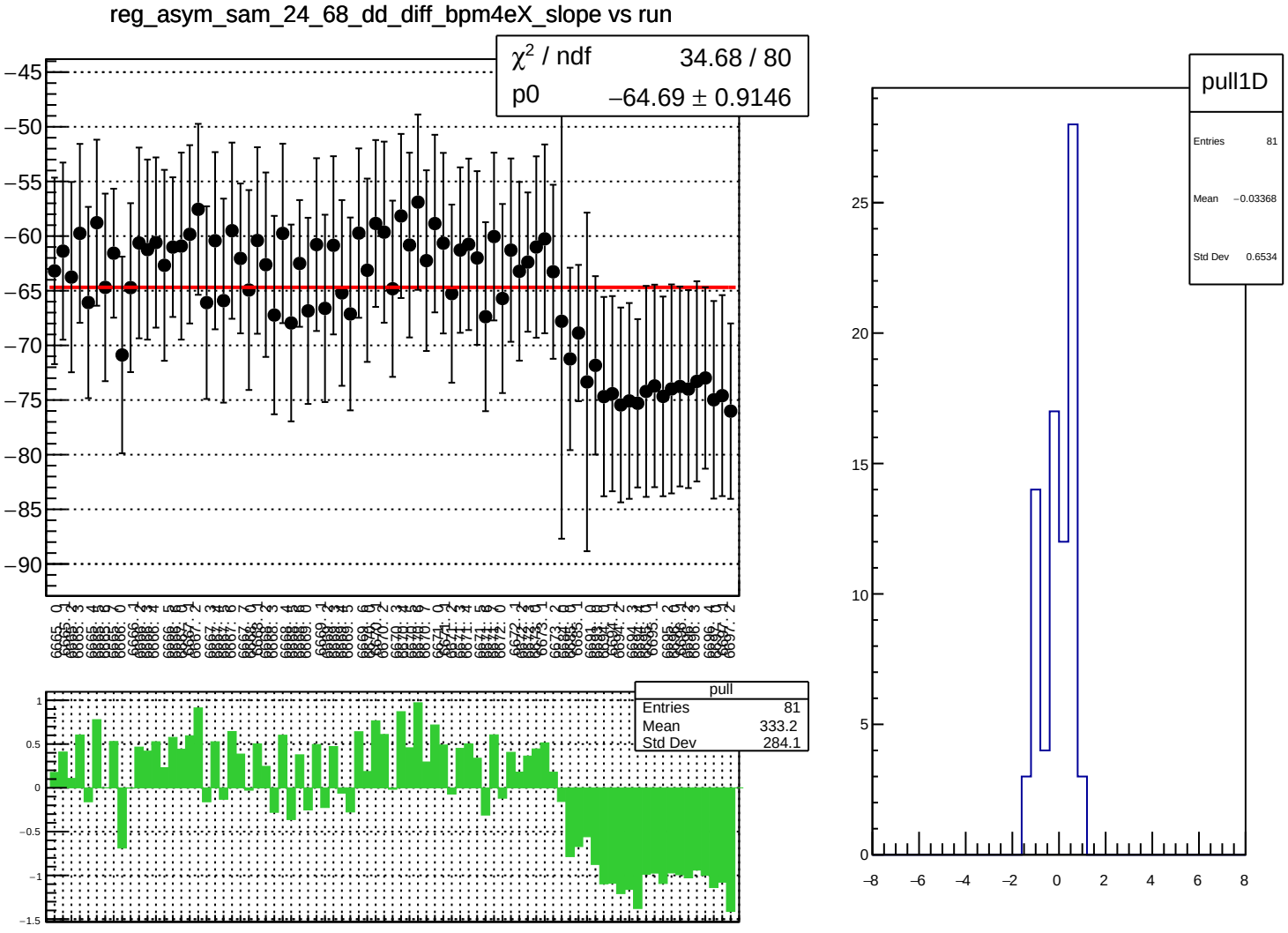


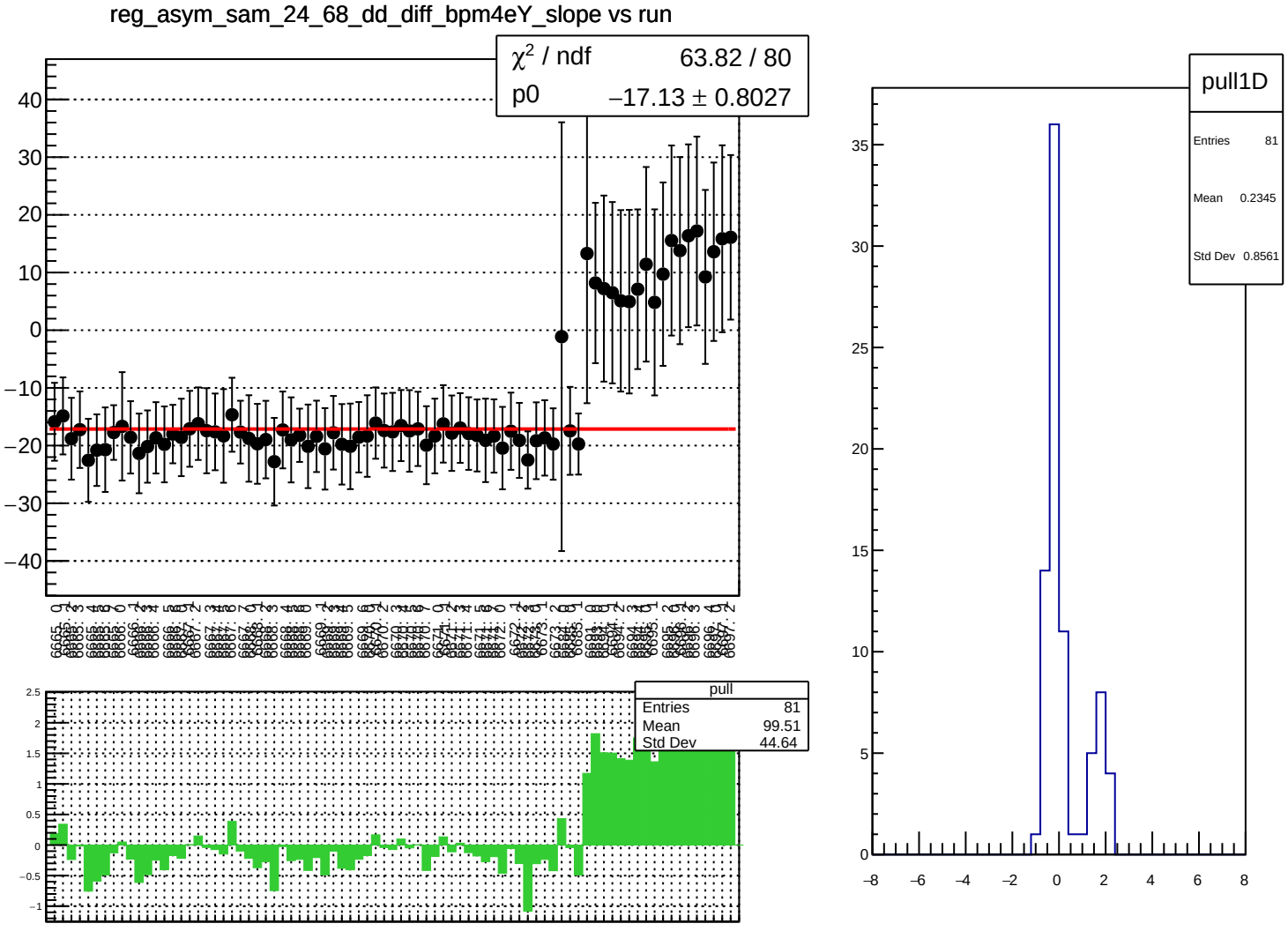


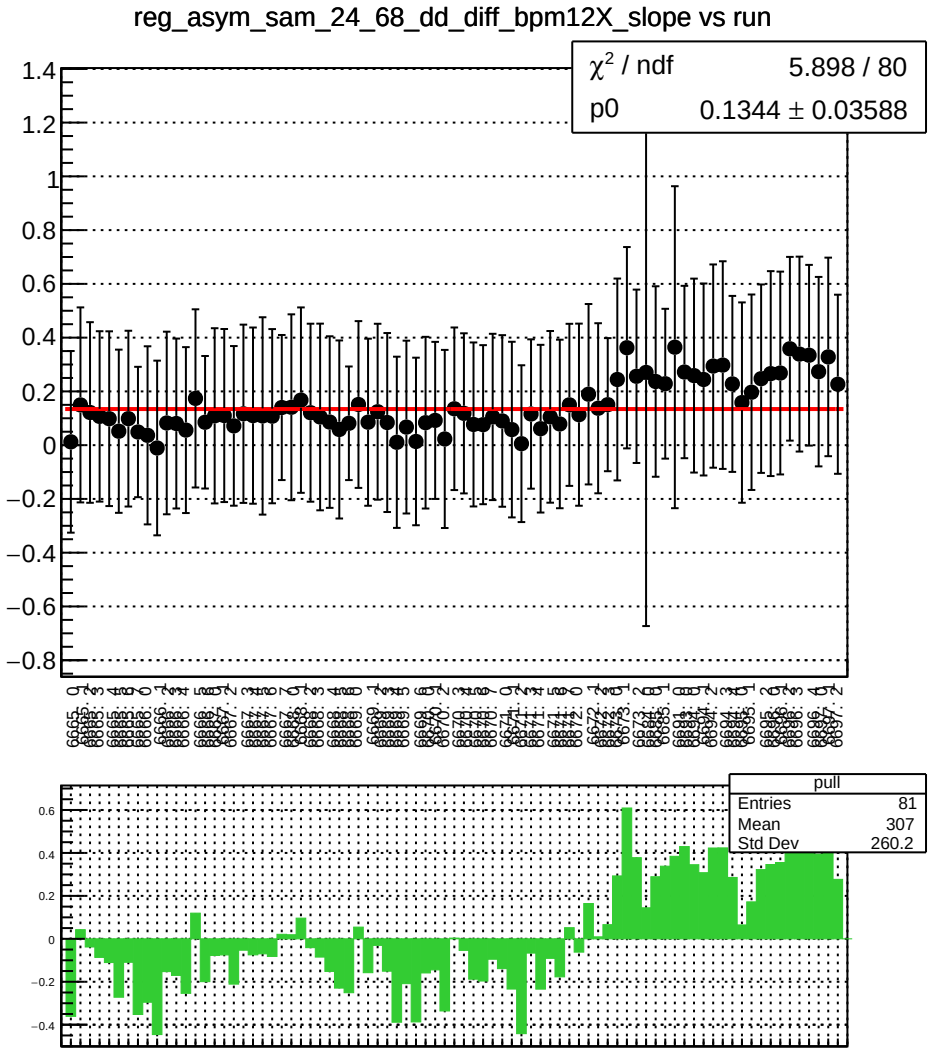

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.74 / 80
p0 −26.95 ± 0.8607
pull
Entries 81
Mean 195.2
Std Dev 145.8

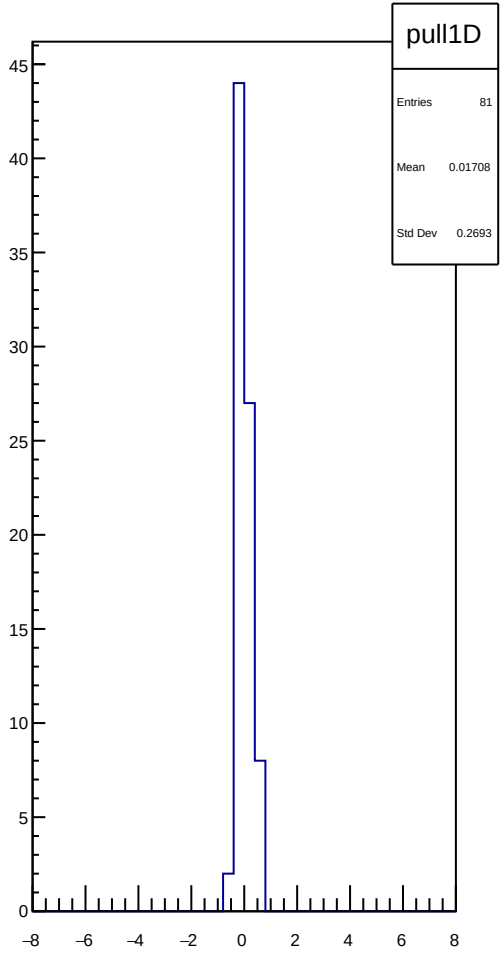

pull1D
Entries 81
Mean 0.05876
Std Dev 0.5823

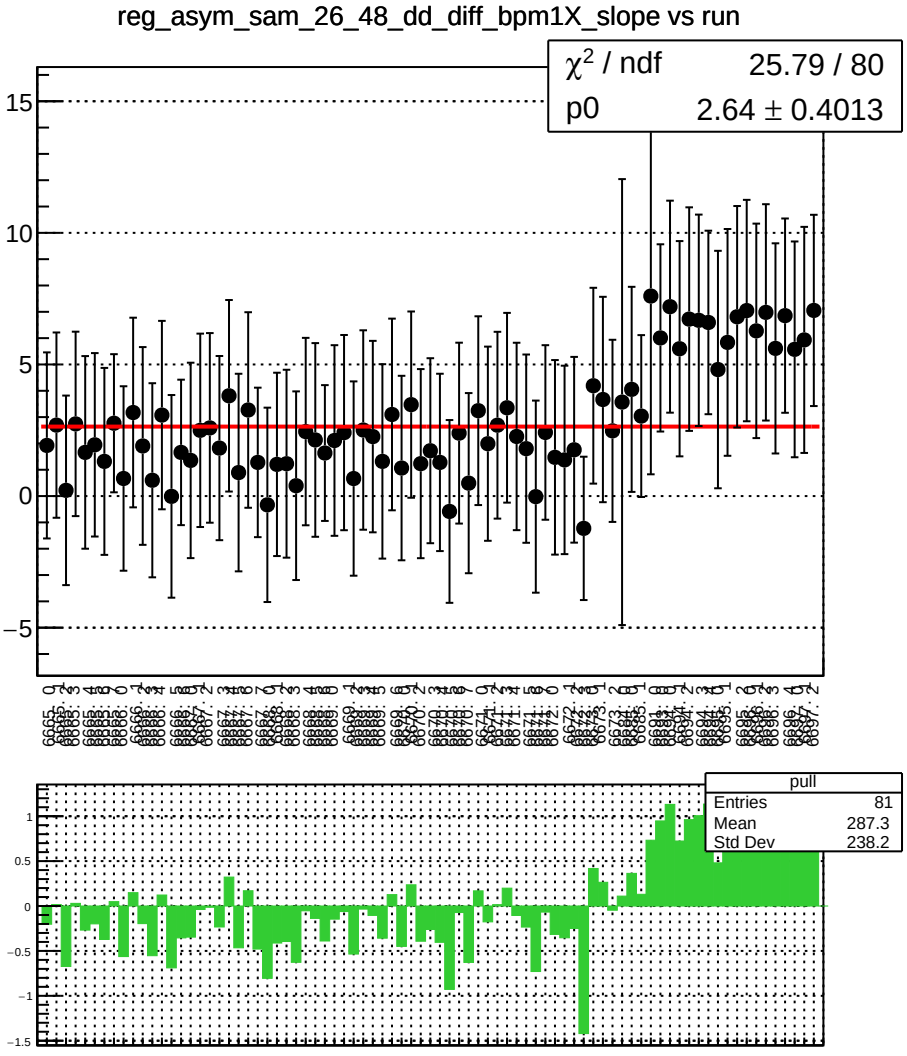

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.06 / 80
p0 −6.455 ± 0.6956
pull
Entries 81
Mean 89.14
Std Dev 30.24
pull1D
Entries 81
Mean −0.2705
Std Dev 0.8688

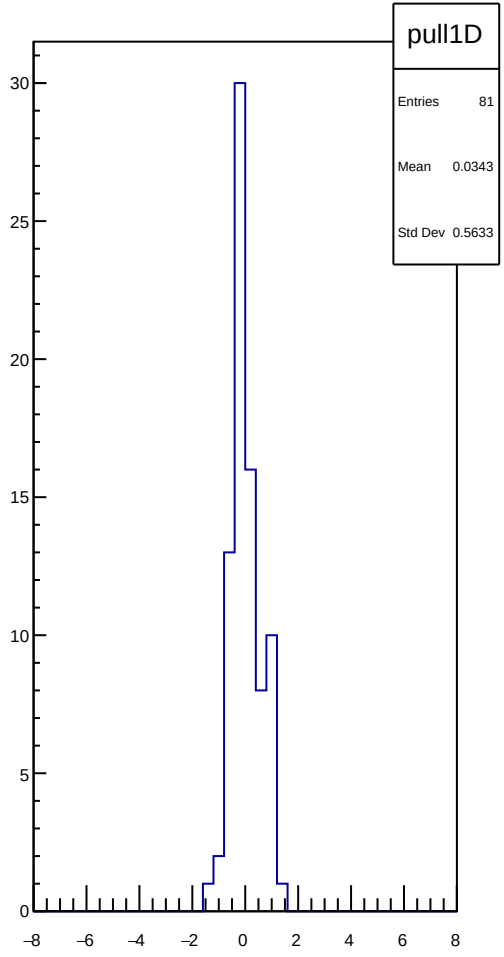

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.68 / 80
p0 −64.69 ± 0.9146
pull
Entries 81
Mean 333.2
Std Dev 284.1
pull1D
Entries 81
Mean −0.03368
Std Dev 0.6534

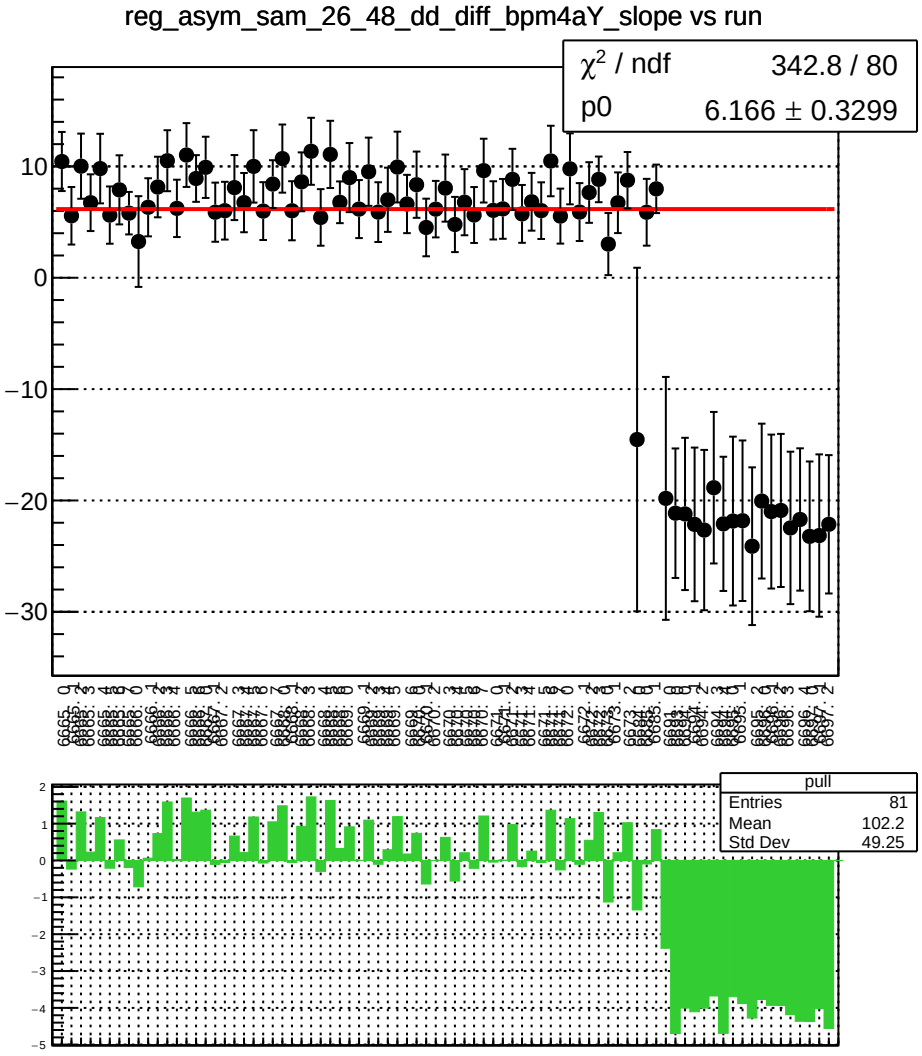

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.82 / 80
p0 −17.13 ± 0.8027
pull
Entries 81
Mean 99.51
Std Dev 44.64
pull1D
Entries 81
Mean 0.2345
Std Dev 0.8561

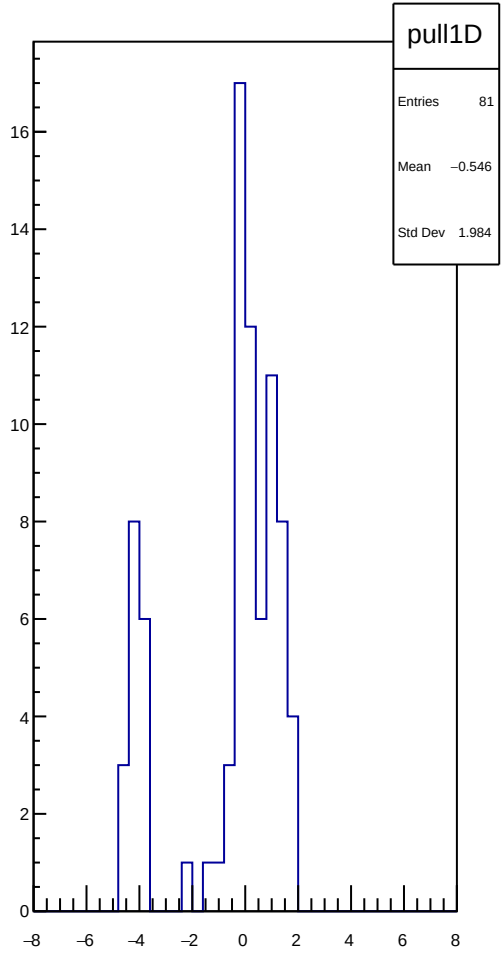

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 5.898 / 80
p0 0.1344 ± 0.03588
pull
Entries 81
Mean 307
Std Dev 260.2

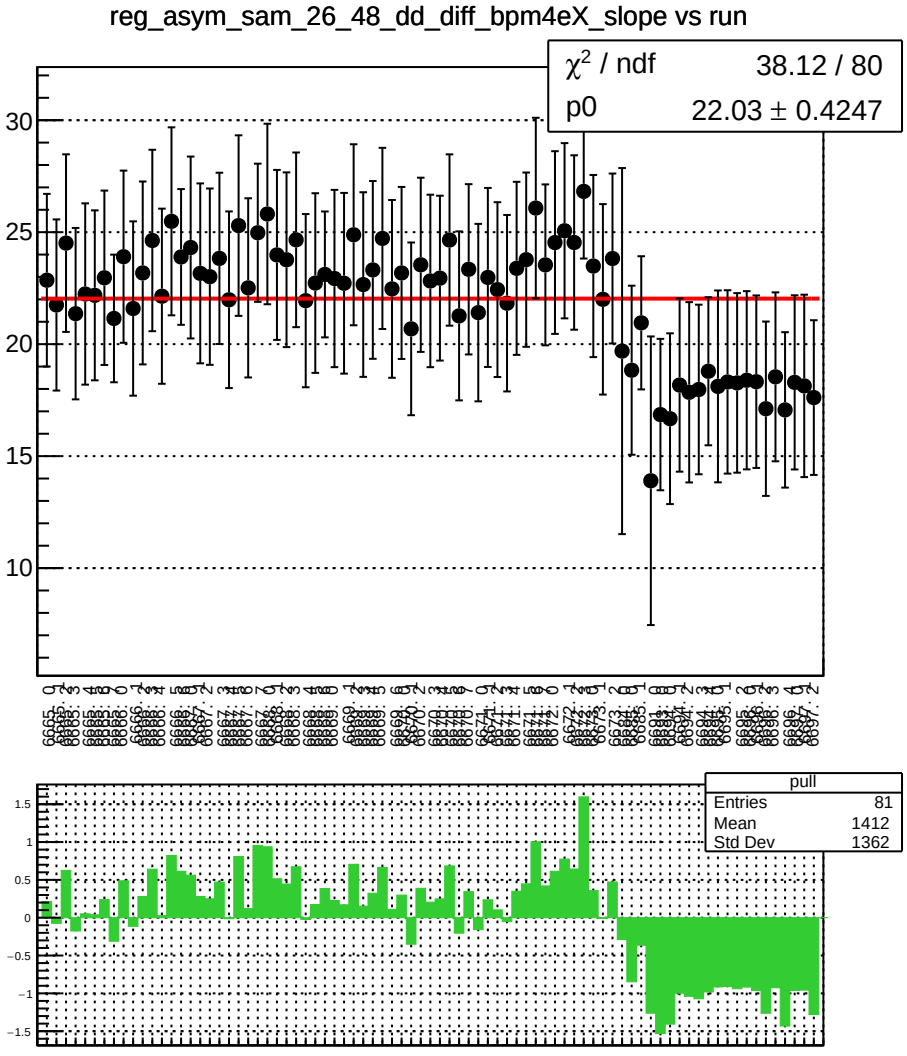

pull1D
Entries 81
Mean 0.01708
Std Dev 0.2693

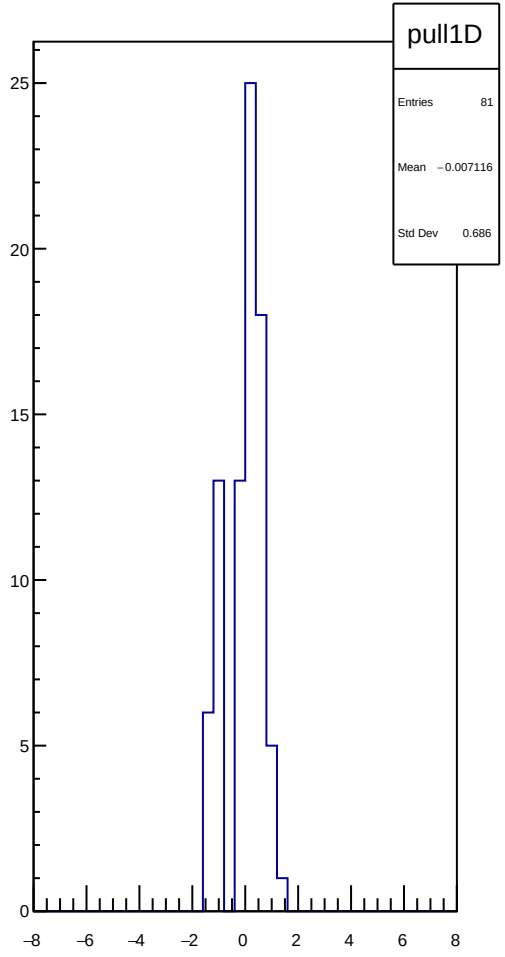

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 25.79 / 80
p0 2.64 ± 0.4013
pull
Entries 81
Mean 287.3
Std Dev 238.2

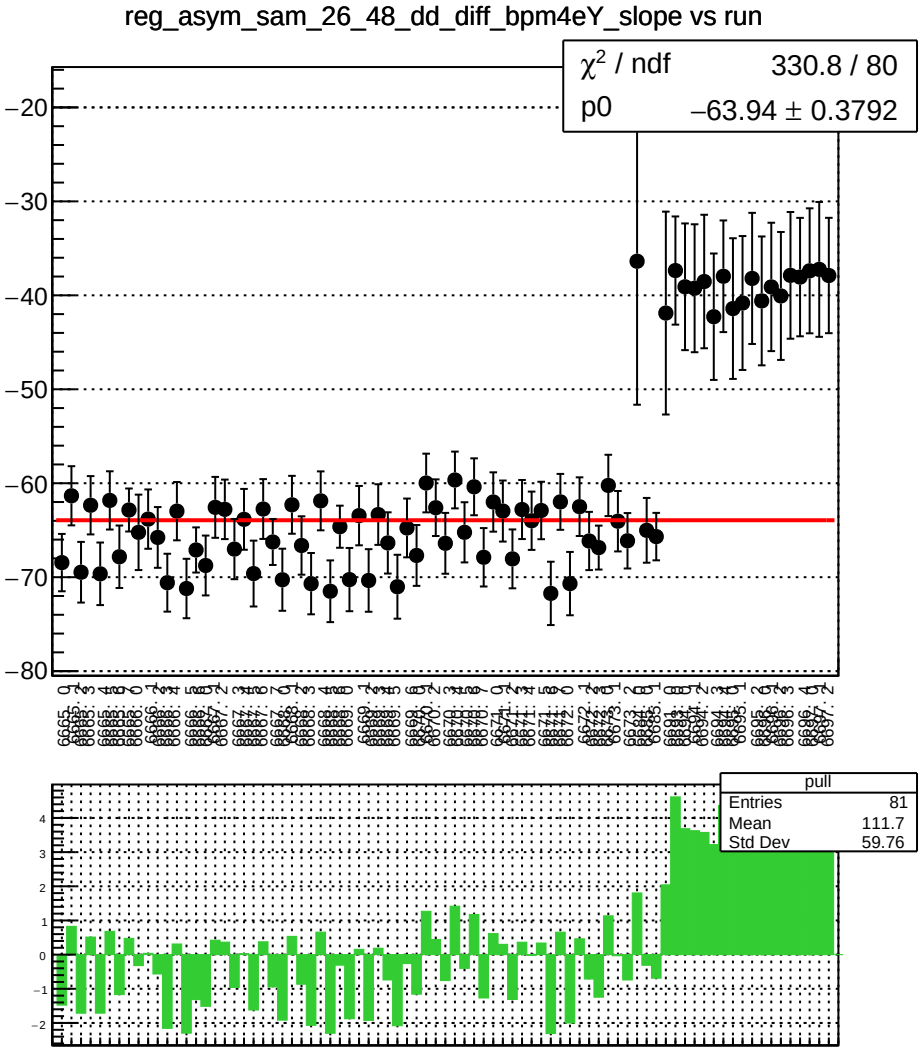

pull1D
Entries 81
Mean 0.0343
Std Dev 0.5633

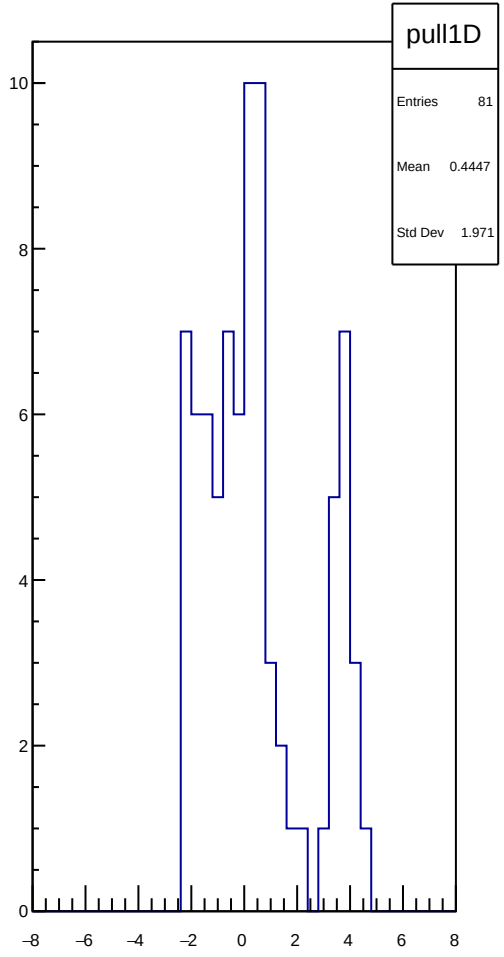

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 342.8 / 80
p0 6.166 ± 0.3299
pull
Entries 81
Mean 102.2
Std Dev 49.25

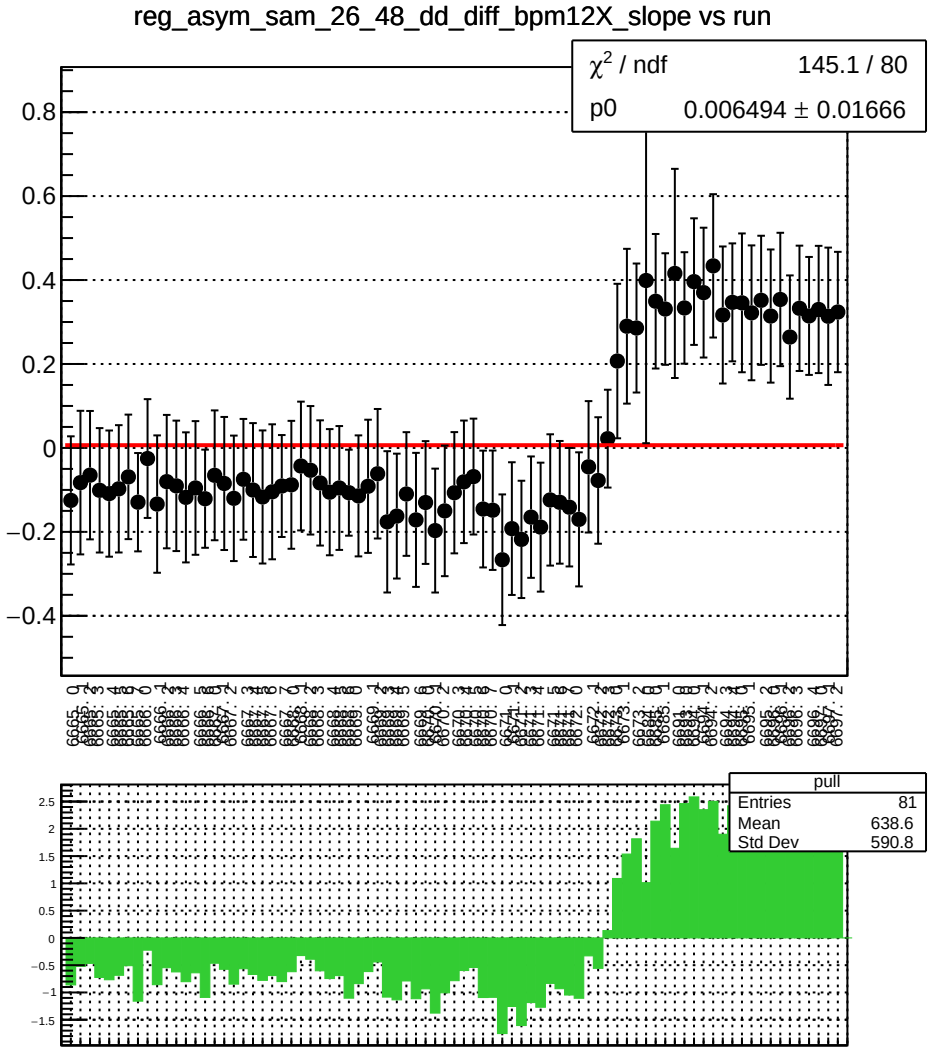

pull1D
Entries 81
Mean −0.546
Std Dev 1.984

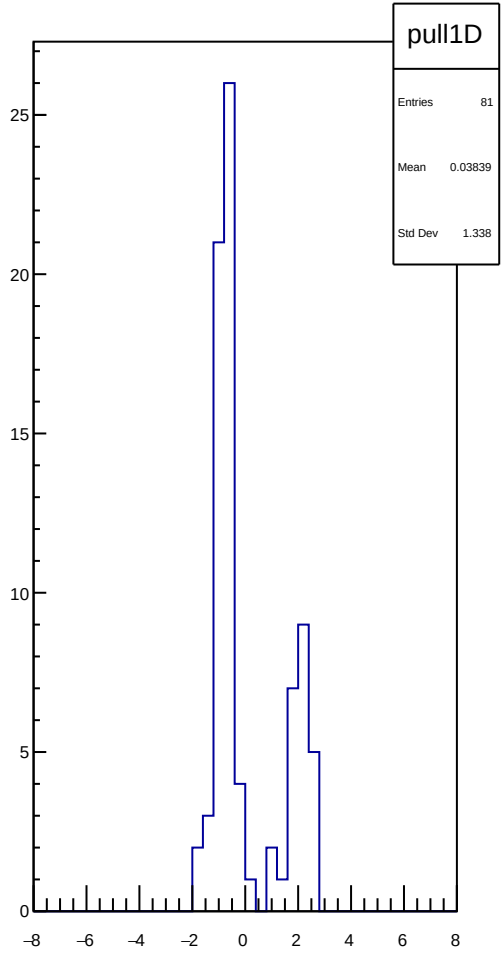

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 38.12 / 80
p0 22.03 ± 0.4247
pull
Entries 81
Mean 1412
Std Dev 1362

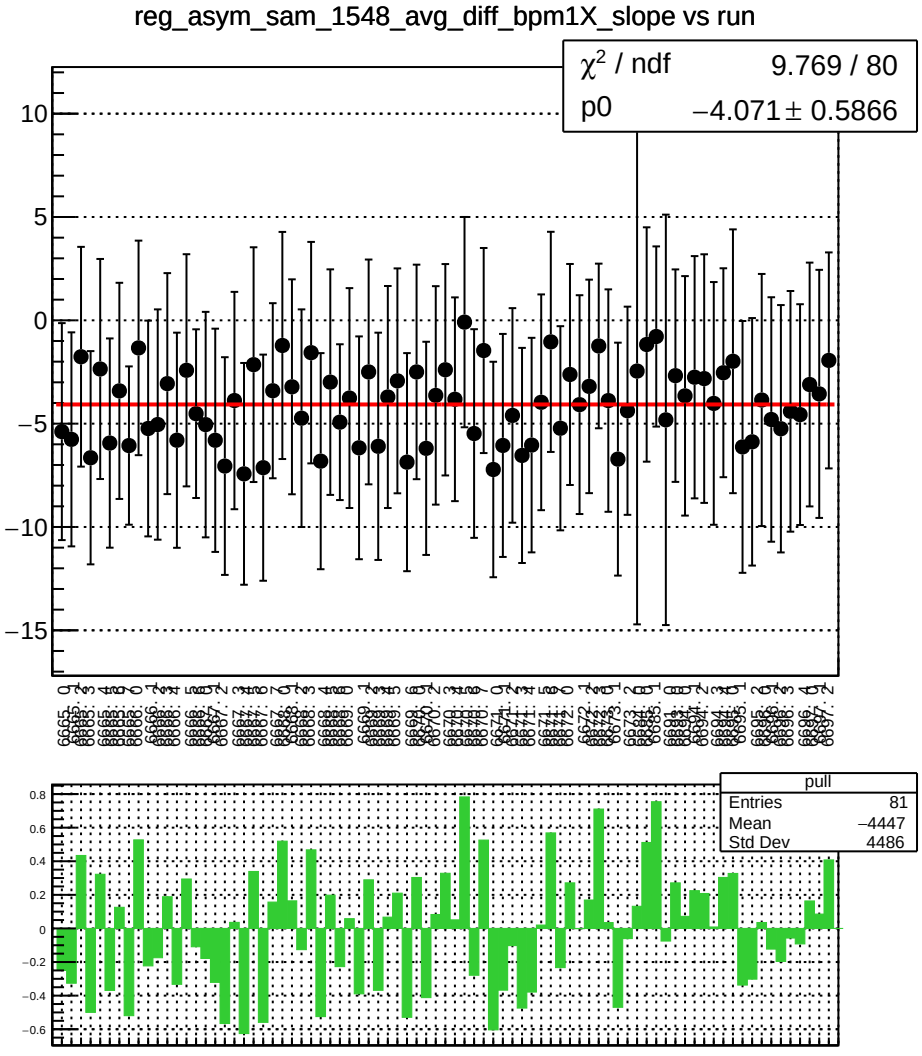

pull1D
Entries 81
Mean −0.007116
Std Dev 0.686

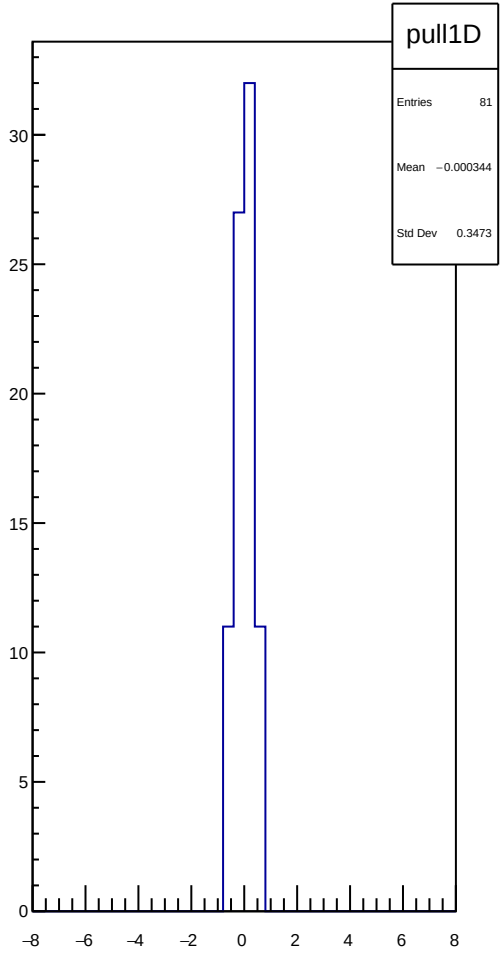

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 330.8 / 80
p0 −63.94 ± 0.3792
pull
Entries 81
Mean 111.7
Std Dev 59.76

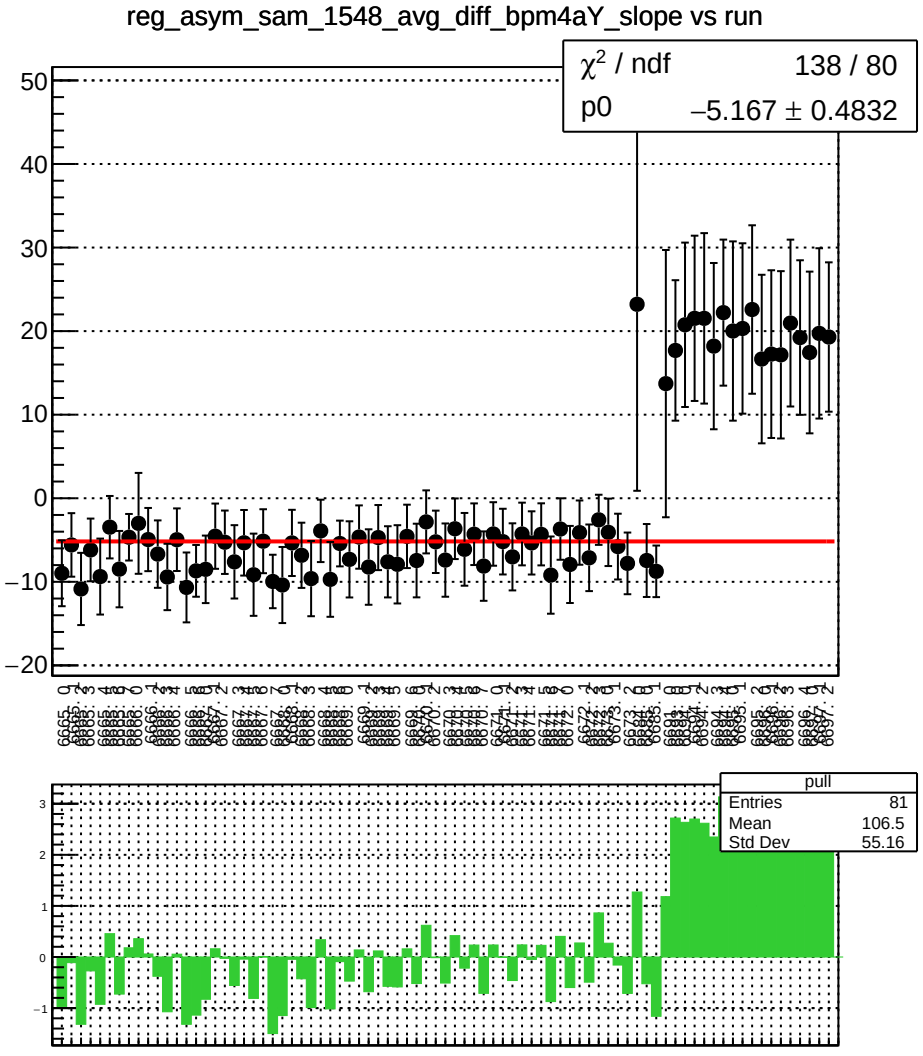

pull1D
Entries 81
Mean 0.4447
Std Dev 1.971

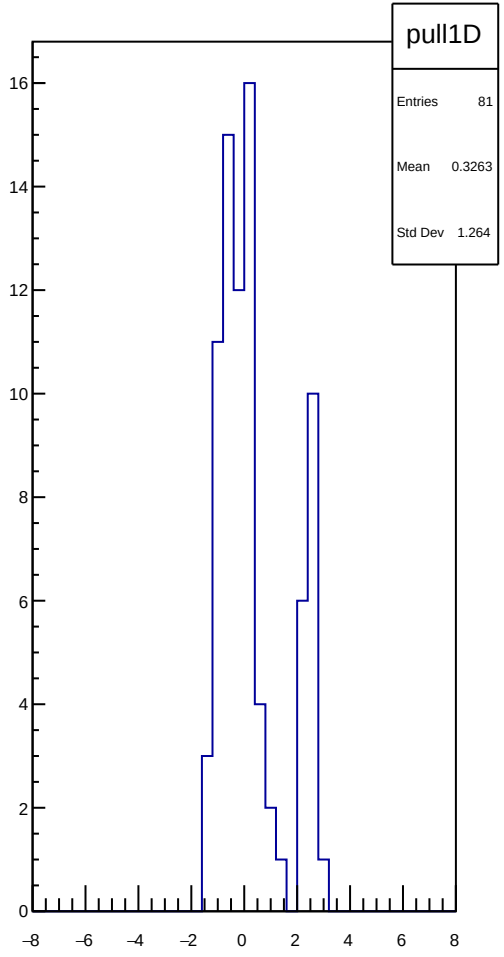

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 145.1 / 80
p0 0.006494 ± 0.01666
pull
Entries 81
Mean 638.6
Std Dev 590.8

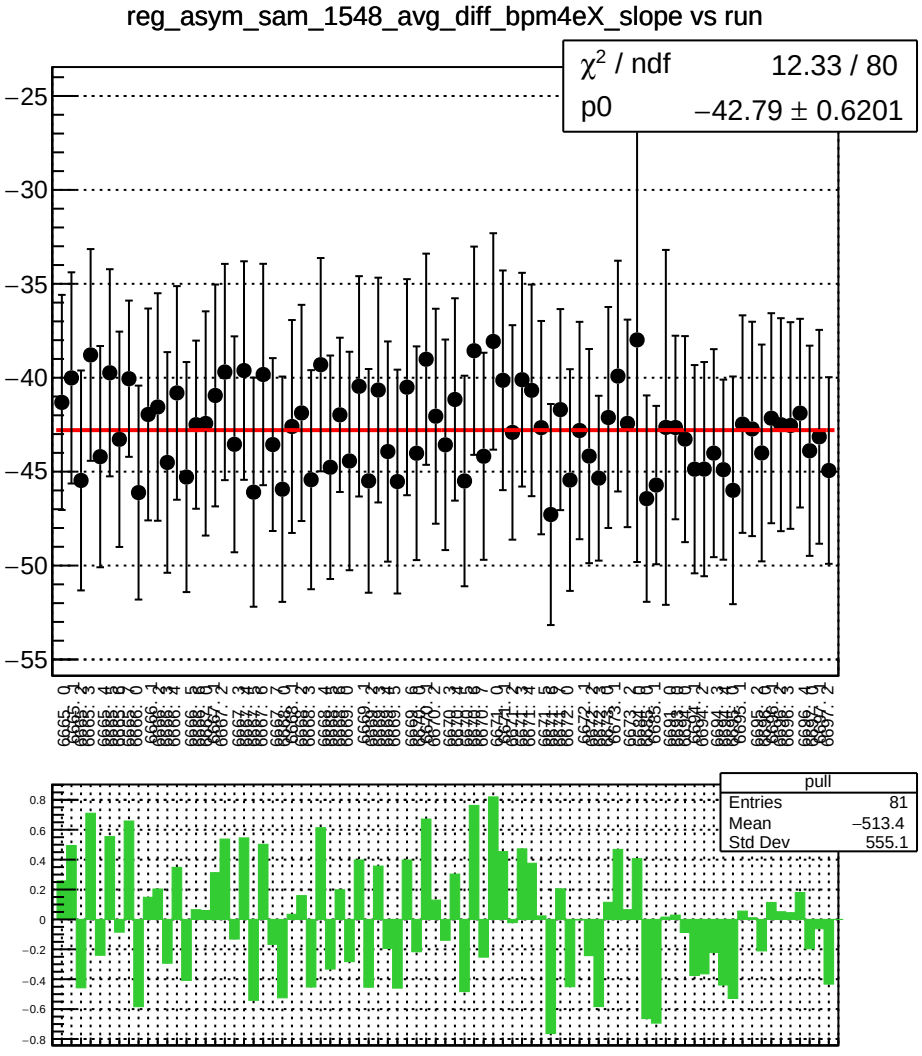

pull1D
Entries 81
Mean 0.03839
Std Dev 1.338

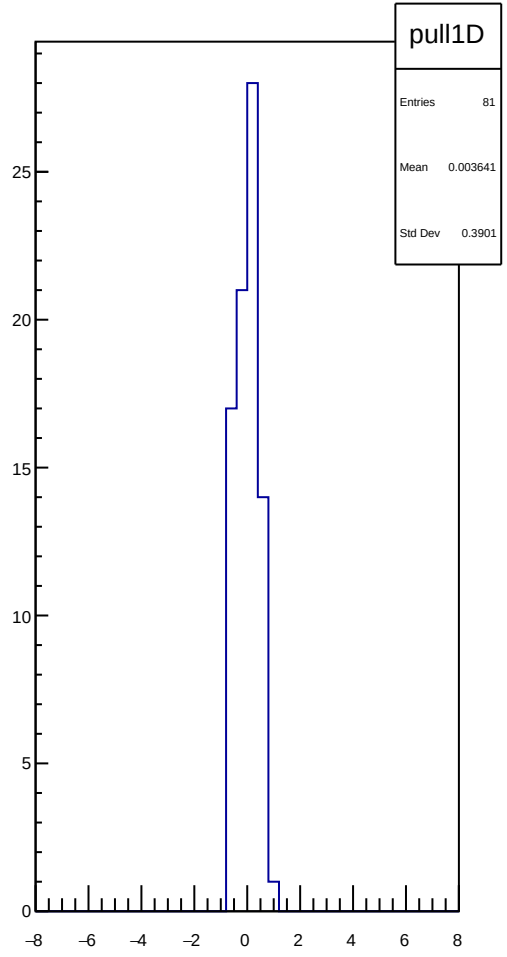

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.769 / 80
p0 −4.071 ± 0.5866
pull
Entries 81
Mean −4447
Std Dev 4486

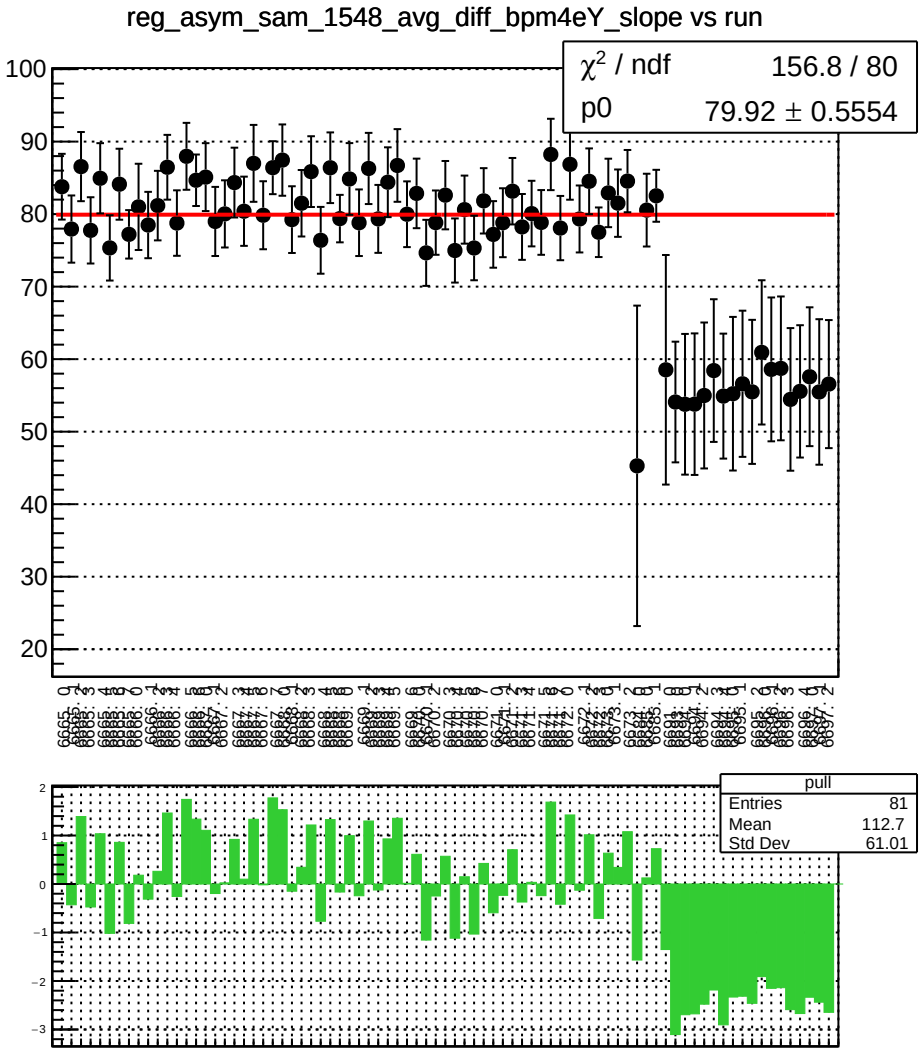

pull1D
Entries 81
Mean −0.000344
Std Dev 0.3473

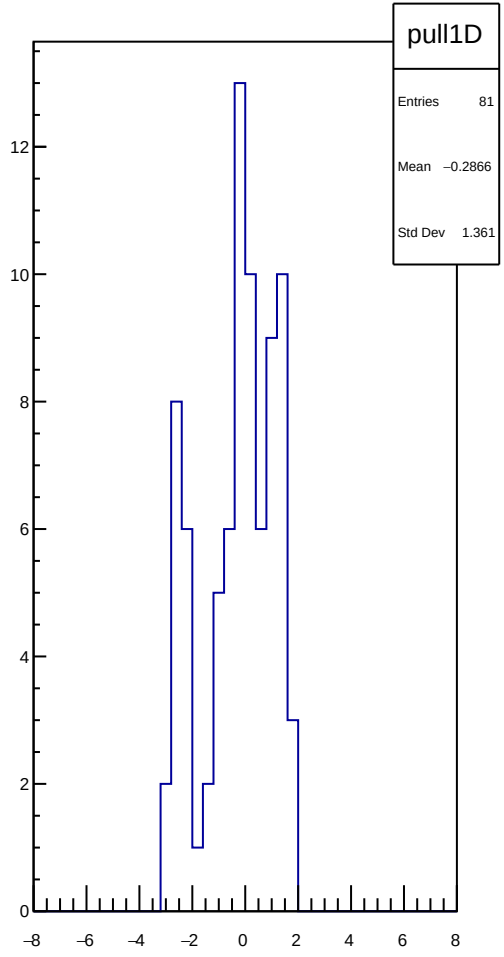

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 138 / 80
p0 −5.167 ± 0.4832
pull
Entries 81
Mean 106.5
Std Dev 55.16

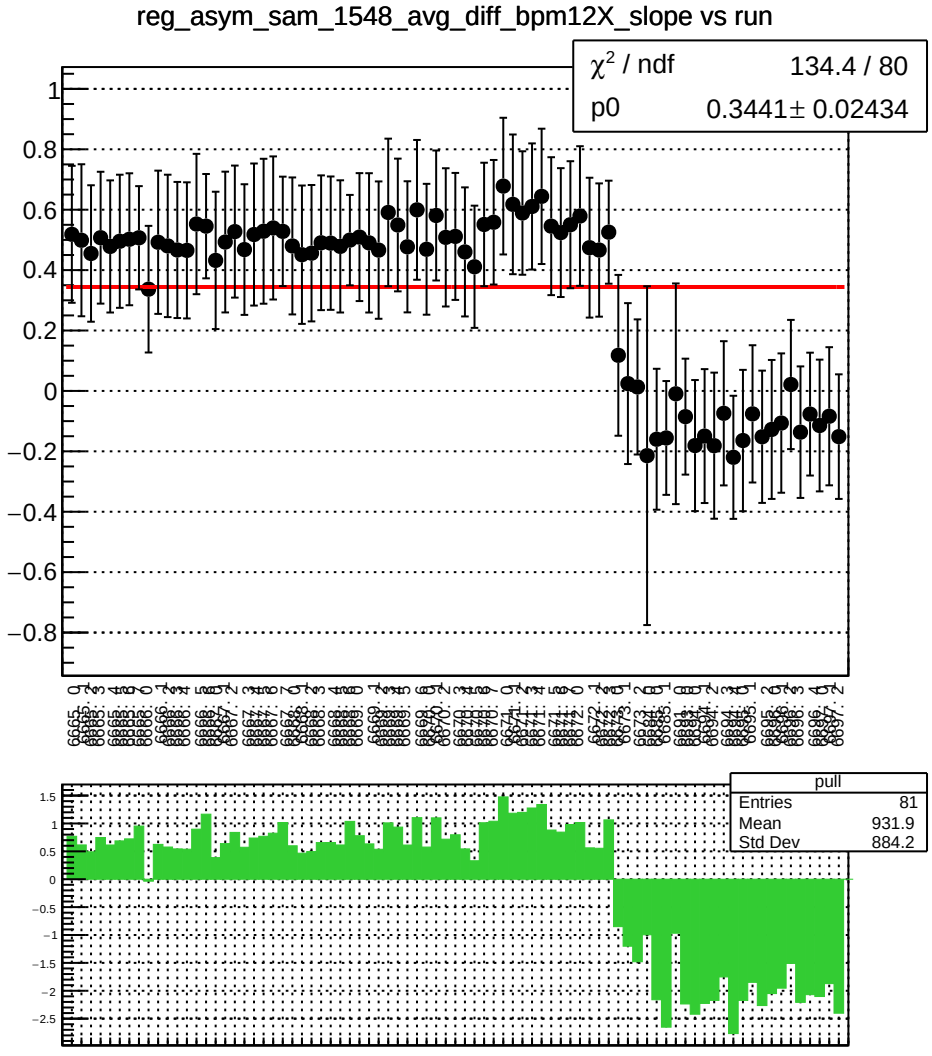

pull1D
Entries 81
Mean 0.3263
Std Dev 1.264

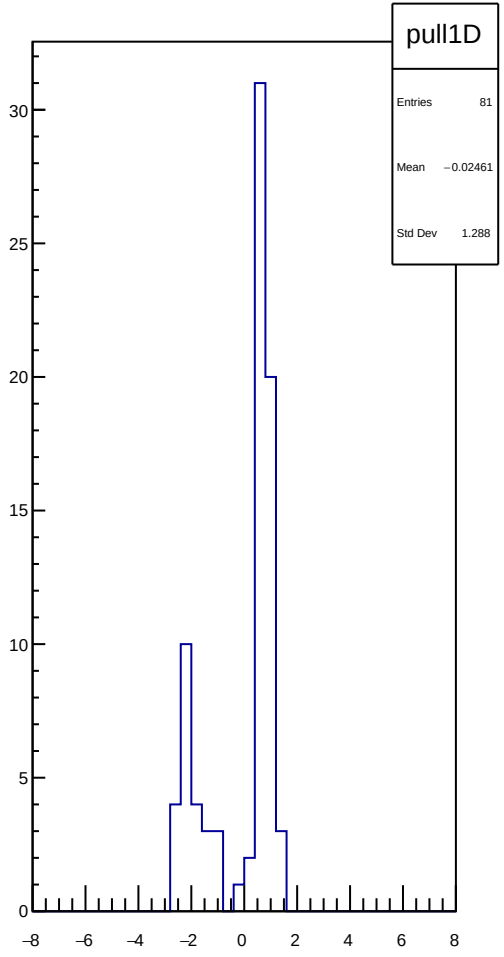

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.33 / 80
p0 −42.79 ± 0.6201
pull
Entries 81
Mean −513.4
Std Dev 555.1

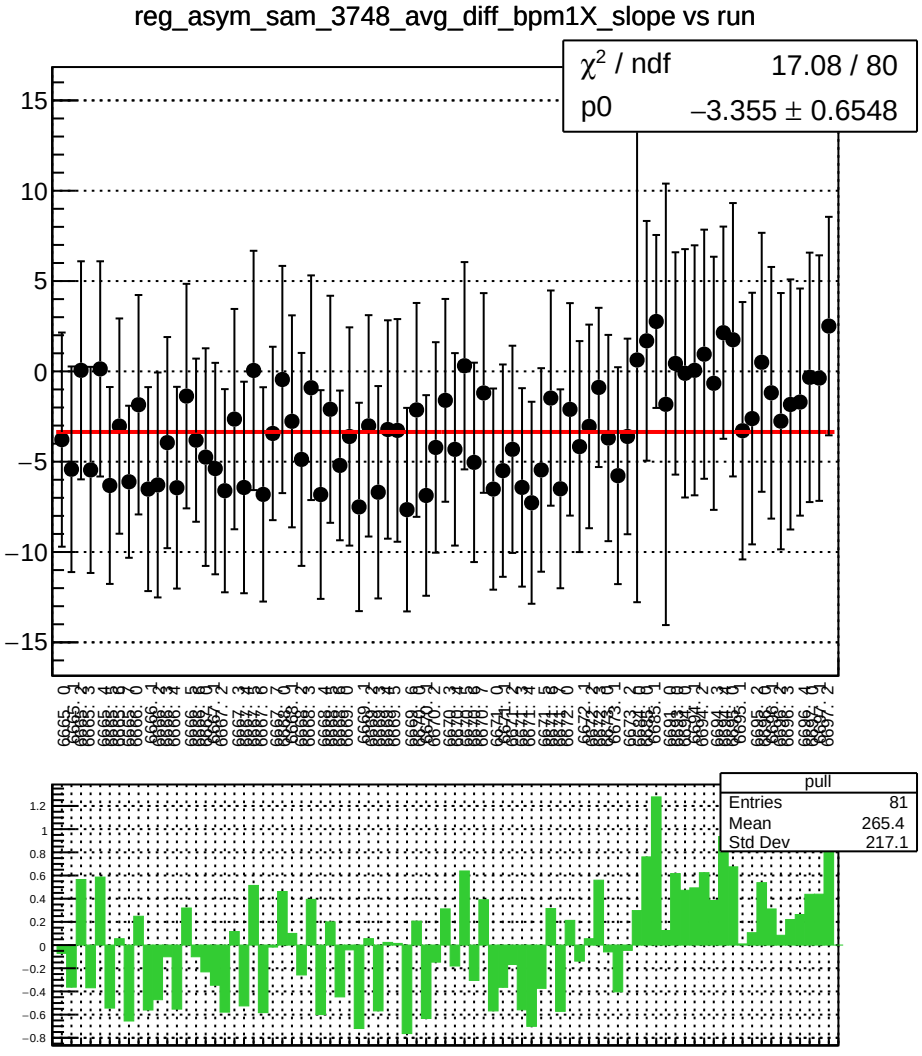

pull1D
Entries 81
Mean 0.003641
Std Dev 0.3901

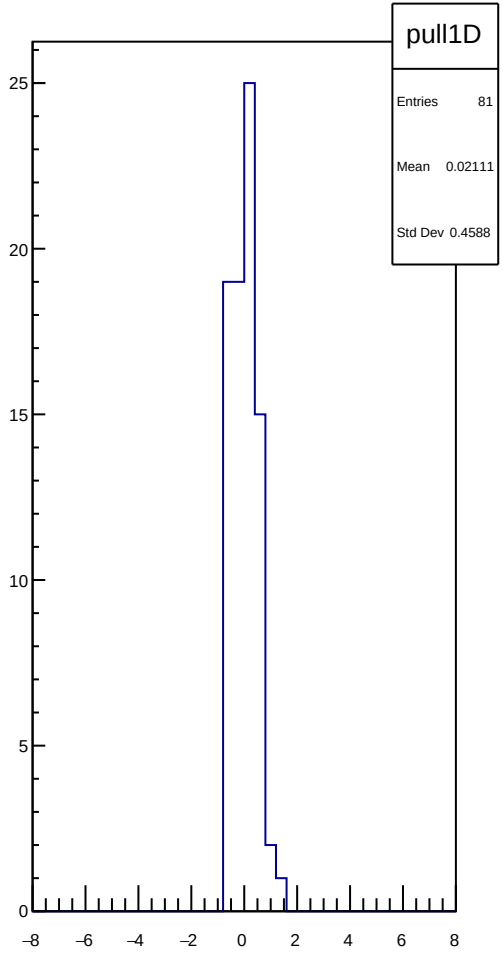

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 156.8 / 80
p0 79.92 ± 0.5554
pull
Entries 81
Mean 112.7
Std Dev 61.01


pull1D
Entries 81
Mean −0.2866
Std Dev 1.361

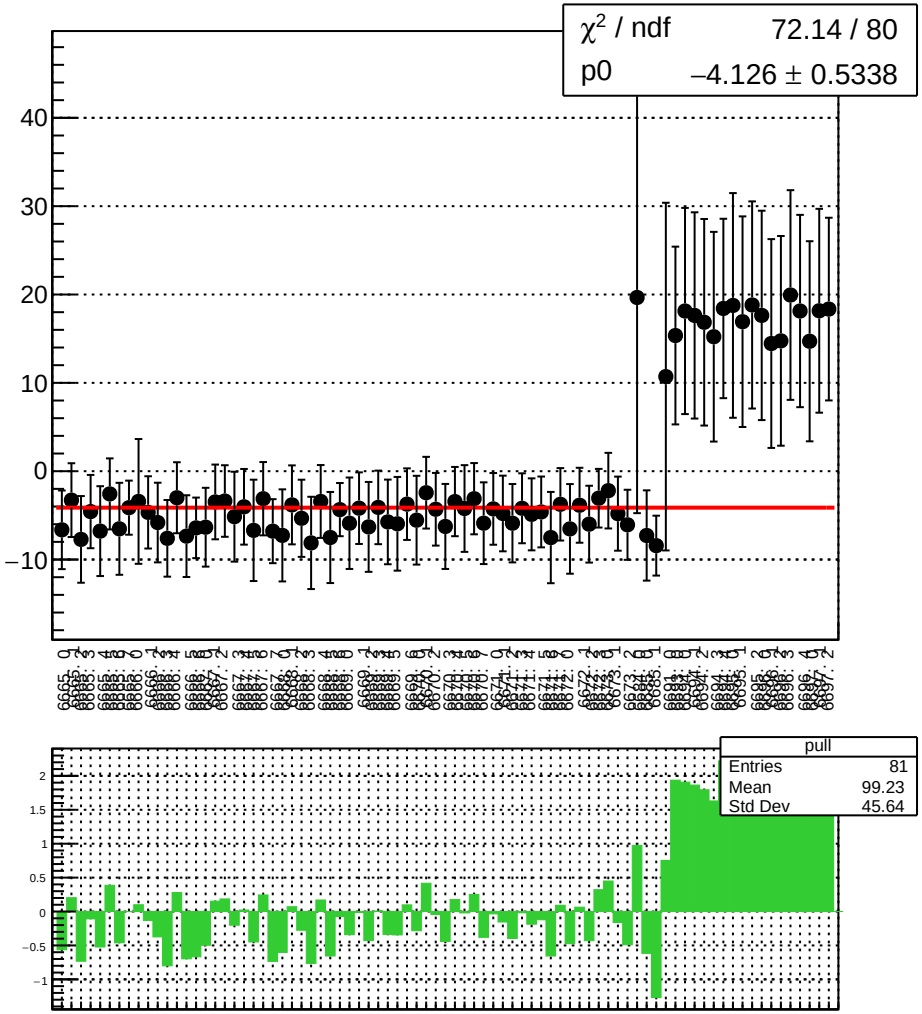

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 134.4 / 80
p0 0.3441± 0.02434
pull
Entries 81
Mean 931.9
Std Dev 884.2

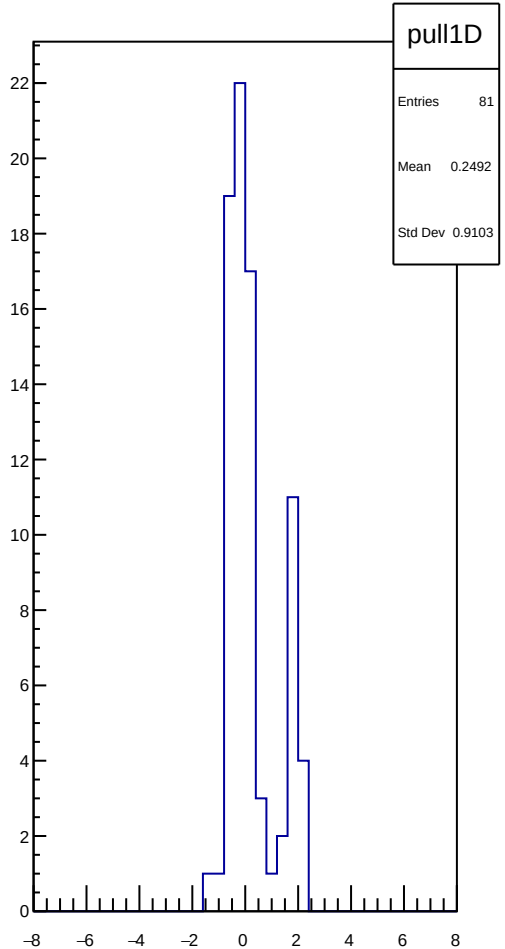

pull1D
Entries 81
Mean −0.02461
Std Dev 1.288

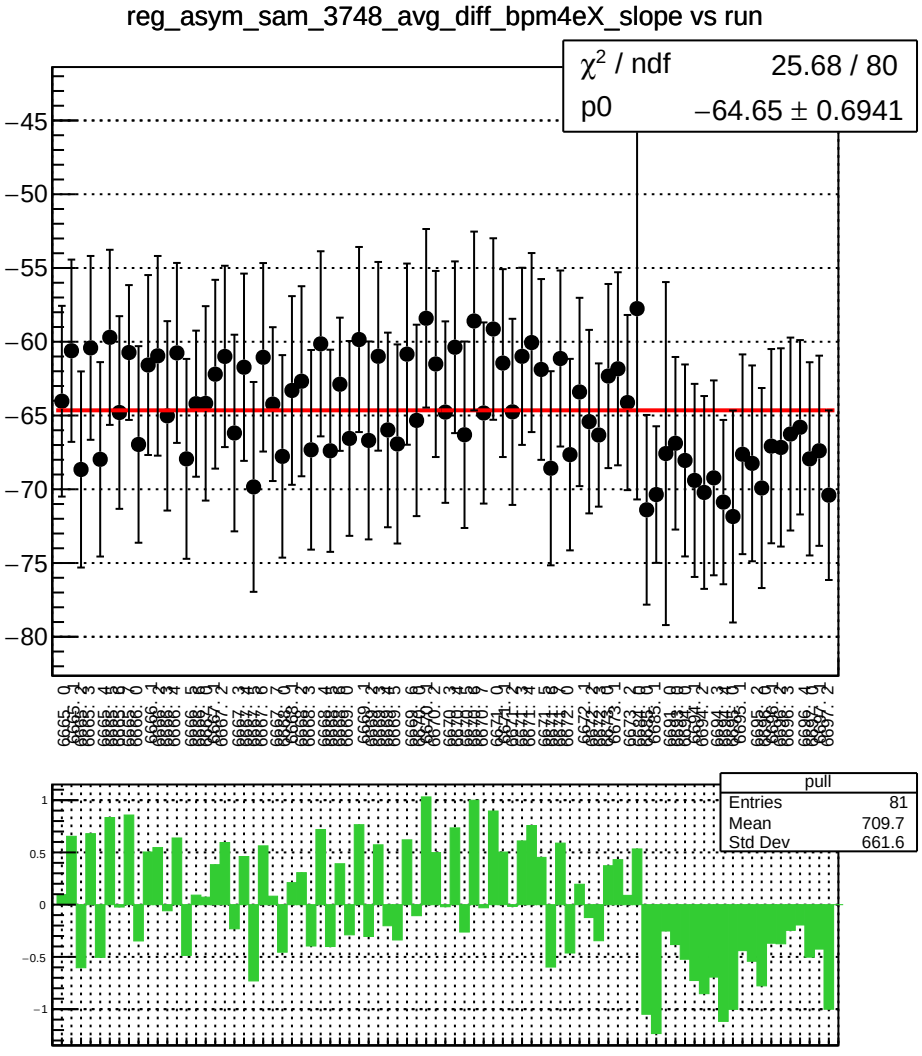

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 17.08 / 80
p0 −3.355 ± 0.6548
pull
Entries 81
Mean 265.4
Std Dev 217.1

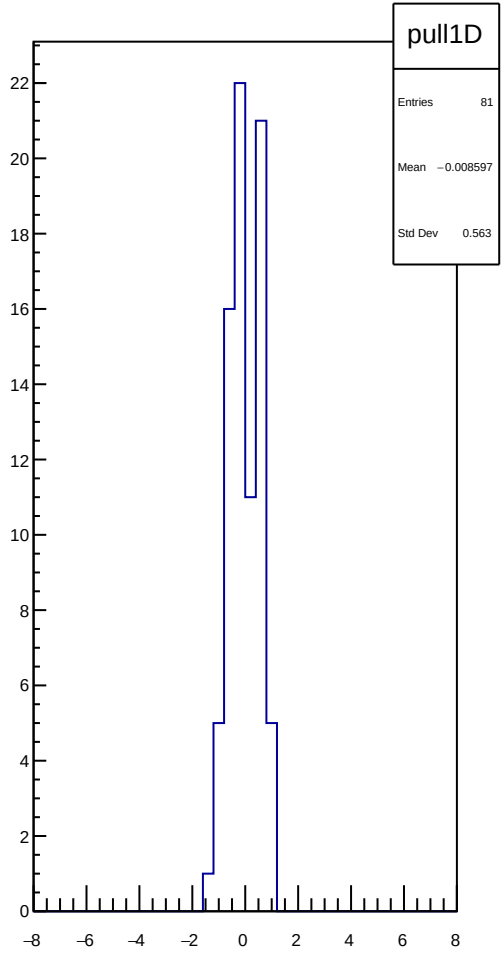

pull1D
Entries 81
Mean 0.02111
Std Dev 0.4588

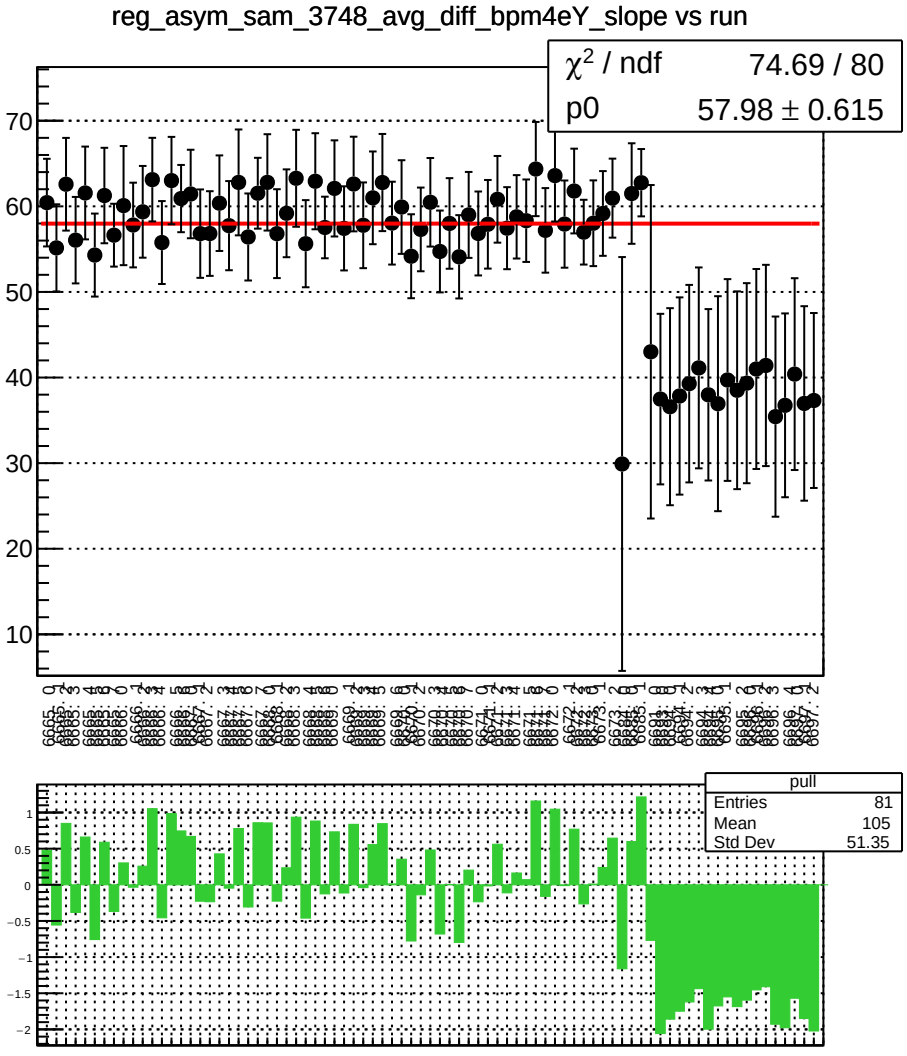
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run

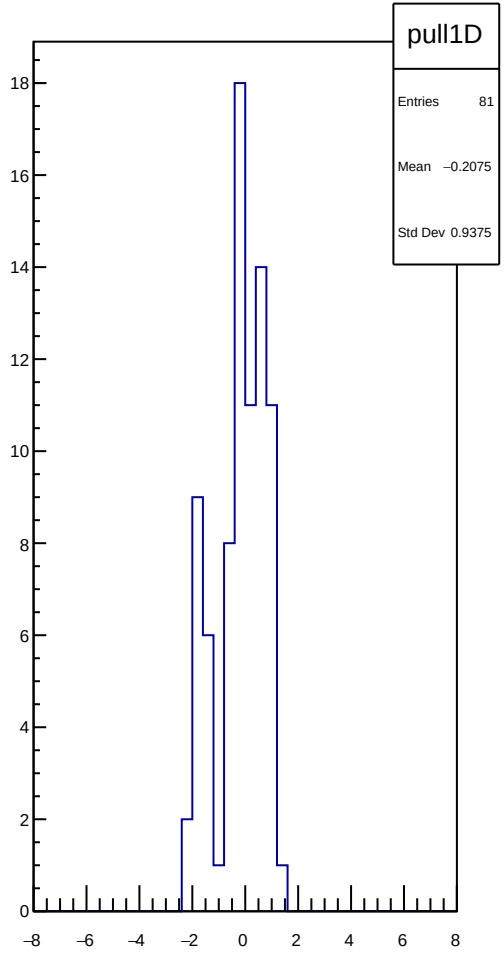


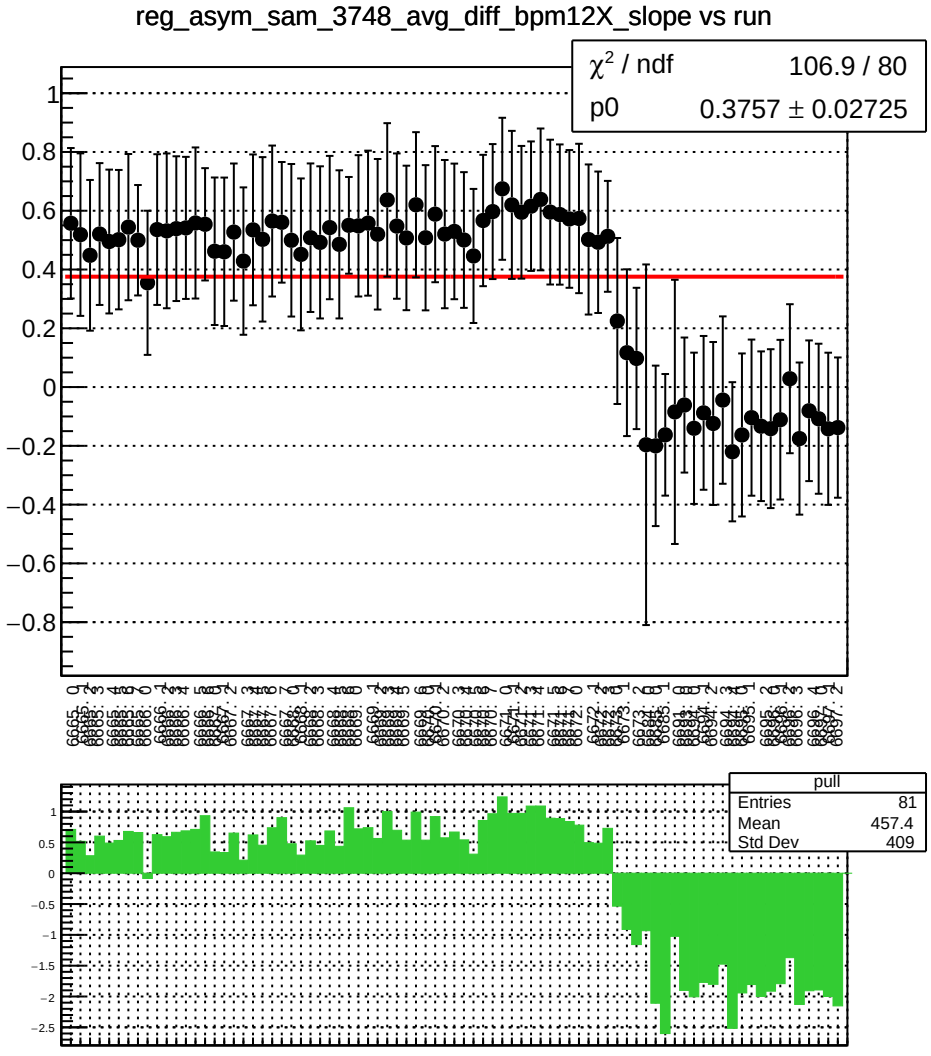


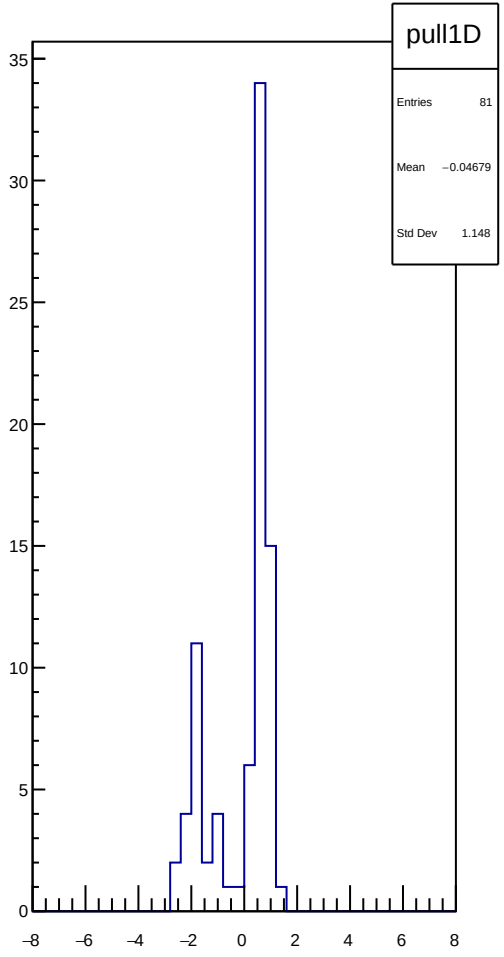

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 25.68 / 80
p0 −64.65 ± 0.6941
pull
Entries 81
Mean 709.7
Std Dev 661.6

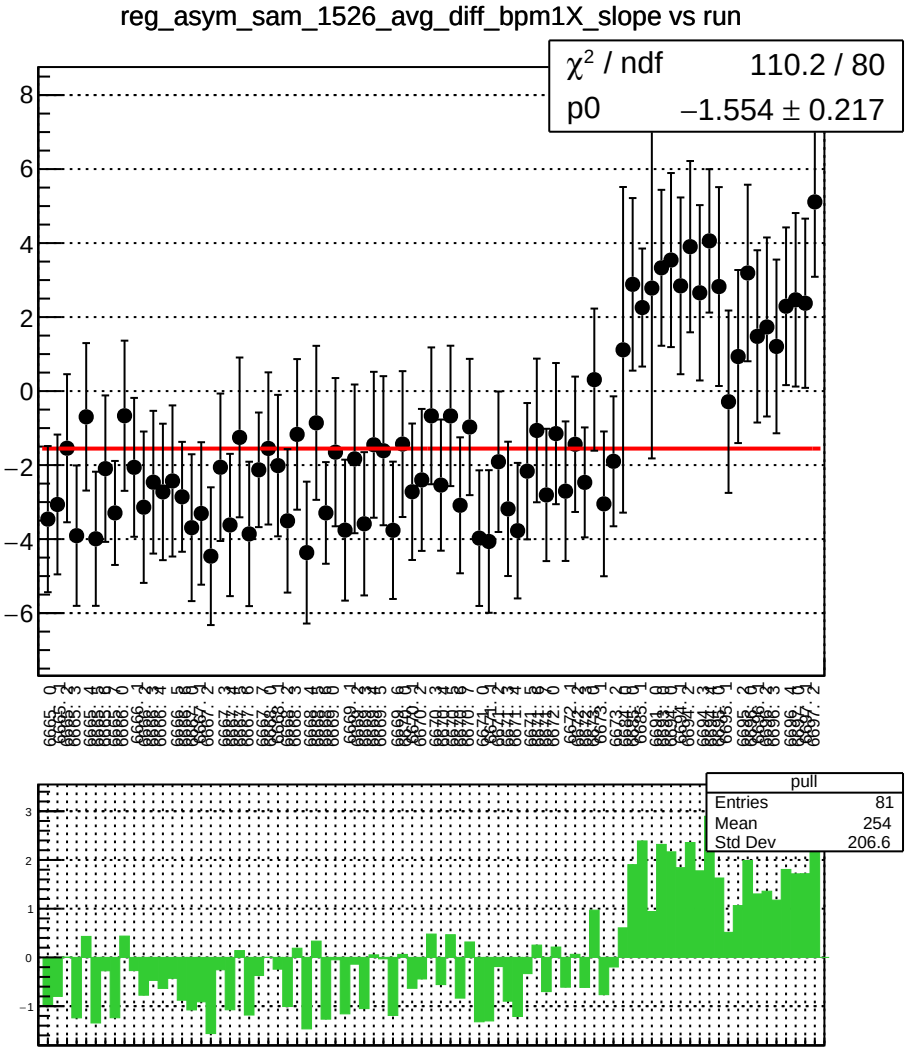

pull1D
Entries 81
Mean −0.008597
Std Dev 0.563

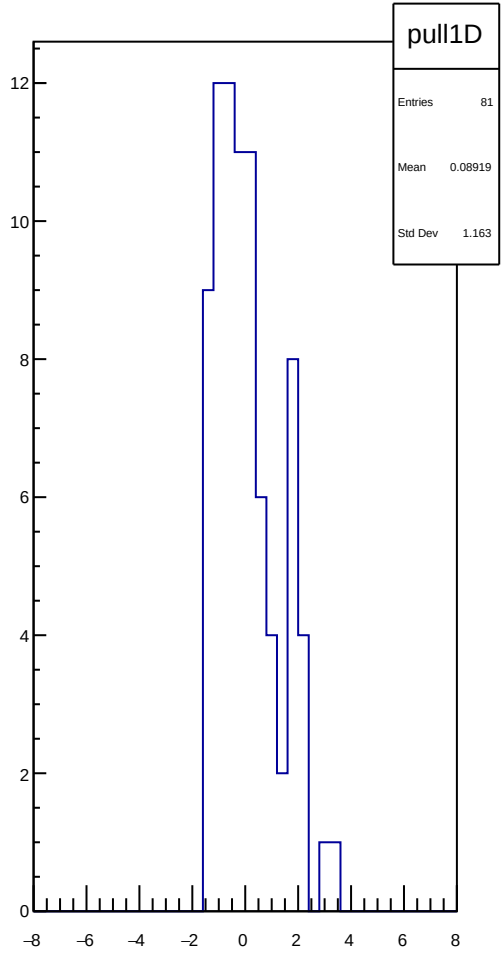

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 74.69 / 80
p0 57.98 ± 0.615
pull
Entries 81
Mean 105
Std Dev 51.35


pull1D
Entries 81
Mean −0.2075
Std Dev 0.9375

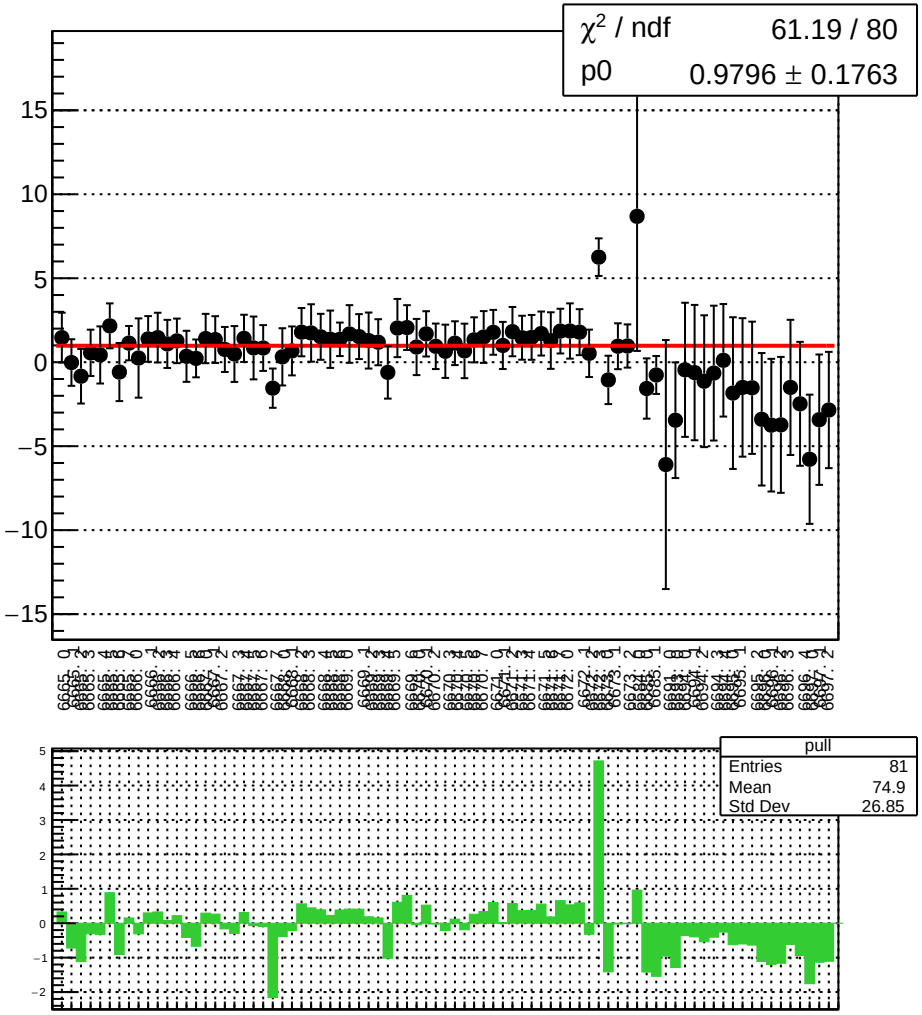

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 106.9 / 80
p0 0.3757 ± 0.02725
pull
Entries 81
Mean 457.4
Std Dev 409

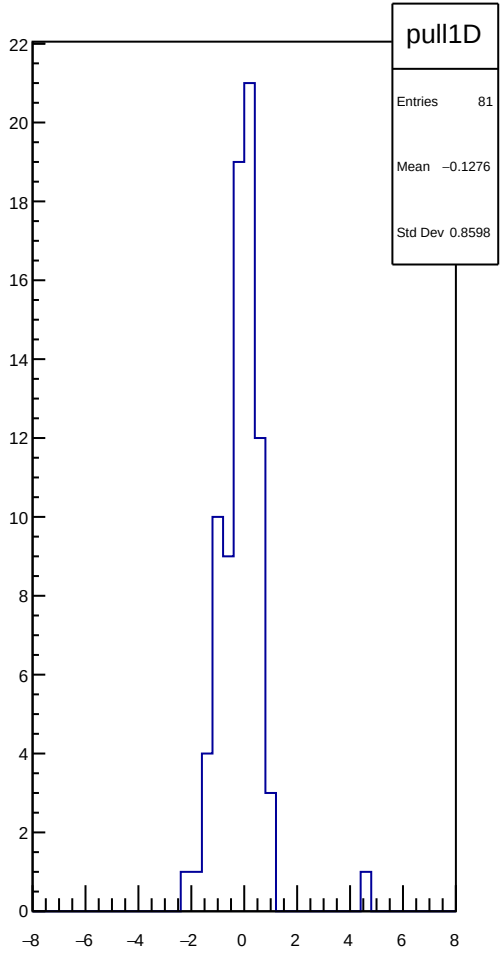

pull1D
Entries 81
Mean −0.04679
Std Dev 1.148

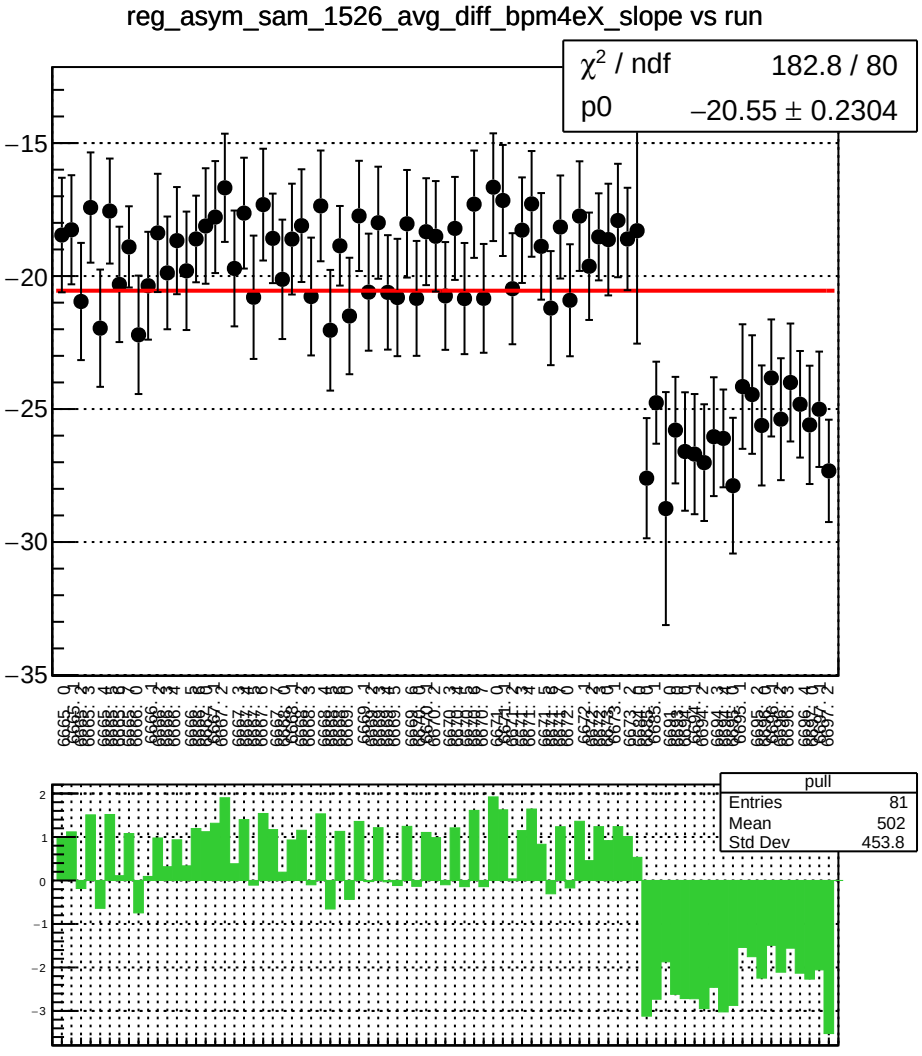

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 110.2 / 80
p0 −1.554 ± 0.217
pull
Entries 81
Mean 254
Std Dev 206.6

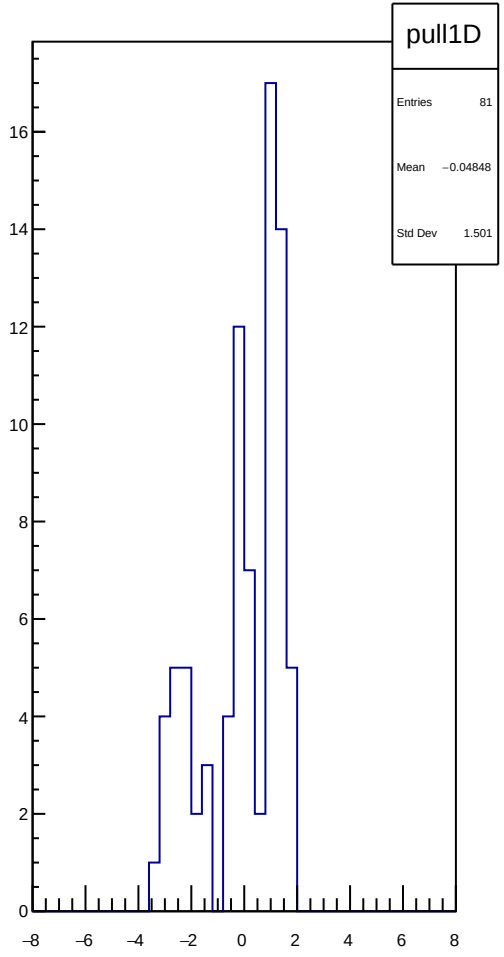

pull1D
Entries 81
Mean 0.08919
Std Dev 1.163

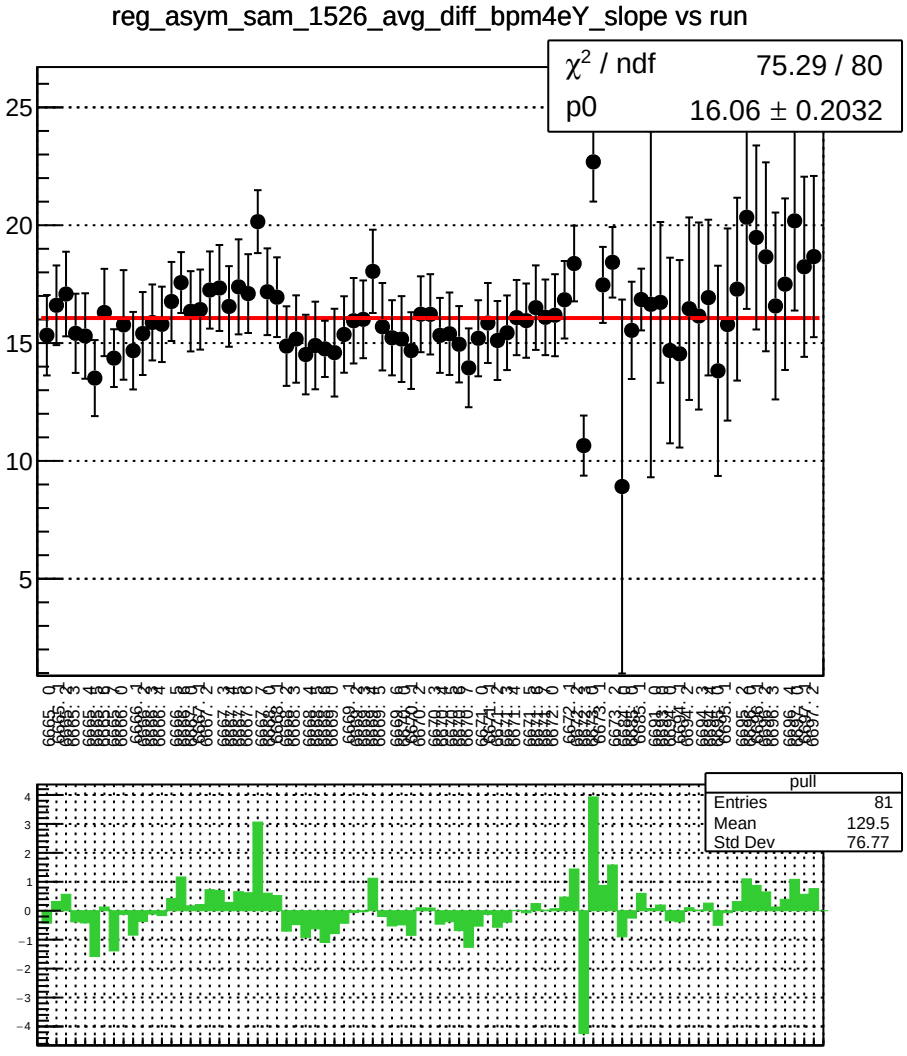
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run

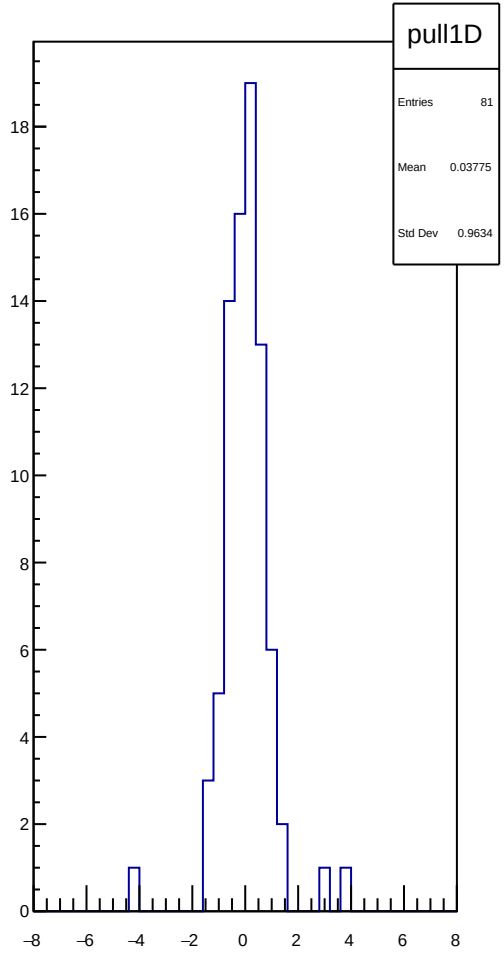


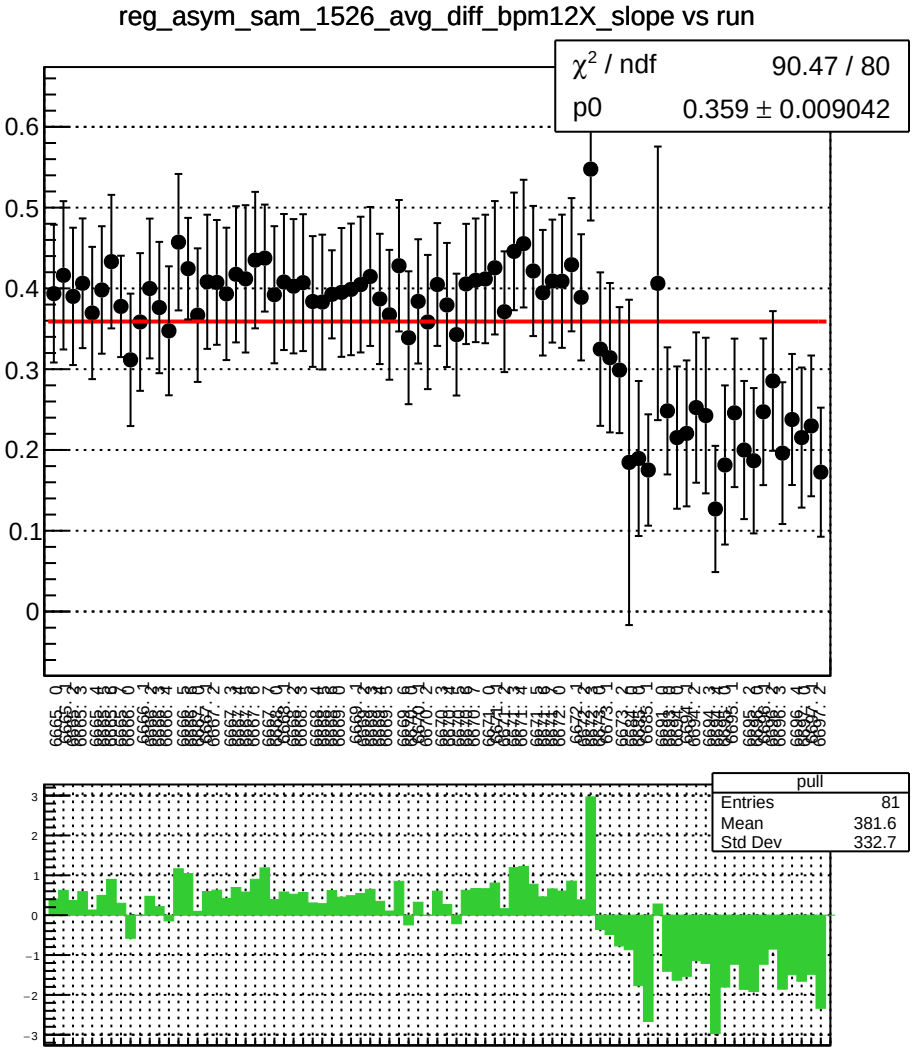


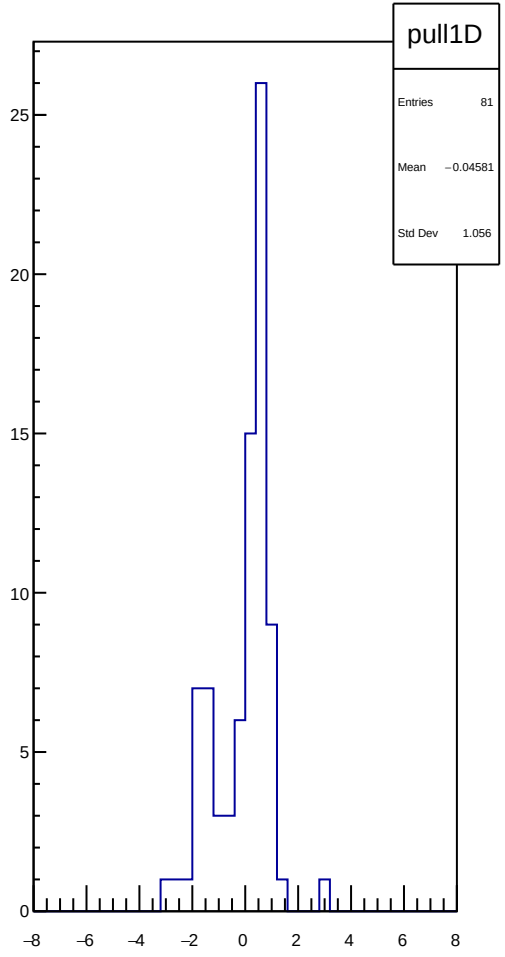

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 182.8 / 80
p0 −20.55 ± 0.2304
pull
Entries 81
Mean 502
Std Dev 453.8

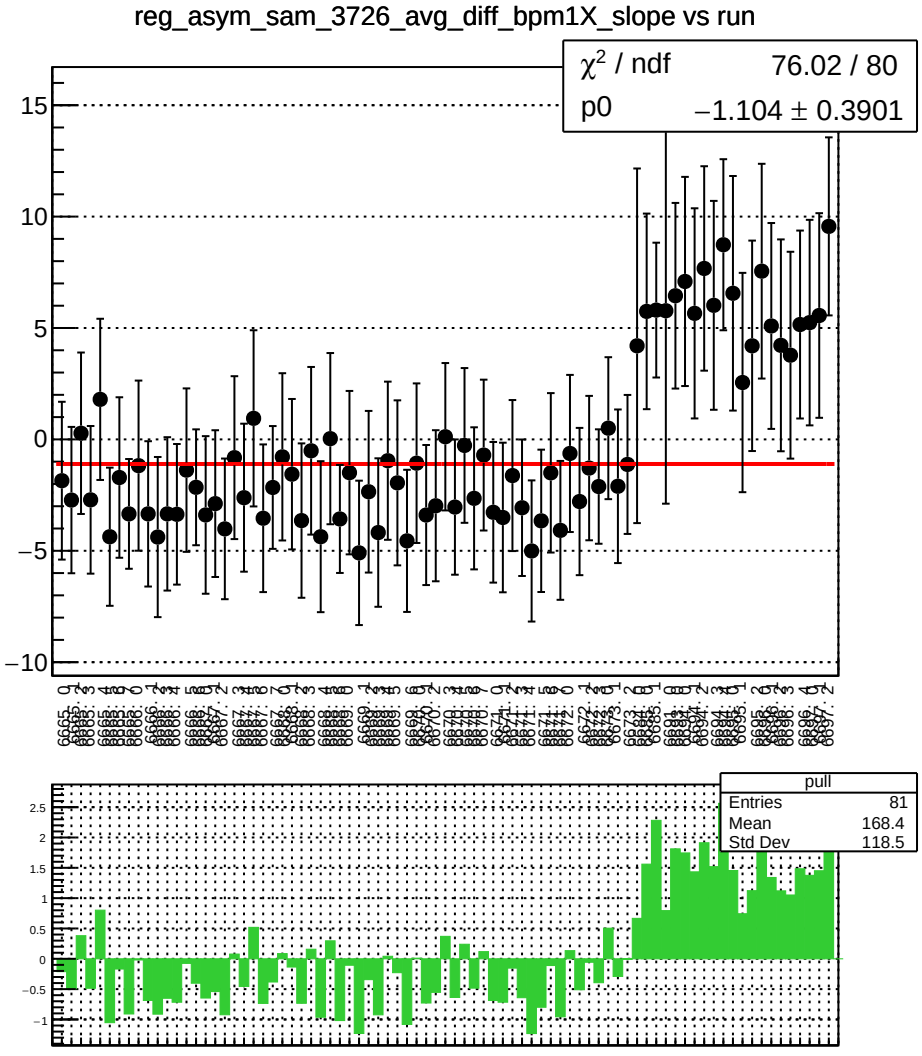

pull1D
Entries 81
Mean −0.04848
Std Dev 1.501

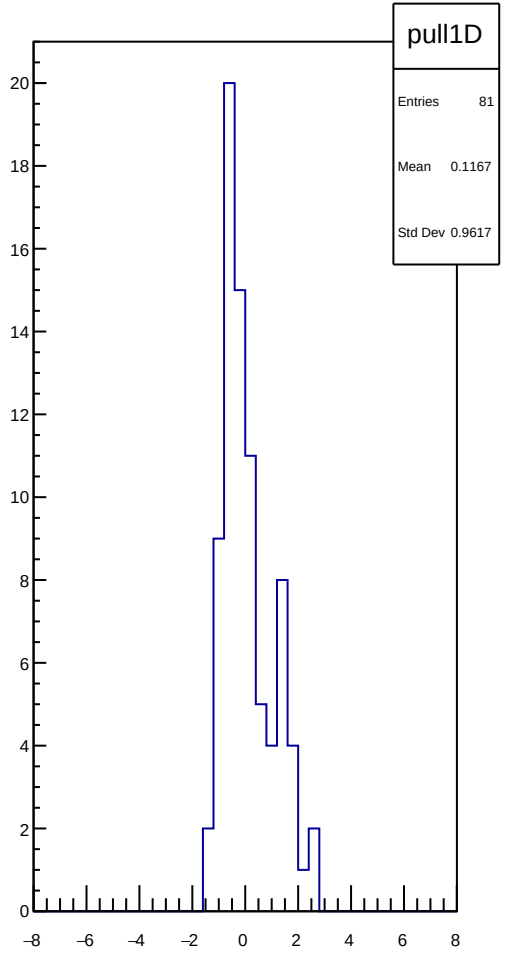

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.29 / 80
p0 16.06 ± 0.2032
pull
Entries 81
Mean 129.5
Std Dev 76.77

