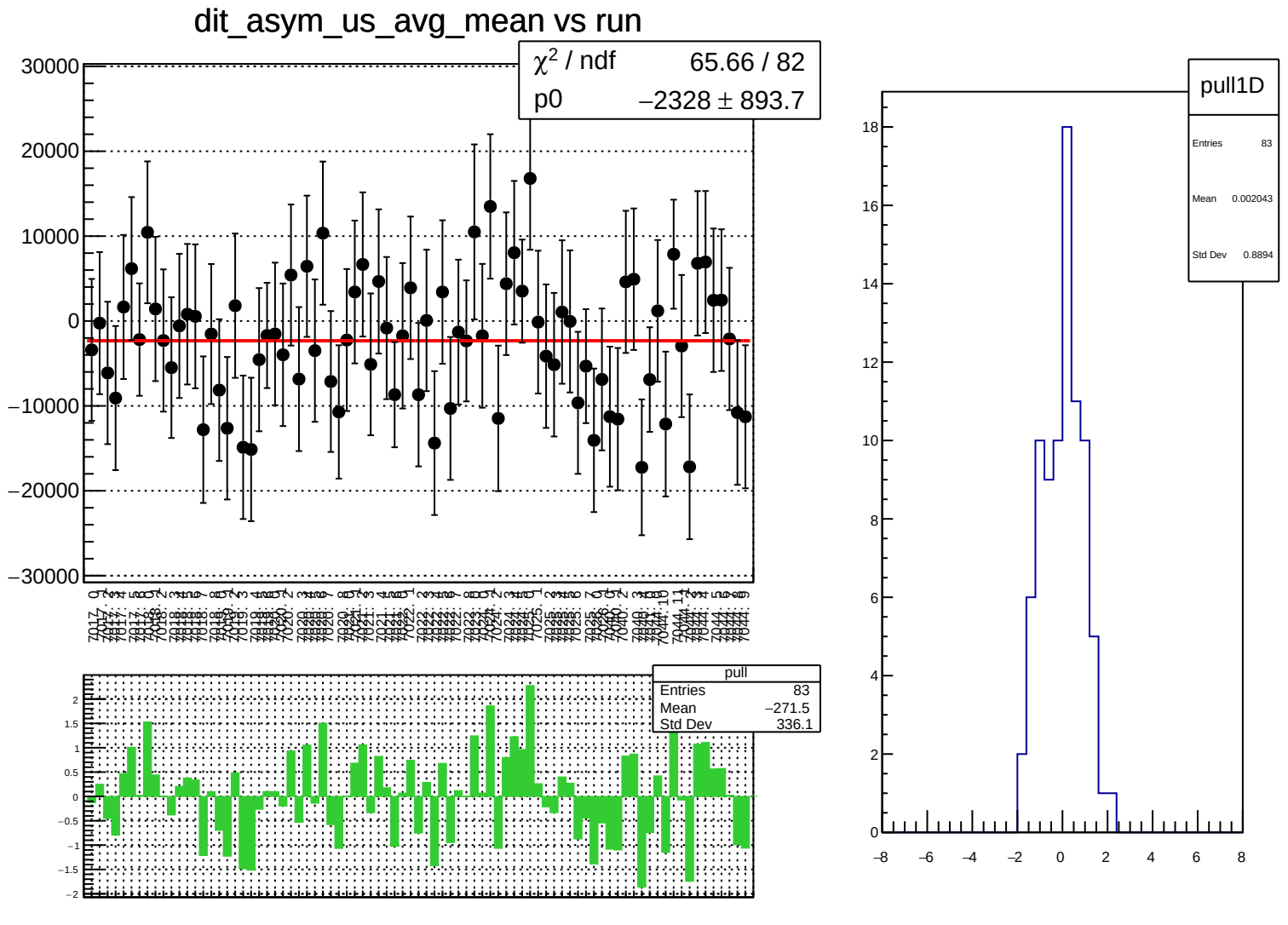
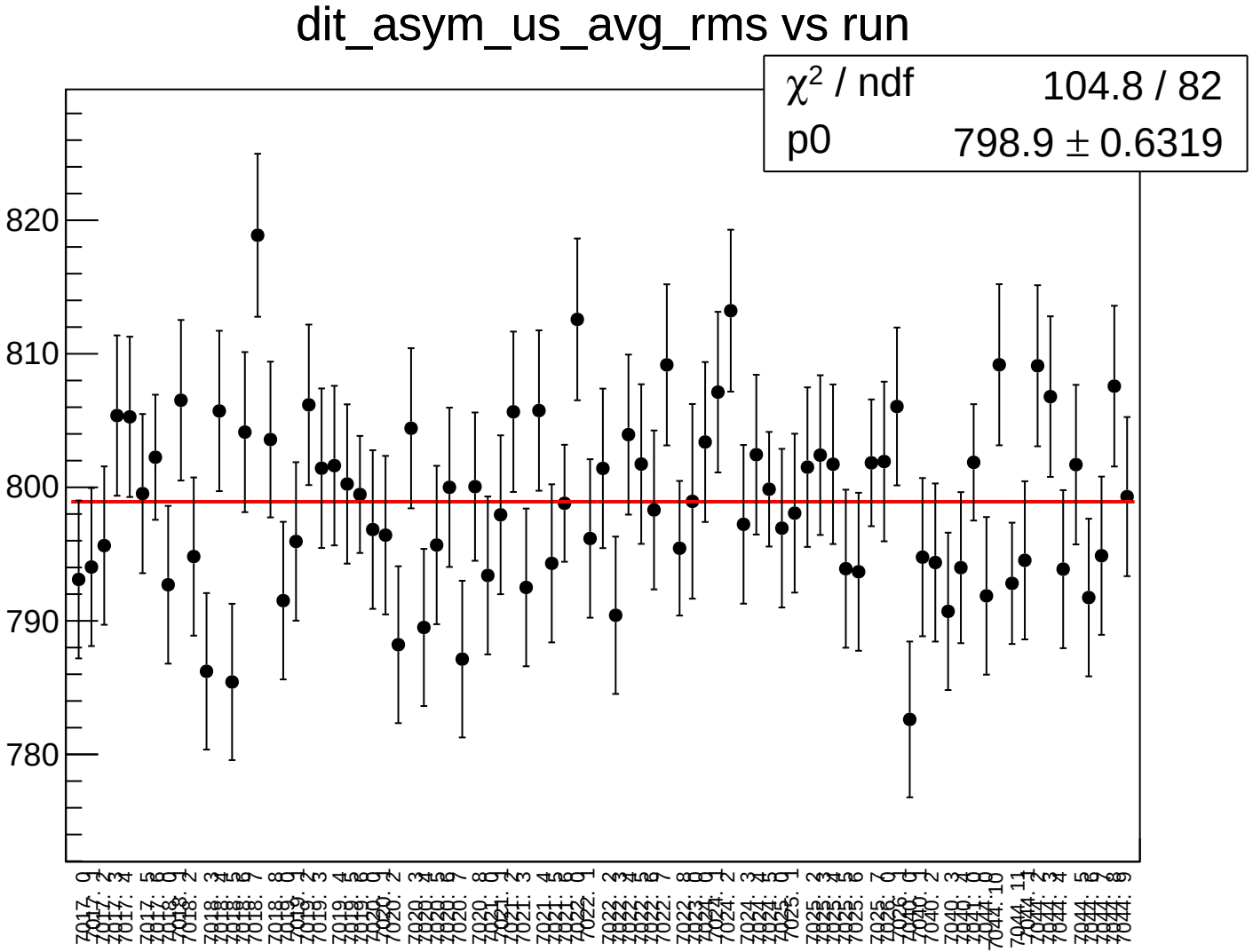
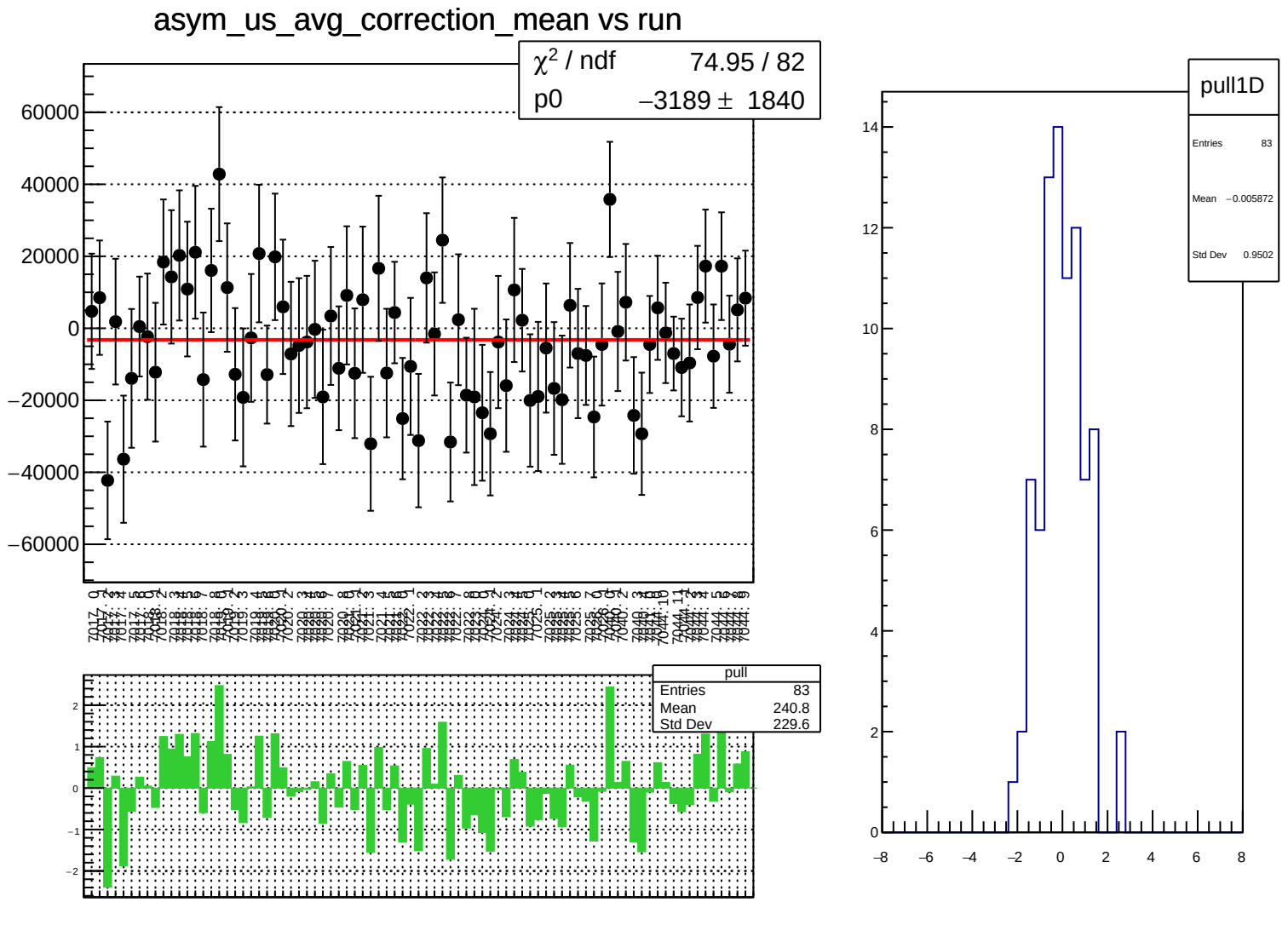
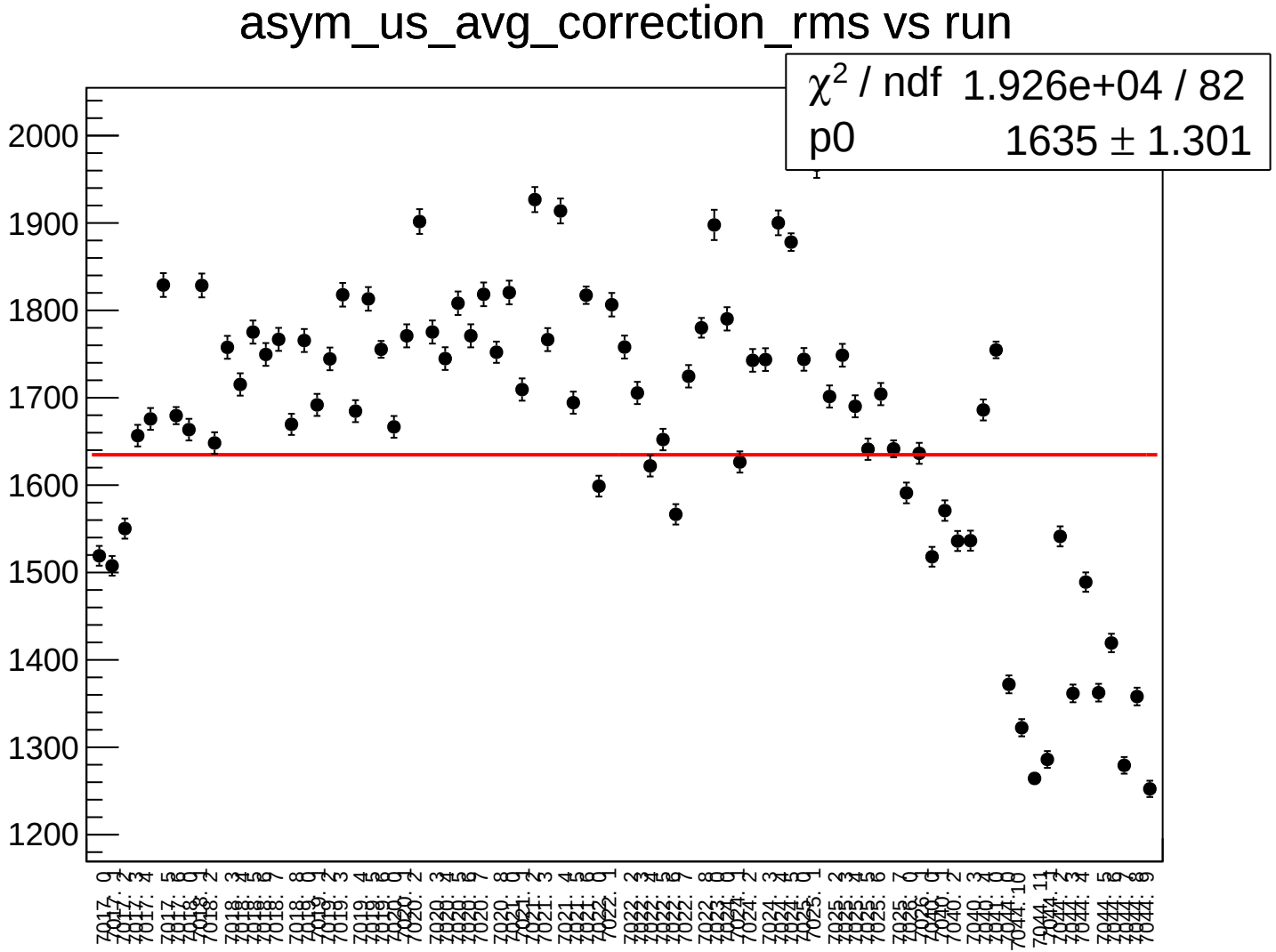
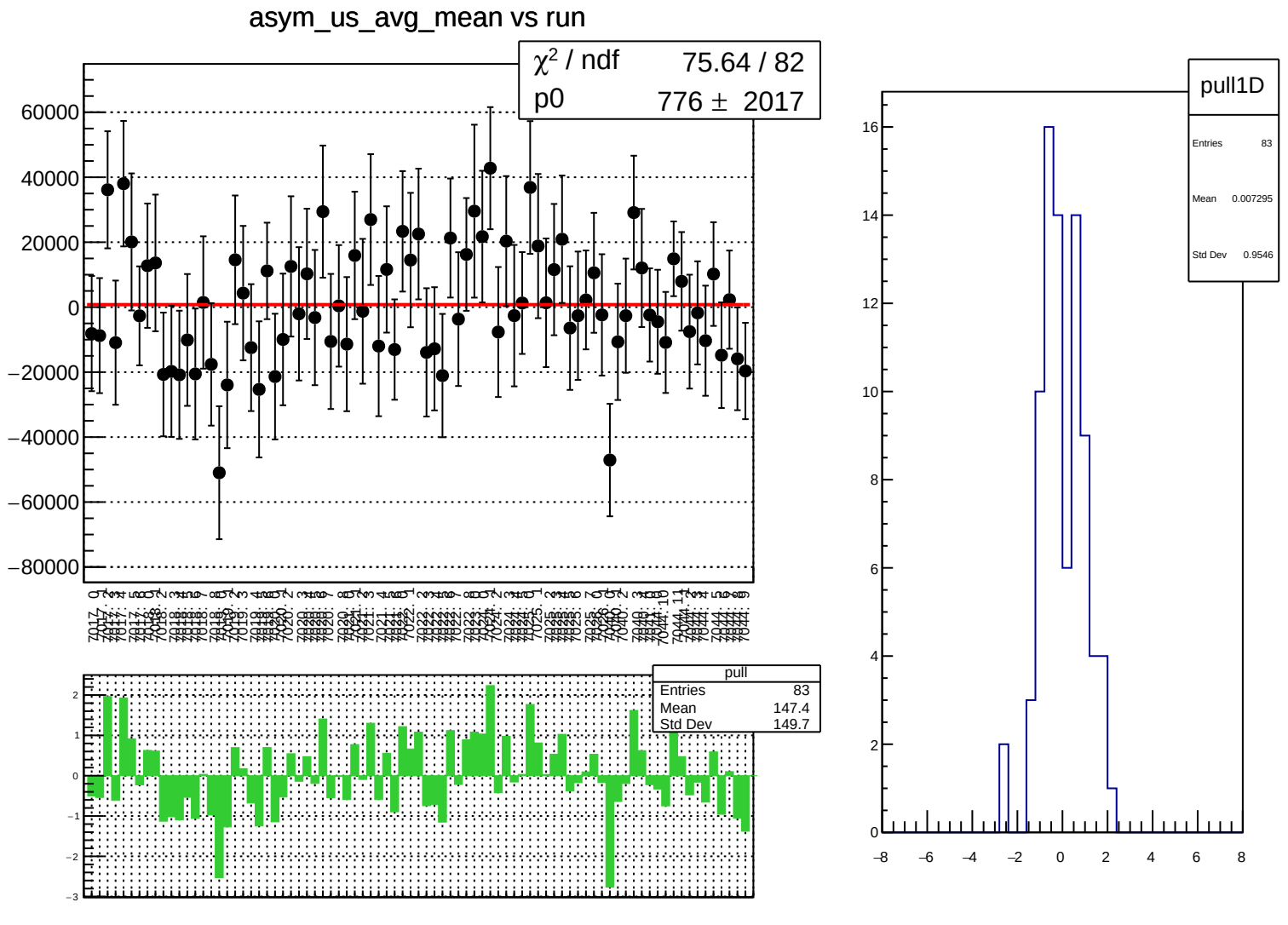
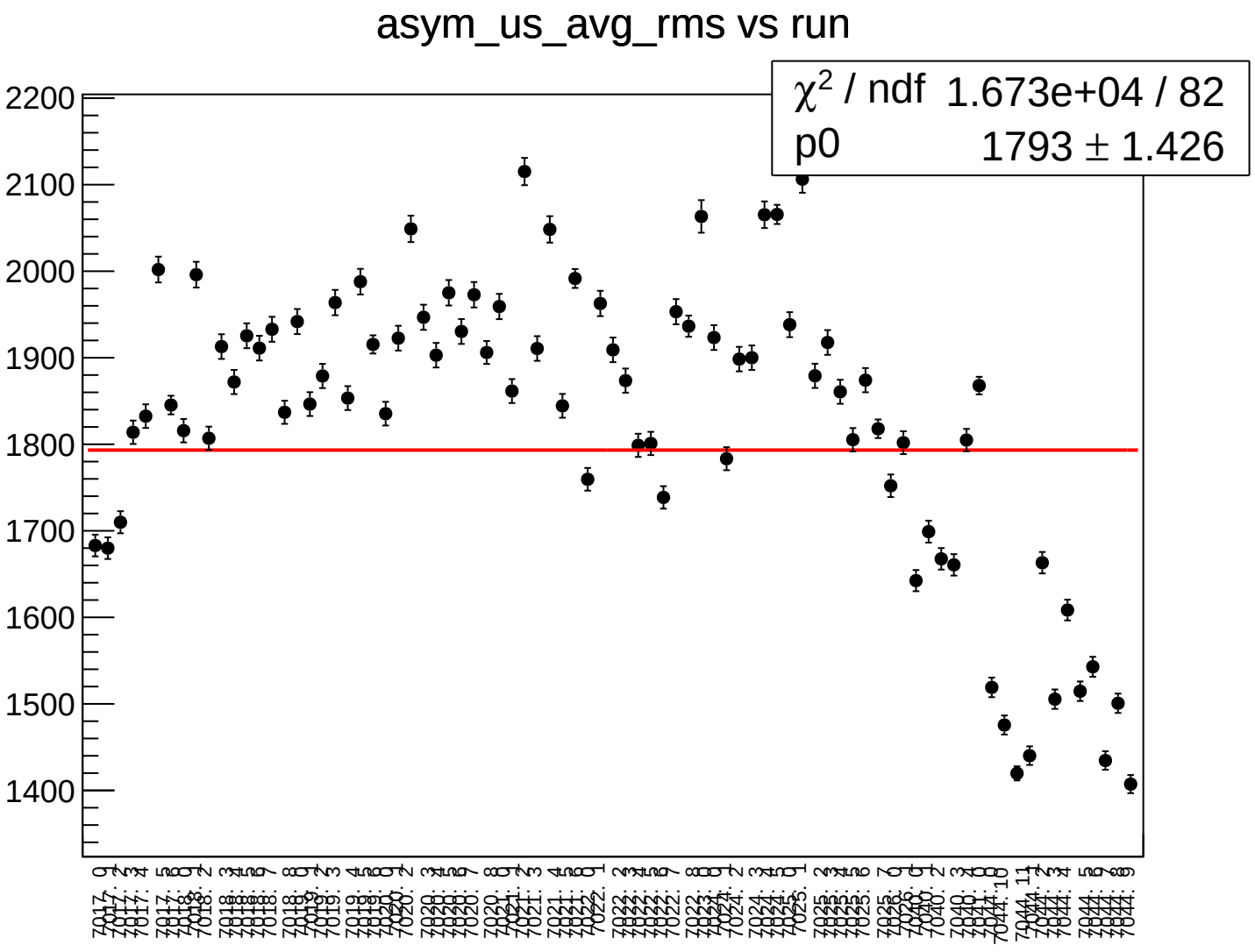

dit_asym_us_avg_mean vs run
χ² / ndf 65.66 / 82
p0 −2328 ± 893.7
pull
Entries 83
Mean −271.5
Std Dev 336.1
pull1D
Entries 83
Mean 0.002043
Std Dev 0.8894

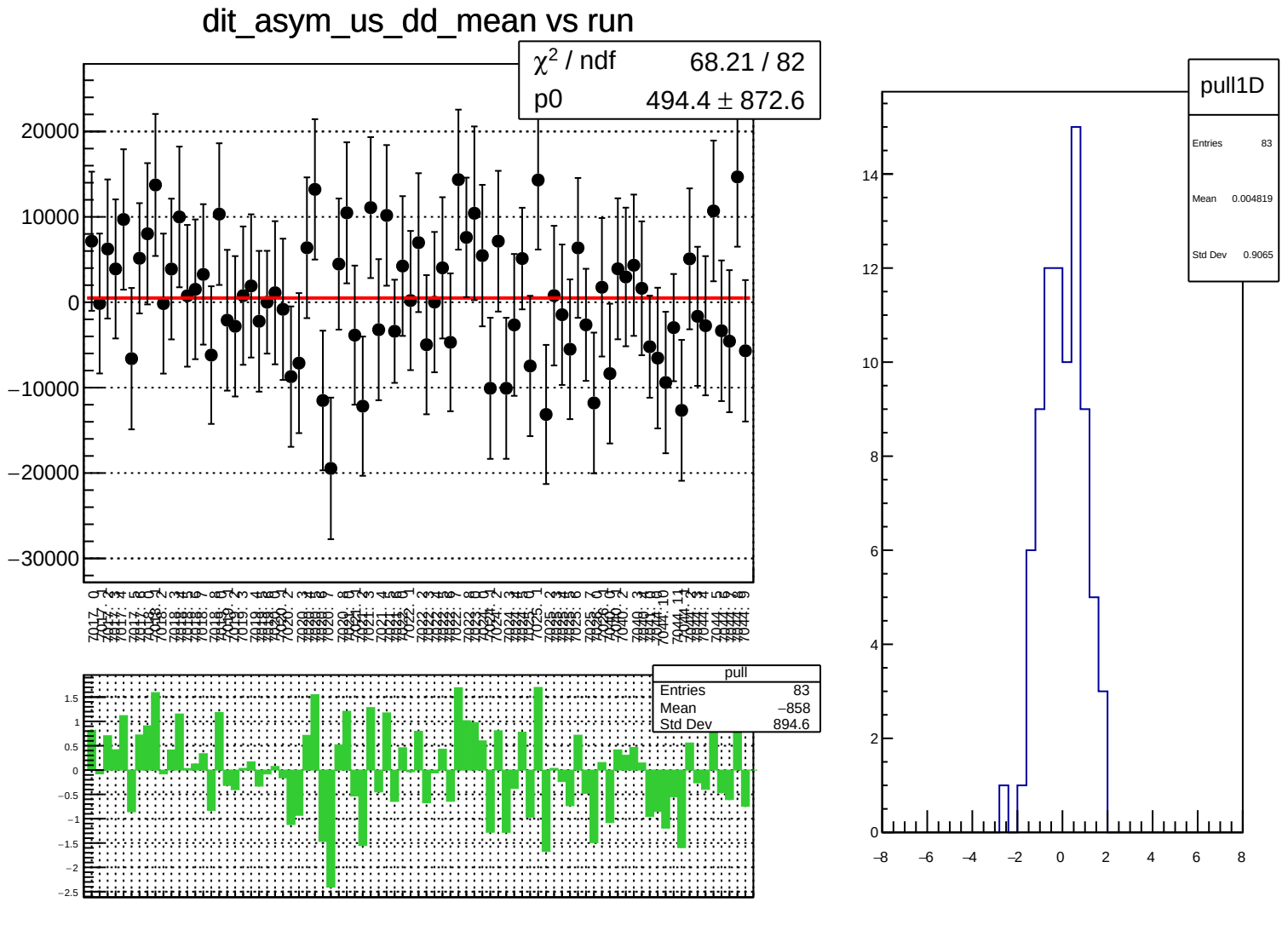

dit_asym_us_avg_rms vs run
χ^2 / ndf 104.8 / 82
p0 798.9 ± 0.6319
820
810
800
790
780

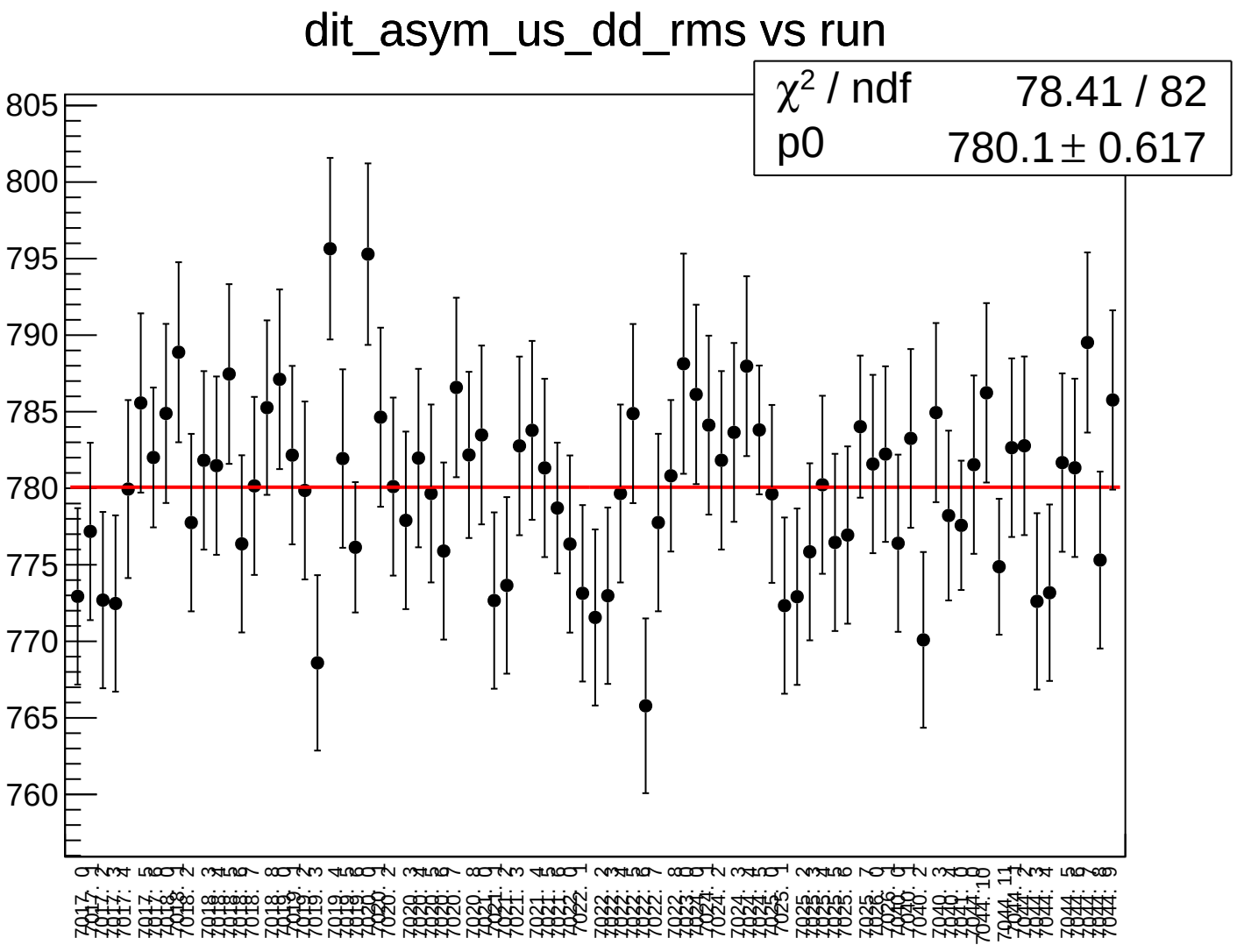

asym_us_avg_correction_mean vs run
χ² / ndf 74.95 / 82
p0 −3189 ± 1840
pull
Entries 83
Mean 240.8
Std Dev 229.6
pull1D
Entries 83
Mean −0.005872
Std Dev 0.9502

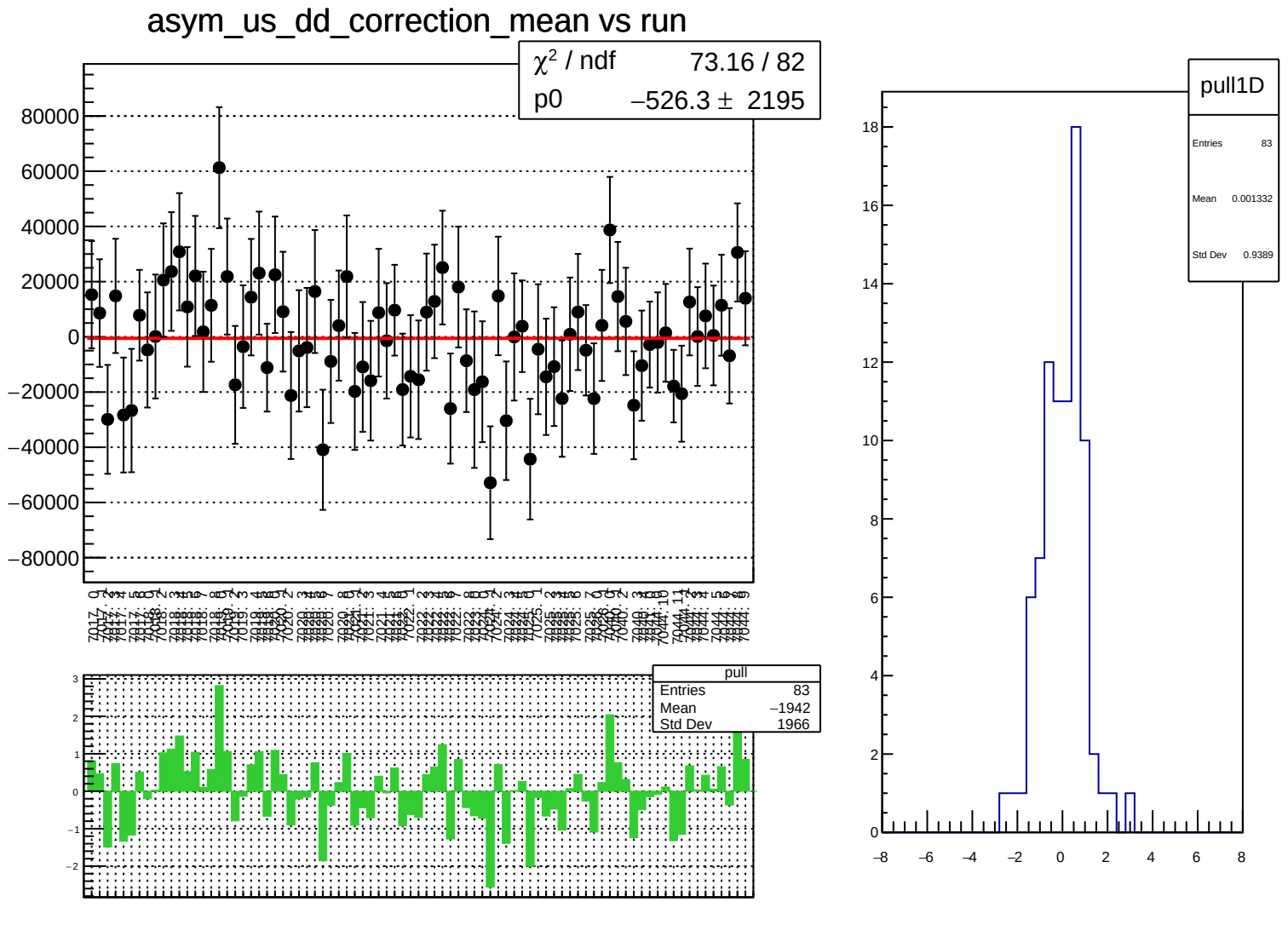

asym_us_avg_correction_rms vs run
χ^2 / ndf 1.926e+04 / 82
p0 1635 ± 1.301
2000
1900
1800
1700
1600
1500
1400
1300
1200


asym_us_avg_mean vs run
χ² / ndf 75.64 / 82
p0 776 ± 2017
pull
Entries 83
Mean 147.4
Std Dev 149.7
pull1D
Entries 83
Mean 0.007295
Std Dev 0.9546

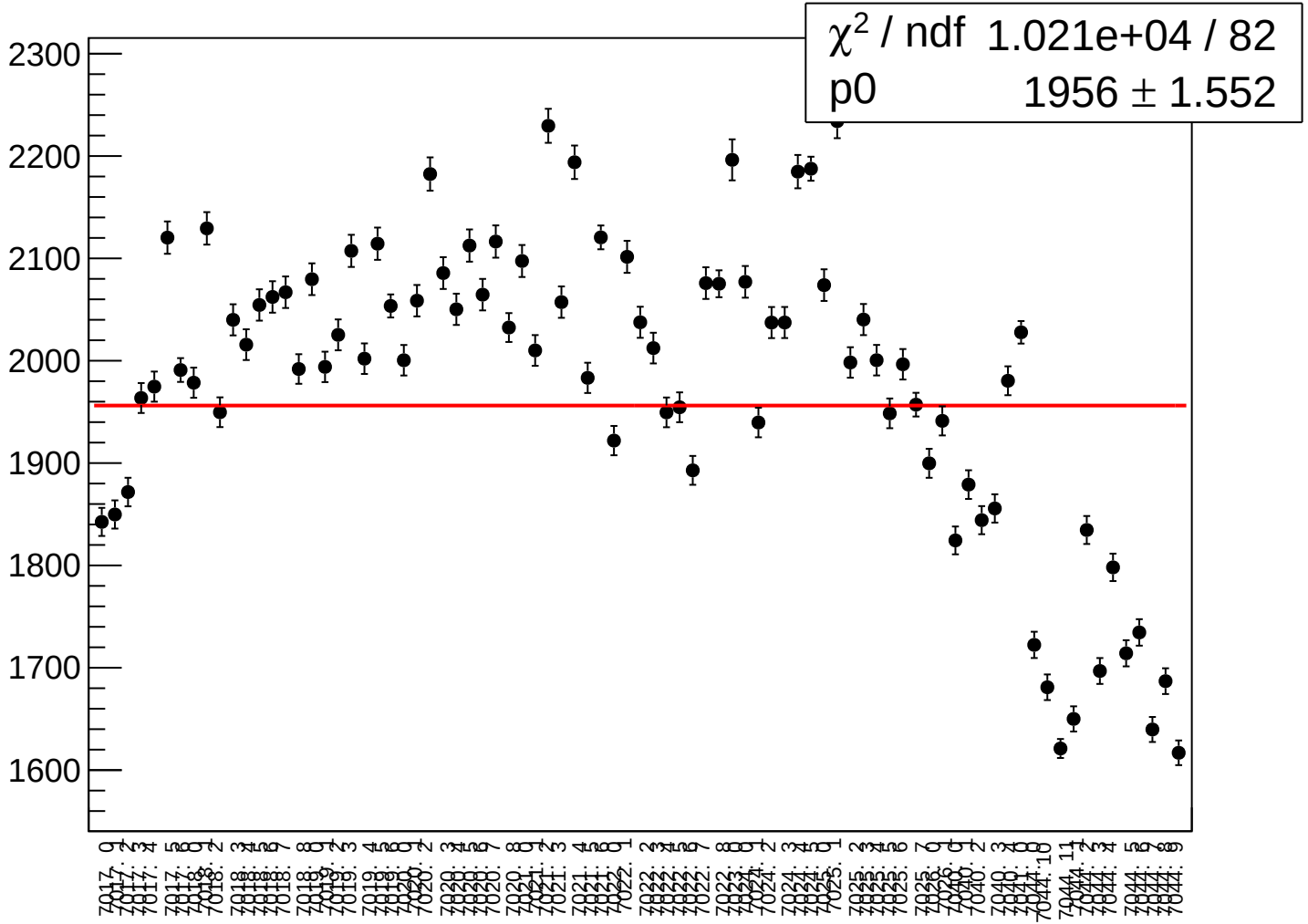

asym_us_avg_rms vs run
χ^2 / ndf 1.673e+04 / 82
p0 1793 ± 1.426
2200
2100
2000
1900
1800
1700
1600
1500
1400

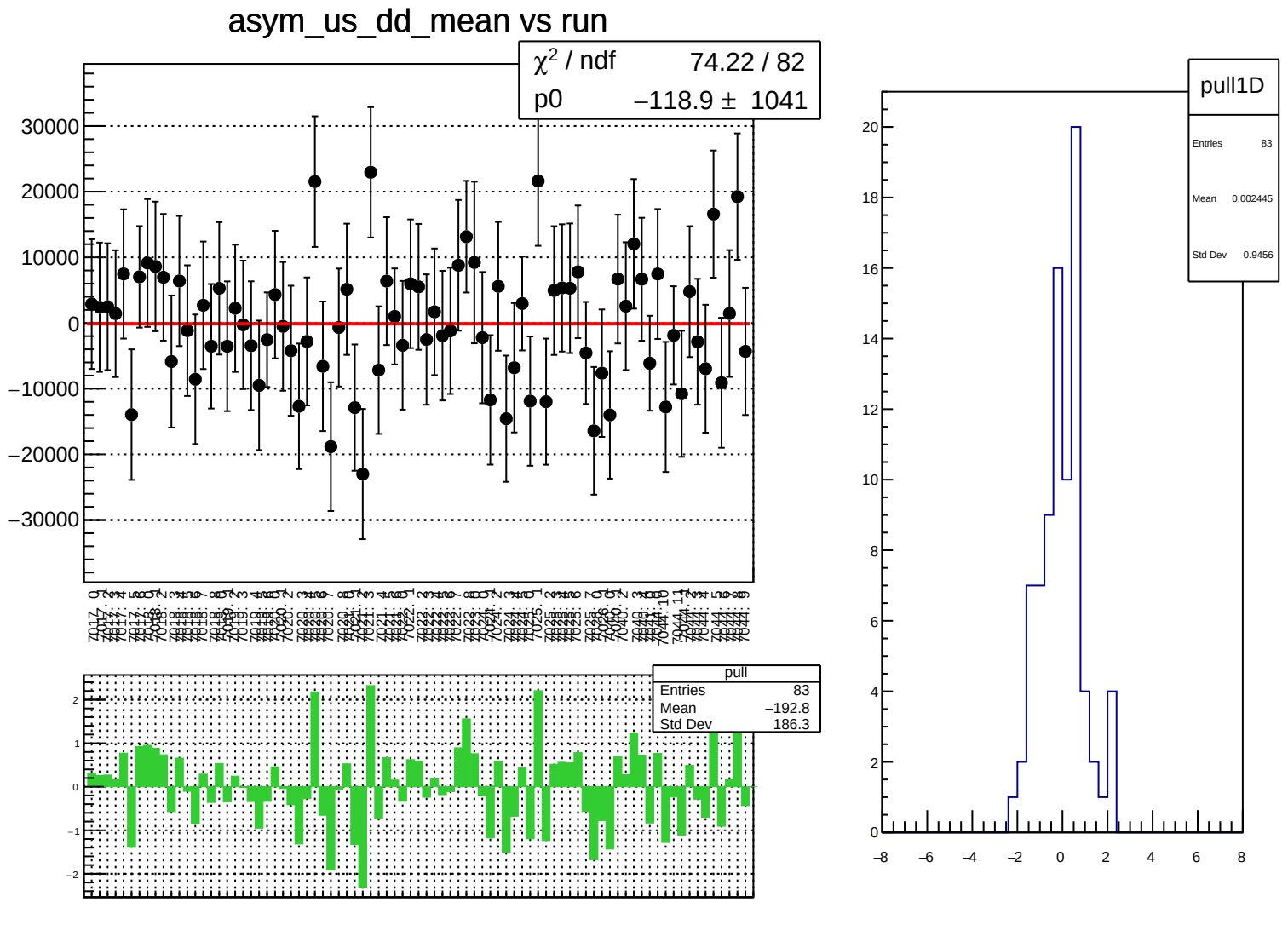

dit_asym_us_dd_mean vs run
χ² / ndf 68.21 / 82
p0 494.4 ± 872.6
pull
Entries 83
Mean −858
Std Dev 894.6
pull1D
Entries 83
Mean 0.004819
Std Dev 0.9065

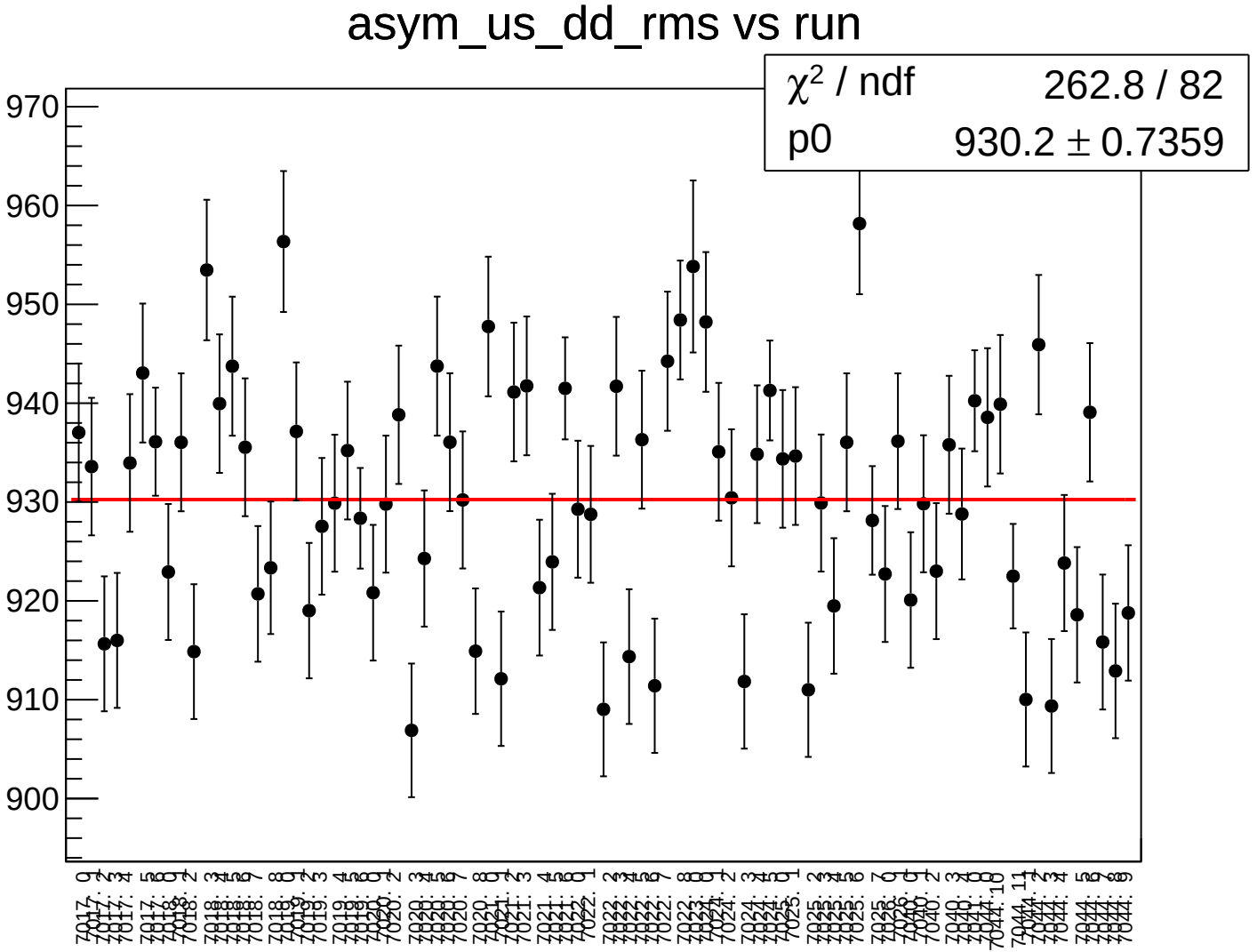

dit_asym_us_dd_rms vs run
χ² / ndf 78.41 / 82
p0 780.1 ± 0.617
805
800
795
790
785
780
775
770
765
760

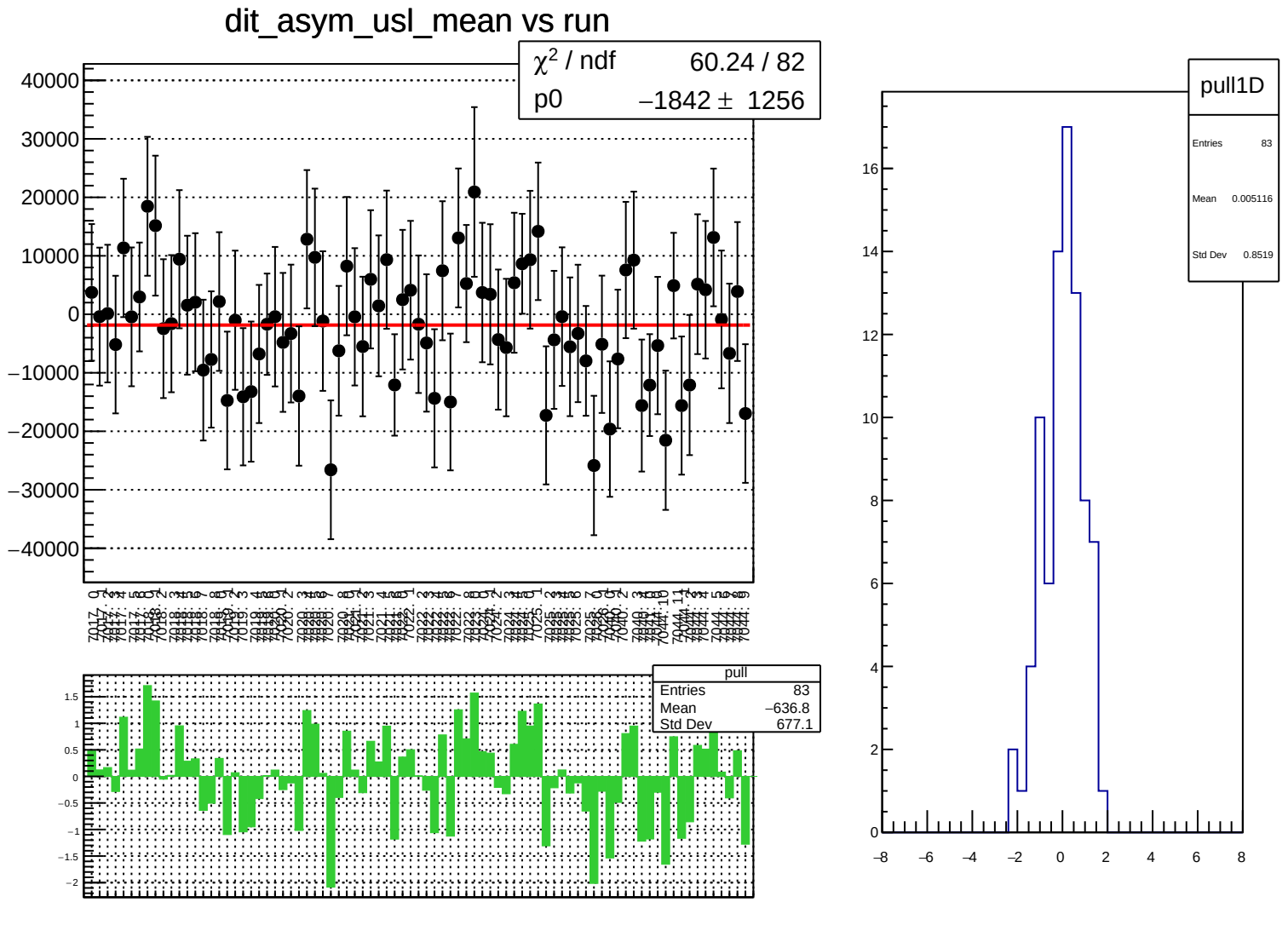

asym_us_dd_correction_mean vs run
χ² / ndf 73.16 / 82
p0 −526.3 ± 2195
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean −1942
Std Dev 1966
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.001332
Std Dev 0.9389
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

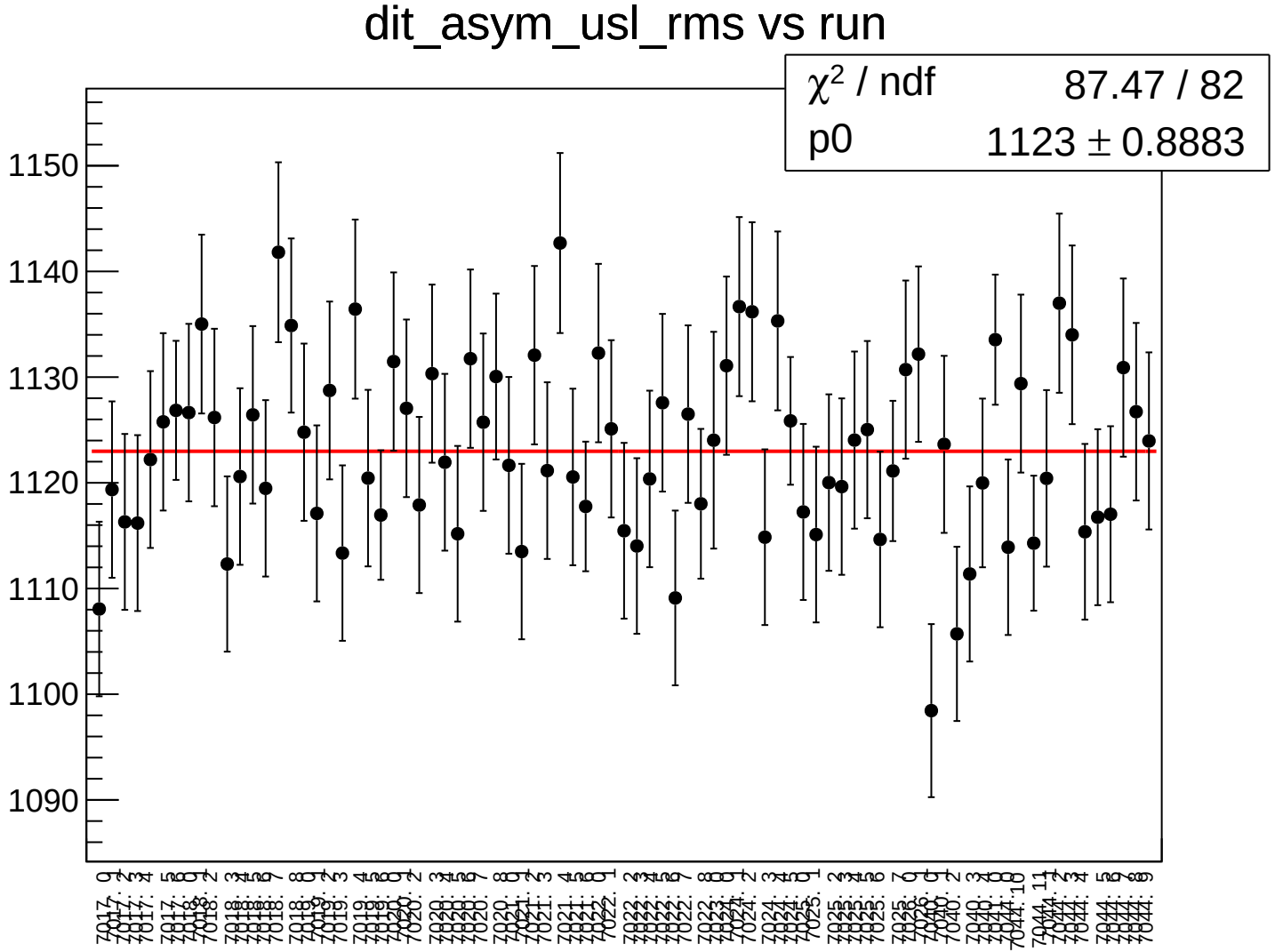
asym_us_dd_correction_rms vs run

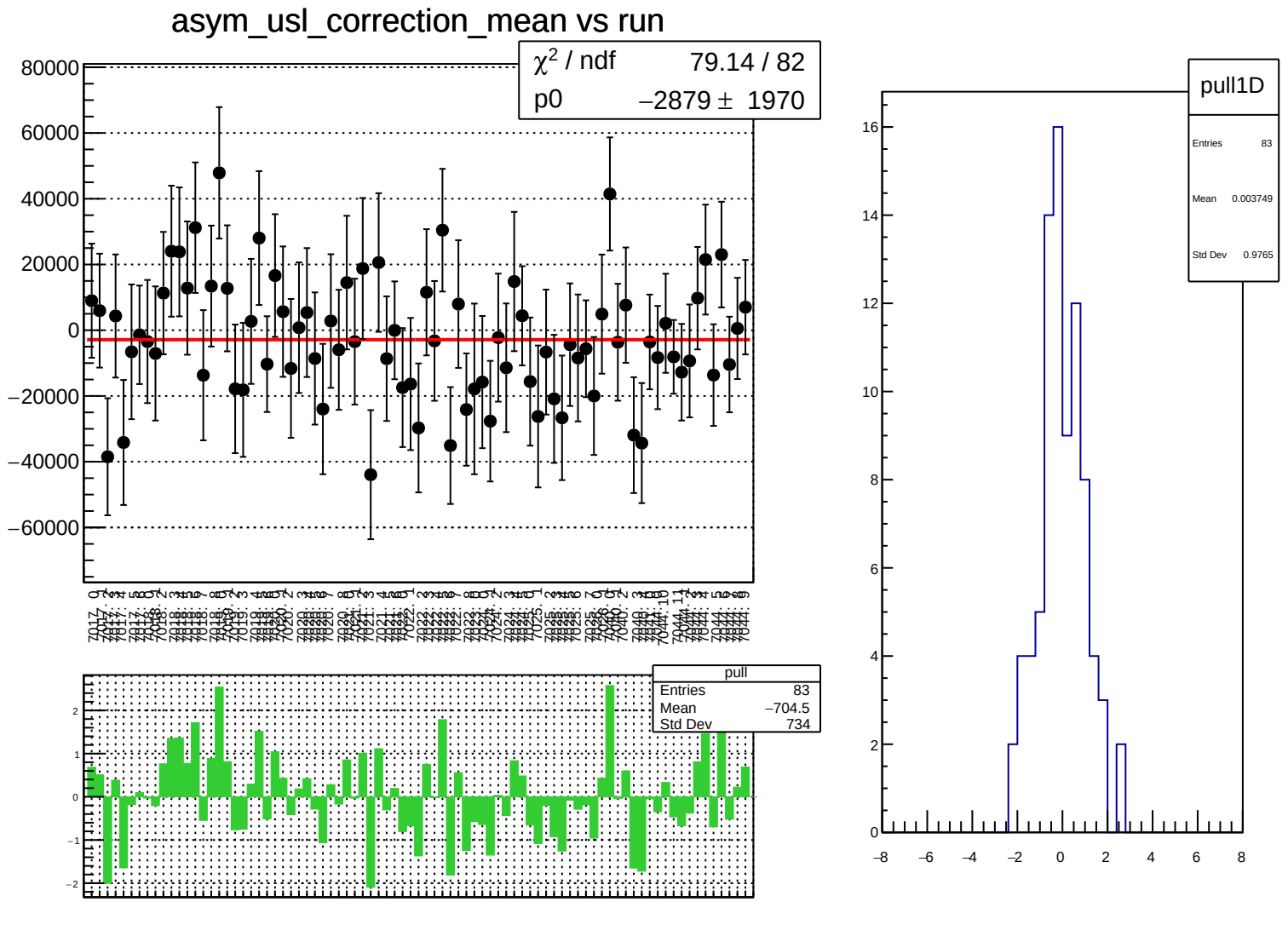


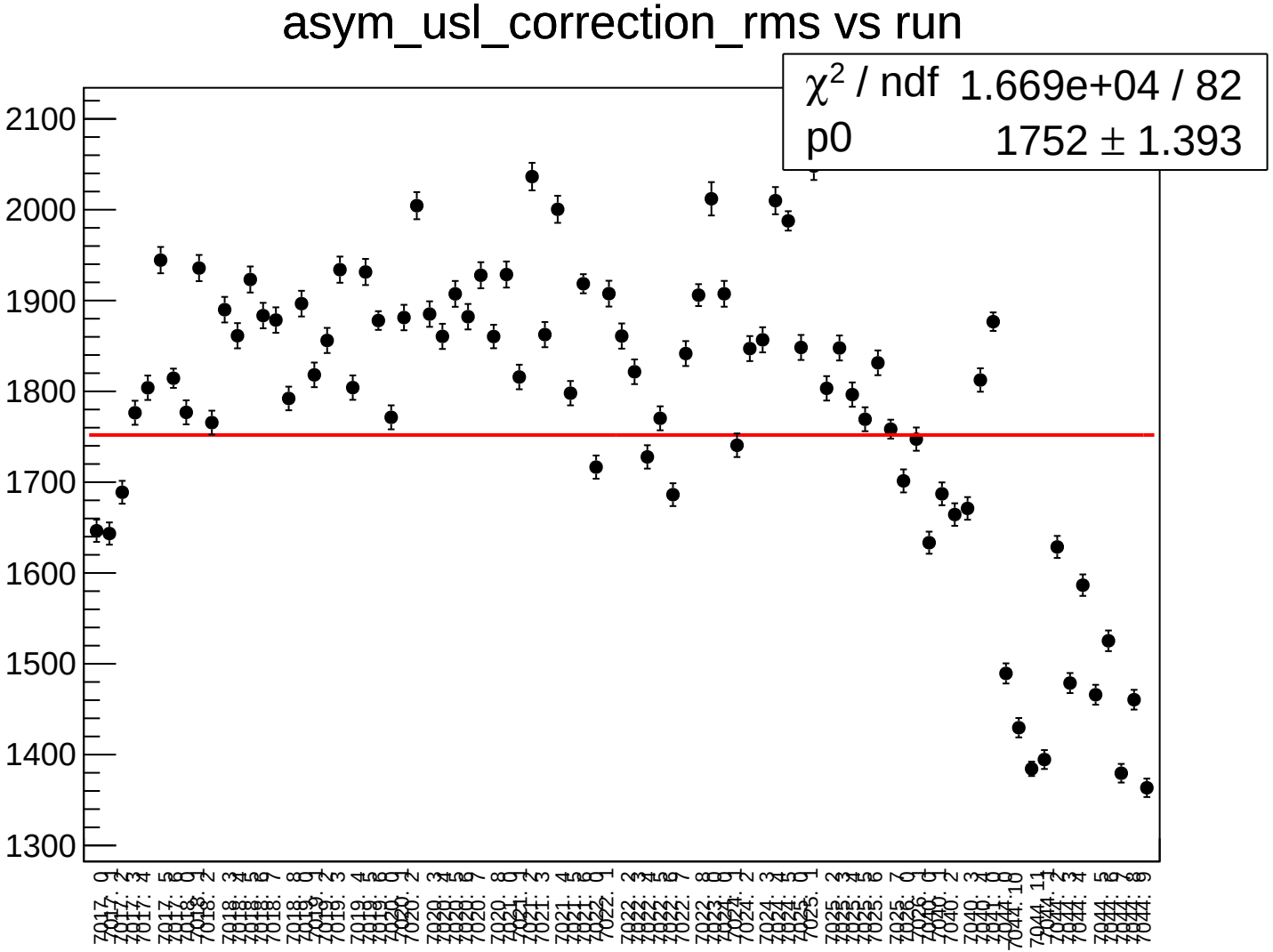

asym_us_dd_mean vs run
χ² / ndf 74.22 / 82
p0 −118.9 ± 1041
pull
Entries 83
Mean −192.8
Std Dev 186.3
pull1D
Entries 83
Mean 0.002445
Std Dev 0.9456

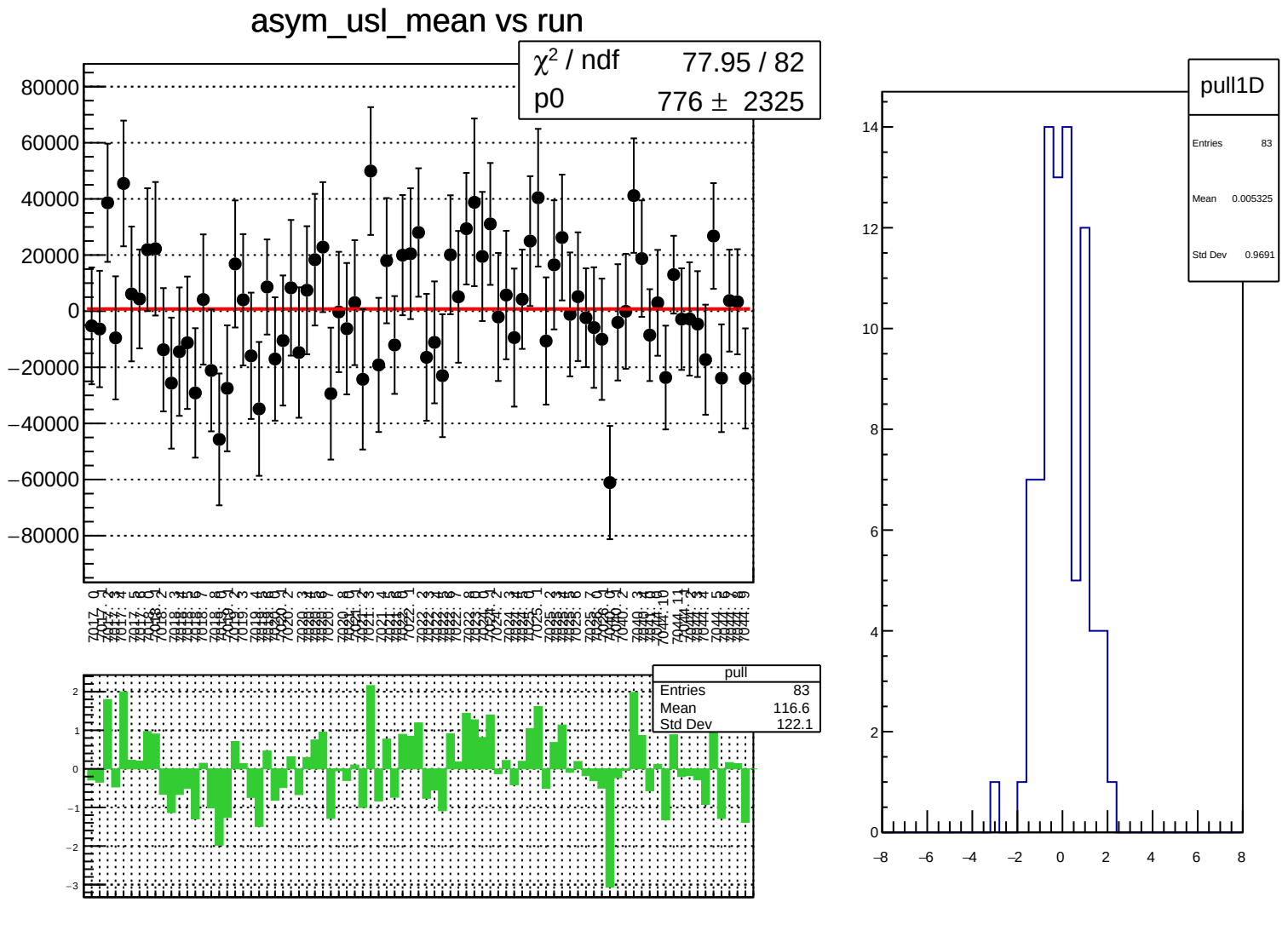

asym_us_dd_rms vs run
χ² / ndf 262.8 / 82
p0 930.2 ± 0.7359
970
960
950
940
930
920
910
900

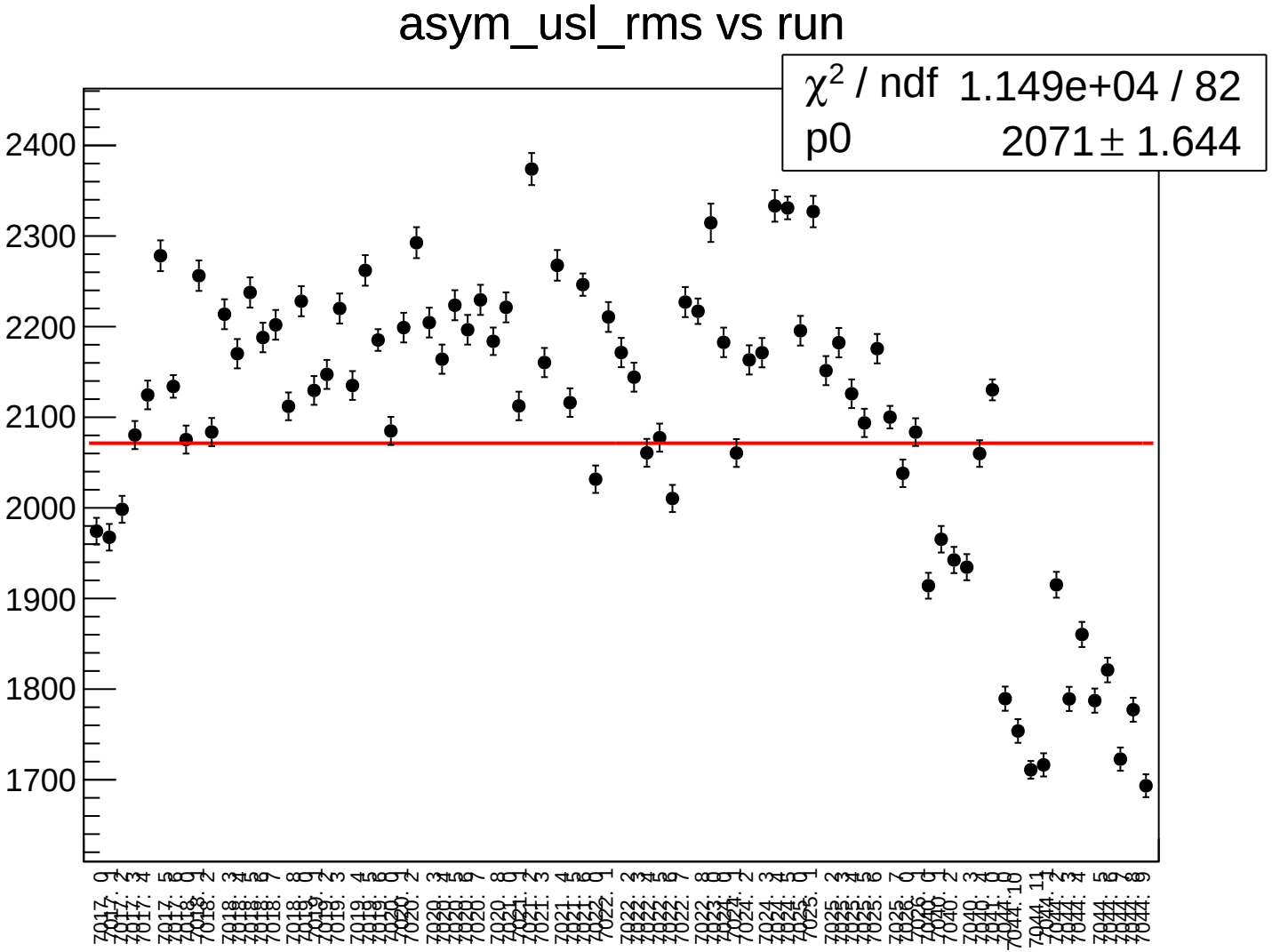

dit_asym_usl_mean vs run
χ² / ndf 60.24 / 82
p0 −1842 ± 1256
pull
Entries 83
Mean −636.8
Std Dev 677.1
pull1D
Entries 83
Mean 0.005116
Std Dev 0.8519

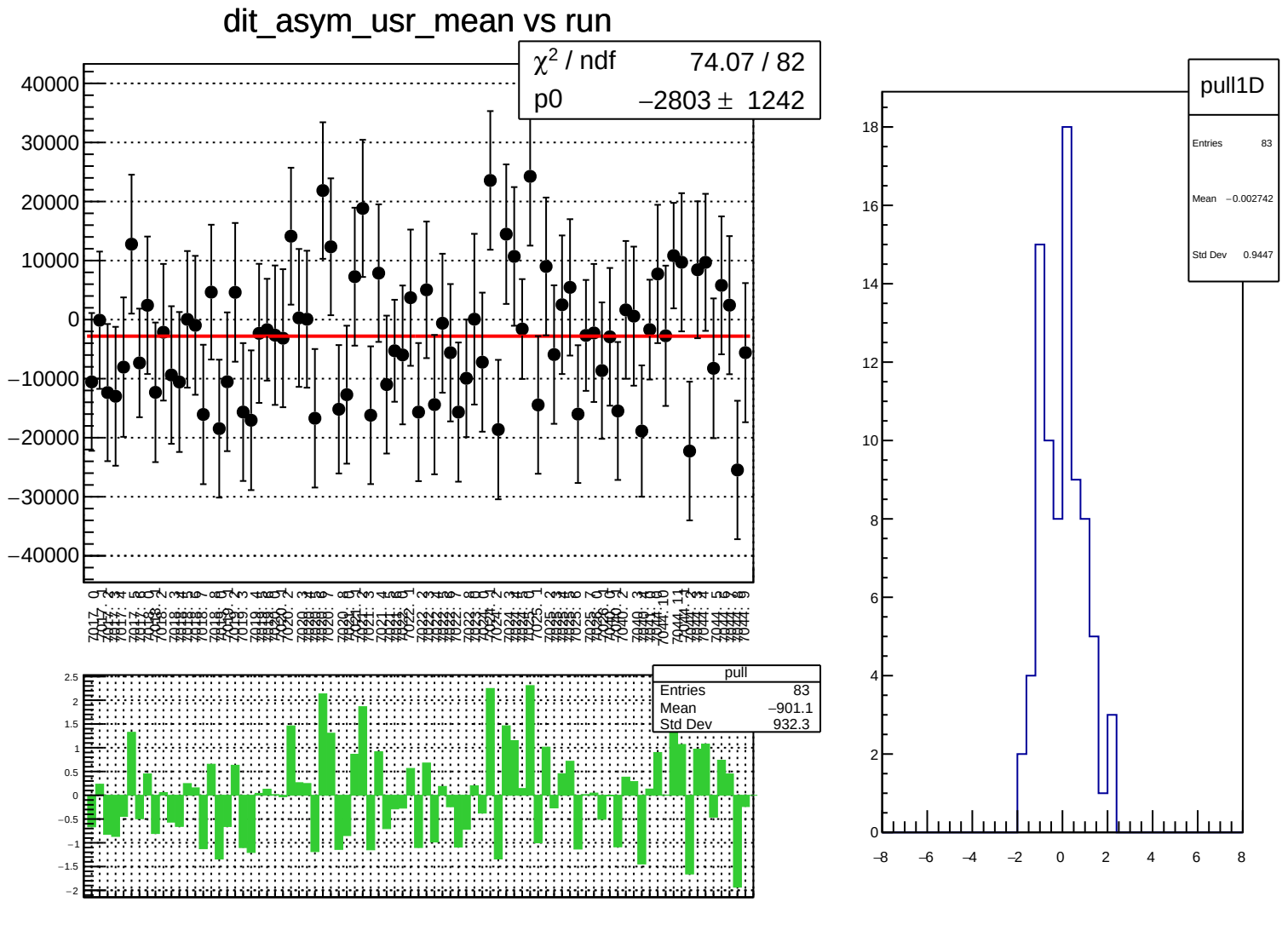

dit_asym_usl_rms vs run
χ² / ndf 87.47 / 82
p0 1123 ± 0.8883
1150
1140
1130
1120
1110
1100
1090

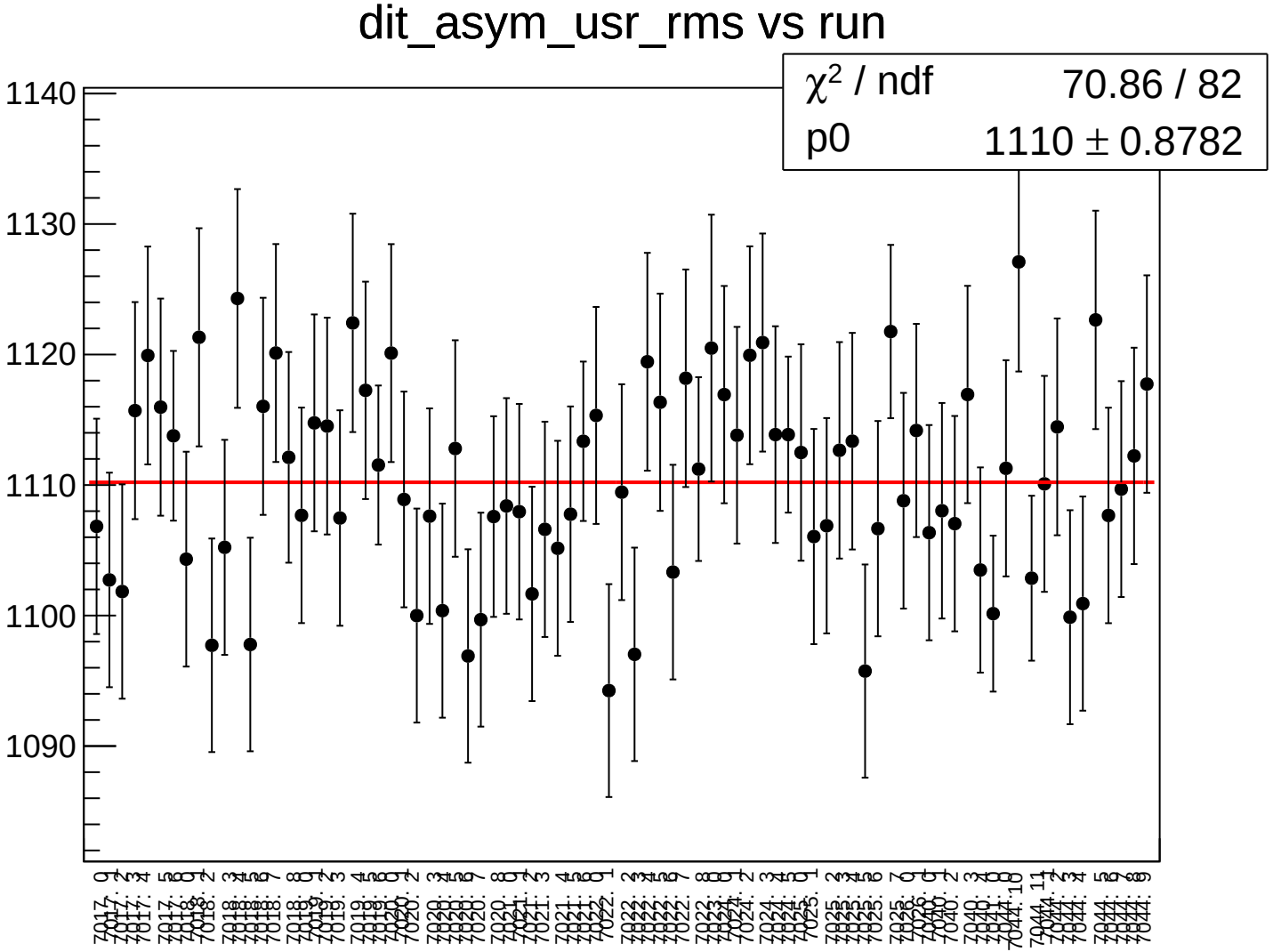

asym_usl_correction_mean vs run
χ² / ndf 79.14 / 82
p0 −2879 ± 1970
pull
Entries 83
Mean −704.5
Std Dev 734
pull1D
Entries 83
Mean 0.003749
Std Dev 0.9765

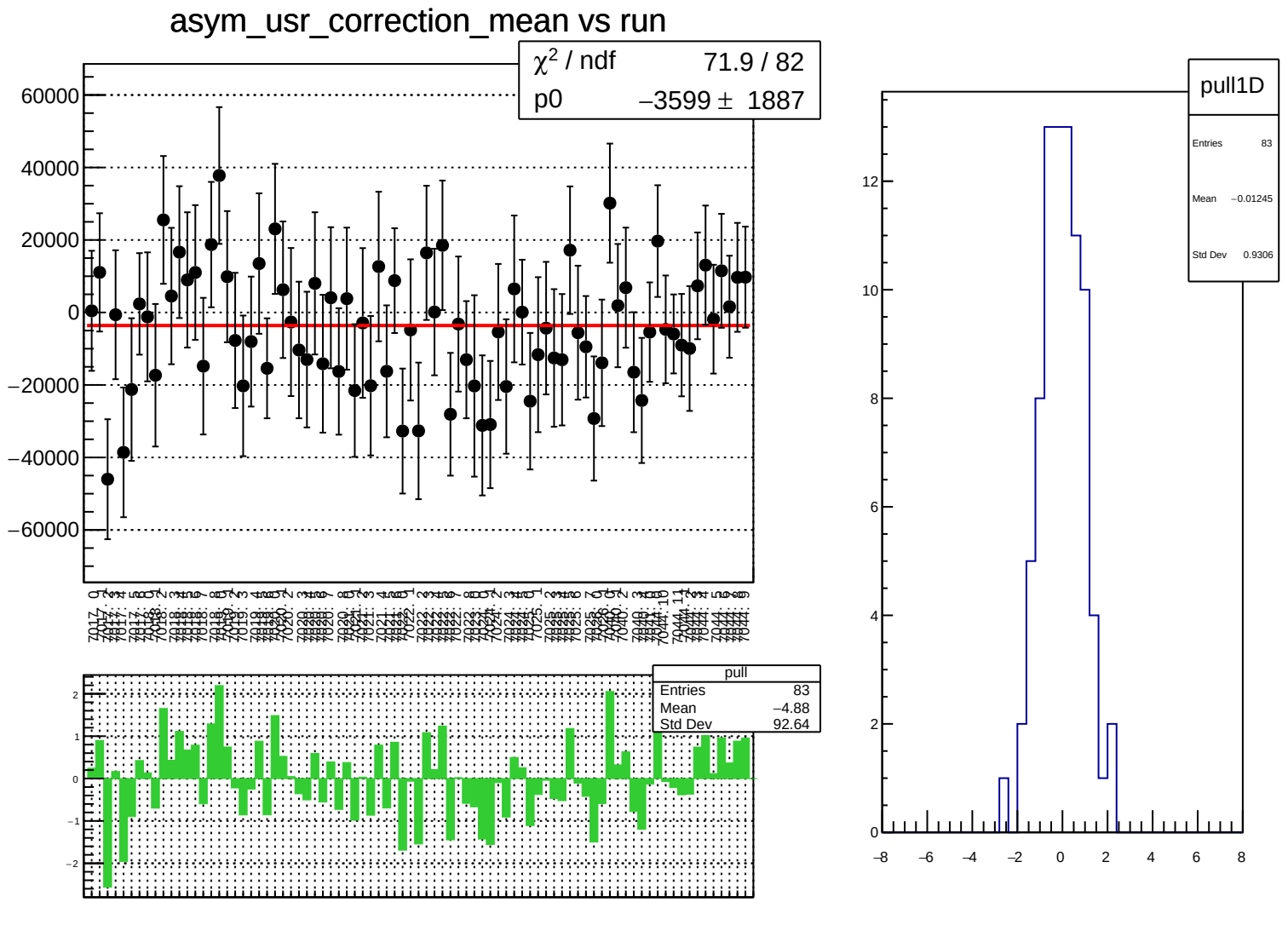

asym_usl_correction_rms vs run
χ2 / ndf 1.669e+04 / 82
p0 1752 ± 1.393
2100
2000
1900
1800
1700
1600
1500
1400
1300

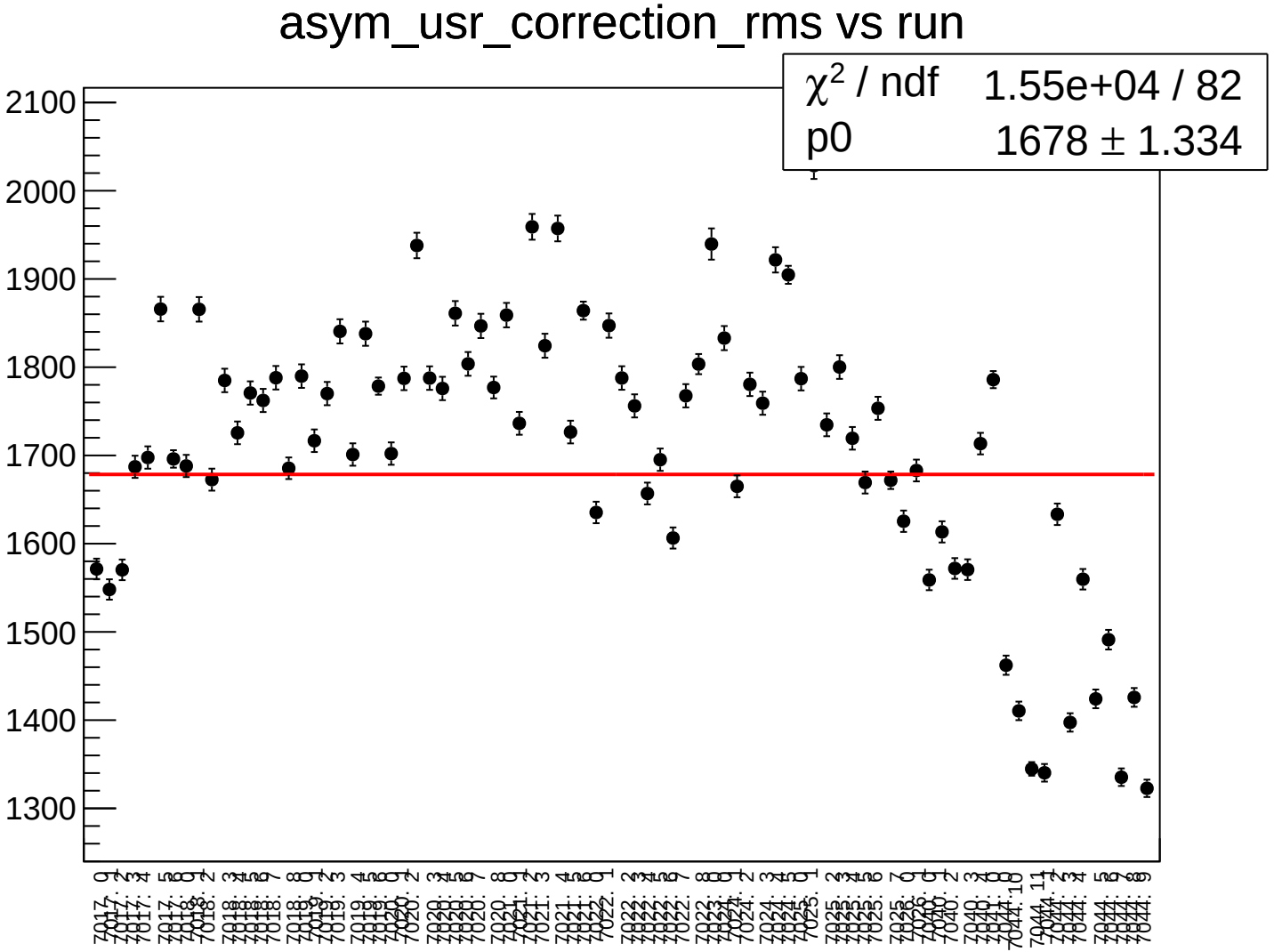

asym_usl_mean vs run
χ² / ndf 77.95 / 82
p0 776 ± 2325
pull
Entries 83
Mean 116.6
Std Dev 122.1
pull1D
Entries 83
Mean 0.005325
Std Dev 0.9691

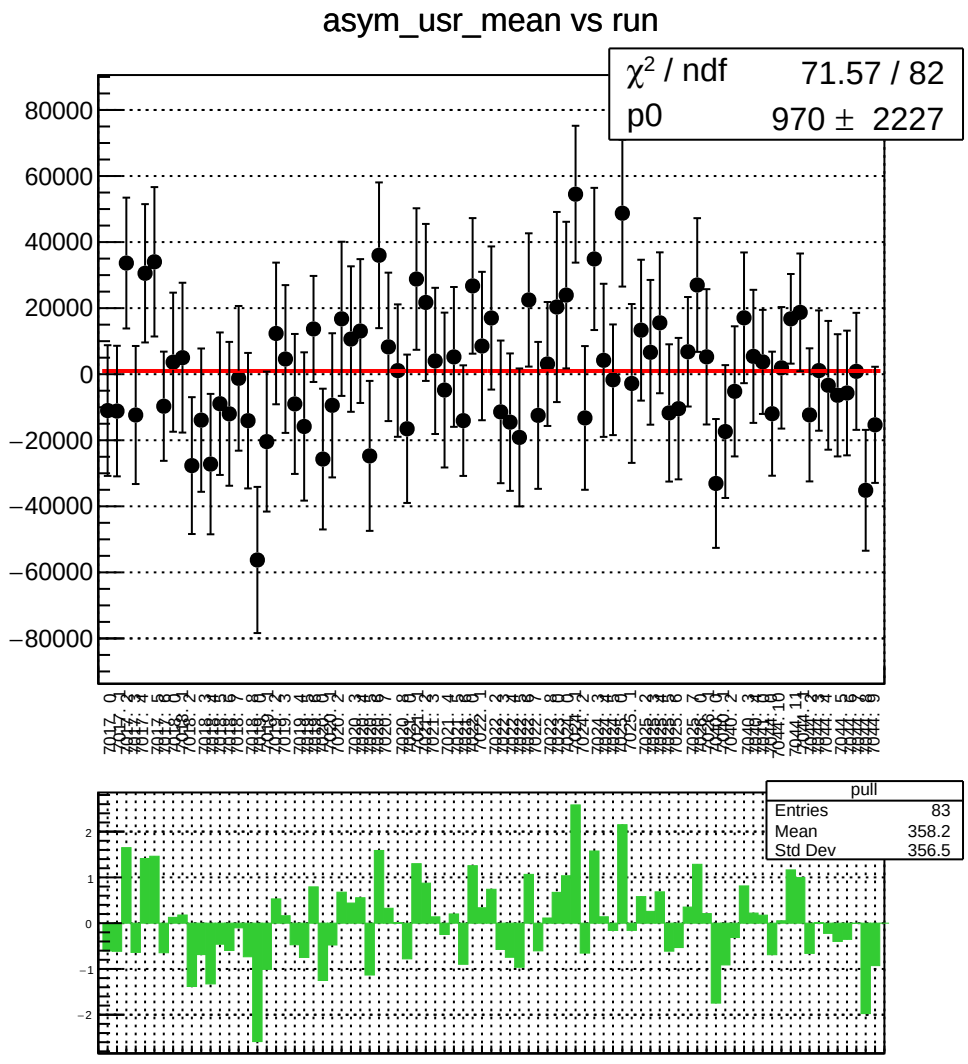

asym_usl_rms vs run
χ^2 / ndf 1.149e+04 / 82
p0 2071 ± 1.644
2400
2300
2200
2100
2000
1900
1800
1700

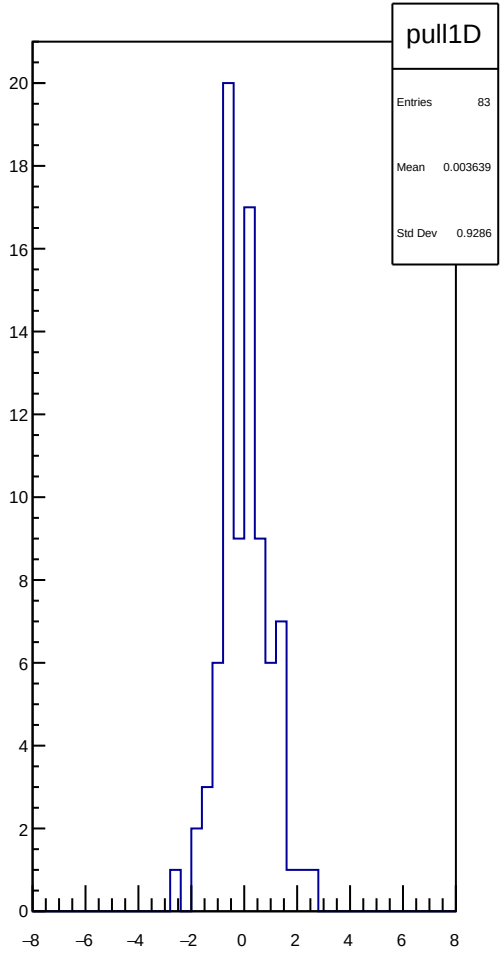

dit_asym_usr_mean vs run
χ² / ndf 74.07 / 82
p0 −2803 ± 1242
pull
Entries 83
Mean −901.1
Std Dev 932.3
pull1D
Entries 83
Mean −0.002742
Std Dev 0.9447

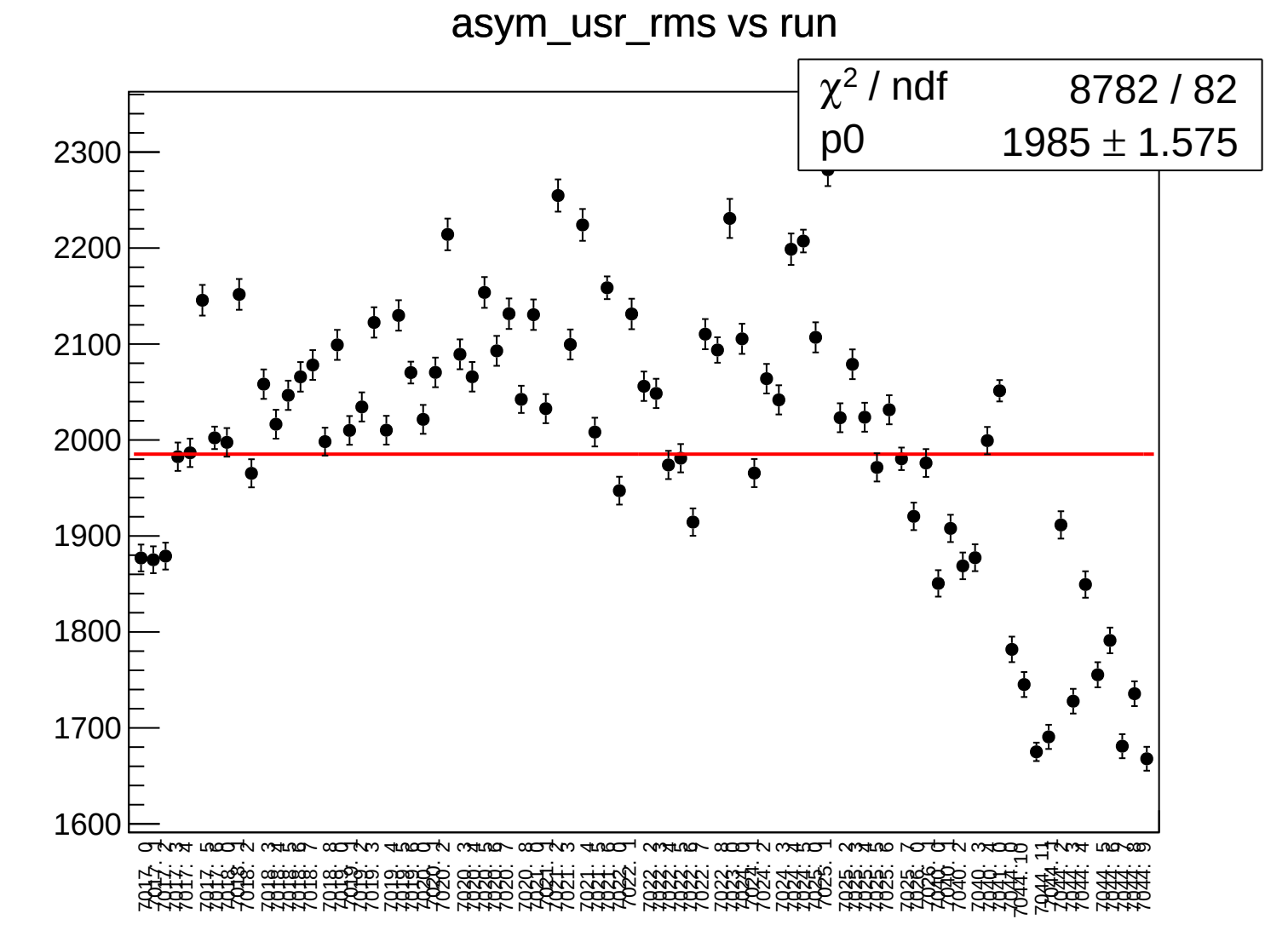

dit_asym_usr_rms vs run
χ² / ndf 70.86 / 82
p0 1110 ± 0.8782
1140
1130
1120
1110
1100
1090

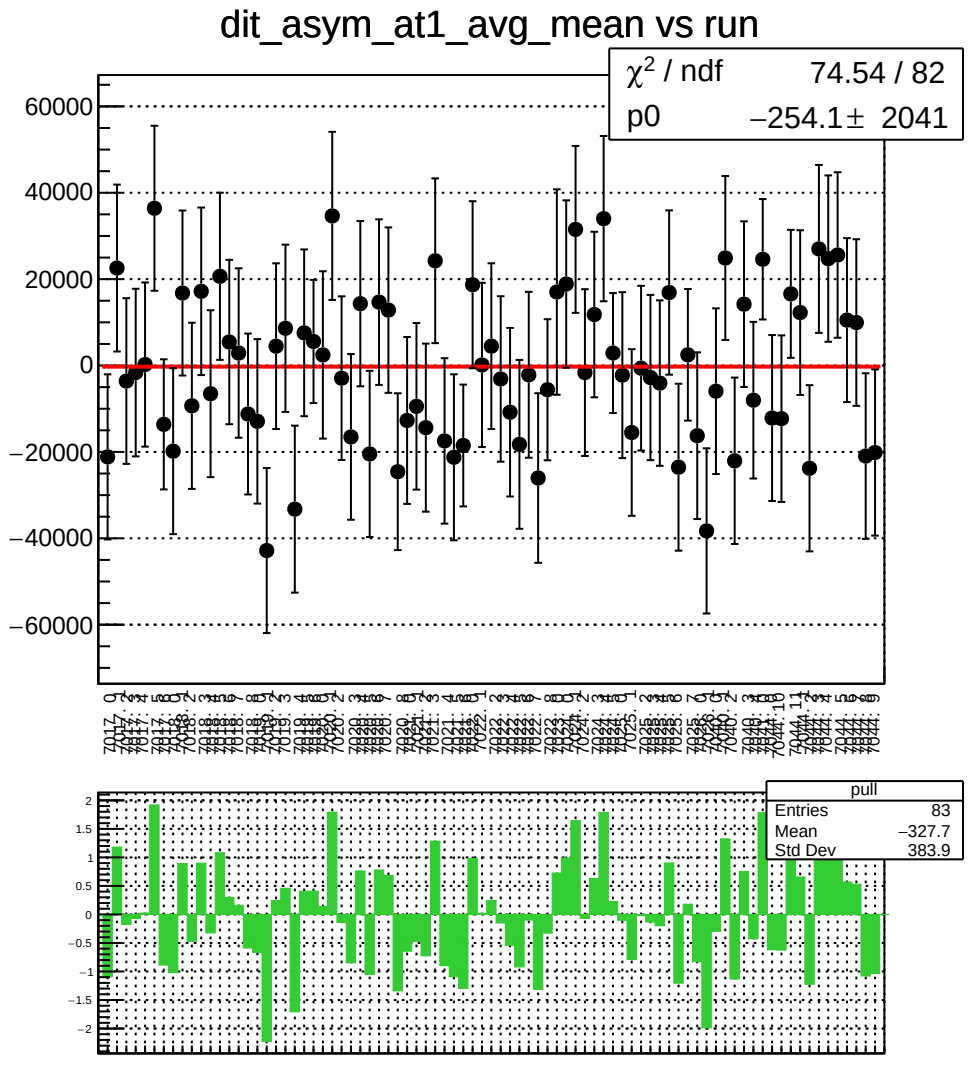

asym_usr_correction_mean vs run
χ² / ndf 71.9 / 82
p0 −3599 ± 1887
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −4.88
Std Dev 92.64
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01245
Std Dev 0.9306
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

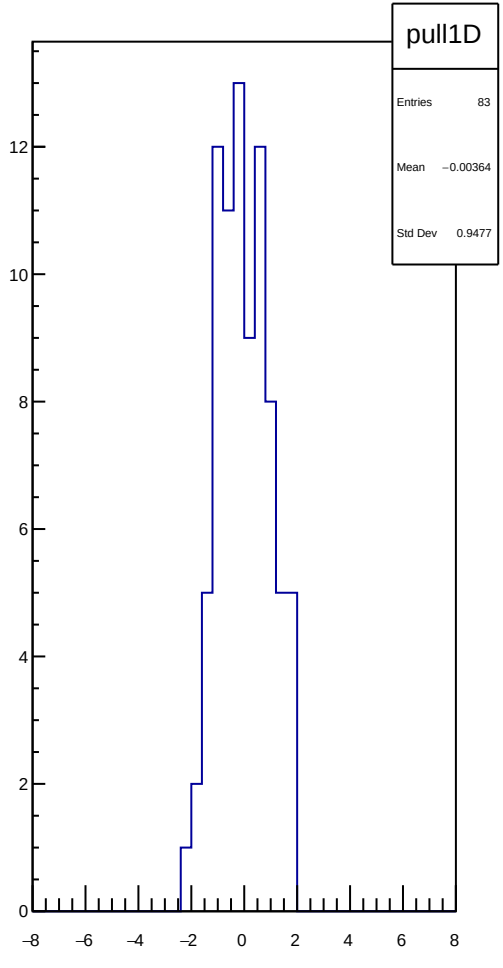

asym_usr_correction_rms vs run
χ2 / ndf 1.55e+04 / 82
p0 1678 ± 1.334
2100
2000
1900
1800
1700
1600
1500
1400
1300

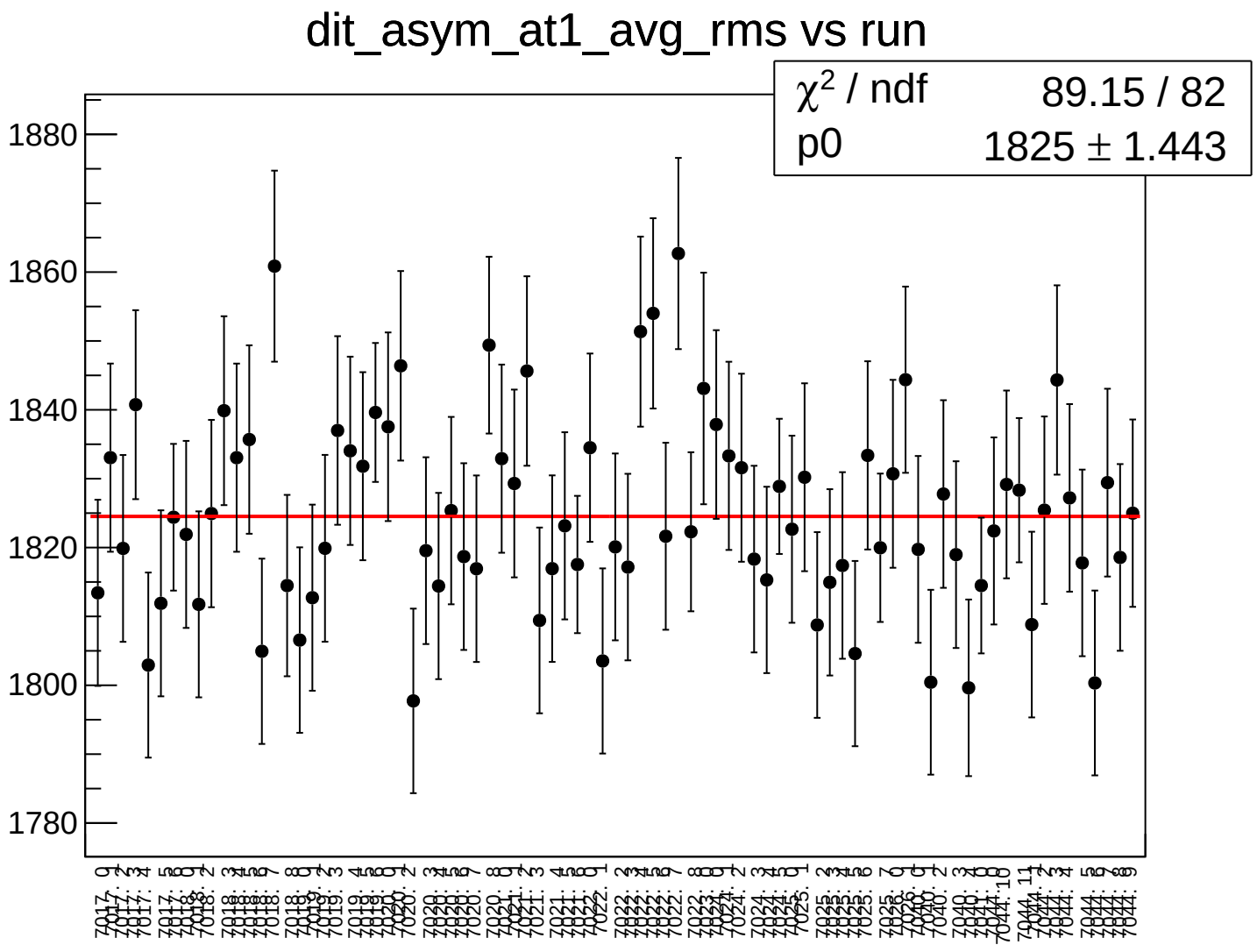

asym_usr_mean vs run
χ² / ndf 71.57 / 82
p0 970 ± 2227
pull
Entries 83
Mean 358.2
Std Dev 356.5

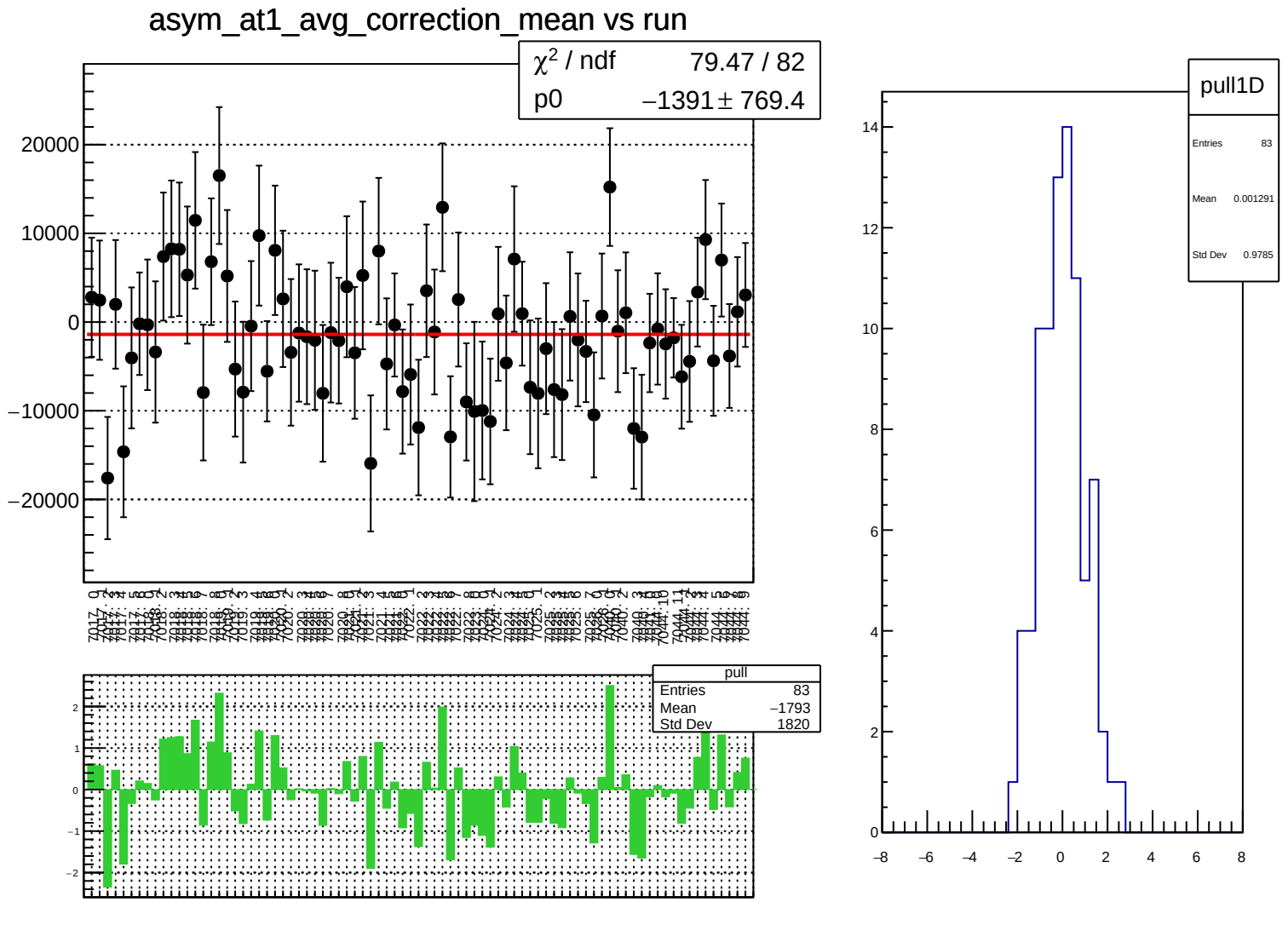

pull1D
Entries 83
Mean 0.003639
Std Dev 0.9286


asym_usr_rms vs run
χ² / ndf 8782 / 82
p0 1985 ± 1.575
2300
2200
2100
2000
1900
1800
1700
1600

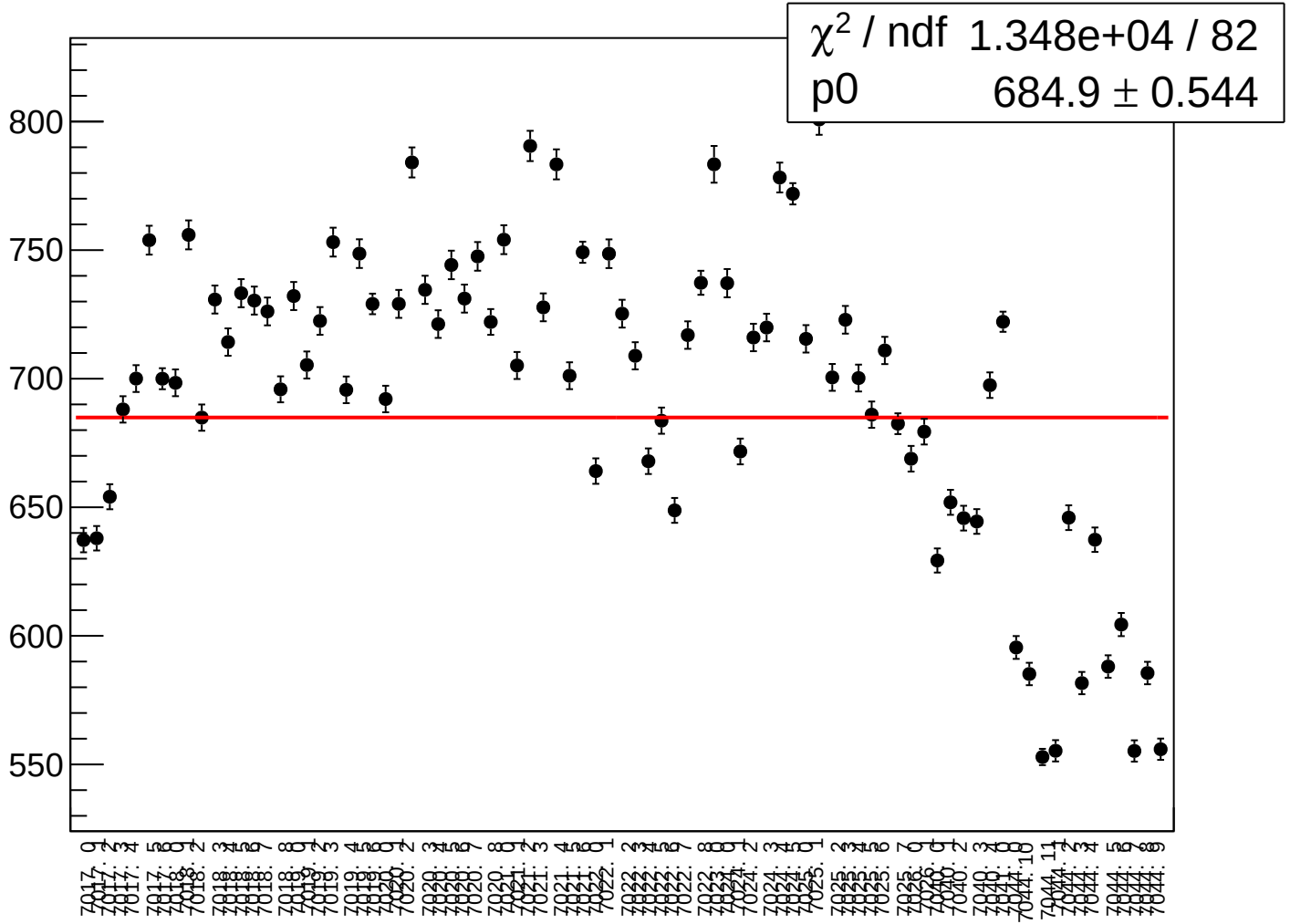

dit_asym_at1_avg_mean vs run
χ² / ndf 74.54 / 82
p0 −254.1 ± 2041
pull
Entries 83
Mean −327.7
Std Dev 383.9

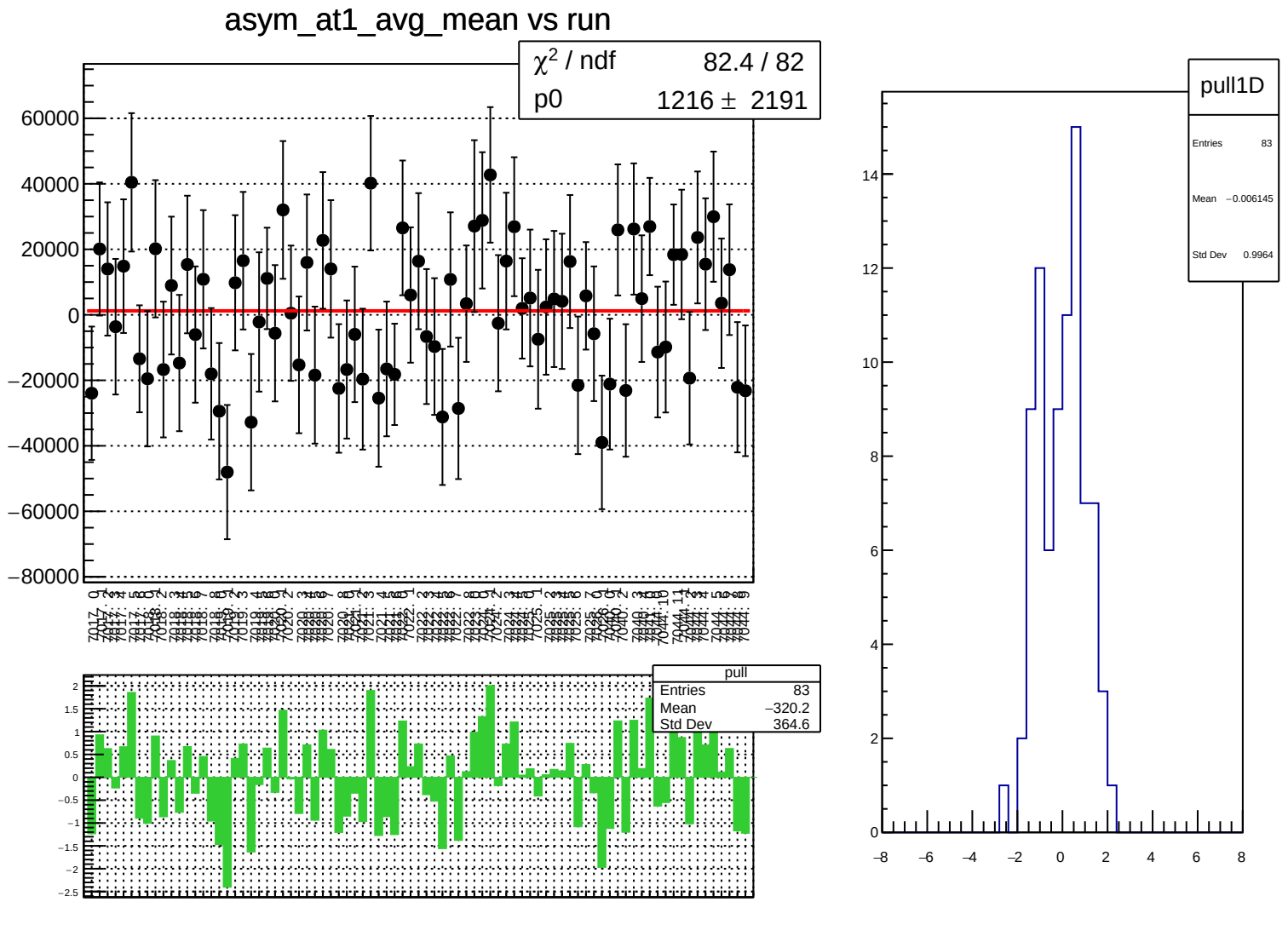

pull1D
Entries 83
Mean −0.00364
Std Dev 0.9477

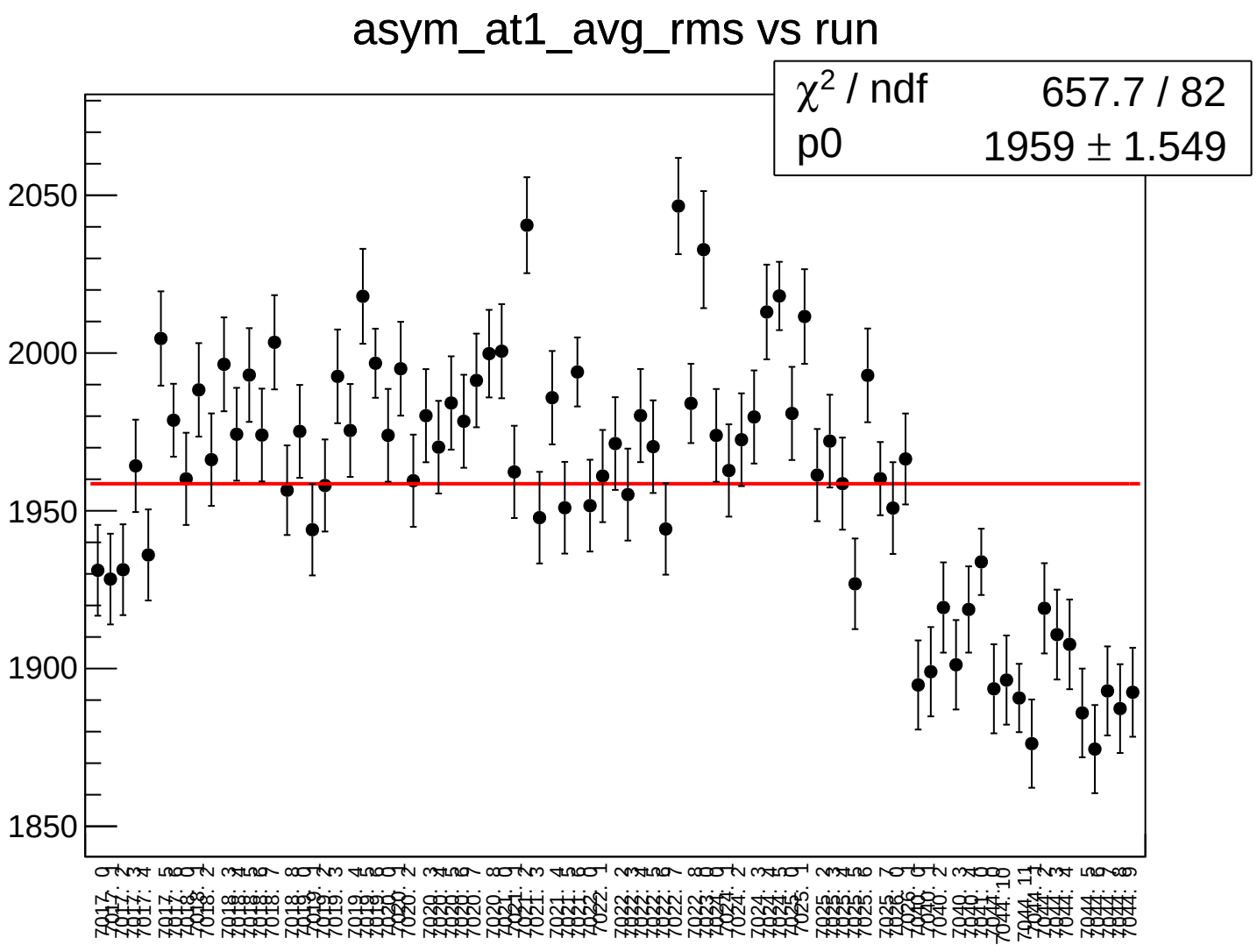

dit_asym_at1_avg_rms vs run
χ2 / ndf 89.15 / 82
p0 1825 ± 1.443
1880
1860
1840
1820
1800
1780

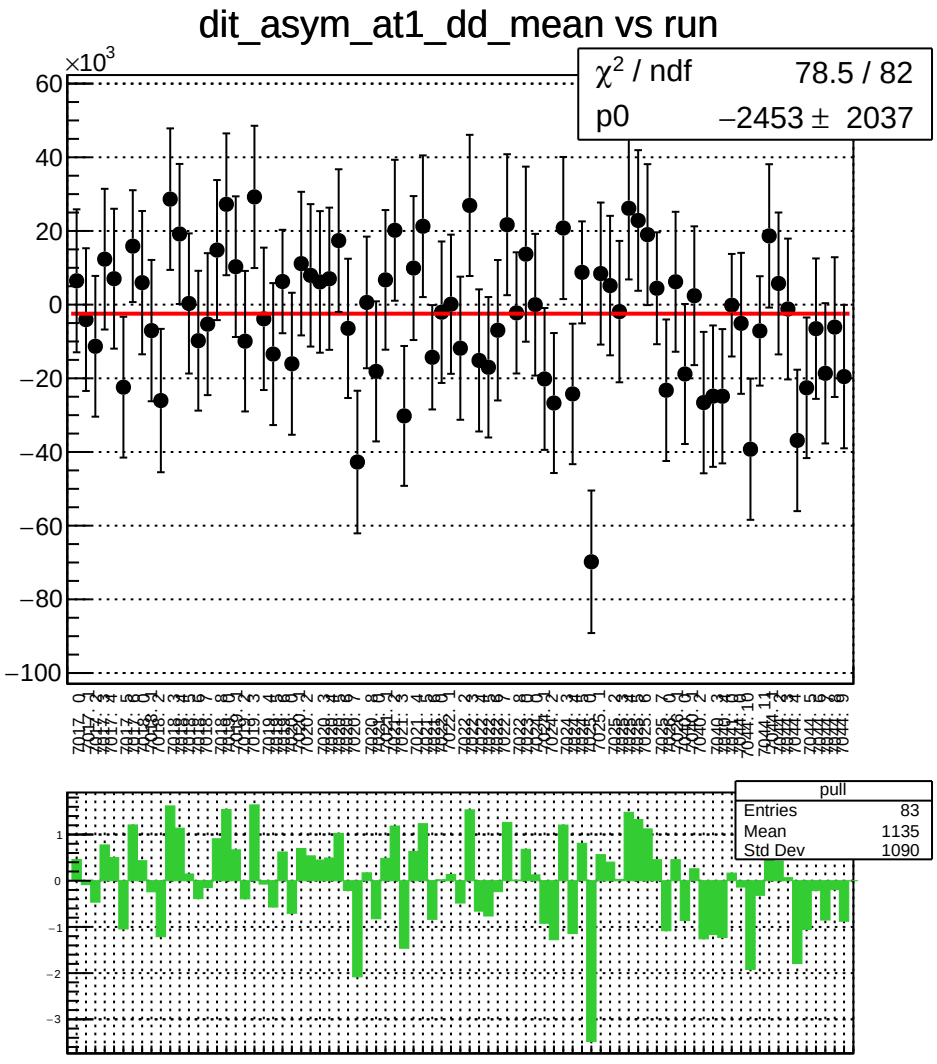

asym_at1_avg_correction_mean vs run
χ² / ndf 79.47 / 82
p0 −1391 ± 769.4
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −1793
Std Dev 1820
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.001291
Std Dev 0.9785
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

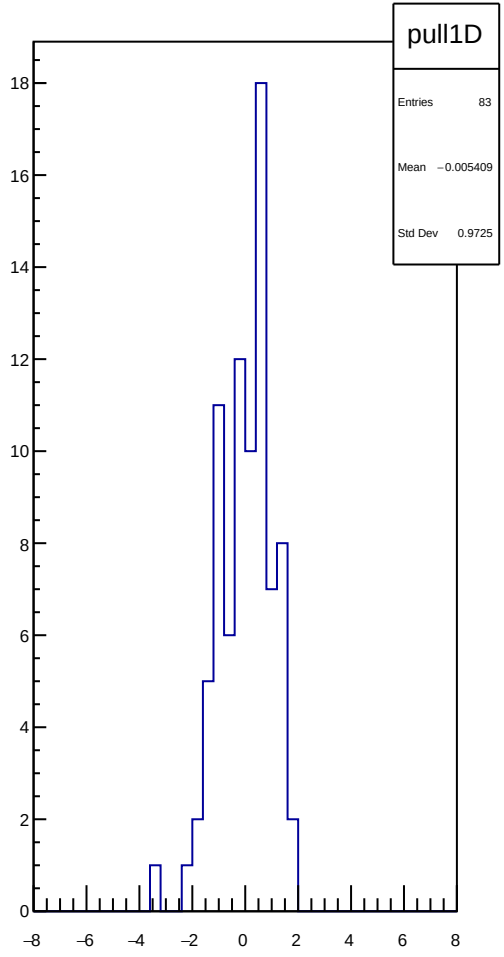
asym_at1_avg_correction_rms vs run

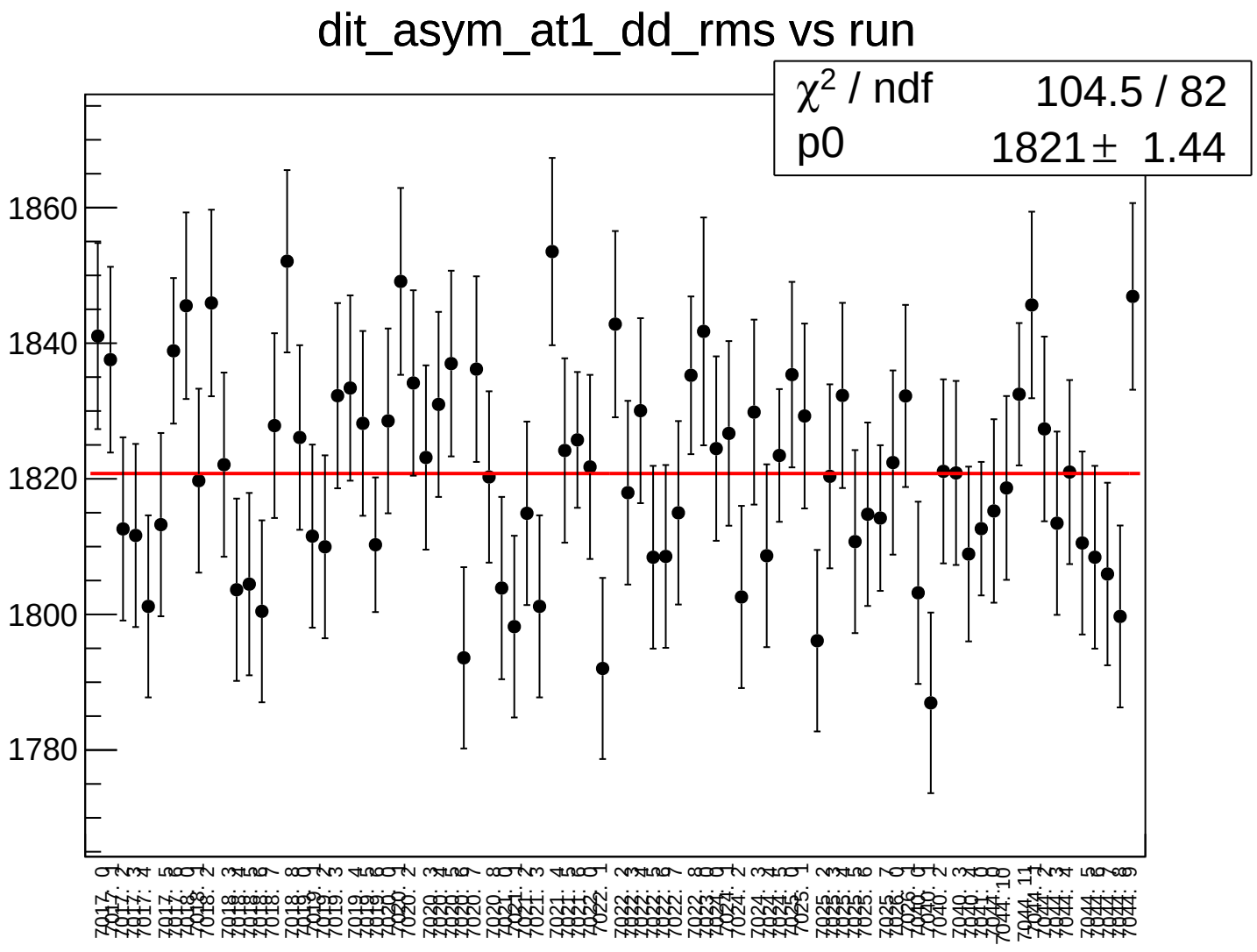


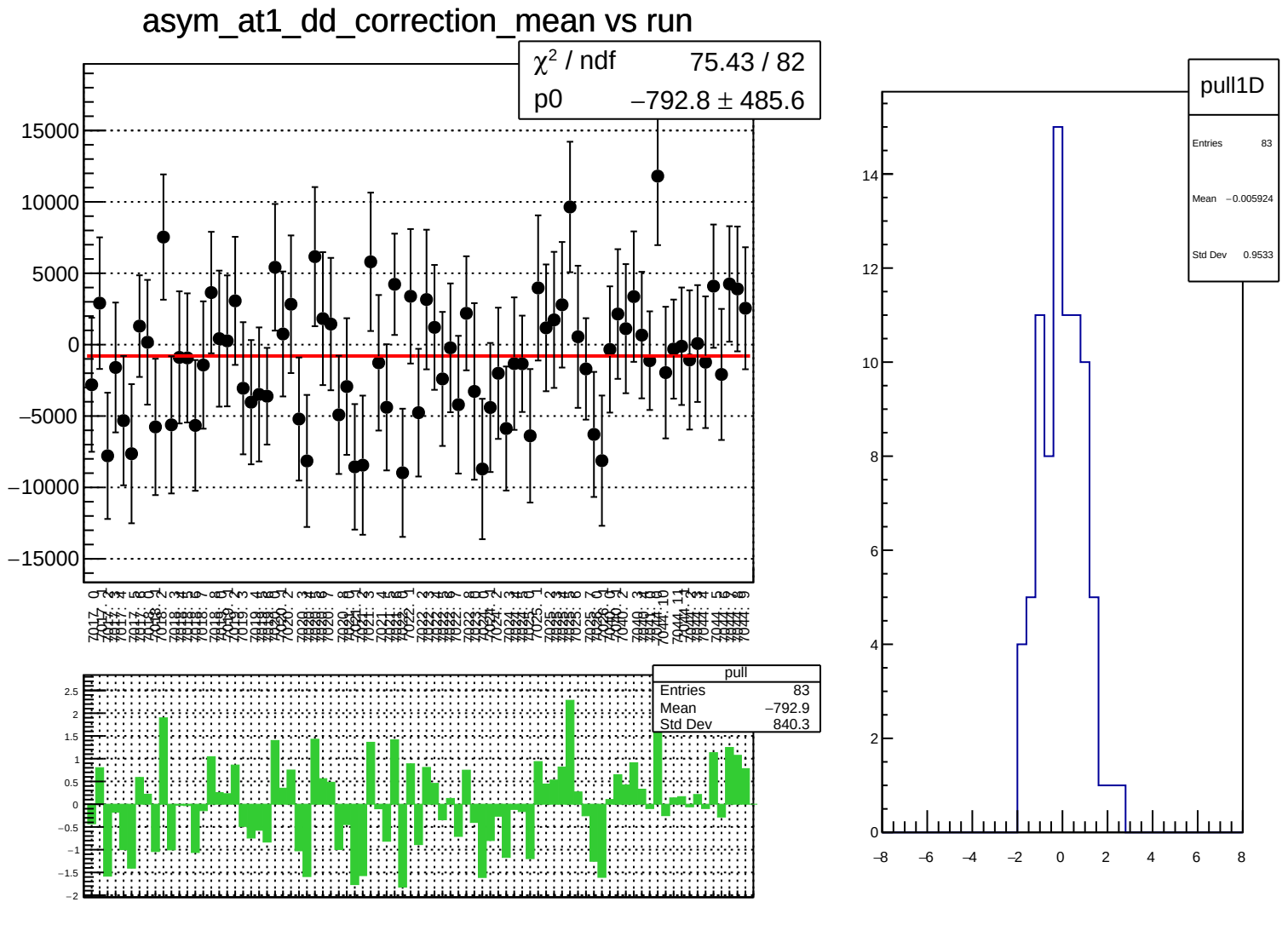

asym_at1_avg_mean vs run
χ² / ndf 82.4 / 82
p0 1216 ± 2191
pull
Entries 83
Mean −320.2
Std Dev 364.6
pull1D
Entries 83
Mean −0.006145
Std Dev 0.9964


asym_at1_avg_rms vs run
χ² / ndf 657.7 / 82
p0 1959 ± 1.549
2050
2000
1950
1900
1850

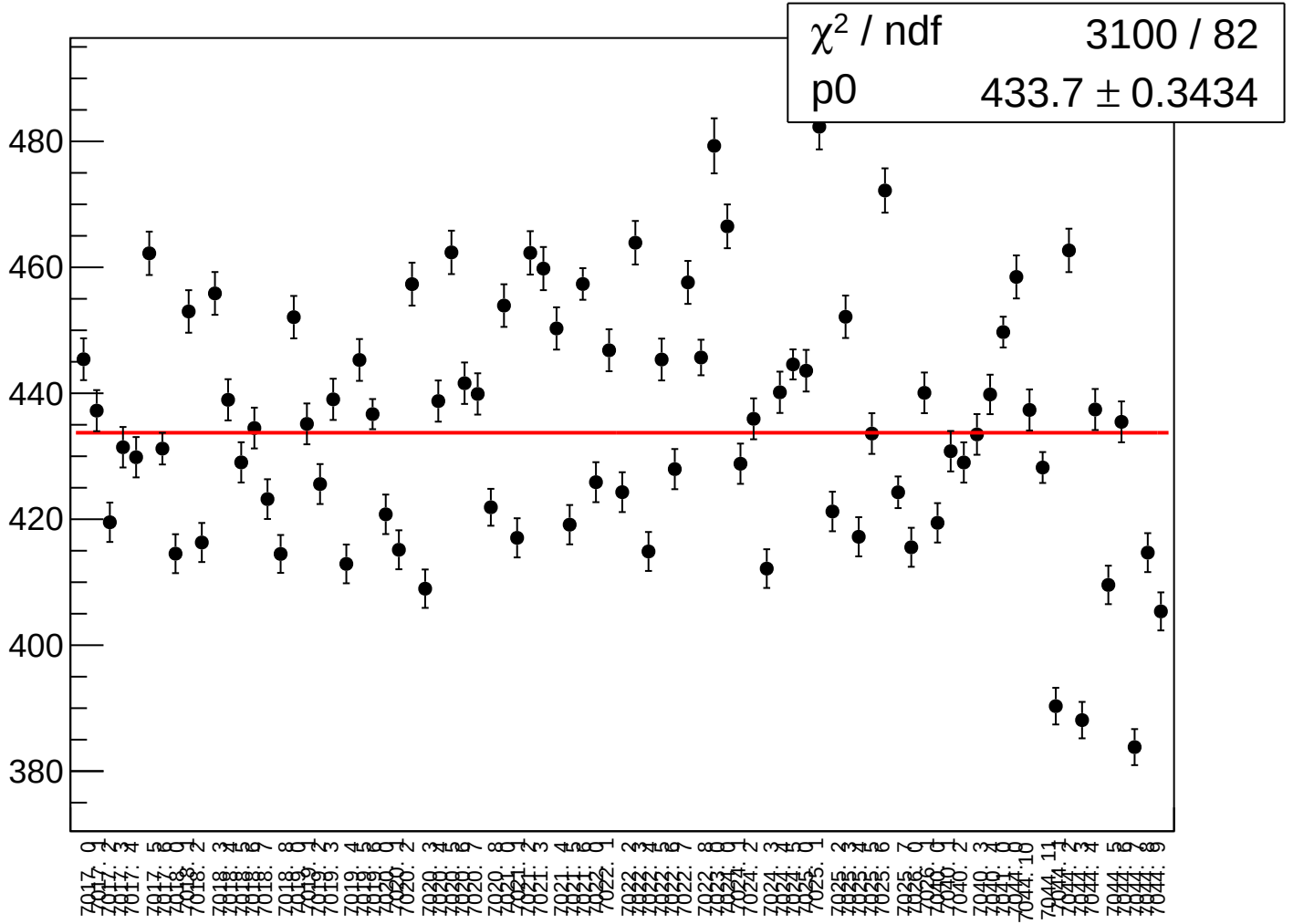

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 78.5 / 82
p0 −2453 ± 2037
pull
Entries 83
Mean 1135
Std Dev 1090

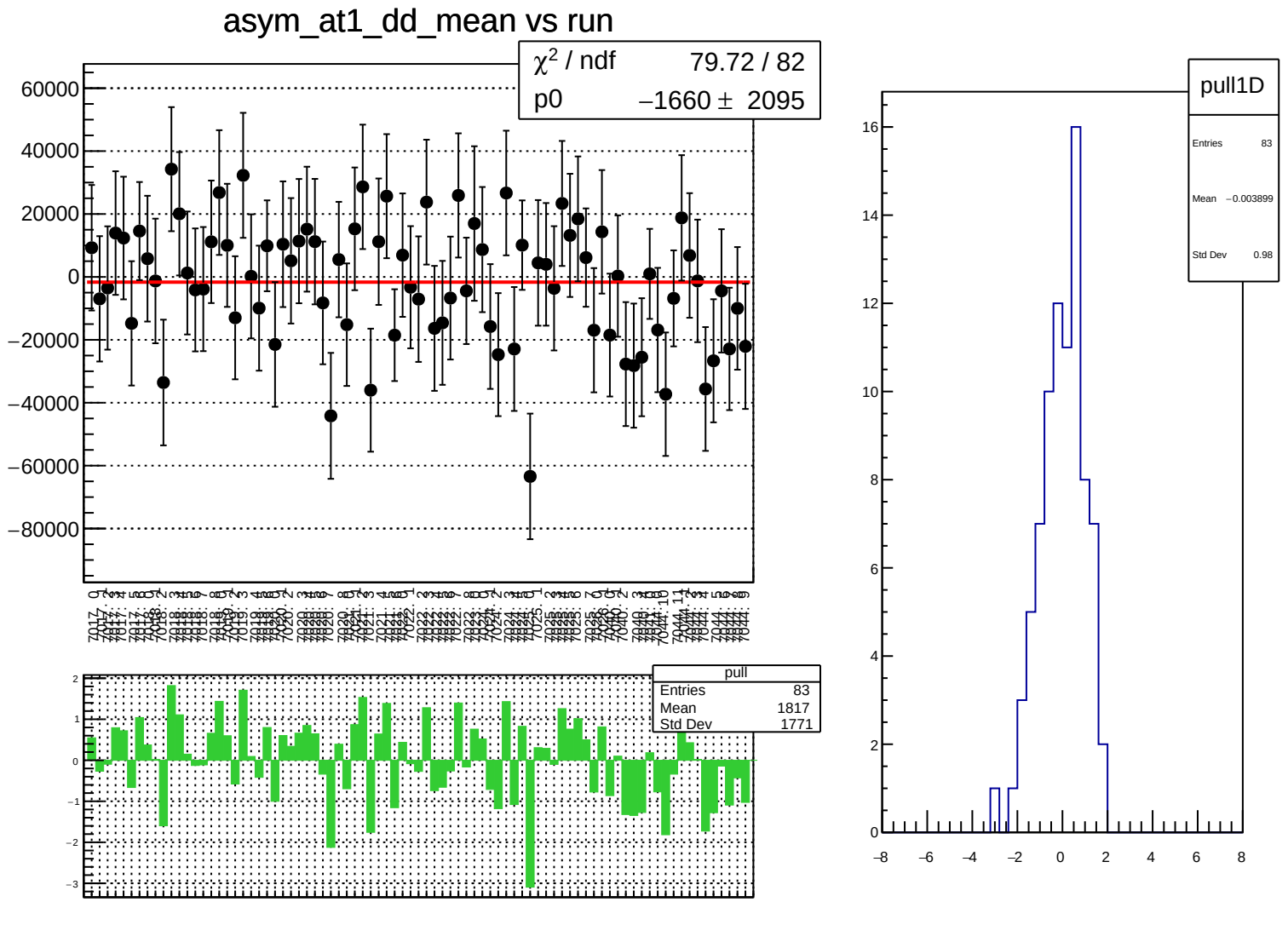

pull1D
Entries 83
Mean −0.005409
Std Dev 0.9725

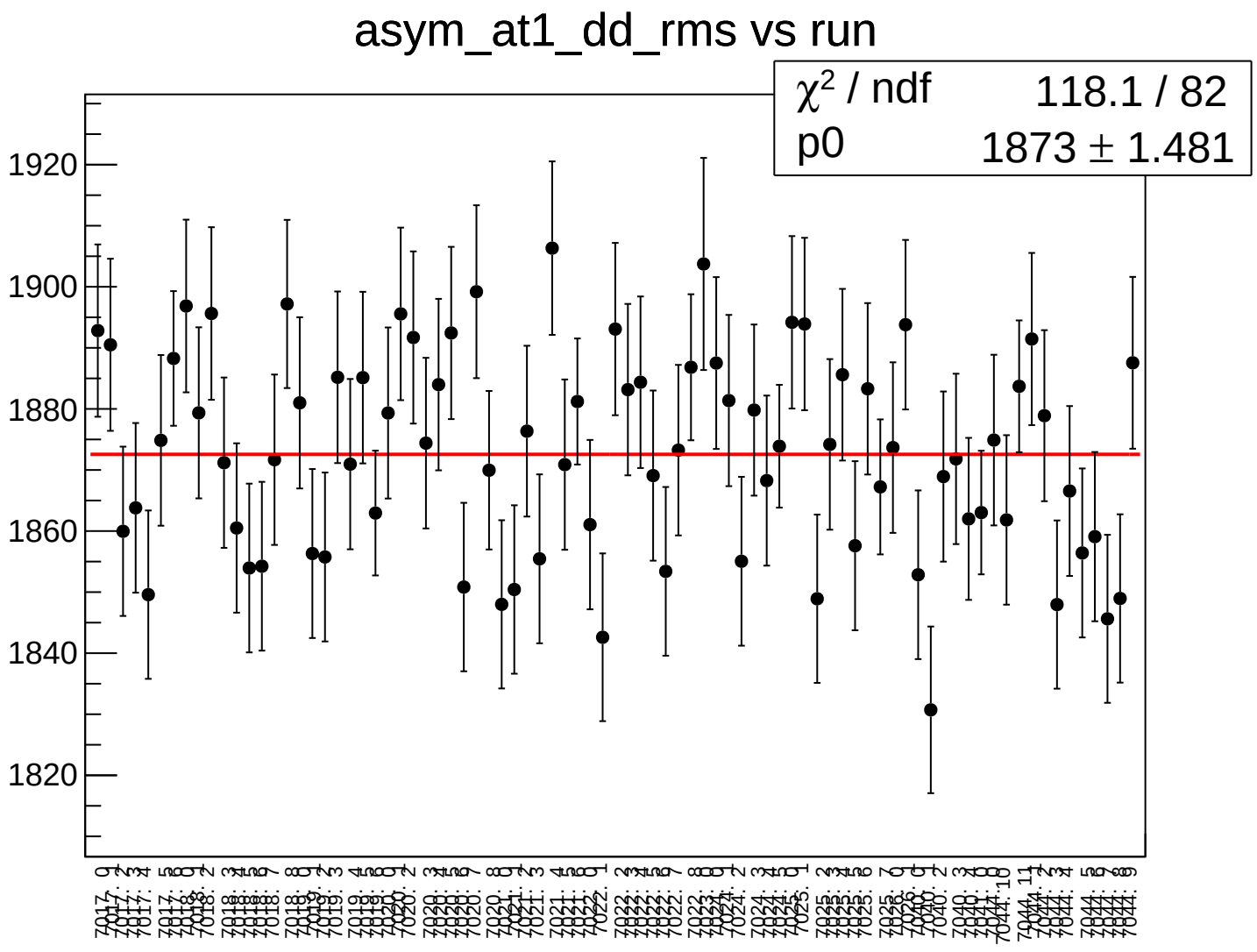

dit_asym_at1_dd_rms vs run
χ2 / ndf 104.5 / 82
p0 1821 ± 1.44
1860
1840
1820
1800
1780

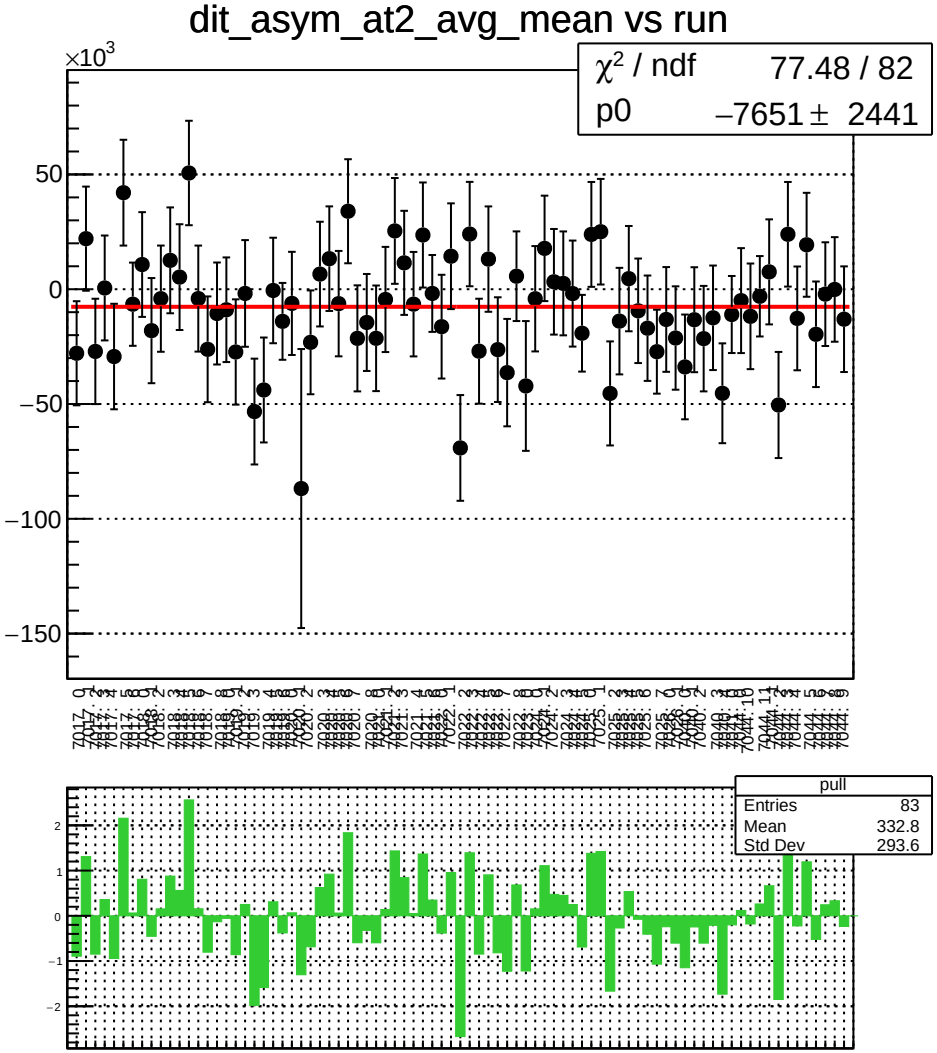

asym_at1_dd_correction_mean vs run
χ² / ndf 75.43 / 82
p0 −792.8 ± 485.6
pull
Entries 83
Mean −792.9
Std Dev 840.3
pull1D
Entries 83
Mean −0.005924
Std Dev 0.9533

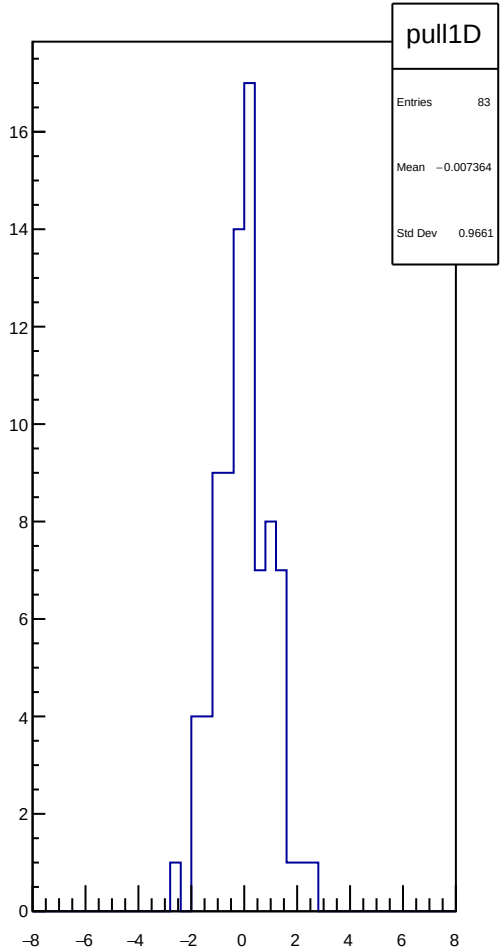
asym_at1_dd_correction_rms vs run



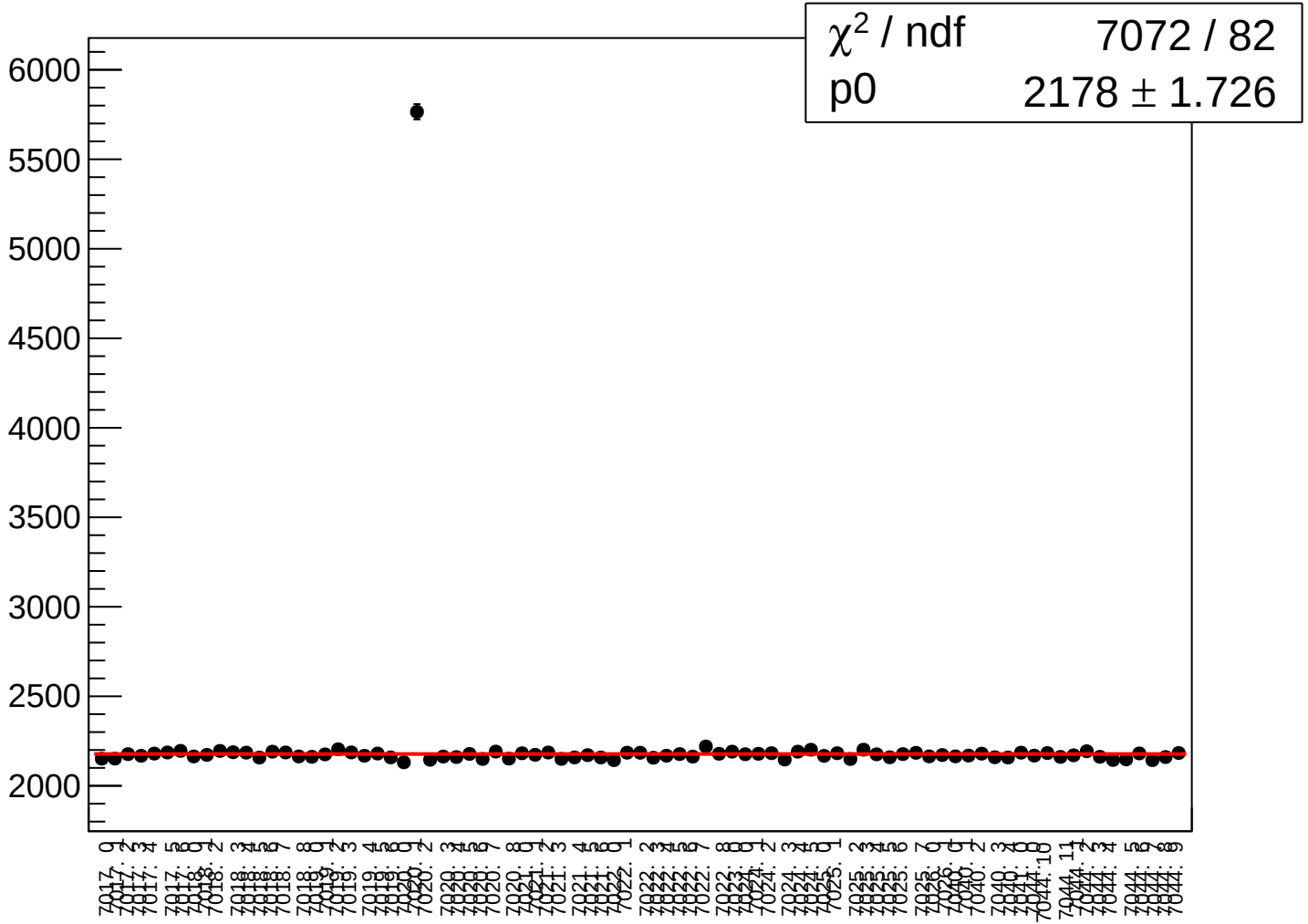

asym_at1_dd_mean vs run
χ² / ndf 79.72 / 82
p0 −1660 ± 2095
pull
Entries 83
Mean 1817
Std Dev 1771
pull1D
Entries 83
Mean −0.003899
Std Dev 0.98

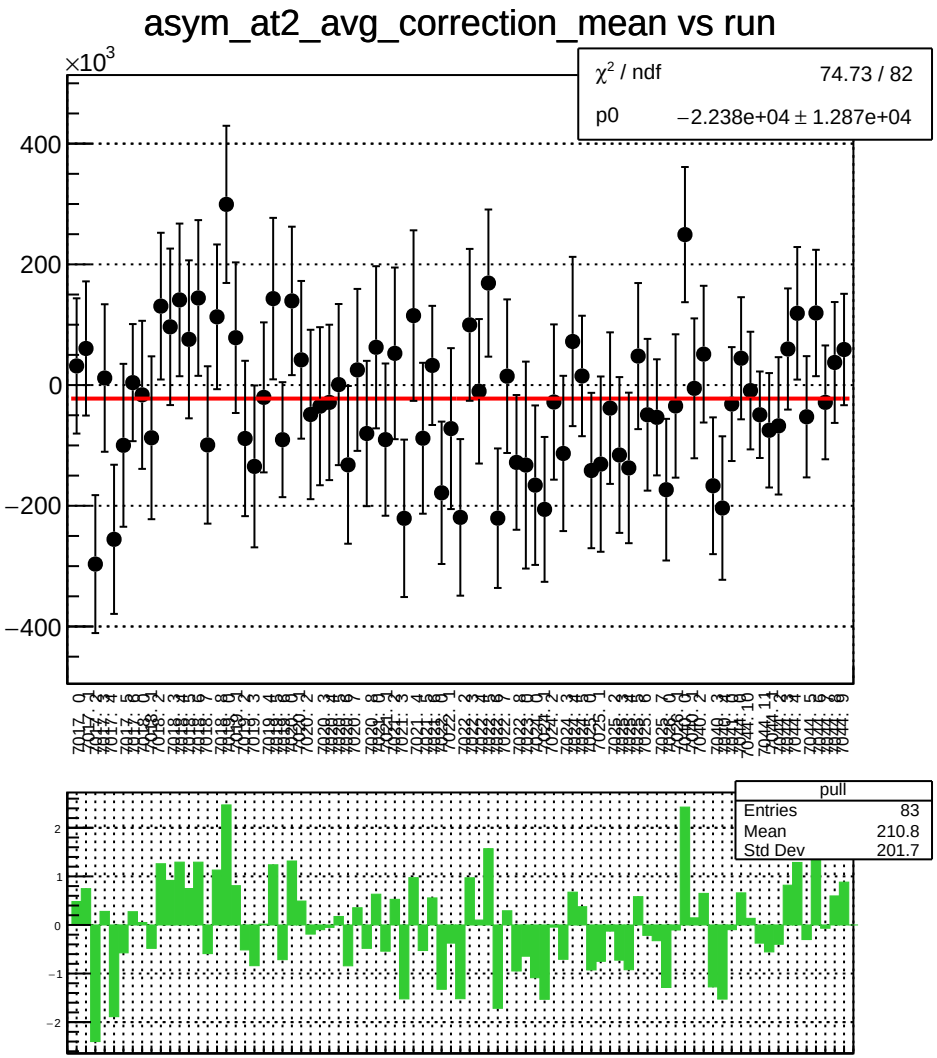

asym_at1_dd_rms vs run
χ² / ndf 118.1 / 82
p0 1873 ± 1.481
1920
1900
1880
1860
1840
1820

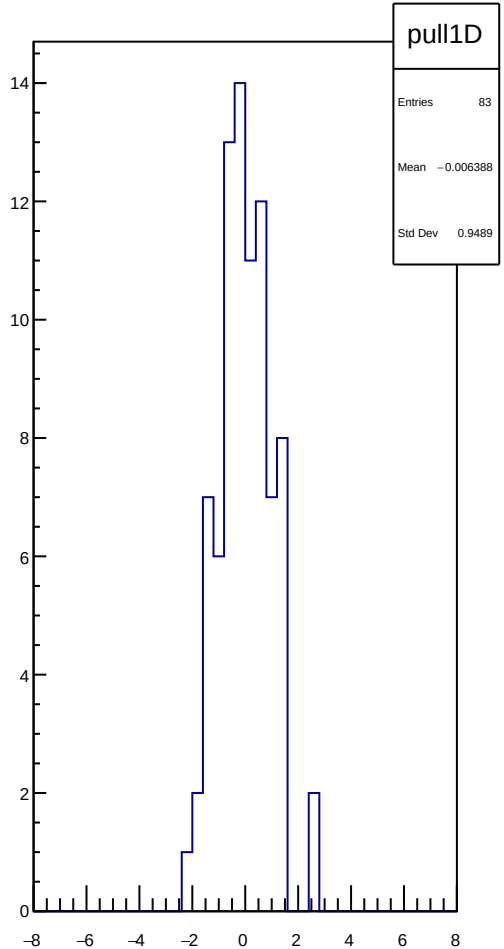

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 77.48 / 82
p0 −7651 ± 2441
50
0
−50
−100
−150
pull
Entries 83
Mean 332.8
Std Dev 293.6
2
1
0
−1
−2

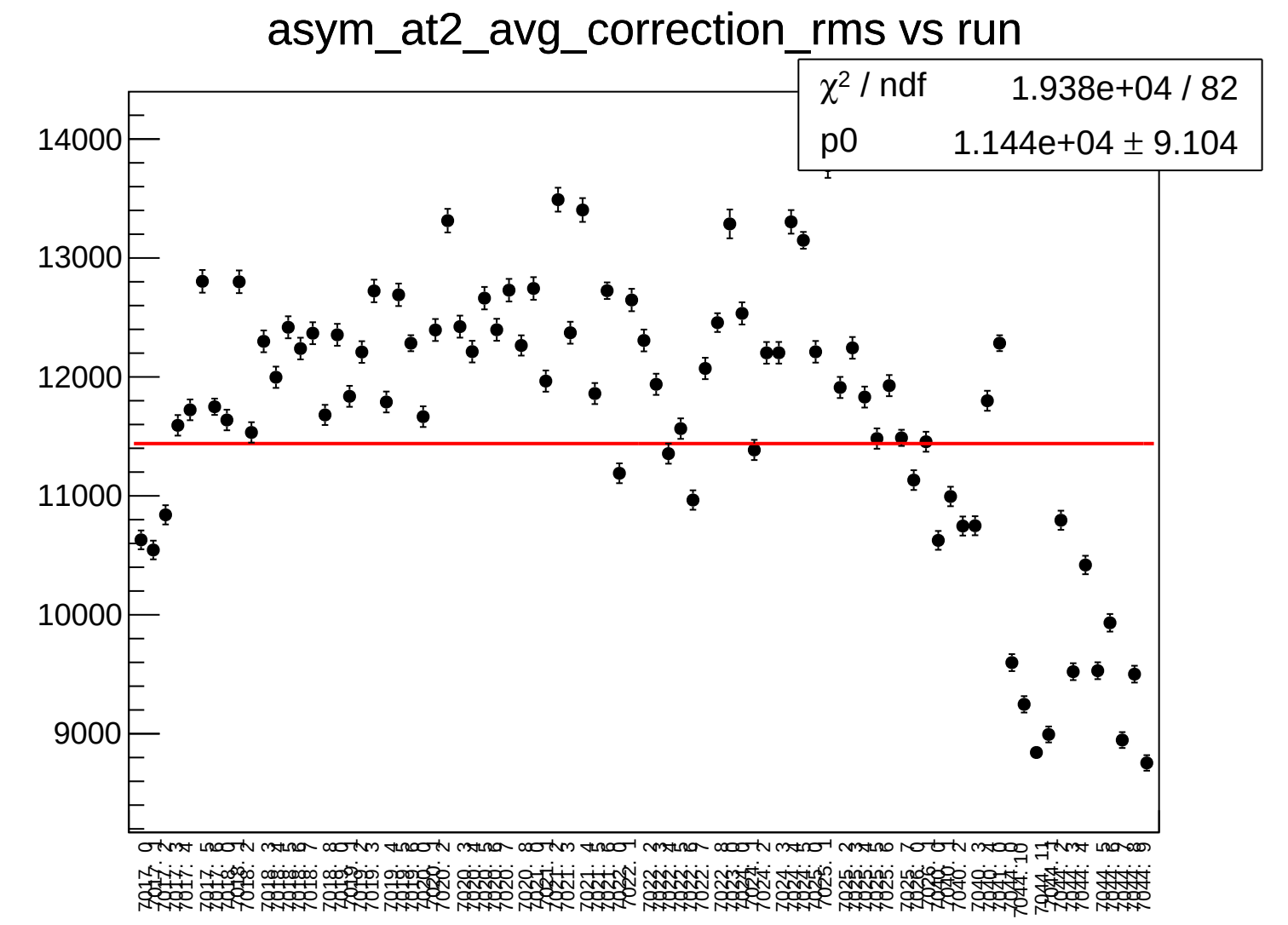

pull1D
Entries 83
Mean −0.007364
Std Dev 0.9661
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

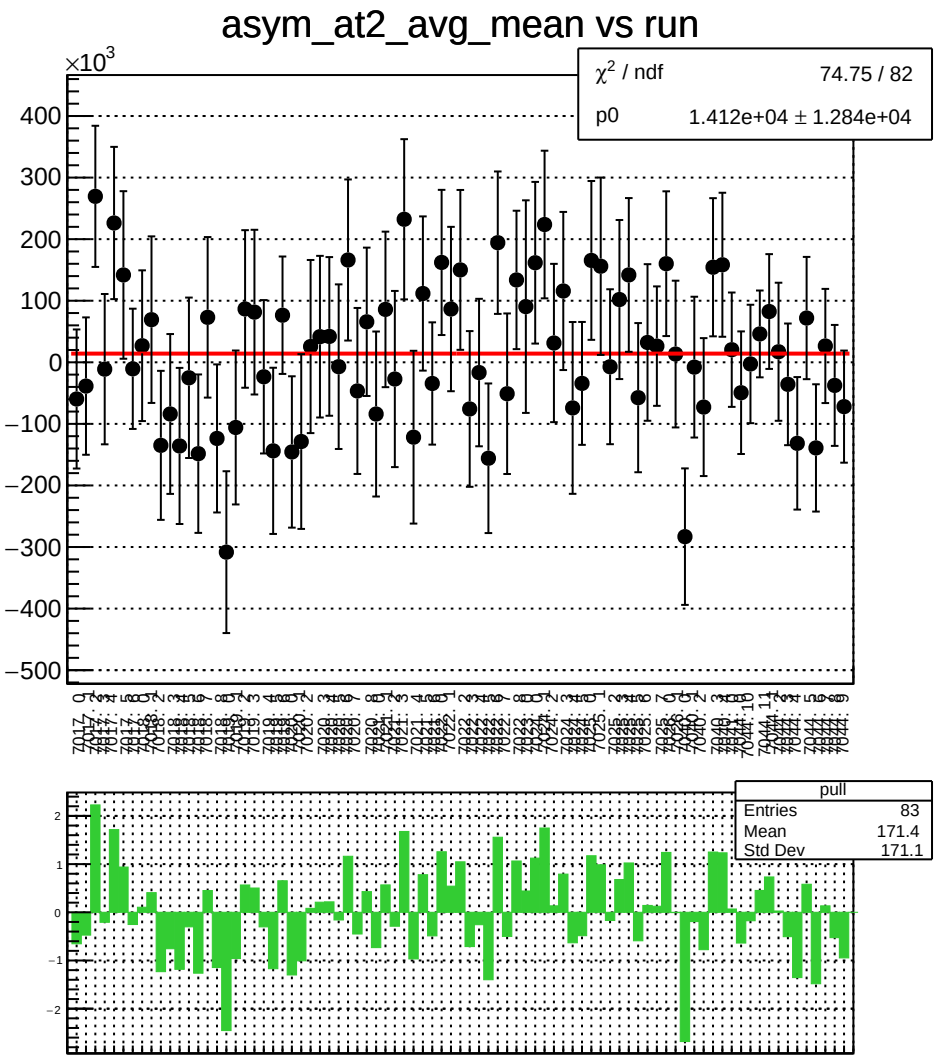
dit_asym_at2_avg_rms vs run

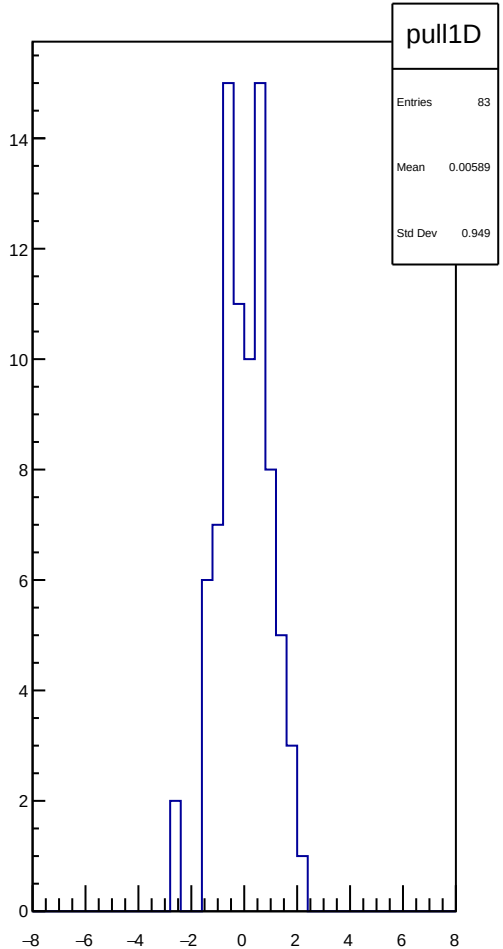


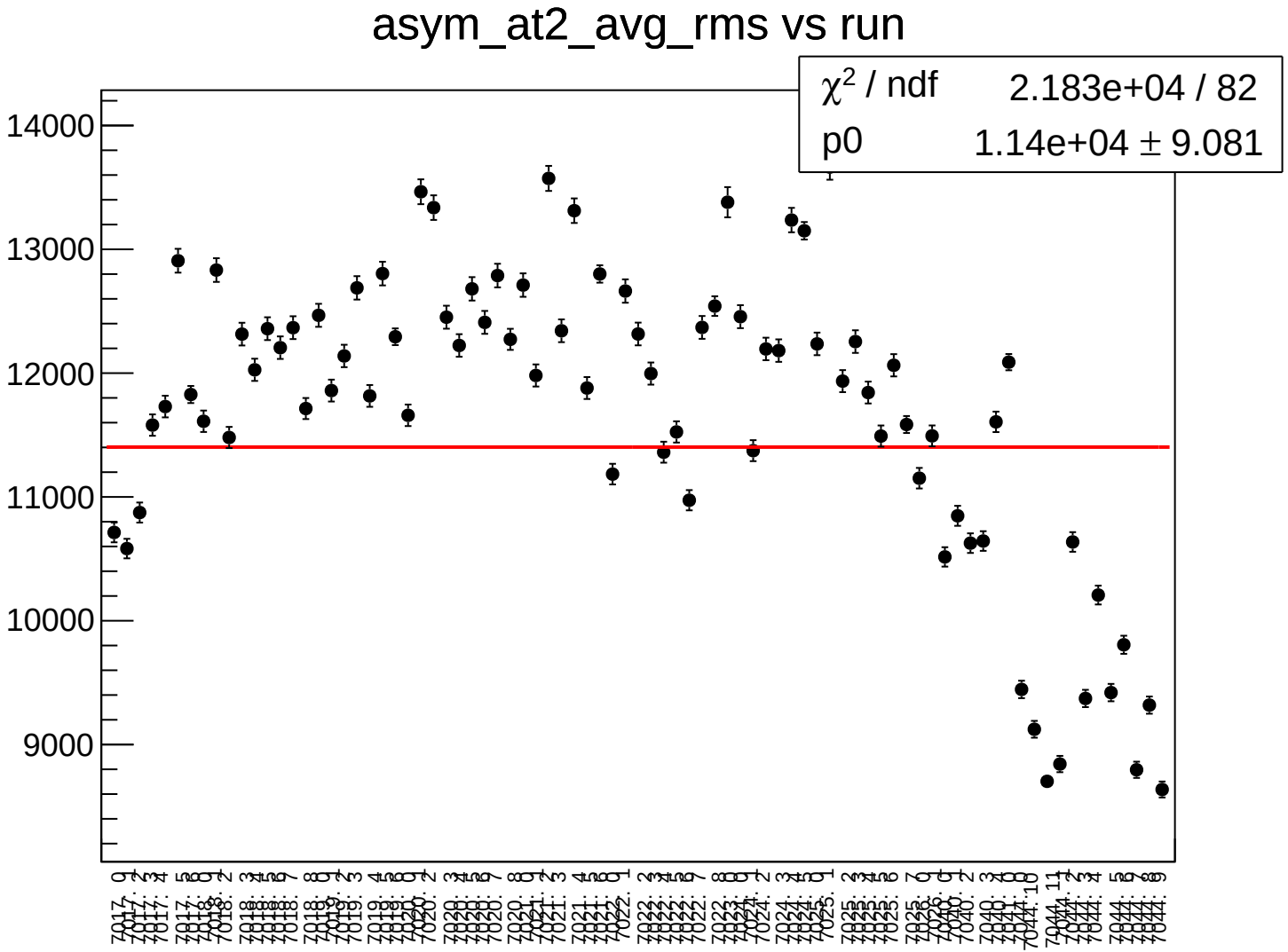

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 74.73 / 82
p0 −2.238e+04 ± 1.287e+04
pull
Entries 83
Mean 210.8
Std Dev 201.7

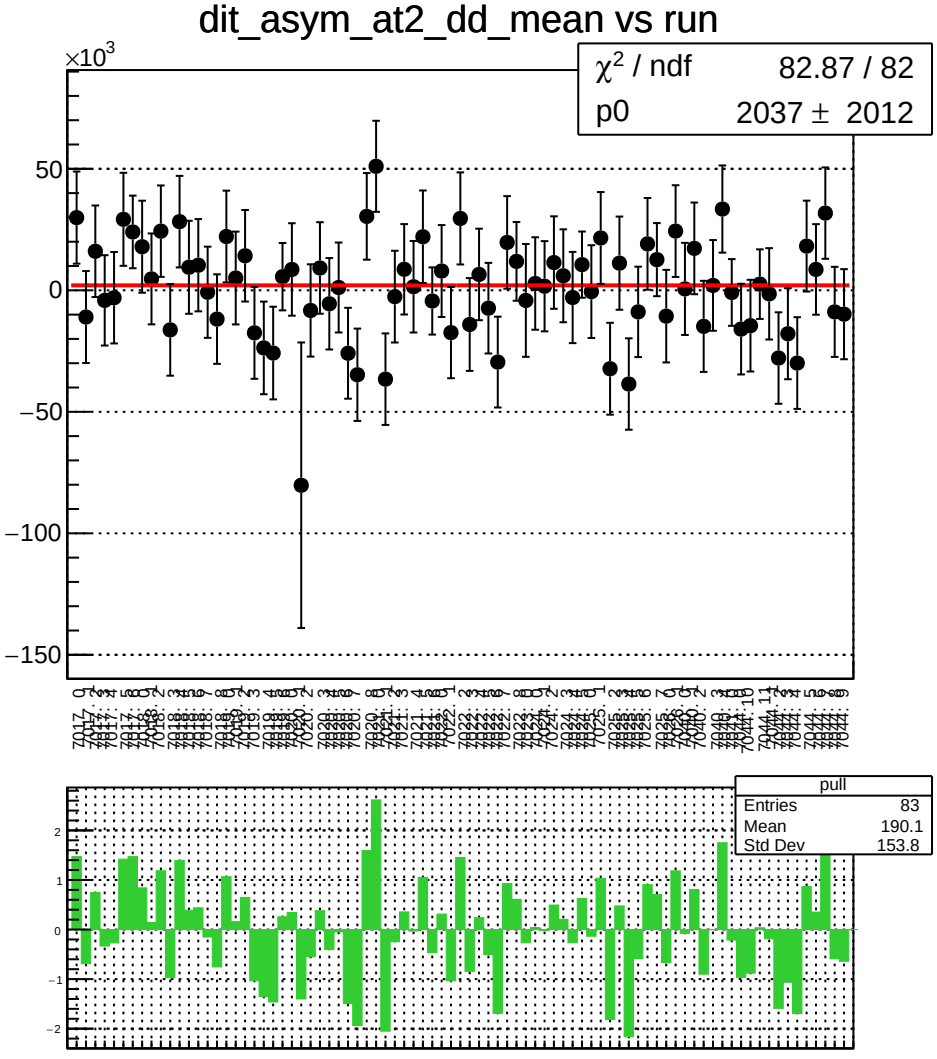

pull1D
Entries 83
Mean −0.006388
Std Dev 0.9489

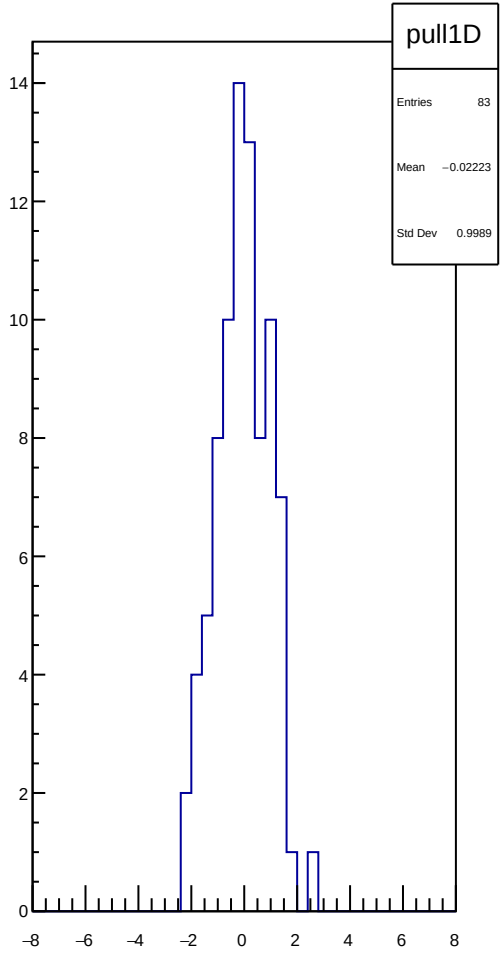

asym_at2_avg_correction_rms vs run
χ2 / ndf 1.938e+04 / 82
p0 1.144e+04 ± 9.104
14000
13000
12000
11000
10000
9000

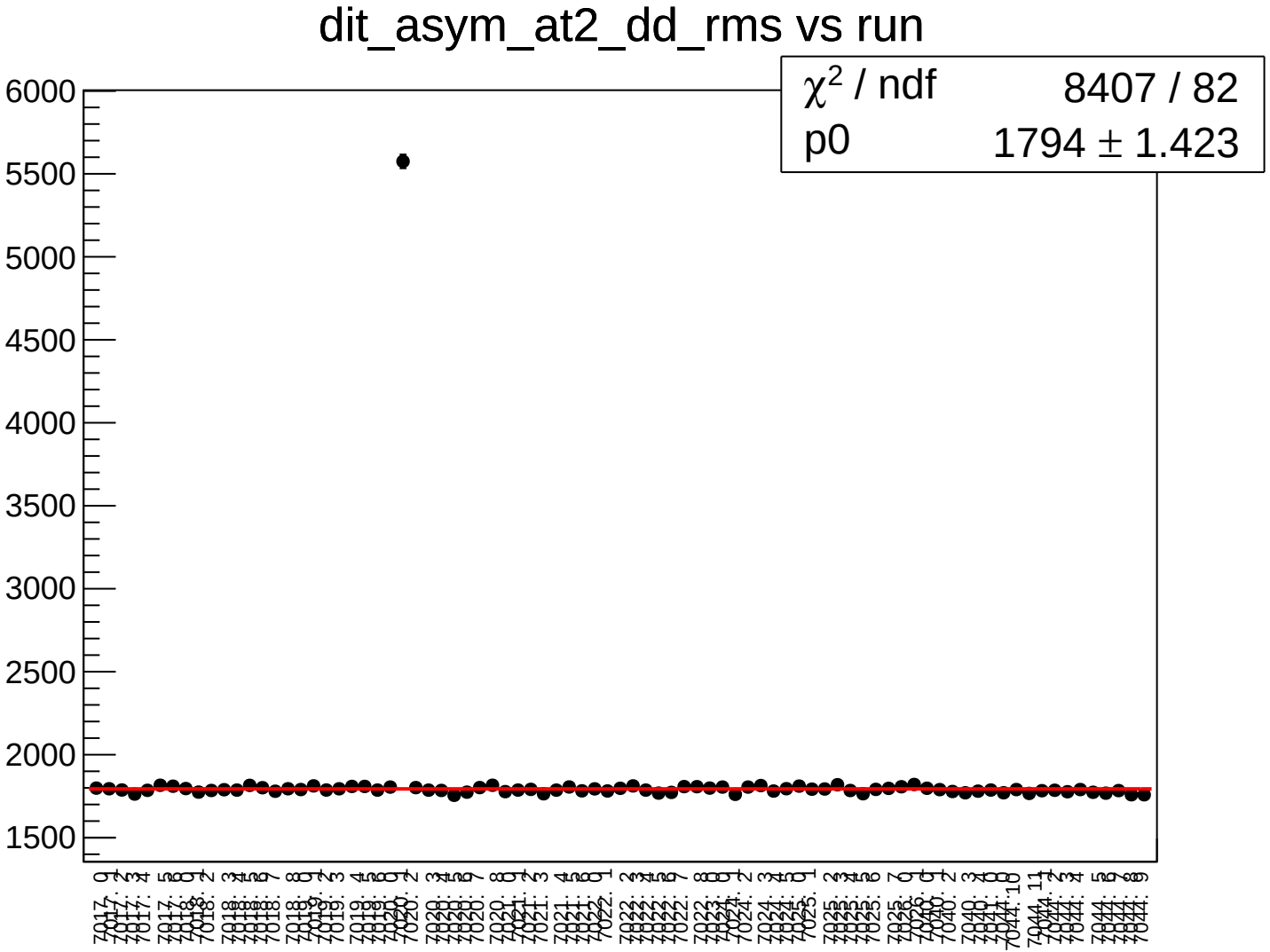

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 74.75 / 82
p0 1.412e+04 ± 1.284e+04
pull
Entries 83
Mean 171.4
Std Dev 171.1

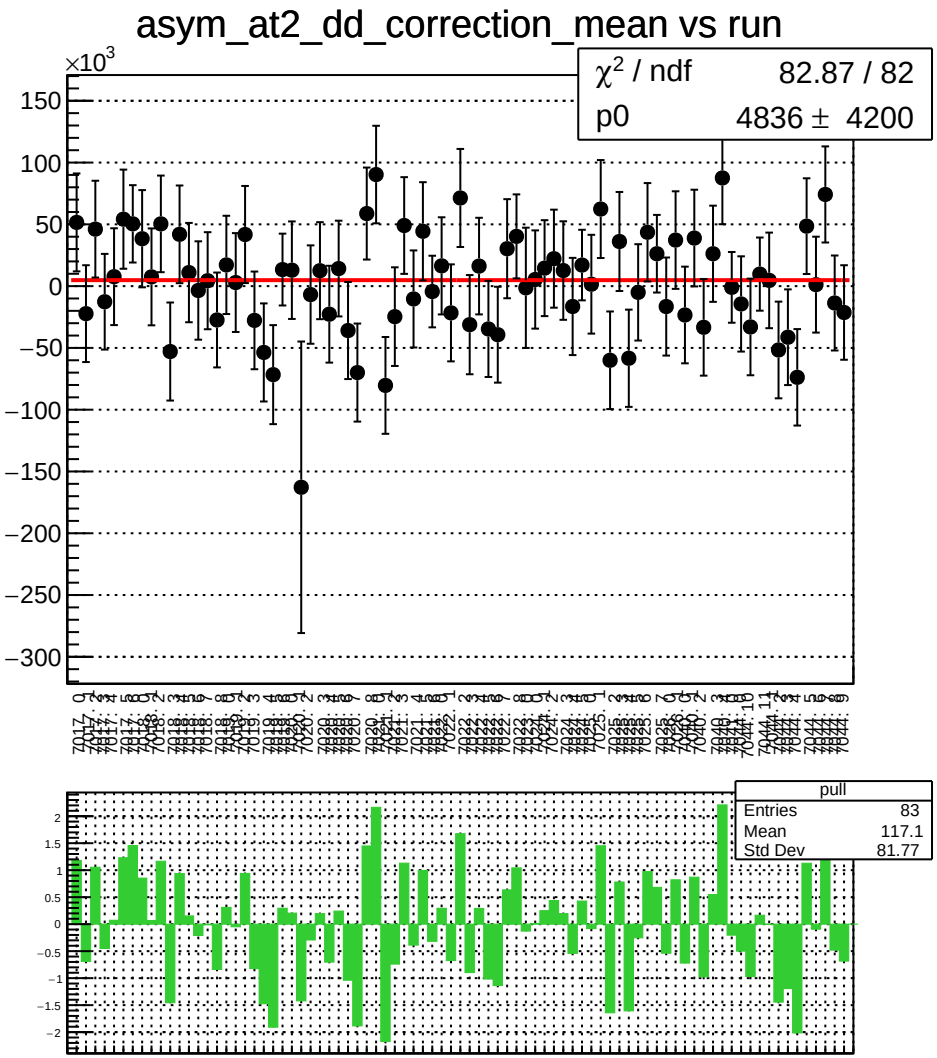

pull1D
Entries 83
Mean 0.00589
Std Dev 0.949

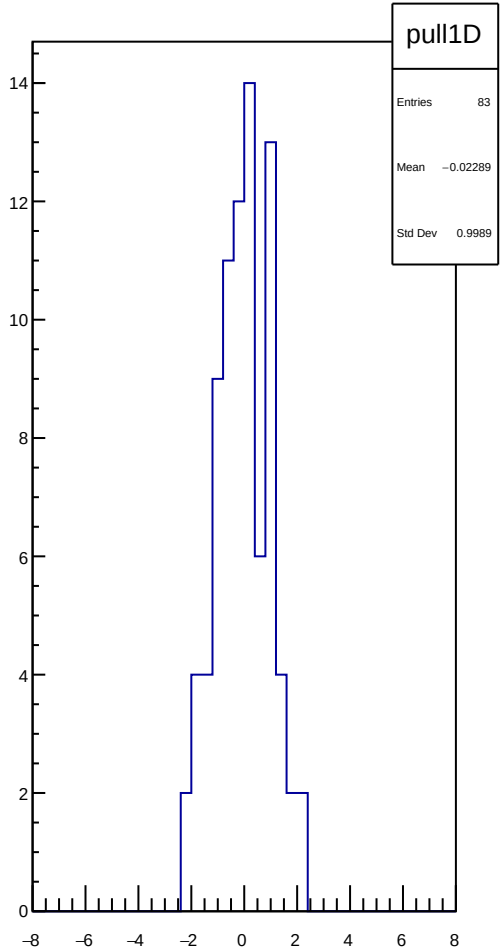

asym_at2_avg_rms vs run
χ^2 / ndf 2.183e+04 / 82
p0 1.14e+04 ± 9.081
14000
13000
12000
11000
10000
9000

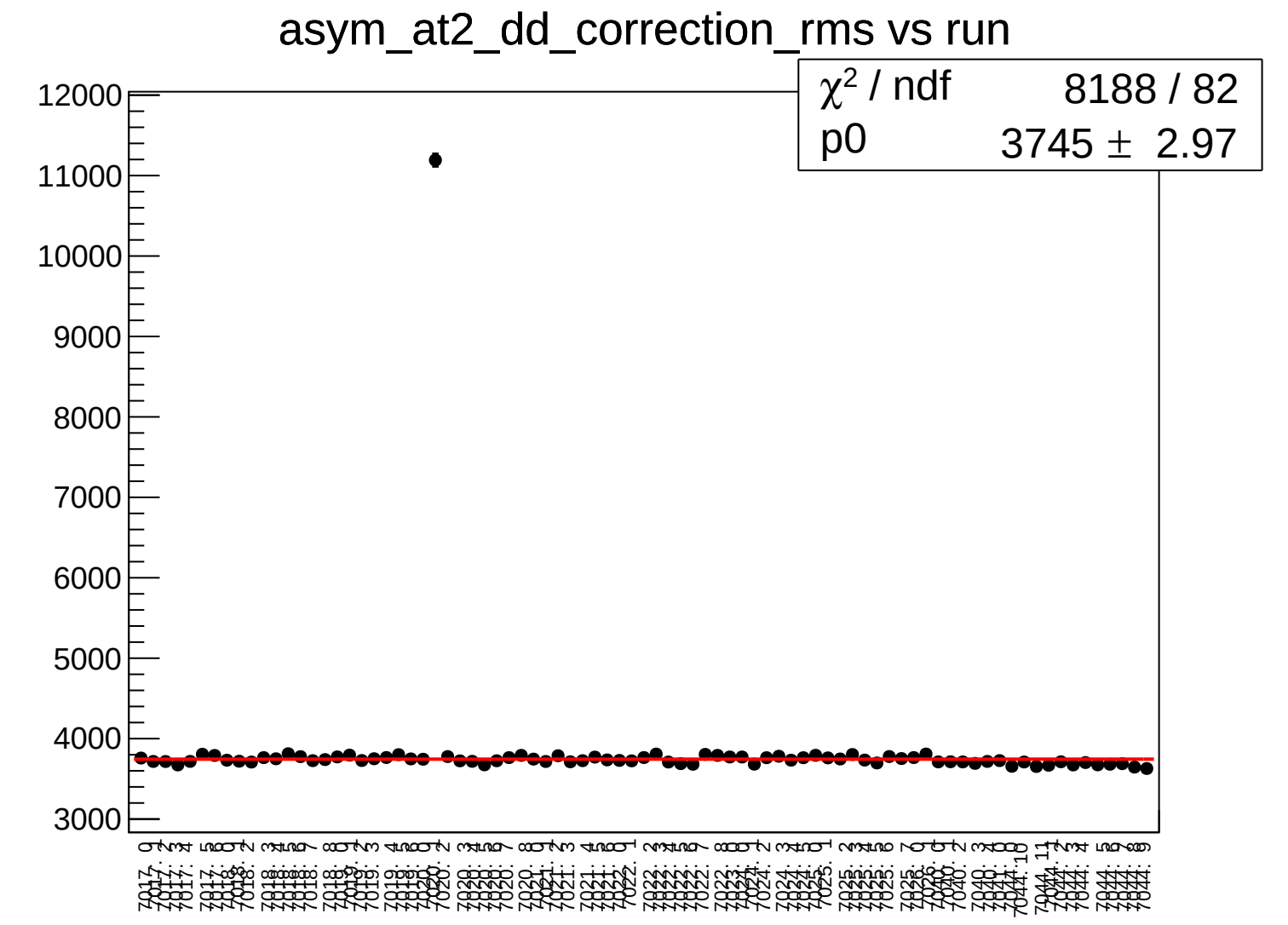

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 82.87 / 82
p0 2037 ± 2012
50
0
−50
−100
−150
pull
Entries 83
Mean 190.1
Std Dev 153.8
2
1
0
−1
−2

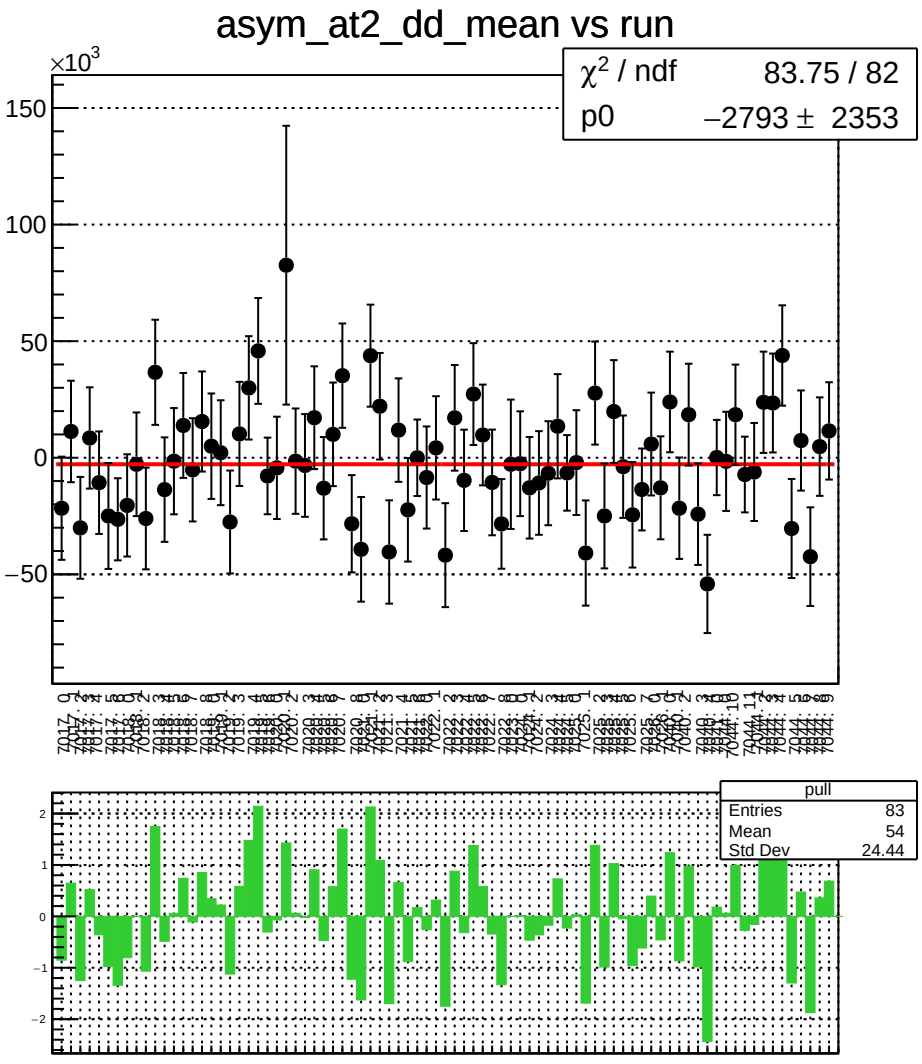

pull1D
Entries 83
Mean −0.02223
Std Dev 0.9989
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

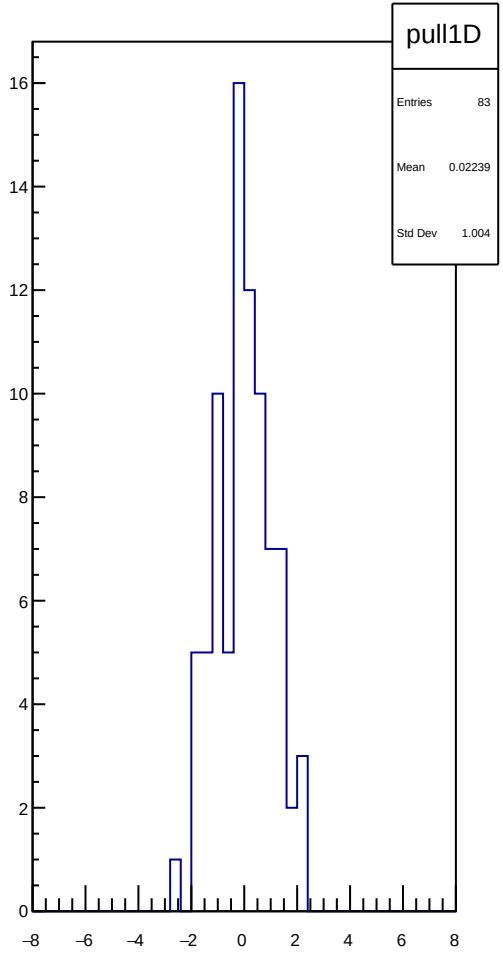

dit_asym_at2_dd_rms vs run
χ2 / ndf 8407 / 82
p0 1794 ± 1.423
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 82.87 / 82
p0 4836 ± 4200
pull
Entries 83
Mean 117.1
Std Dev 81.77

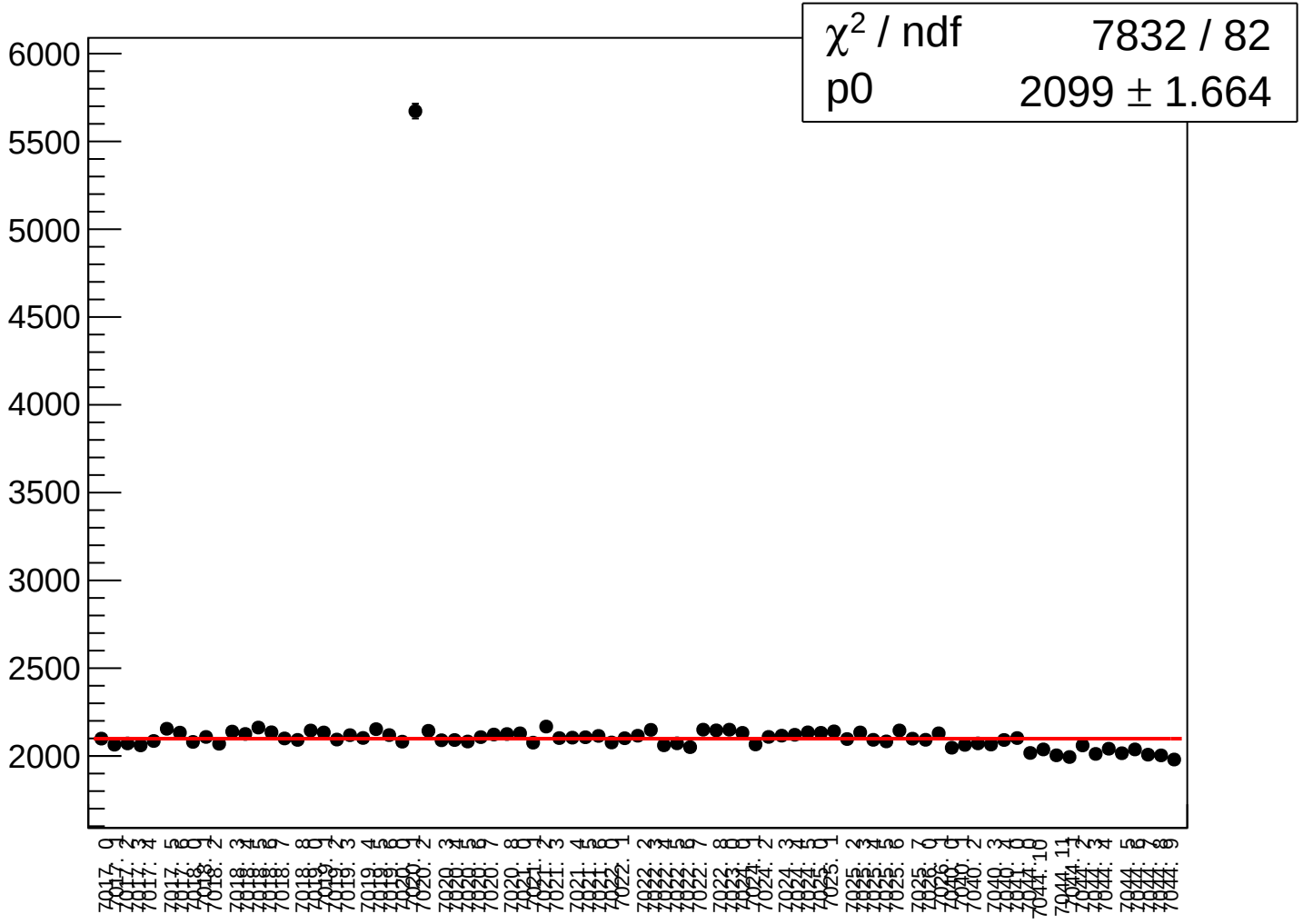

pull1D
Entries 83
Mean −0.02289
Std Dev 0.9989

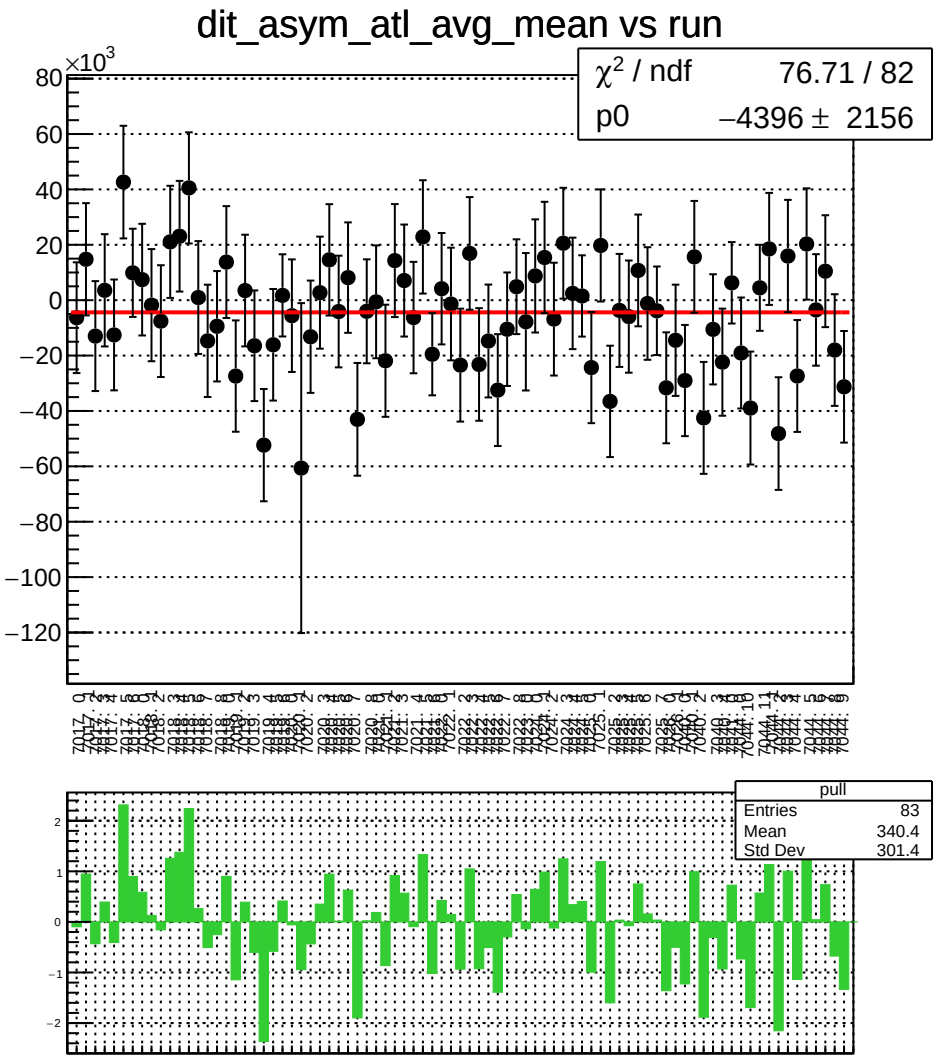

asym_at2_dd_correction_rms vs run
χ2 / ndf 8188 / 82
p0 3745 ± 2.97
12000
11000
10000
9000
8000
7000
6000
5000
4000
3000

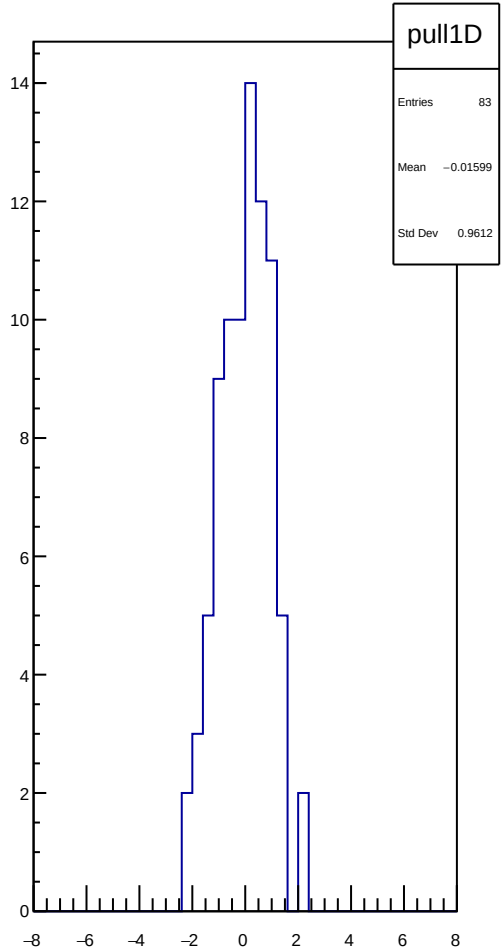

asym_at2_dd_mean vs run
×10^3
χ² / ndf 83.75 / 82
p0 −2793 ± 2353
150
100
50
0
−50
pull
Entries 83
Mean 54
Std Dev 24.44
2
1
0
−1
−2

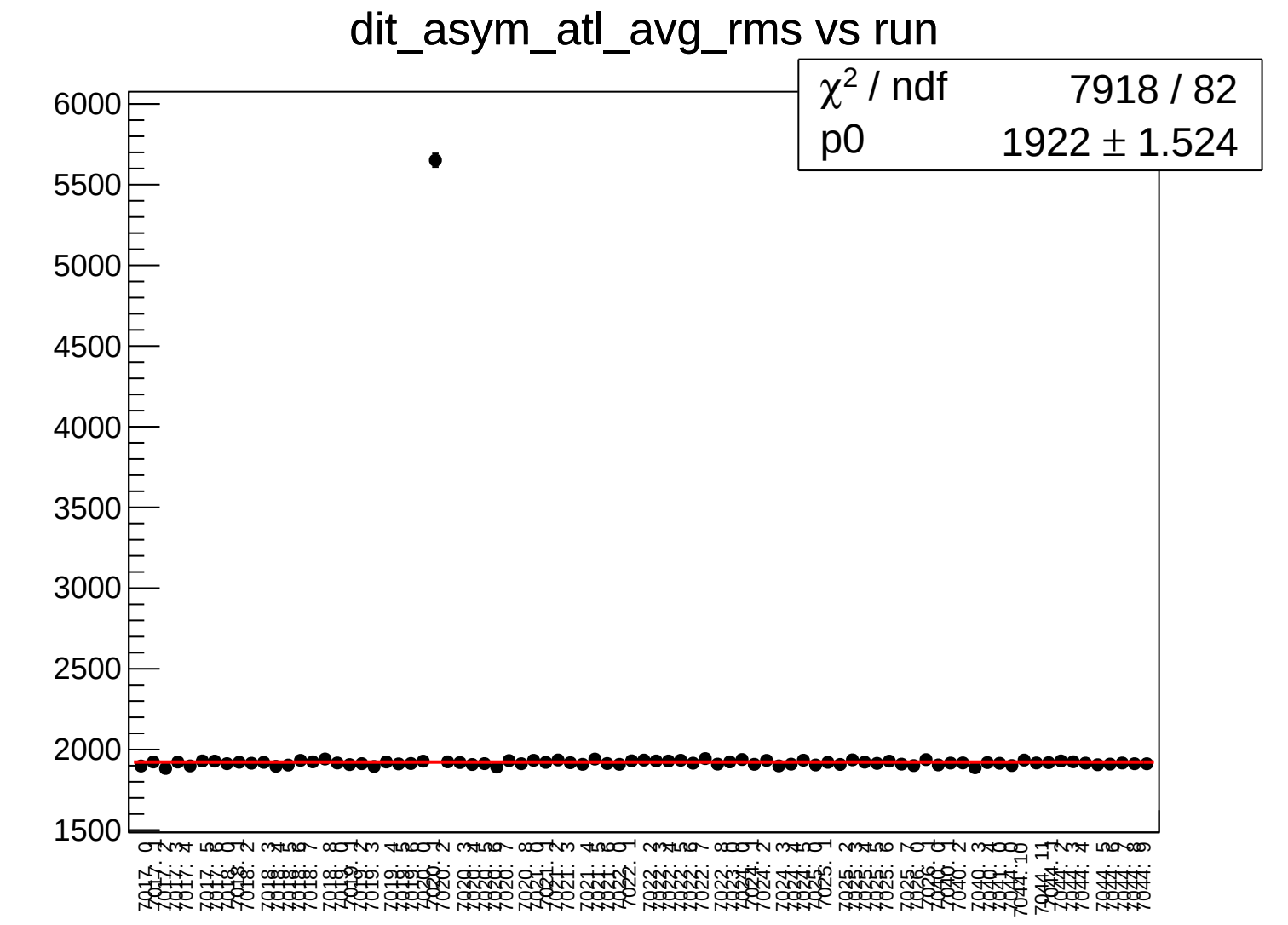

pull1D
Entries 83
Mean 0.02239
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

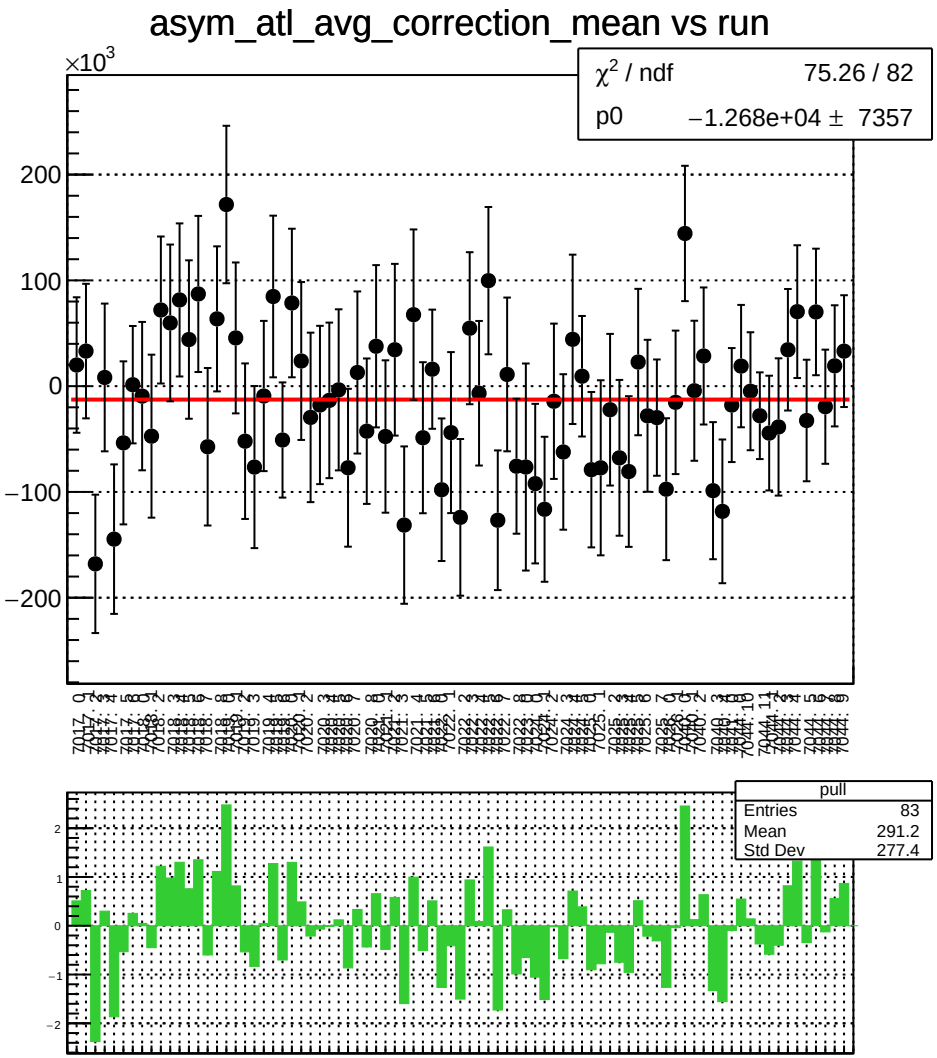
asym_at2_dd_rms vs run

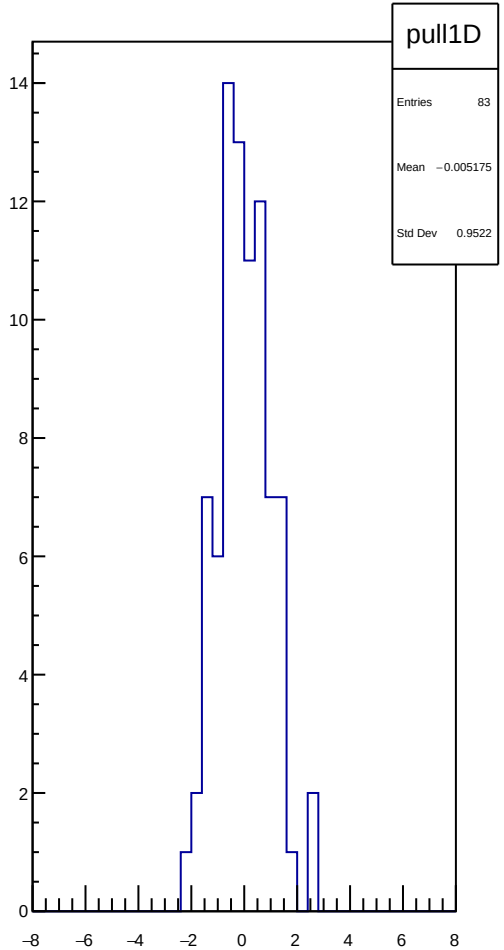


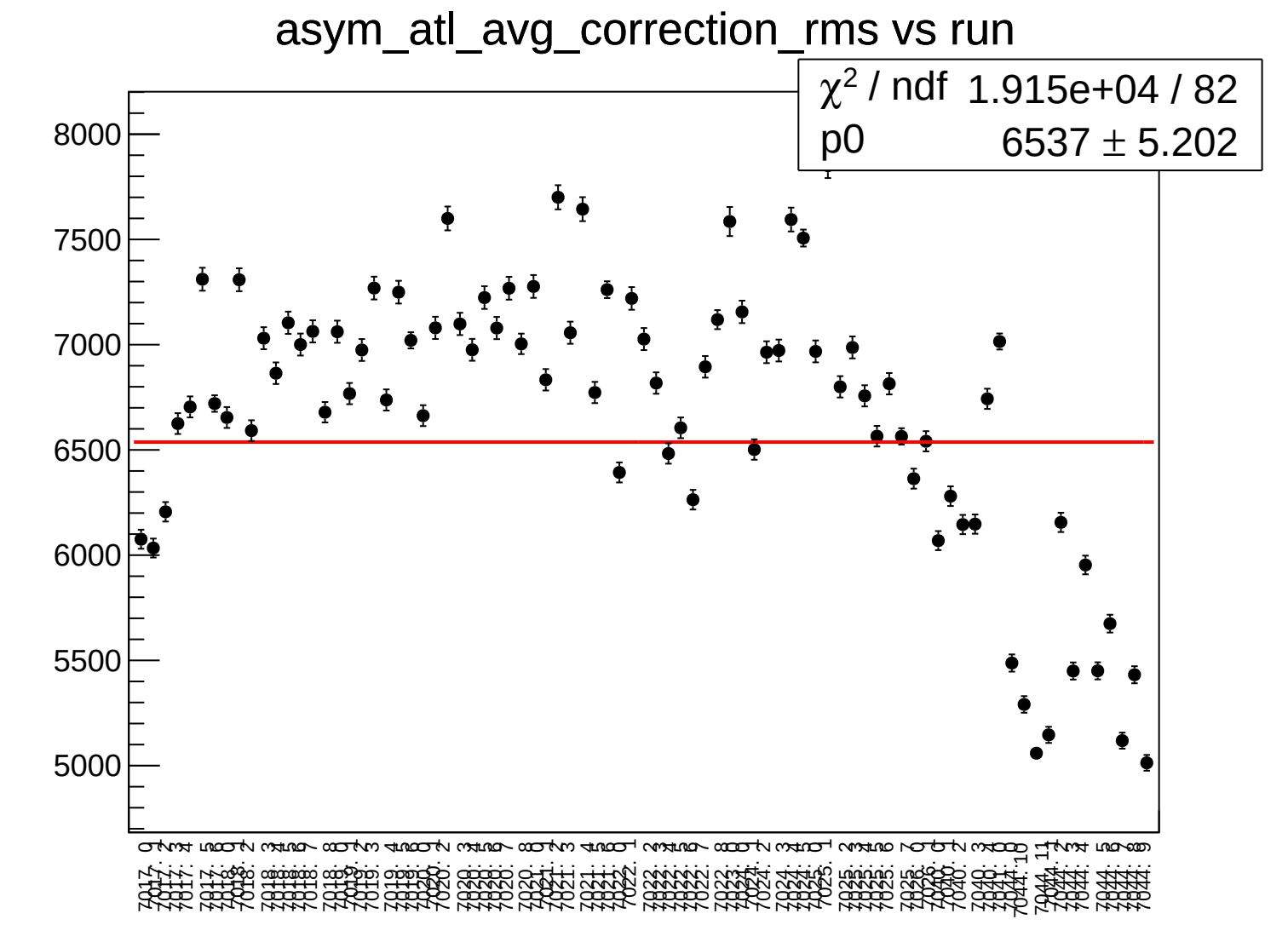

dit_asym_atl_avg_mean vs run
×10^3
80
60
40
20
0
−20
−40
−60
−80
−100
−120
χ² / ndf 76.71 / 82
p0 −4396 ± 2156
pull
Entries 83
Mean 340.4
Std Dev 301.4
2
1
0
−1
−2

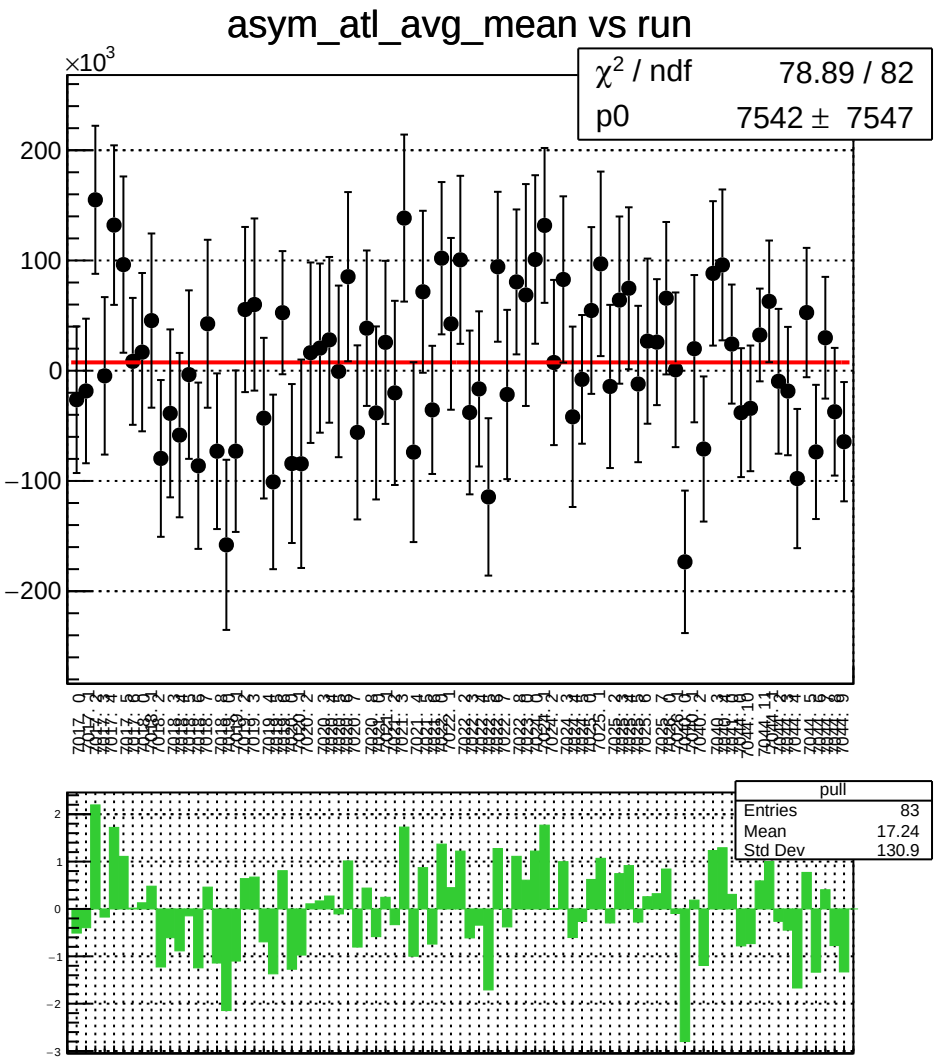

pull1D
Entries 83
Mean −0.01599
Std Dev 0.9612
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

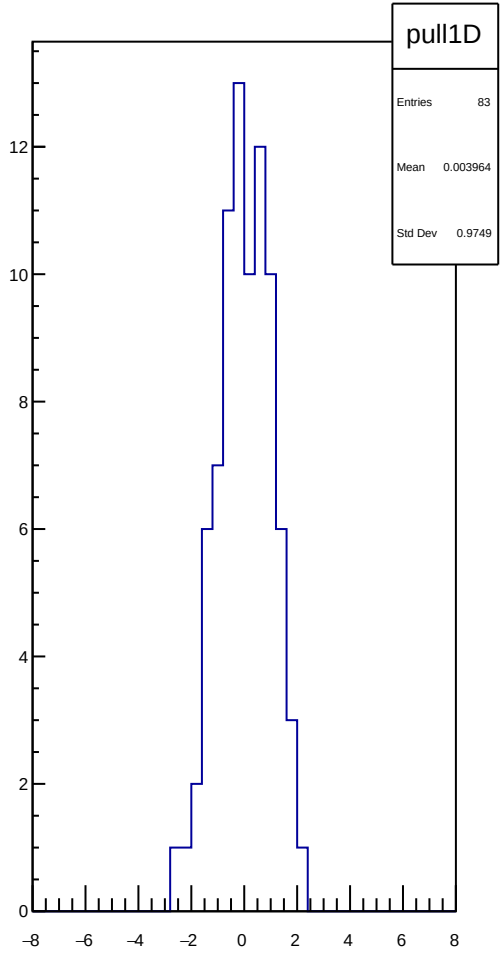

dit_asym_atl_avg_rms vs run
χ2 / ndf 7918 / 82
p0 1922 ± 1.524
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

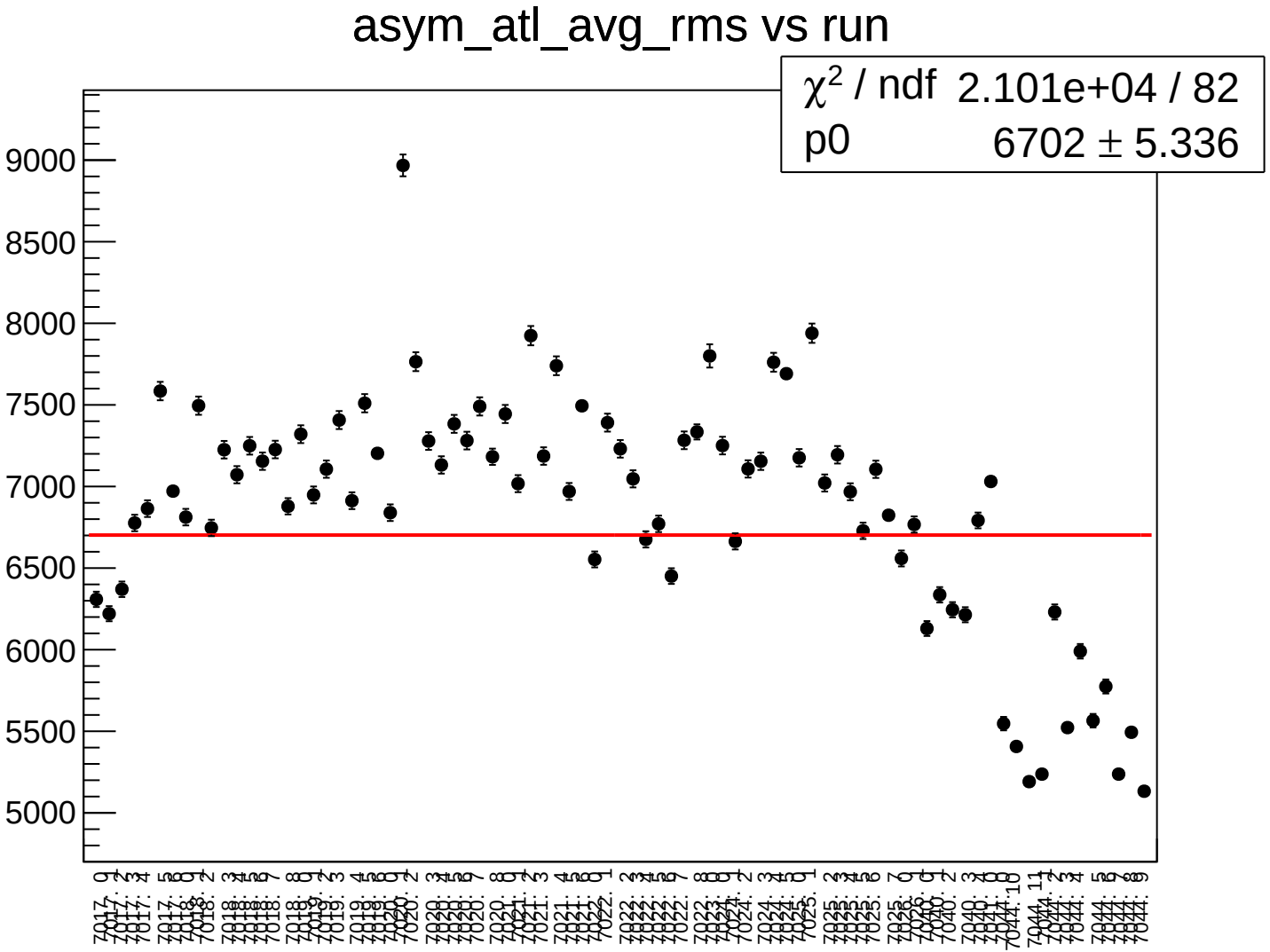

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 75.26 / 82
p0 −1.268e+04 ± 7357
pull
Entries 83
Mean 291.2
Std Dev 277.4

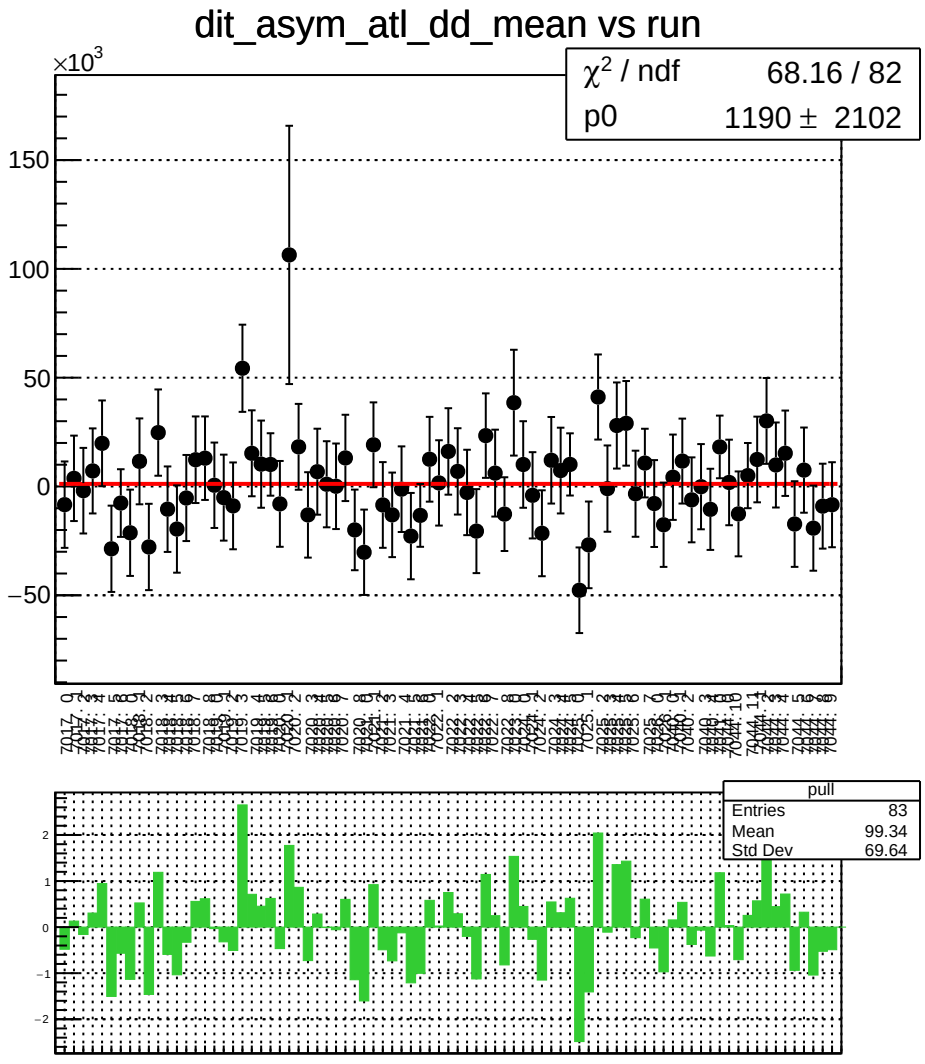

pull1D
Entries 83
Mean −0.005175
Std Dev 0.9522

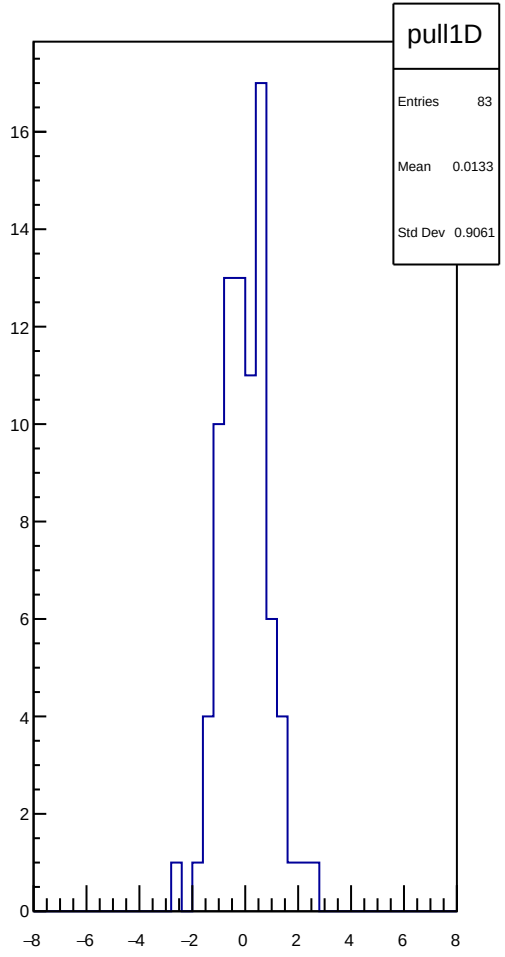

asym_atl_avg_correction_rms vs run
χ2 / ndf 1.915e+04 / 82
p0 6537 ± 5.202
8000
7500
7000
6500
6000
5500
5000

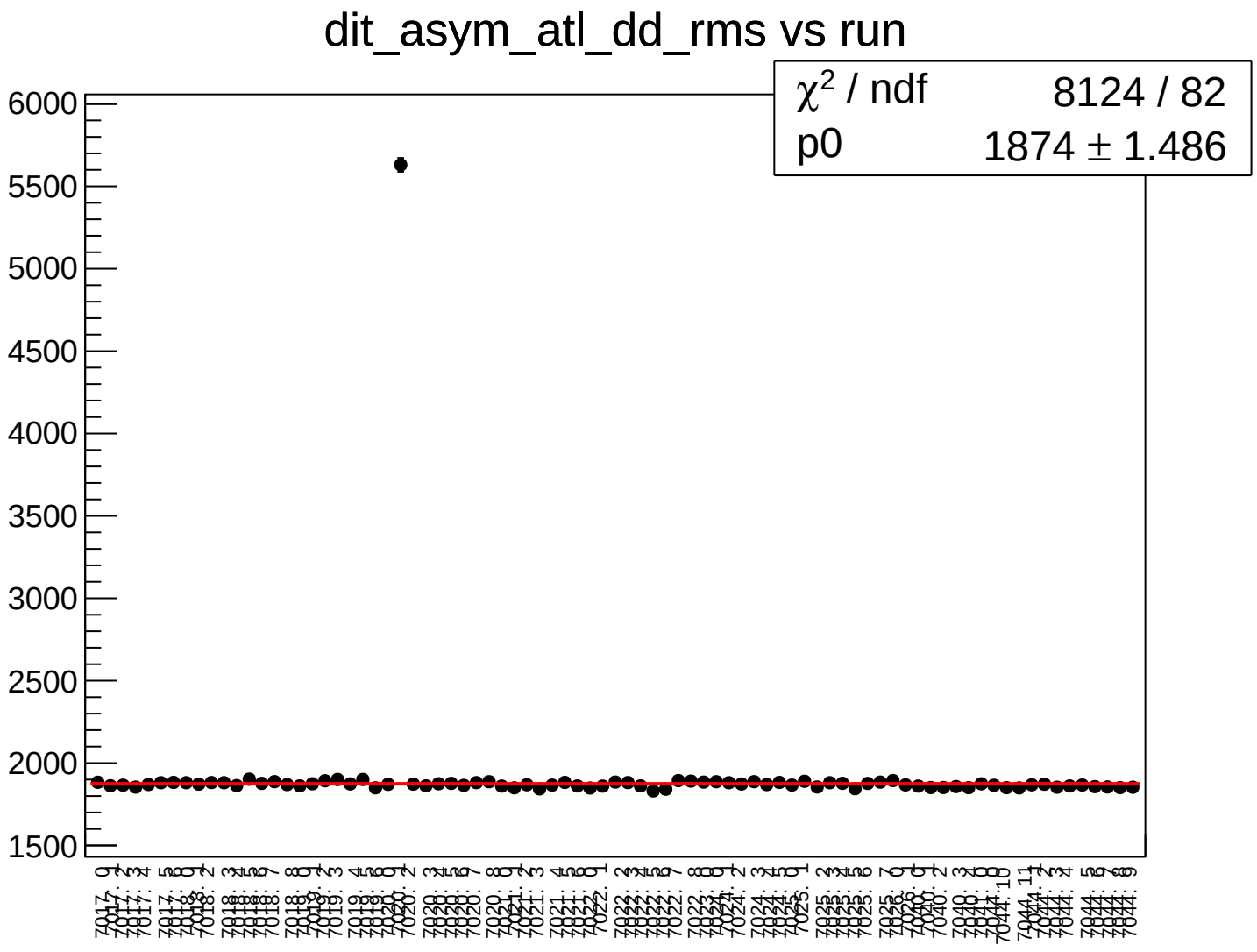

asym_atl_avg_mean vs run
×10^3
χ² / ndf 78.89 / 82
p0 7542 ± 7547
200
100
0
−100
−200
pull
Entries 83
Mean 17.24
Std Dev 130.9
2
1
0
−1
−2
−3

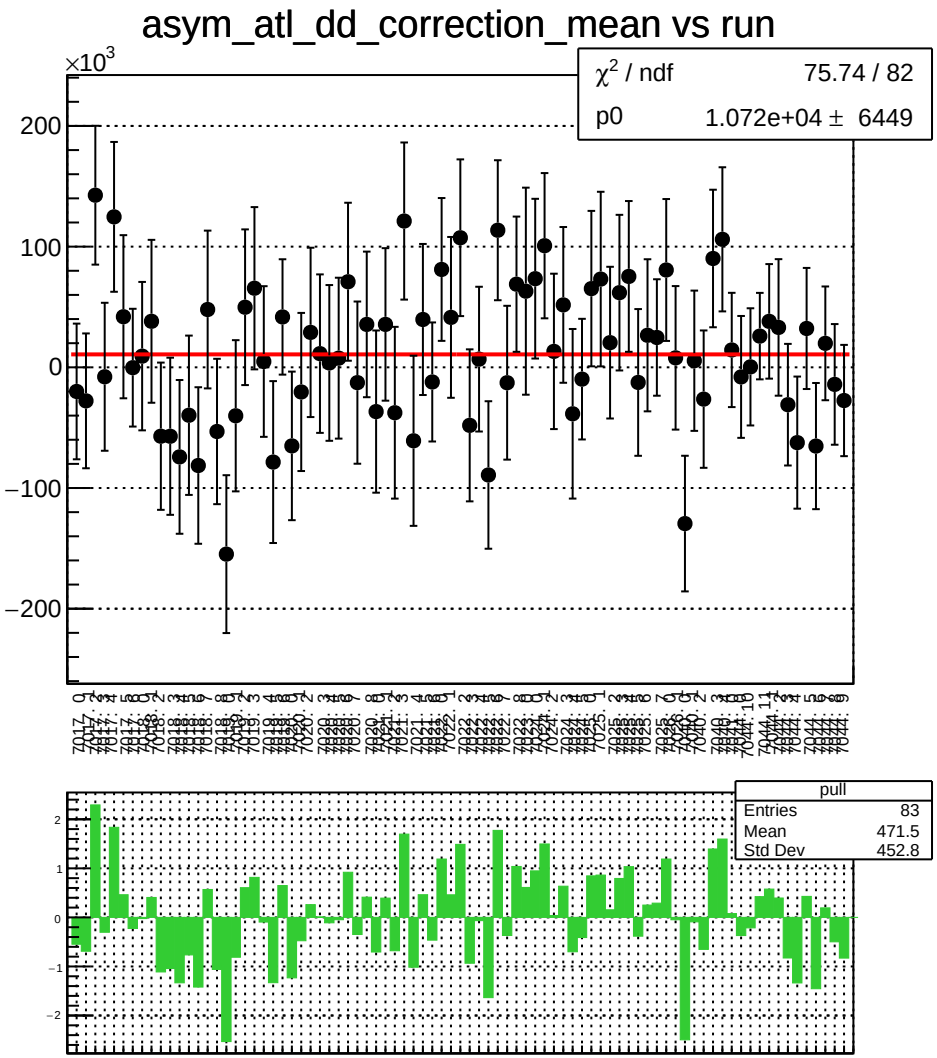

pull1D
Entries 83
Mean 0.003964
Std Dev 0.9749
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

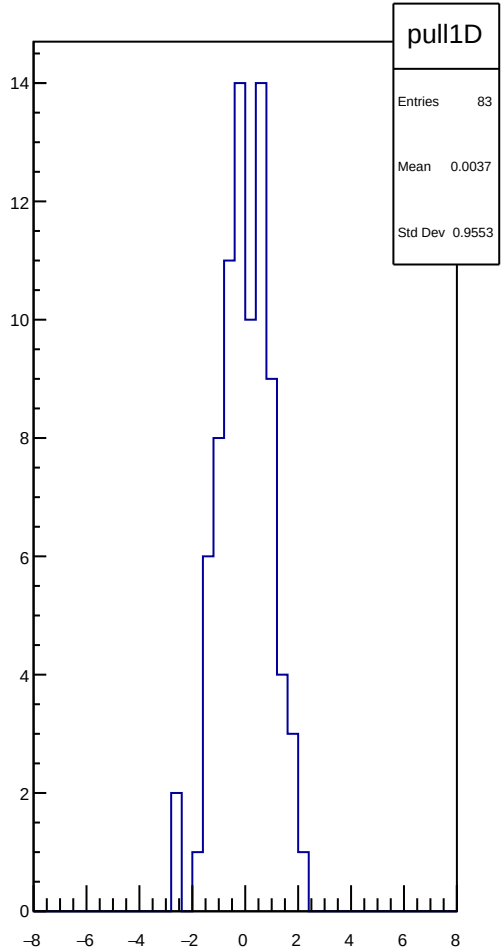

asym_atl_avg_rms vs run
χ^2 / ndf 2.101e+04 / 82
p0 6702 ± 5.336
9000
8500
8000
7500
7000
6500
6000
5500
5000

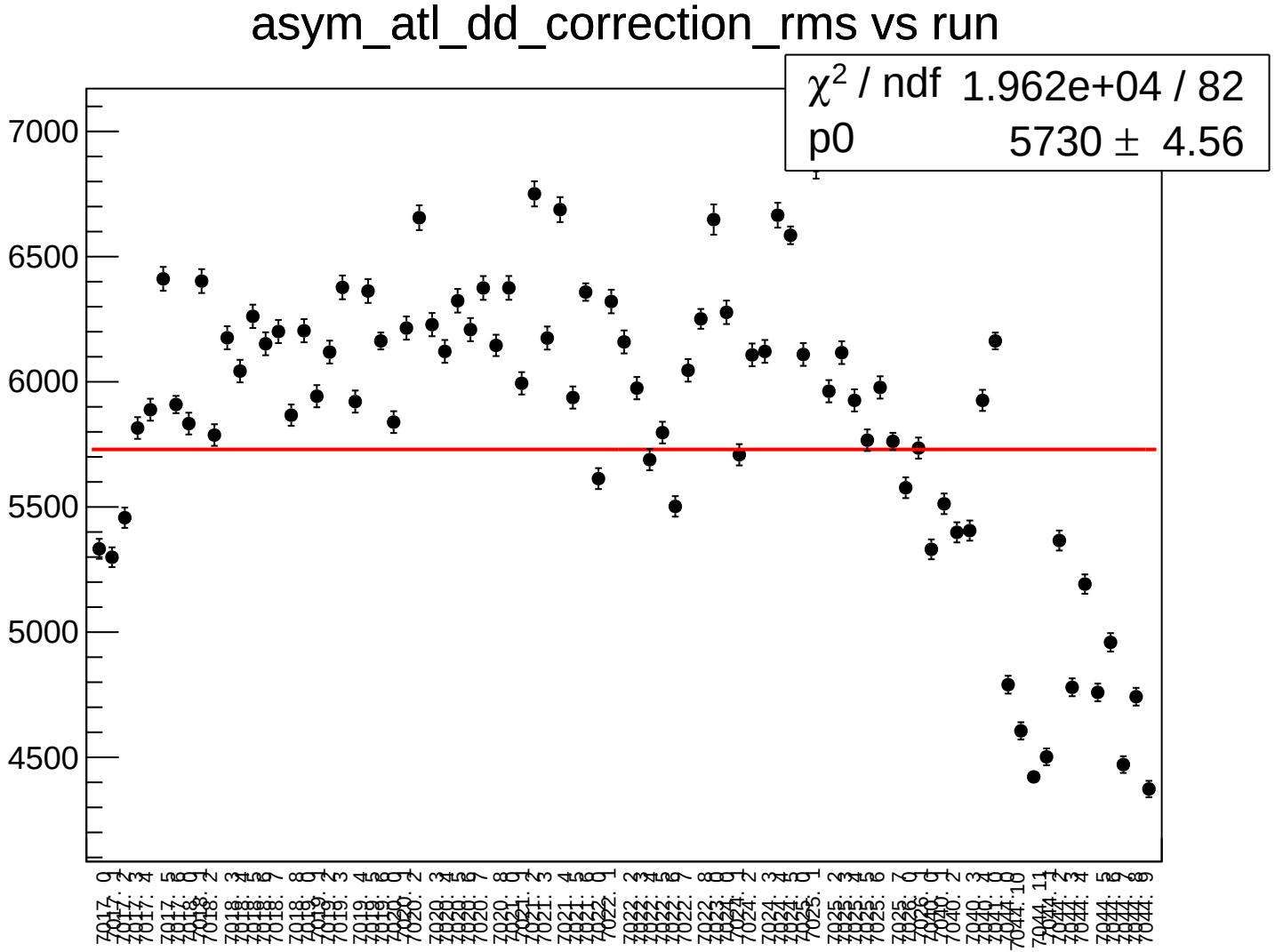

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 68.16 / 82
p0 1190 ± 2102
pull
Entries 83
Mean 99.34
Std Dev 69.64

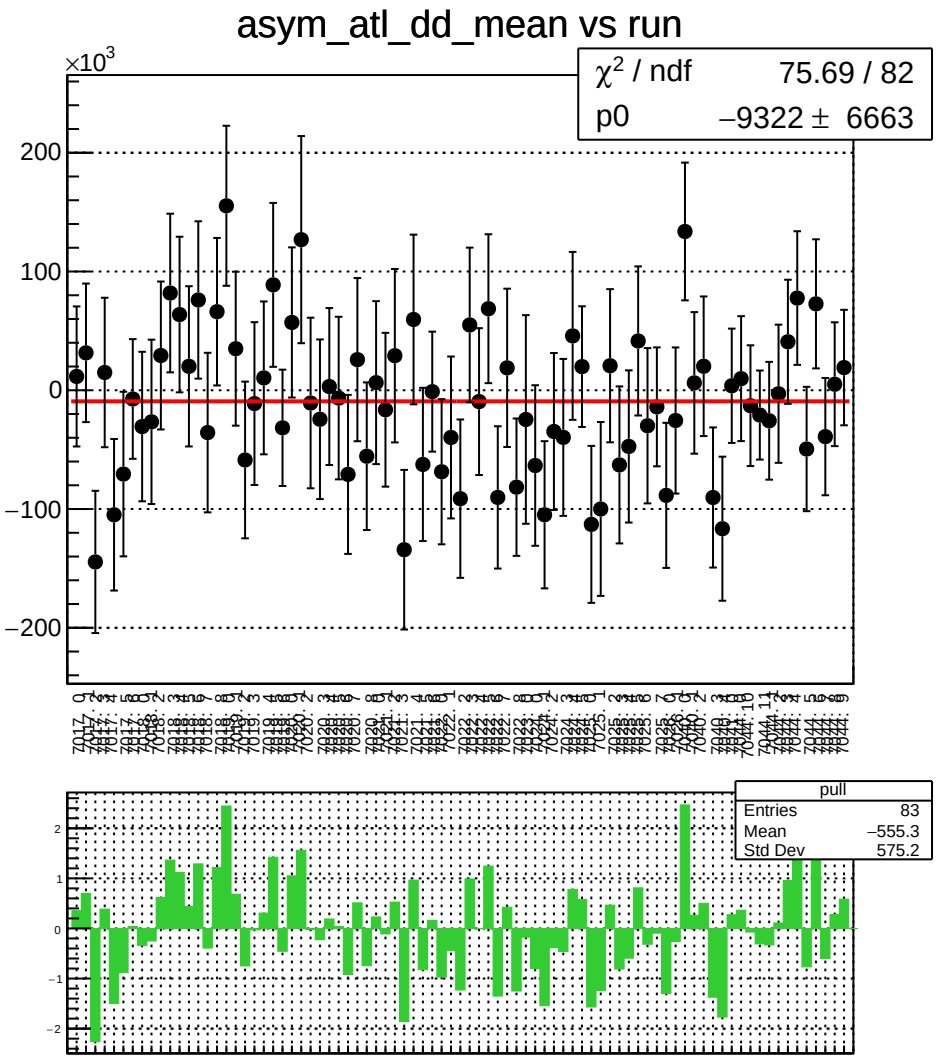

pull1D
Entries 83
Mean 0.0133
Std Dev 0.9061

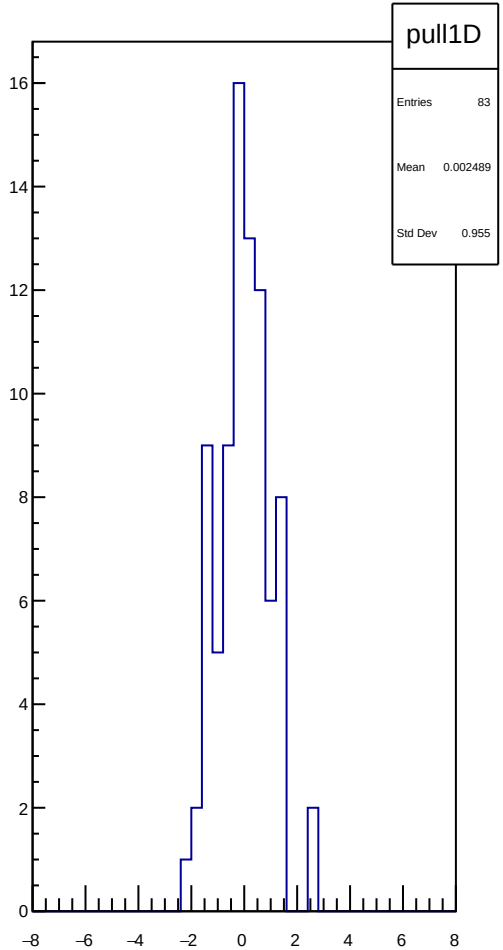

dit_asym_atl_dd_rms vs run
χ2 / ndf 8124 / 82
p0 1874 ± 1.486
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

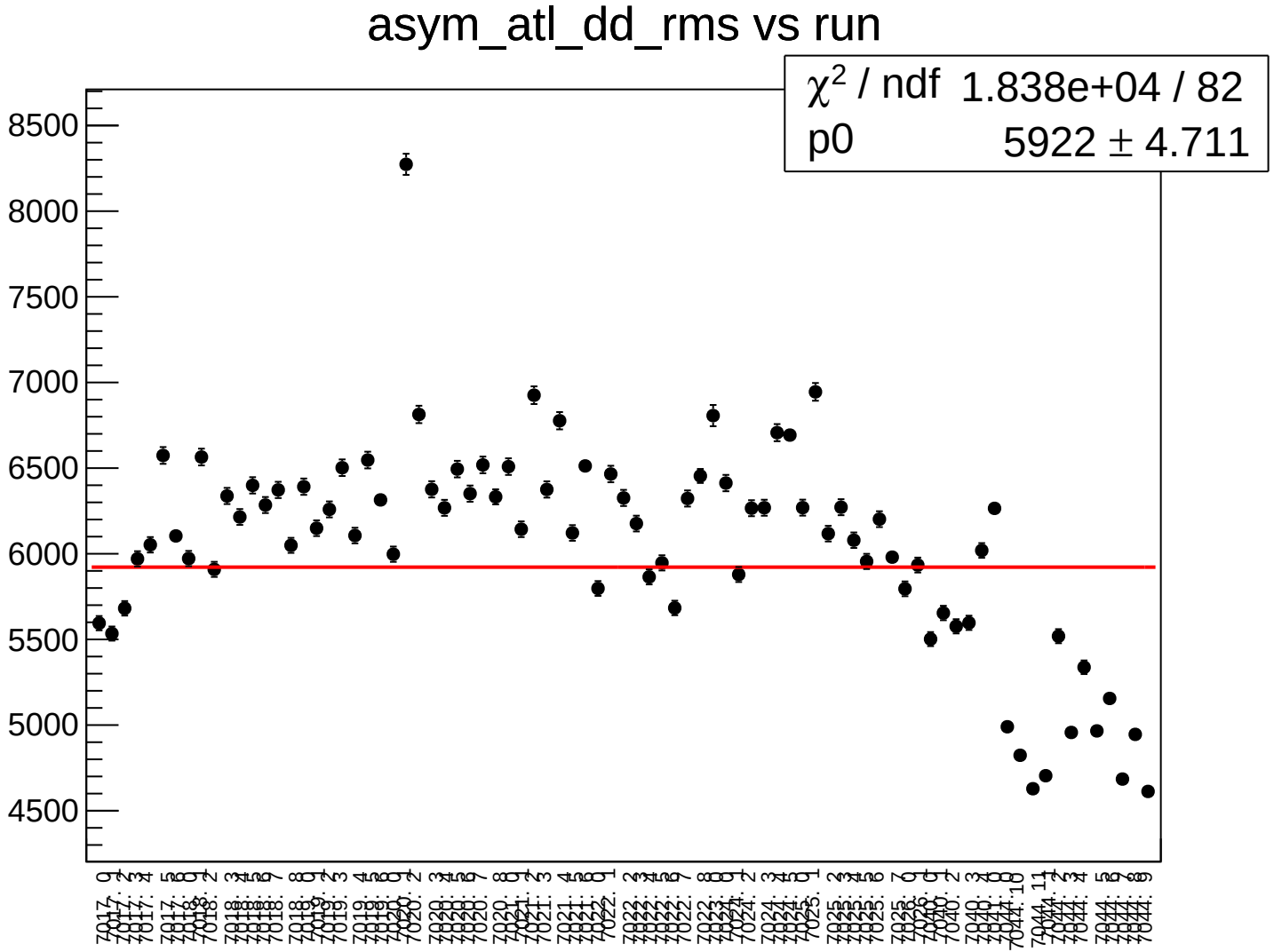

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 75.74 / 82
p0 1.072e+04 ± 6449
pull
Entries 83
Mean 471.5
Std Dev 452.8

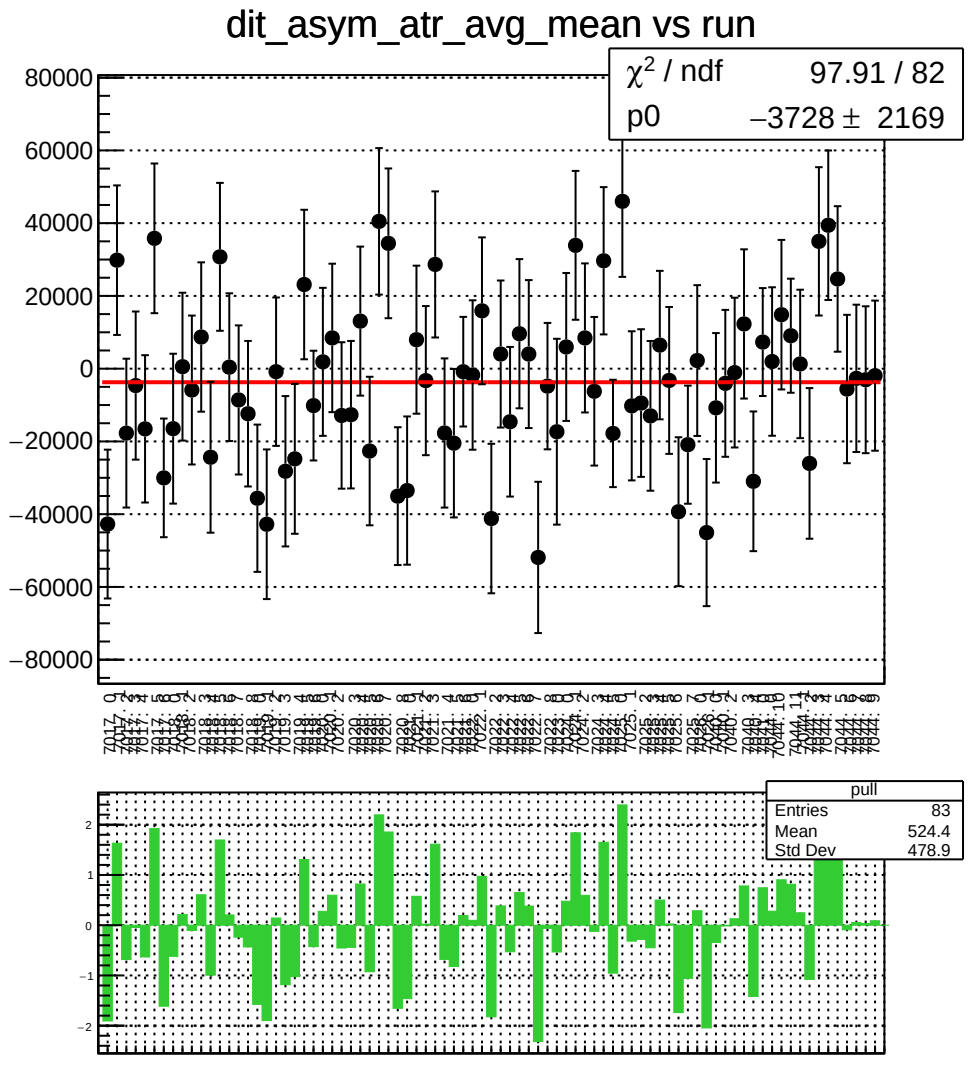

pull1D
Entries 83
Mean 0.0037
Std Dev 0.9553

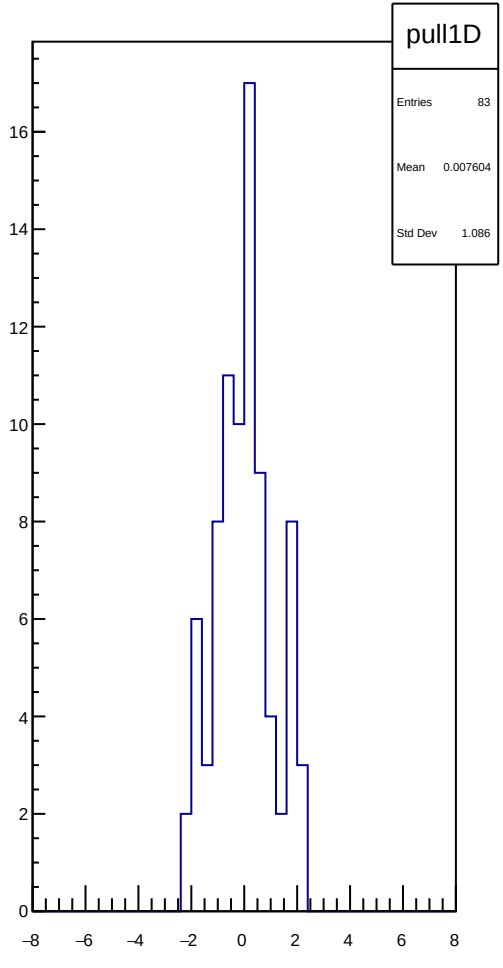

asym_atl_dd_correction_rms vs run
χ2 / ndf 1.962e+04 / 82
p0 5730 ± 4.56
7000
6500
6000
5500
5000
4500

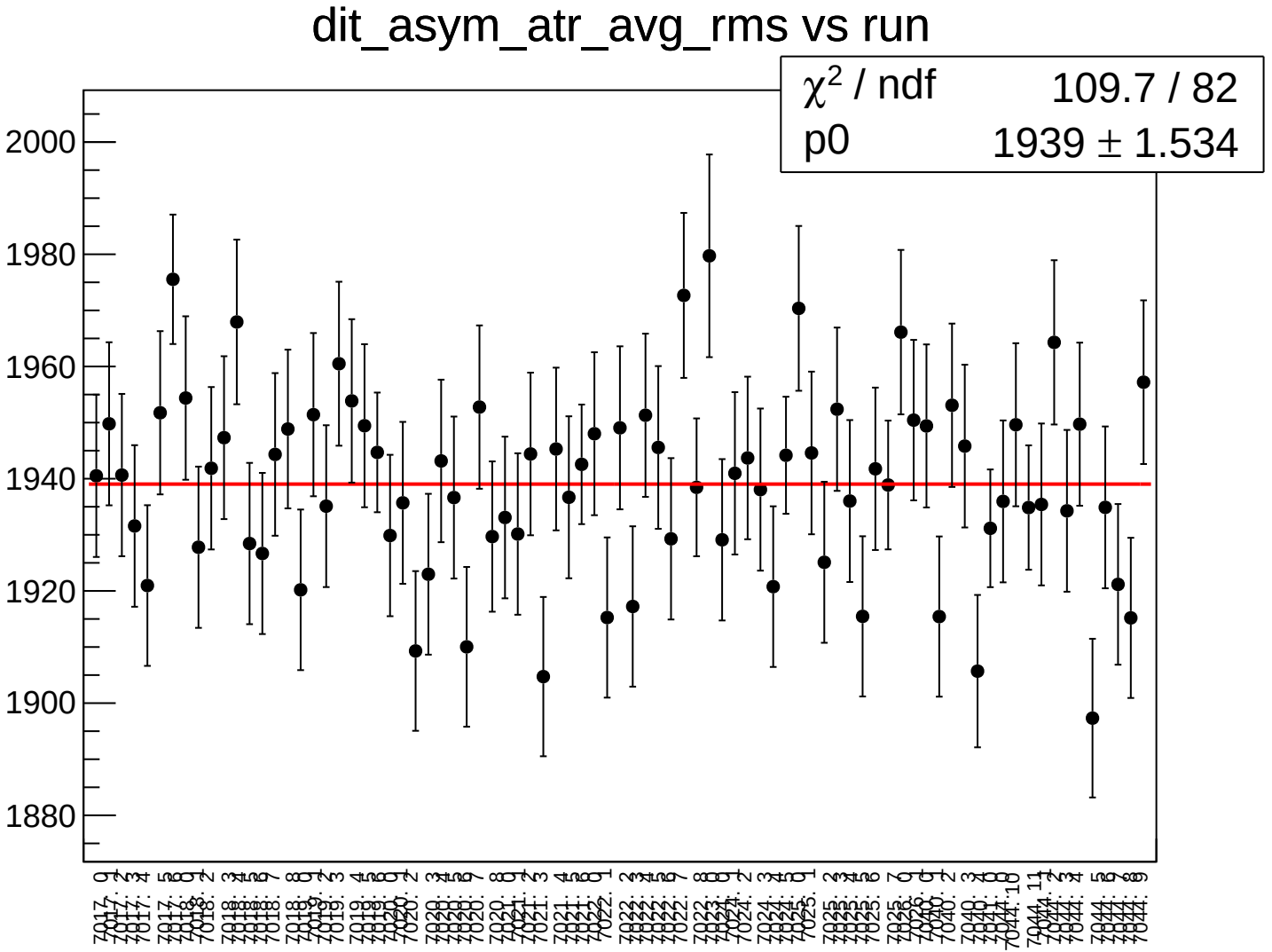

asym_atl_dd_mean vs run
×10^3
χ² / ndf 75.69 / 82
p0 −9322 ± 6663
pull
Entries 83
Mean −555.3
Std Dev 575.2

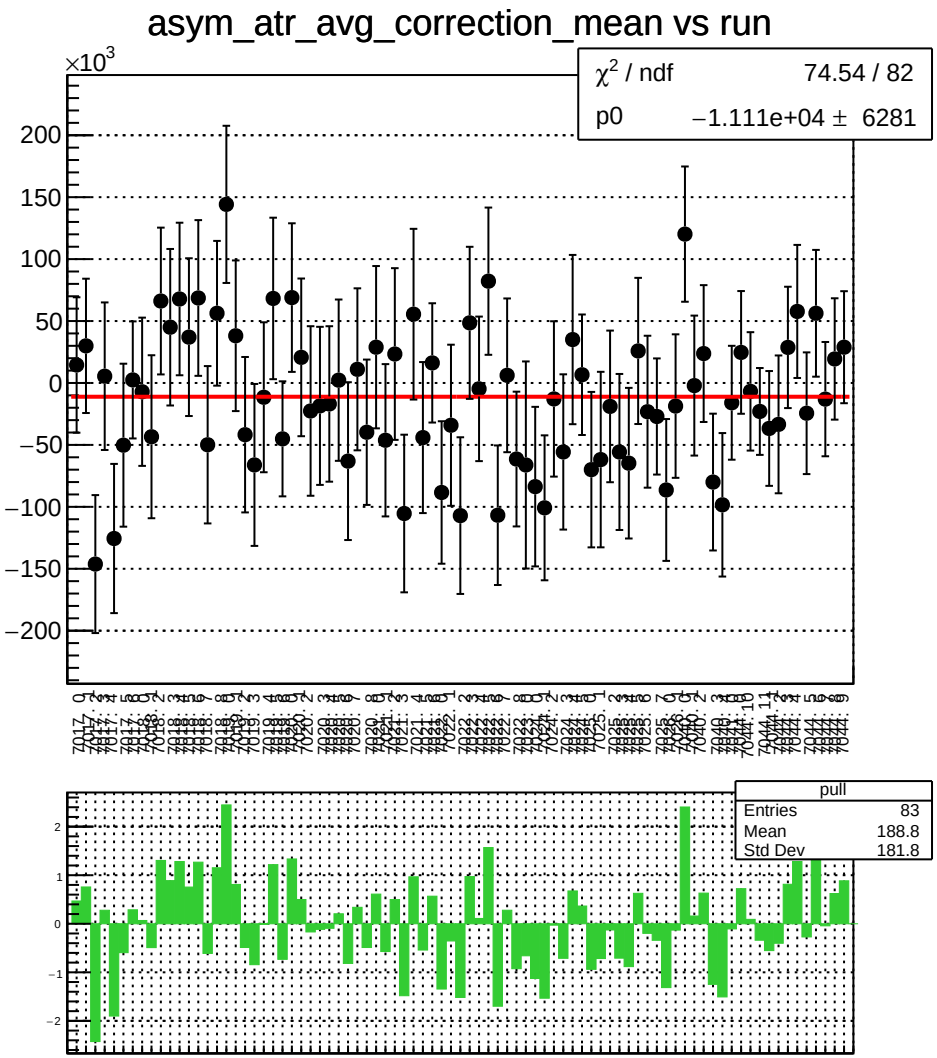

pull1D
Entries 83
Mean 0.002489
Std Dev 0.955

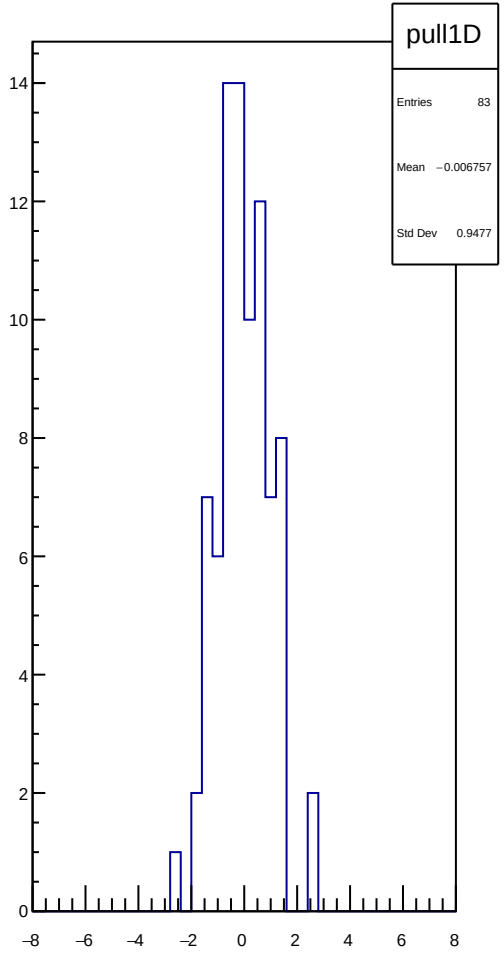

asym_atl_dd_rms vs run
χ² / ndf 1.838e+04 / 82
p0 5922 ± 4.711
8500
8000
7500
7000
6500
6000
5500
5000
4500

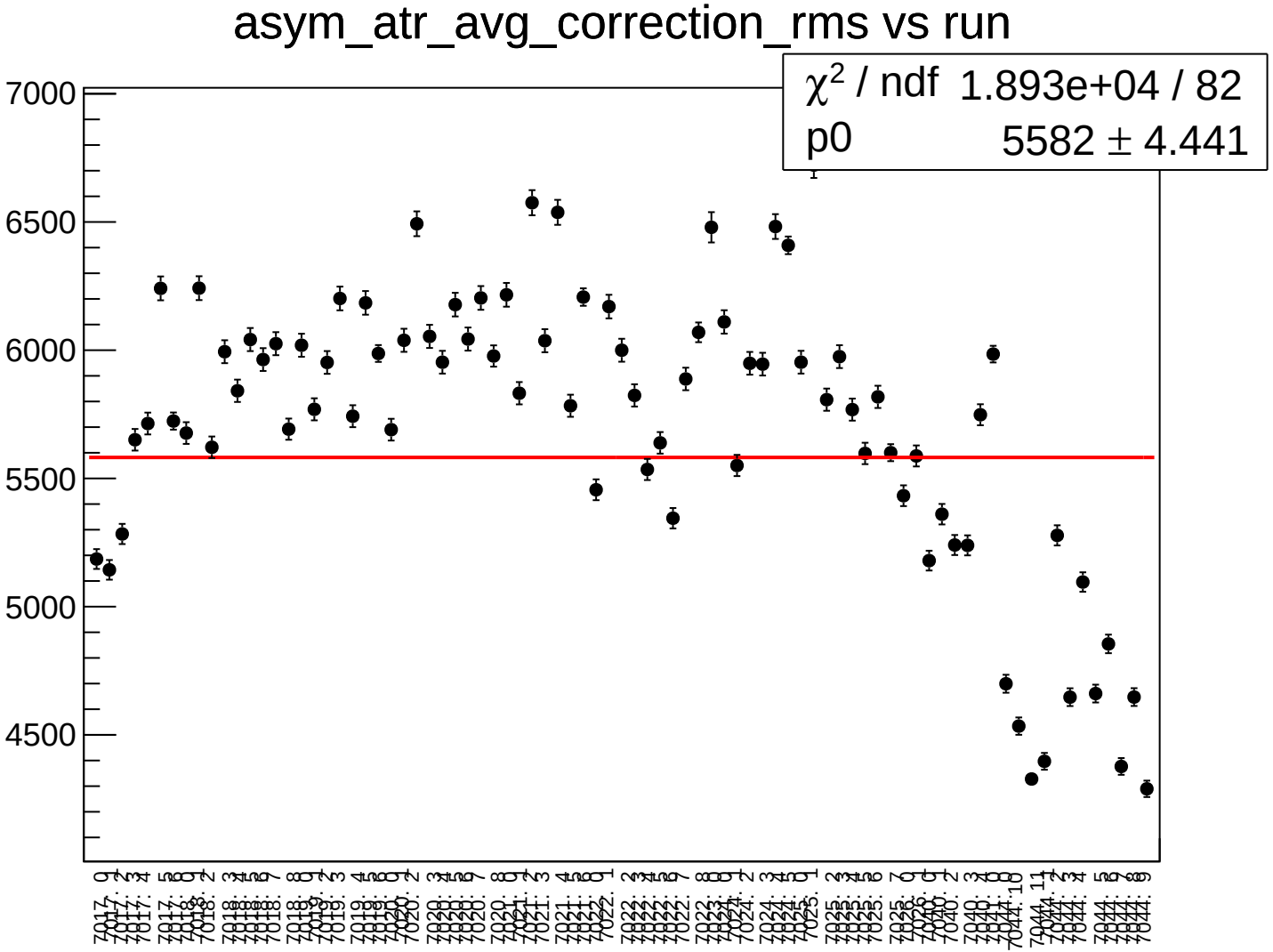

dit_asym_atr_avg_mean vs run
χ² / ndf 97.91 / 82
p0 −3728 ± 2169
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 83
Mean 524.4
Std Dev 478.9
2
1
0
−1
−2

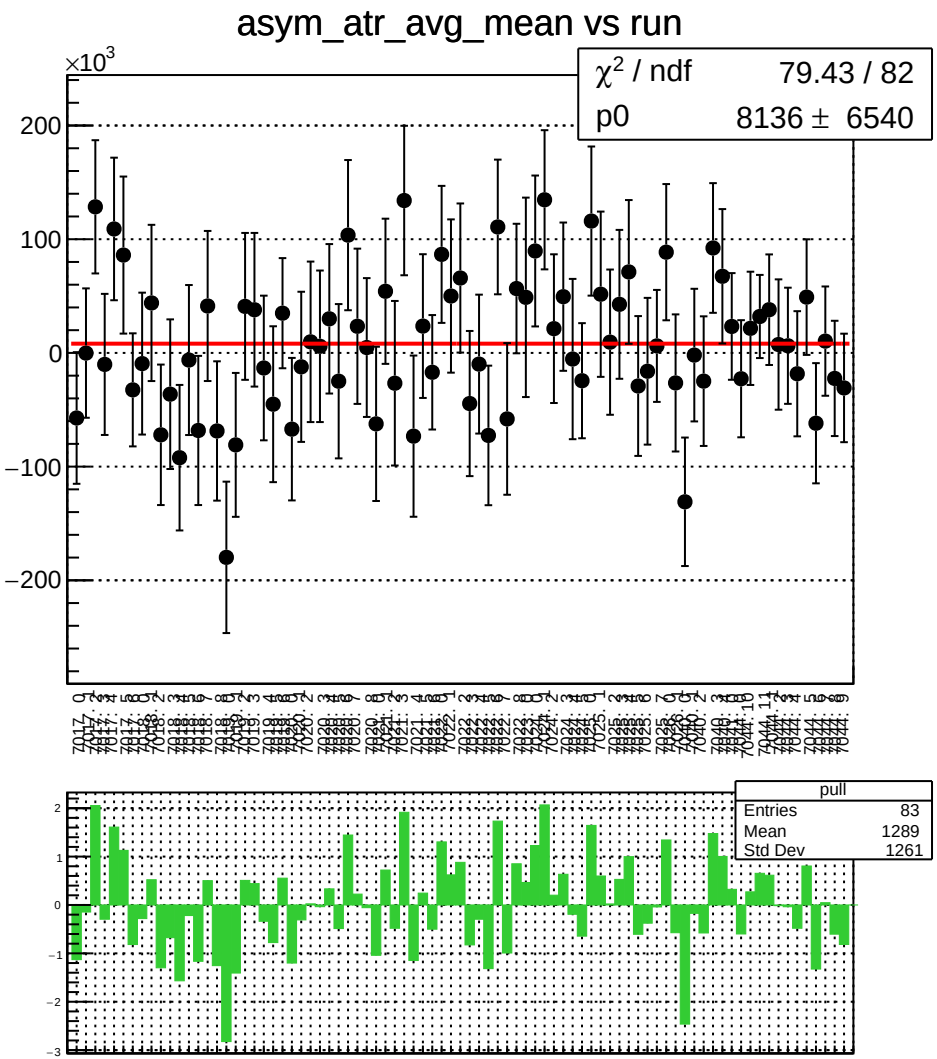

pull1D
Entries 83
Mean 0.007604
Std Dev 1.086
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

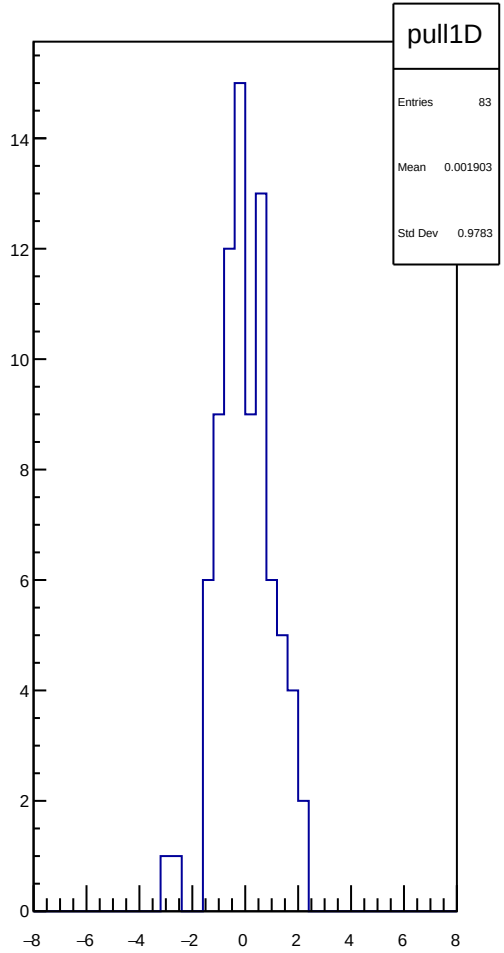

dit_asym_atr_avg_rms vs run
χ2 / ndf 109.7 / 82
p0 1939 ± 1.534
2000
1980
1960
1940
1920
1900
1880

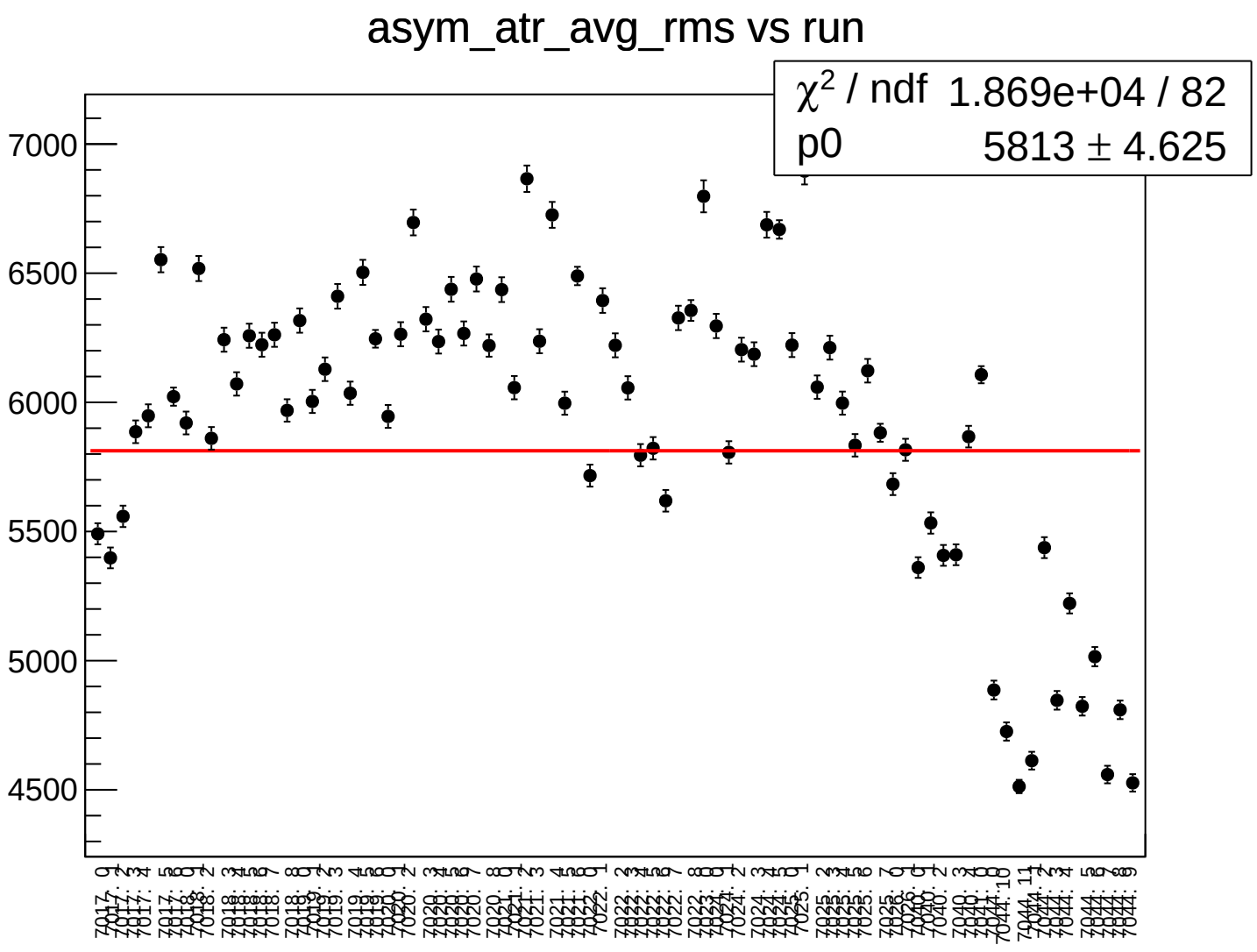

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 74.54 / 82
p0 −1.111e+04 ± 6281
pull
Entries 83
Mean 188.8
Std Dev 181.8

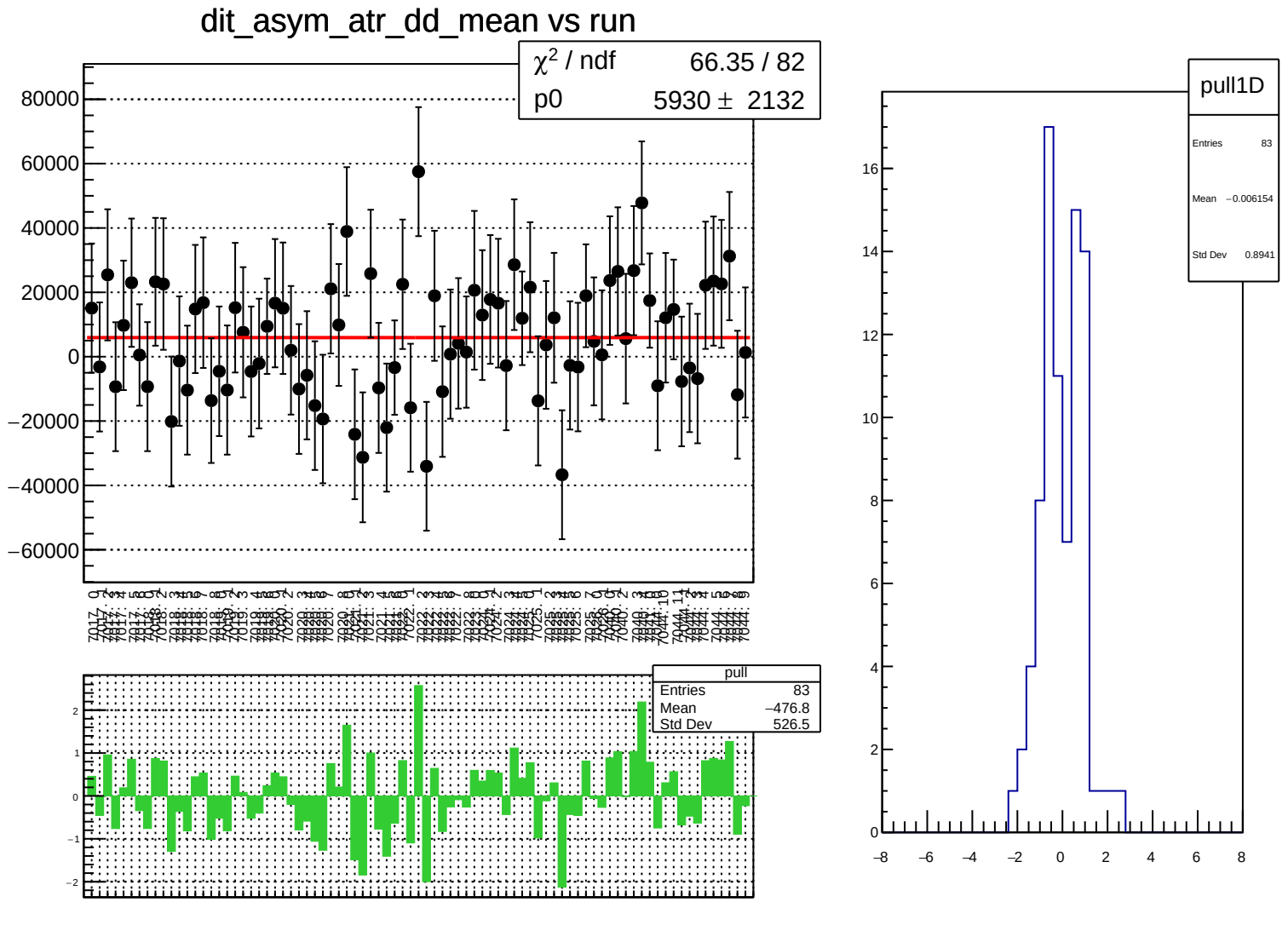

pull1D
Entries 83
Mean −0.006757
Std Dev 0.9477

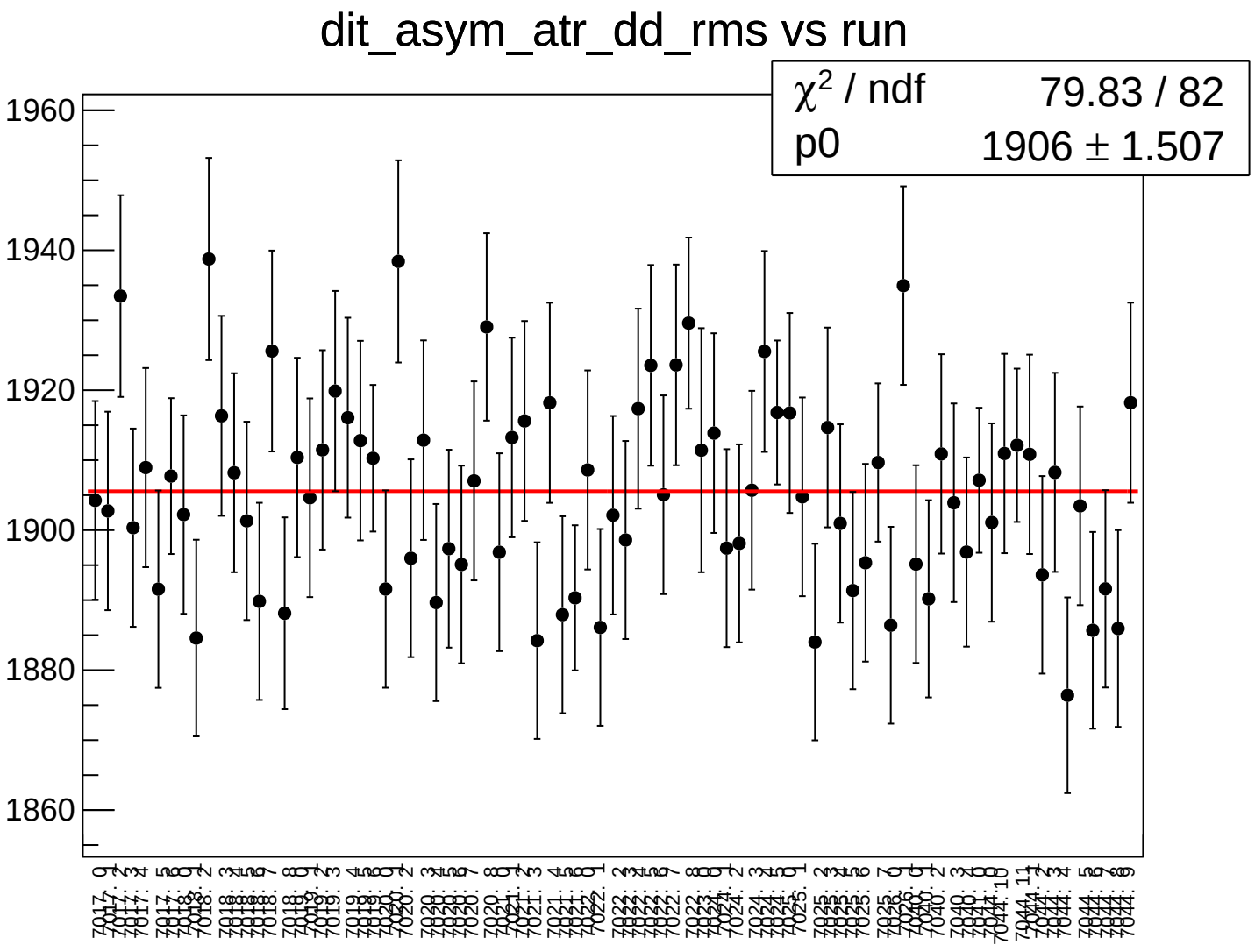

asym_atr_avg_correction_rms vs run
χ^2 / ndf 1.893e+04 / 82
p0 5582 ± 4.441
7000
6500
6000
5500
5000
4500

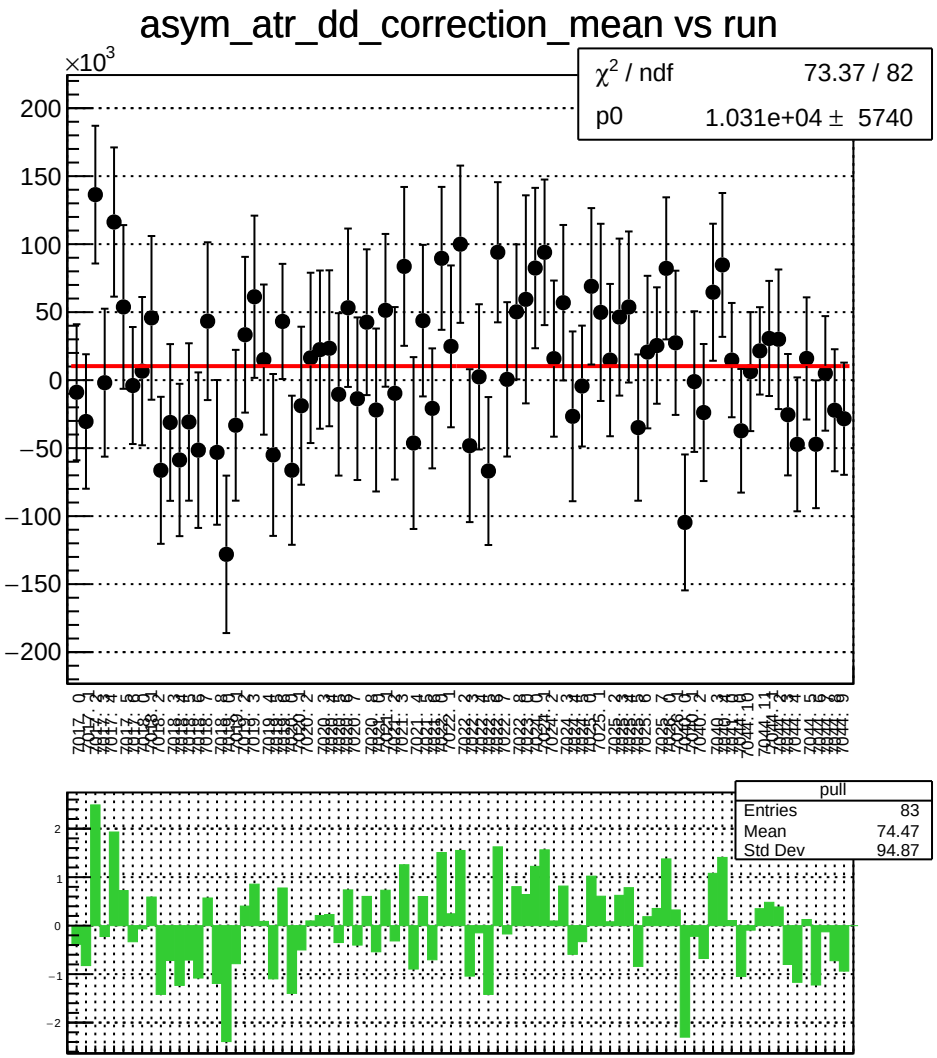

asym_atr_avg_mean vs run
×10^3
χ² / ndf 79.43 / 82
p0 8136 ± 6540
pull
Entries 83
Mean 1289
Std Dev 1261

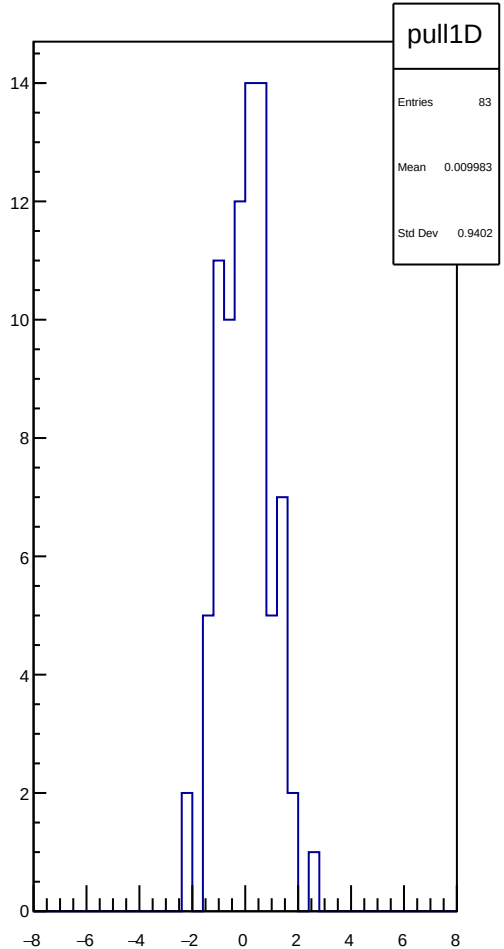

pull1D
Entries 83
Mean 0.001903
Std Dev 0.9783

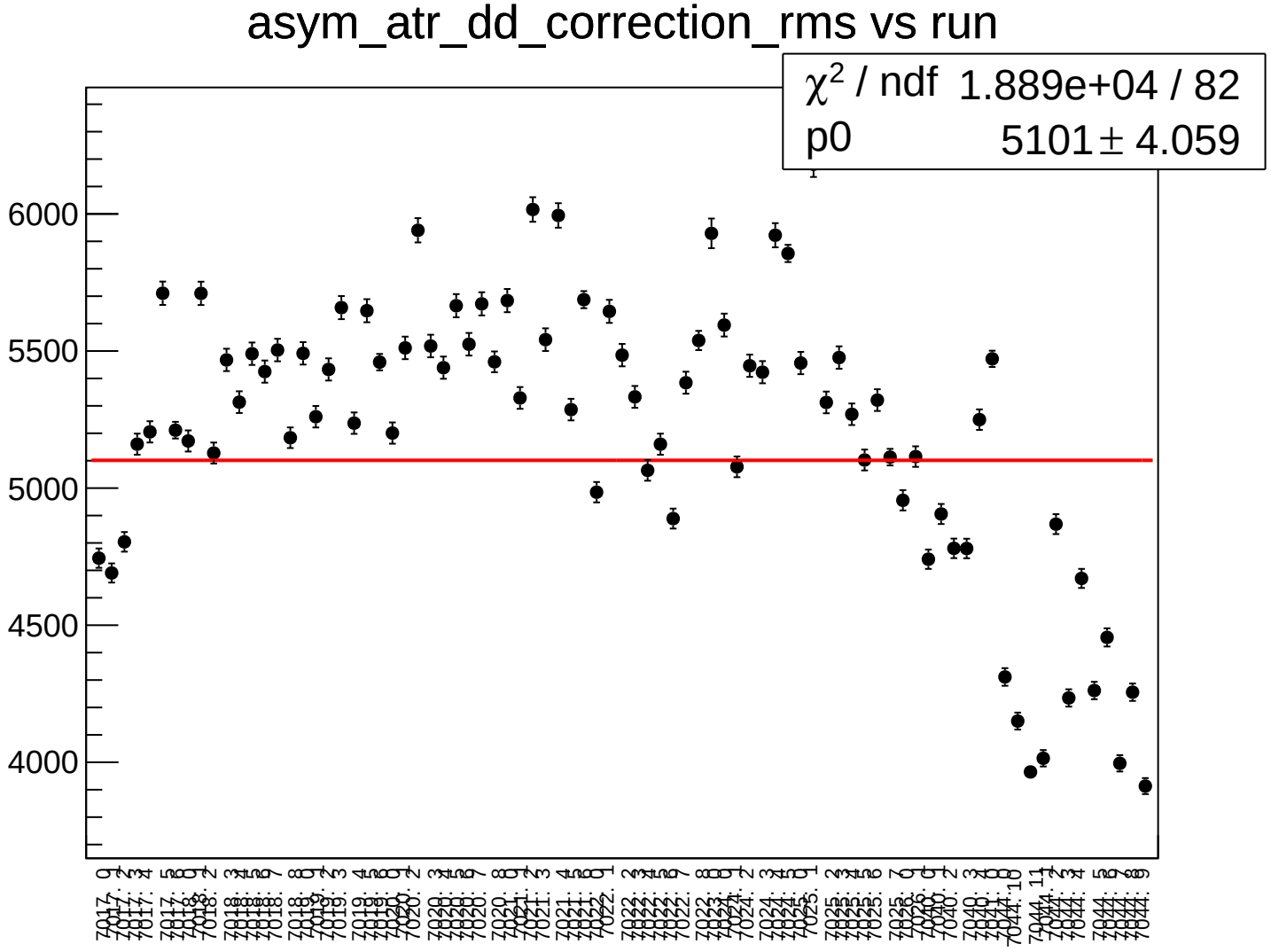

asym_atr_avg_rms vs run
χ2 / ndf 1.869e+04 / 82
p0 5813 ± 4.625
7000
6500
6000
5500
5000
4500

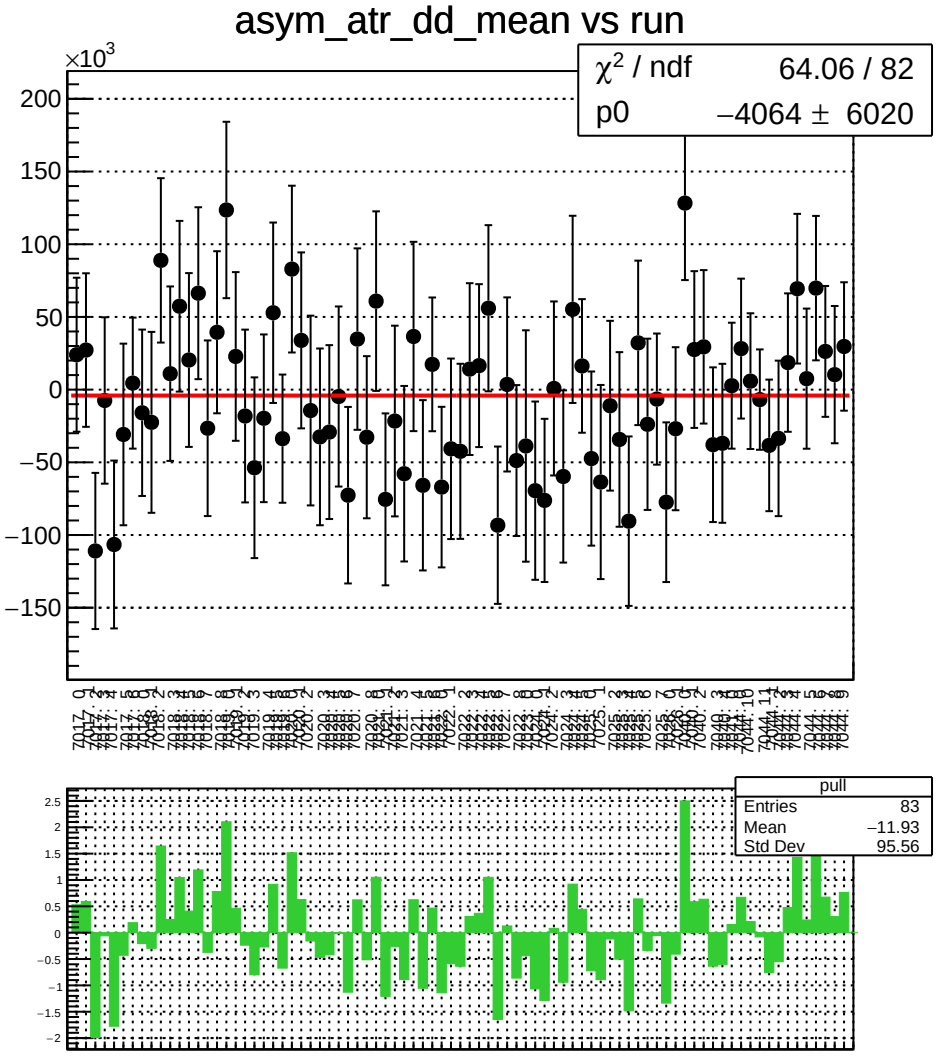

dit_asym_atr_dd_mean vs run
χ² / ndf 66.35 / 82
p0 5930 ± 2132
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean −476.8
Std Dev 526.5
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.006154
Std Dev 0.8941
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

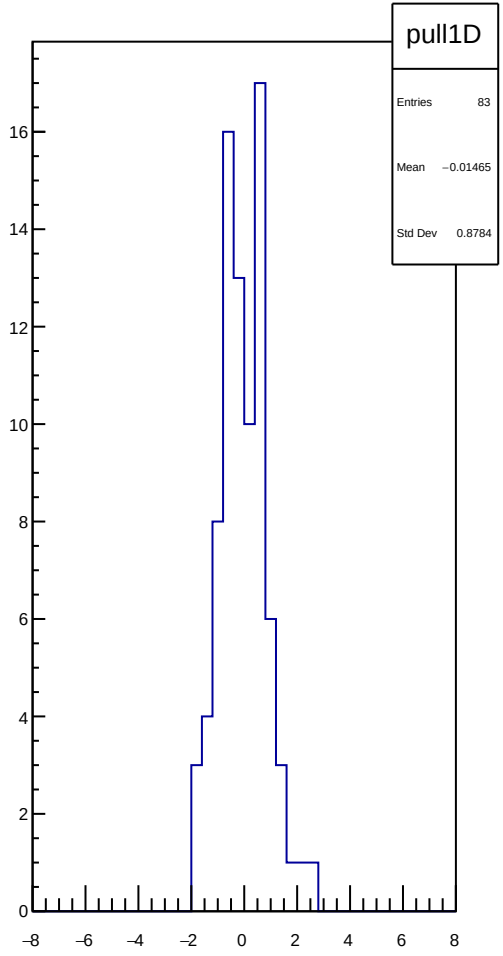

dit_asym_atr_dd_rms vs run
χ² / ndf 79.83 / 82
p0 1906 ± 1.507
1960
1940
1920
1900
1880
1860

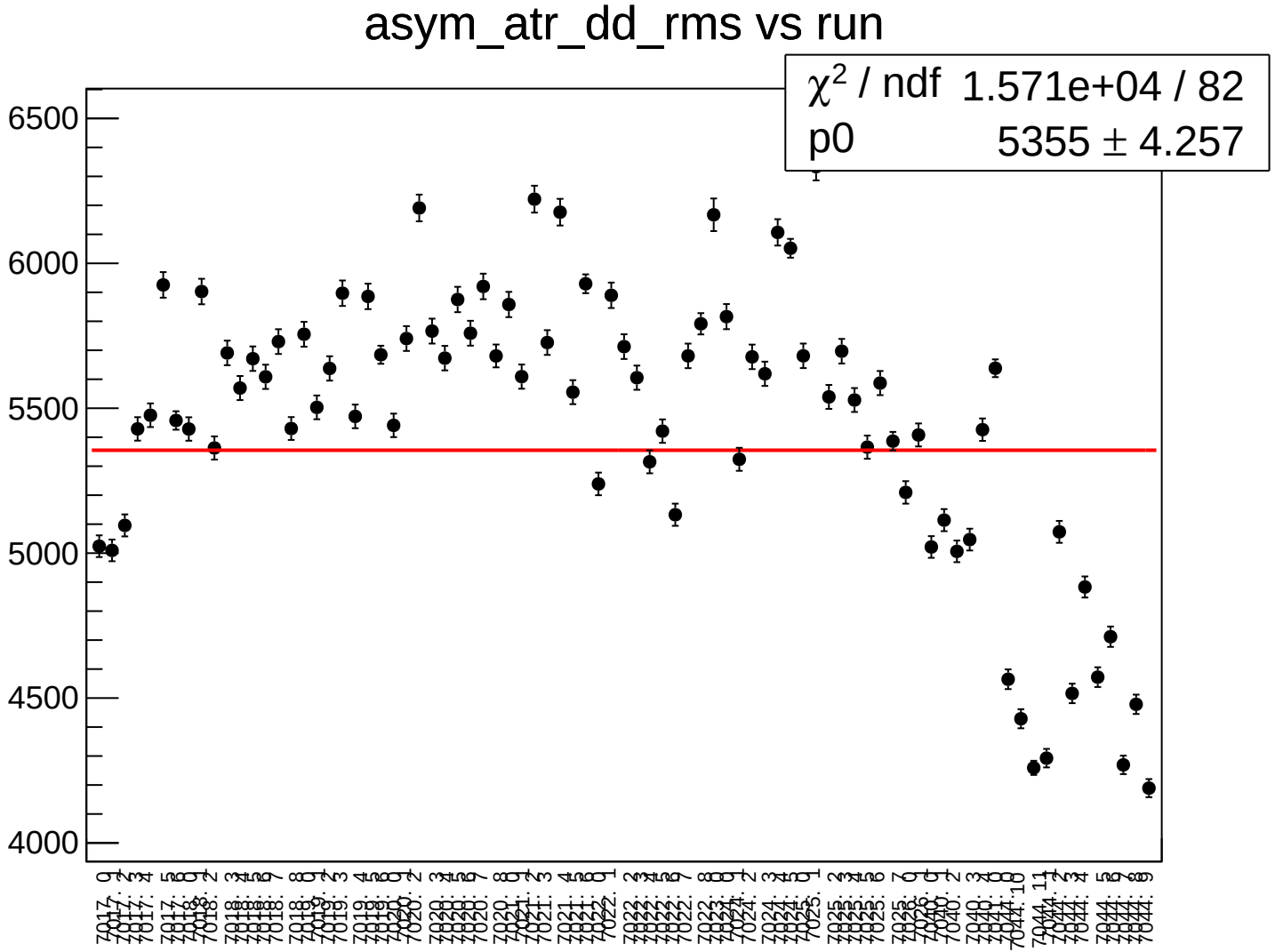

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 73.37 / 82
p0 1.031e+04 ± 5740
pull
Entries 83
Mean 74.47
Std Dev 94.87

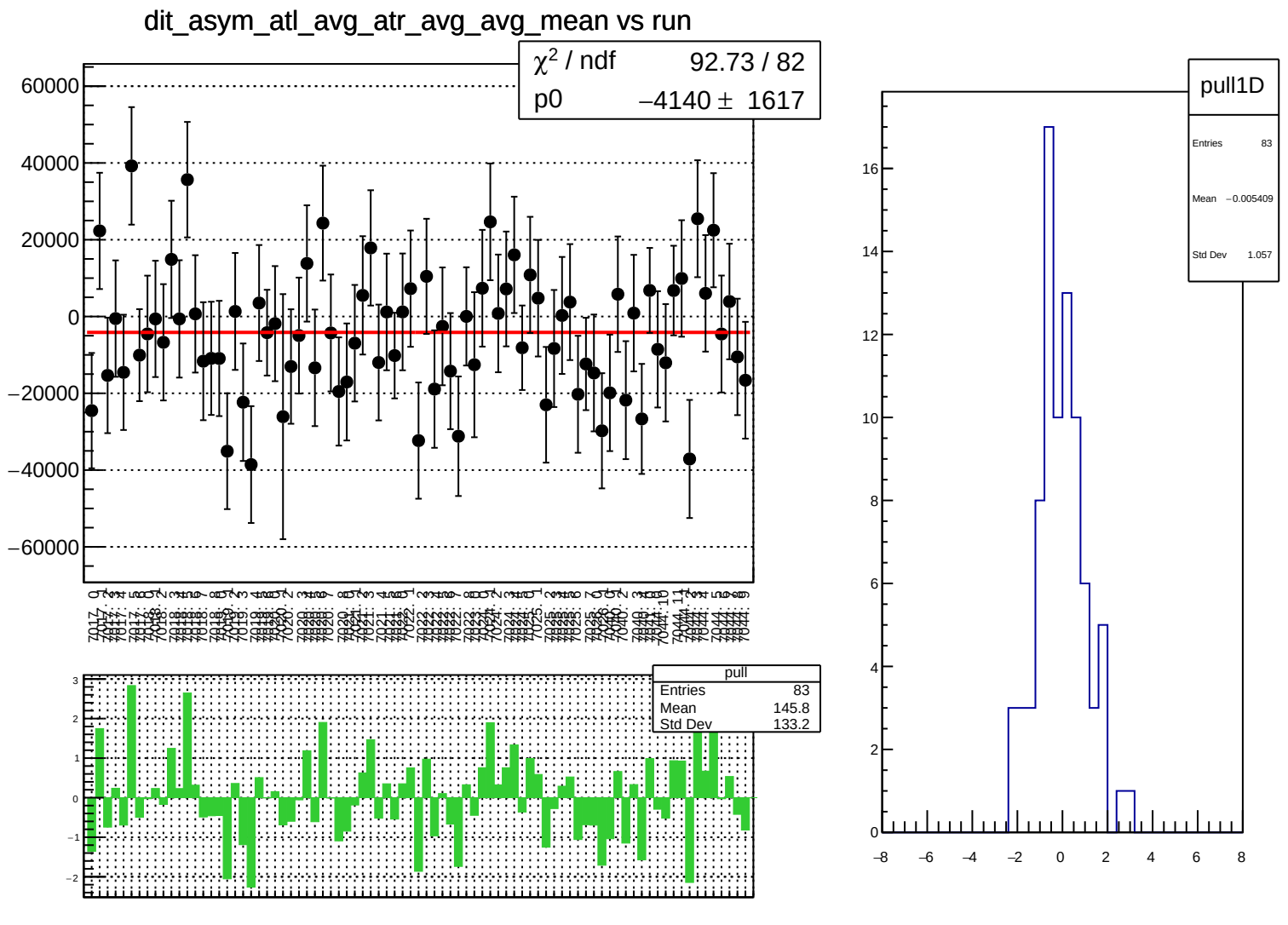

pull1D
Entries 83
Mean 0.009983
Std Dev 0.9402


asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.889e+04 / 82
p0 5101 ± 4.059
6000
5500
5000
4500
4000

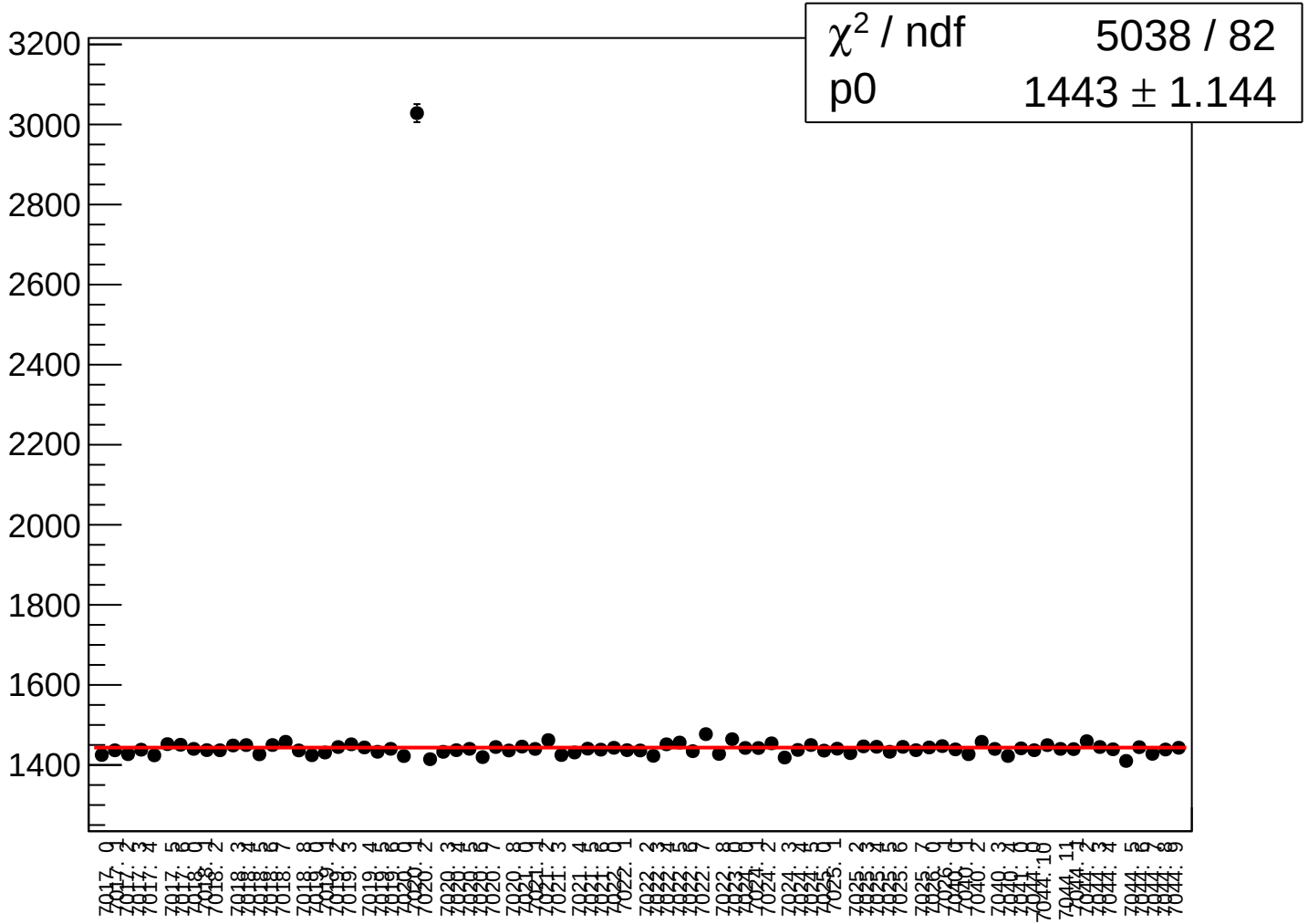

asym_atr_dd_mean vs run
×10^3
χ² / ndf 64.06 / 82
p0 −4064 ± 6020
pull
Entries 83
Mean −11.93
Std Dev 95.56

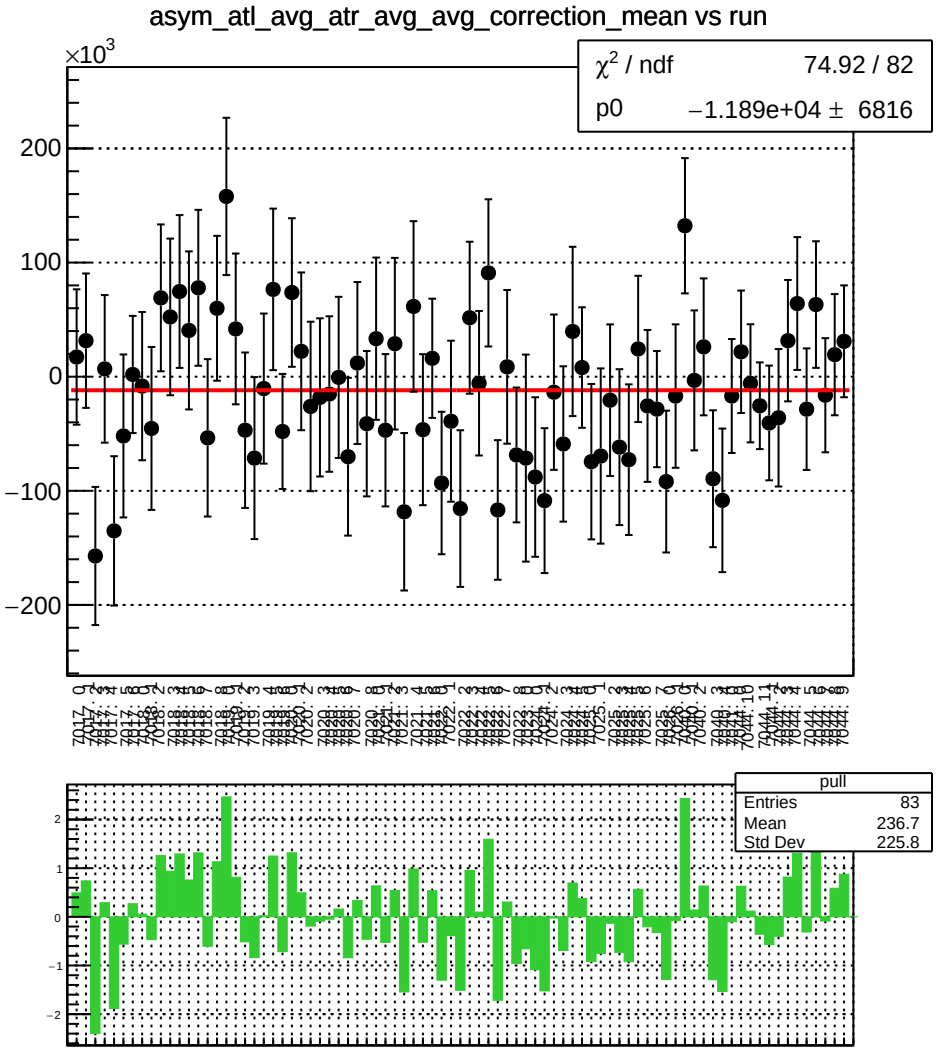

pull1D
Entries 83
Mean −0.01465
Std Dev 0.8784

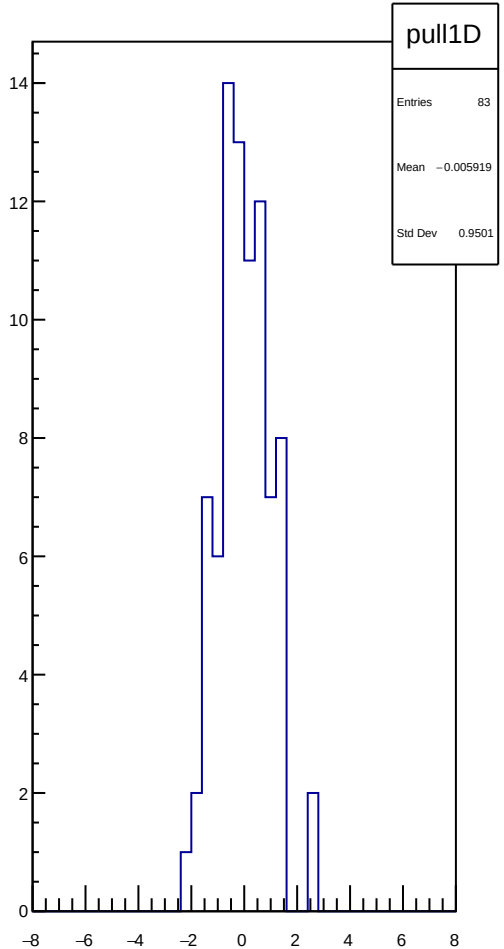

asym_atr_dd_rms vs run
χ2 / ndf 1.571e+04 / 82
p0 5355 ± 4.257
6500
6000
5500
5000
4500
4000

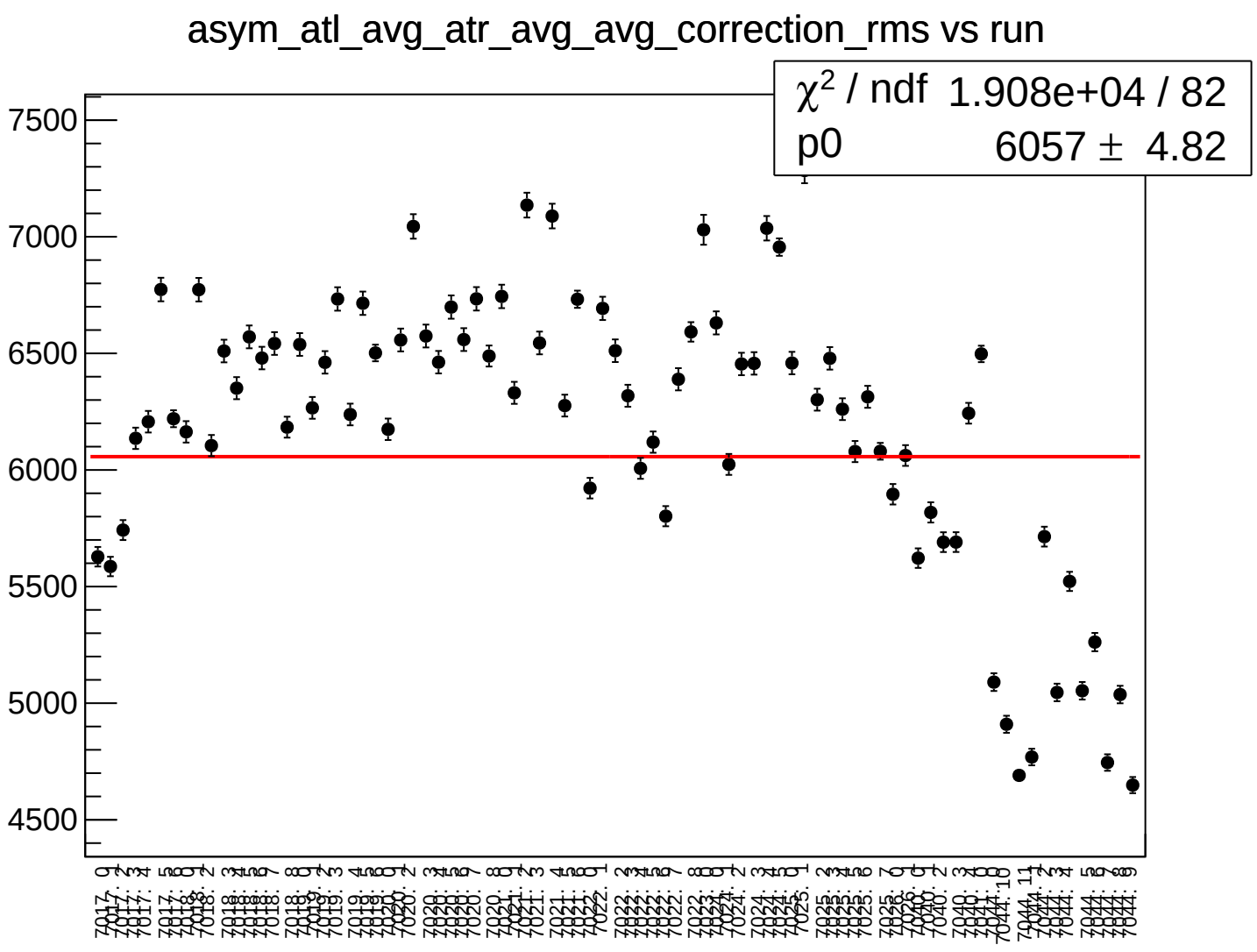

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 92.73 / 82
p0 −4140 ± 1617
pull
Entries 83
Mean 145.8
Std Dev 133.2
pull1D
Entries 83
Mean −0.005409
Std Dev 1.057

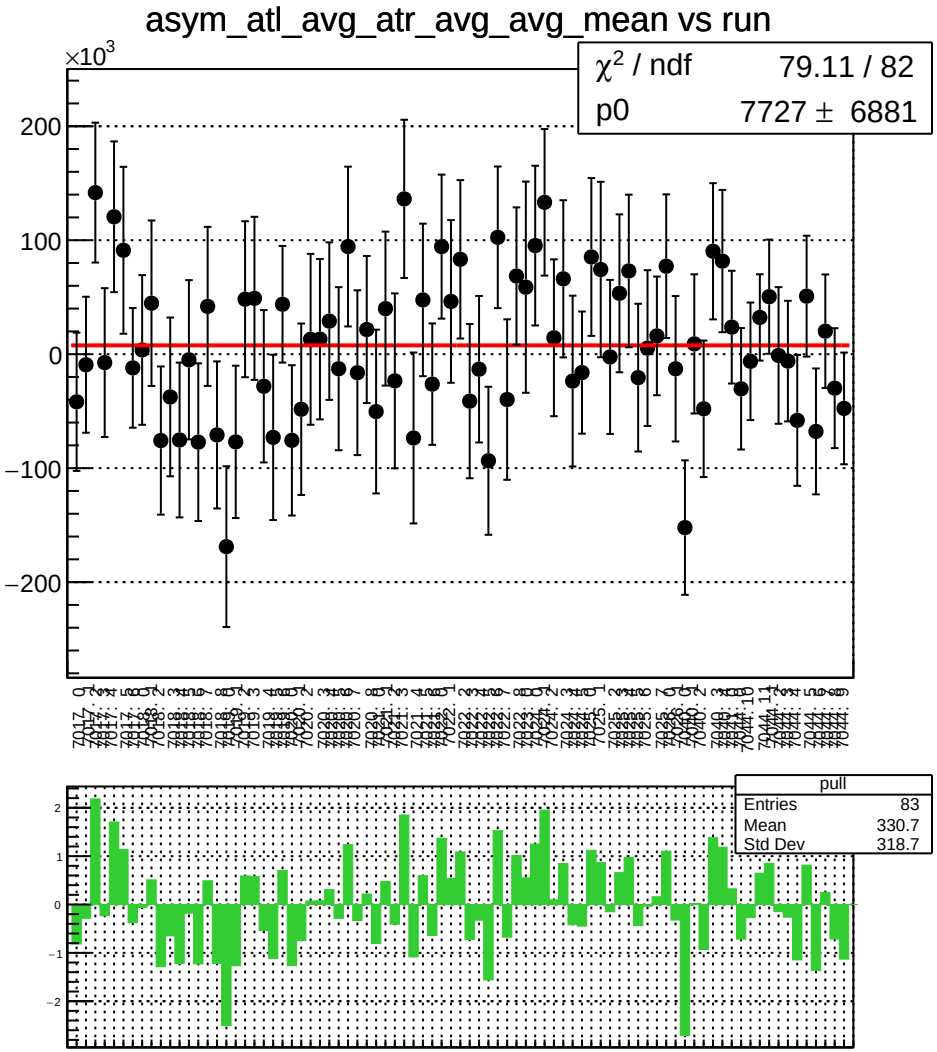
dit_asym_atl_avg_atr_avg_avg_rms vs run

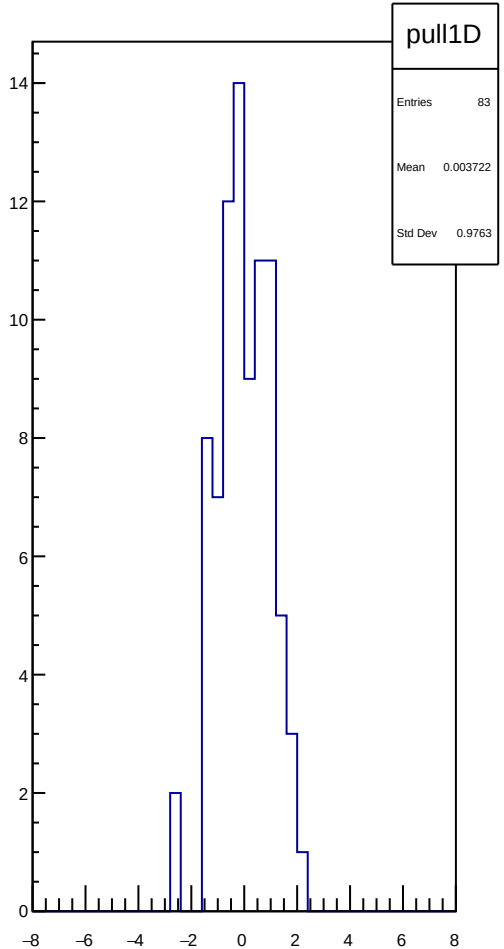


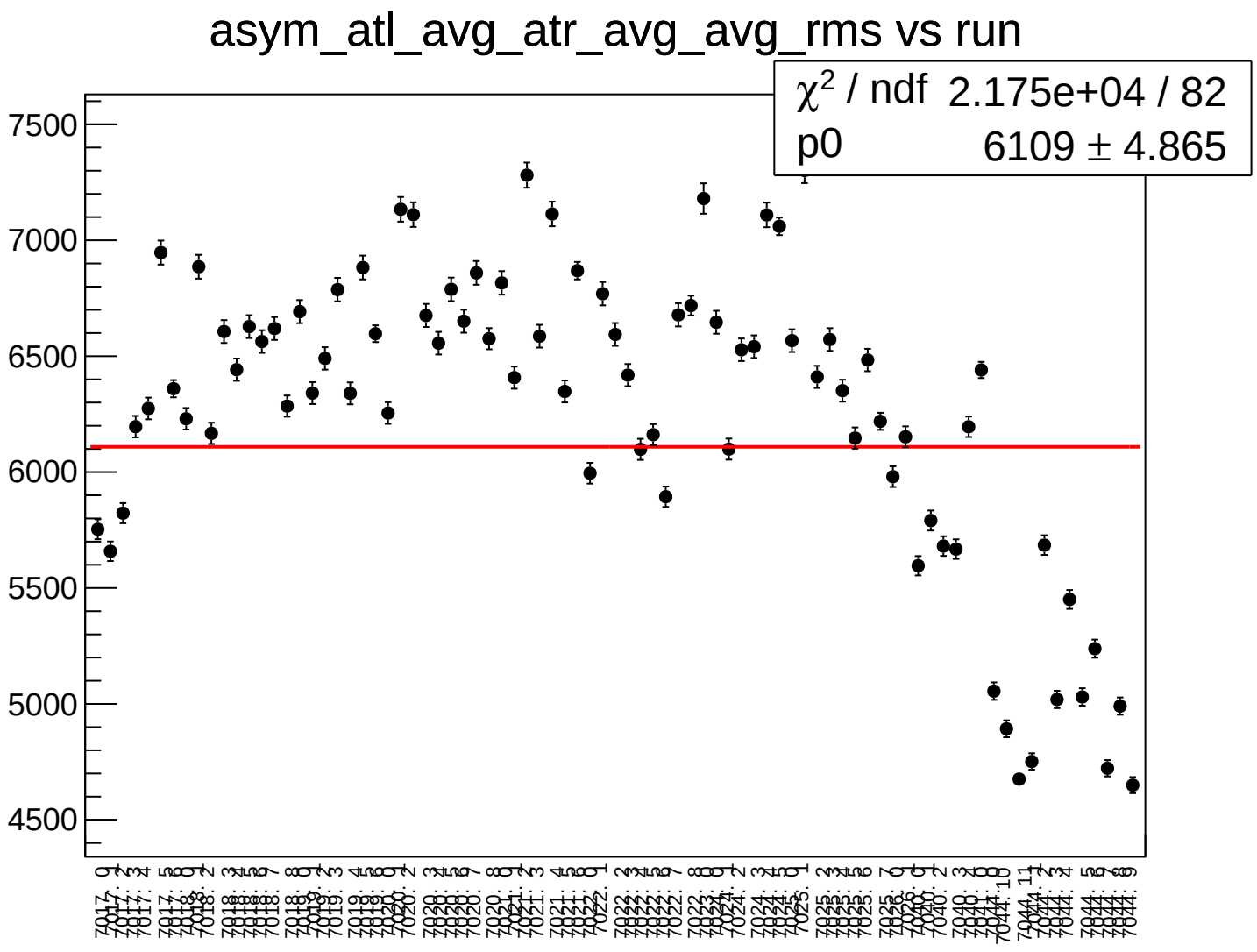

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 74.92 / 82
p0 −1.189e+04 ± 6816
pull
Entries 83
Mean 236.7
Std Dev 225.8