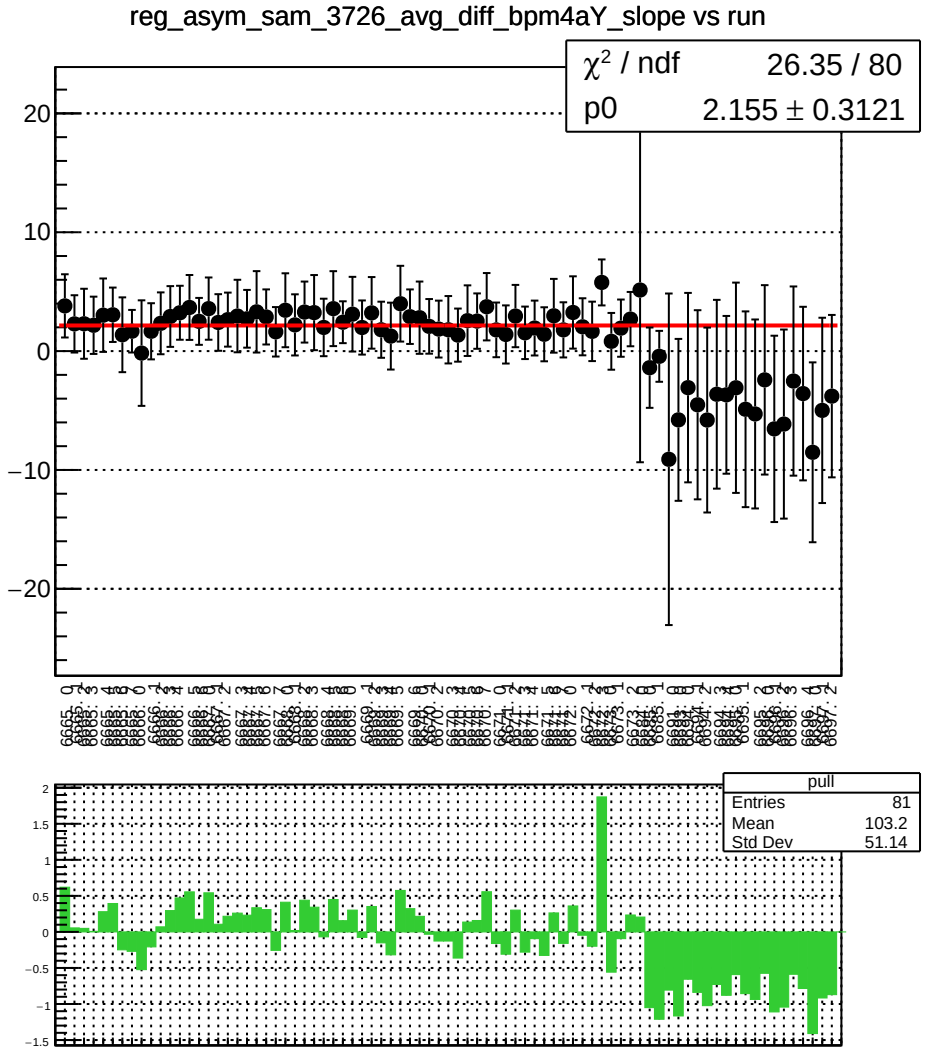

pull1D
Entries 81
Mean 0.03775
Std Dev 0.9634

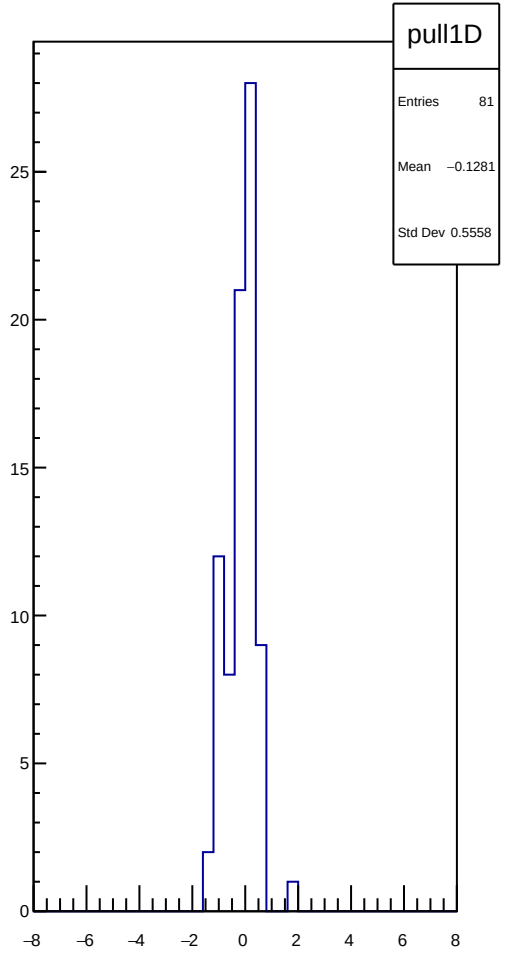

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 90.47 / 80
p0 0.359 ± 0.009042
pull
Entries 81
Mean 381.6
Std Dev 332.7

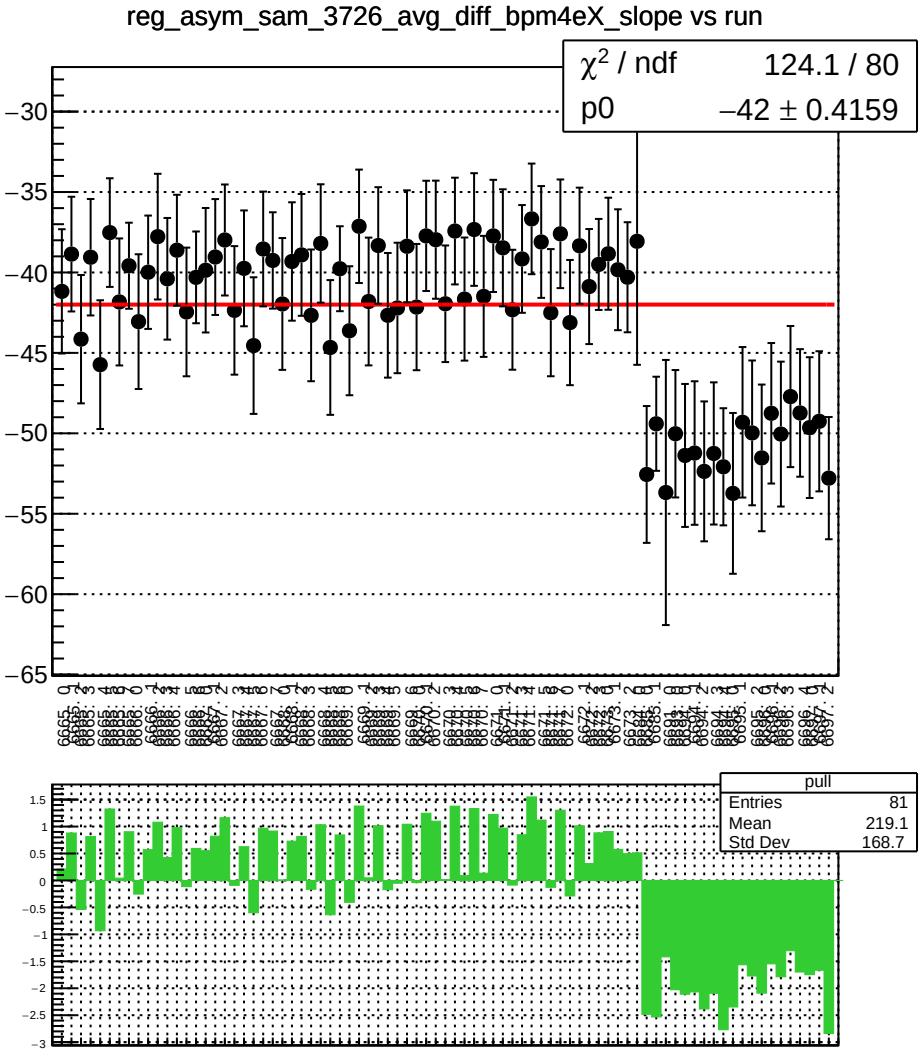

pull1D
Entries 81
Mean −0.04581
Std Dev 1.056

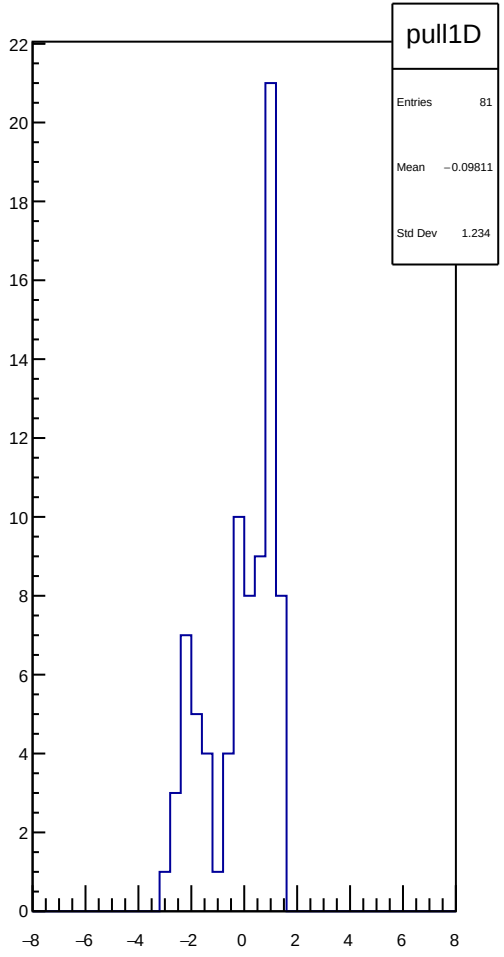

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 76.02 / 80
p0 −1.104 ± 0.3901
pull
Entries 81
Mean 168.4
Std Dev 118.5

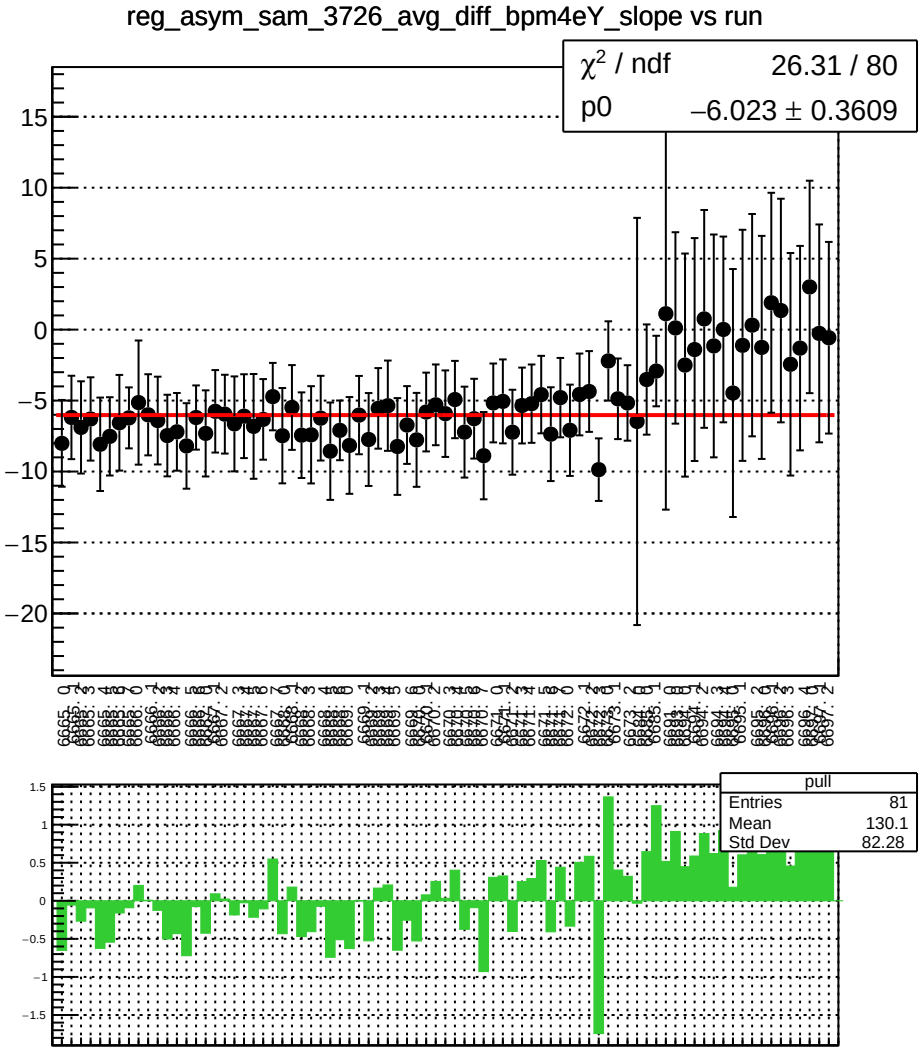

pull1D
Entries 81
Mean 0.1167
Std Dev 0.9617

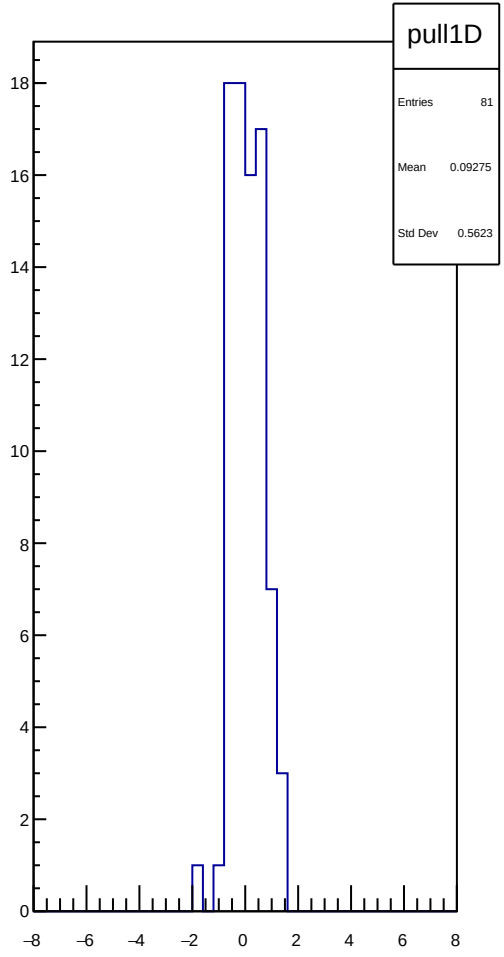

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.35 / 80
p0 2.155 ± 0.3121
pull
Entries 81
Mean 103.2
Std Dev 51.14

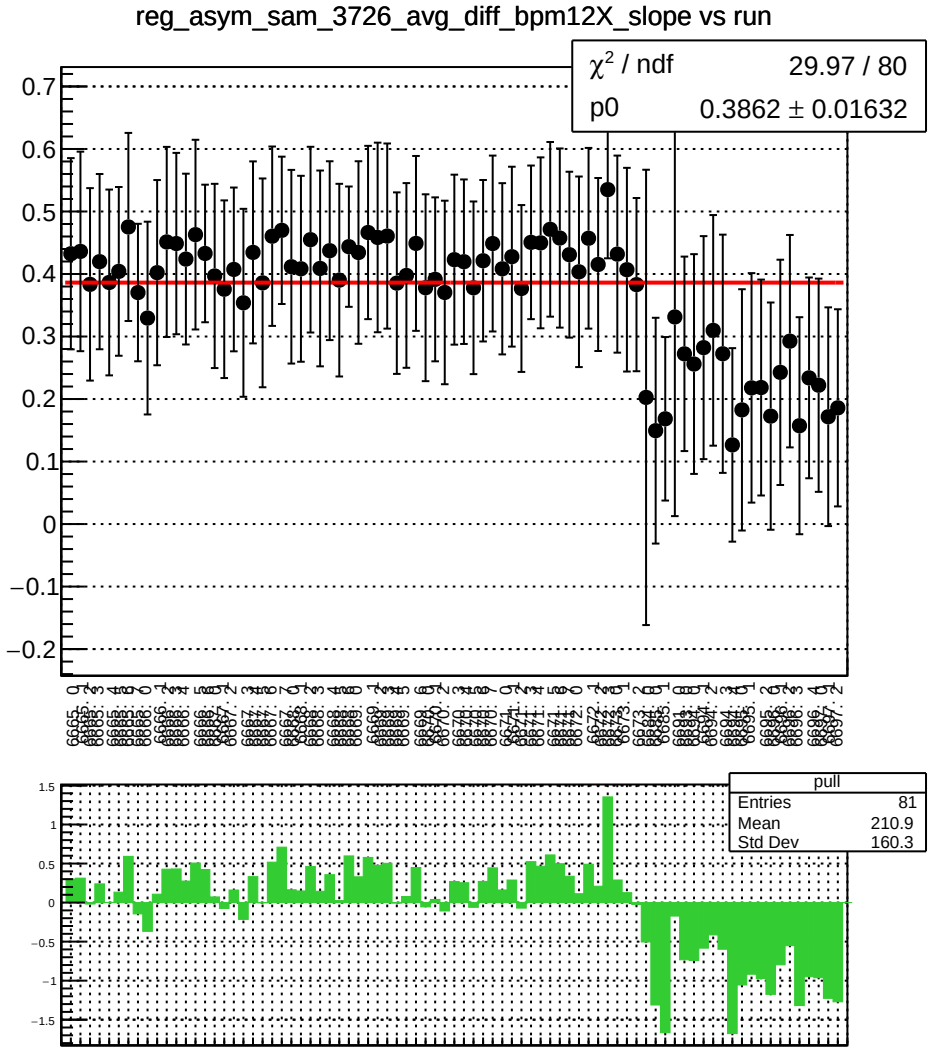

pull1D
Entries 81
Mean −0.1281
Std Dev 0.5558

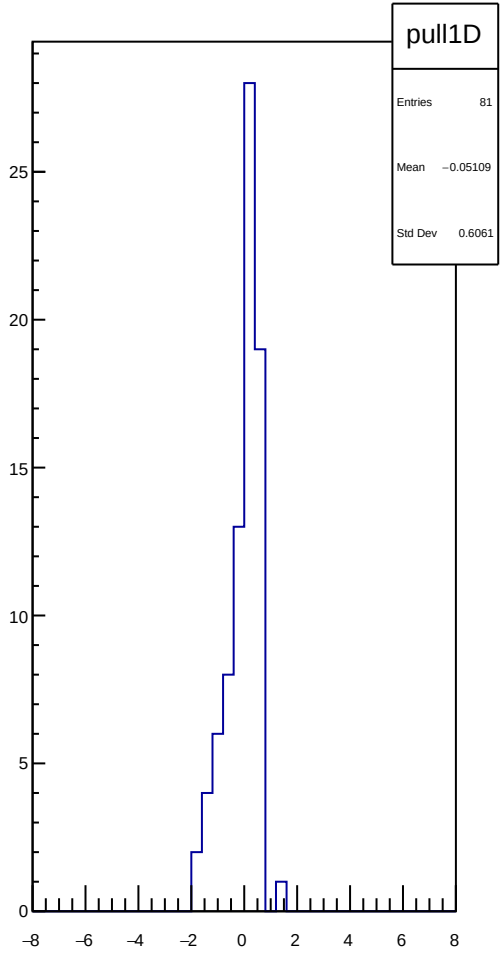

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 124.1 / 80
p0 −42 ± 0.4159
pull
Entries 81
Mean 219.1
Std Dev 168.7

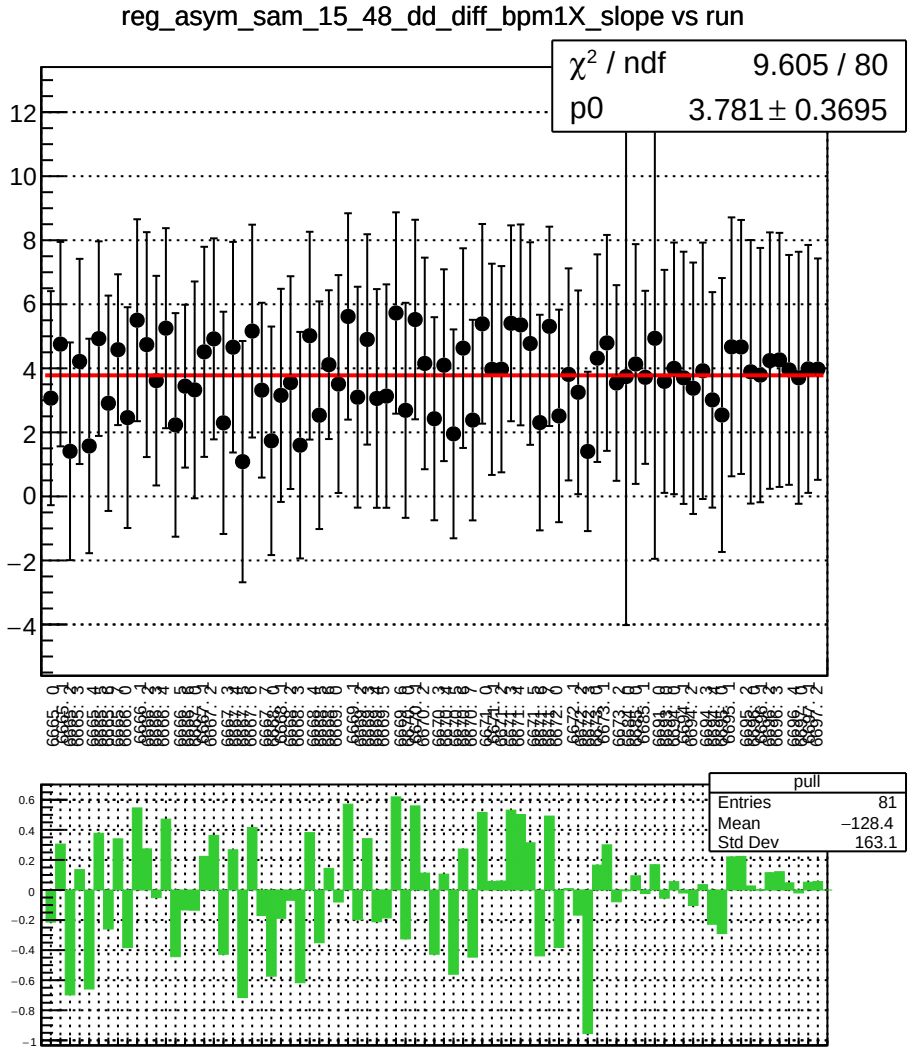

pull1D
Entries 81
Mean −0.09811
Std Dev 1.234

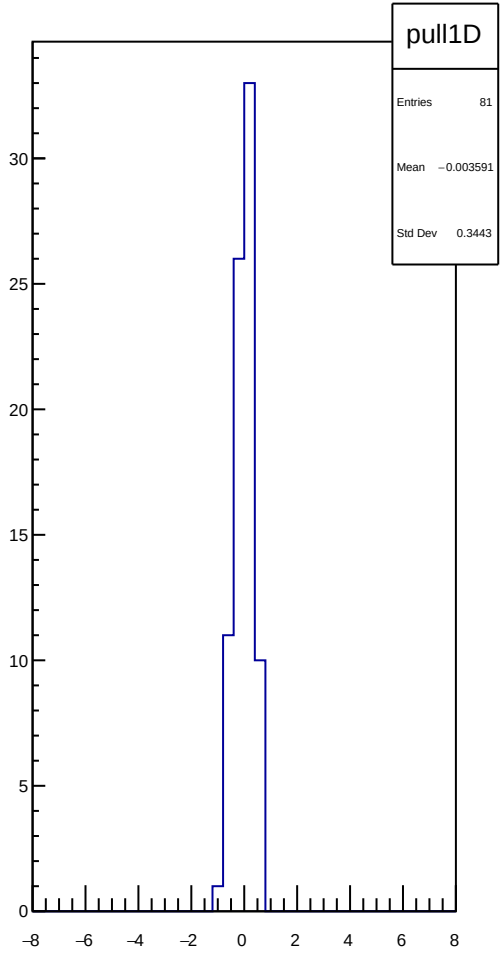

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.31 / 80
p0 −6.023 ± 0.3609
pull
Entries 81
Mean 130.1
Std Dev 82.28

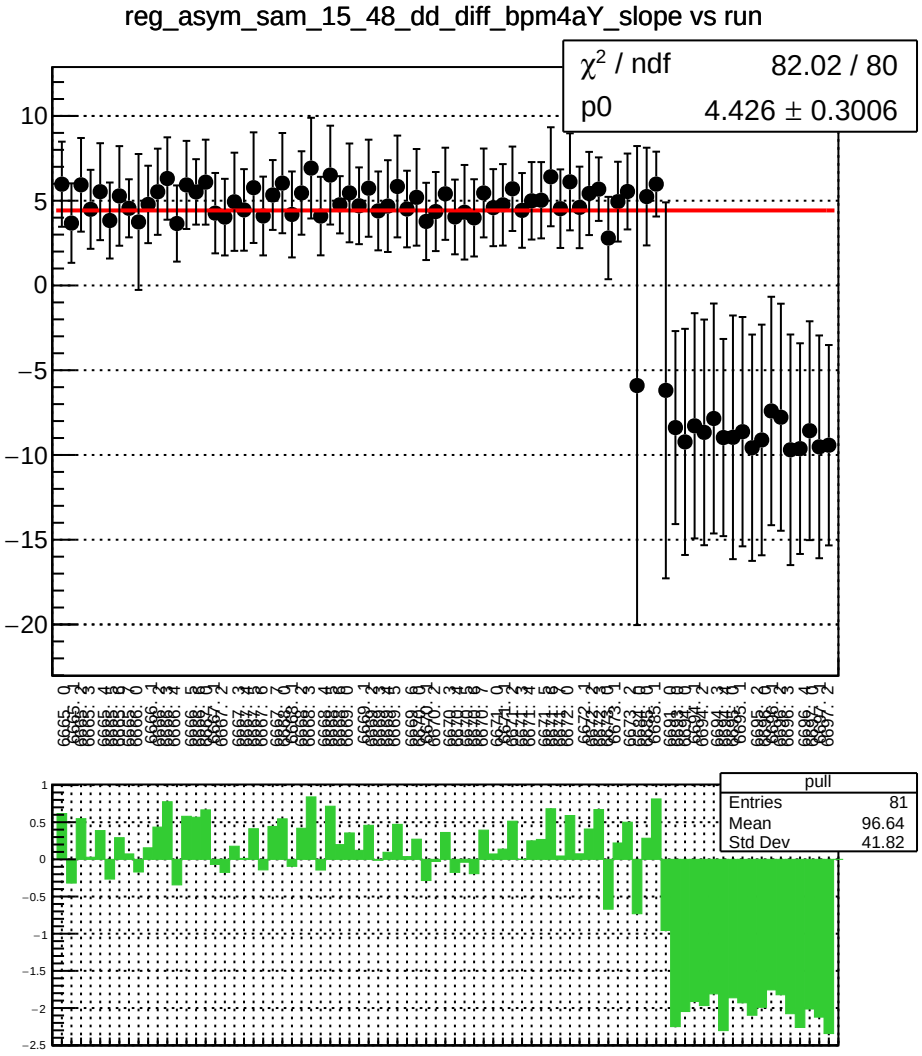

pull1D
Entries 81
Mean 0.09275
Std Dev 0.5623

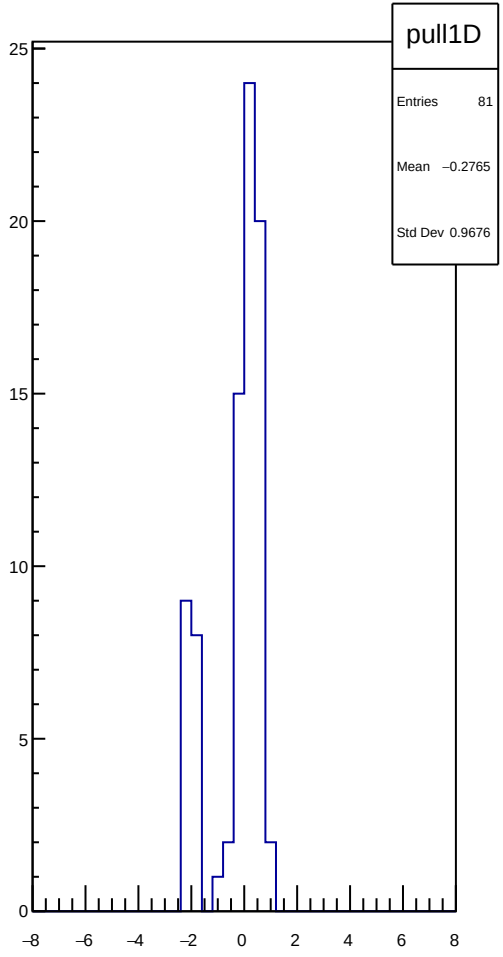

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.97 / 80
p0 0.3862 ± 0.01632
pull
Entries 81
Mean 210.9
Std Dev 160.3


pull1D
Entries 81
Mean −0.05109
Std Dev 0.6061

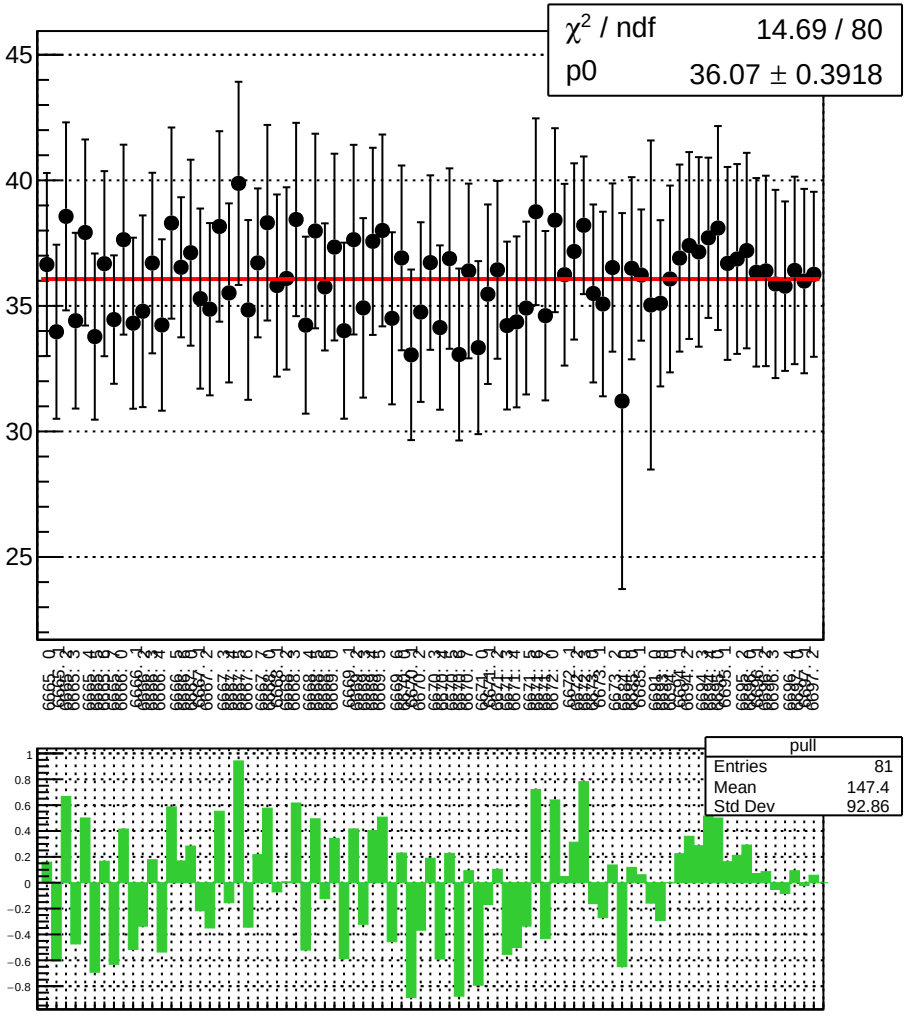

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.605 / 80
p0 3.781 ± 0.3695
pull
Entries 81
Mean −128.4
Std Dev 163.1

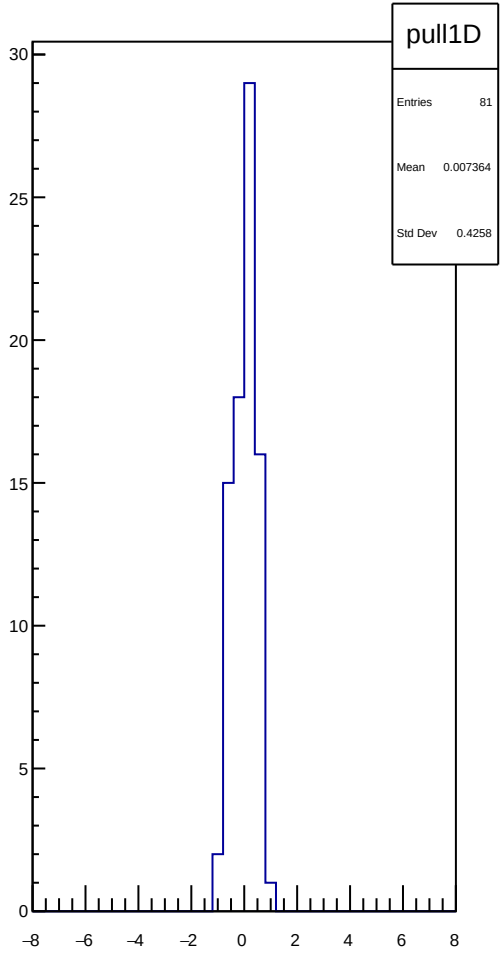

pull1D
Entries 81
Mean −0.003591
Std Dev 0.3443


reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.02 / 80
p0 4.426 ± 0.3006
pull
Entries 81
Mean 96.64
Std Dev 41.82

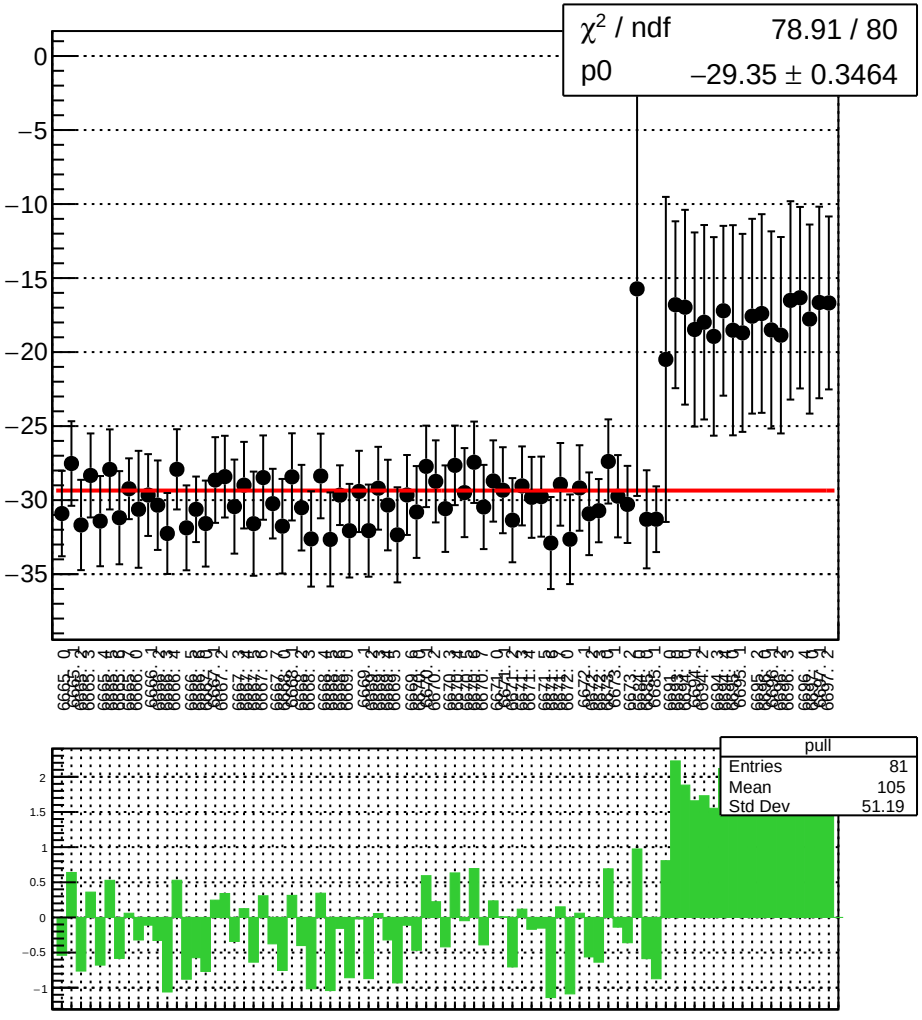

pull1D
Entries 81
Mean −0.2765
Std Dev 0.9676

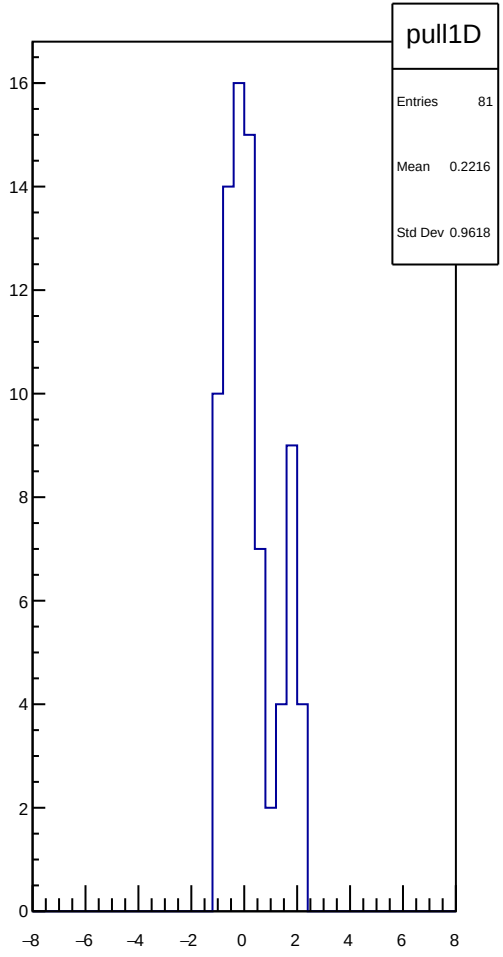
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run

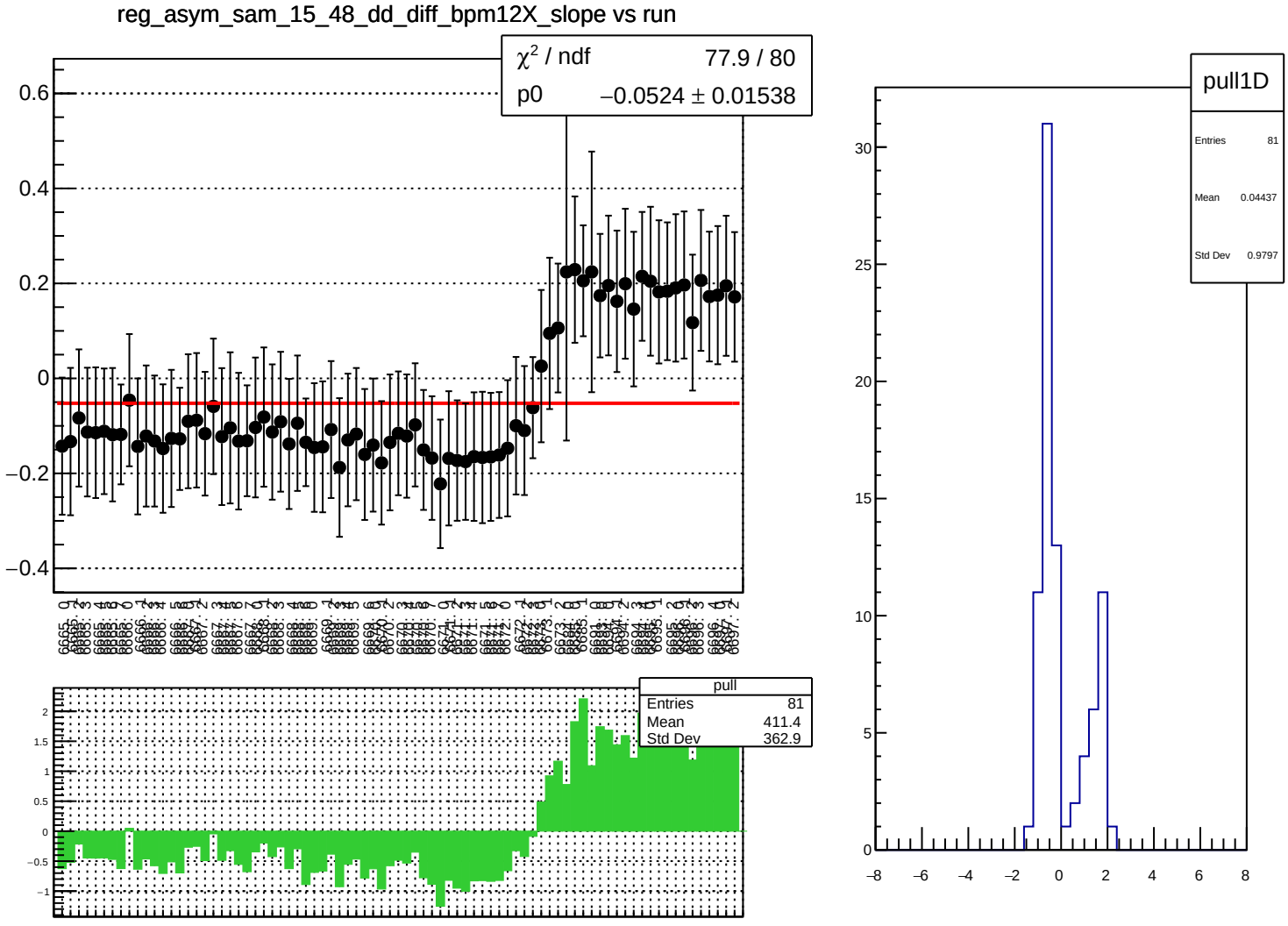


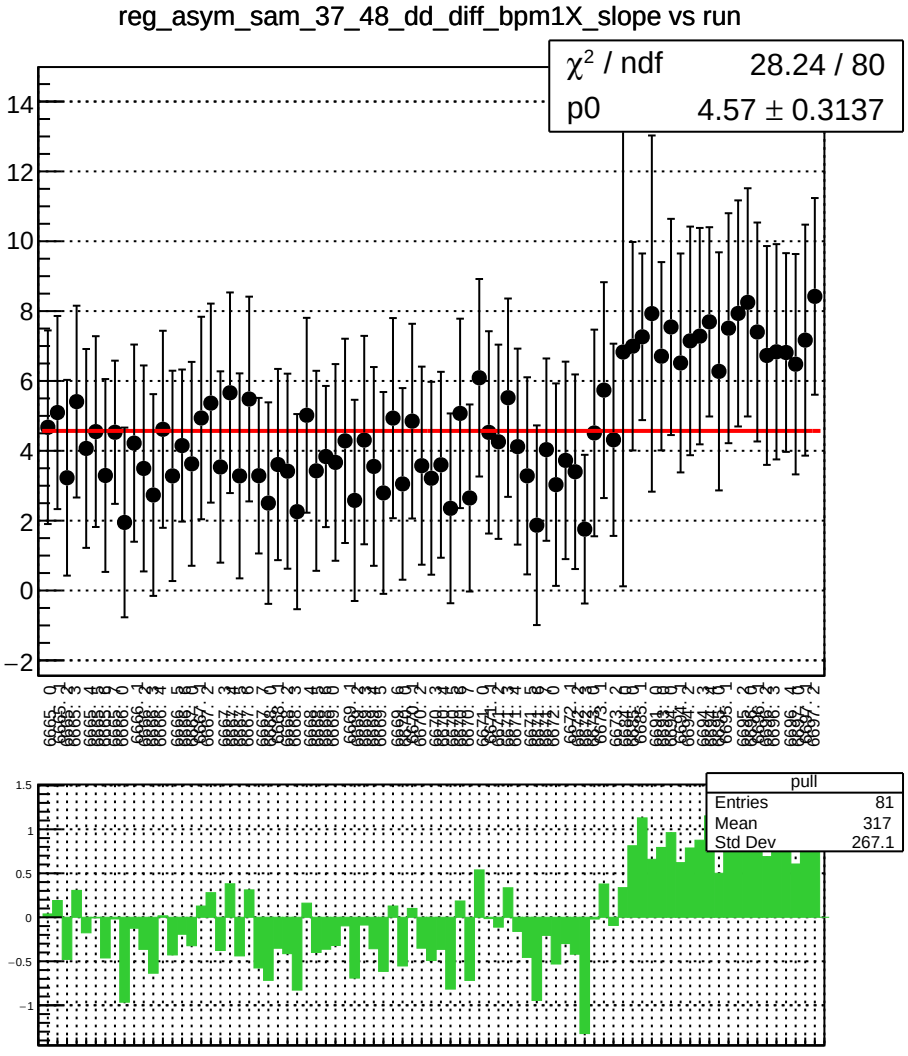


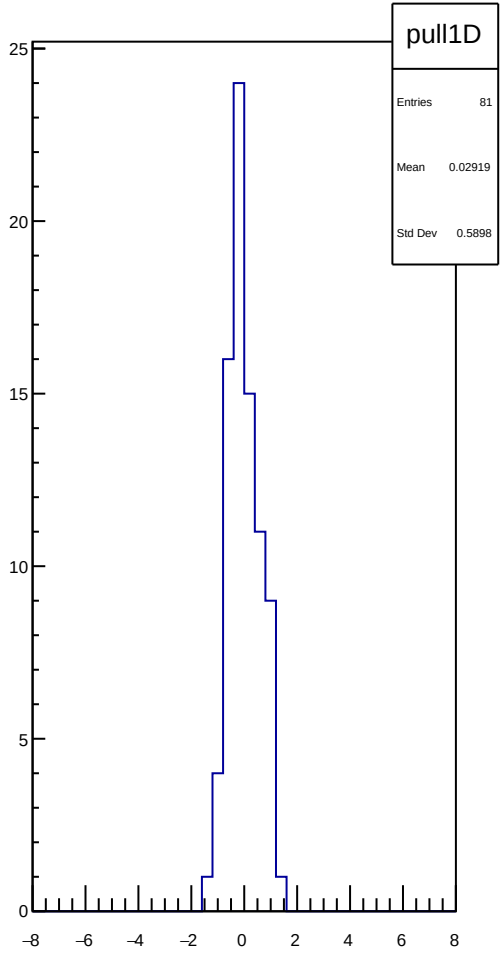
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run

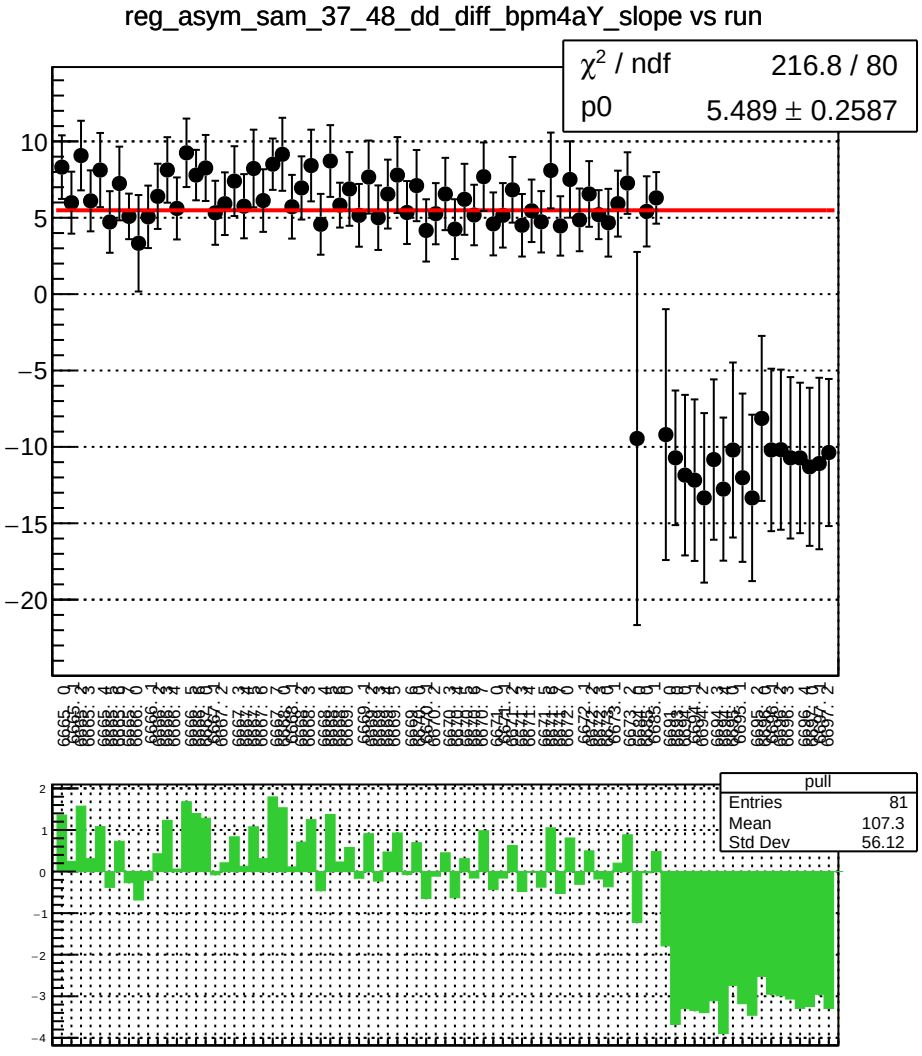


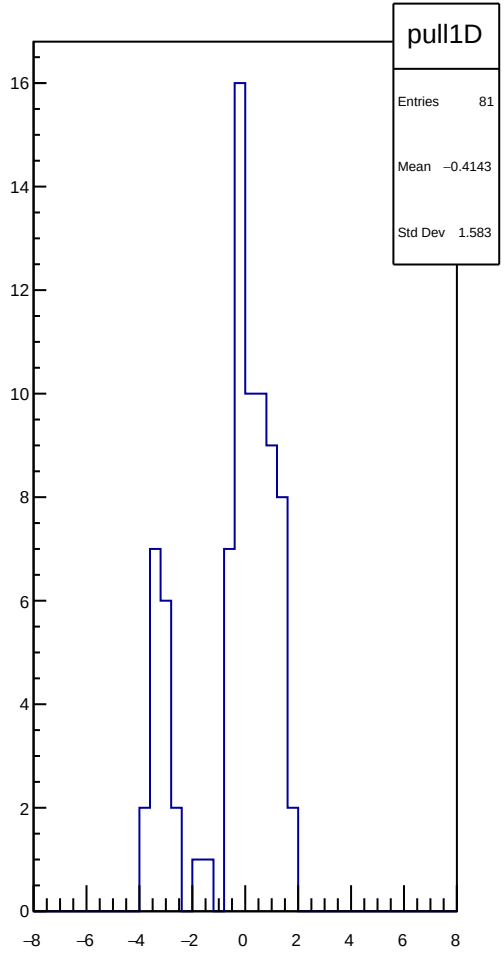


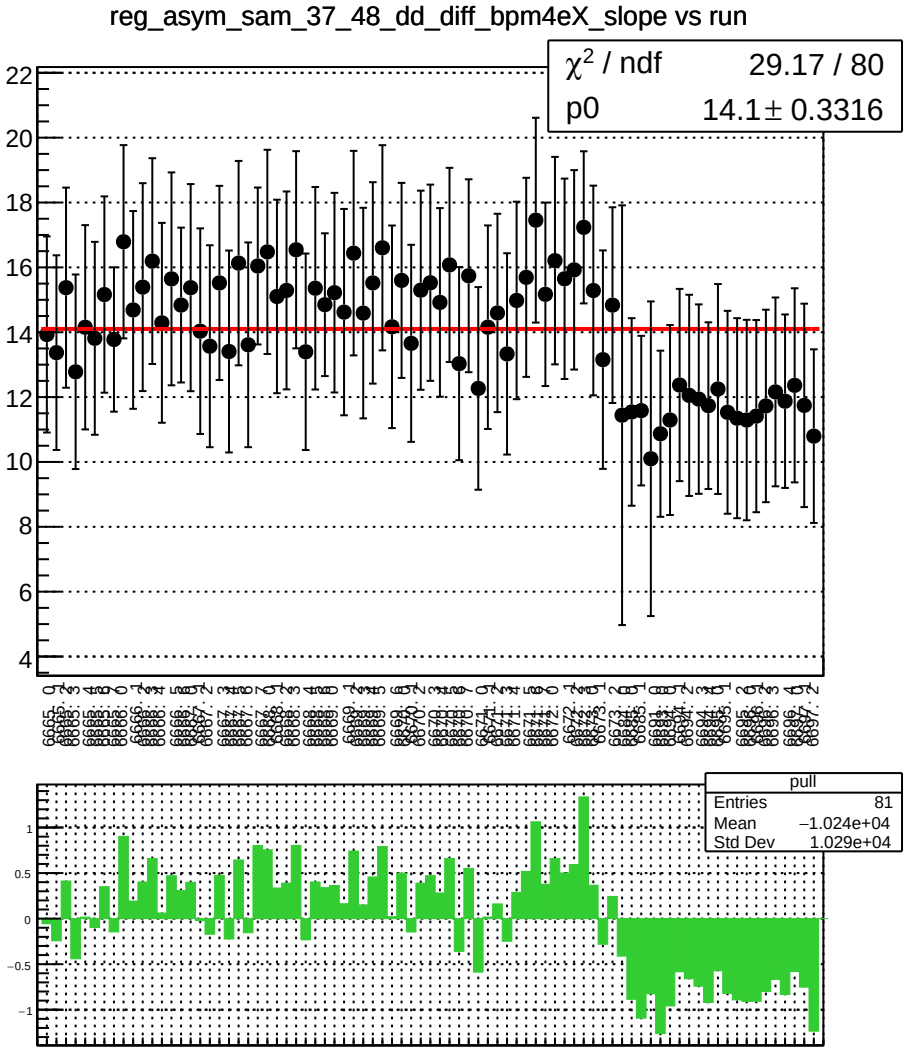

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 77.9 / 80
p0 −0.0524 ± 0.01538
pull
Entries 81
Mean 411.4
Std Dev 362.9
pull1D
Entries 81
Mean 0.04437
Std Dev 0.9797

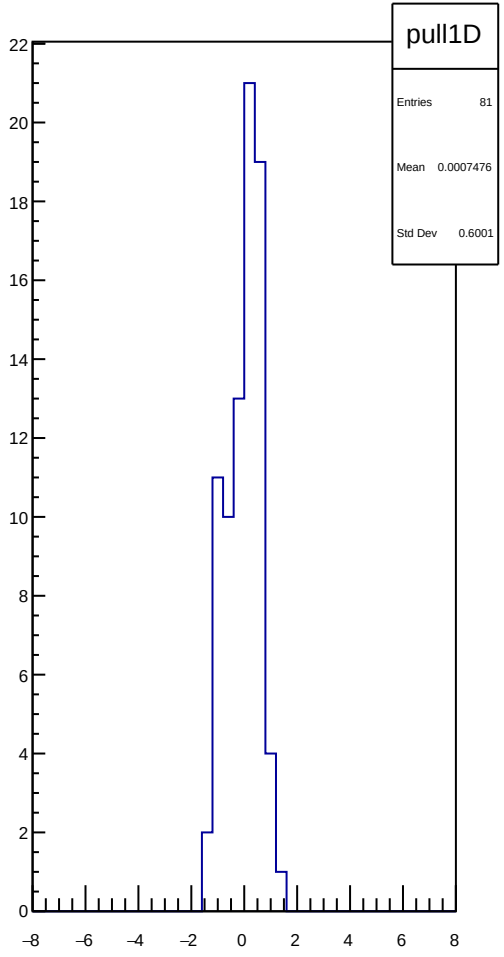

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 28.24 / 80
p0 4.57 ± 0.3137
pull
Entries 81
Mean 317
Std Dev 267.1

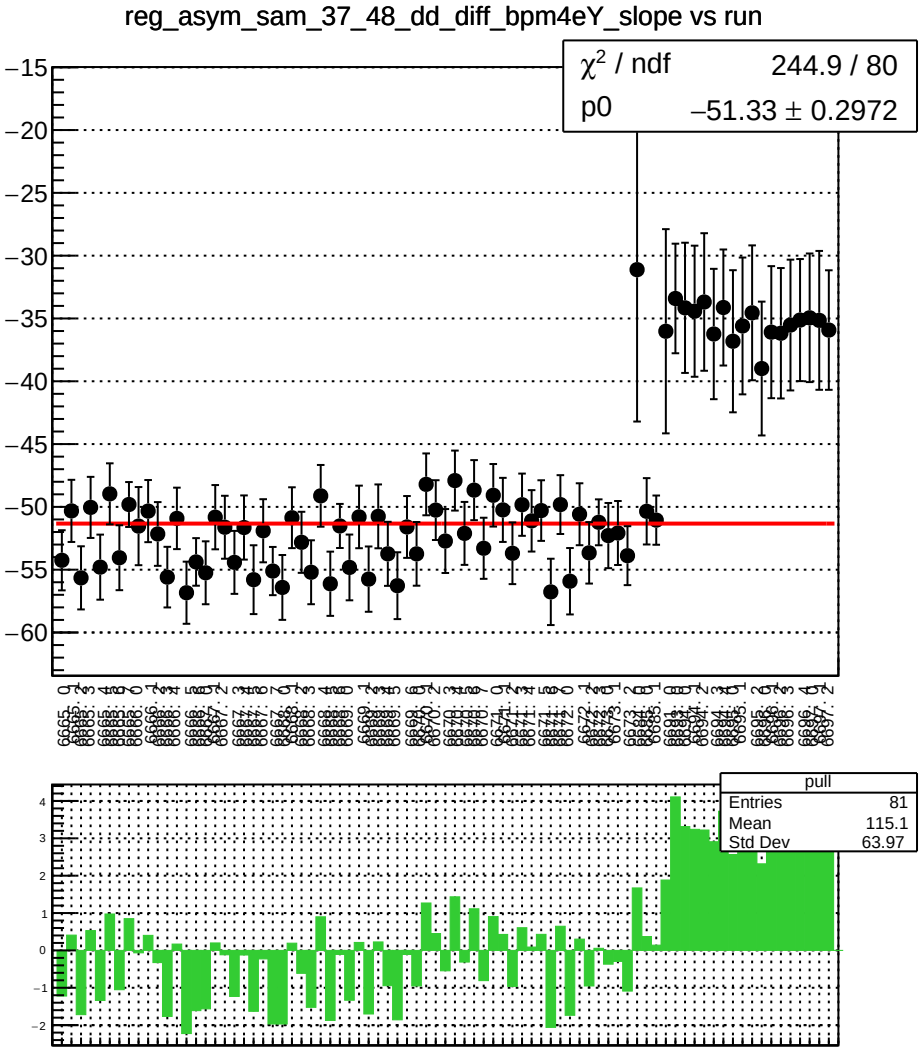

pull1D
Entries 81
Mean 0.02919
Std Dev 0.5898

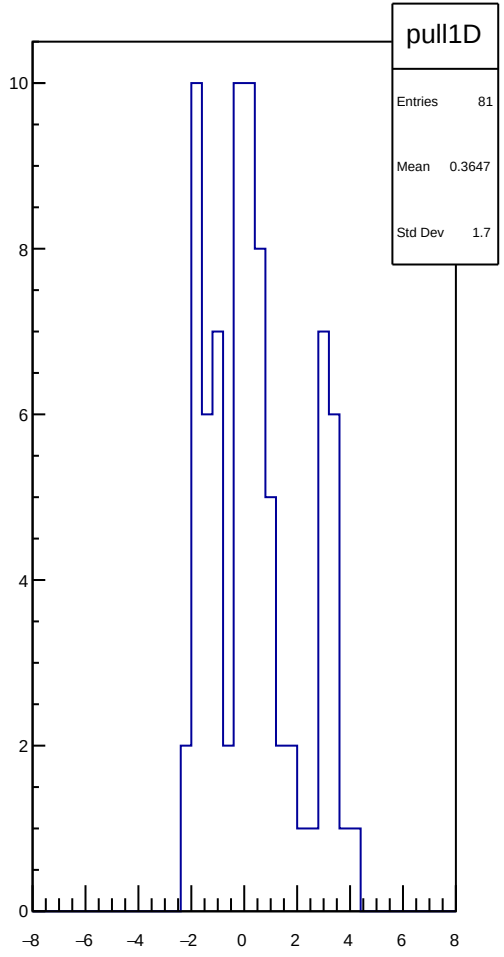

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 216.8 / 80
p0 5.489 ± 0.2587
pull
Entries 81
Mean 107.3
Std Dev 56.12

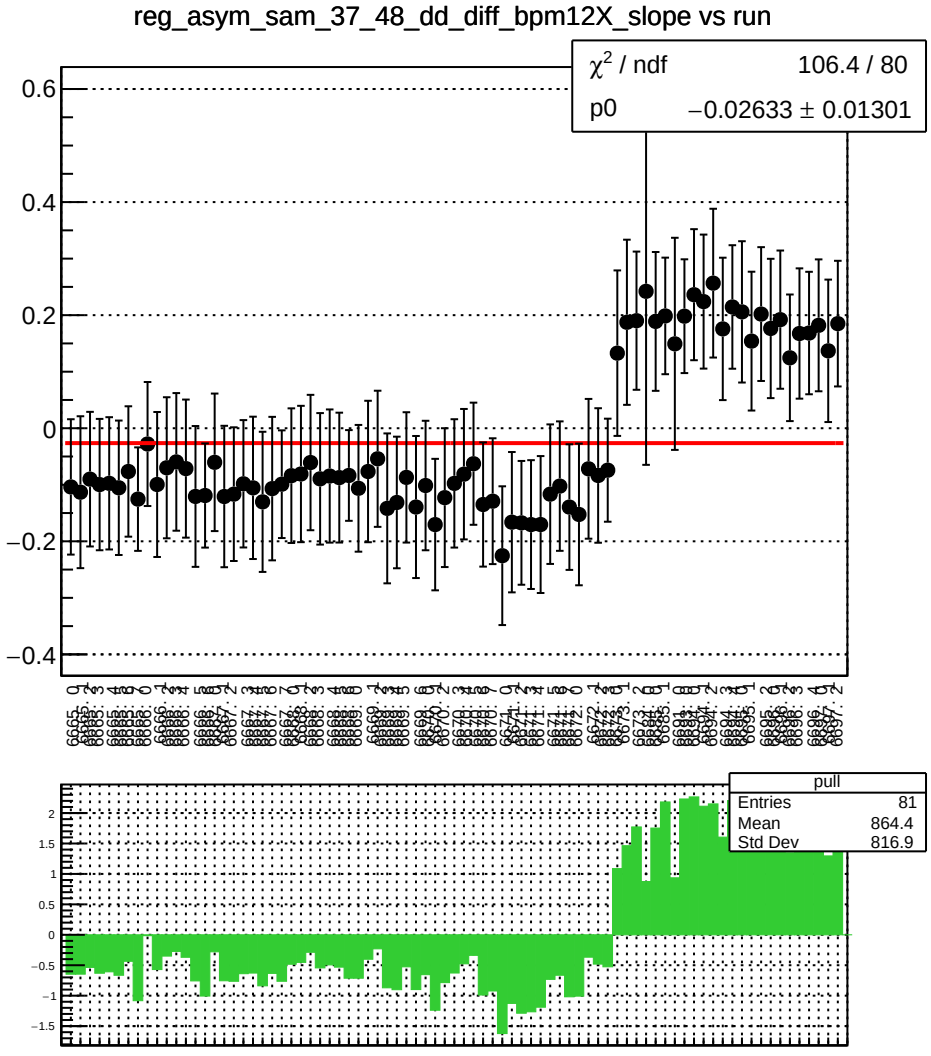

pull1D
Entries 81
Mean −0.4143
Std Dev 1.583

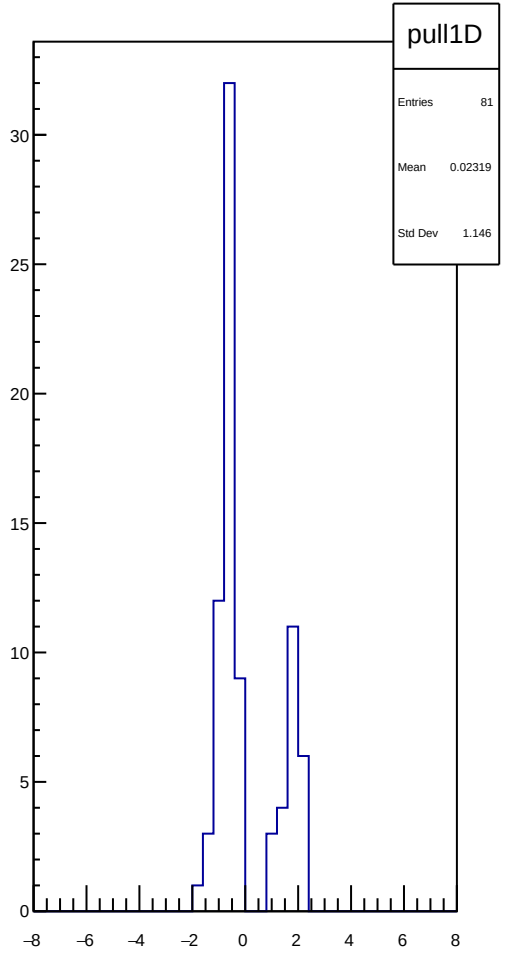

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 29.17 / 80
p0 14.1 ± 0.3316
pull
Entries 81
Mean −1.024e+04
Std Dev 1.029e+04

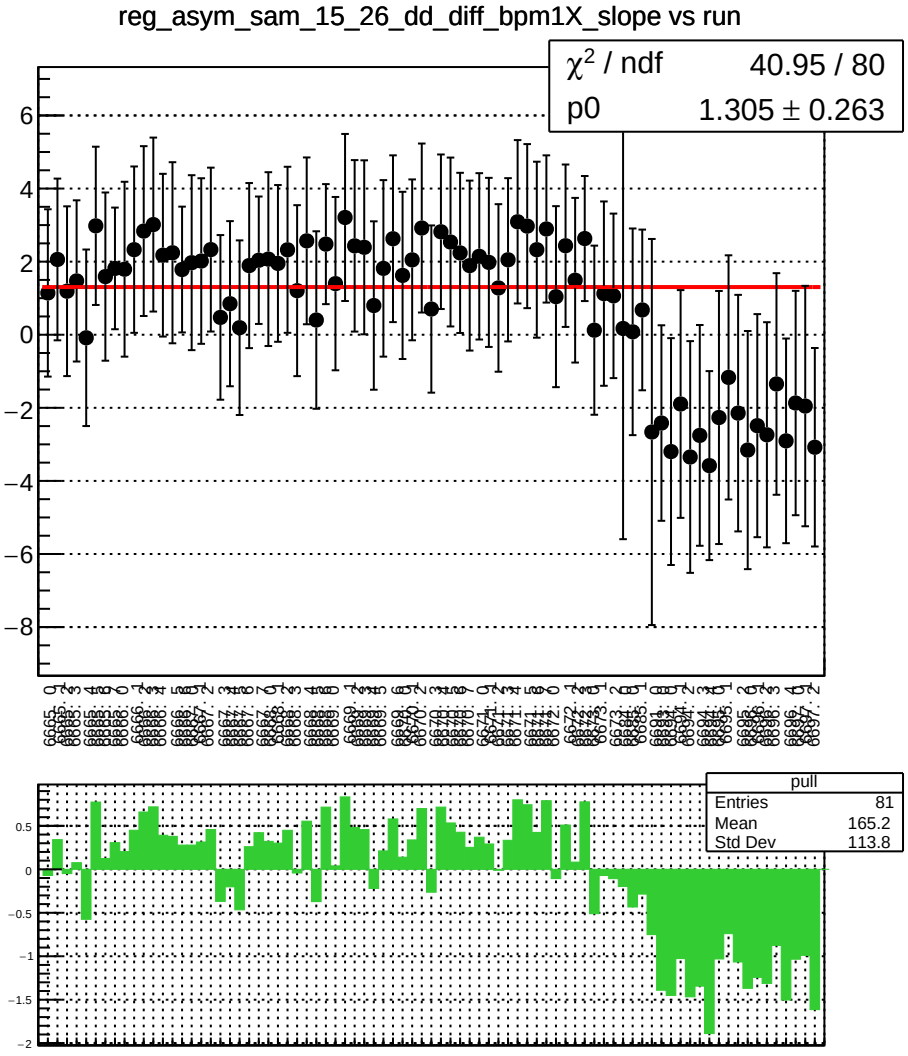

pull1D
Entries 81
Mean 0.0007476
Std Dev 0.6001

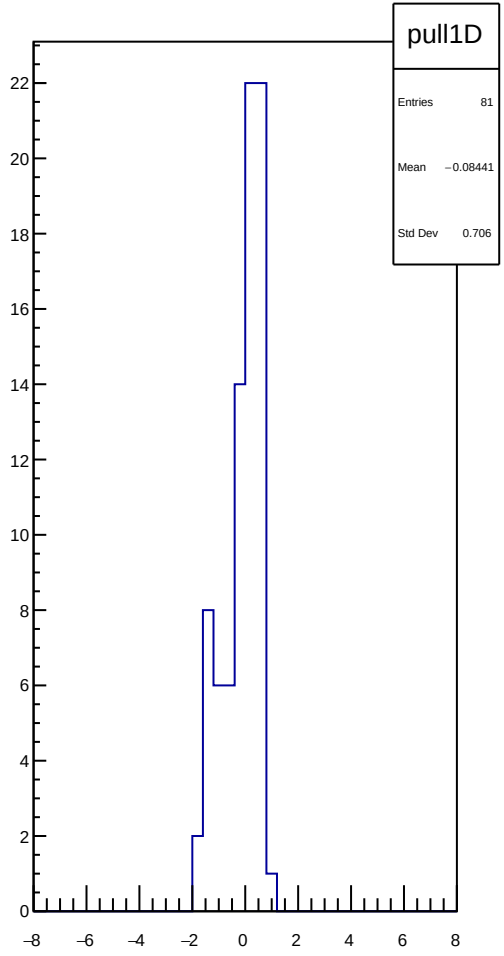

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 244.9 / 80
p0 −51.33 ± 0.2972
pull
Entries 81
Mean 115.1
Std Dev 63.97

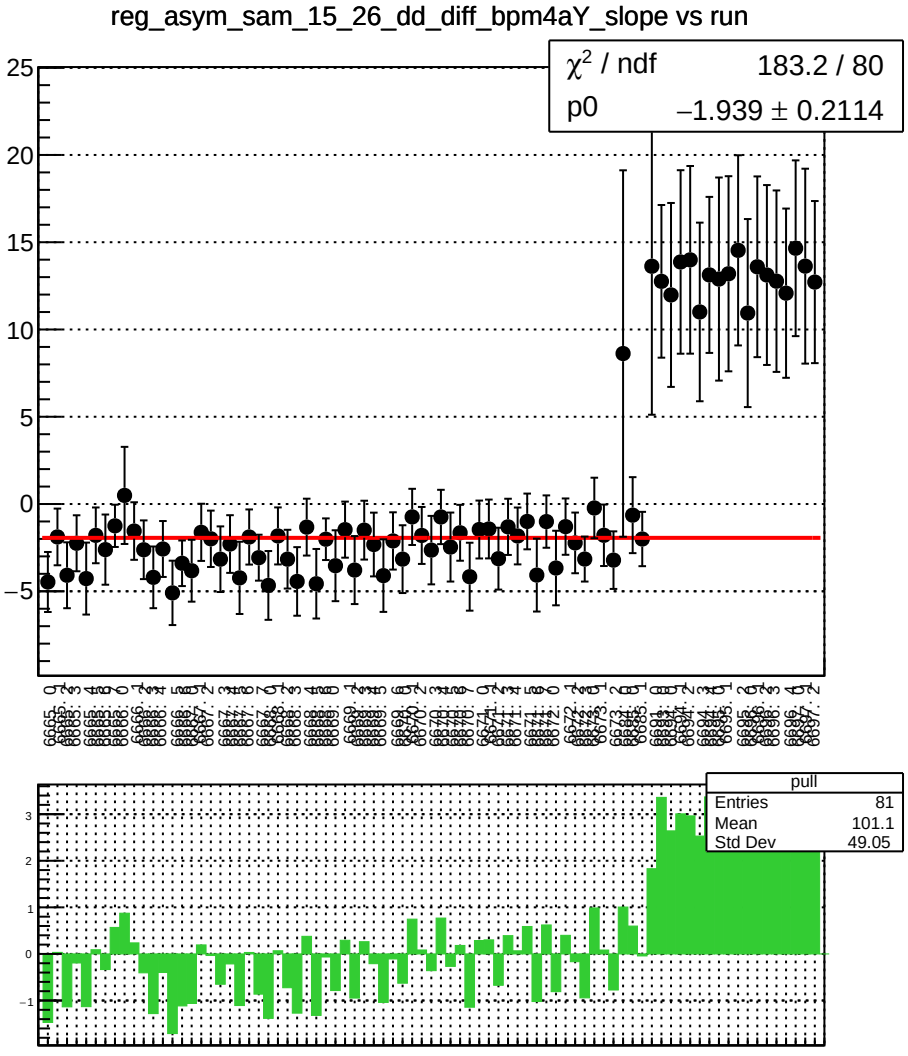

pull1D
Entries 81
Mean 0.3647
Std Dev 1.7

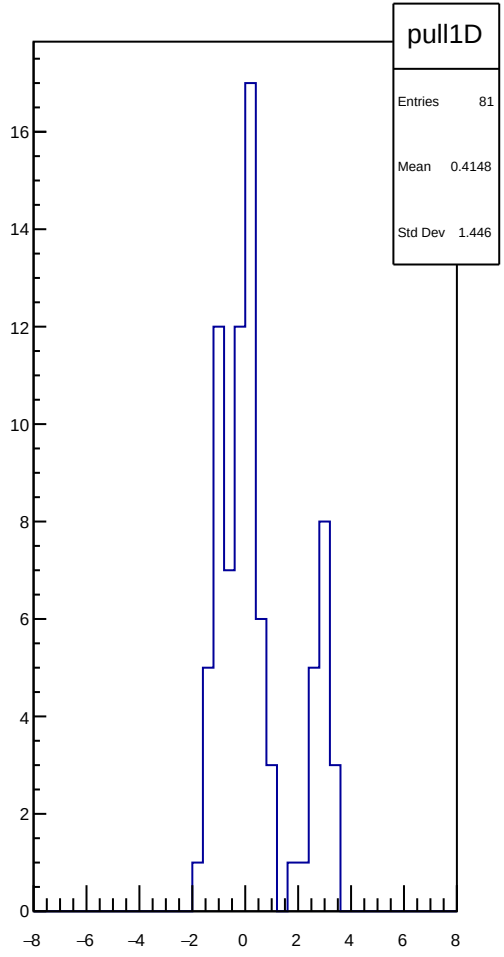

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 106.4 / 80
p0 −0.02633 ± 0.01301
pull
Entries 81
Mean 864.4
Std Dev 816.9


pull1D
Entries 81
Mean 0.02319
Std Dev 1.146

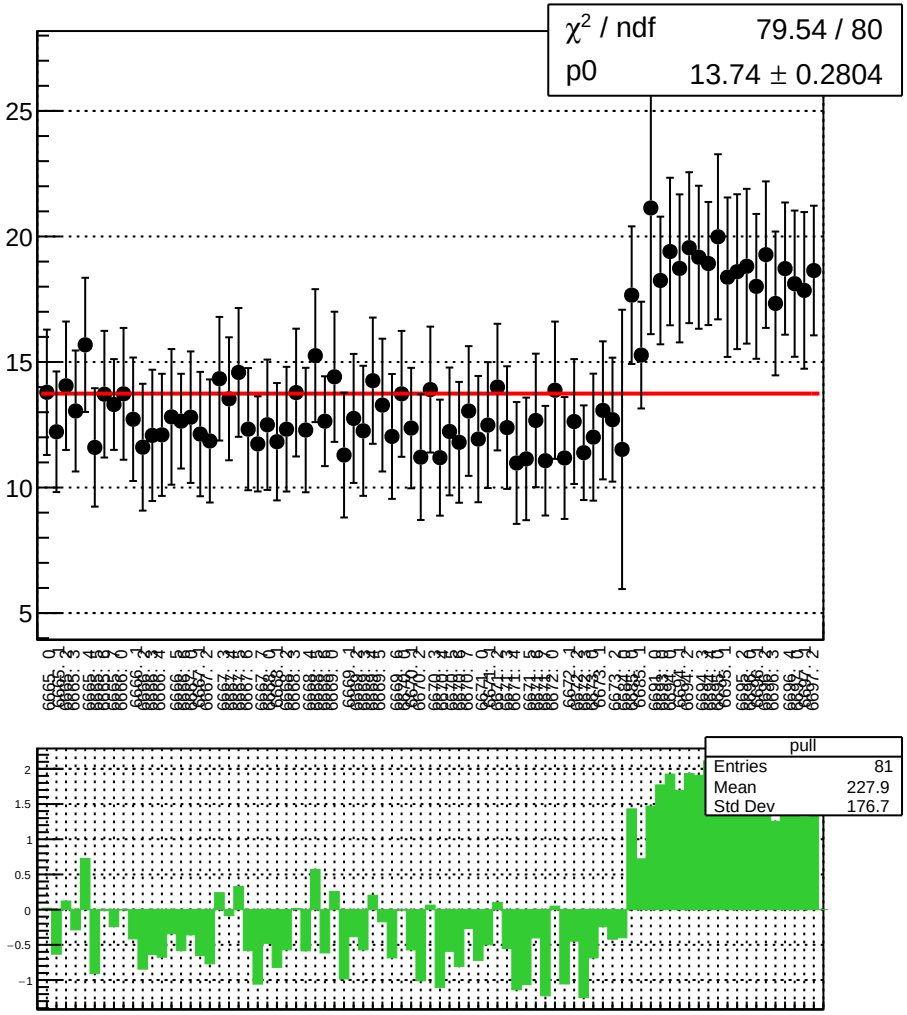

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 40.95 / 80
p0 1.305 ± 0.263
pull
Entries 81
Mean 165.2
Std Dev 113.8

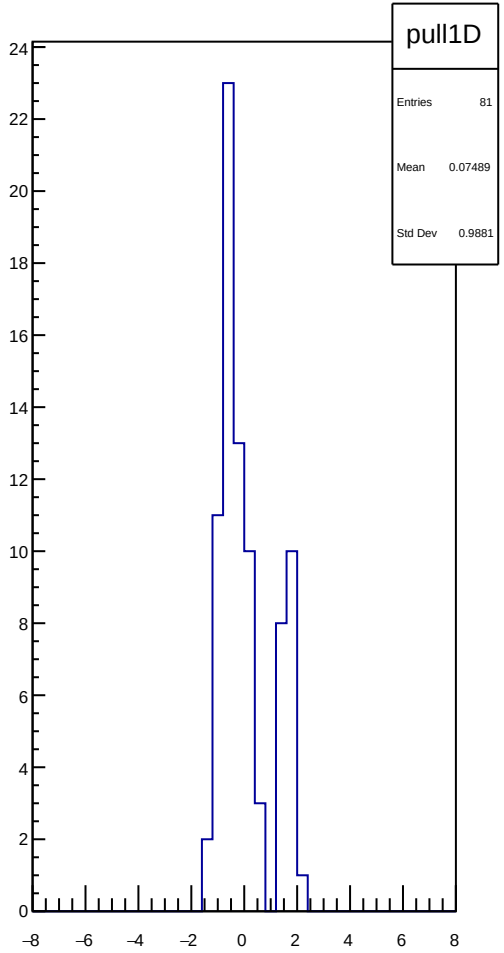

pull1D
Entries 81
Mean −0.08441
Std Dev 0.706

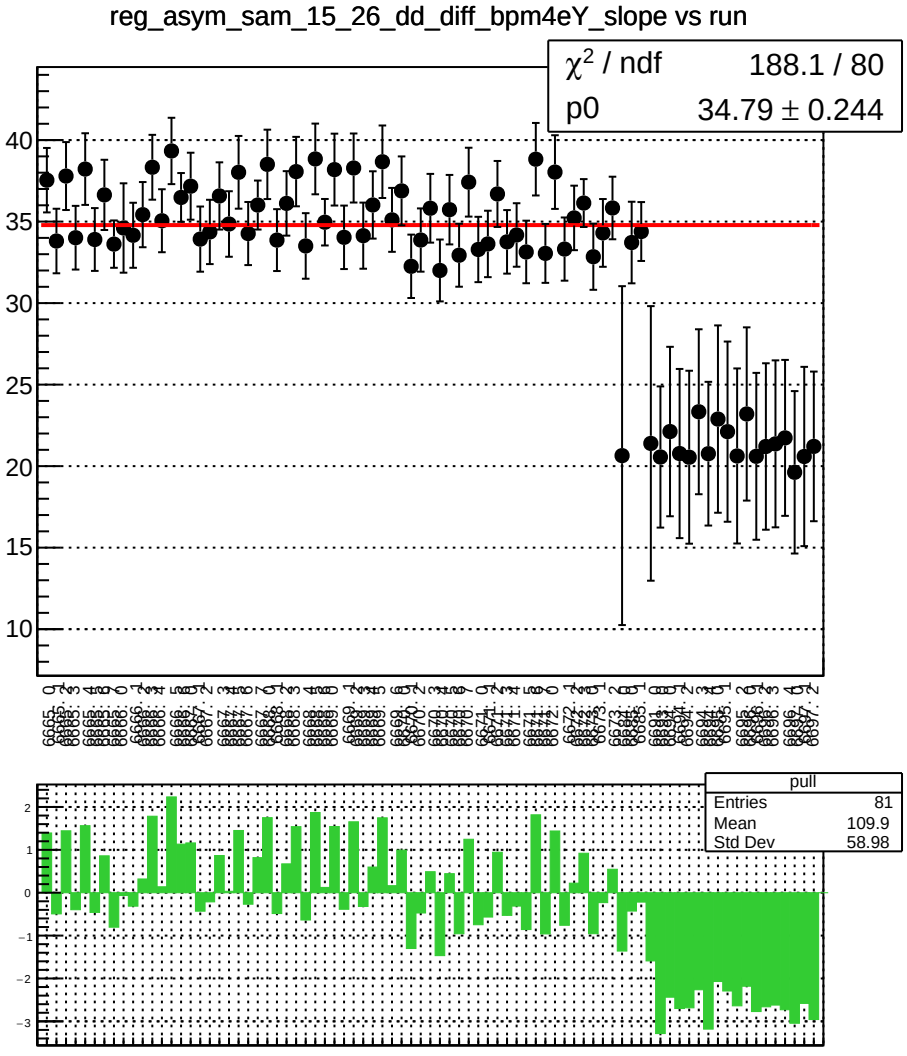

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 183.2 / 80
p0 −1.939 ± 0.2114
pull
Entries 81
Mean 101.1
Std Dev 49.05

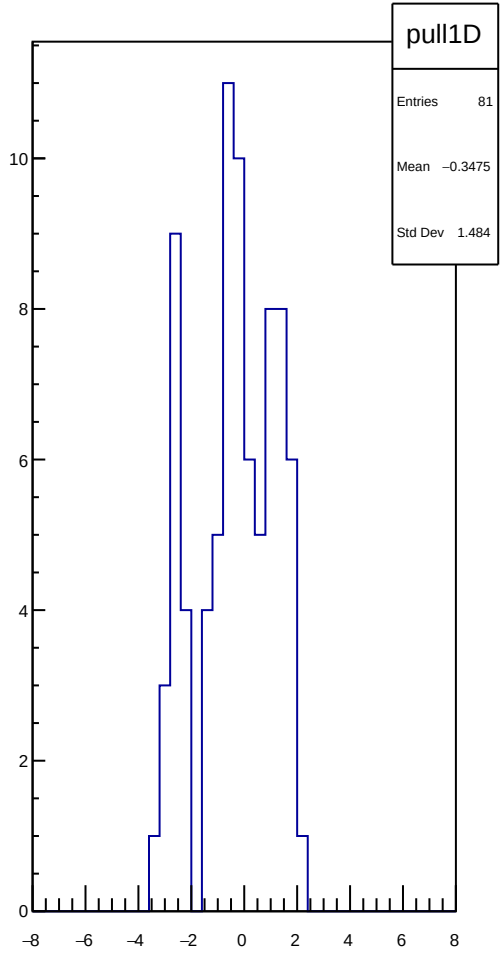

pull1D
Entries 81
Mean 0.4148
Std Dev 1.446

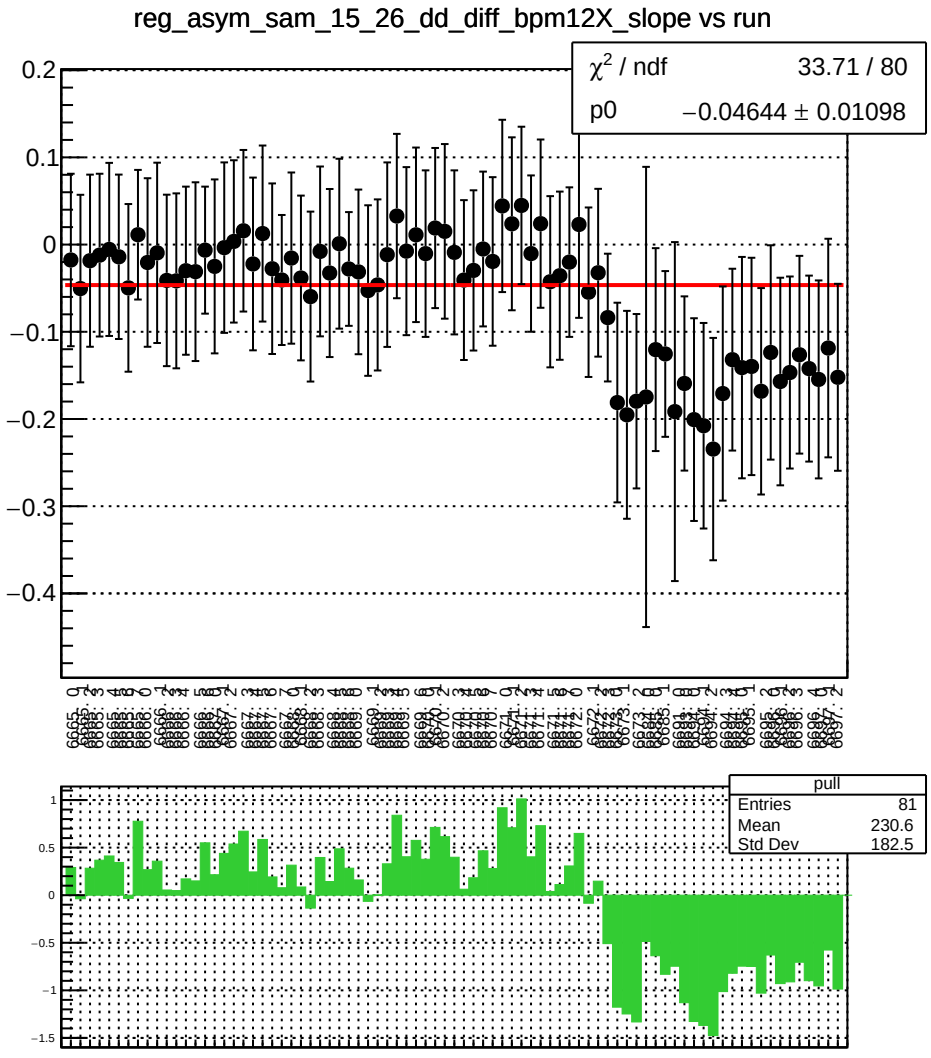
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run

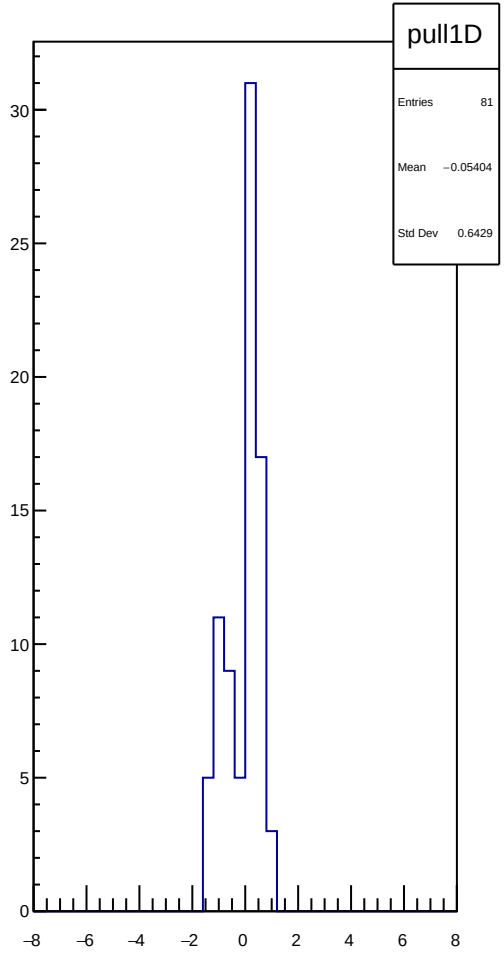


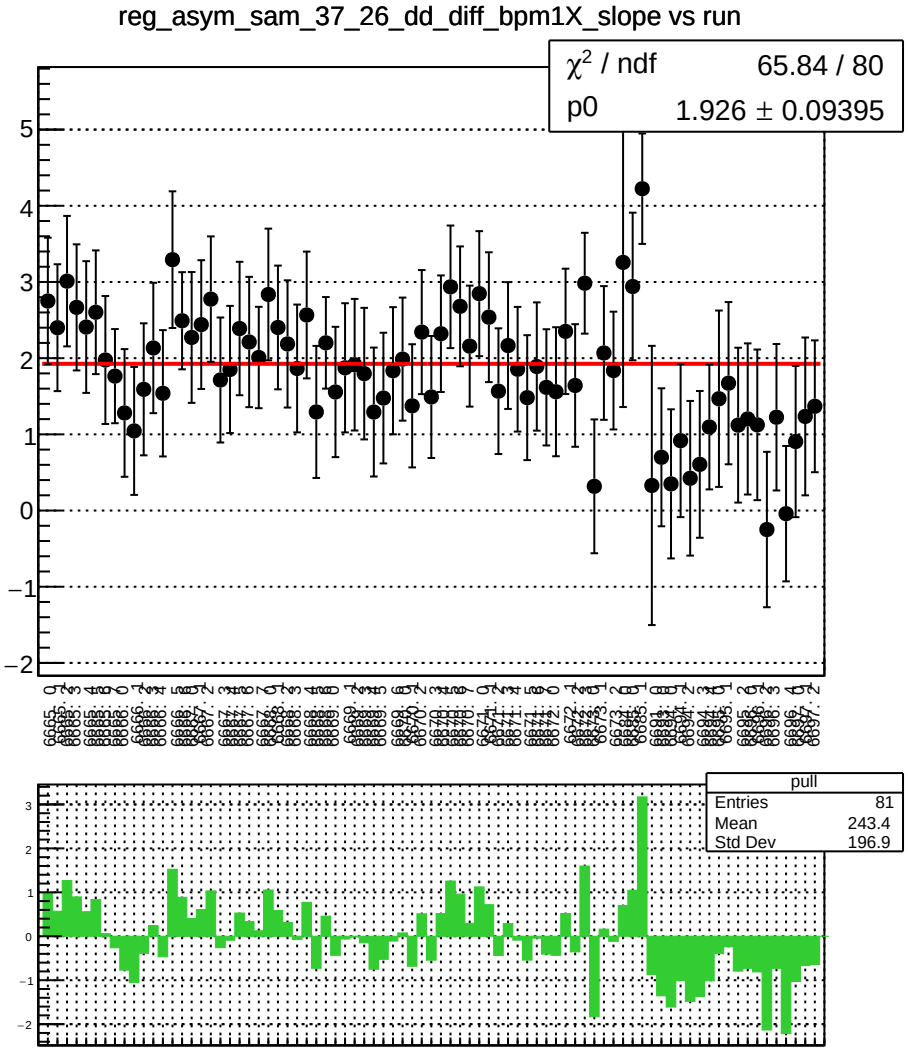


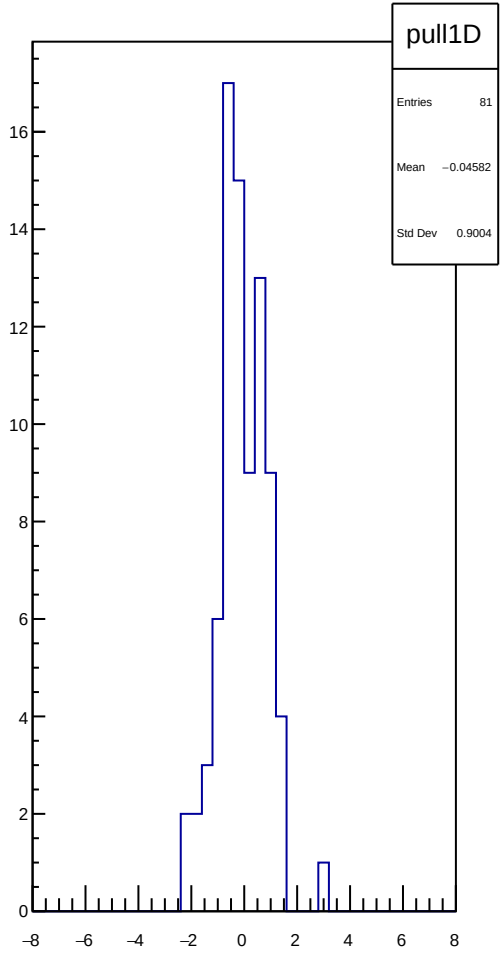

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 188.1 / 80
p0 34.79 ± 0.244
pull
Entries 81
Mean 109.9
Std Dev 58.98

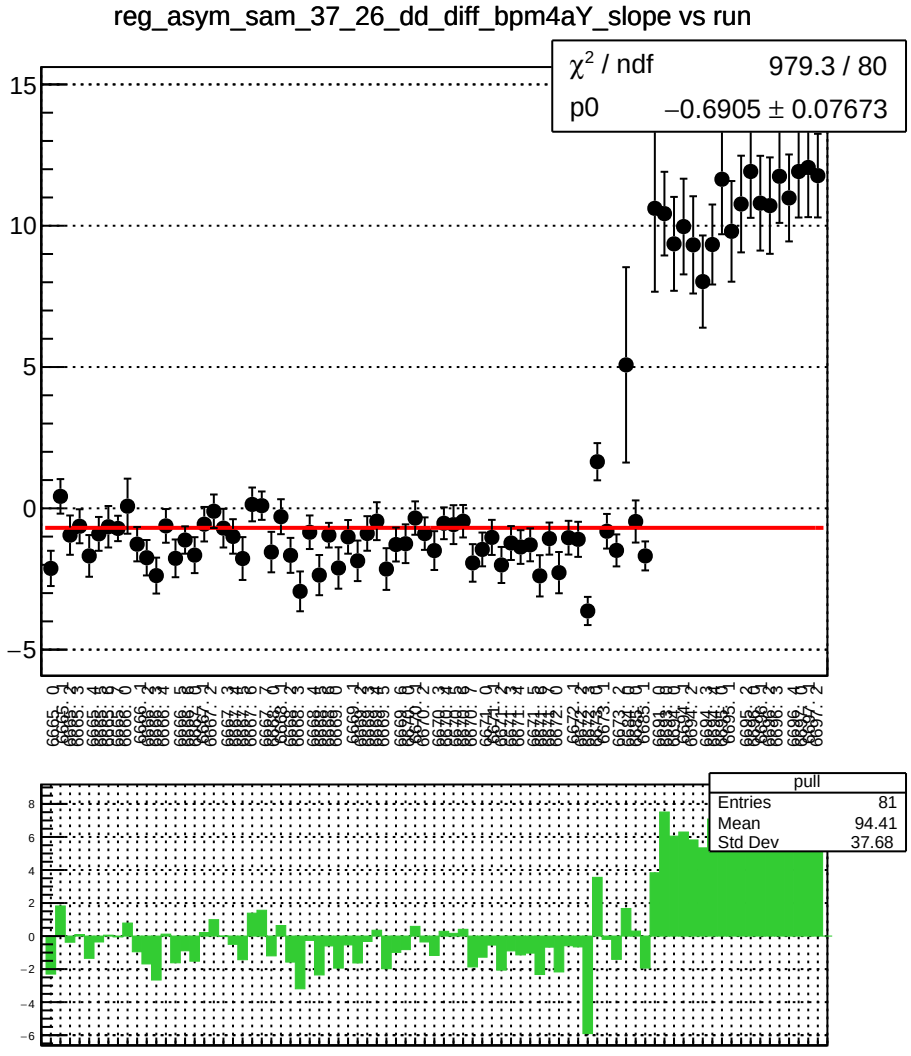

pull1D
Entries 81
Mean −0.3475
Std Dev 1.484

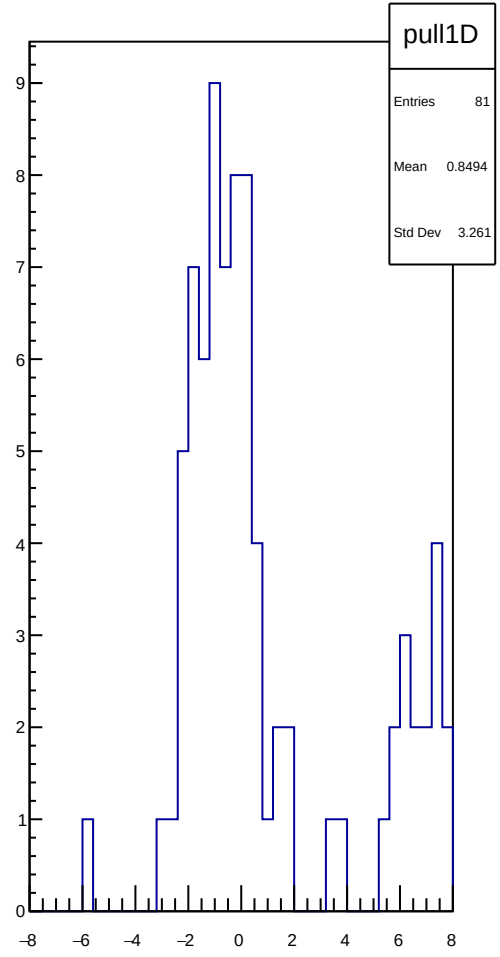

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 33.71 / 80
p0 −0.04644 ± 0.01098
pull
Entries 81
Mean 230.6
Std Dev 182.5

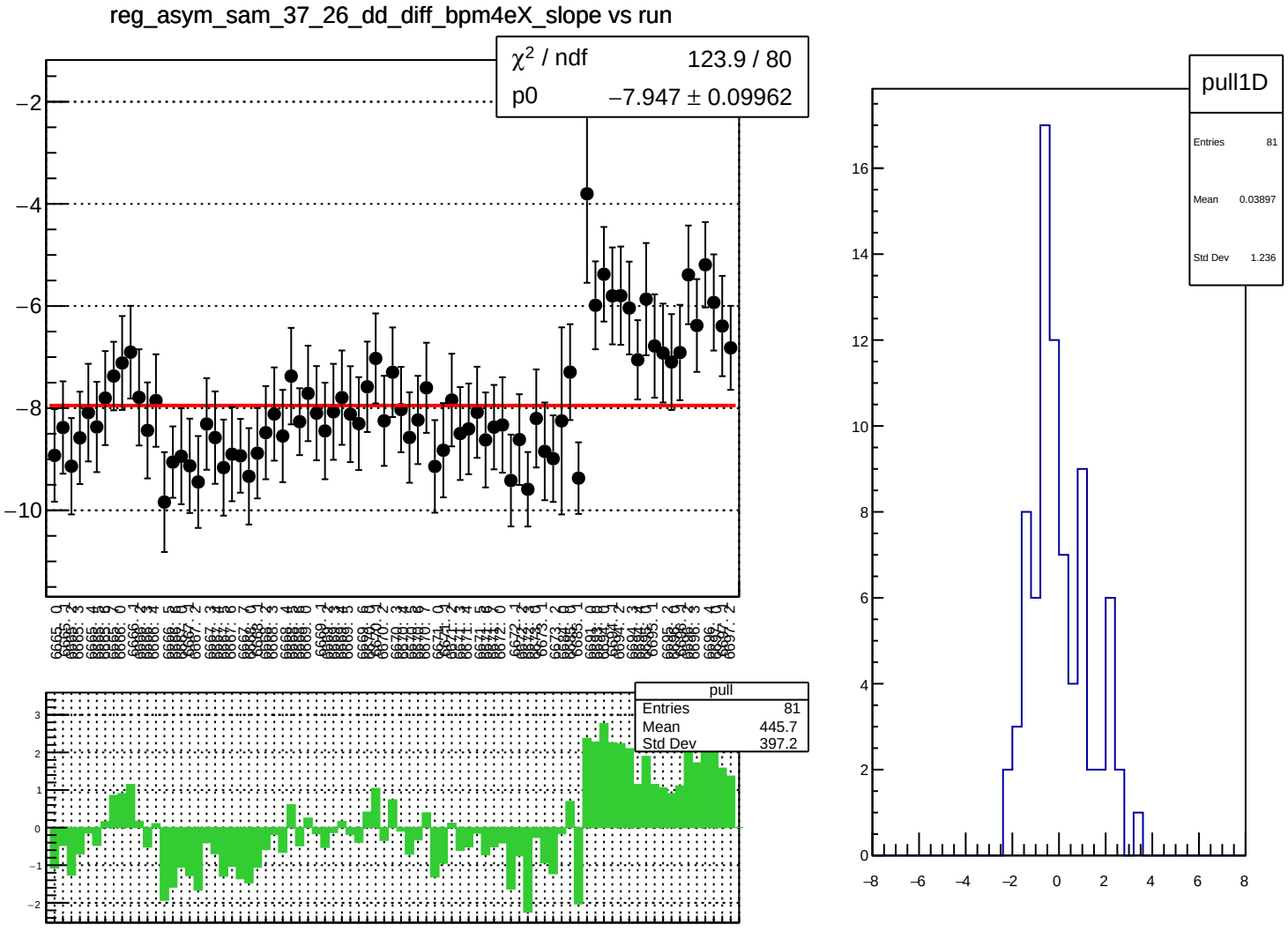

pull1D
Entries 81
Mean −0.05404
Std Dev 0.6429

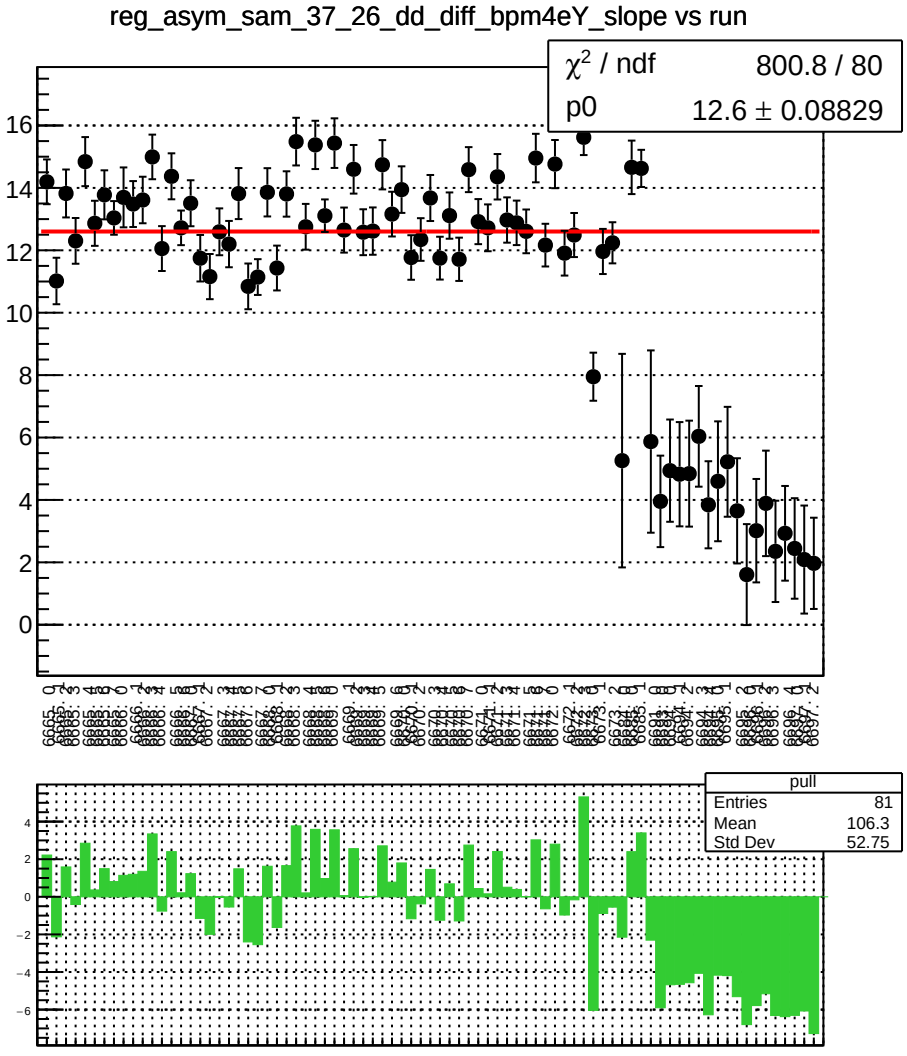

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 65.84 / 80
p0 1.926 ± 0.09395
pull
Entries 81
Mean 243.4
Std Dev 196.9

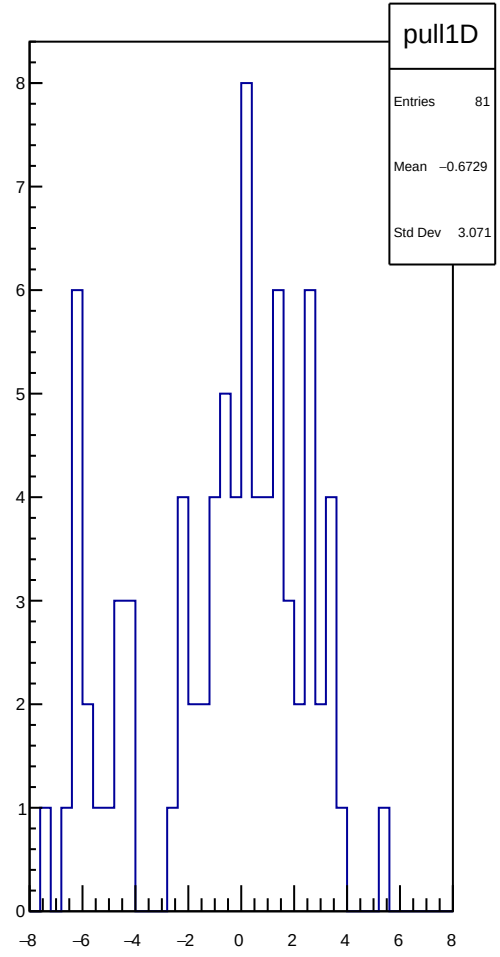

pull1D
Entries 81
Mean −0.04582
Std Dev 0.9004

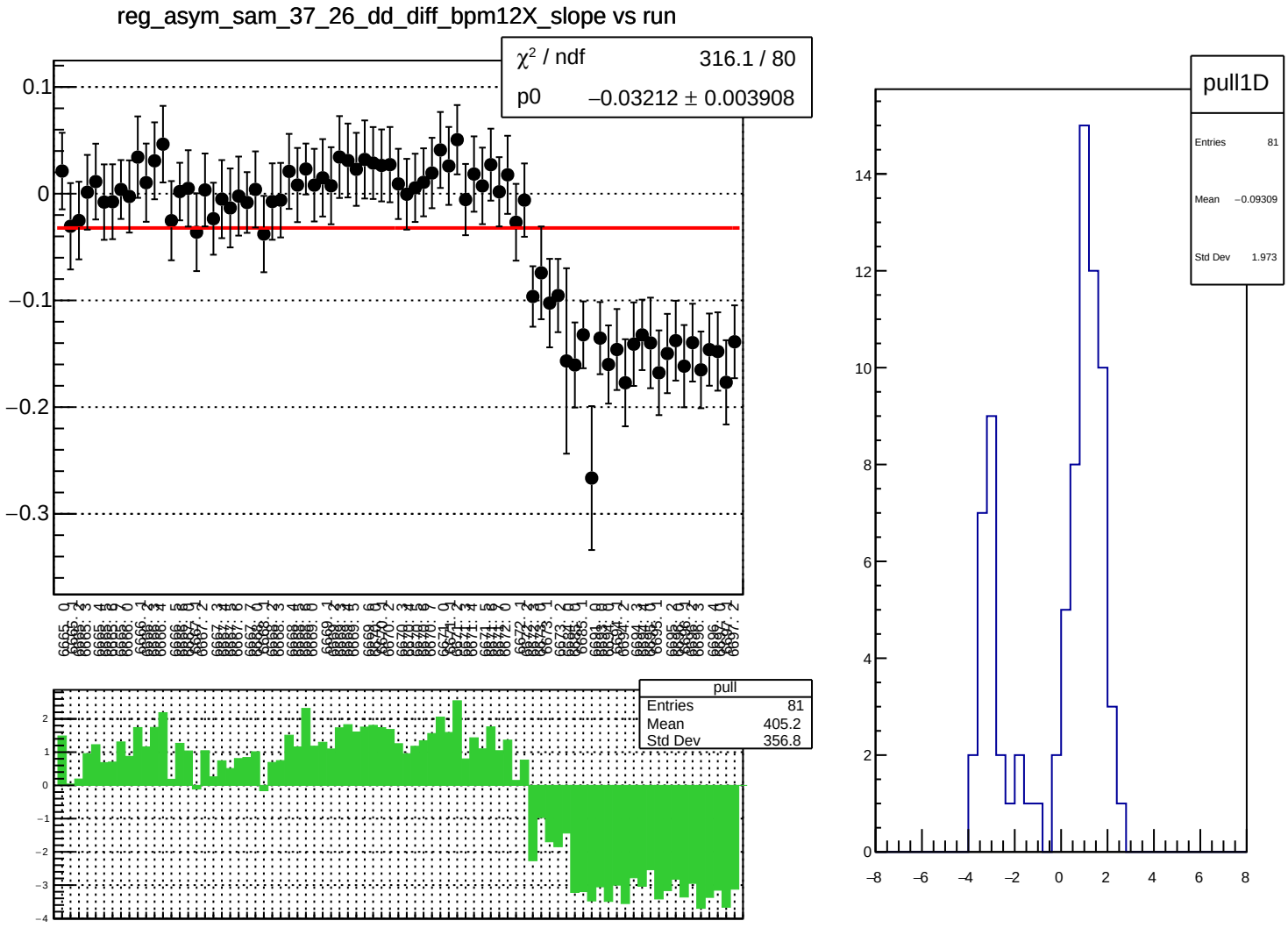

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 979.3 / 80
p0 −0.6905 ± 0.07673
pull
Entries 81
Mean 94.41
Std Dev 37.68