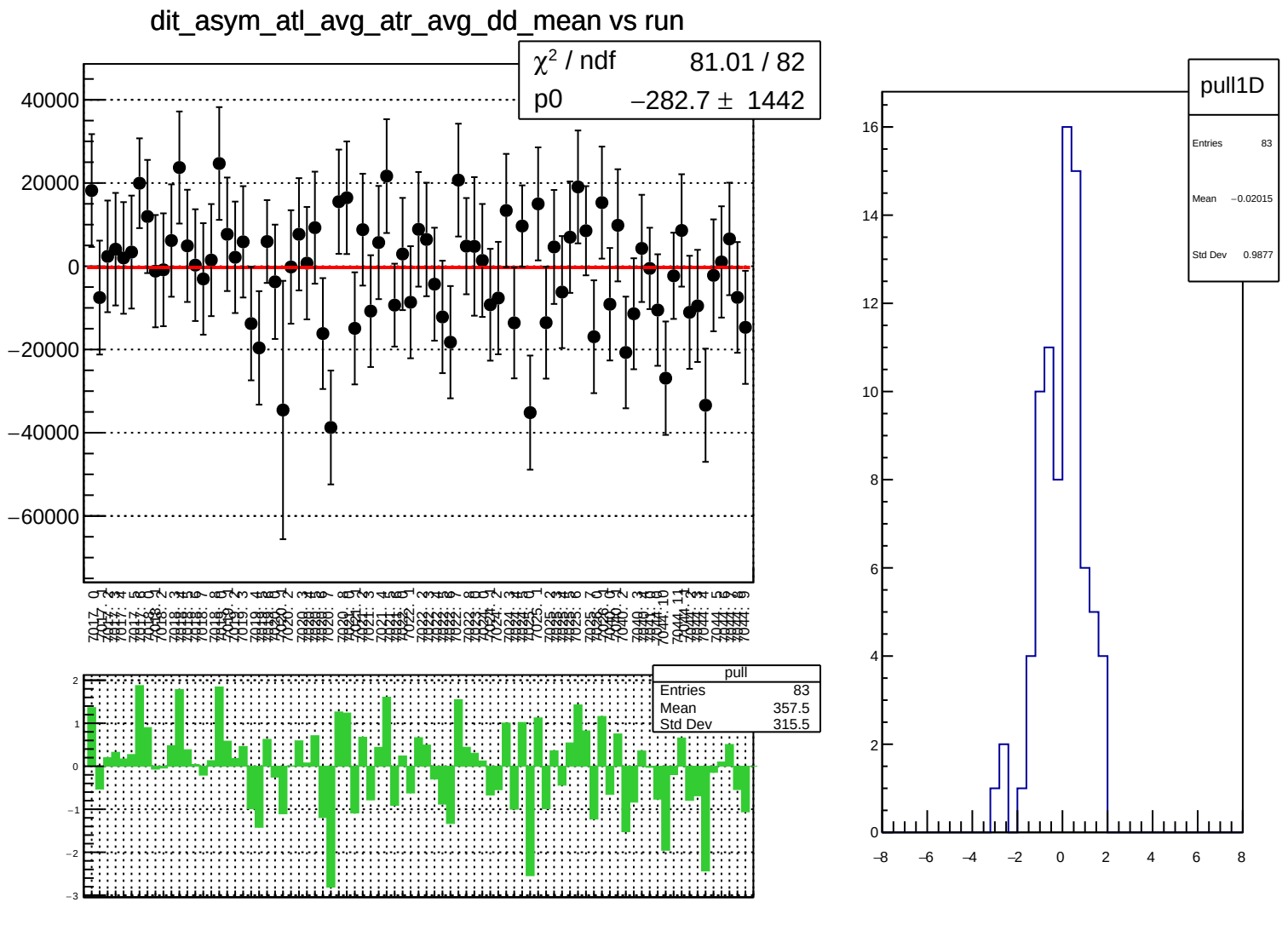

pull1D
Entries 83
Mean −0.005919
Std Dev 0.9501

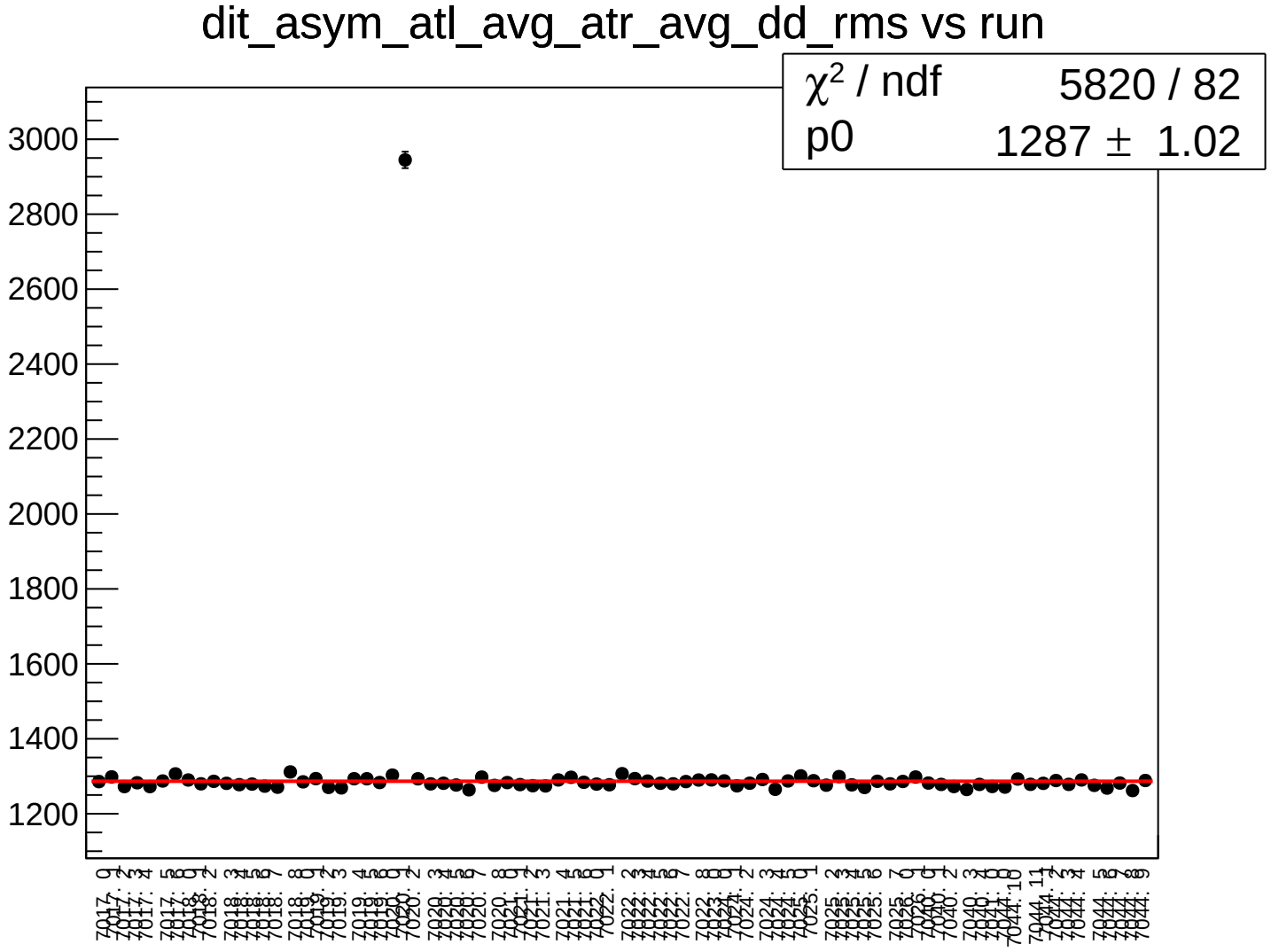

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 1.908e+04 / 82
p0 6057 ± 4.82
7500
7000
6500
6000
5500
5000
4500

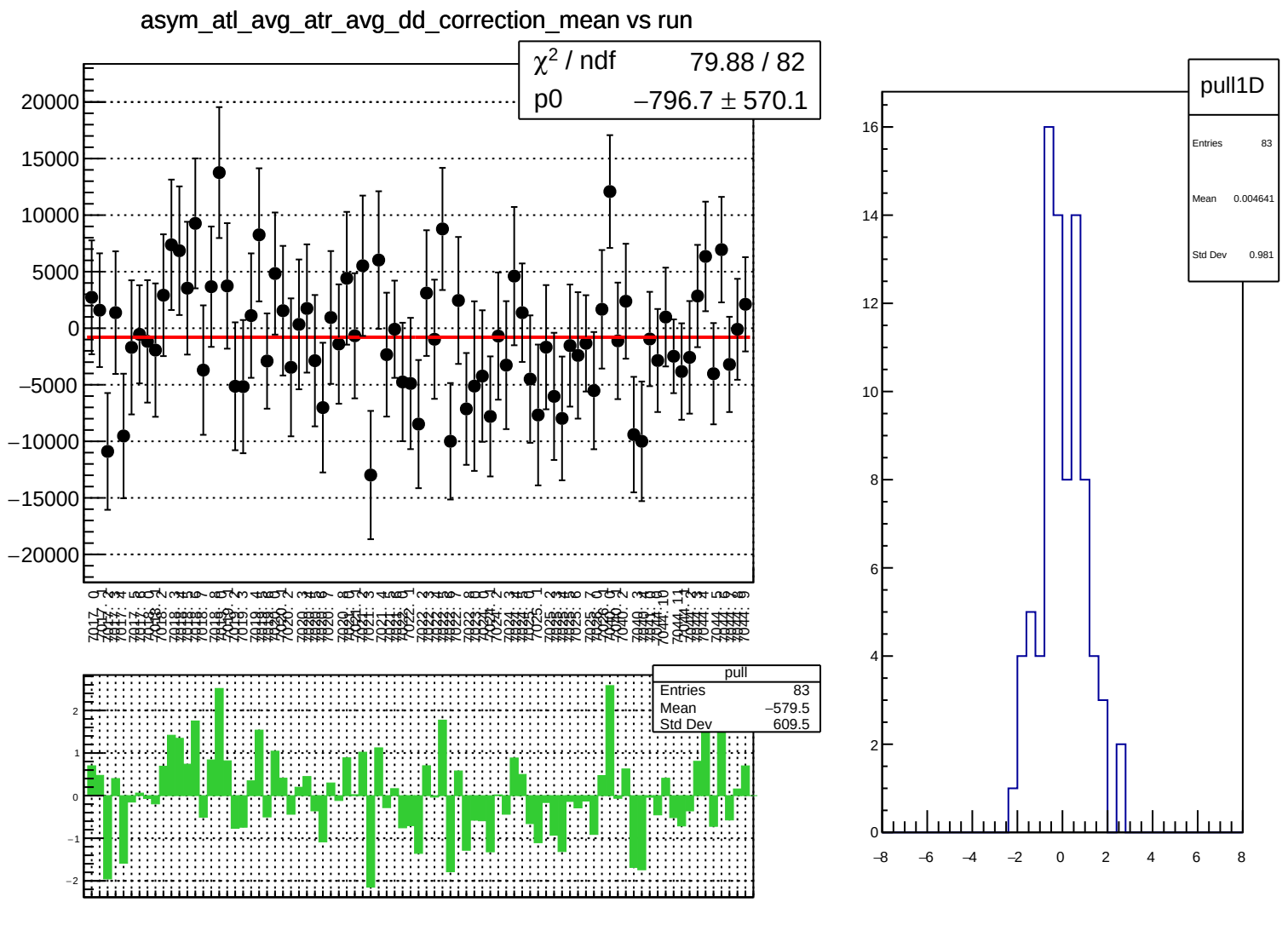

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 79.11 / 82
p0 7727 ± 6881
pull
Entries 83
Mean 330.7
Std Dev 318.7

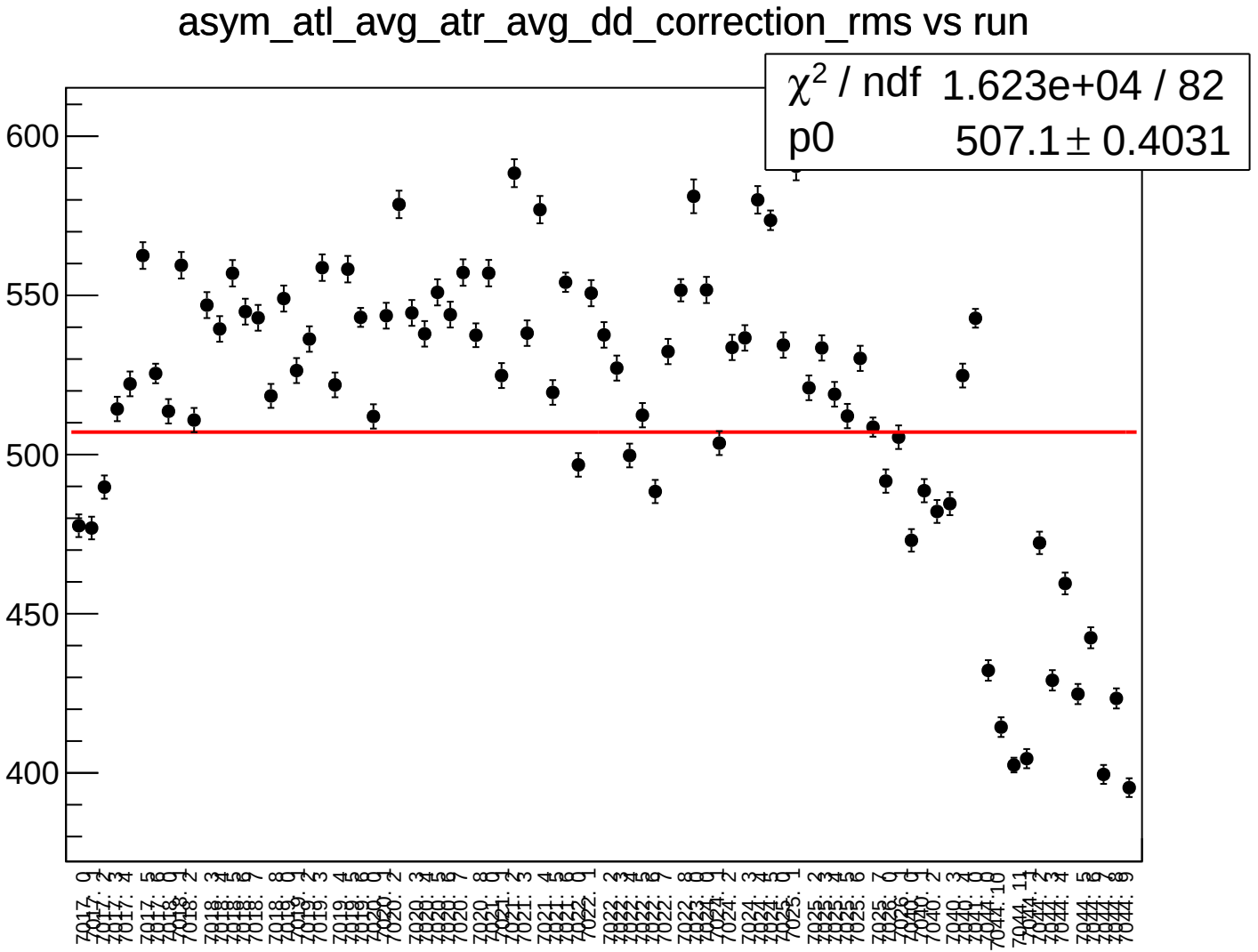

pull1D
Entries 83
Mean 0.003722
Std Dev 0.9763

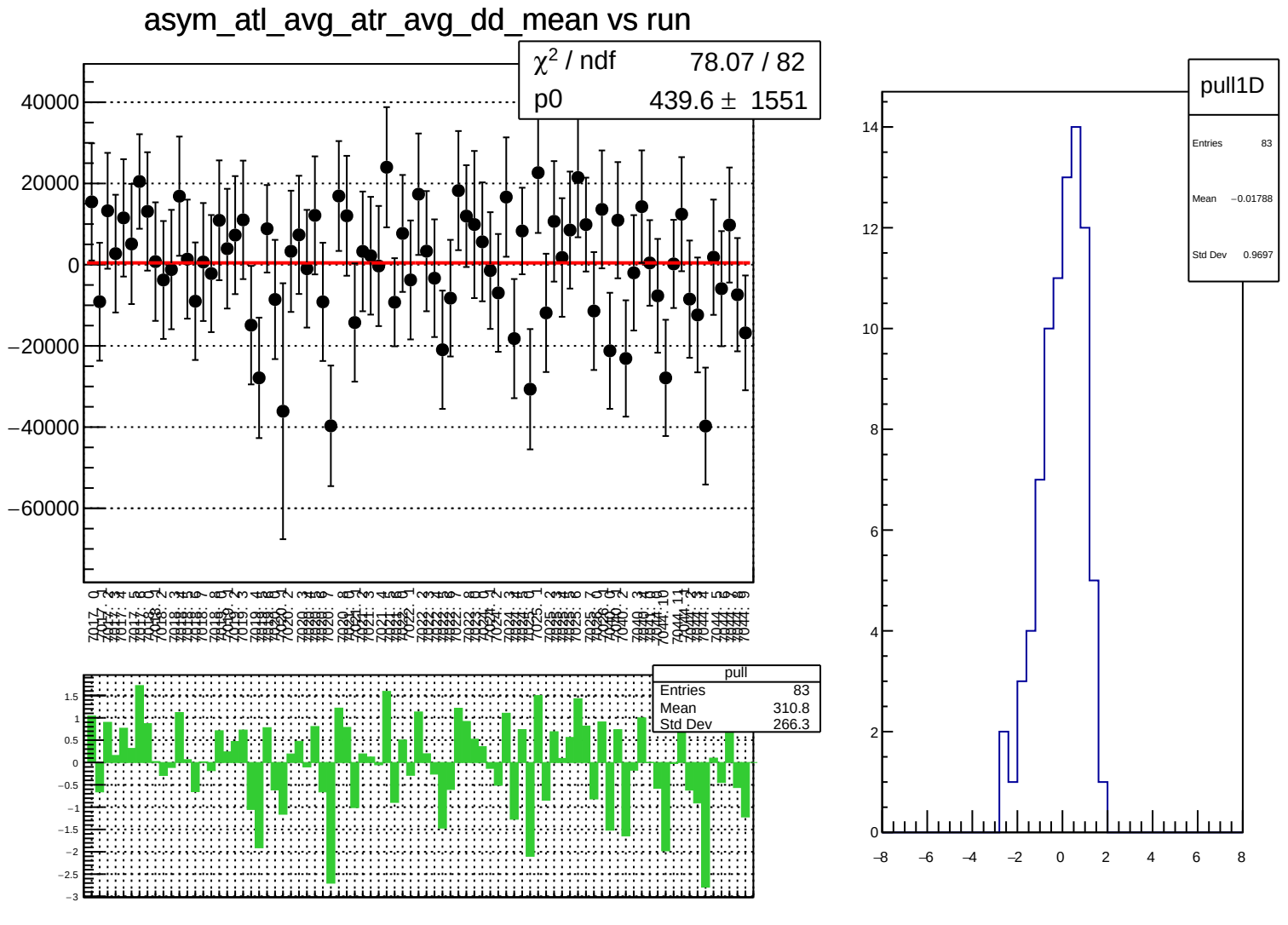

asym_atl_avg_atr_avg_avg_rms vs run
χ2 / ndf 2.175e+04 / 82
p0 6109 ± 4.865
7500
7000
6500
6000
5500
5000
4500

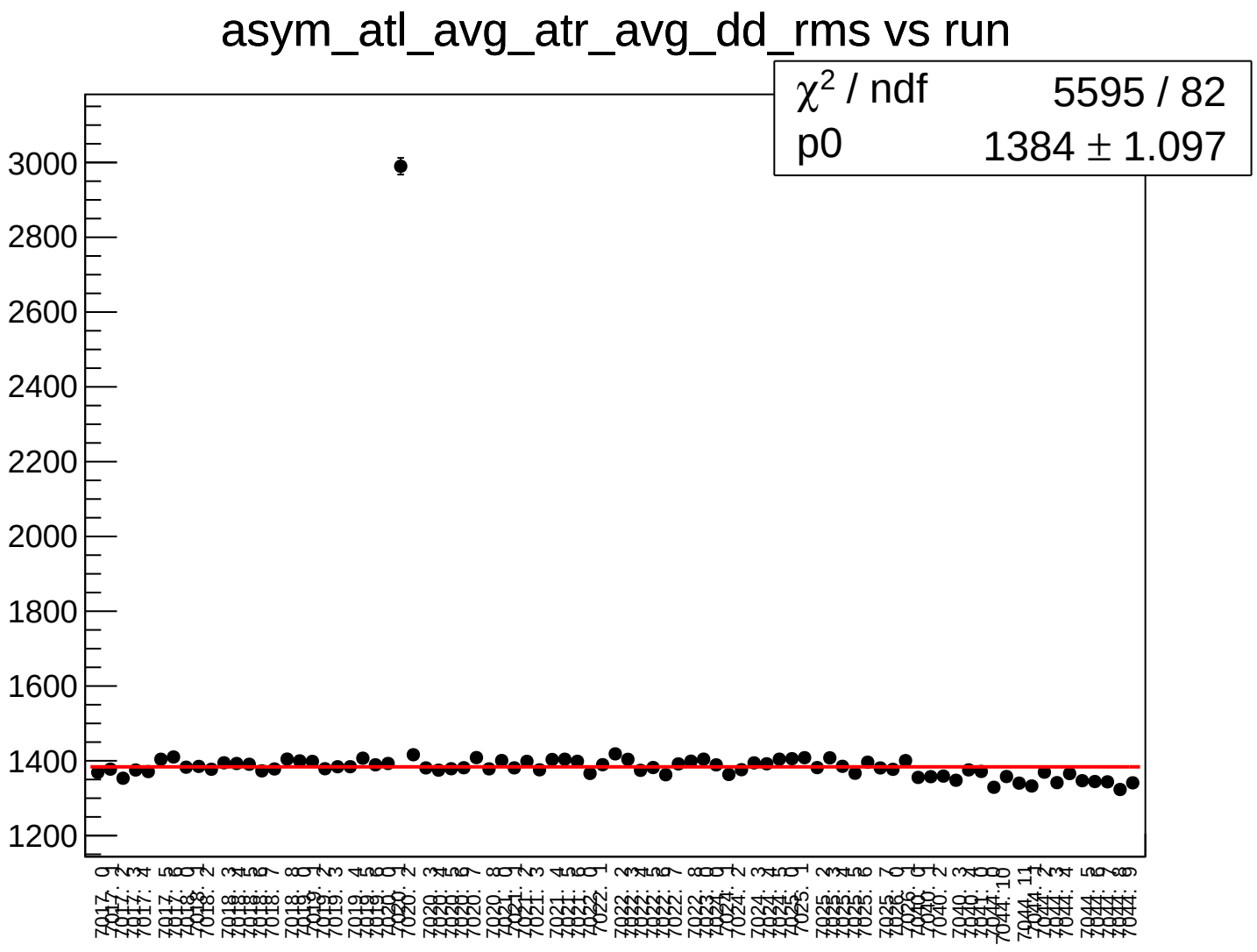

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 81.01 / 82
p0 −282.7 ± 1442
pull
Entries 83
Mean 357.5
Std Dev 315.5
pull1D
Entries 83
Mean −0.02015
Std Dev 0.9877

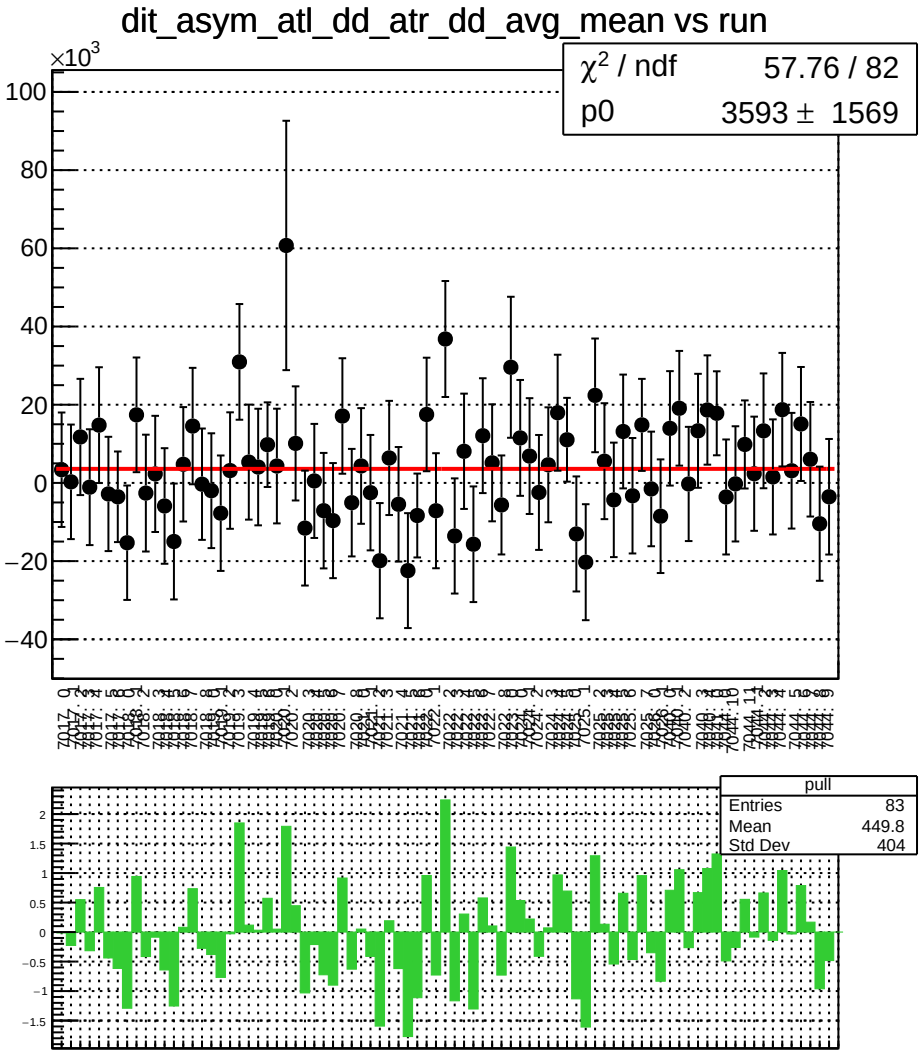

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5820 / 82
p0 1287 ± 1.02
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

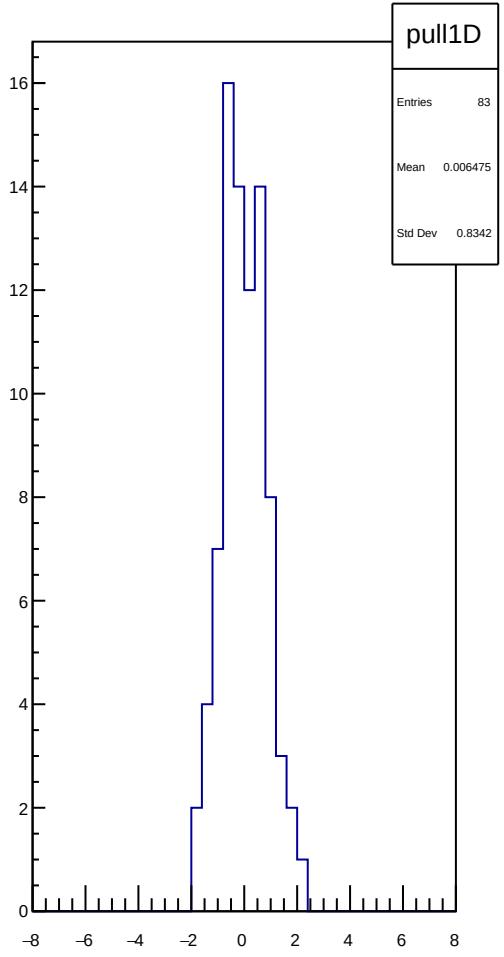

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 79.88 / 82
p0 −796.7 ± 570.1
pull
Entries 83
Mean −579.5
Std Dev 609.5
pull1D
Entries 83
Mean 0.004641
Std Dev 0.981


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 1.623e+04 / 82
p0 507.1 ± 0.4031
600
550
500
450
400

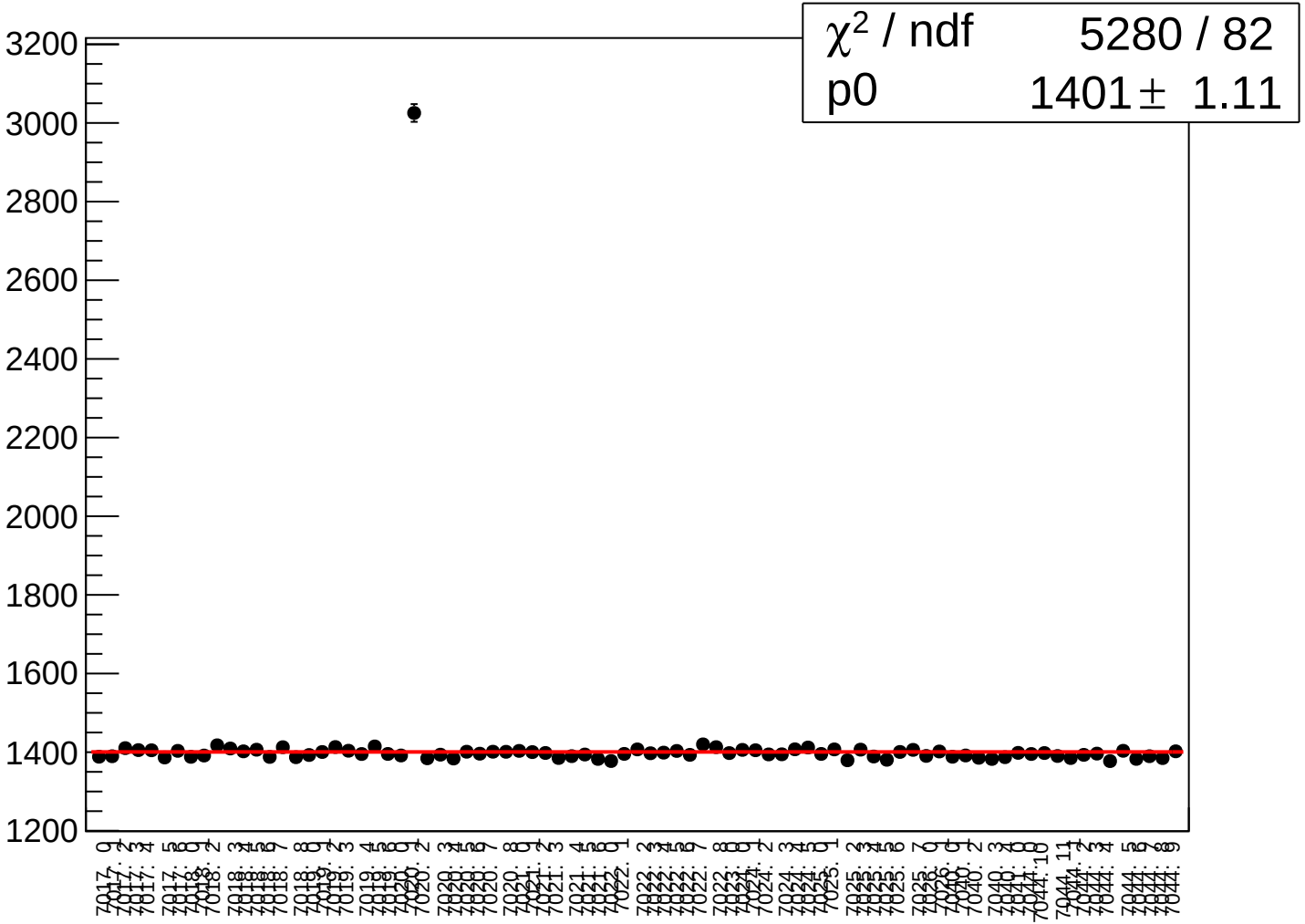

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 78.07 / 82
p0 439.6 ± 1551
40000
20000
0
−20000
−40000
−60000
pull
Entries 83
Mean 310.8
Std Dev 266.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 83
Mean −0.01788
Std Dev 0.9697
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

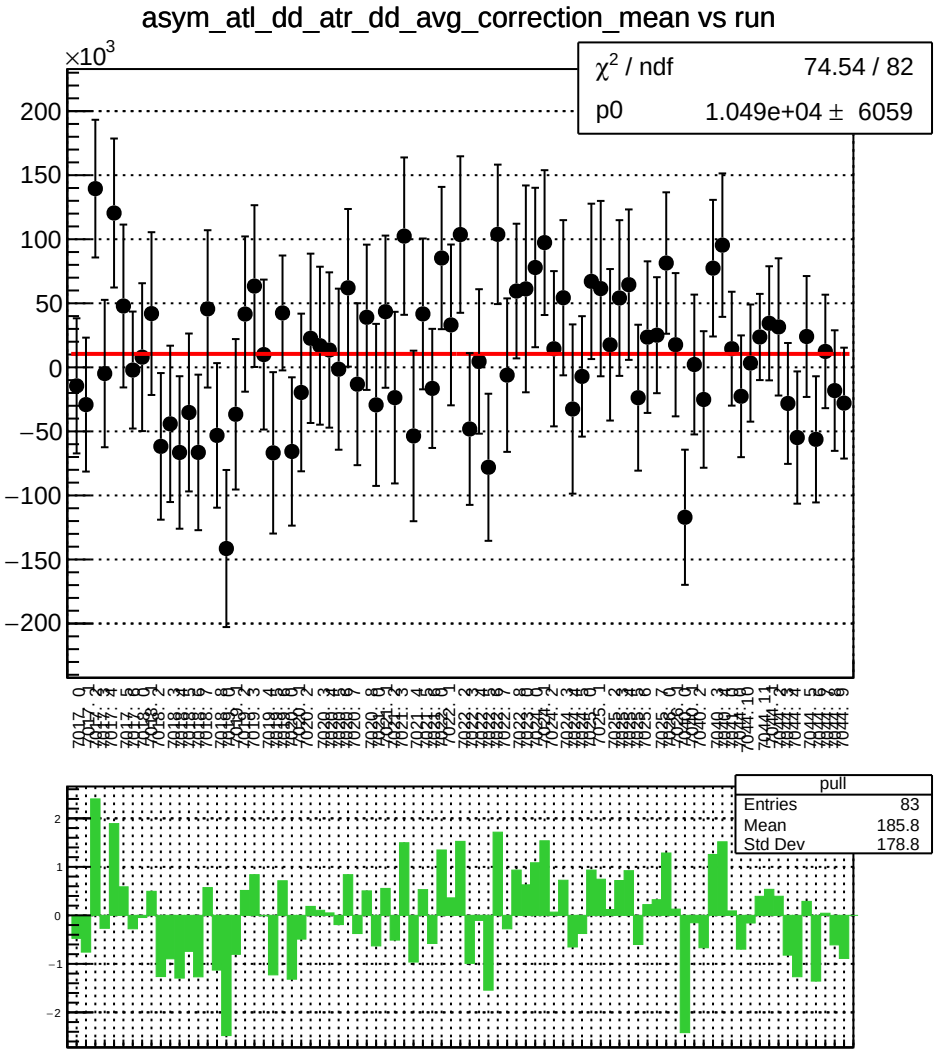

asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 5595 / 82
p0 1384 ± 1.097
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

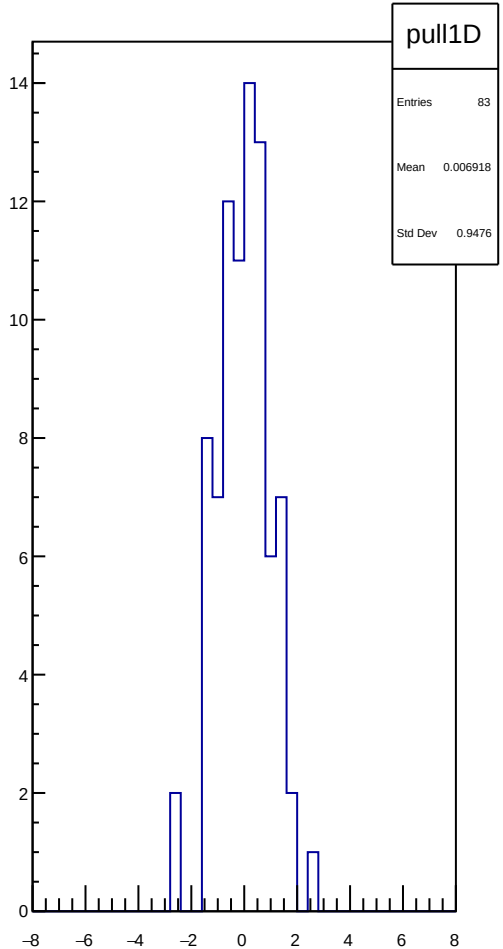

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 57.76 / 82
p0 3593 ± 1569
pull
Entries 83
Mean 449.8
Std Dev 404

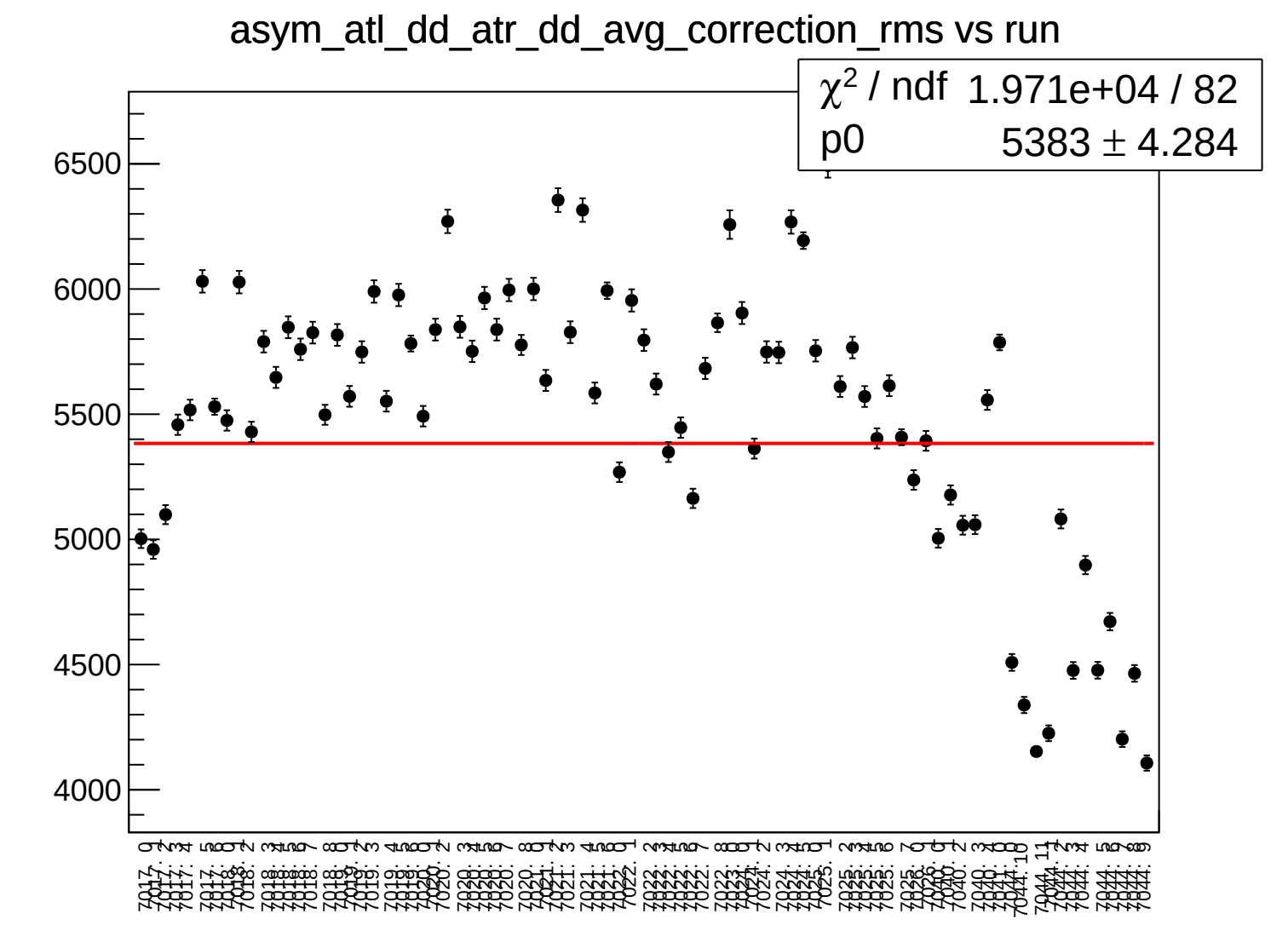

pull1D
Entries 83
Mean 0.006475
Std Dev 0.8342

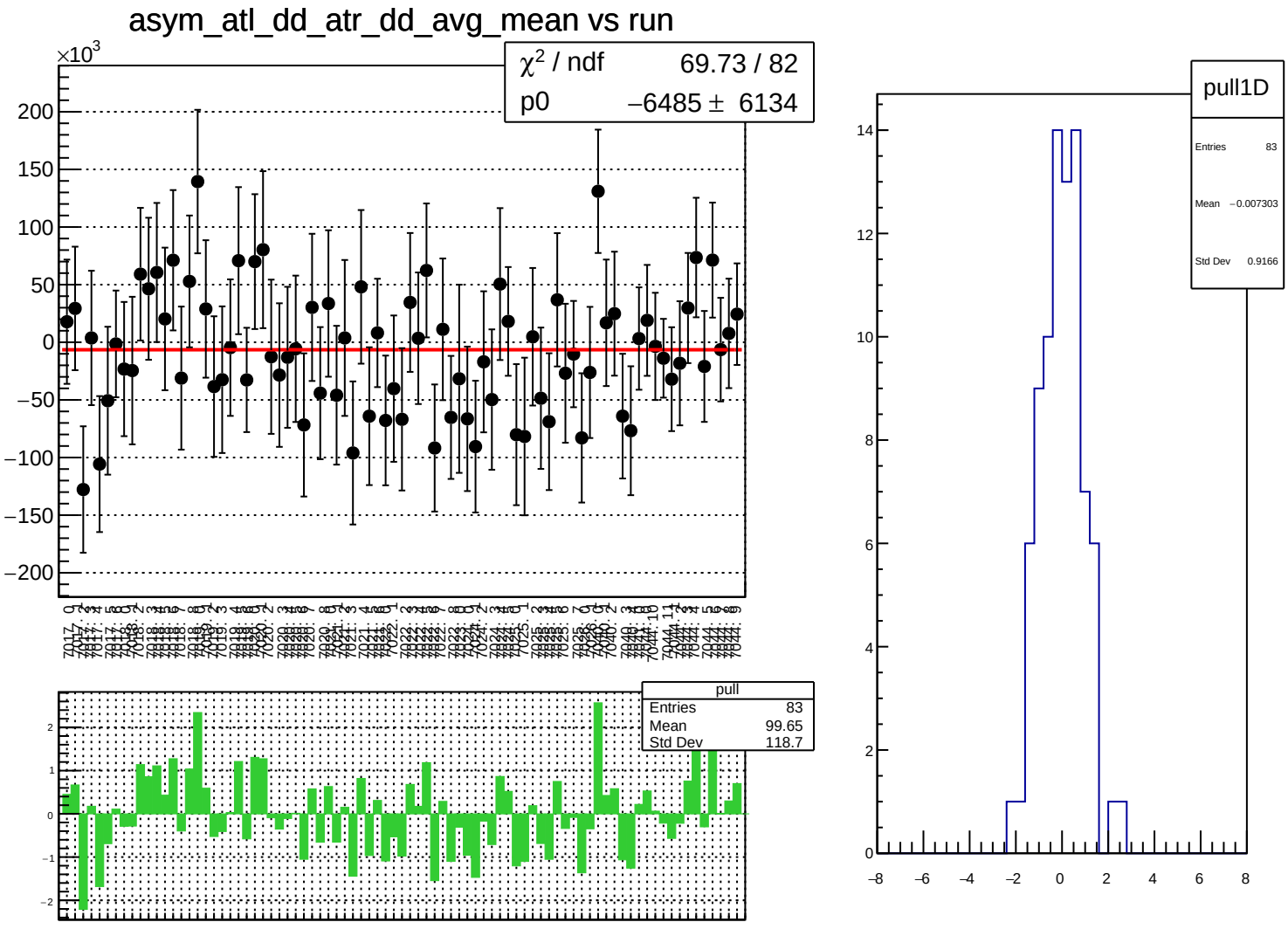
dit_asym_atl_dd_atr_dd_avg_rms vs run

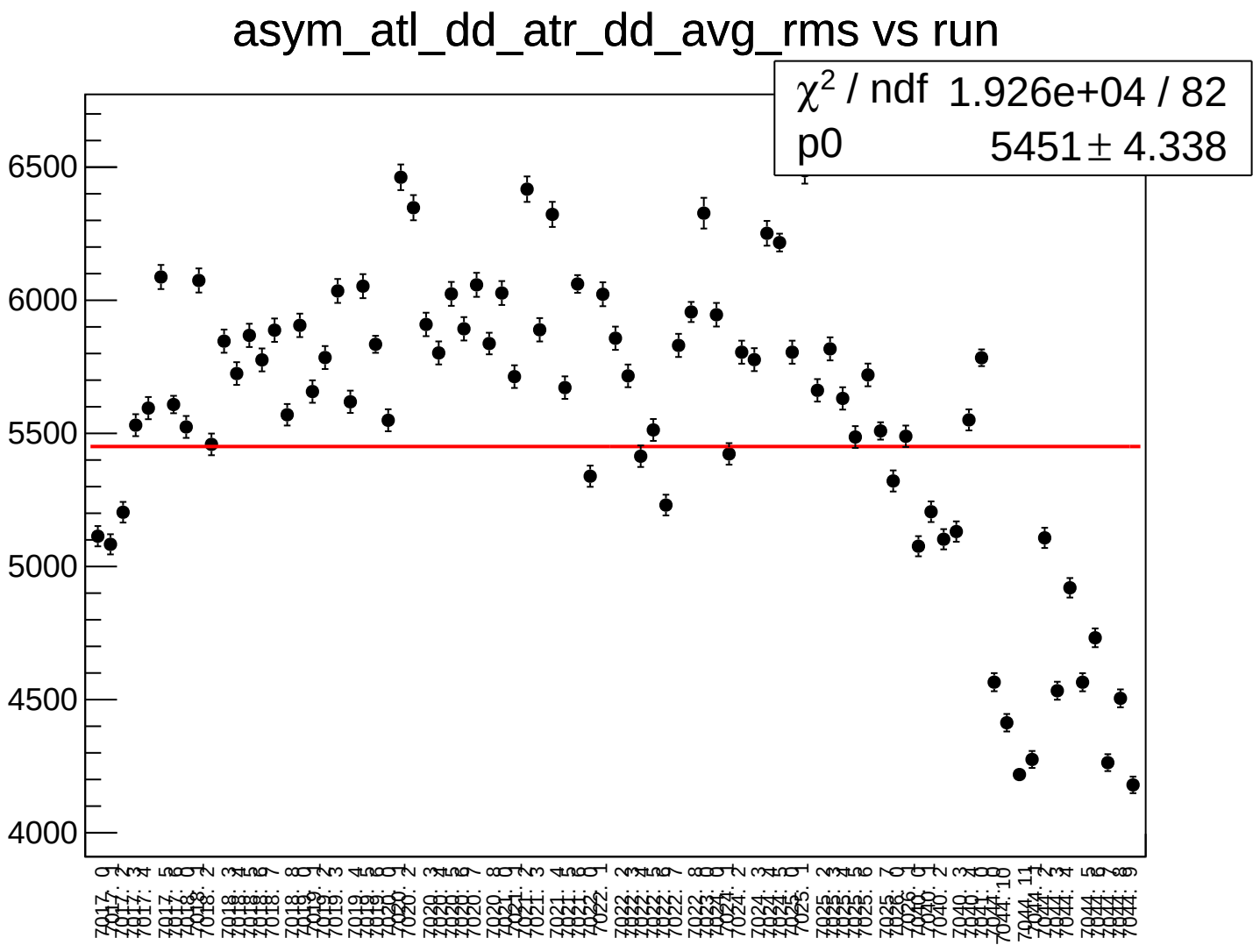


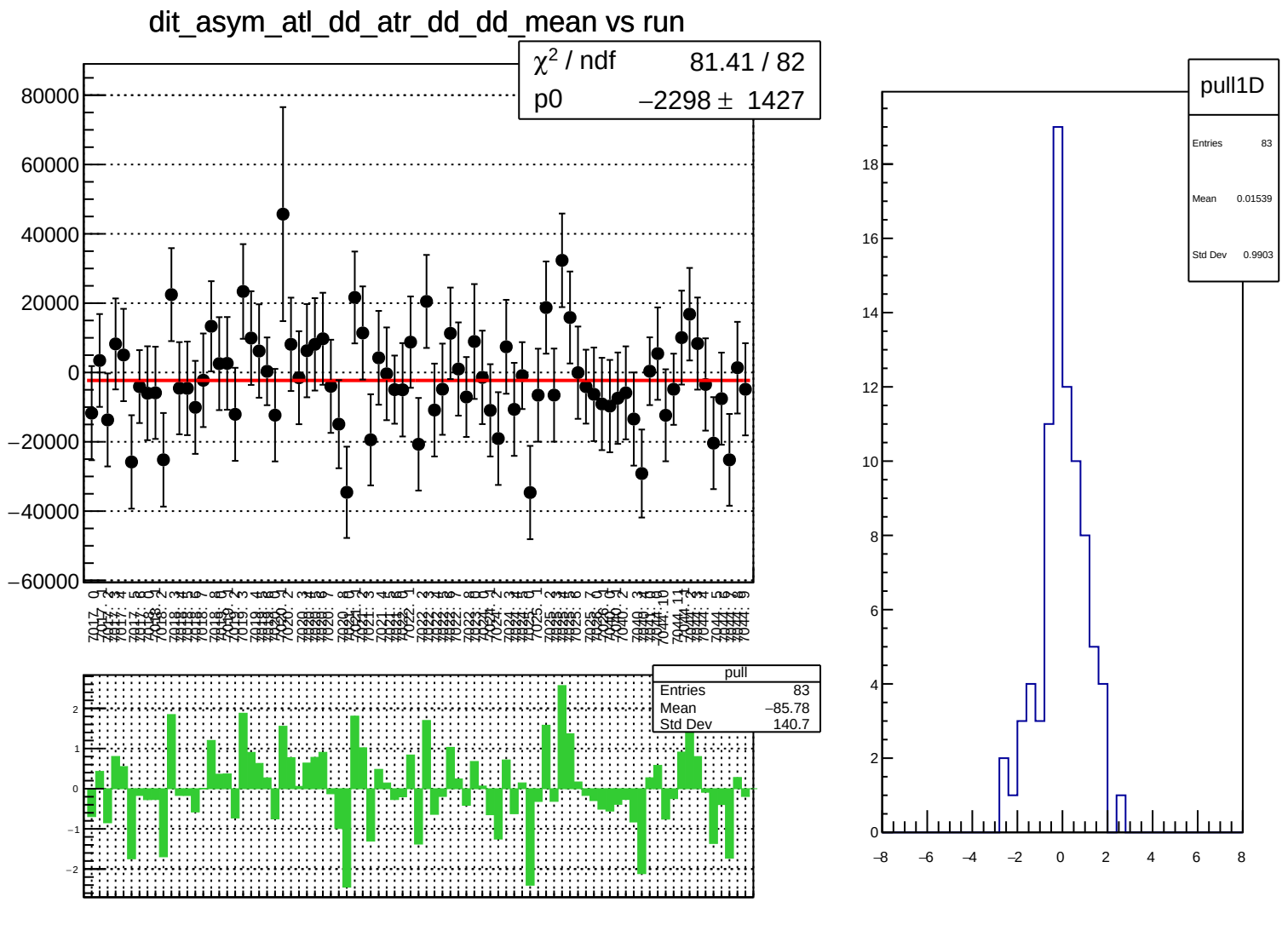

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 74.54 / 82
p0 1.049e+04 ± 6059
pull
Entries 83
Mean 185.8
Std Dev 178.8


pull1D
Entries 83
Mean 0.006918
Std Dev 0.9476

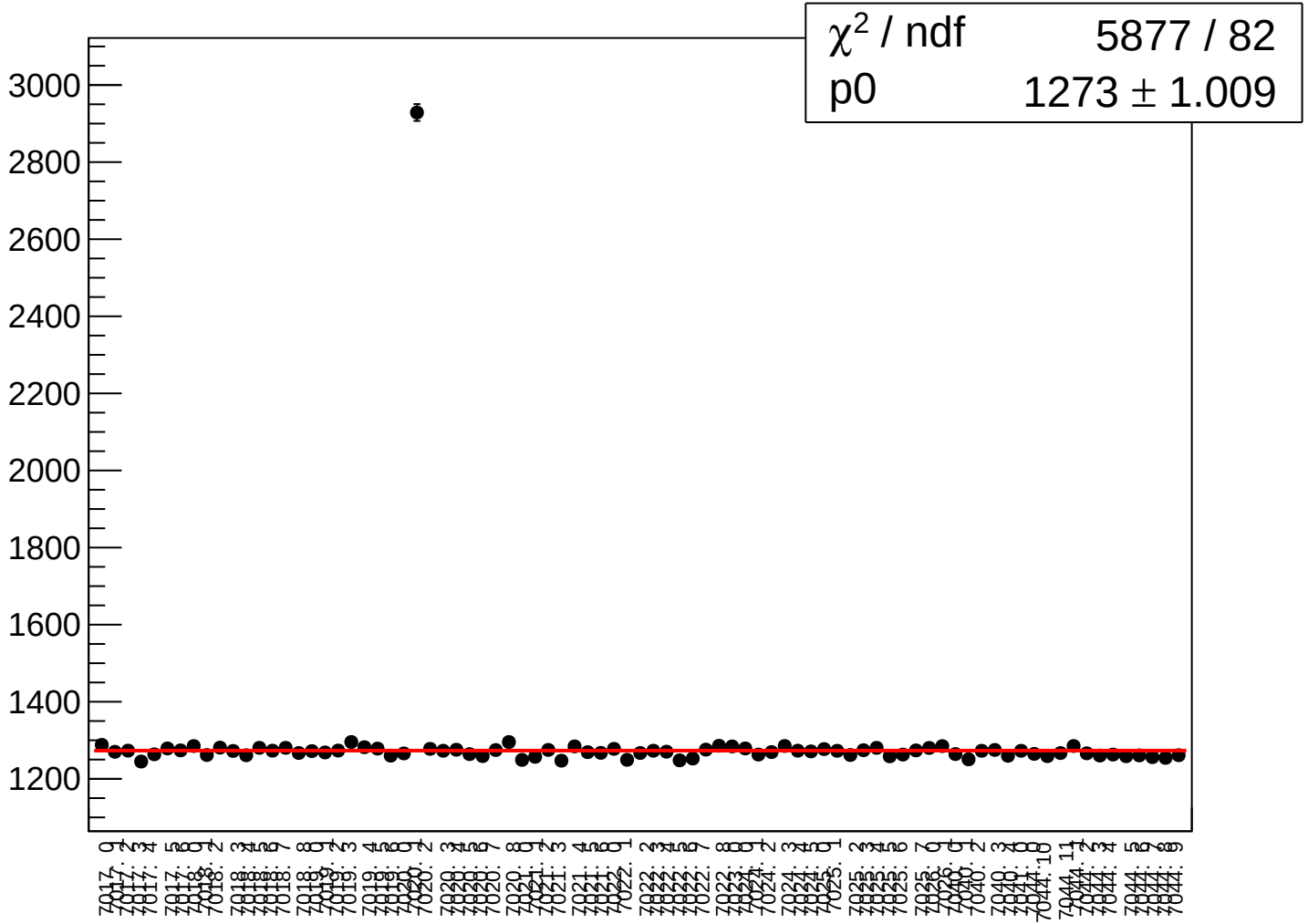

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.971e+04 / 82
p0 5383 ± 4.284
6500
6000
5500
5000
4500
4000

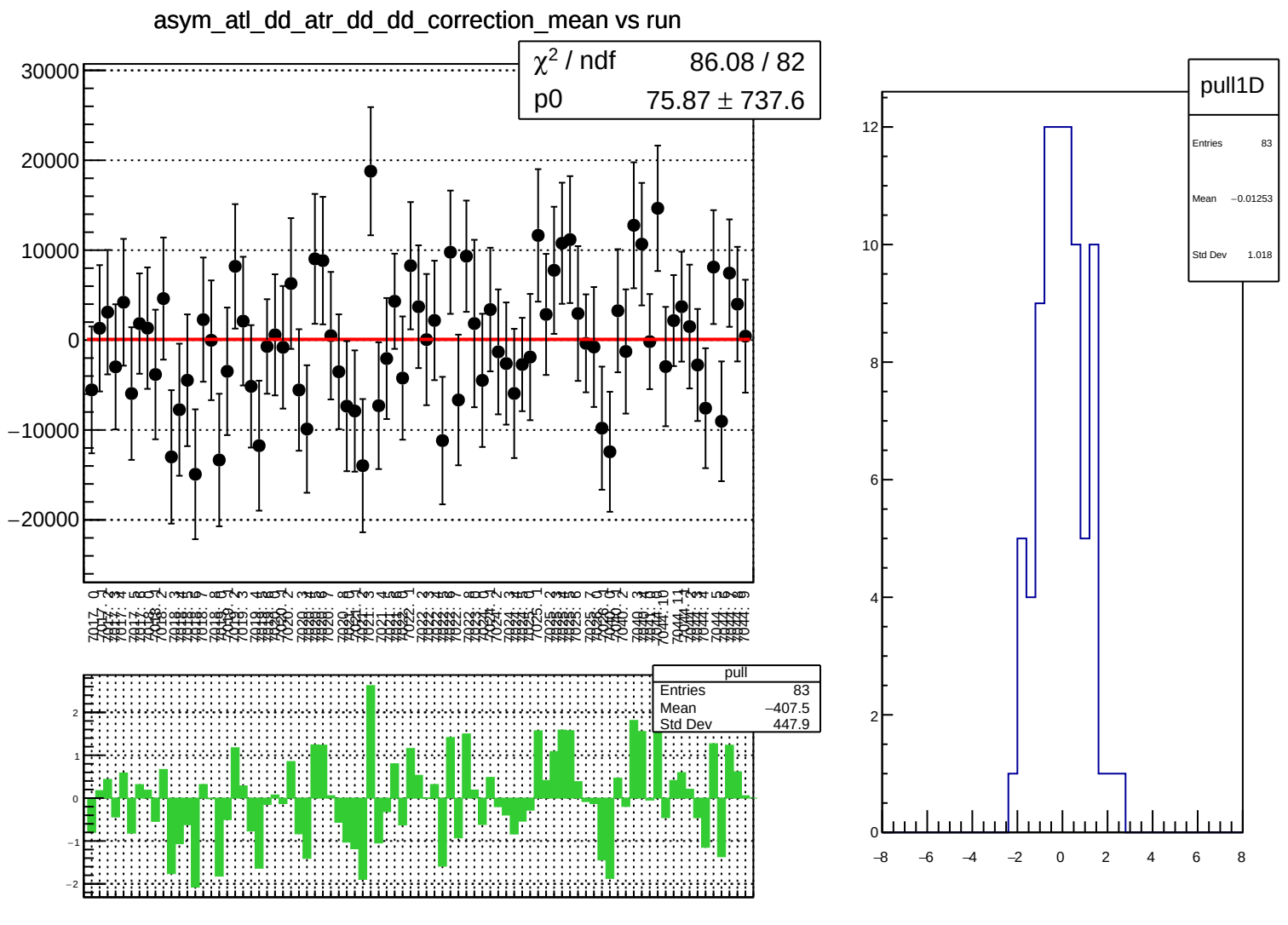

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 69.73 / 82
p0 −6485 ± 6134
pull
Entries 83
Mean 99.65
Std Dev 118.7
pull1D
Entries 83
Mean −0.007303
Std Dev 0.9166

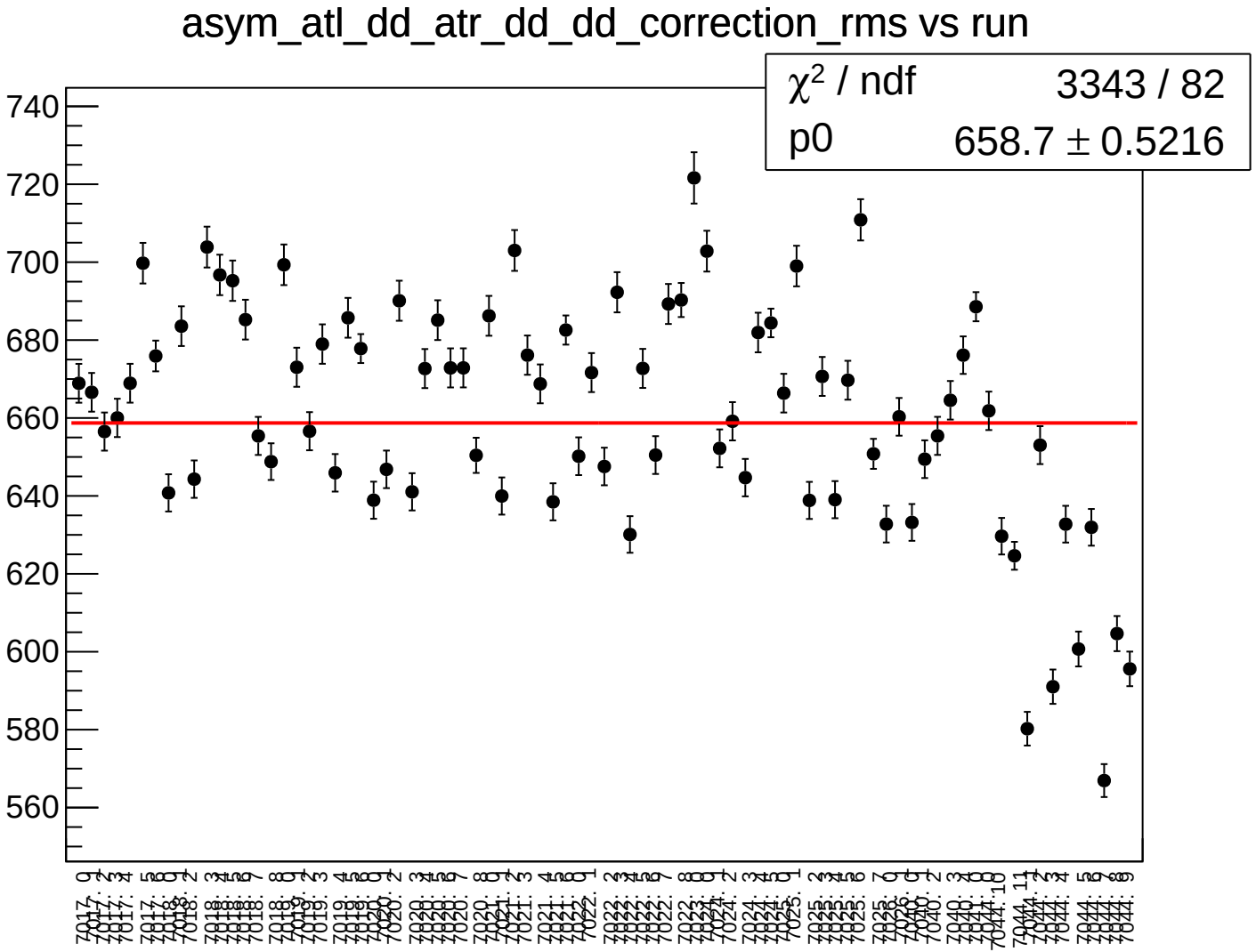

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.926e+04 / 82
p0 5451 ± 4.338
6500
6000
5500
5000
4500
4000

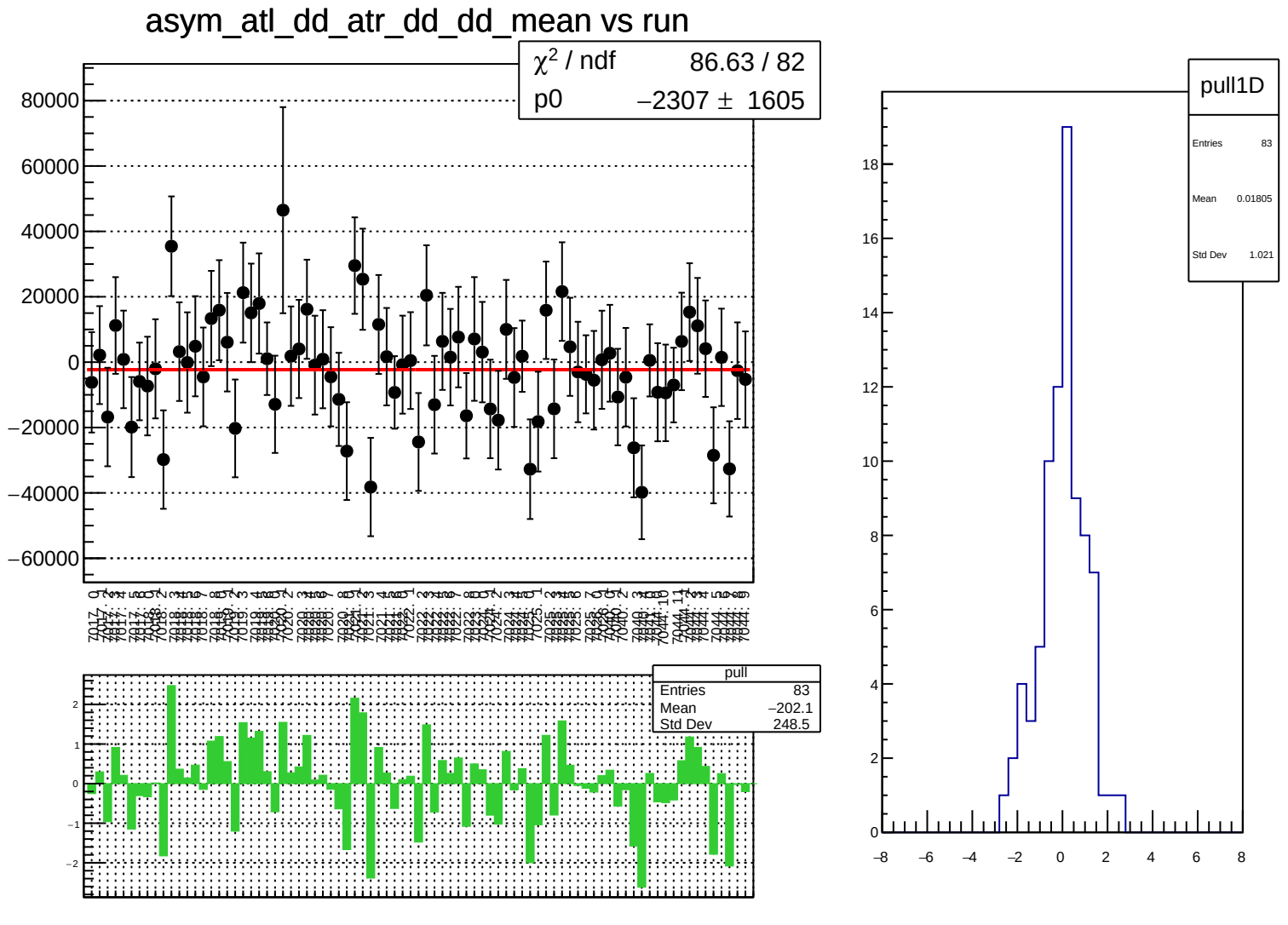

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 81.41 / 82
p0 −2298 ± 1427
pull
Entries 83
Mean −85.78
Std Dev 140.7
pull1D
Entries 83
Mean 0.01539
Std Dev 0.9903

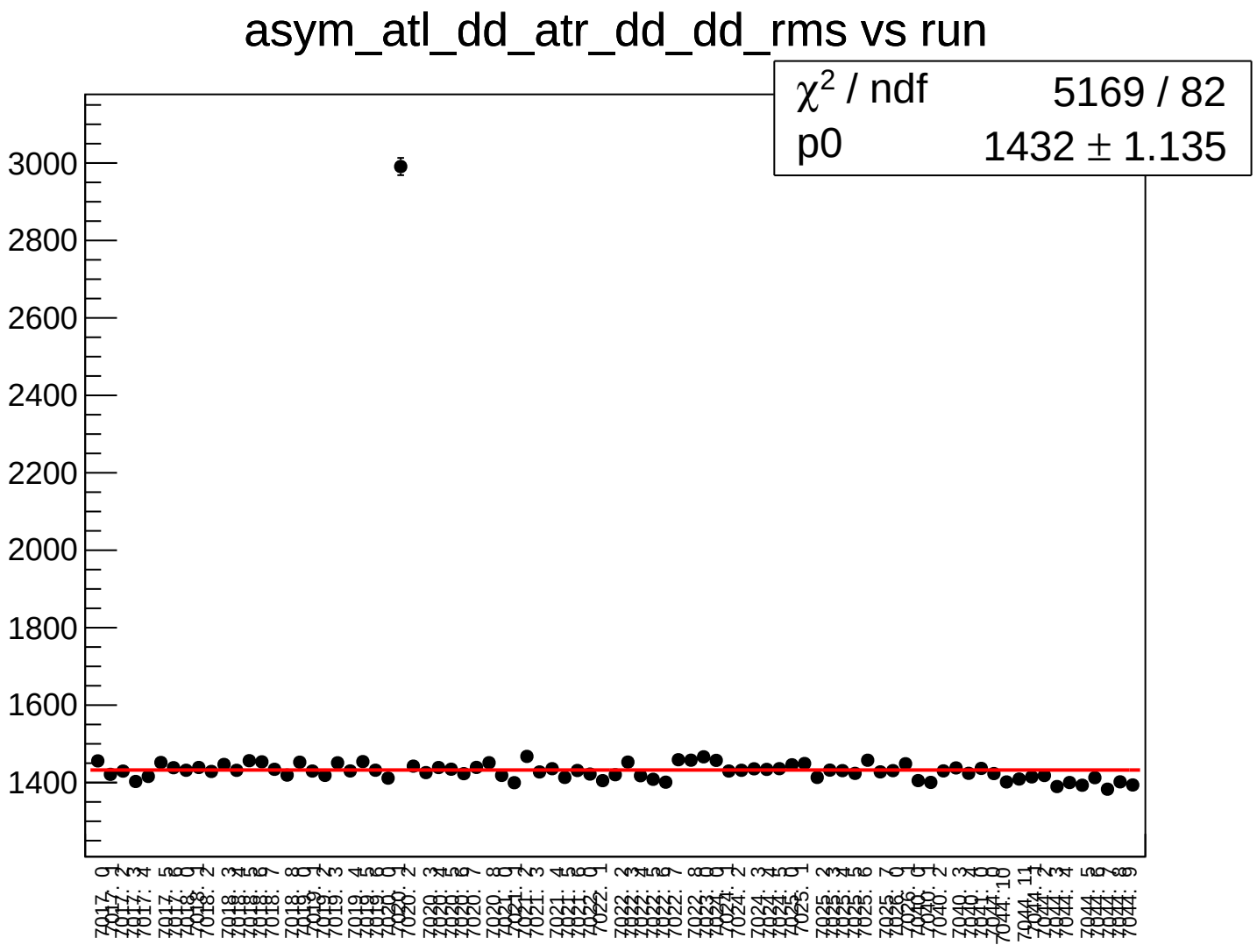
dit_asym_atl_dd_atr_dd_dd_rms vs run

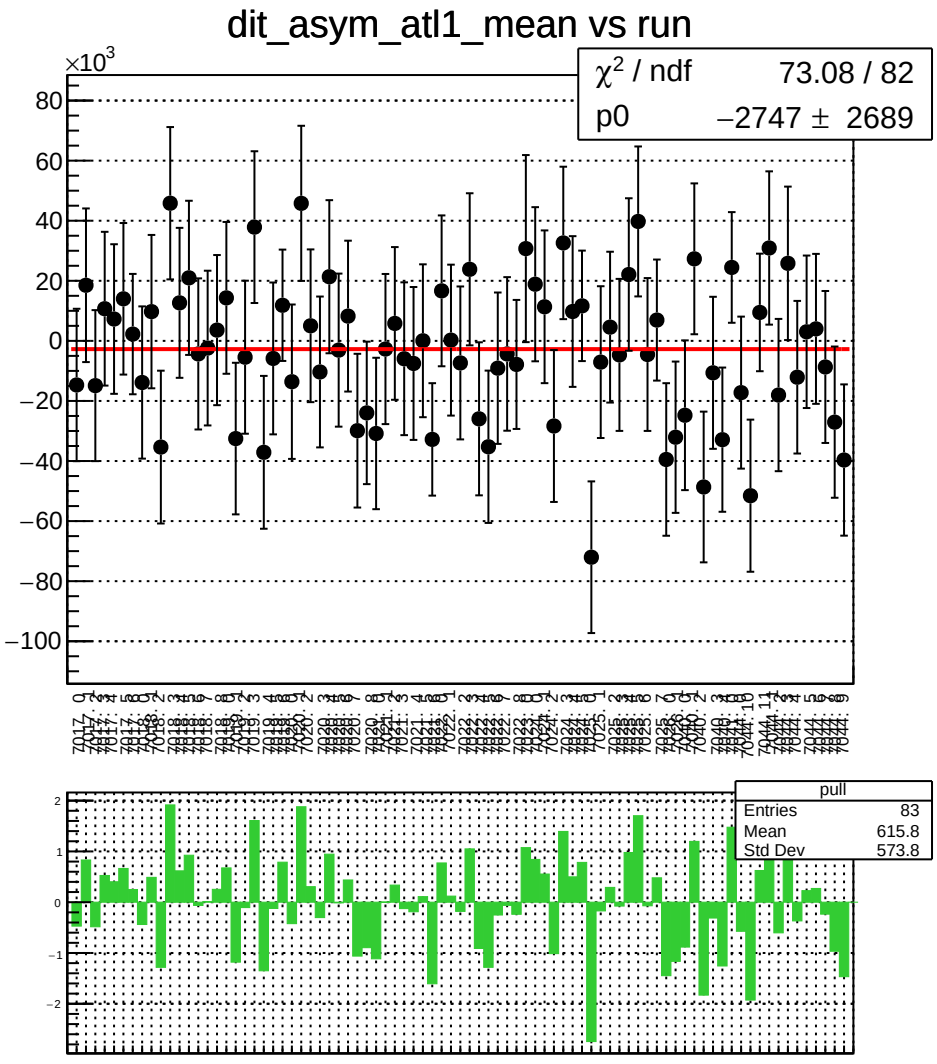


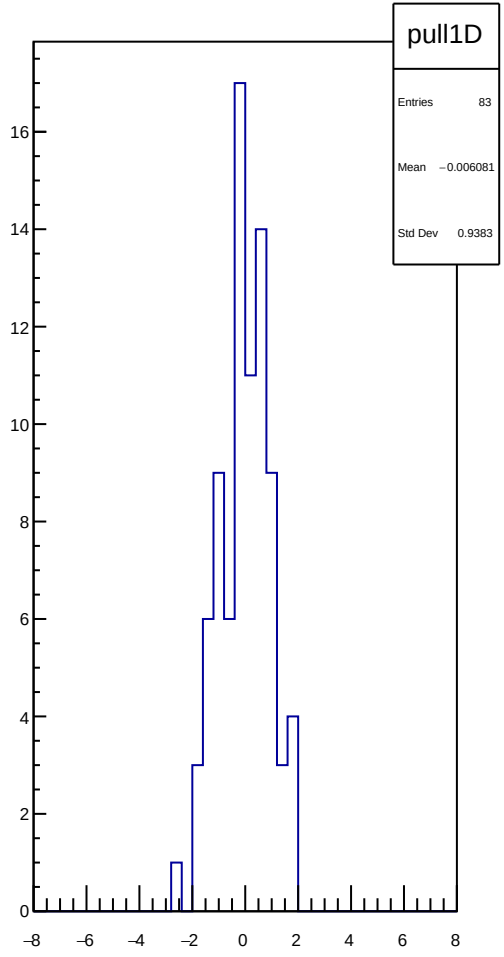

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 86.08 / 82
p0 75.87 ± 737.6
pull
Entries 83
Mean −407.5
Std Dev 447.9
pull1D
Entries 83
Mean −0.01253
Std Dev 1.018

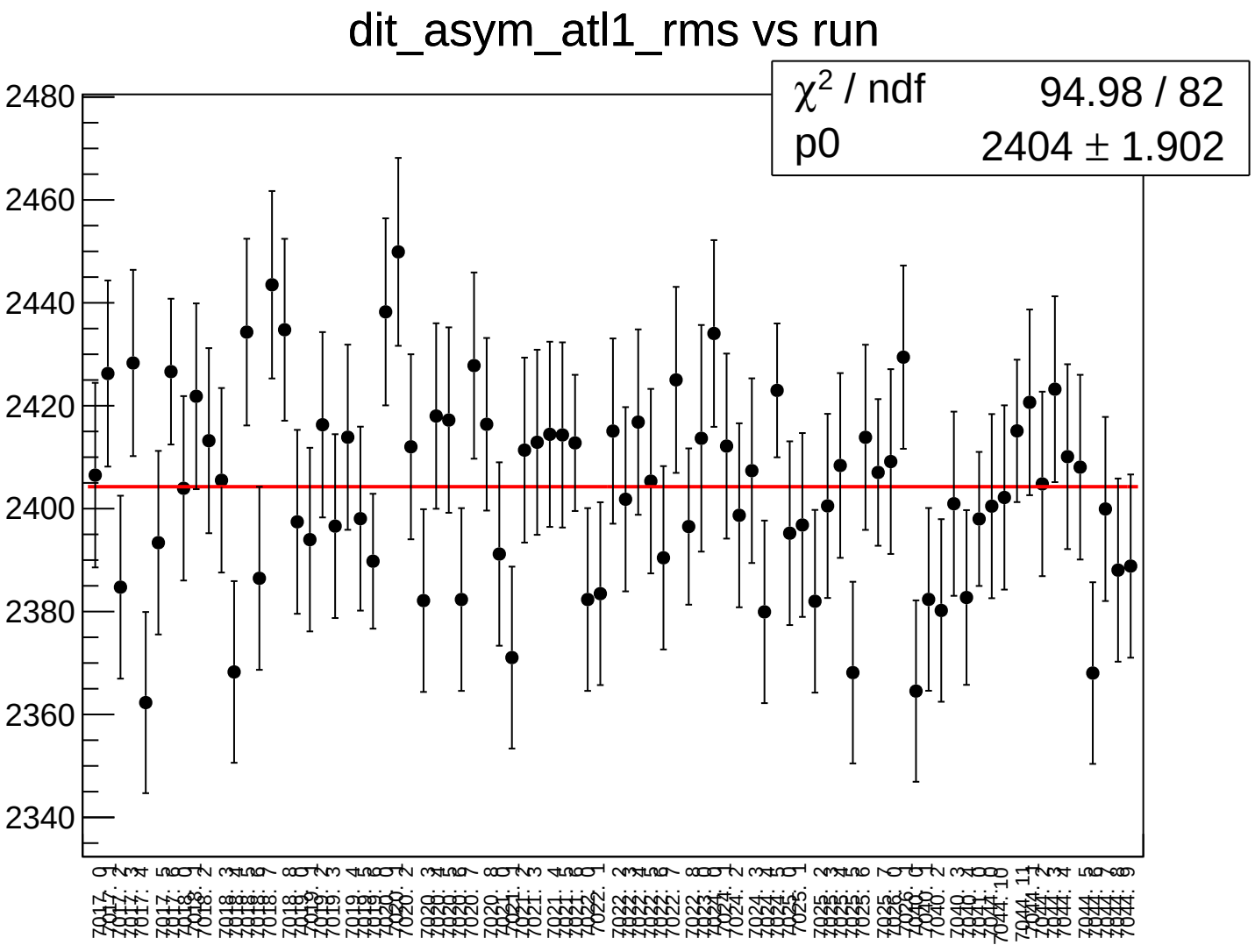

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3343 / 82
p0 658.7 ± 0.5216
740
720
700
680
660
640
620
600
580
560

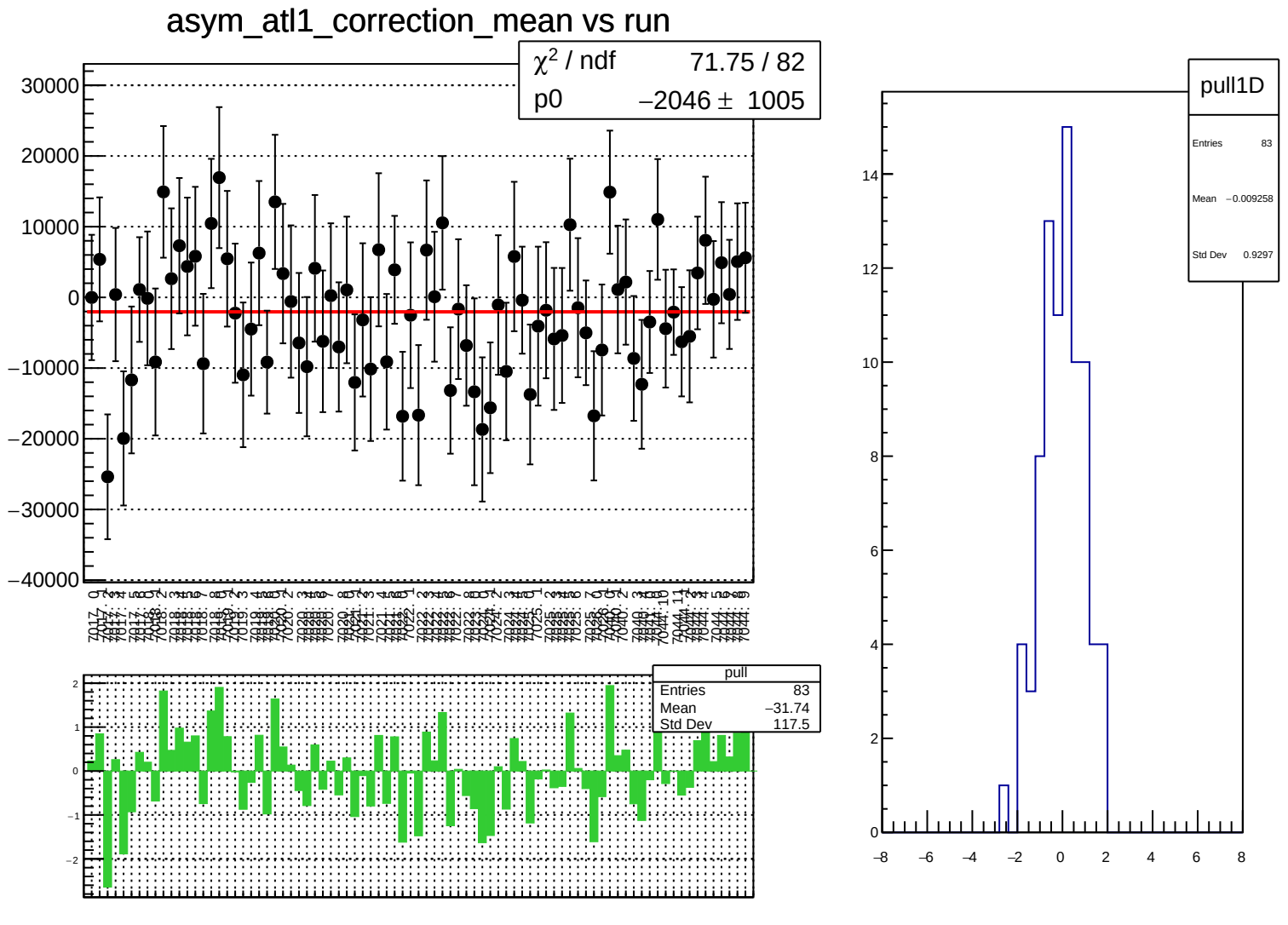

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 86.63 / 82
p0 −2307 ± 1605
pull
Entries 83
Mean −202.1
Std Dev 248.5
pull1D
Entries 83
Mean 0.01805
Std Dev 1.021

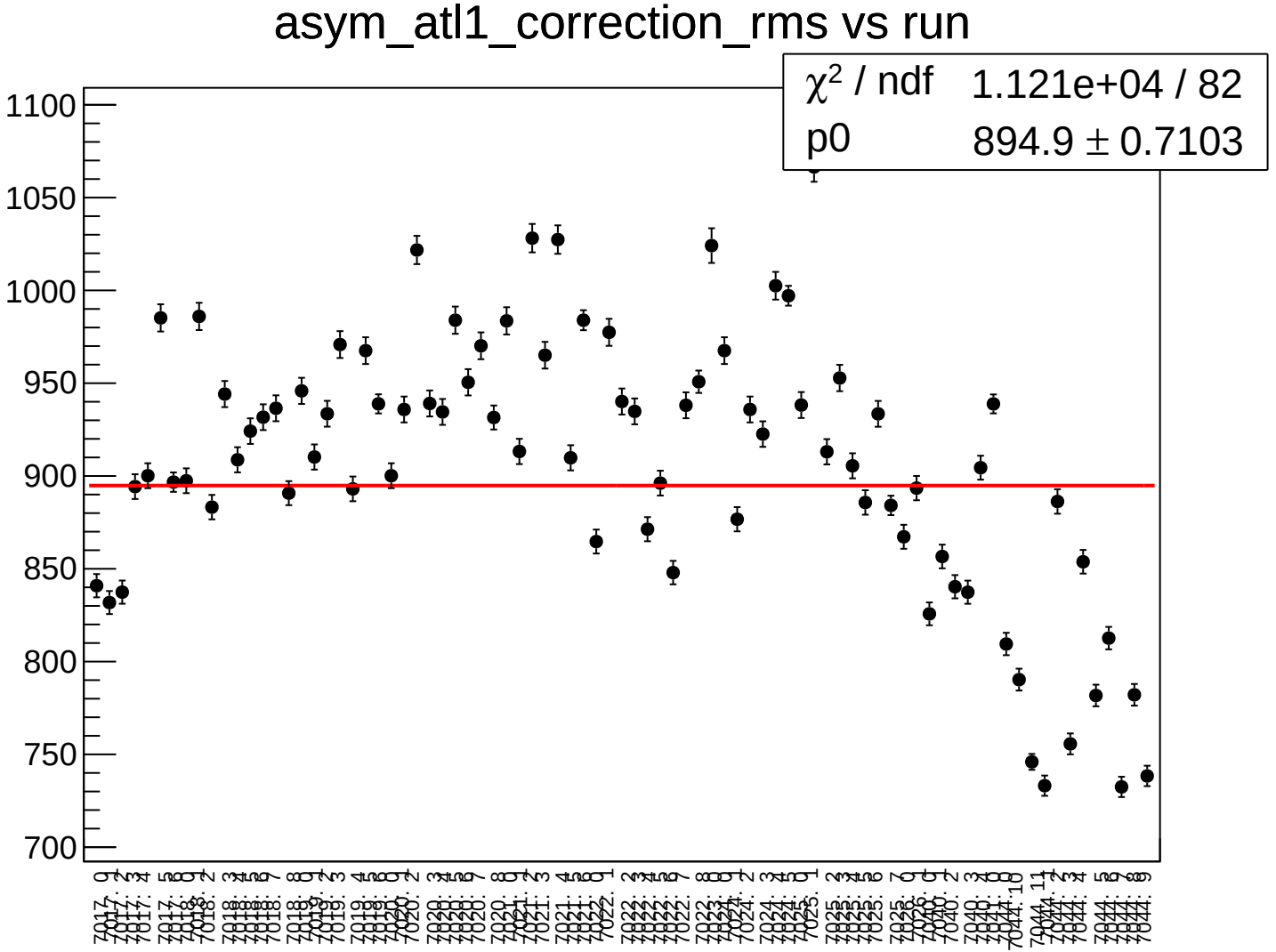

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 5169 / 82
p0 1432 ± 1.135
3000
2800
2600
2400
2200
2000
1800
1600
1400

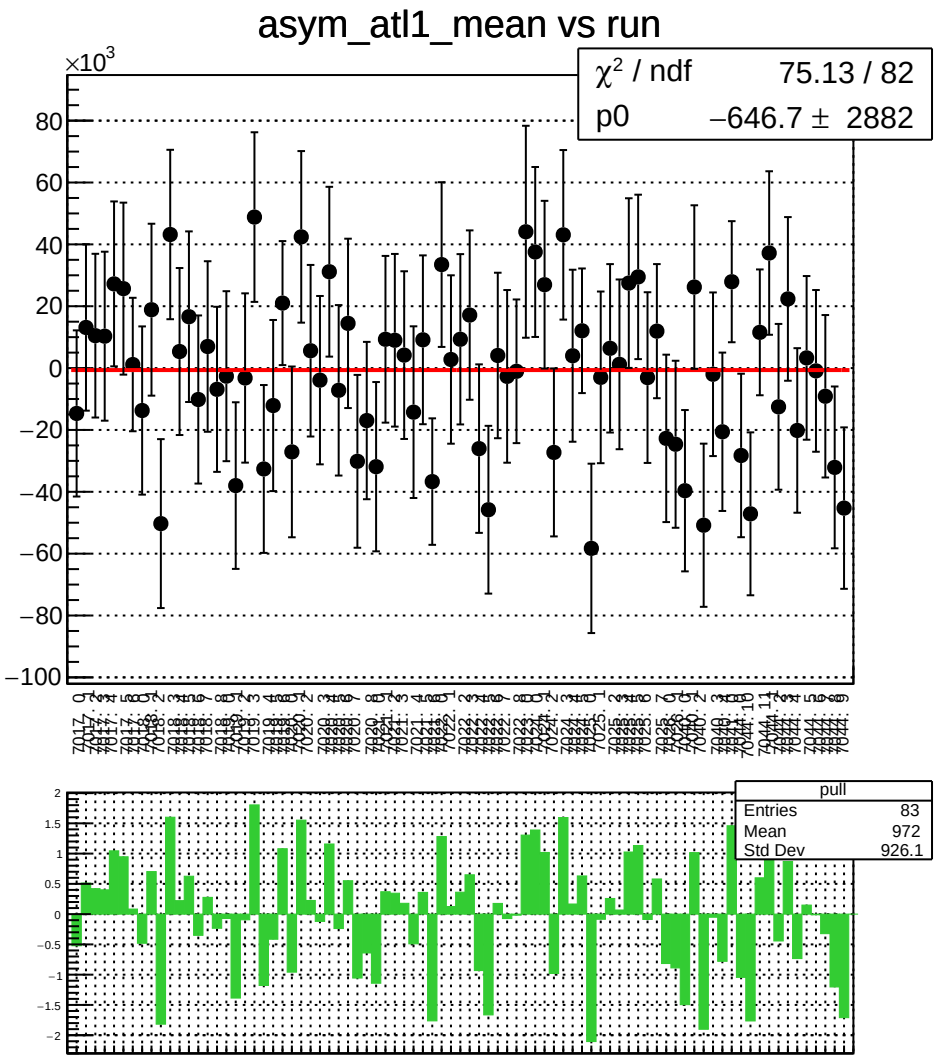

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 73.08 / 82
p0 −2747 ± 2689
pull
Entries 83
Mean 615.8
Std Dev 573.8

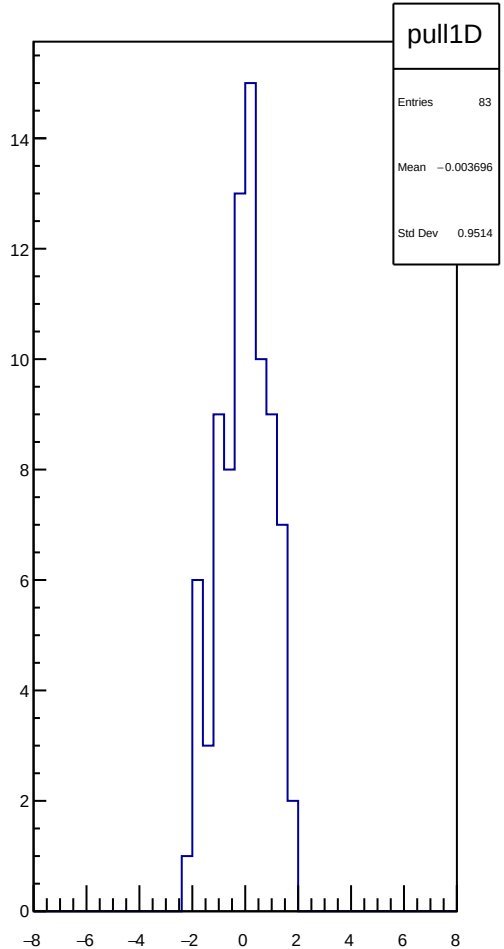

pull1D
Entries 83
Mean −0.006081
Std Dev 0.9383

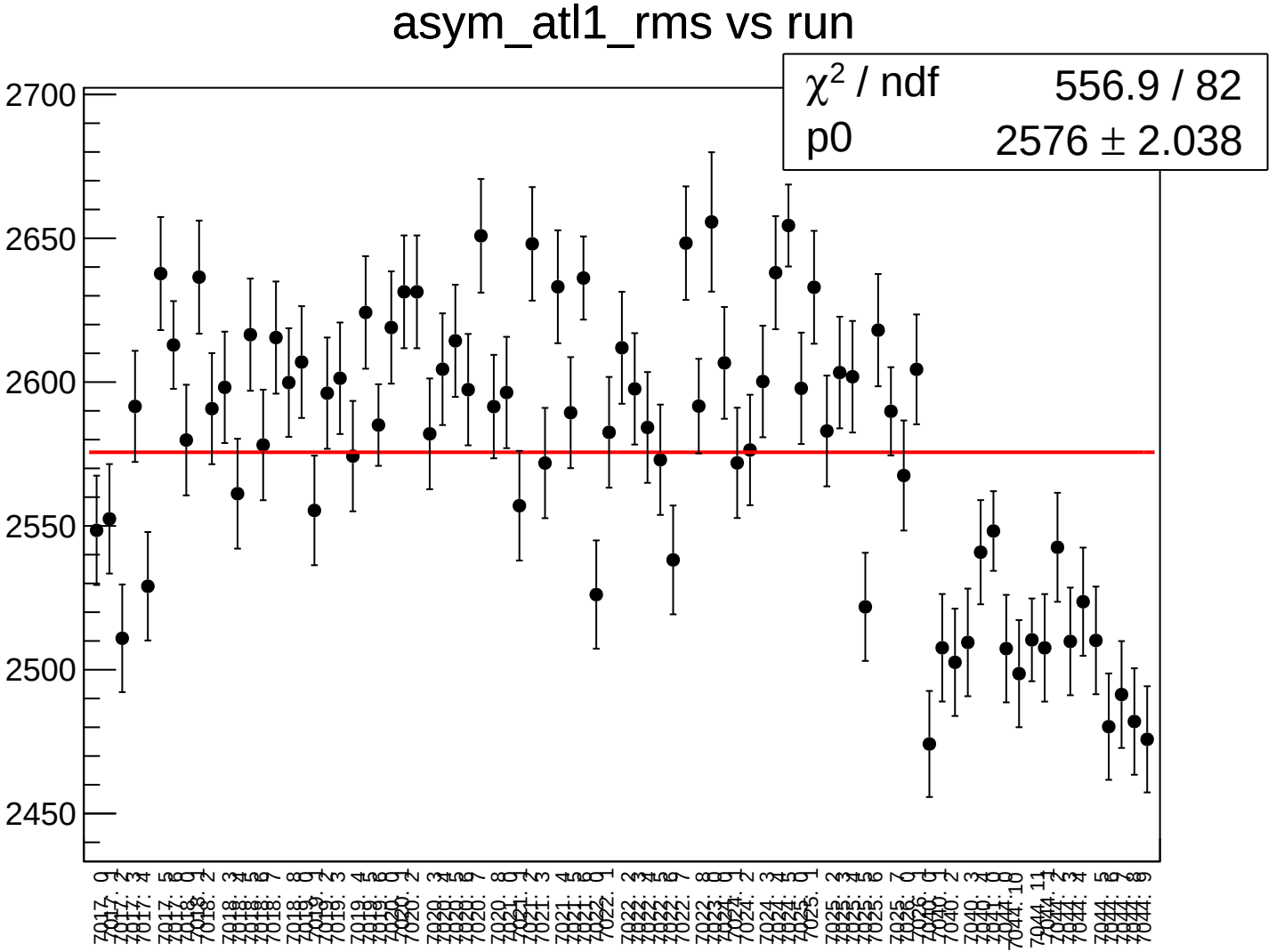

dit_asym_atl1_rms vs run
χ² / ndf 94.98 / 82
p0 2404 ± 1.902
2480
2460
2440
2420
2400
2380
2360
2340

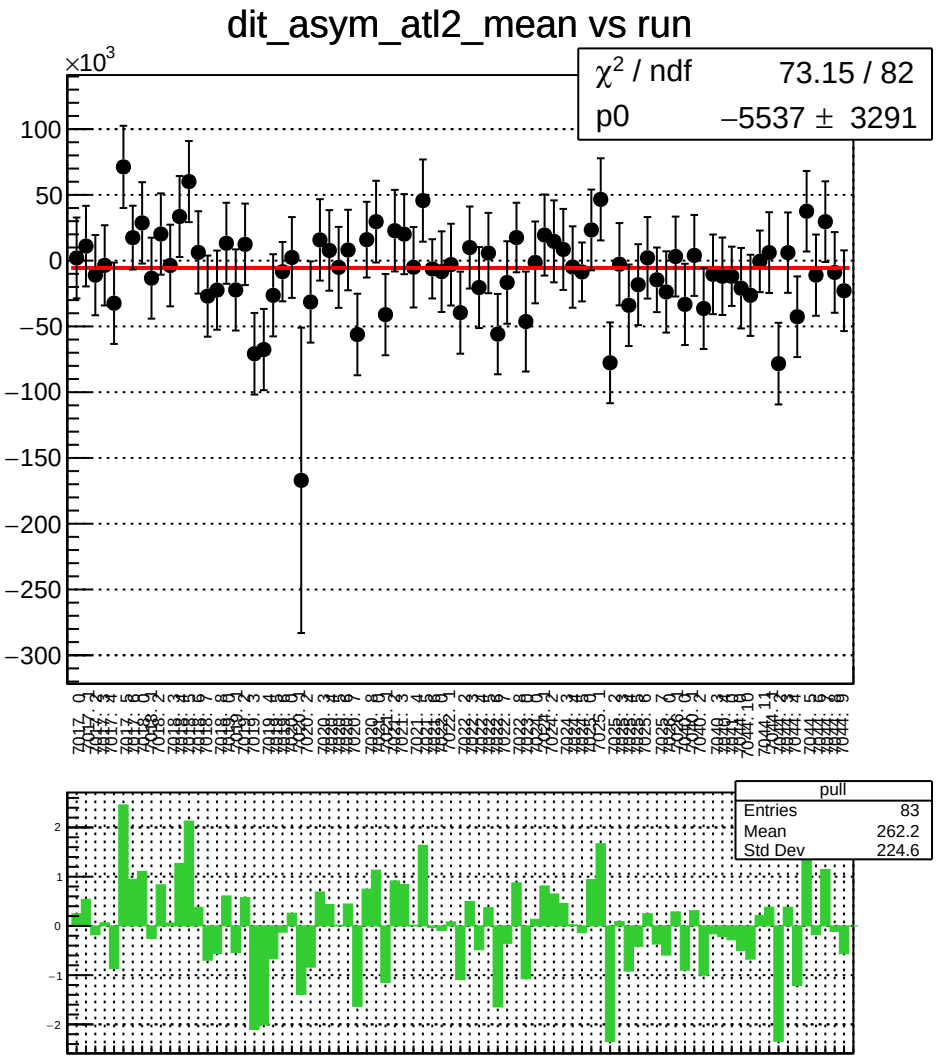

asym_atl1_correction_mean vs run
χ² / ndf 71.75 / 82
p0 −2046 ± 1005
pull
Entries 83
Mean −31.74
Std Dev 117.5
pull1D
Entries 83
Mean −0.009258
Std Dev 0.9297

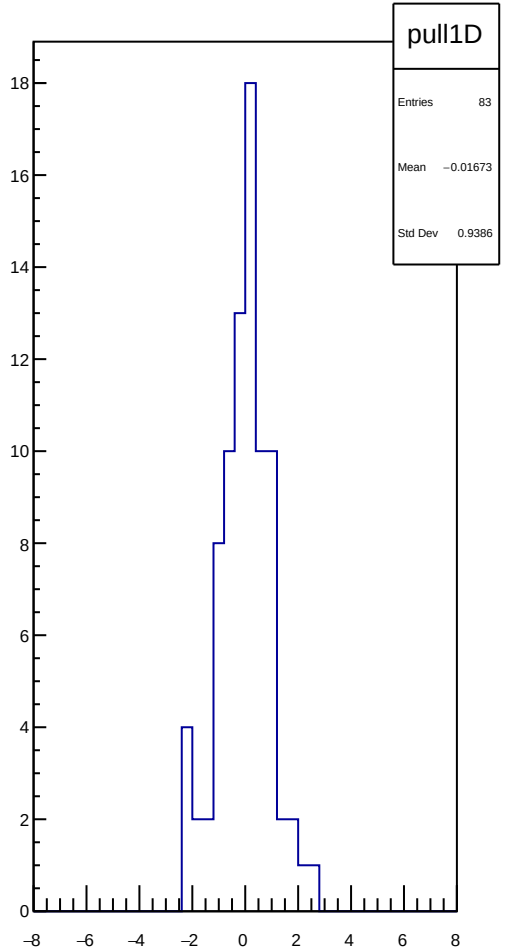

asym_atl1_correction_rms vs run
χ² / ndf 1.121e+04 / 82
p0 894.9 ± 0.7103
1100
1050
1000
950
900
850
800
750
700

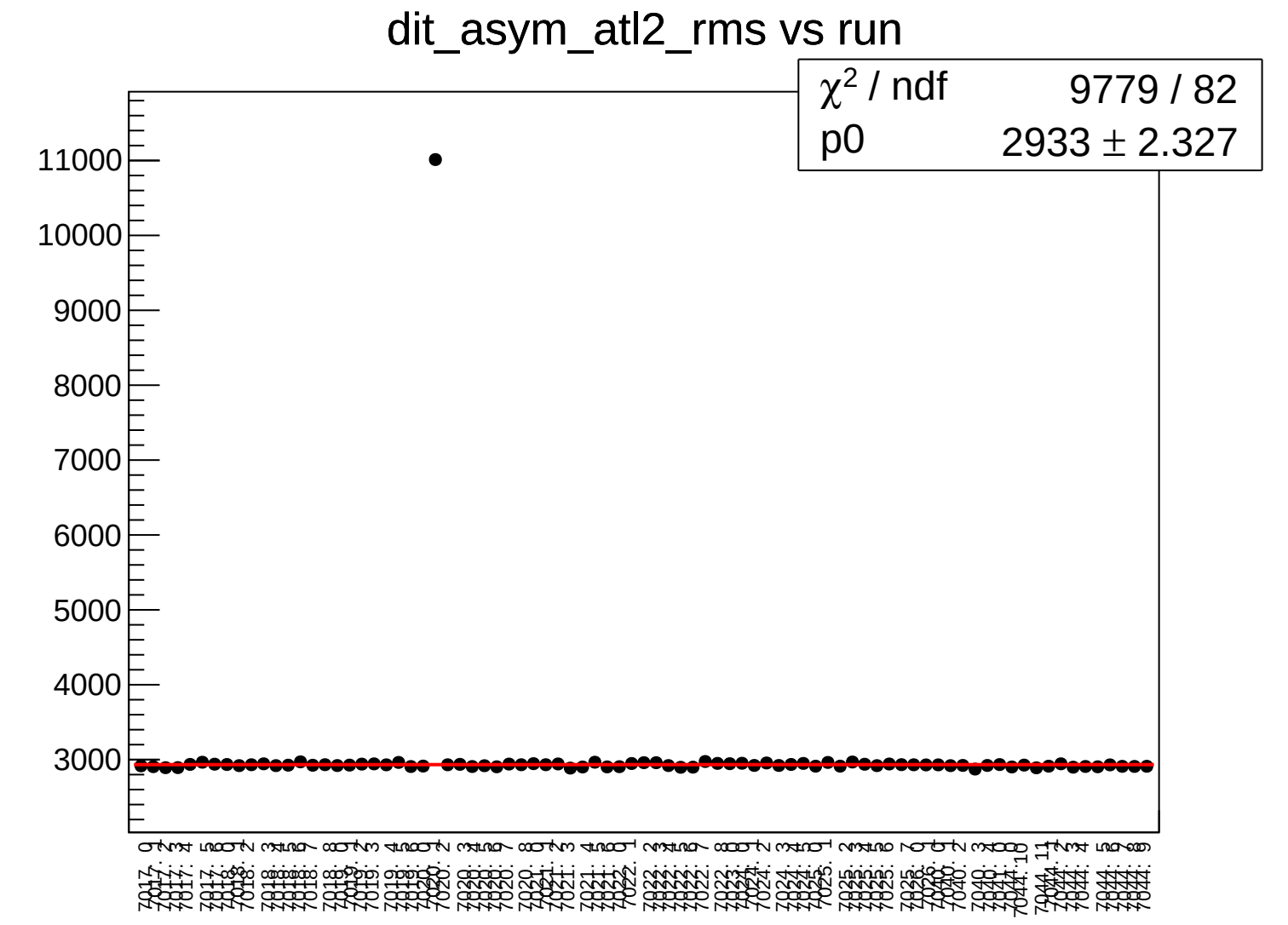

asym_atl1_mean vs run
×10^3
χ² / ndf 75.13 / 82
p0 −646.7 ± 2882
pull
Entries 83
Mean 972
Std Dev 926.1

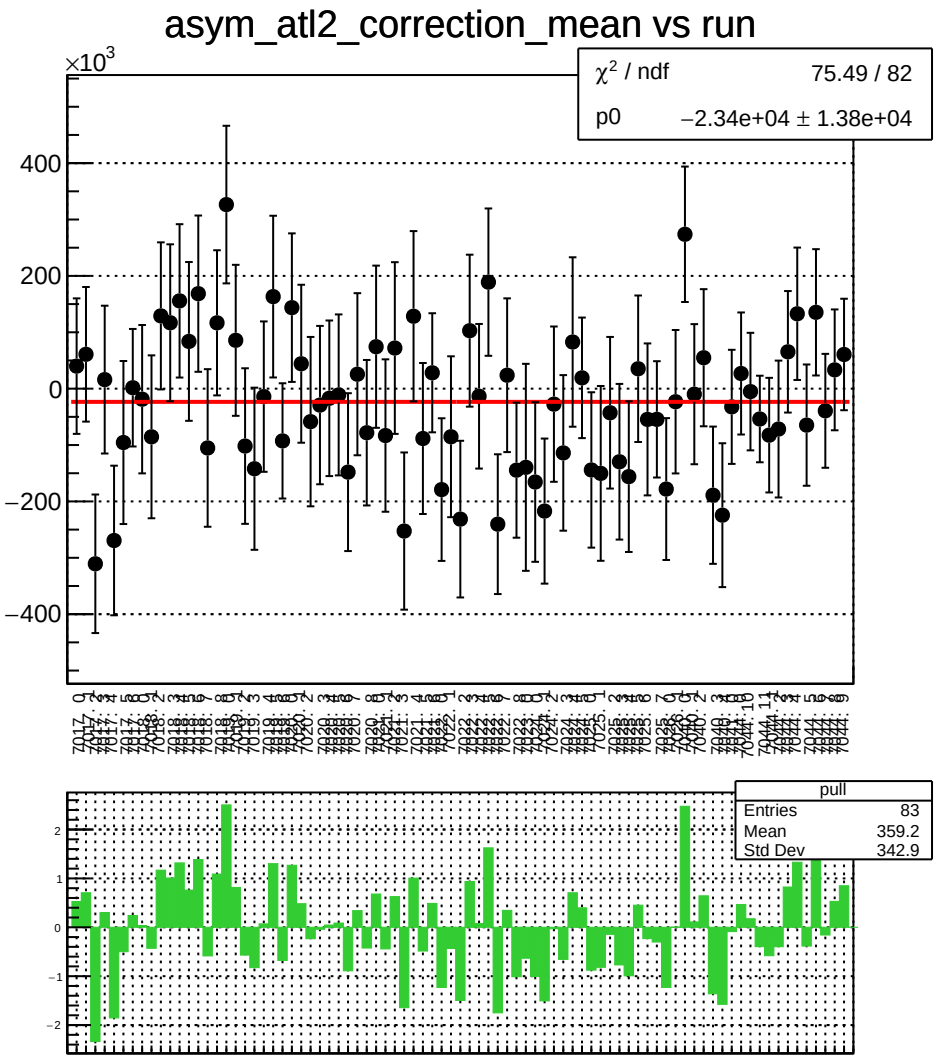

pull1D
Entries 83
Mean −0.003696
Std Dev 0.9514

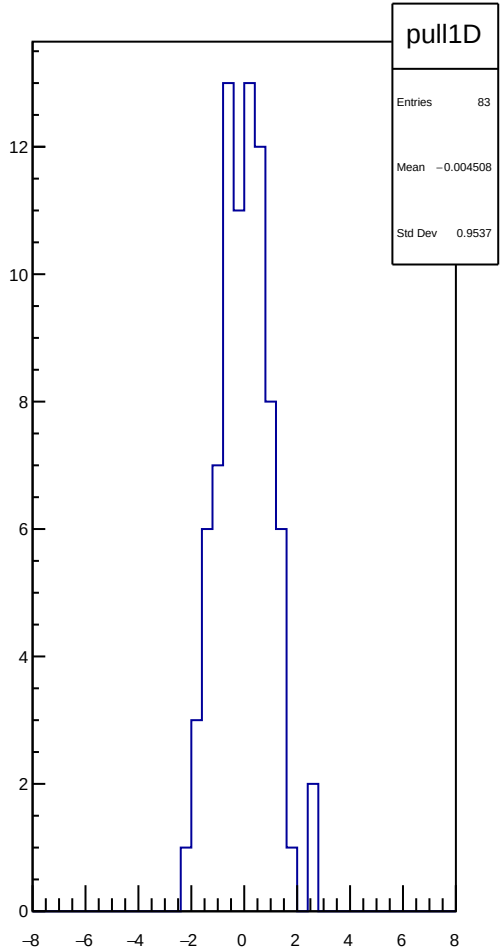

asym_atl1_rms vs run
χ² / ndf 556.9 / 82
p0 2576 ± 2.038
2700
2650
2600
2550
2500
2450

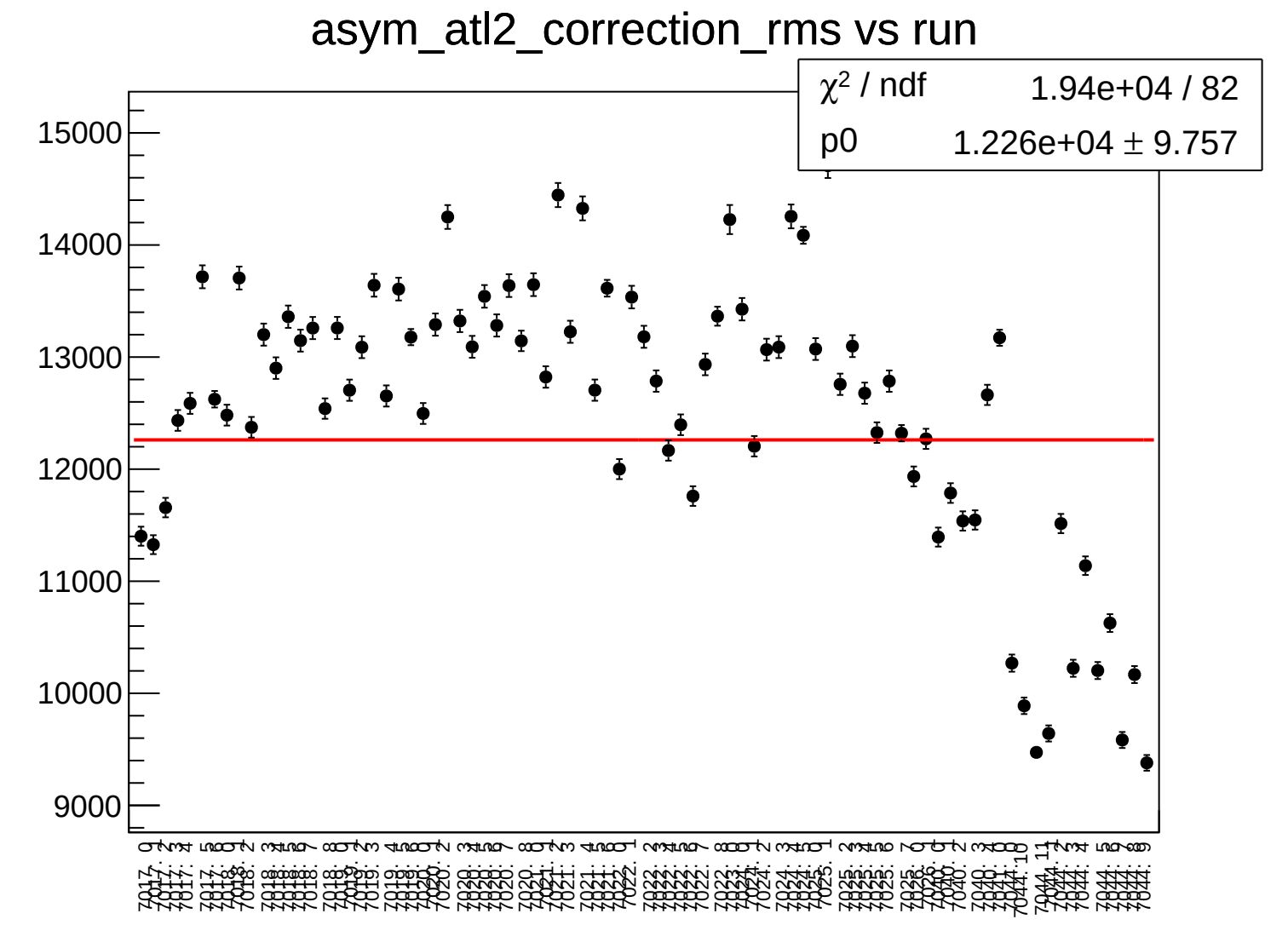

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 73.15 / 82
p0 −5537 ± 3291
pull
Entries 83
Mean 262.2
Std Dev 224.6

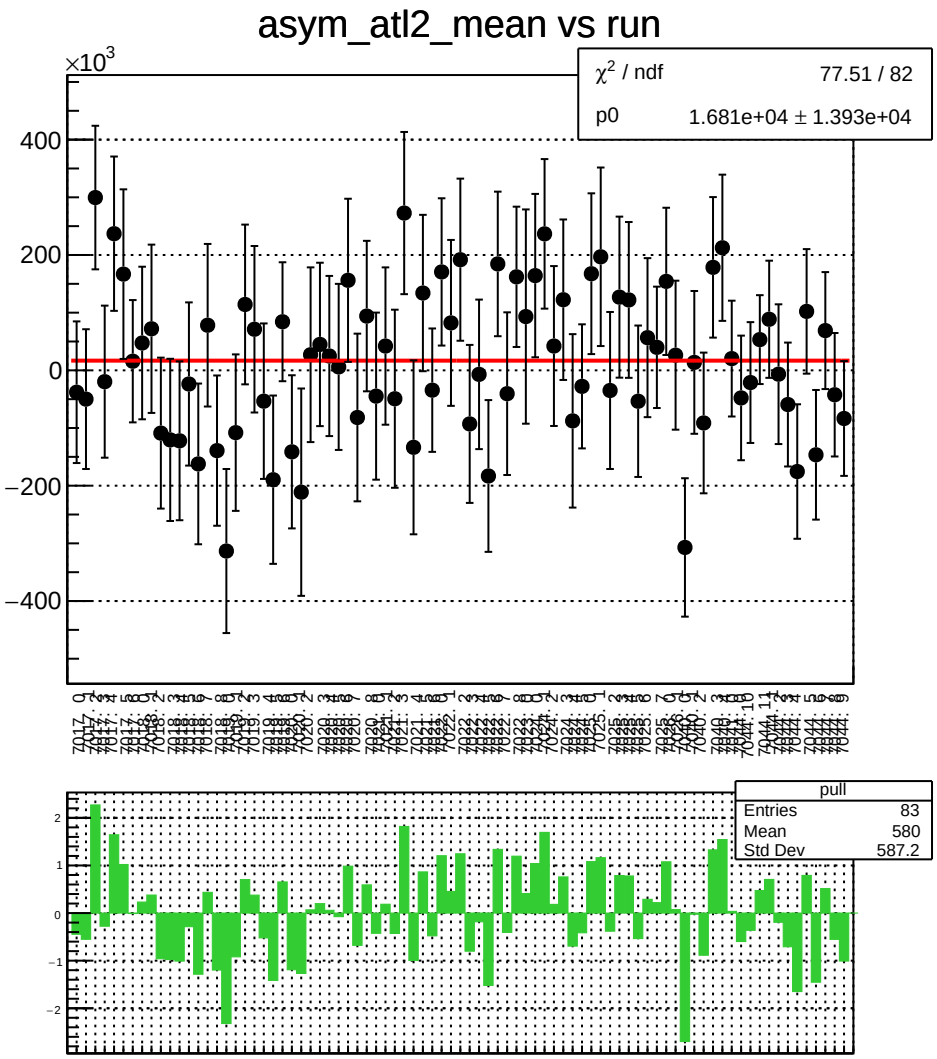

pull1D
Entries 83
Mean −0.01673
Std Dev 0.9386

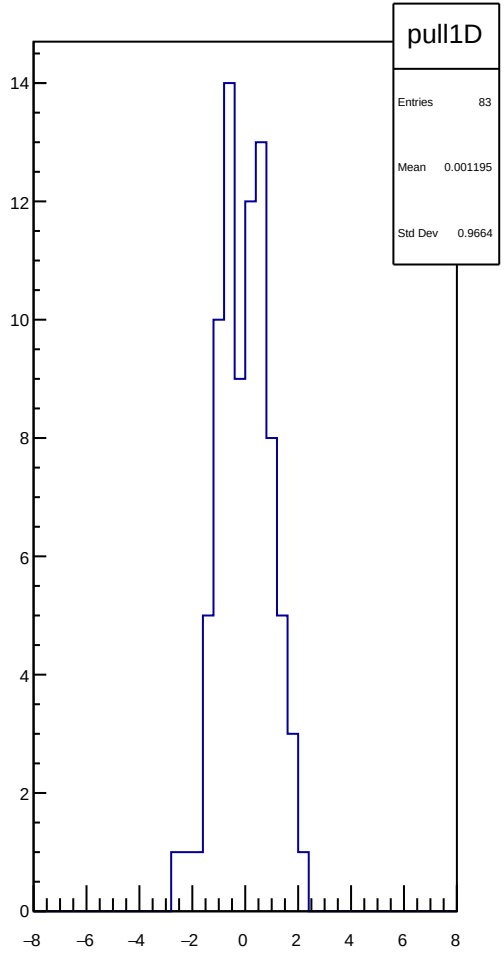

dit_asym_atl2_rms vs run
χ² / ndf 9779 / 82
p0 2933 ± 2.327
11000
10000
9000
8000
7000
6000
5000
4000
3000

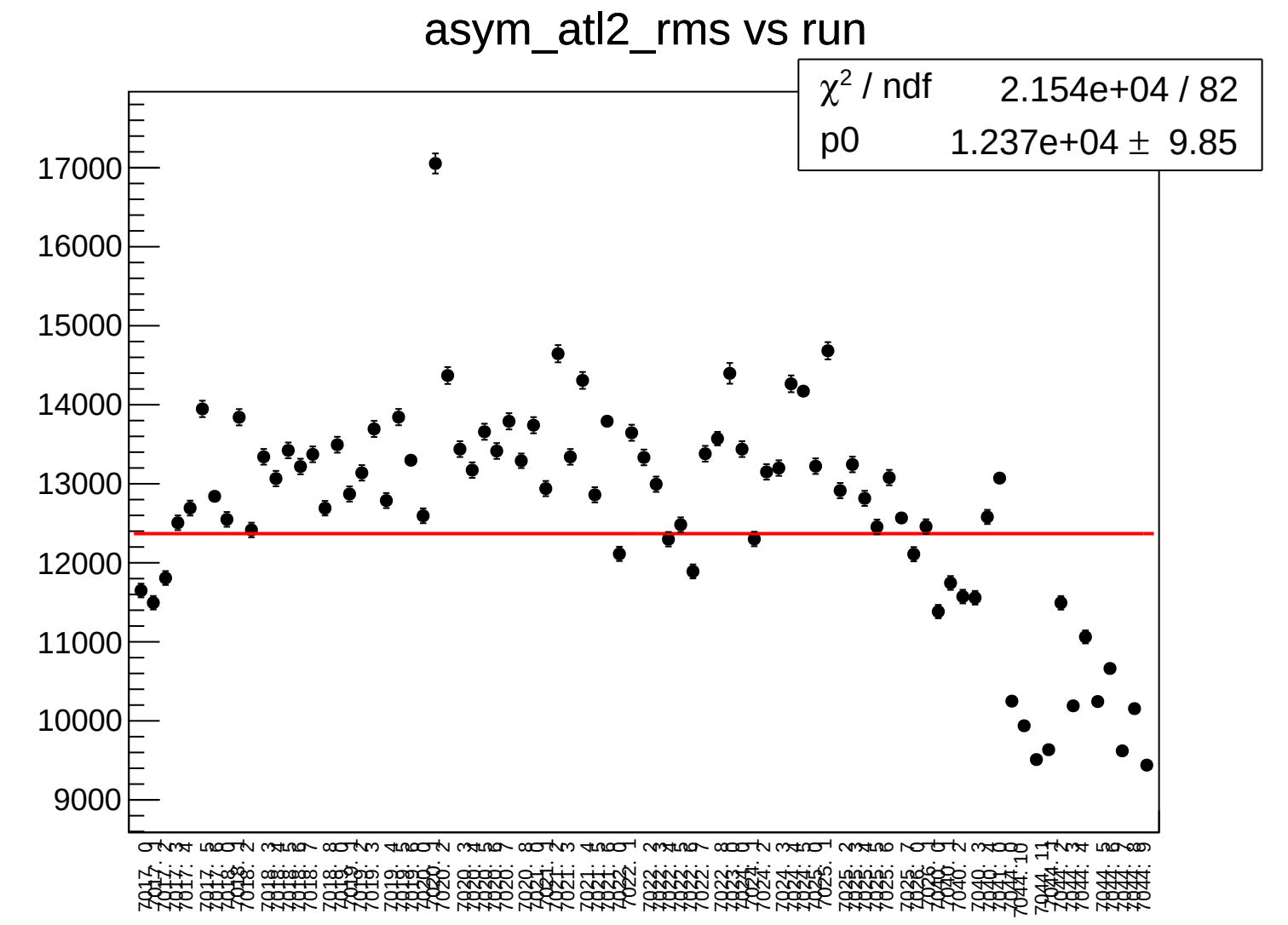

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 75.49 / 82
p0 −2.34e+04 ± 1.38e+04
400
200
0
−200
−400
pull
Entries 83
Mean 359.2
Std Dev 342.9
2
1
0
−1
−2

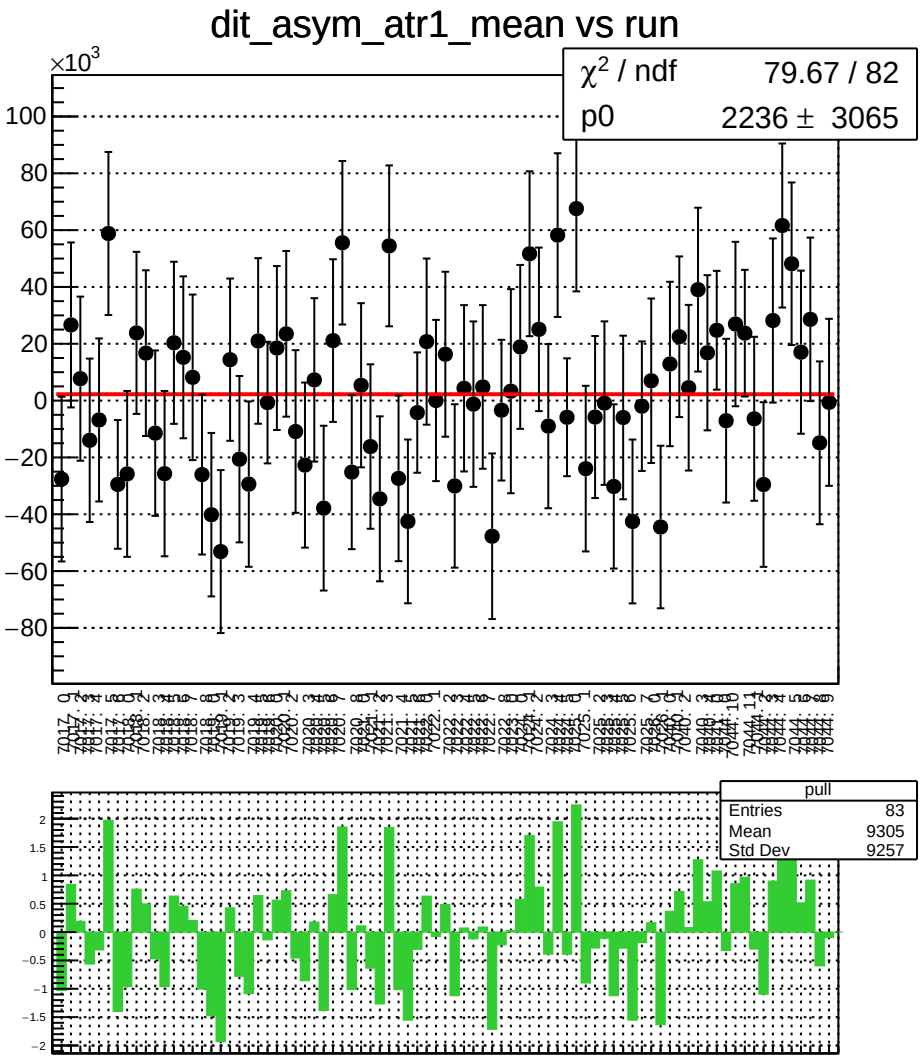

pull1D
Entries 83
Mean −0.004508
Std Dev 0.9537
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

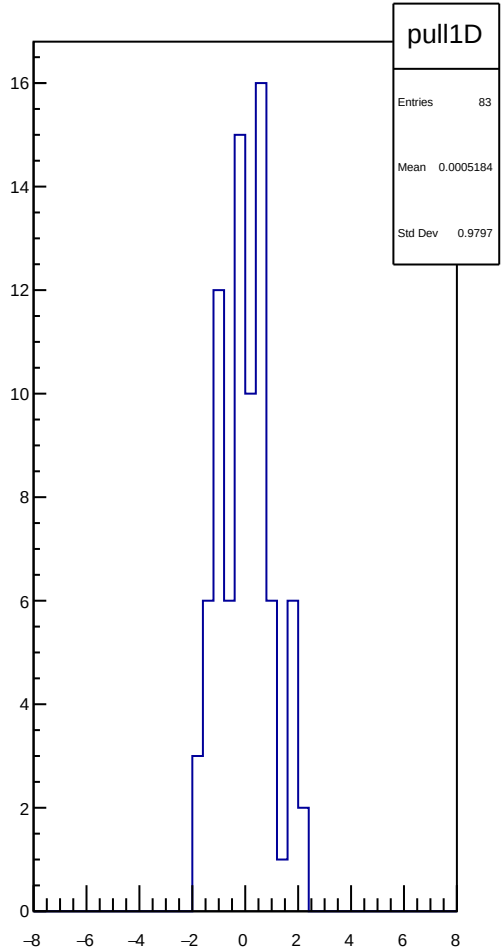

asym_atl2_correction_rms vs run
χ2 / ndf 1.94e+04 / 82
p0 1.226e+04 ± 9.757
15000
14000
13000
12000
11000
10000
9000

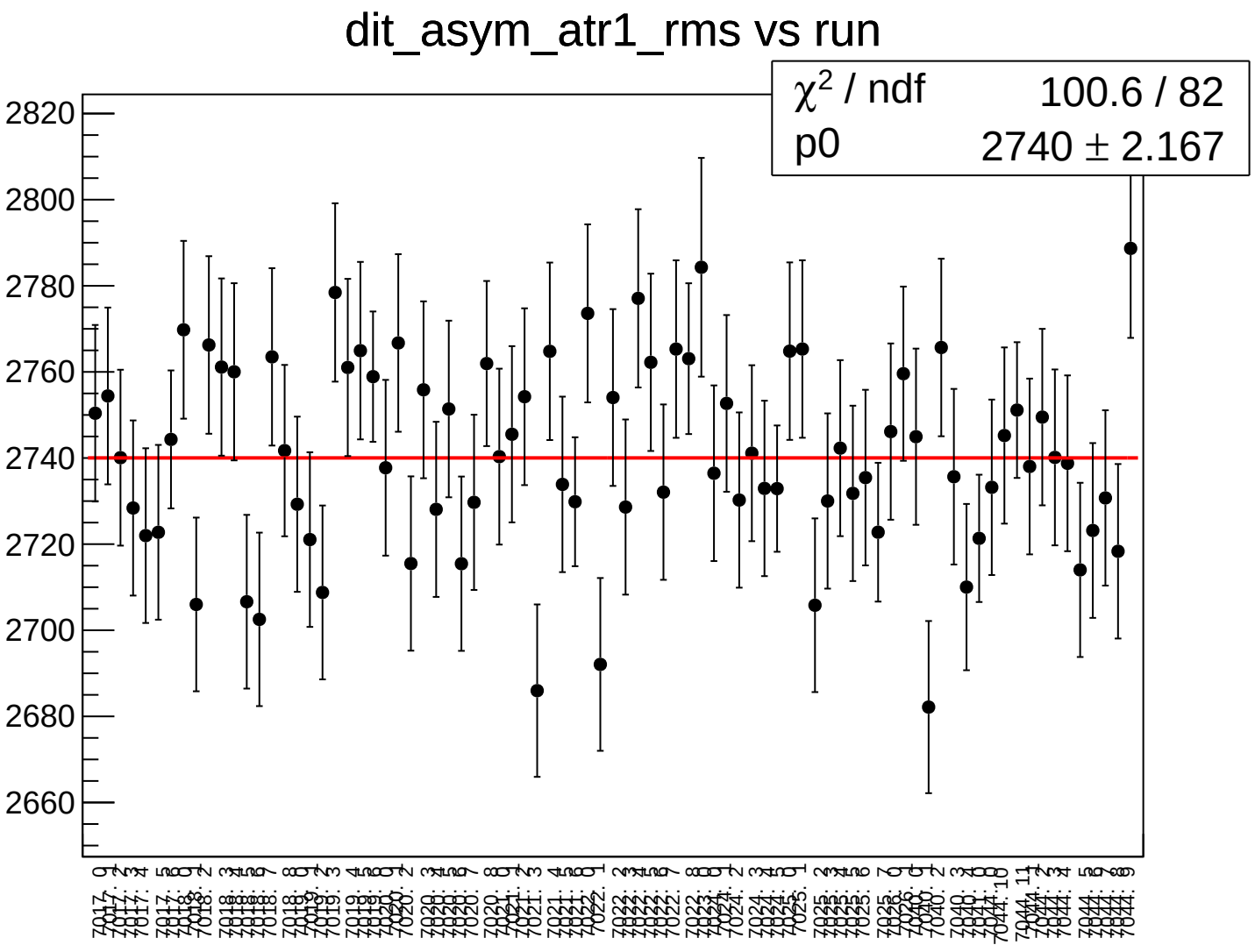

asym_atl2_mean vs run
×10^3
χ² / ndf 77.51 / 82
p0 1.681e+04 ± 1.393e+04
pull
Entries 83
Mean 580
Std Dev 587.2

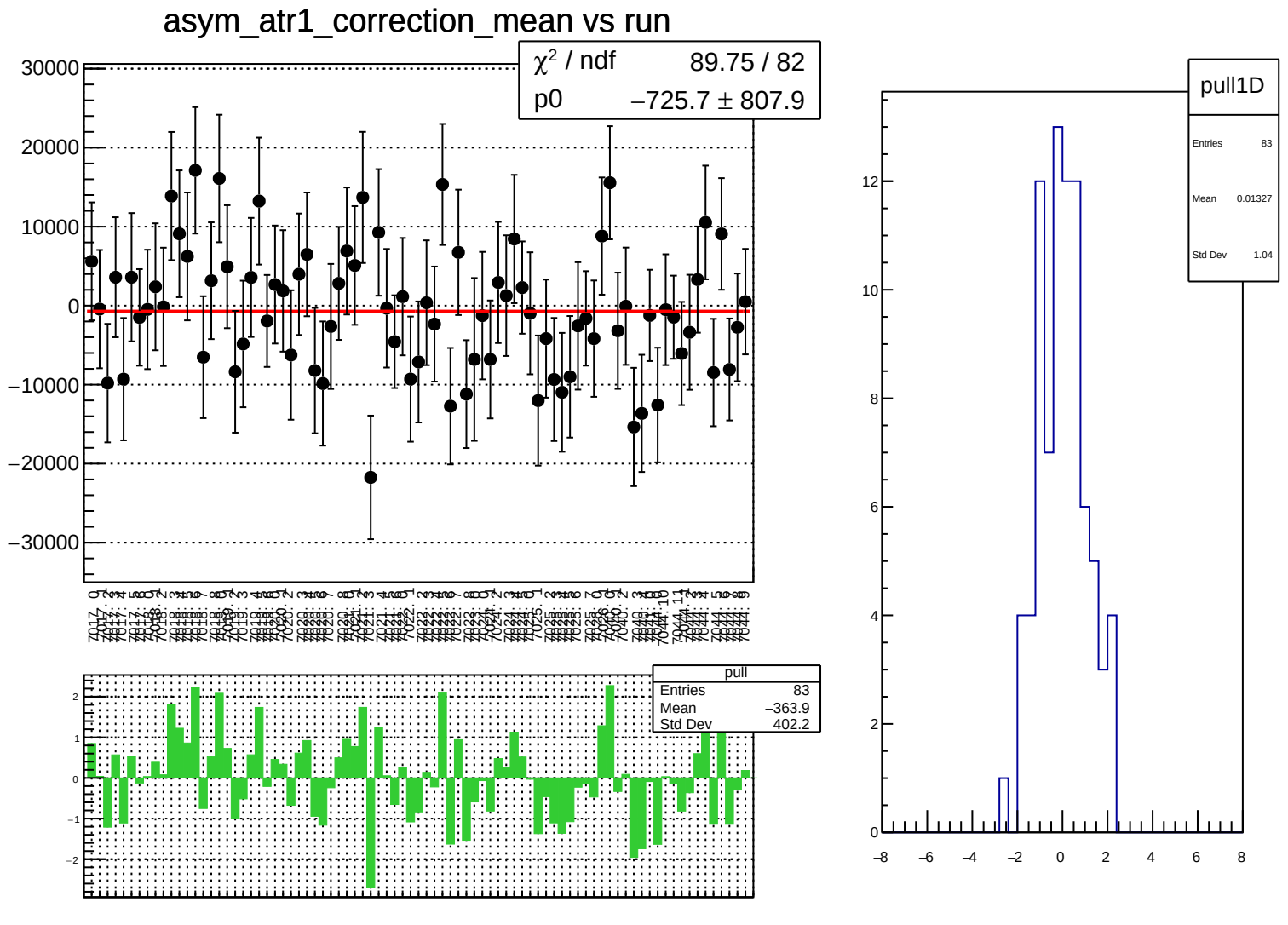

pull1D
Entries 83
Mean 0.001195
Std Dev 0.9664

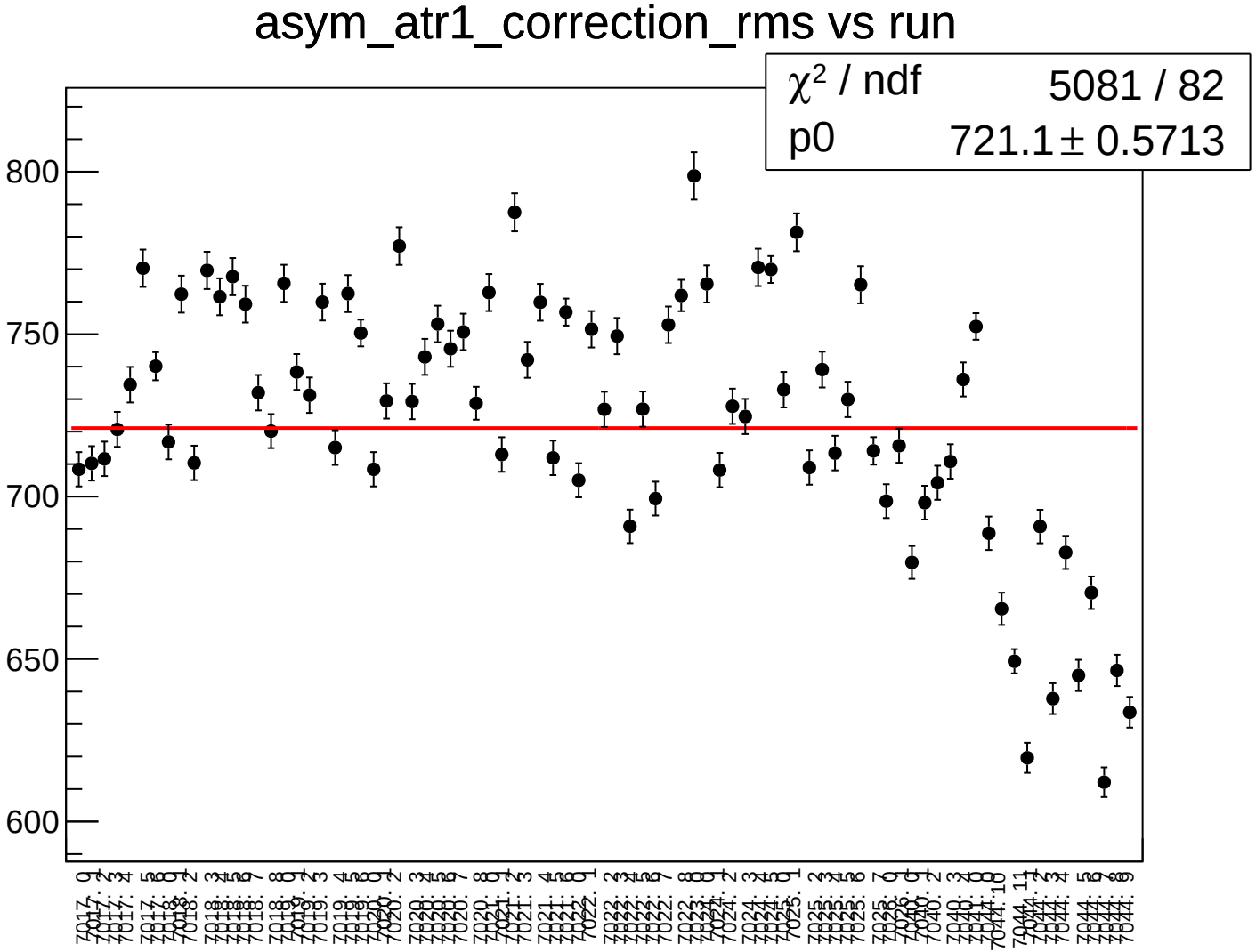

asym_atl2_rms vs run
χ^2 / ndf 2.154e+04 / 82
p0 1.237e+04 ± 9.85
17000
16000
15000
14000
13000
12000
11000
10000
9000

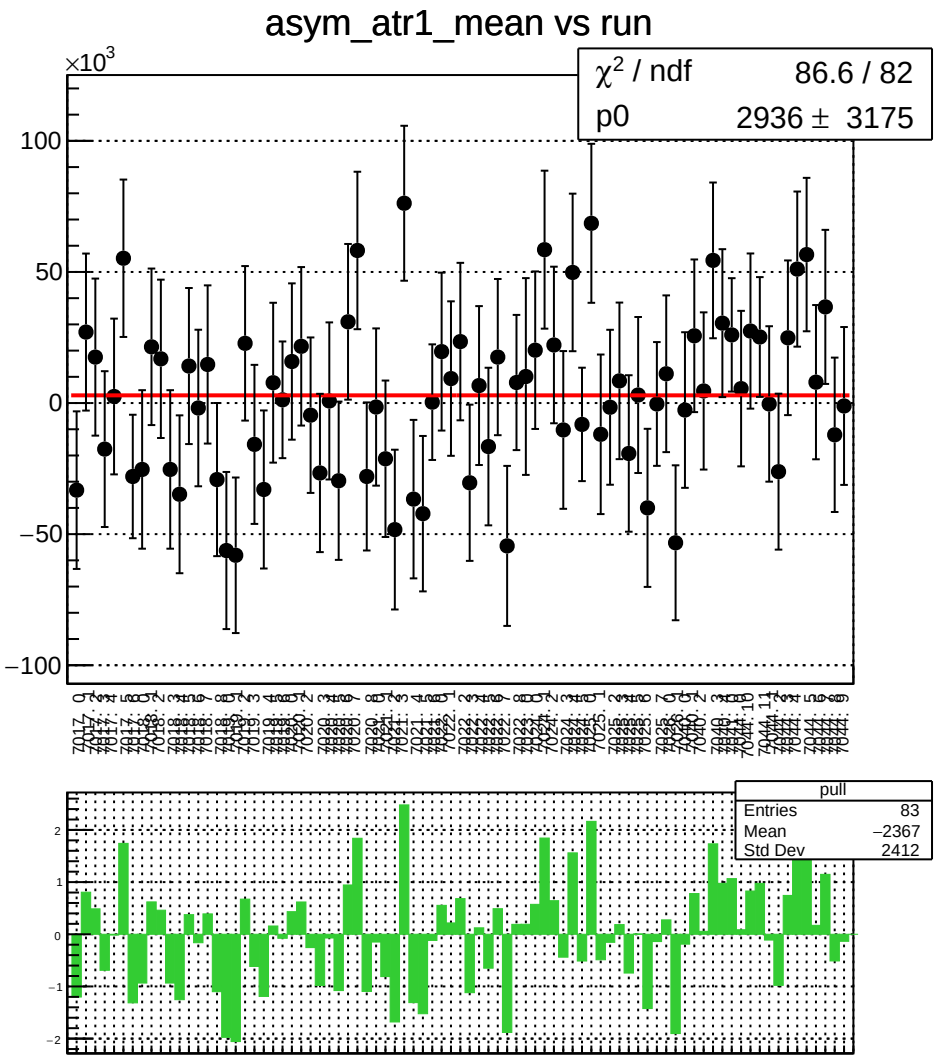

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 79.67 / 82
p0 2236 ± 3065
pull
Entries 83
Mean 9305
Std Dev 9257

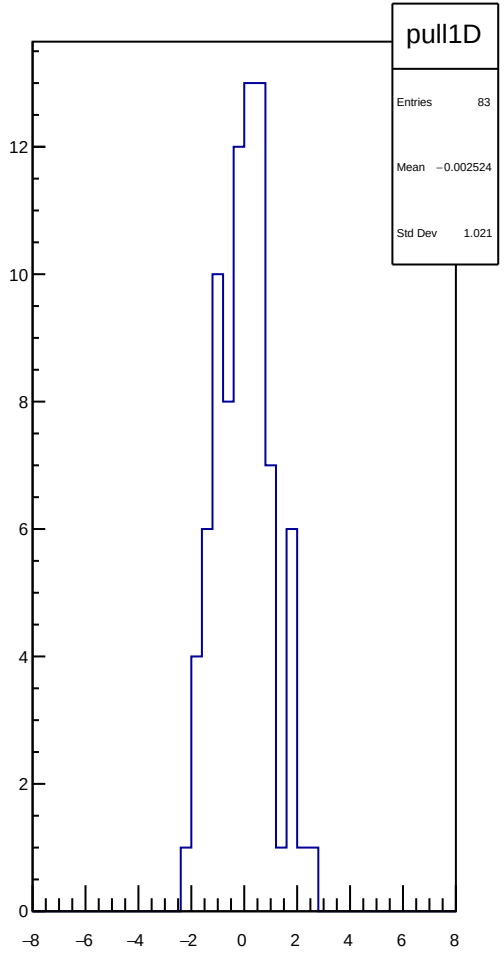

pull1D
Entries 83
Mean 0.0005184
Std Dev 0.9797

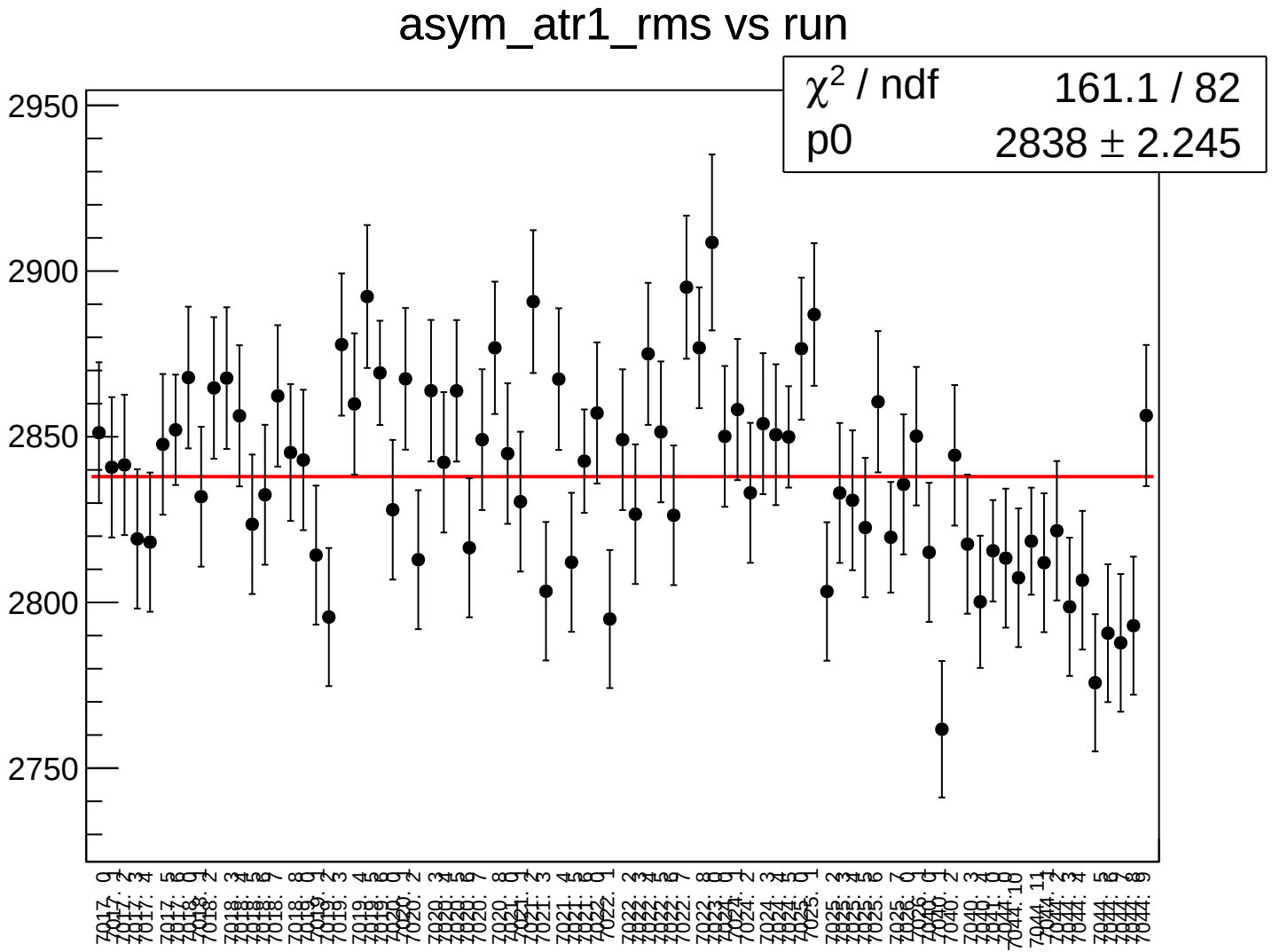

dit_asym_atr1_rms vs run
χ² / ndf 100.6 / 82
p0 2740 ± 2.167
2820
2800
2780
2760
2740
2720
2700
2680
2660

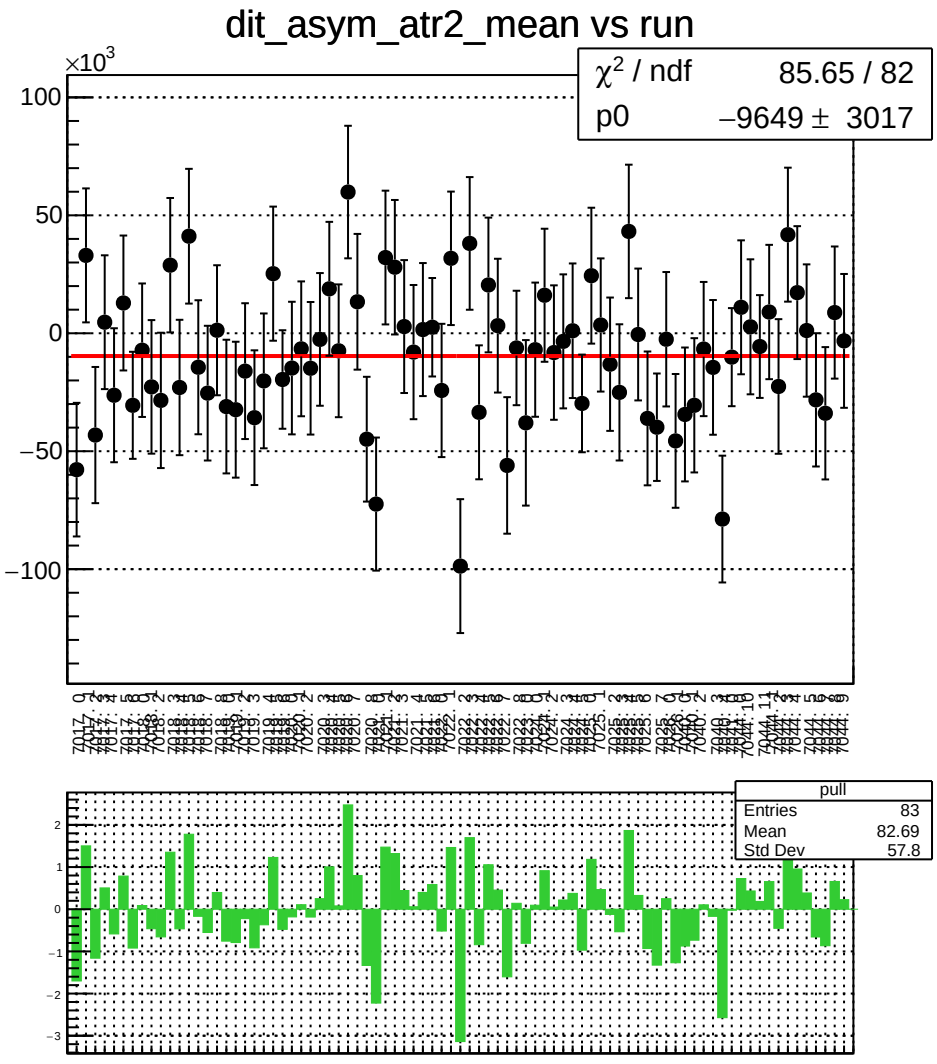

asym_atr1_correction_mean vs run
χ² / ndf 89.75 / 82
p0 −725.7 ± 807.9
pull
Entries 83
Mean −363.9
Std Dev 402.2
pull1D
Entries 83
Mean 0.01327
Std Dev 1.04

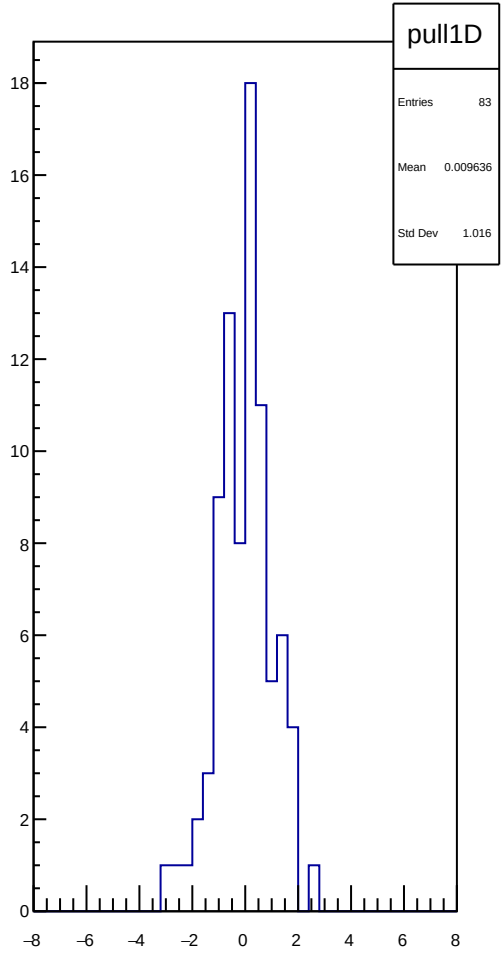

asym_atr1_correction_rms vs run
χ^2 / ndf 5081 / 82
p0 721.1 ± 0.5713
800
750
700
650
600

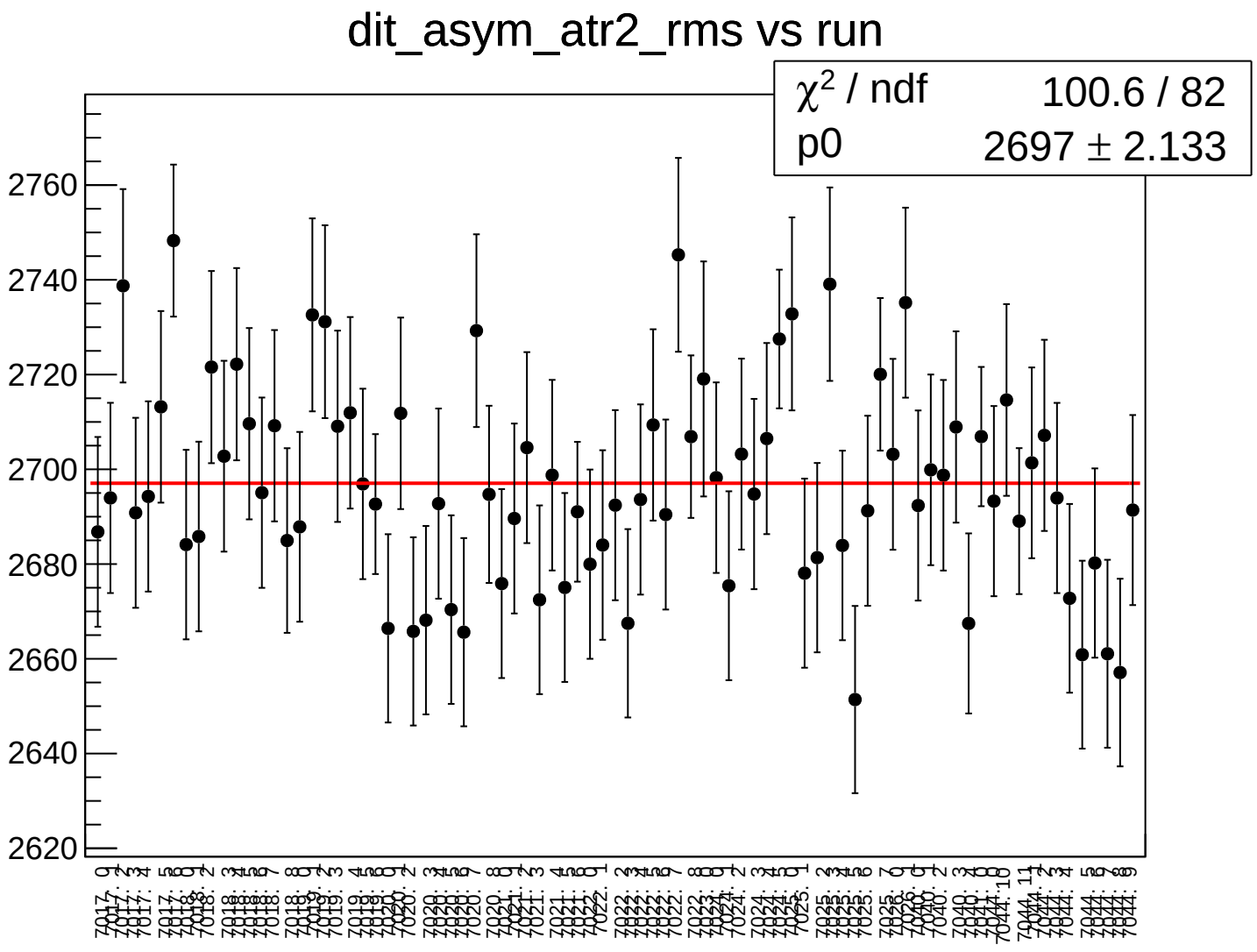

asym_atr1_mean vs run
χ^2 / ndf 86.6 / 82
p0 2936 ± 3175
×10^3
100
50
0
−50
−100
pull
Entries 83
Mean −2367
Std Dev 2412
2
1
0
−1
−2

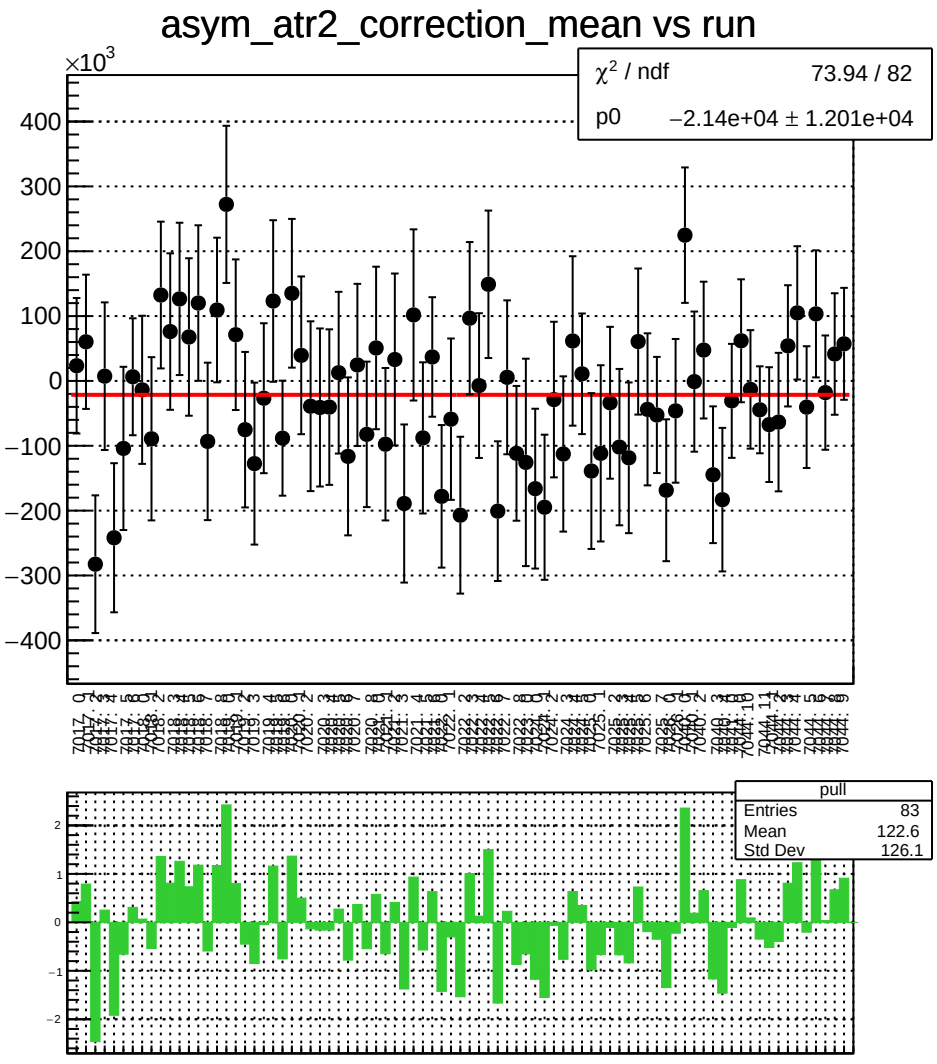

pull1D
Entries 83
Mean −0.002524
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

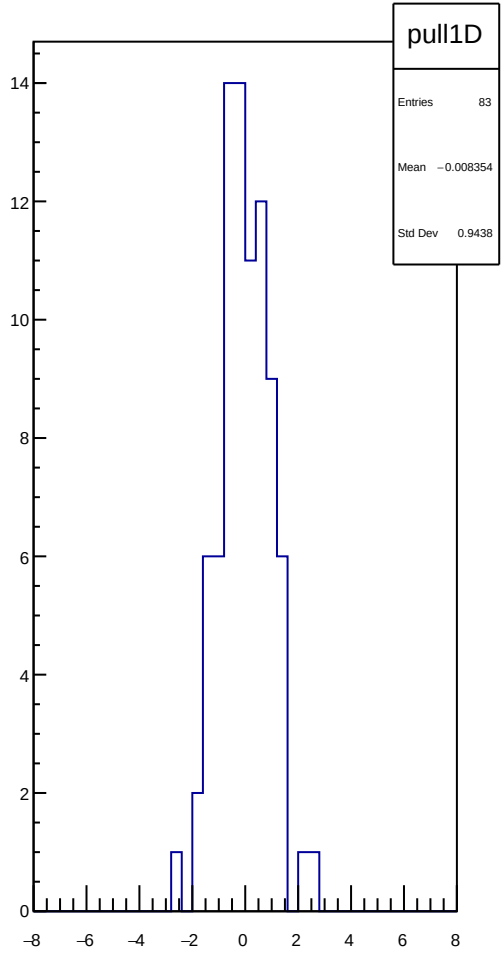

asym_atr1_rms vs run
χ2 / ndf 161.1 / 82
p0 2838 ± 2.245
2950
2900
2850
2800
2750


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 85.65 / 82
p0 −9649 ± 3017
pull
Entries 83
Mean 82.69
Std Dev 57.8

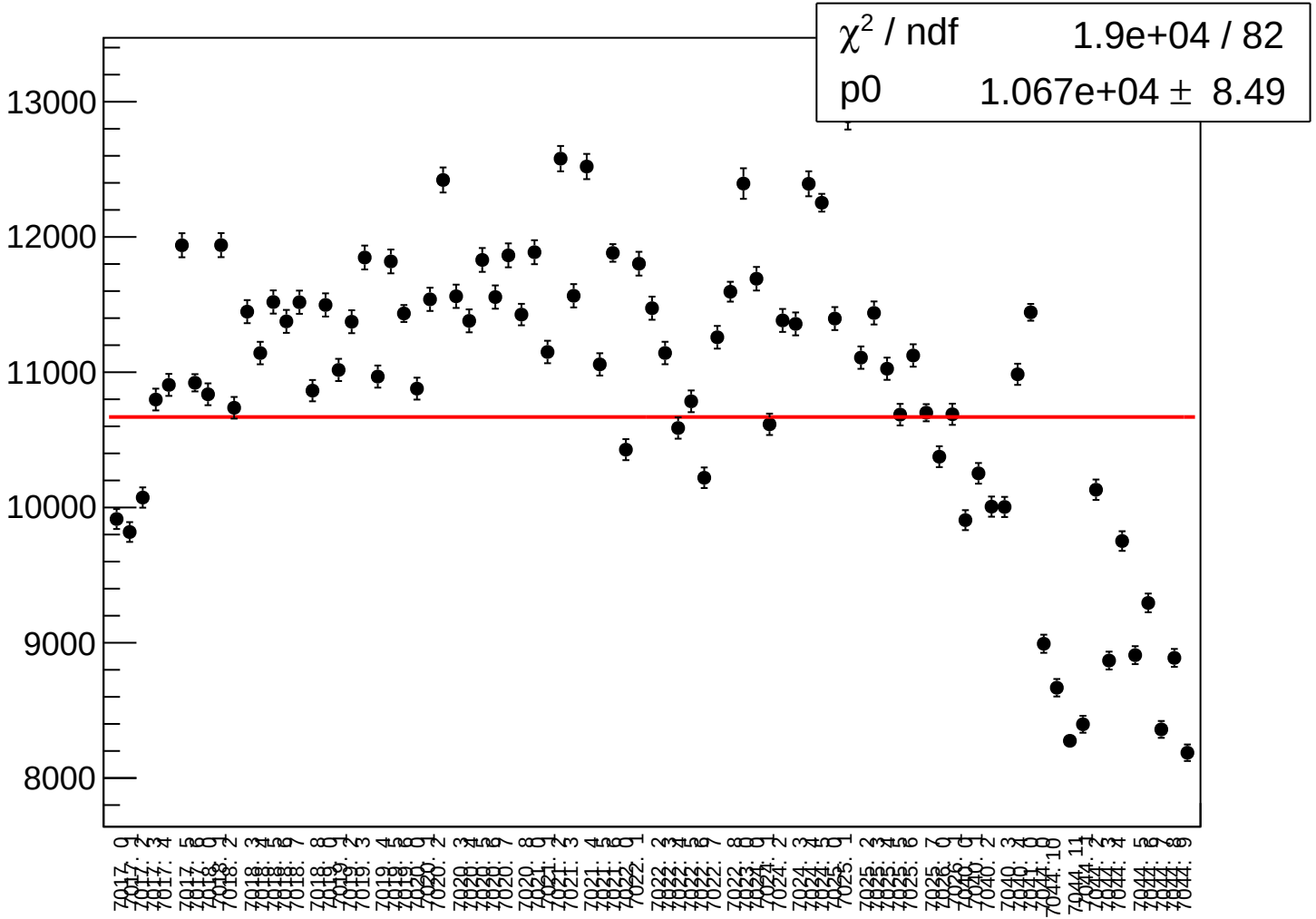

pull1D
Entries 83
Mean 0.009636
Std Dev 1.016

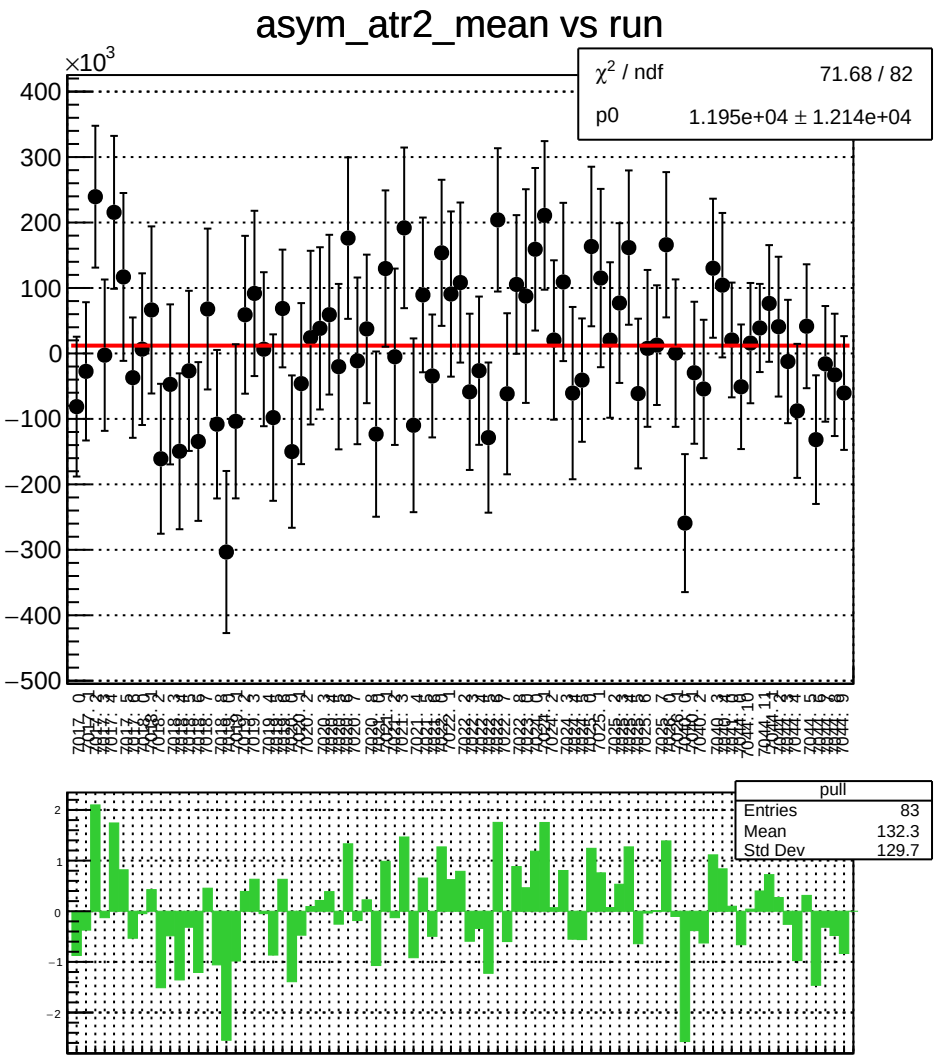

dit_asym_atr2_rms vs run
χ2 / ndf 100.6 / 82
p0 2697 ± 2.133
2760
2740
2720
2700
2680
2660
2640
2620

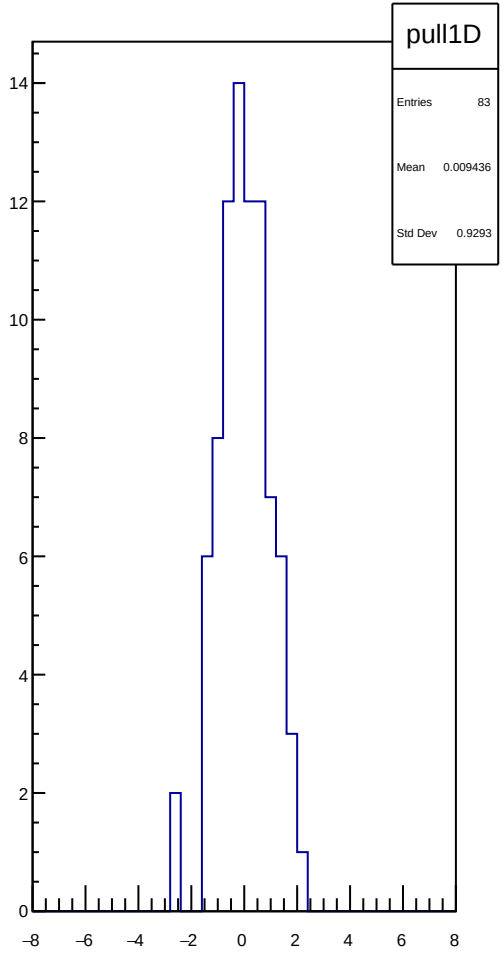

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 73.94 / 82
p0 −2.14e+04 ± 1.201e+04
pull
Entries 83
Mean 122.6
Std Dev 126.1

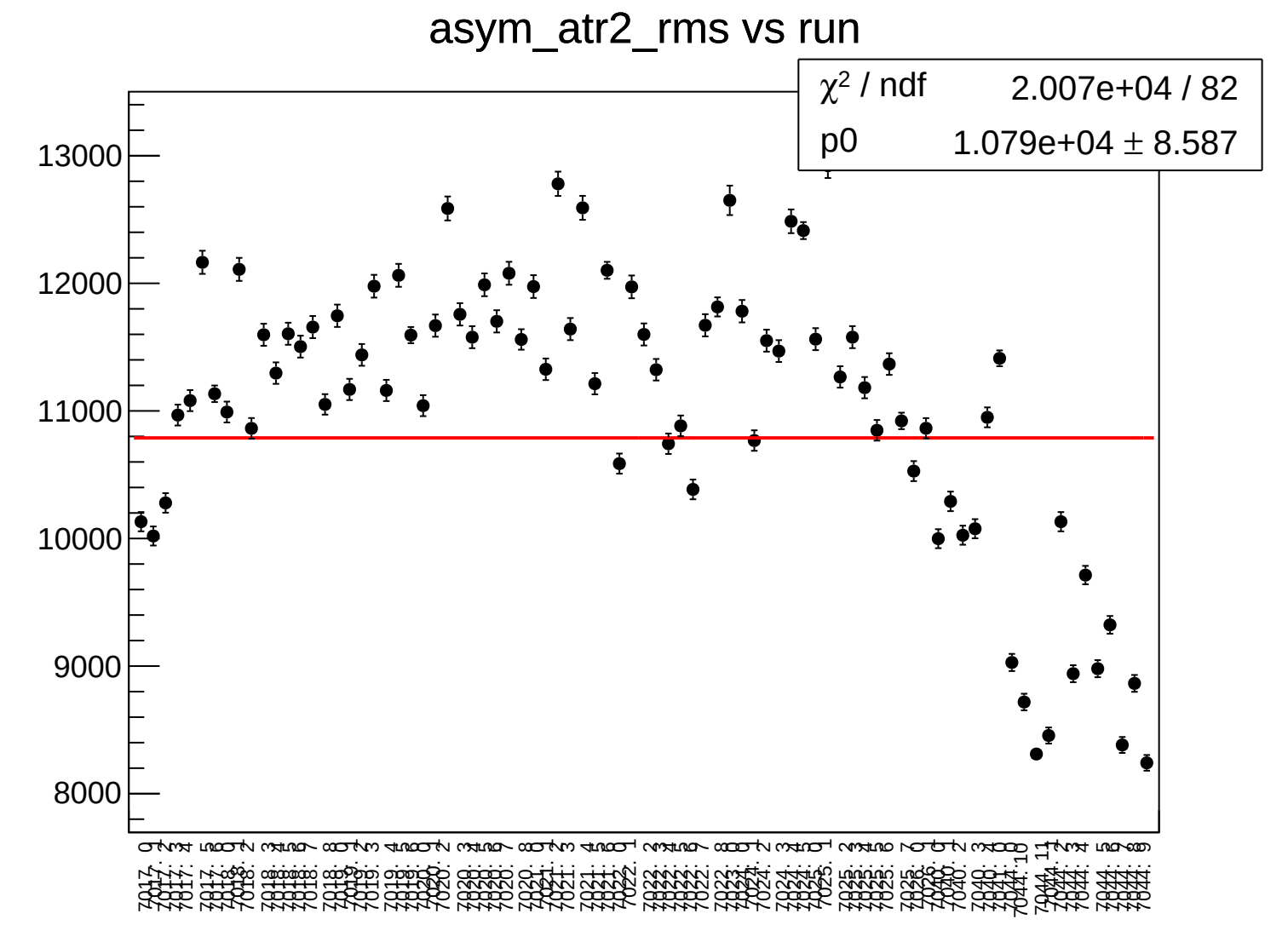

pull1D
Entries 83
Mean −0.008354
Std Dev 0.9438

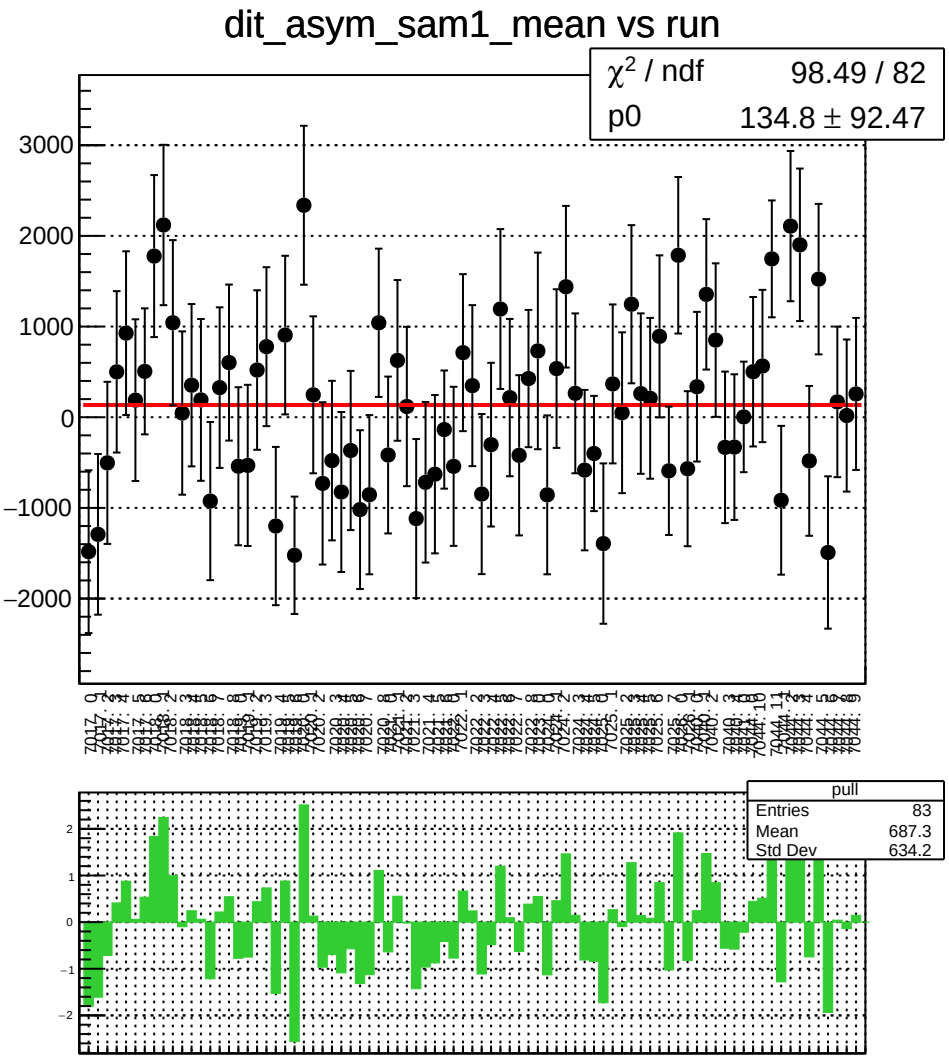
asym_atr2_correction_rms vs run

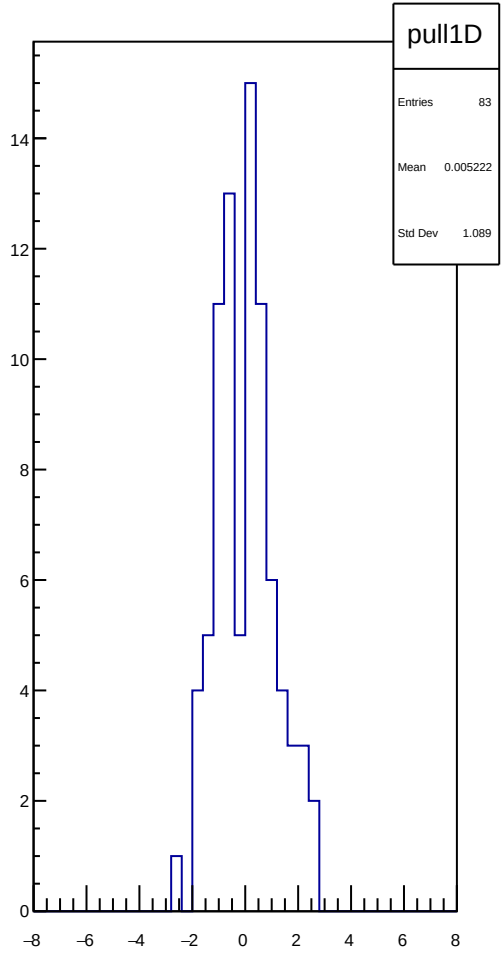


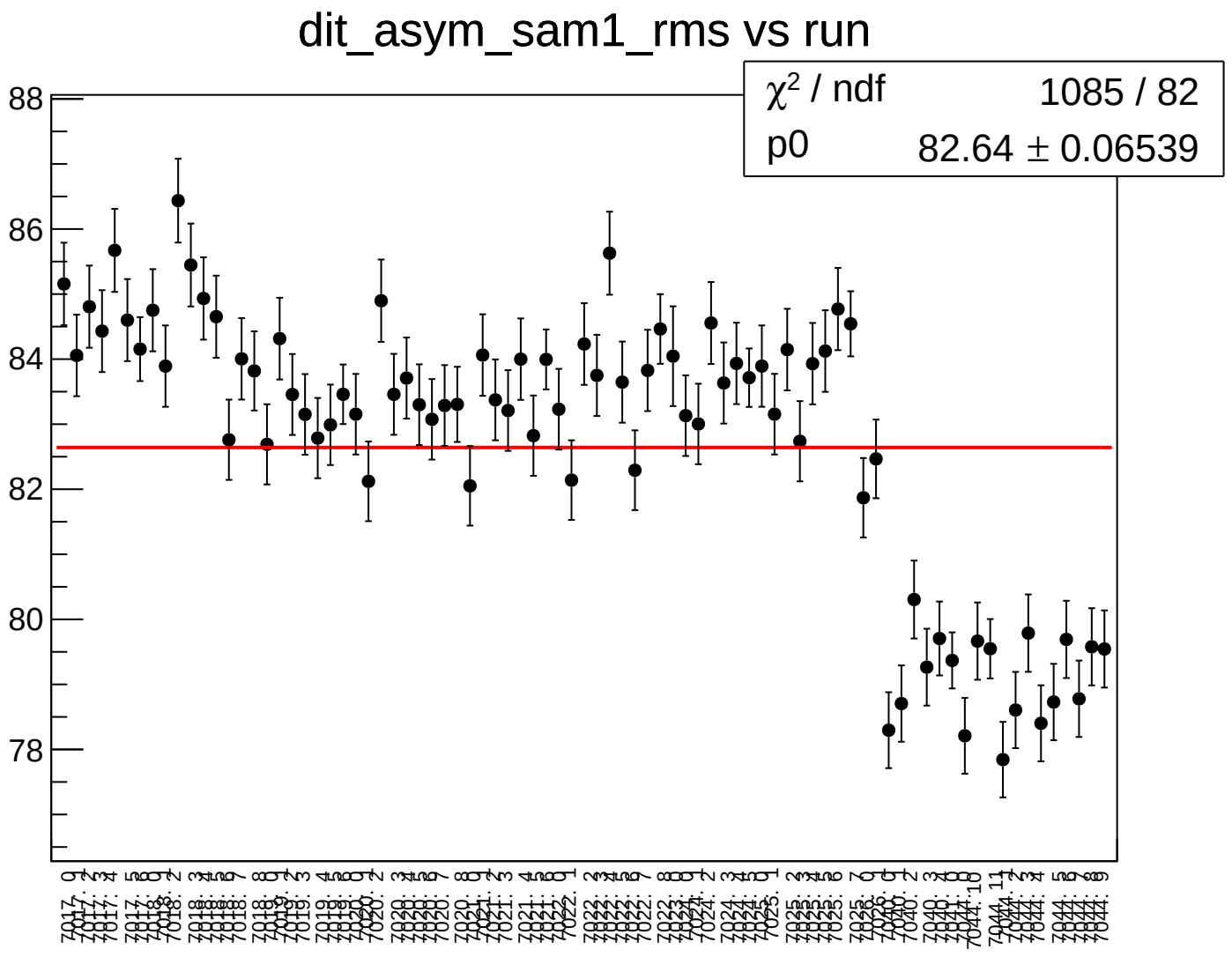

asym_atr2_mean vs run
×10^3
χ² / ndf 71.68 / 82
p0 1.195e+04 ± 1.214e+04
pull
Entries 83
Mean 132.3
Std Dev 129.7

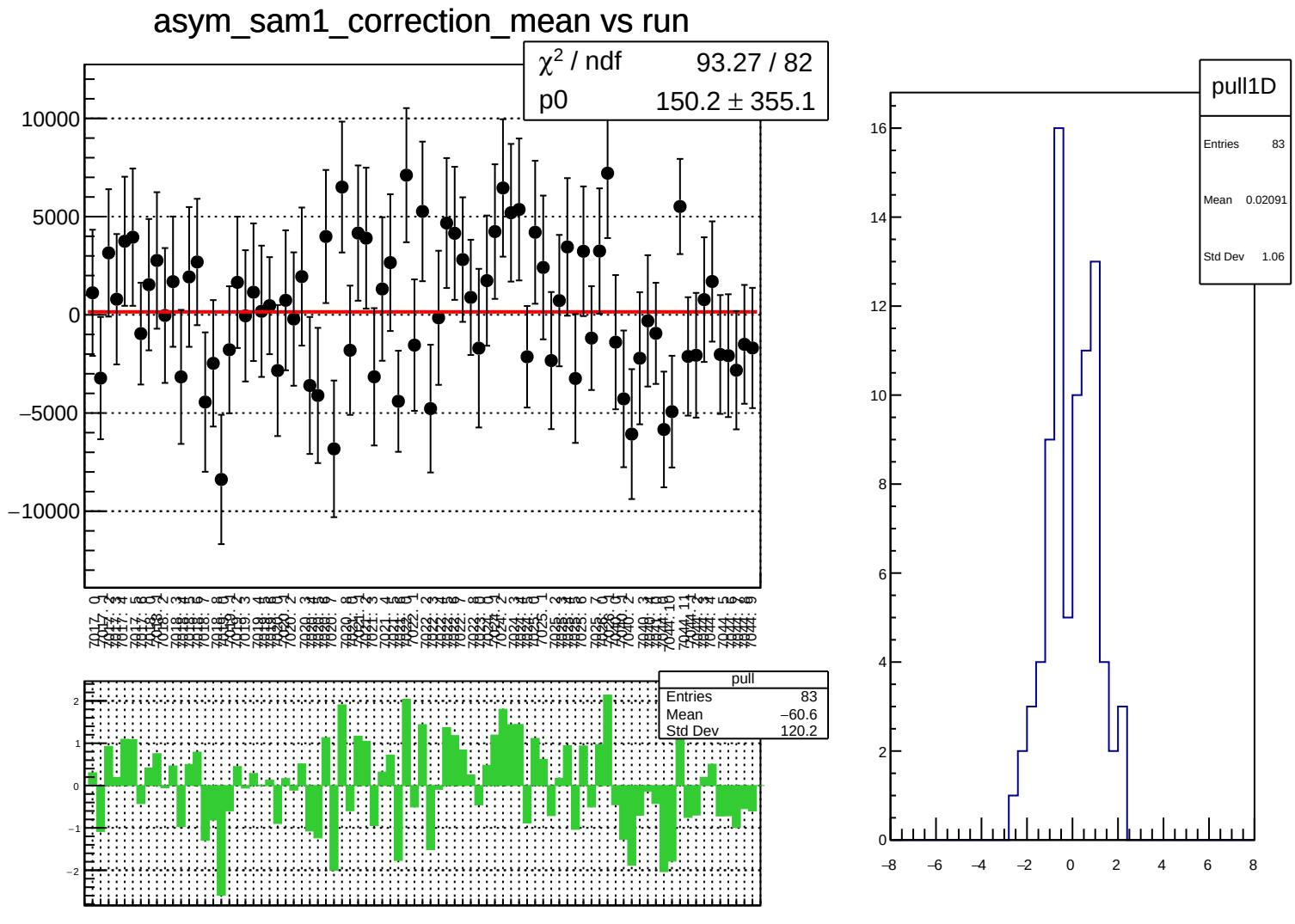

pull1D
Entries 83
Mean 0.009436
Std Dev 0.9293

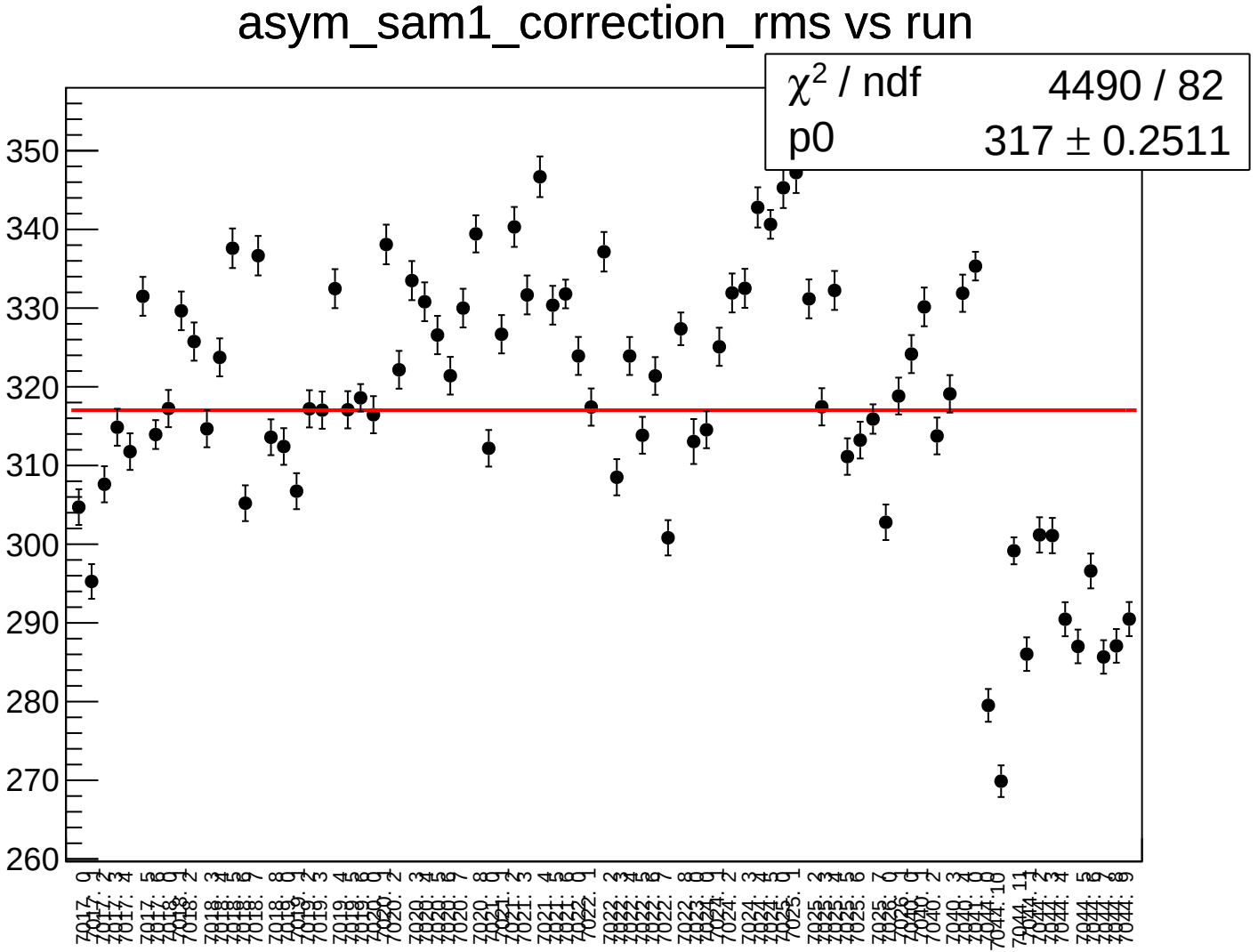

asym_atr2_rms vs run
χ2 / ndf 2.007e+04 / 82
p0 1.079e+04 ± 8.587
13000
12000
11000
10000
9000
8000

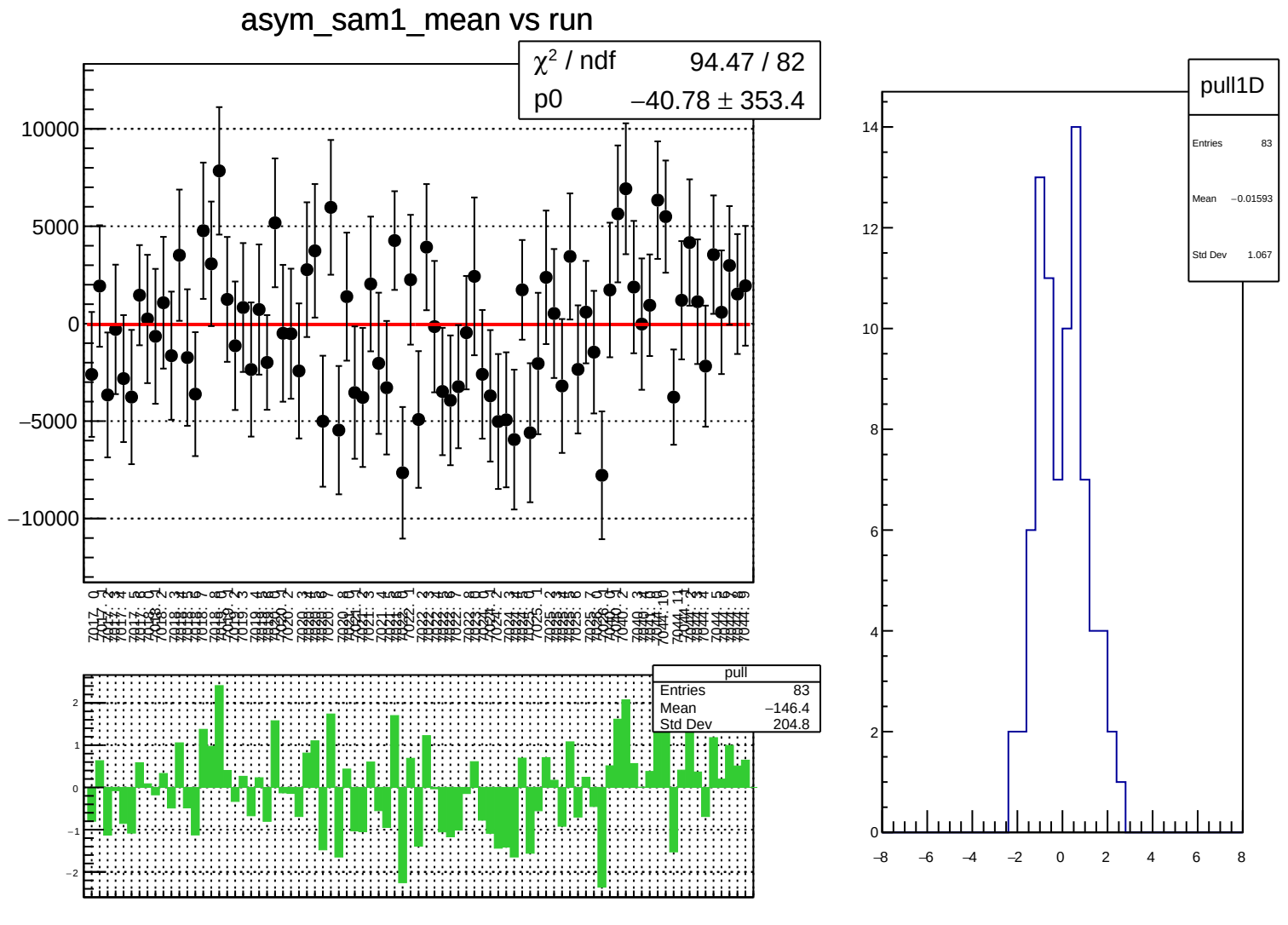

dit_asym_sam1_mean vs run
χ² / ndf 98.49 / 82
p0 134.8 ± 92.47
pull
Entries 83
Mean 687.3
Std Dev 634.2

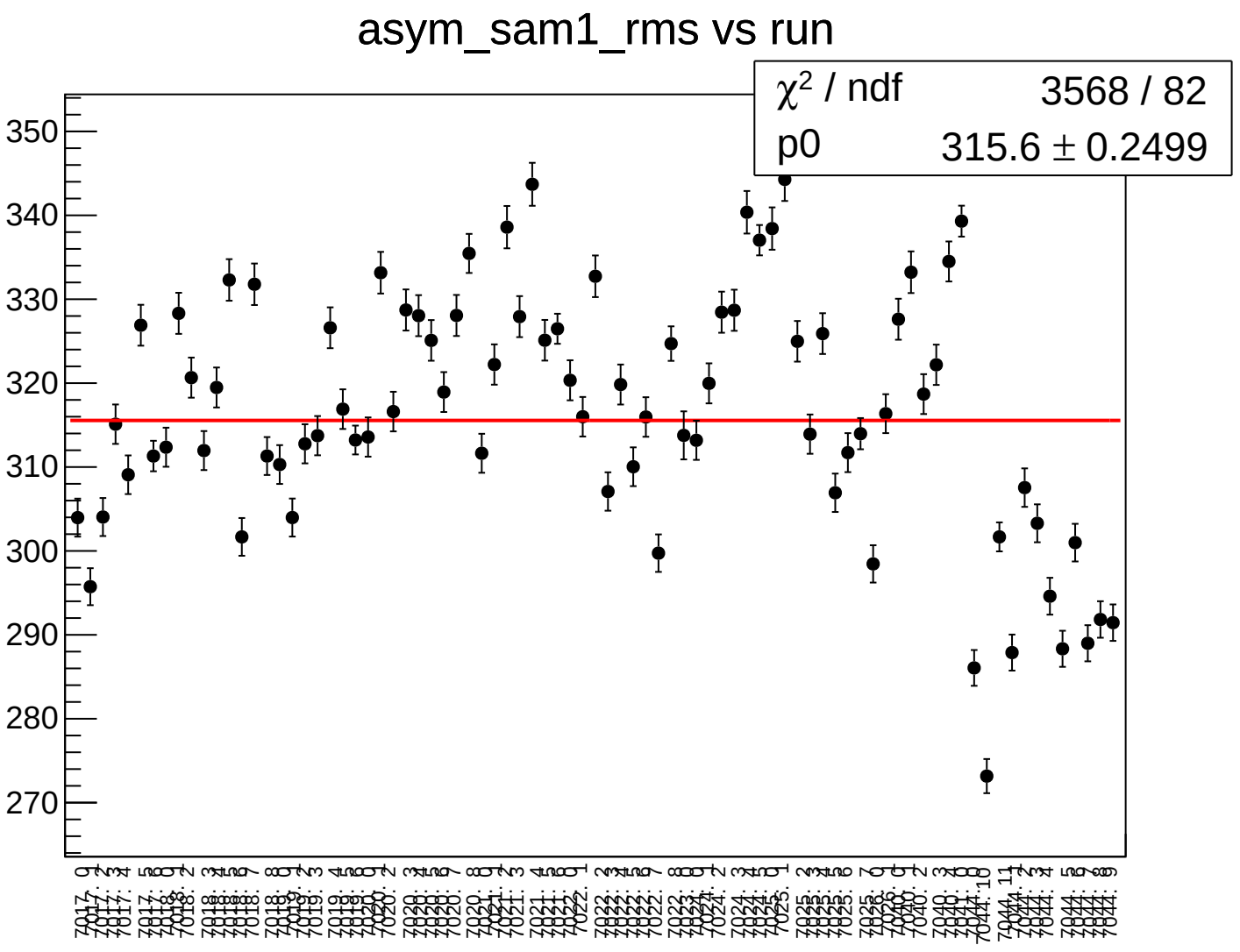

pull1D
Entries 83
Mean 0.005222
Std Dev 1.089

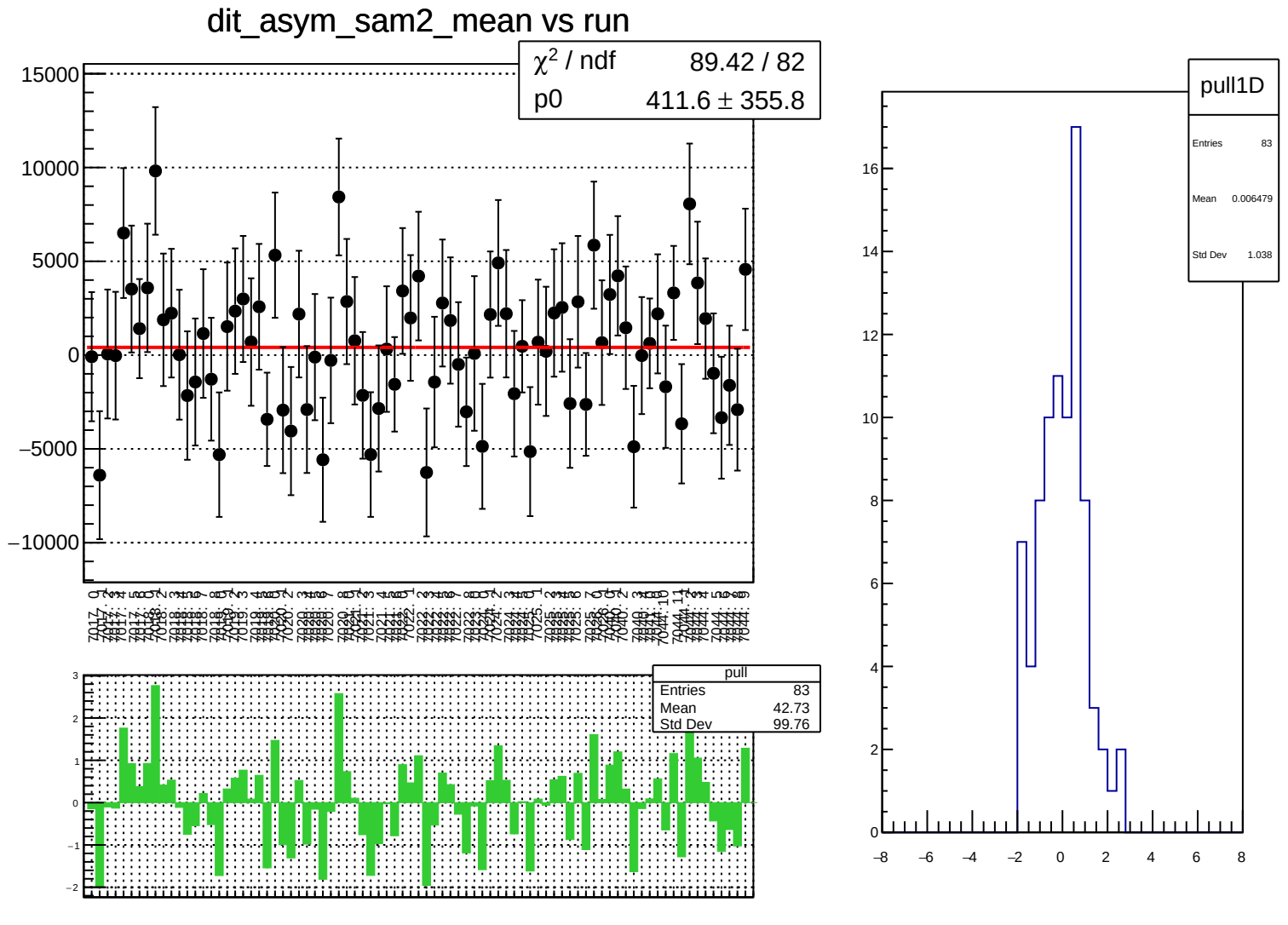

dit_asym_sam1_rms vs run
χ2 / ndf 1085 / 82
p0 82.64 ± 0.06539
88
86
84
82
80
78

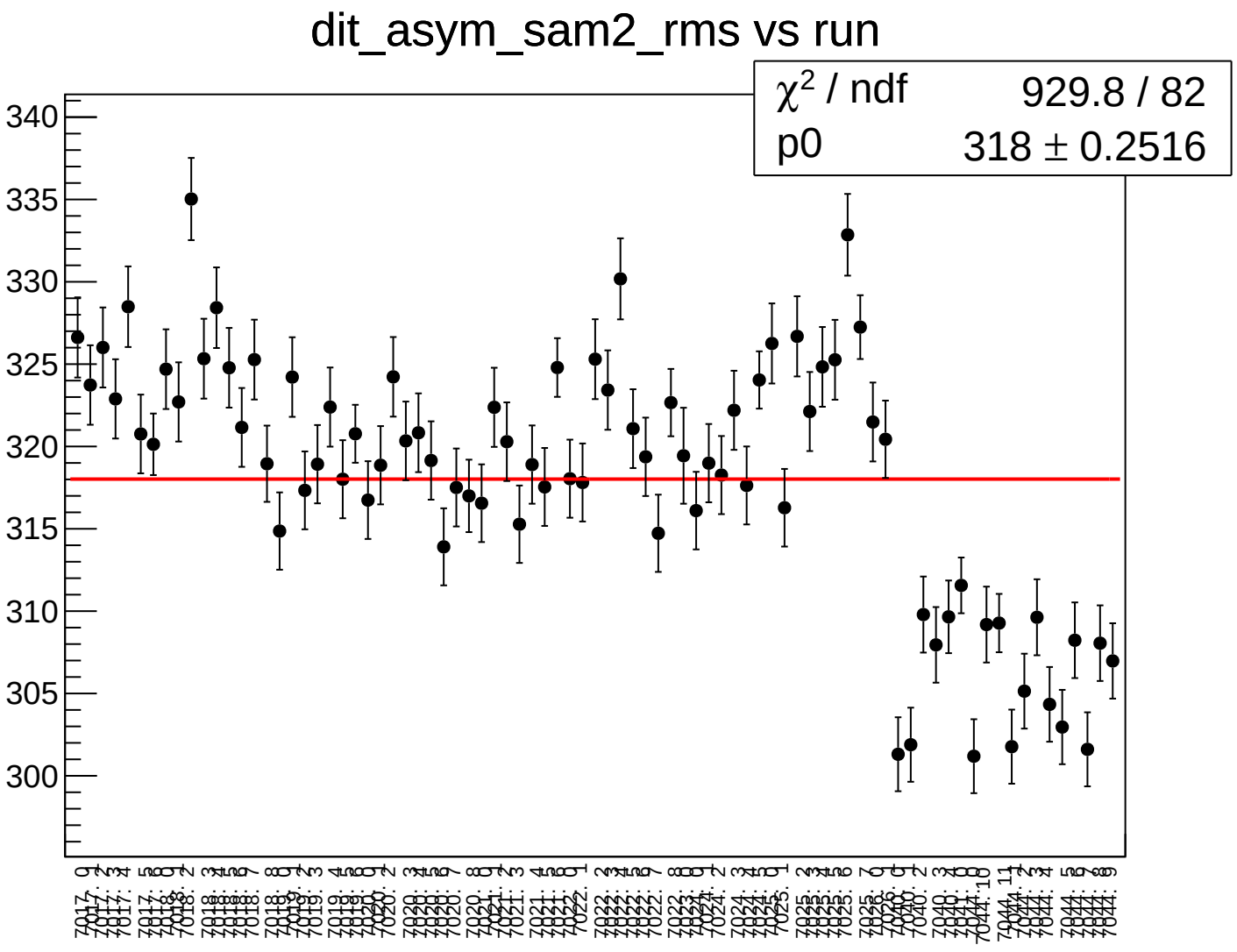

asym_sam1_correction_mean vs run
χ² / ndf 93.27 / 82
p0 150.2 ± 355.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −60.6
Std Dev 120.2
pull1D
Entries 83
Mean 0.02091
Std Dev 1.06

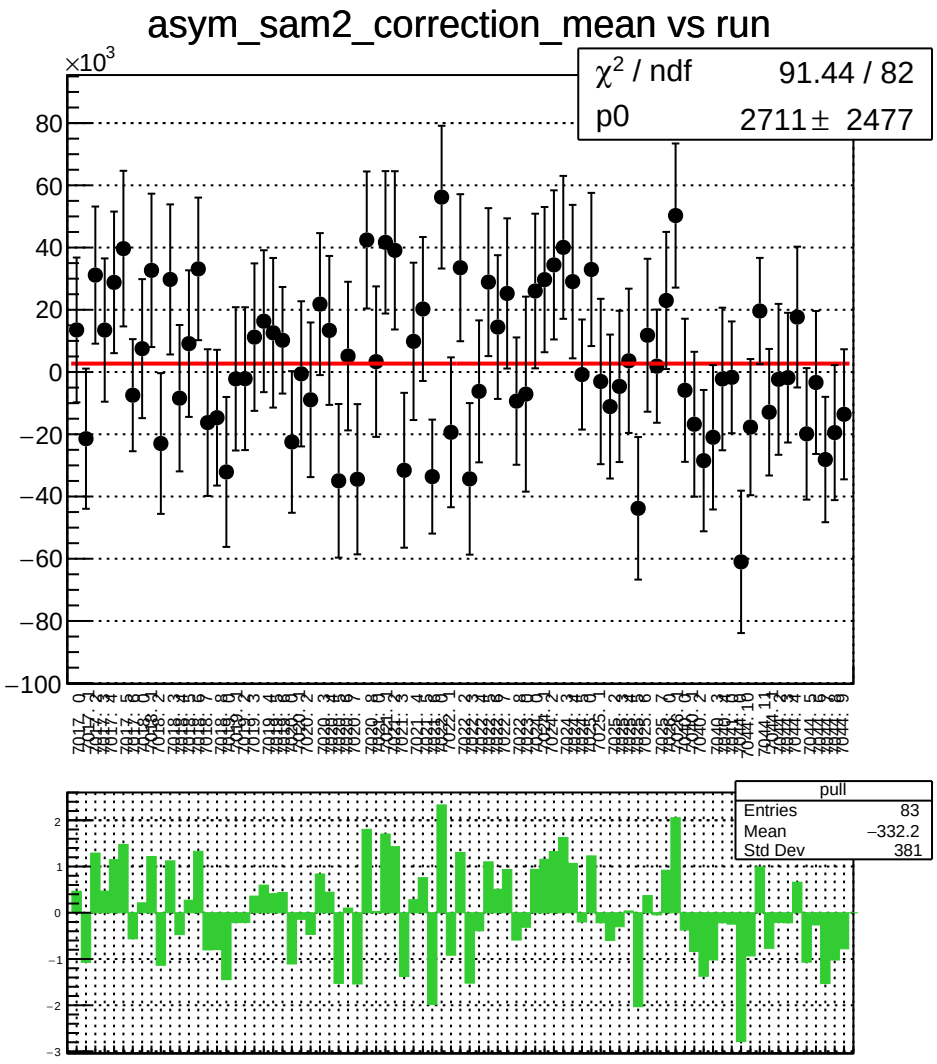

asym_sam1_correction_rms vs run
χ2 / ndf 4490 / 82
p0 317 ± 0.2511
350
340
330
320
310
300
290
280
270
260

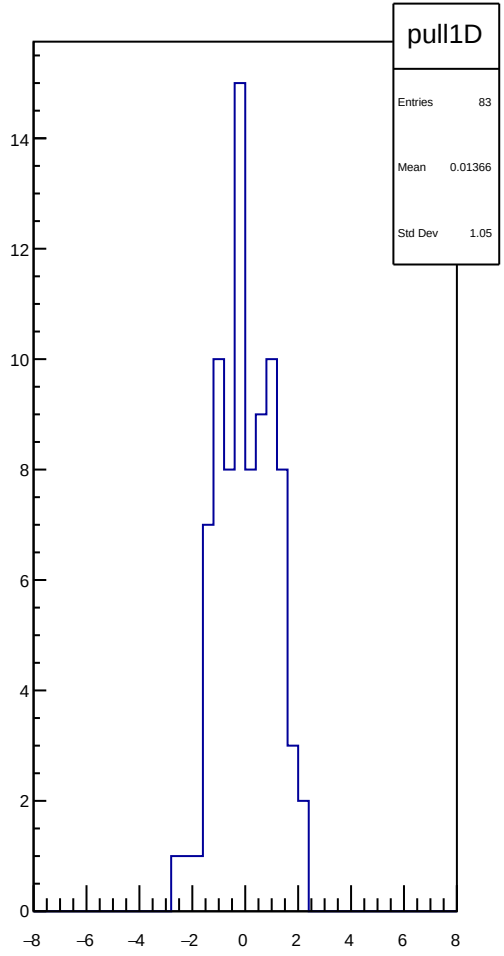

asym_sam1_mean vs run
χ² / ndf 94.47 / 82
p0 −40.78 ± 353.4
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −146.4
Std Dev 204.8
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01593
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

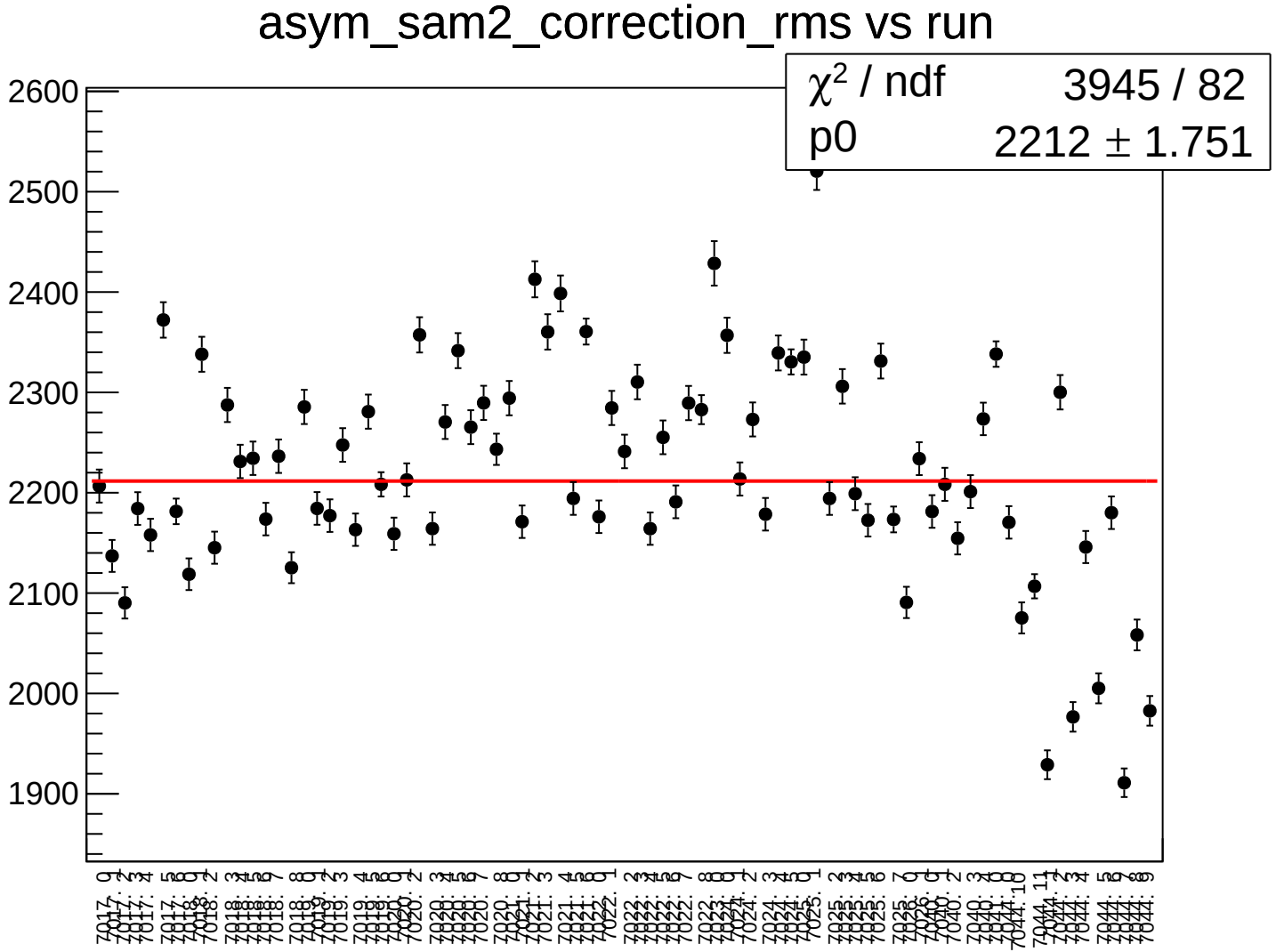

asym_sam1_rms vs run
χ² / ndf 3568 / 82
p0 315.6 ± 0.2499
350
340
330
320
310
300
290
280
270

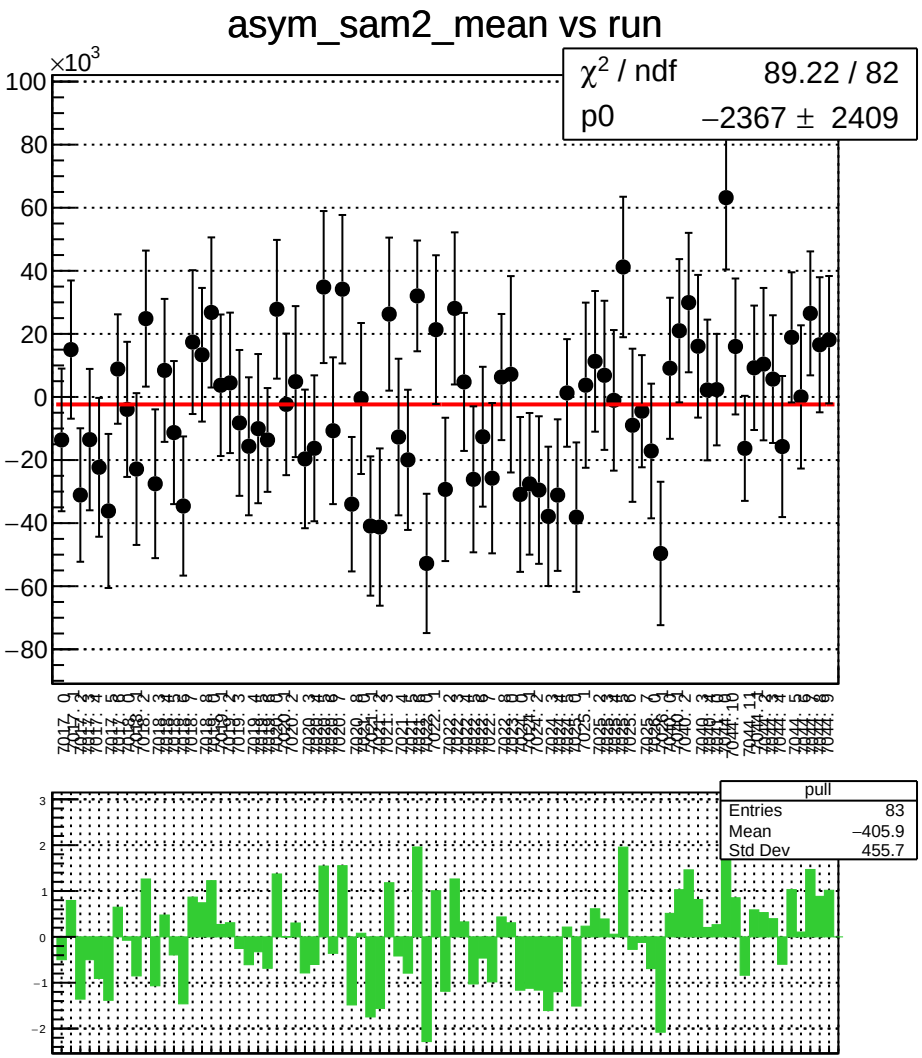

dit_asym_sam2_mean vs run
χ² / ndf 89.42 / 82
p0 411.6 ± 355.8
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean 42.73
Std Dev 99.76
3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.006479
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

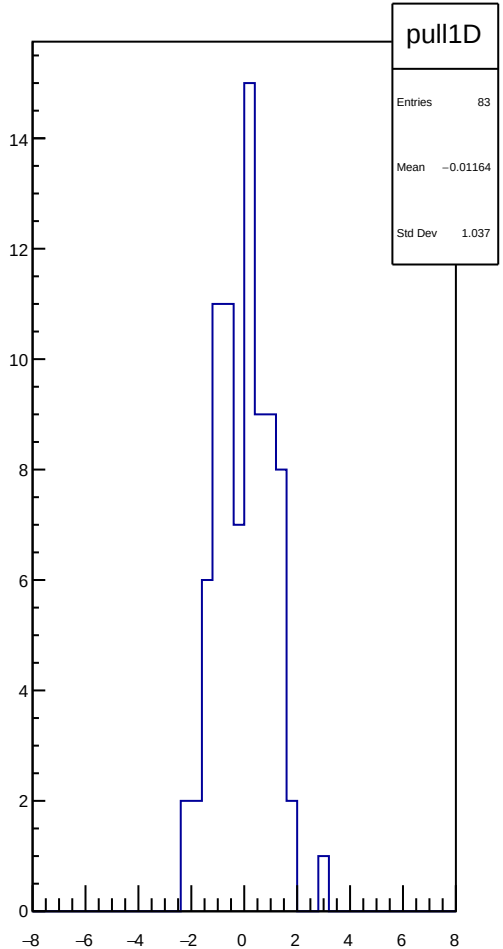

dit_asym_sam2_rms vs run
χ^2 / ndf 929.8 / 82
p0 318 ± 0.2516
340
335
330
325
320
315
310
305
300

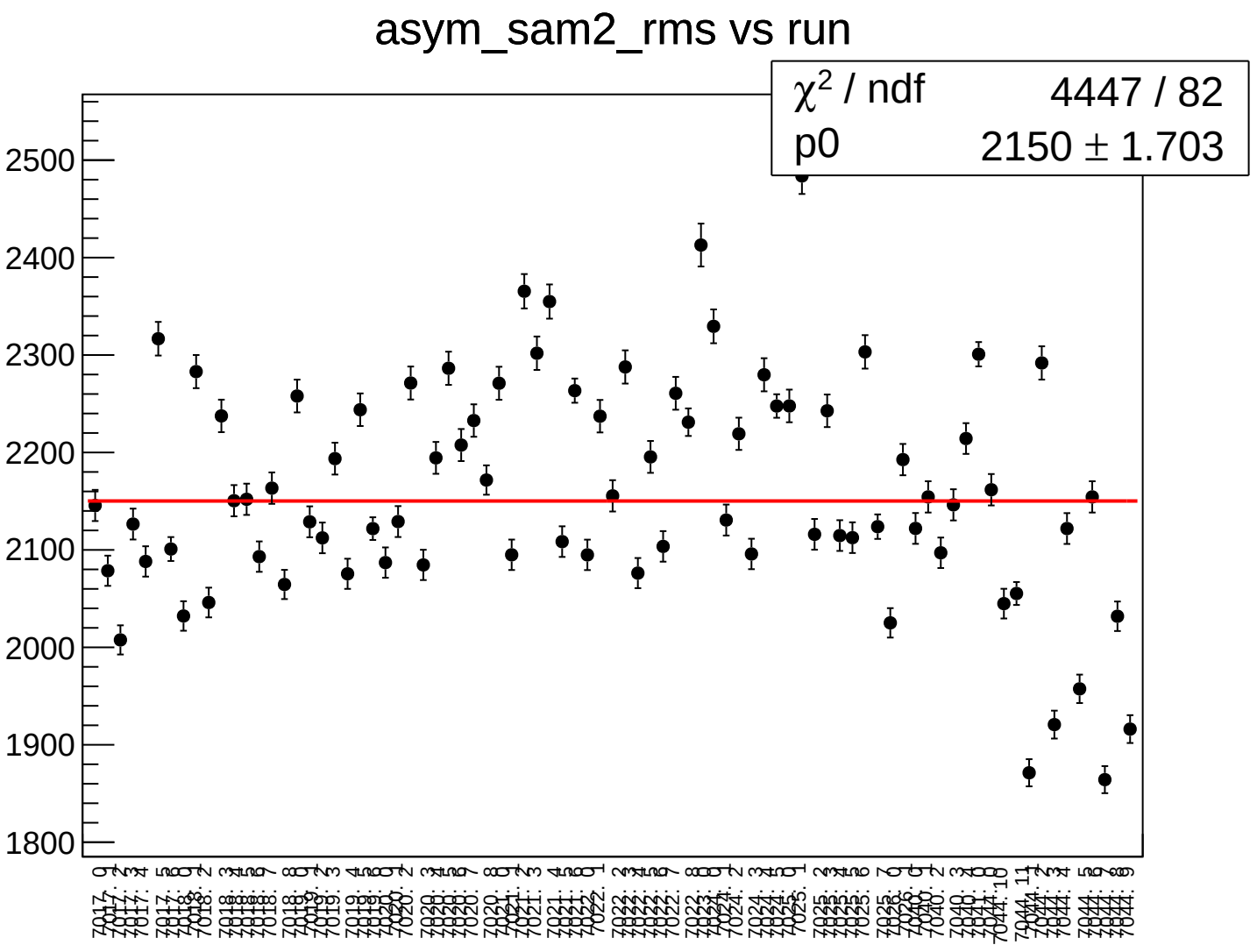

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 91.44 / 82
p0 2711 ± 2477
pull
Entries 83
Mean −332.2
Std Dev 381

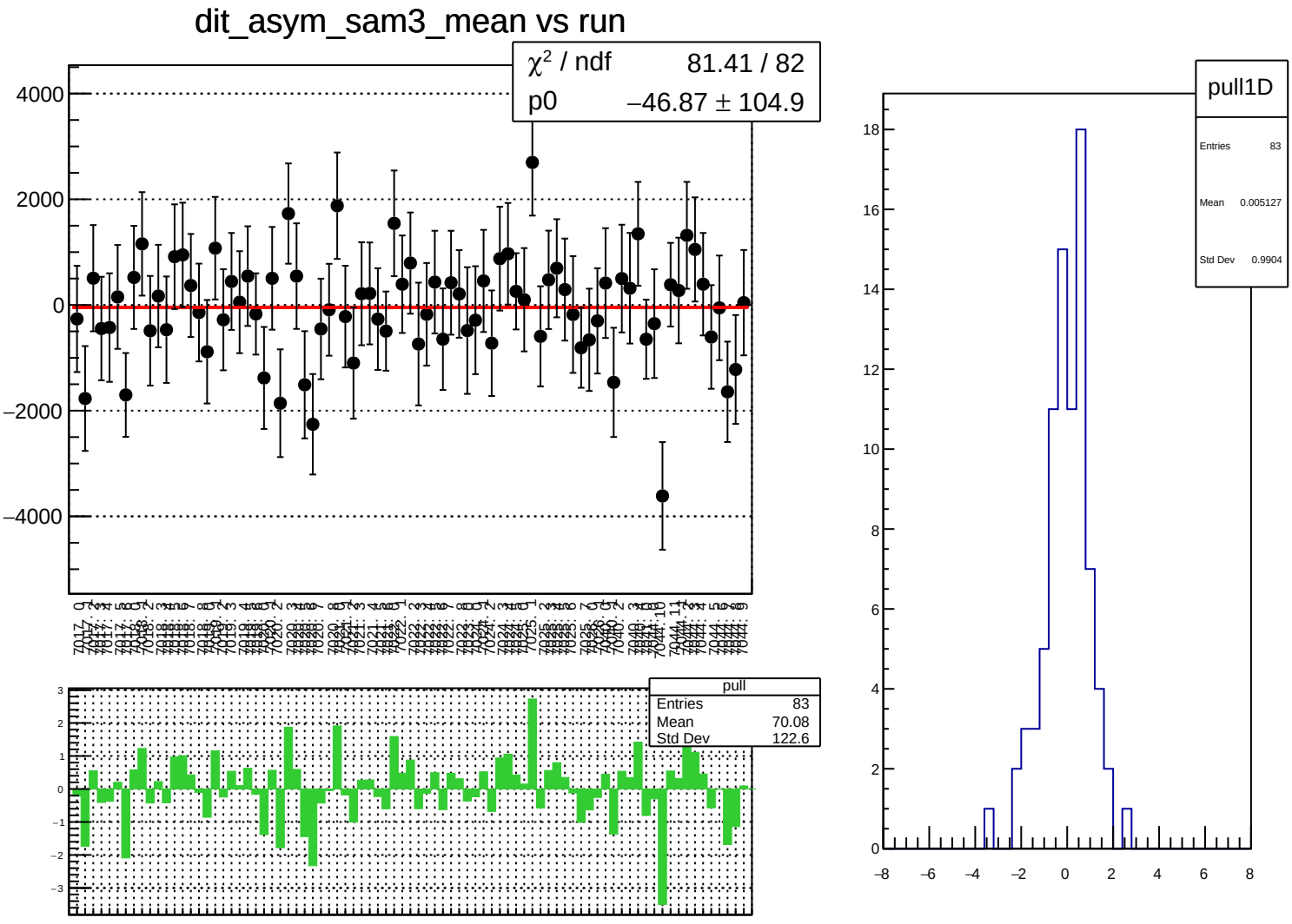

pull1D
Entries 83
Mean 0.01366
Std Dev 1.05

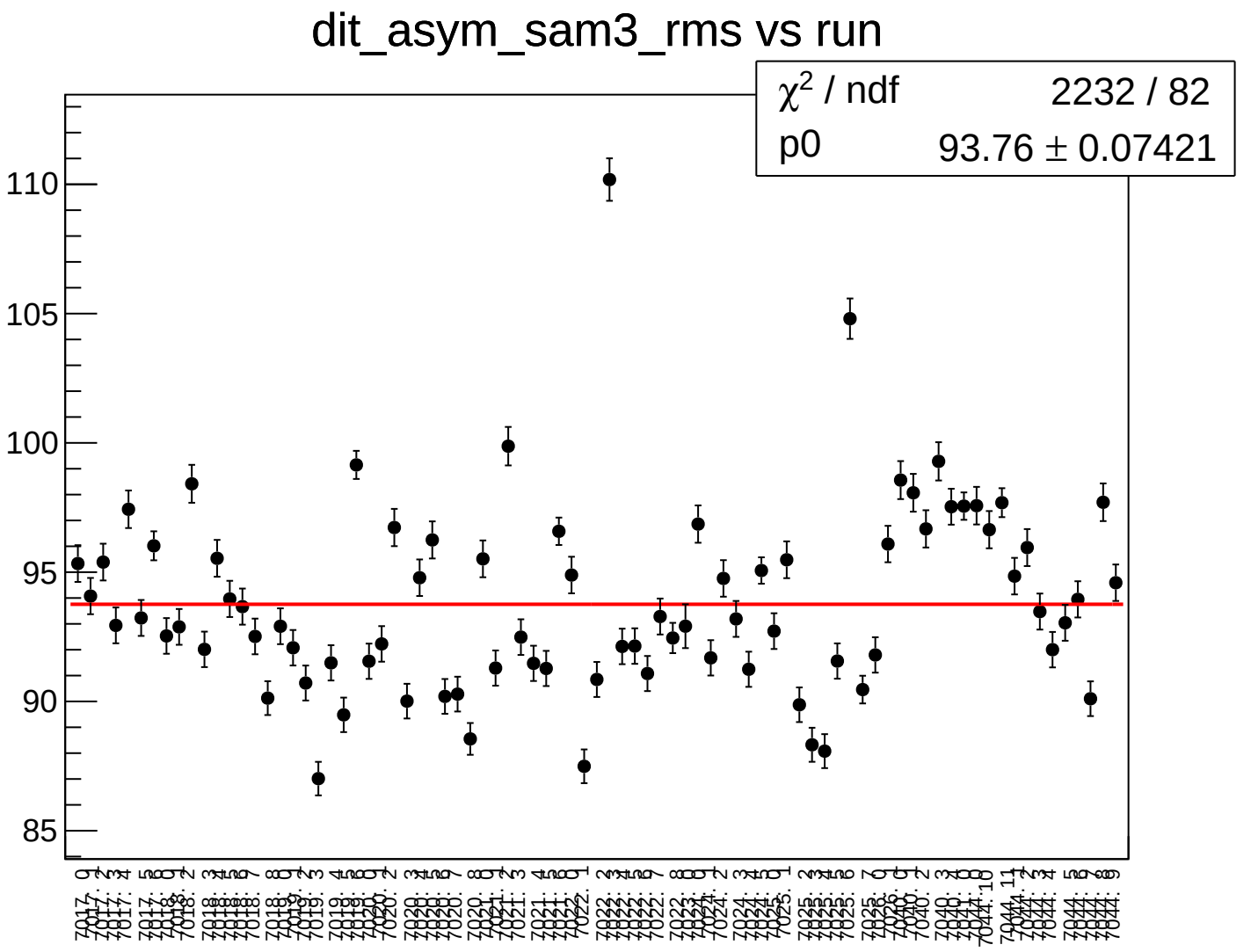

asym_sam2_correction_rms vs run
χ² / ndf 3945 / 82
p0 2212 ± 1.751
2600
2500
2400
2300
2200
2100
2000
1900

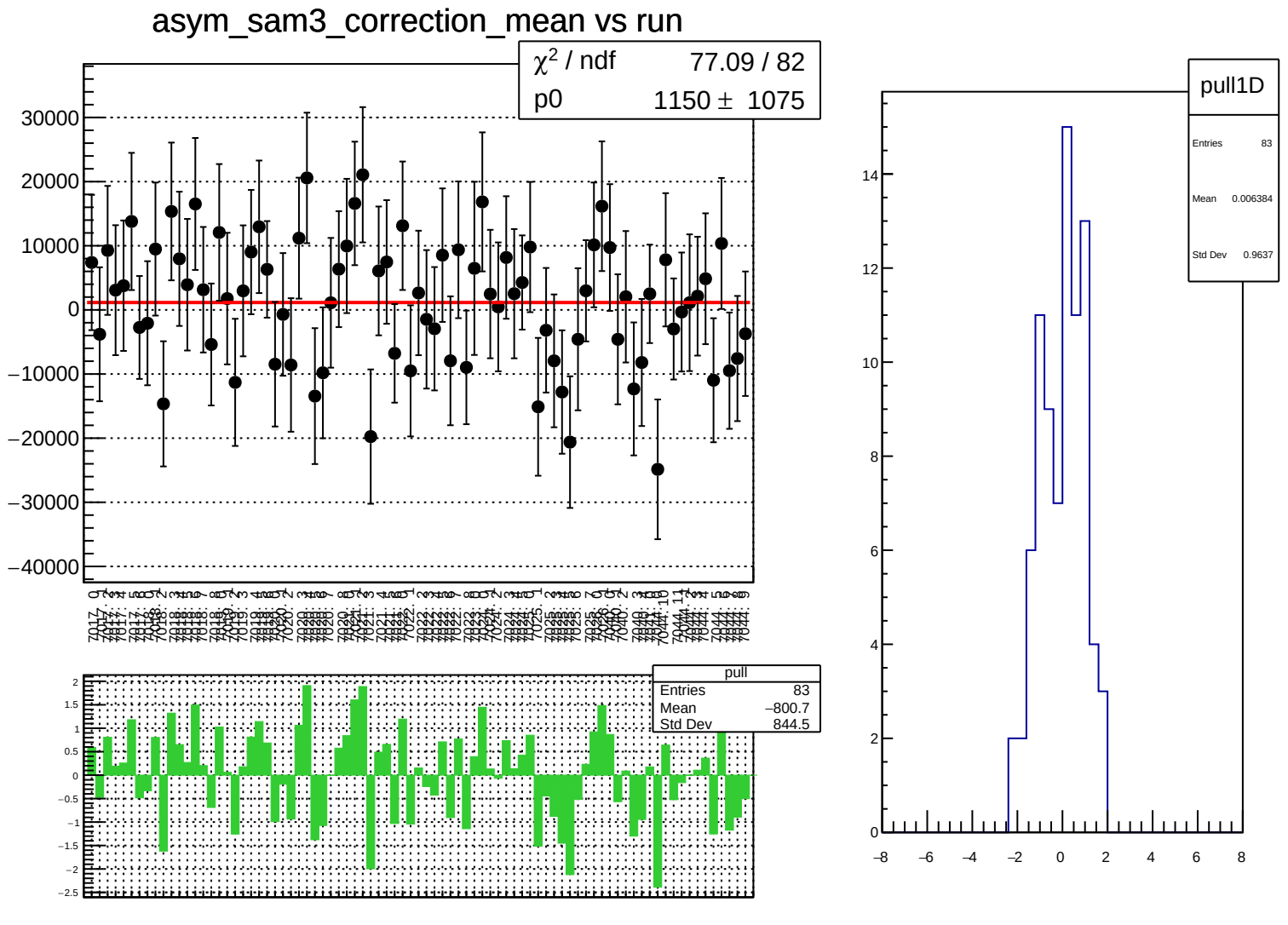

asym_sam2_mean vs run
×10^3
χ² / ndf 89.22 / 82
p0 −2367 ± 2409
pull
Entries 83
Mean −405.9
Std Dev 455.7

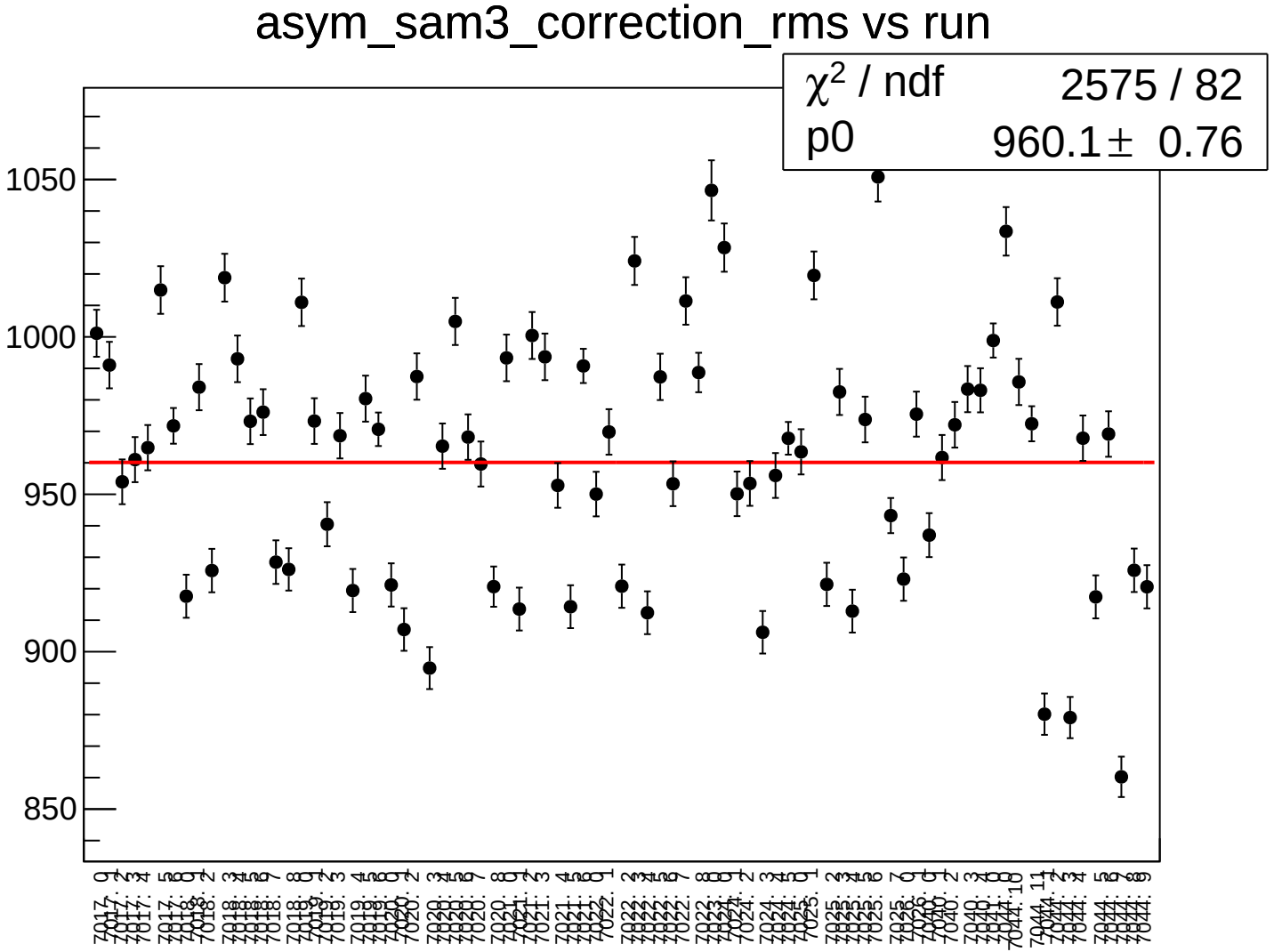

pull1D
Entries 83
Mean −0.01164
Std Dev 1.037

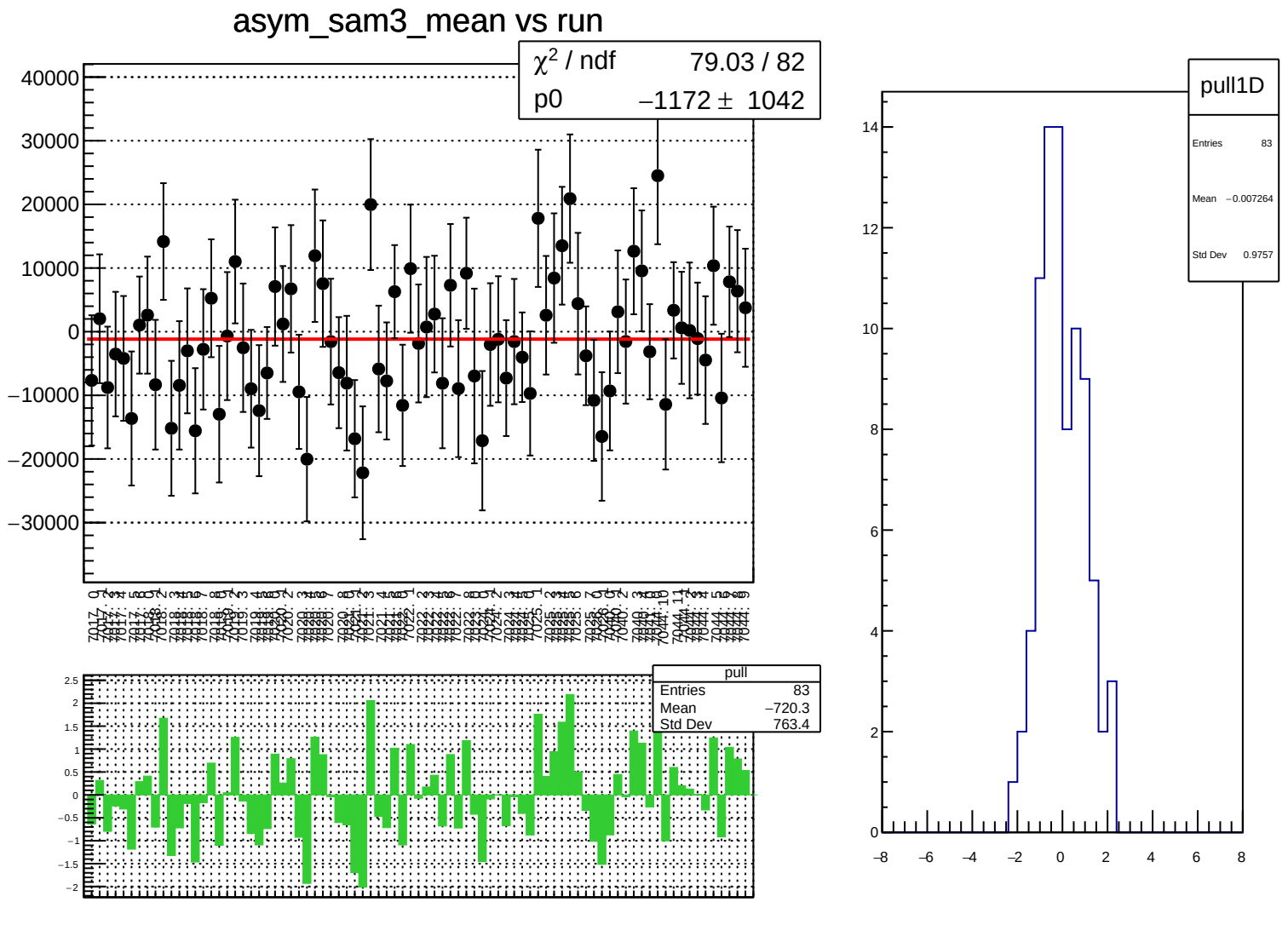

asym_sam2_rms vs run
χ2 / ndf 4447 / 82
p0 2150 ± 1.703
2500
2400
2300
2200
2100
2000
1900
1800

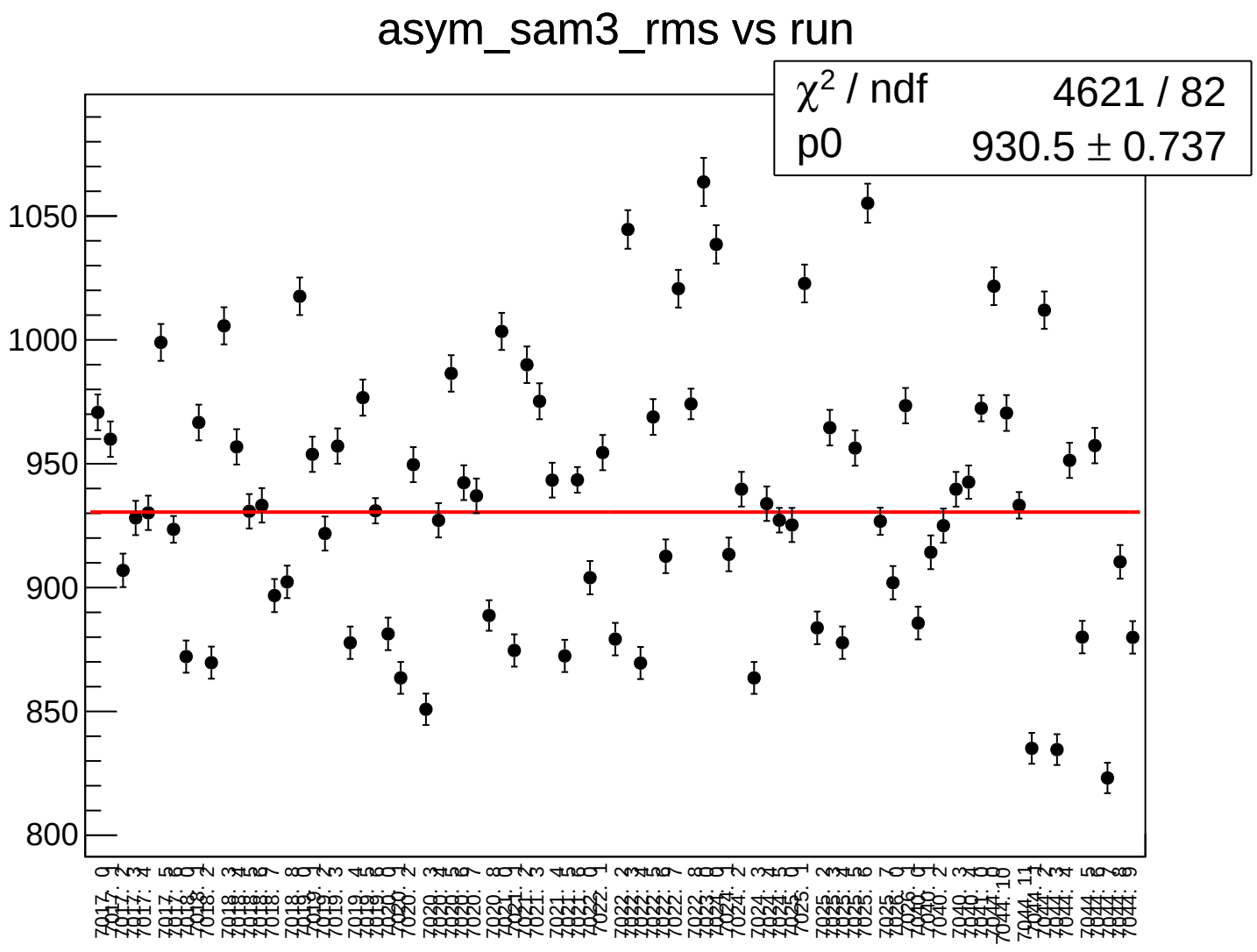

dit_asym_sam3_mean vs run
χ² / ndf 81.41 / 82
p0 −46.87 ± 104.9
pull
Entries 83
Mean 70.08
Std Dev 122.6
pull1D
Entries 83
Mean 0.005127
Std Dev 0.9904

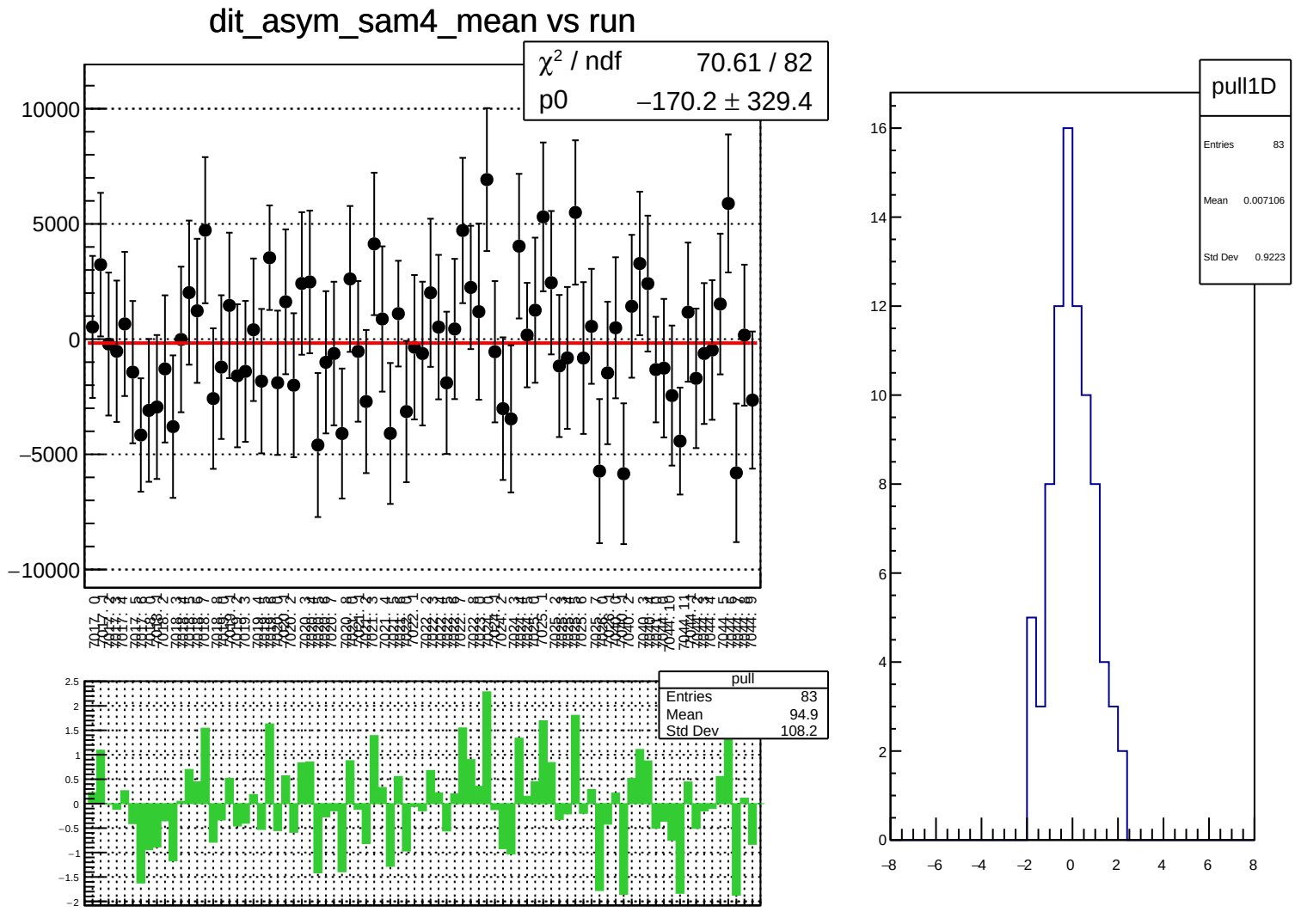

dit_asym_sam3_rms vs run
χ^2 / ndf 2232 / 82
p0 93.76 ± 0.07421
110
105
100
95
90
85

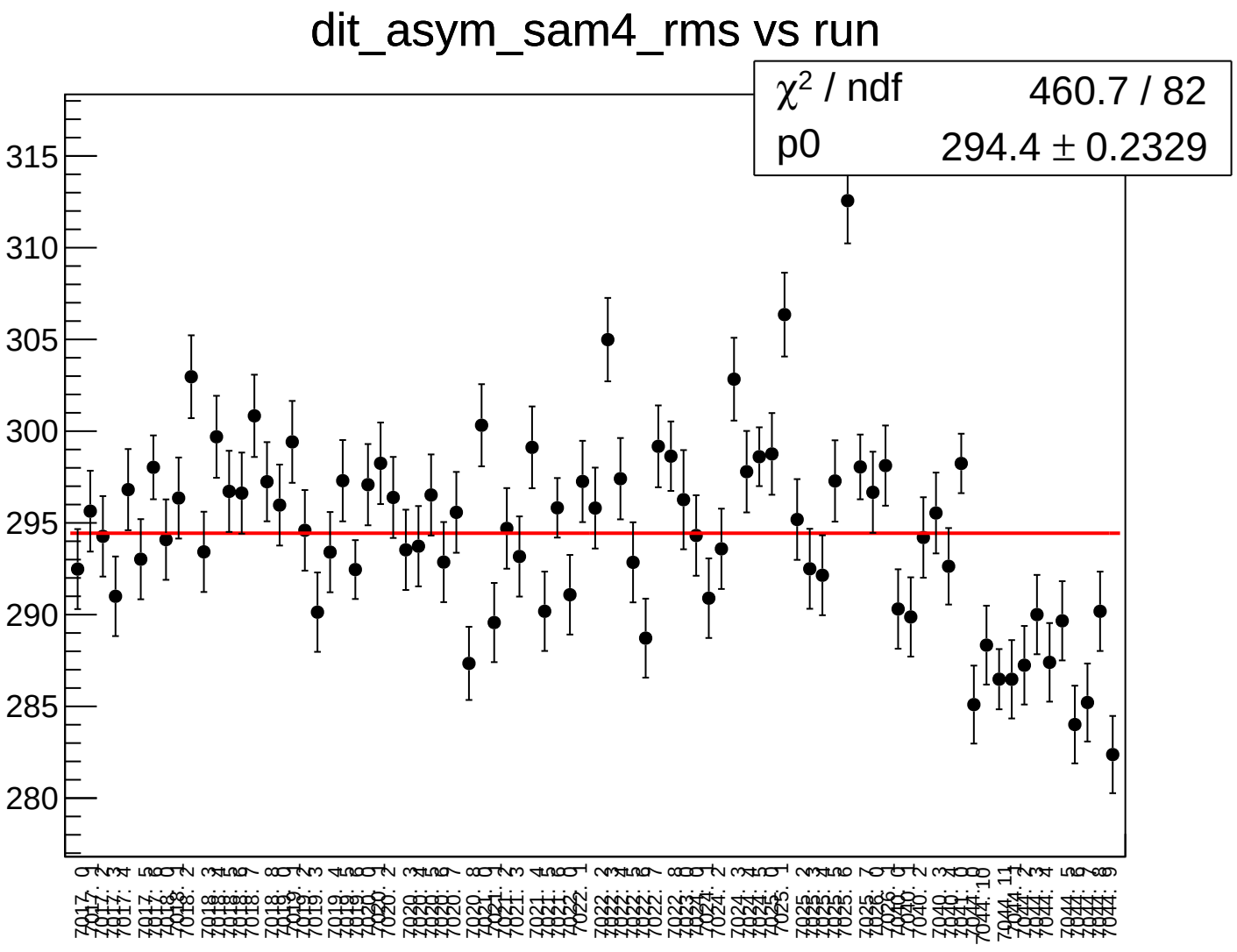

asym_sam3_correction_mean vs run
χ² / ndf 77.09 / 82
p0 1150 ± 1075
pull
Entries 83
Mean −800.7
Std Dev 844.5
pull1D
Entries 83
Mean 0.006384
Std Dev 0.9637

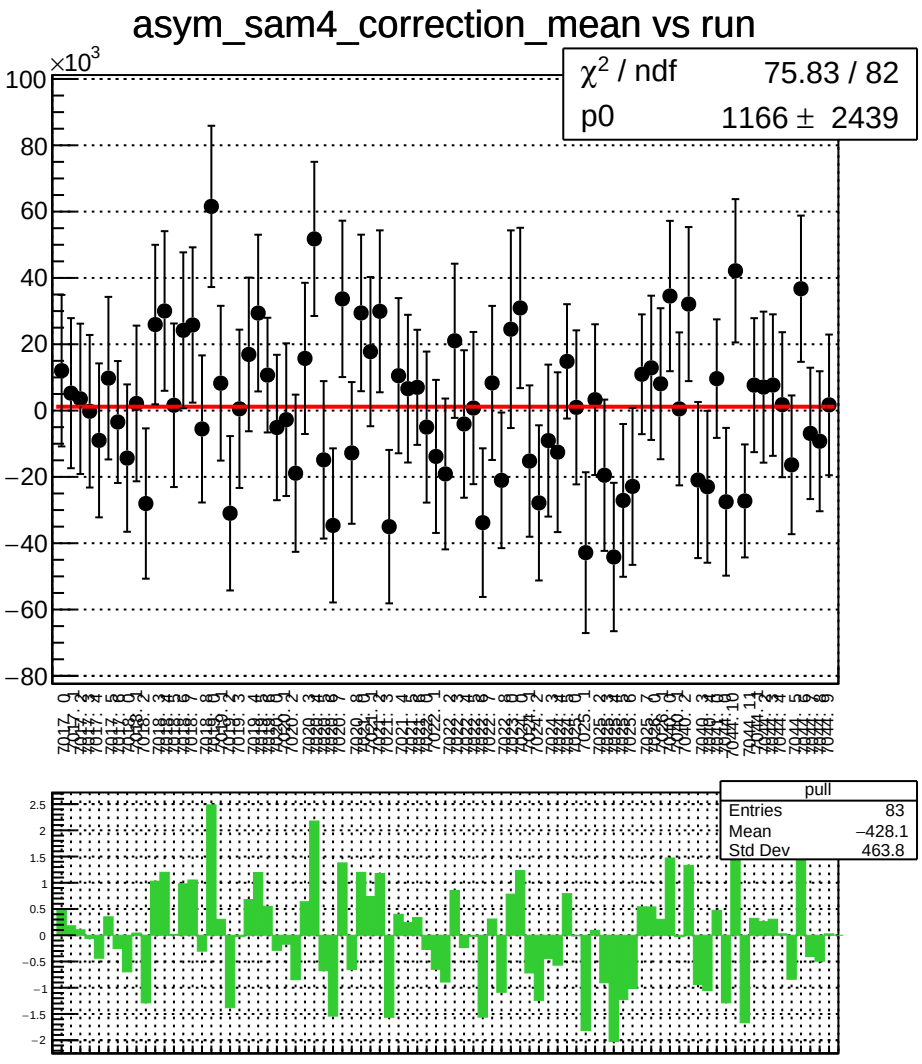

asym_sam3_correction_rms vs run
χ2 / ndf 2575 / 82
p0 960.1 ± 0.76
1050
1000
950
900
850

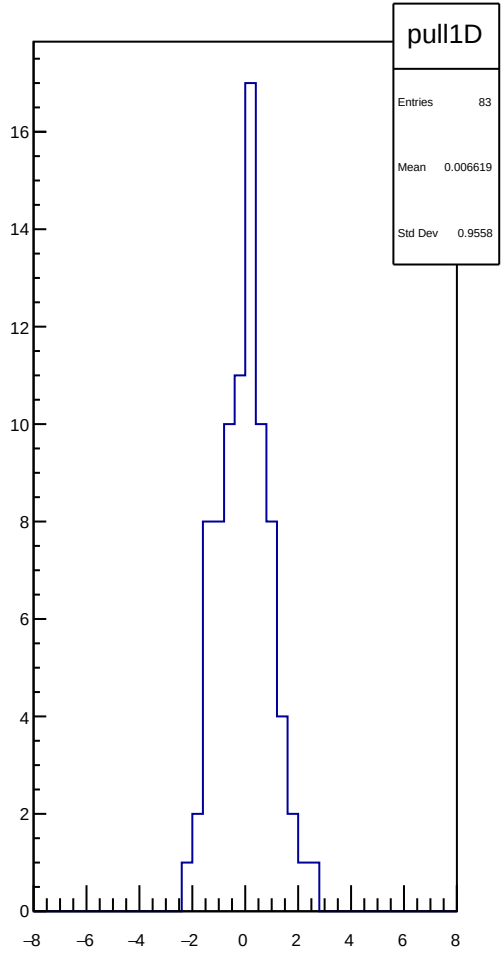

asym_sam3_mean vs run
χ² / ndf 79.03 / 82
p0 −1172 ± 1042
pull
Entries 83
Mean −720.3
Std Dev 763.4
pull1D
Entries 83
Mean −0.007264
Std Dev 0.9757

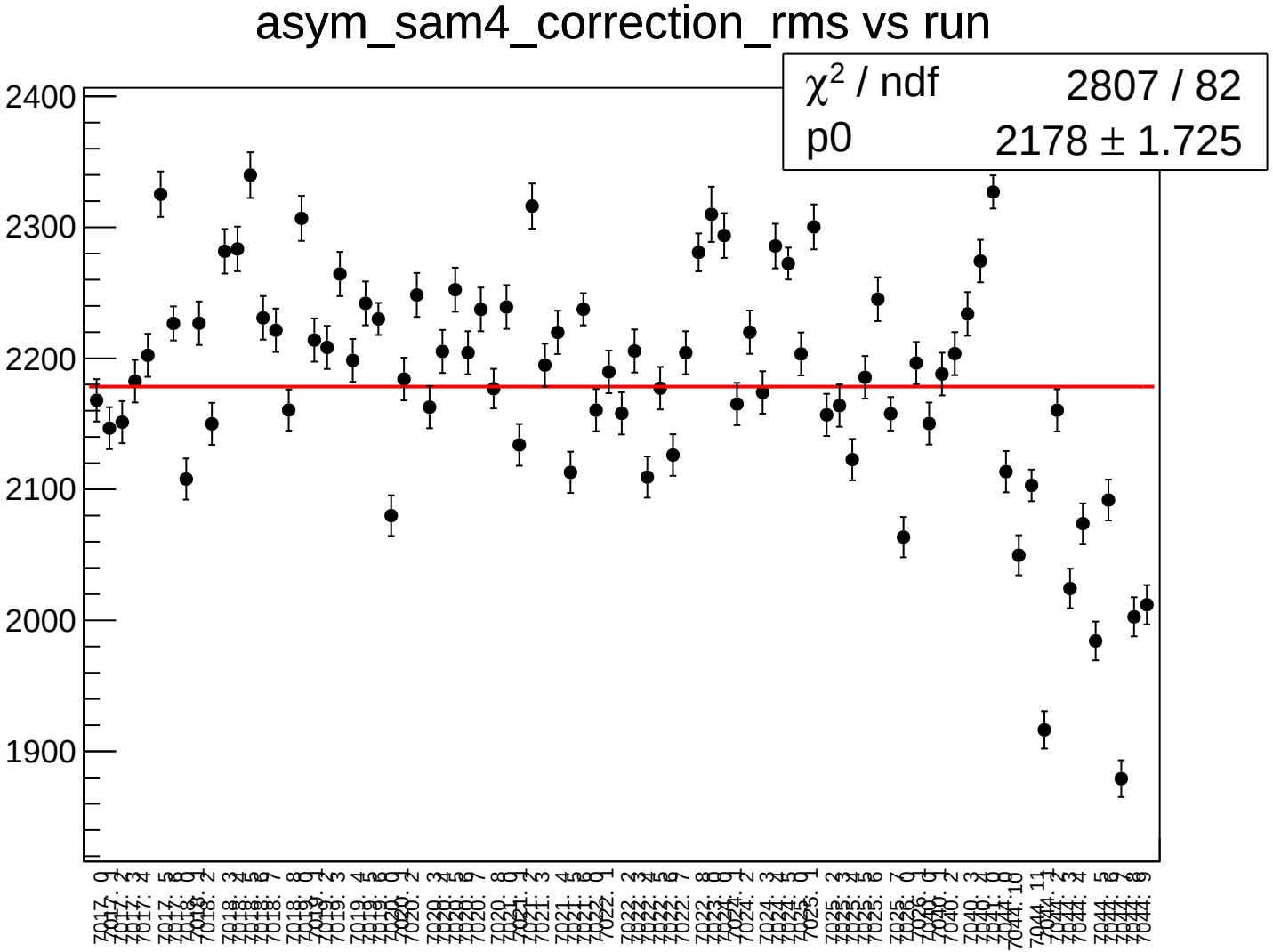

asym_sam3_rms vs run
χ2 / ndf 4621 / 82
p0 930.5 ± 0.737
1050
1000
950
900
850
800

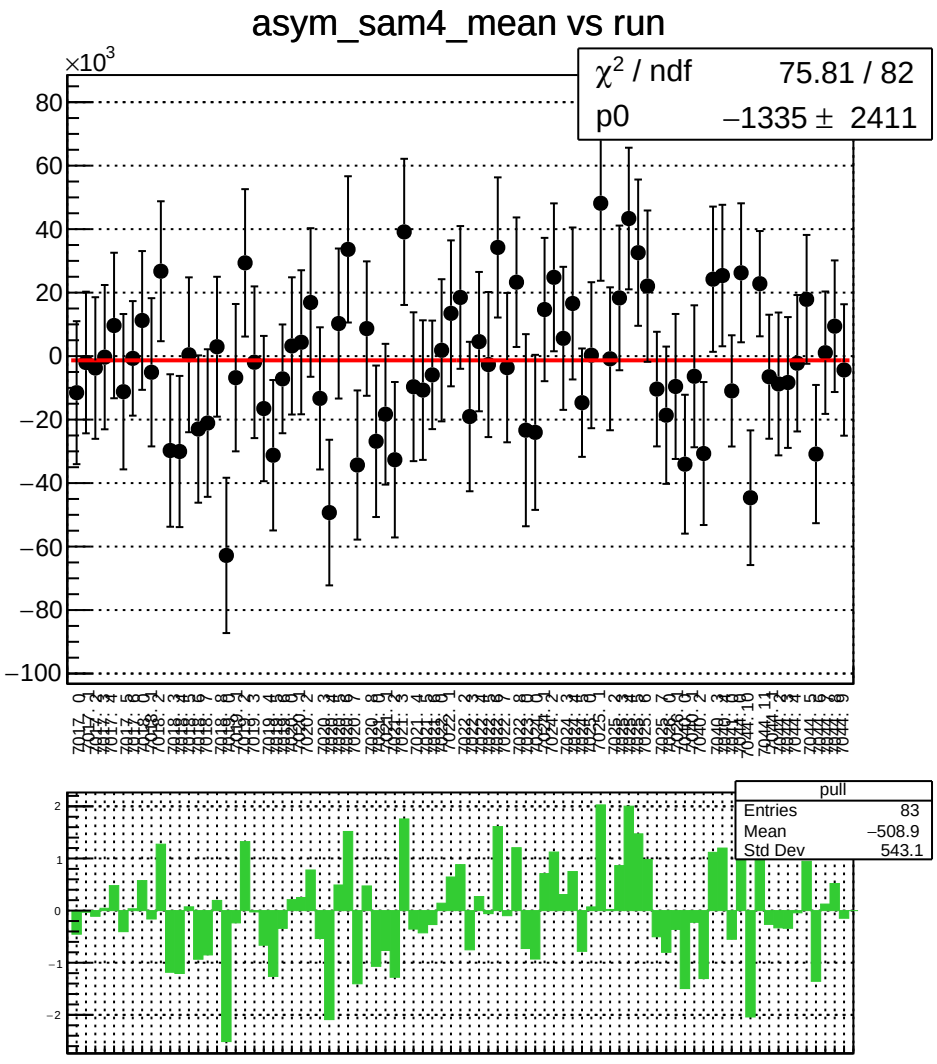

dit_asym_sam4_mean vs run
χ² / ndf 70.61 / 82
p0 −170.2 ± 329.4
pull
Entries 83
Mean 94.9
Std Dev 108.2
pull1D
Entries 83
Mean 0.007106
Std Dev 0.9223

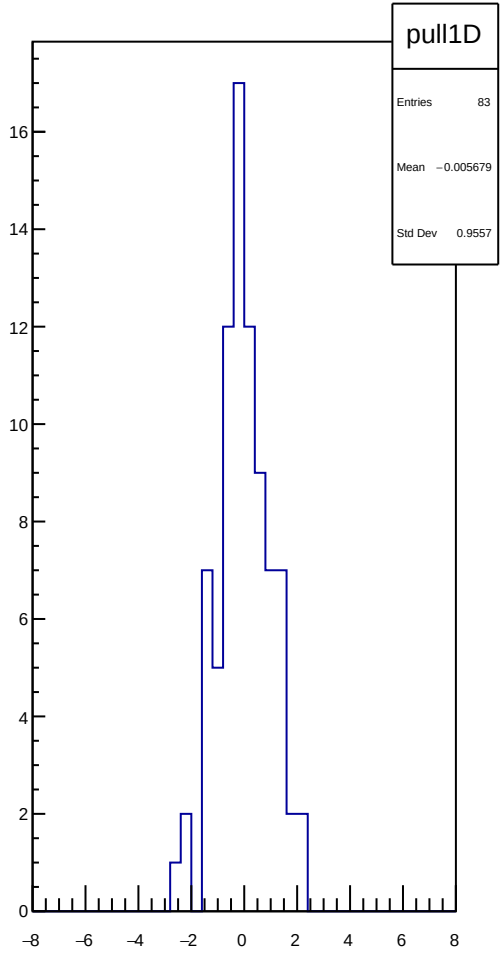

dit_asym_sam4_rms vs run
χ² / ndf 460.7 / 82
p0 294.4 ± 0.2329
315
310
305
300
295
290
285
280

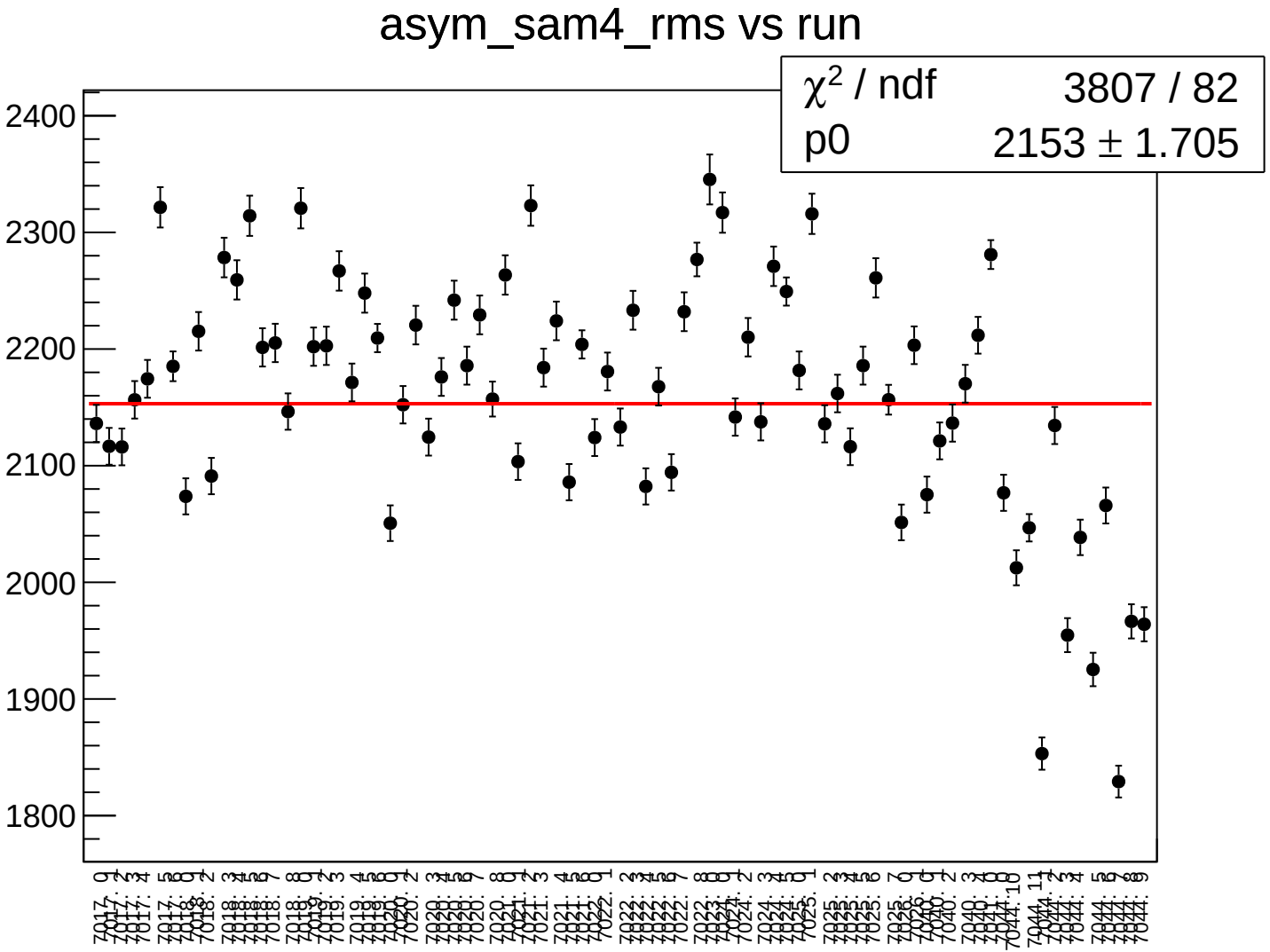

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 75.83 / 82
p0 1166 ± 2439
pull
Entries 83
Mean −428.1
Std Dev 463.8

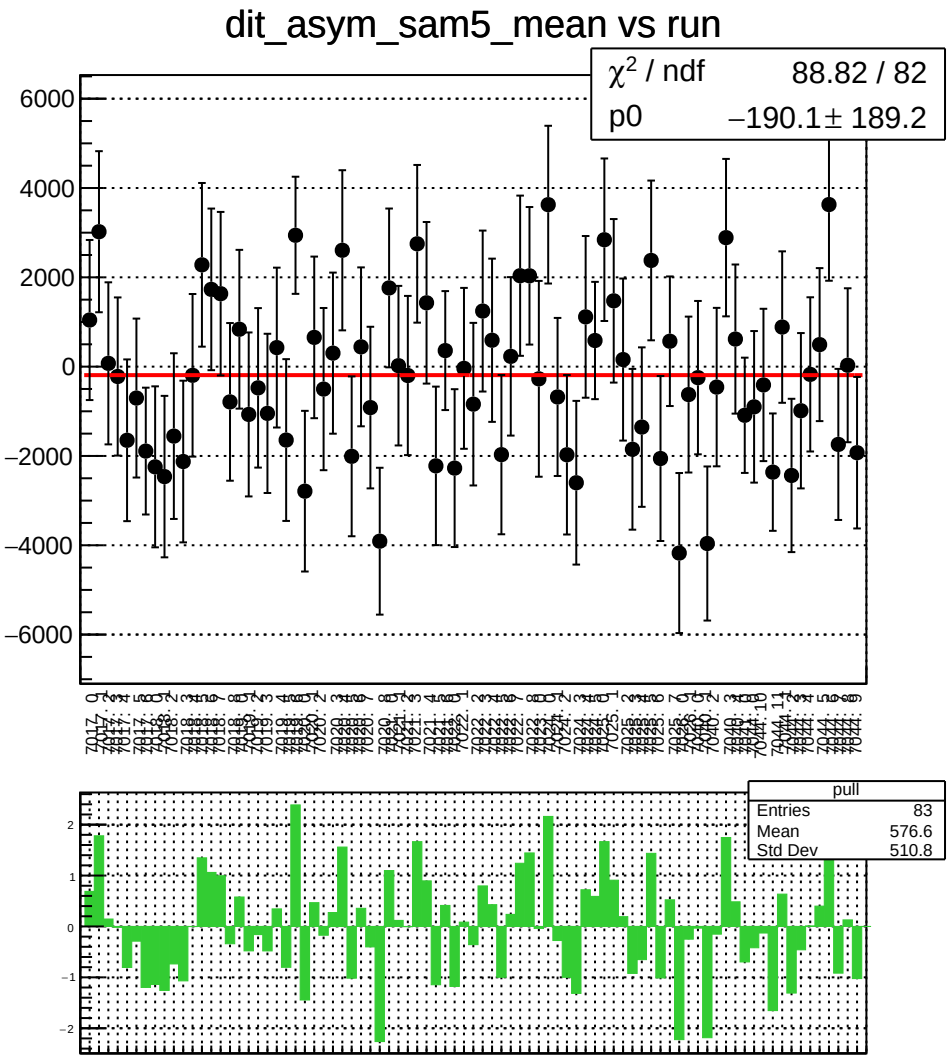

pull1D
Entries 83
Mean 0.006619
Std Dev 0.9558

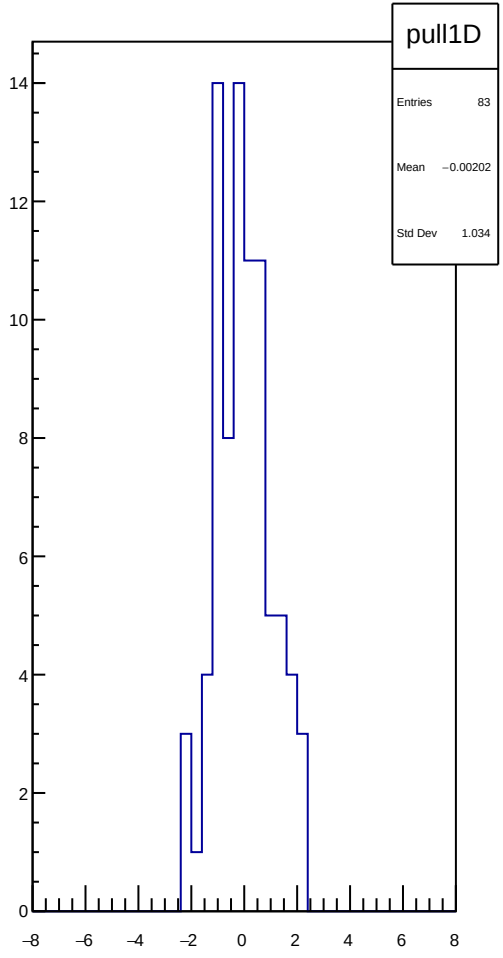

asym_sam4_correction_rms vs run
χ² / ndf 2807 / 82
p0 2178 ± 1.725
2400
2300
2200
2100
2000
1900

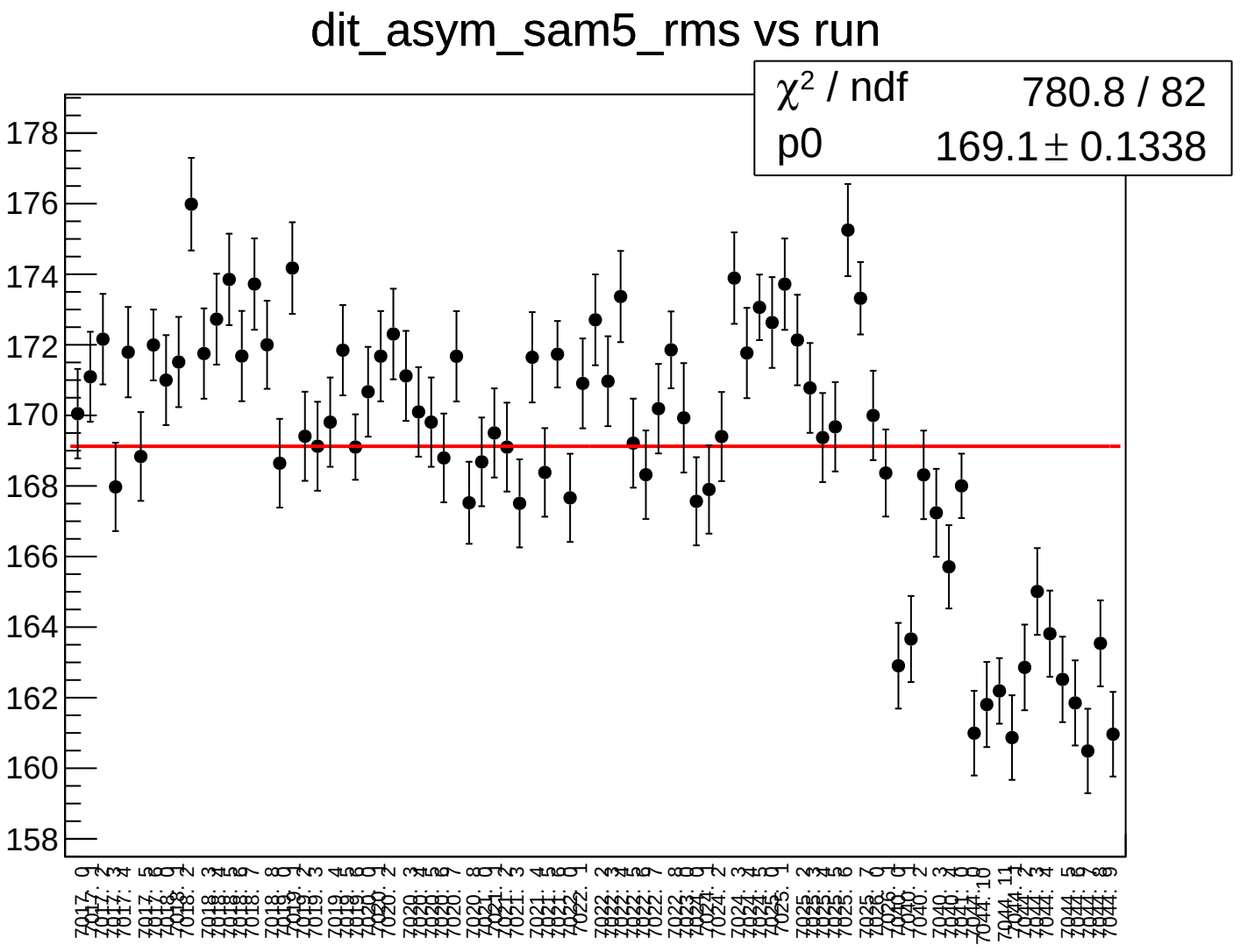

asym_sam4_mean vs run
×10^3
χ² / ndf 75.81 / 82
p0 −1335 ± 2411
pull
Entries 83
Mean −508.9
Std Dev 543.1

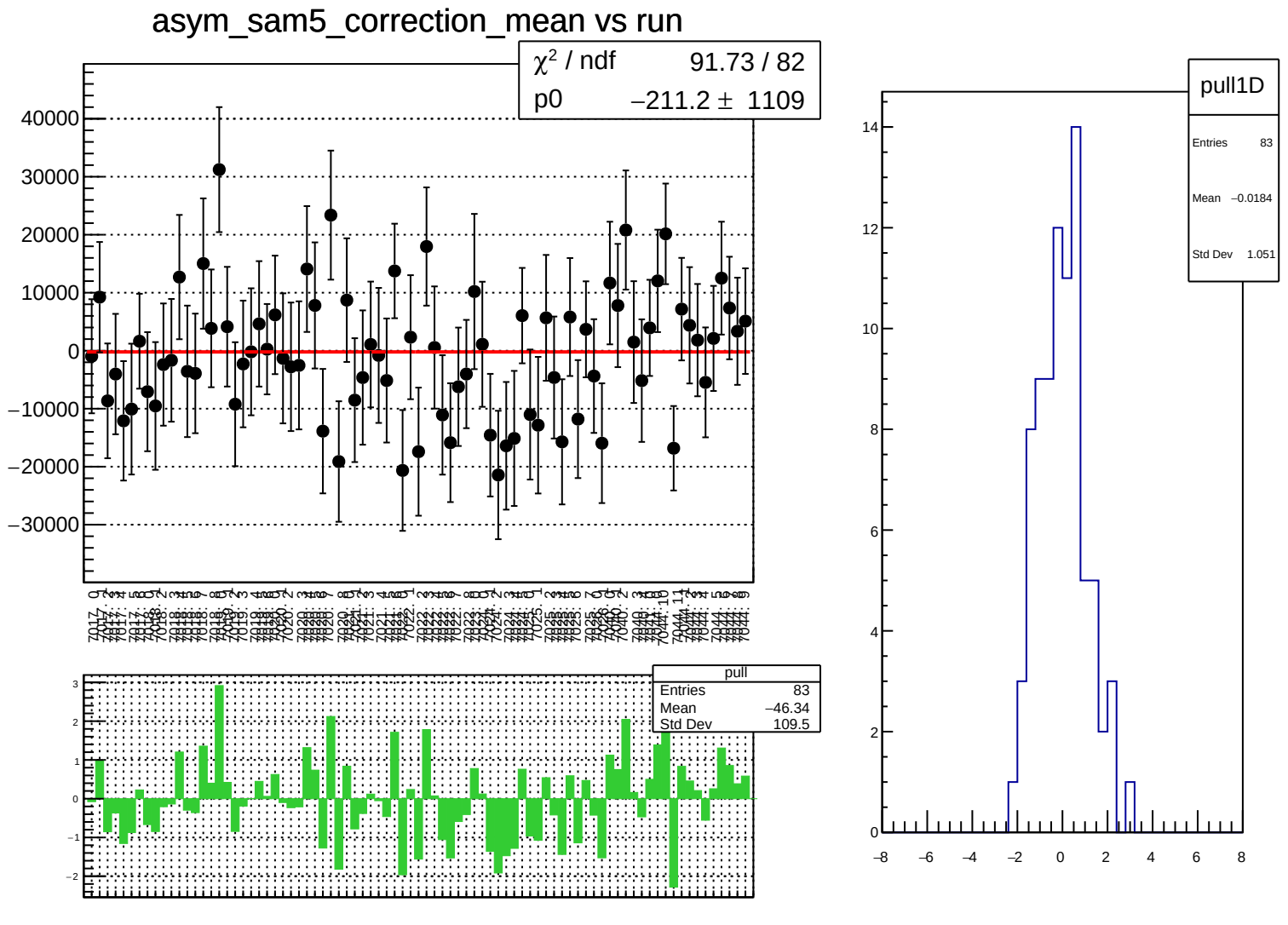

pull1D
Entries 83
Mean −0.005679
Std Dev 0.9557

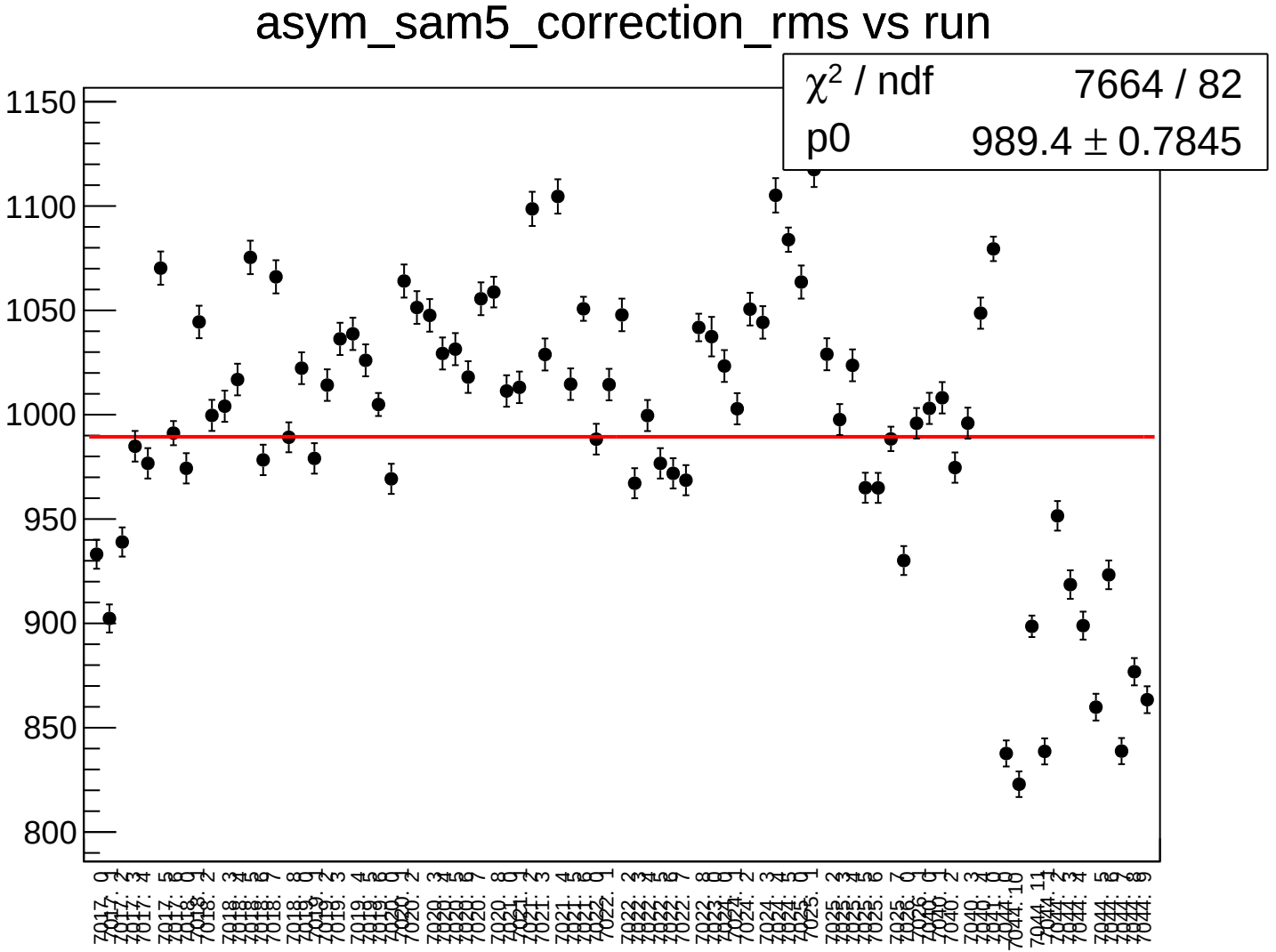

asym_sam4_rms vs run
χ² / ndf 3807 / 82
p0 2153 ± 1.705
2400
2300
2200
2100
2000
1900
1800

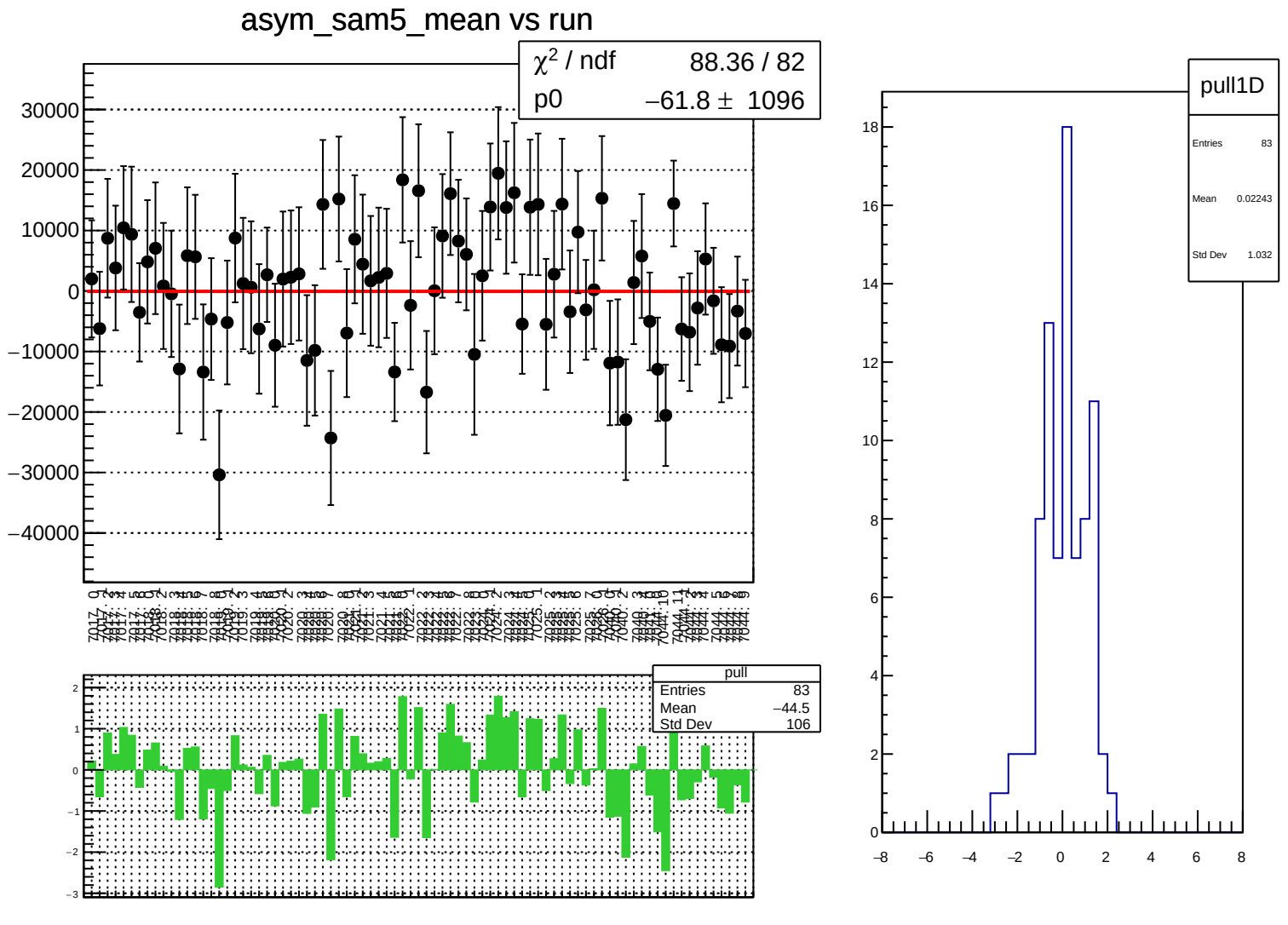

dit_asym_sam5_mean vs run
χ² / ndf 88.82 / 82
p0 −190.1 ± 189.2
pull
Entries 83
Mean 576.6
Std Dev 510.8

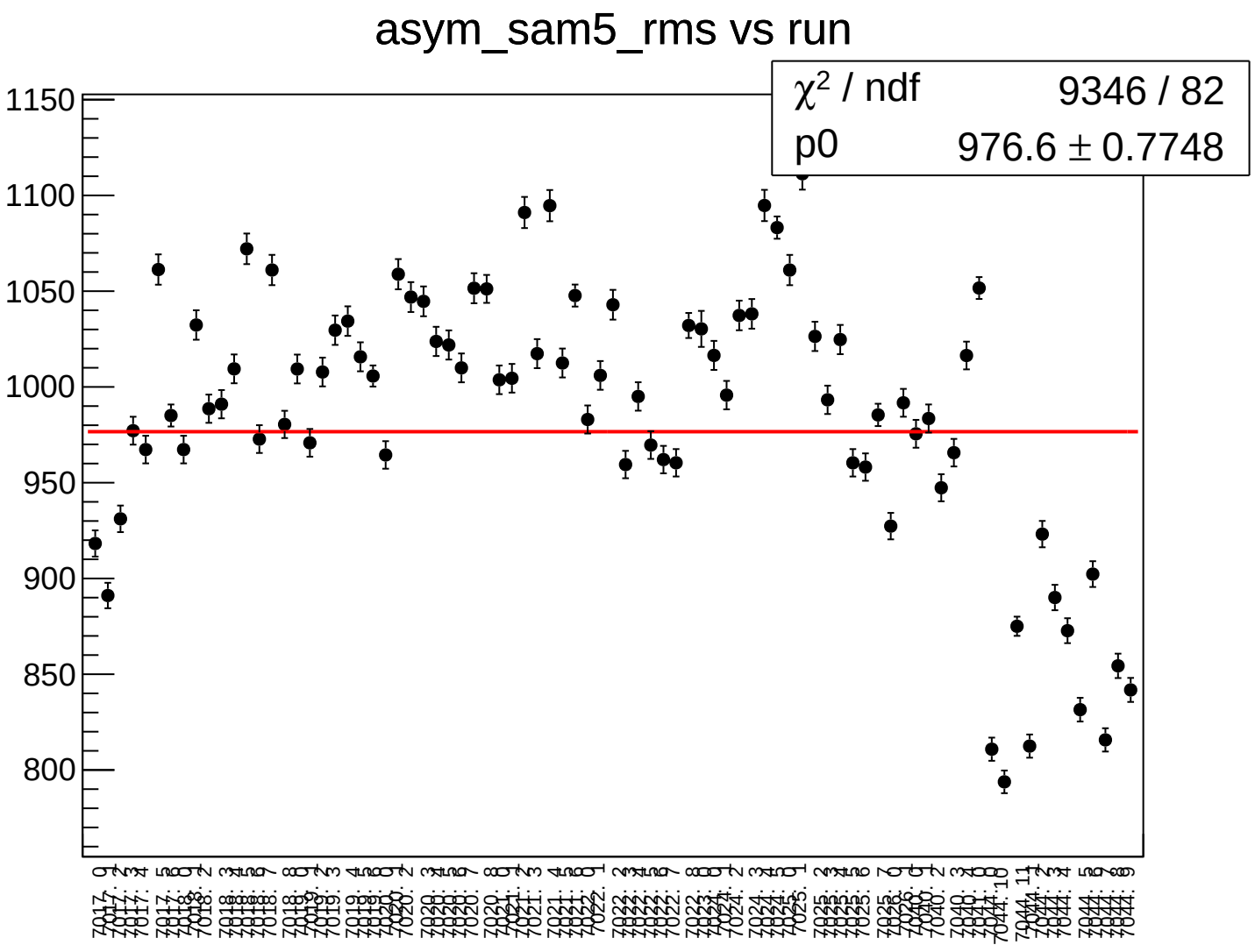

pull1D
Entries 83
Mean −0.00202
Std Dev 1.034

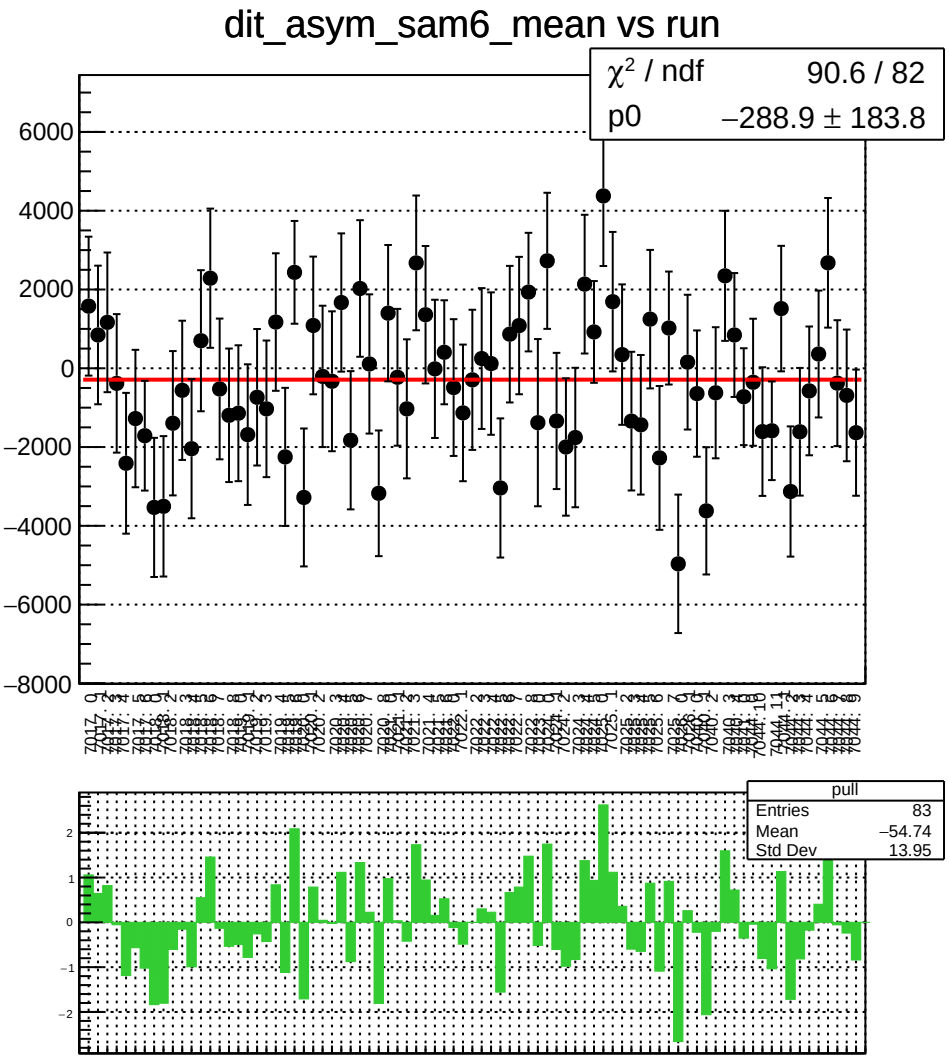

dit_asym_sam5_rms vs run
χ² / ndf 780.8 / 82
p0 169.1 ± 0.1338
178
176
174
172
170
168
166
164
162
160
158

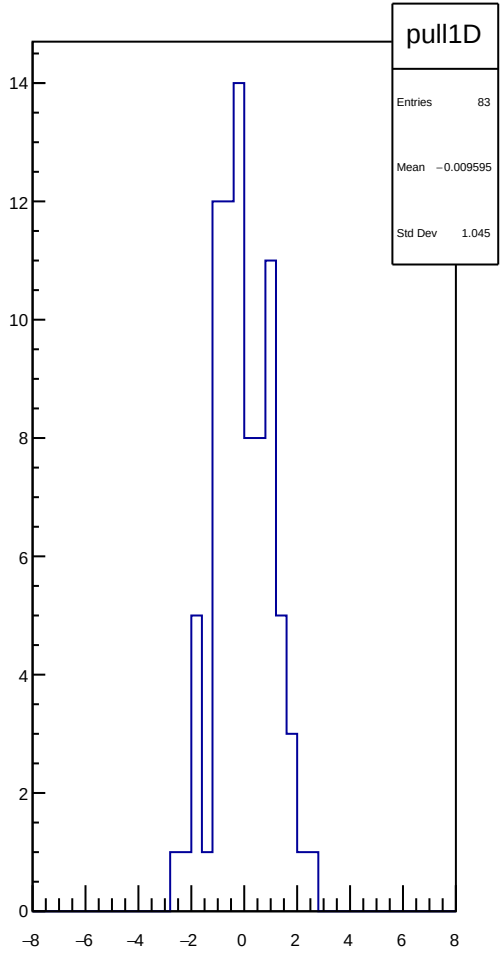

asym_sam5_correction_mean vs run
χ² / ndf 91.73 / 82
p0 −211.2 ± 1109
pull
Entries 83
Mean −46.34
Std Dev 109.5
pull1D
Entries 83
Mean −0.0184
Std Dev 1.051

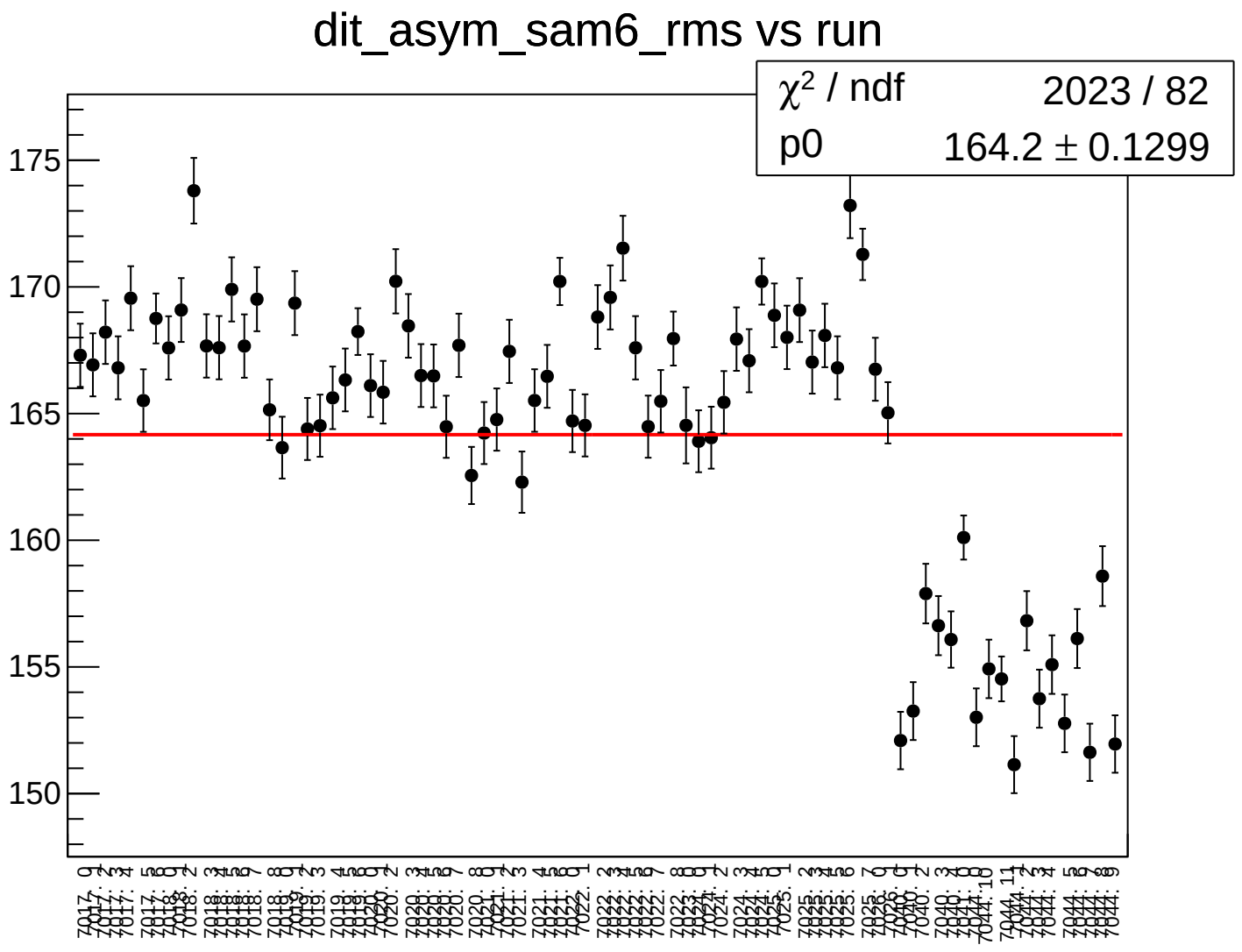

asym_sam5_correction_rms vs run
χ² / ndf 7664 / 82
p0 989.4 ± 0.7845
1150
1100
1050
1000
950
900
850
800

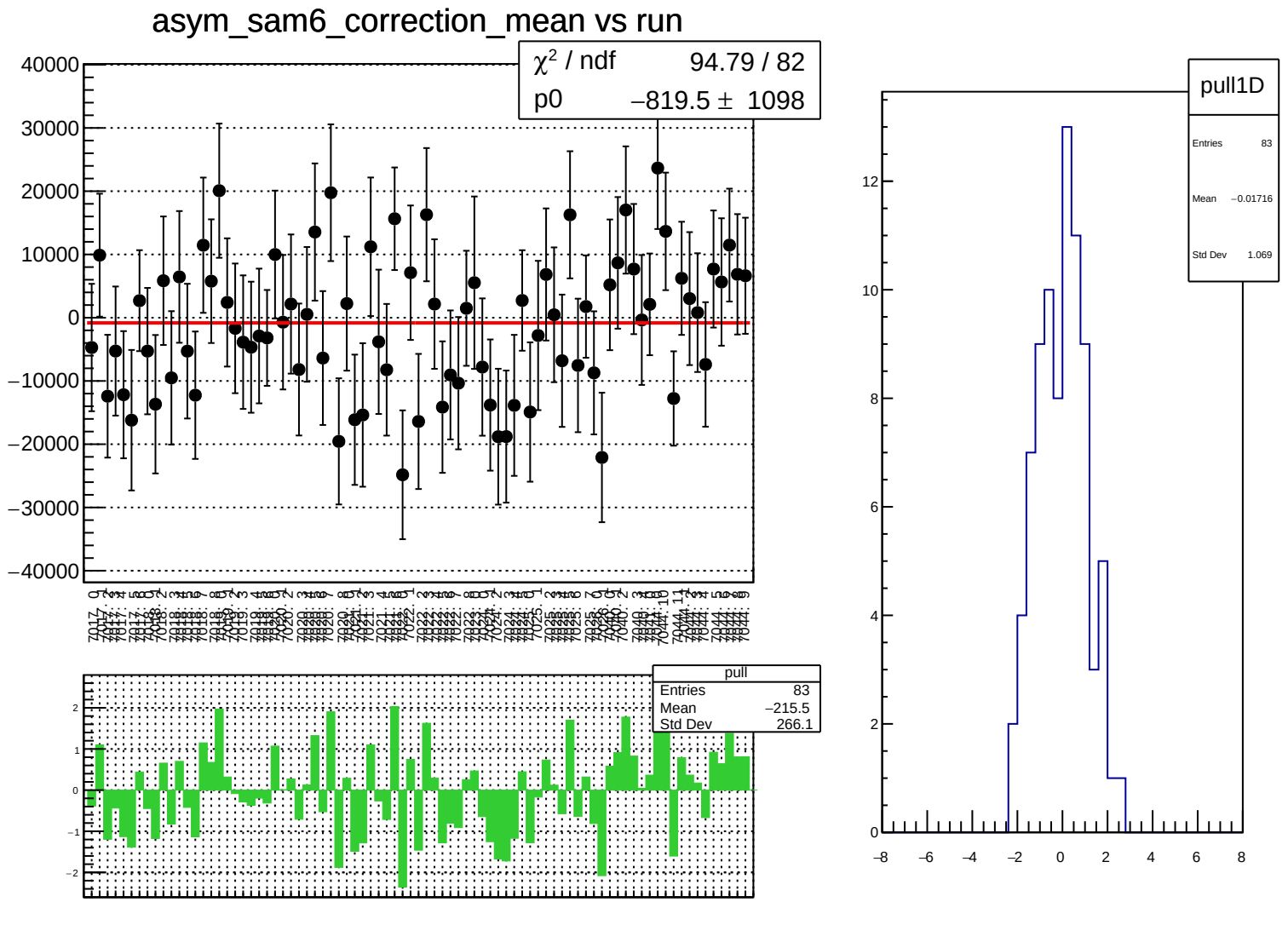

asym_sam5_mean vs run
χ² / ndf 88.36 / 82
p0 −61.8 ± 1096
pull
Entries 83
Mean −44.5
Std Dev 106
pull1D
Entries 83
Mean 0.02243
Std Dev 1.032

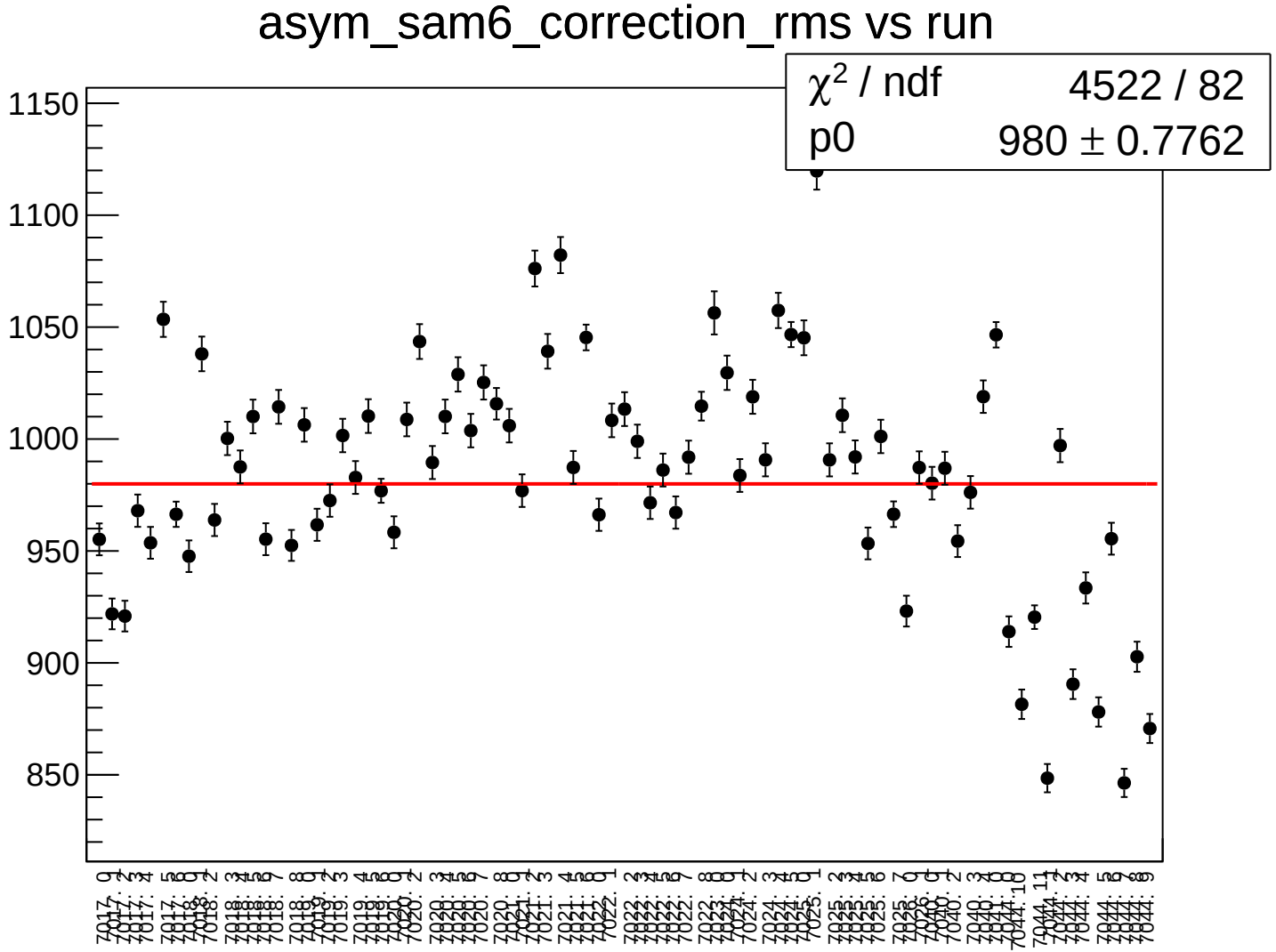

asym_sam5_rms vs run
χ² / ndf 9346 / 82
p0 976.6 ± 0.7748
1150
1100
1050
1000
950
900
850
800

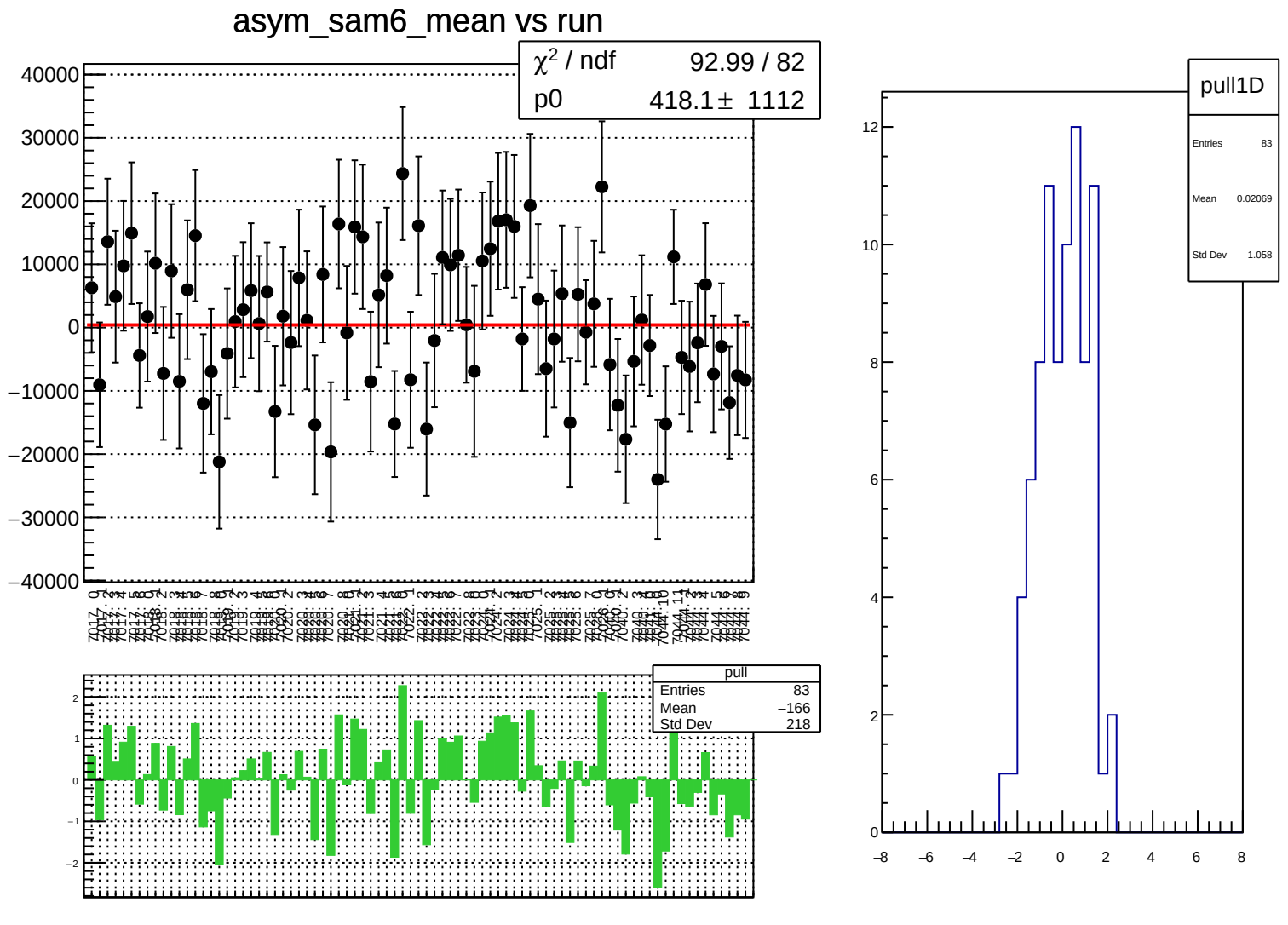

dit_asym_sam6_mean vs run
χ² / ndf 90.6 / 82
p0 −288.9 ± 183.8
pull
Entries 83
Mean −54.74
Std Dev 13.95

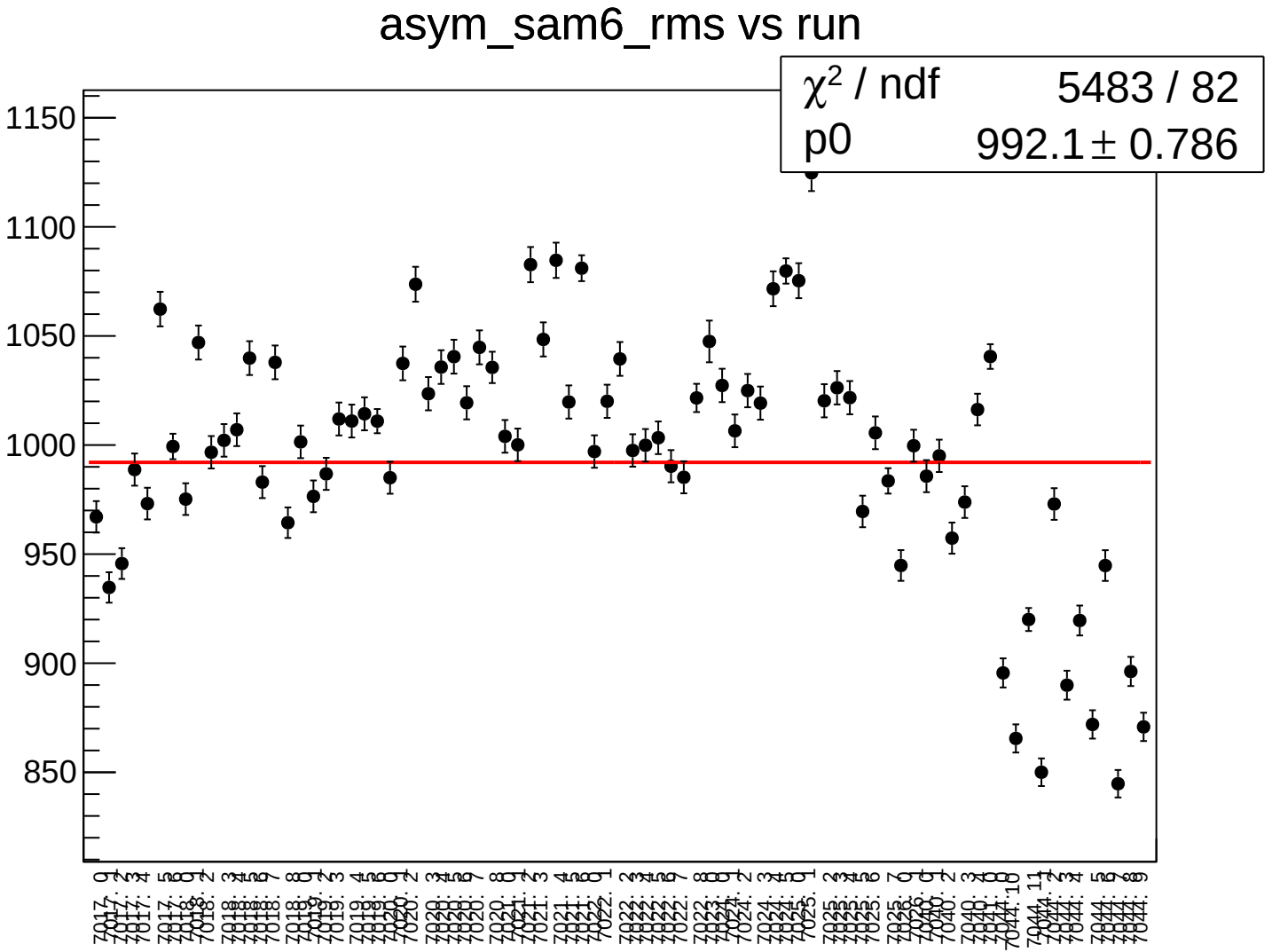

pull1D
Entries 83
Mean −0.009595
Std Dev 1.045

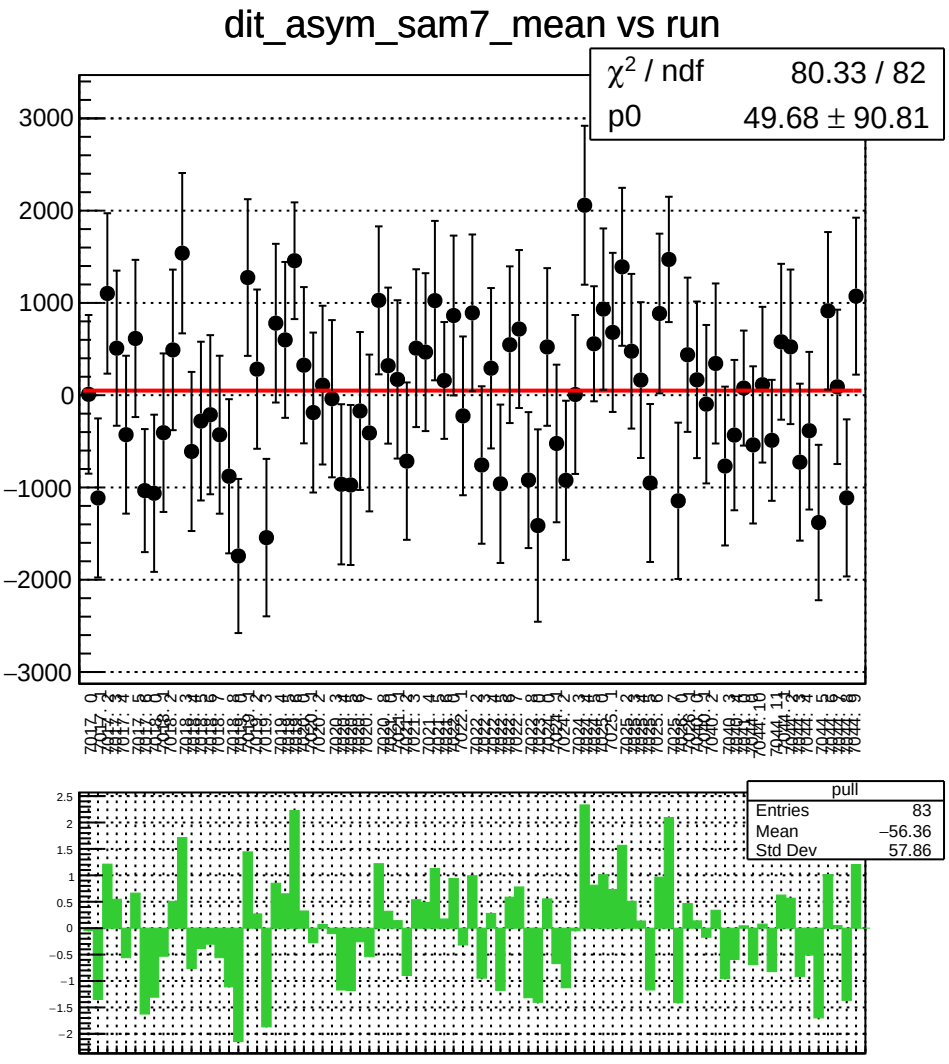

dit_asym_sam6_rms vs run
χ² / ndf 2023 / 82
p0 164.2 ± 0.1299
175
170
165
160
155
150

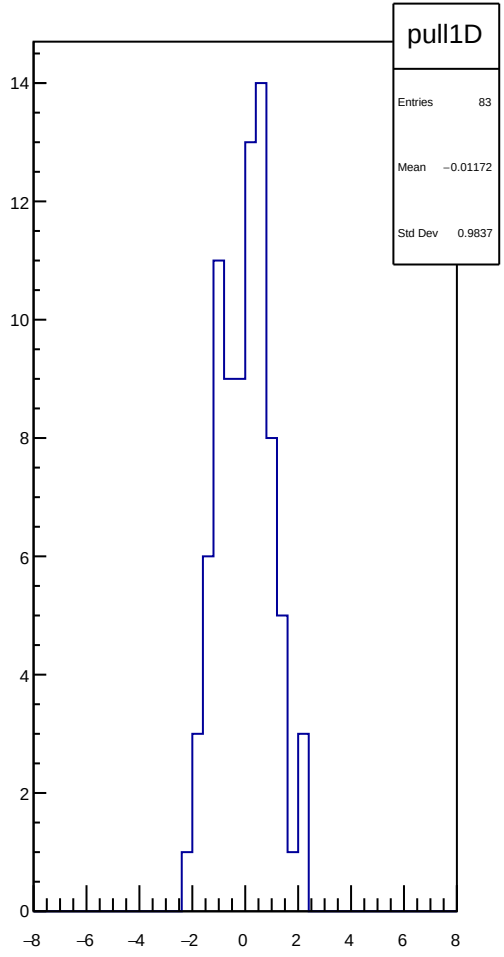

asym_sam6_correction_mean vs run
χ² / ndf 94.79 / 82
p0 −819.5 ± 1098
pull
Entries 83
Mean −215.5
Std Dev 266.1
pull1D
Entries 83
Mean −0.01716
Std Dev 1.069

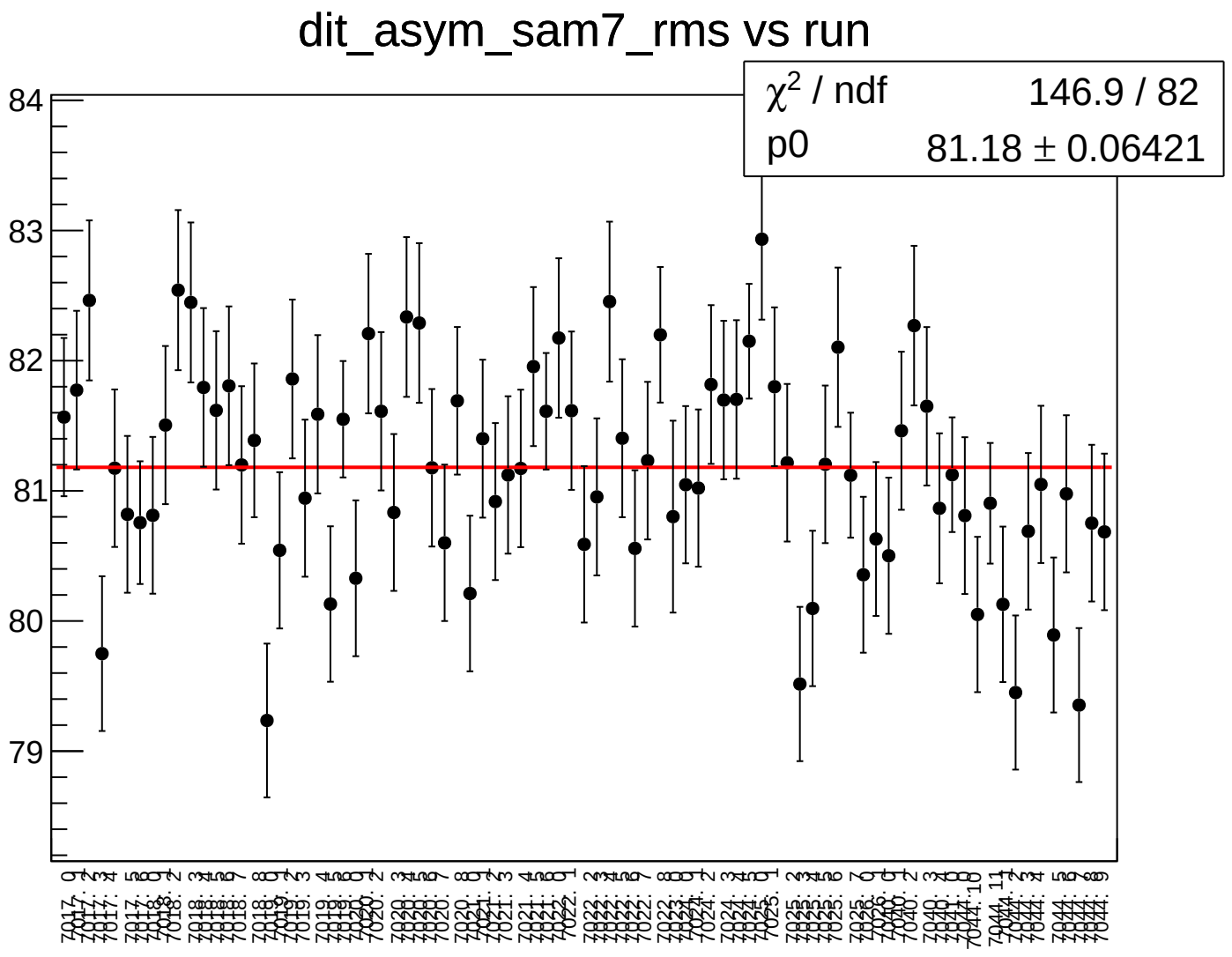

asym_sam6_correction_rms vs run
χ2 / ndf 4522 / 82
p0 980 ± 0.7762
1150
1100
1050
1000
950
900
850