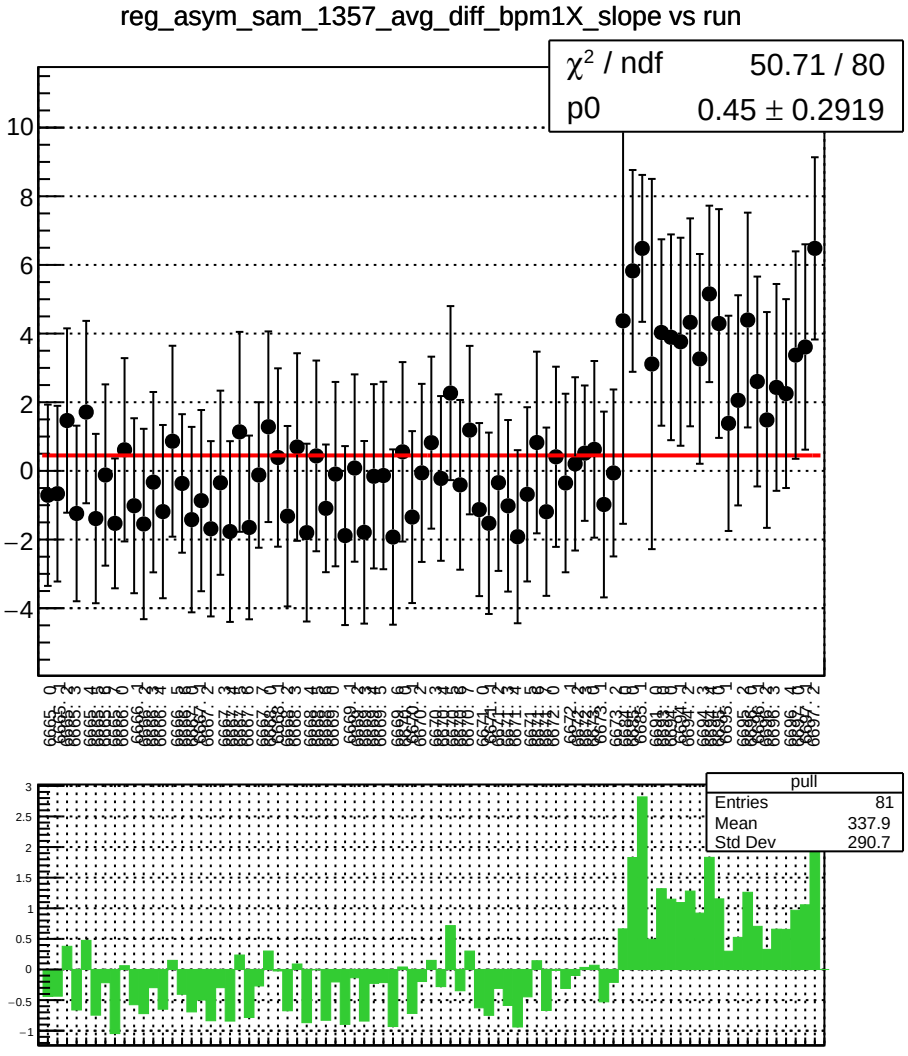

pull1D
Entries 81
Mean 0.8494
Std Dev 3.261

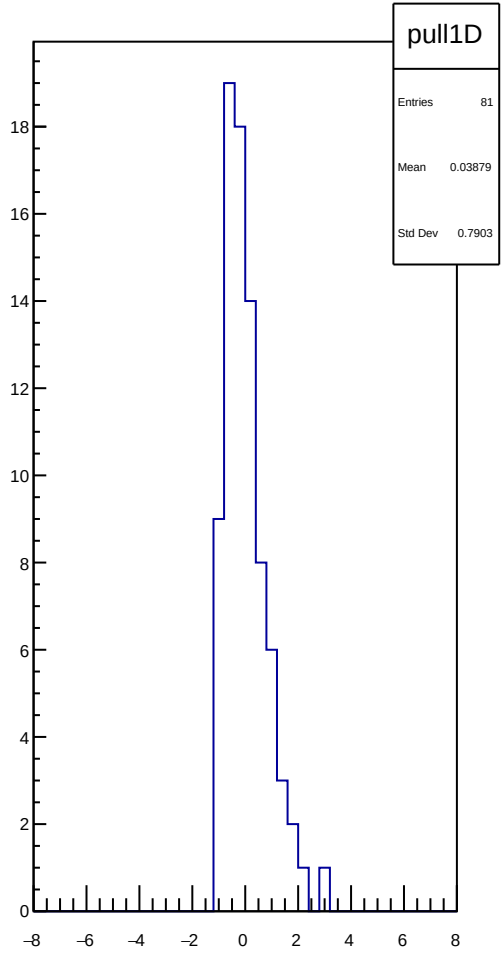

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 123.9 / 80
p0 −7.947 ± 0.09962
pull
Entries 81
Mean 445.7
Std Dev 397.2
pull1D
Entries 81
Mean 0.03897
Std Dev 1.236

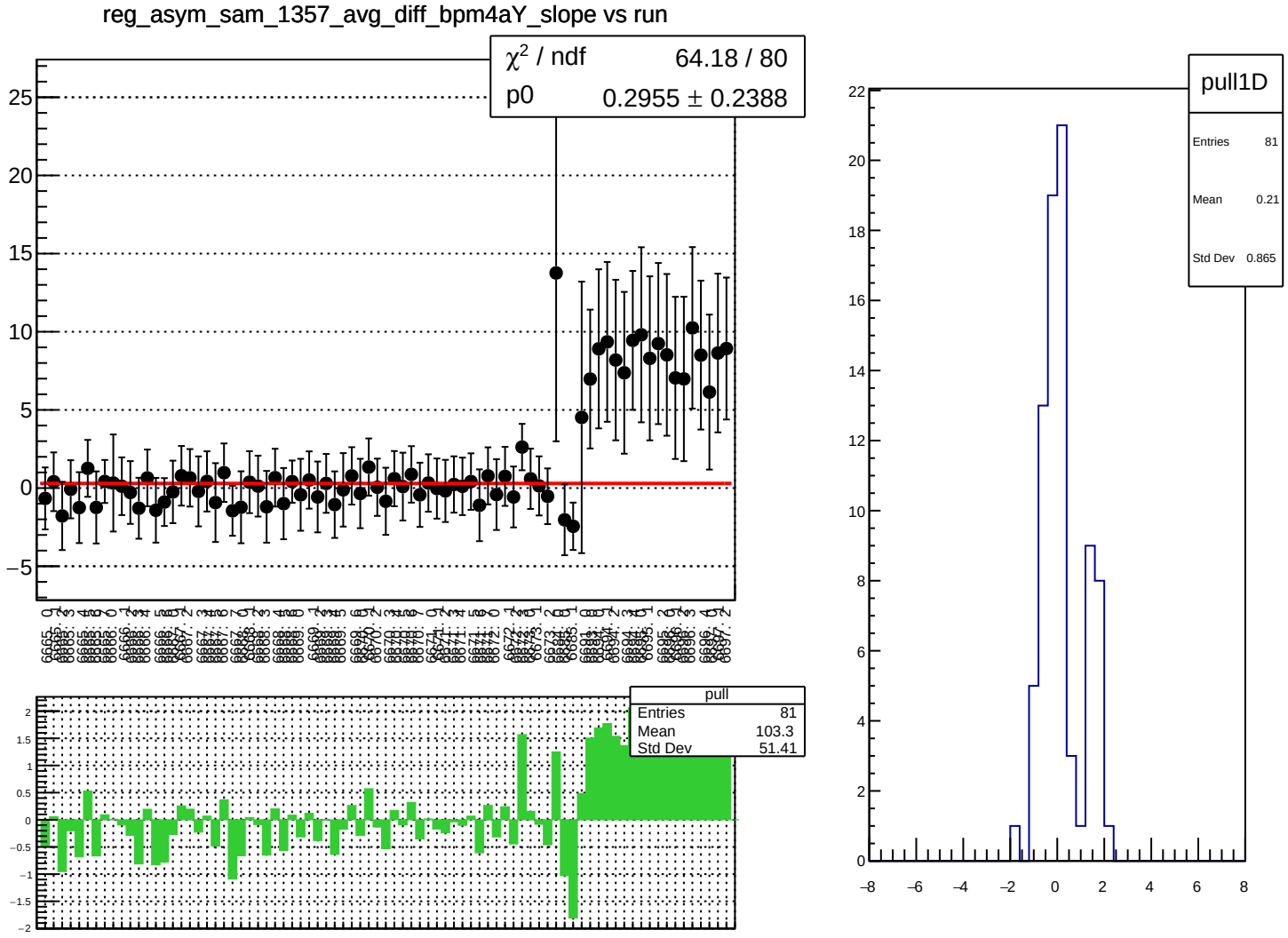

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 800.8 / 80
p0 12.6 ± 0.08829
pull
Entries 81
Mean 106.3
Std Dev 52.75

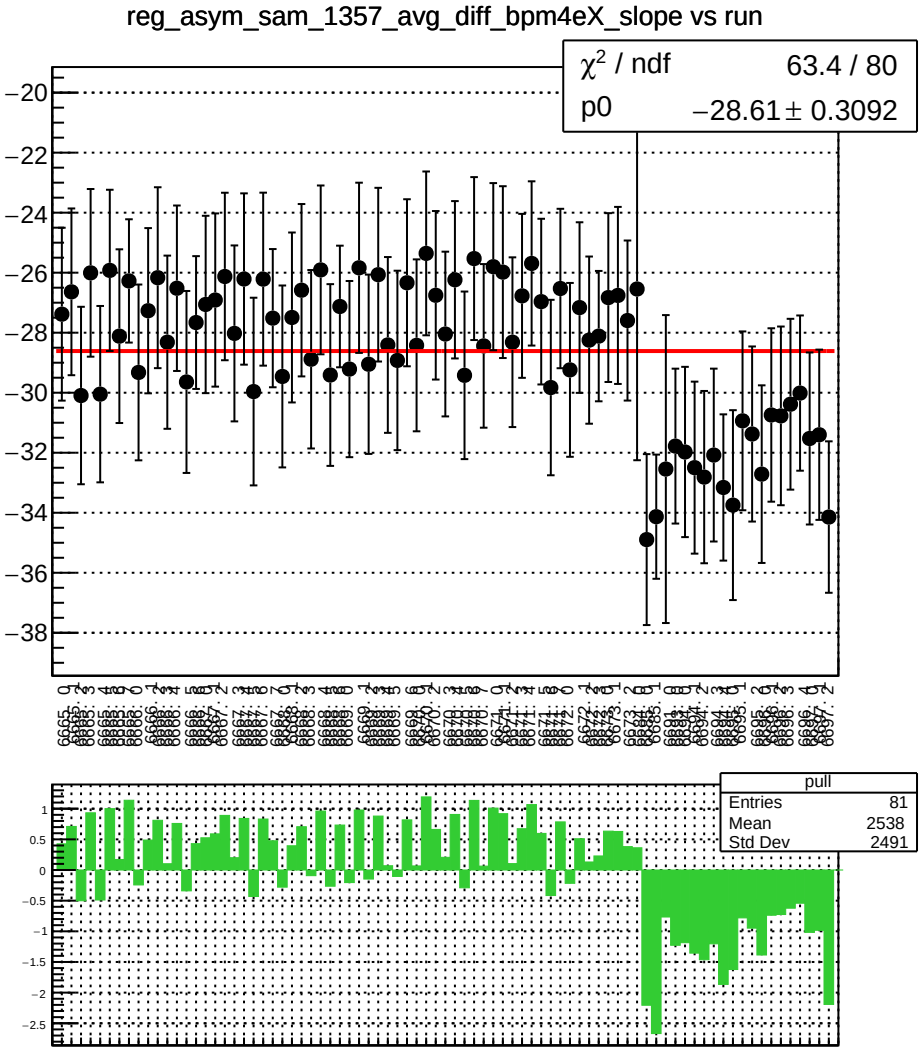

pull1D
Entries 81
Mean −0.6729
Std Dev 3.071

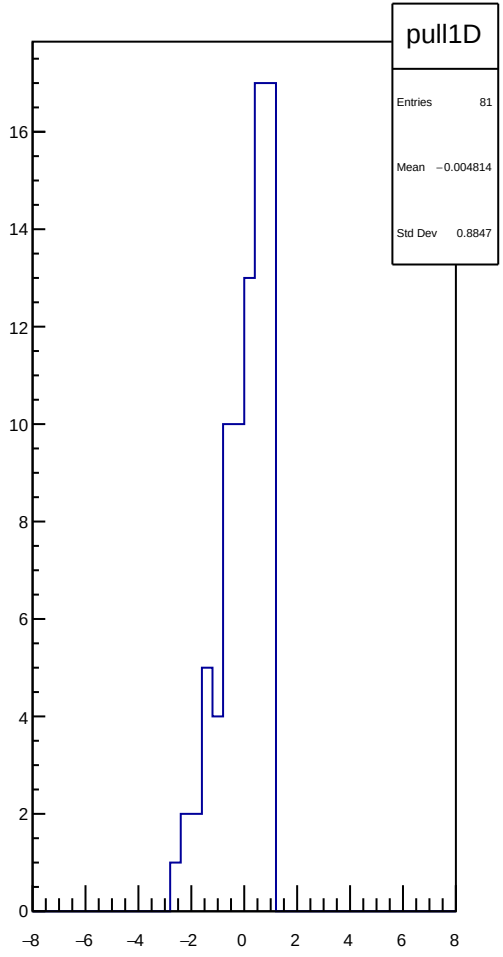

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 316.1 / 80
p0 −0.03212 ± 0.003908
pull
Entries 81
Mean 405.2
Std Dev 356.8
pull1D
Entries 81
Mean −0.09309
Std Dev 1.973

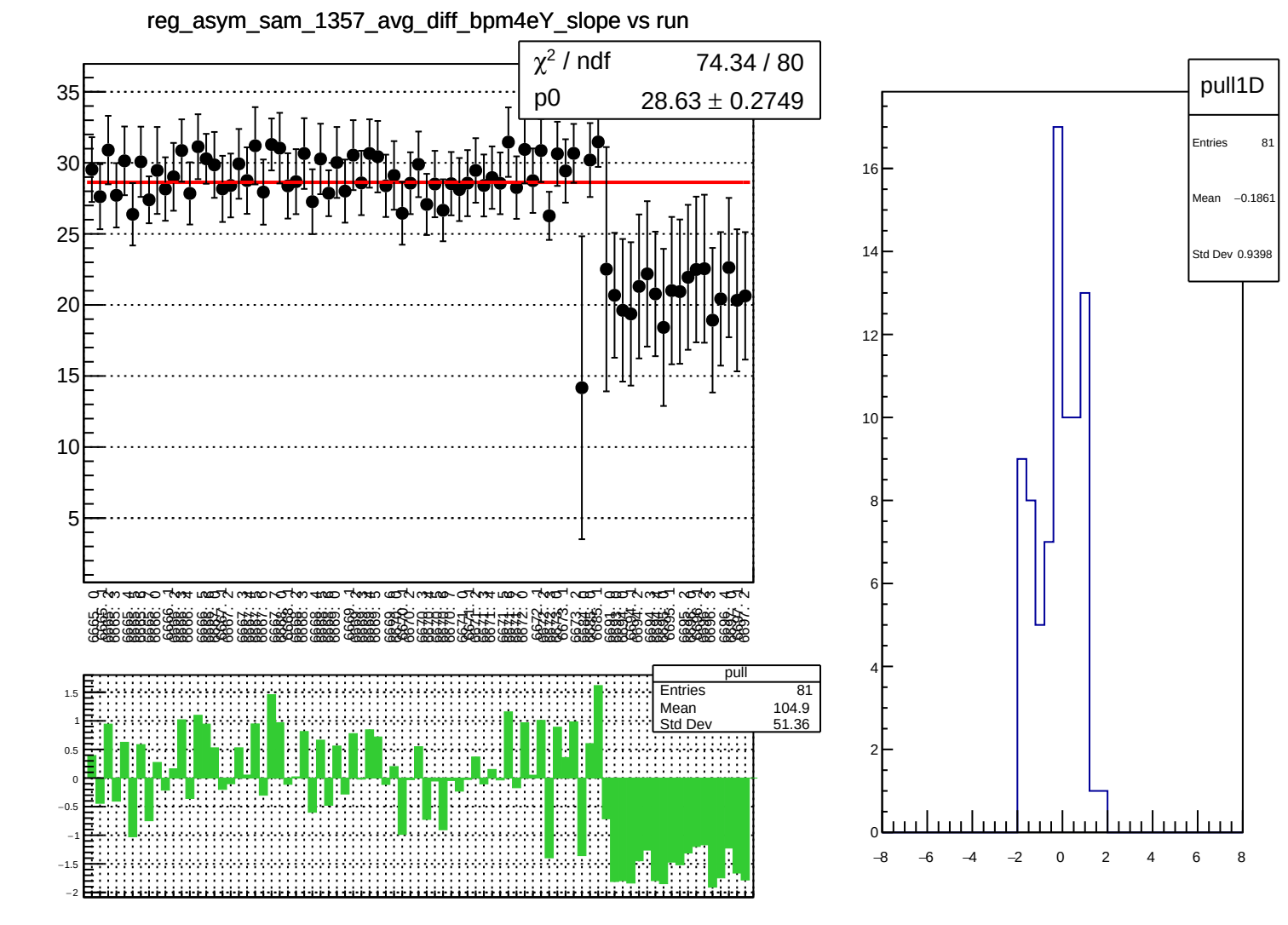

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 50.71 / 80
p0 0.45 ± 0.2919
pull
Entries 81
Mean 337.9
Std Dev 290.7

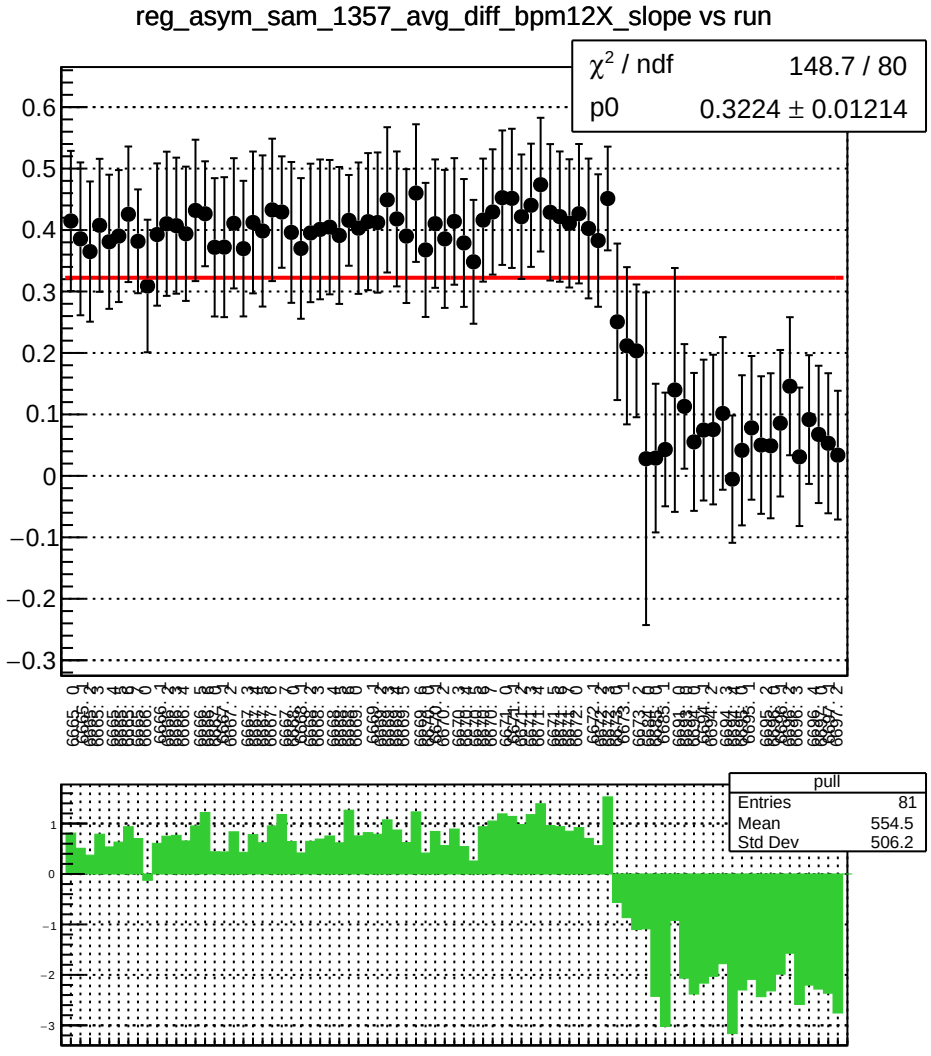

pull1D
Entries 81
Mean 0.03879
Std Dev 0.7903

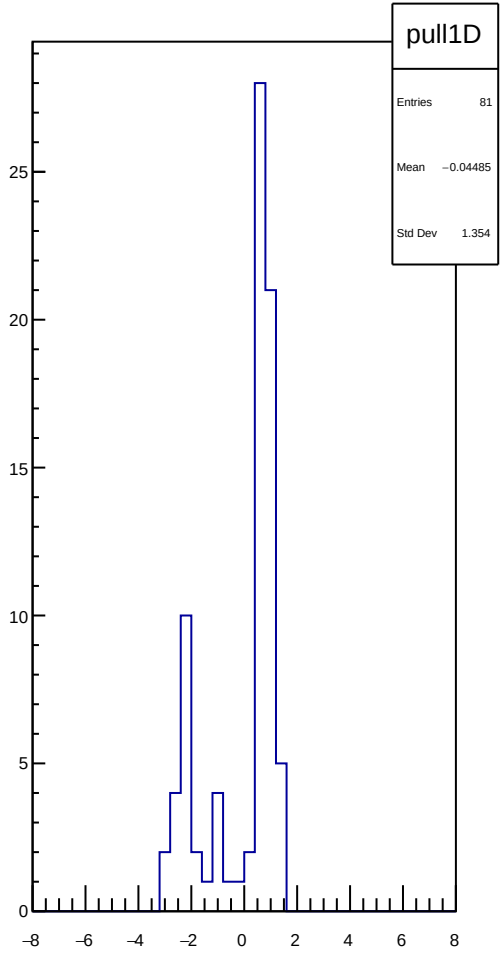

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.18 / 80
p0 0.2955 ± 0.2388
pull
Entries 81
Mean 103.3
Std Dev 51.41
pull1D
Entries 81
Mean 0.21
Std Dev 0.865

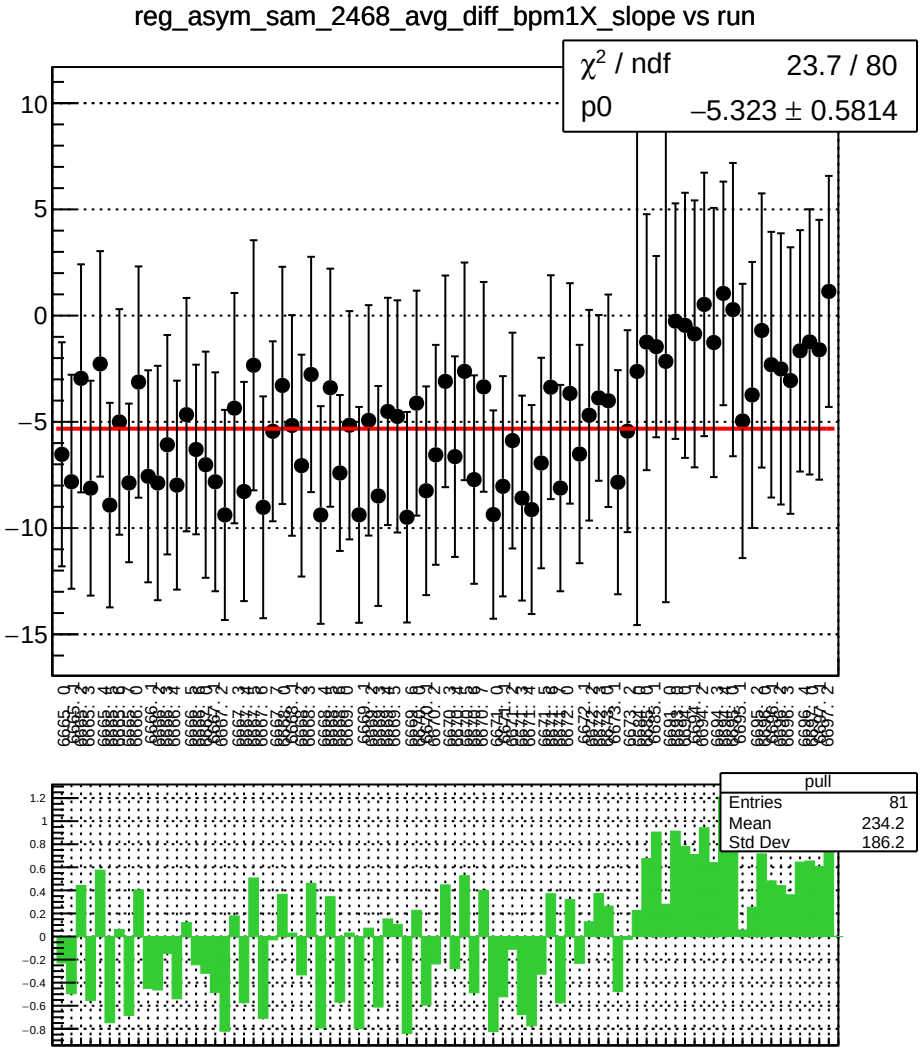

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.4 / 80
p0 −28.61 ± 0.3092
pull
Entries 81
Mean 2538
Std Dev 2491

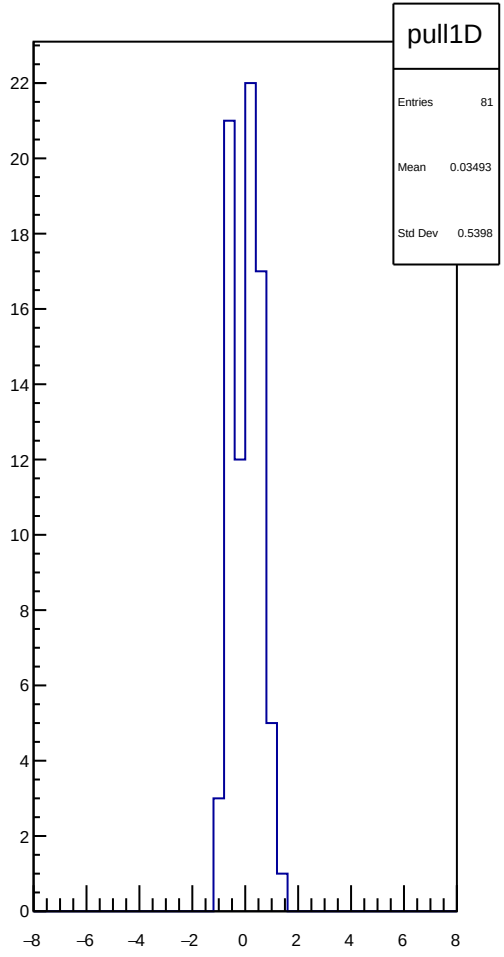

pull1D
Entries 81
Mean −0.004814
Std Dev 0.8847

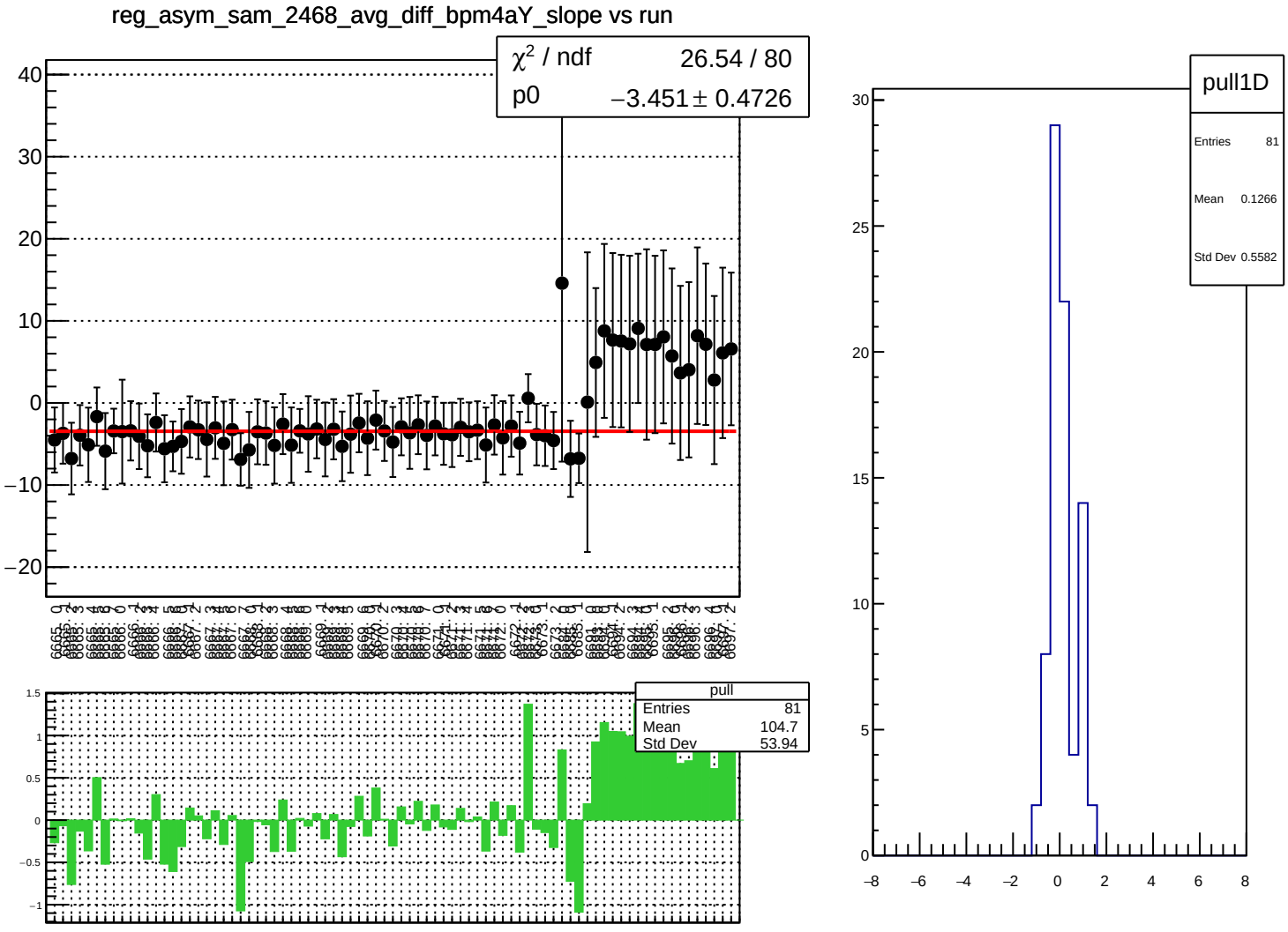

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.34 / 80
p0 28.63 ± 0.2749
pull
Entries 81
Mean 104.9
Std Dev 51.36
pull1D
Entries 81
Mean −0.1861
Std Dev 0.9398

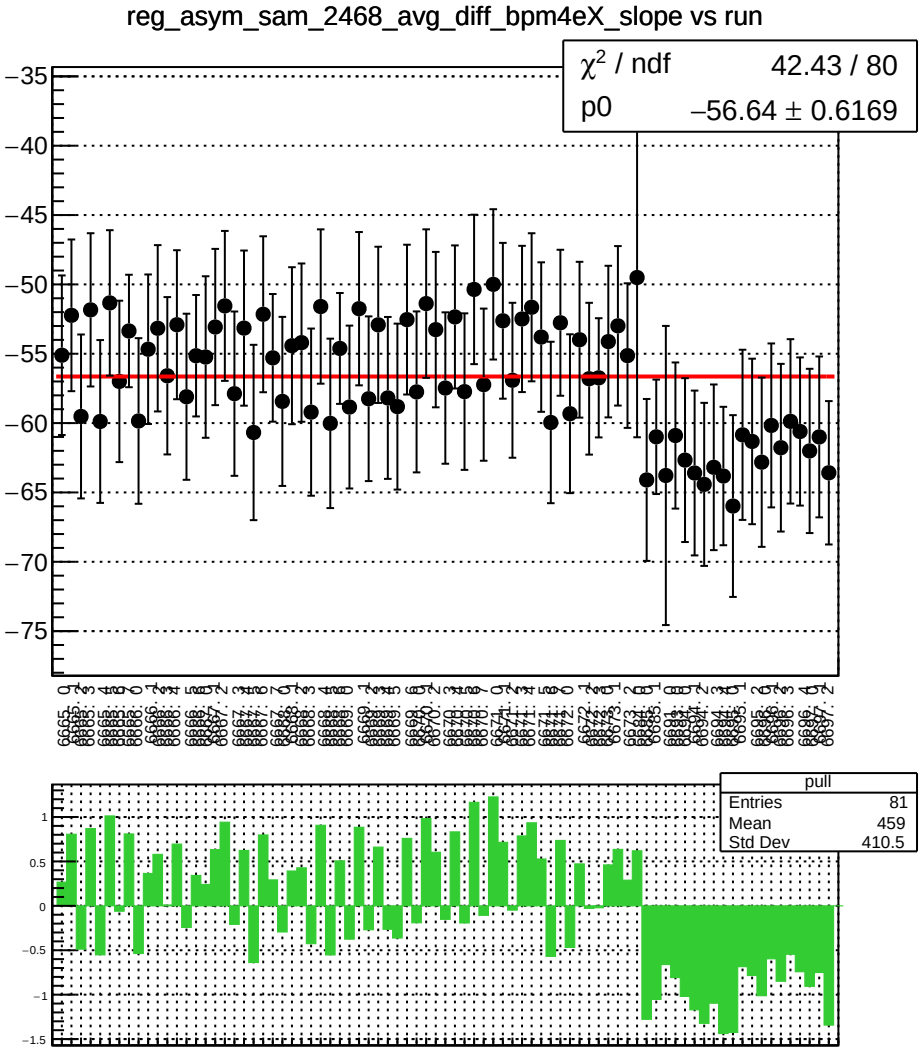

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 148.7 / 80
p0 0.3224 ± 0.01214
pull
Entries 81
Mean 554.5
Std Dev 506.2

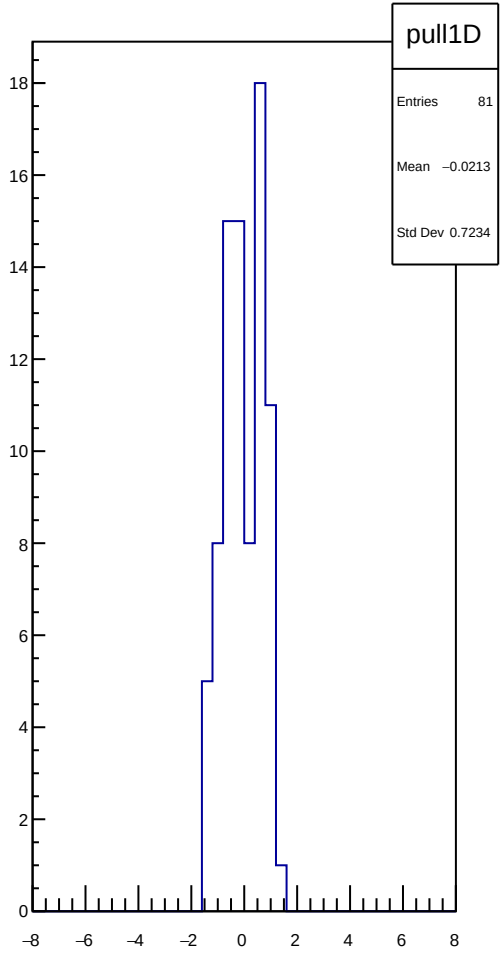

pull1D
Entries 81
Mean −0.04485
Std Dev 1.354

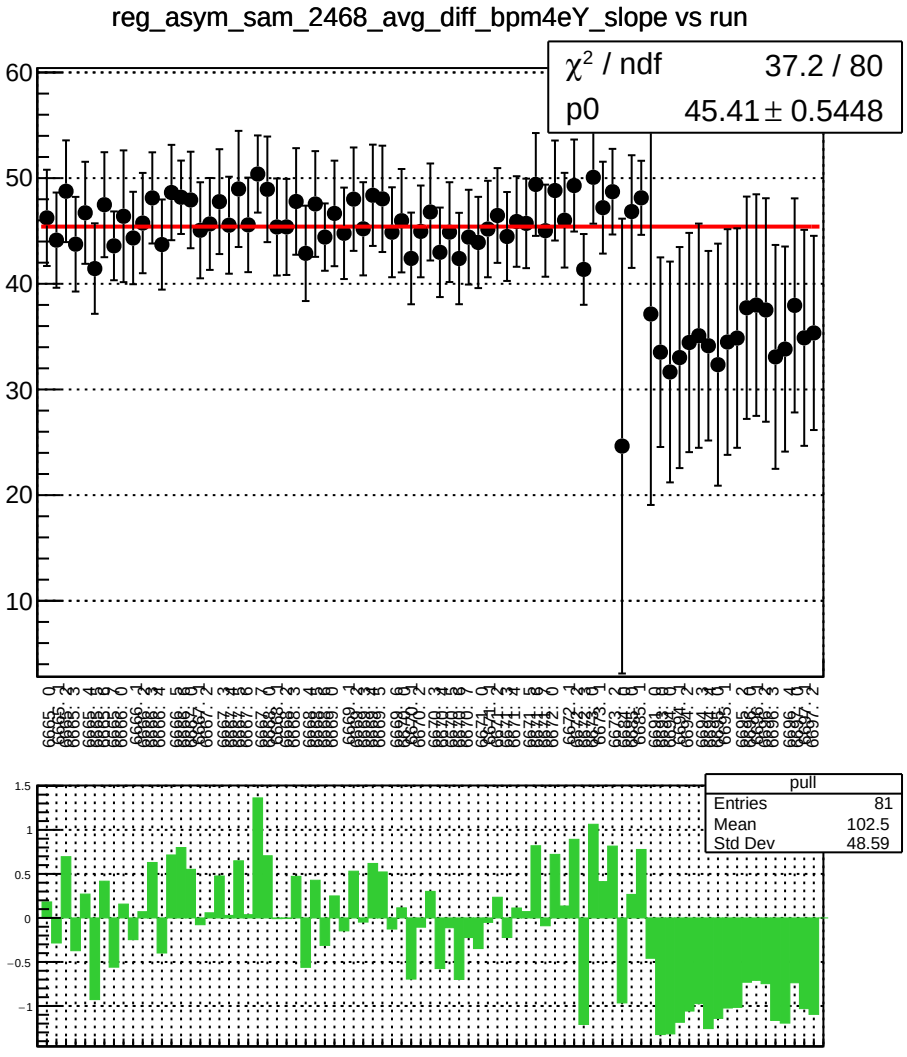

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 23.7 / 80
p0 −5.323 ± 0.5814
pull
Entries 81
Mean 234.2
Std Dev 186.2

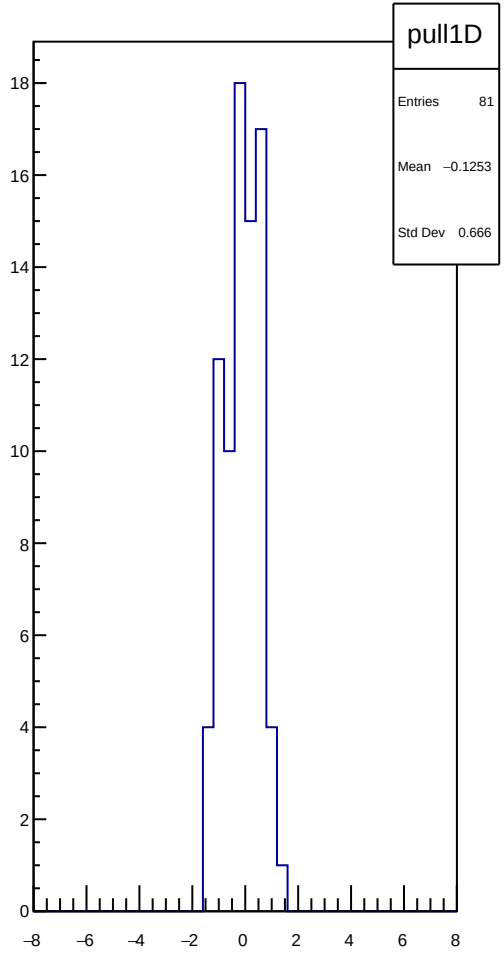

pull1D
Entries 81
Mean 0.03493
Std Dev 0.5398

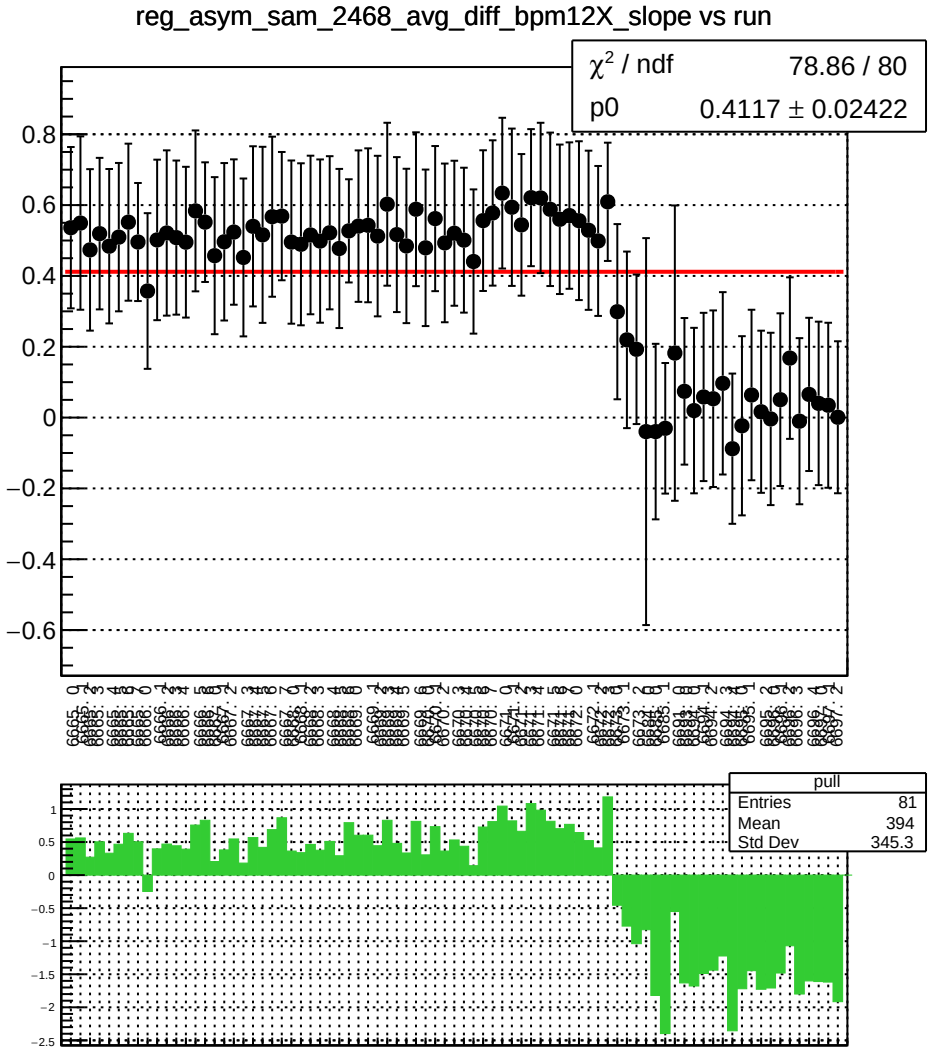

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.54 / 80
p0 −3.451 ± 0.4726
pull
Entries 81
Mean 104.7
Std Dev 53.94
pull1D
Entries 81
Mean 0.1266
Std Dev 0.5582

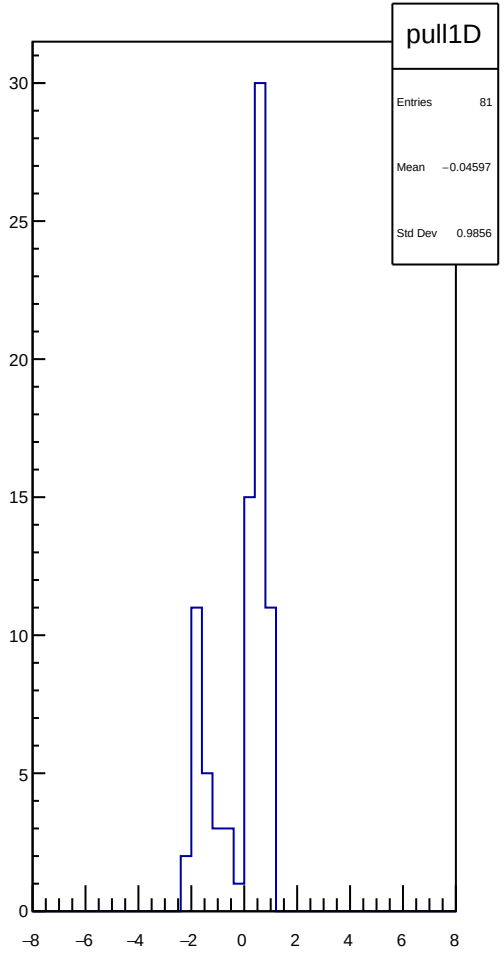

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.43 / 80
p0 −56.64 ± 0.6169
pull
Entries 81
Mean 459
Std Dev 410.5


pull1D
Entries 81
Mean −0.0213
Std Dev 0.7234

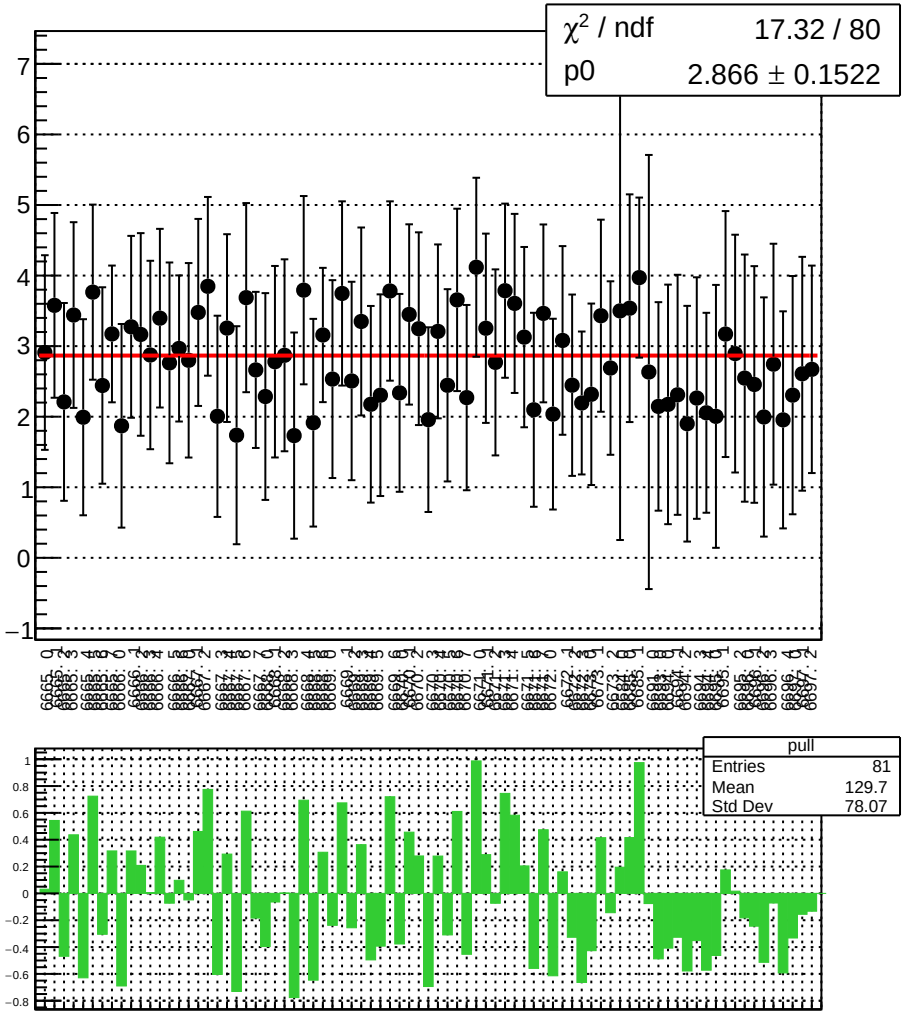

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 37.2 / 80
p0 45.41 ± 0.5448
pull
Entries 81
Mean 102.5
Std Dev 48.59

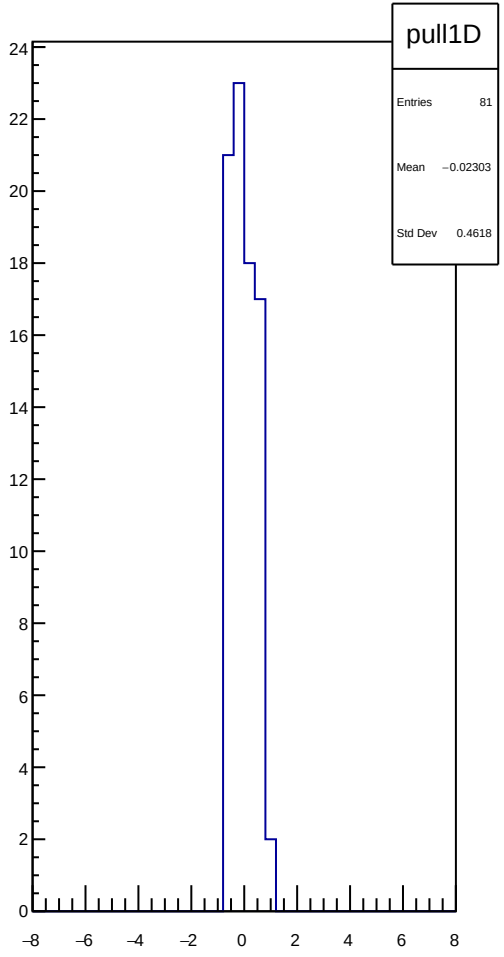

pull1D
Entries 81
Mean −0.1253
Std Dev 0.666


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 78.86 / 80
p0 0.4117 ± 0.02422
pull
Entries 81
Mean 394
Std Dev 345.3

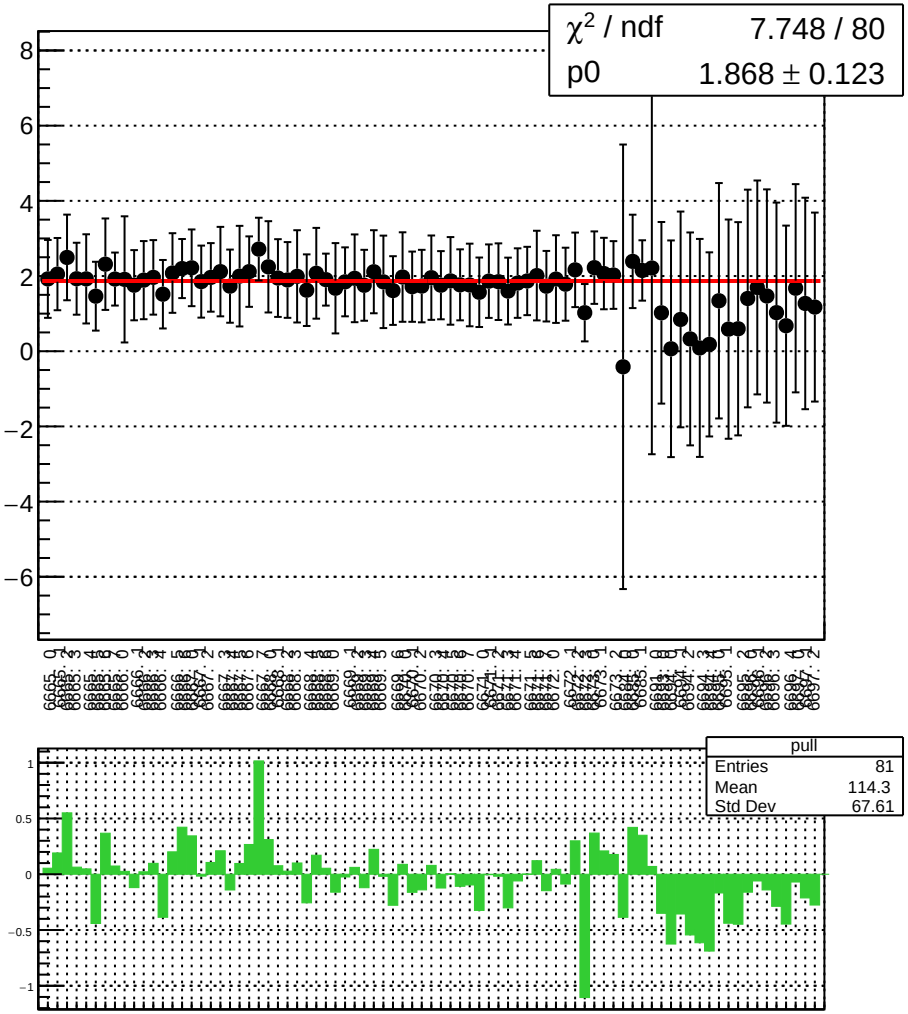

pull1D
Entries 81
Mean −0.04597
Std Dev 0.9856

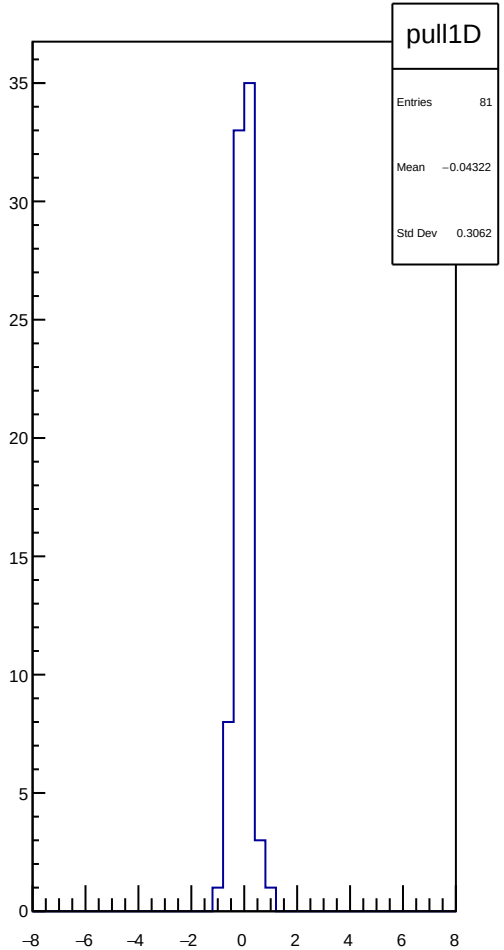
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run



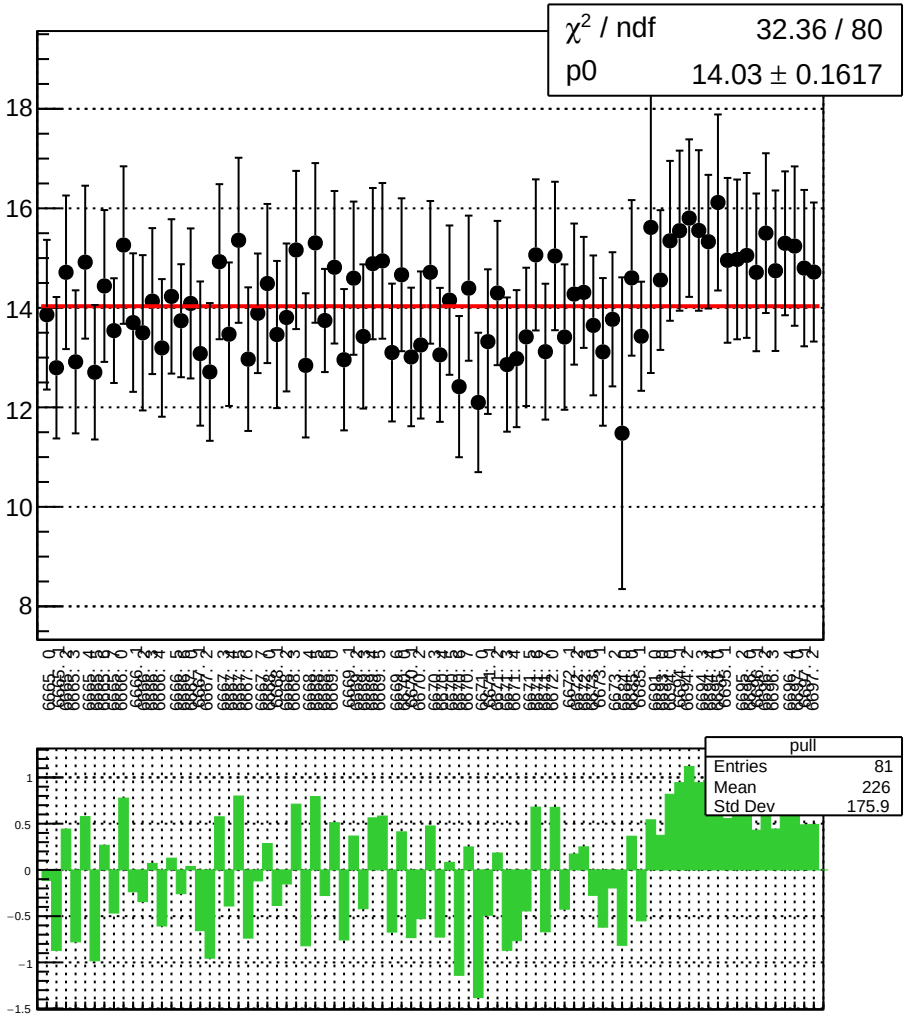


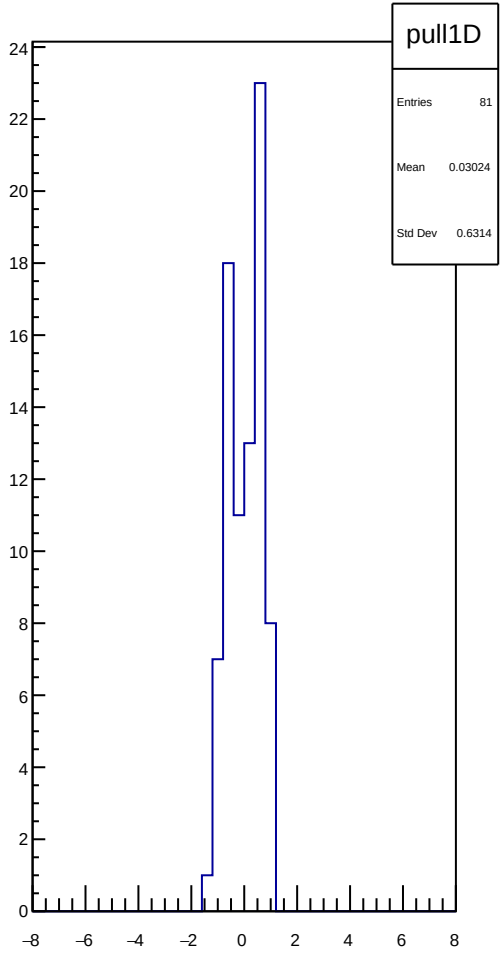
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run



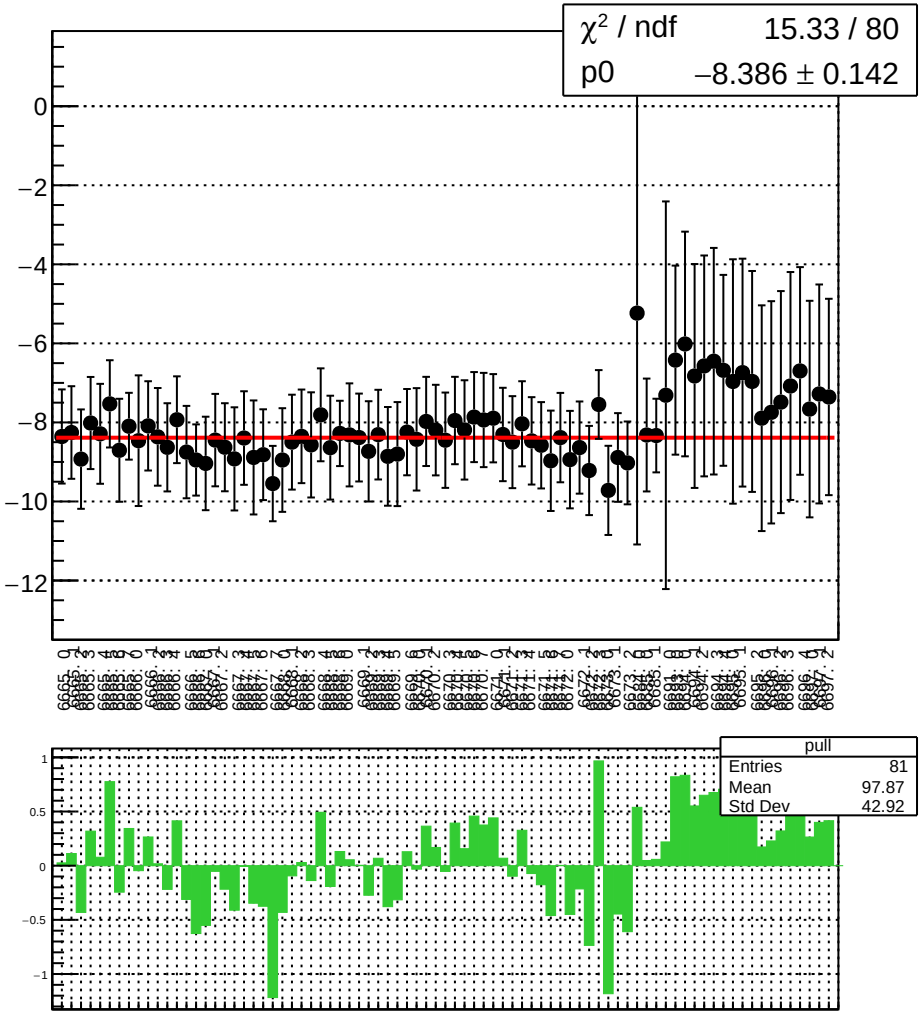


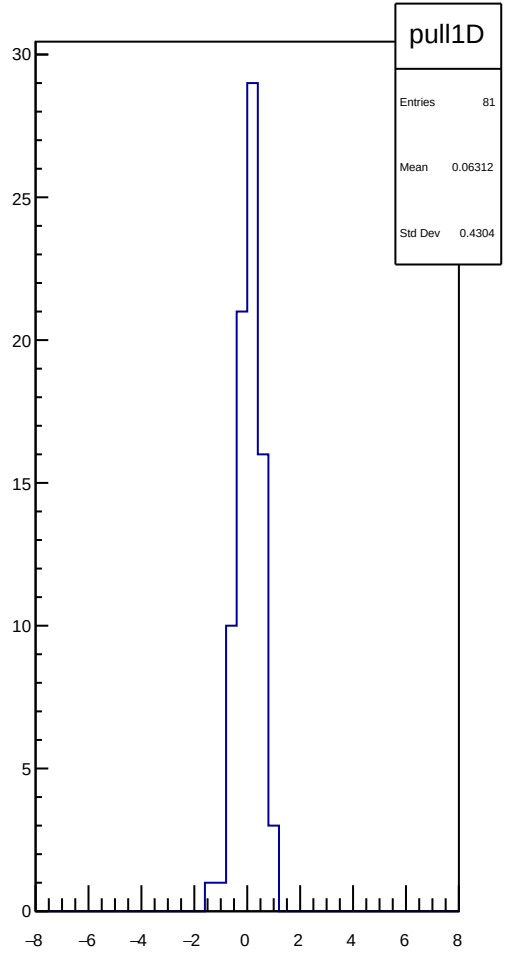
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

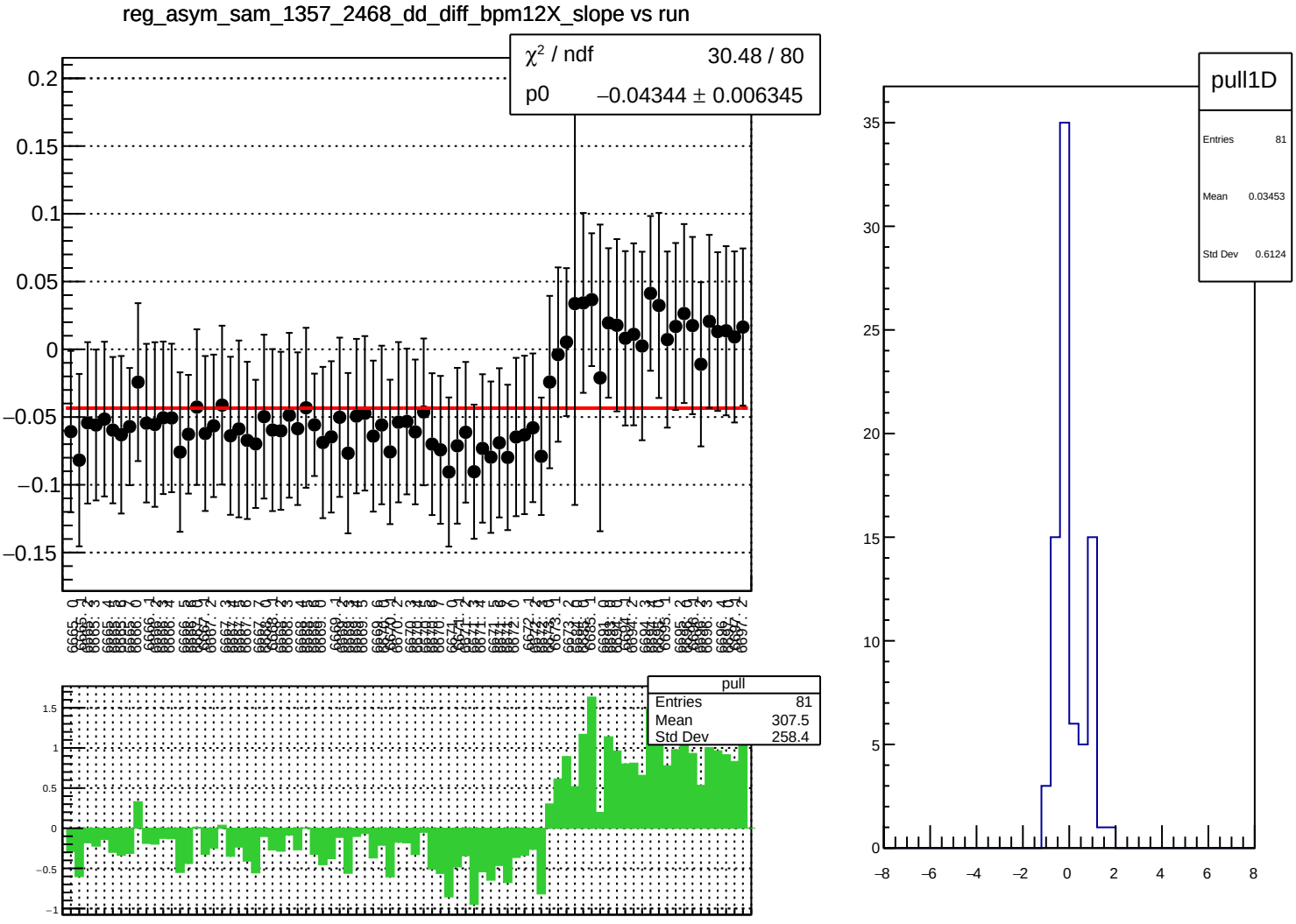




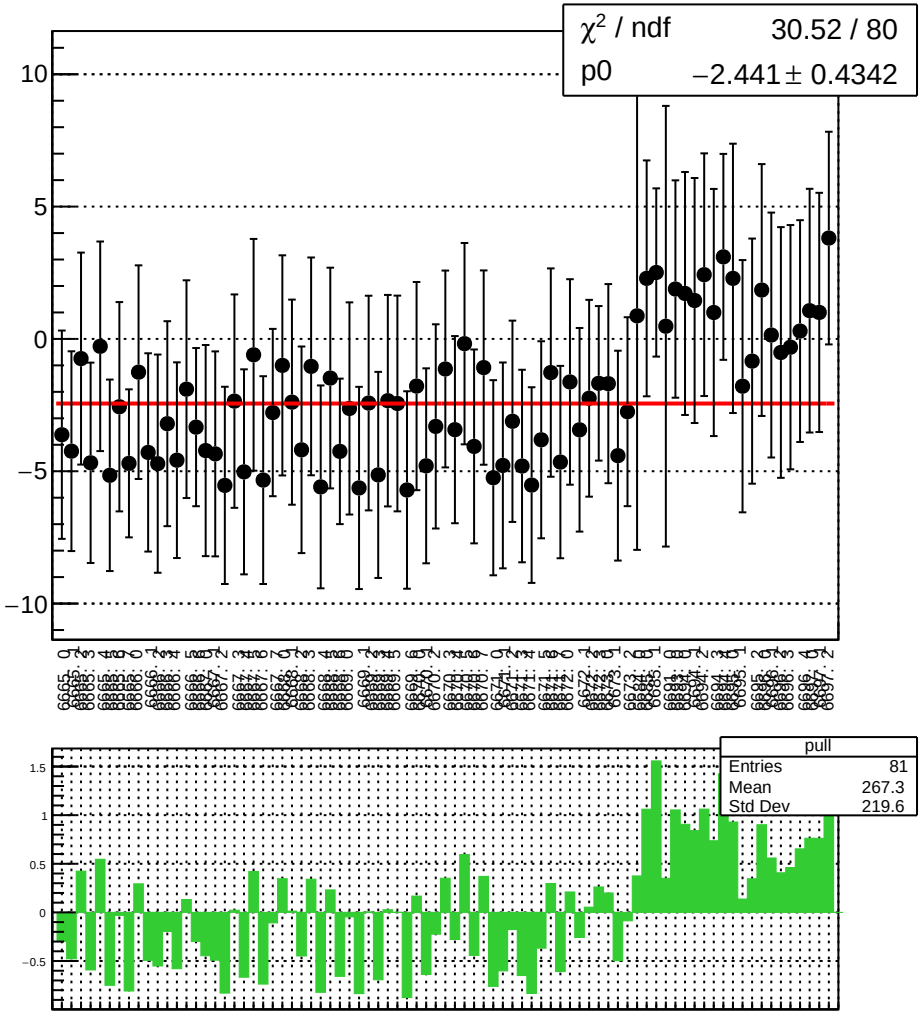
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

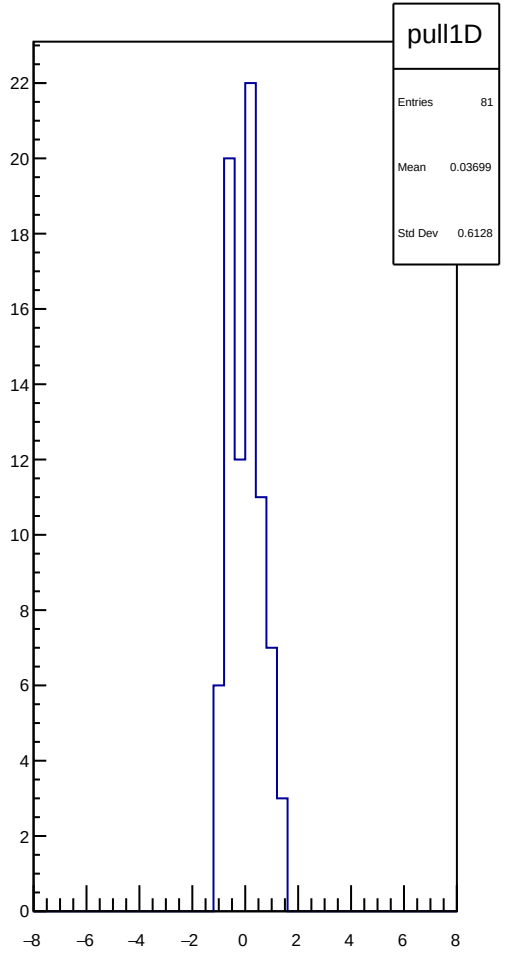


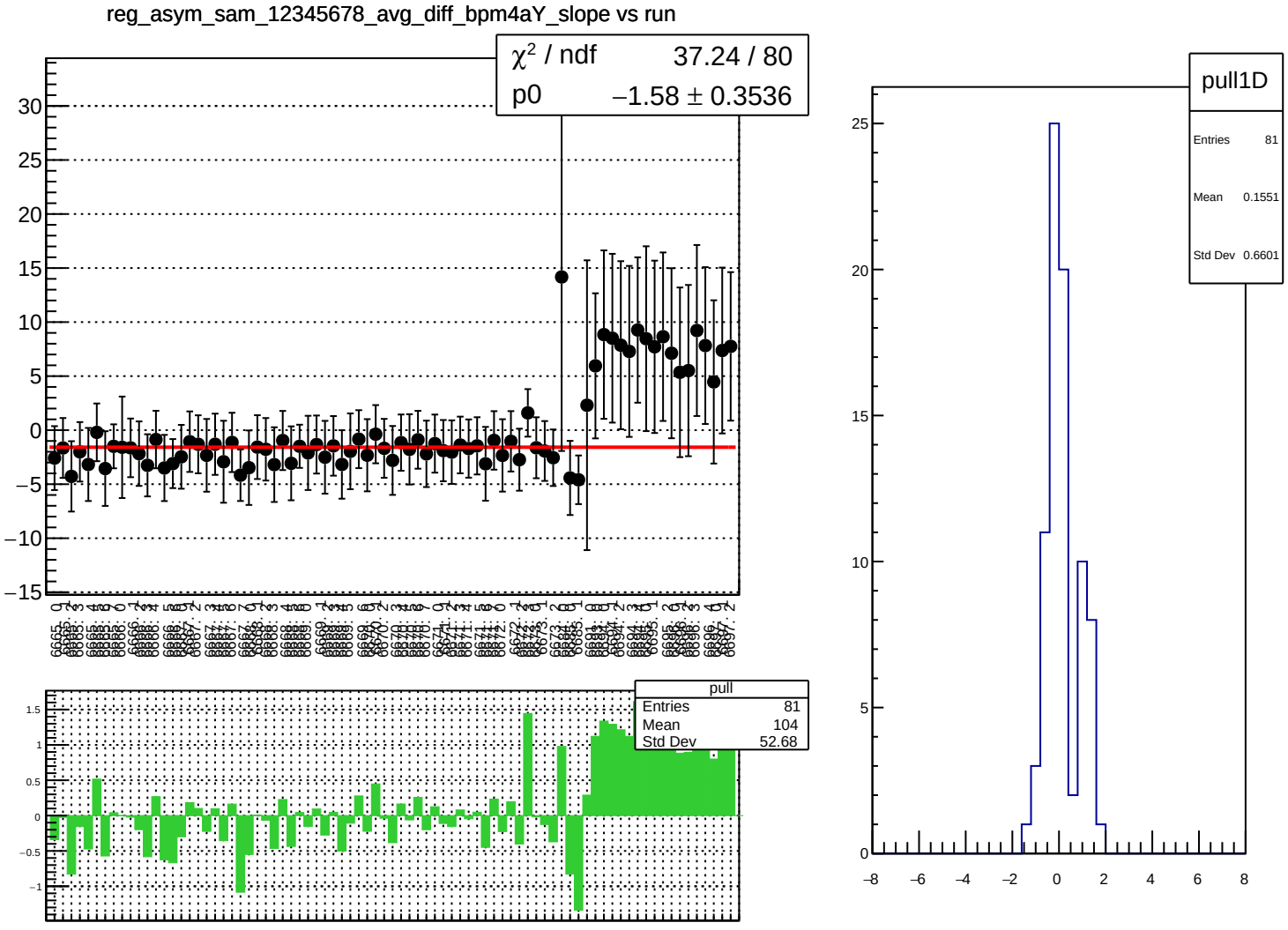



reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 30.48 / 80
p0 −0.04344 ± 0.006345
pull
Entries 81
Mean 307.5
Std Dev 258.4
pull1D
Entries 81
Mean 0.03453
Std Dev 0.6124

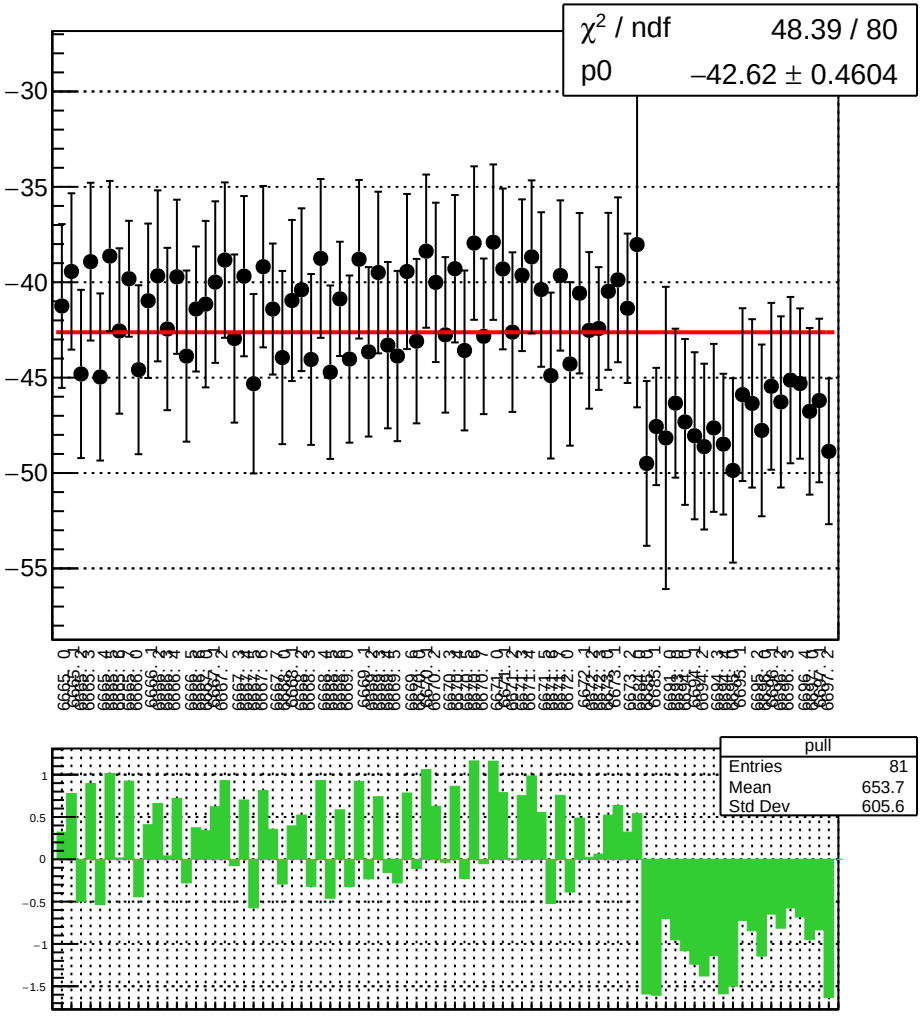
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

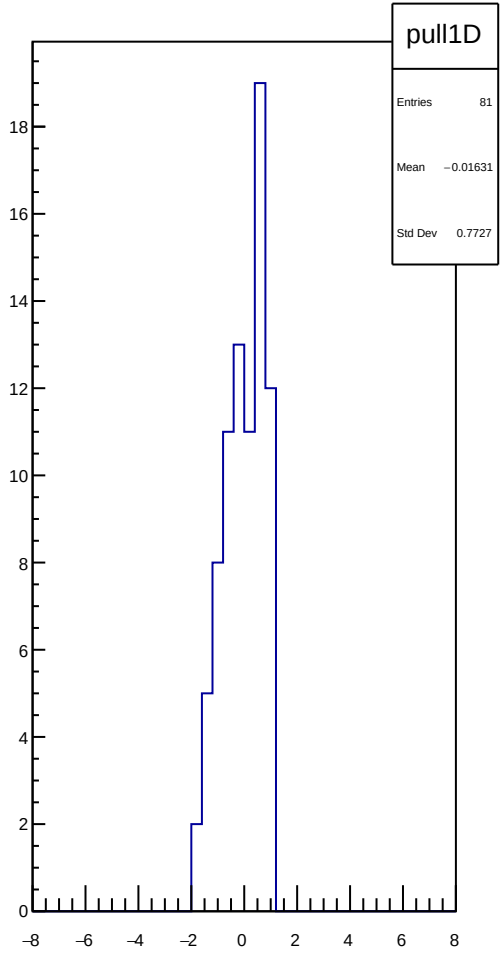


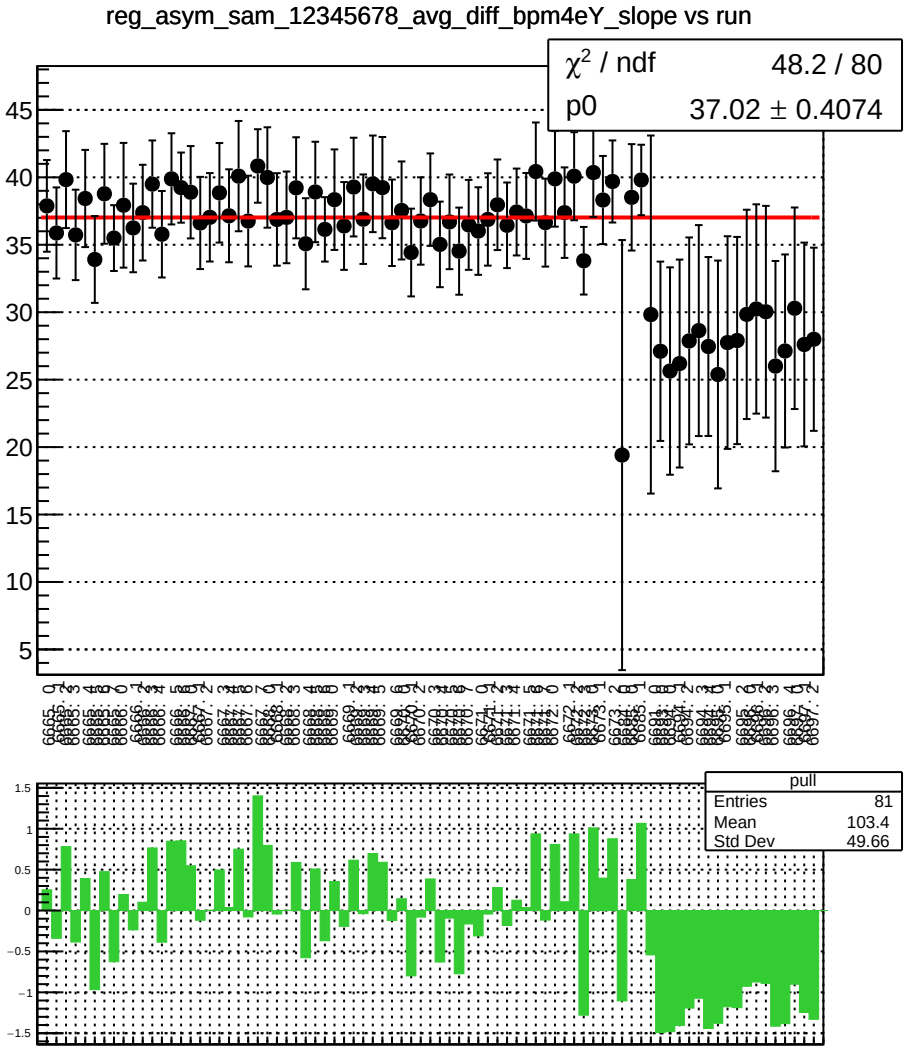


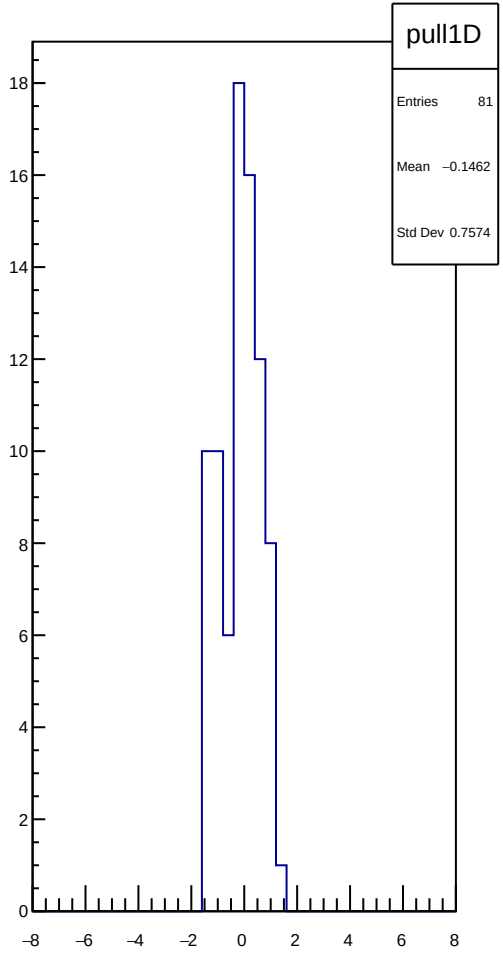

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.24 / 80
p0 −1.58 ± 0.3536
pull
Entries 81
Mean 104
Std Dev 52.68
pull1D
Entries 81
Mean 0.1551
Std Dev 0.6601

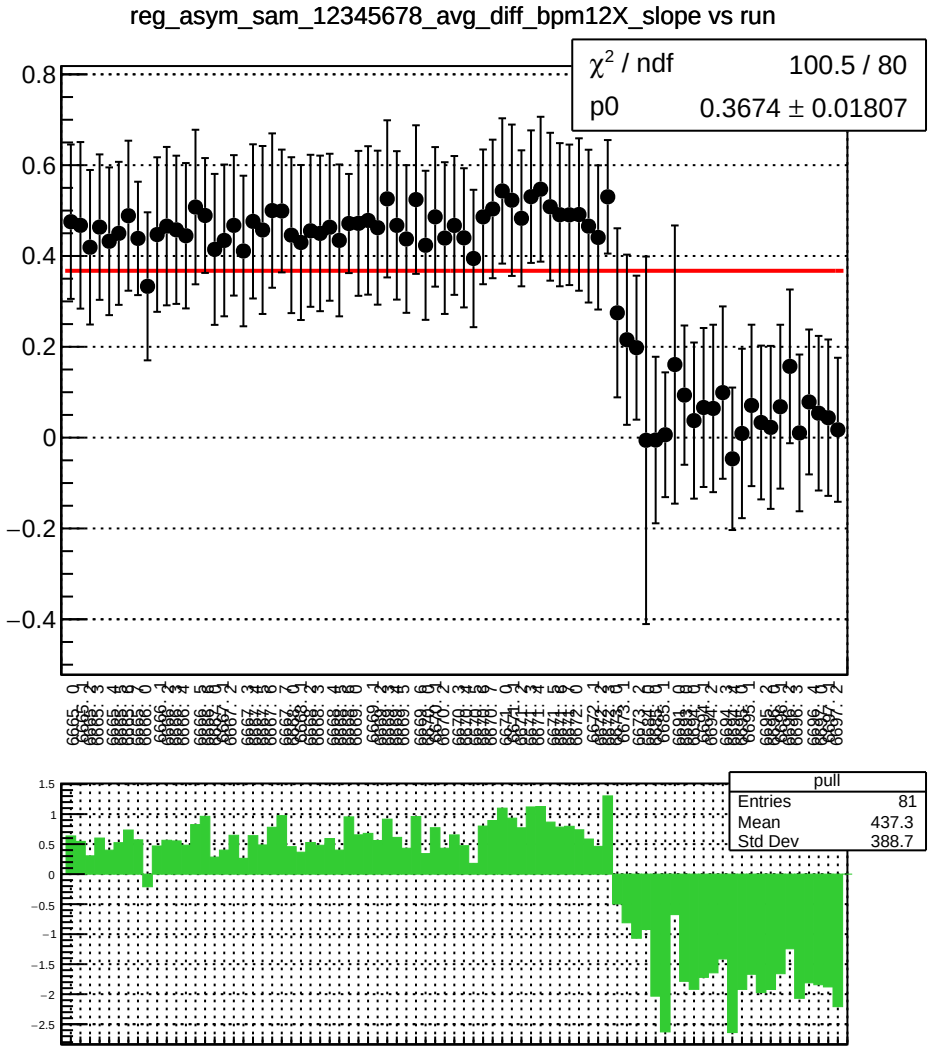
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

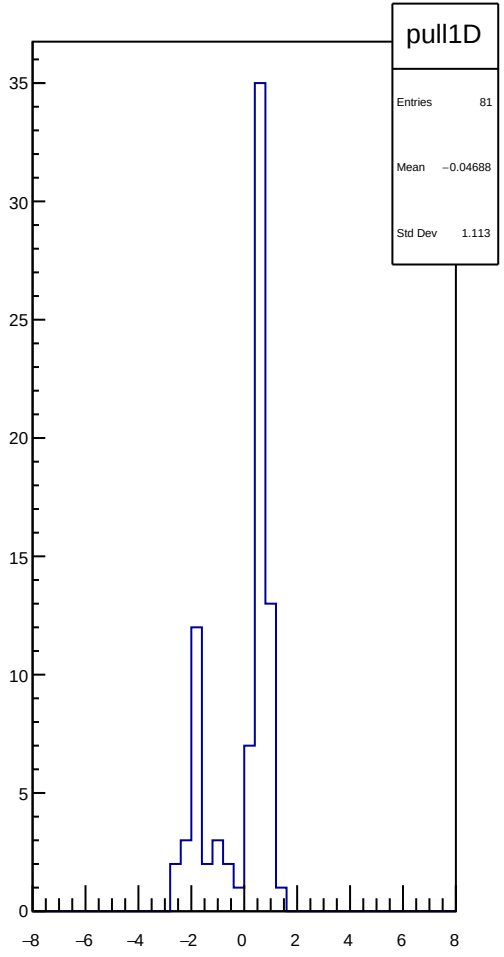


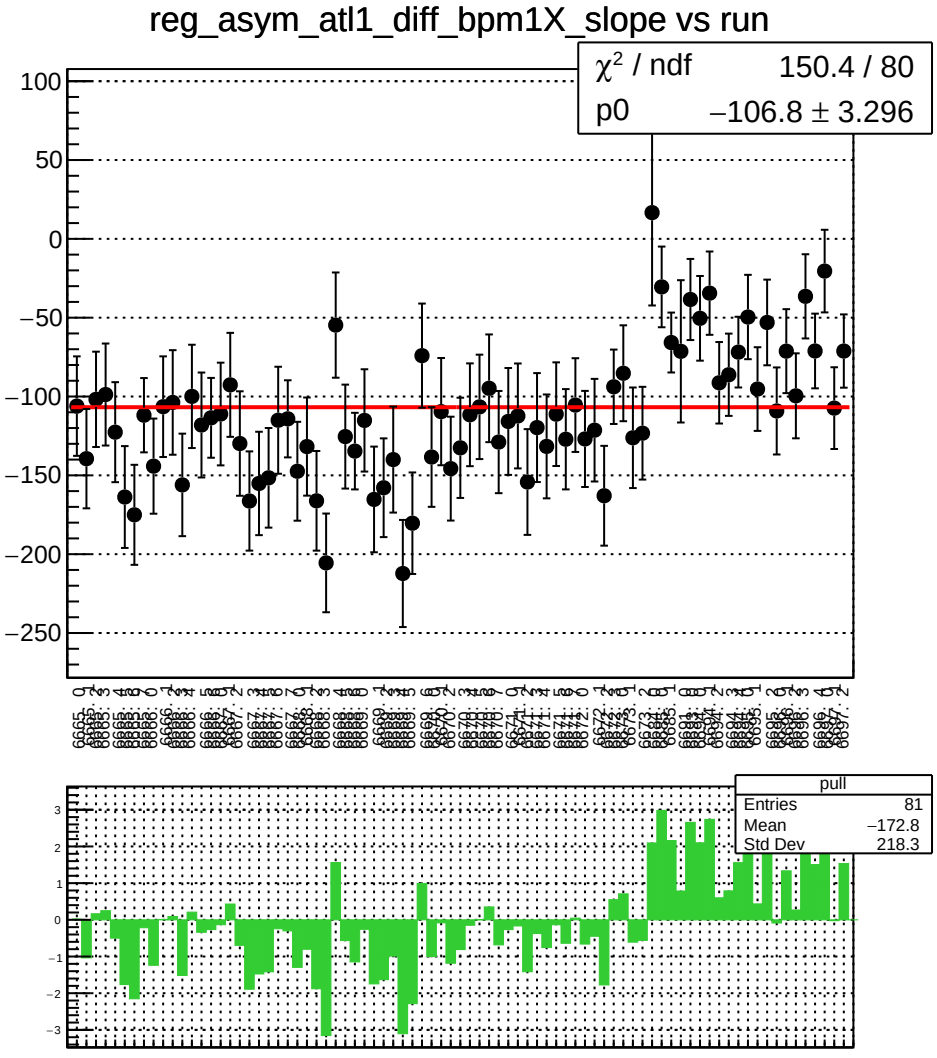


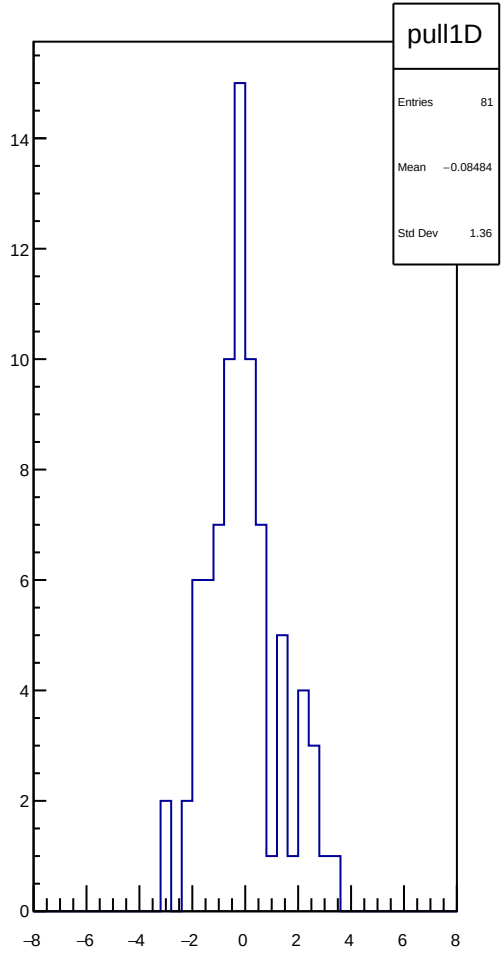

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.2 / 80
p0 37.02 ± 0.4074
pull
Entries 81
Mean 103.4
Std Dev 49.66

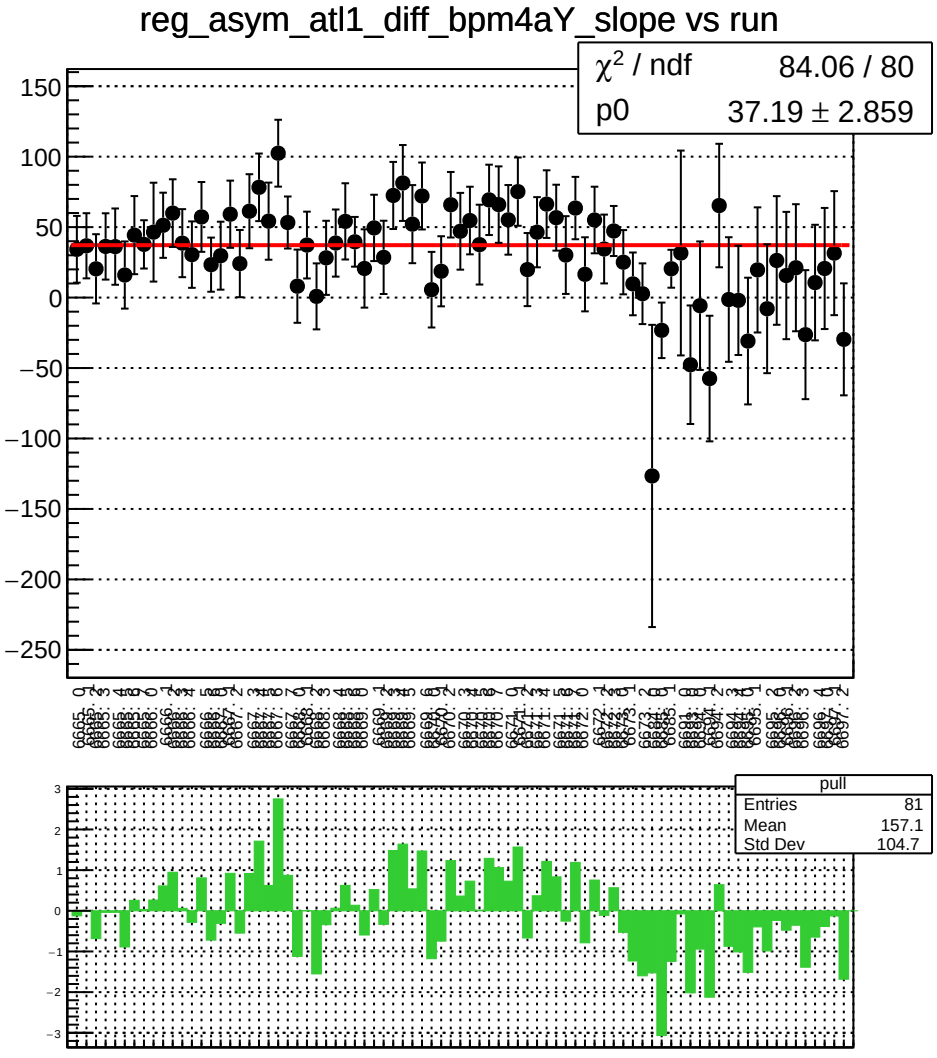

pull1D
Entries 81
Mean −0.1462
Std Dev 0.7574

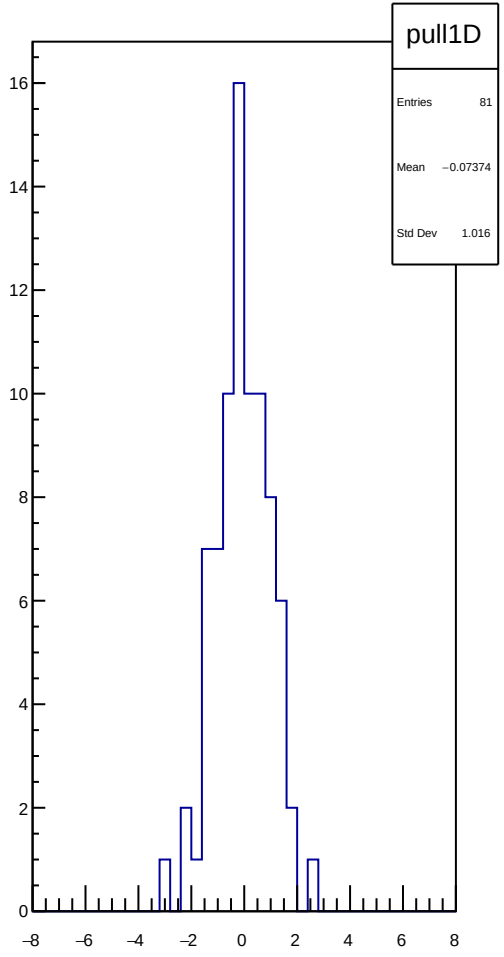

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 100.5 / 80
p0 0.3674 ± 0.01807
pull
Entries 81
Mean 437.3
Std Dev 388.7

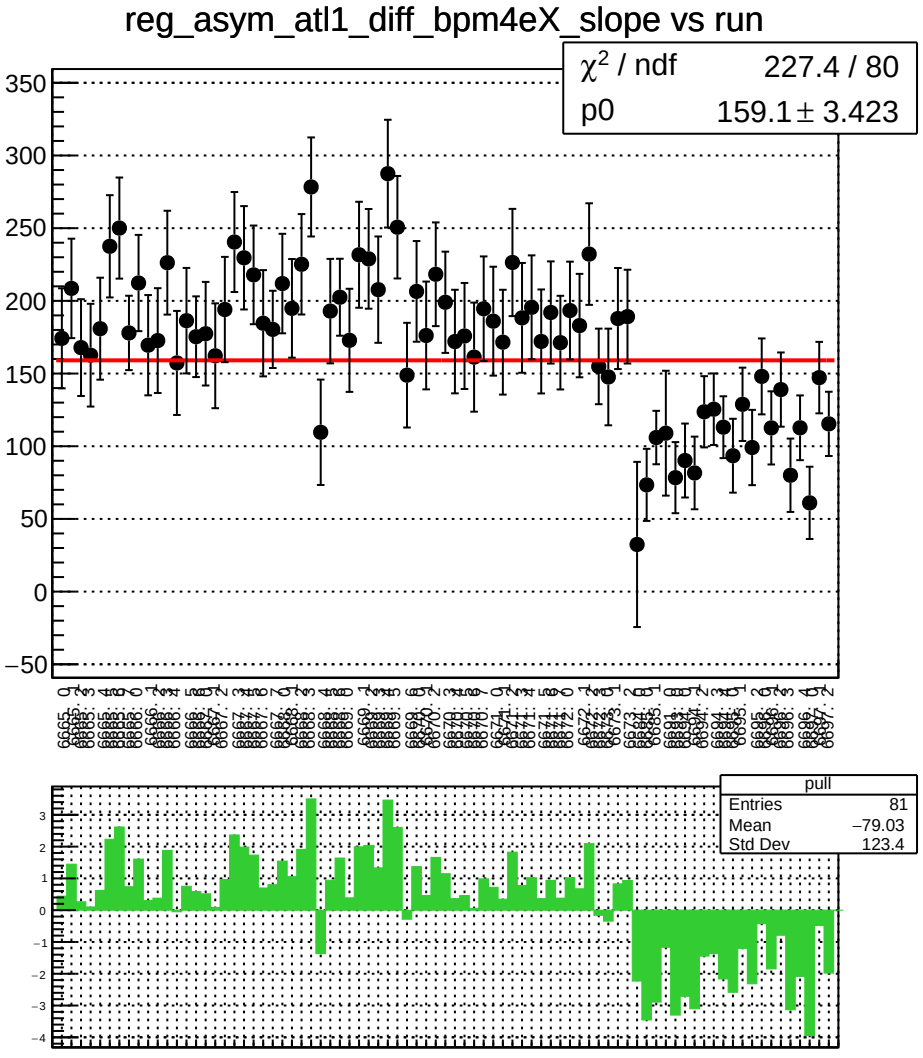

pull1D
Entries 81
Mean −0.04688
Std Dev 1.113

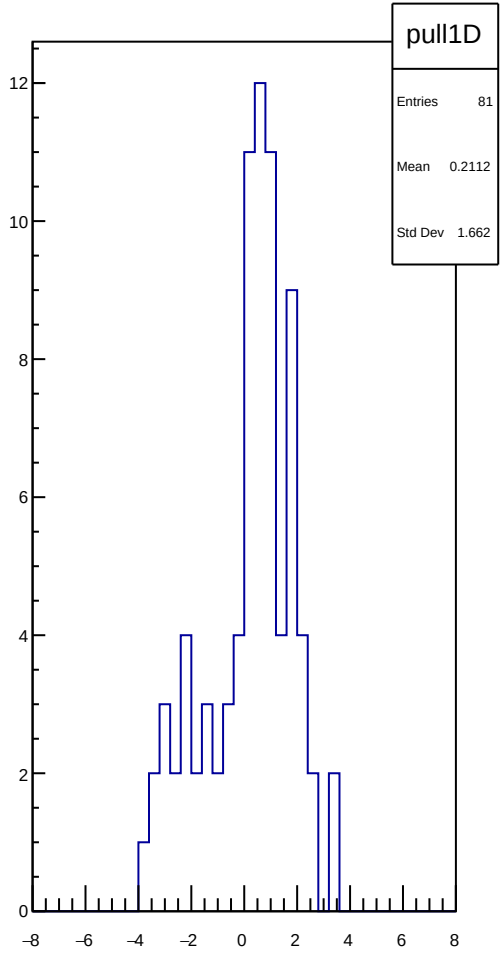

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 150.4 / 80
p0 −106.8 ± 3.296
pull
Entries 81
Mean −172.8
Std Dev 218.3

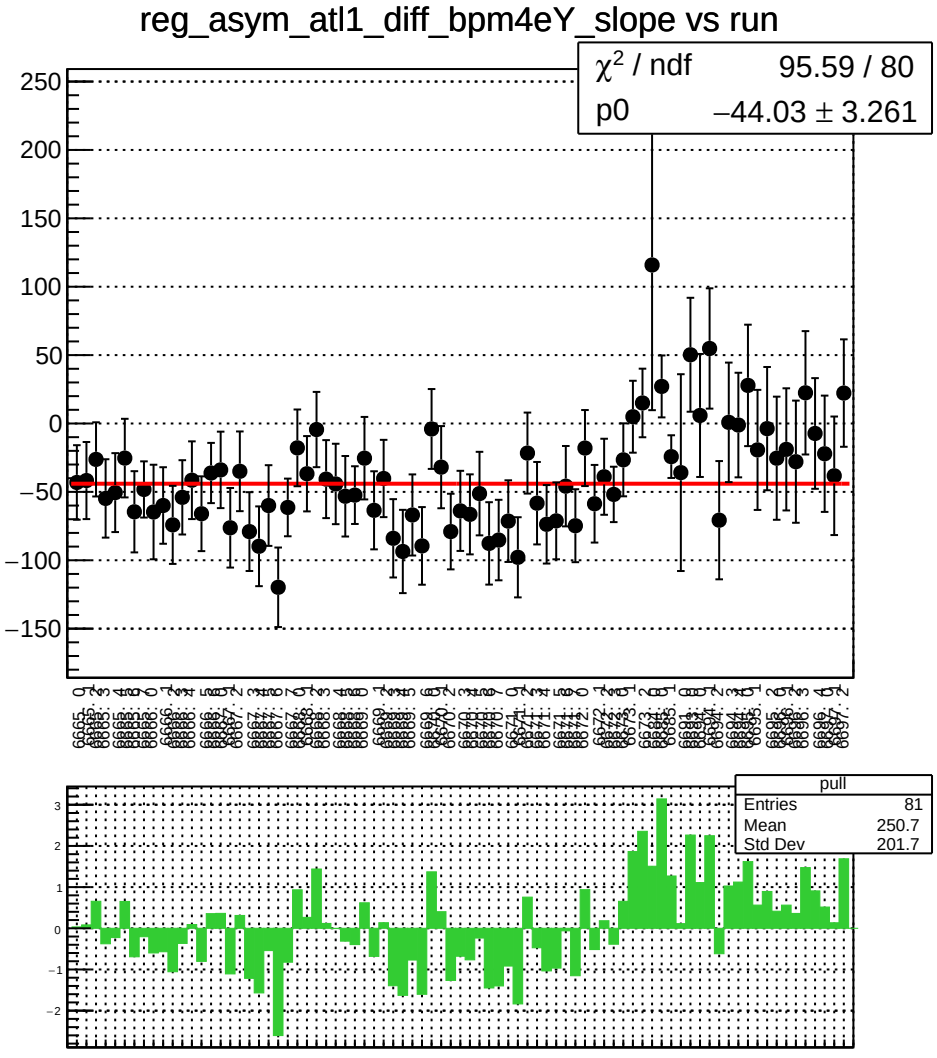

pull1D
Entries 81
Mean −0.08484
Std Dev 1.36

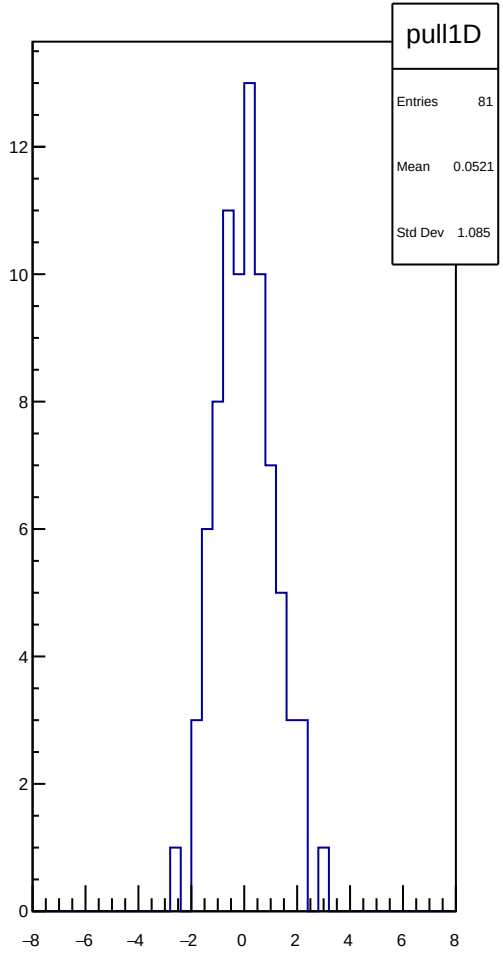

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 84.06 / 80
p0 37.19 ± 2.859
pull
Entries 81
Mean 157.1
Std Dev 104.7

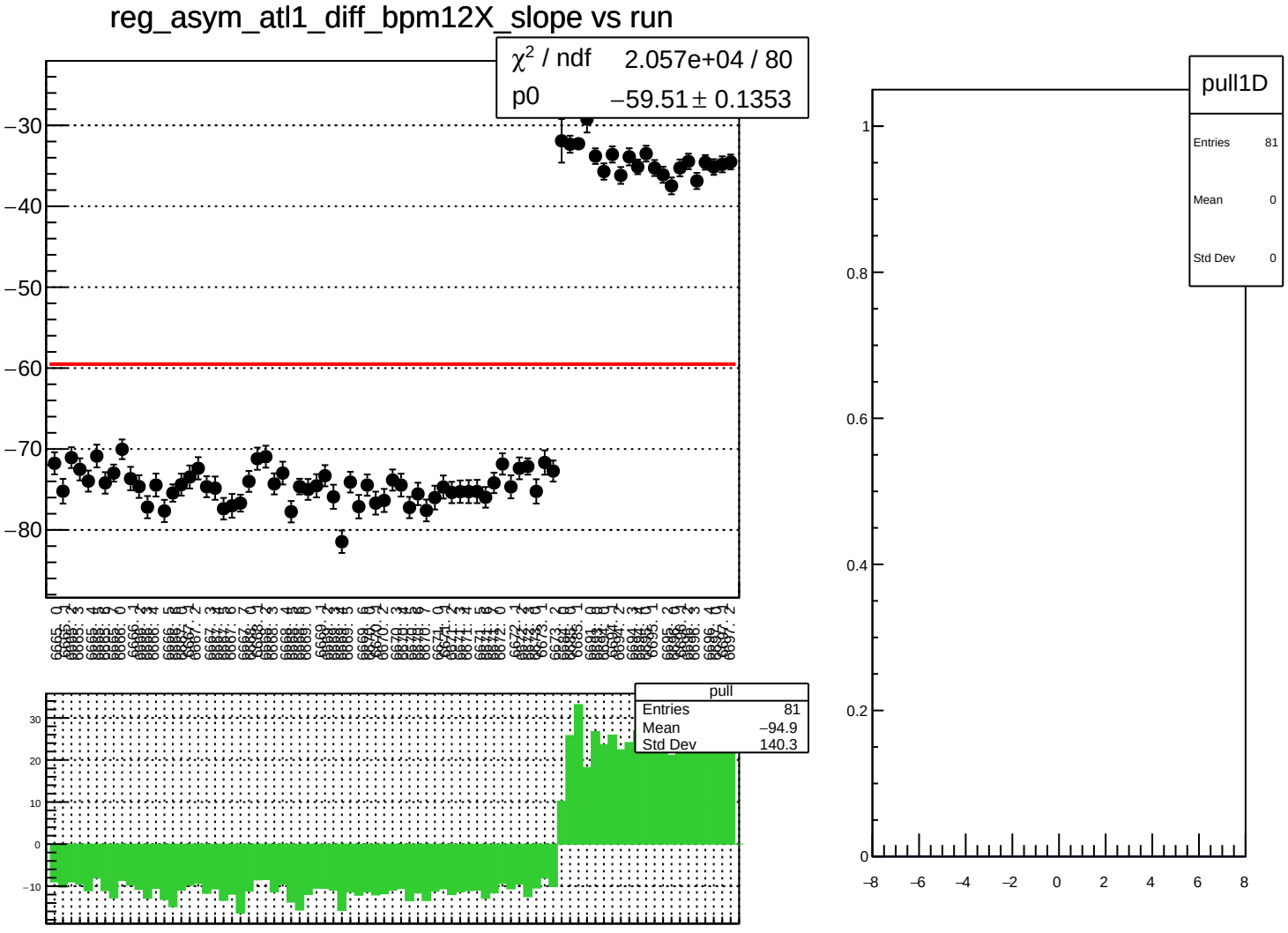

pull1D
Entries 81
Mean −0.07374
Std Dev 1.016

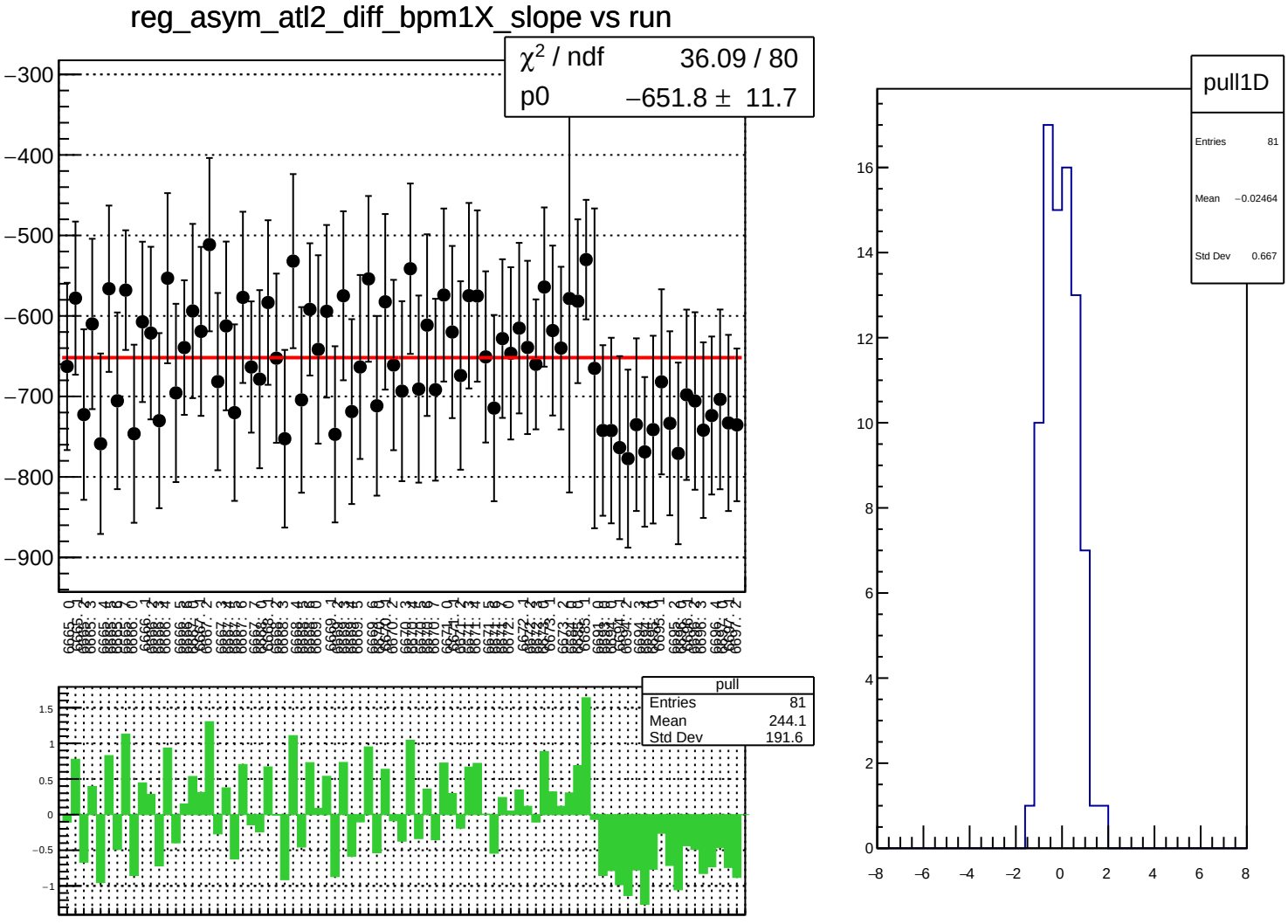

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 227.4 / 80
p0 159.1 ± 3.423
pull
Entries 81
Mean −79.03
Std Dev 123.4

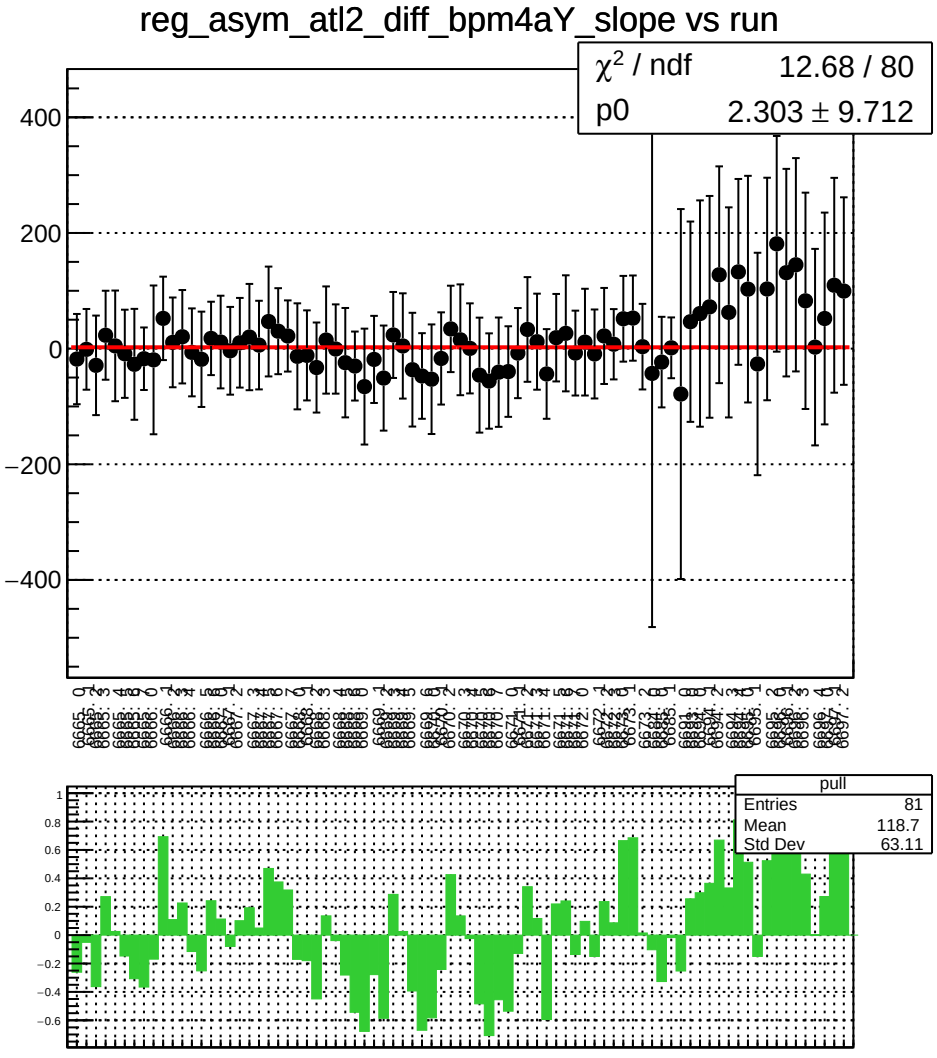

pull1D
Entries 81
Mean 0.2112
Std Dev 1.662

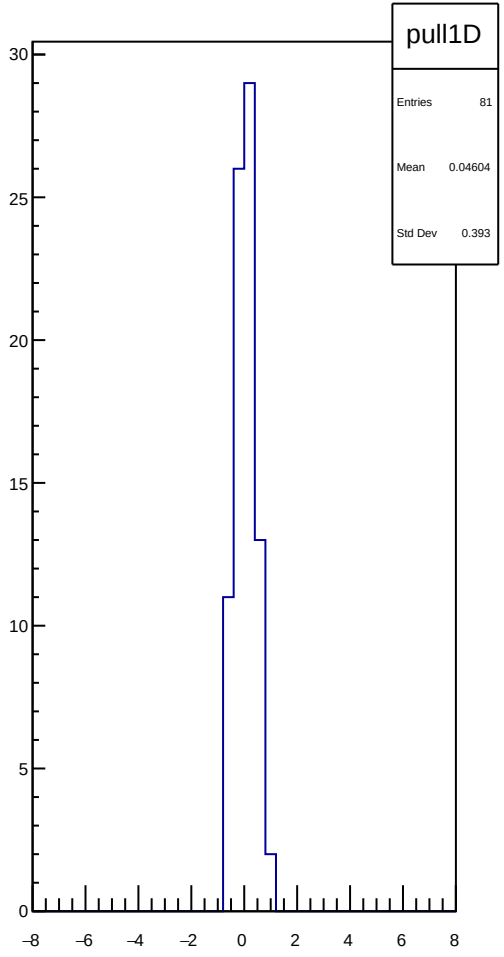

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 95.59 / 80
p0 −44.03 ± 3.261
pull
Entries 81
Mean 250.7
Std Dev 201.7

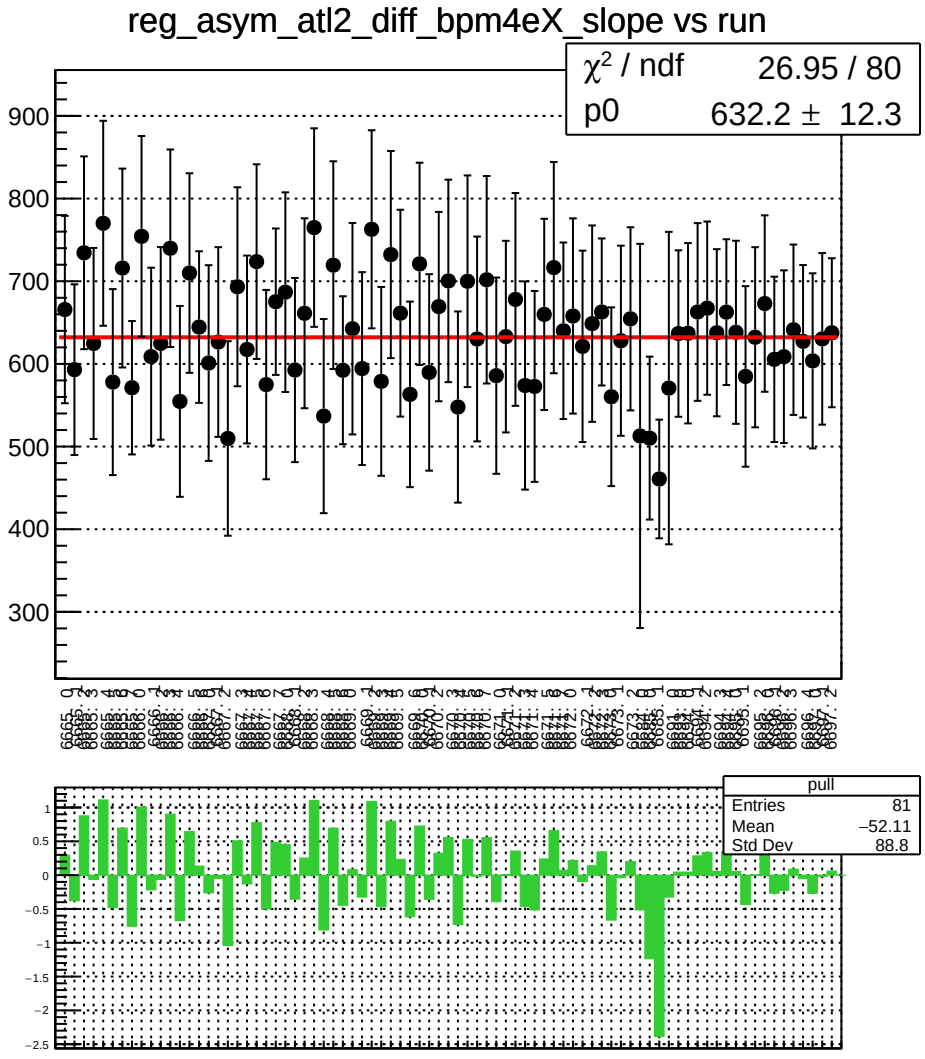

pull1D
Entries 81
Mean 0.0521
Std Dev 1.085

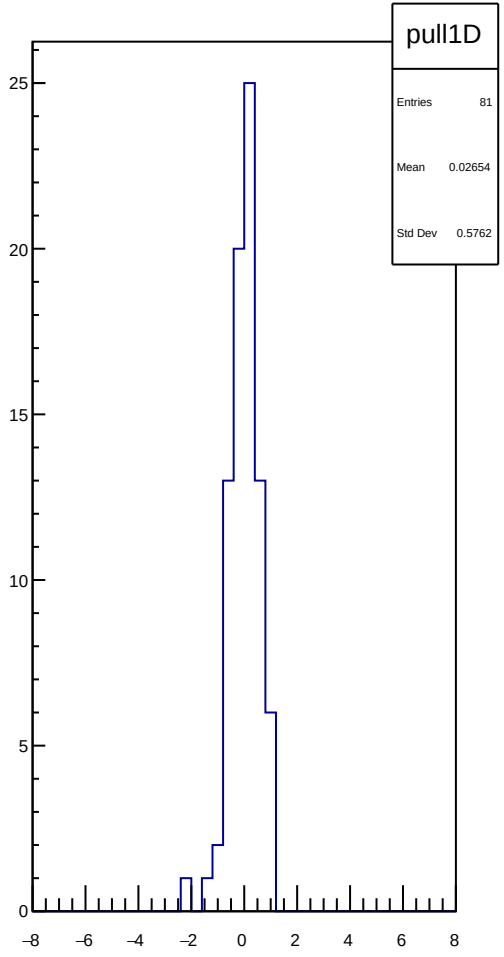

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 2.057e+04 / 80
p0 −59.51 ± 0.1353
pull
Entries 81
Mean −94.9
Std Dev 140.3
pull1D
Entries 81
Mean 0
Std Dev 0

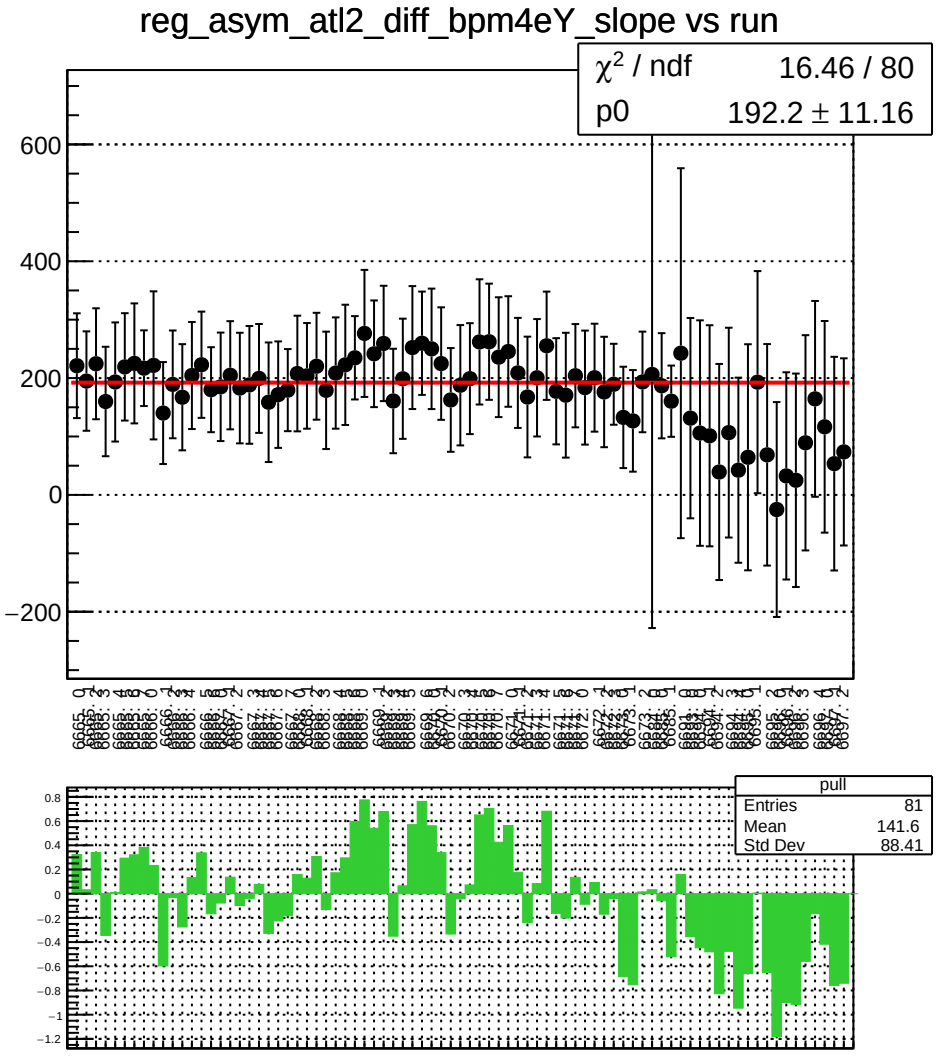

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 36.09 / 80
p0 −651.8 ± 11.7
pull
Entries 81
Mean 244.1
Std Dev 191.6
pull1D
Entries 81
Mean −0.02464
Std Dev 0.667

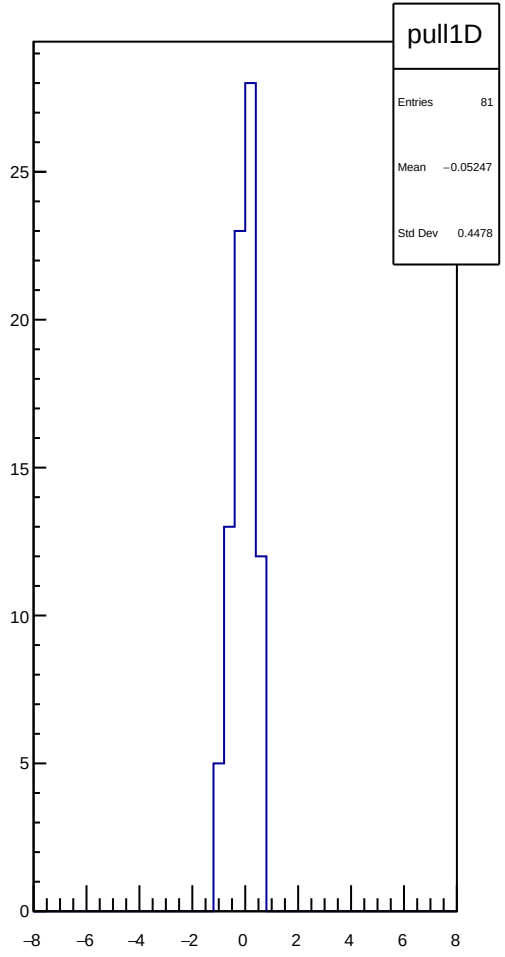

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.68 / 80
p0 2.303 ± 9.712
400
200
0
−200
−400
pull
Entries 81
Mean 118.7
Std Dev 63.11
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

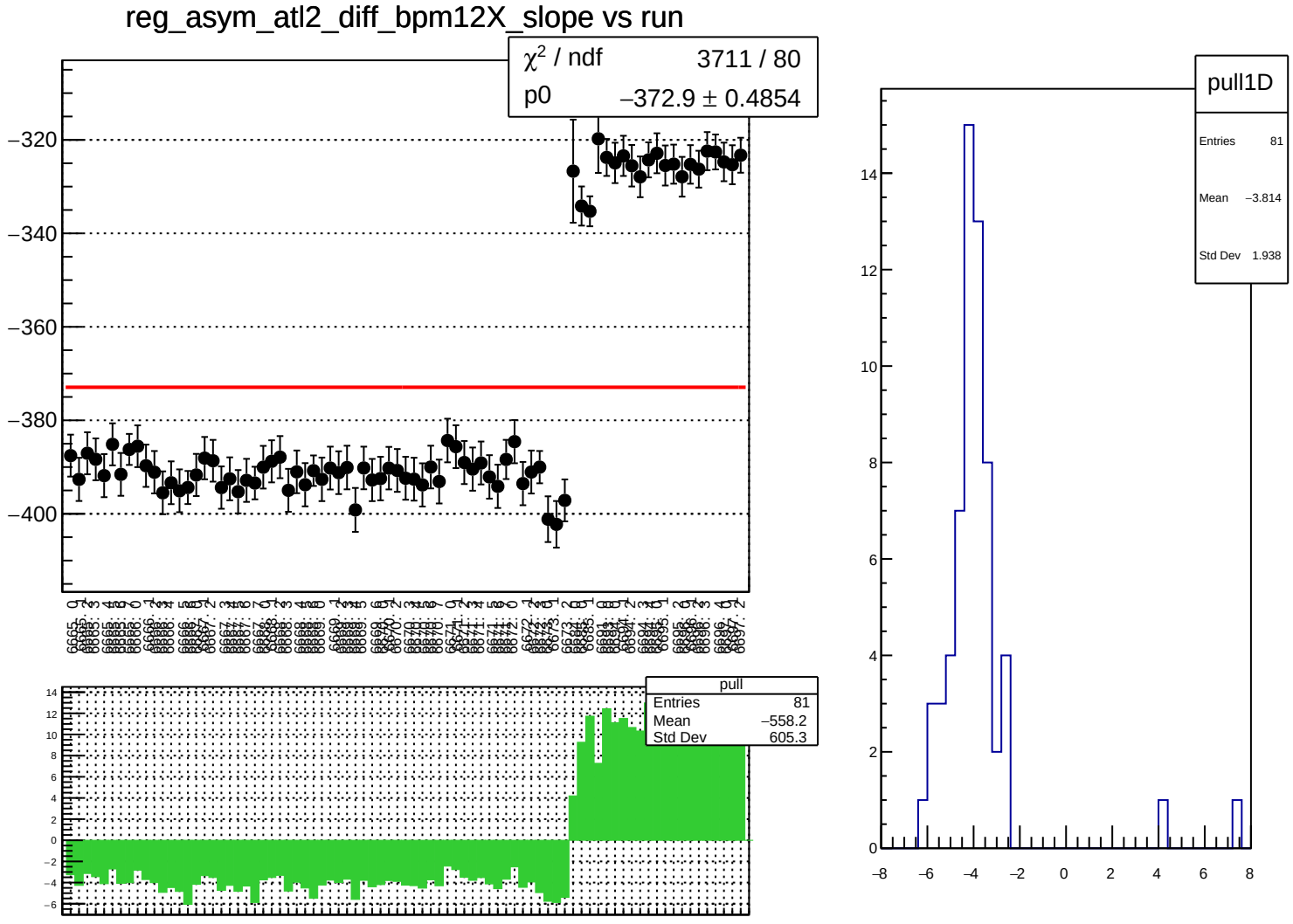

pull1D
Entries 81
Mean 0.04604
Std Dev 0.393
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

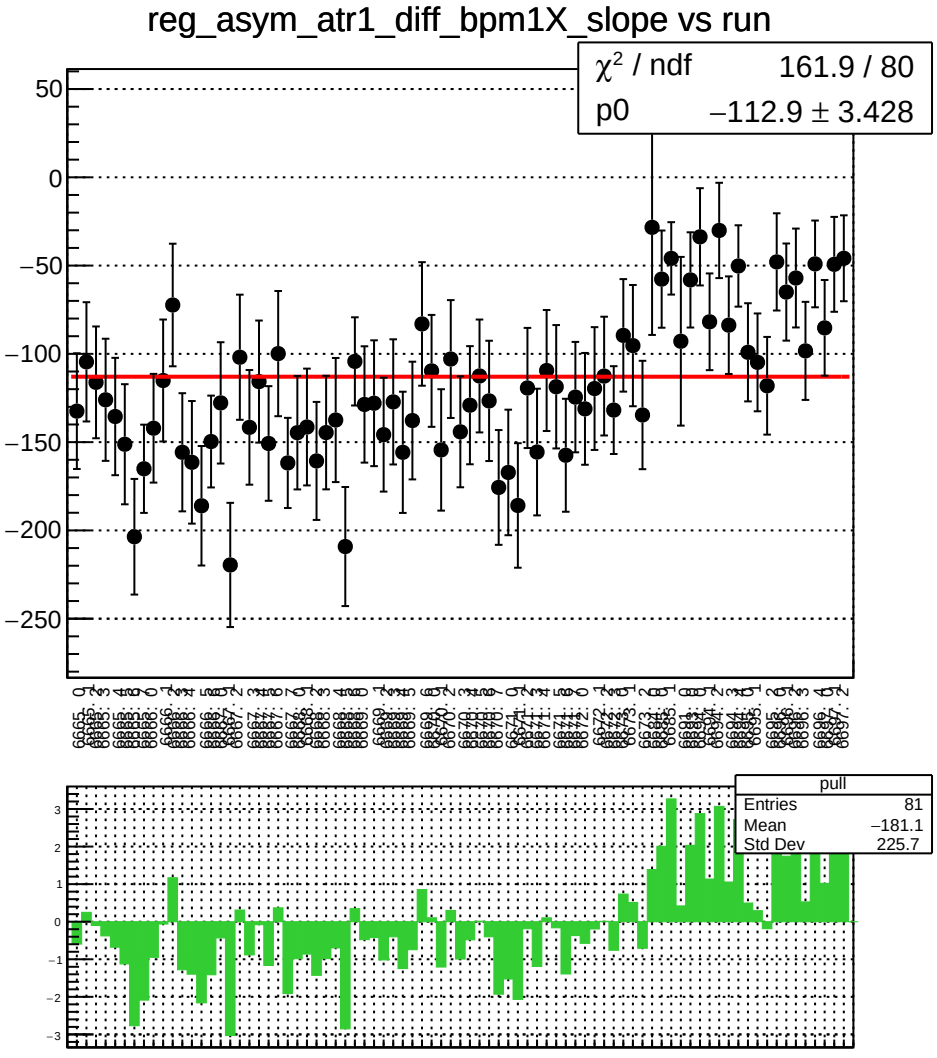

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 26.95 / 80
p0 632.2 ± 12.3
pull
Entries 81
Mean −52.11
Std Dev 88.8

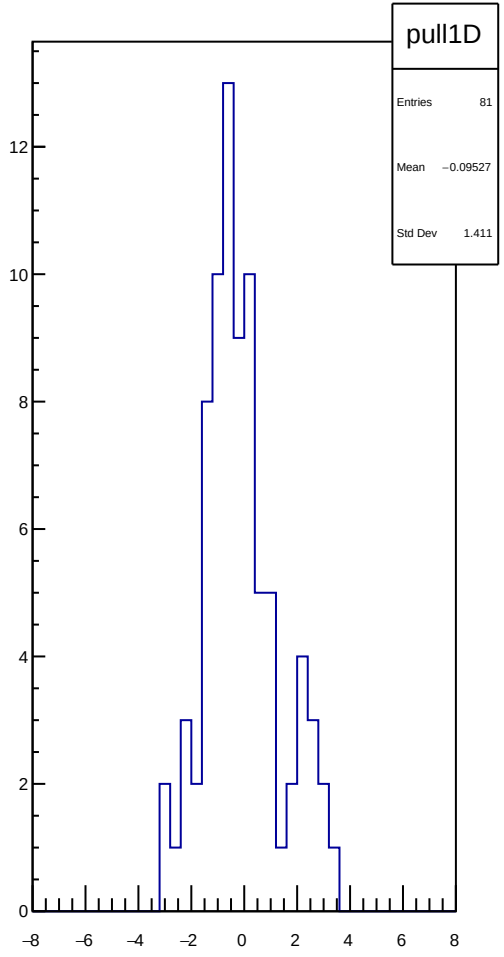

pull1D
Entries 81
Mean 0.02654
Std Dev 0.5762

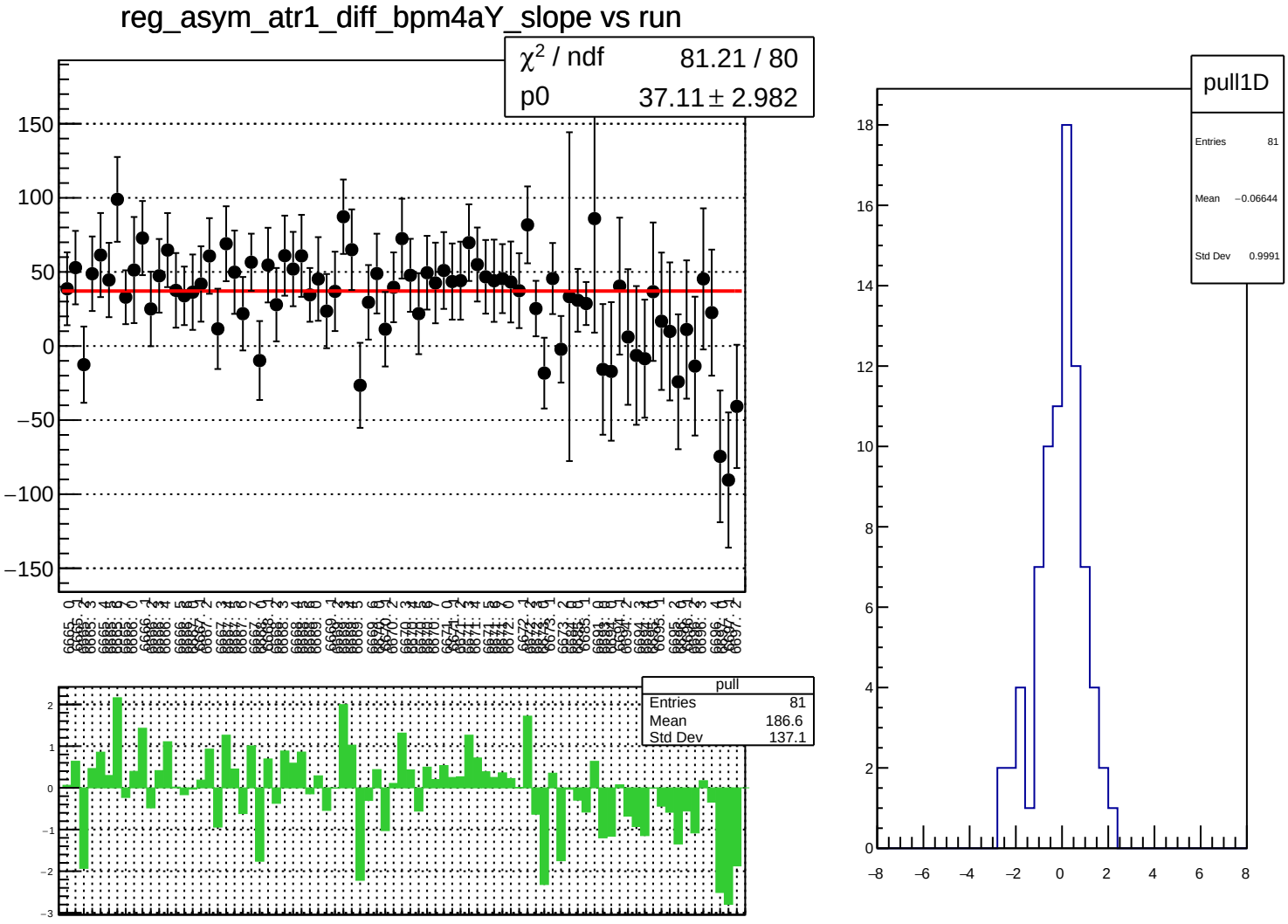

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 16.46 / 80
p0 192.2 ± 11.16
pull
Entries 81
Mean 141.6
Std Dev 88.41

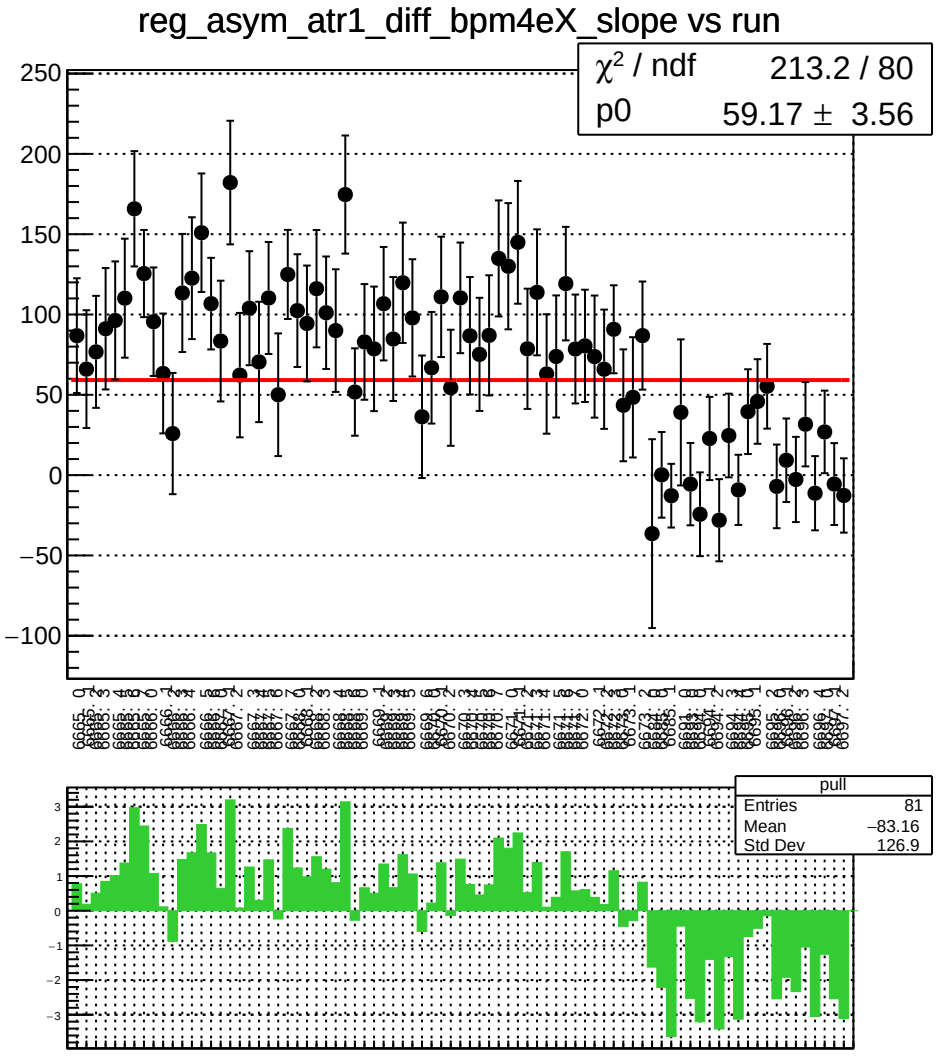

pull1D
Entries 81
Mean −0.05247
Std Dev 0.4478

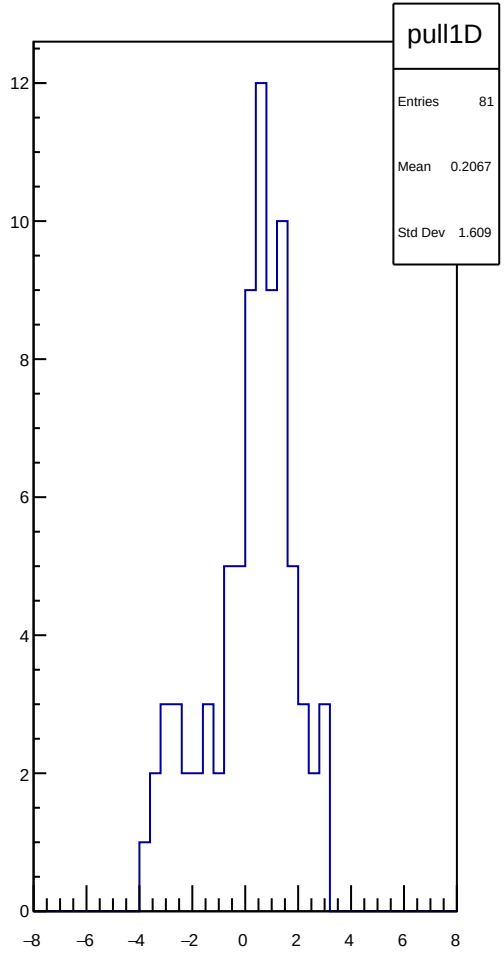

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 3711 / 80
p0 −372.9 ± 0.4854
pull
Entries 81
Mean −558.2
Std Dev 605.3
pull1D
Entries 81
Mean −3.814
Std Dev 1.938

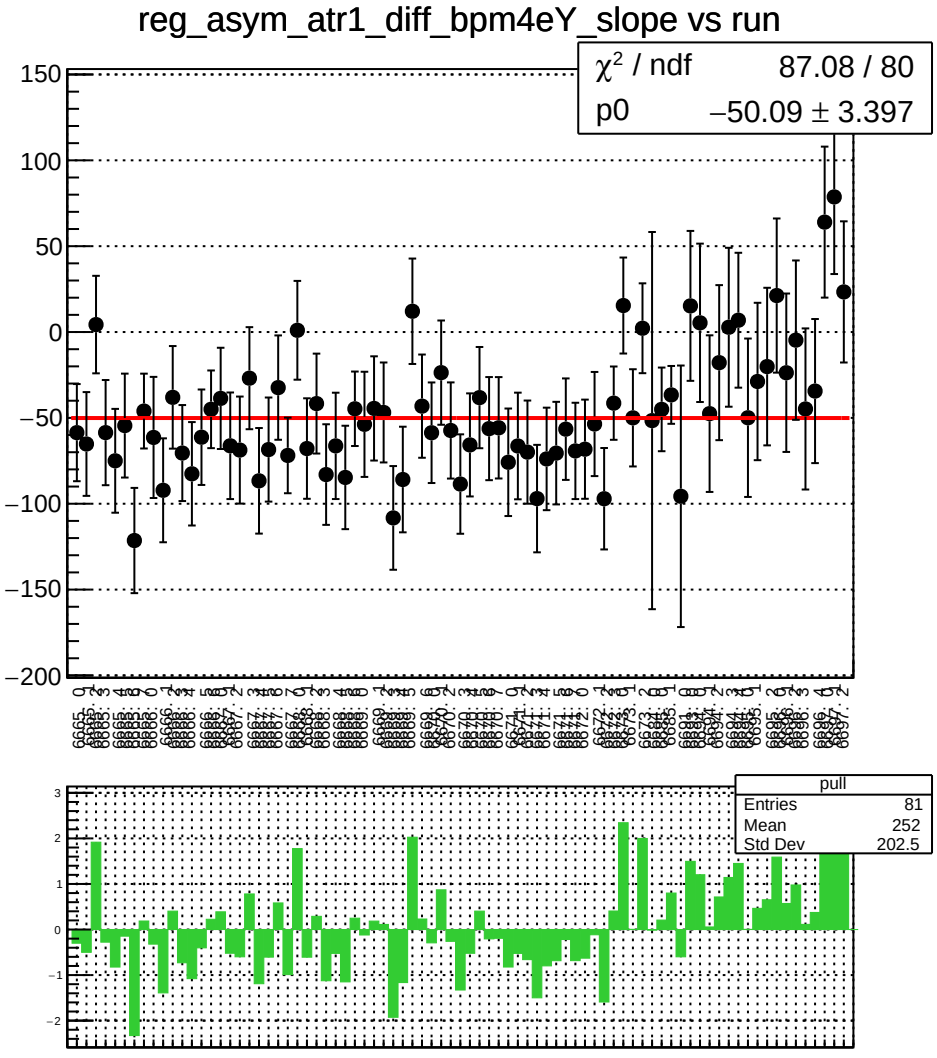

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 161.9 / 80
p0 −112.9 ± 3.428
pull
Entries 81
Mean −181.1
Std Dev 225.7

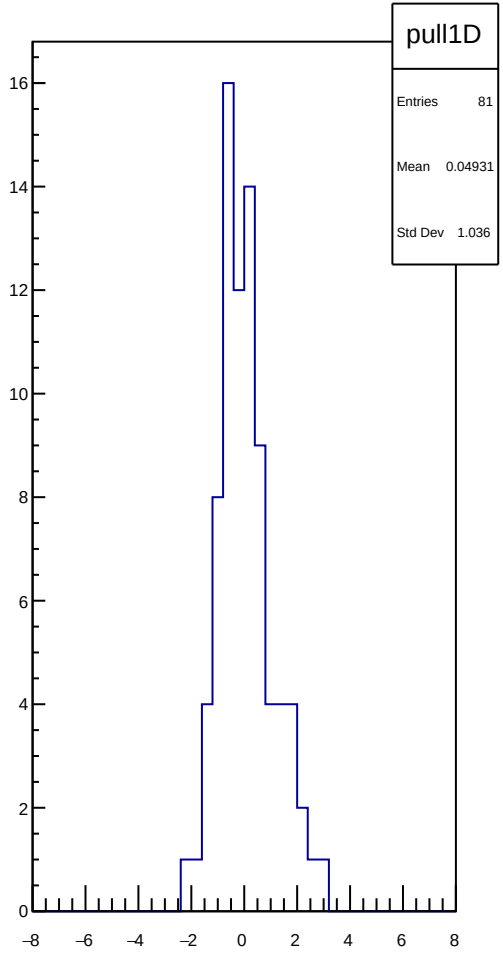

pull1D
Entries 81
Mean −0.09527
Std Dev 1.411

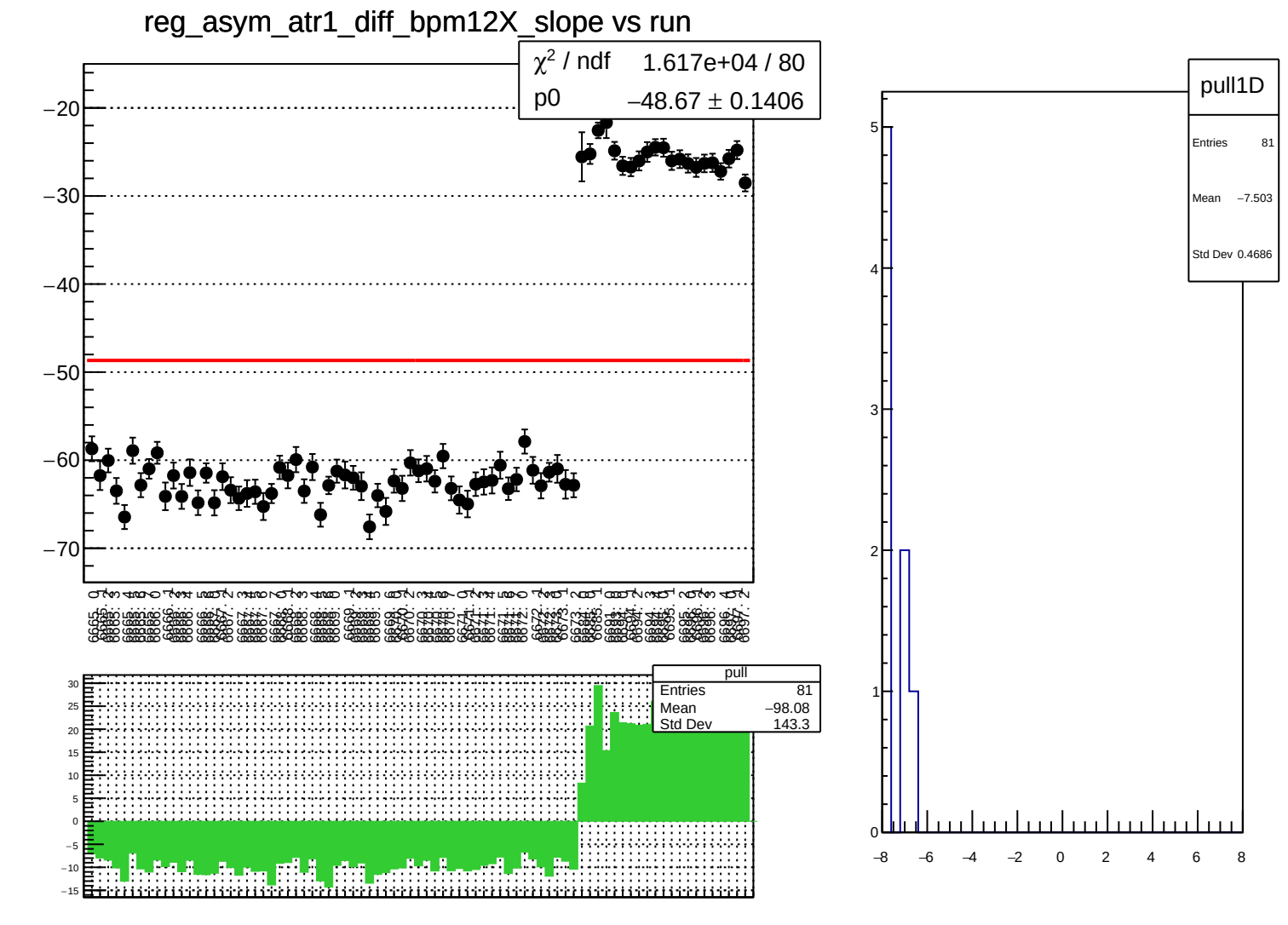

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 81.21 / 80
p0 37.11 ± 2.982
pull
Entries 81
Mean 186.6
Std Dev 137.1
pull1D
Entries 81
Mean −0.06644
Std Dev 0.9991

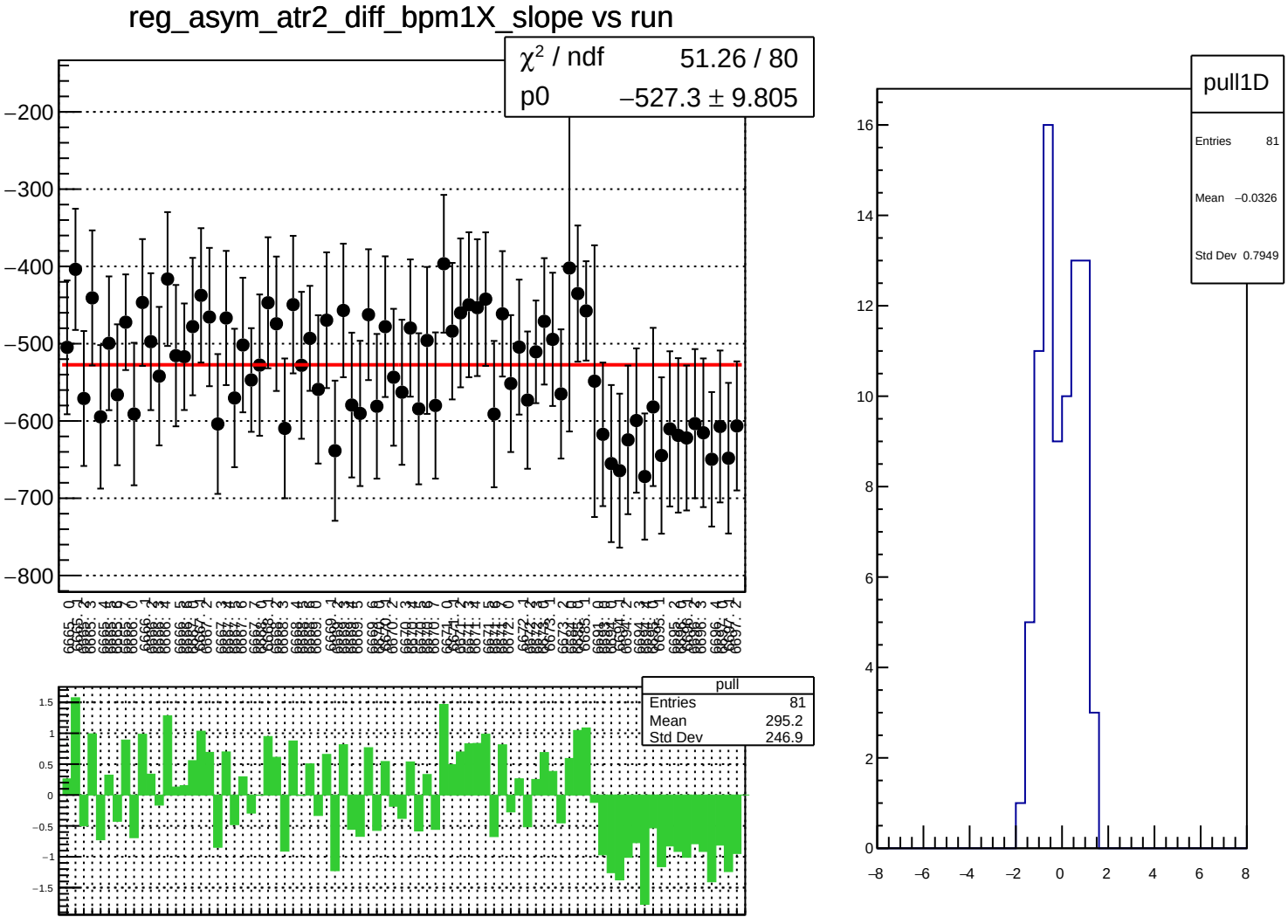

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 213.2 / 80
p0 59.17 ± 3.56
pull
Entries 81
Mean −83.16
Std Dev 126.9

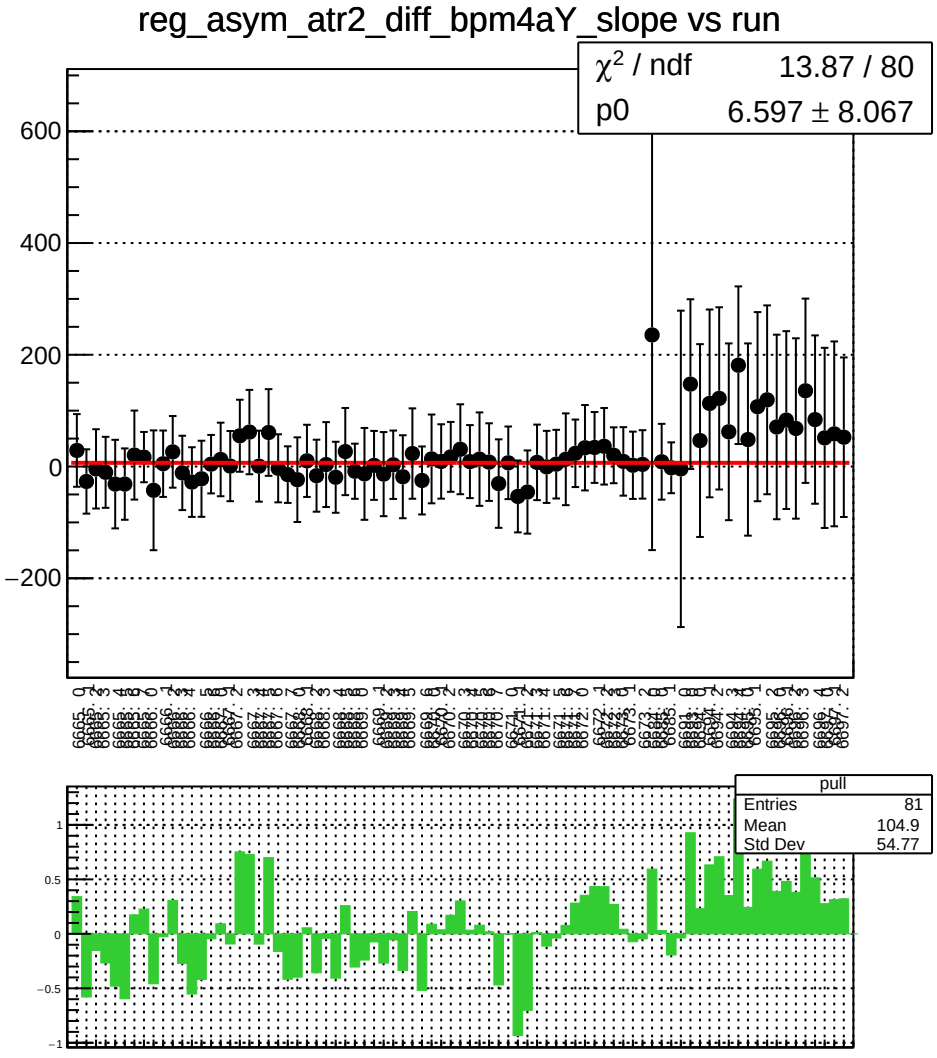

pull1D
Entries 81
Mean 0.2067
Std Dev 1.609

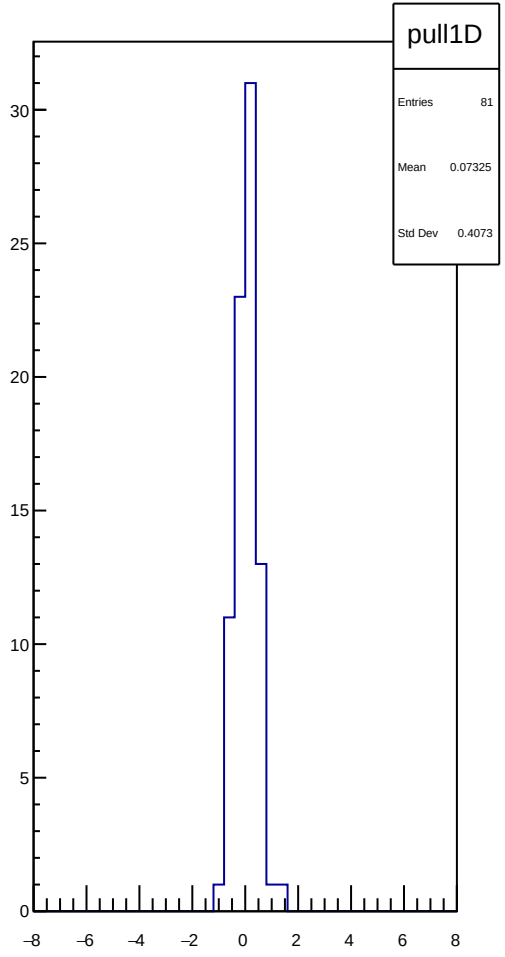

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 87.08 / 80
p0 −50.09 ± 3.397
pull
Entries 81
Mean 252
Std Dev 202.5

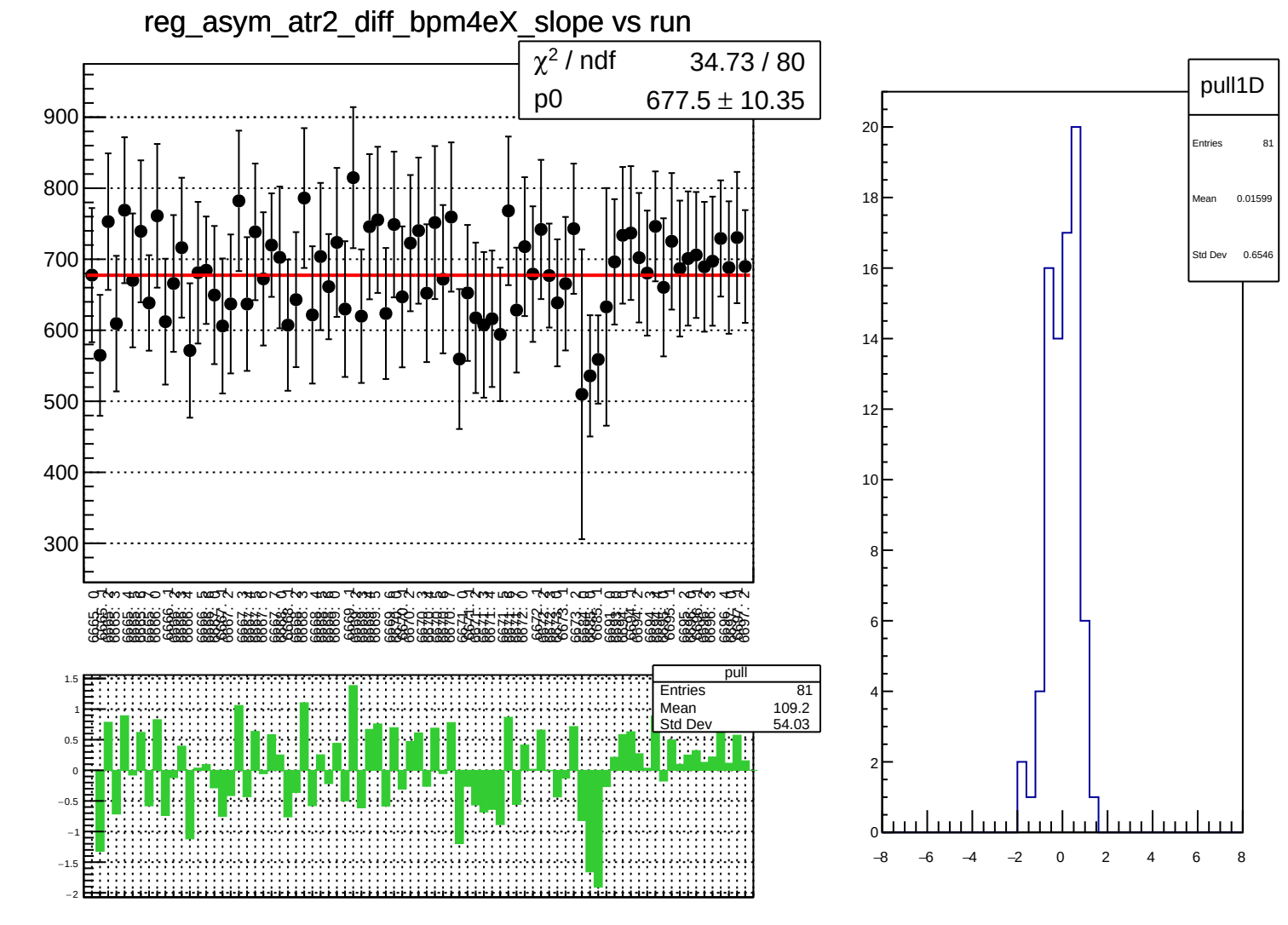

pull1D
Entries 81
Mean 0.04931
Std Dev 1.036

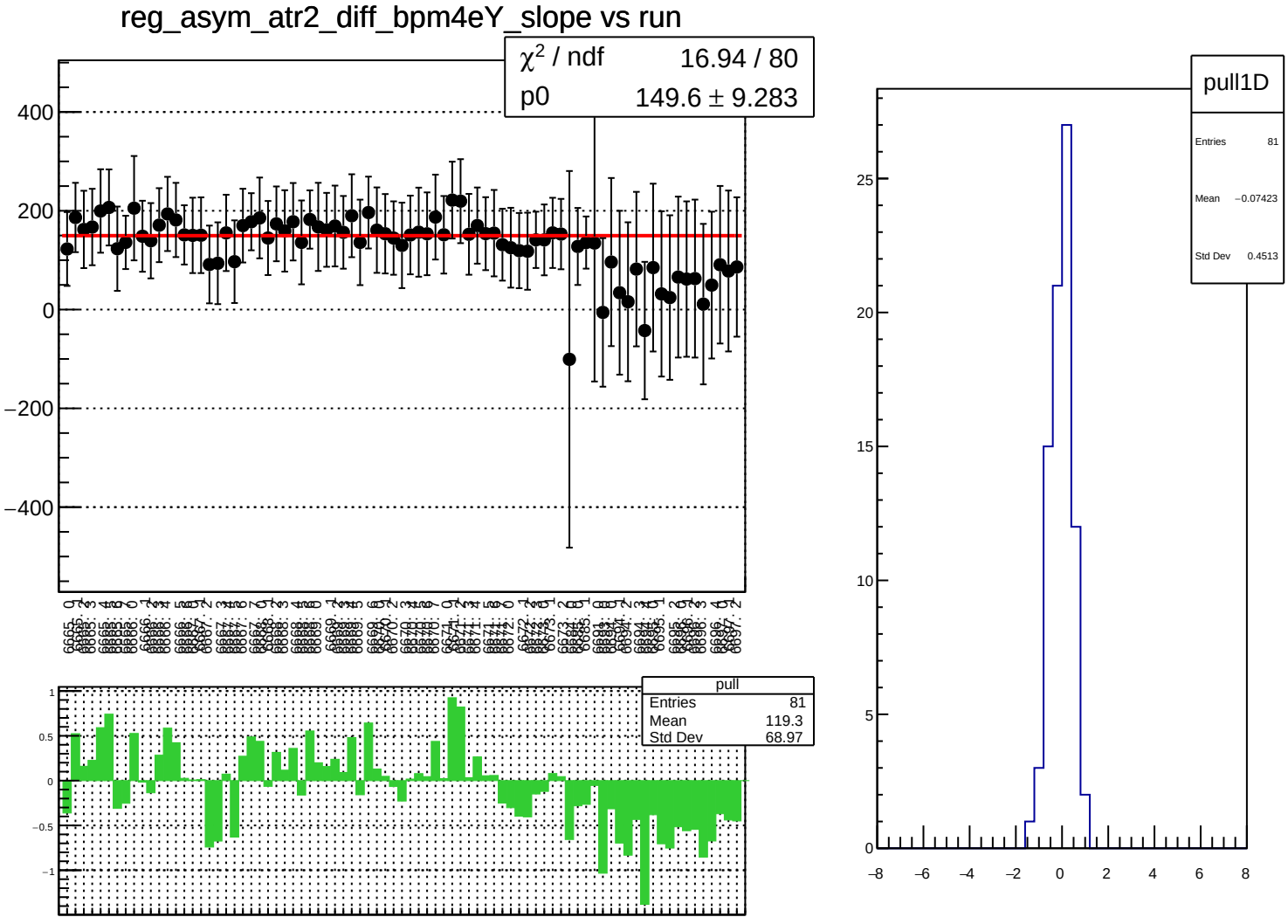

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1.617e+04 / 80
p0 −48.67 ± 0.1406
pull
Entries 81
Mean −98.08
Std Dev 143.3
pull1D
Entries 81
Mean −7.503
Std Dev 0.4686

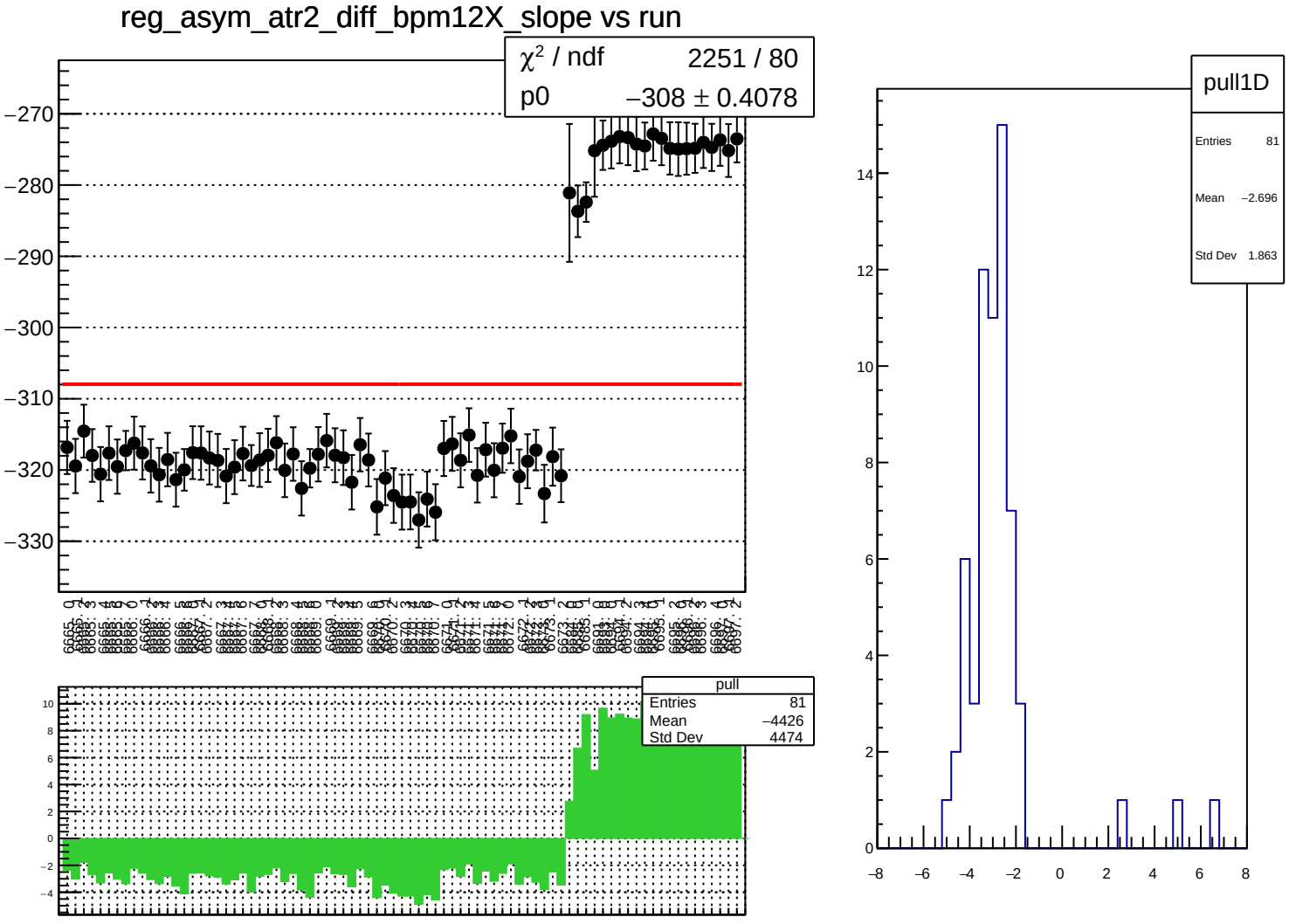

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 51.26 / 80
p0 −527.3 ± 9.805
pull
Entries 81
Mean 295.2
Std Dev 246.9
pull1D
Entries 81
Mean −0.0326
Std Dev 0.7949

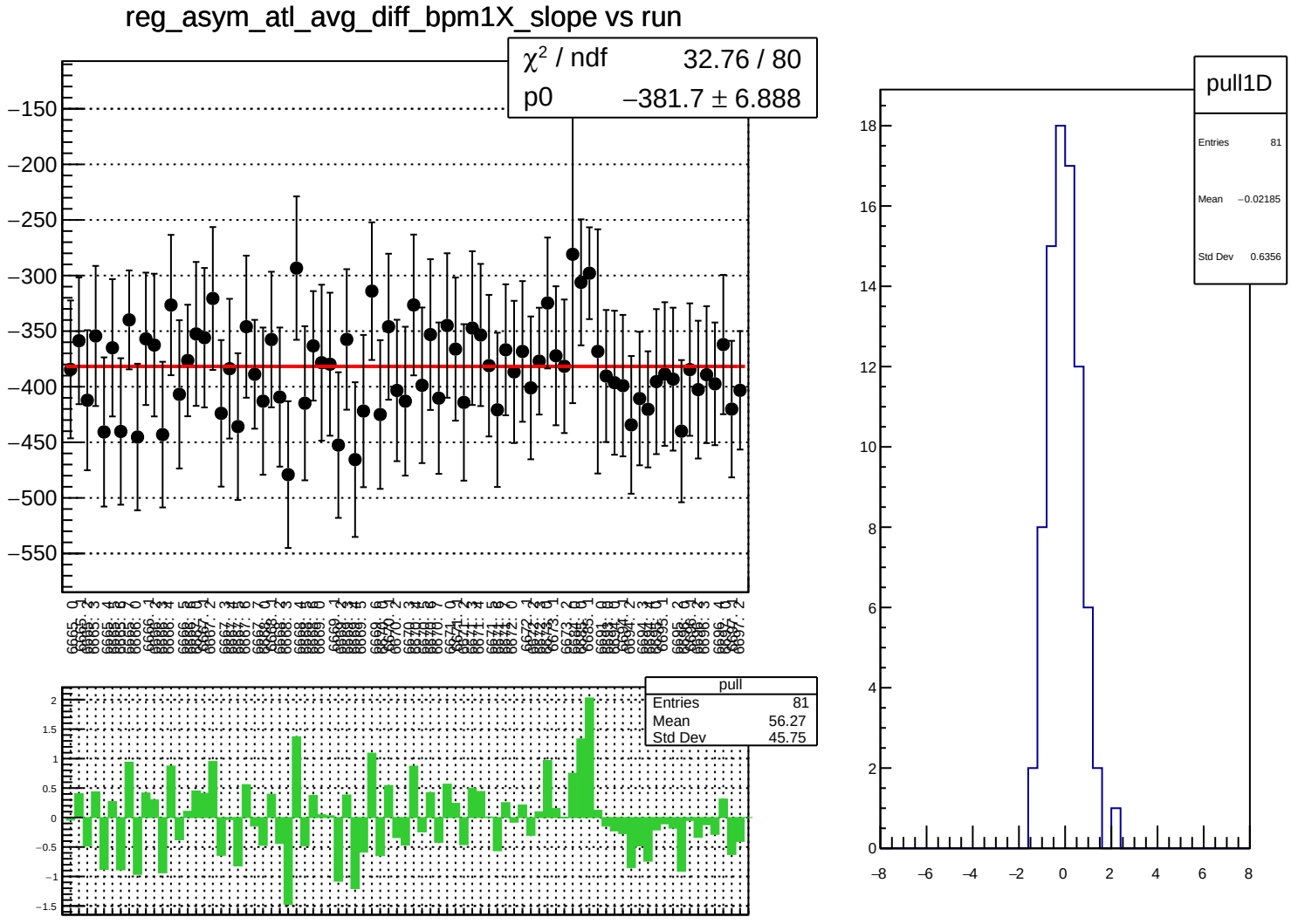

reg_asym_atr2_diff_bpm4aY_slope vs run
χ2 / ndf 13.87 / 80
p0 6.597 ± 8.067
600
400
200
0
−200
pull
Entries 81
Mean 104.9
Std Dev 54.77
1
0.5
0
−0.5
−1

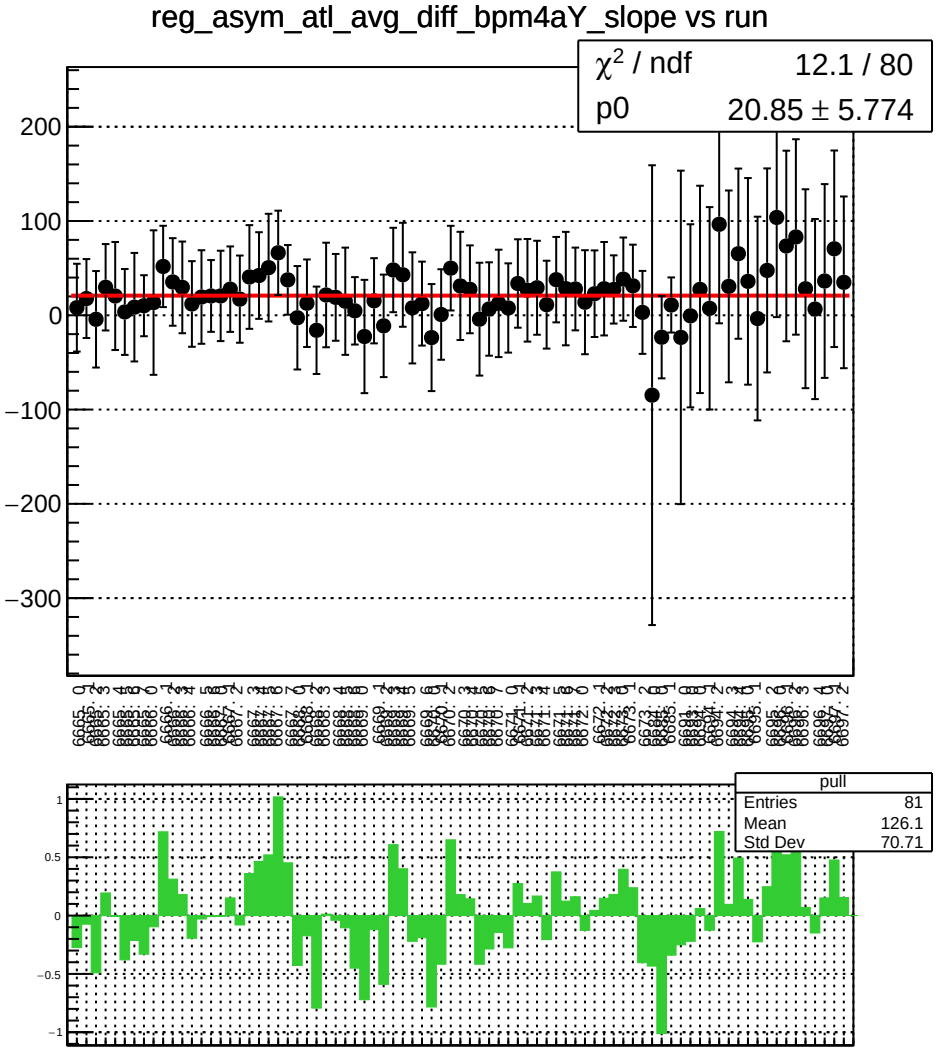

pull1D
Entries 81
Mean 0.07325
Std Dev 0.4073
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

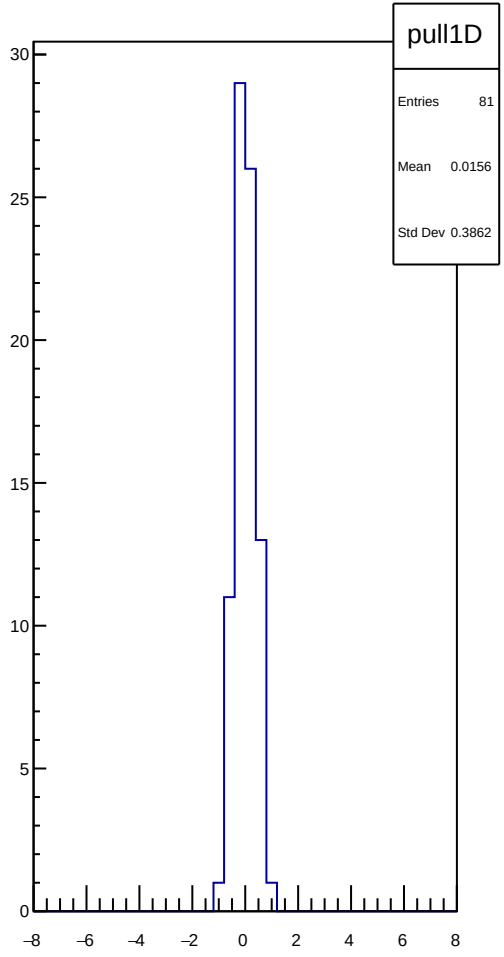

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 34.73 / 80
p0 677.5 ± 10.35
pull
Entries 81
Mean 109.2
Std Dev 54.03
pull1D
Entries 81
Mean 0.01599
Std Dev 0.6546

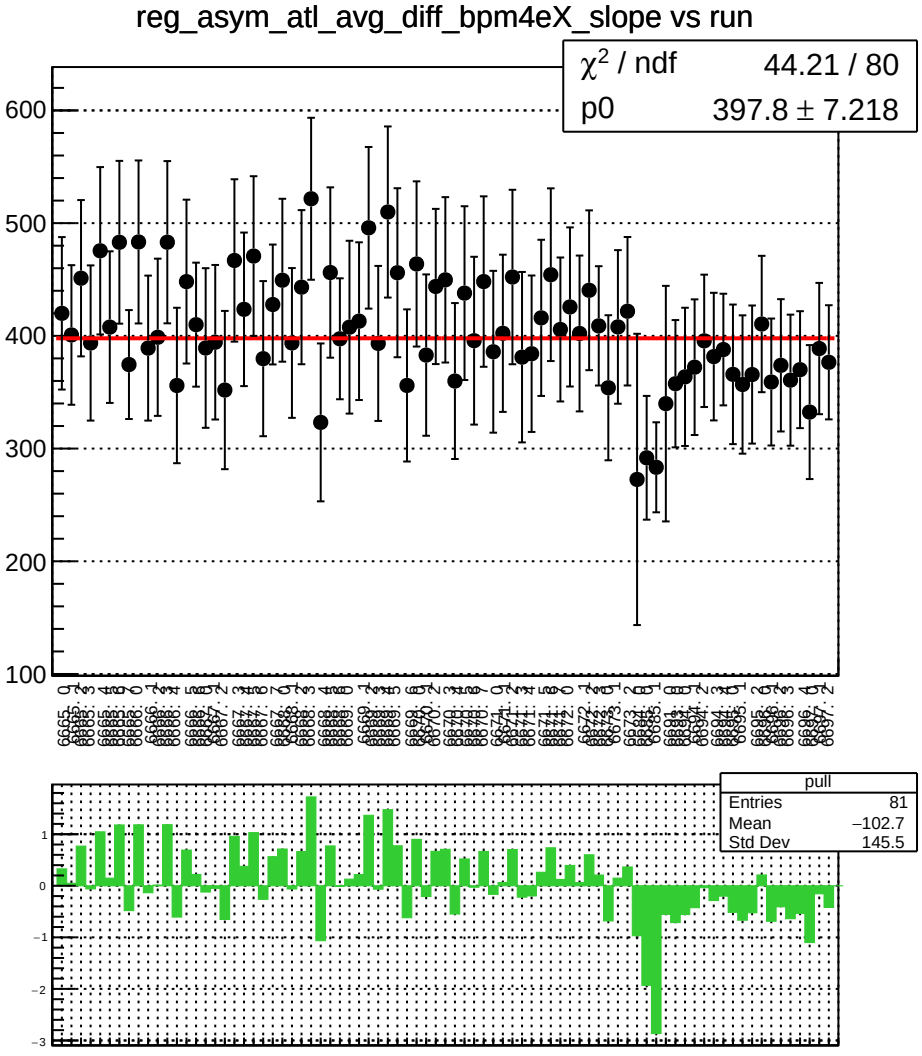

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 16.94 / 80
p0 149.6 ± 9.283
400
200
0
−200
−400
pull
Entries 81
Mean 119.3
Std Dev 68.97
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean −0.07423
Std Dev 0.4513
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

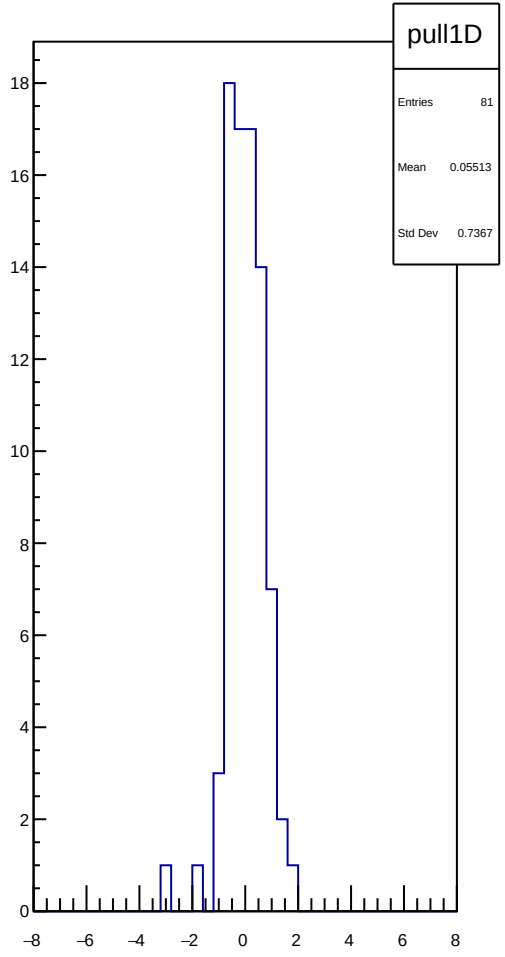

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 2251 / 80
p0 −308 ± 0.4078
pull
Entries 81
Mean −4426
Std Dev 4474
pull1D
Entries 81
Mean −2.696
Std Dev 1.863

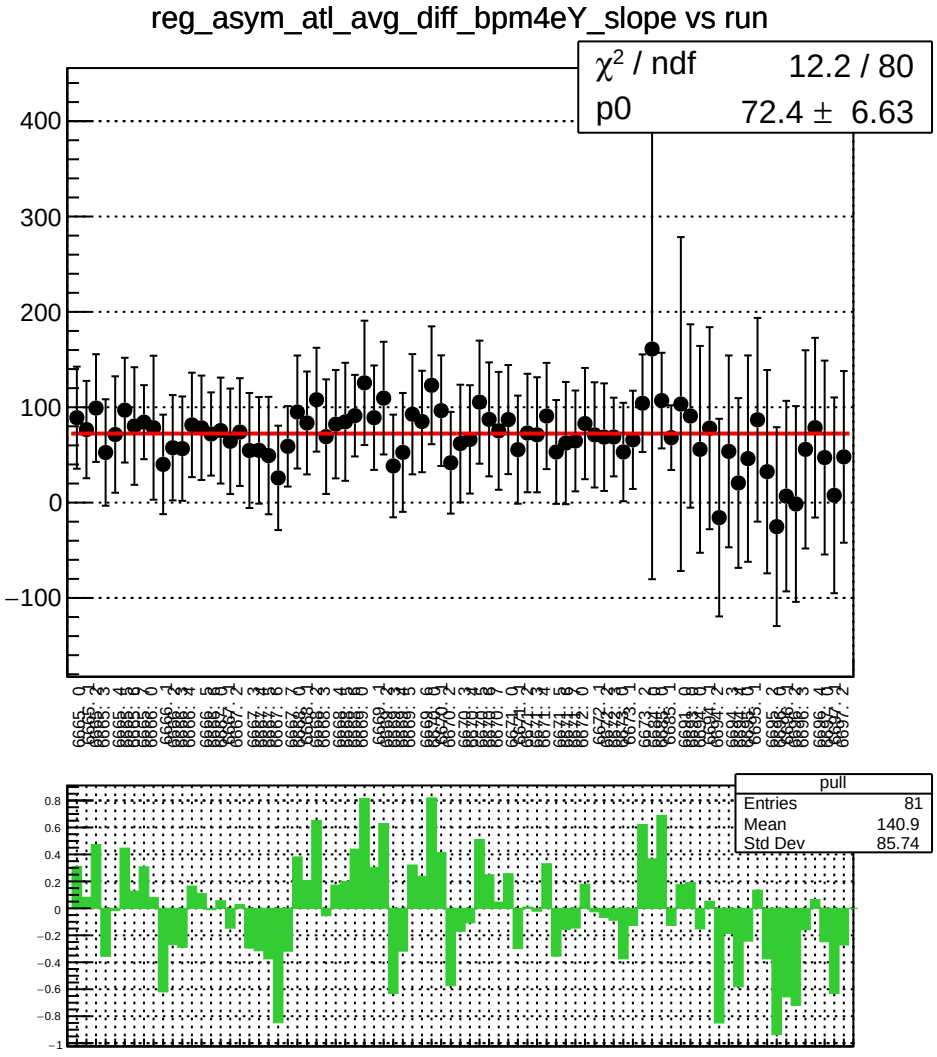

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 32.76 / 80
p0 −381.7 ± 6.888
pull
Entries 81
Mean 56.27
Std Dev 45.75
pull1D
Entries 81
Mean −0.02185
Std Dev 0.6356

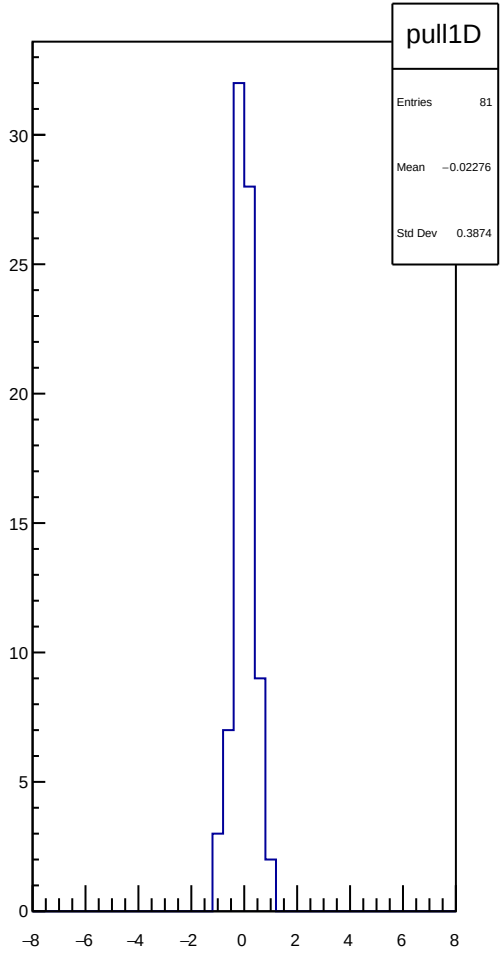

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 12.1 / 80
p0 20.85 ± 5.774
pull
Entries 81
Mean 126.1
Std Dev 70.71

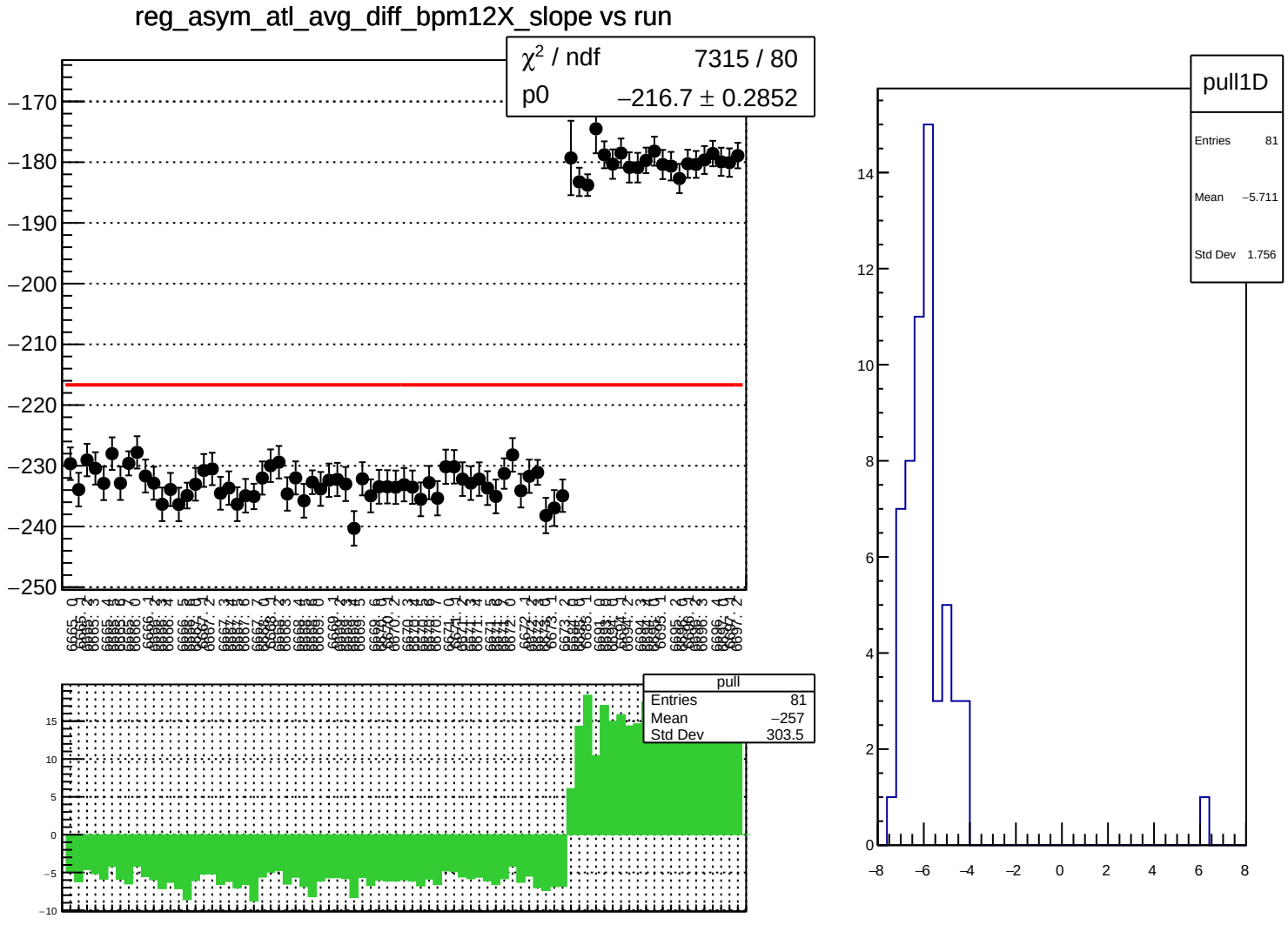

pull1D
Entries 81
Mean 0.0156
Std Dev 0.3862

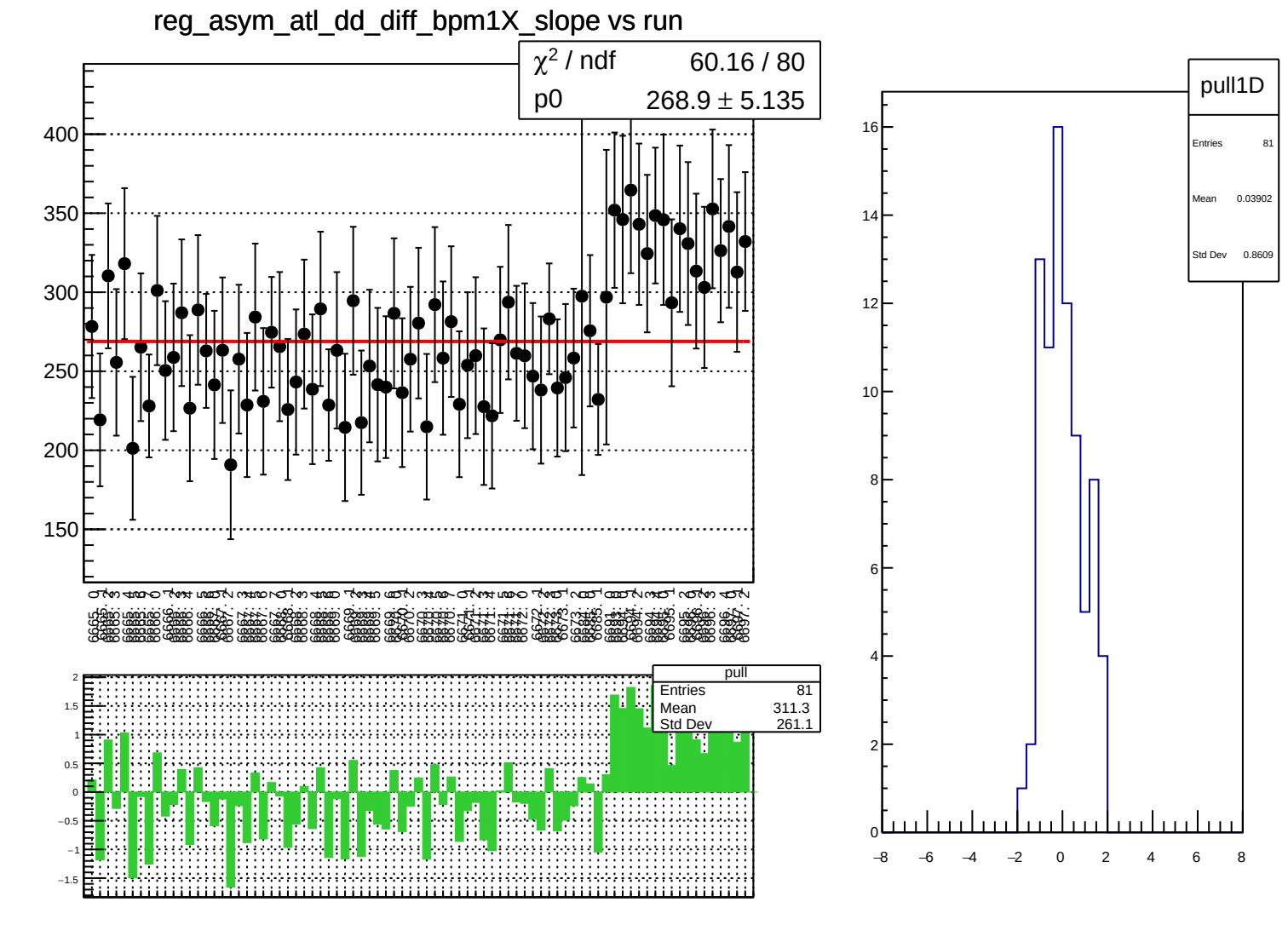

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.21 / 80
p0 397.8 ± 7.218
pull
Entries 81
Mean −102.7
Std Dev 145.5

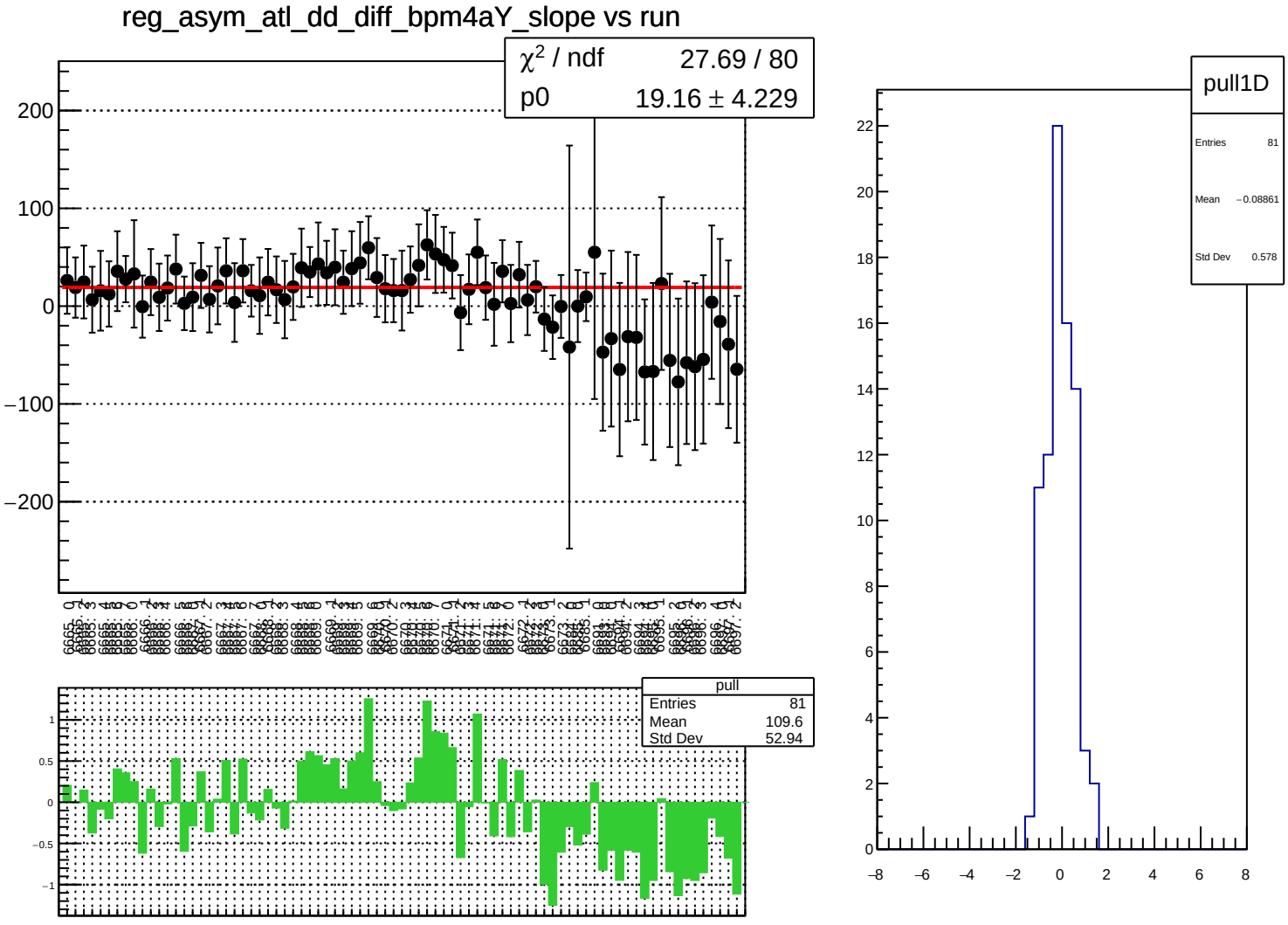

pull1D
Entries 81
Mean 0.05513
Std Dev 0.7367

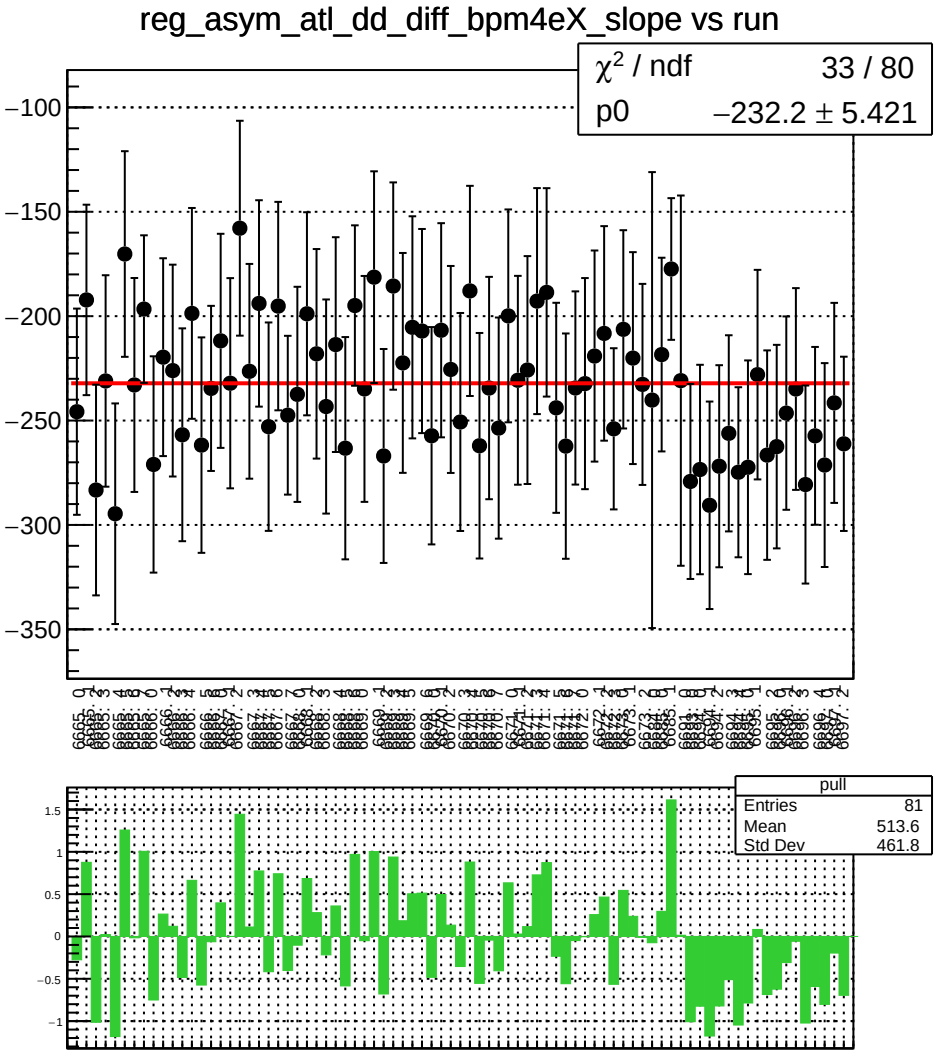

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.2 / 80
p0 72.4 ± 6.63
pull
Entries 81
Mean 140.9
Std Dev 85.74

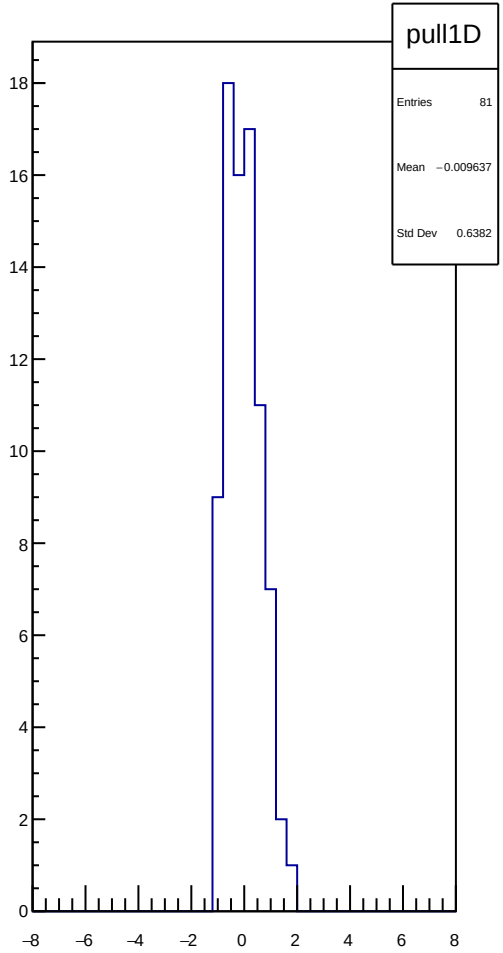

pull1D
Entries 81
Mean −0.02276
Std Dev 0.3874

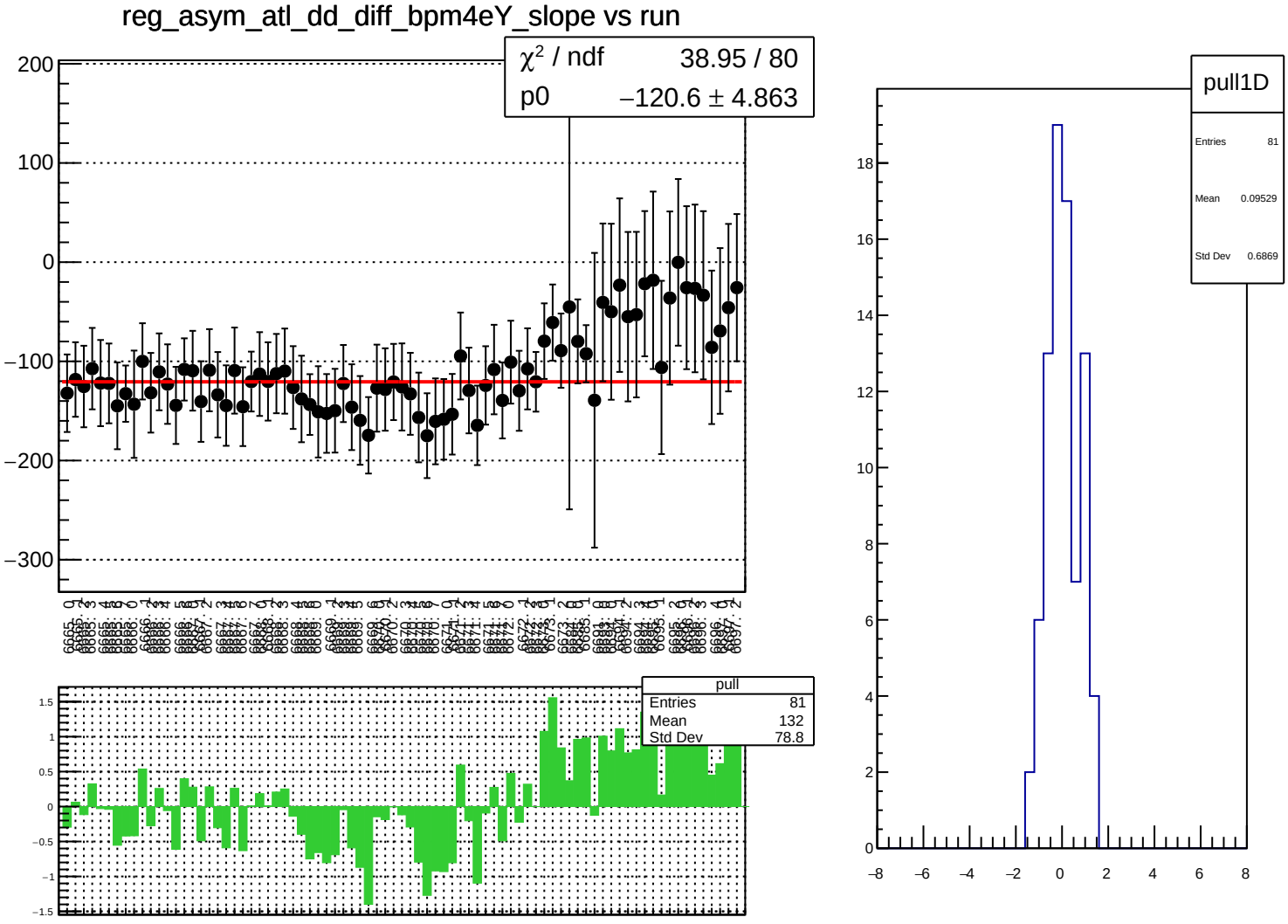

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 7315 / 80
p0 −216.7 ± 0.2852
pull
Entries 81
Mean −257
Std Dev 303.5
pull1D
Entries 81
Mean −5.711
Std Dev 1.756