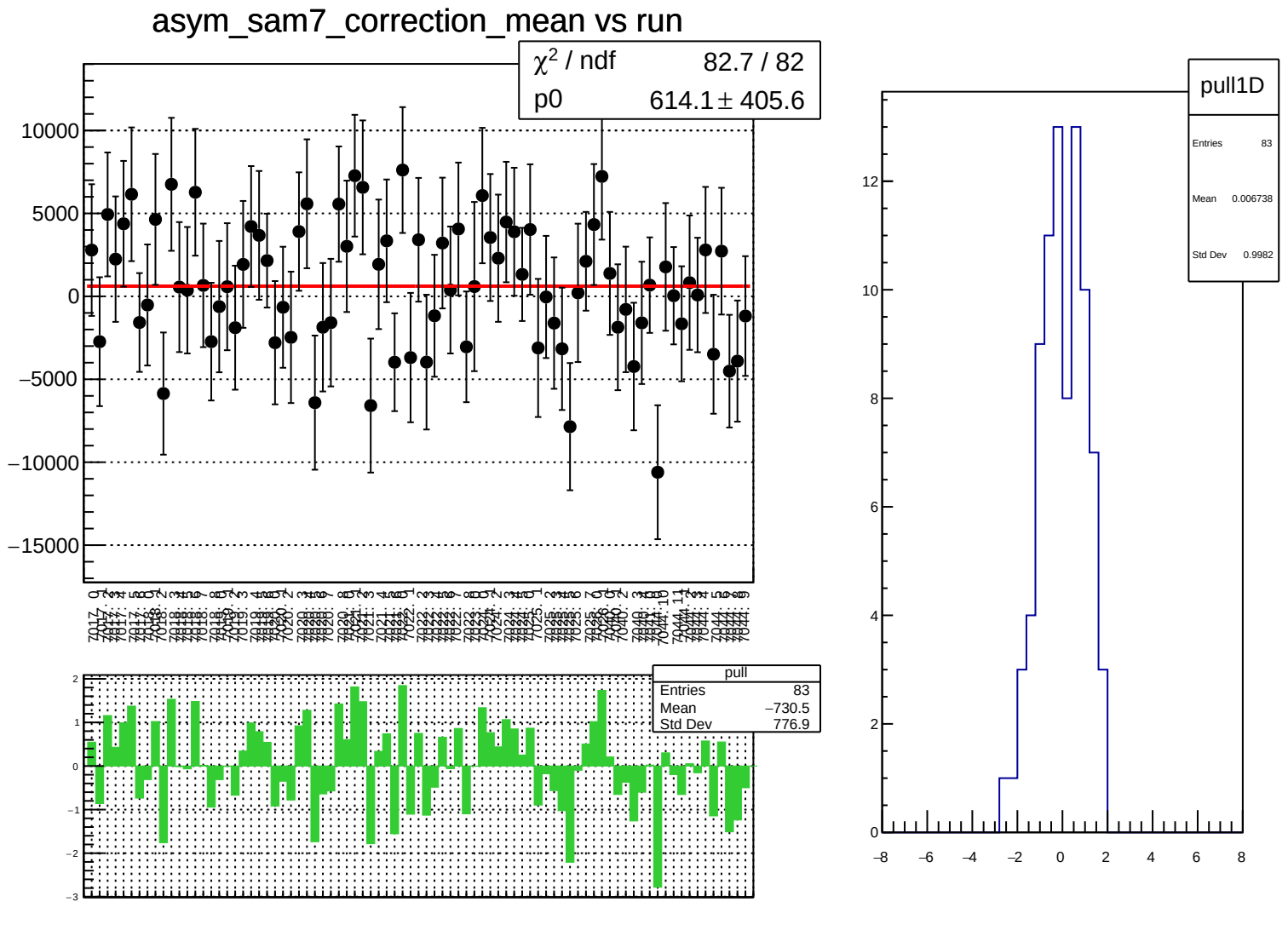

asym_sam6_mean vs run
χ² / ndf 92.99 / 82
p0 418.1 ± 1112
pull
Entries 83
Mean −166
Std Dev 218
pull1D
Entries 83
Mean 0.02069
Std Dev 1.058

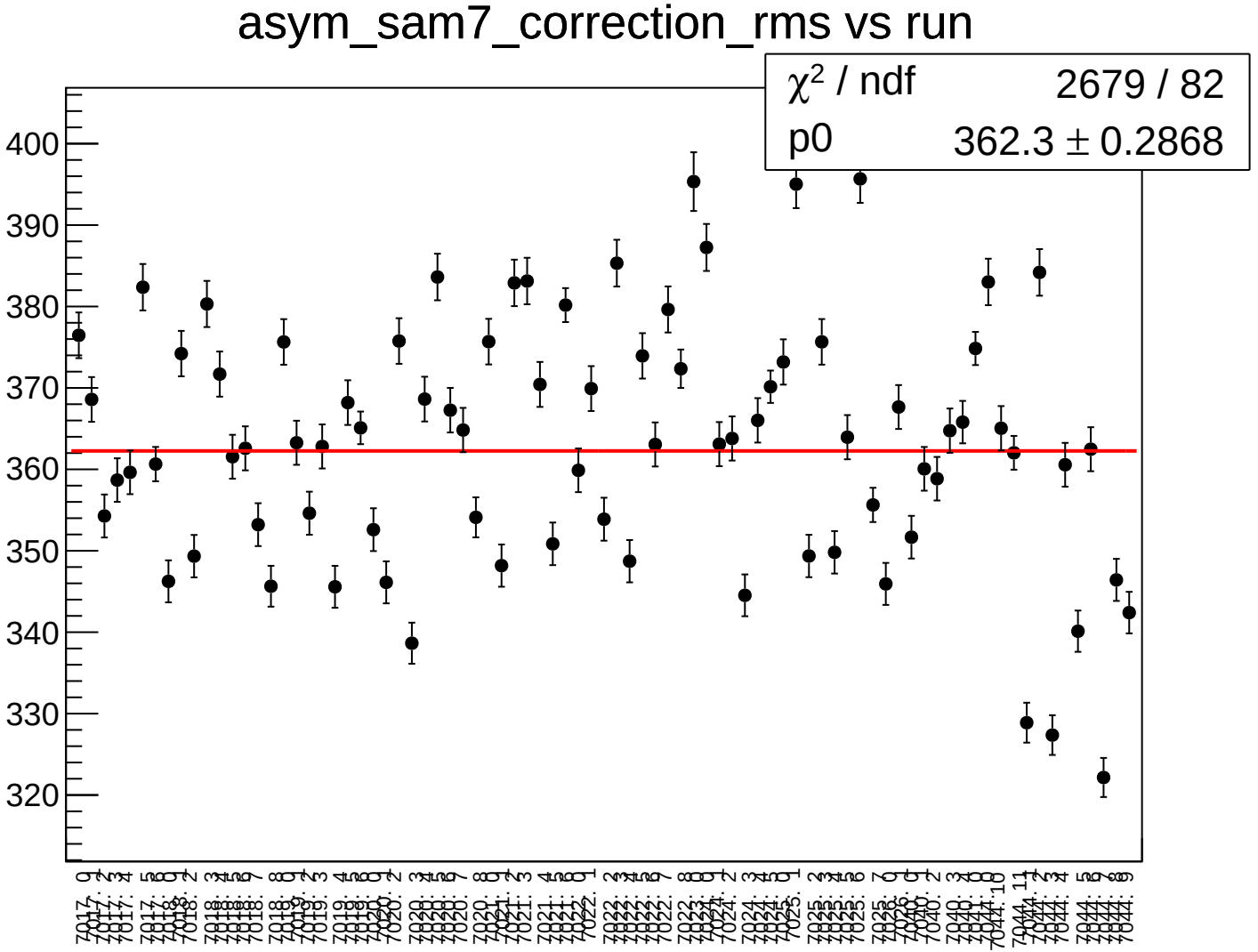

asym_sam6_rms vs run
χ² / ndf 5483 / 82
p0 992.1 ± 0.786
1150
1100
1050
1000
950
900
850

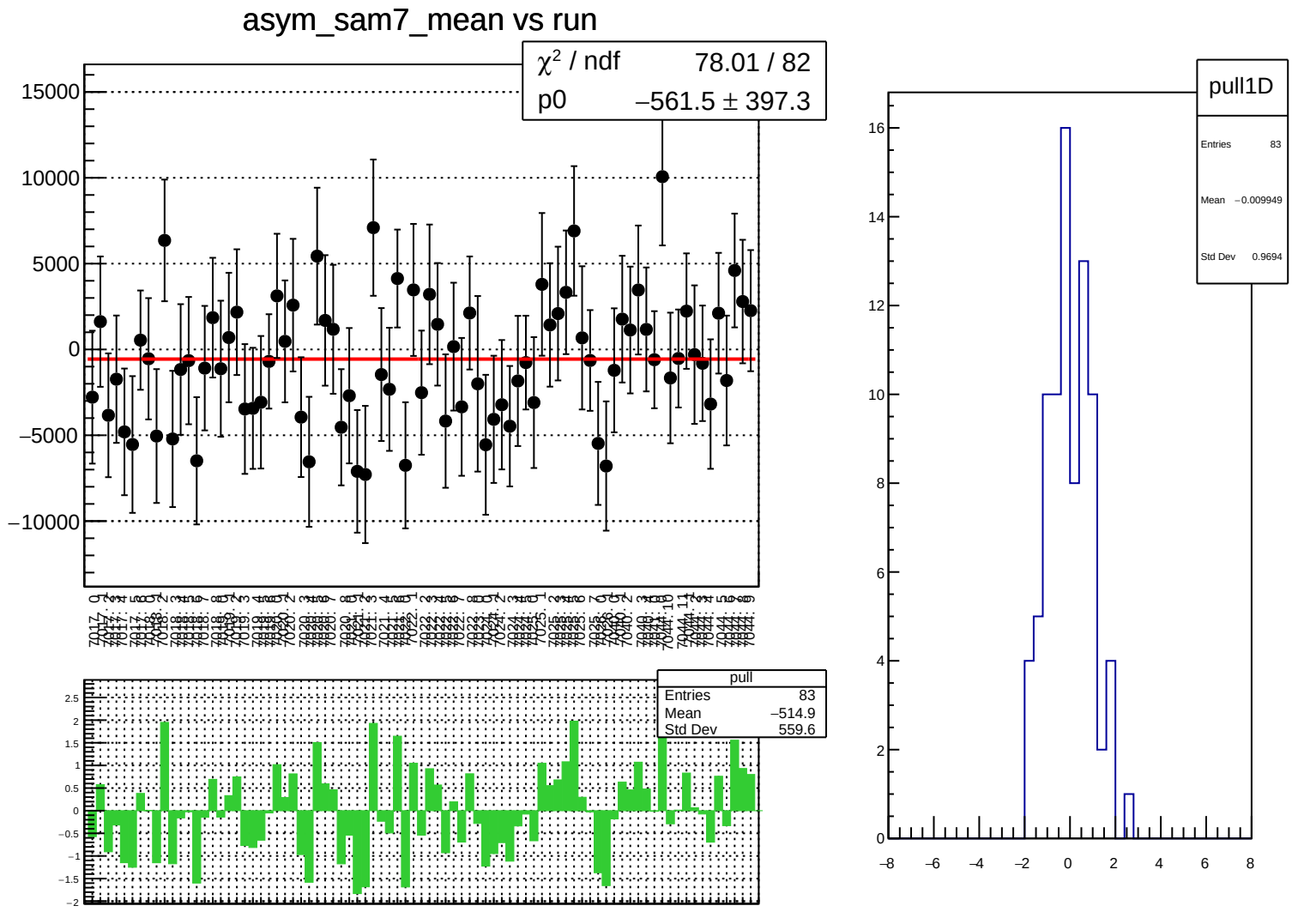

dit_asym_sam7_mean vs run
χ^2 / ndf 80.33 / 82
p0 49.68 ± 90.81
pull
Entries 83
Mean −56.36
Std Dev 57.86

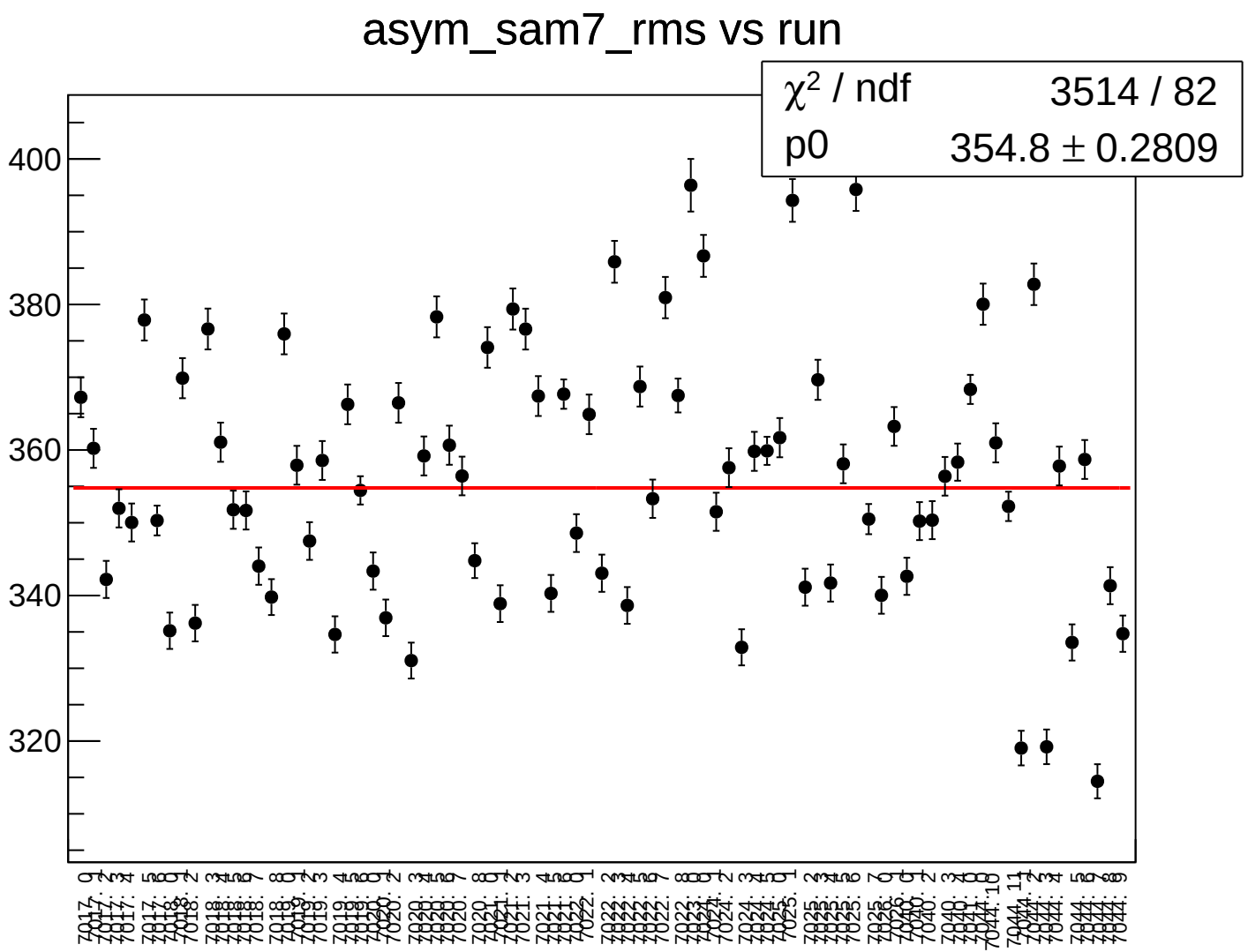

pull1D
Entries 83
Mean −0.01172
Std Dev 0.9837

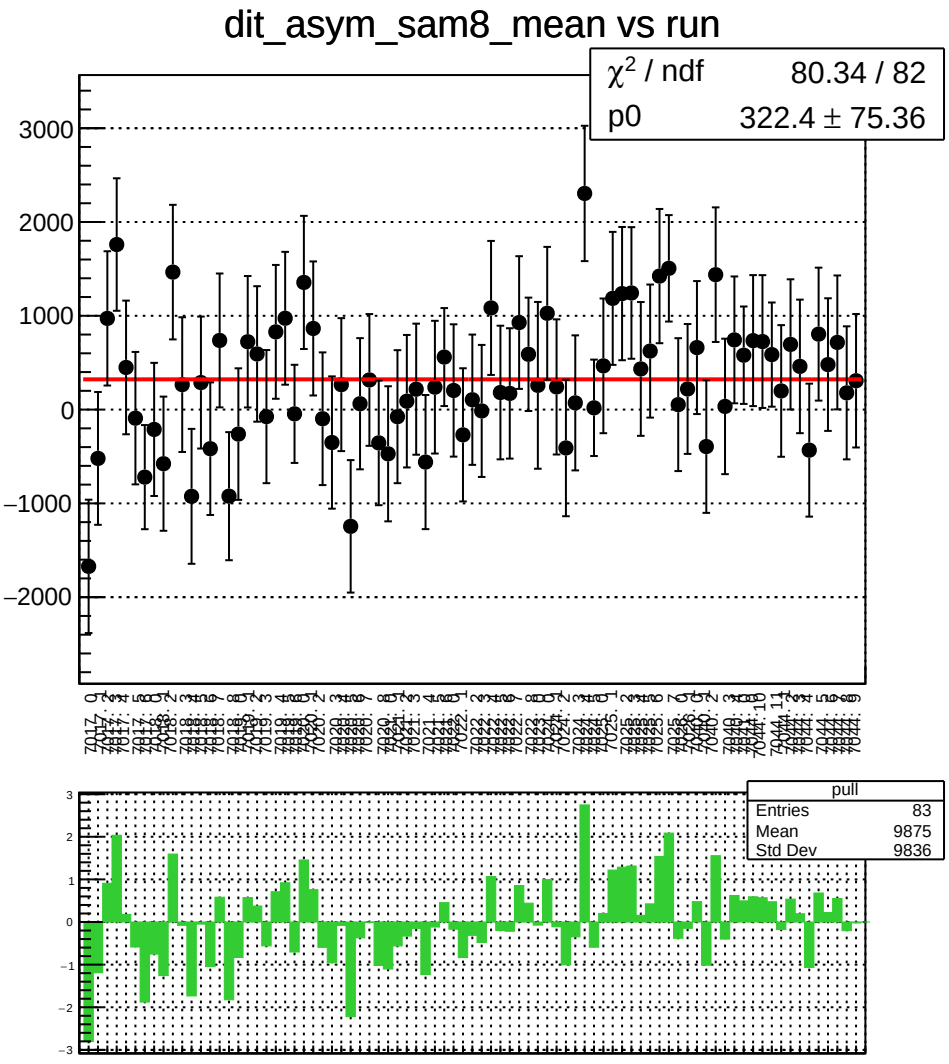

dit_asym_sam7_rms vs run
χ2 / ndf 146.9 / 82
p0 81.18 ± 0.06421
84
83
82
81
80
79

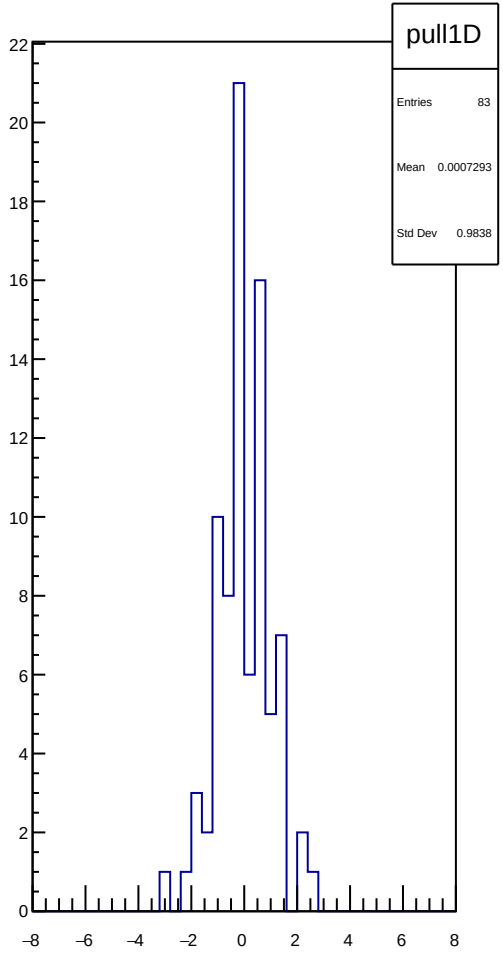

asym_sam7_correction_mean vs run
χ² / ndf 82.7 / 82
p0 614.1 ± 405.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −730.5
Std Dev 776.9
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.006738
Std Dev 0.9982
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

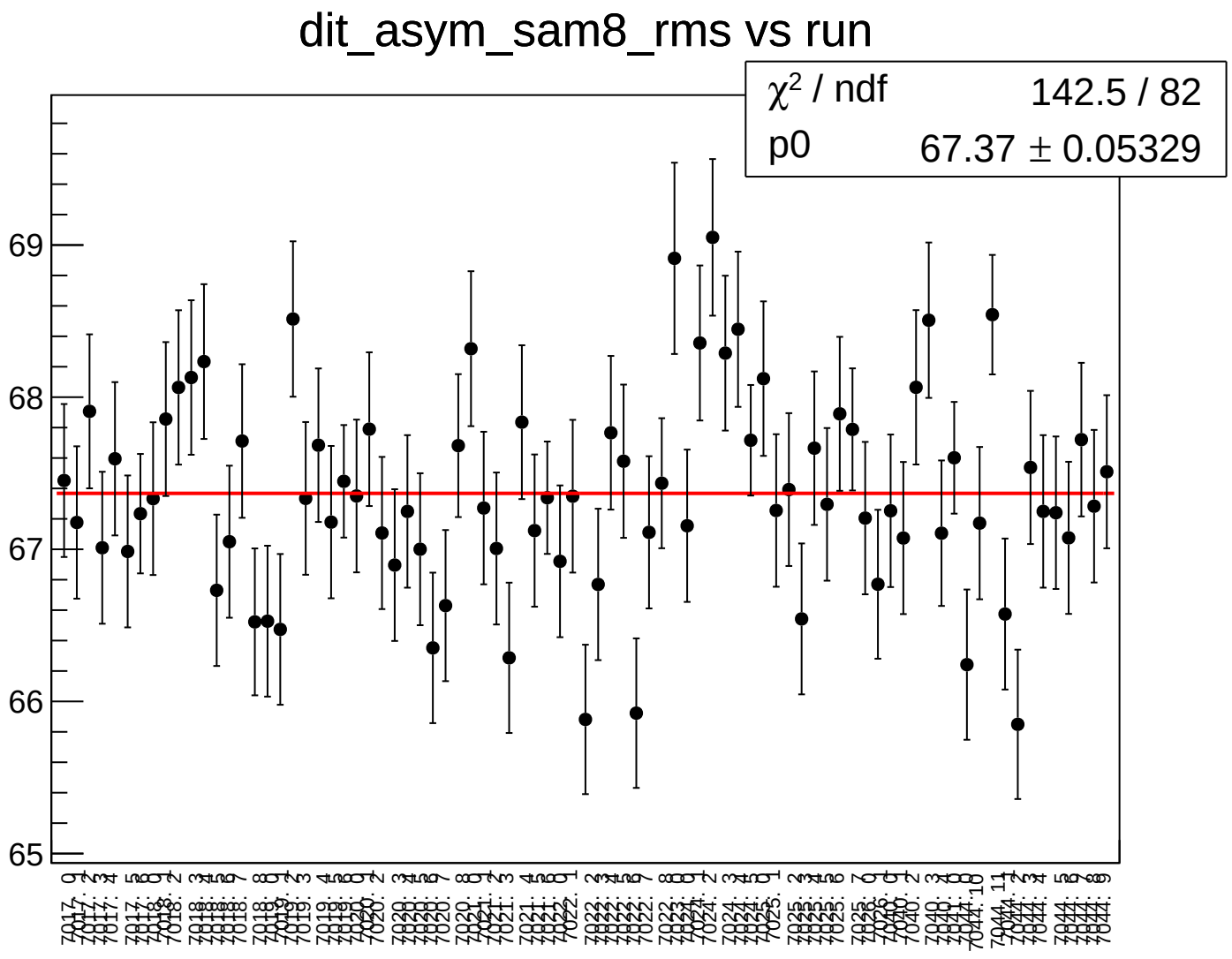

asym_sam7_correction_rms vs run
χ² / ndf 2679 / 82
p0 362.3 ± 0.2868
400
390
380
370
360
350
340
330
320

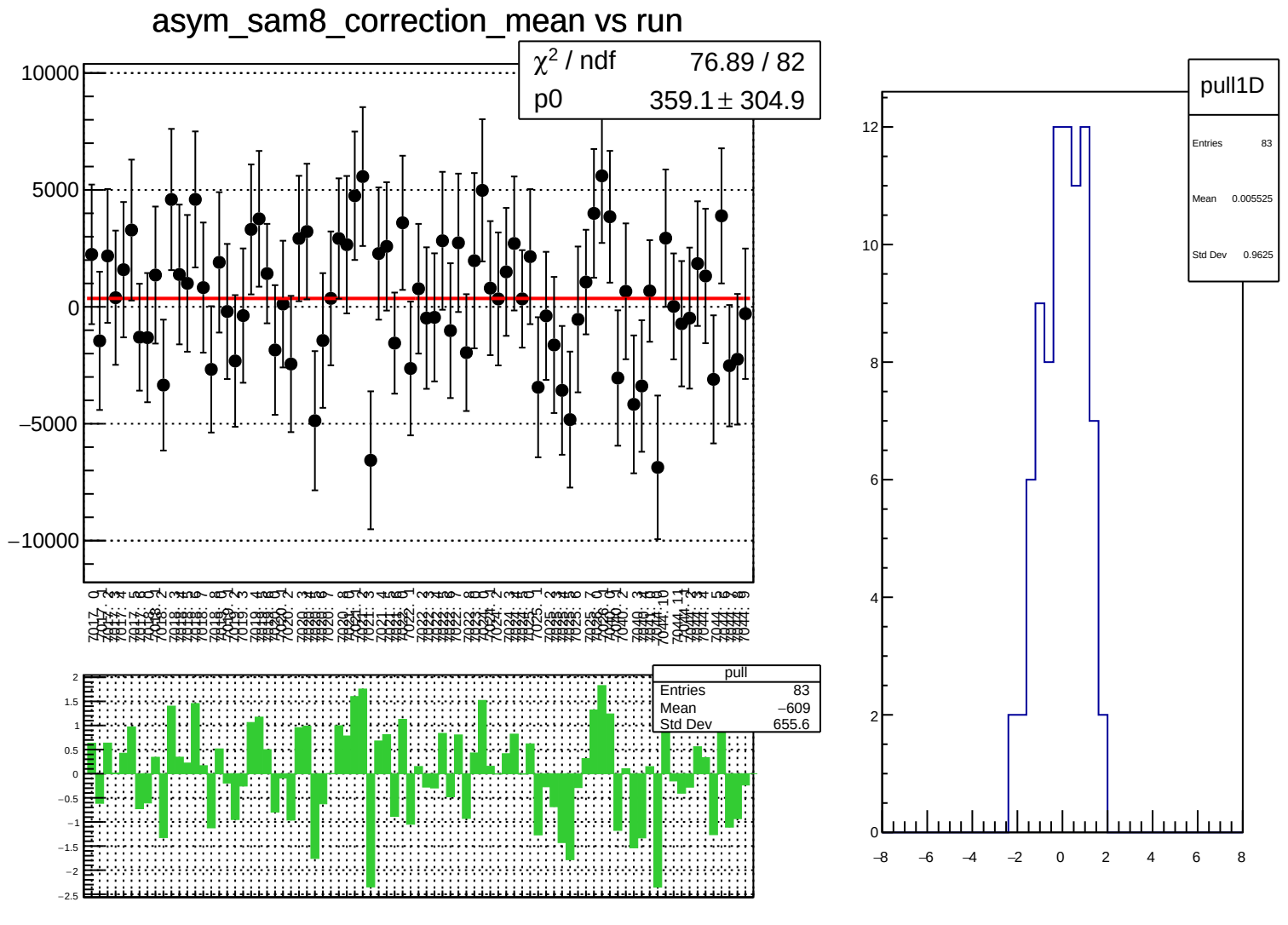

asym_sam7_mean vs run
χ² / ndf 78.01 / 82
p0 −561.5 ± 397.3
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −514.9
Std Dev 559.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.009949
Std Dev 0.9694
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

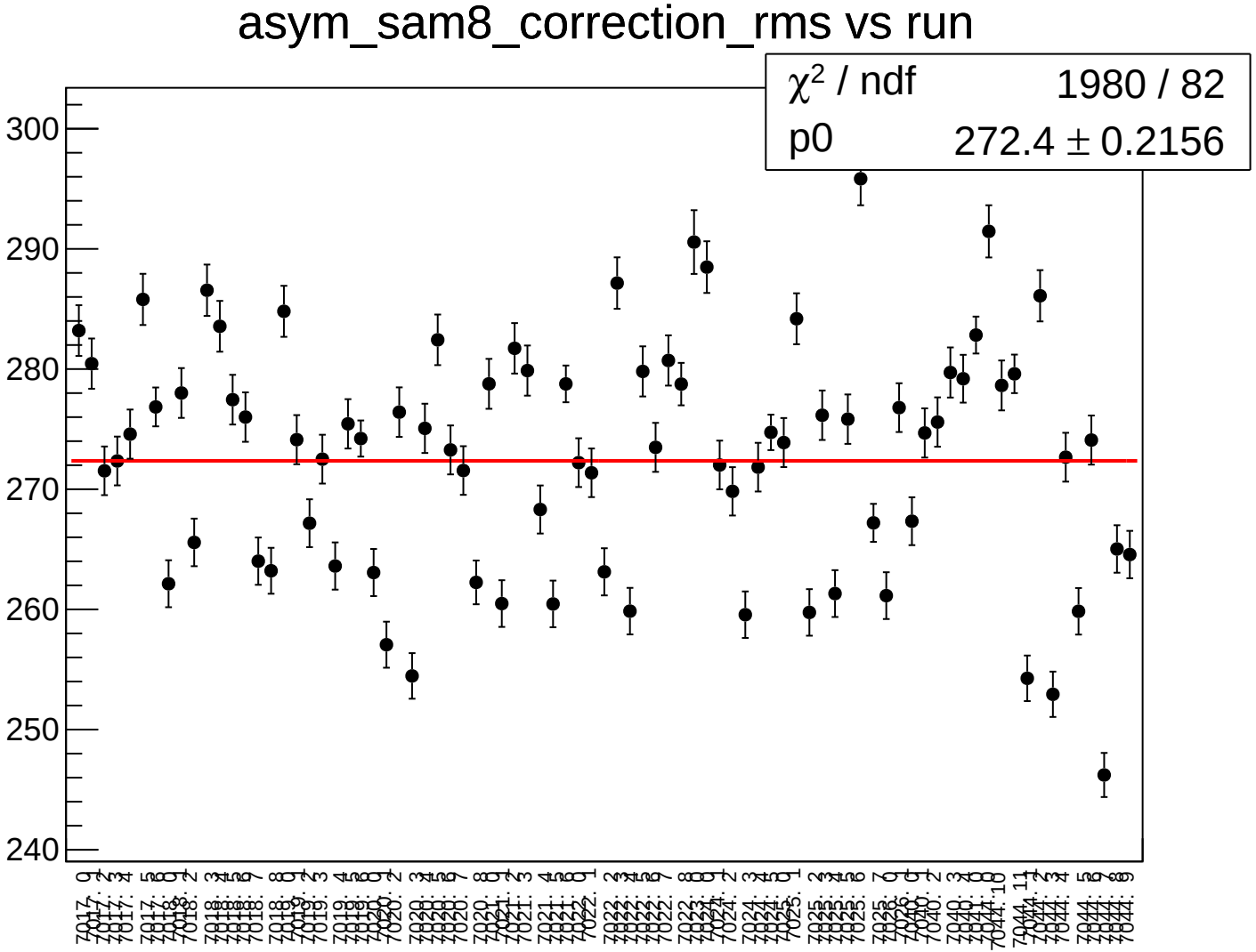

asym_sam7_rms vs run
χ² / ndf 3514 / 82
p0 354.8 ± 0.2809
400
380
360
340
320

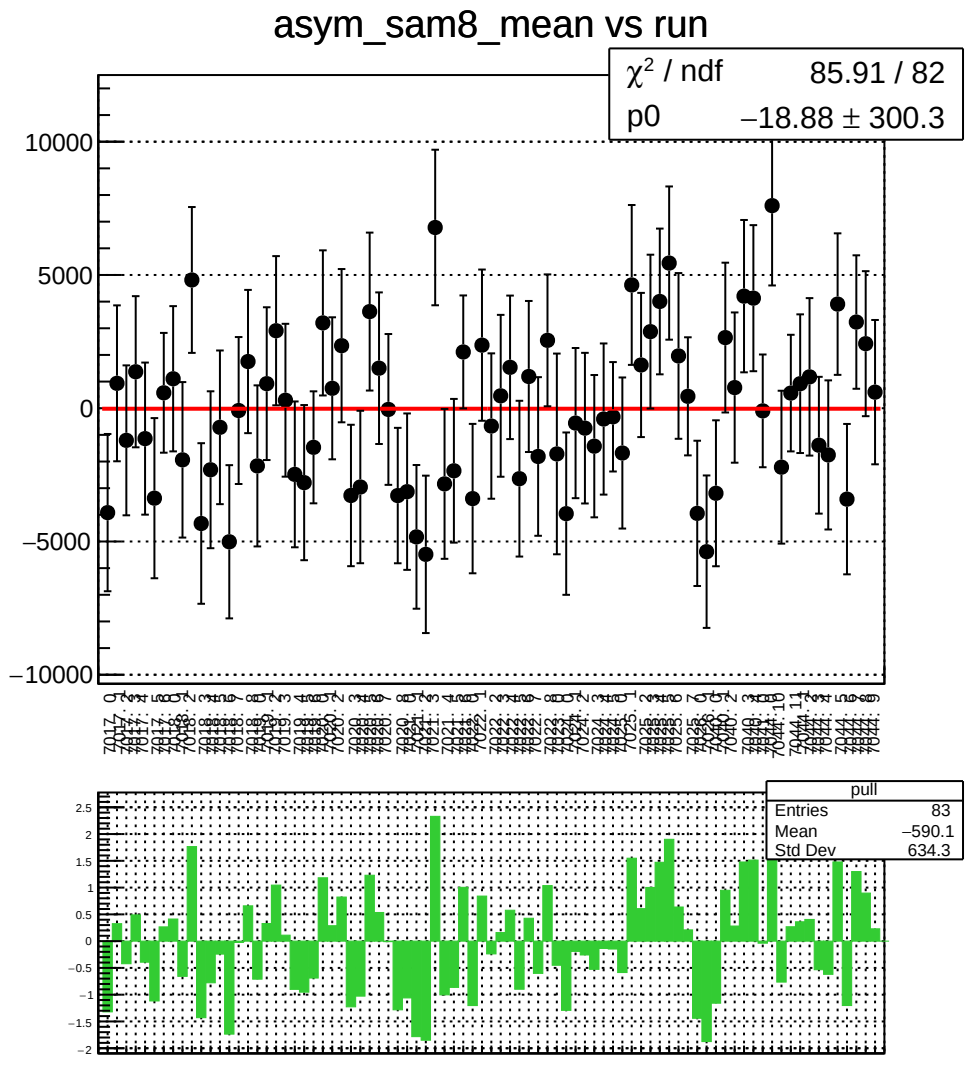

dit_asym_sam8_mean vs run
χ² / ndf 80.34 / 82
p0 322.4 ± 75.36
pull
Entries 83
Mean 9875
Std Dev 9836

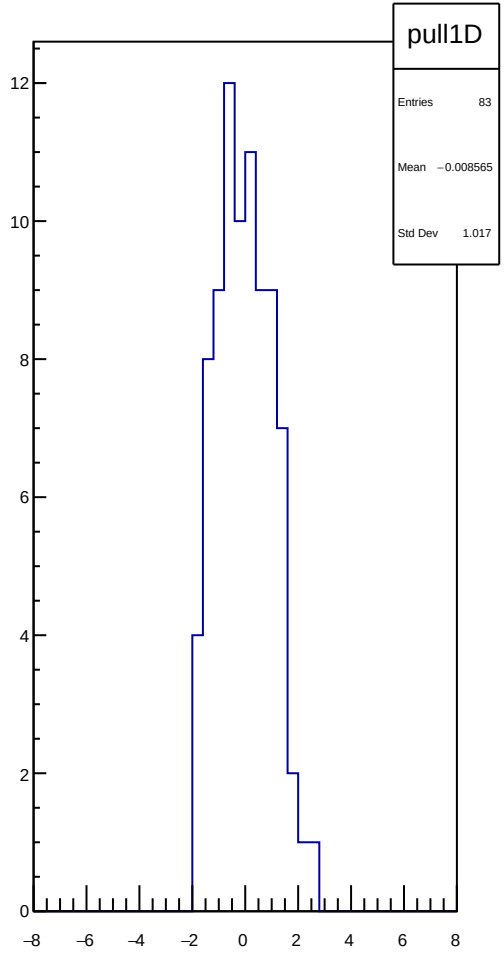

pull1D
Entries 83
Mean 0.0007293
Std Dev 0.9838

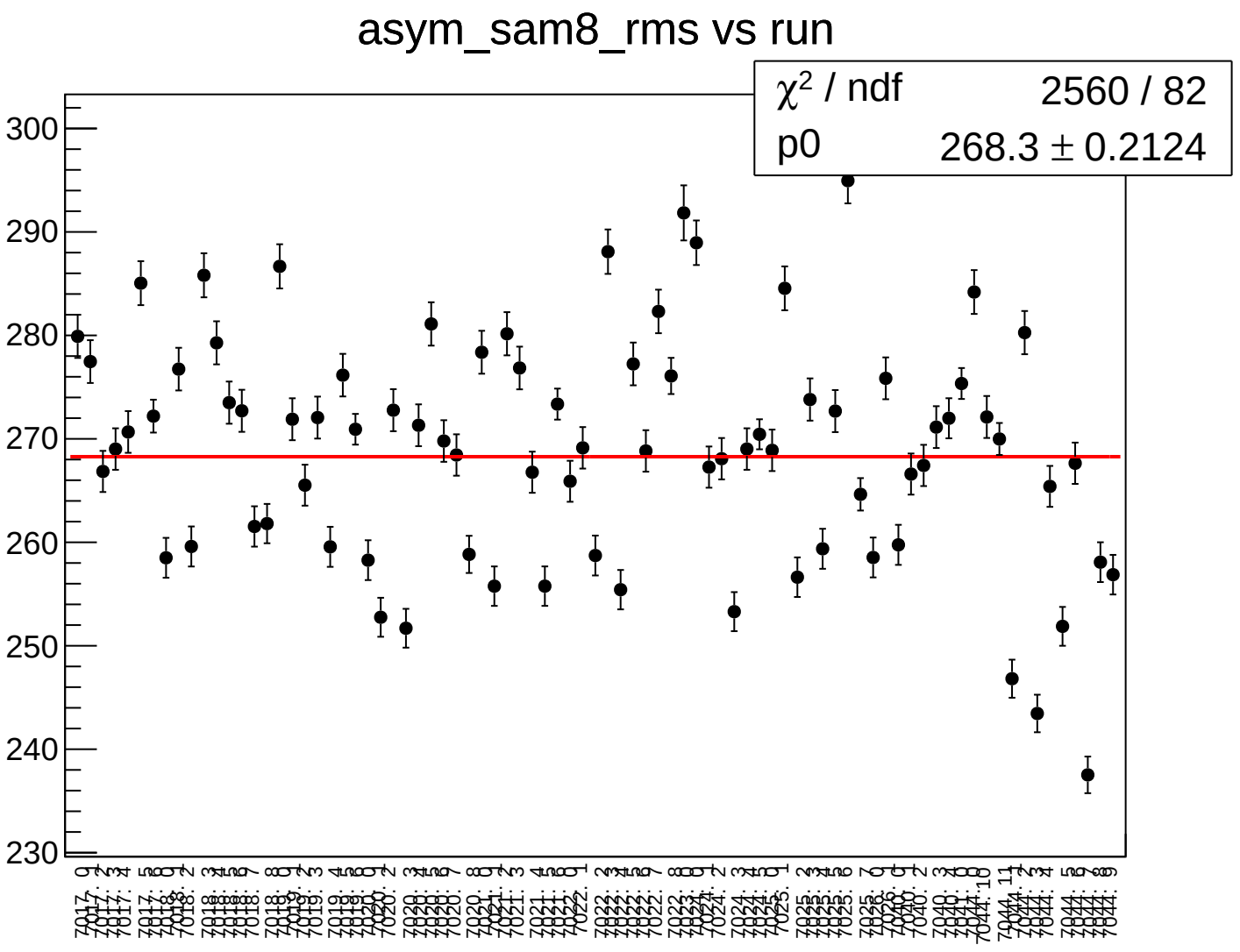

dit_asym_sam8_rms vs run
χ2 / ndf 142.5 / 82
p0 67.37 ± 0.05329
69
68
67
66
65

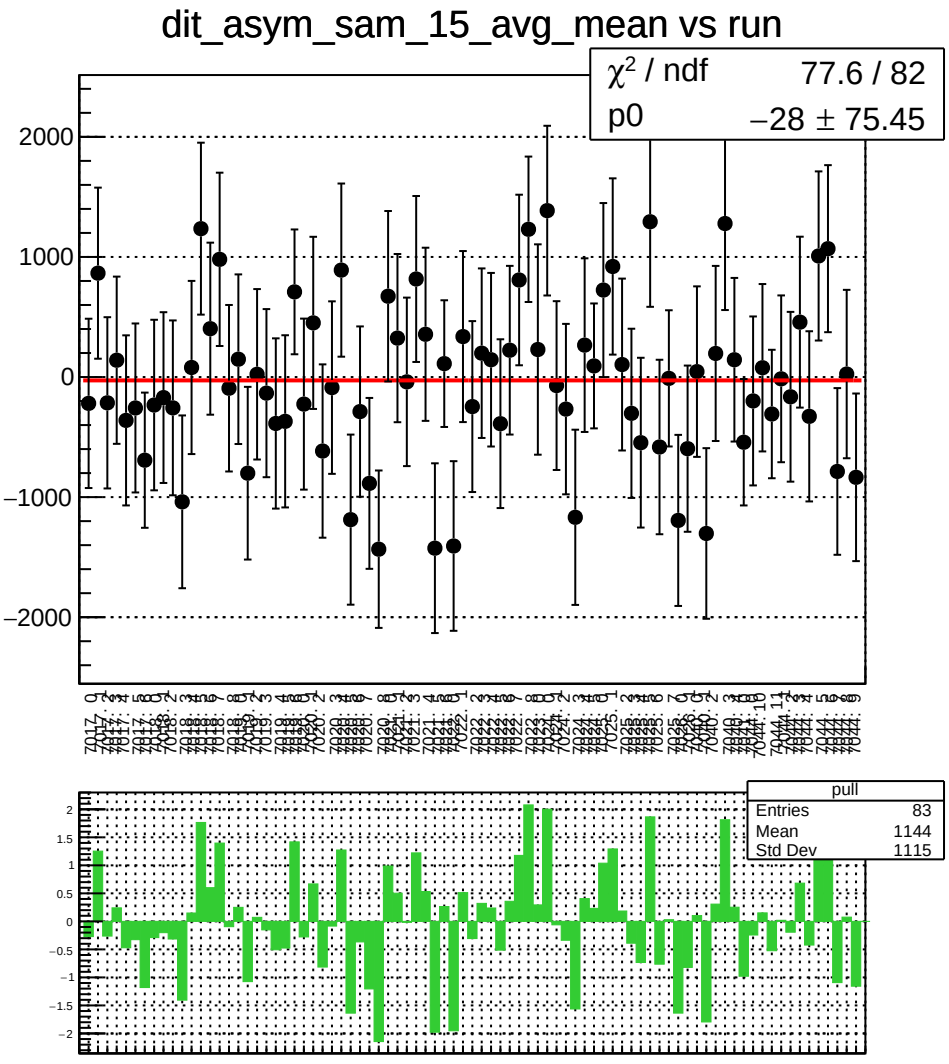

asym_sam8_correction_mean vs run
χ² / ndf 76.89 / 82
p0 359.1 ± 304.9
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −609
Std Dev 655.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean 0.005525
Std Dev 0.9625
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

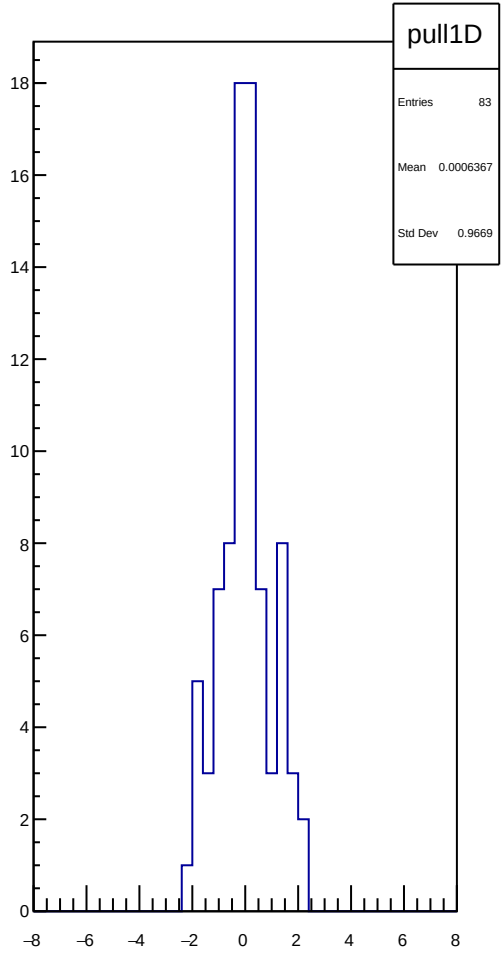

asym_sam8_correction_rms vs run
χ² / ndf 1980 / 82
p0 272.4 ± 0.2156
300
290
280
270
260
250
240

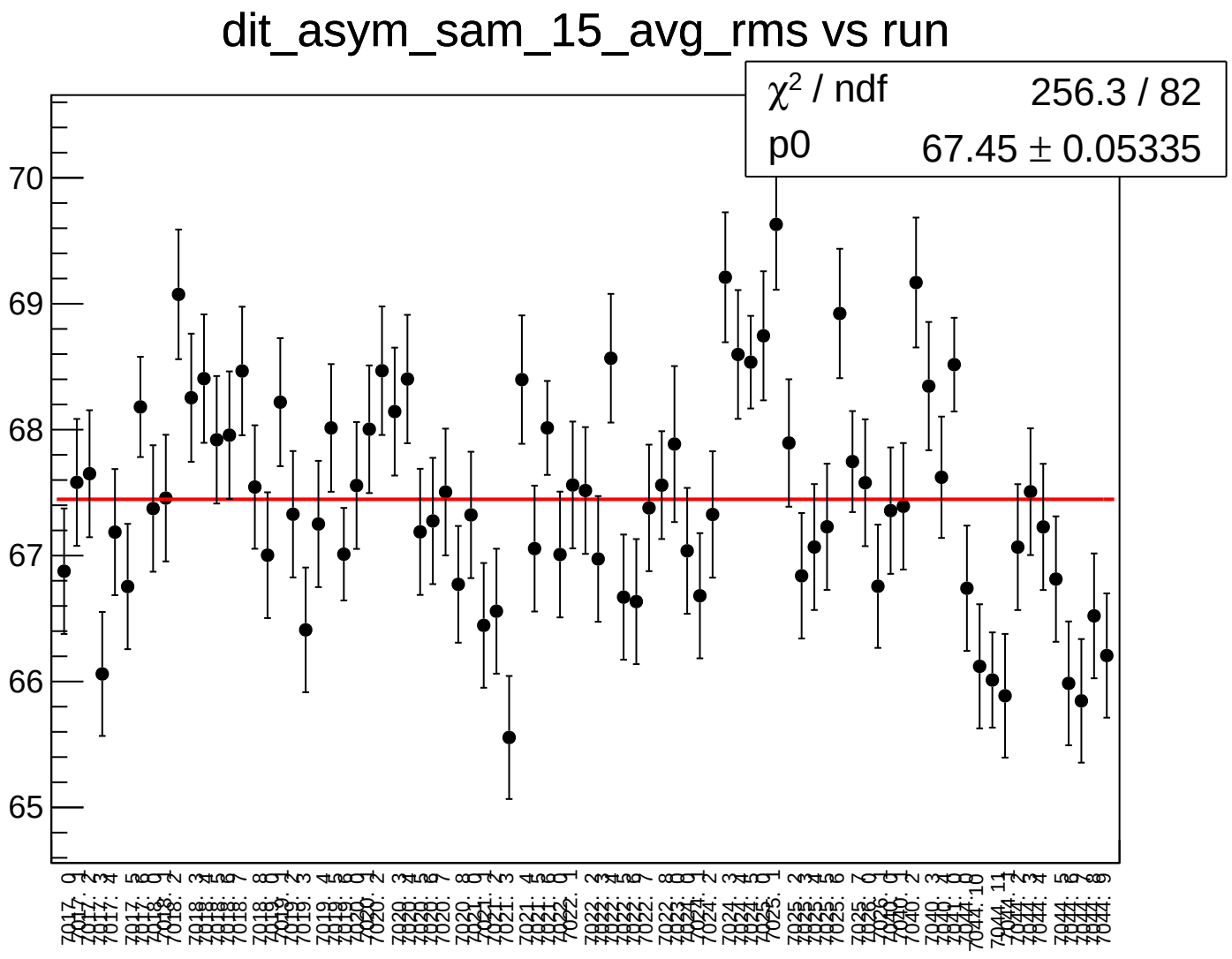

asym_sam8_mean vs run
χ² / ndf 85.91 / 82
p0 −18.88 ± 300.3
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −590.1
Std Dev 634.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

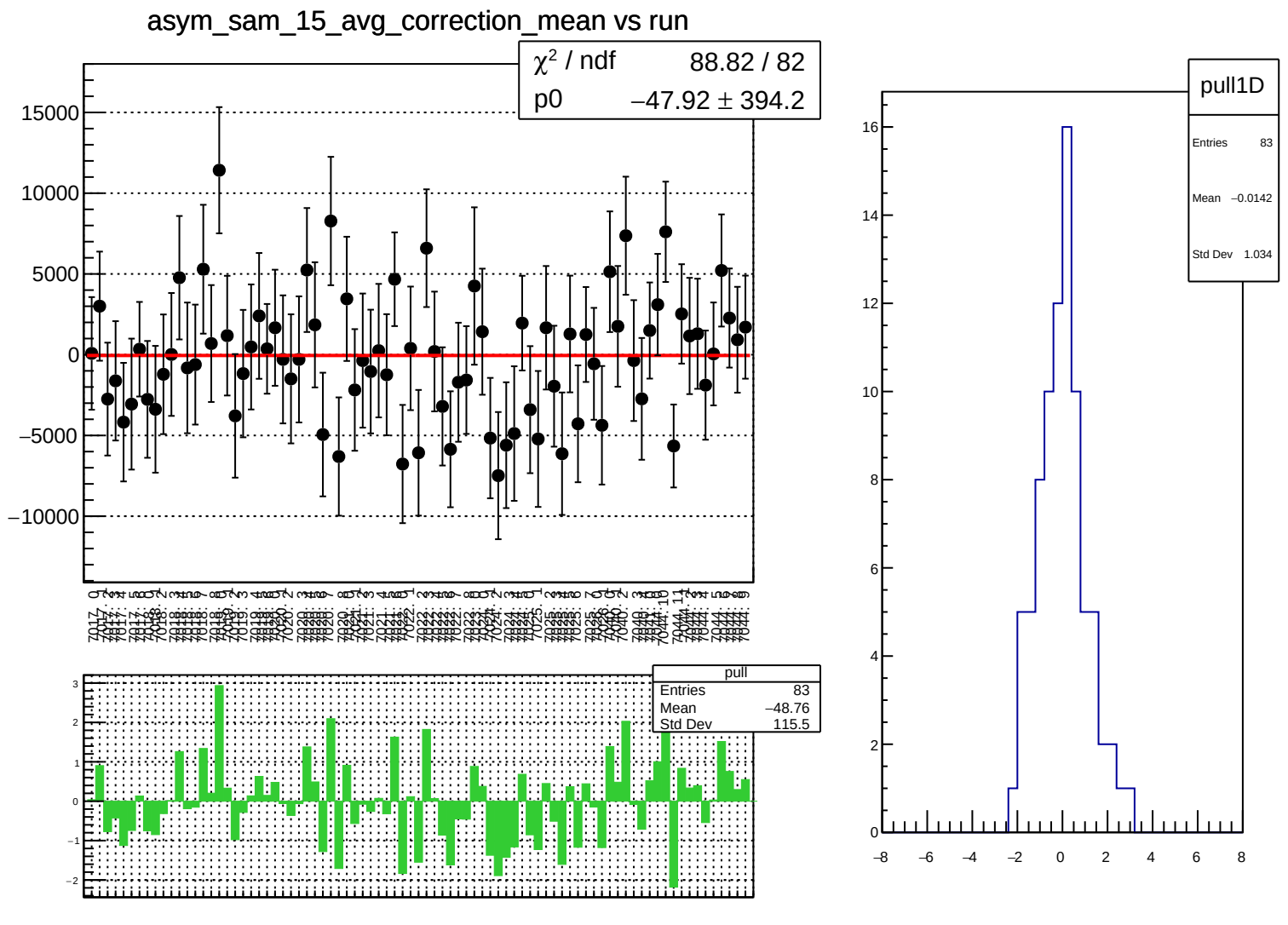

pull1D
Entries 83
Mean −0.008565
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

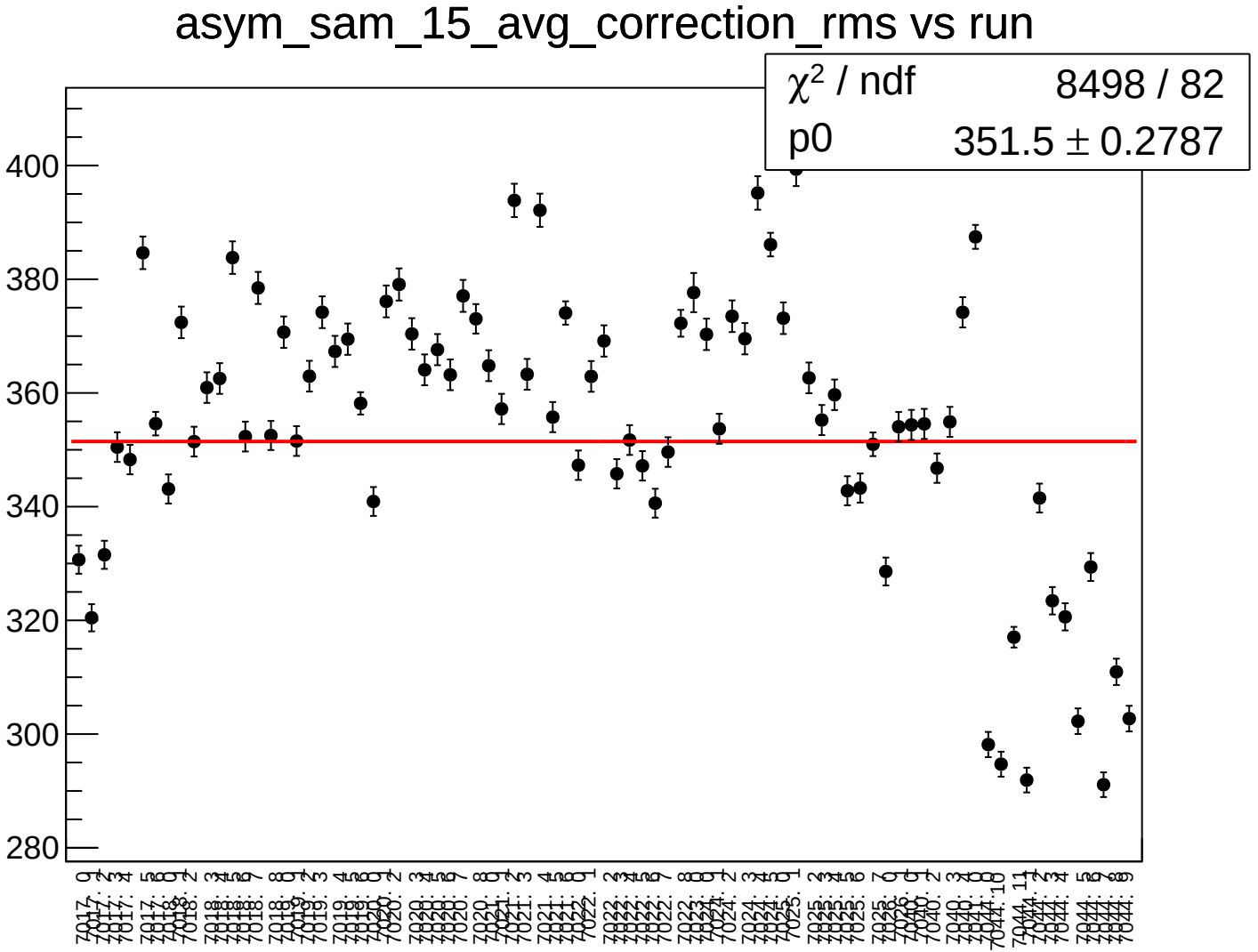

asym_sam8_rms vs run
χ² / ndf 2560 / 82
p0 268.3 ± 0.2124
300
290
280
270
260
250
240
230

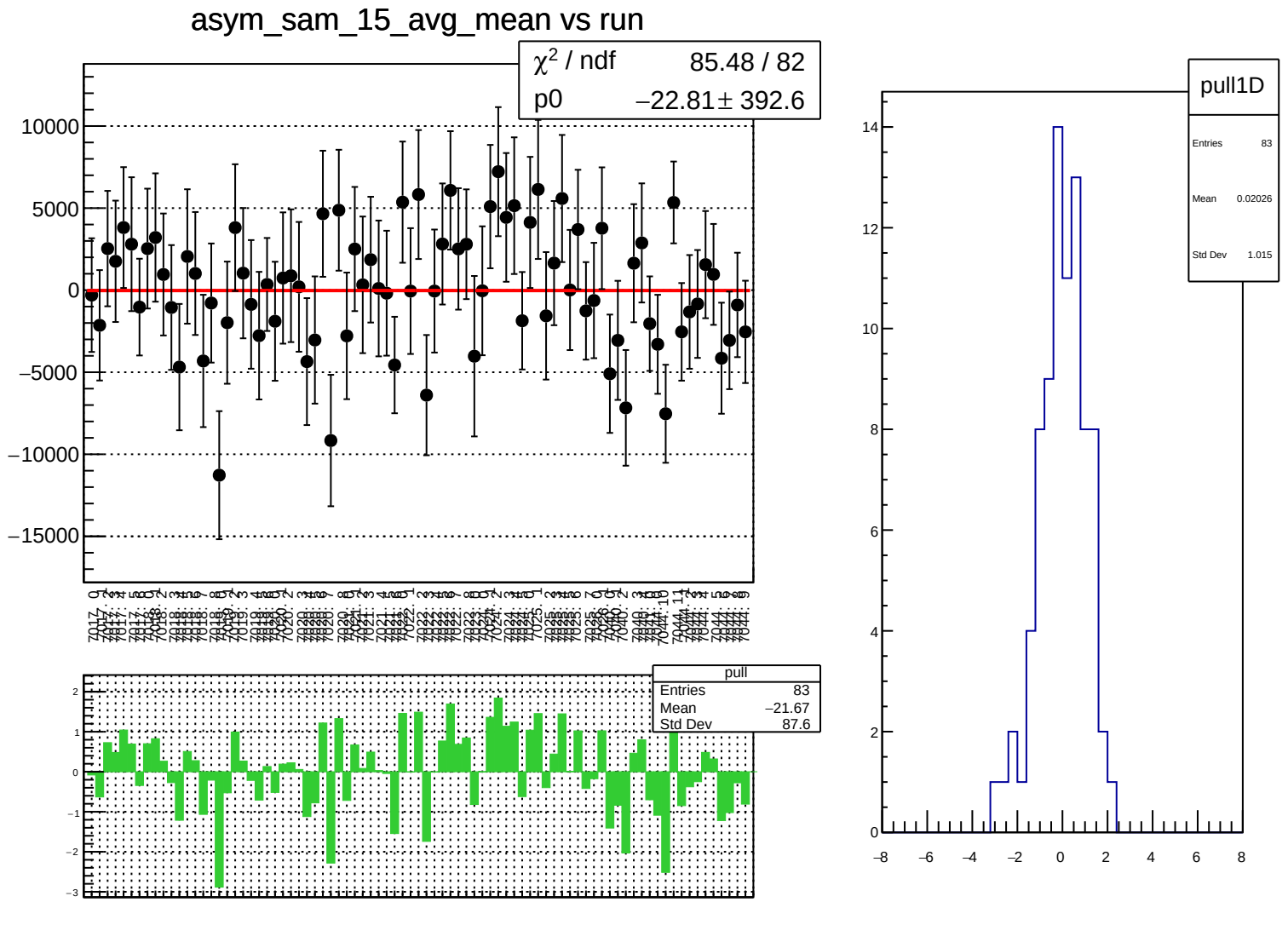

dit_asym_sam_15_avg_mean vs run
χ² / ndf 77.6 / 82
p0 −28 ± 75.45
2000
1000
0
−1000
−2000
pull
Entries 83
Mean 1144
Std Dev 1115
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

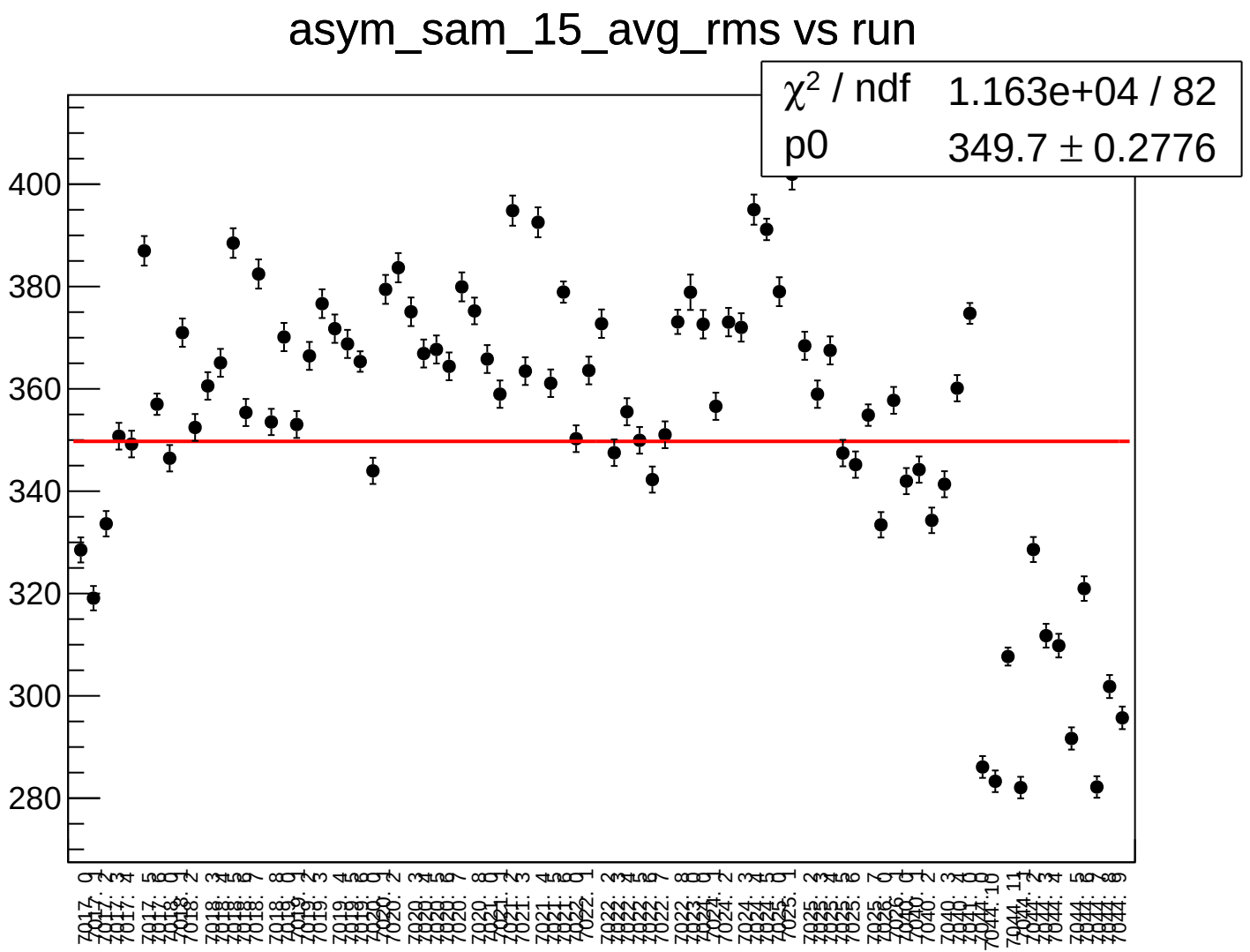

pull1D
Entries 83
Mean 0.0006367
Std Dev 0.9669
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

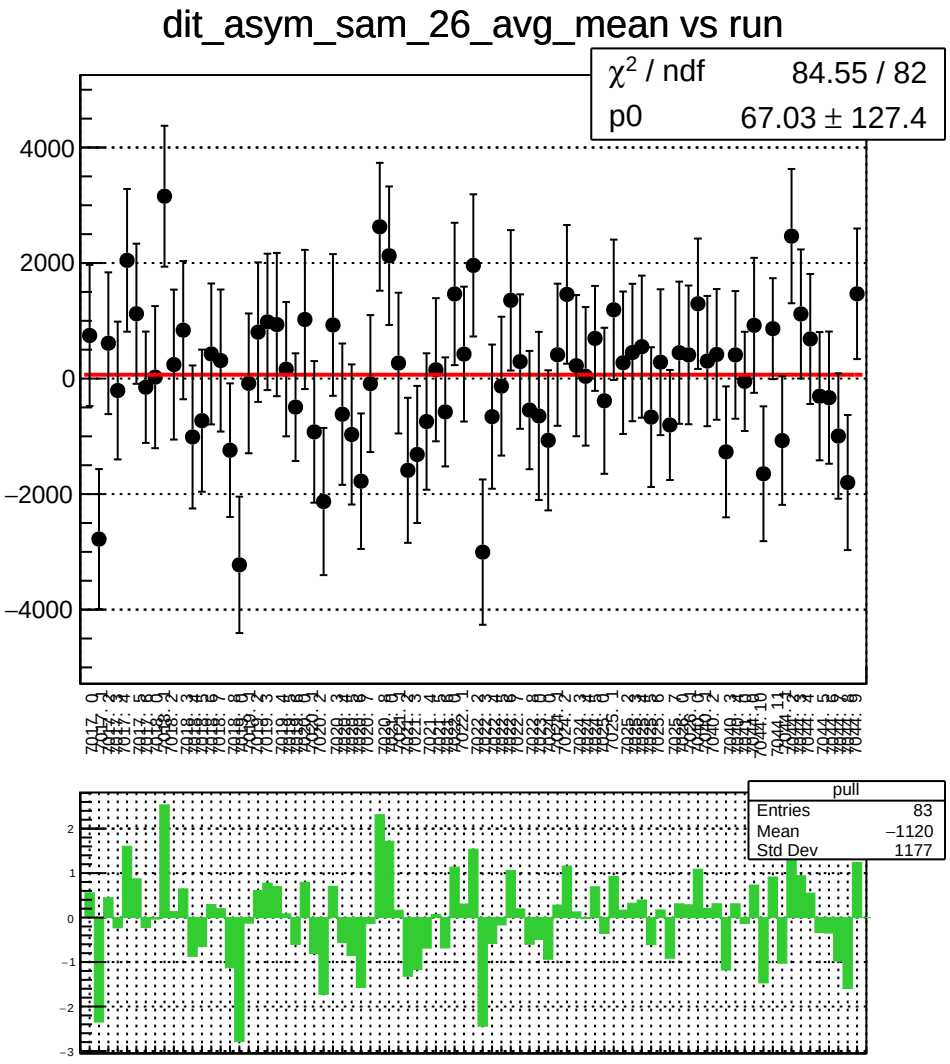

dit_asym_sam_15_avg_rms vs run
χ² / ndf 256.3 / 82
p0 67.45 ± 0.05335
70
69
68
67
66
65

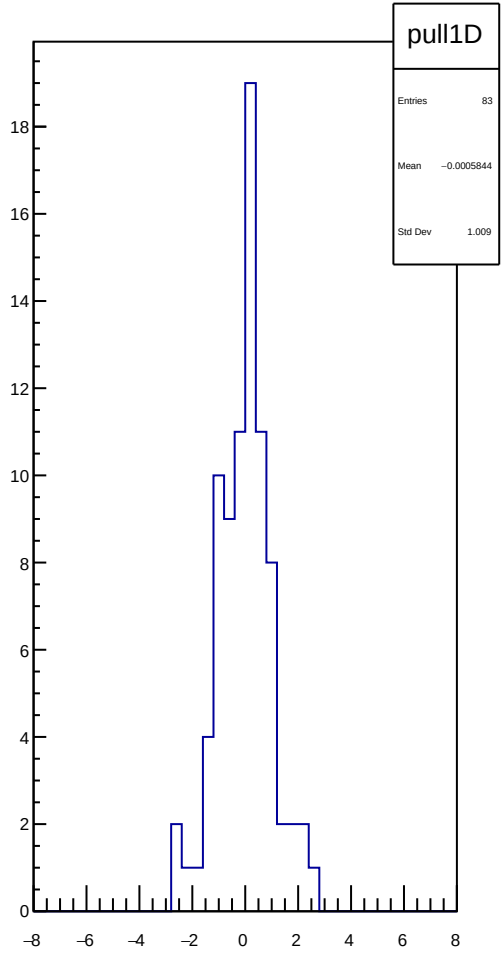

asym_sam_15_avg_correction_mean vs run
χ² / ndf 88.82 / 82
p0 −47.92 ± 394.2
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −48.76
Std Dev 115.5
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.0142
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 8498 / 82
p0 351.5 ± 0.2787
400
380
360
340
320
300
280

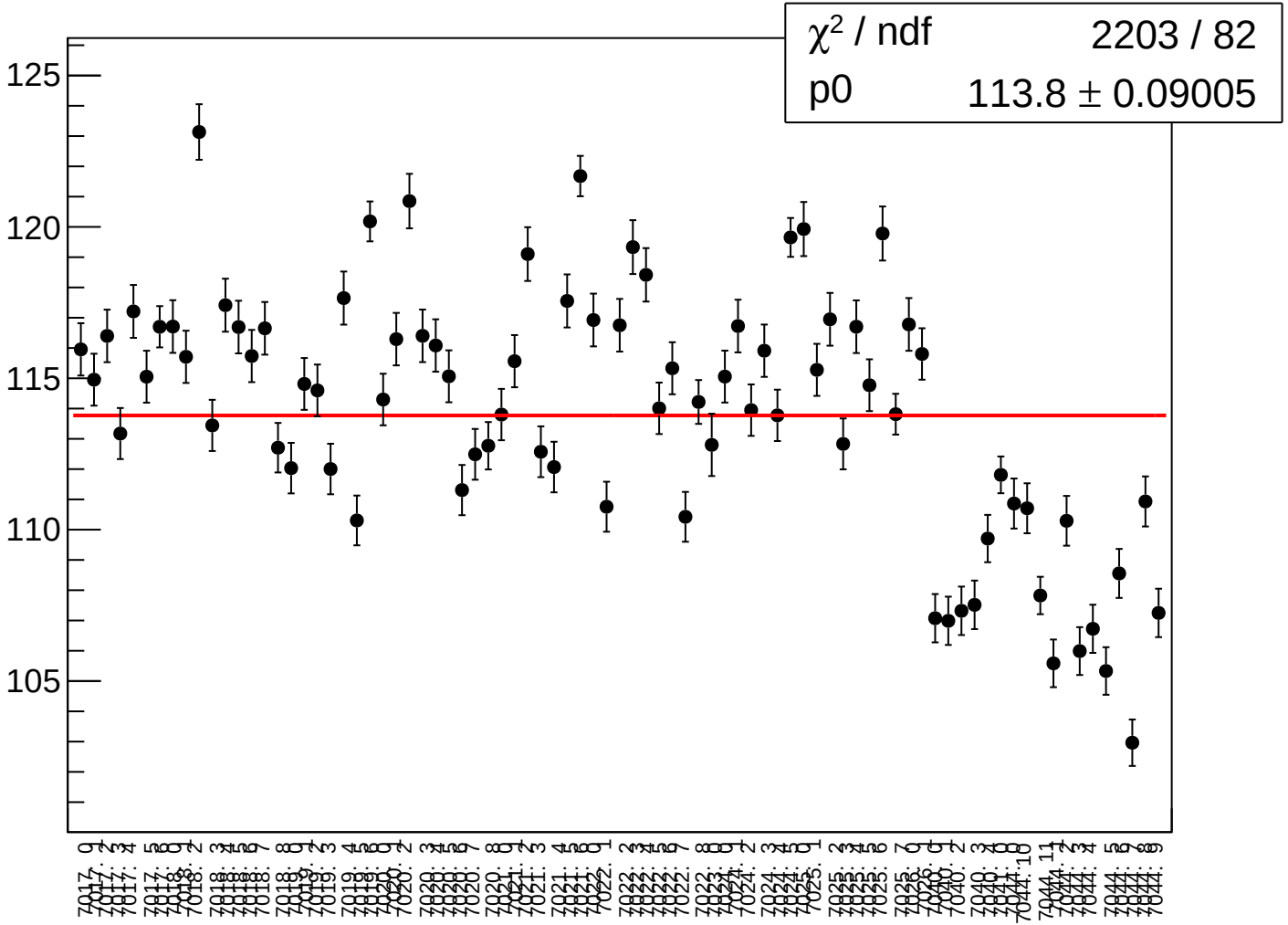

asym_sam_15_avg_mean vs run
χ² / ndf 85.48 / 82
p0 −22.81 ± 392.6
pull
Entries 83
Mean −21.67
Std Dev 87.6
pull1D
Entries 83
Mean 0.02026
Std Dev 1.015

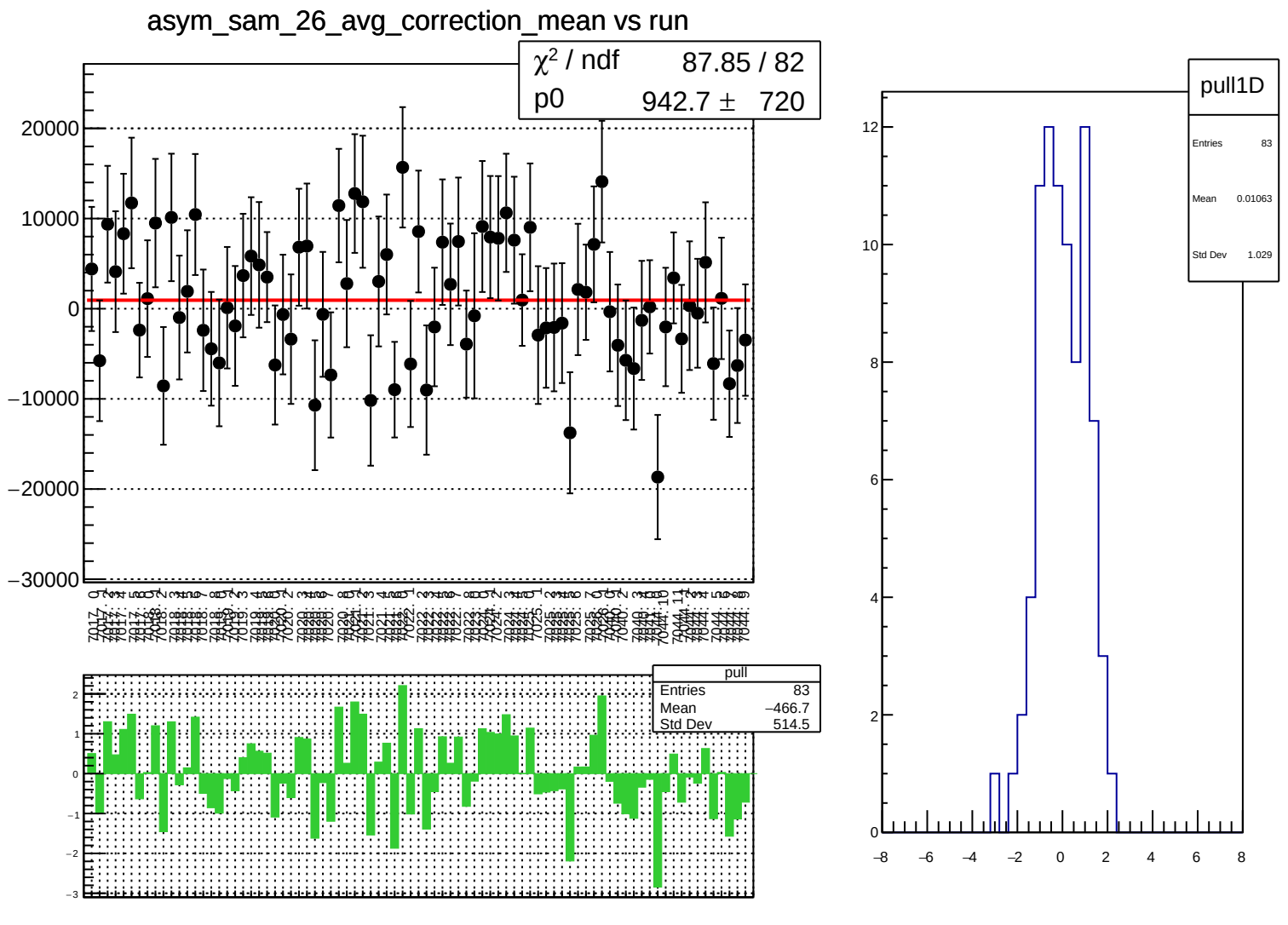

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.163e+04 / 82
p0 349.7 ± 0.2776
400
380
360
340
320
300
280

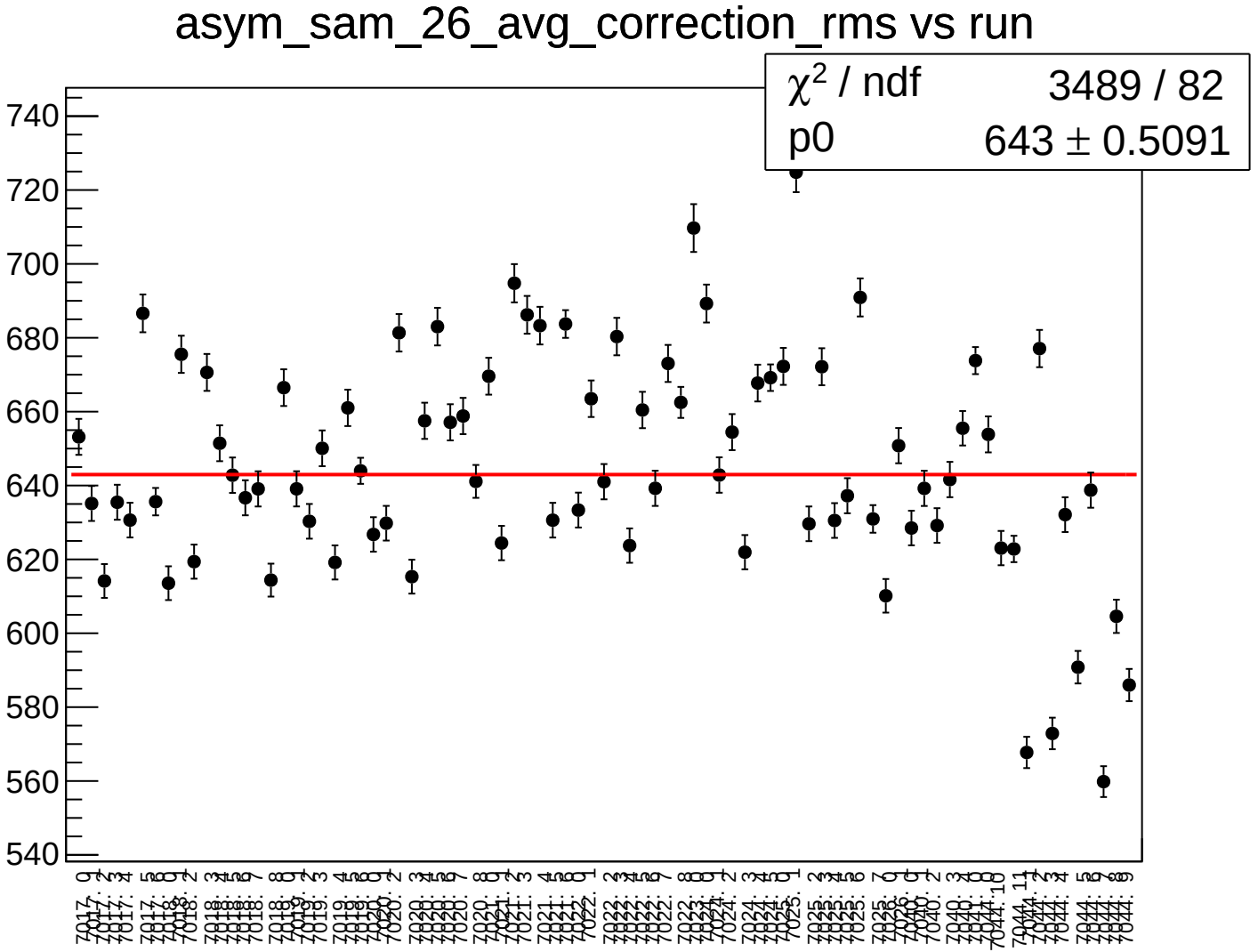

dit_asym_sam_26_avg_mean vs run
χ² / ndf 84.55 / 82
p0 67.03 ± 127.4
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −1120
Std Dev 1177
2
1
0
−1
−2
−3

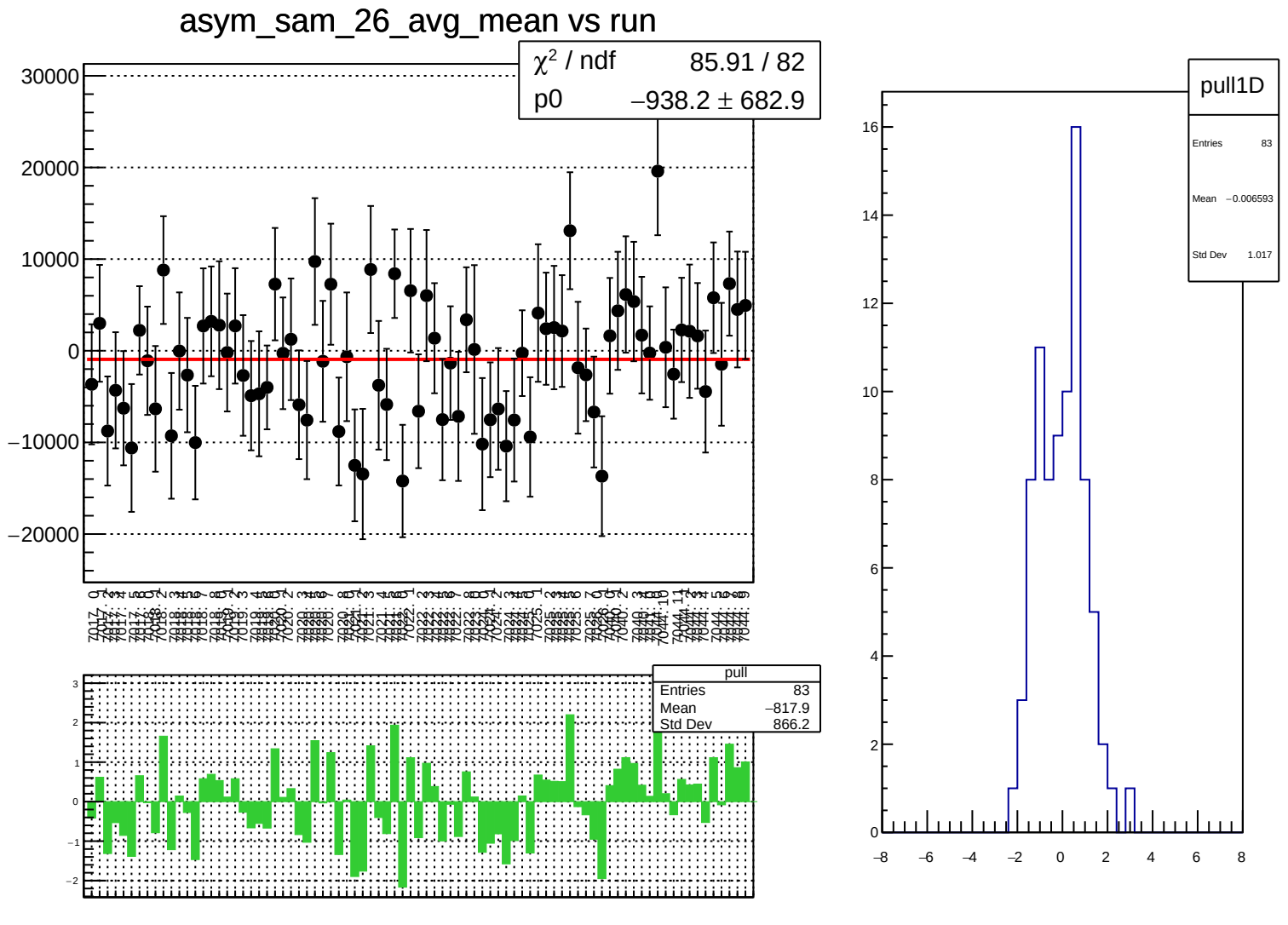

pull1D
Entries 83
Mean −0.0005844
Std Dev 1.009
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

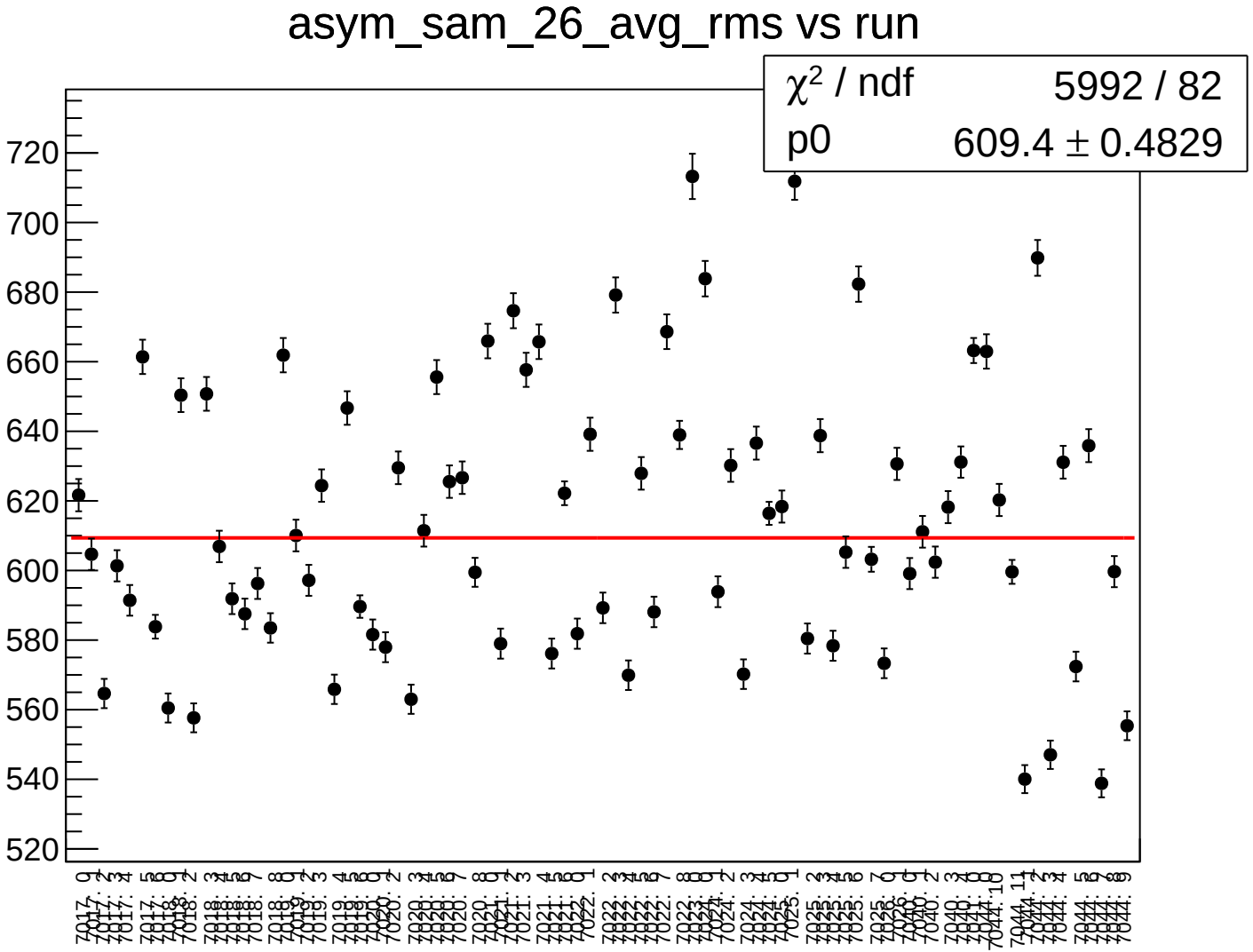
dit_asym_sam_26_avg_rms vs run

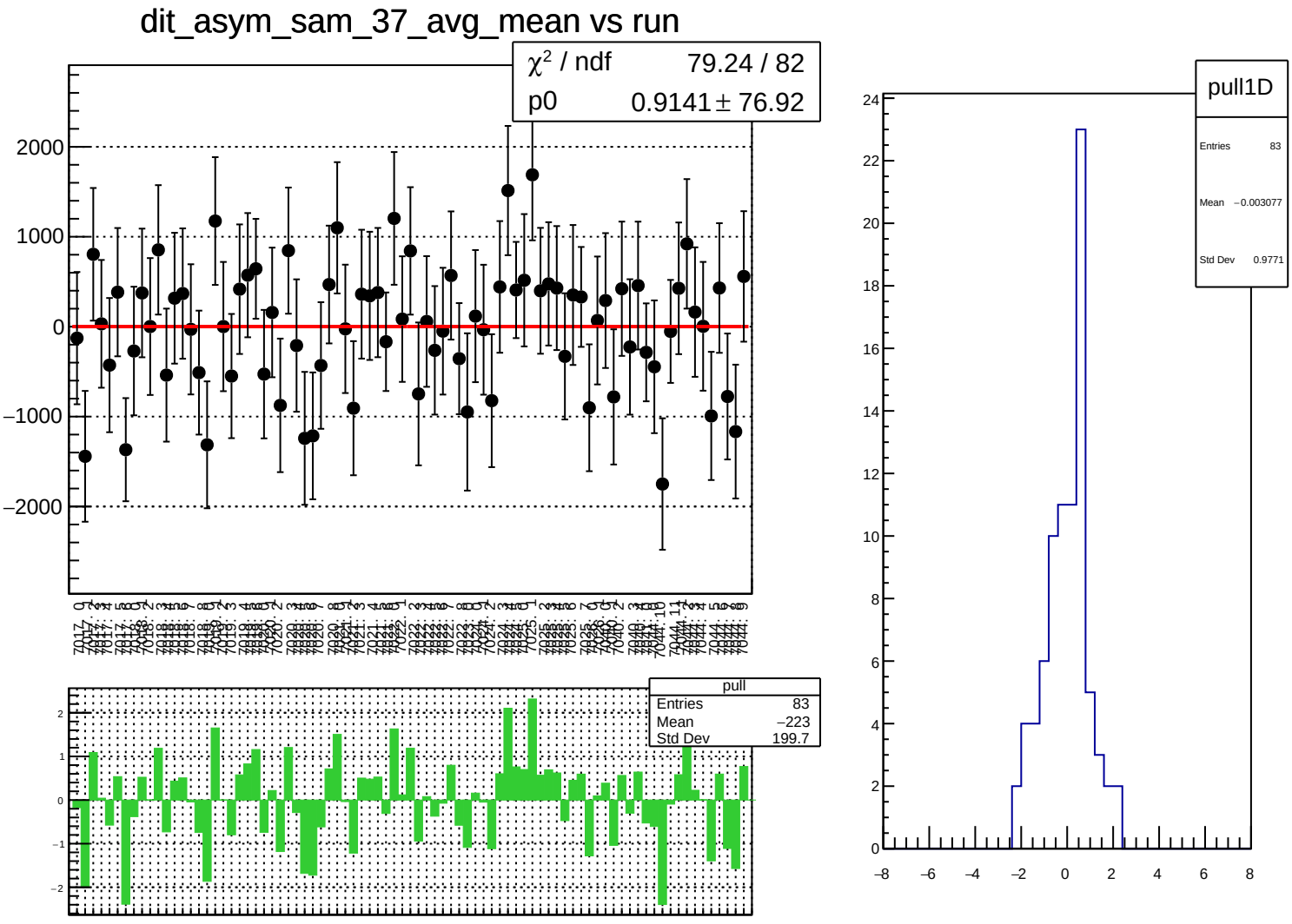



asym_sam_26_avg_correction_mean vs run
χ² / ndf 87.85 / 82
p0 942.7 ± 720
pull
Entries 83
Mean −466.7
Std Dev 514.5
pull1D
Entries 83
Mean 0.01063
Std Dev 1.029

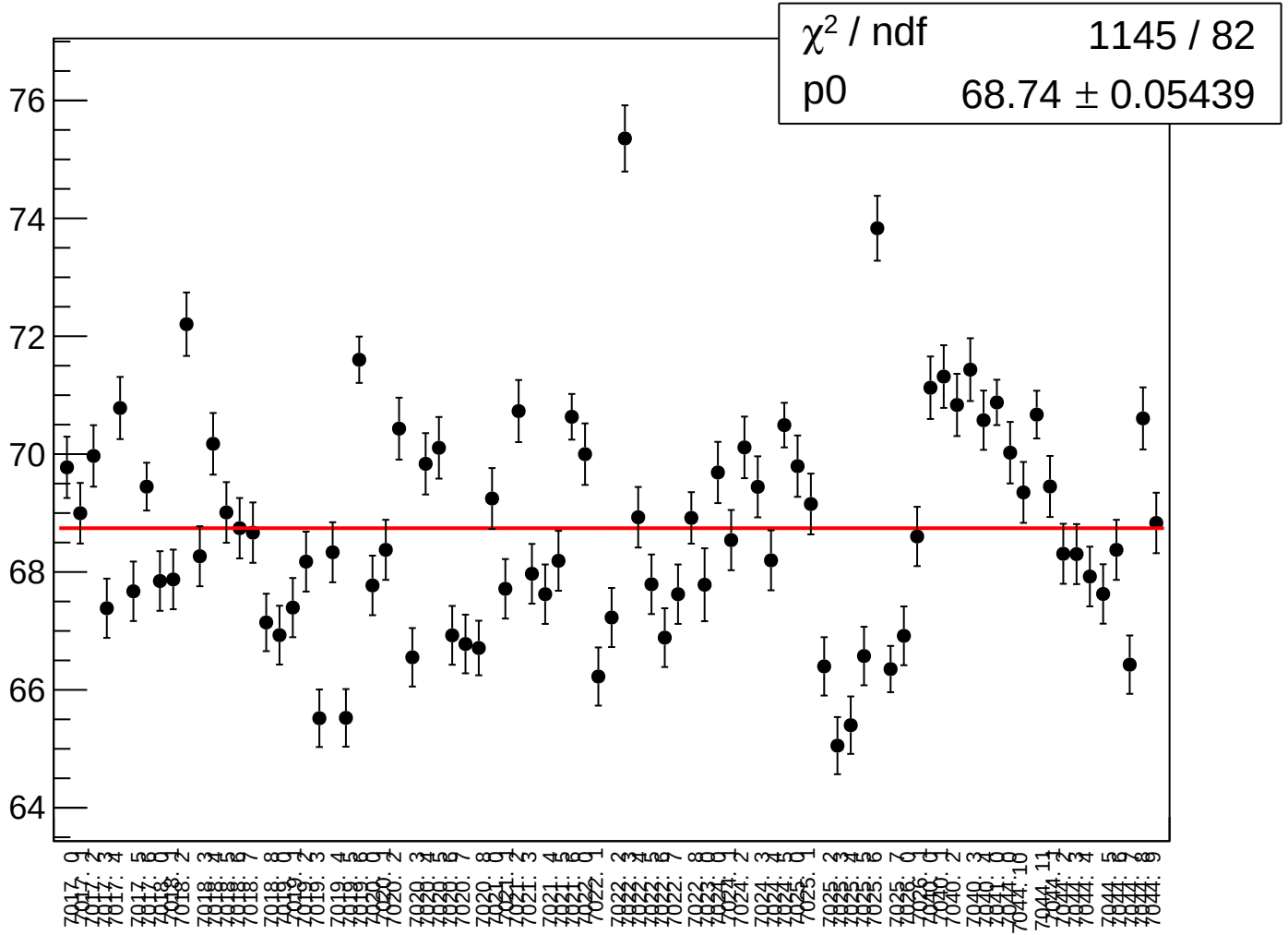

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 3489 / 82
p0 643 ± 0.5091
740
720
700
680
660
640
620
600
580
560
540

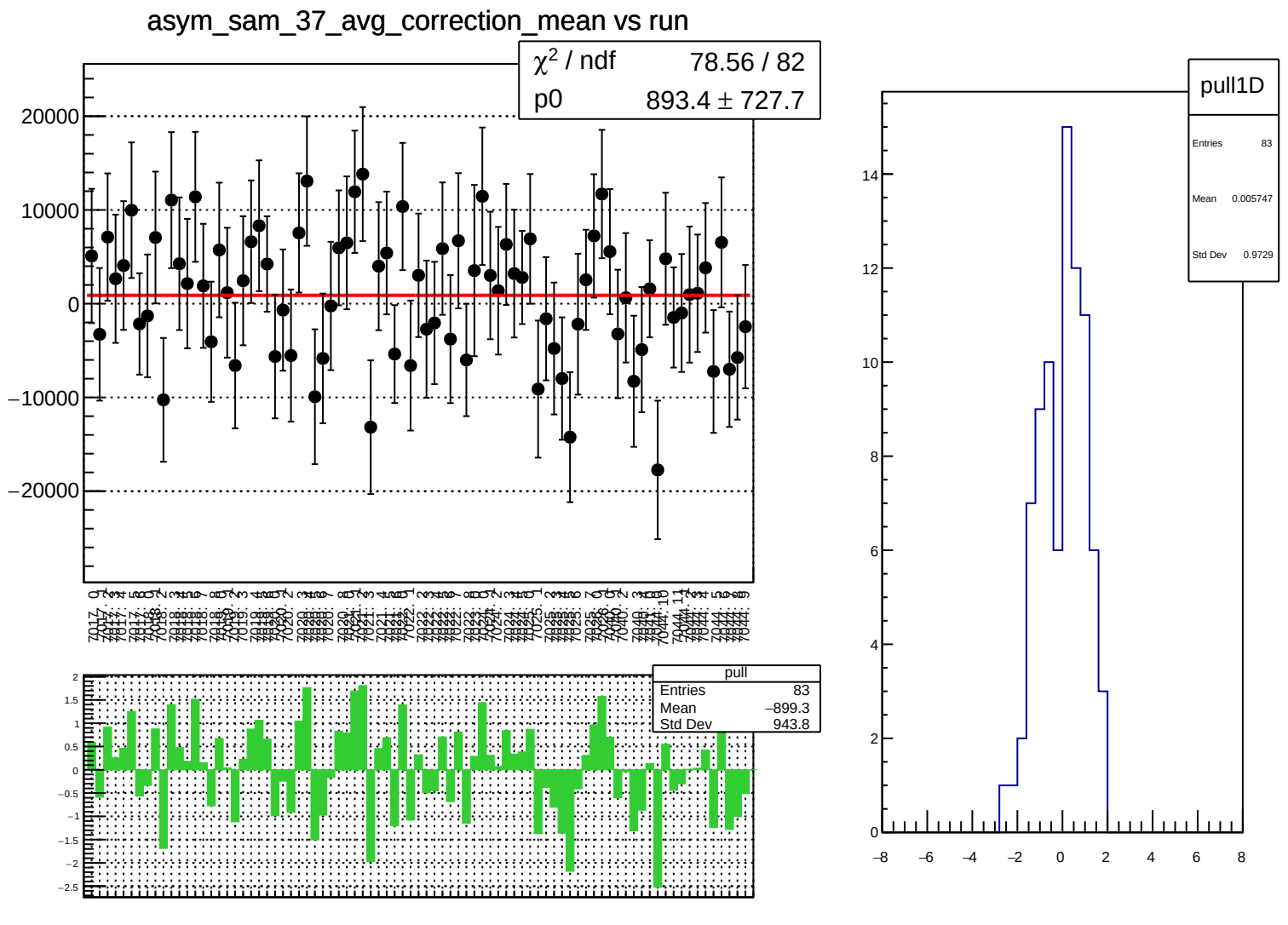

asym_sam_26_avg_mean vs run
χ² / ndf 85.91 / 82
p0 −938.2 ± 682.9
pull
Entries 83
Mean −817.9
Std Dev 866.2
pull1D
Entries 83
Mean −0.006593
Std Dev 1.017

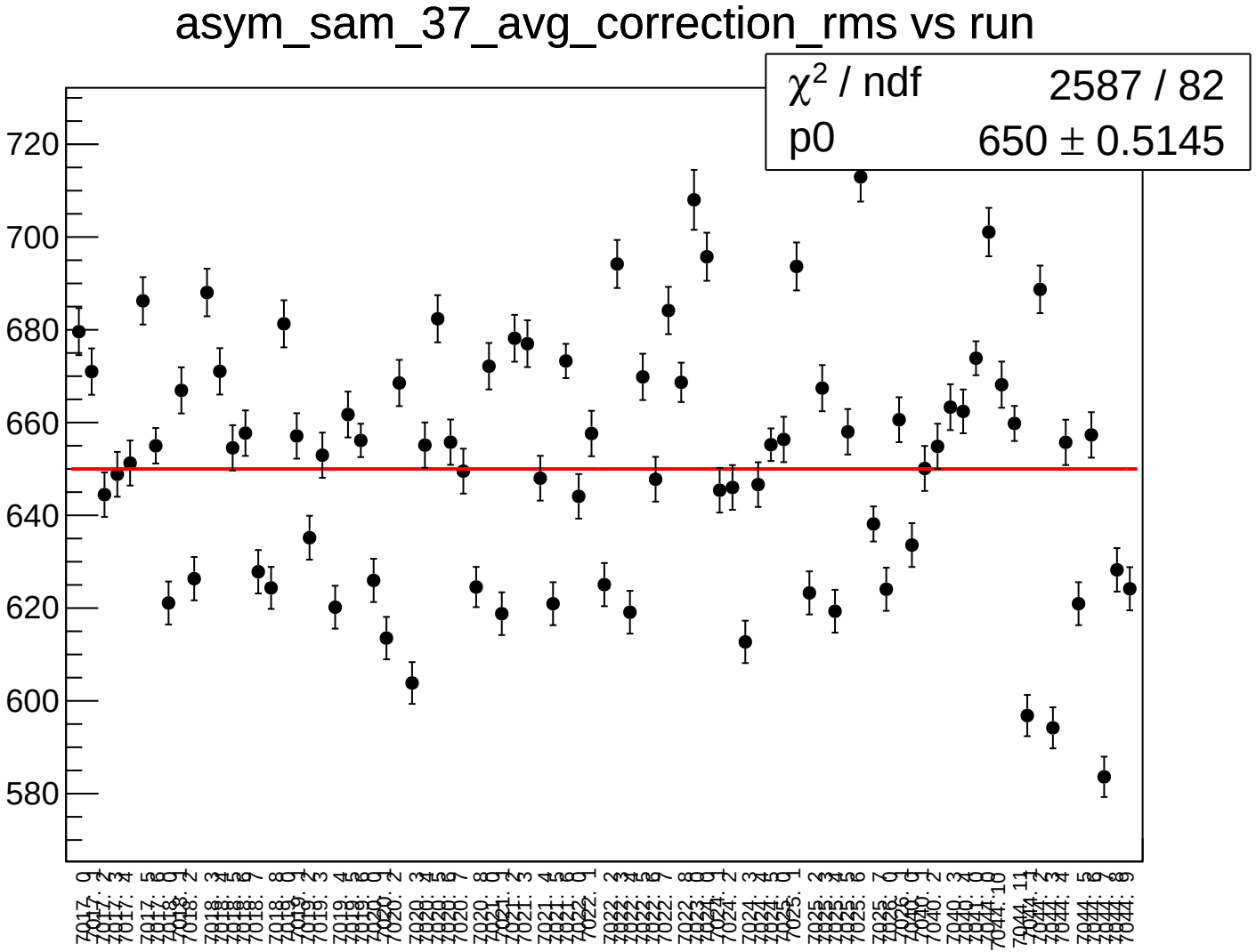

asym_sam_26_avg_rms vs run
χ^2 / ndf 5992 / 82
p0 609.4 ± 0.4829
720
700
680
660
640
620
600
580
560
540
520

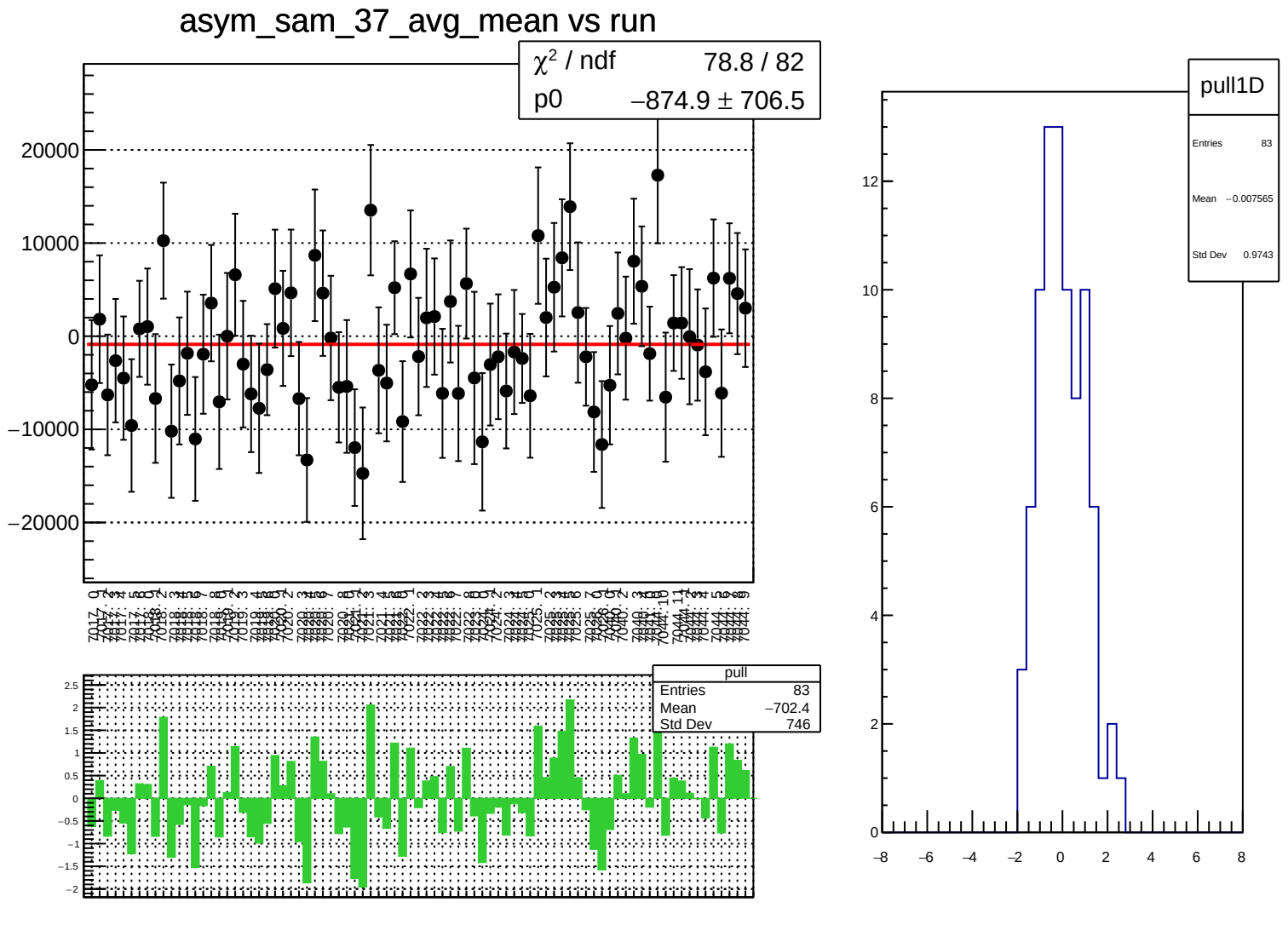

dit_asym_sam_37_avg_mean vs run
χ² / ndf 79.24 / 82
p0 0.9141 ± 76.92
2000
1000
0
−1000
−2000
pull
Entries 83
Mean −223
Std Dev 199.7
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003077
Std Dev 0.9771
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

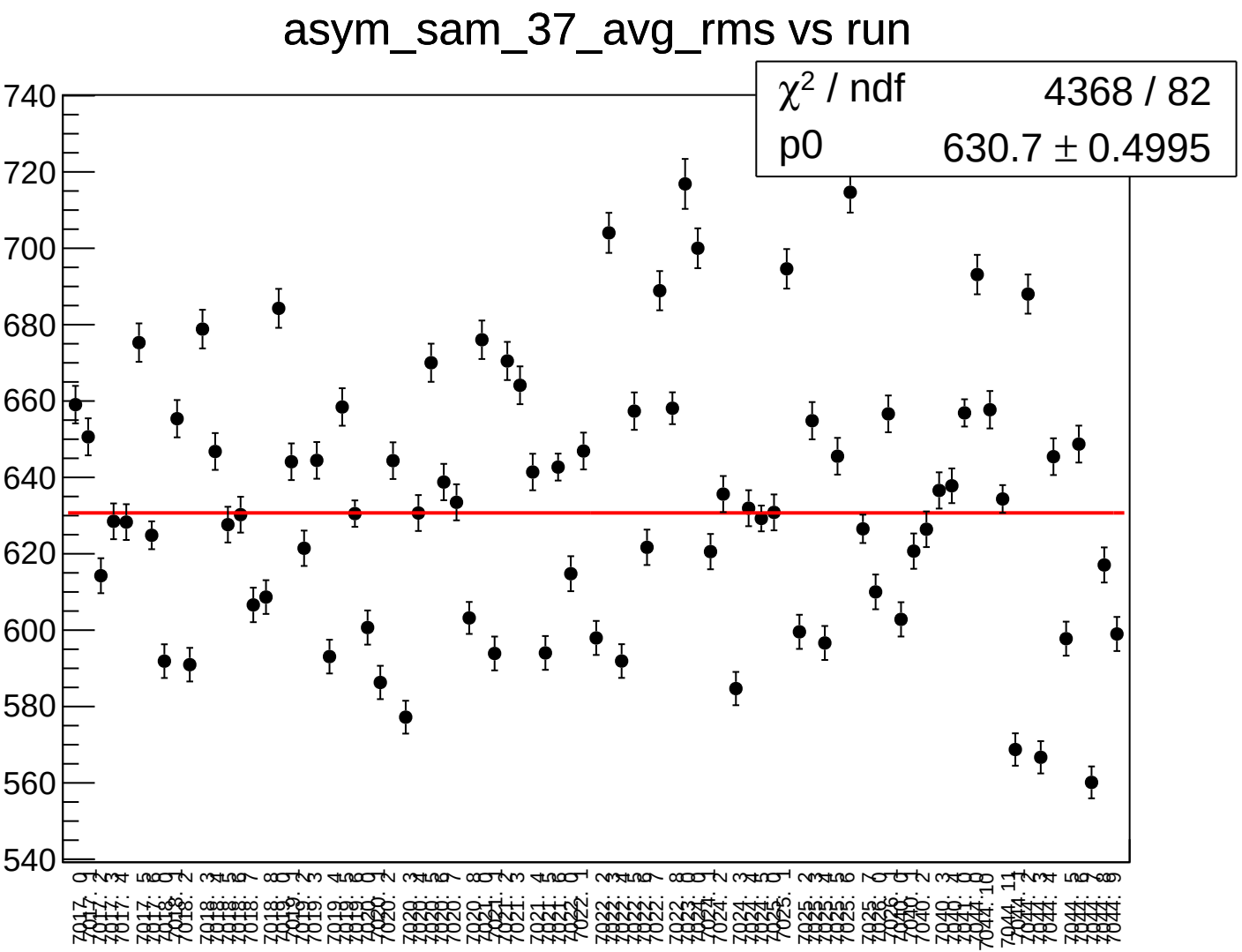
dit_asym_sam_37_avg_rms vs run

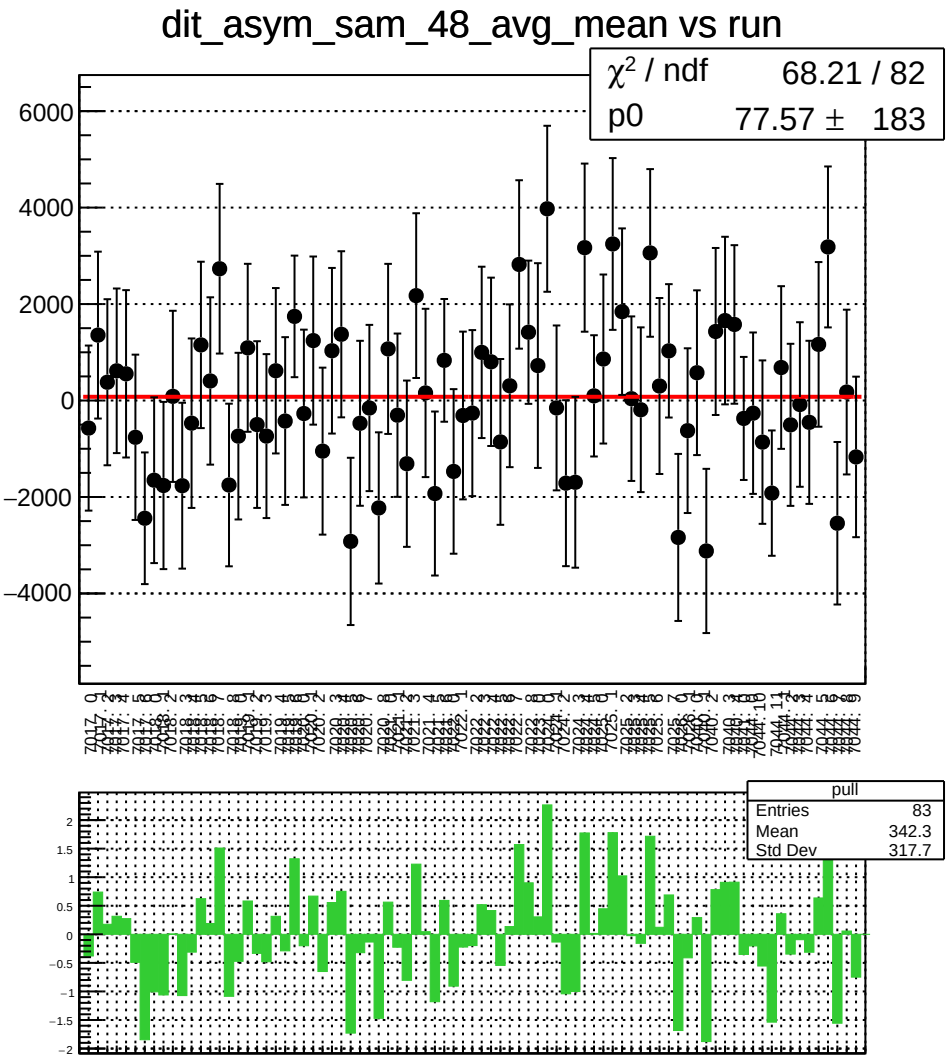


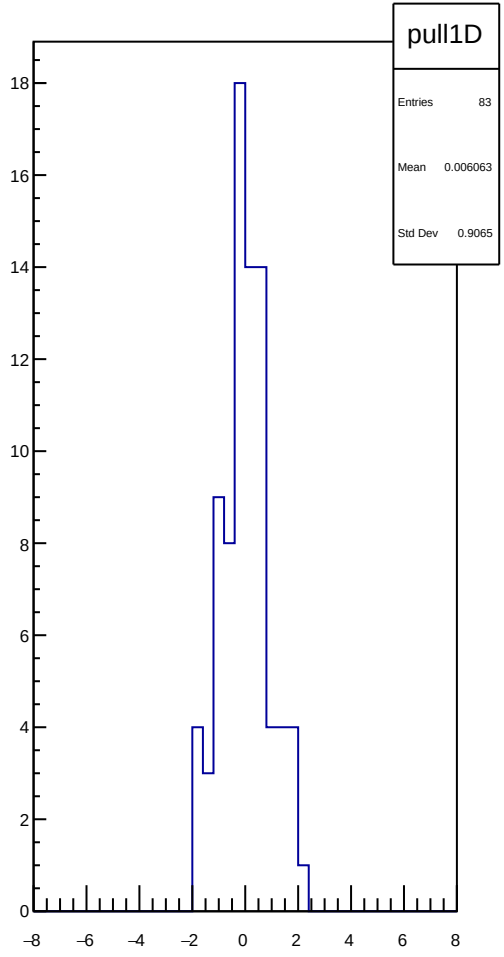

asym_sam_37_avg_correction_mean vs run
χ² / ndf 78.56 / 82
p0 893.4 ± 727.7
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −899.3
Std Dev 943.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean 0.005747
Std Dev 0.9729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_correction_rms vs run
χ2 / ndf 2587 / 82
p0 650 ± 0.5145
720
700
680
660
640
620
600
580

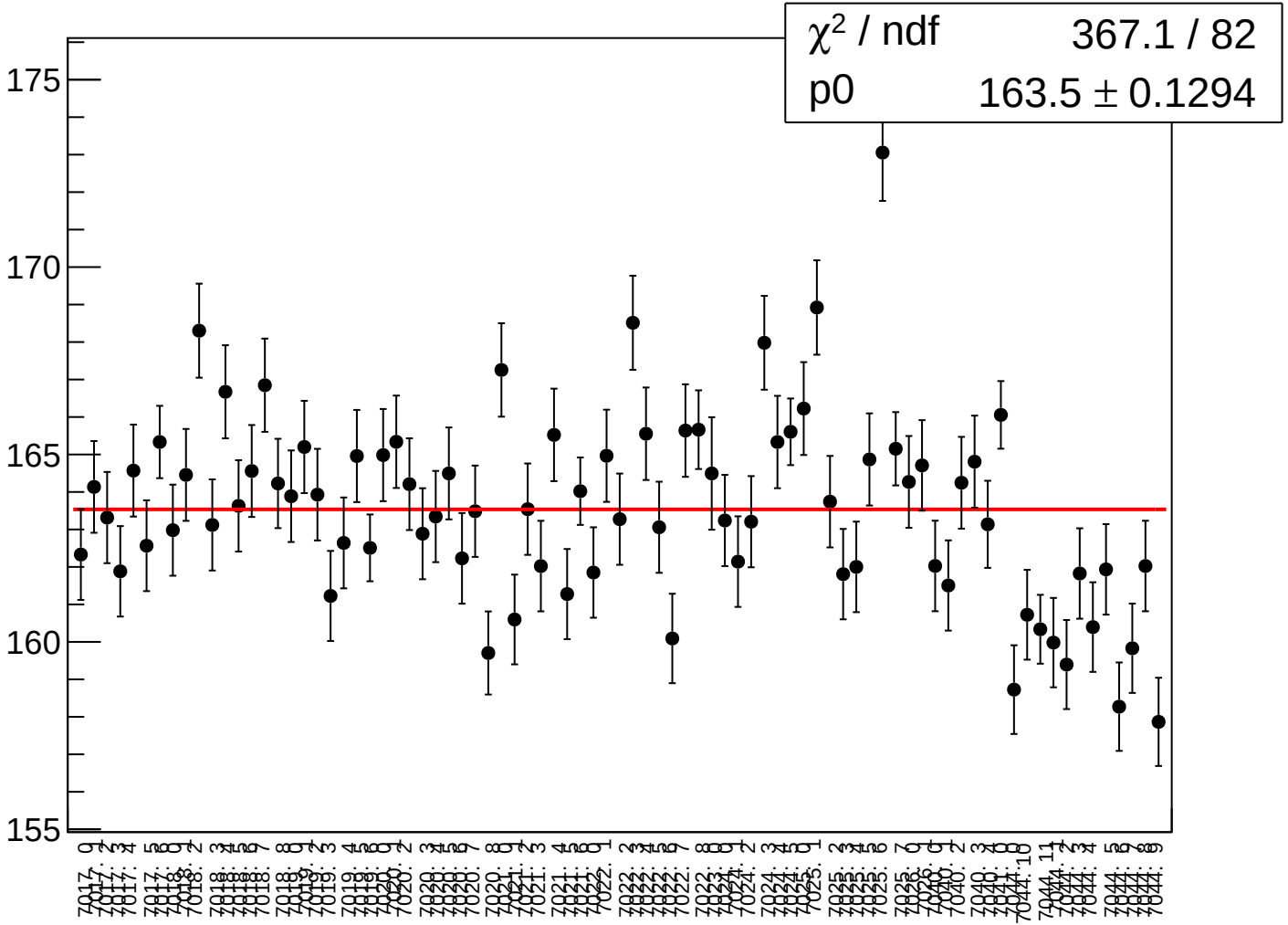

asym_sam_37_avg_mean vs run
χ² / ndf 78.8 / 82
p0 −874.9 ± 706.5
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −702.4
Std Dev 746
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.007565
Std Dev 0.9743
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

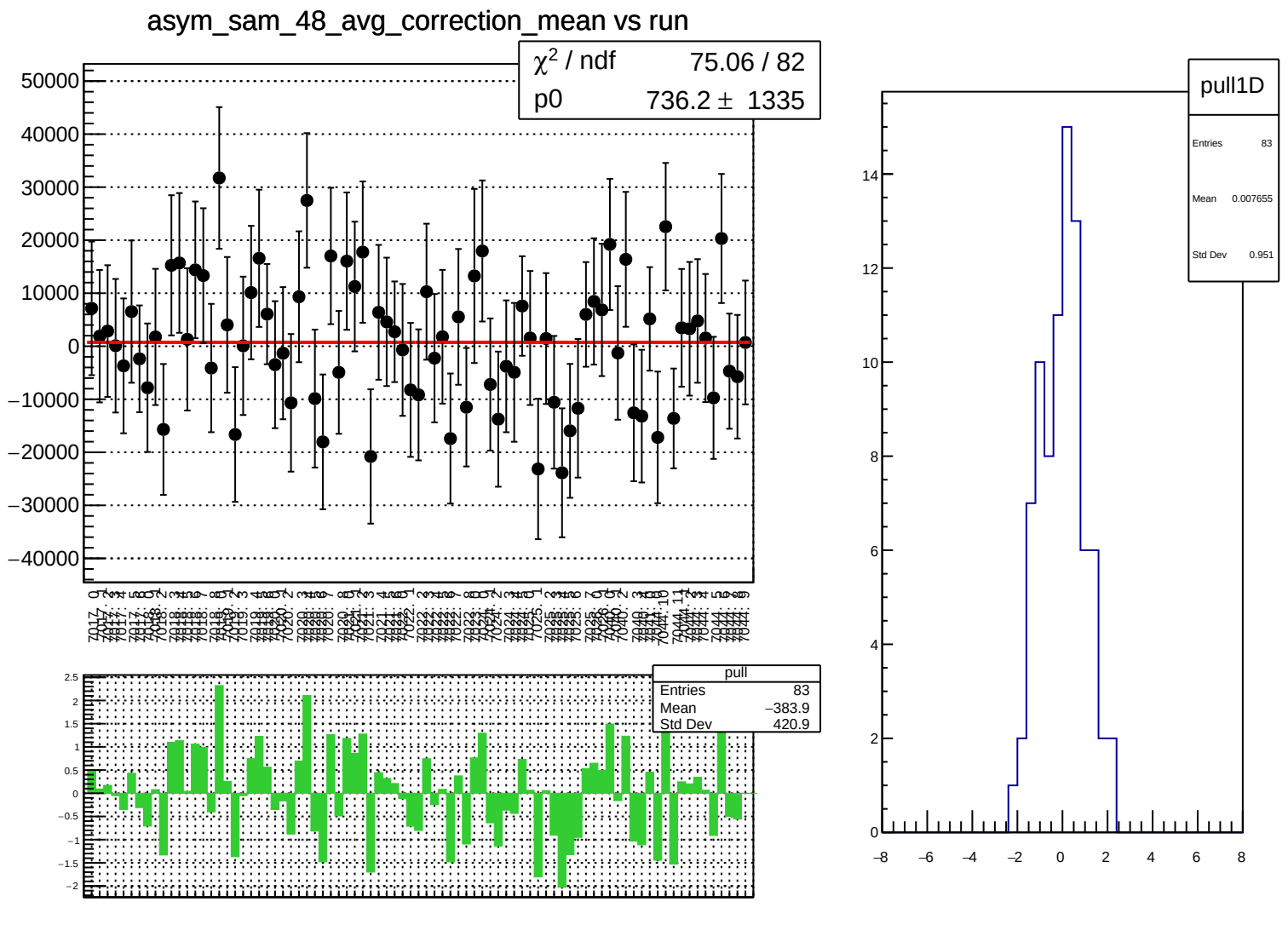

asym_sam_37_avg_rms vs run
χ^2 / ndf 4368 / 82
p0 630.7 ± 0.4995
740
720
700
680
660
640
620
600
580
560
540

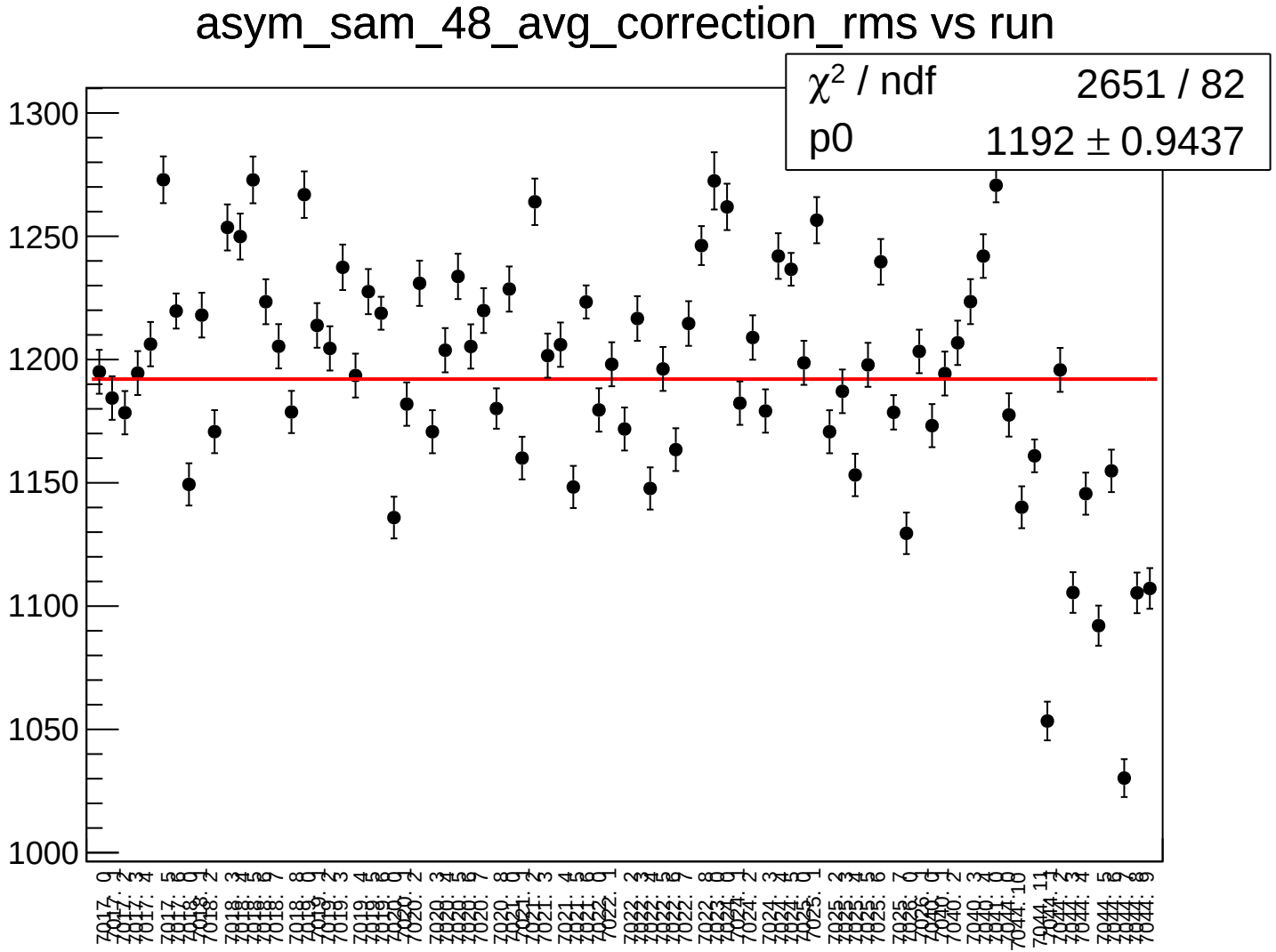

dit_asym_sam_48_avg_mean vs run
χ² / ndf 68.21 / 82
p0 77.57 ± 183
pull
Entries 83
Mean 342.3
Std Dev 317.7

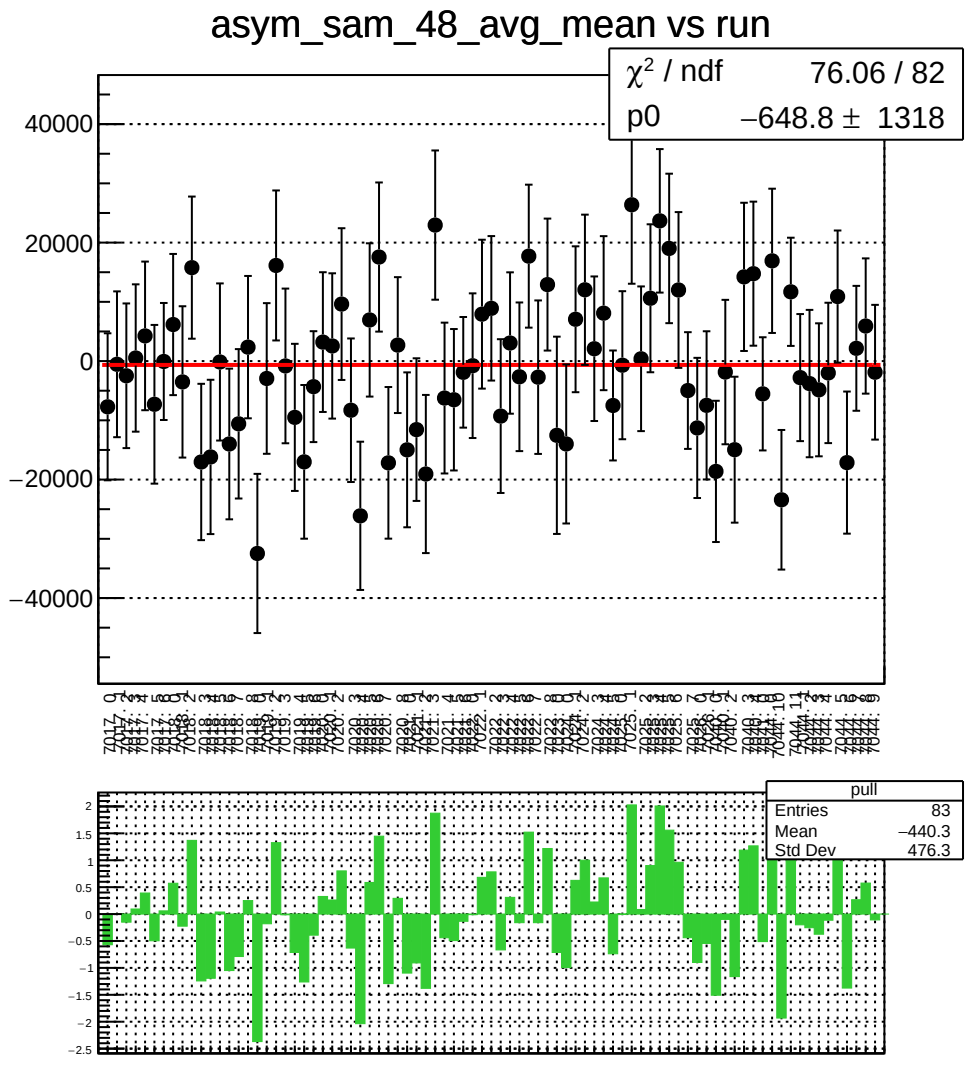

pull1D
Entries 83
Mean 0.006063
Std Dev 0.9065

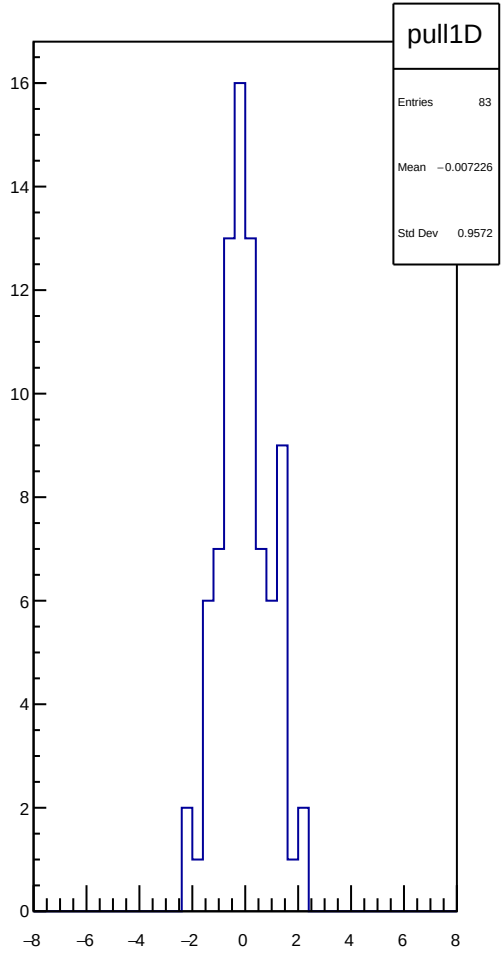
dit_asym_sam_48_avg_rms vs run

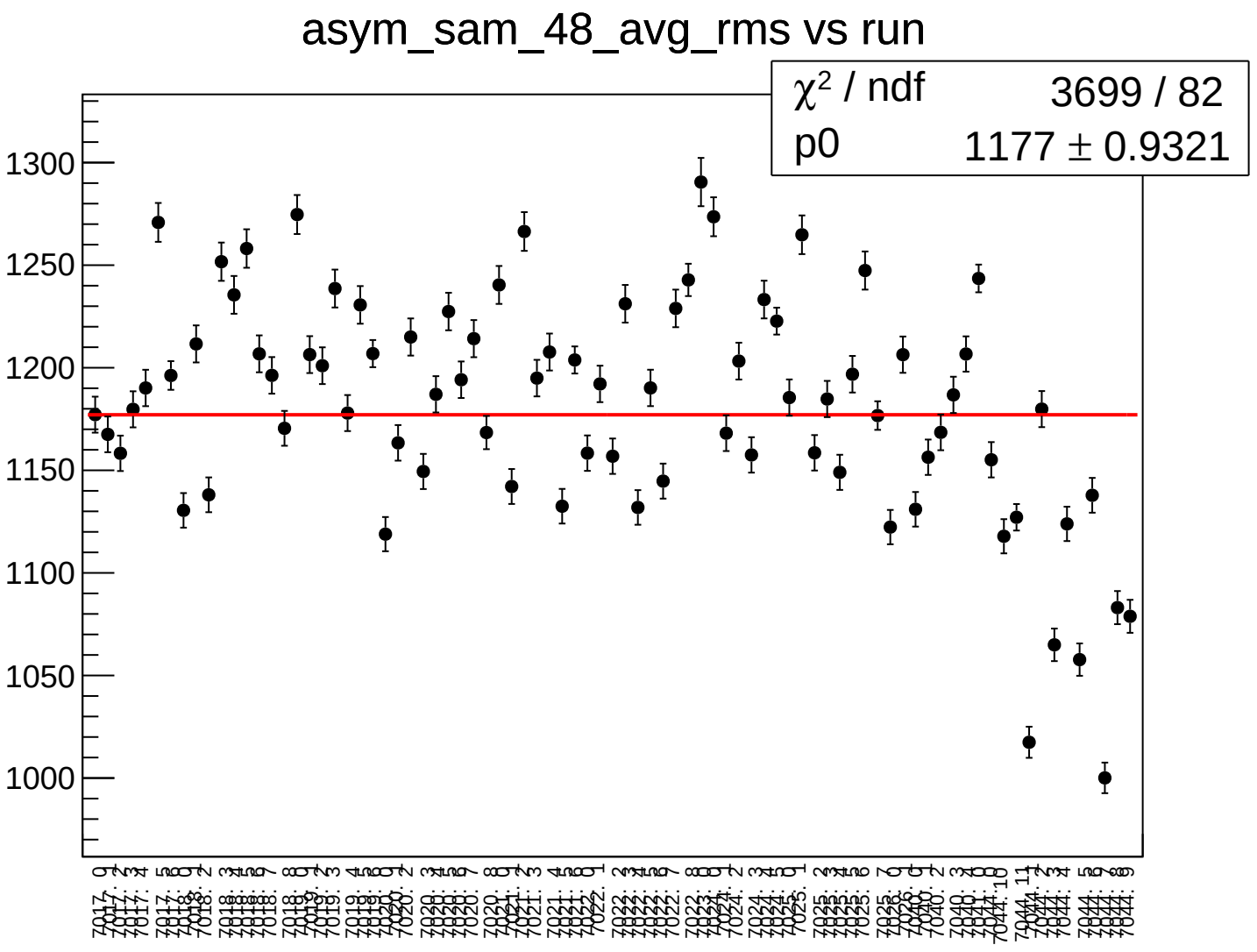


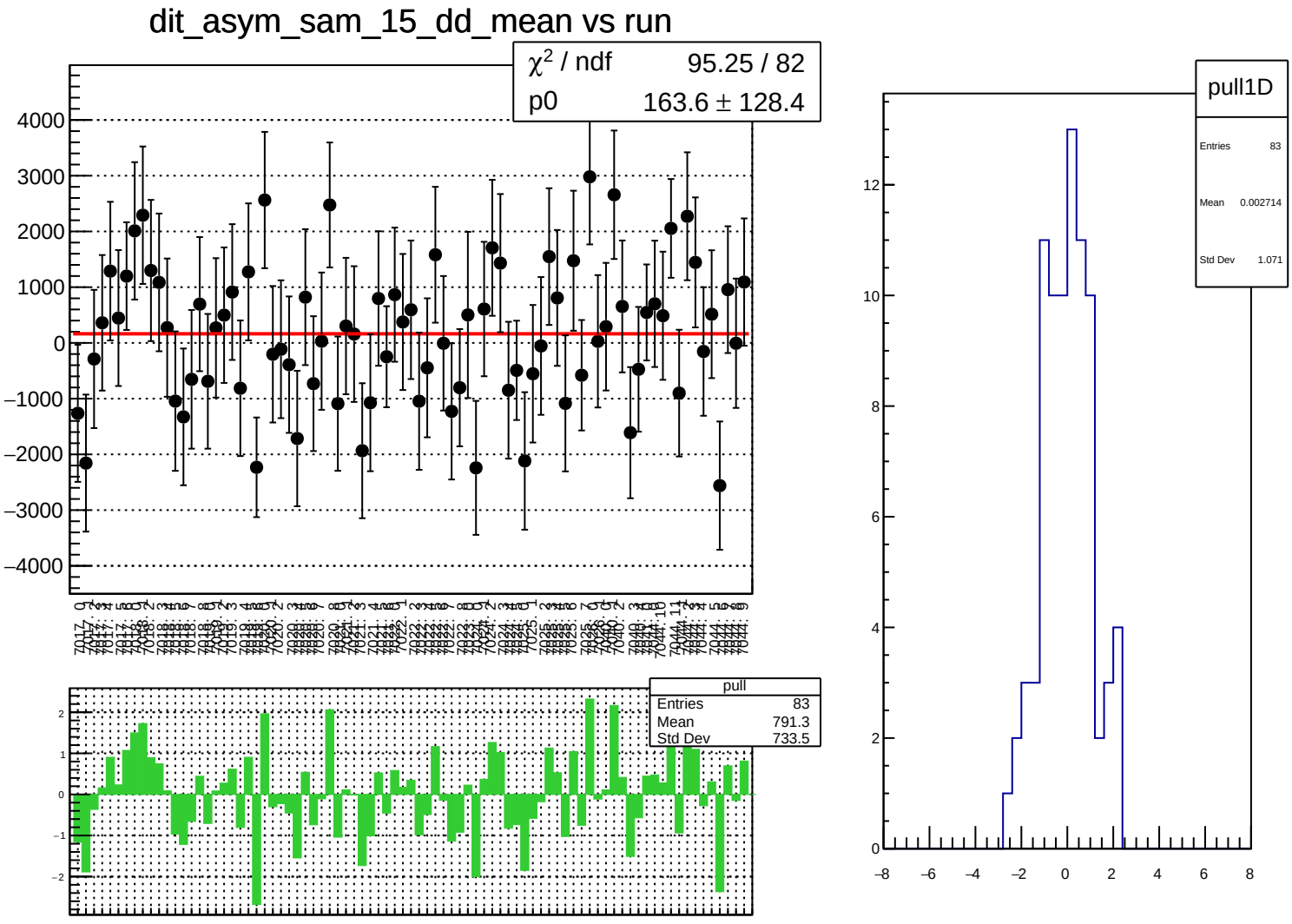

asym_sam_48_avg_correction_mean vs run
χ² / ndf 75.06 / 82
p0 736.2 ± 1335
pull
Entries 83
Mean −383.9
Std Dev 420.9
pull1D
Entries 83
Mean 0.007655
Std Dev 0.951


asym_sam_48_avg_correction_rms vs run
χ² / ndf 2651 / 82
p0 1192 ± 0.9437
1300
1250
1200
1150
1100
1050
1000

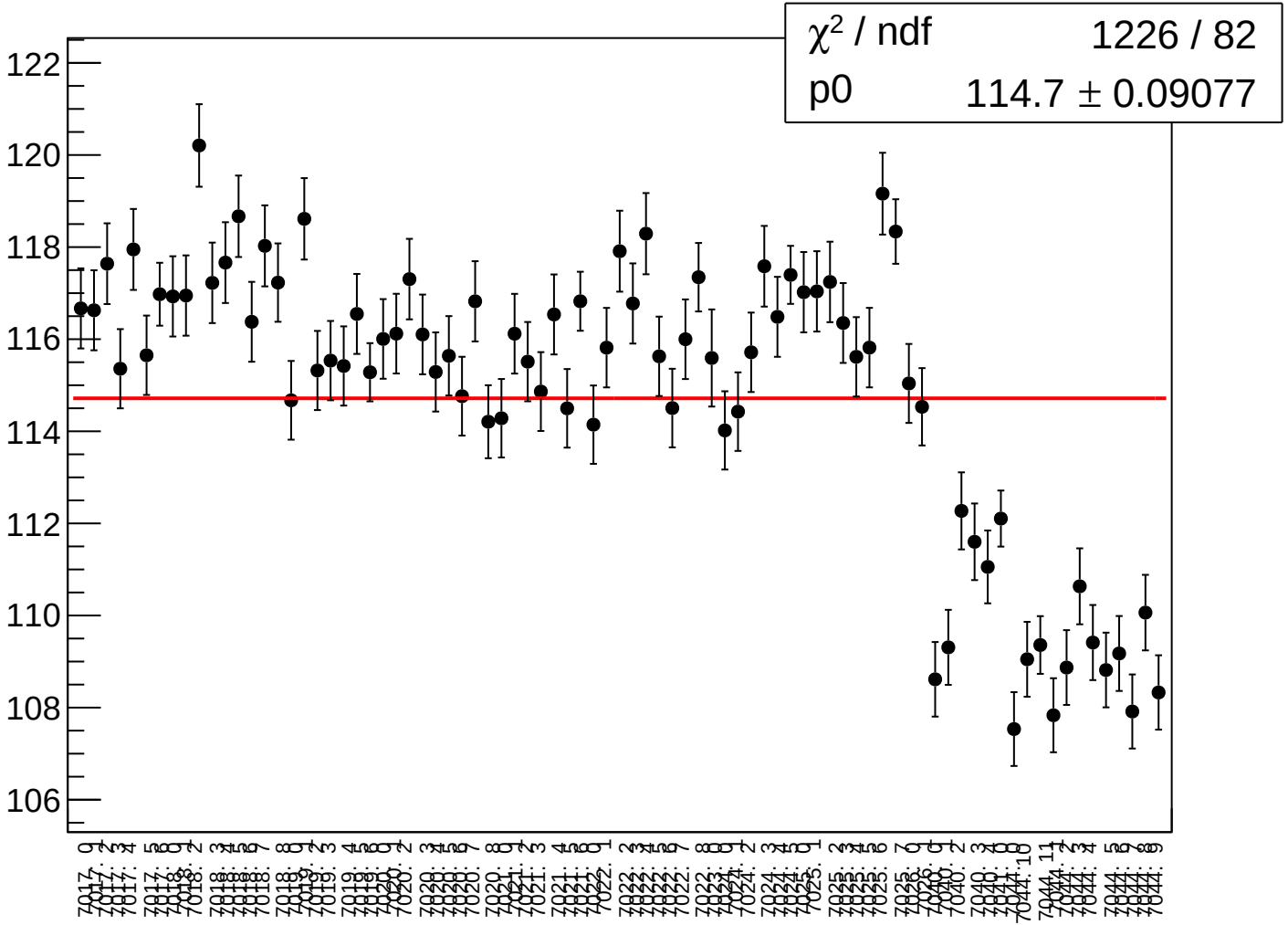

asym_sam_48_avg_mean vs run
χ² / ndf 76.06 / 82
p0 −648.8 ± 1318
40000
20000
0
−20000
−40000
pull
Entries 83
Mean −440.3
Std Dev 476.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

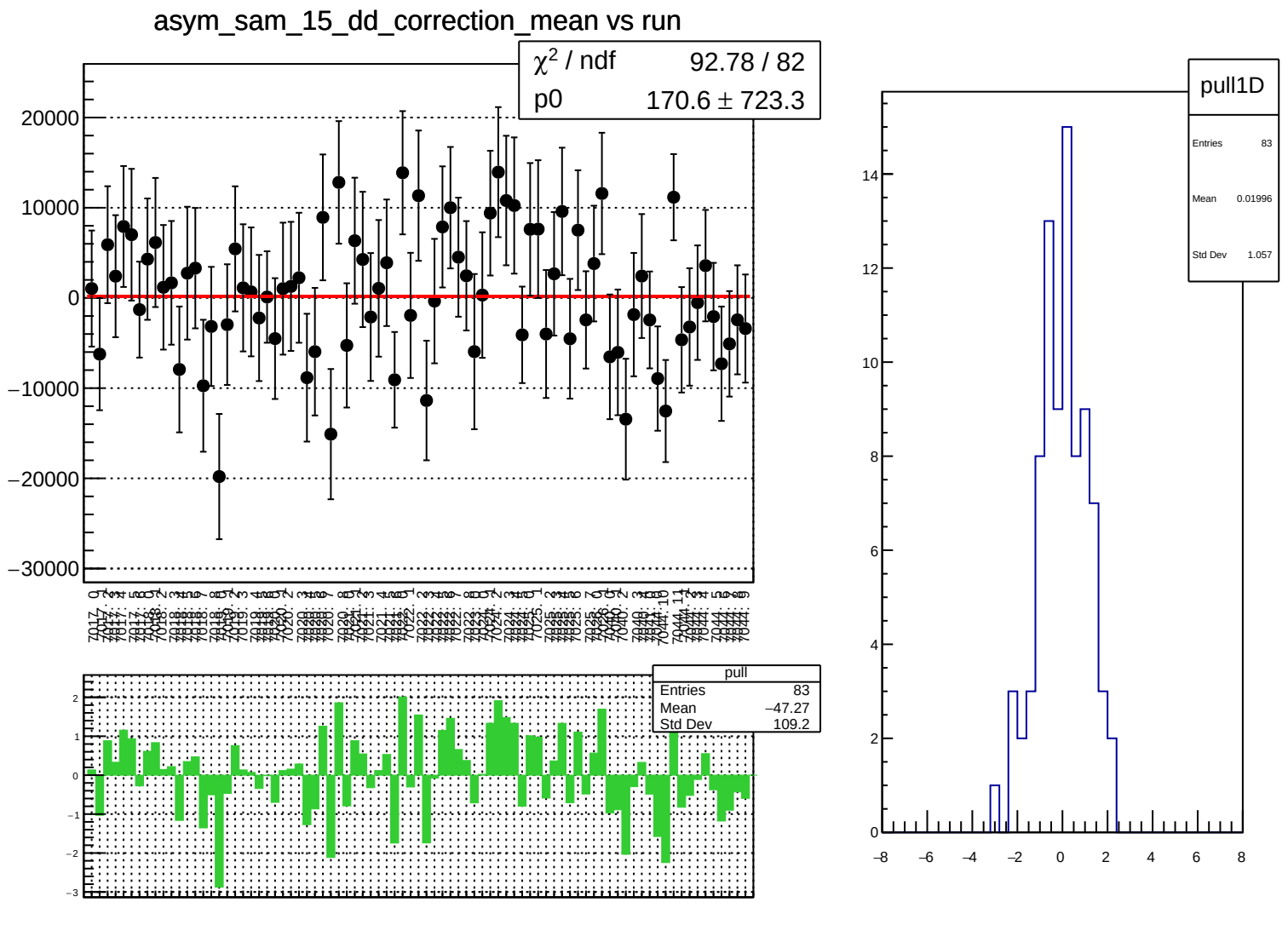

pull1D
Entries 83
Mean −0.007226
Std Dev 0.9572
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

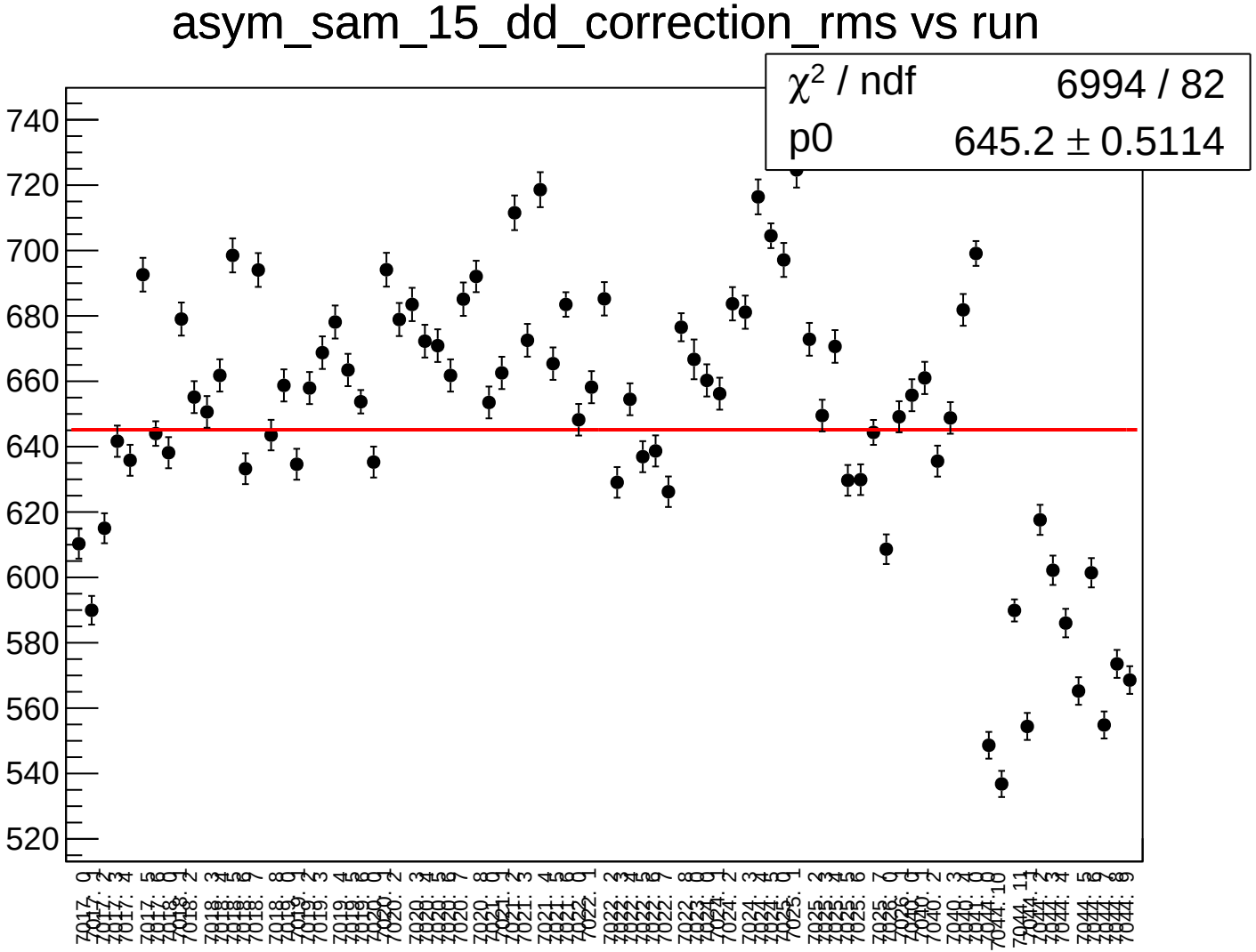

asym_sam_48_avg_rms vs run
χ² / ndf 3699 / 82
p0 1177 ± 0.9321
1300
1250
1200
1150
1100
1050
1000

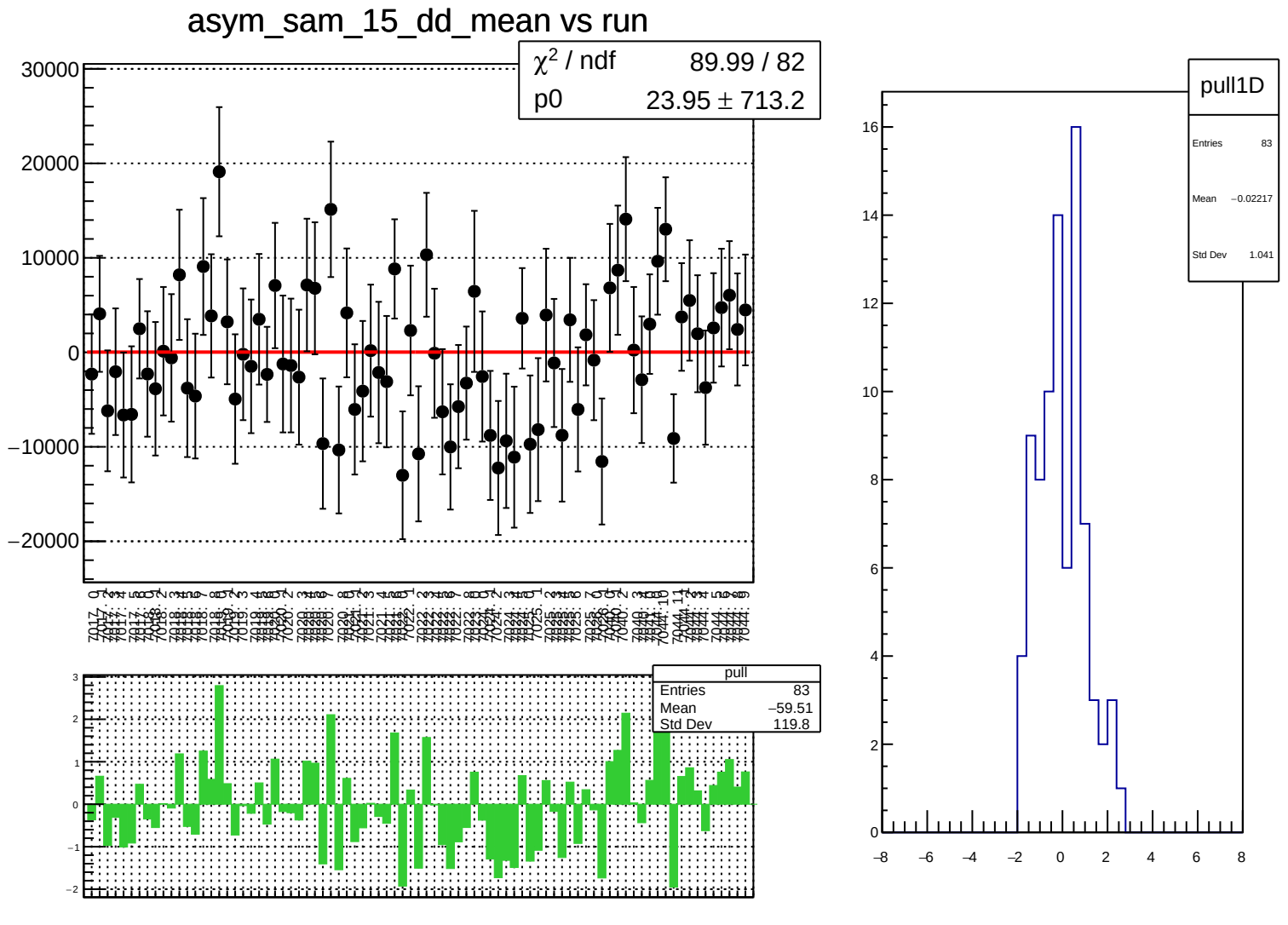

dit_asym_sam_15_dd_mean vs run
χ² / ndf 95.25 / 82
p0 163.6 ± 128.4
pull
Entries 83
Mean 791.3
Std Dev 733.5
pull1D
Entries 83
Mean 0.002714
Std Dev 1.071

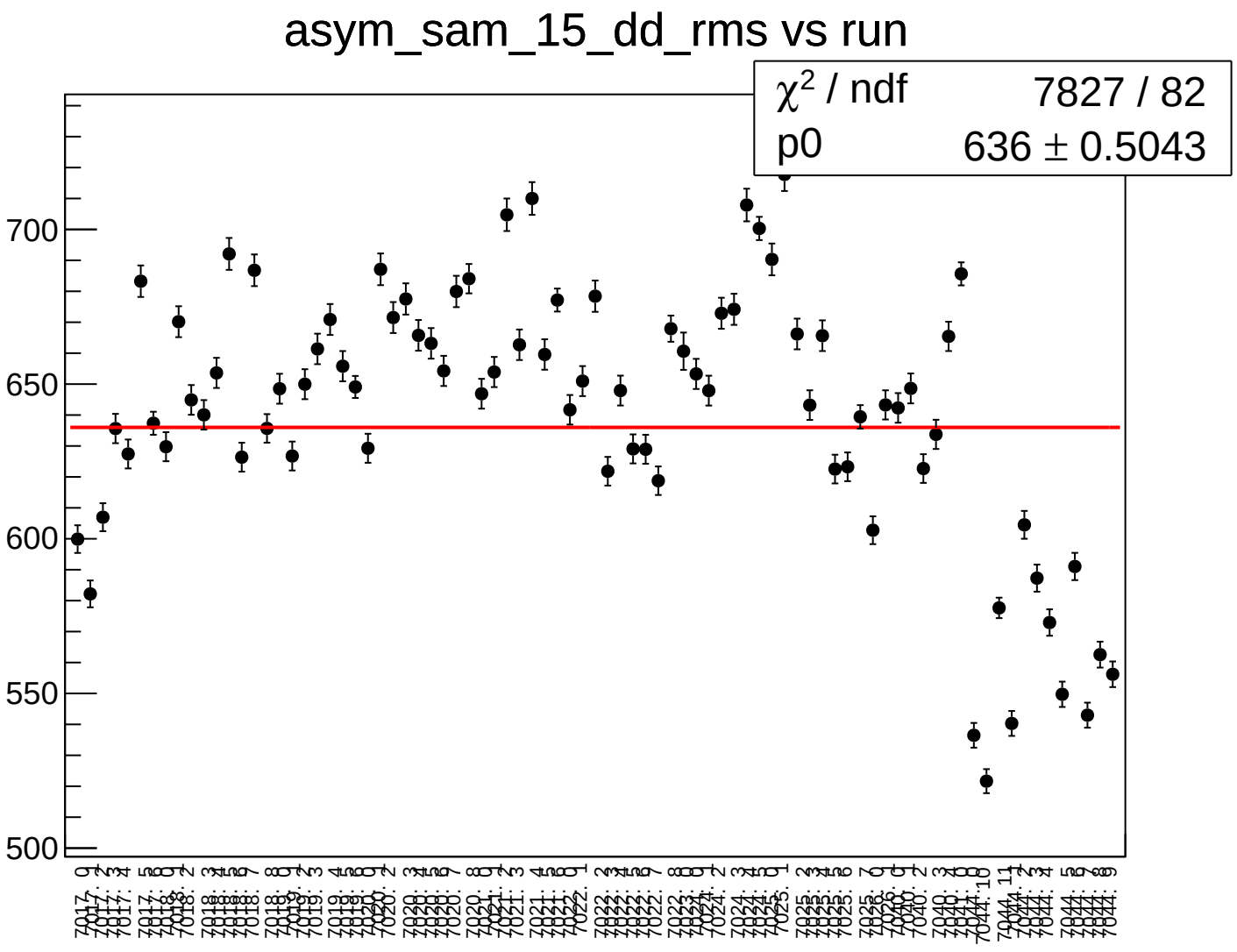
dit_asym_sam_15_dd_rms vs run

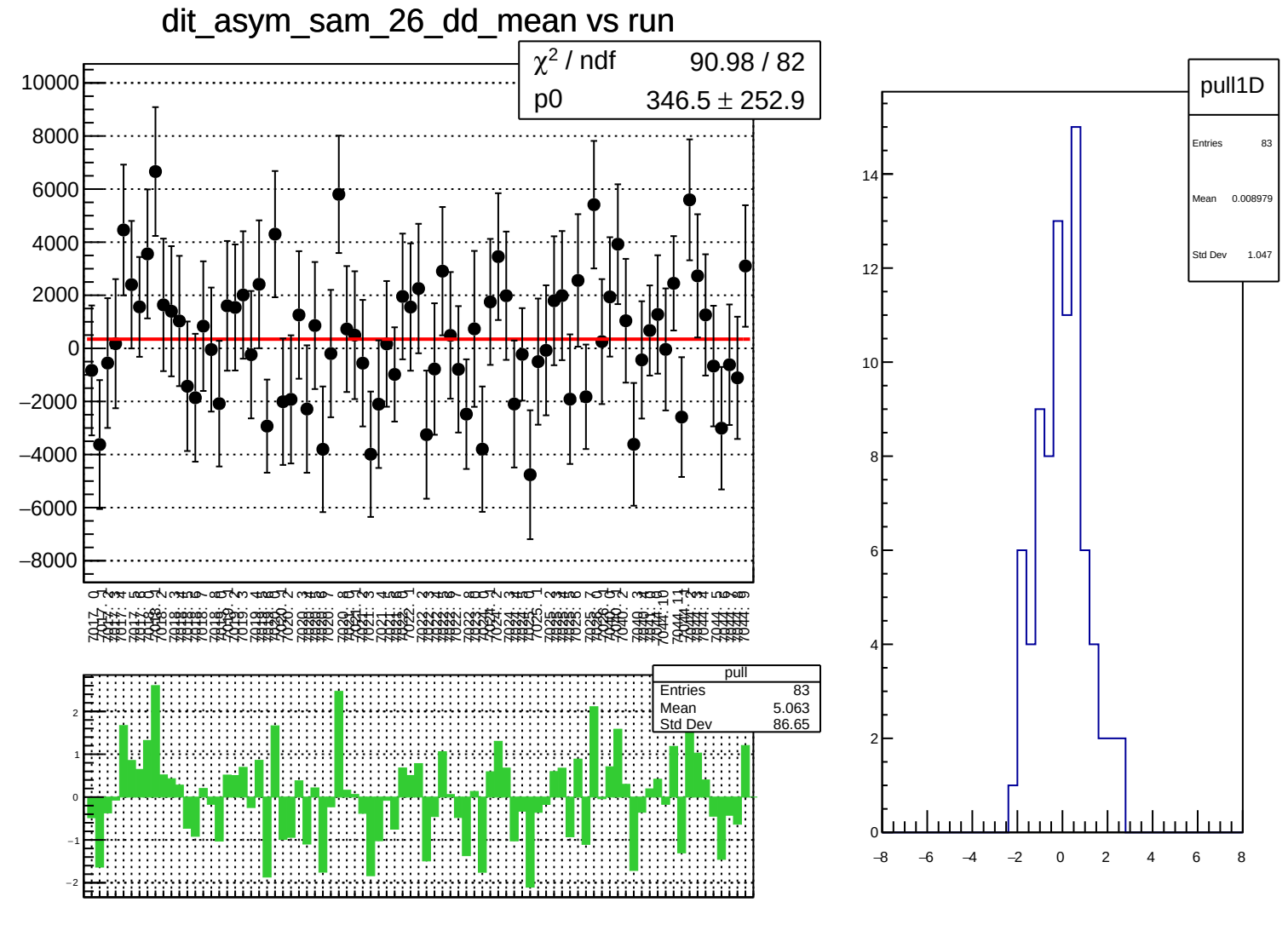


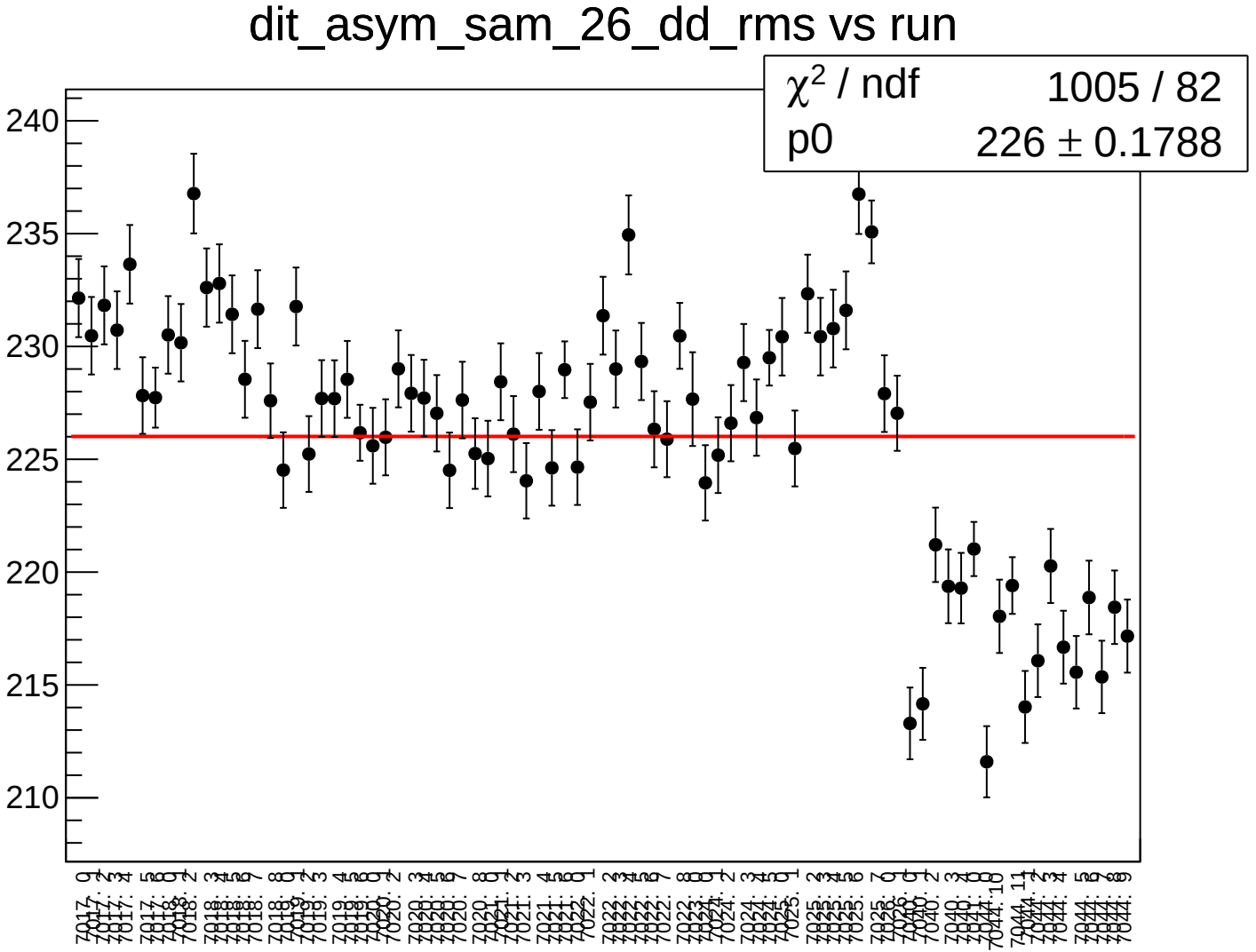

asym_sam_15_dd_correction_mean vs run
χ² / ndf 92.78 / 82
p0 170.6 ± 723.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −47.27
Std Dev 109.2
2
1
0
−1
−2
−3
pull1D
Entries 83
Mean 0.01996
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

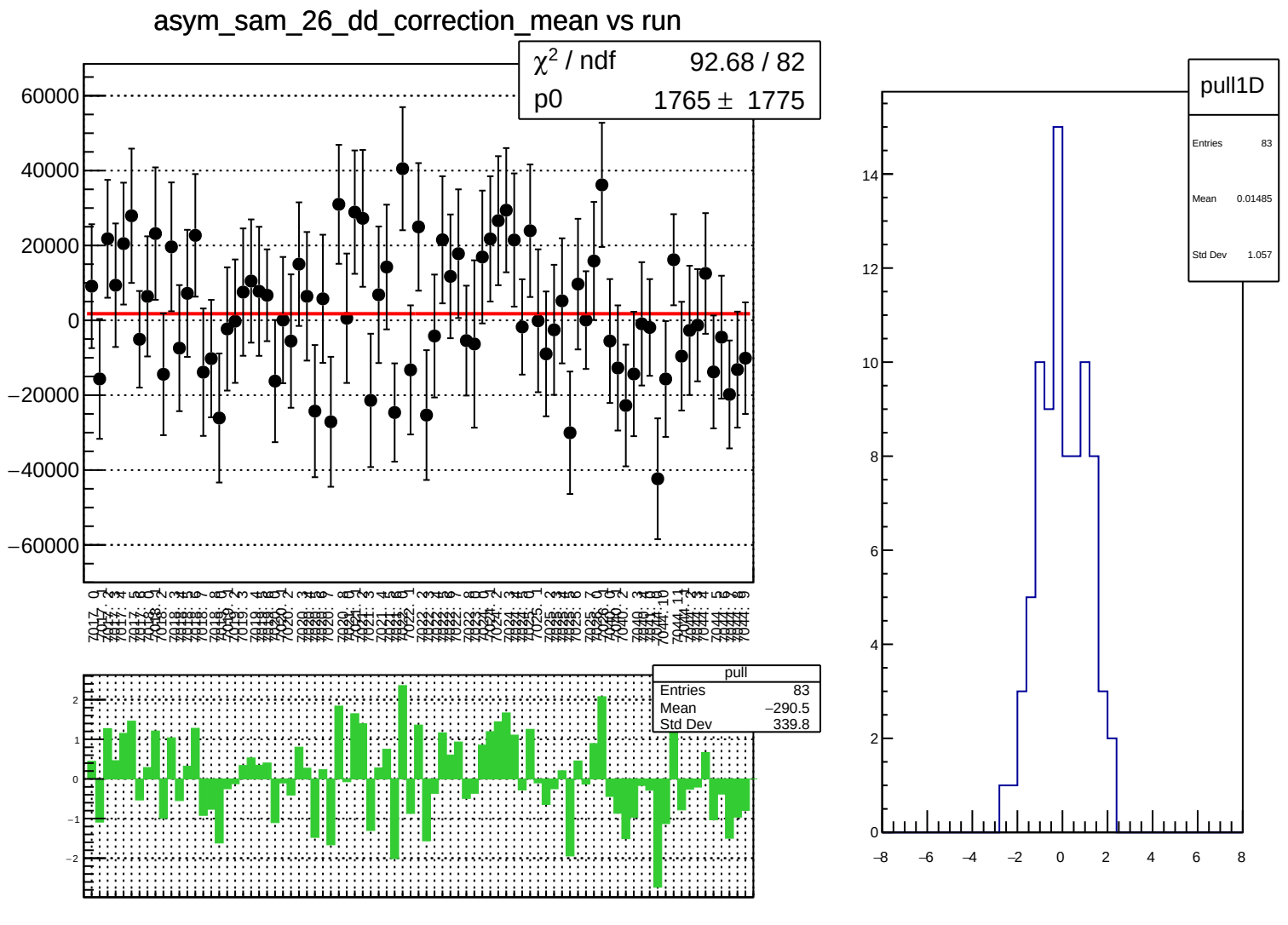

asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 6994 / 82
p0 645.2 ± 0.5114
740
720
700
680
660
640
620
600
580
560
540
520

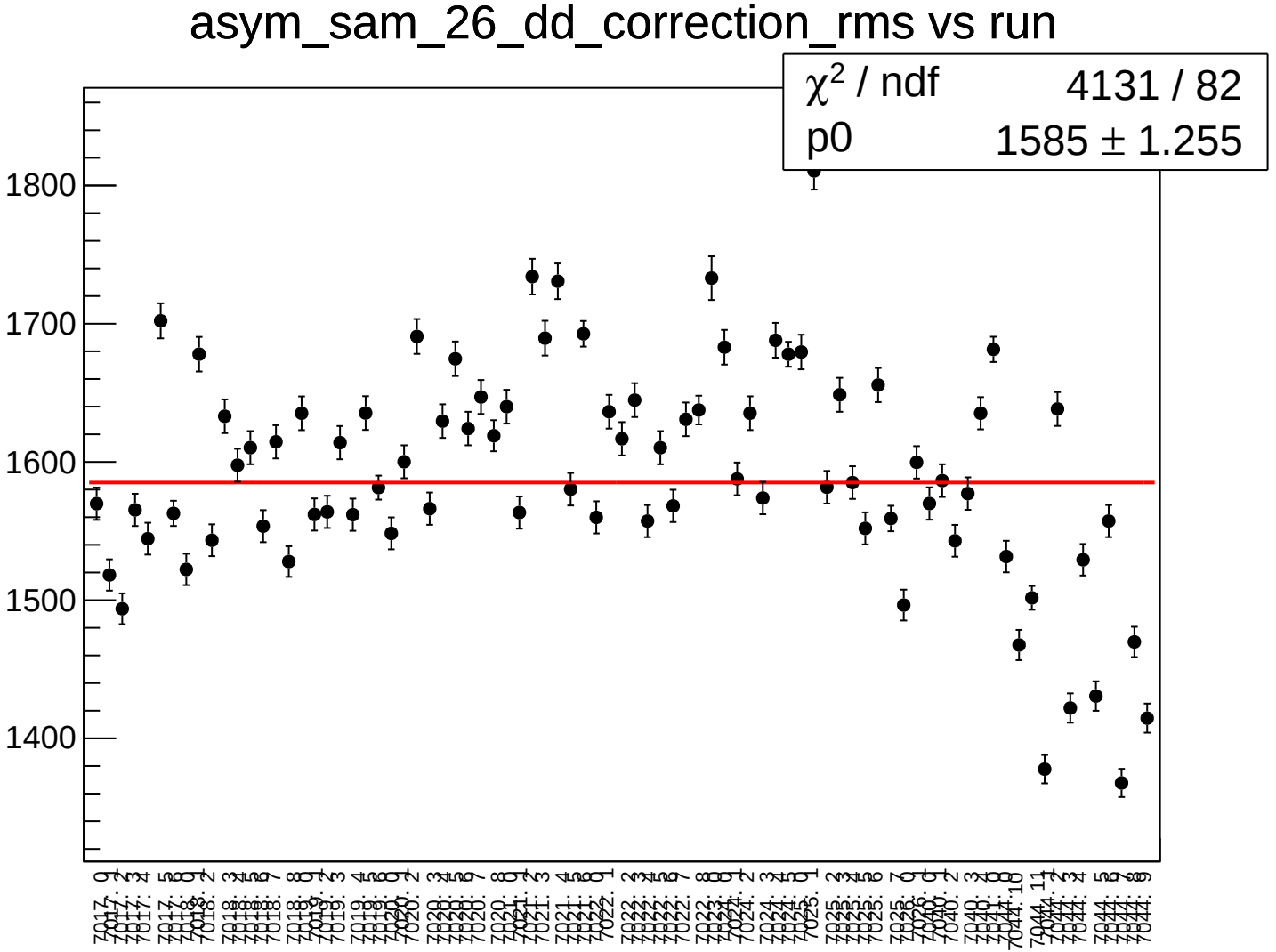

asym_sam_15_dd_mean vs run
χ² / ndf 89.99 / 82
p0 23.95 ± 713.2
pull
Entries 83
Mean −59.51
Std Dev 119.8
pull1D
Entries 83
Mean −0.02217
Std Dev 1.041

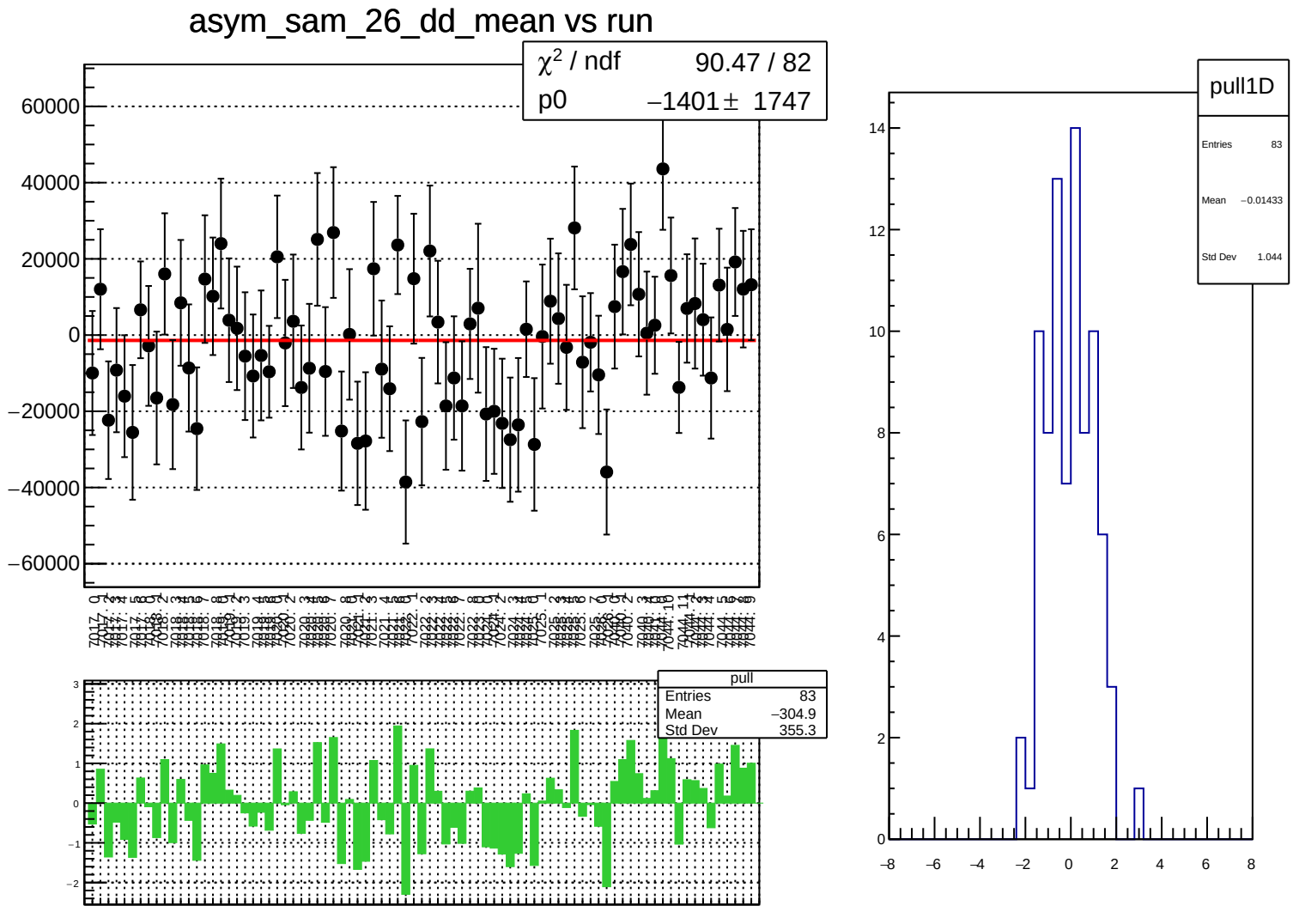

asym_sam_15_dd_rms vs run
χ² / ndf 7827 / 82
p0 636 ± 0.5043
700
650
600
550
500

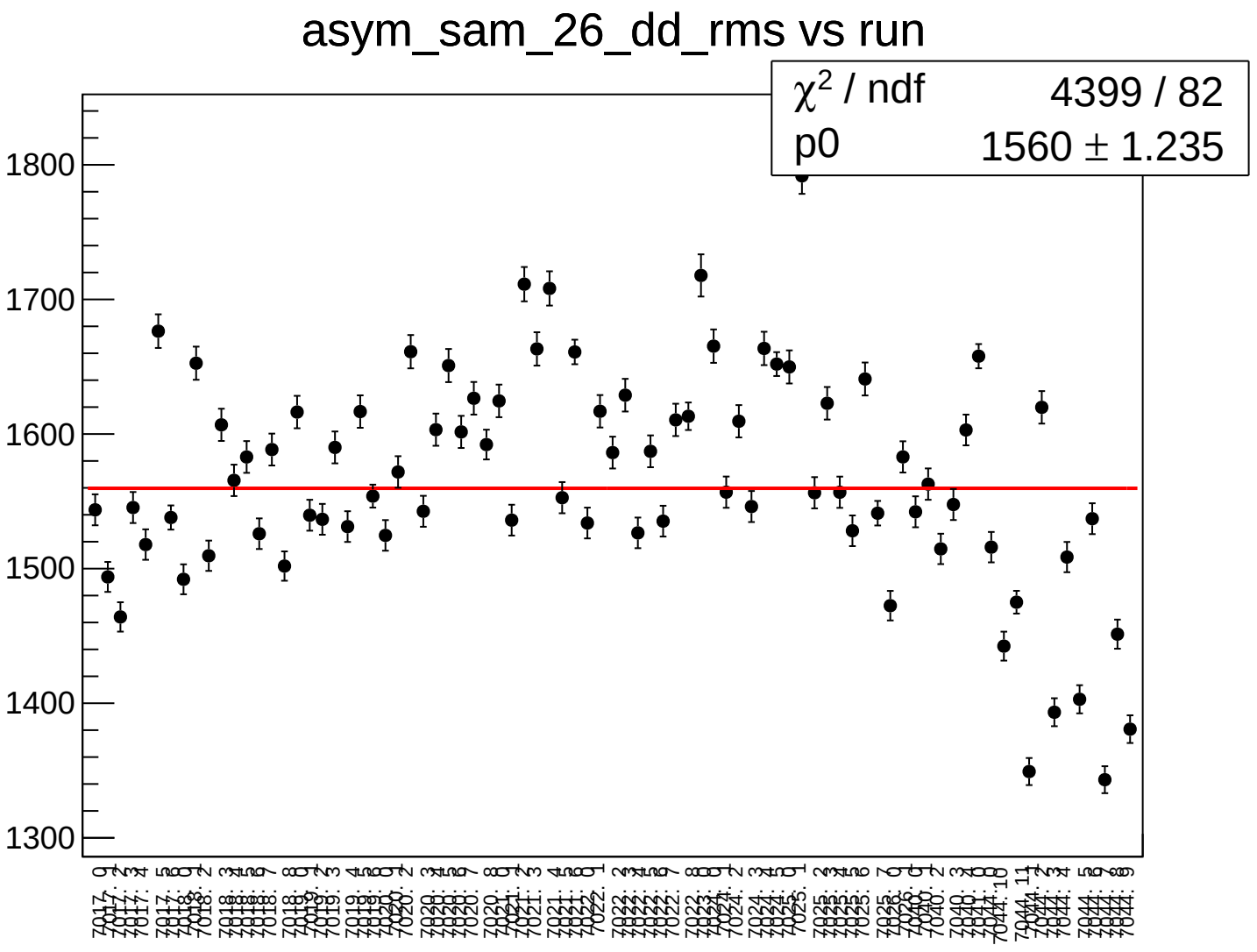

dit_asym_sam_26_dd_mean vs run
χ² / ndf 90.98 / 82
p0 346.5 ± 252.9
pull
Entries 83
Mean 5.063
Std Dev 86.65
pull1D
Entries 83
Mean 0.008979
Std Dev 1.047

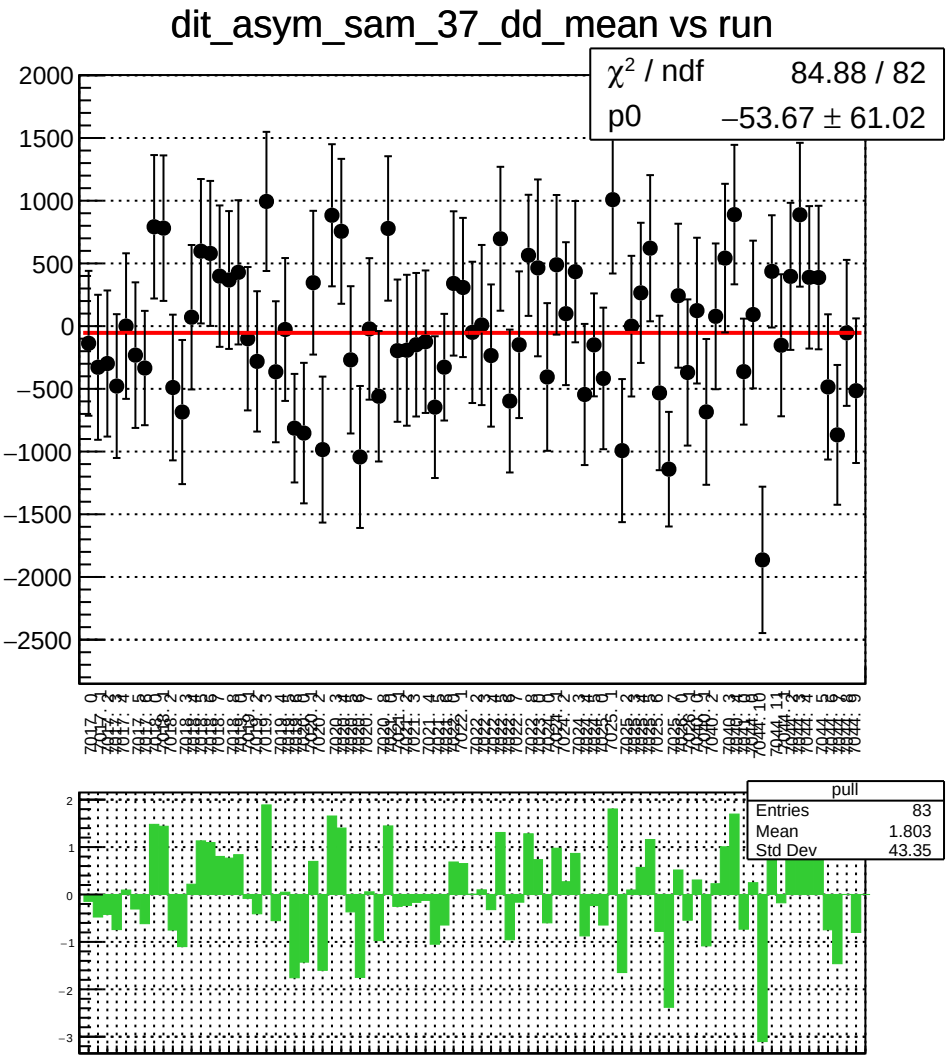

dit_asym_sam_26_dd_rms vs run
χ2 / ndf 1005 / 82
p0 226 ± 0.1788
240
235
230
225
220
215
210

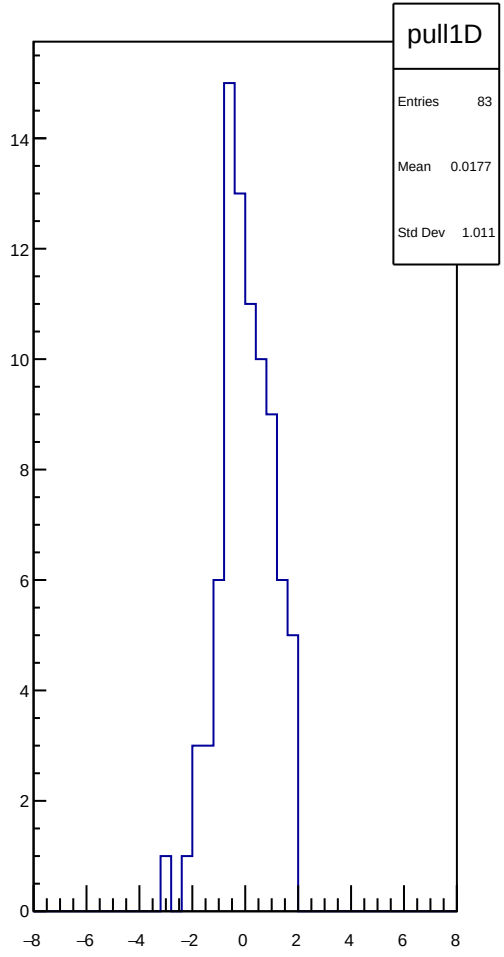

asym_sam_26_dd_correction_mean vs run
χ² / ndf 92.68 / 82
p0 1765 ± 1775
pull
Entries 83
Mean −290.5
Std Dev 339.8
pull1D
Entries 83
Mean 0.01485
Std Dev 1.057


asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 4131 / 82
p0 1585 ± 1.255
1800
1700
1600
1500
1400

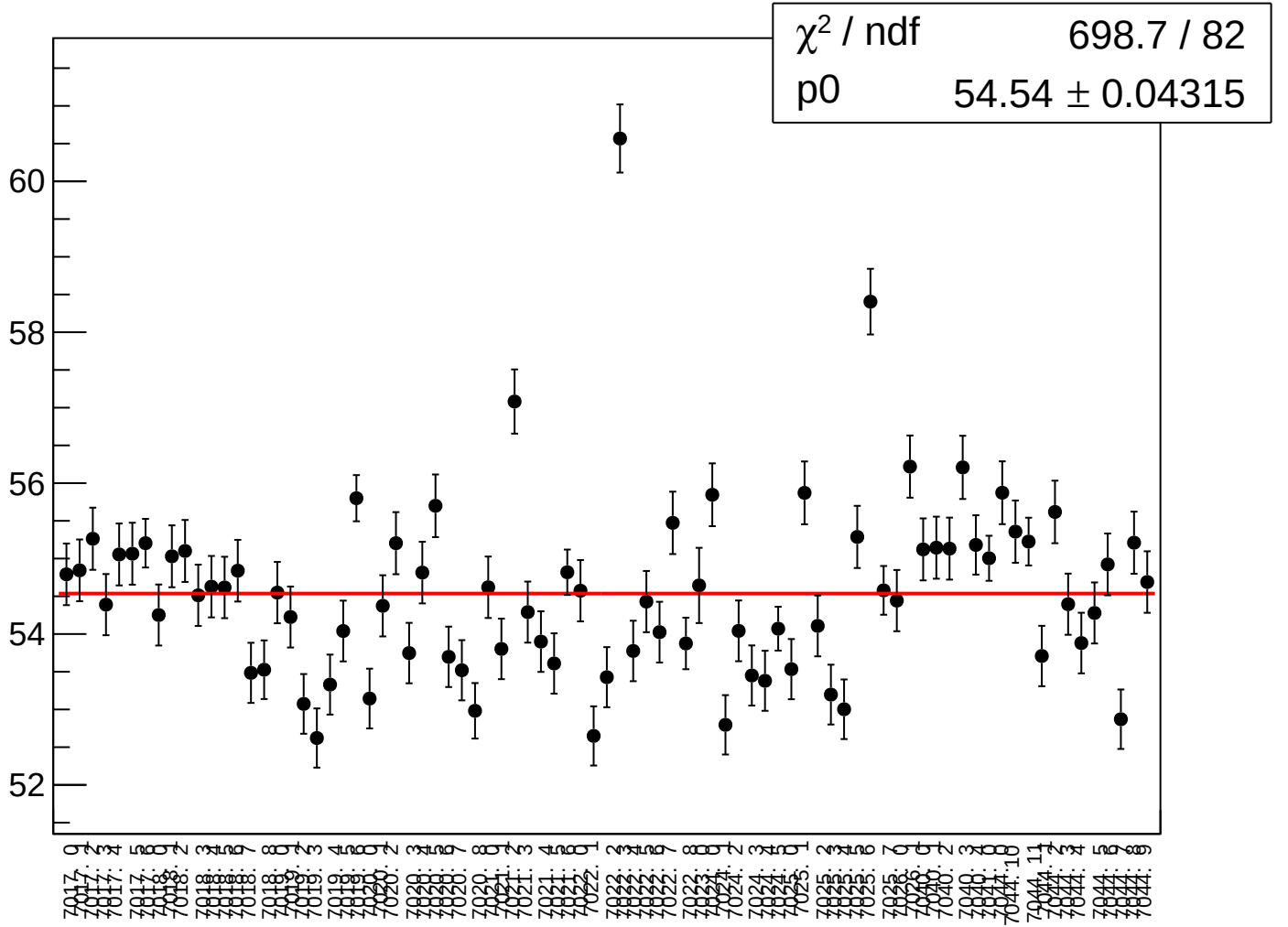

asym_sam_26_dd_mean vs run
χ² / ndf 90.47 / 82
p0 −1401 ± 1747
pull
Entries 83
Mean −304.9
Std Dev 355.3
pull1D
Entries 83
Mean −0.01433
Std Dev 1.044

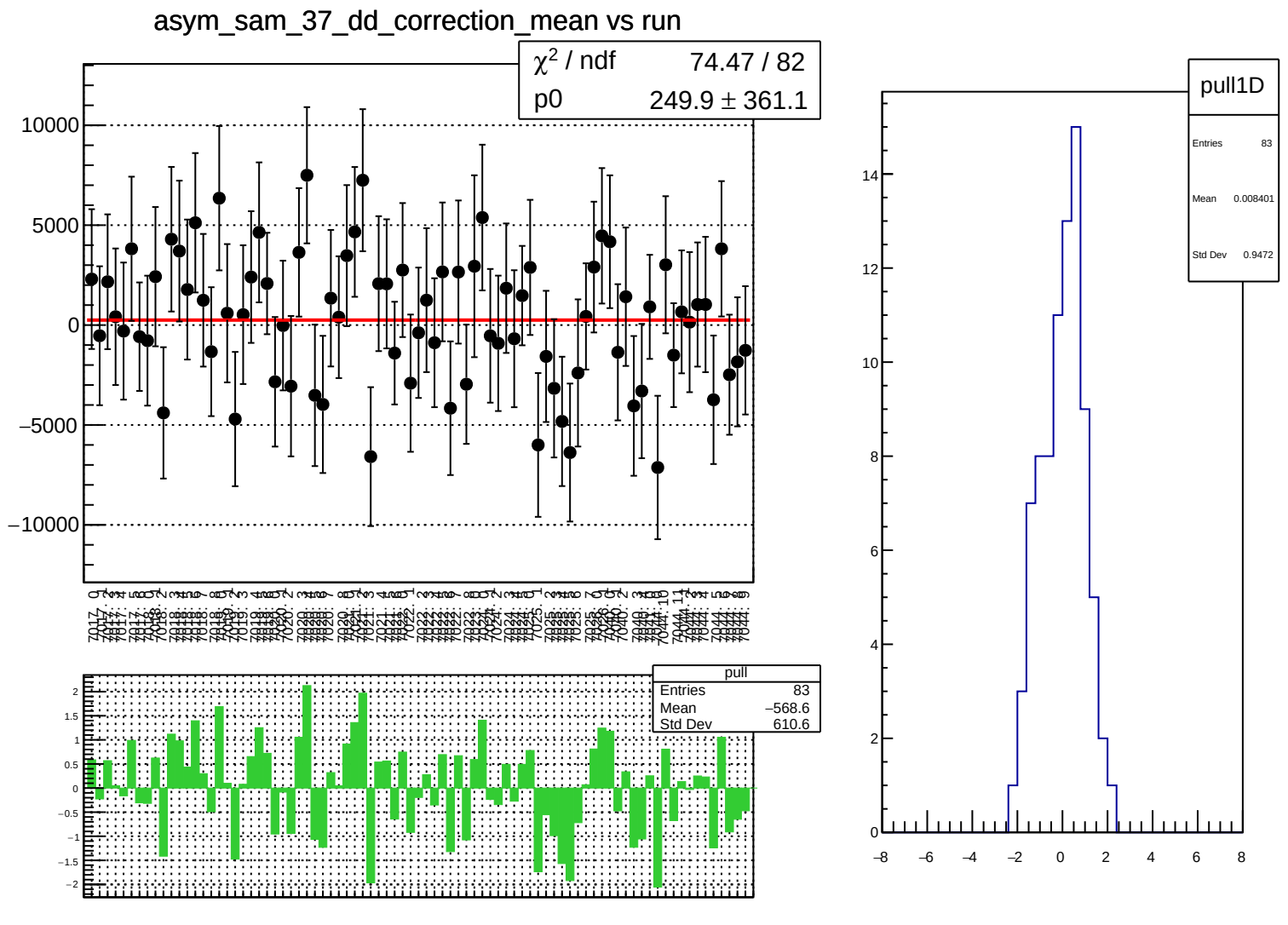

asym_sam_26_dd_rms vs run
χ2 / ndf 4399 / 82
p0 1560 ± 1.235
1800
1700
1600
1500
1400
1300

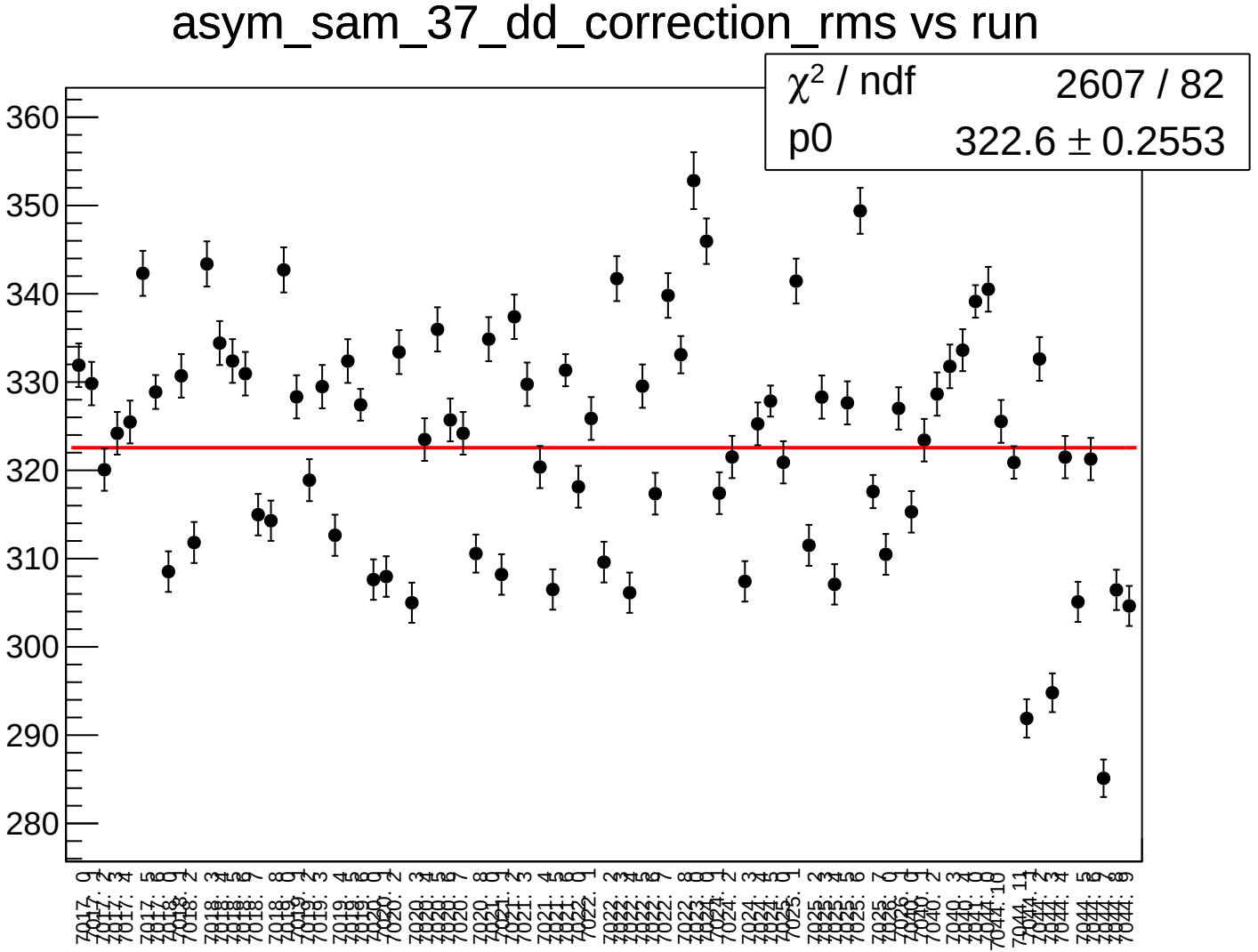

dit_asym_sam_37_dd_mean vs run
χ² / ndf 84.88 / 82
p0 −53.67 ± 61.02
pull
Entries 83
Mean 1.803
Std Dev 43.35

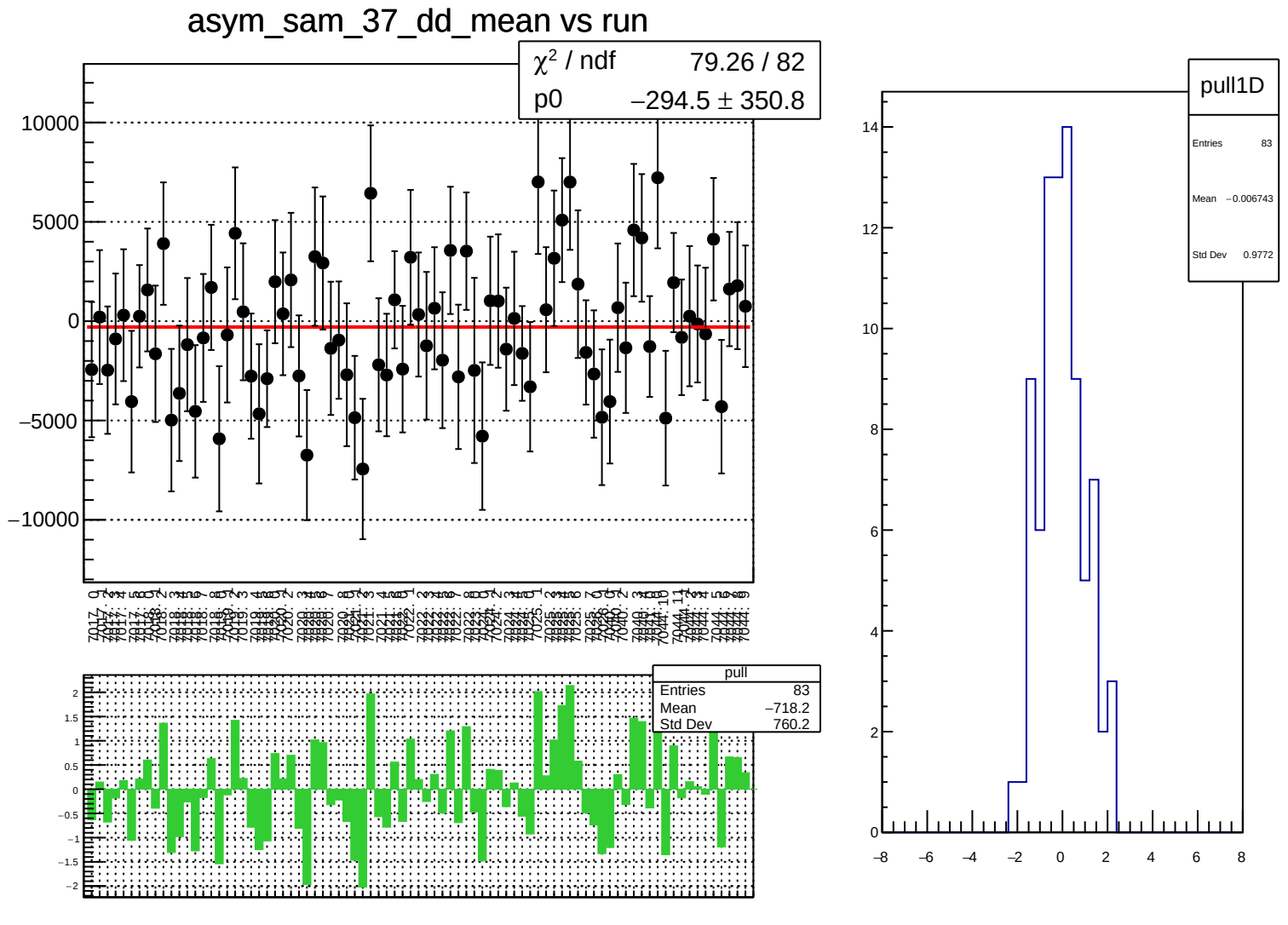

pull1D
Entries 83
Mean 0.0177
Std Dev 1.011

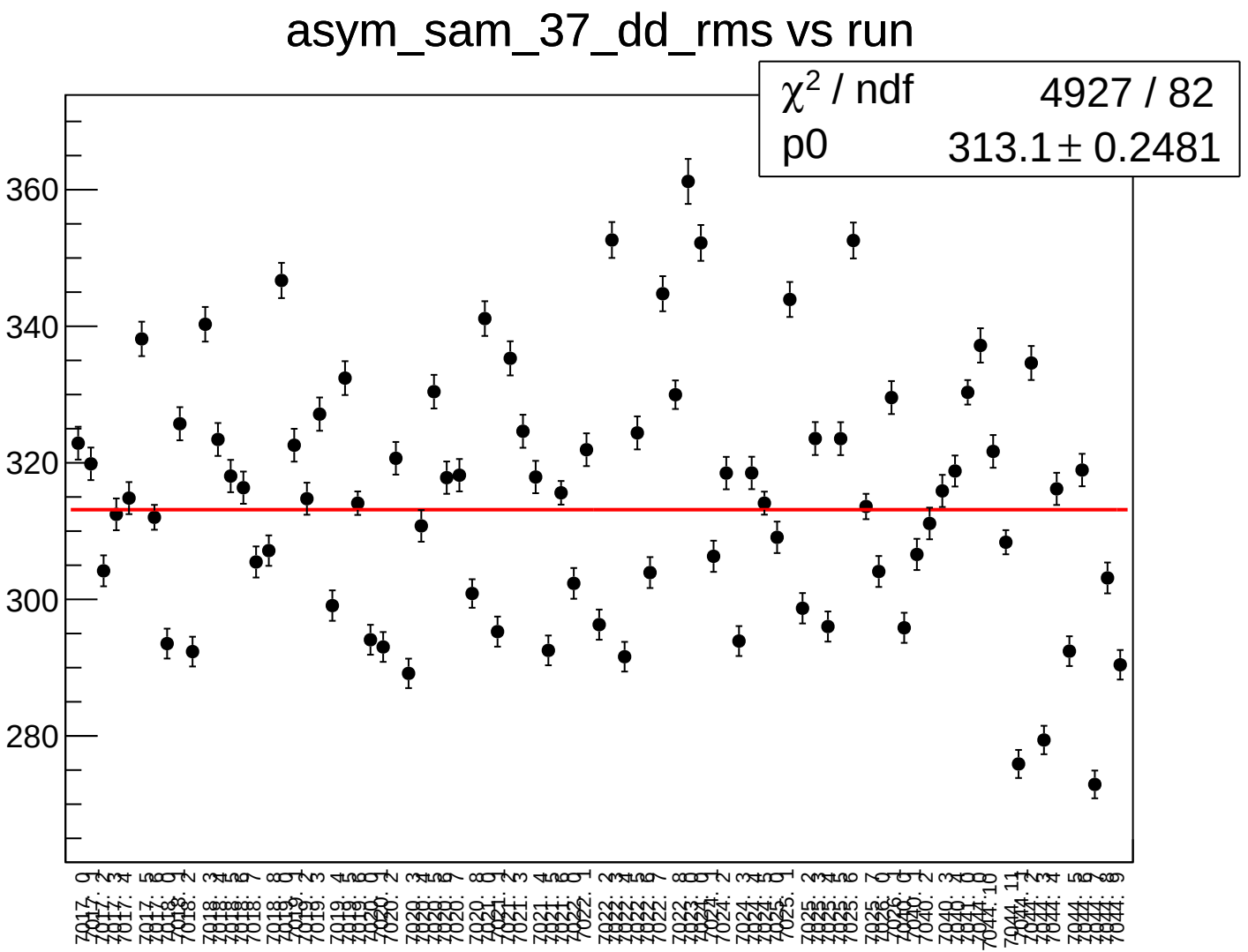
dit_asym_sam_37_dd_rms vs run

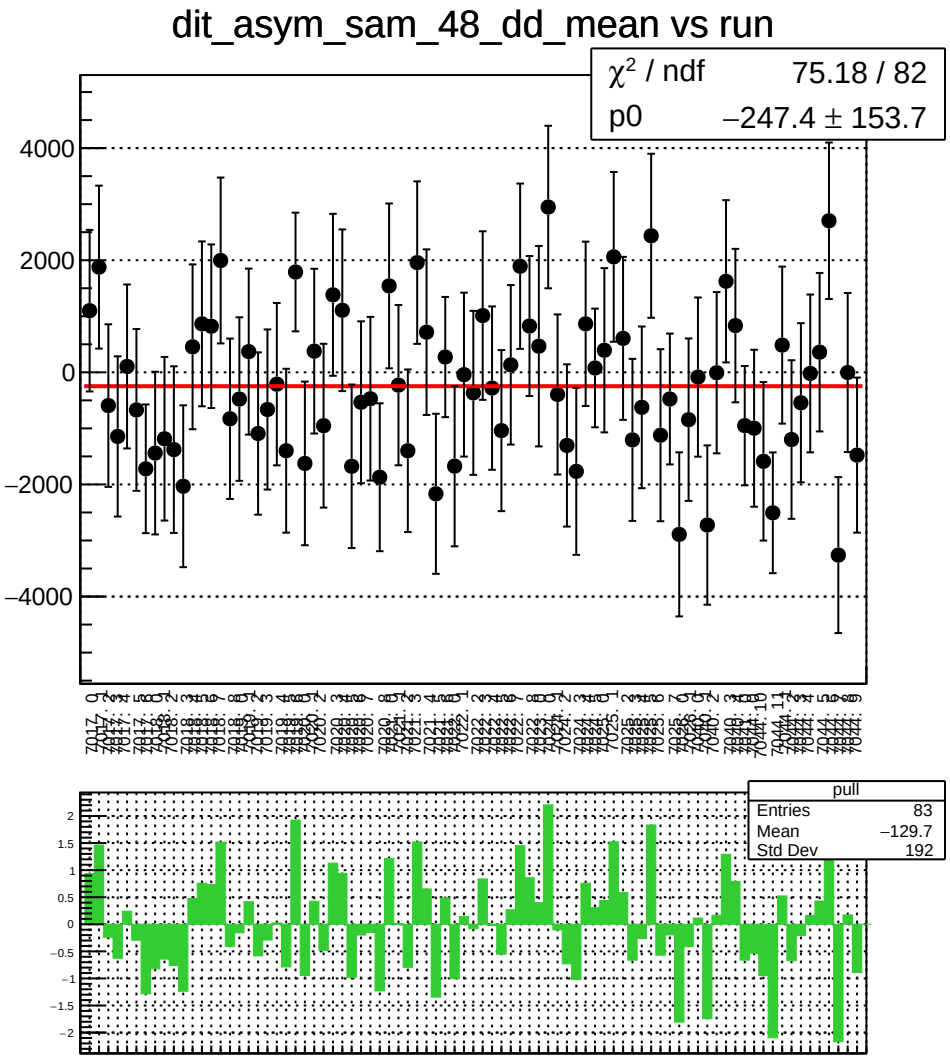


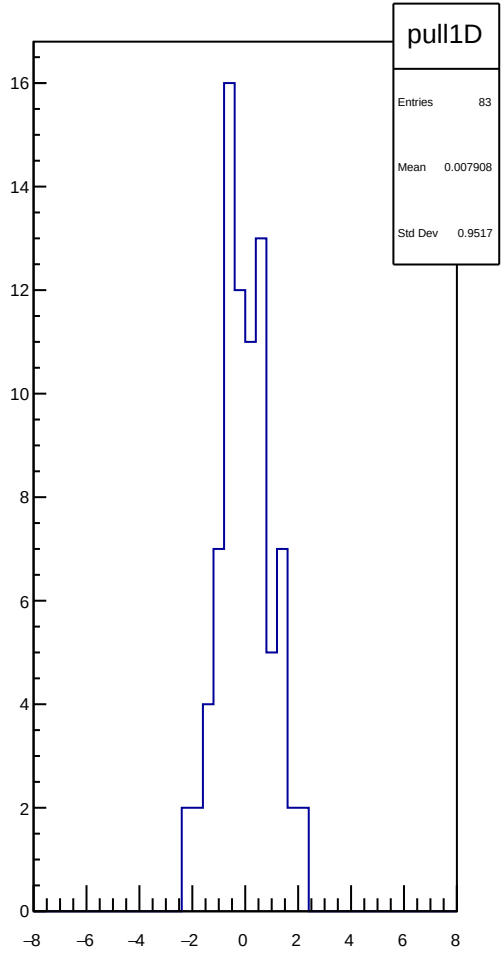

asym_sam_37_dd_correction_mean vs run
χ² / ndf 74.47 / 82
p0 249.9 ± 361.1
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −568.6
Std Dev 610.6
pull1D
Entries 83
Mean 0.008401
Std Dev 0.9472

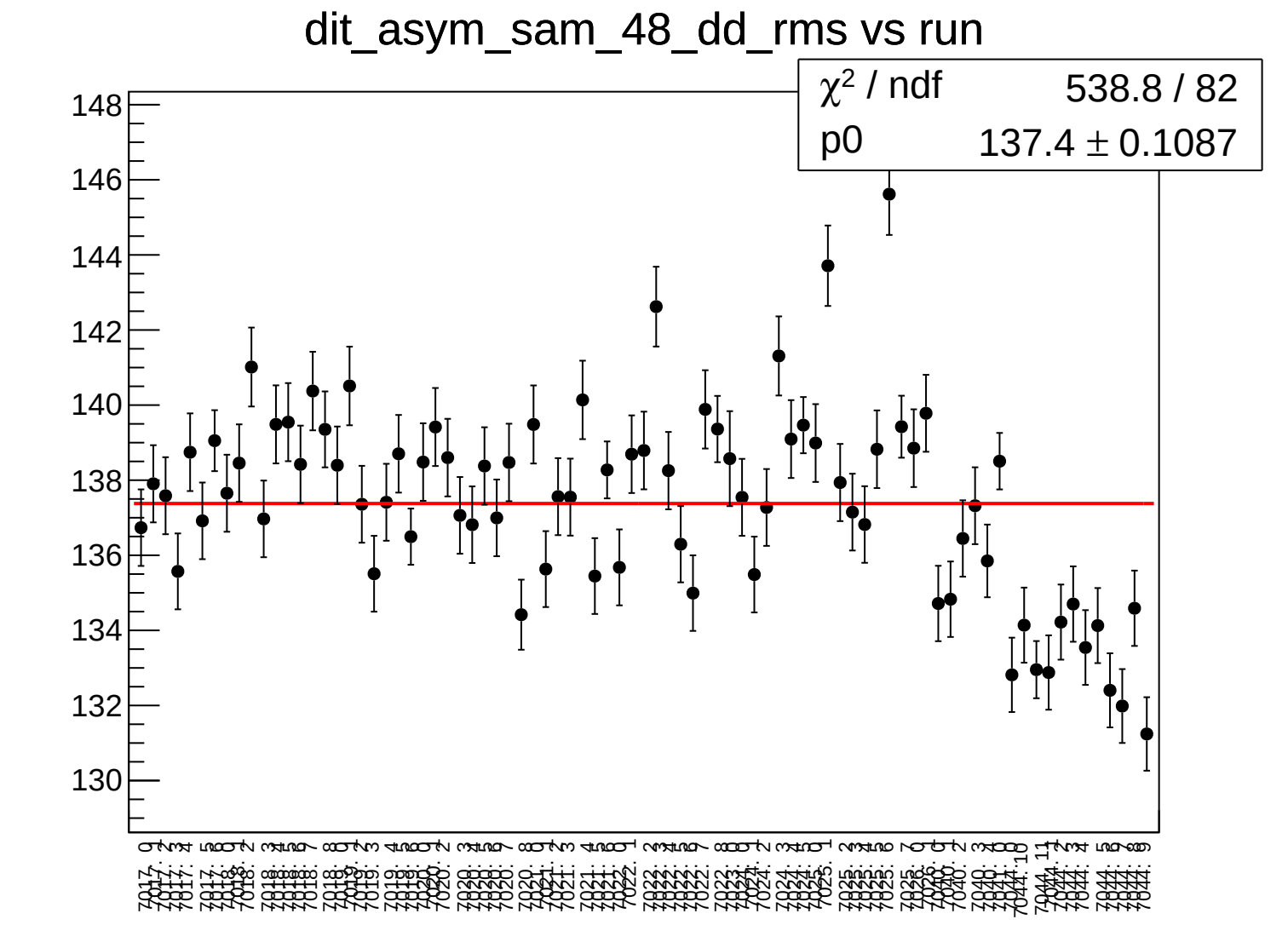

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 2607 / 82
p0 322.6 ± 0.2553
360
350
340
330
320
310
300
290
280

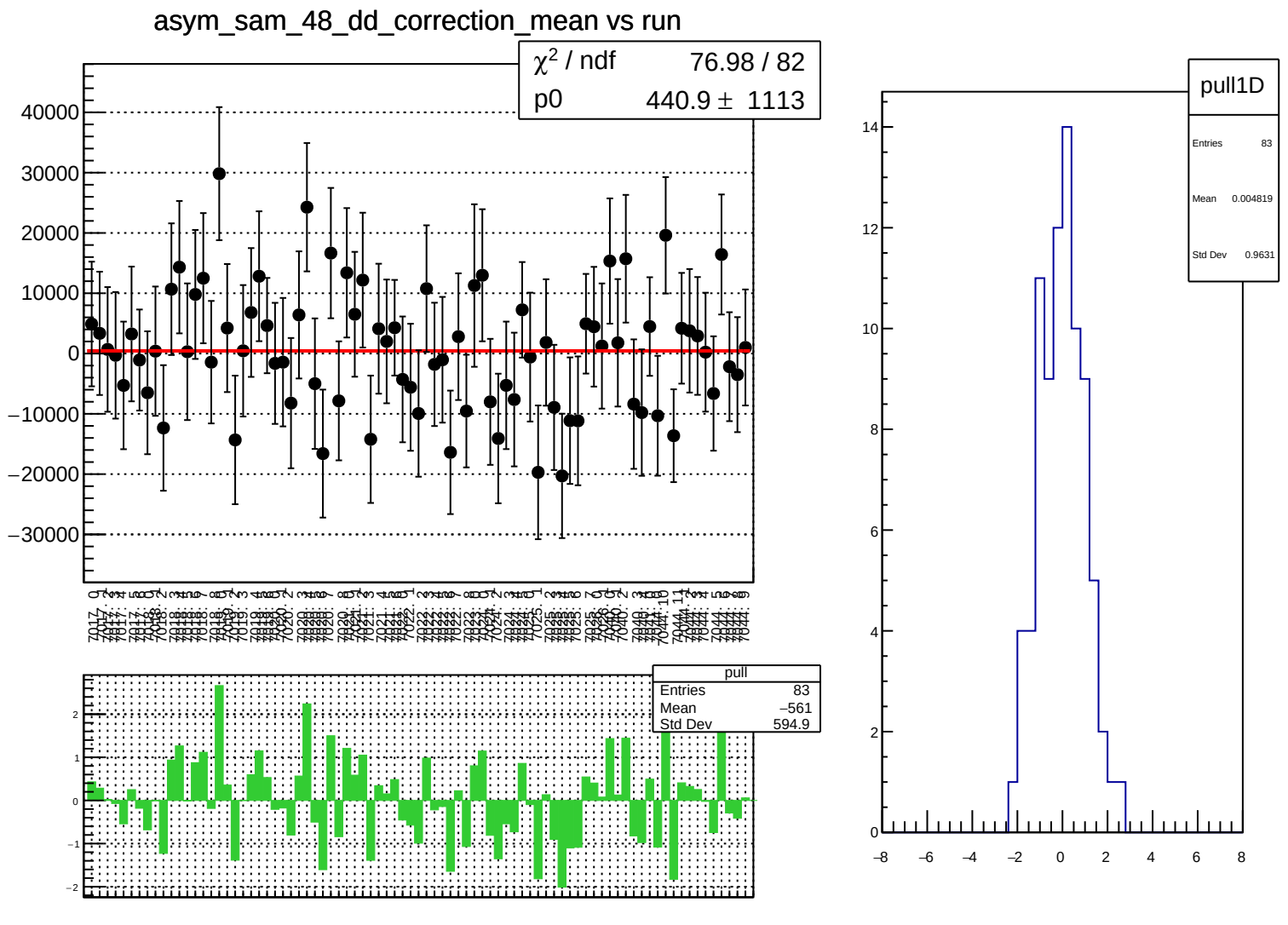

asym_sam_37_dd_mean vs run
χ^2 / ndf 79.26 / 82
p0 −294.5 ± 350.8
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −718.2
Std Dev 760.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.006743
Std Dev 0.9772
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

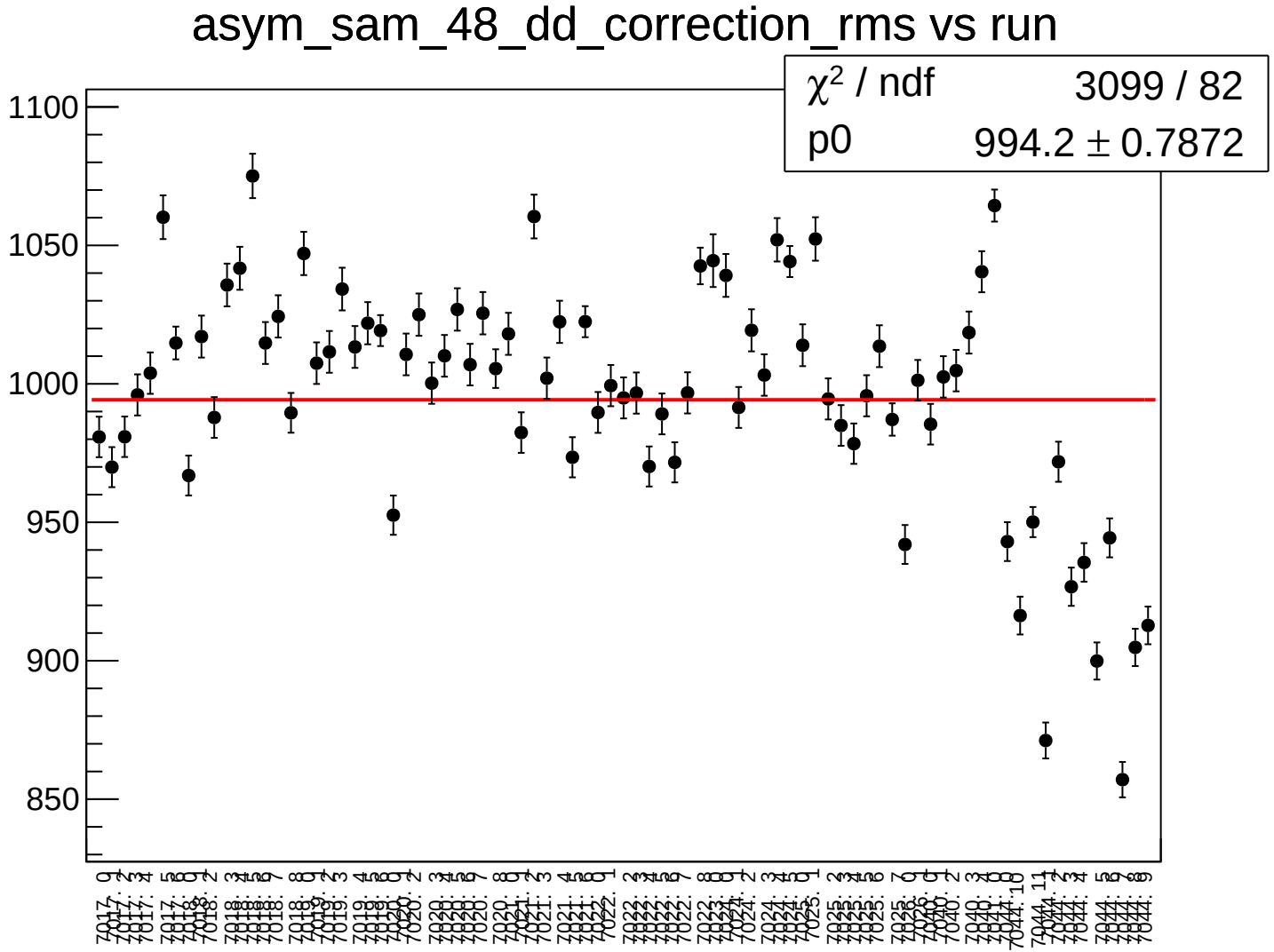

asym_sam_37_dd_rms vs run
χ^2 / ndf 4927 / 82
p0 313.1 ± 0.2481
360
340
320
300
280

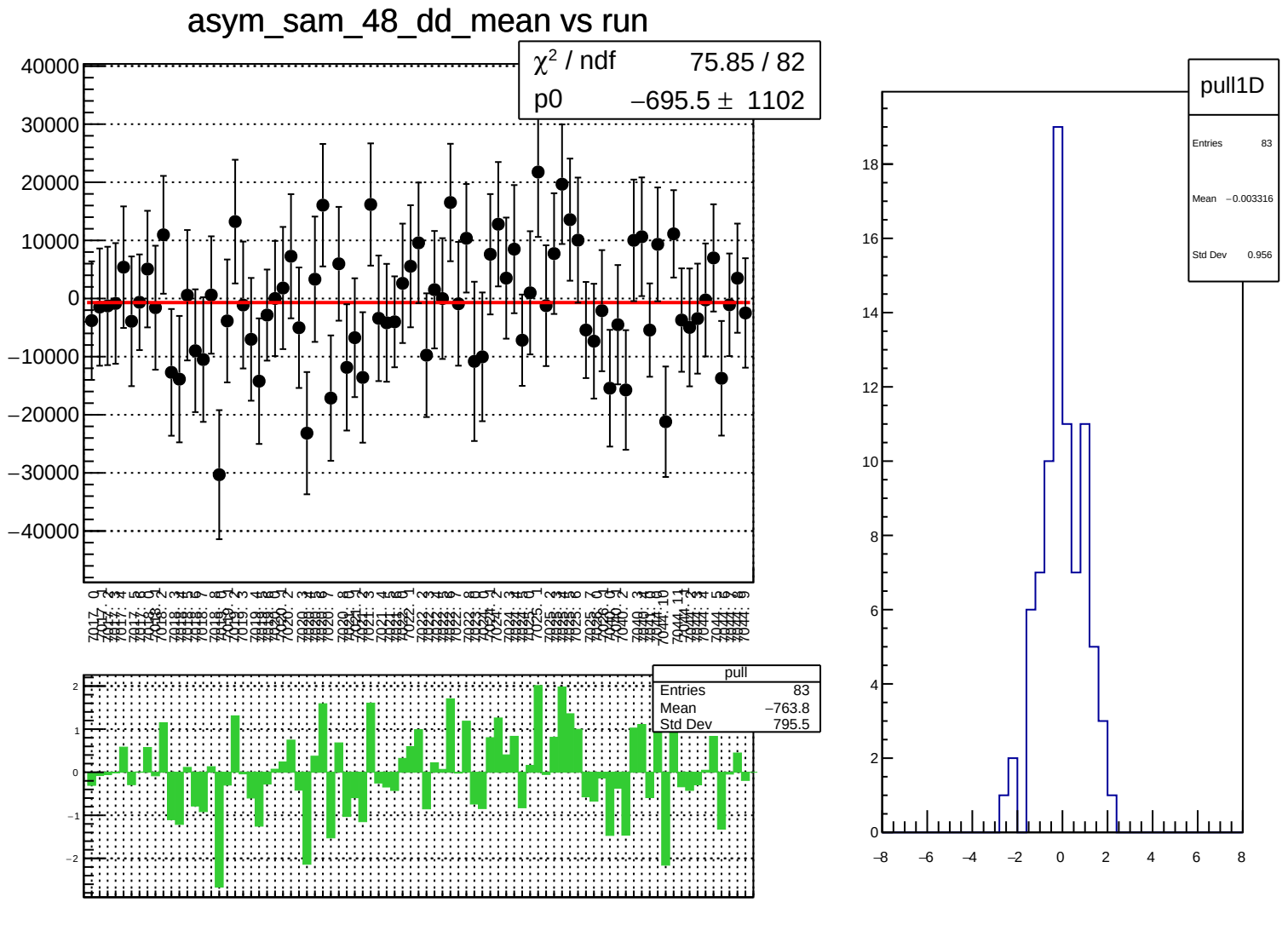

dit_asym_sam_48_dd_mean vs run
χ² / ndf 75.18 / 82
p0 −247.4 ± 153.7
4000
2000
0
−2000
−4000
pull
Entries 83
Mean −129.7
Std Dev 192
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

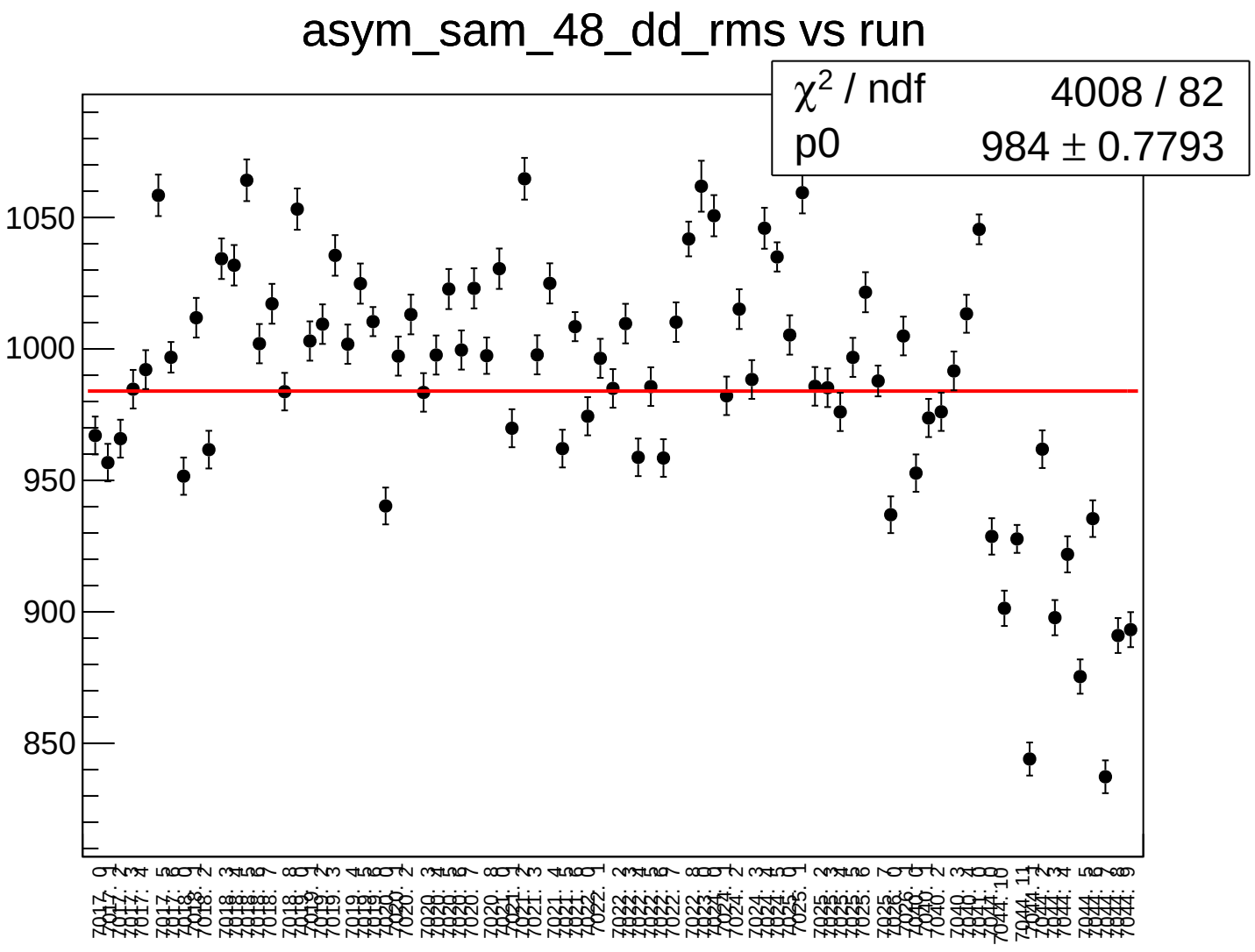

pull1D
Entries 83
Mean 0.007908
Std Dev 0.9517
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

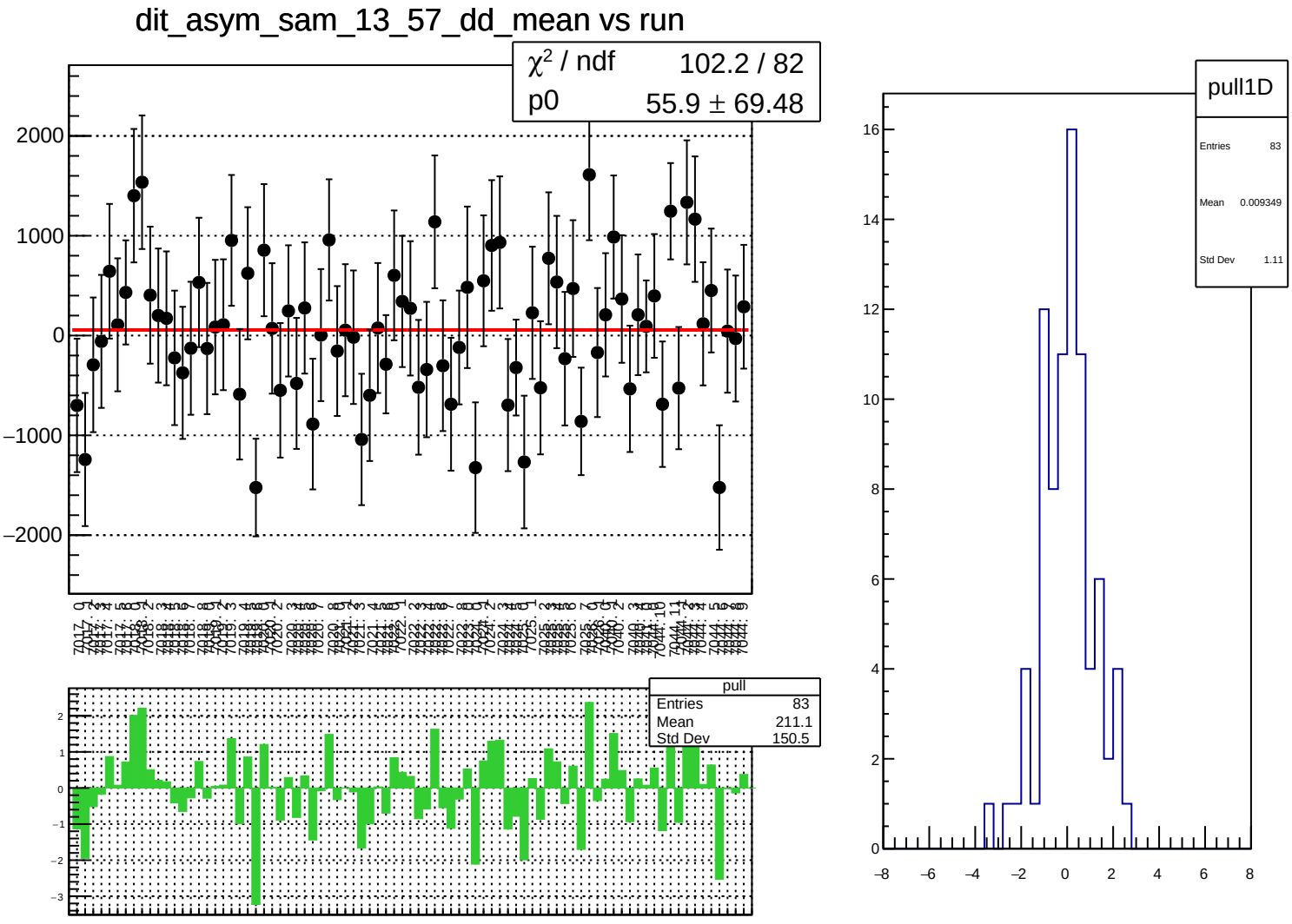

dit_asym_sam_48_dd_rms vs run
χ² / ndf 538.8 / 82
p0 137.4 ± 0.1087
148
146
144
142
140
138
136
134
132
130


asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.98 / 82
p0 440.9 ± 1113
pull
Entries 83
Mean −561
Std Dev 594.9
pull1D
Entries 83
Mean 0.004819
Std Dev 0.9631

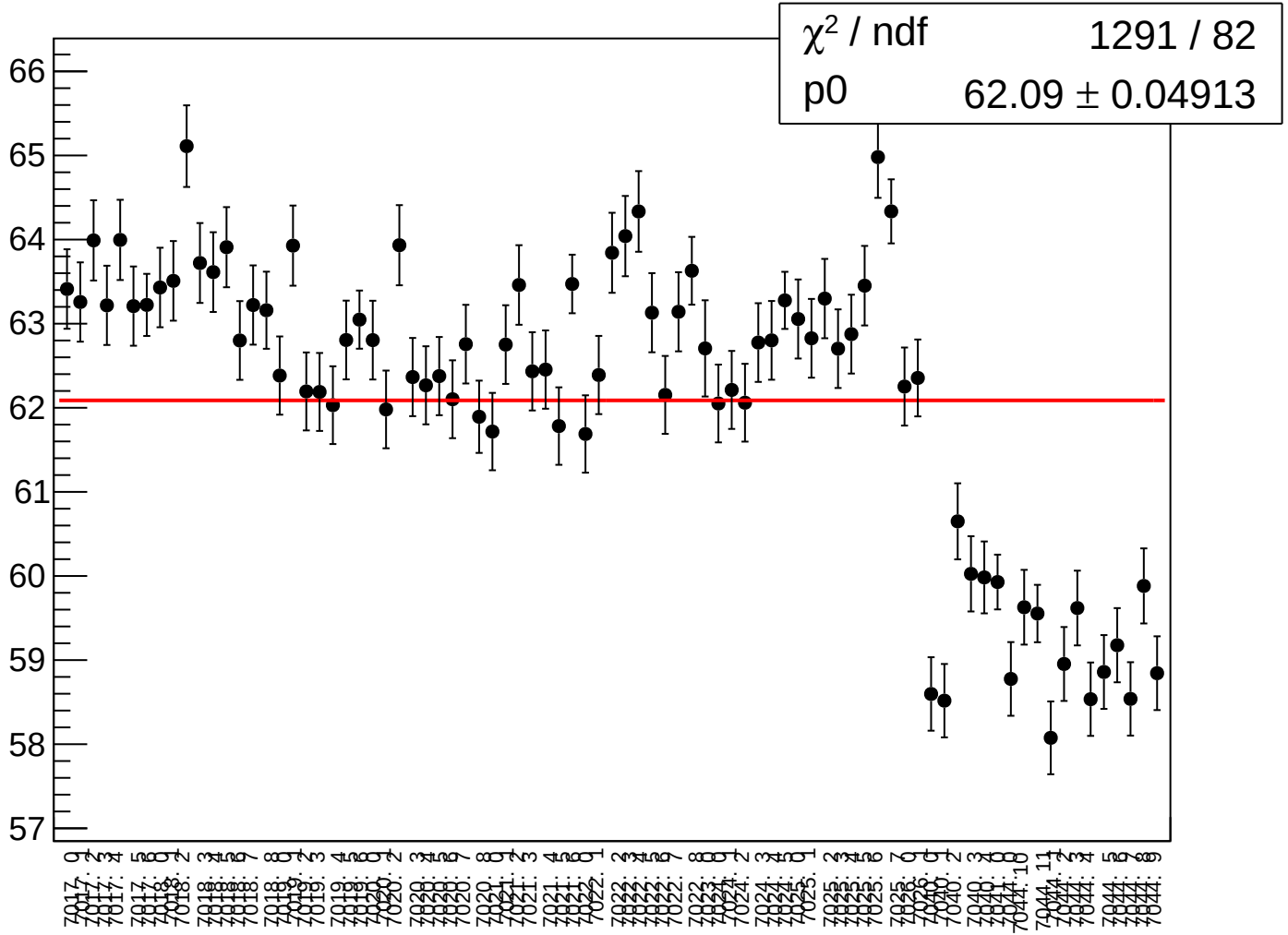

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3099 / 82
p0 994.2 ± 0.7872
1100
1050
1000
950
900
850

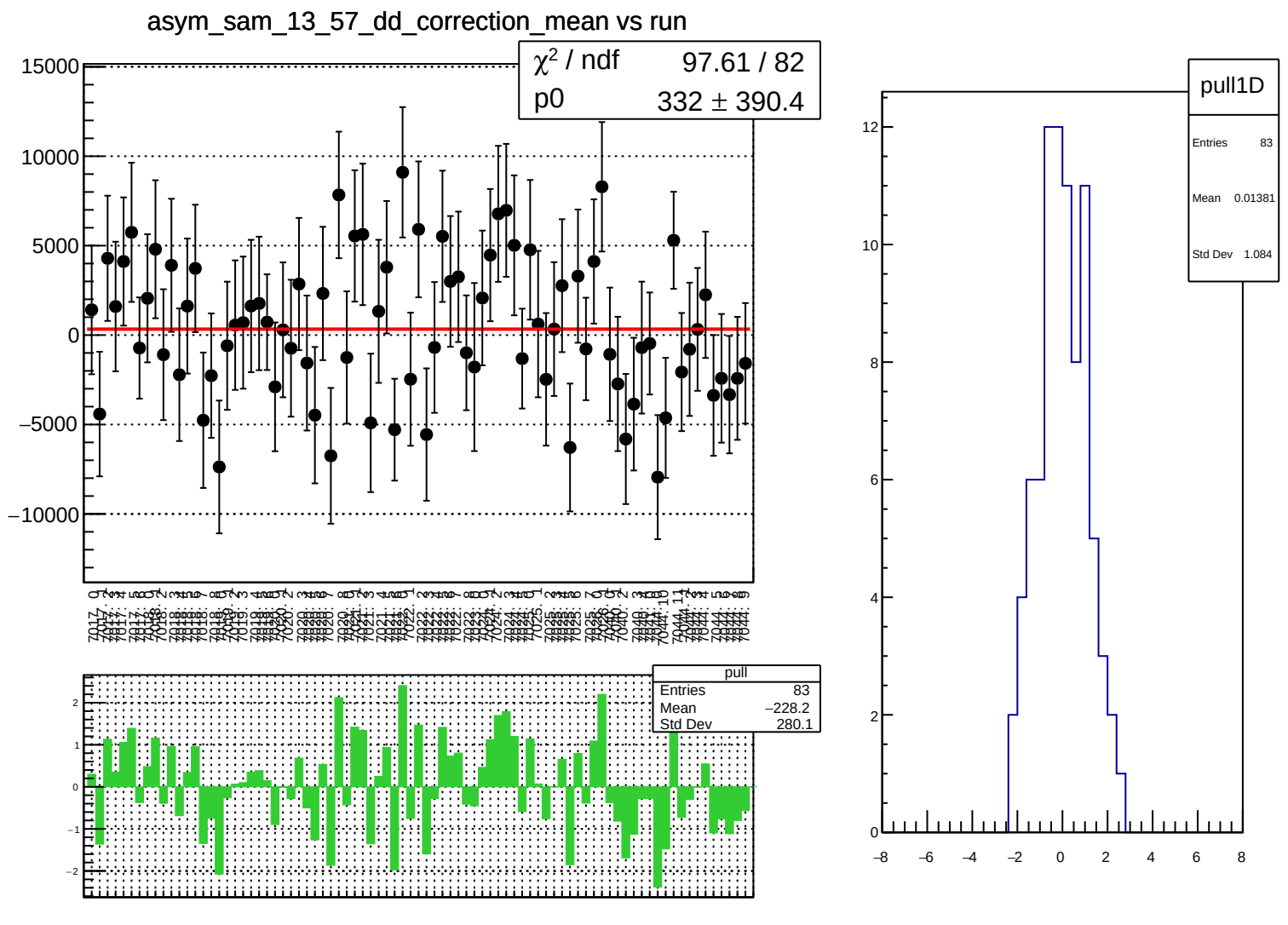

asym_sam_48_dd_mean vs run
χ² / ndf 75.85 / 82
p0 −695.5 ± 1102
pull
Entries 83
Mean −763.8
Std Dev 795.5
pull1D
Entries 83
Mean −0.003316
Std Dev 0.956

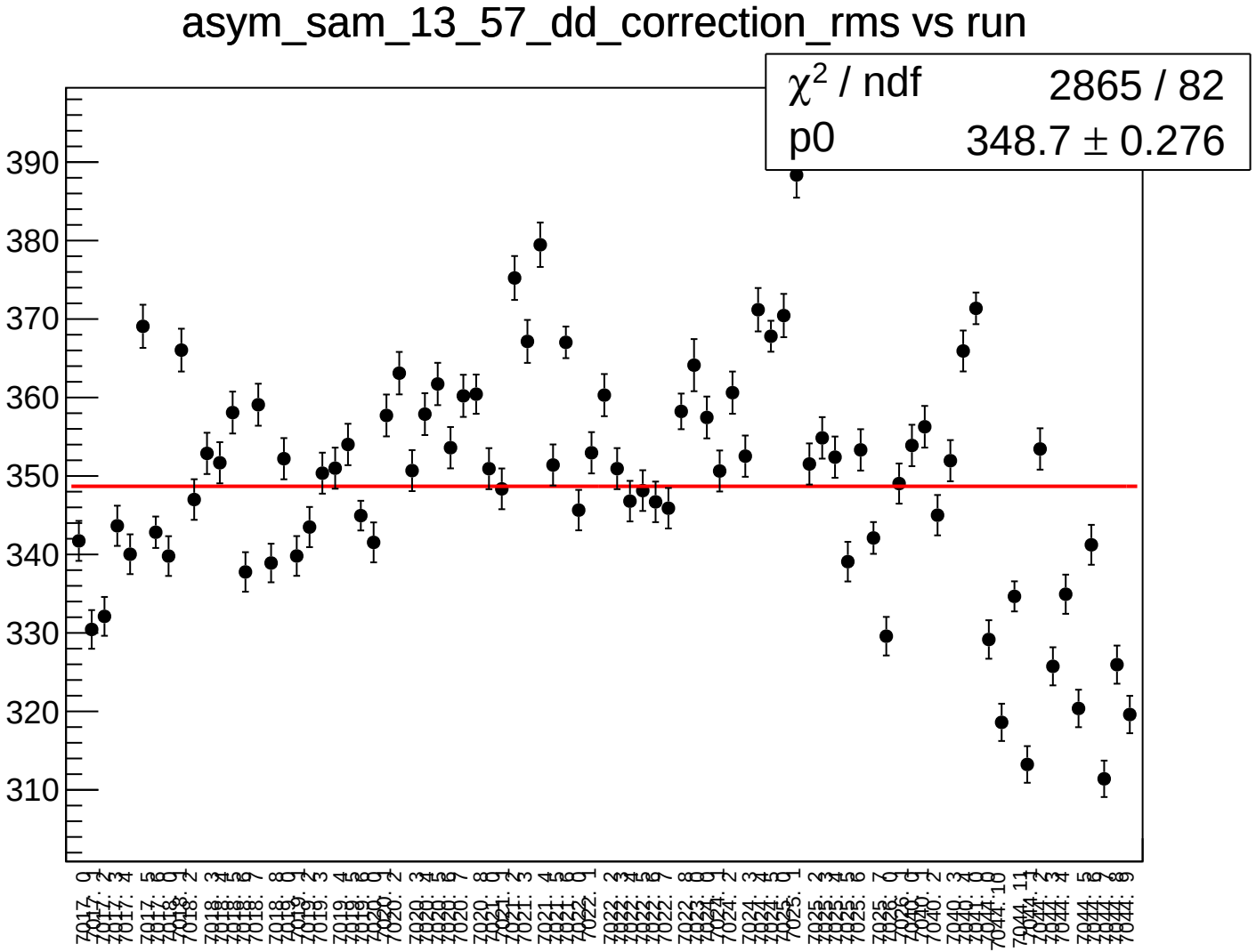

asym_sam_48_dd_rms vs run
χ² / ndf 4008 / 82
p0 984 ± 0.7793
1050
1000
950
900
850

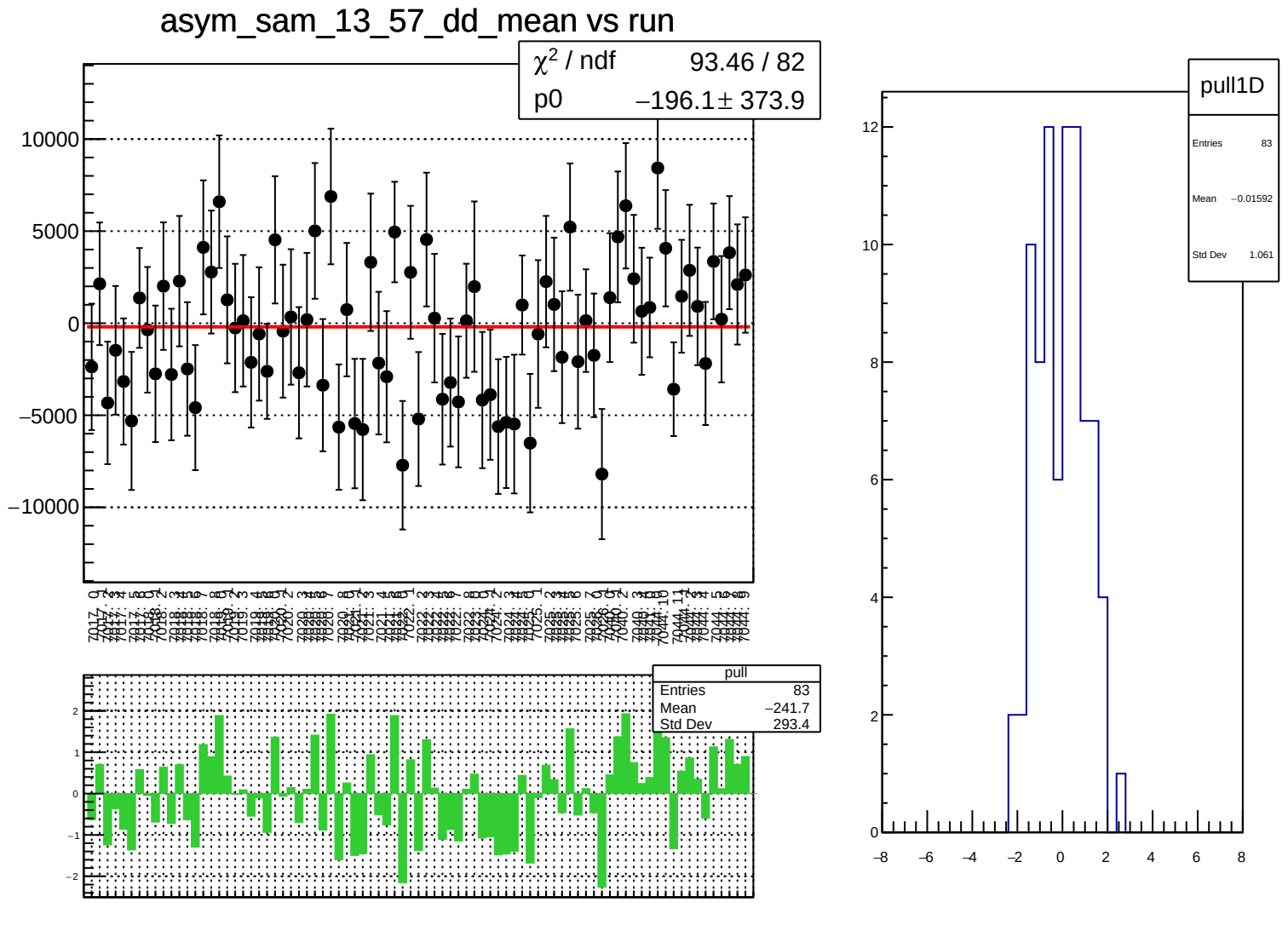

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 102.2 / 82
p0 55.9 ± 69.48
pull
Entries 83
Mean 211.1
Std Dev 150.5
pull1D
Entries 83
Mean 0.009349
Std Dev 1.11

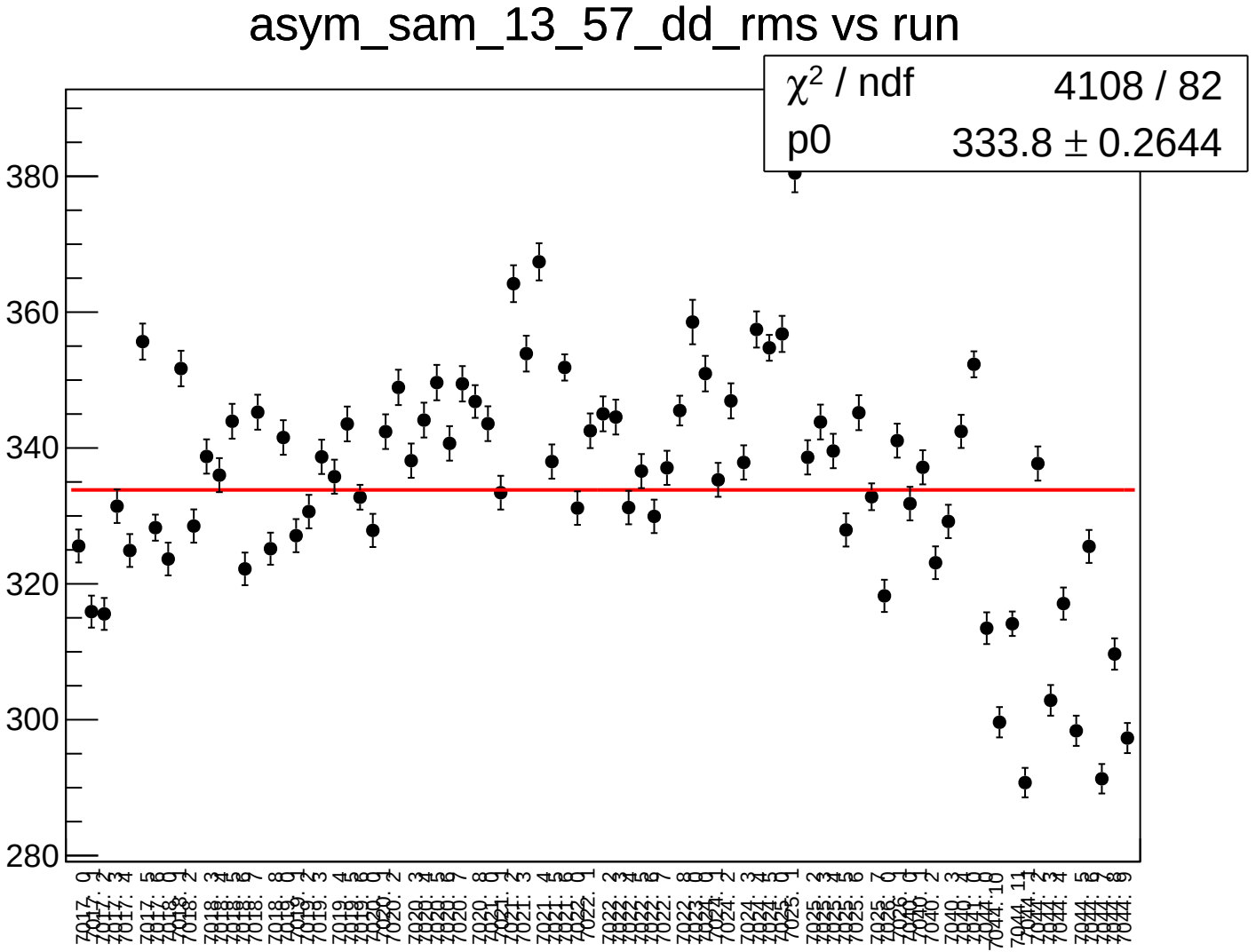
dit_asym_sam_13_57_dd_rms vs run

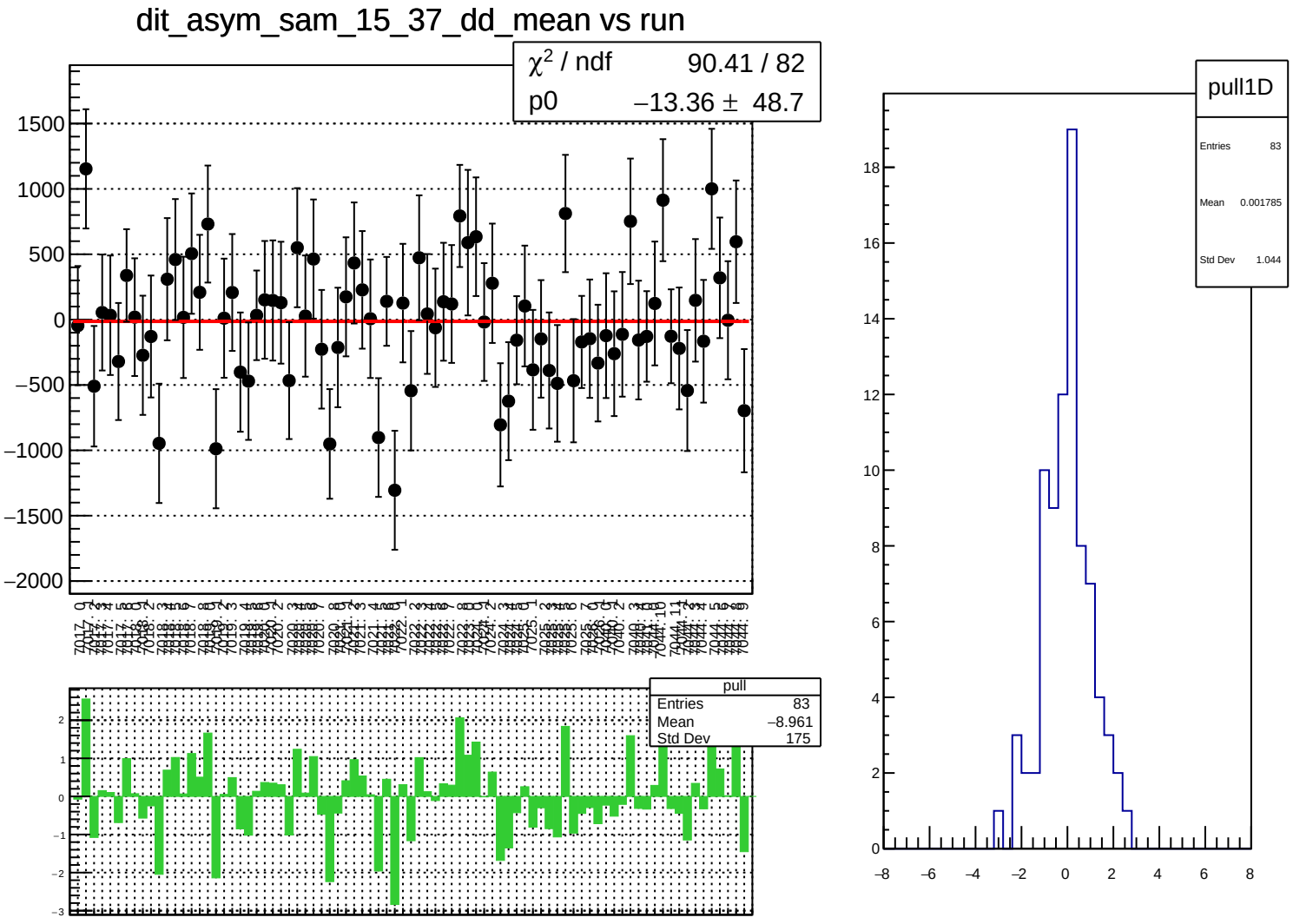


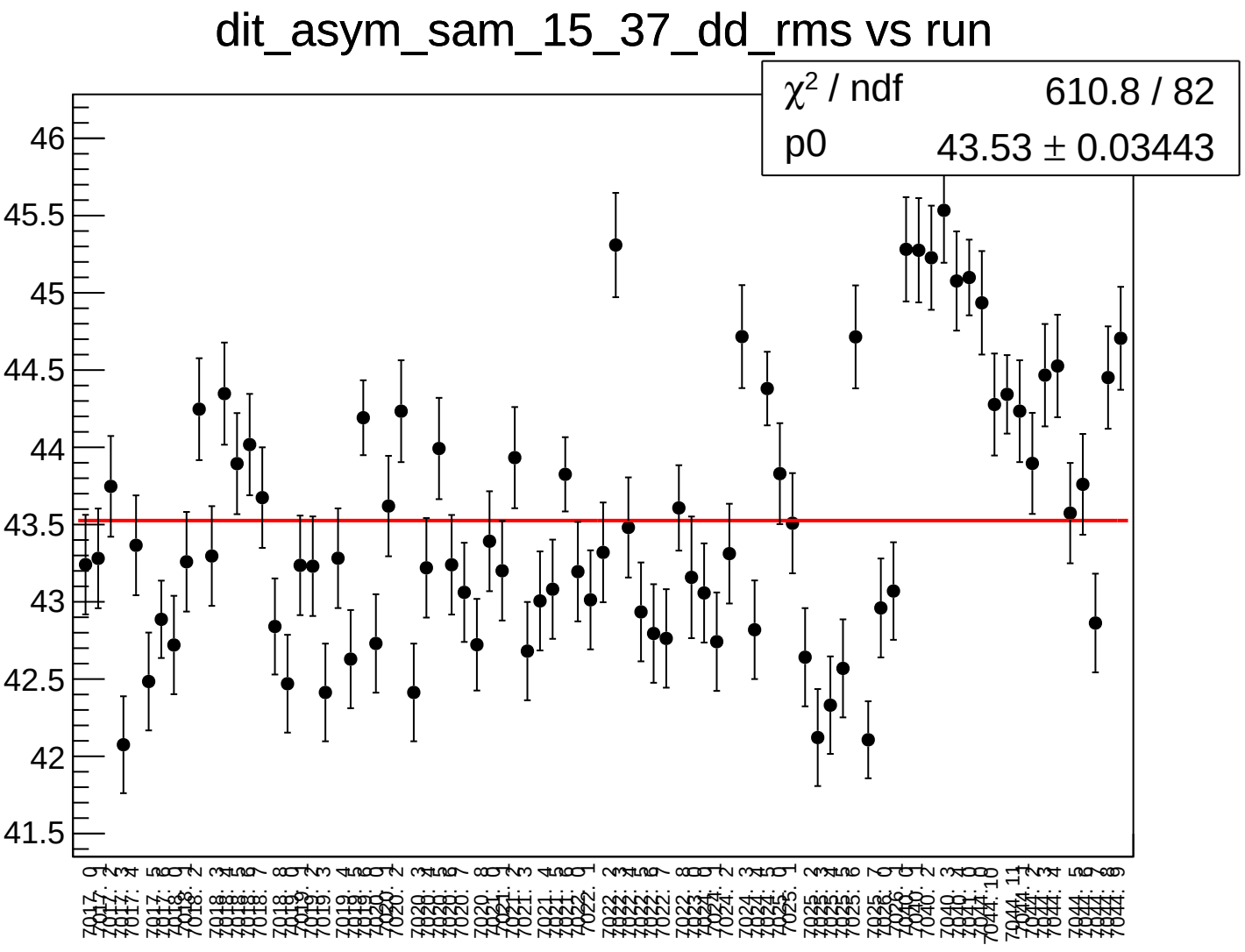

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 97.61 / 82
p0 332 ± 390.4
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −228.2
Std Dev 280.1
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.01381
Std Dev 1.084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

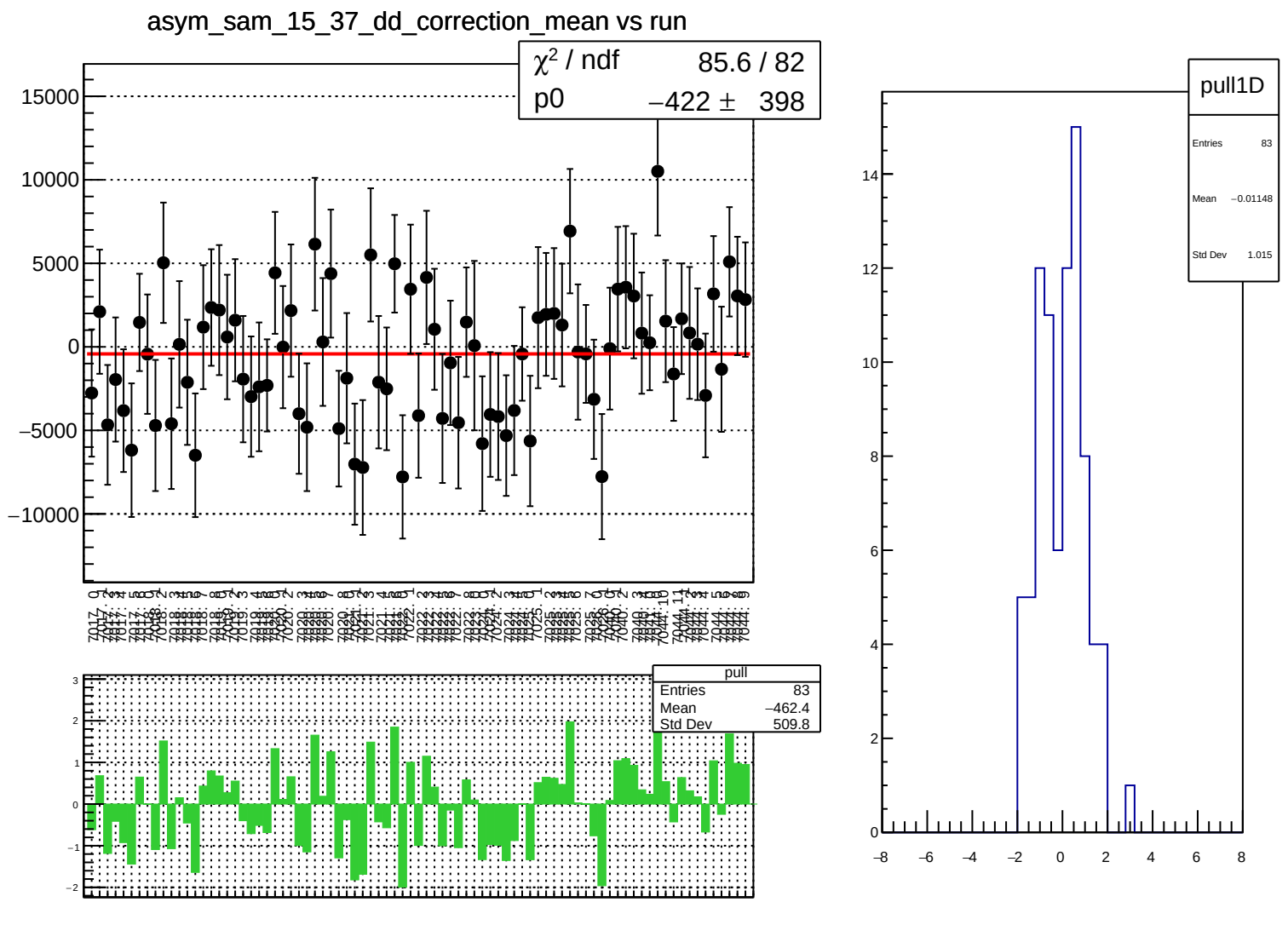

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 2865 / 82
p0 348.7 ± 0.276
390
380
370
360
350
340
330
320
310

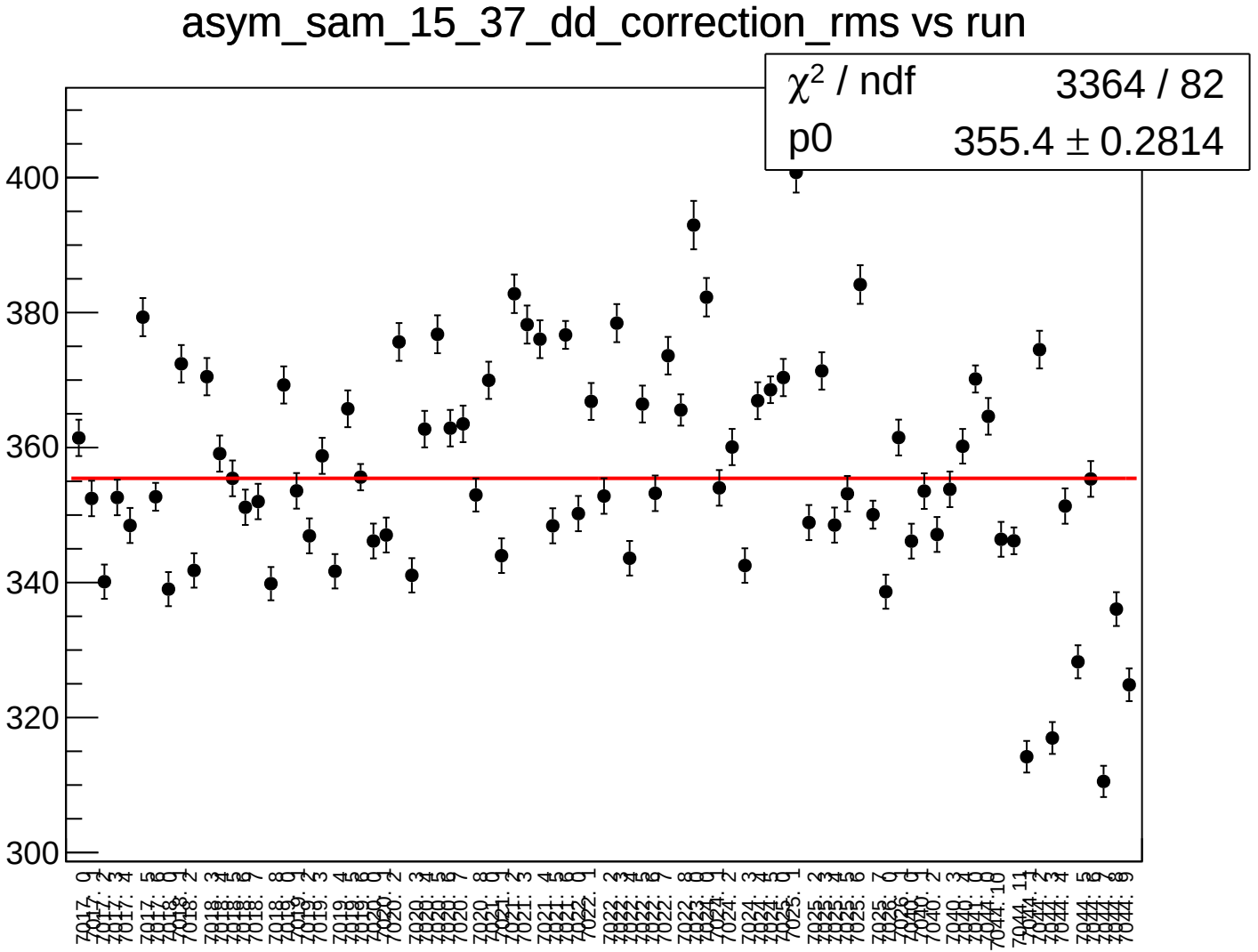

asym_sam_13_57_dd_mean vs run
χ² / ndf 93.46 / 82
p0 −196.1 ± 373.9
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −241.7
Std Dev 293.4
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01592
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

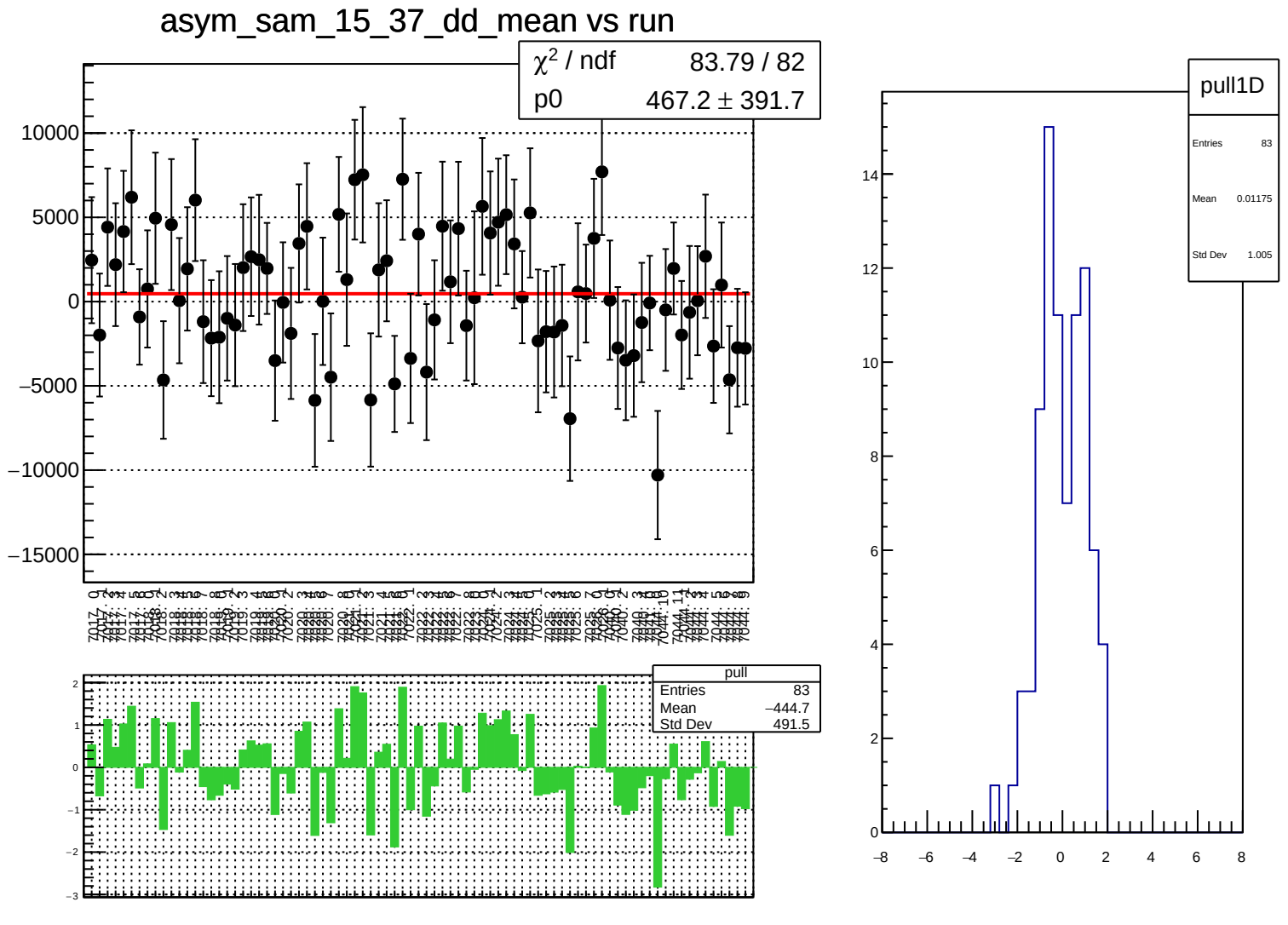

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4108 / 82
p0 333.8 ± 0.2644
380
360
340
320
300
280

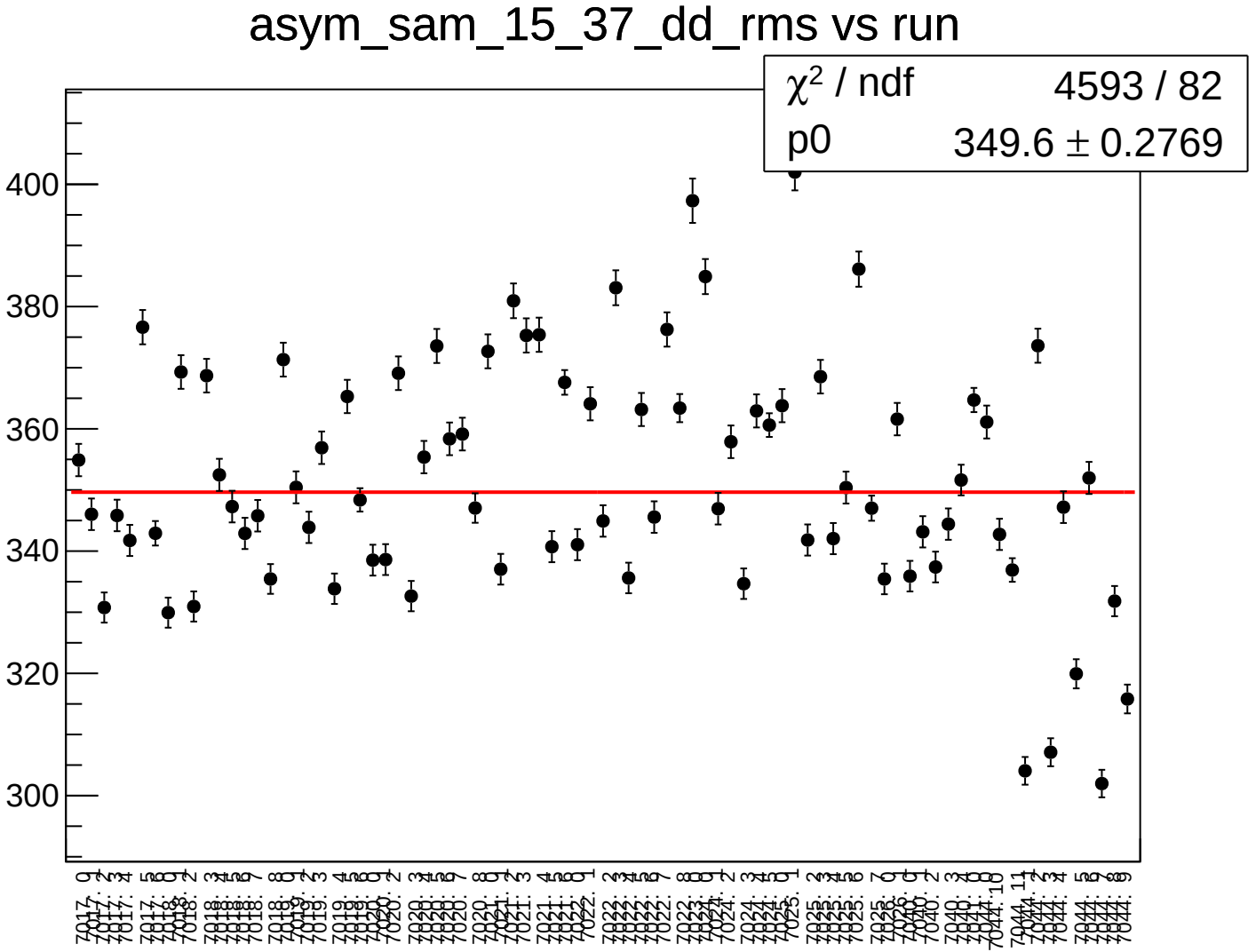

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 90.41 / 82
p0 −13.36 ± 48.7
pull
Entries 83
Mean −8.961
Std Dev 175
pull1D
Entries 83
Mean 0.001785
Std Dev 1.044

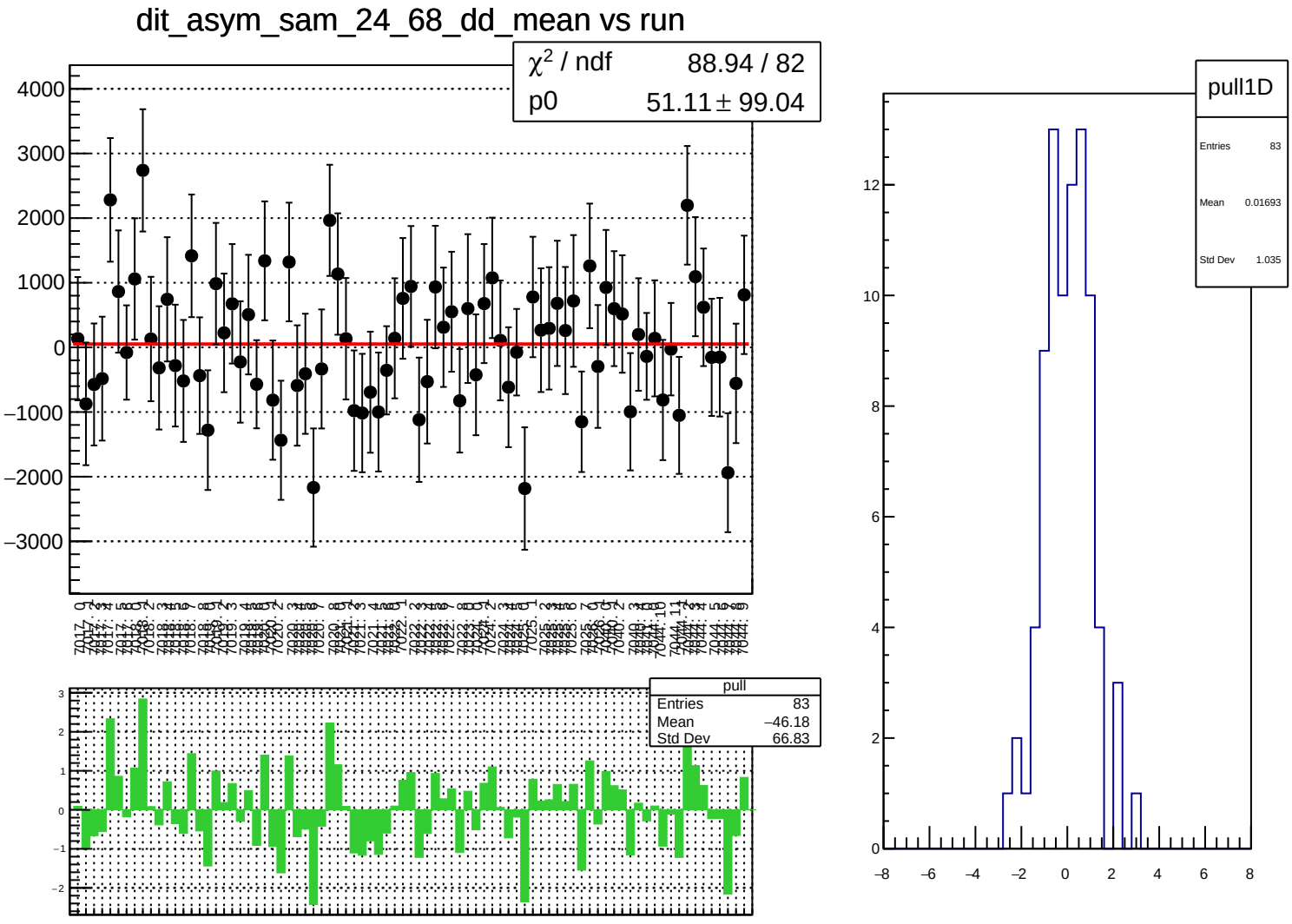

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 610.8 / 82
p0 43.53 ± 0.03443
46
45.5
45
44.5
44
43.5
43
42.5
42
41.5


asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 85.6 / 82
p0 −422 ± 398
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −462.4
Std Dev 509.8
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01148
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

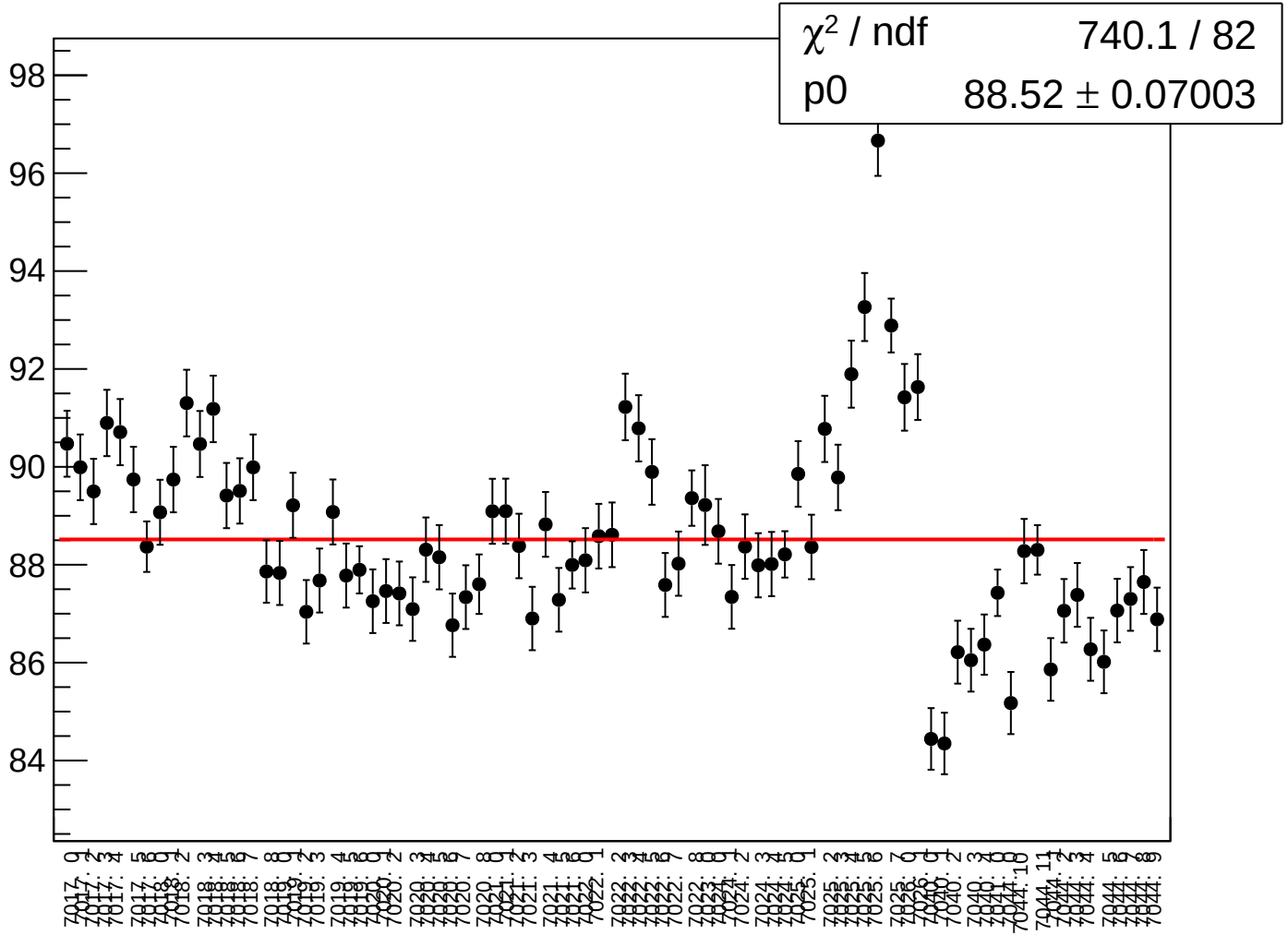

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3364 / 82
p0 355.4 ± 0.2814
400
380
360
340
320
300

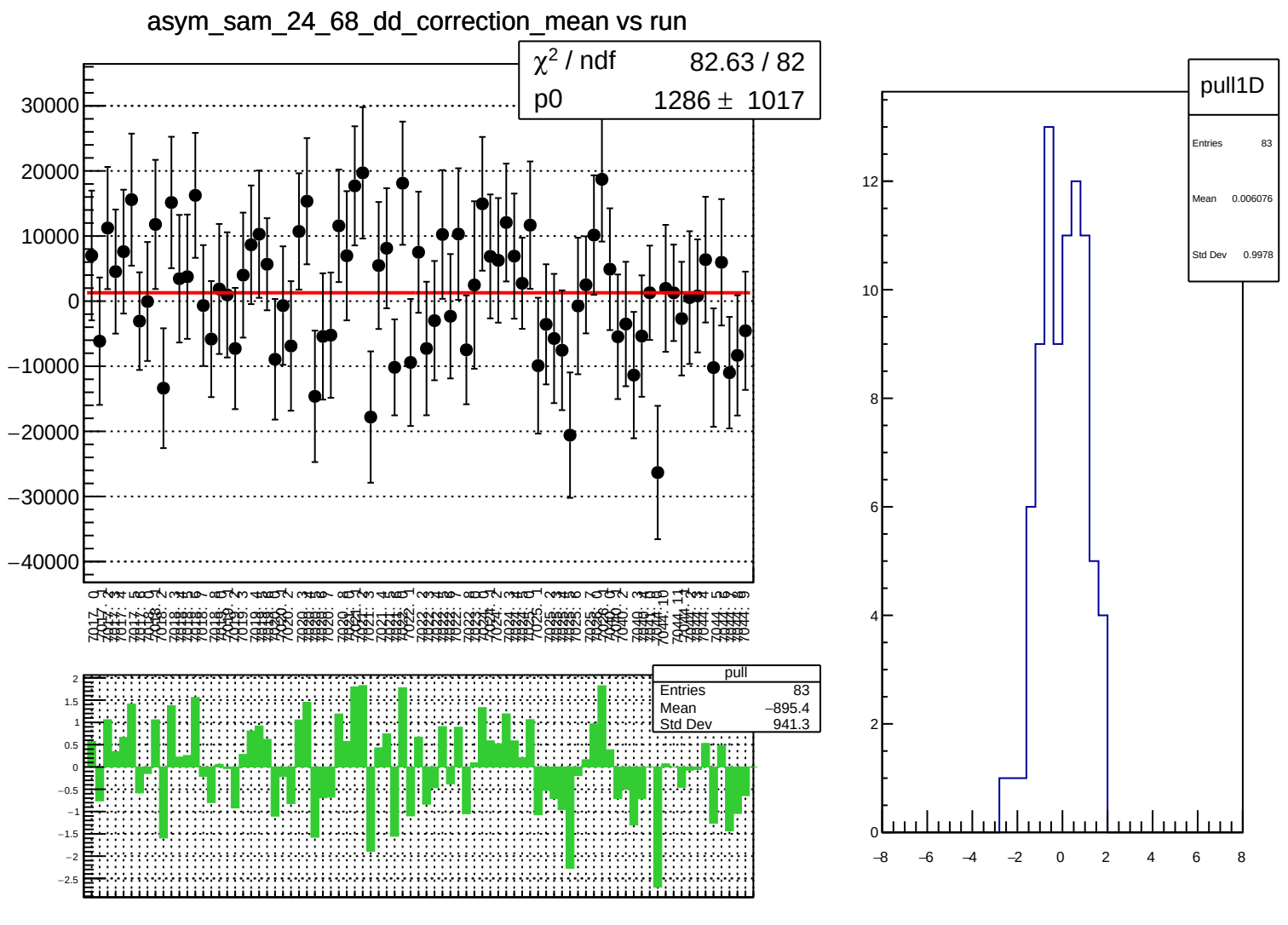

asym_sam_15_37_dd_mean vs run
χ² / ndf 83.79 / 82
p0 467.2 ± 391.7
pull
Entries 83
Mean −444.7
Std Dev 491.5
pull1D
Entries 83
Mean 0.01175
Std Dev 1.005

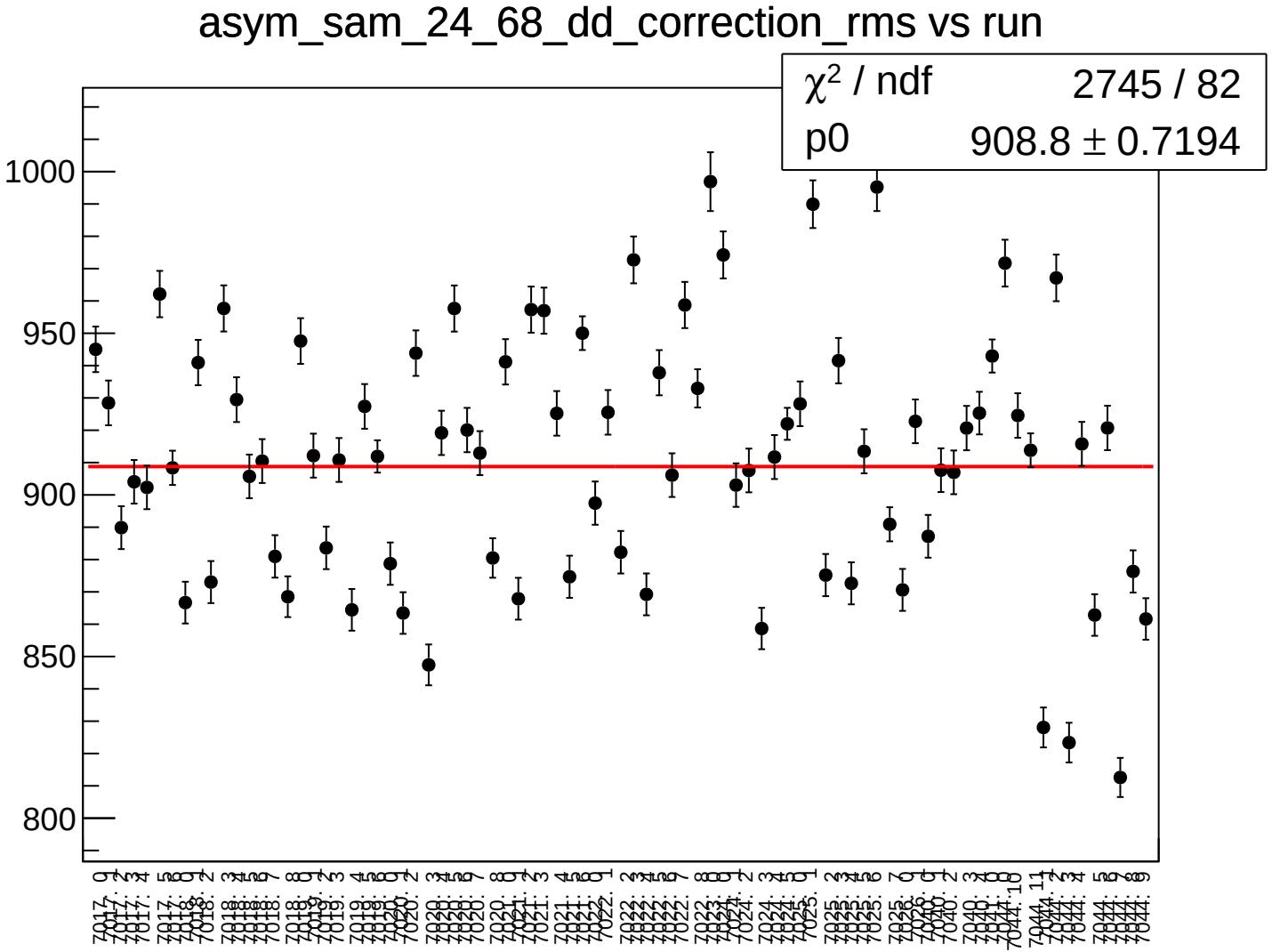

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4593 / 82
p0 349.6 ± 0.2769
400
380
360
340
320
300

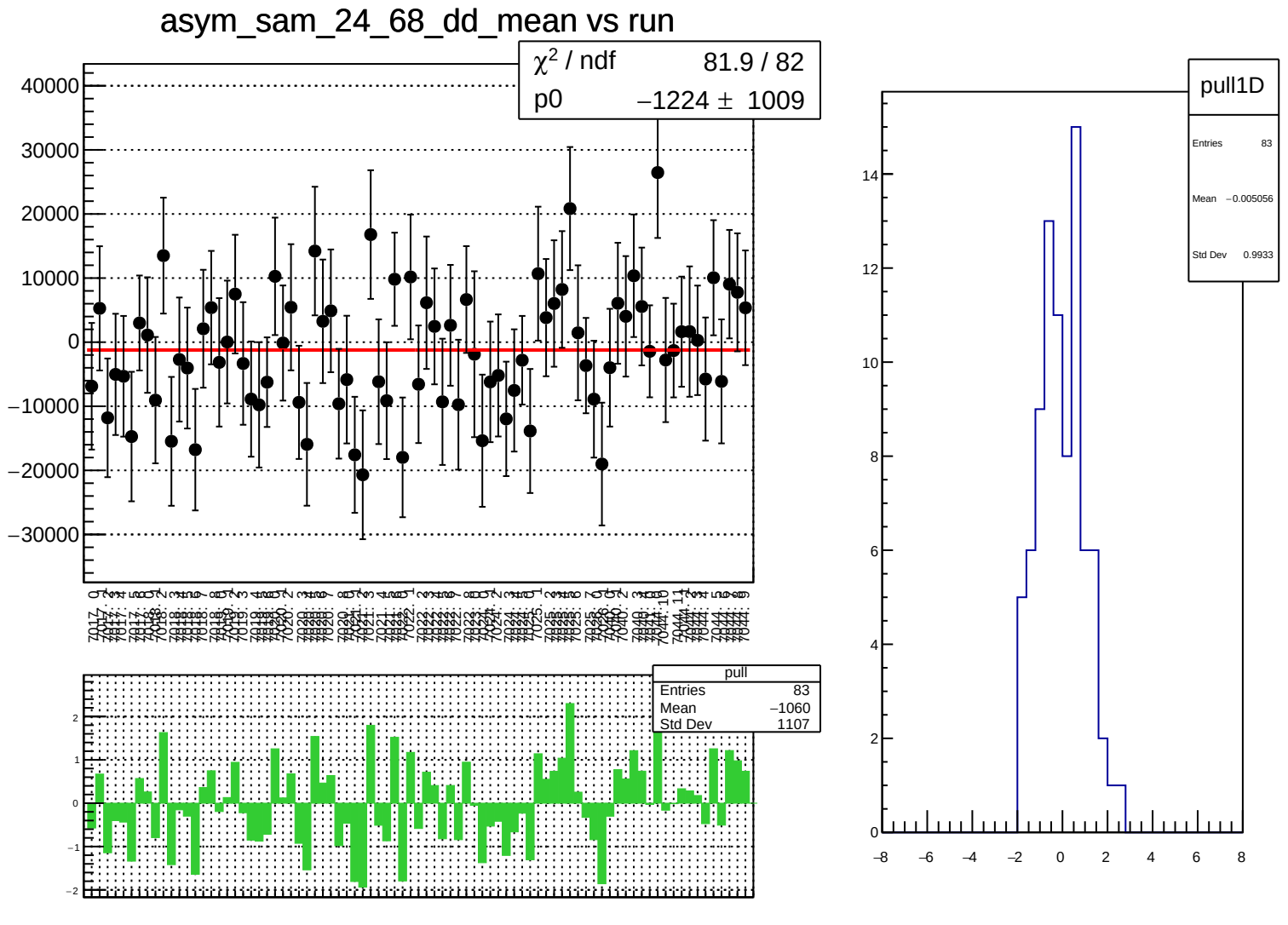

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 88.94 / 82
p0 51.11 ± 99.04
pull
Entries 83
Mean −46.18
Std Dev 66.83
pull1D
Entries 83
Mean 0.01693
Std Dev 1.035

dit_asym_sam_24_68_dd_rms vs run

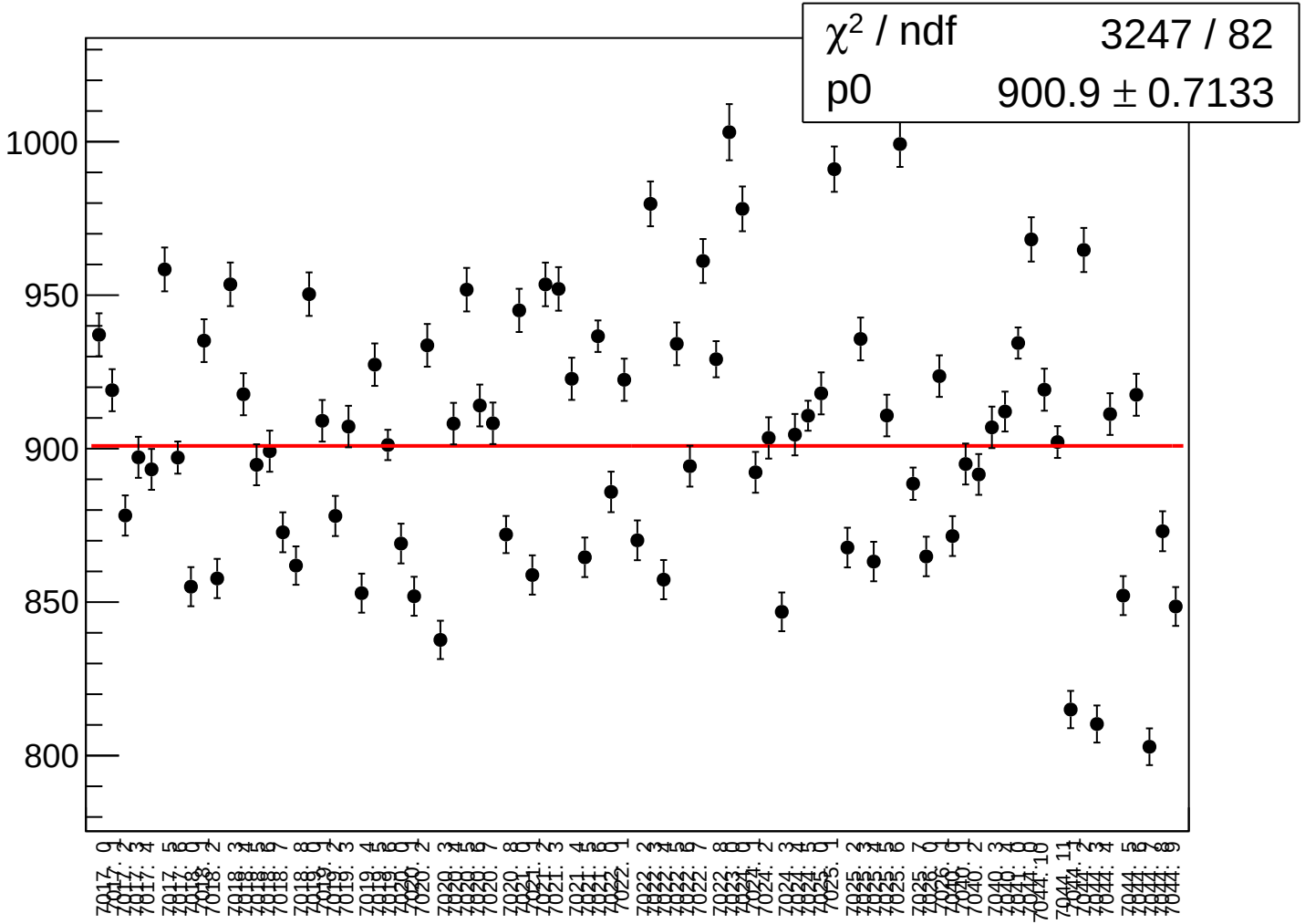


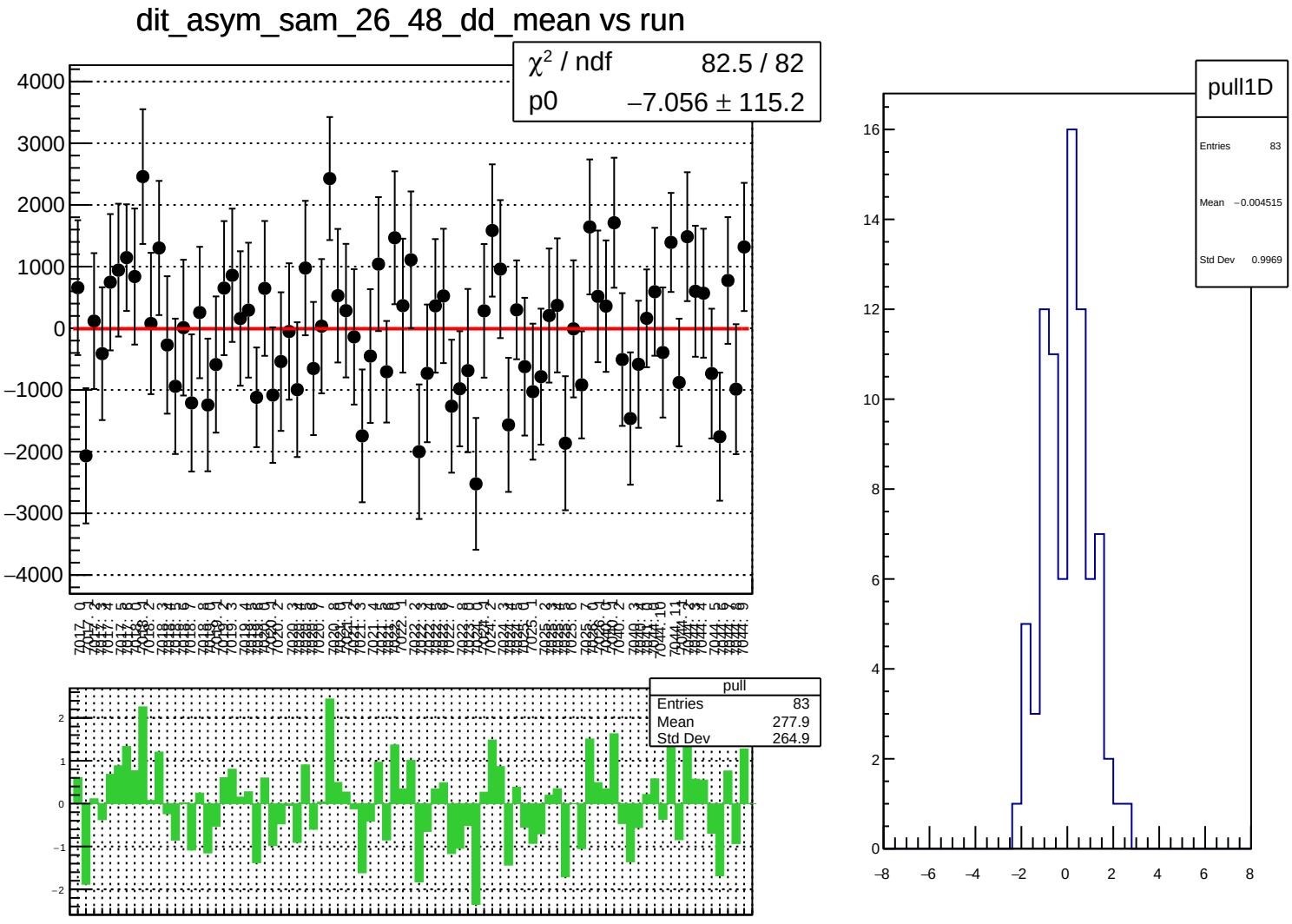

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 82.63 / 82
p0 1286 ± 1017
pull
Entries 83
Mean −895.4
Std Dev 941.3
pull1D
Entries 83
Mean 0.006076
Std Dev 0.9978

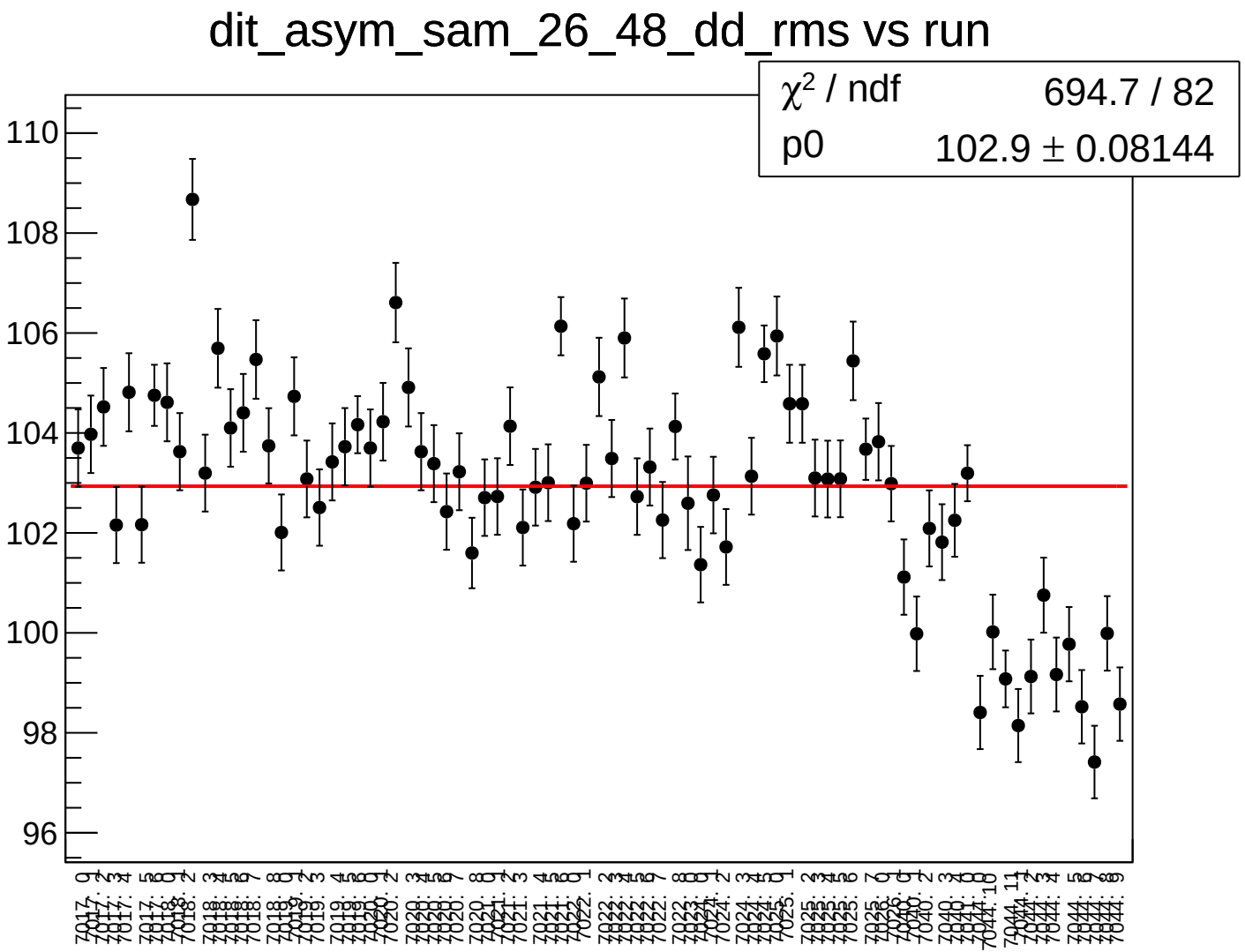

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2745 / 82
p0 908.8 ± 0.7194
1000
950
900
850
800

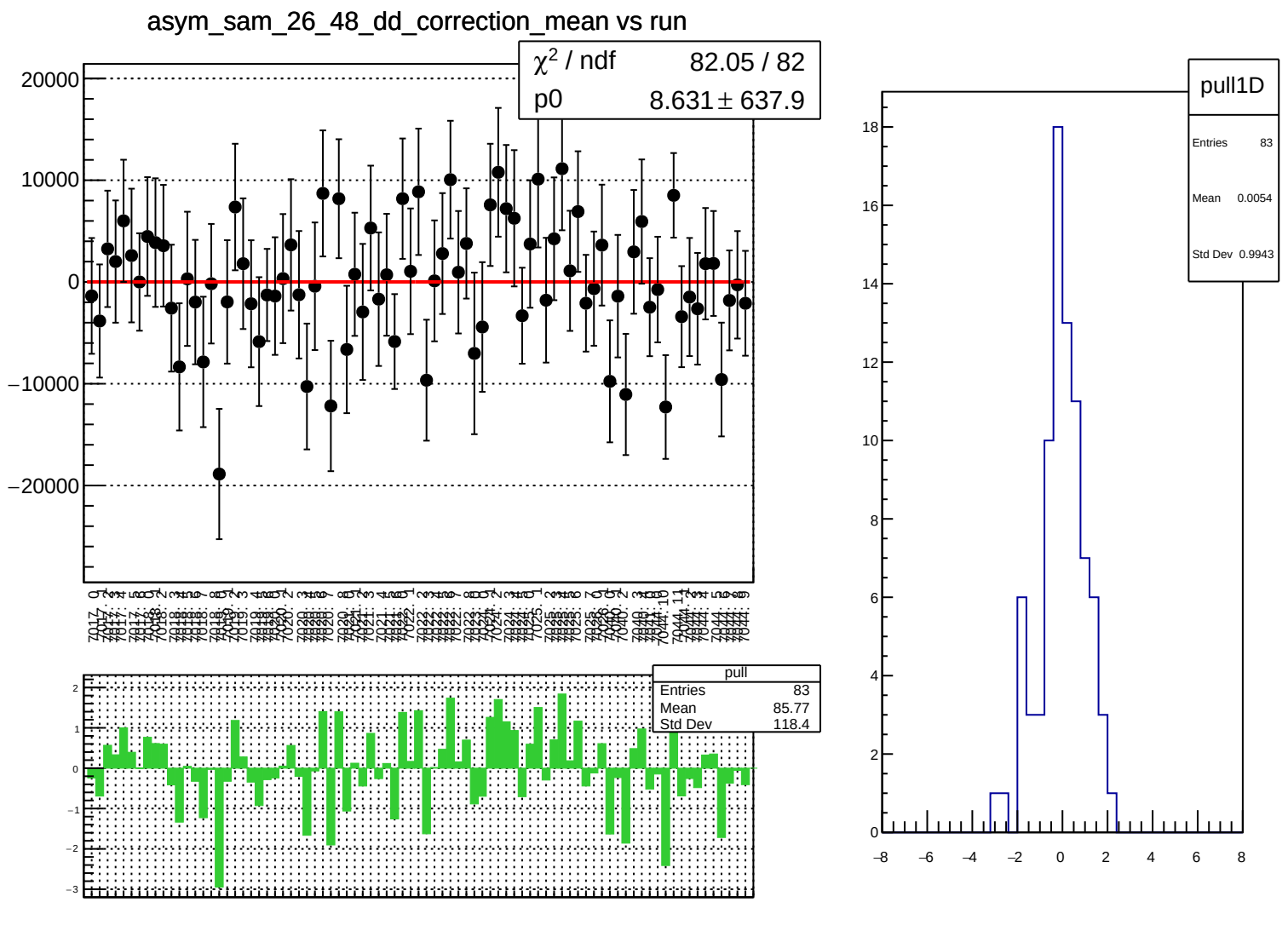

asym_sam_24_68_dd_mean vs run
χ² / ndf 81.9 / 82
p0 −1224 ± 1009
pull
Entries 83
Mean −1060
Std Dev 1107
pull1D
Entries 83
Mean −0.005056
Std Dev 0.9933

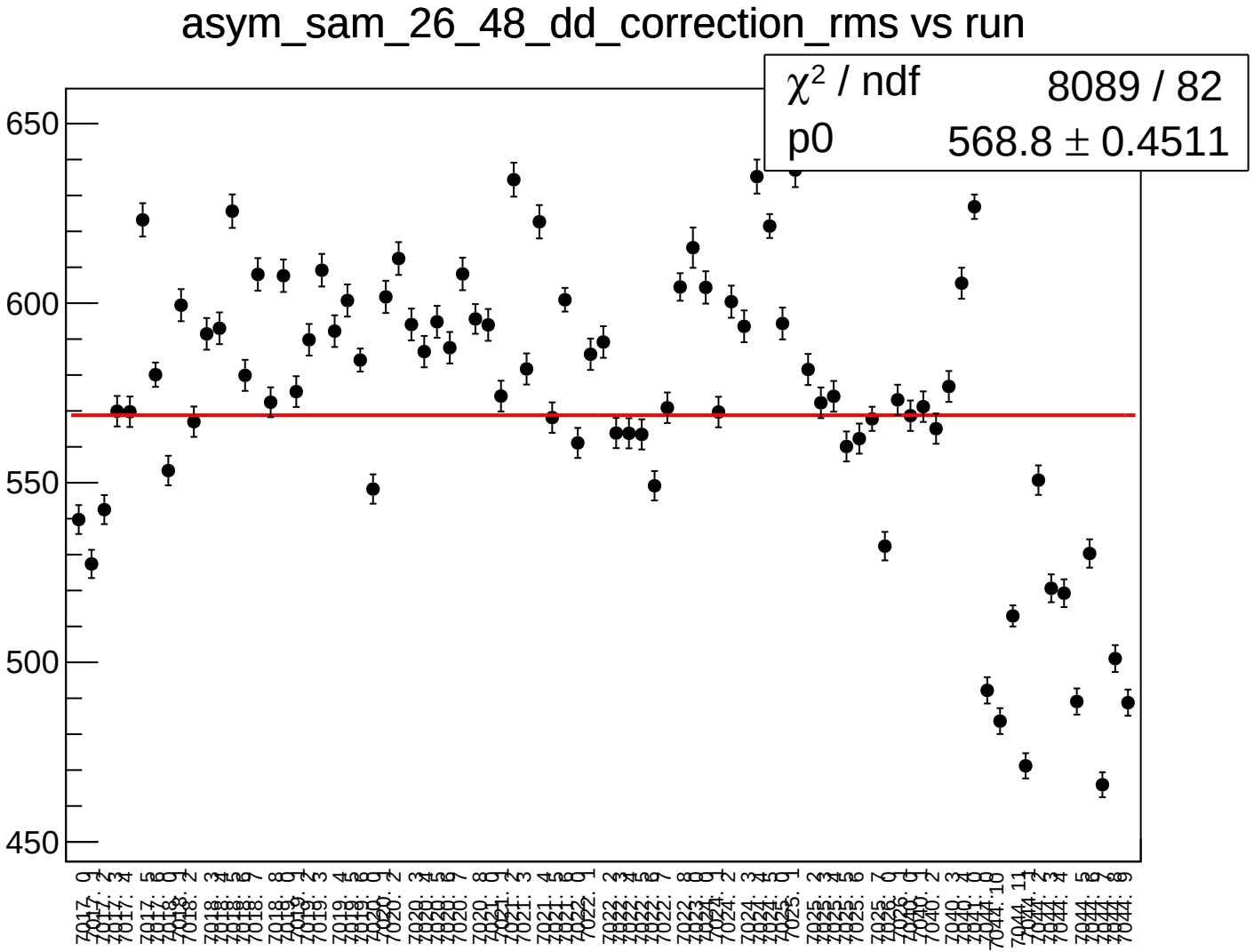
asym_sam_24_68_dd_rms vs run

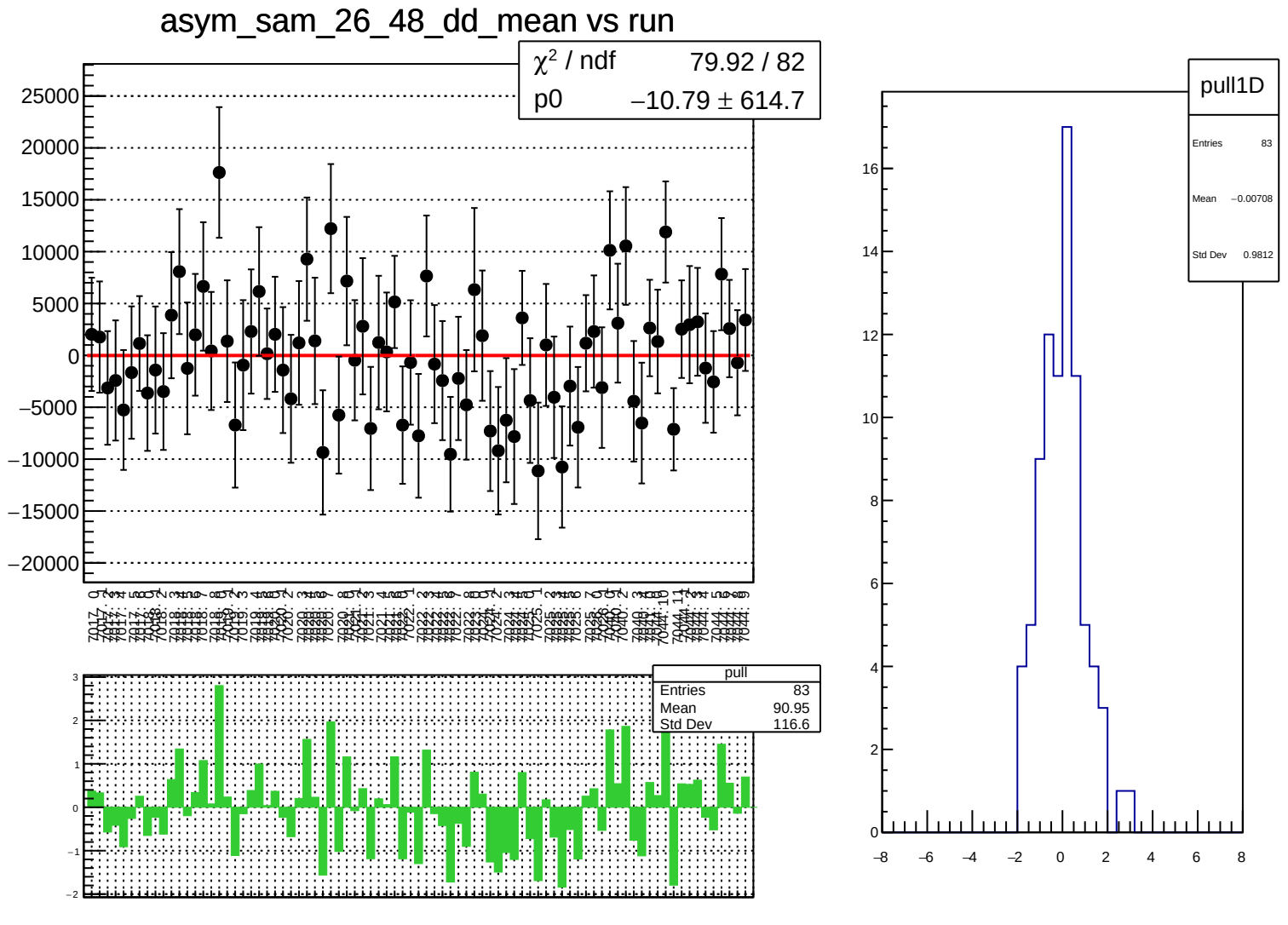


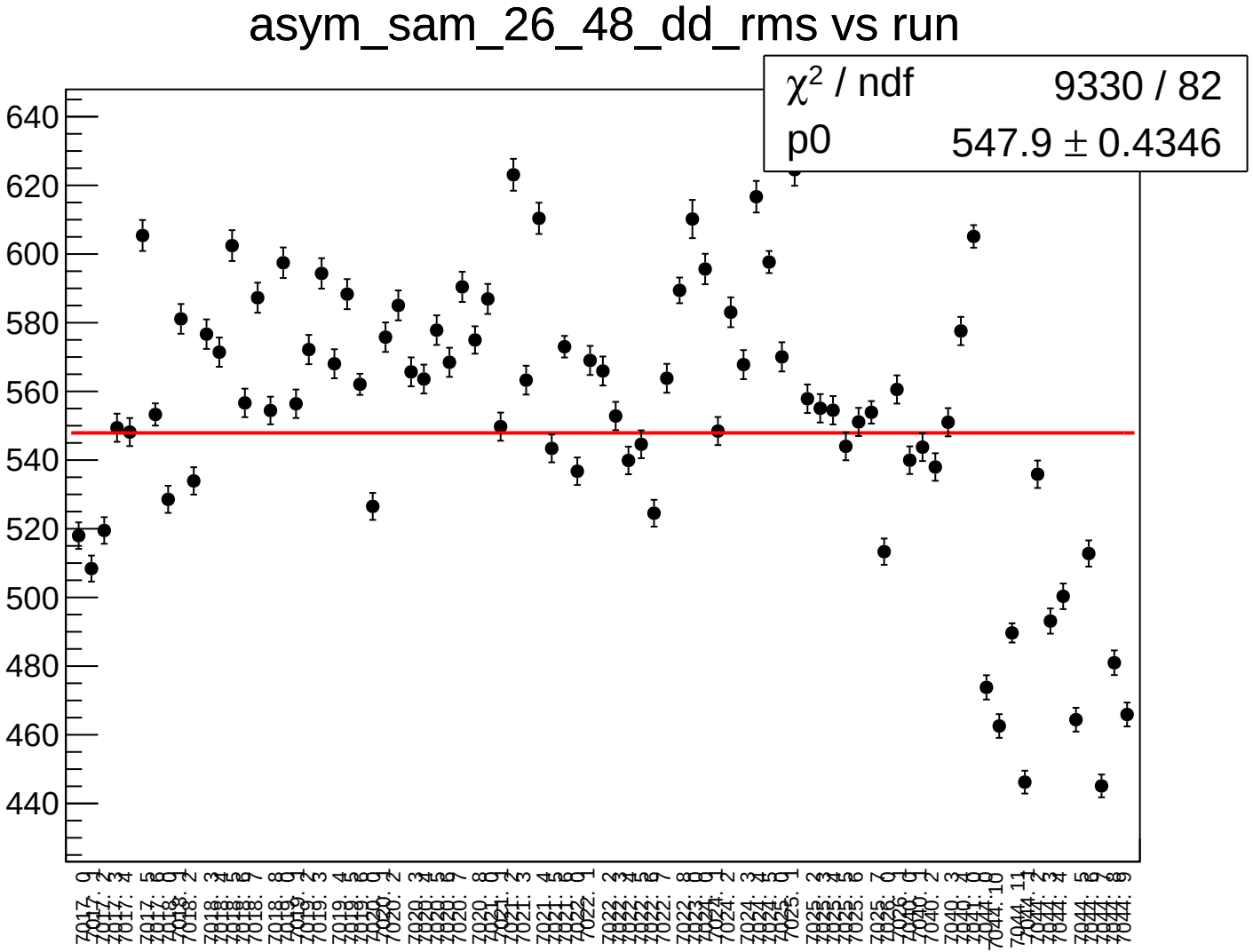

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 82.5 / 82
p0 −7.056 ± 115.2
pull
Entries 83
Mean 277.9
Std Dev 264.9
pull1D
Entries 83
Mean −0.004515
Std Dev 0.9969