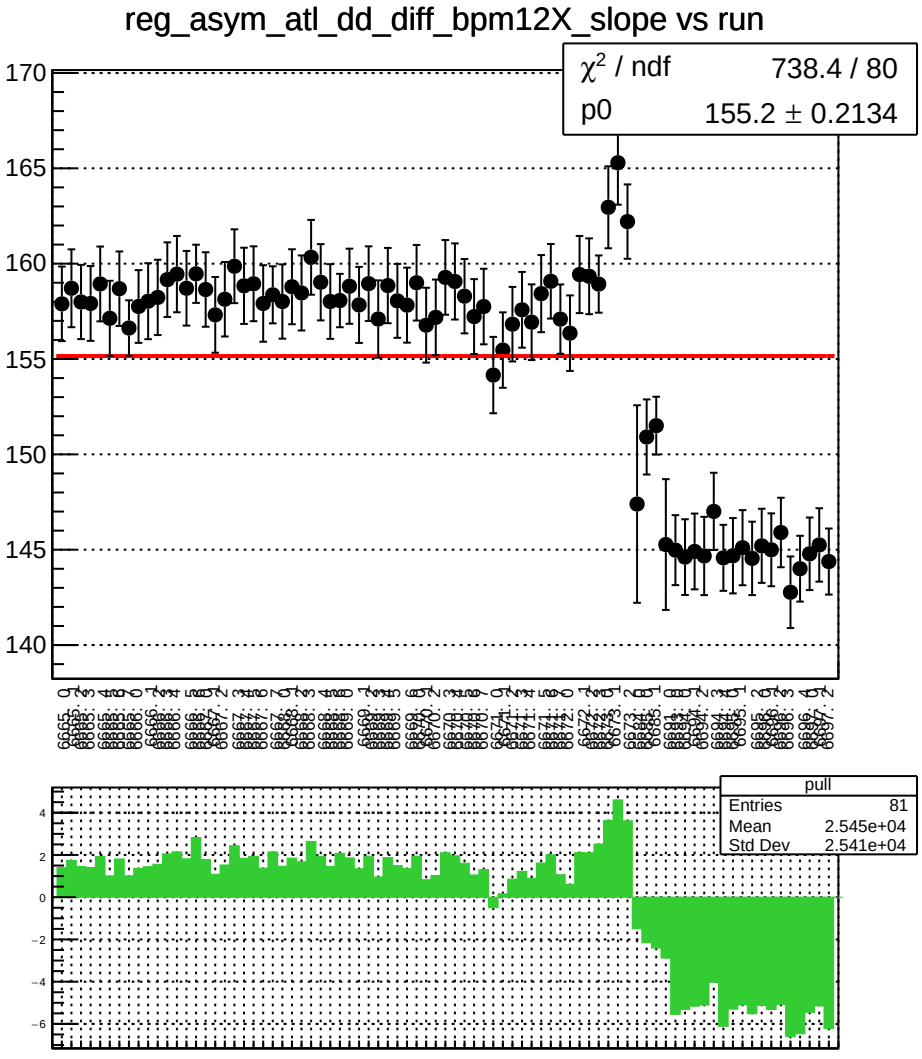

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 60.16 / 80
p0 268.9 ± 5.135
pull
Entries 81
Mean 311.3
Std Dev 261.1
pull1D
Entries 81
Mean 0.03902
Std Dev 0.8609

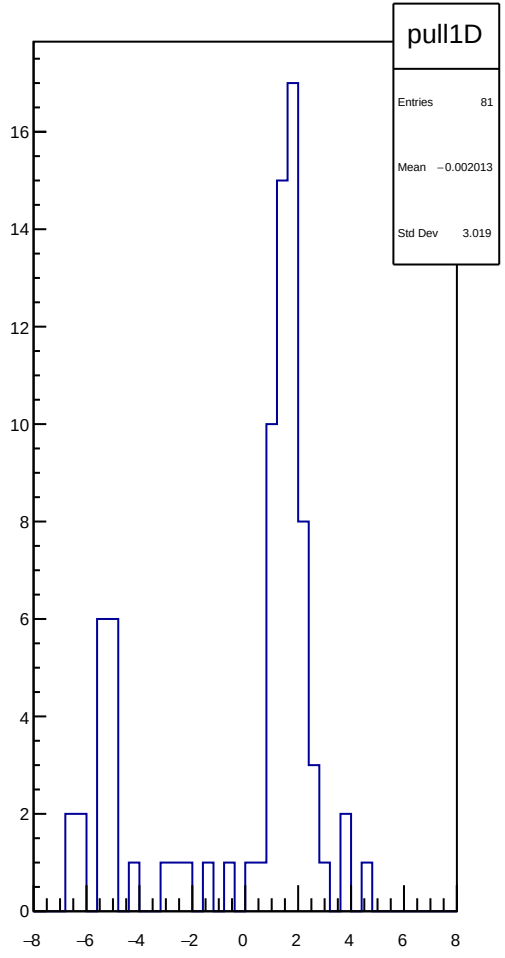

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 27.69 / 80
p0 19.16 ± 4.229
pull
Entries 81
Mean 109.6
Std Dev 52.94
pull1D
Entries 81
Mean −0.08861
Std Dev 0.578

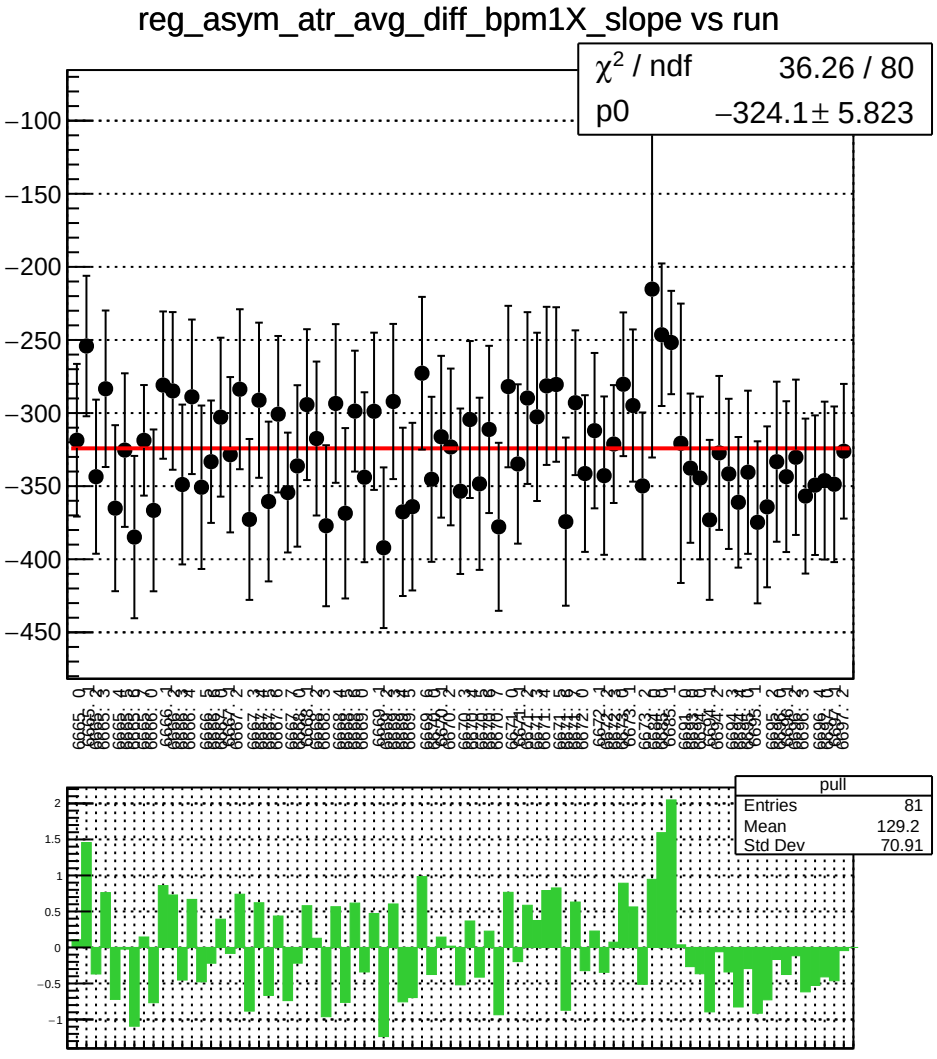

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 33 / 80
p0 −232.2 ± 5.421
pull
Entries 81
Mean 513.6
Std Dev 461.8

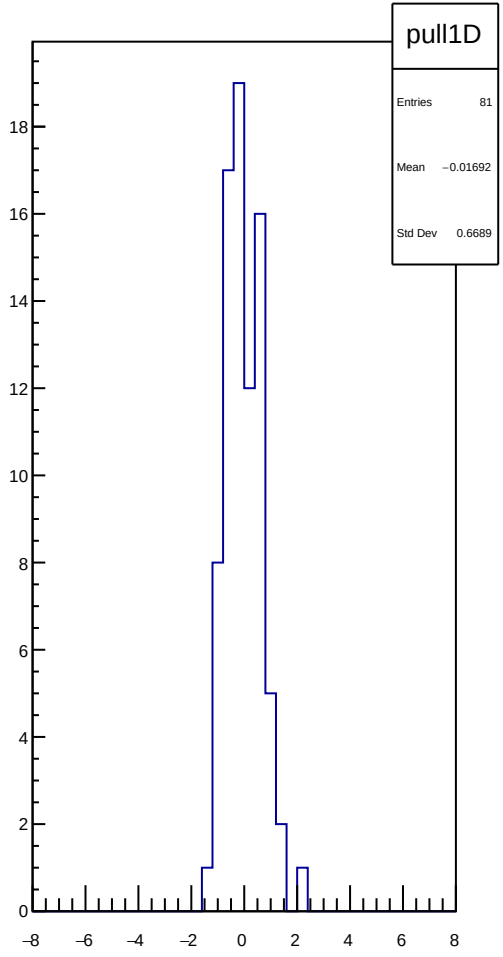

pull1D
Entries 81
Mean −0.009637
Std Dev 0.6382

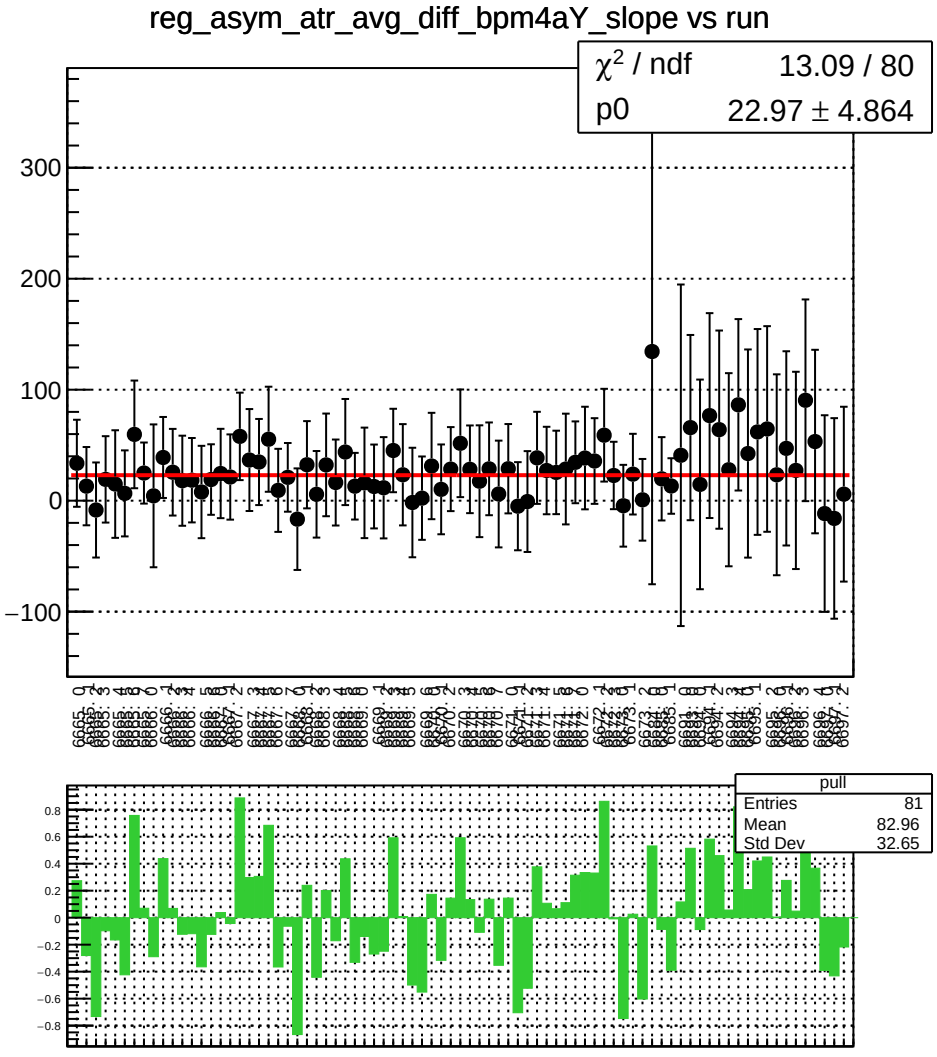

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 38.95 / 80
p0 −120.6 ± 4.863
pull
Entries 81
Mean 132
Std Dev 78.8
pull1D
Entries 81
Mean 0.09529
Std Dev 0.6869

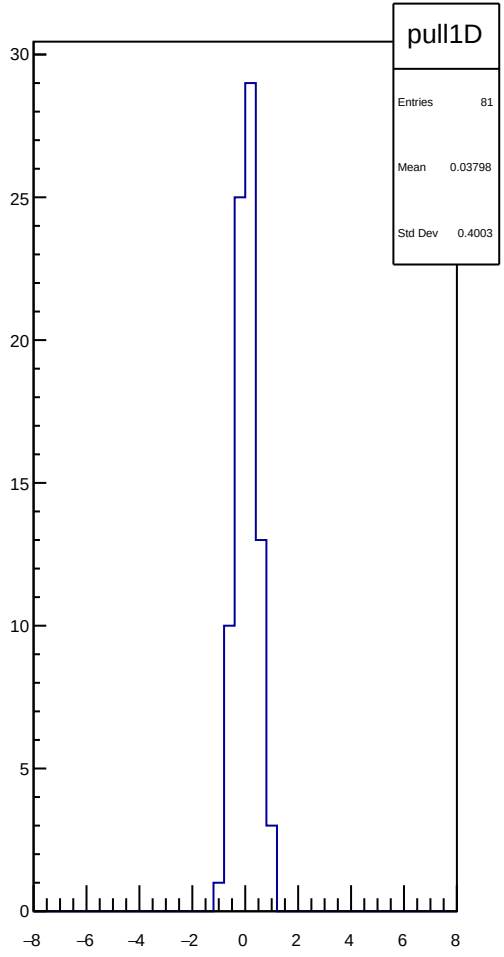

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 738.4 / 80
p0 155.2 ± 0.2134
pull
Entries 81
Mean 2.545e+04
Std Dev 2.541e+04

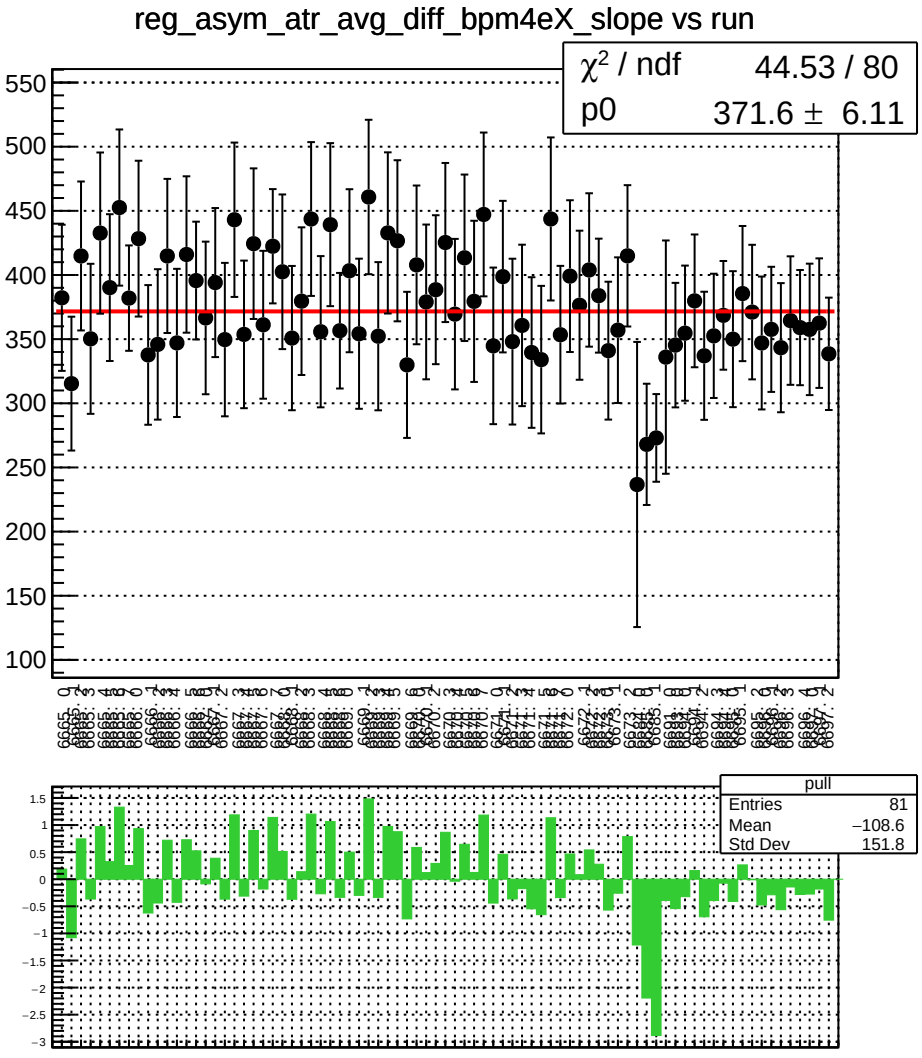

pull1D
Entries 81
Mean −0.002013
Std Dev 3.019

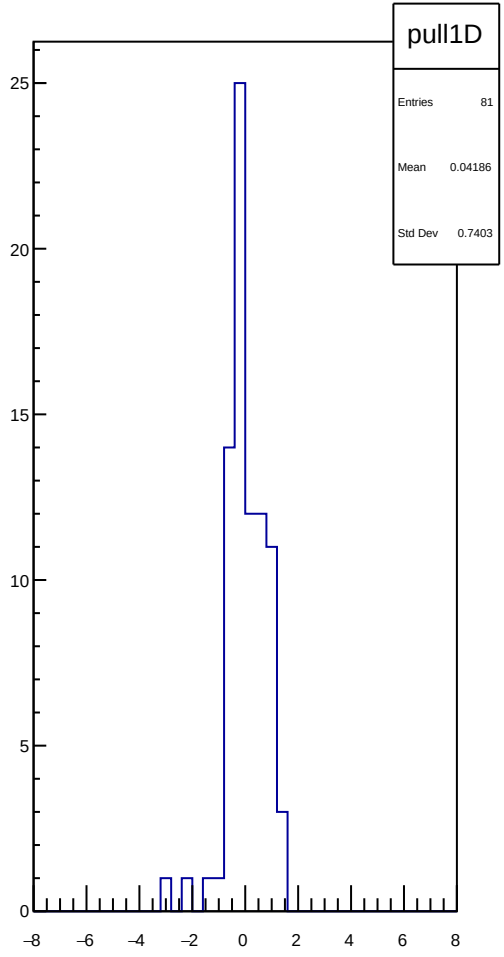

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 36.26 / 80
p0 −324.1 ± 5.823
pull
Entries 81
Mean 129.2
Std Dev 70.91

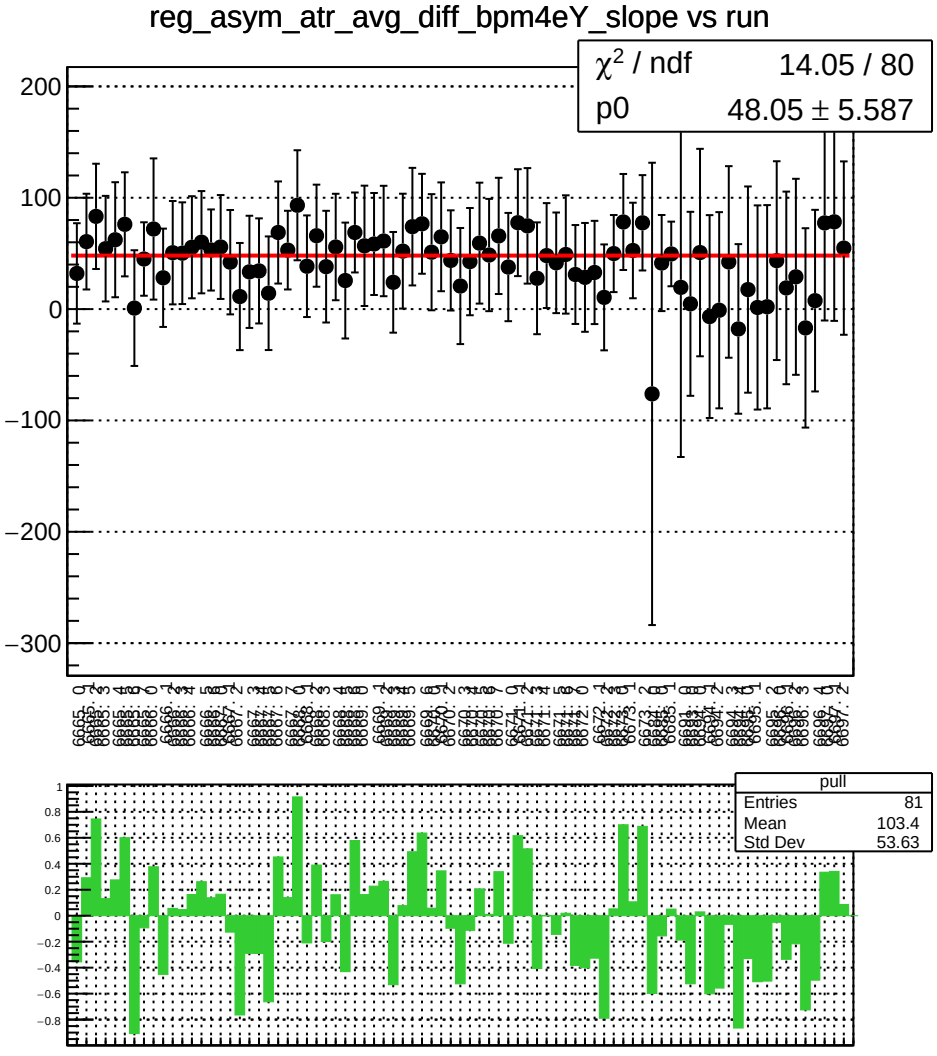

pull1D
Entries 81
Mean −0.01692
Std Dev 0.6689

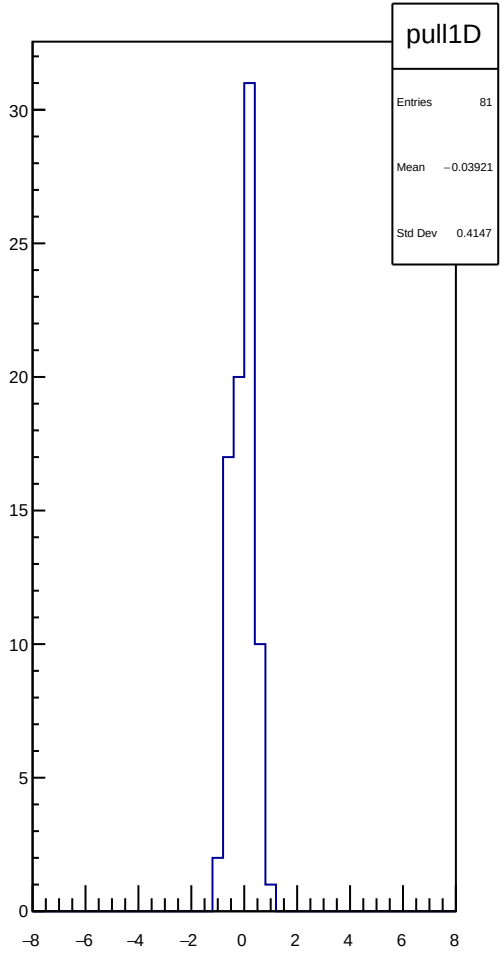

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.09 / 80
p0 22.97 ± 4.864
pull
Entries 81
Mean 82.96
Std Dev 32.65

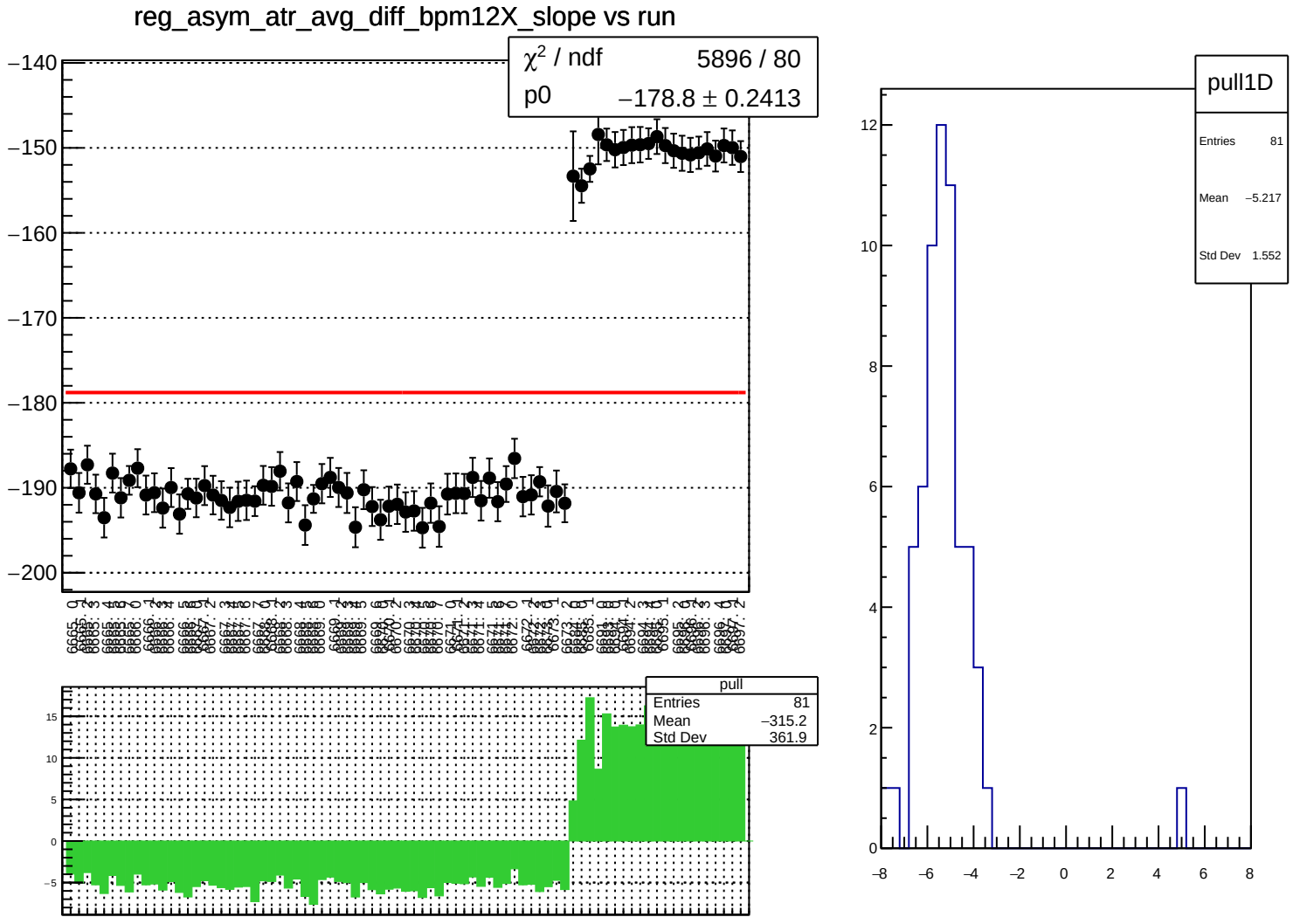

pull1D
Entries 81
Mean 0.03798
Std Dev 0.4003

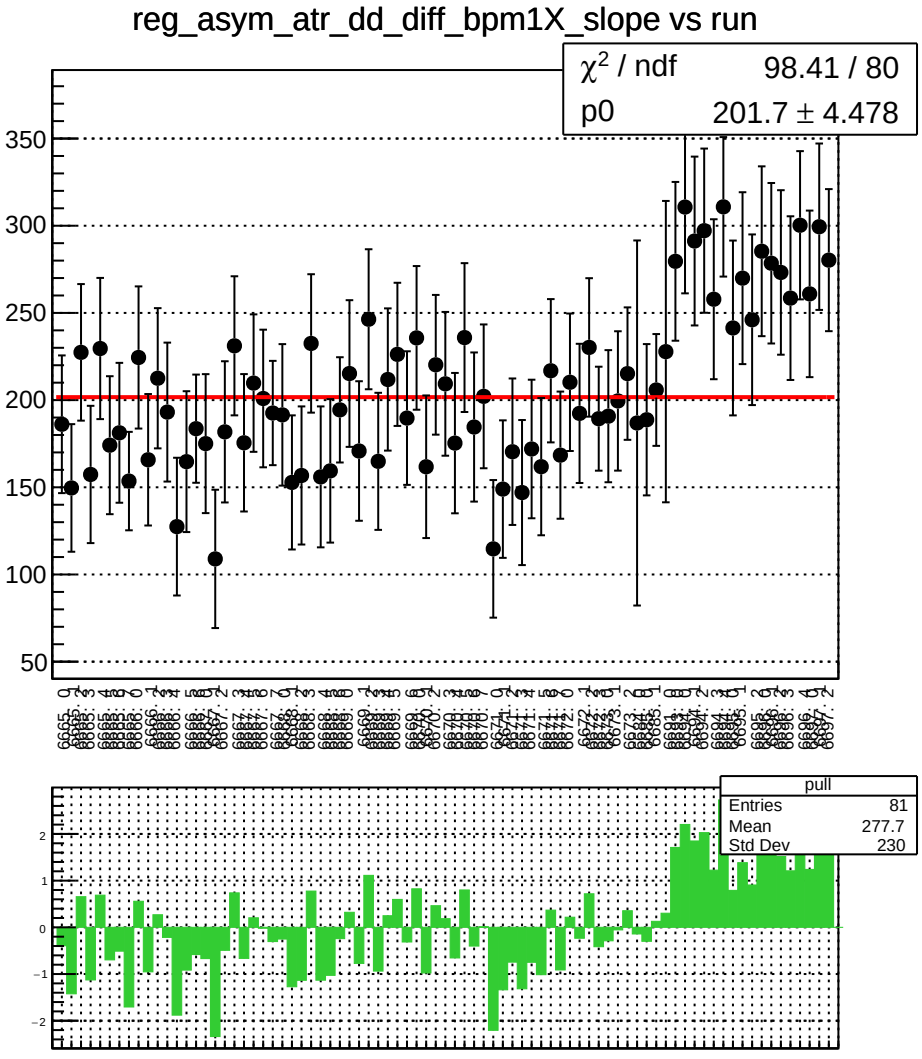

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.53 / 80
p0 371.6 ± 6.11
pull
Entries 81
Mean −108.6
Std Dev 151.8

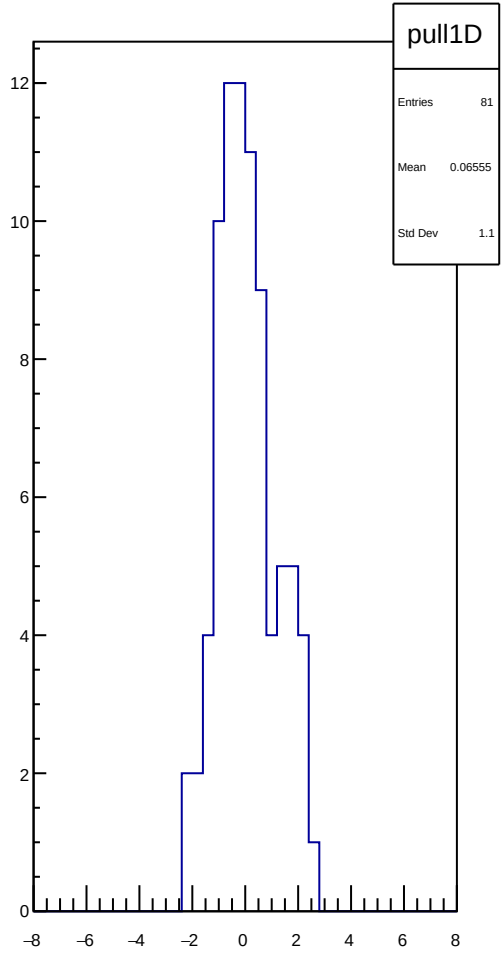

pull1D
Entries 81
Mean 0.04186
Std Dev 0.7403

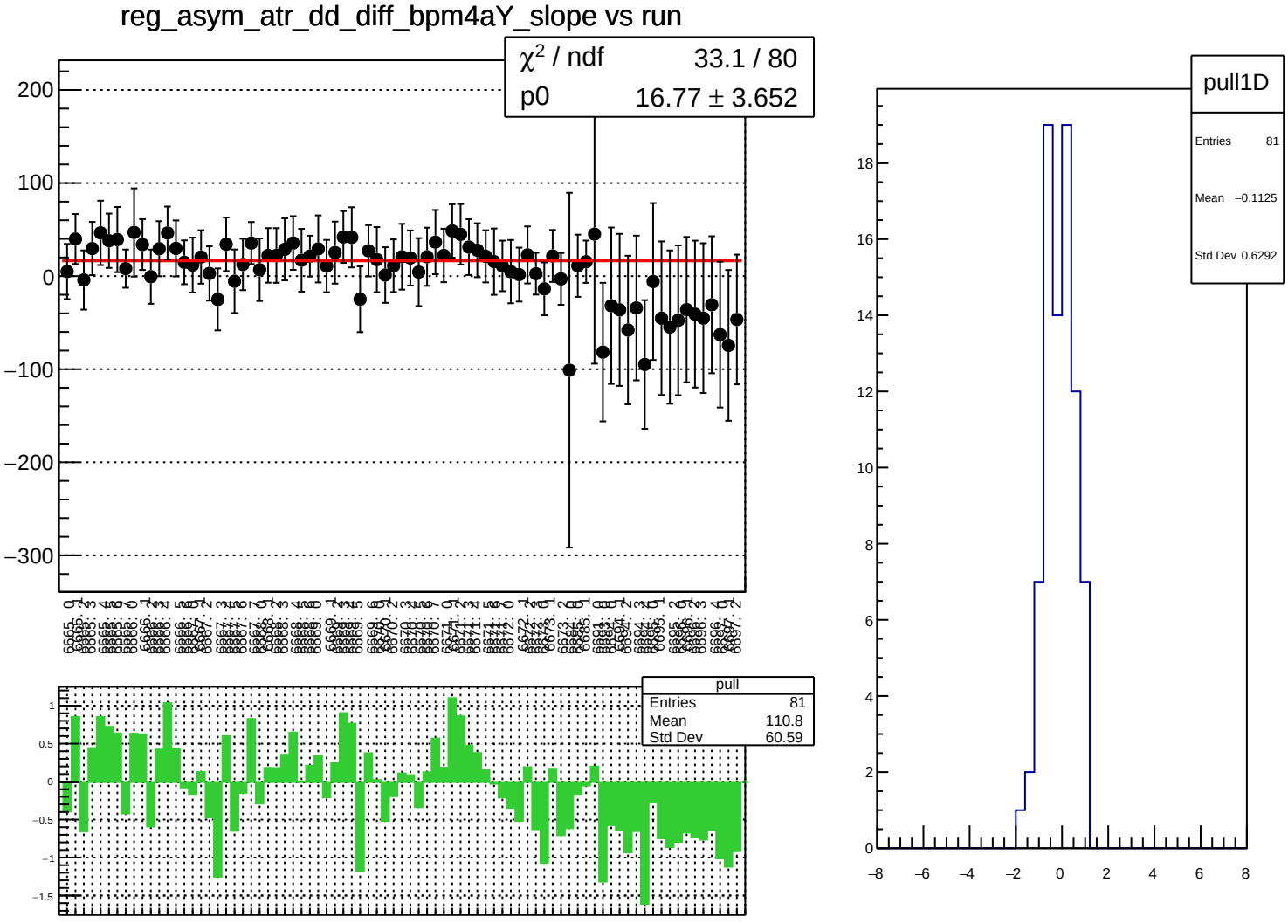

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.05 / 80
p0 48.05 ± 5.587
pull
Entries 81
Mean 103.4
Std Dev 53.63

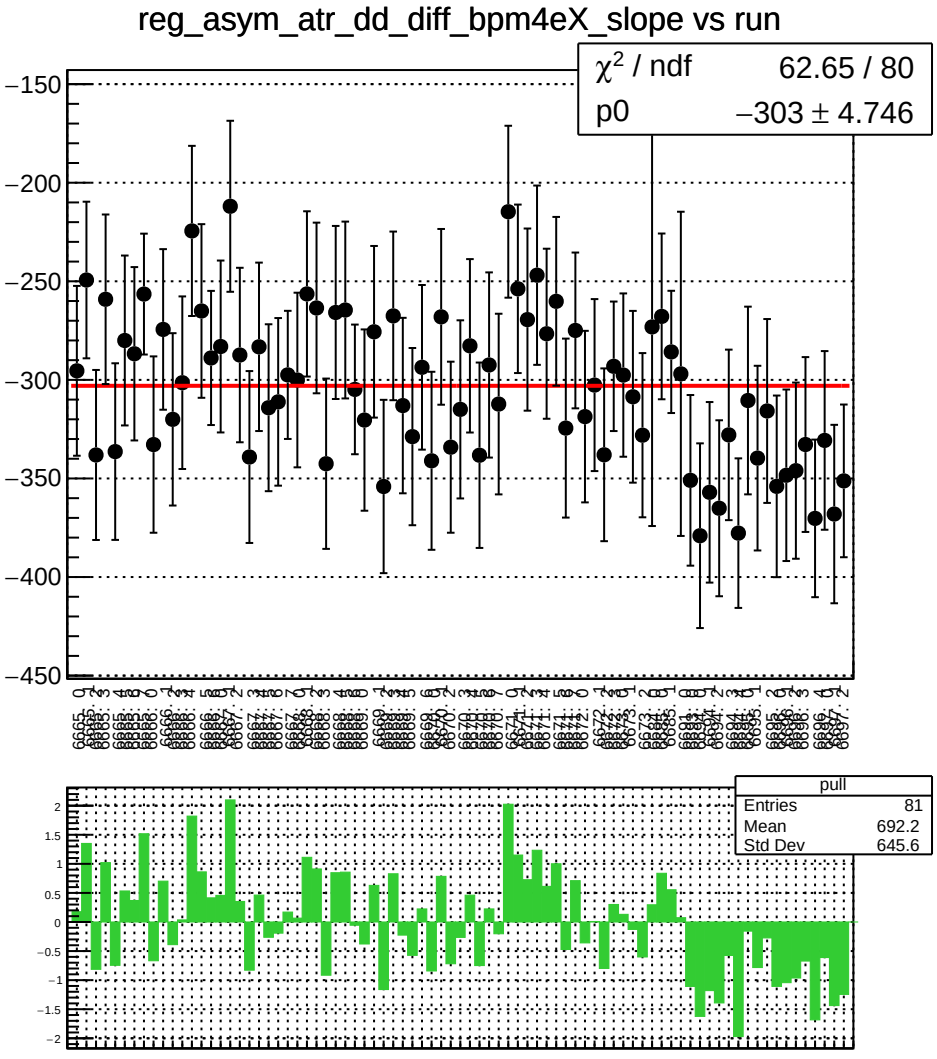

pull1D
Entries 81
Mean −0.03921
Std Dev 0.4147

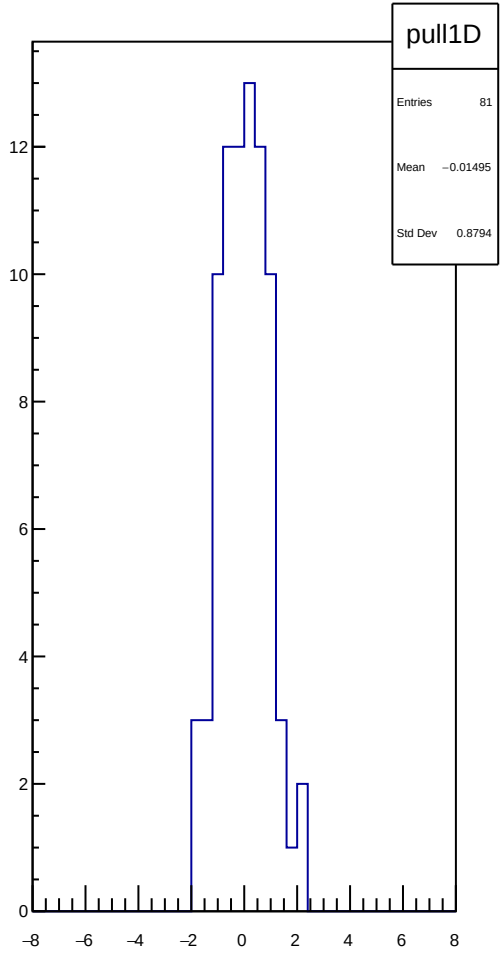

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5896 / 80
p0 −178.8 ± 0.2413
pull
Entries 81
Mean −315.2
Std Dev 361.9
pull1D
Entries 81
Mean −5.217
Std Dev 1.552

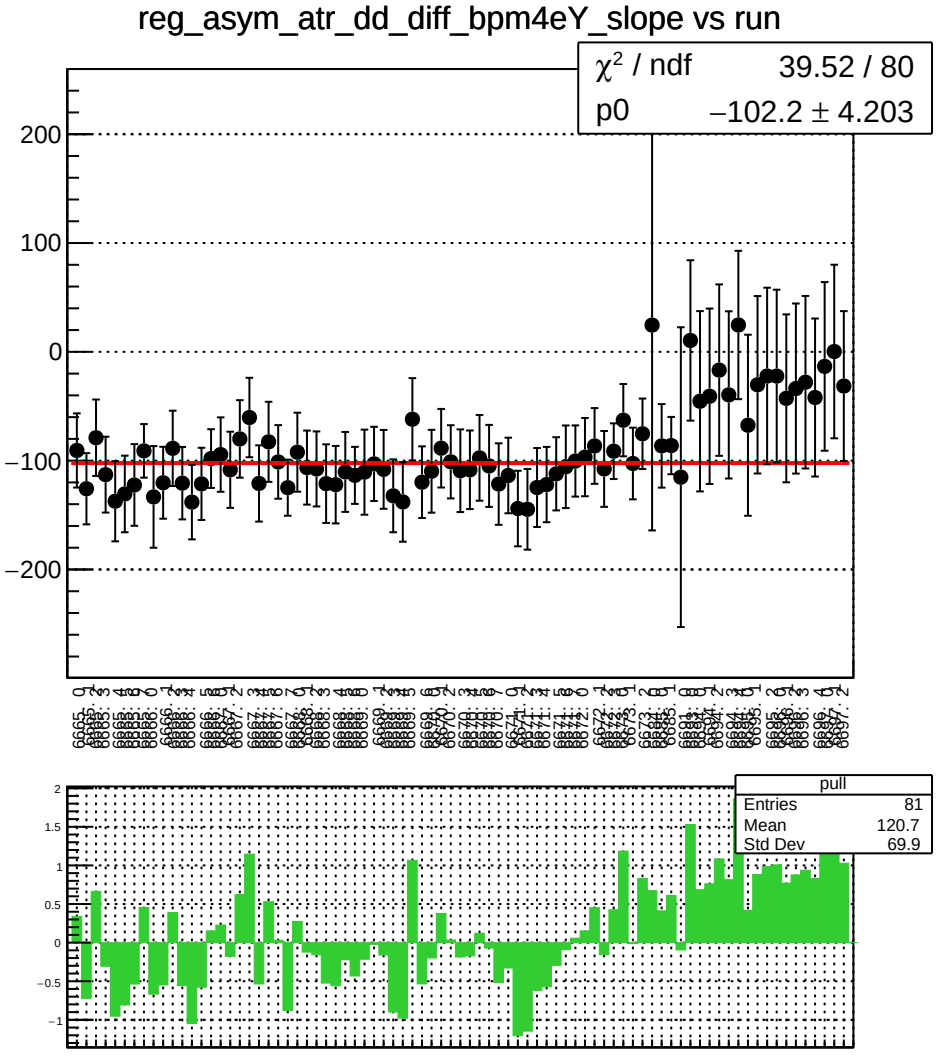

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 98.41 / 80
p0 201.7 ± 4.478
pull
Entries 81
Mean 277.7
Std Dev 230

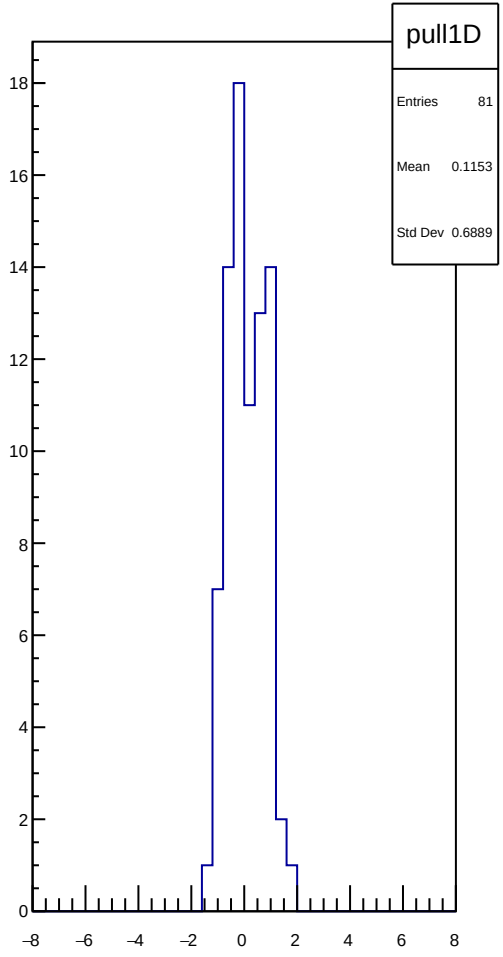

pull1D
Entries 81
Mean 0.06555
Std Dev 1.1

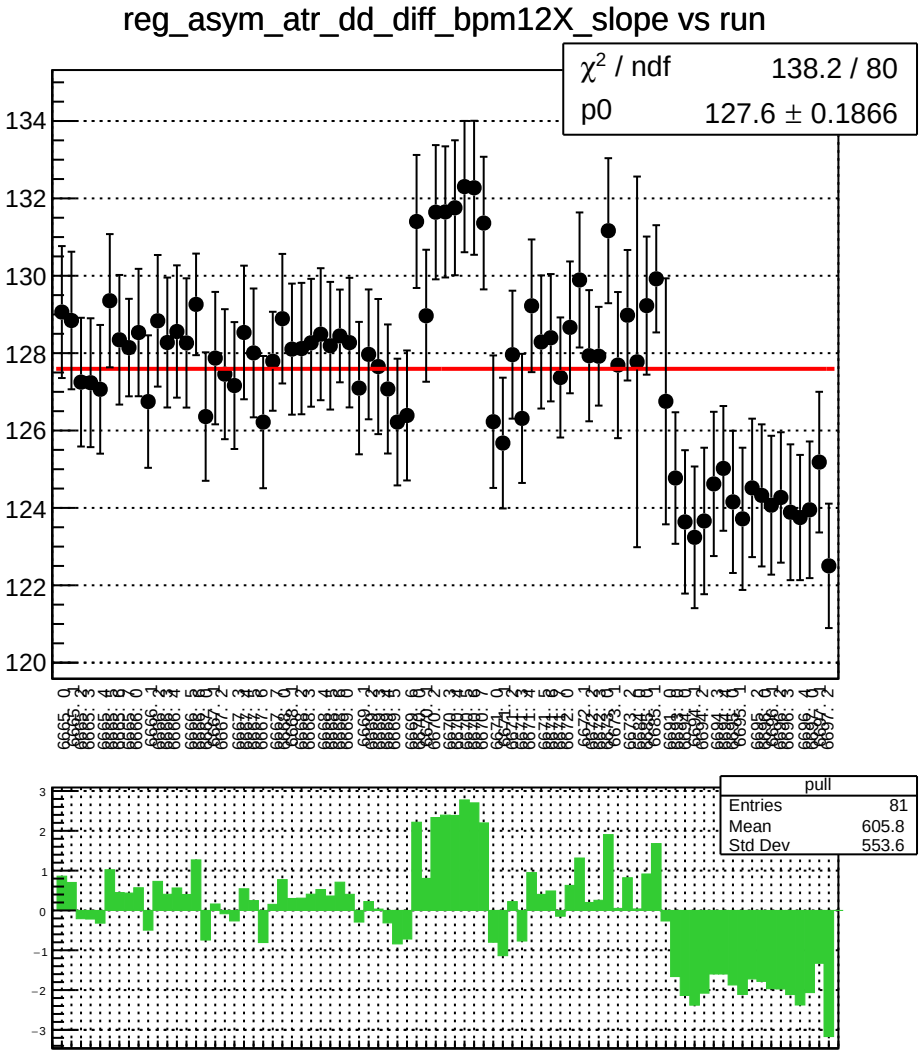

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.1 / 80
p0 16.77 ± 3.652
pull
Entries 81
Mean 110.8
Std Dev 60.59
pull1D
Entries 81
Mean −0.1125
Std Dev 0.6292

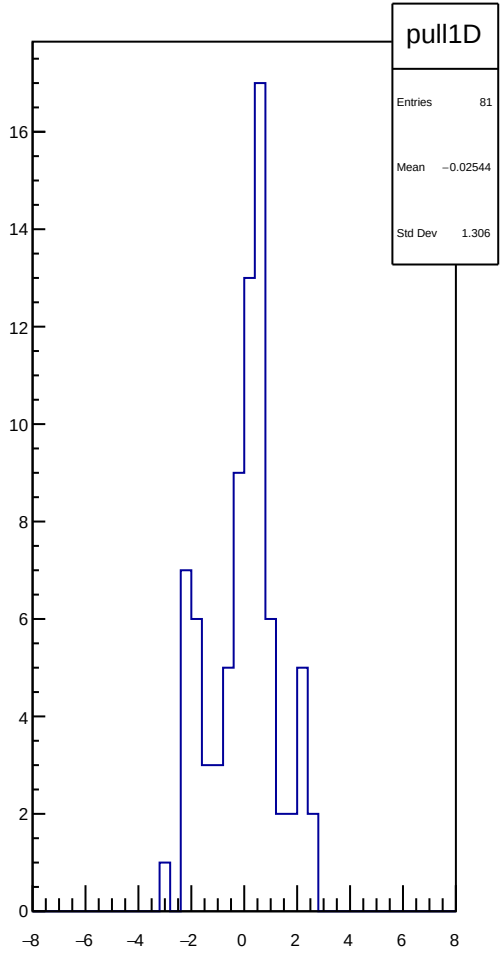

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 62.65 / 80
p0 −303 ± 4.746
pull
Entries 81
Mean 692.2
Std Dev 645.6

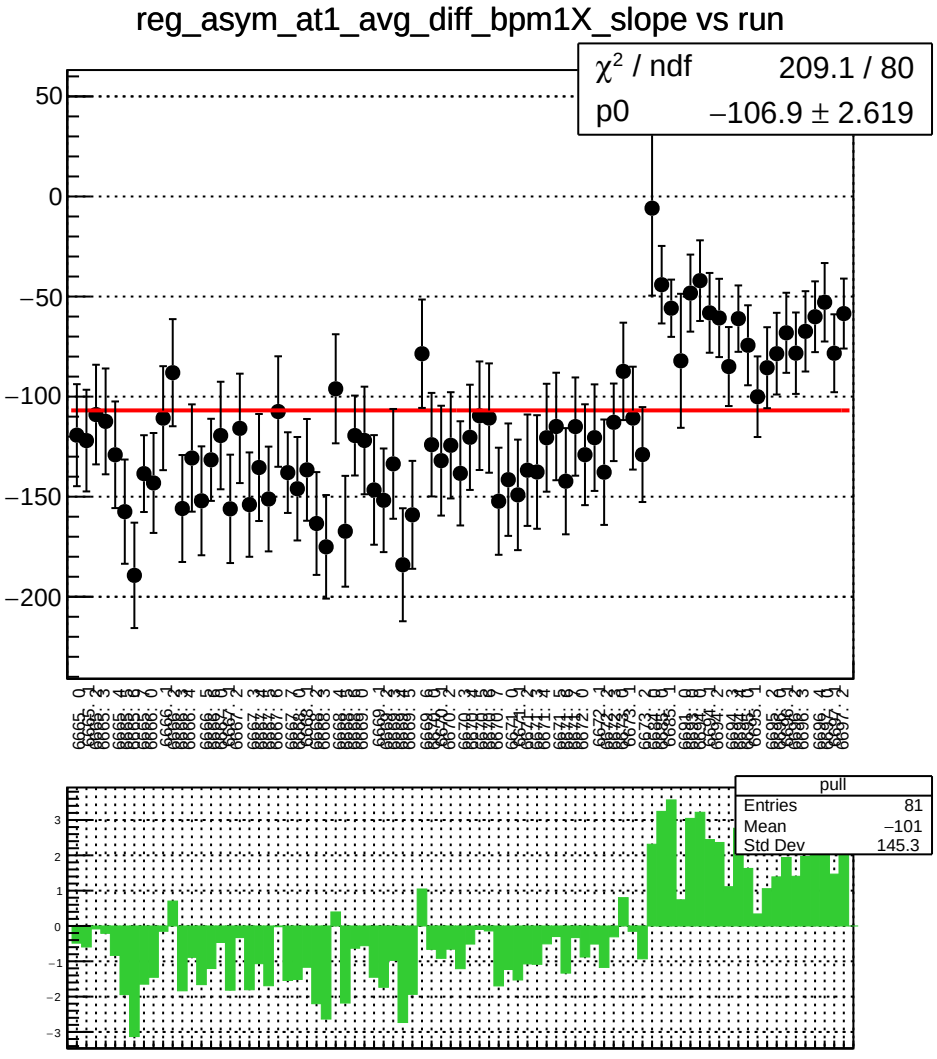

pull1D
Entries 81
Mean −0.01495
Std Dev 0.8794

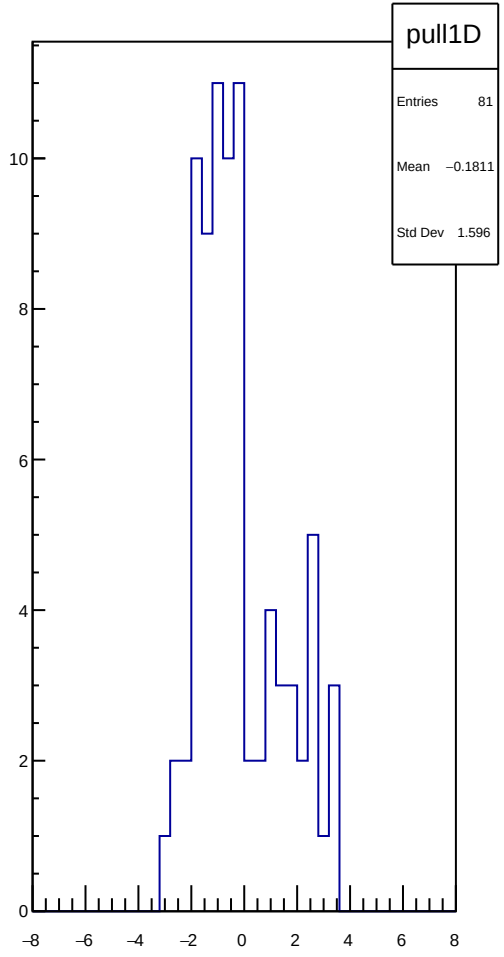

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 39.52 / 80
p0 −102.2 ± 4.203
pull
Entries 81
Mean 120.7
Std Dev 69.9

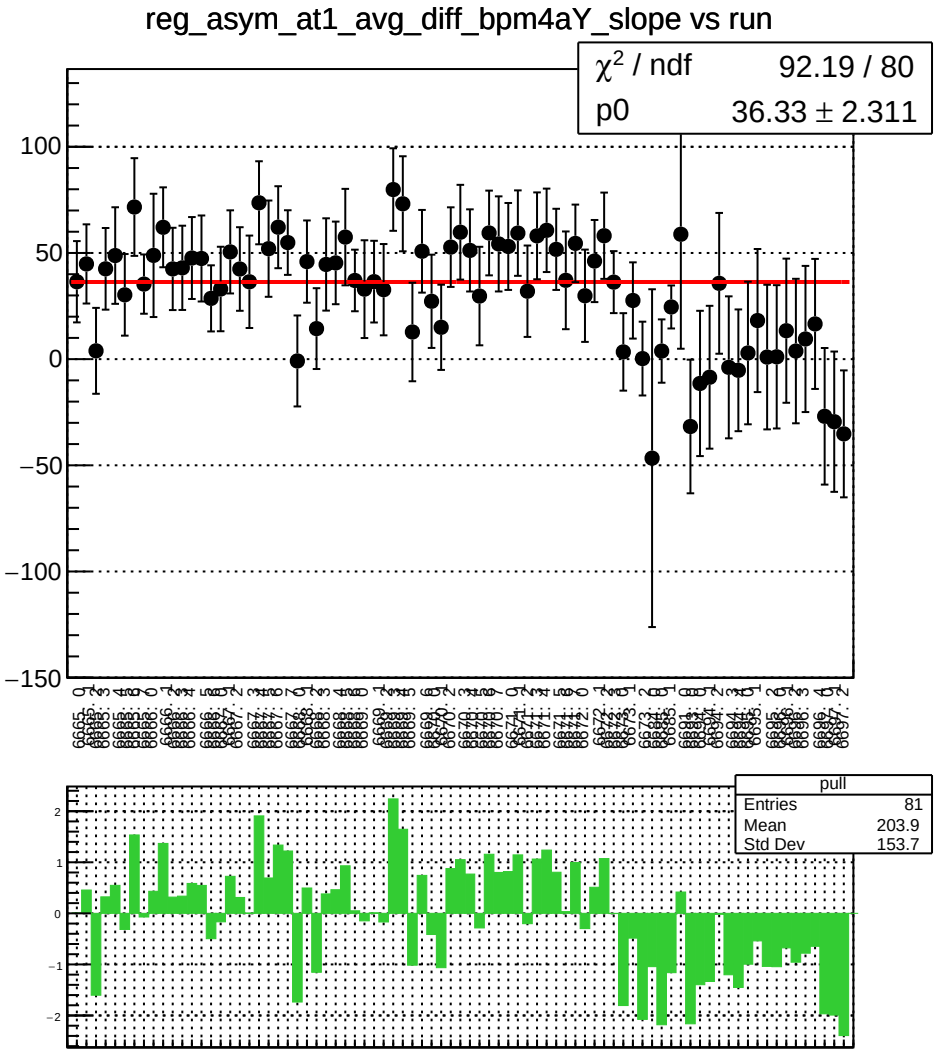

pull1D
Entries 81
Mean 0.1153
Std Dev 0.6889

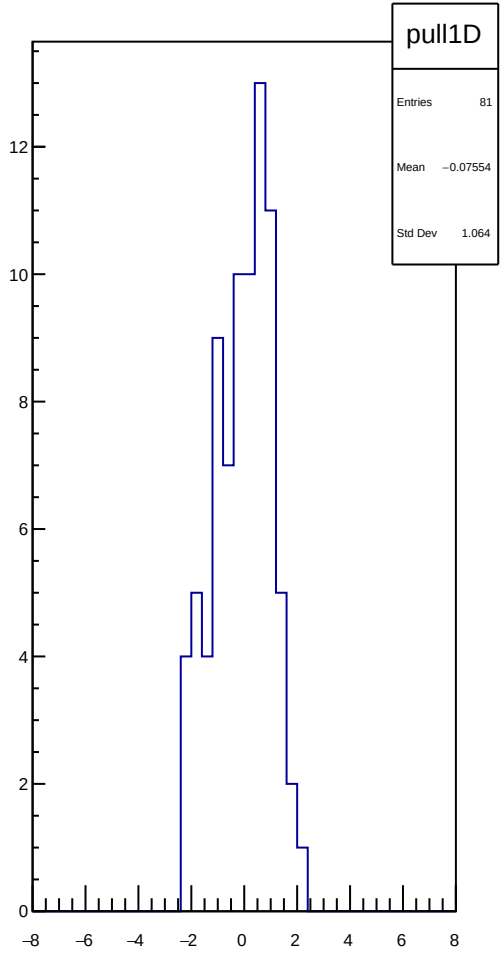

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 138.2 / 80
p0 127.6 ± 0.1866
pull
Entries 81
Mean 605.8
Std Dev 553.6

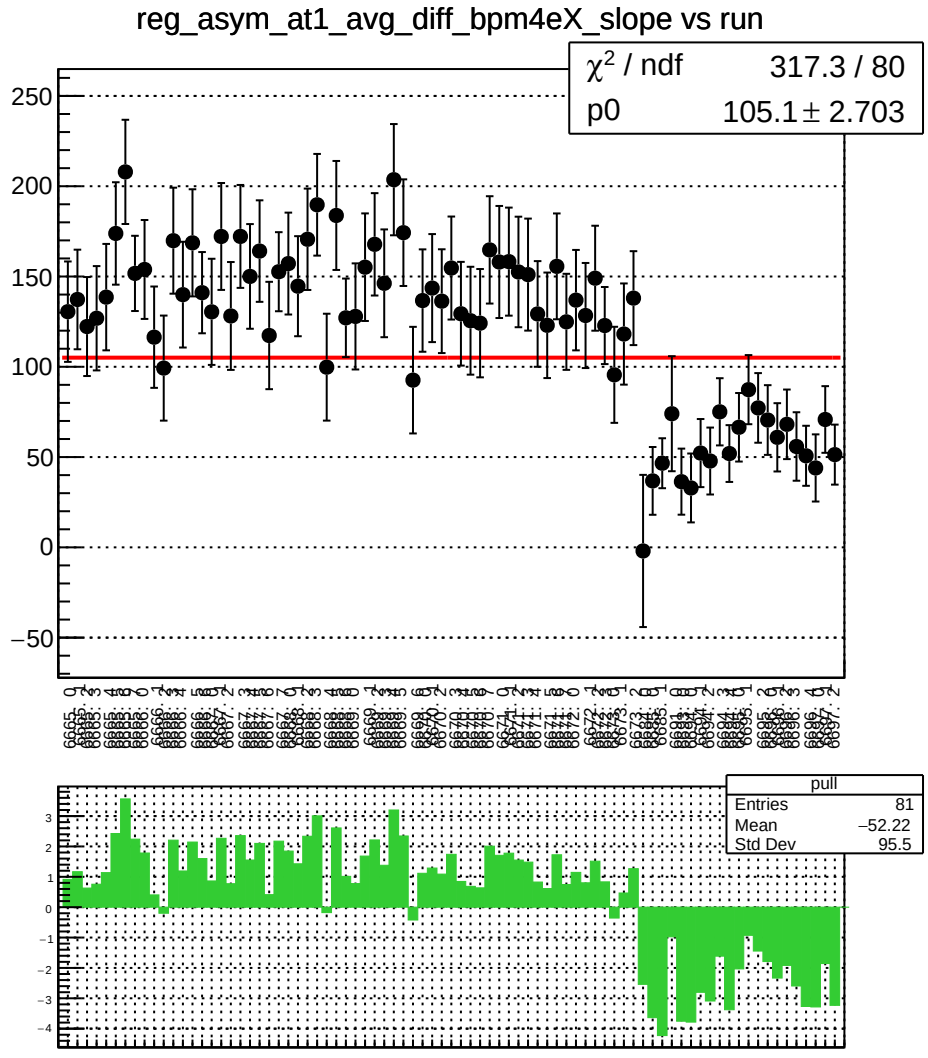

pull1D
Entries 81
Mean −0.02544
Std Dev 1.306

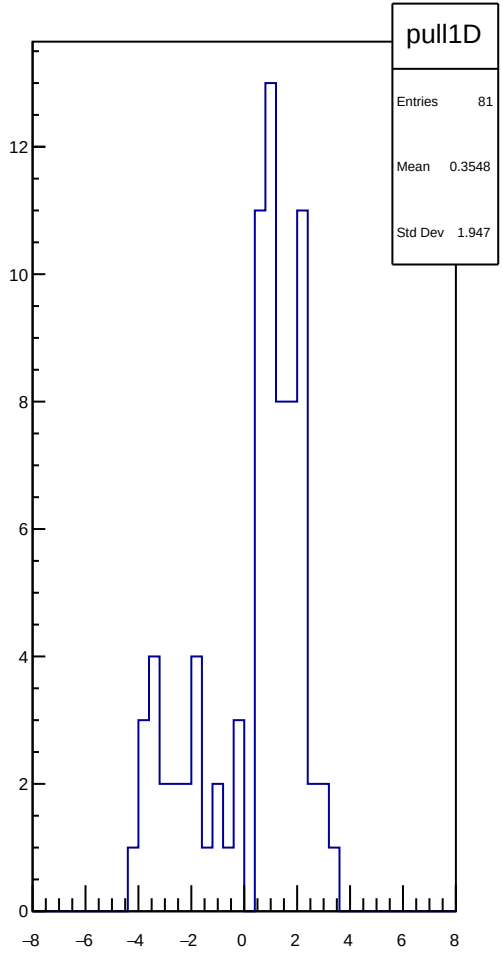

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 209.1 / 80
p0 −106.9 ± 2.619
pull
Entries 81
Mean −101
Std Dev 145.3

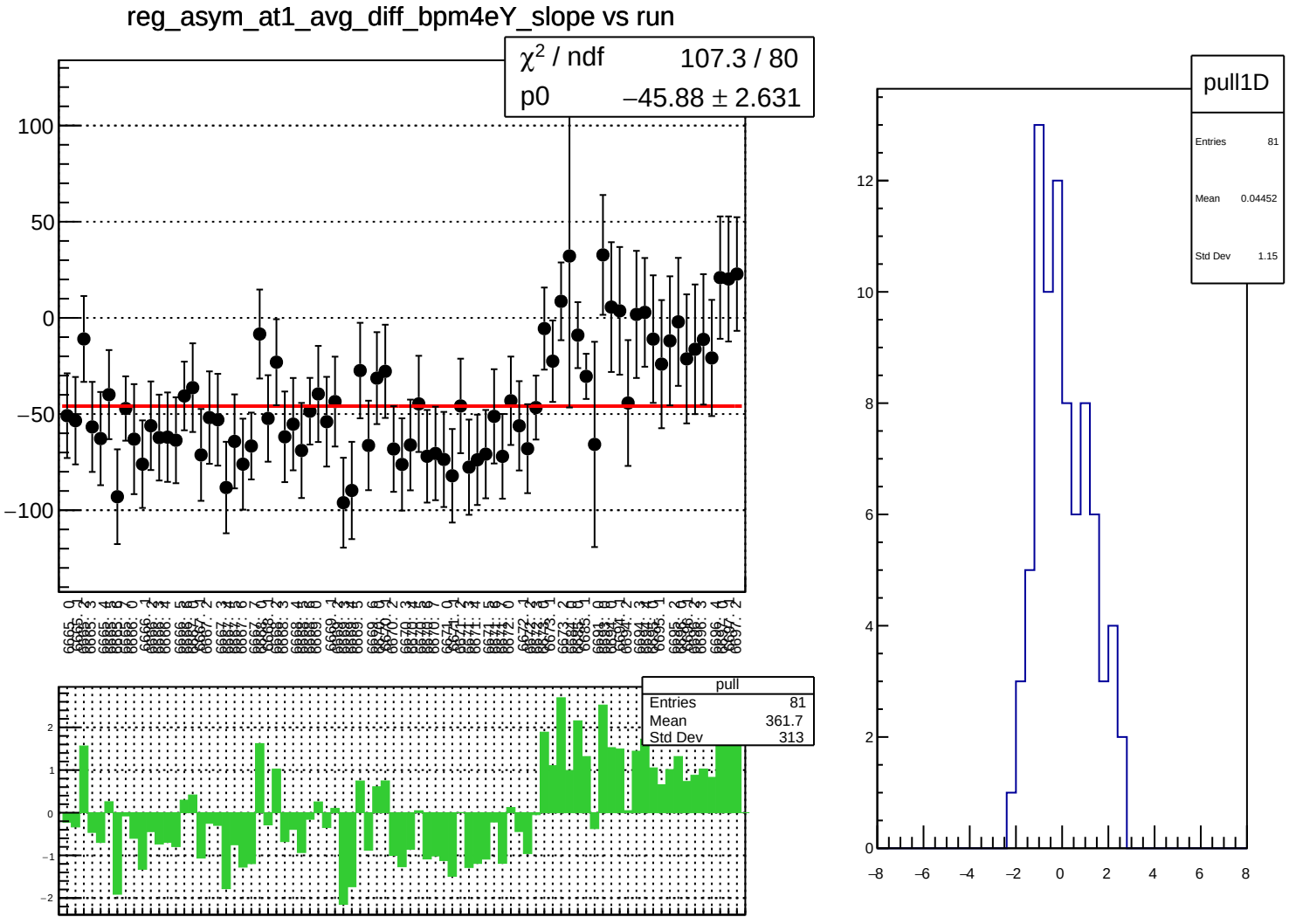

pull1D
Entries 81
Mean −0.1811
Std Dev 1.596

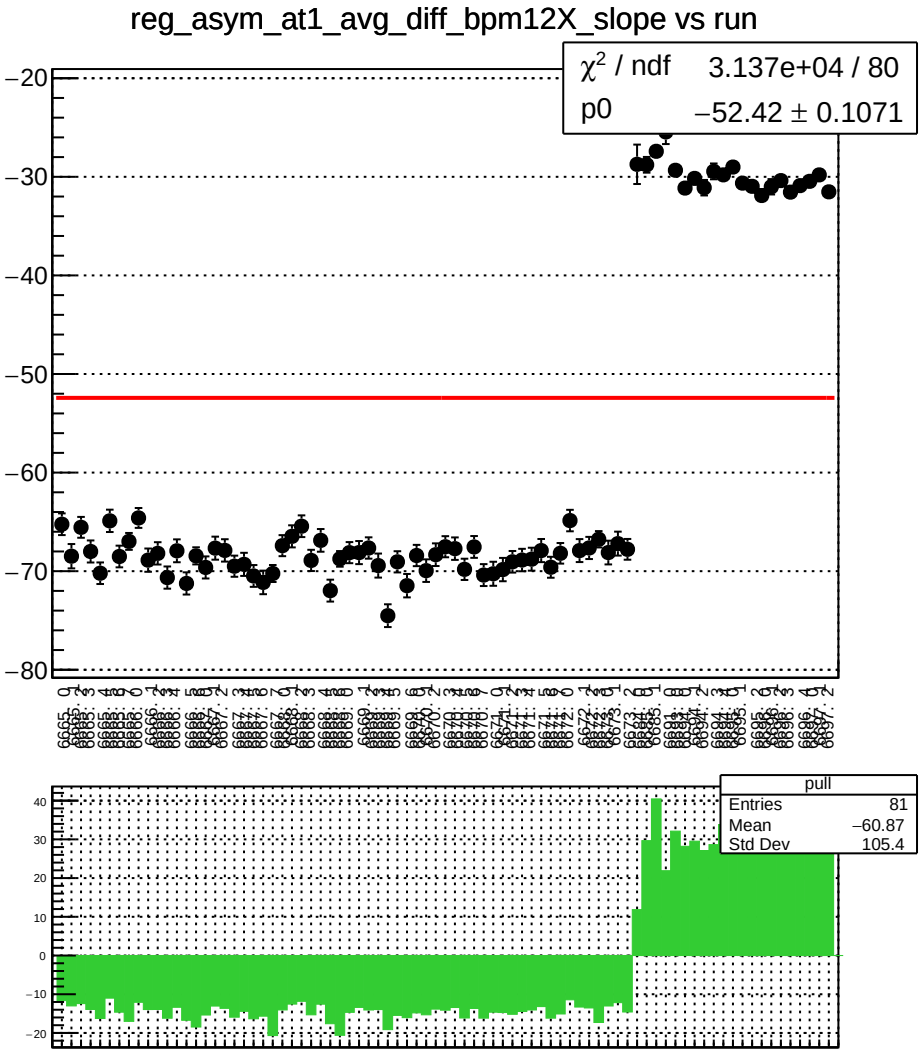

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 92.19 / 80
p0 36.33 ± 2.311
pull
Entries 81
Mean 203.9
Std Dev 153.7

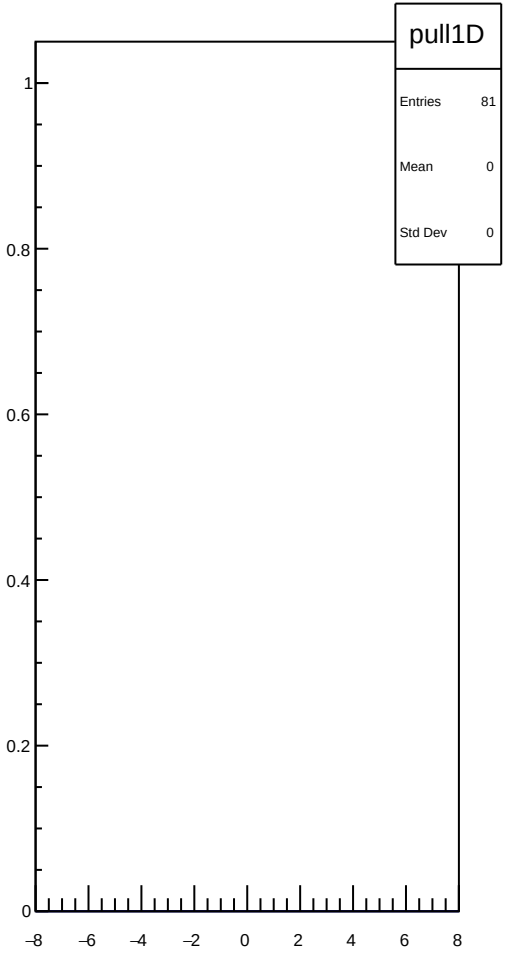

pull1D
Entries 81
Mean −0.07554
Std Dev 1.064

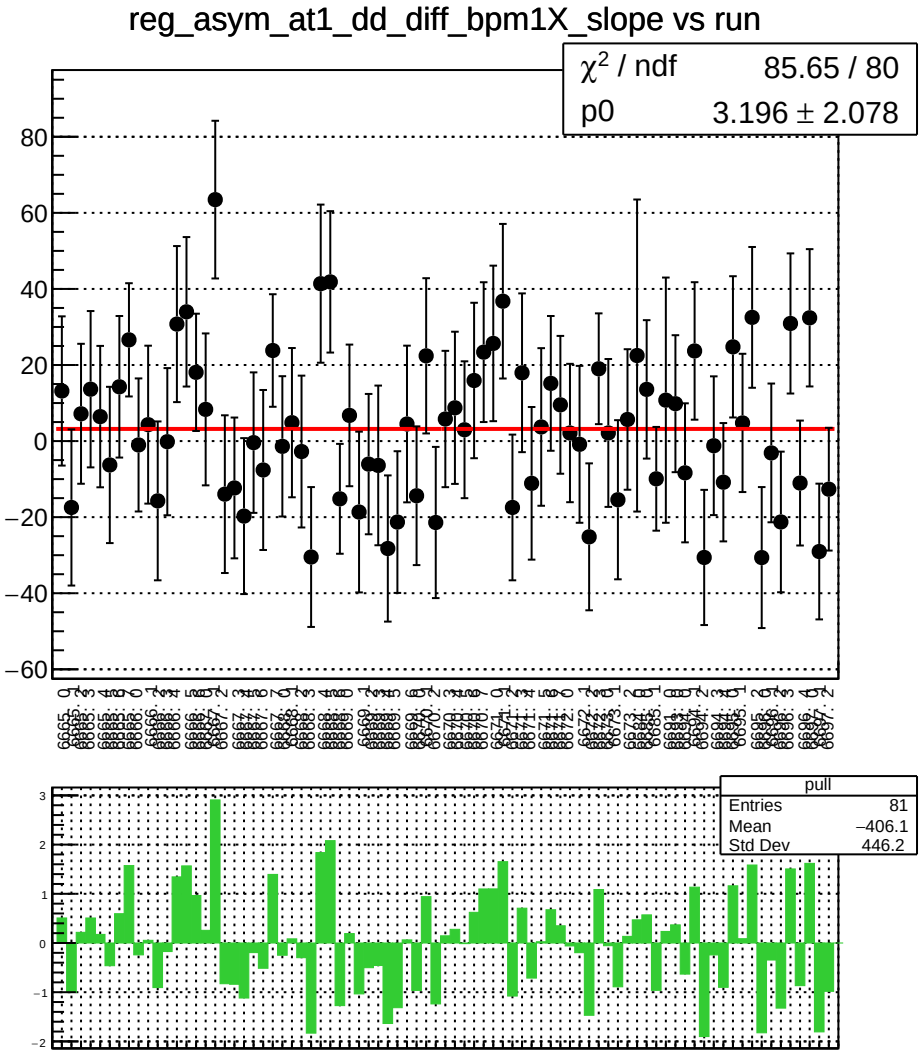

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 317.3 / 80
p0 105.1 ± 2.703
pull
Entries 81
Mean −52.22
Std Dev 95.5

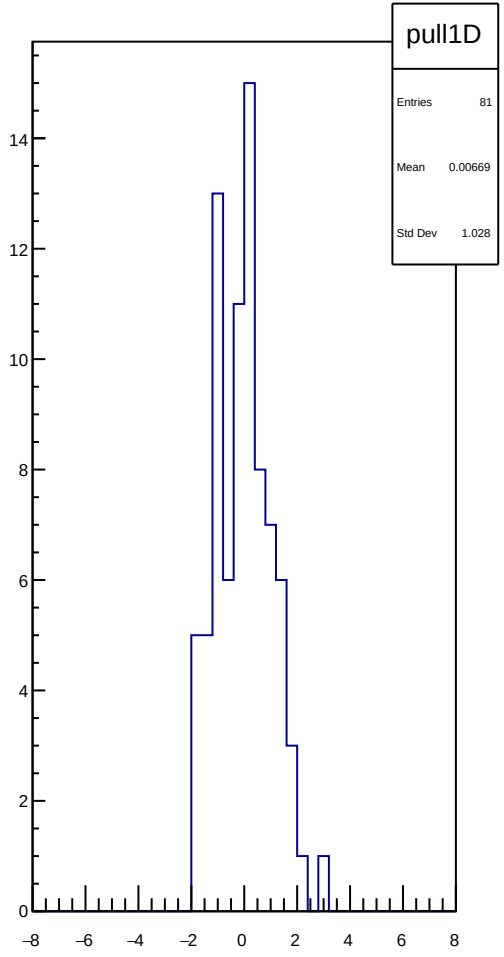

pull1D
Entries 81
Mean 0.3548
Std Dev 1.947

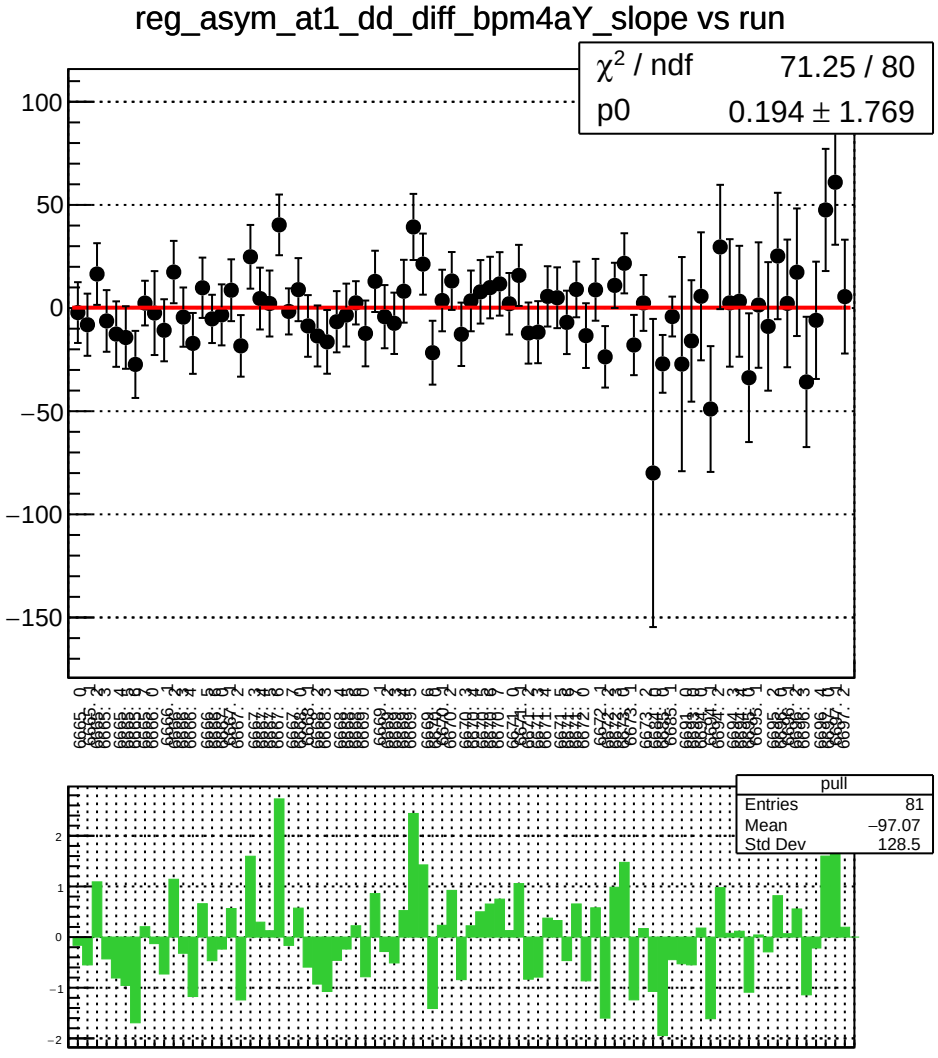

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 107.3 / 80
p0 −45.88 ± 2.631
pull
Entries 81
Mean 361.7
Std Dev 313
pull1D
Entries 81
Mean 0.04452
Std Dev 1.15

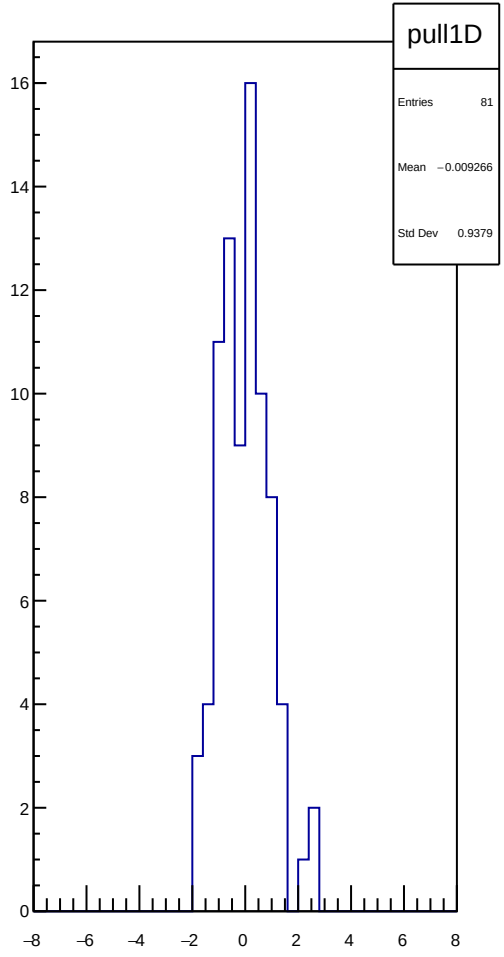

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.137e+04 / 80
p0 −52.42 ± 0.1071
pull
Entries 81
Mean −60.87
Std Dev 105.4

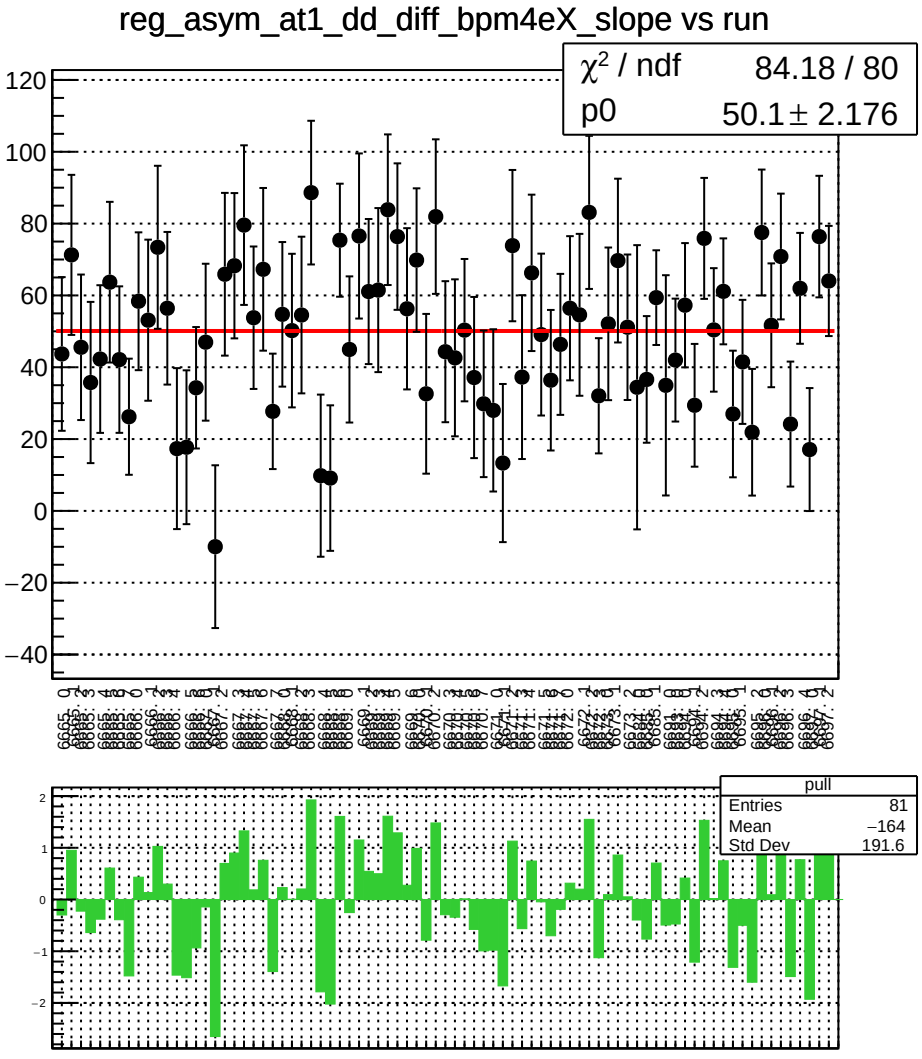

pull1D
Entries 81
Mean 0
Std Dev 0

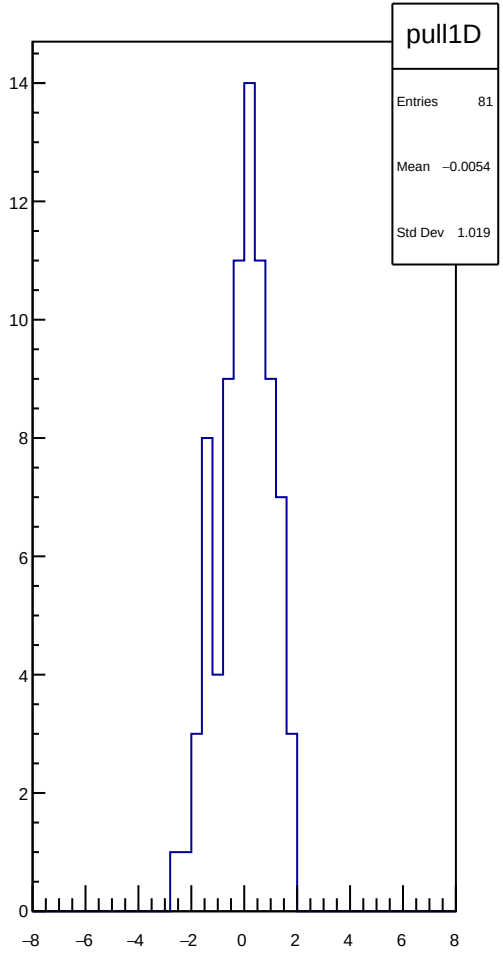

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 85.65 / 80
p0 3.196 ± 2.078
pull
Entries 81
Mean −406.1
Std Dev 446.2

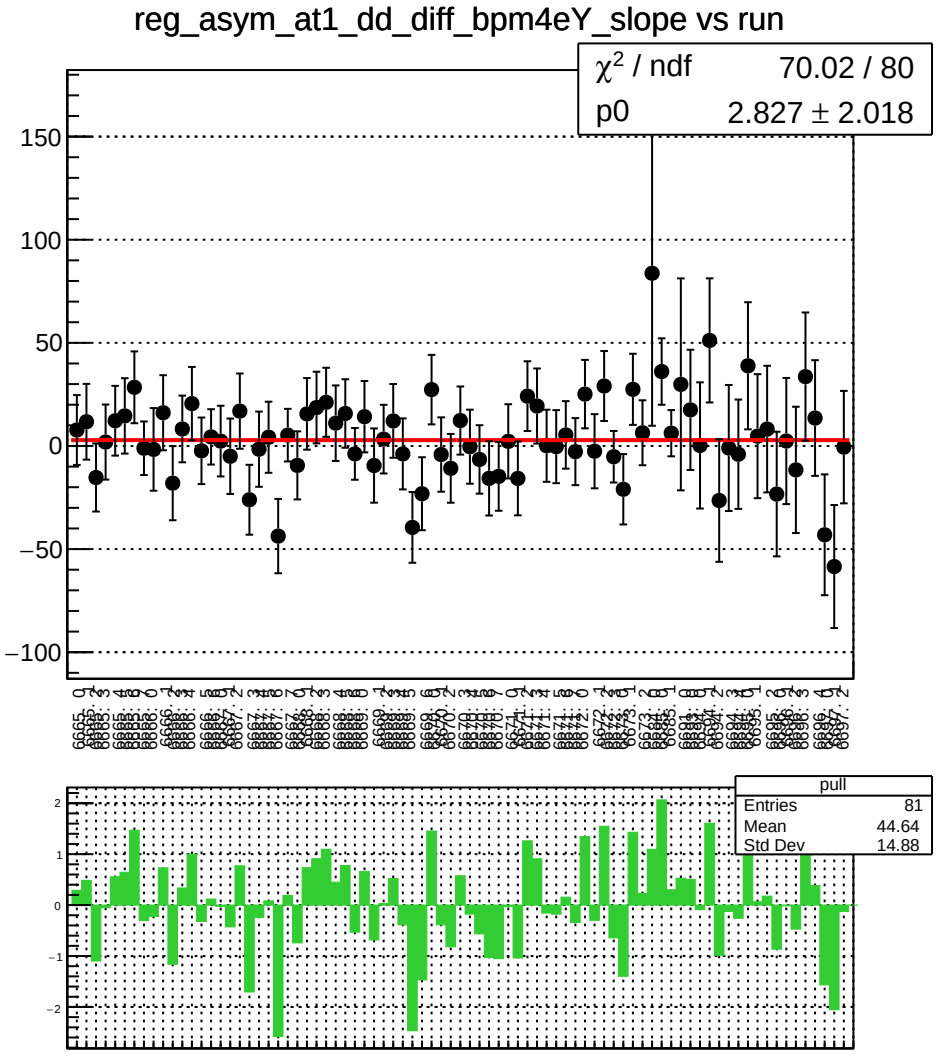

pull1D
Entries 81
Mean 0.00669
Std Dev 1.028

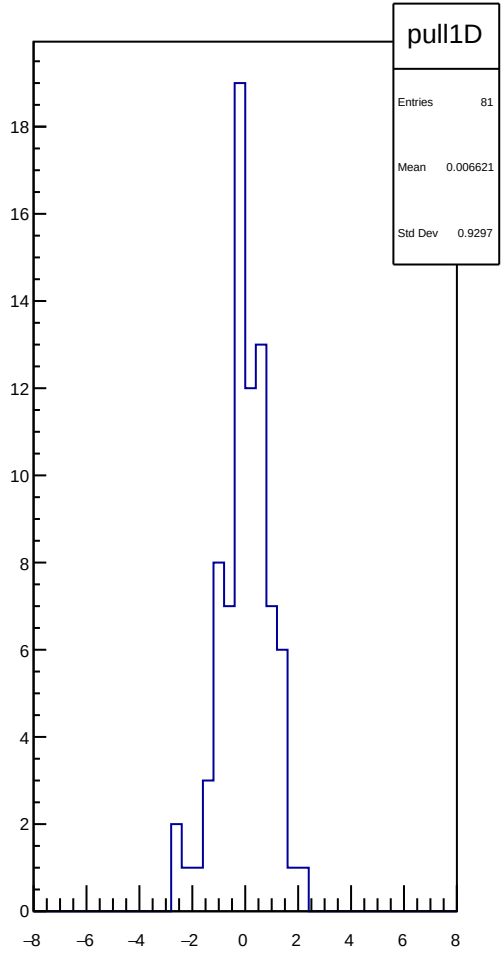

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 71.25 / 80
p0 0.194 ± 1.769
pull
Entries 81
Mean −97.07
Std Dev 128.5

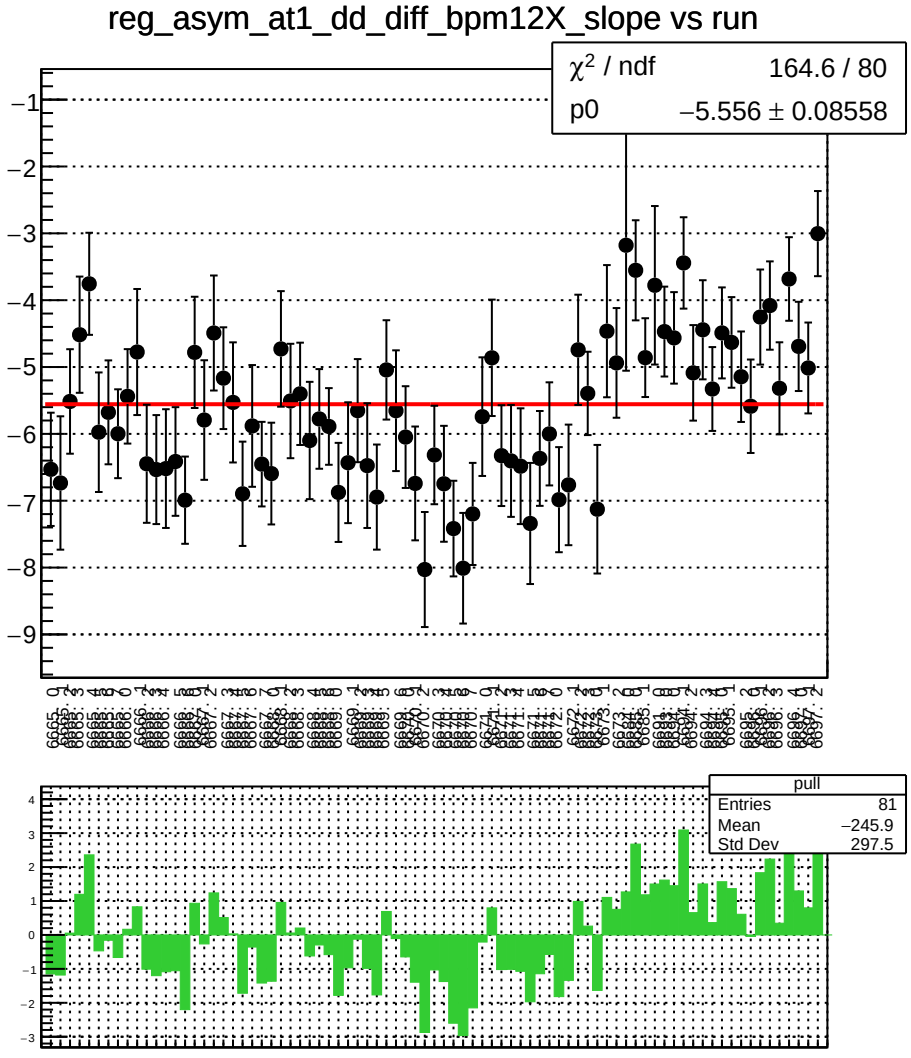

pull1D
Entries 81
Mean −0.009266
Std Dev 0.9379

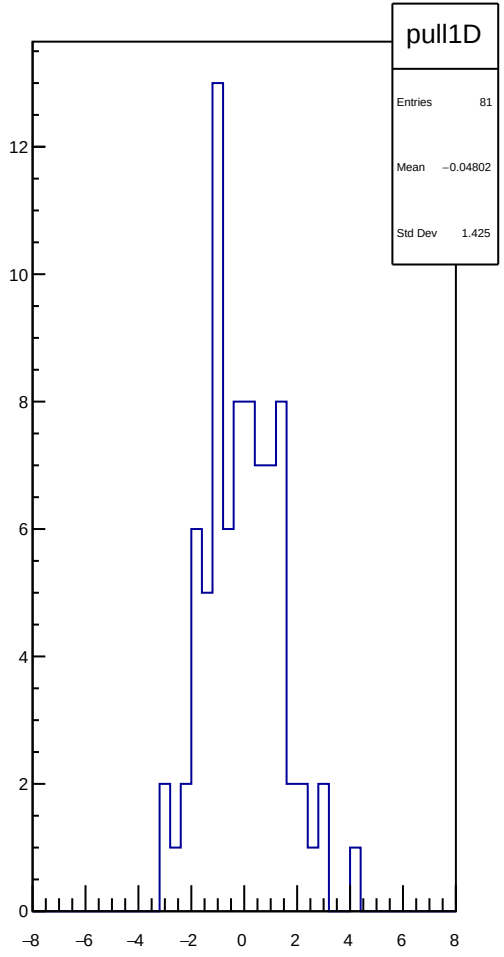

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.18 / 80
p0 50.1 ± 2.176
pull
Entries 81
Mean −164
Std Dev 191.6

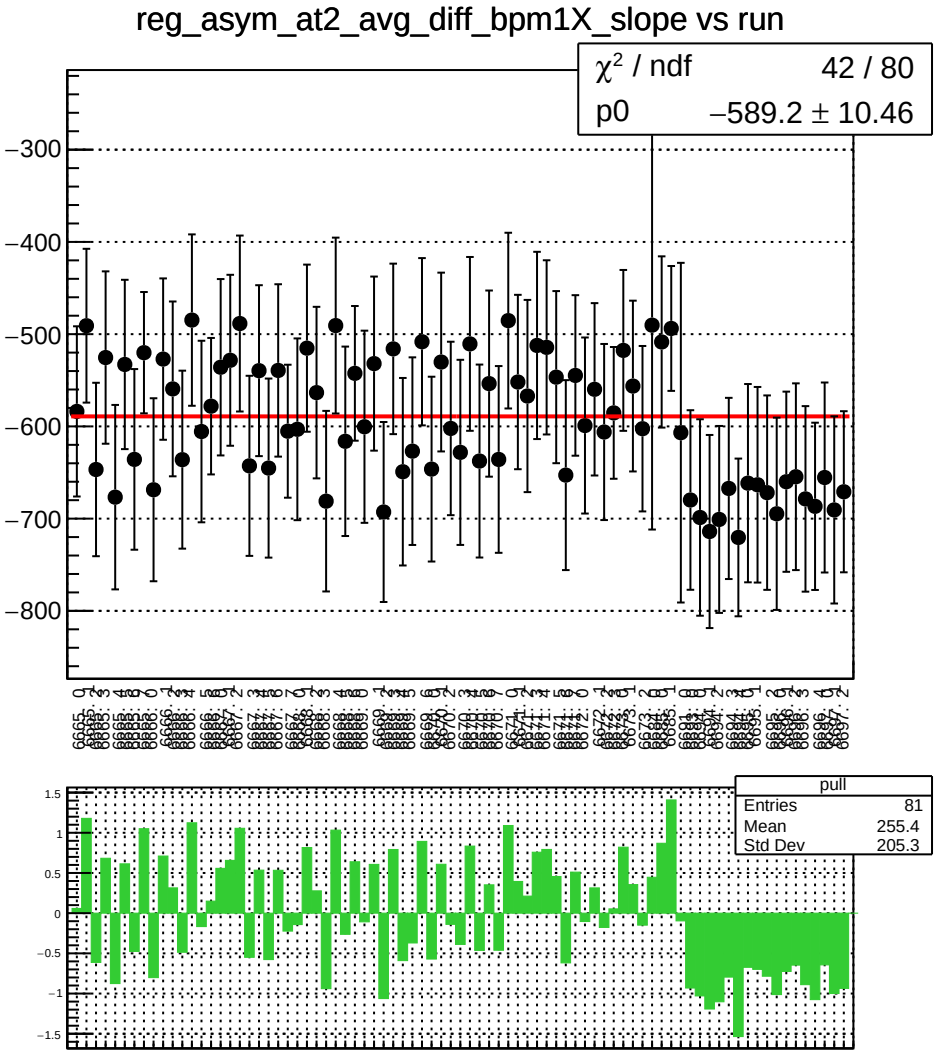

pull1D
Entries 81
Mean −0.0054
Std Dev 1.019

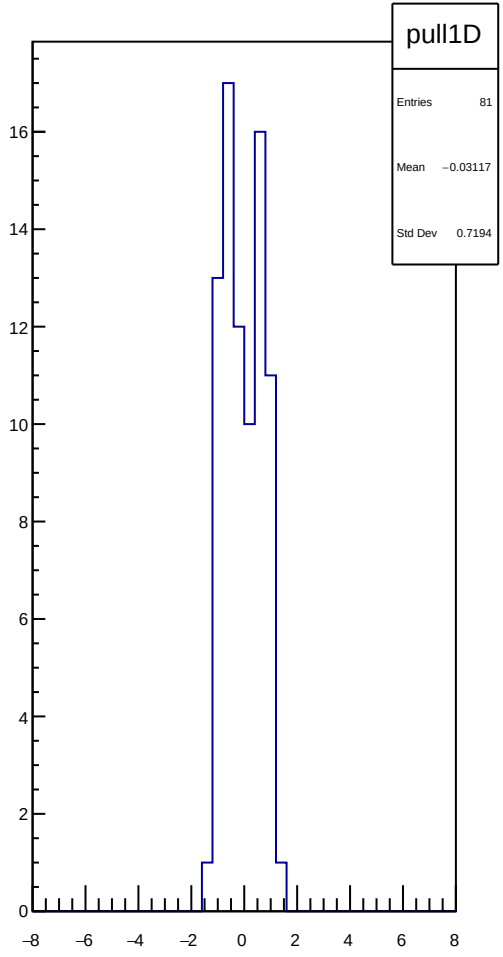

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ2 / ndf 70.02 / 80
p0 2.827 ± 2.018
150
100
50
0
−50
−100
pull
Entries 81
Mean 44.64
Std Dev 14.88
2
1
0
−1
−2

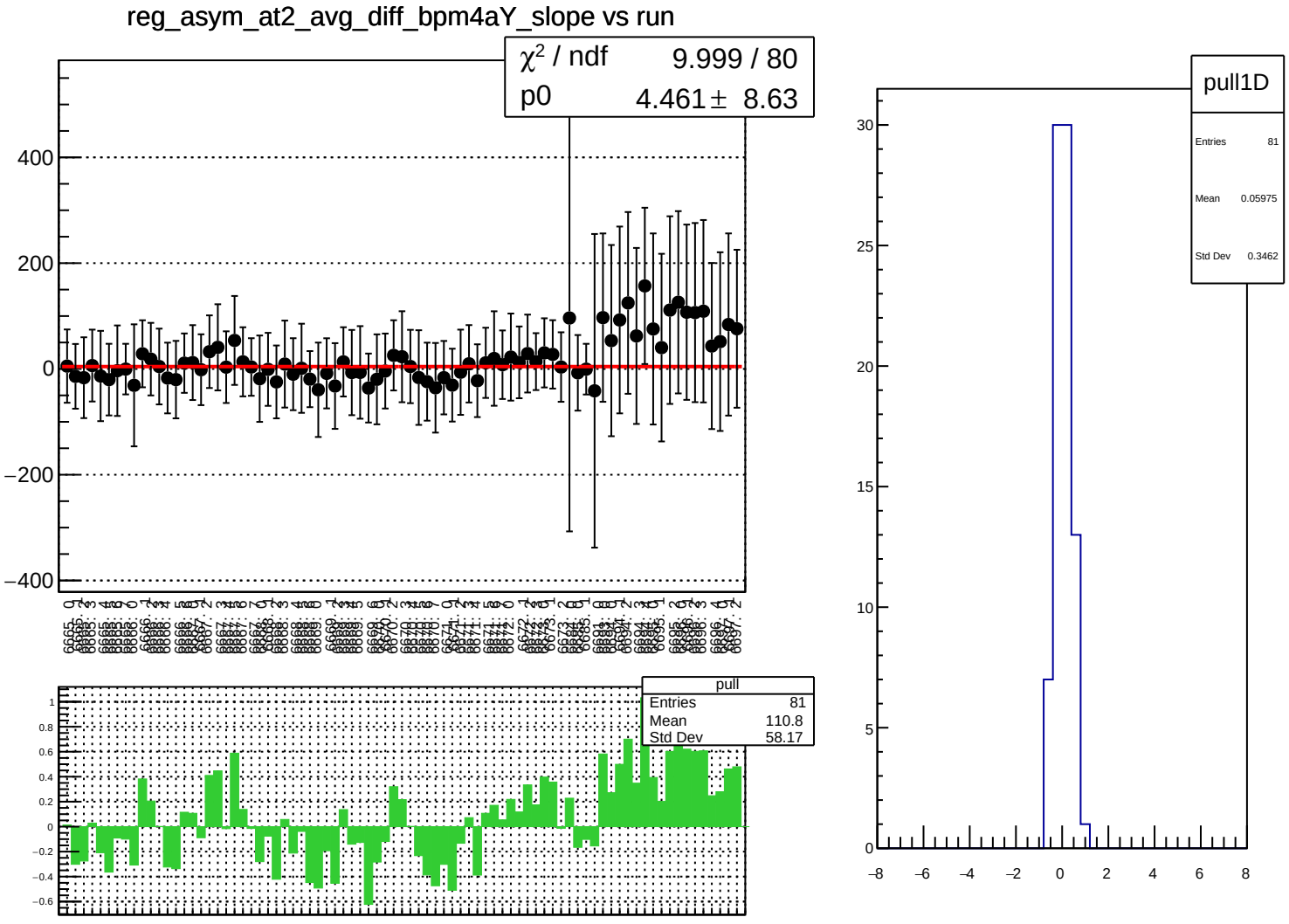

pull1D
Entries 81
Mean 0.006621
Std Dev 0.9297
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

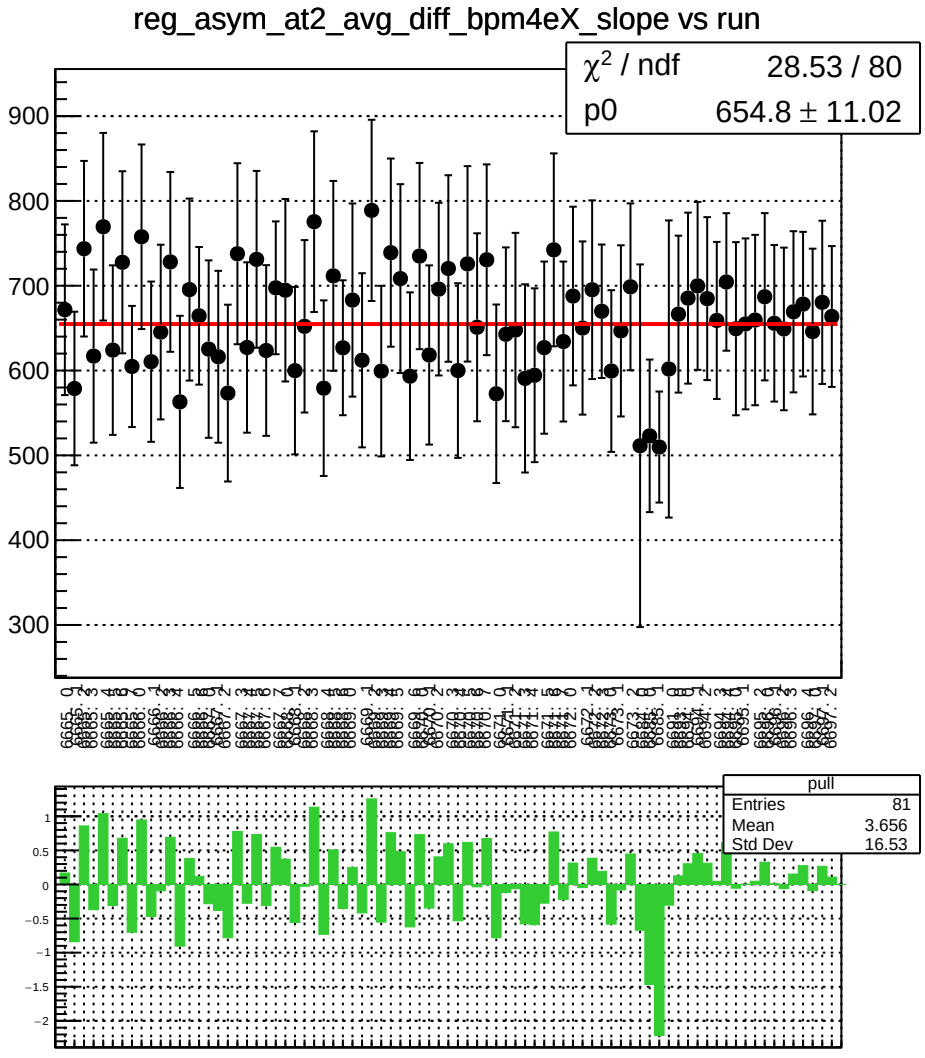

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 164.6 / 80
p0 −5.556 ± 0.08558
pull
Entries 81
Mean −245.9
Std Dev 297.5

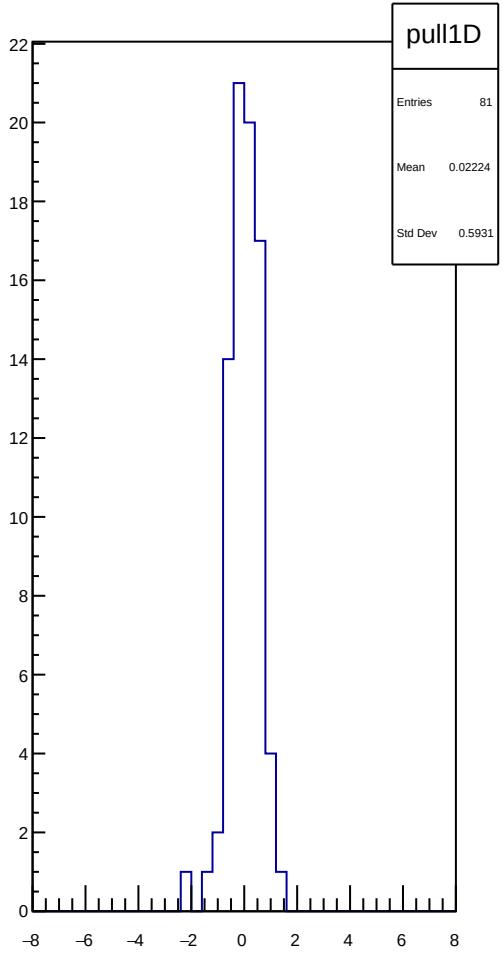

pull1D
Entries 81
Mean −0.04802
Std Dev 1.425

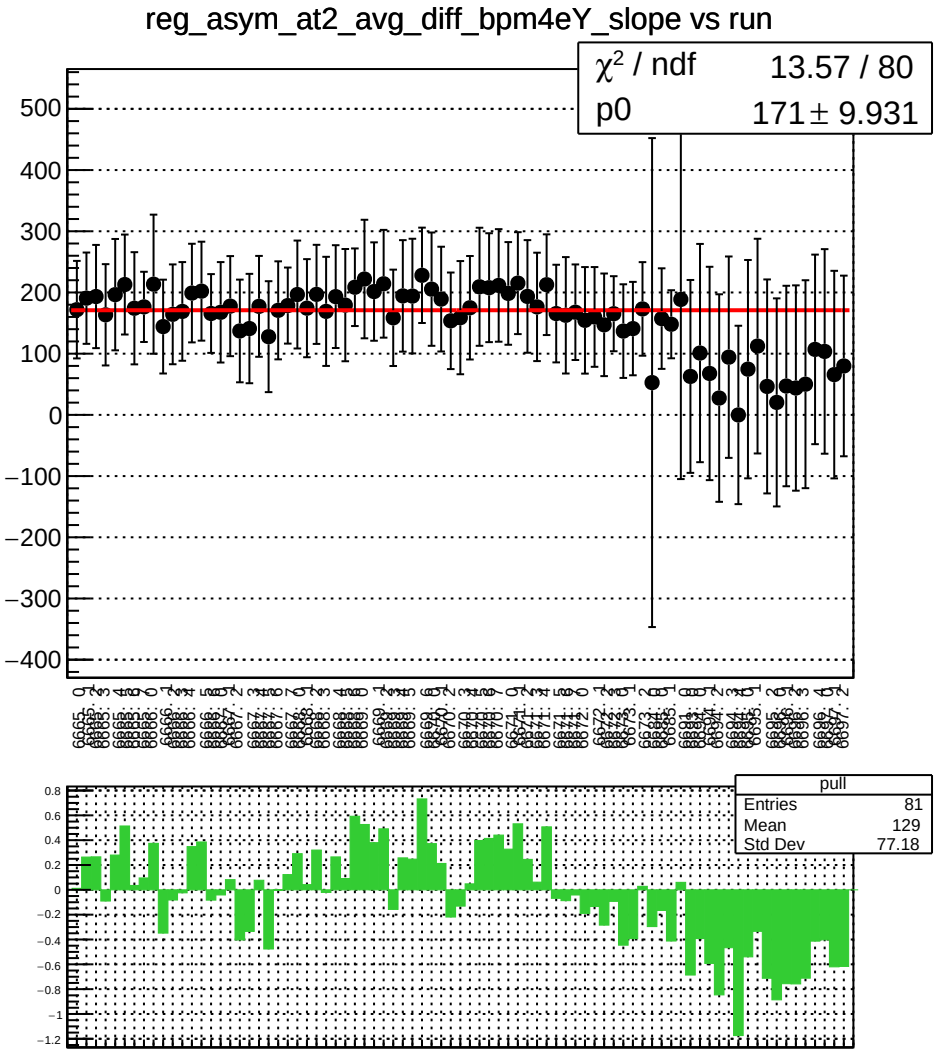

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 42 / 80
p0 −589.2 ± 10.46
pull
Entries 81
Mean 255.4
Std Dev 205.3

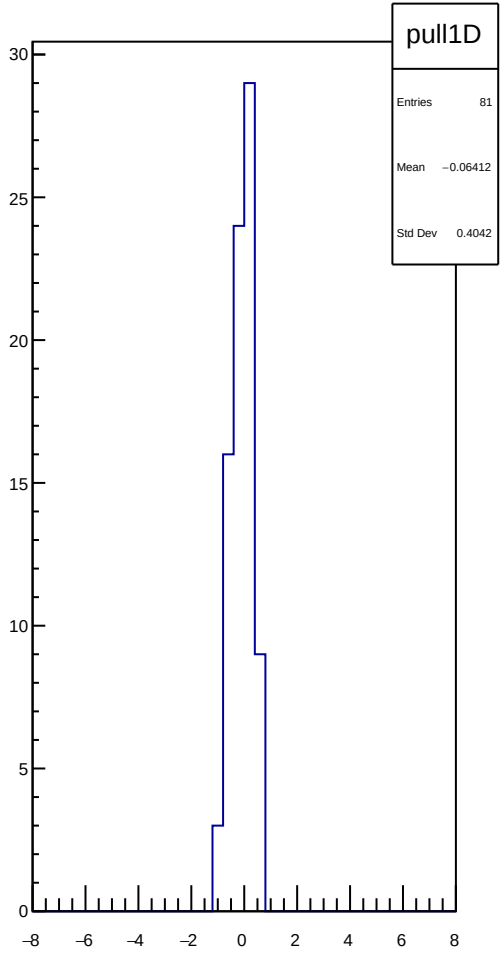

pull1D
Entries 81
Mean −0.03117
Std Dev 0.7194

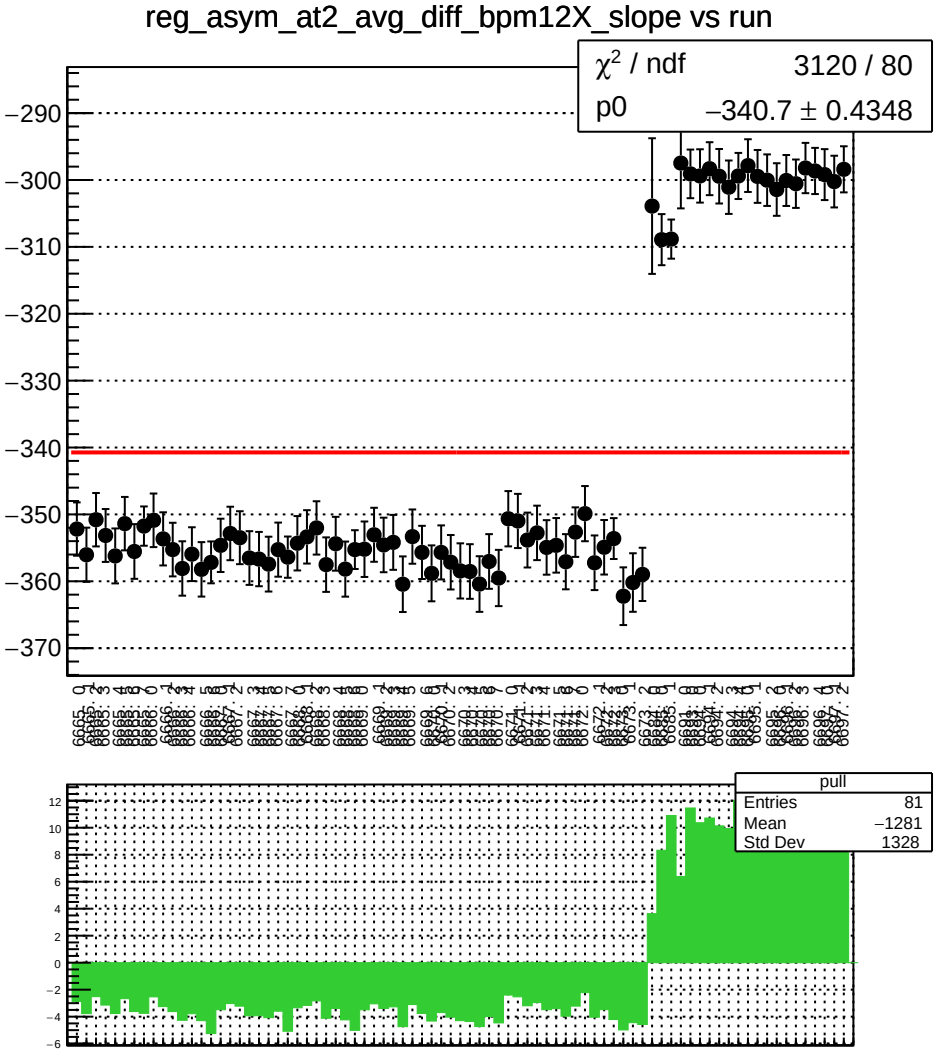

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ2 / ndf 9.999 / 80
p0 4.461 ± 8.63
400
200
0
−200
−400
pull
Entries 81
Mean 110.8
Std Dev 58.17
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 81
Mean 0.05975
Std Dev 0.3462
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

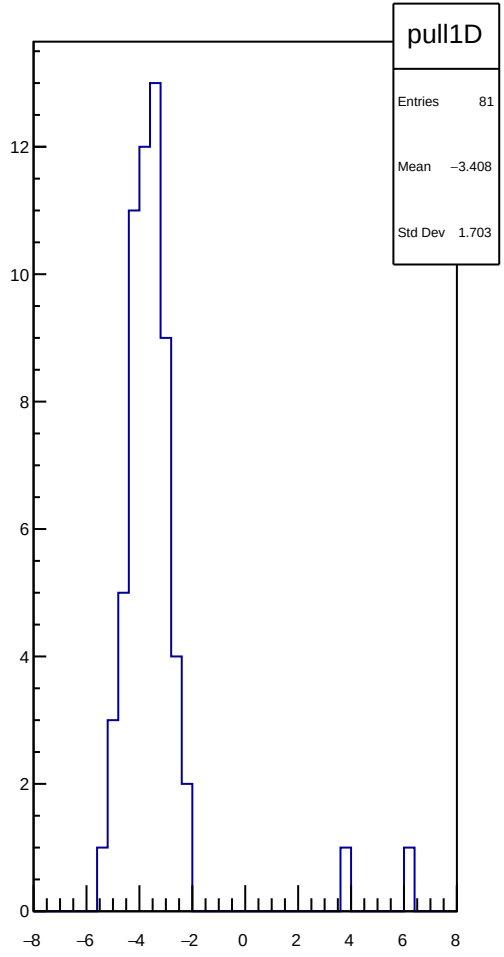

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.53 / 80
p0 654.8 ± 11.02
pull
Entries 81
Mean 3.656
Std Dev 16.53

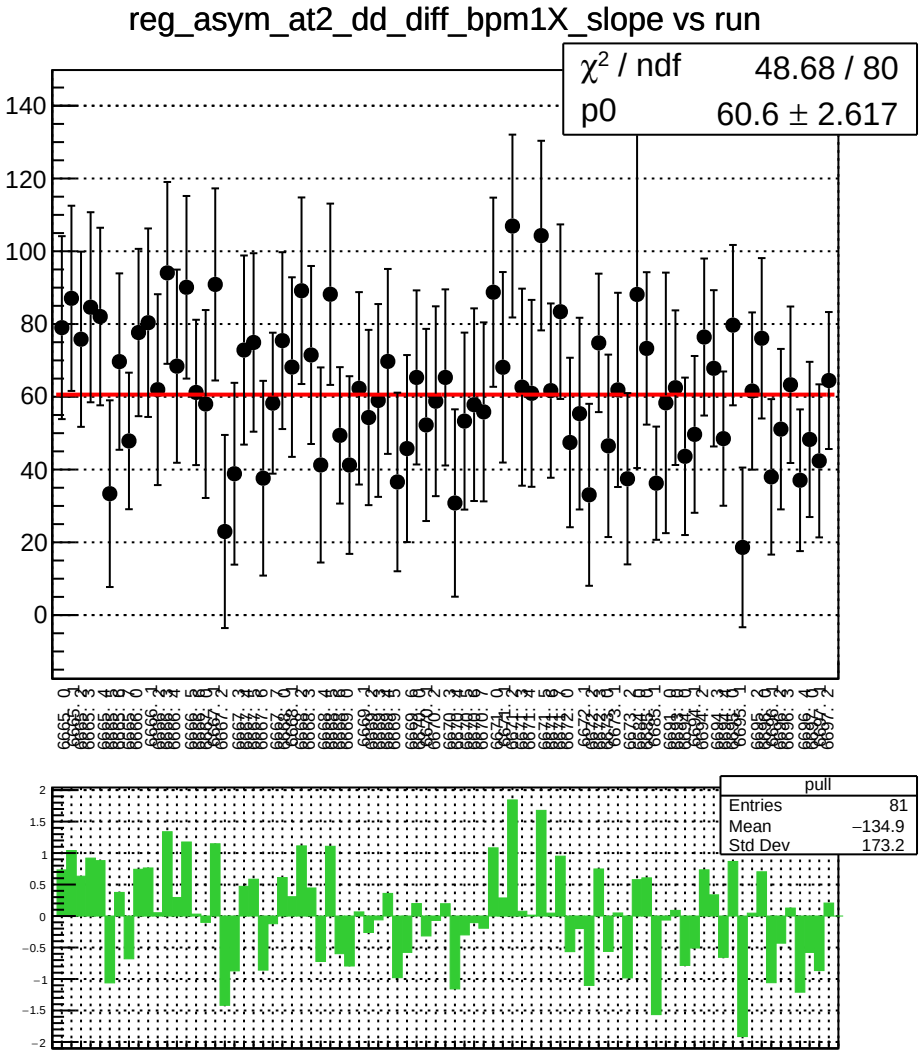

pull1D
Entries 81
Mean 0.02224
Std Dev 0.5931

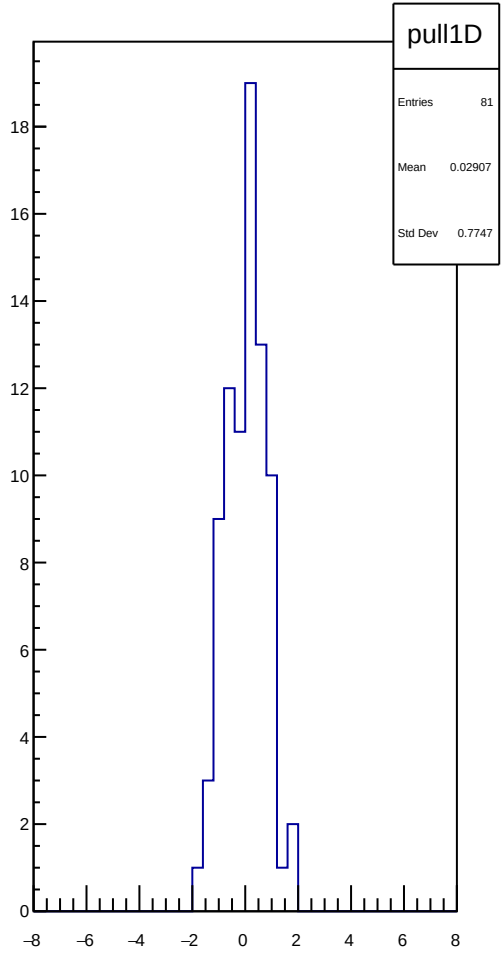

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 80
p0 171 ± 9.931
pull
Entries 81
Mean 129
Std Dev 77.18

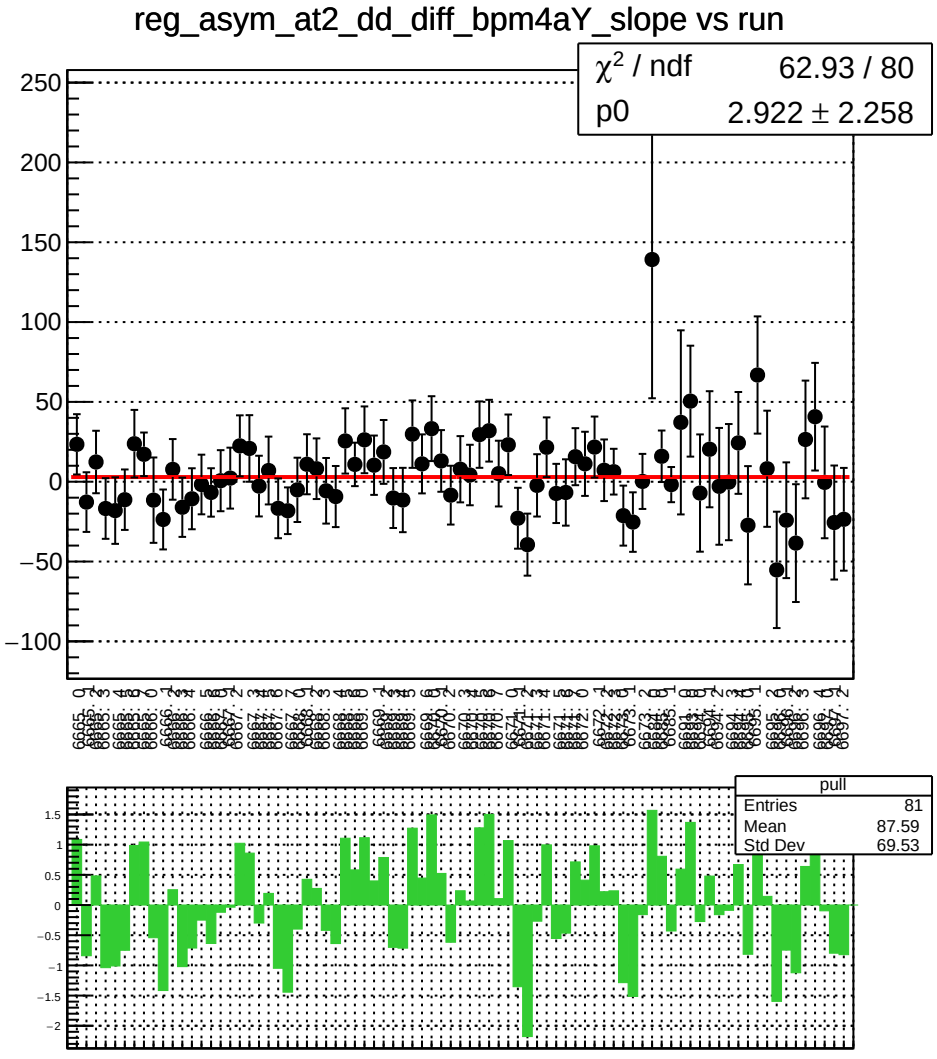

pull1D
Entries 81
Mean −0.06412
Std Dev 0.4042

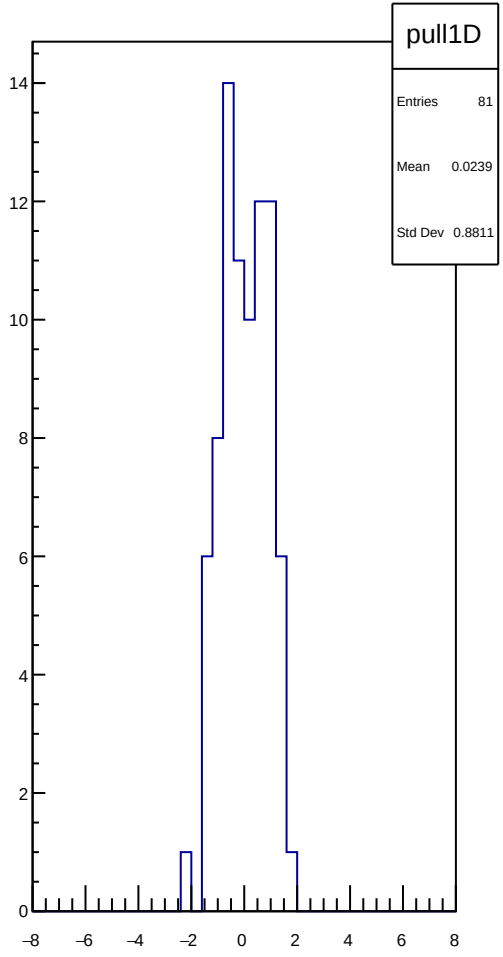

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3120 / 80
p0 −340.7 ± 0.4348
pull
Entries 81
Mean −1281
Std Dev 1328

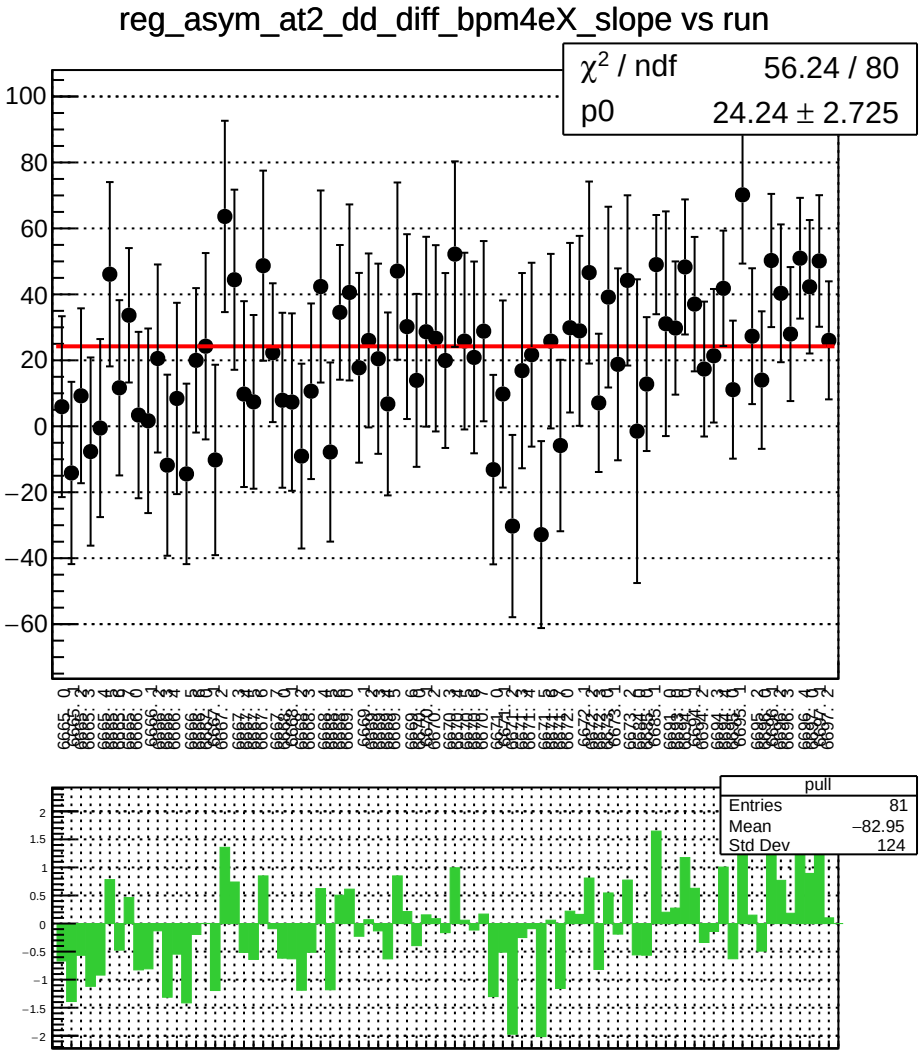

pull1D
Entries 81
Mean −3.408
Std Dev 1.703

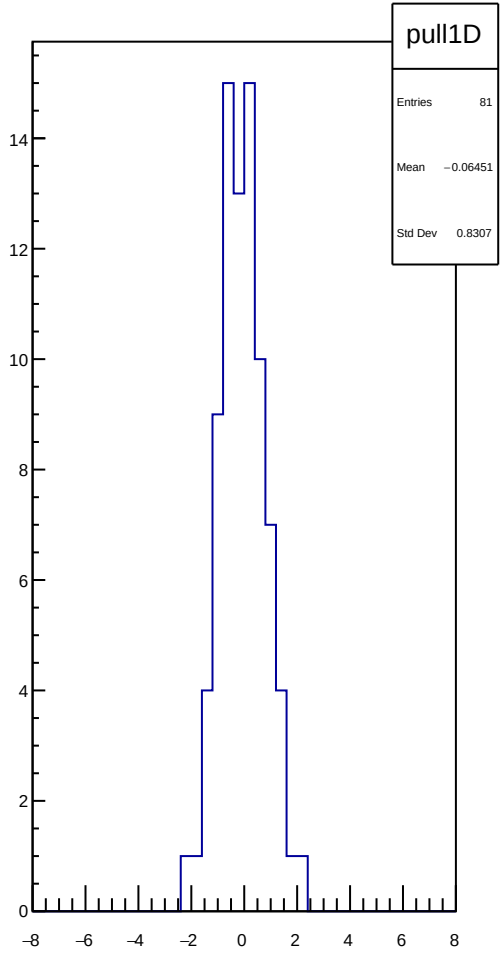

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 48.68 / 80
p0 60.6 ± 2.617
pull
Entries 81
Mean −134.9
Std Dev 173.2

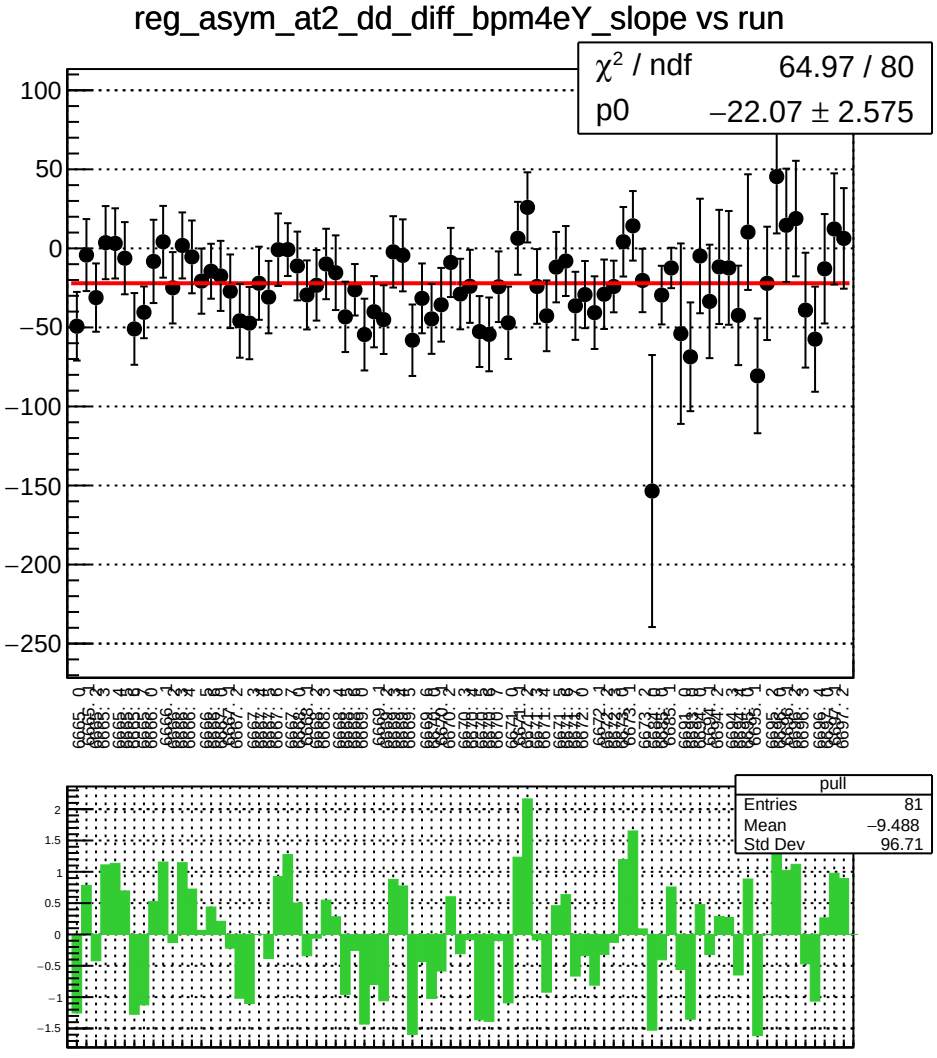

pull1D
Entries 81
Mean 0.02907
Std Dev 0.7747

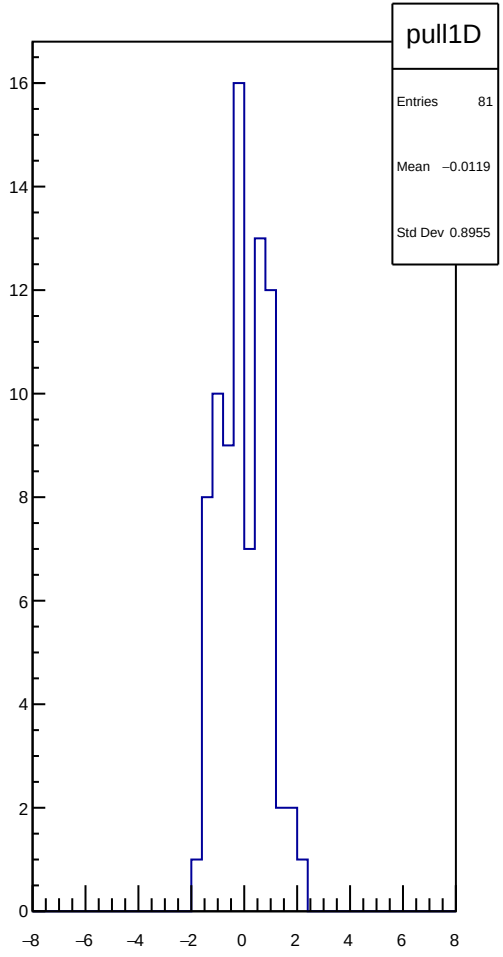

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.93 / 80
p0 2.922 ± 2.258
pull
Entries 81
Mean 87.59
Std Dev 69.53

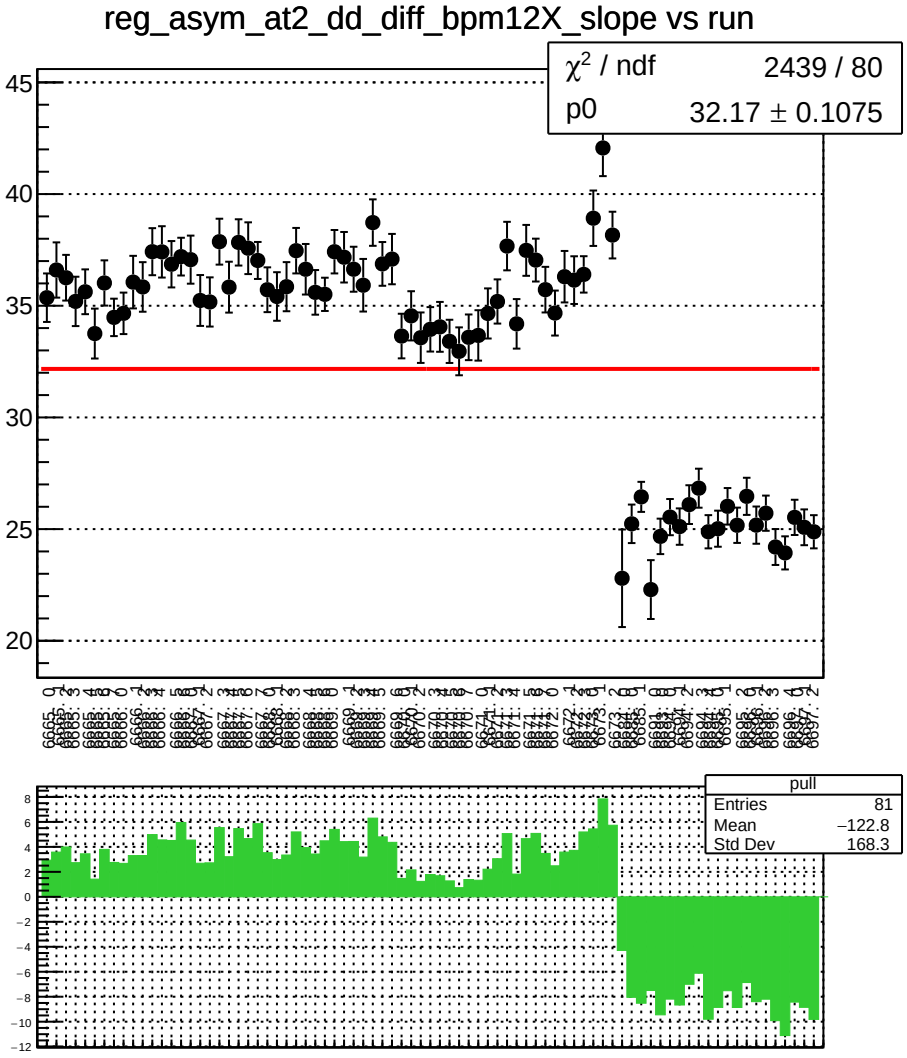

pull1D
Entries 81
Mean 0.0239
Std Dev 0.8811

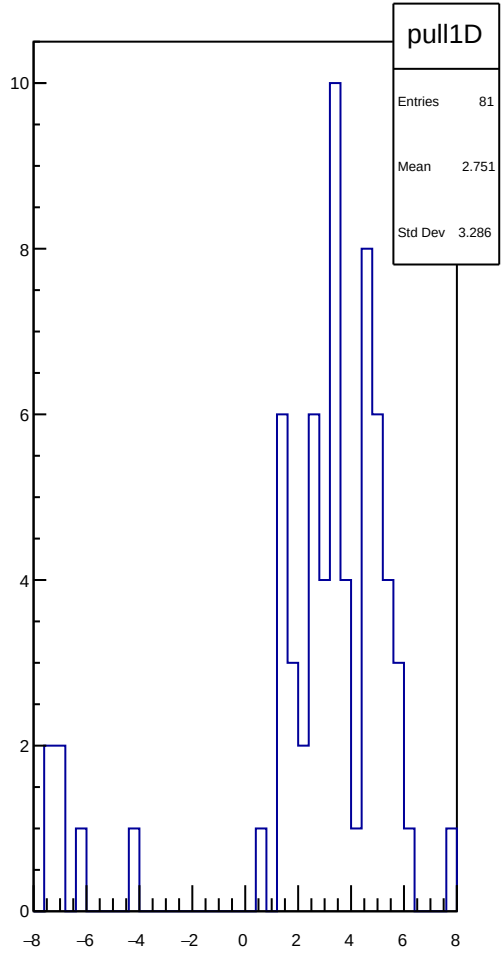

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.24 / 80
p0 24.24 ± 2.725
pull
Entries 81
Mean −82.95
Std Dev 124

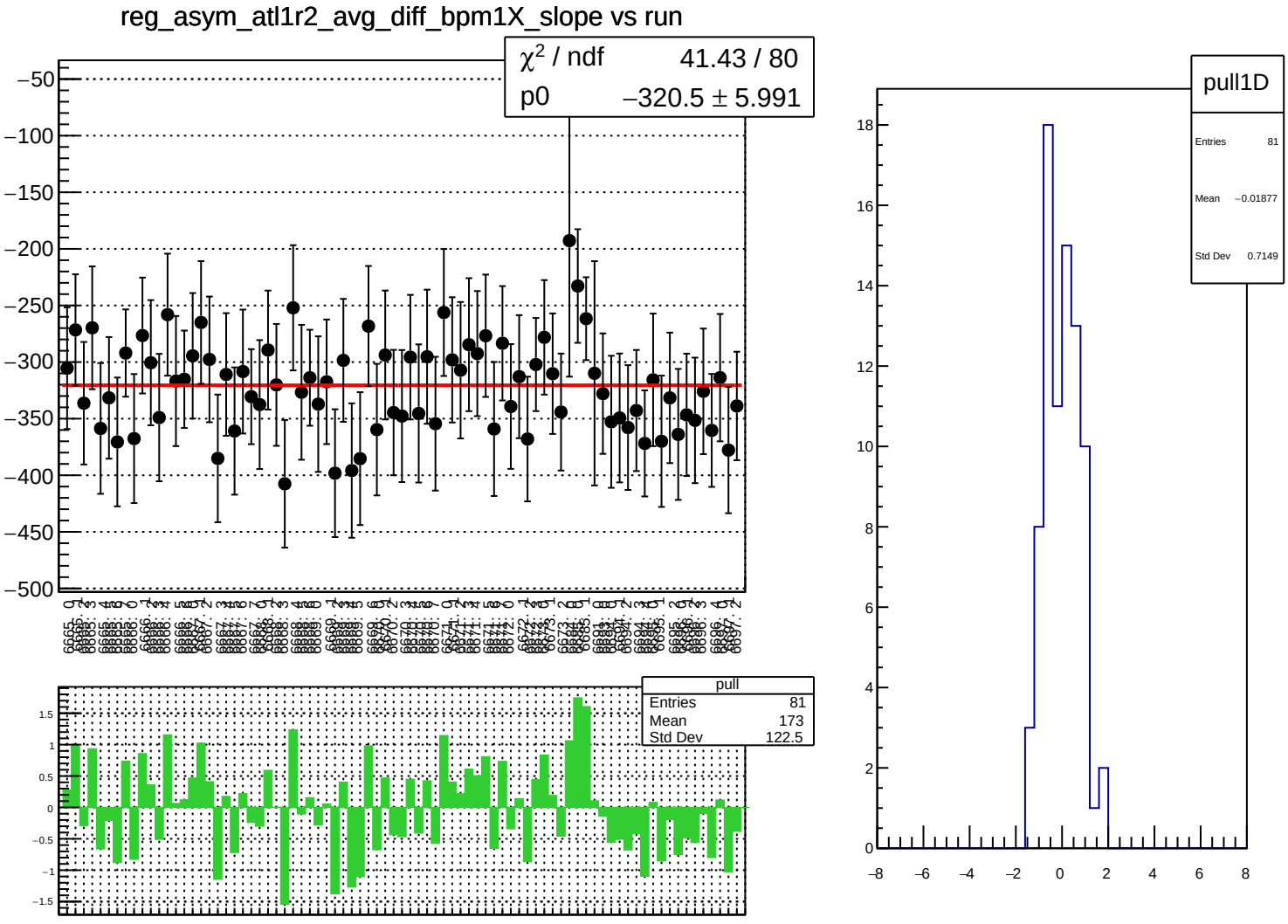

pull1D
Entries 81
Mean −0.06451
Std Dev 0.8307

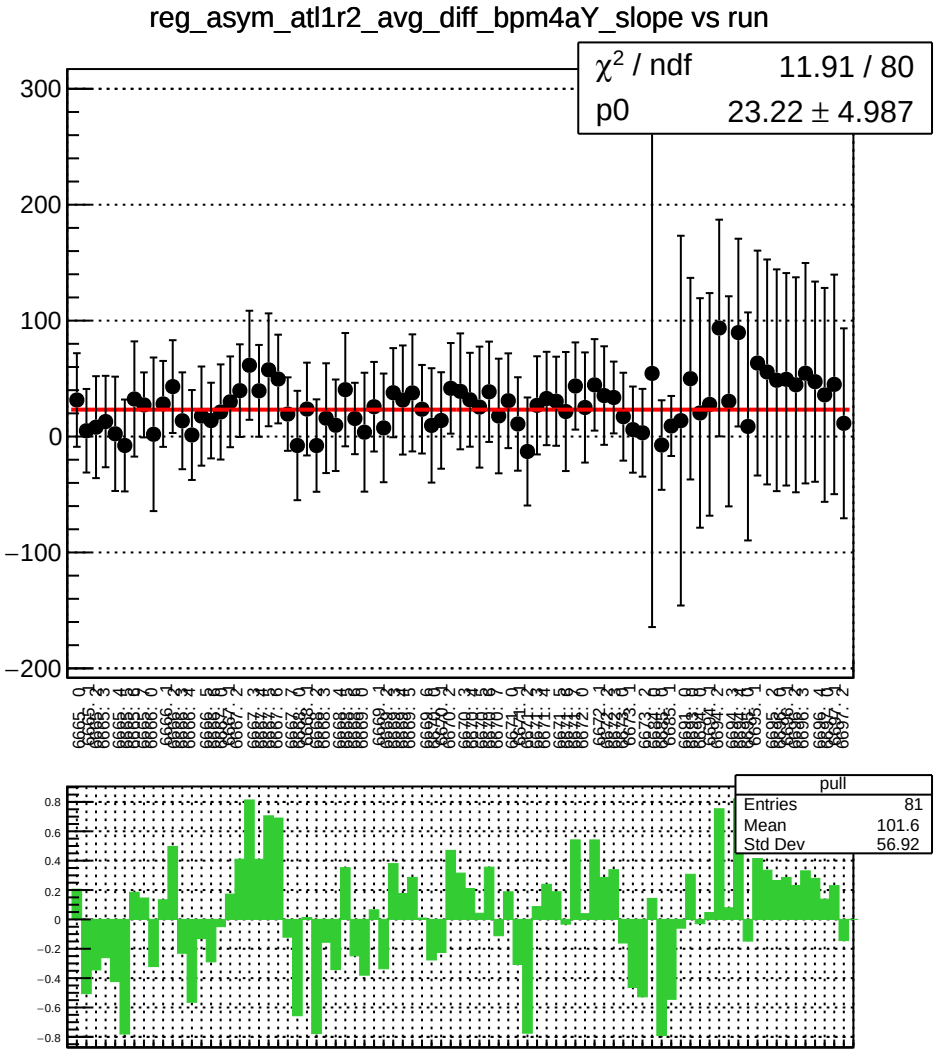

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 64.97 / 80
p0 −22.07 ± 2.575
pull
Entries 81
Mean −9.488
Std Dev 96.71

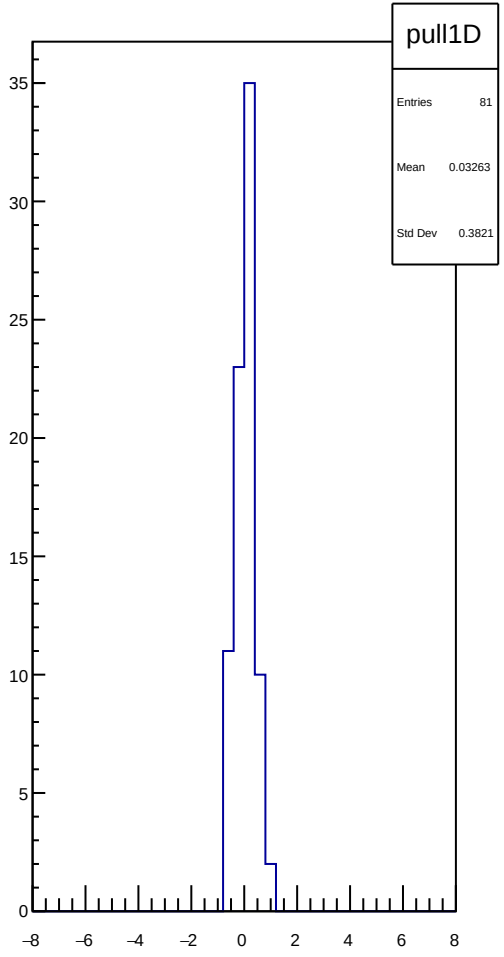

pull1D
Entries 81
Mean −0.0119
Std Dev 0.8955

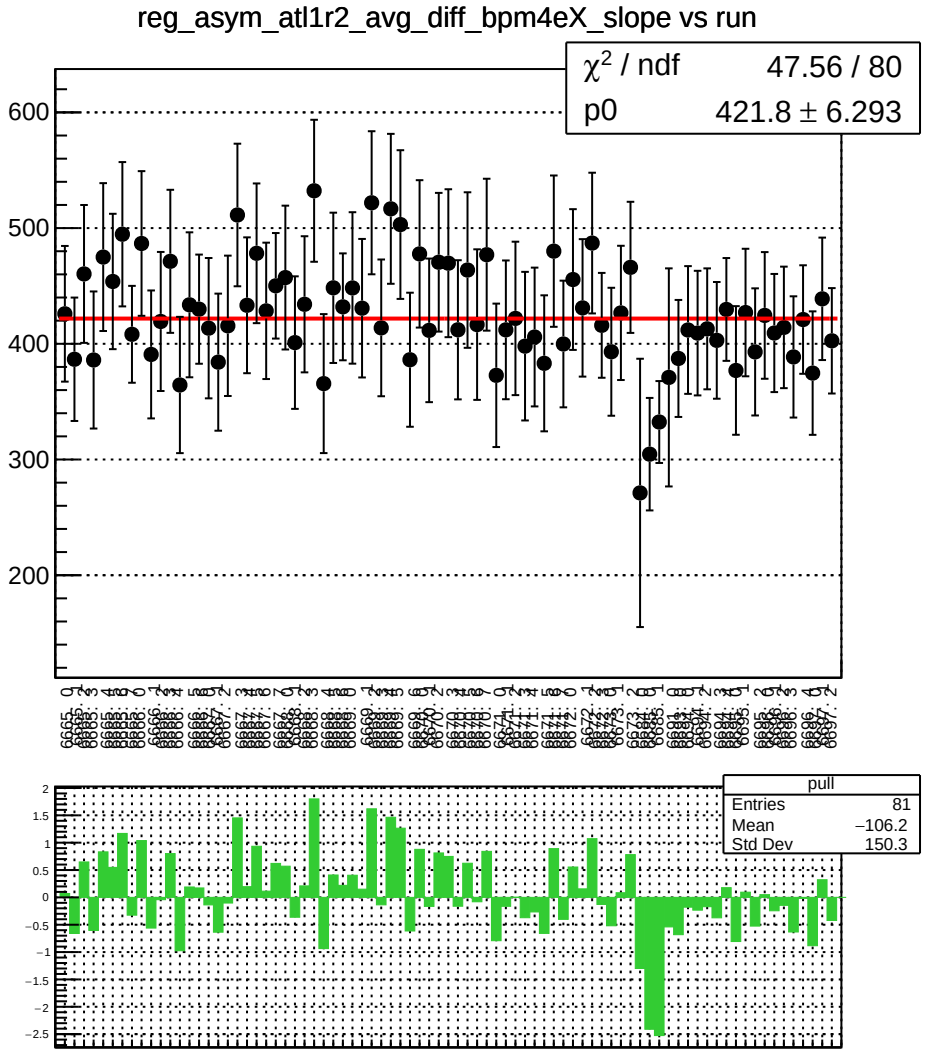

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 2439 / 80
p0 32.17 ± 0.1075
pull
Entries 81
Mean −122.8
Std Dev 168.3

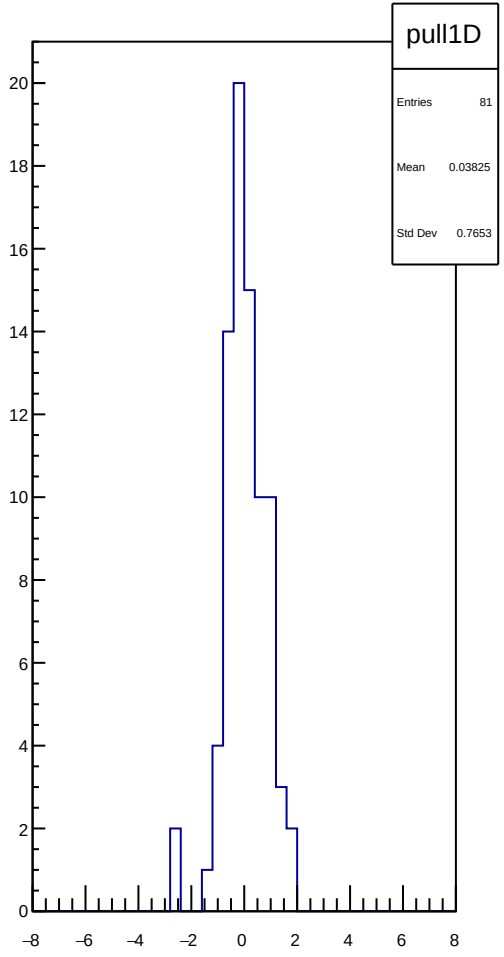

pull1D
Entries 81
Mean 2.751
Std Dev 3.286

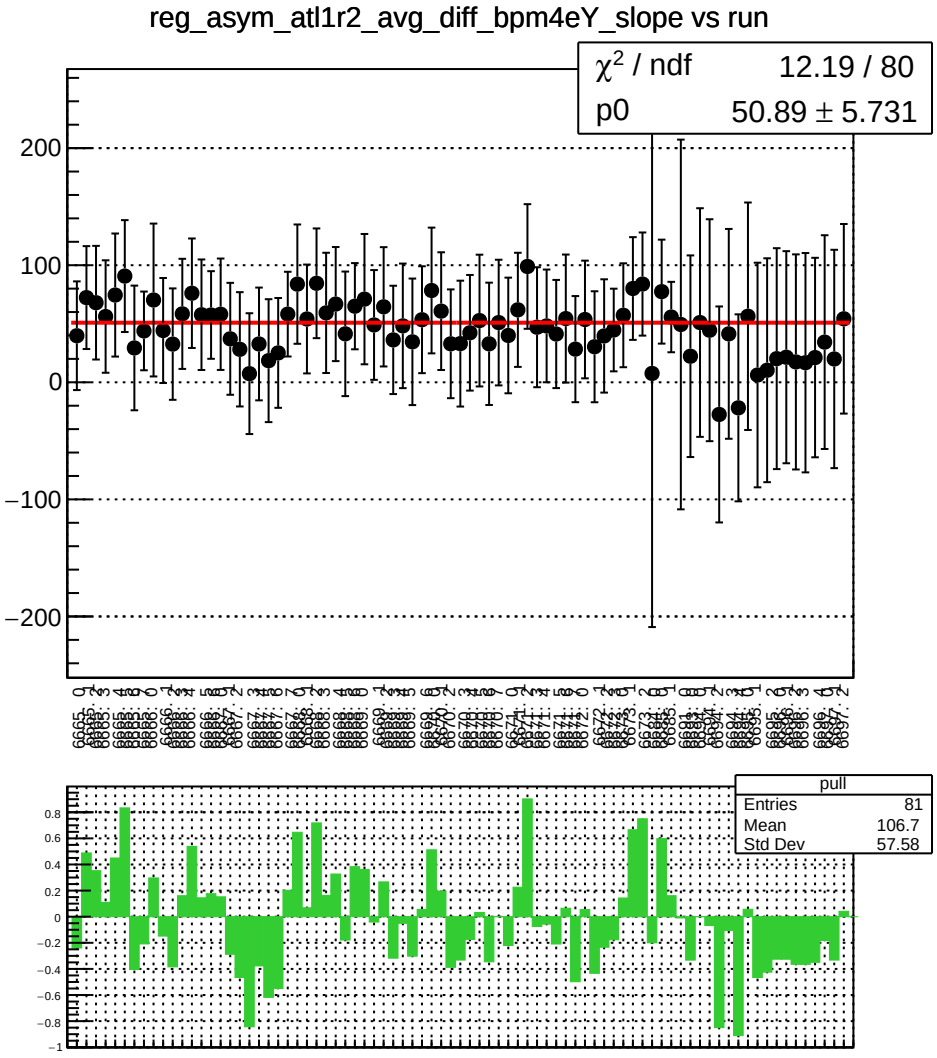

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 41.43 / 80
p0 −320.5 ± 5.991
pull
Entries 81
Mean 173
Std Dev 122.5
pull1D
Entries 81
Mean −0.01877
Std Dev 0.7149

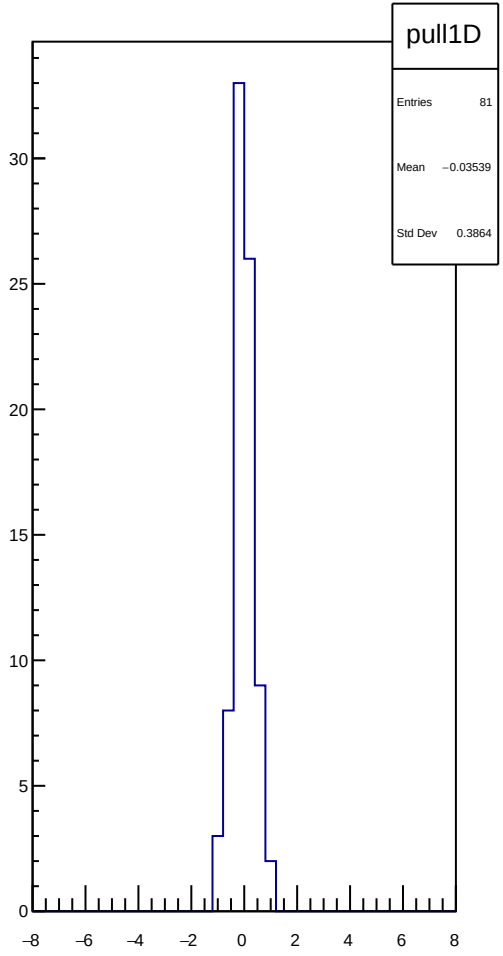

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.91 / 80
p0 23.22 ± 4.987
pull
Entries 81
Mean 101.6
Std Dev 56.92

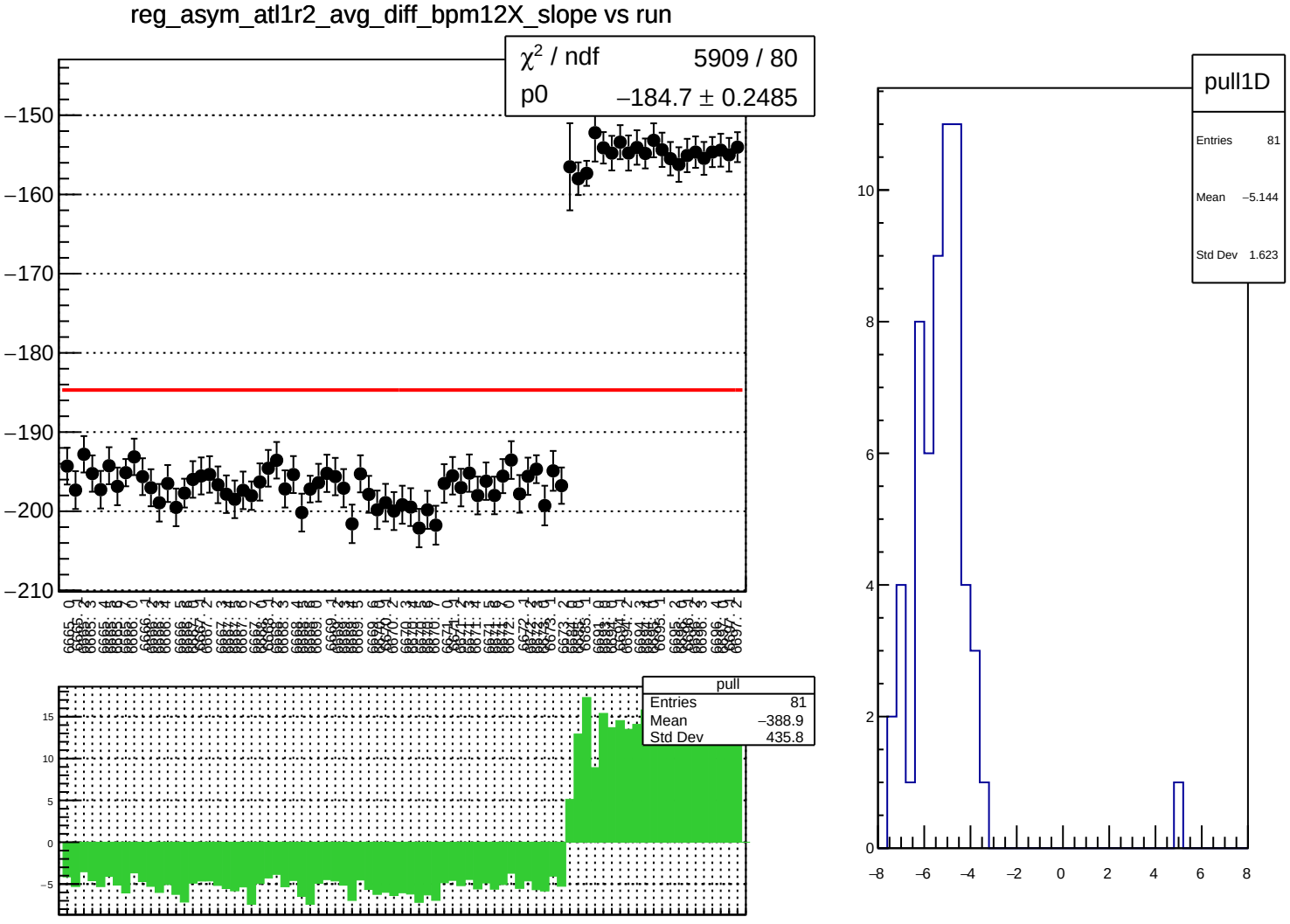

pull1D
Entries 81
Mean 0.03263
Std Dev 0.3821

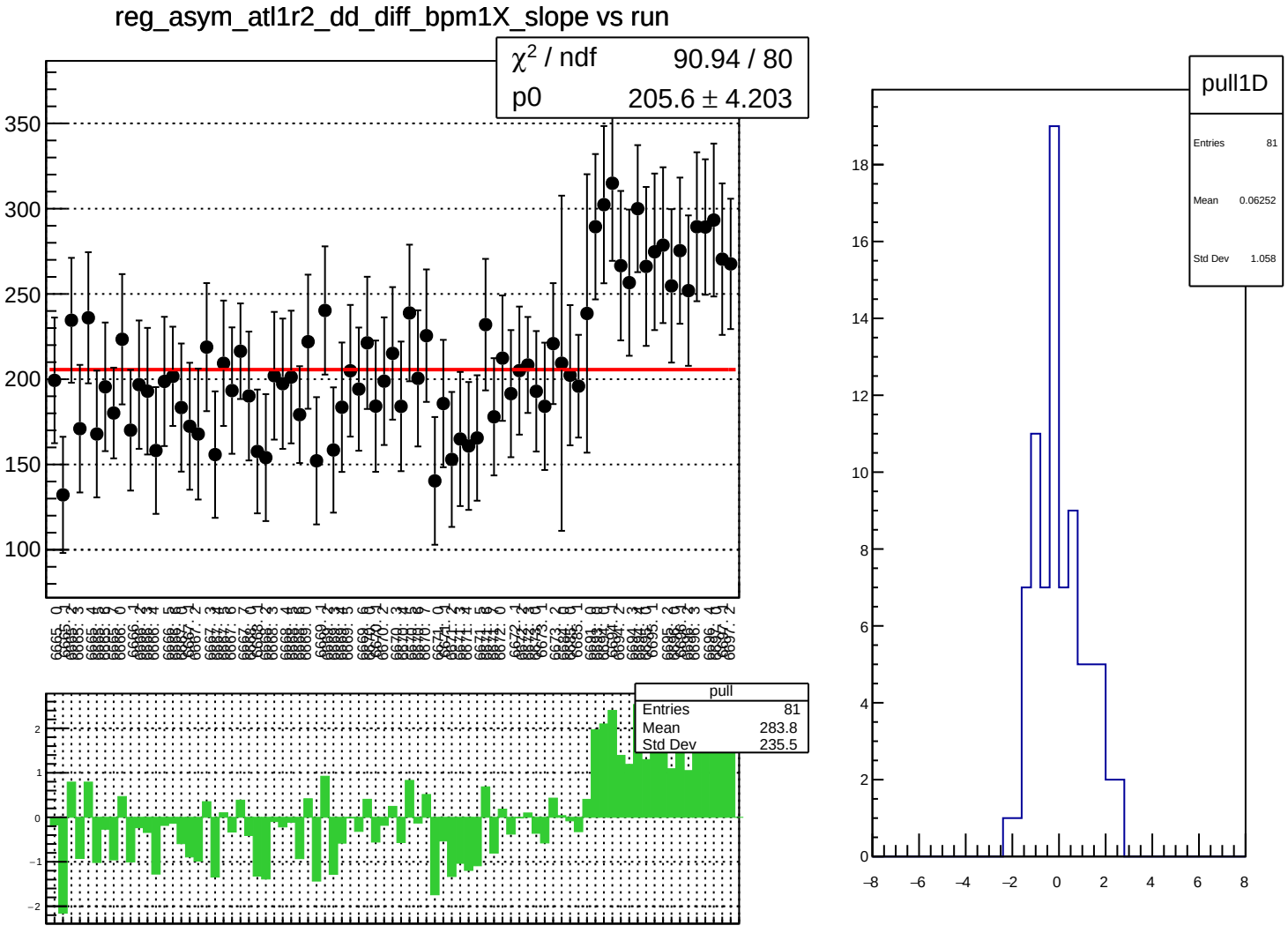

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.56 / 80
p0 421.8 ± 6.293
pull
Entries 81
Mean −106.2
Std Dev 150.3

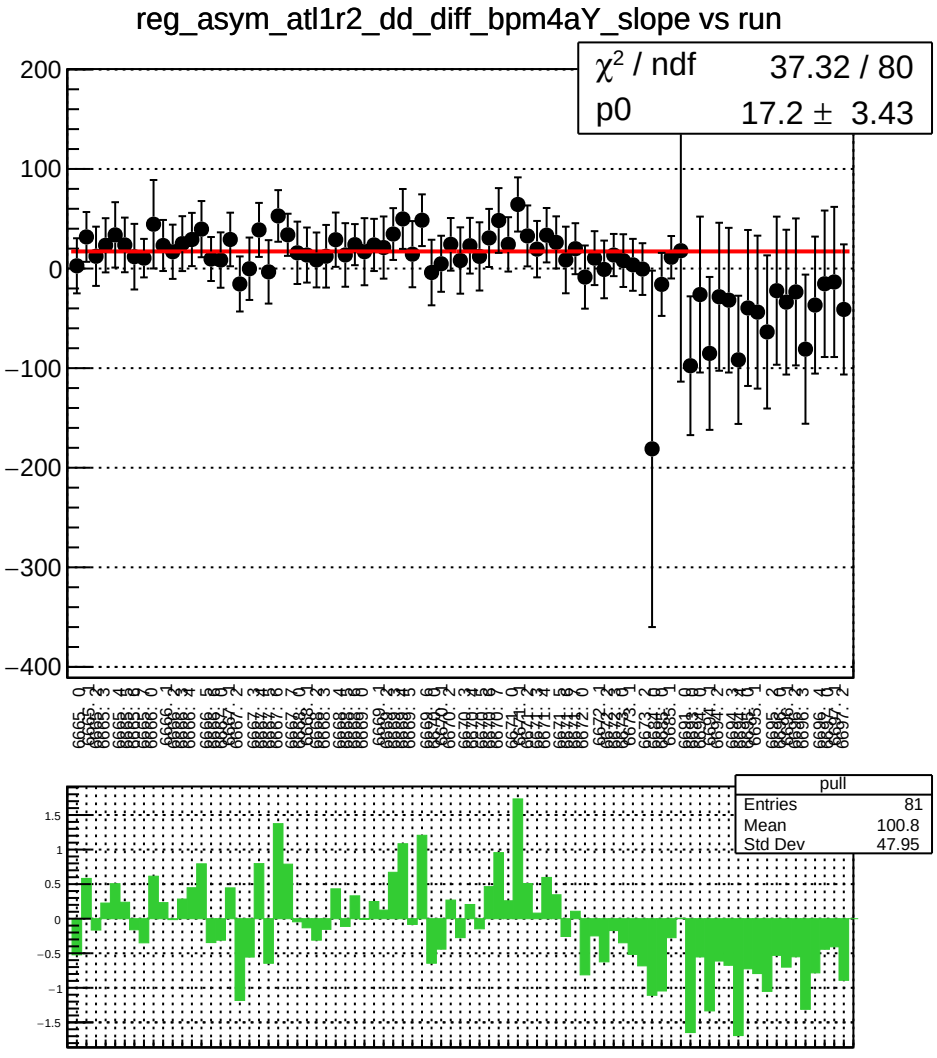

pull1D
Entries 81
Mean 0.03825
Std Dev 0.7653

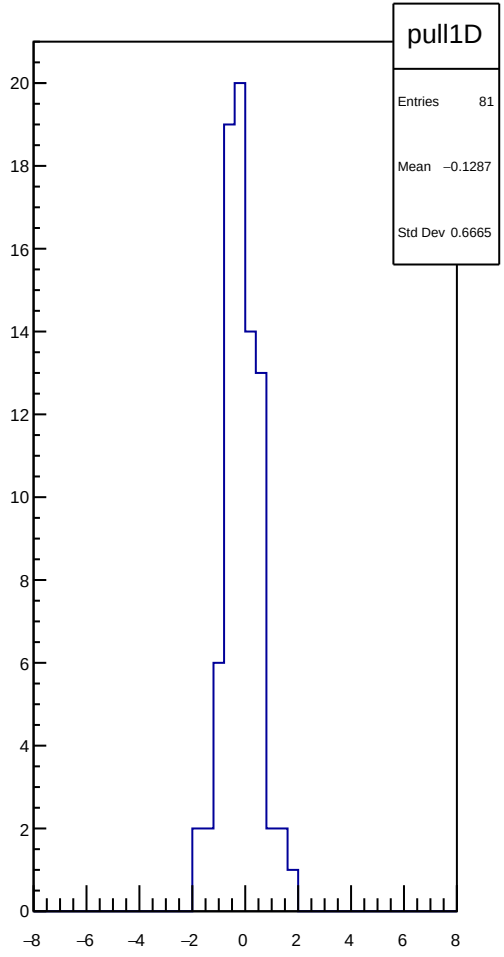

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.19 / 80
p0 50.89 ± 5.731
pull
Entries 81
Mean 106.7
Std Dev 57.58

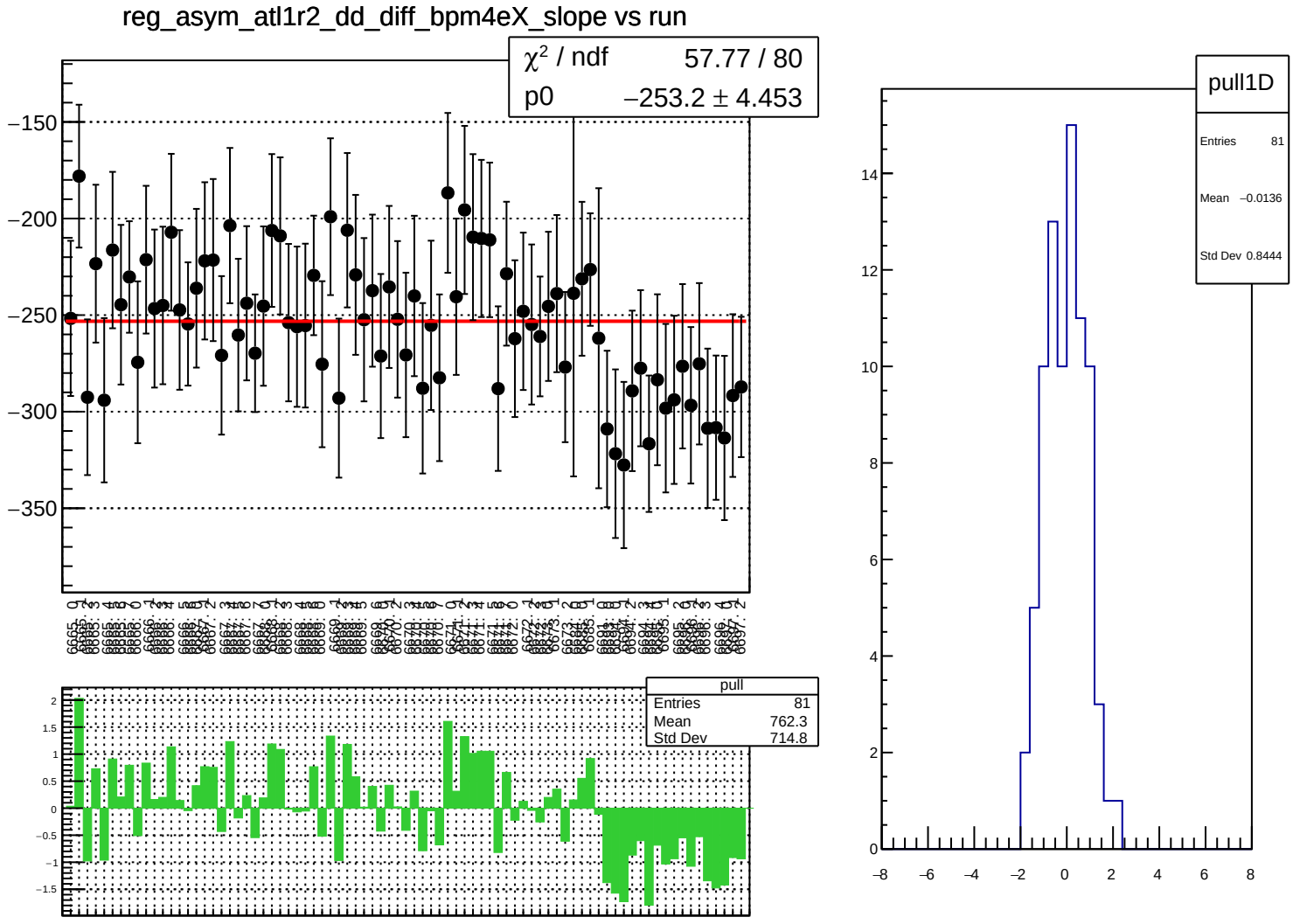

pull1D
Entries 81
Mean −0.03539
Std Dev 0.3864

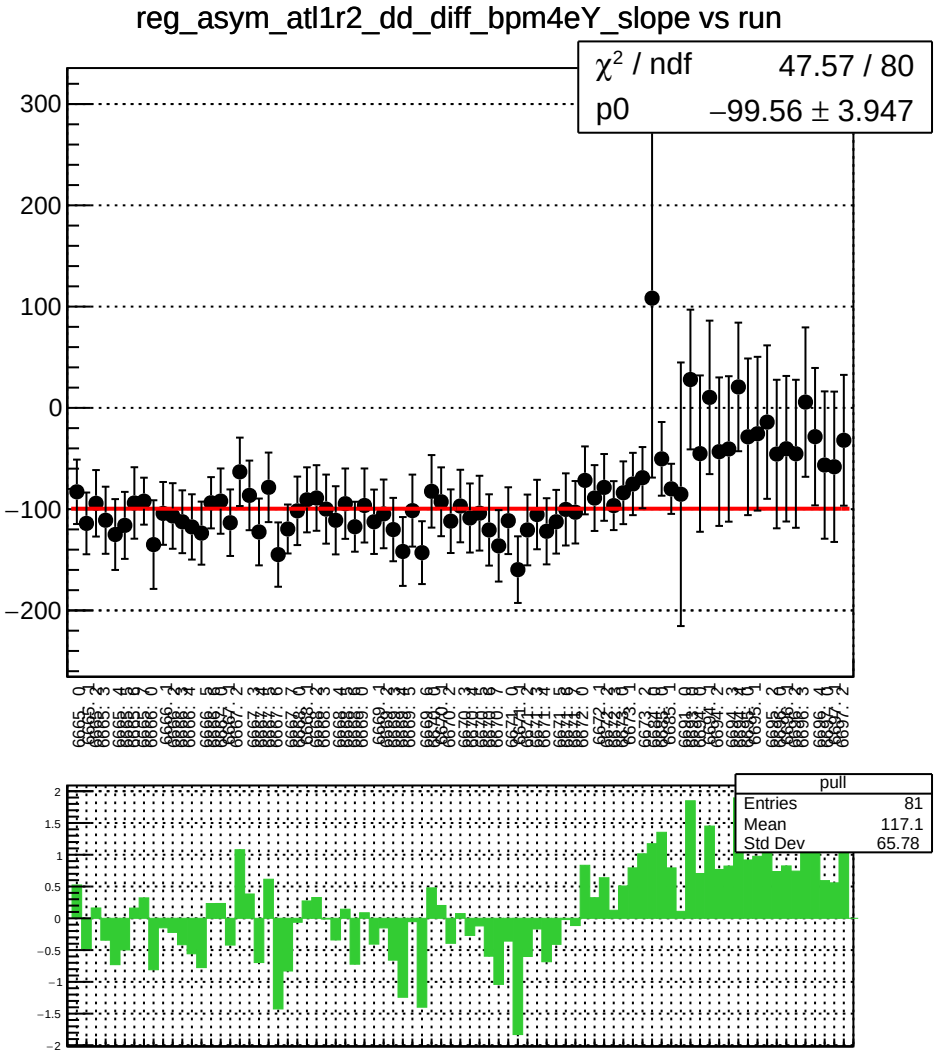

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 5909 / 80
p0 −184.7 ± 0.2485
pull
Entries 81
Mean −388.9
Std Dev 435.8
pull1D
Entries 81
Mean −5.144
Std Dev 1.623

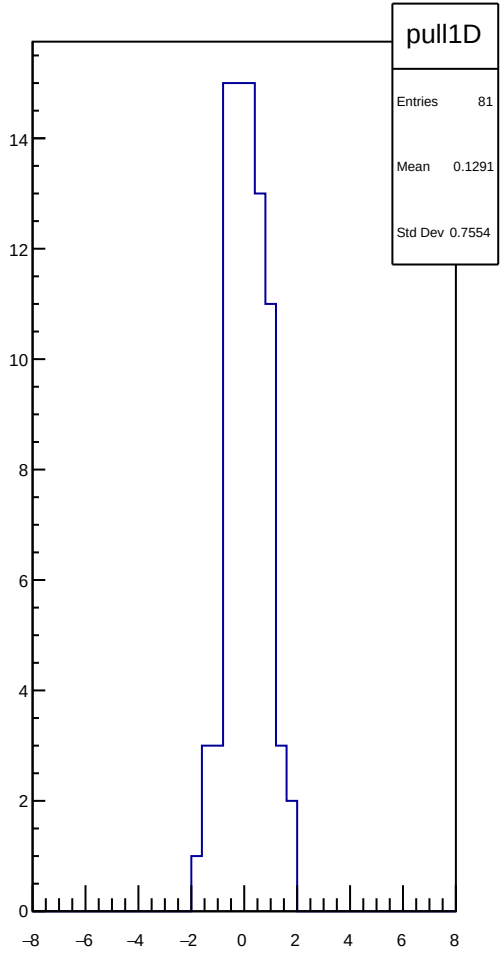

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ2 / ndf 90.94 / 80
p0 205.6 ± 4.203
pull
Entries 81
Mean 283.8
Std Dev 235.5
pull1D
Entries 81
Mean 0.06252
Std Dev 1.058

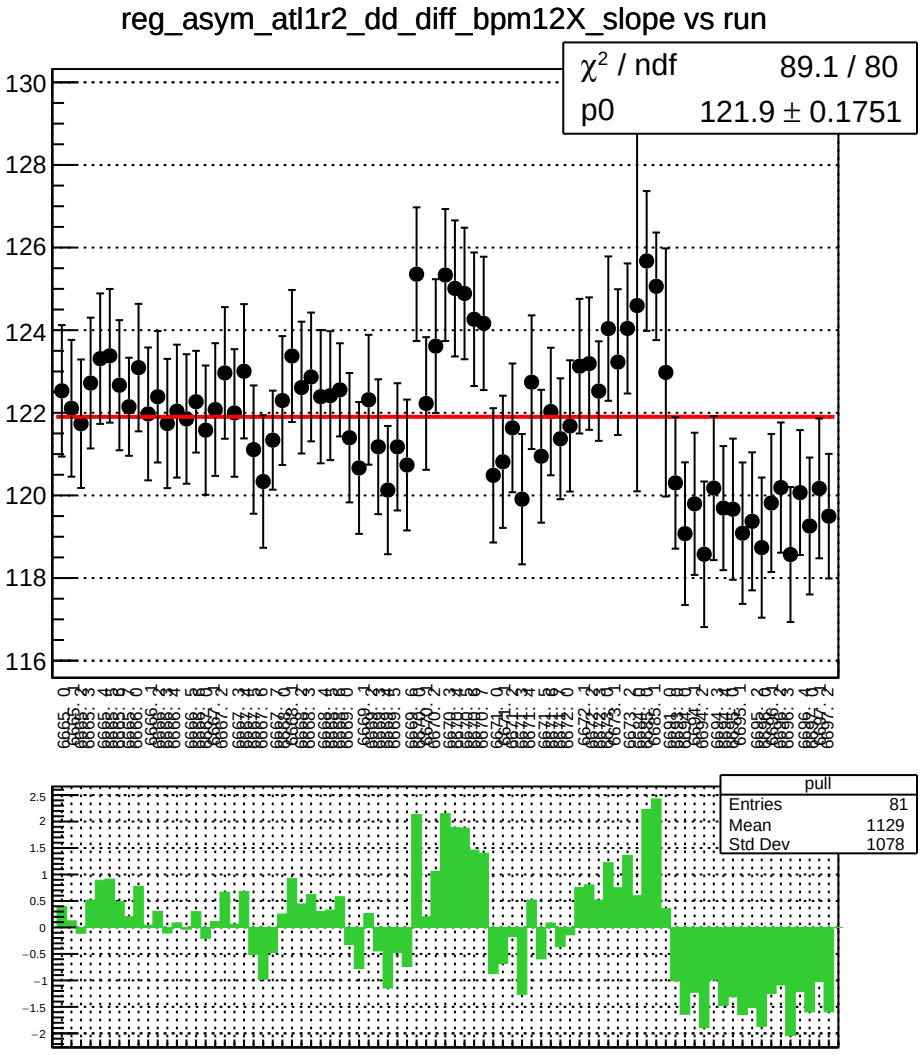

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.32 / 80
p0 17.2 ± 3.43
pull
Entries 81
Mean 100.8
Std Dev 47.95

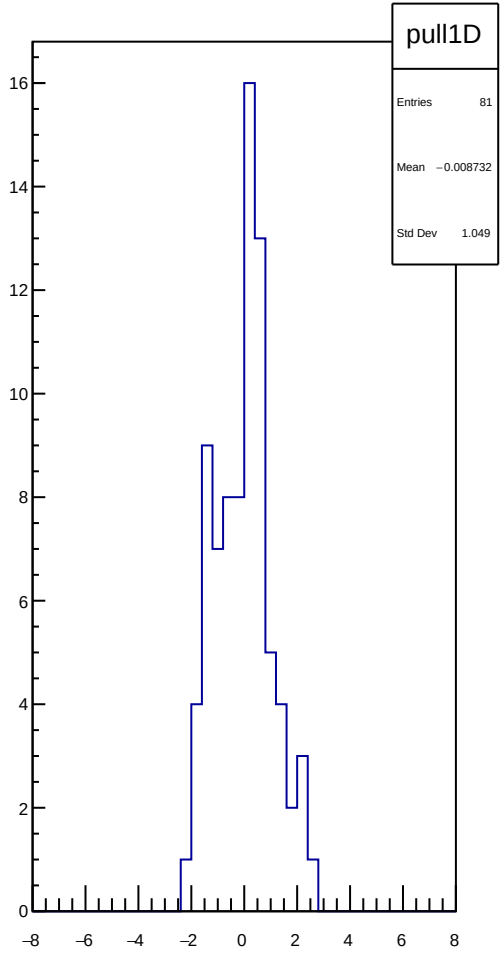

pull1D
Entries 81
Mean −0.1287
Std Dev 0.6665

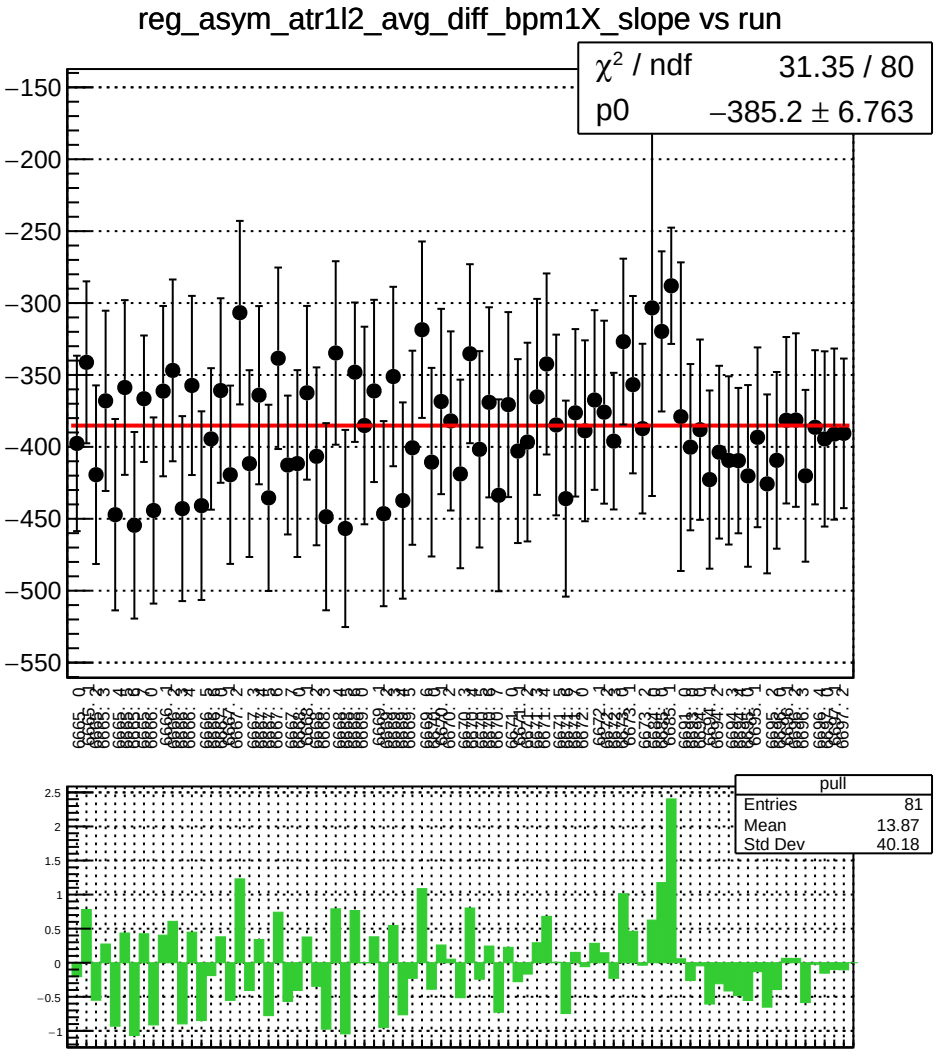

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.77 / 80
p0 −253.2 ± 4.453
pull
Entries 81
Mean 762.3
Std Dev 714.8
pull1D
Entries 81
Mean −0.0136
Std Dev 0.8444

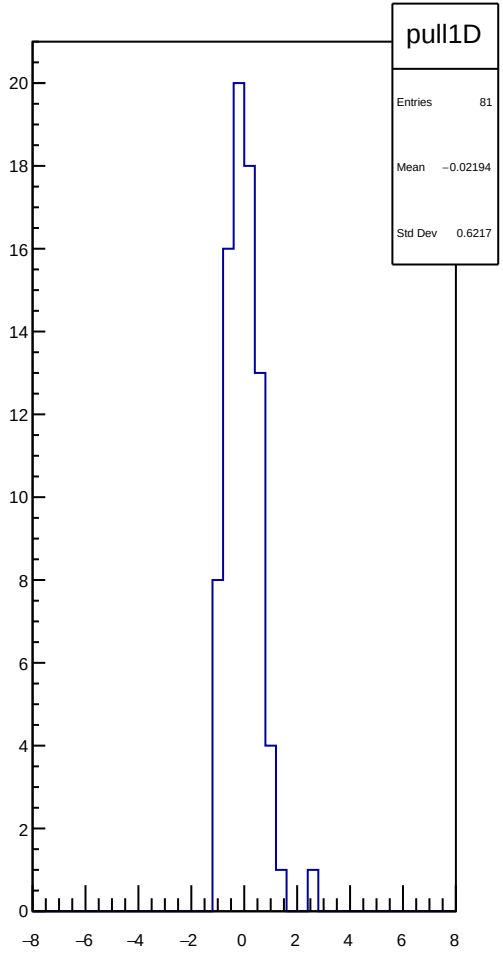

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.57 / 80
p0 −99.56 ± 3.947
pull
Entries 81
Mean 117.1
Std Dev 65.78

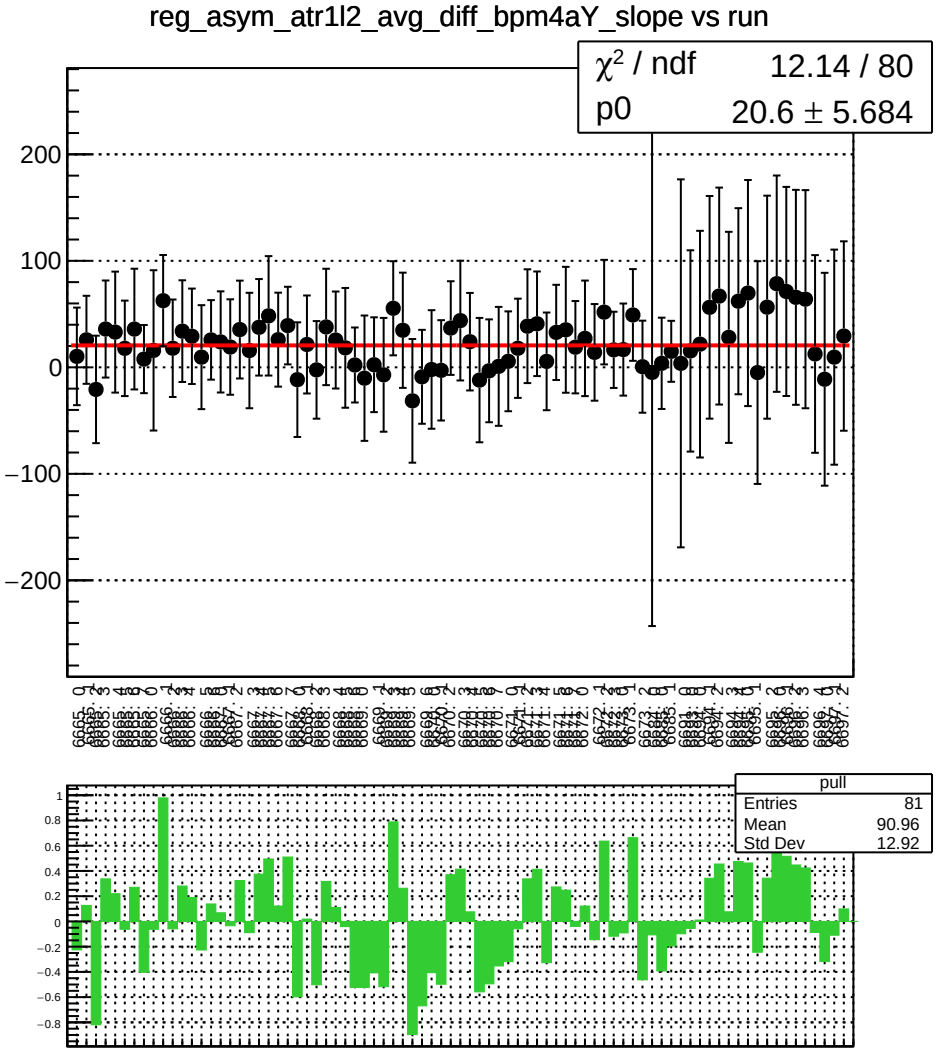

pull1D
Entries 81
Mean 0.1291
Std Dev 0.7554

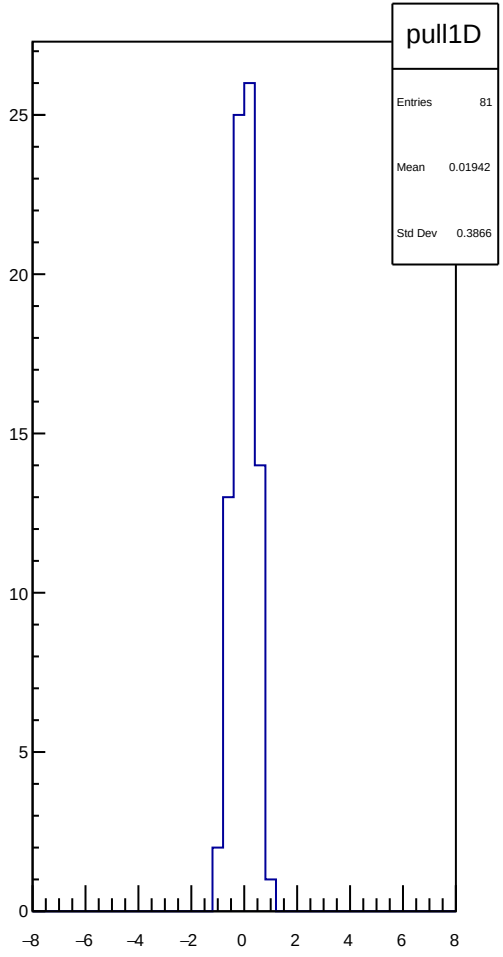

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 89.1 / 80
p0 121.9 ± 0.1751
pull
Entries 81
Mean 1129
Std Dev 1078

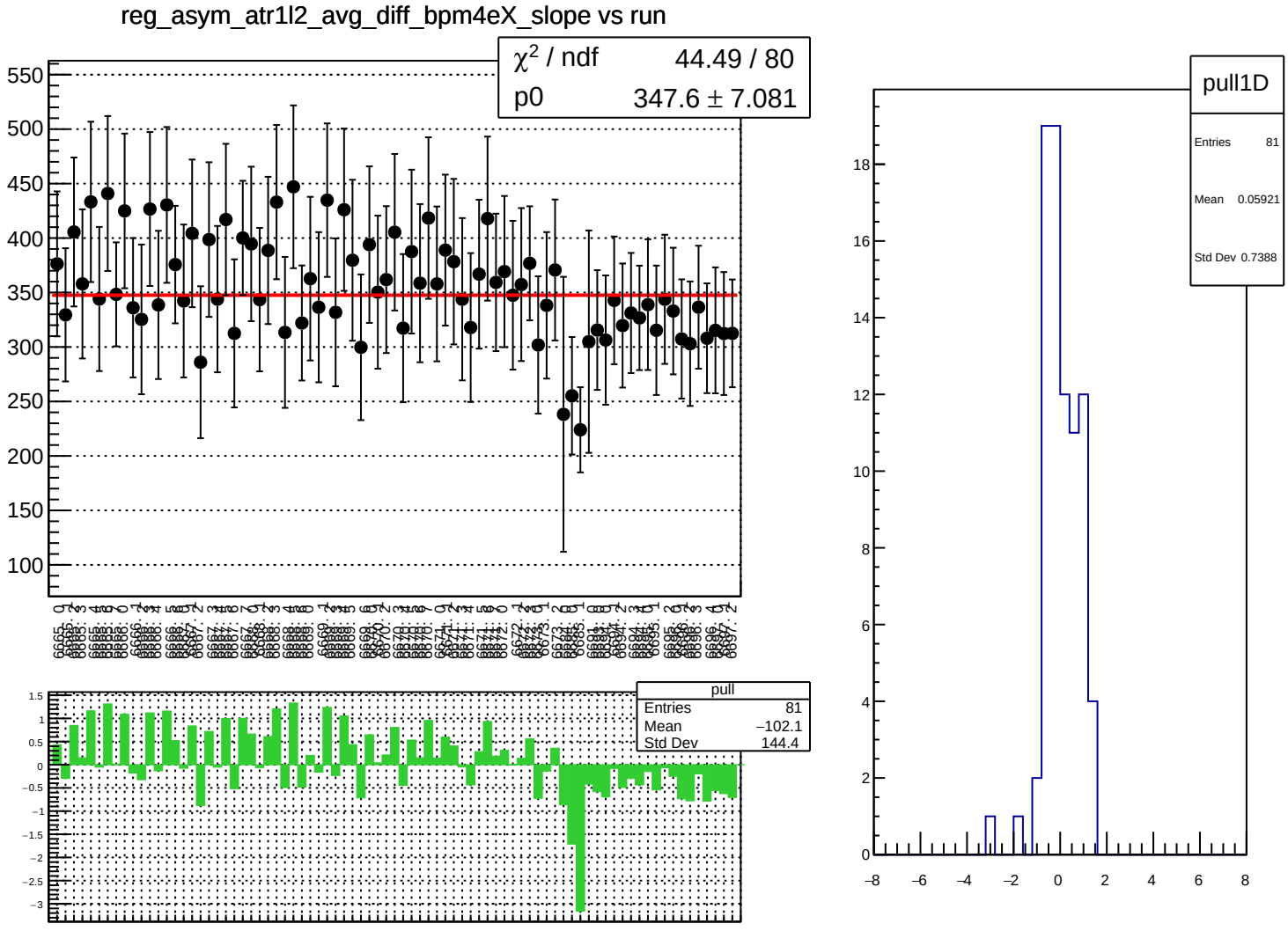

pull1D
Entries 81
Mean −0.008732
Std Dev 1.049

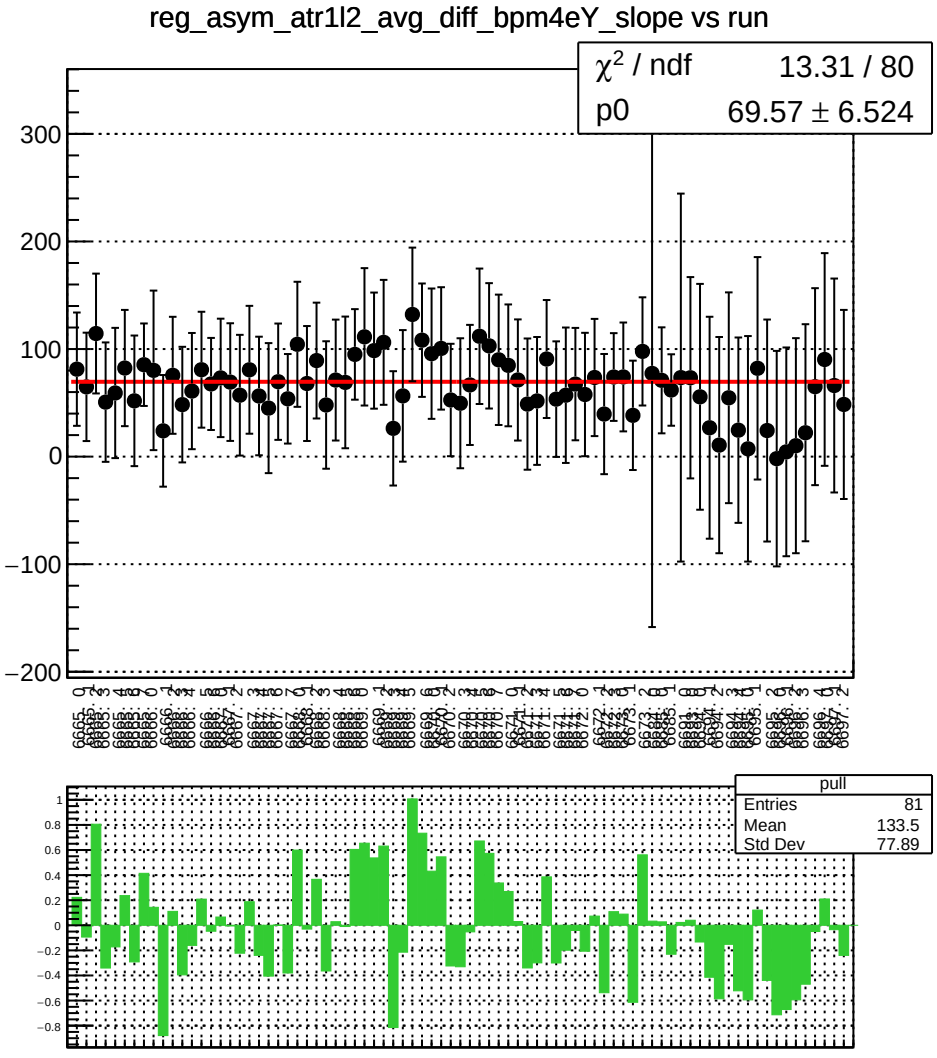

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 31.35 / 80
p0 −385.2 ± 6.763
pull
Entries 81
Mean 13.87
Std Dev 40.18

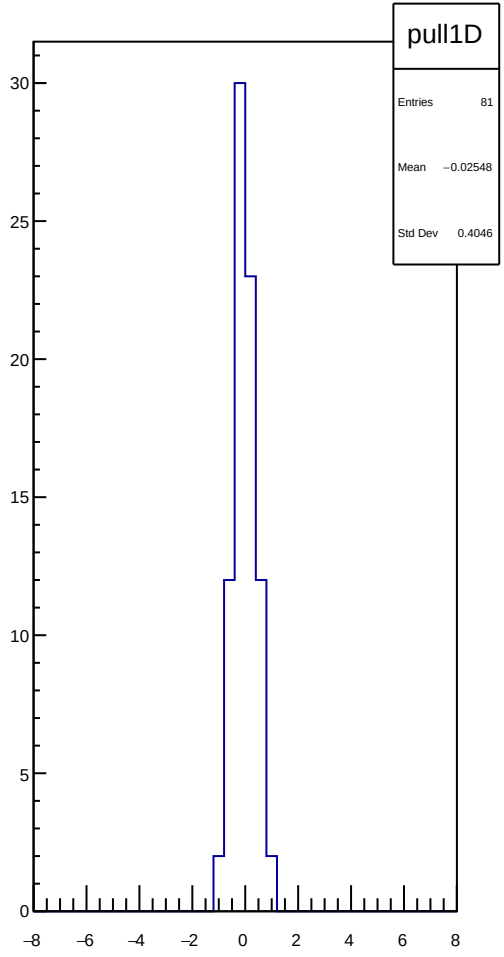

pull1D
Entries 81
Mean −0.02194
Std Dev 0.6217

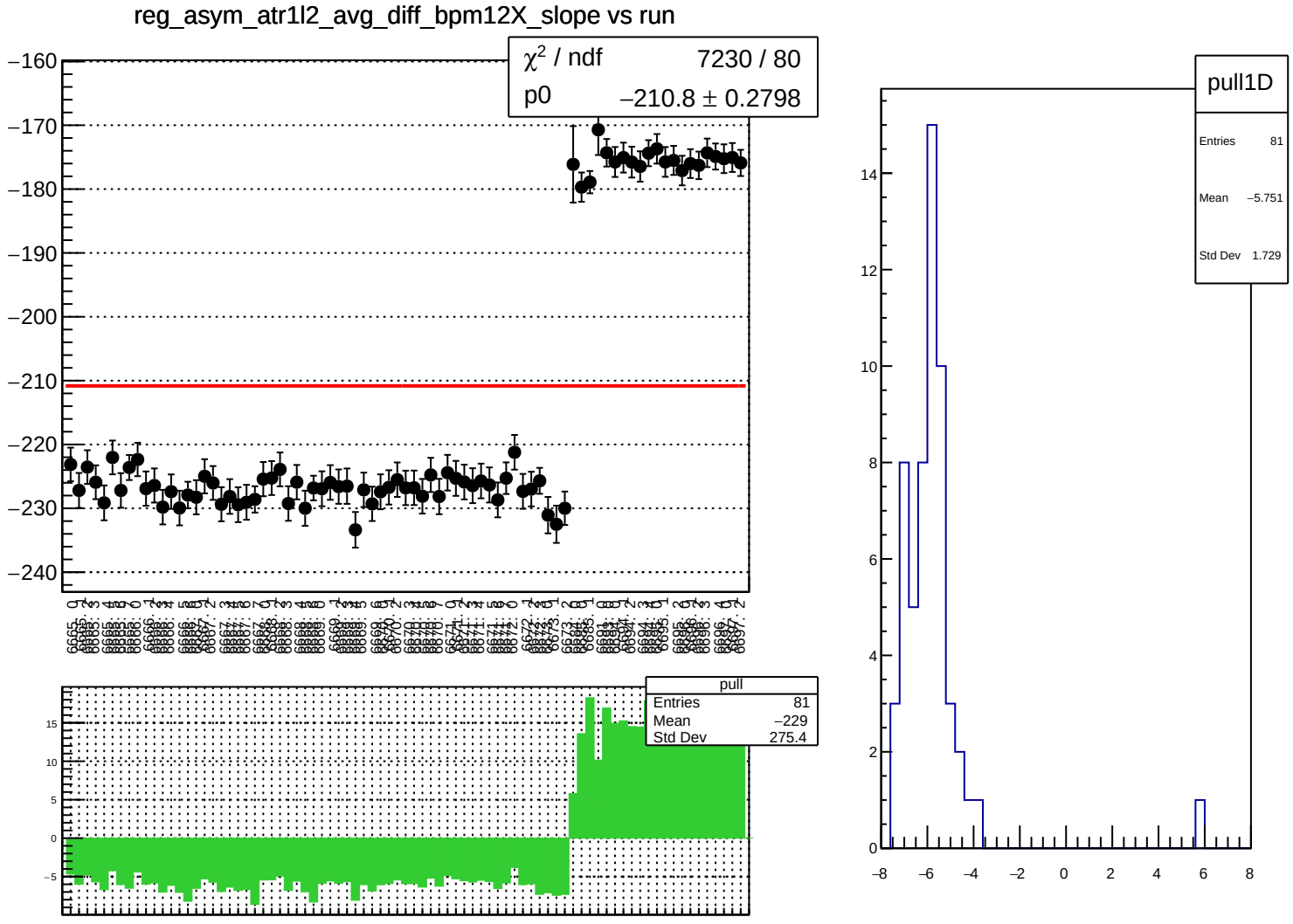

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 80
p0 20.6 ± 5.684
pull
Entries 81
Mean 90.96
Std Dev 12.92

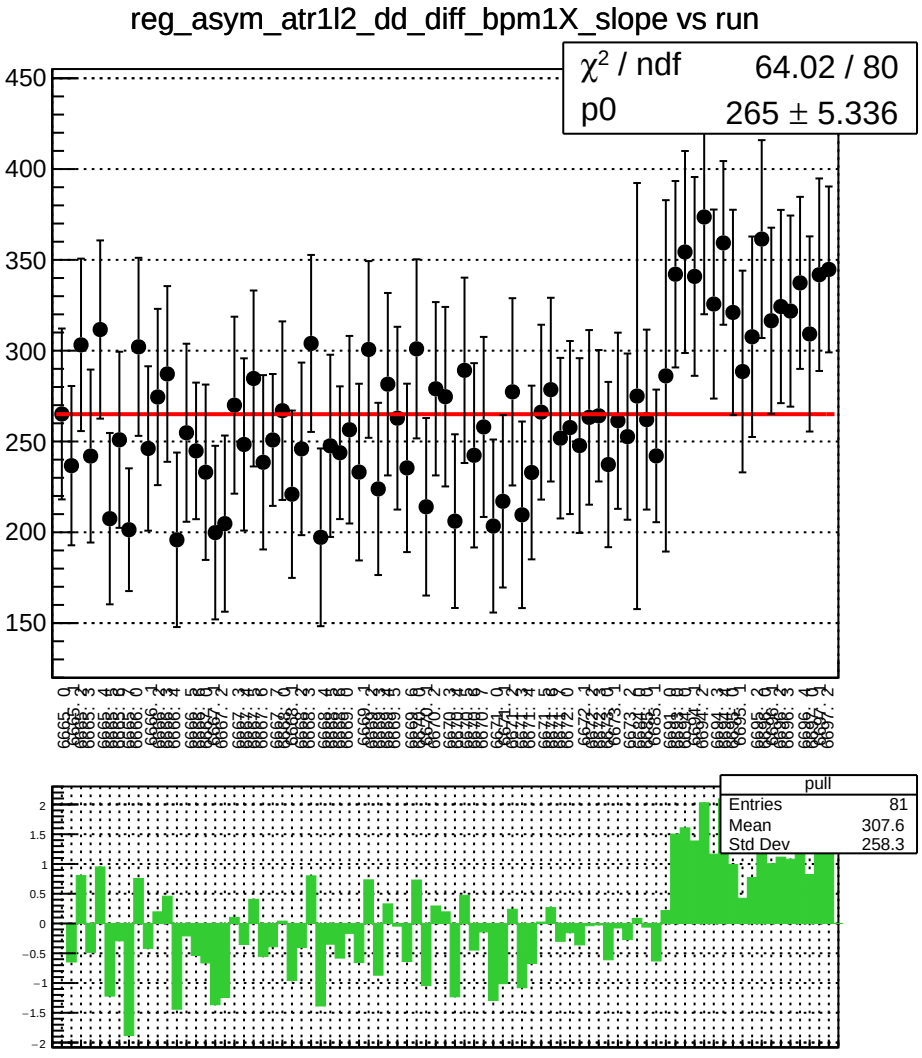

pull1D
Entries 81
Mean 0.01942
Std Dev 0.3866

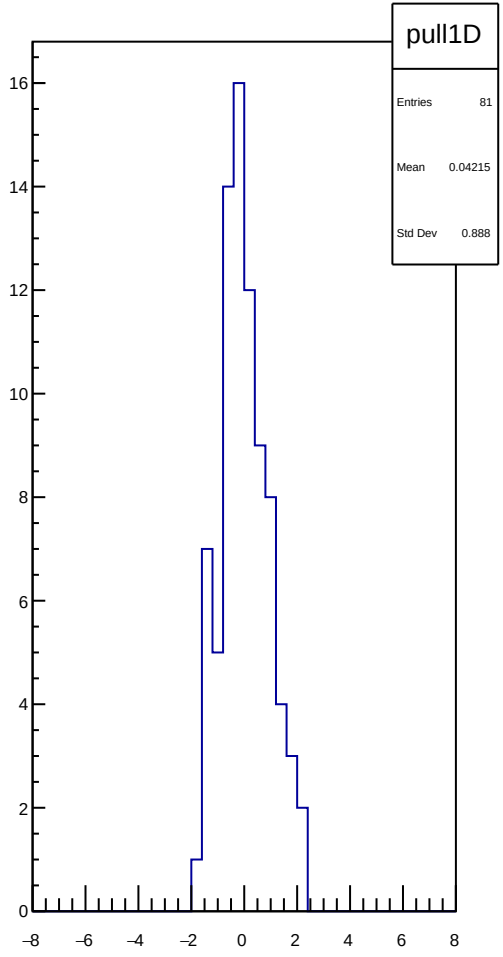

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.49 / 80
p0 347.6 ± 7.081
pull
Entries 81
Mean −102.1
Std Dev 144.4
pull1D
Entries 81
Mean 0.05921
Std Dev 0.7388

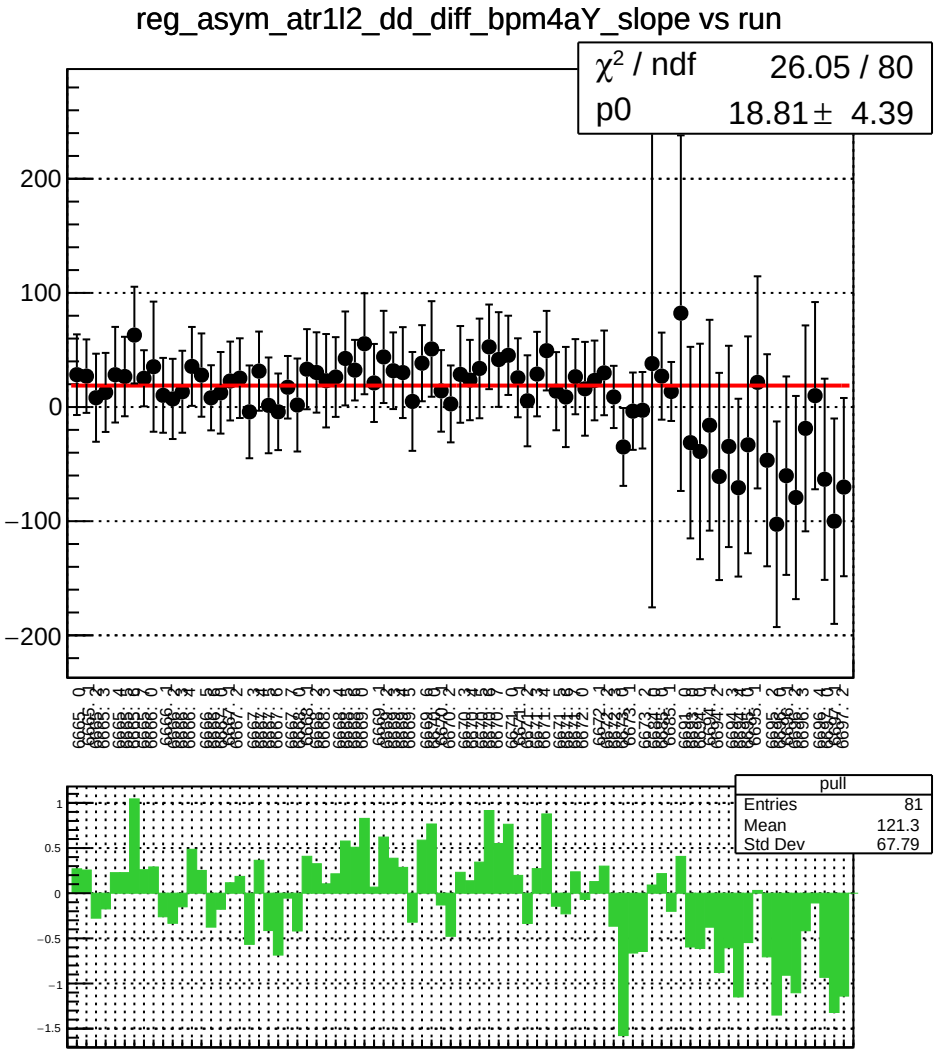

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.31 / 80
p0 69.57 ± 6.524
pull
Entries 81
Mean 133.5
Std Dev 77.89