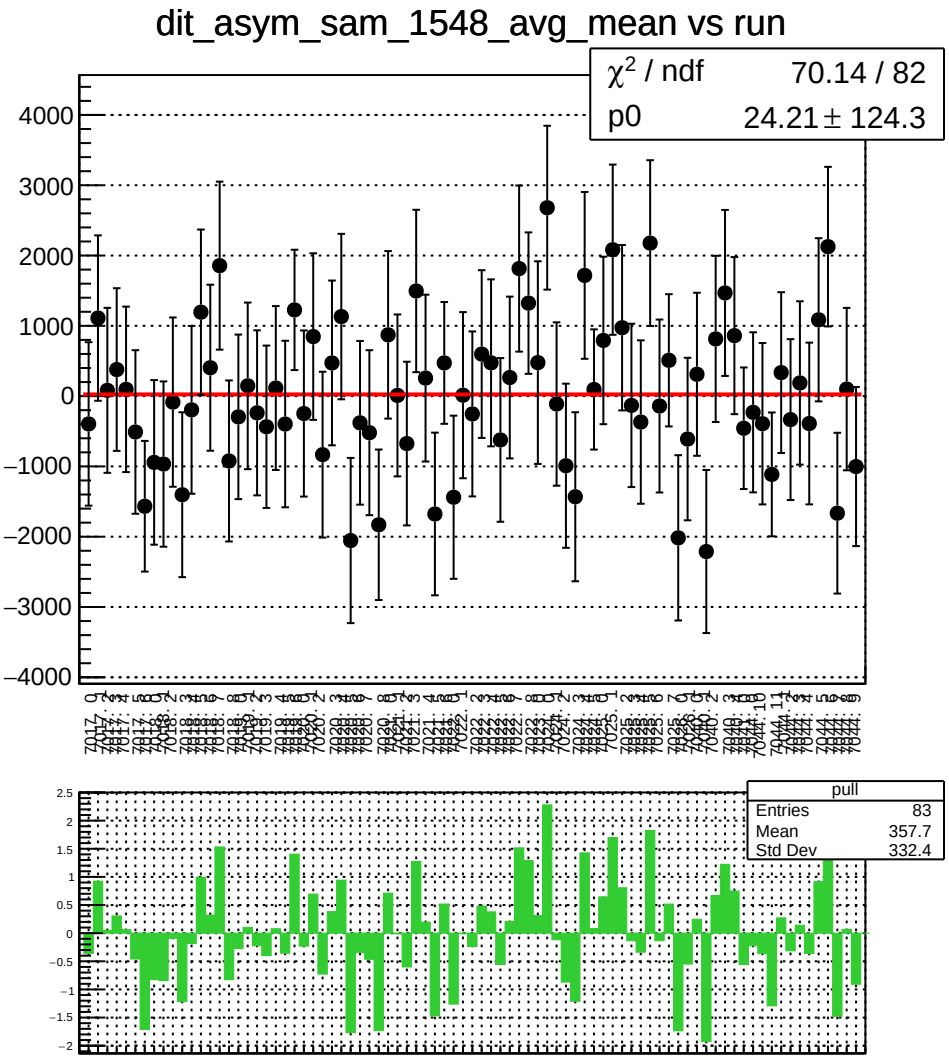

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 694.7 / 82
p0 102.9 ± 0.08144
110
108
106
104
102
100
98
96

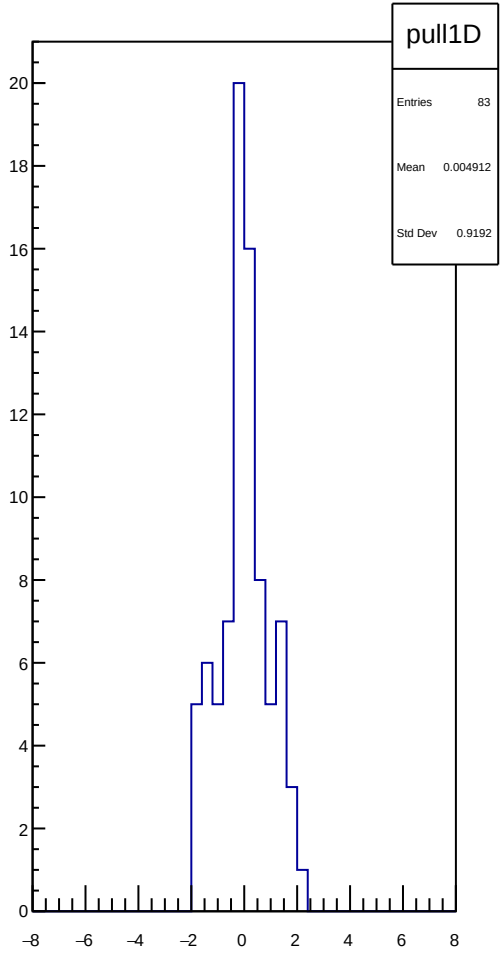

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 82.05 / 82
p0 8.631 ± 637.9
20000
10000
0
−10000
−20000
pull
Entries 83
Mean 85.77
Std Dev 118.4
pull1D
Entries 83
Mean 0.0054
Std Dev 0.9943


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 8089 / 82
p0 568.8 ± 0.4511
650
600
550
500
450

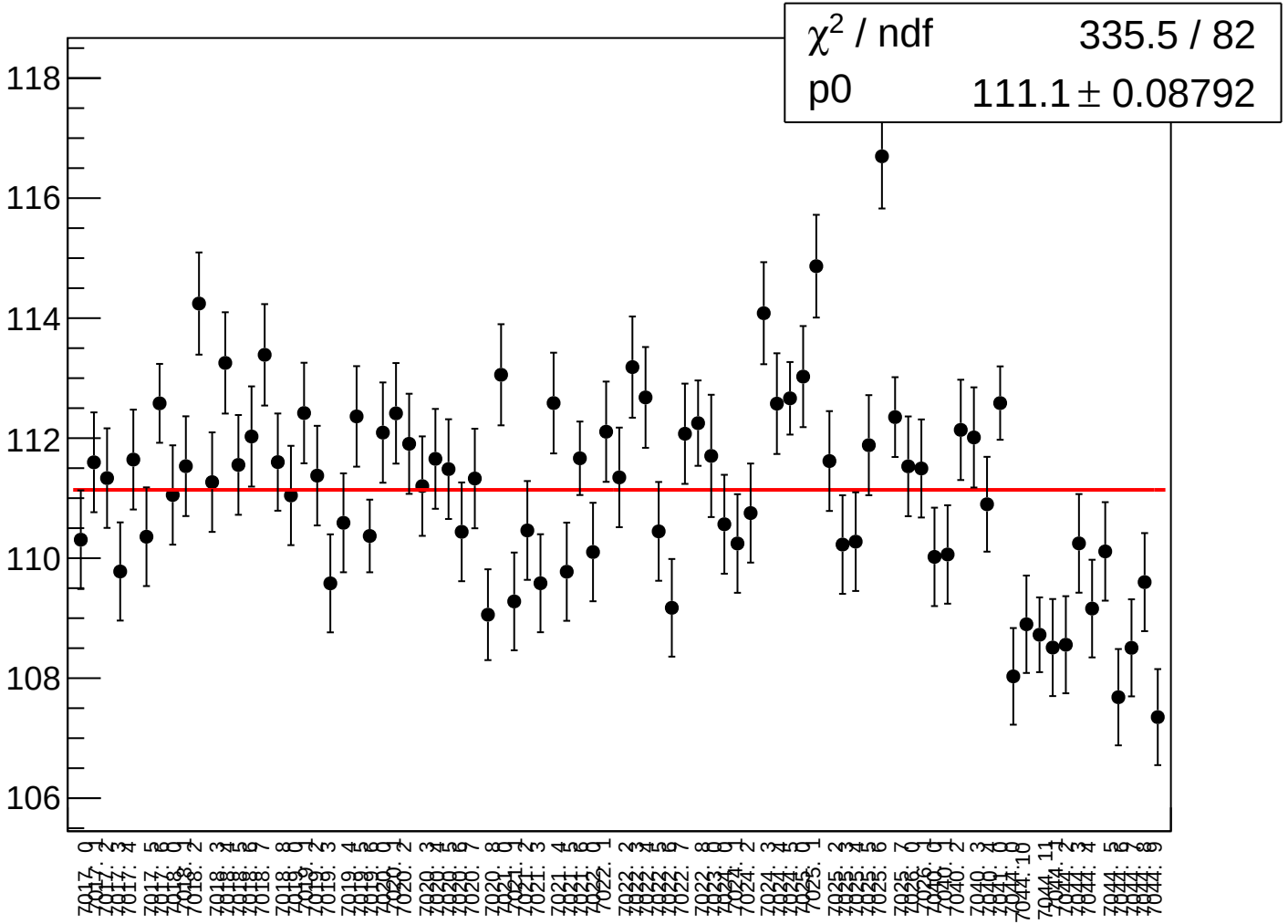

asym_sam_26_48_dd_mean vs run
χ² / ndf 79.92 / 82
p0 −10.79 ± 614.7
pull
Entries 83
Mean 90.95
Std Dev 116.6
pull1D
Entries 83
Mean −0.00708
Std Dev 0.9812

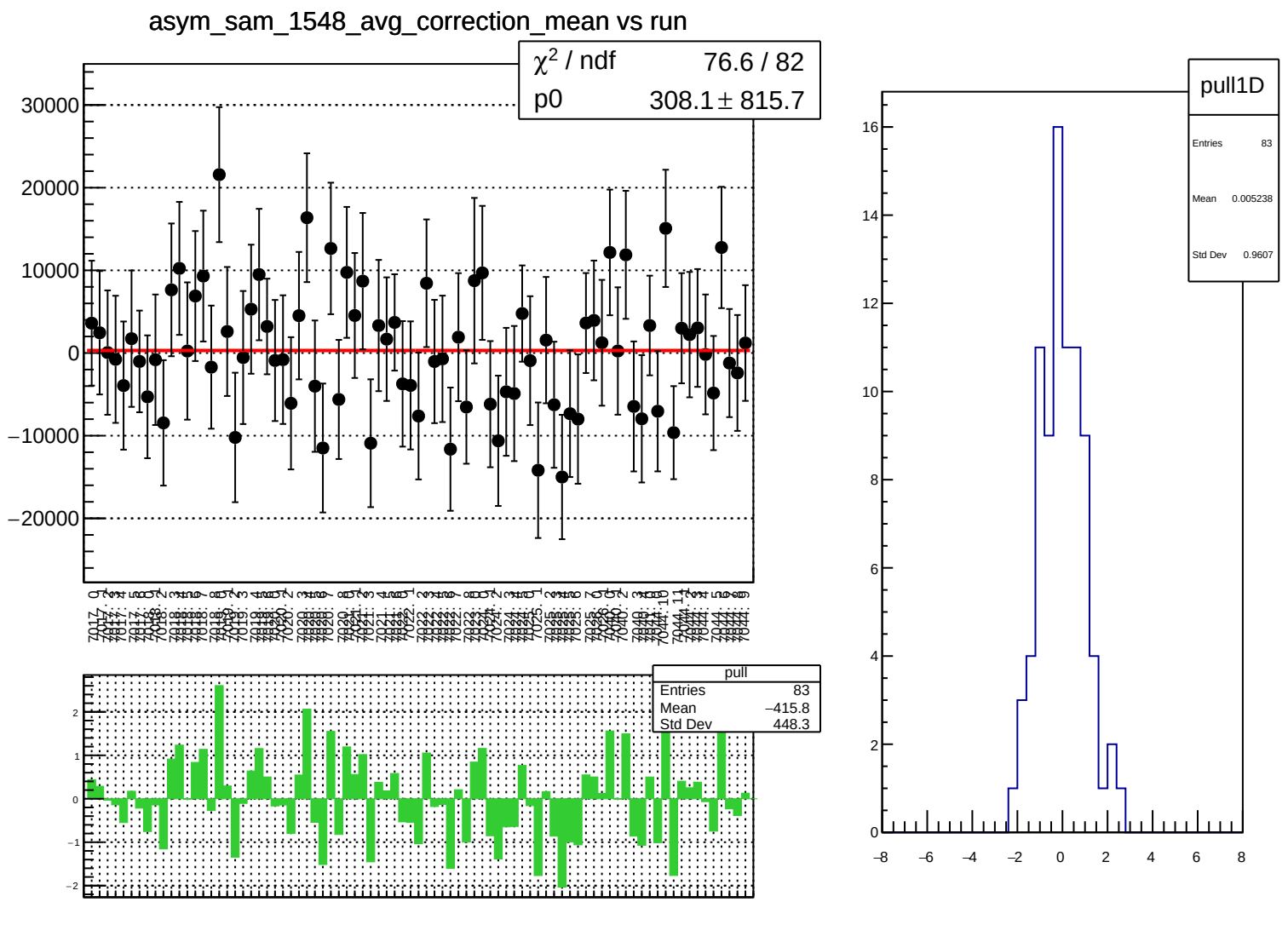

asym_sam_26_48_dd_rms vs run
χ² / ndf 9330 / 82
p0 547.9 ± 0.4346
640
620
600
580
560
540
520
500
480
460
440

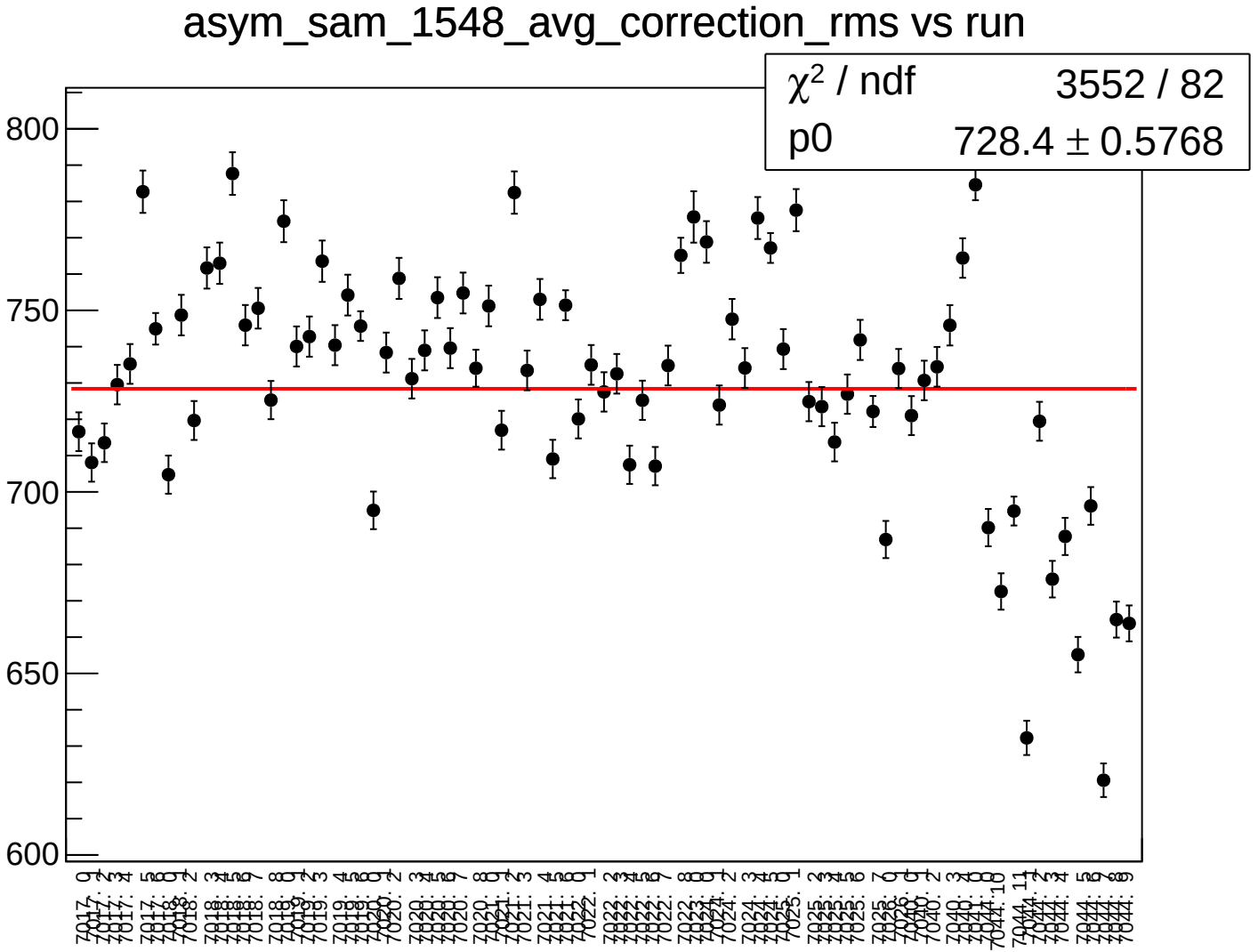

dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 70.14 / 82
p0 24.21 ± 124.3
pull
Entries 83
Mean 357.7
Std Dev 332.4

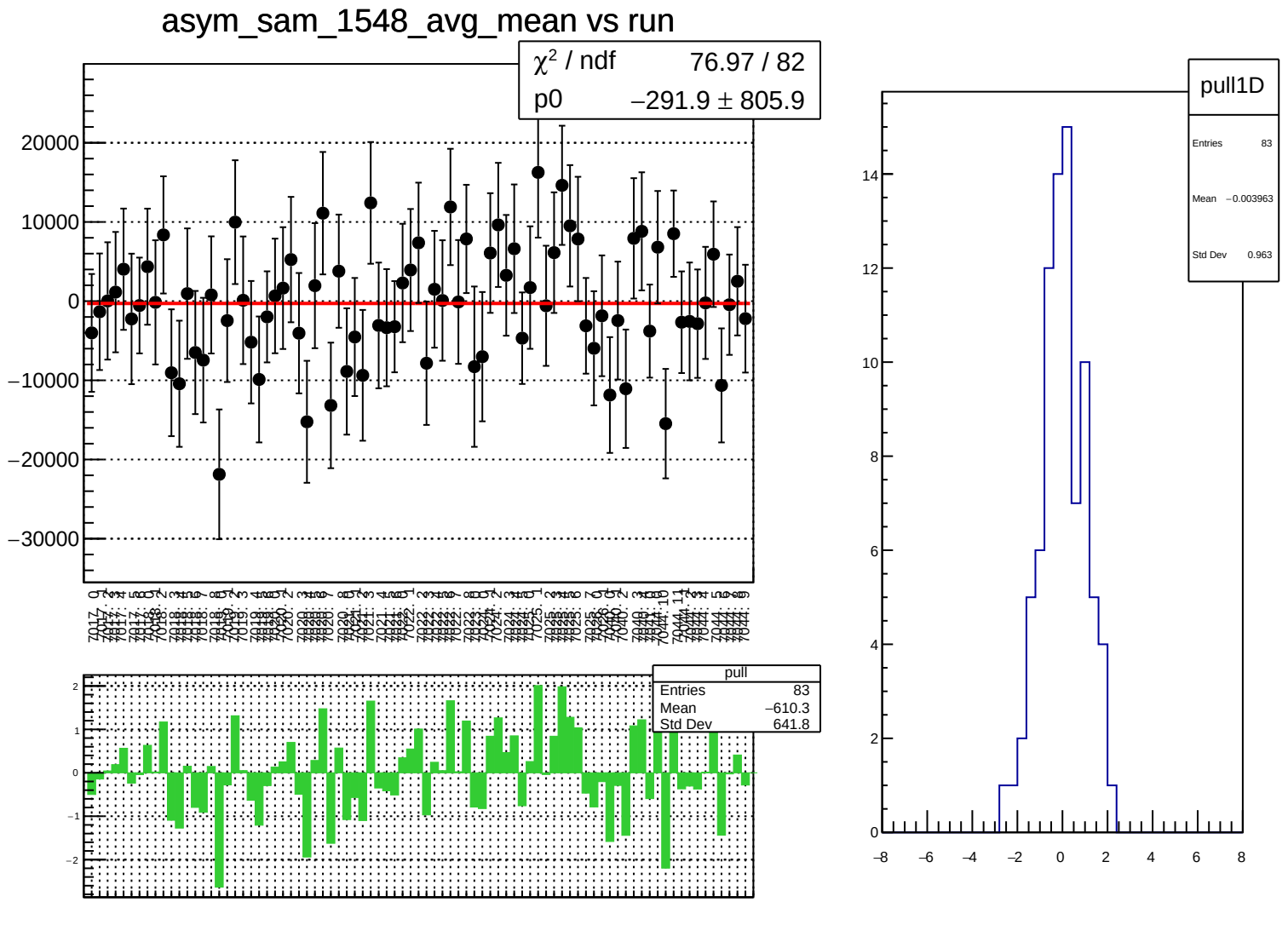

pull1D
Entries 83
Mean 0.004912
Std Dev 0.9192

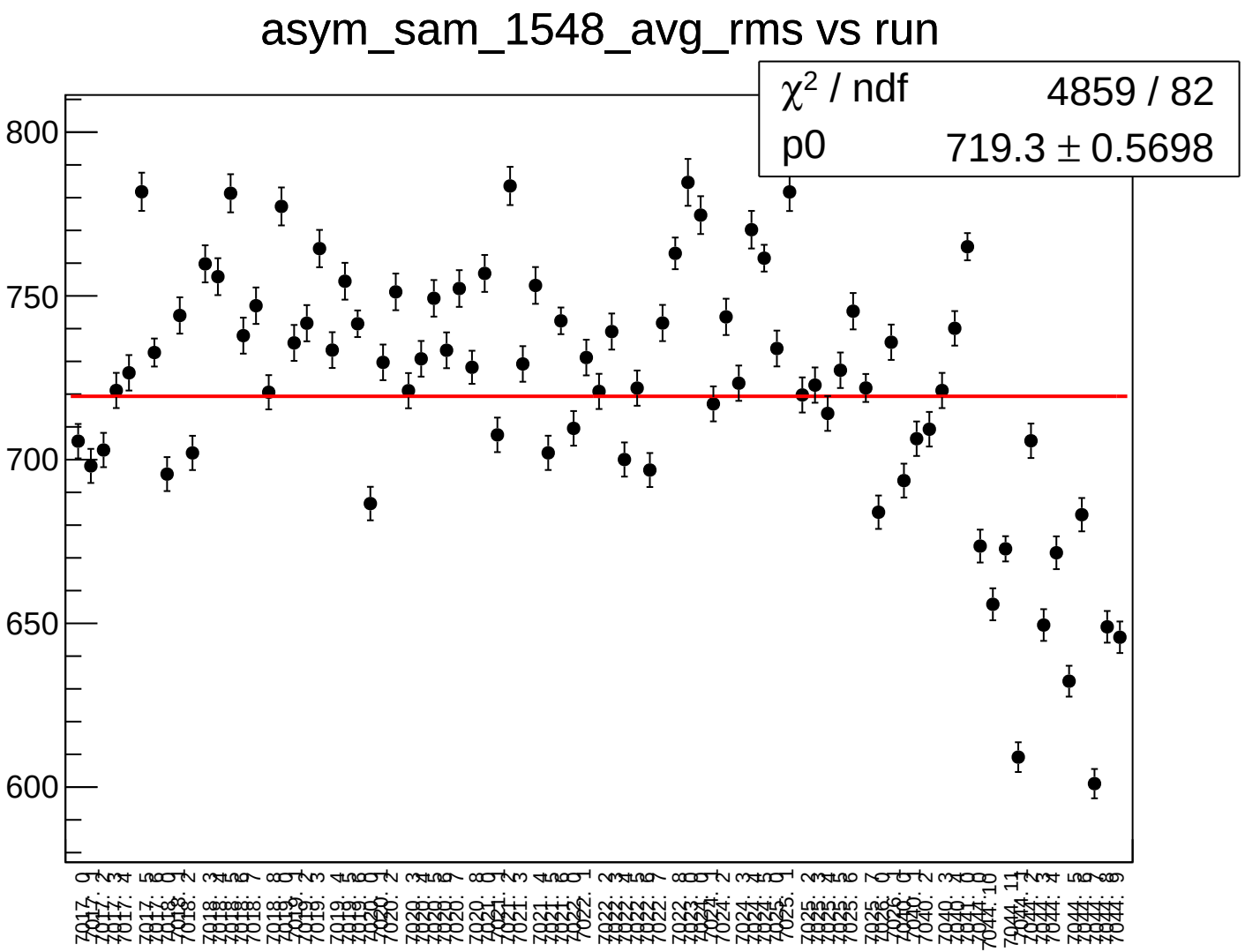
dit_asym_sam_1548_avg_rms vs run

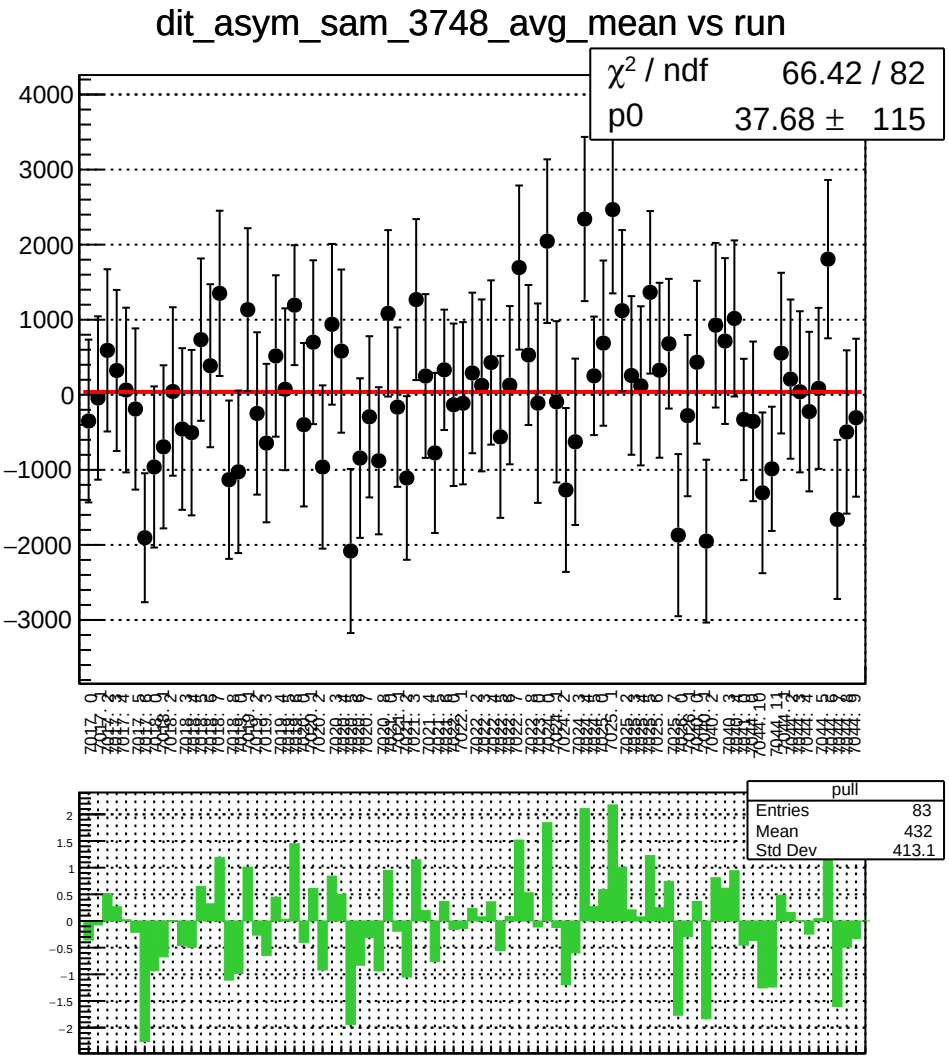


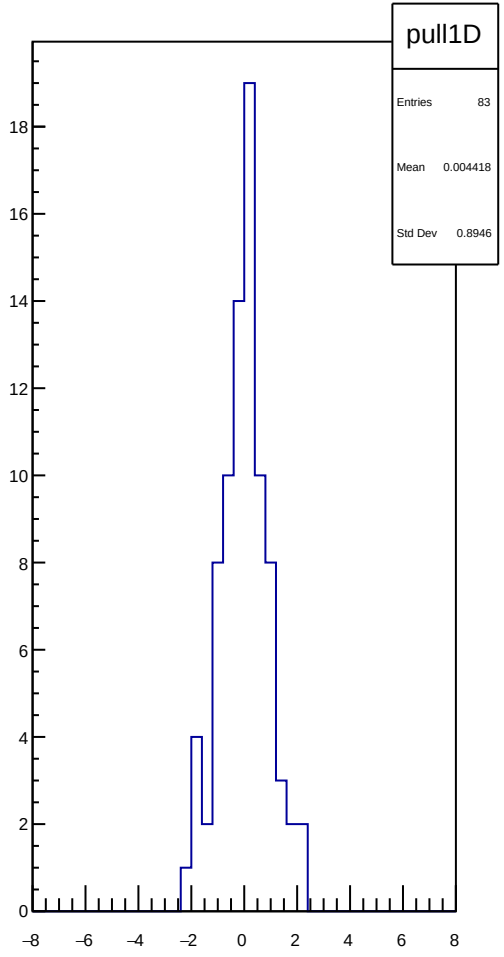

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 76.6 / 82
p0 308.1 ± 815.7
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −415.8
Std Dev 448.3
2
1
0
−1
−2
pull1D
Entries 83
Mean 0.005238
Std Dev 0.9607
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3552 / 82
p0 728.4 ± 0.5768
800
750
700
650
600

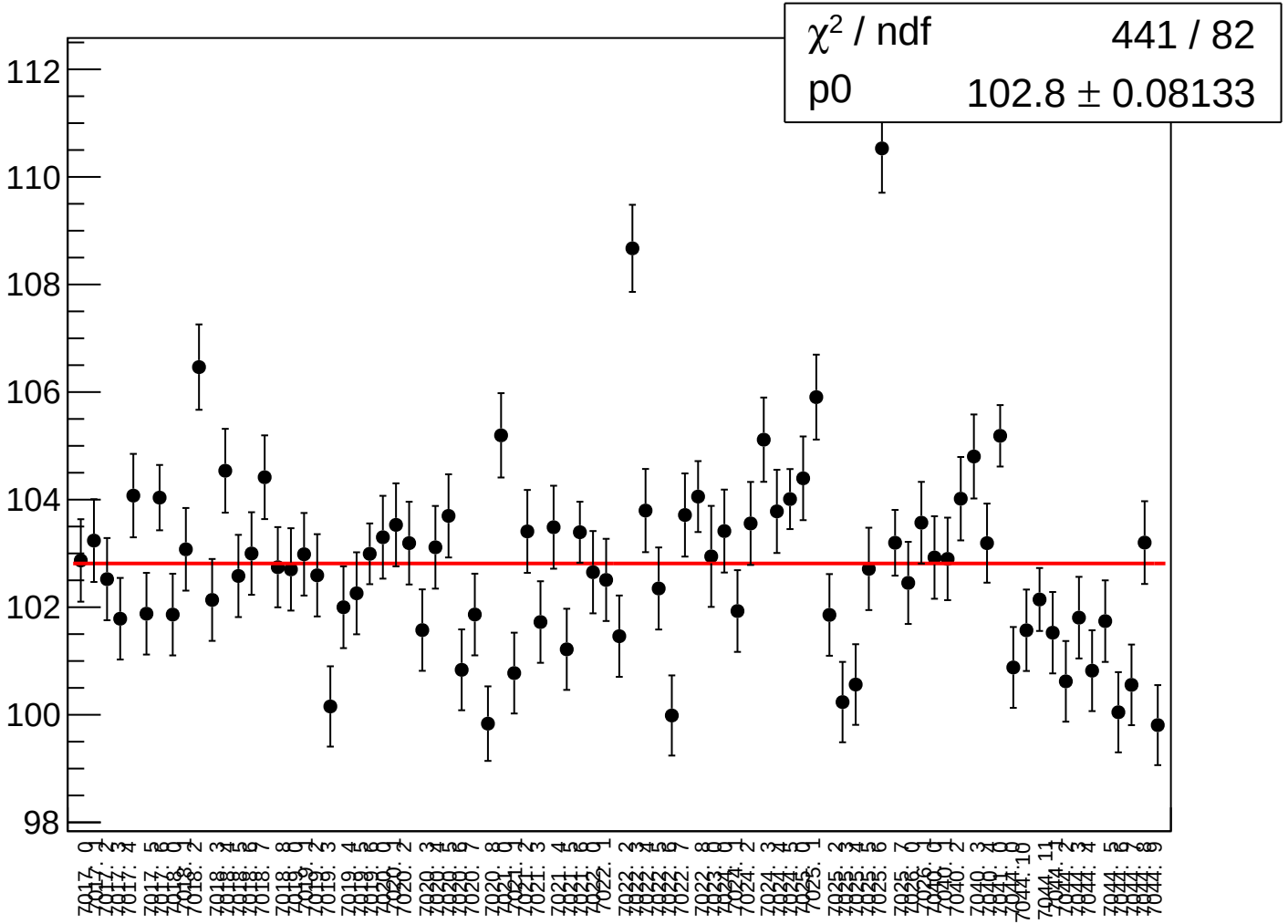

asym_sam_1548_avg_mean vs run
χ² / ndf 76.97 / 82
p0 −291.9 ± 805.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 83
Mean −610.3
Std Dev 641.8
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.003963
Std Dev 0.963
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

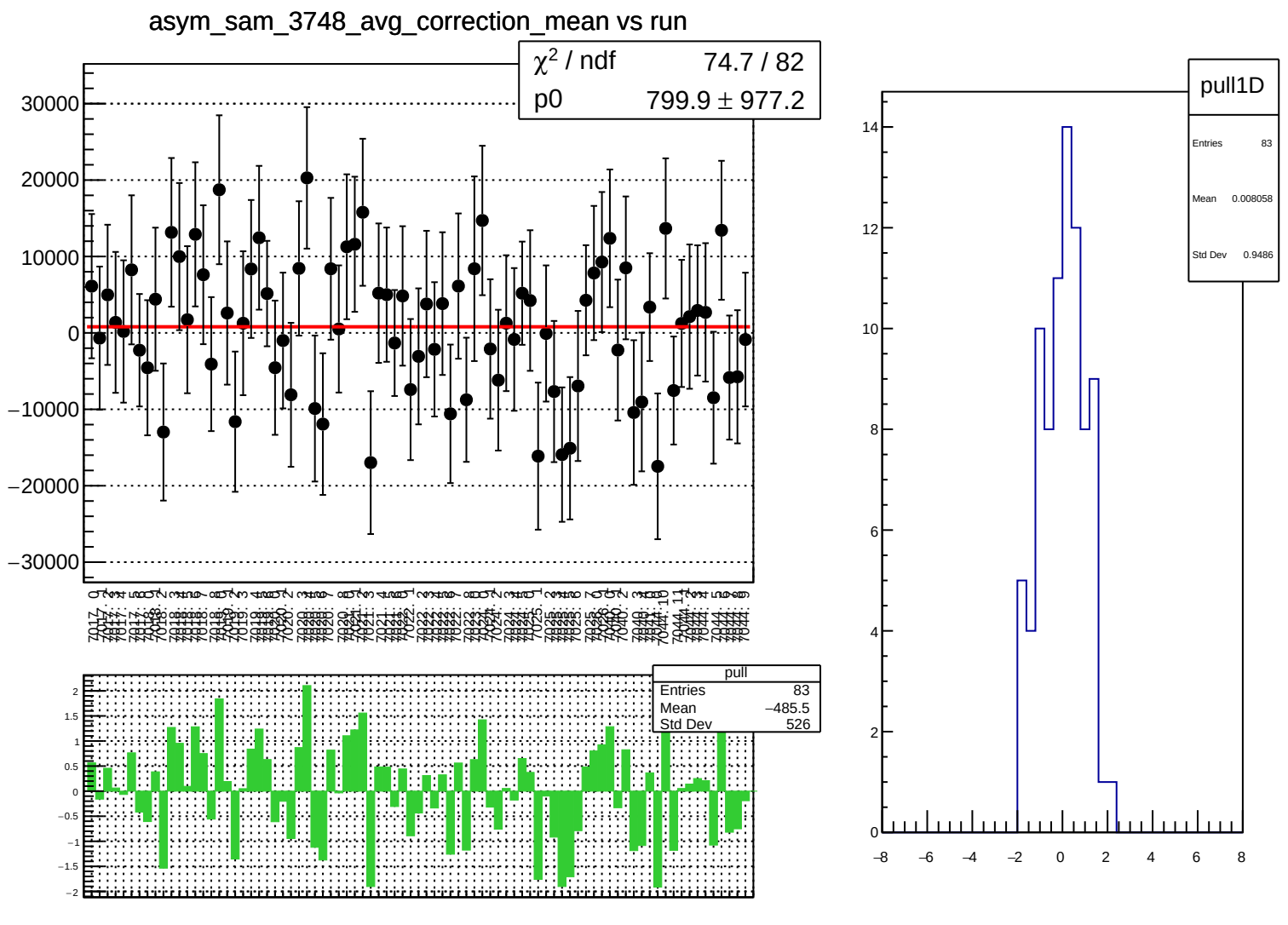

asym_sam_1548_avg_rms vs run
χ^2 / ndf 4859 / 82
p0 719.3 ± 0.5698
800
750
700
650
600

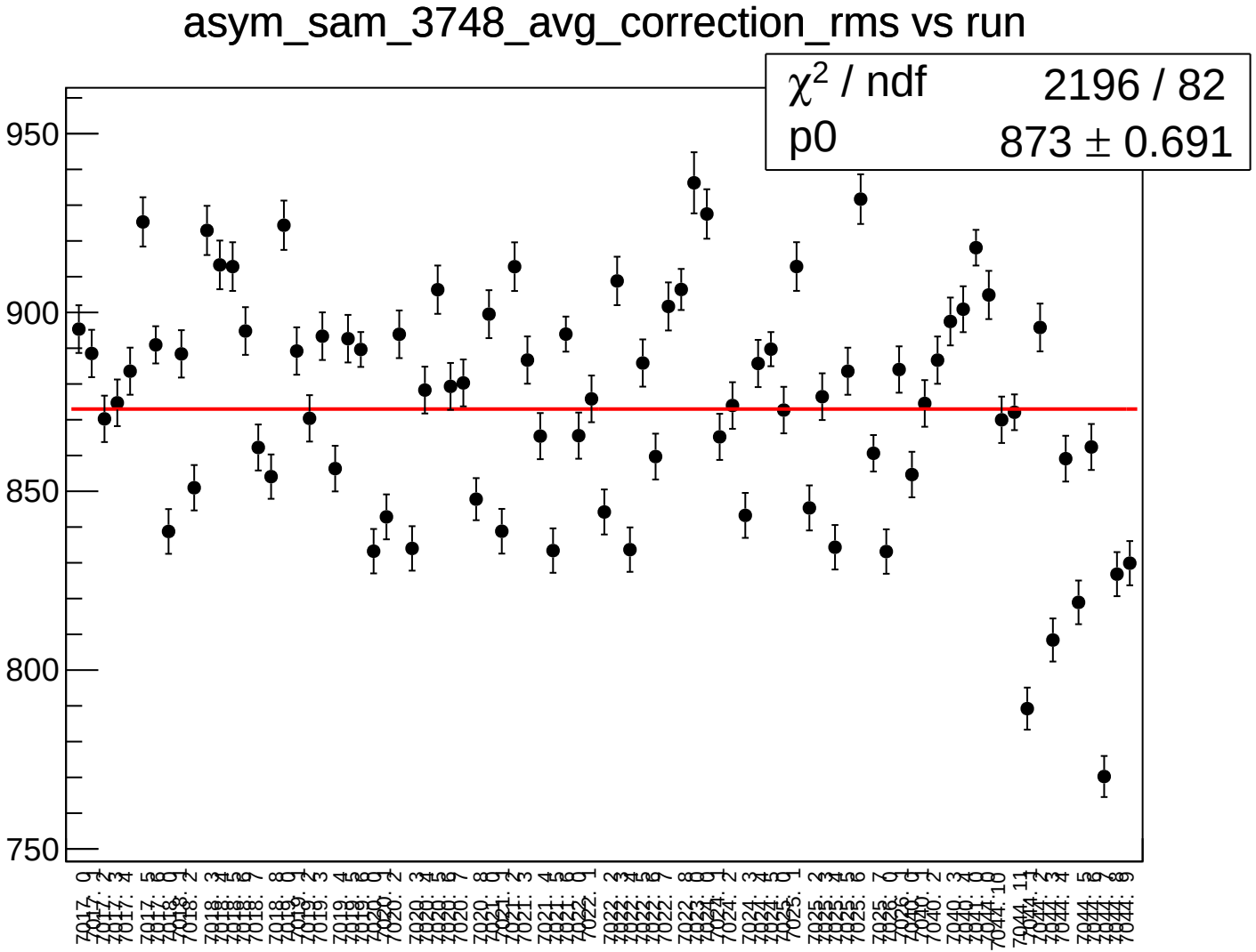

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 66.42 / 82
p0 37.68 ± 115
pull
Entries 83
Mean 432
Std Dev 413.1

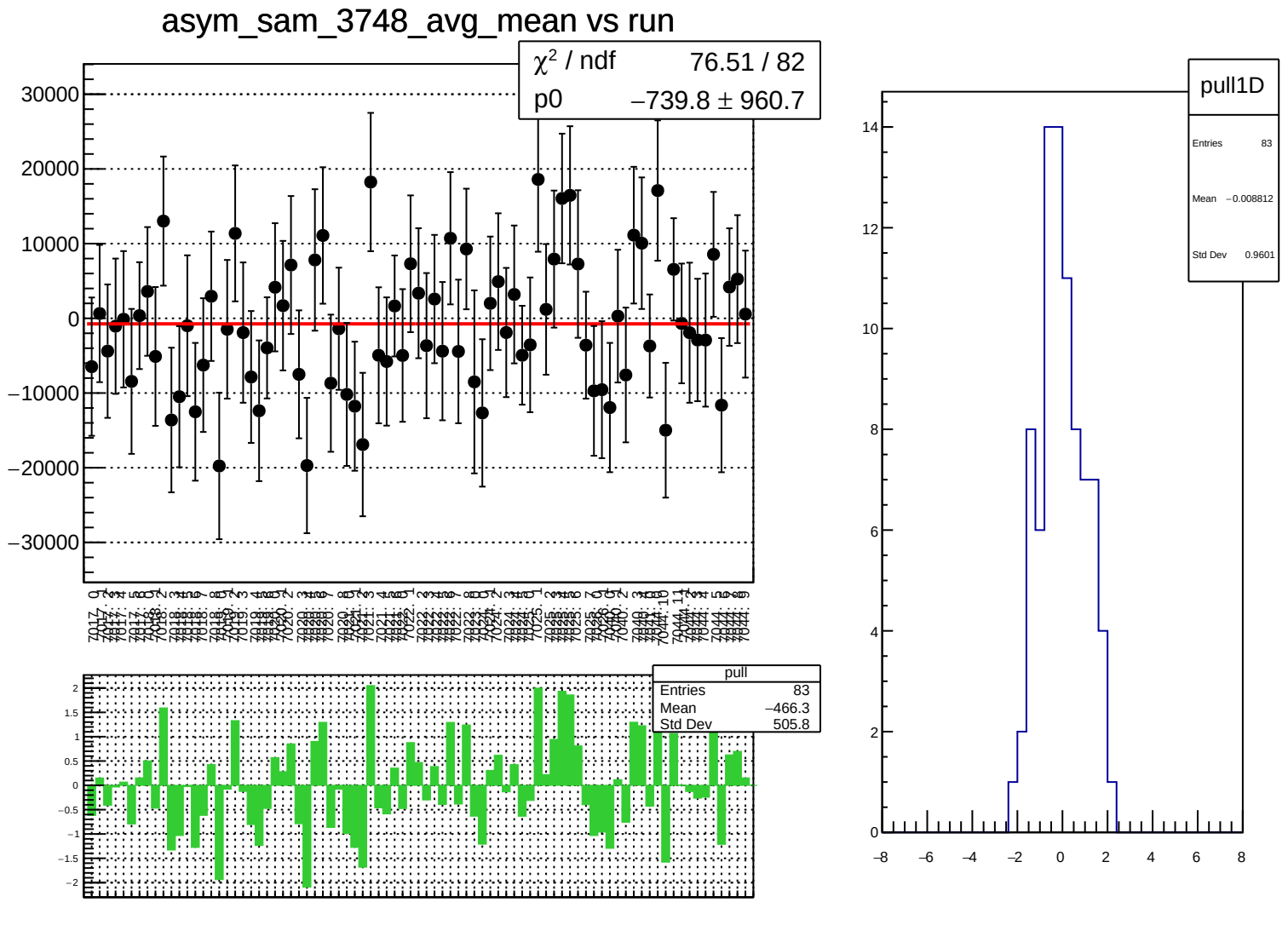

pull1D
Entries 83
Mean 0.004418
Std Dev 0.8946

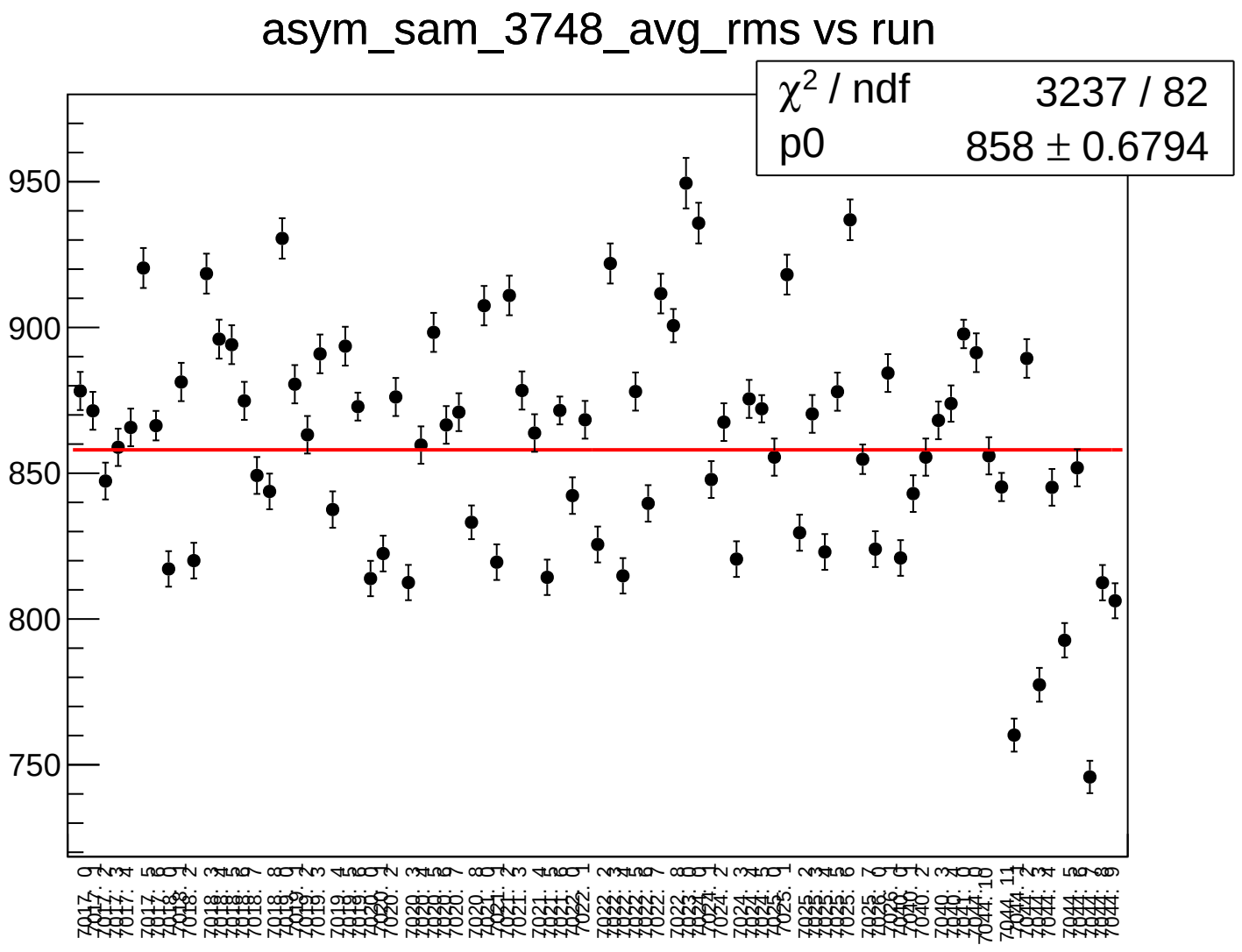
dit_asym_sam_3748_avg_rms vs run

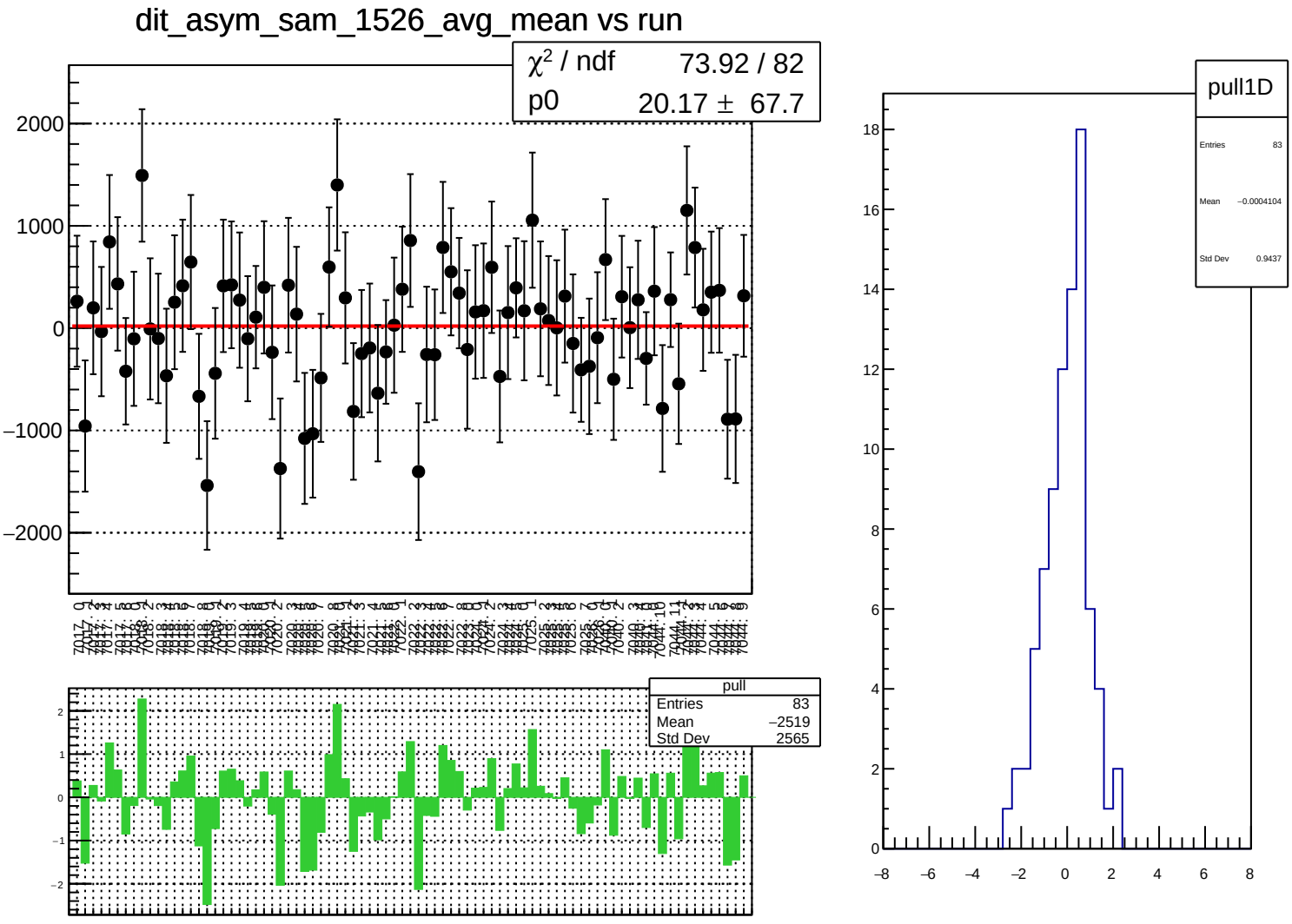



asym_sam_3748_avg_correction_mean vs run
χ² / ndf 74.7 / 82
p0 799.9 ± 977.2
pull
Entries 83
Mean −485.5
Std Dev 526
pull1D
Entries 83
Mean 0.008058
Std Dev 0.9486

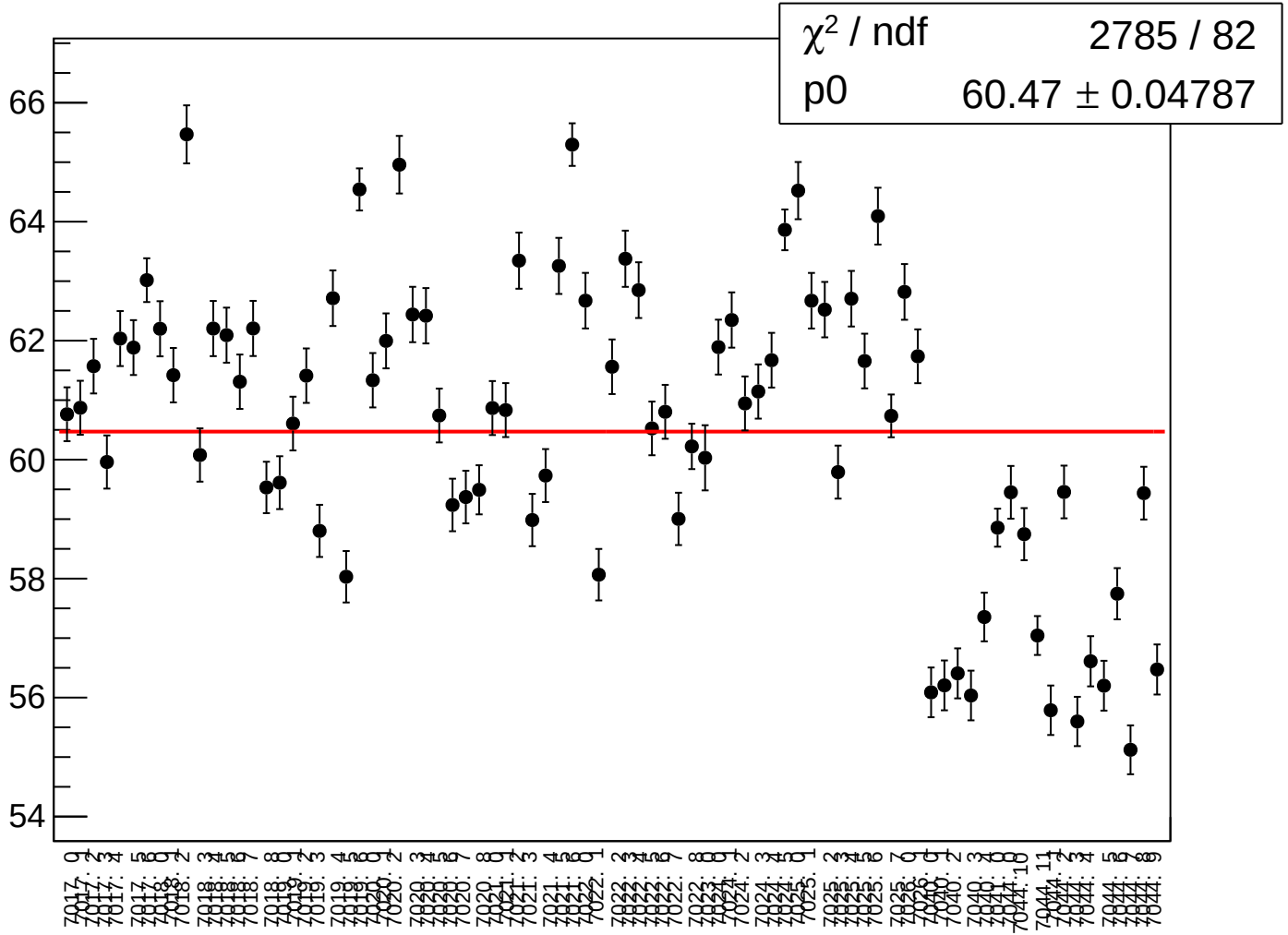

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2196 / 82
p0 873 ± 0.691
950
900
850
800
750

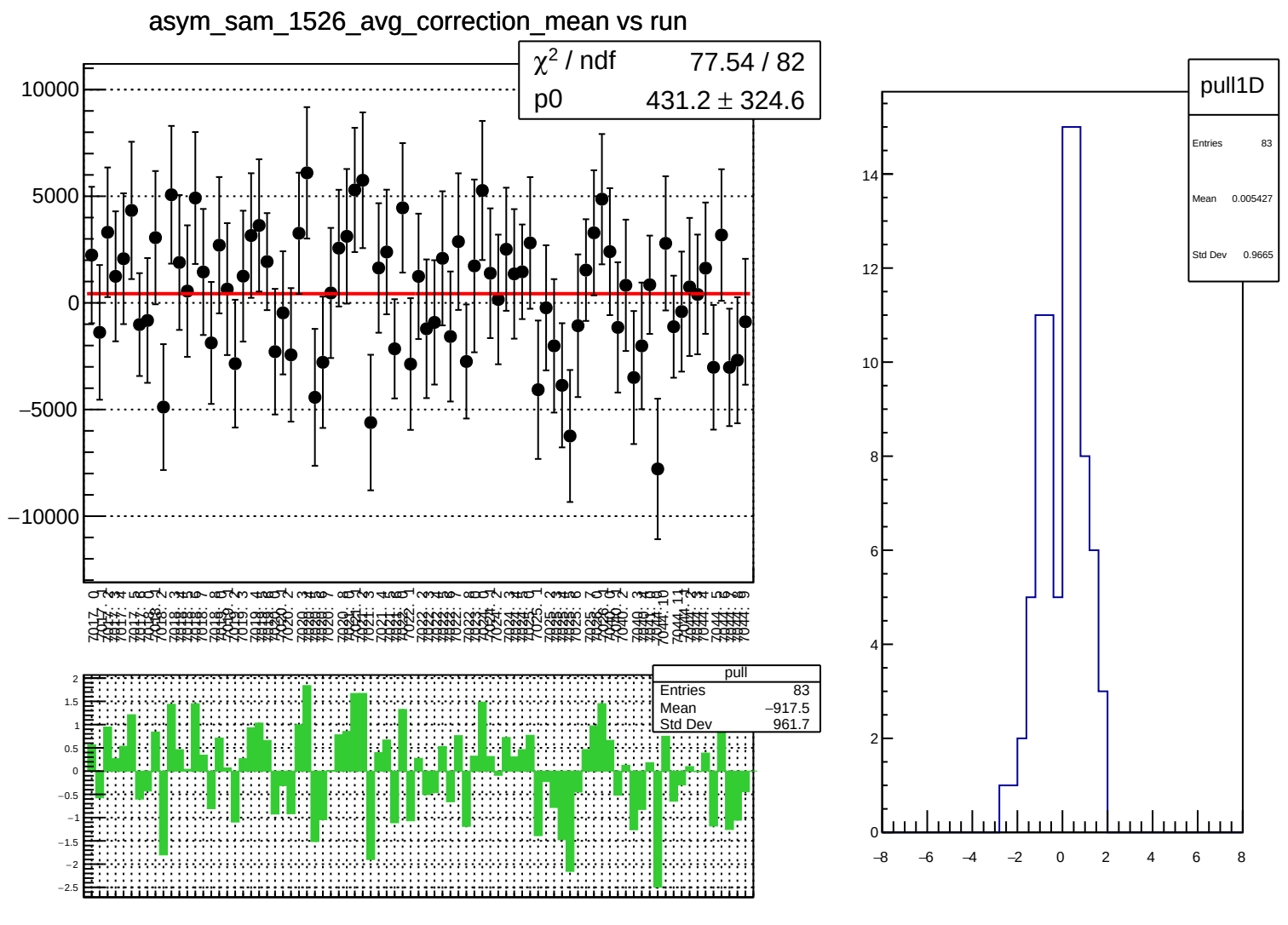

asym_sam_3748_avg_mean vs run
χ² / ndf 76.51 / 82
p0 −739.8 ± 960.7
pull
Entries 83
Mean −466.3
Std Dev 505.8
pull1D
Entries 83
Mean −0.008812
Std Dev 0.9601

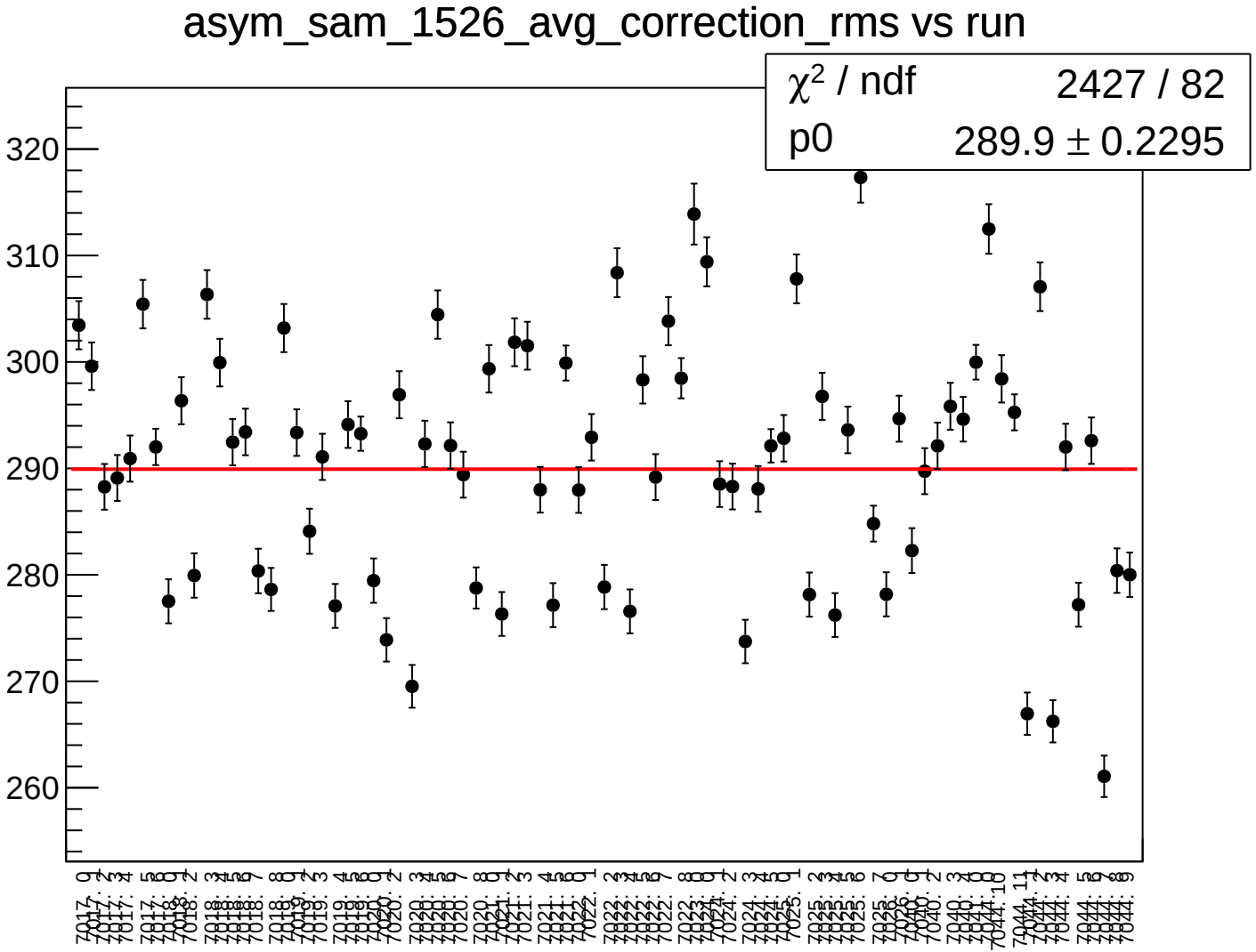

asym_sam_3748_avg_rms vs run
χ² / ndf 3237 / 82
p0 858 ± 0.6794
950
900
850
800
750

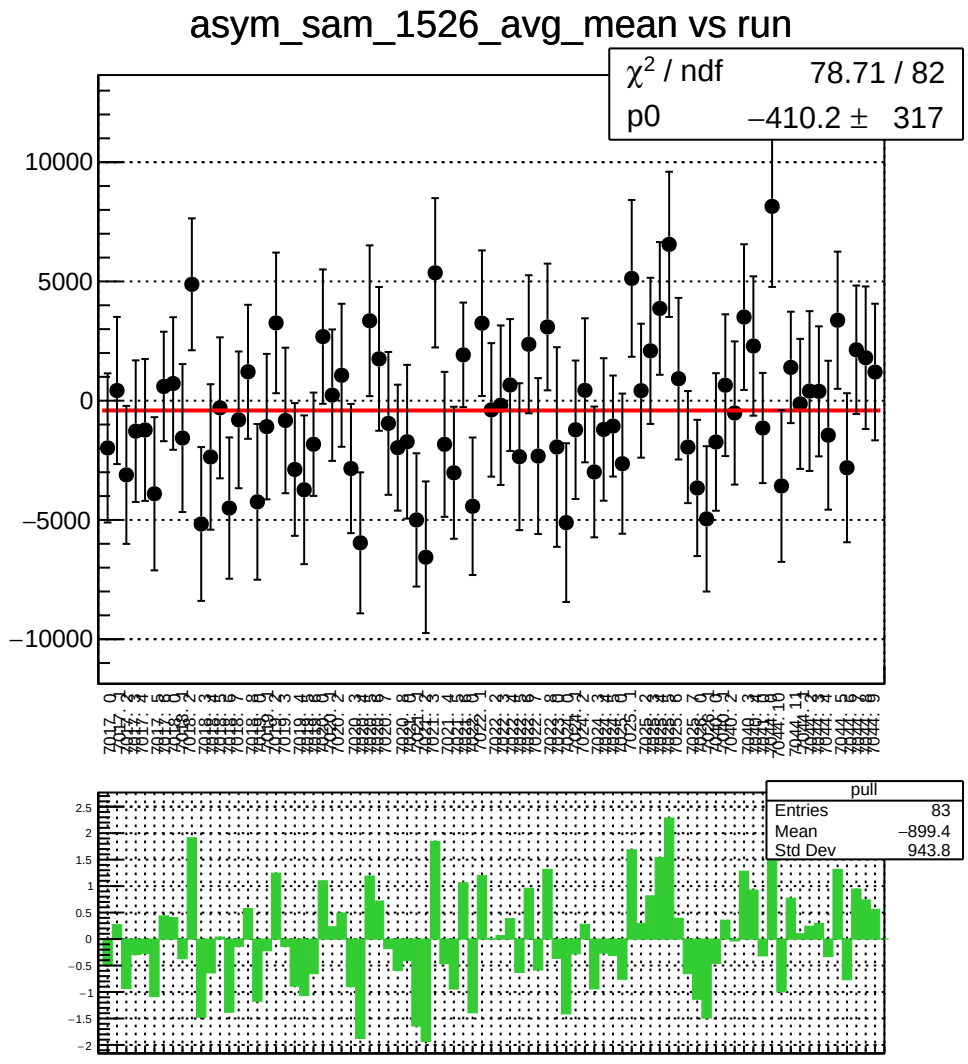

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 73.92 / 82
p0 20.17 ± 67.7
2000
1000
0
−1000
−2000
pull
Entries 83
Mean −2519
Std Dev 2565
pull1D
Entries 83
Mean −0.0004104
Std Dev 0.9437
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

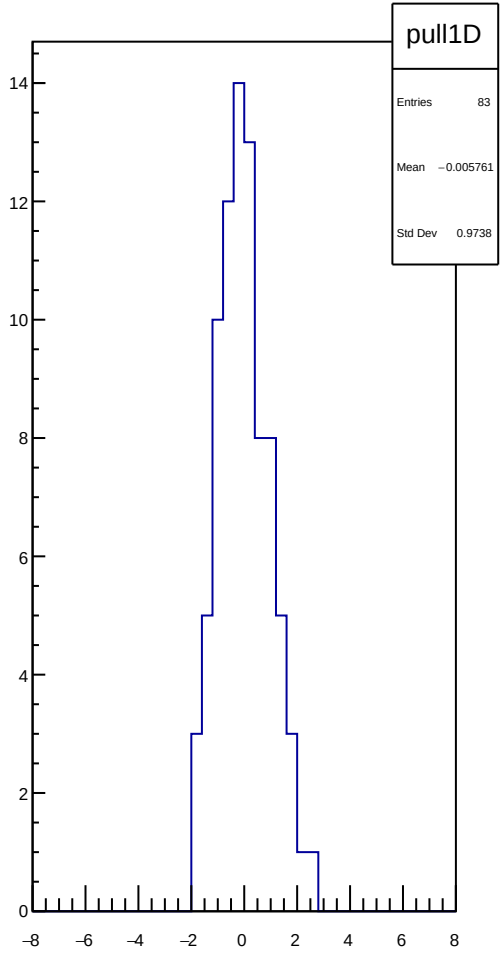
dit_asym_sam_1526_avg_rms vs run

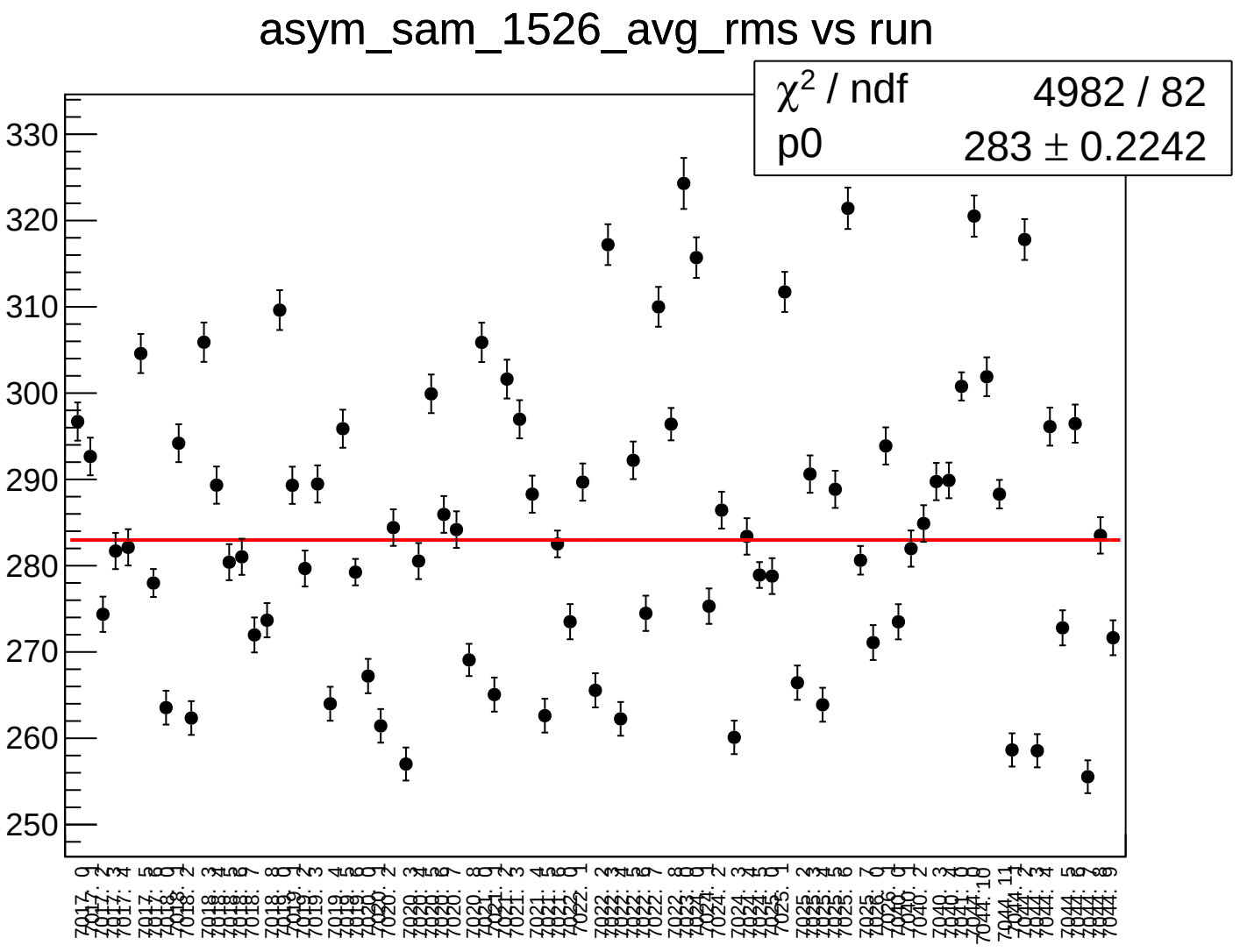


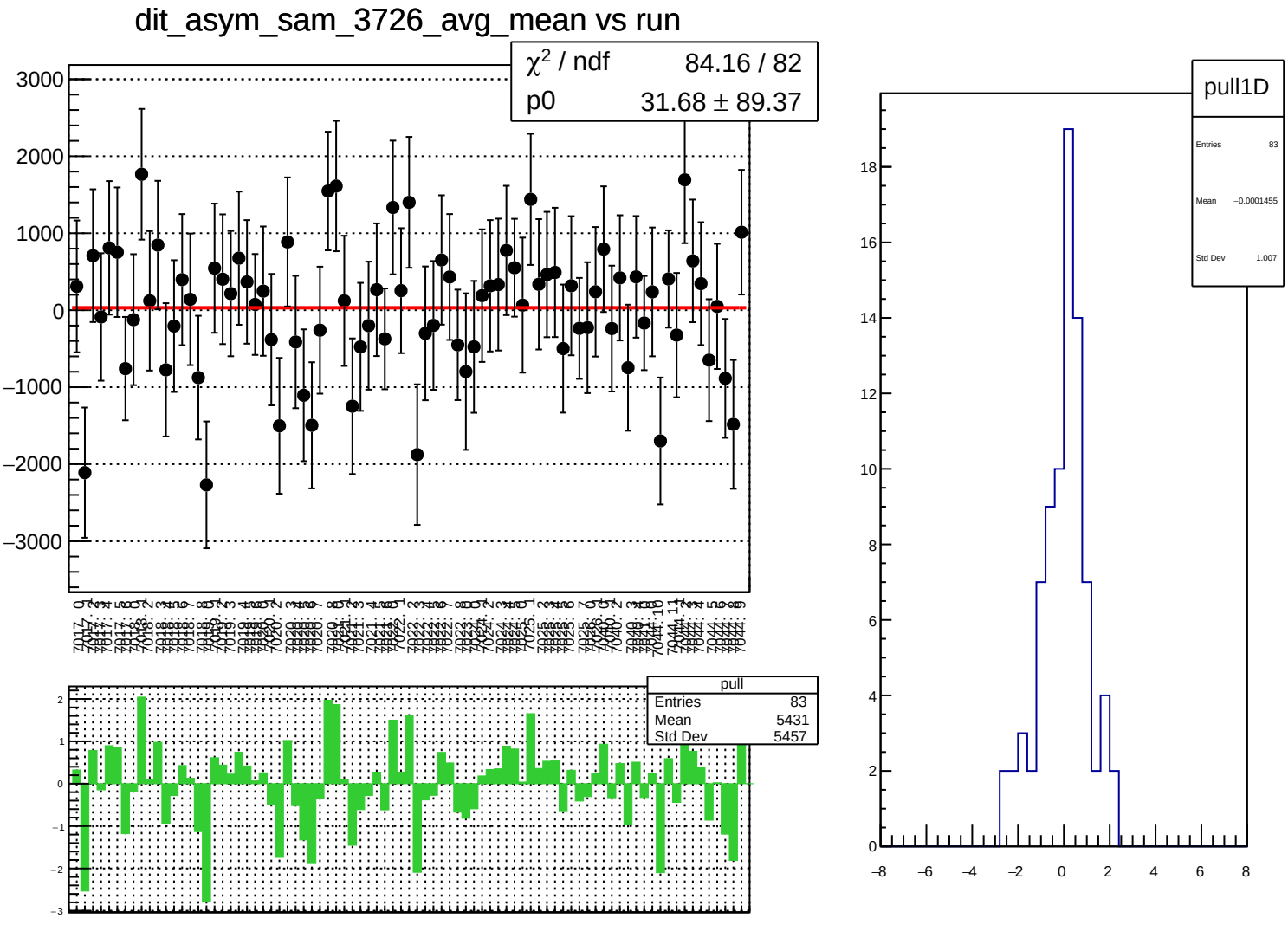

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 77.54 / 82
p0 431.2 ± 324.6
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −917.5
Std Dev 961.7
pull1D
Entries 83
Mean 0.005427
Std Dev 0.9665

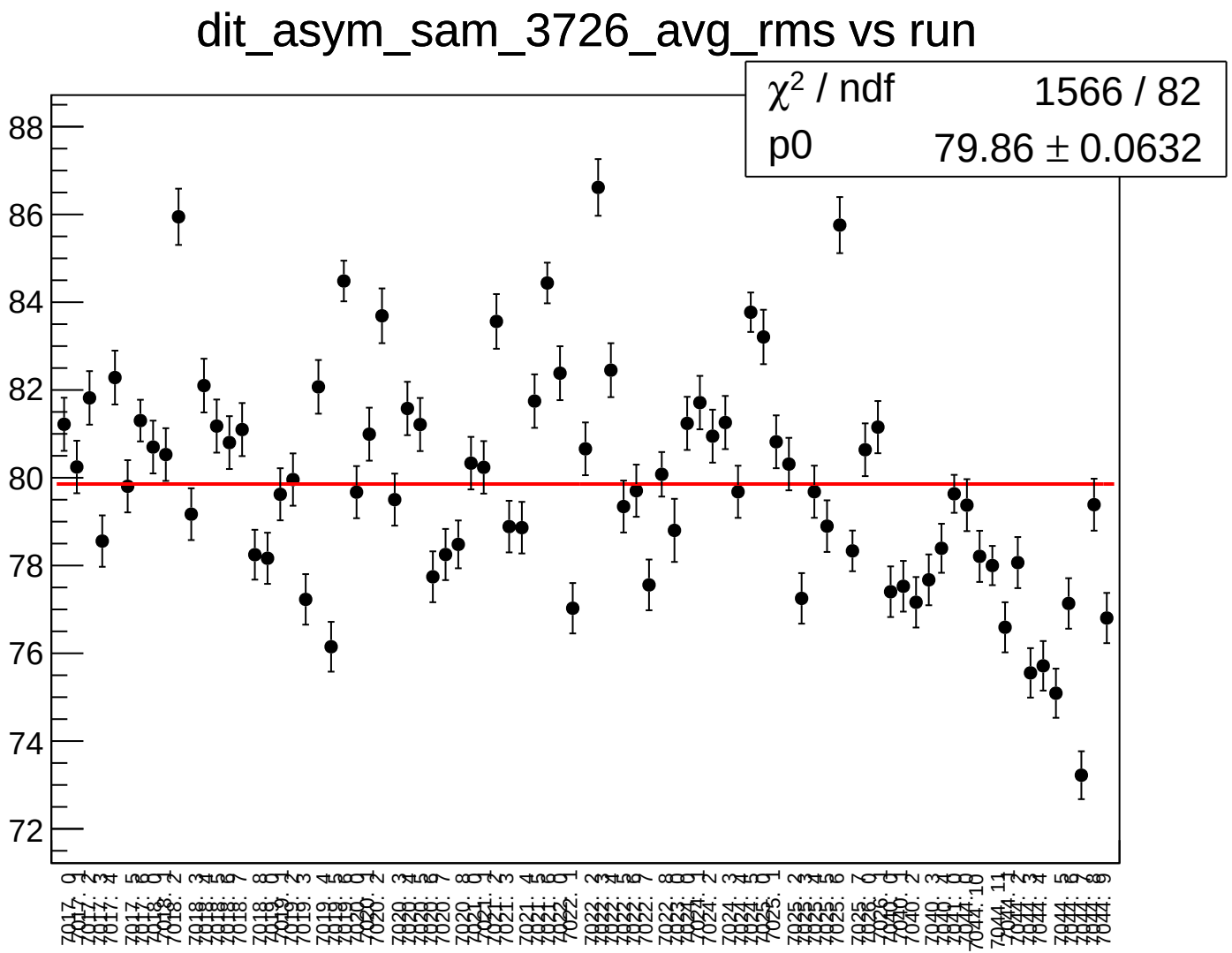

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2427 / 82
p0 289.9 ± 0.2295
320
310
300
290
280
270
260

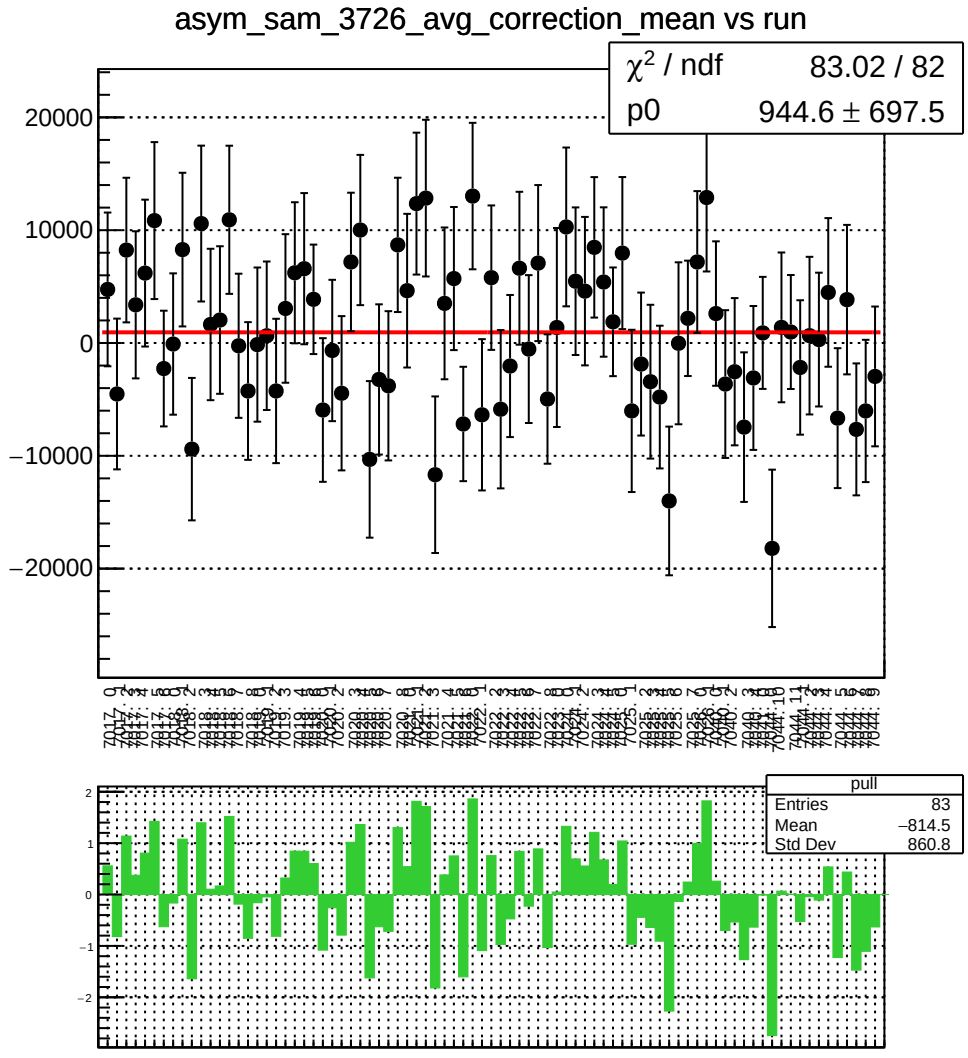

asym_sam_1526_avg_mean vs run
χ² / ndf 78.71 / 82
p0 −410.2 ± 317
pull
Entries 83
Mean −899.4
Std Dev 943.8

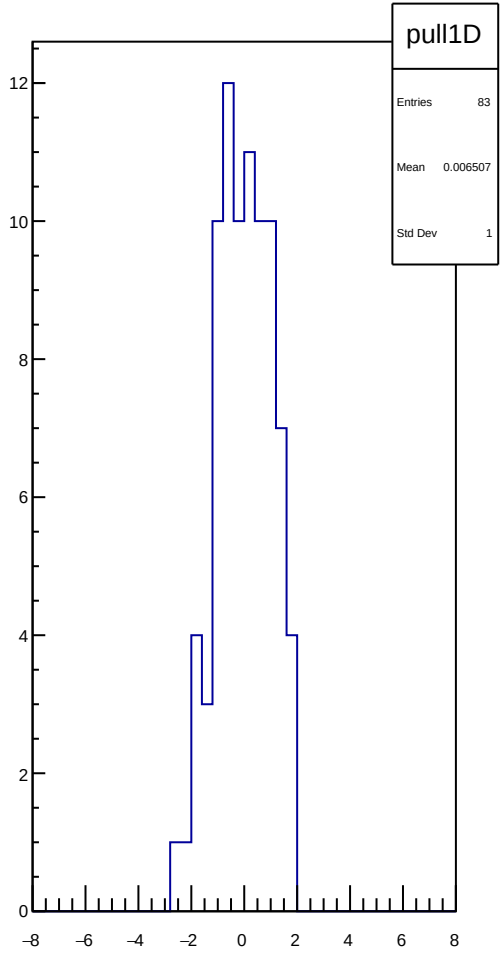

pull1D
Entries 83
Mean −0.005761
Std Dev 0.9738

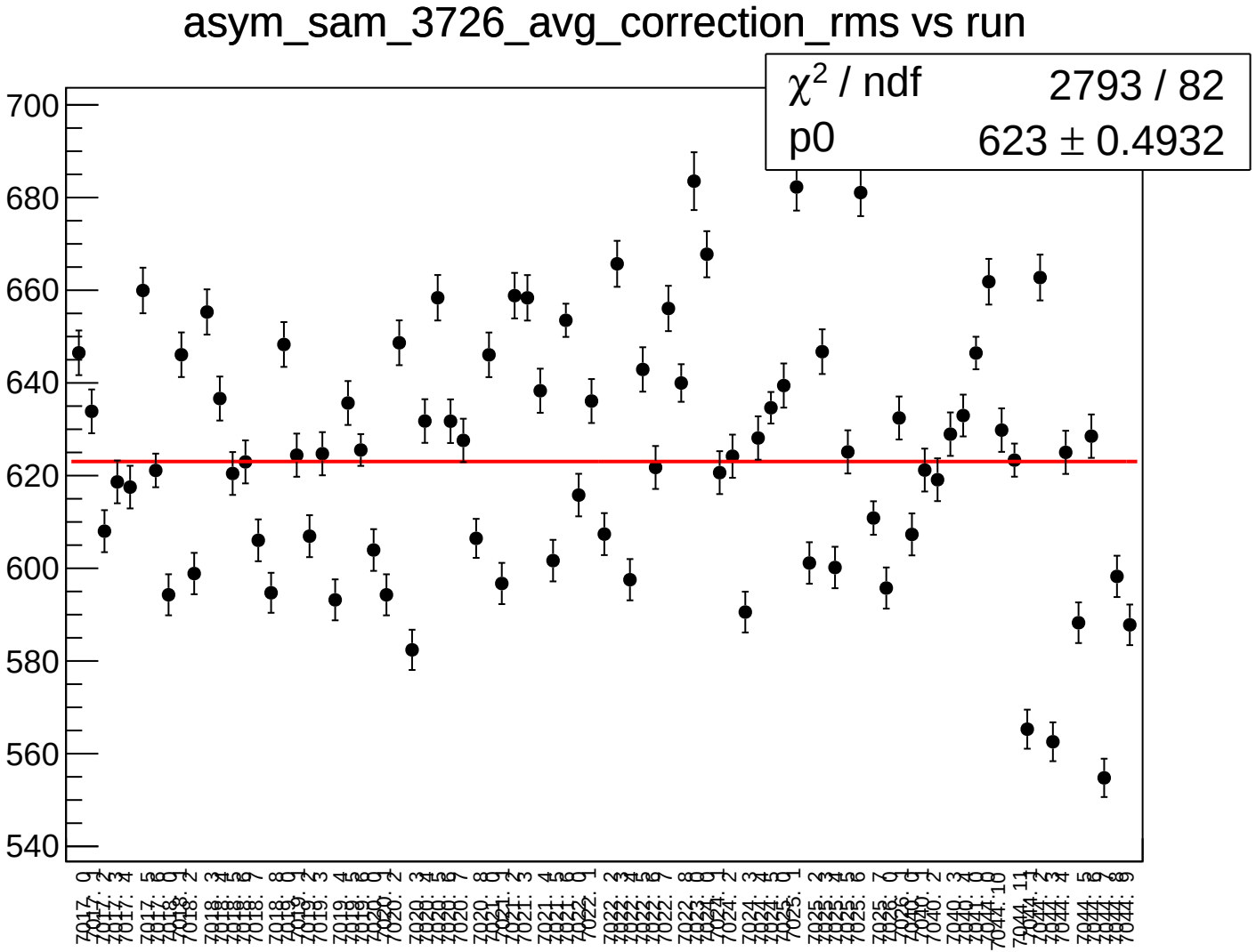

asym_sam_1526_avg_rms vs run
χ2 / ndf 4982 / 82
p0 283 ± 0.2242
330
320
310
300
290
280
270
260
250

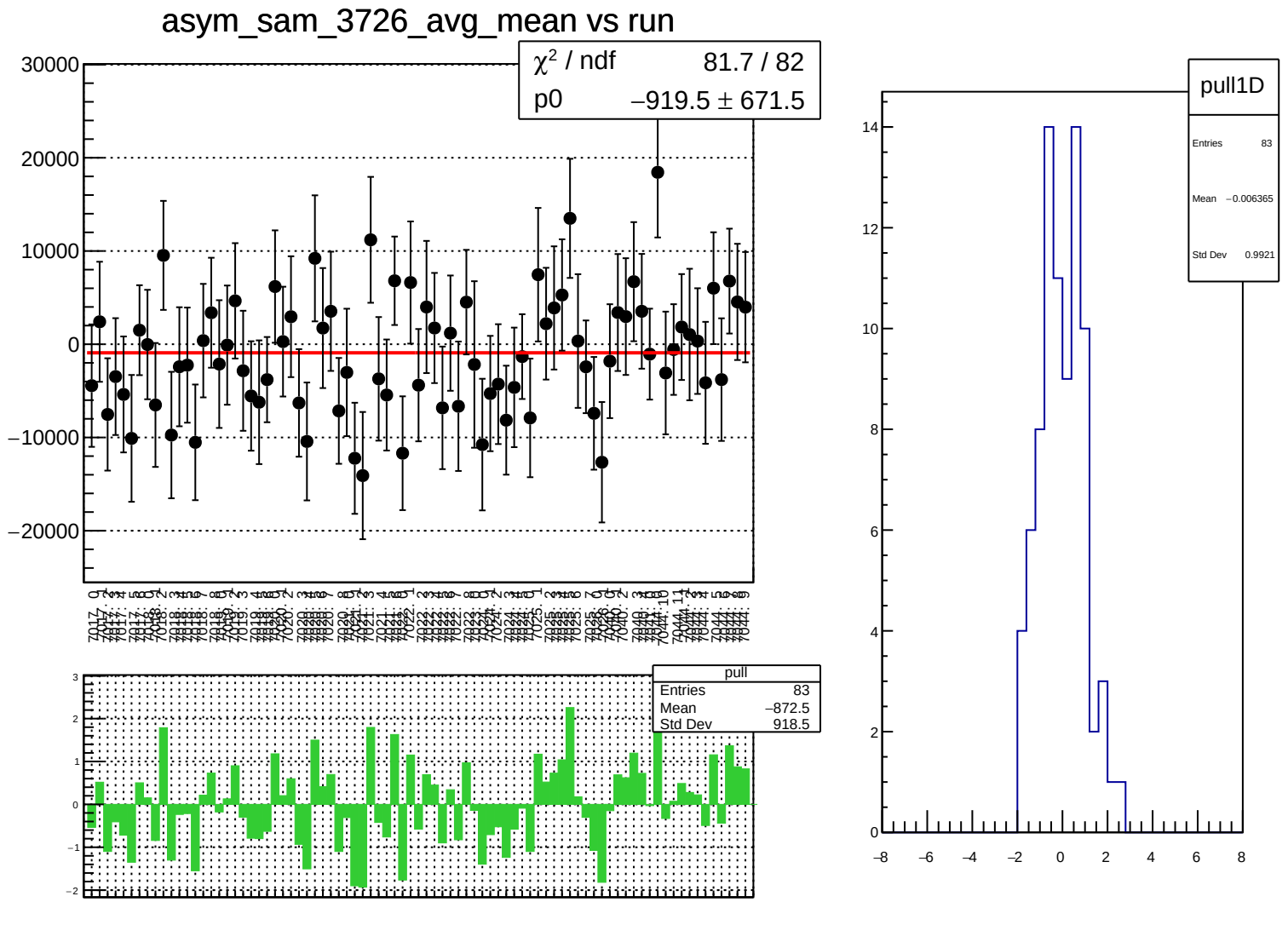

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 84.16 / 82
p0 31.68 ± 89.37
pull
Entries 83
Mean −5431
Std Dev 5457
pull1D
Entries 83
Mean −0.0001455
Std Dev 1.007

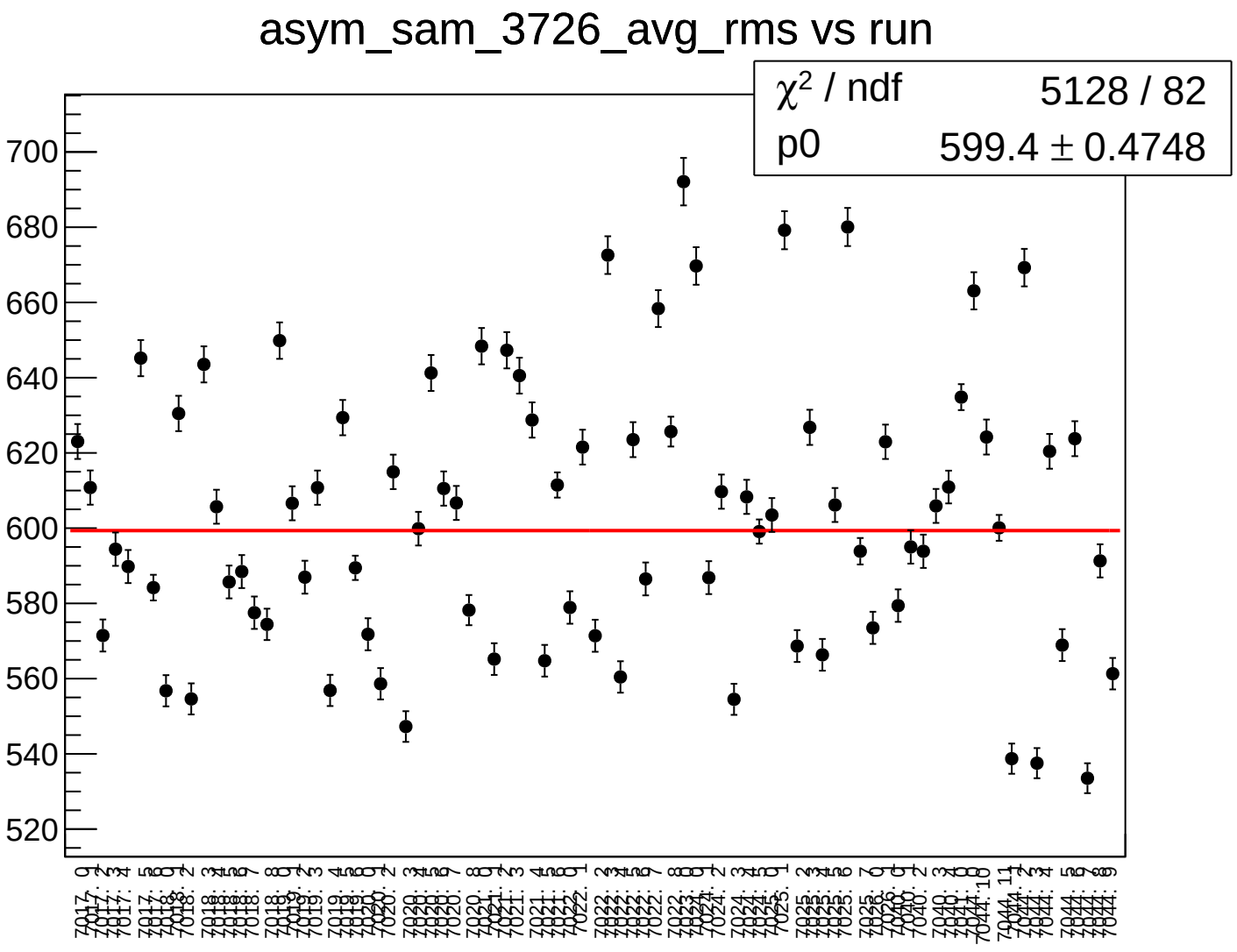

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1566 / 82
p0 79.86 ± 0.0632
88
86
84
82
80
78
76
74
72

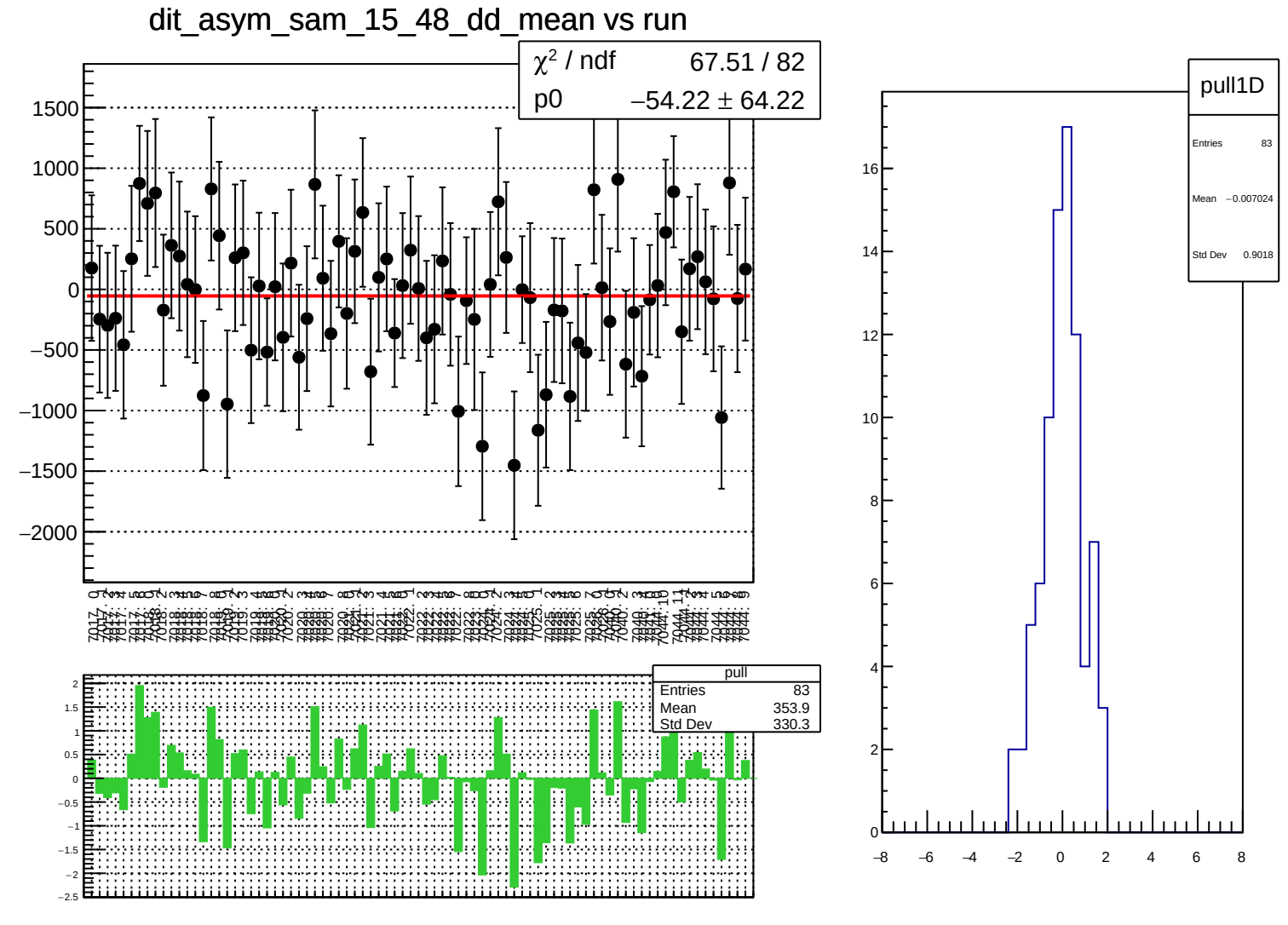

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 83.02 / 82
p0 944.6 ± 697.5
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −814.5
Std Dev 860.8
2
1
0
−1
−2


pull1D
Entries 83
Mean 0.006507
Std Dev 1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

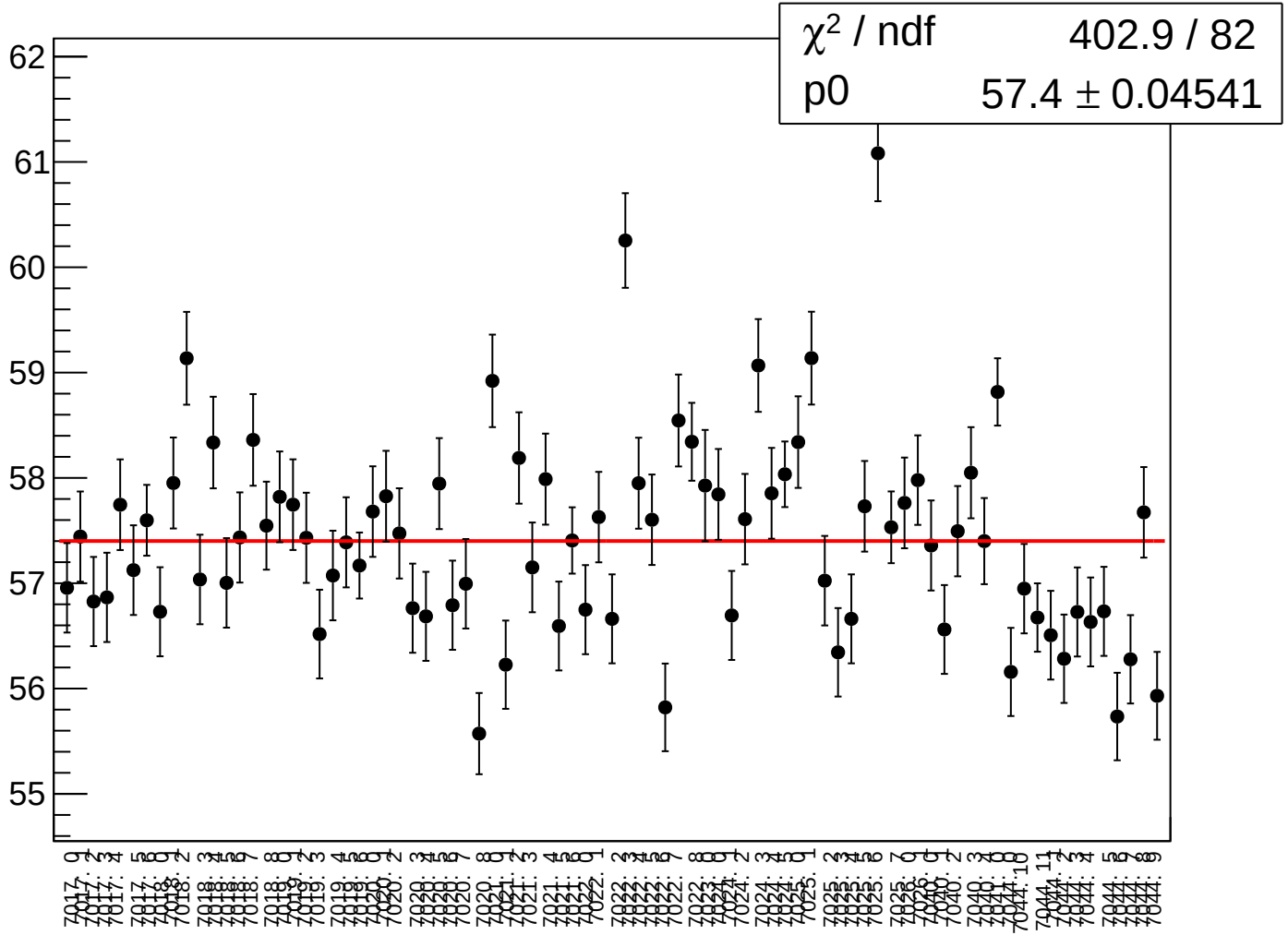

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2793 / 82
p0 623 ± 0.4932
700
680
660
640
620
600
580
560
540

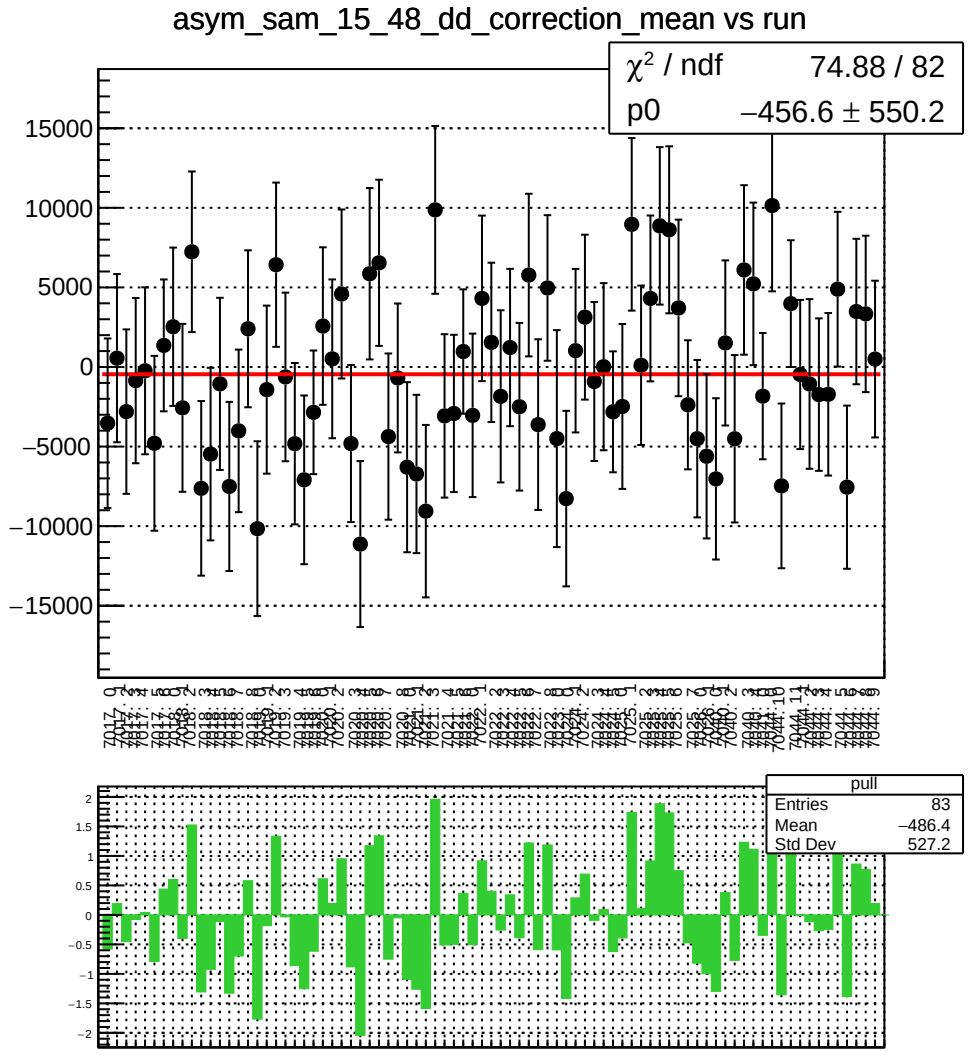

asym_sam_3726_avg_mean vs run
χ² / ndf 81.7 / 82
p0 −919.5 ± 671.5
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −872.5
Std Dev 918.5
3
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.006365
Std Dev 0.9921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

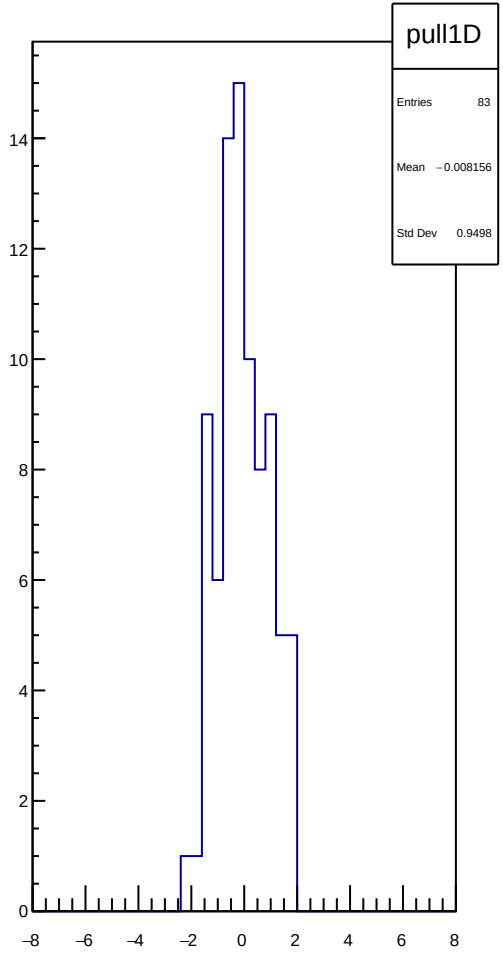

asym_sam_3726_avg_rms vs run
χ² / ndf 5128 / 82
p0 599.4 ± 0.4748
700
680
660
640
620
600
580
560
540
520

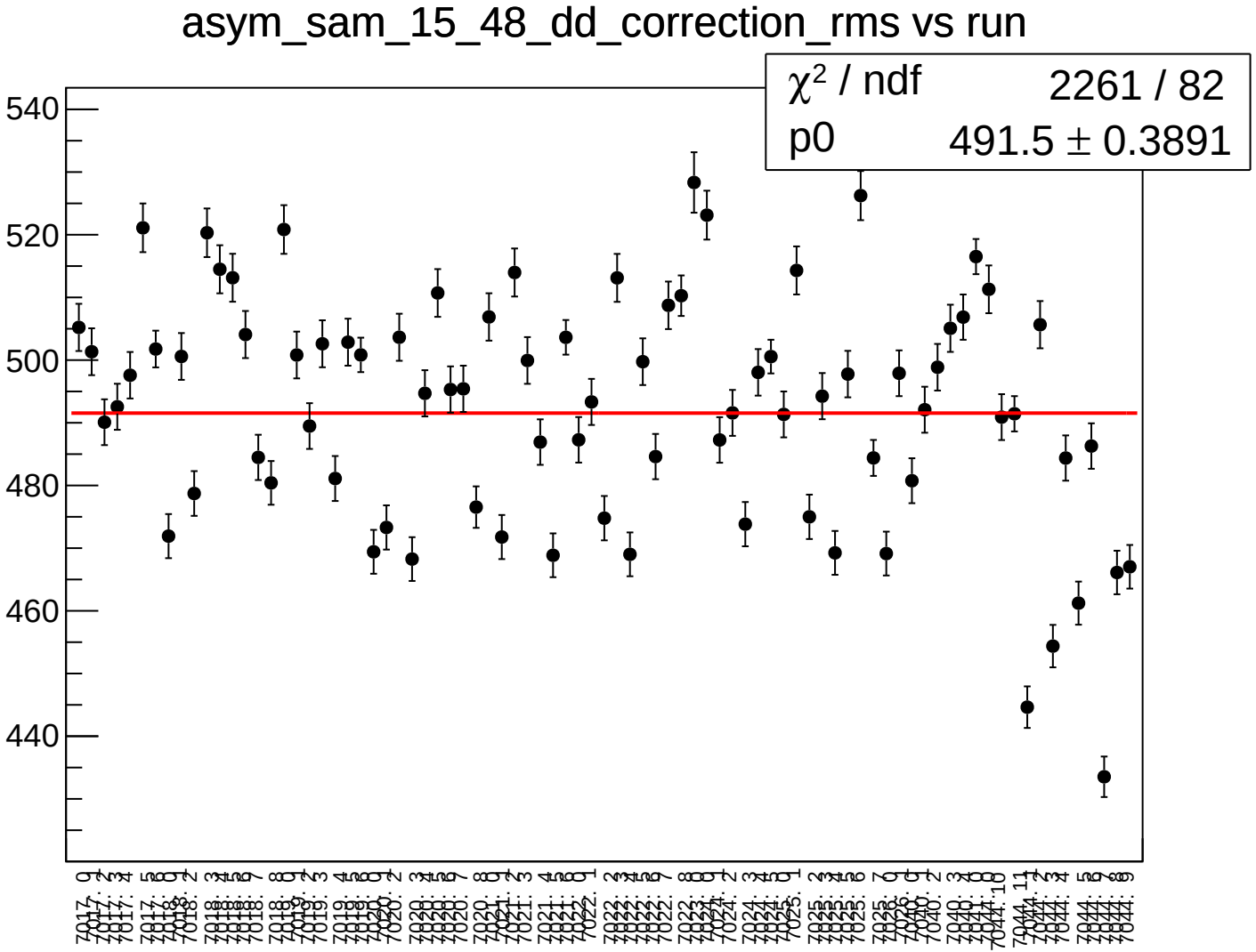

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 67.51 / 82
p0 −54.22 ± 64.22
pull
Entries 83
Mean 353.9
Std Dev 330.3
pull1D
Entries 83
Mean −0.007024
Std Dev 0.9018

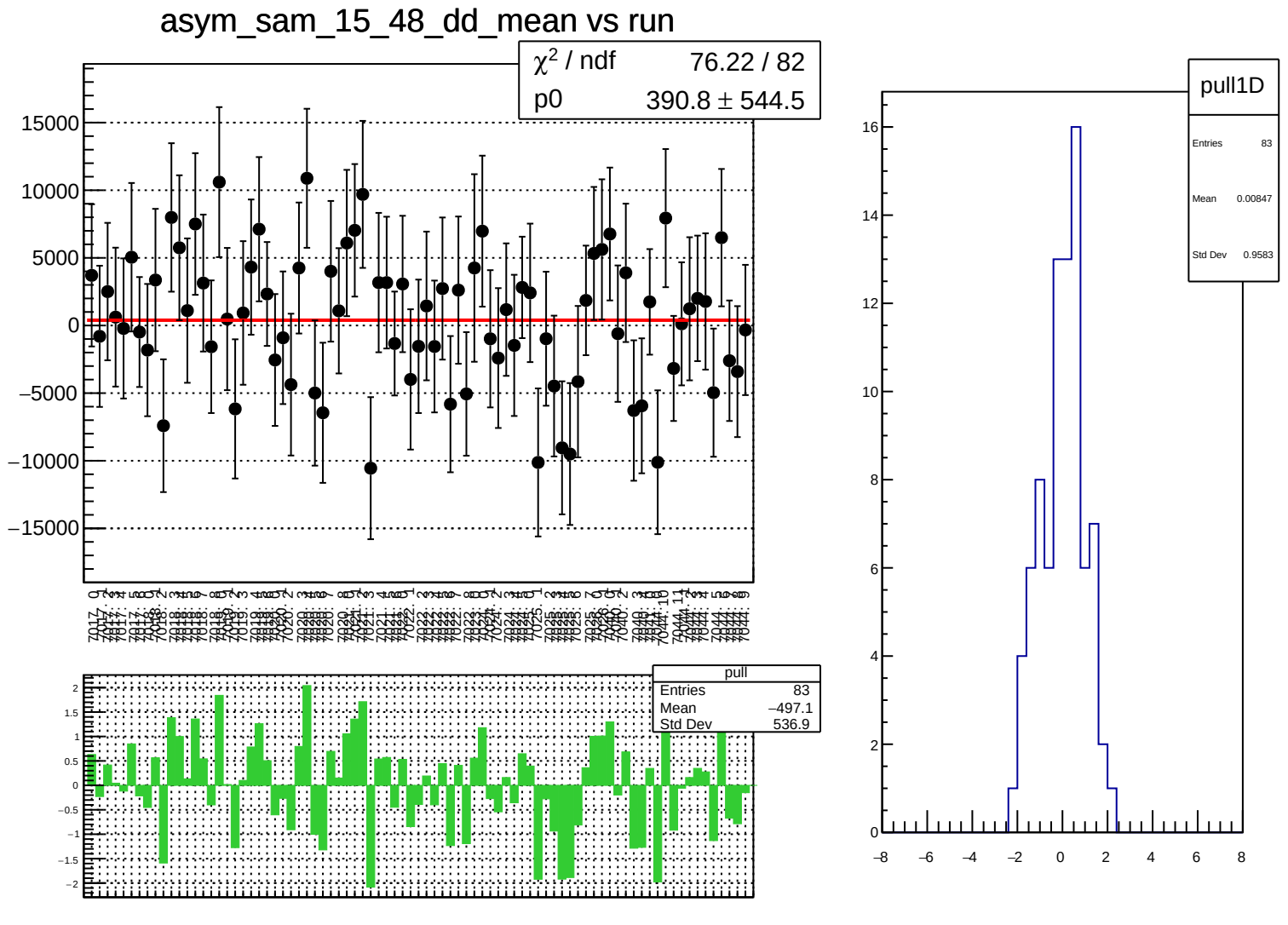
dit_asym_sam_15_48_dd_rms vs run

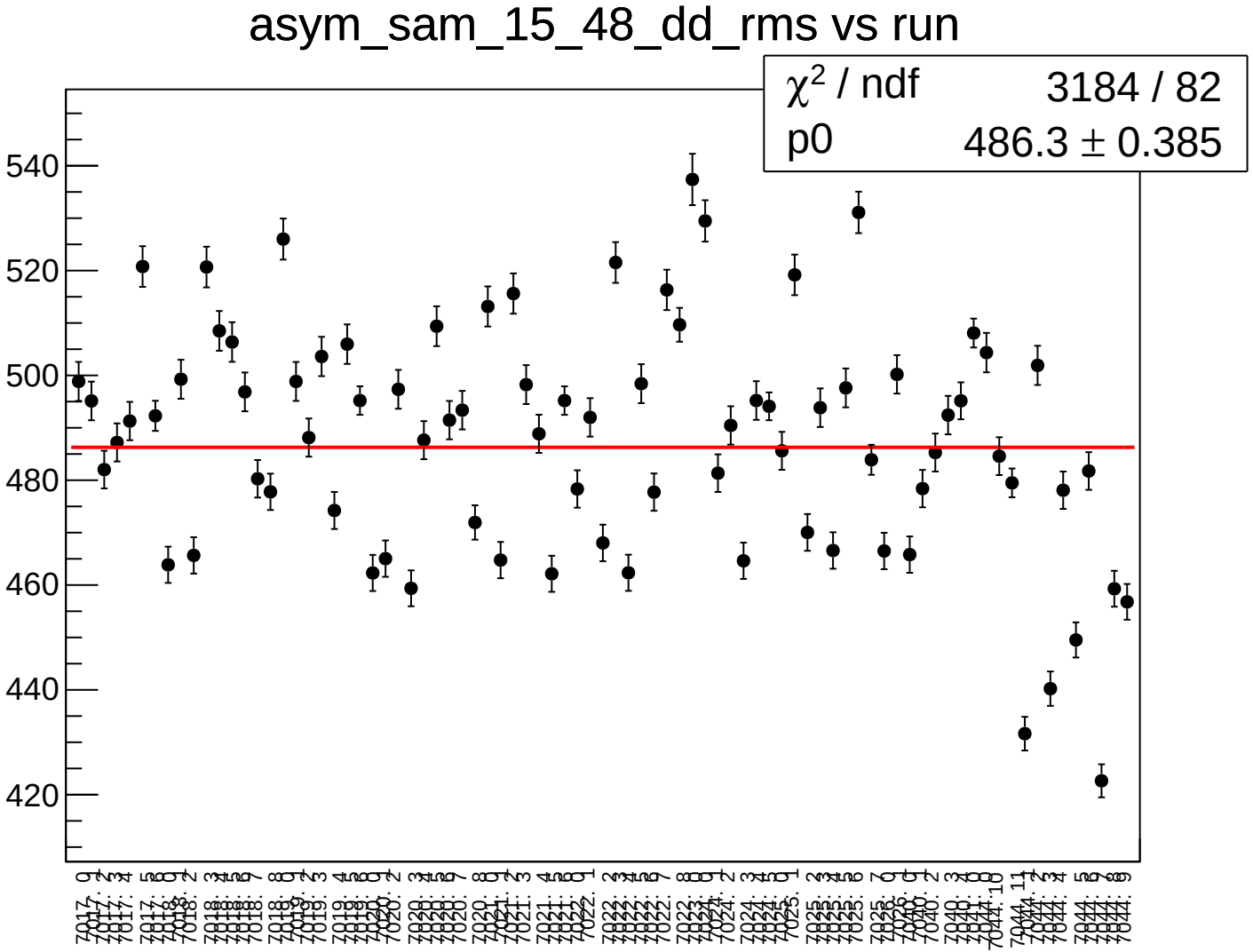


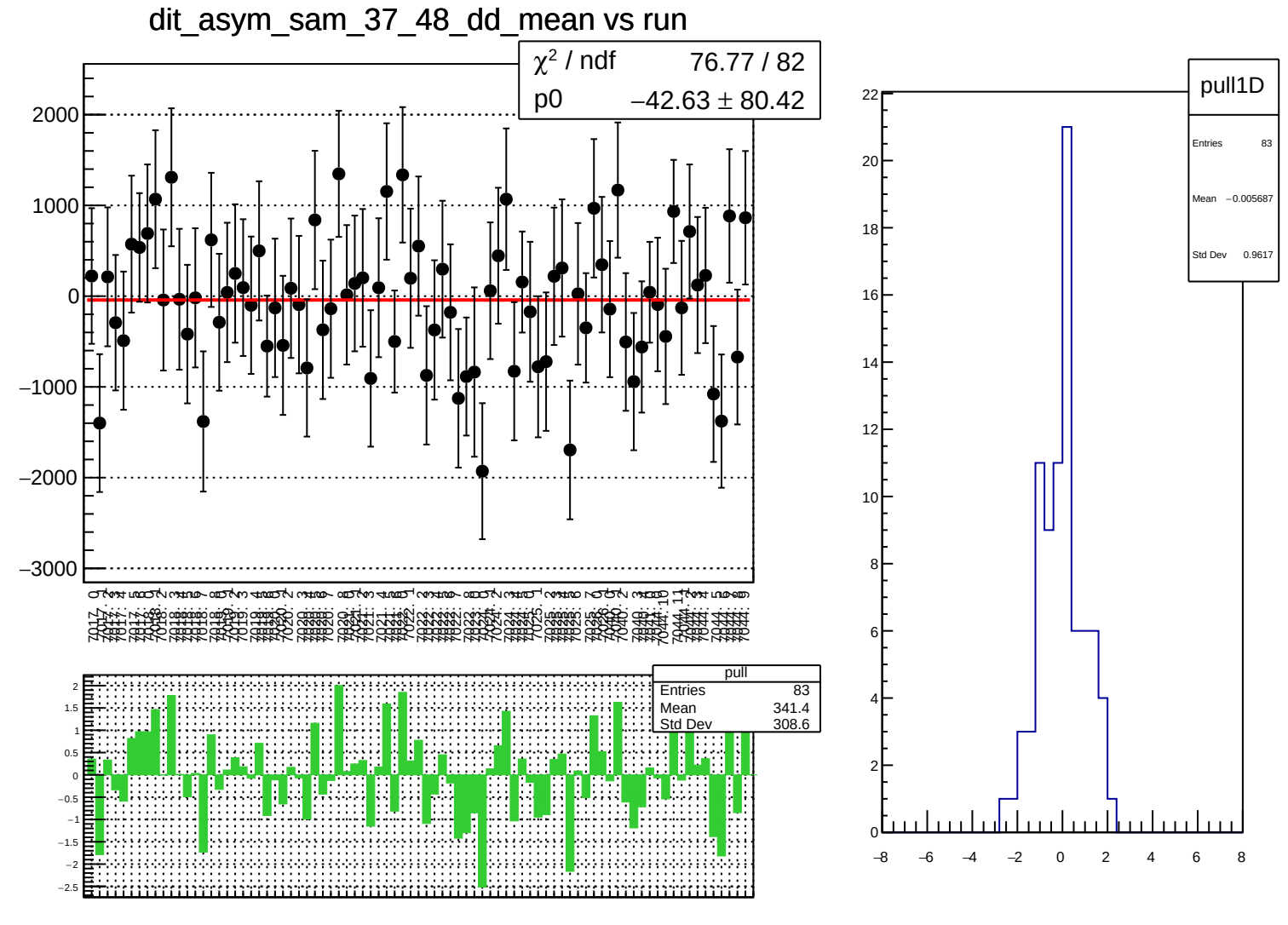

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 74.88 / 82
p0 −456.6 ± 550.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −486.4
Std Dev 527.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

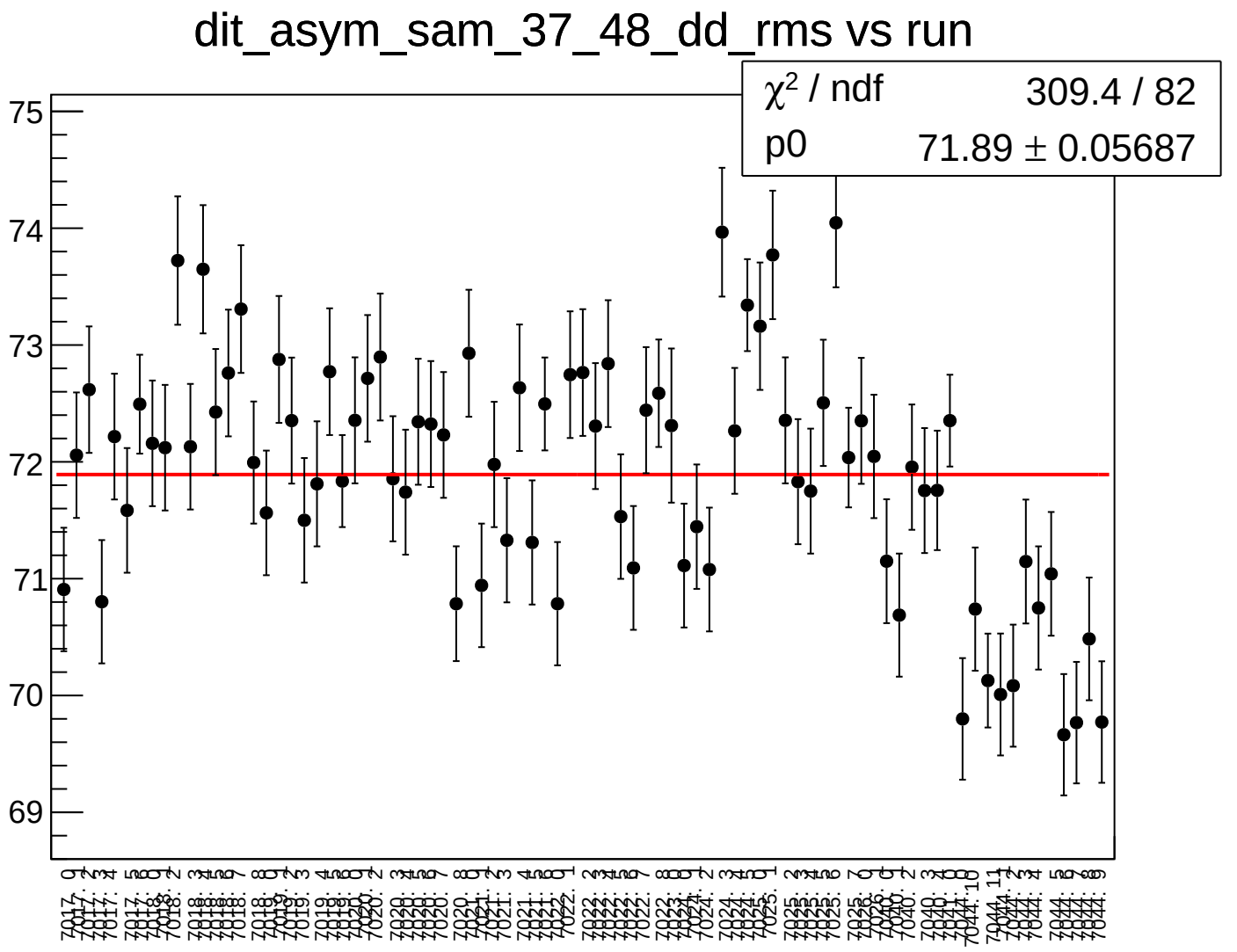

pull1D
Entries 83
Mean −0.008156
Std Dev 0.9498
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

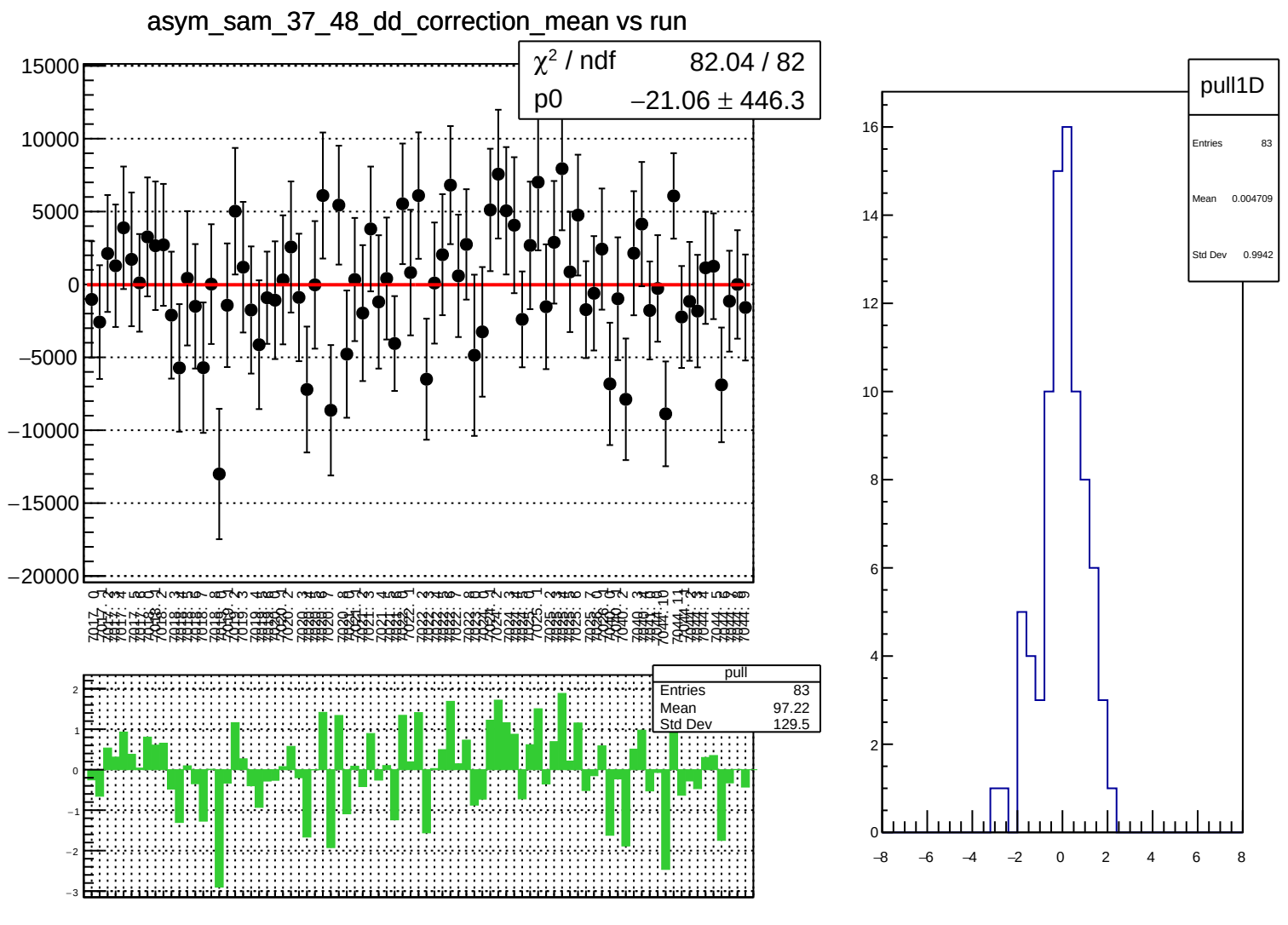

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2261 / 82
p0 491.5 ± 0.3891
540
520
500
480
460
440

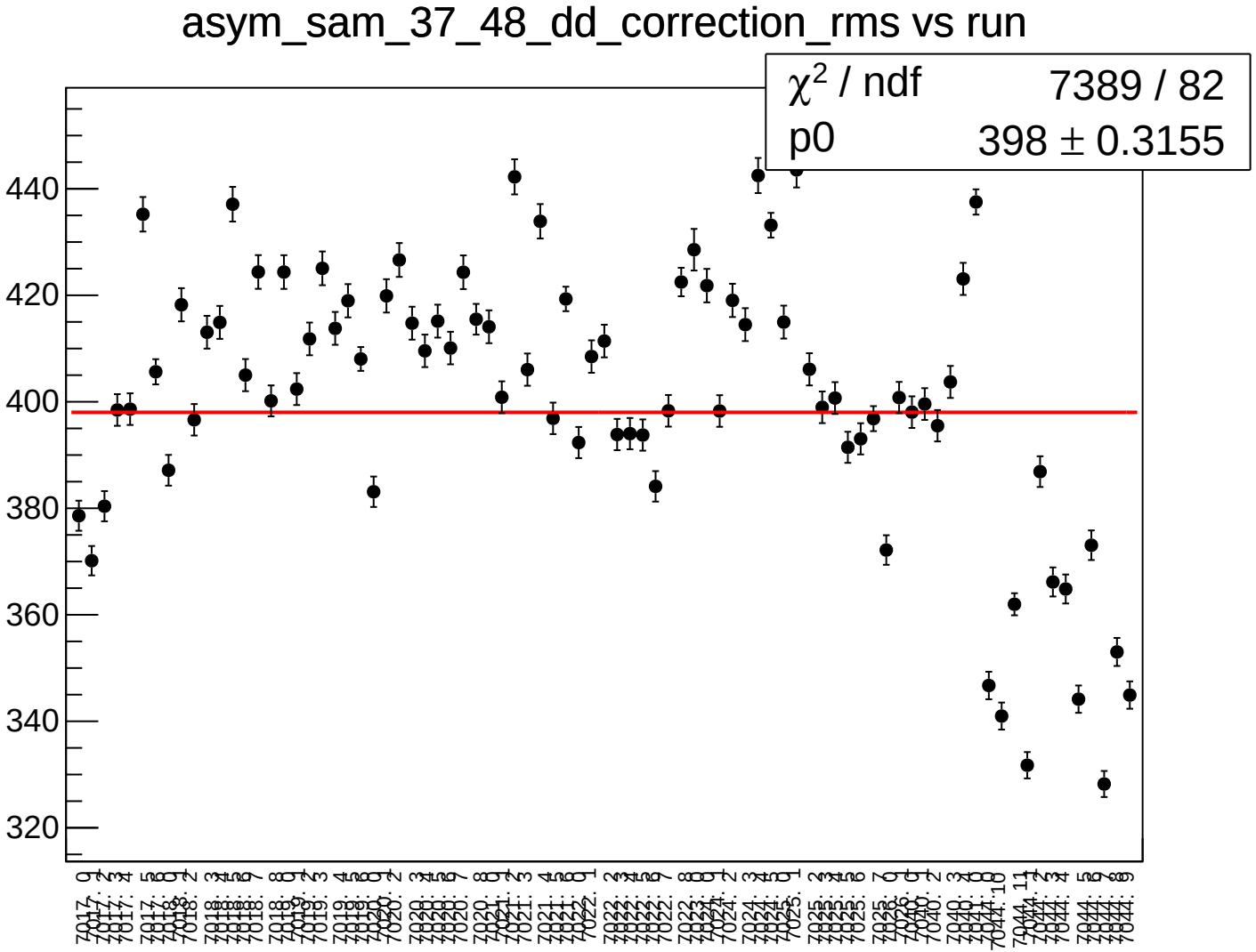

asym_sam_15_48_dd_mean vs run
χ² / ndf 76.22 / 82
p0 390.8 ± 544.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −497.1
Std Dev 536.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 0.00847
Std Dev 0.9583
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

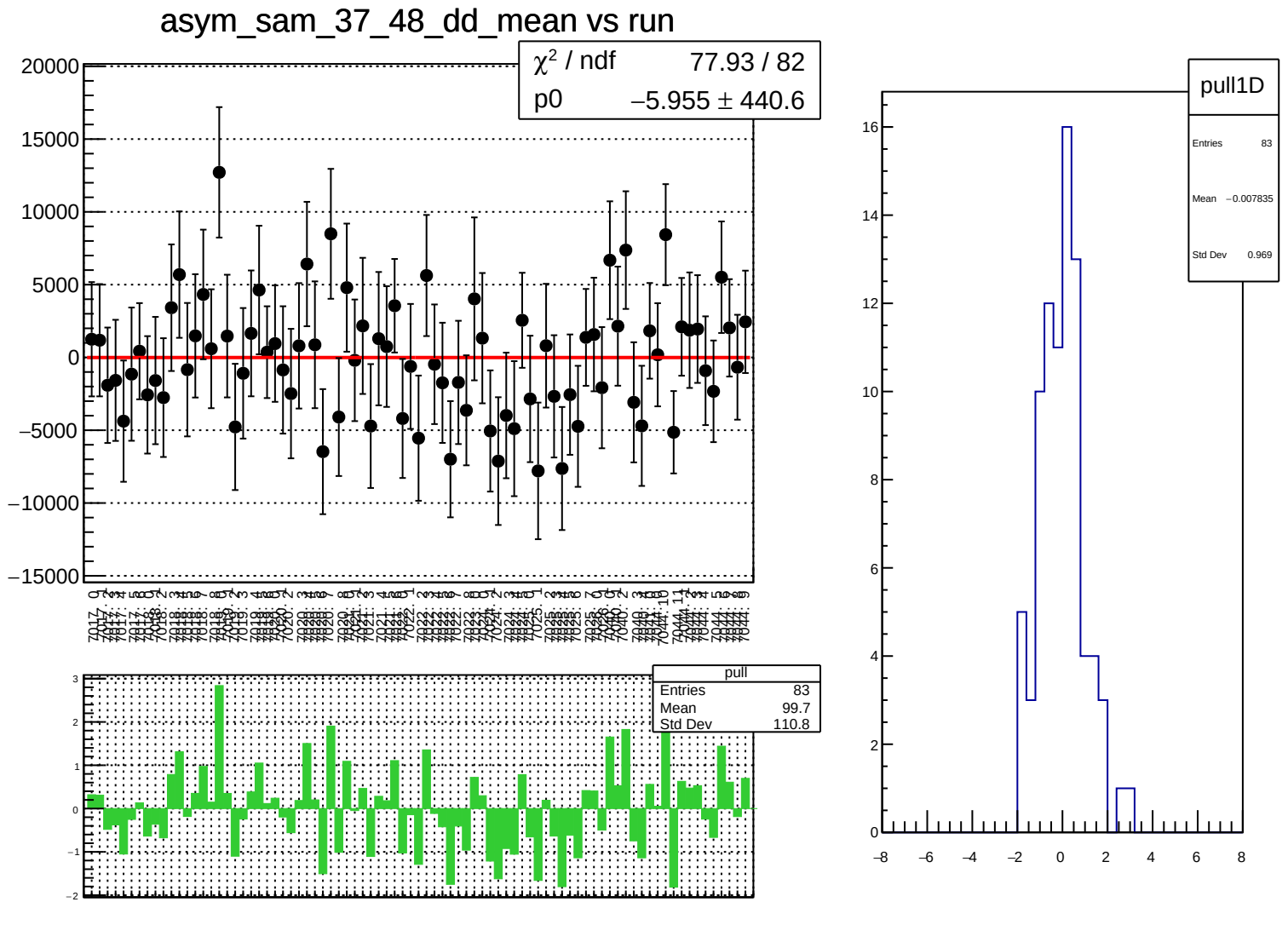

asym_sam_15_48_dd_rms vs run
χ2 / ndf 3184 / 82
p0 486.3 ± 0.385
540
520
500
480
460
440
420

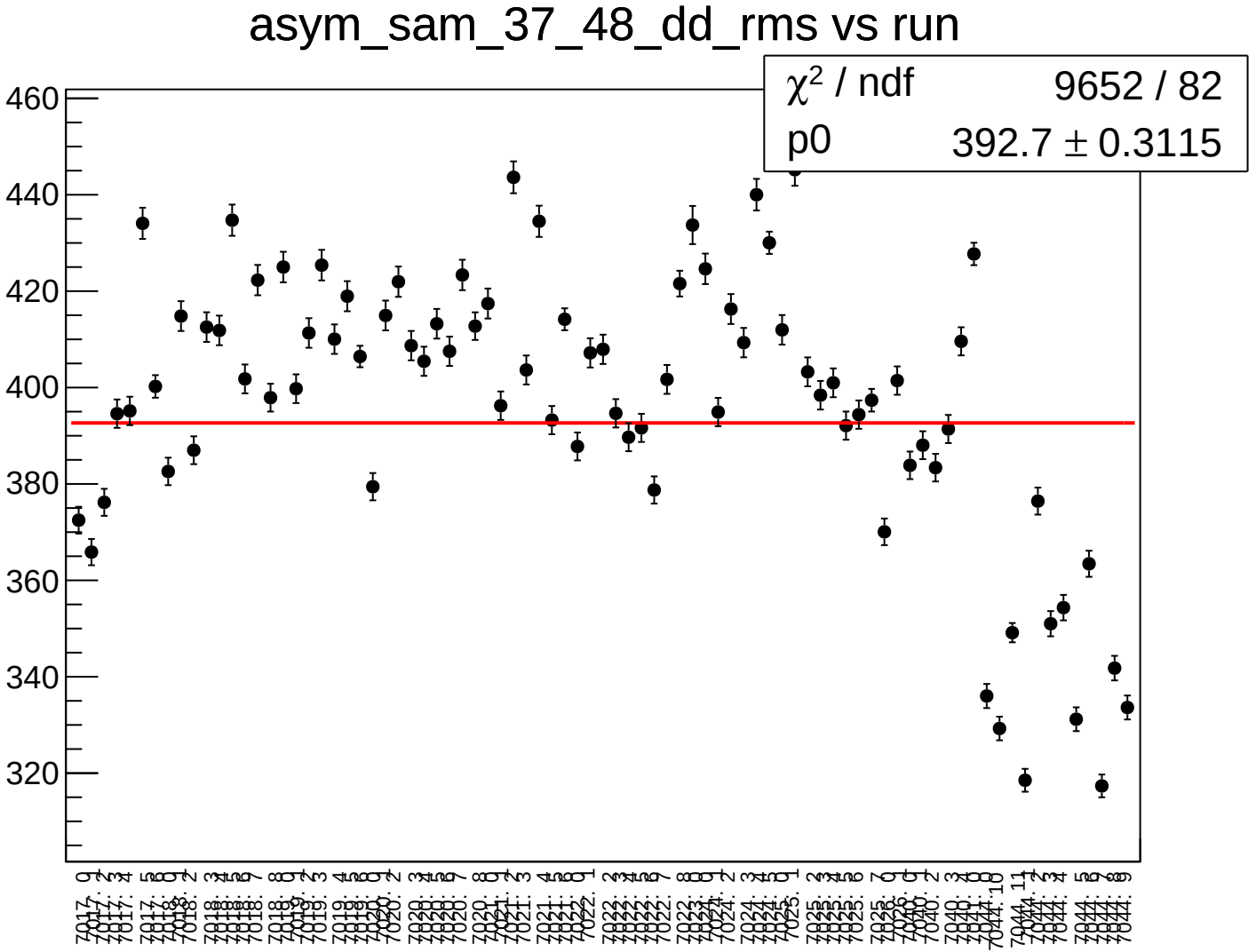

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 76.77 / 82
p0 −42.63 ± 80.42
pull
Entries 83
Mean 341.4
Std Dev 308.6
pull1D
Entries 83
Mean −0.005687
Std Dev 0.9617

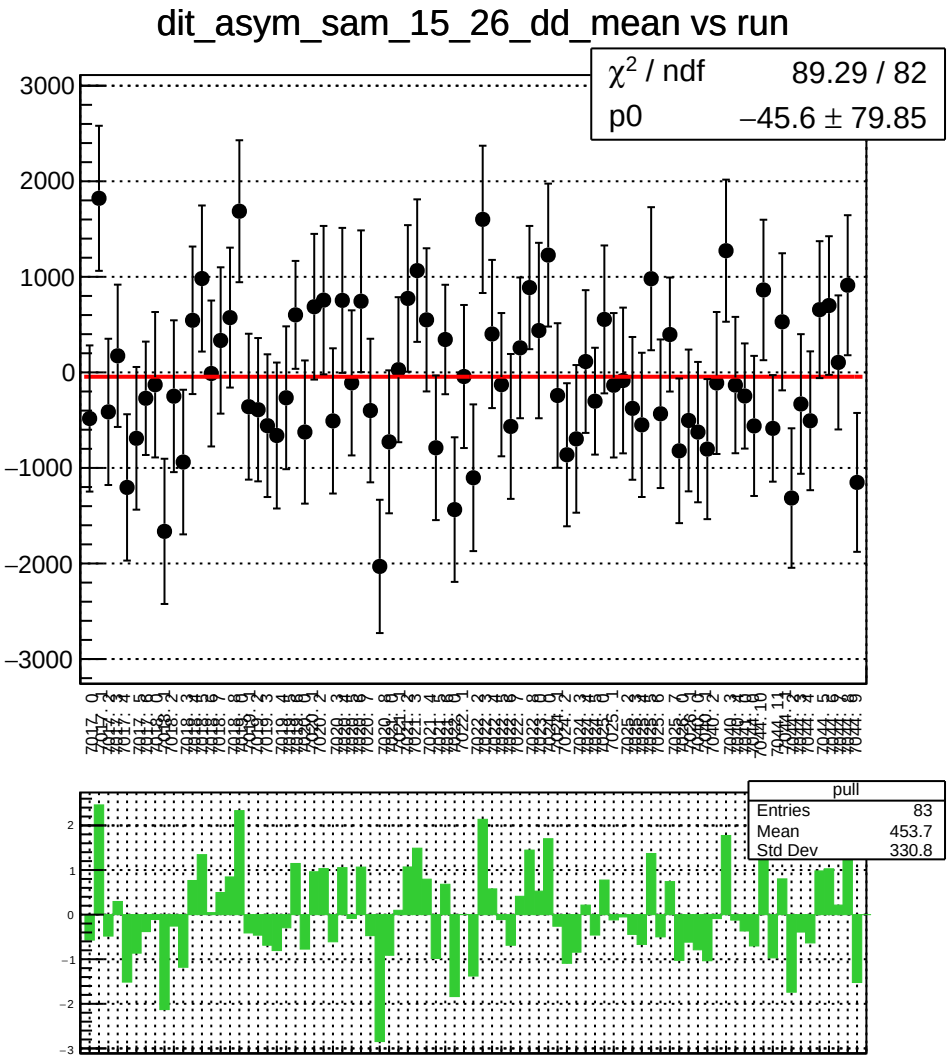

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 309.4 / 82
p0 71.89 ± 0.05687
75
74
73
72
71
70
69

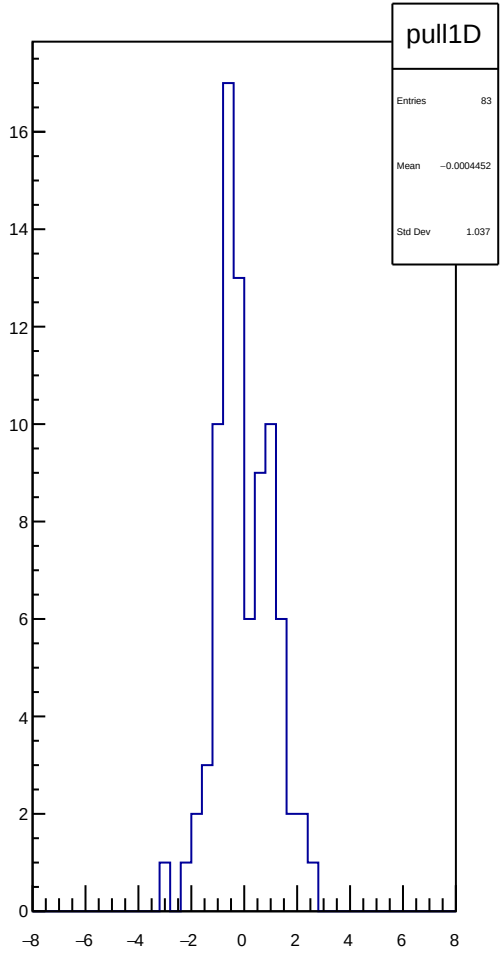

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 82.04 / 82
p0 −21.06 ± 446.3
pull
Entries 83
Mean 97.22
Std Dev 129.5
pull1D
Entries 83
Mean 0.004709
Std Dev 0.9942


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 7389 / 82
p0 398 ± 0.3155
440
420
400
380
360
340
320

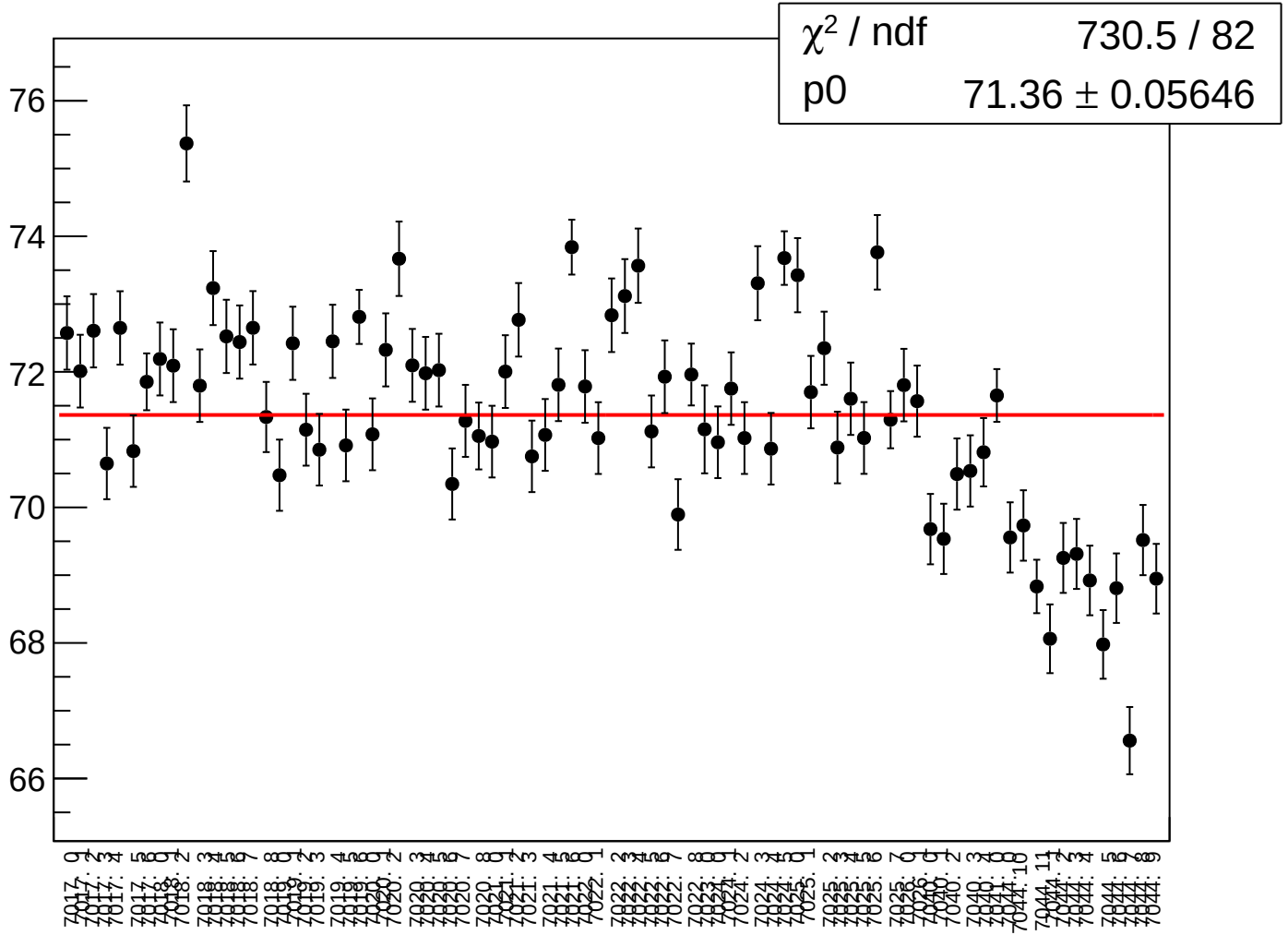

asym_sam_37_48_dd_mean vs run
χ² / ndf 77.93 / 82
p0 −5.955 ± 440.6
pull
Entries 83
Mean 99.7
Std Dev 110.8
pull1D
Entries 83
Mean −0.007835
Std Dev 0.969

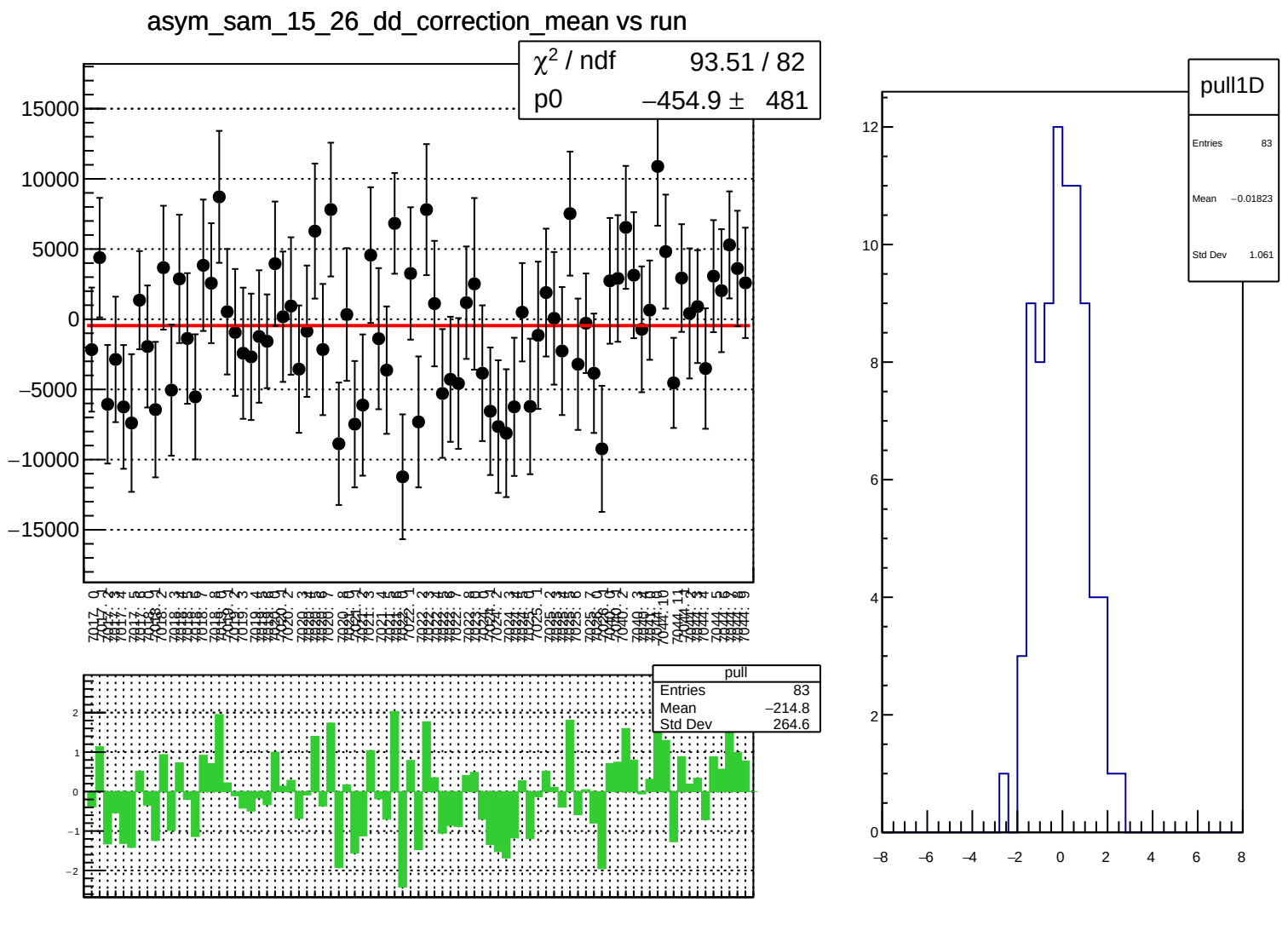

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 9652 / 82
p0 392.7 ± 0.3115
460
440
420
400
380
360
340
320

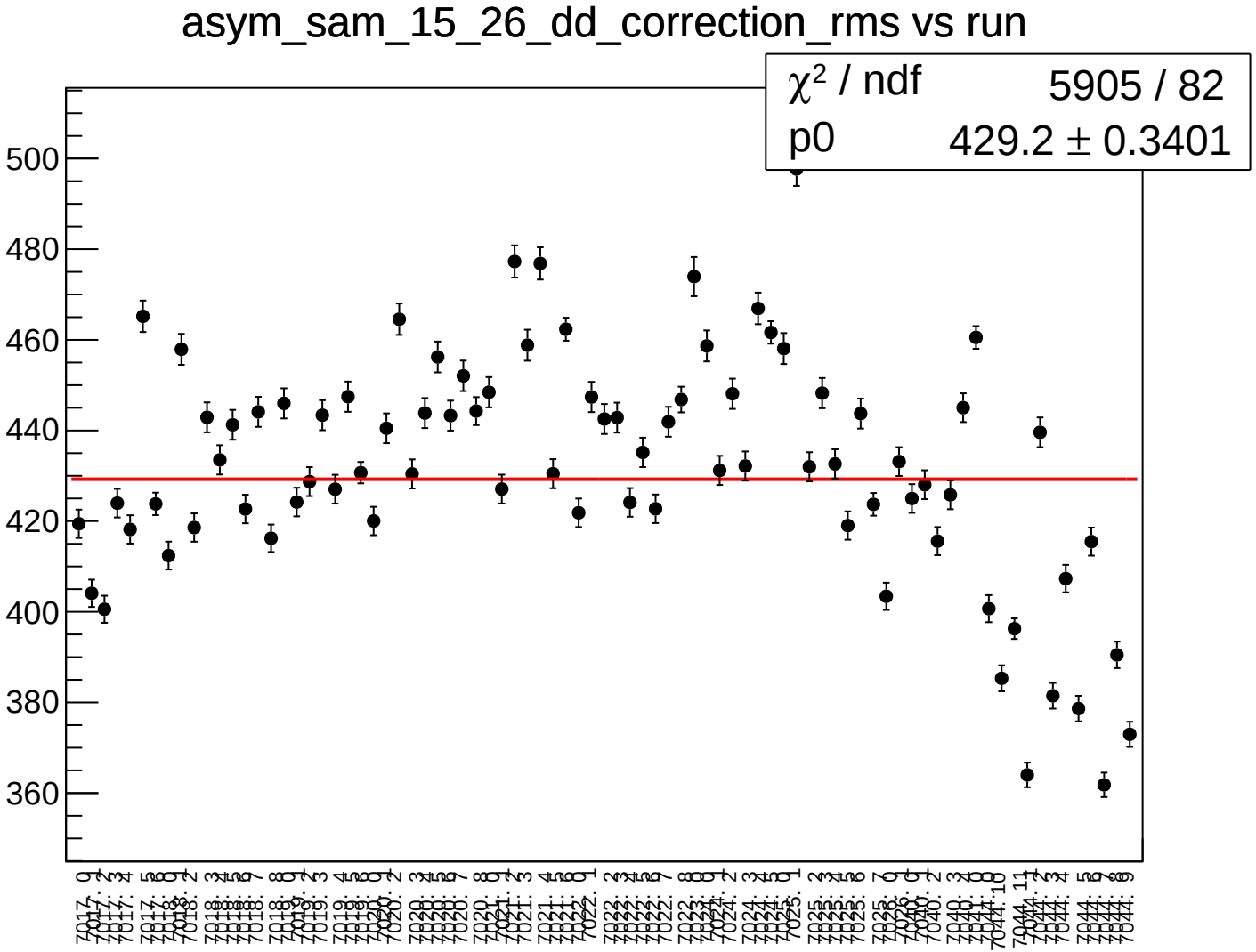

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 89.29 / 82
p0 −45.6 ± 79.85
pull
Entries 83
Mean 453.7
Std Dev 330.8

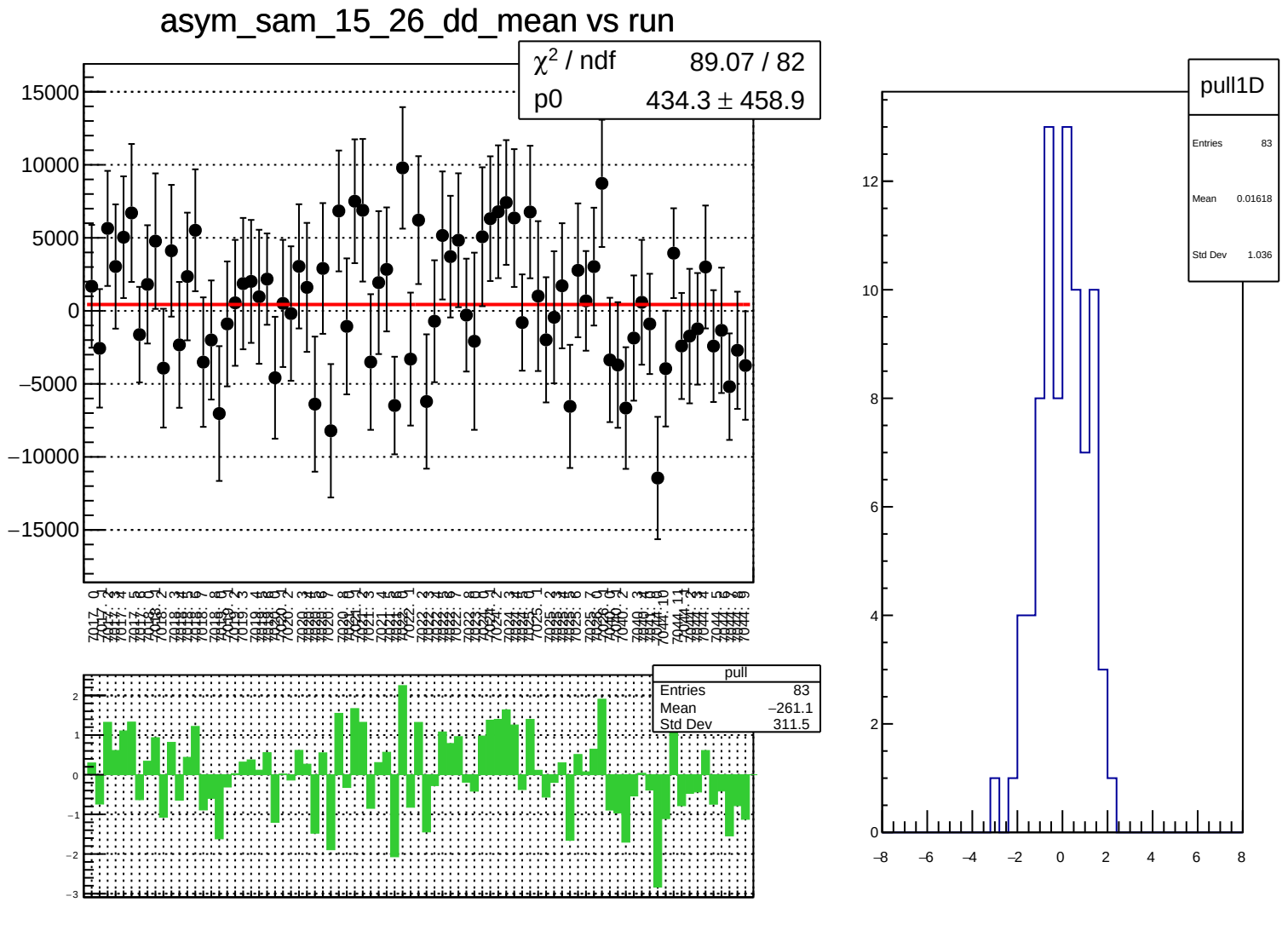

pull1D
Entries 83
Mean −0.0004452
Std Dev 1.037

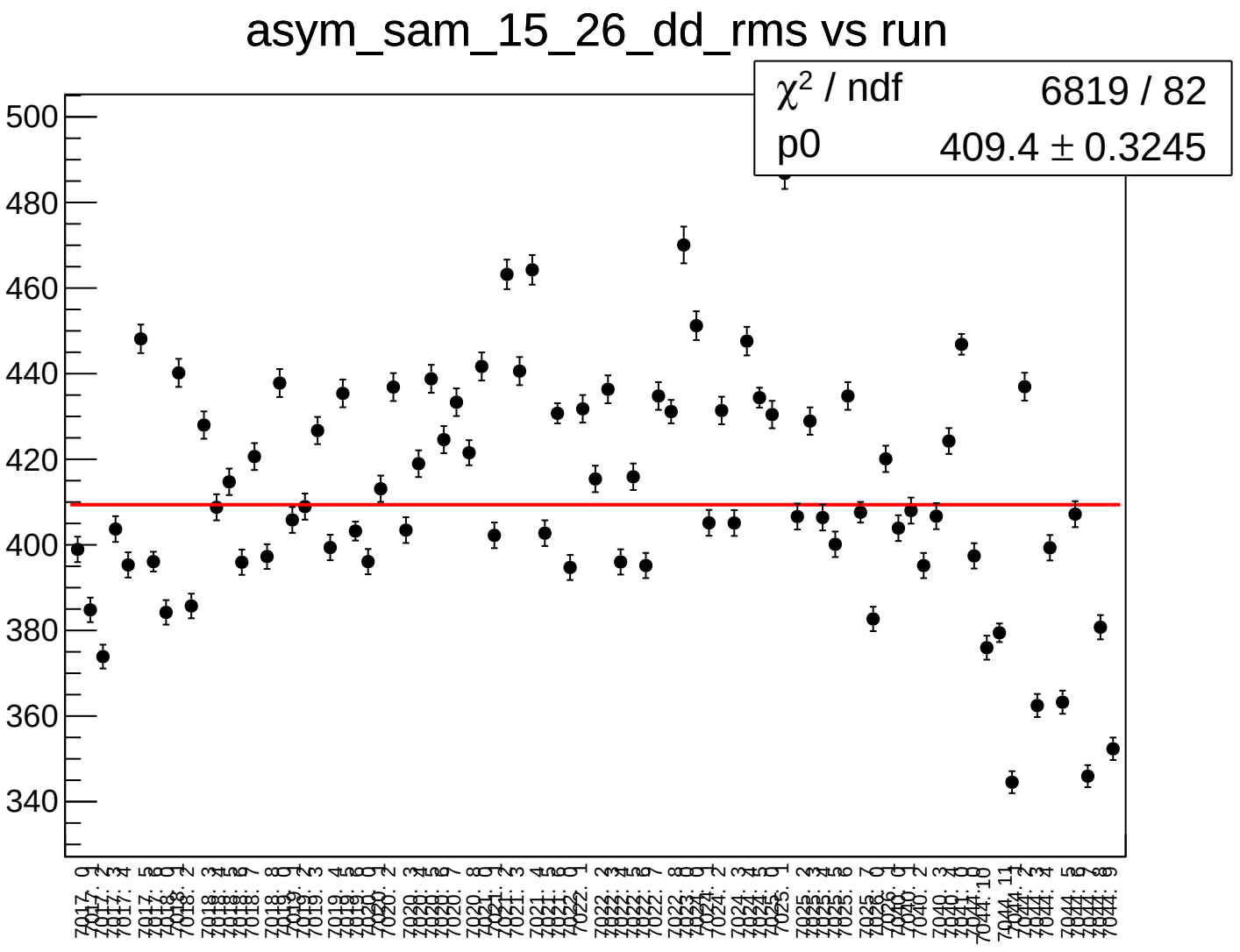
dit_asym_sam_15_26_dd_rms vs run



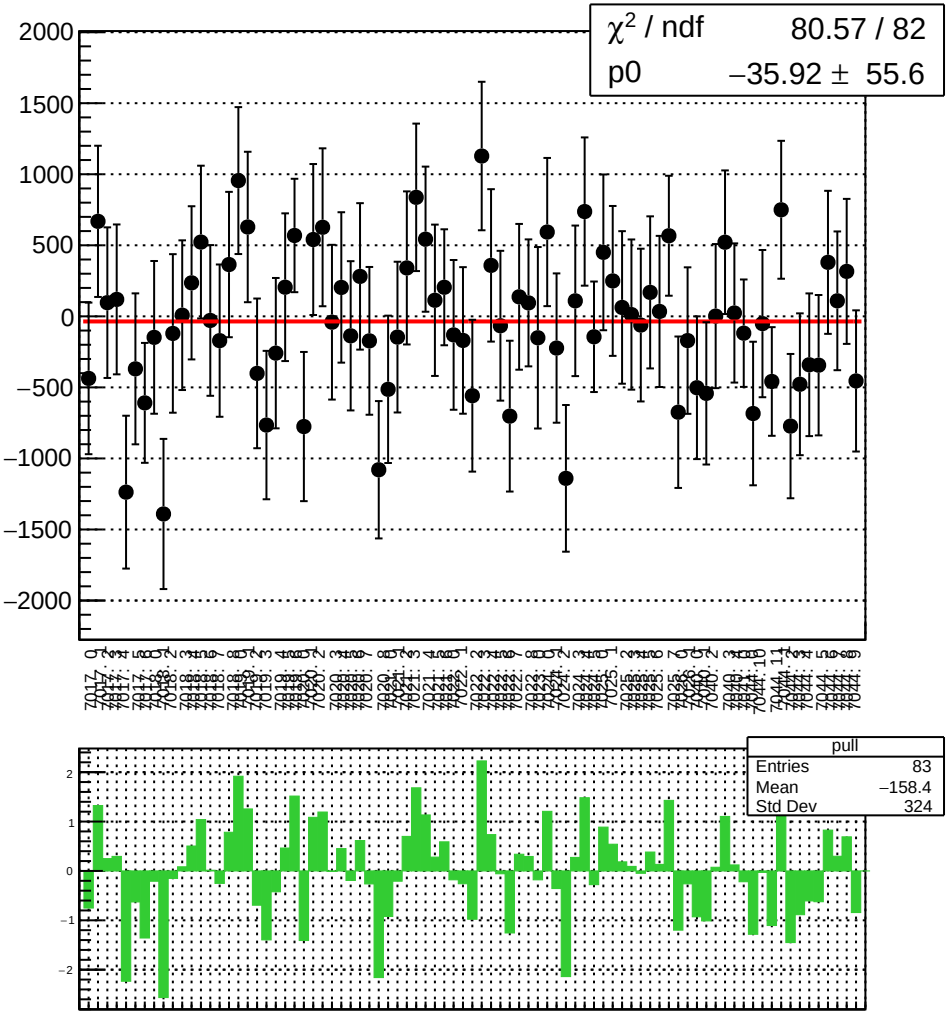

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 93.51 / 82
p0 −454.9 ± 481
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 83
Mean −214.8
Std Dev 264.6
2
1
0
−1
−2
pull1D
Entries 83
Mean −0.01823
Std Dev 1.061
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

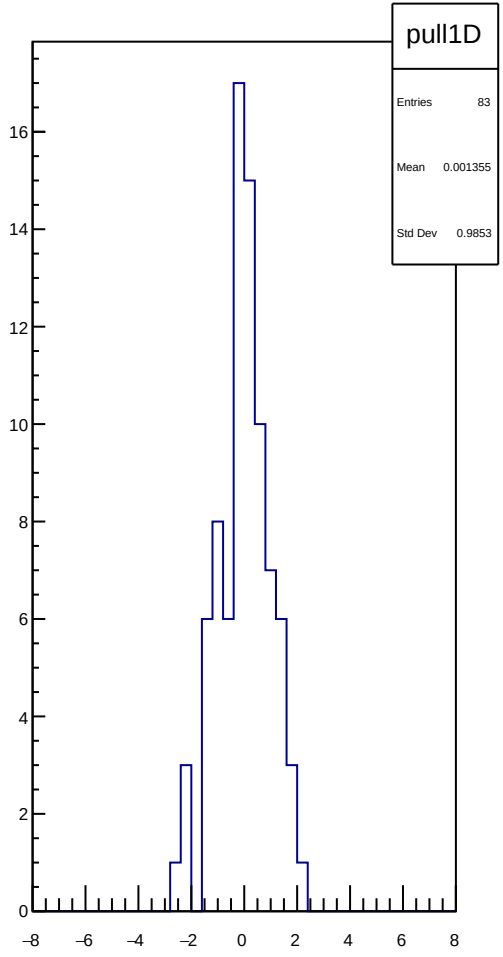

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 5905 / 82
p0 429.2 ± 0.3401
500
480
460
440
420
400
380
360


asym_sam_15_26_dd_mean vs run
χ² / ndf 89.07 / 82
p0 434.3 ± 458.9
pull
Entries 83
Mean −261.1
Std Dev 311.5
pull1D
Entries 83
Mean 0.01618
Std Dev 1.036

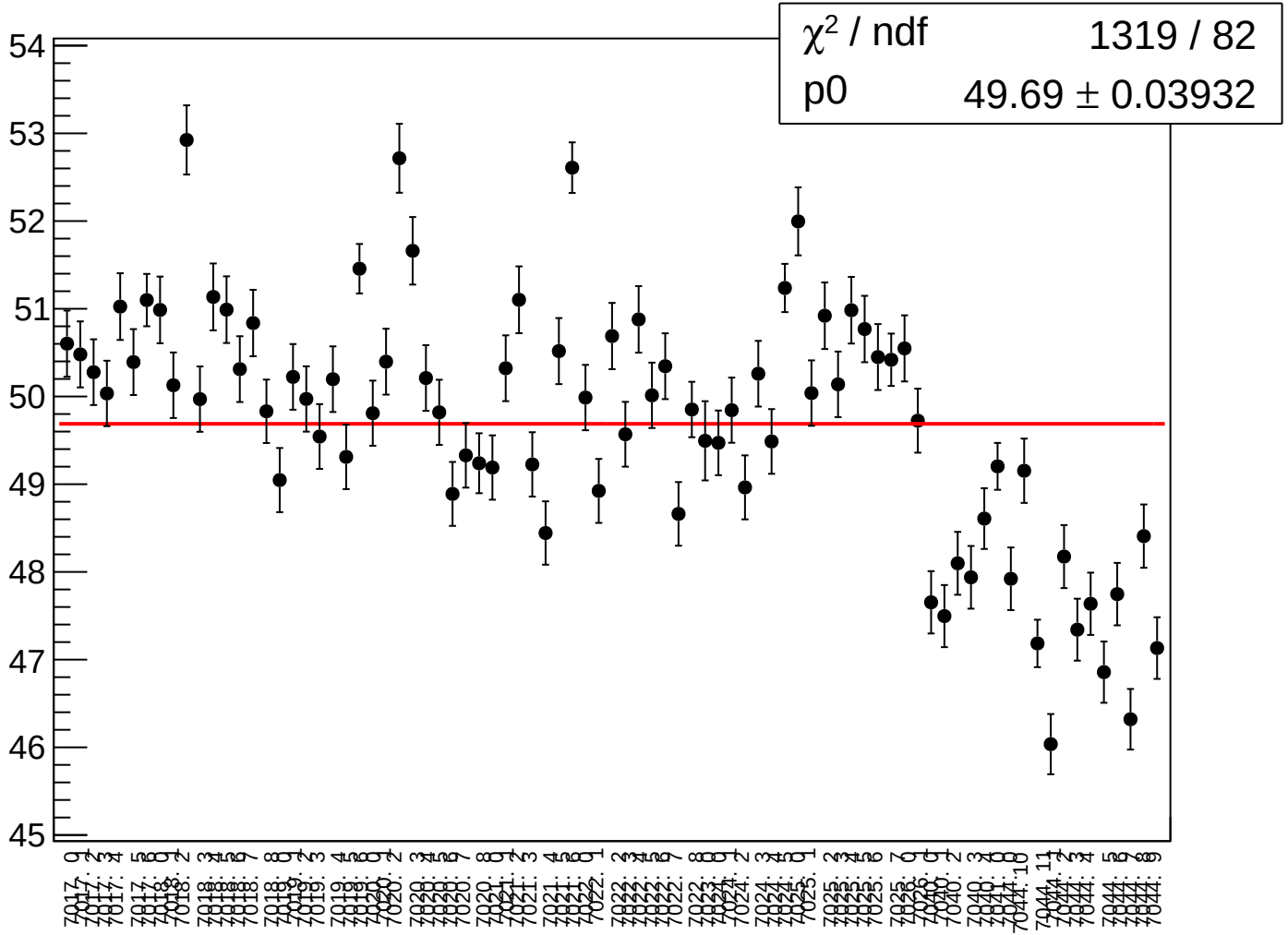

asym_sam_15_26_dd_rms vs run
χ² / ndf 6819 / 82
p0 409.4 ± 0.3245
500
480
460
440
420
400
380
360
340

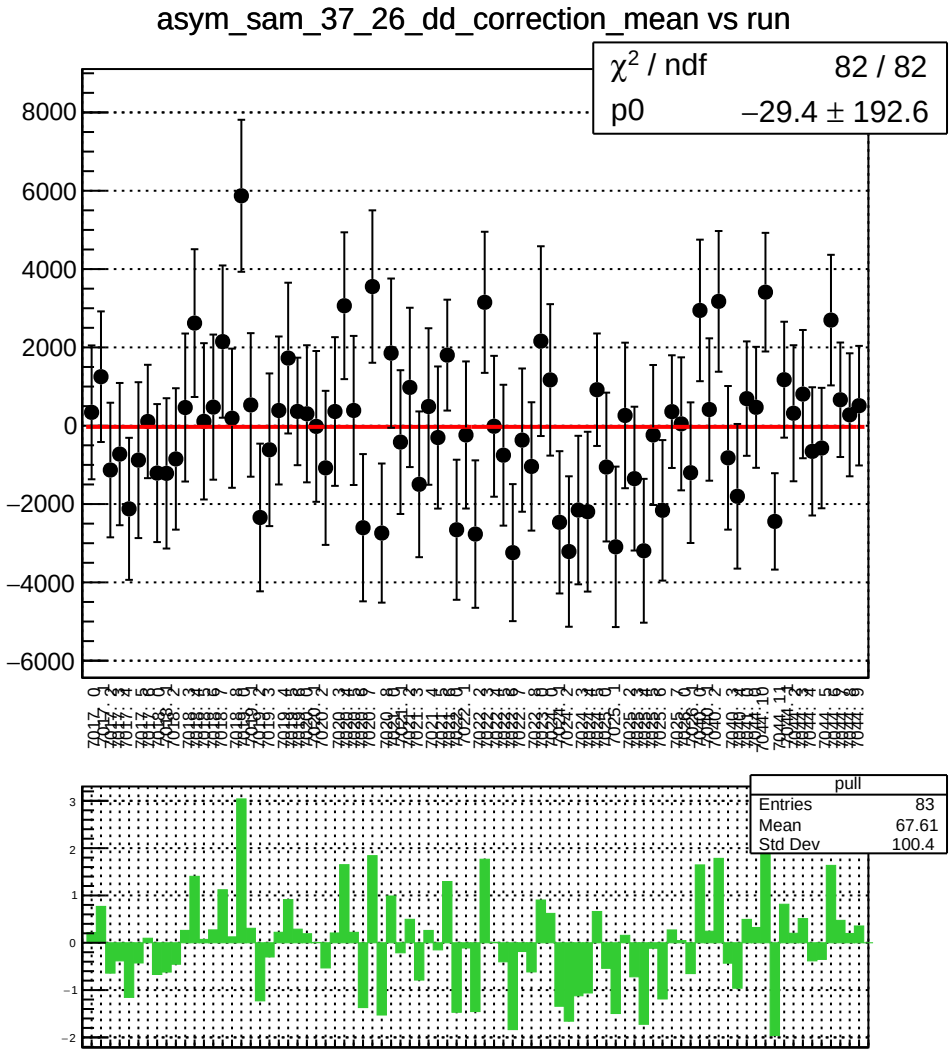
dit_asym_sam_37_26_dd_mean vs run

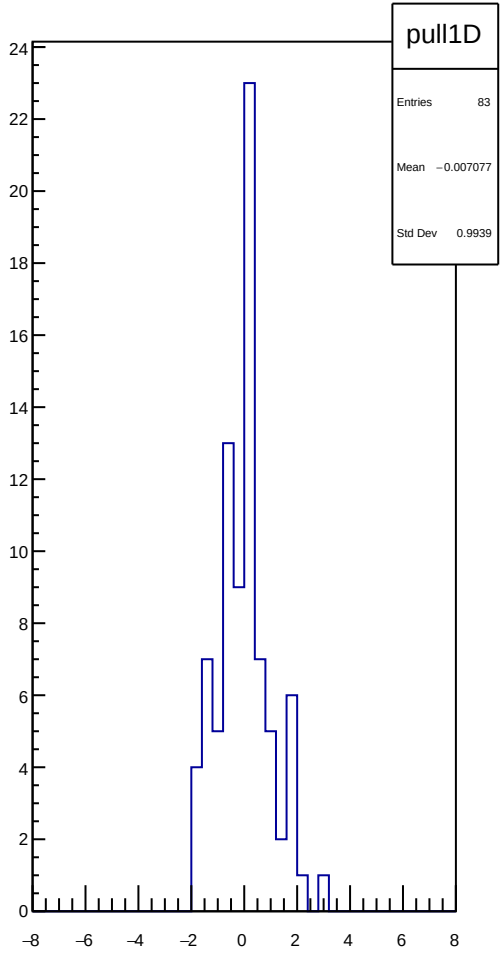


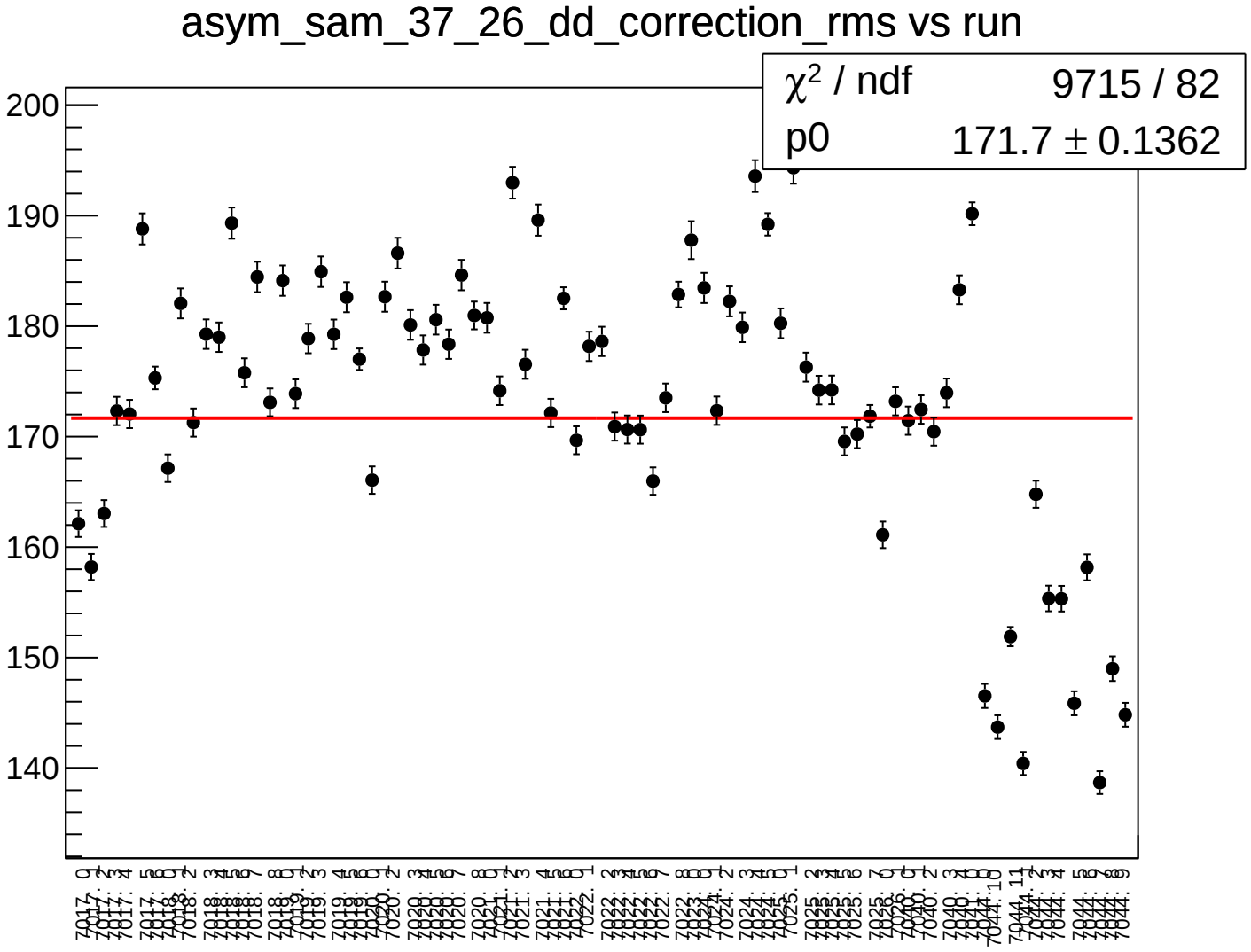


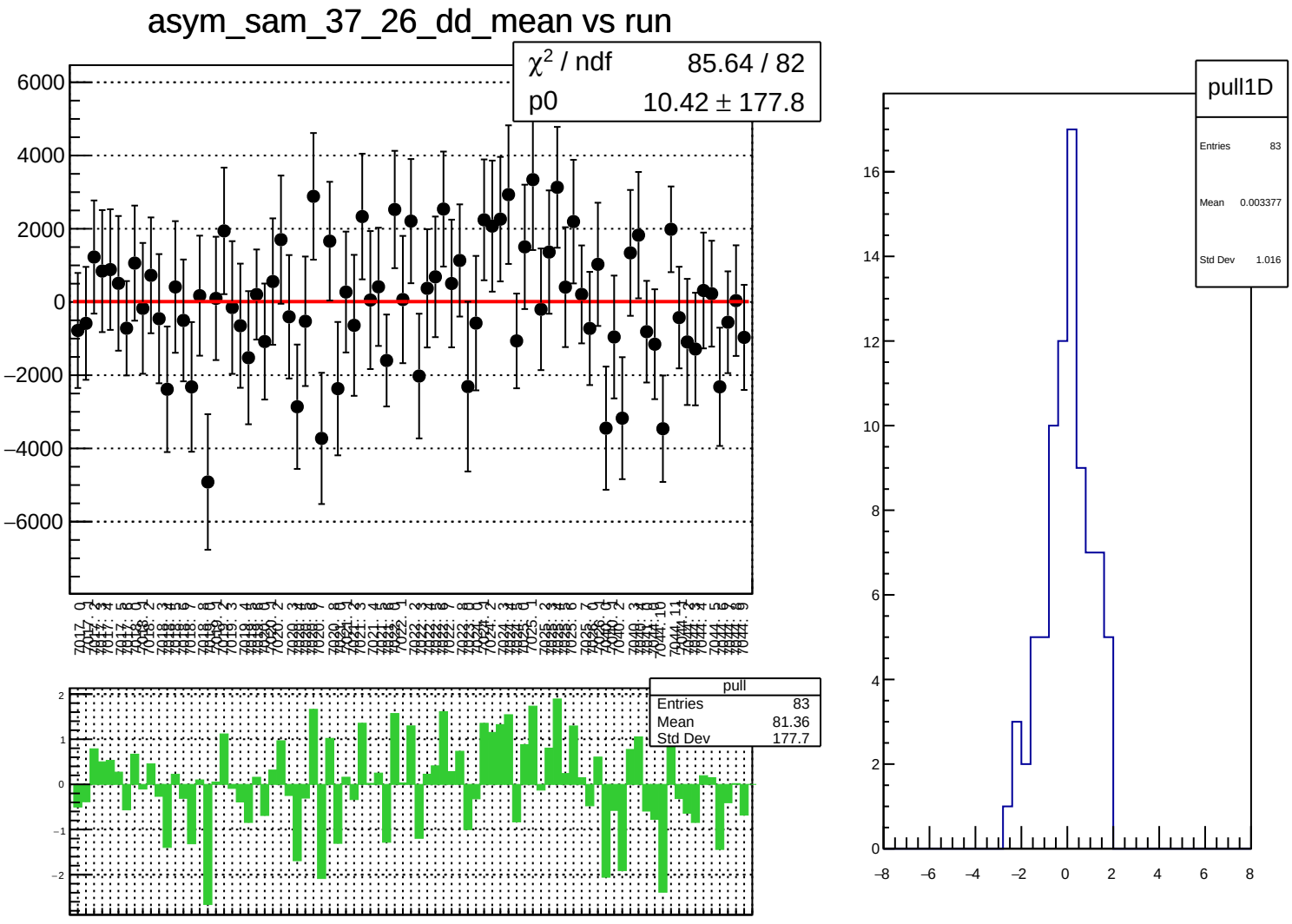
dit_asym_sam_37_26_dd_rms vs run

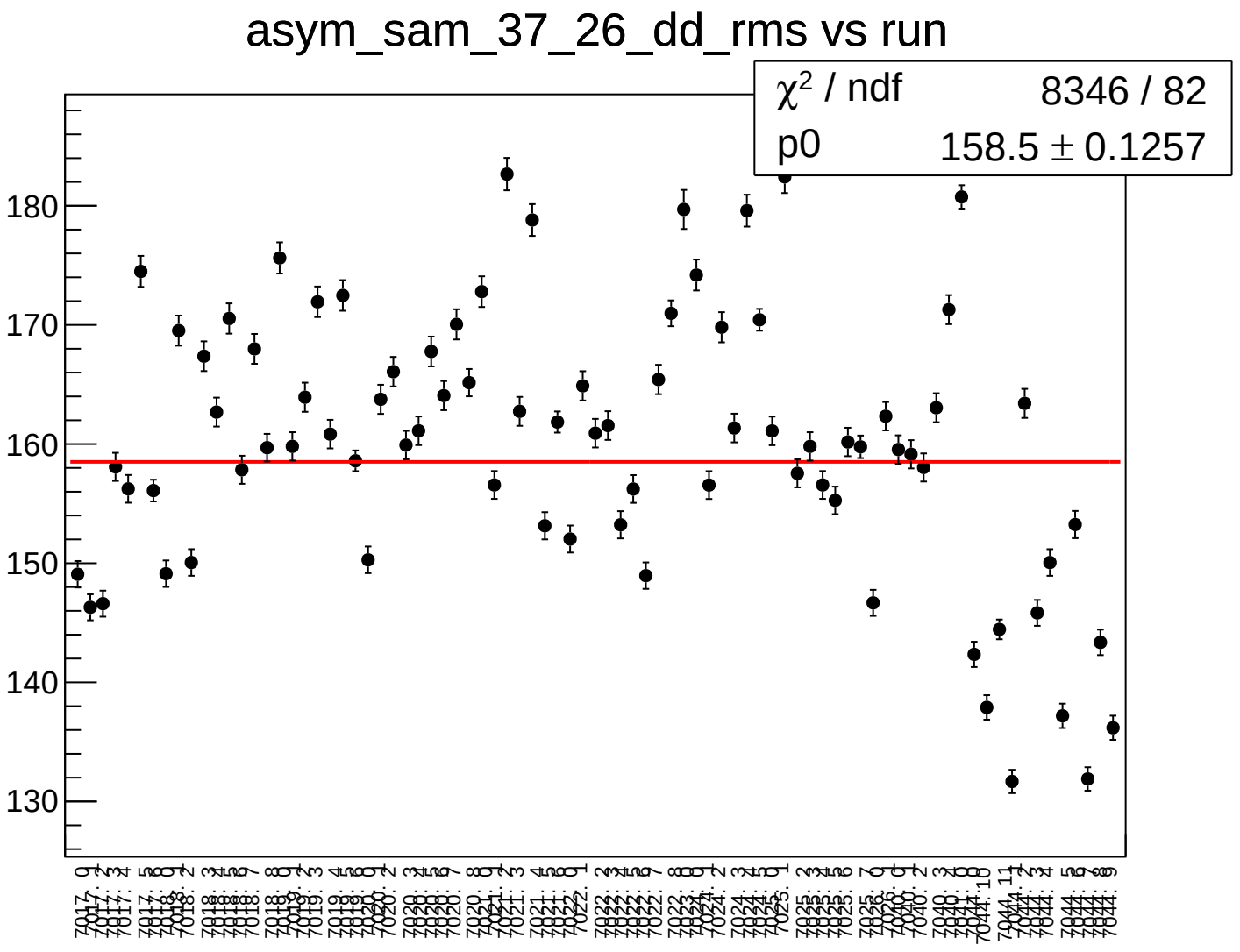


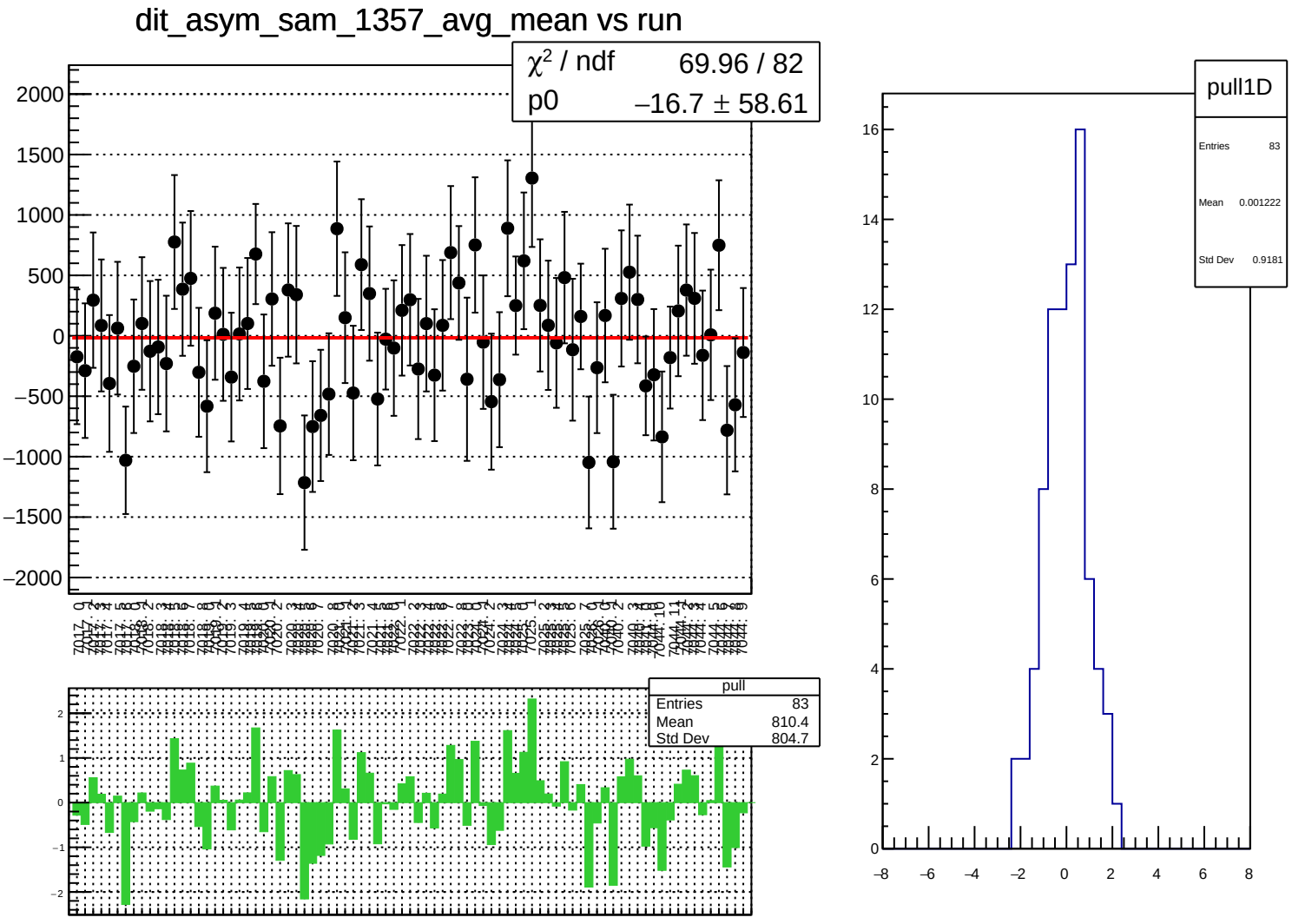

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 82 / 82
p0 −29.4 ± 192.6
pull
Entries 83
Mean 67.61
Std Dev 100.4


pull1D
Entries 83
Mean −0.007077
Std Dev 0.9939

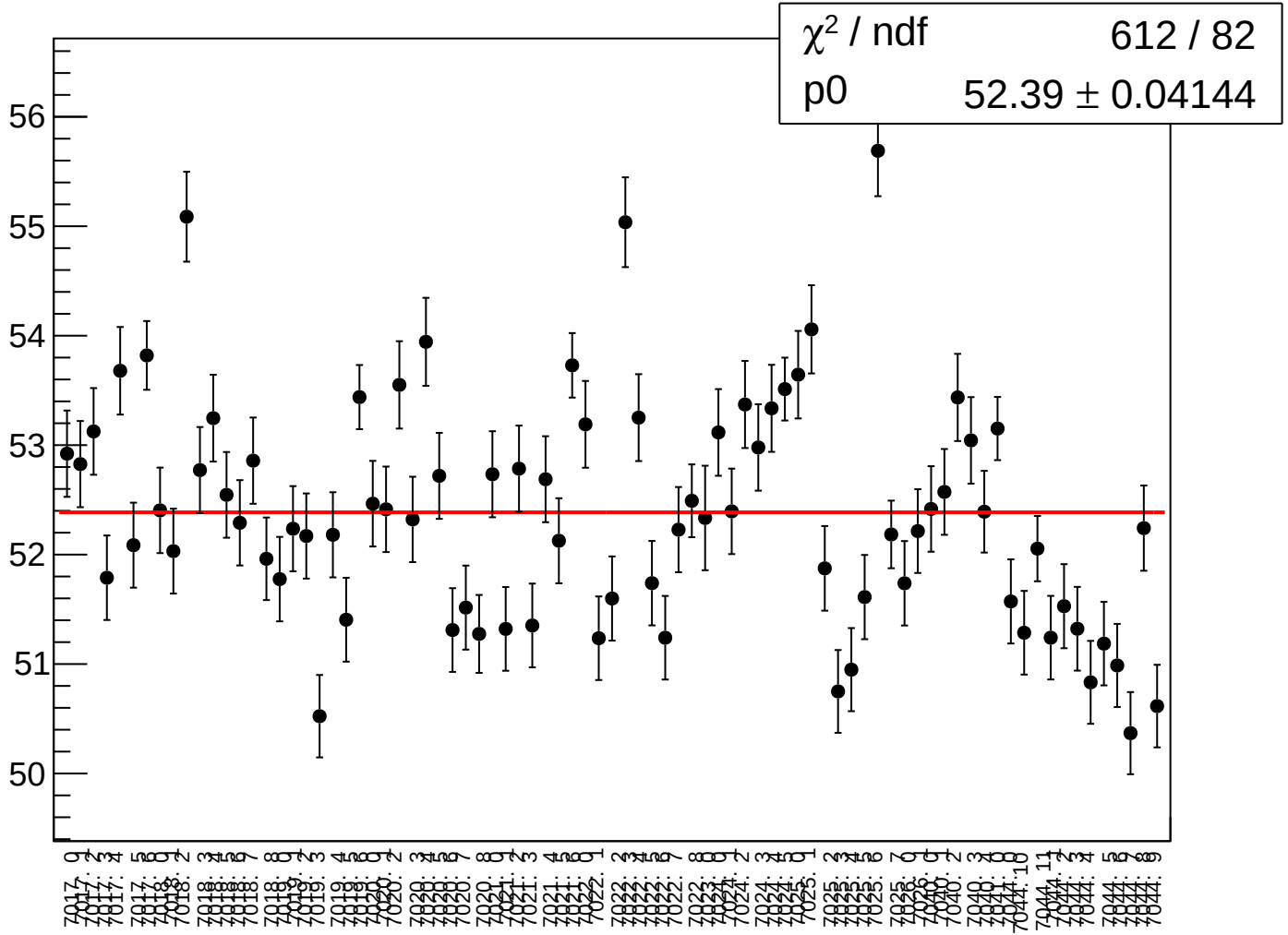

asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 9715 / 82
p0 171.7 ± 0.1362
200
190
180
170
160
150
140

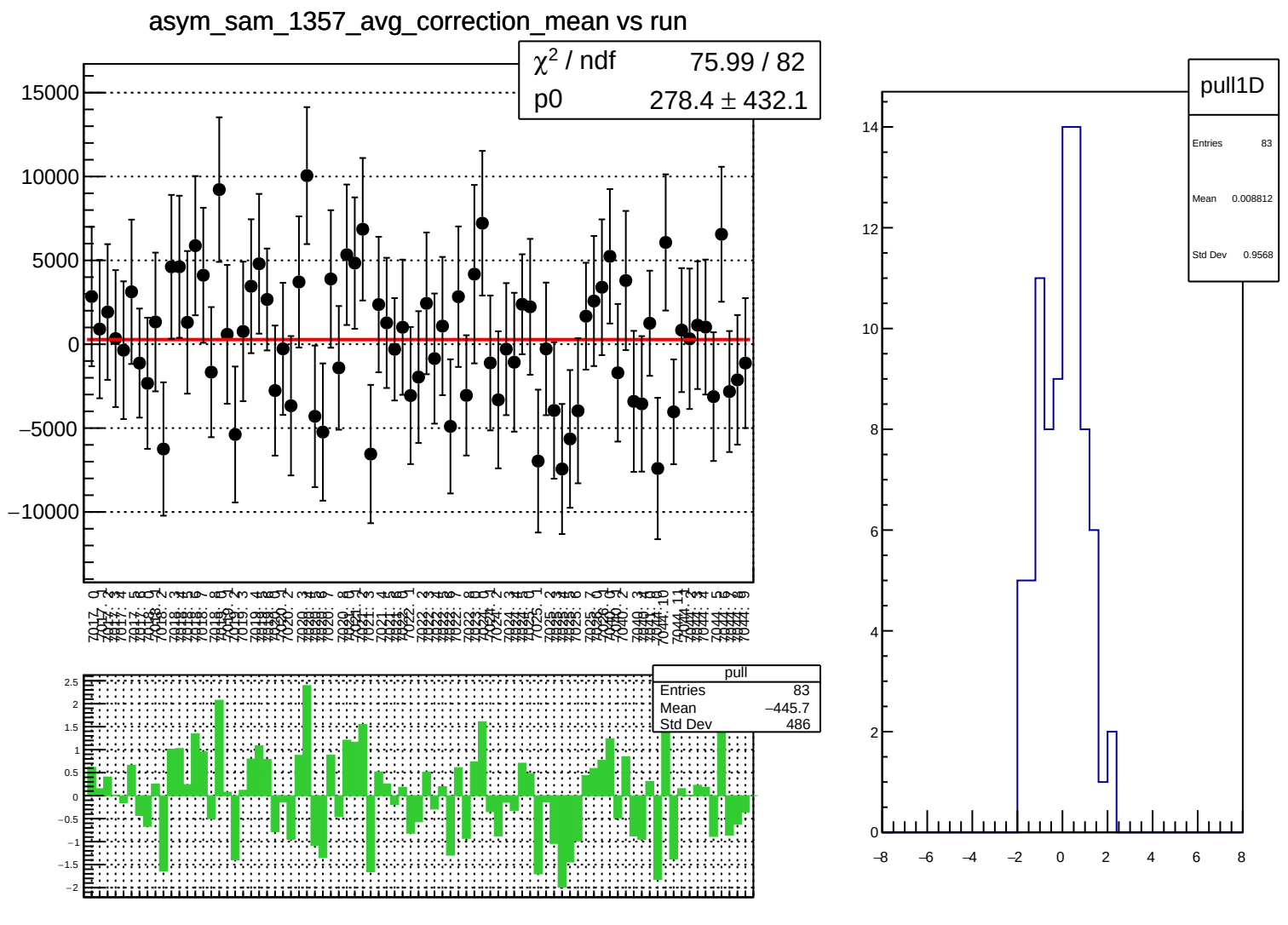

asym_sam_37_26_dd_mean vs run
χ² / ndf 85.64 / 82
p0 10.42 ± 177.8
pull
Entries 83
Mean 81.36
Std Dev 177.7
pull1D
Entries 83
Mean 0.003377
Std Dev 1.016

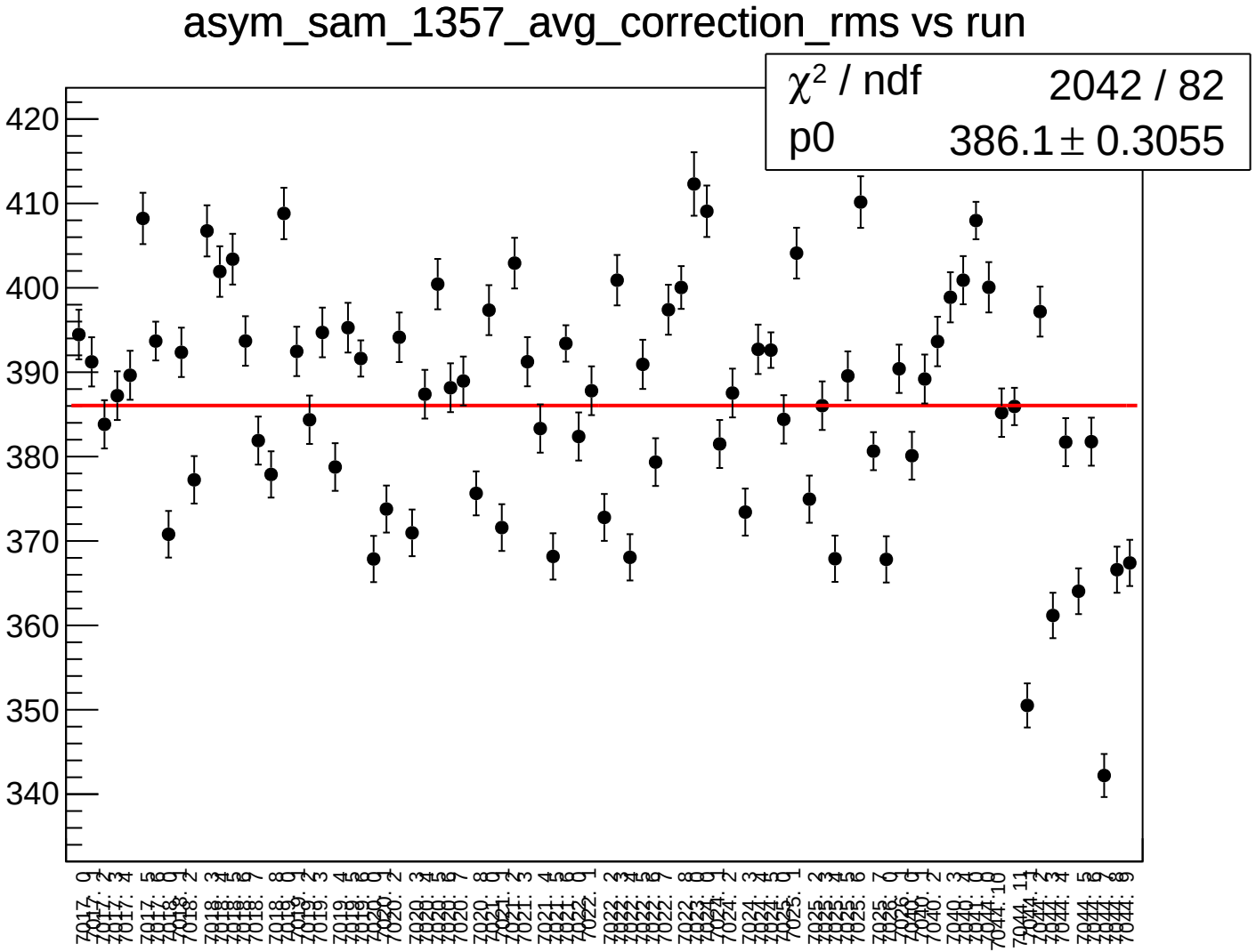

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 8346 / 82
p0 158.5 ± 0.1257
180
170
160
150
140
130

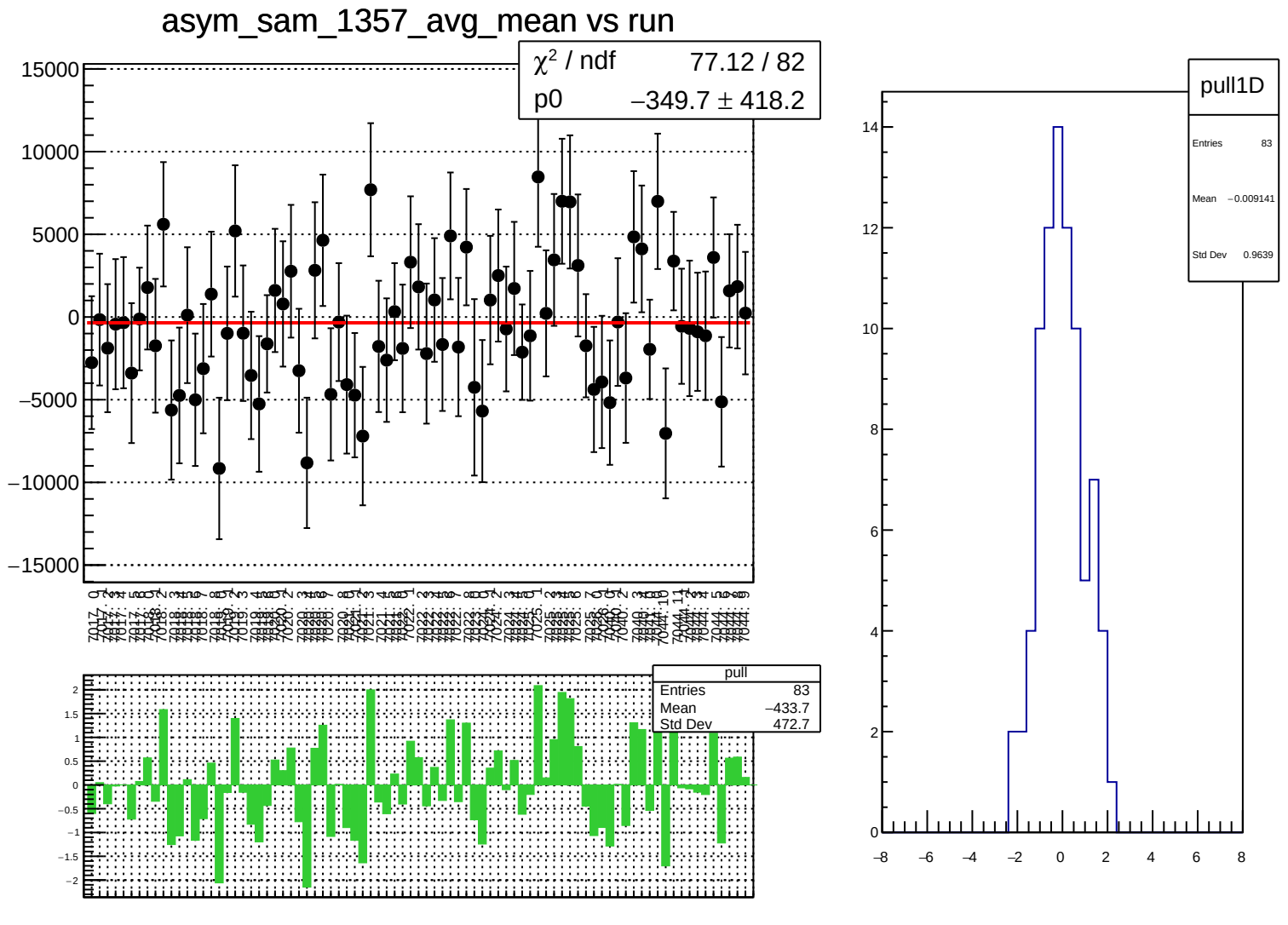

dit_asym_sam_1357_avg_mean vs run
χ^2 / ndf 69.96 / 82
p0 −16.7 ± 58.61
pull
Entries 83
Mean 810.4
Std Dev 804.7
pull1D
Entries 83
Mean 0.001222
Std Dev 0.9181

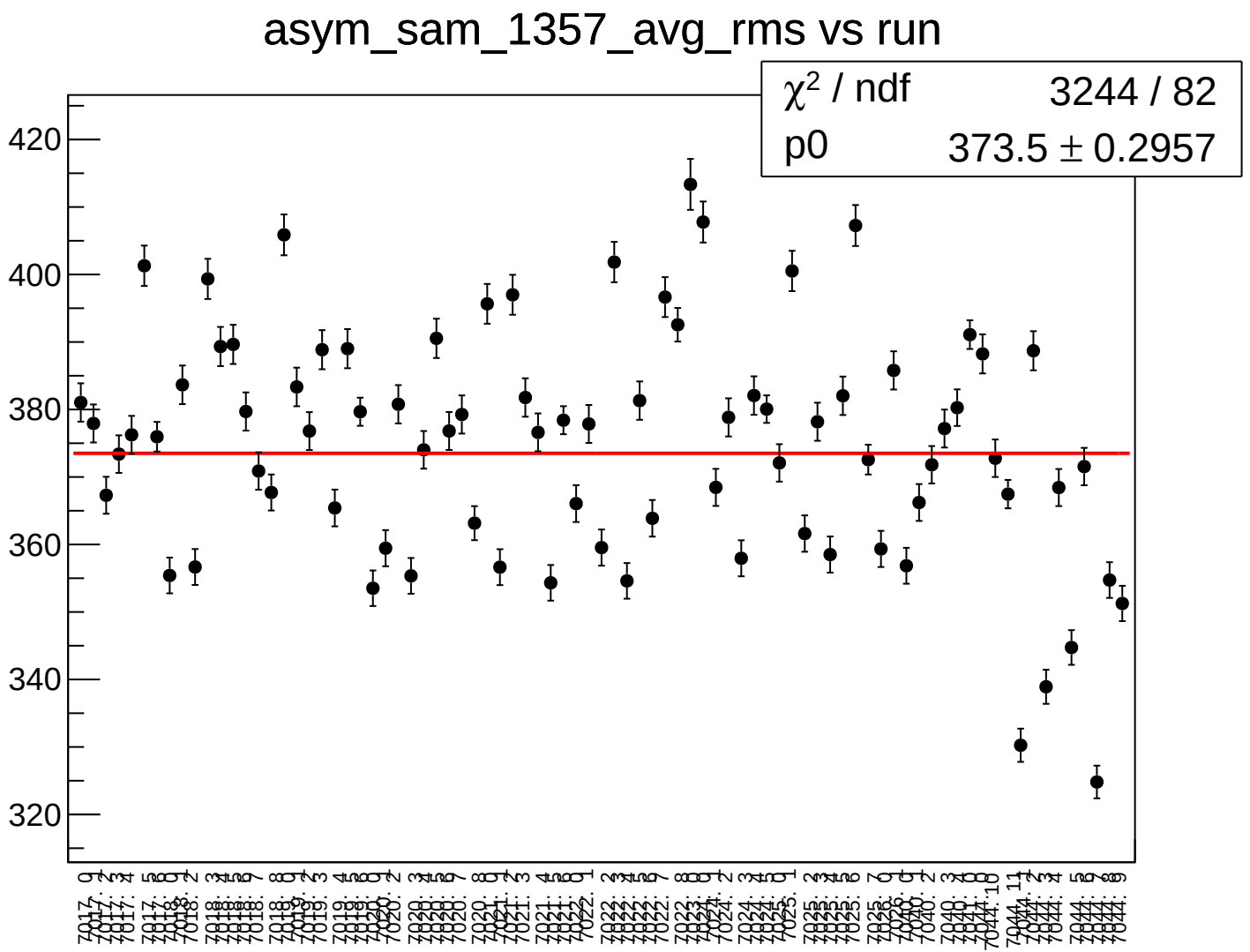
dit_asym_sam_1357_avg_rms vs run

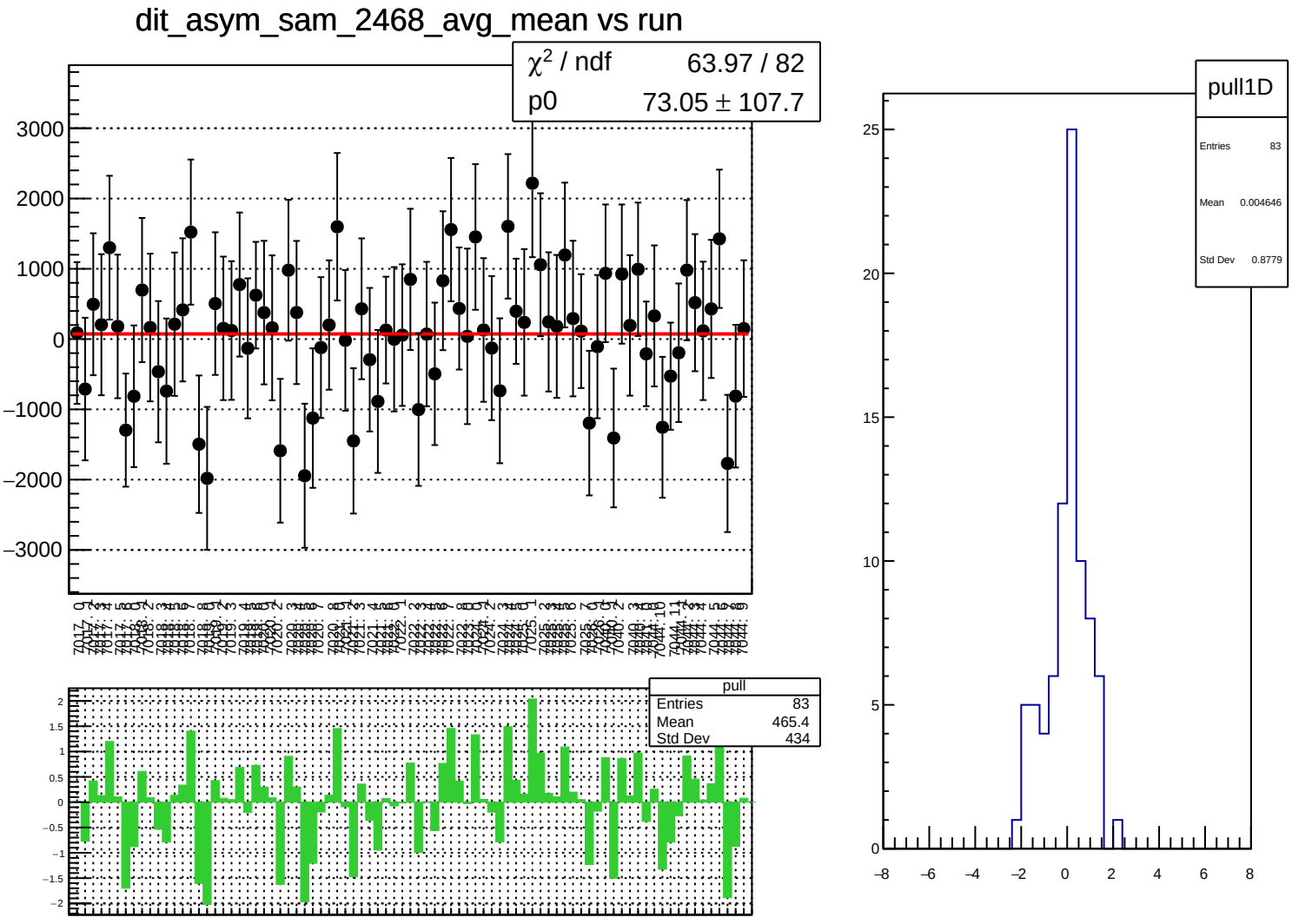



asym_sam_1357_avg_correction_mean vs run
χ² / ndf 75.99 / 82
p0 278.4 ± 432.1
15000
10000
5000
0
−5000
−10000
pull
Entries 83
Mean −445.7
Std Dev 486
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean 0.008812
Std Dev 0.9568
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

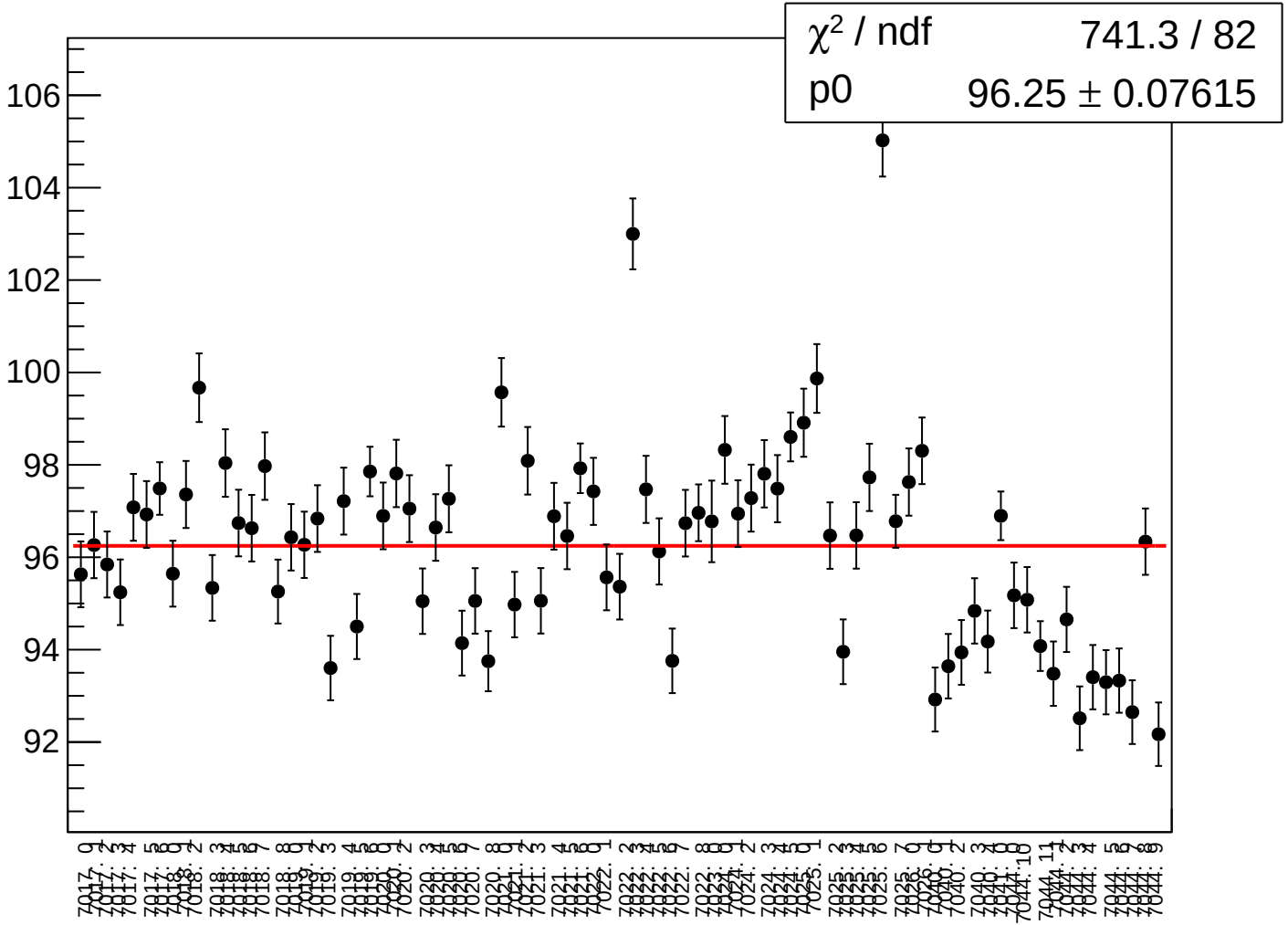

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2042 / 82
p0 386.1 ± 0.3055
420
410
400
390
380
370
360
350
340

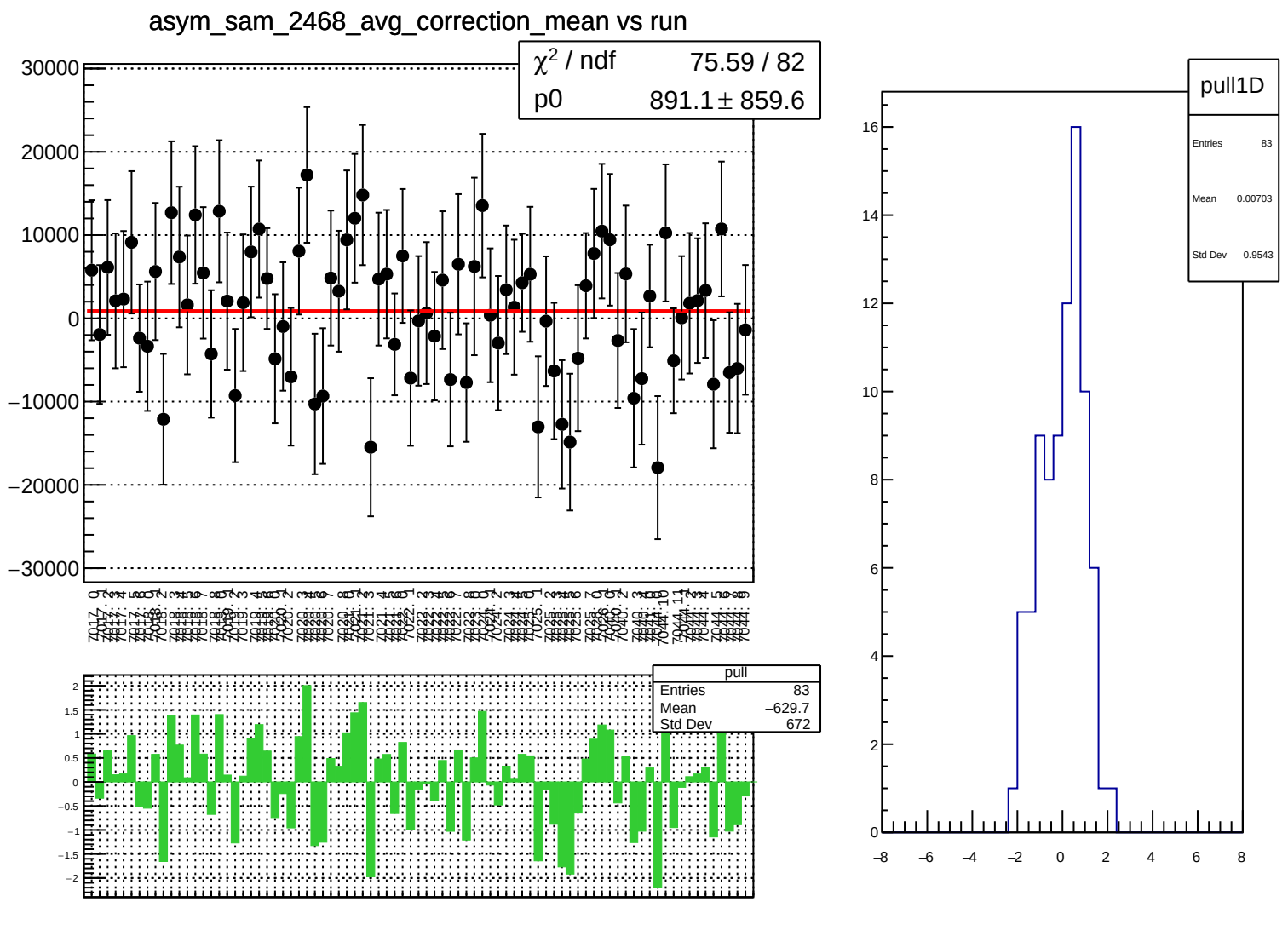

asym_sam_1357_avg_mean vs run
χ² / ndf 77.12 / 82
p0 −349.7 ± 418.2
pull
Entries 83
Mean −433.7
Std Dev 472.7
pull1D
Entries 83
Mean −0.009141
Std Dev 0.9639

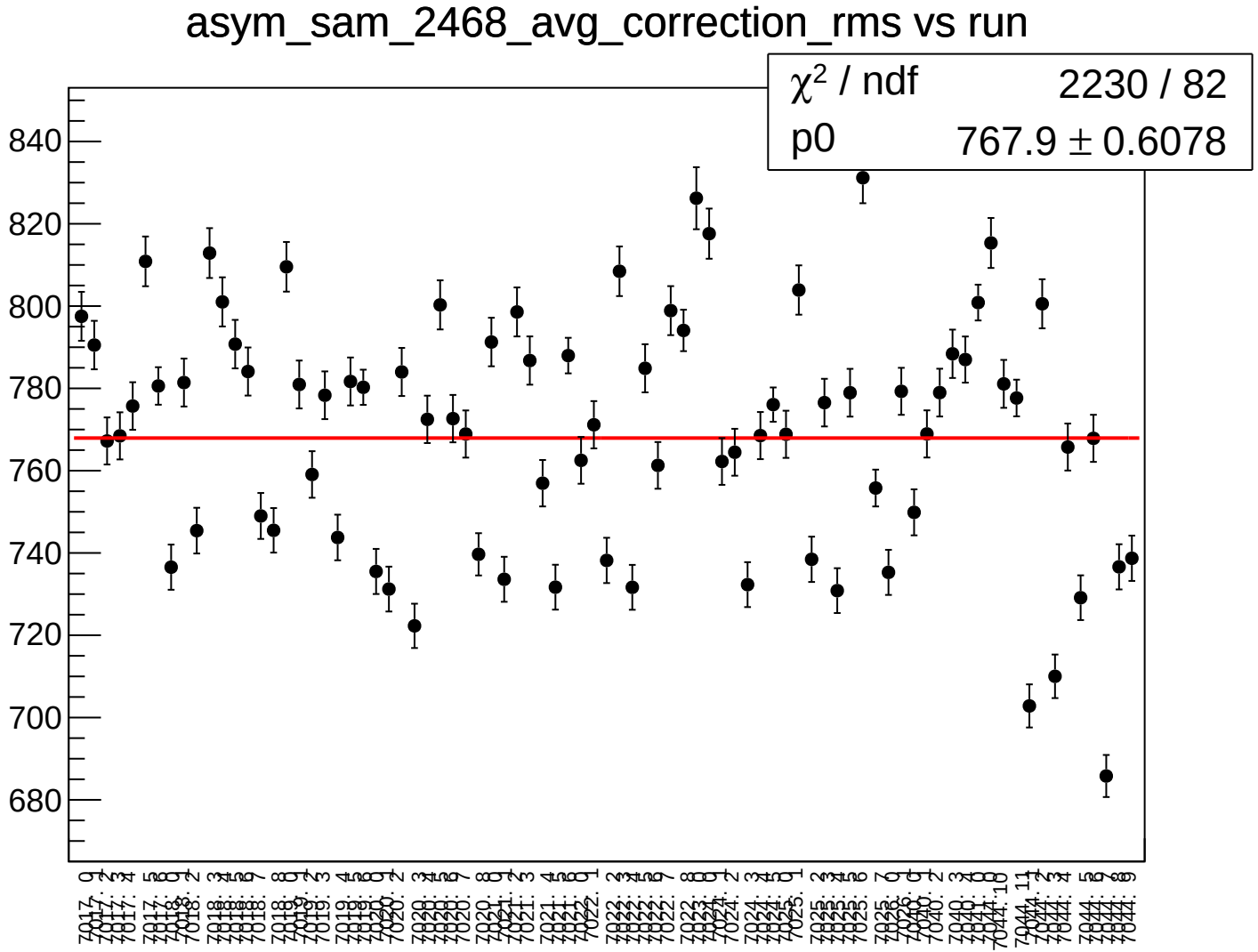

asym_sam_1357_avg_rms vs run
χ² / ndf 3244 / 82
p0 373.5 ± 0.2957
420
400
380
360
340
320

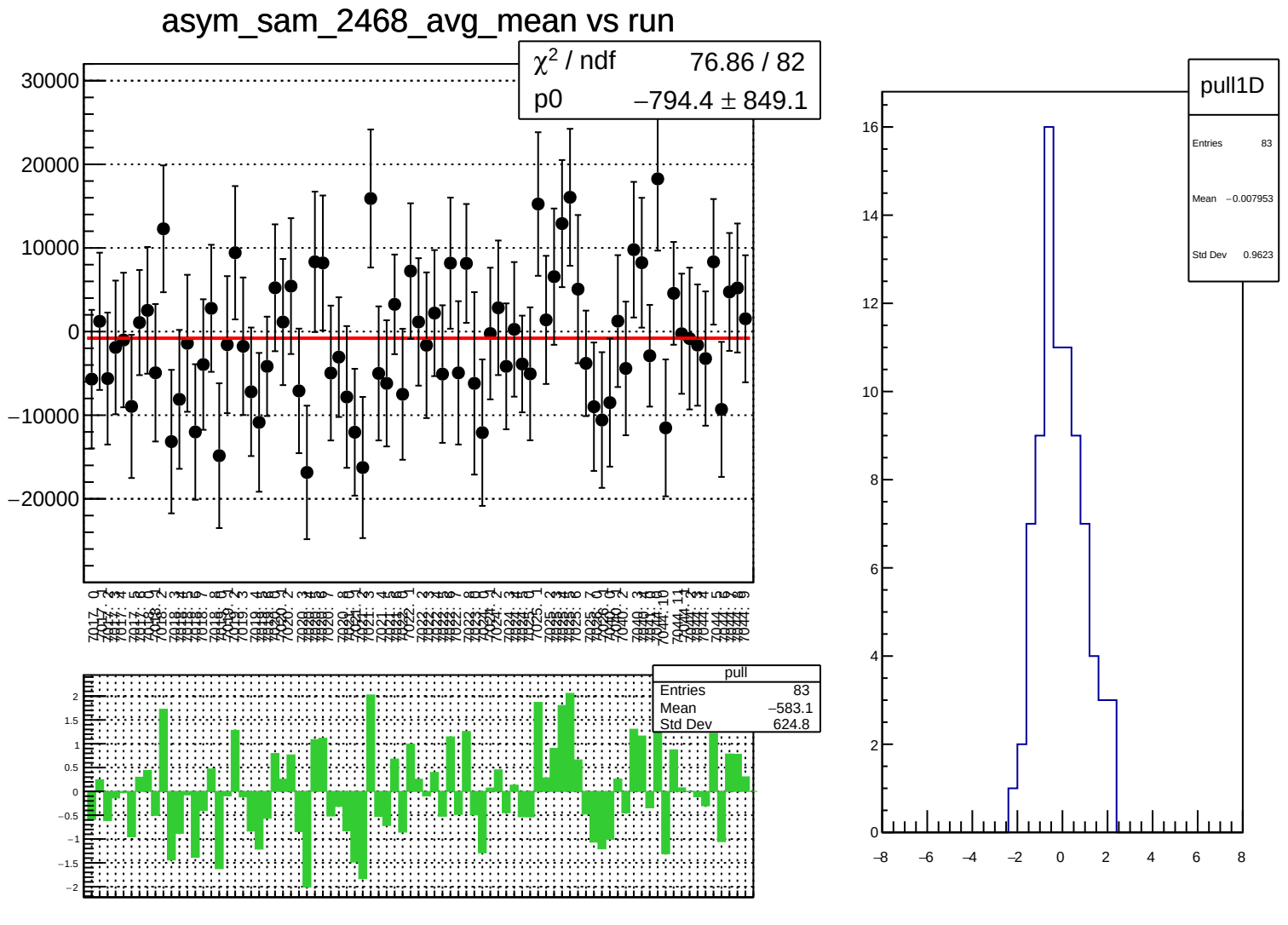

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 63.97 / 82
p0 73.05 ± 107.7
pull
Entries 83
Mean 465.4
Std Dev 434
pull1D
Entries 83
Mean 0.004646
Std Dev 0.8779

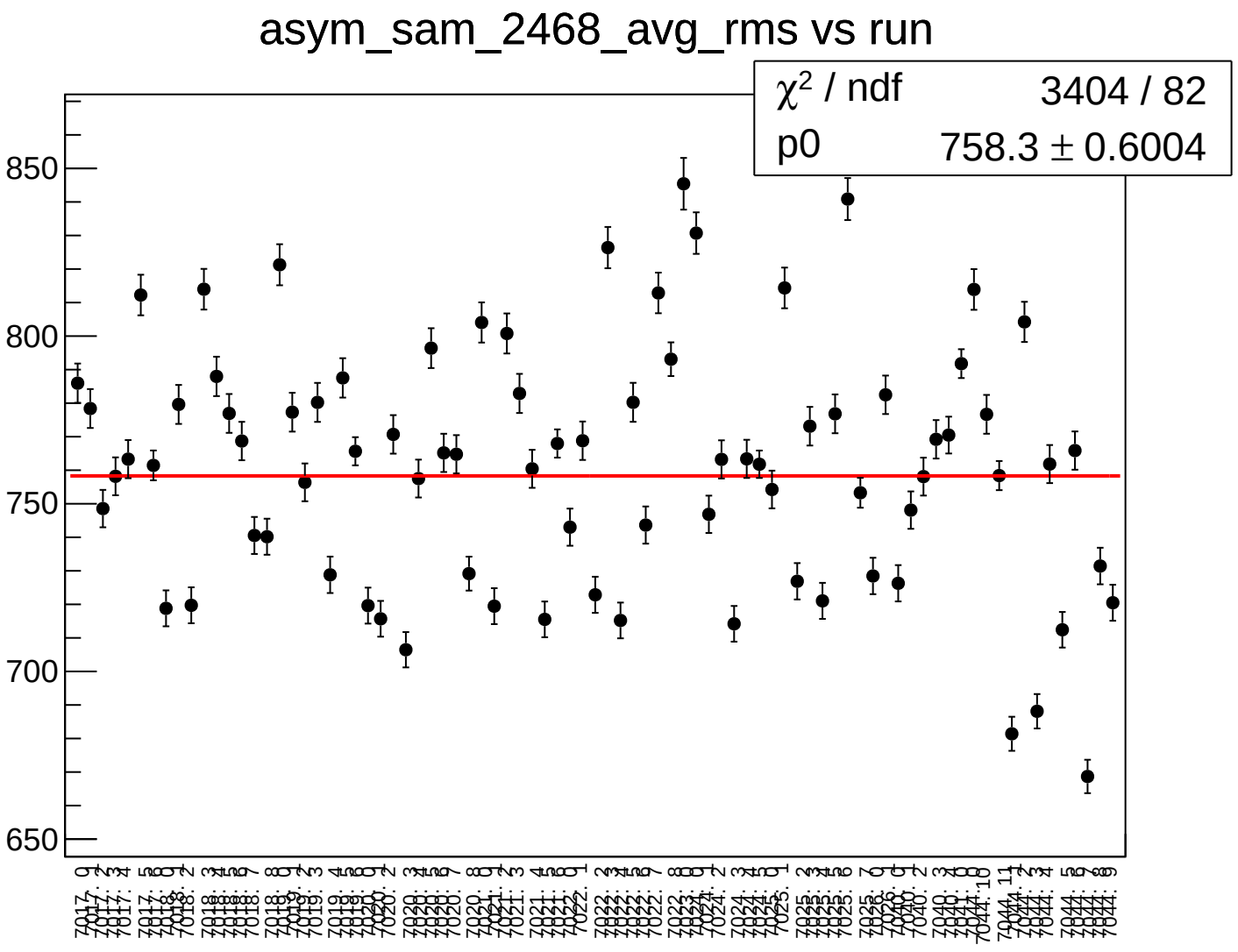
dit_asym_sam_2468_avg_rms vs run

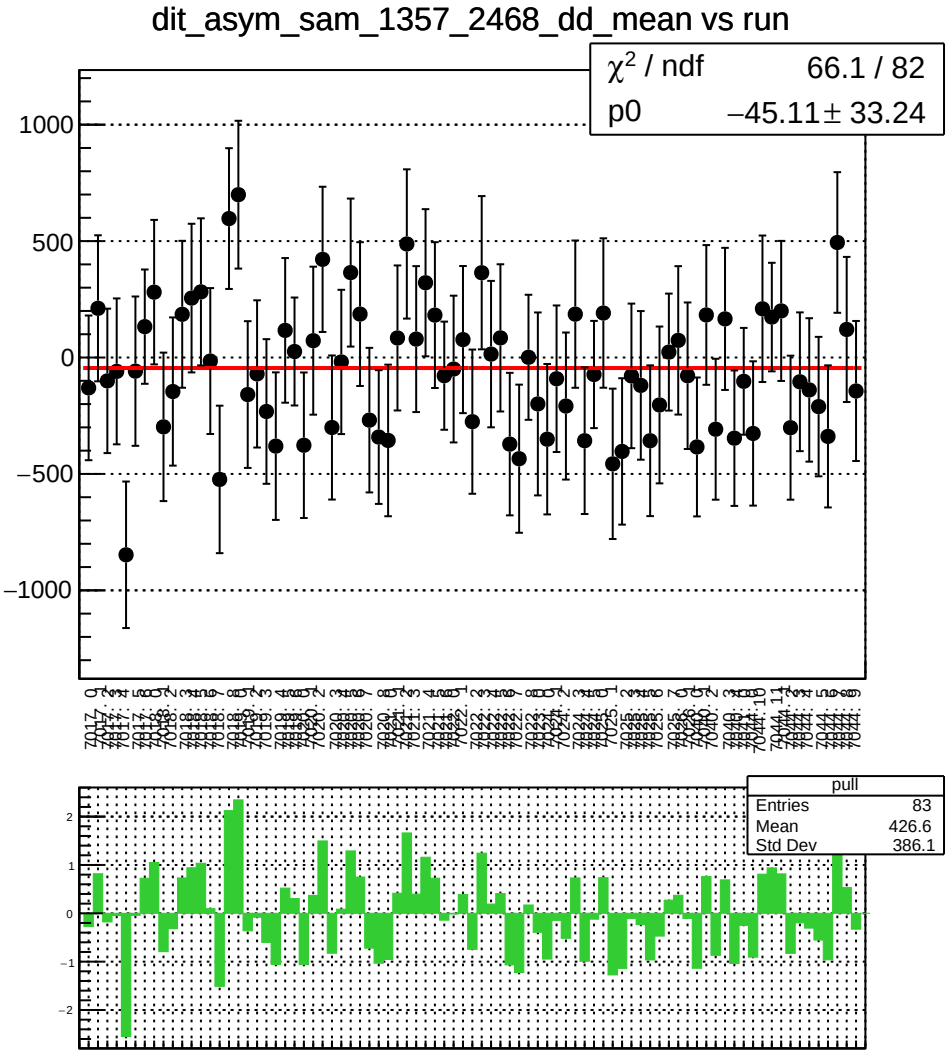


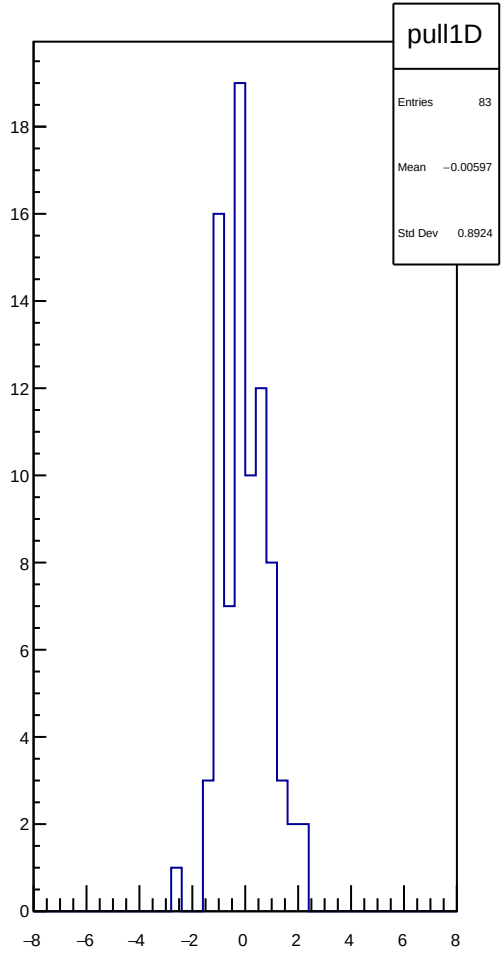

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 75.59 / 82
p0 891.1 ± 859.6
pull
Entries 83
Mean −629.7
Std Dev 672
pull1D
Entries 83
Mean 0.00703
Std Dev 0.9543


asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 2230 / 82
p0 767.9 ± 0.6078
840
820
800
780
760
740
720
700
680

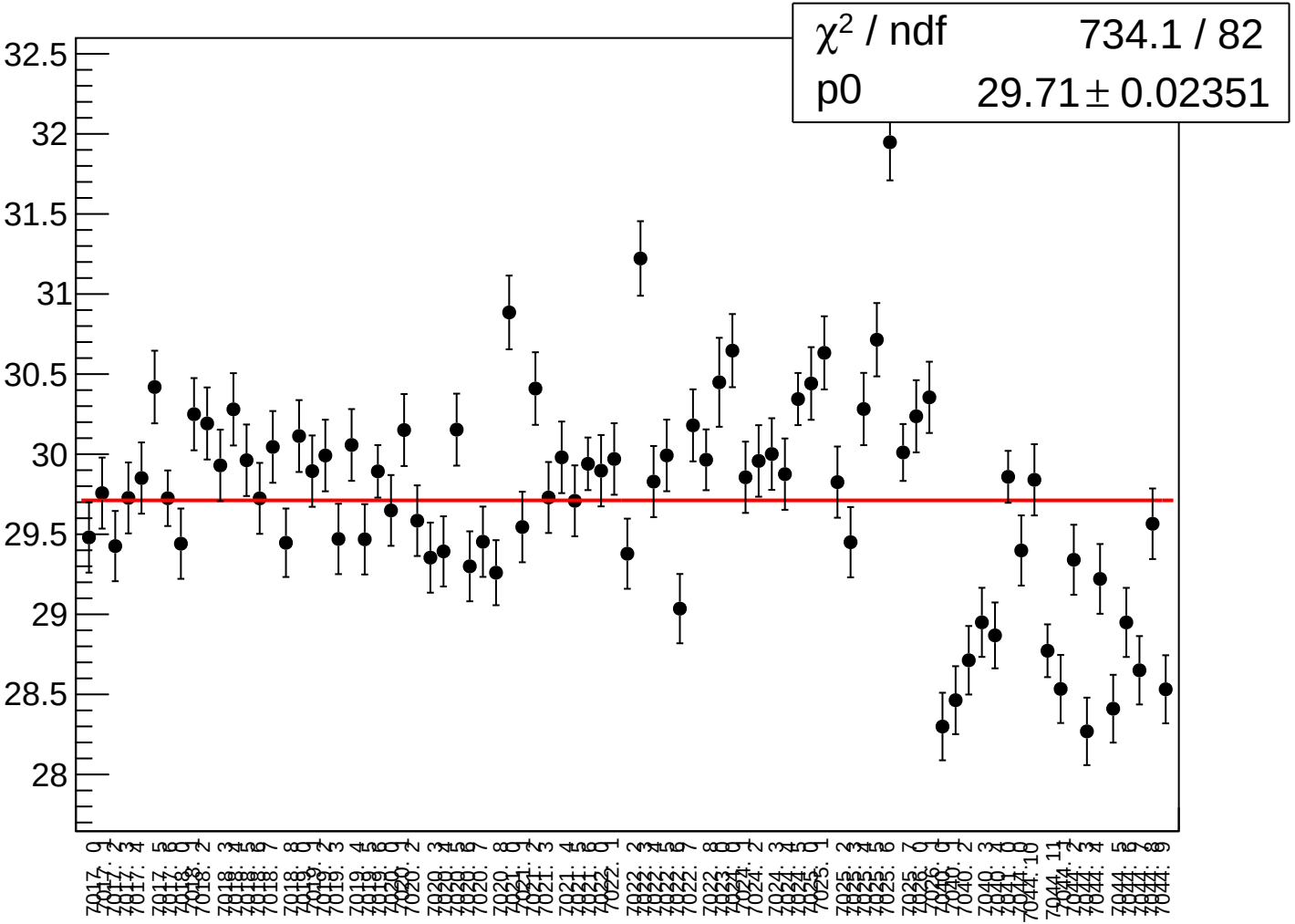

asym_sam_2468_avg_mean vs run
χ² / ndf 76.86 / 82
p0 −794.4 ± 849.1
30000
20000
10000
0
−10000
−20000
pull
Entries 83
Mean −583.1
Std Dev 624.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 83
Mean −0.007953
Std Dev 0.9623
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

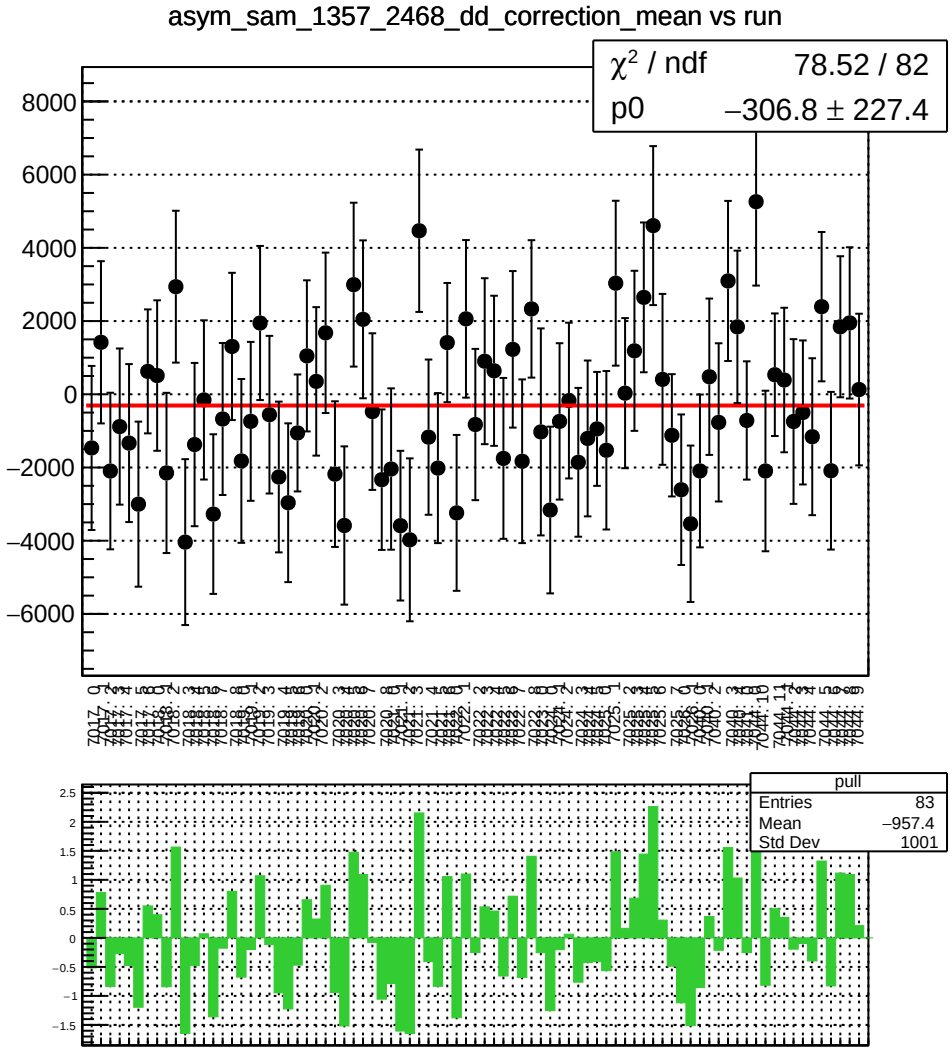

asym_sam_2468_avg_rms vs run
χ² / ndf 3404 / 82
p0 758.3 ± 0.6004
850
800
750
700
650

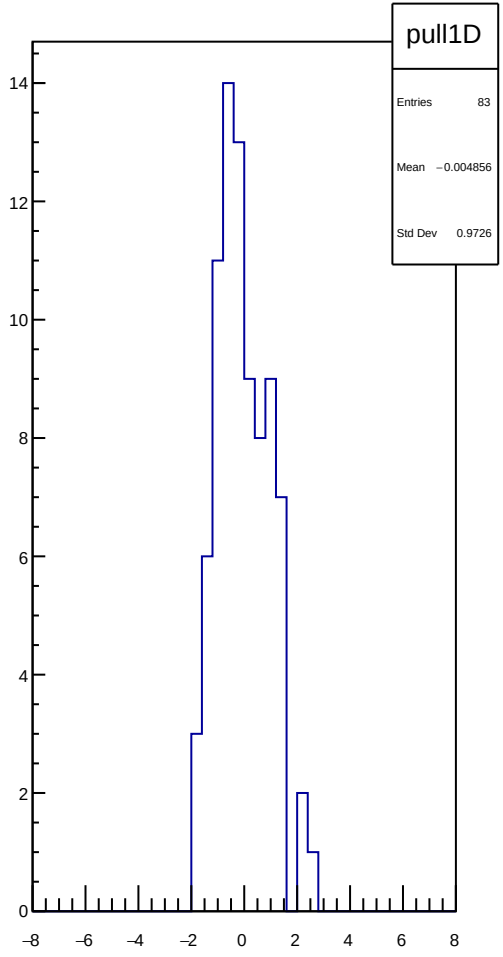

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 66.1 / 82
p0 −45.11 ± 33.24
1000
500
0
−500
−1000
pull
Entries 83
Mean 426.6
Std Dev 386.1
2
1
0
−1
−2

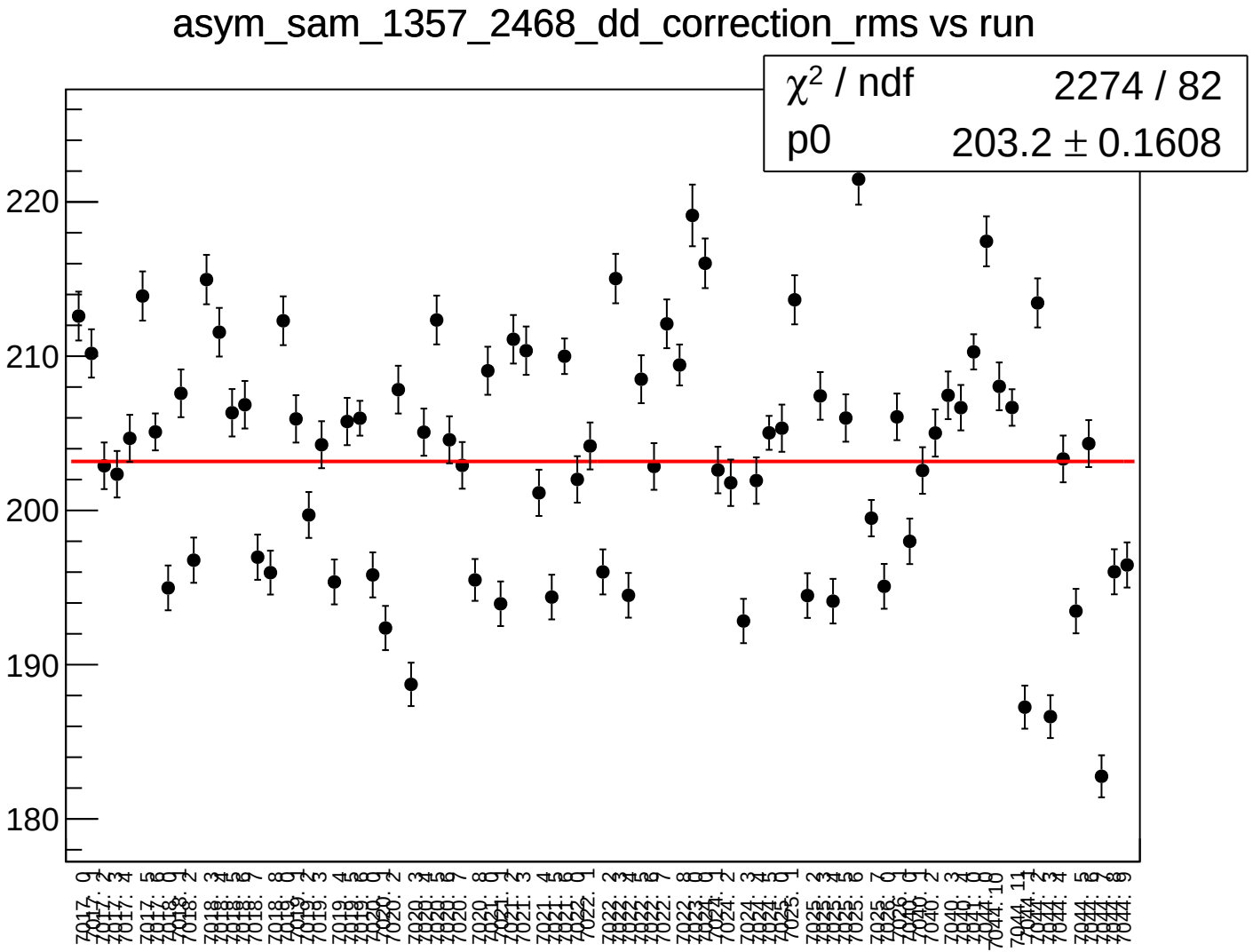

pull1D
Entries 83
Mean −0.00597
Std Dev 0.8924
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

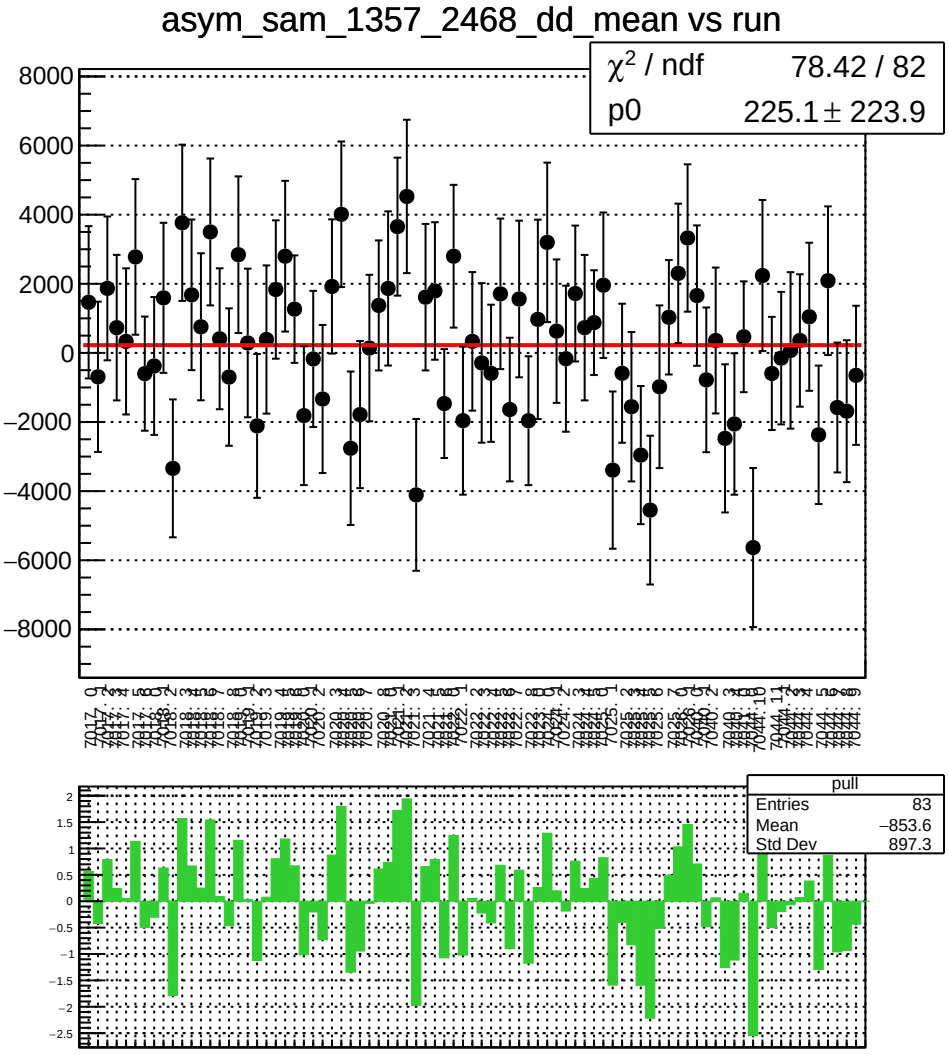
dit_asym_sam_1357_2468_dd_rms vs run

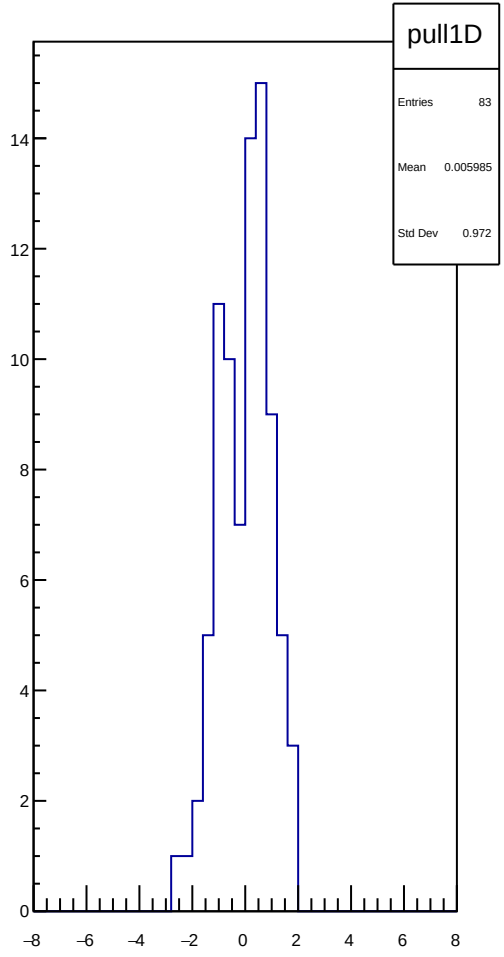


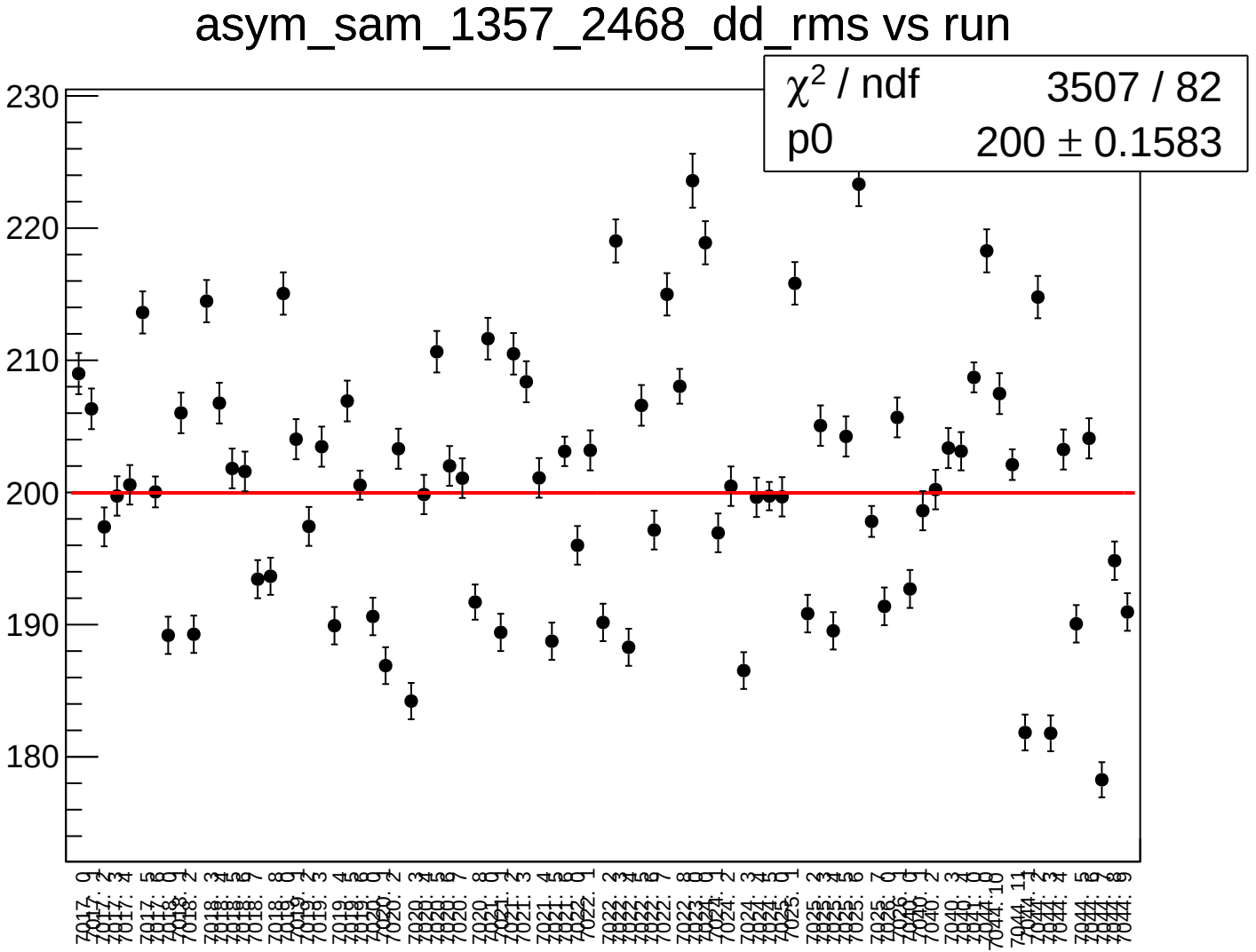

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 78.52 / 82
p0 −306.8 ± 227.4
pull
Entries 83
Mean −957.4
Std Dev 1001

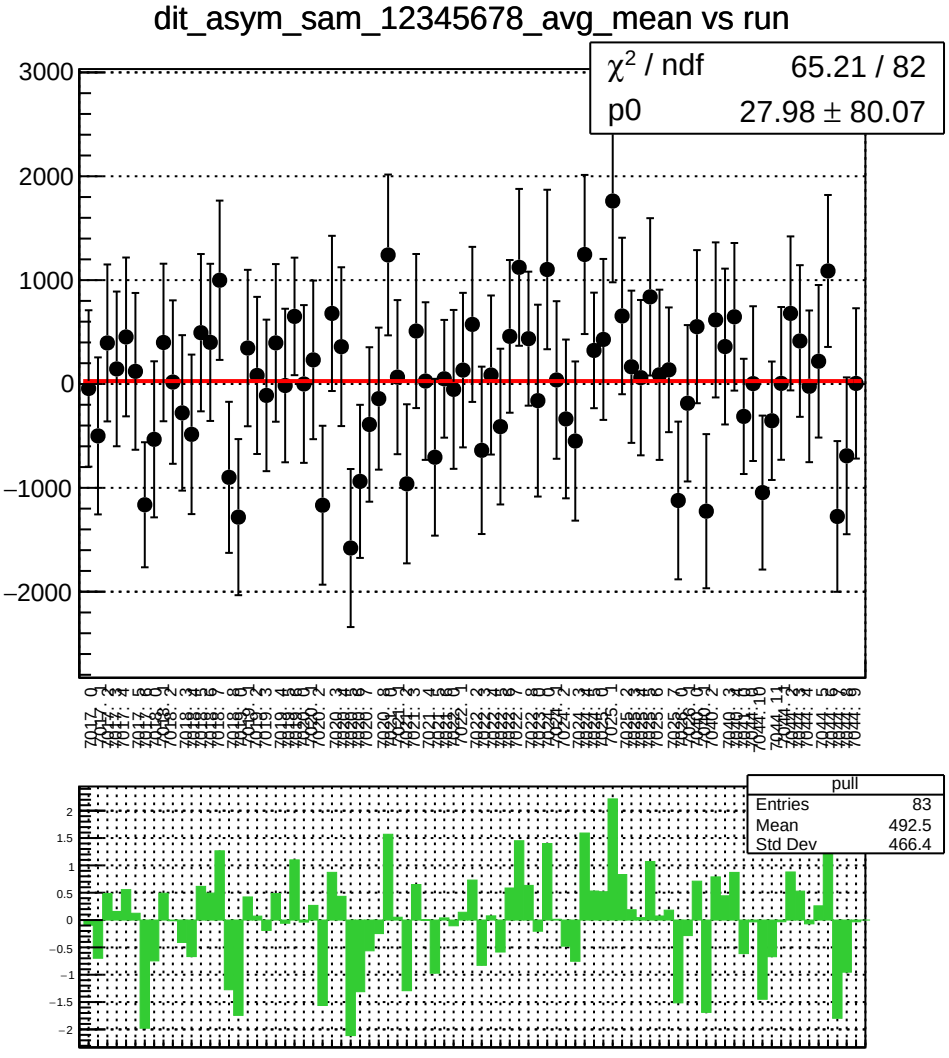

pull1D
Entries 83
Mean −0.004856
Std Dev 0.9726

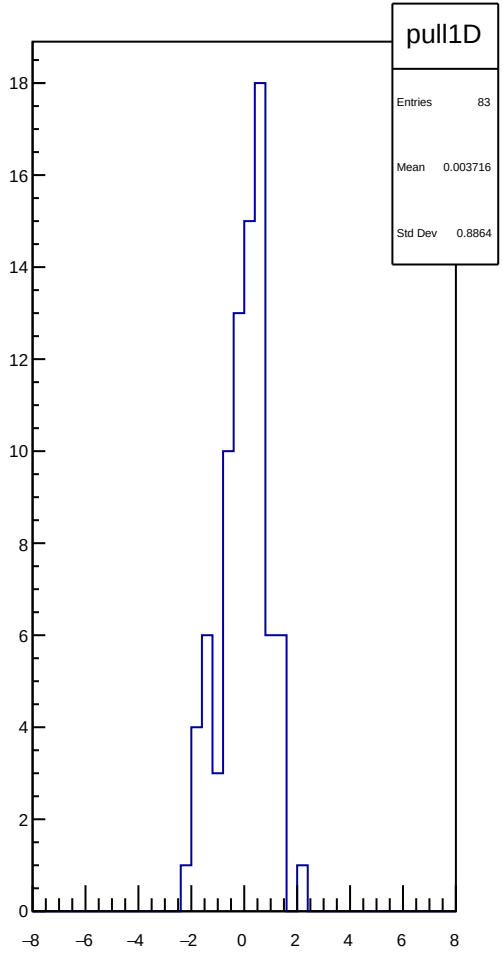

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2274 / 82
p0 203.2 ± 0.1608
220
210
200
190
180

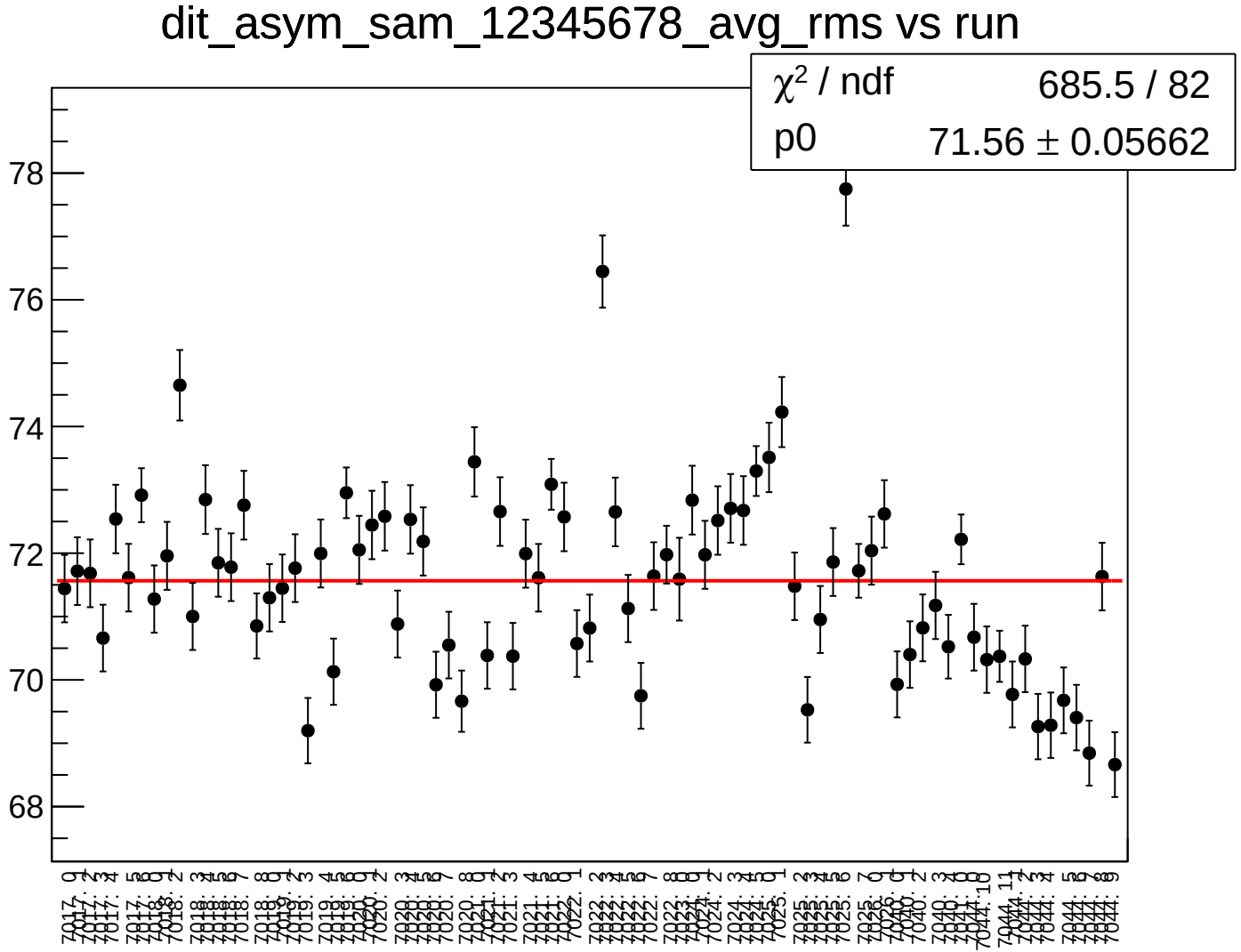

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.42 / 82
p0 225.1 ± 223.9
pull
Entries 83
Mean −853.6
Std Dev 897.3

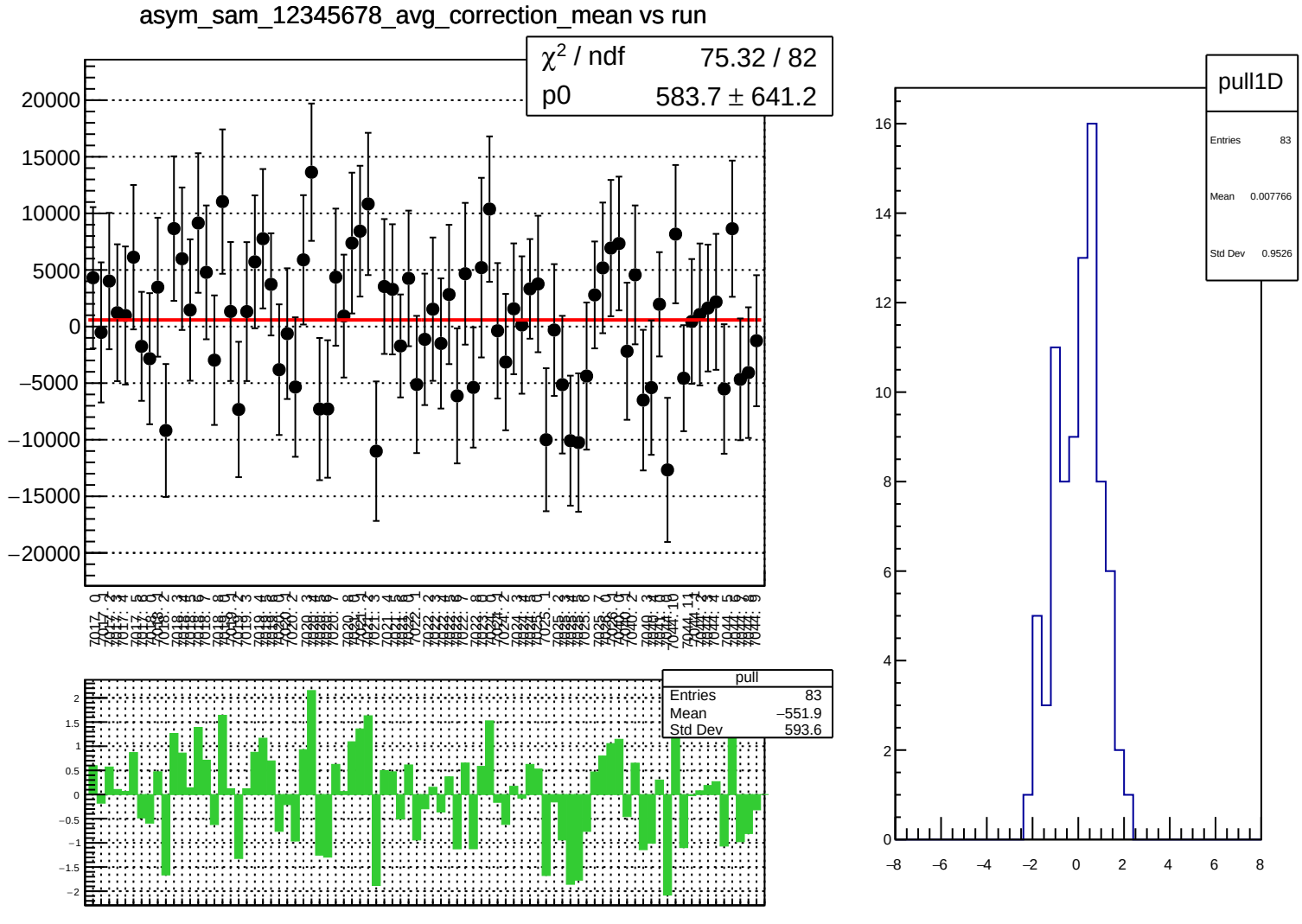

pull1D
Entries 83
Mean 0.005985
Std Dev 0.972

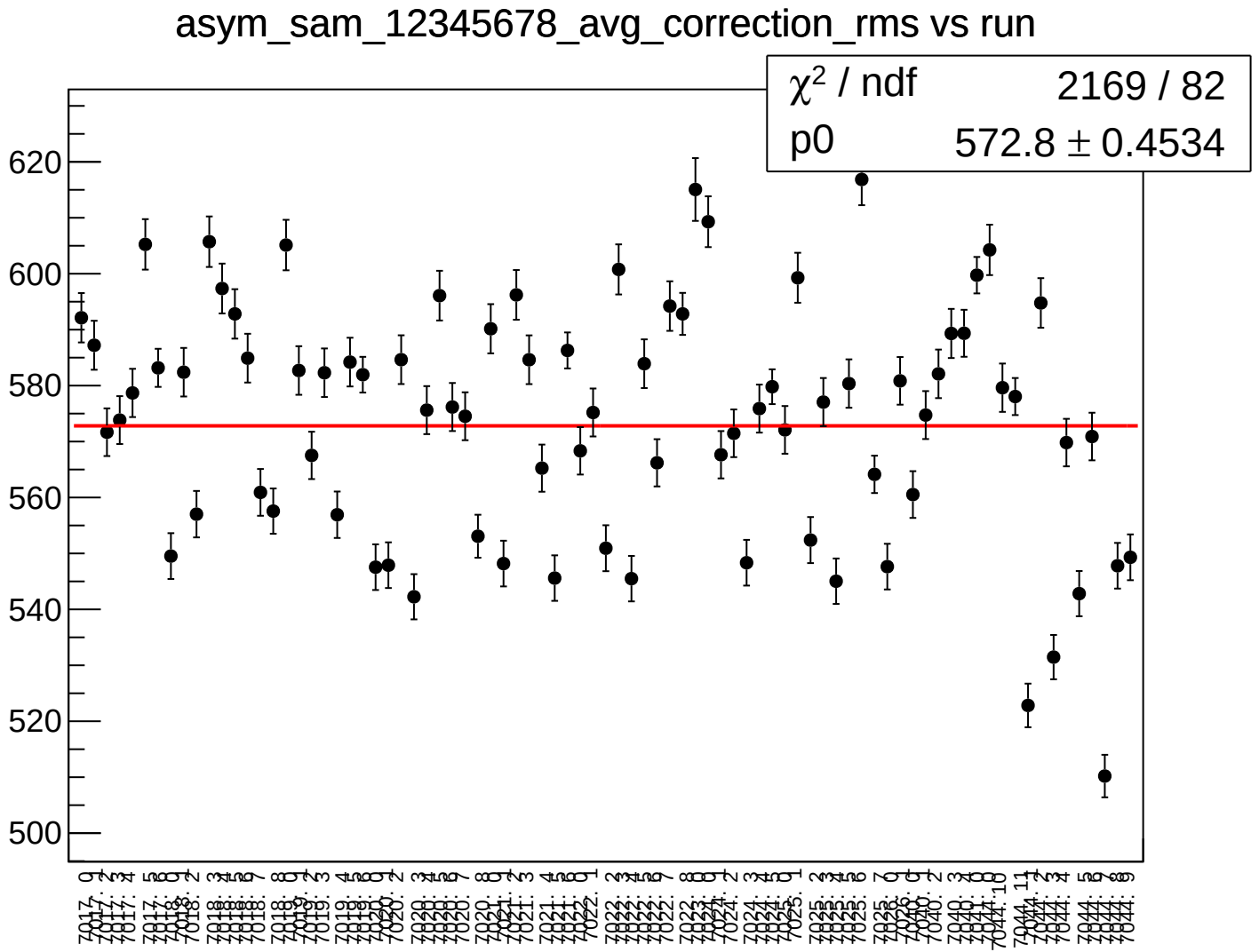

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3507 / 82
p0 200 ± 0.1583
230
220
210
200
190
180

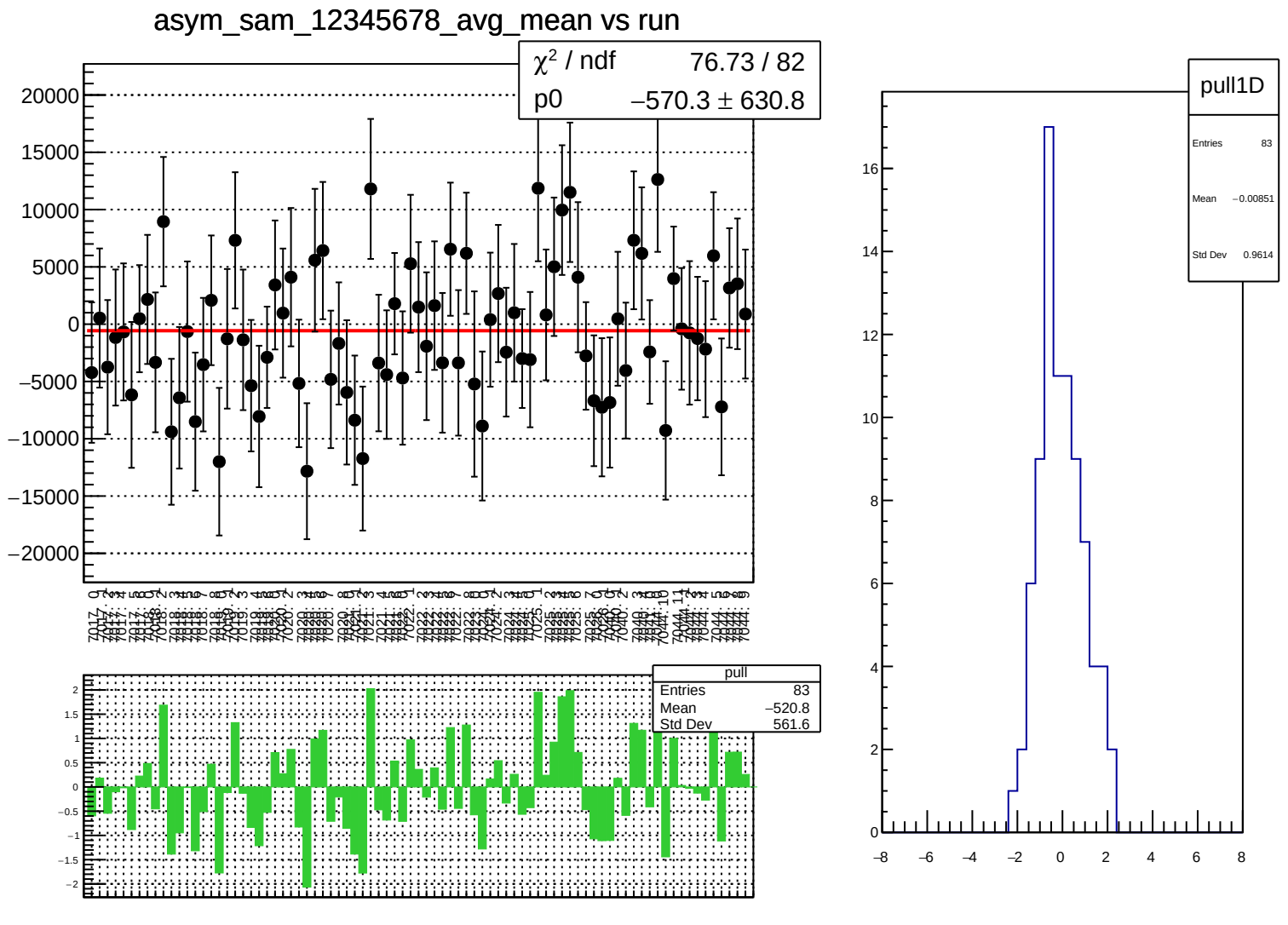

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 65.21 / 82
p0 27.98 ± 80.07
pull
Entries 83
Mean 492.5
Std Dev 466.4


pull1D
Entries 83
Mean 0.003716
Std Dev 0.8864

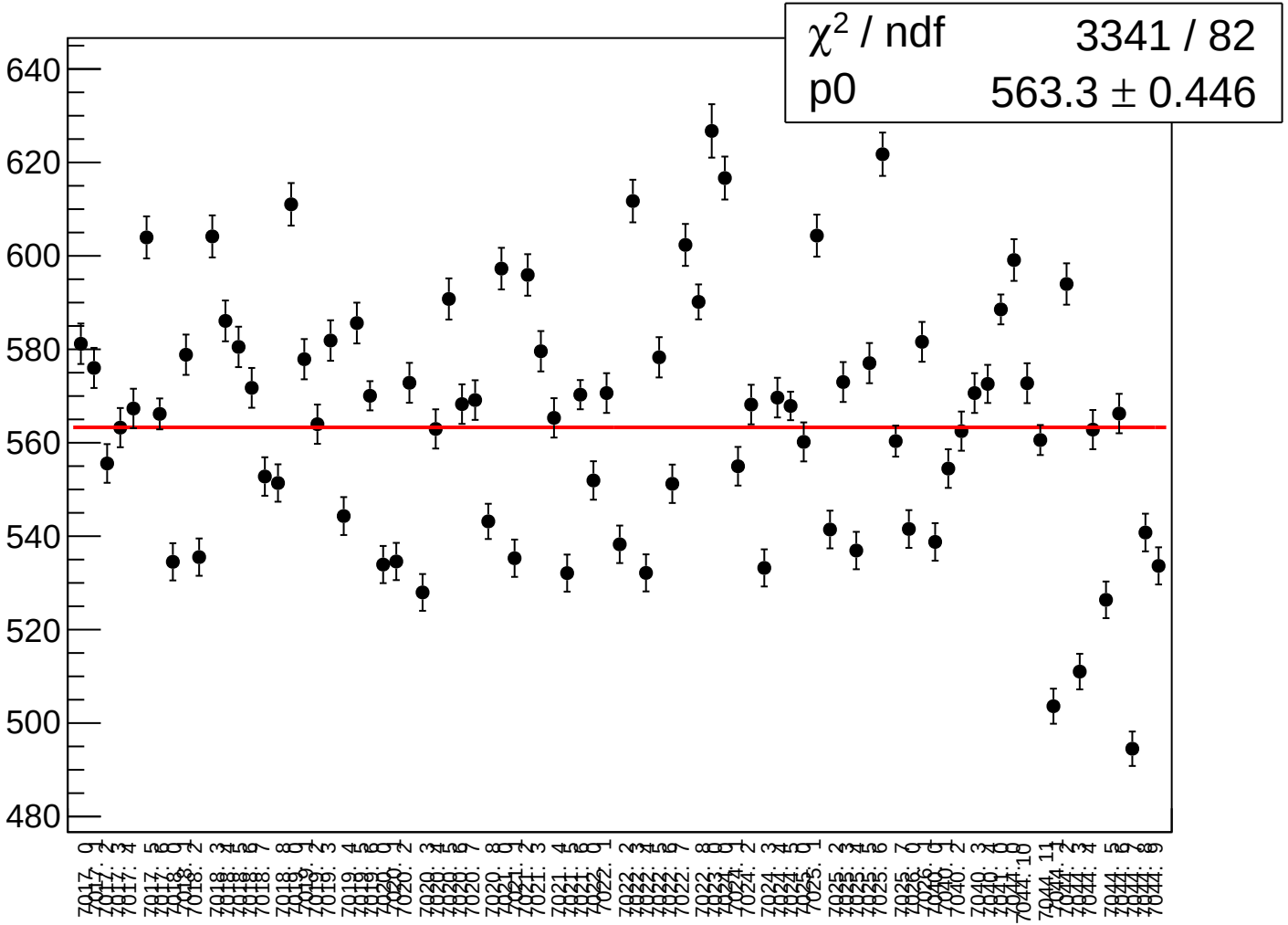

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 685.5 / 82
p0 71.56 ± 0.05662
78
76
74
72
70
68

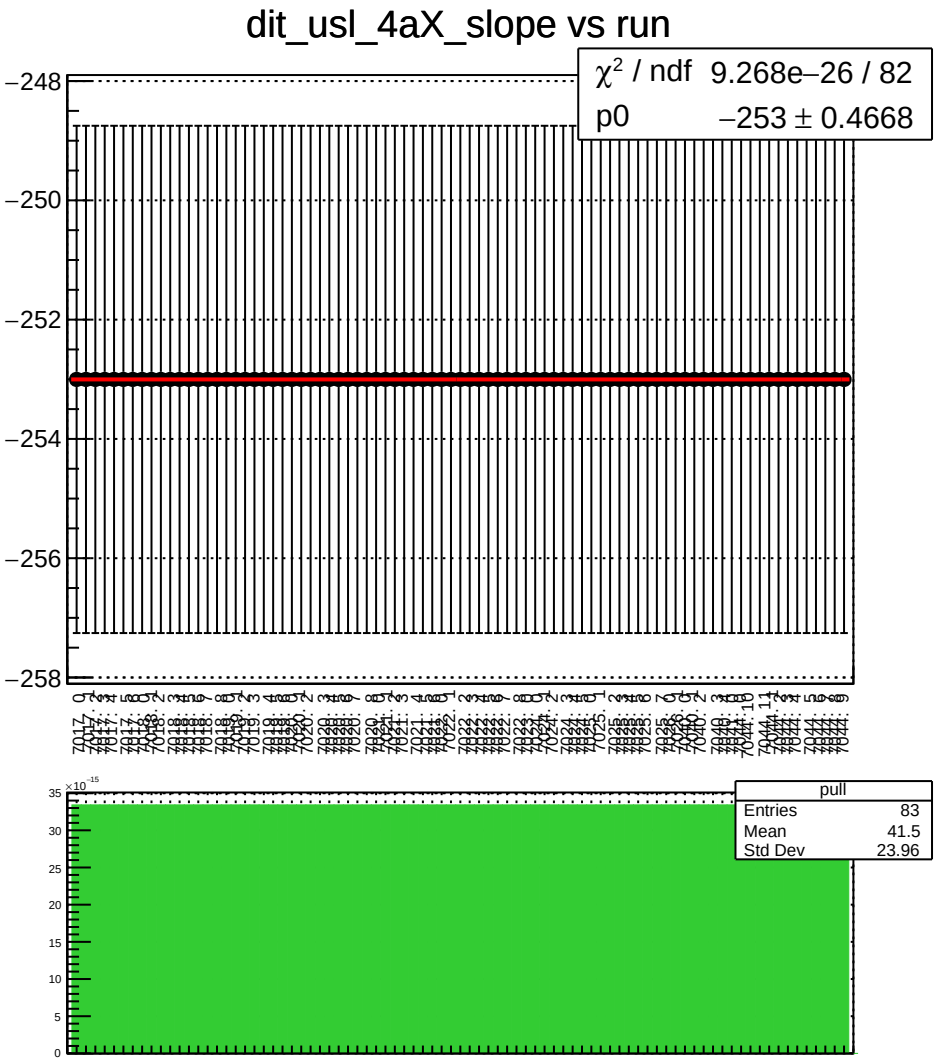

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 75.32 / 82
p0 583.7 ± 641.2
pull
Entries 83
Mean −551.9
Std Dev 593.6
pull1D
Entries 83
Mean 0.007766
Std Dev 0.9526

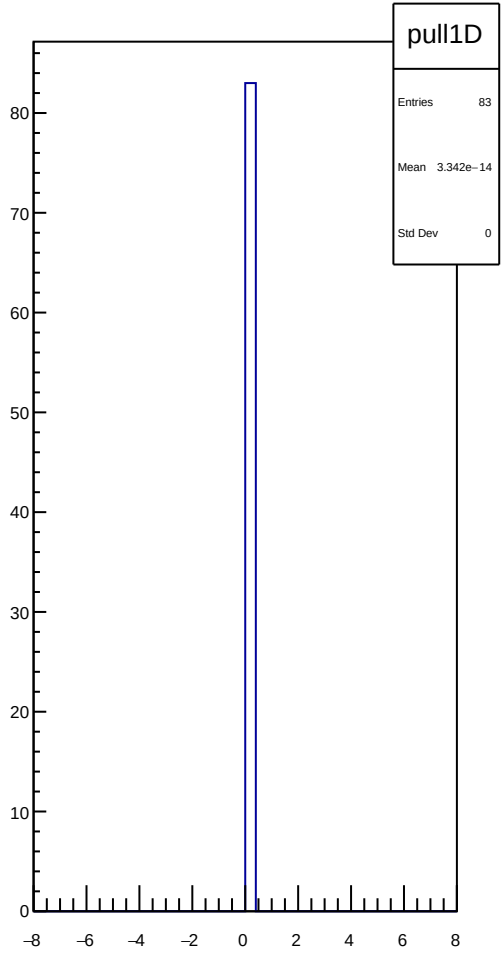

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2169 / 82
p0 572.8 ± 0.4534
620
600
580
560
540
520
500

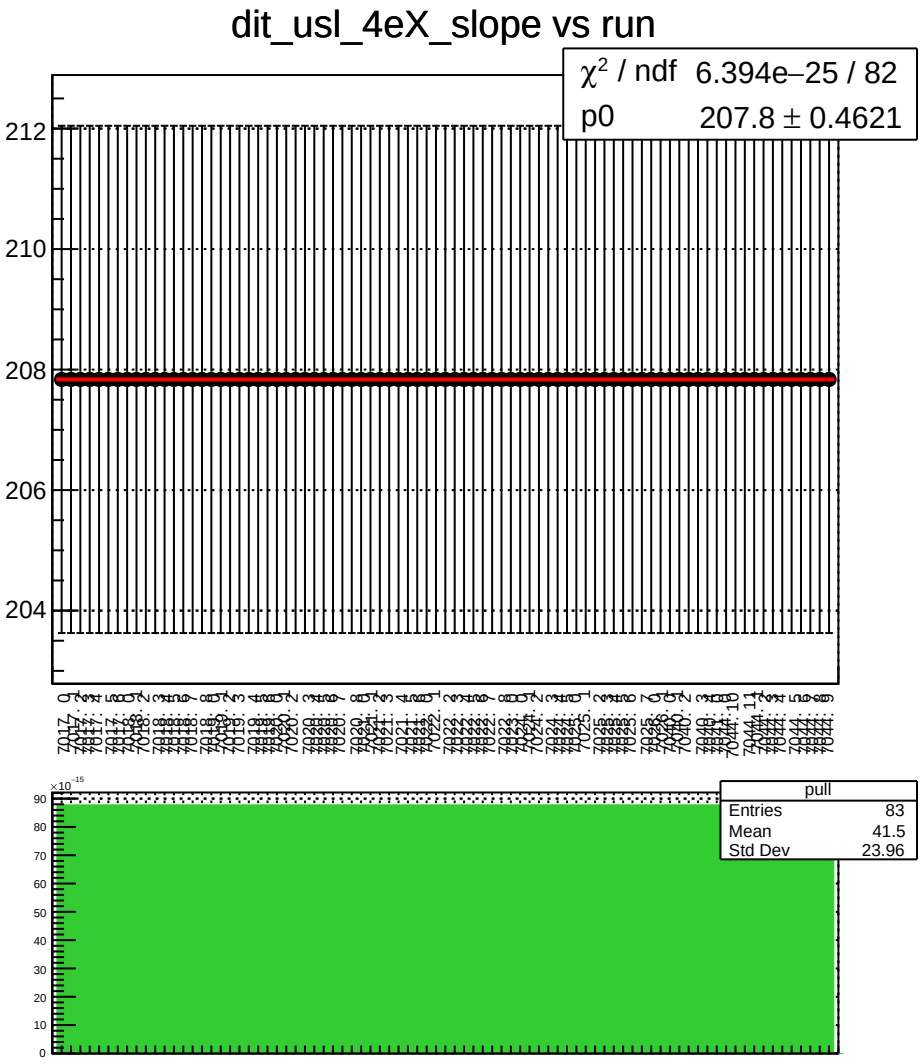

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.73 / 82
p0 −570.3 ± 630.8
pull
Entries 83
Mean −520.8
Std Dev 561.6
pull1D
Entries 83
Mean −0.00851
Std Dev 0.9614

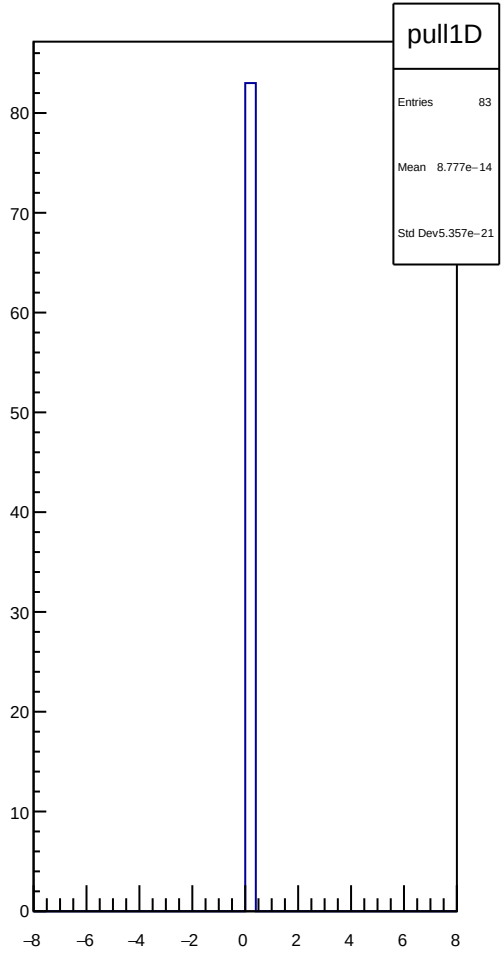
asym_sam_12345678_avg_rms vs run

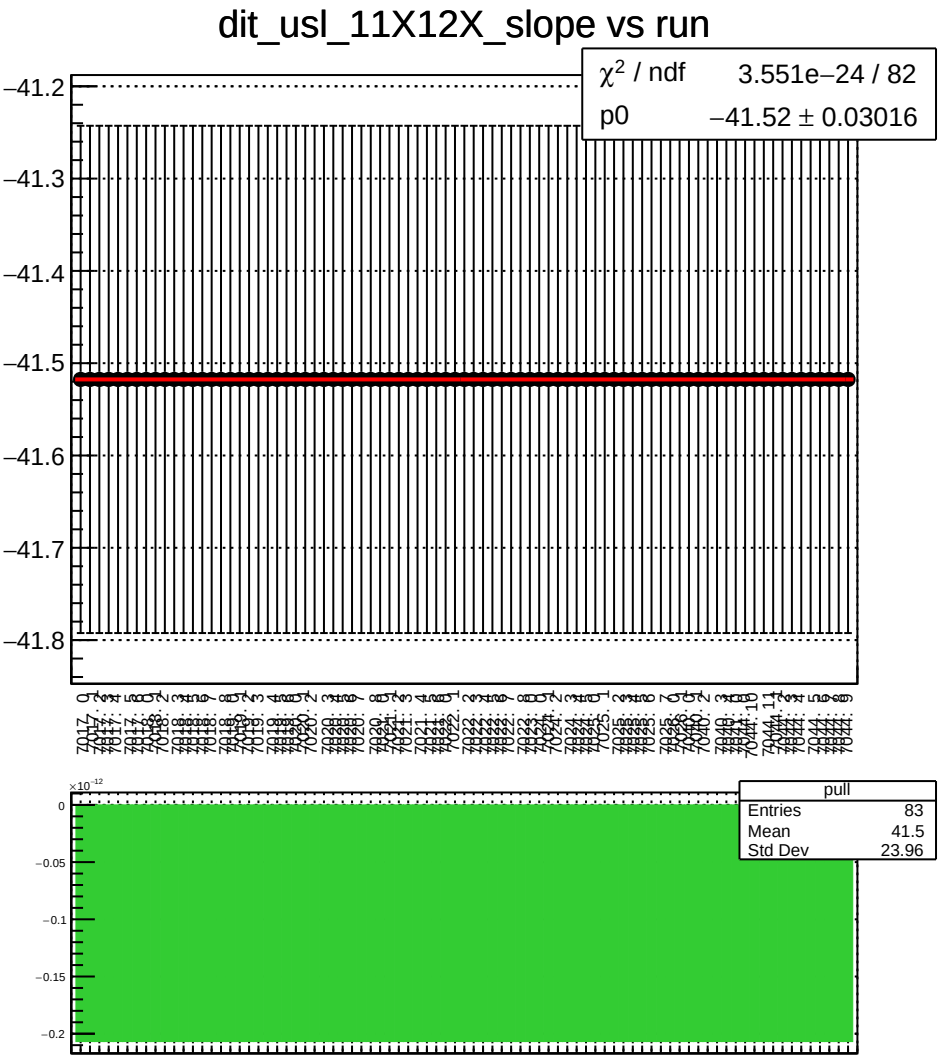


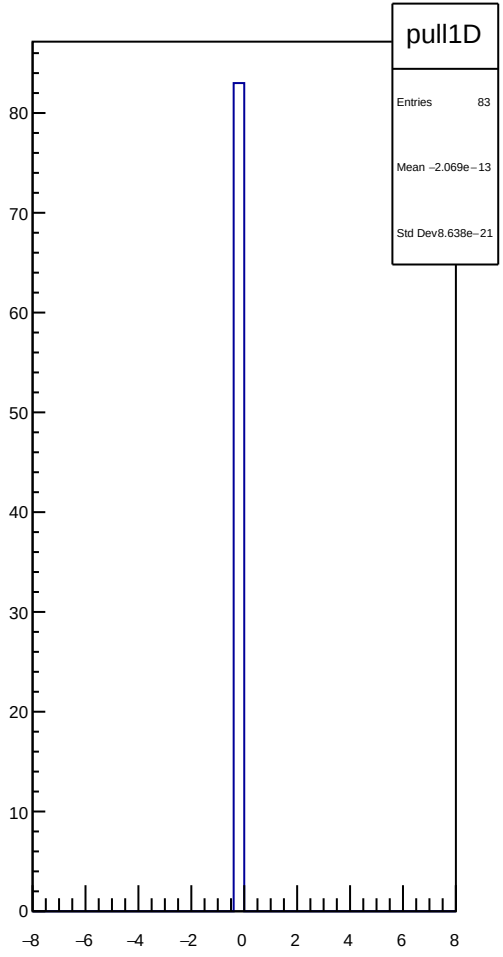

dit_usl_4aX_slope vs run
χ² / ndf 9.268e−26 / 82
p0 −253 ± 0.4668
−248
−250
−252
−254
−256
−258
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
35
30
25
20
15
10
5
0

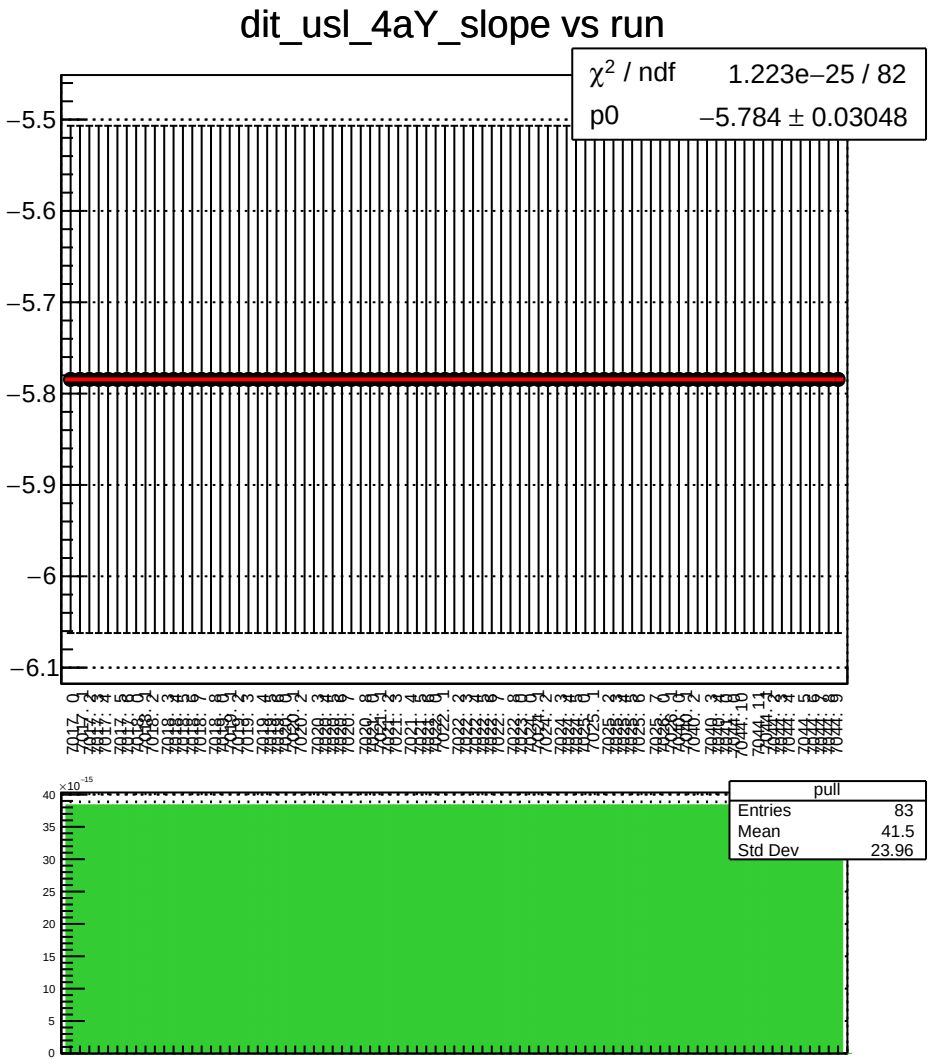

pull1D
Entries 83
Mean 3.342e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

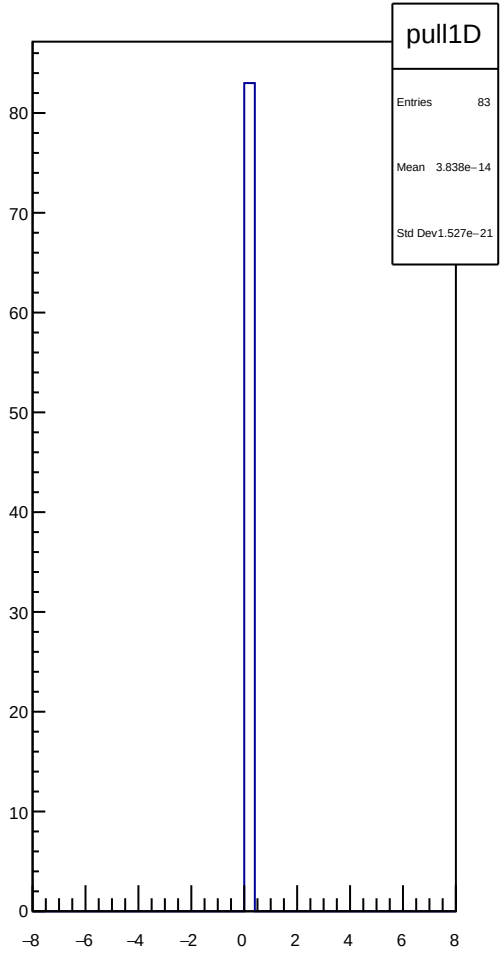

dit_usl_4eX_slope vs run
χ² / ndf 6.394e−25 / 82
p0 207.8 ± 0.4621
212
210
208
206
204
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

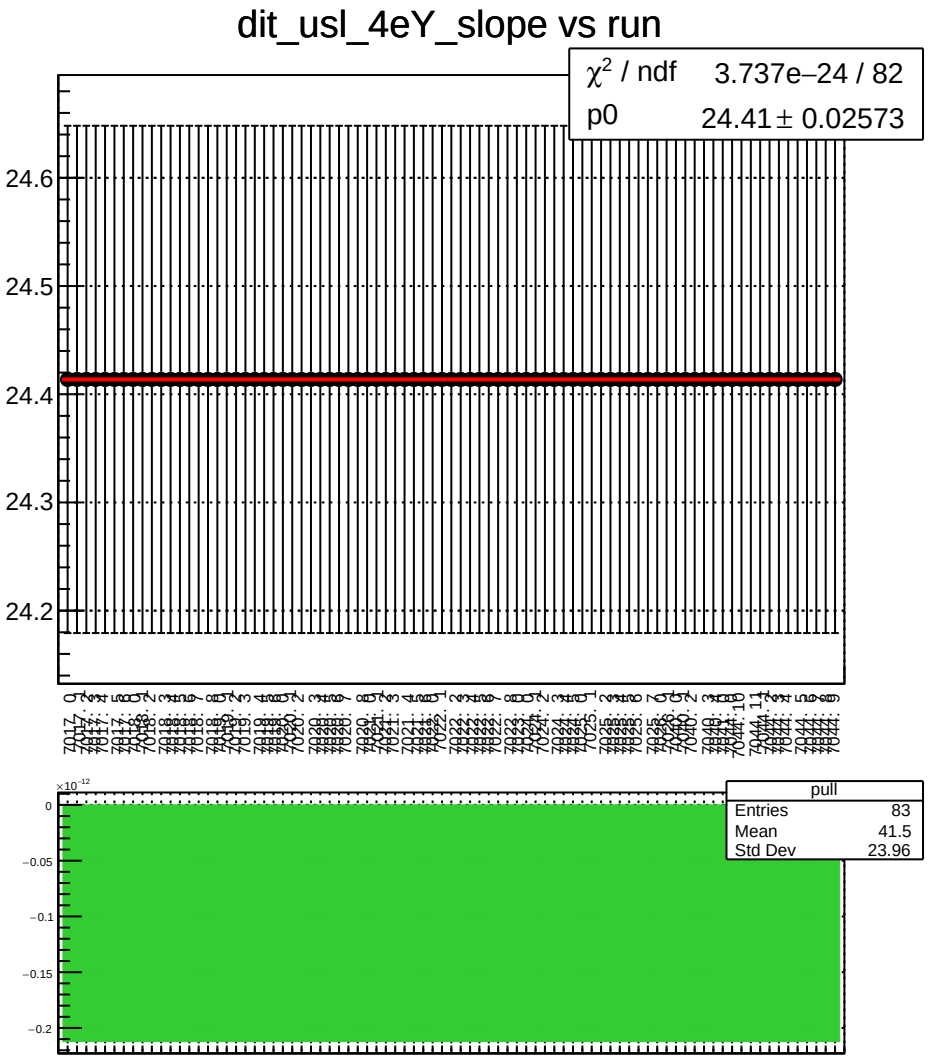

pull1D
Entries 83
Mean 8.777e−14
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

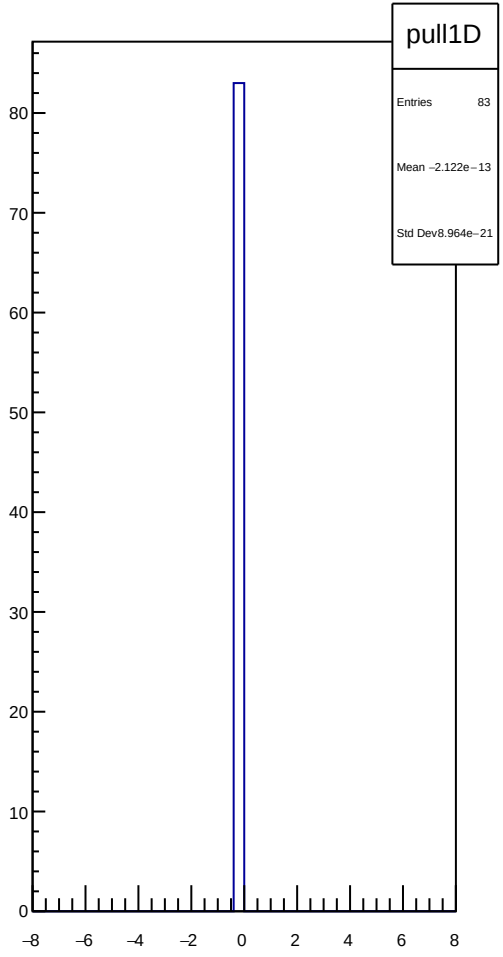

dit_usl_11X12X_slope vs run
χ² / ndf 3.551e−24 / 82
p0 −41.52 ± 0.03016
−41.2
−41.3
−41.4
−41.5
−41.6
−41.7
−41.8
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

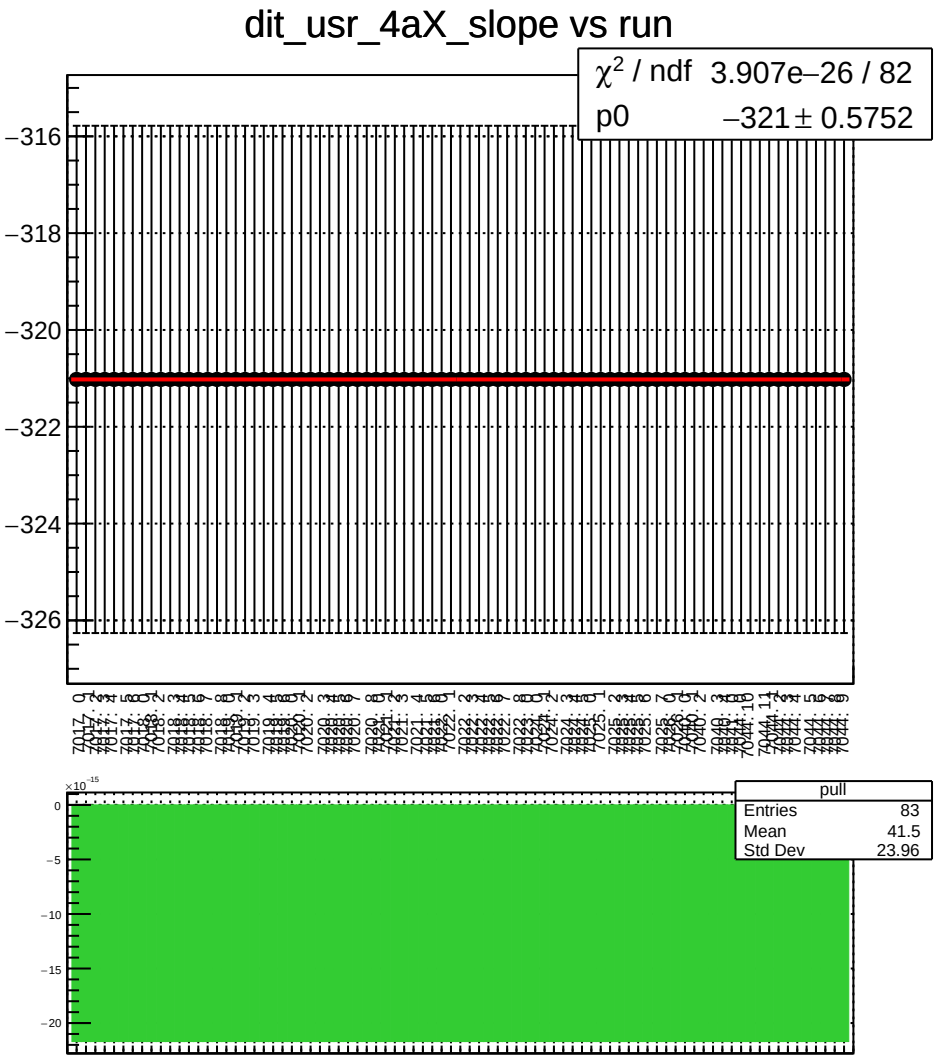

pull1D
Entries 83
Mean −2.069e−13
Std Dev 8.638e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

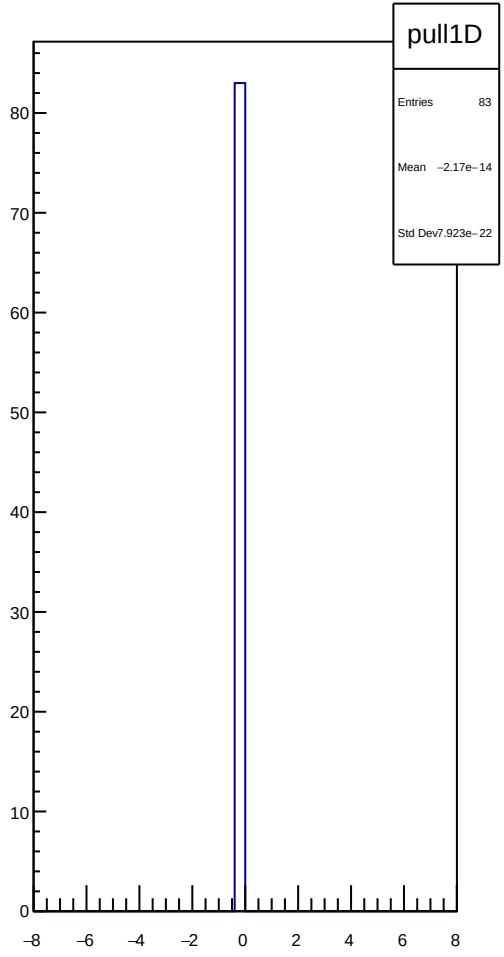

dit_usl_4aY_slope vs run
χ² / ndf 1.223e−25 / 82
p0 −5.784 ± 0.03048
−5.5
−5.6
−5.7
−5.8
−5.9
−6
−6.1
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

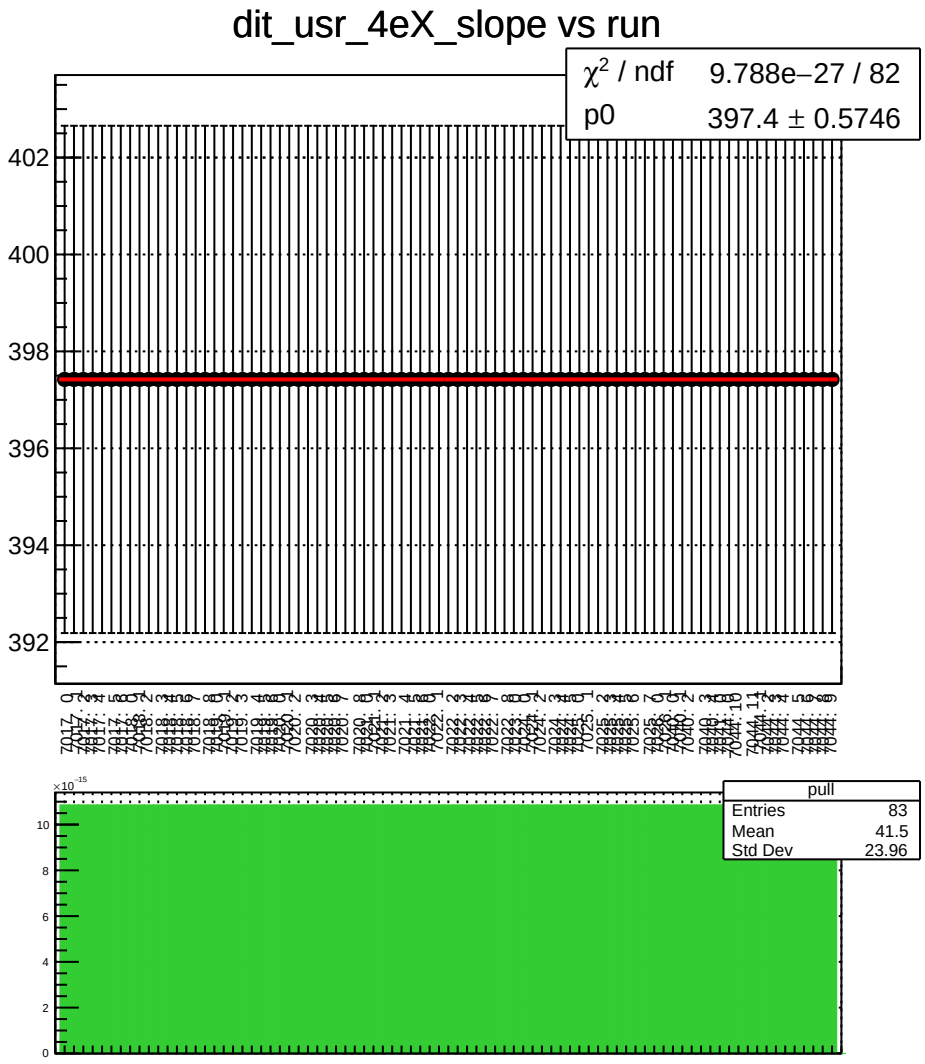

pull1D
Entries 83
Mean 3.838e−14
Std Dev 1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

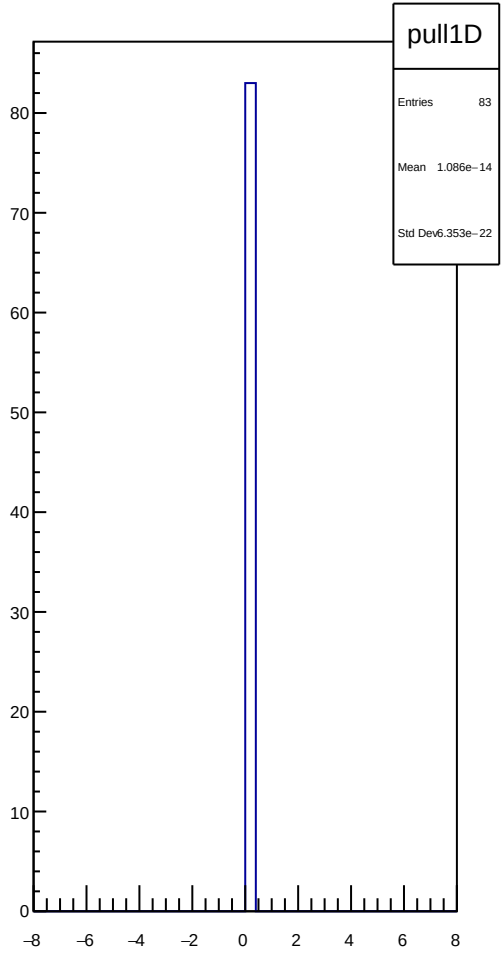

dit_usl_4eY_slope vs run
χ² / ndf 3.737e−24 / 82
p0 24.41 ± 0.02573
24.6
24.5
24.4
24.3
24.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

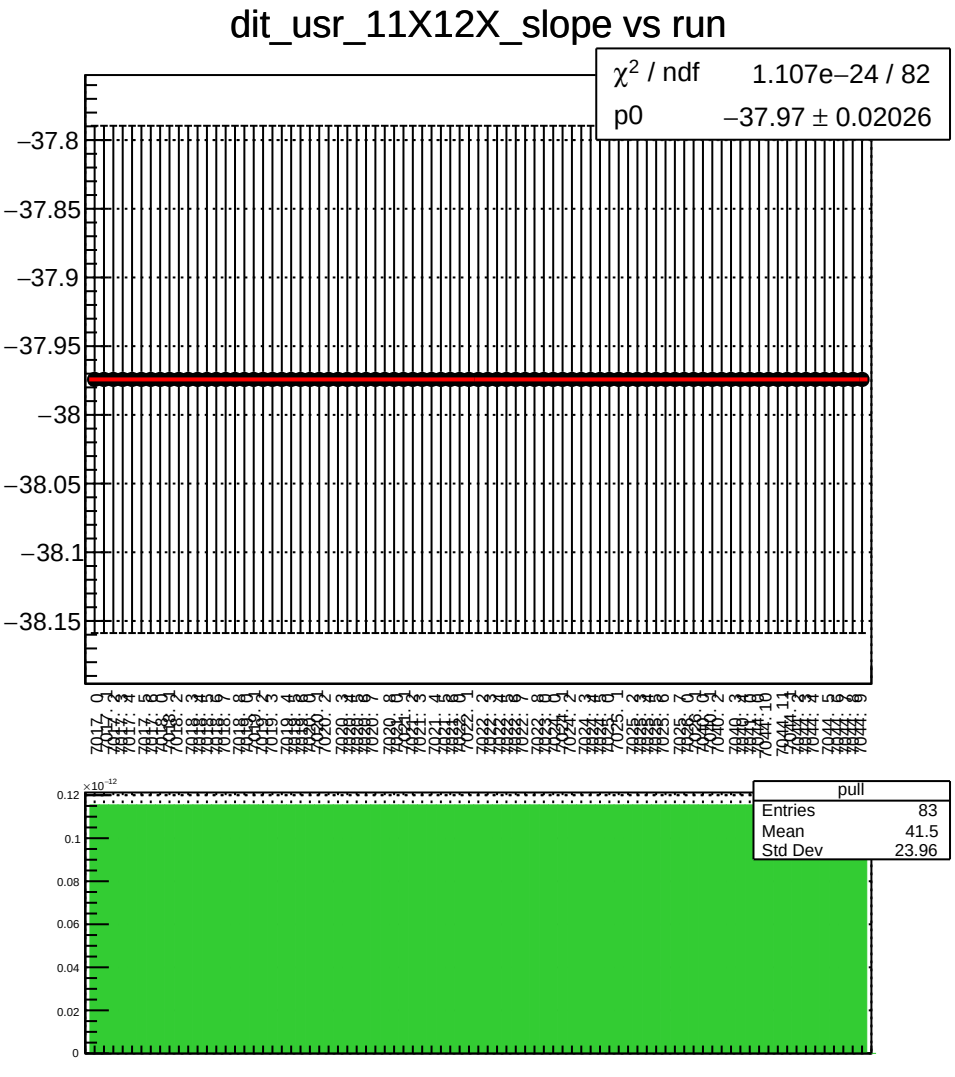

pull1D
Entries 83
Mean −2.122e−13
Std Dev 8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

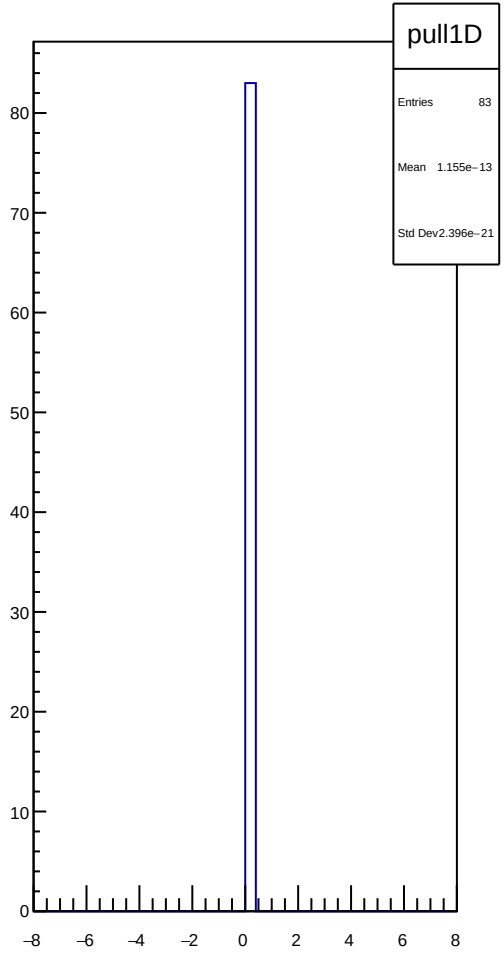

dit_usr_4aX_slope vs run
χ^2 / ndf 3.907e−26 / 82
p0 −321 ± 0.5752
−316
−318
−320
−322
−324
−326
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−5
−10
−15
−20

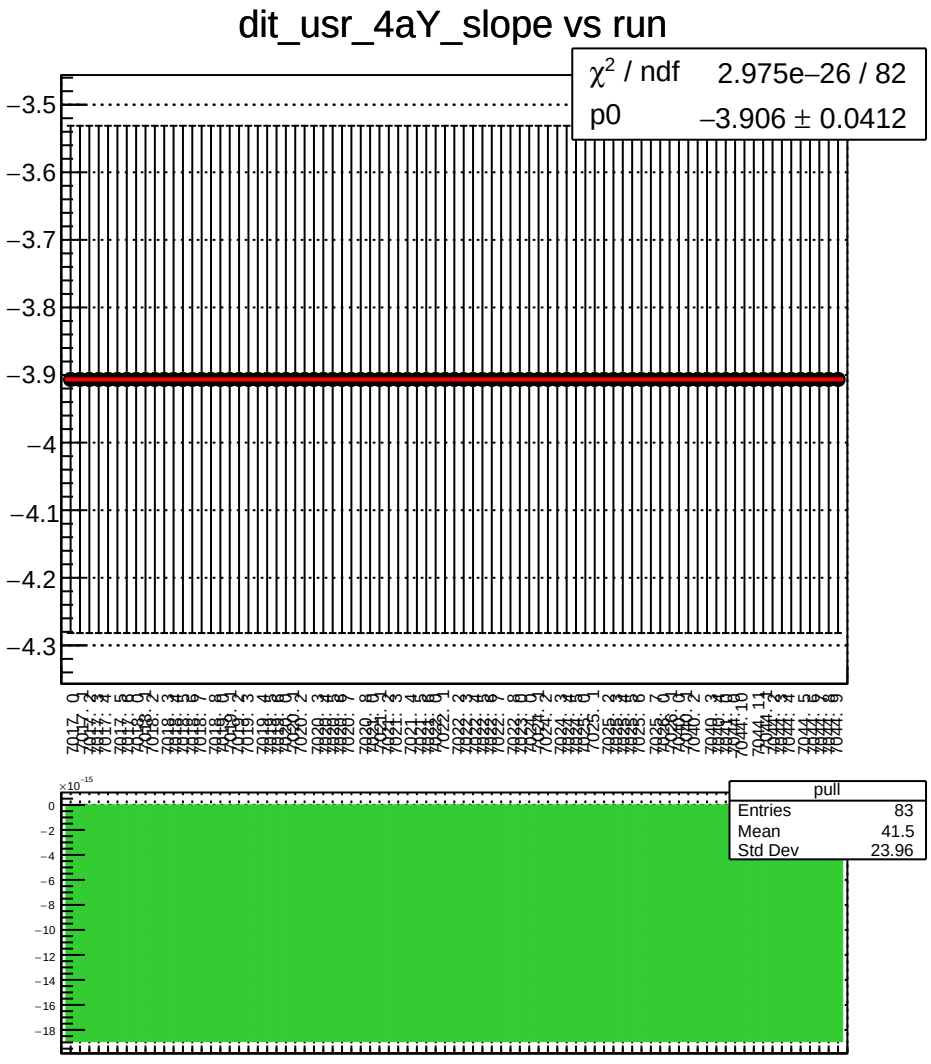

pull1D
Entries 83
Mean −2.17e−14
Std Dev 7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

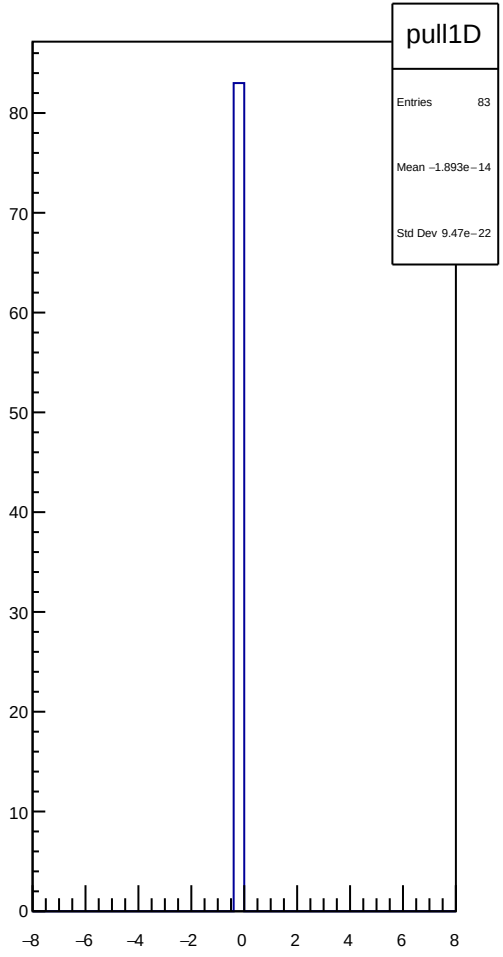

dit_usr_4eX_slope vs run
χ^2 / ndf 9.788e−27 / 82
p0 397.4 ± 0.5746
402
400
398
396
394
392
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-15
10
8
6
4
2
0


pull1D
Entries 83
Mean 1.086e−14
Std Dev 6.353e−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 1.107e−24 / 82
p0 −37.97 ± 0.02026
−37.8
−37.85
−37.9
−37.95
−38
−38.05
−38.1
−38.15
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 83
Mean 1.155e−13
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_4aY_slope vs run
χ^2 / ndf 2.975e−26 / 82
p0 −3.906 ± 0.0412
−3.5
−3.6
−3.7
−3.8
−3.9
−4
−4.1
−4.2
−4.3
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18


pull1D
Entries 83
Mean −1.893e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
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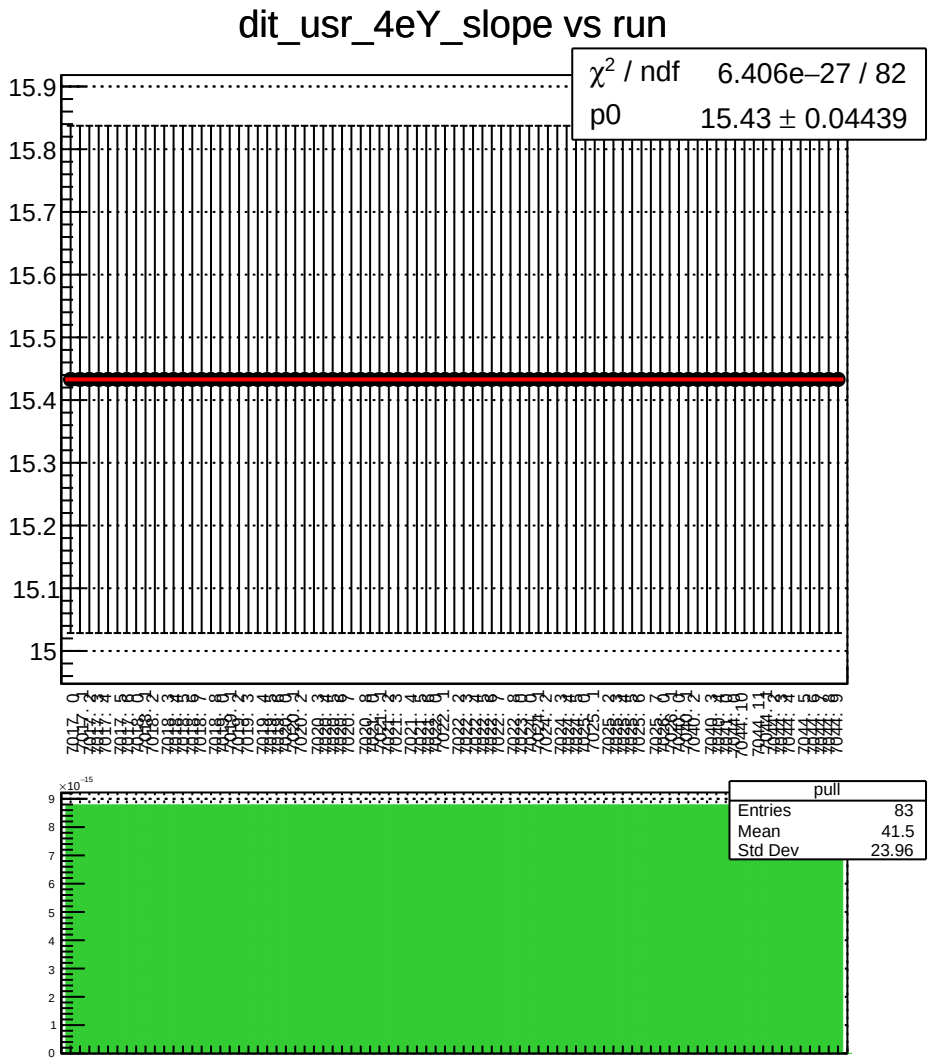
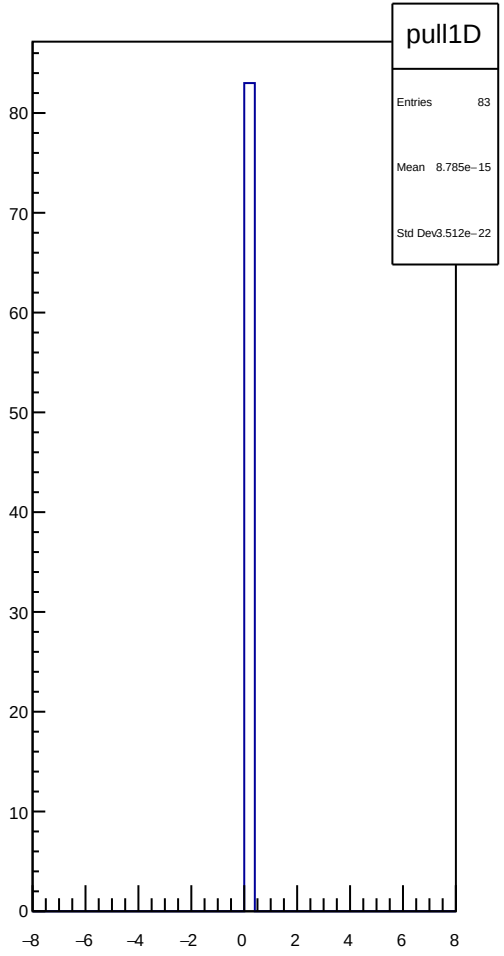
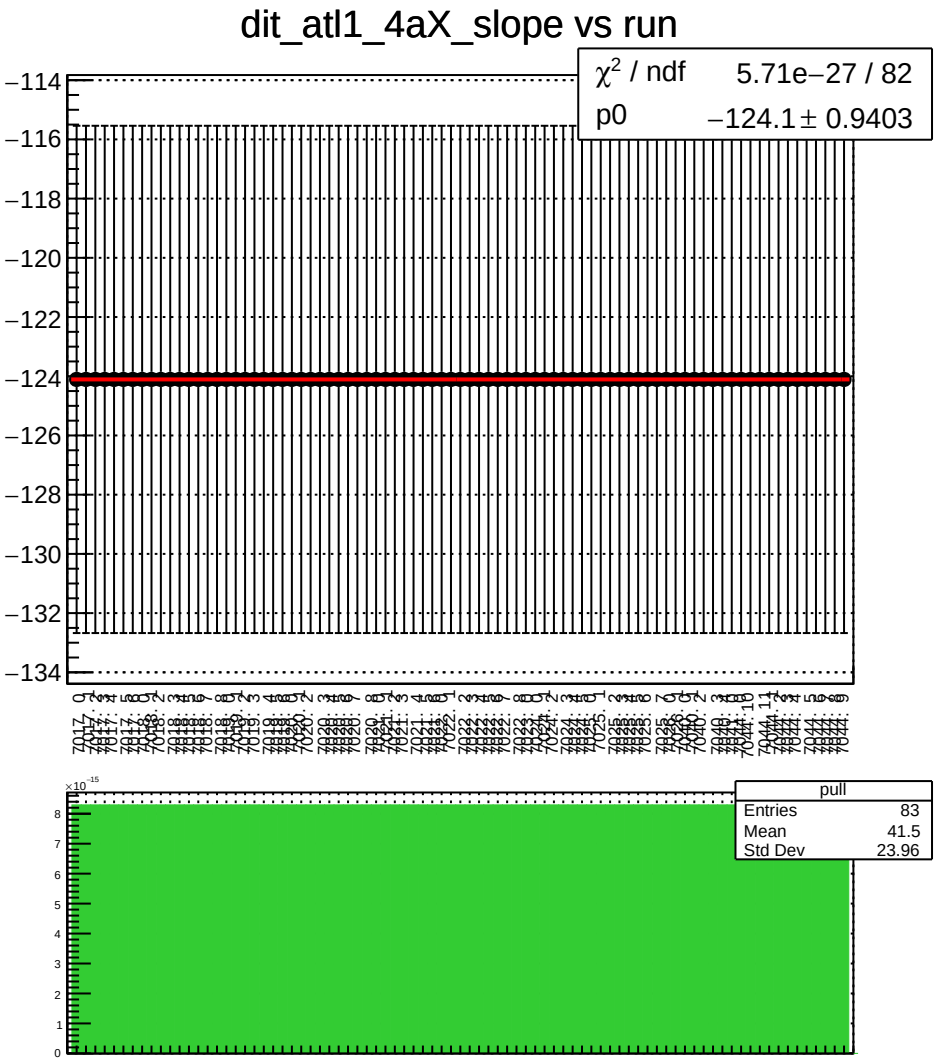
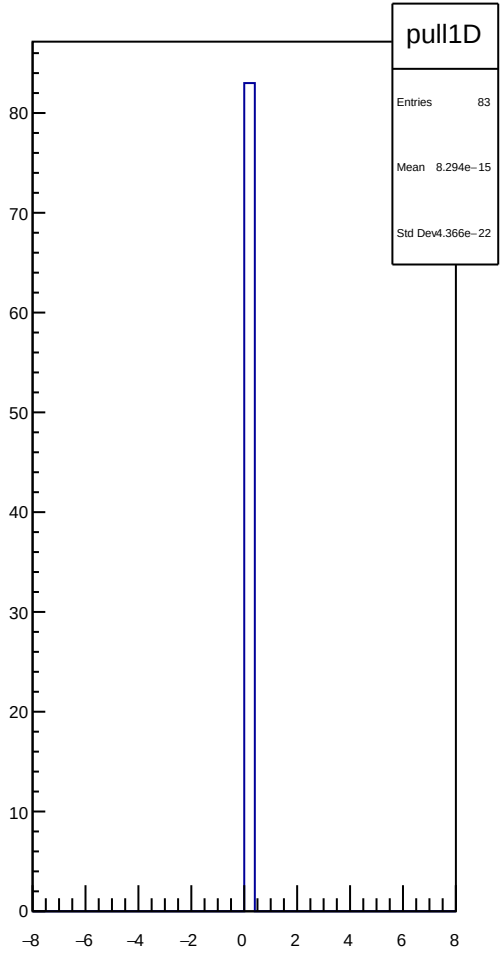
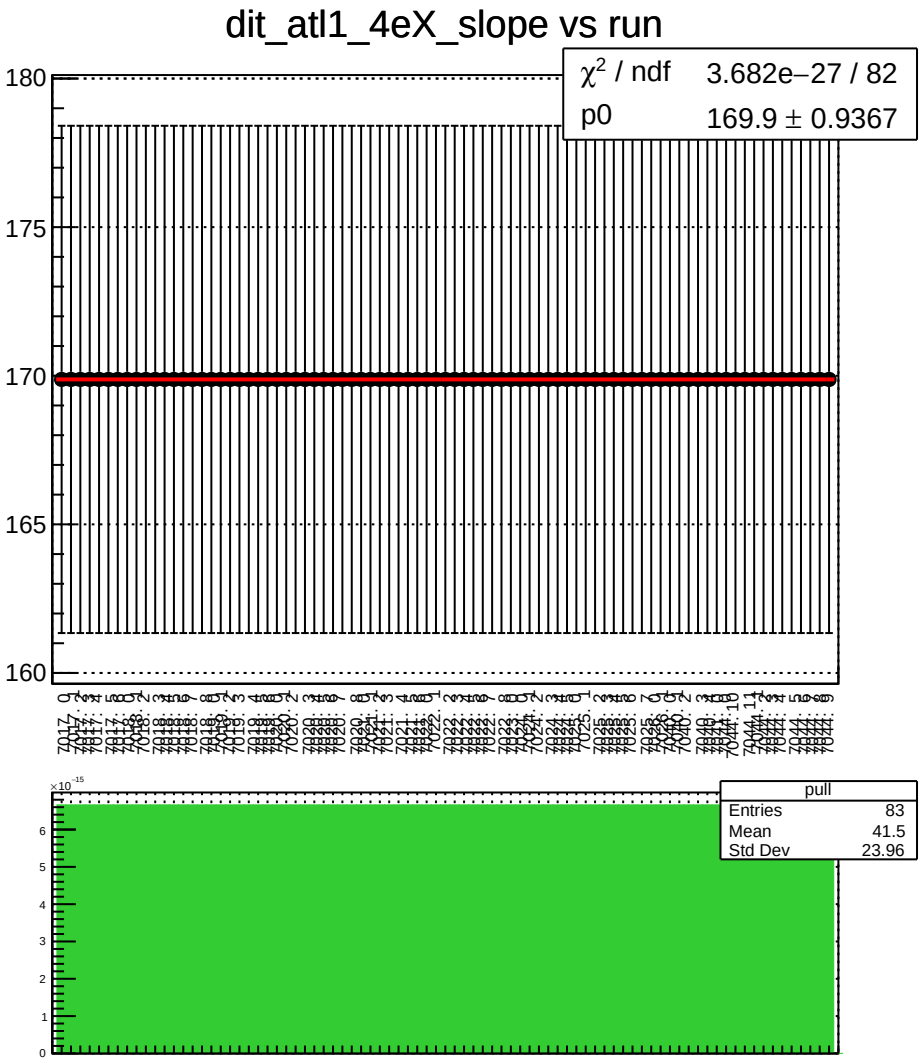
−4
−2
0
2
4
6
8

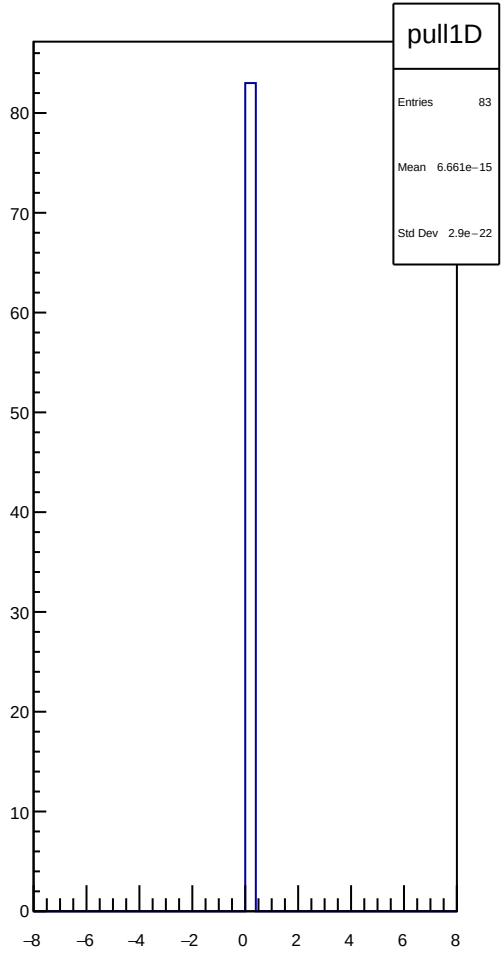

dit_usr_4eY_slope vs run
χ² / ndf 6.406e−27 / 82
p0 15.43 ± 0.04439
15.9
15.8
15.7
15.6
15.5
15.4
15.3
15.2
15.1
15
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵

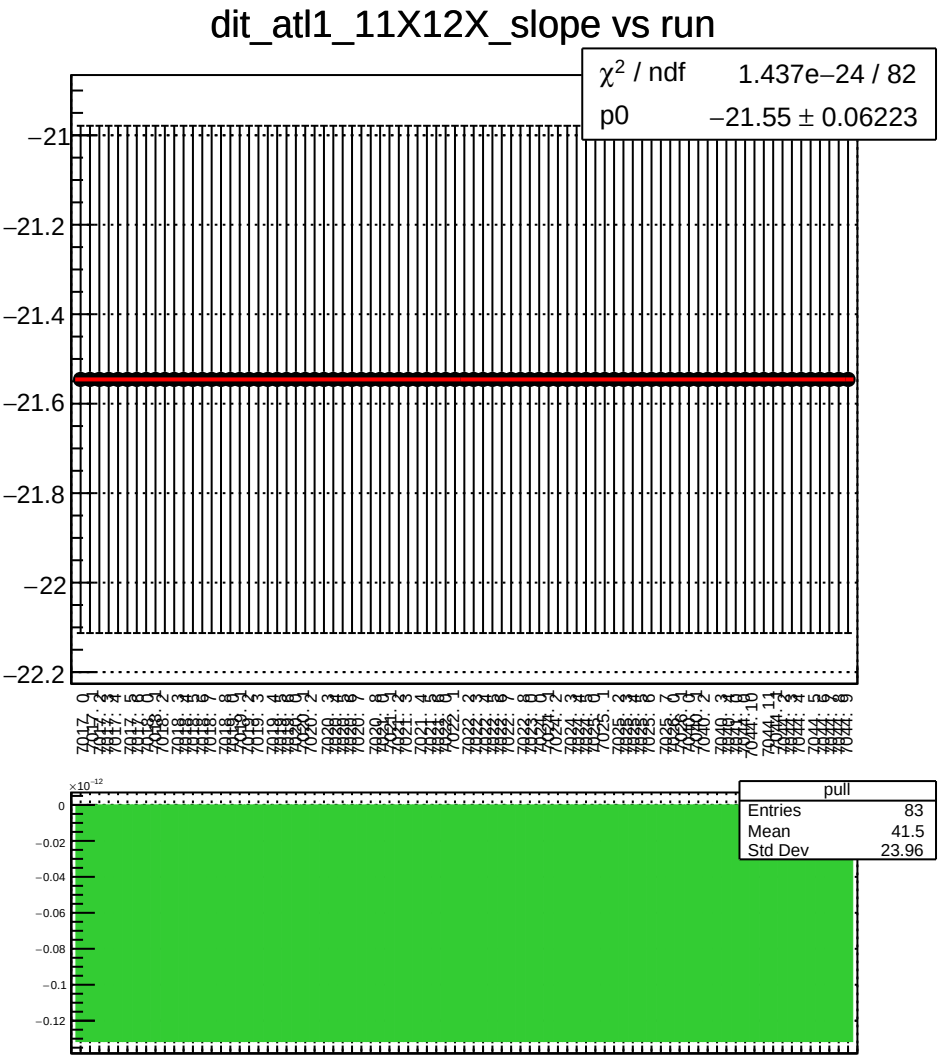

pull1D
Entries 83
Mean 8.785e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

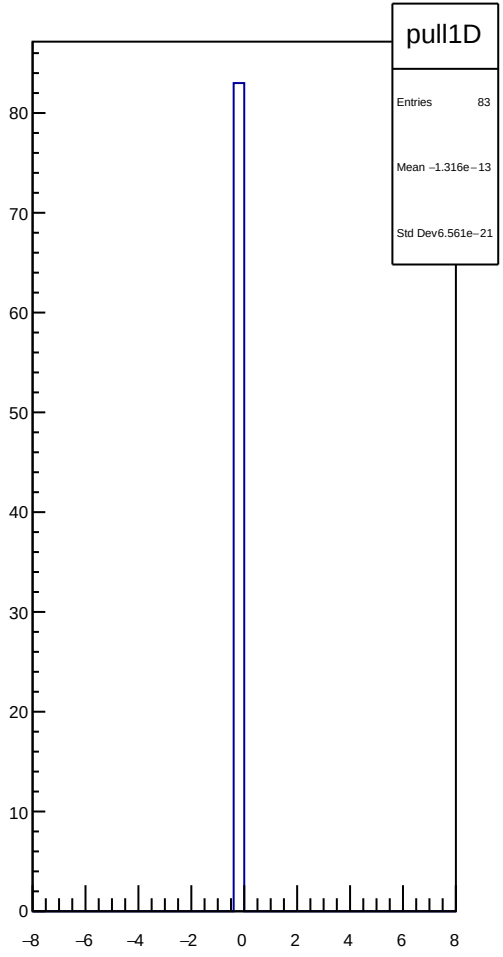

dit_atl1_4aX_slope vs run
χ^2 / ndf 5.71e−27 / 82
p0 −124.1 ± 0.9403
pull
Entries 83
Mean 41.5
Std Dev 23.96

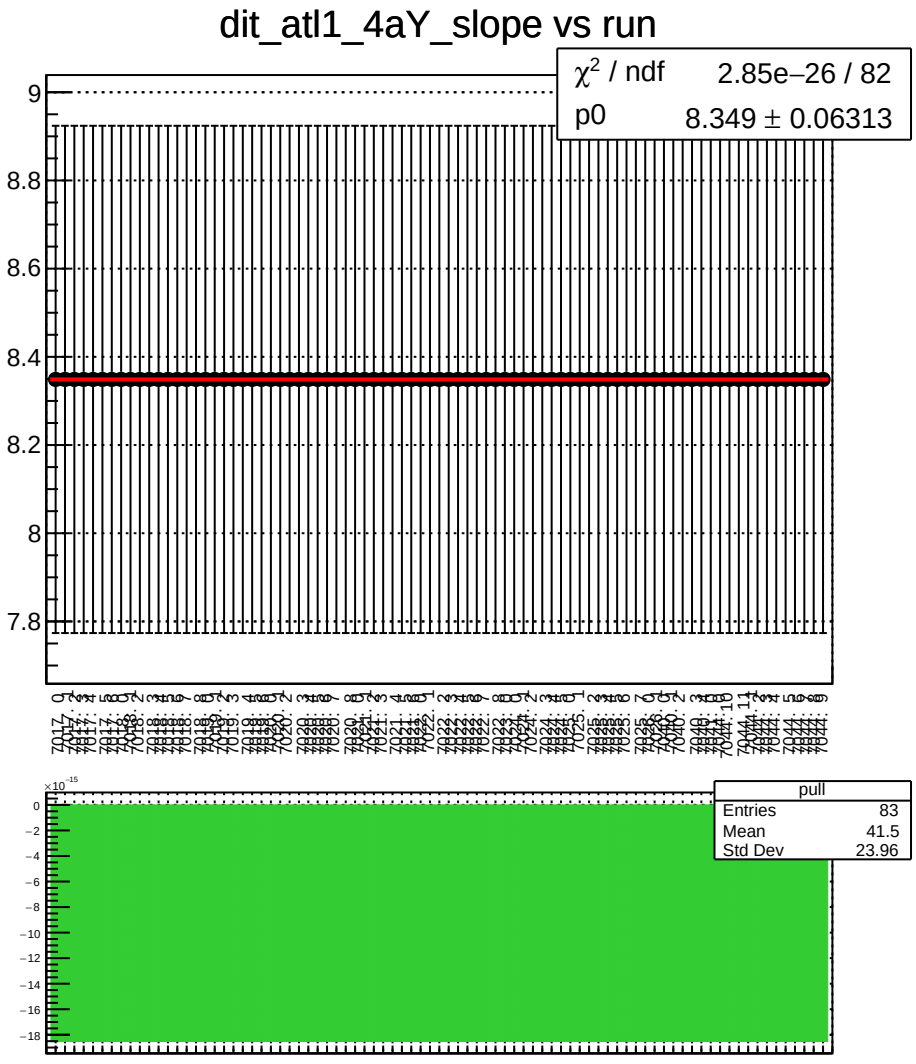

pull1D
Entries 83
Mean 8.294e−15
Std Dev 4.366e−22

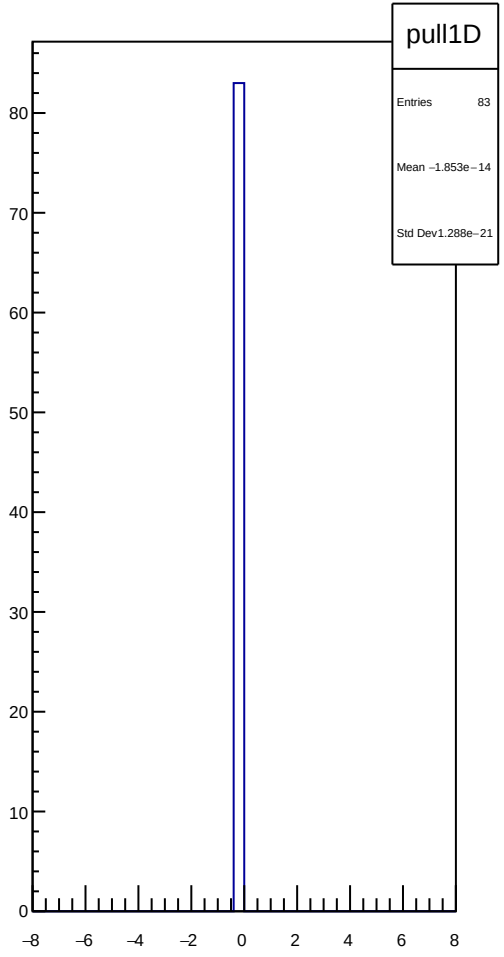

dit_atl1_4eX_slope vs run
χ² / ndf 3.682e−27 / 82
p0 169.9 ± 0.9367
180
175
170
165
160
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
6
5
4
3
2
1
0

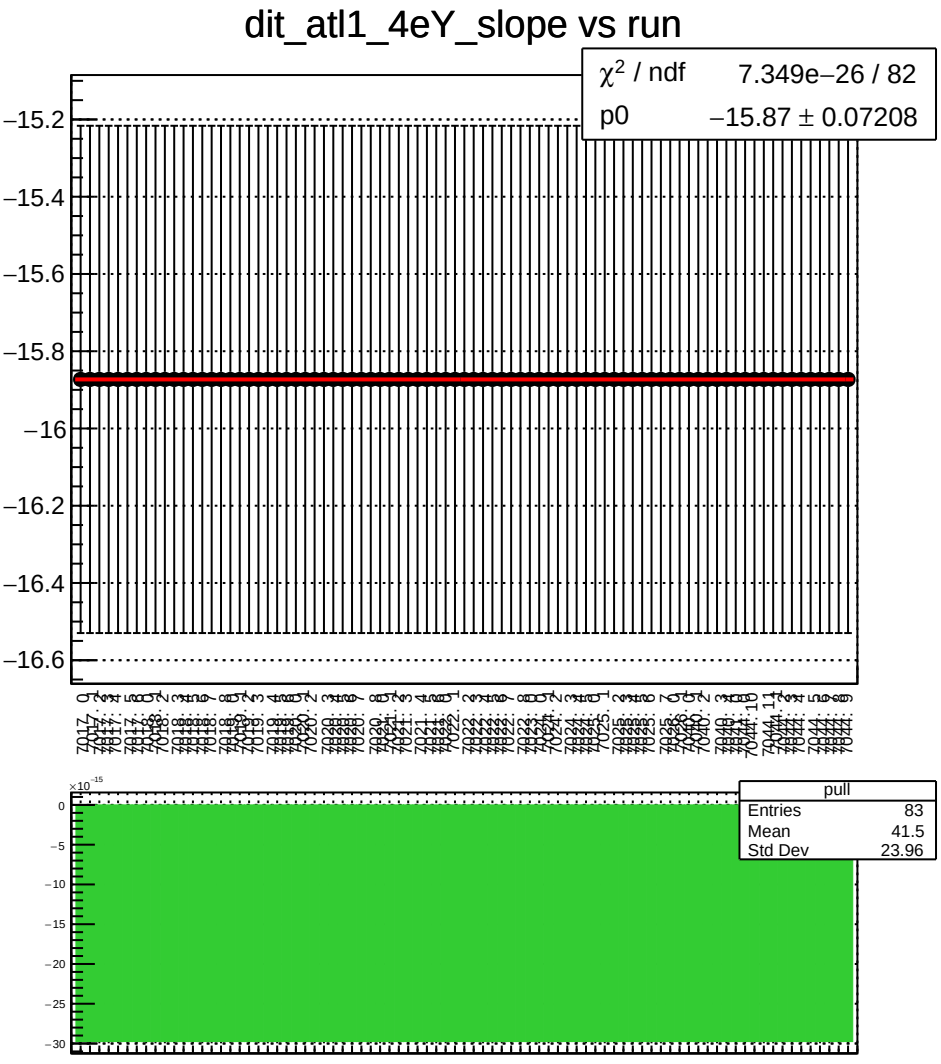

pull1D
Entries 83
Mean 6.661e−15
Std Dev 2.9e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

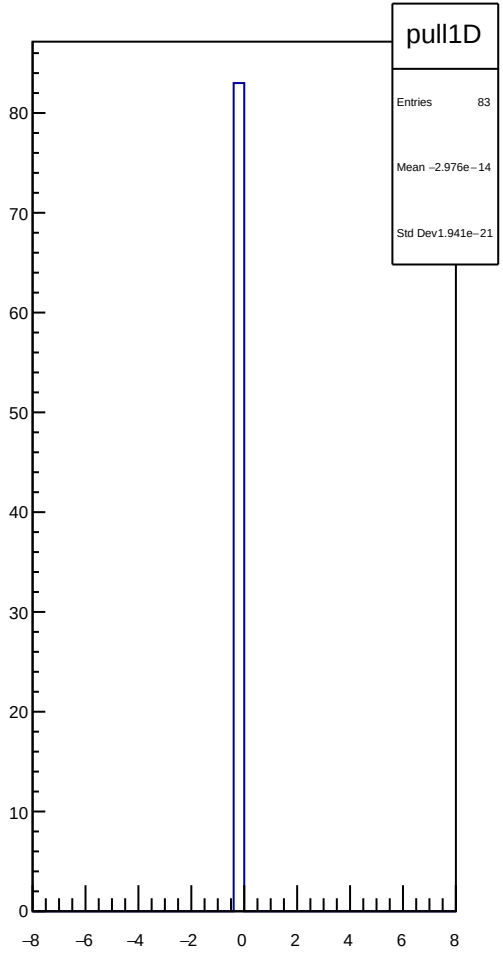

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.437e−24 / 82
p0 −21.55 ± 0.06223
−21
−21.2
−21.4
−21.6
−21.8
−22
−22.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

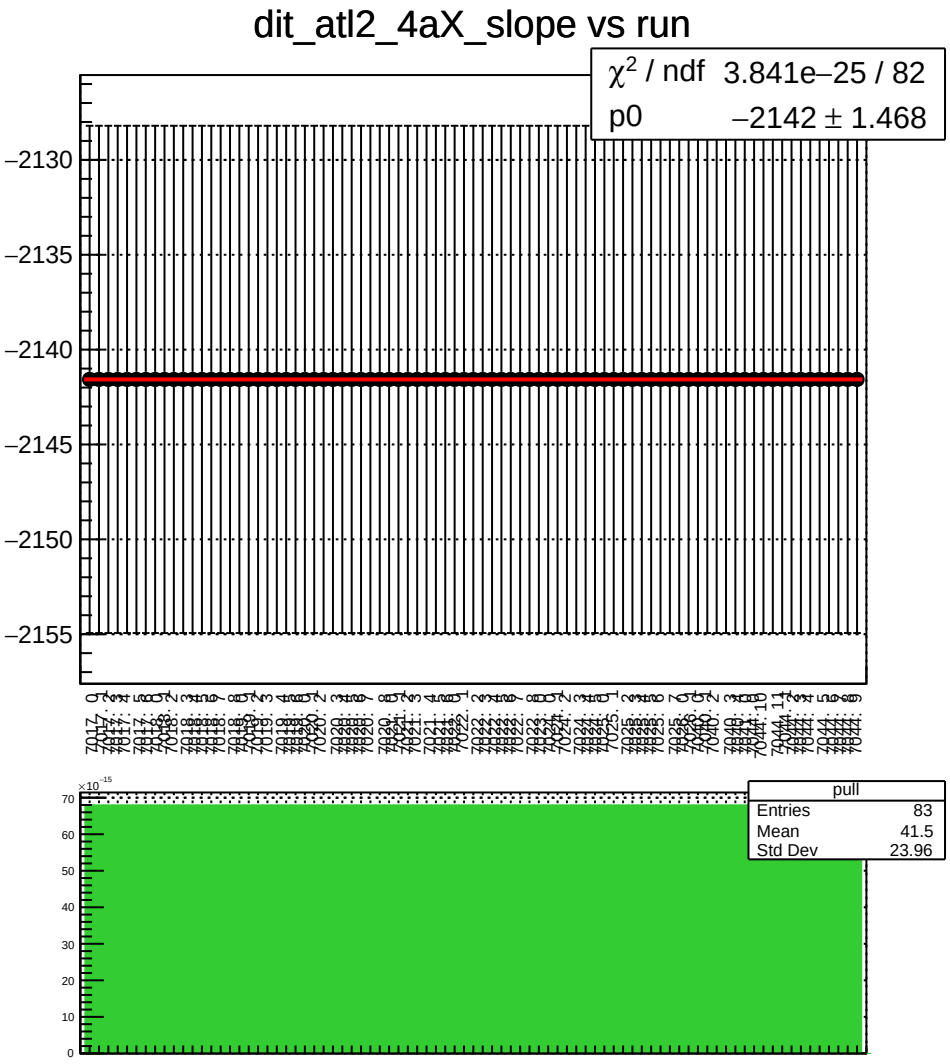

pull1D
Entries 83
Mean −1.316e−13
Std Dev 6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

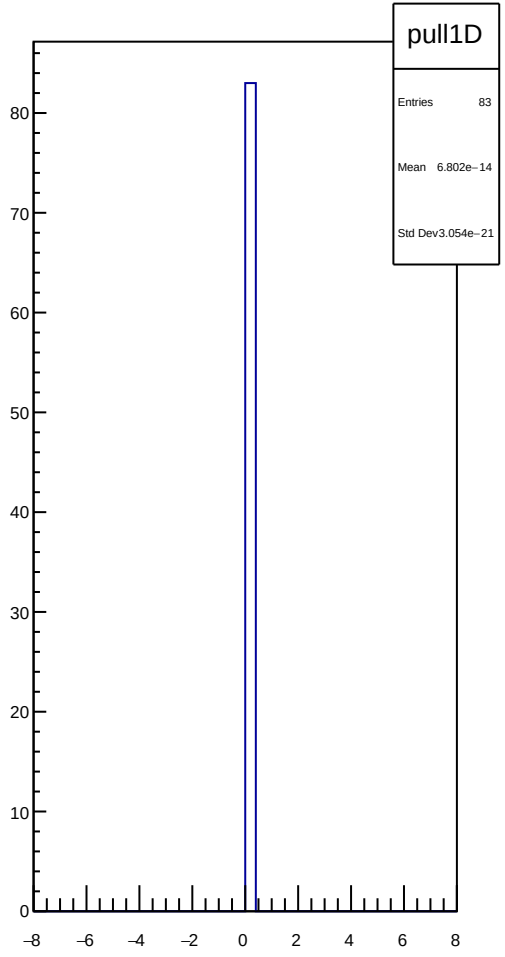

dit_atl1_4aY_slope vs run
χ^2 / ndf 2.85e−26 / 82
p0 8.349 ± 0.06313
9
8.8
8.6
8.4
8.2
8
7.8
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

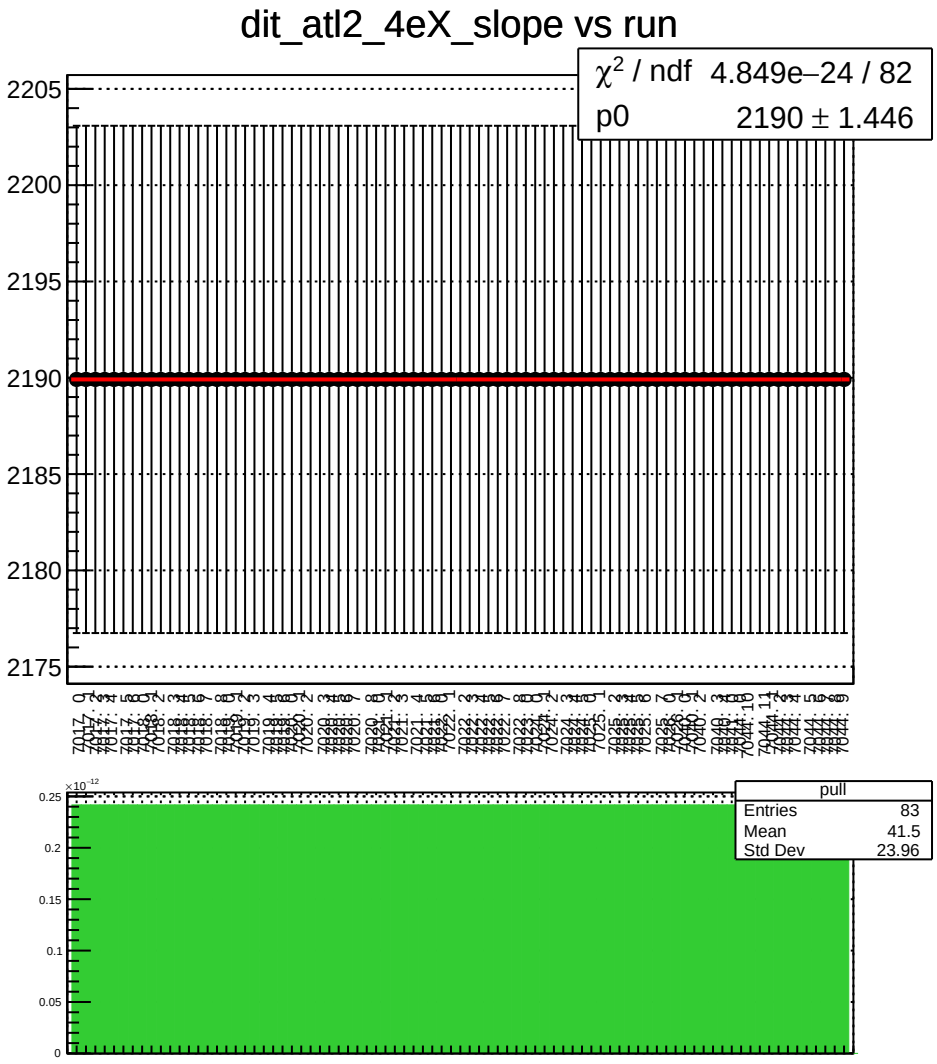

pull1D
Entries 83
Mean −1.853e−14
Std Dev 1.288e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

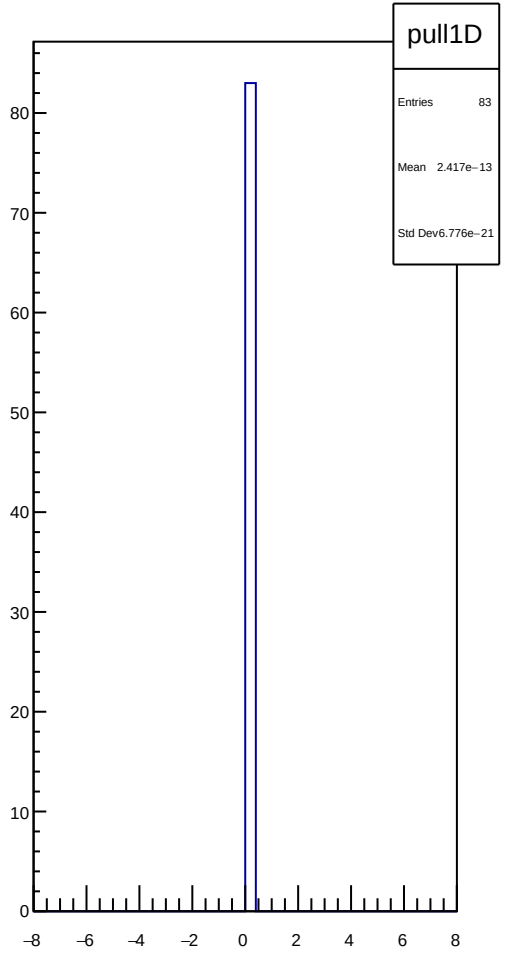

dit_atl1_4eY_slope vs run
χ^2 / ndf 7.349e−26 / 82
p0 −15.87 ± 0.07208
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−5
−10
−15
−20
−25
−30


pull1D
Entries 83
Mean −2.976e−14
Std Dev 1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

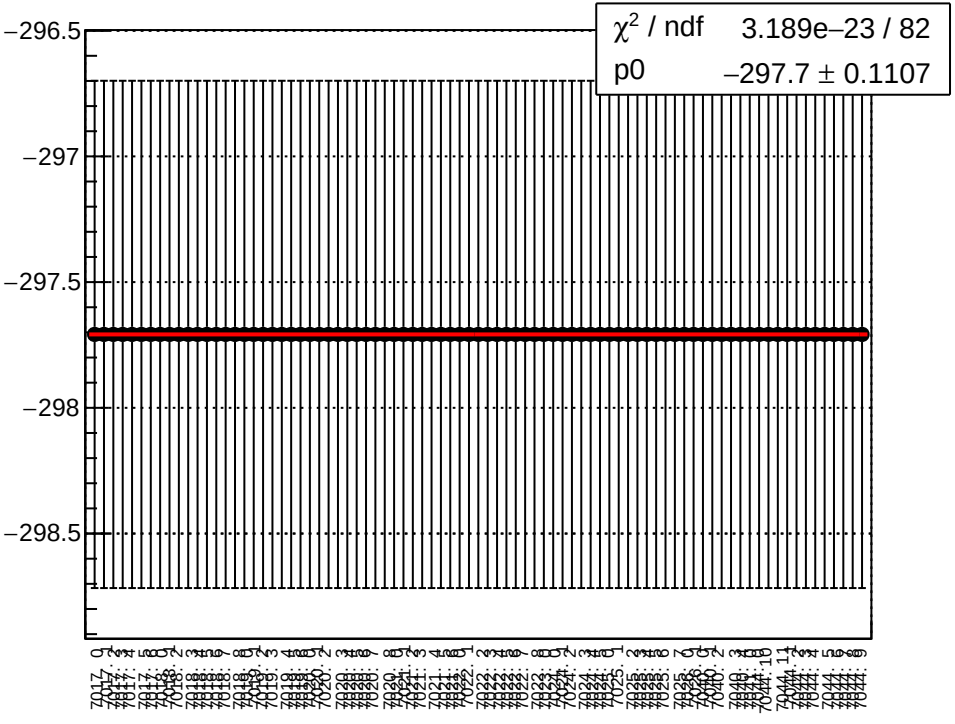

dit_atl2_4aX_slope vs run
χ^2 / ndf 3.841e−25 / 82
p0 −2142 ± 1.468
−2130
−2135
−2140
−2145
−2150
−2155
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
70
60
50
40
30
20
10
0

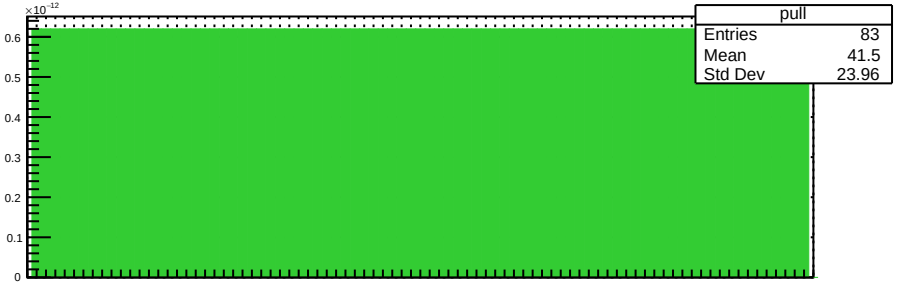

pull1D
Entries 83
Mean 6.802e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

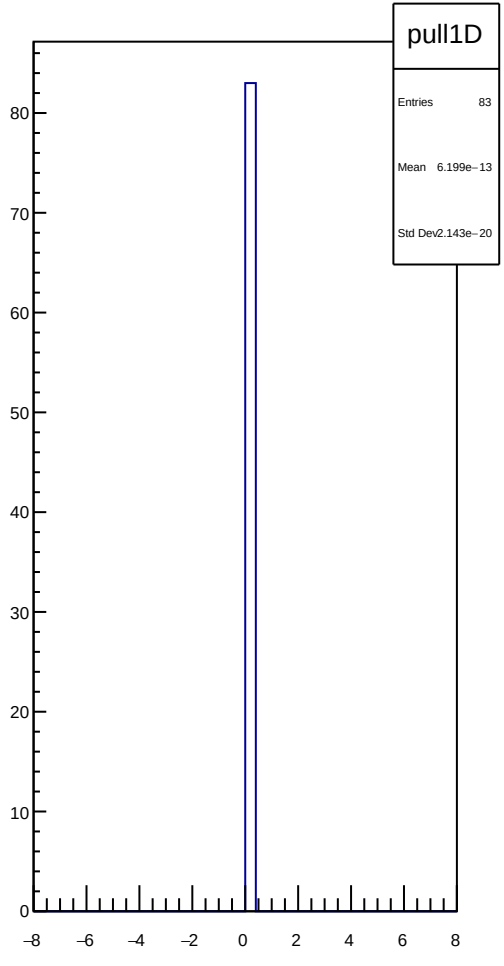

dit_atl2_4eX_slope vs run
χ^2 / ndf 4.849e−24 / 82
p0 2190 ± 1.446
2205
2200
2195
2190
2185
2180
2175
pull
Entries 83
Mean 41.5
Std Dev 23.96
$\times 10^{-12}$
0.25
0.2
0.15
0.1
0.05
0

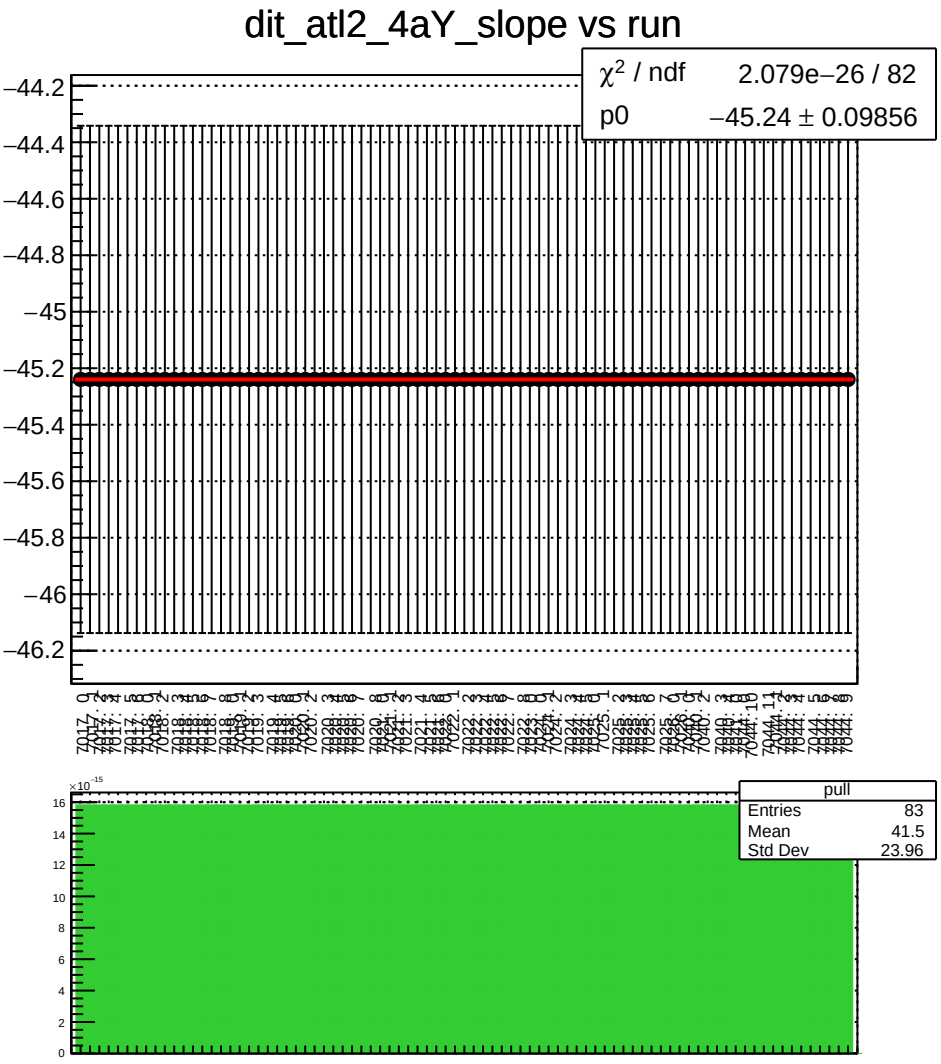

pull1D
Entries 83
Mean 2.417e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

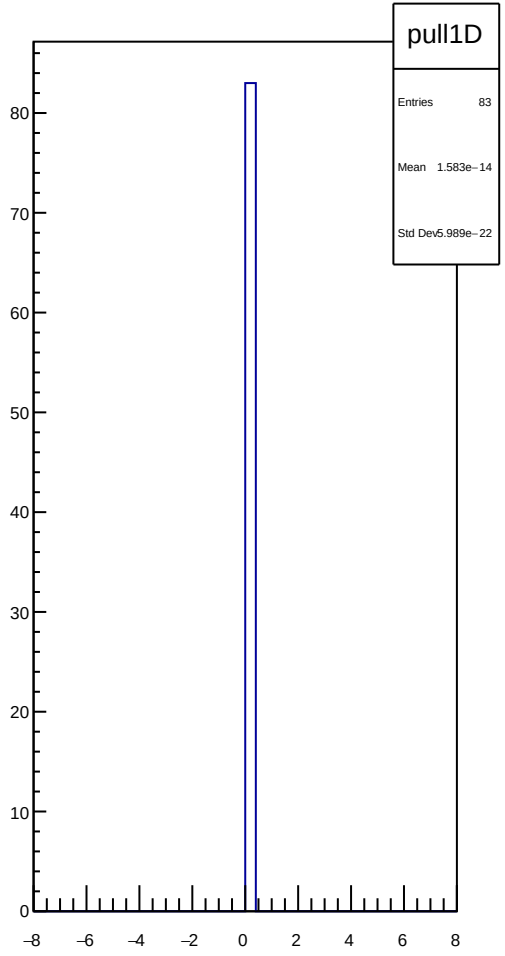
dit_atl2_11X12X_slope vs run

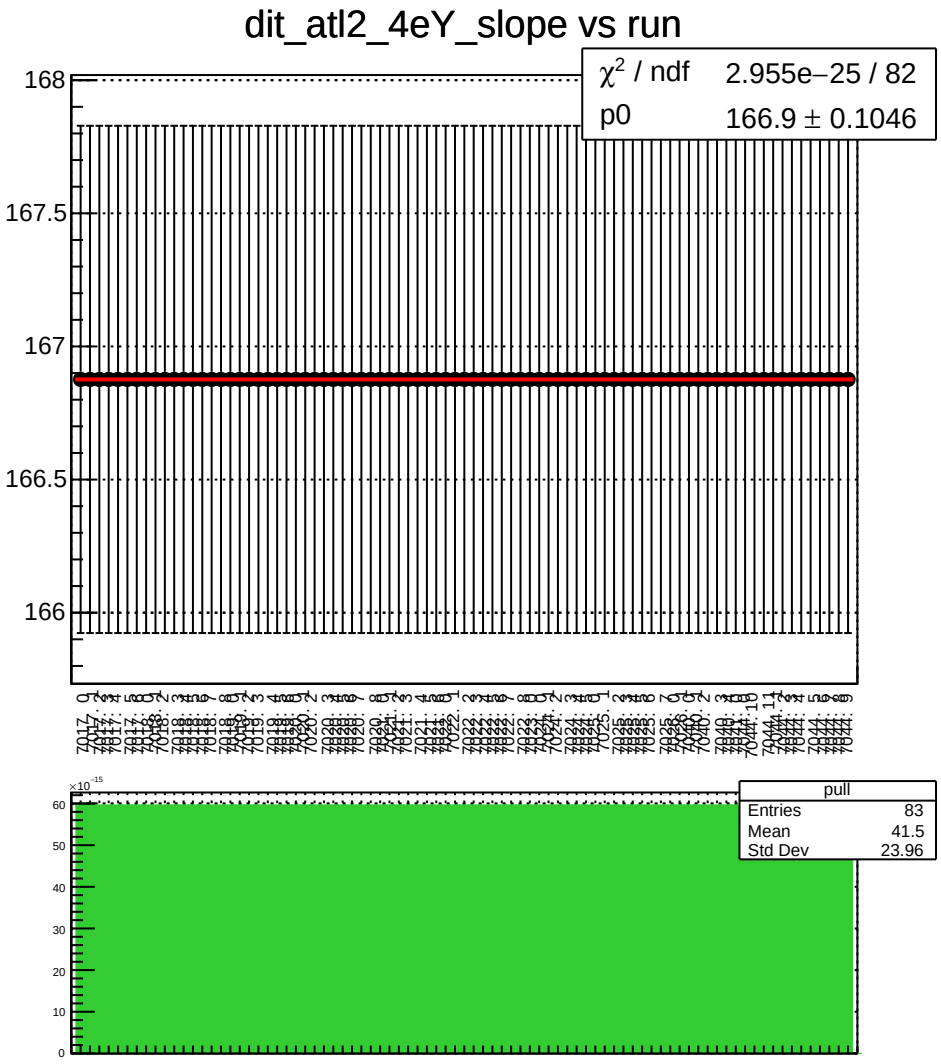


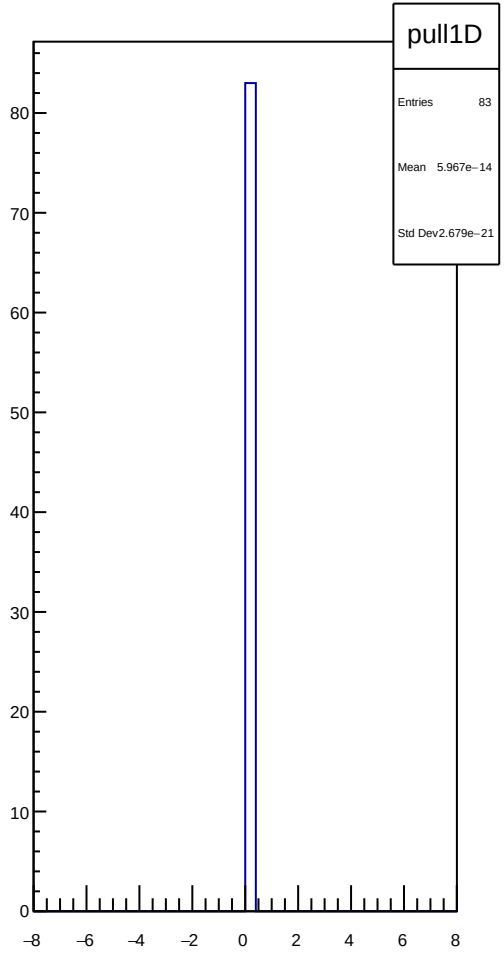


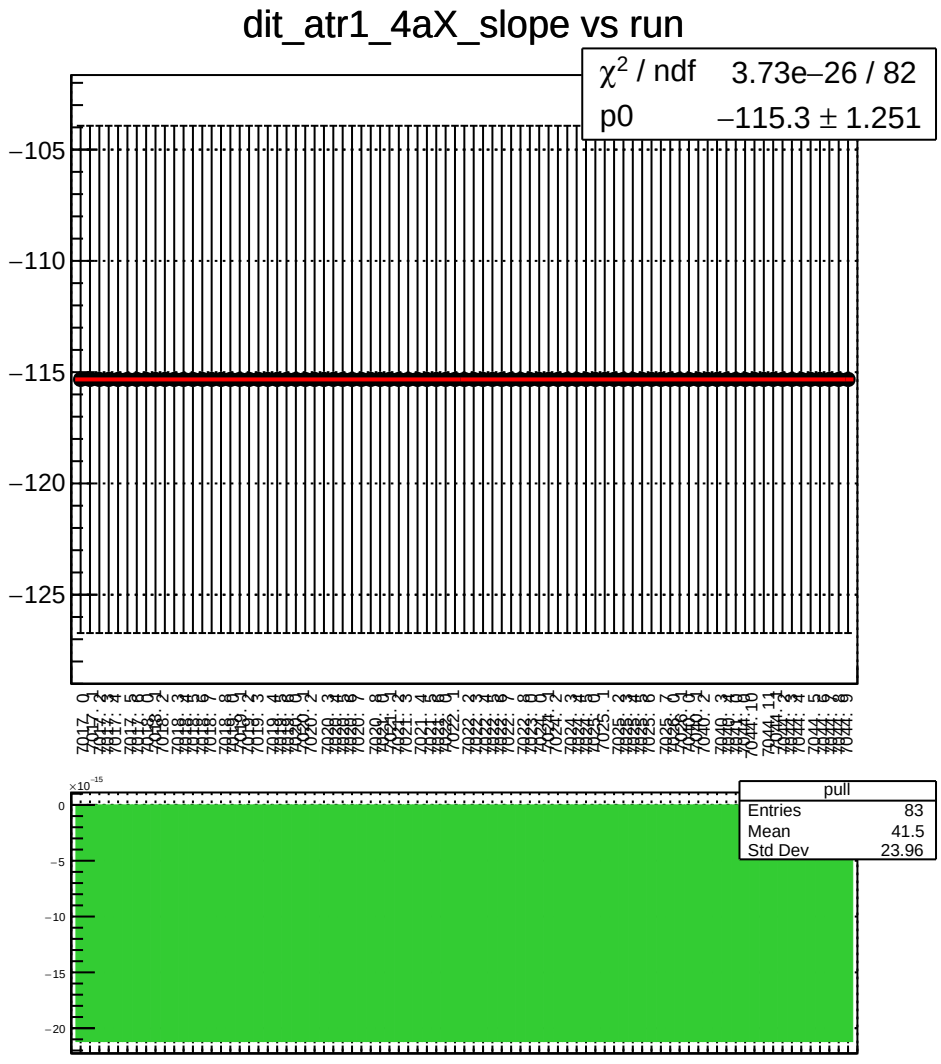


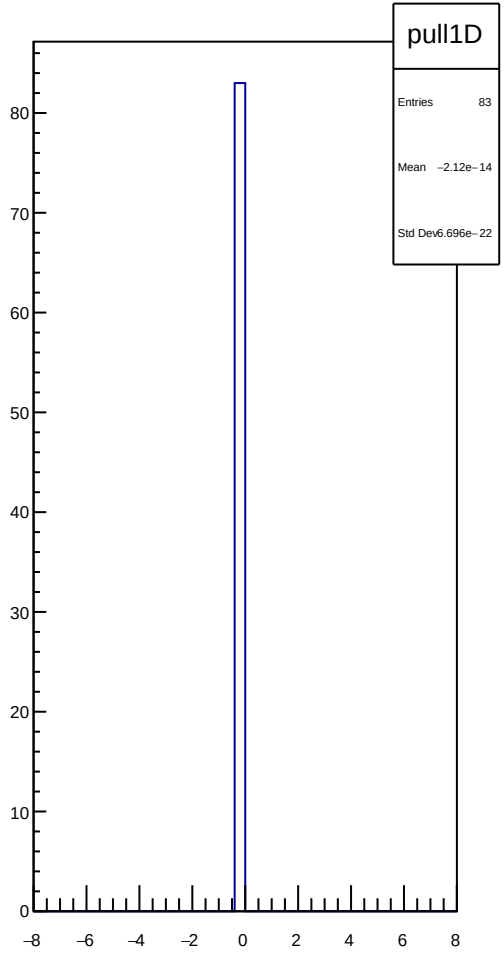

dit_atl2_4aY_slope vs run
χ^2 / ndf 2.079e−26 / 82
p0 −45.24 ± 0.09856
−44.2
−44.4
−44.6
−44.8
−45
−45.2
−45.4
−45.6
−45.8
−46
−46.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
16
14
12
10
8
6
4
2
0

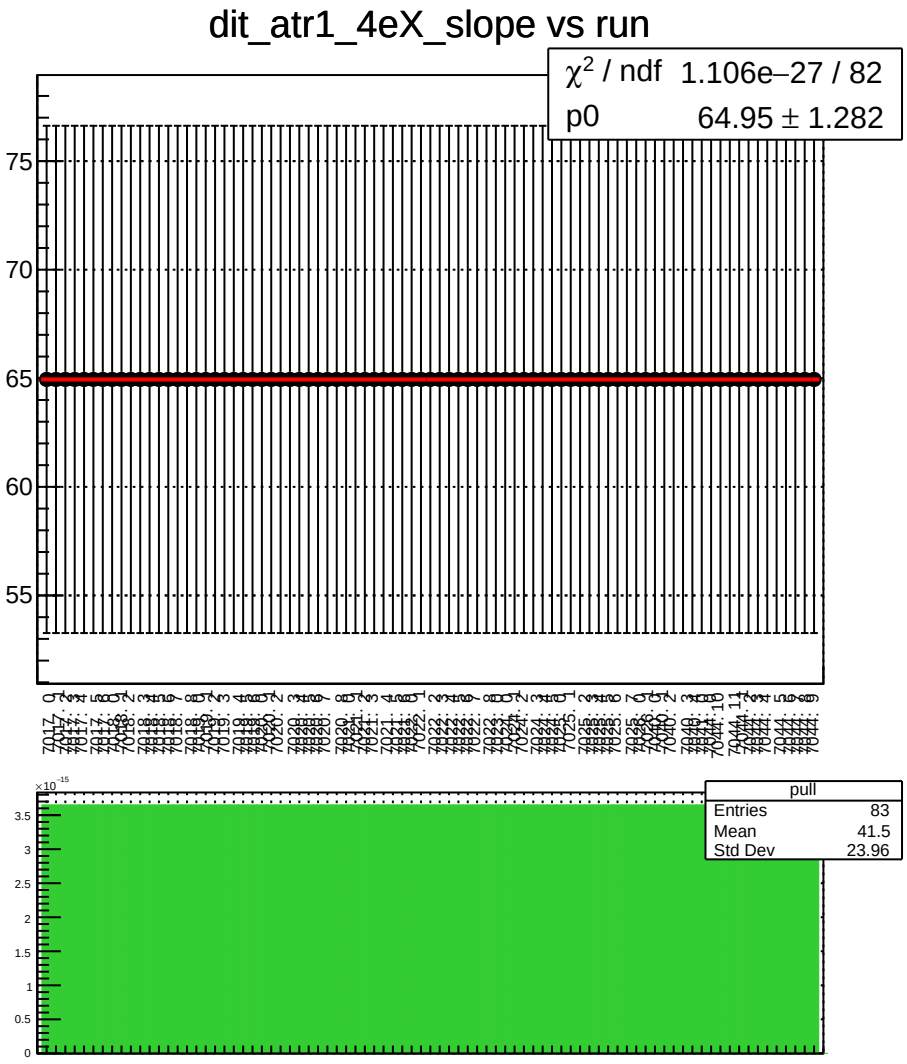

pull1D
Entries 83
Mean 1.583e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

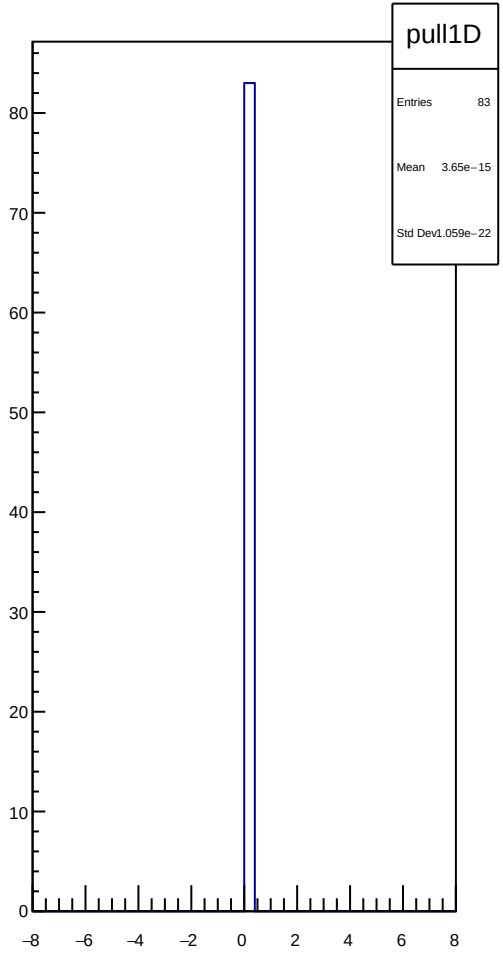

dit_atl2_4eY_slope vs run
χ² / ndf 2.955e−25 / 82
p0 166.9 ± 0.1046
168
167.5
167
166.5
166
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
60
50
40
30
20
10
0


pull1D
Entries 83
Mean 5.967e−14
Std Dev 2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

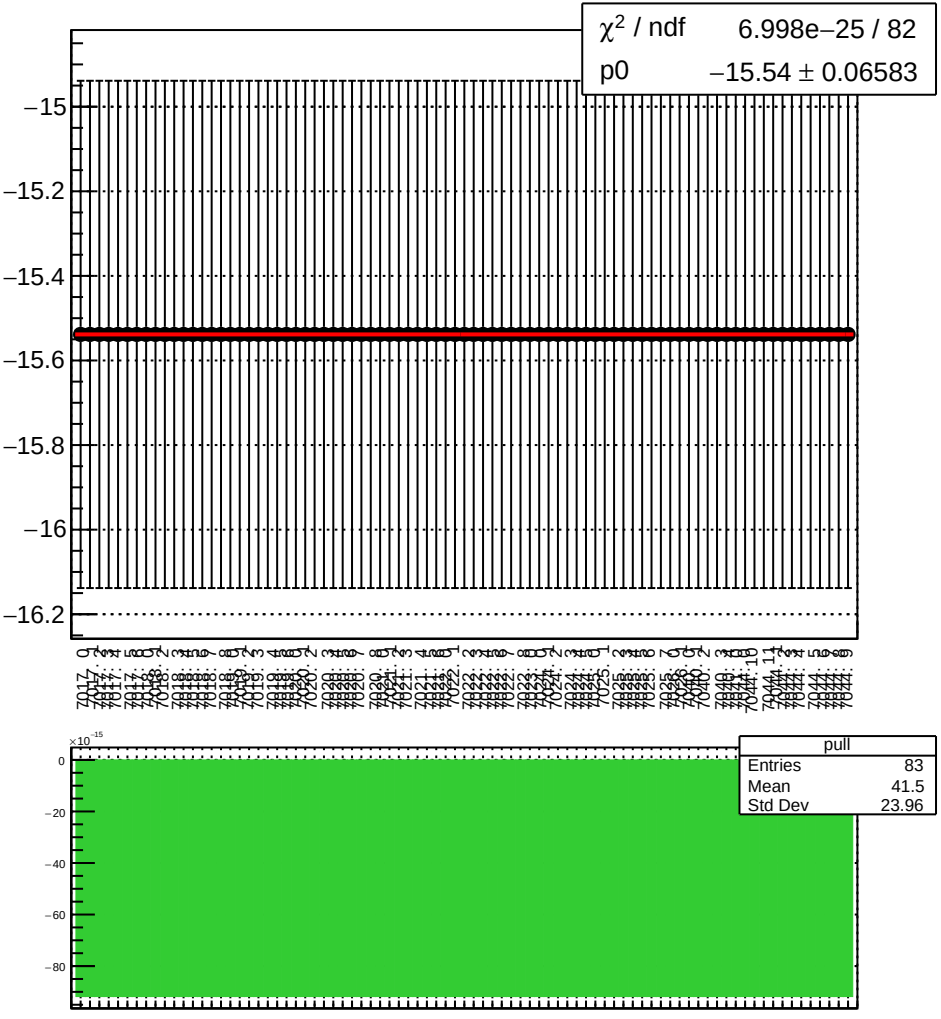

dit_atr1_4aX_slope vs run
χ^2 / ndf 3.73e−26 / 82
p0 −115.3 ± 1.251
−105
−110
−115
−120
−125
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−5
−10
−15
−20

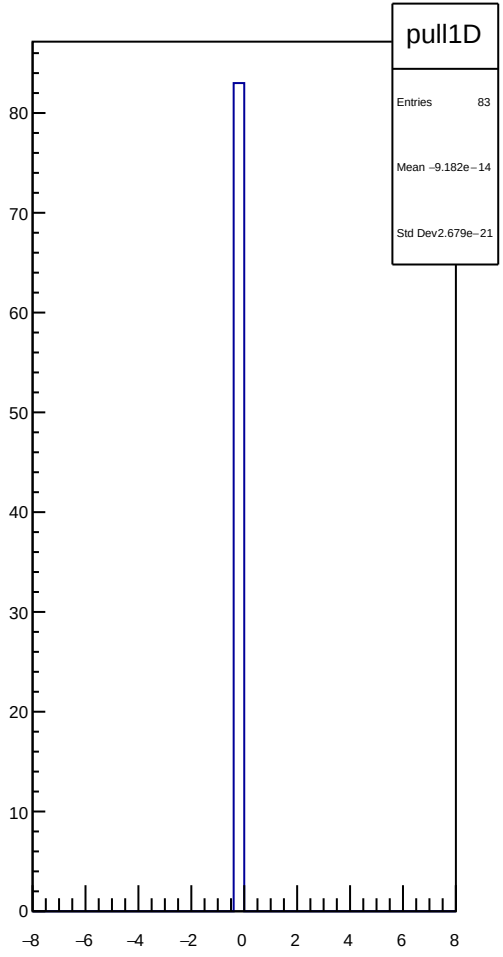

pull1D
Entries 83
Mean −2.12e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

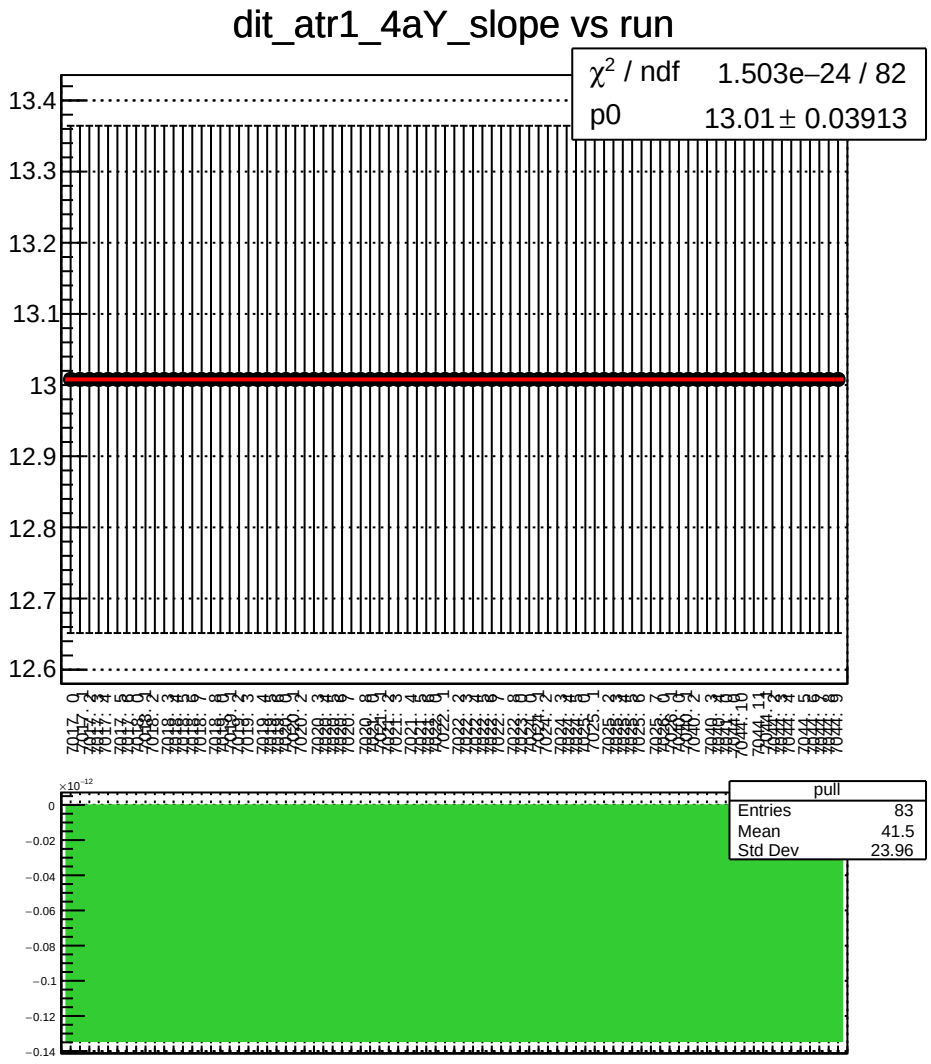

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.106e−27 / 82
p0 64.95 ± 1.282
75
70
65
60
55
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

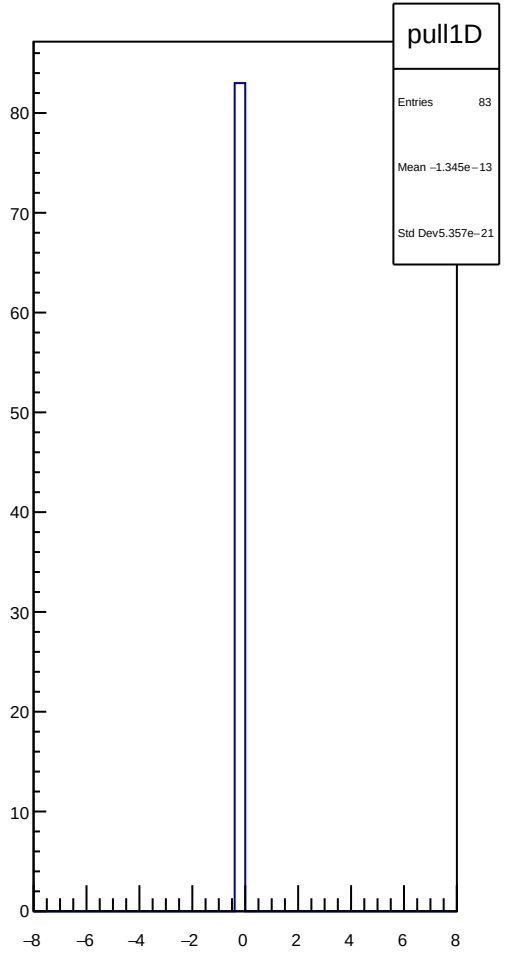

pull1D
Entries 83
Mean 3.65e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

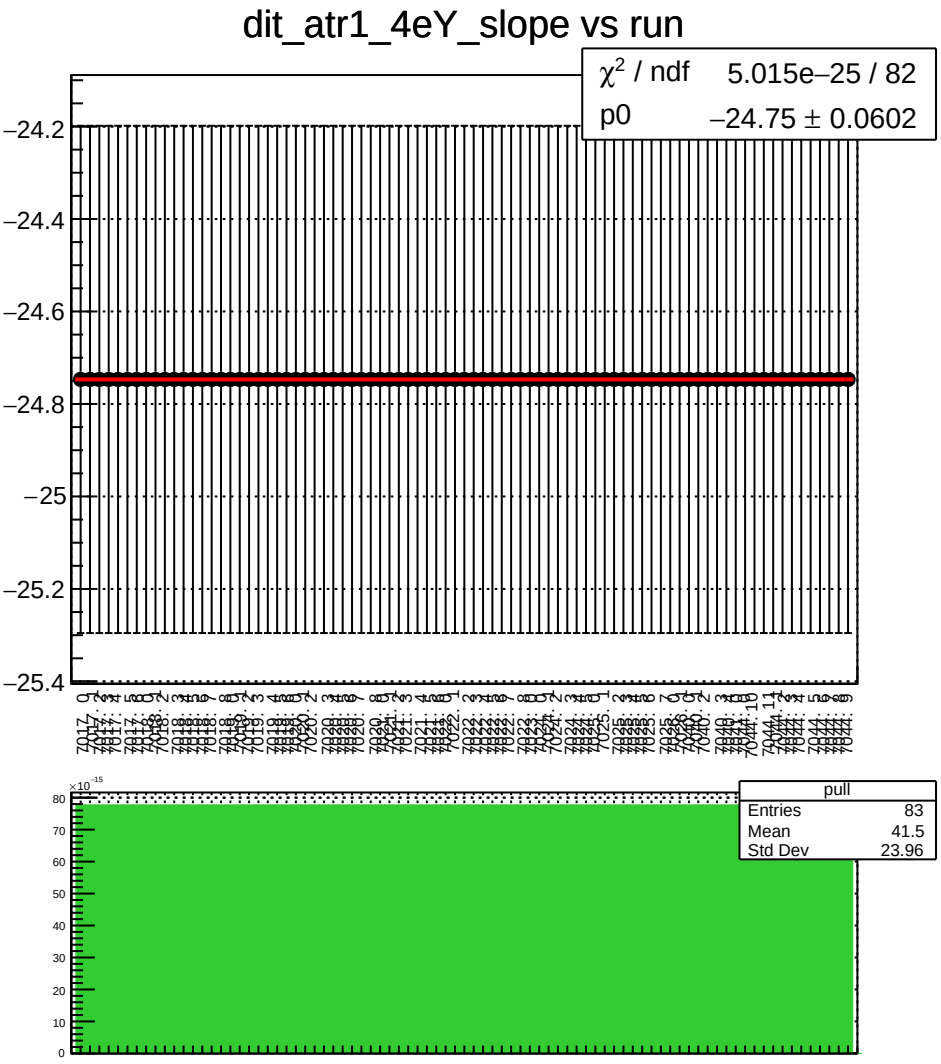
dit_atr1_11X12X_slope vs run

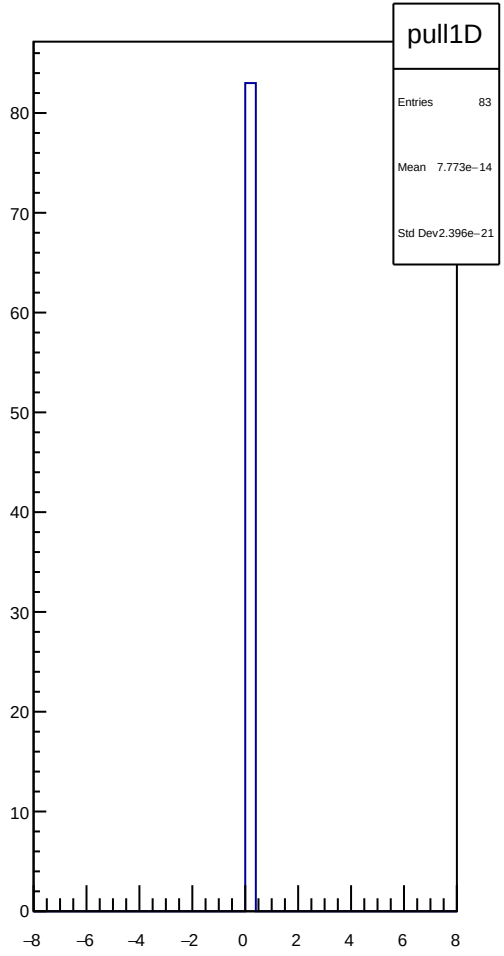


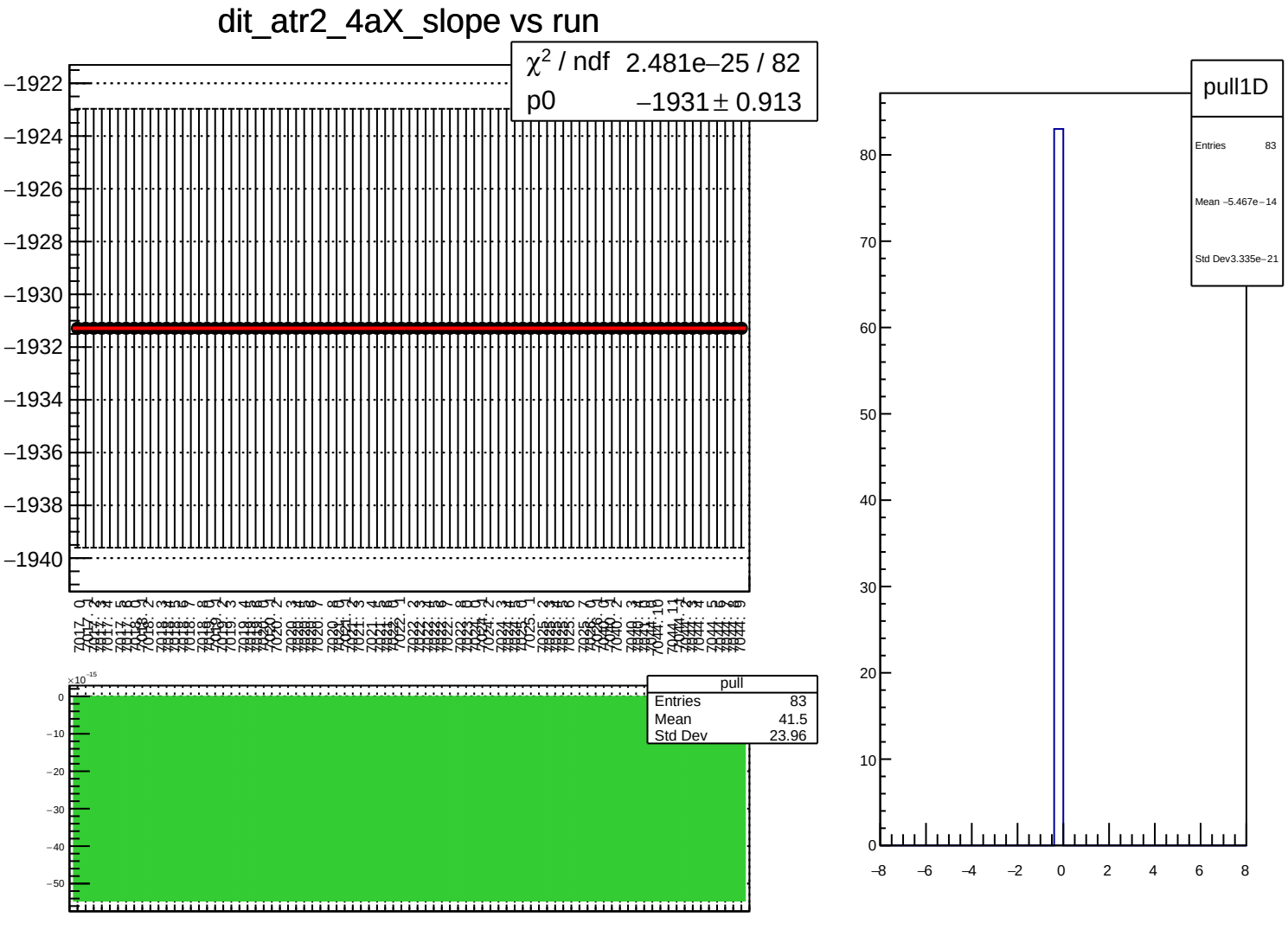


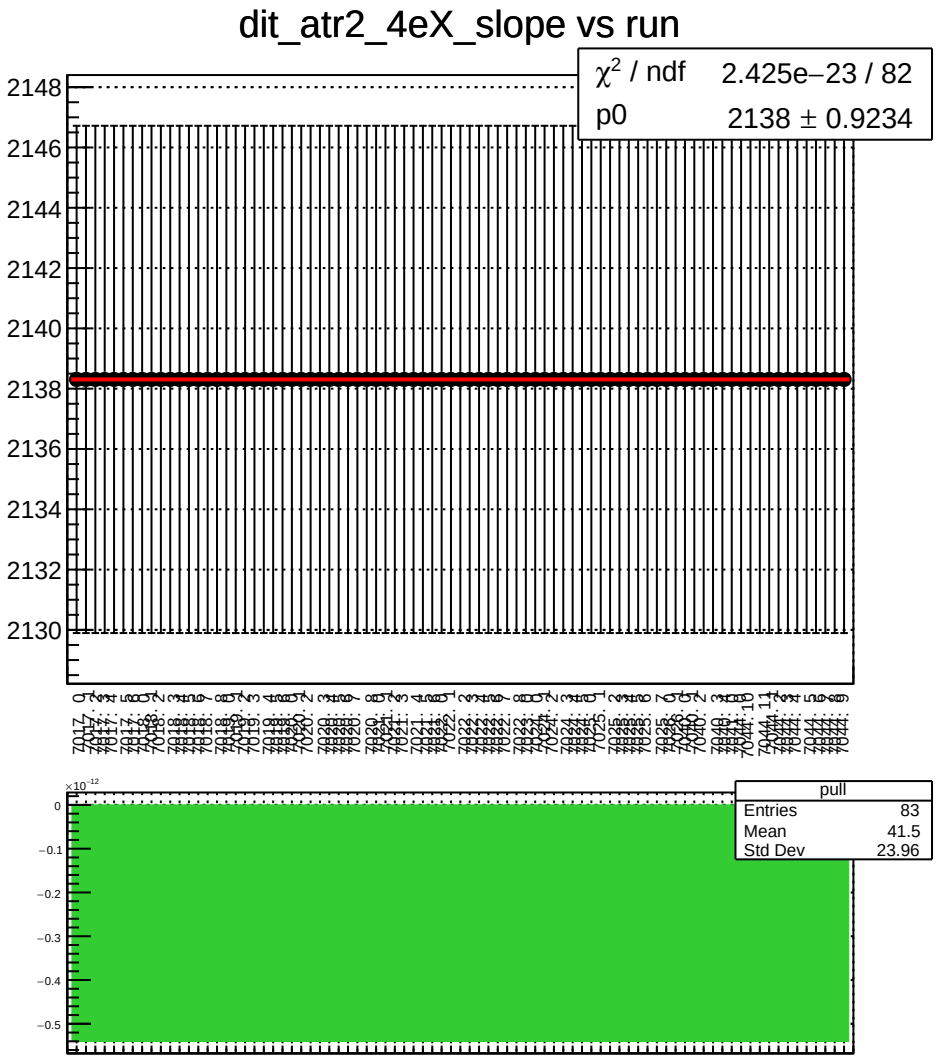

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.503e−24 / 82
p0 13.01 ± 0.03913
13.4
13.3
13.2
13.1
13
12.9
12.8
12.7
12.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

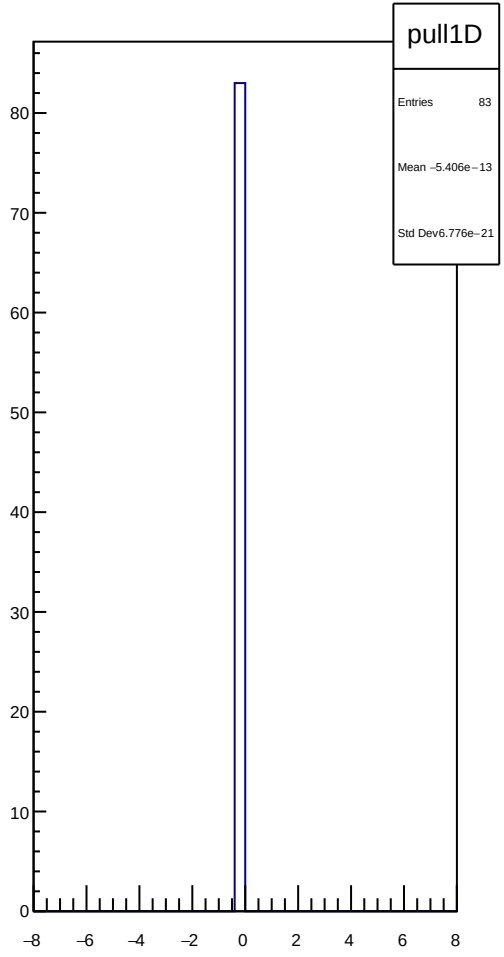

pull1D
Entries 83
Mean −1.345e−13
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

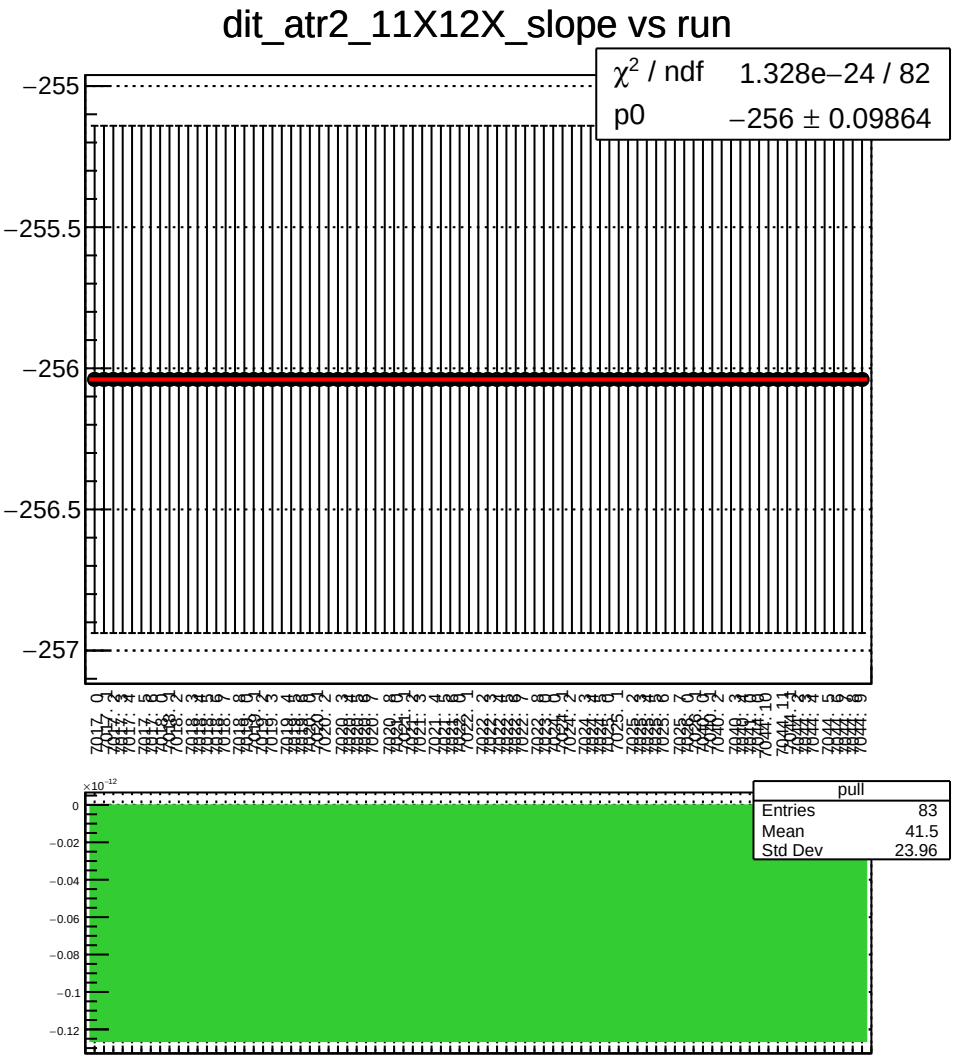

dit_atr1_4eY_slope vs run
χ^2 / ndf 5.015e−25 / 82
p0 −24.75 ± 0.0602
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
80
70
60
50
40
30
20
10
0

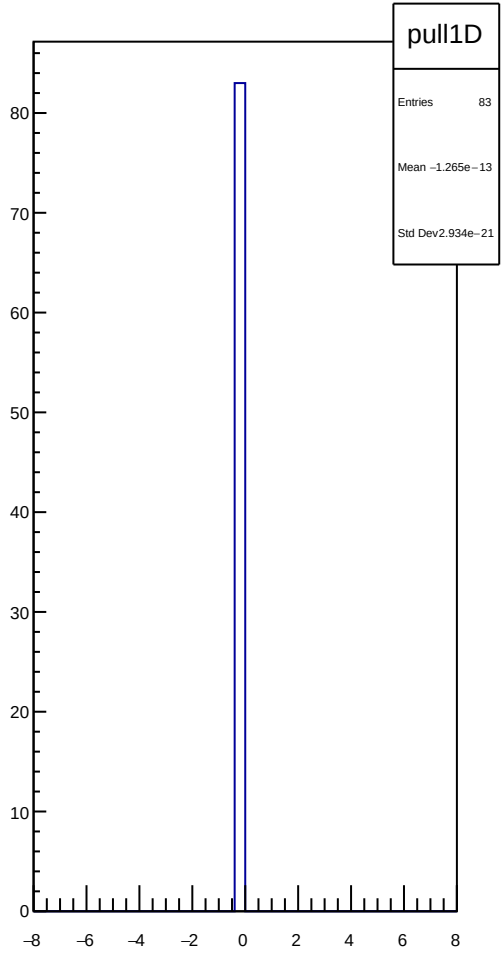

pull1D
Entries 83
Mean 7.773e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

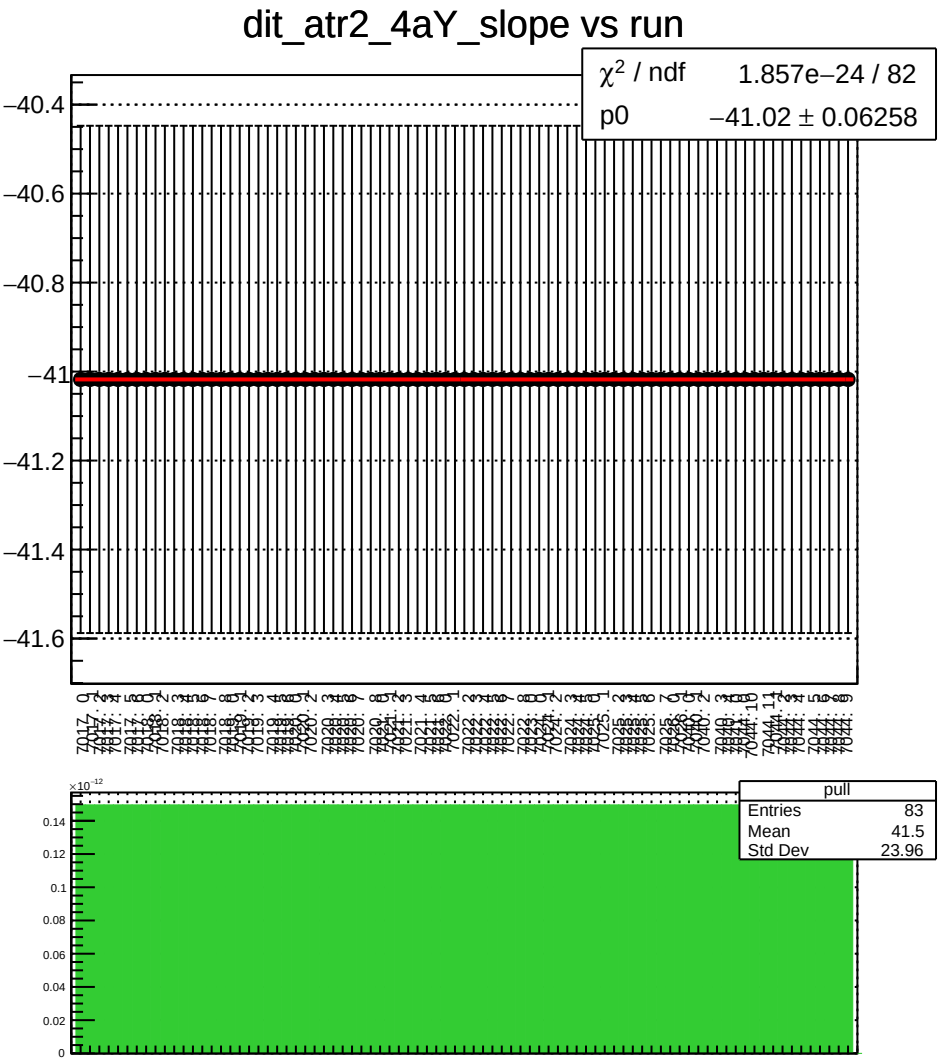

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.481e−25 / 82
p0 −1931 ± 0.913
−1922
−1924
−1926
−1928
−1930
−1932
−1934
−1936
−1938
−1940
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−10
−20
−30
−40
−50
pull1D
Entries 83
Mean −5.467e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

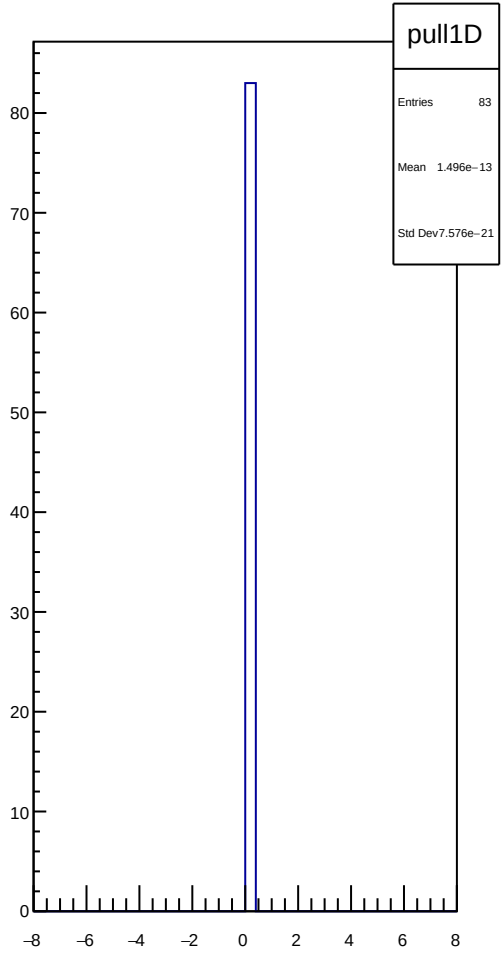

dit_atr2_4eX_slope vs run
χ^2 / ndf 2.425e−23 / 82
p0 2138 ± 0.9234
2148
2146
2144
2142
2140
2138
2136
2134
2132
2130
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5

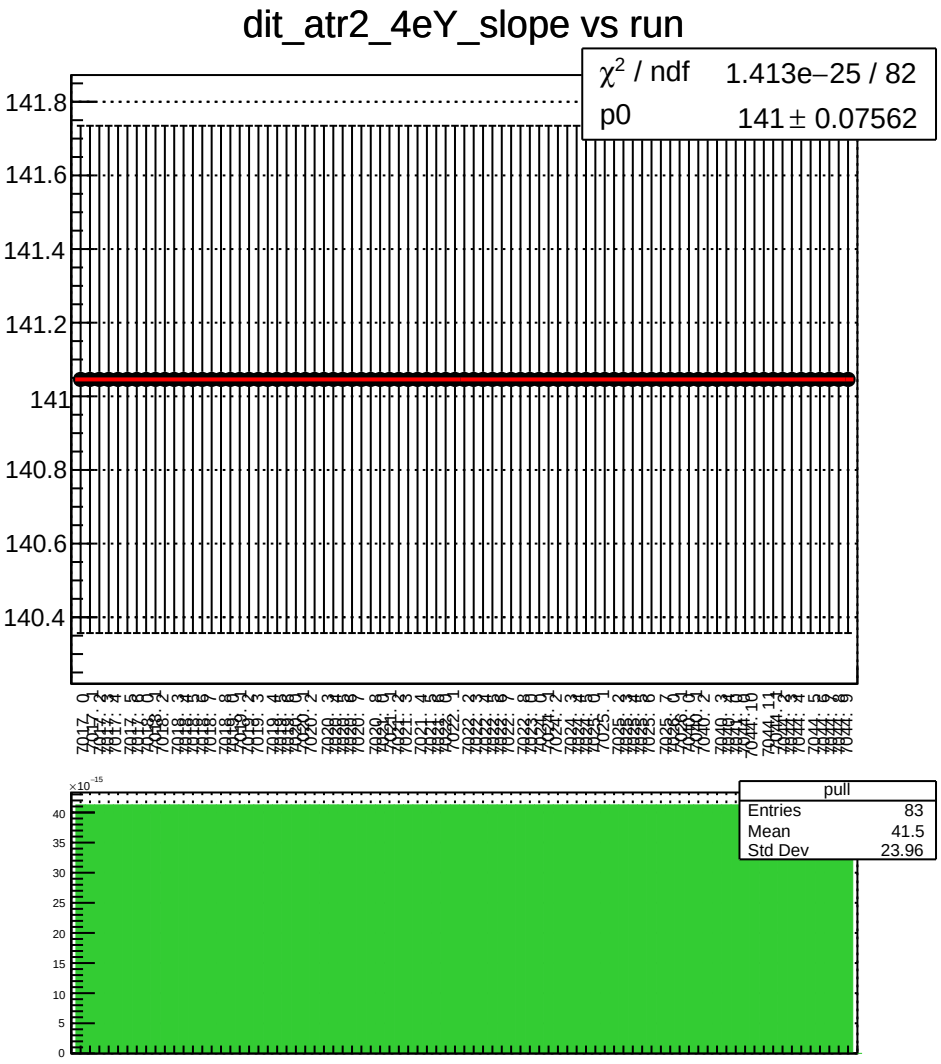

pull1D
Entries 83
Mean −5.406e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

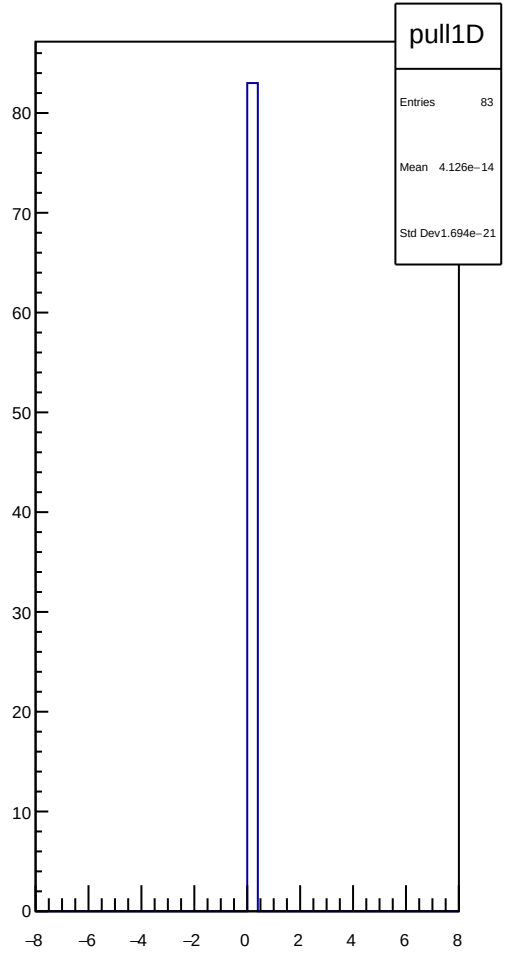

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.328e−24 / 82
p0 −256 ± 0.09864
−255
−255.5
−256
−256.5
−257
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

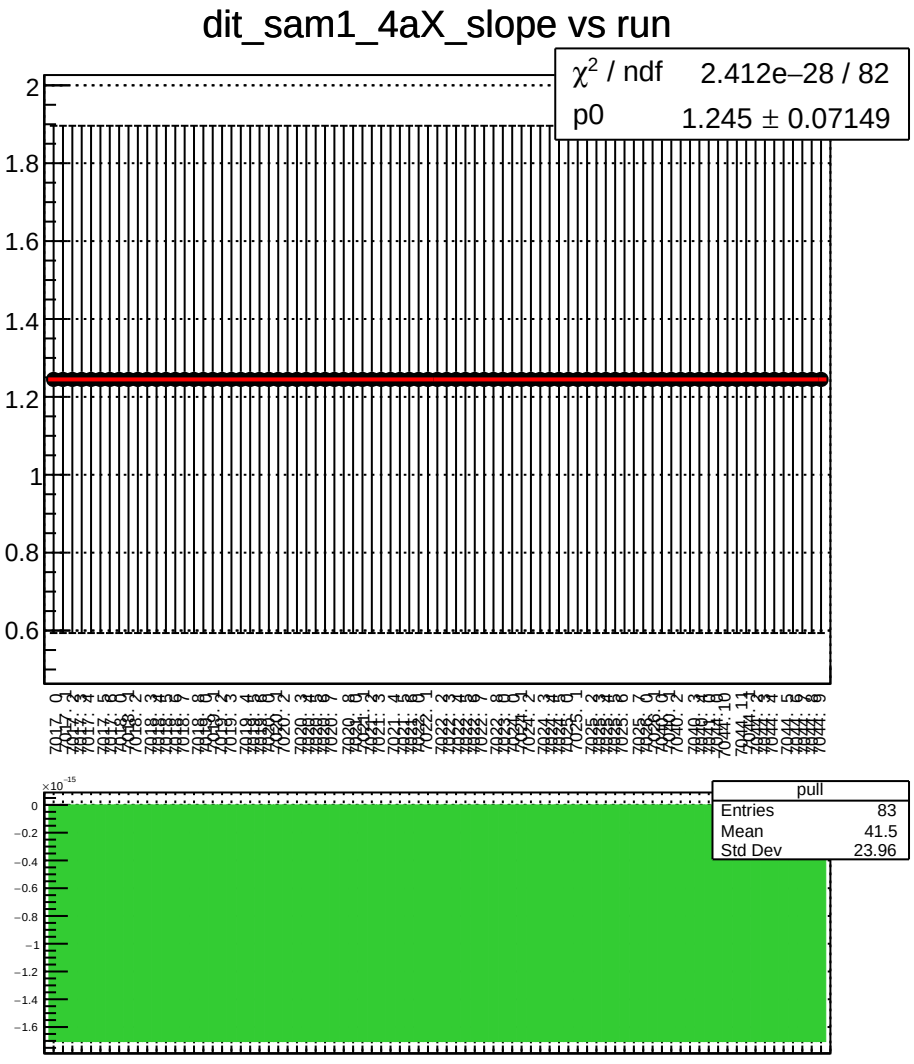

pull1D
Entries 83
Mean −1.265e−13
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

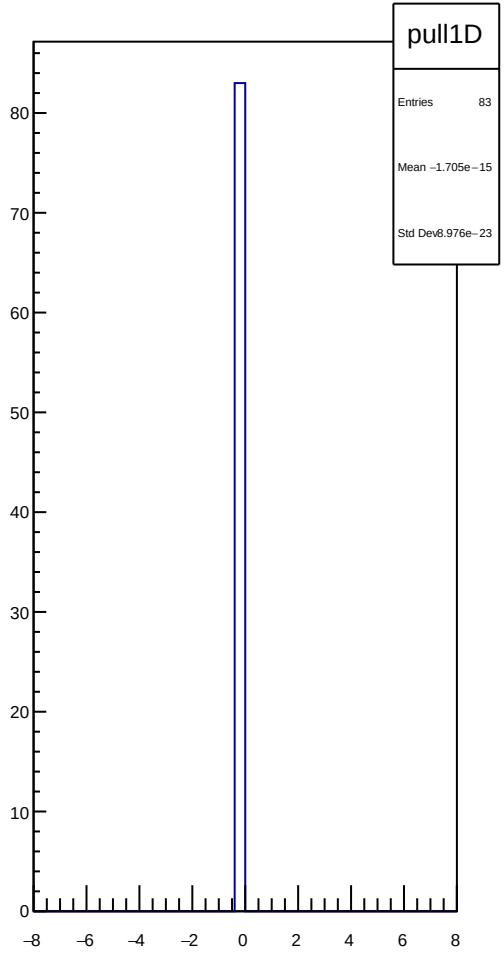

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.857e−24 / 82
p0 −41.02 ± 0.06258
−40.4
−40.6
−40.8
−41
−41.2
−41.4
−41.6
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

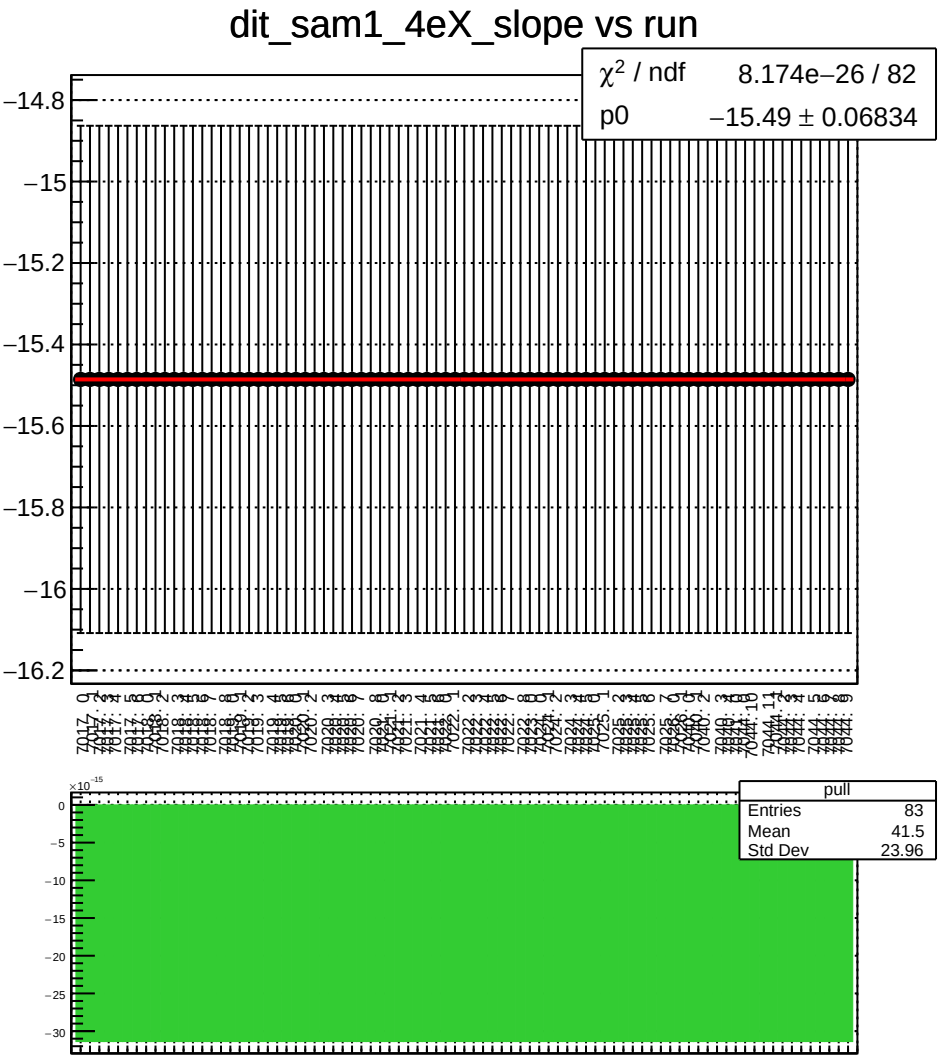

pull1D
Entries 83
Mean 1.496e−13
Std Dev 7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

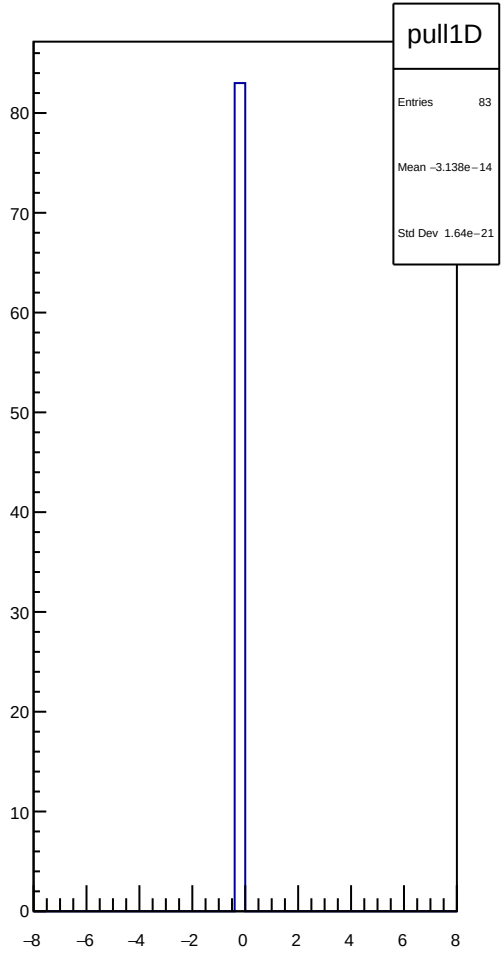

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.413e−25 / 82
p0 141 ± 0.07562
141.8
141.6
141.4
141.2
141
140.8
140.6
140.4
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-15
40
35
30
25
20
15
10
5
0

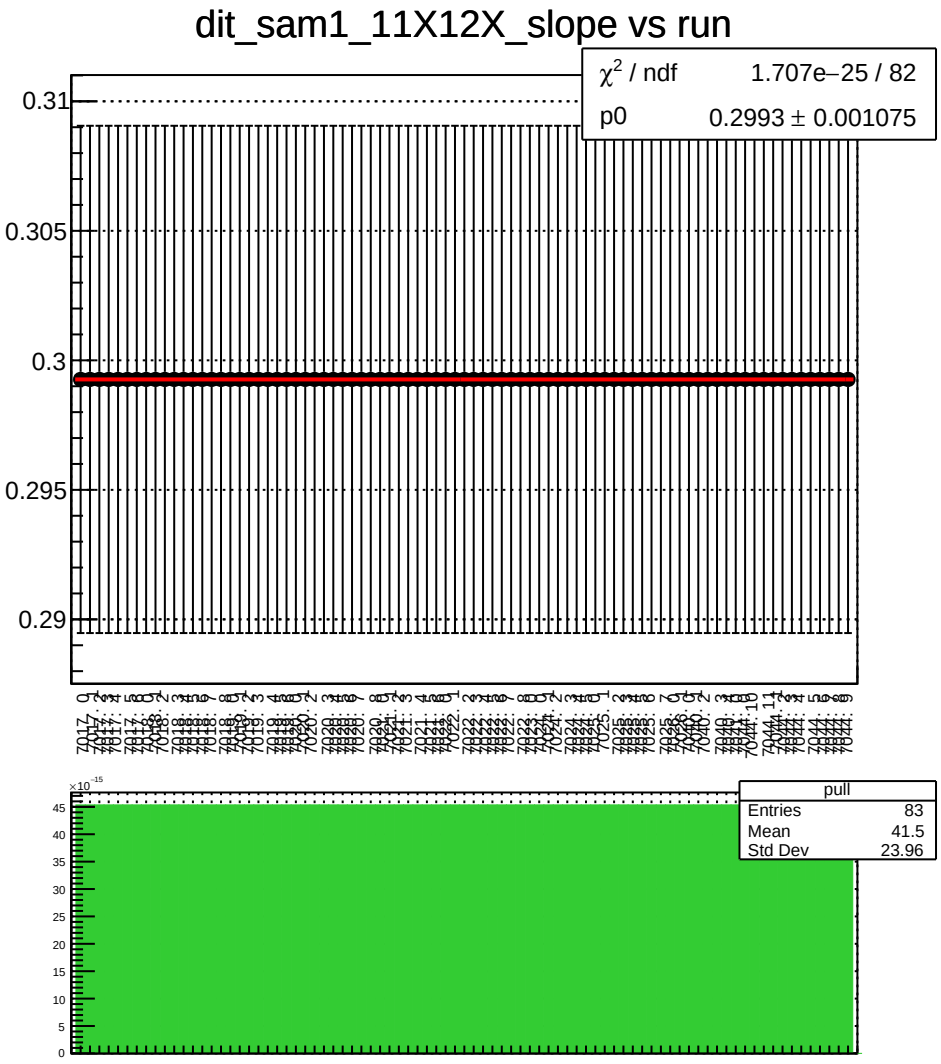

pull1D
Entries 83
Mean 4.126e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

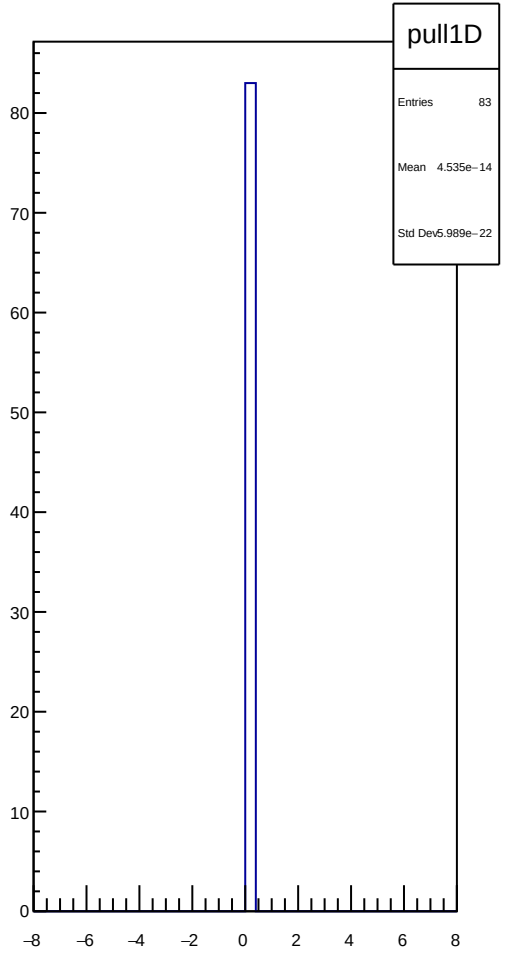

dit_sam1_4aX_slope vs run
χ^2 / ndf 2.412e−28 / 82
p0 1.245 ± 0.07149
pull
Entries 83
Mean 41.5
Std Dev 23.96

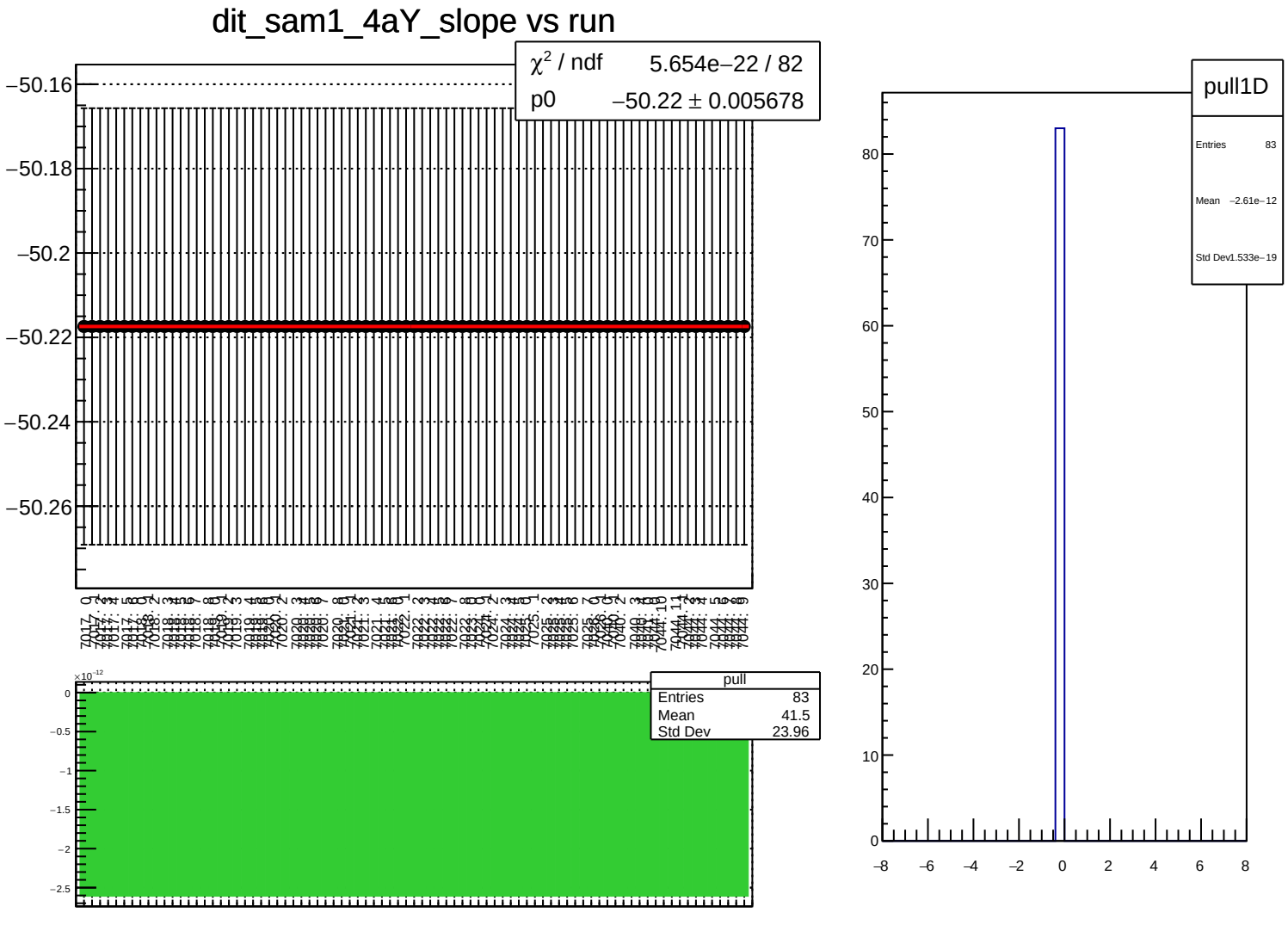

pull1D
Entries 83
Mean −1.705e−15
Std Dev 8.976e−23

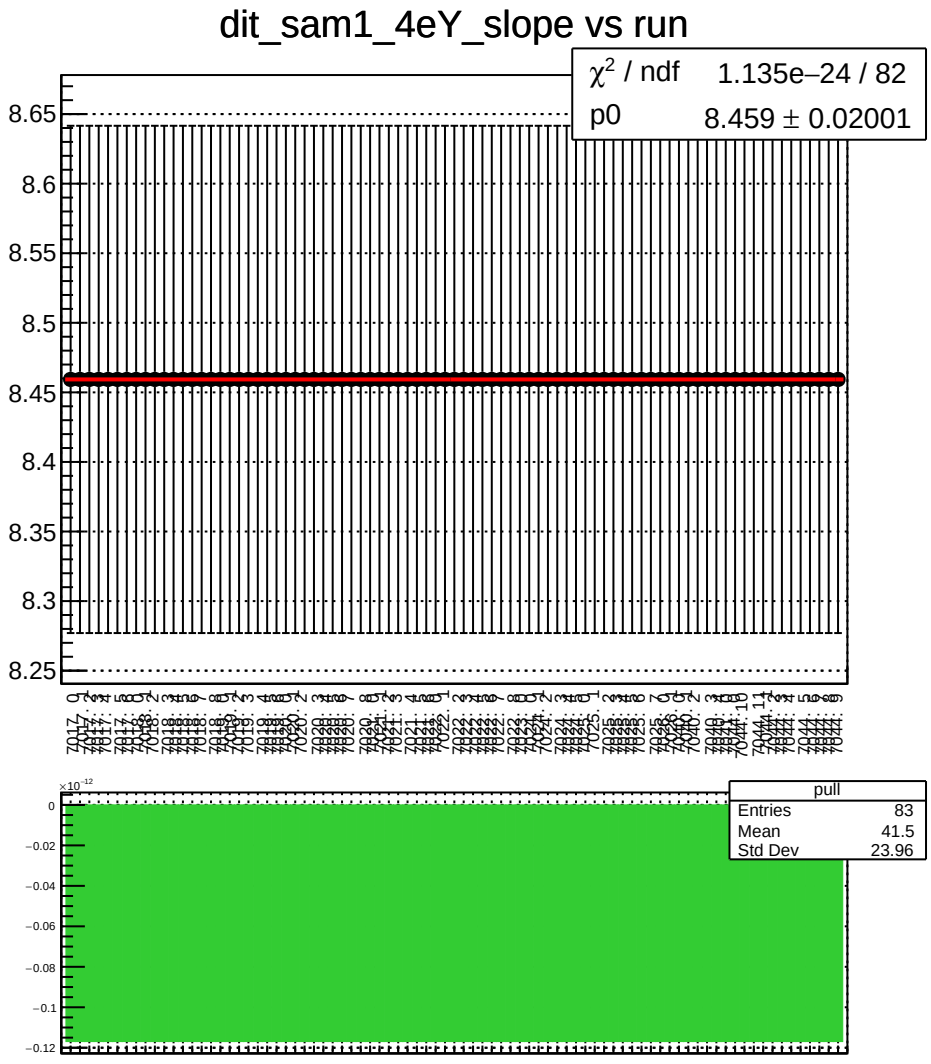

dit_sam1_4eX_slope vs run
χ² / ndf 8.174e−26 / 82
p0 −15.49 ± 0.06834
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
−16.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

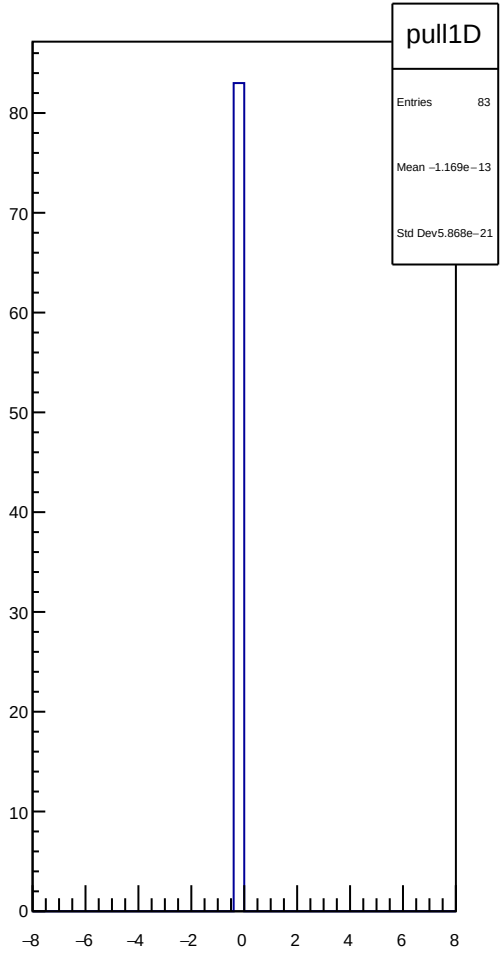

pull1D
Entries 83
Mean −3.138e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

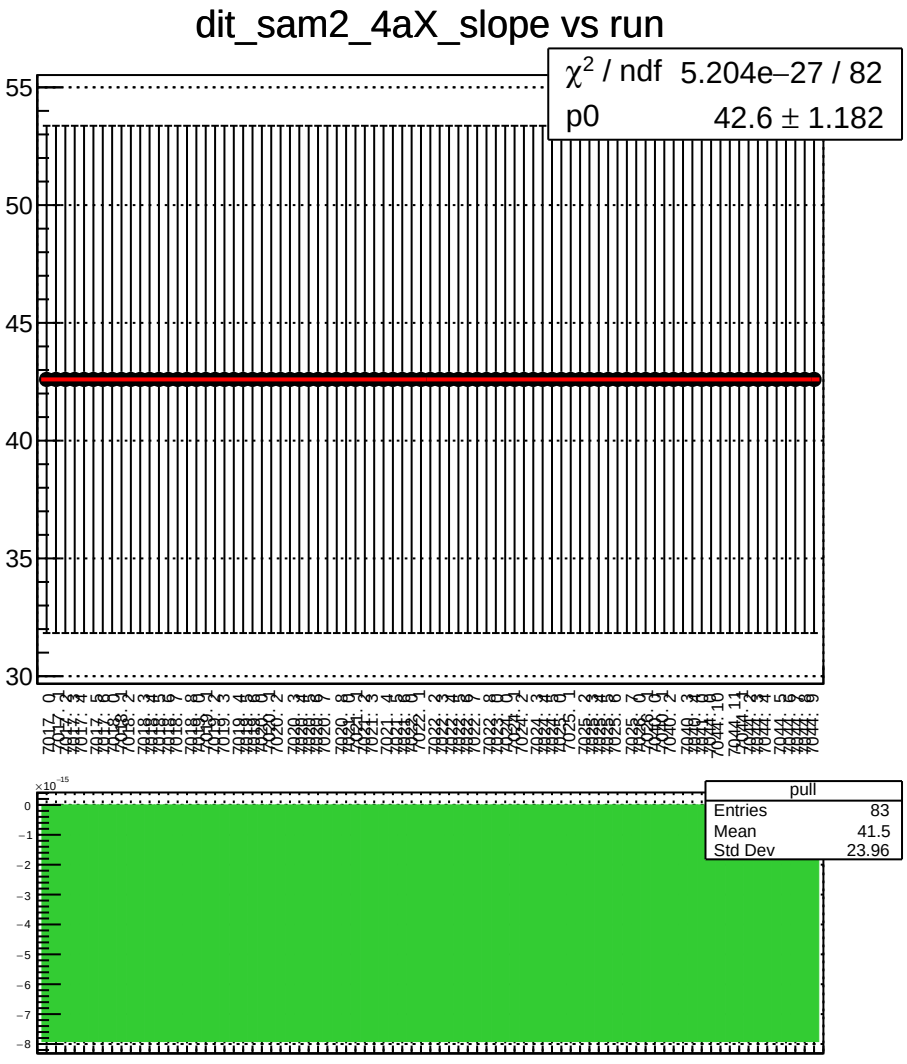

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.707e−25 / 82
p0 0.2993 ± 0.001075
0.31
0.305
0.3
0.295
0.29
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
45
40
35
30
25
20
15
10
5
0

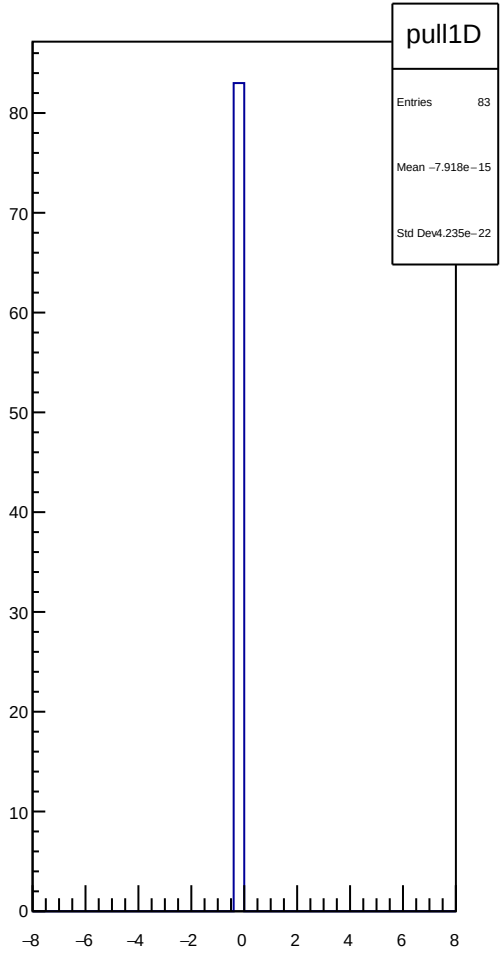

pull1D
Entries 83
Mean 4.535e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

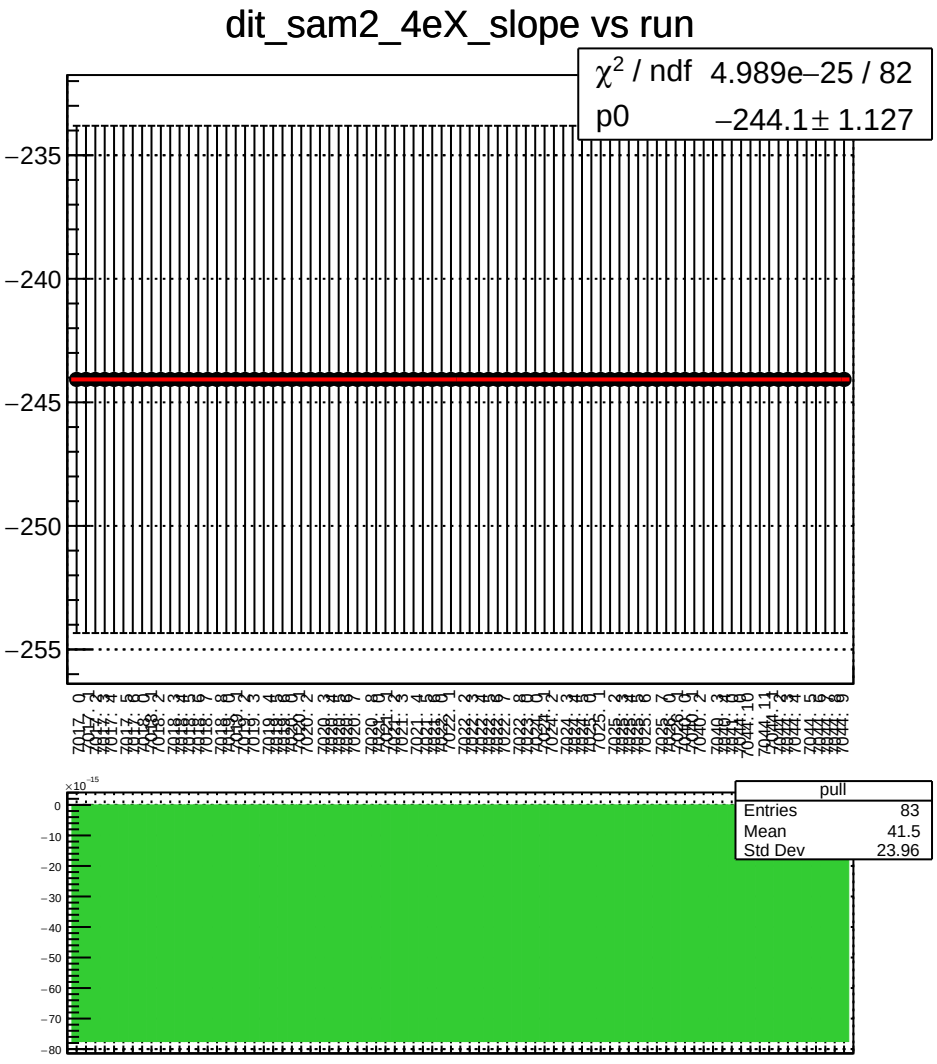

dit_sam1_4aY_slope vs run
χ^2 / ndf 5.654e−22 / 82
p0 −50.22 ± 0.005678
−50.16
−50.18
−50.2
−50.22
−50.24
−50.26
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 83
Mean −2.61e−12
Std Dev 1.533e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

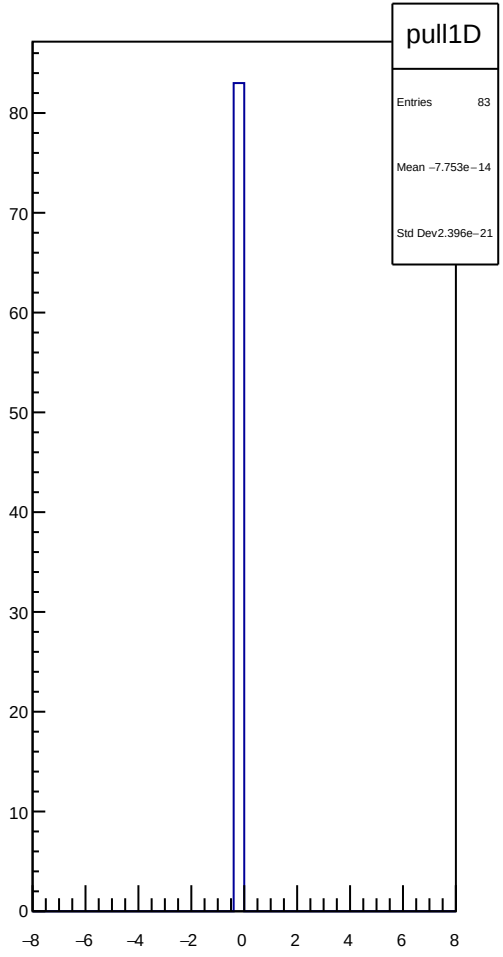

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.135e−24 / 82
p0 8.459 ± 0.02001
8.65
8.6
8.55
8.5
8.45
8.4
8.35
8.3
8.25
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12


pull1D
Entries 83
Mean −1.169e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

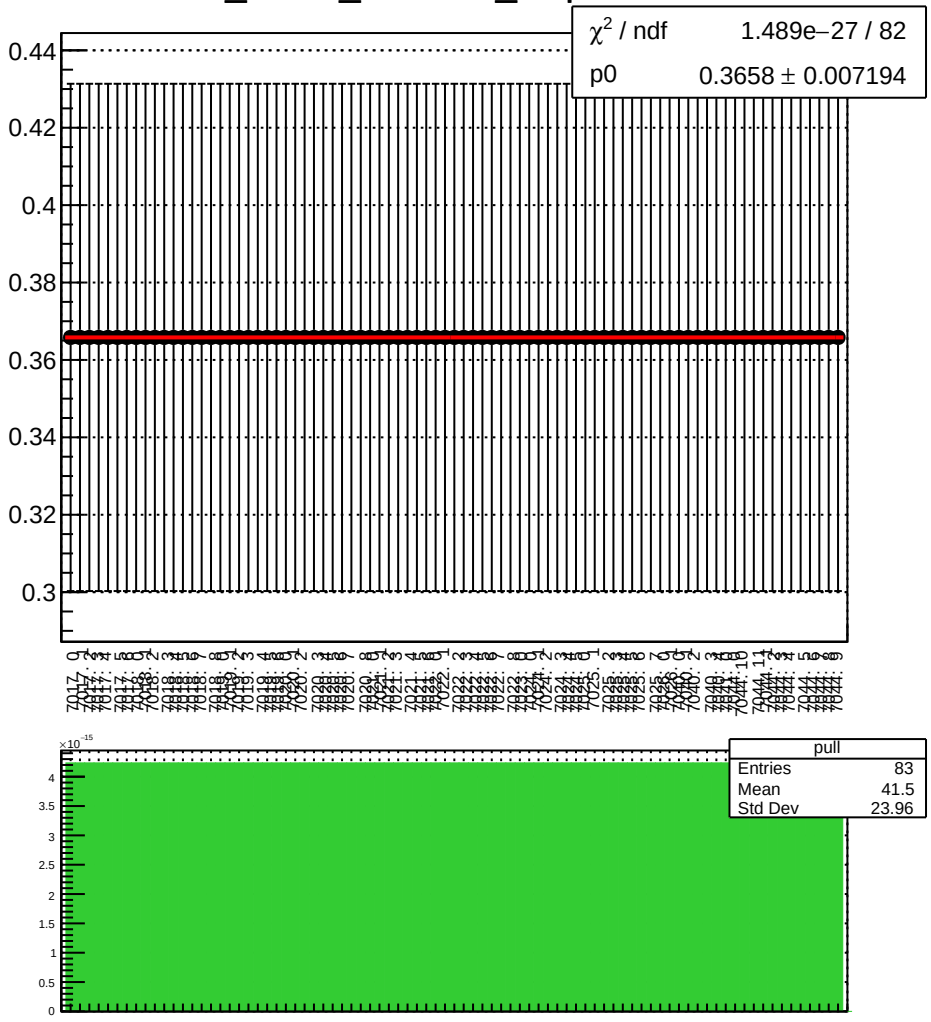

dit_sam2_4aX_slope vs run
χ^2 / ndf 5.204e−27 / 82
p0 42.6 ± 1.182
pull
Entries 83
Mean 41.5
Std Dev 23.96

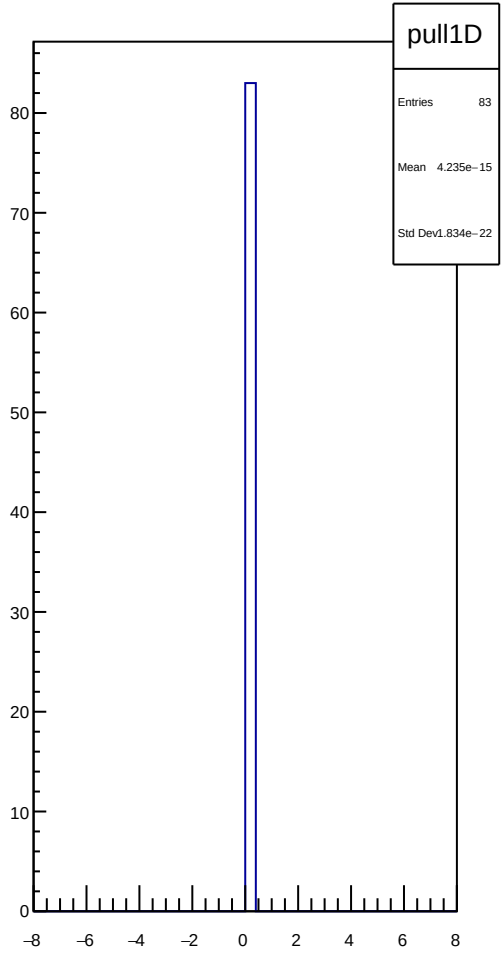

pull1D
Entries 83
Mean −7.918e−15
Std Dev4.235e−22

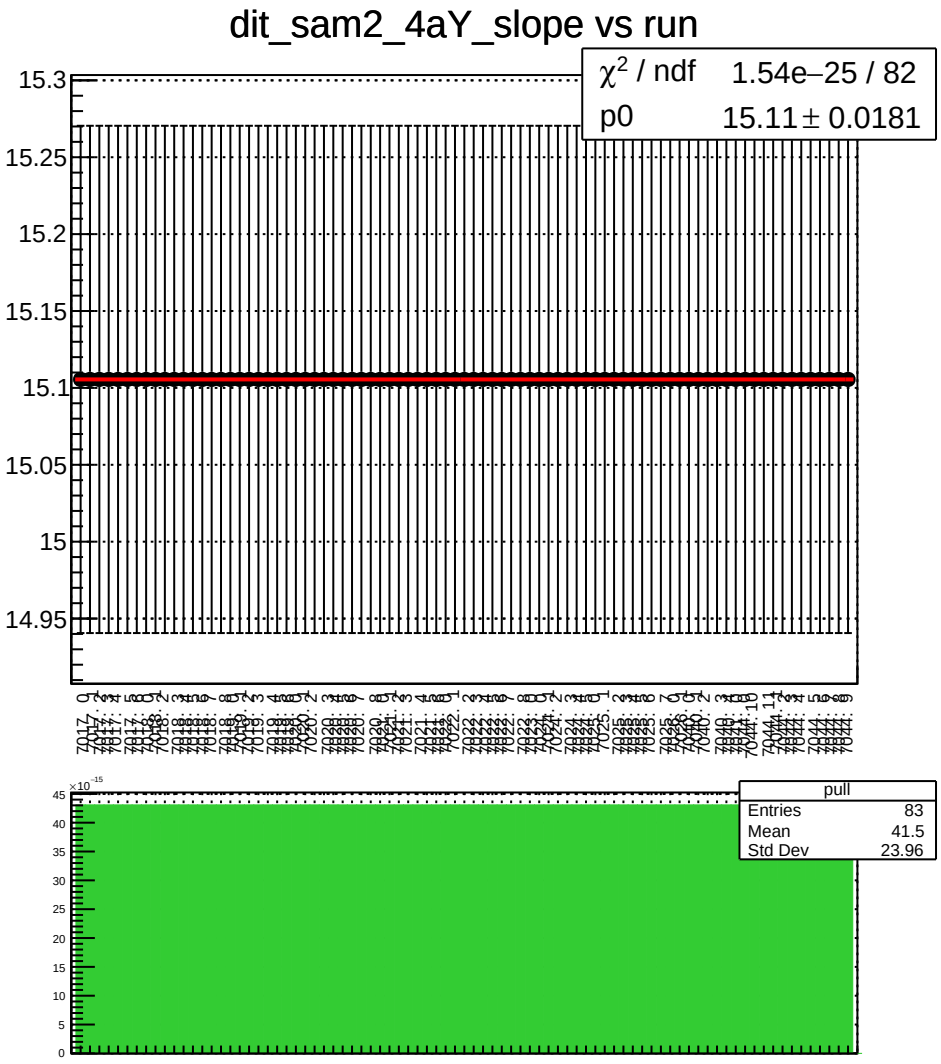

dit_sam2_4eX_slope vs run
χ^2 / ndf 4.989e−25 / 82
p0 −244.1 ± 1.127
−235
−240
−245
−250
−255
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

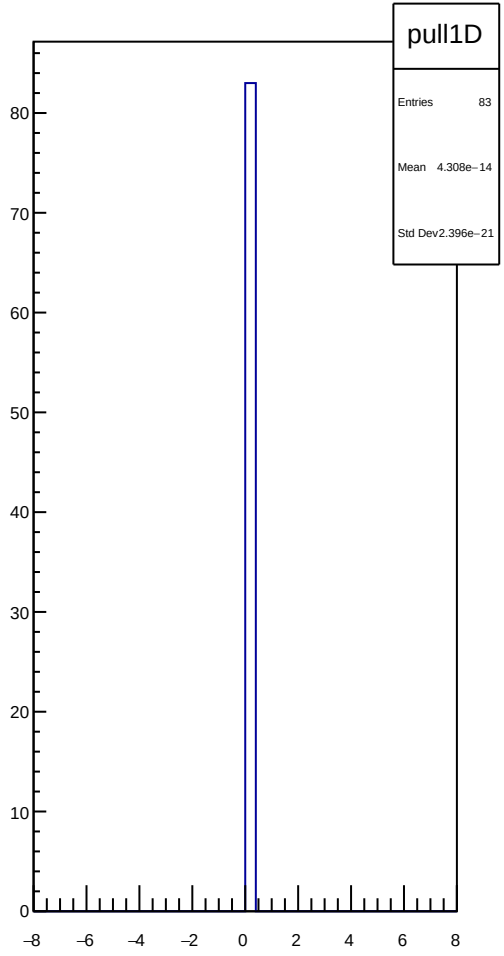

pull1D
Entries 83
Mean −7.753e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

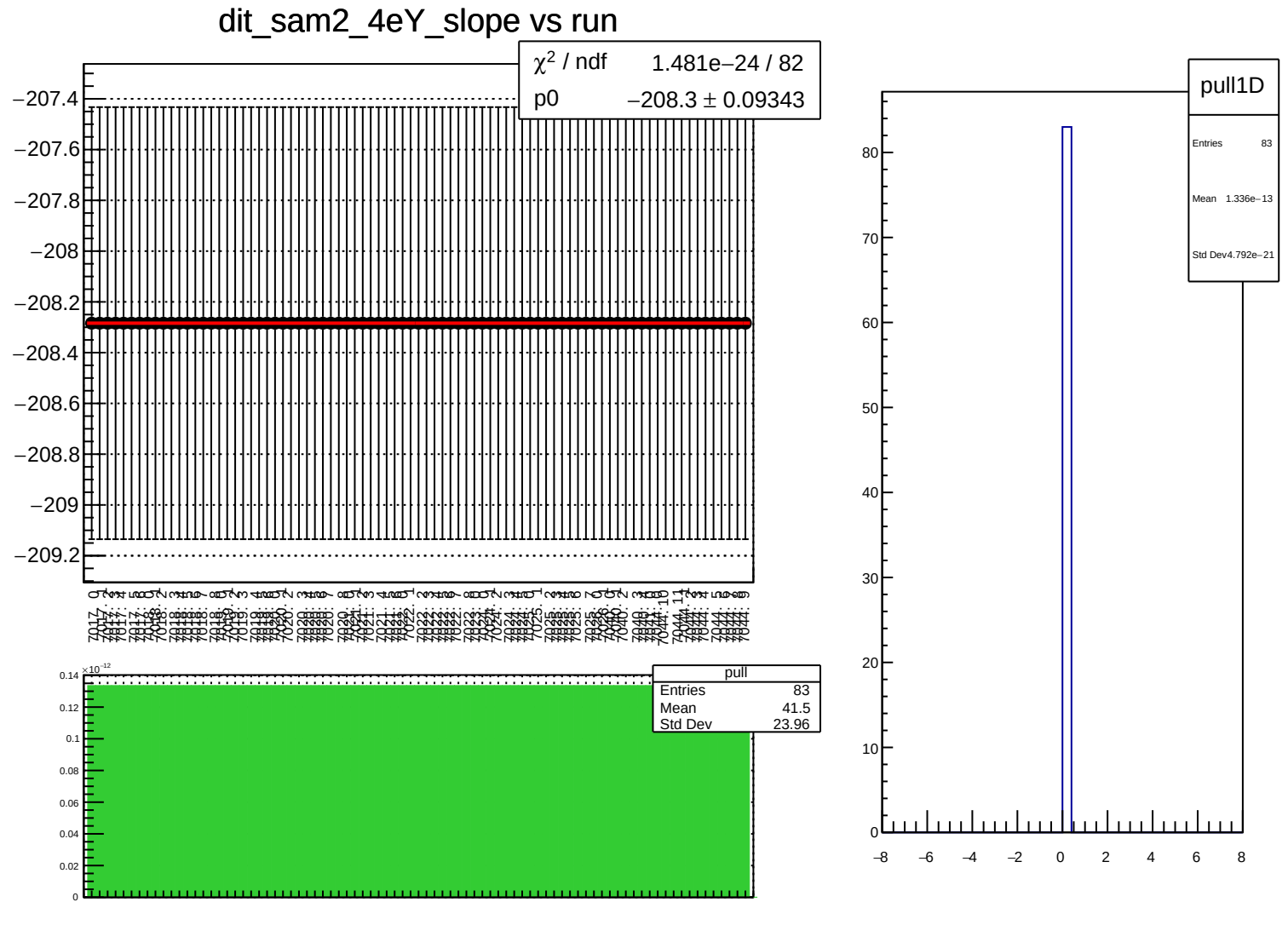
dit_sam2_11X12X_slope vs run

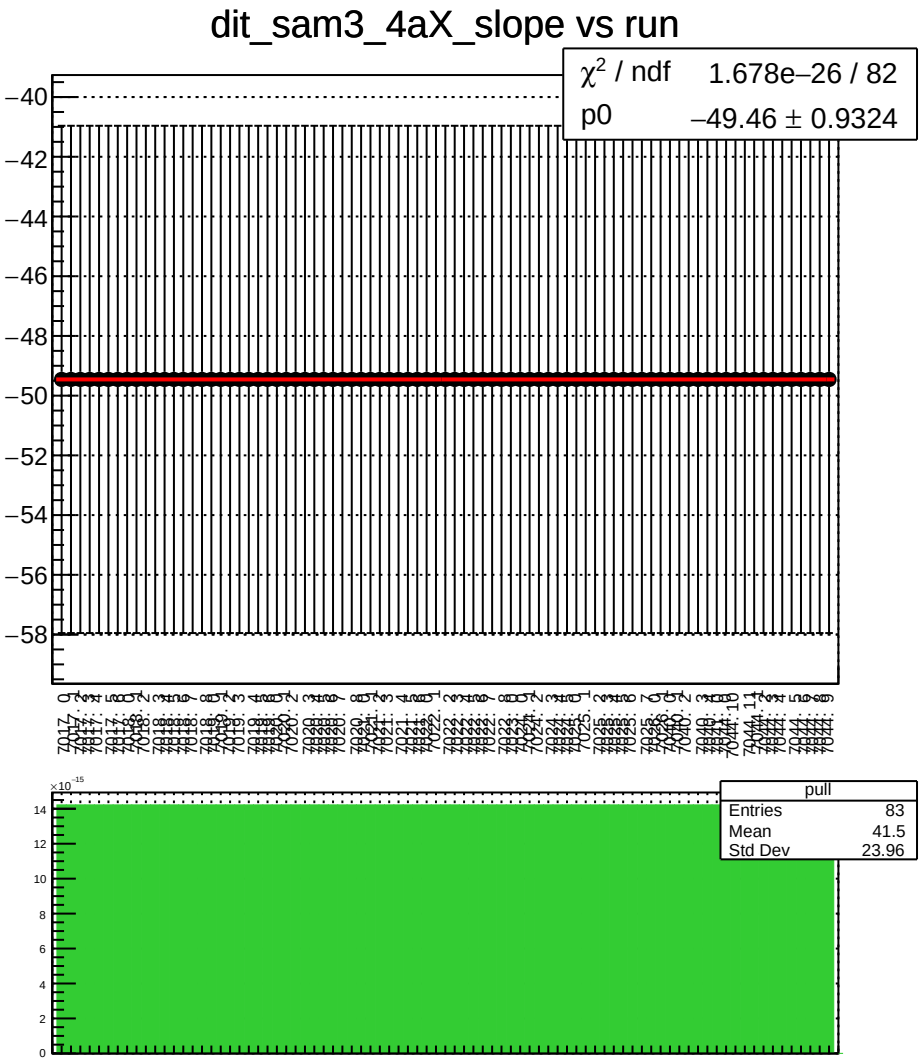


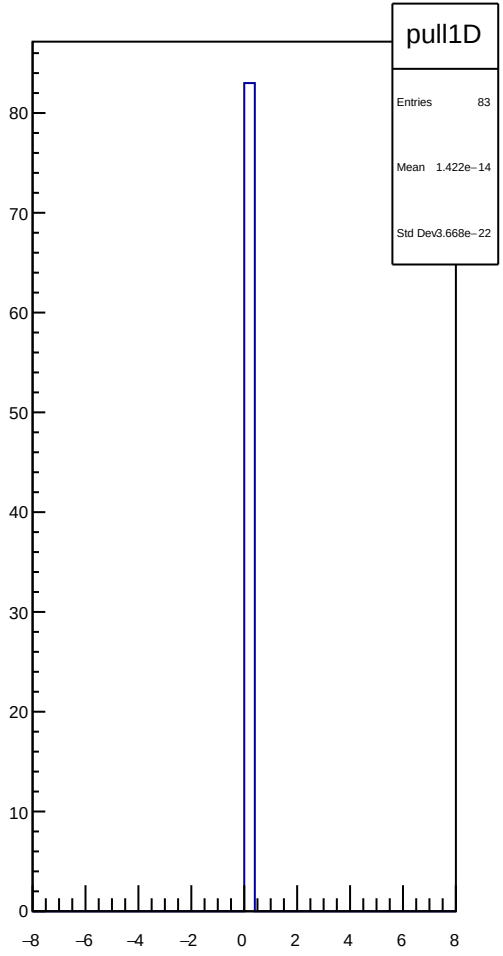


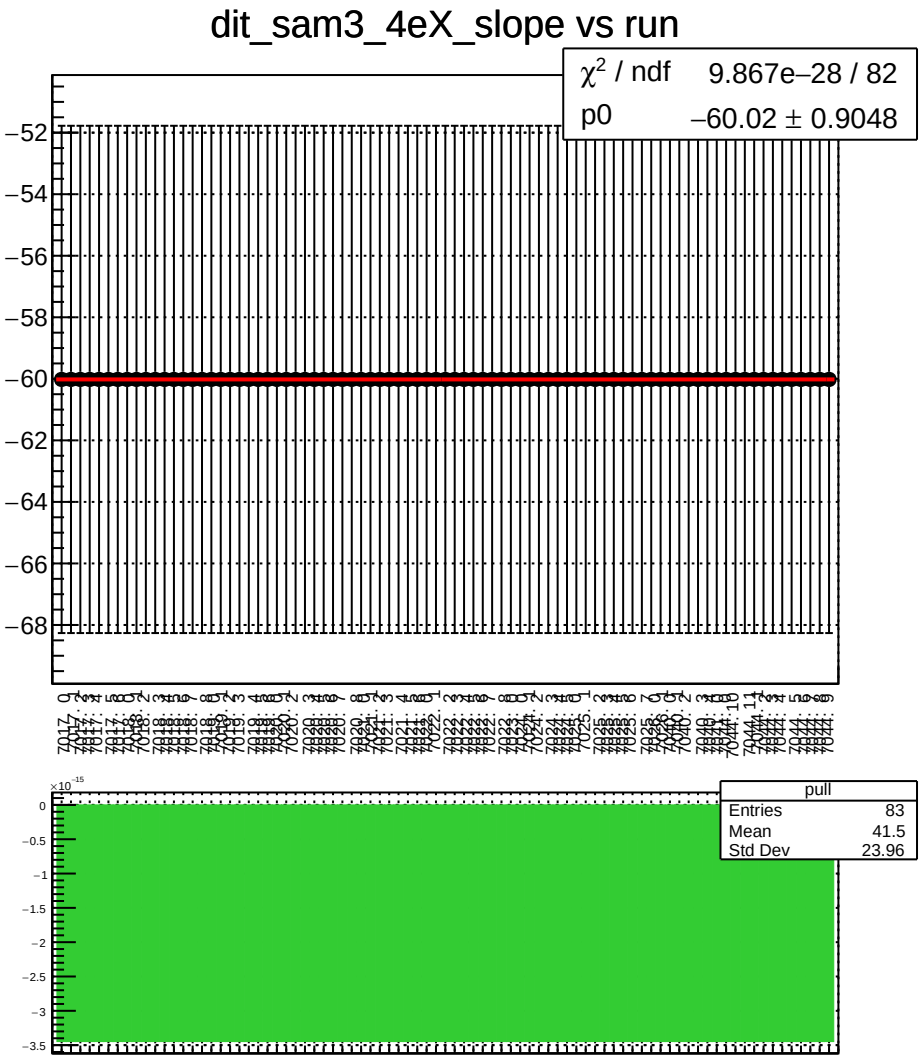

dit_sam2_4aY_slope vs run
χ² / ndf 1.54e−25 / 82
p0 15.11 ± 0.0181
15.3
15.25
15.2
15.15
15.1
15.05
15
14.95
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

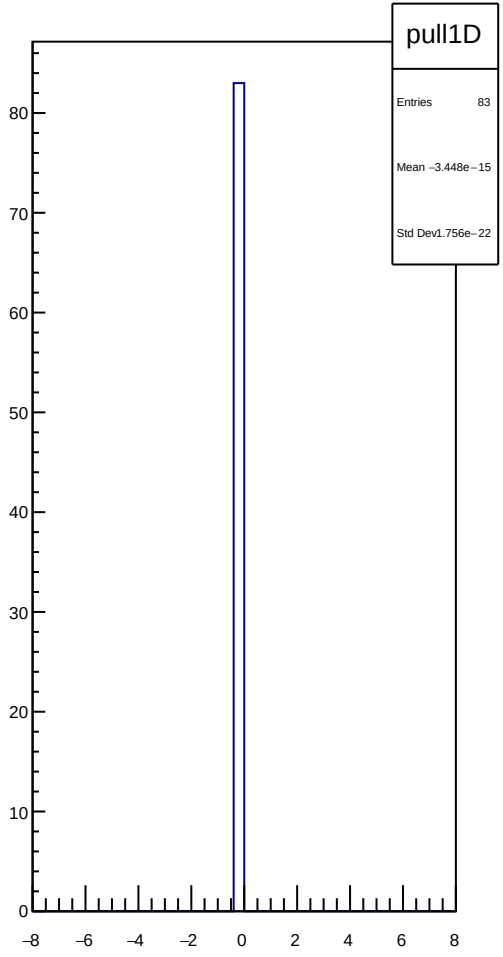

pull1D
Entries 83
Mean 4.308e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

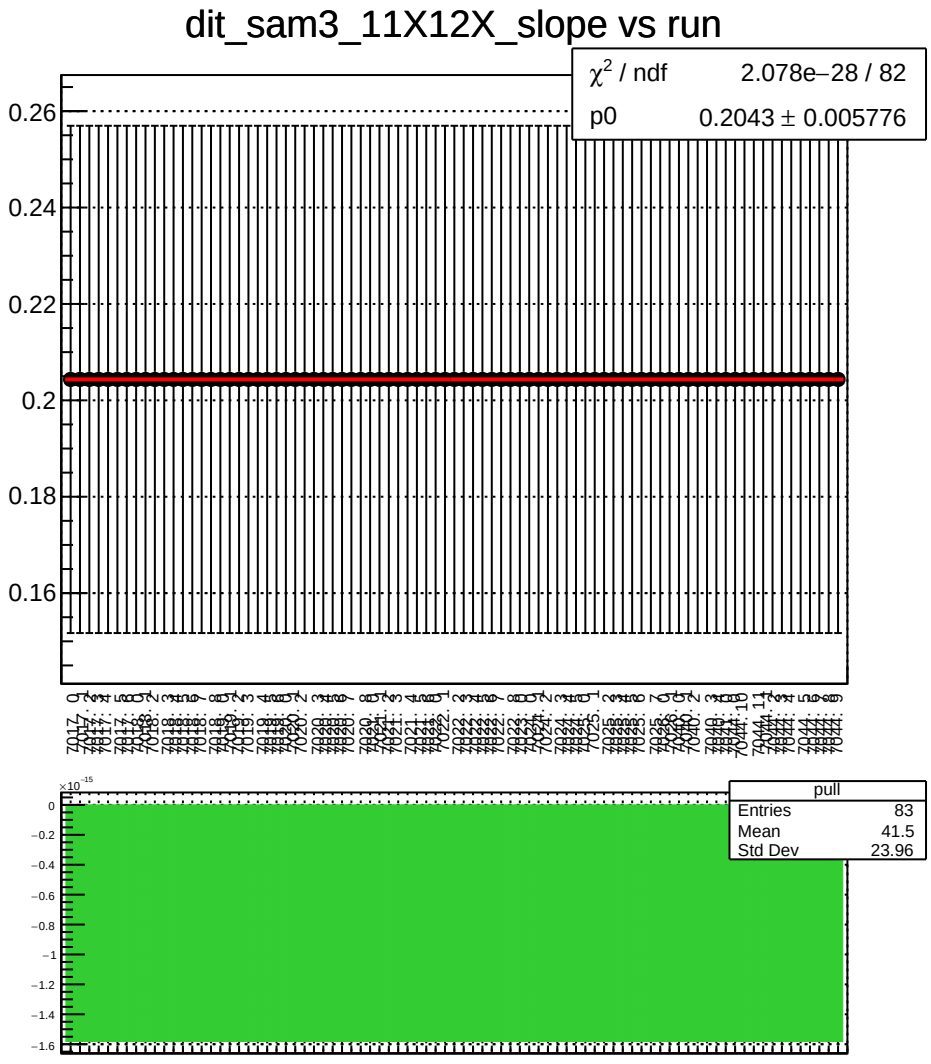

dit_sam2_4eY_slope vs run
χ² / ndf 1.481e−24 / 82
p0 −208.3 ± 0.09343
−207.4
−207.6
−207.8
−208
−208.2
−208.4
−208.6
−208.8
−209
−209.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 83
Mean 1.336e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

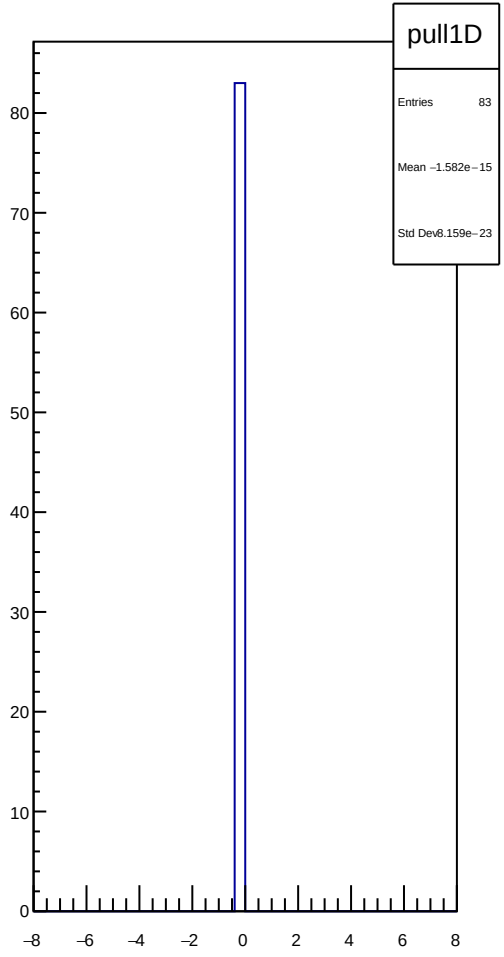

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.678e−26 / 82
p0 −49.46 ± 0.9324
pull
Entries 83
Mean 41.5
Std Dev 23.96

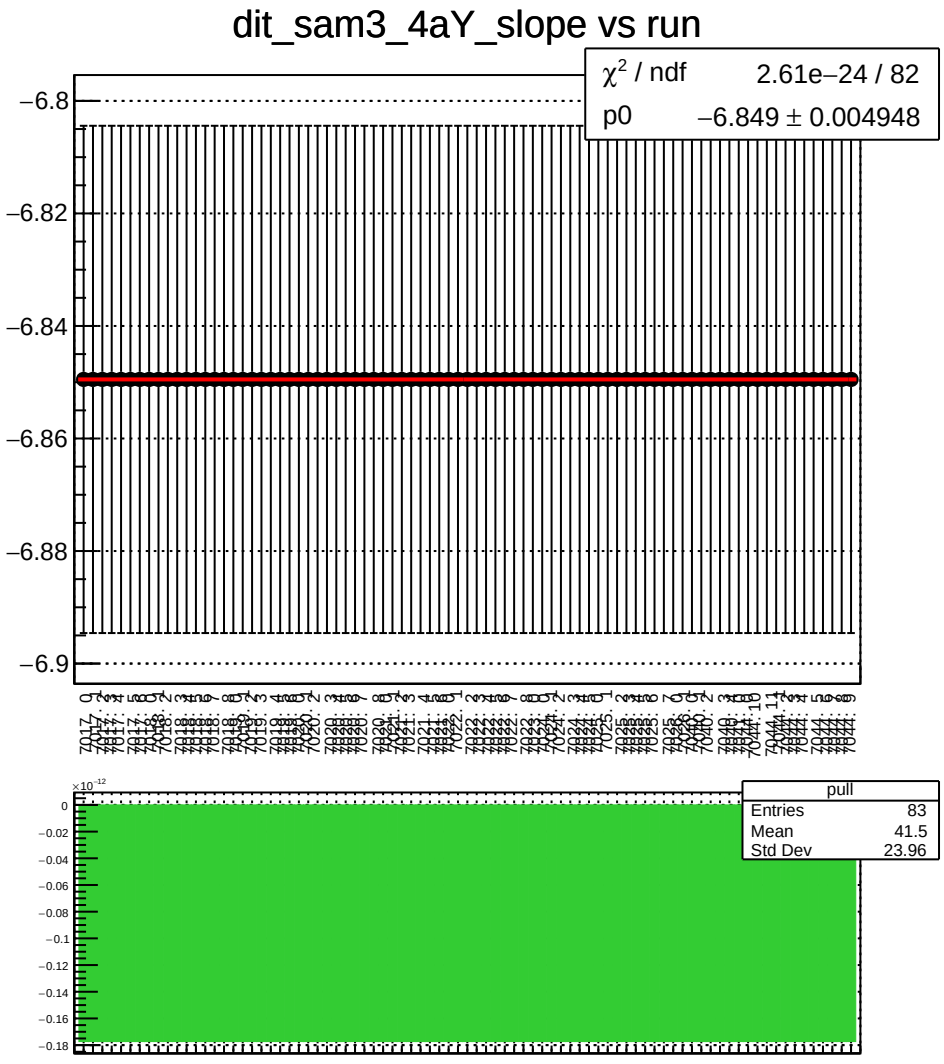

pull1D
Entries 83
Mean 1.422e−14
Std Dev 3.668e−22

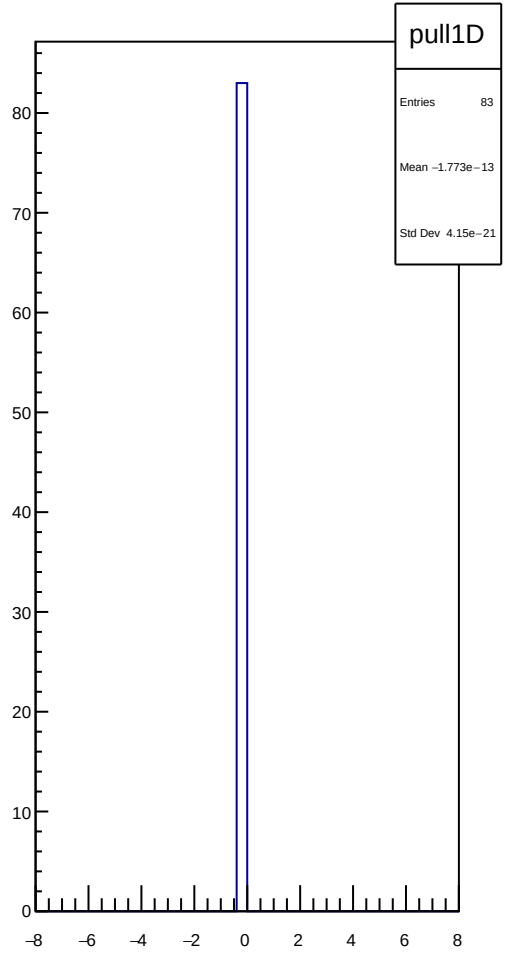

dit_sam3_4eX_slope vs run
χ^2 / ndf 9.867e−28 / 82
p0 −60.02 ± 0.9048
pull
Entries 83
Mean 41.5
Std Dev 23.96

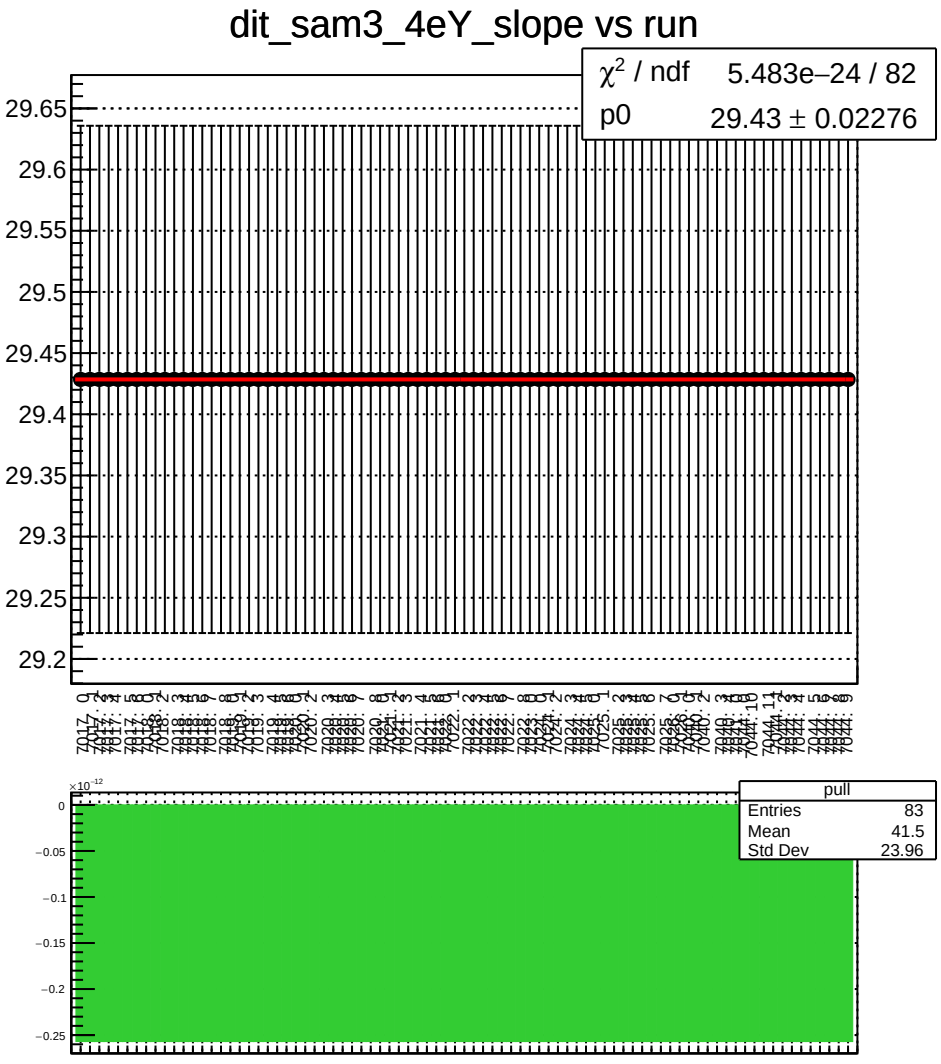

pull1D
Entries 83
Mean −3.448e−15
Std Dev1.756e−22

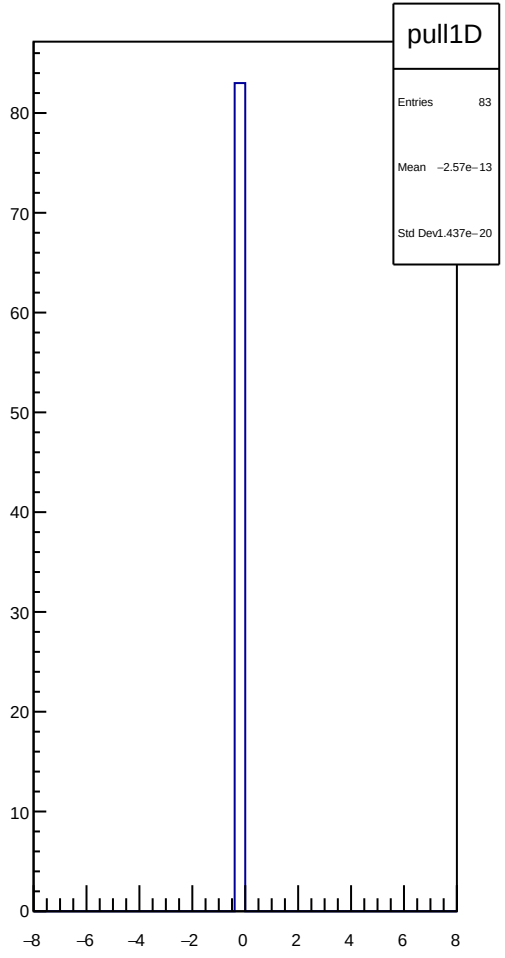

dit_sam3_11X12X_slope vs run
χ^2 / ndf 2.078e−28 / 82
p0 0.2043 ± 0.005776
0.26
0.24
0.22
0.2
0.18
0.16
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

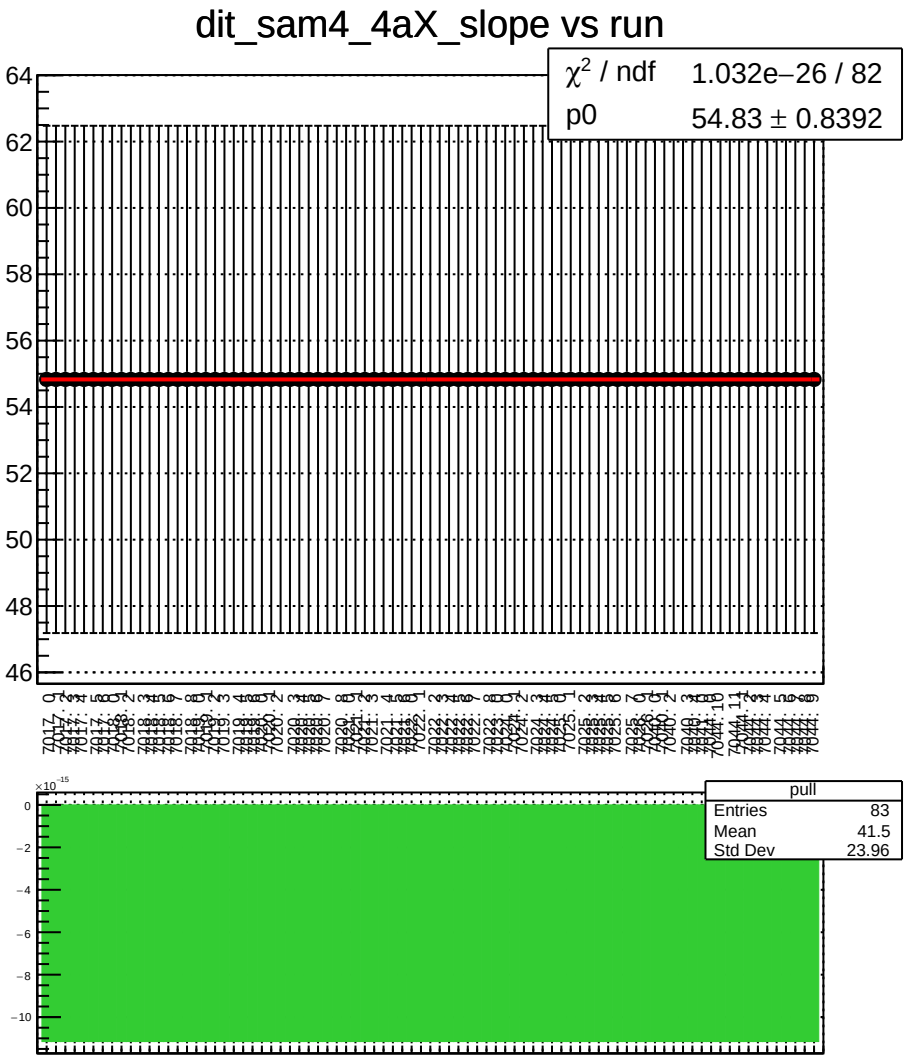

pull1D
Entries 83
Mean −1.582e−15
Std Dev 8.159e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

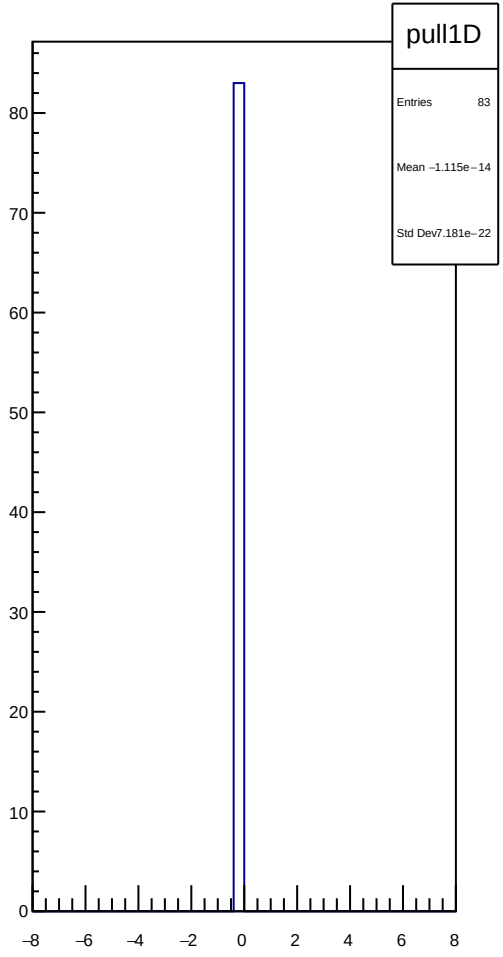

dit_sam3_4aY_slope vs run
χ² / ndf 2.61e−24 / 82
p0 −6.849 ± 0.004948
−6.8
−6.82
−6.84
−6.86
−6.88
−6.9
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

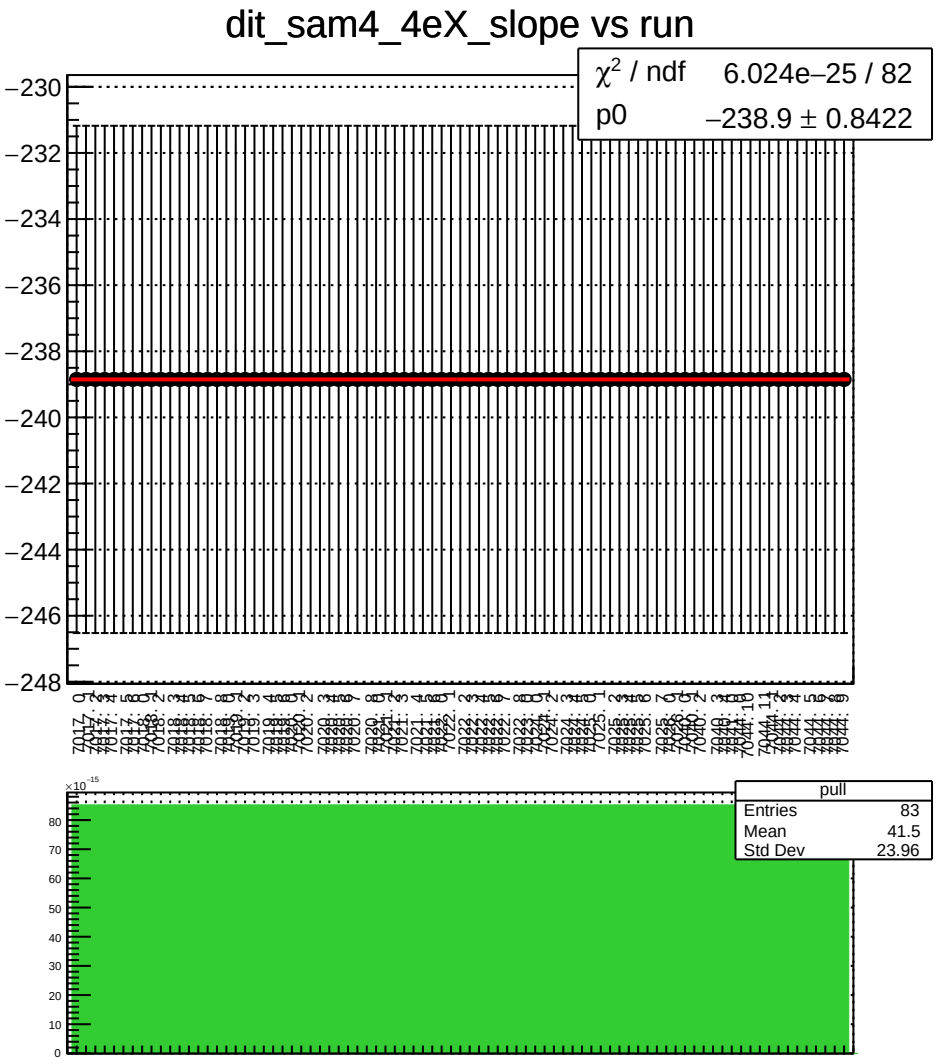

pull1D
Entries 83
Mean −1.773e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

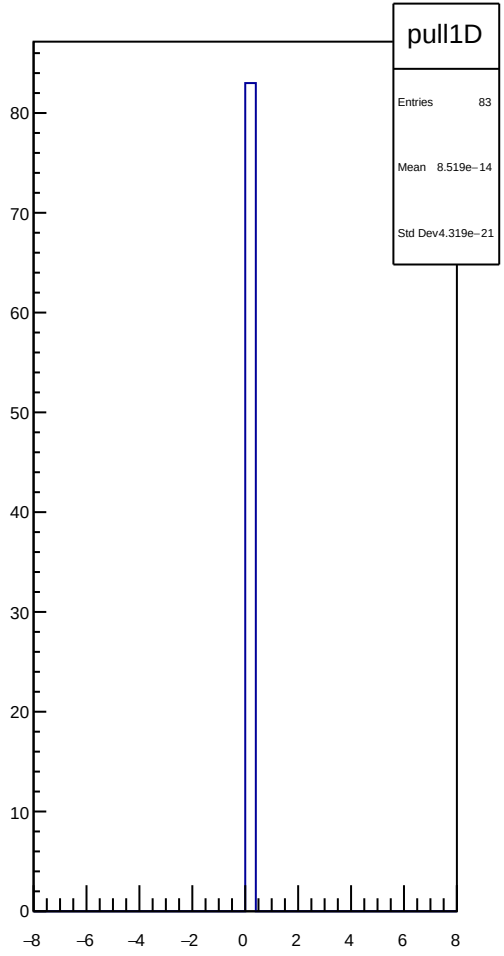

dit_sam3_4eY_slope vs run
χ^2 / ndf 5.483e−24 / 82
p0 29.43 ± 0.02276
29.65
29.6
29.55
29.5
29.45
29.4
29.35
29.3
29.25
29.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25

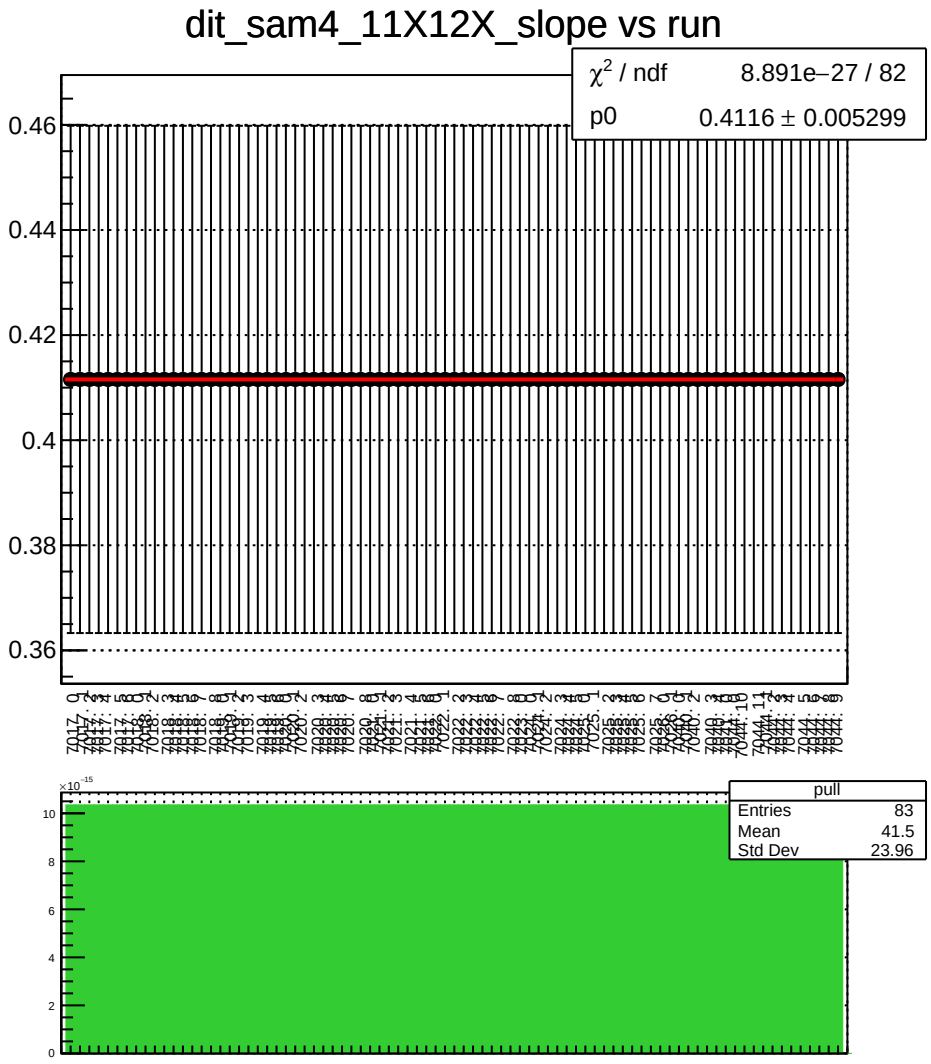

pull1D
Entries 83
Mean −2.57e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

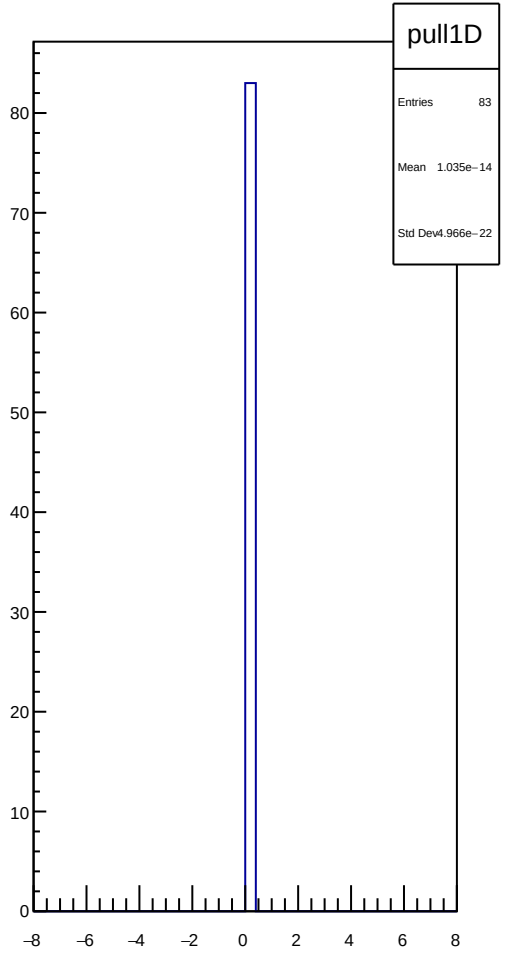

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.032e−26 / 82
p0 54.83 ± 0.8392
pull
Entries 83
Mean 41.5
Std Dev 23.96

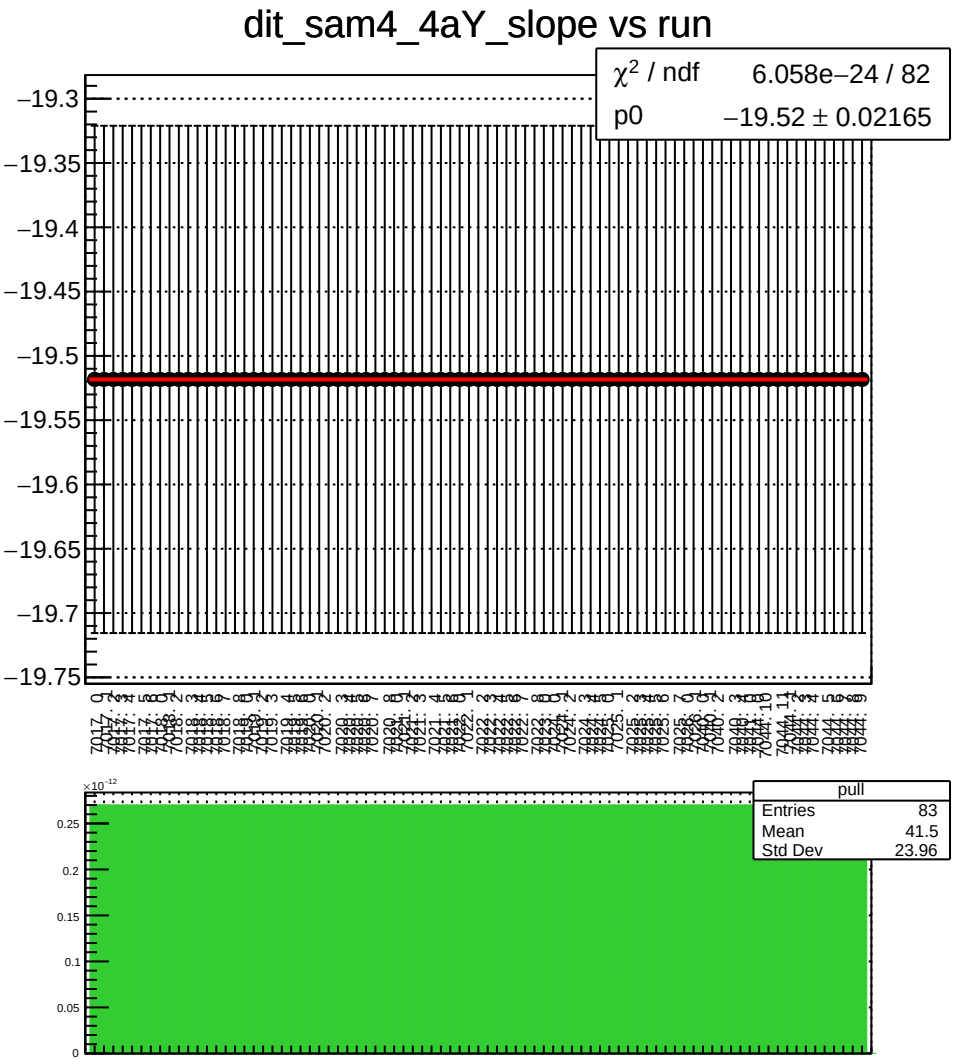

pull1D
Entries 83
Mean −1.115e−14
Std Dev7.181e−22

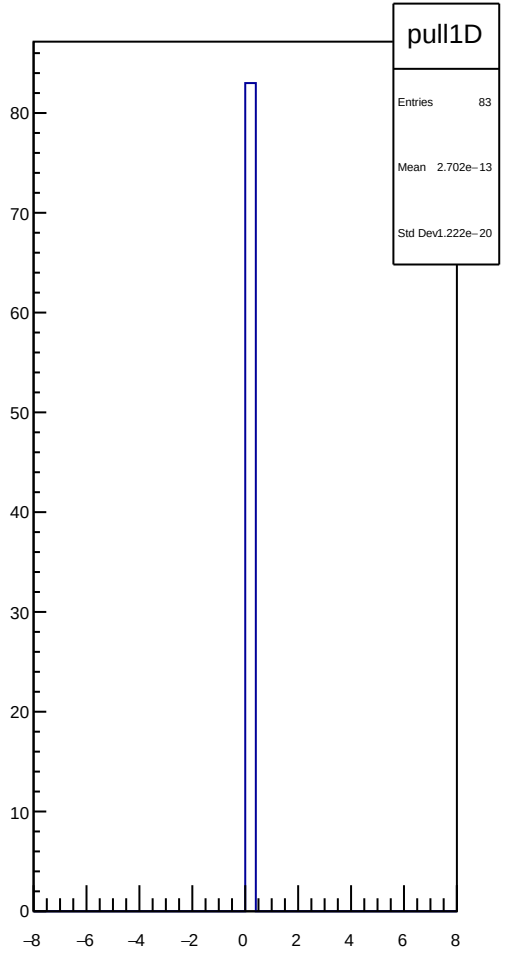

dit_sam4_4eX_slope vs run
χ^2 / ndf 6.024e−25 / 82
p0 −238.9 ± 0.8422
−230
−232
−234
−236
−238
−240
−242
−244
−246
−248
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
80
70
60
50
40
30
20
10
0

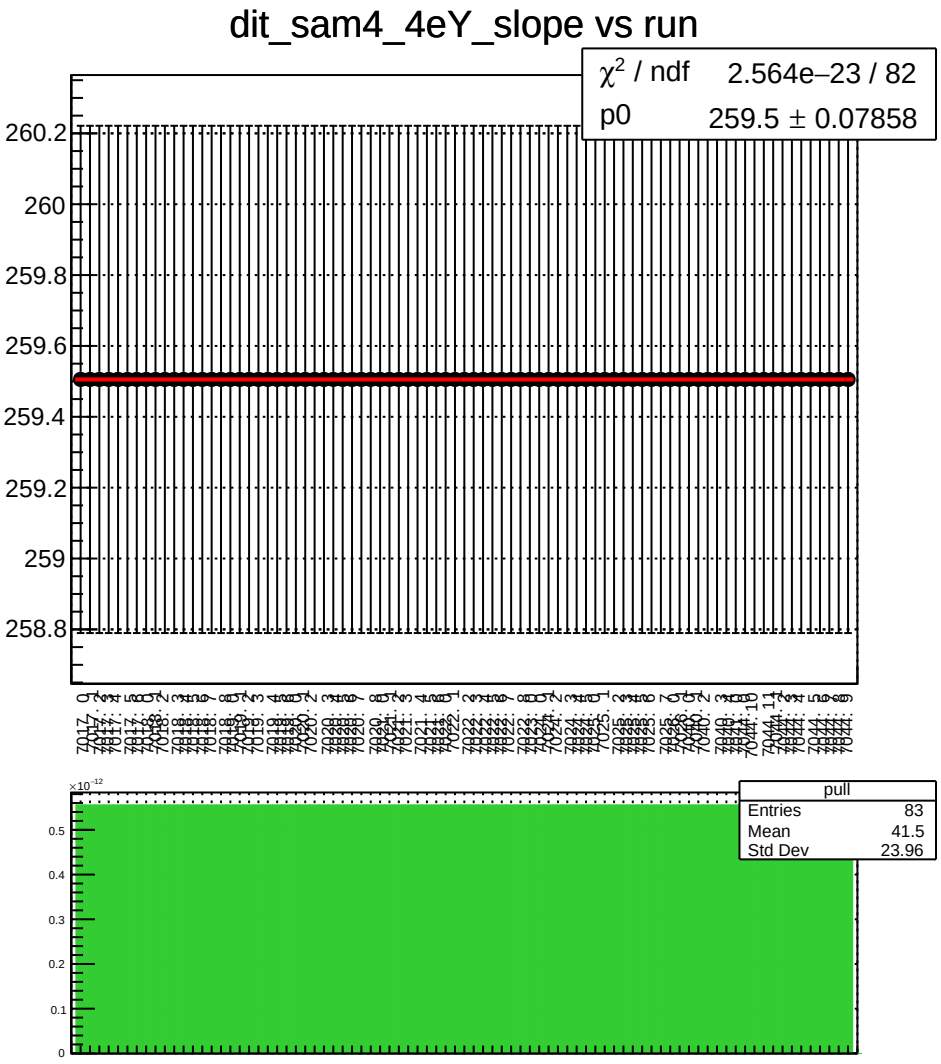

pull1D
Entries 83
Mean 8.519e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

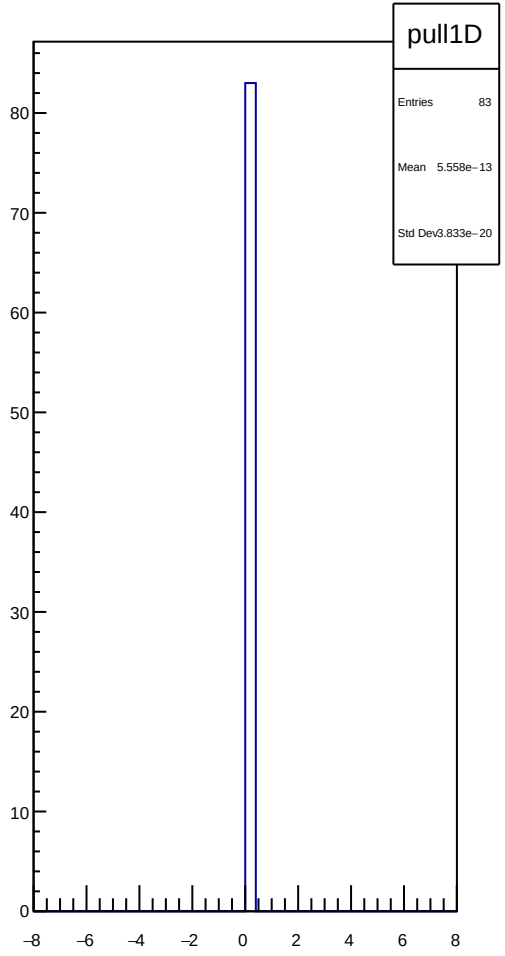

dit_sam4_11X12X_slope vs run
χ^2 / ndf 8.891e−27 / 82
p0 0.4116 ± 0.005299
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-15
10
8
6
4
2
0

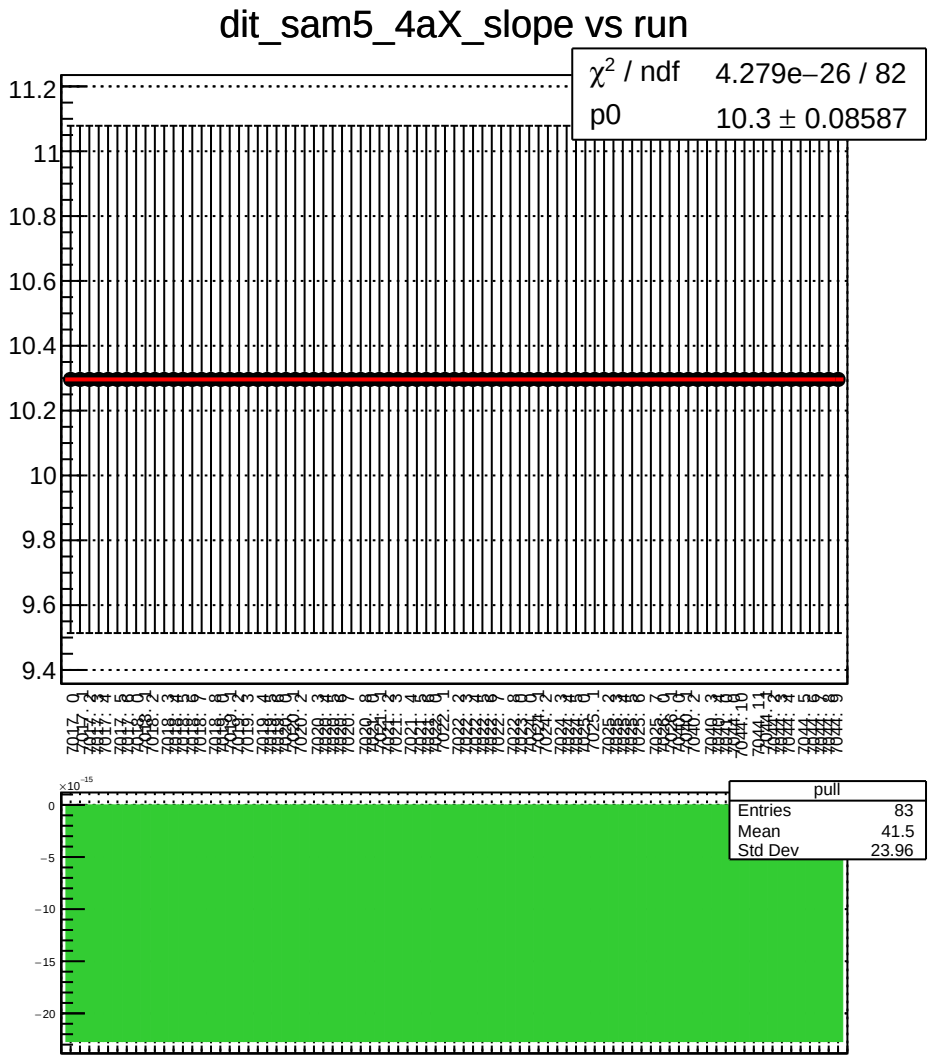

pull1D
Entries 83
Mean 1.035e−14
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

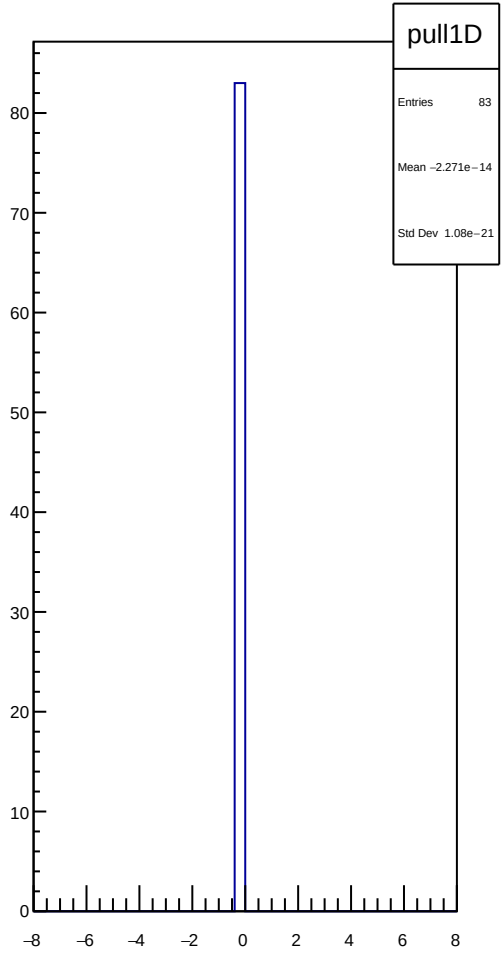

dit_sam4_4aY_slope vs run
χ^2 / ndf 6.058e−24 / 82
p0 −19.52 ± 0.02165
−19.3
−19.35
−19.4
−19.45
−19.5
−19.55
−19.6
−19.65
−19.7
−19.75
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0.25
0.2
0.15
0.1
0.05
0

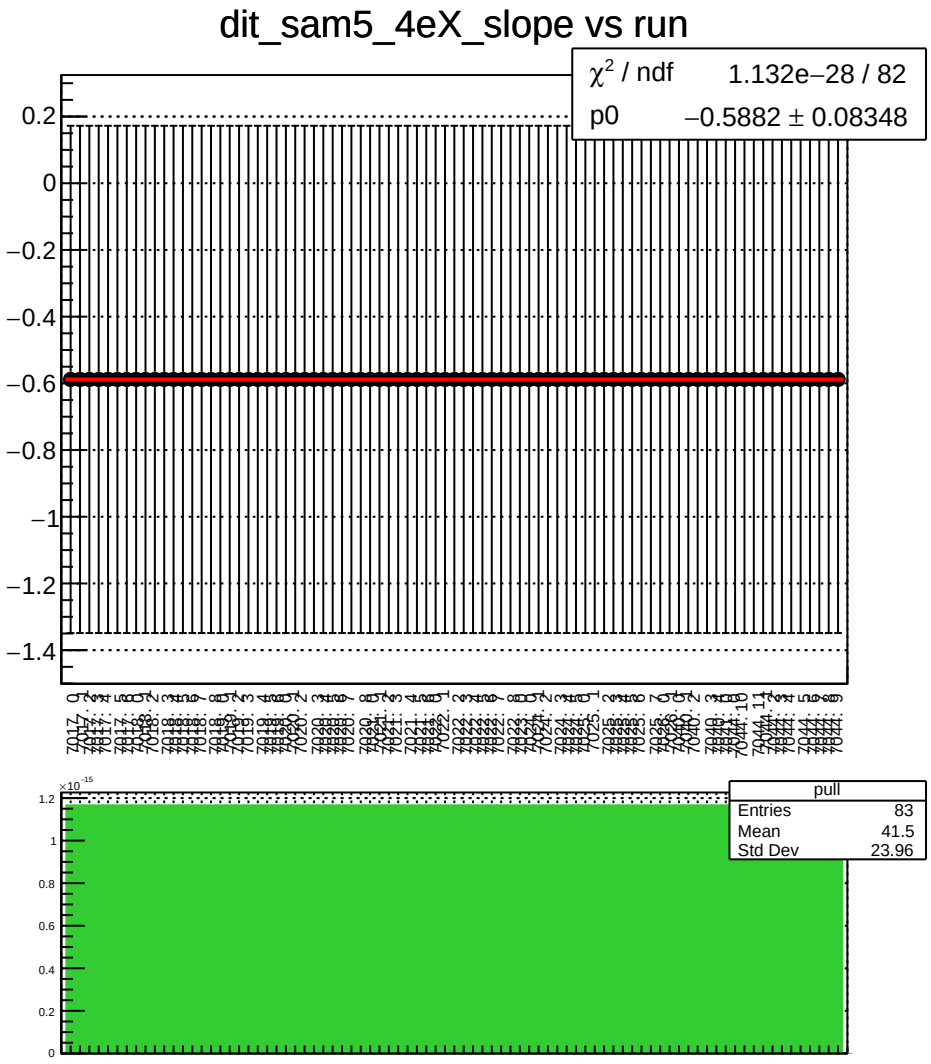

pull1D
Entries 83
Mean 2.702e−13
Std Dev 1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

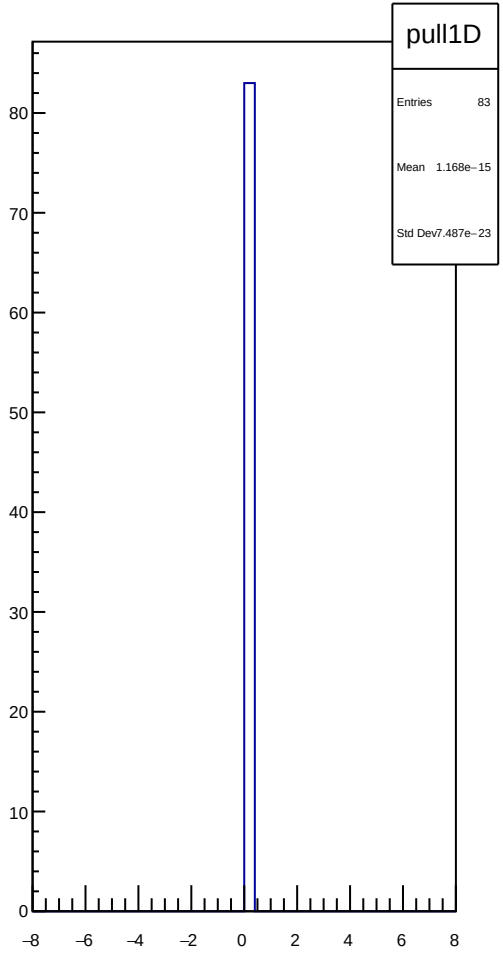

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.564e−23 / 82
p0 259.5 ± 0.07858
260.2
260
259.8
259.6
259.4
259.2
259
258.8
pull
Entries 83
Mean 41.5
Std Dev 23.96
$\times 10^{-12}$
0.5
0.4
0.3
0.2
0.1
0

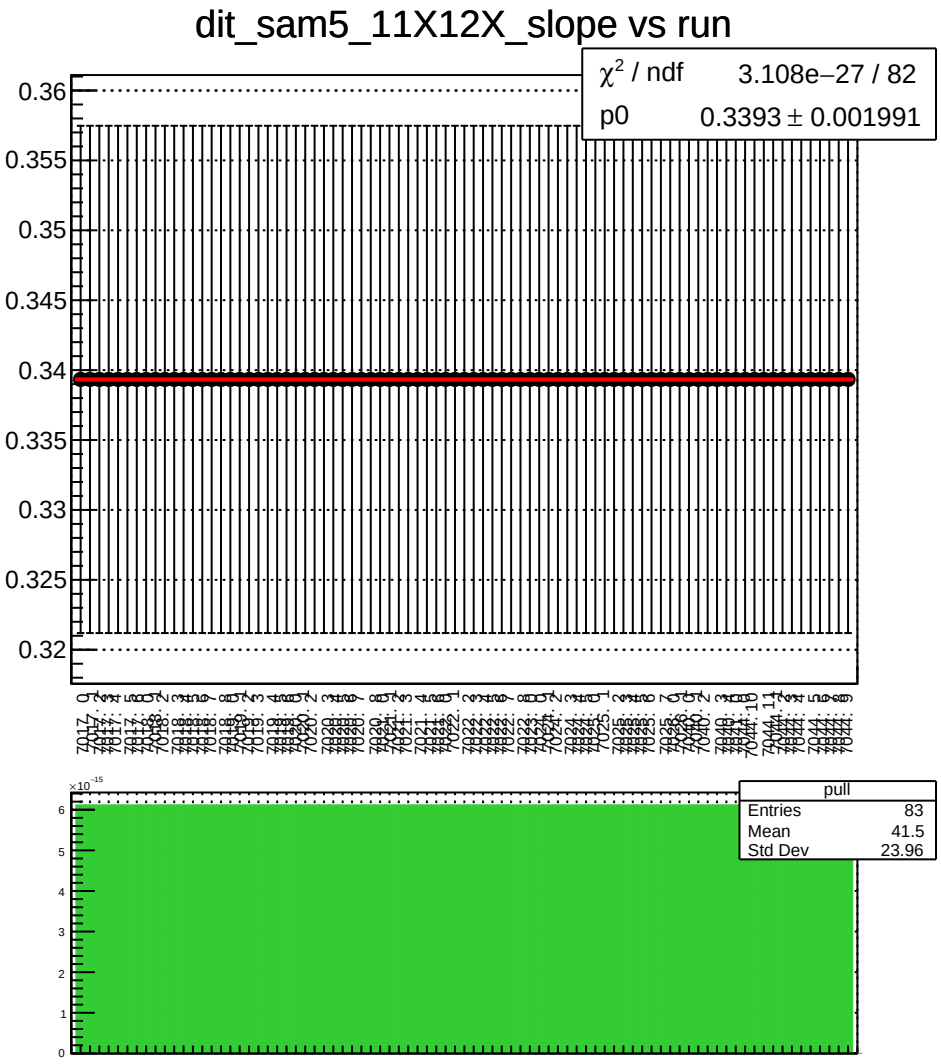

pull1D
Entries 83
Mean 5.558e−13
Std Dev 3.833e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

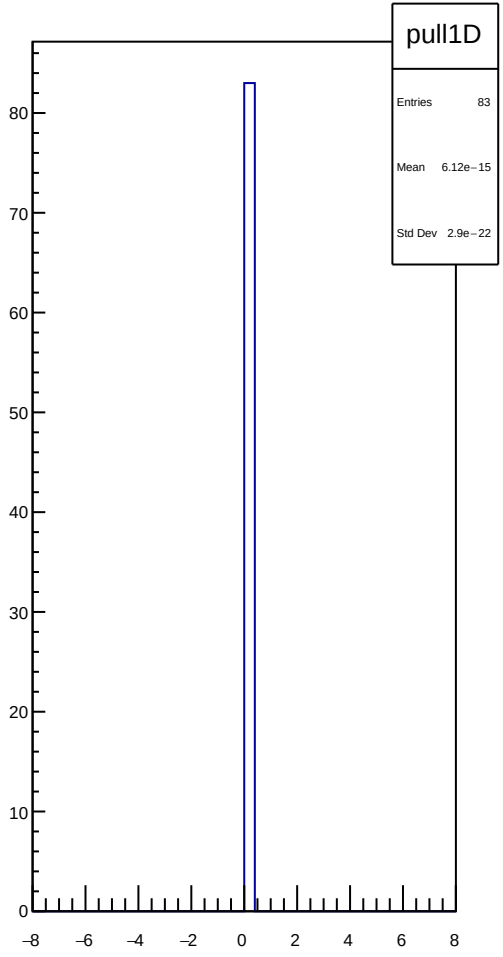

dit_sam5_4aX_slope vs run
χ^2 / ndf 4.279e−26 / 82
p0 10.3 ± 0.08587
pull
Entries 83
Mean 41.5
Std Dev 23.96

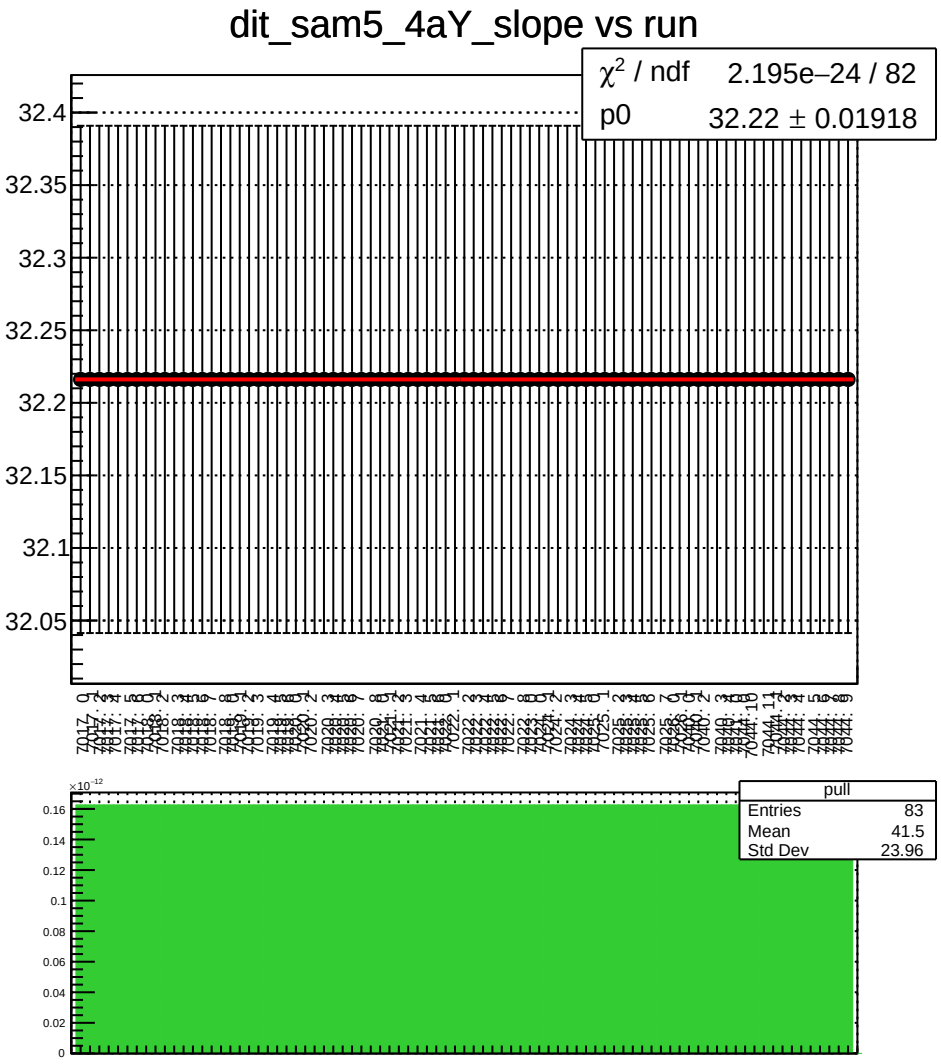

pull1D
Entries 83
Mean −2.271e−14
Std Dev 1.08e−21

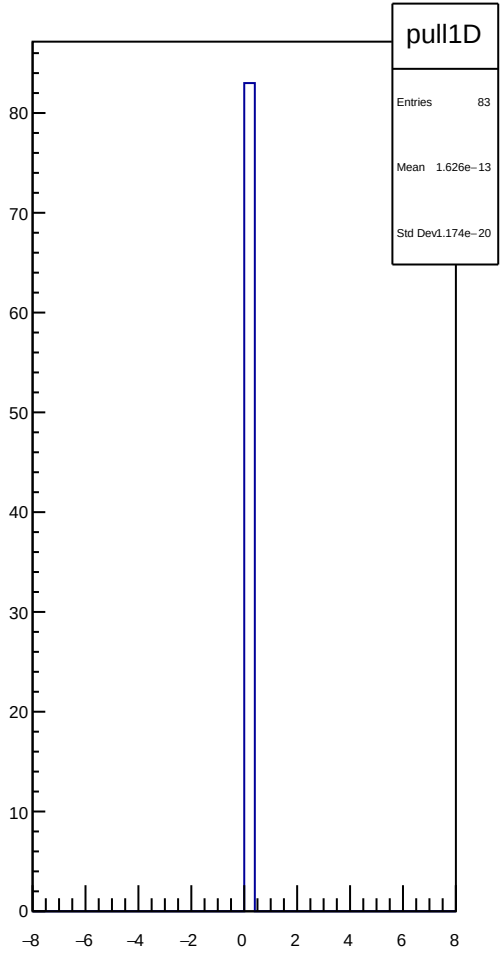

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.132e−28 / 82
p0 −0.5882 ± 0.08348
pull
Entries 83
Mean 41.5
Std Dev 23.96

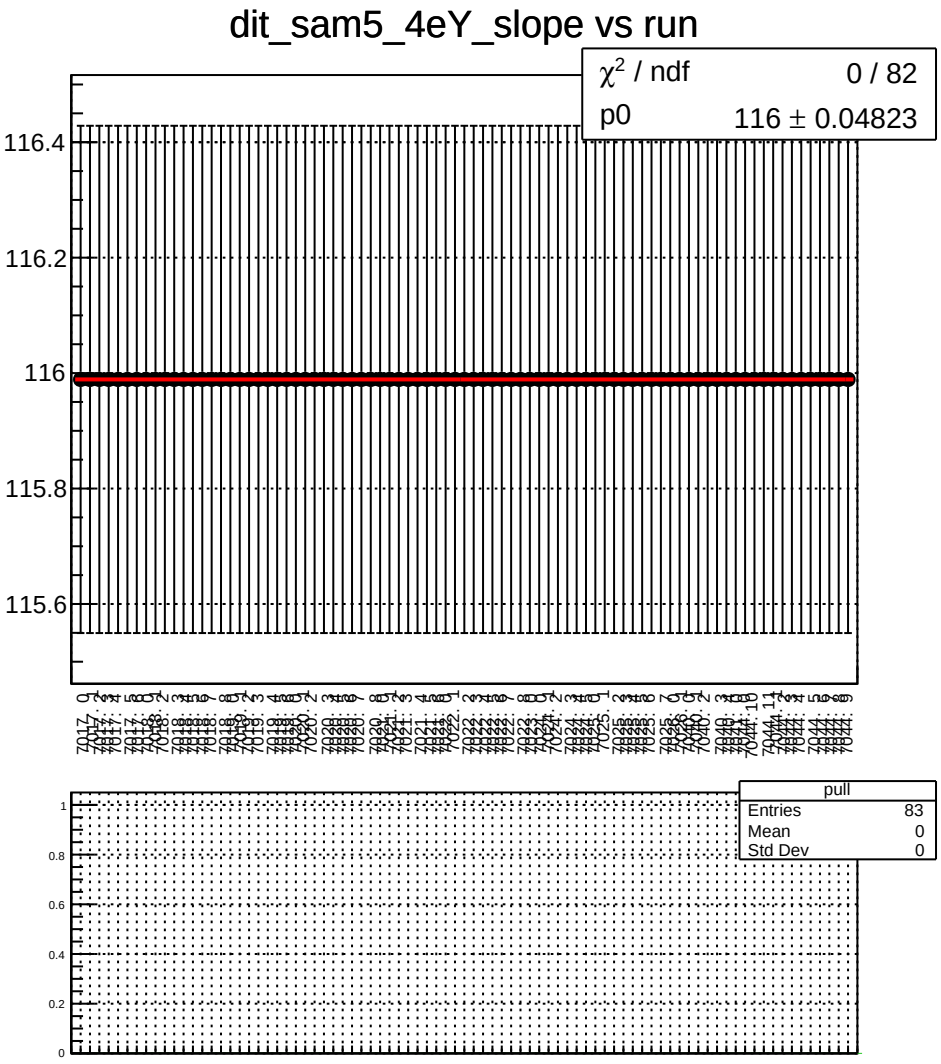

pull1D
Entries 83
Mean 1.168e−15
Std Dev7.487e−23

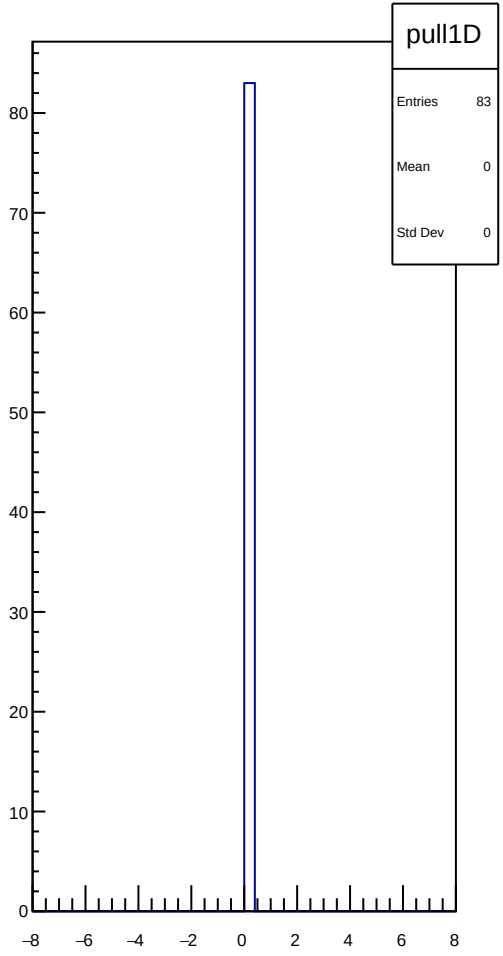

dit_sam5_11X12X_slope vs run
χ^2 / ndf 3.108e−27 / 82
p0 0.3393 ± 0.001991
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
0.32
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^-15
6
5
4
3
2
1
0

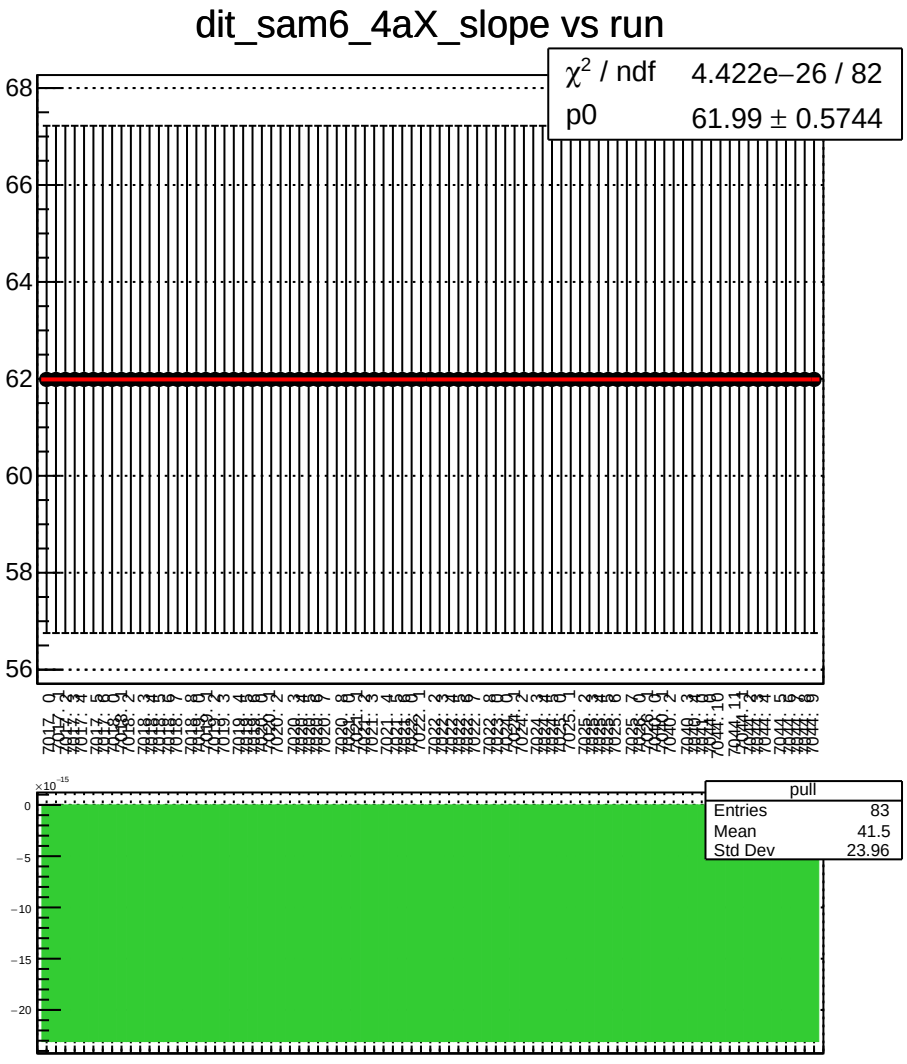

pull1D
Entries 83
Mean 6.12e−15
Std Dev 2.9e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

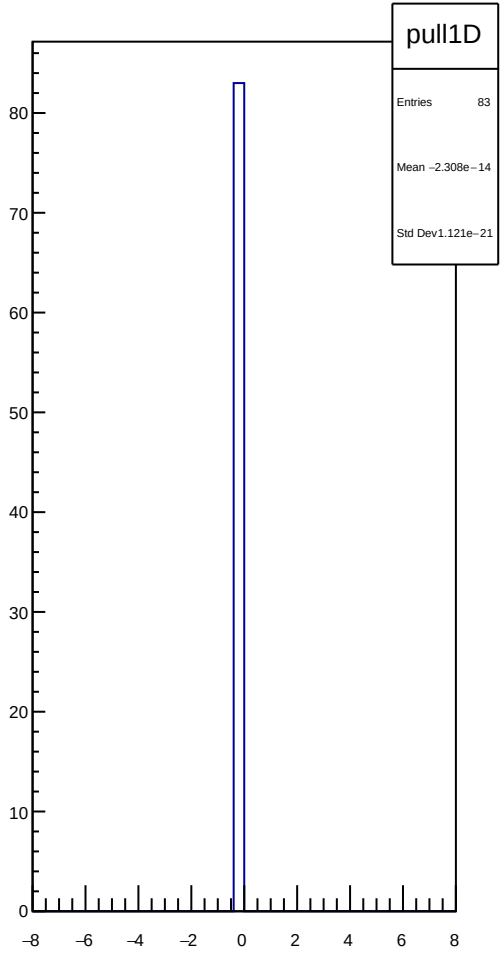

dit_sam5_4aY_slope vs run
χ² / ndf 2.195e−24 / 82
p0 32.22 ± 0.01918
32.4
32.35
32.3
32.25
32.2
32.15
32.1
32.05
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0


pull1D
Entries 83
Mean 1.626e−13
Std Dev 1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

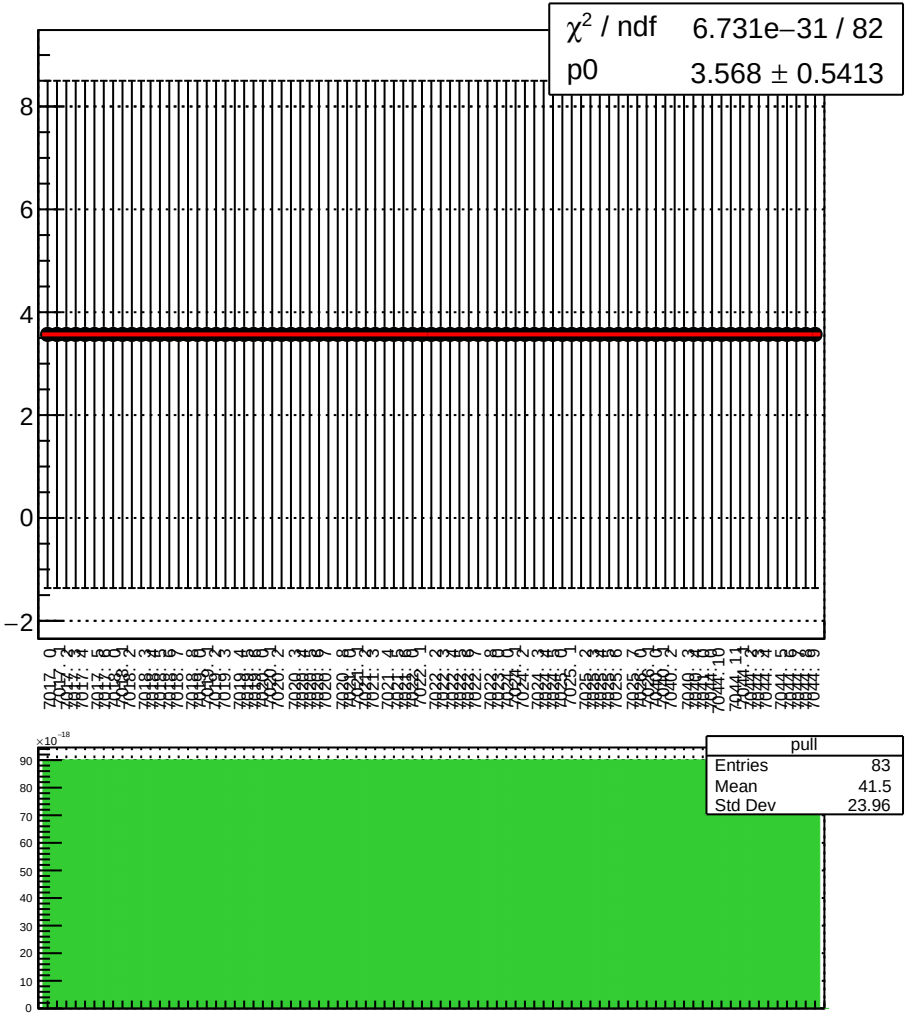

dit_sam5_4eY_slope vs run
χ² / ndf 0 / 82
p0 116 ± 0.04823
116.4
116.2
116
115.8
115.6
pull
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

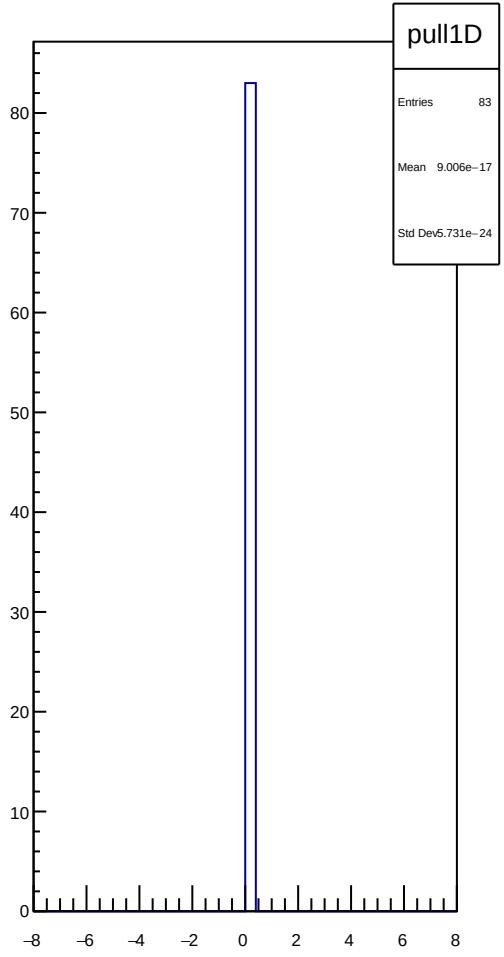

pull1D
Entries 83
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

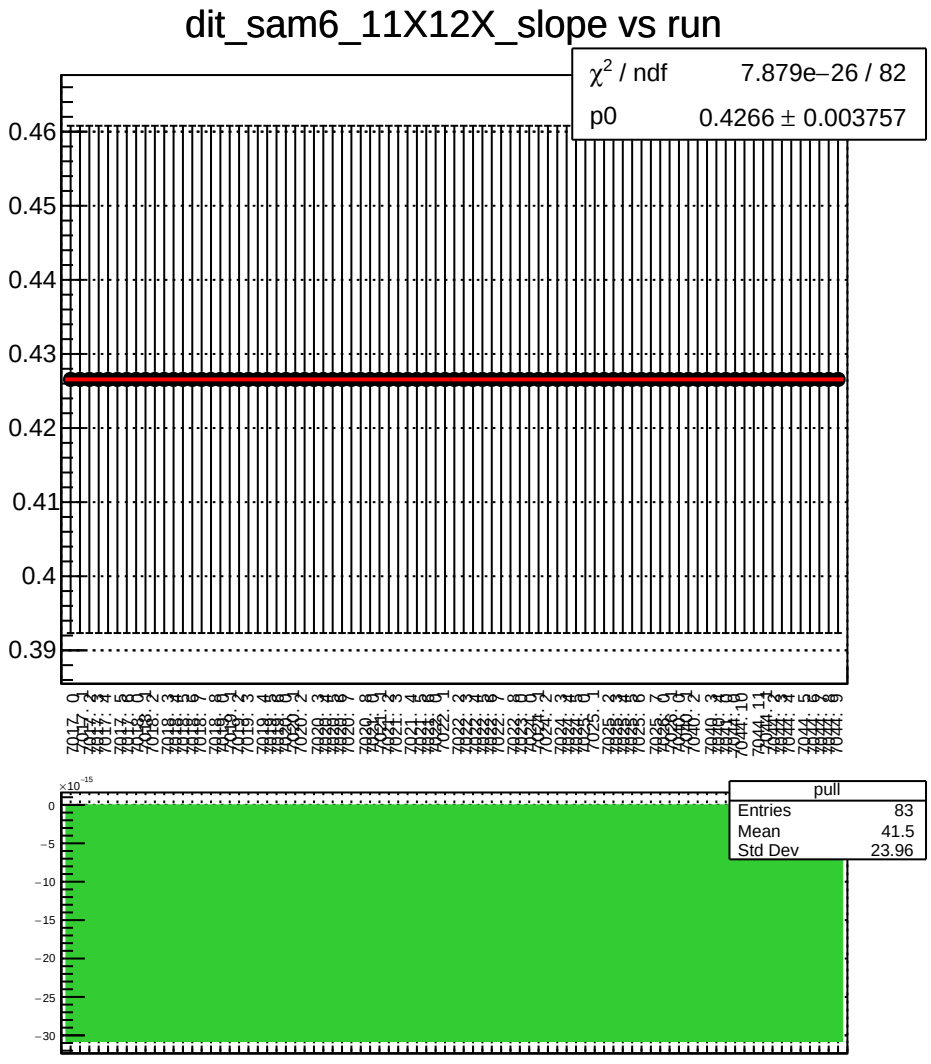

dit_sam6_4aX_slope vs run
χ^2 / ndf 4.422e−26 / 82
p0 61.99 ± 0.5744
68
66
64
62
60
58
56
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−5
−10
−15
−20

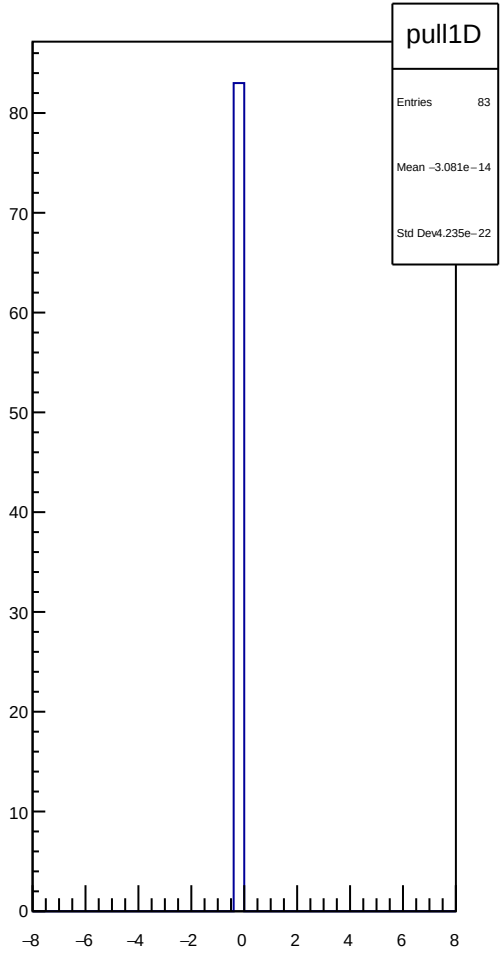

pull1D
Entries 83
Mean −2.308e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

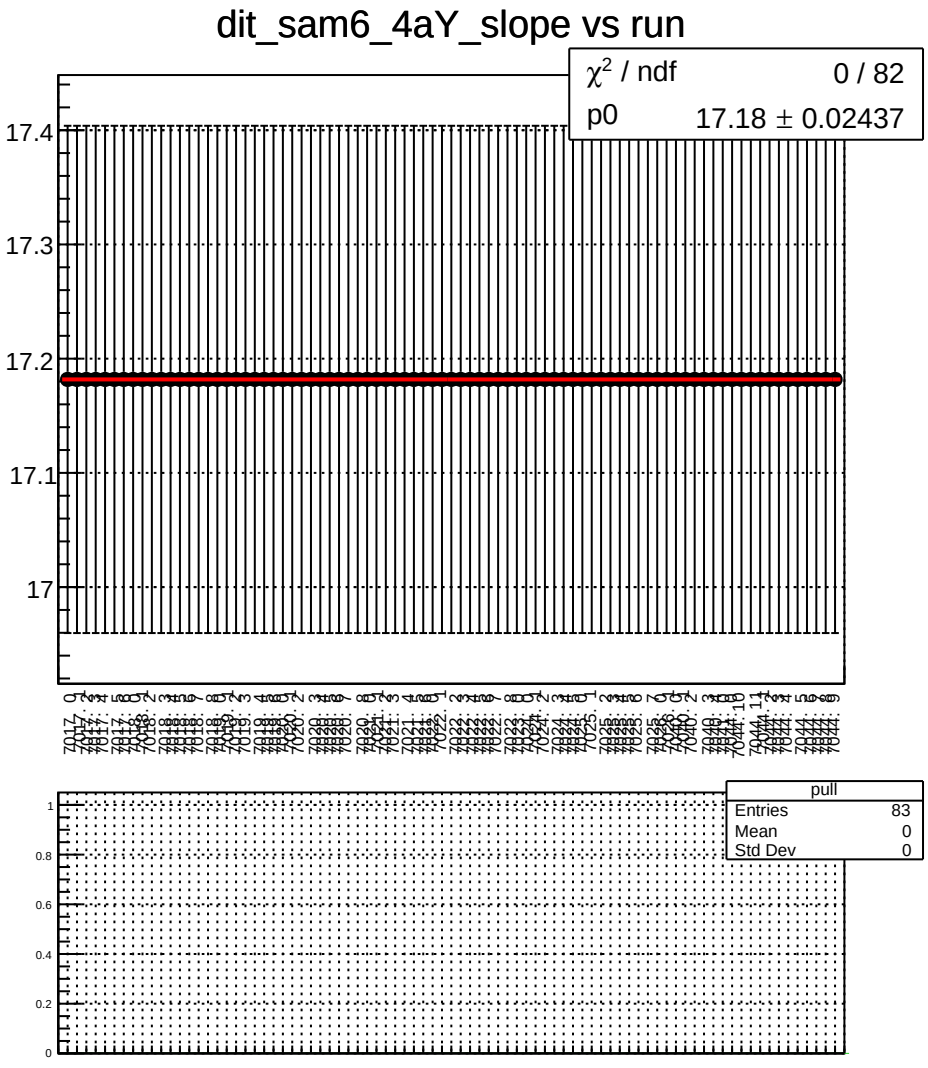
dit_sam6_4eX_slope vs run

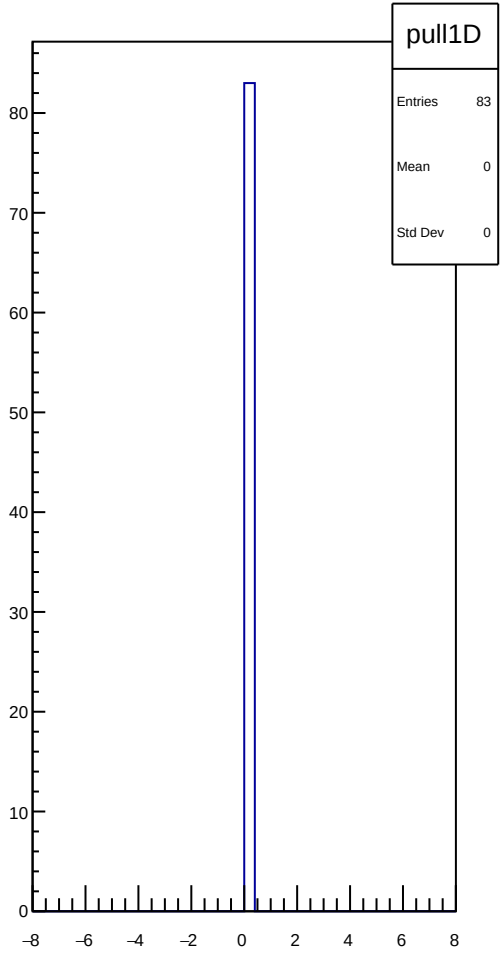


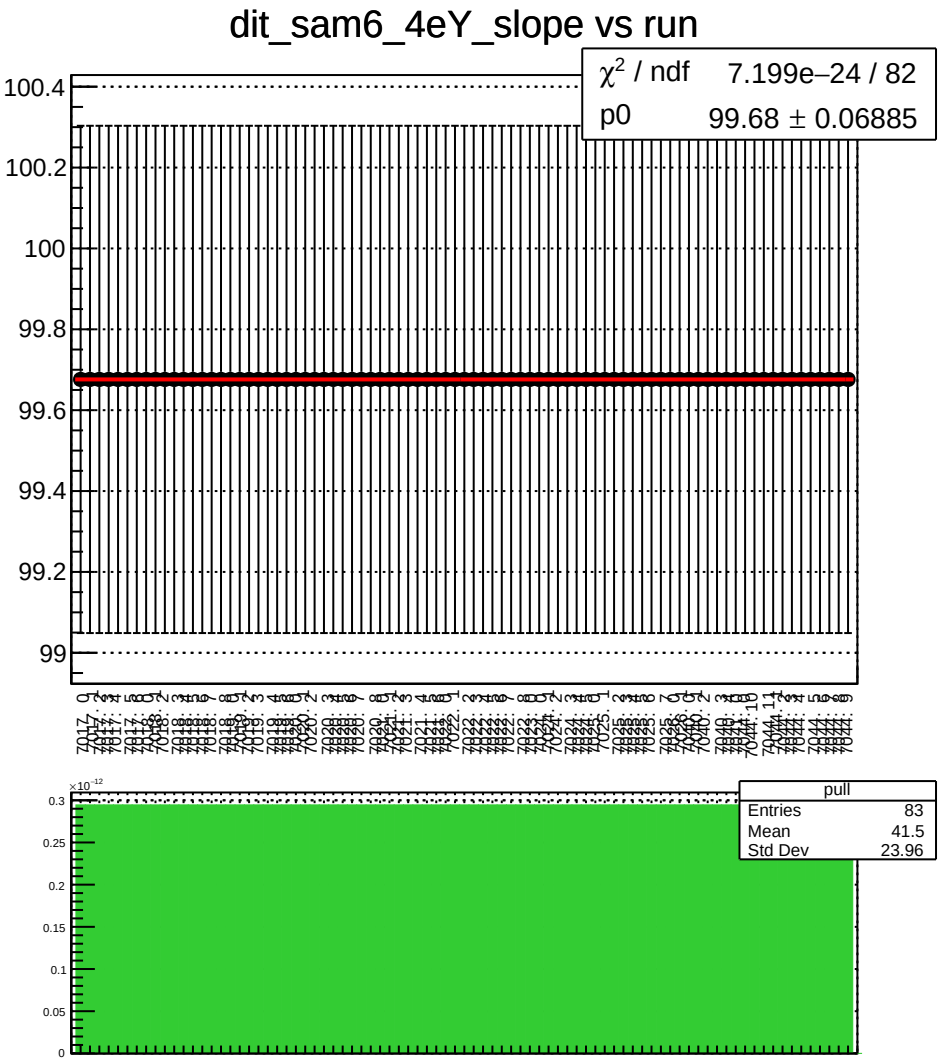


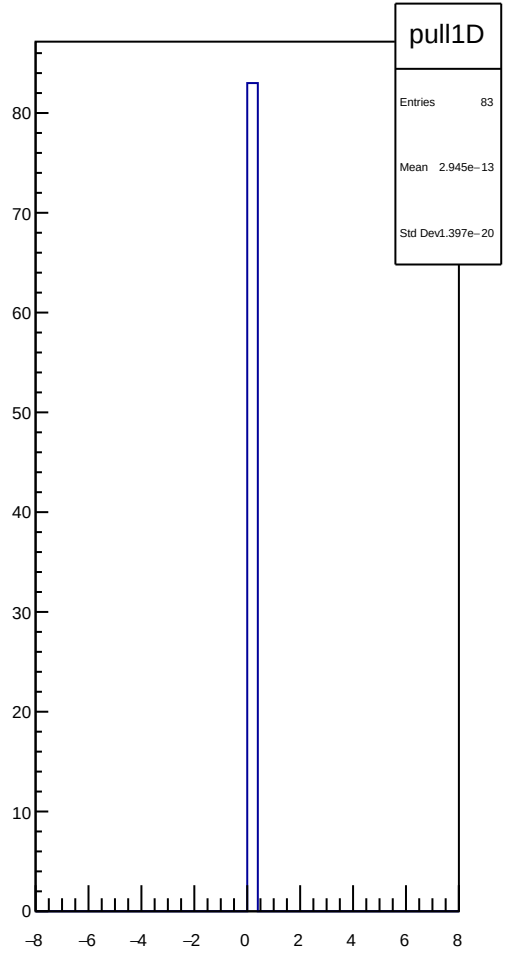

dit_sam6_11X12X_slope vs run
χ^2 / ndf 7.879e−26 / 82
p0 0.4266 ± 0.003757
0.46
0.45
0.44
0.43
0.42
0.41
0.4
0.39
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−15
0
−5
−10
−15
−20
−25
−30

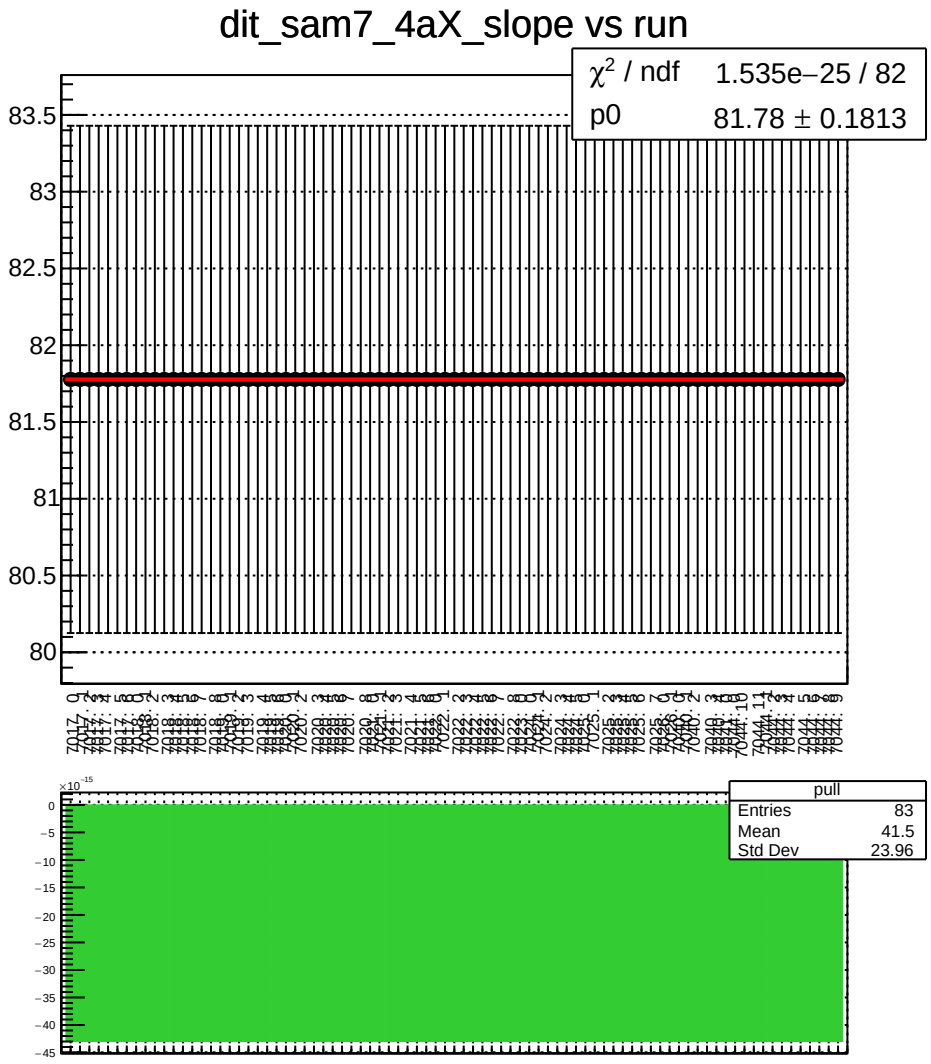

pull1D
Entries 83
Mean −3.081e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

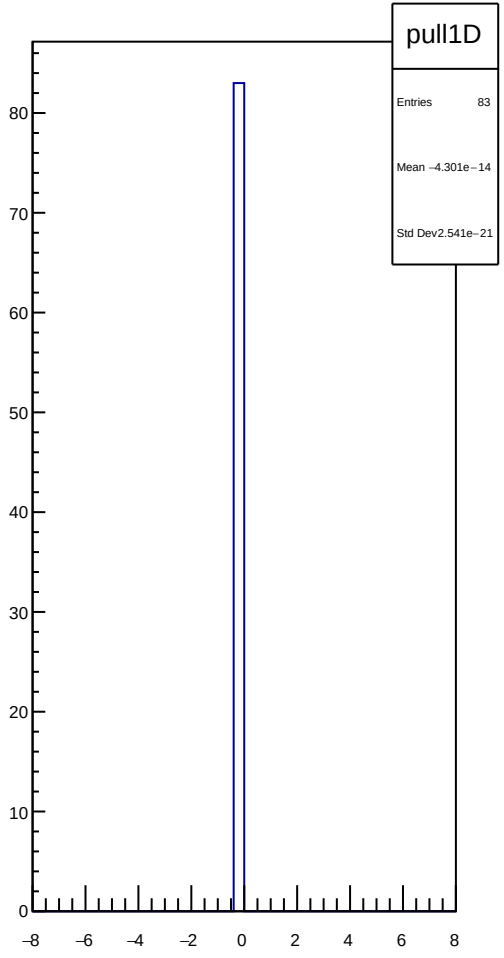

dit_sam6_4aY_slope vs run
χ² / ndf 0 / 82
p0 17.18 ± 0.02437
17.4
17.3
17.2
17.1
17
pull
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

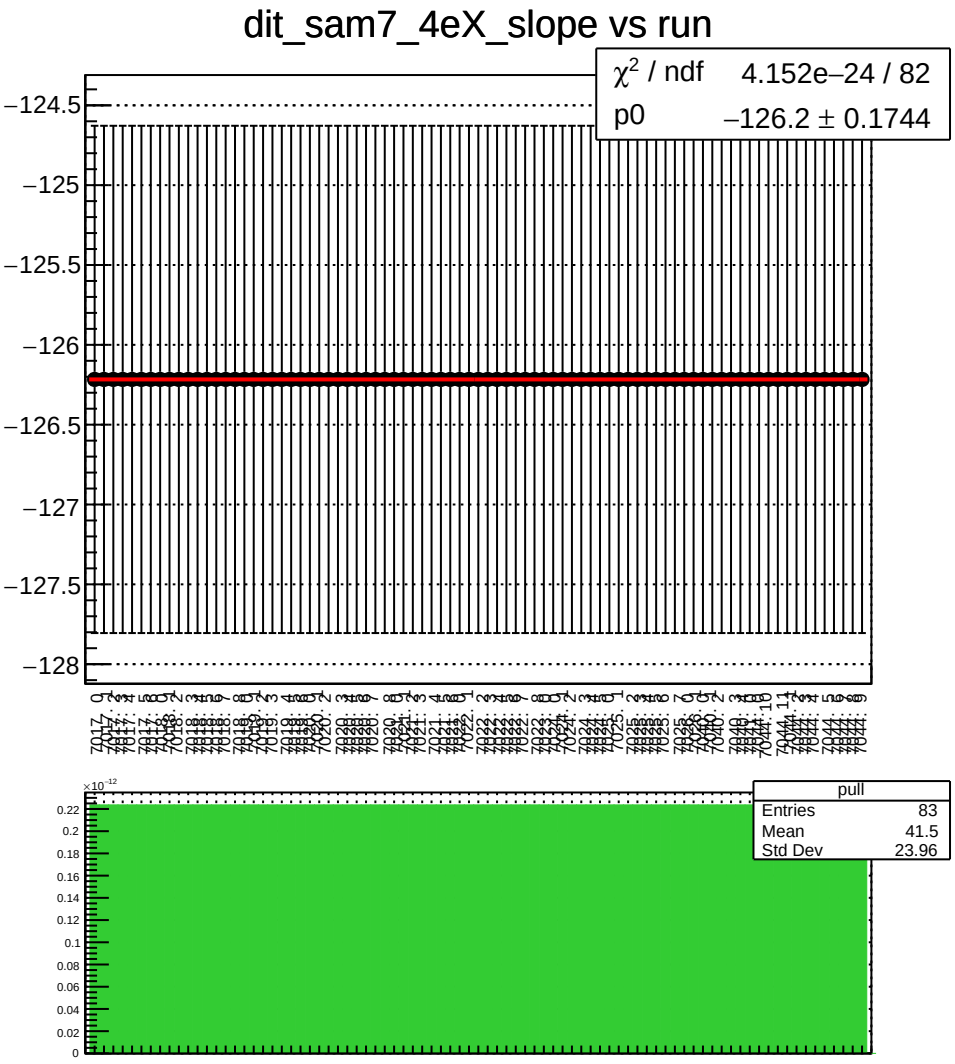

pull1D
Entries 83
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

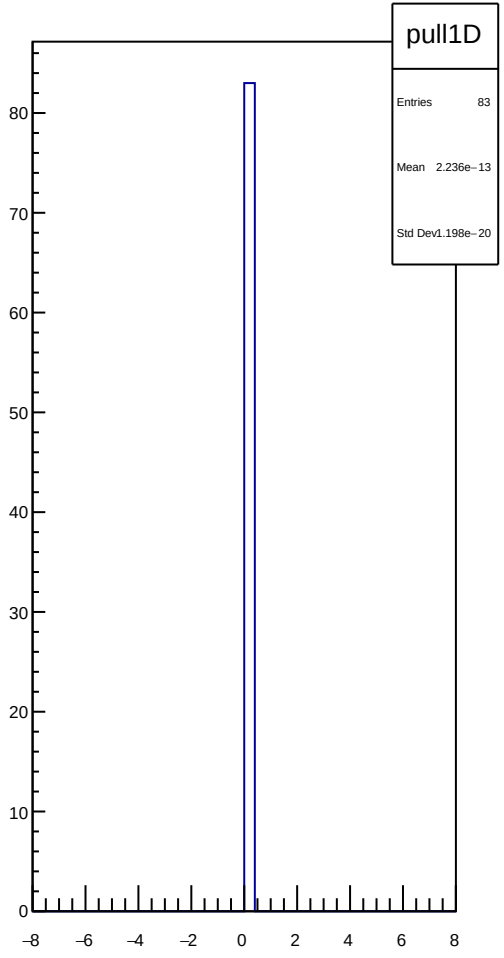

dit_sam6_4eY_slope vs run
χ^2 / ndf 7.199e−24 / 82
p0 99.68 ± 0.06885
100.4
100.2
100
99.8
99.6
99.4
99.2
99
pull
Entries 83
Mean 41.5
Std Dev 23.96
$\times 10^{-12}$
0.3
0.25
0.2
0.15
0.1
0.05
0


pull1D
Entries 83
Mean 2.945e−13
Std Dev 1.397e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

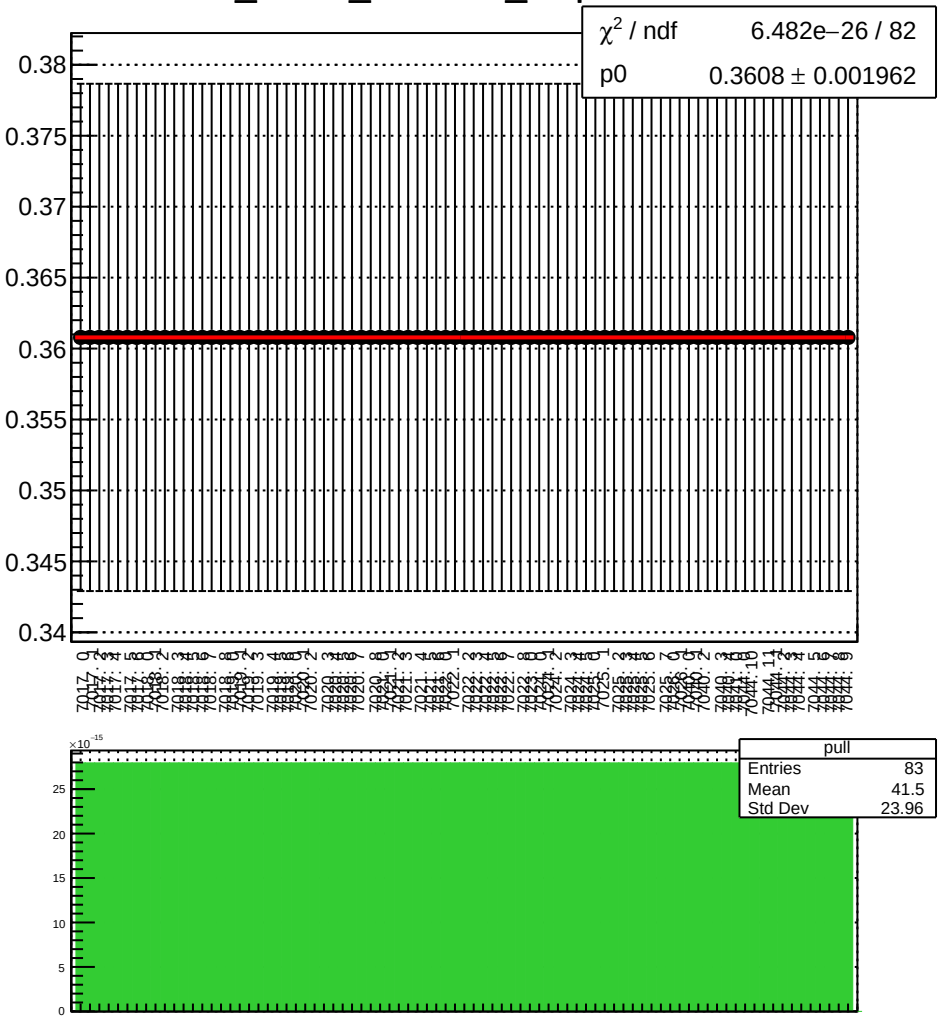

dit_sam7_4aX_slope vs run
χ² / ndf 1.535e−25 / 82
p0 81.78 ± 0.1813
83.5
83
82.5
82
81.5
81
80.5
80
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

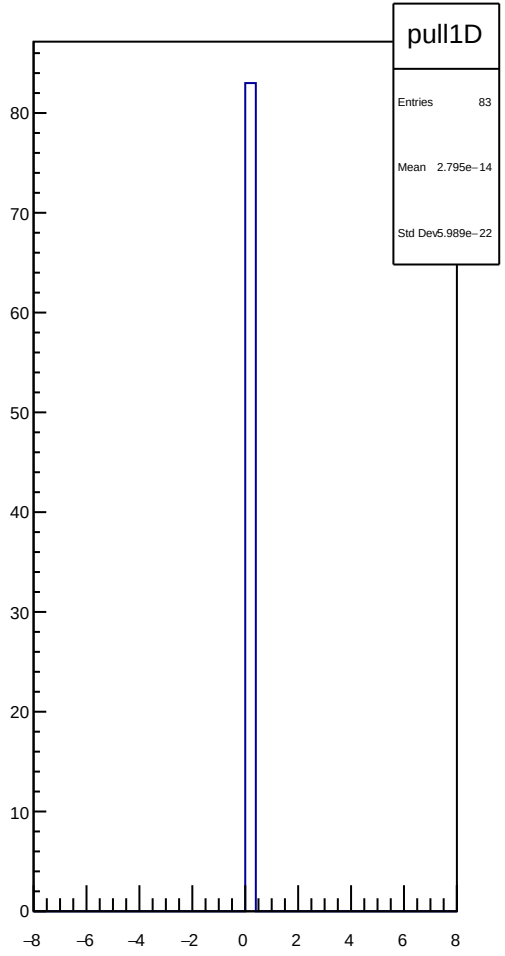

pull1D
Entries 83
Mean −4.301e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

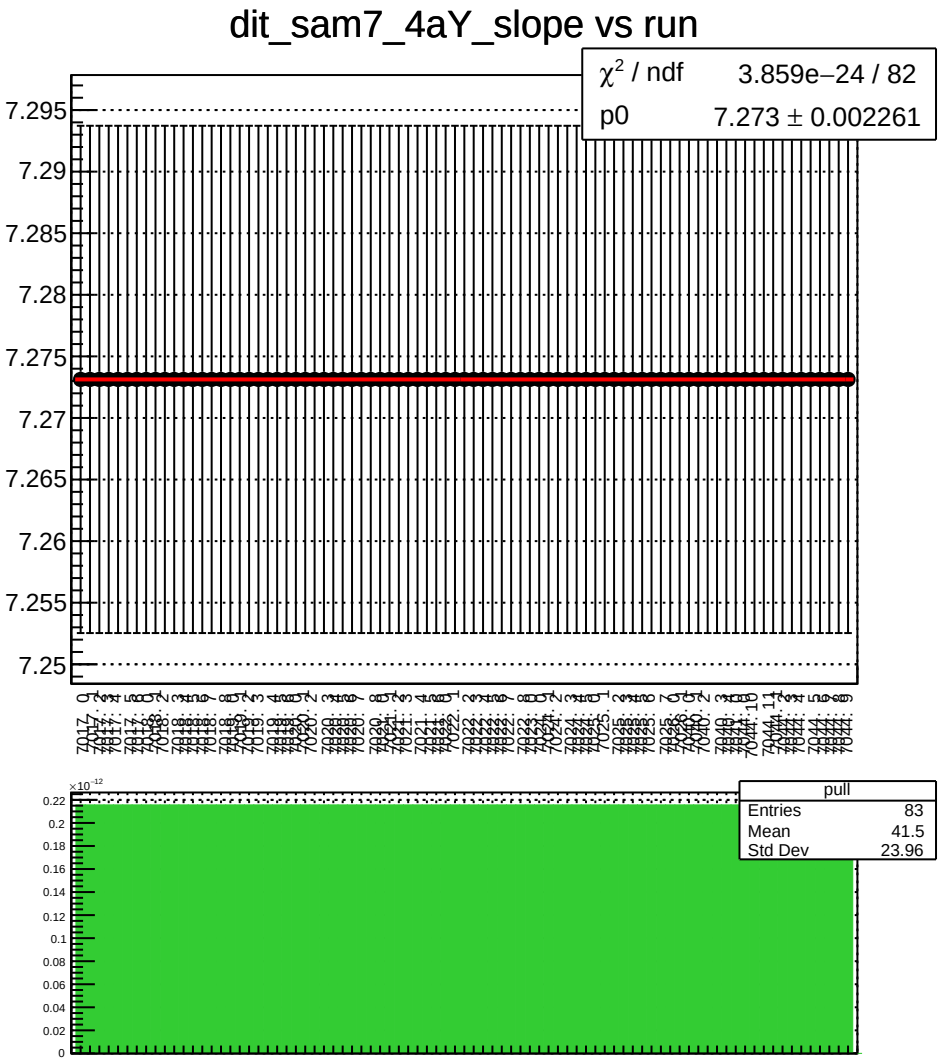

dit_sam7_4eX_slope vs run
χ^2 / ndf 4.152e−24 / 82
p0 −126.2 ± 0.1744
−124.5
−125
−125.5
−126
−126.5
−127
−127.5
−128
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

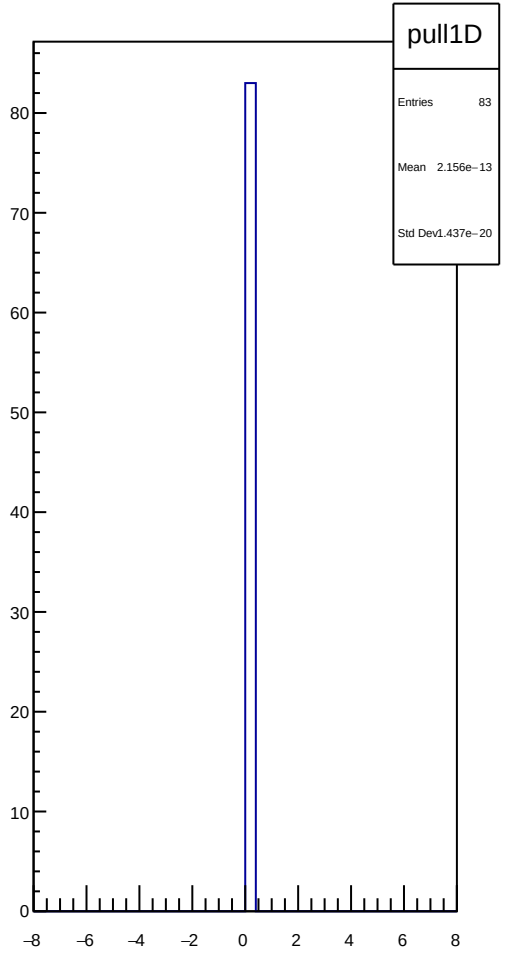

pull1D
Entries 83
Mean 2.236e−13
Std Dev 1.198e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

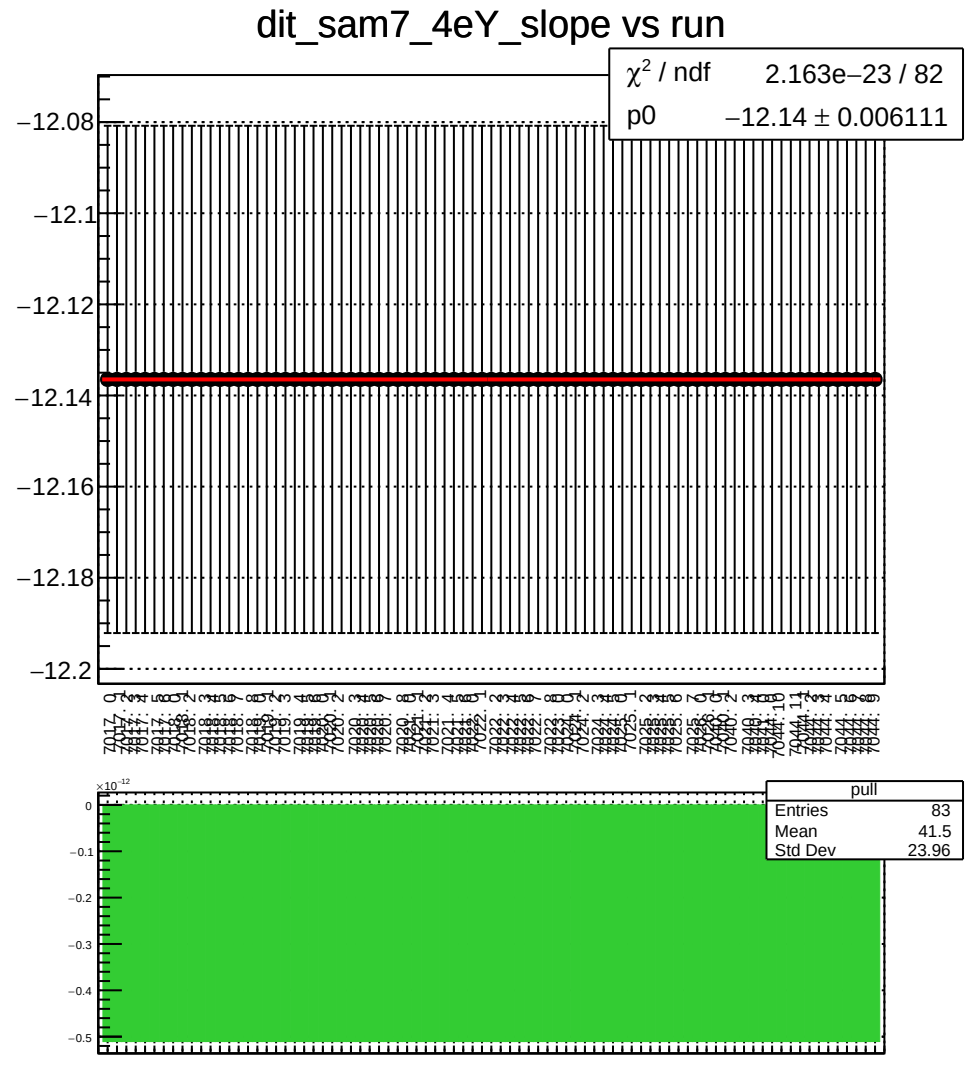
dit_sam7_11X12X_slope vs run

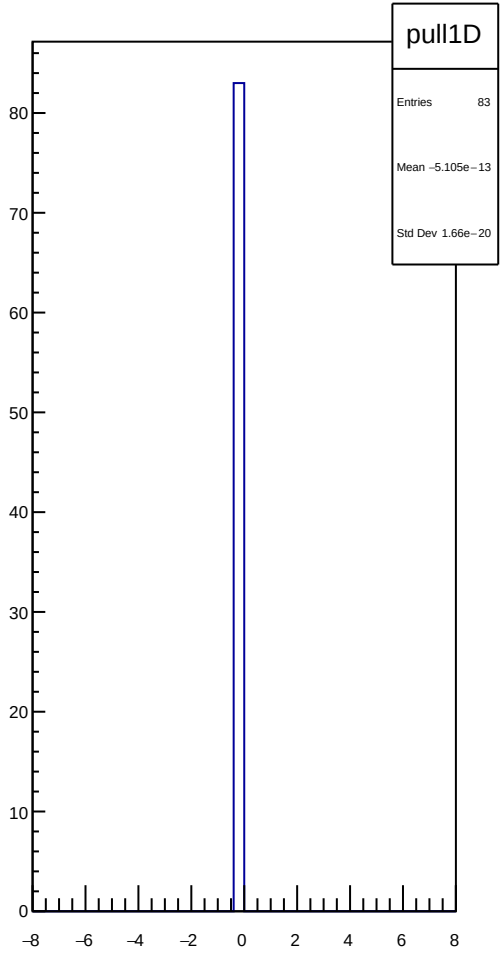


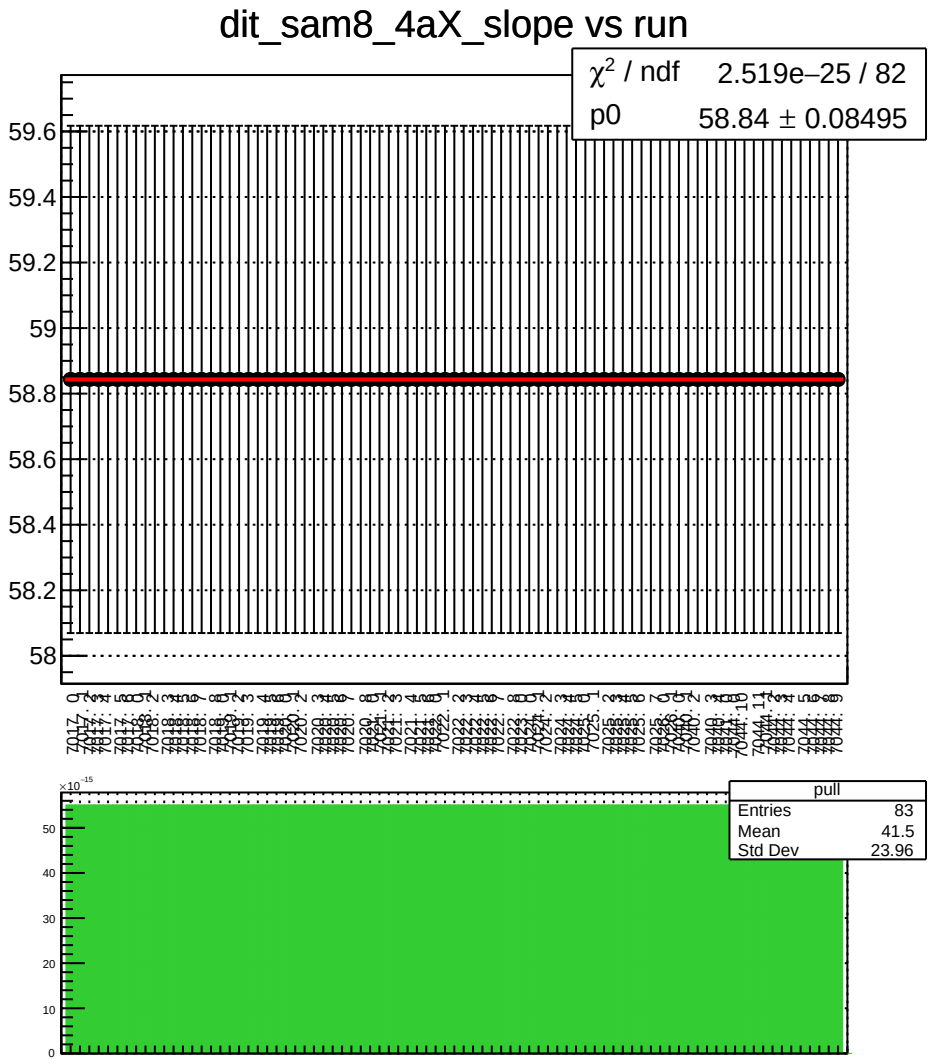


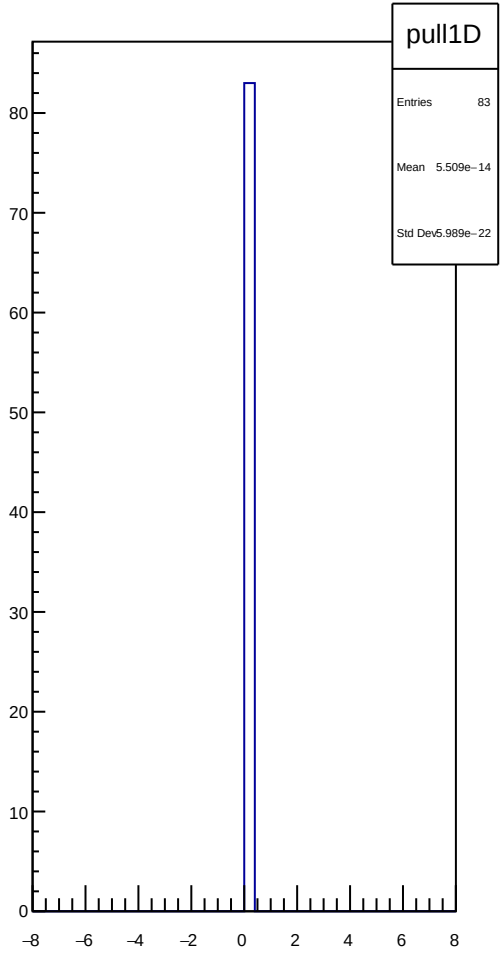

dit_sam7_4aY_slope vs run
χ² / ndf 3.859e−24 / 82
p0 7.273 ± 0.002261
7.295
7.29
7.285
7.28
7.275
7.27
7.265
7.26
7.255
7.25
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

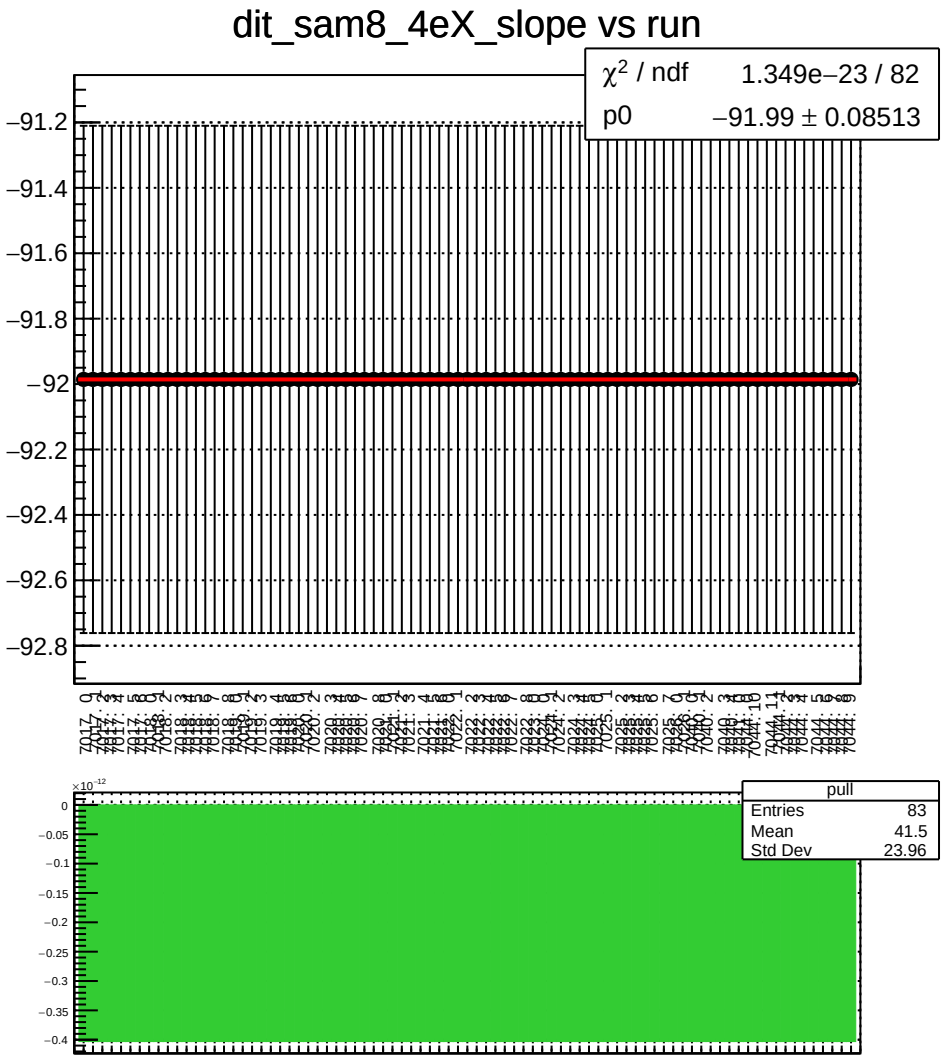

pull1D
Entries 83
Mean 2.156e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

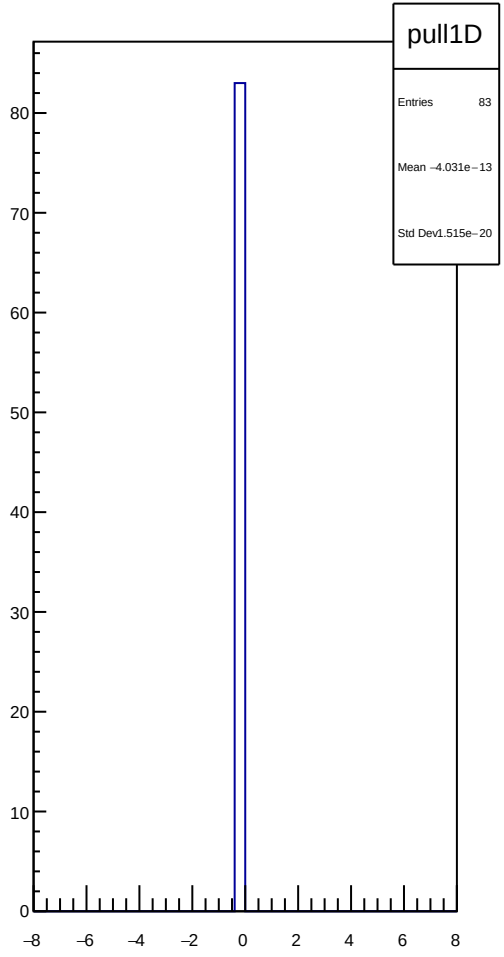

dit_sam7_4eY_slope vs run
χ² / ndf 2.163e−23 / 82
p0 −12.14 ± 0.006111
−12.08
−12.1
−12.12
−12.14
−12.16
−12.18
−12.2
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5


pull1D
Entries 83
Mean −5.105e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

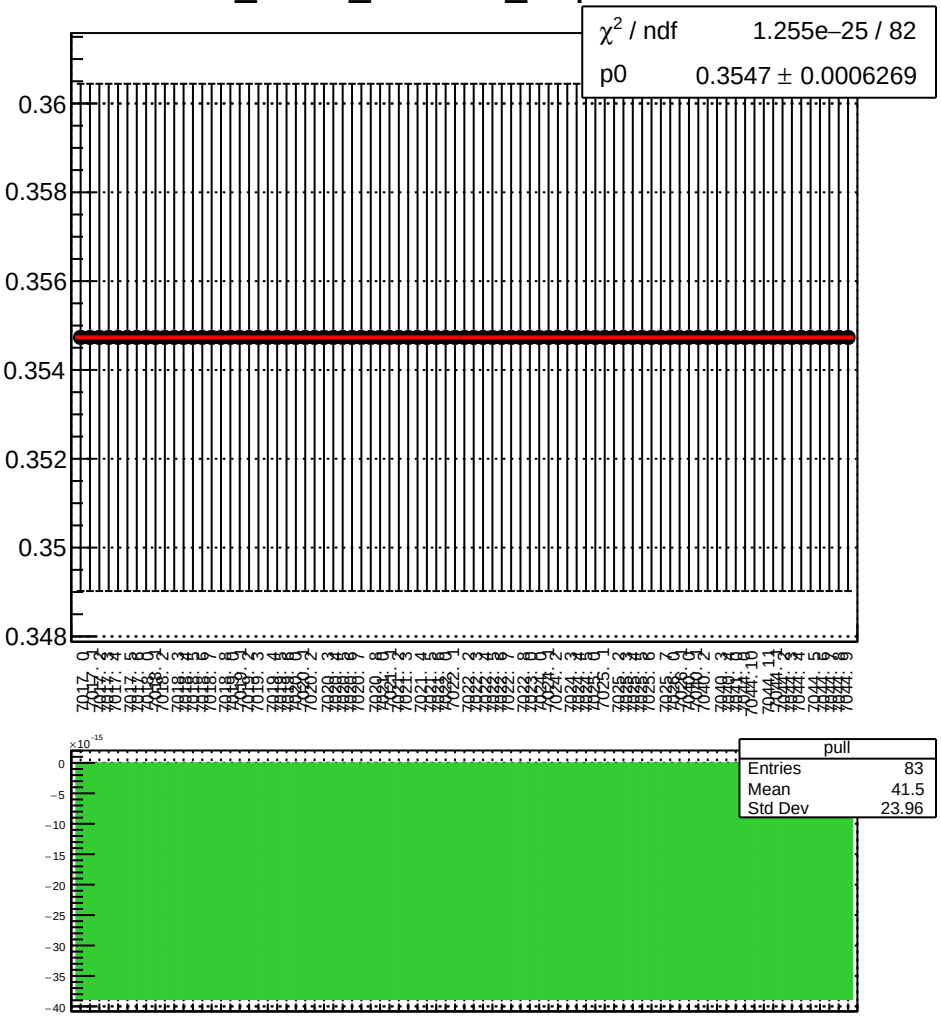

dit_sam8_4aX_slope vs run
χ² / ndf 2.519e−25 / 82
p0 58.84 ± 0.08495
59.6
59.4
59.2
59
58.8
58.6
58.4
58.2
58
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹⁵
50
40
30
20
10
0

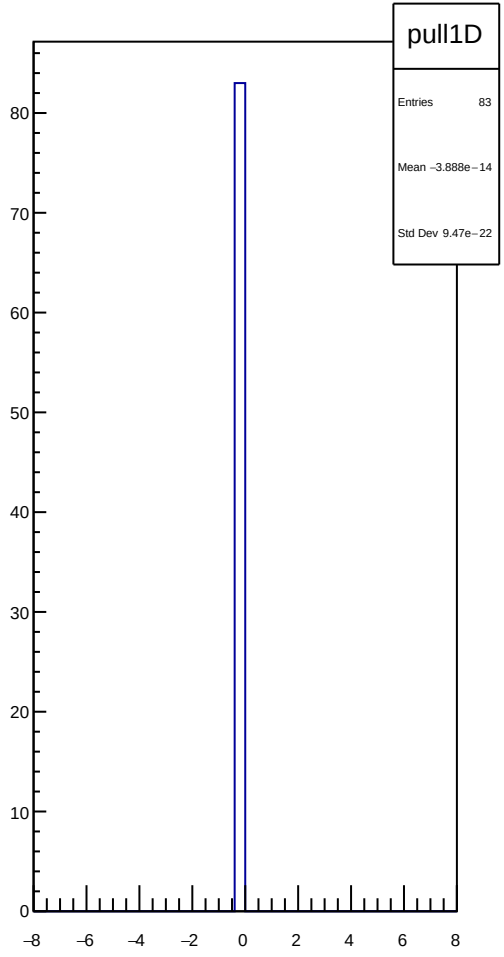

pull1D
Entries 83
Mean 5.509e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

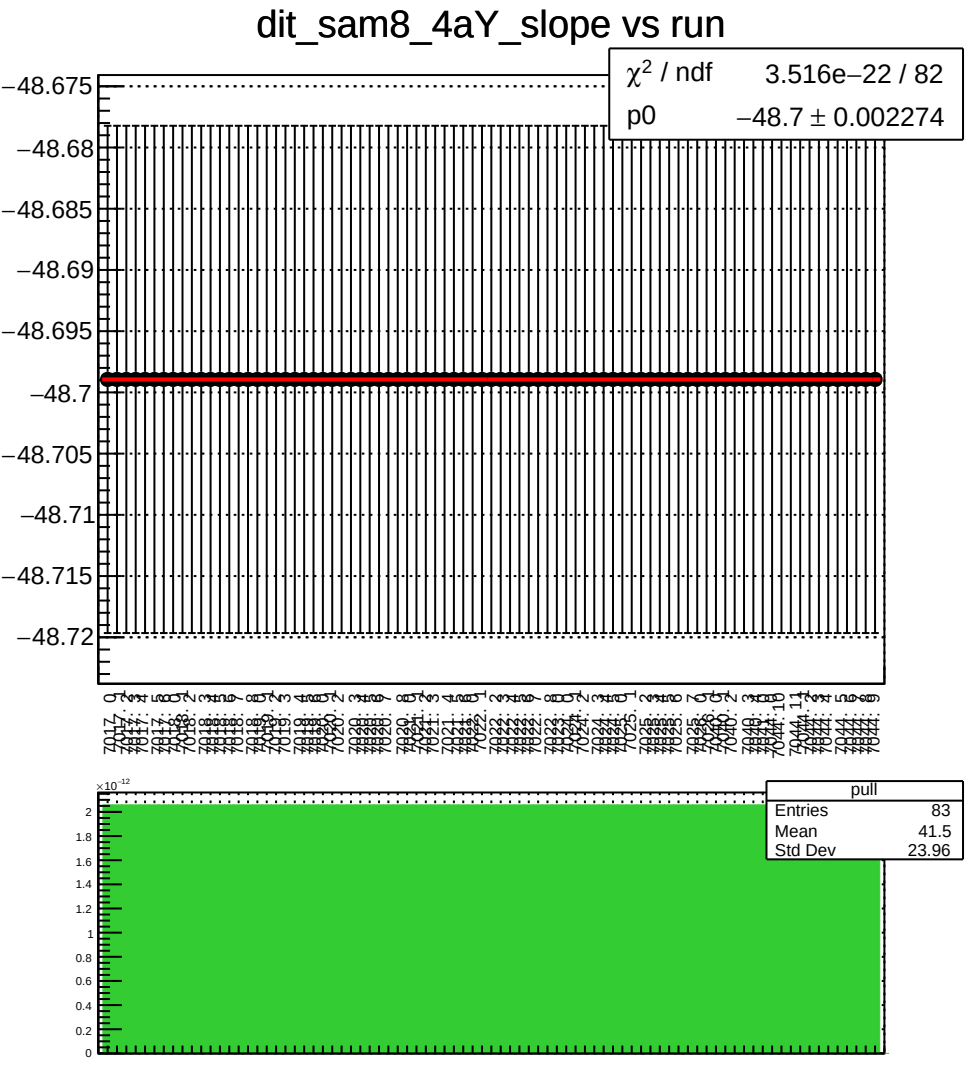

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.349e−23 / 82
p0 −91.99 ± 0.08513
−91.2
−91.4
−91.6
−91.8
−92
−92.2
−92.4
−92.6
−92.8
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

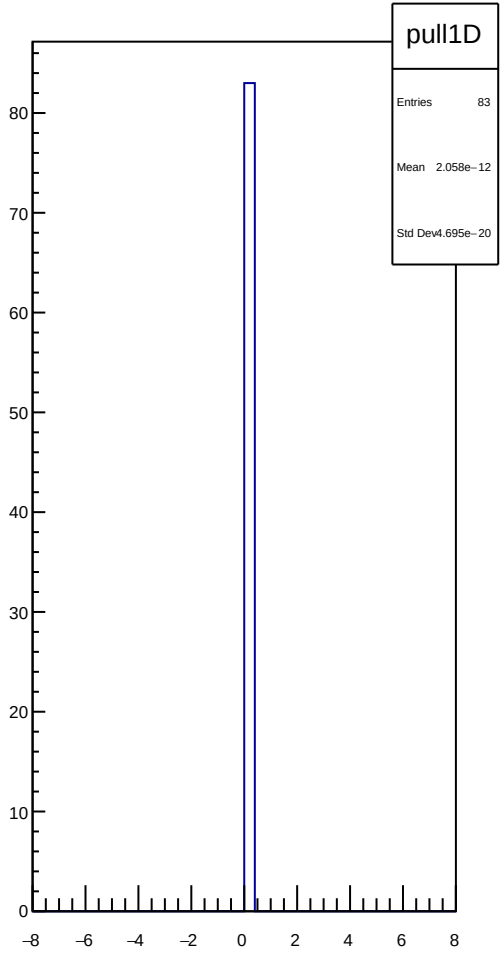

pull1D
Entries 83
Mean −4.031e−13
Std Dev 1.515e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

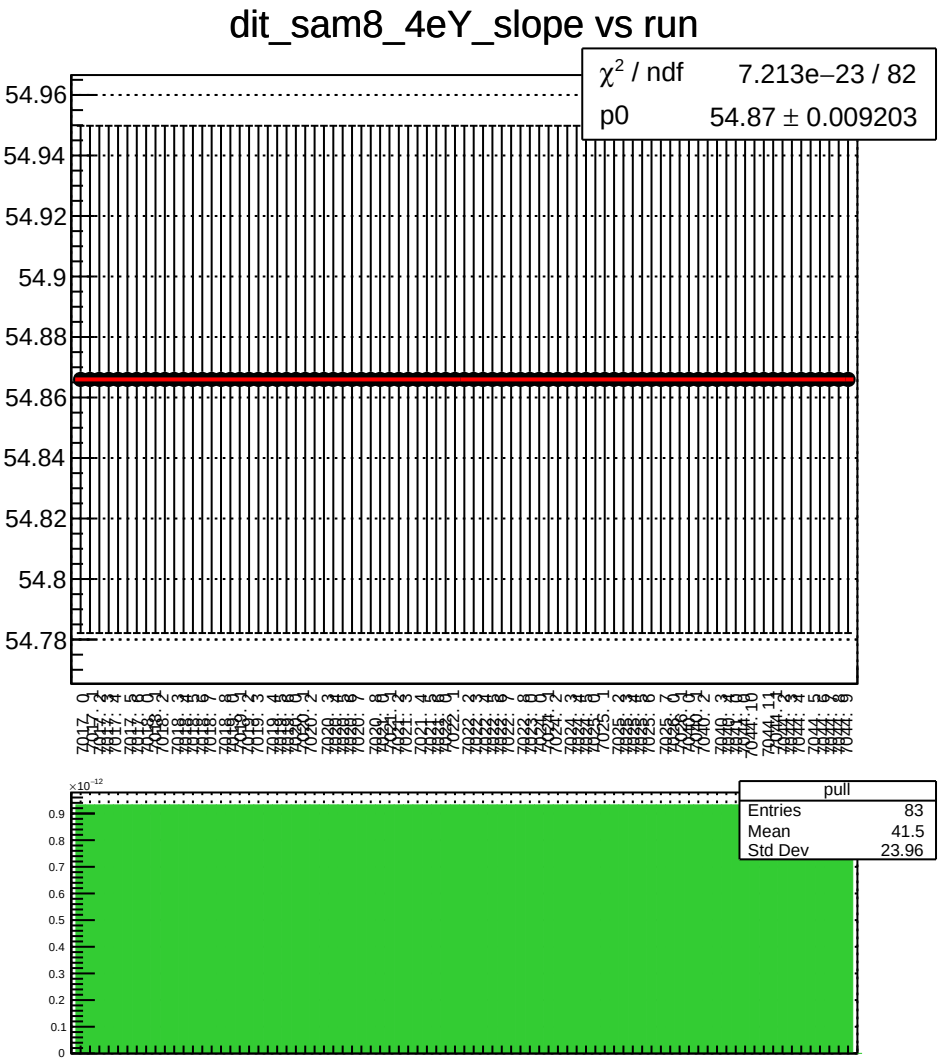
dit_sam8_11X12X_slope vs run

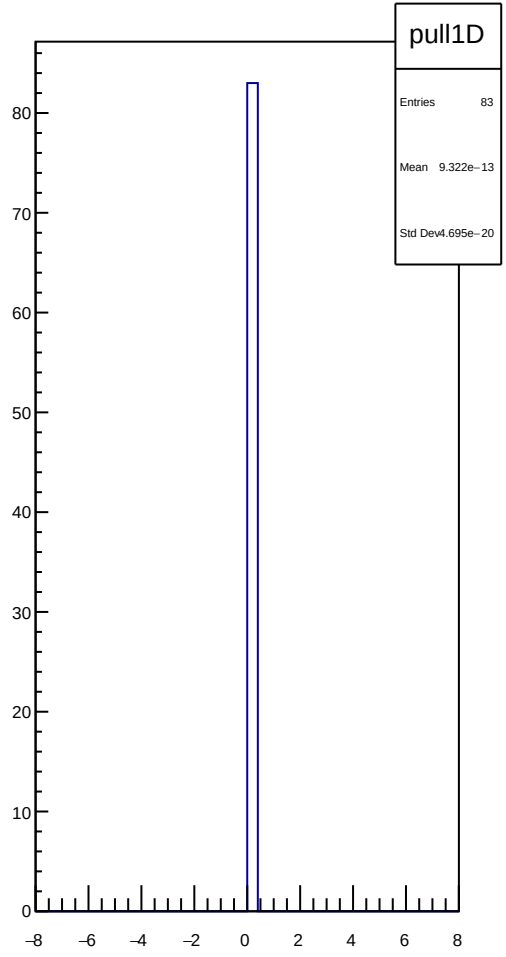




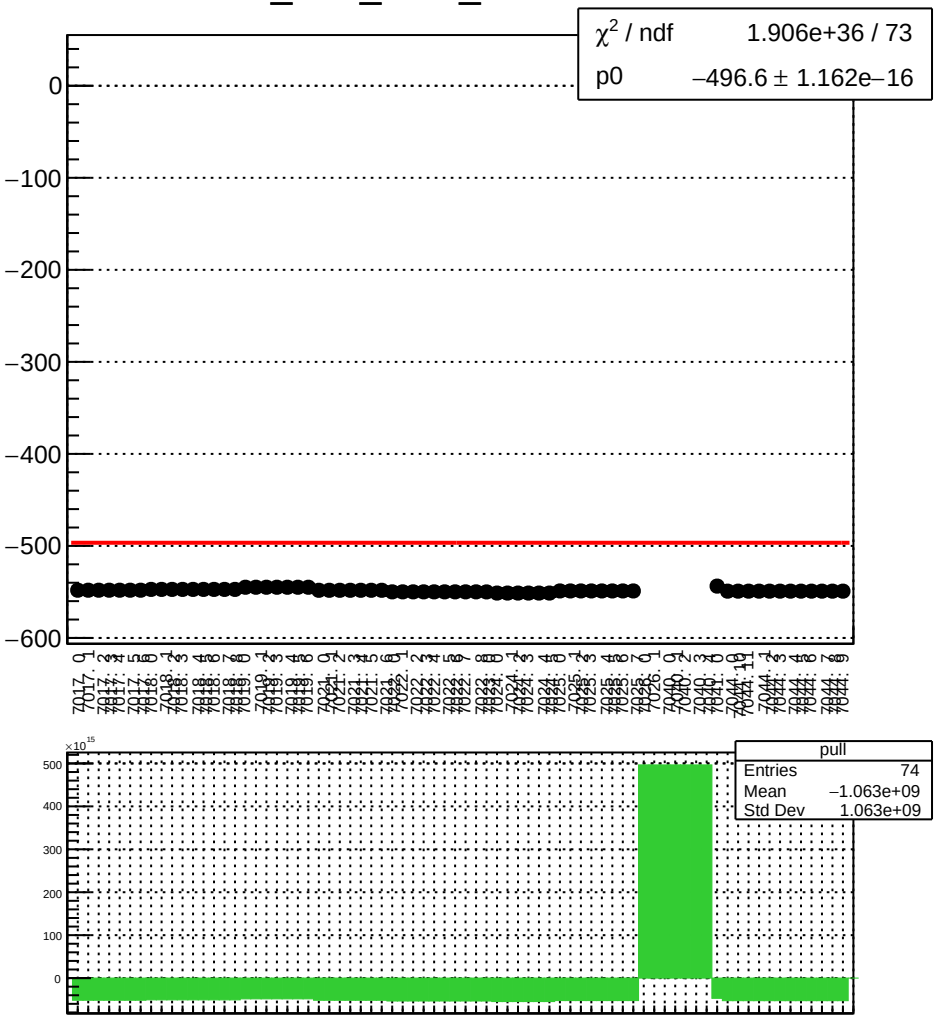

dit_sam8_4aY_slope vs run
χ² / ndf 3.516e−22 / 82
p0 −48.7 ± 0.002274
−48.675
−48.68
−48.685
−48.69
−48.695
−48.7
−48.705
−48.71
−48.715
−48.72
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

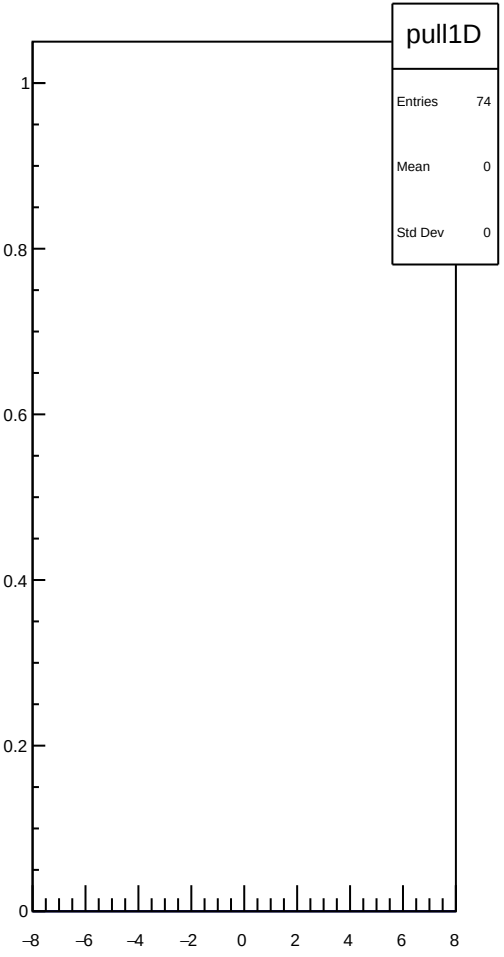

pull1D
Entries 83
Mean 2.058e−12
Std Dev 4.695e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

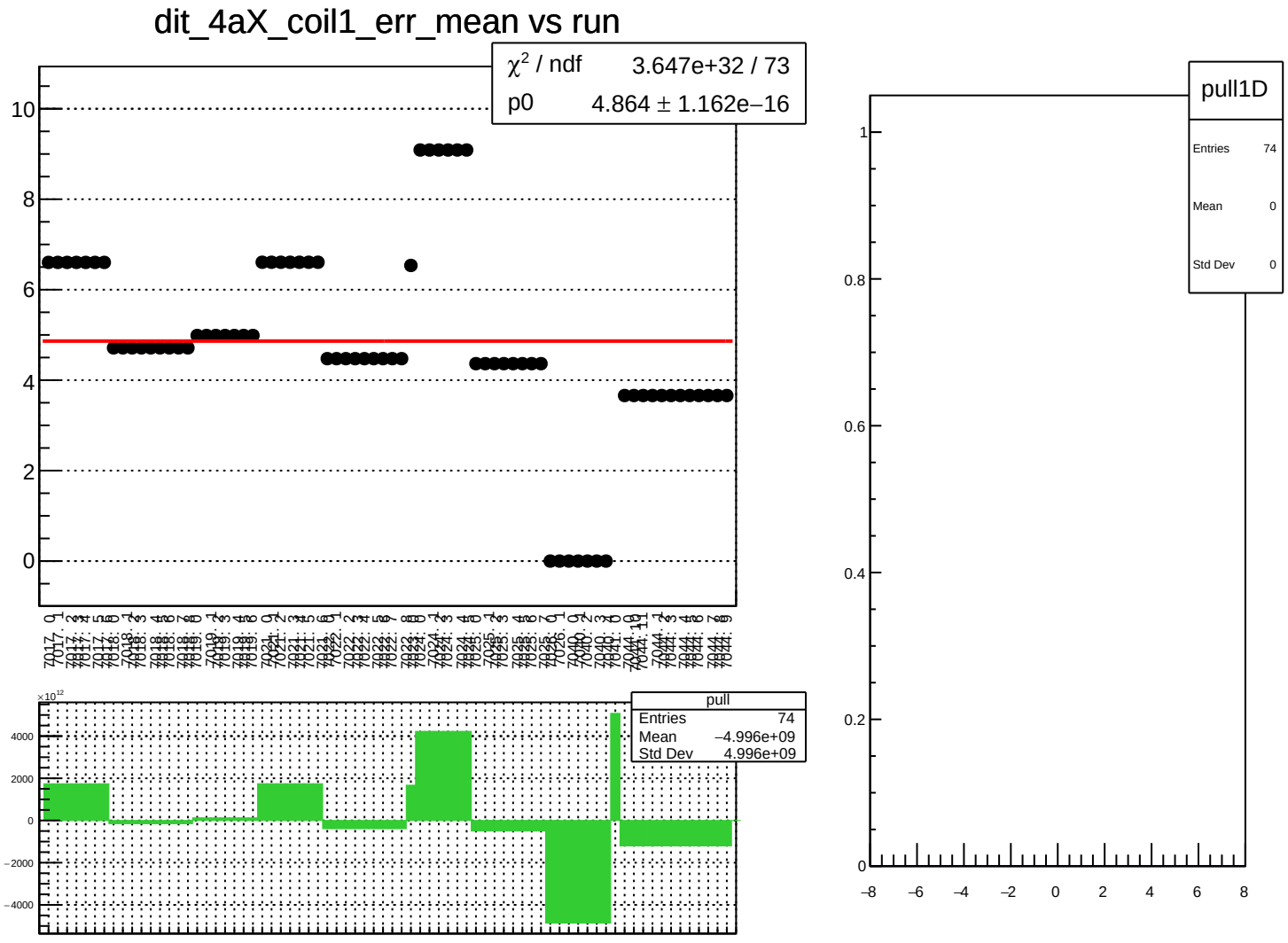

dit_sam8_4eY_slope vs run
χ² / ndf 7.213e−23 / 82
p0 54.87 ± 0.009203
54.96
54.94
54.92
54.9
54.88
54.86
54.84
54.82
54.8
54.78
pull
Entries 83
Mean 41.5
Std Dev 23.96
×10⁻¹²
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0


pull1D
Entries 83
Mean 9.322e−13
Std Dev 4.695e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

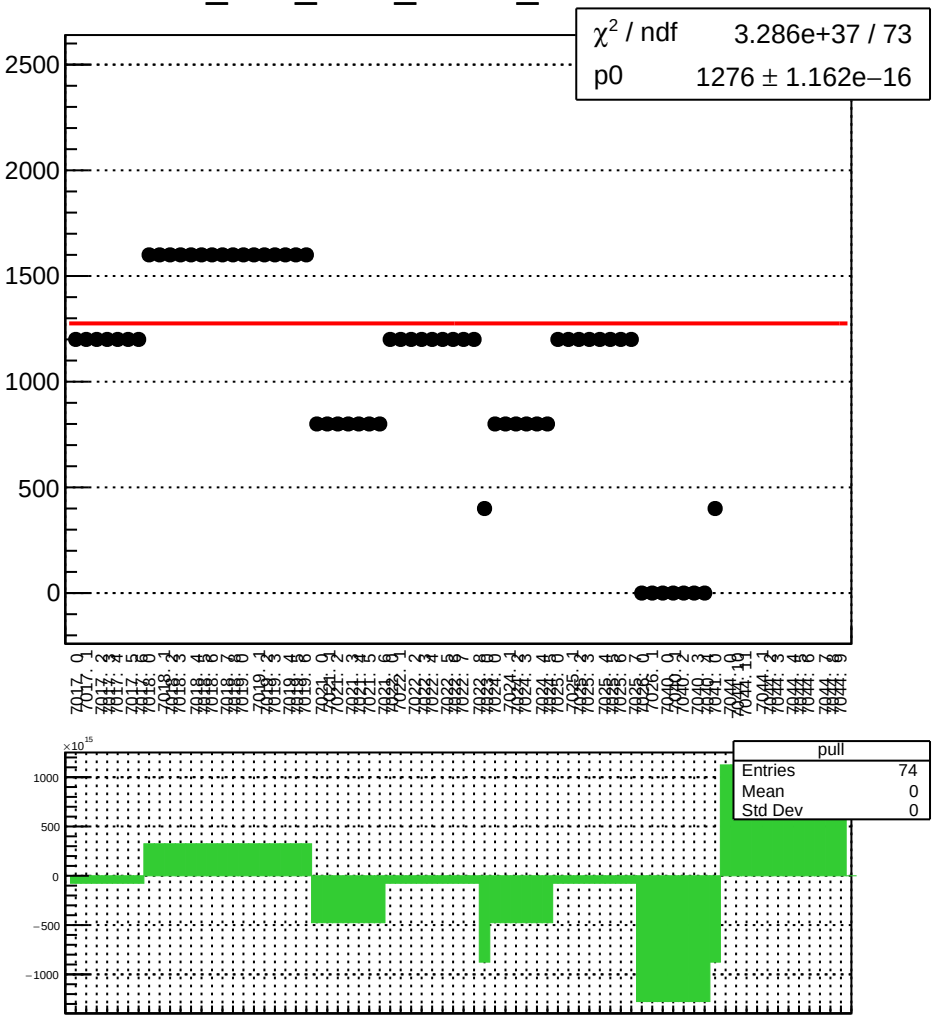
dit_4aX_coil1_mean vs run

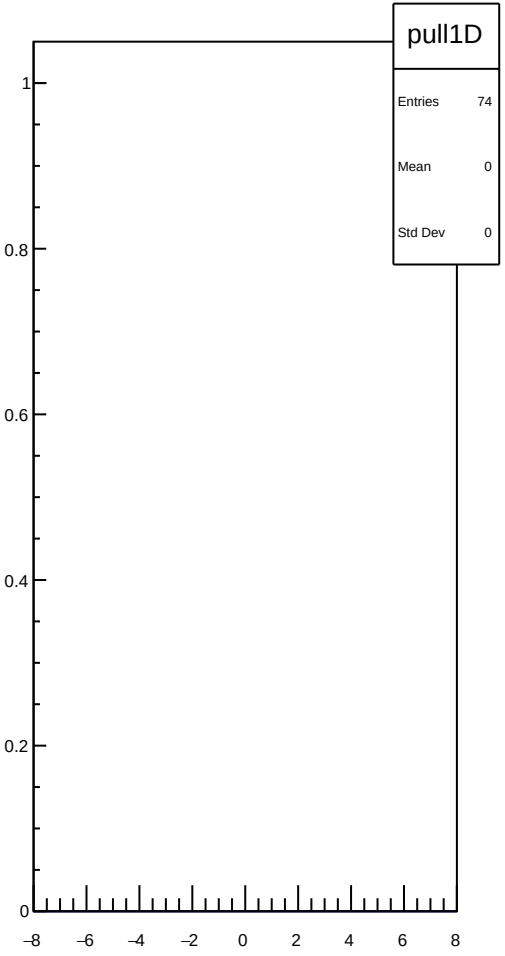




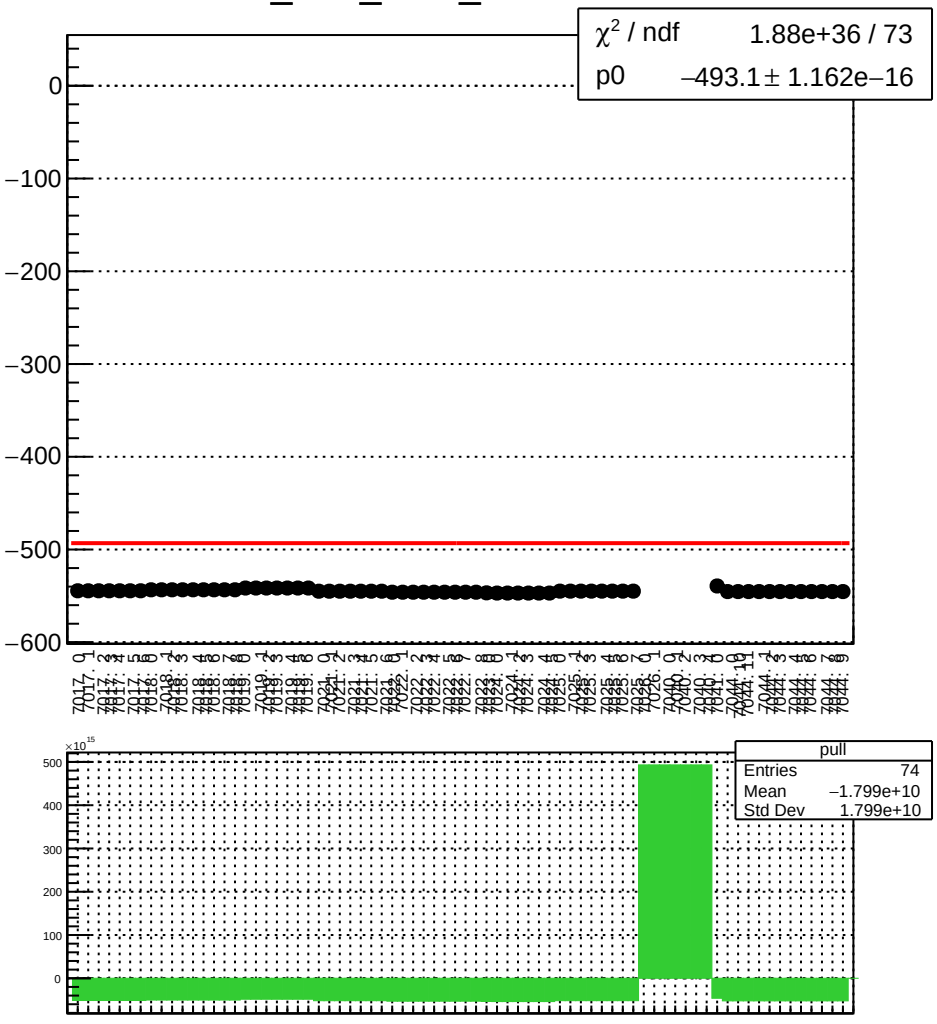

dit_4aX_coil1_err_mean vs run
χ² / ndf 3.647e+32 / 73
p0 4.864 ± 1.162e−16
pull
Entries 74
Mean −4.996e+09
Std Dev 4.996e+09
pull1D
Entries 74
Mean 0
Std Dev 0

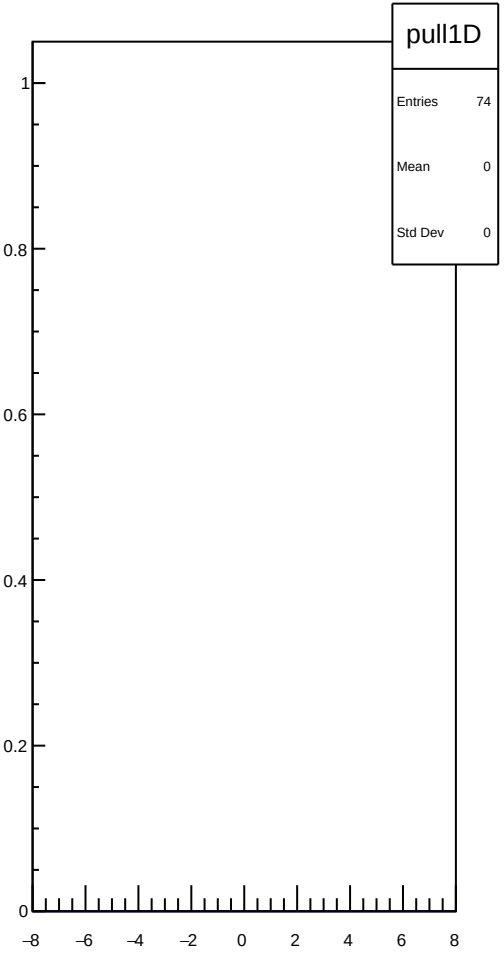
dit_4aX_coil1_Ndata_mean vs run

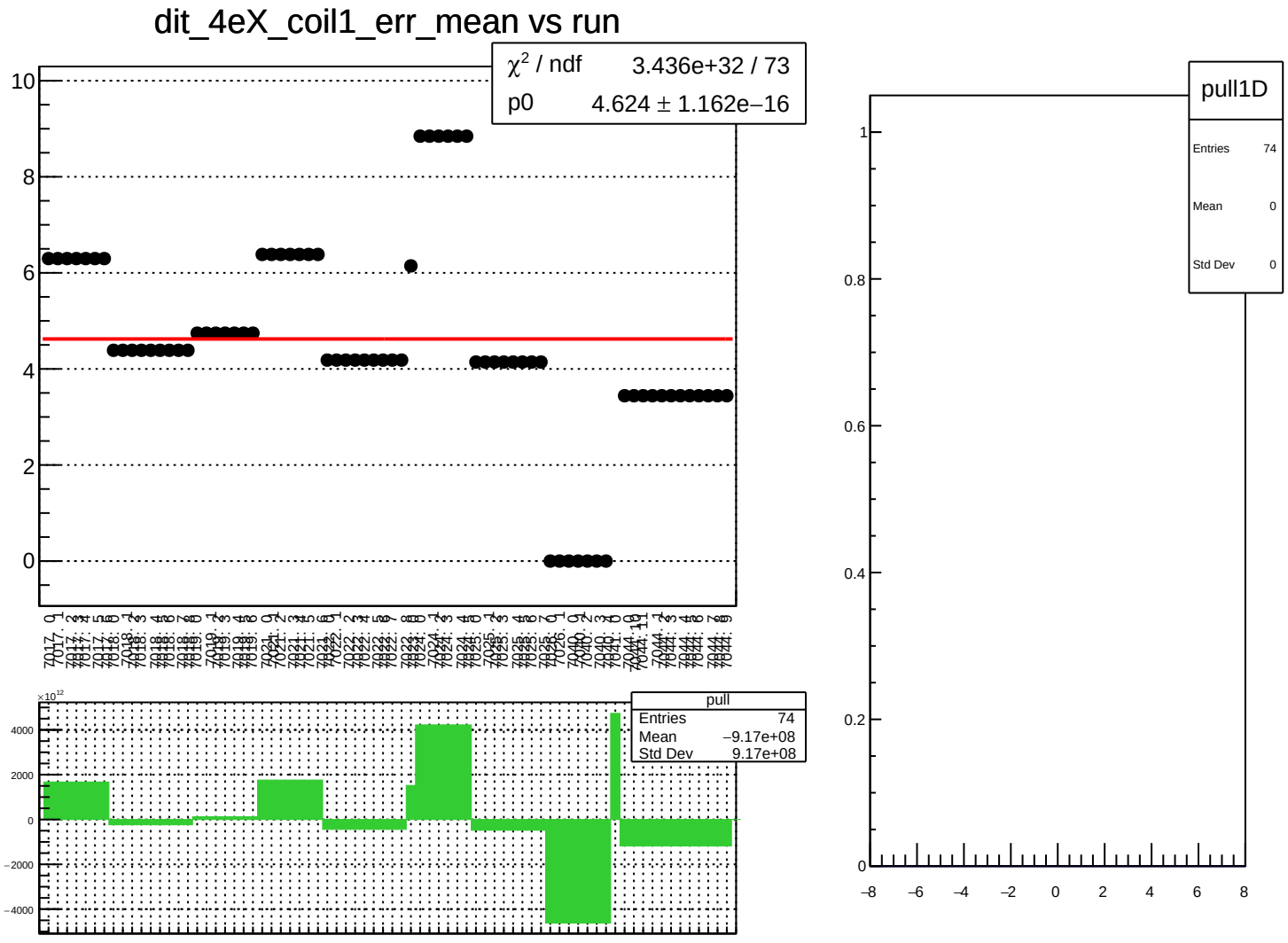




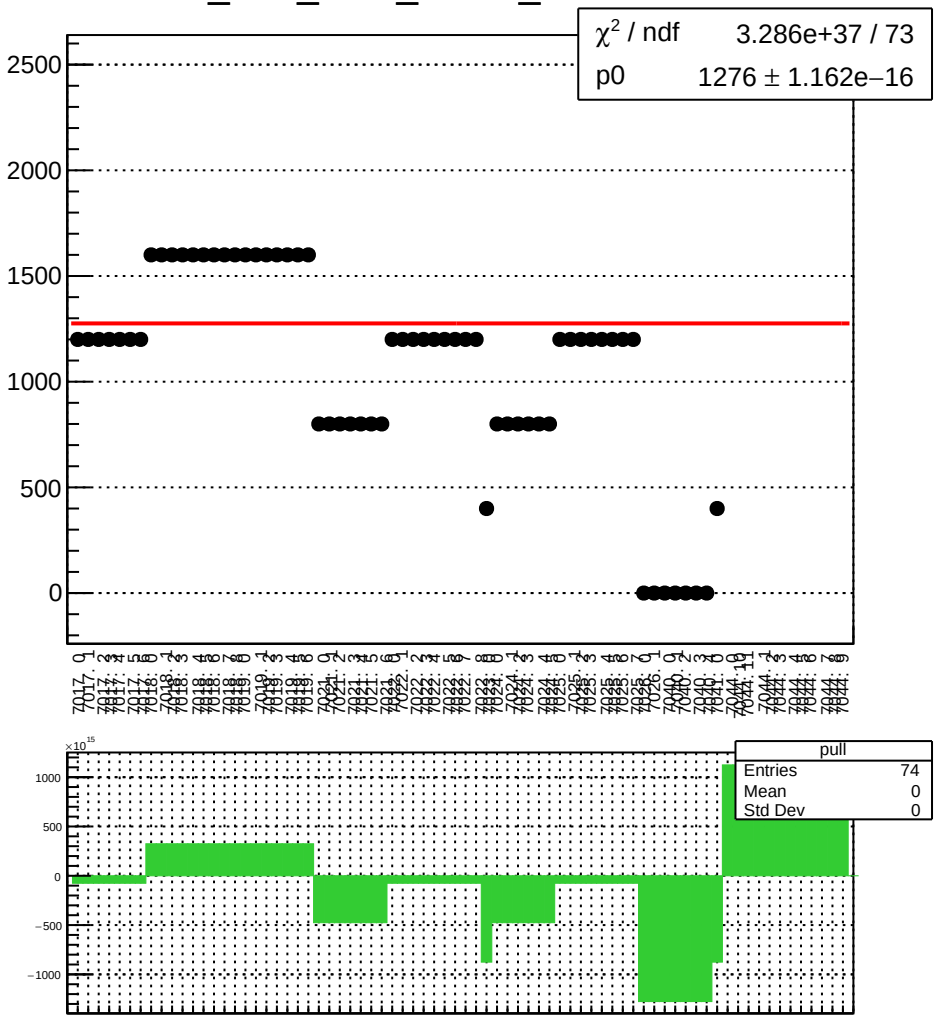
dit_4eX_coil1_mean vs run

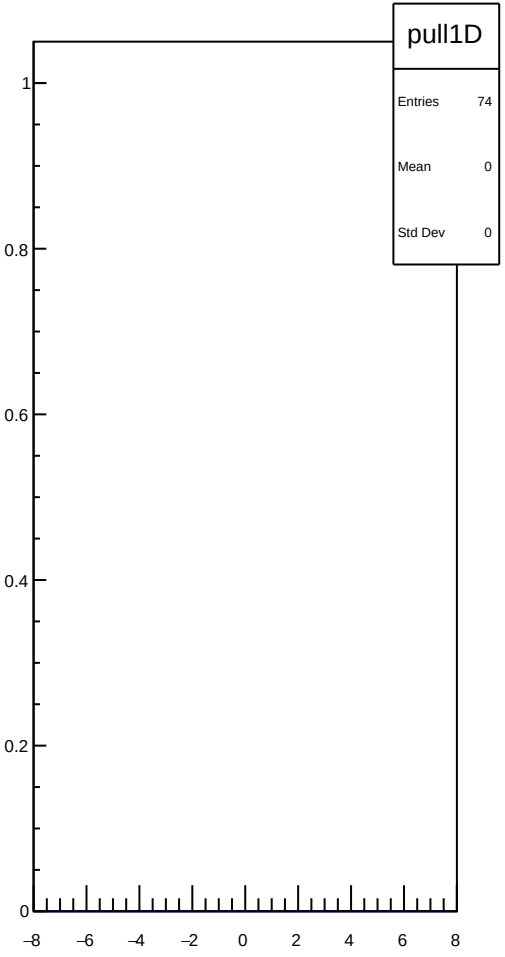




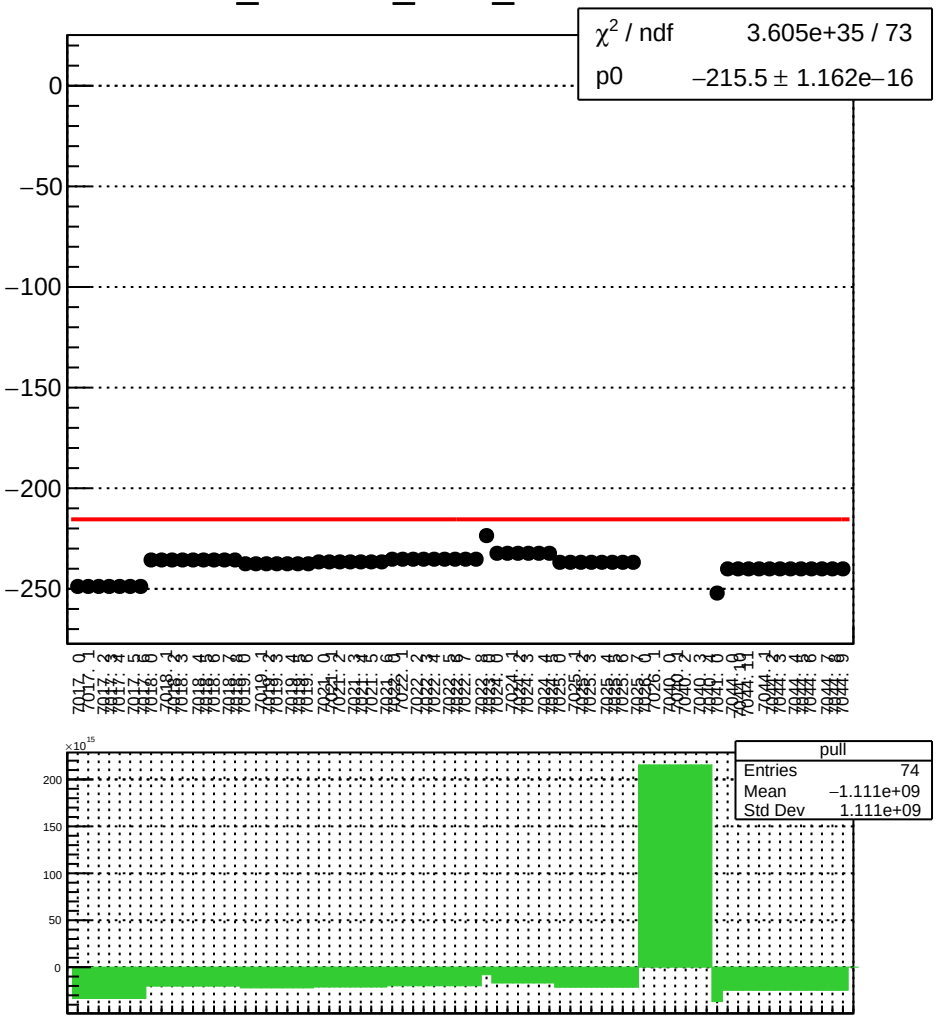

dit_4eX_coil1_err_mean vs run
χ² / ndf 3.436e+32 / 73
p0 4.624 ± 1.162e−16
pull
Entries 74
Mean −9.17e+08
Std Dev 9.17e+08
pull1D
Entries 74
Mean 0
Std Dev 0