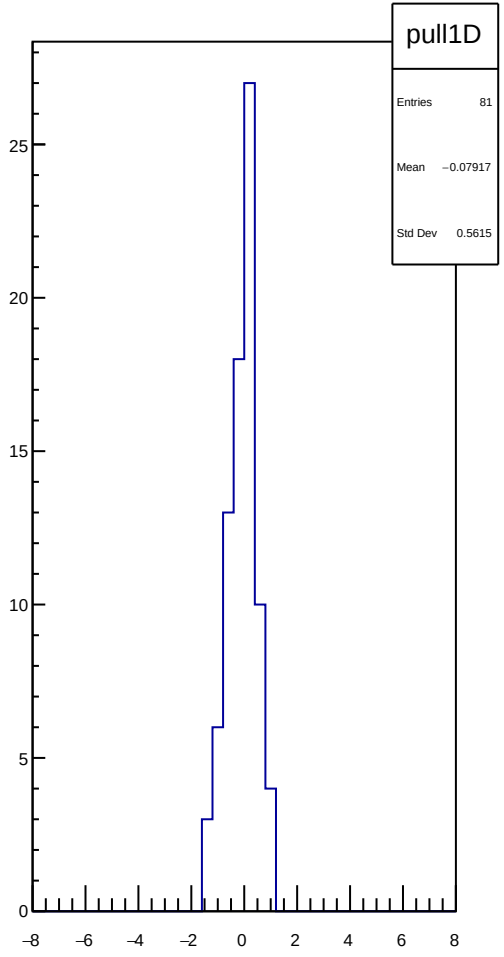

pull1D
Entries 81
Mean −0.02548
Std Dev 0.4046

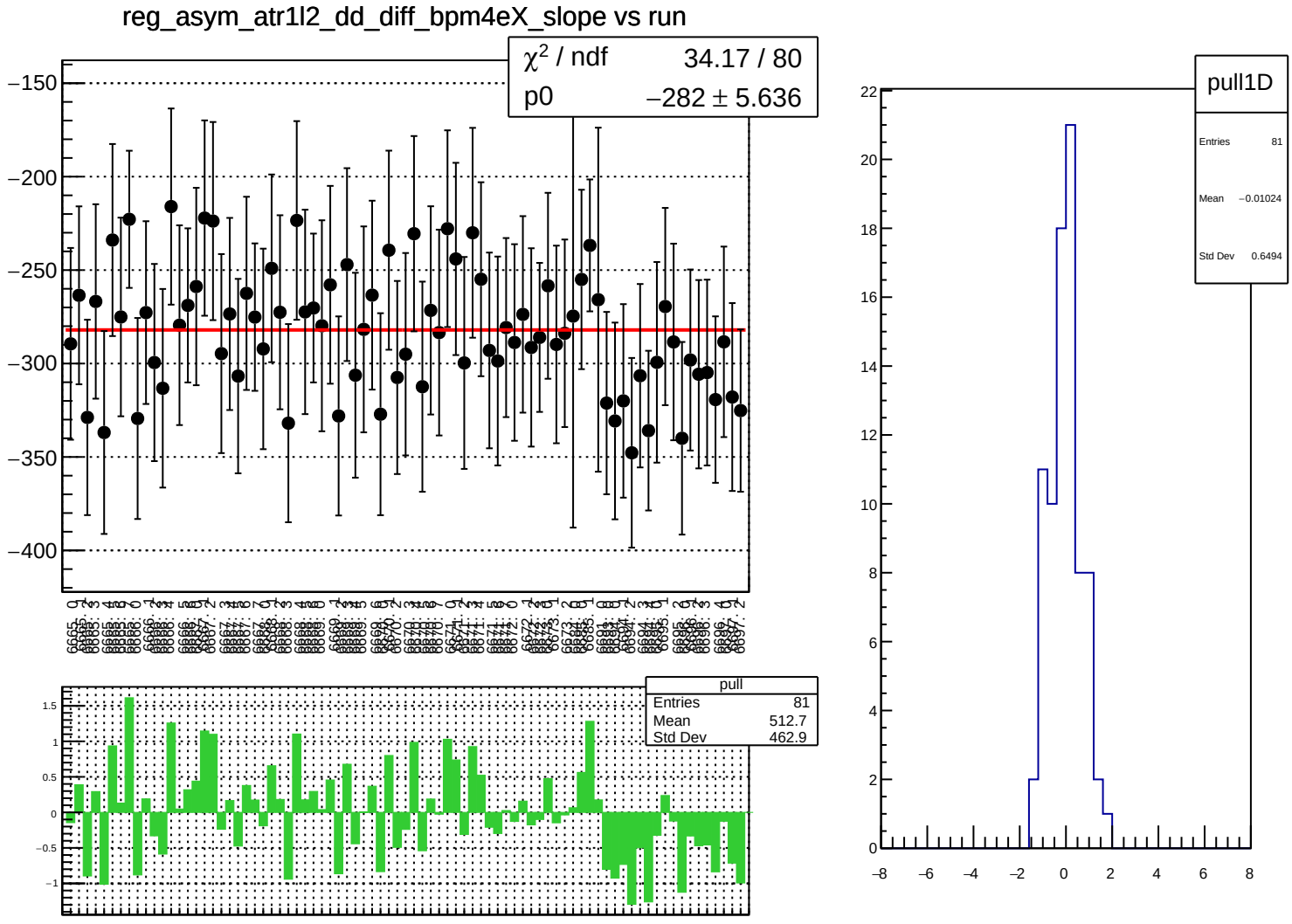

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 7230 / 80
p0 −210.8 ± 0.2798
pull
Entries 81
Mean −229
Std Dev 275.4
pull1D
Entries 81
Mean −5.751
Std Dev 1.729

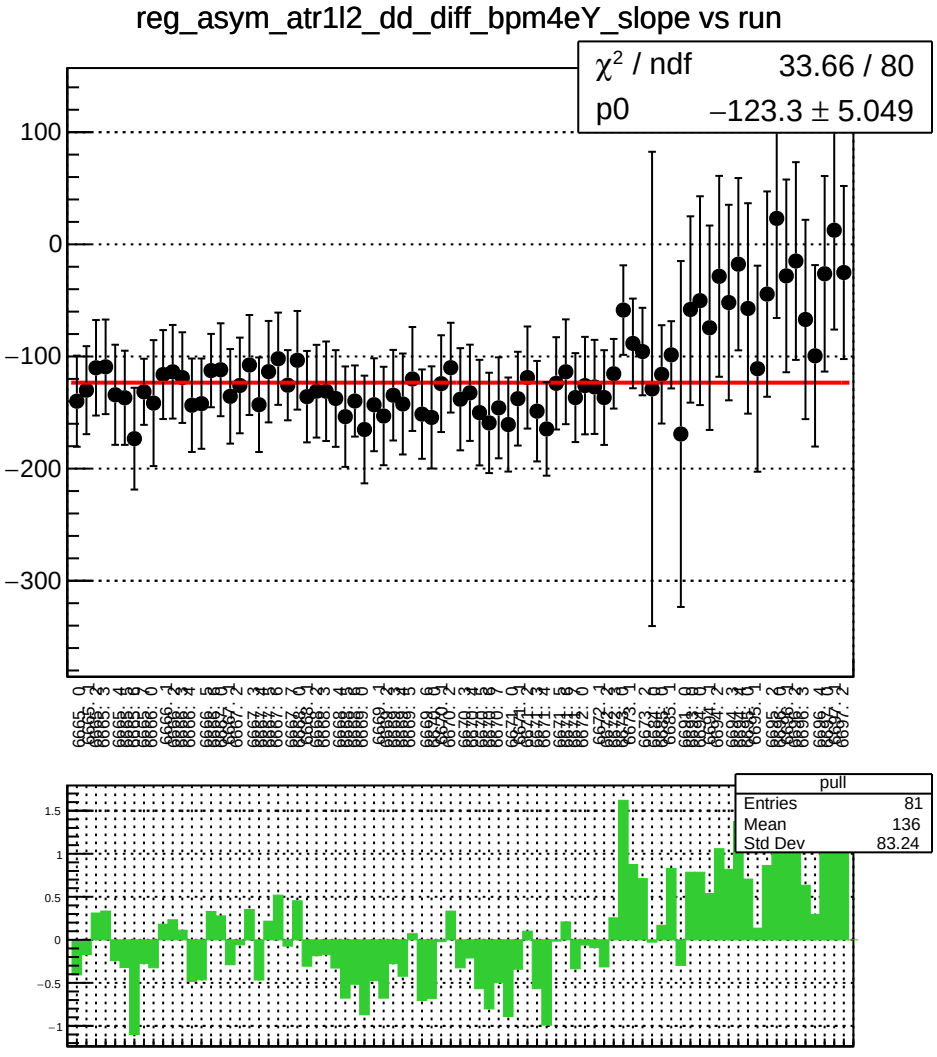

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 64.02 / 80
p0 265 ± 5.336
pull
Entries 81
Mean 307.6
Std Dev 258.3

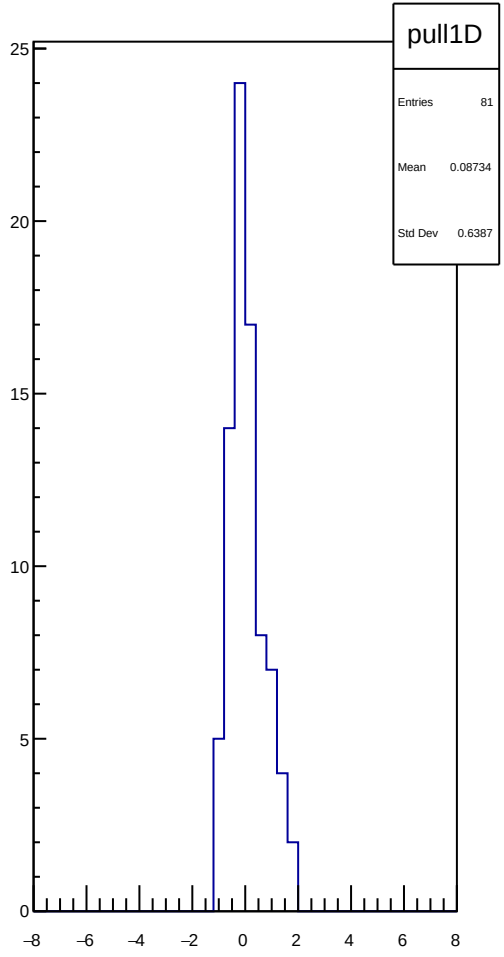

pull1D
Entries 81
Mean 0.04215
Std Dev 0.888

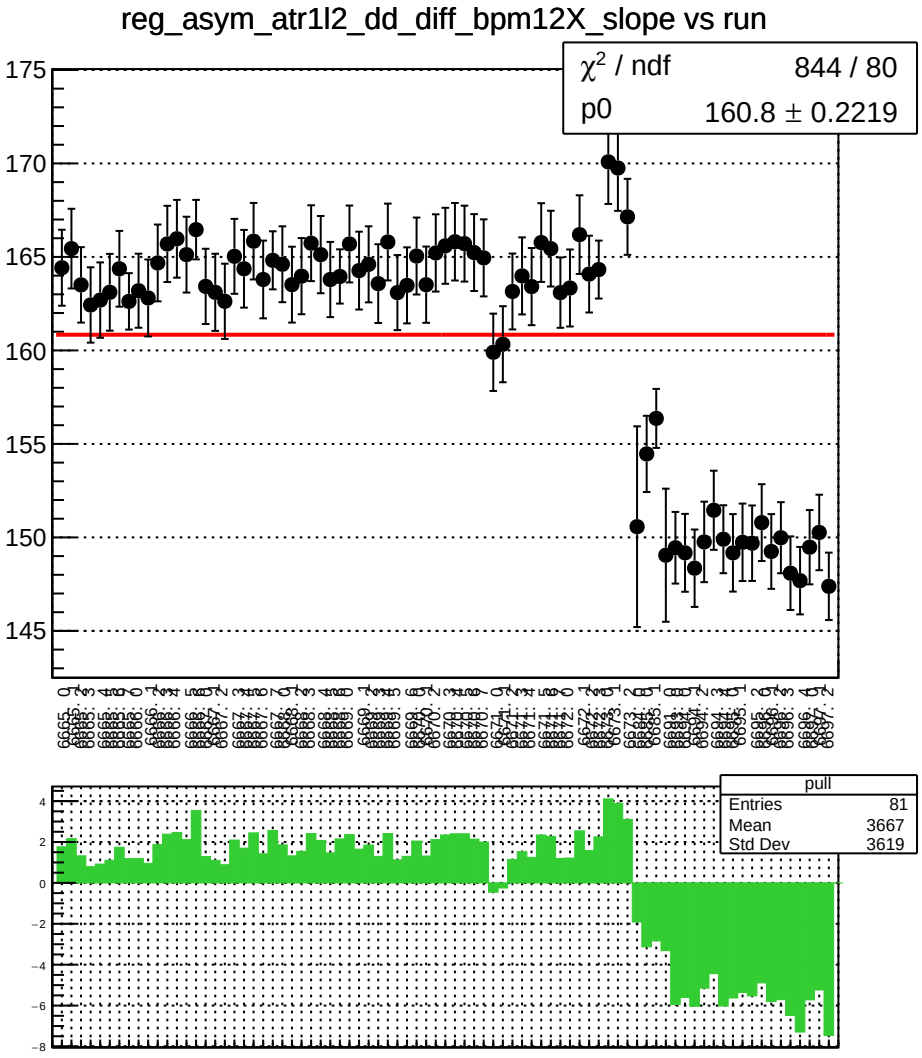

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 80
p0 18.81 ± 4.39
pull
Entries 81
Mean 121.3
Std Dev 67.79

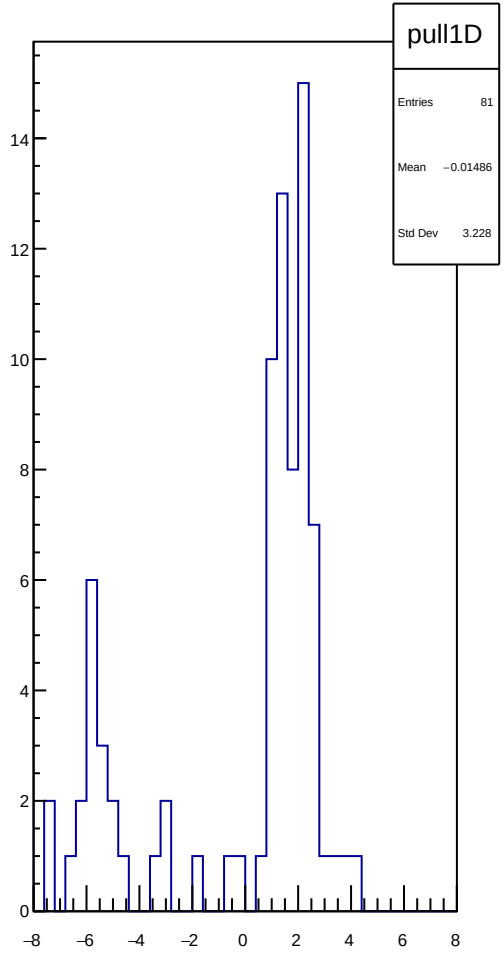

pull1D
Entries 81
Mean −0.07917
Std Dev 0.5615

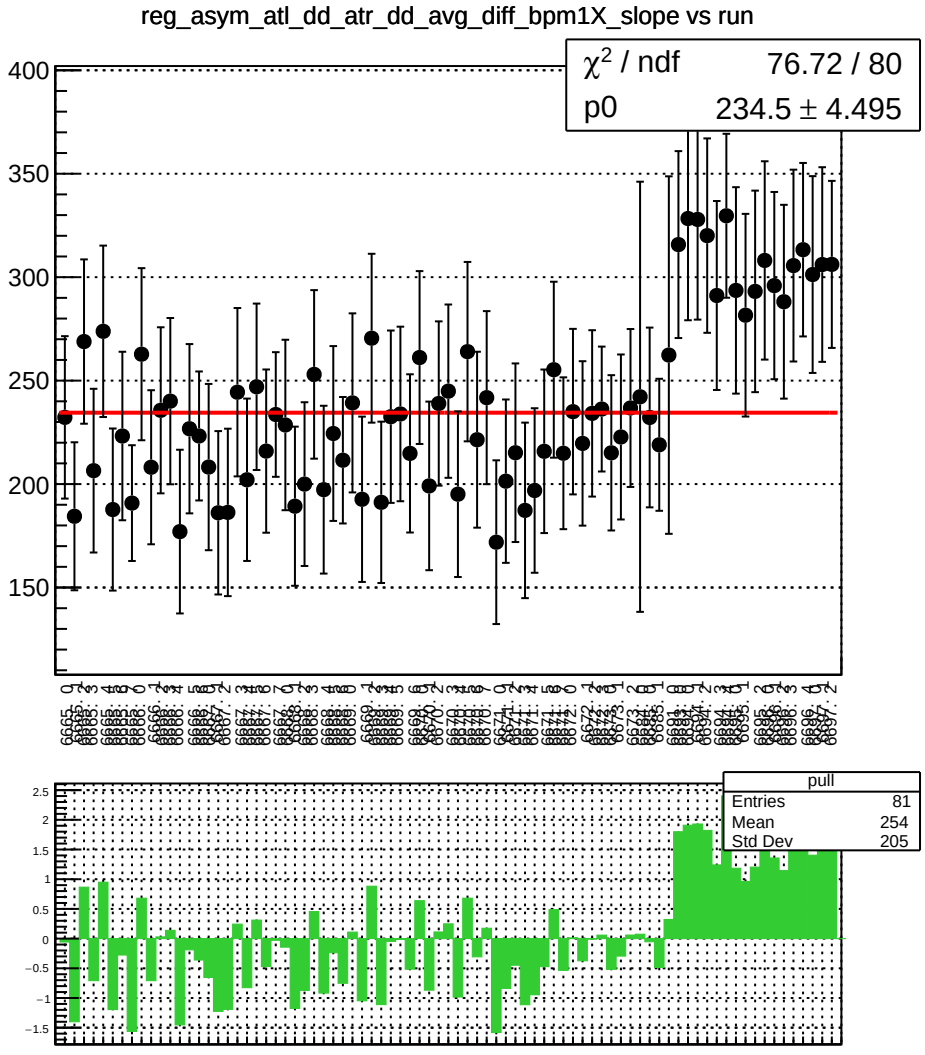

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 34.17 / 80
p0 −282 ± 5.636
pull
Entries 81
Mean 512.7
Std Dev 462.9
pull1D
Entries 81
Mean −0.01024
Std Dev 0.6494

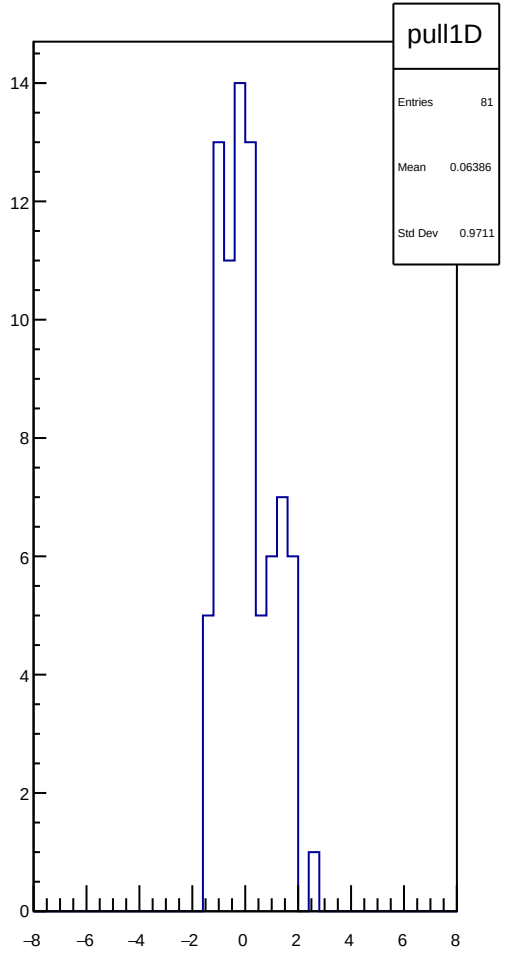

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.66 / 80
p0 −123.3 ± 5.049
pull
Entries 81
Mean 136
Std Dev 83.24

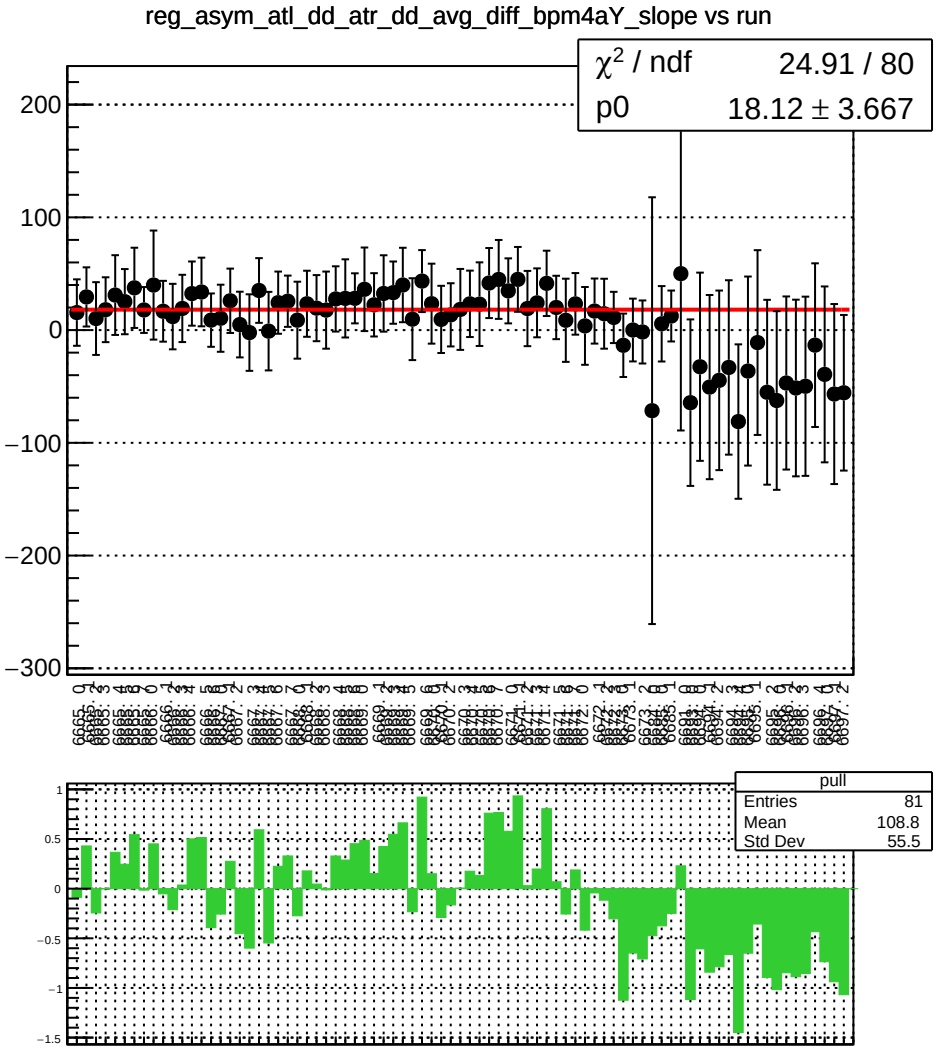

pull1D
Entries 81
Mean 0.08734
Std Dev 0.6387

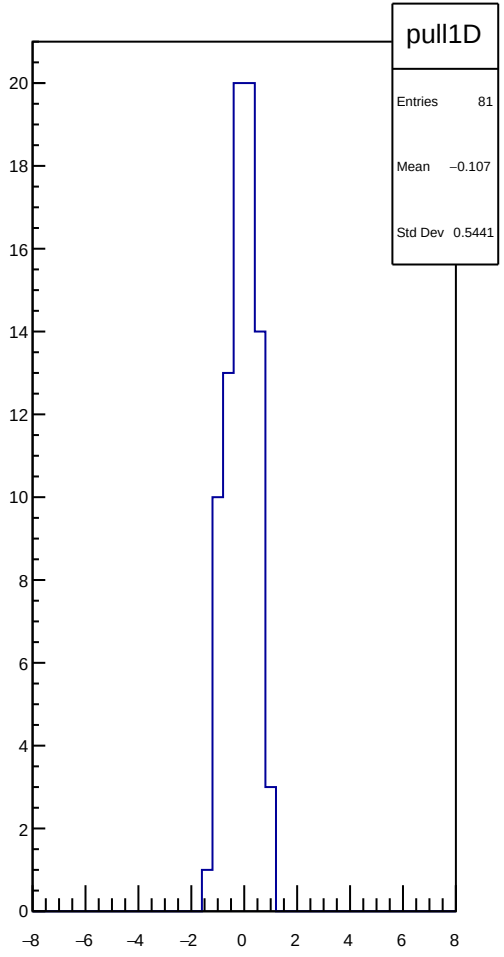

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 844 / 80
p0 160.8 ± 0.2219
pull
Entries 81
Mean 3667
Std Dev 3619

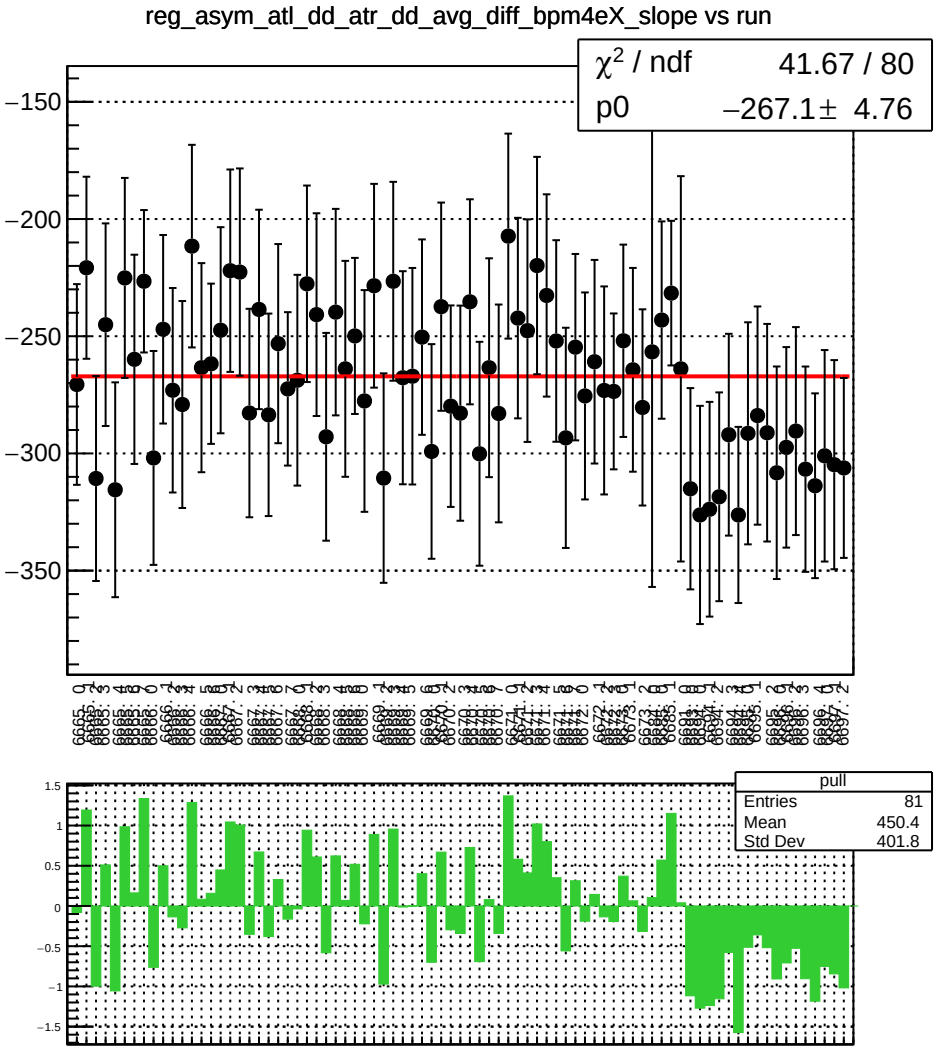

pull1D
Entries 81
Mean −0.01486
Std Dev 3.228

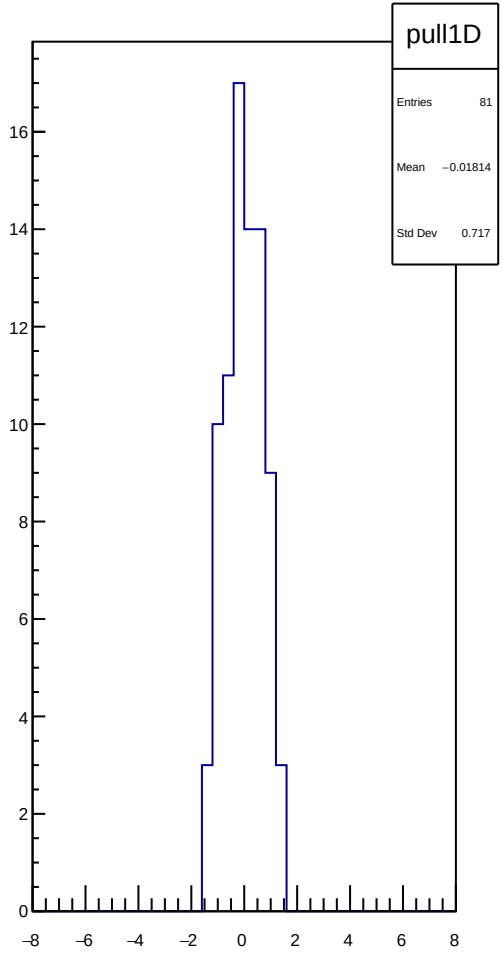

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 76.72 / 80
p0 234.5 ± 4.495
pull
Entries 81
Mean 254
Std Dev 205

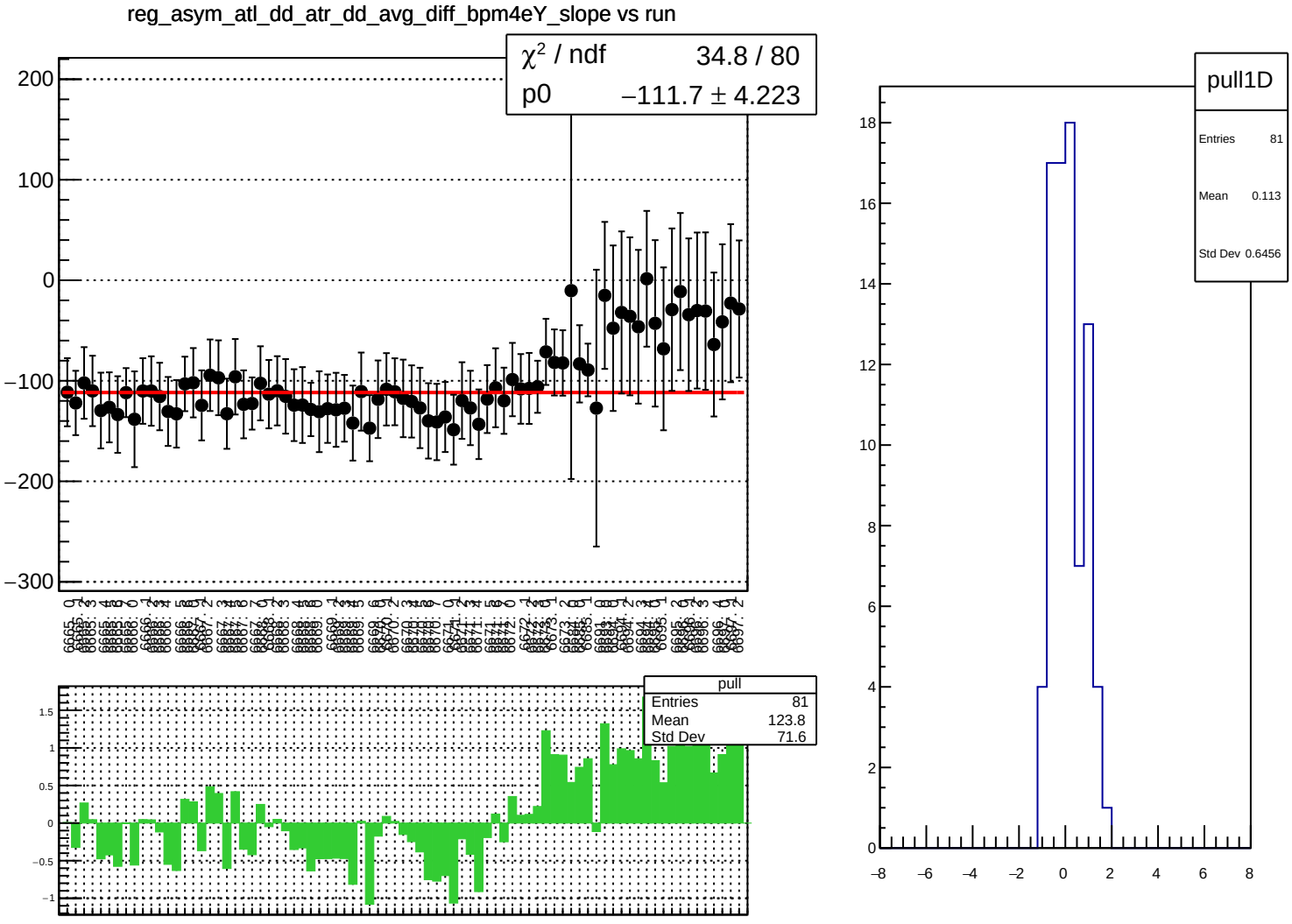

pull1D
Entries 81
Mean 0.06386
Std Dev 0.9711

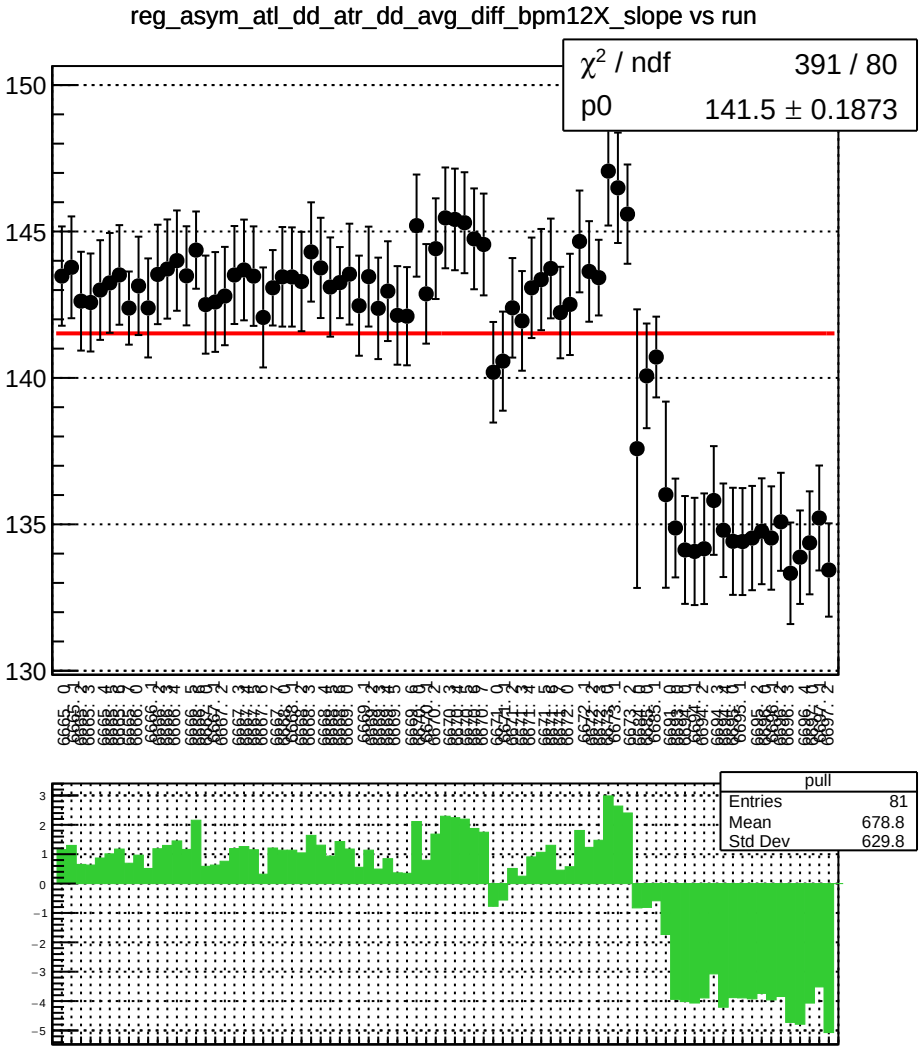

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.91 / 80
p0 18.12 ± 3.667
pull
Entries 81
Mean 108.8
Std Dev 55.5

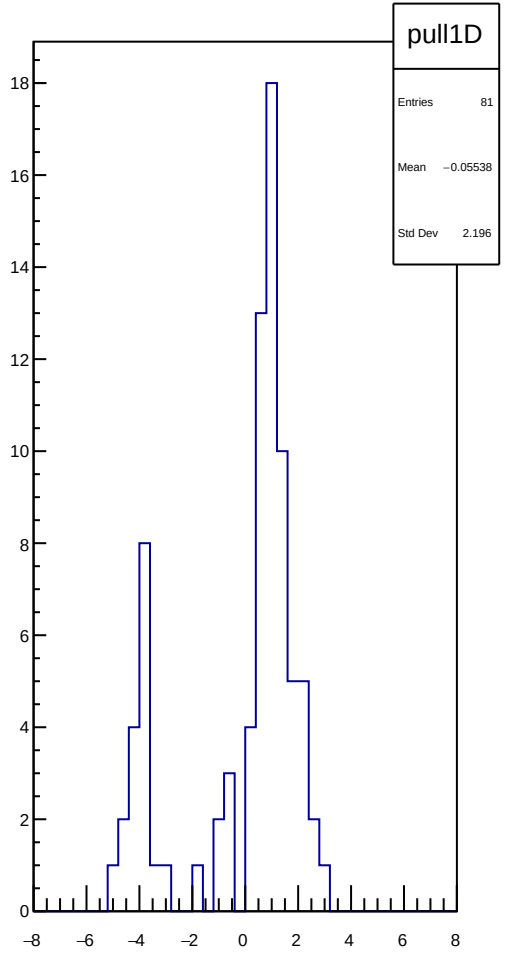

pull1D
Entries 81
Mean −0.107
Std Dev 0.5441


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 41.67 / 80
p0 −267.1± 4.76
pull
Entries 81
Mean 450.4
Std Dev 401.8

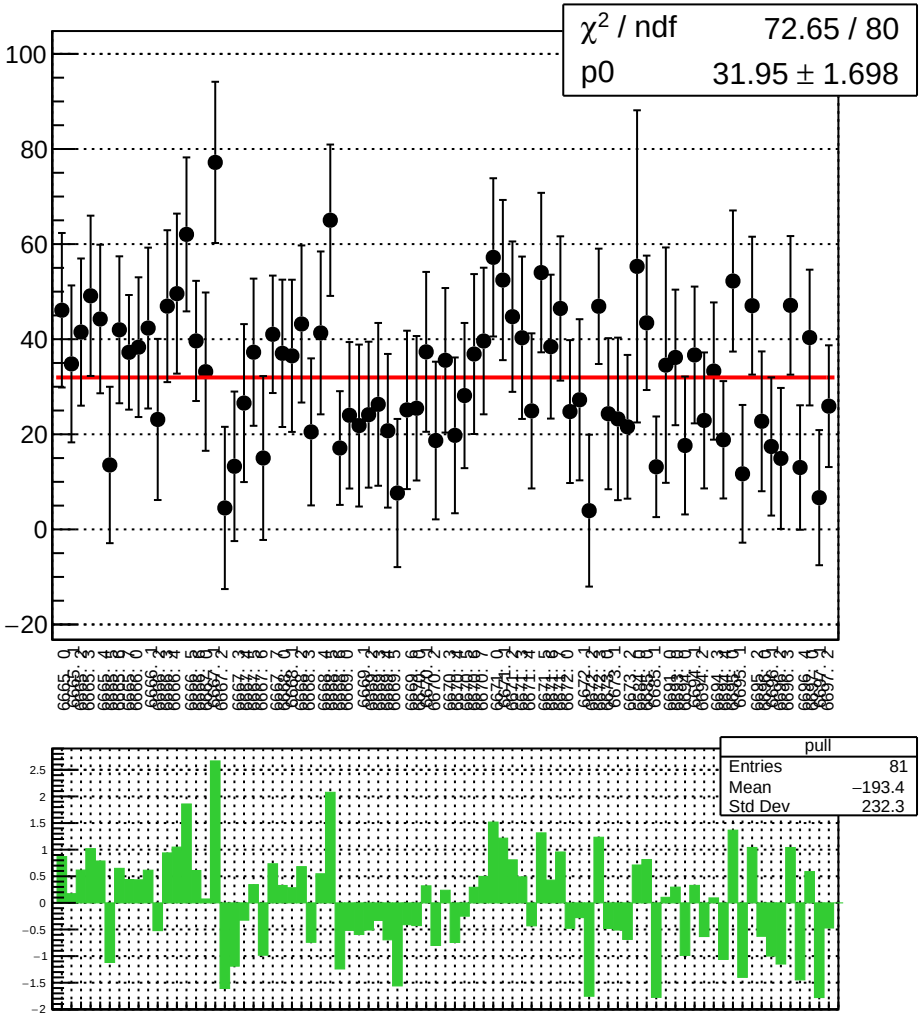

pull1D
Entries 81
Mean −0.01814
Std Dev 0.717

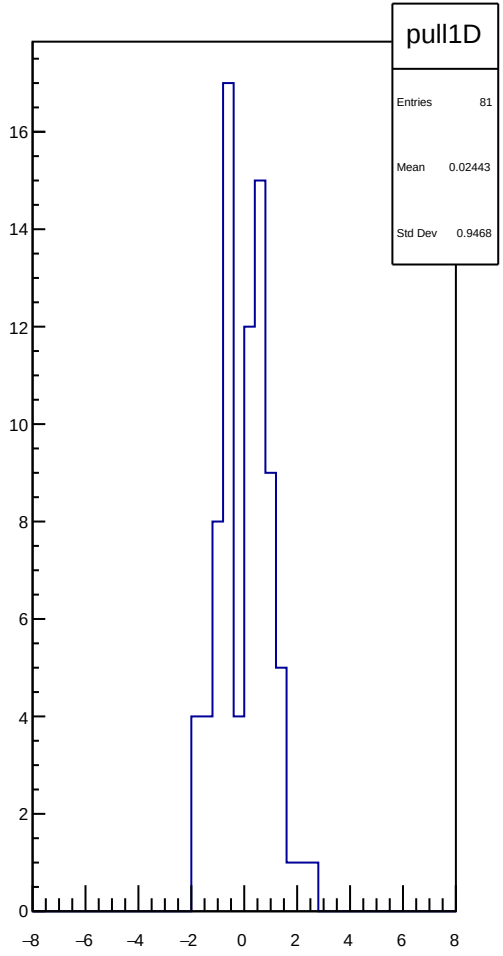

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 34.8 / 80
p0 −111.7 ± 4.223
pull
Entries 81
Mean 123.8
Std Dev 71.6
pull1D
Entries 81
Mean 0.113
Std Dev 0.6456

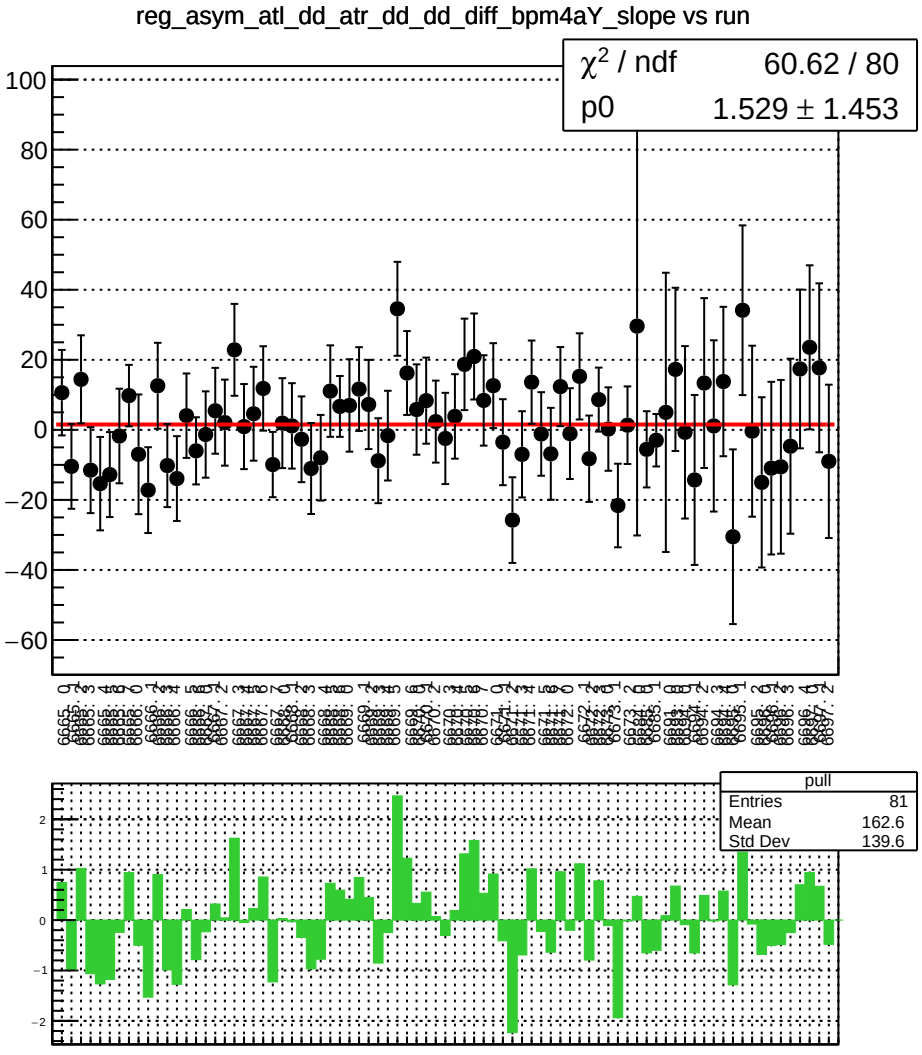

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 391 / 80
p0 141.5 ± 0.1873
pull
Entries 81
Mean 678.8
Std Dev 629.8

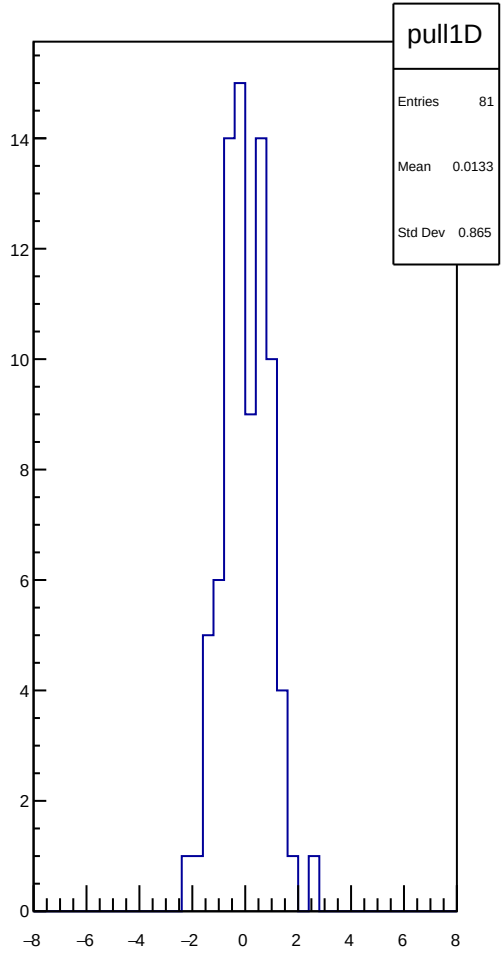

pull1D
Entries 81
Mean −0.05538
Std Dev 2.196

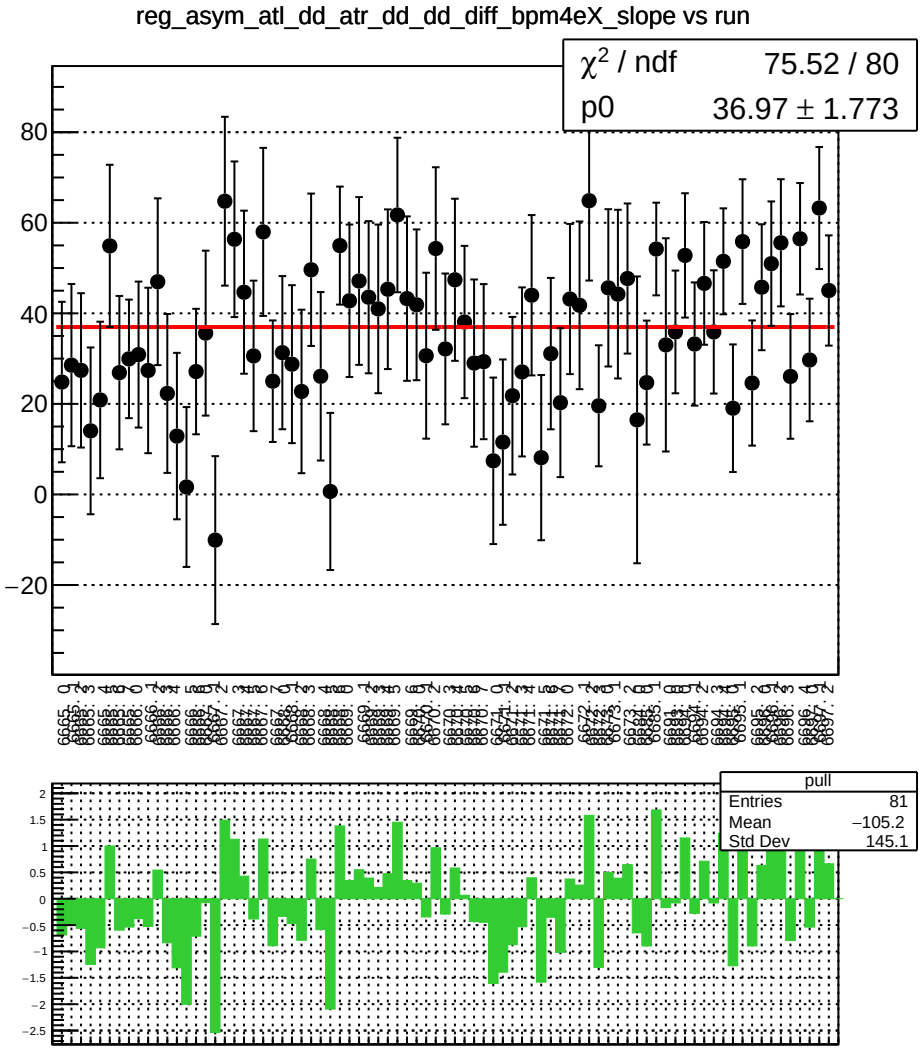
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

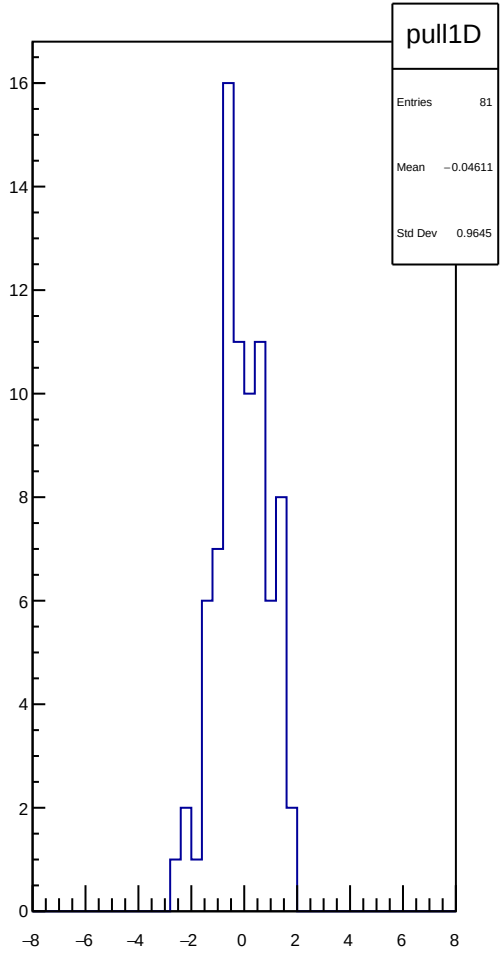


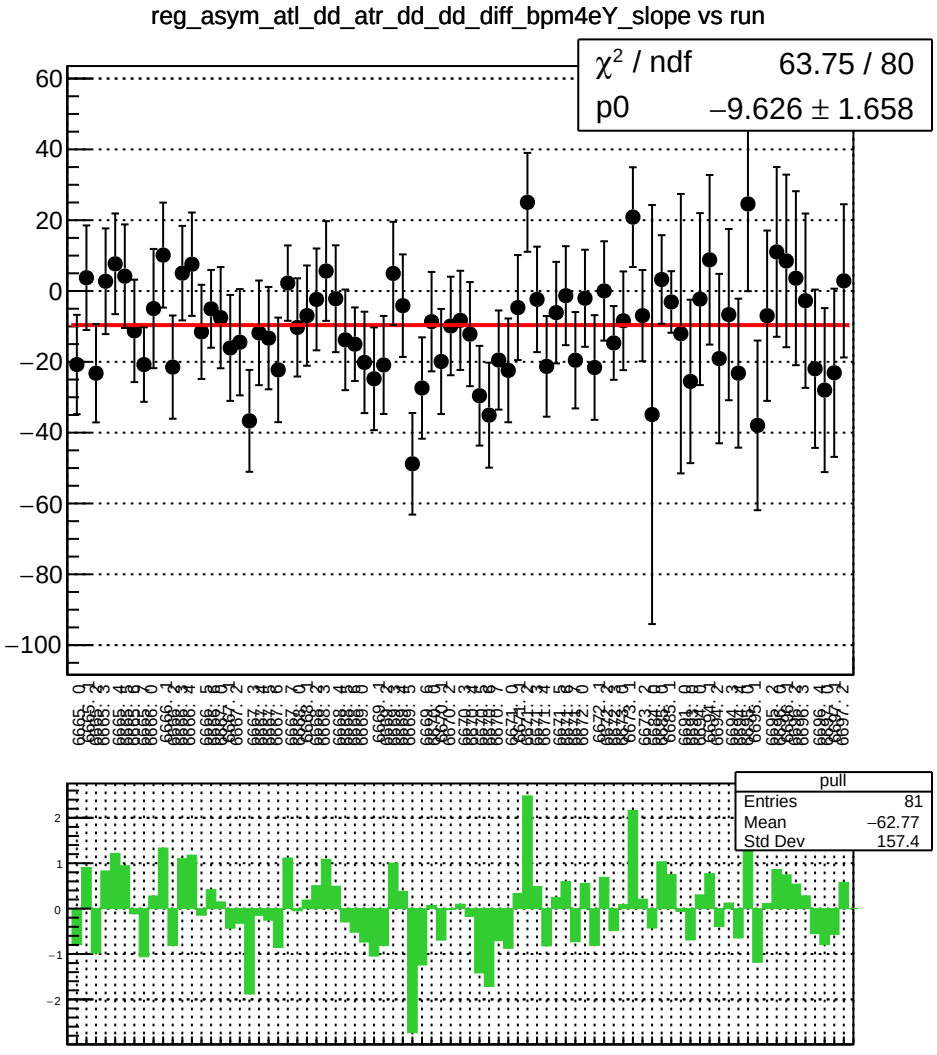


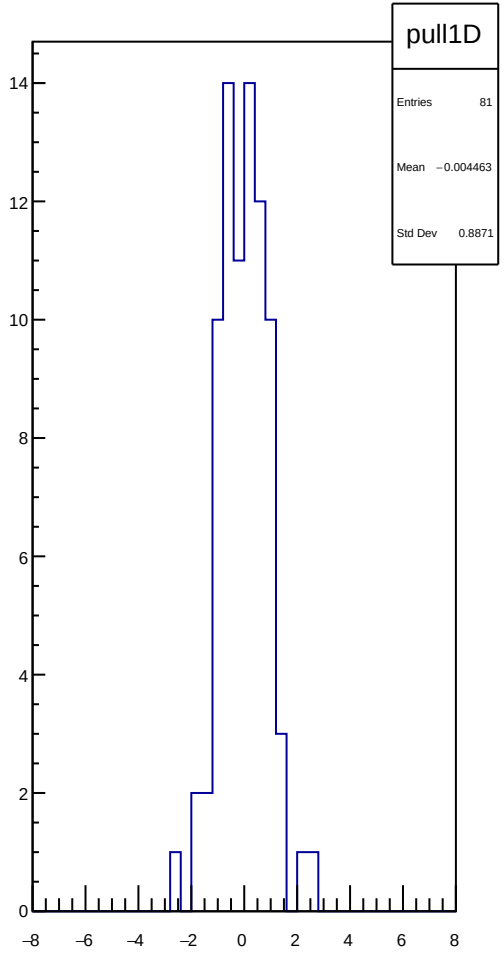

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.62 / 80
p0 1.529 ± 1.453
pull
Entries 81
Mean 162.6
Std Dev 139.6

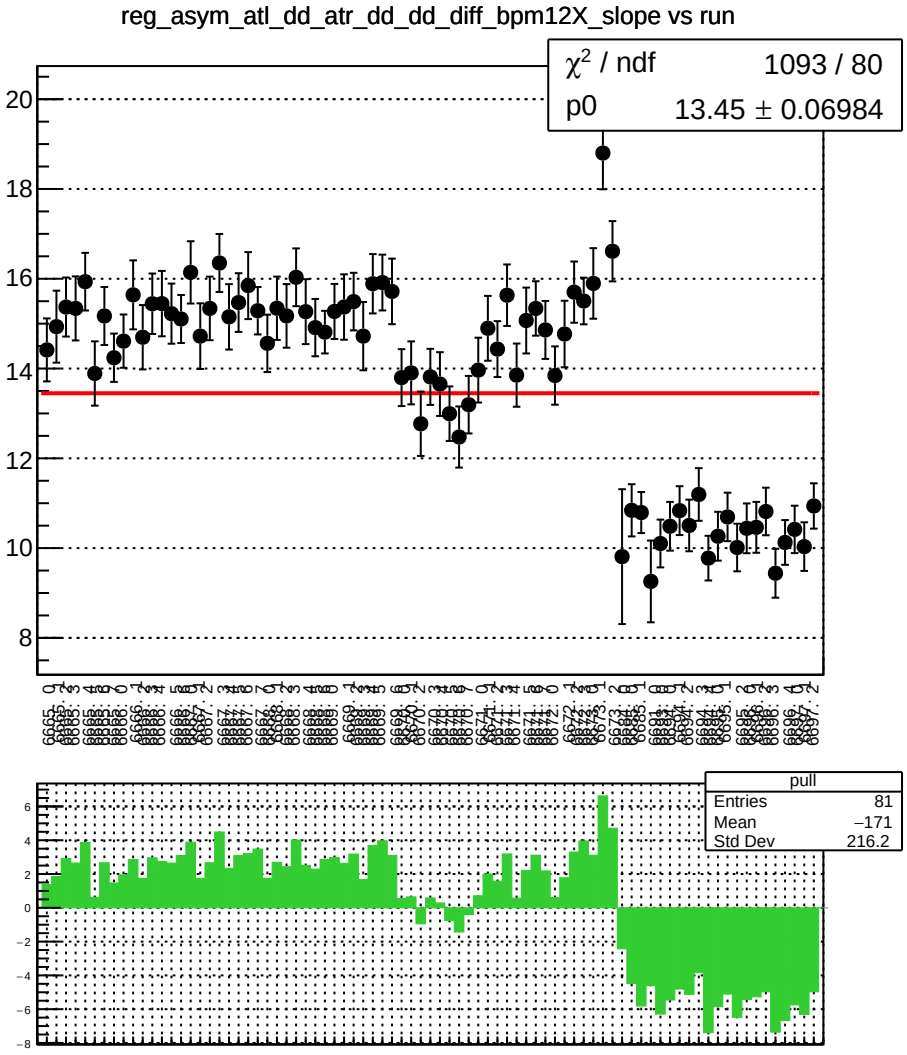

pull1D
Entries 81
Mean 0.0133
Std Dev 0.865

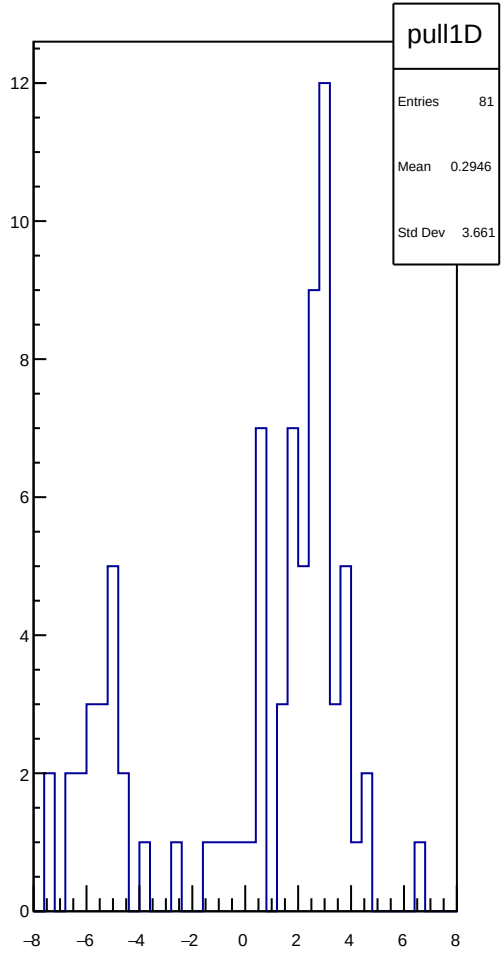

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.52 / 80
p0 36.97 ± 1.773
pull
Entries 81
Mean −105.2
Std Dev 145.1

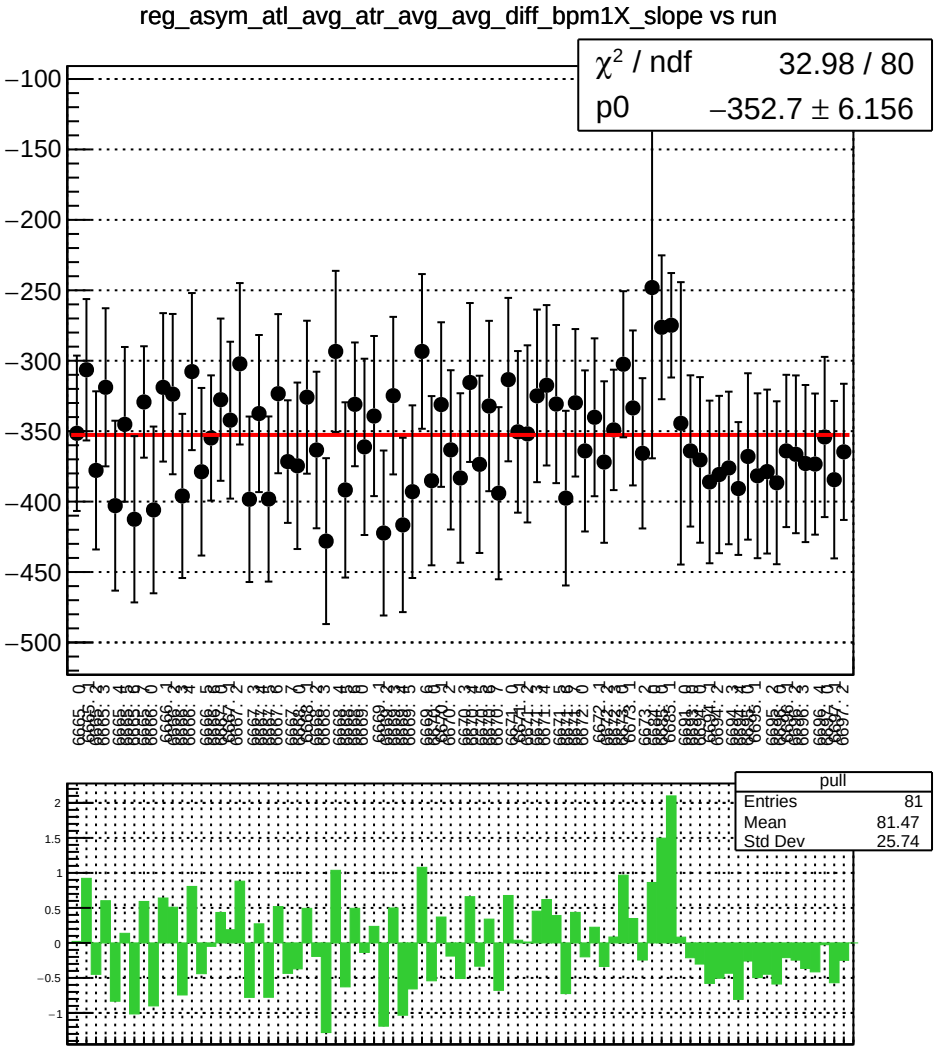

pull1D
Entries 81
Mean −0.04611
Std Dev 0.9645

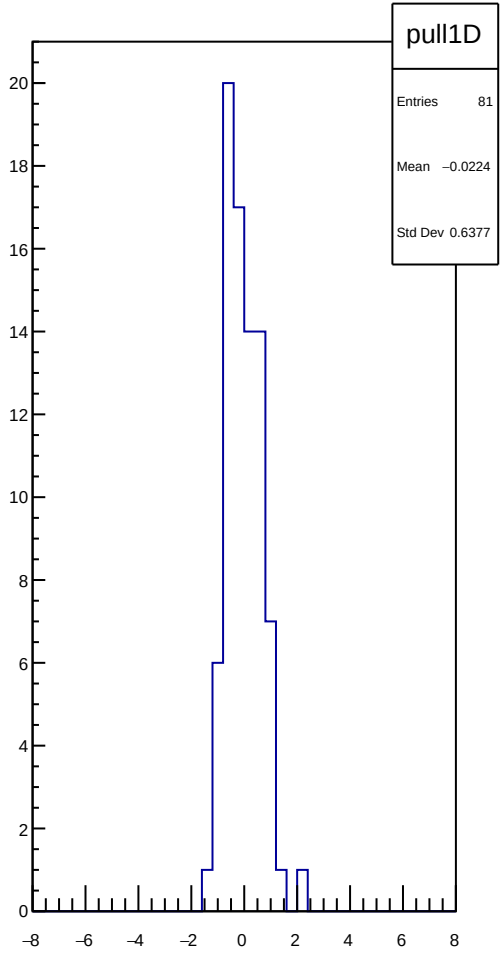

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 63.75 / 80
p0 −9.626 ± 1.658
pull
Entries 81
Mean −62.77
Std Dev 157.4


pull1D
Entries 81
Mean −0.004463
Std Dev 0.8871

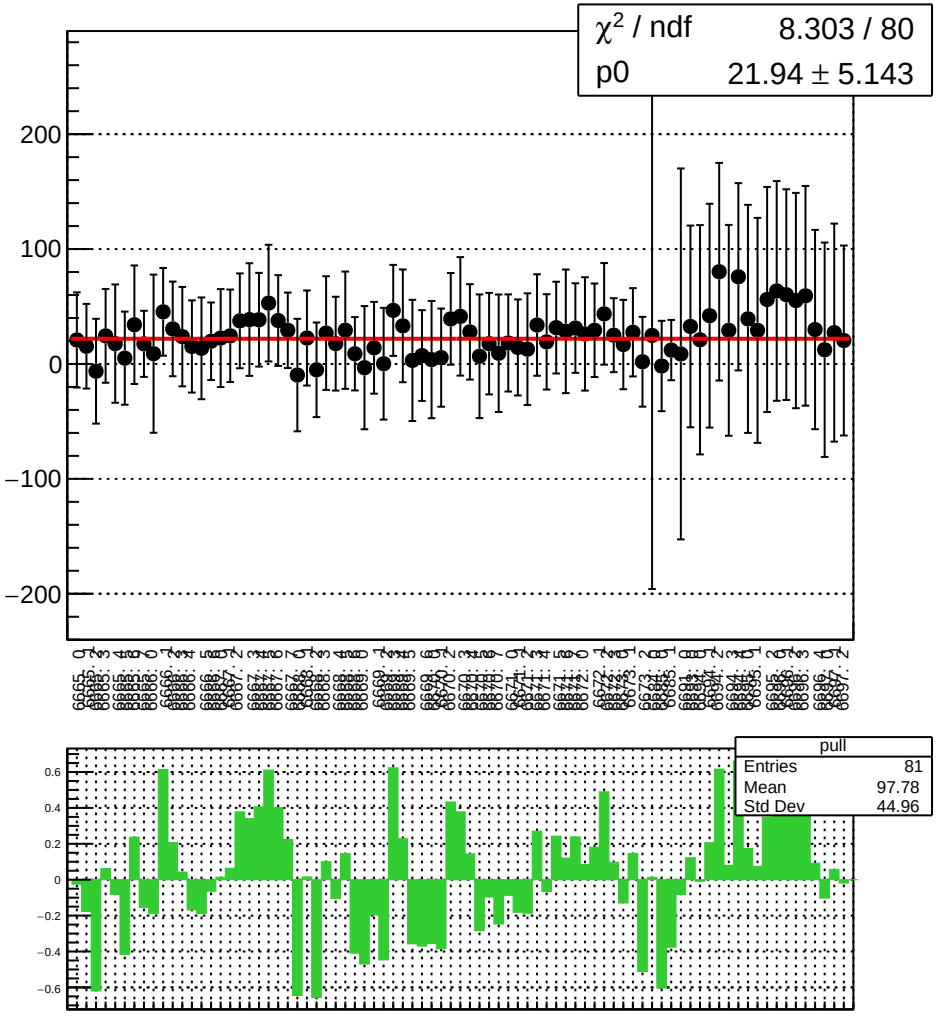

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 1093 / 80
p0 13.45 ± 0.06984
pull
Entries 81
Mean −171
Std Dev 216.2

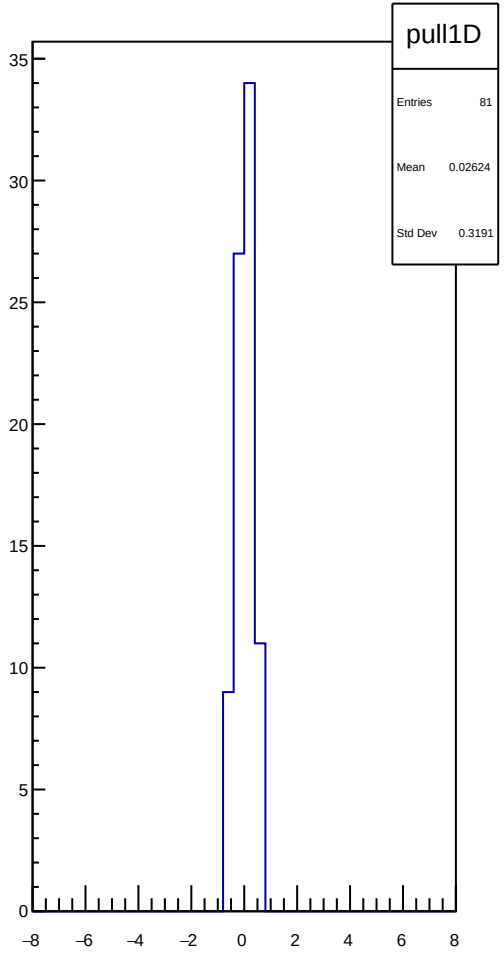

pull1D
Entries 81
Mean 0.2946
Std Dev 3.661

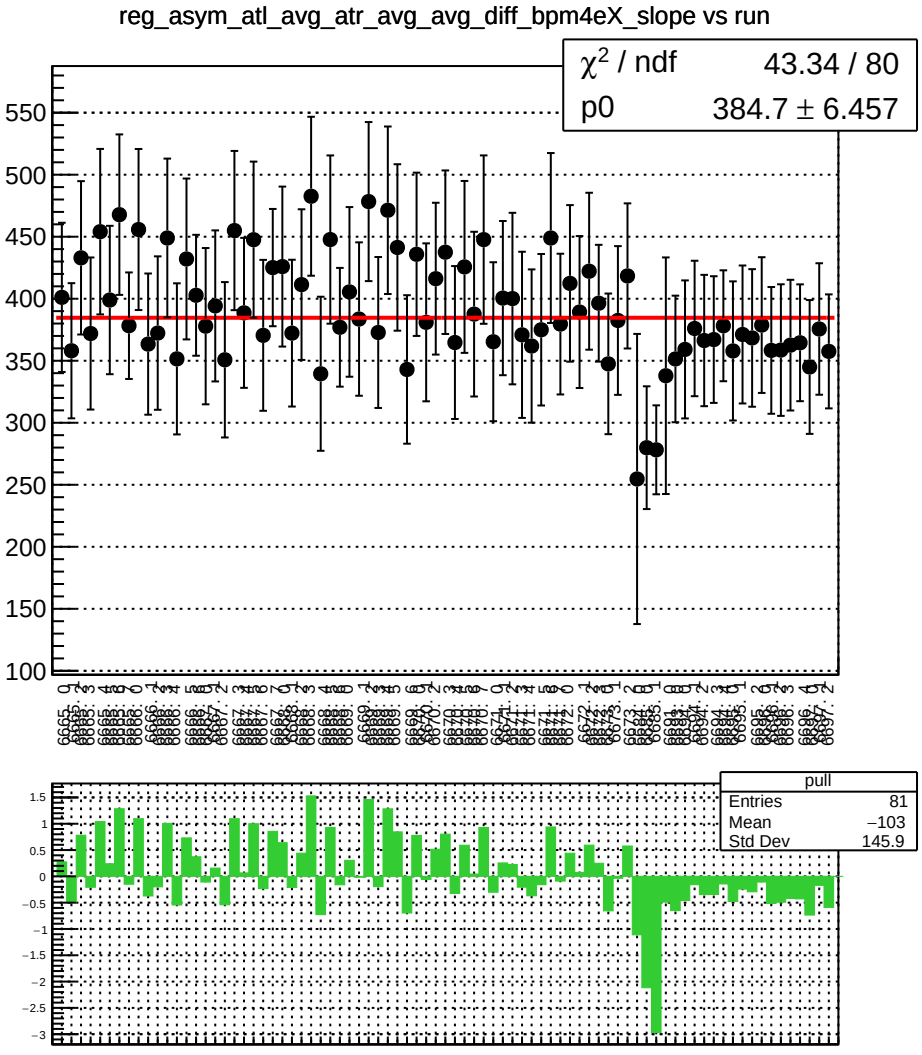

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 32.98 / 80
p0 −352.7 ± 6.156
pull
Entries 81
Mean 81.47
Std Dev 25.74

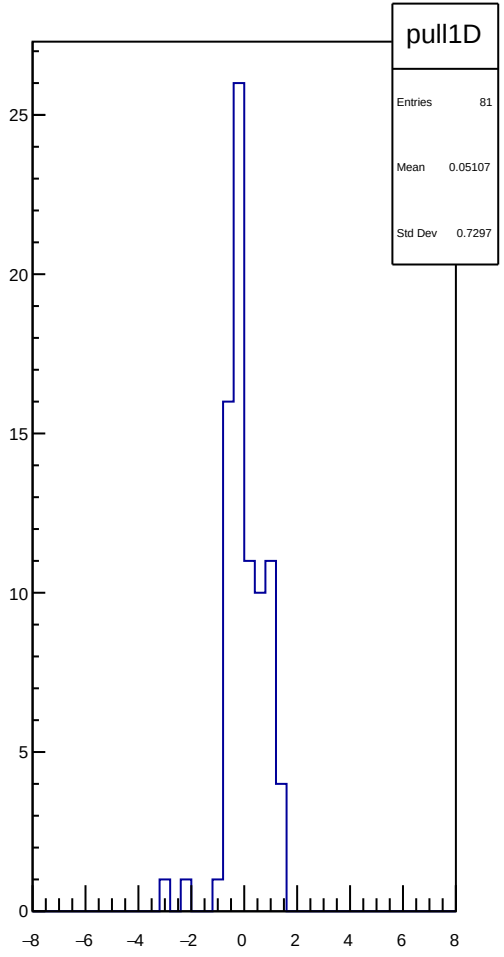

pull1D
Entries 81
Mean −0.0224
Std Dev 0.6377

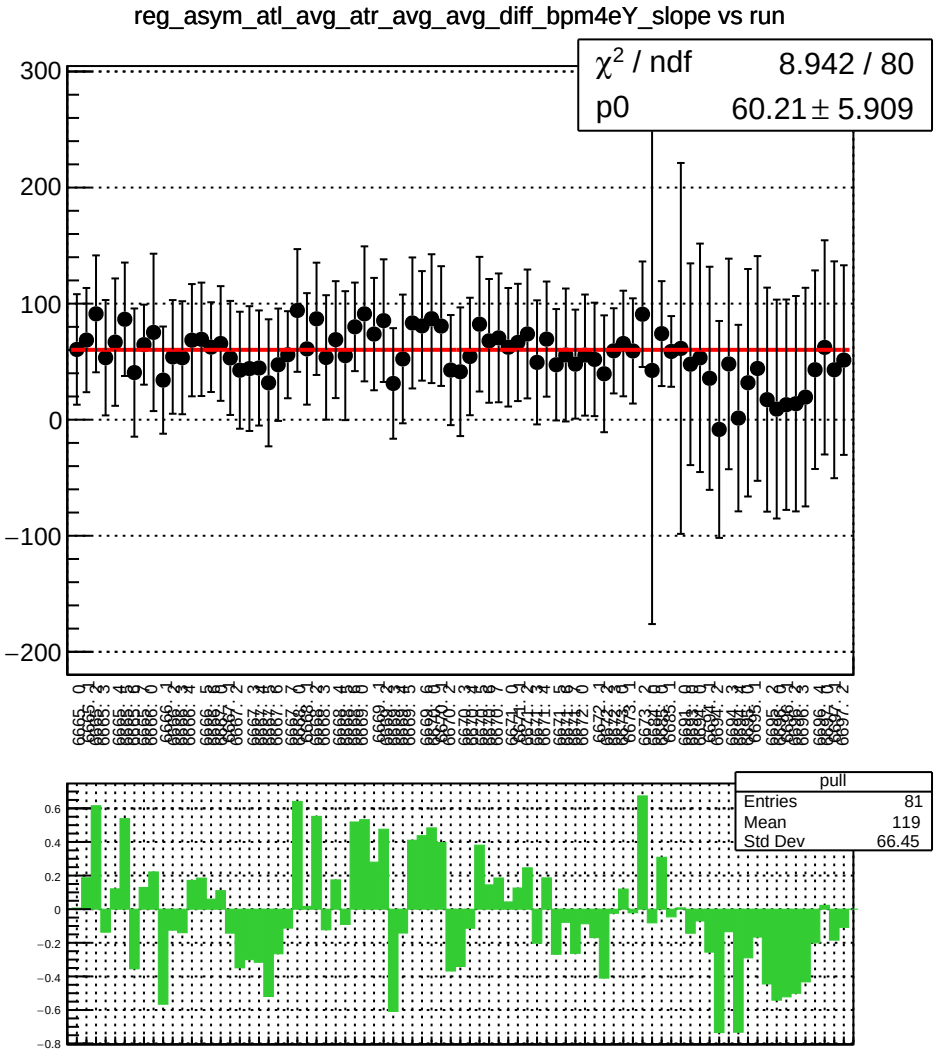
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run

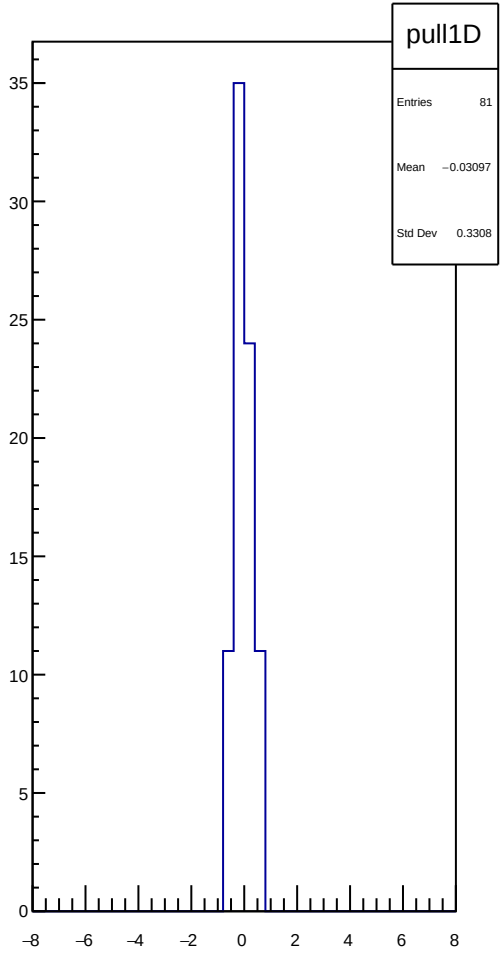




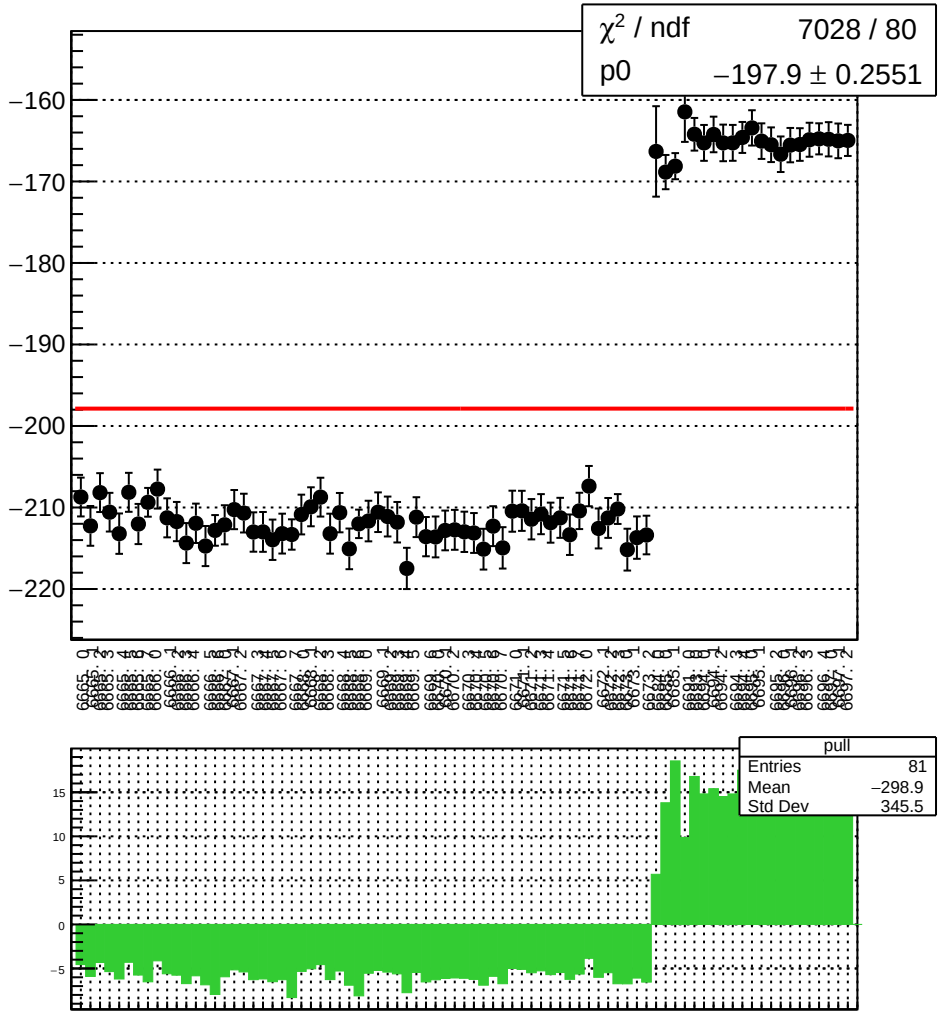

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.34 / 80
p0 384.7 ± 6.457
pull
Entries 81
Mean −103
Std Dev 145.9

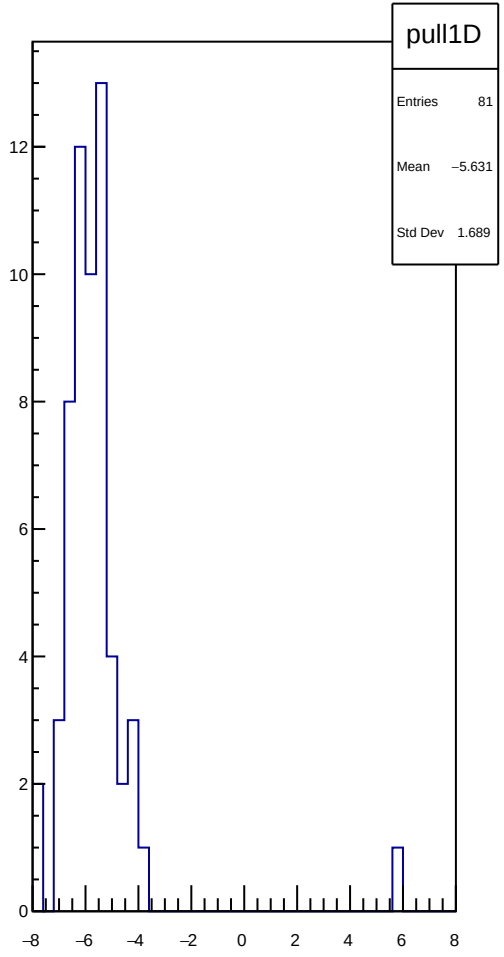

pull1D
Entries 81
Mean 0.05107
Std Dev 0.7297

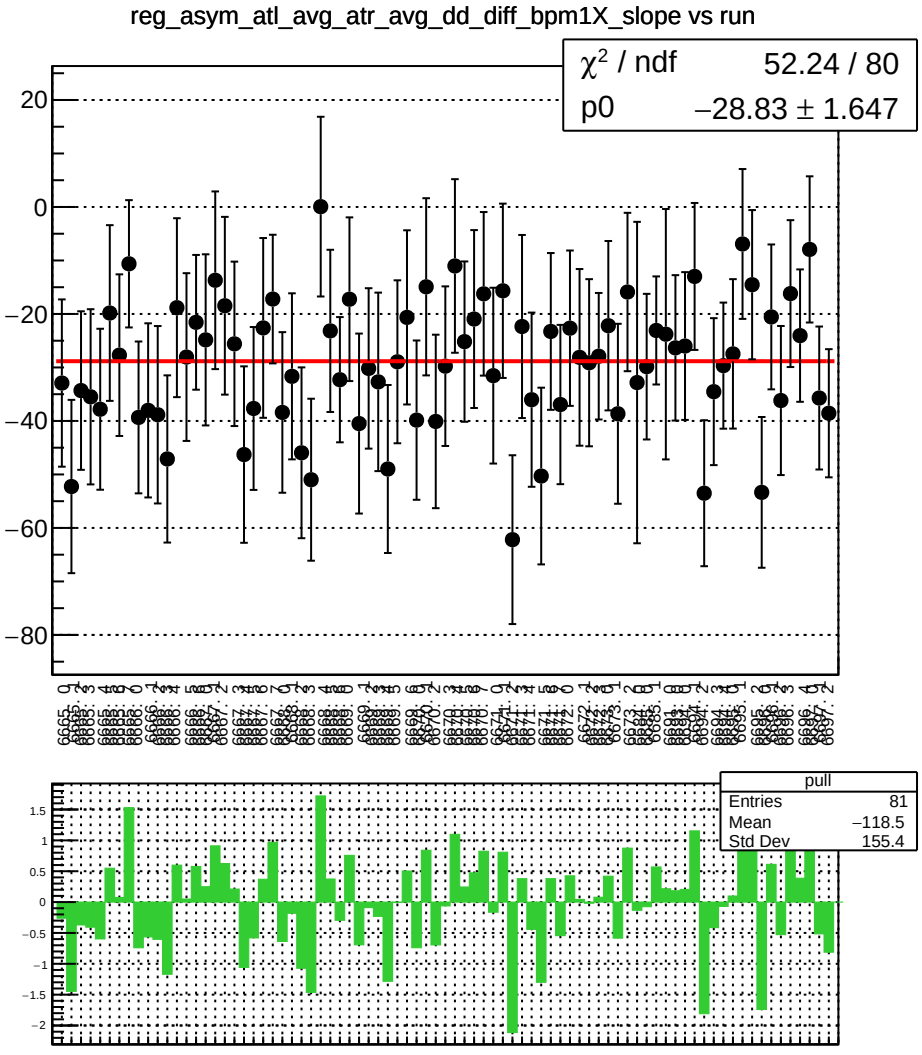

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.942 / 80
p0 60.21 ± 5.909
pull
Entries 81
Mean 119
Std Dev 66.45

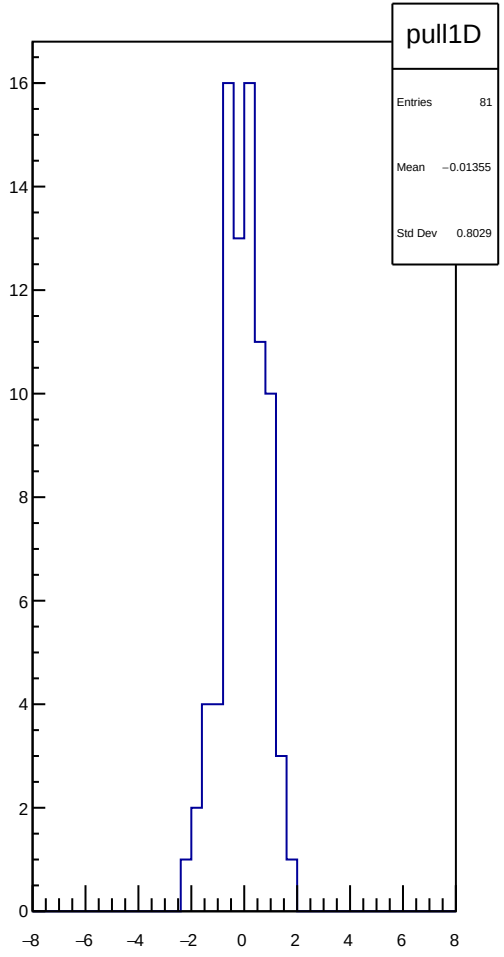

pull1D
Entries 81
Mean −0.03097
Std Dev 0.3308

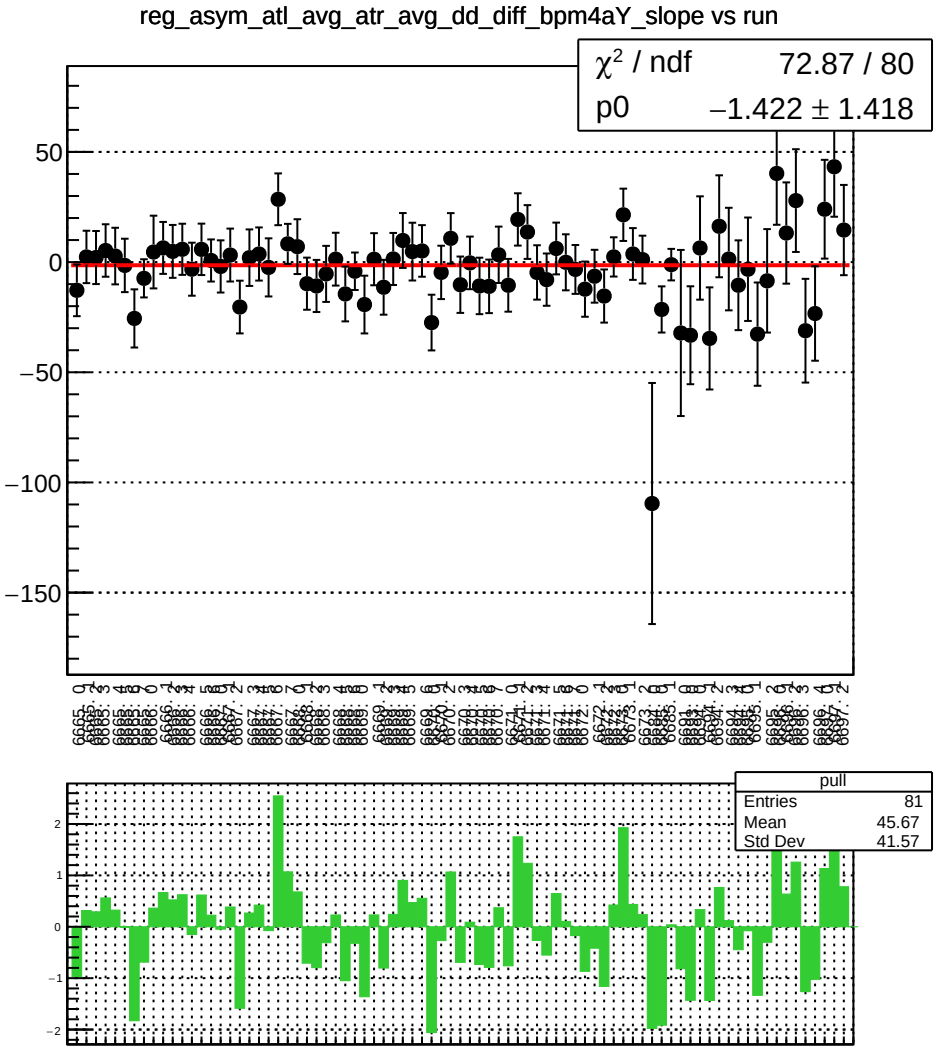
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

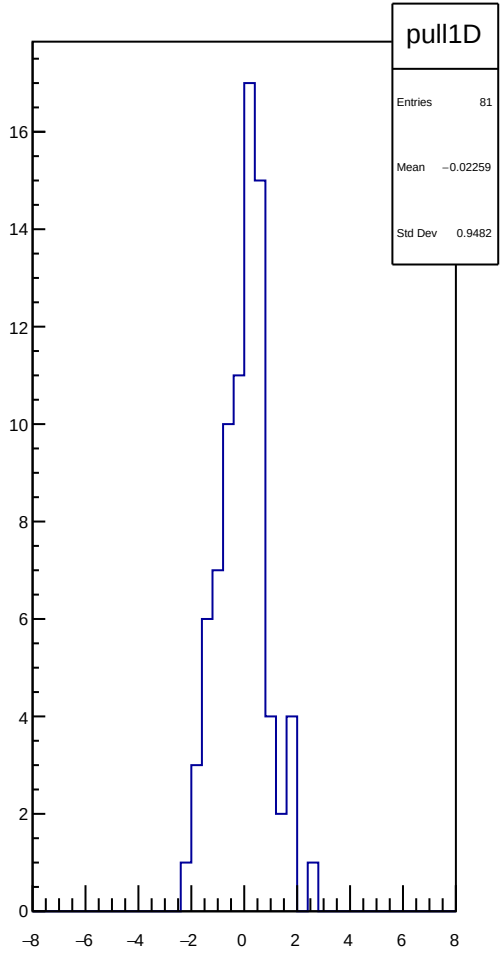


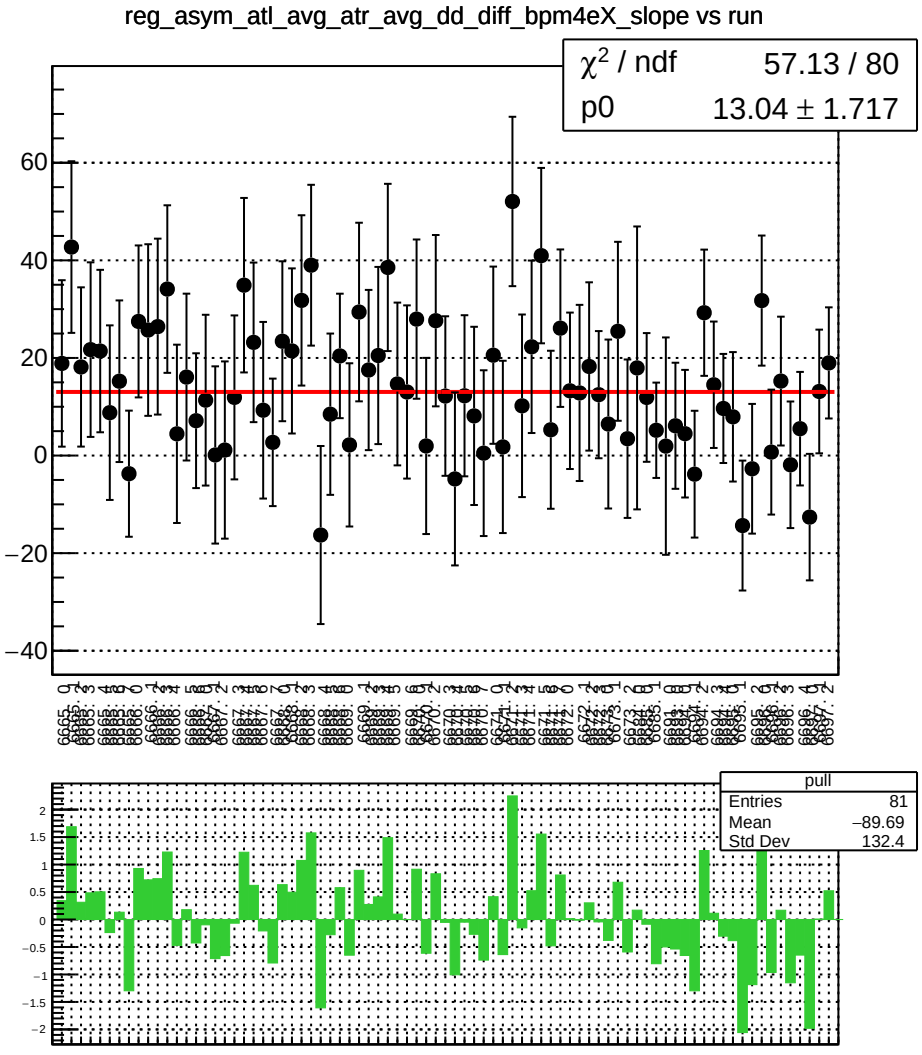


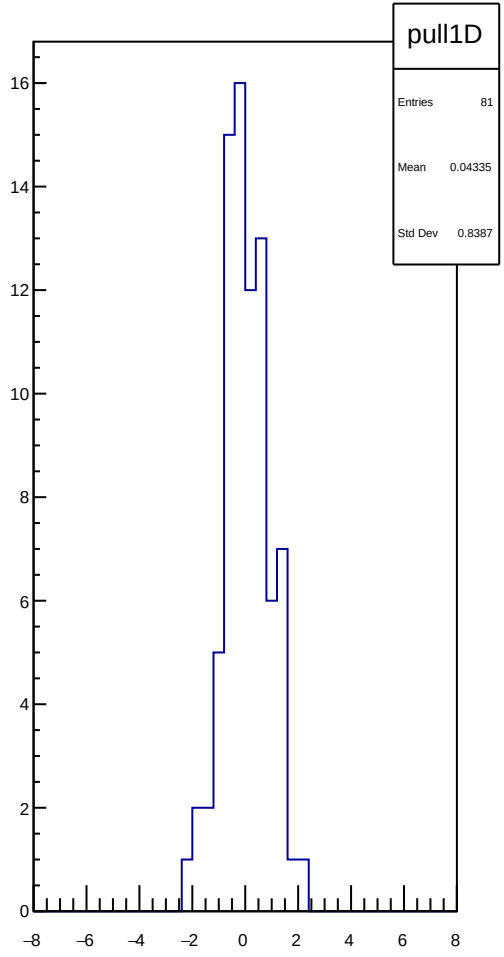

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 52.24 / 80
p0 −28.83 ± 1.647
pull
Entries 81
Mean −118.5
Std Dev 155.4


pull1D
Entries 81
Mean −0.01355
Std Dev 0.8029

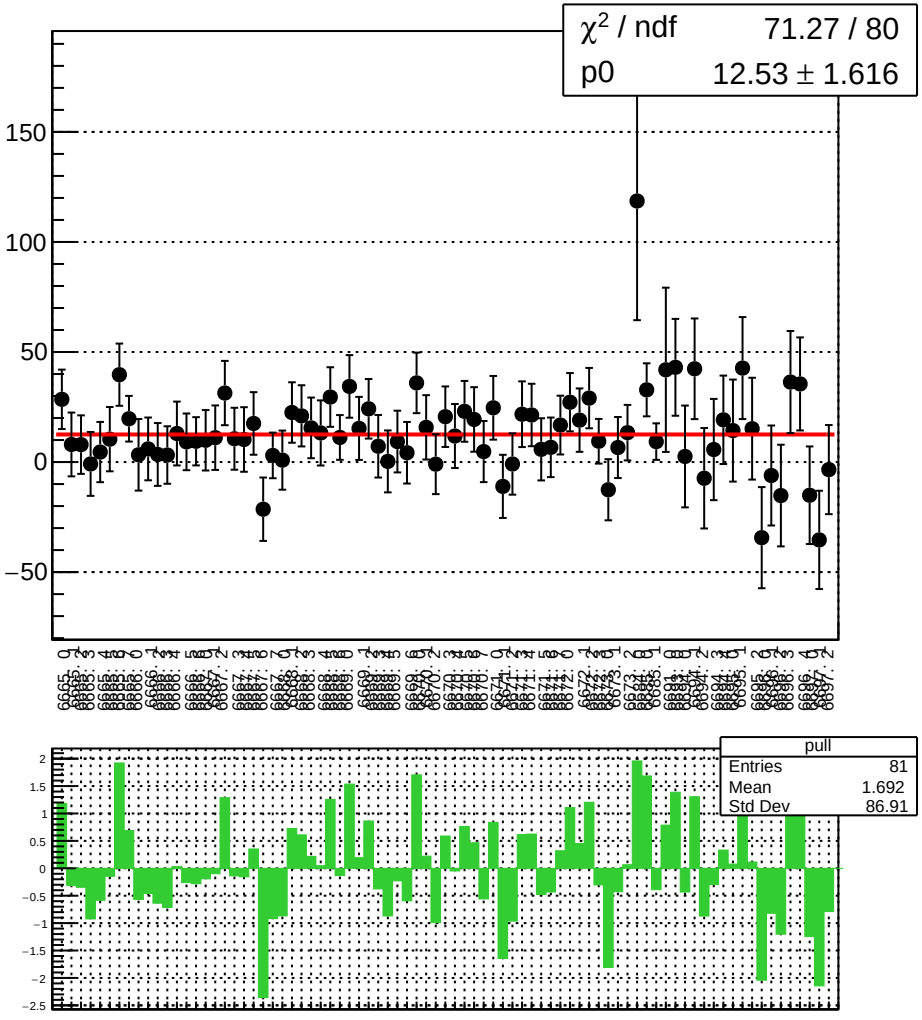

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.87 / 80
p0 −1.422 ± 1.418
pull
Entries 81
Mean 45.67
Std Dev 41.57

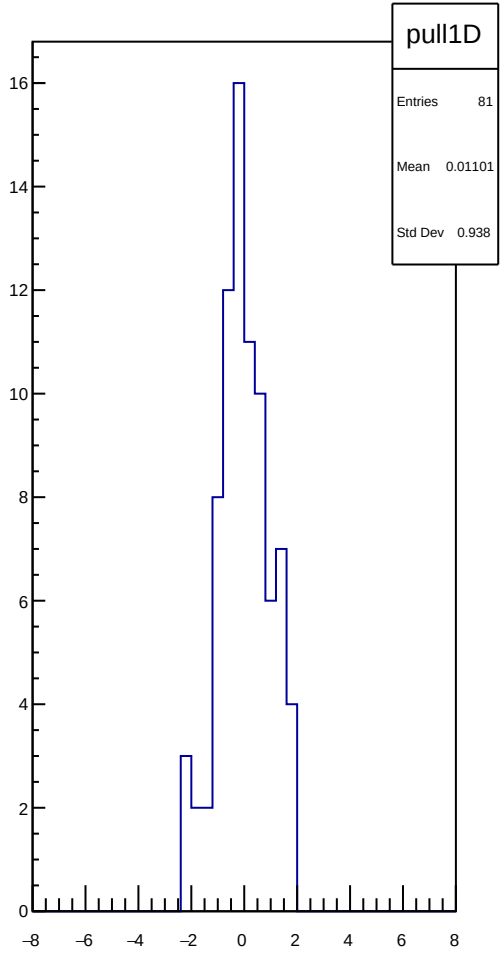

pull1D
Entries 81
Mean −0.02259
Std Dev 0.9482


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.13 / 80
p0 13.04 ± 1.717
pull
Entries 81
Mean −89.69
Std Dev 132.4

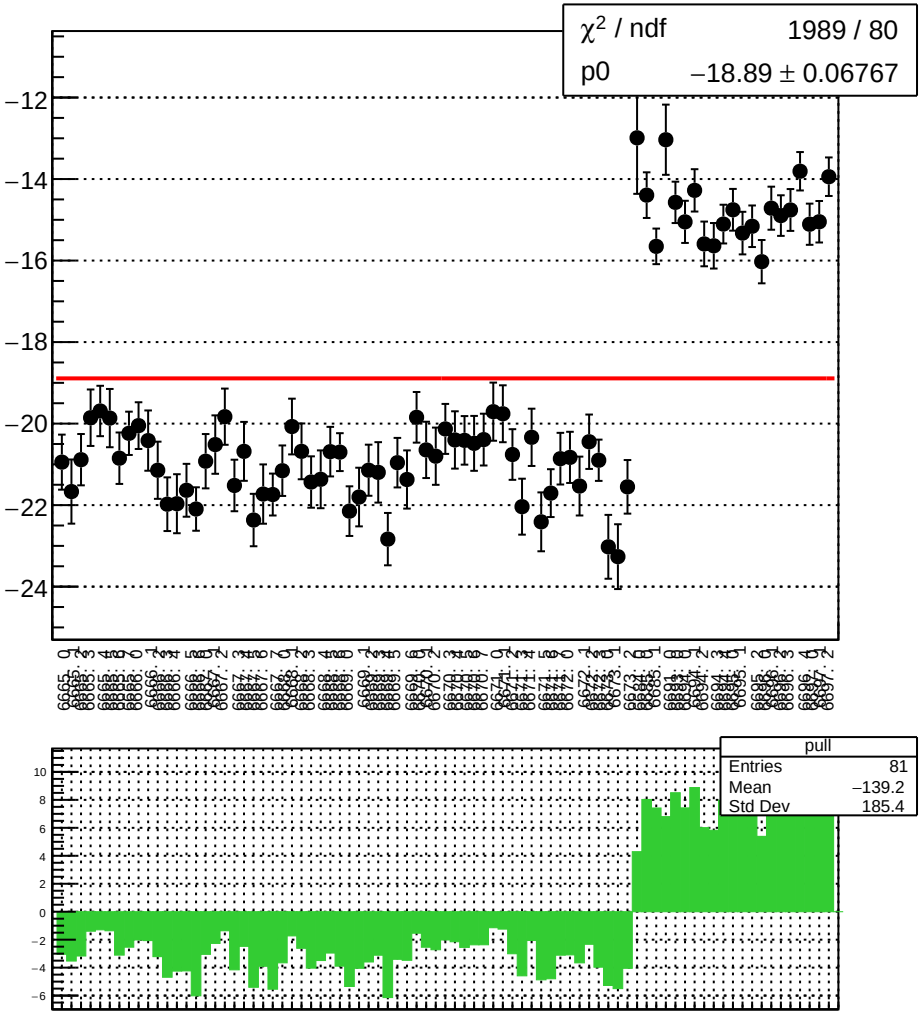

pull1D
Entries 81
Mean 0.04335
Std Dev 0.8387

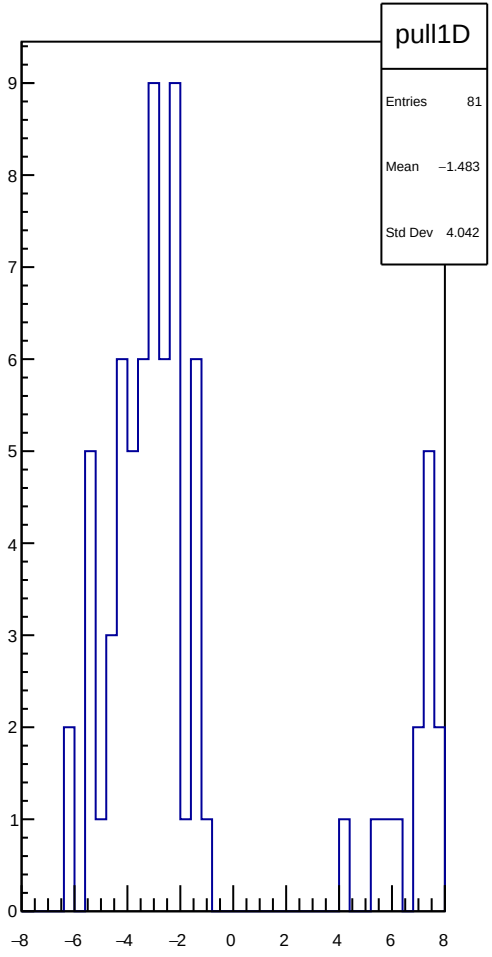
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