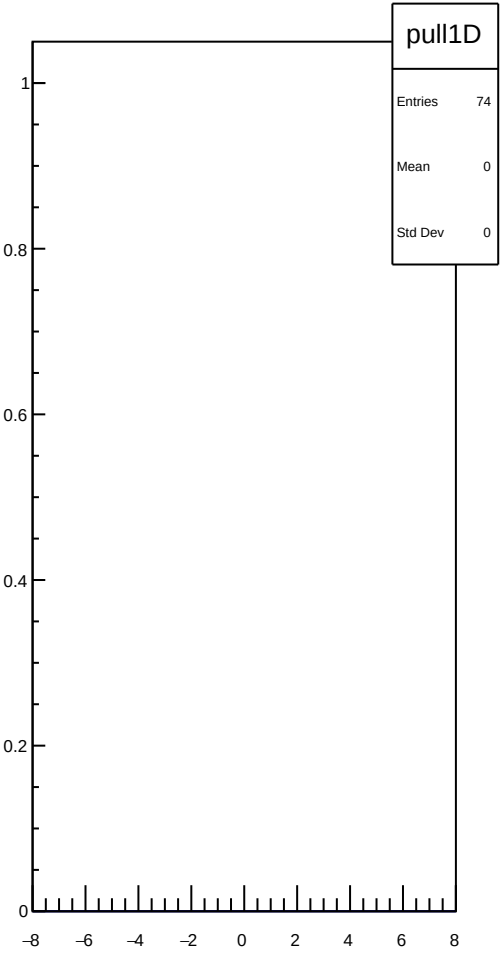
dit_4eX_coil1_Ndata_mean vs run



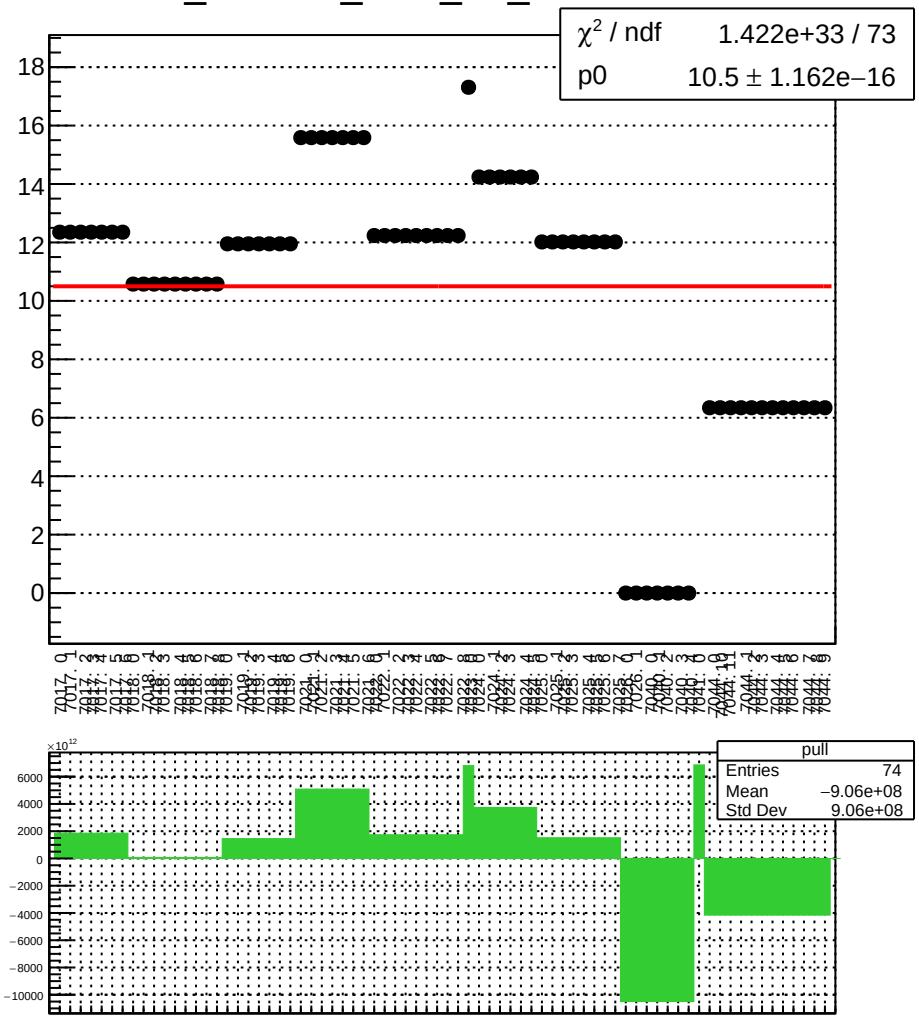


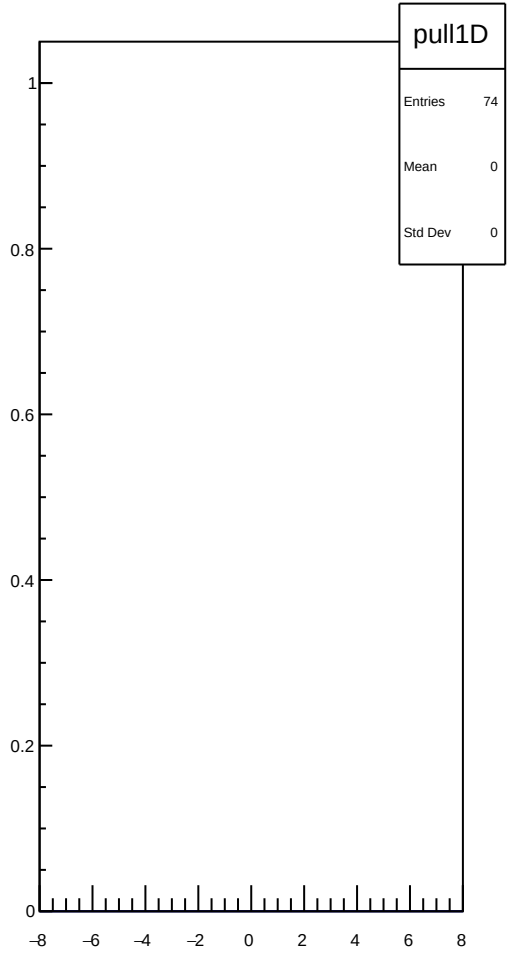
dit_11X12X_coil1_mean vs run



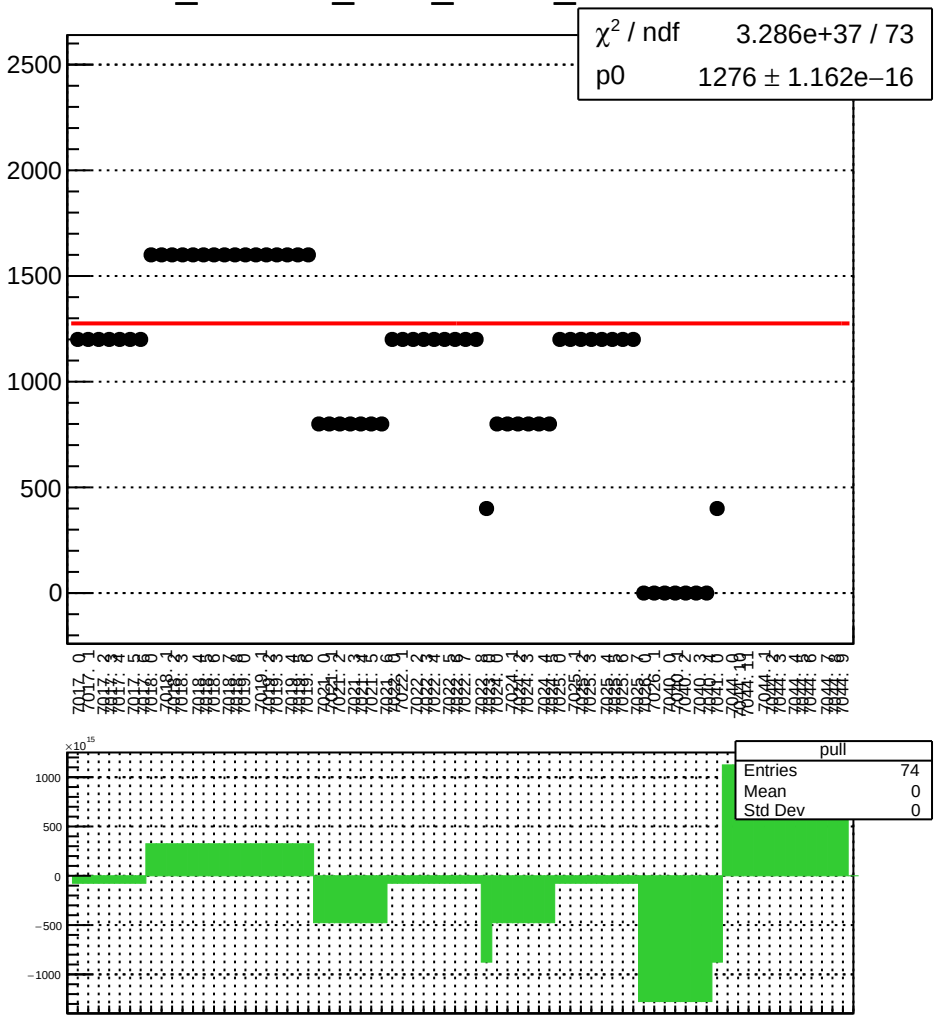


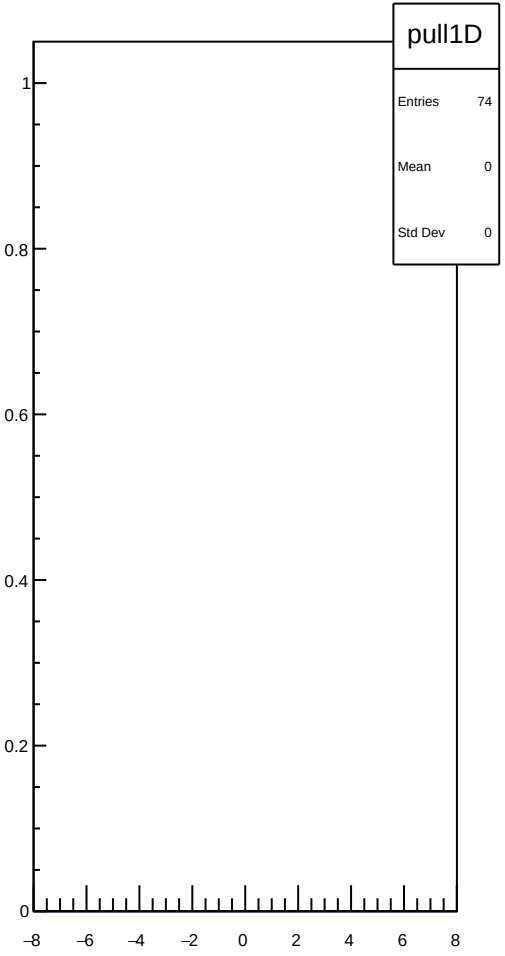
dit_11X12X_coil1_err_mean vs run

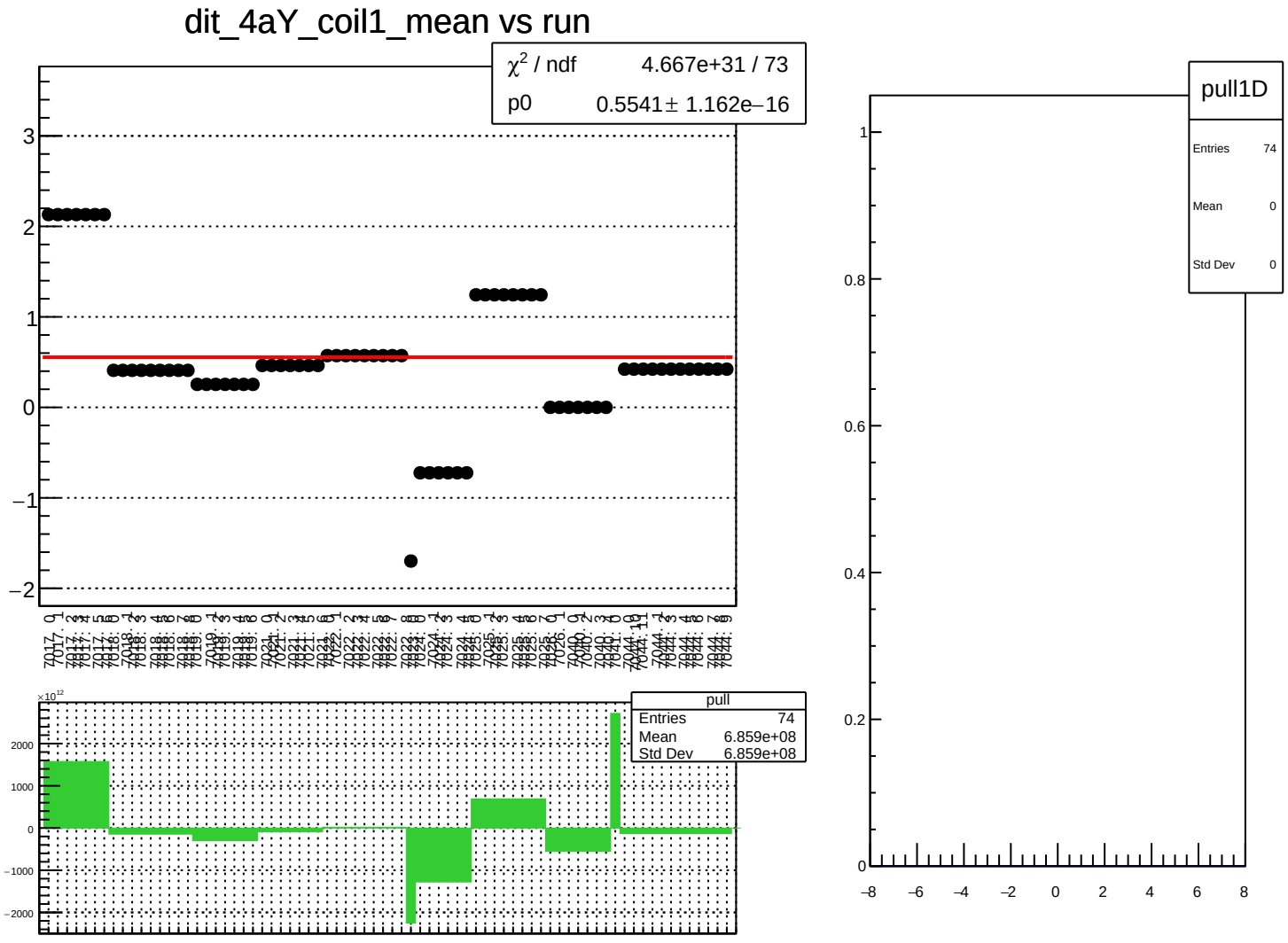


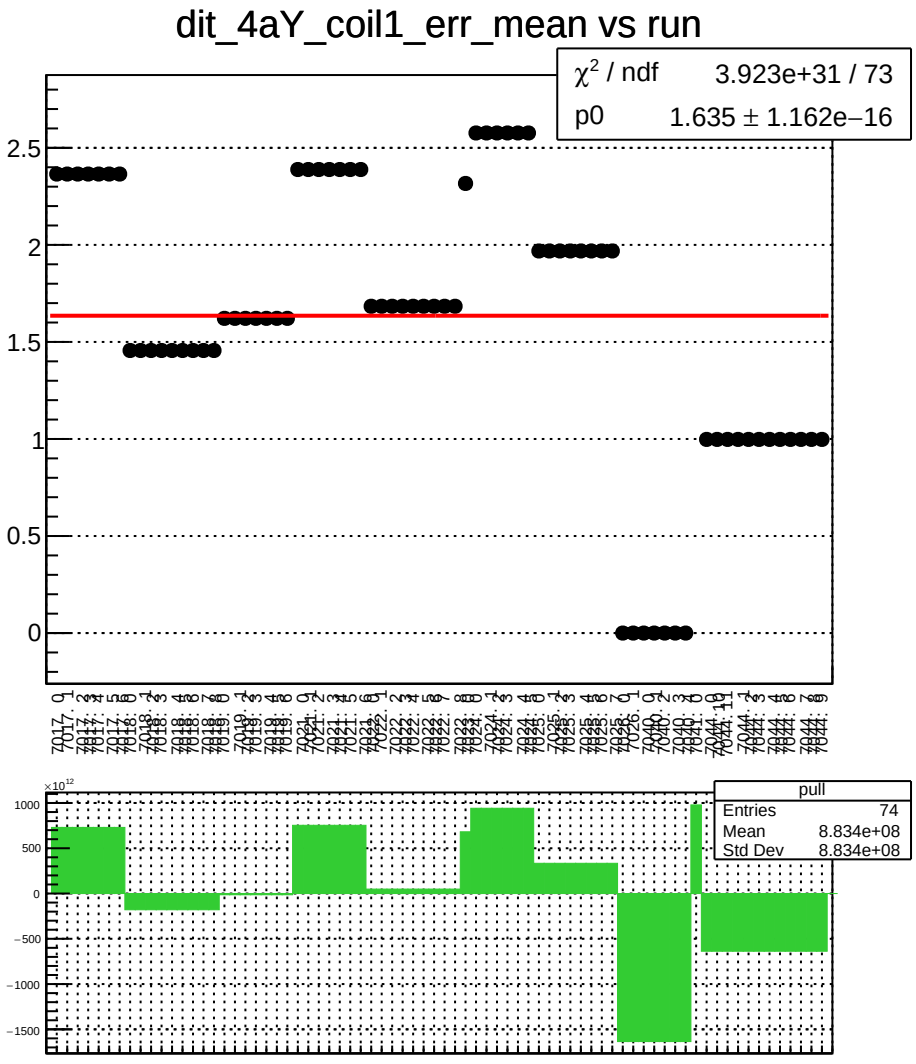


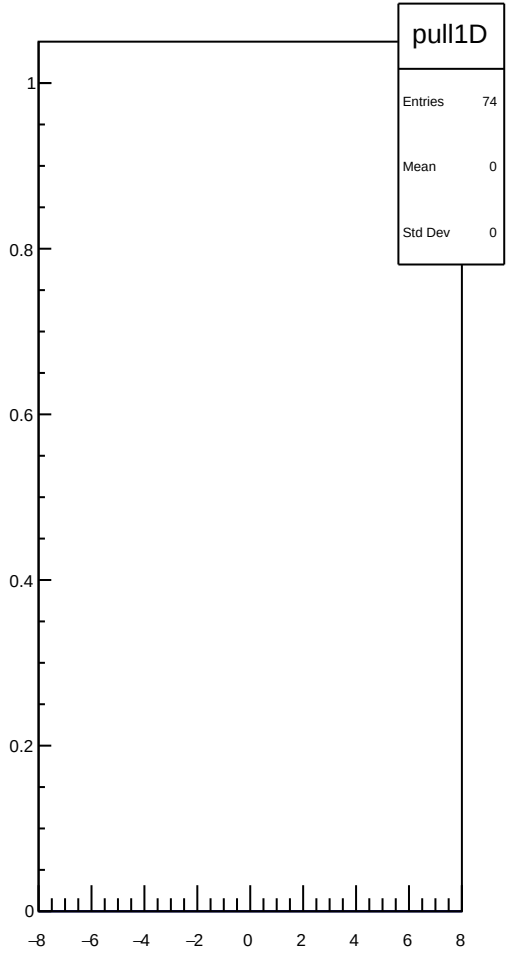
dit_11X12X_coil1_Ndata_mean vs run



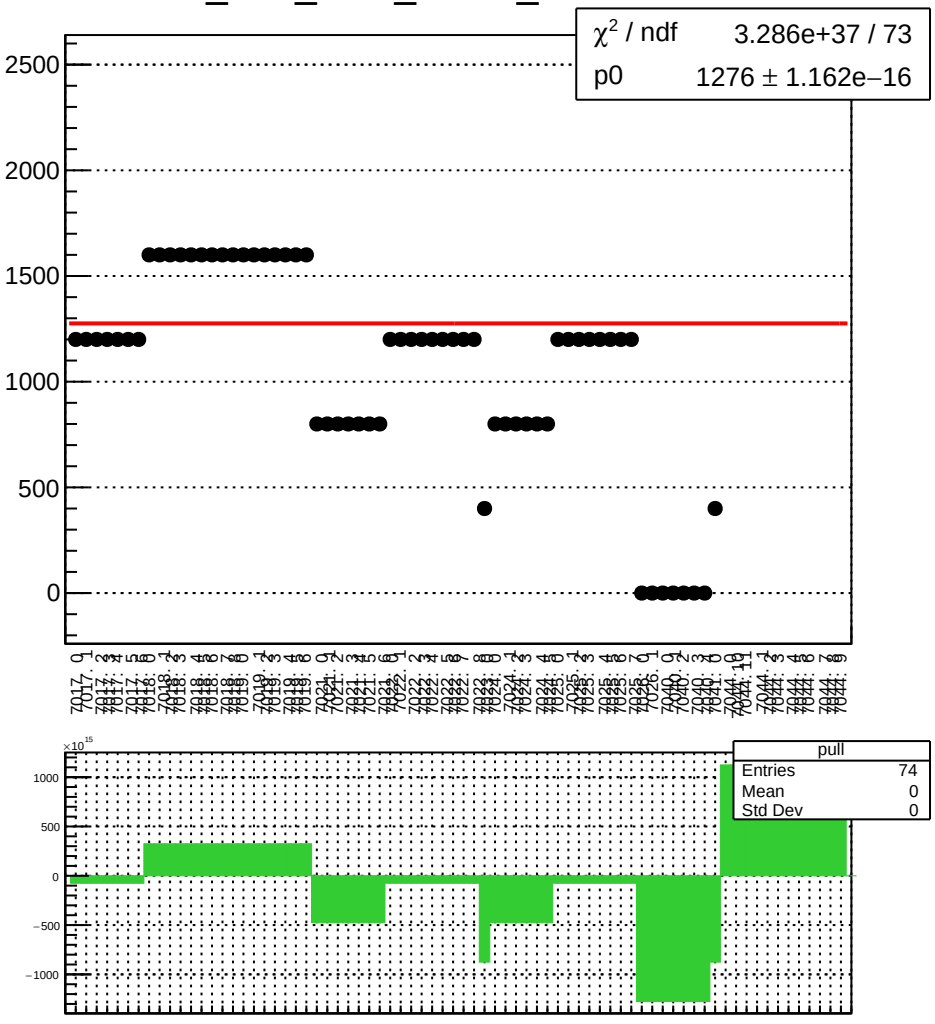


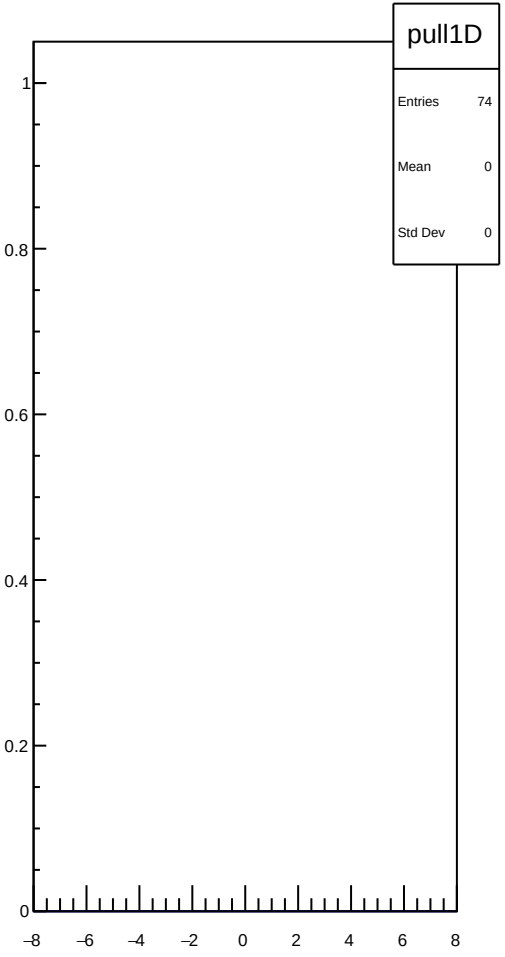

dit_4aY_coil1_mean vs run
χ2 / ndf 4.667e+31 / 73
p0 0.5541 ± 1.162e−16
pull
Entries 74
Mean 6.859e+08
Std Dev 6.859e+08
pull1D
Entries 74
Mean 0
Std Dev 0


dit_4aY_coil1_err_mean vs run
χ² / ndf 3.923e+31 / 73
p0 1.635 ± 1.162e−16
pull
Entries 74
Mean 8.834e+08
Std Dev 8.834e+08

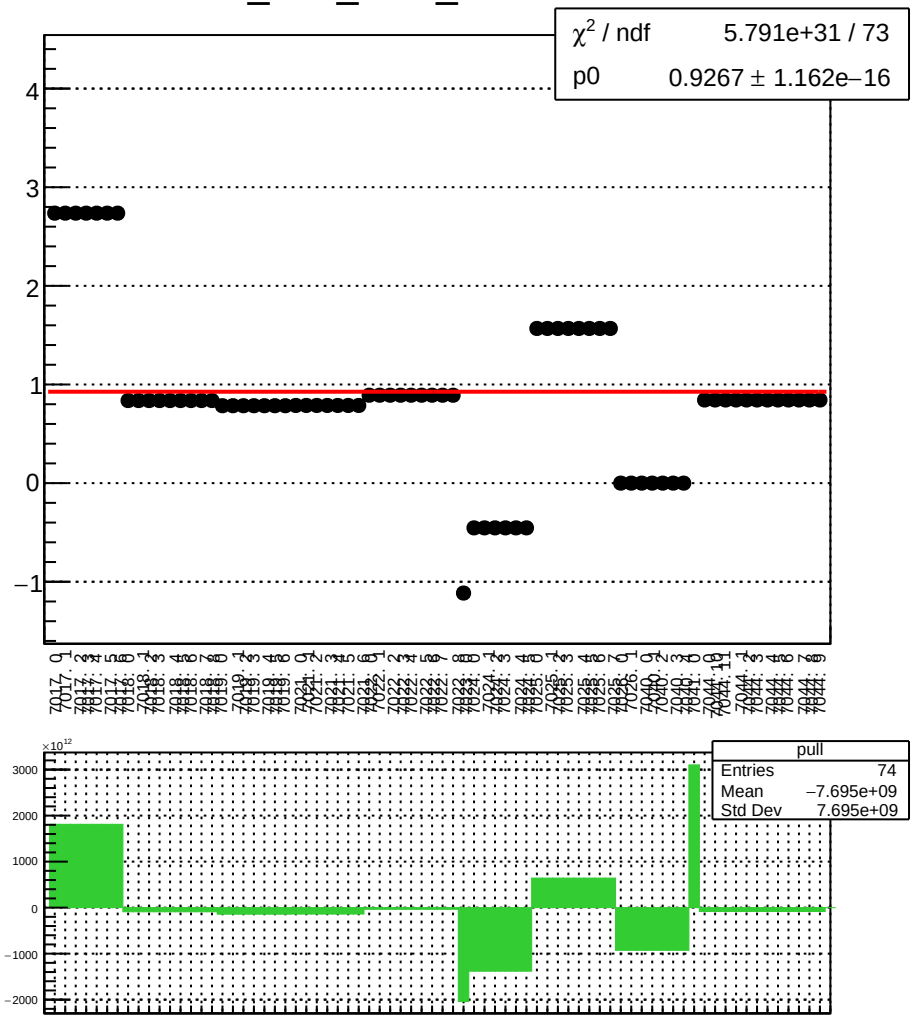

pull1D
Entries 74
Mean 0
Std Dev 0

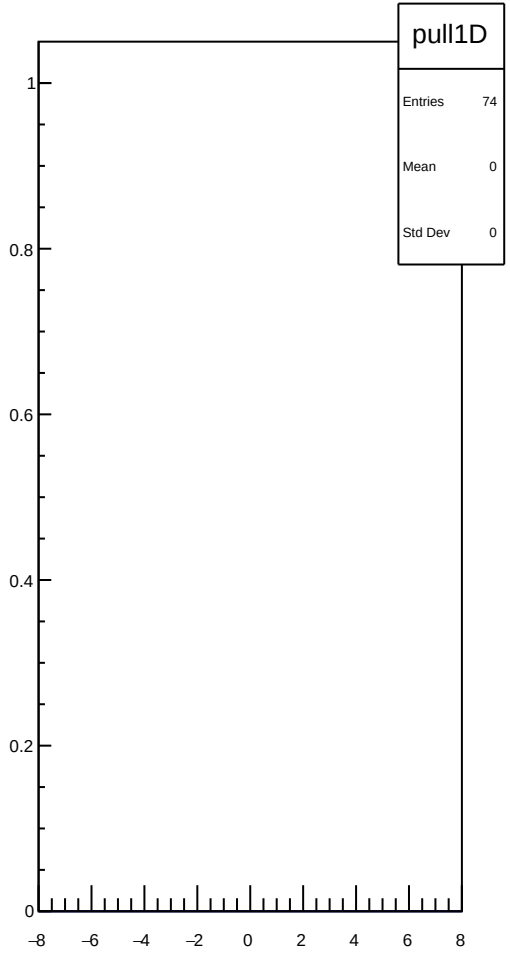
dit_4aY_coil1_Ndata_mean vs run



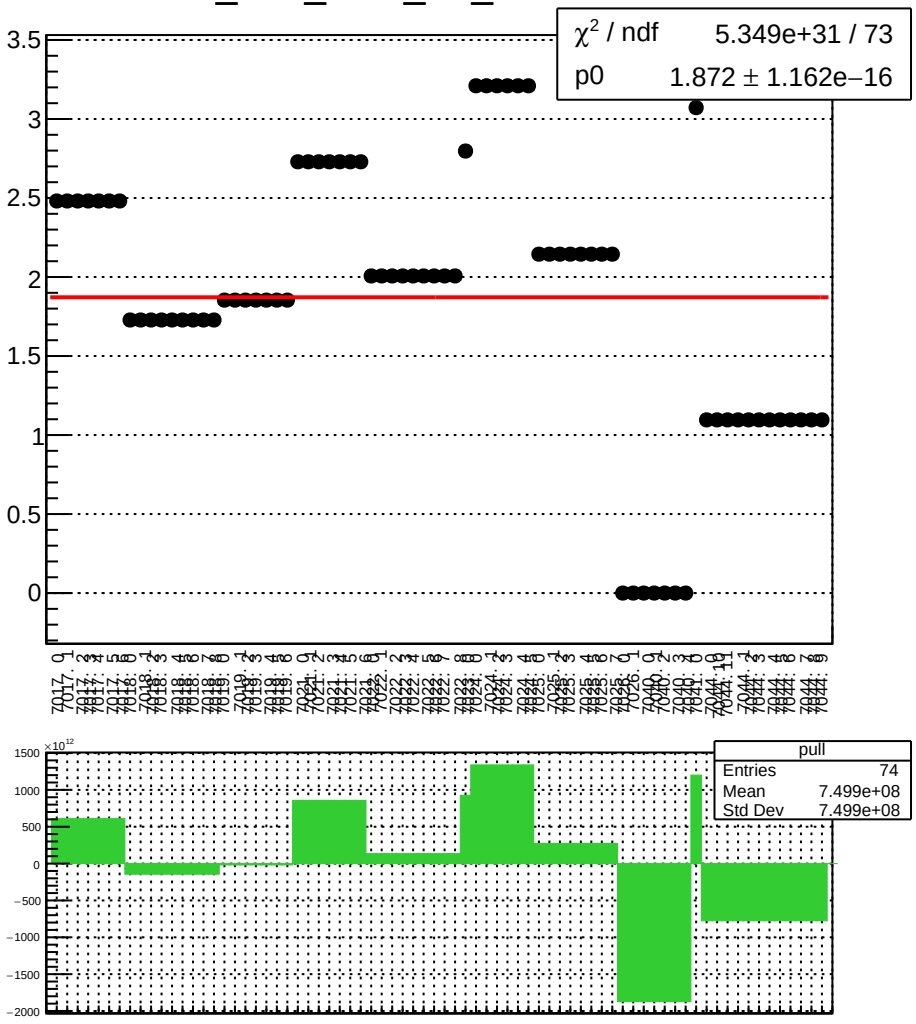


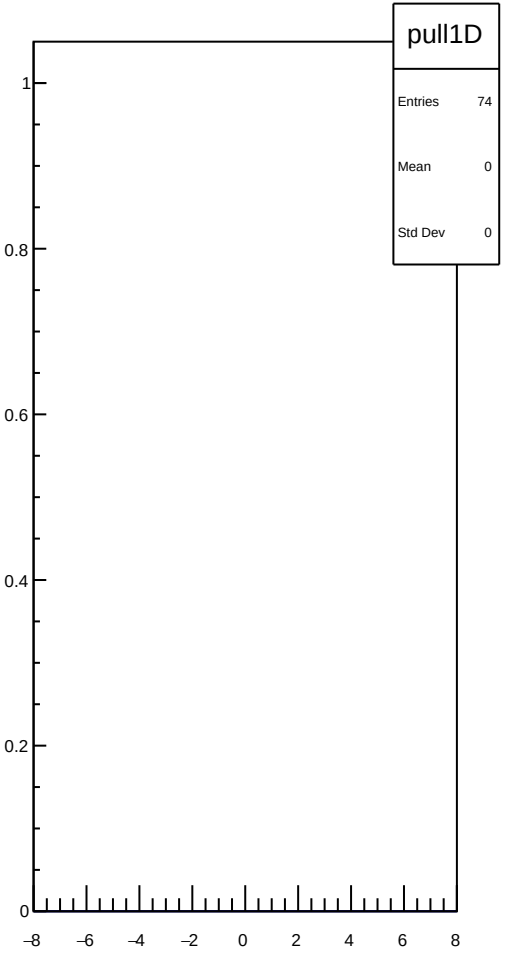
dit_4eY_coil1_mean vs run



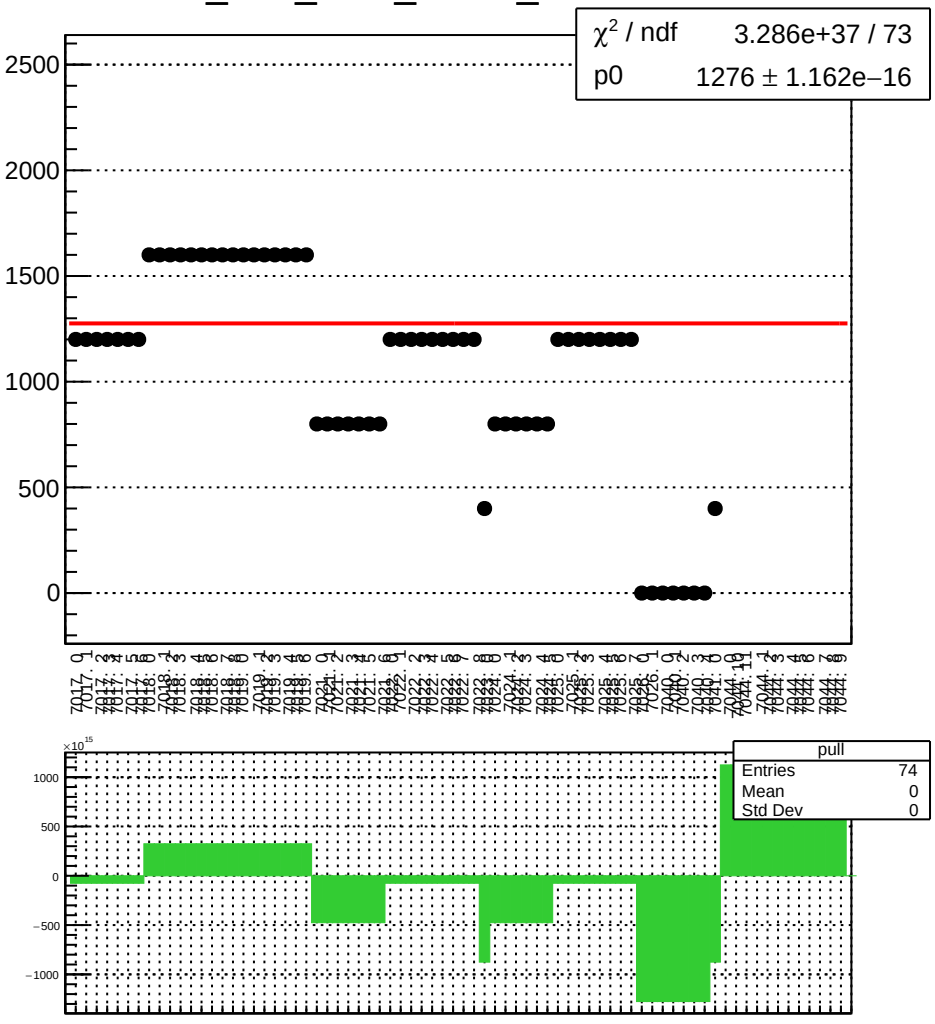


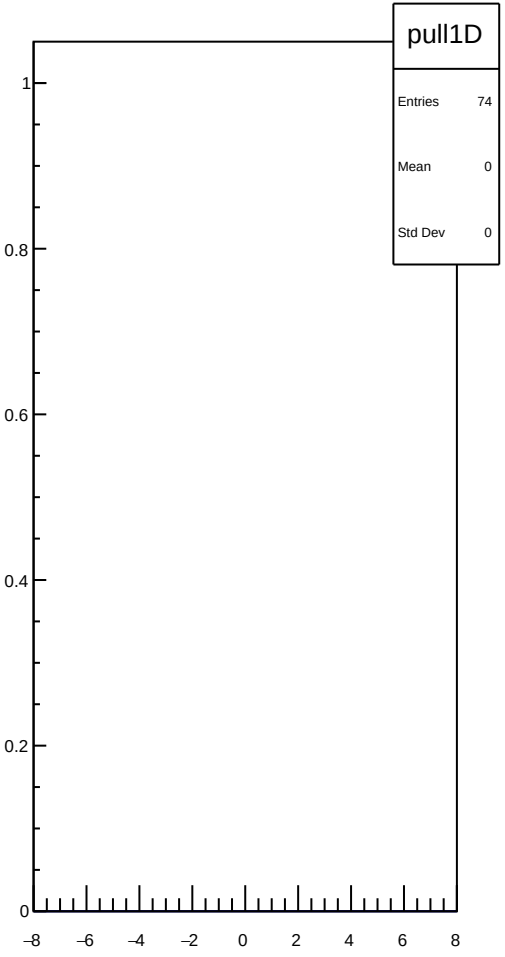
dit_4eY_coil1_err_mean vs run

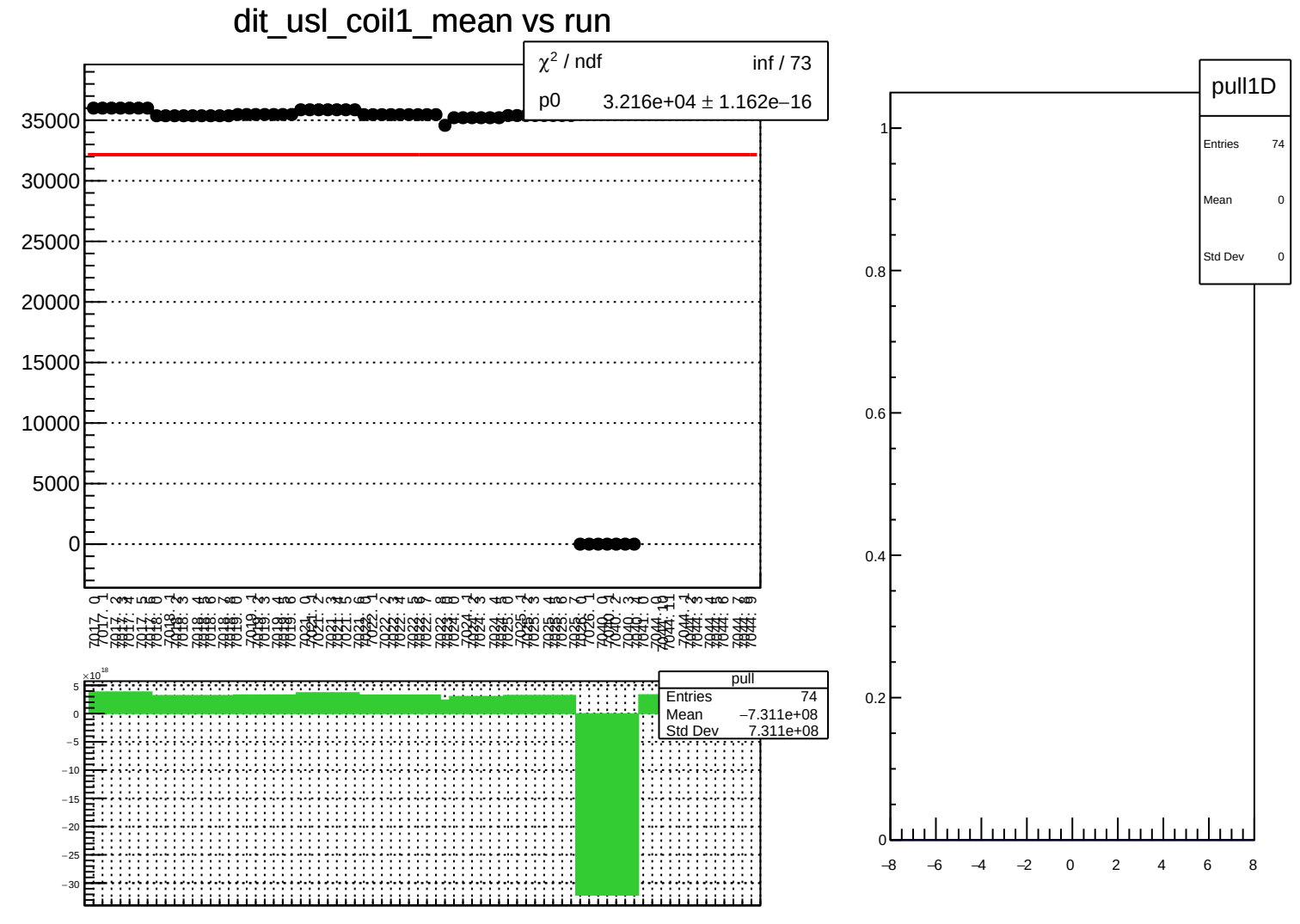


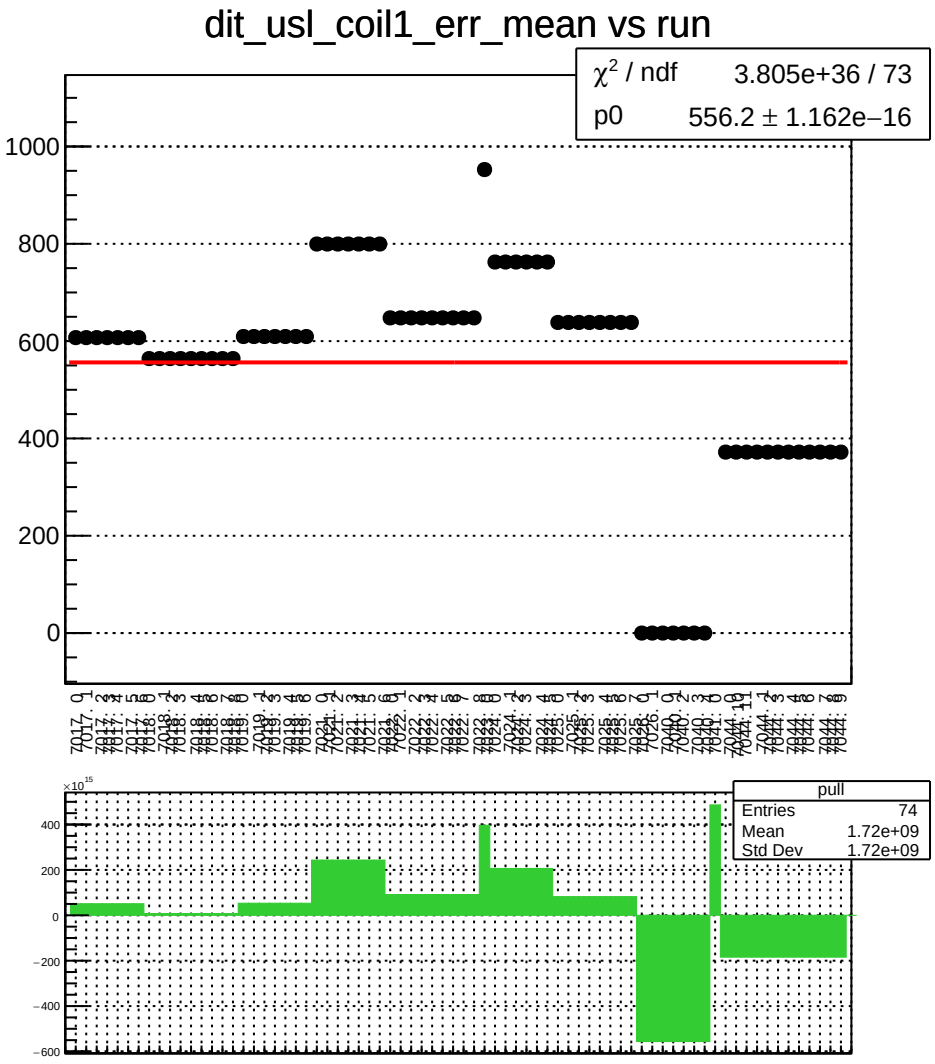


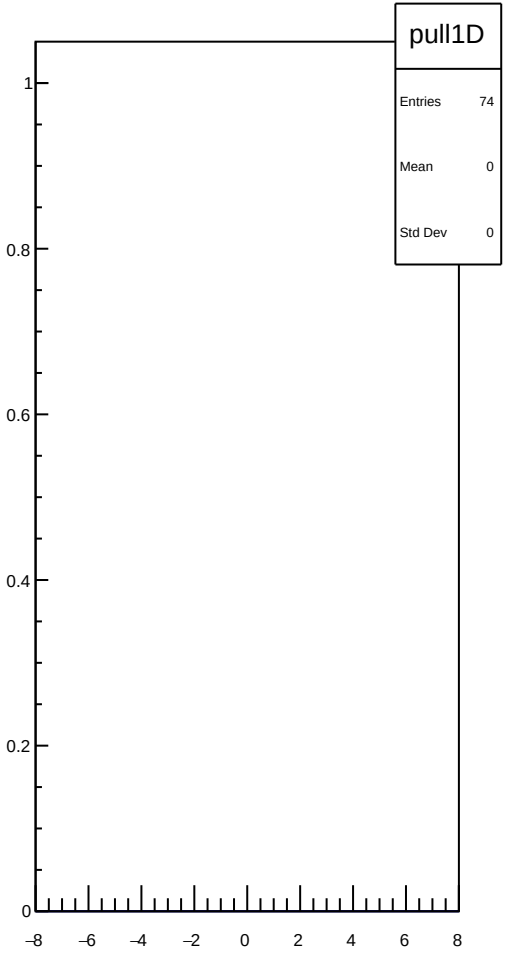
dit_4eY_coil1_Ndata_mean vs run

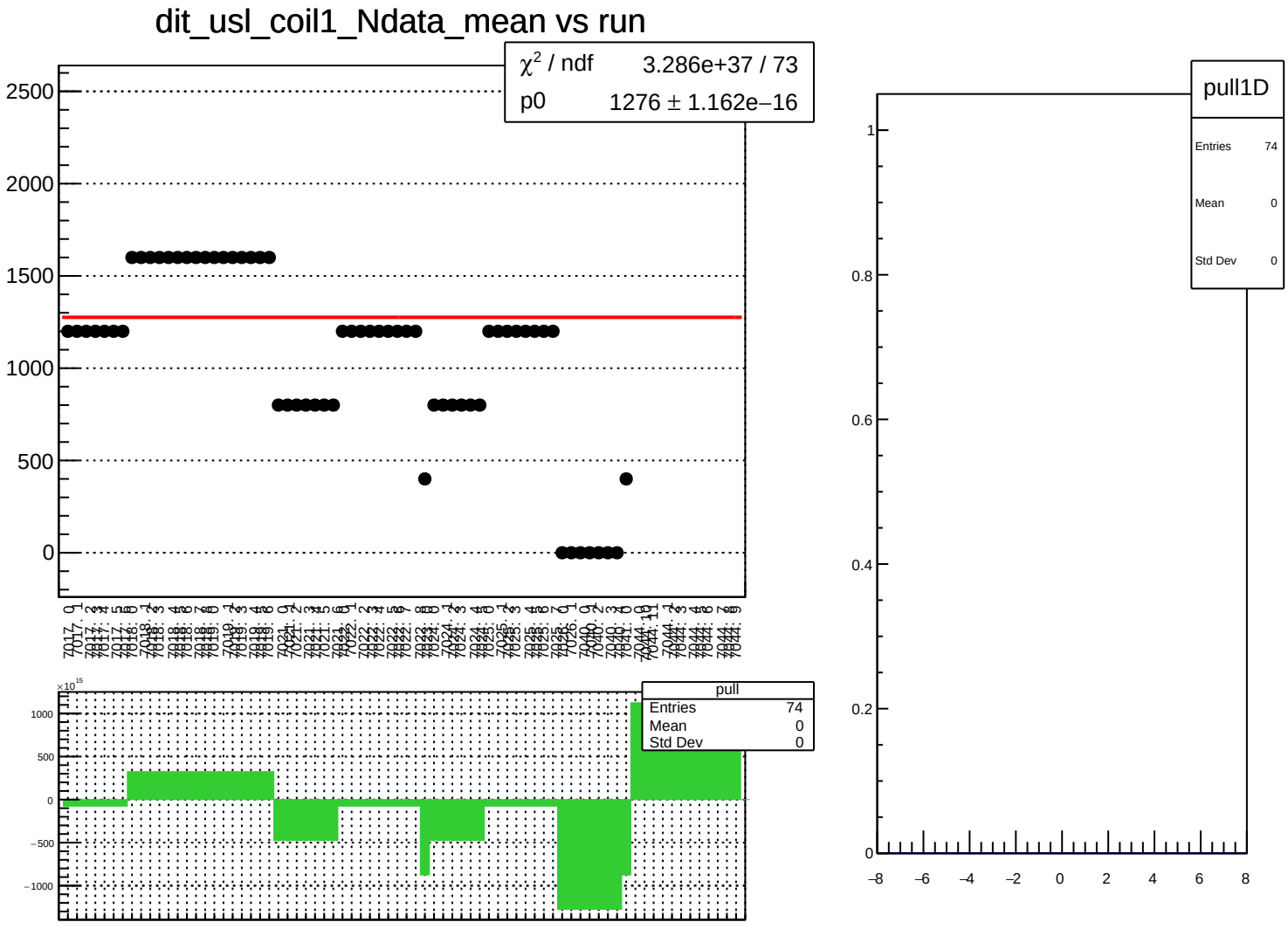


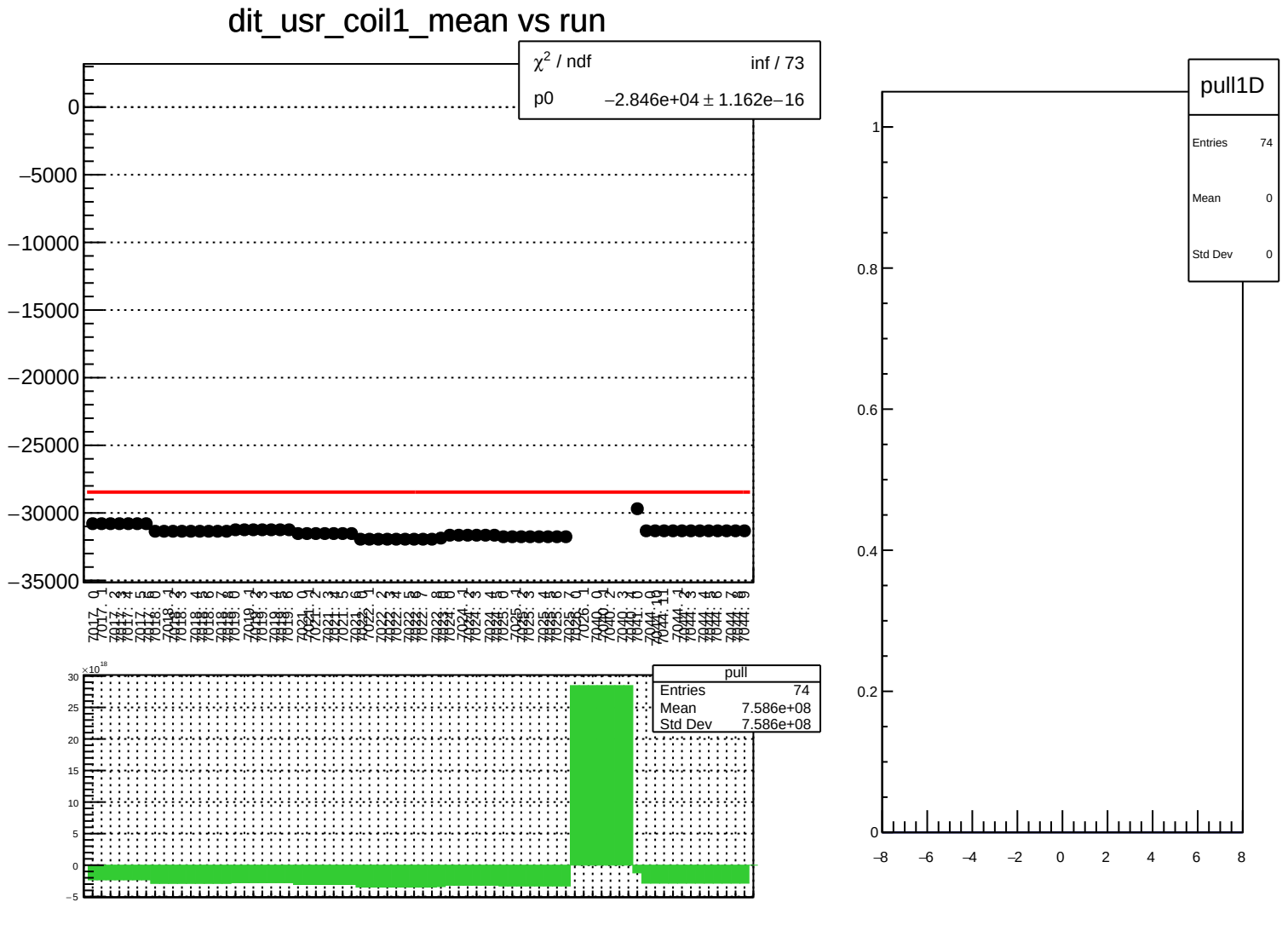


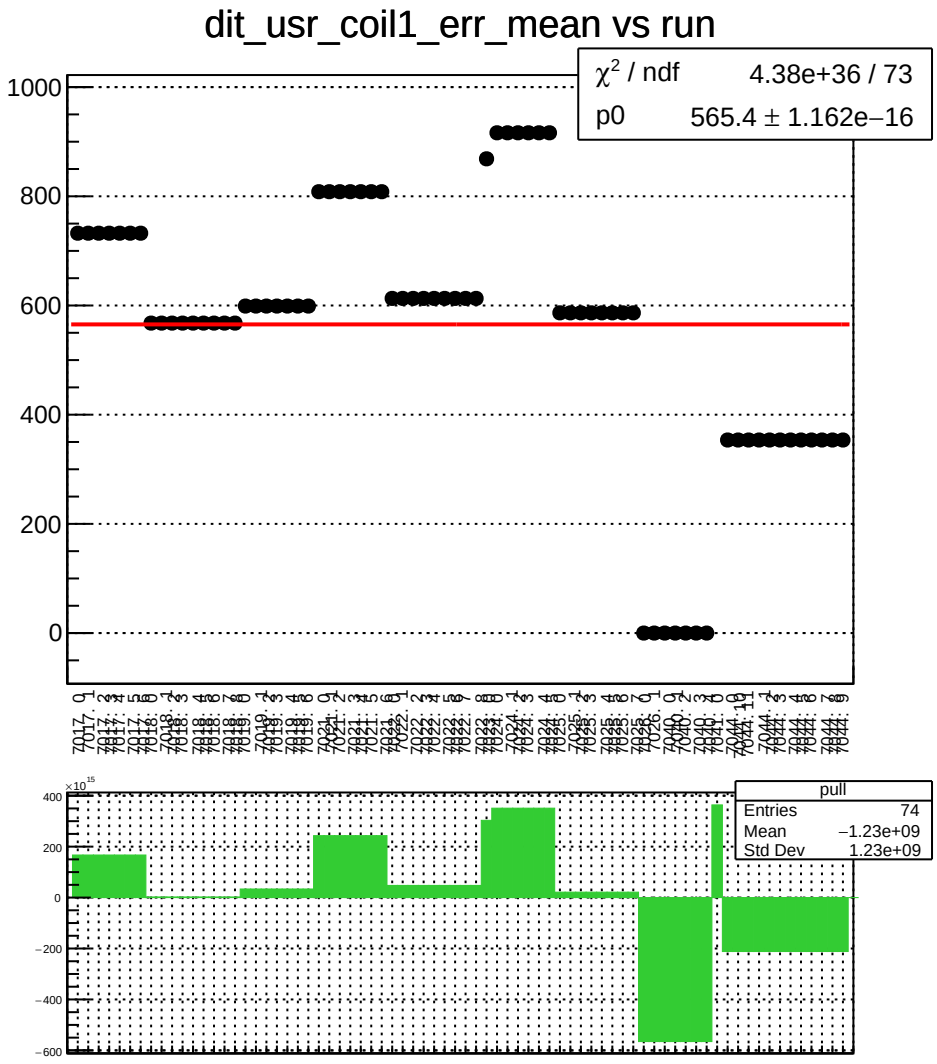

dit_usl_coil1_mean vs run
χ² / ndf inf / 73
p0 3.216e+04 ± 1.162e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 74
Mean −7.311e+08
Std Dev 7.311e+08
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

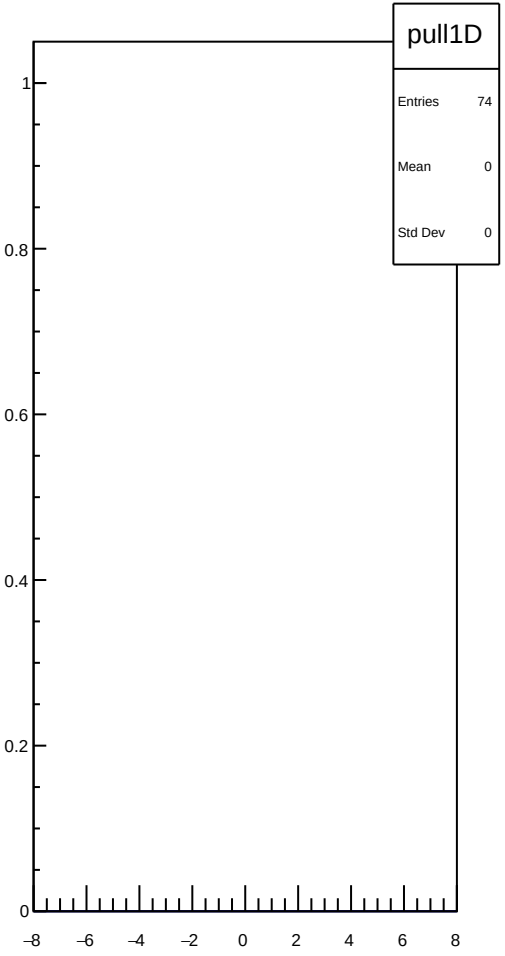

dit_usl_coil1_err_mean vs run
χ² / ndf 3.805e+36 / 73
p0 556.2 ± 1.162e−16
1000
800
600
400
200
0
pull
Entries 74
Mean 1.72e+09
Std Dev 1.72e+09
×10¹⁵
400
200
0
−200
−400
−600

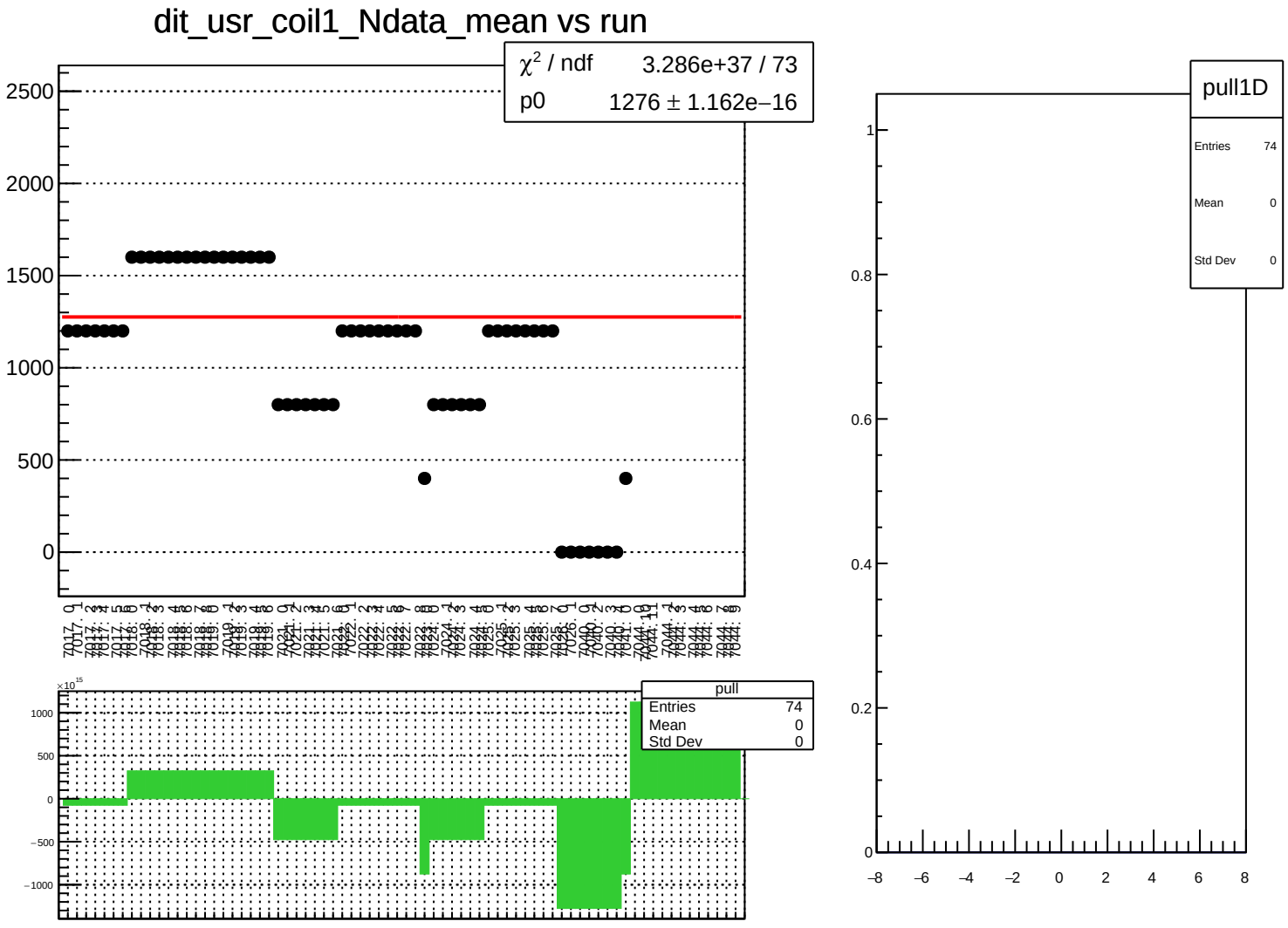

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil1_Ndata_mean vs run
χ² / ndf 3.286e+37 / 73
p0 1276 ± 1.162e−16
pull
Entries 74
Mean 0
Std Dev 0
pull1D
Entries 74
Mean 0
Std Dev 0

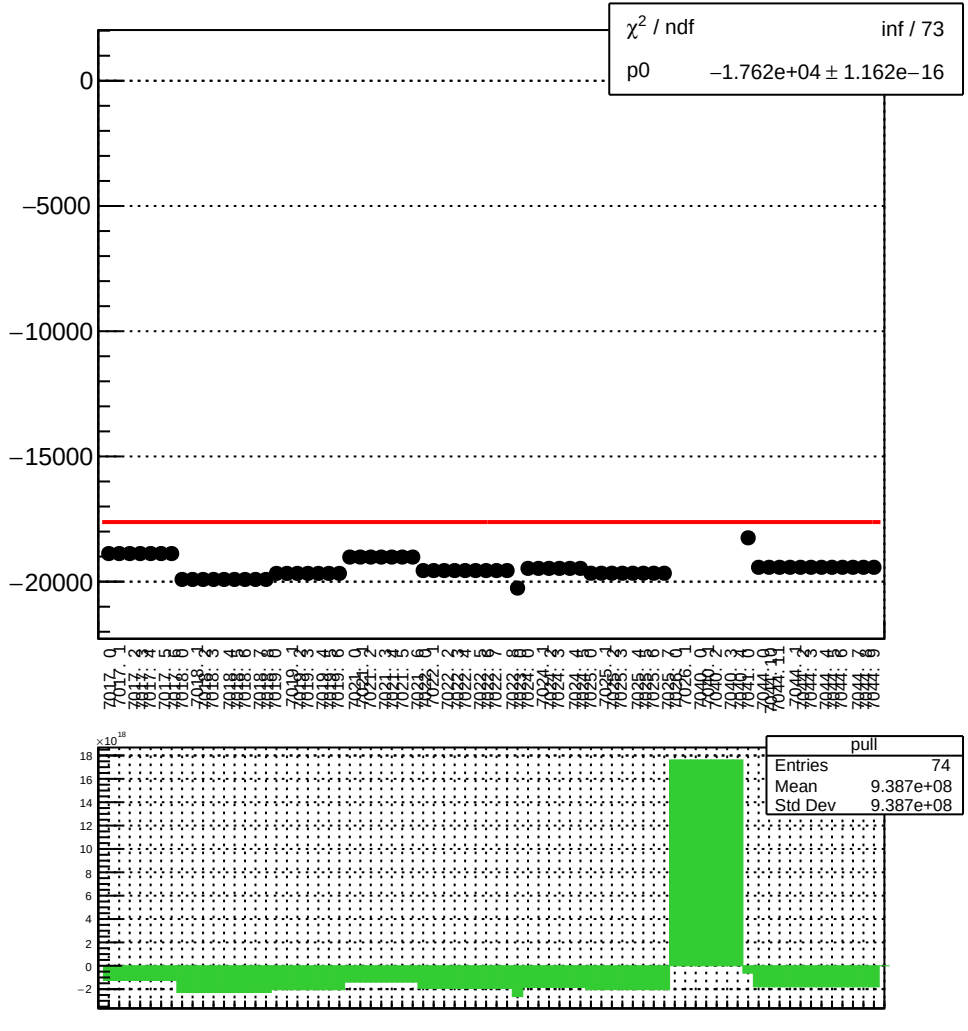

dit_usr_coil1_mean vs run
χ² / ndf inf / 73
p0 −2.846e+04 ± 1.162e−16
pull
Entries 74
Mean 7.586e+08
Std Dev 7.586e+08
pull1D
Entries 74
Mean 0
Std Dev 0

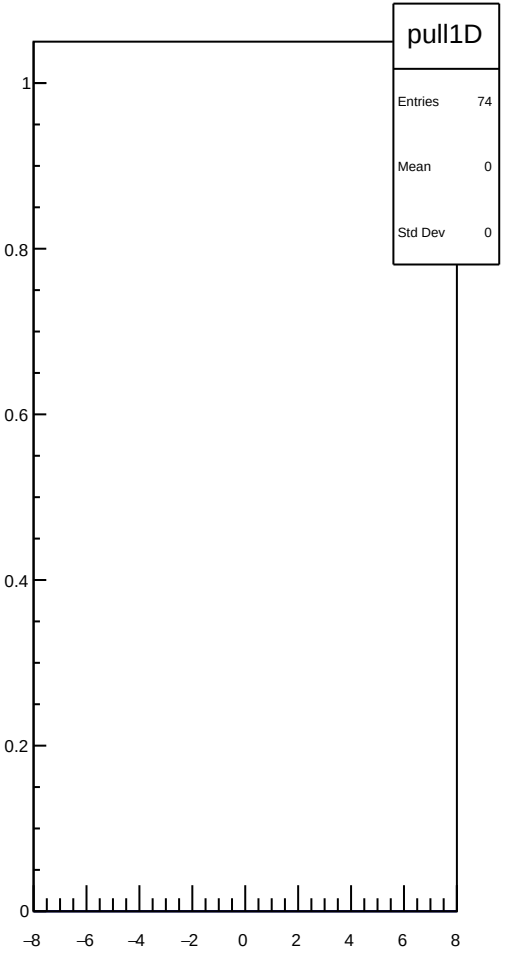

dit_usr_coil1_err_mean vs run
χ² / ndf 4.38e+36 / 73
p0 565.4 ± 1.162e−16
pull
Entries 74
Mean −1.23e+09
Std Dev 1.23e+09

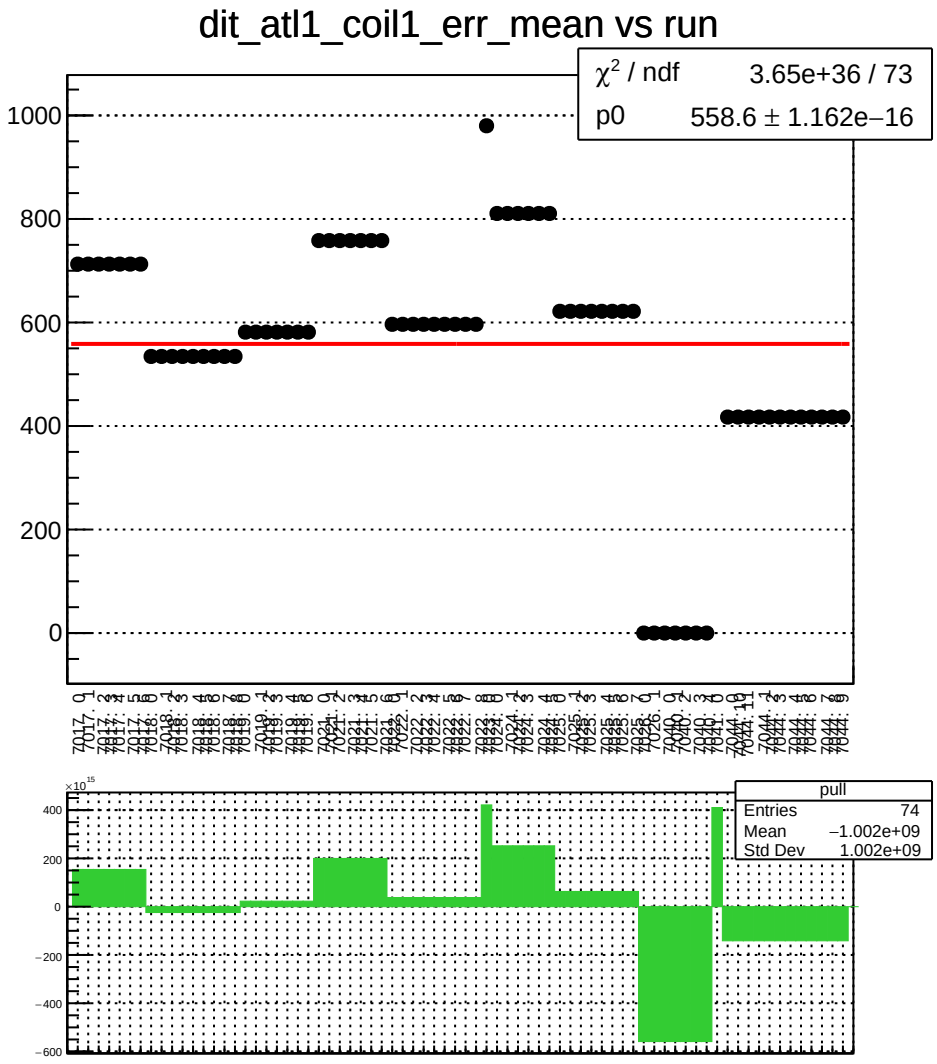

pull1D
Entries 74
Mean 0
Std Dev 0

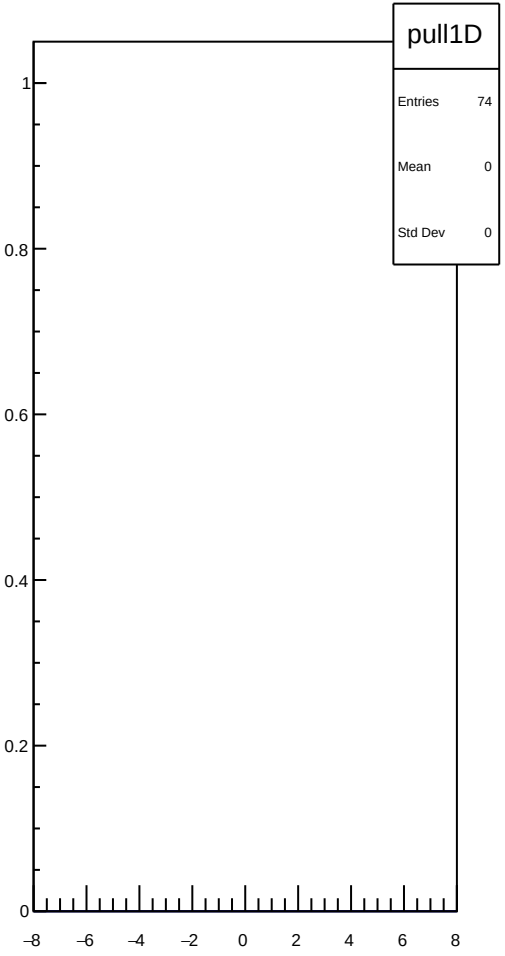

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 3.286e+37 / 73
p0 1276 ± 1.162e−16
pull
Entries 74
Mean 0
Std Dev 0
pull1D
Entries 74
Mean 0
Std Dev 0

dit_atl1_coil1_mean vs run

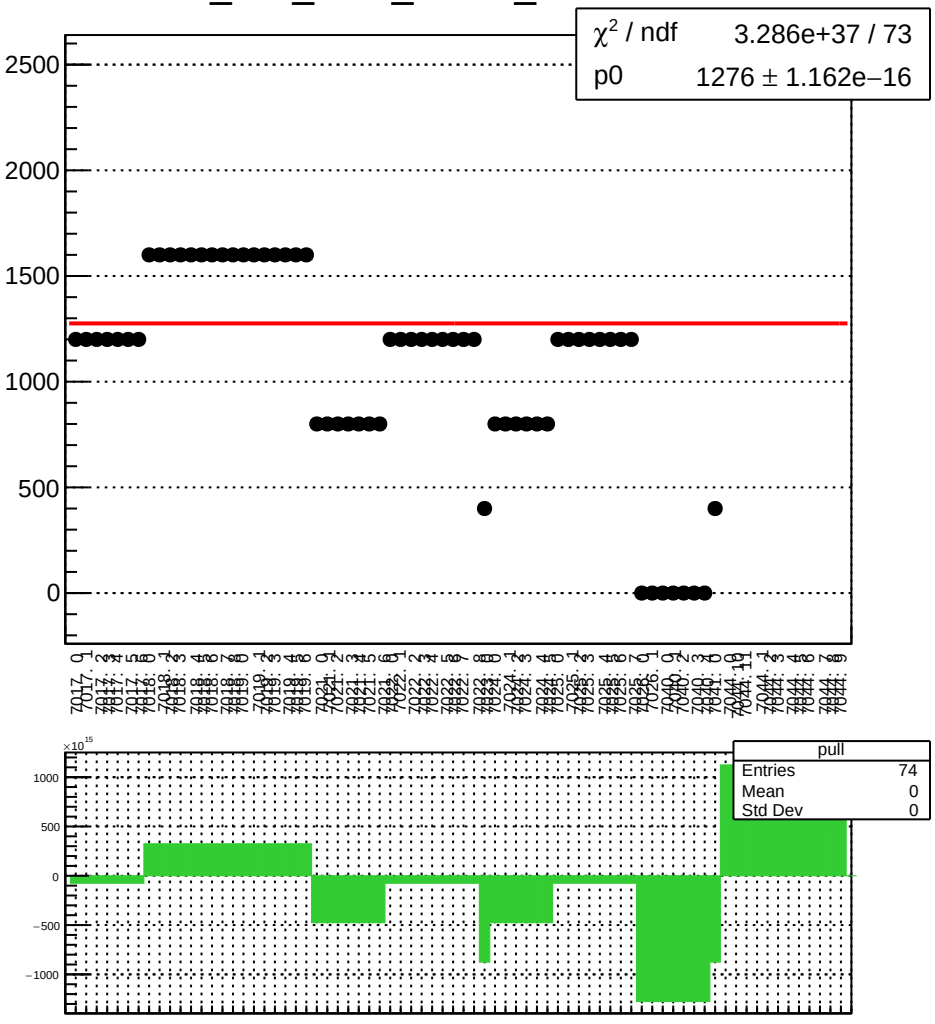


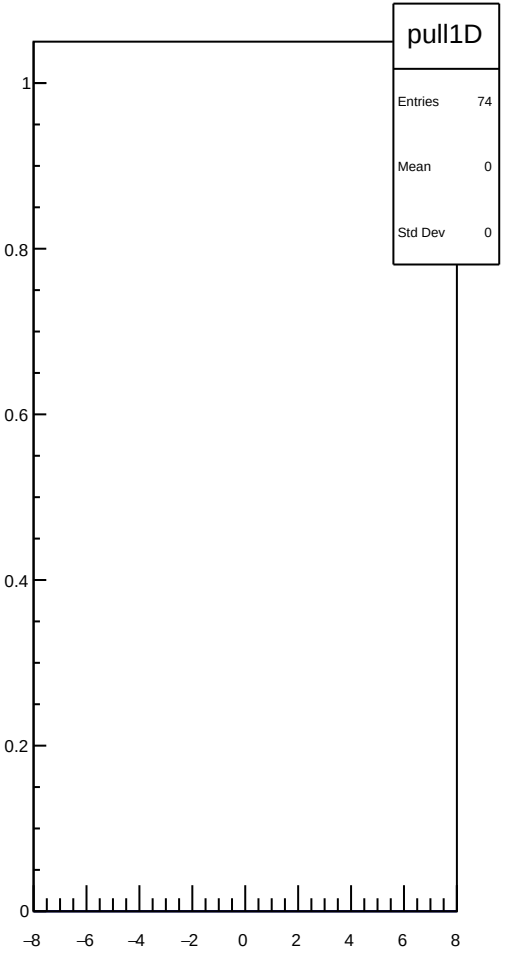


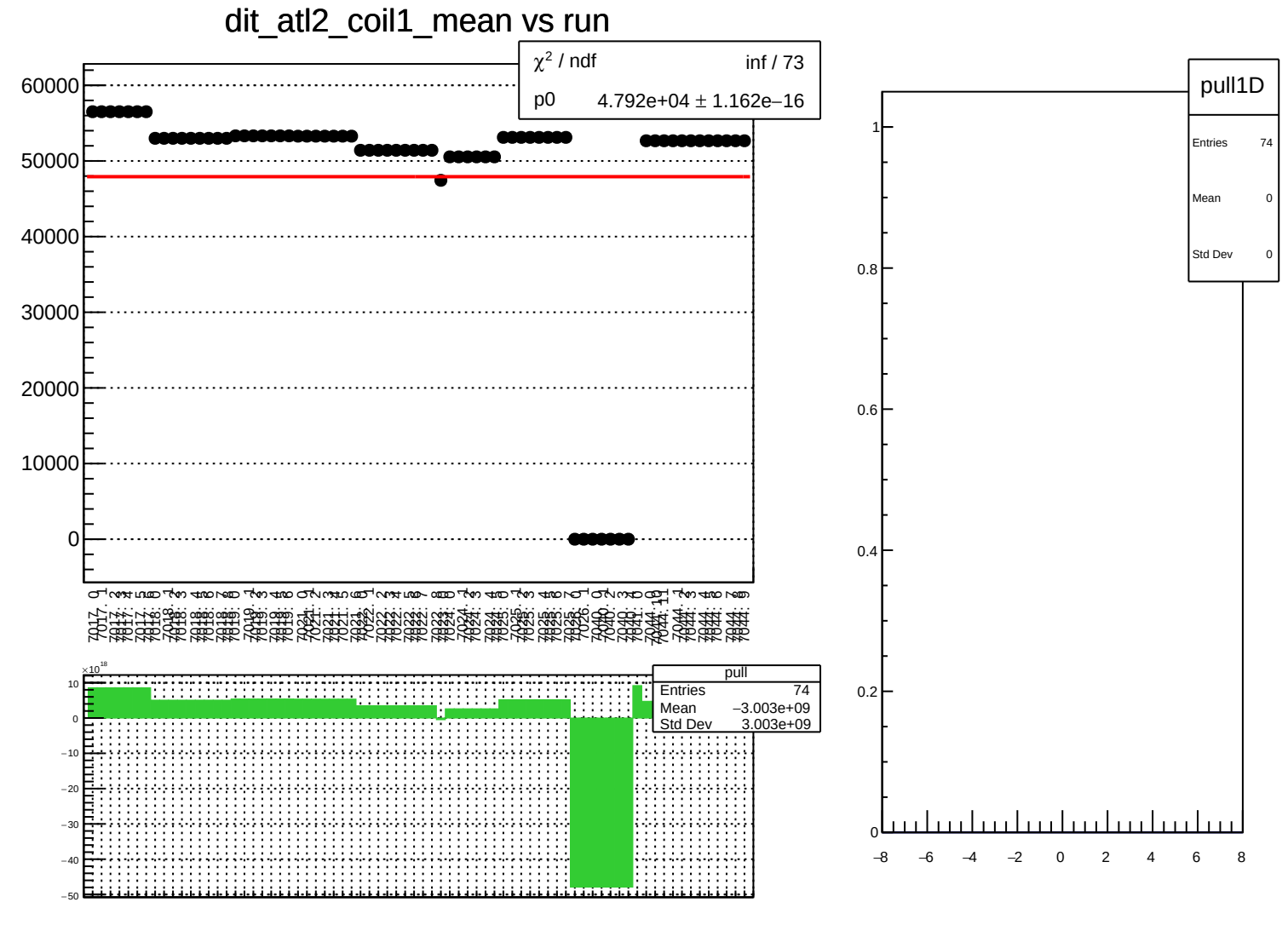

dit_atl1_coil1_err_mean vs run
χ² / ndf 3.65e+36 / 73
p0 558.6 ± 1.162e−16
pull
Entries 74
Mean −1.002e+09
Std Dev 1.002e+09

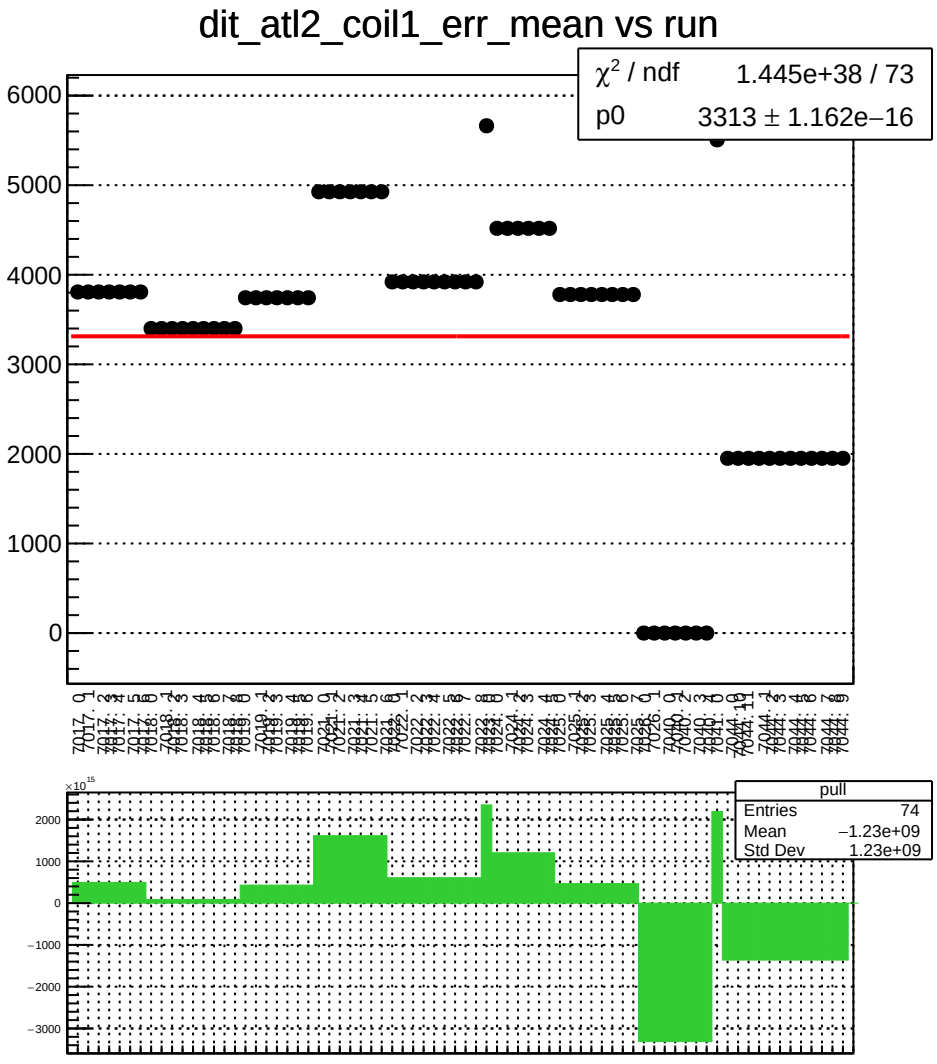

pull1D
Entries 74
Mean 0
Std Dev 0

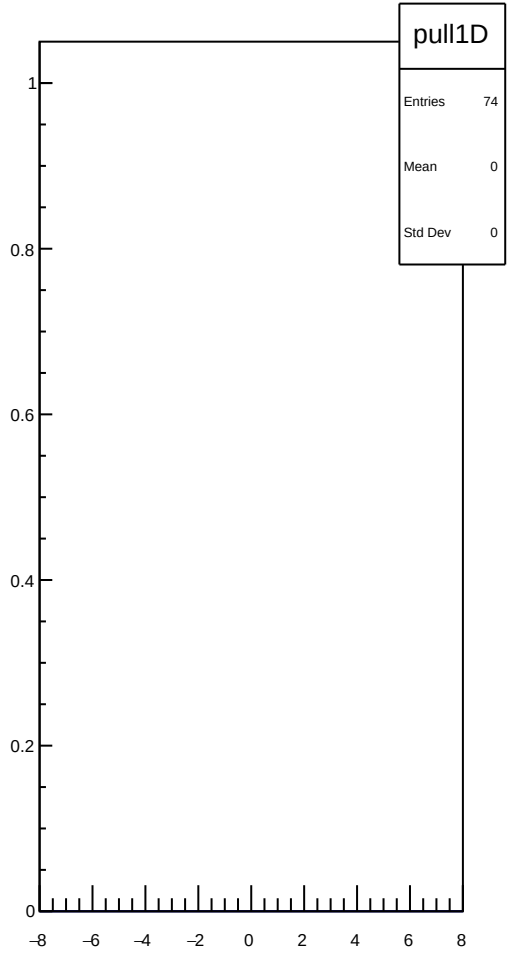
dit_atl1_coil1_Ndata_mean vs run



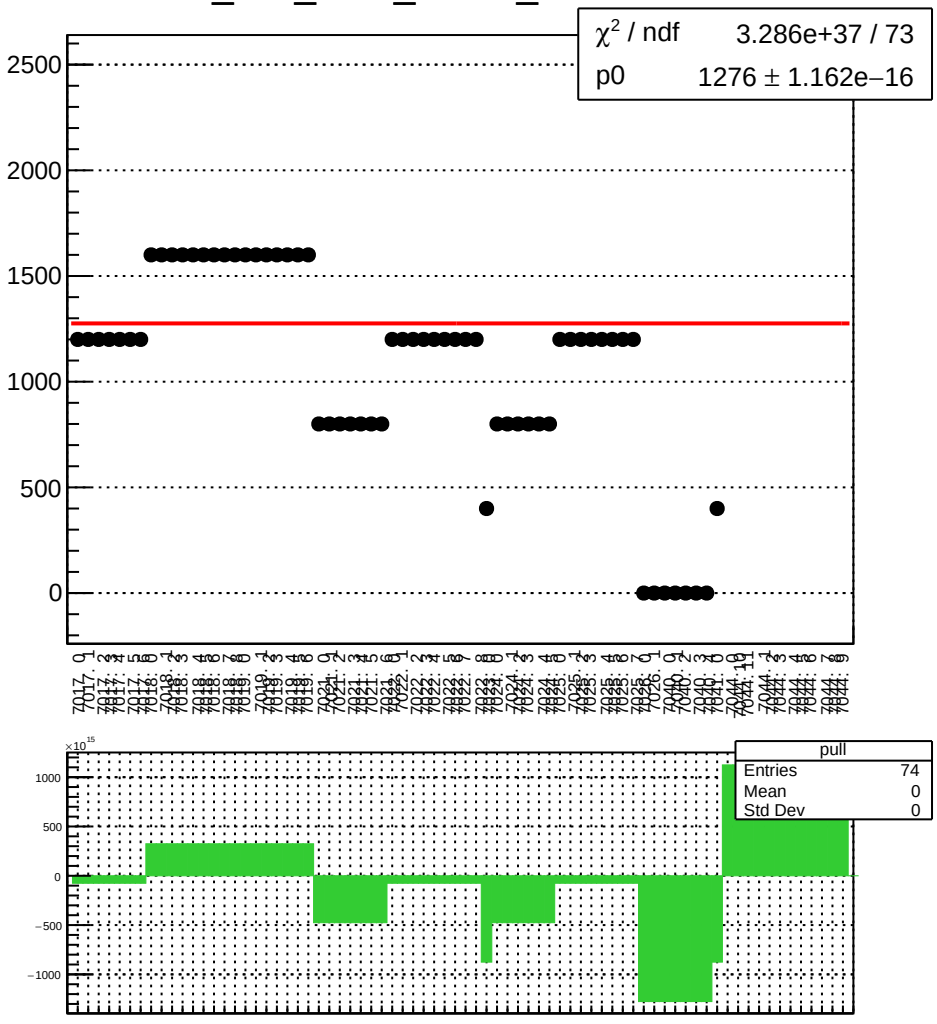


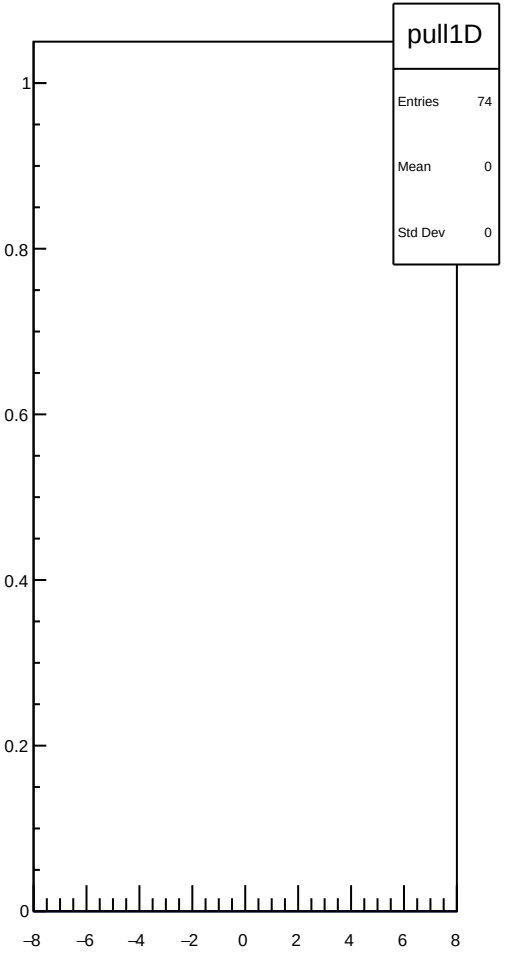

dit_atl2_coil1_mean vs run
χ² / ndf inf / 73
p0 4.792e+04 ± 1.162e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 74
Mean −3.003e+09
Std Dev 3.003e+09
×10¹⁸
10
0
−10
−20
−30
−40
−50
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

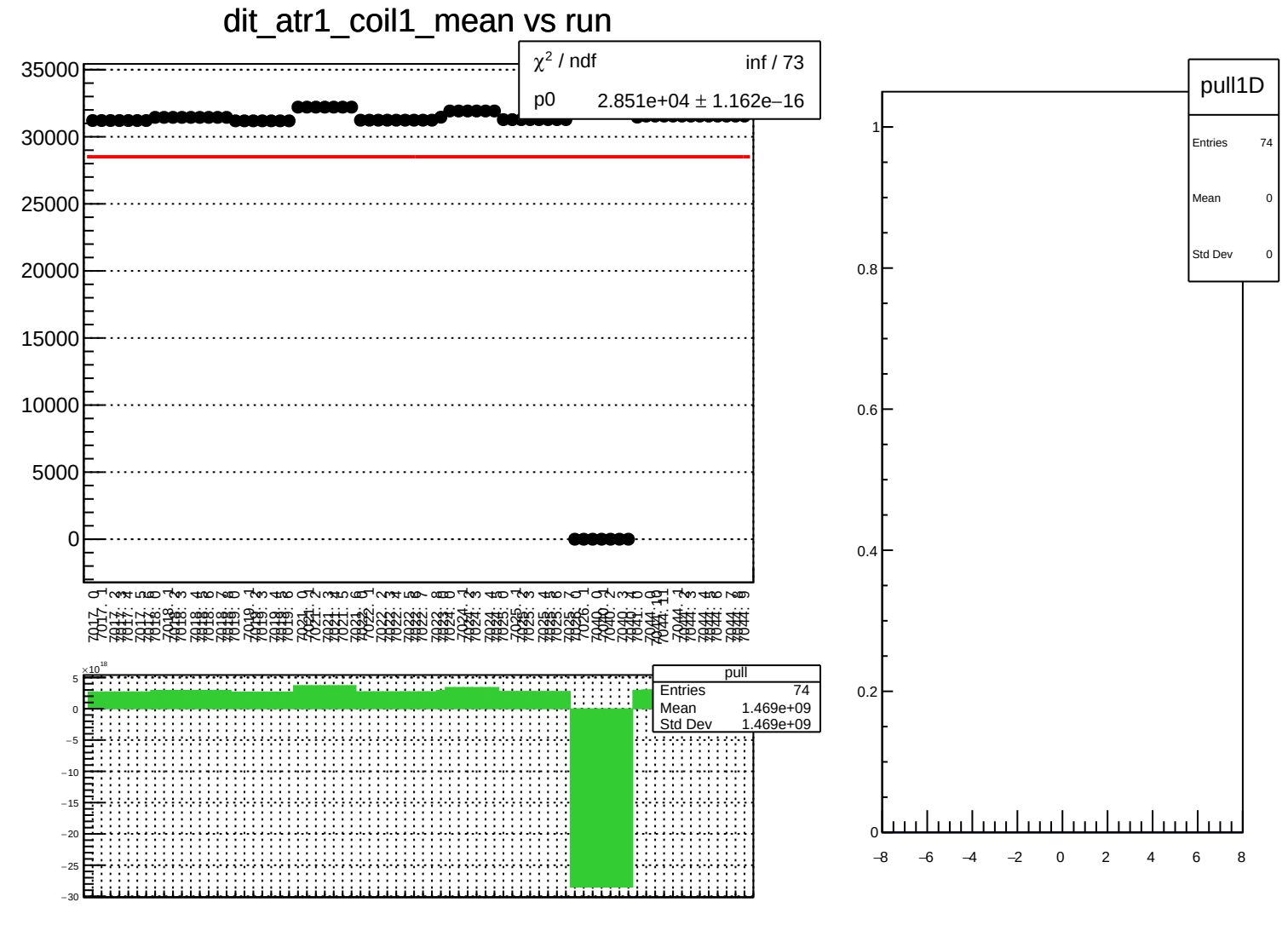

dit_atl2_coil1_err_mean vs run
χ² / ndf 1.445e+38 / 73
p0 3313 ± 1.162e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean −1.23e+09
Std Dev 1.23e+09
×10¹⁵
2000
1000
0
−1000
−2000
−3000

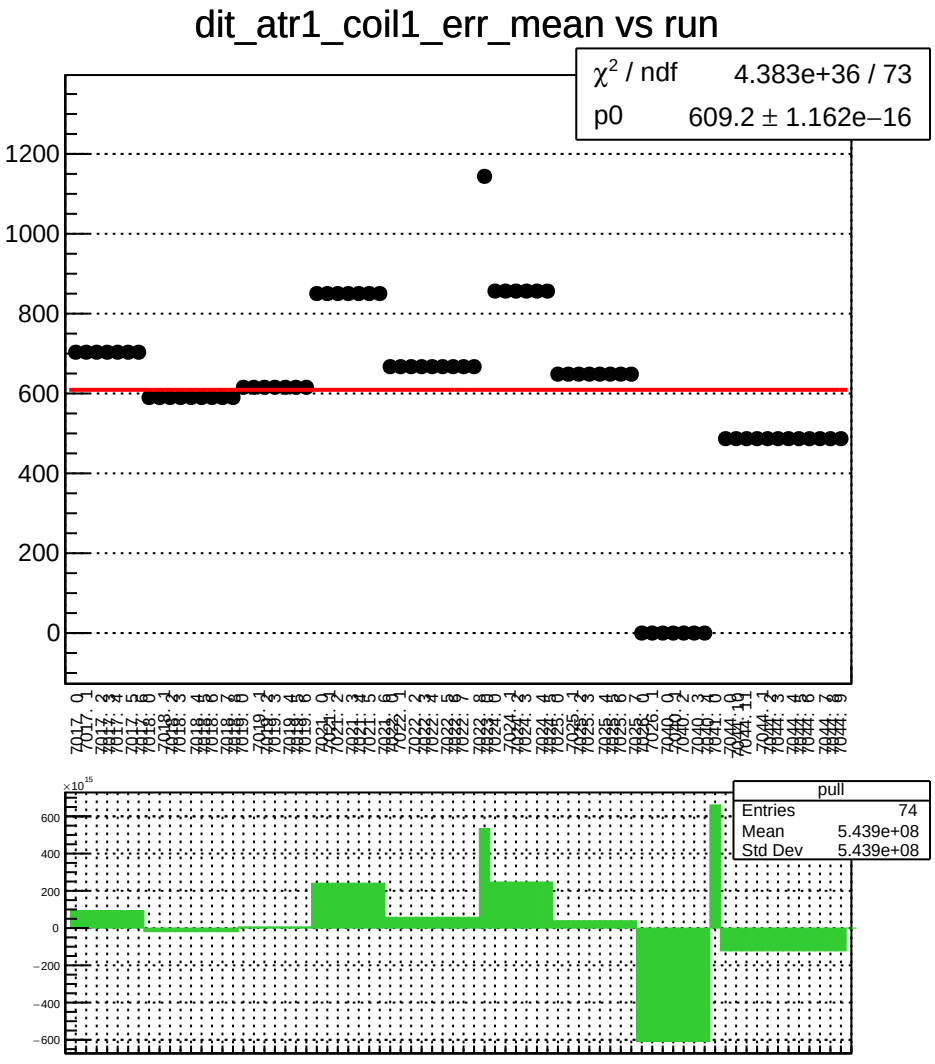

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

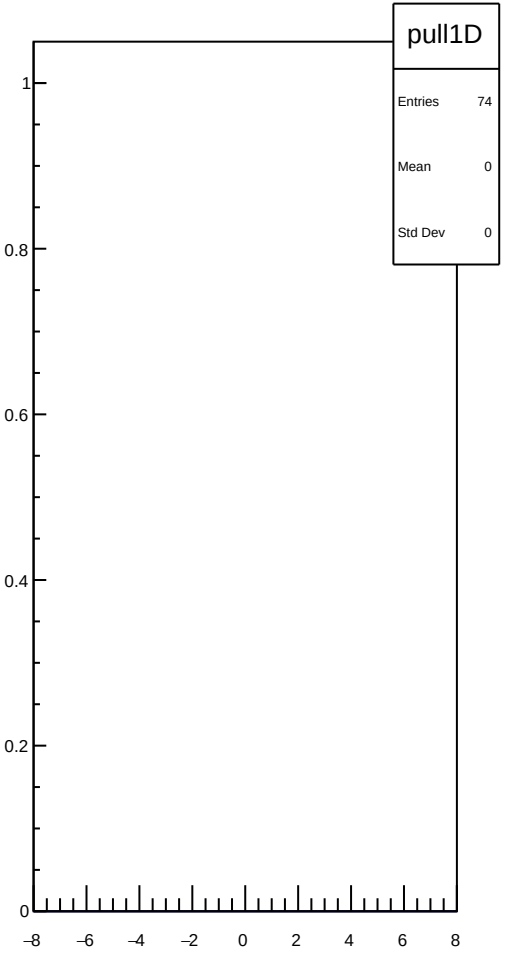
dit_atl2_coil1_Ndata_mean vs run



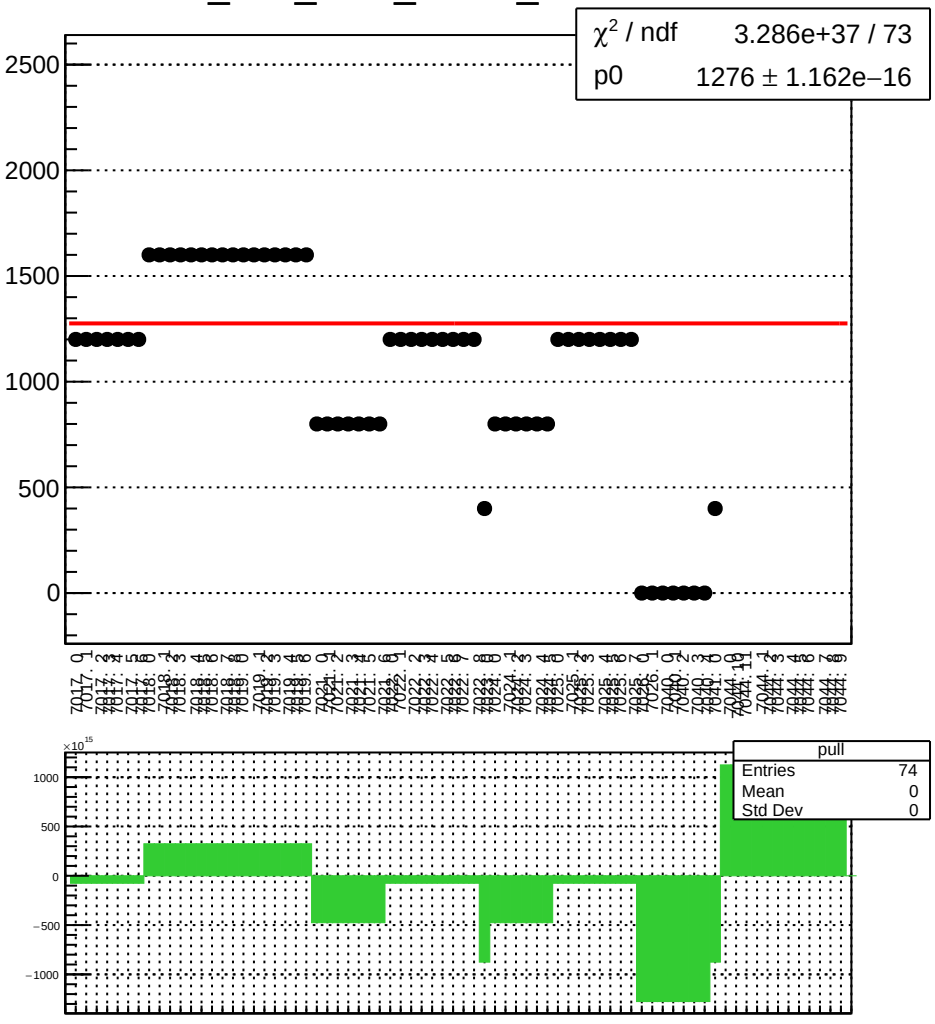


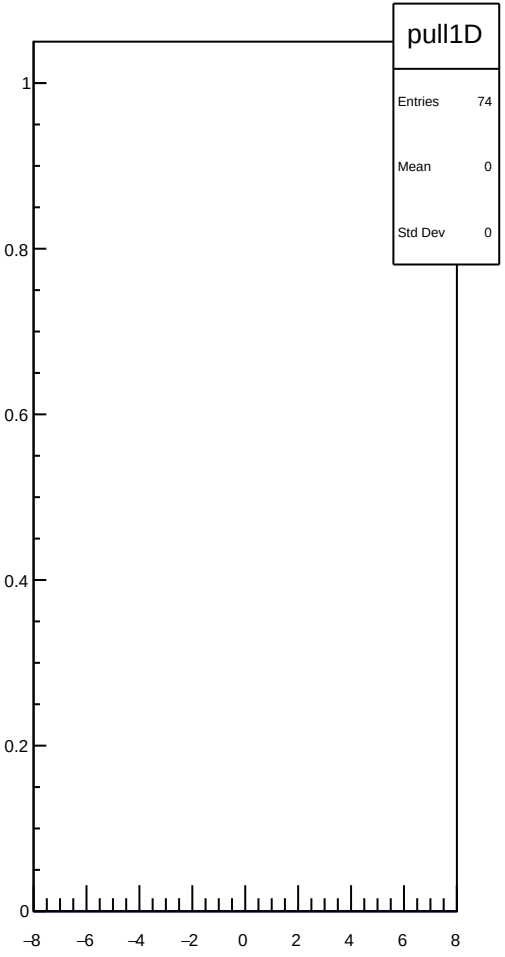

dit_atr1_coil1_mean vs run
χ² / ndf inf / 73
p0 2.851e+04 ± 1.162e−16
pull
Entries 74
Mean 1.469e+09
Std Dev 1.469e+09
pull1D
Entries 74
Mean 0
Std Dev 0

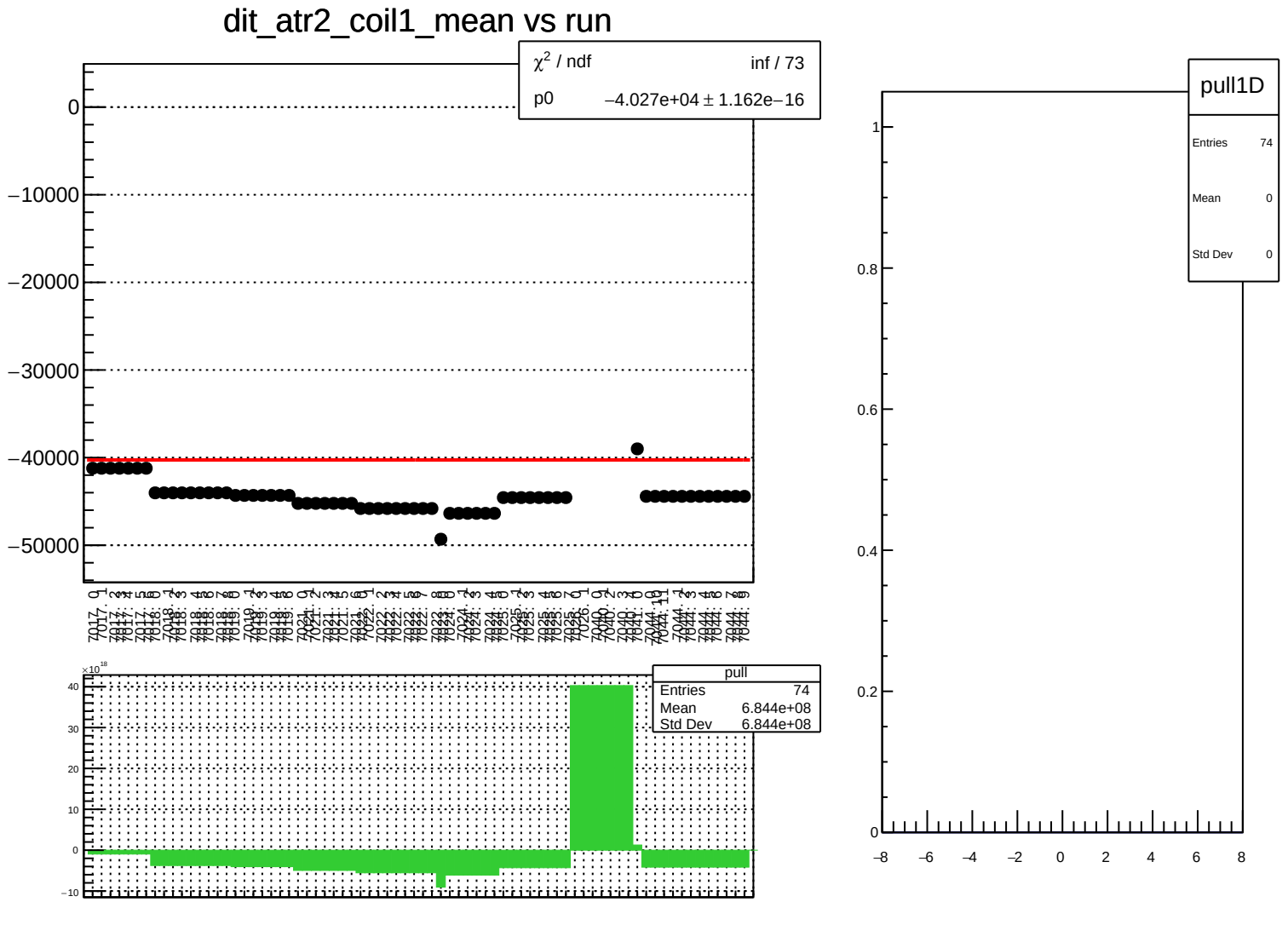

dit_atr1_coil1_err_mean vs run
χ² / ndf 4.383e+36 / 73
p0 609.2 ± 1.162e−16
pull
Entries 74
Mean 5.439e+08
Std Dev 5.439e+08

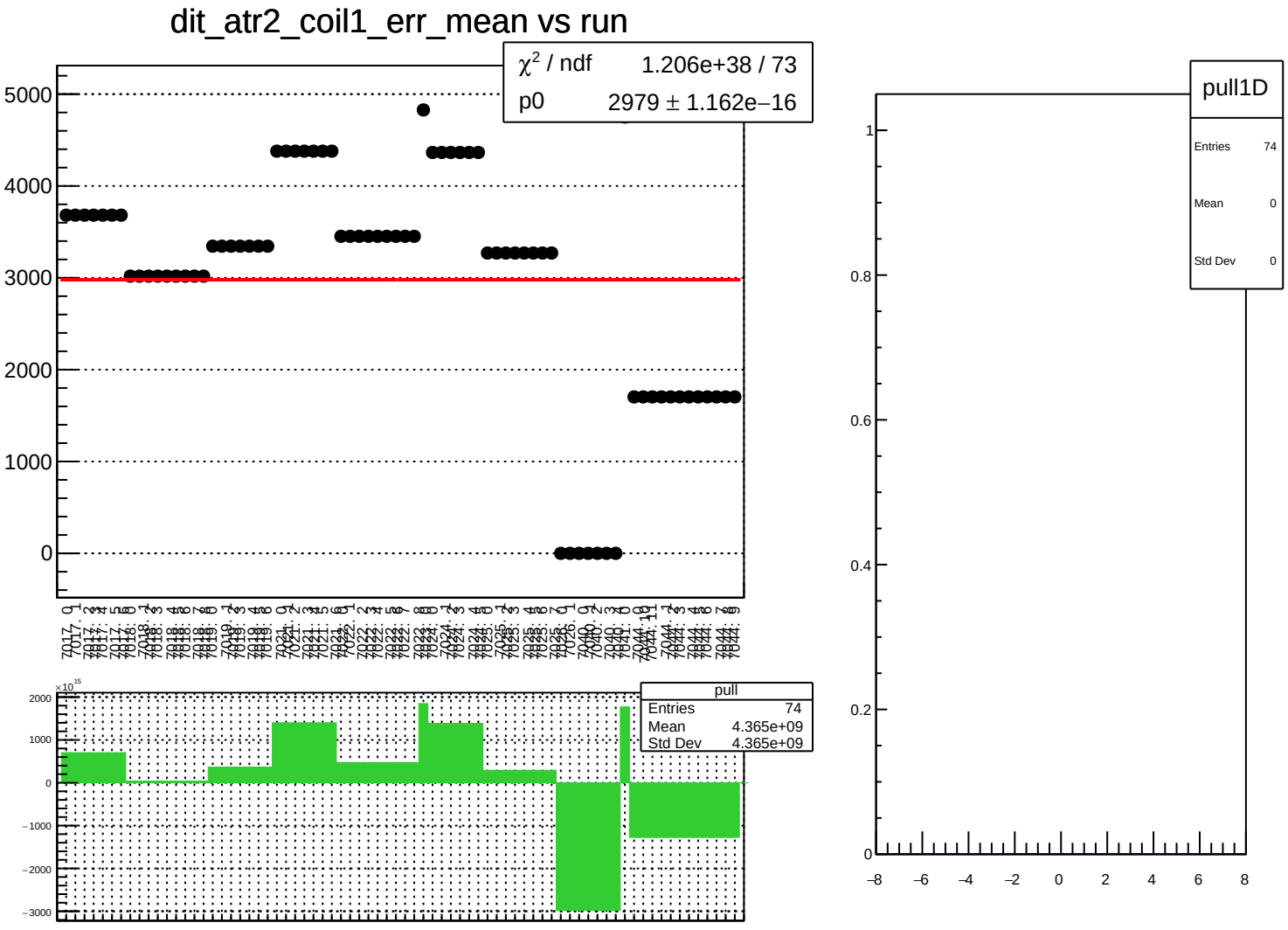

pull1D
Entries 74
Mean 0
Std Dev 0

dit_atr1_coil1_Ndata_mean vs run

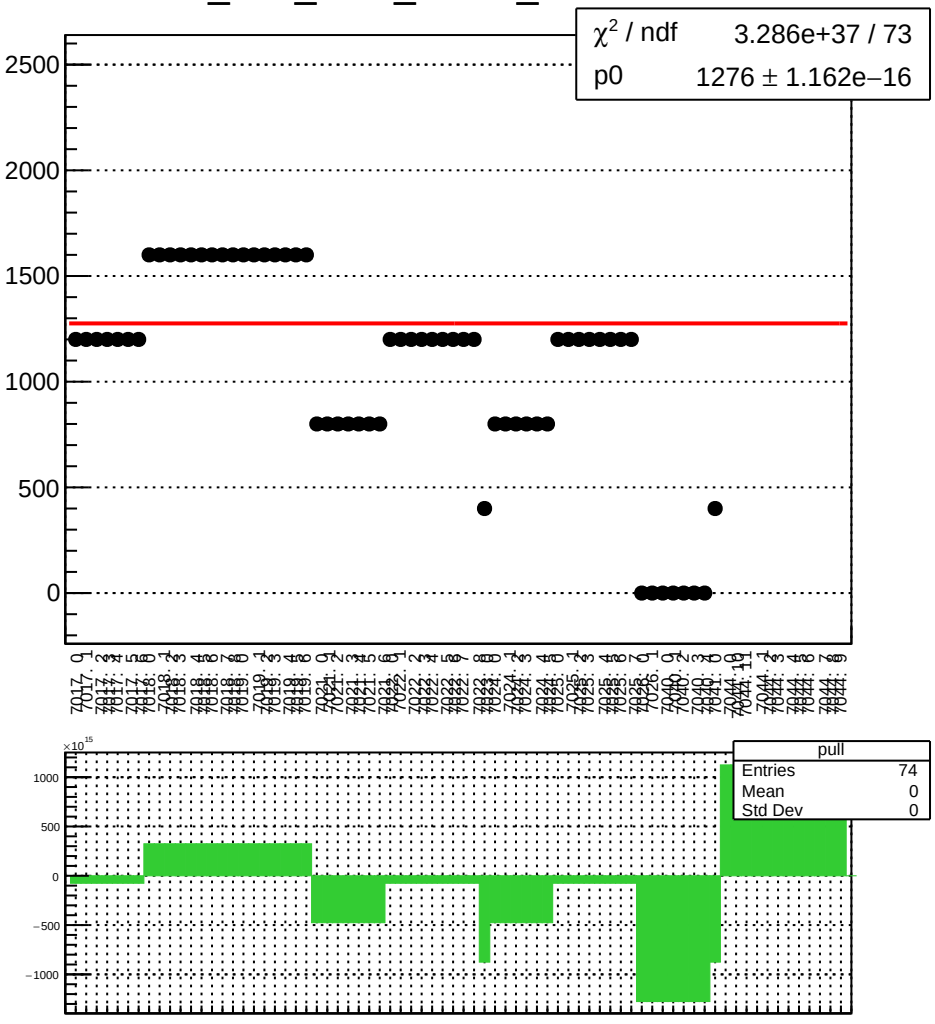


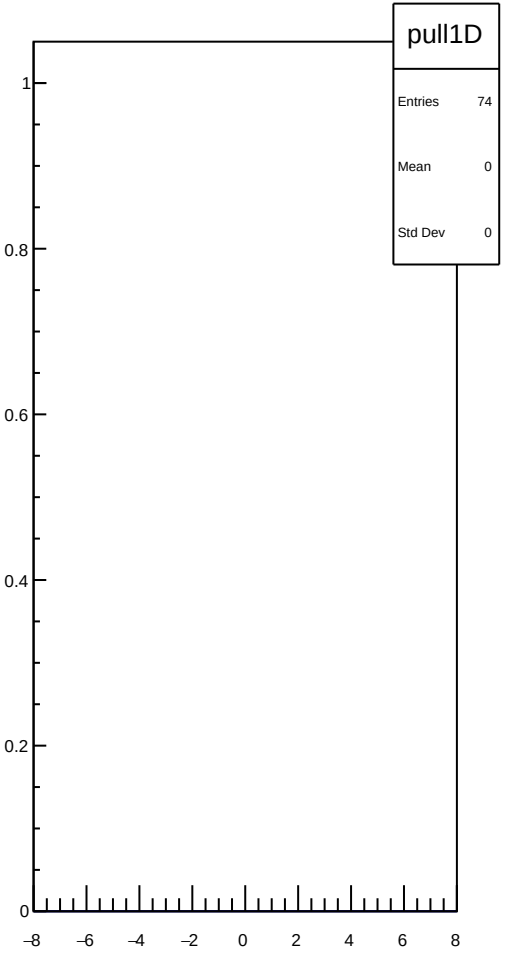


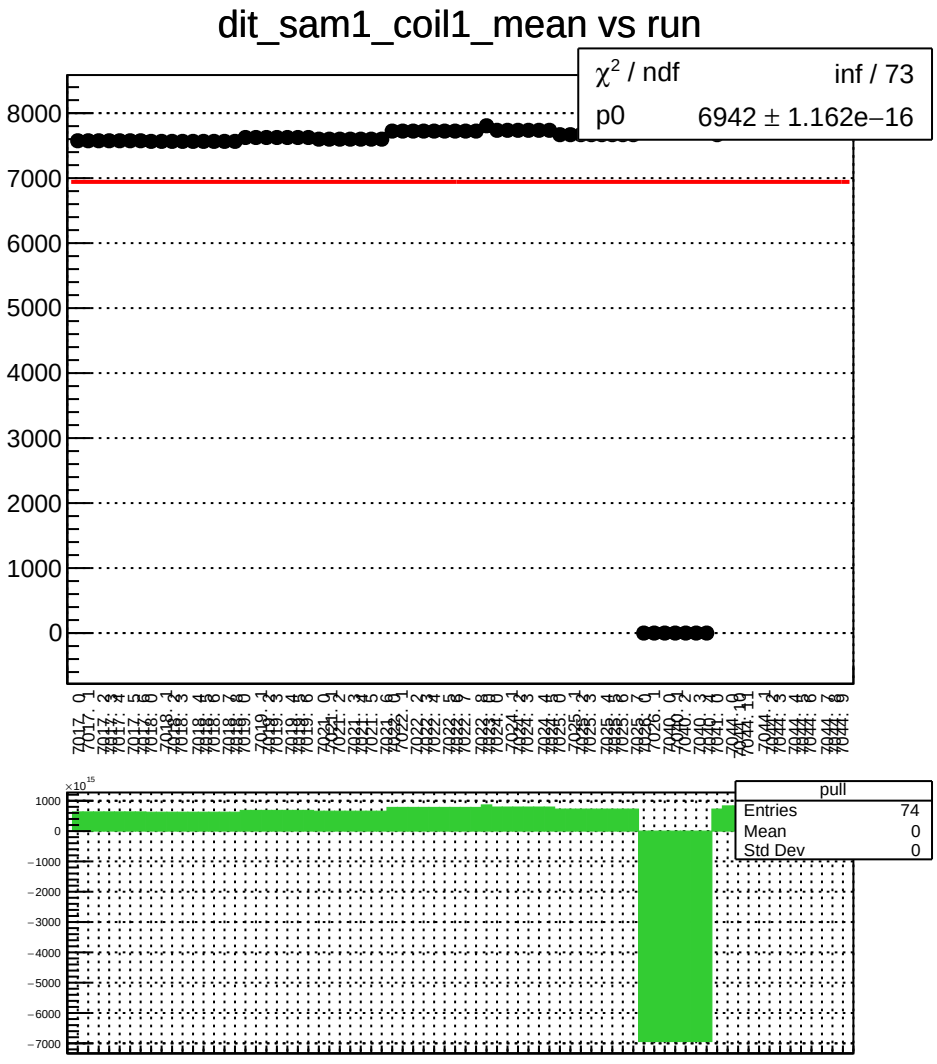

dit_atr2_coil1_mean vs run
χ² / ndf inf / 73
p0 −4.027e+04 ± 1.162e−16
0
−10000
−20000
−30000
−40000
−50000
pull
Entries 74
Mean 6.844e+08
Std Dev 6.844e+08
×10¹⁸
40
30
20
10
0
−10
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

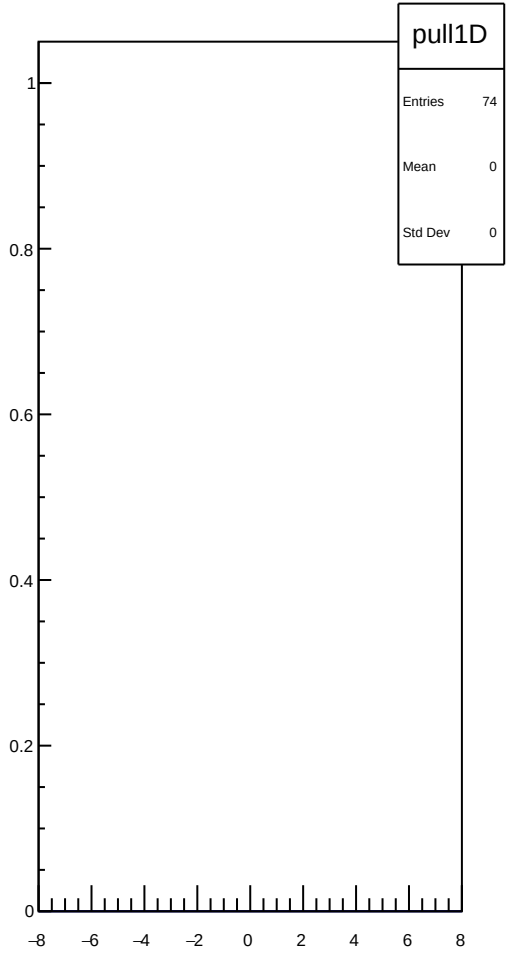

dit_atr2_coil1_err_mean vs run
χ^2 / ndf 1.206e+38 / 73
p0 2979 ± 1.162e−16
pull
Entries 74
Mean 4.365e+09
Std Dev 4.365e+09
pull1D
Entries 74
Mean 0
Std Dev 0

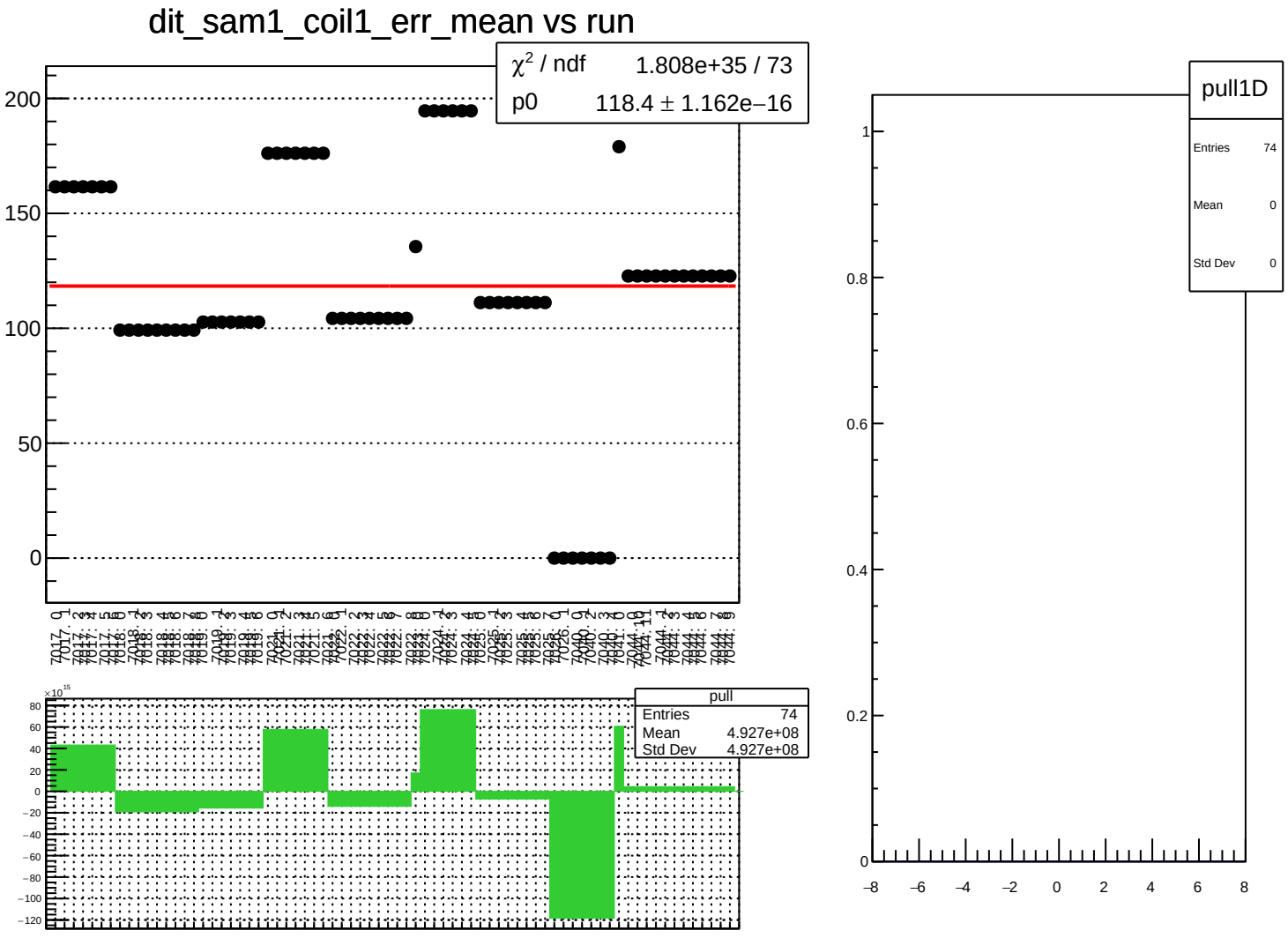
dit_atr2_coil1_Ndata_mean vs run

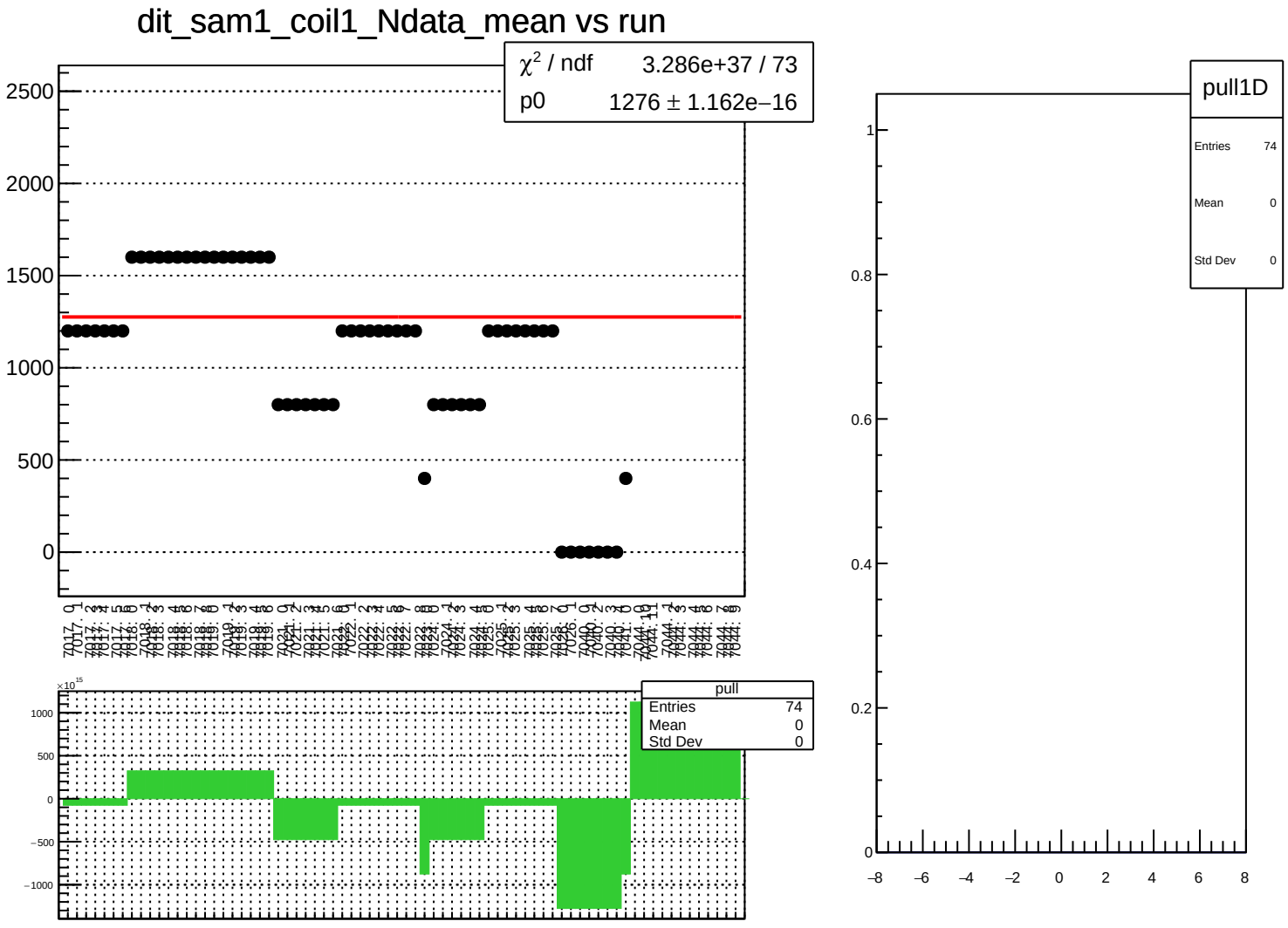


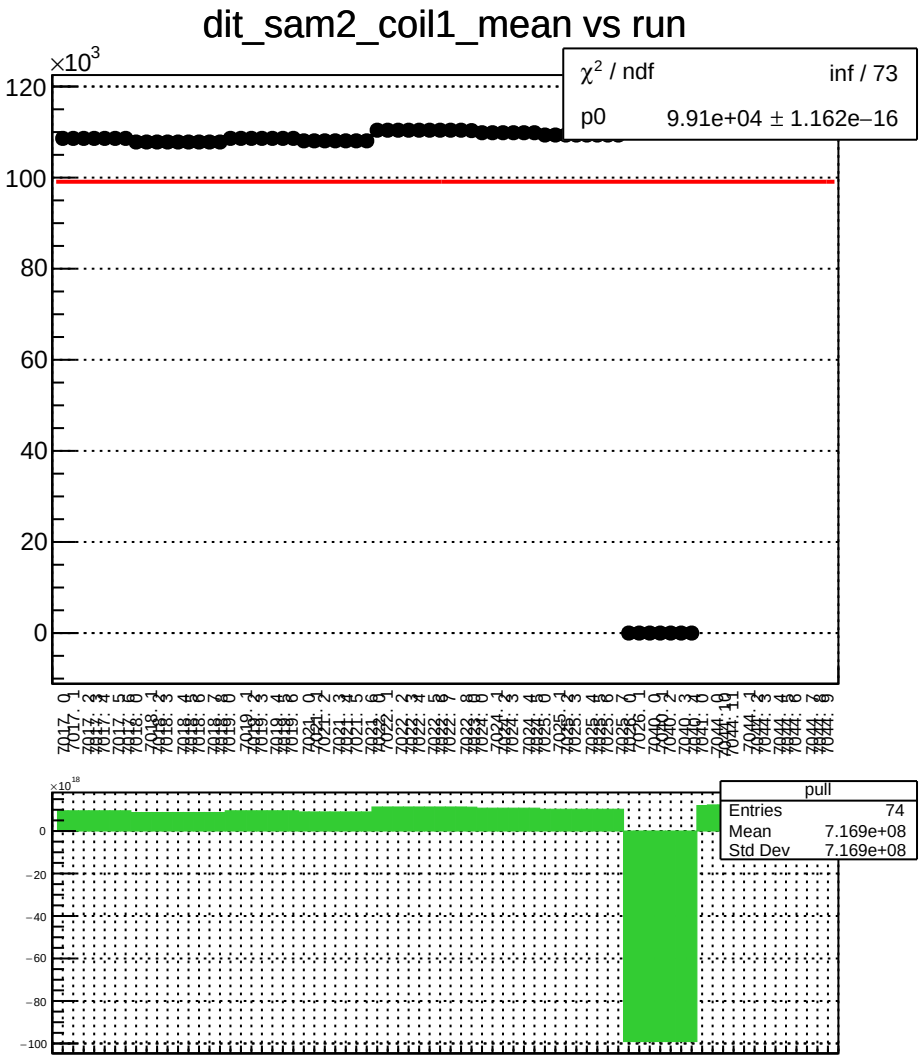


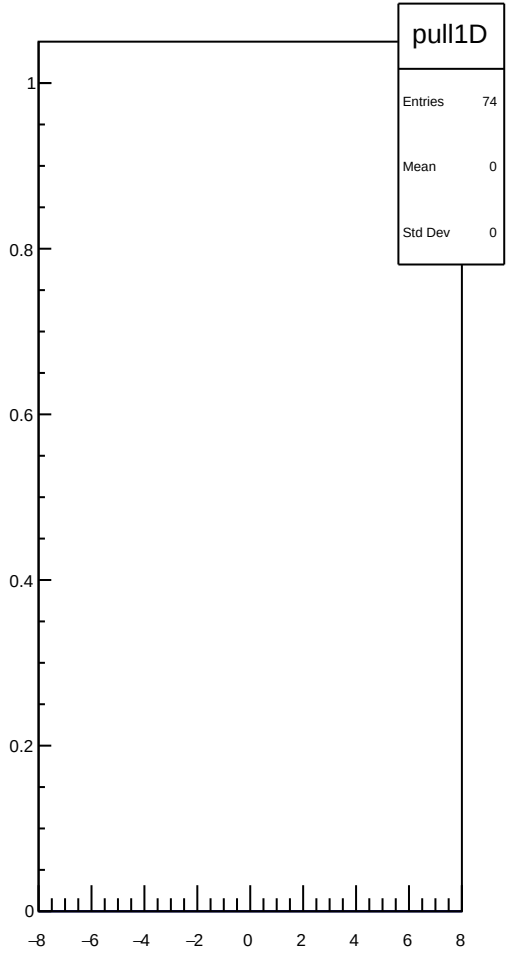

dit_sam1_coil1_mean vs run
χ² / ndf inf / 73
p0 6942 ± 1.162e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean 0
Std Dev 0
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

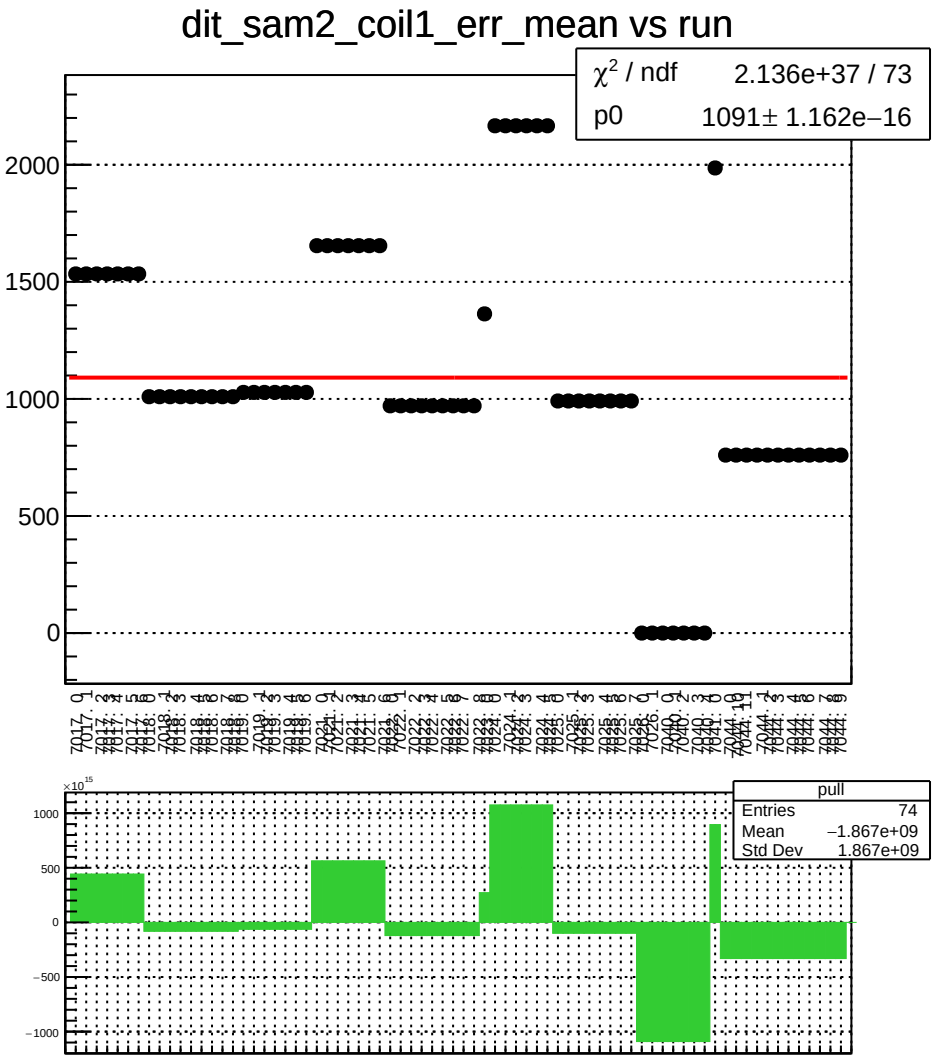

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

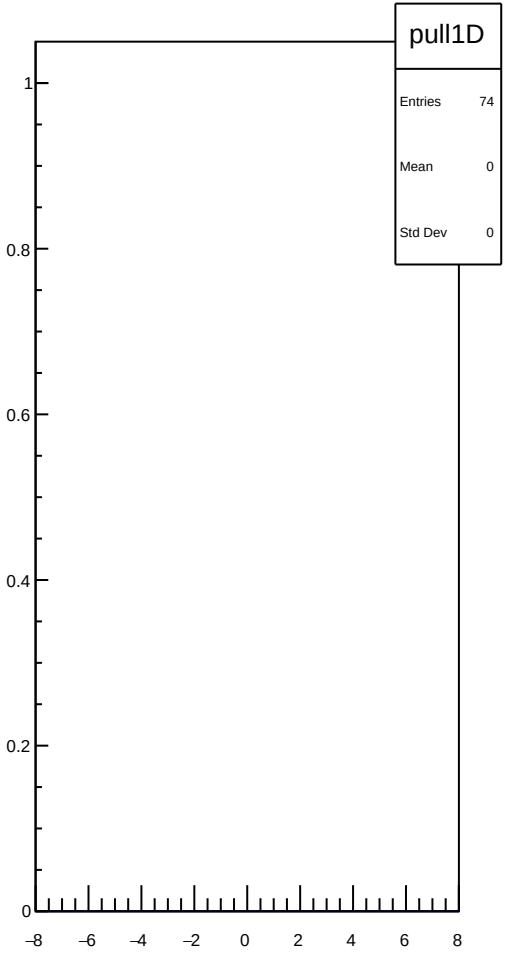

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.808e+35 / 73
p0 118.4 ± 1.162e−16
pull
Entries 74
Mean 4.927e+08
Std Dev 4.927e+08
pull1D
Entries 74
Mean 0
Std Dev 0


dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 3.286e+37 / 73
p0 1276 ± 1.162e−16
pull
Entries 74
Mean 0
Std Dev 0
pull1D
Entries 74
Mean 0
Std Dev 0

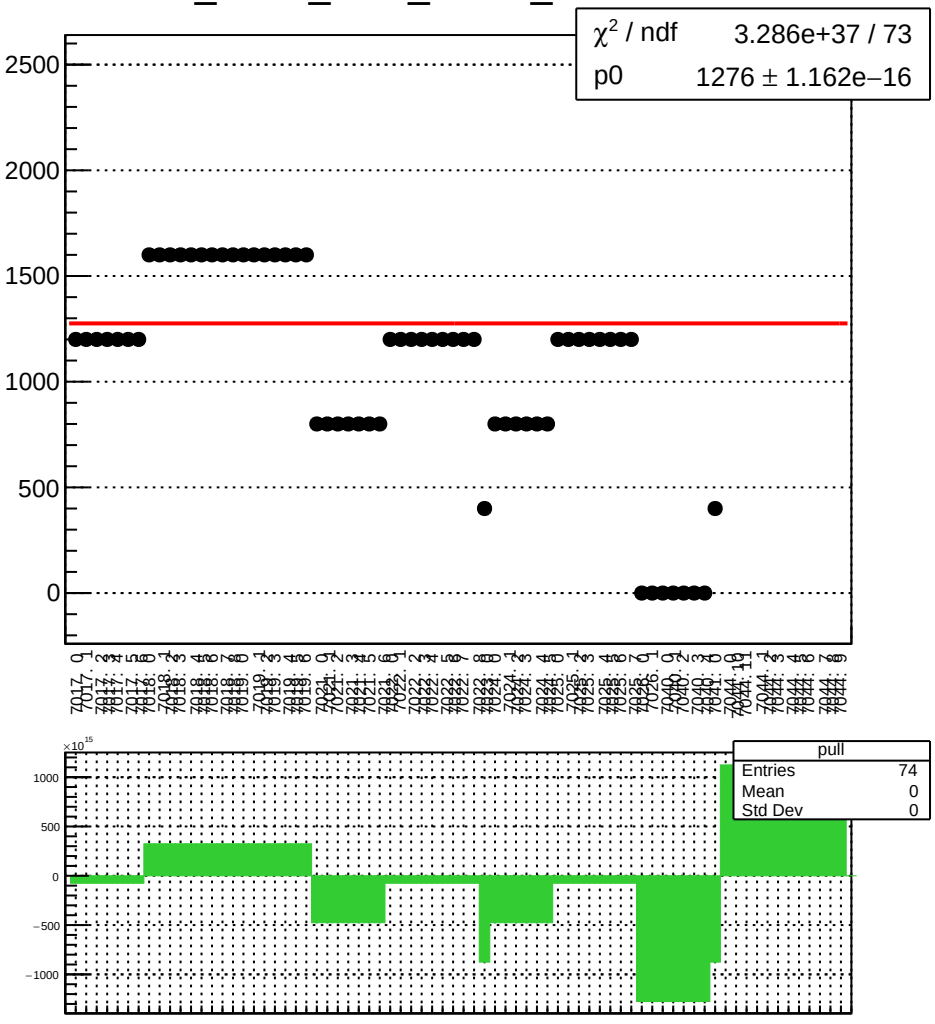

dit_sam2_coil1_mean vs run
χ^2 / ndf inf / 73
p0 9.91e+04 ± 1.162e−16
pull
Entries 74
Mean 7.169e+08
Std Dev 7.169e+08

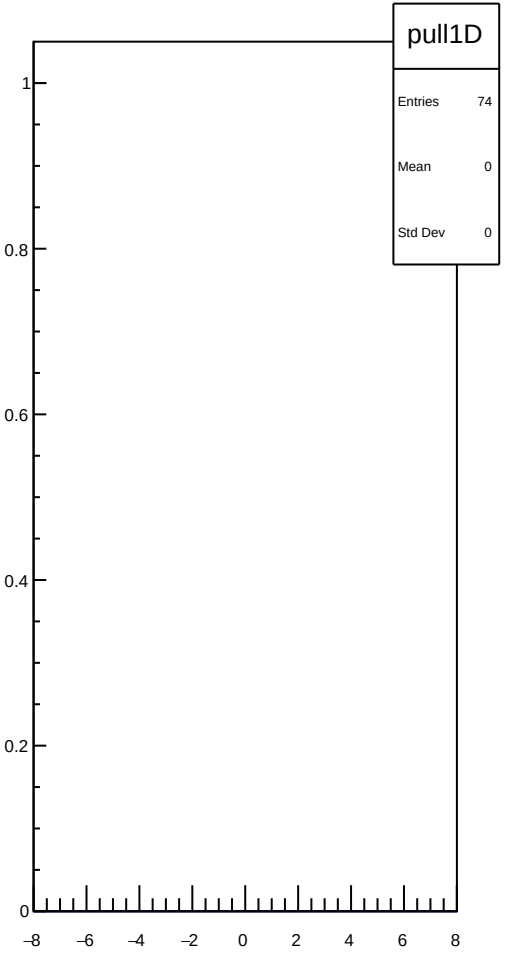

pull1D
Entries 74
Mean 0
Std Dev 0

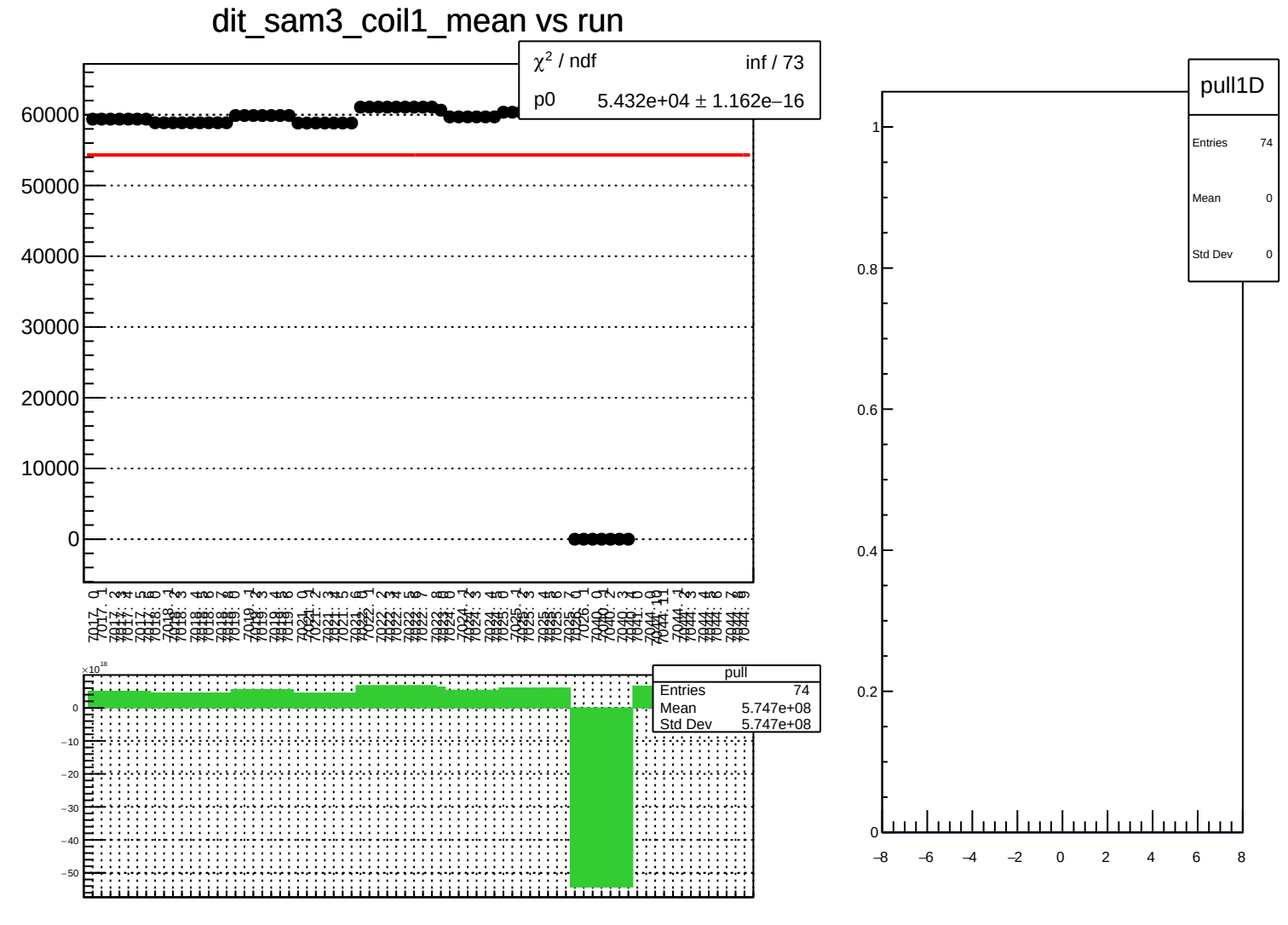

dit_sam2_coil1_err_mean vs run
χ^2 / ndf 2.136e+37 / 73
p0 1091± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean −1.867e+09
Std Dev 1.867e+09
1000
500
0
−500
−1000

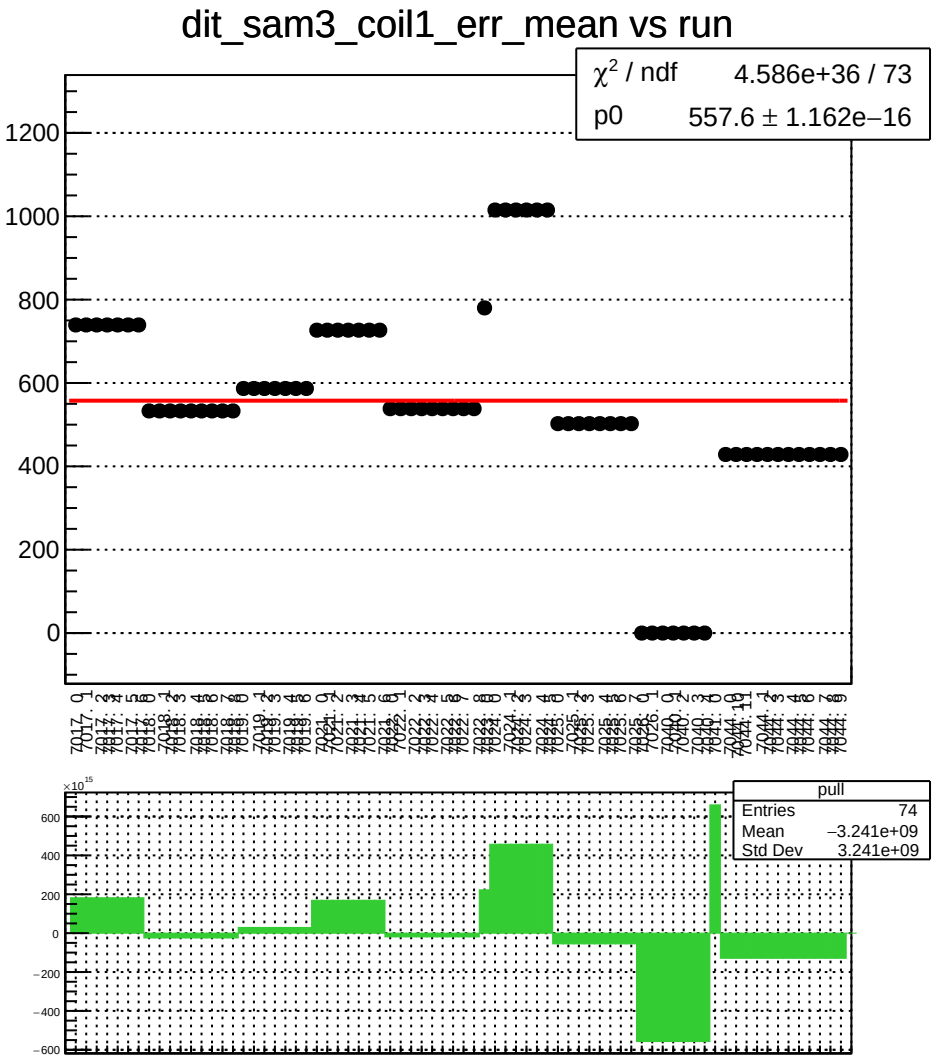

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

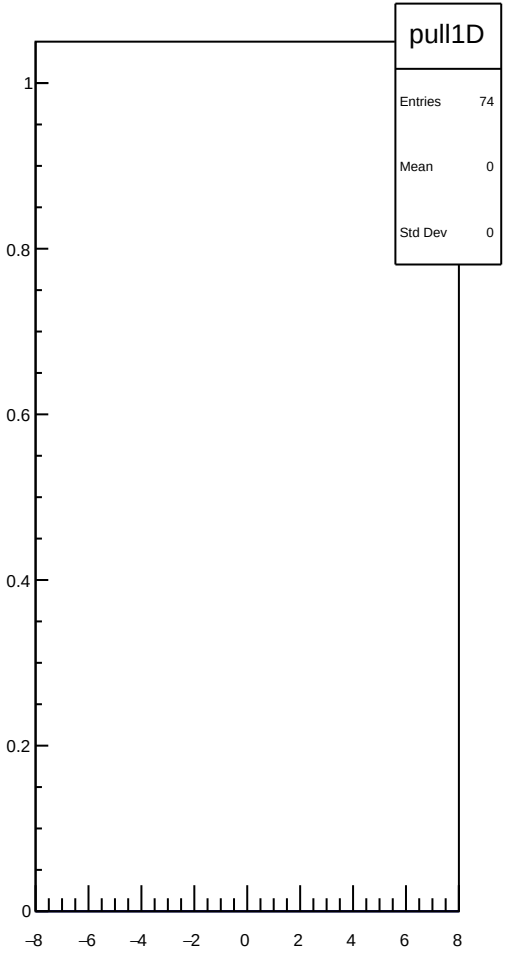
dit_sam2_coil1_Ndata_mean vs run



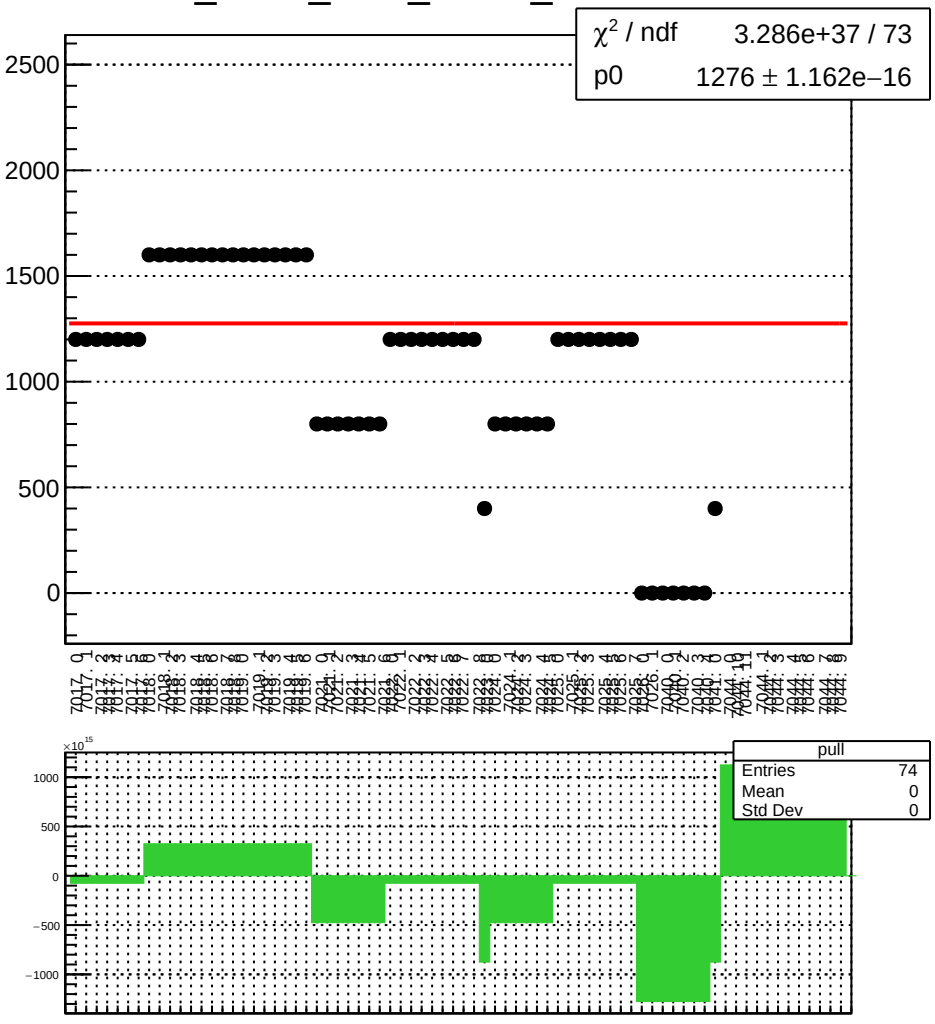


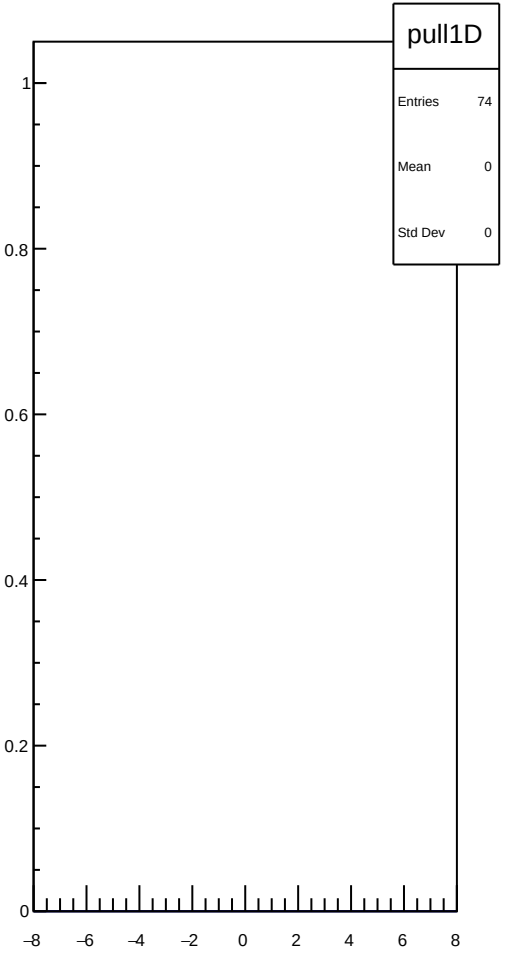

dit_sam3_coil1_mean vs run
χ² / ndf inf / 73
p0 5.432e+04 ± 1.162e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 74
Mean 5.747e+08
Std Dev 5.747e+08
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

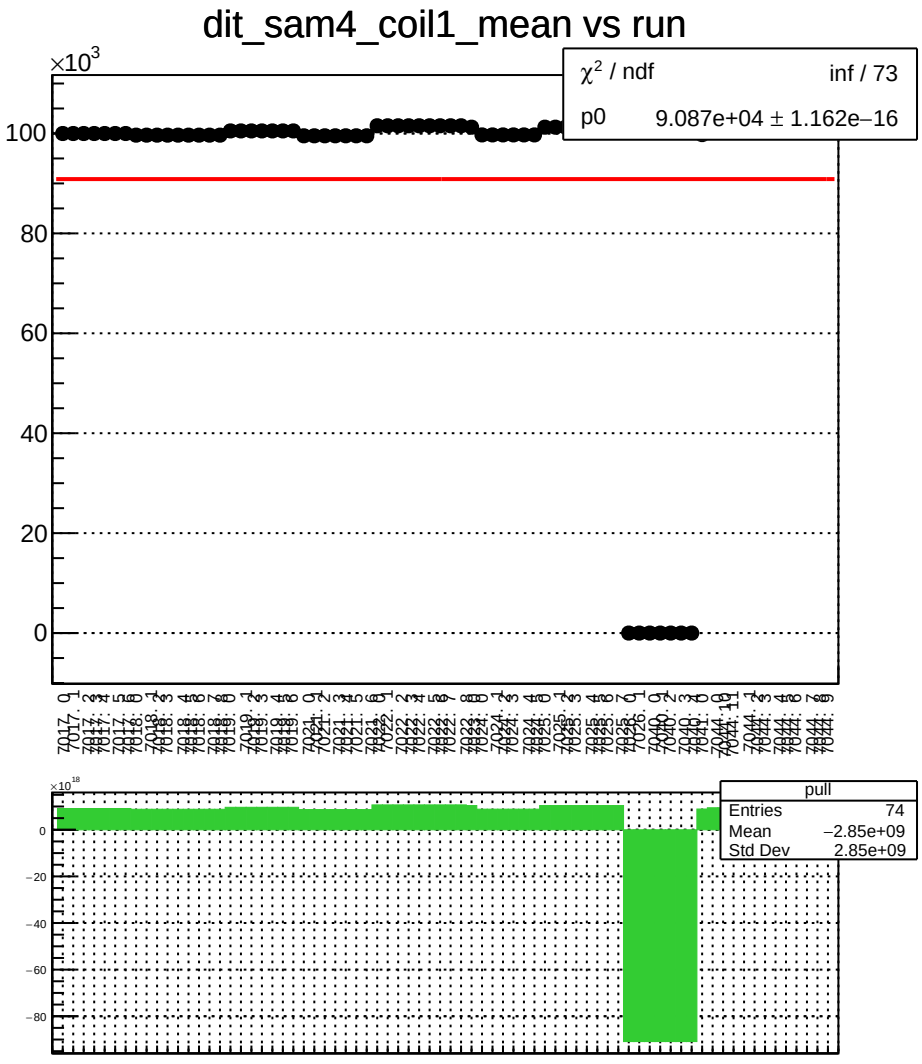

dit_sam3_coil1_err_mean vs run
χ² / ndf 4.586e+36 / 73
p0 557.6 ± 1.162e−16
1200
1000
800
600
400
200
0
pull
Entries 74
Mean −3.241e+09
Std Dev 3.241e+09
×10¹⁵
600
400
200
0
−200
−400
−600

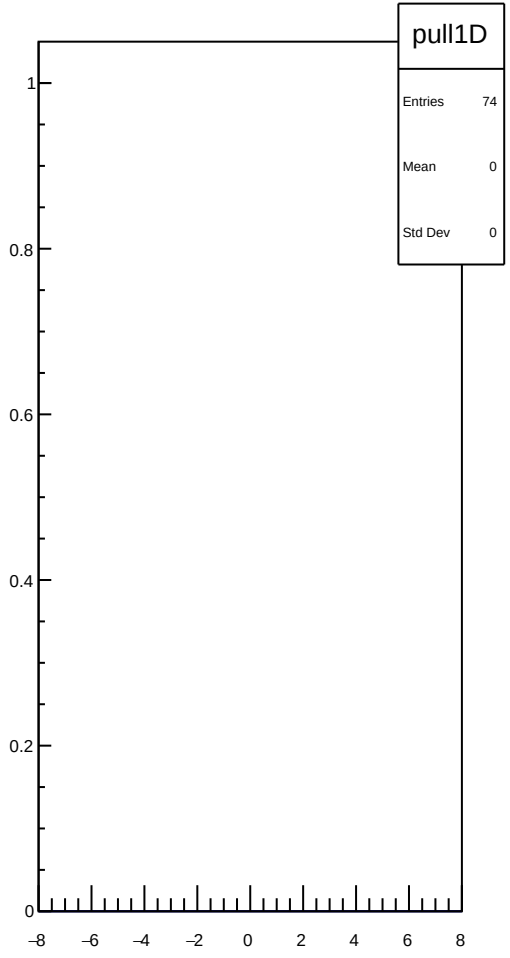

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

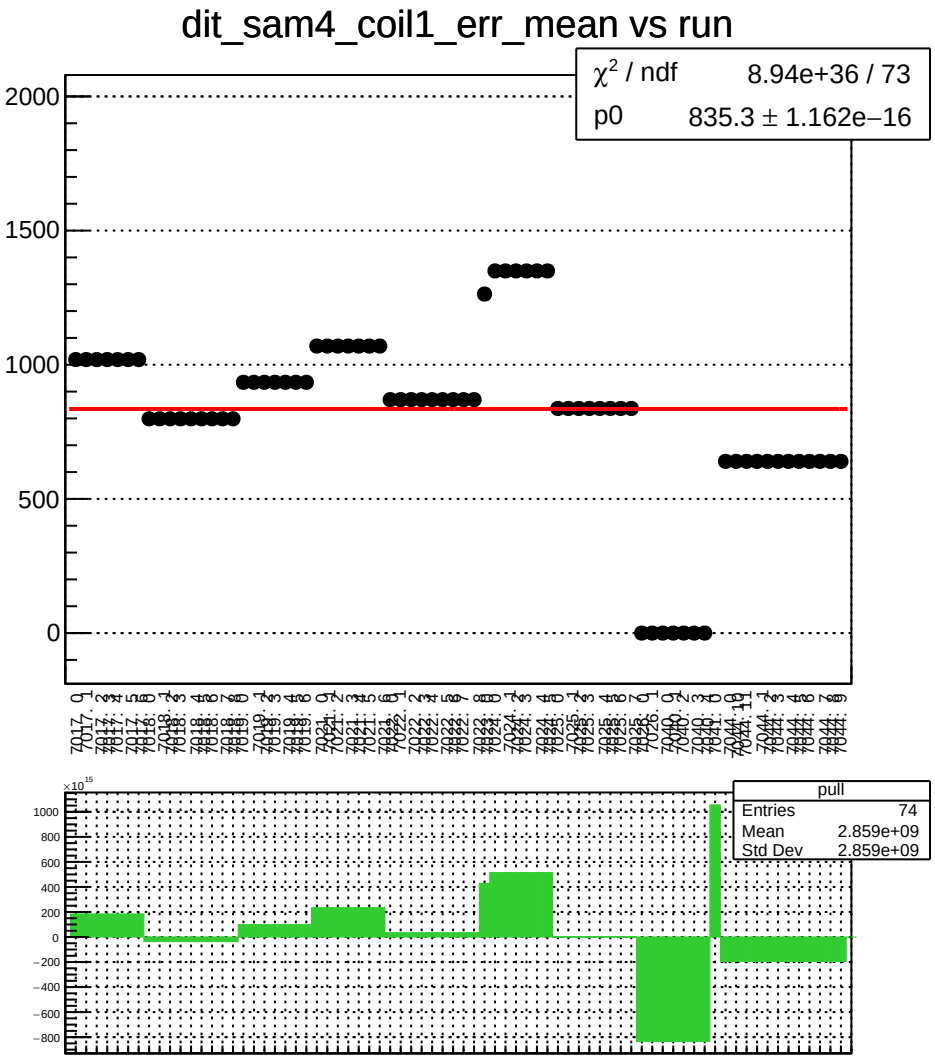
dit_sam3_coil1_Ndata_mean vs run

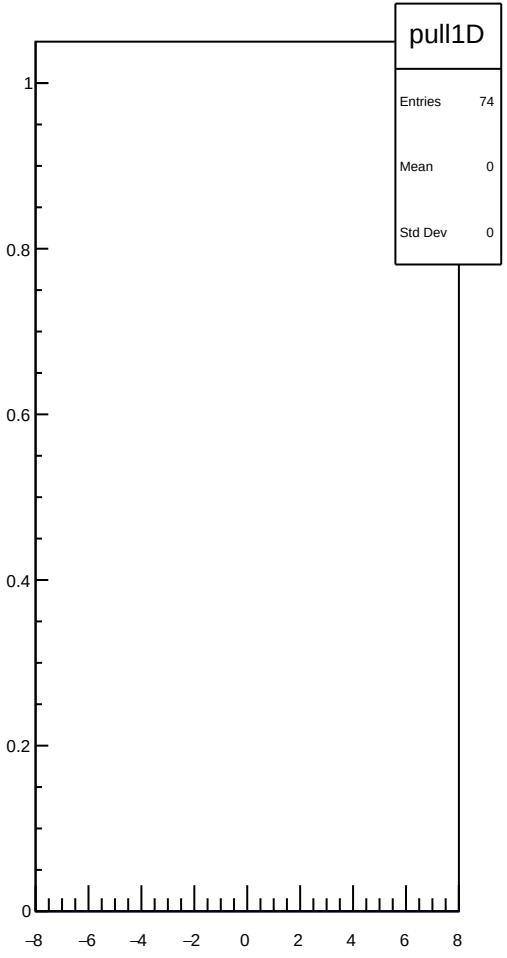




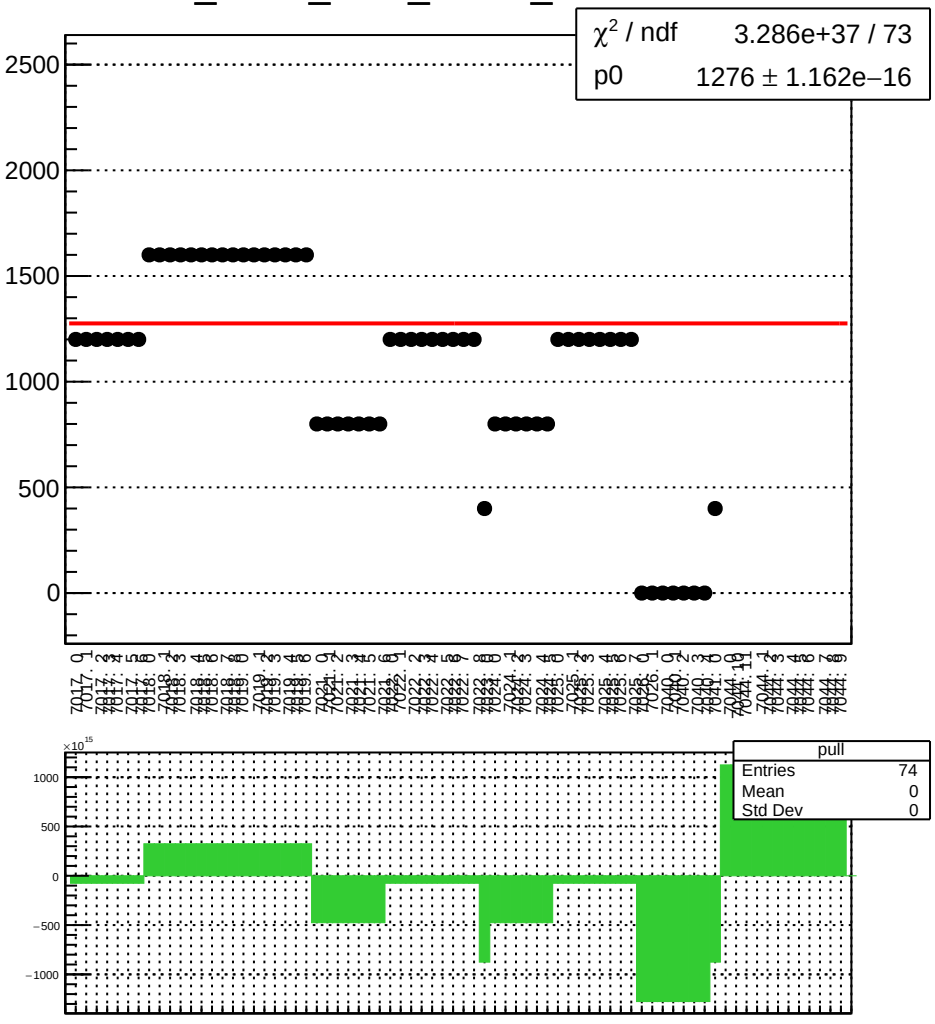

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 73
p0 9.087e+04 ± 1.162e−16
100
80
60
40
20
0
pull
Entries 74
Mean −2.85e+09
Std Dev 2.85e+09
×10^18
0
−20
−40
−60
−80

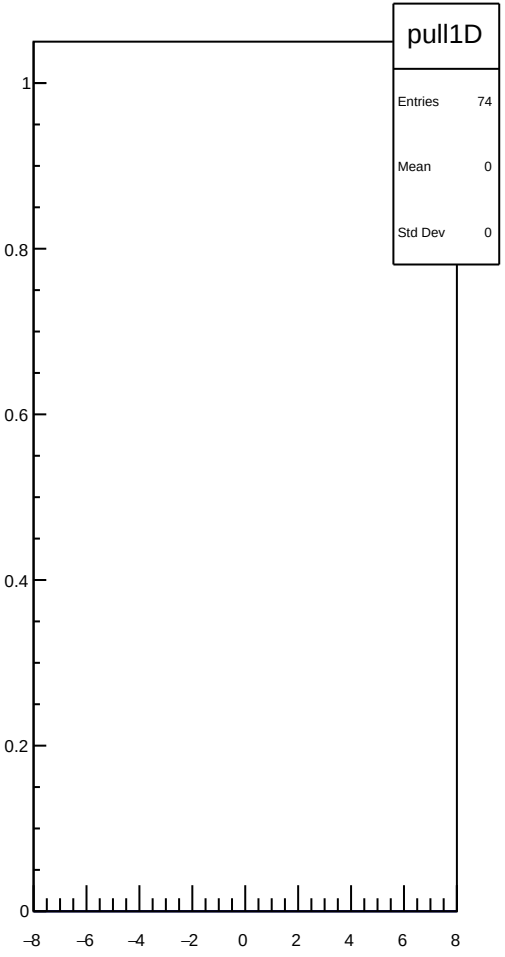

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

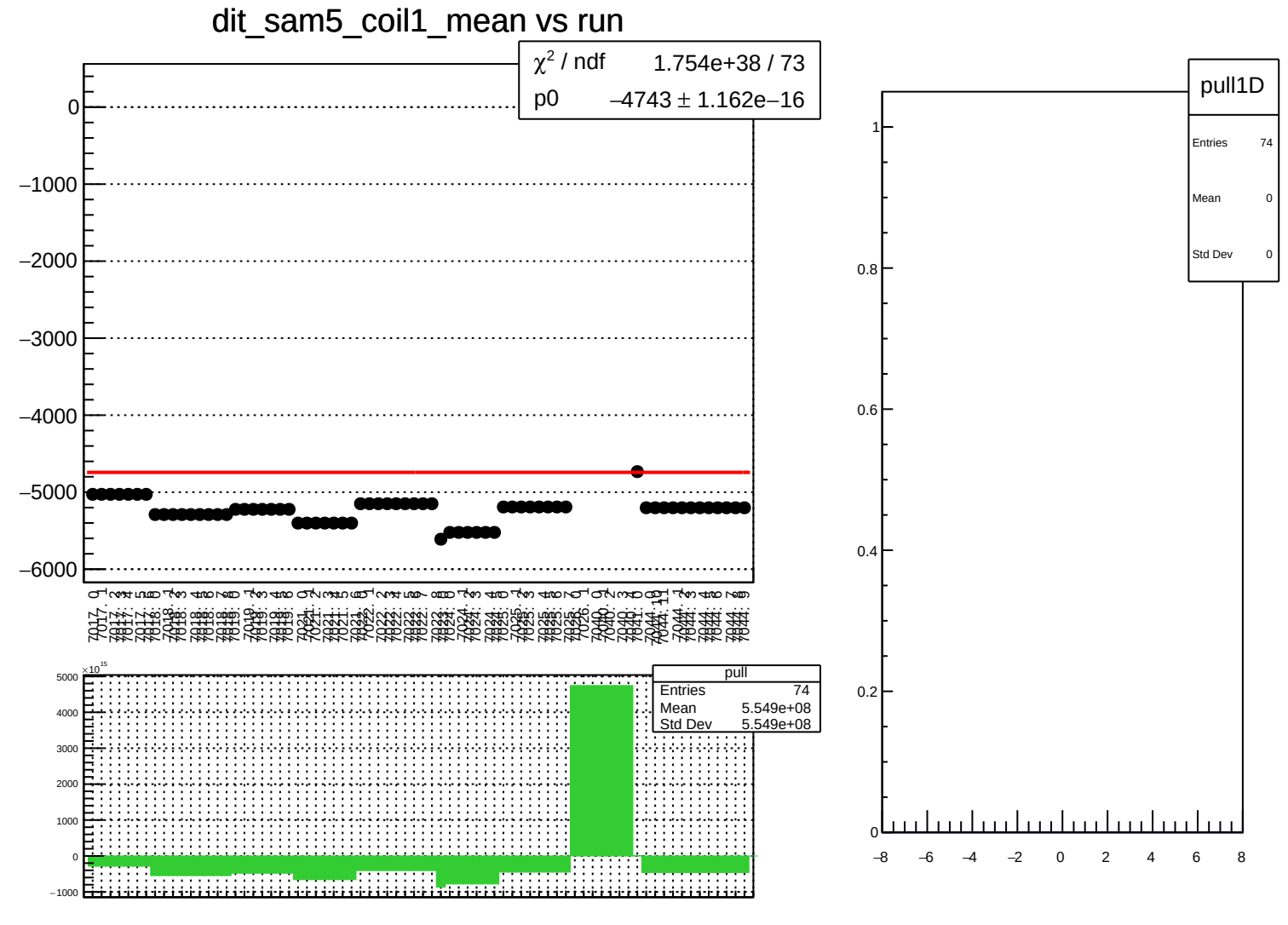

dit_sam4_coil1_err_mean vs run
χ² / ndf 8.94e+36 / 73
p0 835.3 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.859e+09
Std Dev 2.859e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

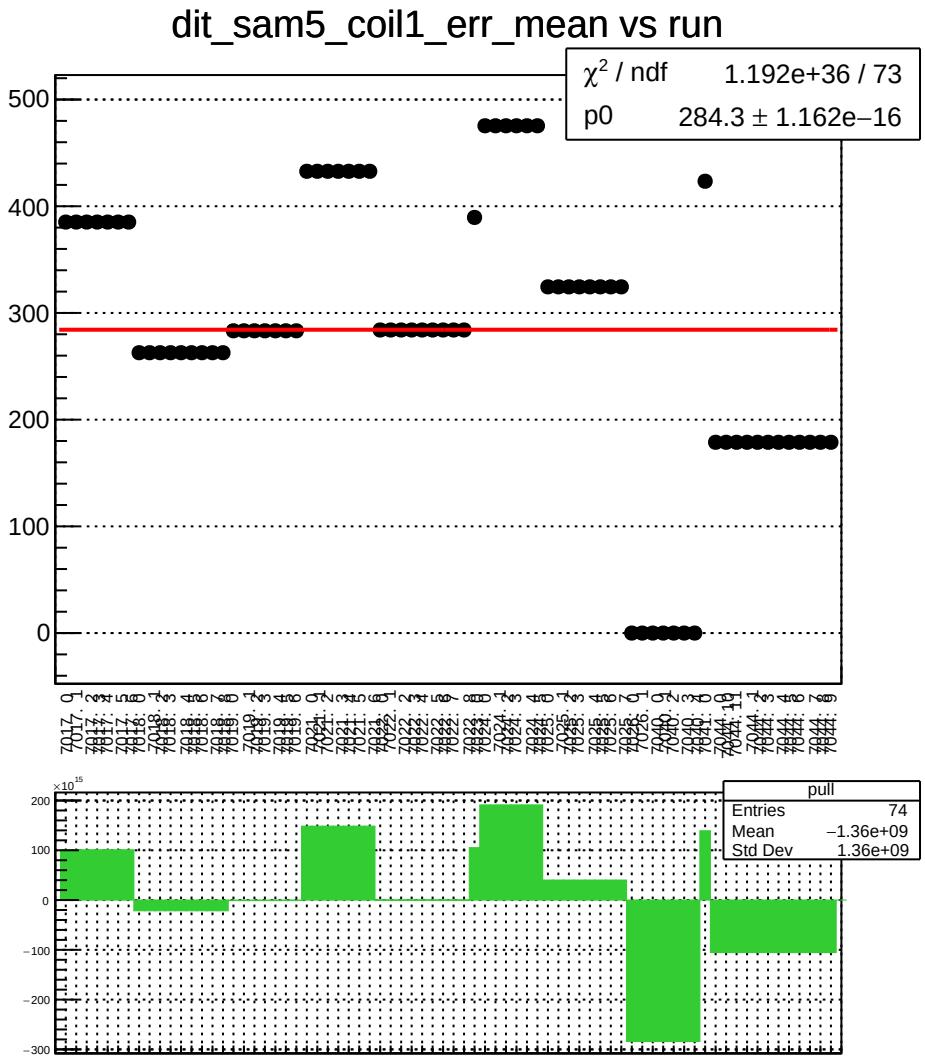

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

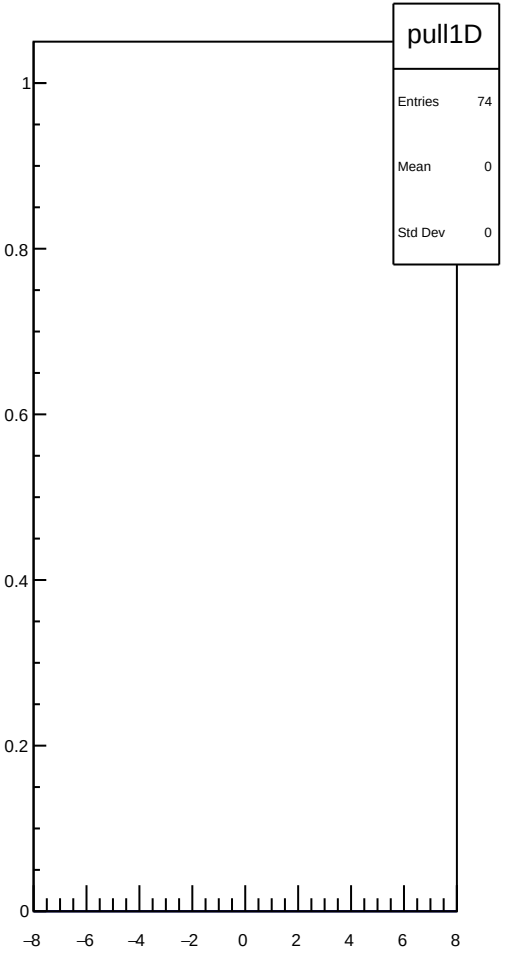
dit_sam4_coil1_Ndata_mean vs run



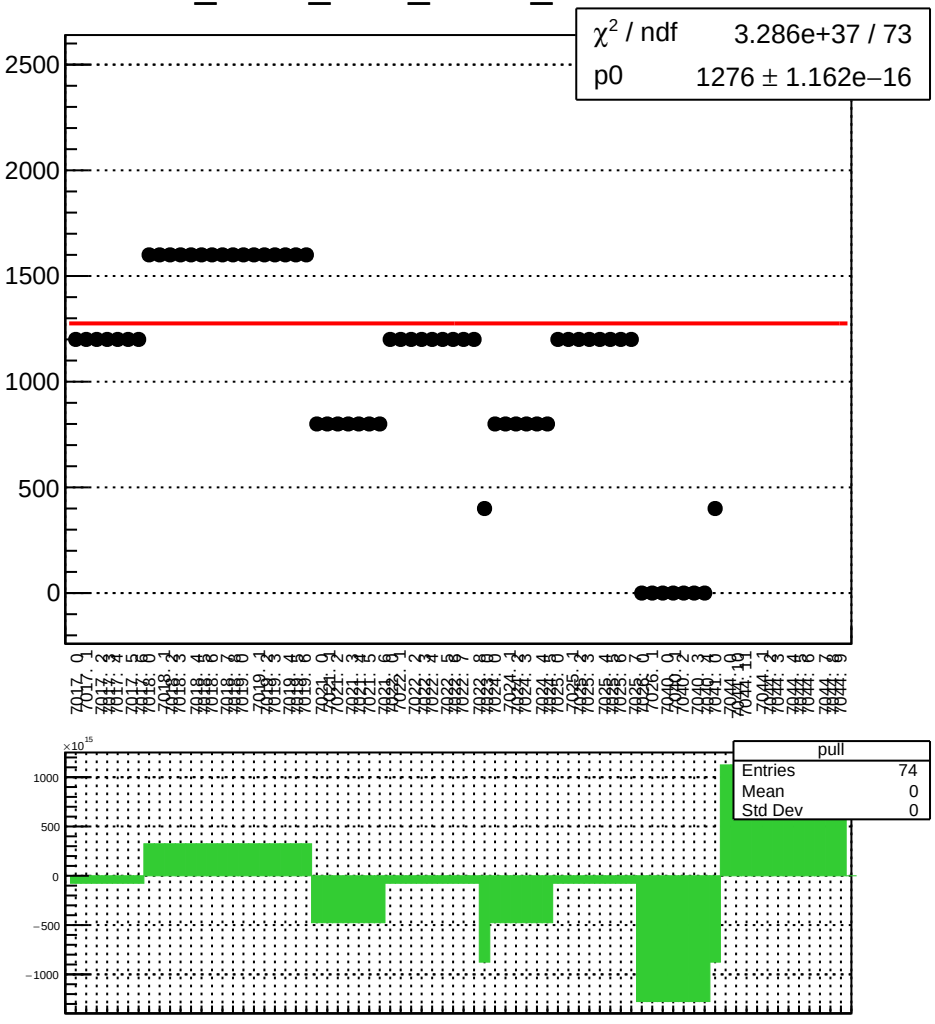


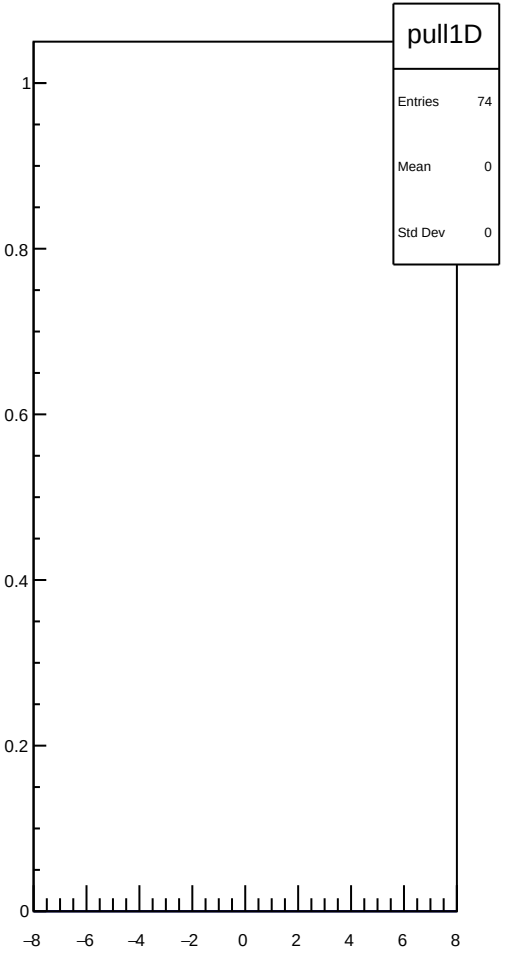

dit_sam5_coil1_mean vs run
χ² / ndf 1.754e+38 / 73
p0 –4743 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 74
Mean 5.549e+08
Std Dev 5.549e+08
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

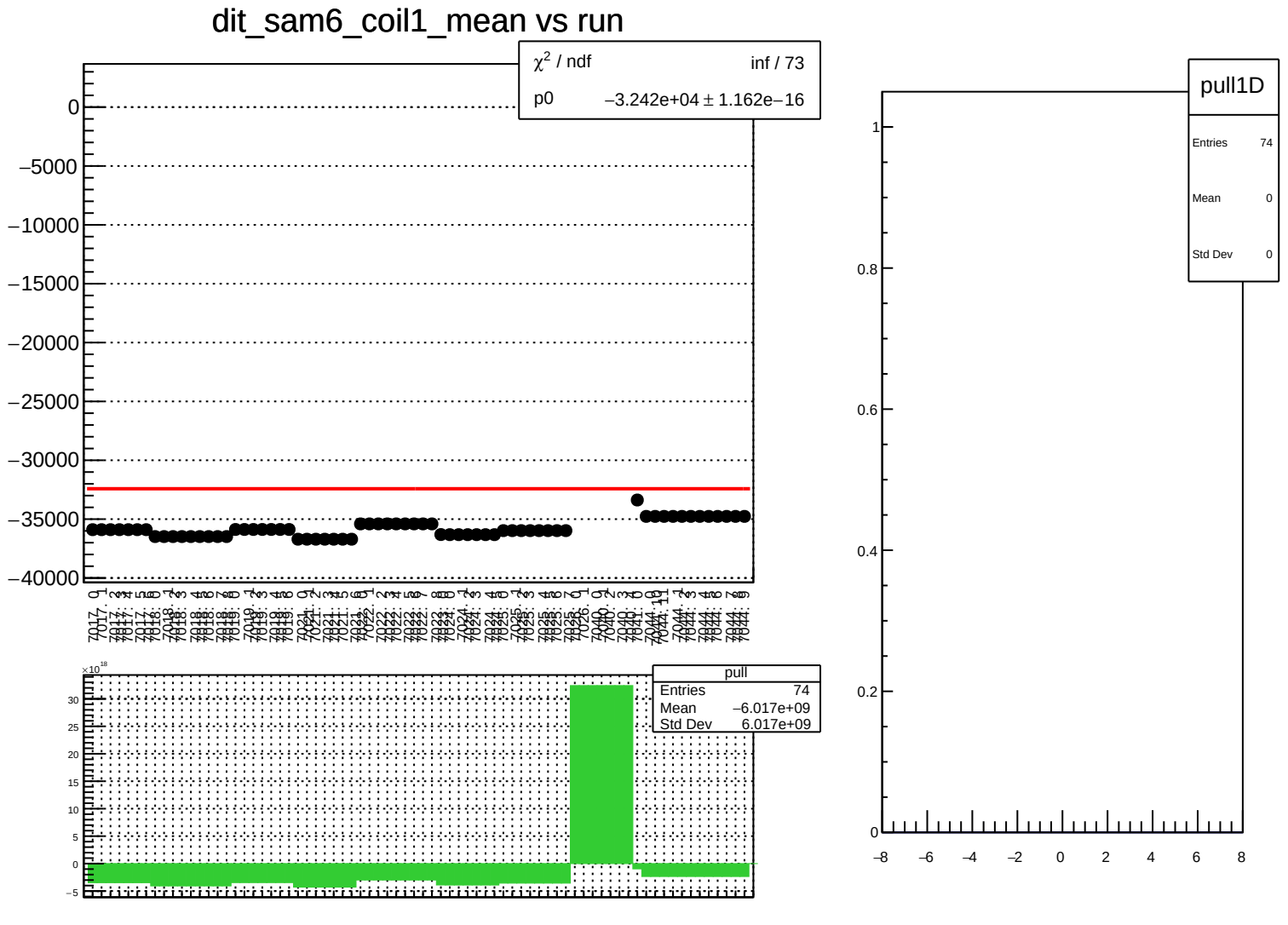

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.192e+36 / 73
p0 284.3 ± 1.162e−16
pull
Entries 74
Mean −1.36e+09
Std Dev 1.36e+09

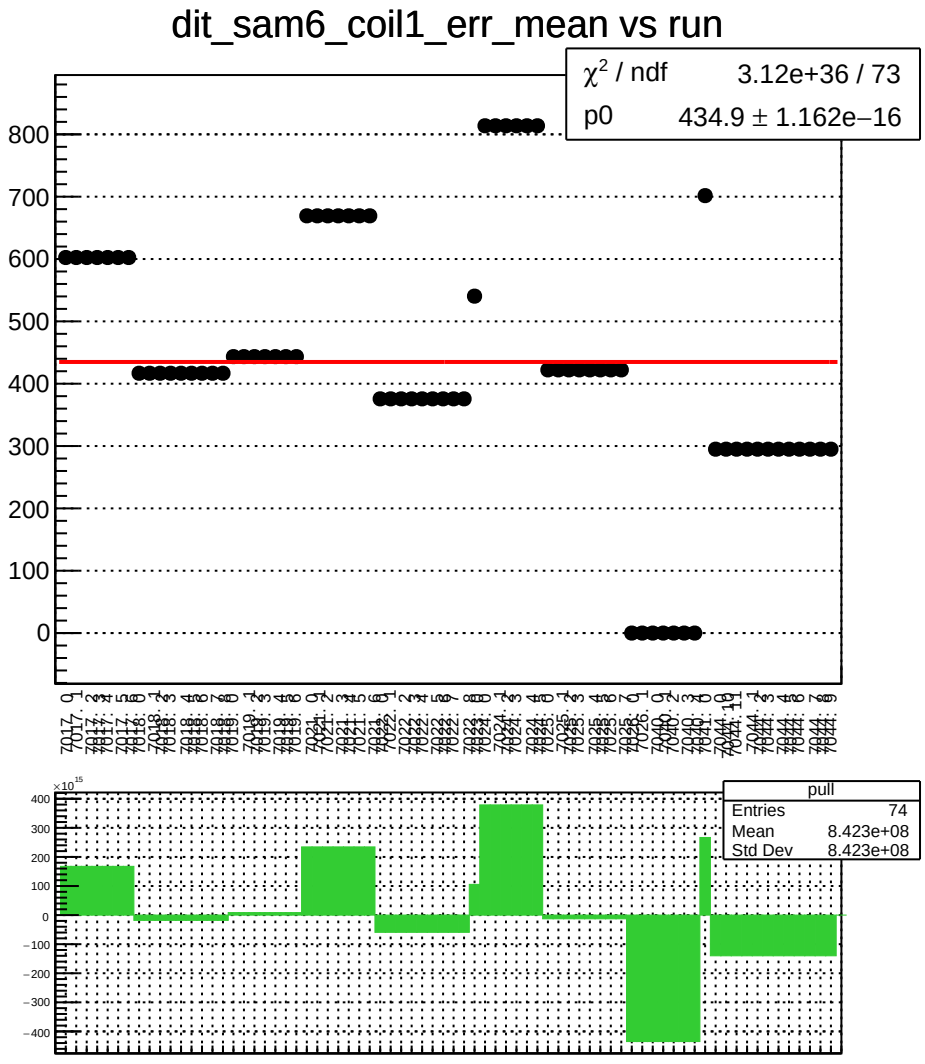

pull1D
Entries 74
Mean 0
Std Dev 0

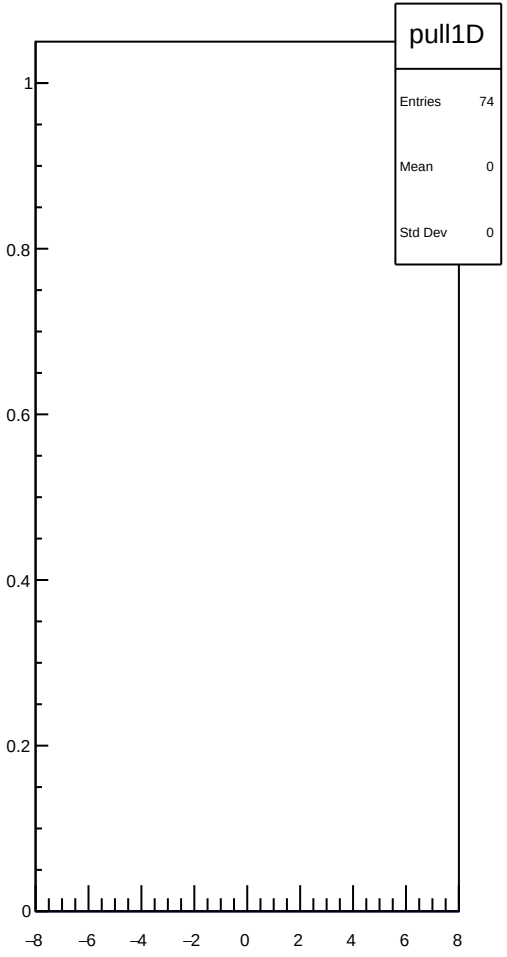
dit_sam5_coil1_Ndata_mean vs run



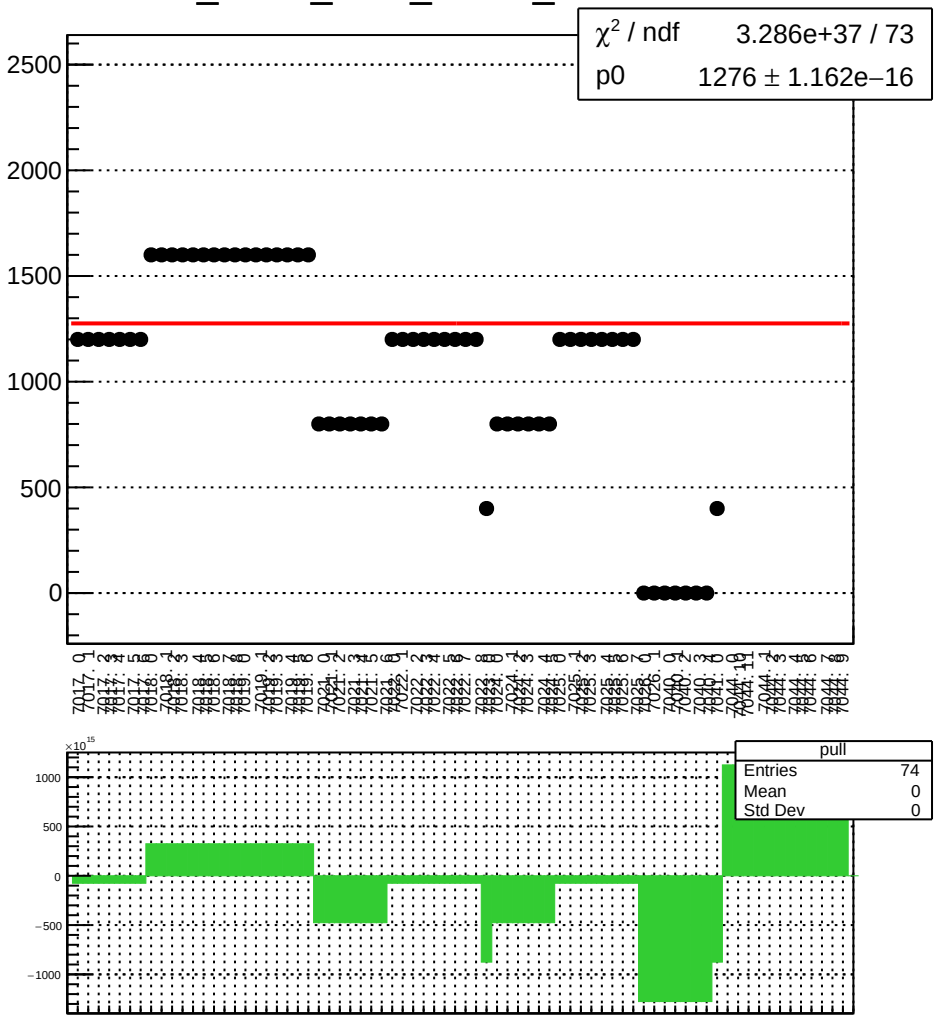


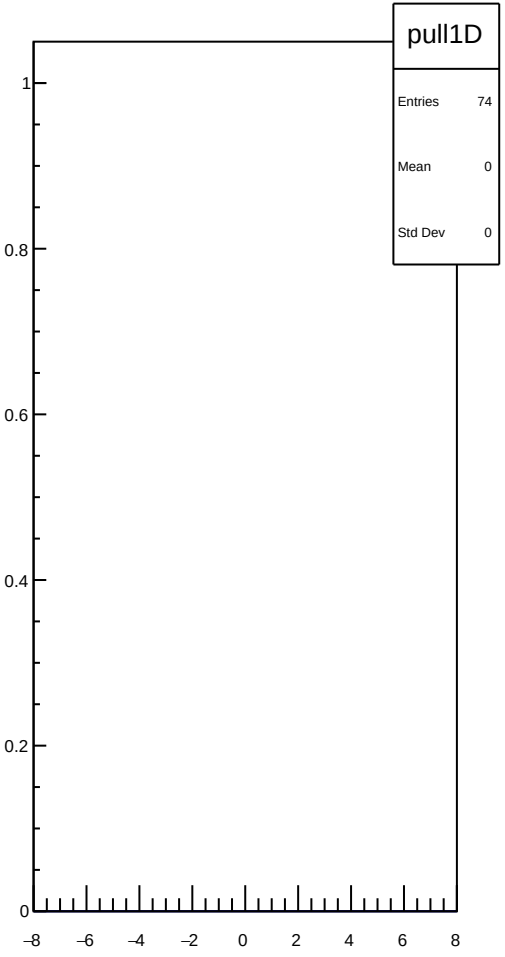

dit_sam6_coil1_mean vs run
χ² / ndf inf / 73
p0 −3.242e+04 ± 1.162e−16
pull
Entries 74
Mean −6.017e+09
Std Dev 6.017e+09
pull1D
Entries 74
Mean 0
Std Dev 0

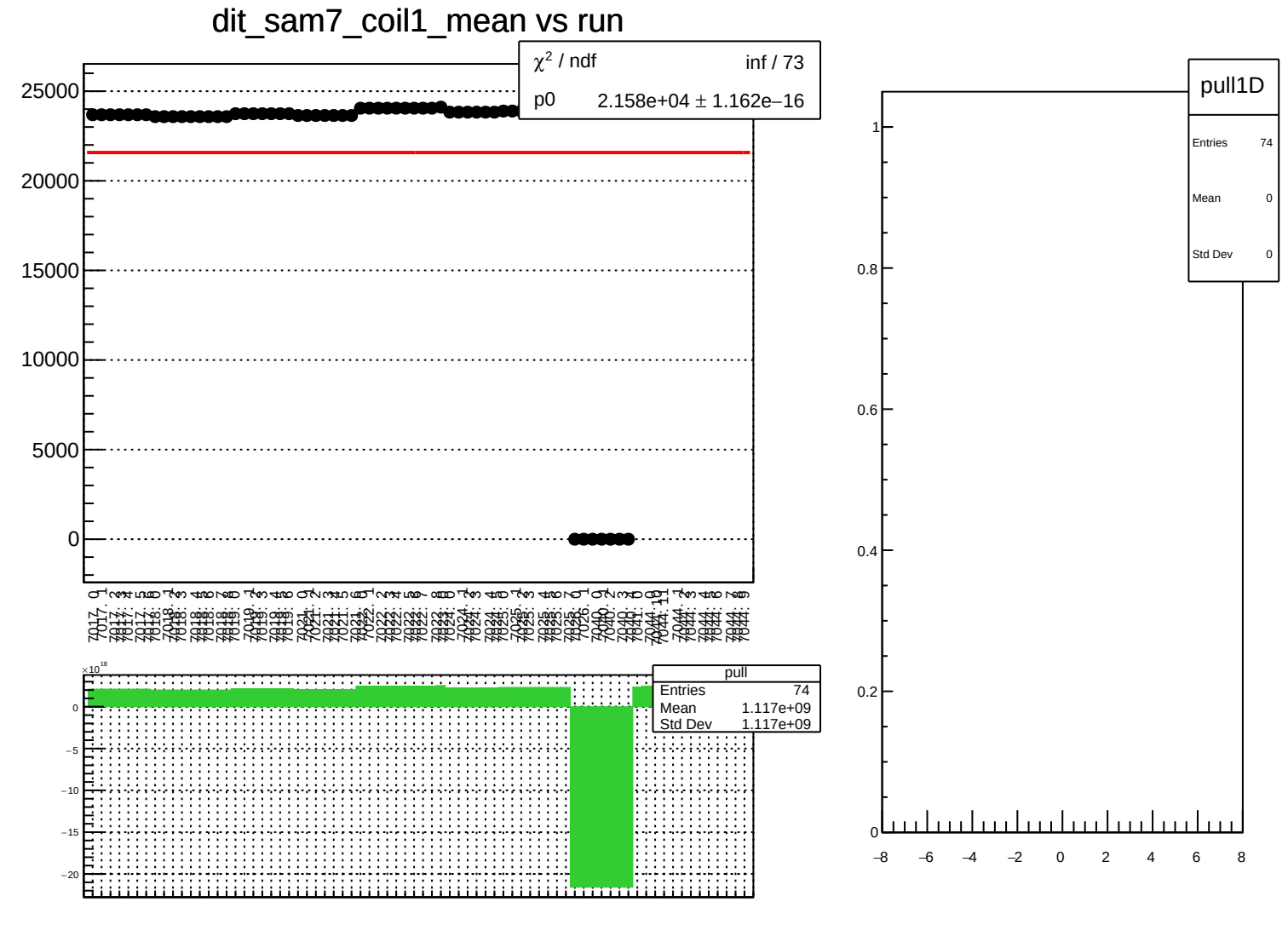

dit_sam6_coil1_err_mean vs run
χ² / ndf 3.12e+36 / 73
p0 434.9 ± 1.162e−16
pull
Entries 74
Mean 8.423e+08
Std Dev 8.423e+08

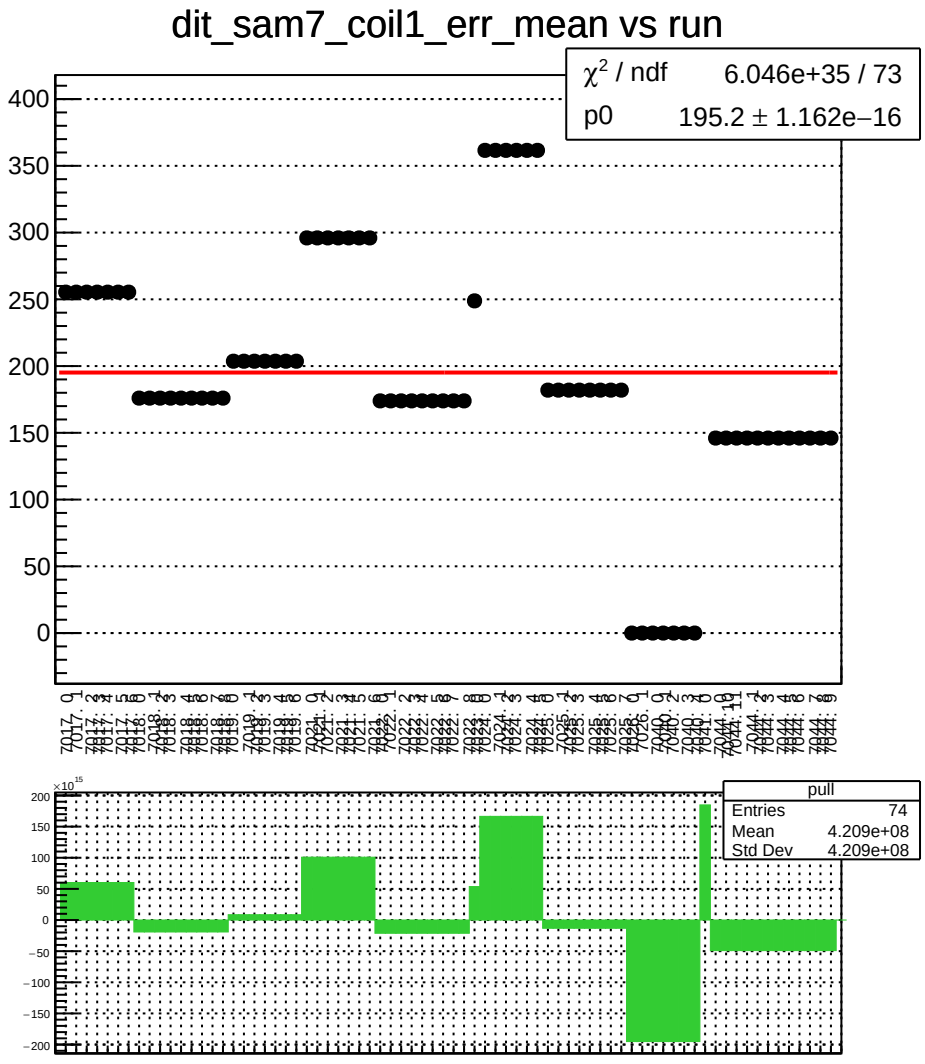

pull1D
Entries 74
Mean 0
Std Dev 0

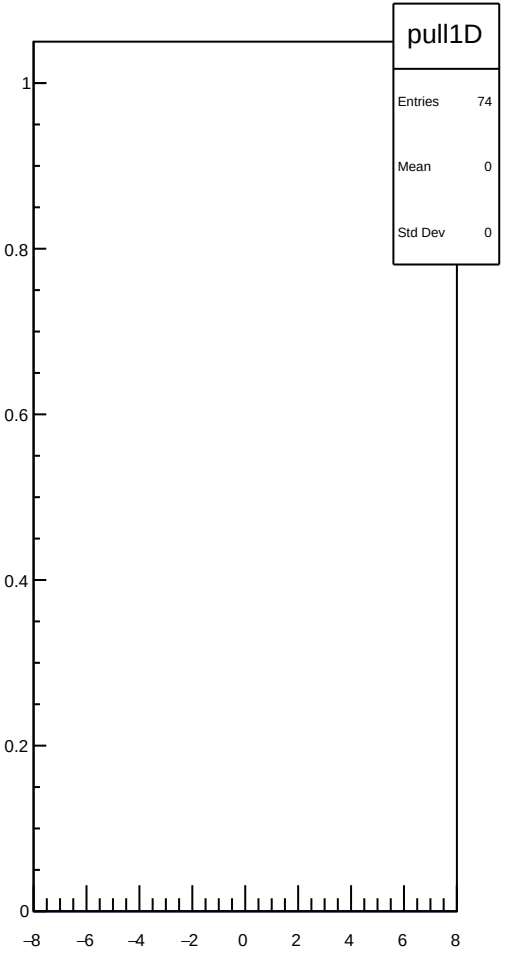
dit_sam6_coil1_Ndata_mean vs run



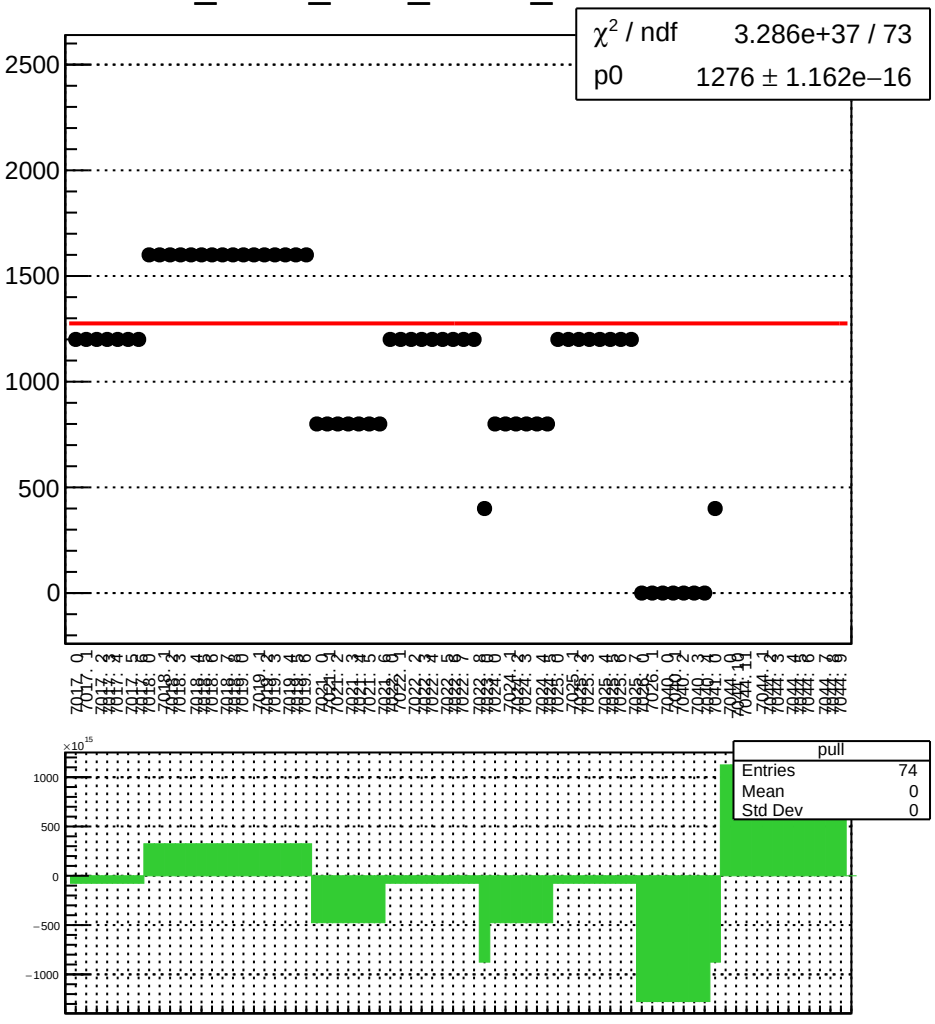


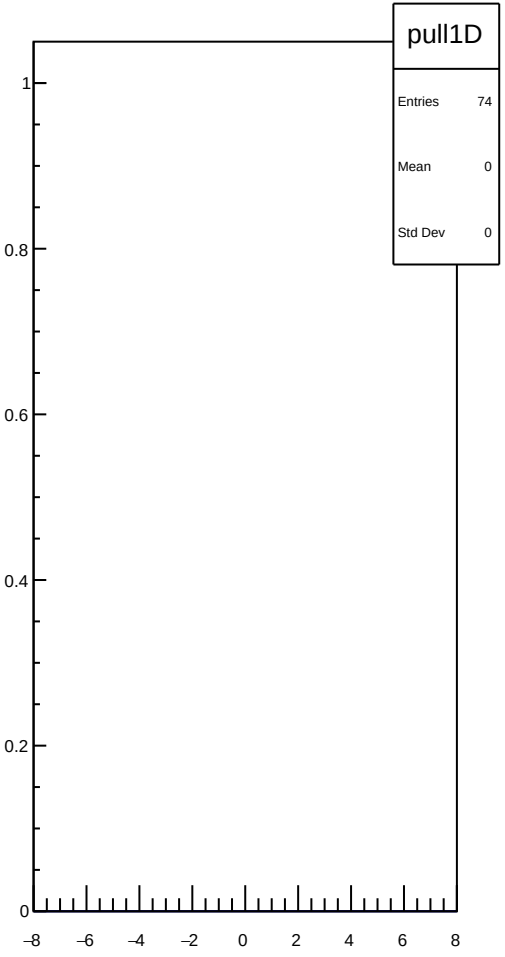

dit_sam7_coil1_mean vs run
χ² / ndf inf / 73
p0 2.158e+04 ± 1.162e−16
25000
20000
15000
10000
5000
0
pull
Entries 74
Mean 1.117e+09
Std Dev 1.117e+09
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

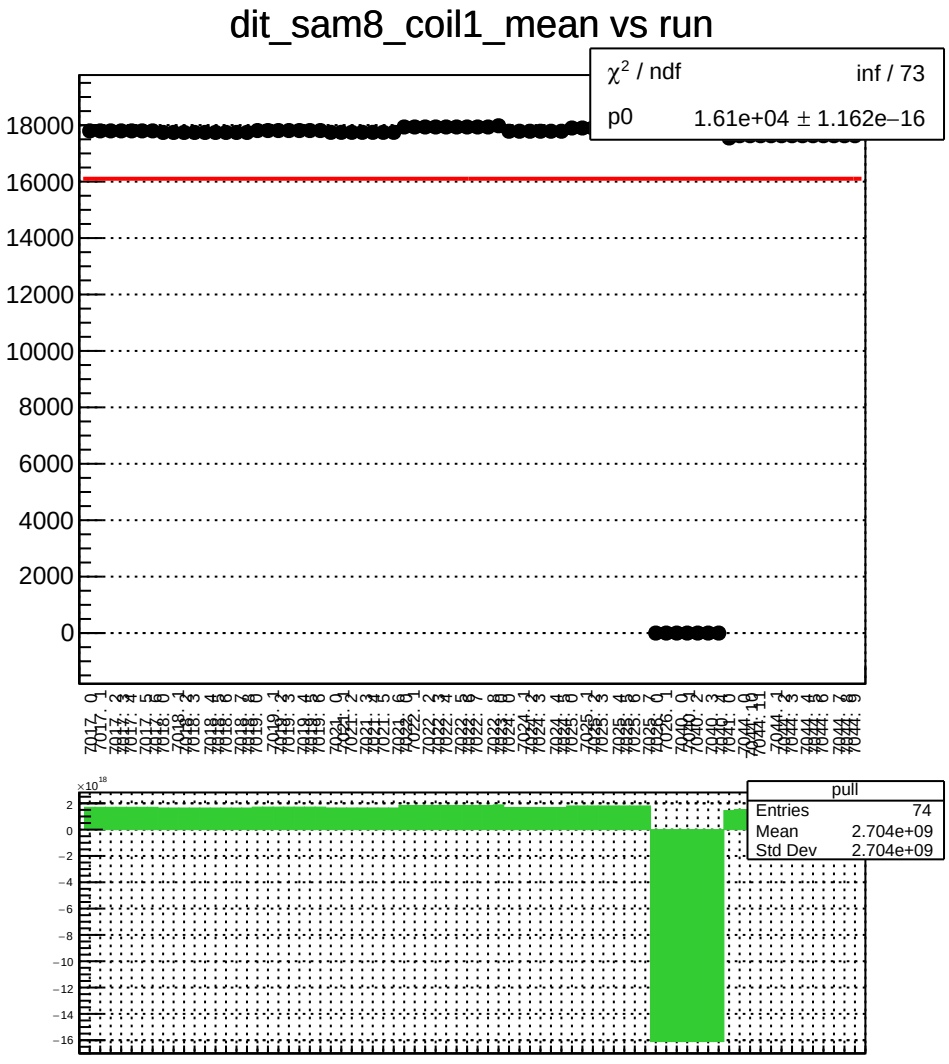

dit_sam7_coil1_err_mean vs run
χ^2 / ndf 6.046e+35 / 73
p0 195.2 ± 1.162e−16
pull
Entries 74
Mean 4.209e+08
Std Dev 4.209e+08

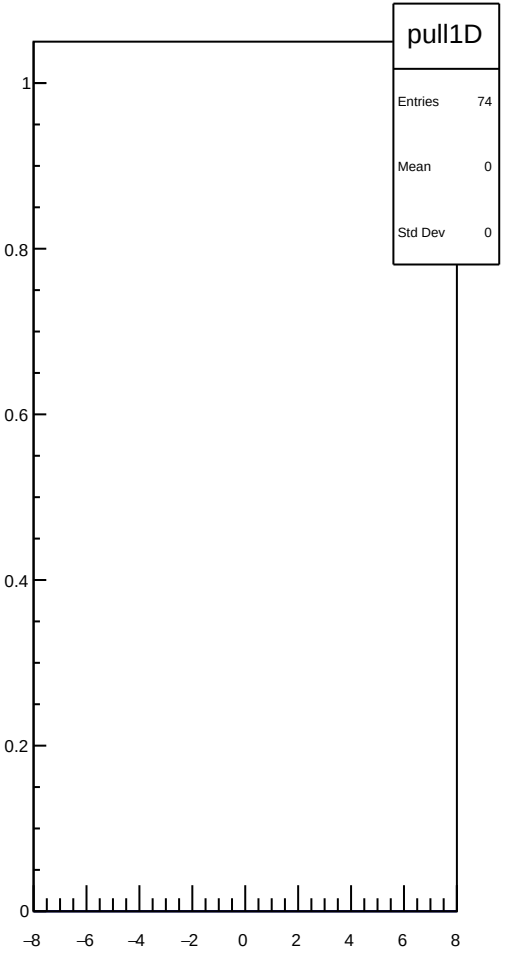

pull1D
Entries 74
Mean 0
Std Dev 0

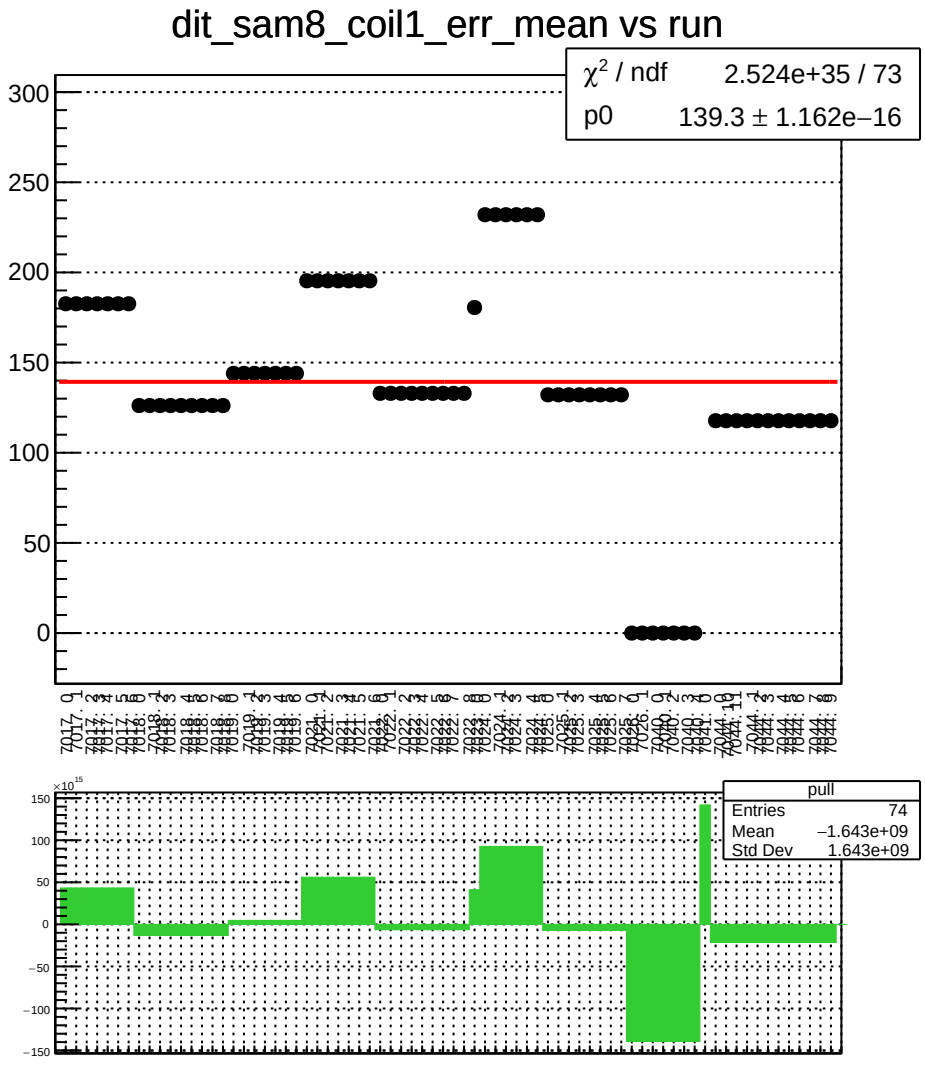
dit_sam7_coil1_Ndata_mean vs run

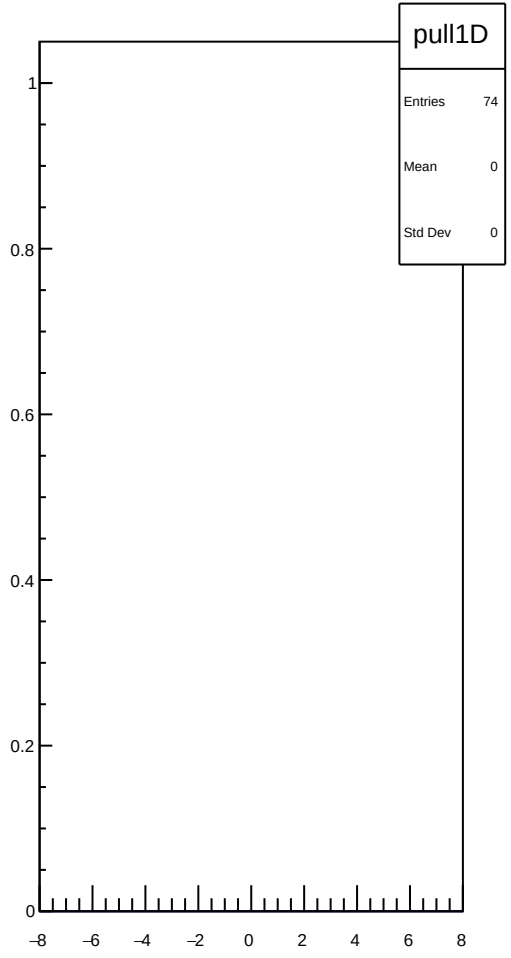




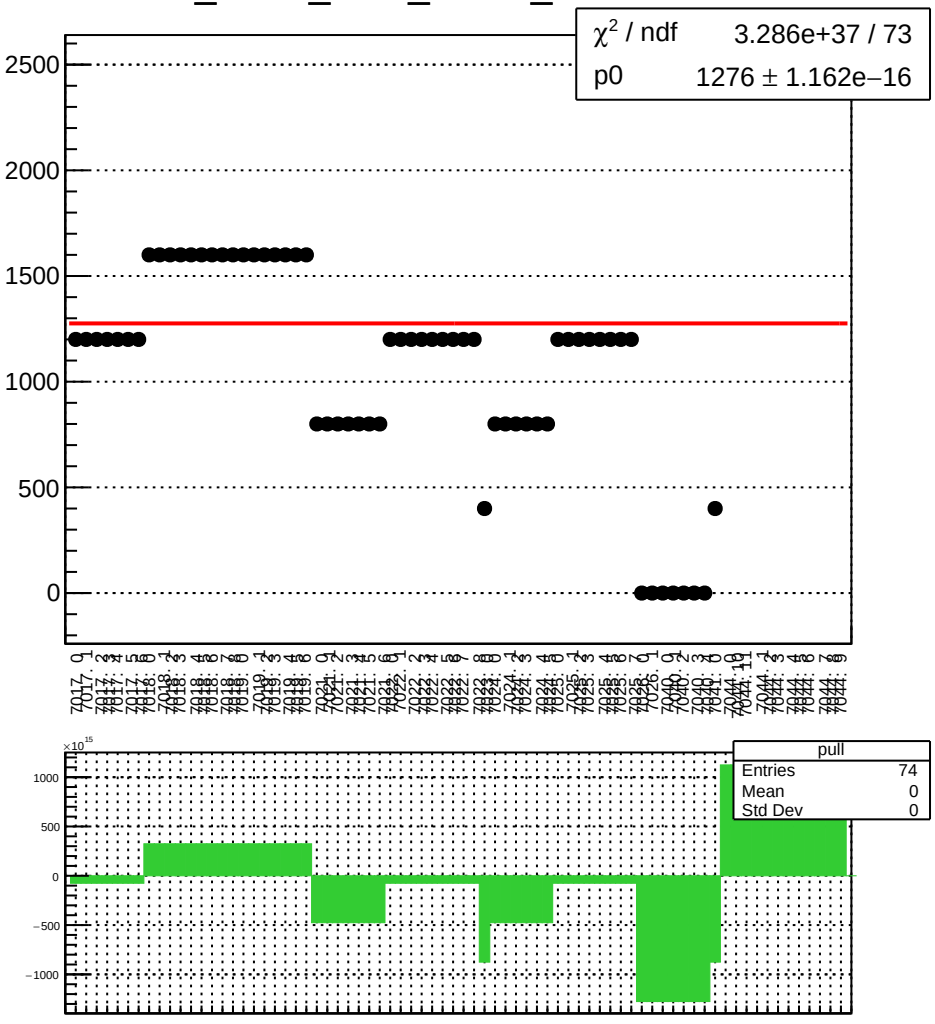

dit_sam8_coil1_mean vs run
χ² / ndf inf / 73
p0 1.61e+04 ± 1.162e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 74
Mean 2.704e+09
Std Dev 2.704e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16

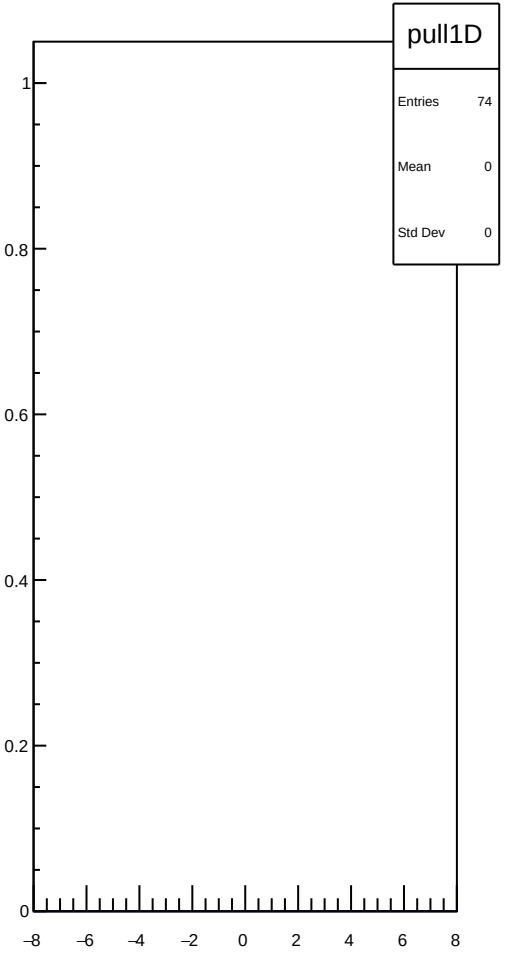

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil1_err_mean vs run
χ² / ndf 2.524e+35 / 73
p0 139.3 ± 1.162e−16
pull
Entries 74
Mean −1.643e+09
Std Dev 1.643e+09

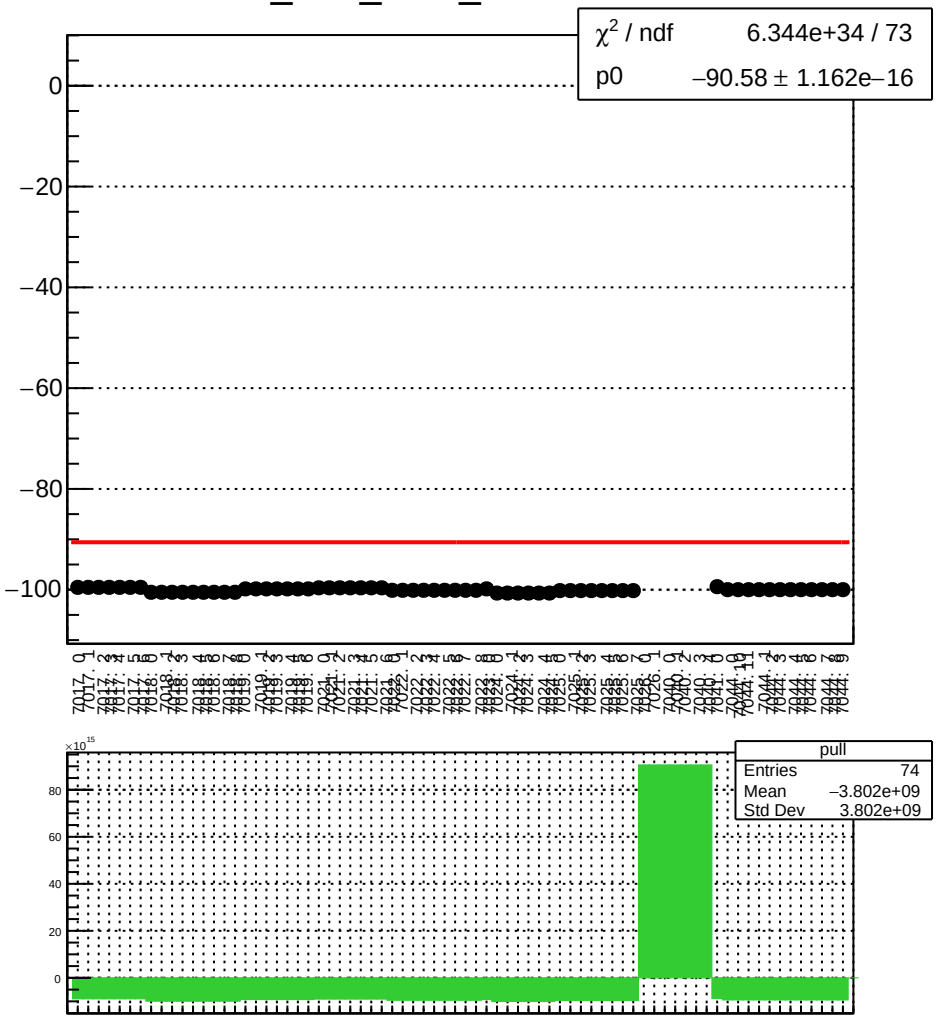

pull1D
Entries 74
Mean 0
Std Dev 0

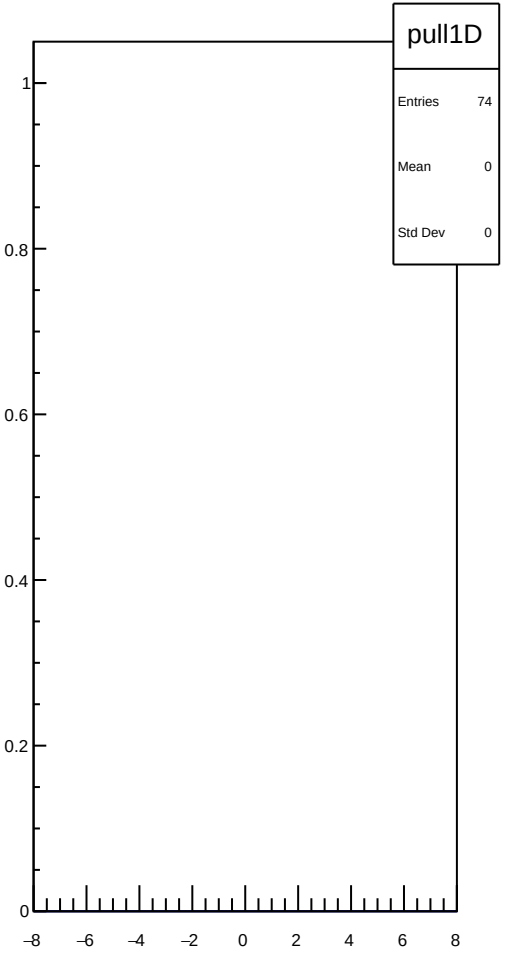
dit_sam8_coil1_Ndata_mean vs run



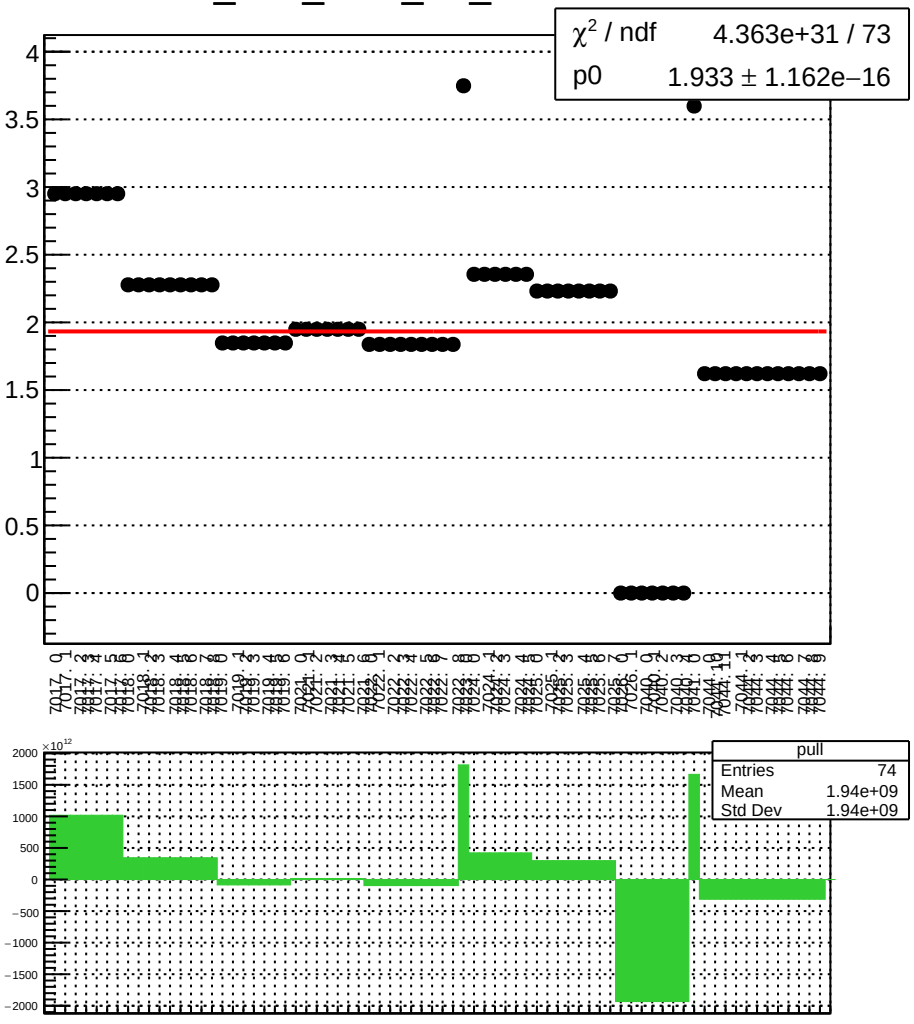


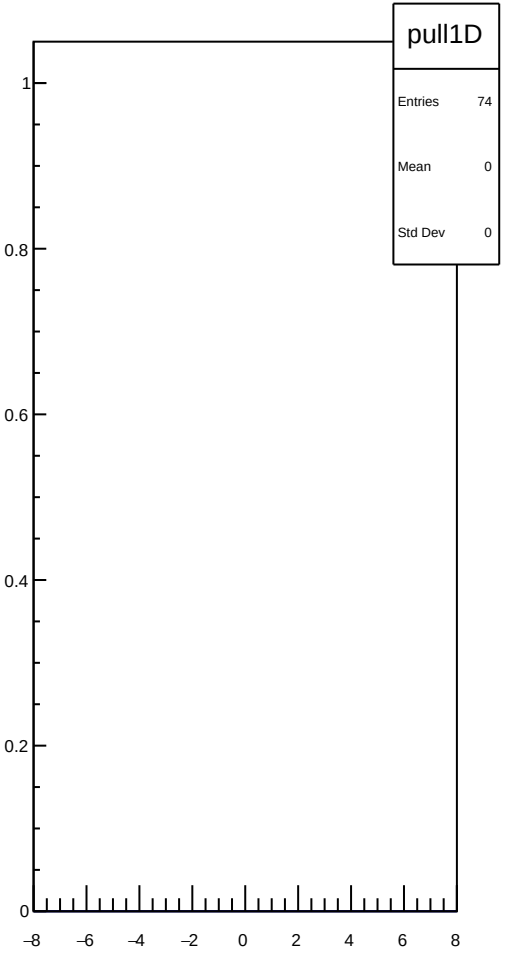
dit_4aX_coil3_mean vs run



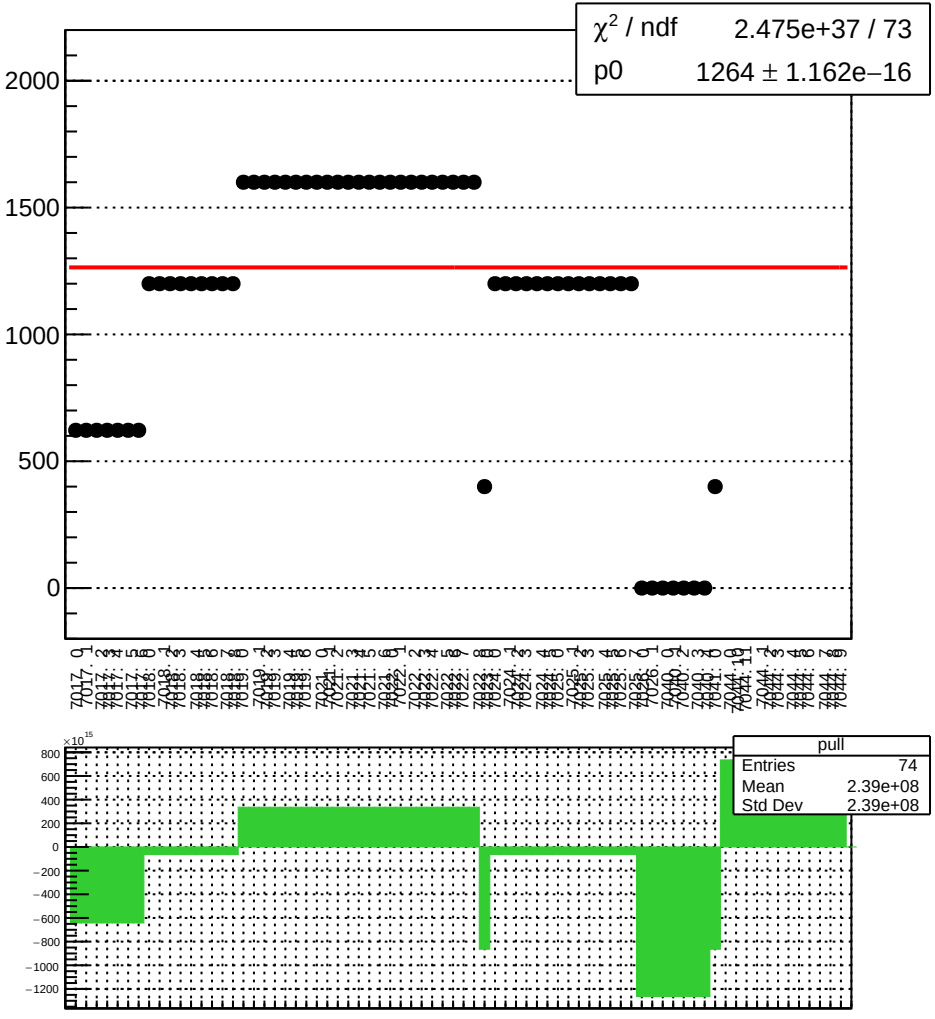


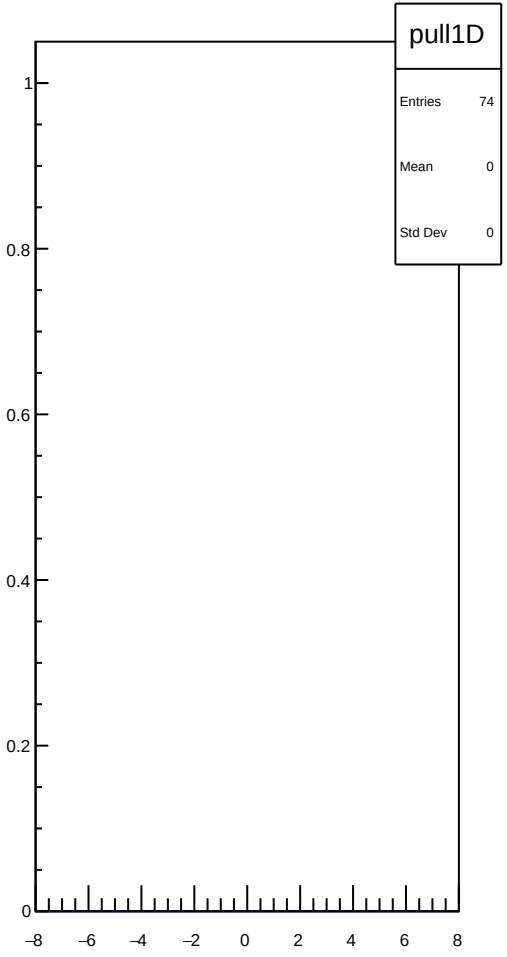
dit_4aX_coil3_err_mean vs run



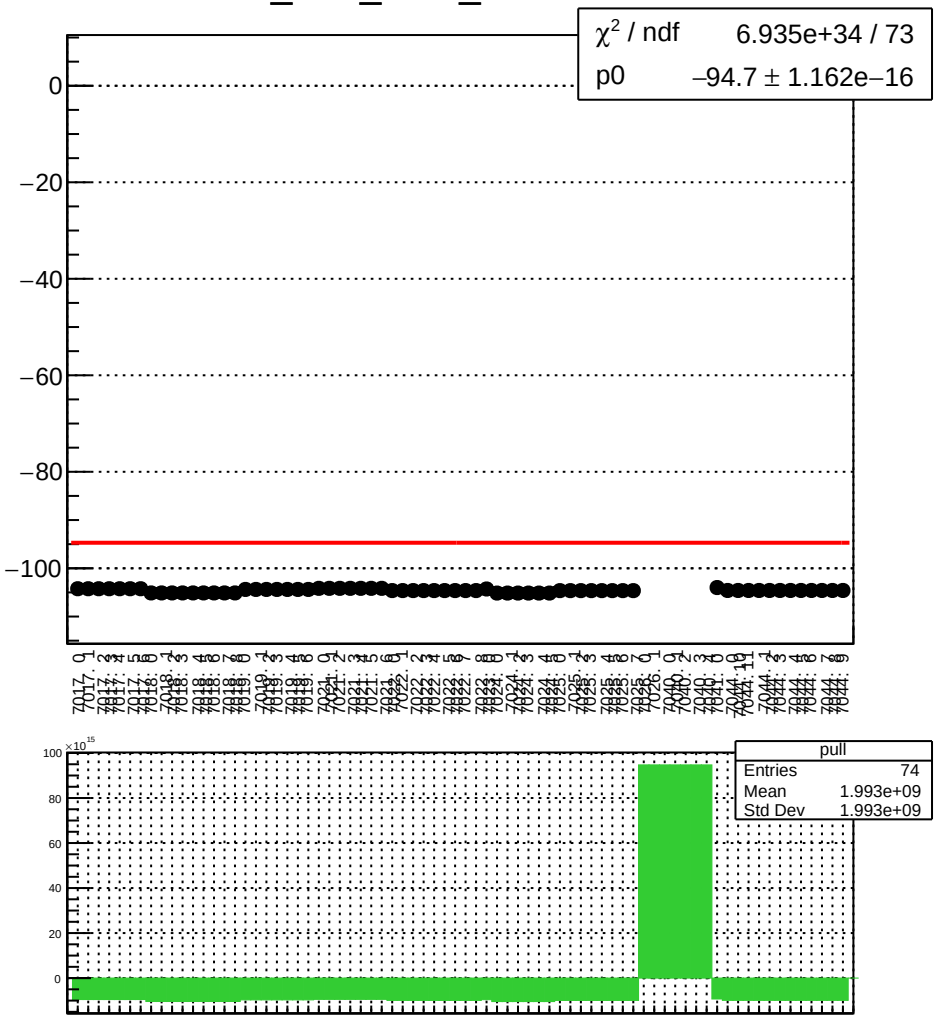


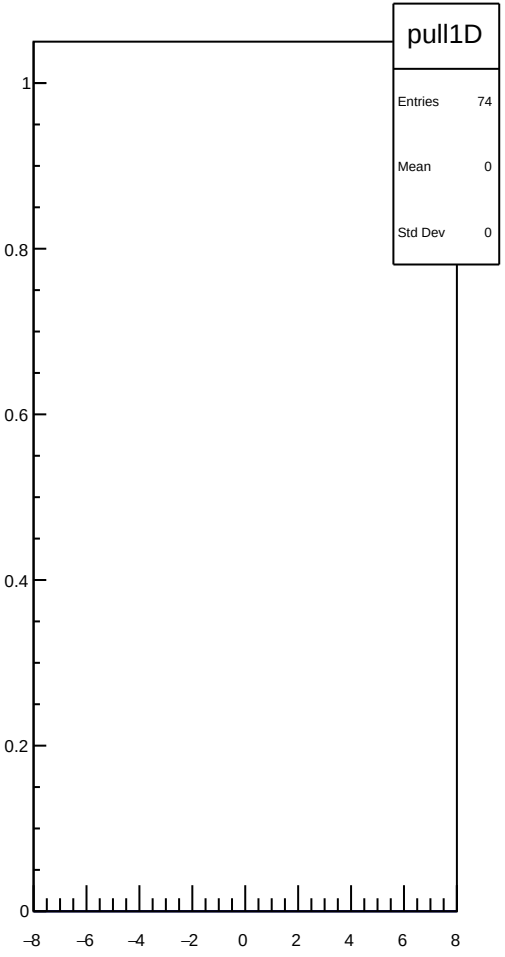
dit_4aX_coil3_Ndata_mean vs run

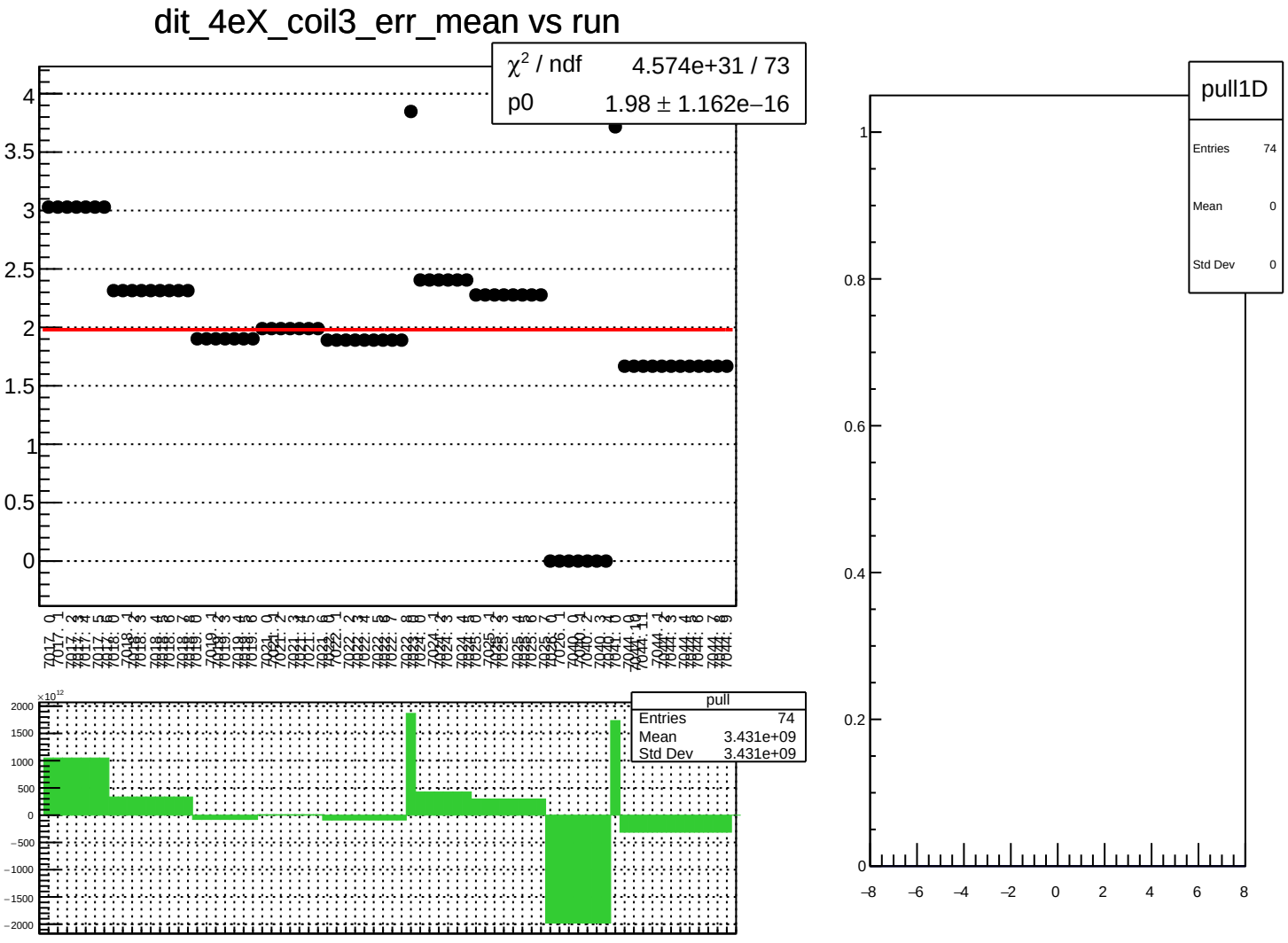




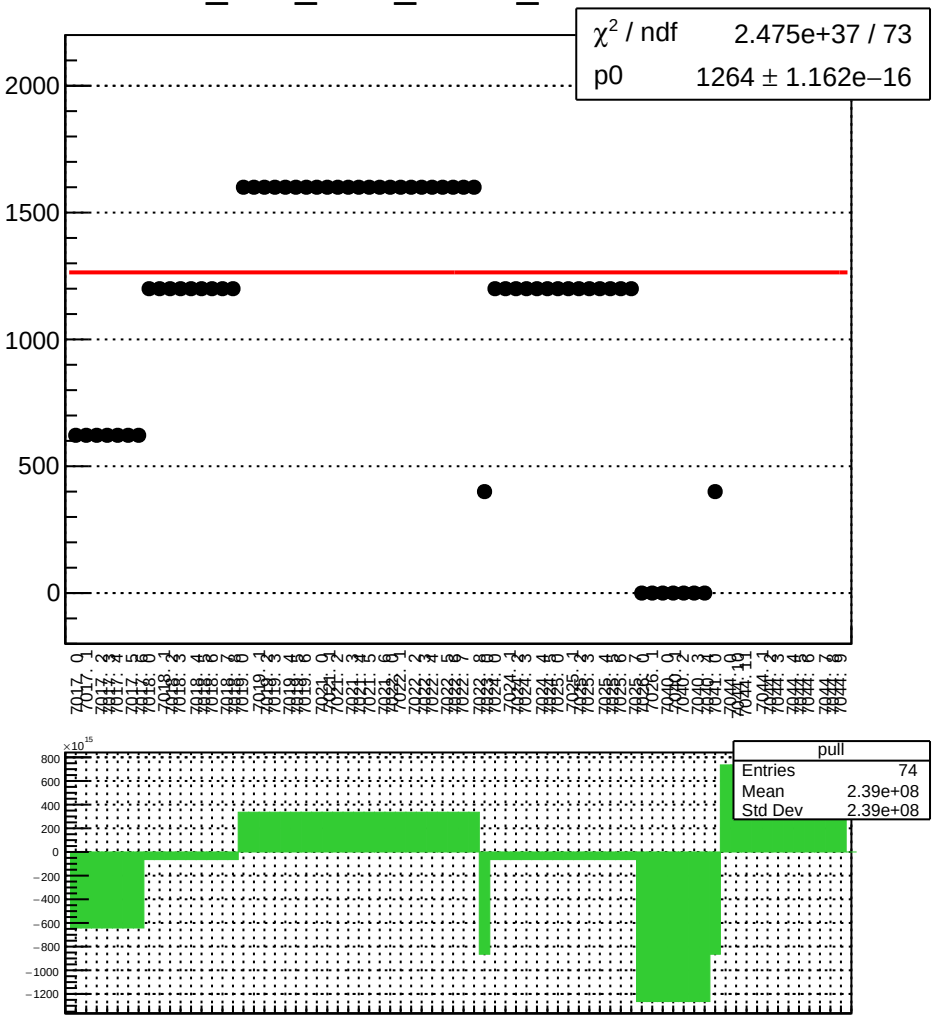
dit_4eX_coil3_mean vs run

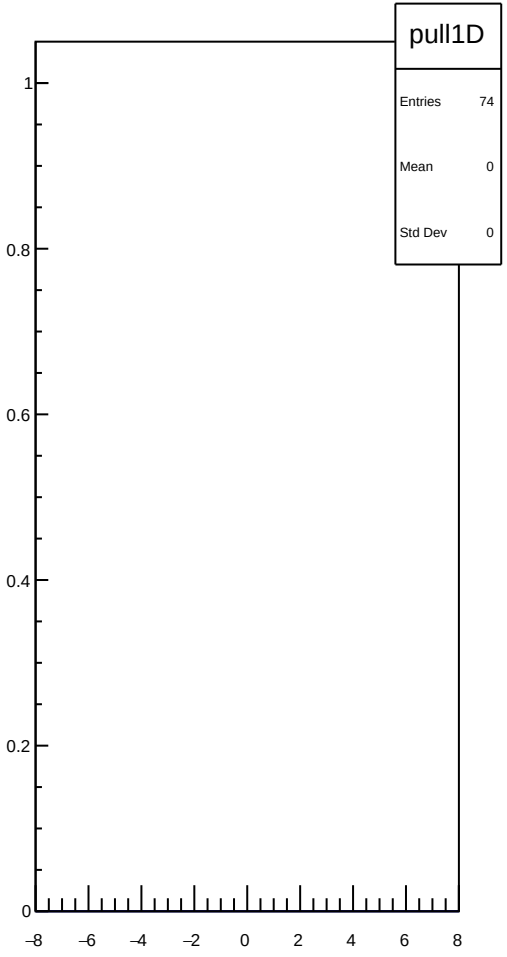




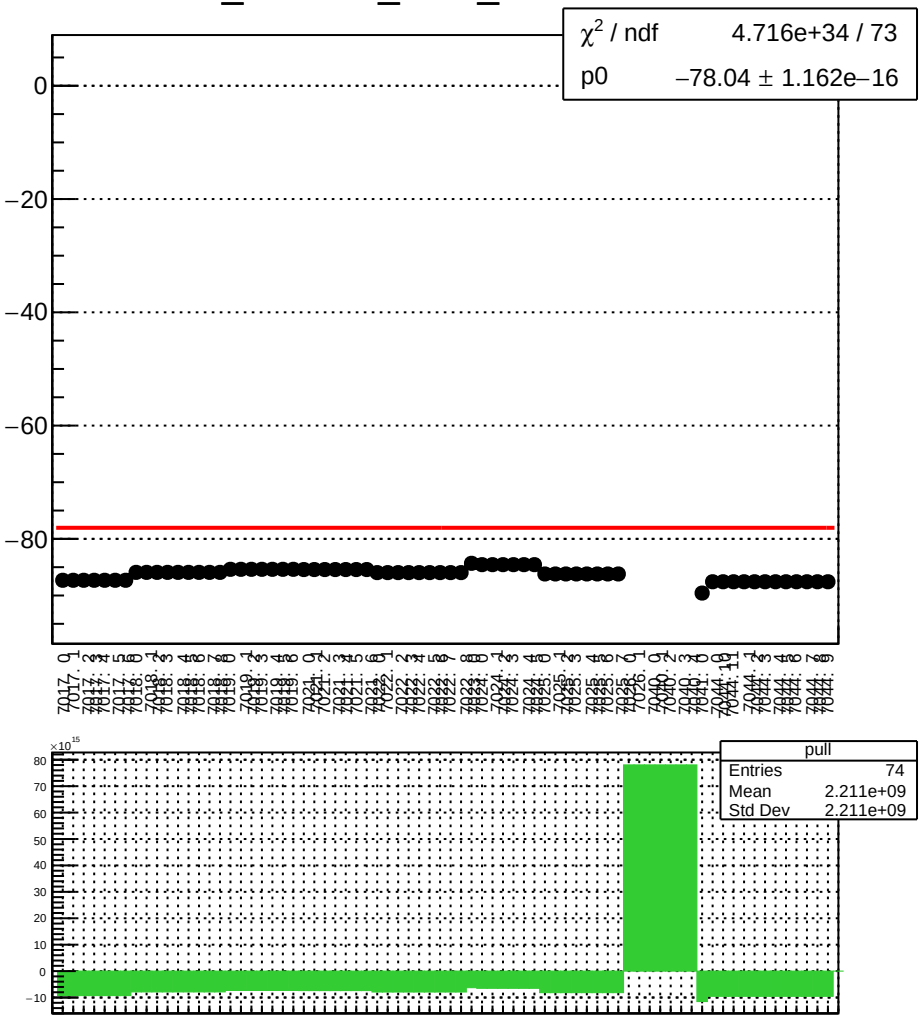

dit_4eX_coil3_err_mean vs run
χ² / ndf 4.574e+31 / 73
p0 1.98 ± 1.162e−16
pull
Entries 74
Mean 3.431e+09
Std Dev 3.431e+09
pull1D
Entries 74
Mean 0
Std Dev 0

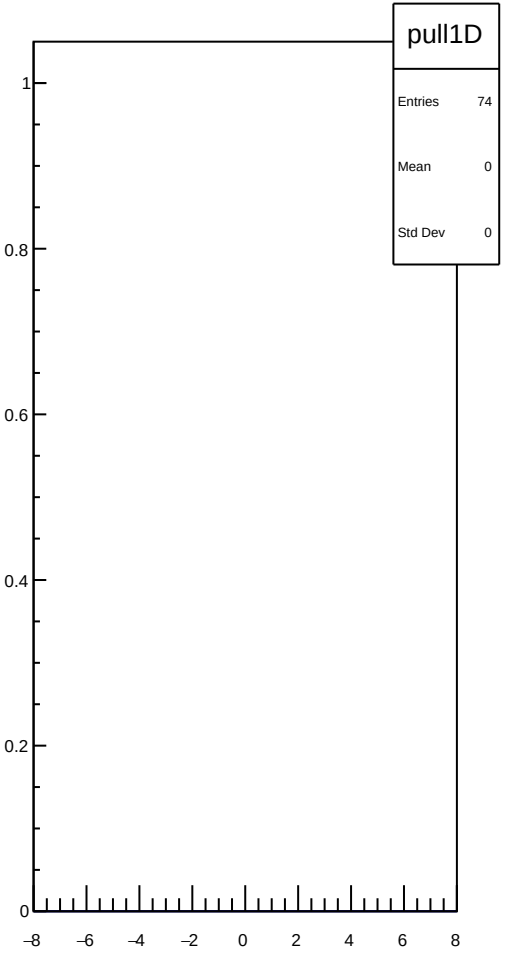
dit_4eX_coil3_Ndata_mean vs run



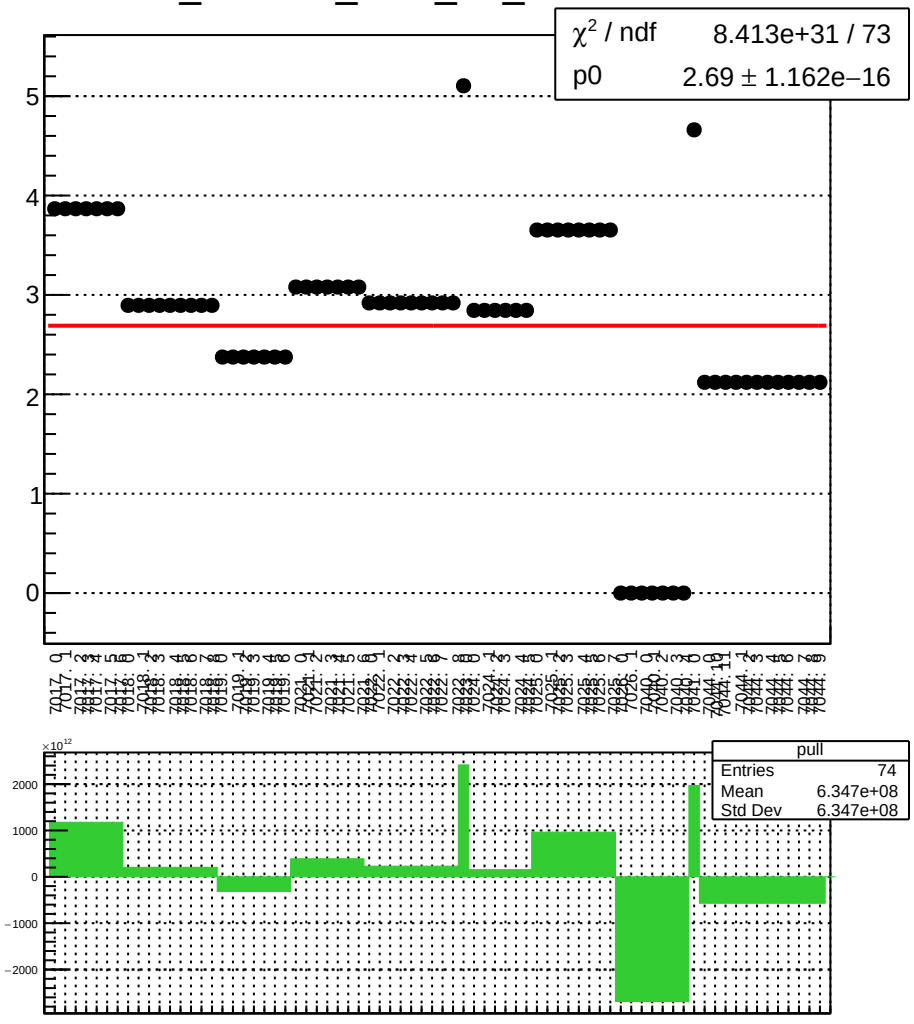


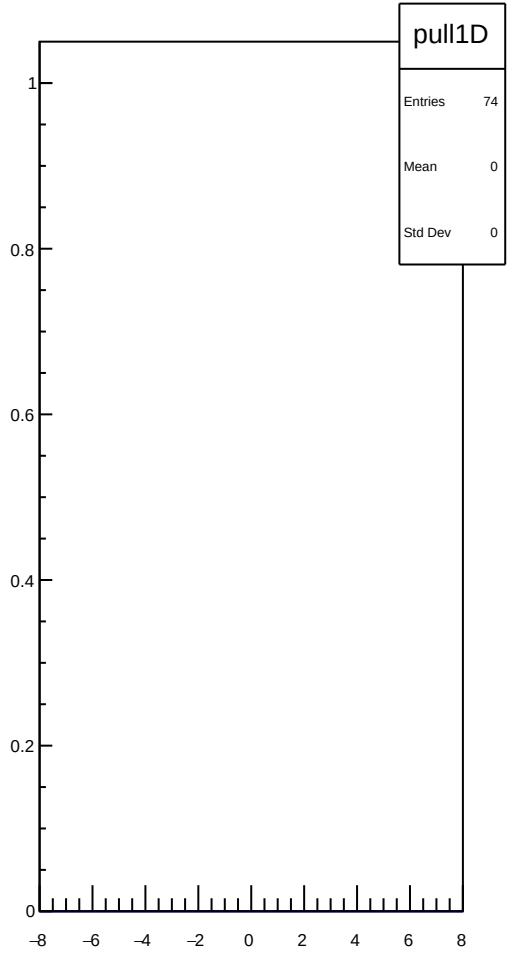
dit_11X12X_coil3_mean vs run



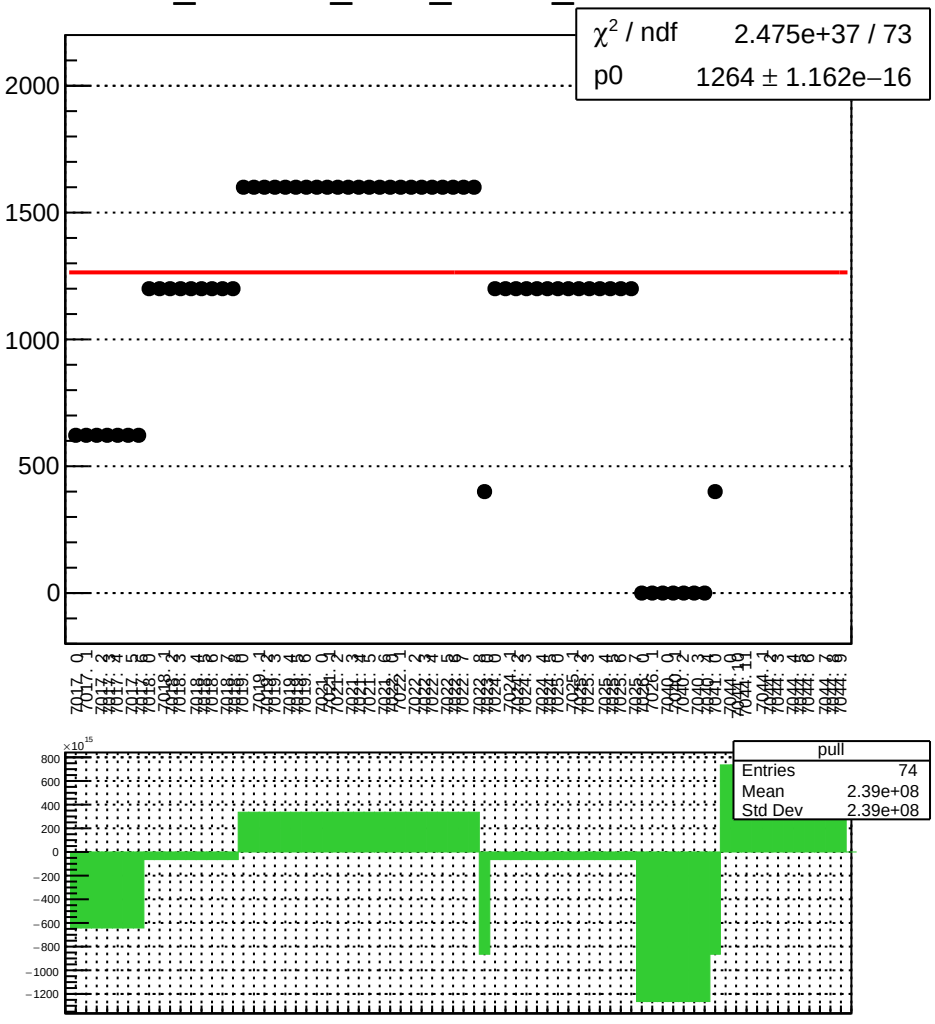


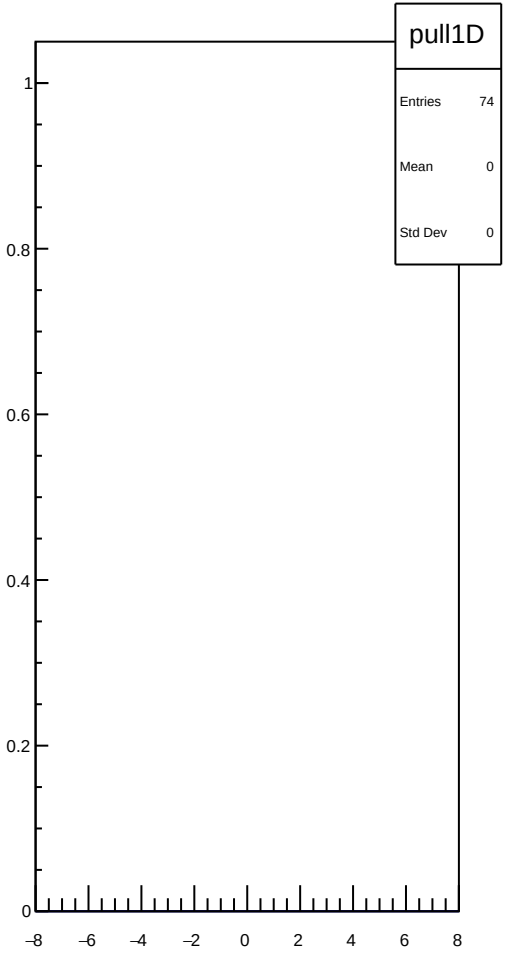
dit_11X12X_coil3_err_mean vs run

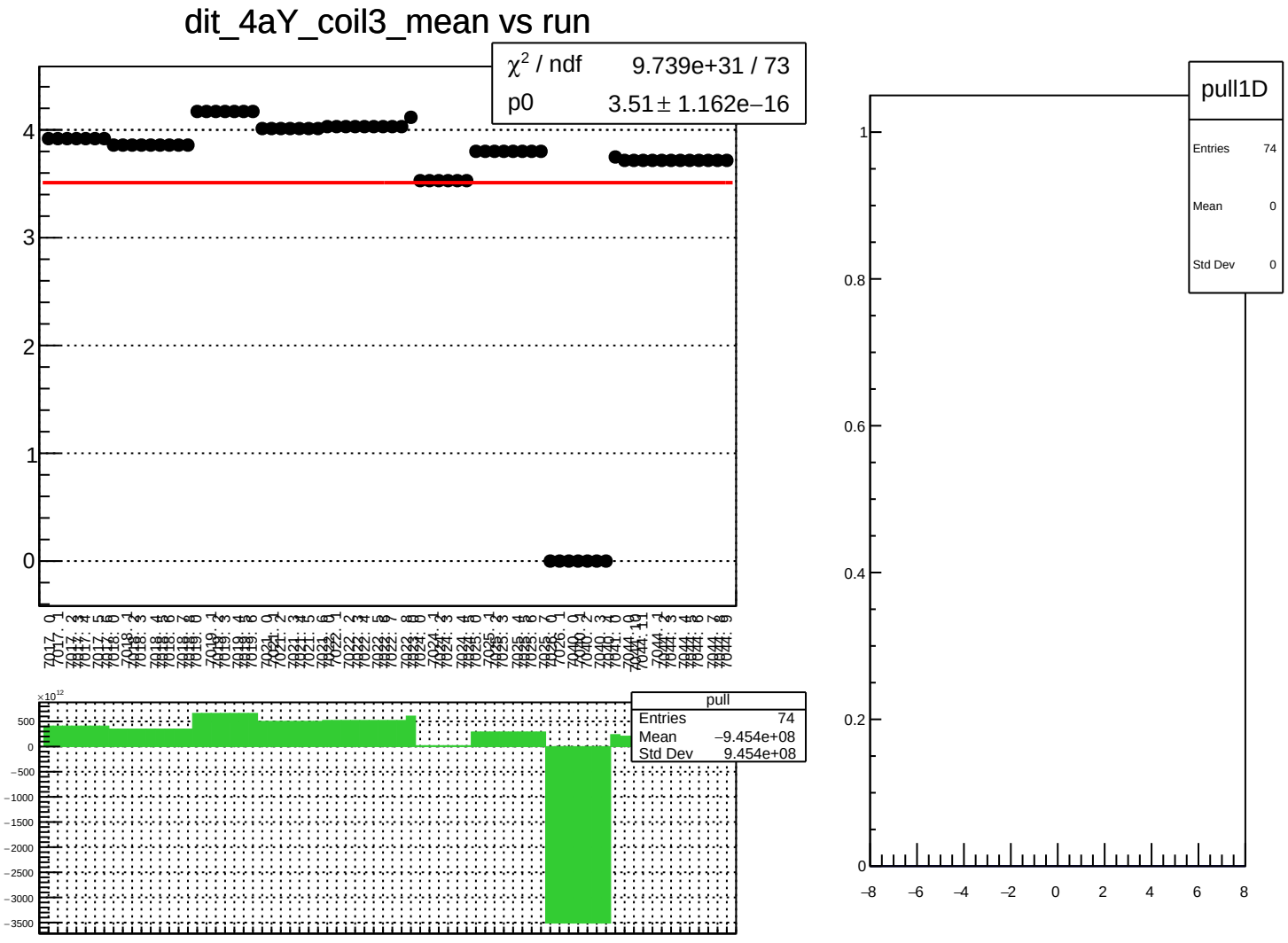




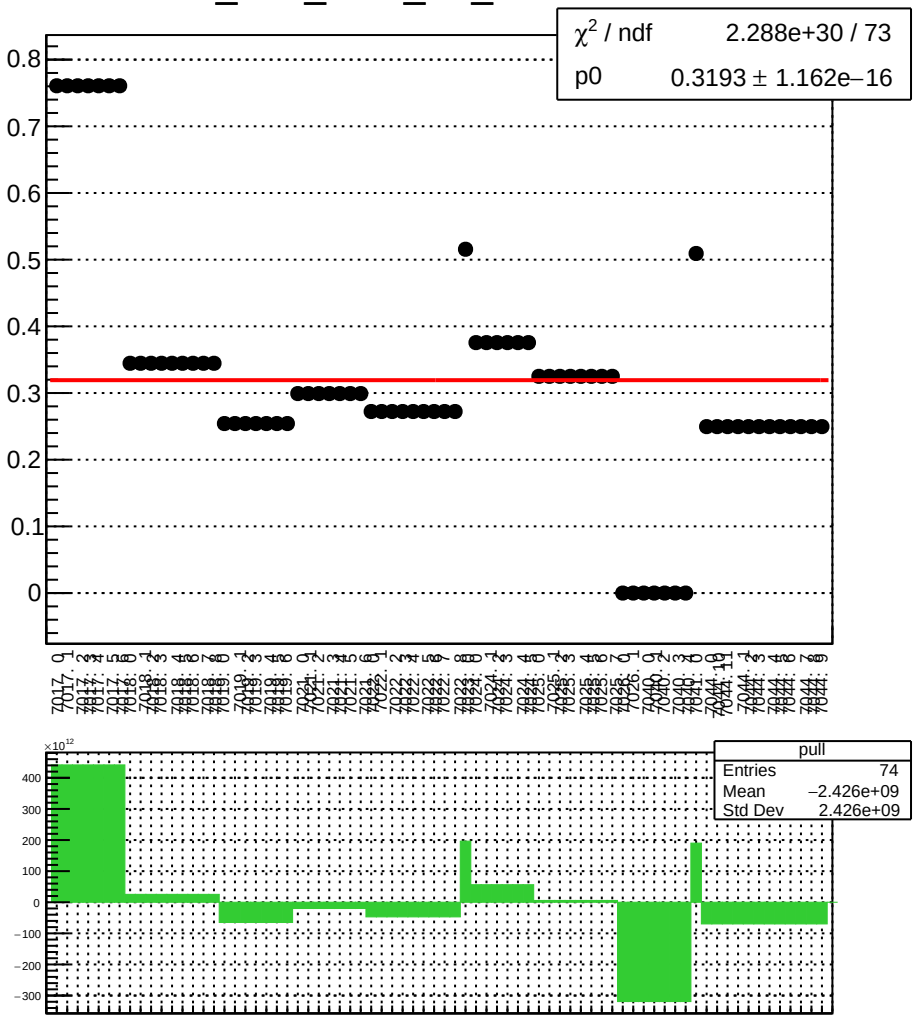
dit_11X12X_coil3_Ndata_mean vs run

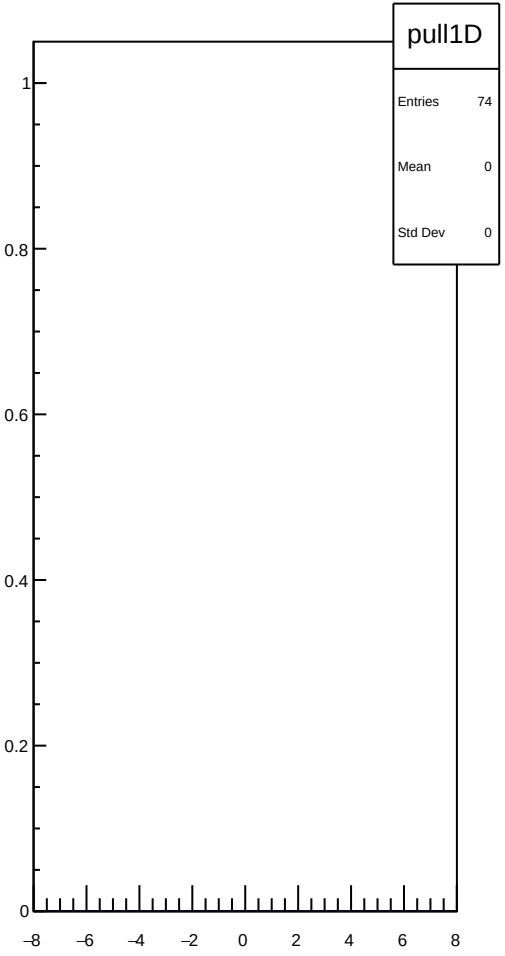




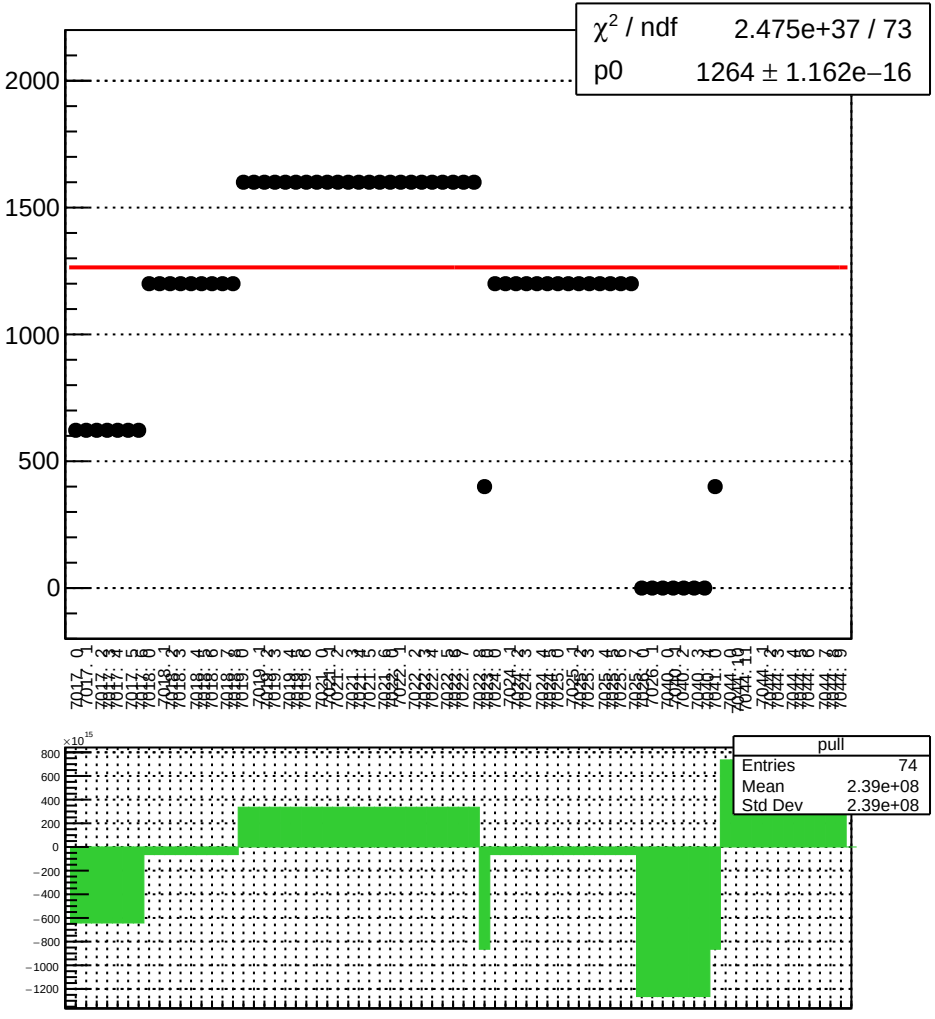

dit_4aY_coil3_mean vs run
χ^2 / ndf 9.739e+31 / 73
p0 3.51 ± 1.162e−16
pull
Entries 74
Mean −9.454e+08
Std Dev 9.454e+08
pull1D
Entries 74
Mean 0
Std Dev 0

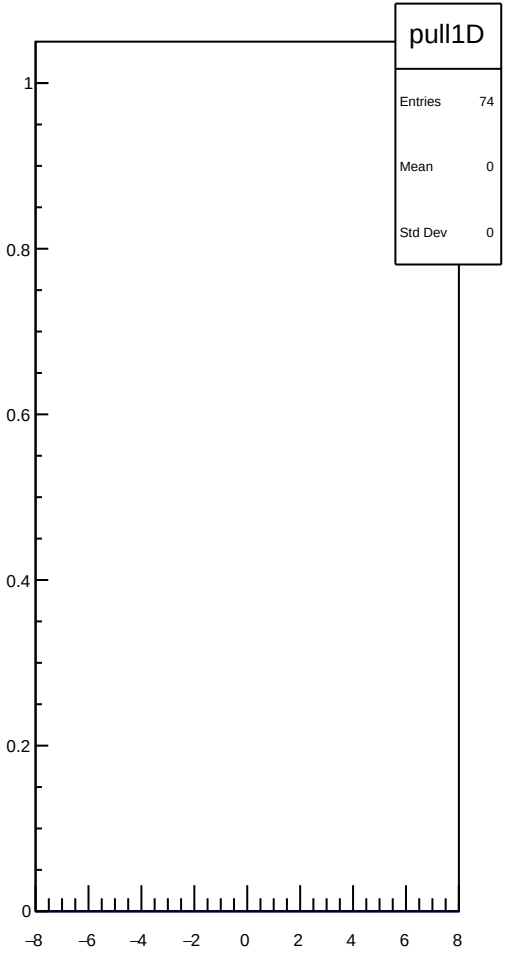
dit_4aY_coil3_err_mean vs run

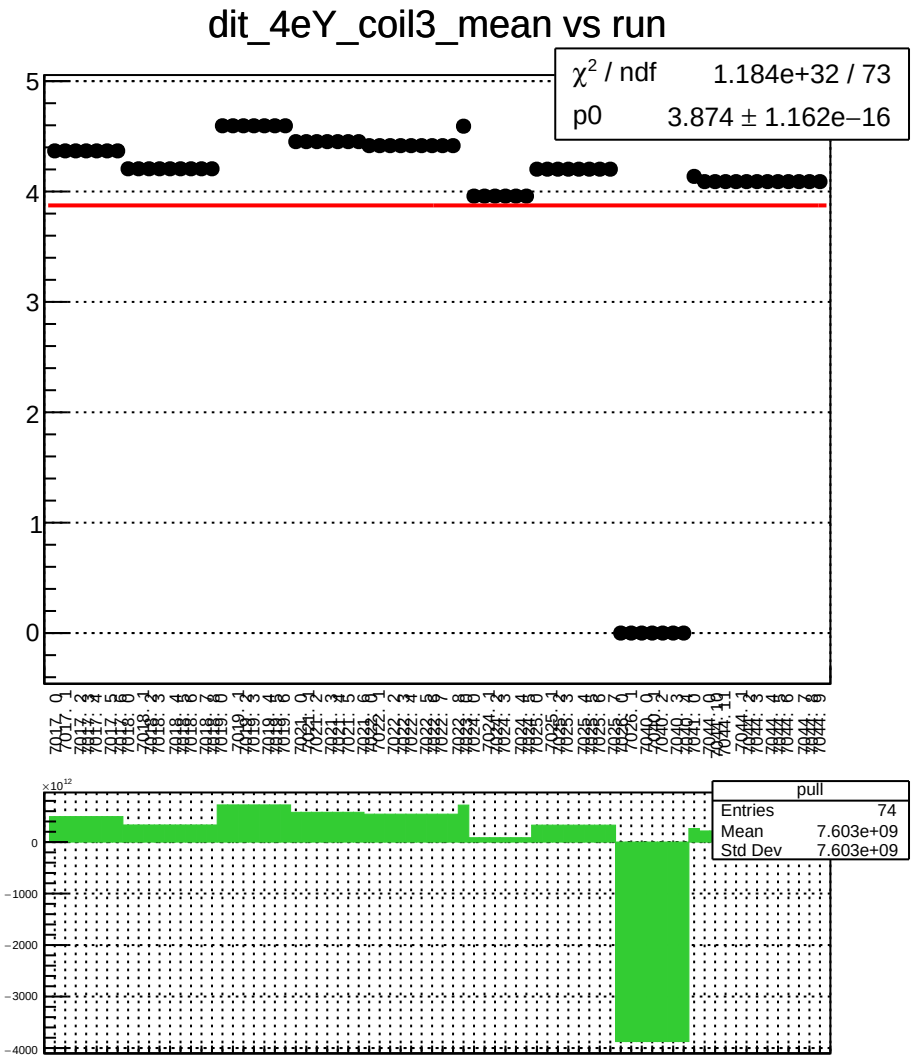


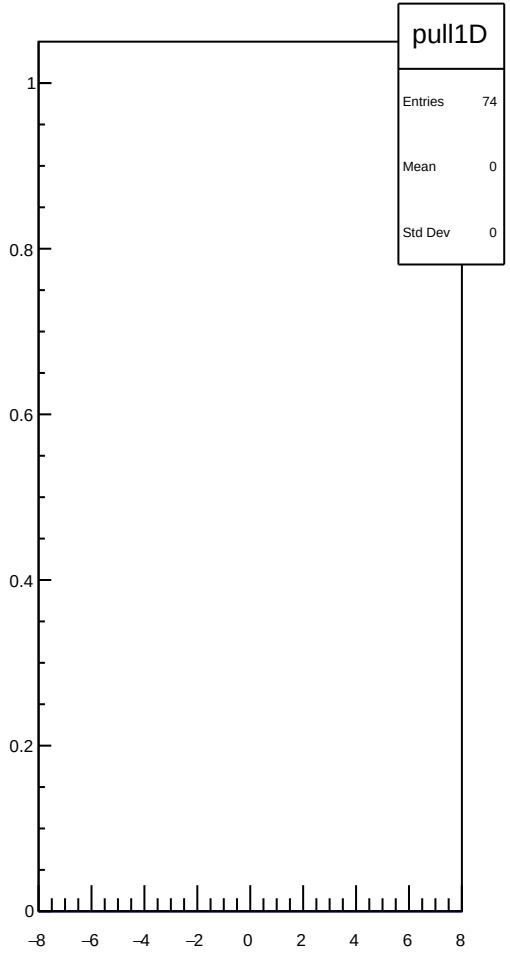


dit_4aY_coil3_Ndata_mean vs run

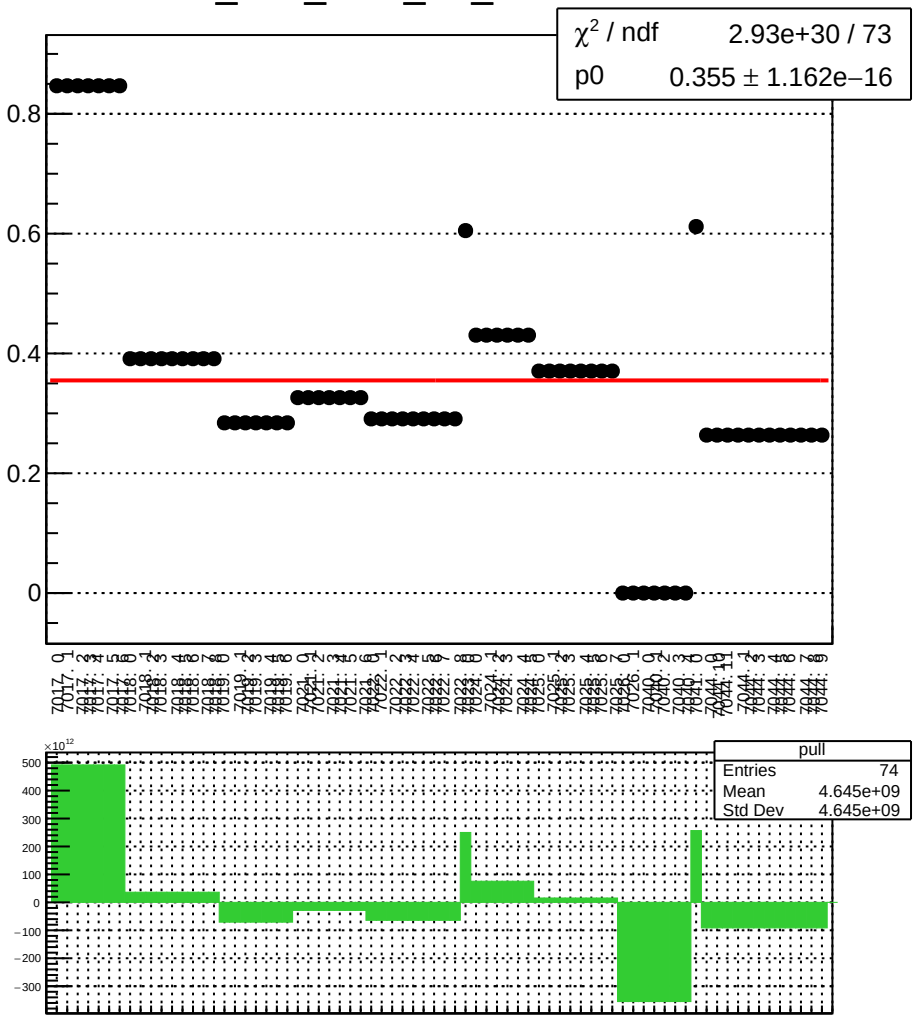


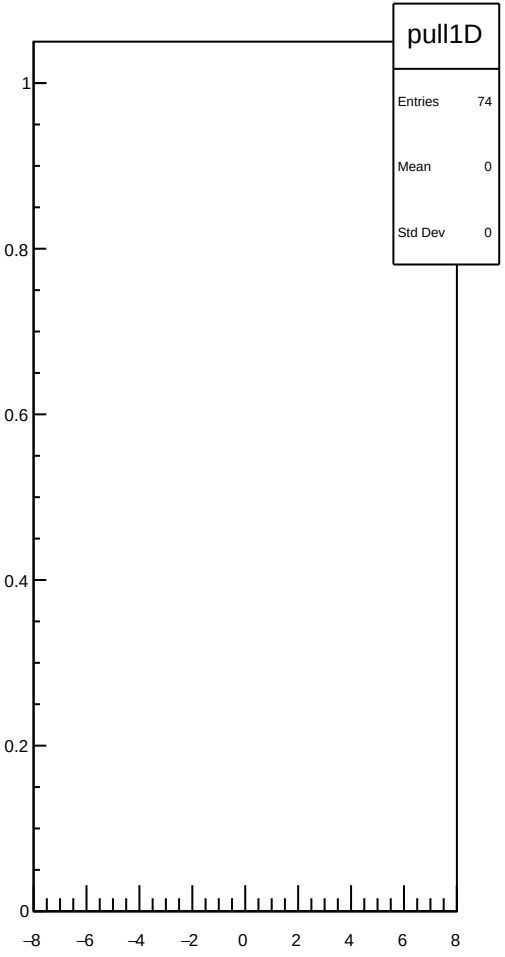



dit_4eY_coil3_mean vs run
χ^2 / ndf 1.184e+32 / 73
p0 3.874 ± 1.162e−16
pull
Entries 74
Mean 7.603e+09
Std Dev 7.603e+09

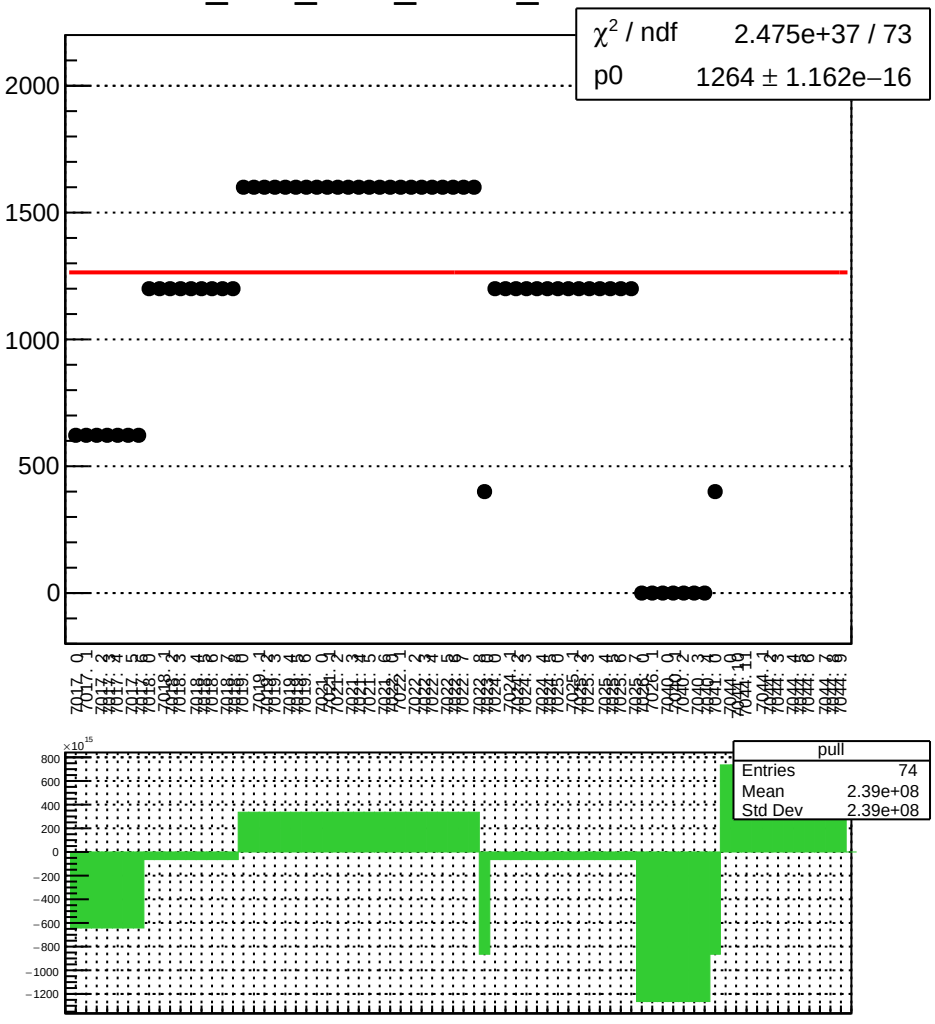

pull1D
Entries 74
Mean 0
Std Dev 0

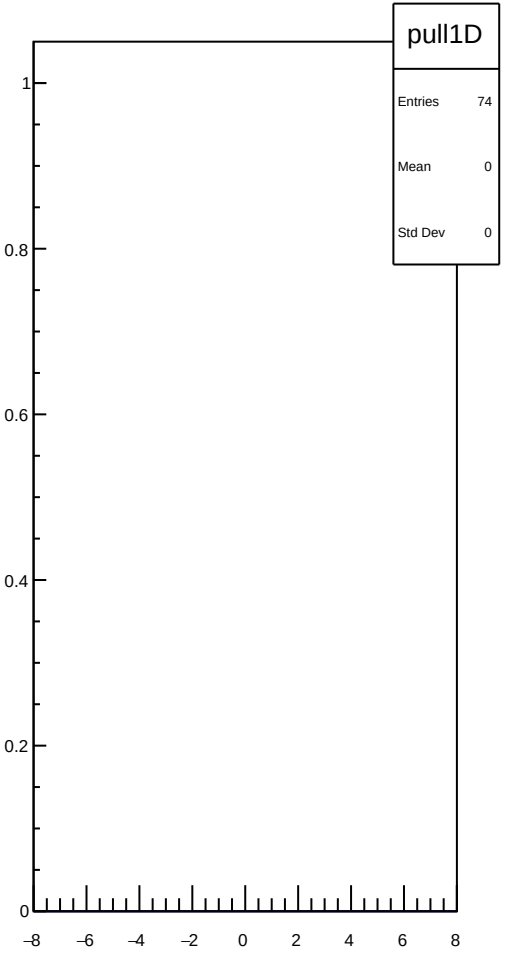
dit_4eY_coil3_err_mean vs run

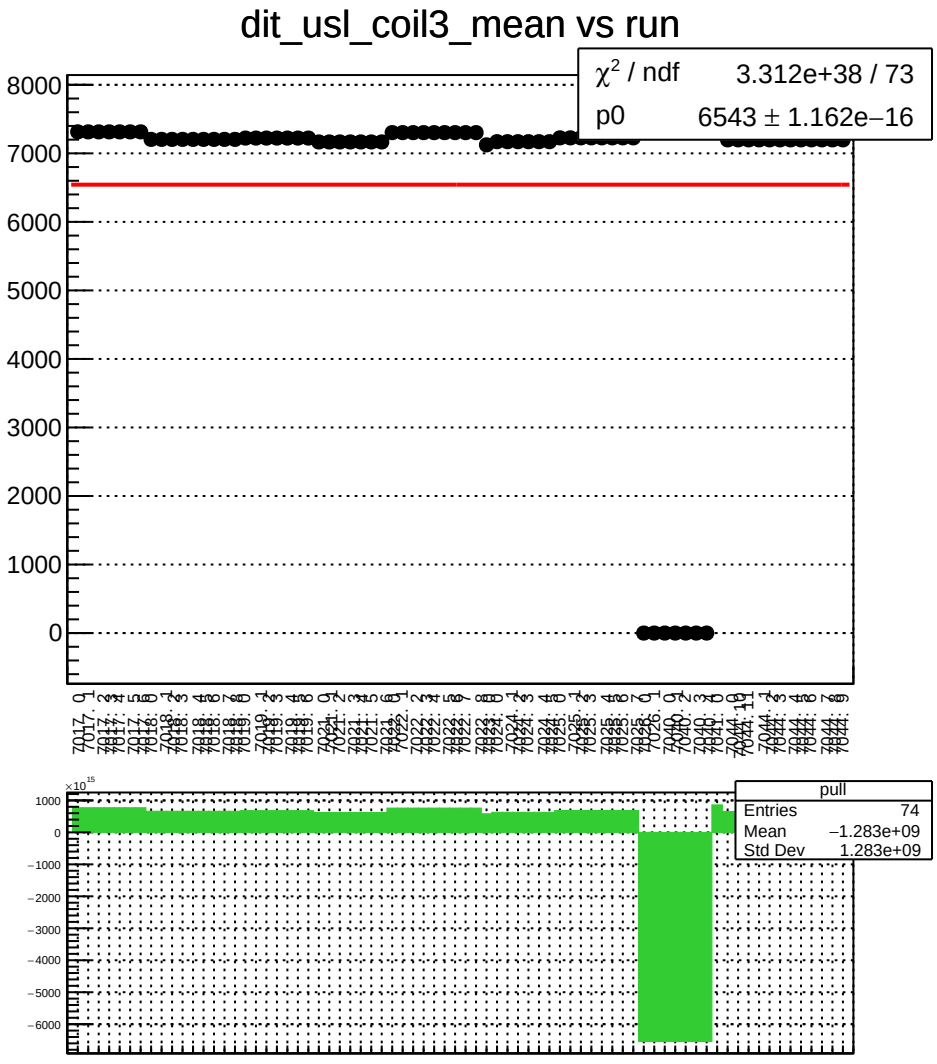


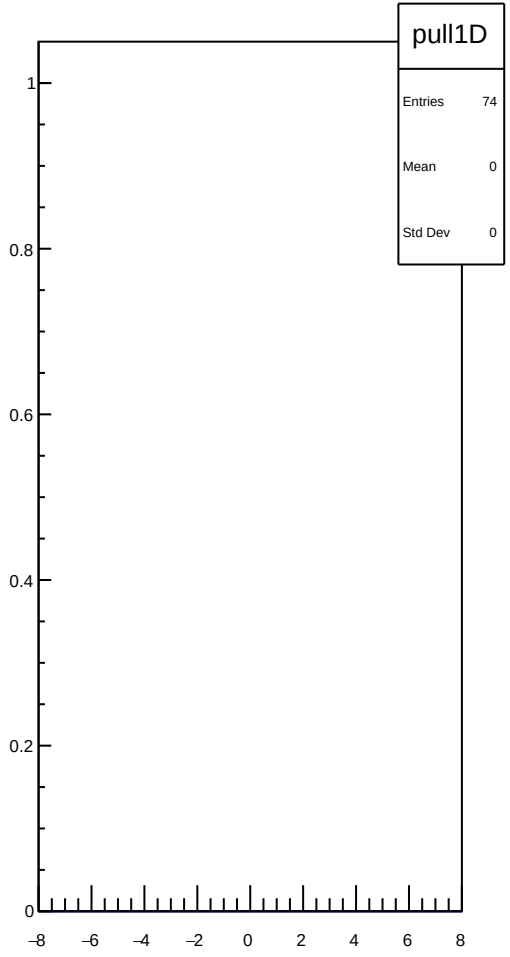


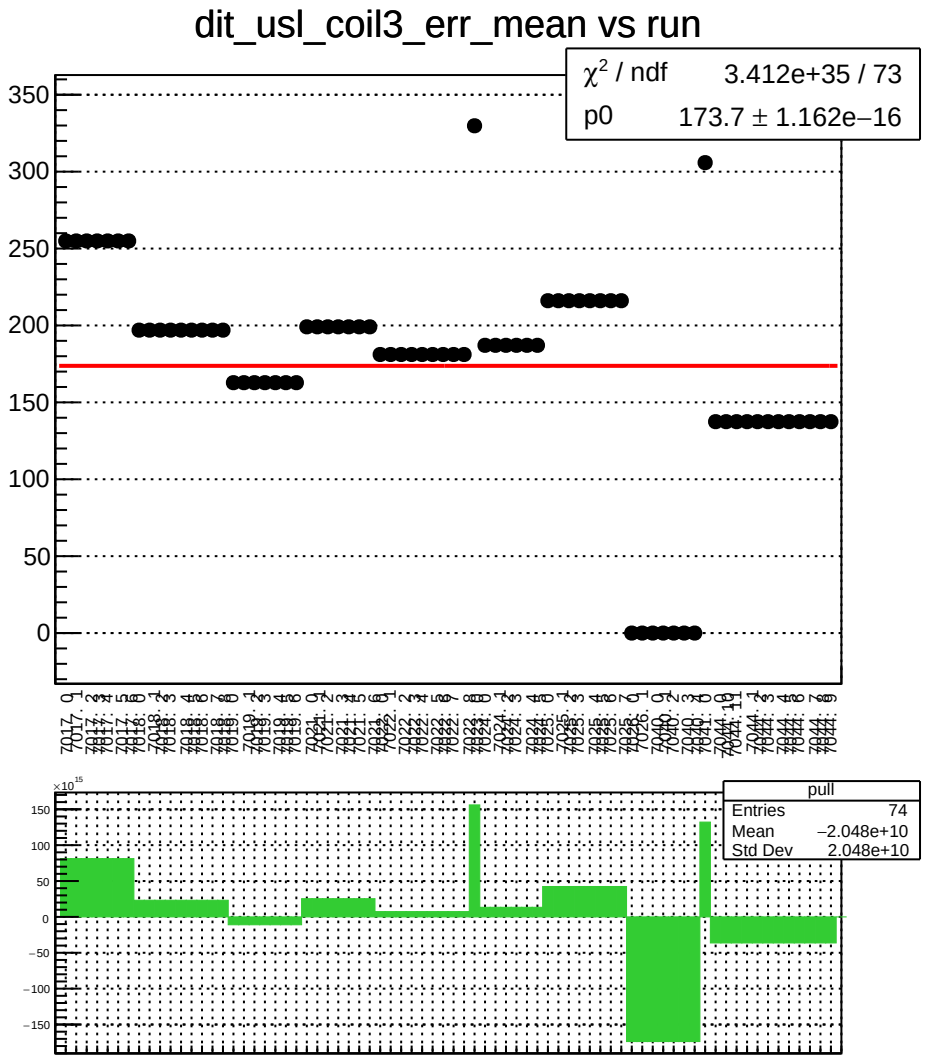
dit_4eY_coil3_Ndata_mean vs run

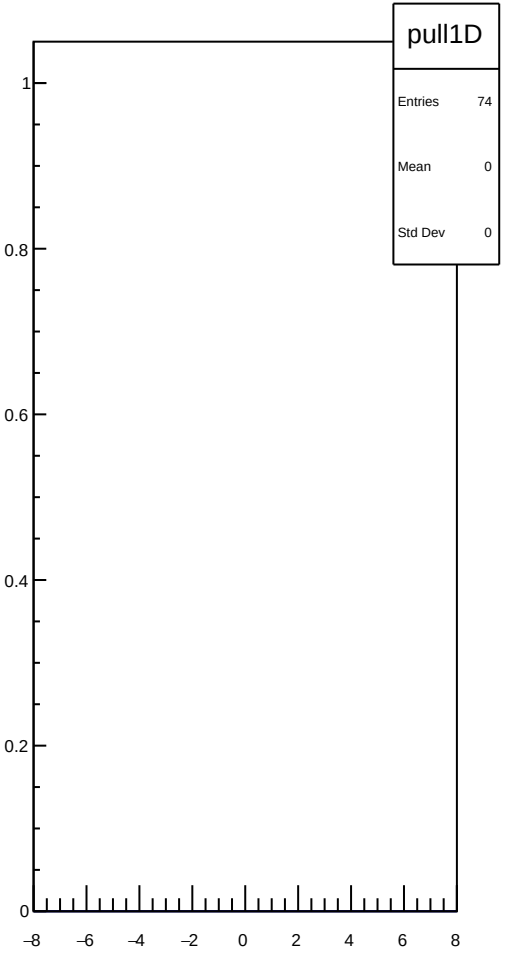


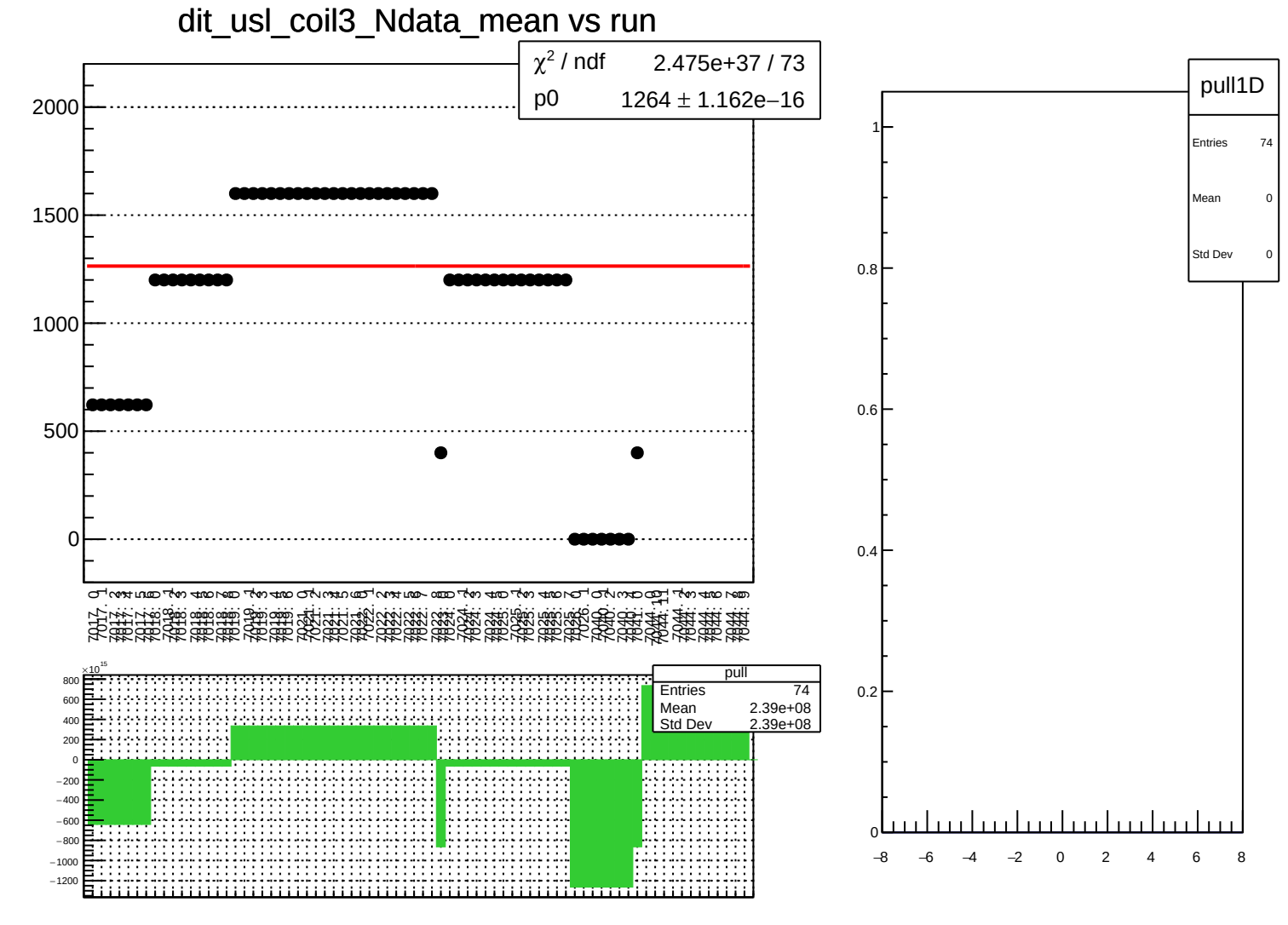


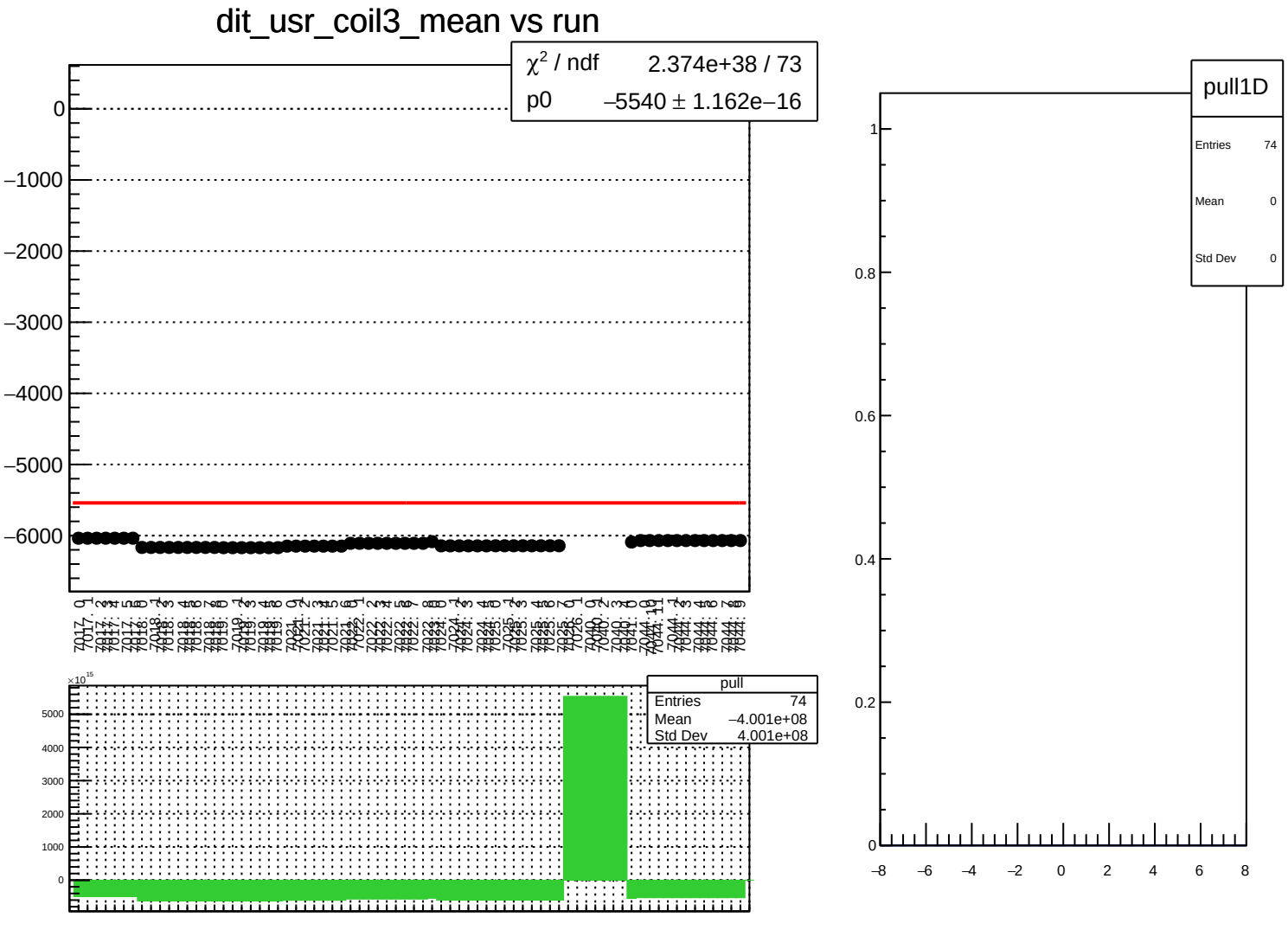

dit_usl_coil3_mean vs run
χ² / ndf 3.312e+38 / 73
p0 6543 ± 1.162e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean −1.283e+09
Std Dev 1.283e+09
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

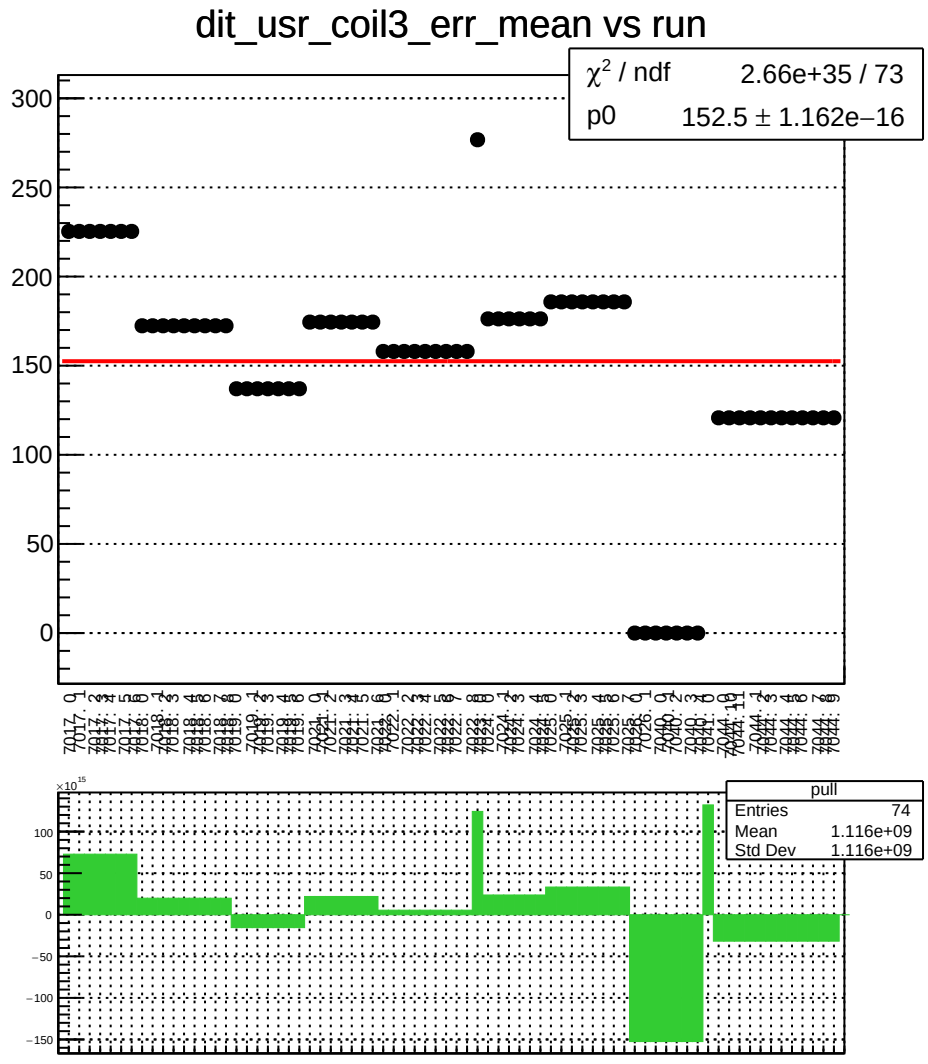

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

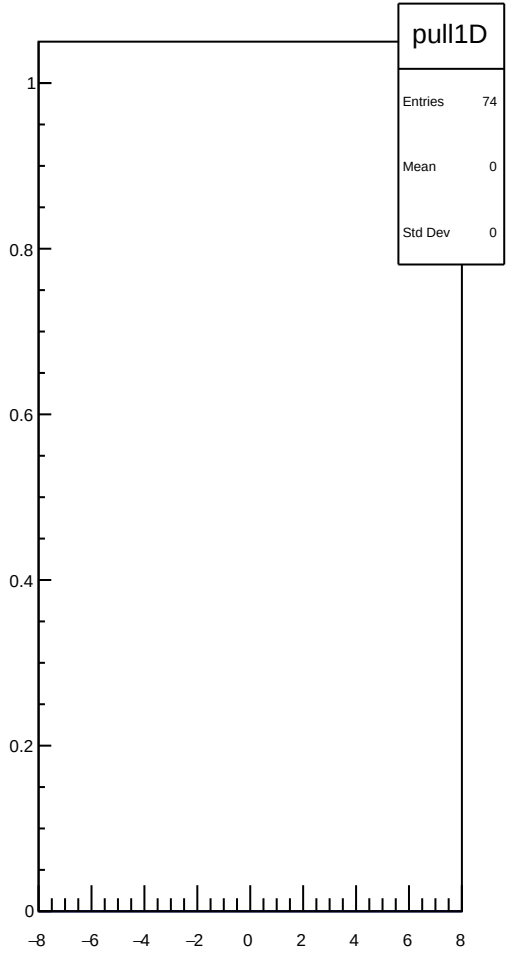

dit_usl_coil3_err_mean vs run
χ² / ndf 3.412e+35 / 73
p0 173.7 ± 1.162e−16
pull
Entries 74
Mean −2.048e+10
Std Dev 2.048e+10