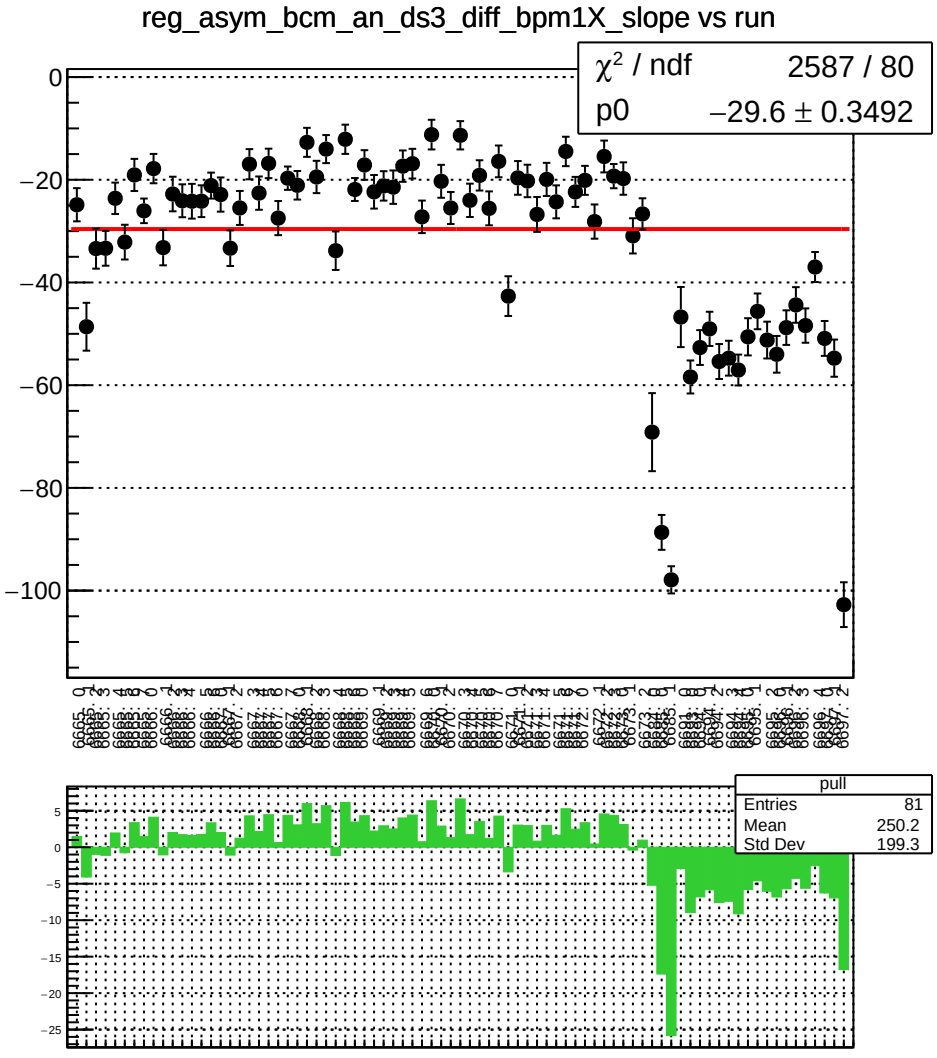


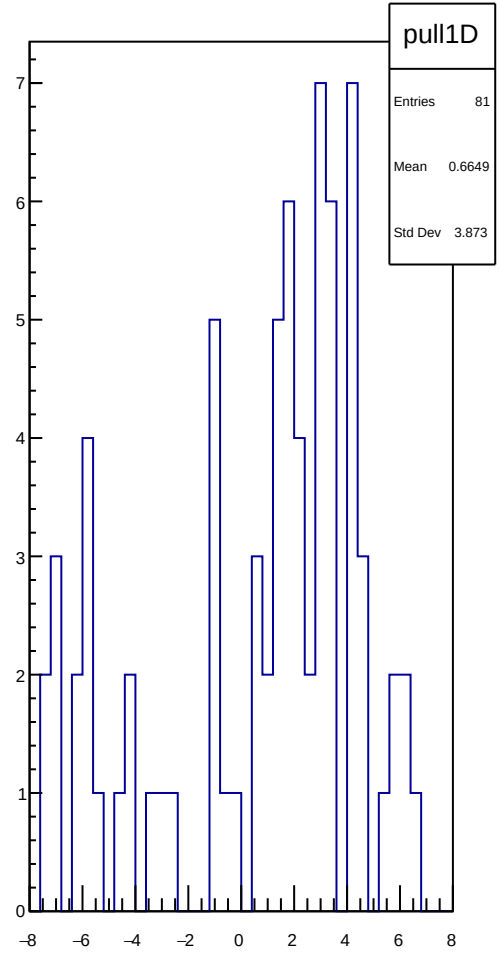


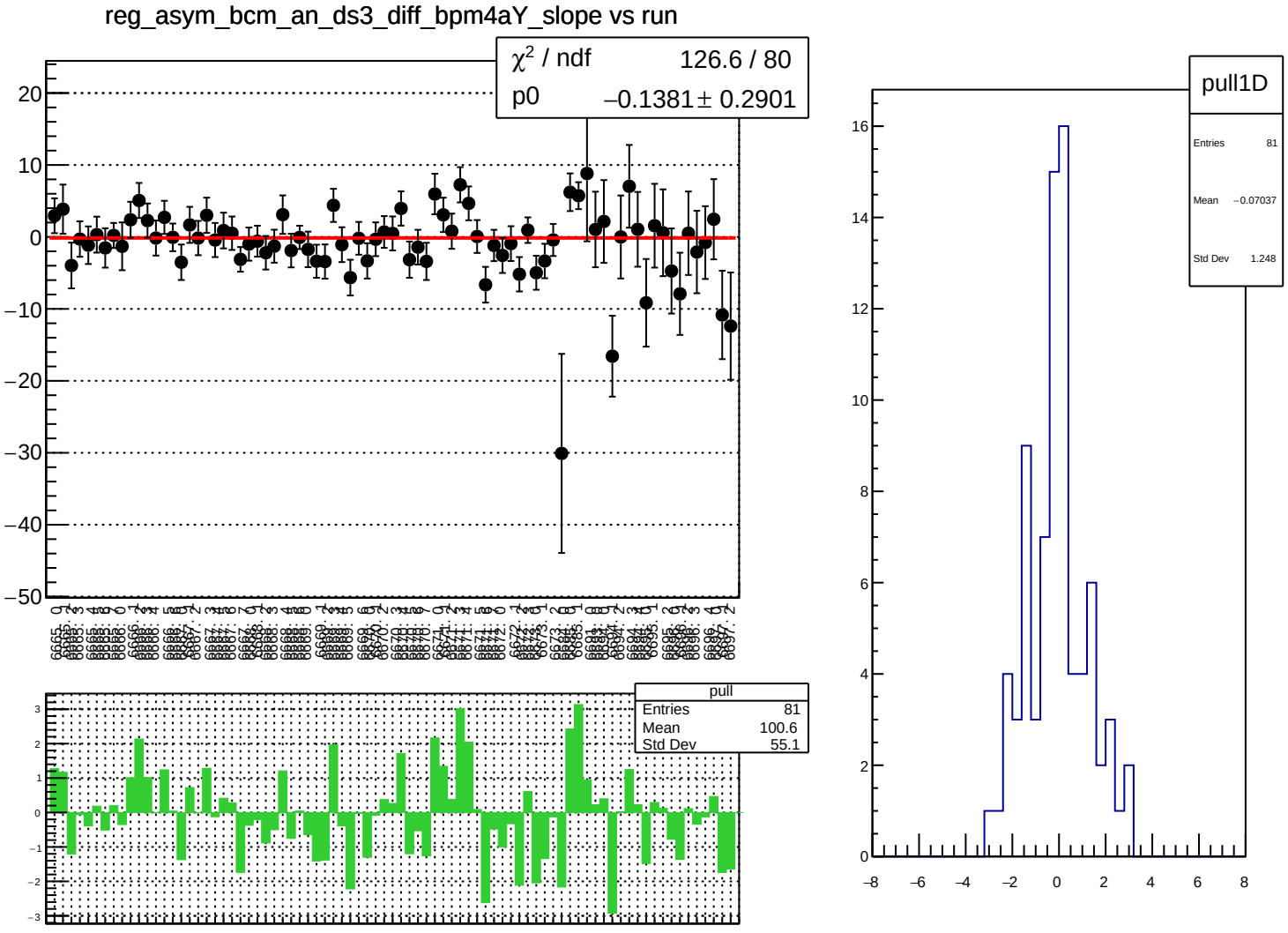
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

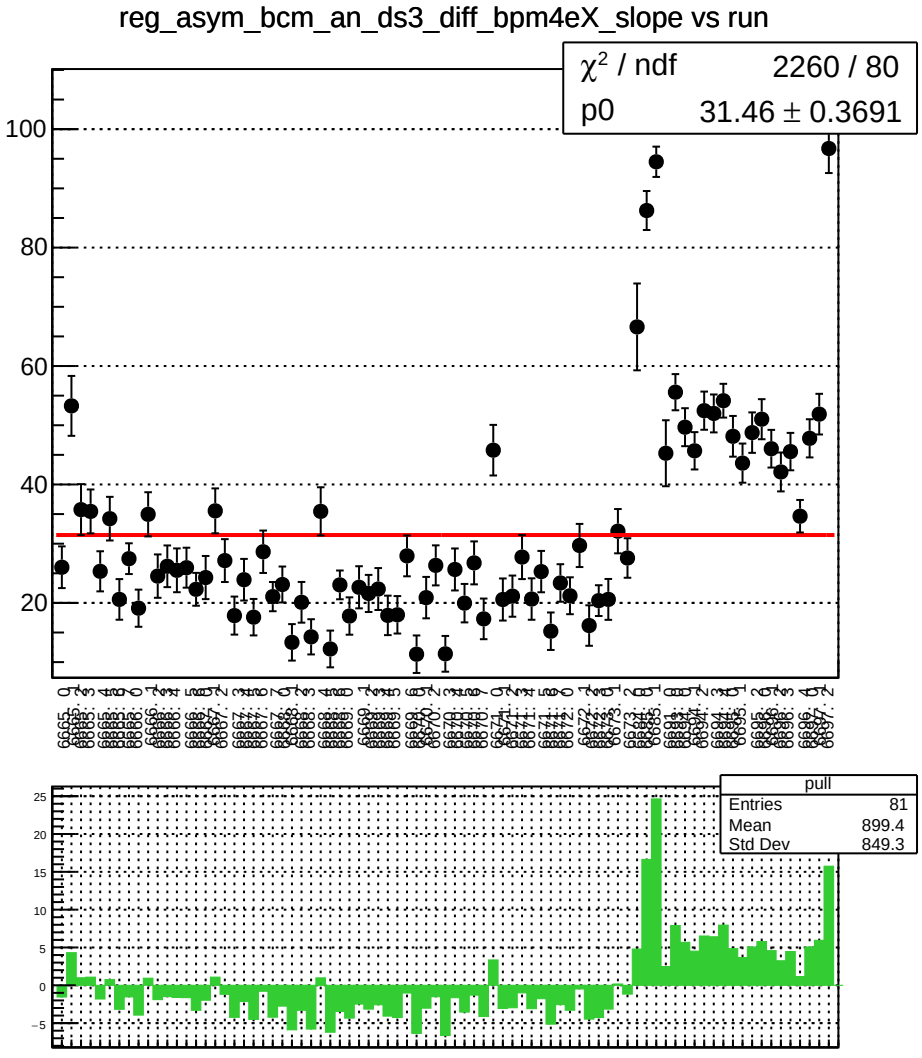


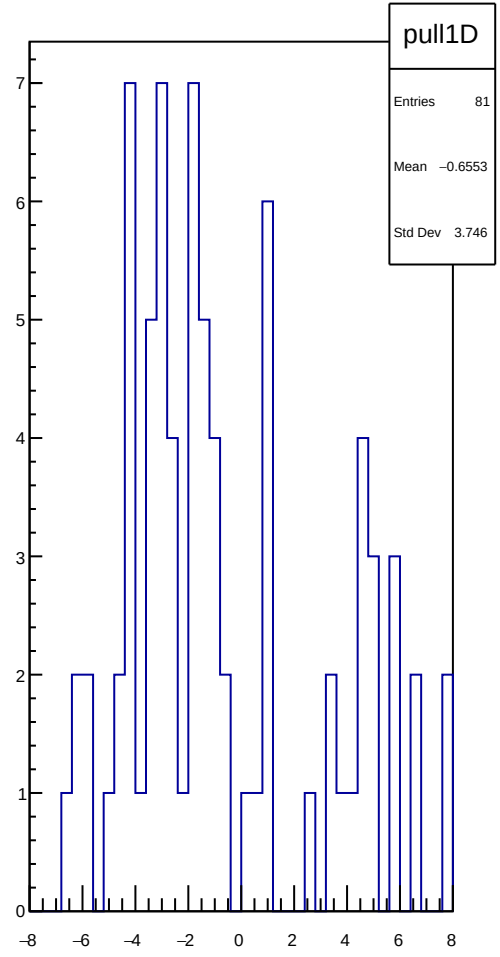


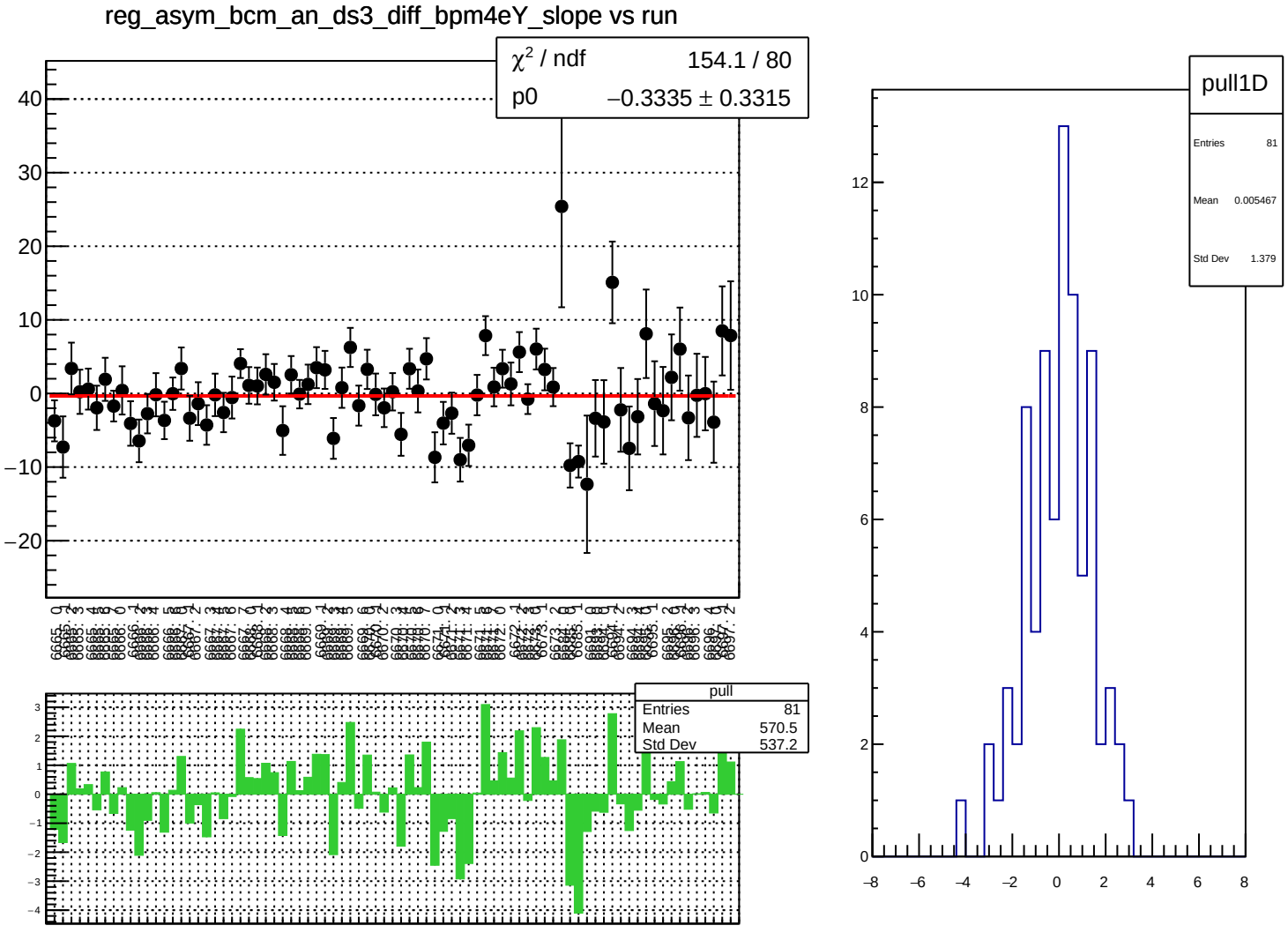

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 2587 / 80
p0 −29.6 ± 0.3492
pull
Entries 81
Mean 250.2
Std Dev 199.3

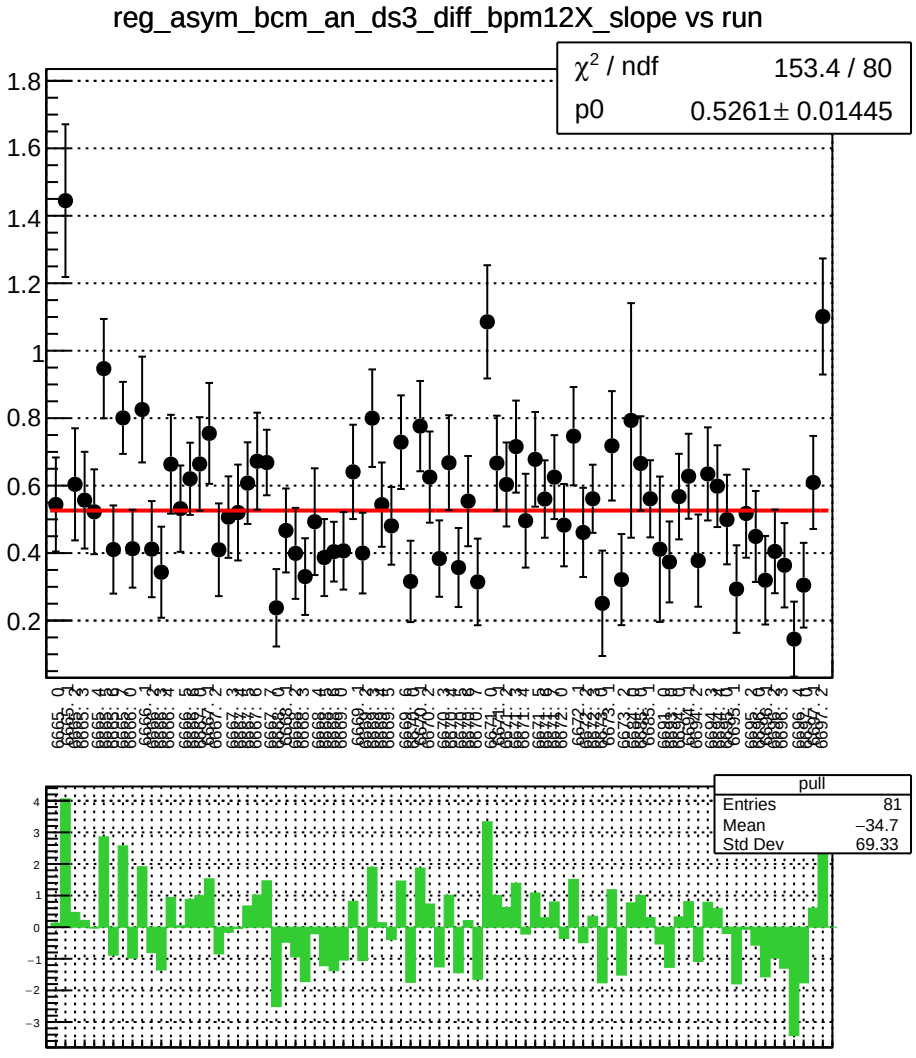

pull1D
Entries 81
Mean 0.6649
Std Dev 3.873

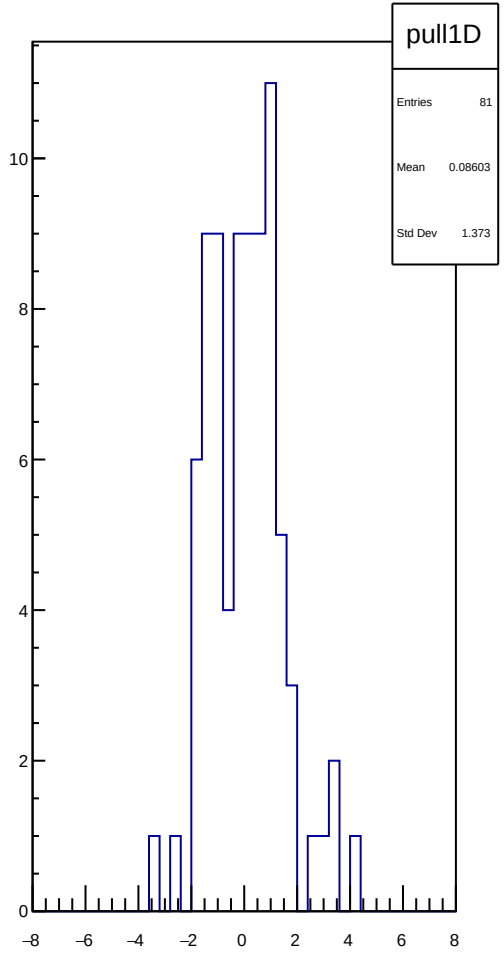

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 80
p0 −0.1381 ± 0.2901
pull
Entries 81
Mean 100.6
Std Dev 55.1
pull1D
Entries 81
Mean −0.07037
Std Dev 1.248

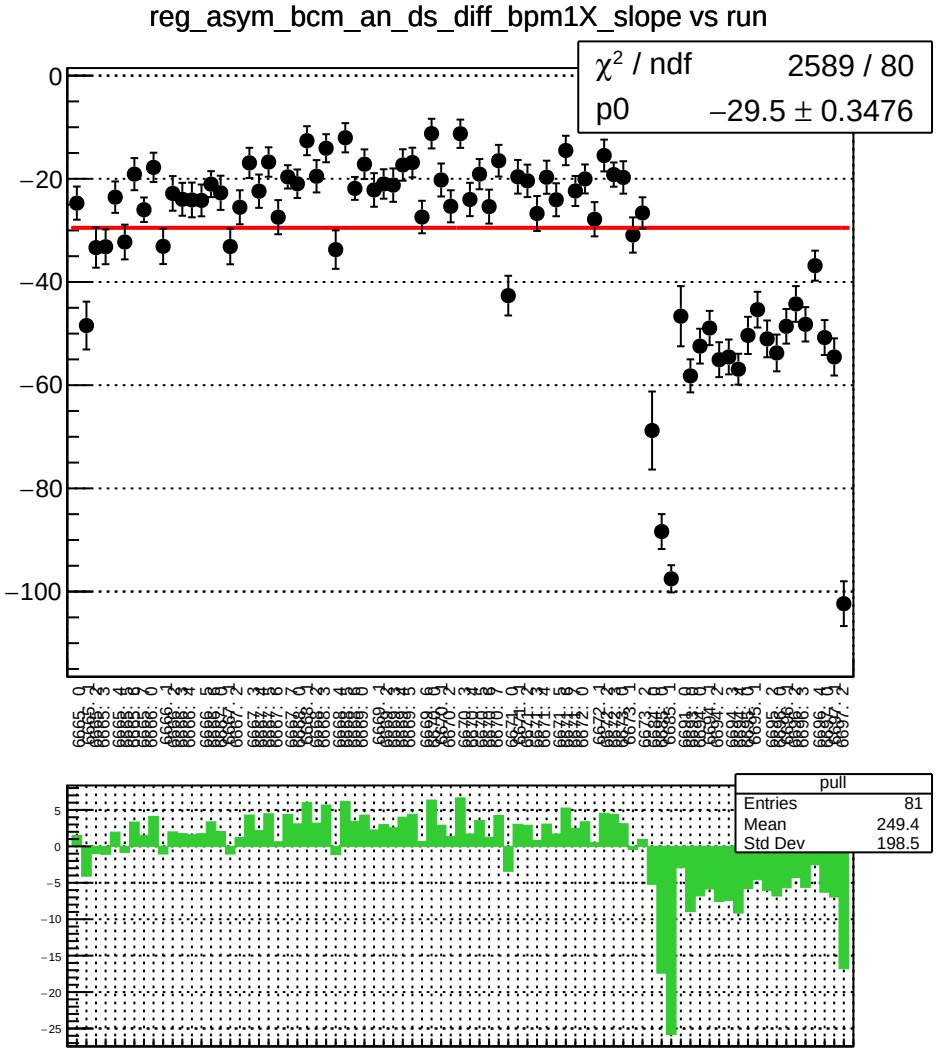

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2260 / 80
p0 31.46 ± 0.3691
pull
Entries 81
Mean 899.4
Std Dev 849.3

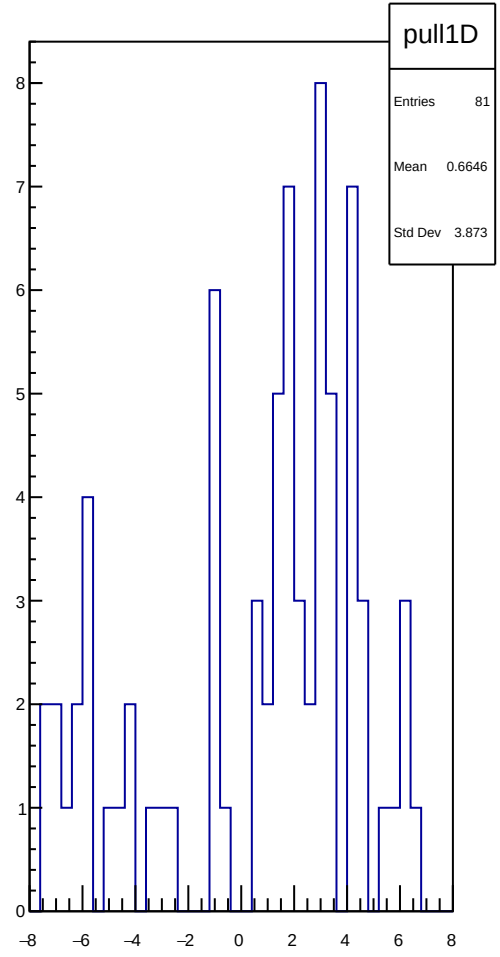

pull1D
Entries 81
Mean −0.6553
Std Dev 3.746

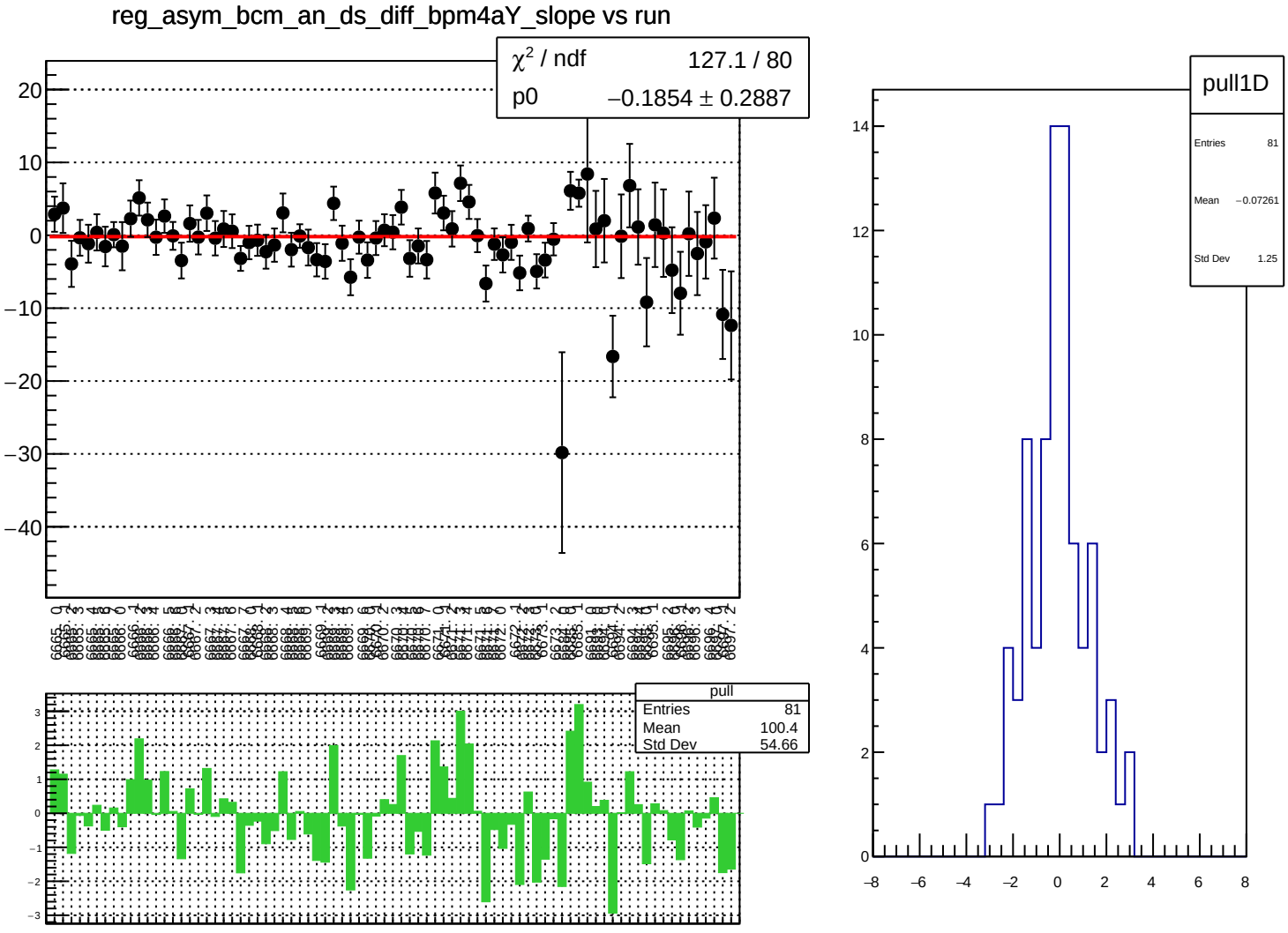

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 154.1 / 80
p0 −0.3335 ± 0.3315
pull
Entries 81
Mean 570.5
Std Dev 537.2
pull1D
Entries 81
Mean 0.005467
Std Dev 1.379

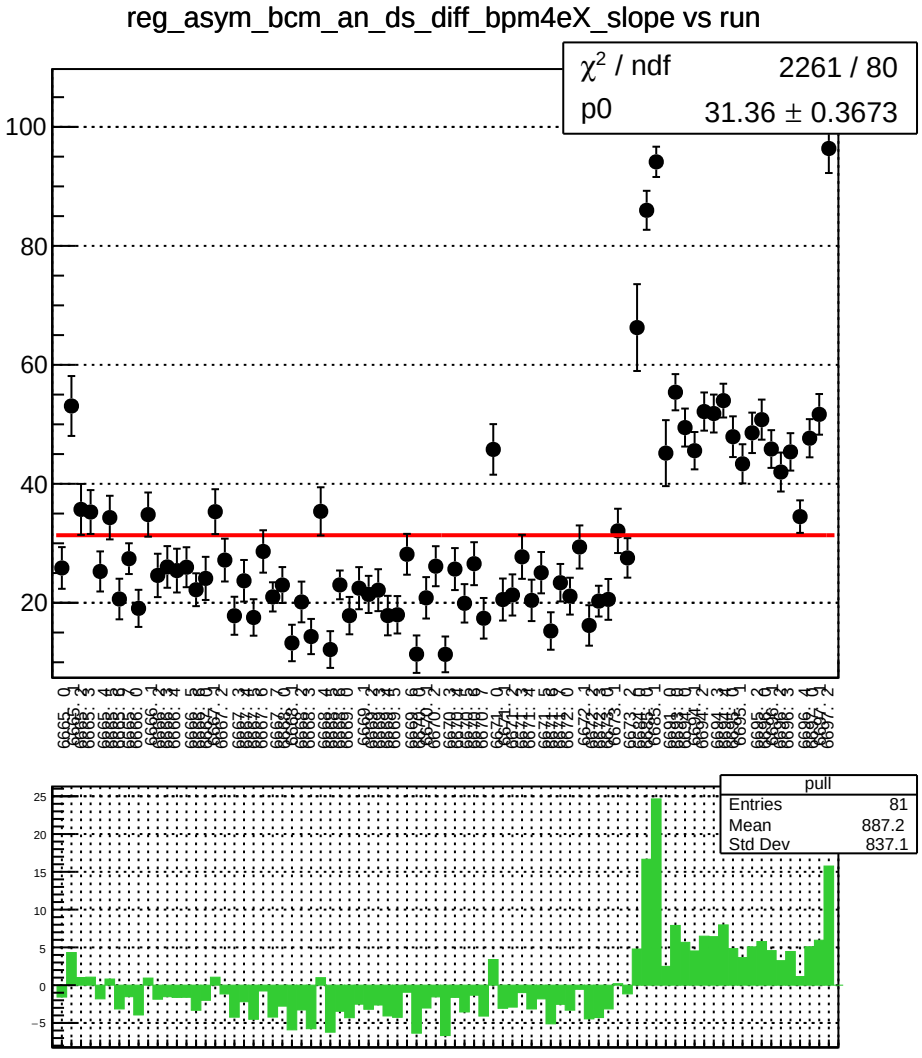

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 153.4 / 80
p0 0.5261± 0.01445
pull
Entries 81
Mean −34.7
Std Dev 69.33

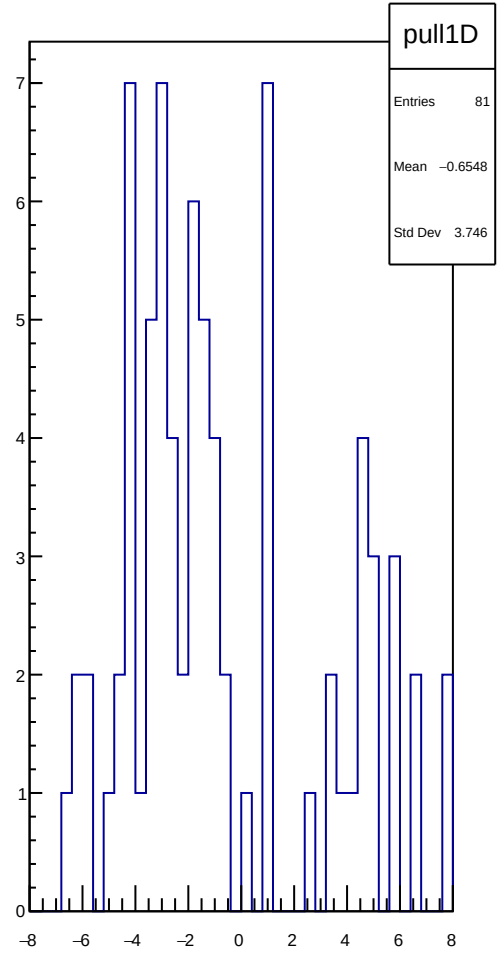

pull1D
Entries 81
Mean 0.08603
Std Dev 1.373

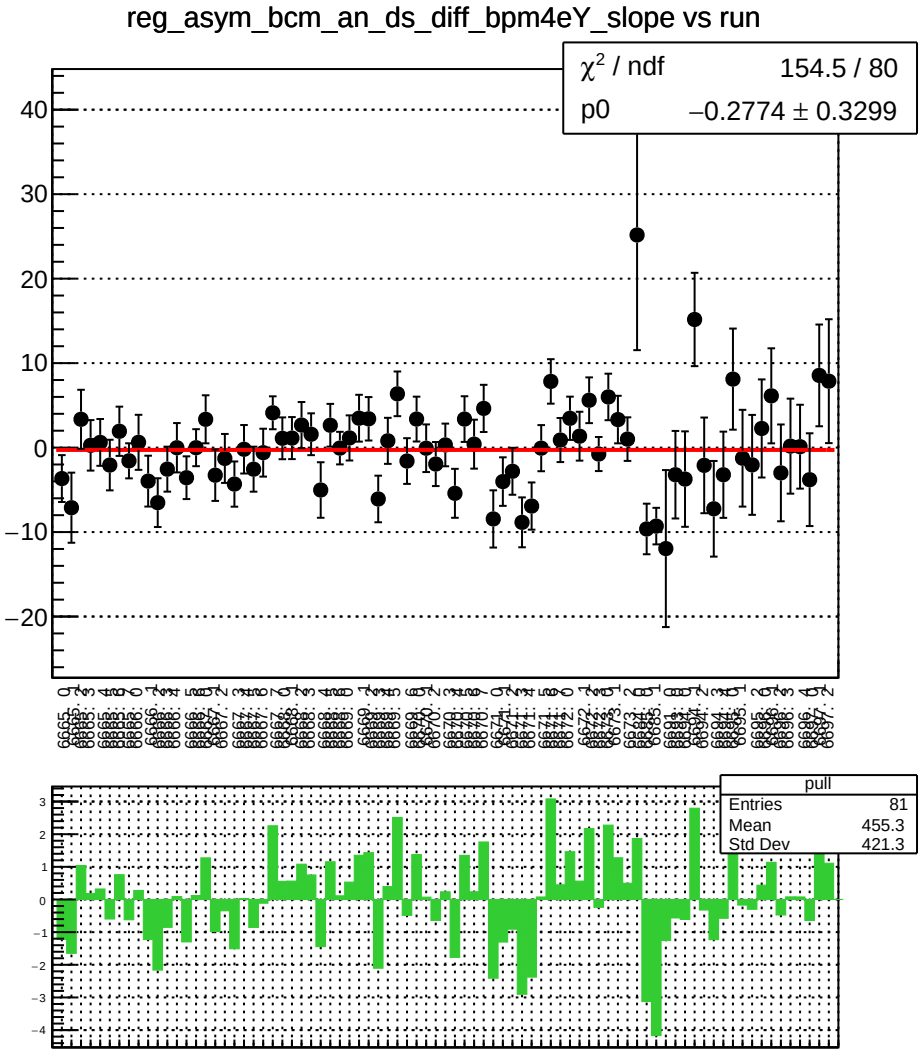

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2589 / 80
p0 −29.5 ± 0.3476
pull
Entries 81
Mean 249.4
Std Dev 198.5

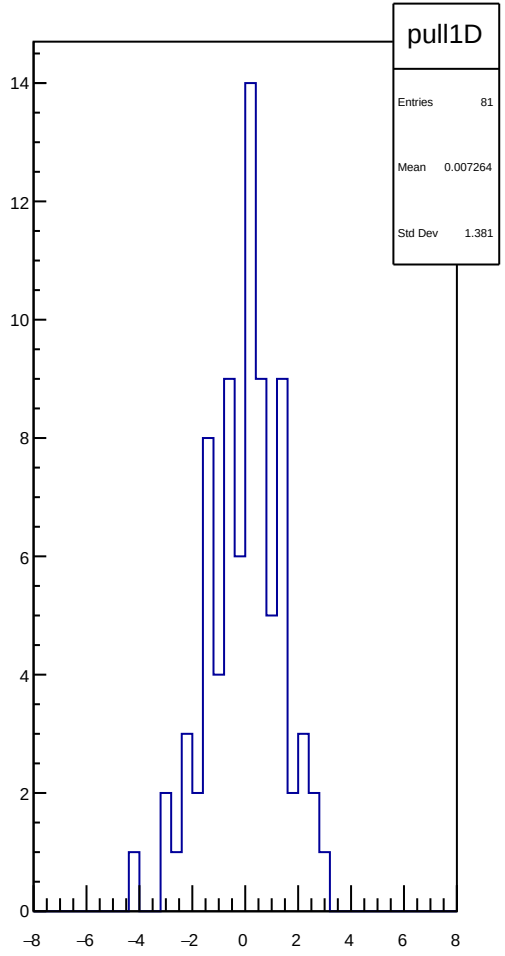

pull1D
Entries 81
Mean 0.6646
Std Dev 3.873

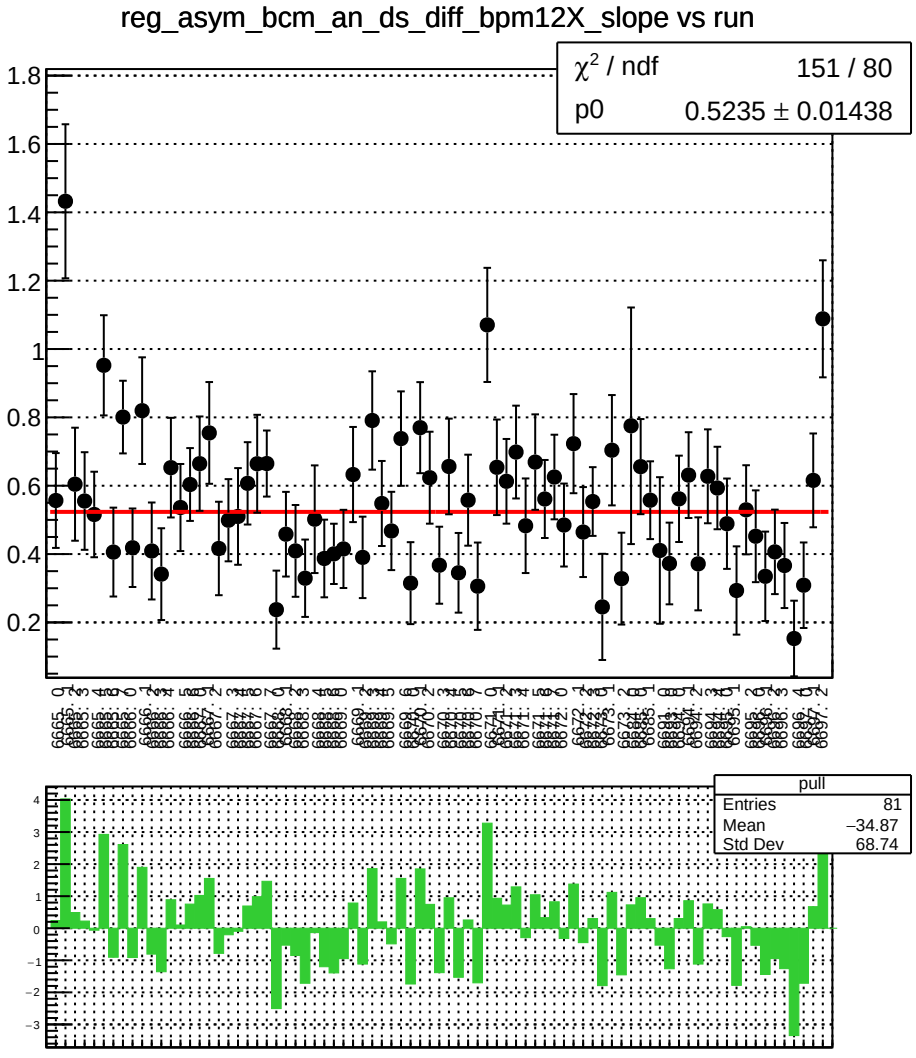

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 127.1 / 80
p0 −0.1854 ± 0.2887
pull
Entries 81
Mean 100.4
Std Dev 54.66
pull1D
Entries 81
Mean −0.07261
Std Dev 1.25

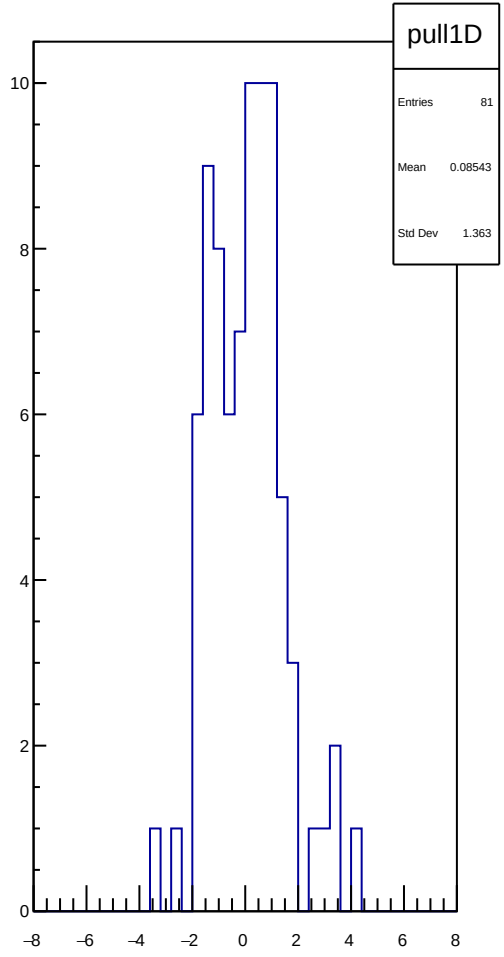

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2261 / 80
p0 31.36 ± 0.3673
pull
Entries 81
Mean 887.2
Std Dev 837.1

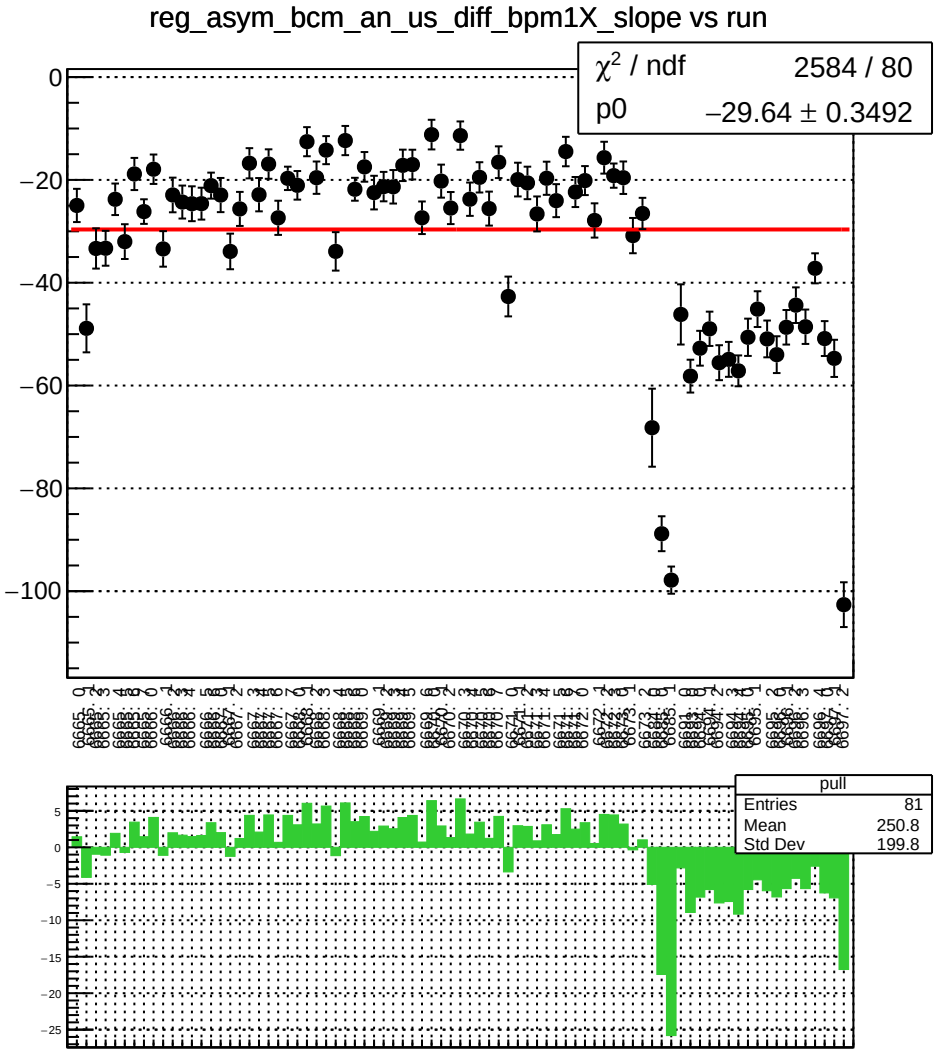

pull1D
Entries 81
Mean −0.6548
Std Dev 3.746

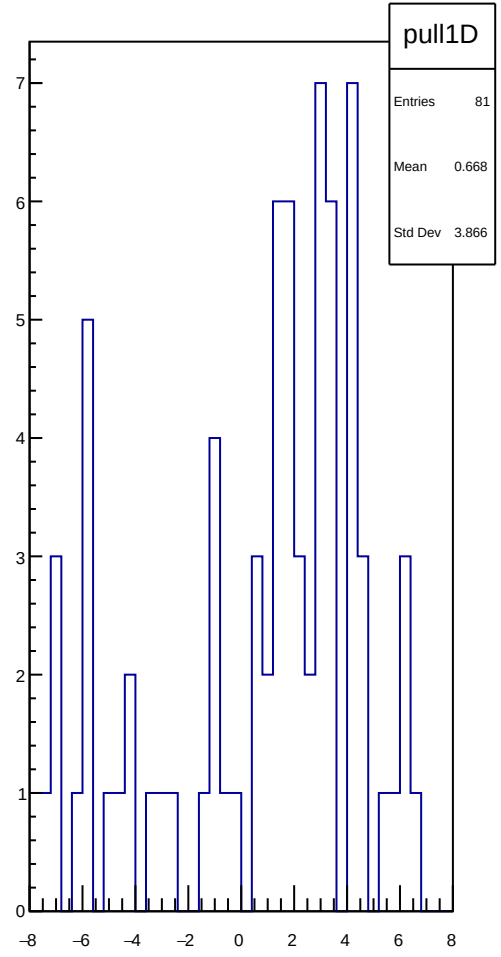

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 154.5 / 80
p0 −0.2774 ± 0.3299
pull
Entries 81
Mean 455.3
Std Dev 421.3

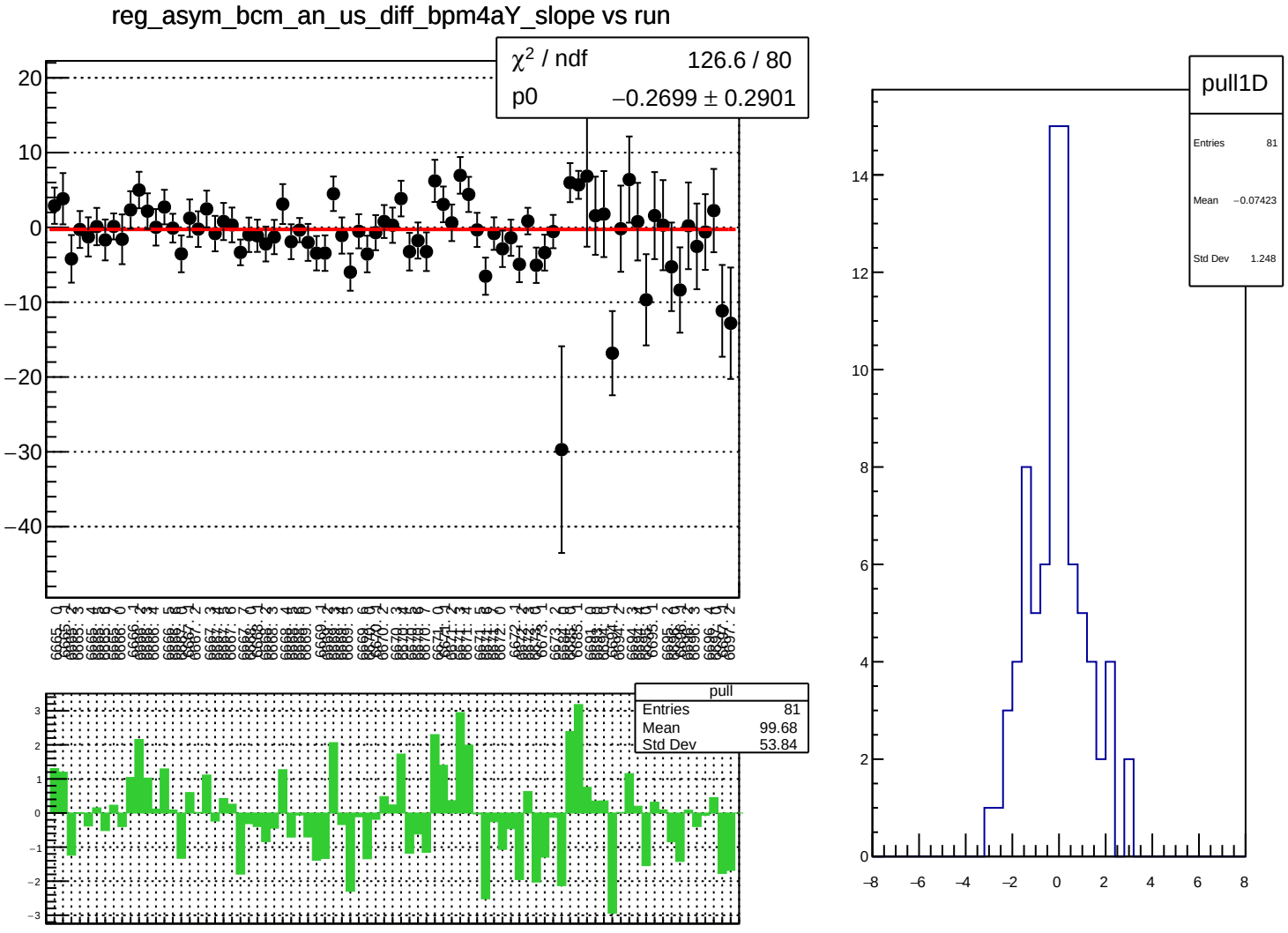

pull1D
Entries 81
Mean 0.007264
Std Dev 1.381

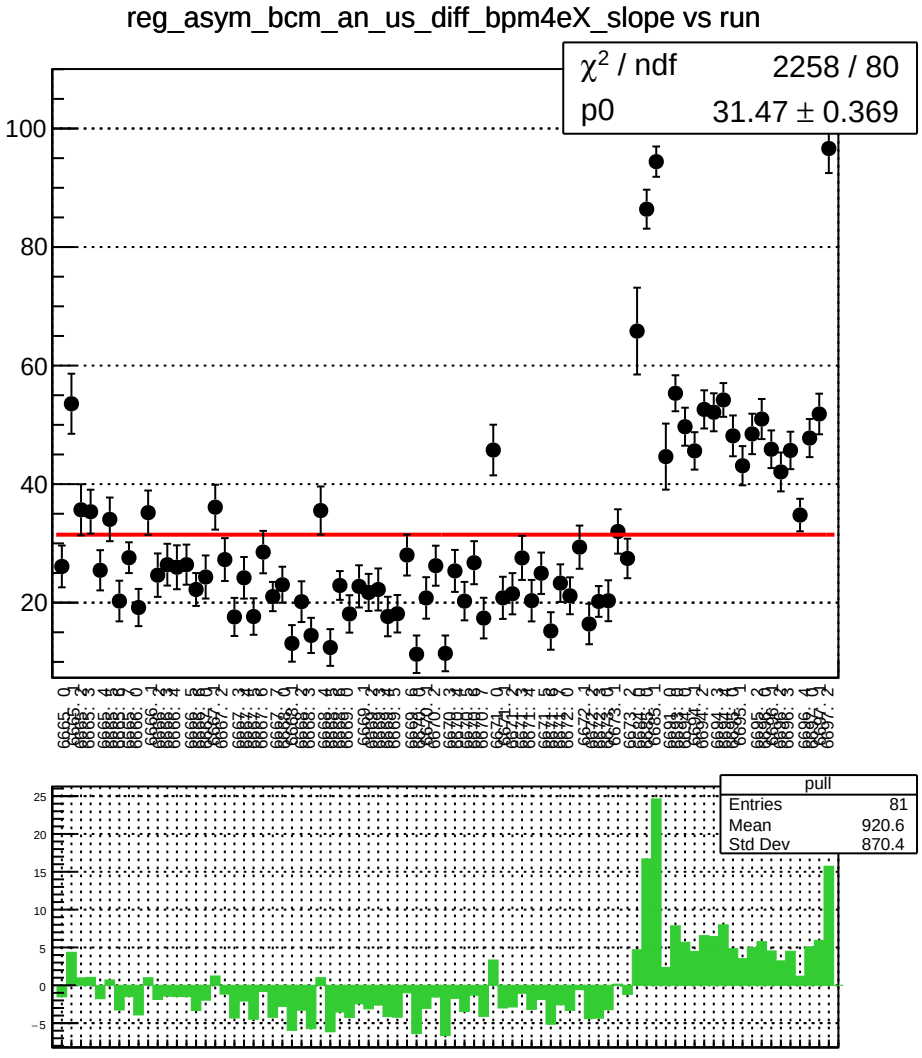

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 151 / 80
p0 0.5235 ± 0.01438
pull
Entries 81
Mean −34.87
Std Dev 68.74

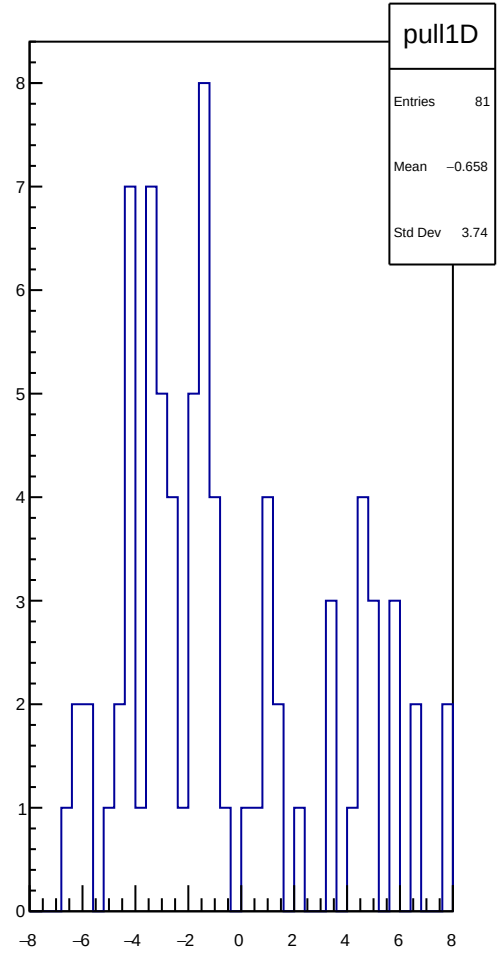

pull1D
Entries 81
Mean 0.08543
Std Dev 1.363

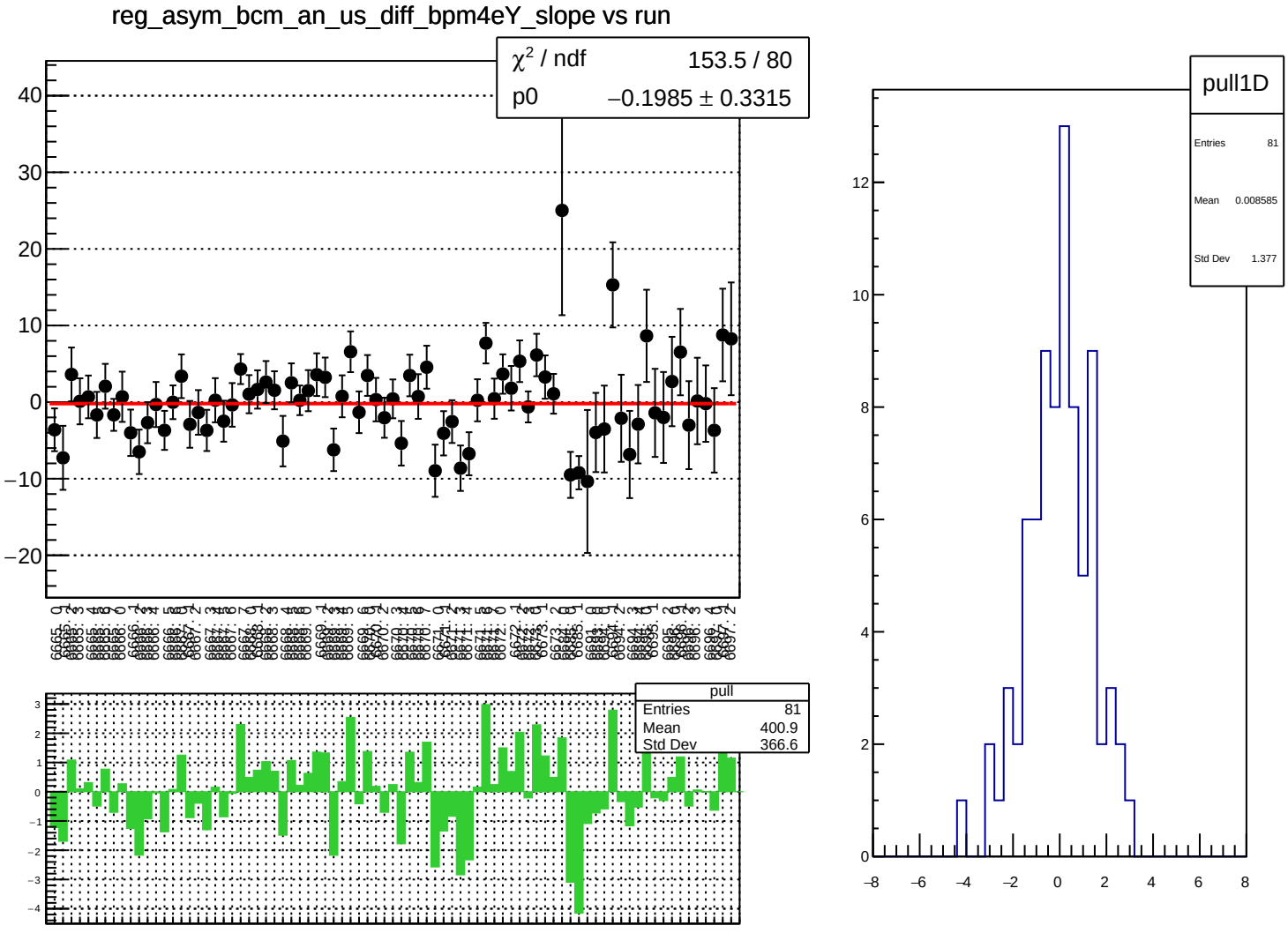

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2584 / 80
p0 −29.64 ± 0.3492
pull
Entries 81
Mean 250.8
Std Dev 199.8

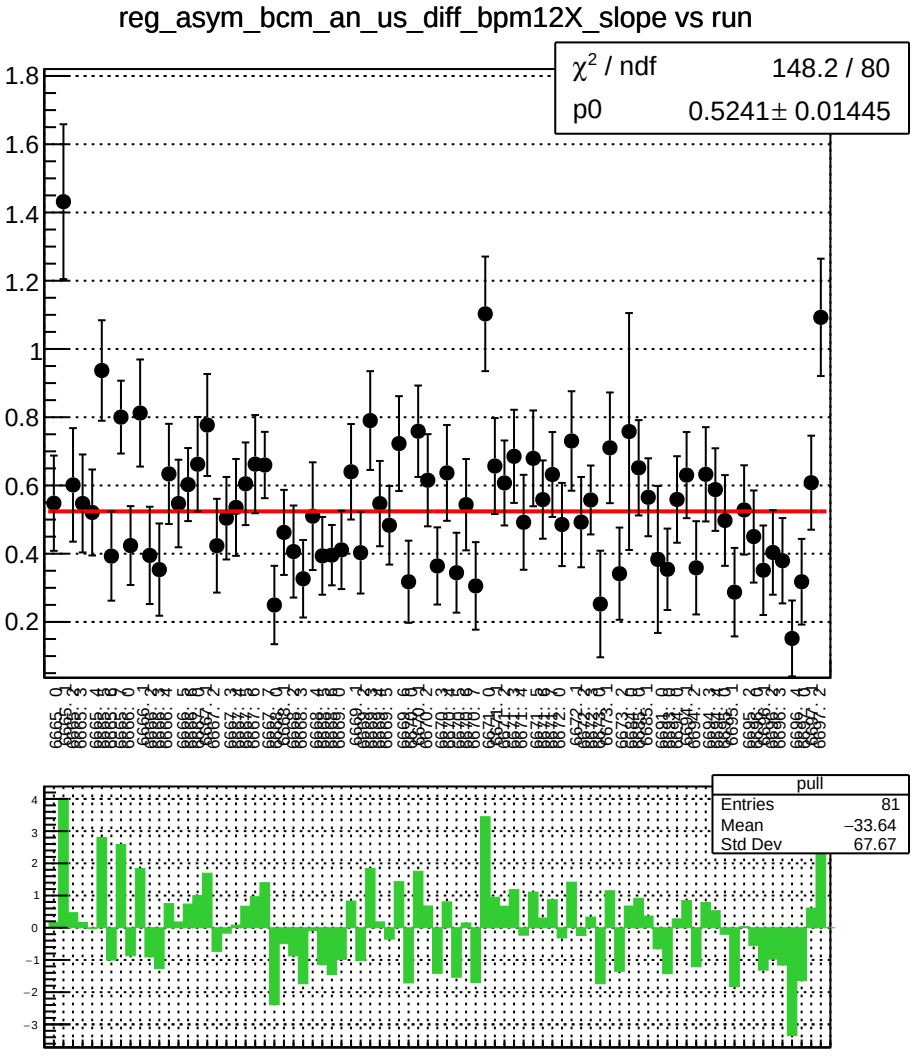

pull1D
Entries 81
Mean 0.668
Std Dev 3.866

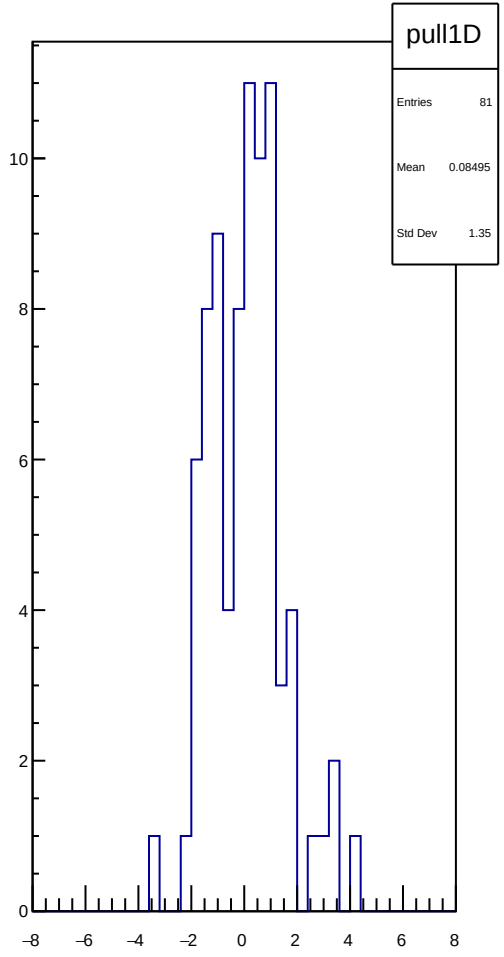

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 126.6 / 80
p0 −0.2699 ± 0.2901
pull
Entries 81
Mean 99.68
Std Dev 53.84
pull1D
Entries 81
Mean −0.07423
Std Dev 1.248

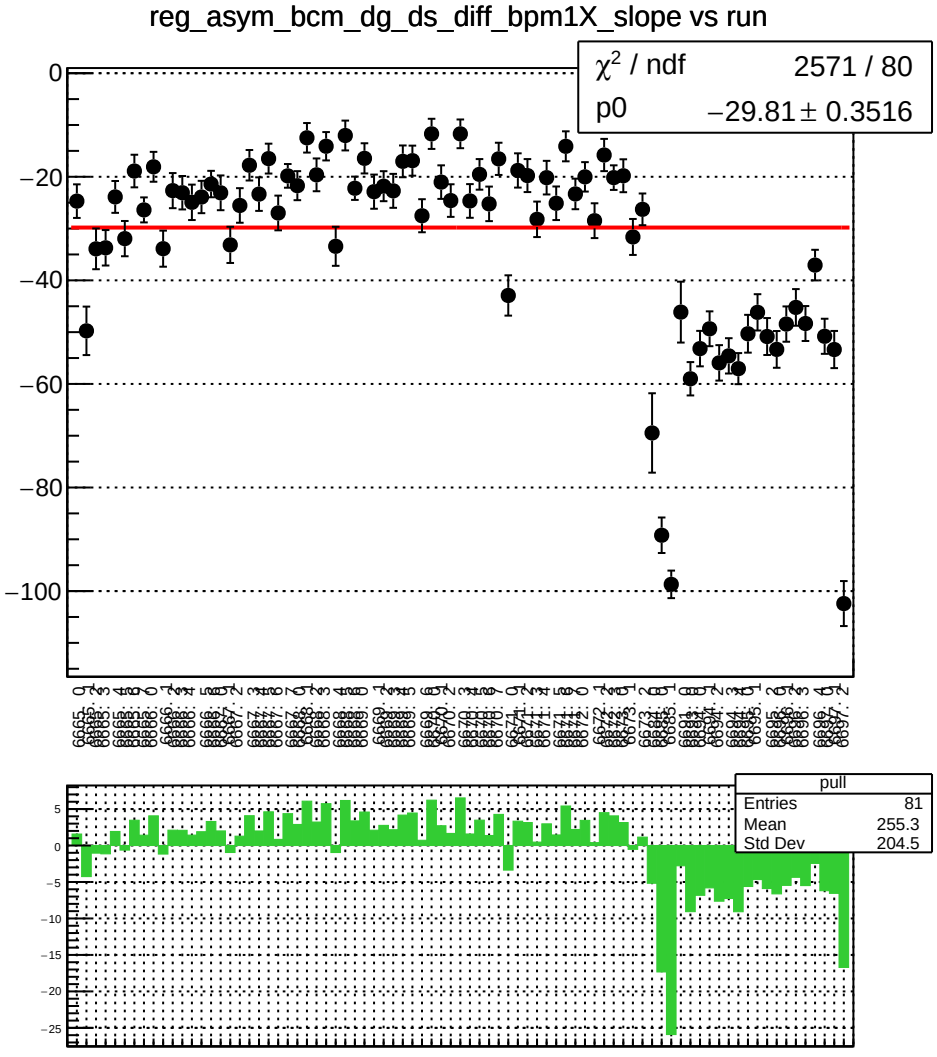

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2258 / 80
p0 31.47 ± 0.369
pull
Entries 81
Mean 920.6
Std Dev 870.4

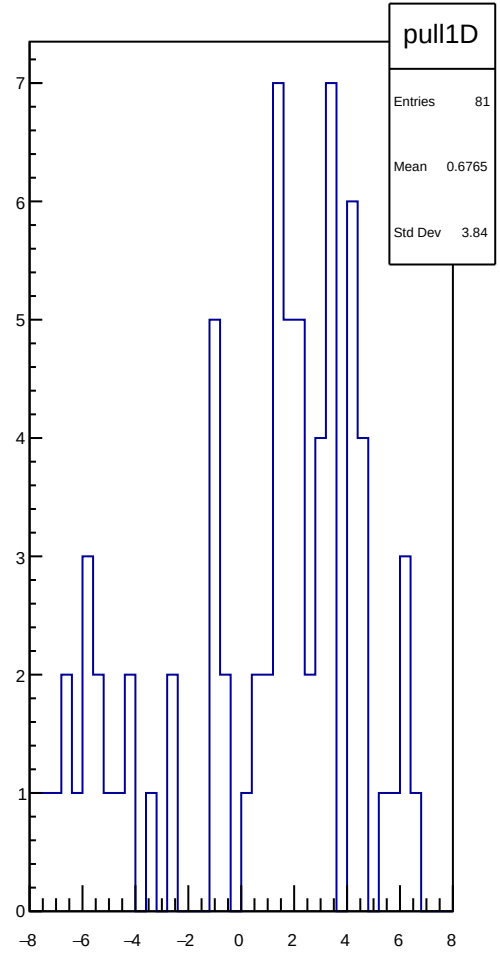

pull1D
Entries 81
Mean −0.658
Std Dev 3.74

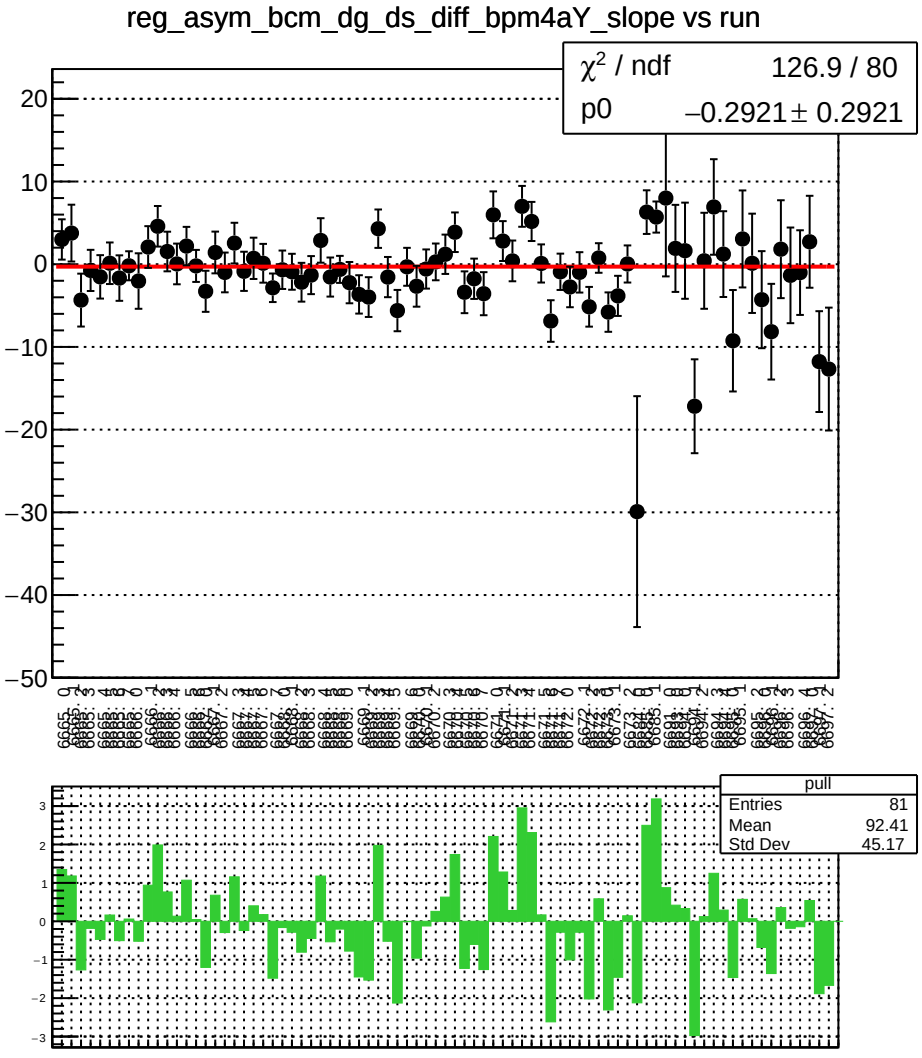

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 153.5 / 80
p0 −0.1985 ± 0.3315
pull
Entries 81
Mean 400.9
Std Dev 366.6
pull1D
Entries 81
Mean 0.008585
Std Dev 1.377

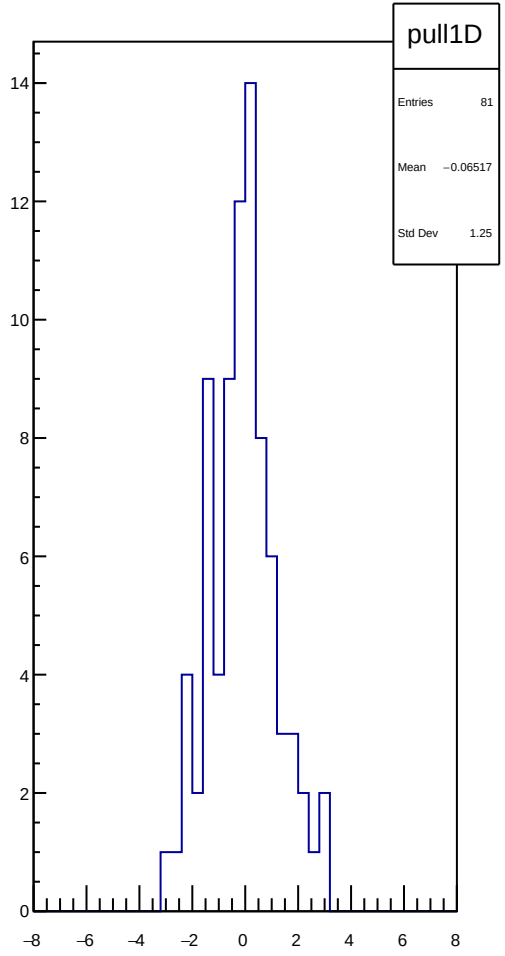

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 148.2 / 80
p0 0.5241± 0.01445
pull
Entries 81
Mean −33.64
Std Dev 67.67

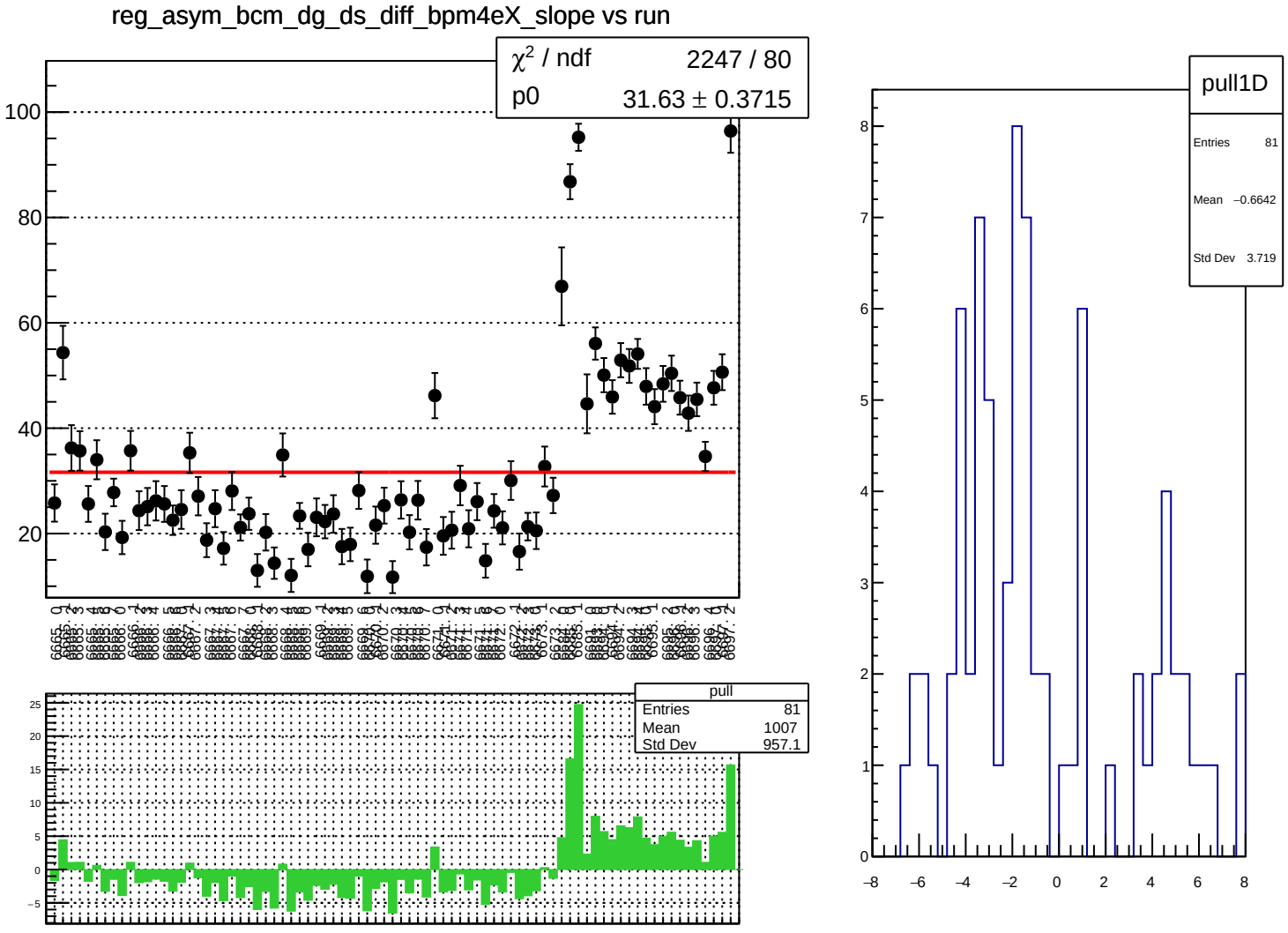

pull1D
Entries 81
Mean 0.08495
Std Dev 1.35

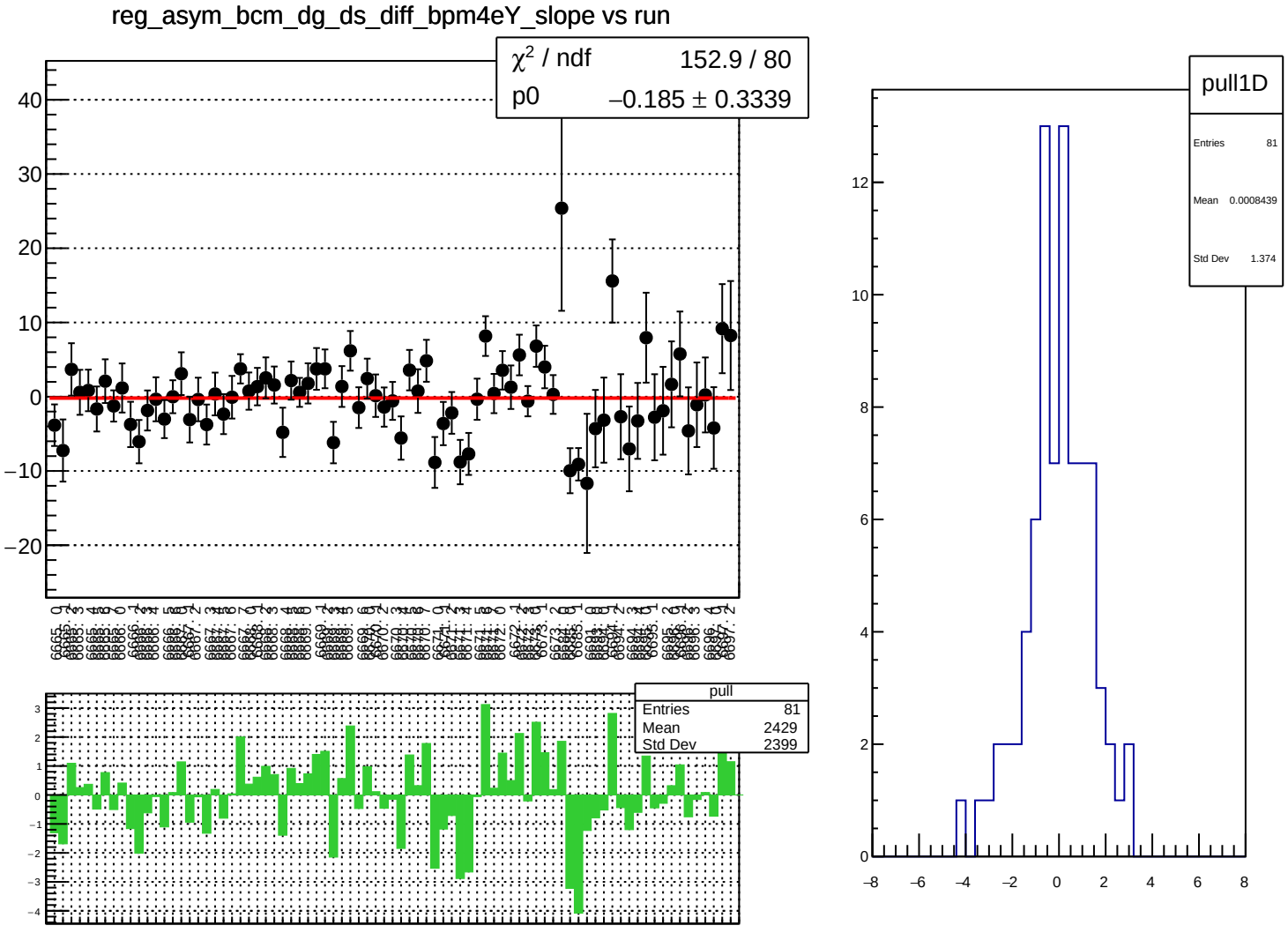

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 2571 / 80
p0 −29.81 ± 0.3516
pull
Entries 81
Mean 255.3
Std Dev 204.5

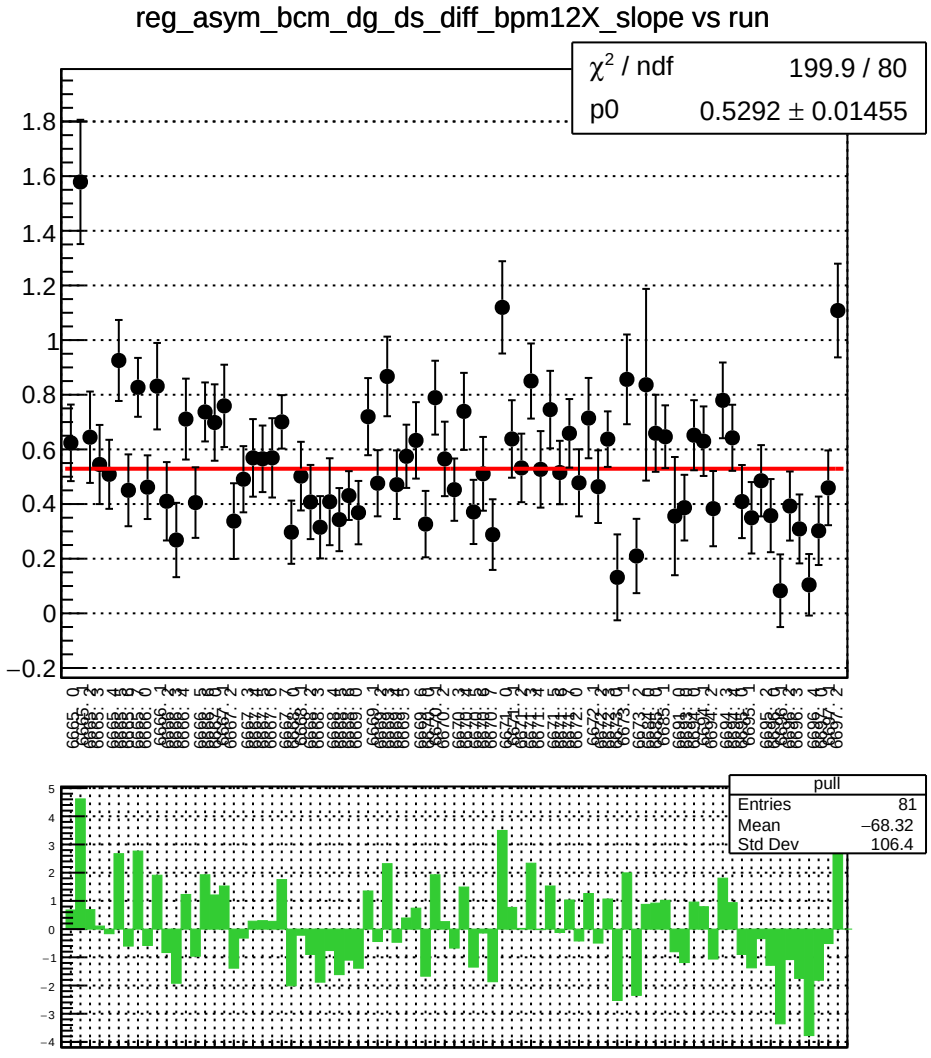

pull1D
Entries 81
Mean 0.6765
Std Dev 3.84

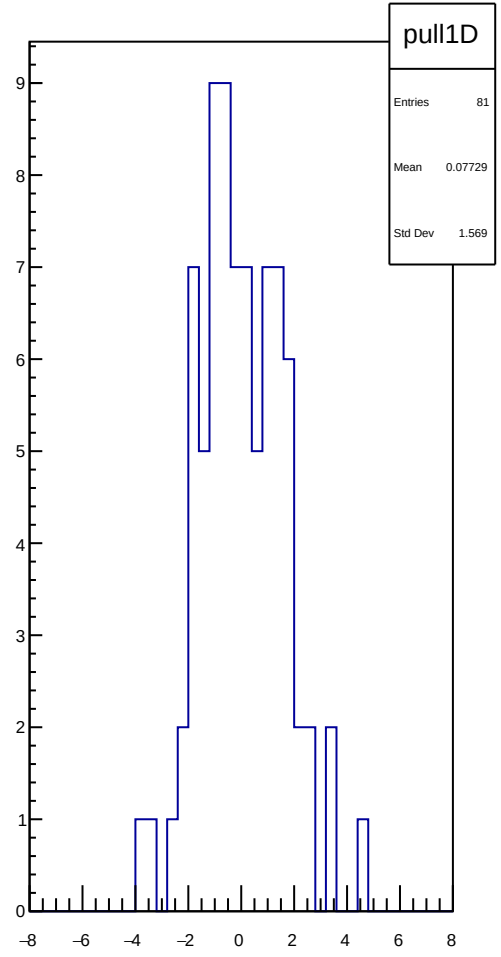

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.9 / 80
p0 −0.2921 ± 0.2921
pull
Entries 81
Mean 92.41
Std Dev 45.17

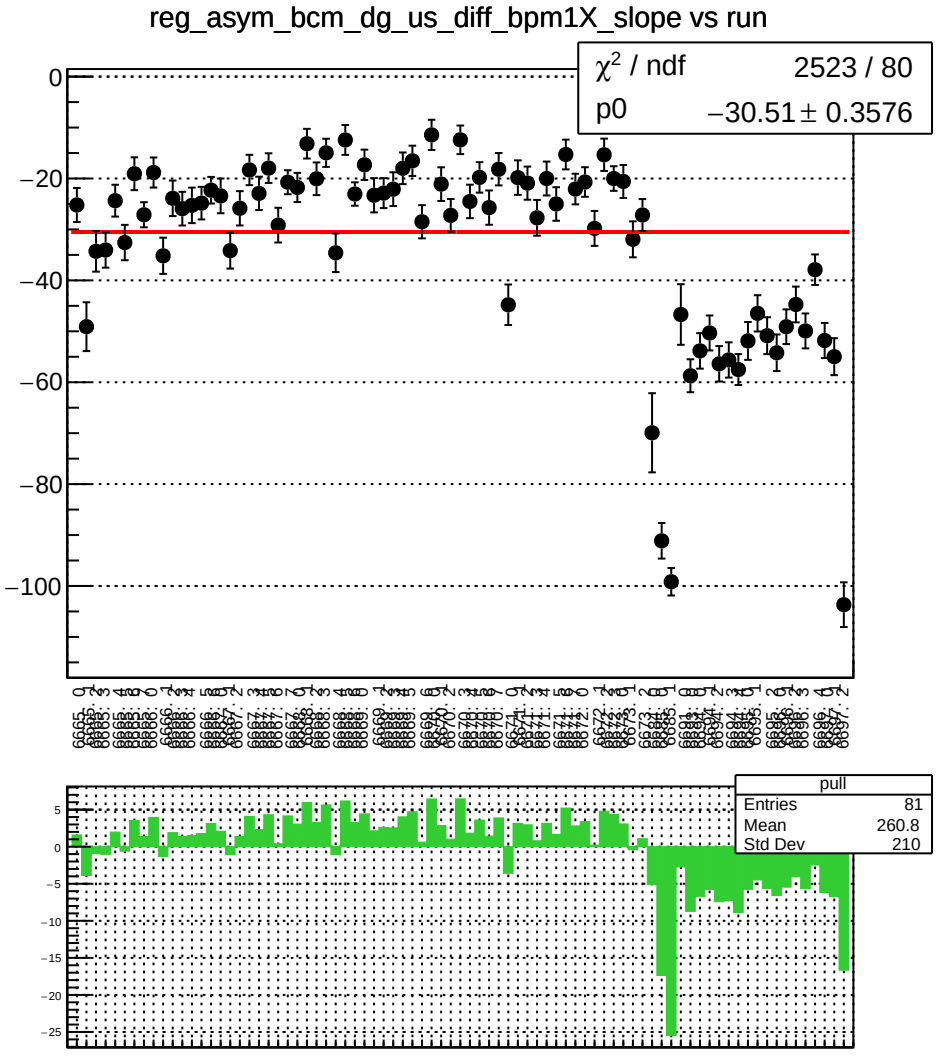

pull1D
Entries 81
Mean −0.06517
Std Dev 1.25

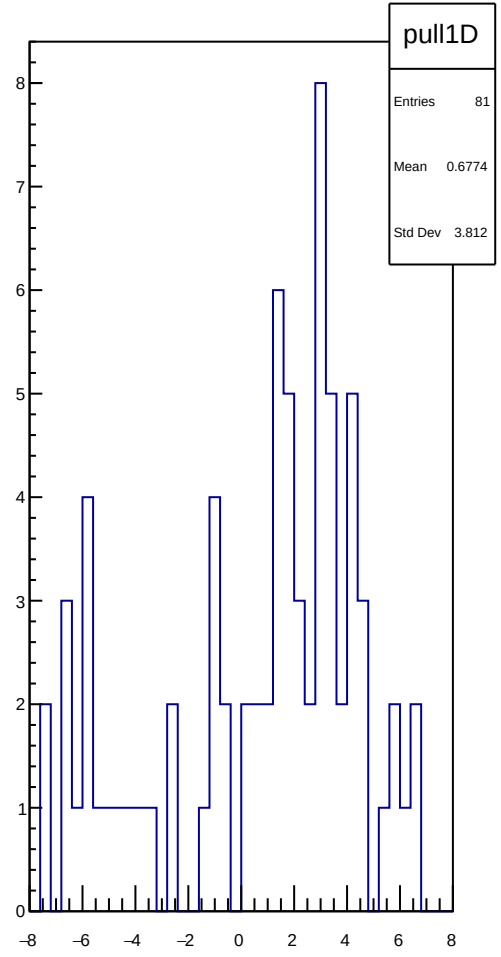

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2247 / 80
p0 31.63 ± 0.3715
pull
Entries 81
Mean 1007
Std Dev 957.1
pull1D
Entries 81
Mean −0.6642
Std Dev 3.719

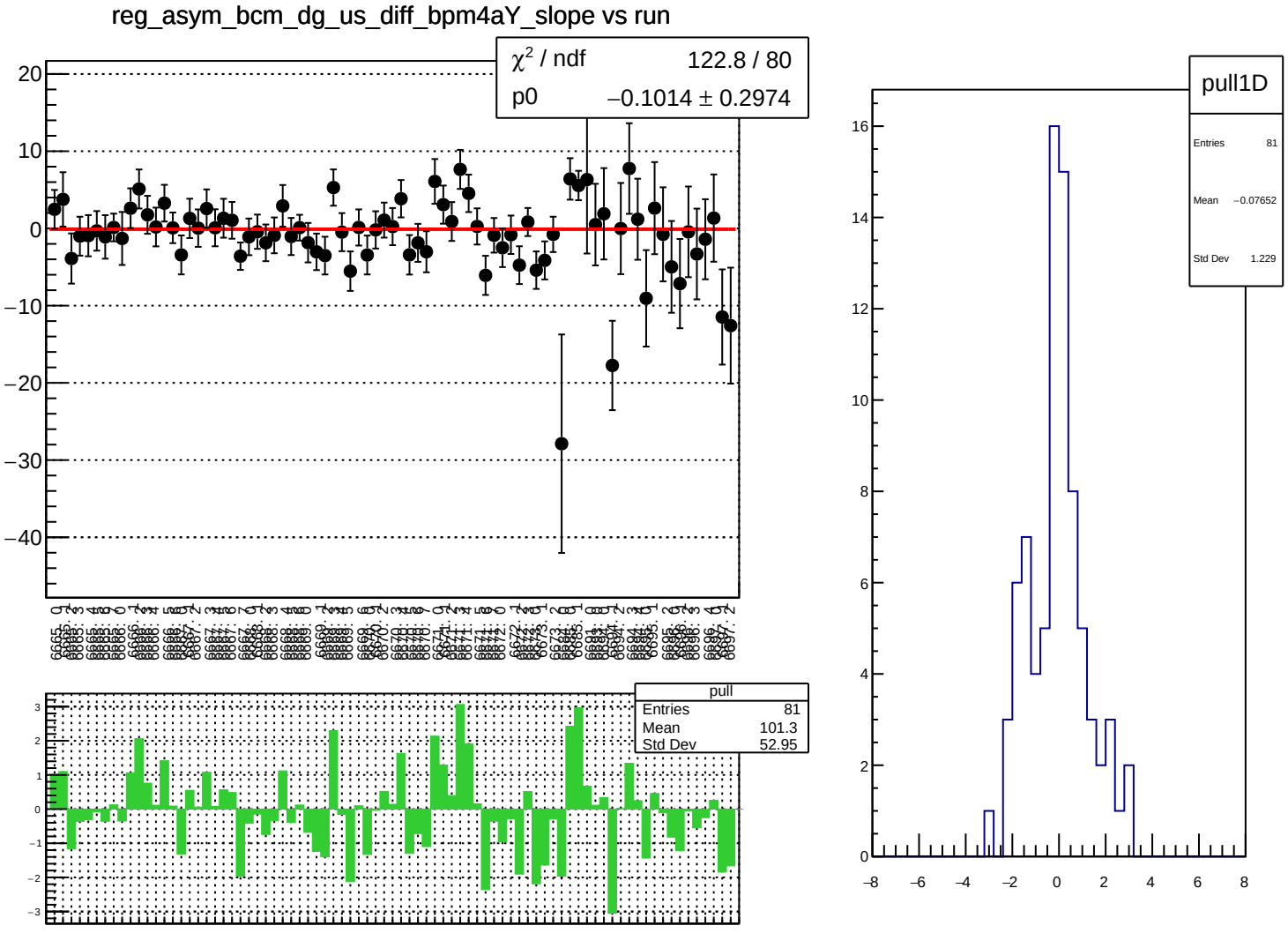

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 152.9 / 80
p0 −0.185 ± 0.3339
pull
Entries 81
Mean 2429
Std Dev 2399
pull1D
Entries 81
Mean 0.0008439
Std Dev 1.374

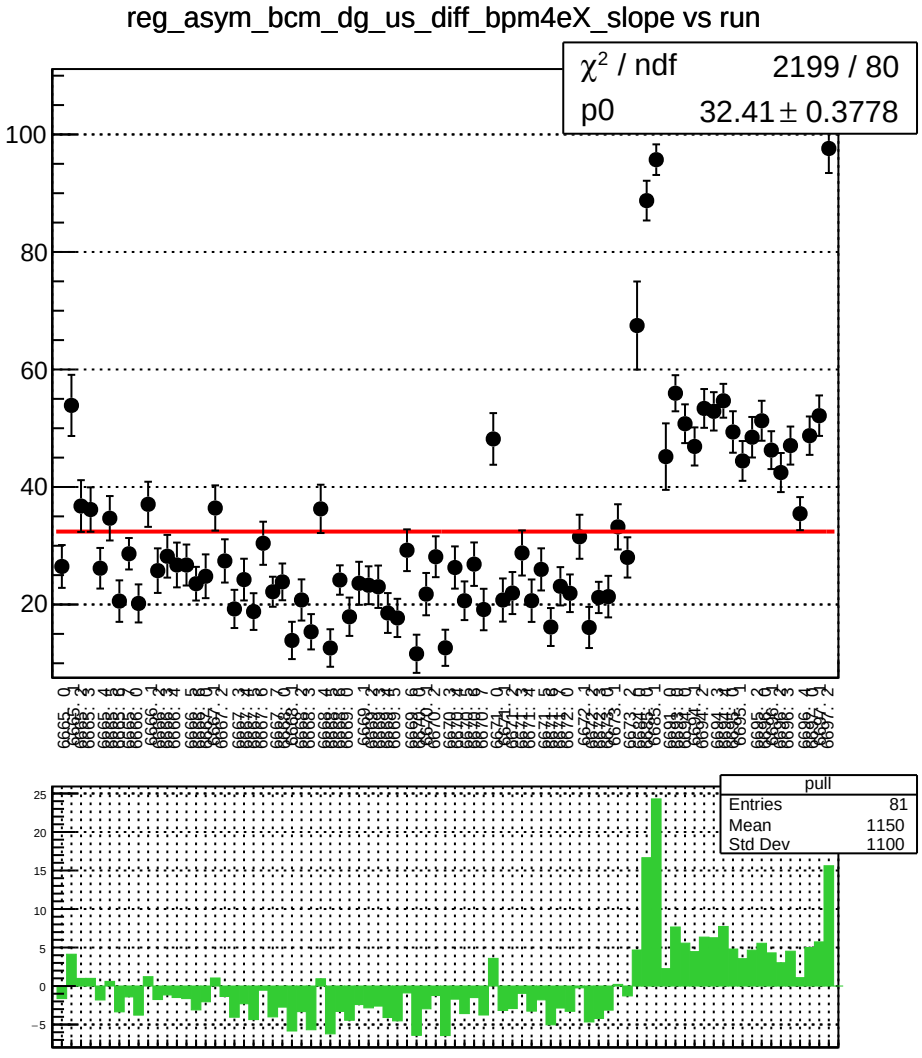

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ^2 / ndf 199.9 / 80
p0 0.5292 ± 0.01455
pull
Entries 81
Mean −68.32
Std Dev 106.4

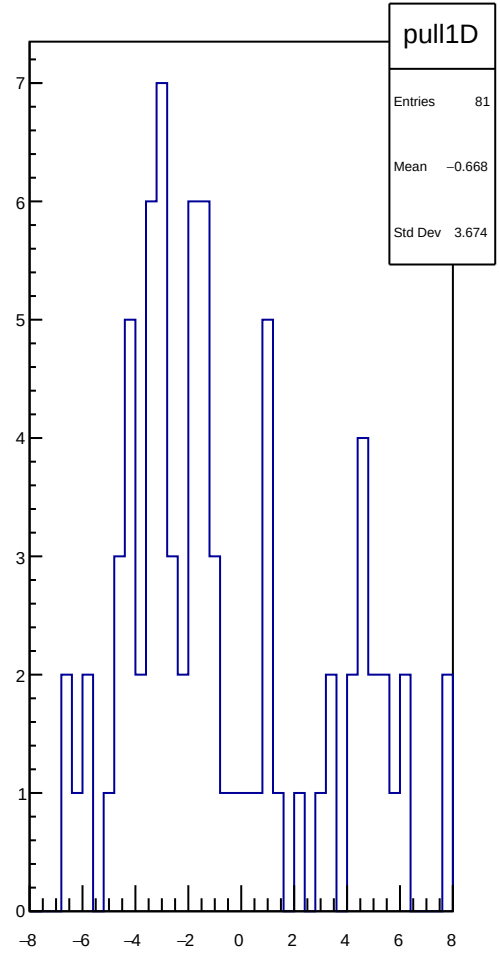

pull1D
Entries 81
Mean 0.07729
Std Dev 1.569

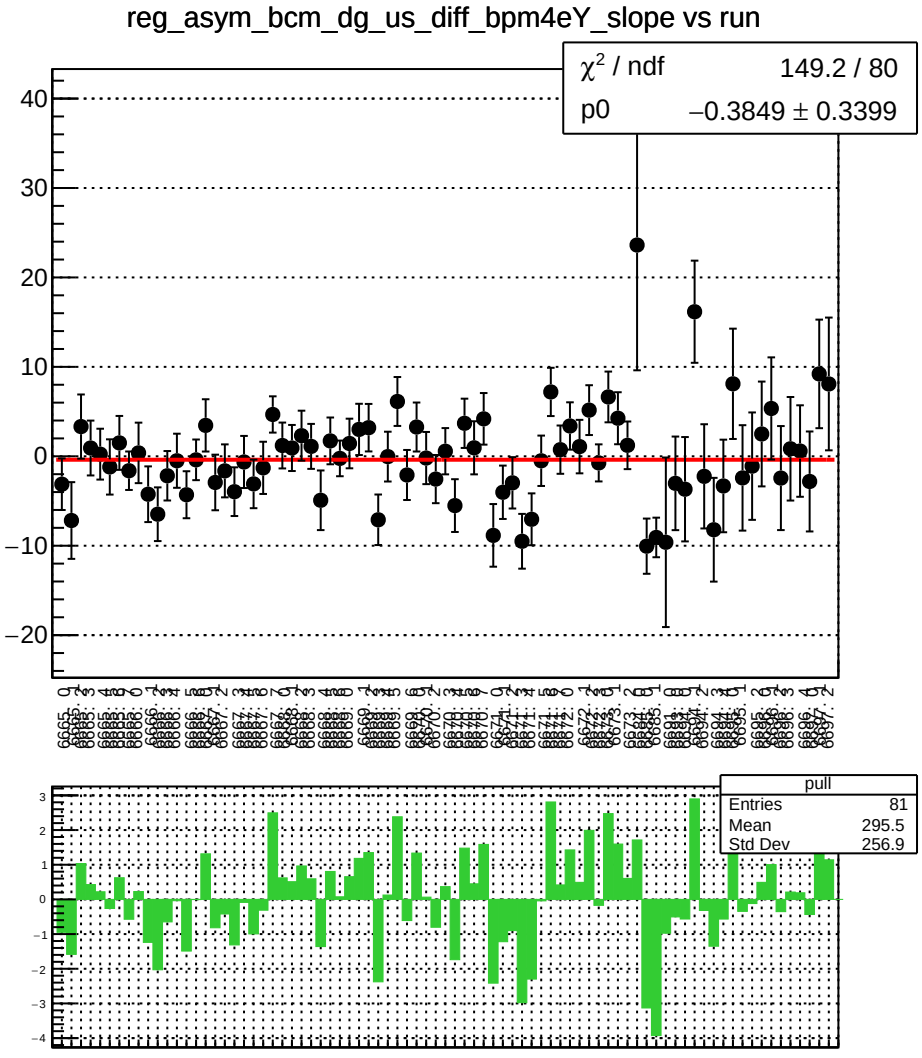

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 2523 / 80
p0 −30.51 ± 0.3576
pull
Entries 81
Mean 260.8
Std Dev 210

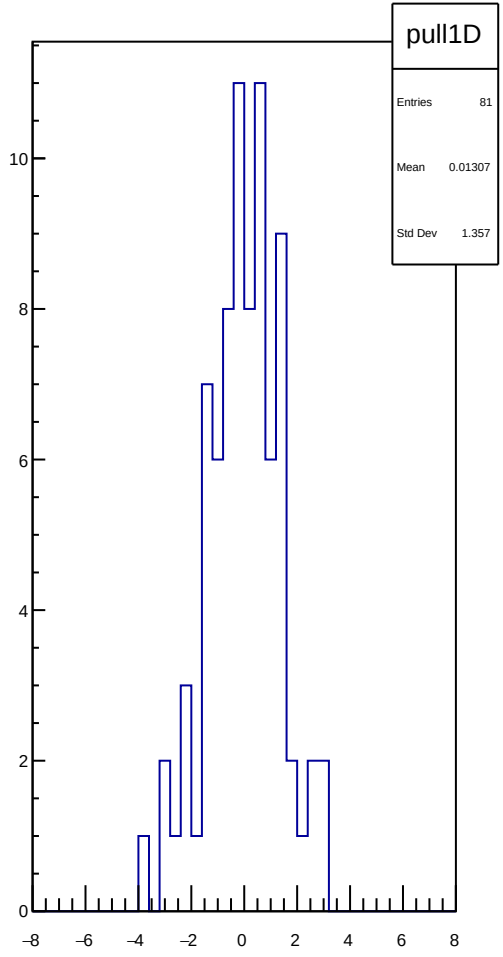

pull1D
Entries 81
Mean 0.6774
Std Dev 3.812

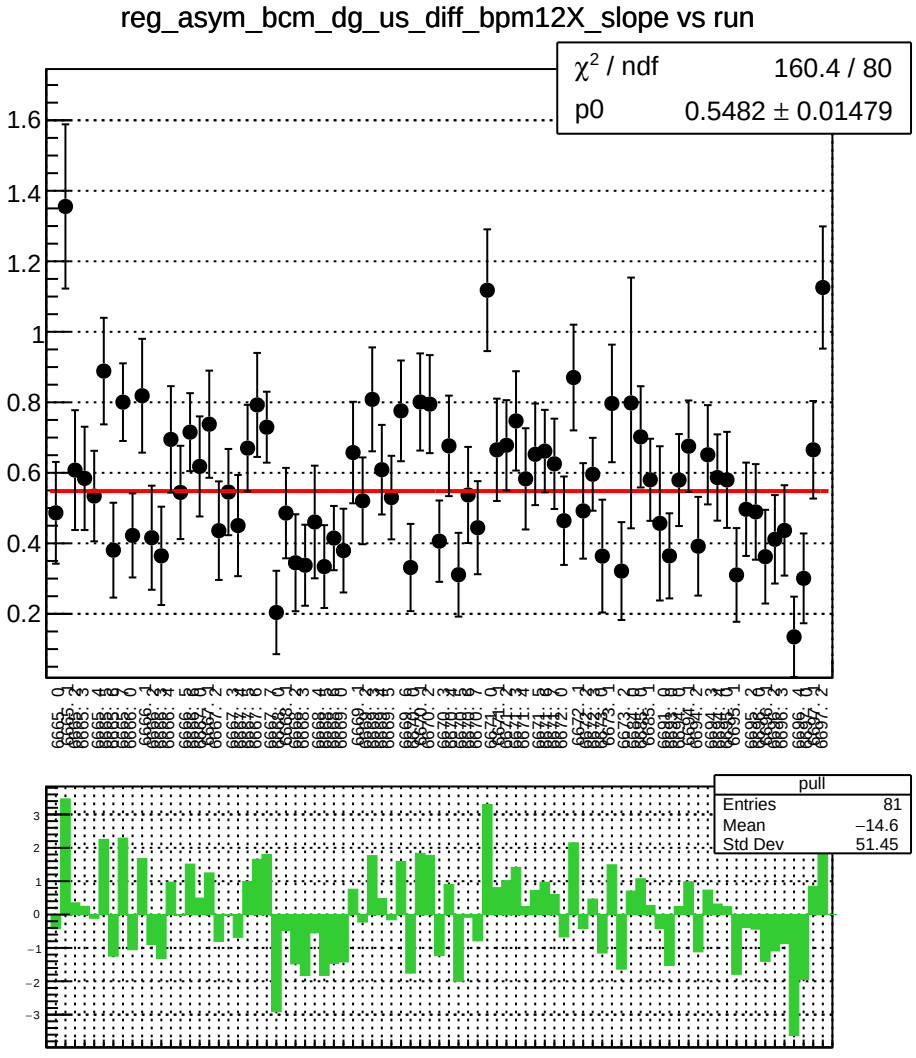

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 122.8 / 80
p0 −0.1014 ± 0.2974
pull
Entries 81
Mean 101.3
Std Dev 52.95
pull1D
Entries 81
Mean −0.07652
Std Dev 1.229

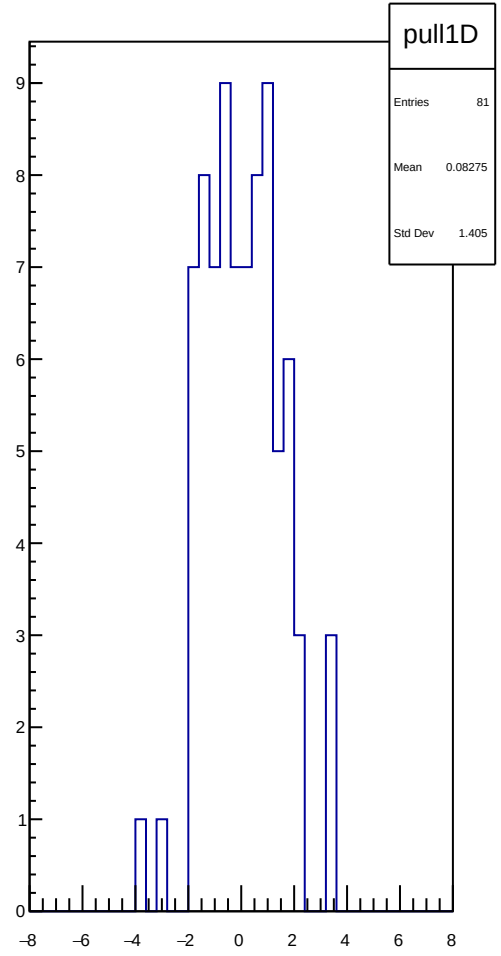

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2199 / 80
p0 32.41 ± 0.3778
pull
Entries 81
Mean 1150
Std Dev 1100


pull1D
Entries 81
Mean −0.668
Std Dev 3.674


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 149.2 / 80
p0 −0.3849 ± 0.3399
pull
Entries 81
Mean 295.5
Std Dev 256.9


pull1D
Entries 81
Mean 0.01307
Std Dev 1.357


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 160.4 / 80
p0 0.5482 ± 0.01479
pull
Entries 81
Mean −14.6
Std Dev 51.45


pull1D
Entries 81
Mean 0.08275
Std Dev 1.405