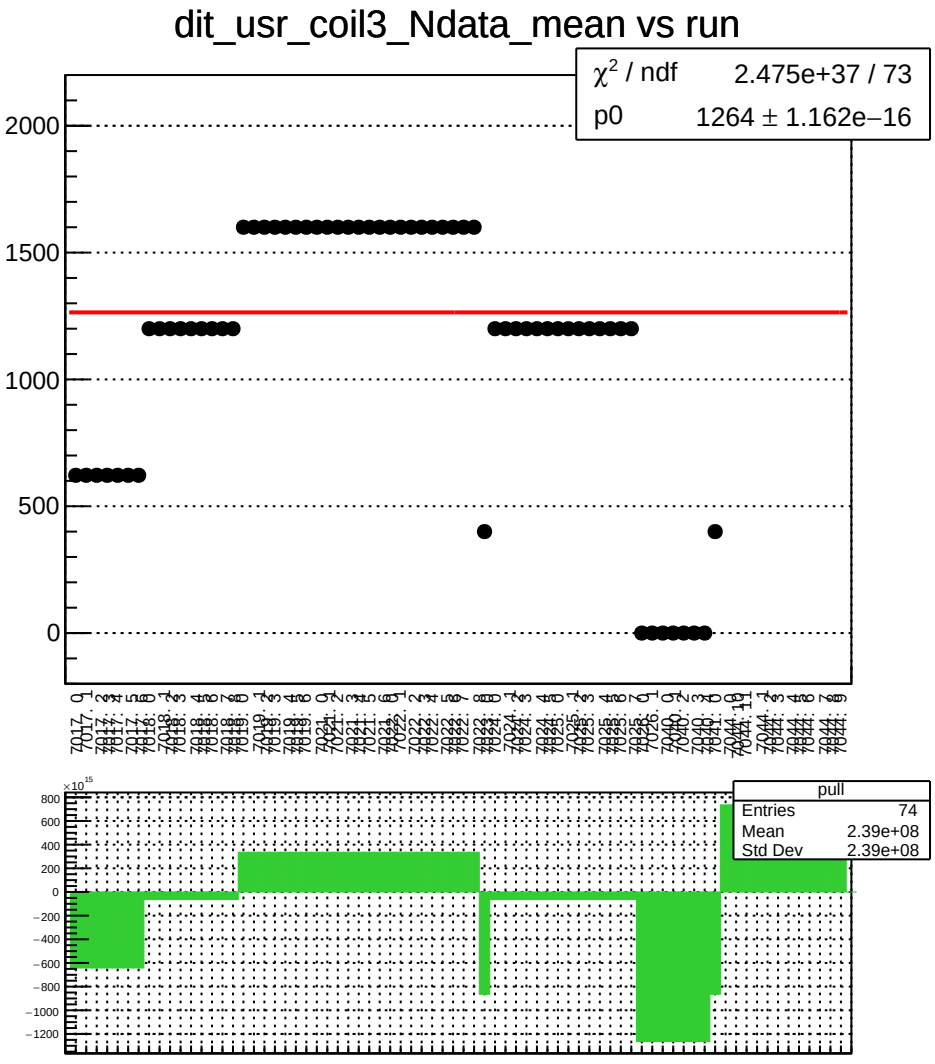

pull1D
Entries 74
Mean 0
Std Dev 0

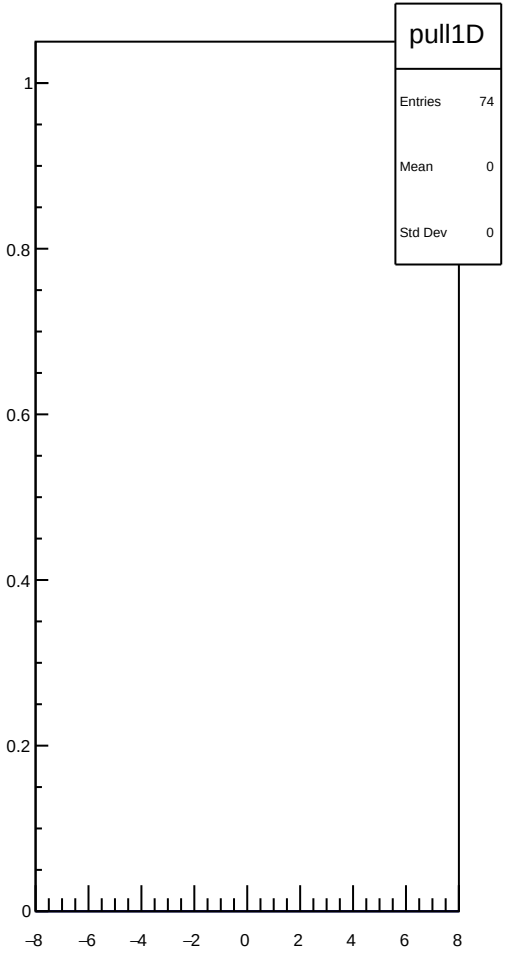

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 2.475e+37 / 73
p0 1264 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.39e+08
Std Dev 2.39e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

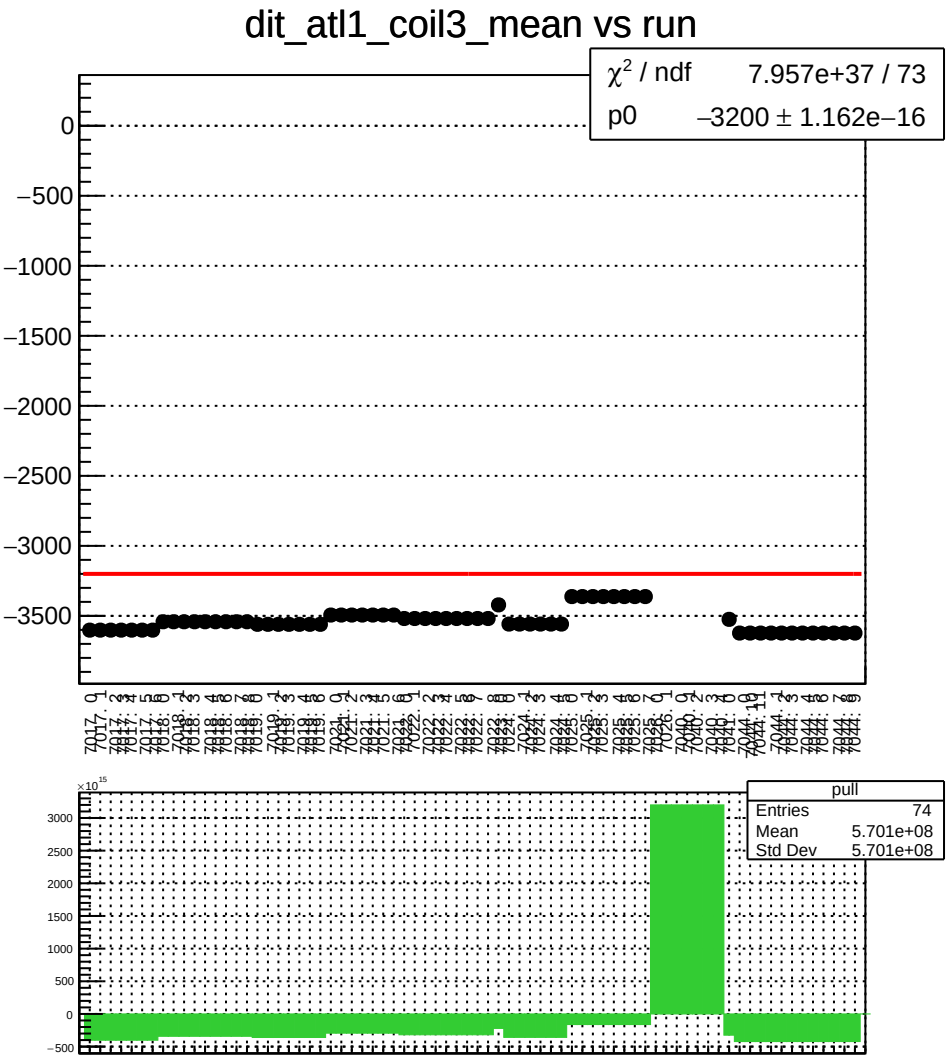

dit_usr_coil3_mean vs run
χ² / ndf 2.374e+38 / 73
p0 –5540 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 74
Mean –4.001e+08
Std Dev 4.001e+08
×10¹⁵
5000
4000
3000
2000
1000
0
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

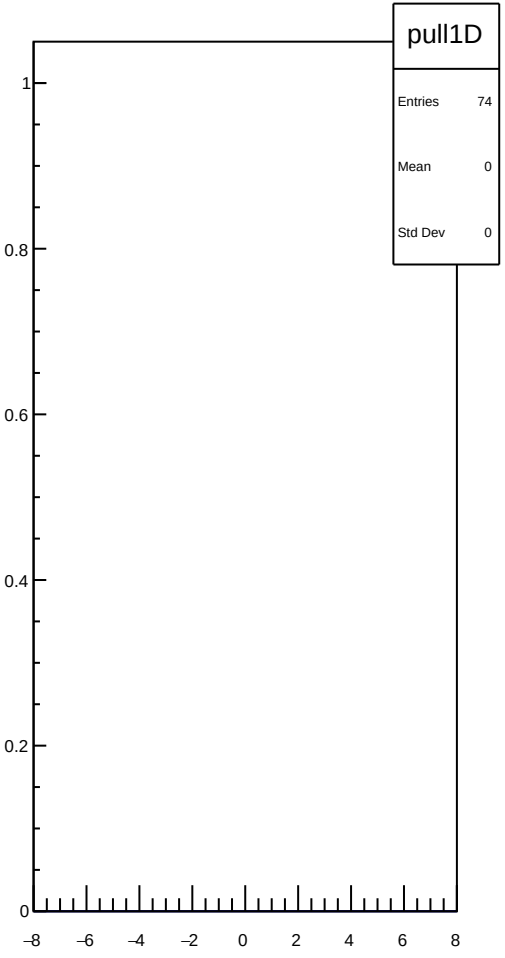

dit_usr_coil3_err_mean vs run
χ² / ndf 2.66e+35 / 73
p0 152.5 ± 1.162e−16
pull
Entries 74
Mean 1.116e+09
Std Dev 1.116e+09


pull1D
Entries 74
Mean 0
Std Dev 0

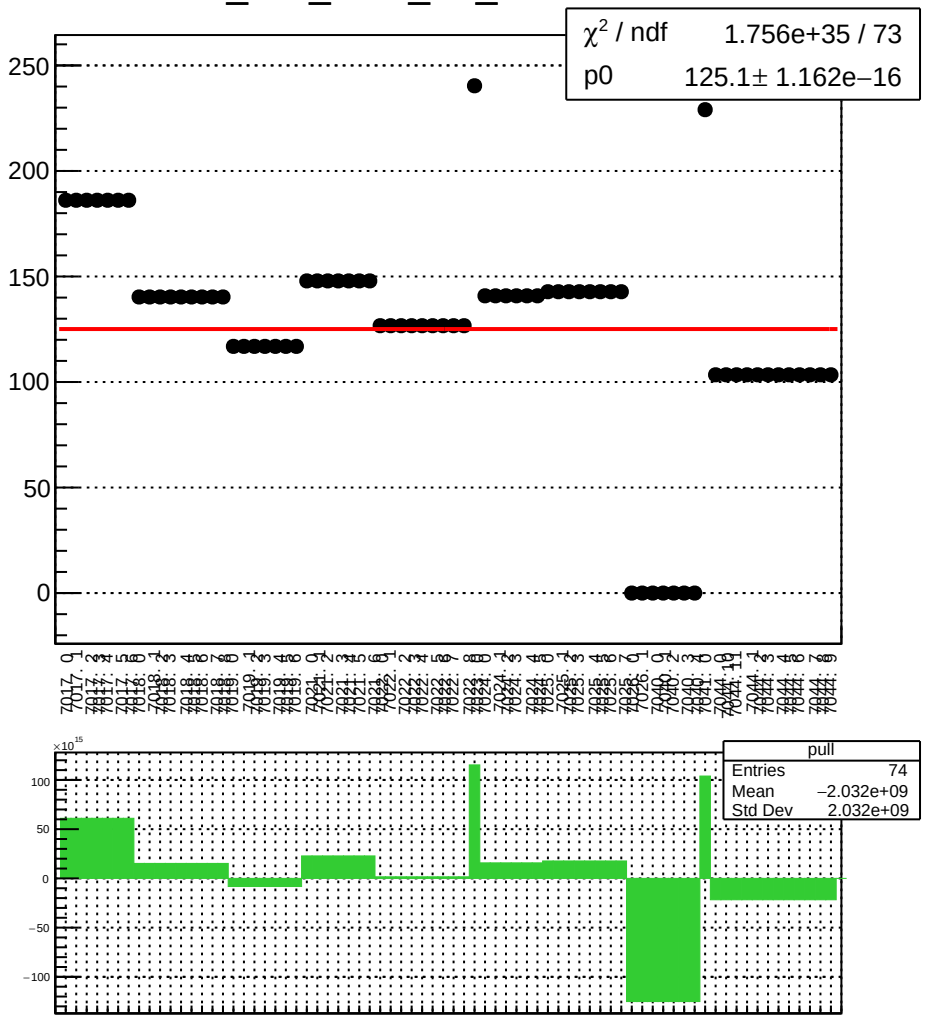

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 2.475e+37 / 73
p0 1264 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.39e+08
Std Dev 2.39e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

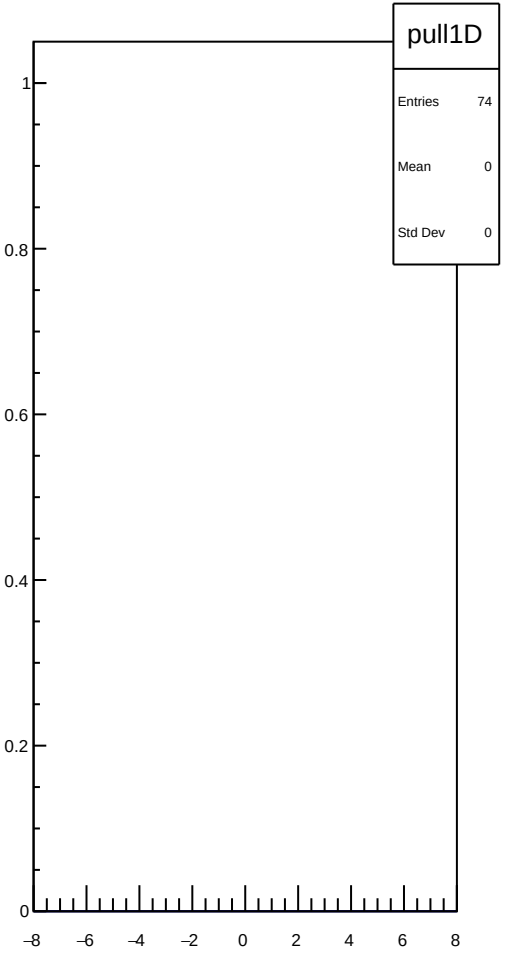

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil3_mean vs run
χ^2 / ndf 7.957e+37 / 73
p0 –3200 ± 1.162e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
pull
Entries 74
Mean 5.701e+08
Std Dev 5.701e+08
×10^15
3000
2500
2000
1500
1000
500
0
–500

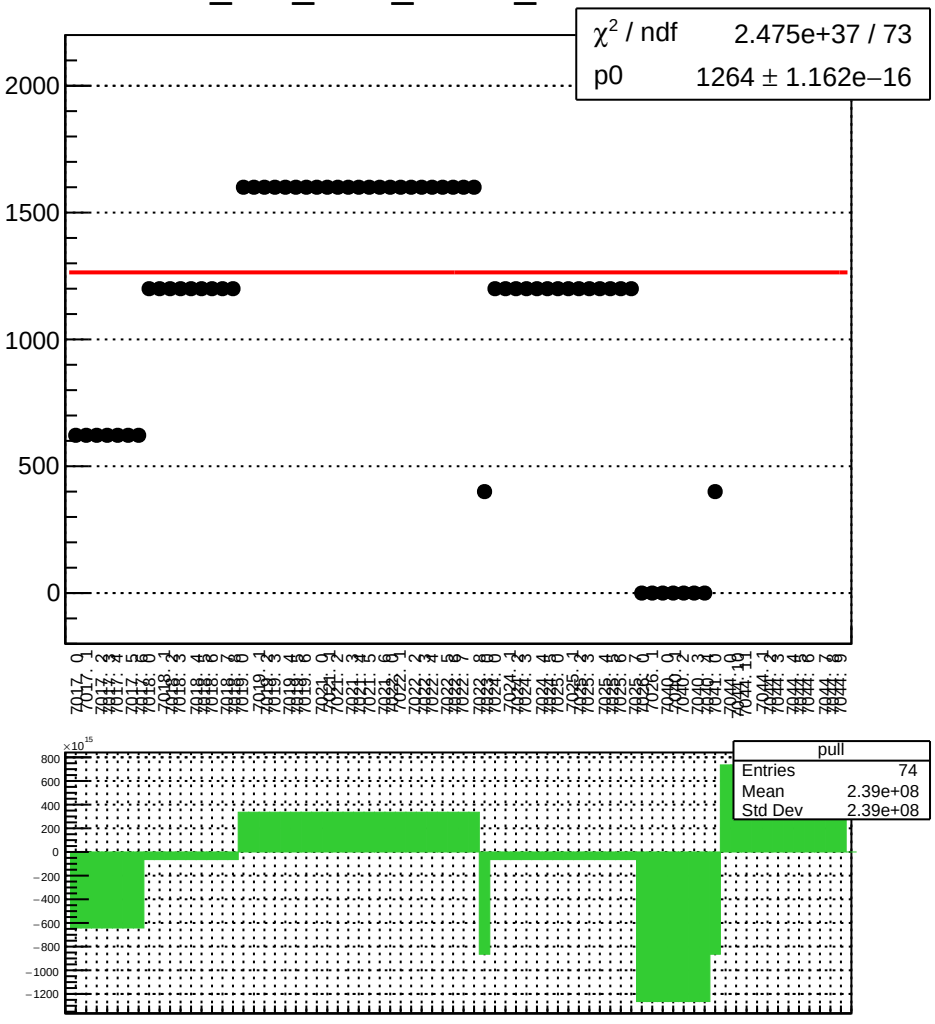

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

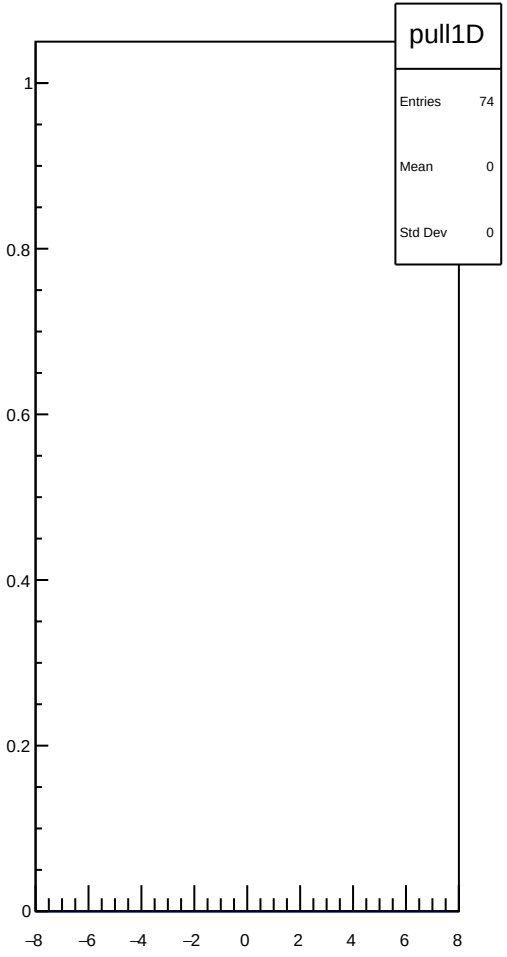
dit_atl1_coil3_err_mean vs run

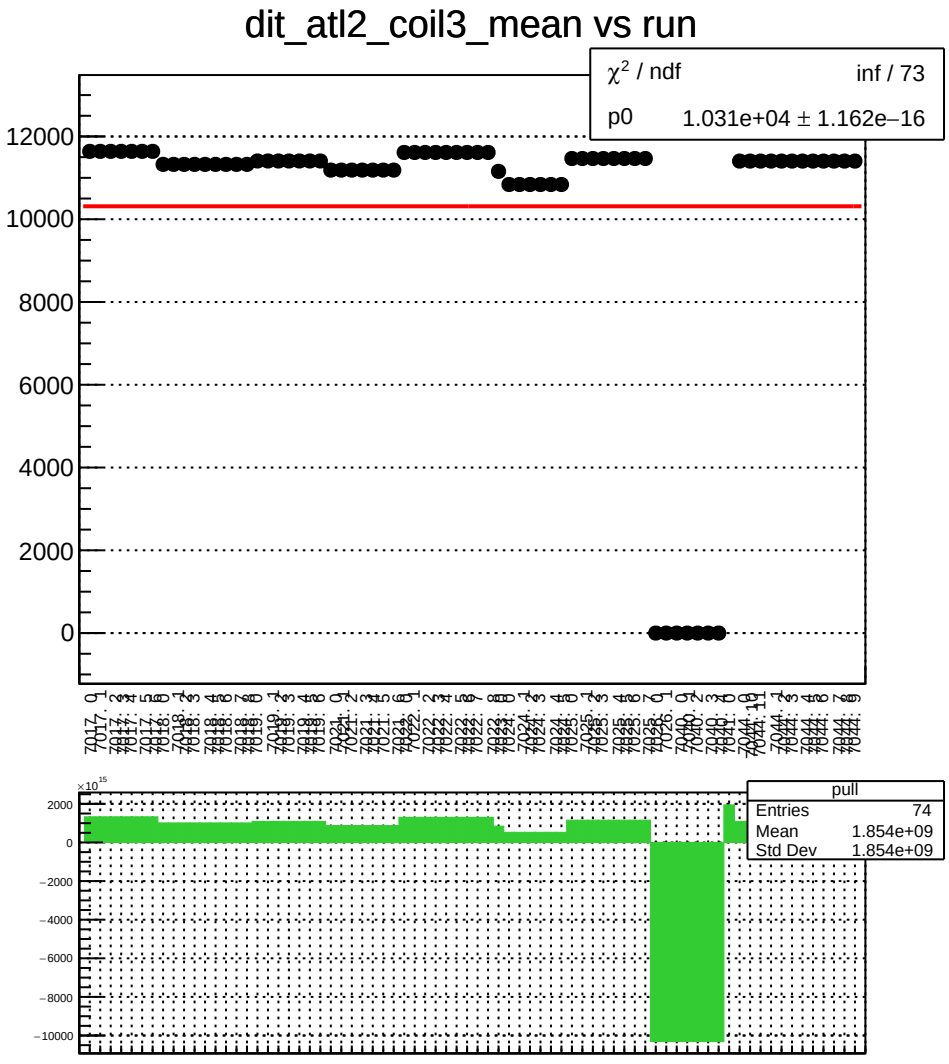


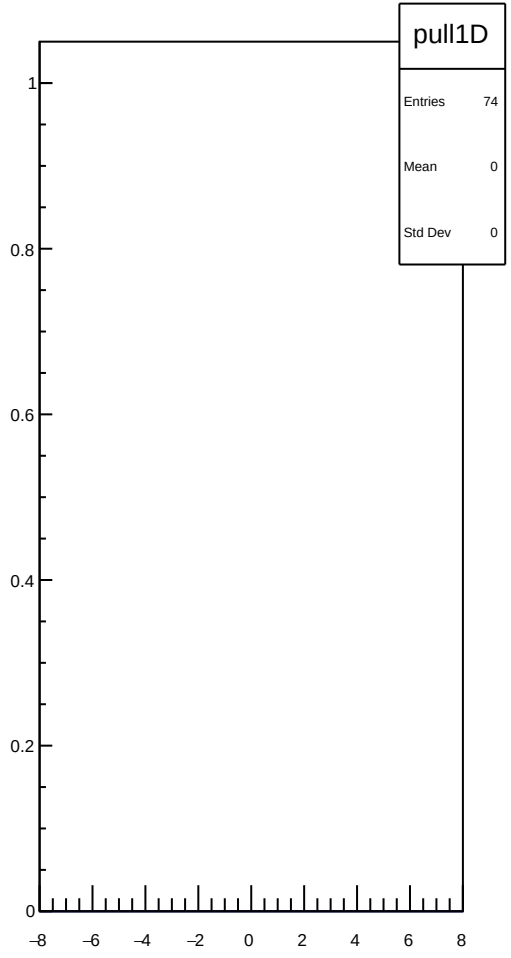


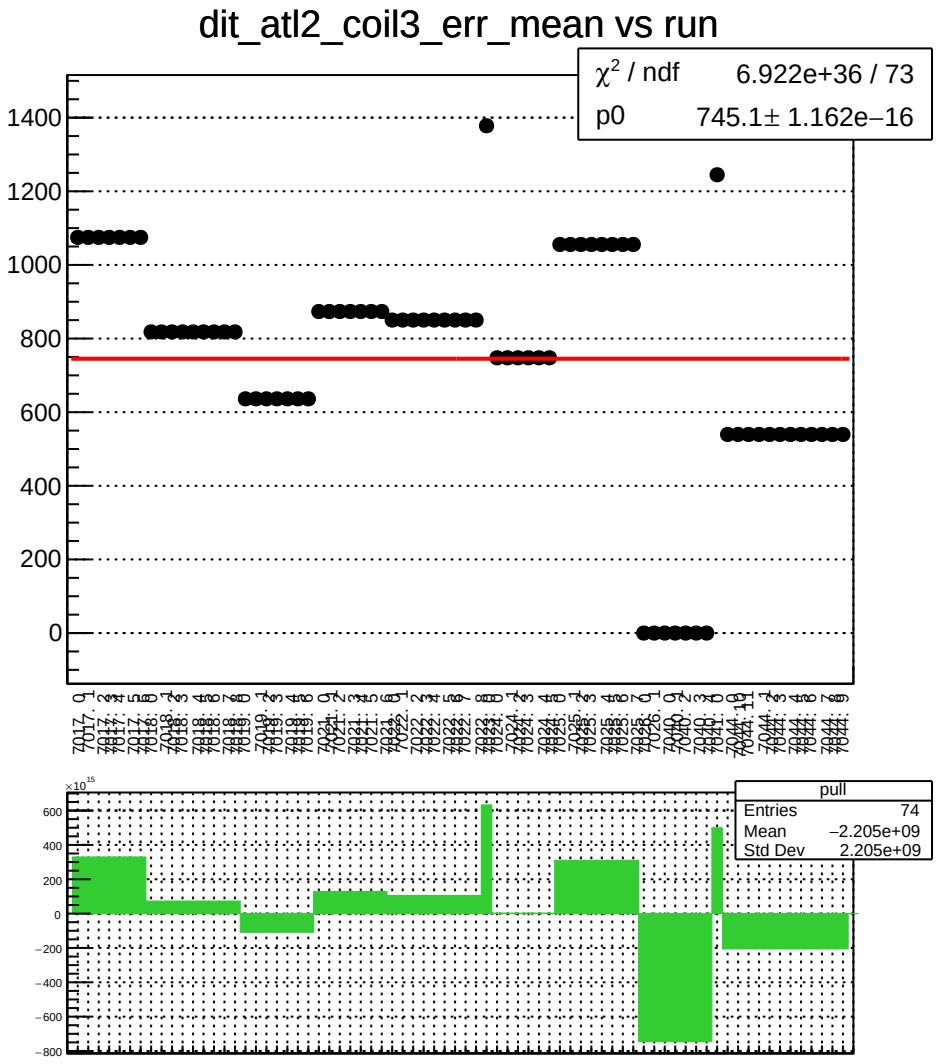
dit_atl1_coil3_Ndata_mean vs run

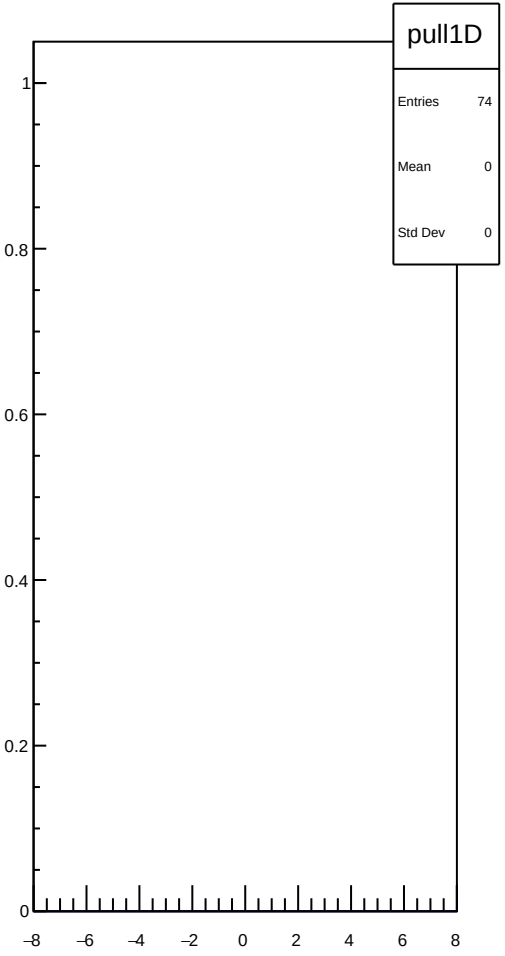




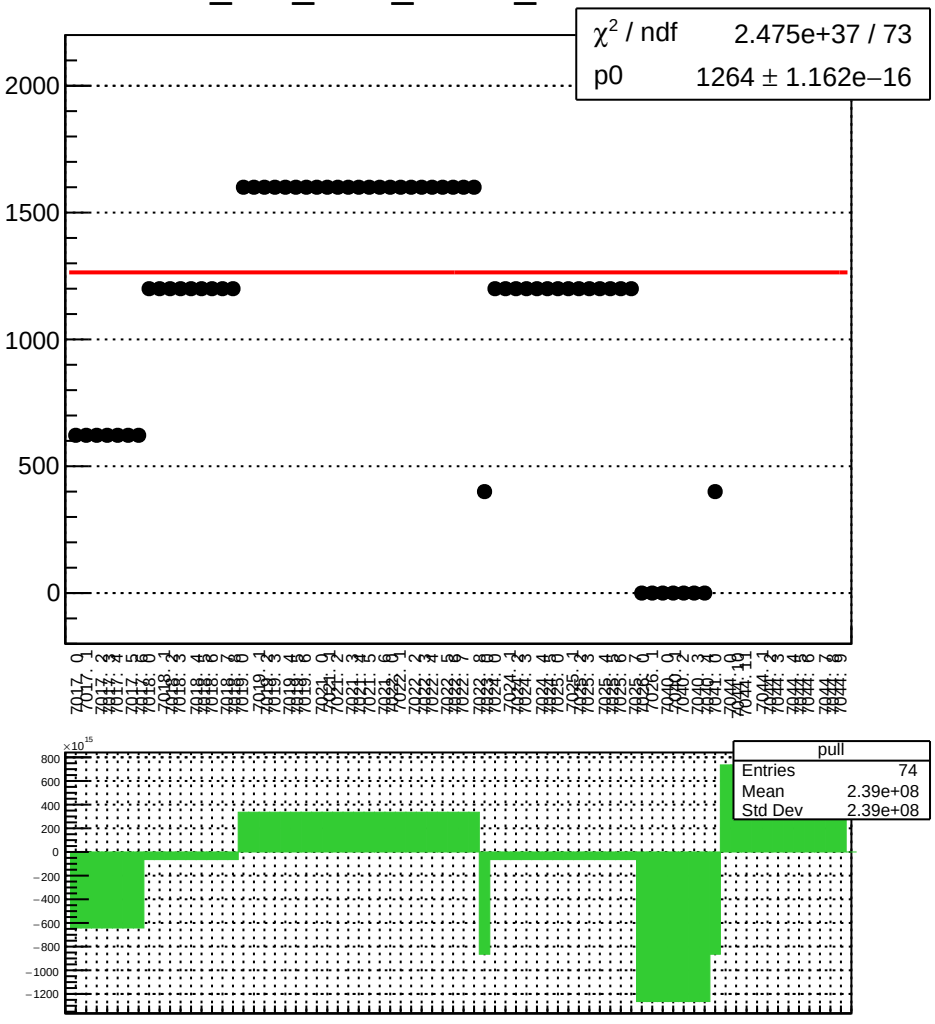

dit_atl2_coil3_mean vs run
χ² / ndf inf / 73
p0 1.031e+04 ± 1.162e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 74
Mean 1.854e+09
Std Dev 1.854e+09
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000

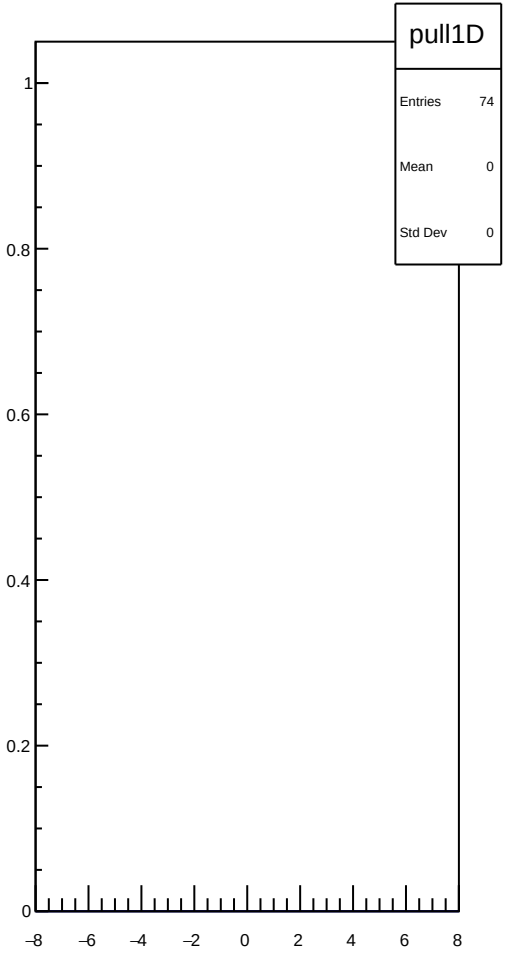

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

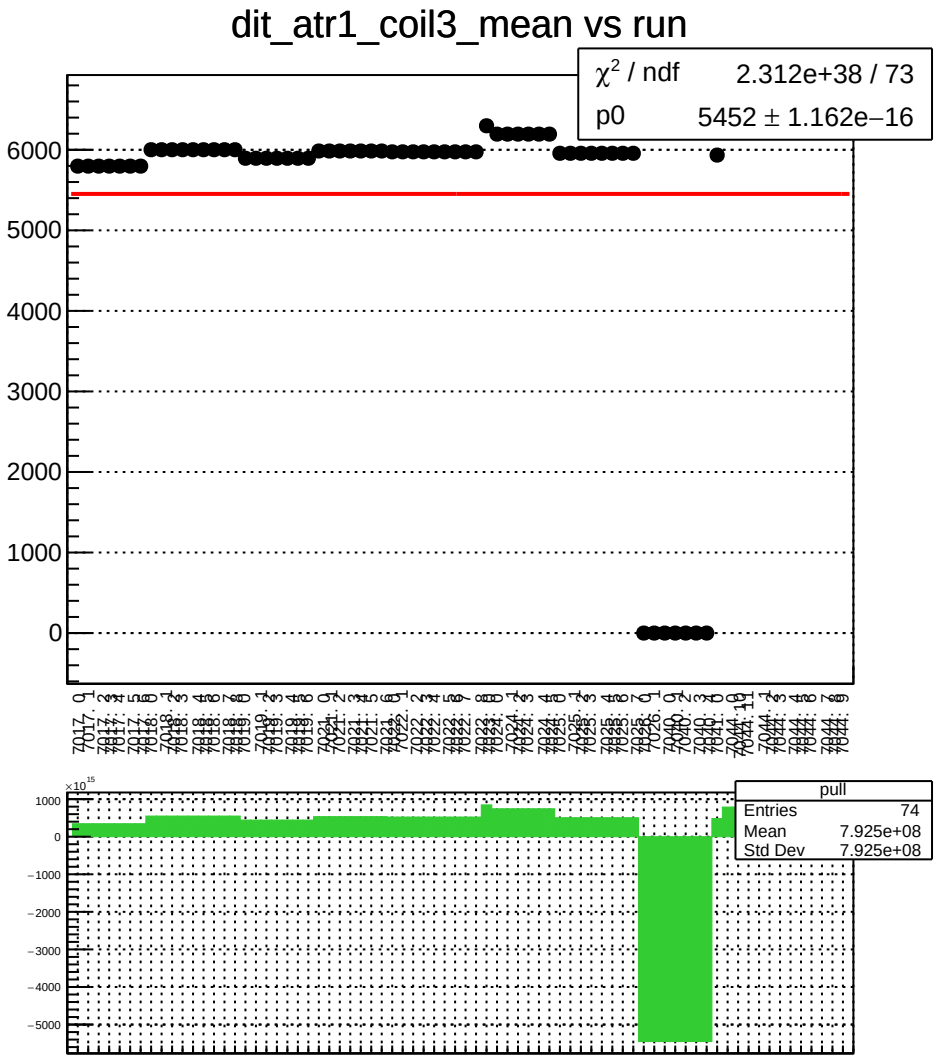

dit_atl2_coil3_err_mean vs run
χ² / ndf 6.922e+36 / 73
p0 745.1± 1.162e−16
pull
Entries 74
Mean −2.205e+09
Std Dev 2.205e+09

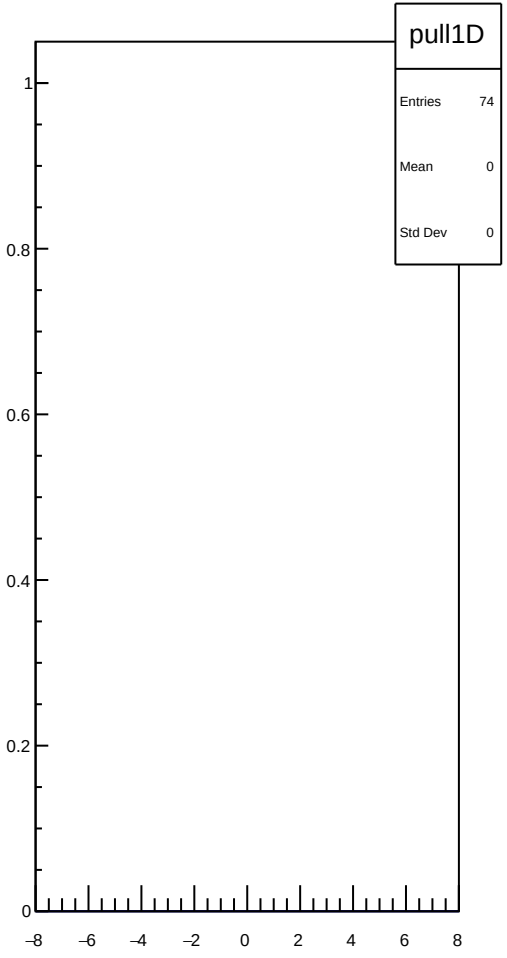

pull1D
Entries 74
Mean 0
Std Dev 0

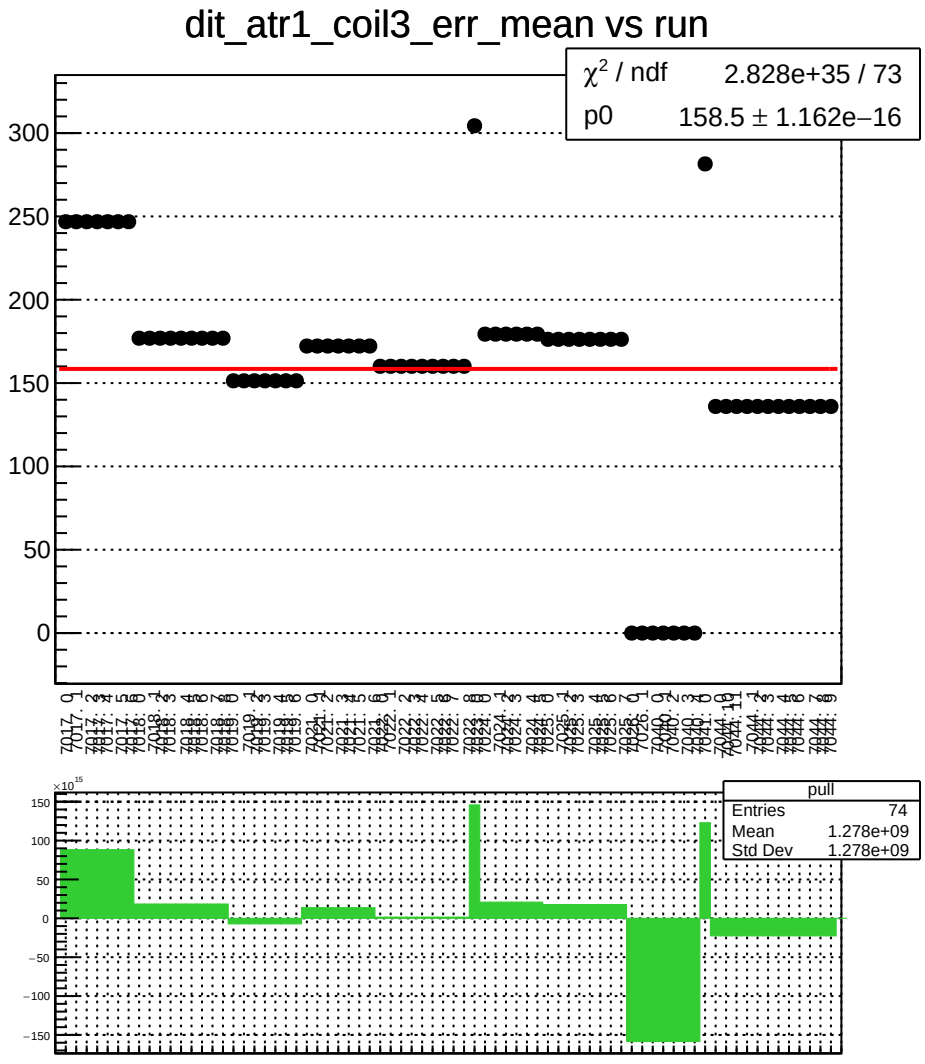
dit_atl2_coil3_Ndata_mean vs run

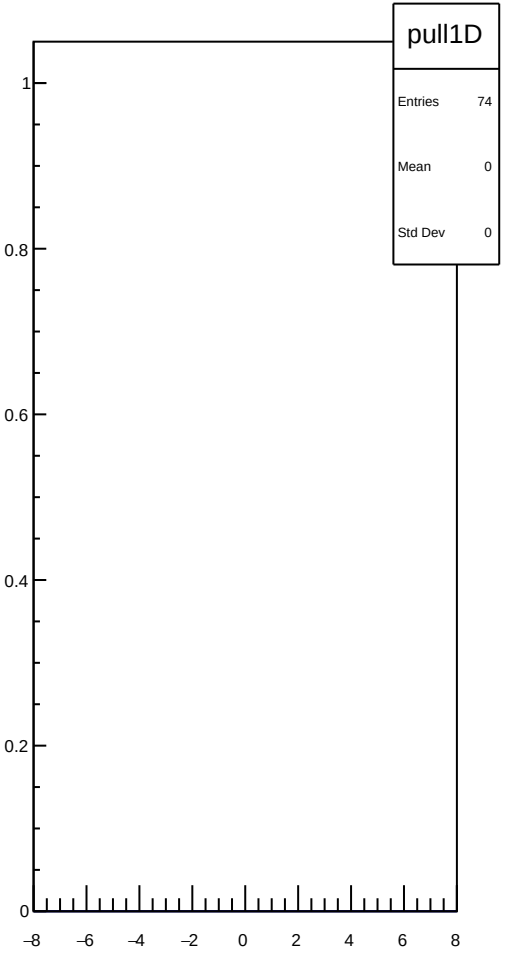




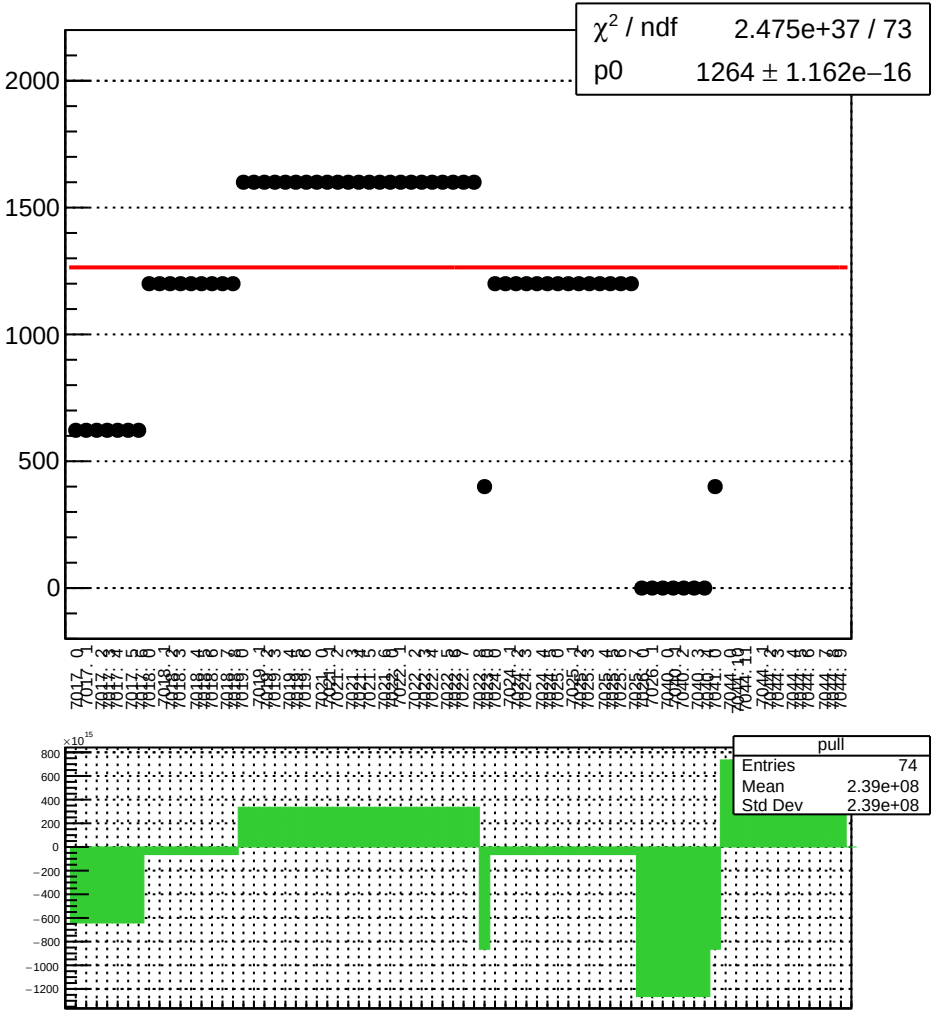

dit_atr1_coil3_mean vs run
χ² / ndf 2.312e+38 / 73
p0 5452 ± 1.162e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean 7.925e+08
Std Dev 7.925e+08
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000

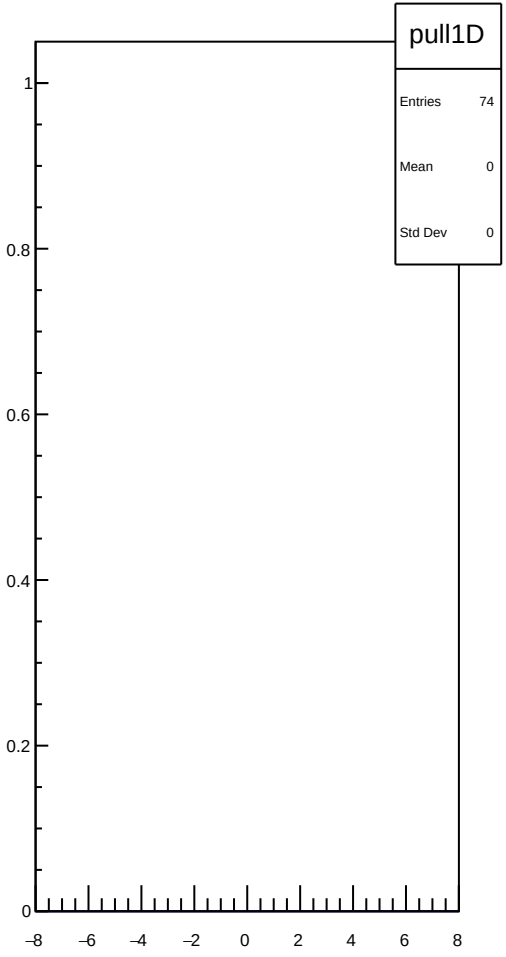

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

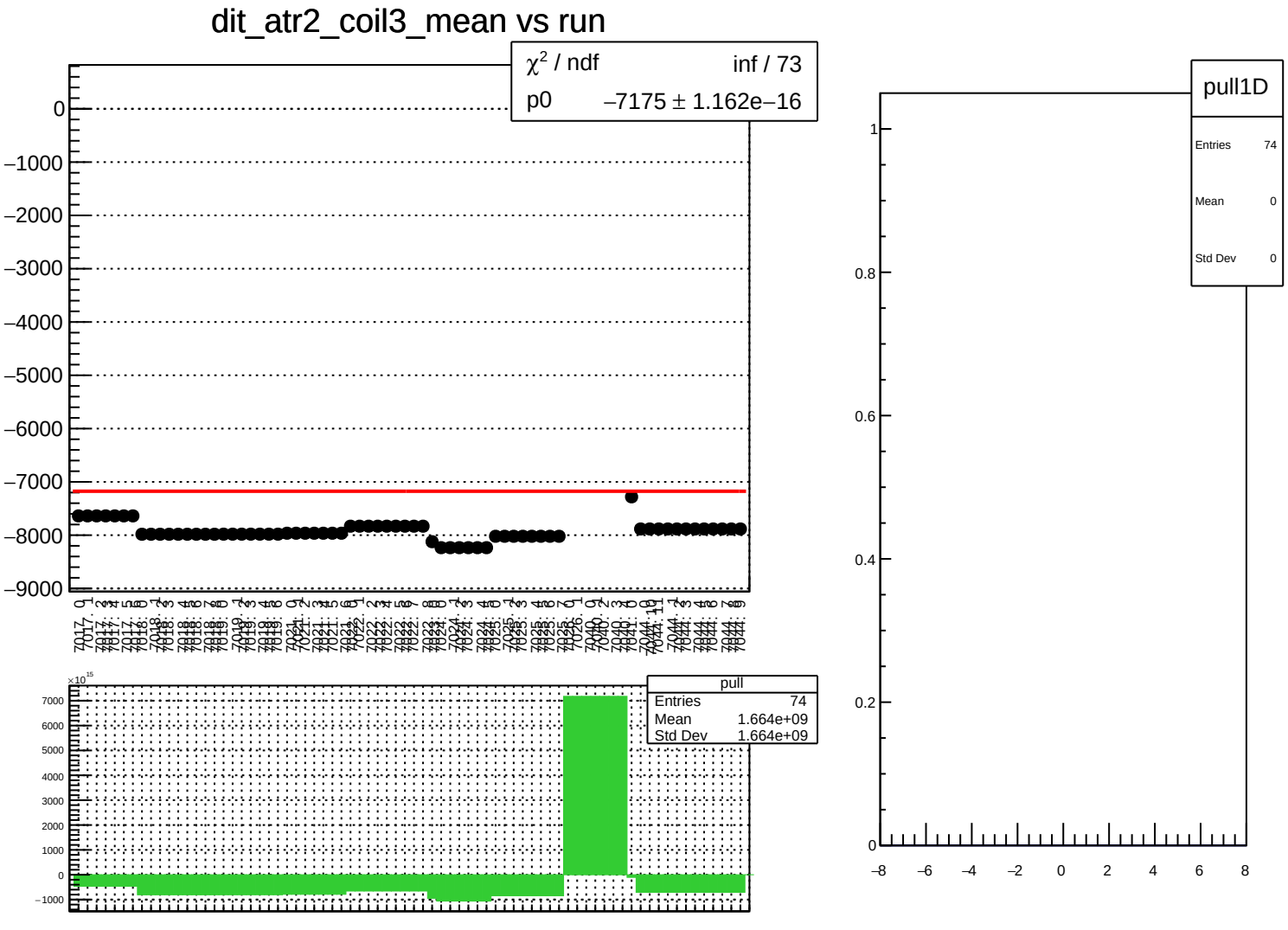

dit_atr1_coil3_err_mean vs run
χ² / ndf 2.828e+35 / 73
p0 158.5 ± 1.162e−16
pull
Entries 74
Mean 1.278e+09
Std Dev 1.278e+09

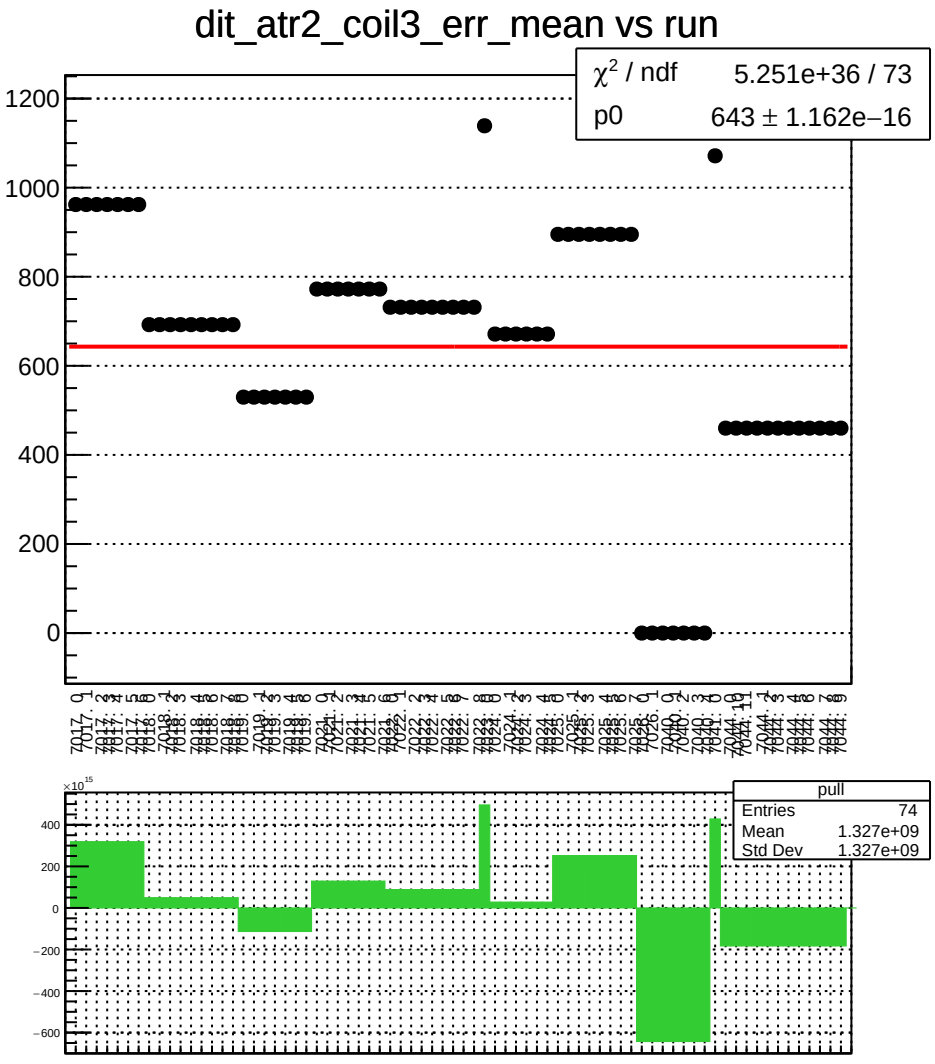

pull1D
Entries 74
Mean 0
Std Dev 0

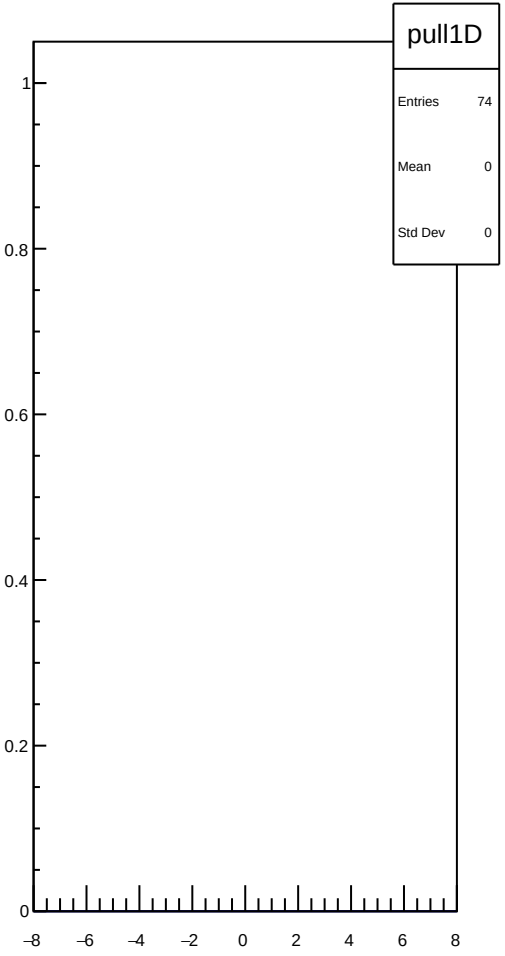
dit_atr1_coil3_Ndata_mean vs run

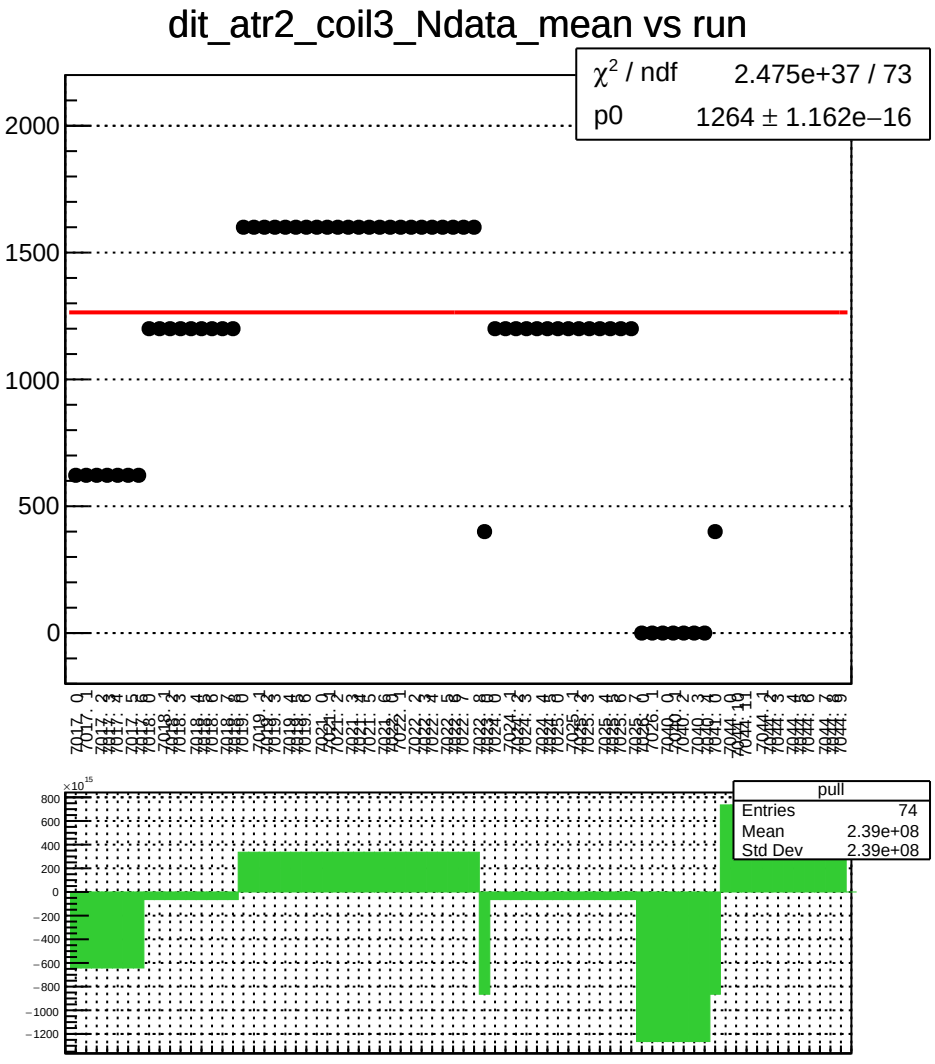


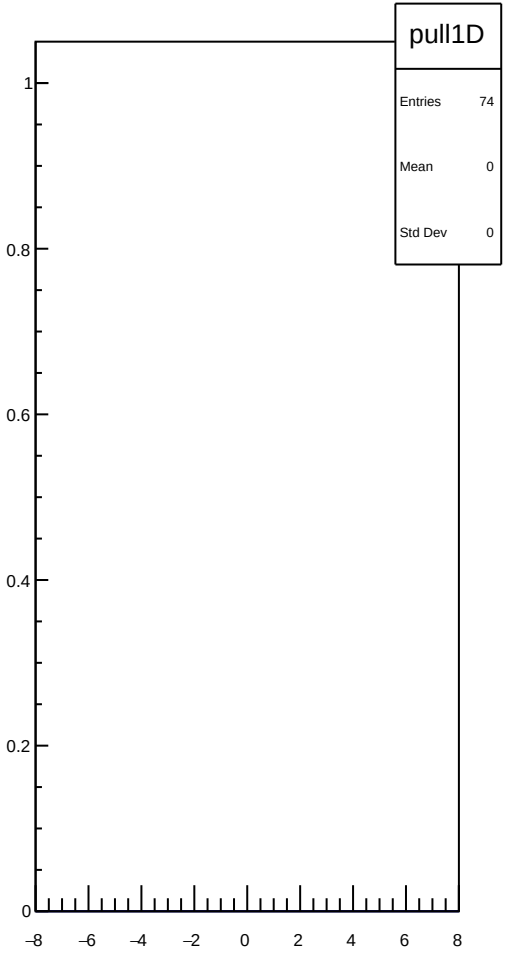


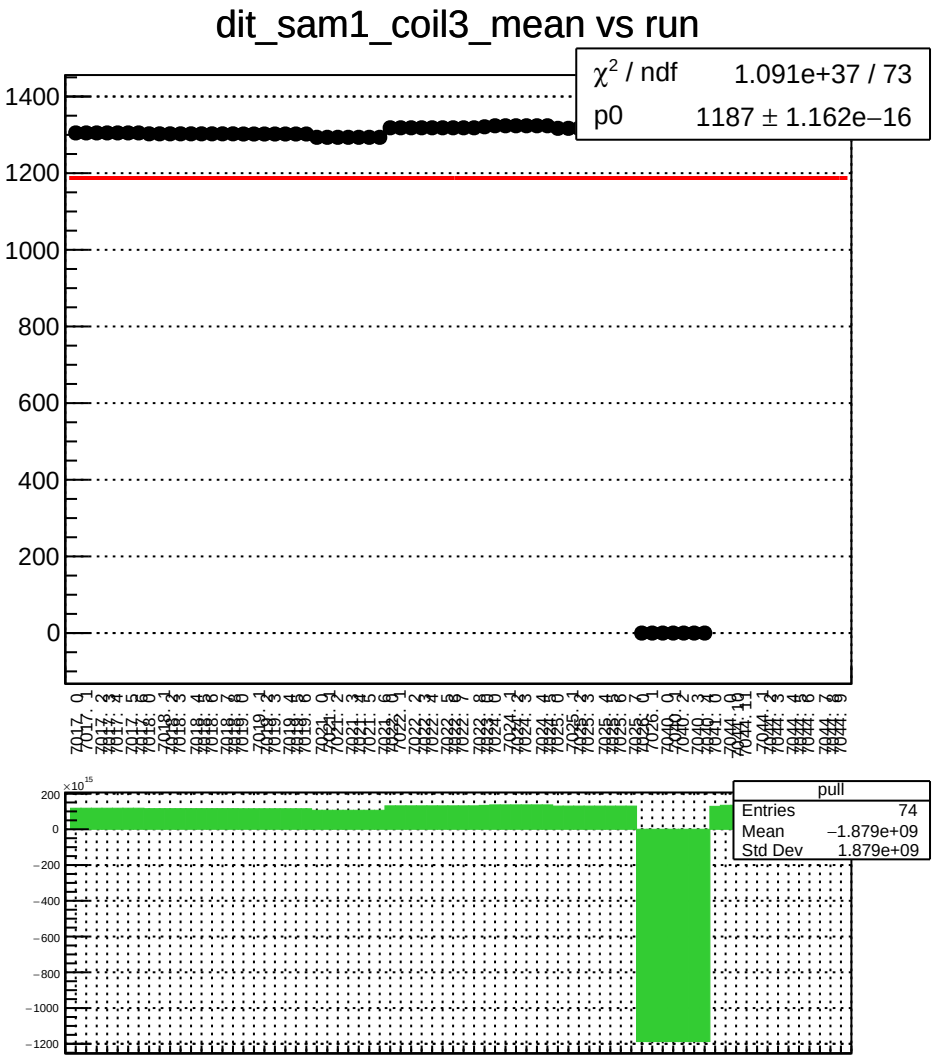

dit_atr2_coil3_mean vs run
χ² / ndf inf / 73
p0 −7175 ± 1.162e−16
pull
Entries 74
Mean 1.664e+09
Std Dev 1.664e+09
pull1D
Entries 74
Mean 0
Std Dev 0

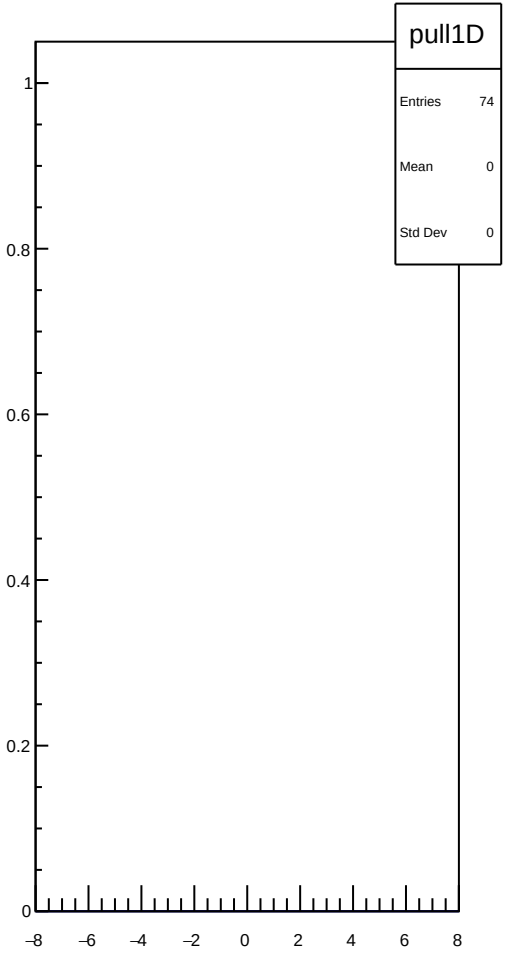

dit_atr2_coil3_err_mean vs run
χ² / ndf 5.251e+36 / 73
p0 643 ± 1.162e−16
pull
Entries 74
Mean 1.327e+09
Std Dev 1.327e+09

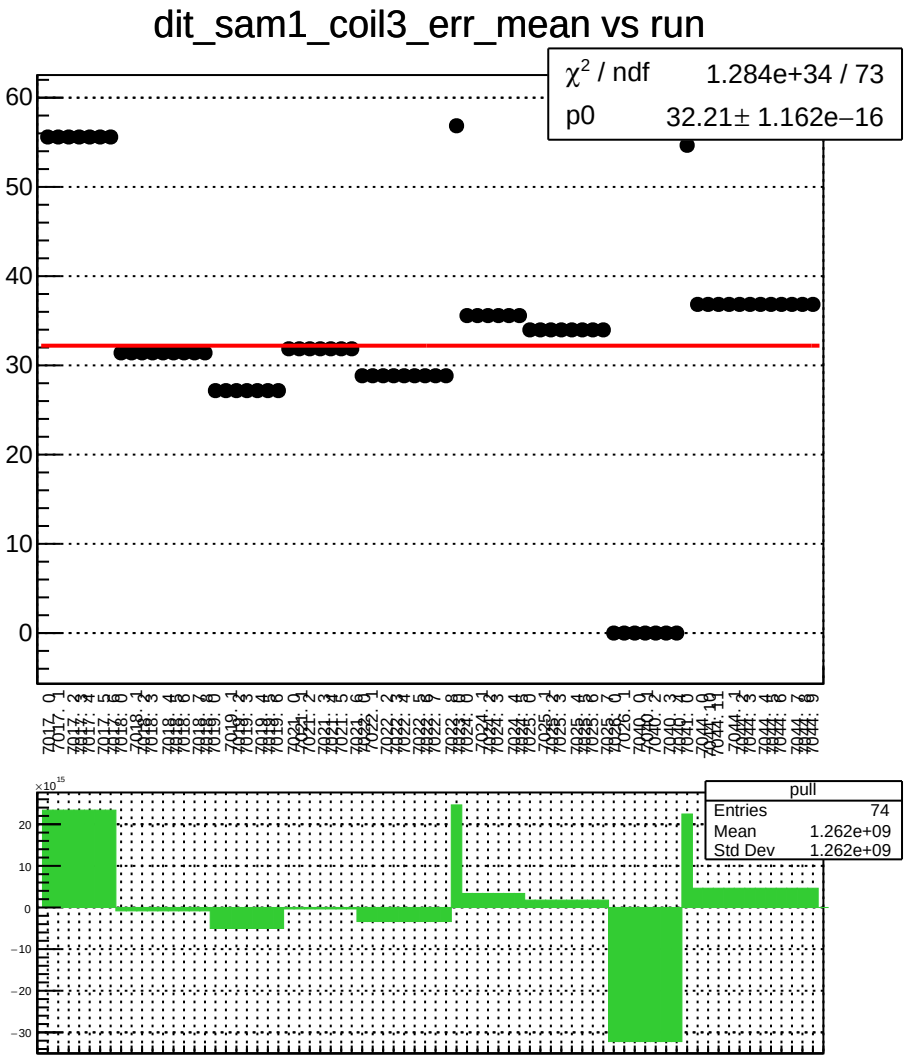

pull1D
Entries 74
Mean 0
Std Dev 0

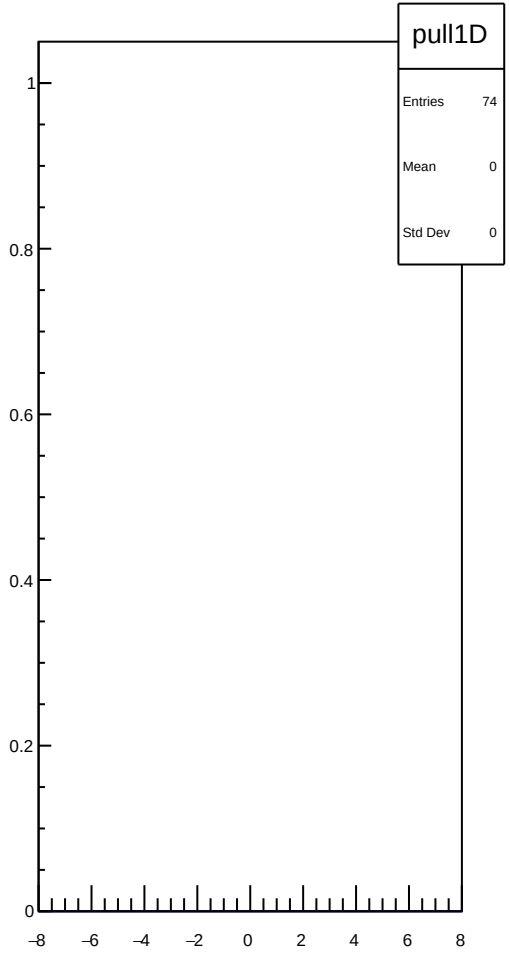

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 2.475e+37 / 73
p0 1264 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.39e+08
Std Dev 2.39e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

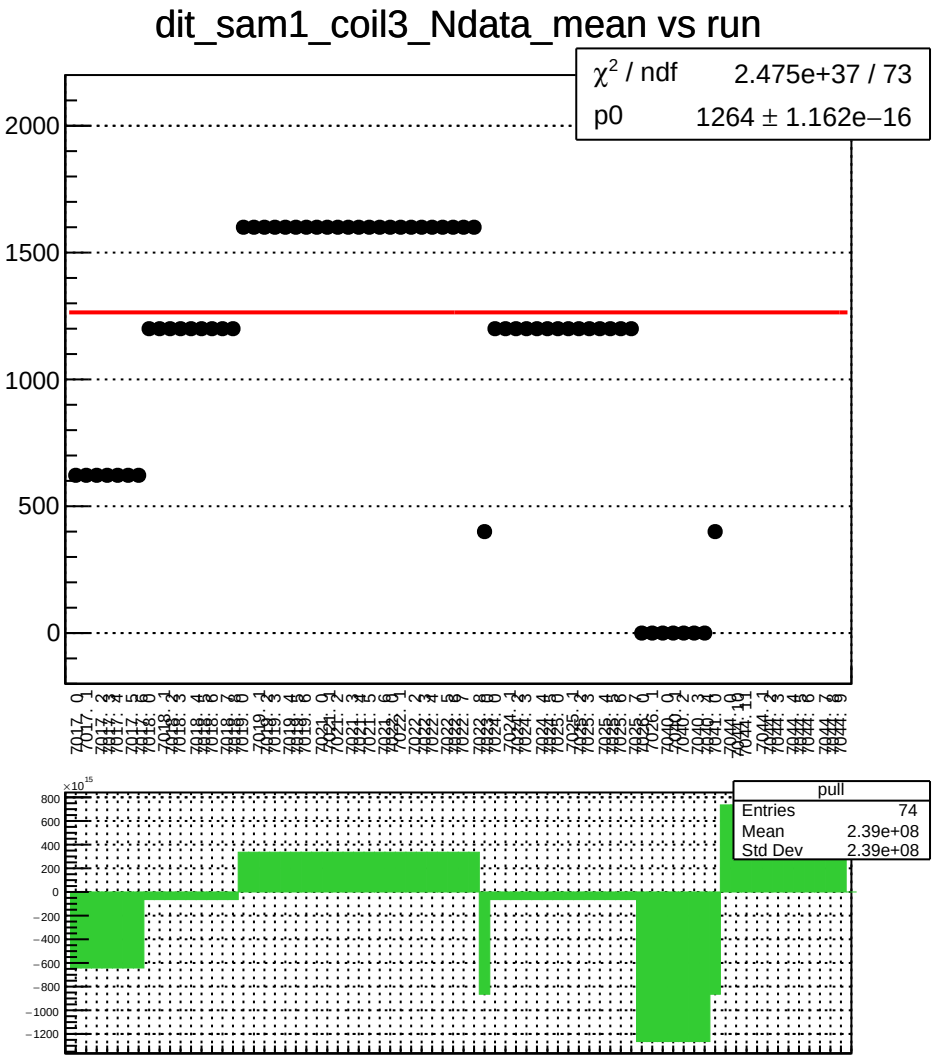

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

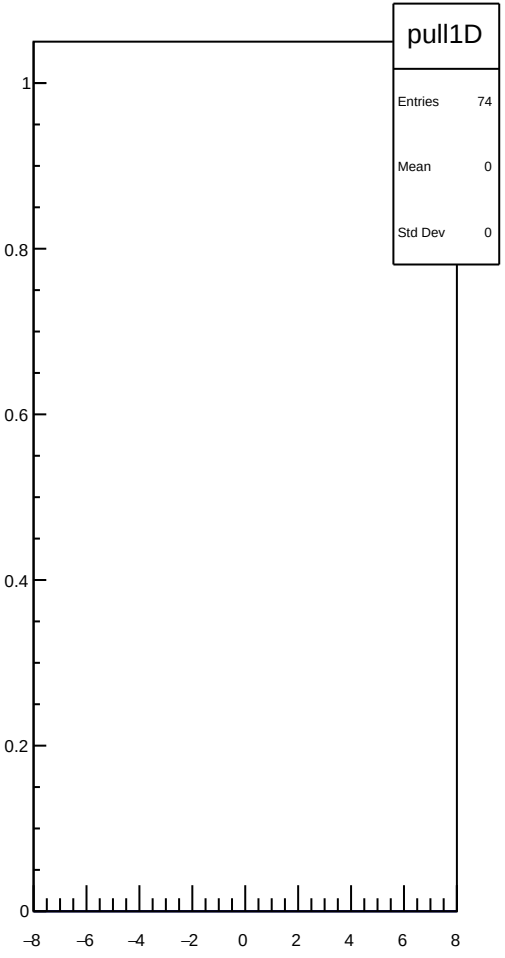

dit_sam1_coil3_mean vs run
χ² / ndf 1.091e+37 / 73
p0 1187 ± 1.162e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 74
Mean −1.879e+09
Std Dev 1.879e+09
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200

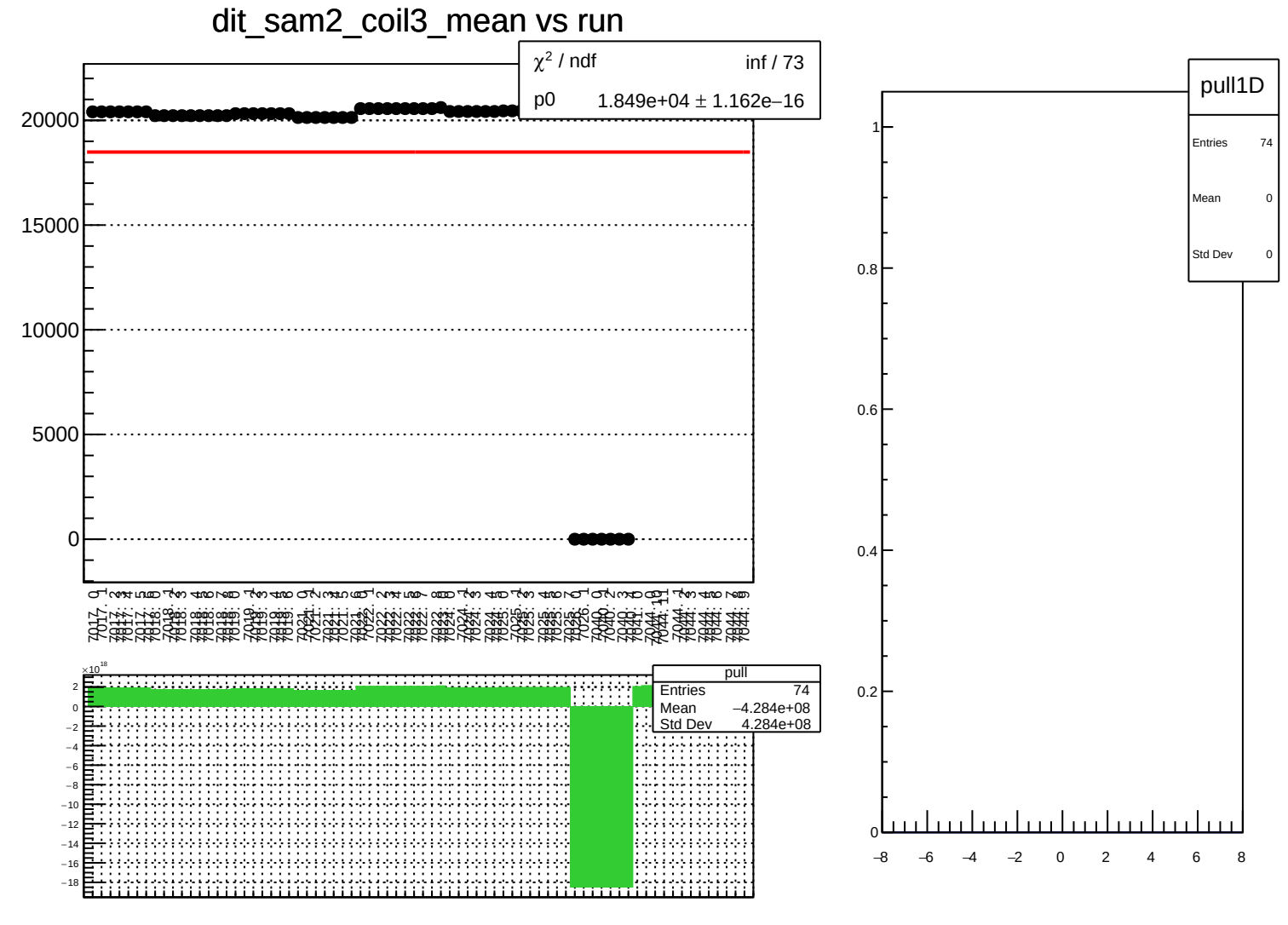

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

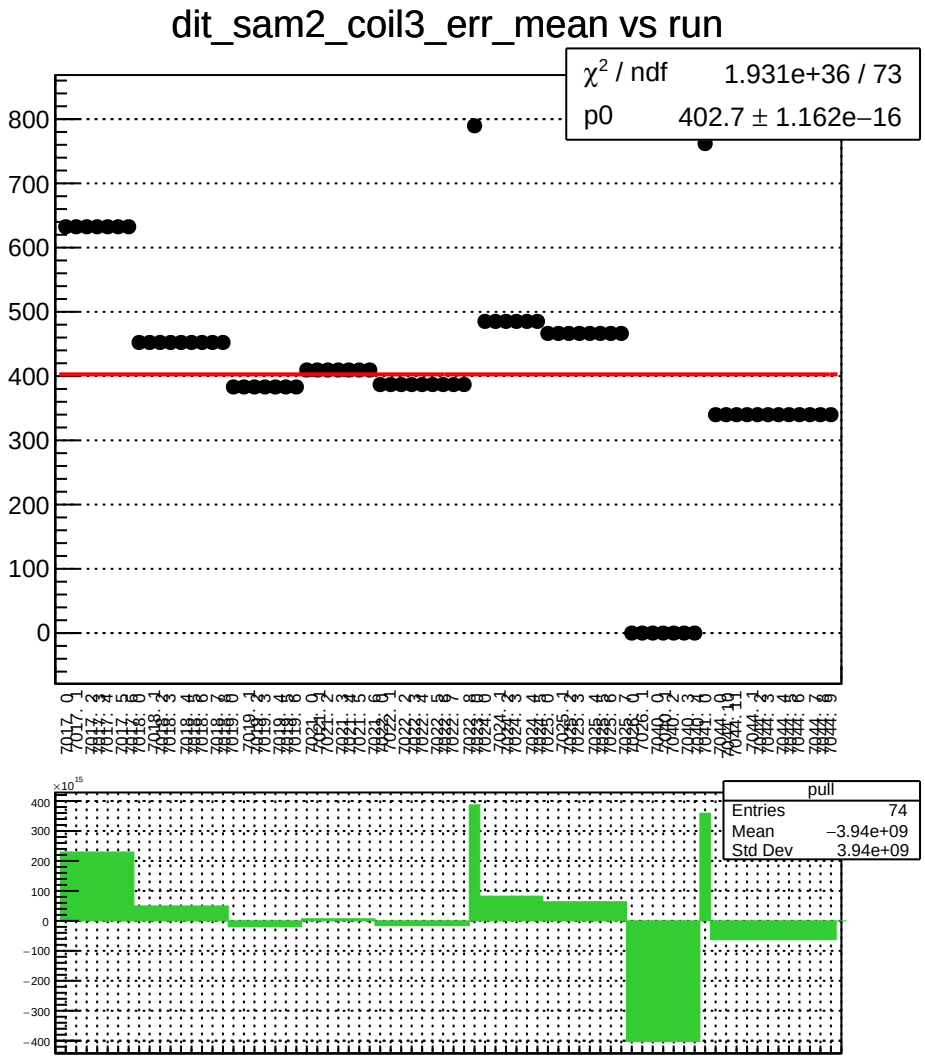

dit_sam1_coil3_err_mean vs run
χ² / ndf 1.284e+34 / 73
p0 32.21± 1.162e−16
pull
Entries 74
Mean 1.262e+09
Std Dev 1.262e+09

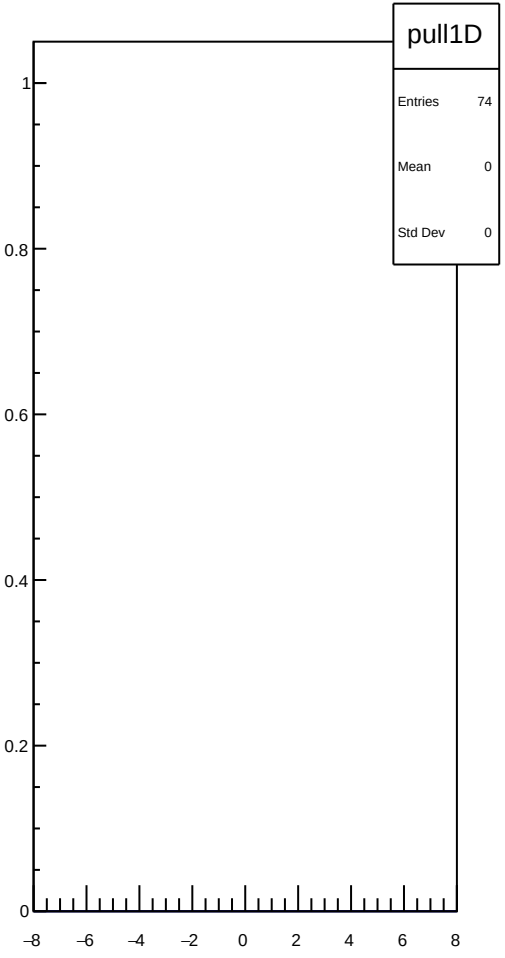

pull1D
Entries 74
Mean 0
Std Dev 0


dit_sam1_coil3_Ndata_mean vs run
χ^2 / ndf 2.475e+37 / 73
p0 1264 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.39e+08
Std Dev 2.39e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

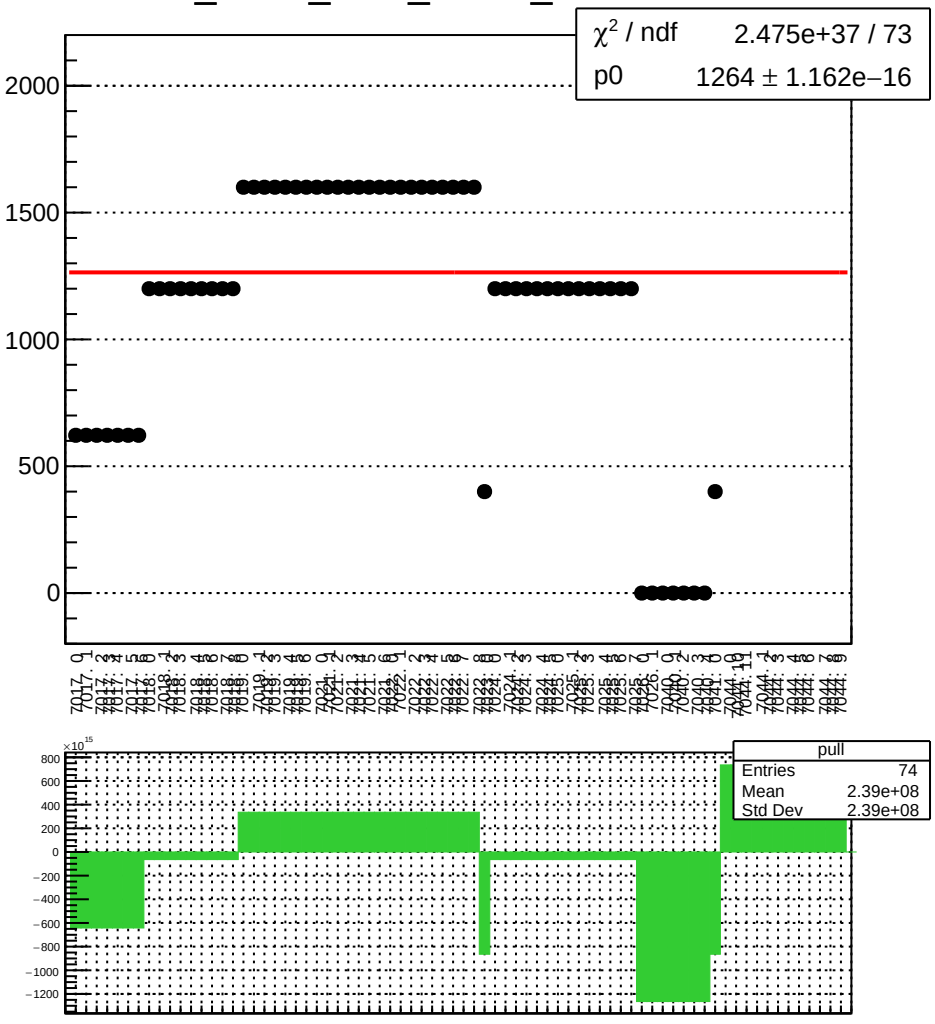

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

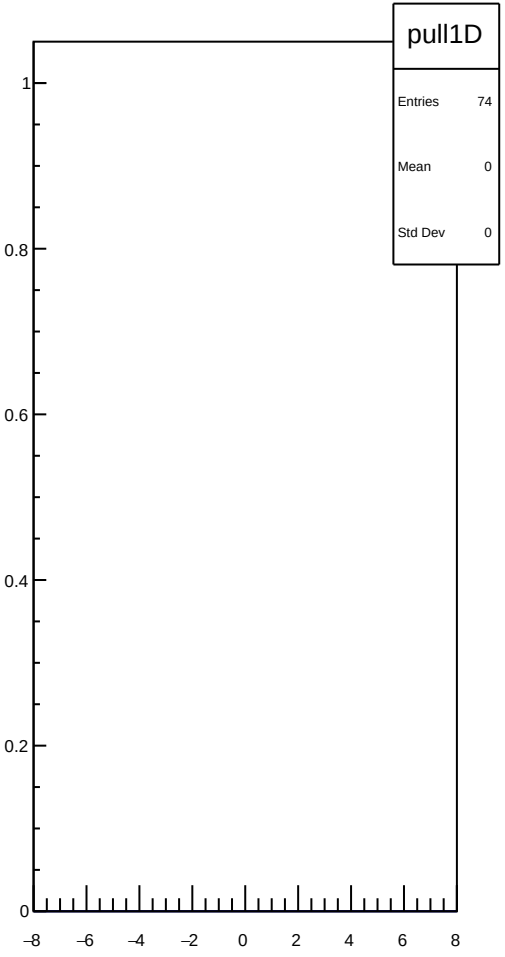

dit_sam2_coil3_mean vs run
χ² / ndf inf / 73
p0 1.849e+04 ± 1.162e−16
20000
15000
10000
5000
0
pull
Entries 74
Mean −4.284e+08
Std Dev 4.284e+08
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

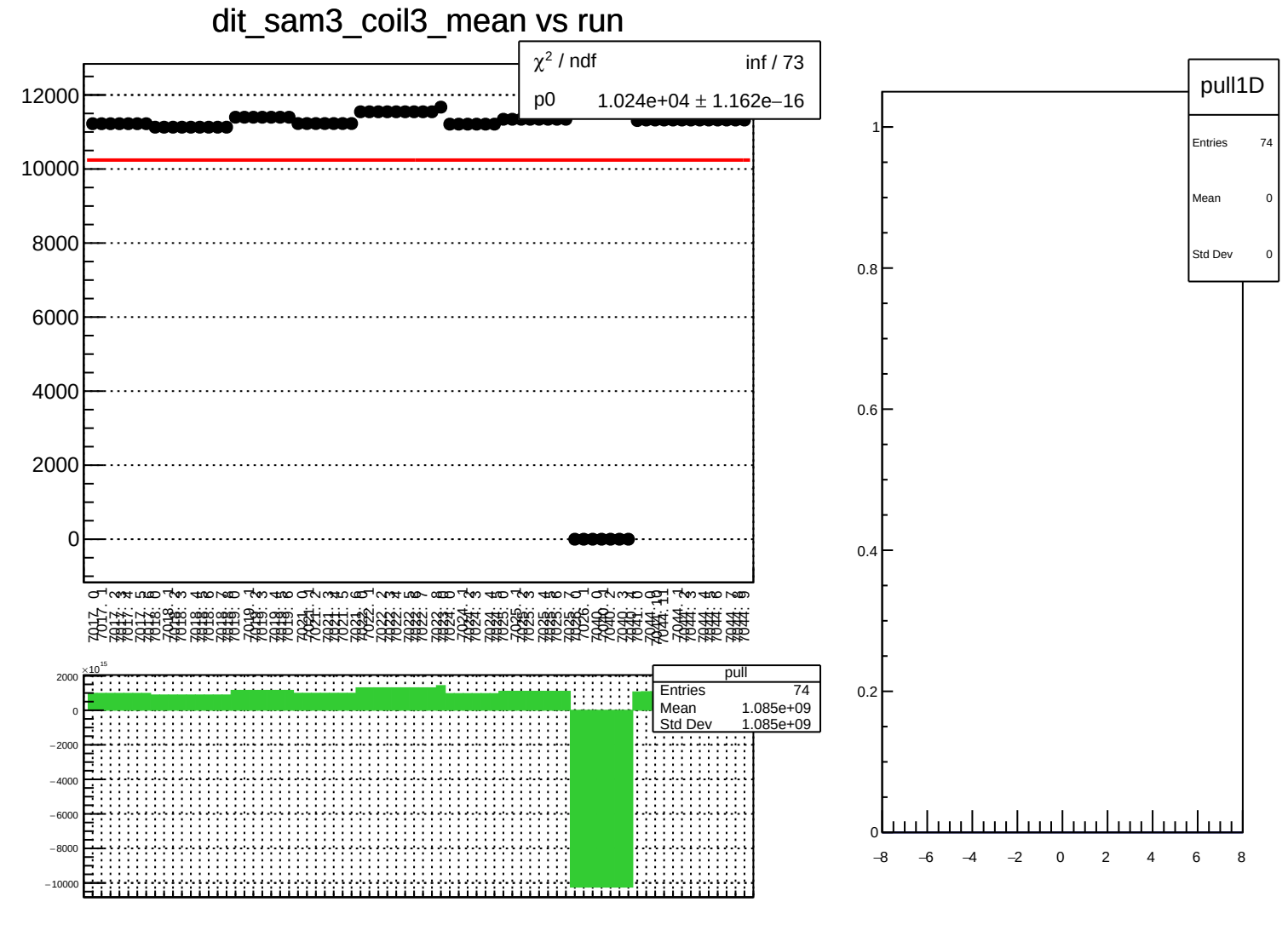

dit_sam2_coil3_err_mean vs run
χ² / ndf 1.931e+36 / 73
p0 402.7 ± 1.162e−16
pull
Entries 74
Mean −3.94e+09
Std Dev 3.94e+09

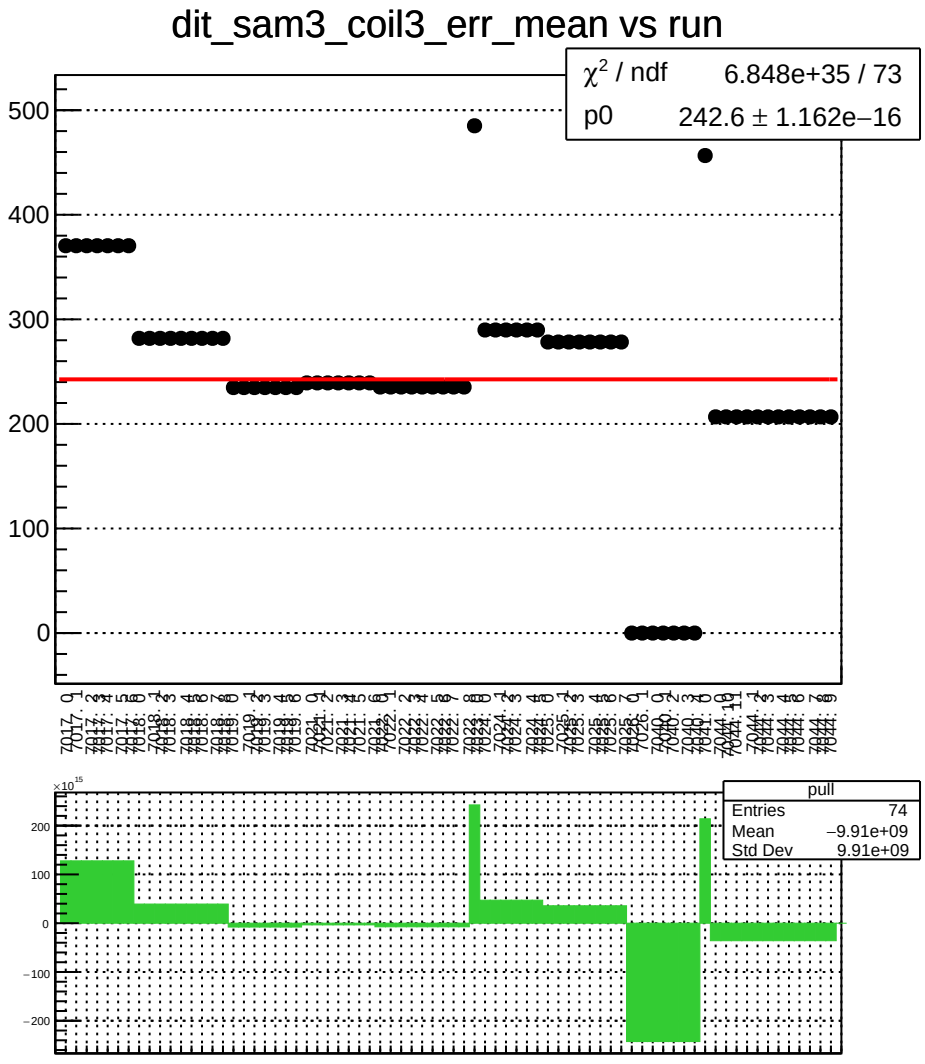

pull1D
Entries 74
Mean 0
Std Dev 0

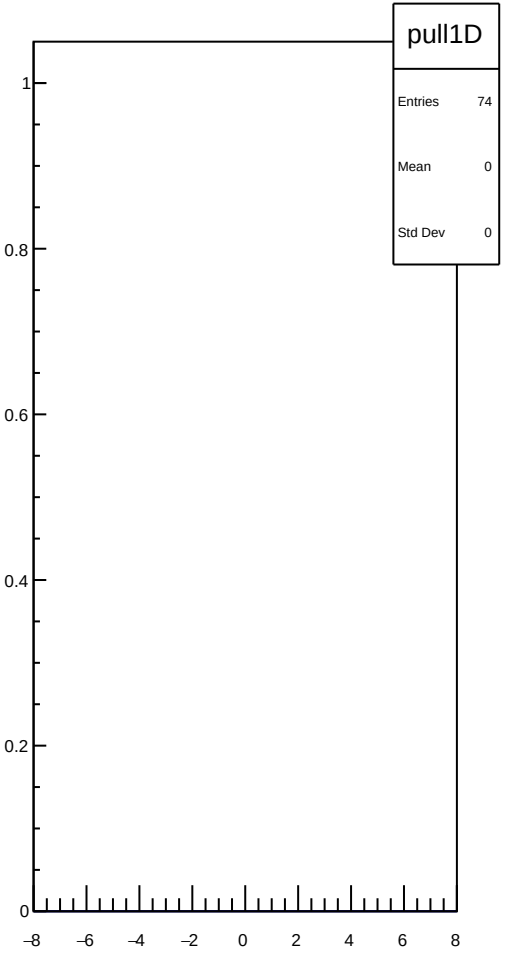
dit_sam2_coil3_Ndata_mean vs run



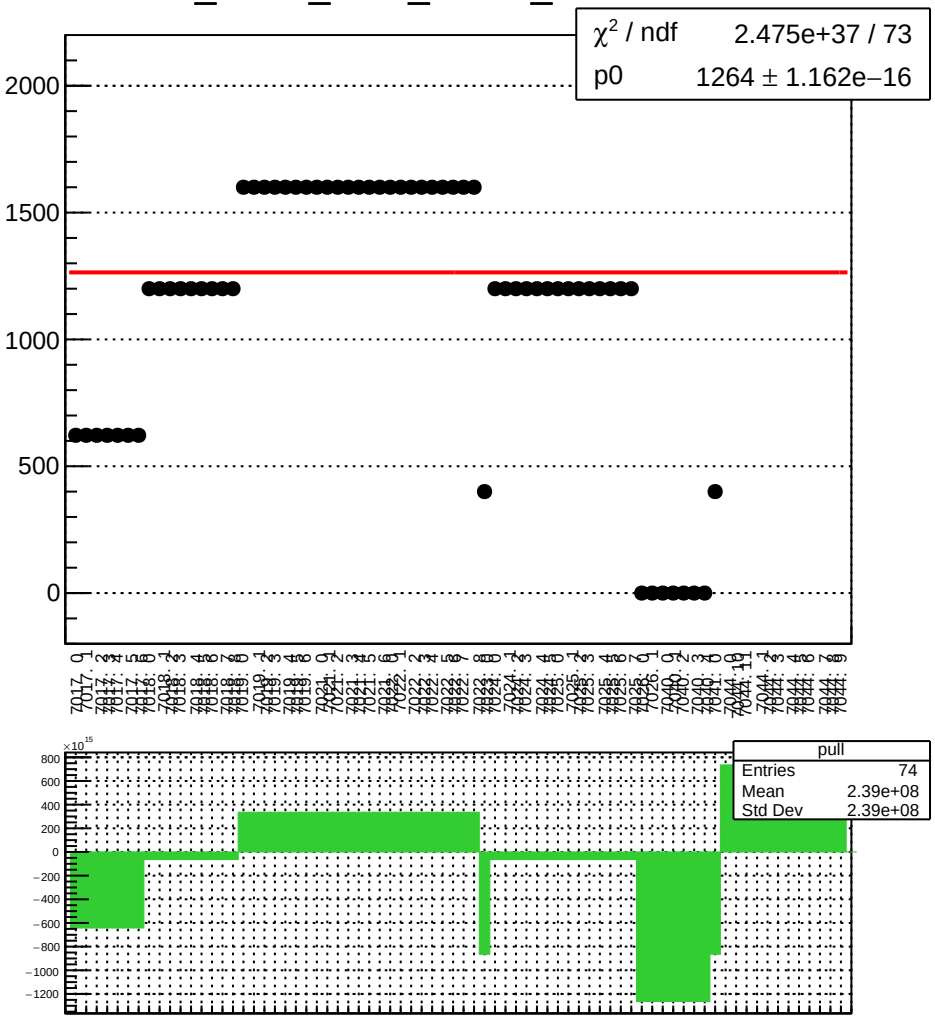


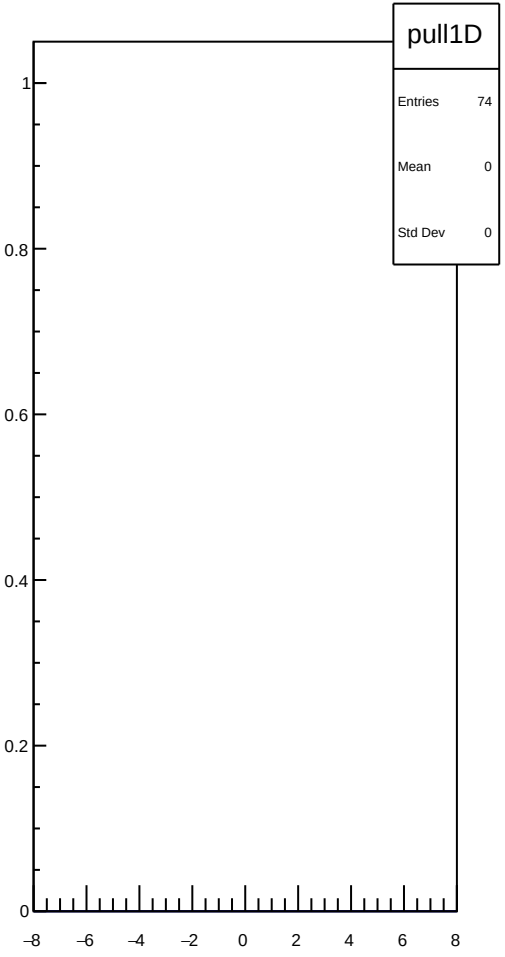

dit_sam3_coil3_mean vs run
χ² / ndf inf / 73
p0 1.024e+04 ± 1.162e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 74
Mean 1.085e+09
Std Dev 1.085e+09
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

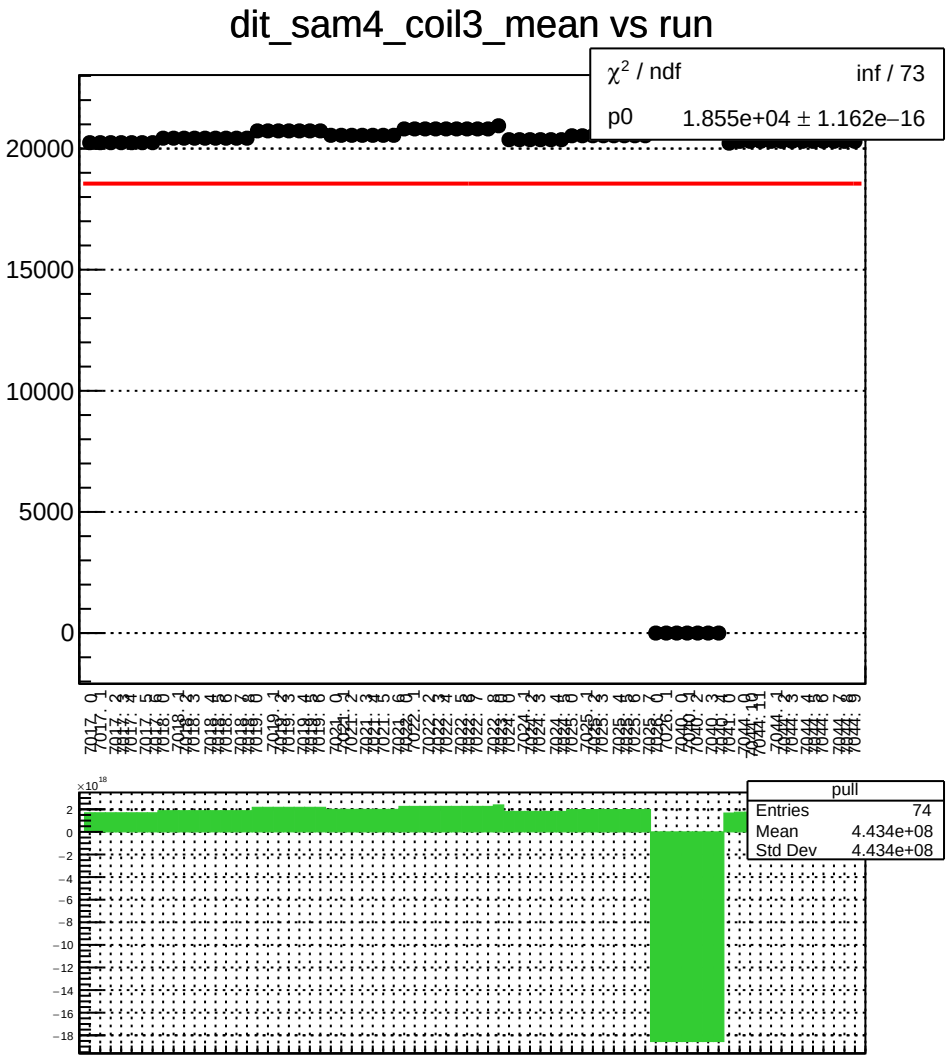

dit_sam3_coil3_err_mean vs run
χ² / ndf 6.848e+35 / 73
p0 242.6 ± 1.162e−16
pull
Entries 74
Mean −9.91e+09
Std Dev 9.91e+09

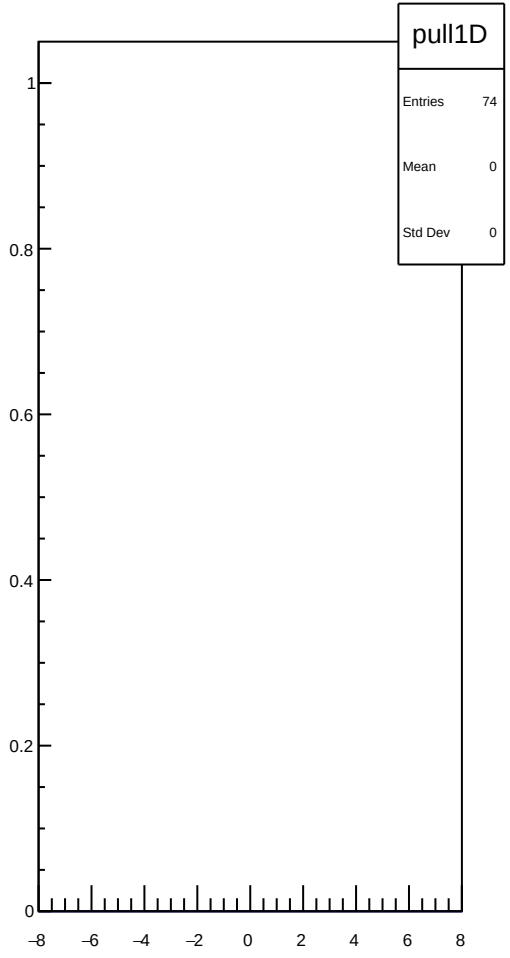

pull1D
Entries 74
Mean 0
Std Dev 0

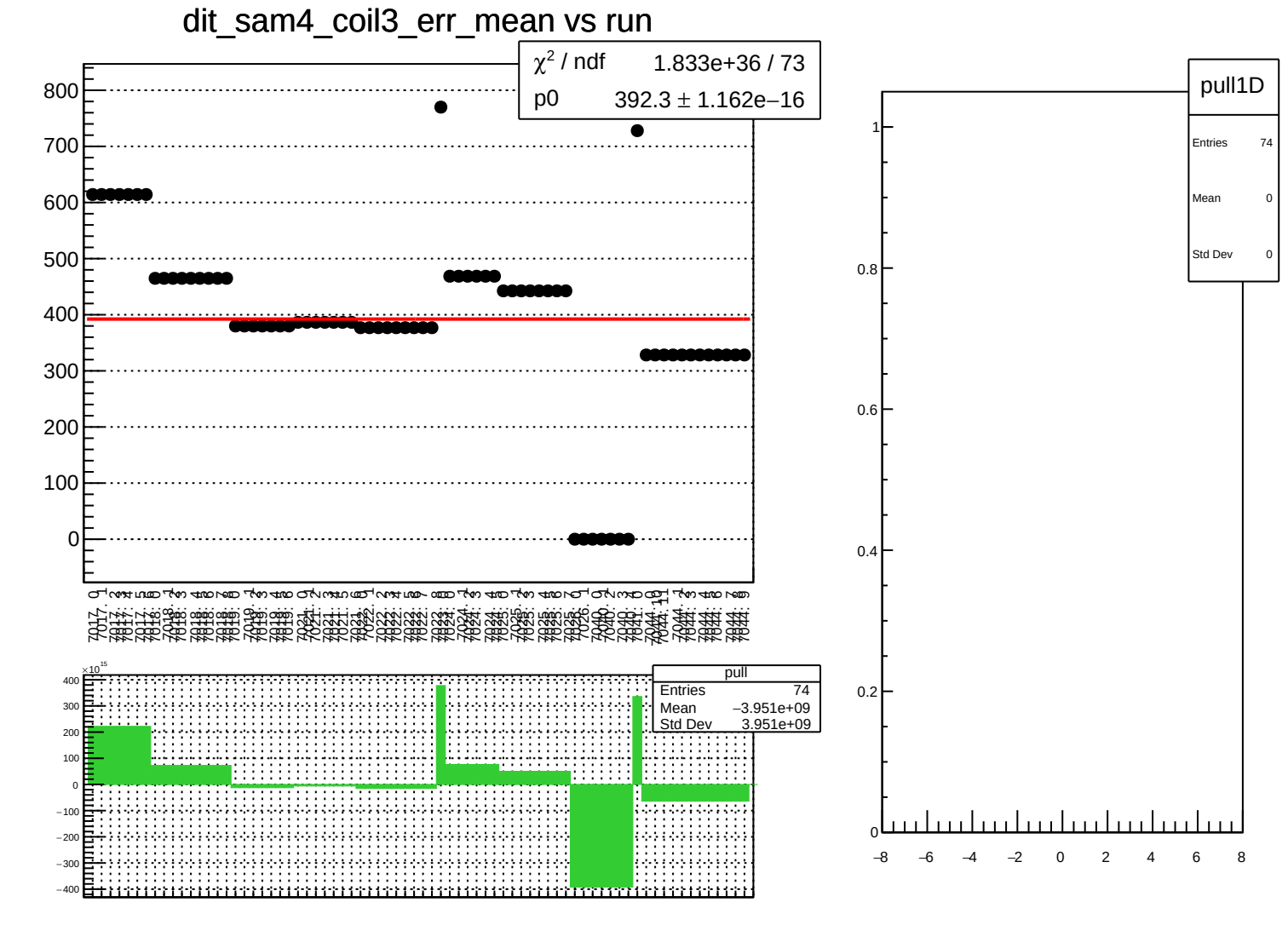
dit_sam3_coil3_Ndata_mean vs run

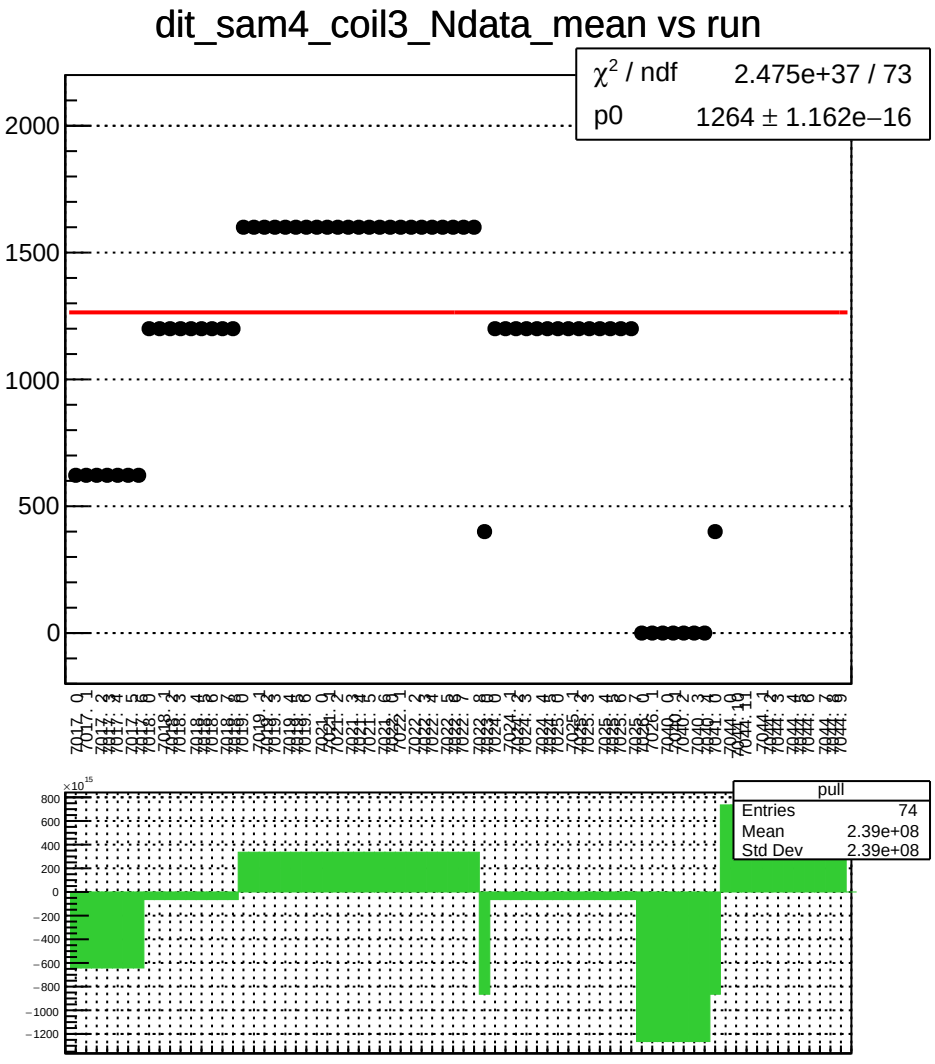


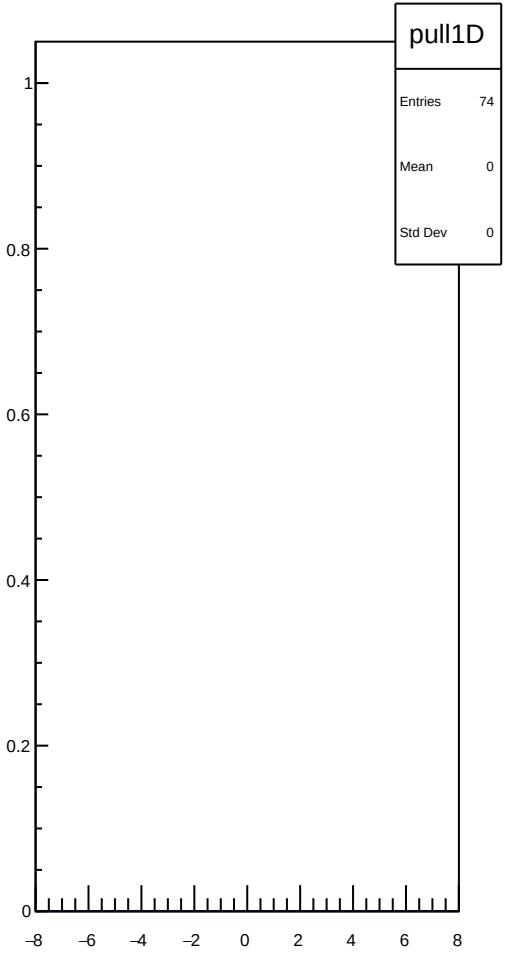


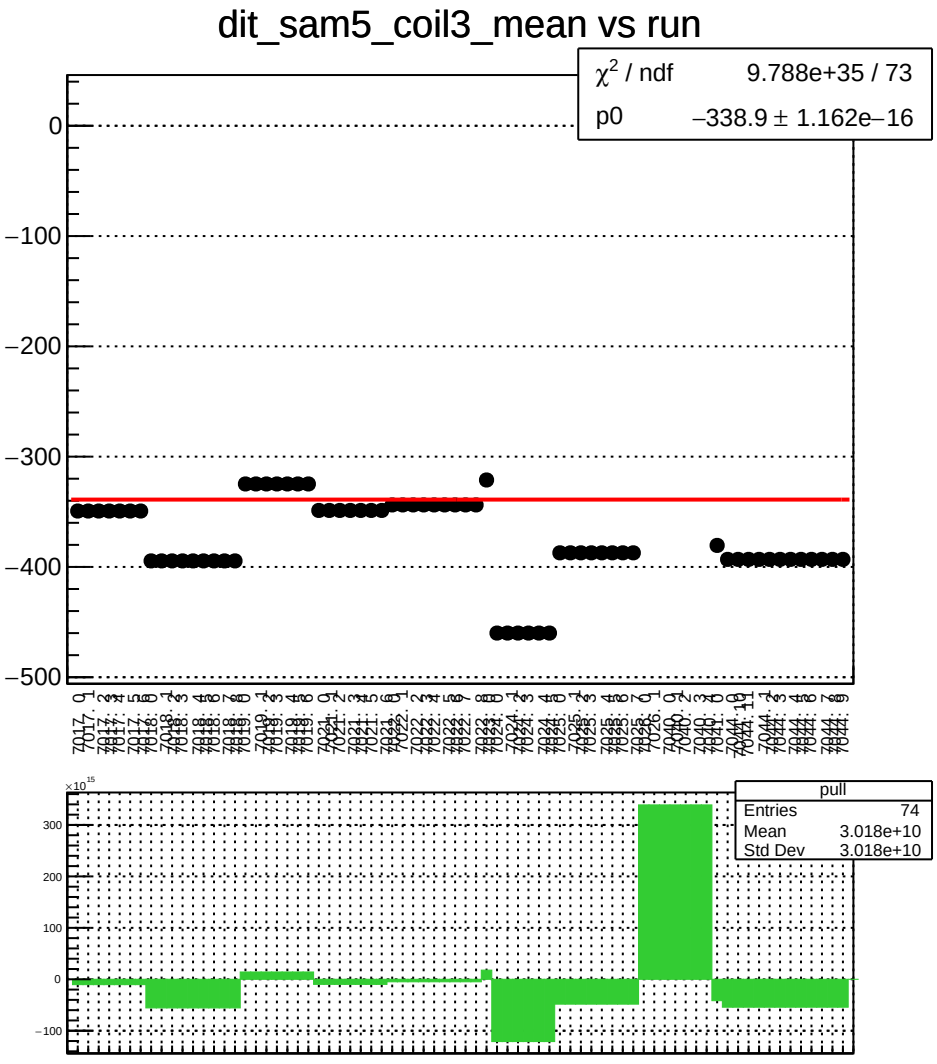

dit_sam4_coil3_mean vs run
χ² / ndf inf / 73
p0 1.855e+04 ± 1.162e−16
20000
15000
10000
5000
0
pull
Entries 74
Mean 4.434e+08
Std Dev 4.434e+08
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

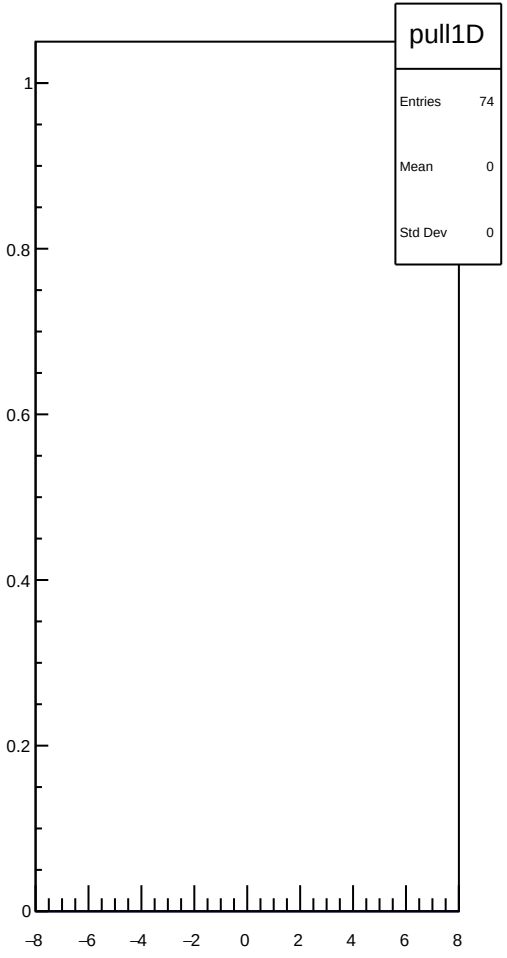

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

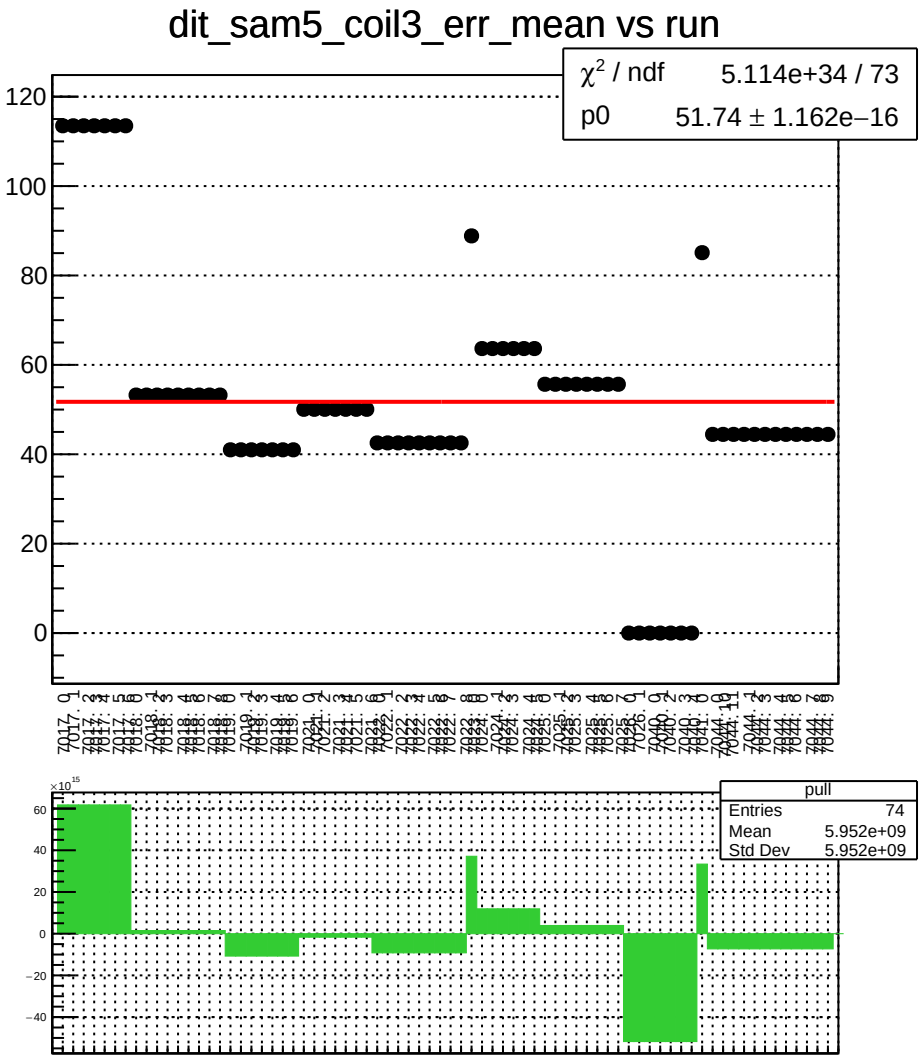

dit_sam4_coil3_err_mean vs run
χ² / ndf 1.833e+36 / 73
p0 392.3 ± 1.162e−16
pull
Entries 74
Mean −3.951e+09
Std Dev 3.951e+09
pull1D
Entries 74
Mean 0
Std Dev 0

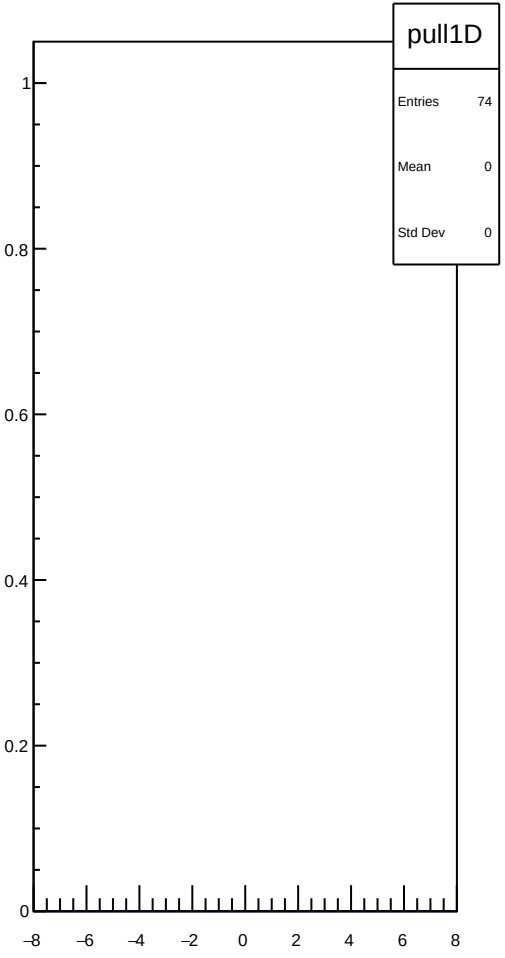

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 2.475e+37 / 73
p0 1264 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 2.39e+08
Std Dev 2.39e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

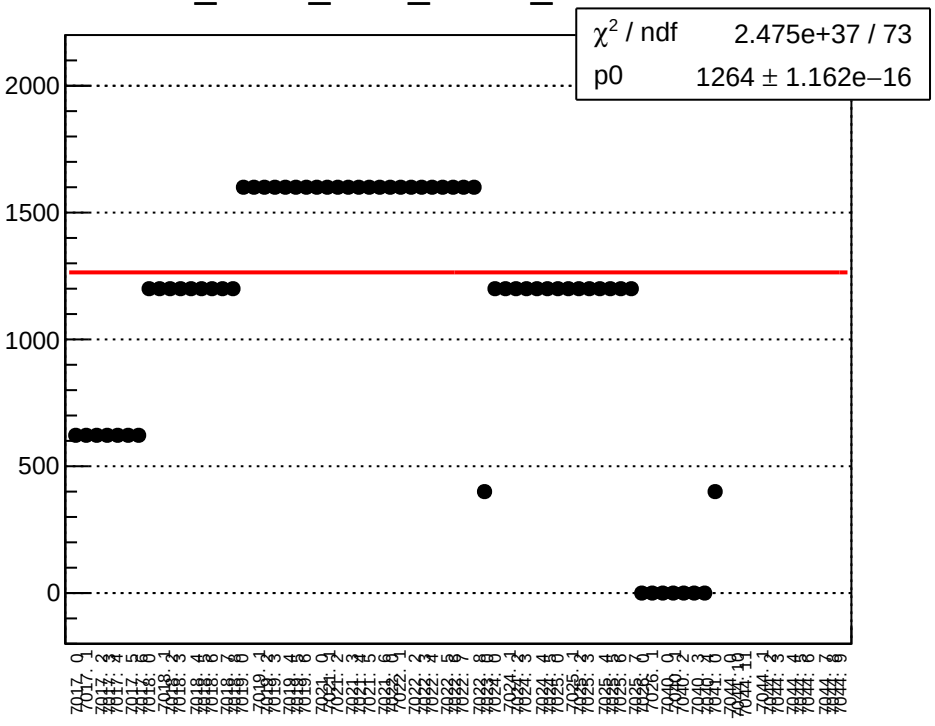

dit_sam5_coil3_mean vs run
χ^2 / ndf 9.788e+35 / 73
p0 −338.9 ± 1.162e−16
0
−100
−200
−300
−400
−500
pull
Entries 74
Mean 3.018e+10
Std Dev 3.018e+10
×10^15
300
200
100
0
−100

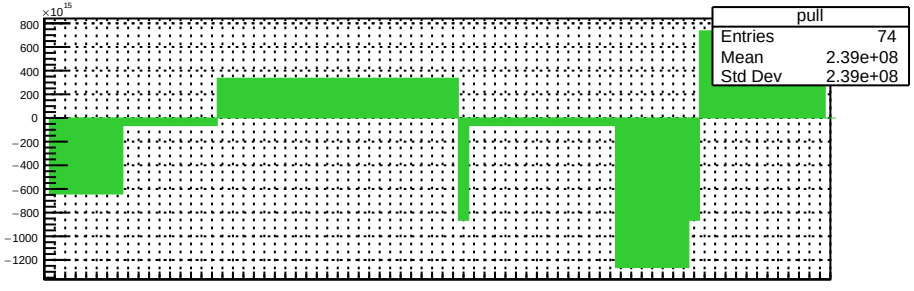

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

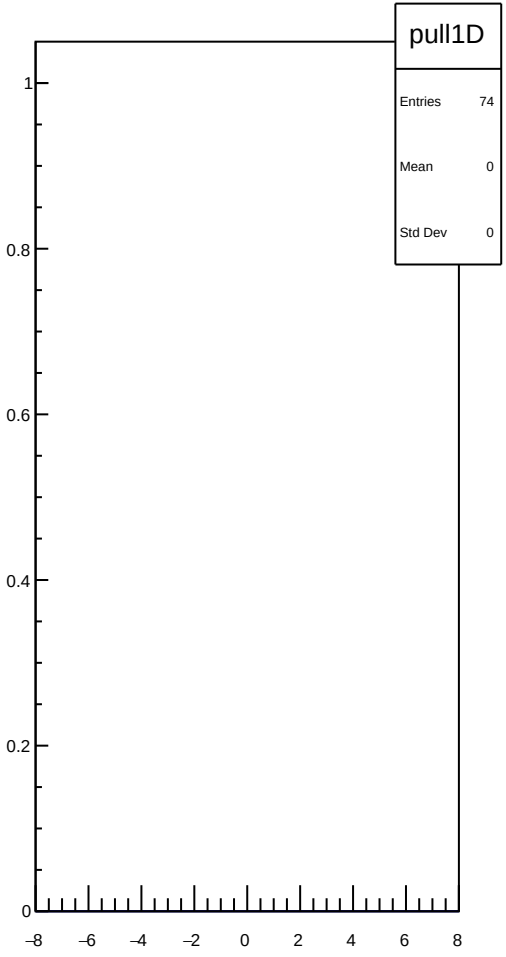

dit_sam5_coil3_err_mean vs run
χ² / ndf 5.114e+34 / 73
p0 51.74 ± 1.162e−16
pull
Entries 74
Mean 5.952e+09
Std Dev 5.952e+09

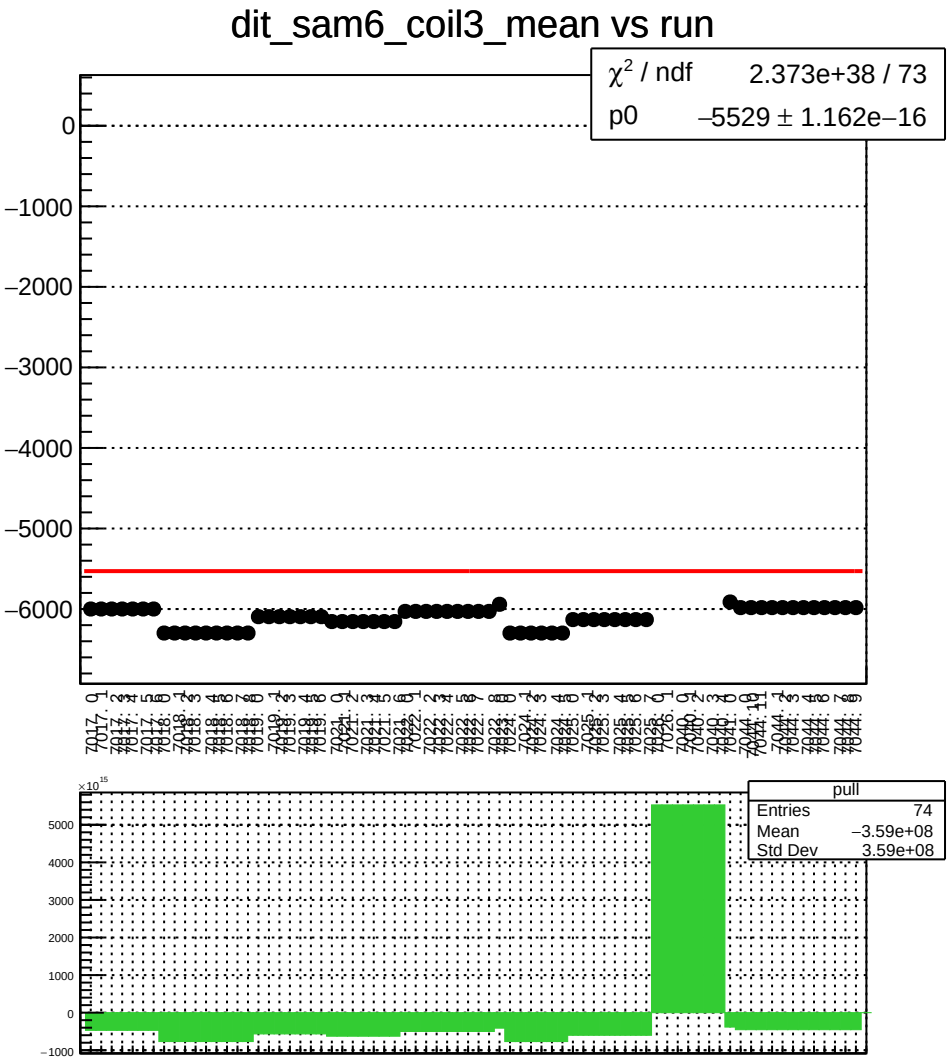

pull1D
Entries 74
Mean 0
Std Dev 0

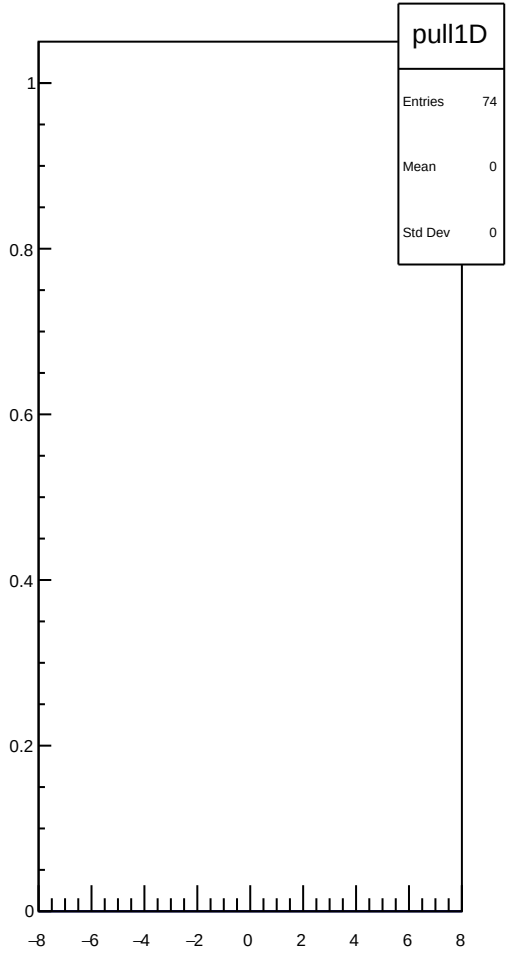
dit_sam5_coil3_Ndata_mean vs run

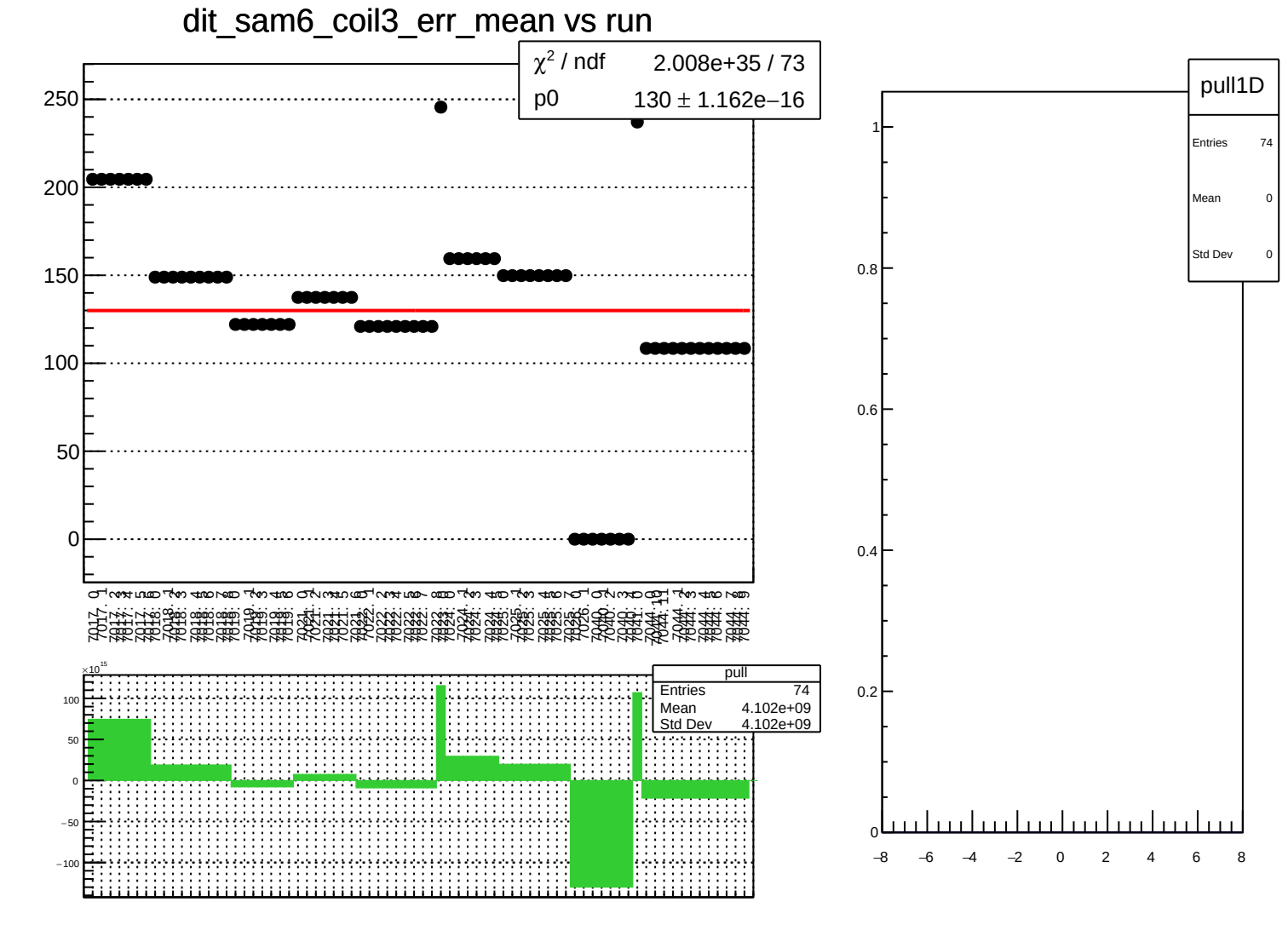




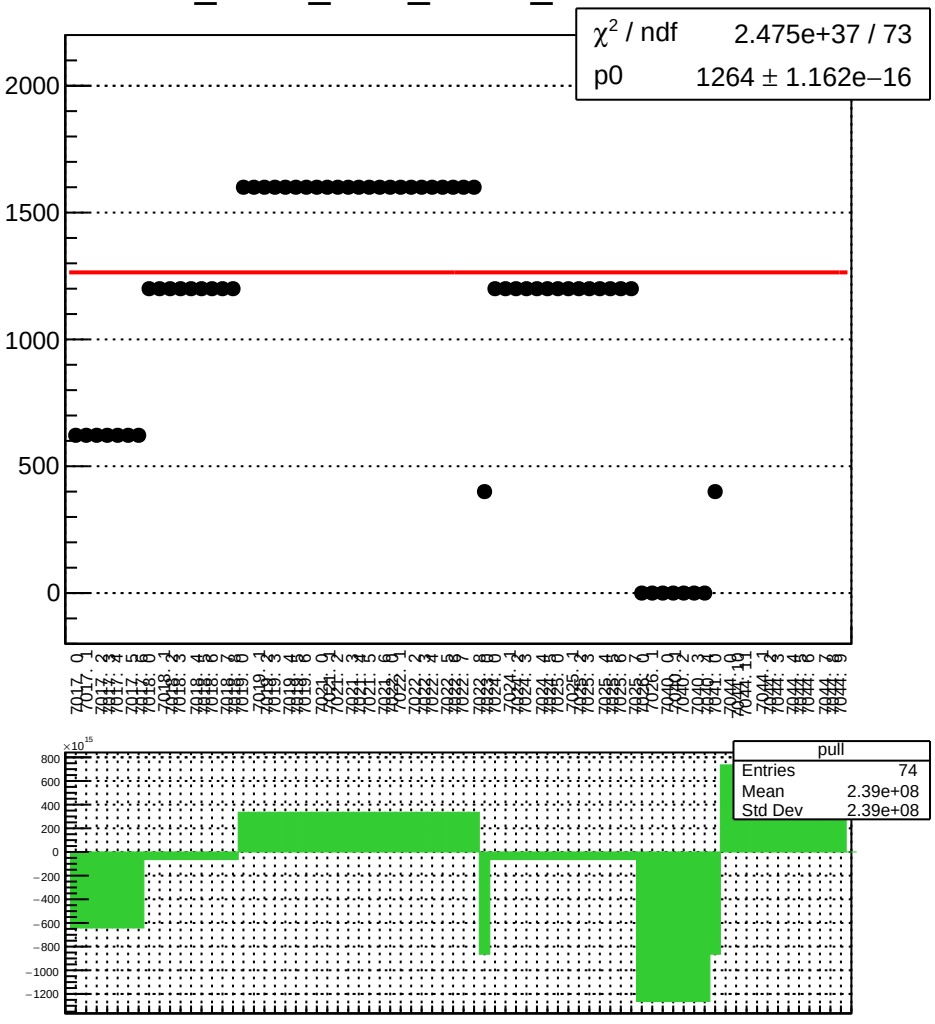


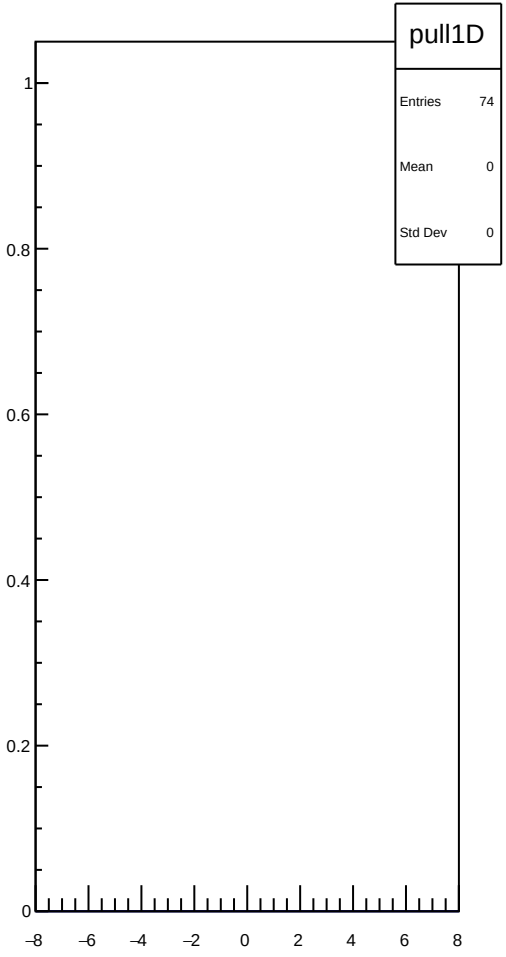

dit_sam6_coil3_mean vs run
χ^2 / ndf 2.373e+38 / 73
p0 –5529 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 74
Mean –3.59e+08
Std Dev 3.59e+08
×10^15
5000
4000
3000
2000
1000
0
–1000

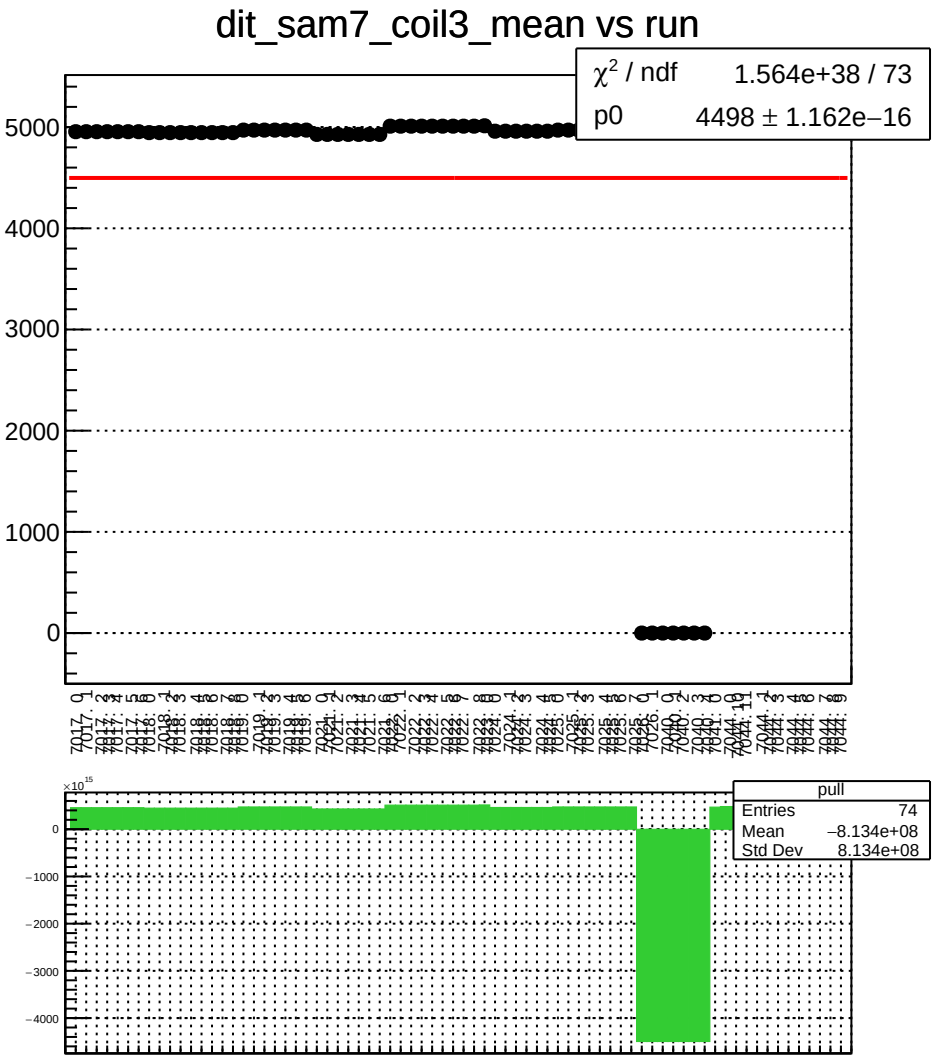

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

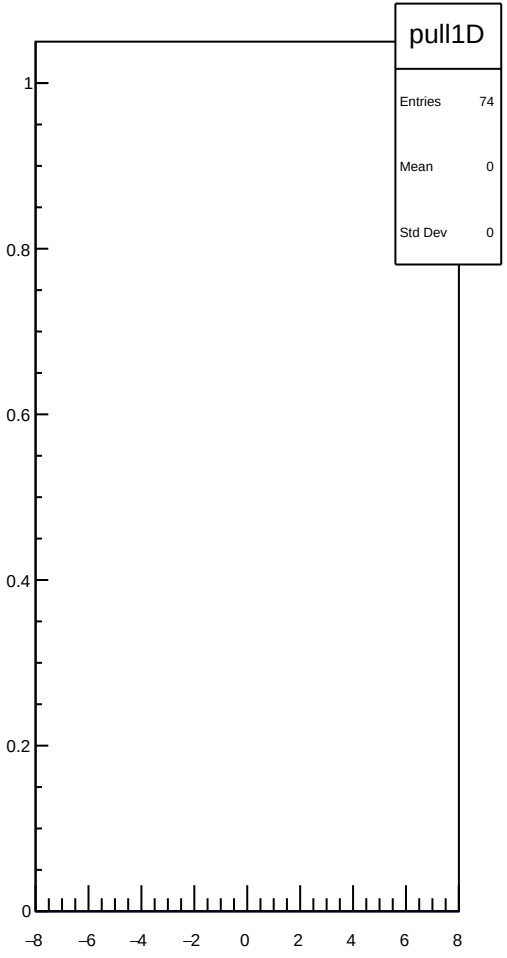

dit_sam6_coil3_err_mean vs run
χ² / ndf 2.008e+35 / 73
p0 130 ± 1.162e−16
pull
Entries 74
Mean 4.102e+09
Std Dev 4.102e+09
pull1D
Entries 74
Mean 0
Std Dev 0

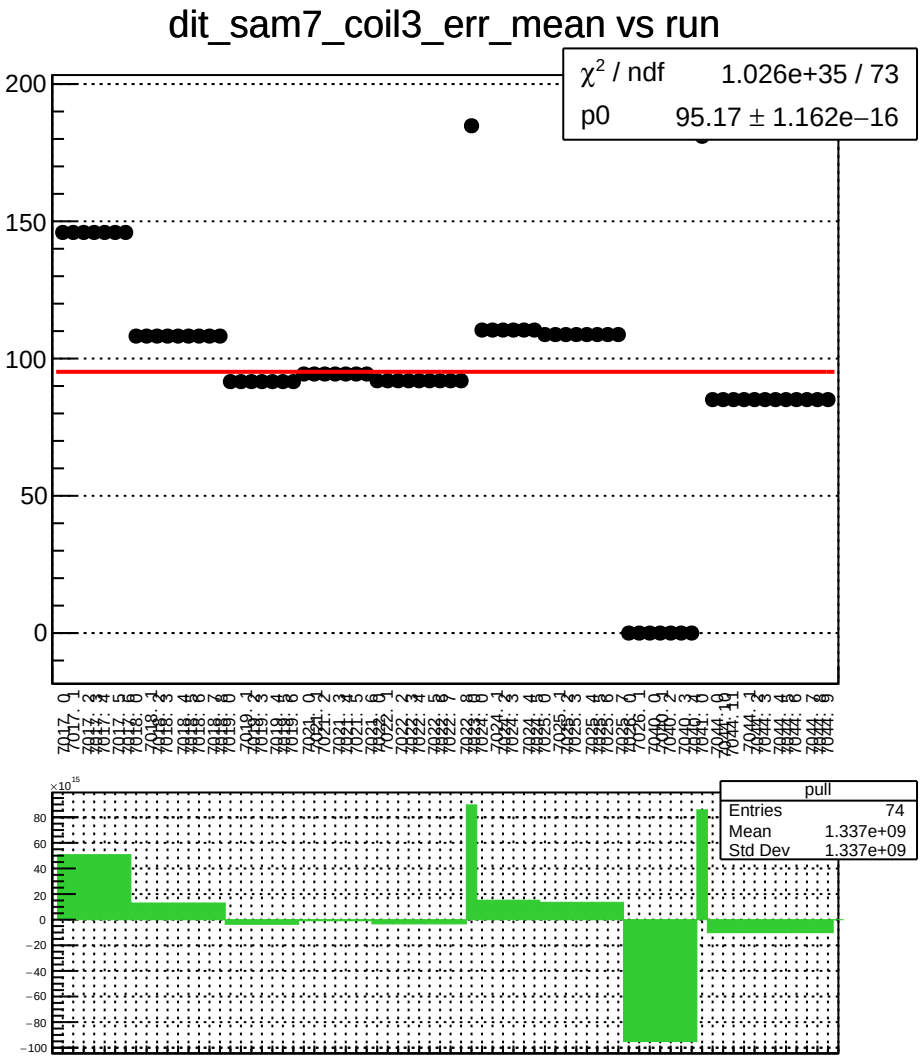
dit_sam6_coil3_Ndata_mean vs run

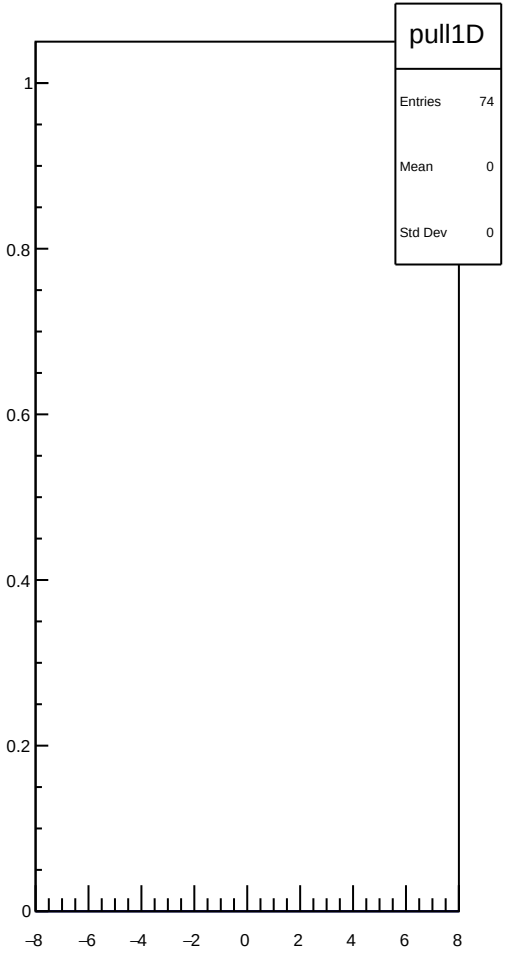




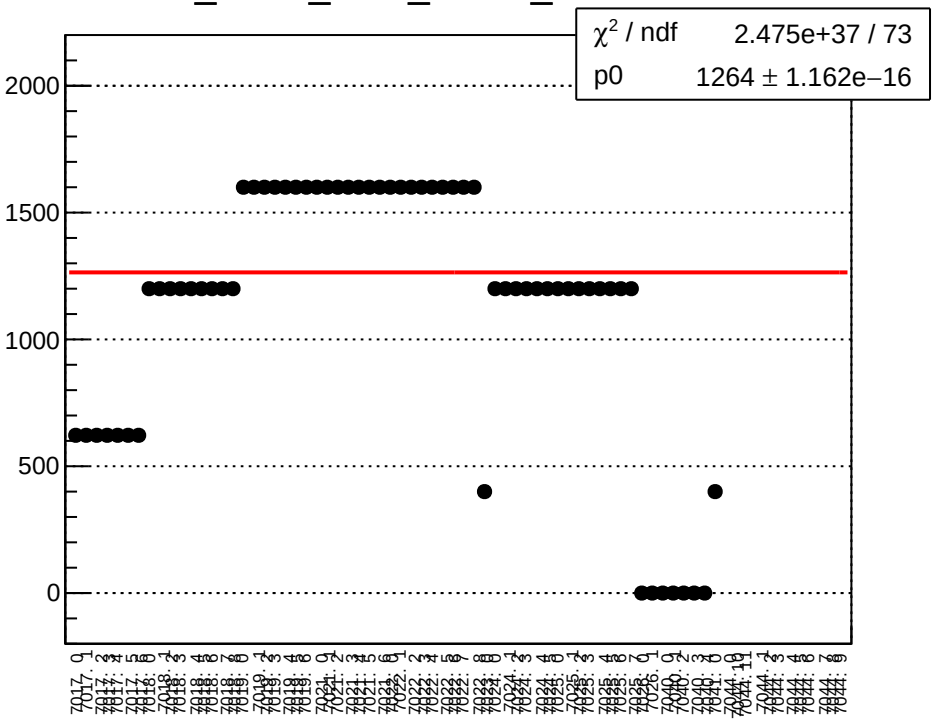

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.564e+38 / 73
p0 4498 ± 1.162e−16
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean −8.134e+08
Std Dev 8.134e+08
×10^15
0
−1000
−2000
−3000
−4000

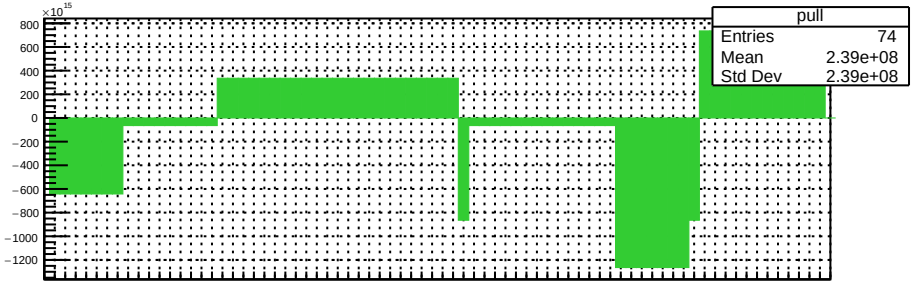

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

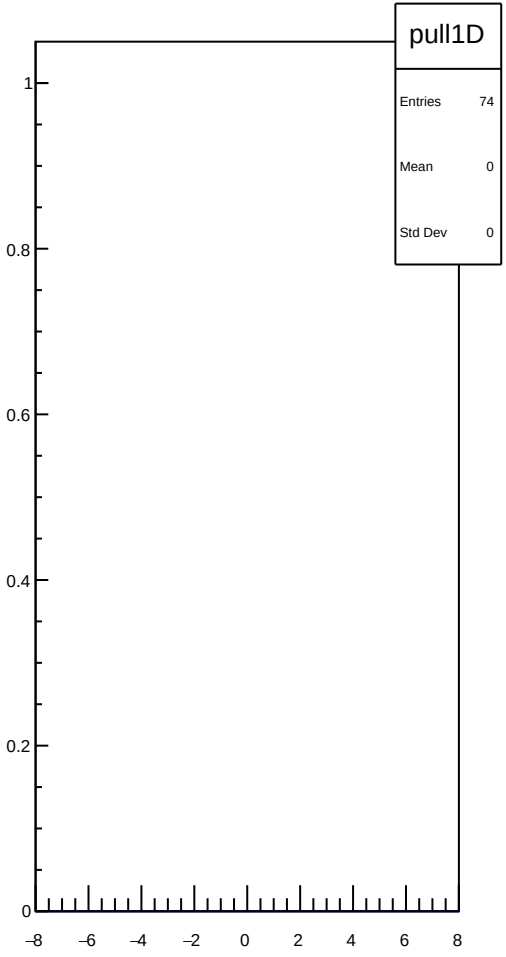

dit_sam7_coil3_err_mean vs run
χ² / ndf 1.026e+35 / 73
p0 95.17 ± 1.162e−16
200
150
100
50
0
pull
Entries 74
Mean 1.337e+09
Std Dev 1.337e+09
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100

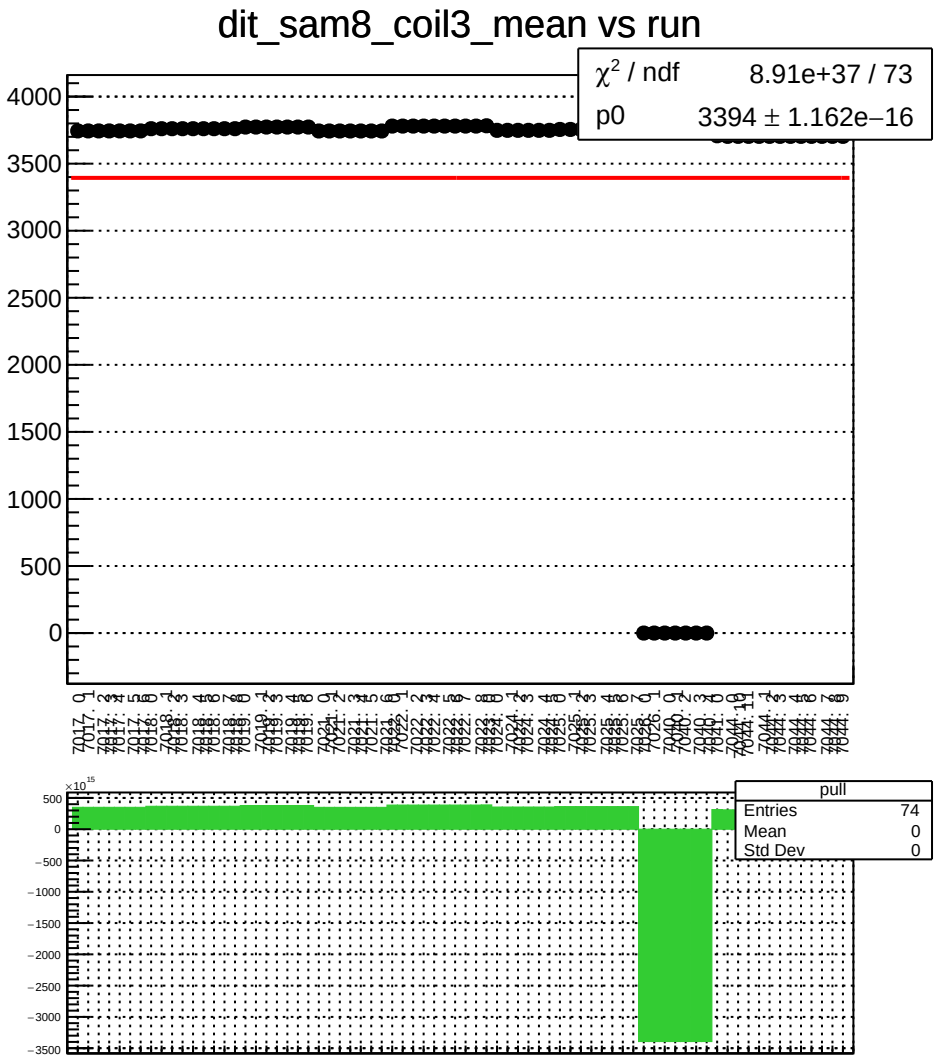

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

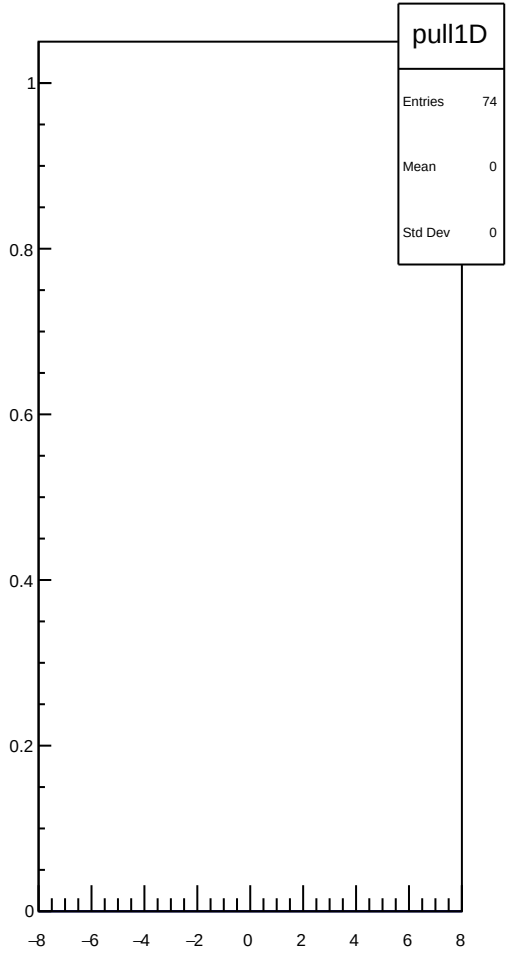
dit_sam7_coil3_Ndata_mean vs run

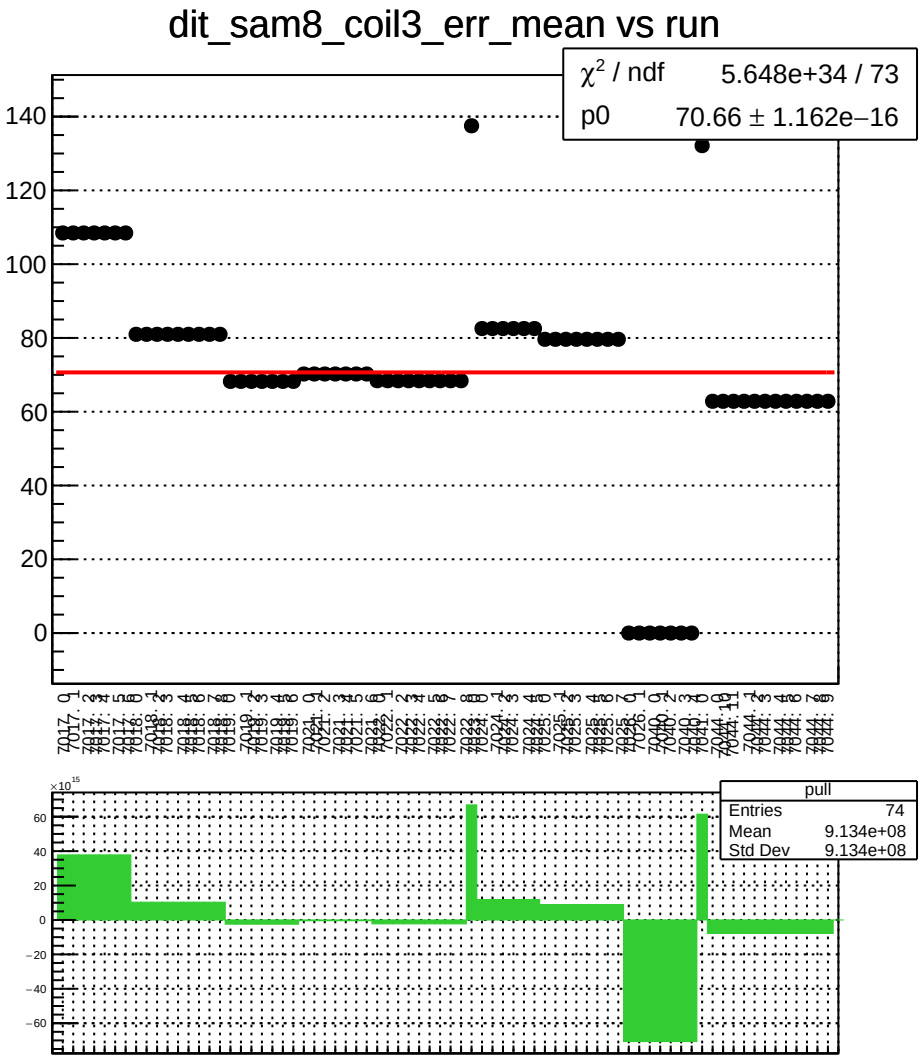


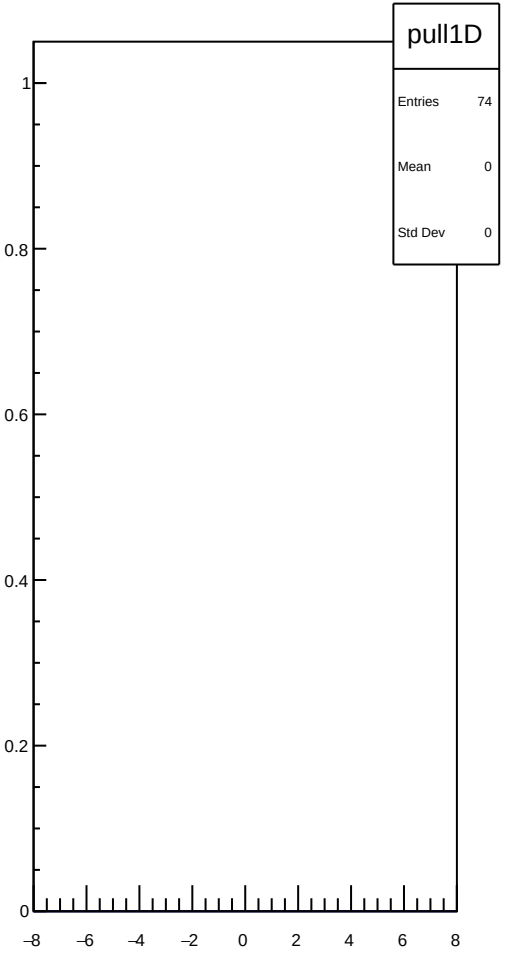




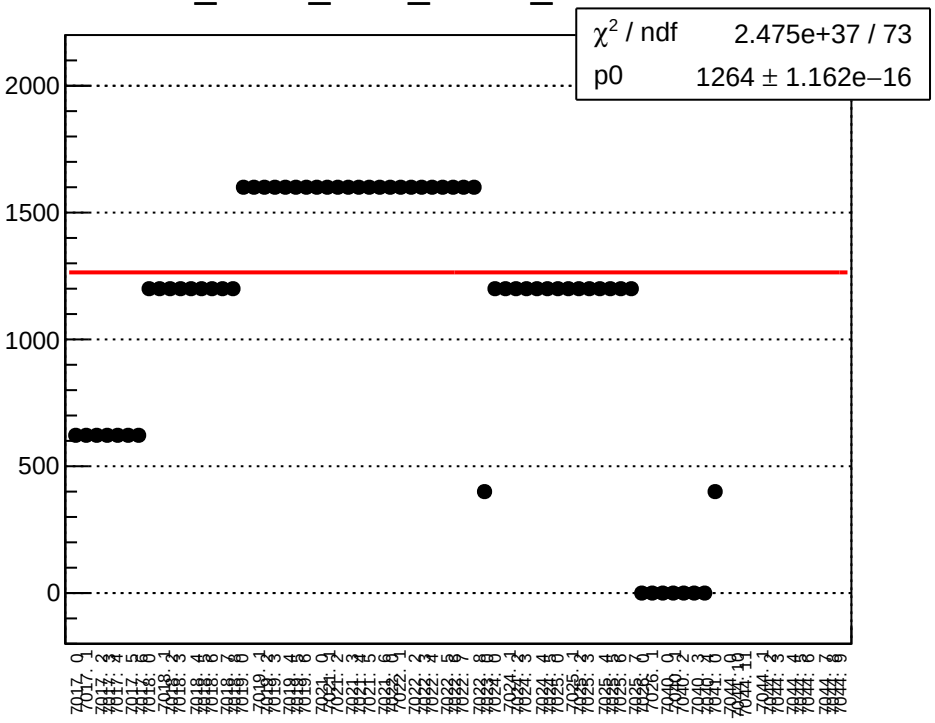

dit_sam8_coil3_mean vs run
χ^2 / ndf 8.91e+37 / 73
p0 3394 ± 1.162e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 74
Mean 0
Std Dev 0
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

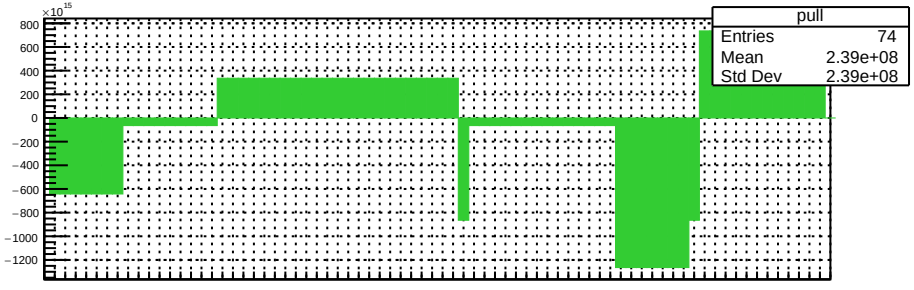

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

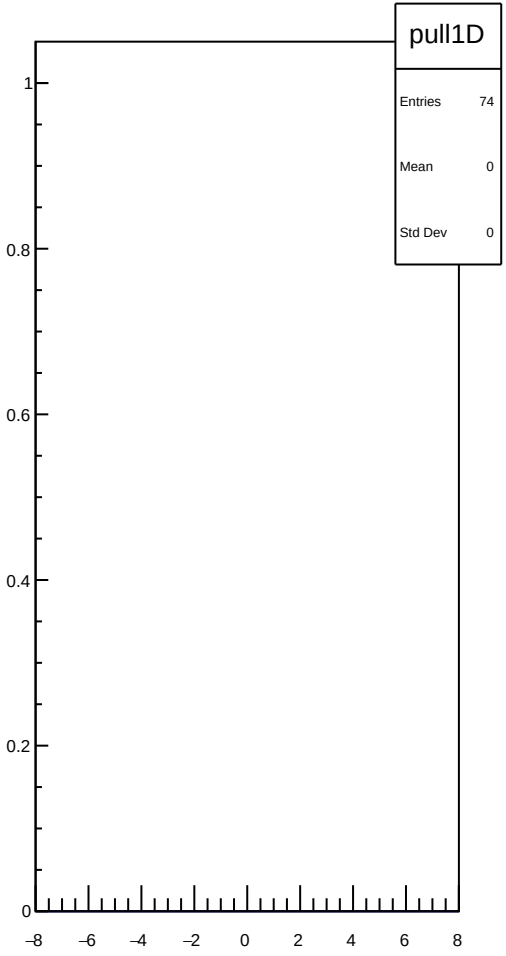

dit_sam8_coil3_err_mean vs run
χ² / ndf 5.648e+34 / 73
p0 70.66 ± 1.162e−16
pull
Entries 74
Mean 9.134e+08
Std Dev 9.134e+08

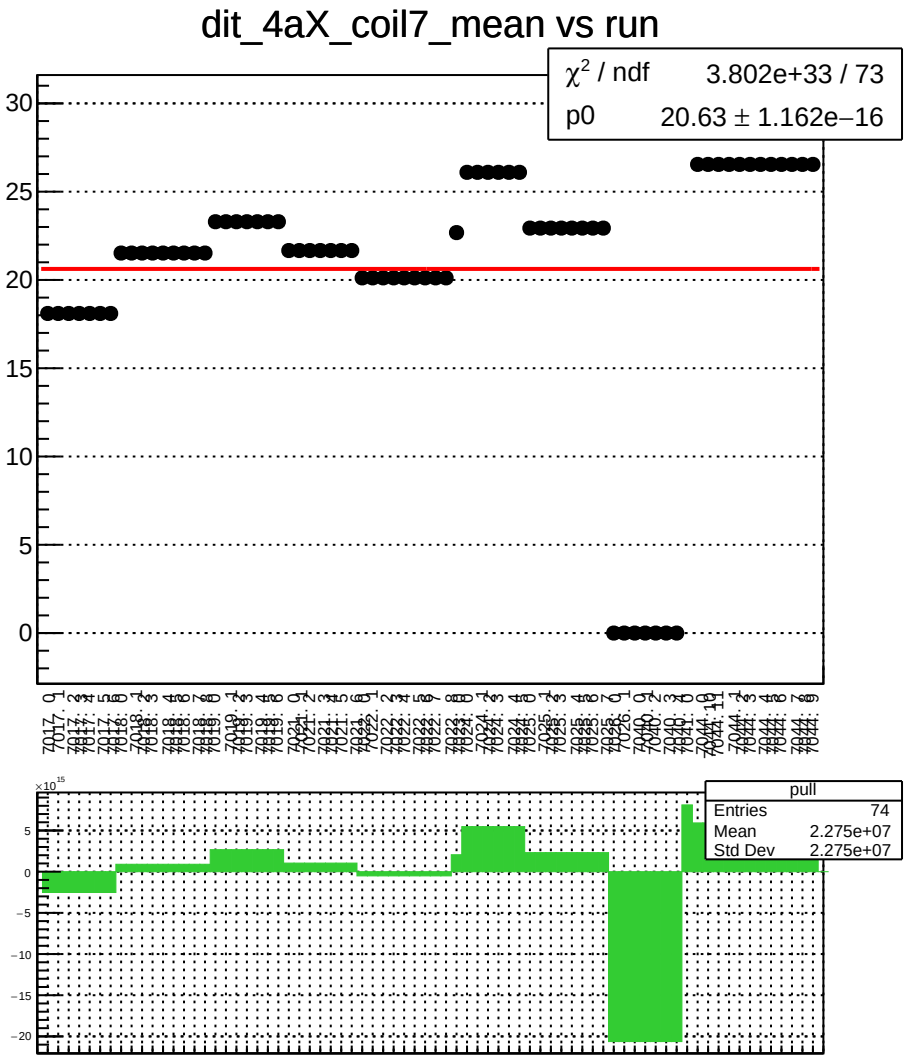

pull1D
Entries 74
Mean 0
Std Dev 0

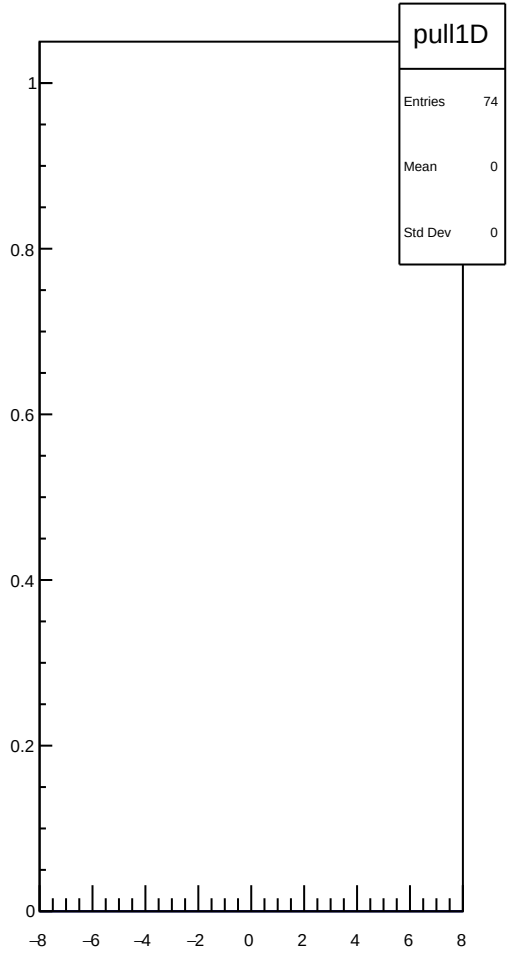
dit_sam8_coil3_Ndata_mean vs run



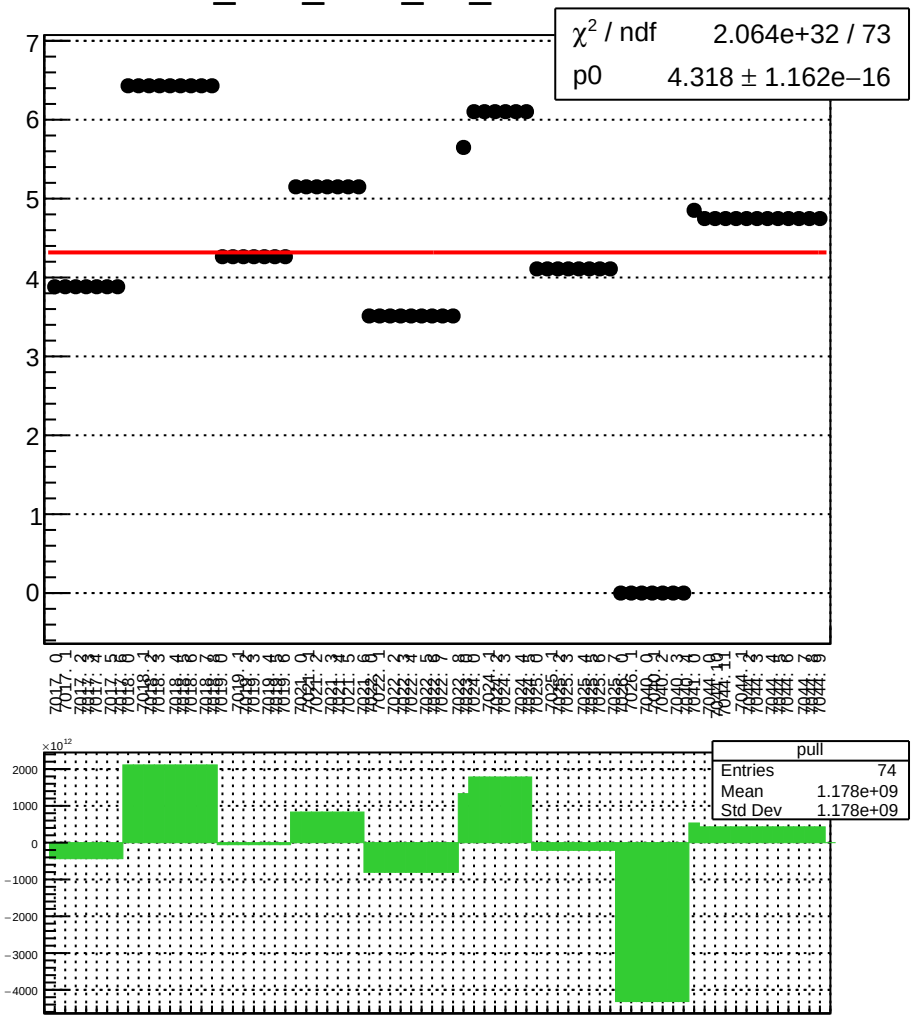


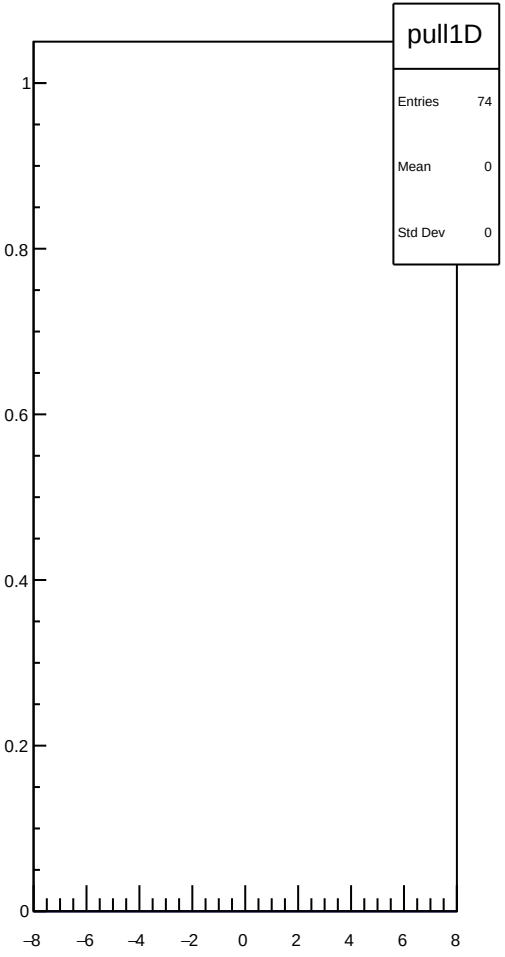



dit_4aX_coil7_mean vs run
χ^2 / ndf 3.802e+33 / 73
p0 20.63 ± 1.162e−16
pull
Entries 74
Mean 2.275e+07
Std Dev 2.275e+07

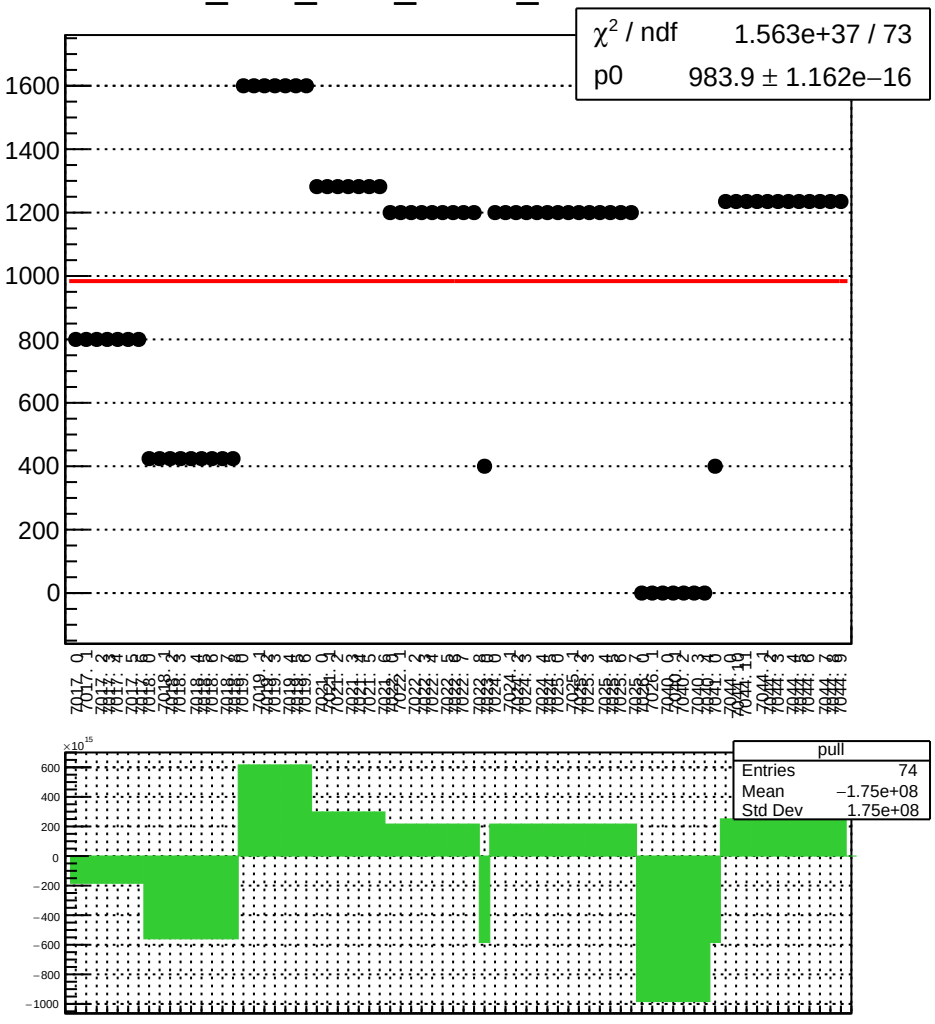

pull1D
Entries 74
Mean 0
Std Dev 0

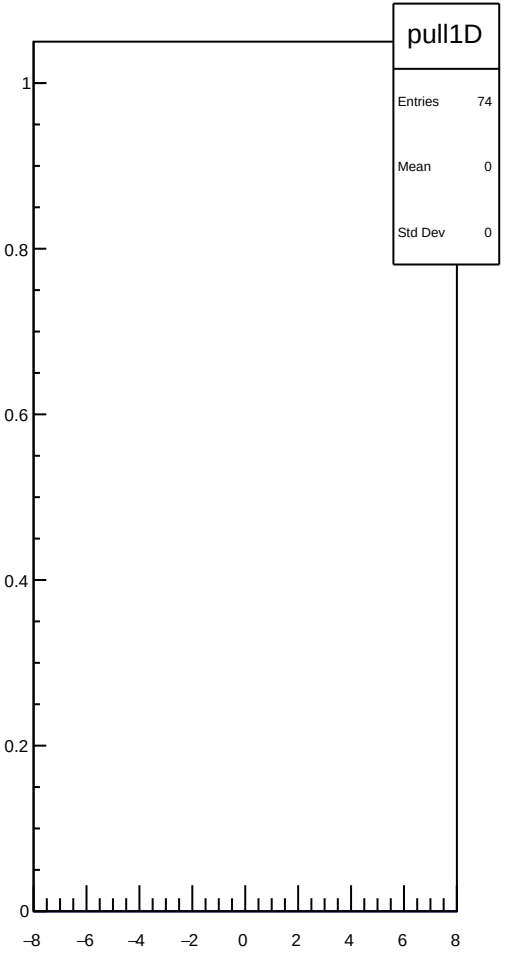
dit_4aX_coil7_err_mean vs run

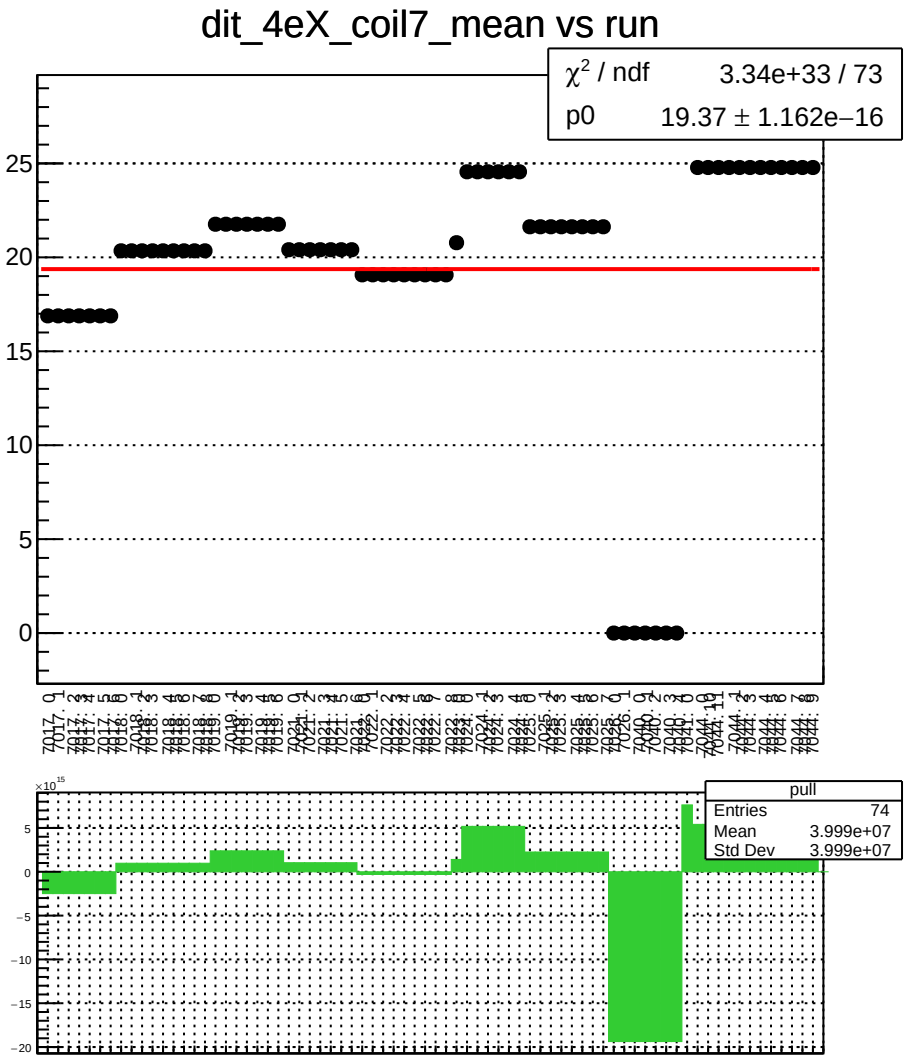


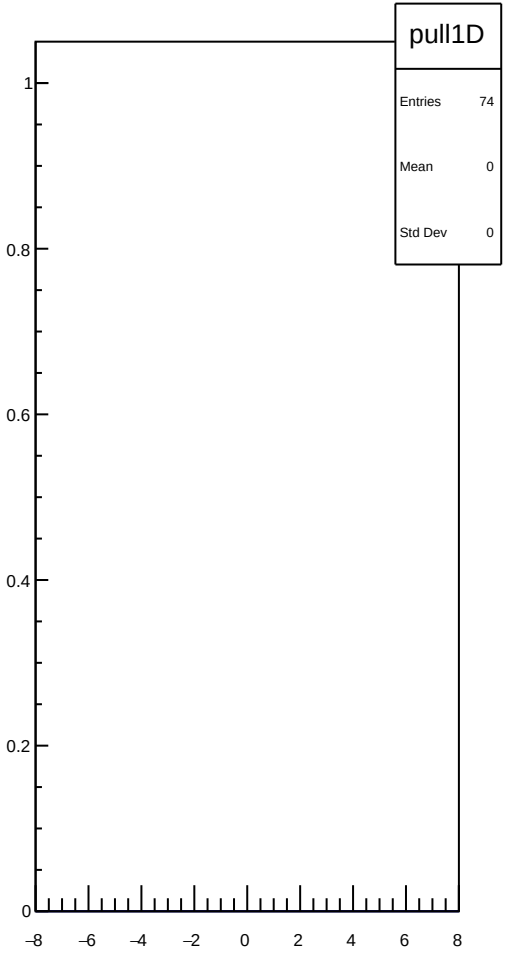


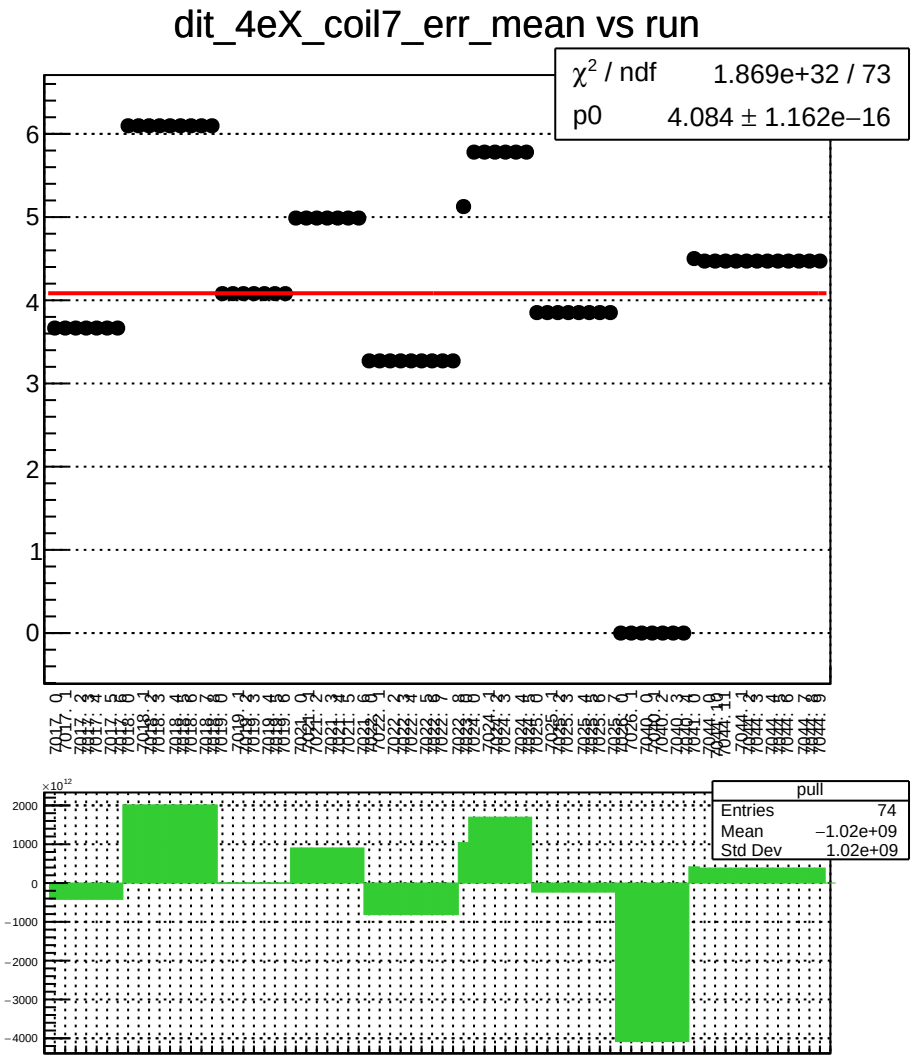
dit_4aX_coil7_Ndata_mean vs run

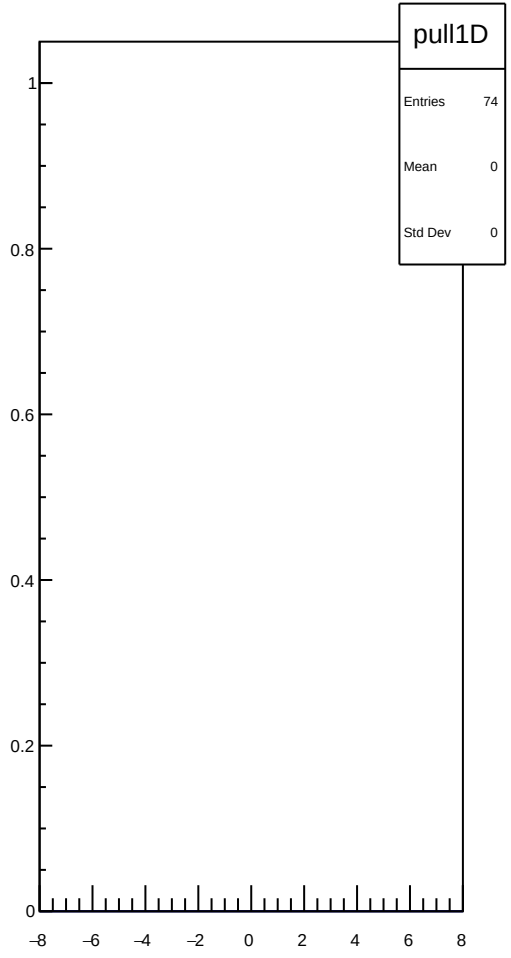




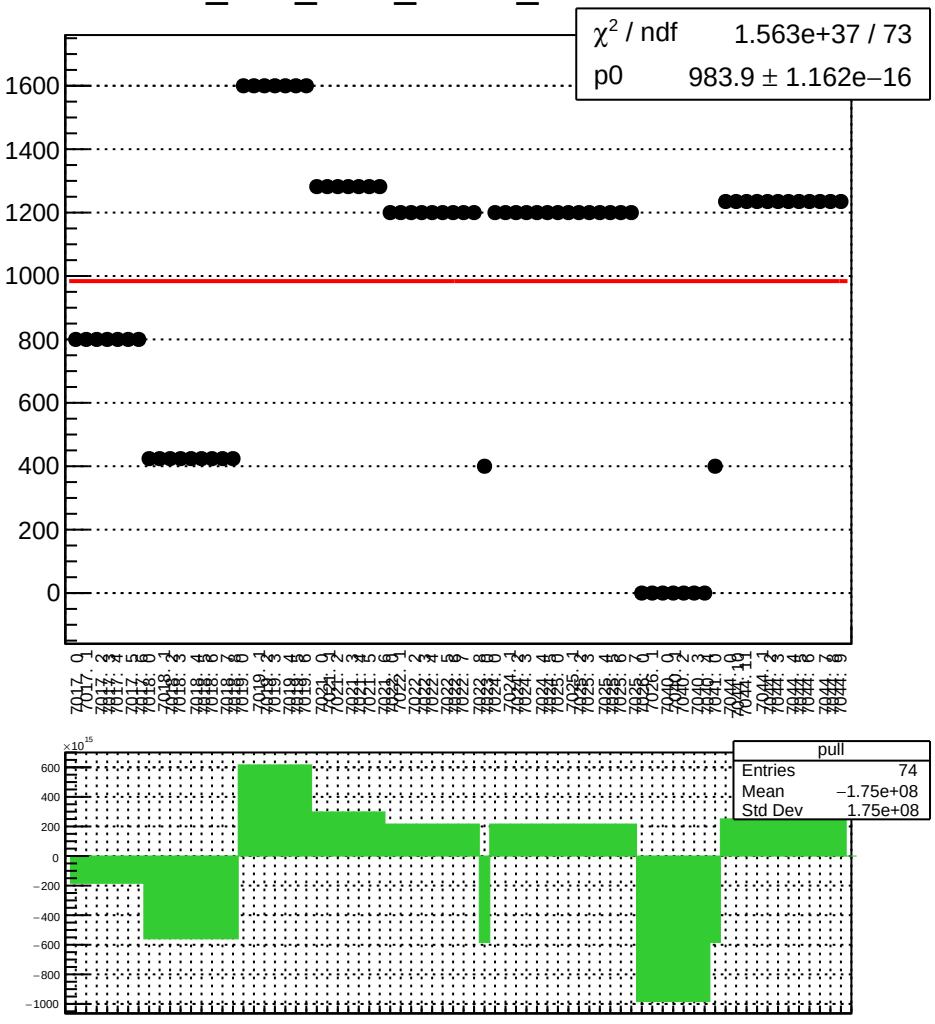

dit_4eX_coil7_mean vs run
χ² / ndf 3.34e+33 / 73
p0 19.37 ± 1.162e−16
pull
Entries 74
Mean 3.999e+07
Std Dev 3.999e+07

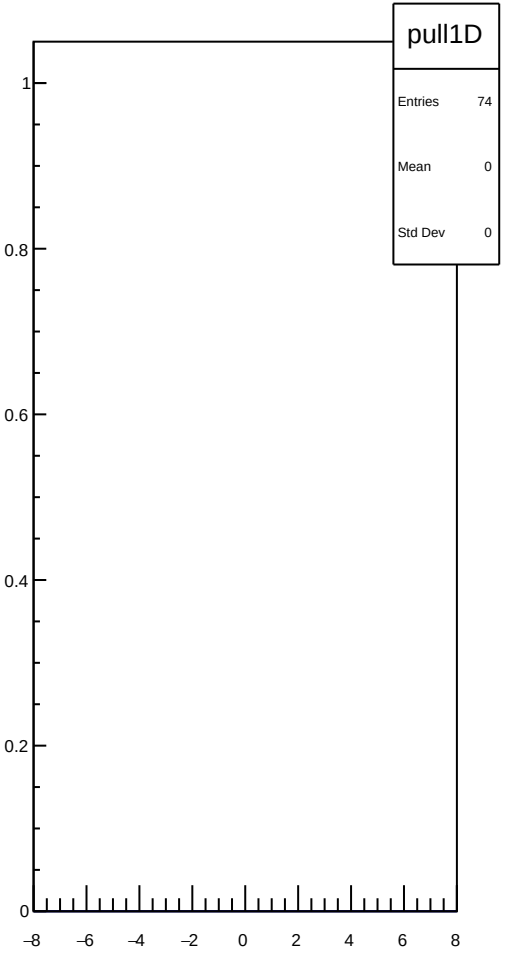

pull1D
Entries 74
Mean 0
Std Dev 0


dit_4eX_coil7_err_mean vs run
χ² / ndf 1.869e+32 / 73
p0 4.084 ± 1.162e−16
pull
Entries 74
Mean −1.02e+09
Std Dev 1.02e+09

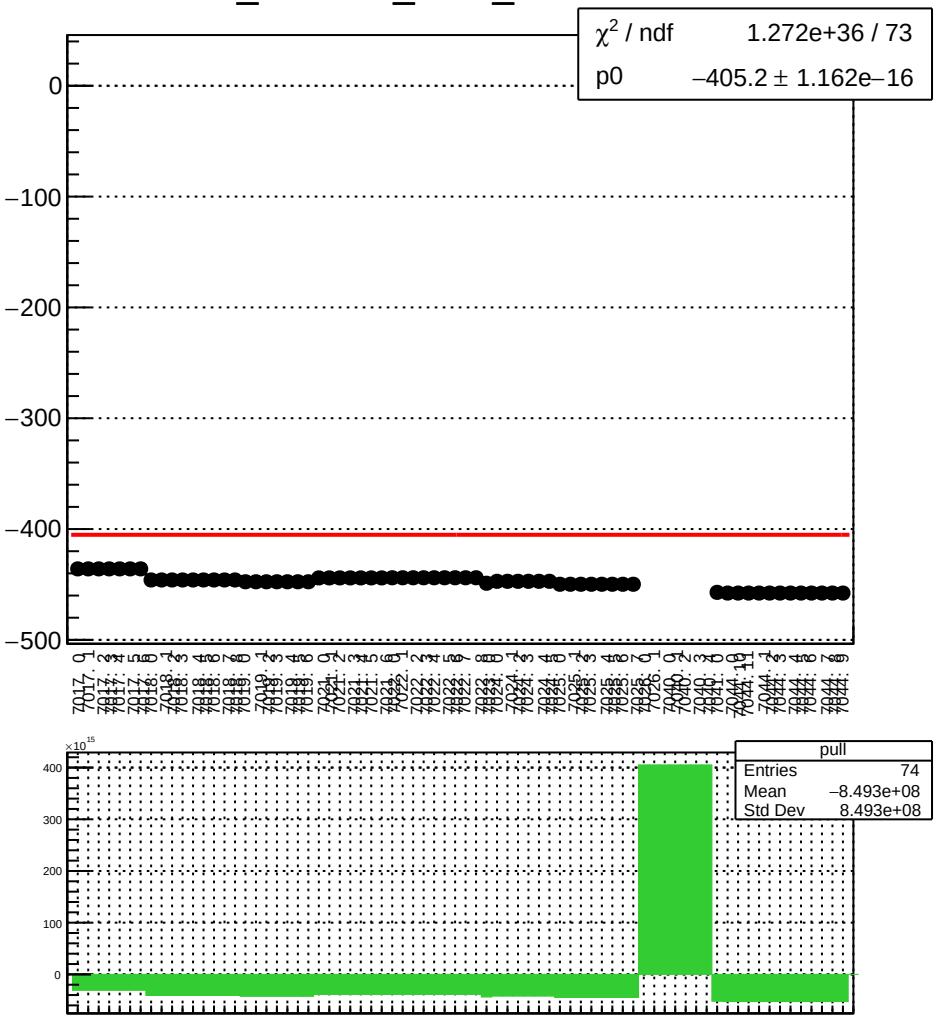

pull1D
Entries 74
Mean 0
Std Dev 0

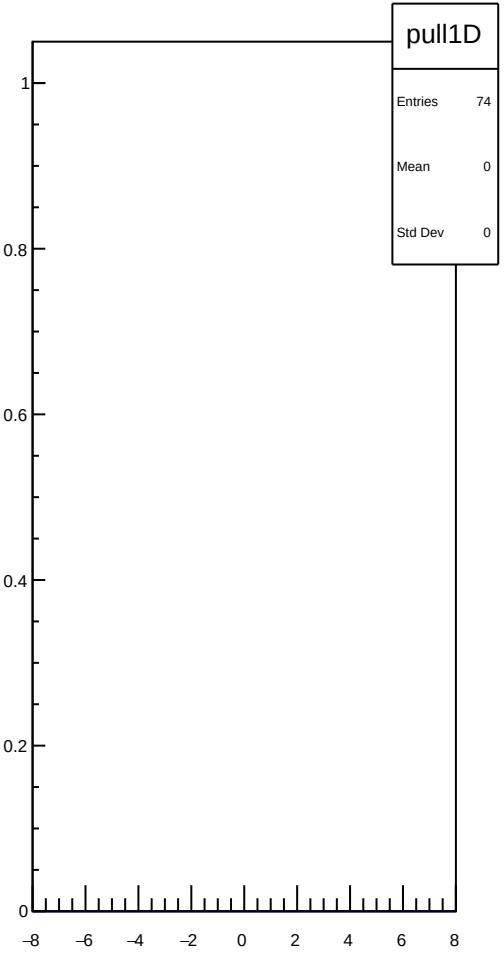
dit_4eX_coil7_Ndata_mean vs run

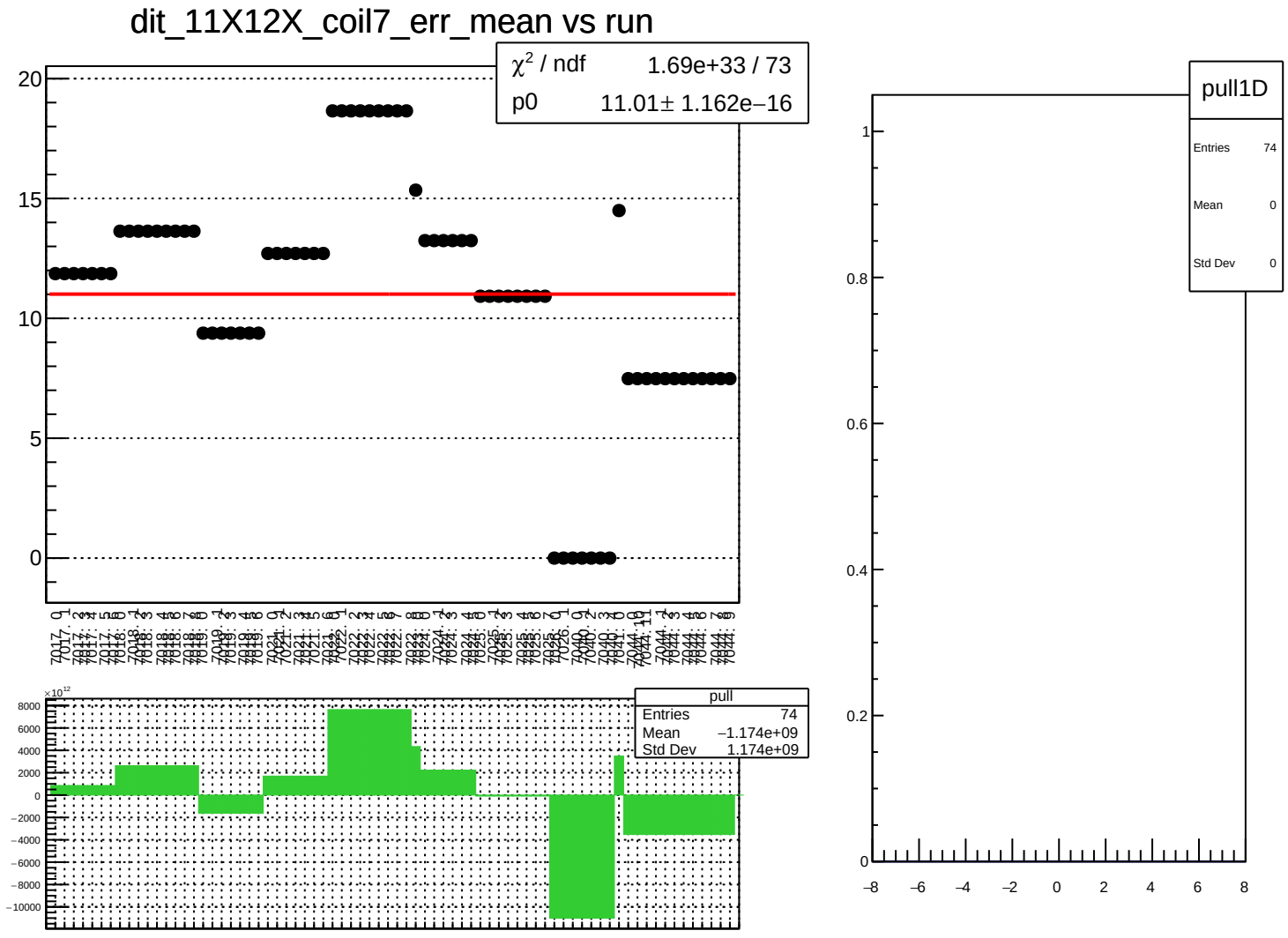




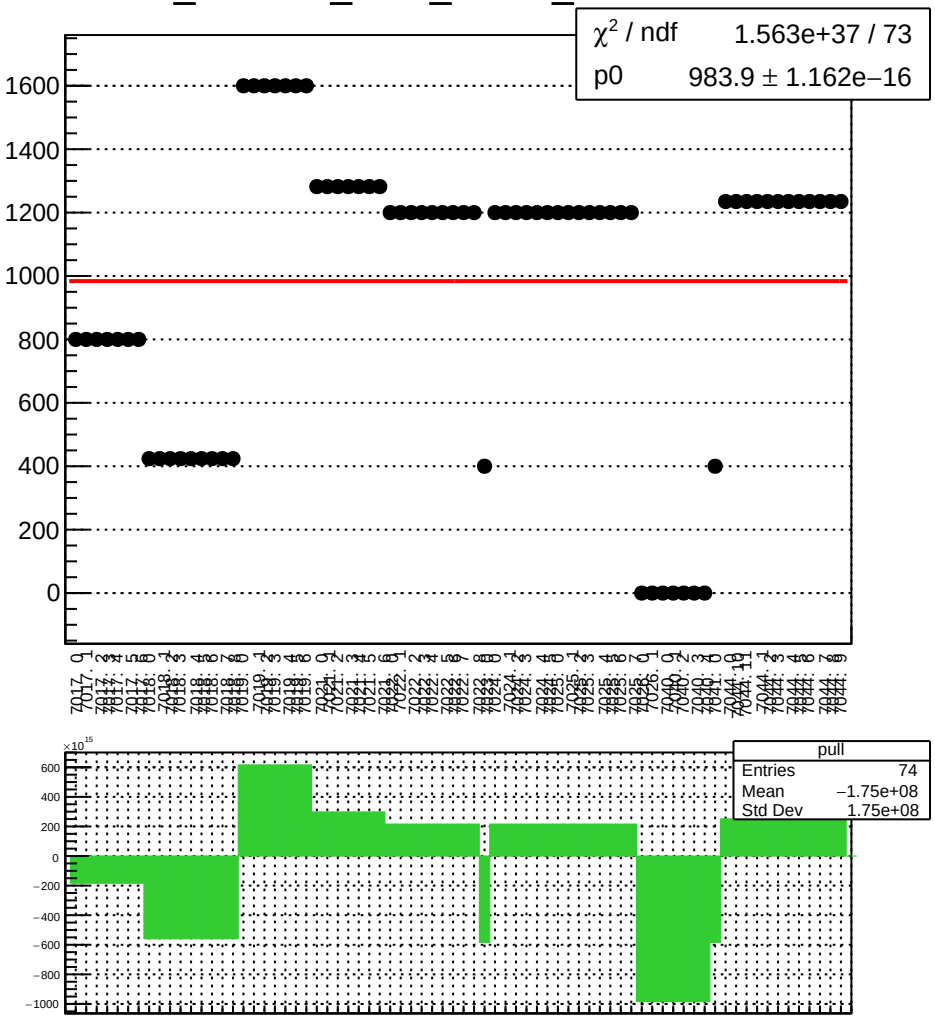
dit_11X12X_coil7_mean vs run

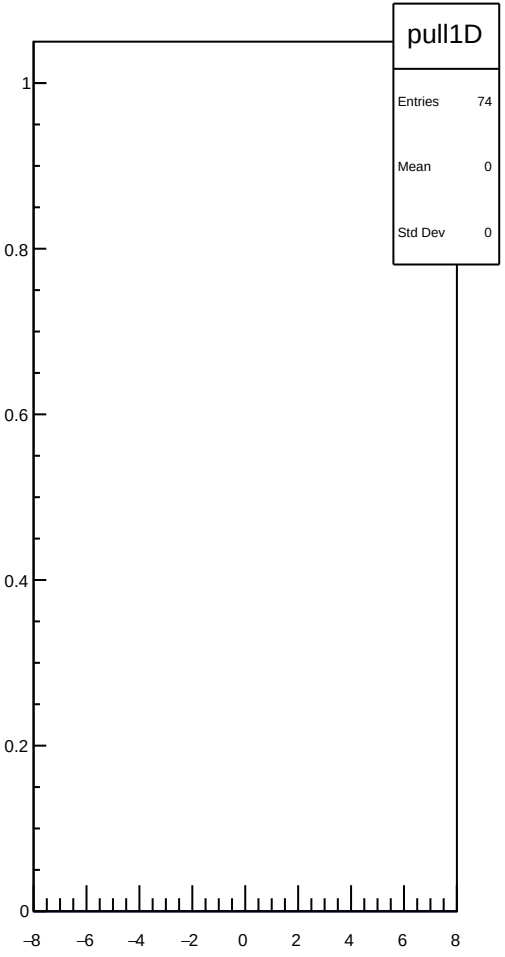




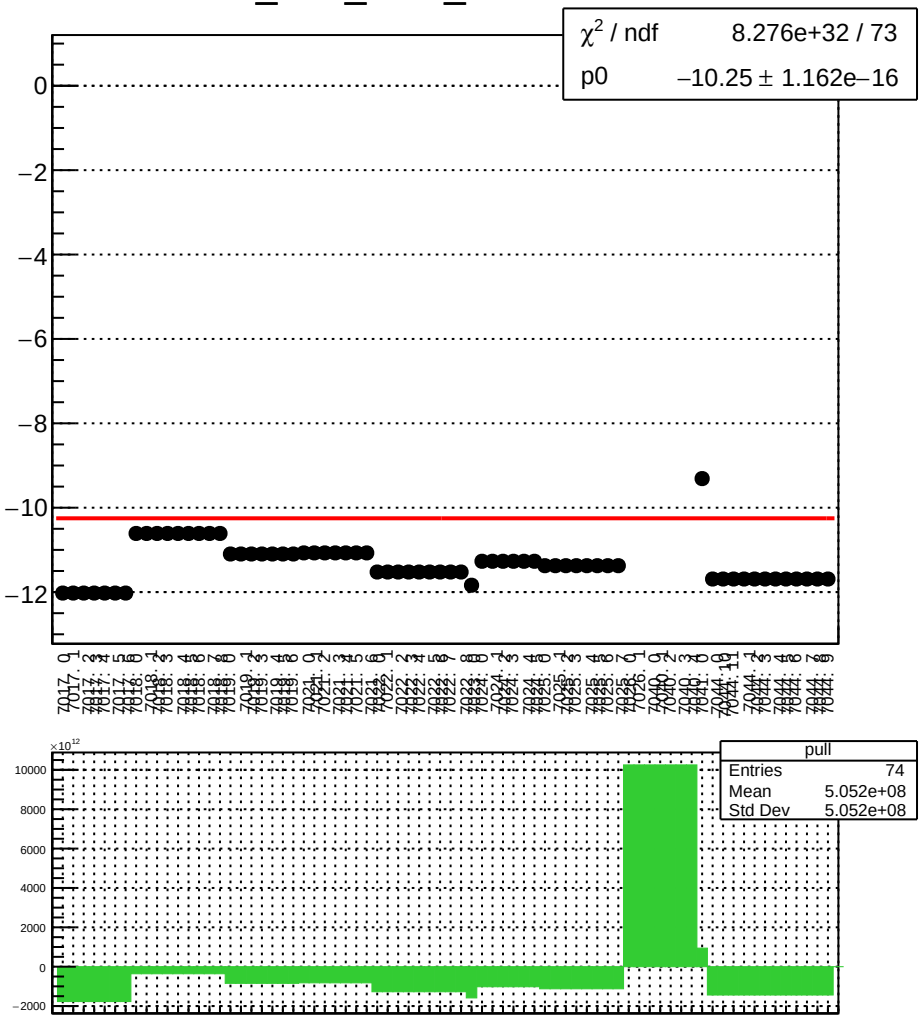

dit_11X12X_coil7_err_mean vs run
χ² / ndf 1.69e+33 / 73
p0 11.01± 1.162e−16
pull
Entries 74
Mean −1.174e+09
Std Dev 1.174e+09
pull1D
Entries 74
Mean 0
Std Dev 0

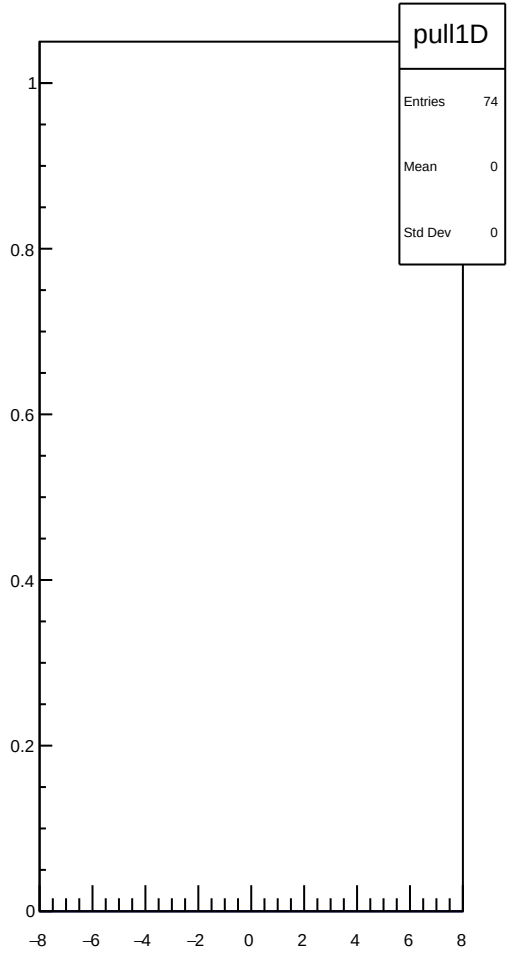
dit_11X12X_coil7_Ndata_mean vs run

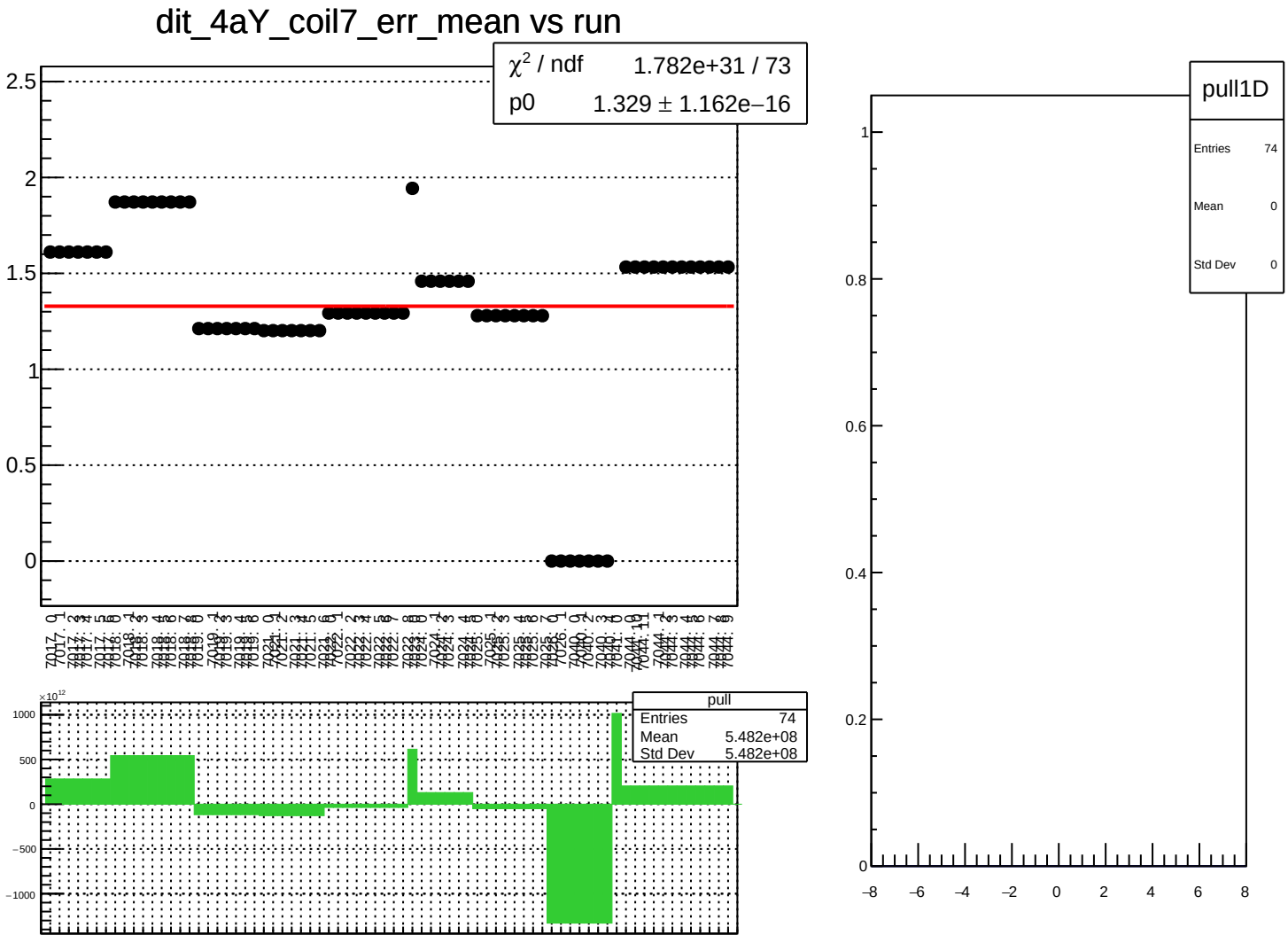




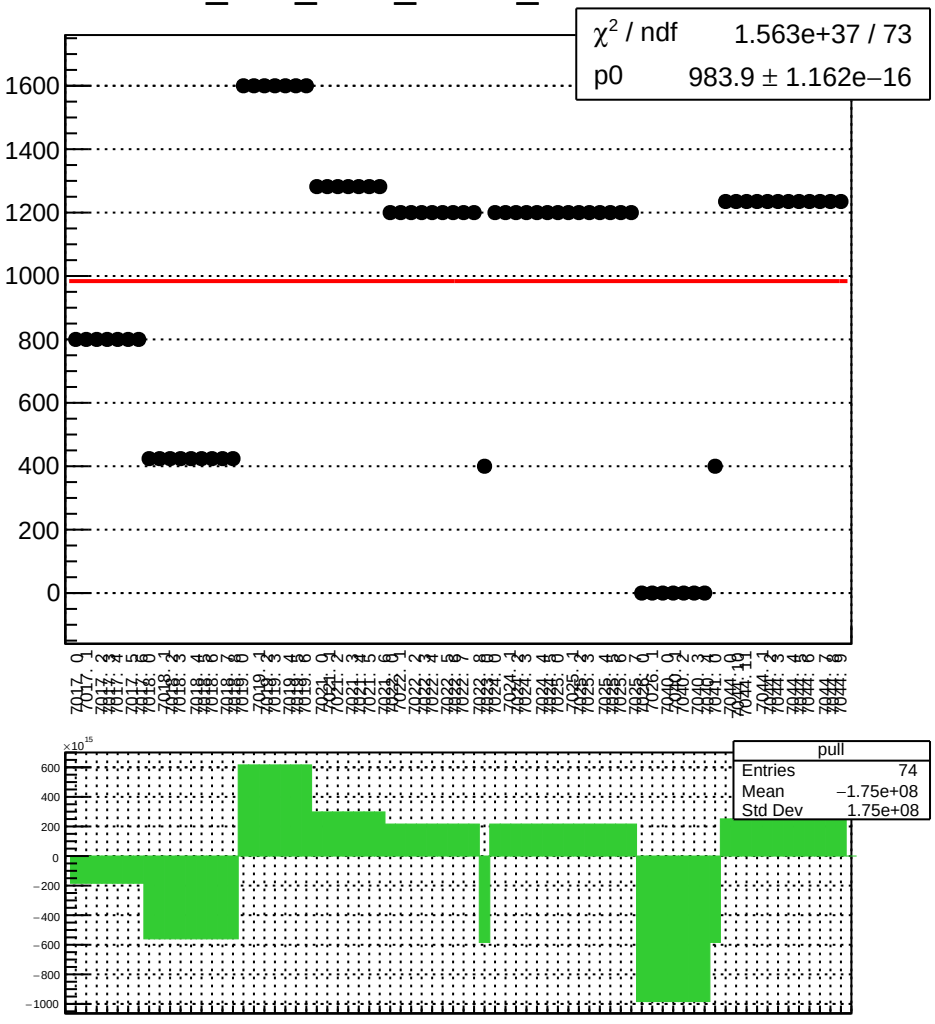
dit_4aY_coil7_mean vs run

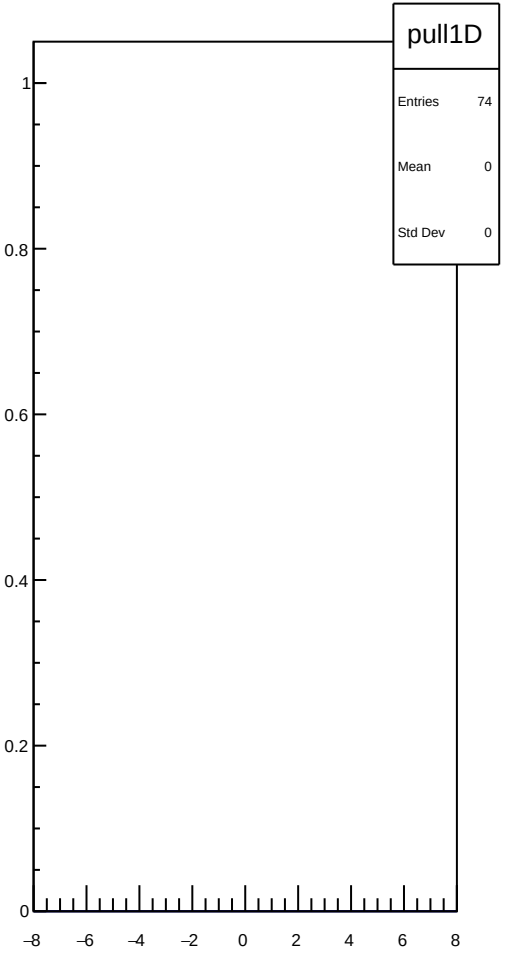




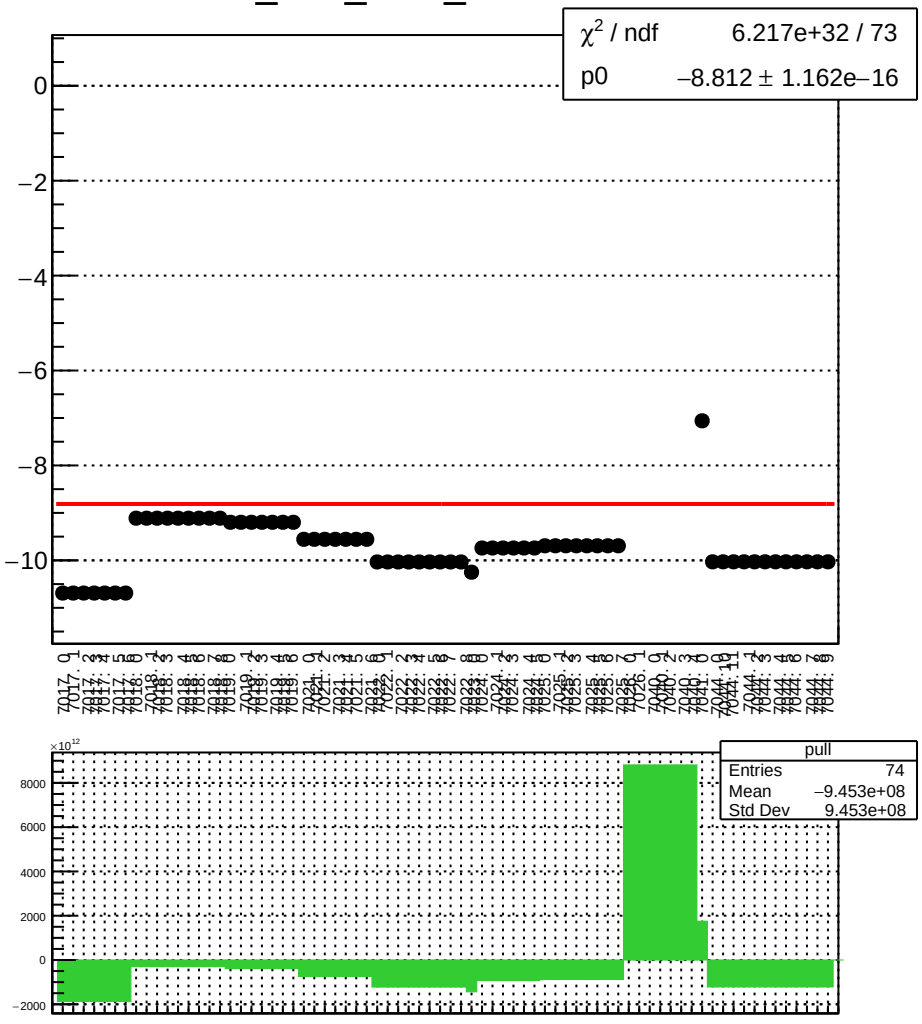

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.782e+31 / 73
p0 1.329 ± 1.162e−16
pull
Entries 74
Mean 5.482e+08
Std Dev 5.482e+08
pull1D
Entries 74
Mean 0
Std Dev 0

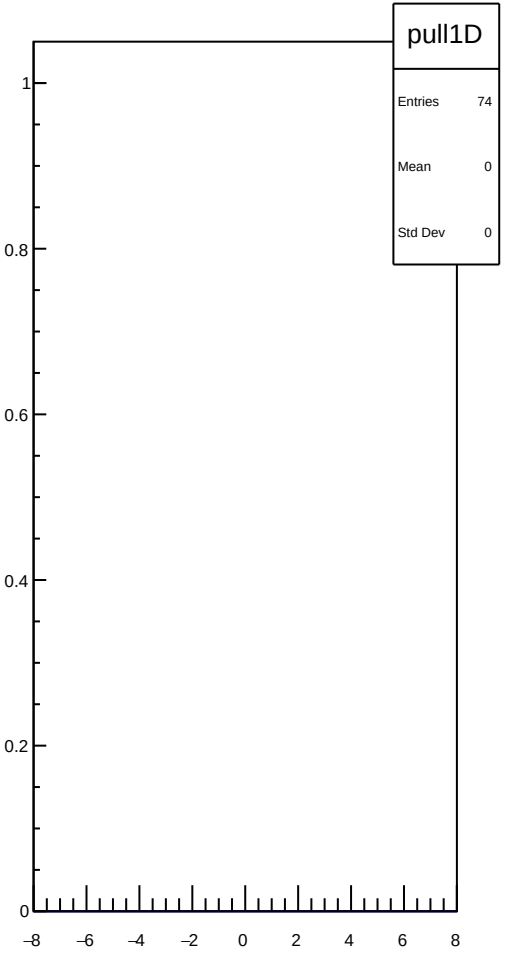
dit_4aY_coil7_Ndata_mean vs run



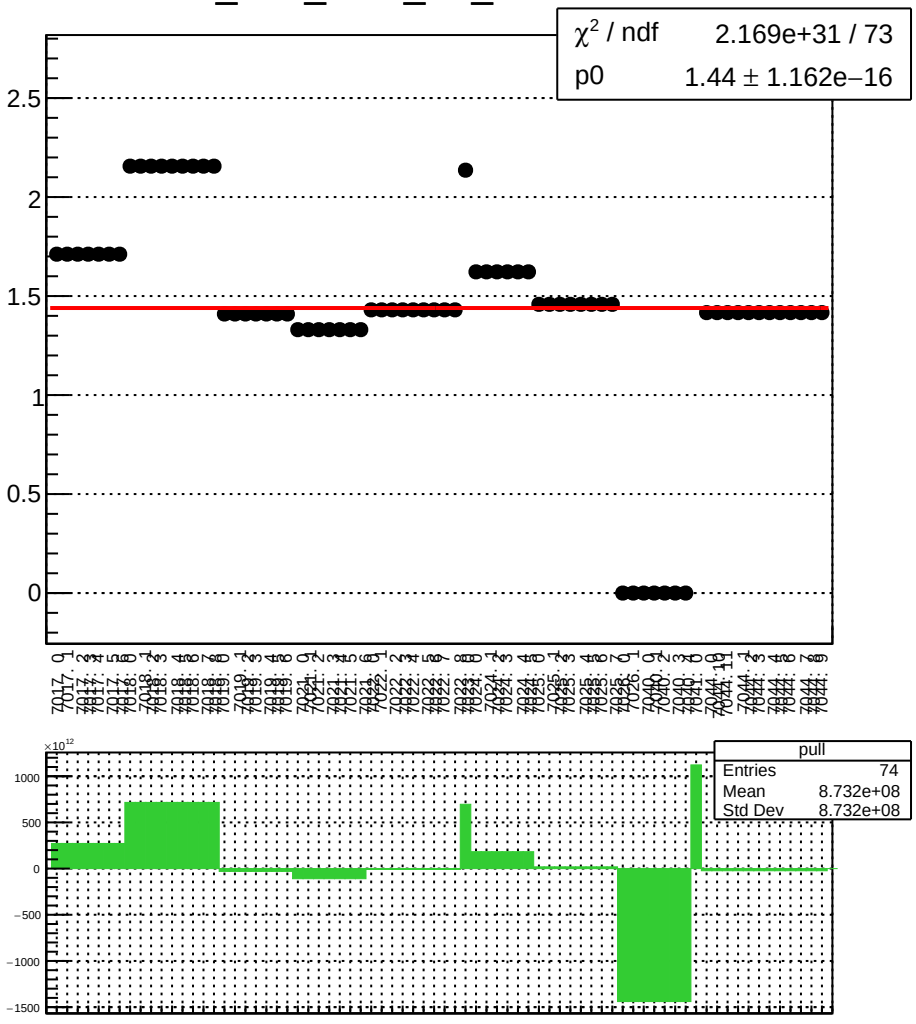


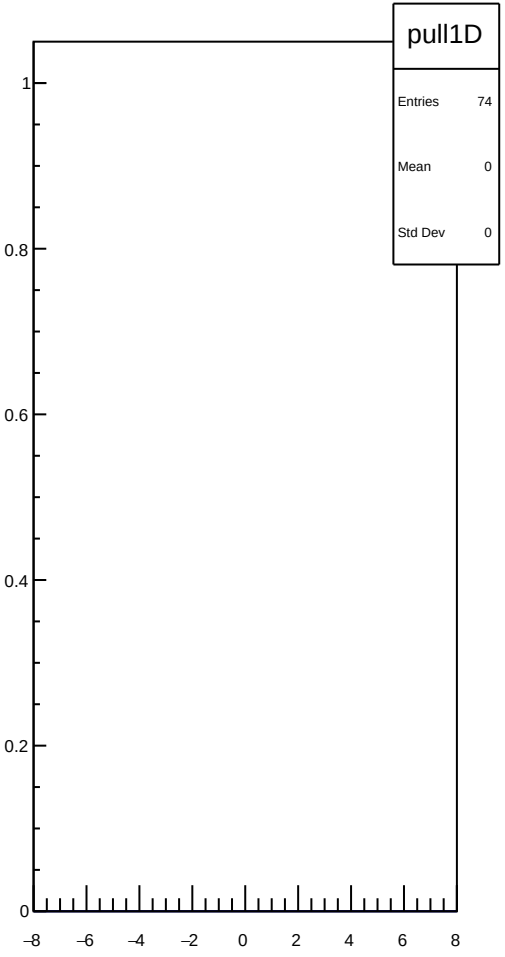
dit_4eY_coil7_mean vs run



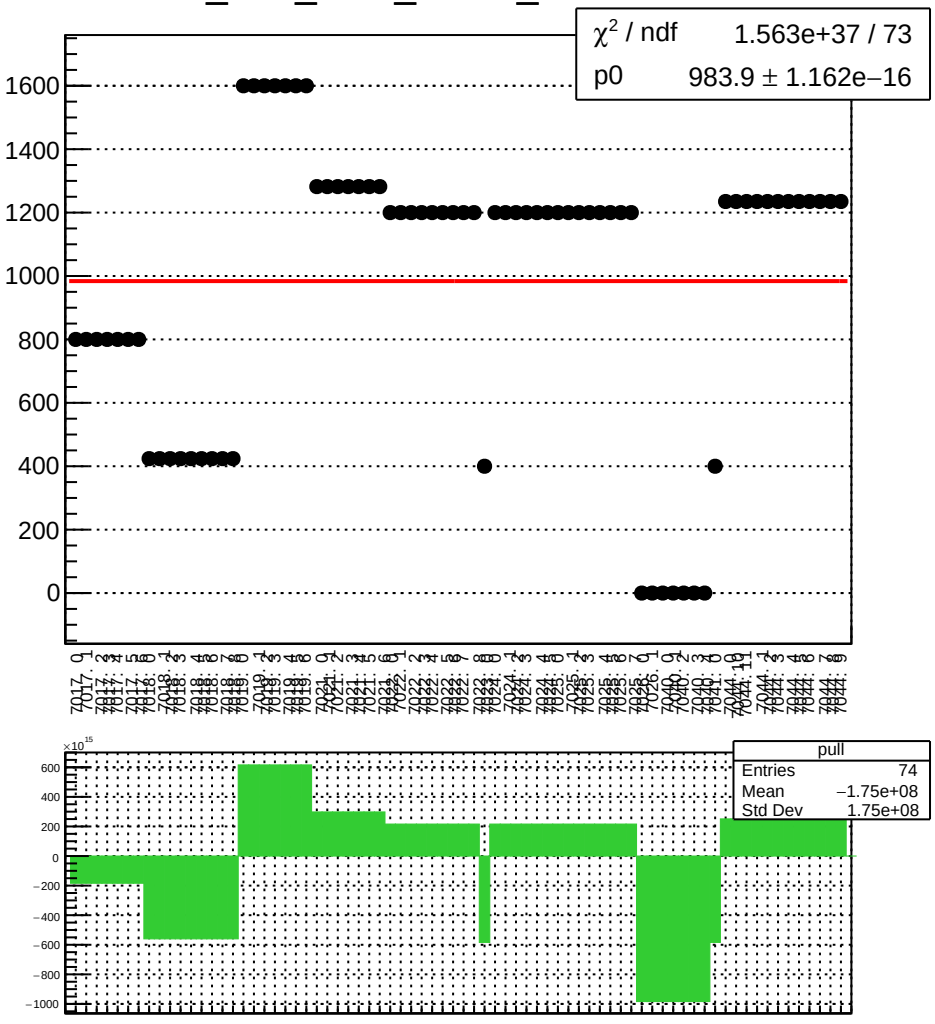


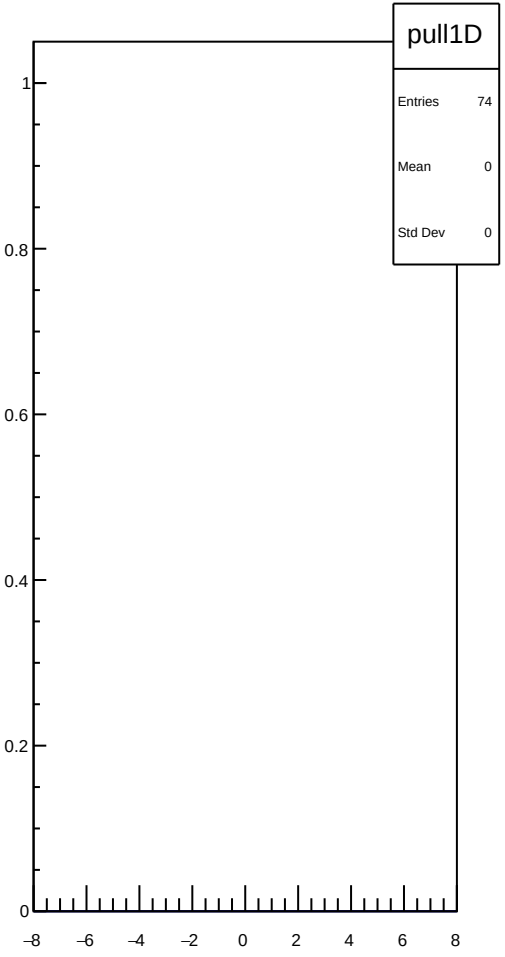
dit_4eY_coil7_err_mean vs run

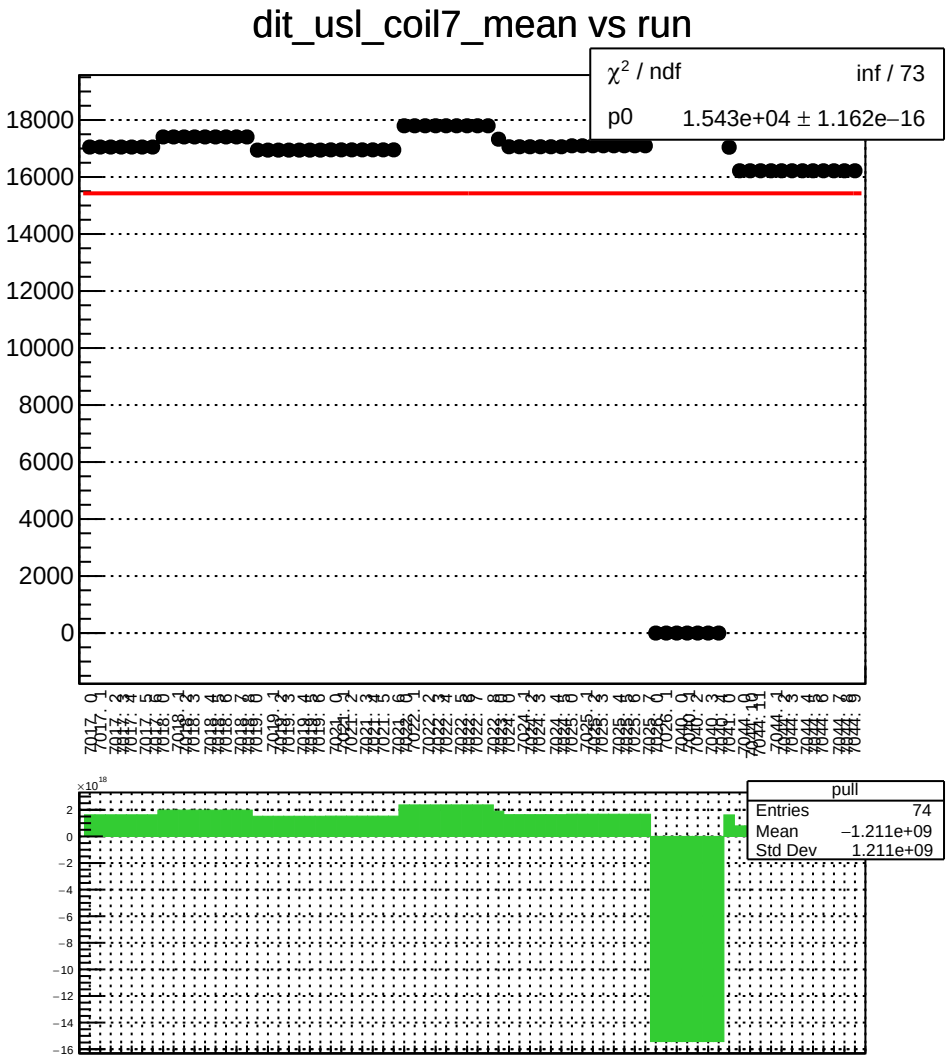


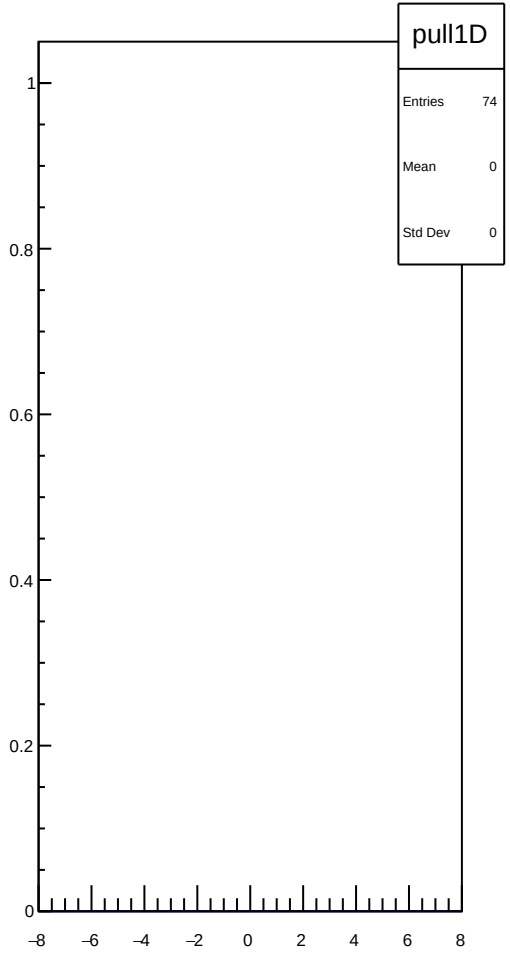


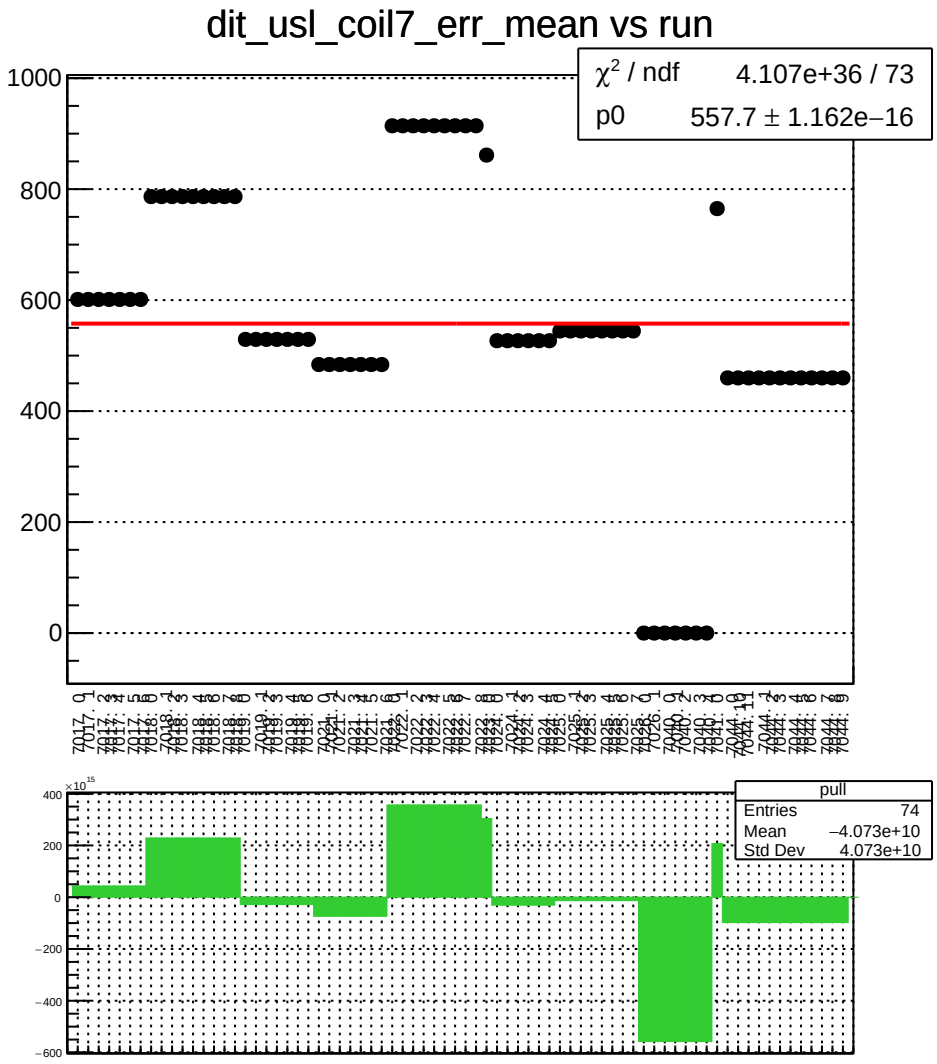
dit_4eY_coil7_Ndata_mean vs run

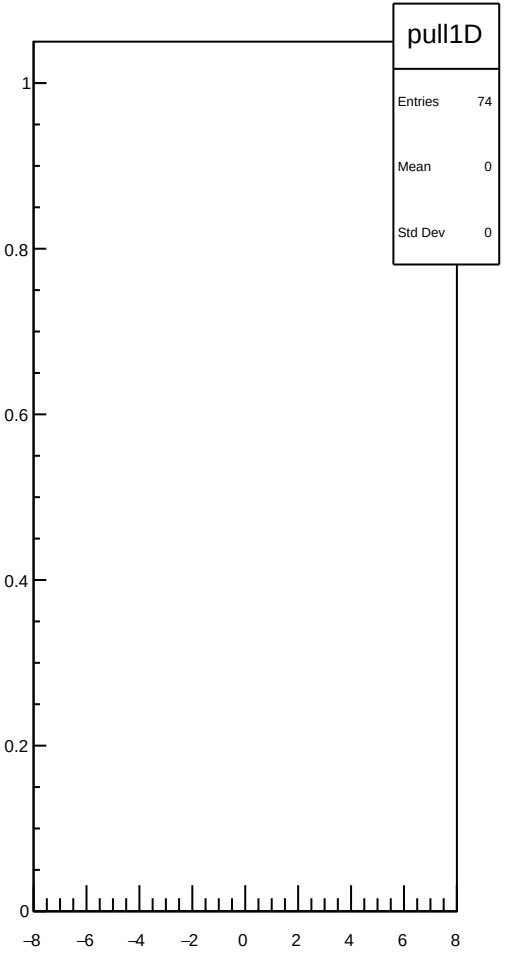


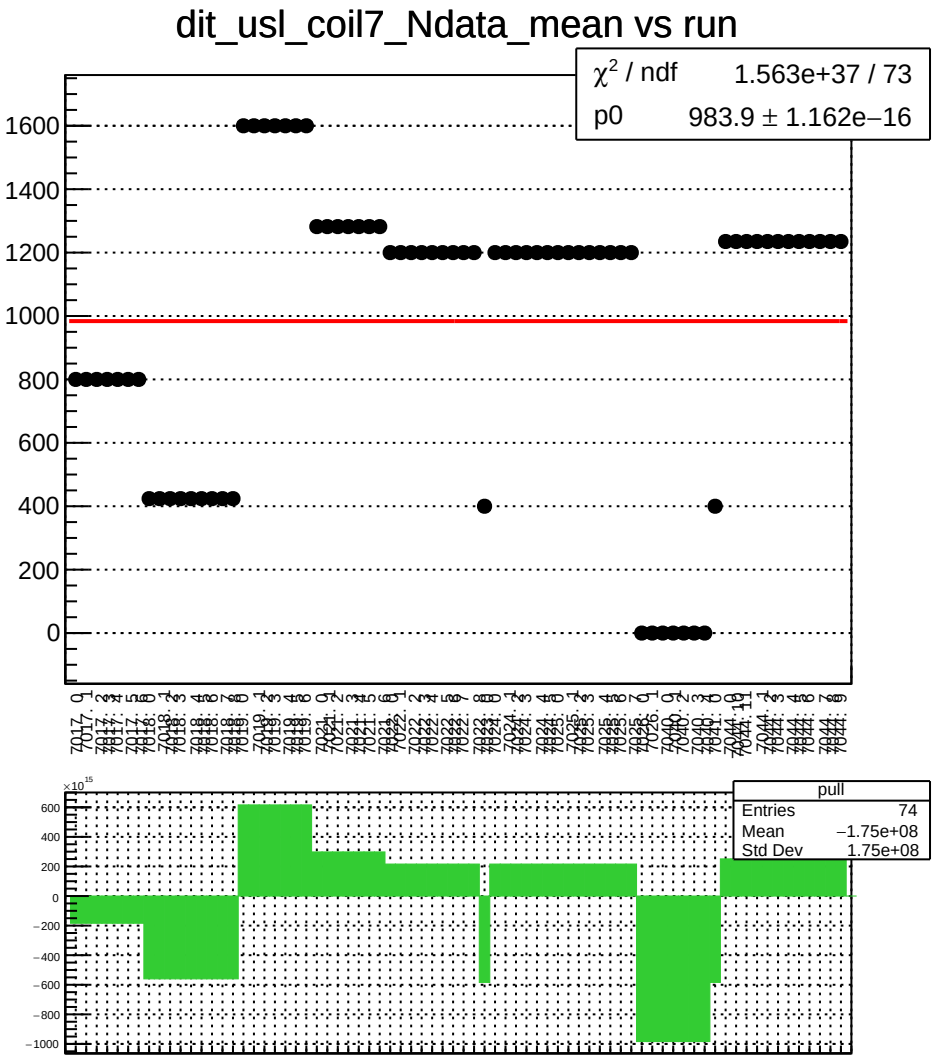


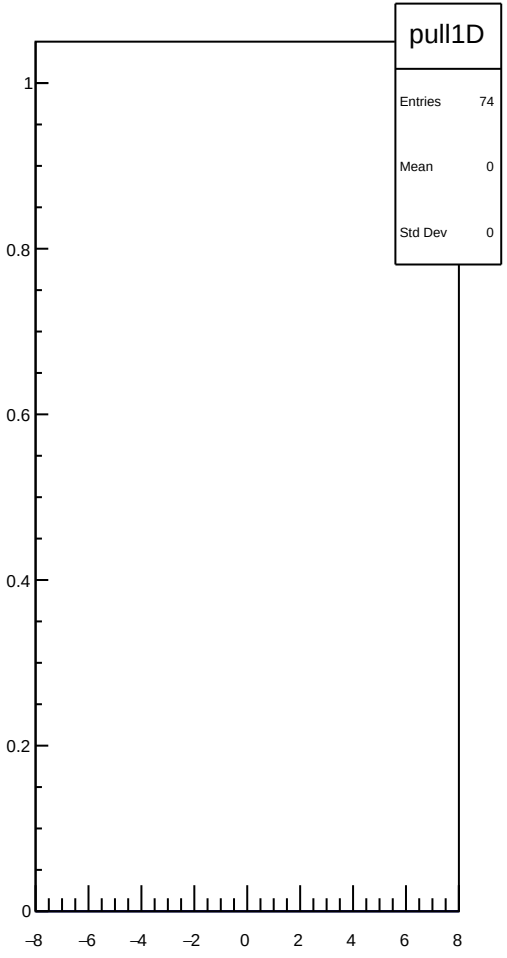

dit_usl_coil7_mean vs run
χ² / ndf inf / 73
p0 1.543e+04 ± 1.162e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 74
Mean −1.211e+09
Std Dev 1.211e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16

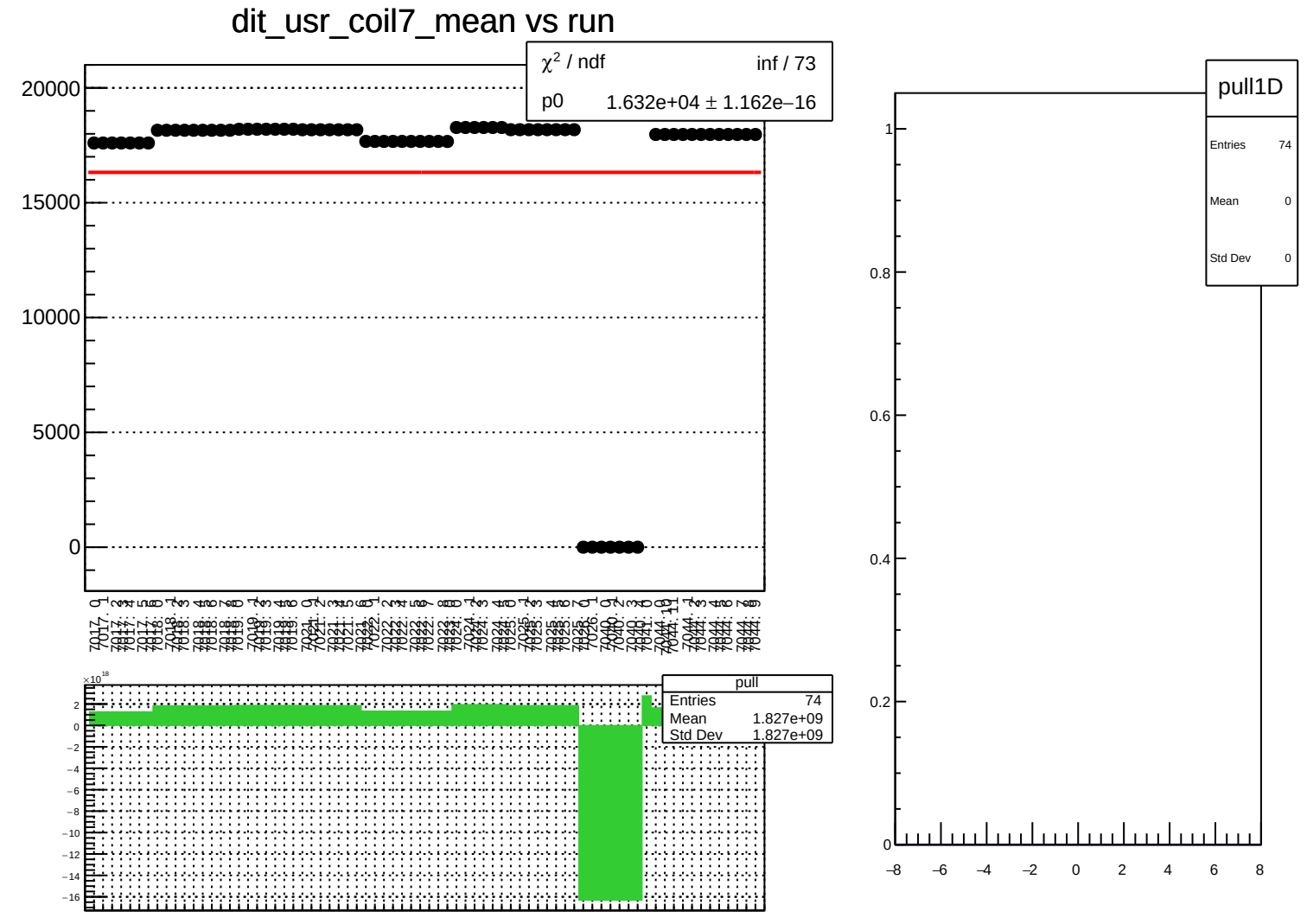

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

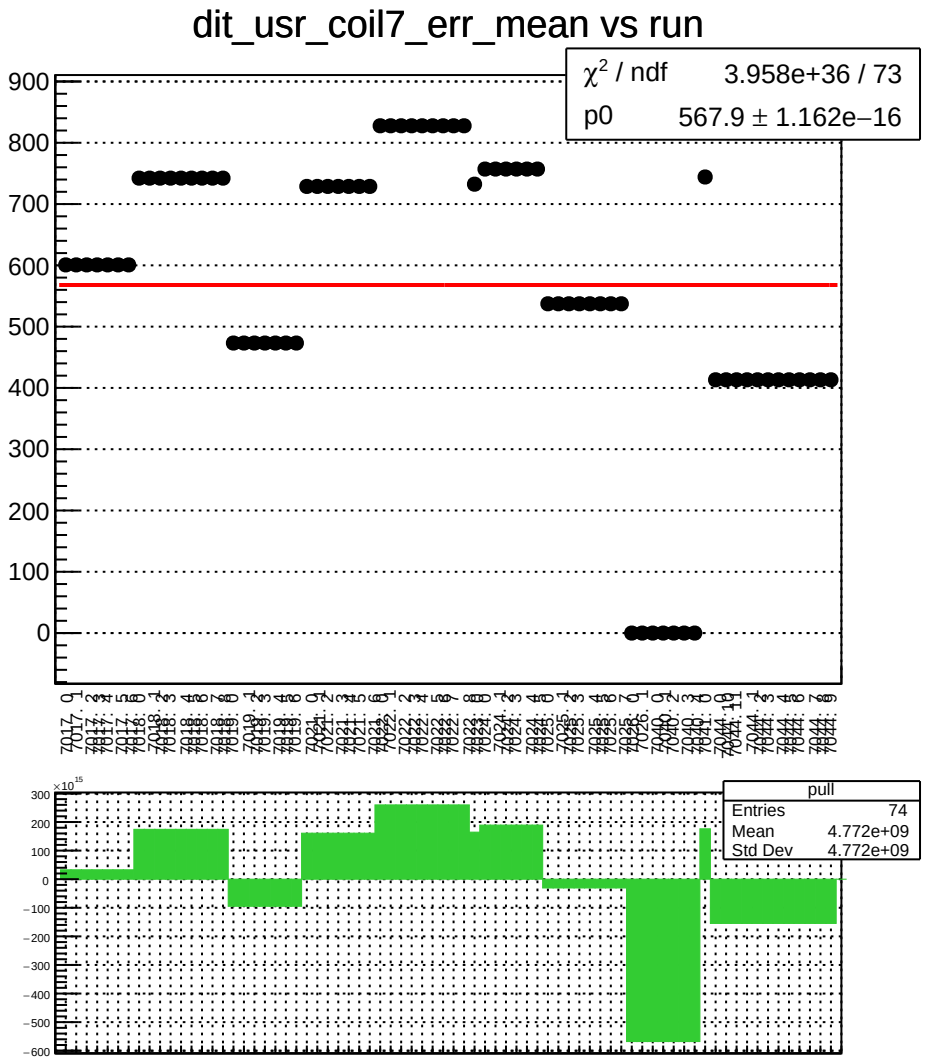

dit_usl_coil7_err_mean vs run
χ² / ndf 4.107e+36 / 73
p0 557.7 ± 1.162e−16
1000
800
600
400
200
0
pull
Entries 74
Mean −4.073e+10
Std Dev 4.073e+10
400
200
0
−200
−400
−600

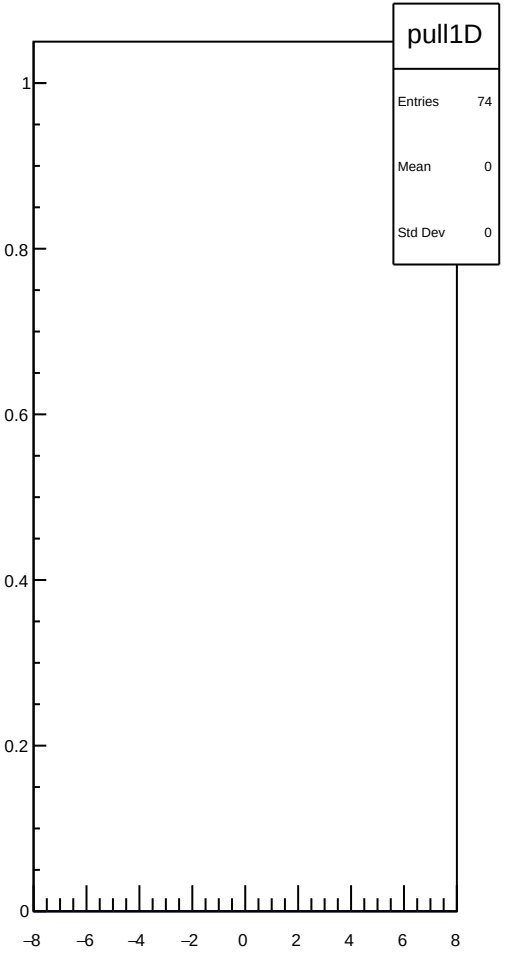

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

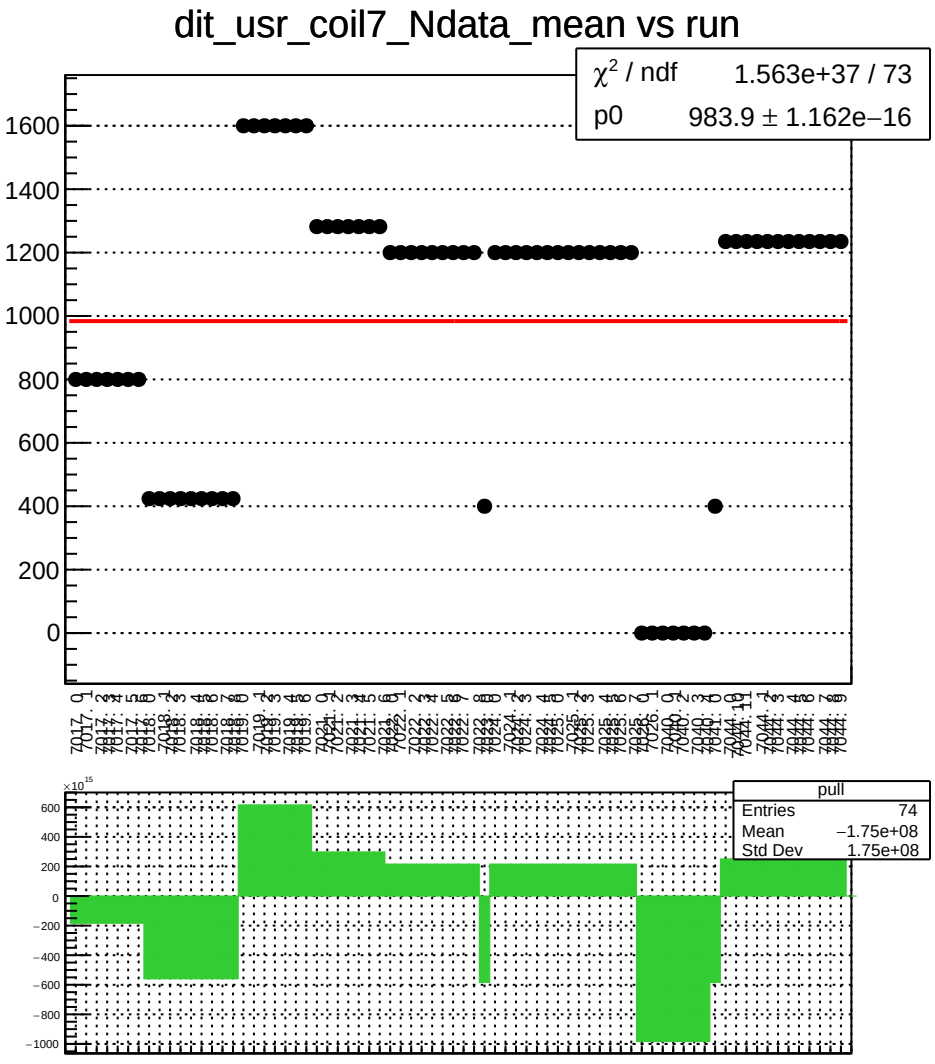

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08

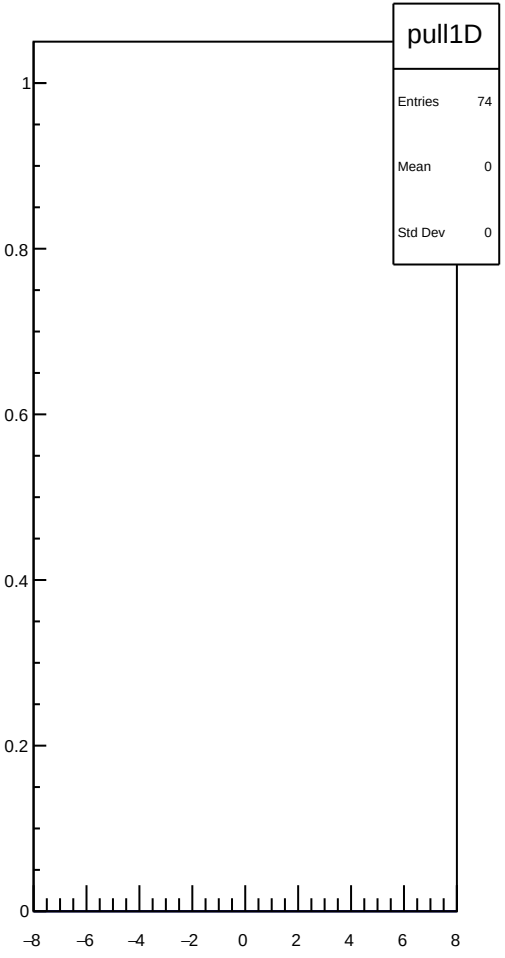

pull1D
Entries 74
Mean 0
Std Dev 0

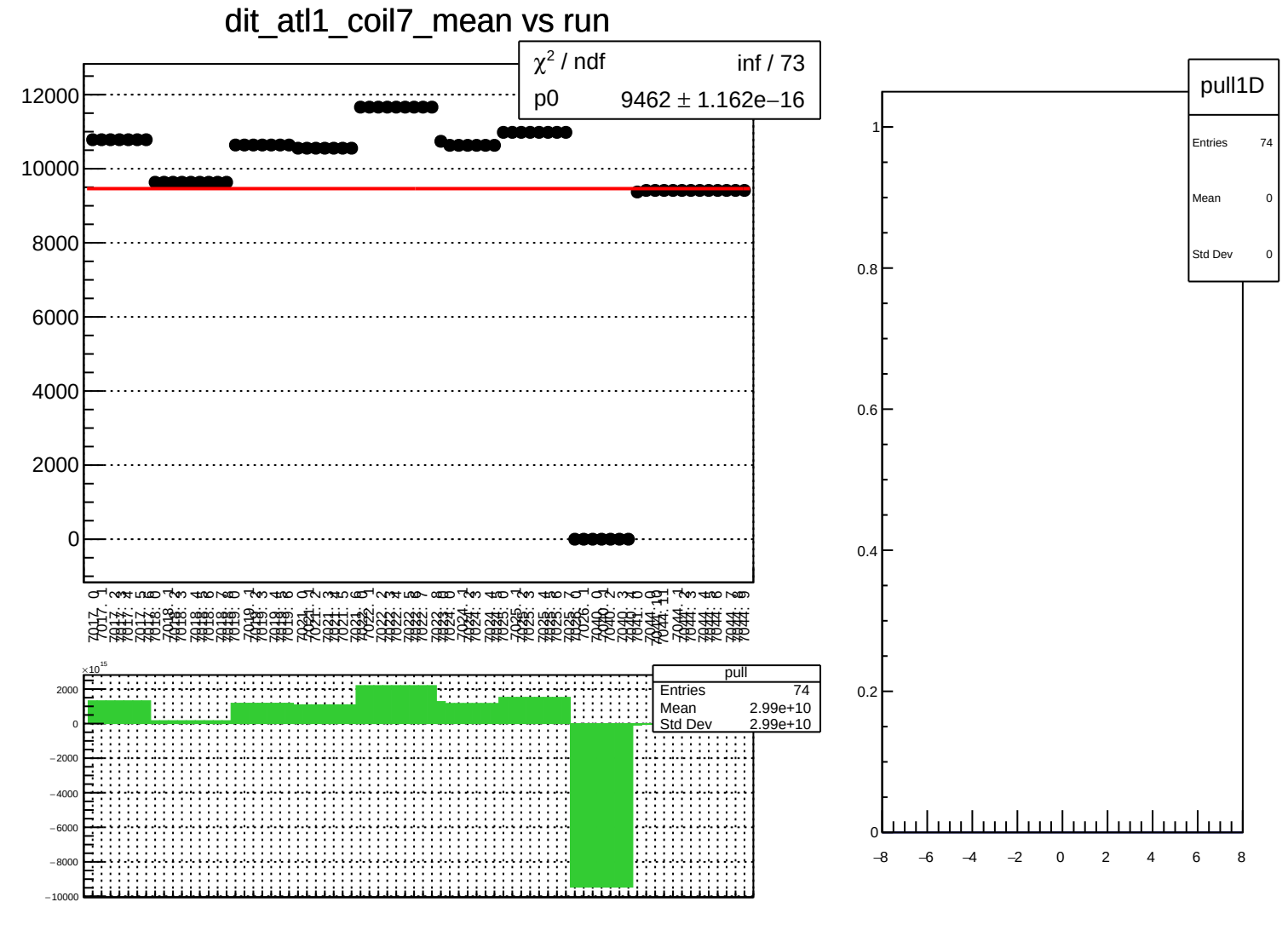

dit_usr_coil7_mean vs run
χ² / ndf inf / 73
p0 1.632e+04 ± 1.162e−16
20000
15000
10000
5000
0
pull
Entries 74
Mean 1.827e+09
Std Dev 1.827e+09
×10^18
pull1D
Entries 74
Mean 0
Std Dev 0

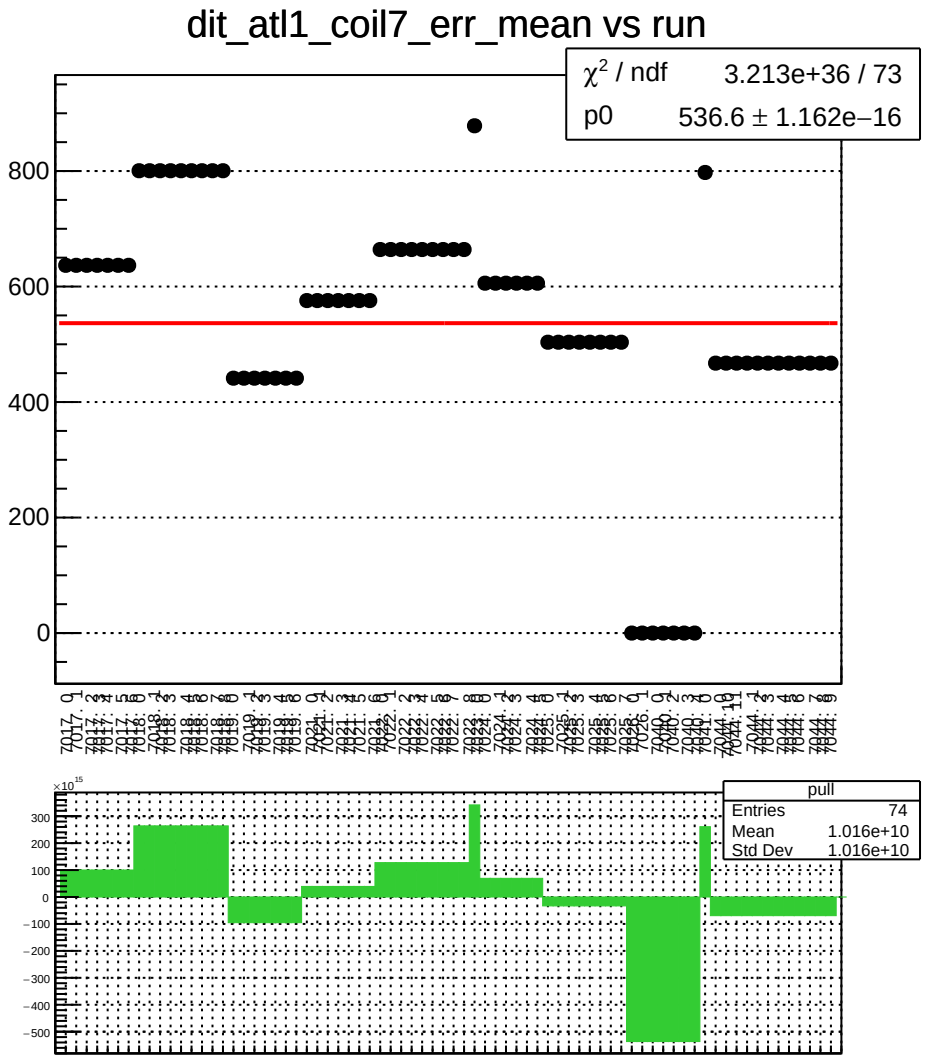

dit_usr_coil7_err_mean vs run
χ^2 / ndf 3.958e+36 / 73
p0 567.9 ± 1.162e−16
pull
Entries 74
Mean 4.772e+09
Std Dev 4.772e+09

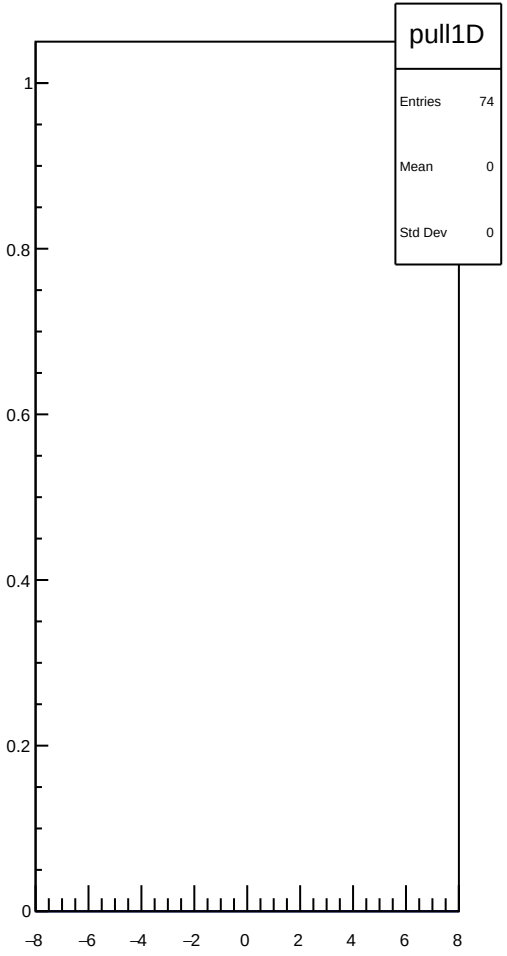

pull1D
Entries 74
Mean 0
Std Dev 0


dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08

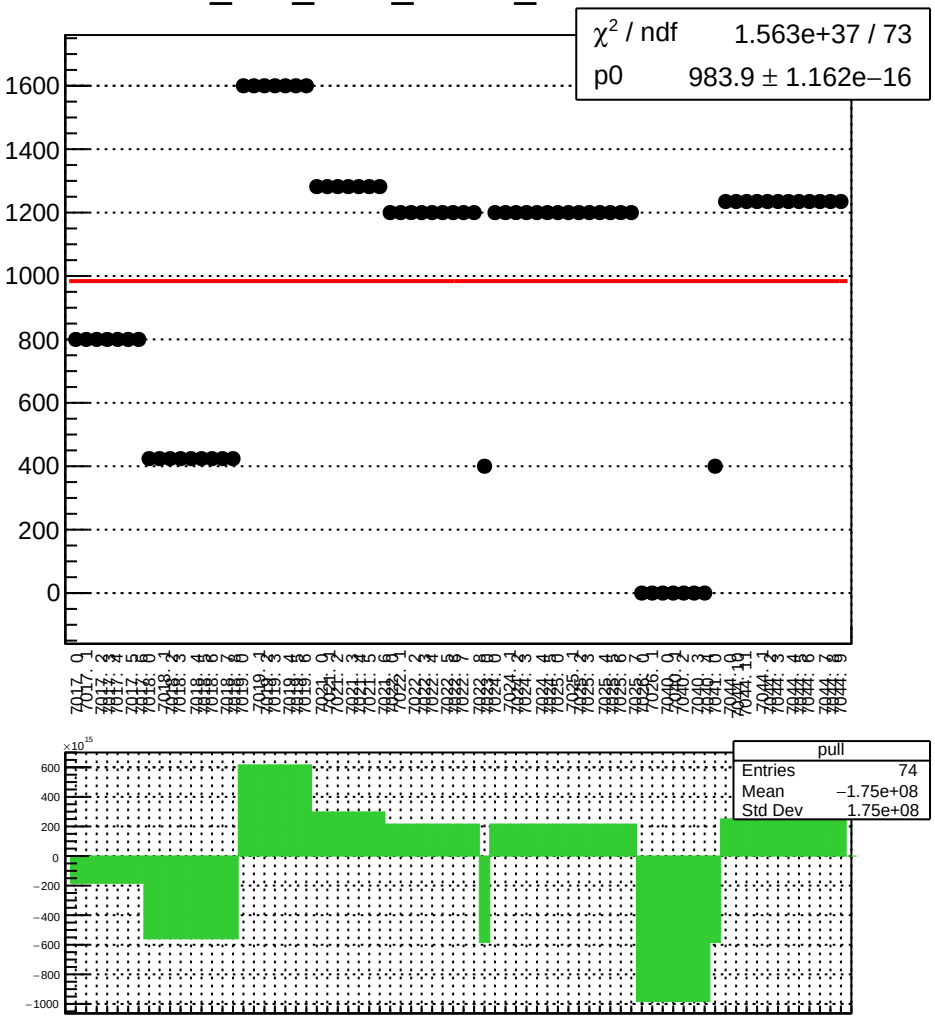

pull1D
Entries 74
Mean 0
Std Dev 0

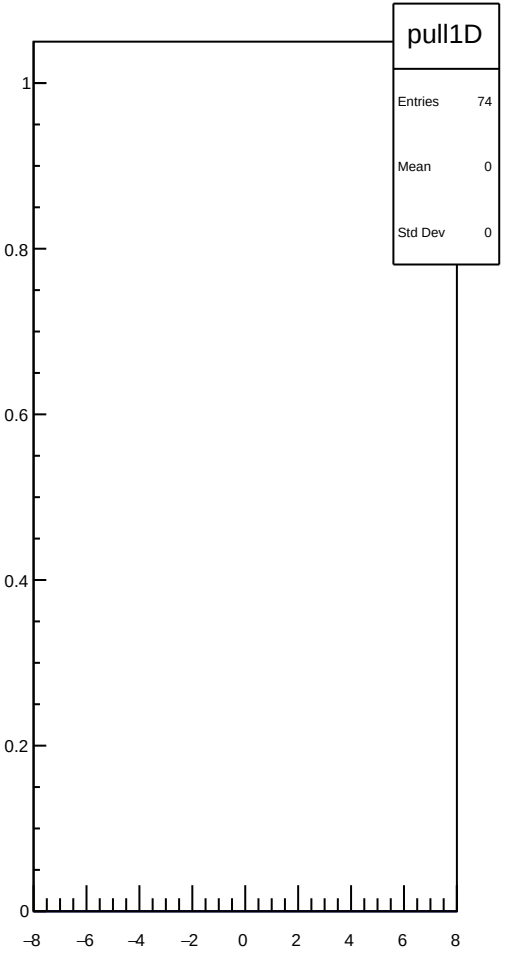

dit_atl1_coil7_mean vs run
χ² / ndf inf / 73
p0 9462 ± 1.162e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 74
Mean 2.99e+10
Std Dev 2.99e+10
×10¹⁵
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

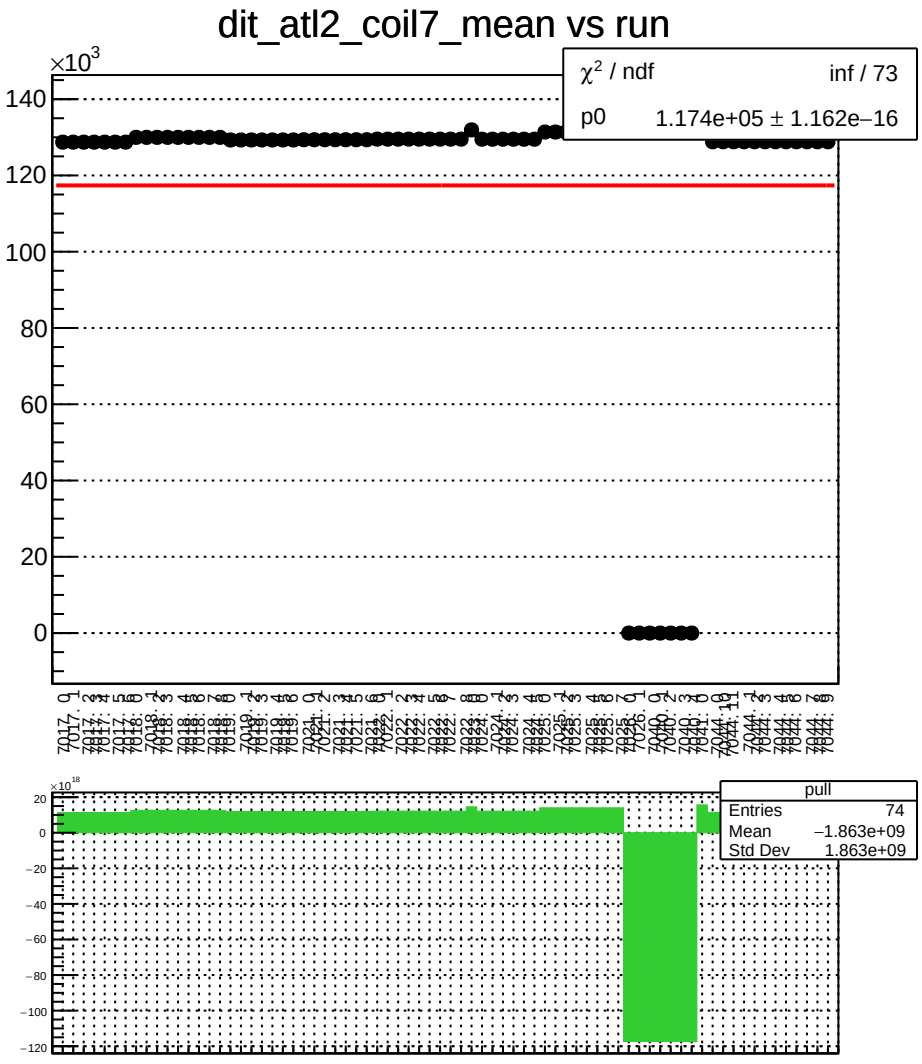

dit_atl1_coil7_err_mean vs run
χ² / ndf 3.213e+36 / 73
p0 536.6 ± 1.162e−16
800
600
400
200
0
pull
Entries 74
Mean 1.016e+10
Std Dev 1.016e+10
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500

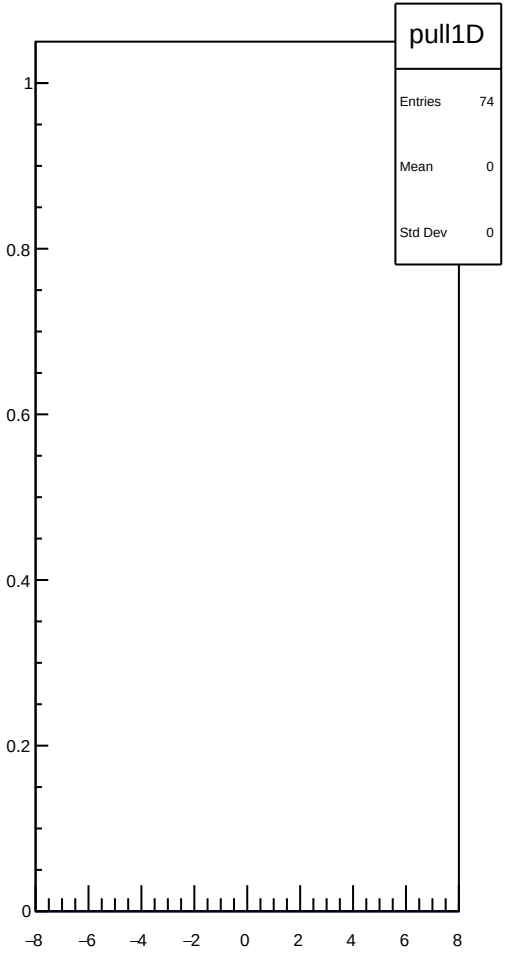

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

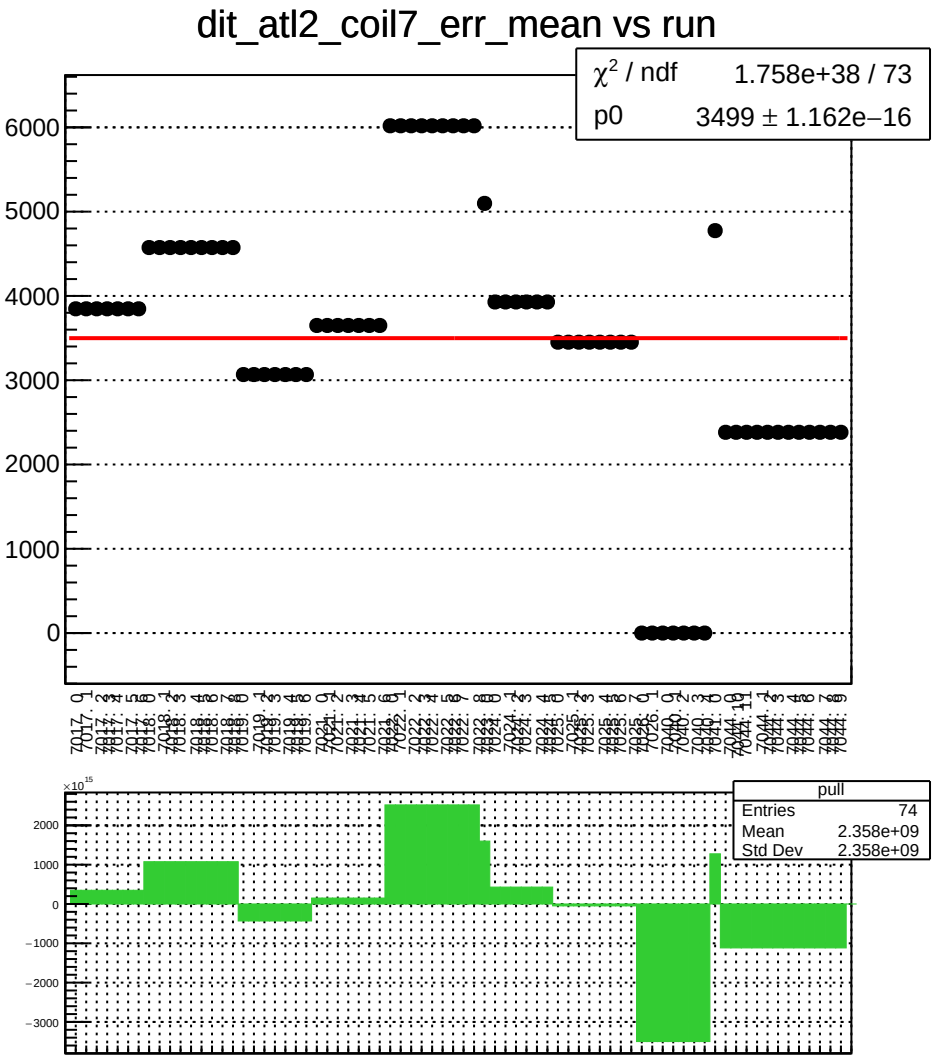
dit_atl1_coil7_Ndata_mean vs run

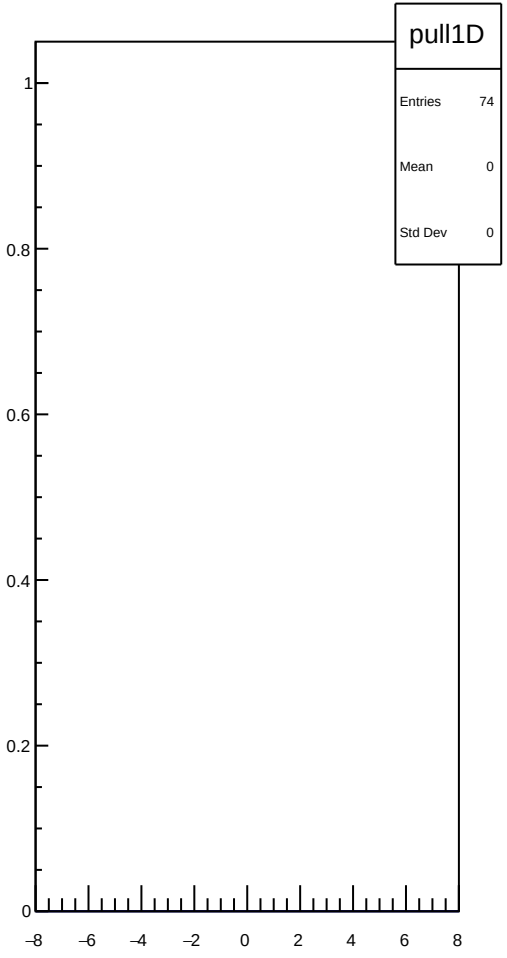




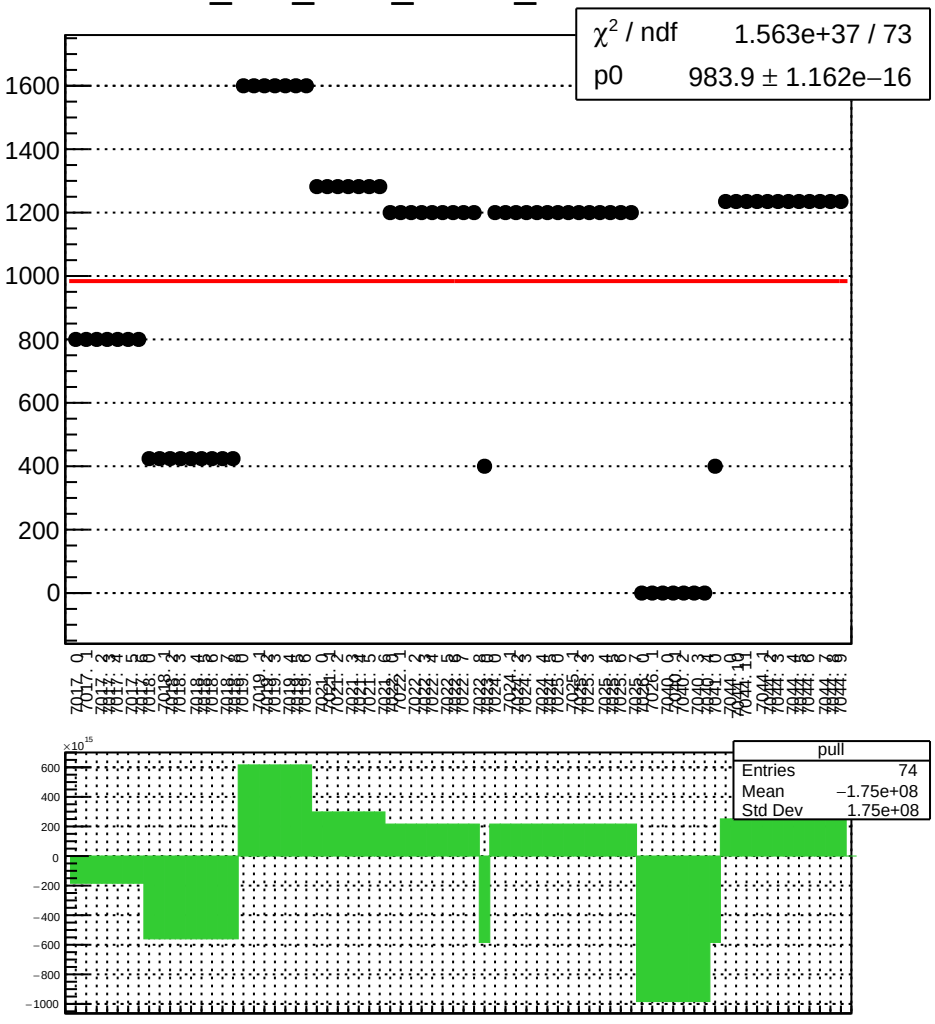

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 73
p0 1.174e+05 ± 1.162e−16
pull
Entries 74
Mean −1.863e+09
Std Dev 1.863e+09
×10^18

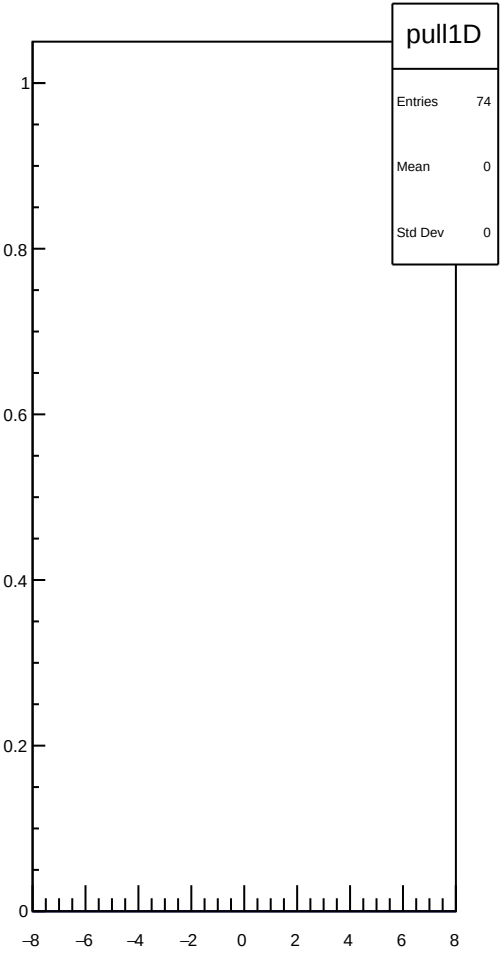

pull1D
Entries 74
Mean 0
Std Dev 0

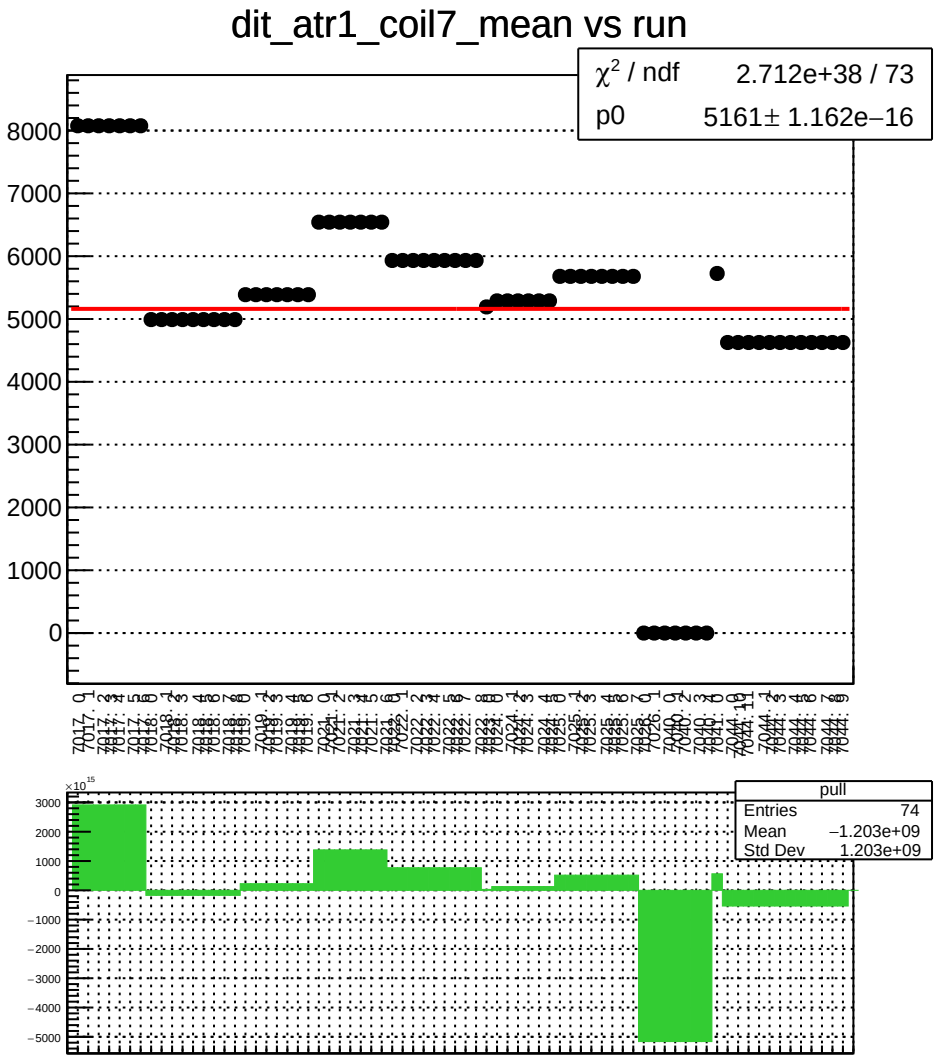

dit_atl2_coil7_err_mean vs run
χ² / ndf 1.758e+38 / 73
p0 3499 ± 1.162e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean 2.358e+09
Std Dev 2.358e+09
×10¹⁵
2000
1000
0
−1000
−2000
−3000

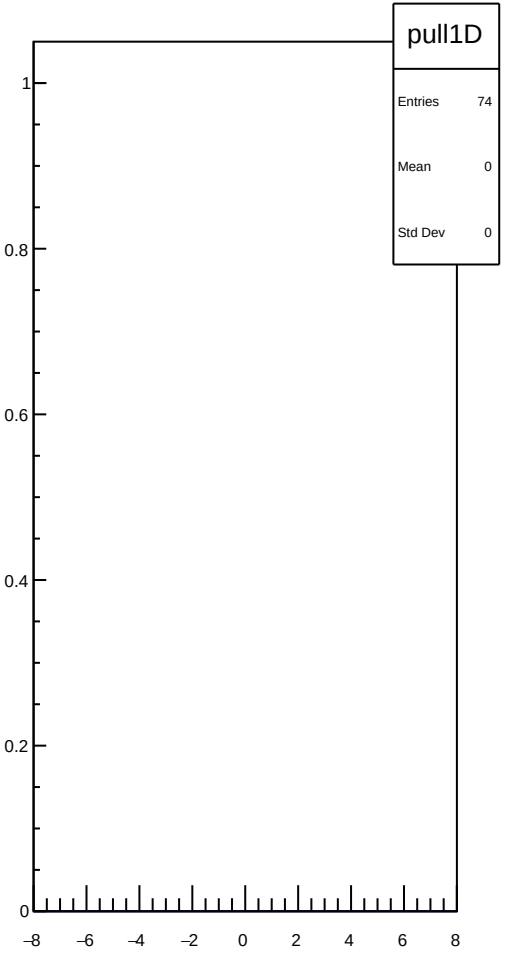

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

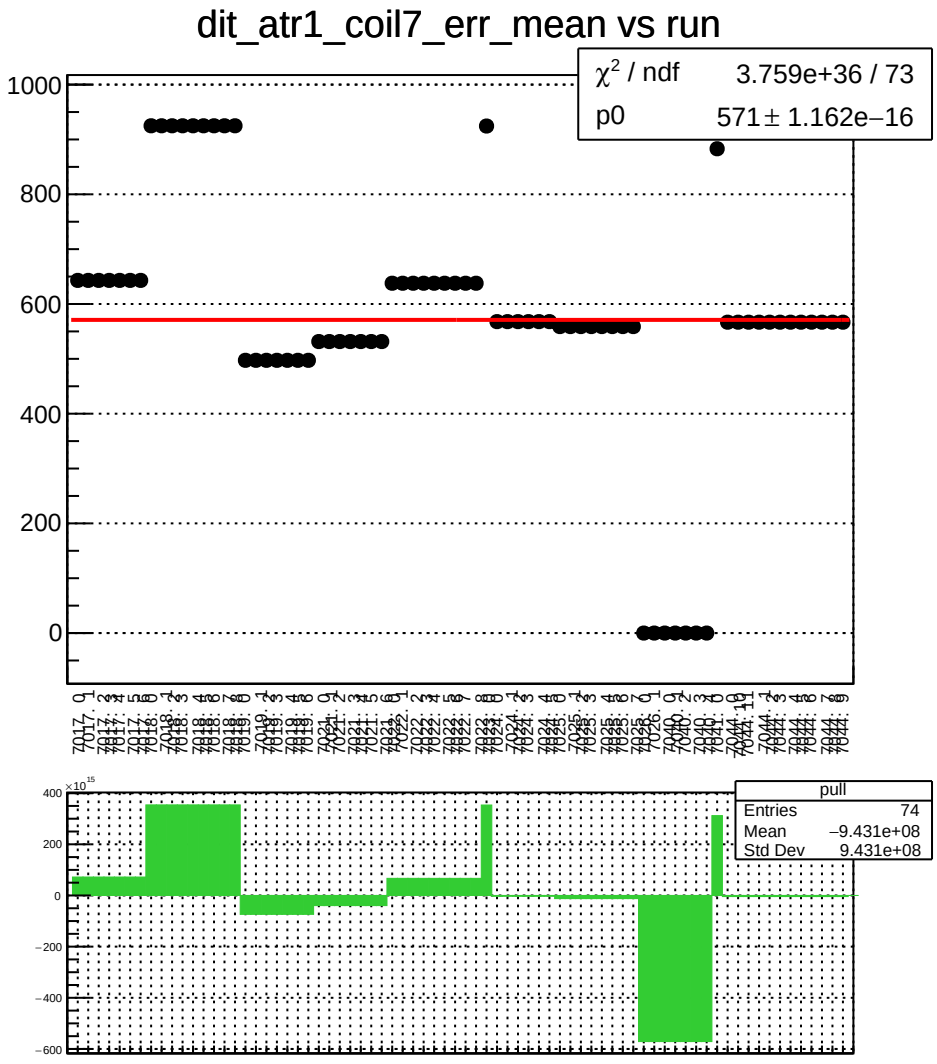
dit_atl2_coil7_Ndata_mean vs run

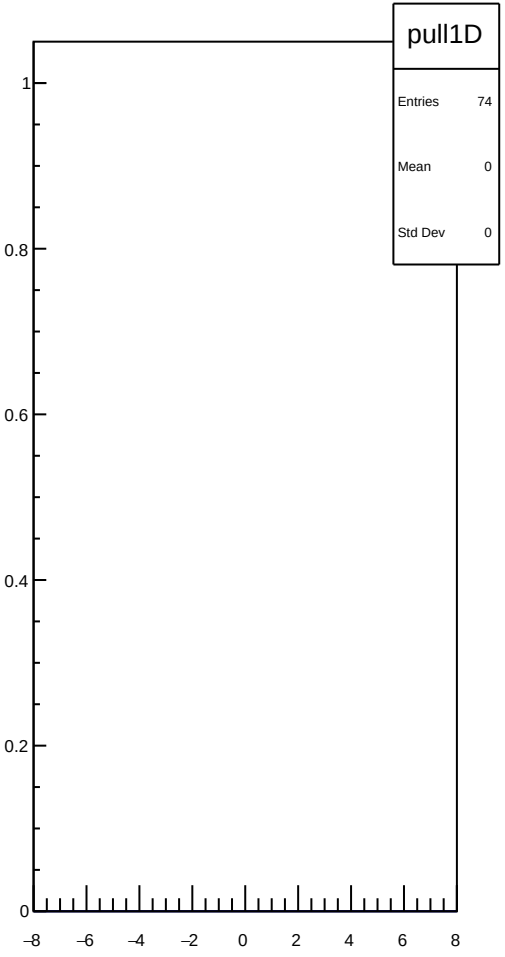


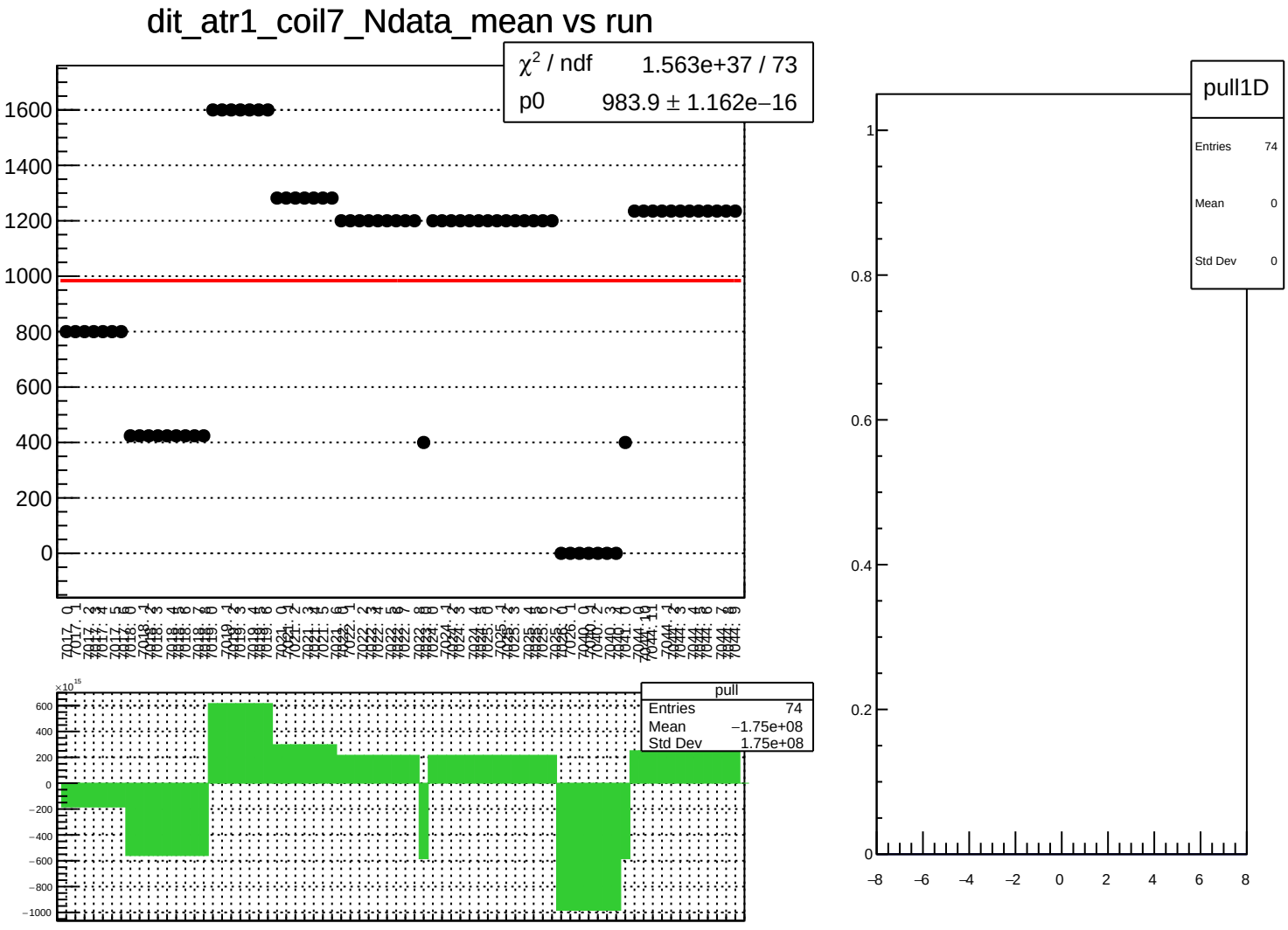


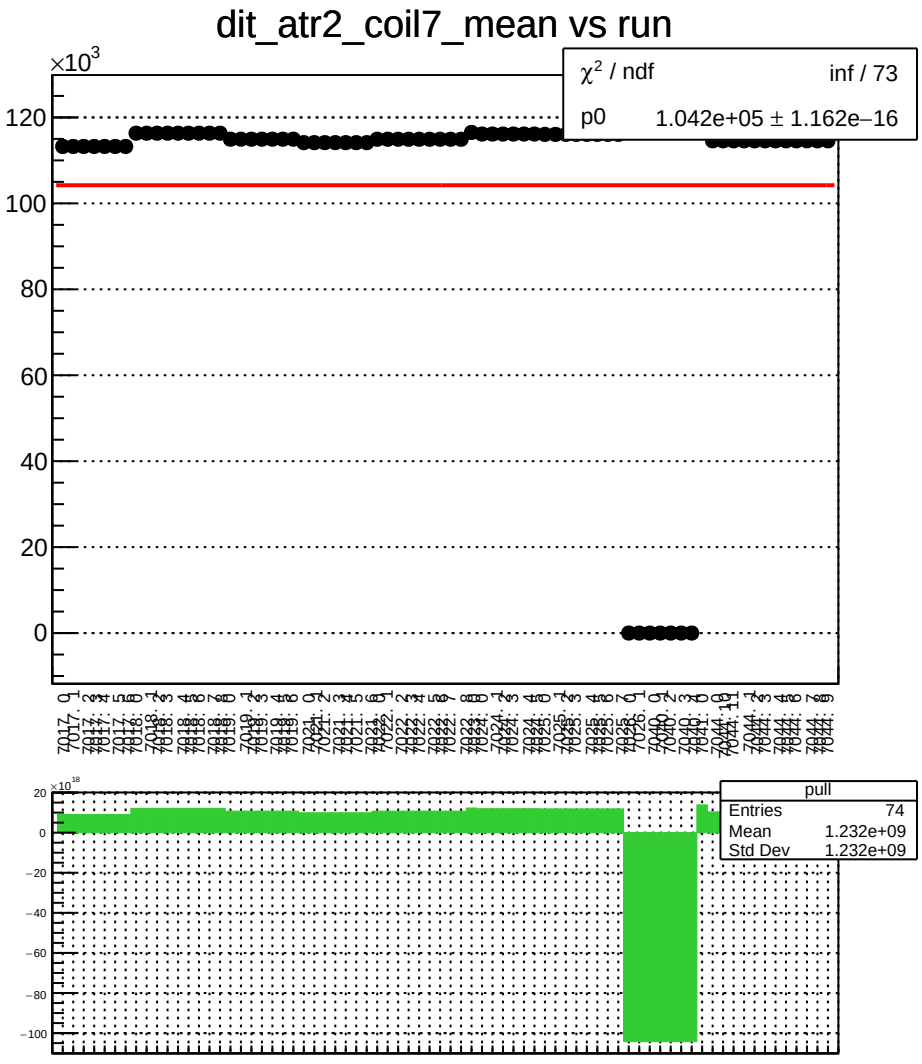

dit_atr1_coil7_mean vs run
χ² / ndf 2.712e+38 / 73
p0 5161± 1.162e−16
pull
Entries 74
Mean −1.203e+09
Std Dev 1.203e+09

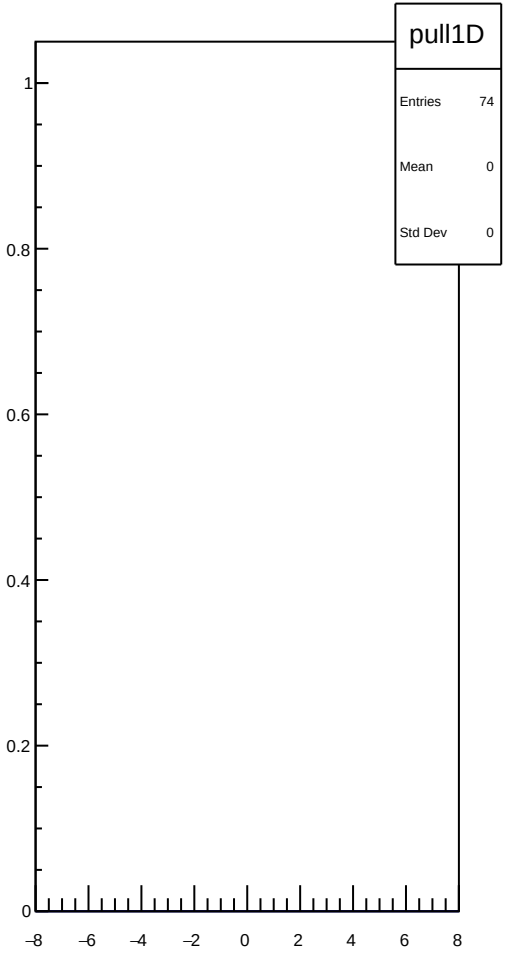

pull1D
Entries 74
Mean 0
Std Dev 0

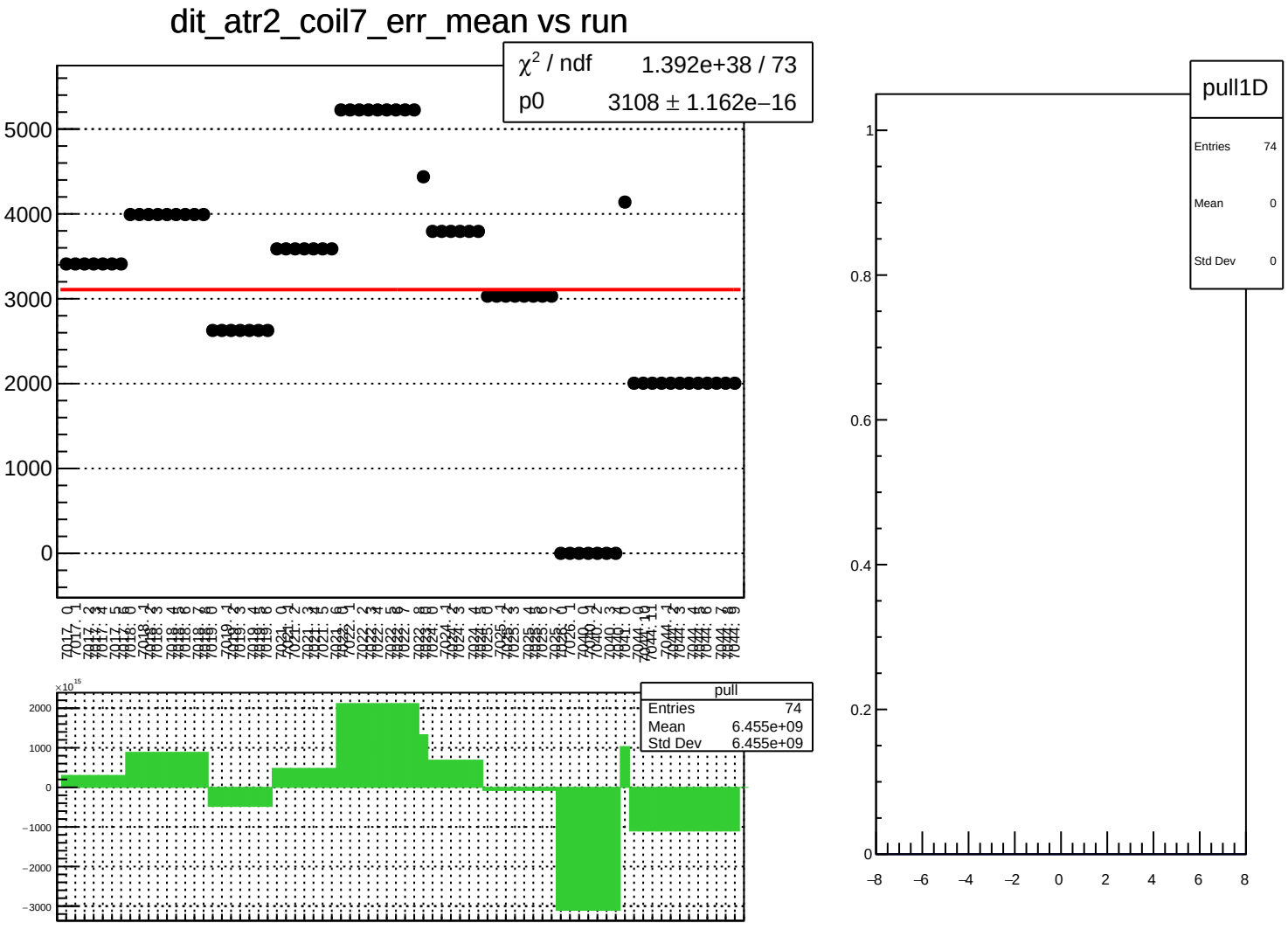

dit_atr1_coil7_err_mean vs run
χ² / ndf 3.759e+36 / 73
p0 571 ± 1.162e−16
1000
800
600
400
200
0
pull
Entries 74
Mean −9.431e+08
Std Dev 9.431e+08
400
200
0
−200
−400
−600


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

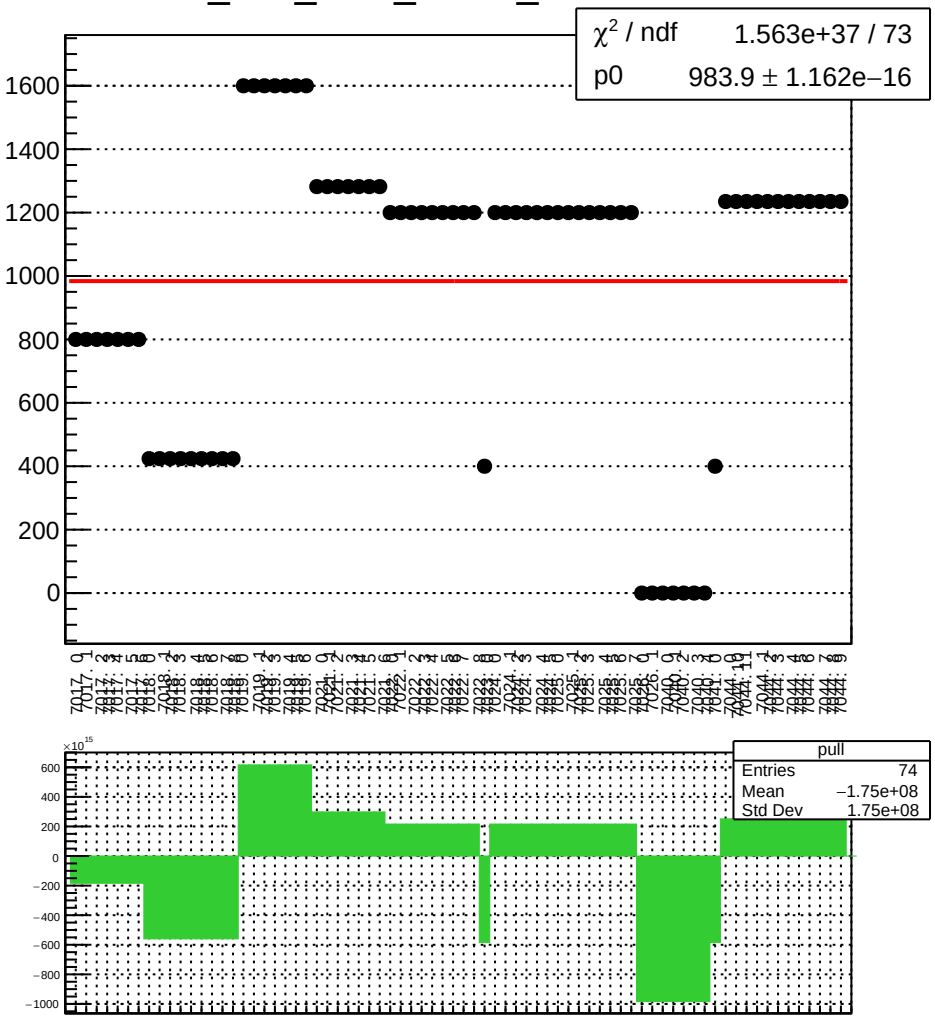

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08
pull1D
Entries 74
Mean 0
Std Dev 0

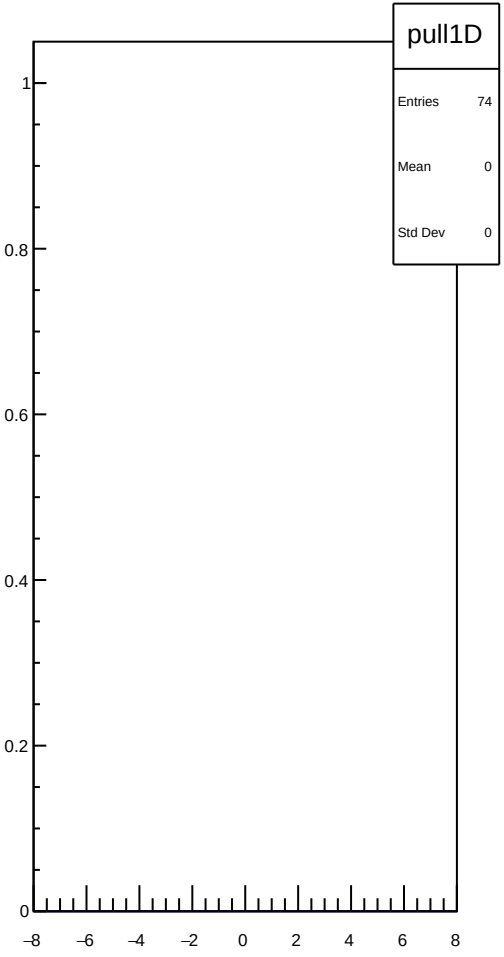

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 73
p0 1.042e+05 ± 1.162e−16
120
100
80
60
40
20
0
pull
Entries 74
Mean 1.232e+09
Std Dev 1.232e+09
×10^18
20
0
−20
−40
−60
−80
−100

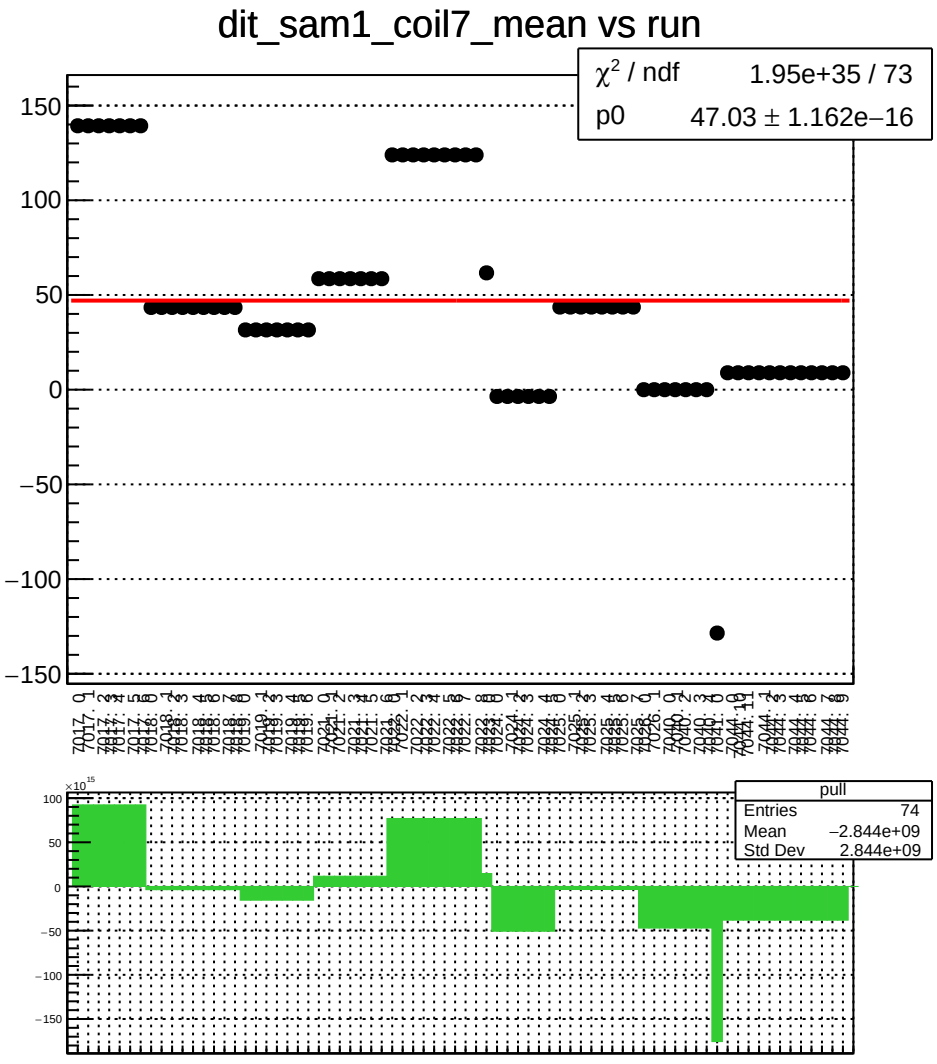

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

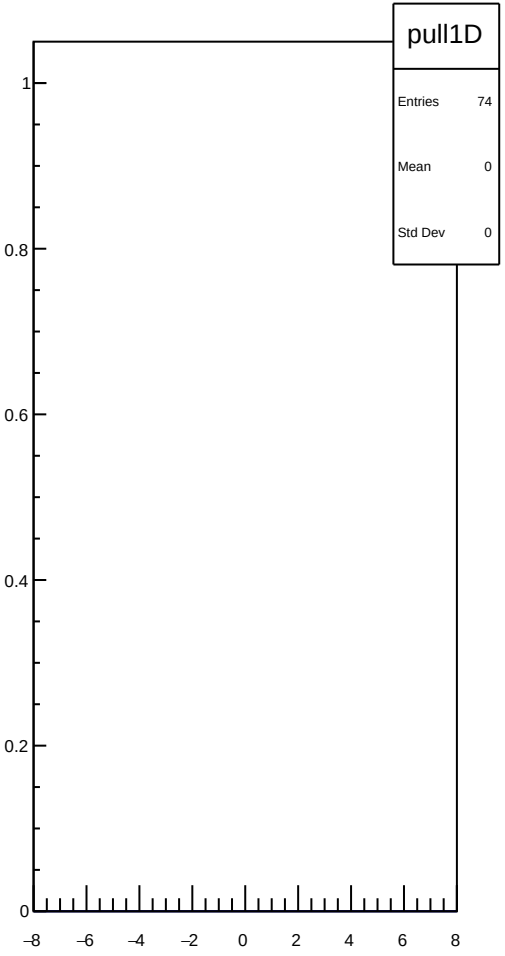

dit_atr2_coil7_err_mean vs run
χ² / ndf 1.392e+38 / 73
p0 3108 ± 1.162e−16
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean 6.455e+09
Std Dev 6.455e+09
×10¹⁵
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

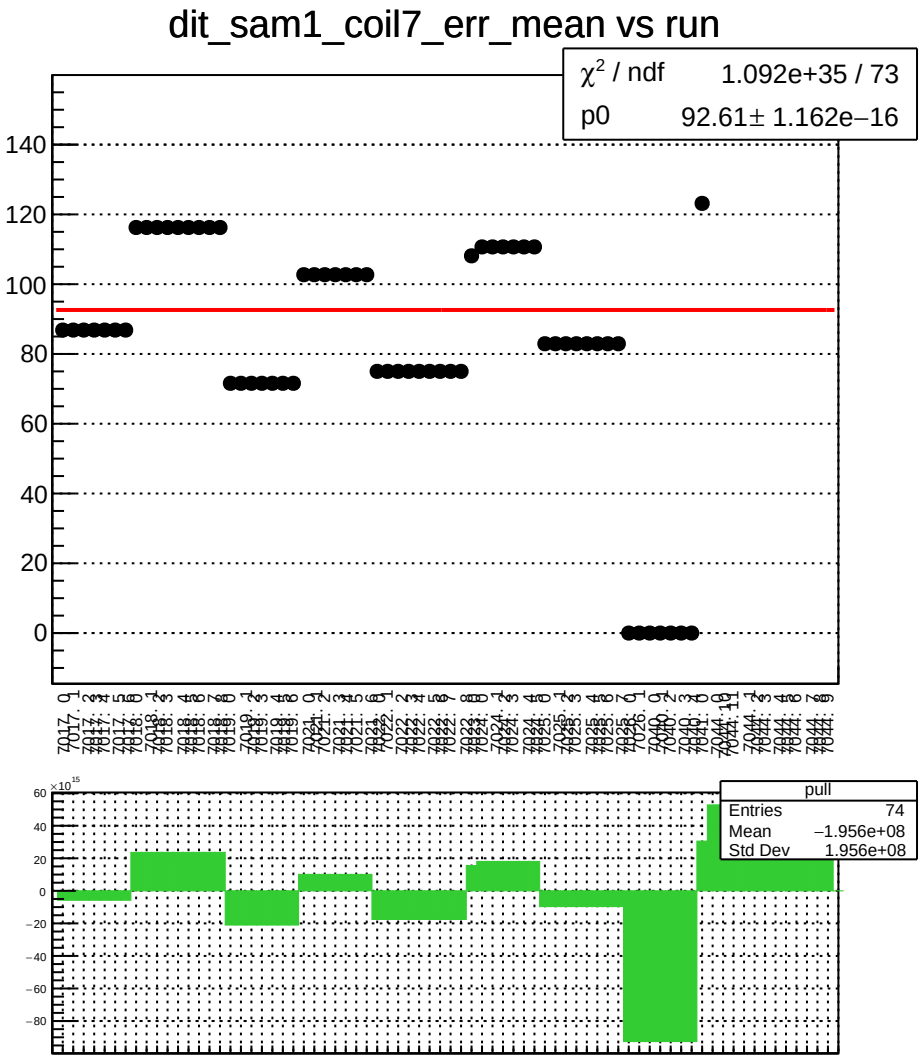
dit_atr2_coil7_Ndata_mean vs run

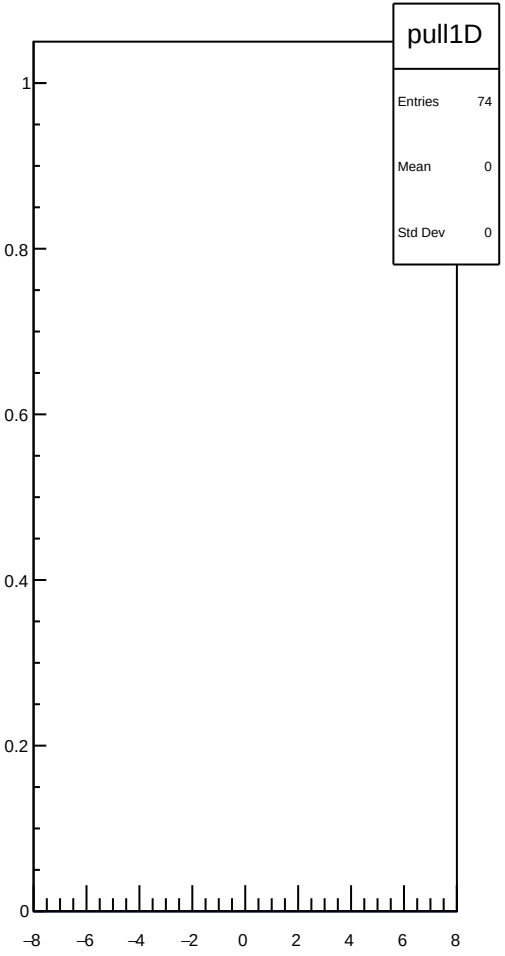


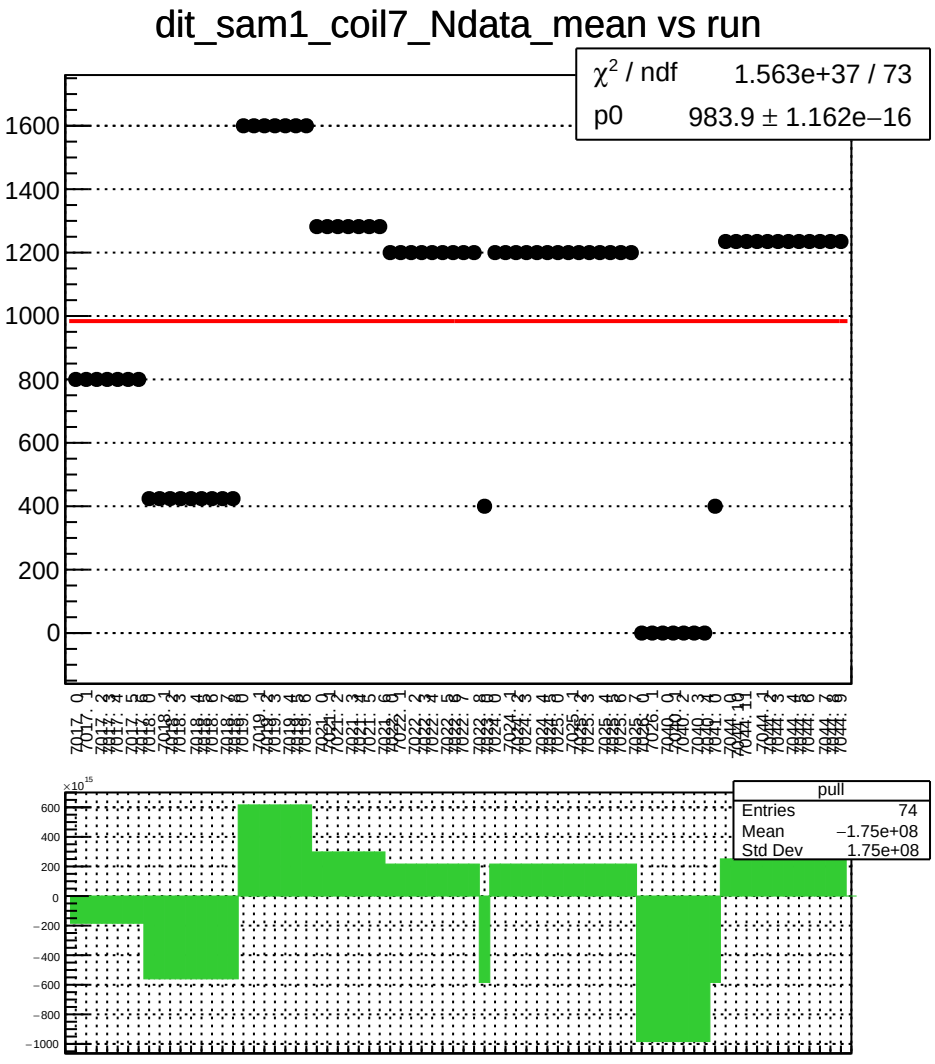


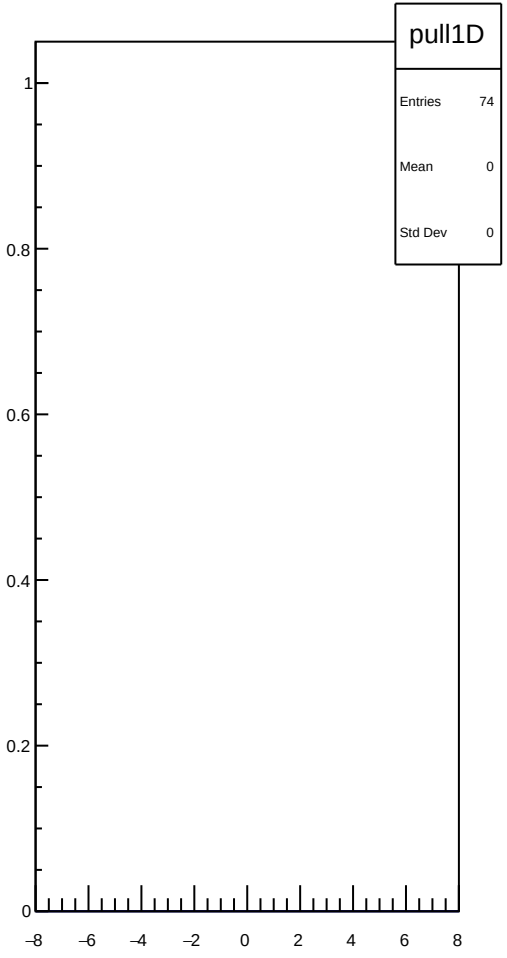

dit_sam1_coil7_mean vs run
χ² / ndf 1.95e+35 / 73
p0 47.03 ± 1.162e−16
pull
Entries 74
Mean −2.844e+09
Std Dev 2.844e+09

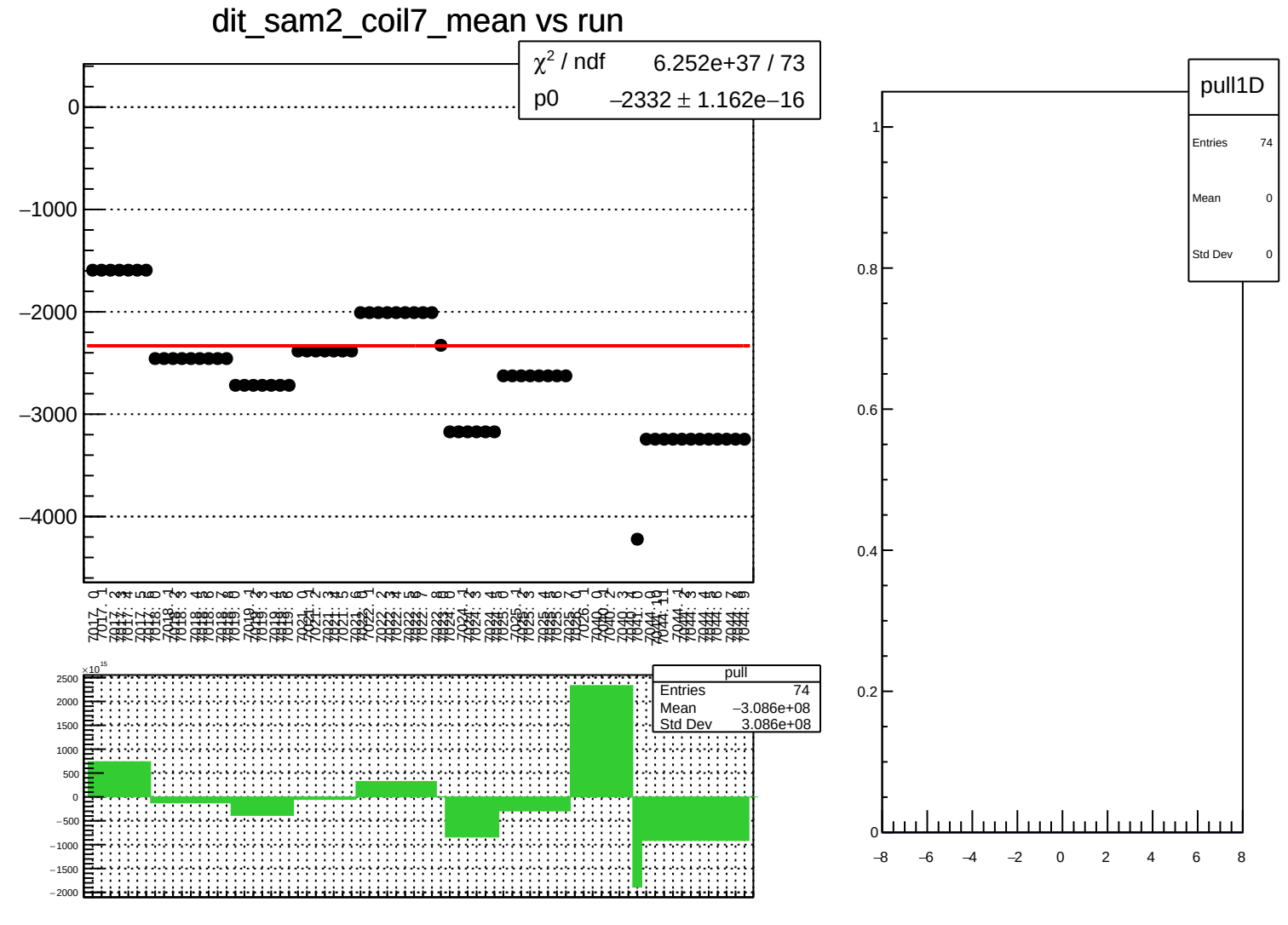

pull1D
Entries 74
Mean 0
Std Dev 0

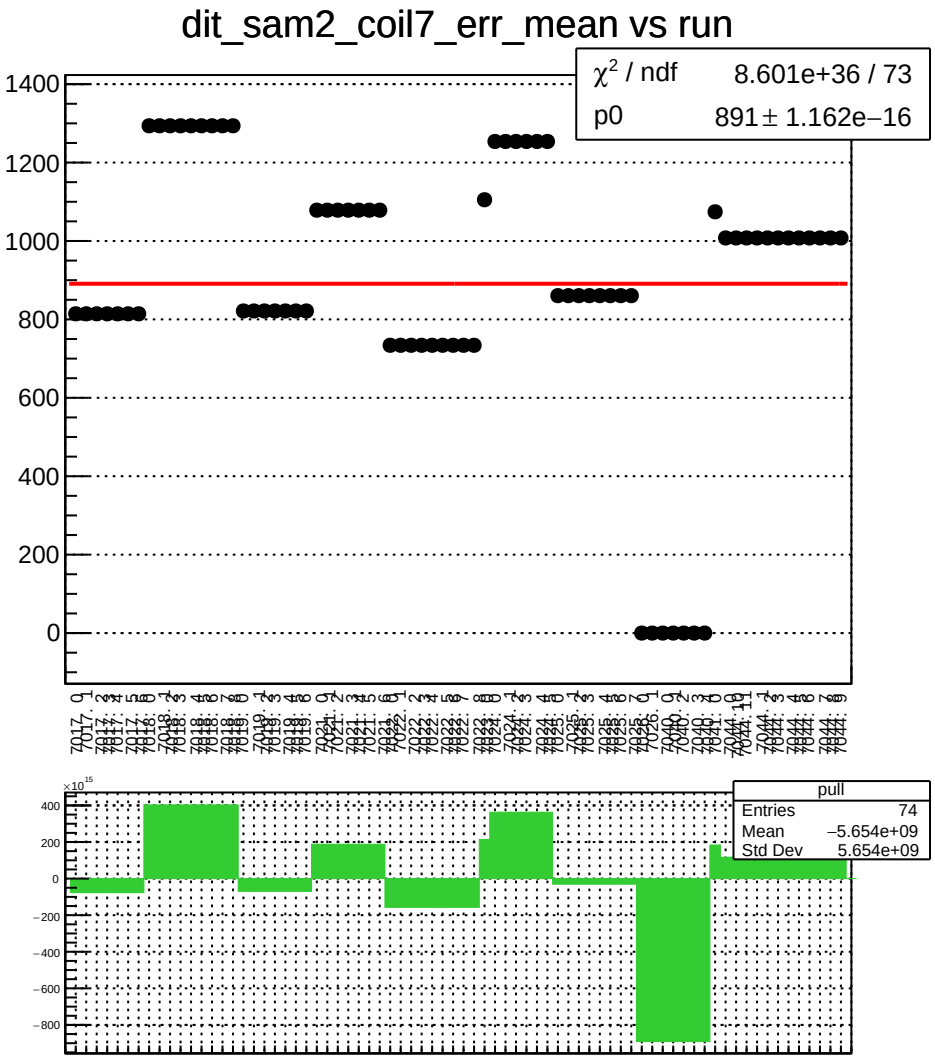

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.092e+35 / 73
p0 92.61± 1.162e−16
pull
Entries 74
Mean −1.956e+08
Std Dev 1.956e+08

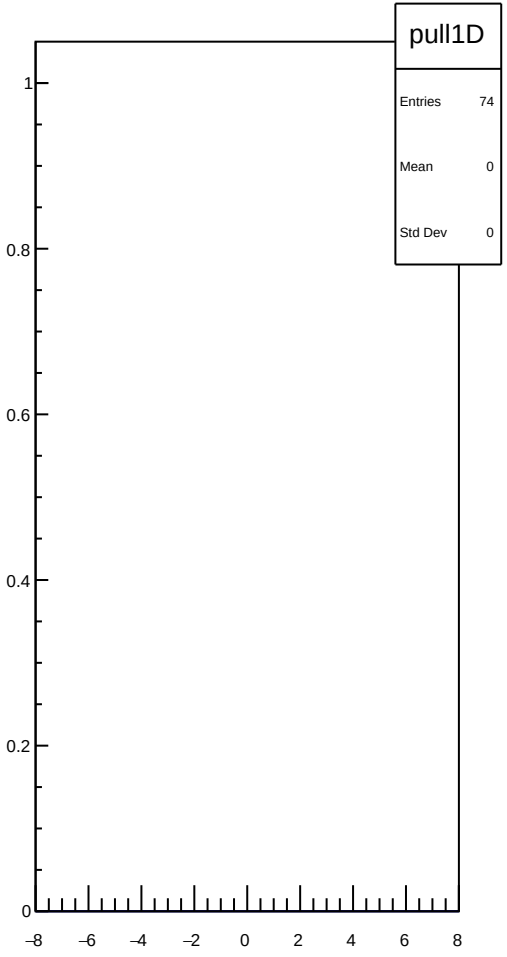

pull1D
Entries 74
Mean 0
Std Dev 0

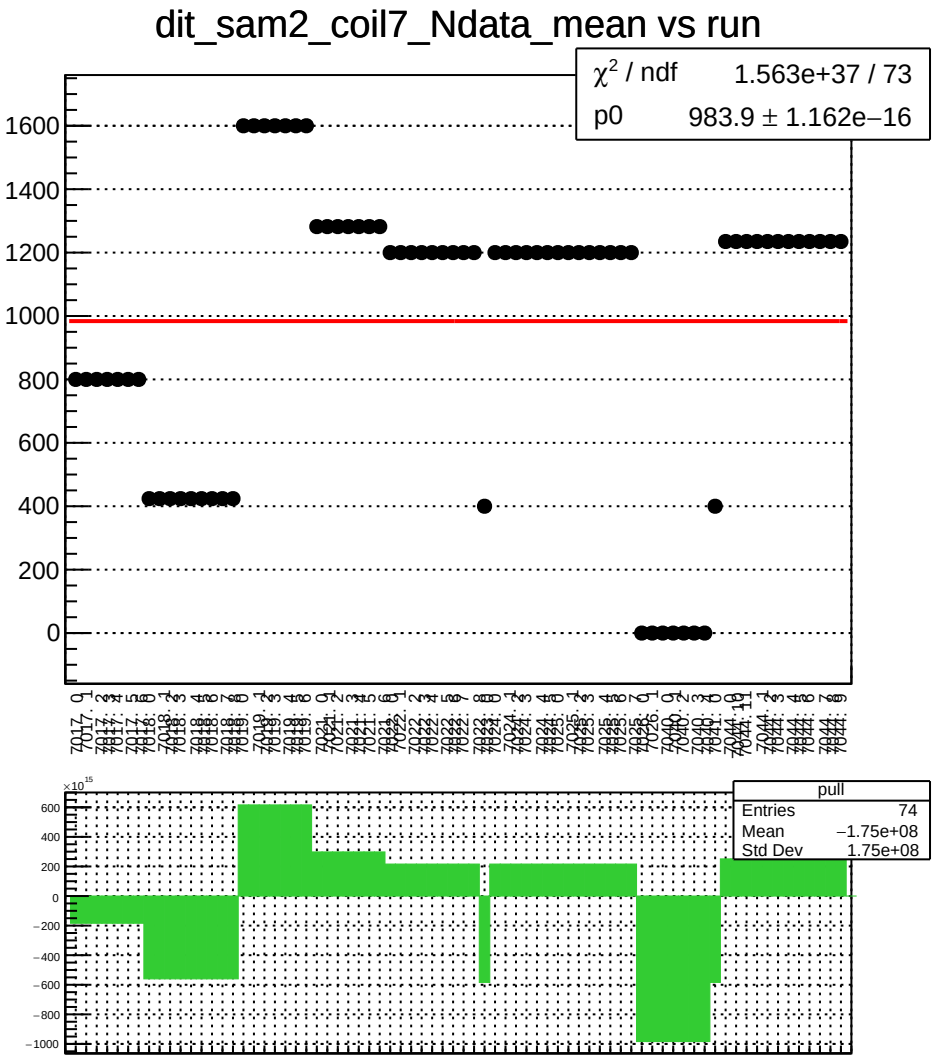

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08

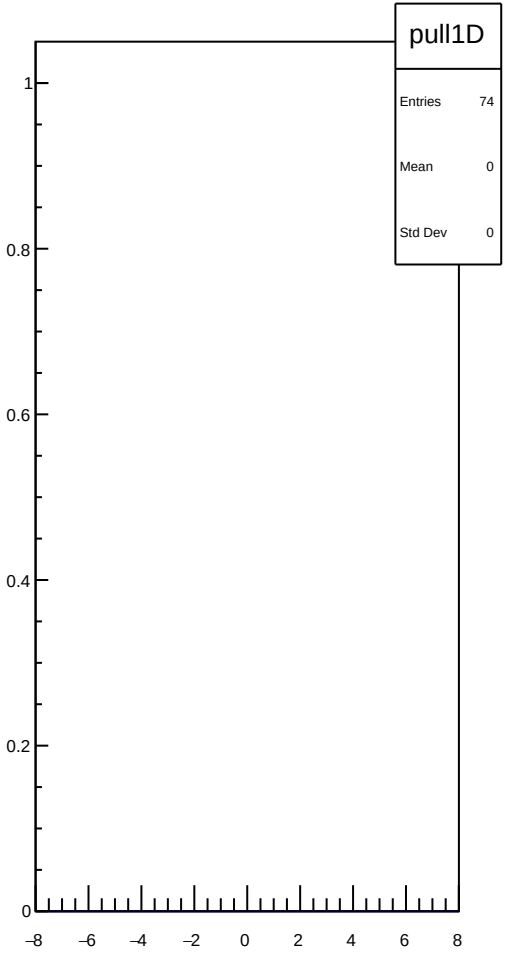

pull1D
Entries 74
Mean 0
Std Dev 0

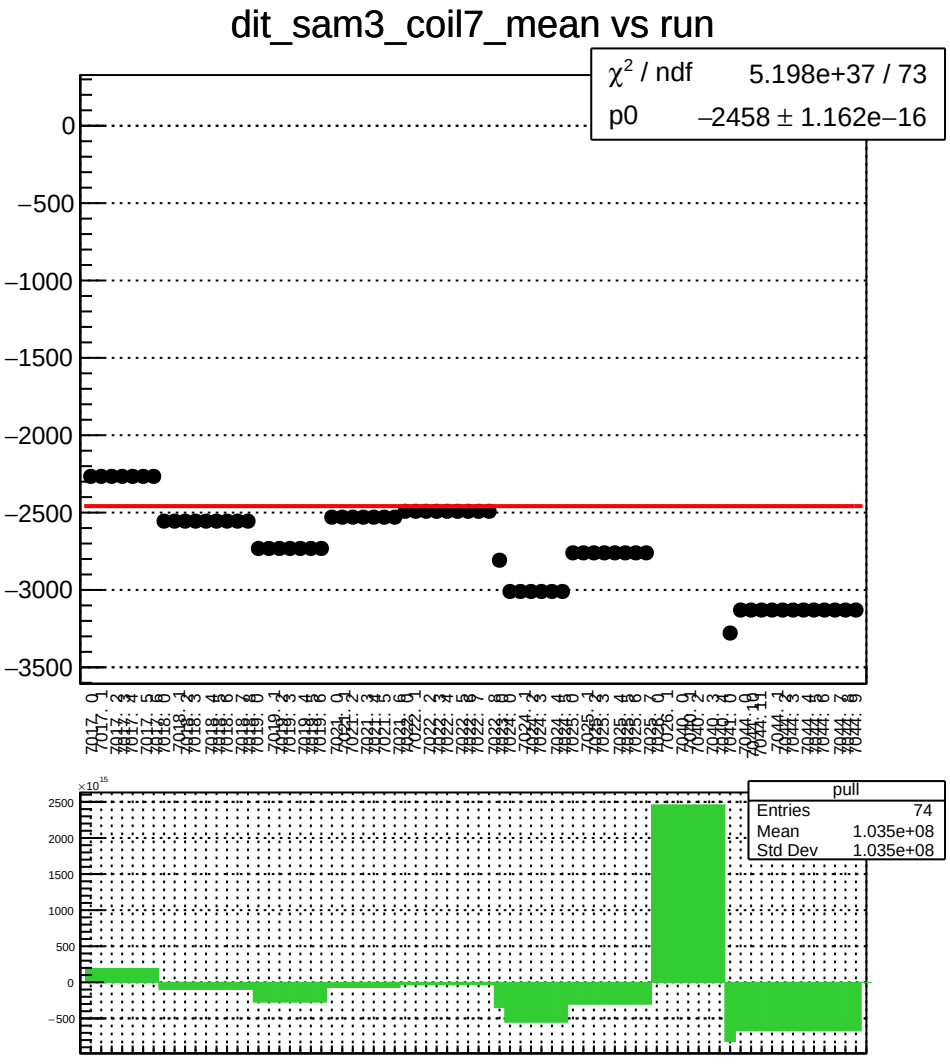

dit_sam2_coil7_mean vs run
χ² / ndf 6.252e+37 / 73
p0 −2332 ± 1.162e−16
0
−1000
−2000
−3000
−4000
pull
Entries 74
Mean −3.086e+08
Std Dev 3.086e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

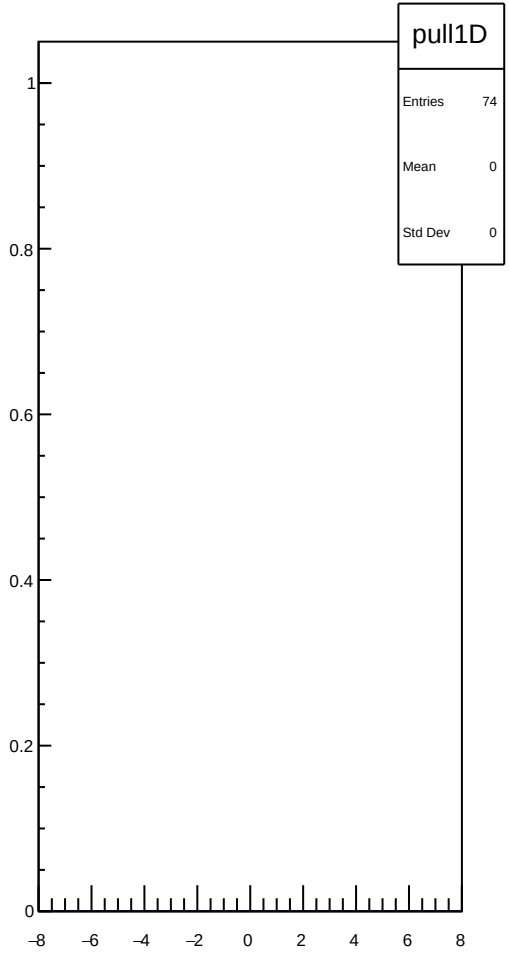

dit_sam2_coil7_err_mean vs run
χ² / ndf 8.601e+36 / 73
p0 891 ± 1.162e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 74
Mean −5.654e+09
Std Dev 5.654e+09
×10¹⁵
400
200
0
−200
−400
−600
−800

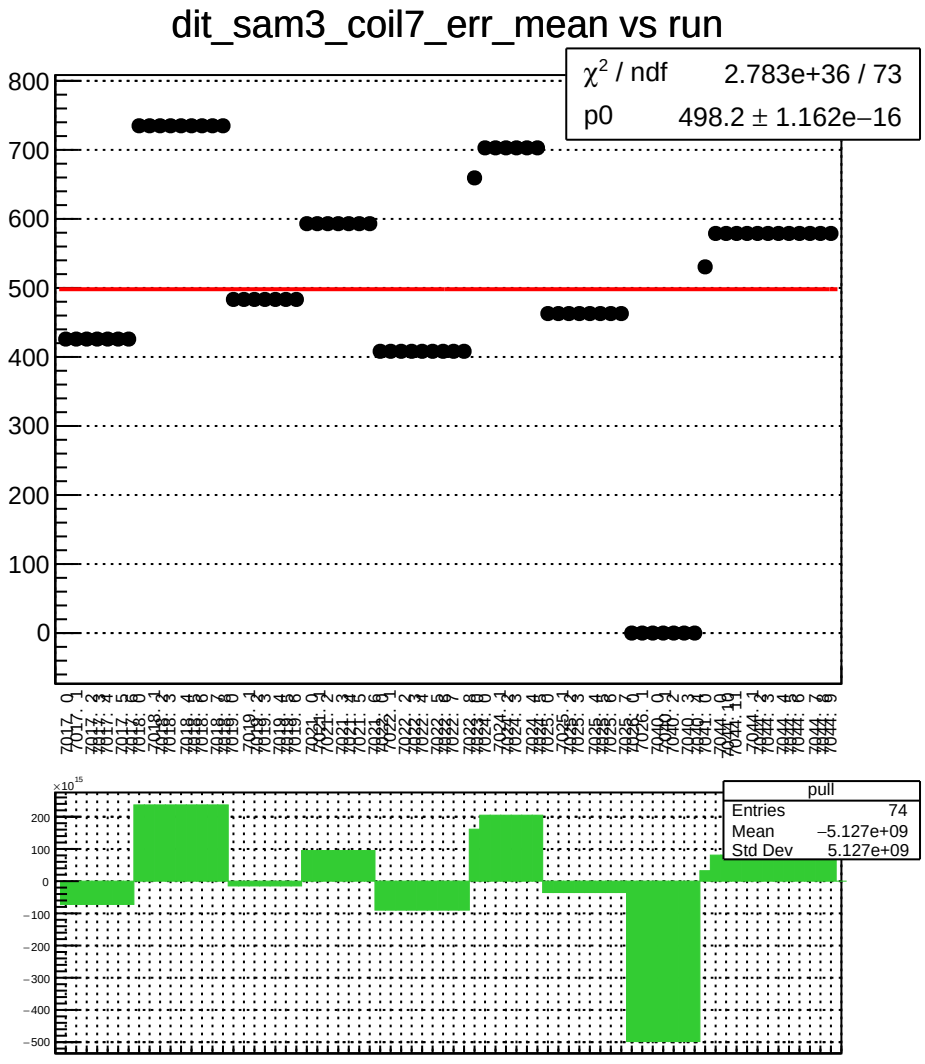

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

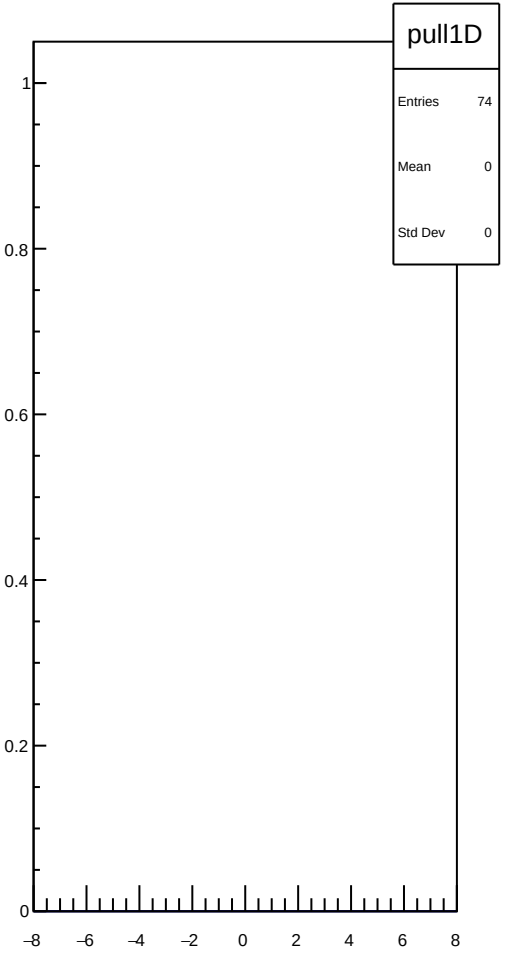

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08

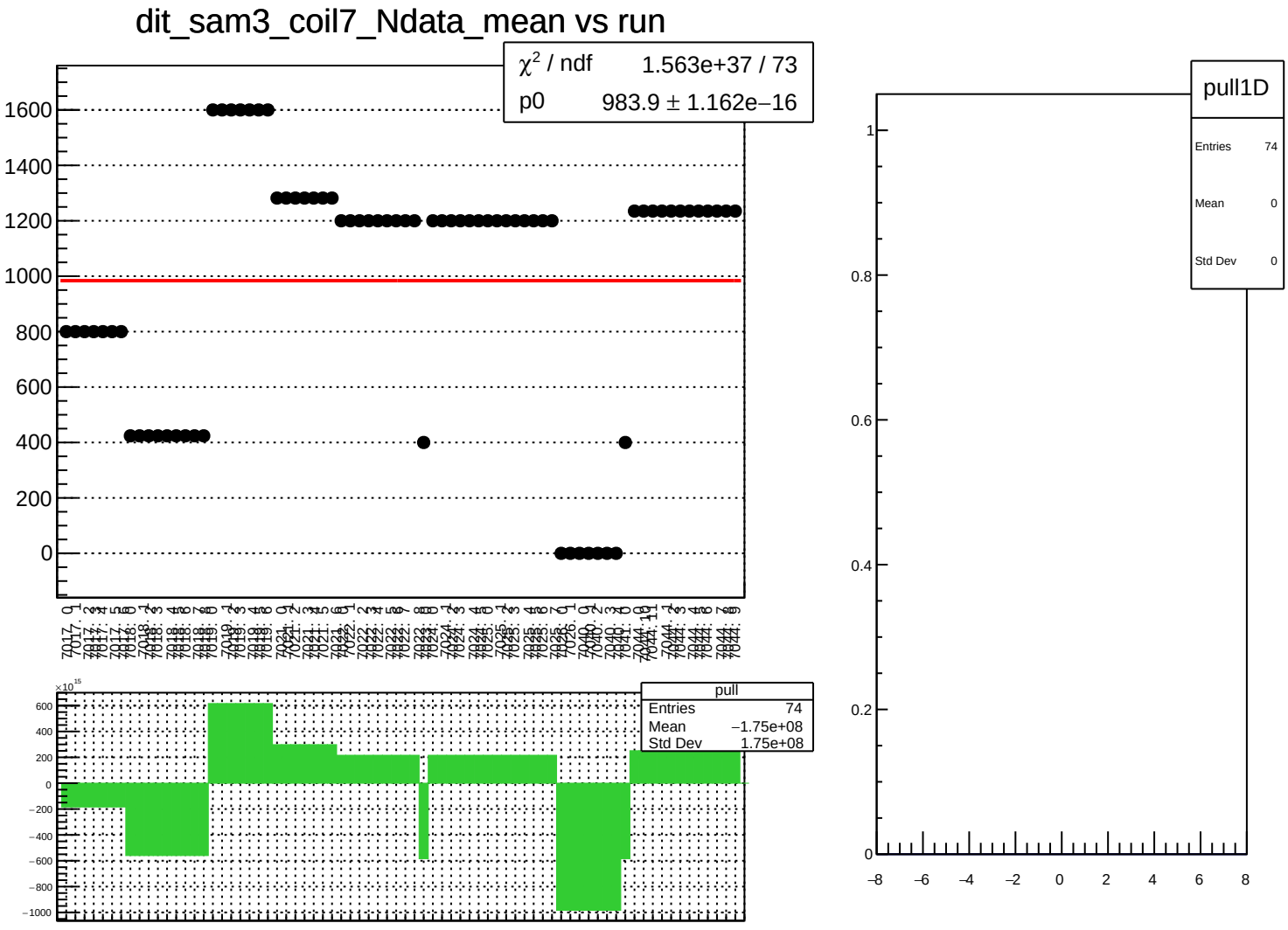

pull1D
Entries 74
Mean 0
Std Dev 0

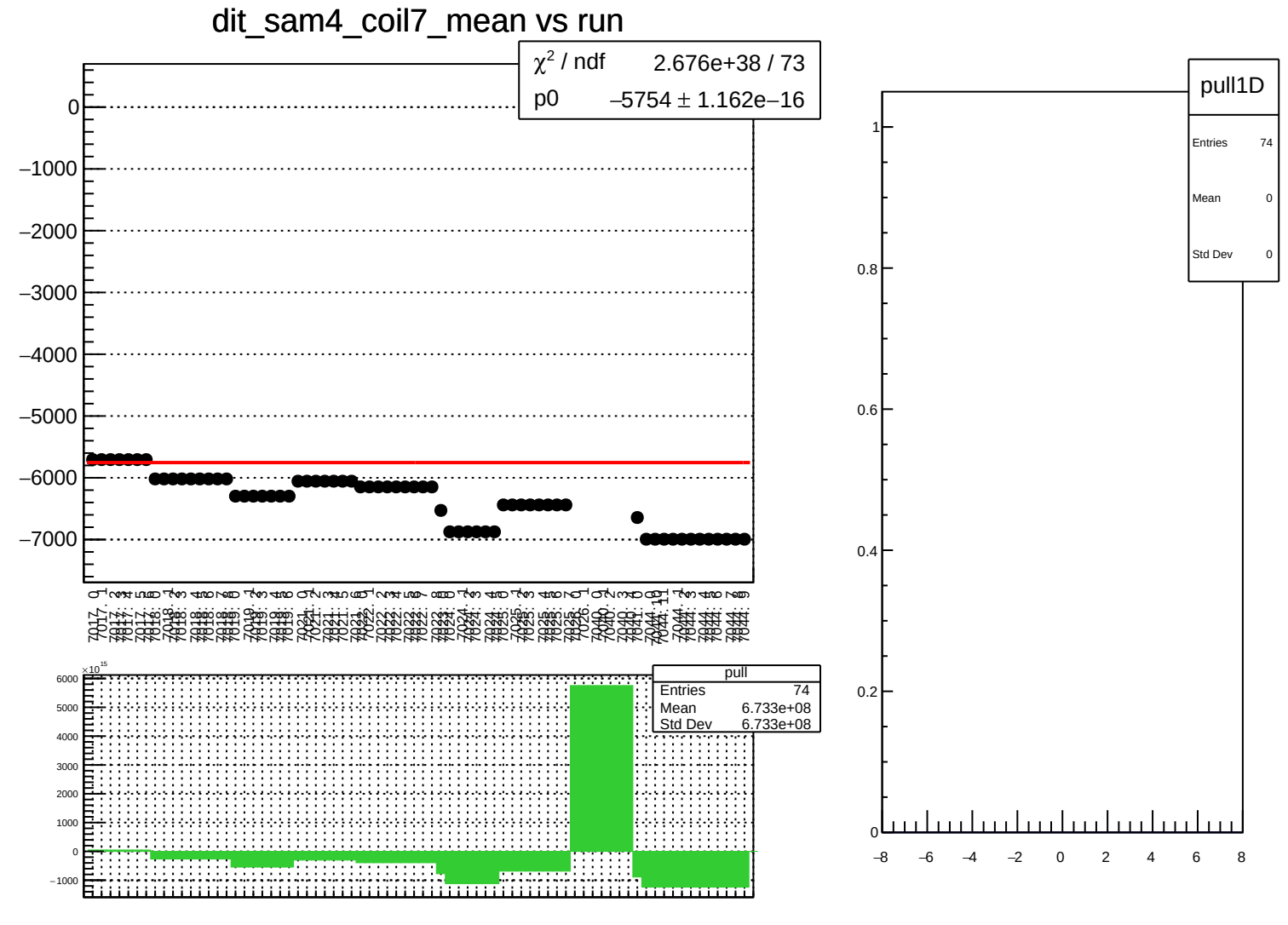

dit_sam3_coil7_mean vs run
χ^2 / ndf 5.198e+37 / 73
p0 −2458 ± 1.162e−16
pull
Entries 74
Mean 1.035e+08
Std Dev 1.035e+08

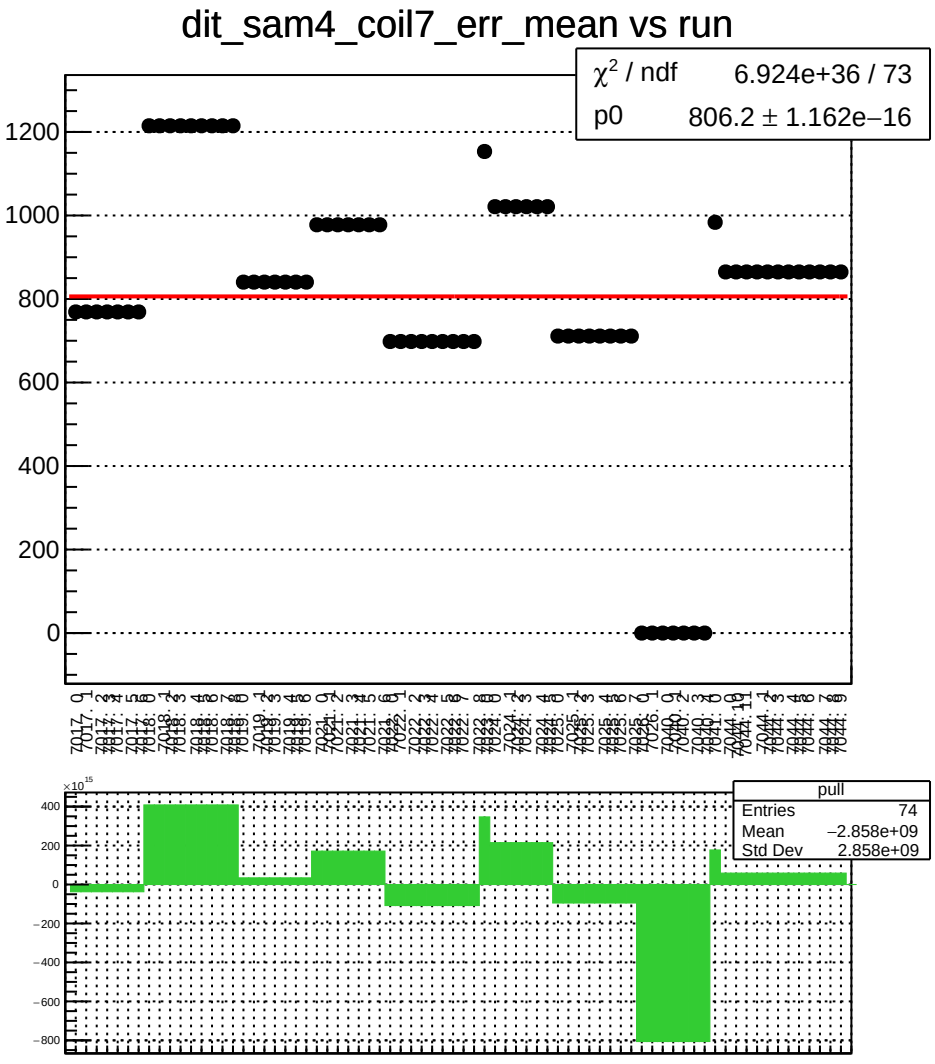

pull1D
Entries 74
Mean 0
Std Dev 0

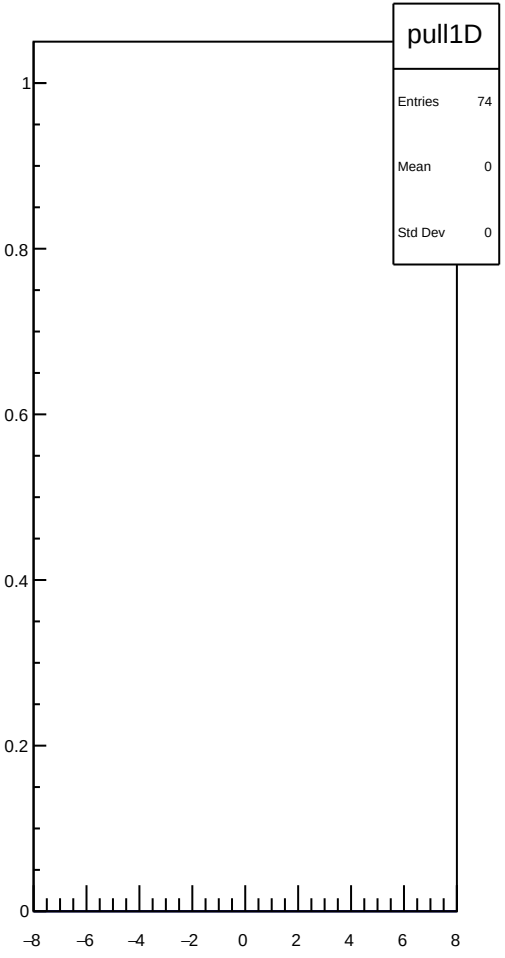

dit_sam3_coil7_err_mean vs run
χ^2 / ndf 2.783e+36 / 73
p0 498.2 ± 1.162e−16
pull
Entries 74
Mean −5.127e+09
Std Dev 5.127e+09


pull1D
Entries 74
Mean 0
Std Dev 0

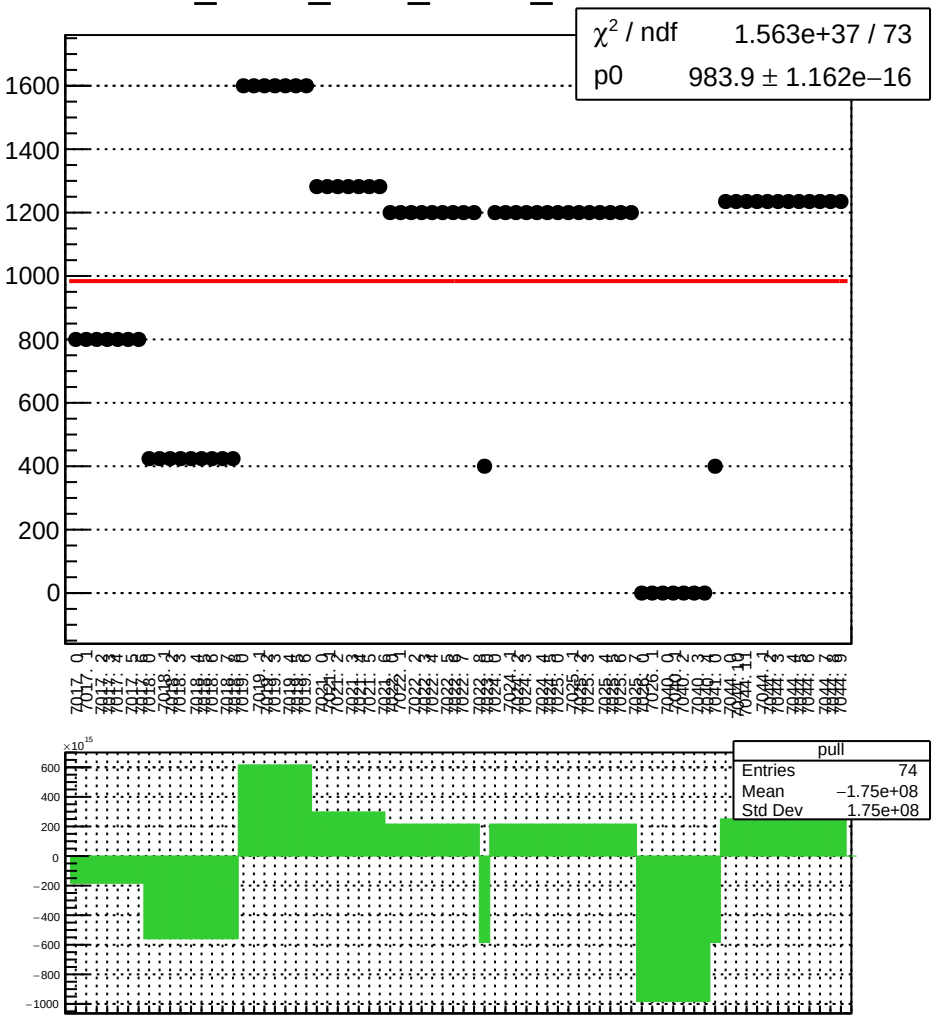

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08
pull1D
Entries 74
Mean 0
Std Dev 0

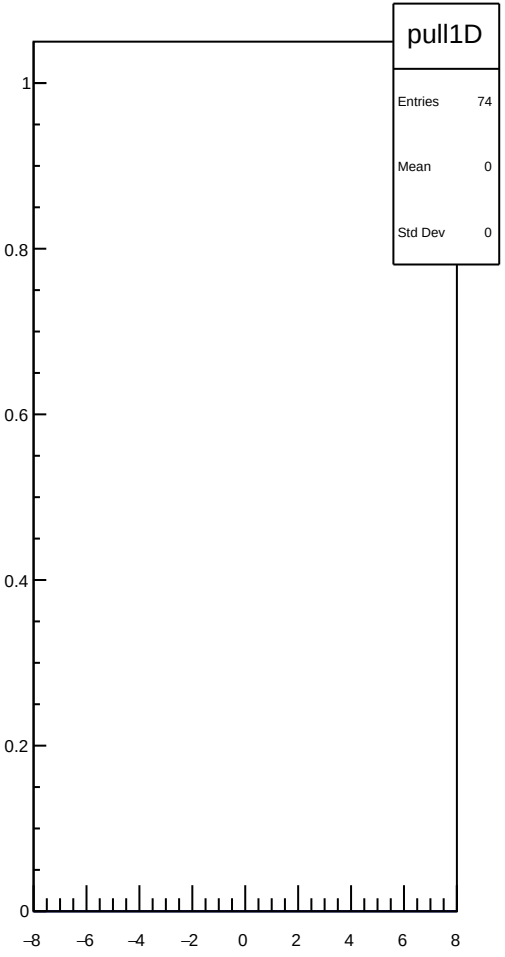

dit_sam4_coil7_mean vs run
χ² / ndf 2.676e+38 / 73
p0 –5754 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 74
Mean 6.733e+08
Std Dev 6.733e+08
×10¹⁵
6000
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

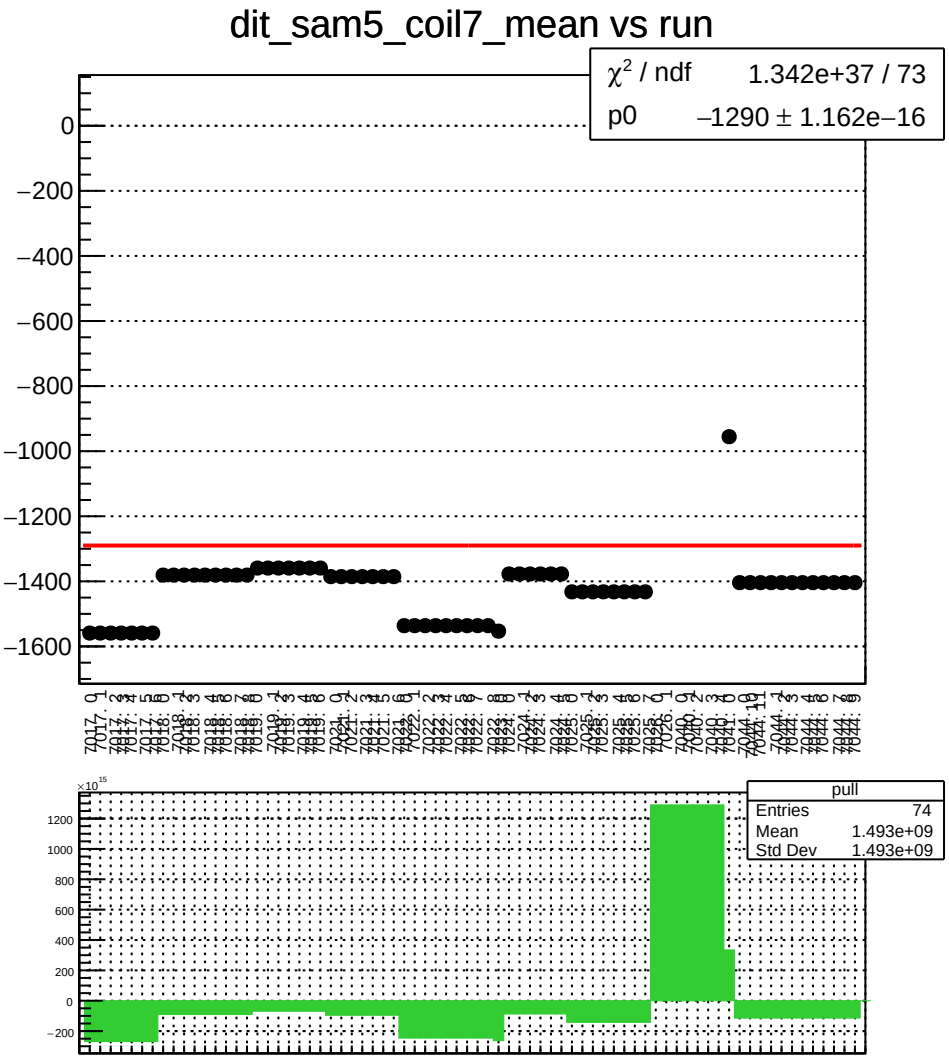

dit_sam4_coil7_err_mean vs run
χ² / ndf 6.924e+36 / 73
p0 806.2 ± 1.162e−16
pull
Entries 74
Mean −2.858e+09
Std Dev 2.858e+09

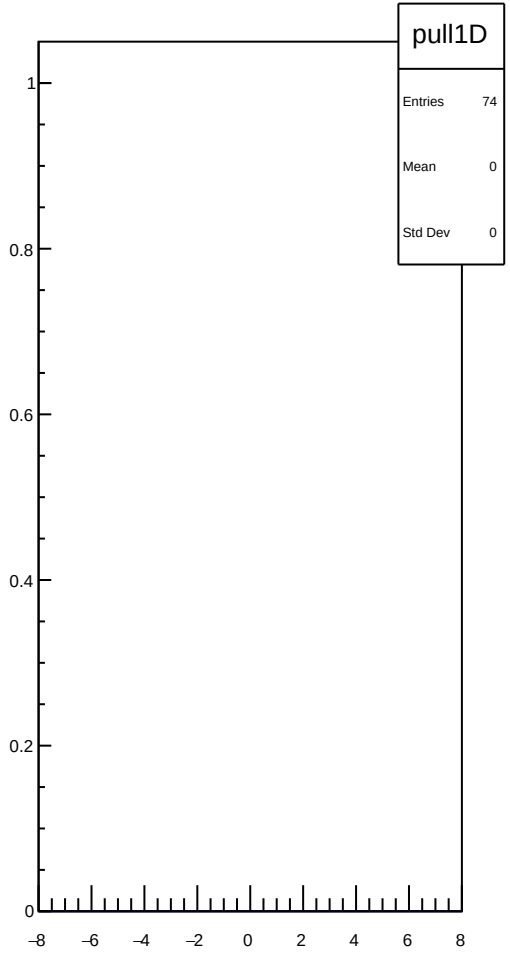

pull1D
Entries 74
Mean 0
Std Dev 0

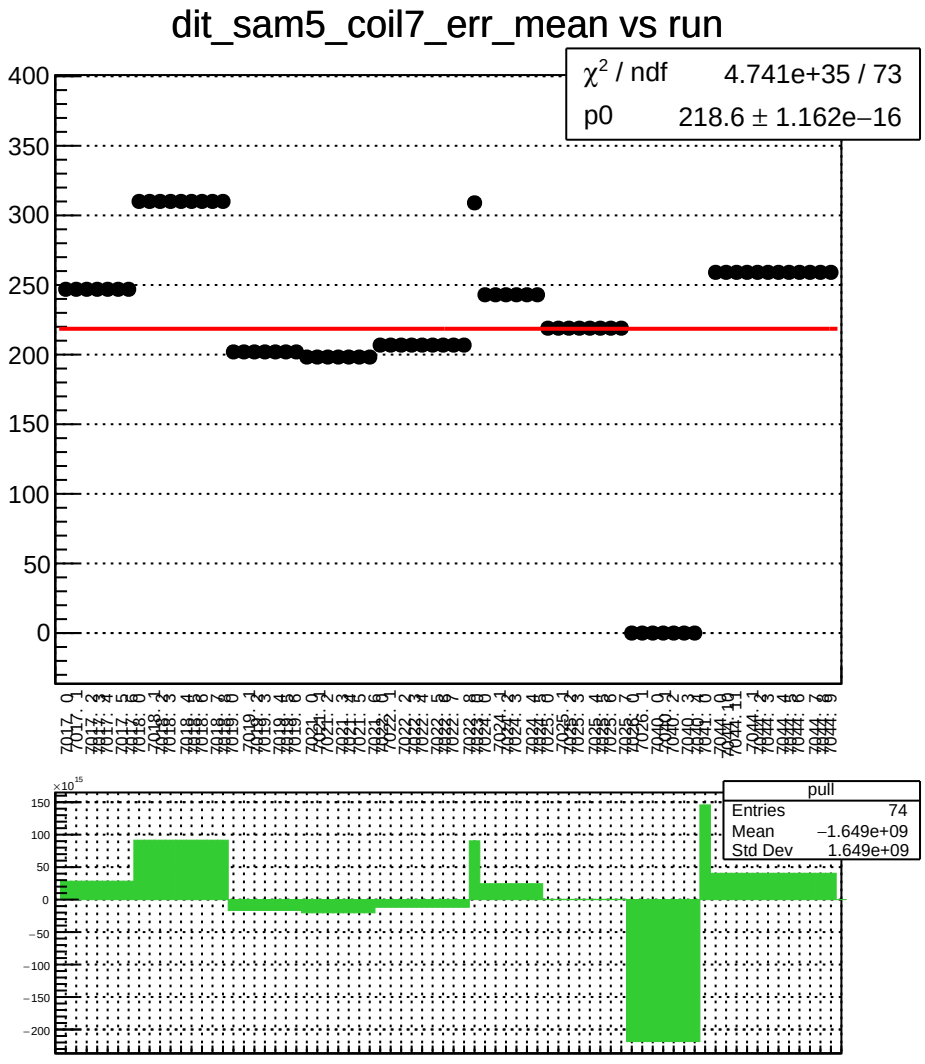
dit_sam4_coil7_Ndata_mean vs run

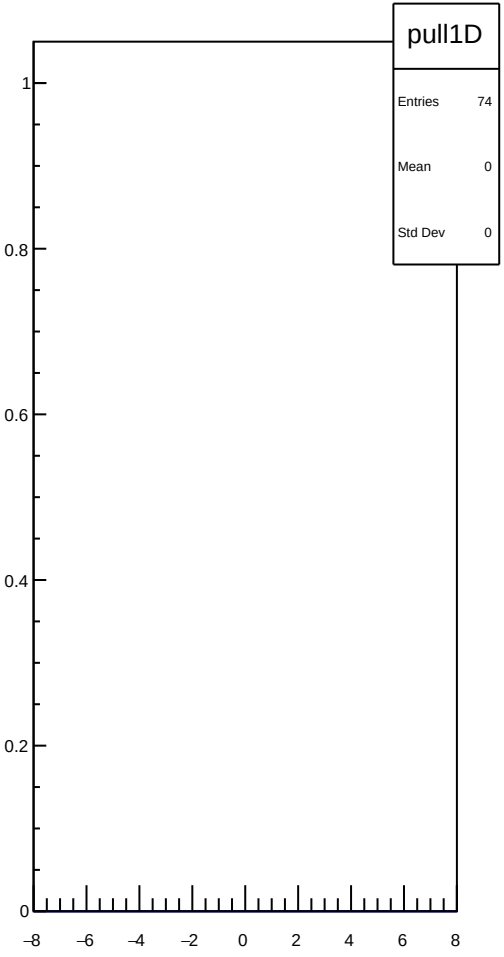


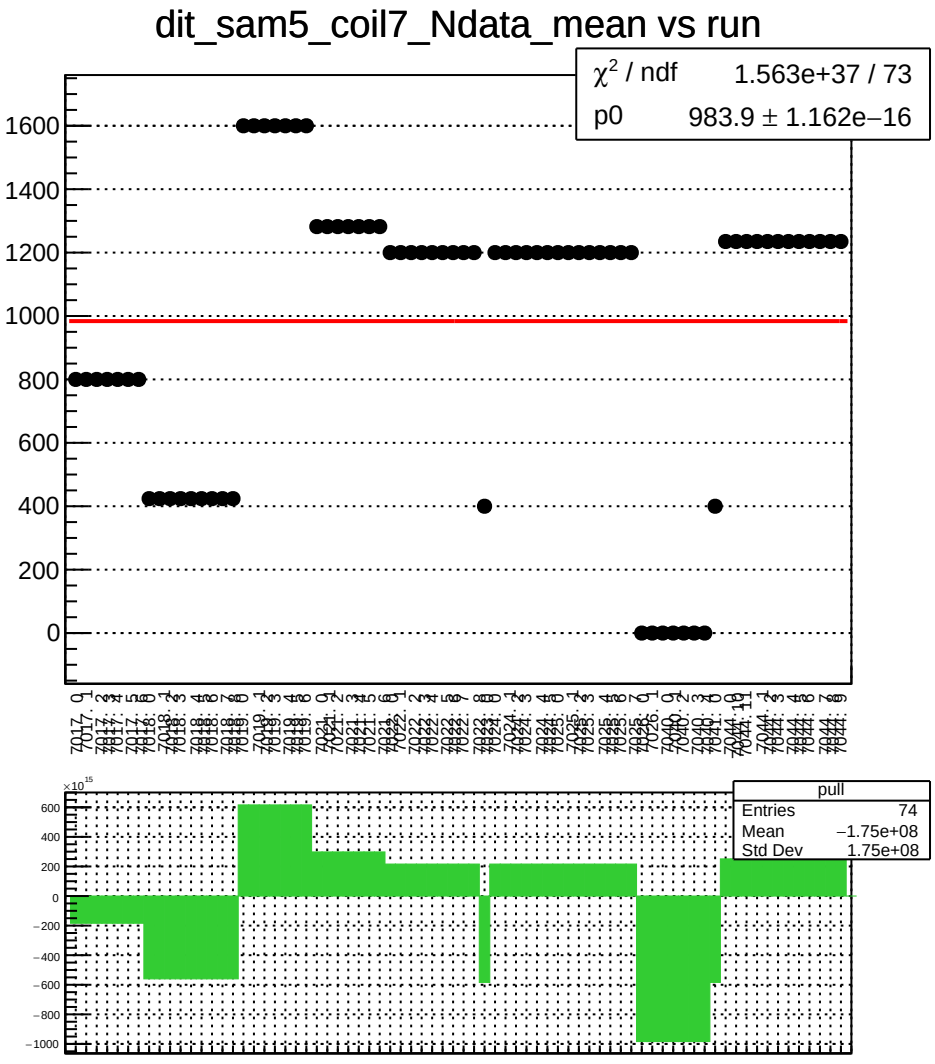


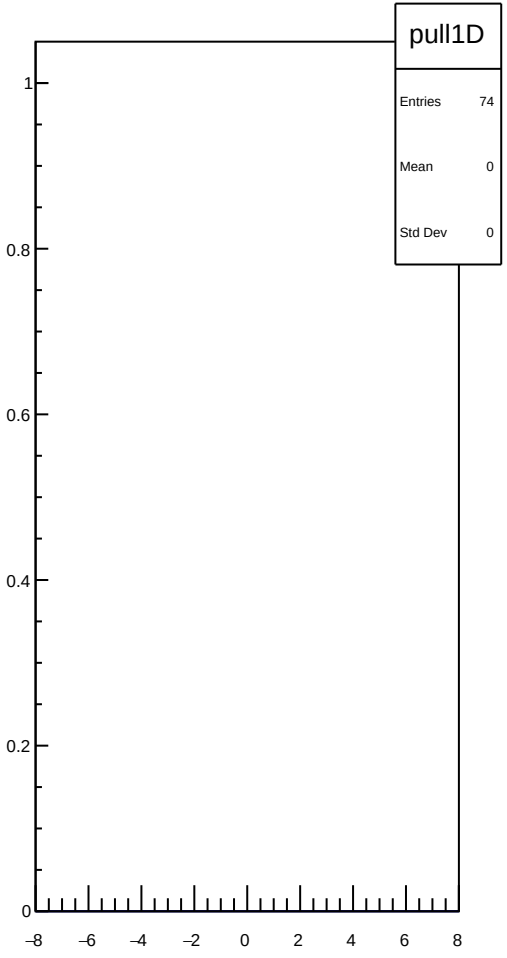

dit_sam5_coil7_mean vs run
χ^2 / ndf 1.342e+37 / 73
p0 –1290 ± 1.162e–16
pull
Entries 74
Mean 1.493e+09
Std Dev 1.493e+09

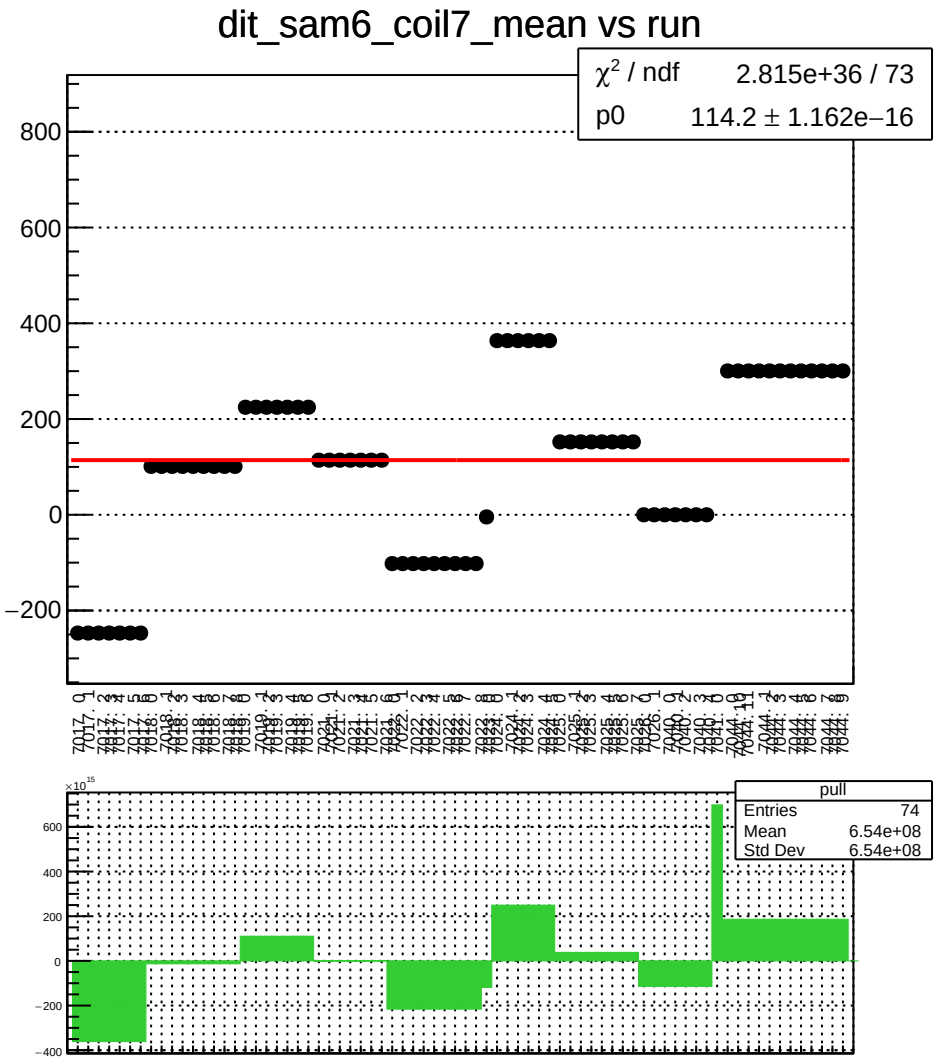

pull1D
Entries 74
Mean 0
Std Dev 0

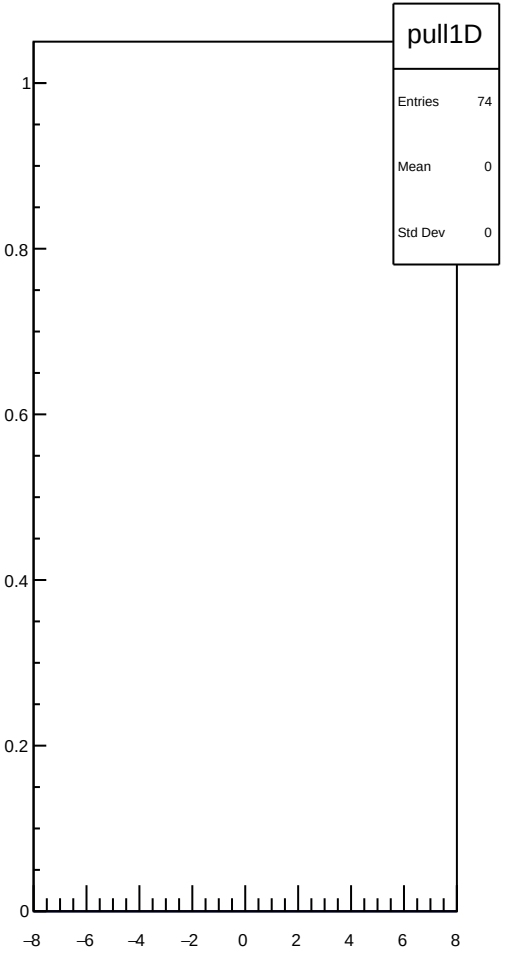

dit_sam5_coil7_err_mean vs run
χ² / ndf 4.741e+35 / 73
p0 218.6 ± 1.162e−16
pull
Entries 74
Mean −1.649e+09
Std Dev 1.649e+09

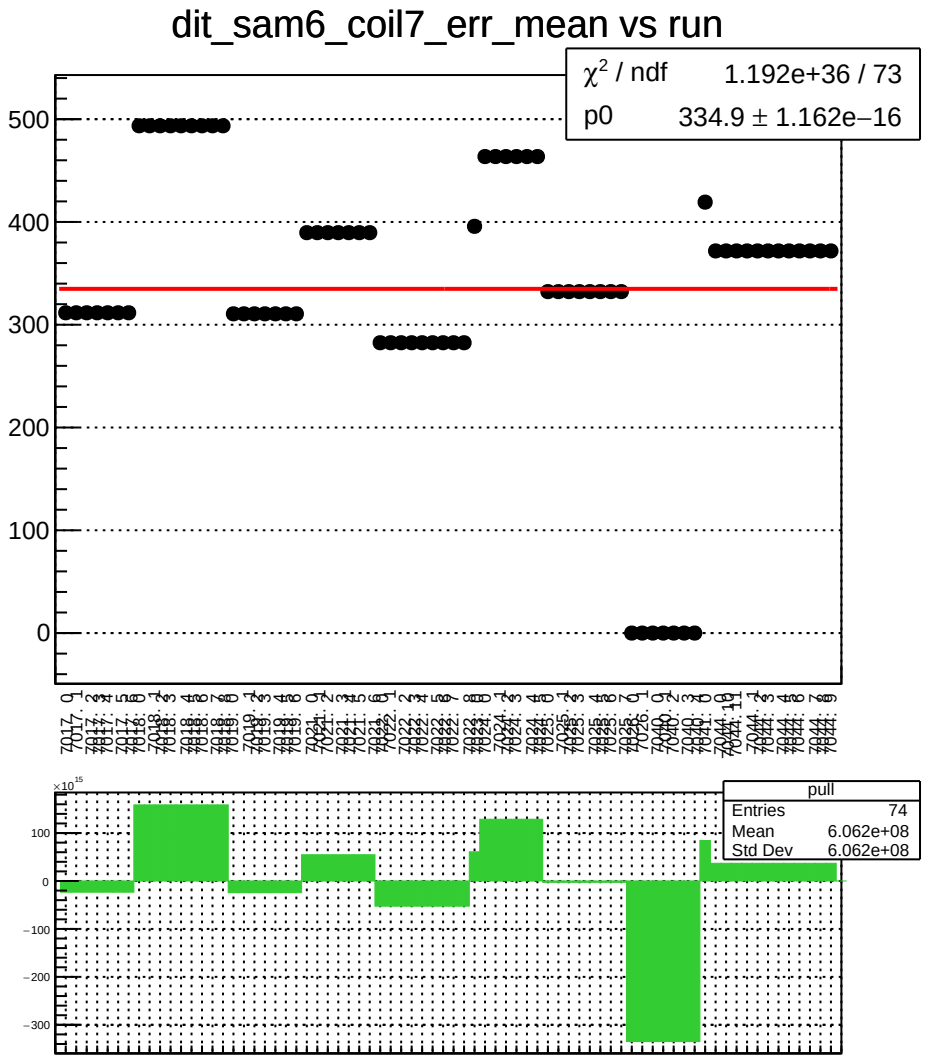

pull1D
Entries 74
Mean 0
Std Dev 0

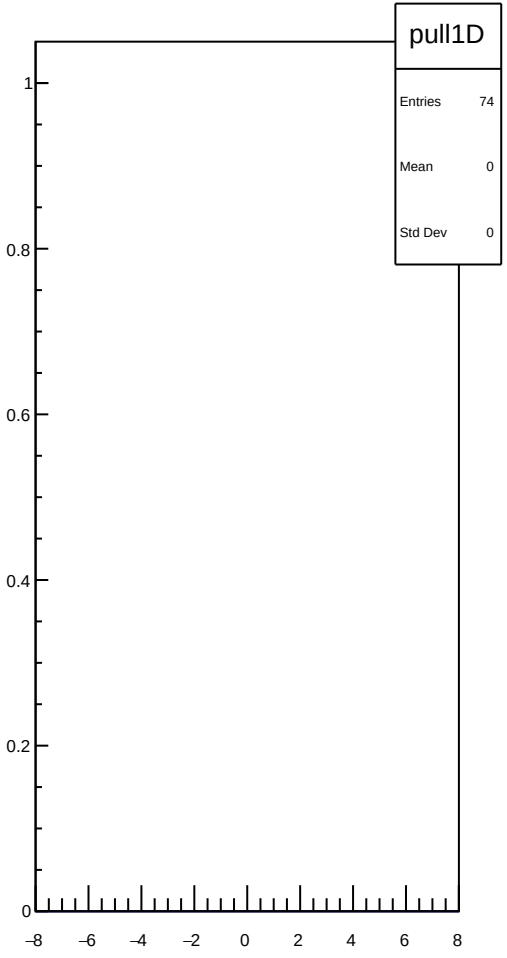

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

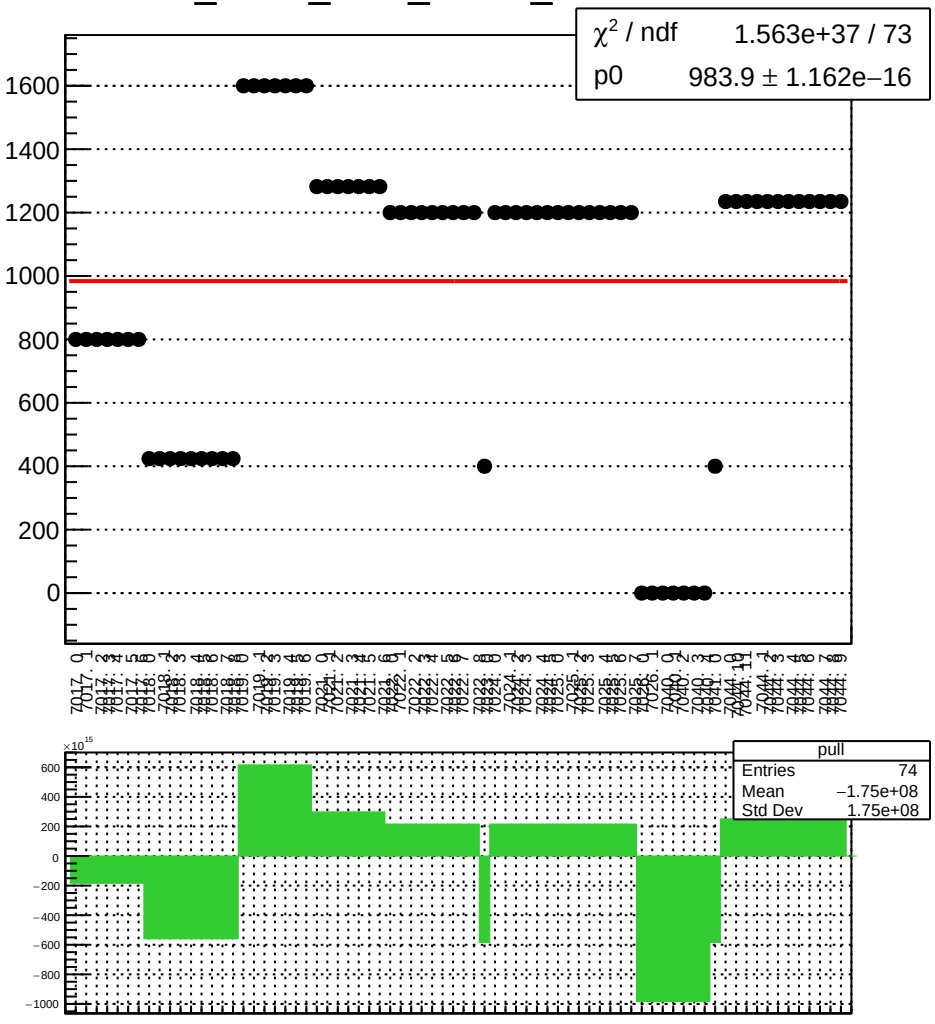

dit_sam6_coil7_mean vs run
χ² / ndf 2.815e+36 / 73
p0 114.2 ± 1.162e−16
800
600
400
200
0
−200
pull
Entries 74
Mean 6.54e+08
Std Dev 6.54e+08
×10¹⁵
600
400
200
0
−200
−400

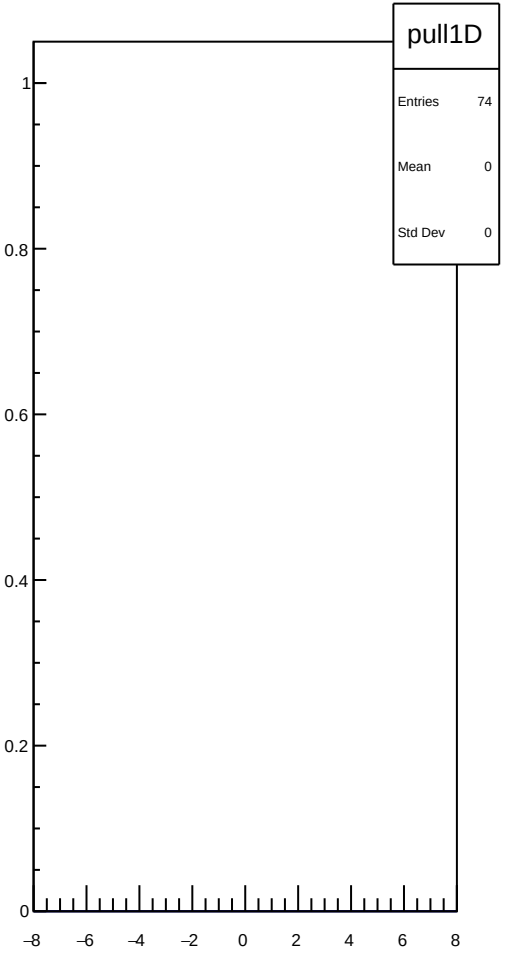

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

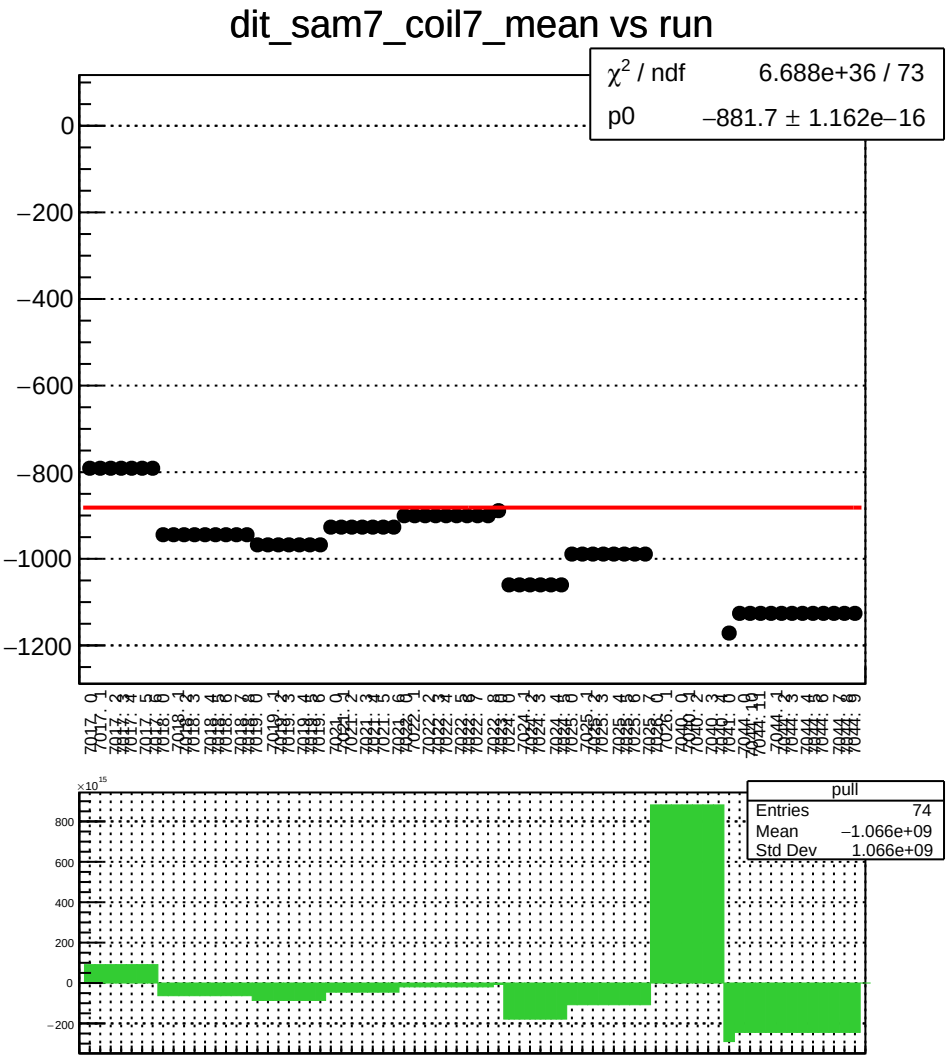

dit_sam6_coil7_err_mean vs run
χ² / ndf 1.192e+36 / 73
p0 334.9 ± 1.162e−16
500
400
300
200
100
0
pull
Entries 74
Mean 6.062e+08
Std Dev 6.062e+08
×10¹⁵
100
0
−100
−200
−300

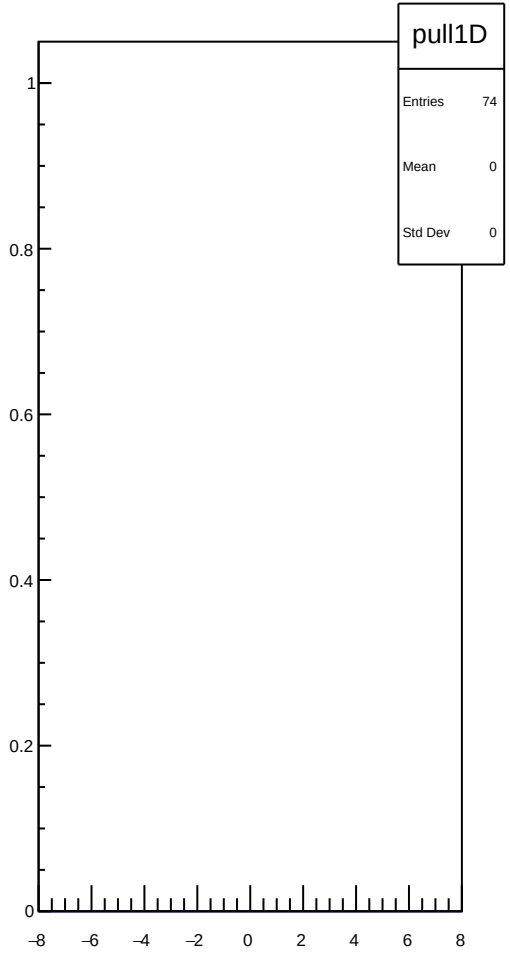

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

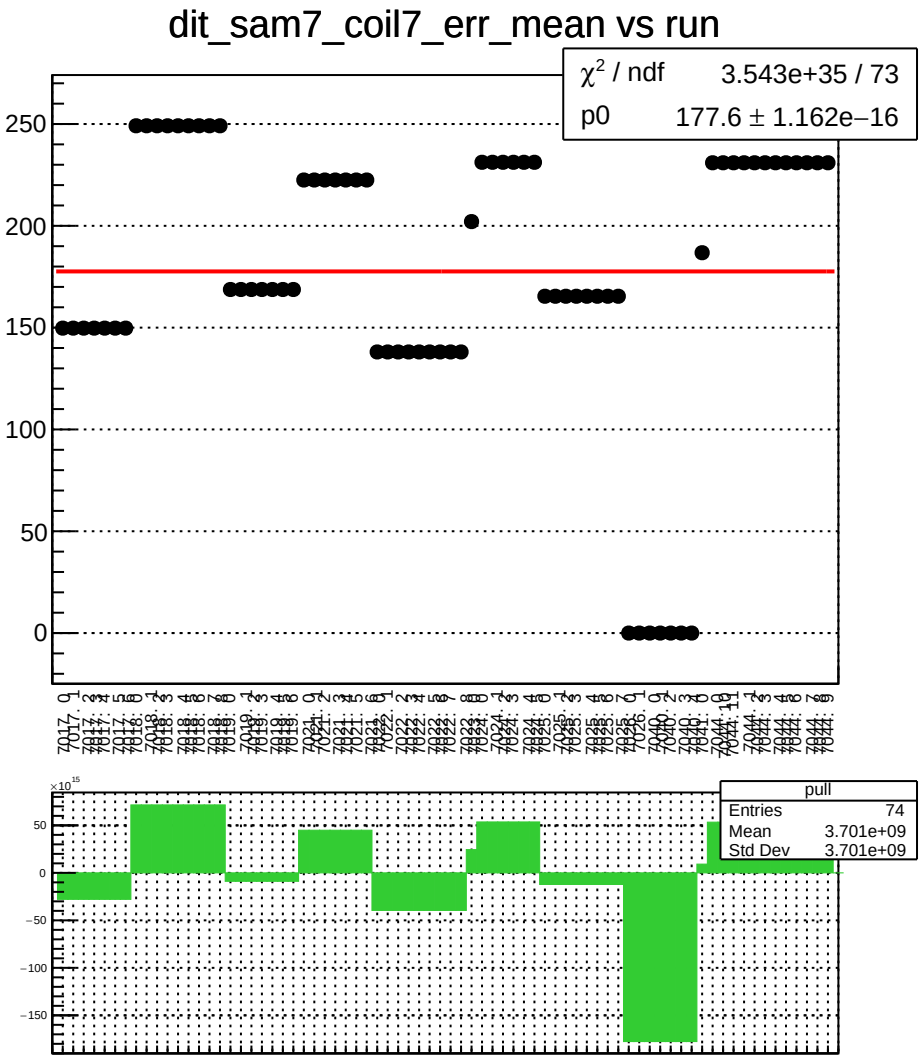
dit_sam6_coil7_Ndata_mean vs run

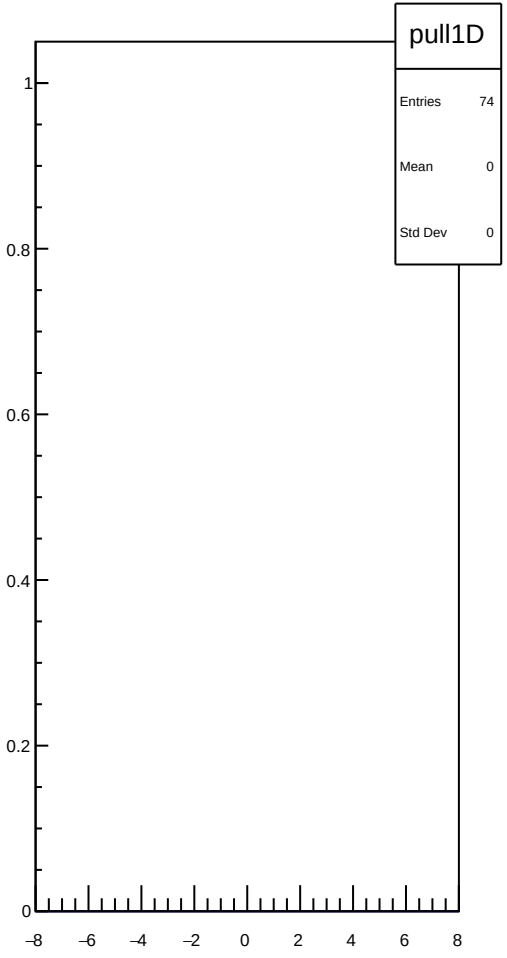


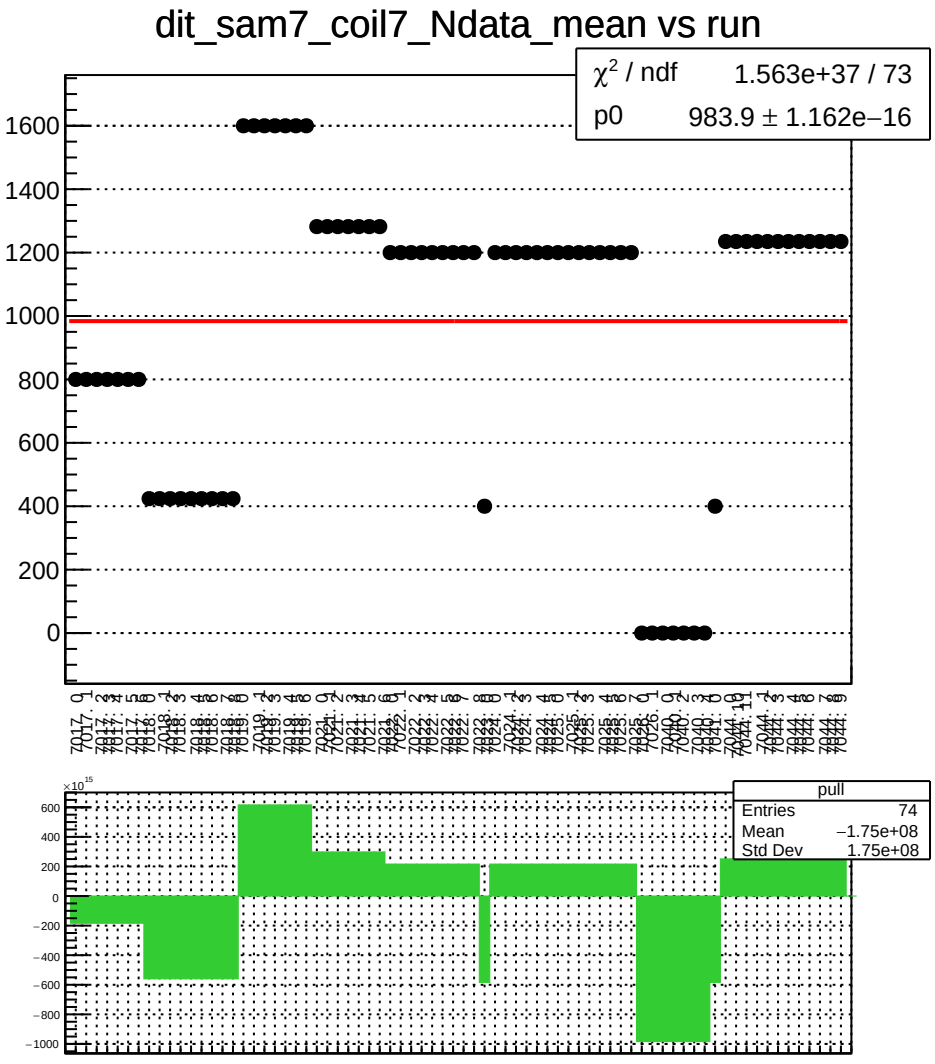


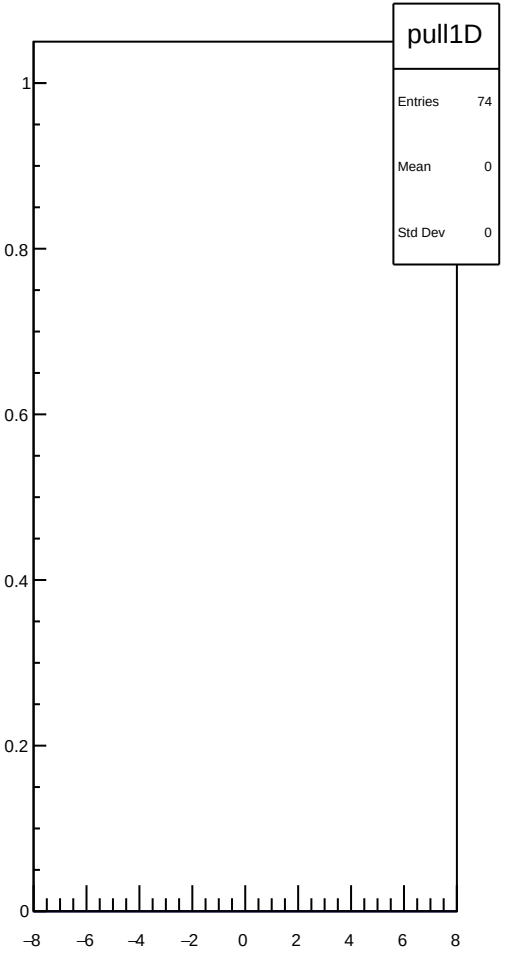

dit_sam7_coil7_mean vs run
χ^2 / ndf 6.688e+36 / 73
p0 −881.7 ± 1.162e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 74
Mean −1.066e+09
Std Dev 1.066e+09
800
600
400
200
0
−200


pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

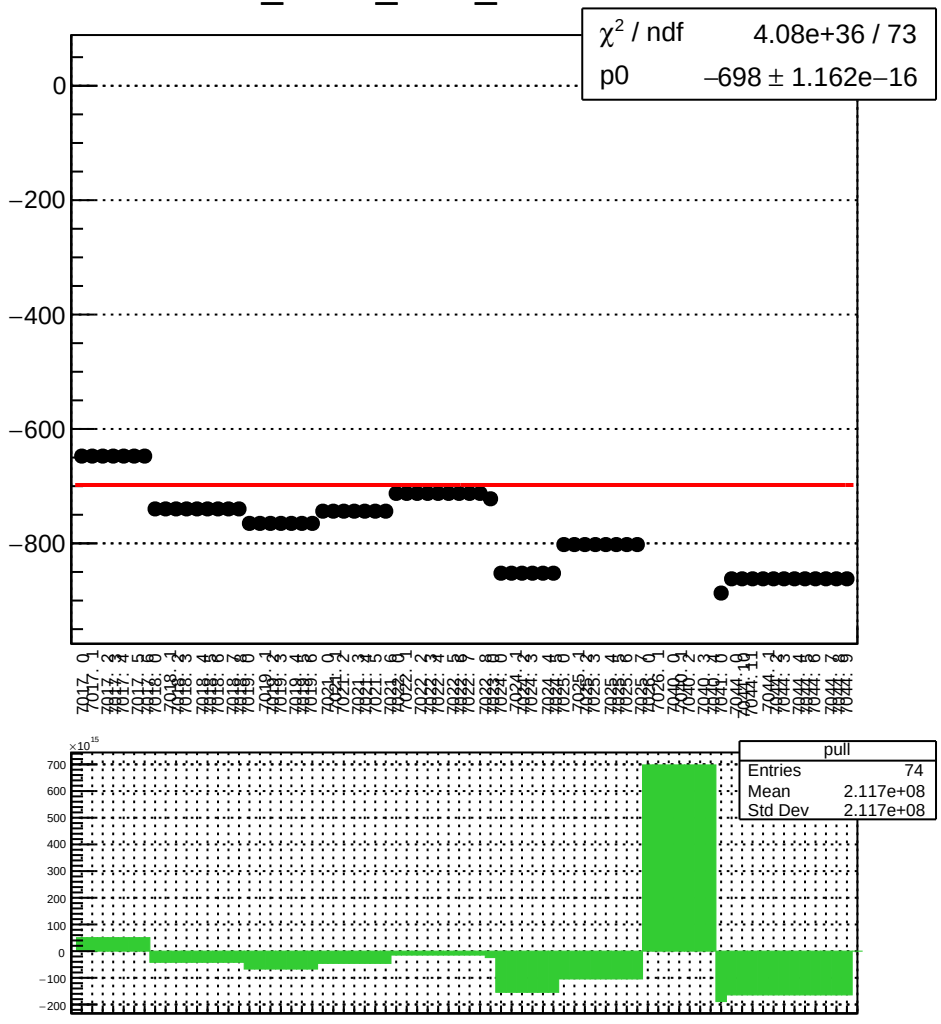

dit_sam7_coil7_err_mean vs run
χ² / ndf 3.543e+35 / 73
p0 177.6 ± 1.162e−16
250
200
150
100
50
0
pull
Entries 74
Mean 3.701e+09
Std Dev 3.701e+09
×10¹⁵
50
0
−50
−100
−150

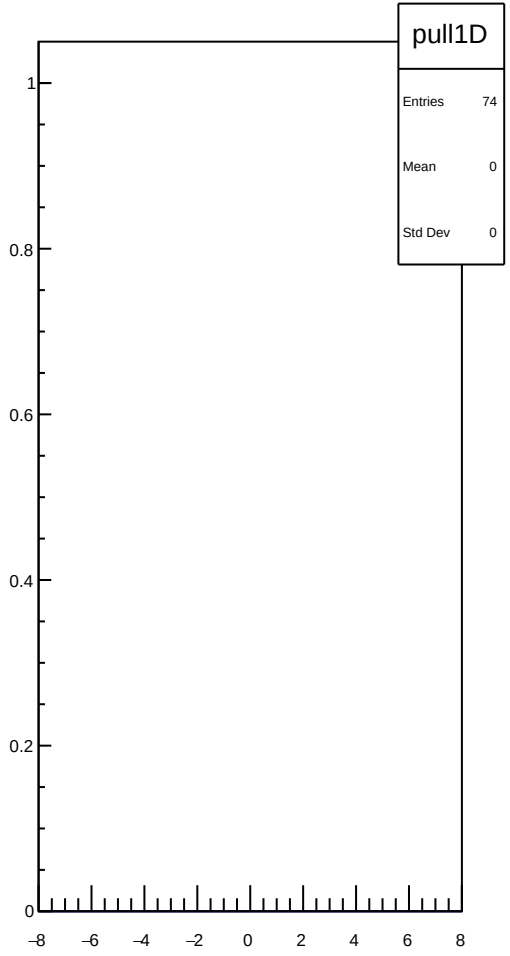

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

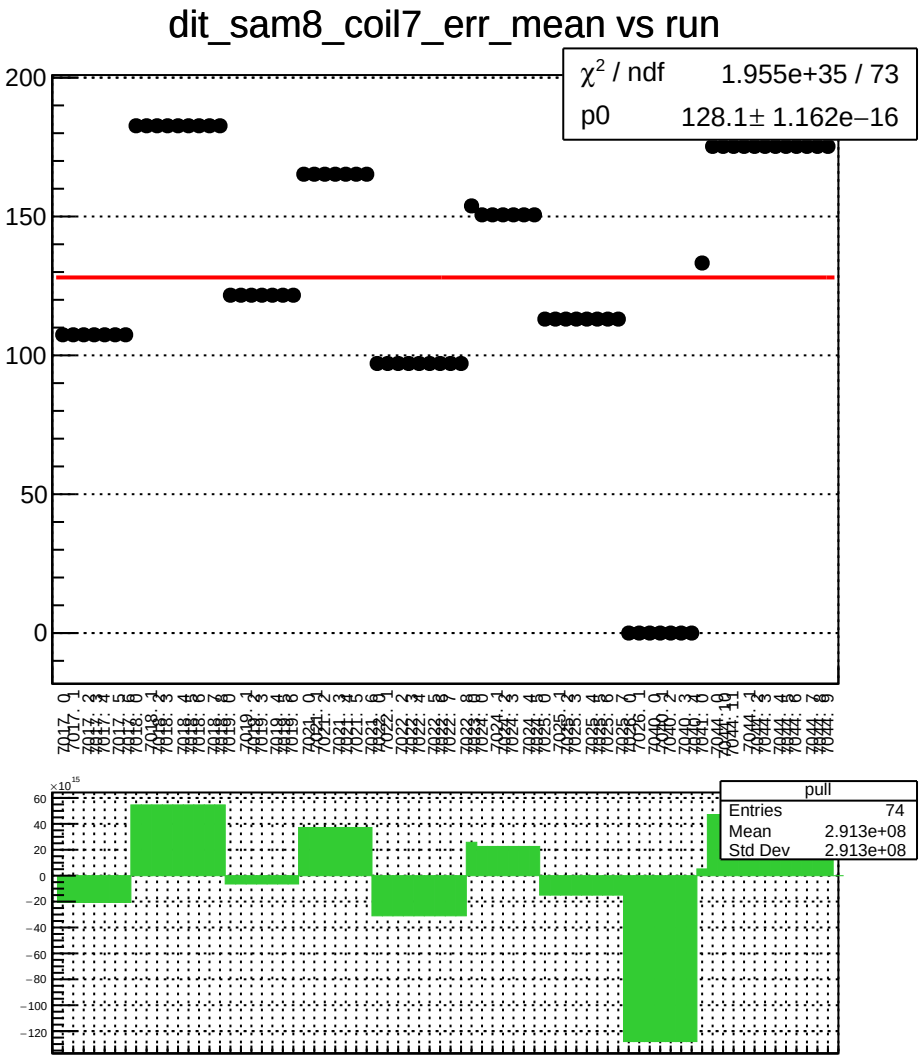

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.563e+37 / 73
p0 983.9 ± 1.162e−16
pull
Entries 74
Mean −1.75e+08
Std Dev 1.75e+08

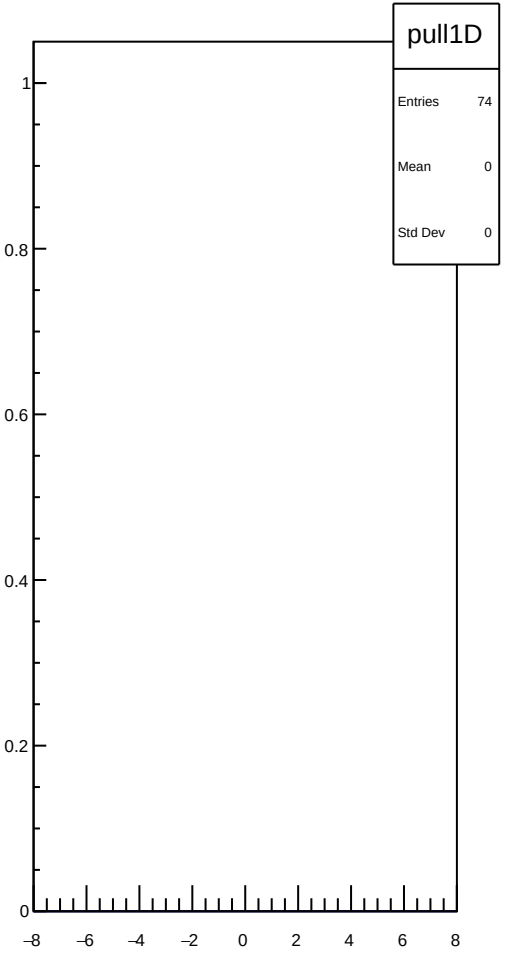

pull1D
Entries 74
Mean 0
Std Dev 0

dit_sam8_coil7_mean vs run

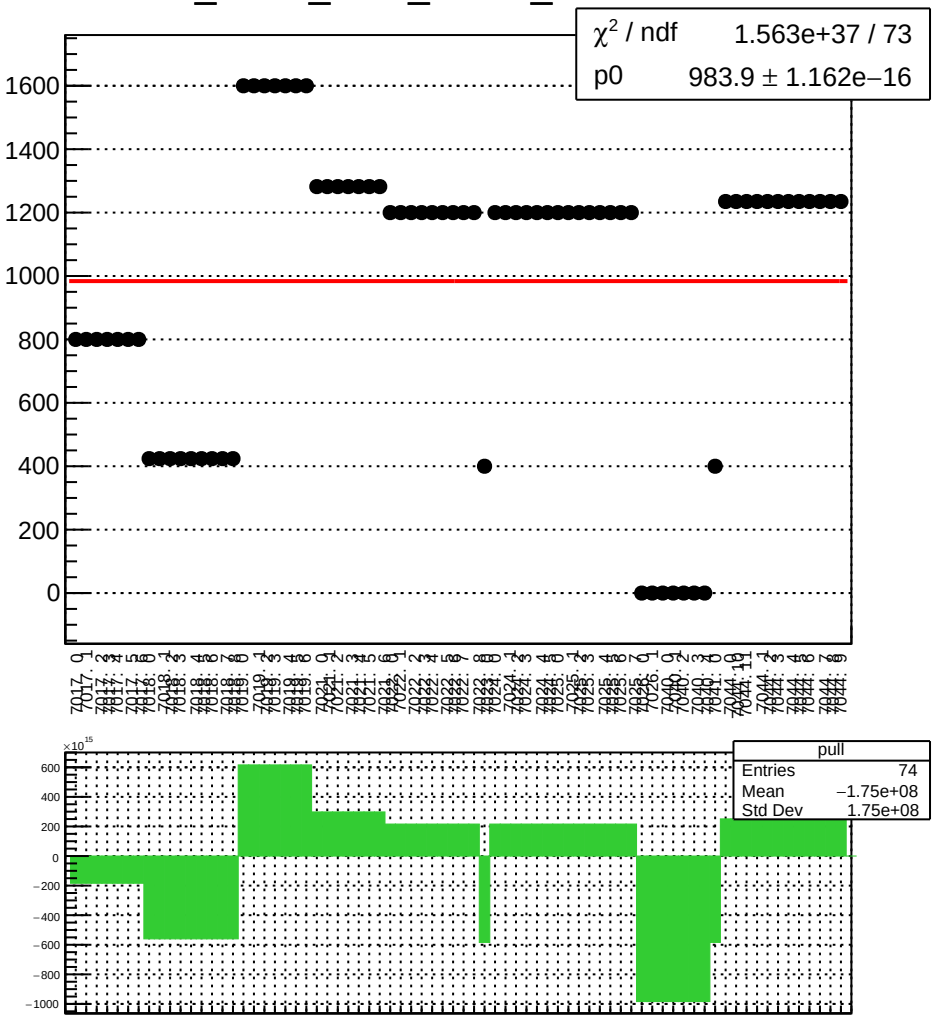


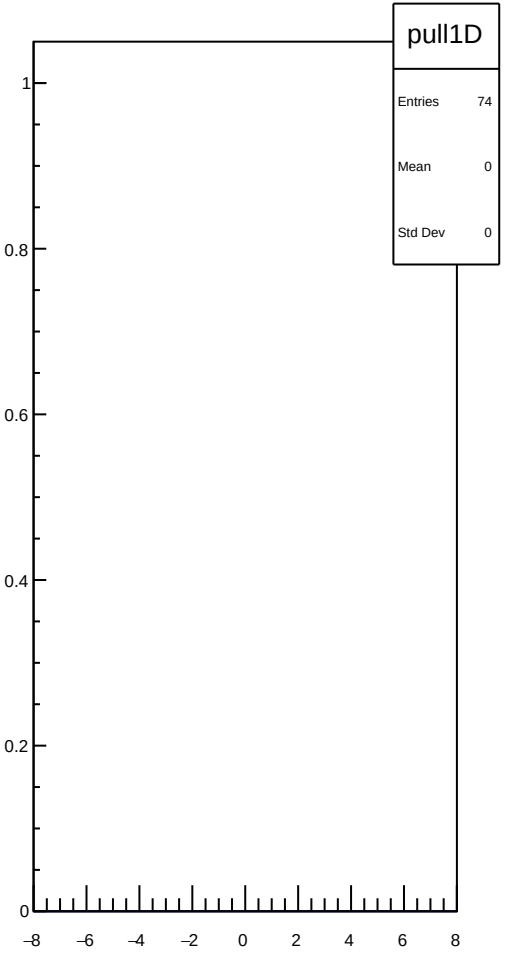



dit_sam8_coil7_err_mean vs run
χ² / ndf 1.955e+35 / 73
p0 128.1± 1.162e−16
pull
Entries 74
Mean 2.913e+08
Std Dev 2.913e+08

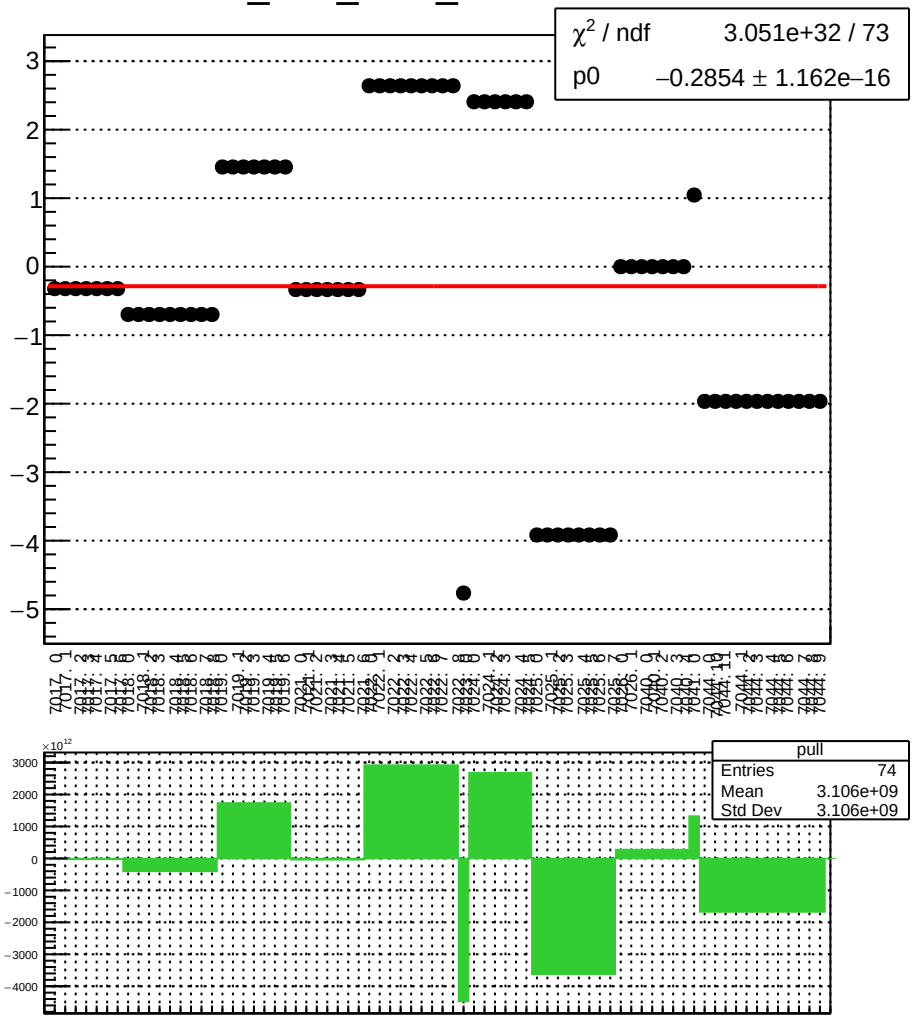

pull1D
Entries 74
Mean 0
Std Dev 0

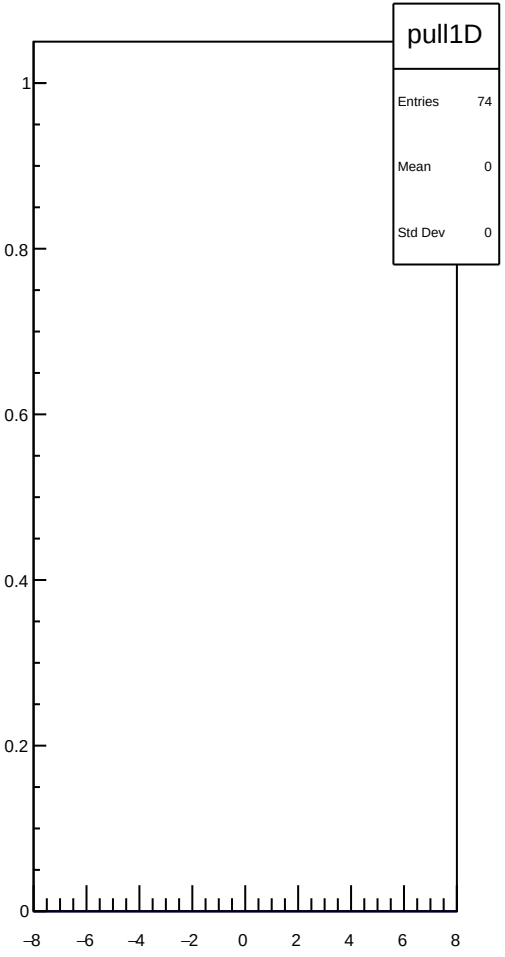
dit_sam8_coil7_Ndata_mean vs run



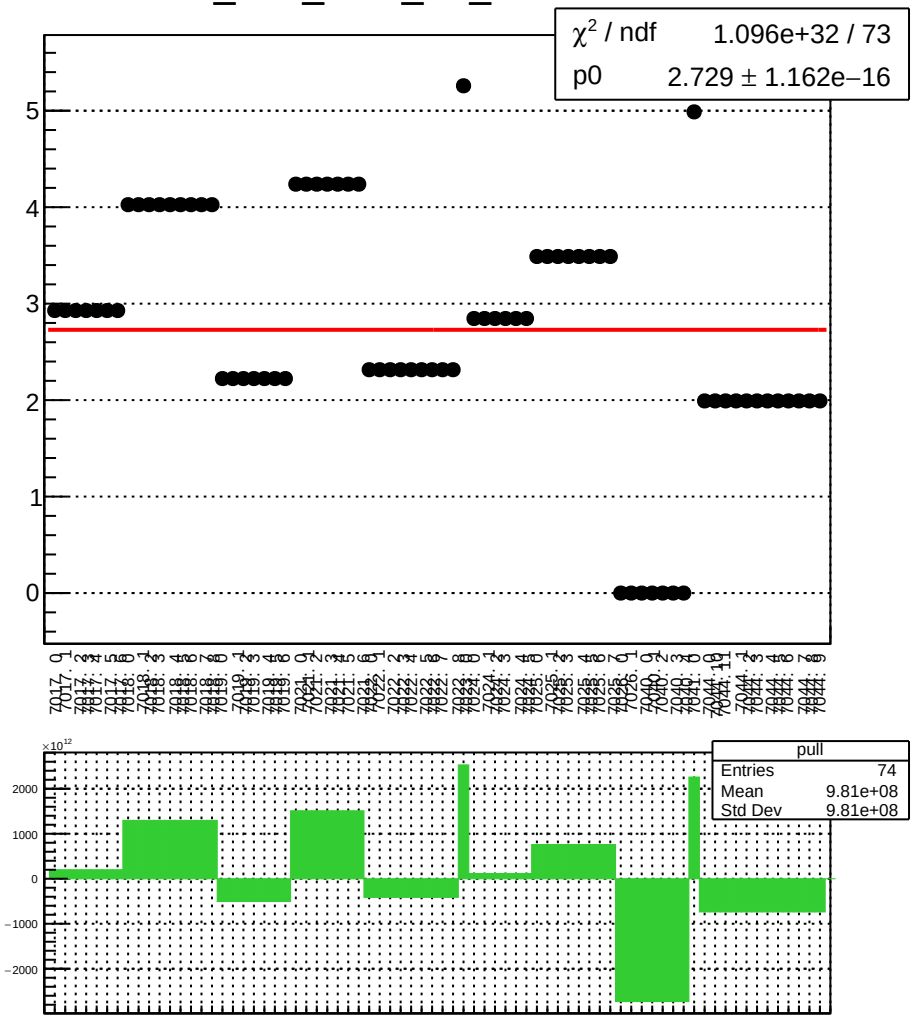


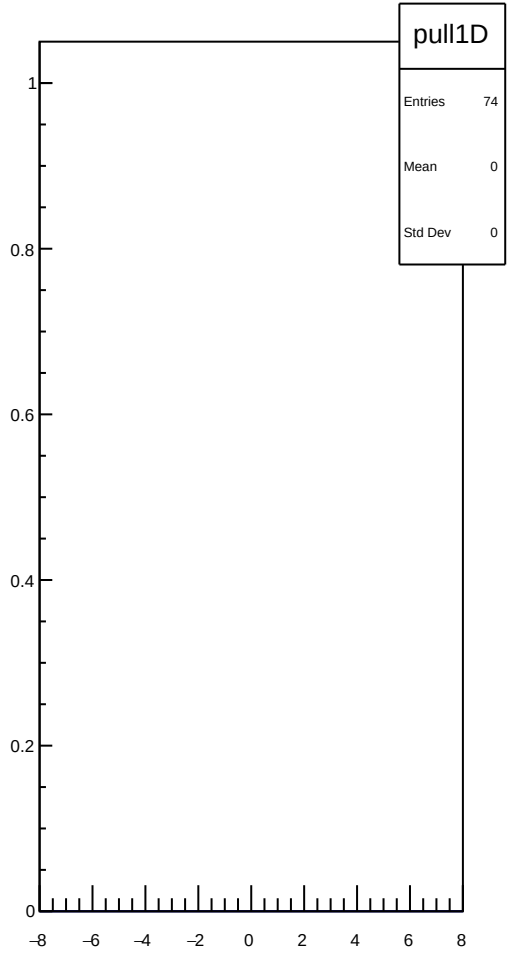
dit_4aX_coil4_mean vs run



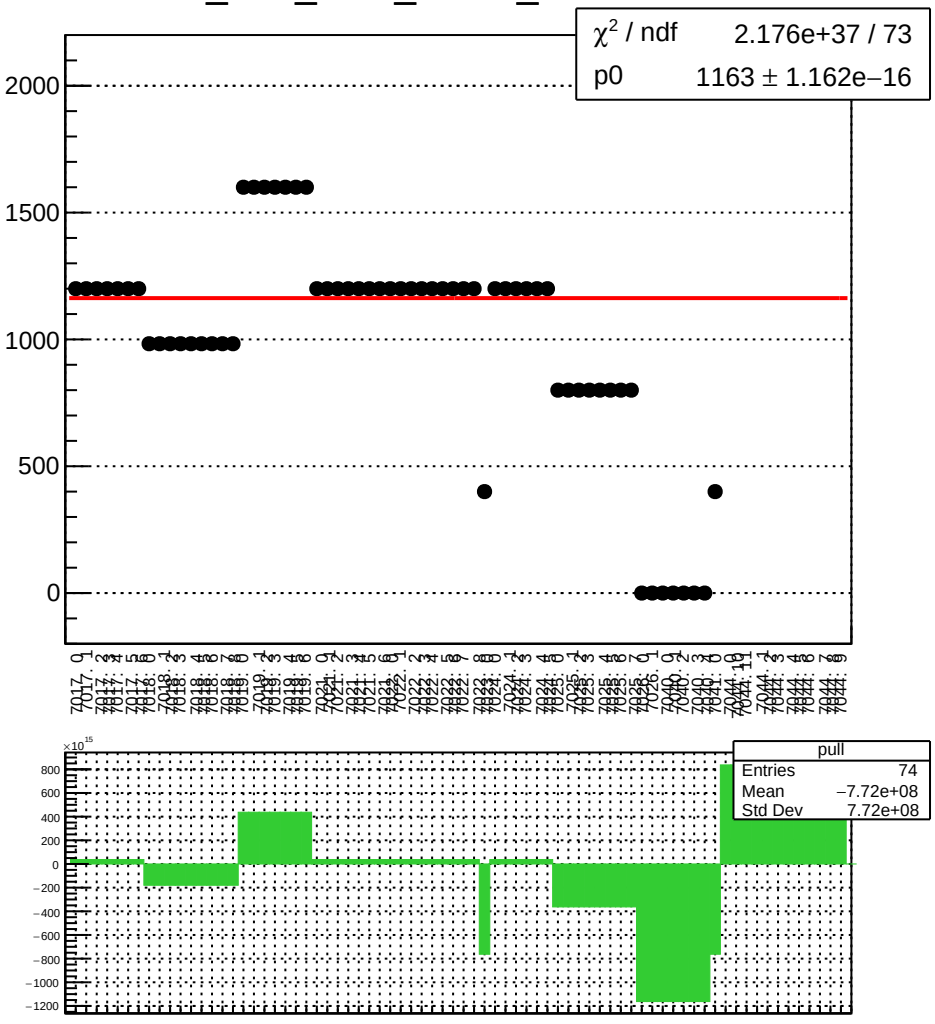


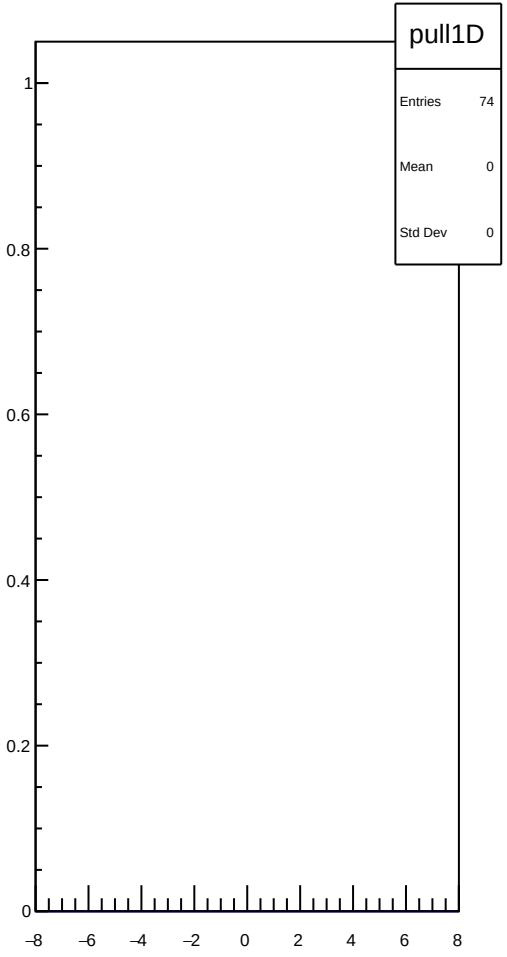
dit_4aX_coil4_err_mean vs run

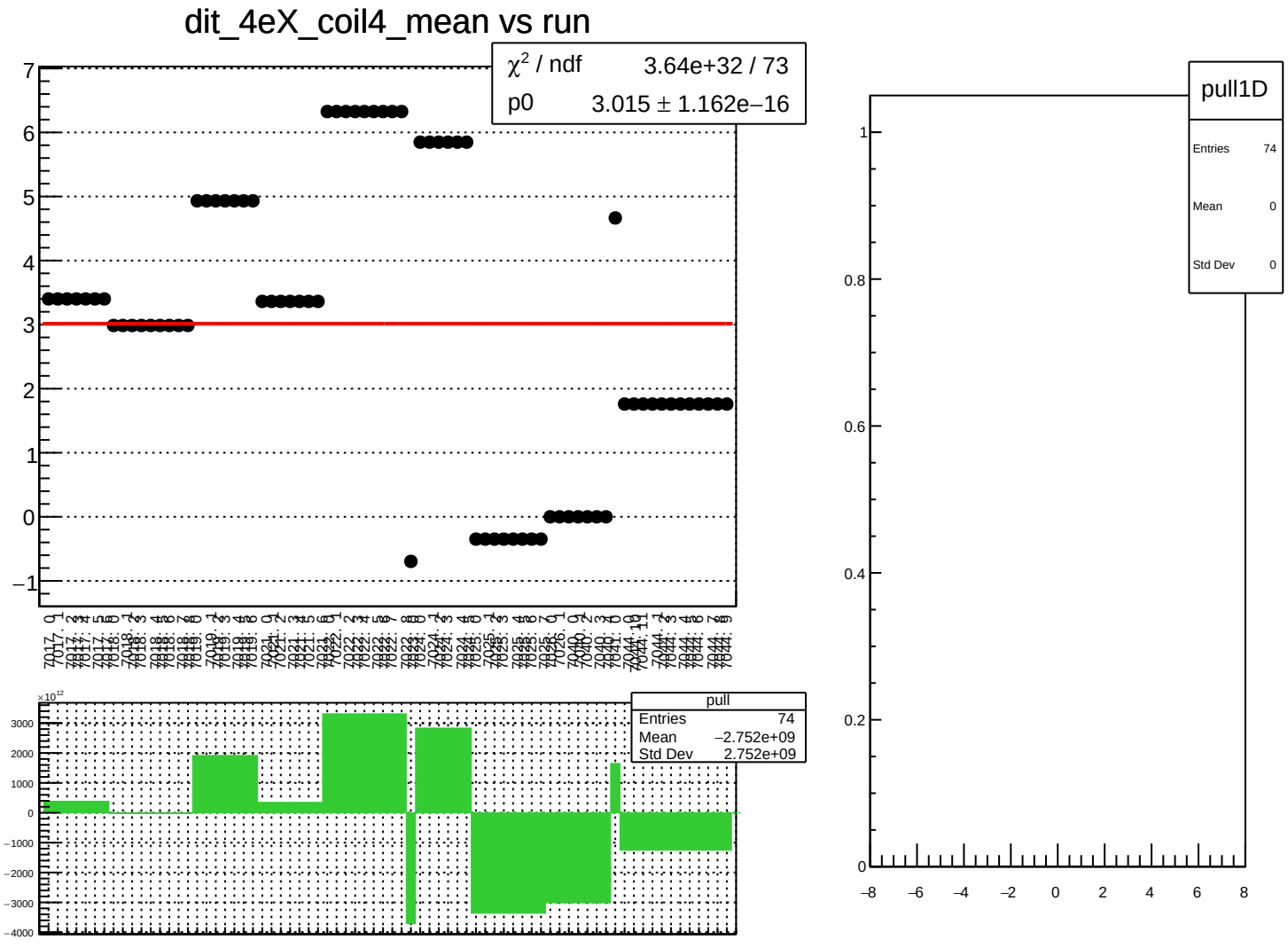




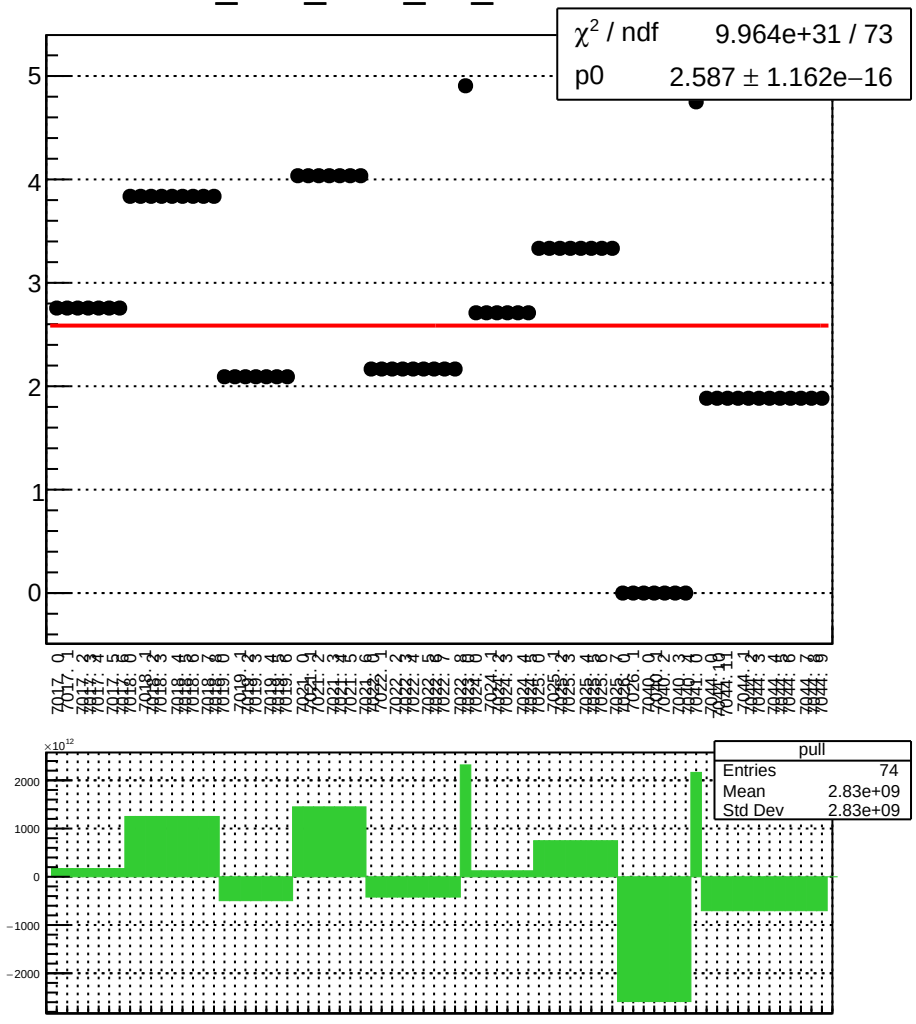
dit_4aX_coil4_Ndata_mean vs run

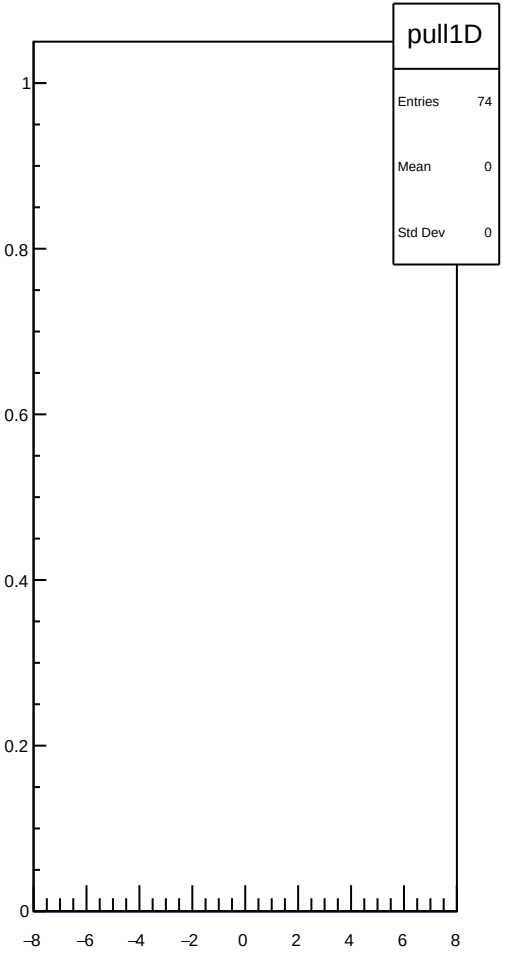




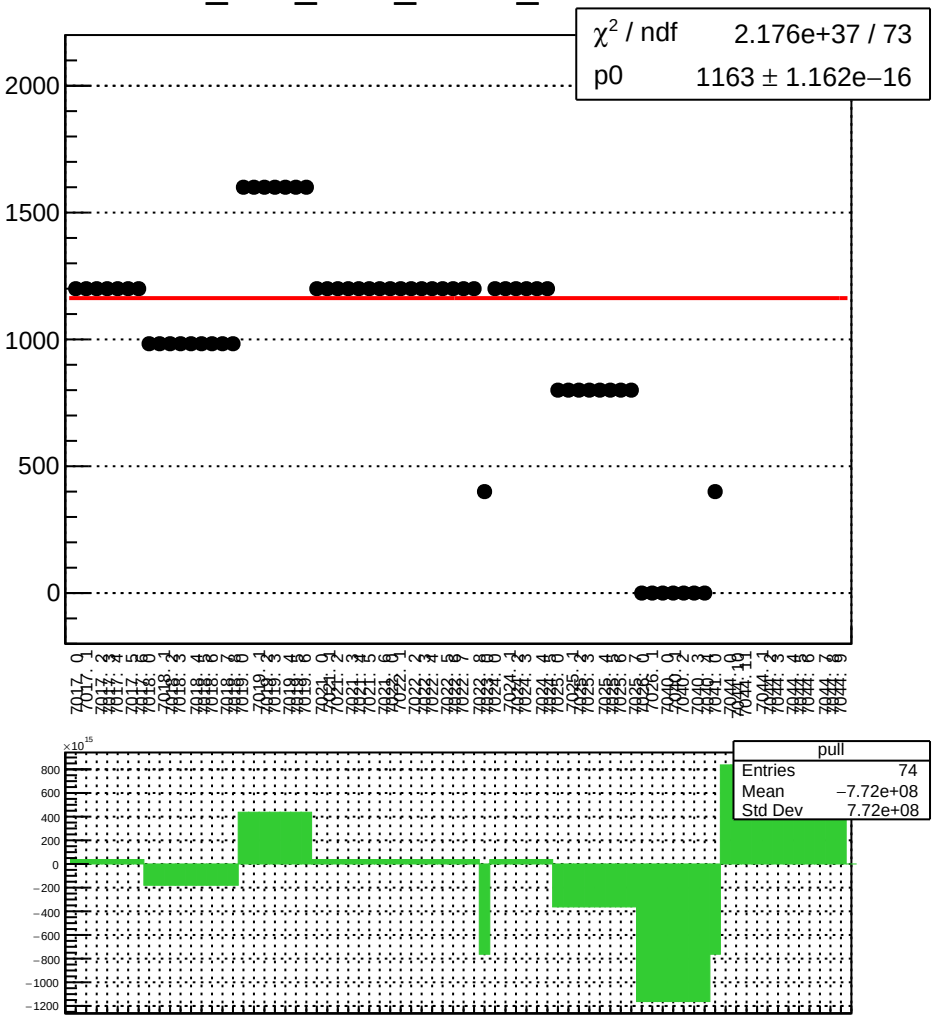

dit_4eX_coil4_mean vs run
χ² / ndf 3.64e+32 / 73
p0 3.015 ± 1.162e−16
pull
Entries 74
Mean −2.752e+09
Std Dev 2.752e+09
pull1D
Entries 74
Mean 0
Std Dev 0

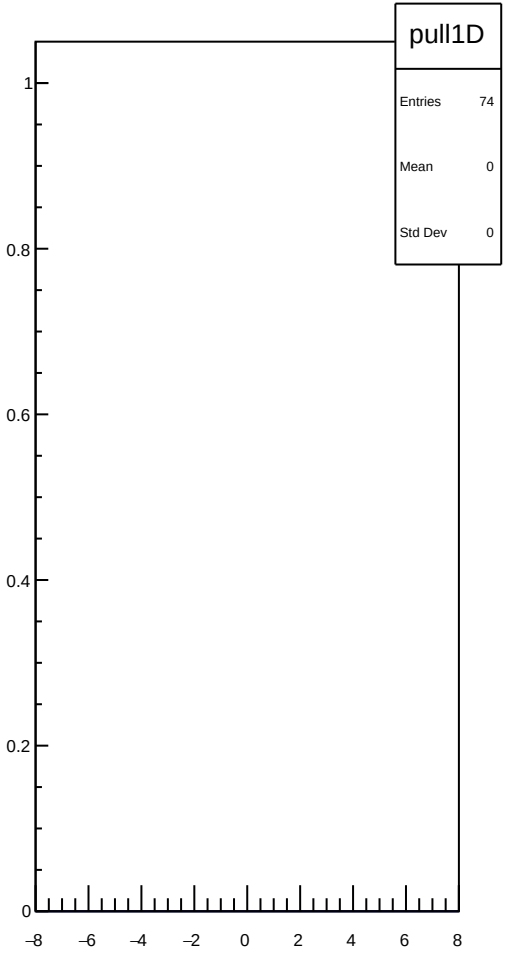
dit_4eX_coil4_err_mean vs run



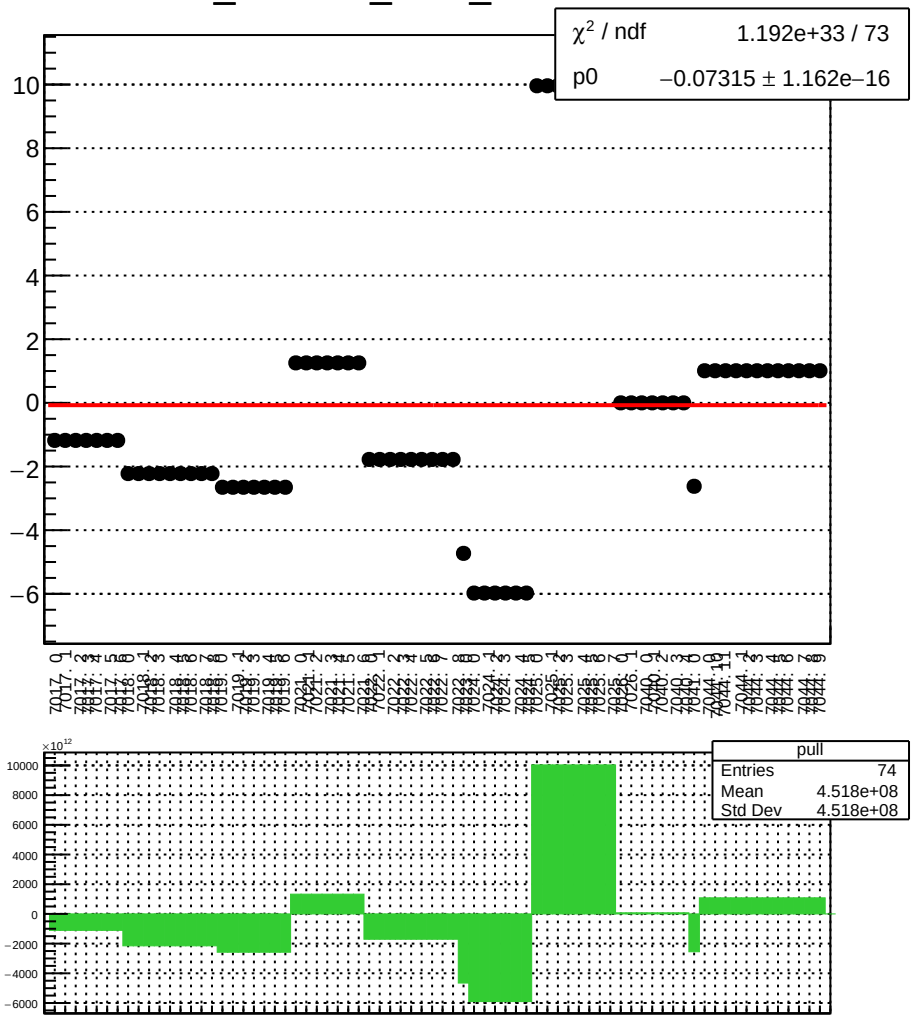


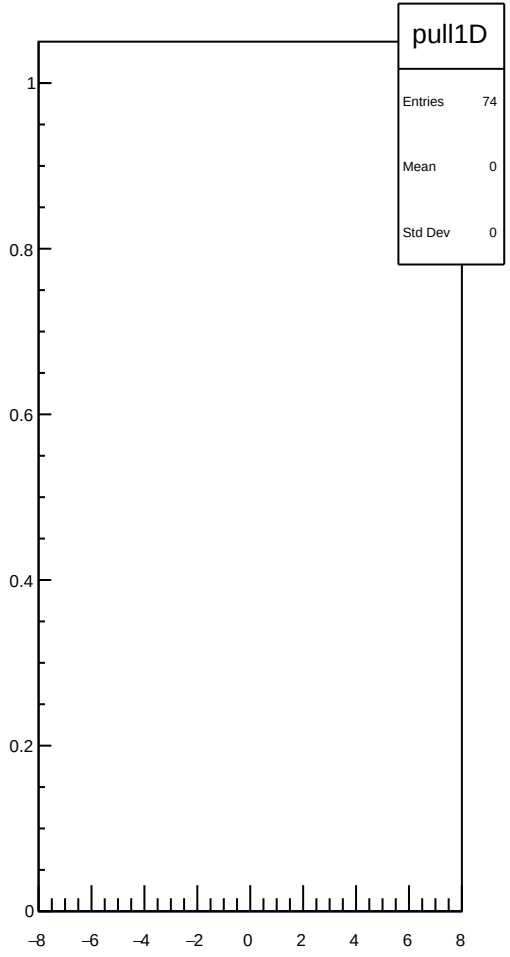
dit_4eX_coil4_Ndata_mean vs run



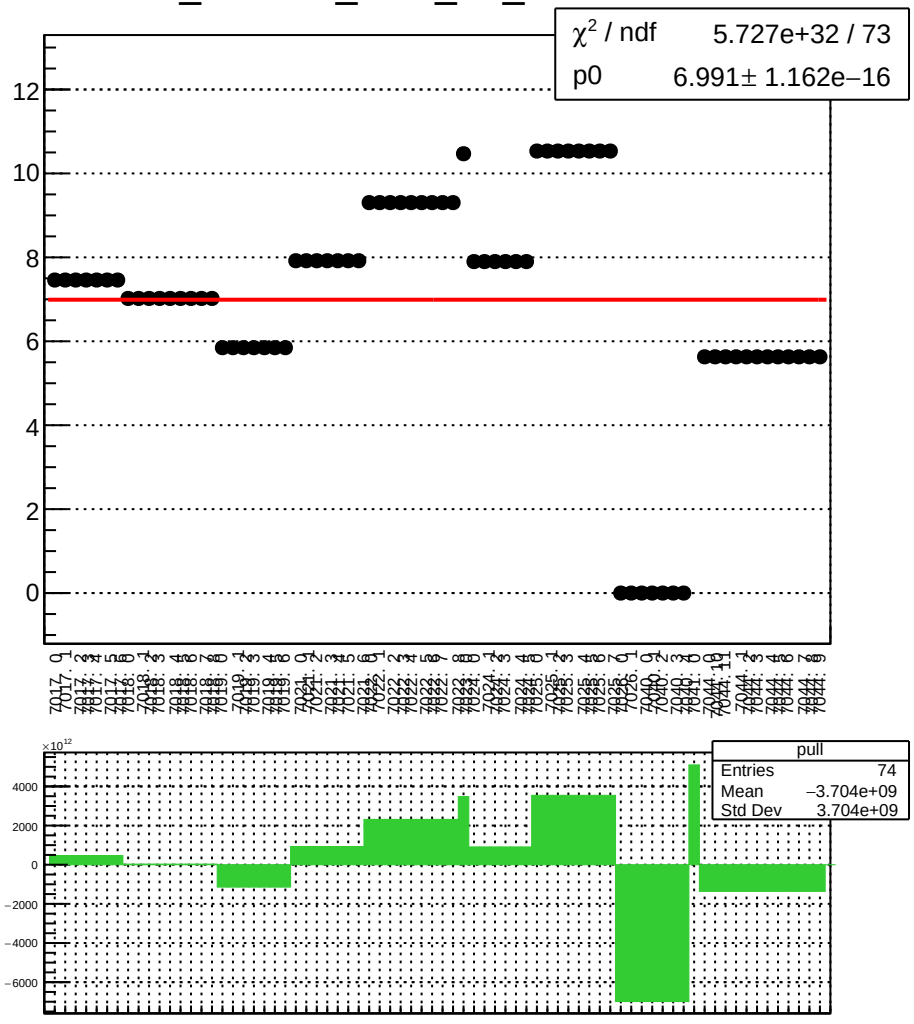


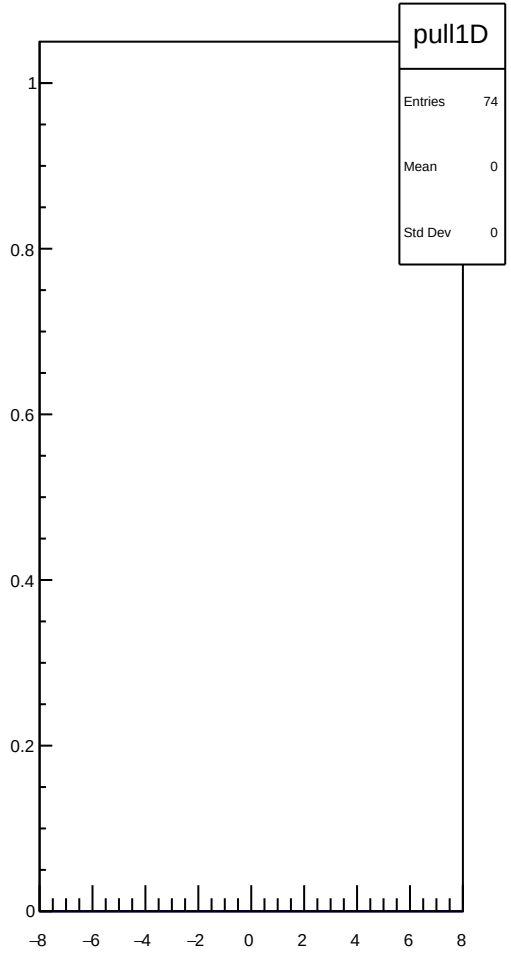
dit_11X12X_coil4_mean vs run



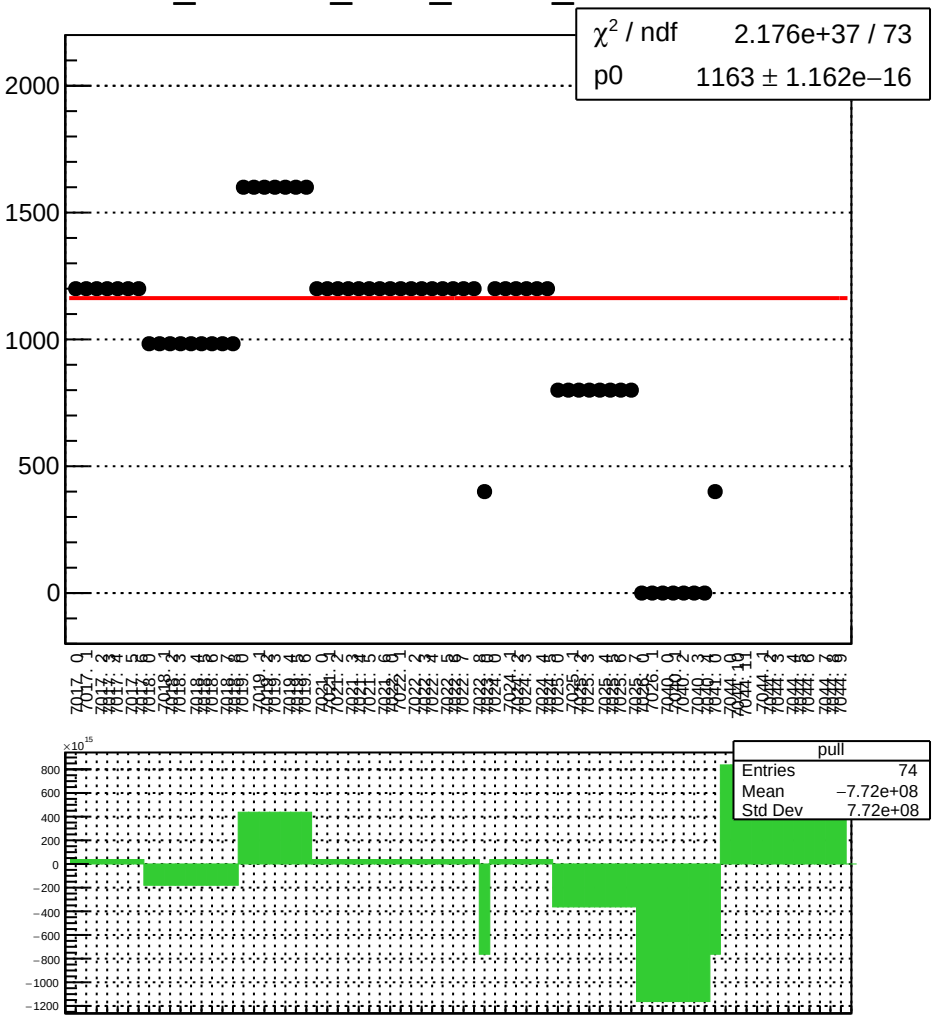


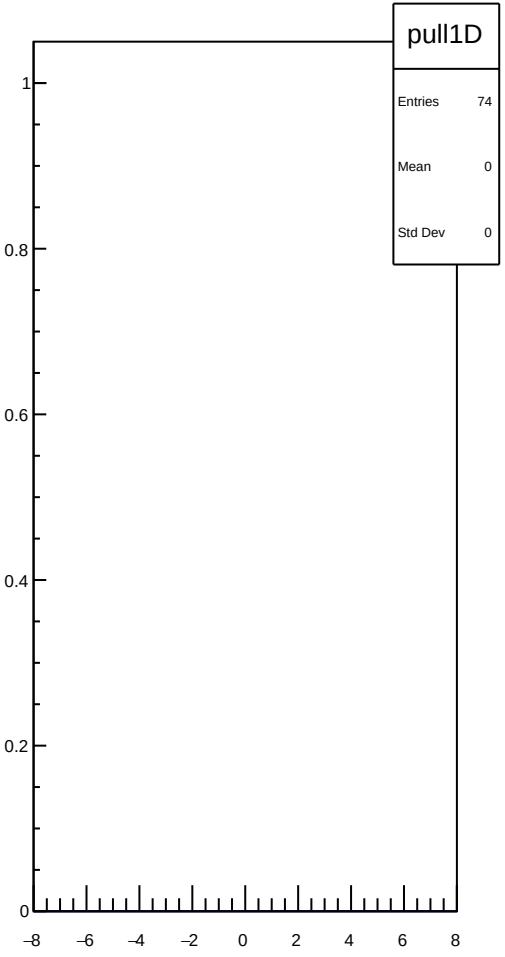
dit_11X12X_coil4_err_mean vs run

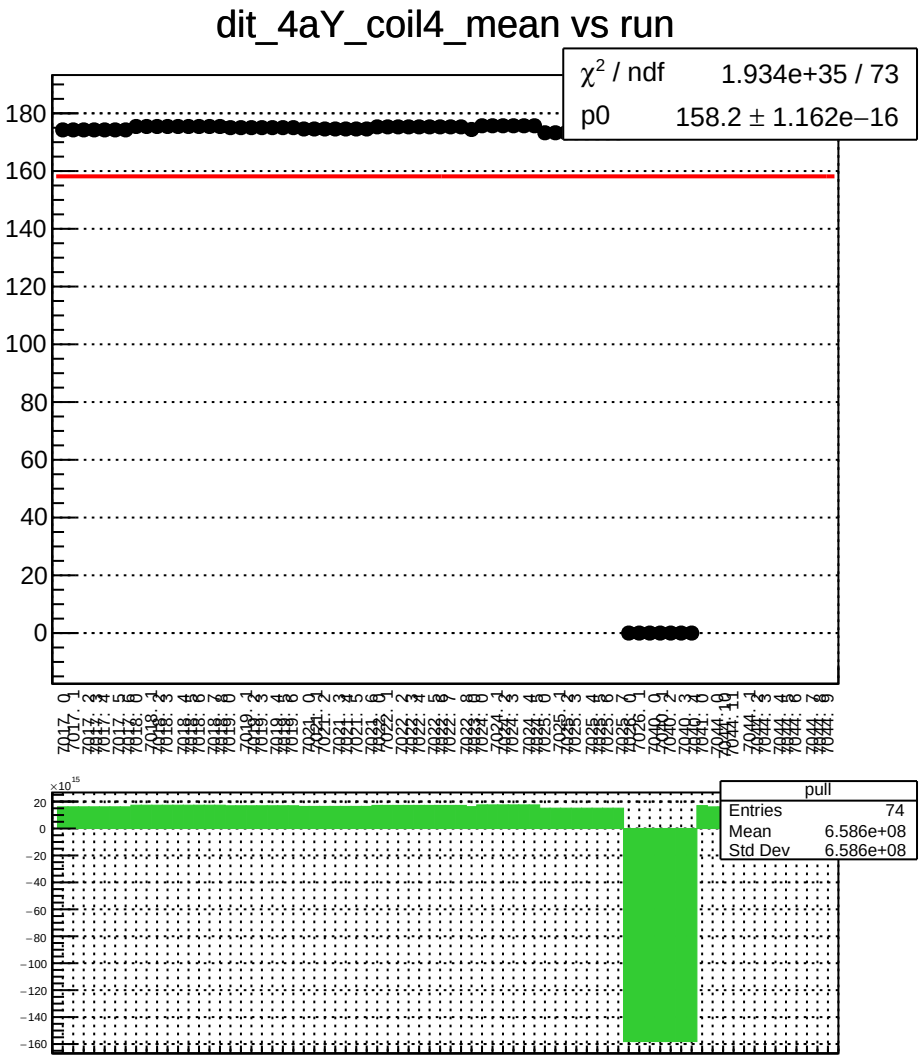


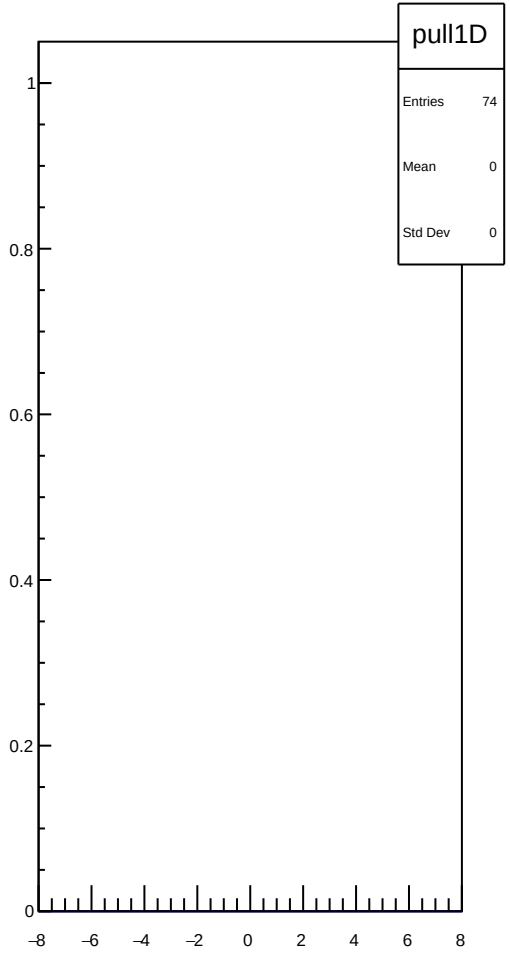


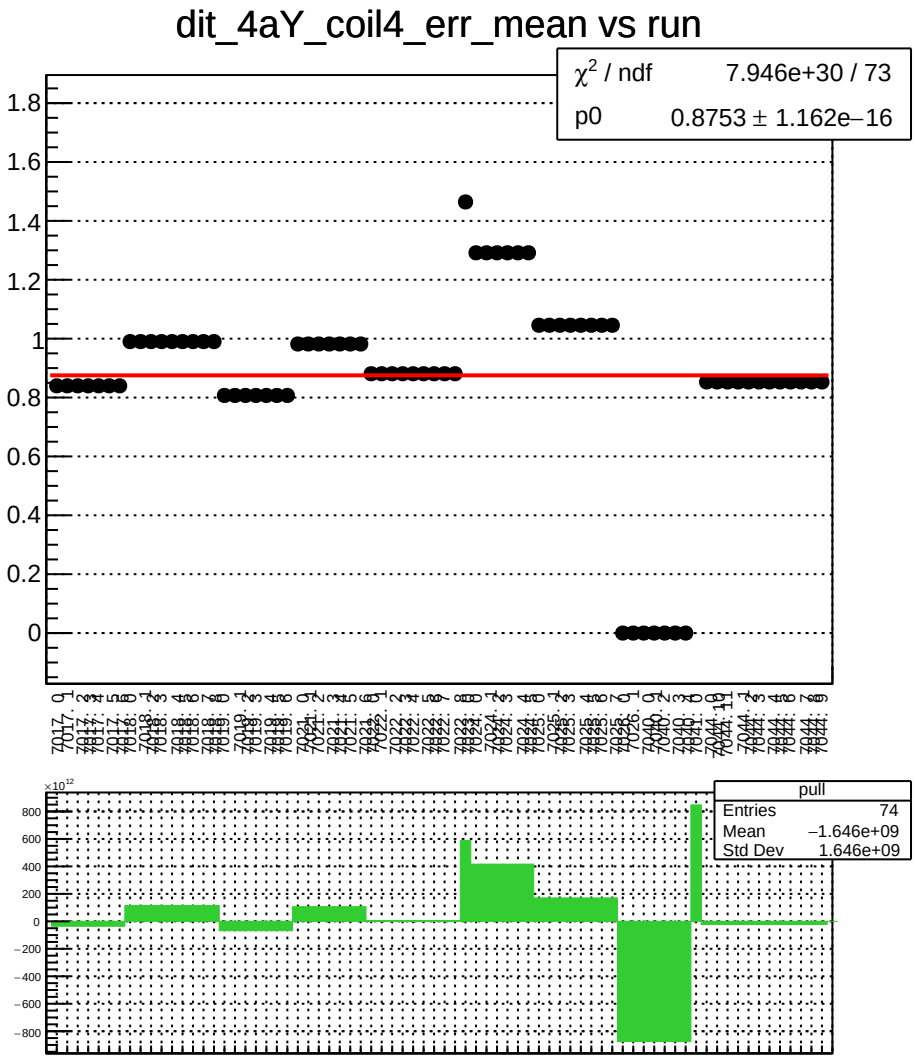
dit_11X12X_coil4_Ndata_mean vs run

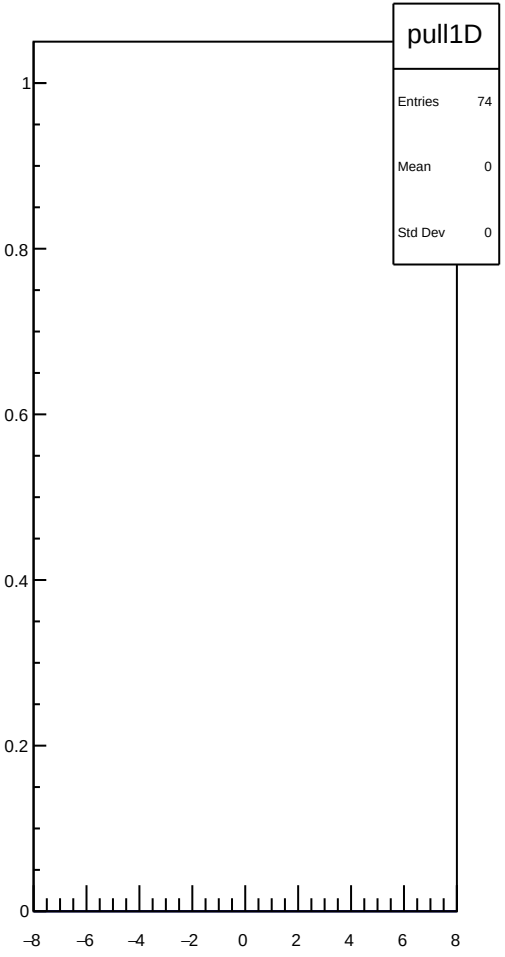




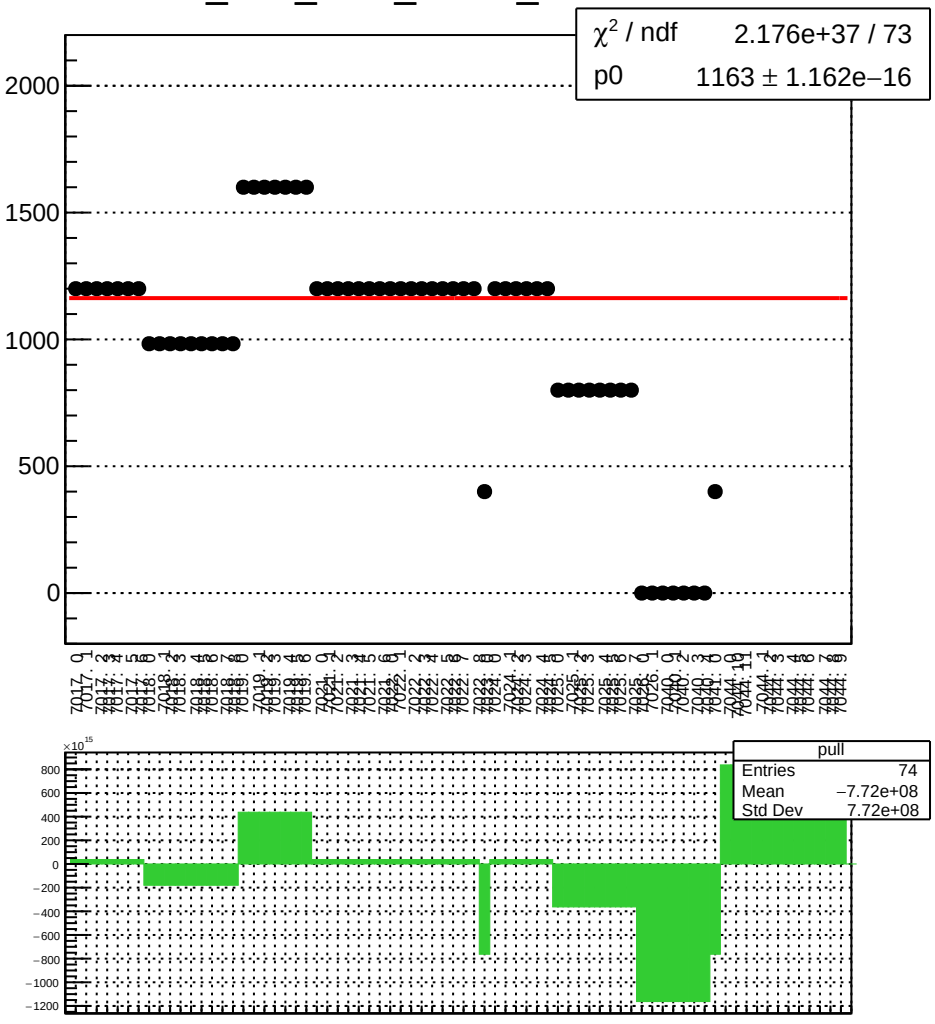

dit_4aY_coil4_mean vs run
χ^2 / ndf 1.934e+35 / 73
p0 158.2 ± 1.162e−16
pull
Entries 74
Mean 6.586e+08
Std Dev 6.586e+08

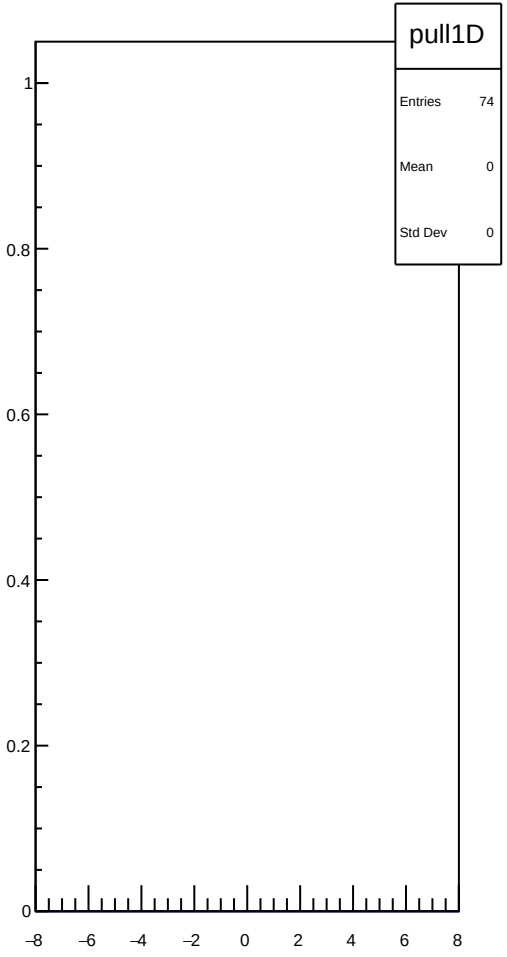

pull1D
Entries 74
Mean 0
Std Dev 0

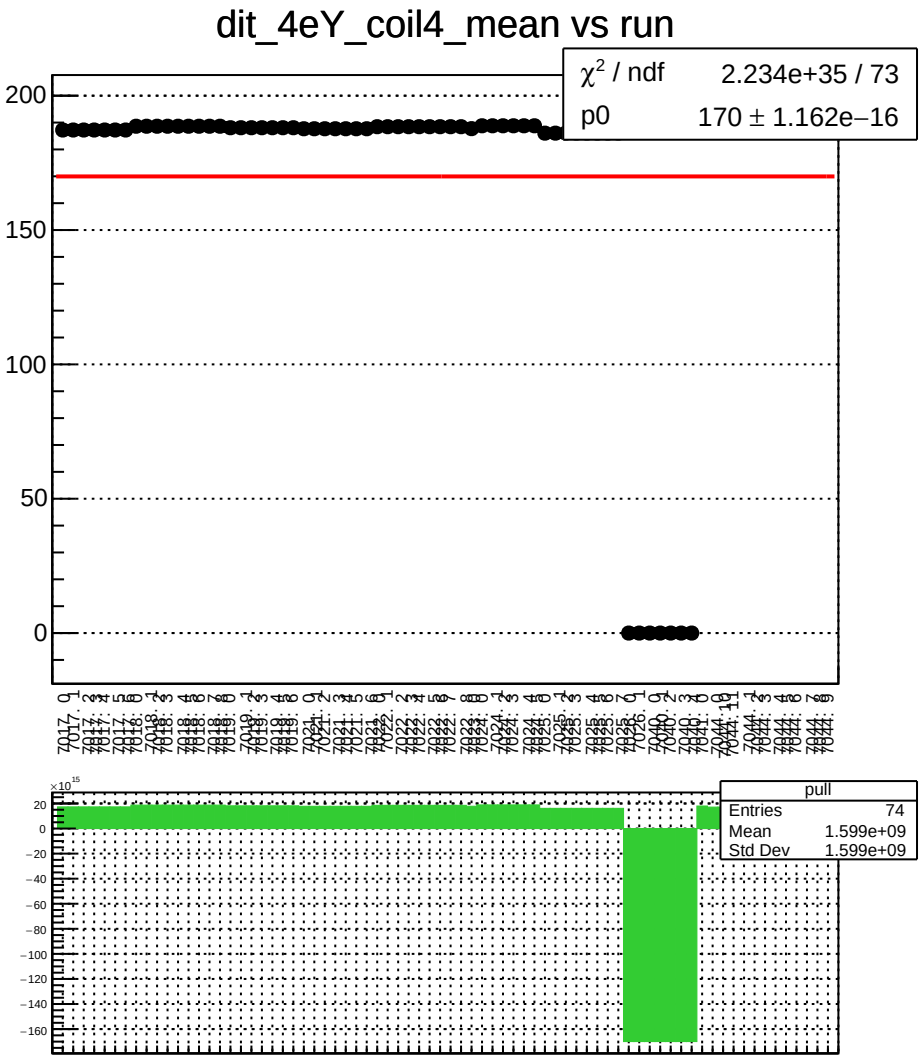

dit_4aY_coil4_err_mean vs run
χ^2 / ndf 7.946e+30 / 73
p0 0.8753 ± 1.162e−16
pull
Entries 74
Mean −1.646e+09
Std Dev 1.646e+09

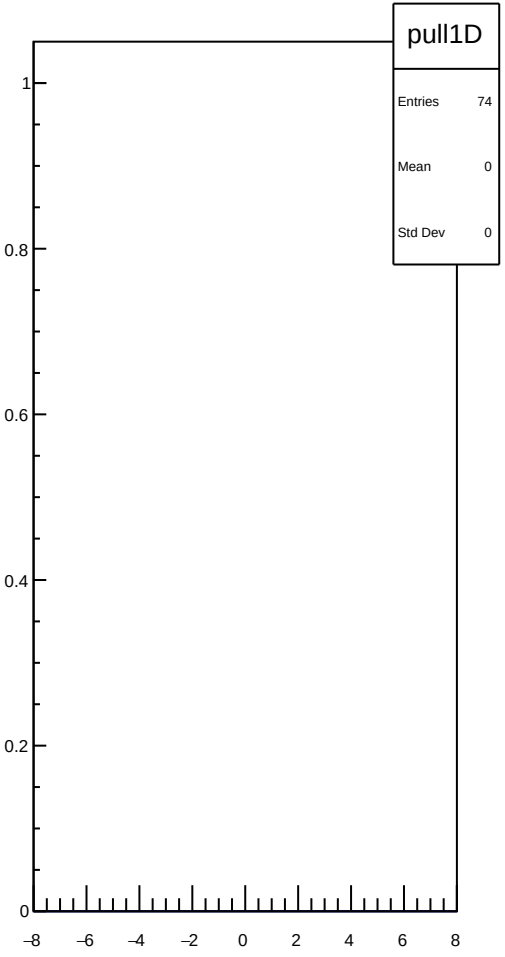

pull1D
Entries 74
Mean 0
Std Dev 0

dit_4aY_coil4_Ndata_mean vs run

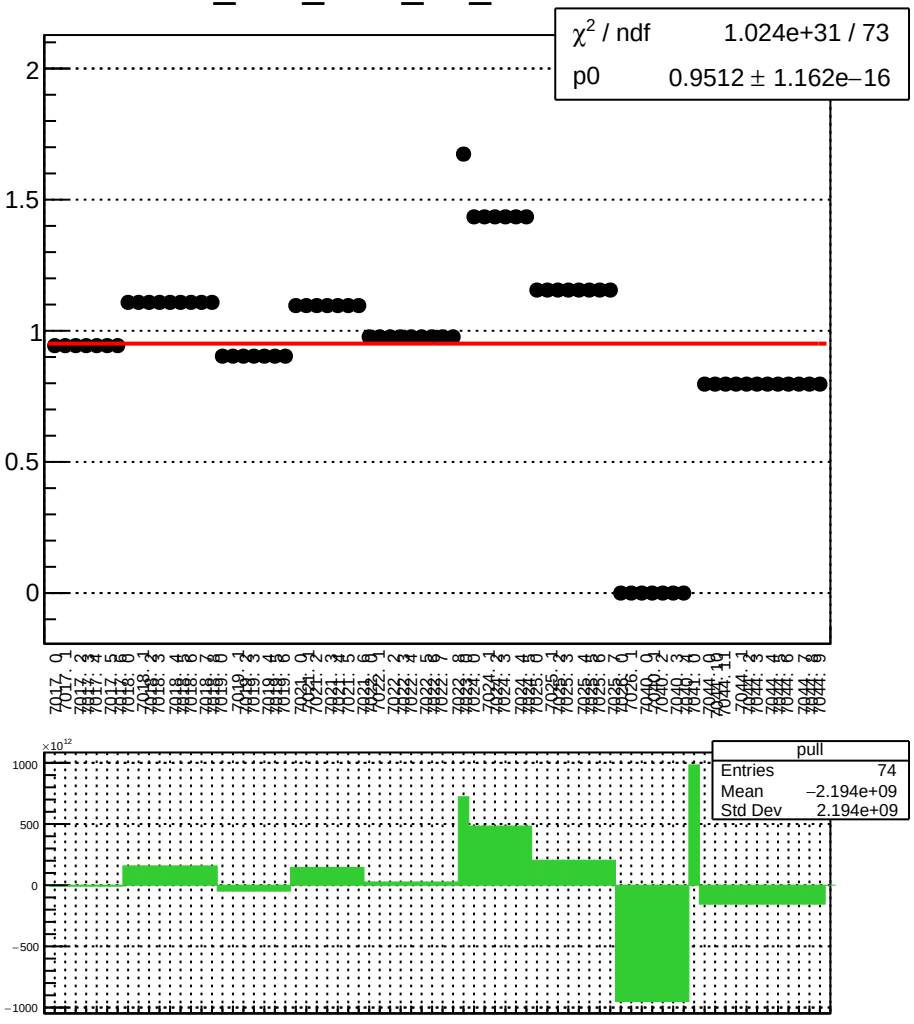


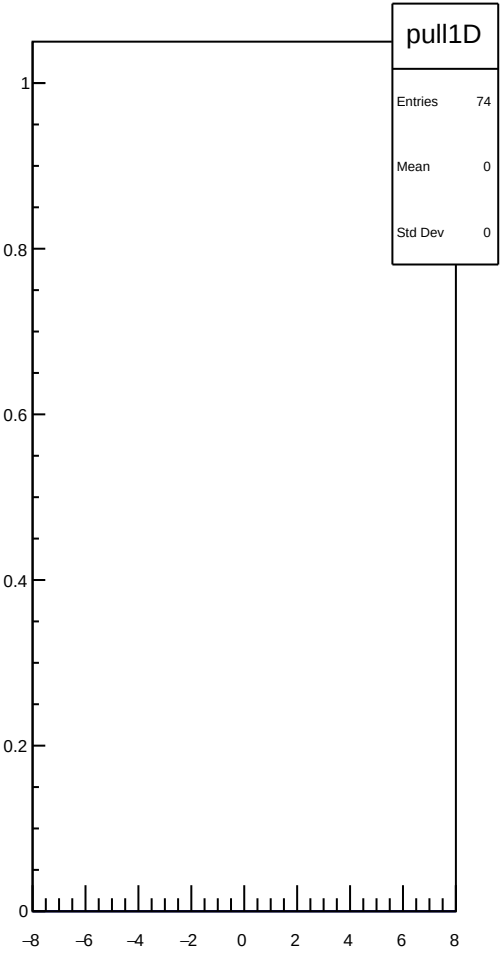



dit_4eY_coil4_mean vs run
χ² / ndf 2.234e+35 / 73
p0 170 ± 1.162e−16
200
150
100
50
0
pull
Entries 74
Mean 1.599e+09
Std Dev 1.599e+09
×10¹⁵
20
0
−20
−40
−60
−80
−100
−120
−140
−160

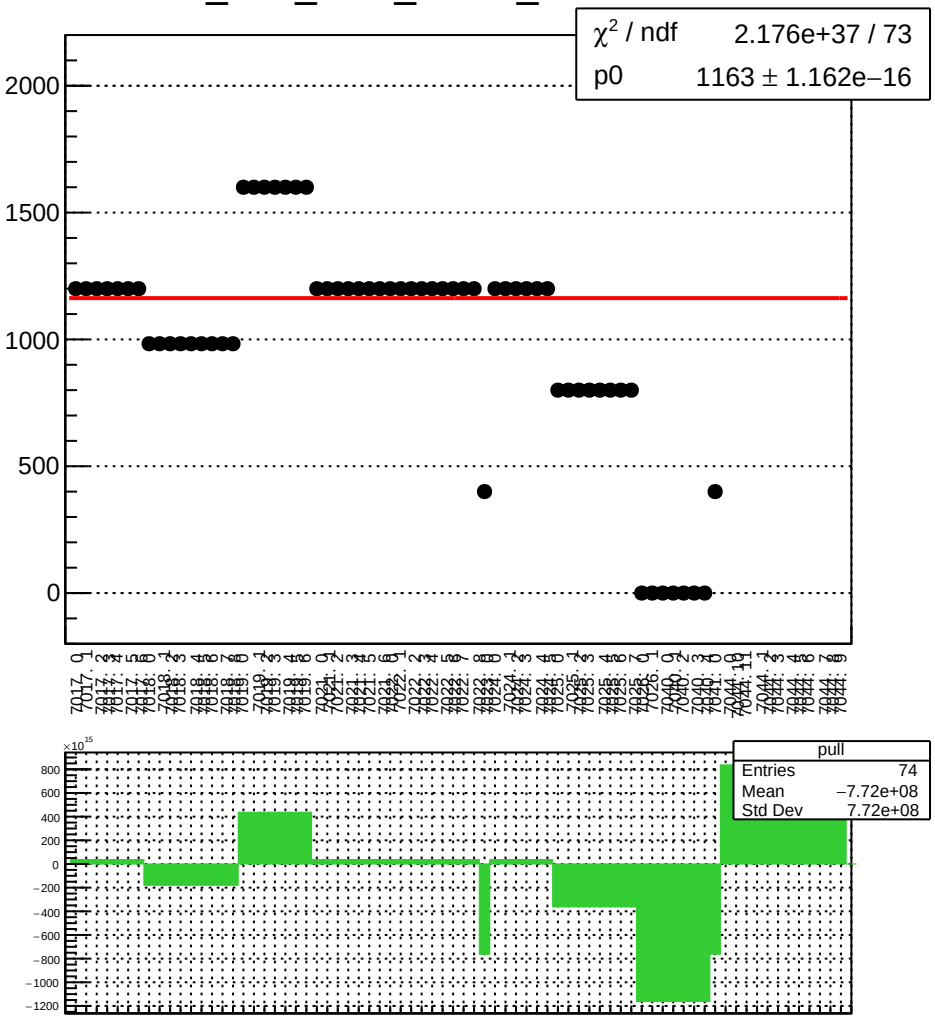

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

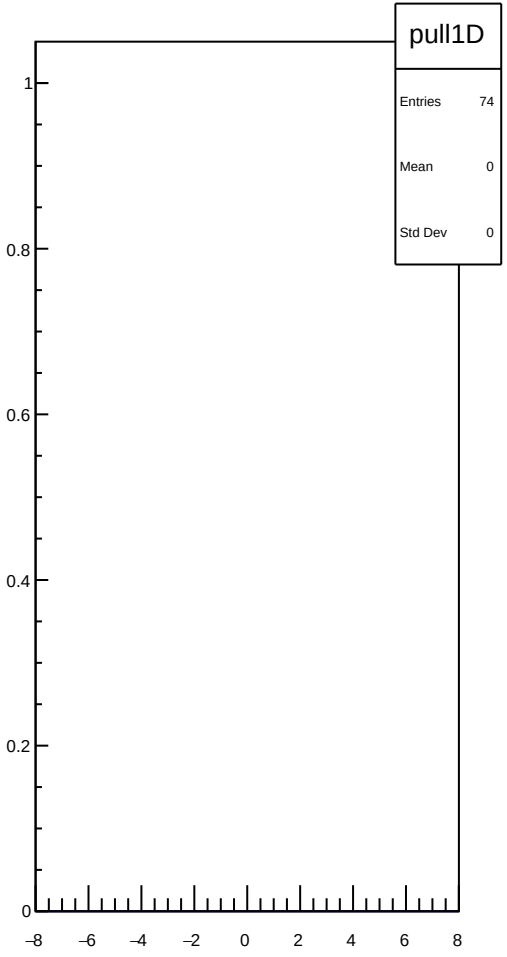
dit_4eY_coil4_err_mean vs run

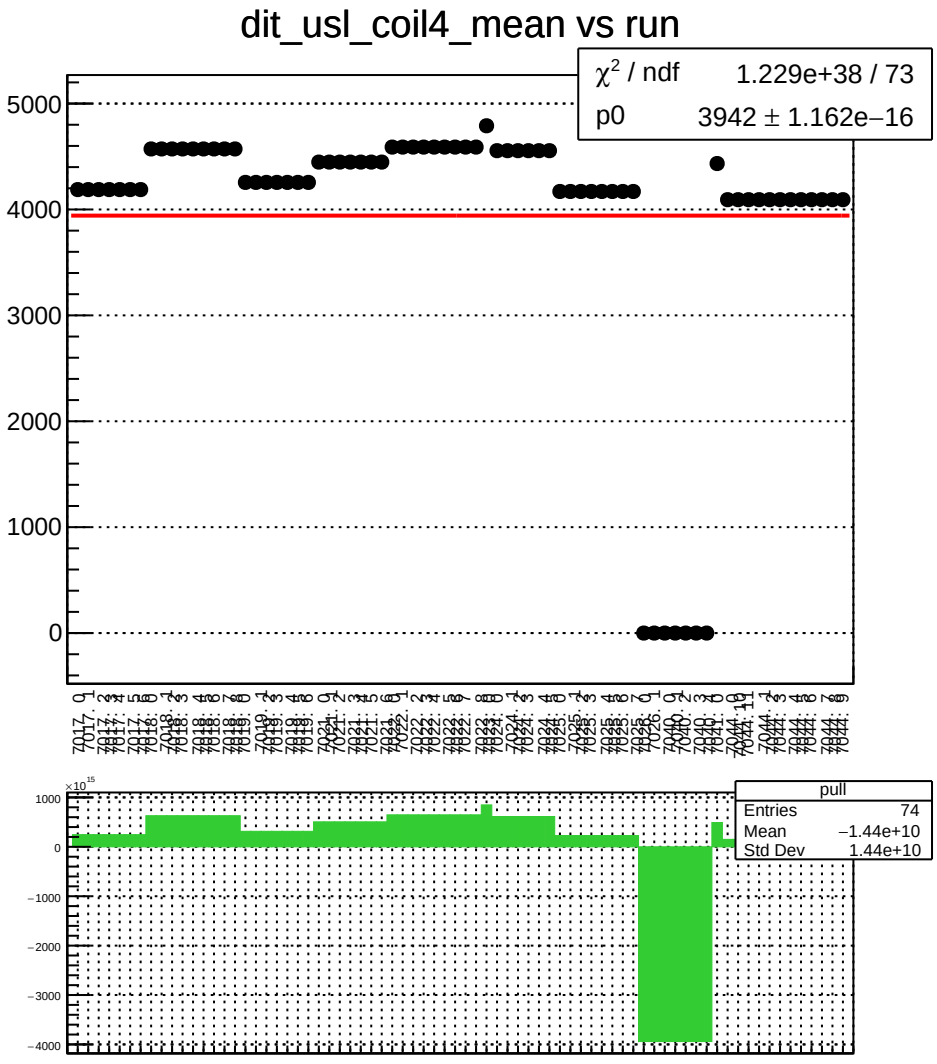


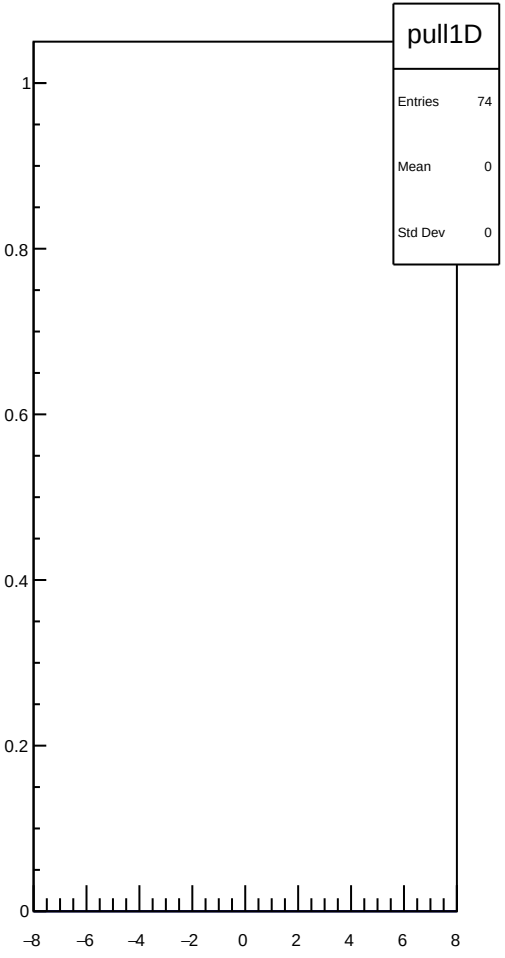


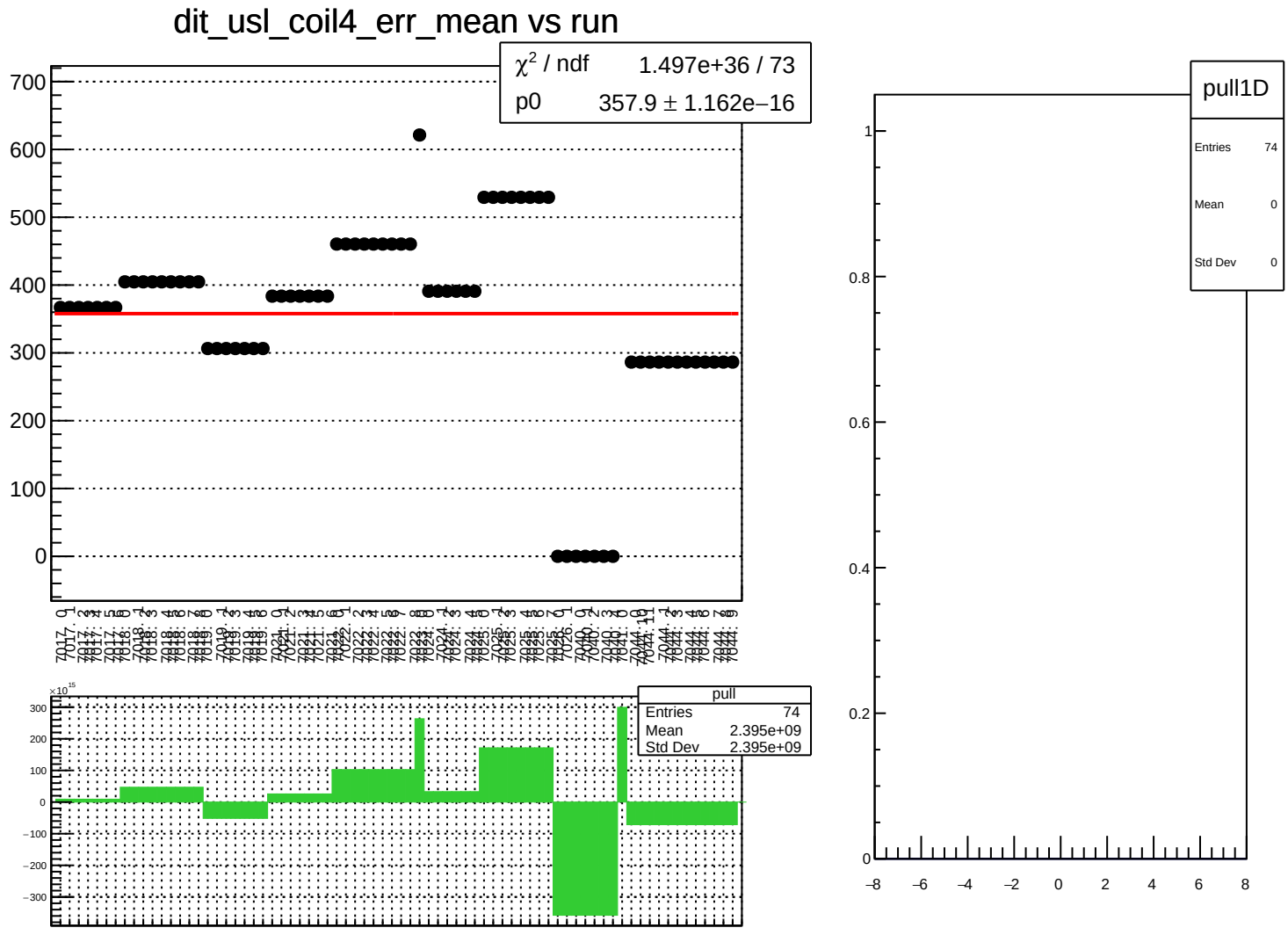
dit_4eY_coil4_Ndata_mean vs run

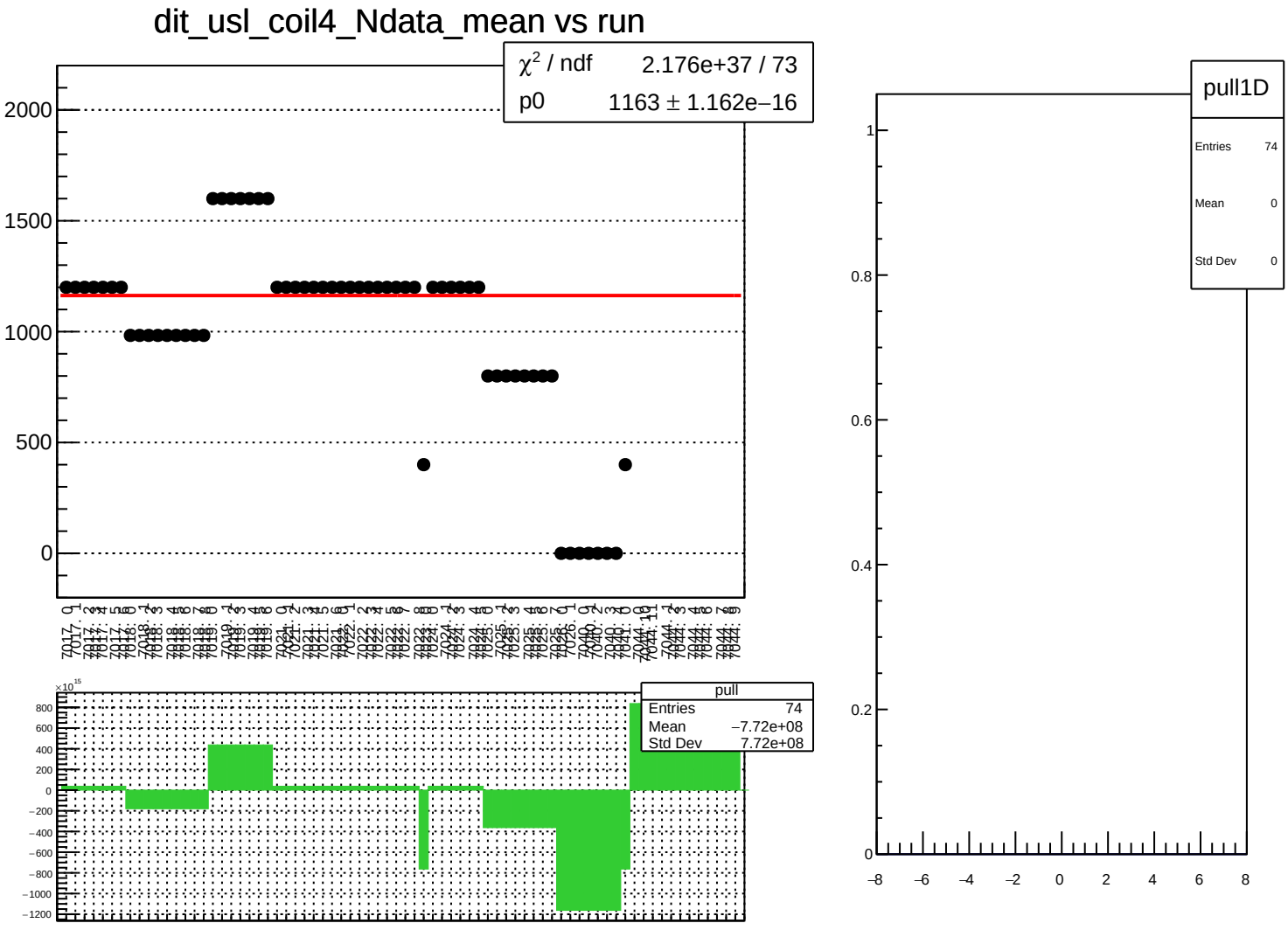


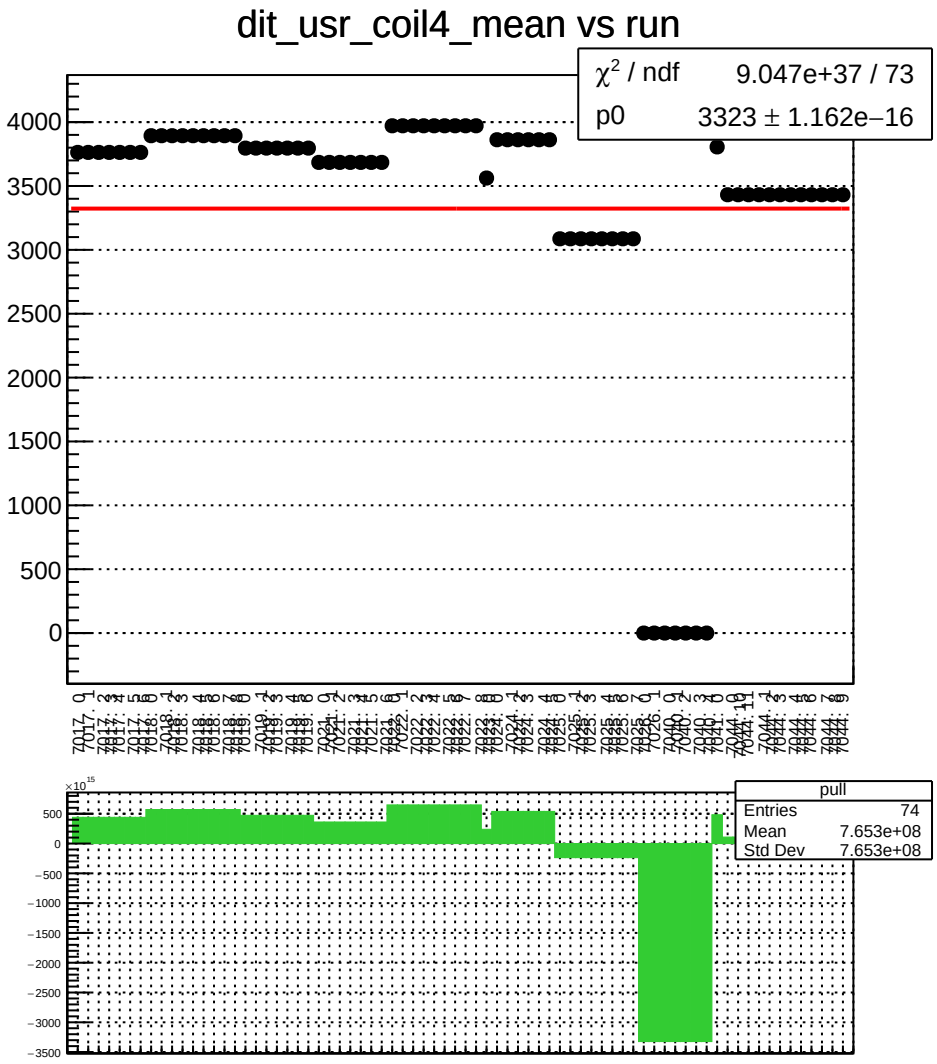


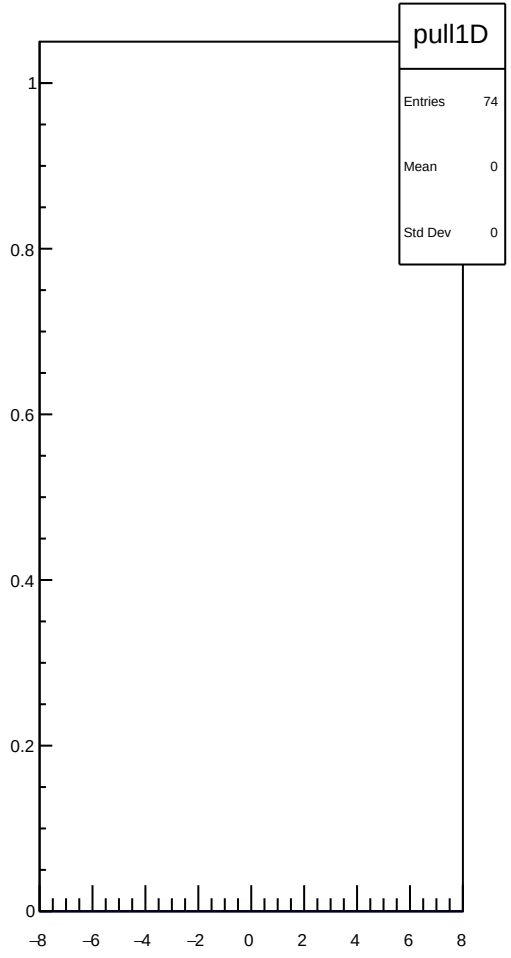

dit_usl_coil4_mean vs run
χ^2 / ndf 1.229e+38 / 73
p0 3942 ± 1.162e−16
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean −1.44e+10
Std Dev 1.44e+10
1000
0
−1000
−2000
−3000
−4000

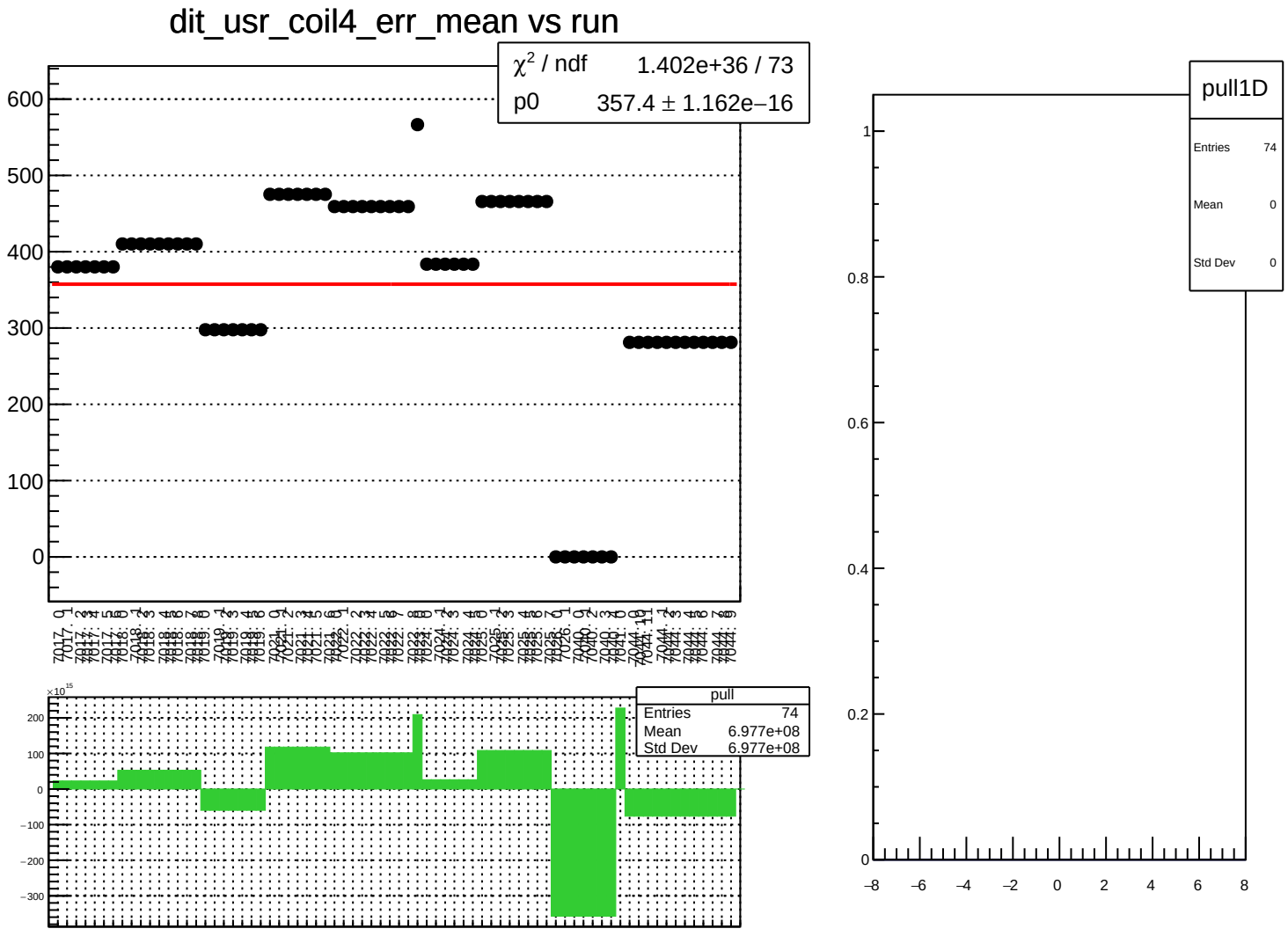

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_usl_coil4_err_mean vs run
χ² / ndf 1.497e+36 / 73
p0 357.9 ± 1.162e−16
pull
Entries 74
Mean 2.395e+09
Std Dev 2.395e+09
pull1D
Entries 74
Mean 0
Std Dev 0

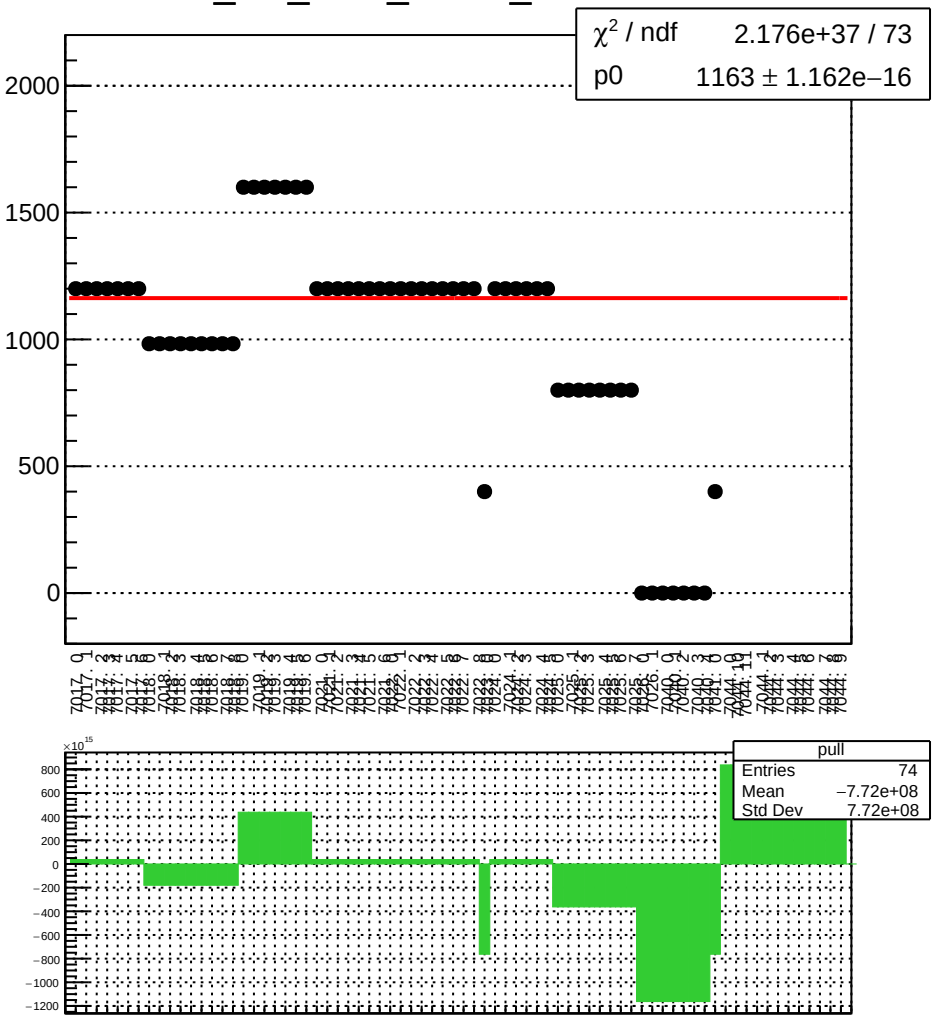

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.176e+37 / 73
p0 1163 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean −7.72e+08
Std Dev 7.72e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

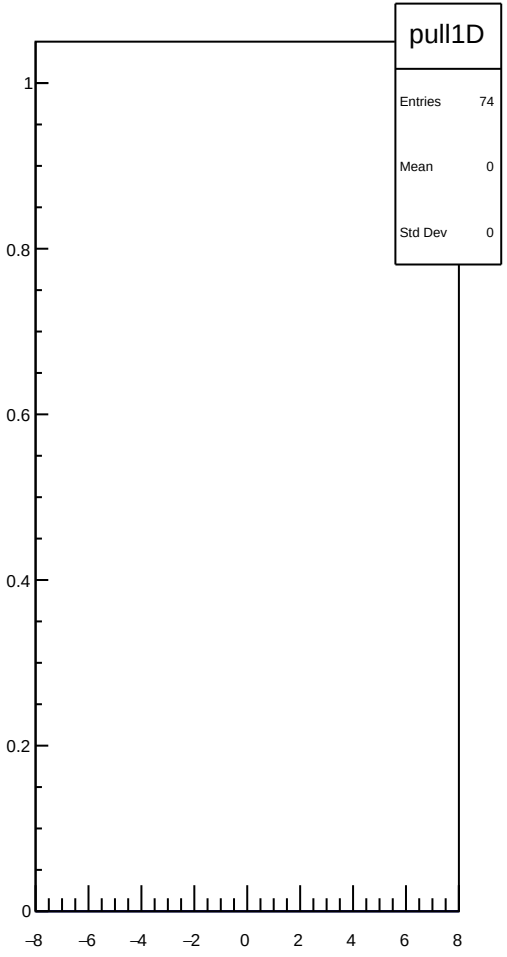

dit_usr_coil4_mean vs run
χ² / ndf 9.047e+37 / 73
p0 3323 ± 1.162e−16
pull
Entries 74
Mean 7.653e+08
Std Dev 7.653e+08

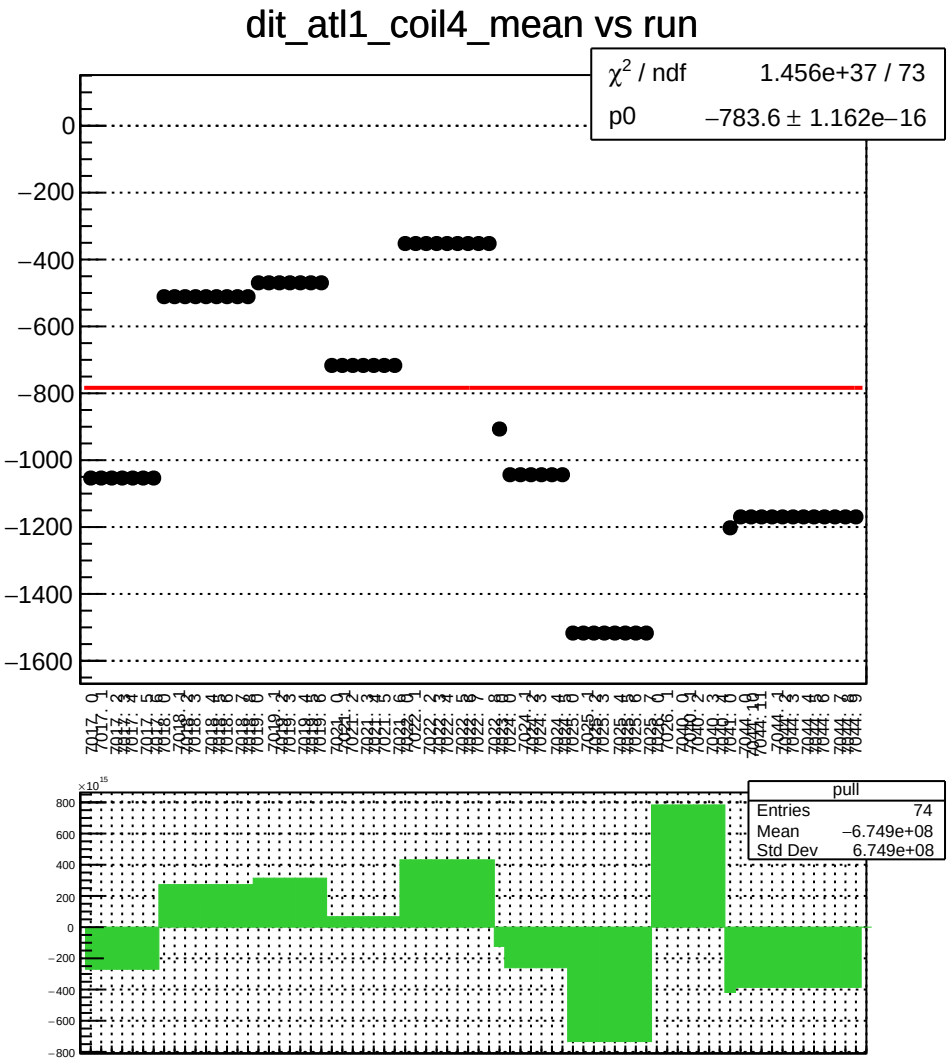

pull1D
Entries 74
Mean 0
Std Dev 0

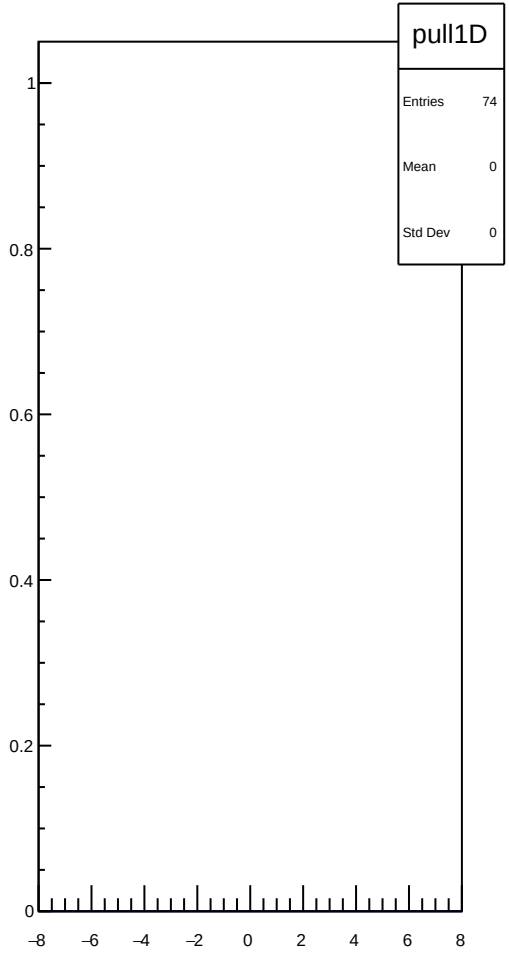

dit_usr_coil4_err_mean vs run
χ² / ndf 1.402e+36 / 73
p0 357.4 ± 1.162e−16
pull
Entries 74
Mean 6.977e+08
Std Dev 6.977e+08
pull1D
Entries 74
Mean 0
Std Dev 0

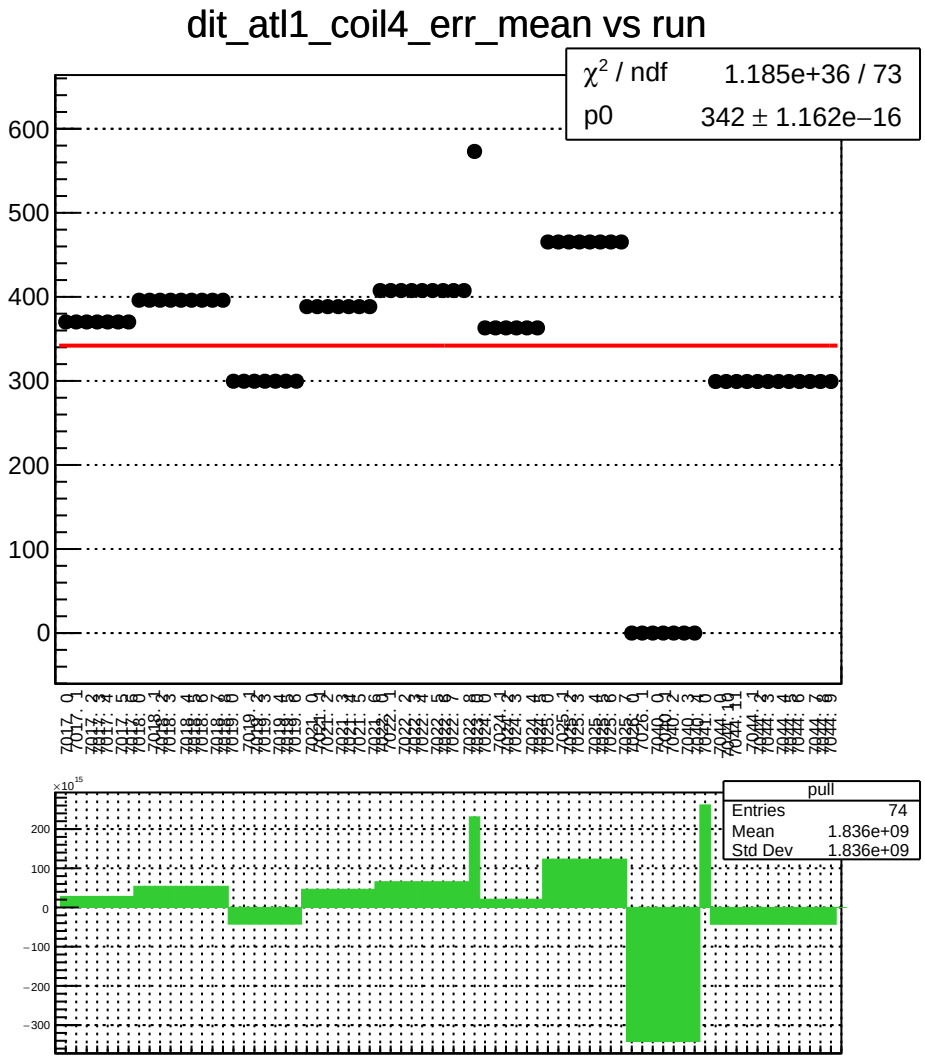
dit_usr_coil4_Ndata_mean vs run

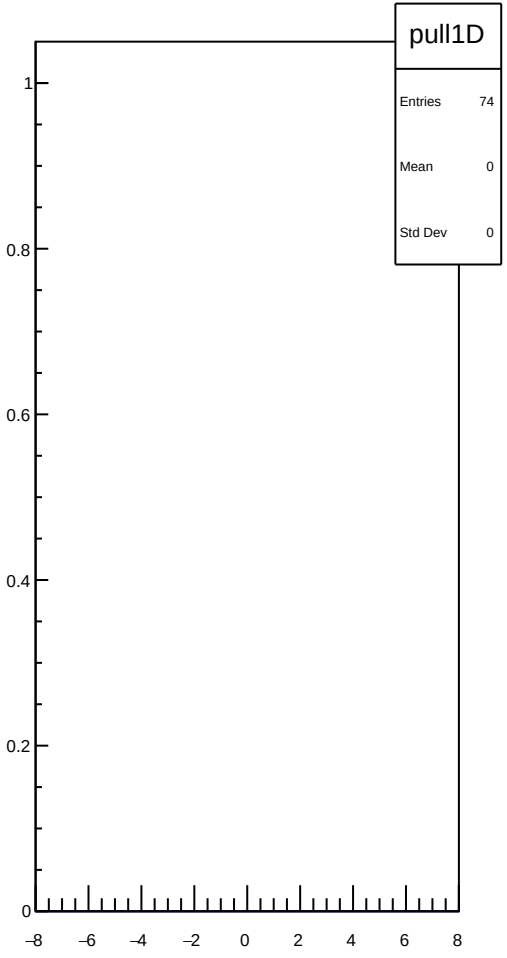




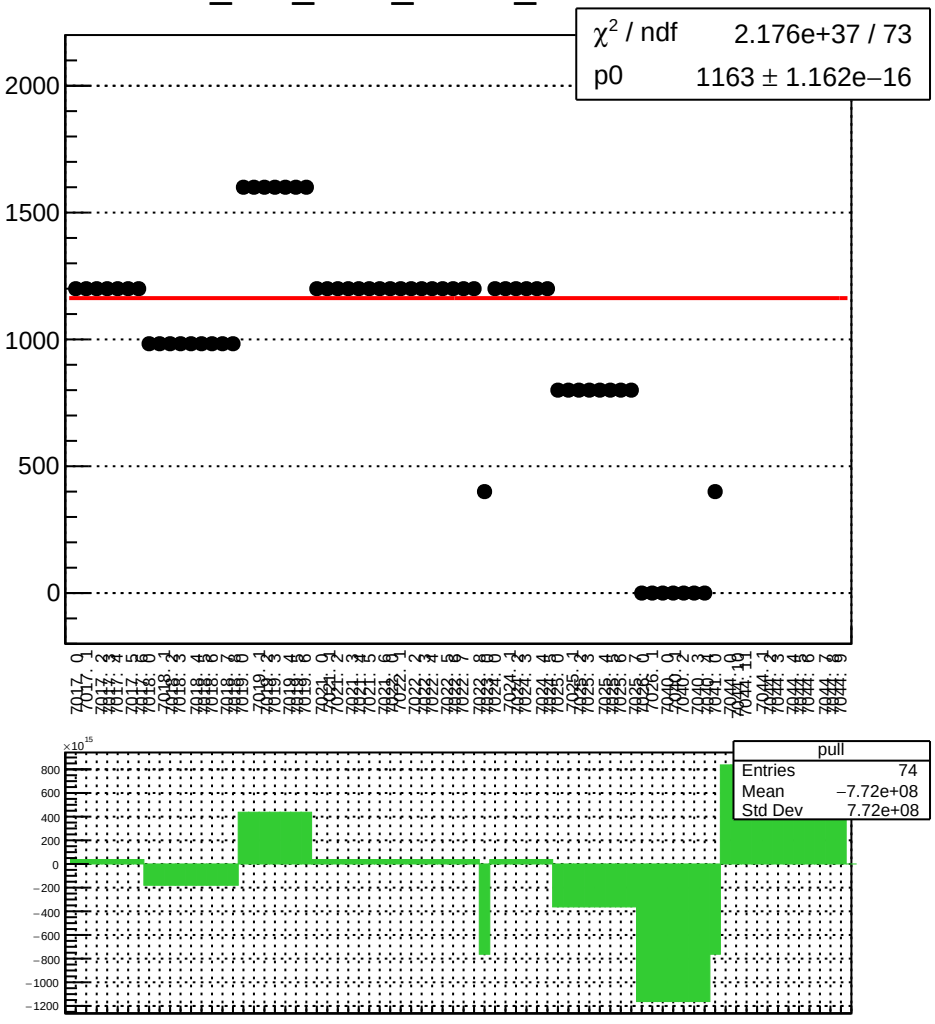

dit_atl1_coil4_mean vs run
χ^2 / ndf 1.456e+37 / 73
p0 −783.6 ± 1.162e−16
pull
Entries 74
Mean −6.749e+08
Std Dev 6.749e+08

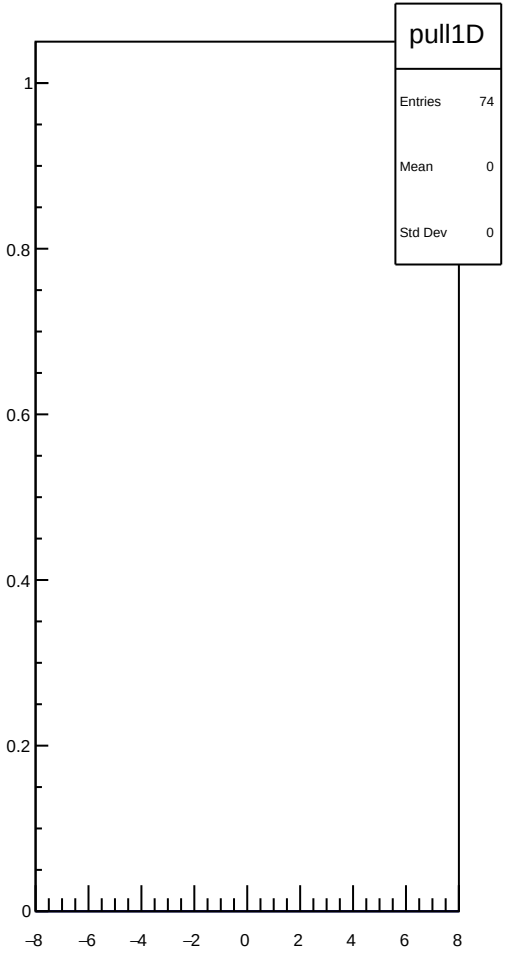

pull1D
Entries 74
Mean 0
Std Dev 0

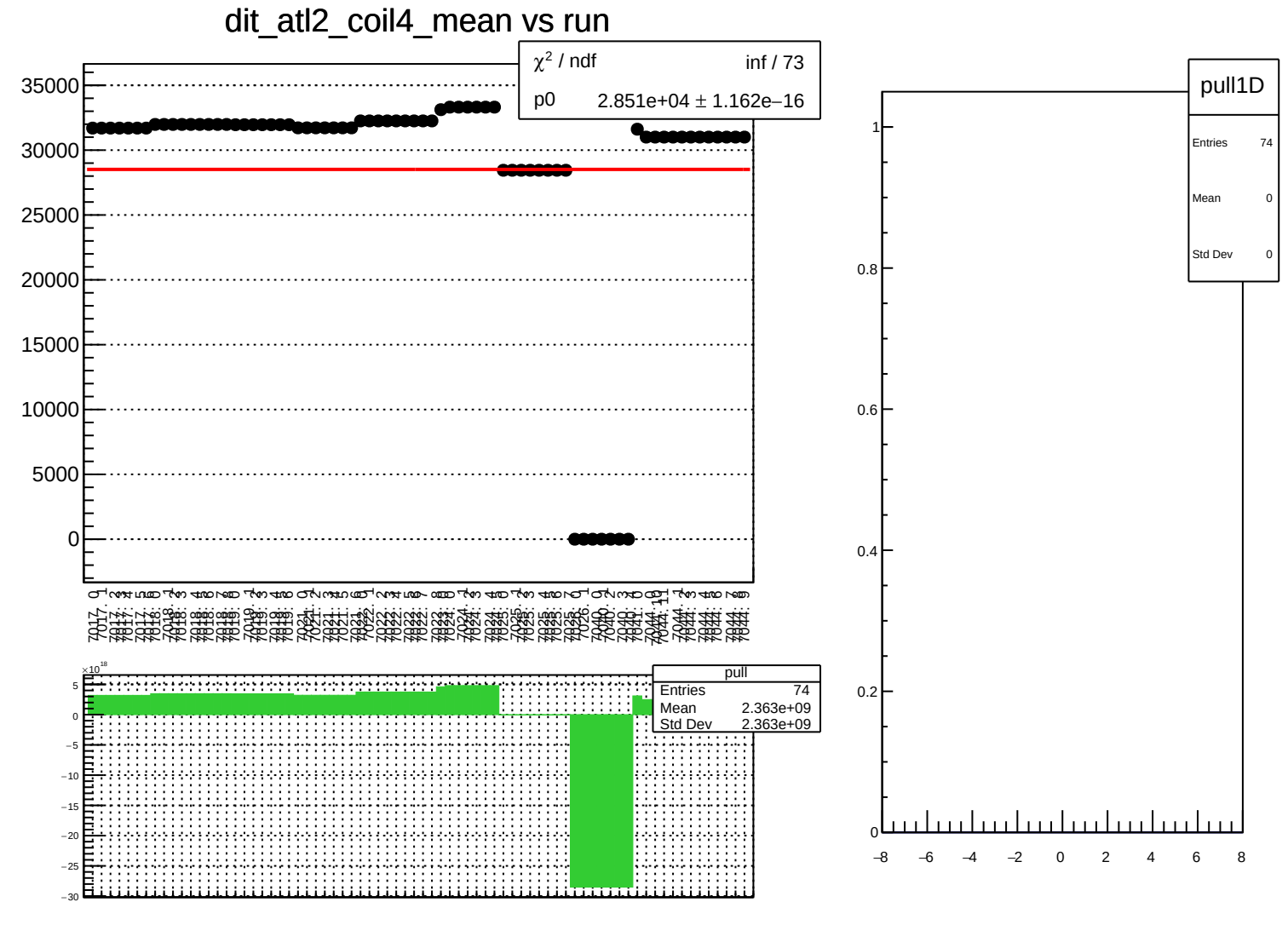

dit_atl1_coil4_err_mean vs run
χ² / ndf 1.185e+36 / 73
p0 342 ± 1.162e−16
600
500
400
300
200
100
0
pull
Entries 74
Mean 1.836e+09
Std Dev 1.836e+09
×10¹⁵
200
100
0
−100
−200
−300

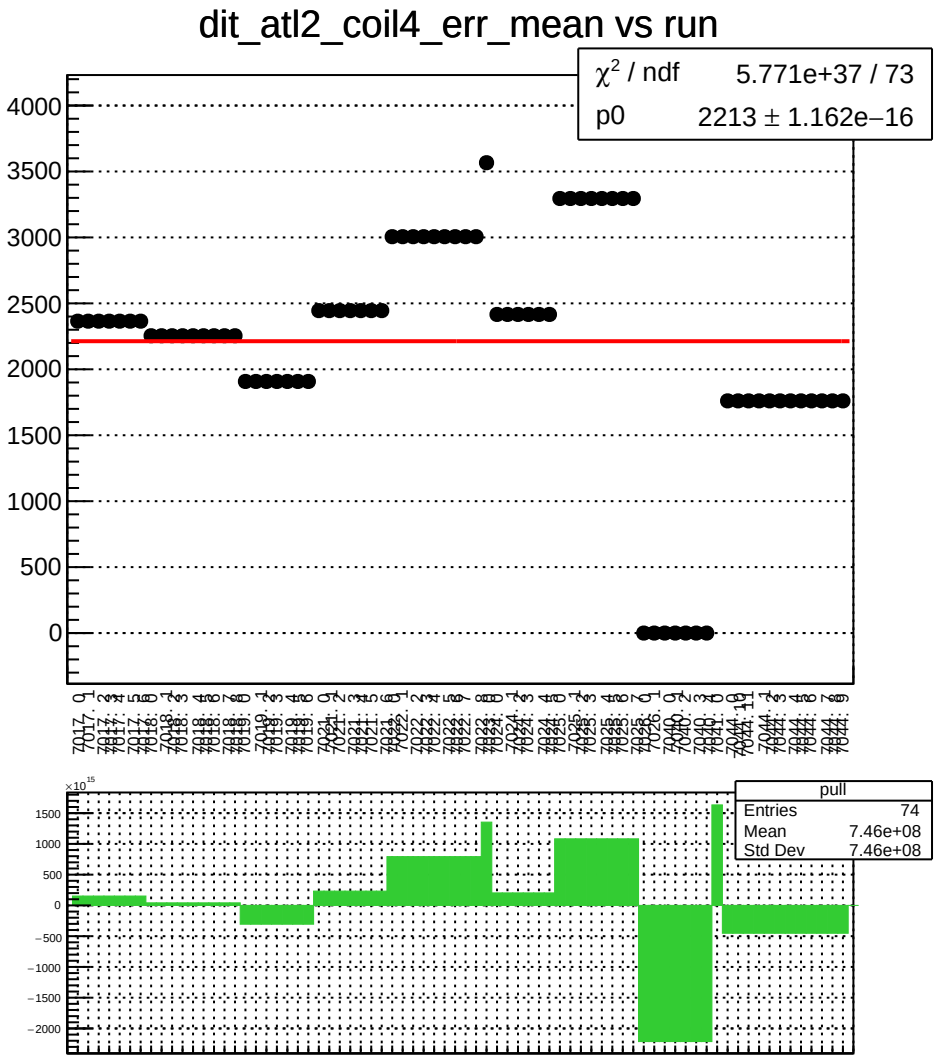

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

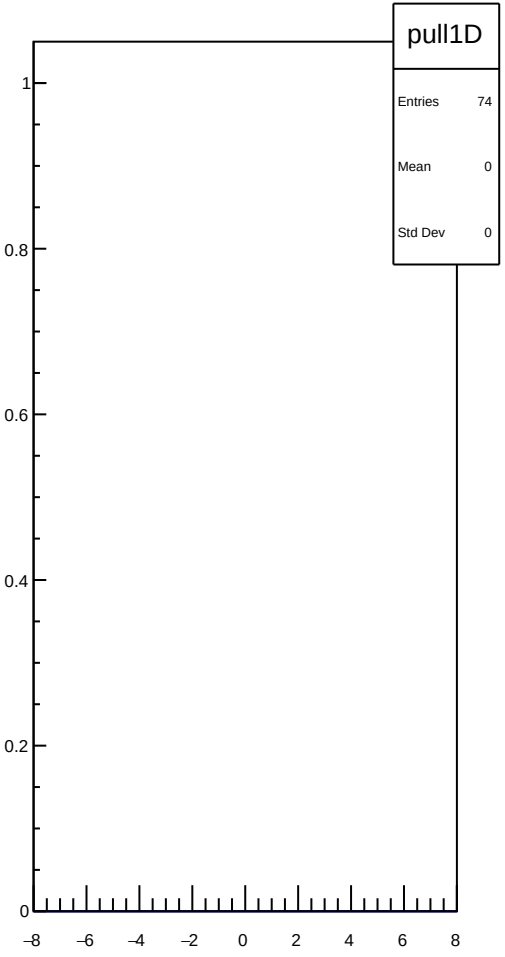
dit_atl1_coil4_Ndata_mean vs run



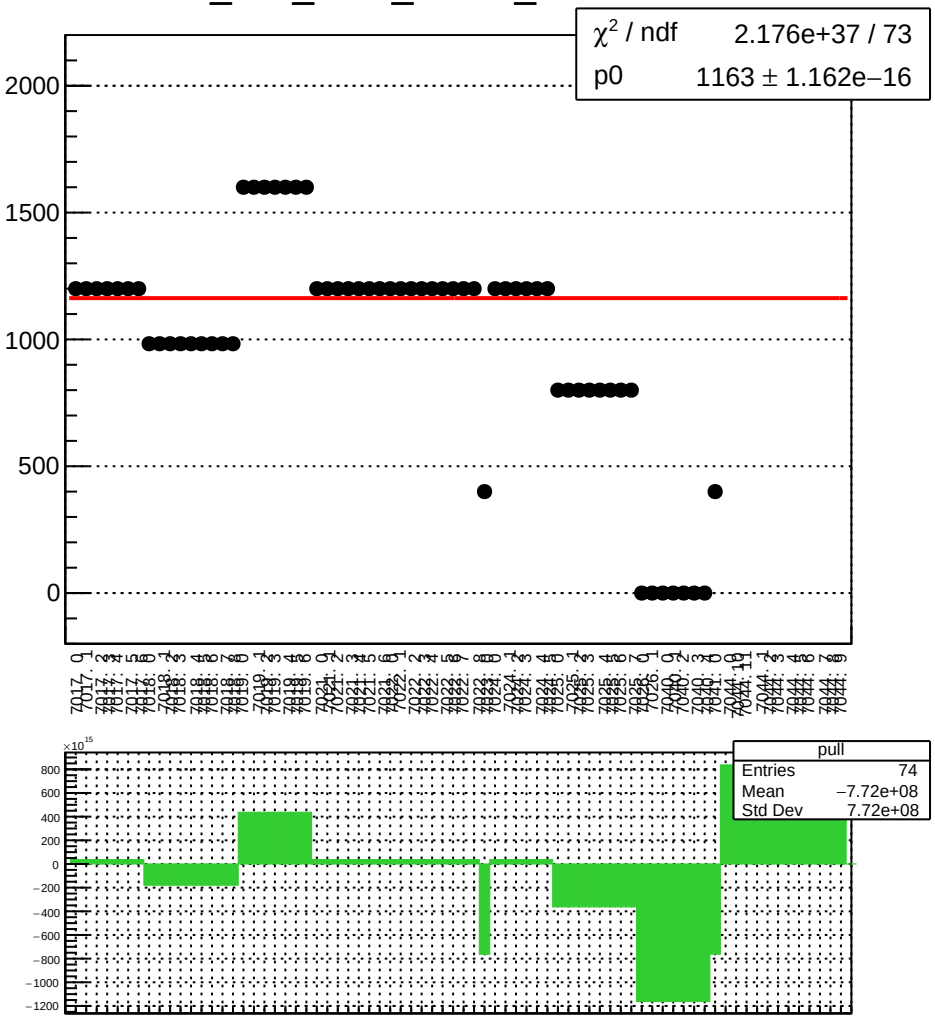


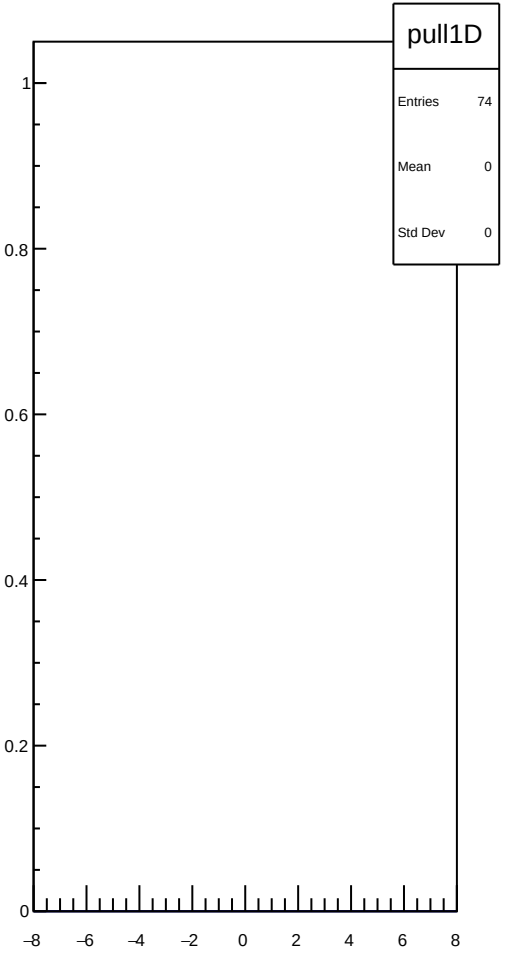

dit_atl2_coil4_mean vs run
χ² / ndf inf / 73
p0 2.851e+04 ± 1.162e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 74
Mean 2.363e+09
Std Dev 2.363e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

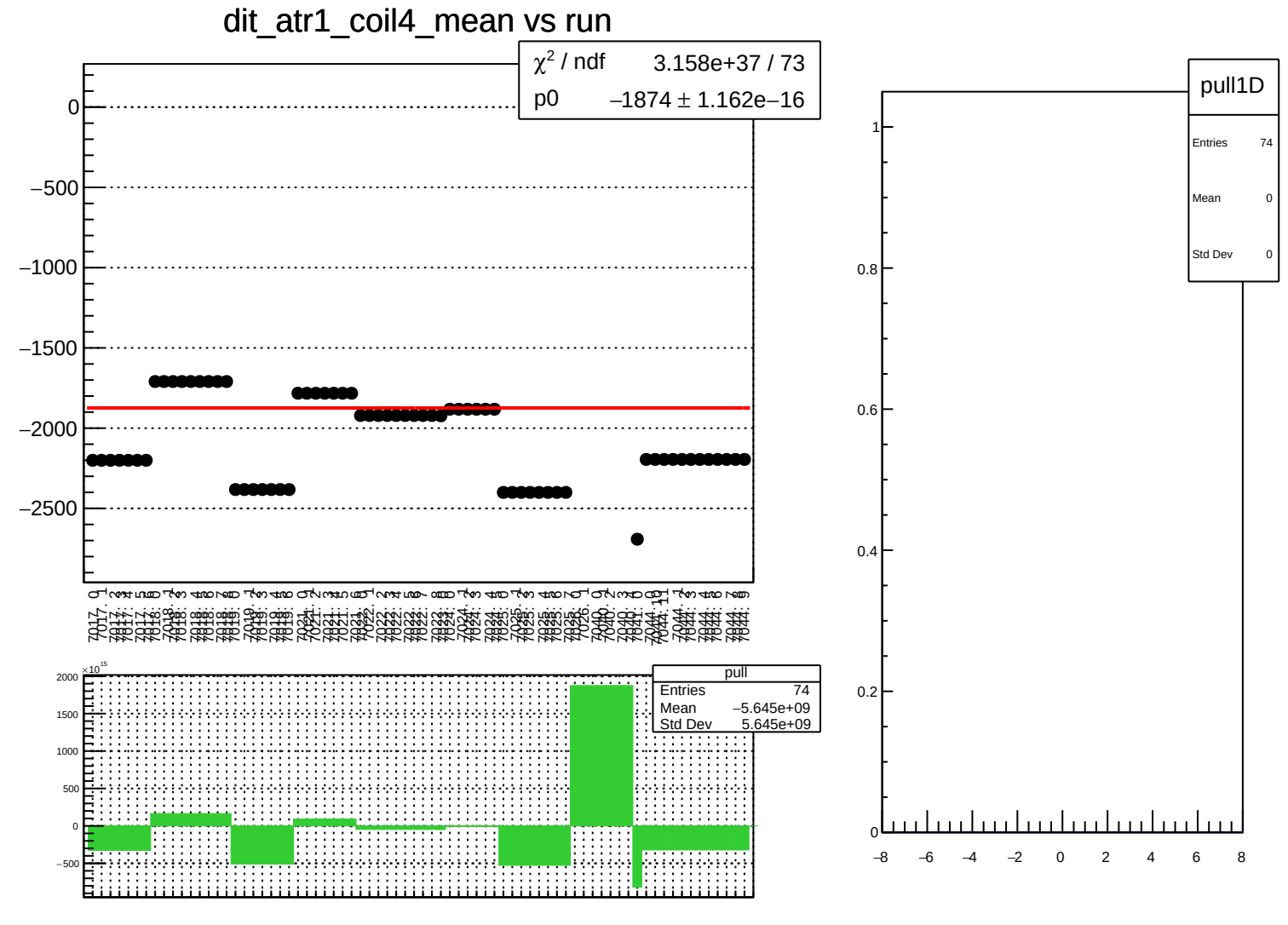

dit_atl2_coil4_err_mean vs run
χ^2 / ndf 5.771e+37 / 73
p0 2213 ± 1.162e−16
pull
Entries 74
Mean 7.46e+08
Std Dev 7.46e+08

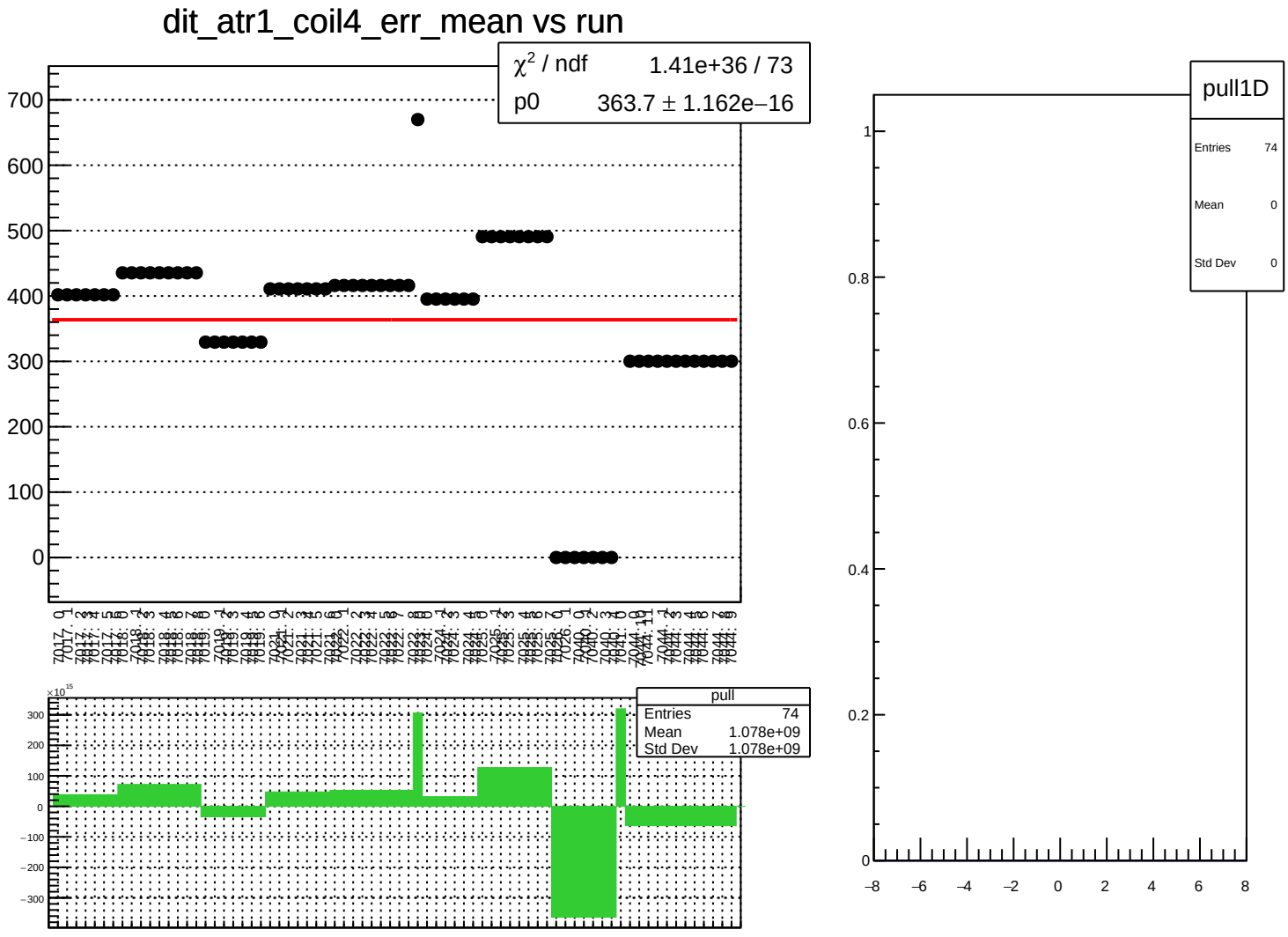

pull1D
Entries 74
Mean 0
Std Dev 0

dit_atl2_coil4_Ndata_mean vs run

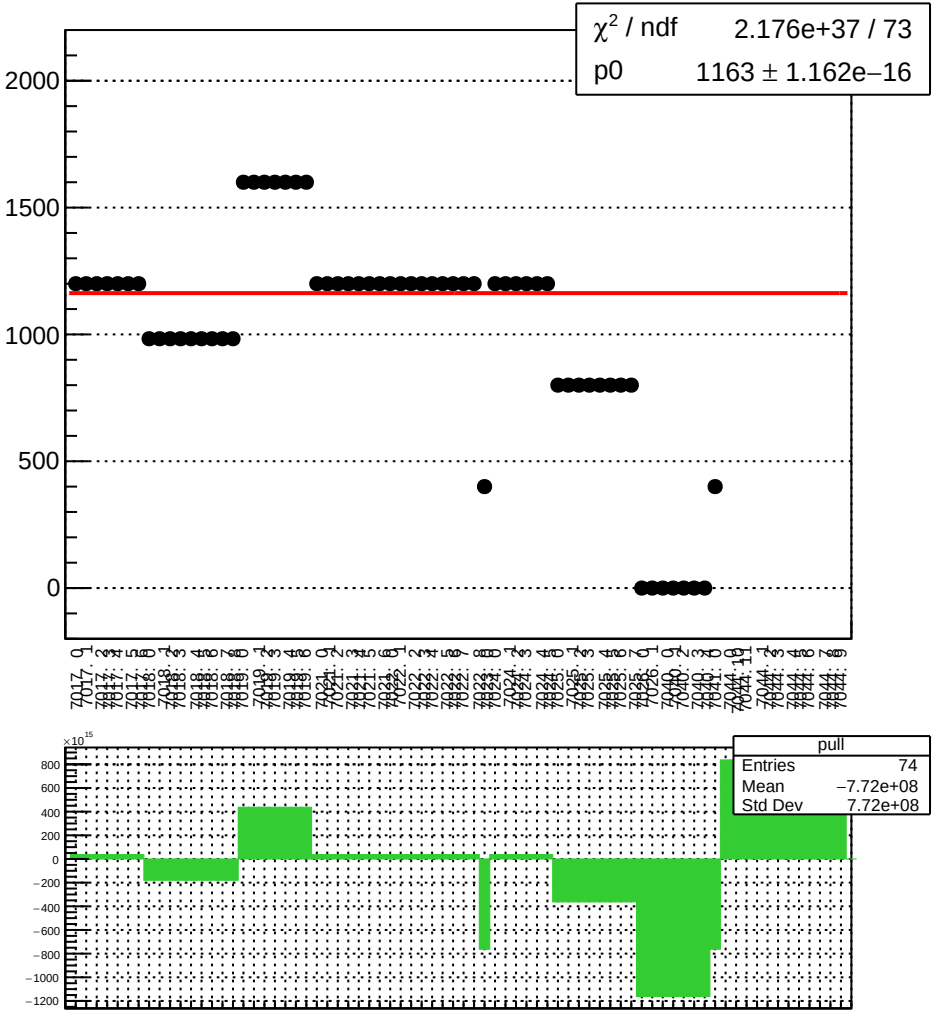


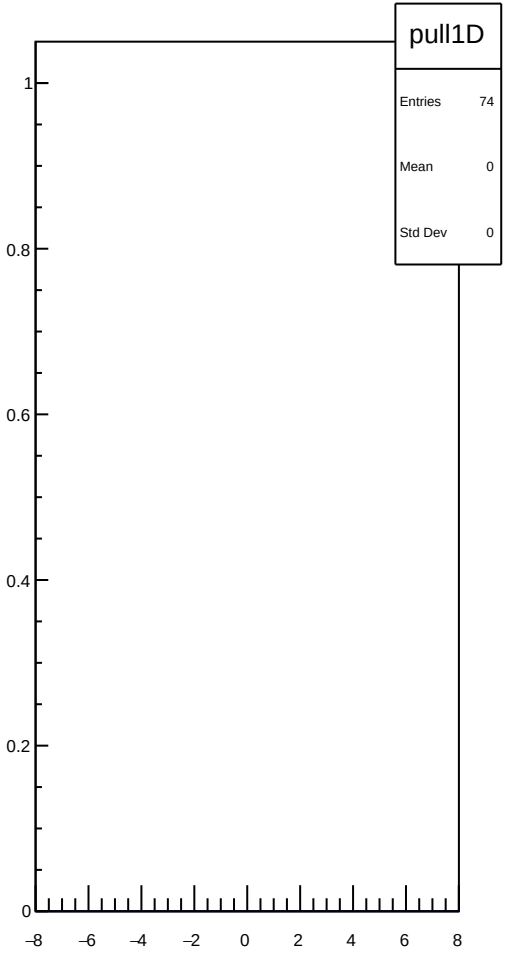


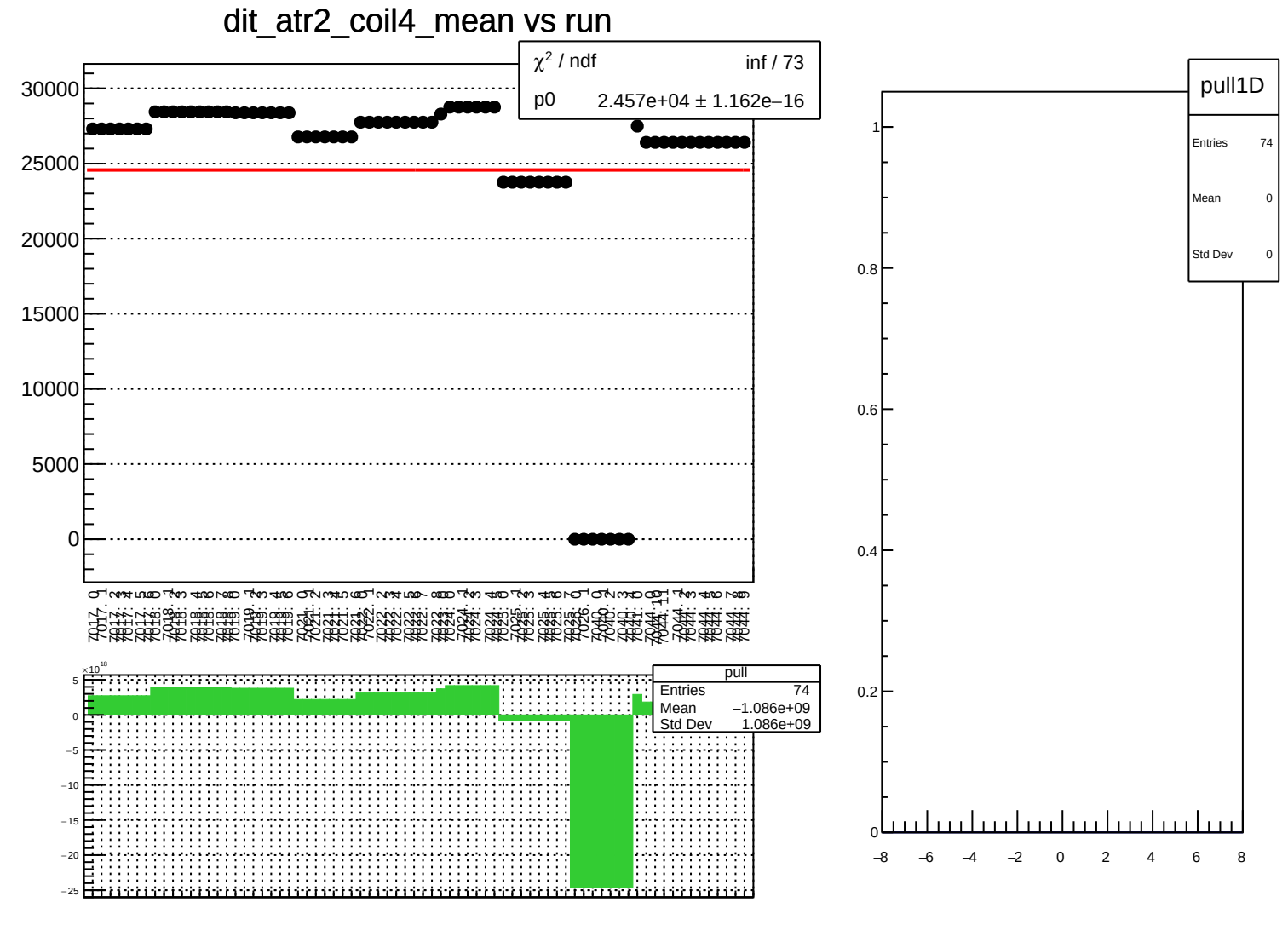

dit_atr1_coil4_mean vs run
χ² / ndf 3.158e+37 / 73
p0 −1874 ± 1.162e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 74
Mean −5.645e+09
Std Dev 5.645e+09
×10¹⁵
2000
1500
1000
500
0
−500
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

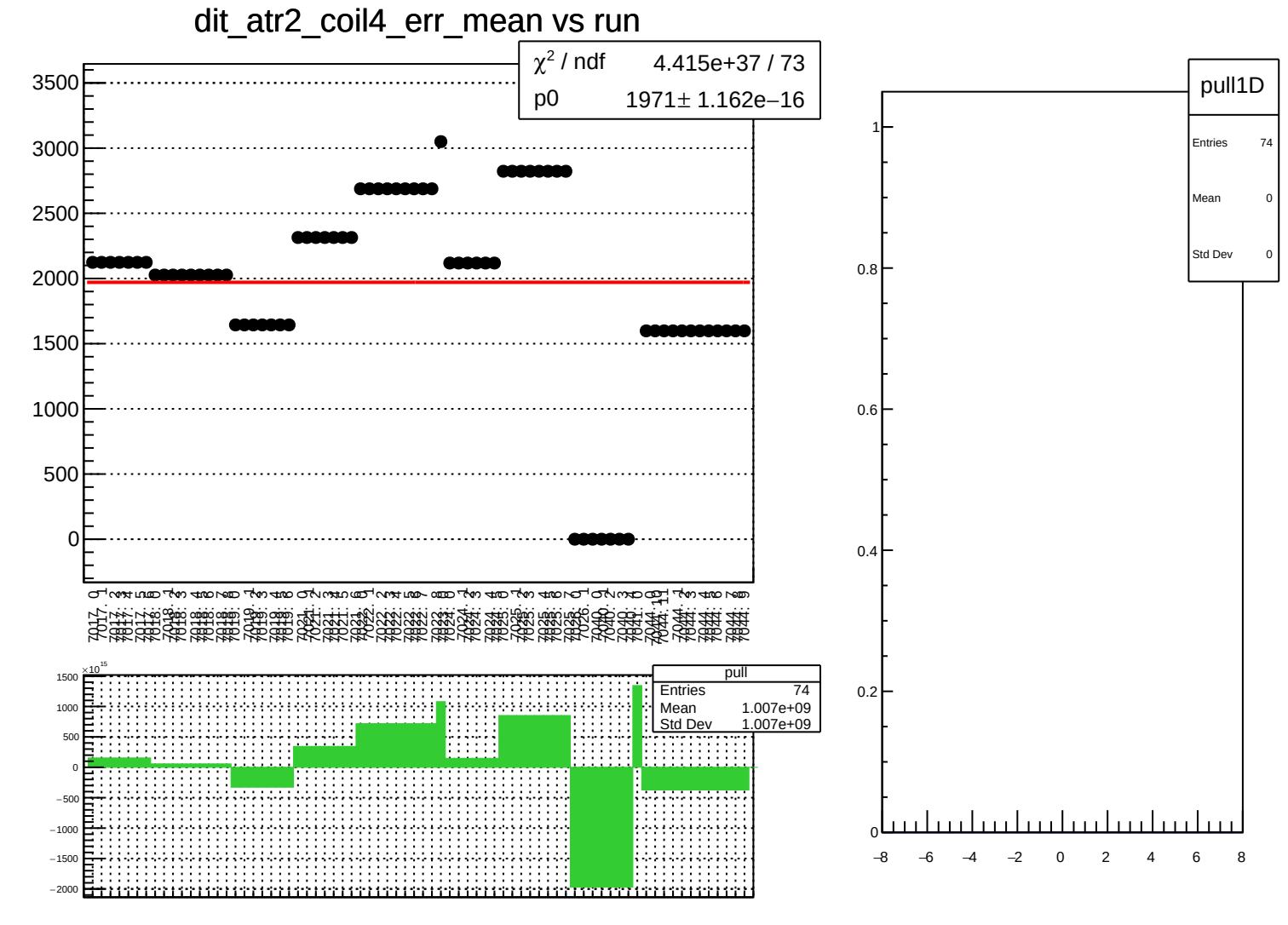

dit_atr1_coil4_err_mean vs run
χ² / ndf 1.41e+36 / 73
p0 363.7 ± 1.162e−16
pull
Entries 74
Mean 1.078e+09
Std Dev 1.078e+09
pull1D
Entries 74
Mean 0
Std Dev 0

dit_atr1_coil4_Ndata_mean vs run

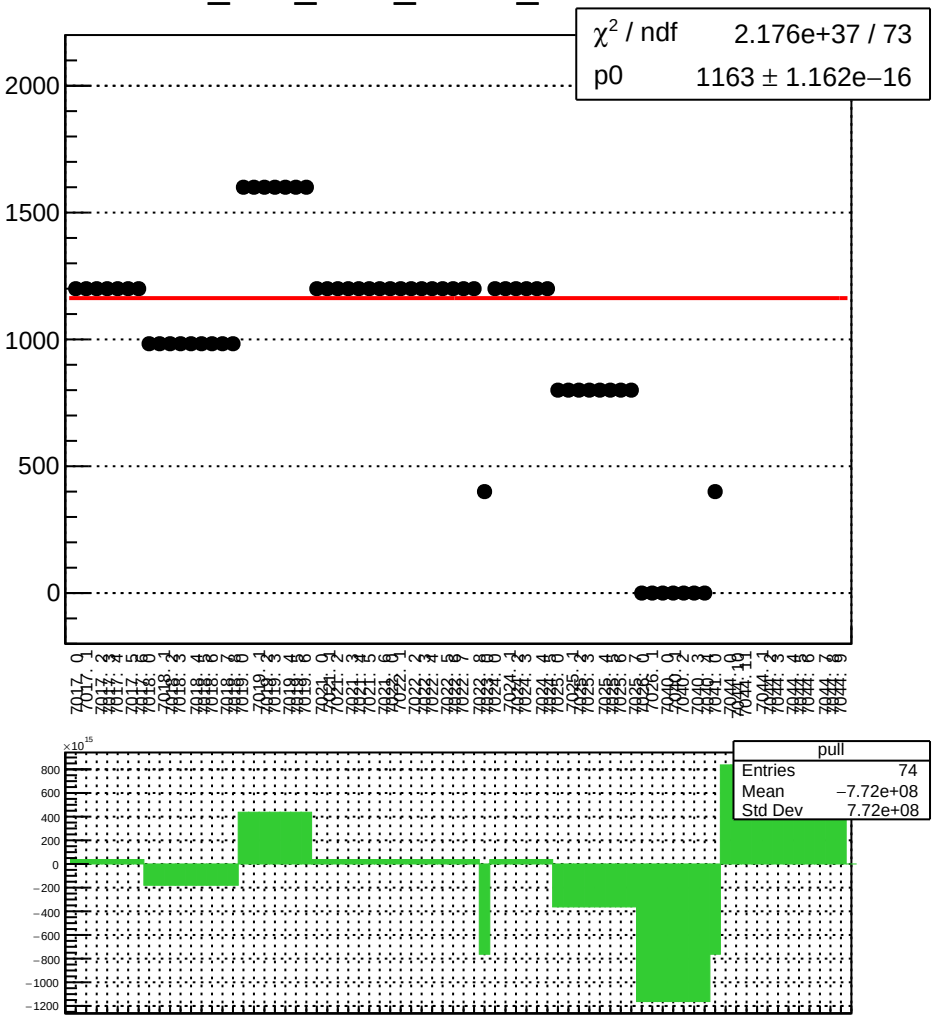


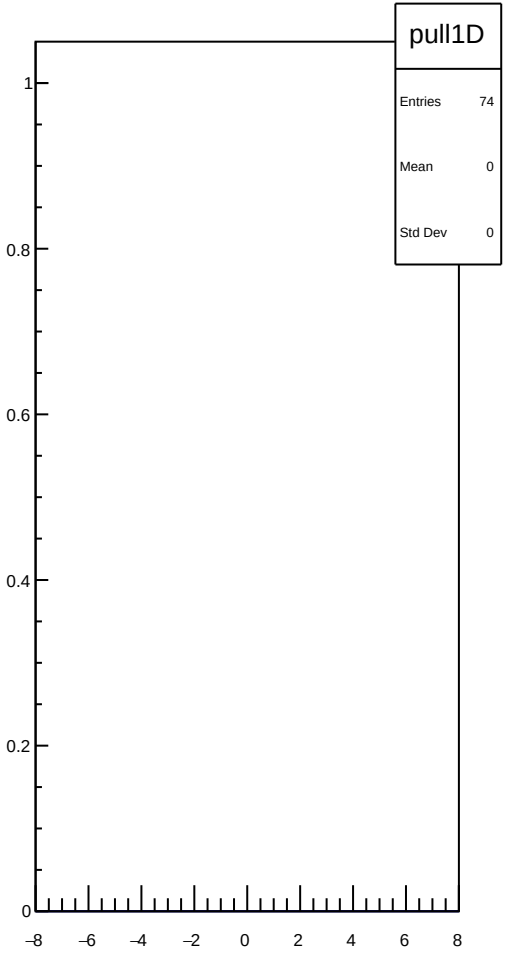


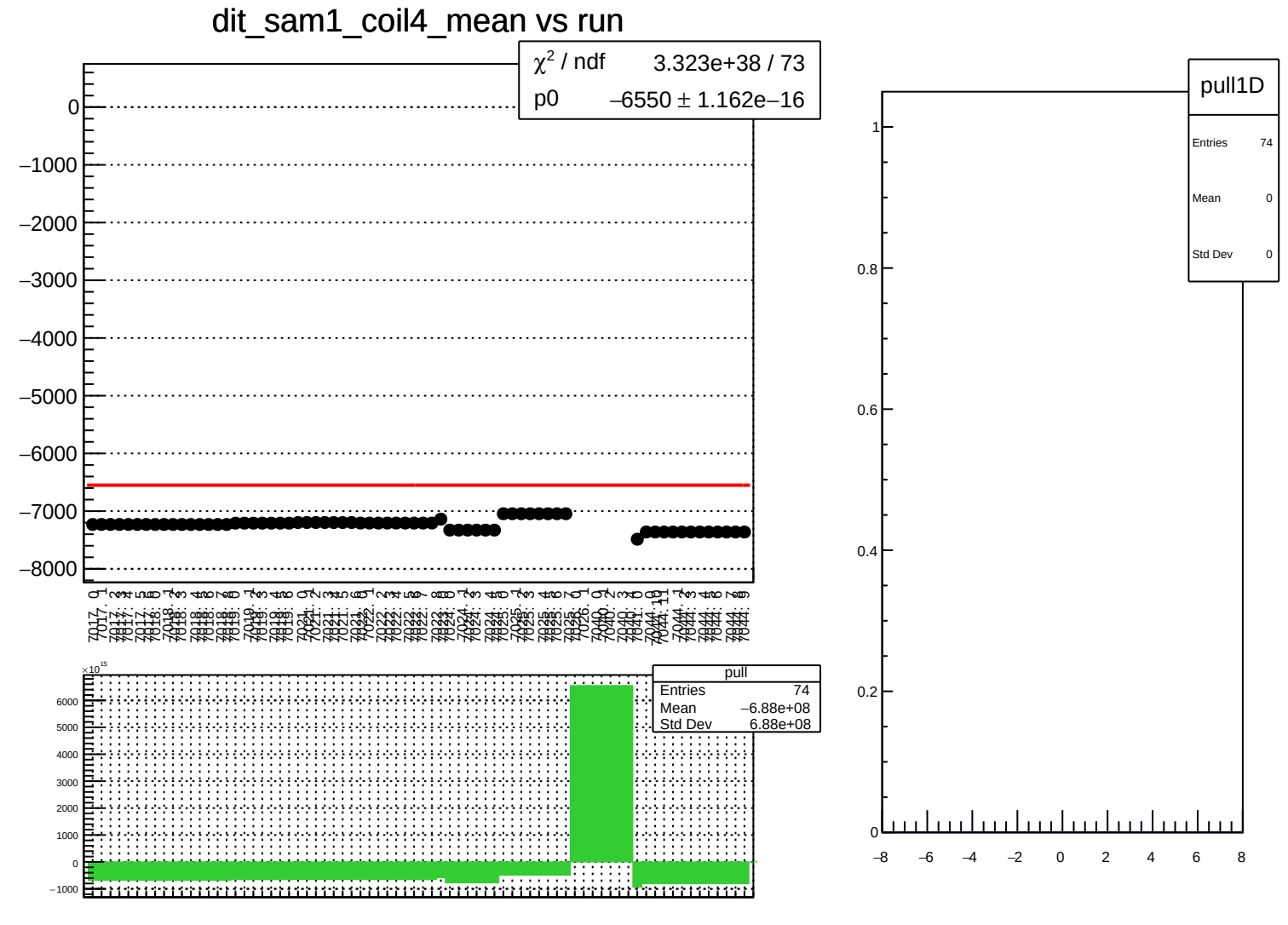

dit_atr2_coil4_mean vs run
χ² / ndf inf / 73
p0 2.457e+04 ± 1.162e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 74
Mean −1.086e+09
Std Dev 1.086e+09
×10^18
5
0
−5
−10
−15
−20
−25
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil4_err_mean vs run
χ² / ndf 4.415e+37 / 73
p0 1971± 1.162e−16
pull
Entries 74
Mean 1.007e+09
Std Dev 1.007e+09
pull1D
Entries 74
Mean 0
Std Dev 0

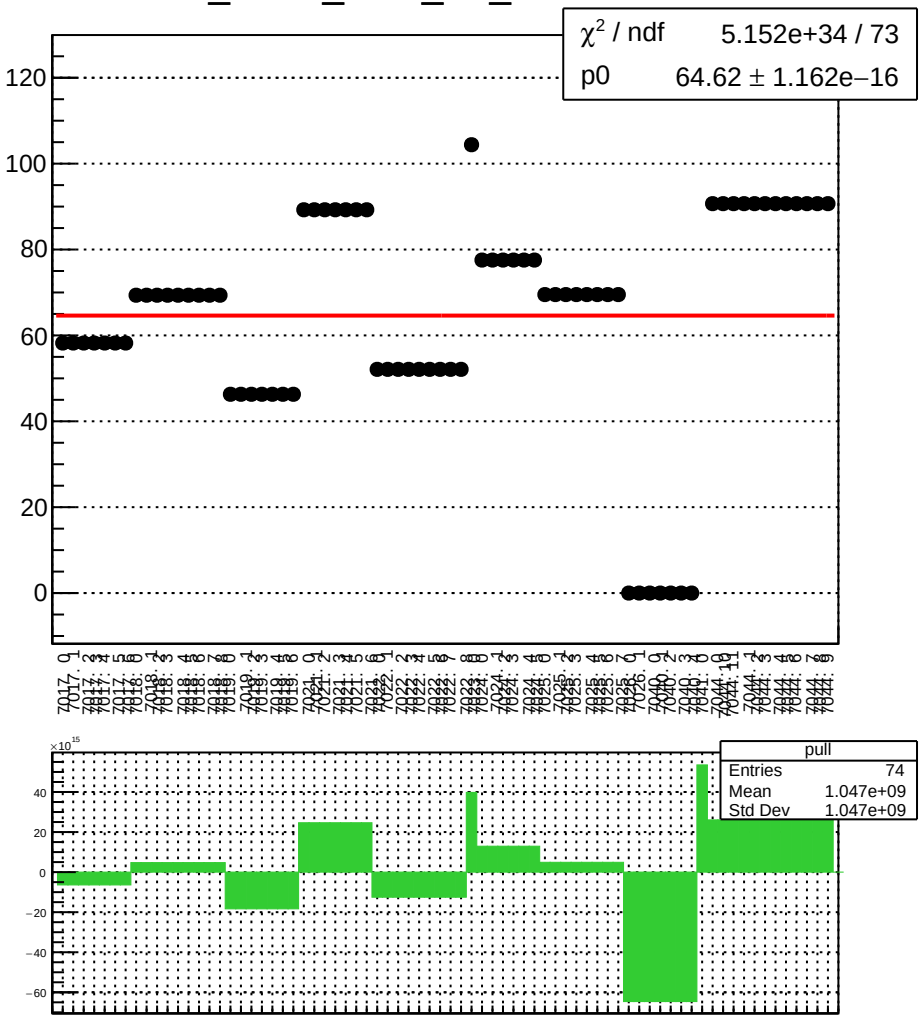
dit_atr2_coil4_Ndata_mean vs run

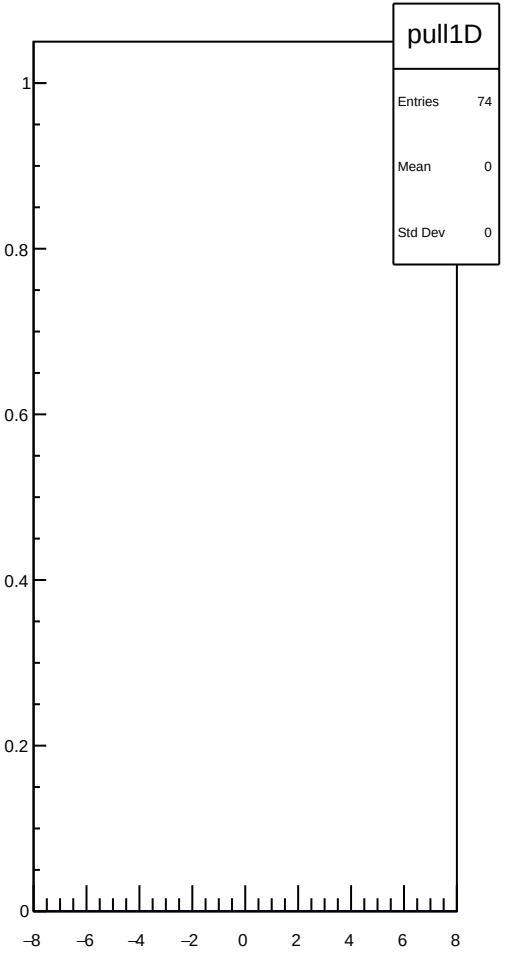




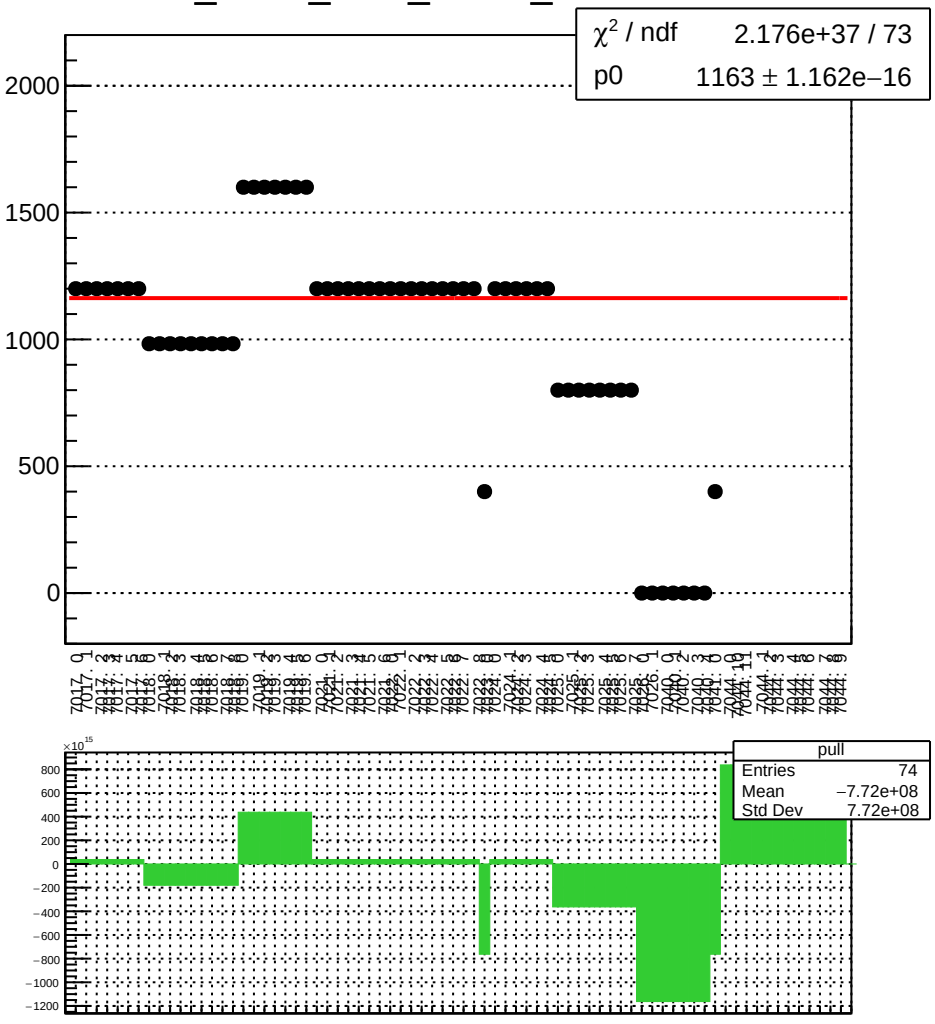

dit_sam1_coil4_mean vs run
χ² / ndf 3.323e+38 / 73
p0 –6550 ± 1.162e–16
pull
Entries 74
Mean –6.88e+08
Std Dev 6.88e+08
pull1D
Entries 74
Mean 0
Std Dev 0

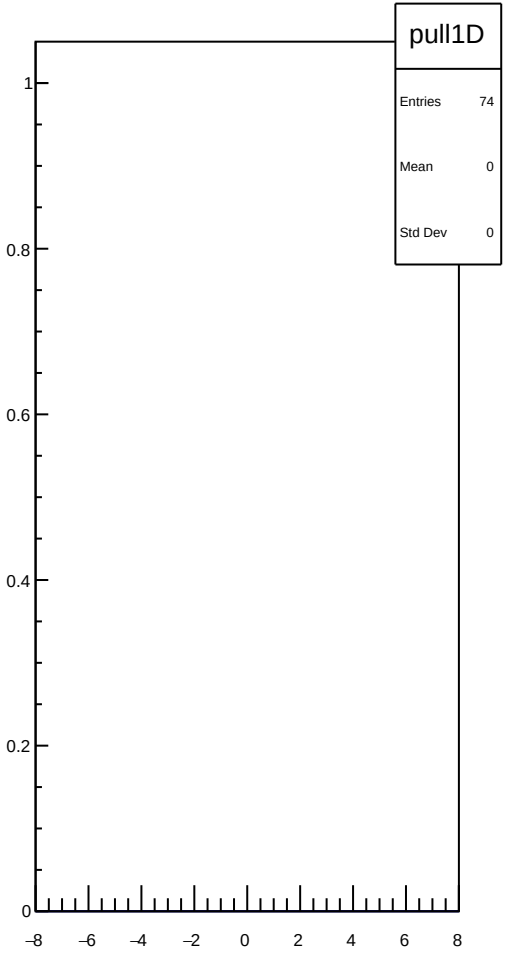
dit_sam1_coil4_err_mean vs run

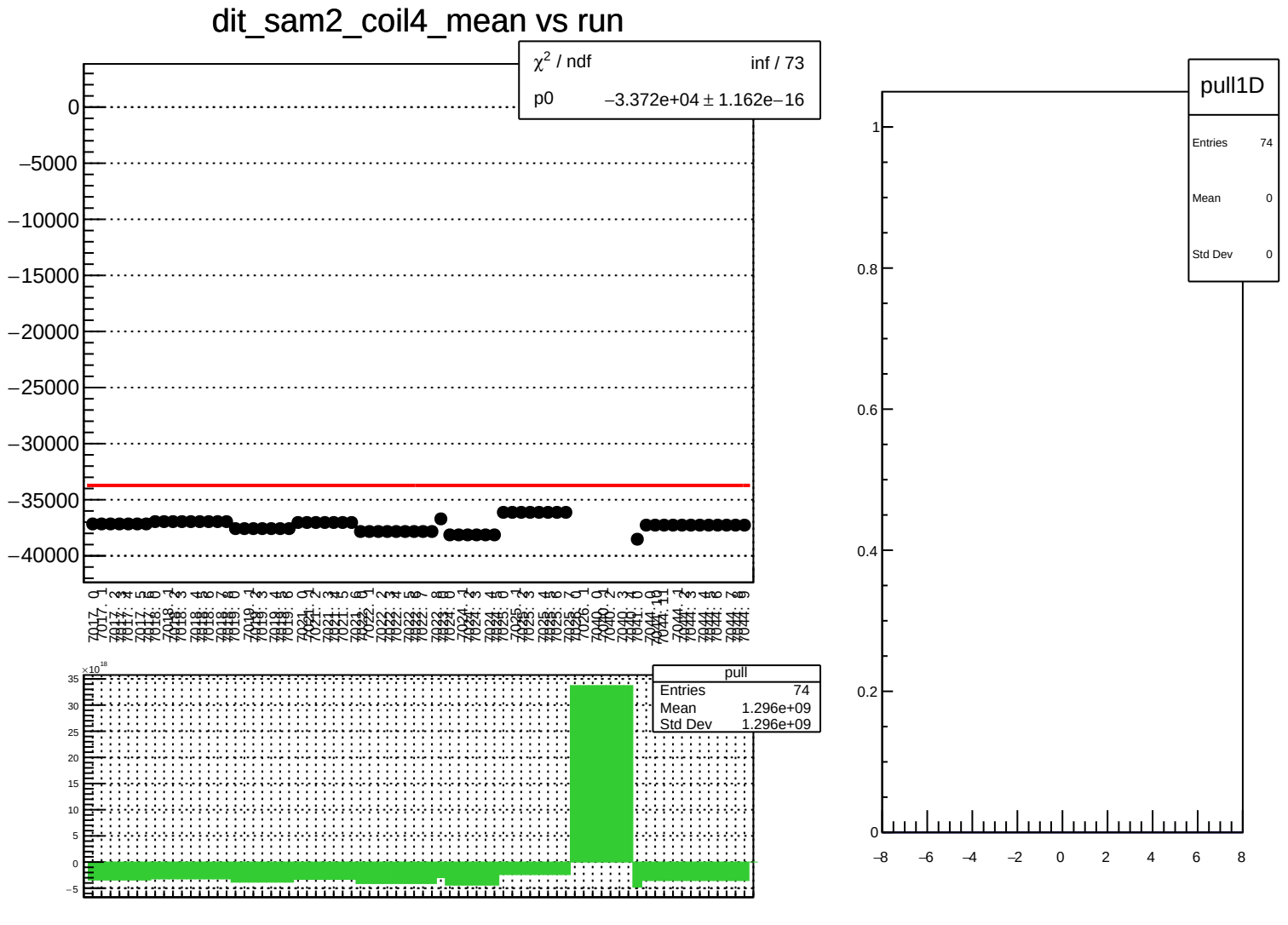


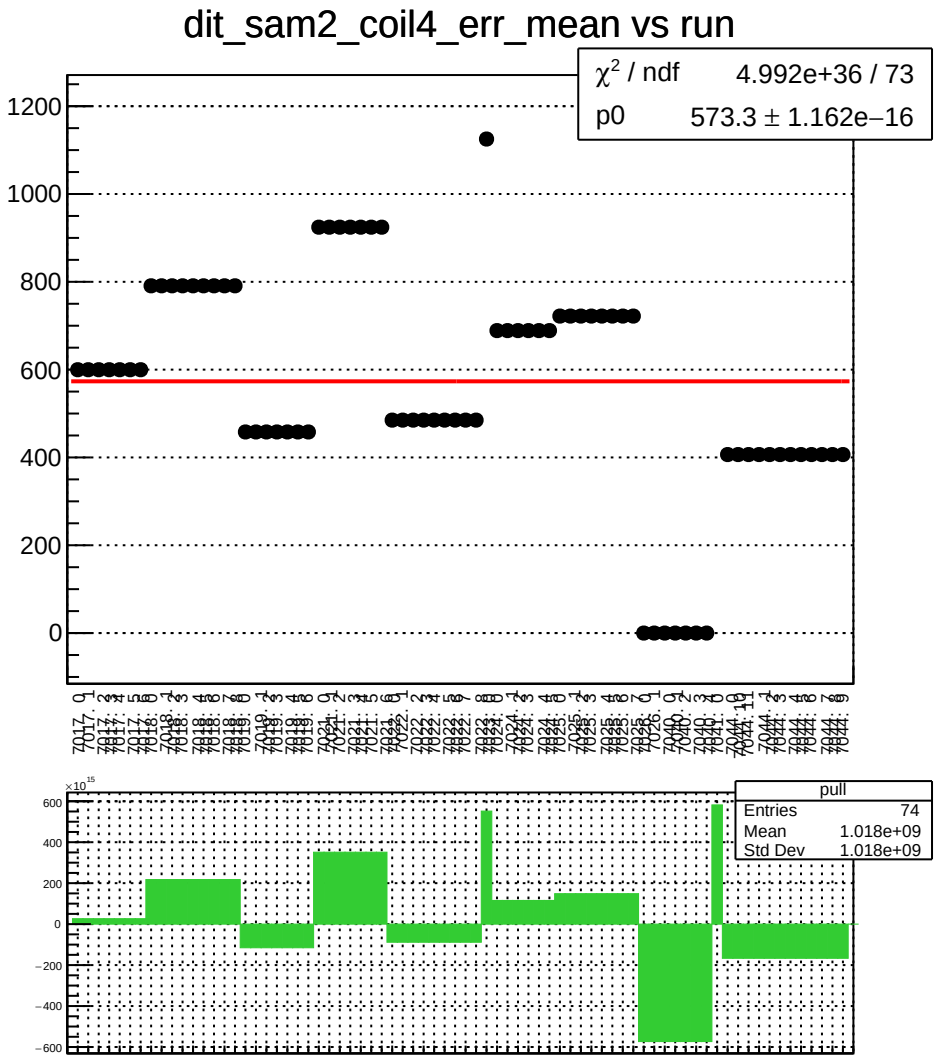


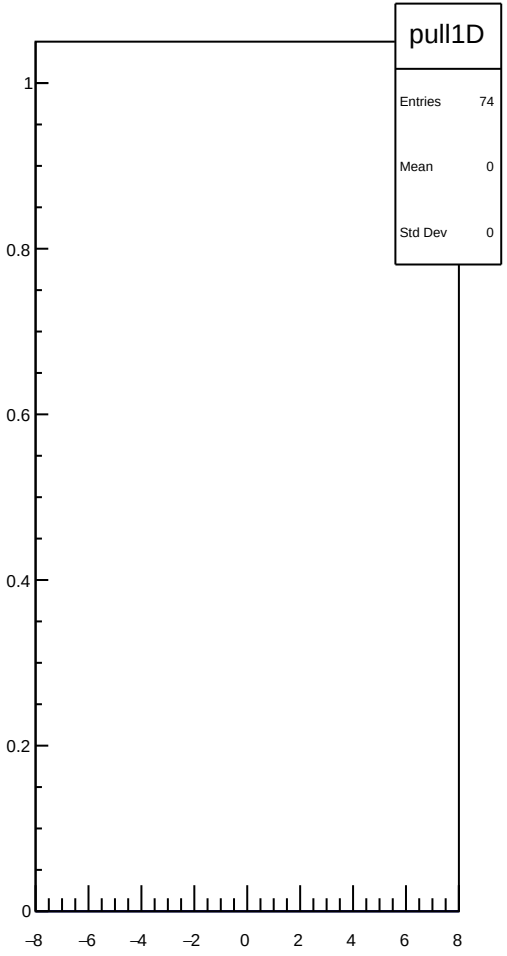
dit_sam1_coil4_Ndata_mean vs run



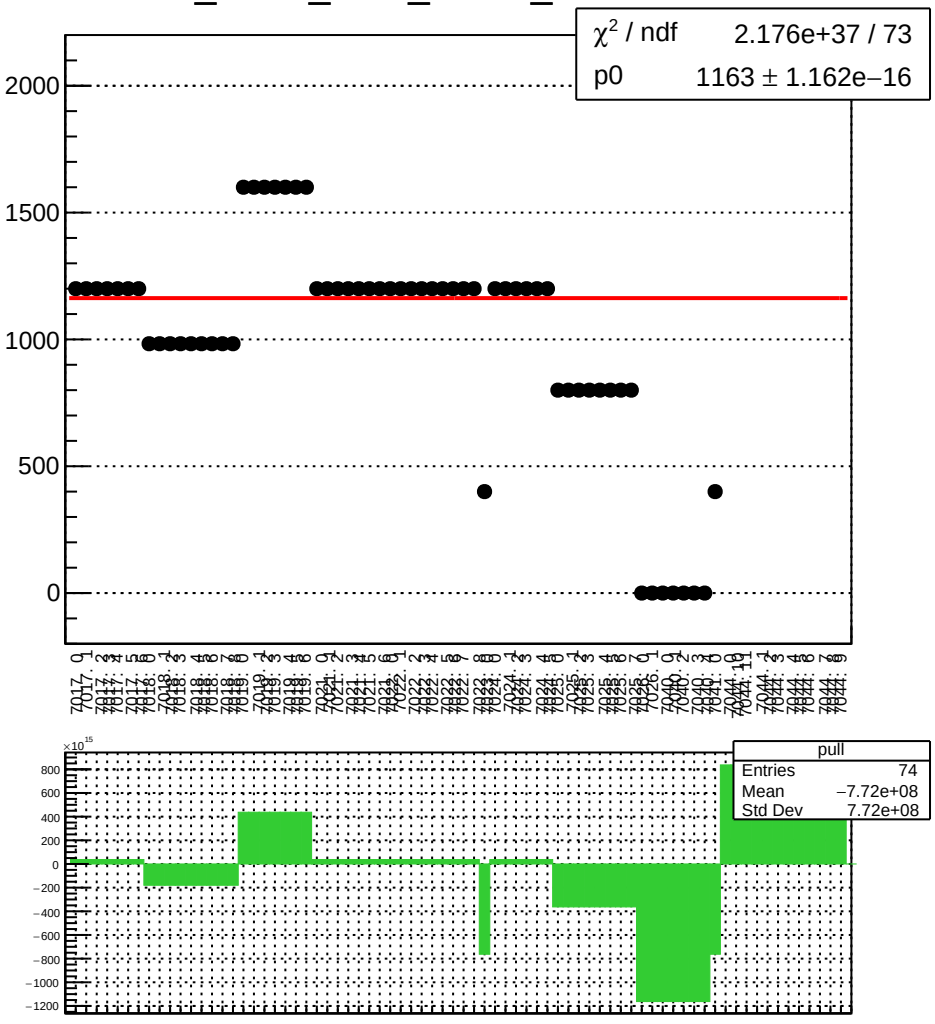


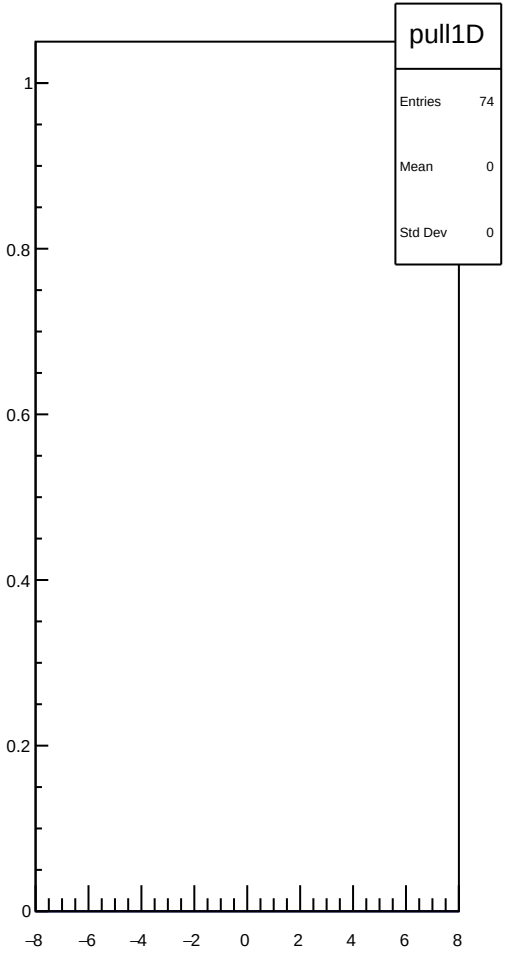

dit_sam2_coil4_mean vs run
χ² / ndf inf / 73
p0 −3.372e+04 ± 1.162e−16
pull
Entries 74
Mean 1.296e+09
Std Dev 1.296e+09
pull1D
Entries 74
Mean 0
Std Dev 0

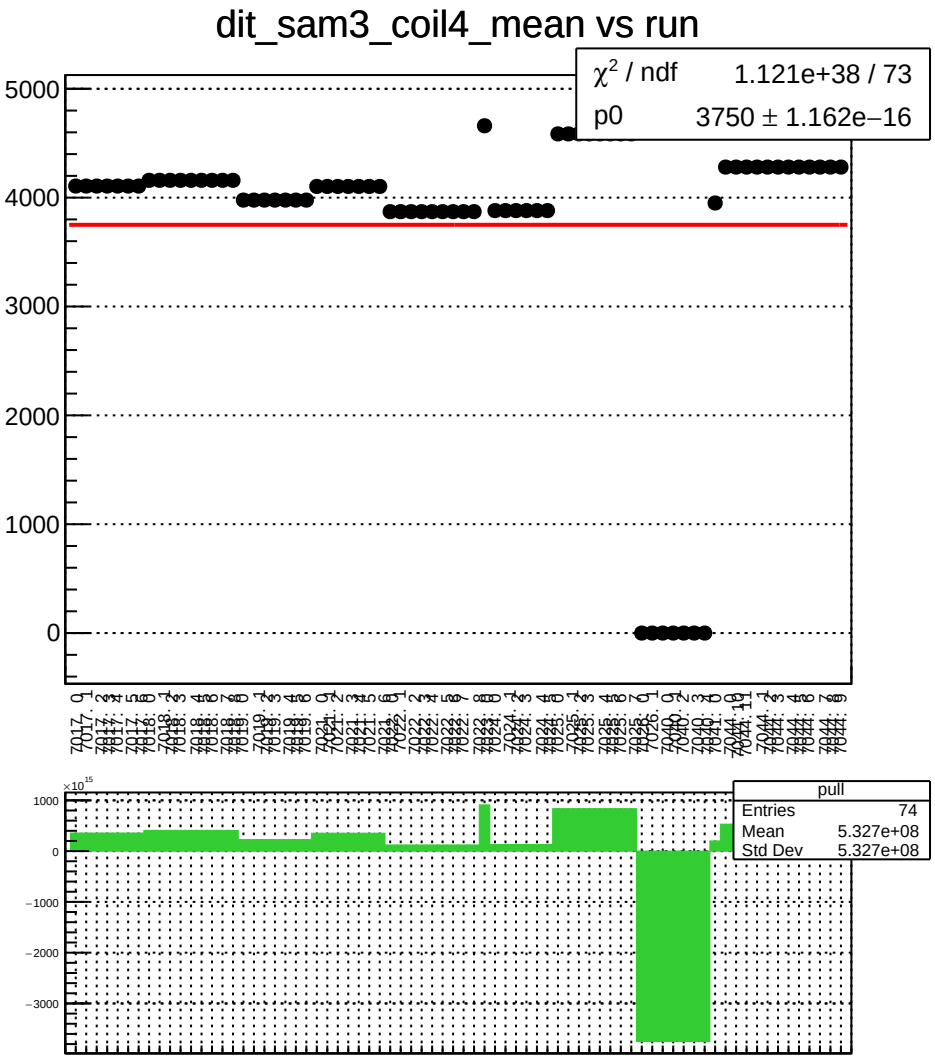

dit_sam2_coil4_err_mean vs run
χ^2 / ndf 4.992e+36 / 73
p0 573.3 ± 1.162e−16
1200
1000
800
600
400
200
0
pull
Entries 74
Mean 1.018e+09
Std Dev 1.018e+09
600
400
200
0
−200
−400
−600

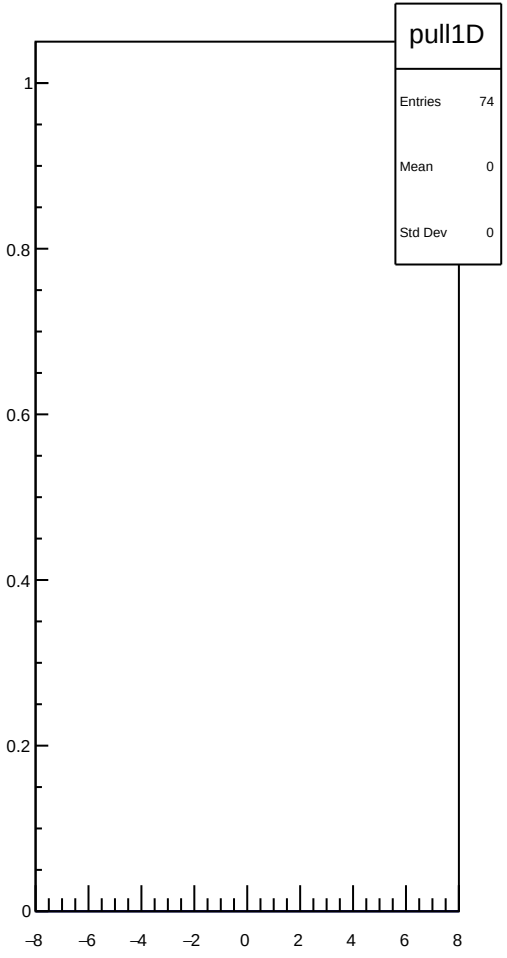

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

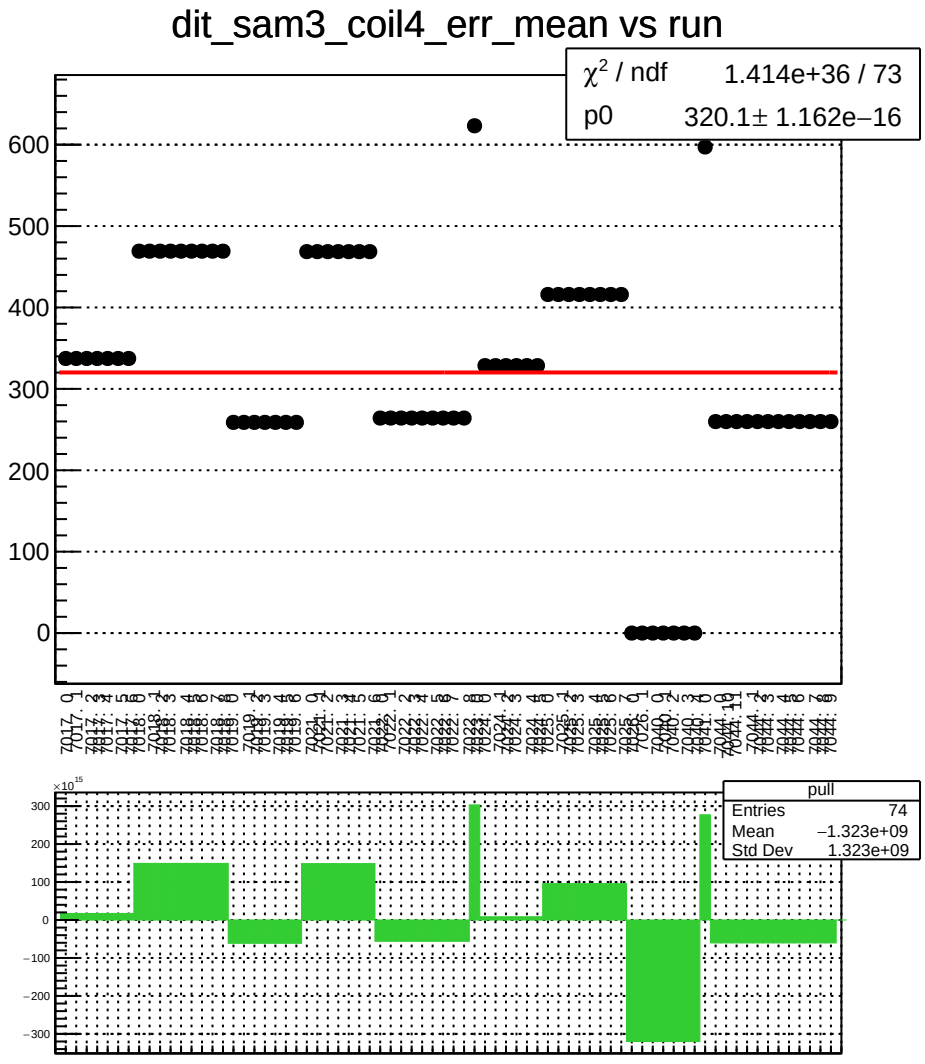
dit_sam2_coil4_Ndata_mean vs run

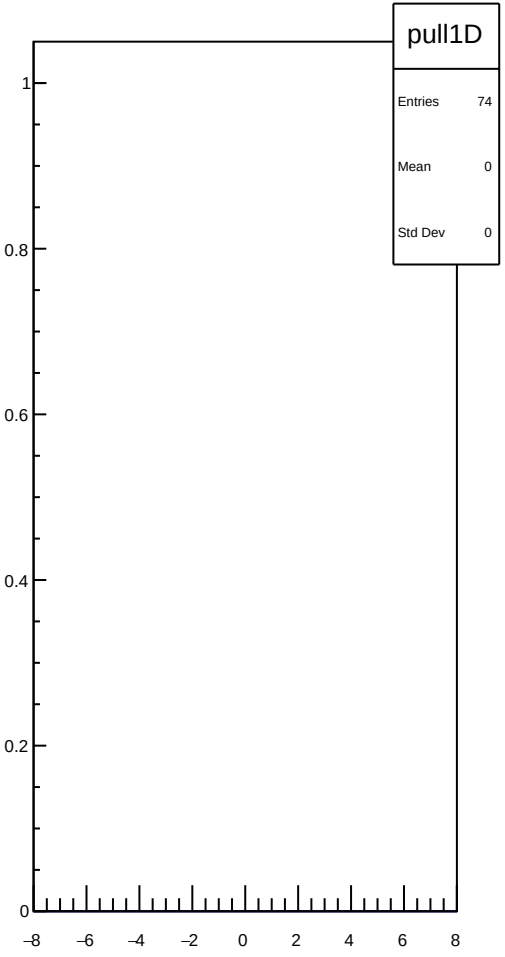


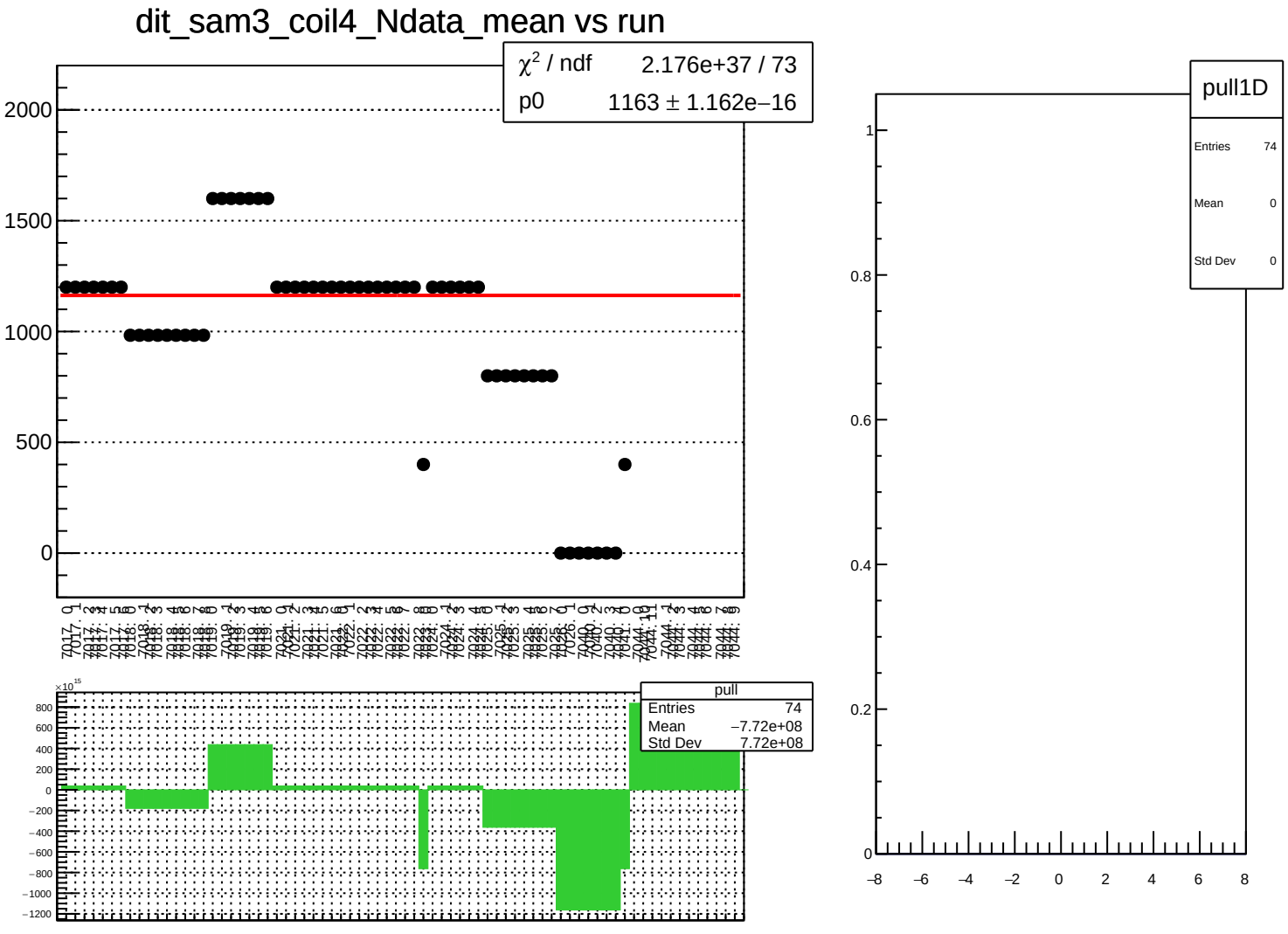


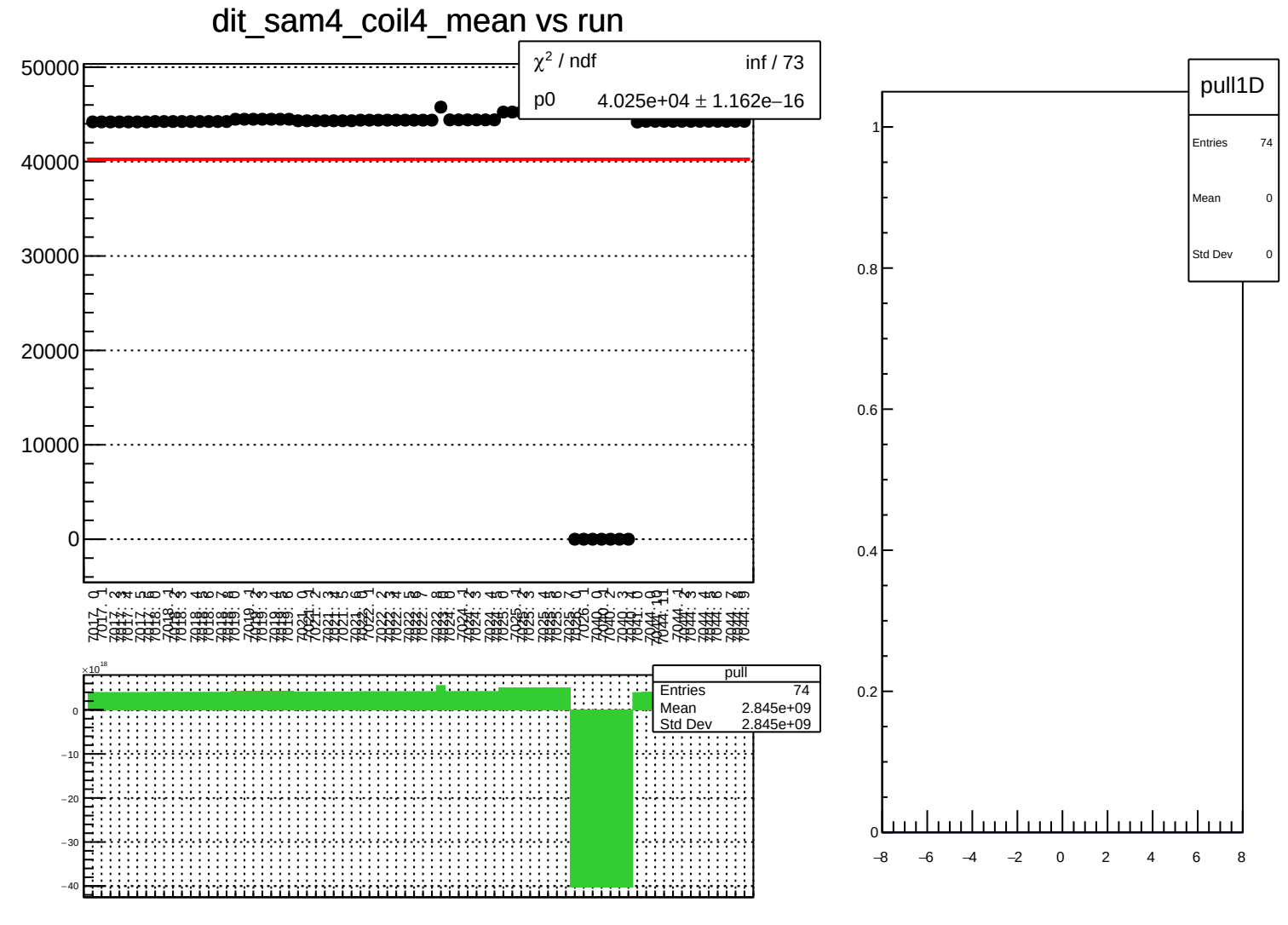

dit_sam3_coil4_mean vs run
χ^2 / ndf 1.121e+38 / 73
p0 3750 ± 1.162e−16
5000
4000
3000
2000
1000
0
pull
Entries 74
Mean 5.327e+08
Std Dev 5.327e+08
1000
0
−1000
−2000
−3000

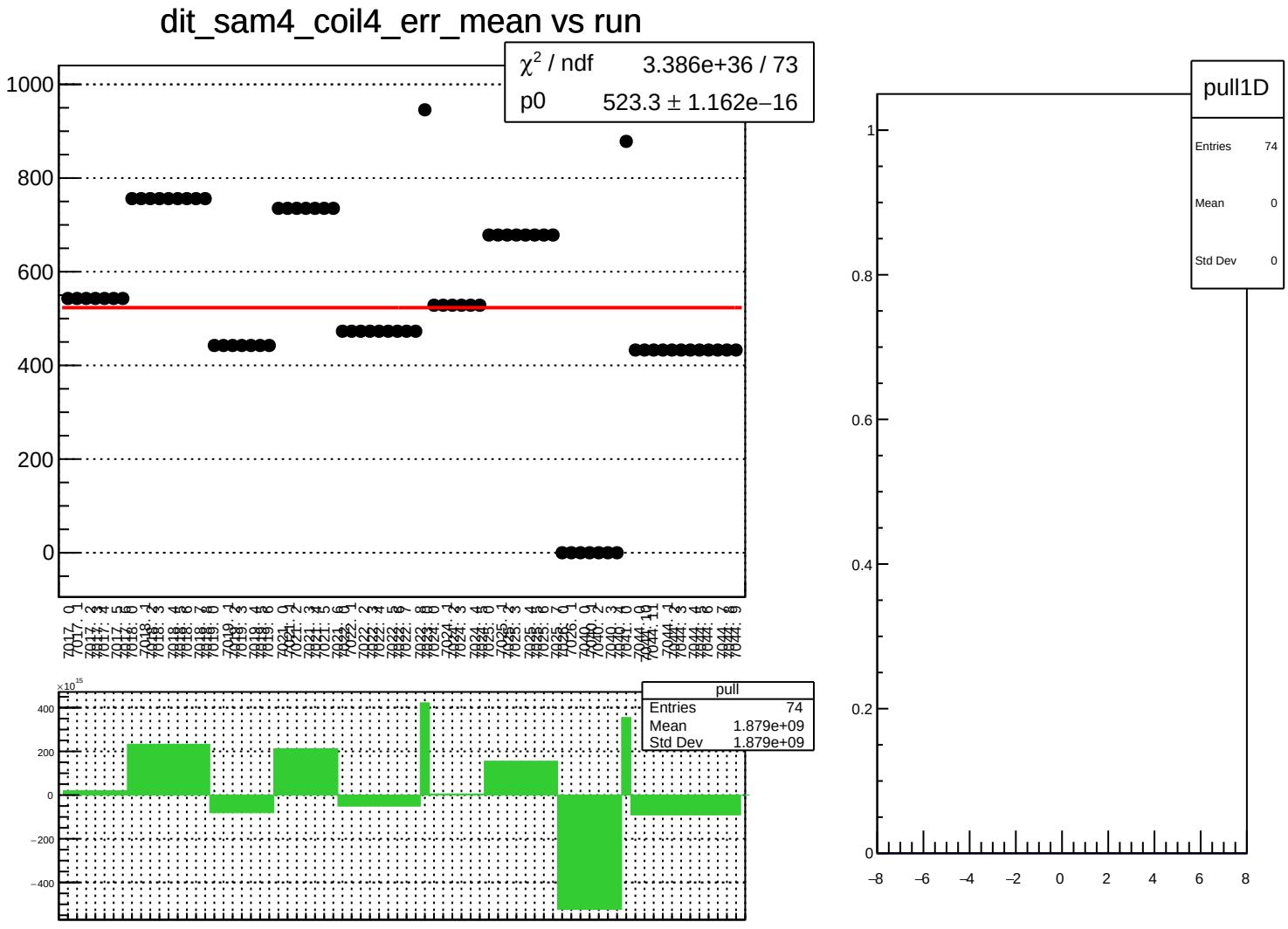

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_coil4_err_mean vs run
χ² / ndf 1.414e+36 / 73
p0 320.1± 1.162e−16
pull
Entries 74
Mean −1.323e+09
Std Dev 1.323e+09

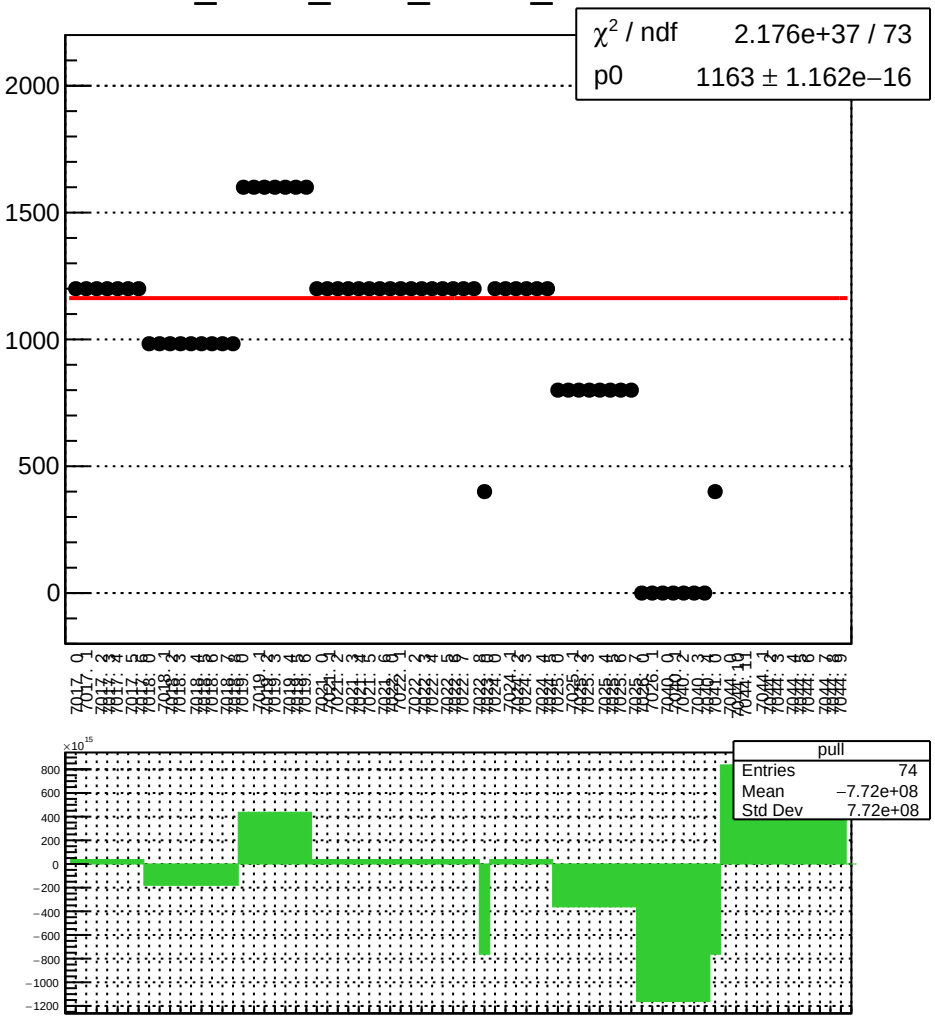

pull1D
Entries 74
Mean 0
Std Dev 0

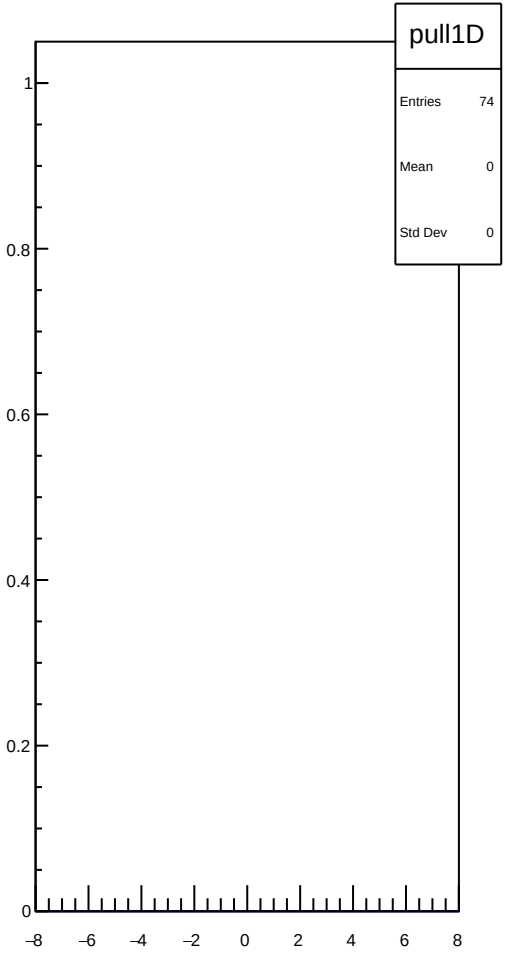

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.176e+37 / 73
p0 1163 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean −7.72e+08
Std Dev 7.72e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

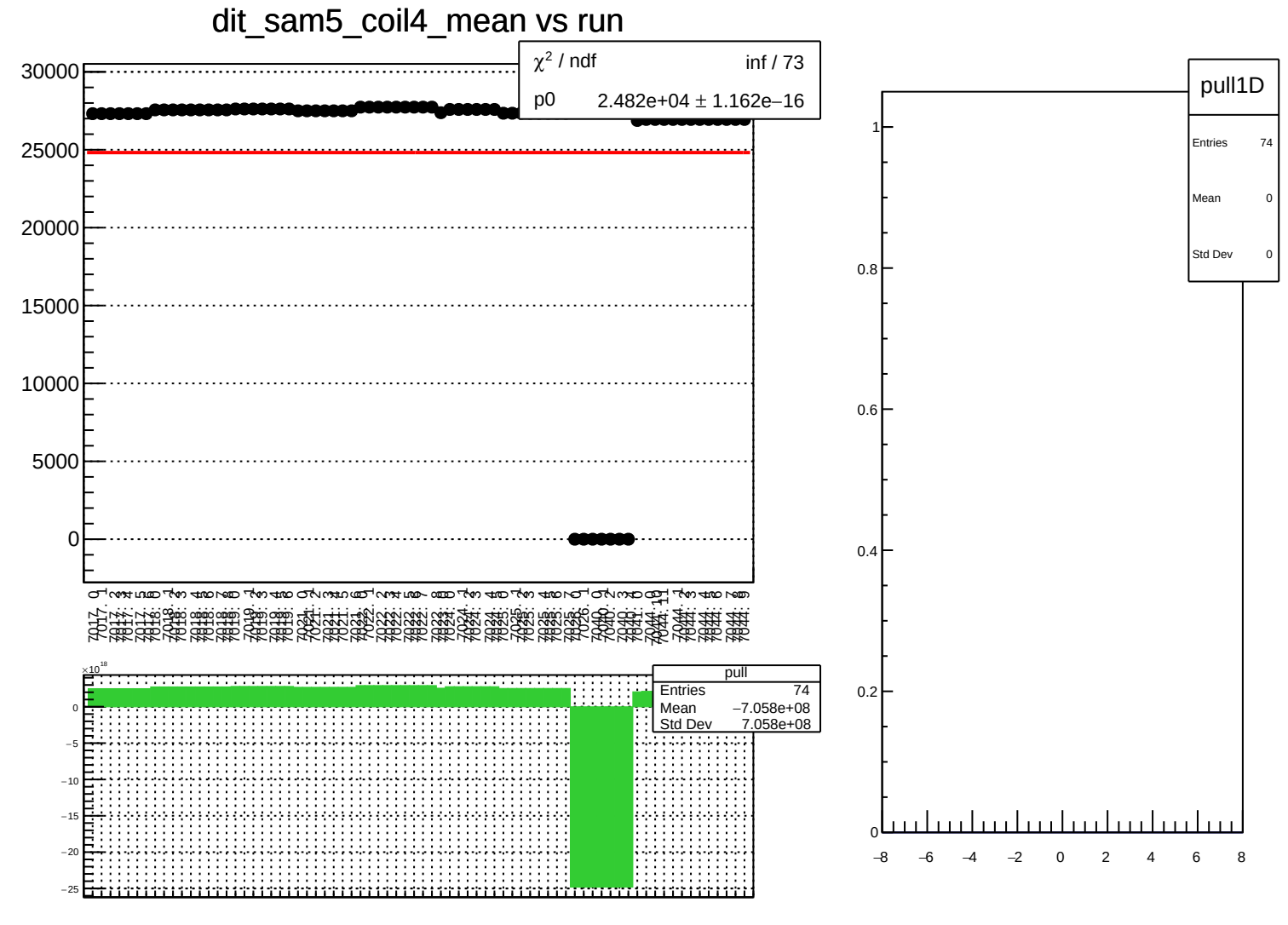

dit_sam4_coil4_mean vs run
χ² / ndf inf / 73
p0 4.025e+04 ± 1.162e−16
50000
40000
30000
20000
10000
0
pull
Entries 74
Mean 2.845e+09
Std Dev 2.845e+09
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

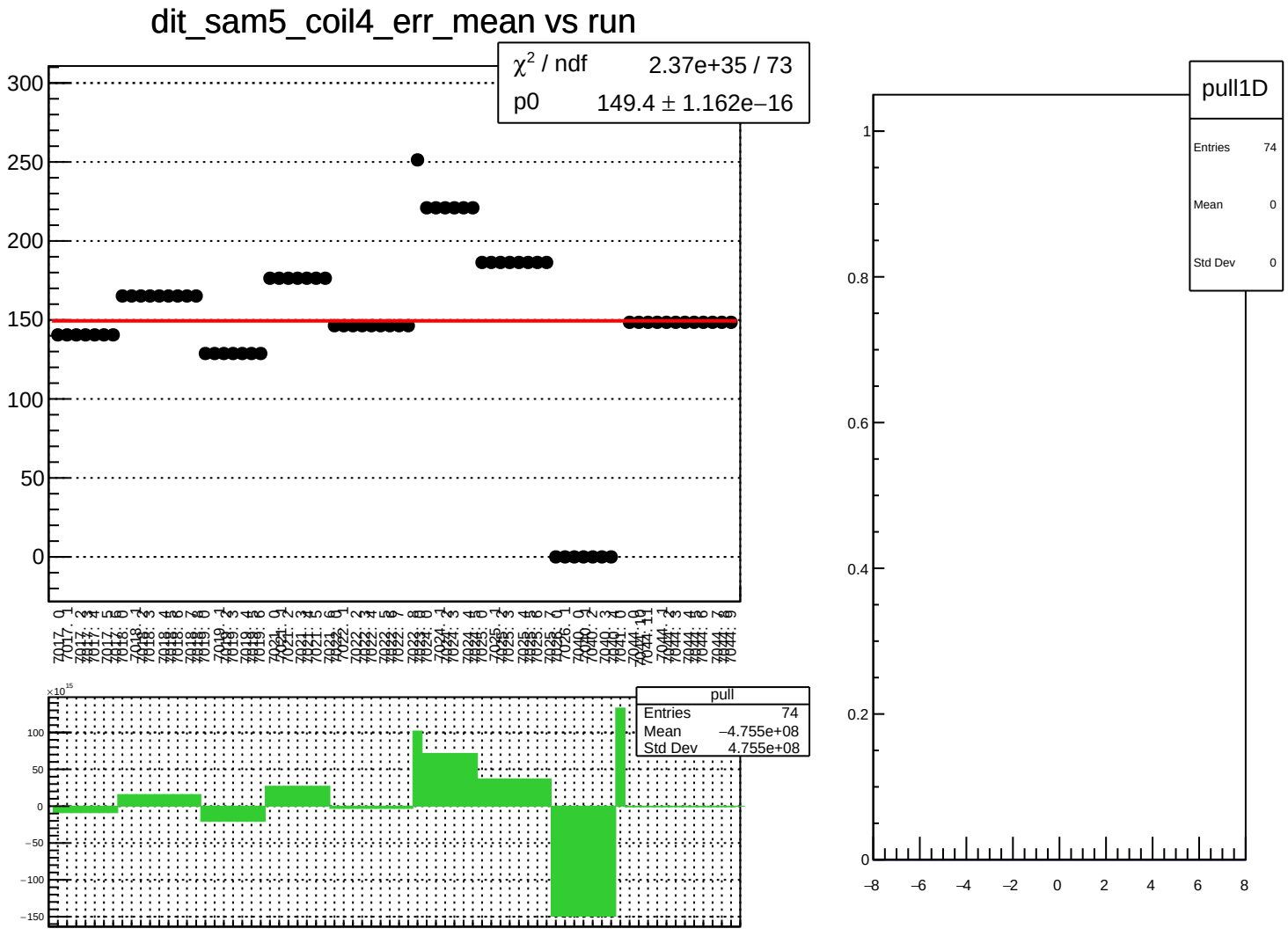

dit_sam4_coil4_err_mean vs run
χ² / ndf 3.386e+36 / 73
p0 523.3 ± 1.162e−16
1000
800
600
400
200
0
pull
Entries 74
Mean 1.879e+09
Std Dev 1.879e+09
×10¹⁵
400
200
0
−200
−400
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

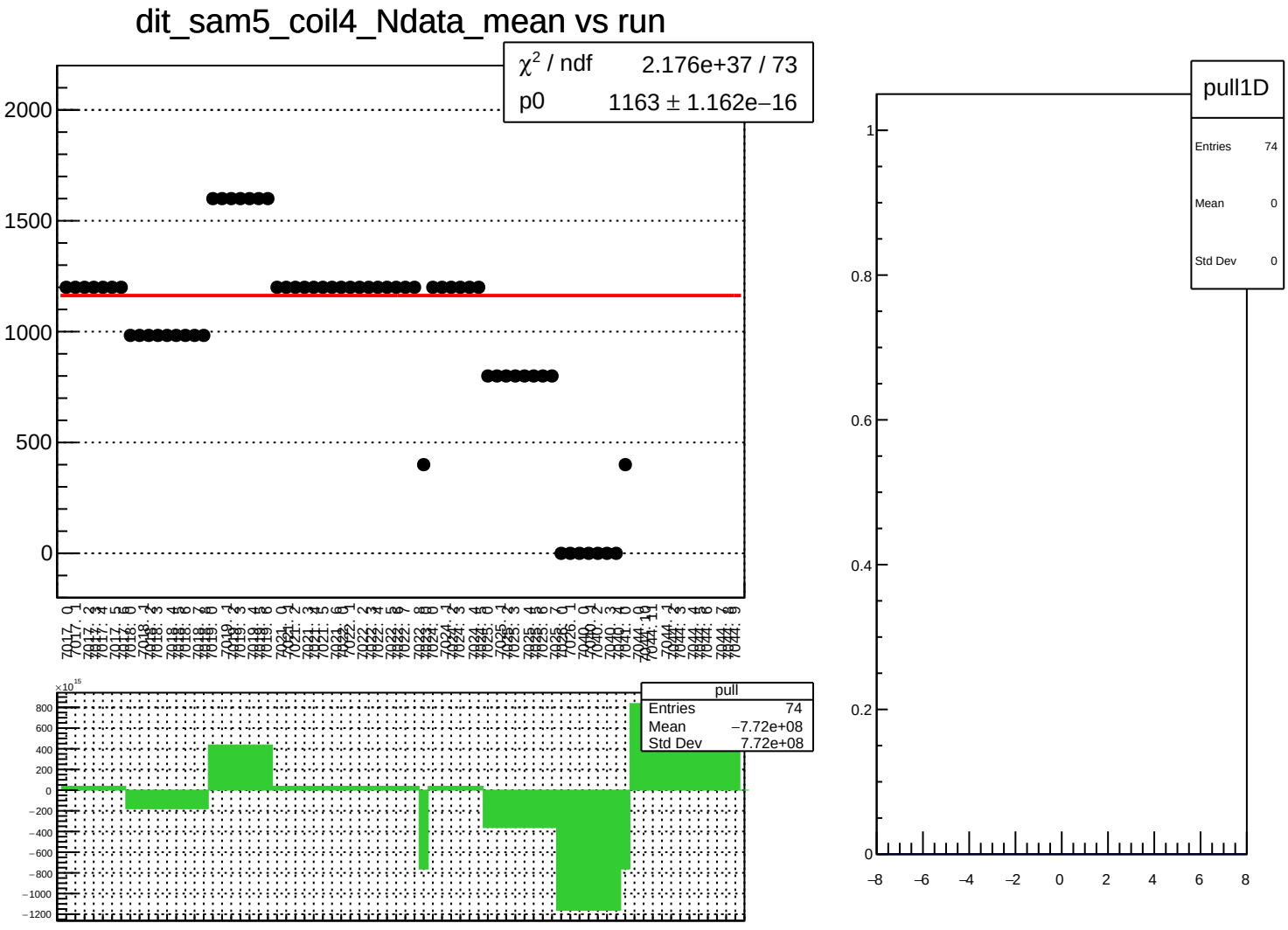
dit_sam4_coil4_Ndata_mean vs run

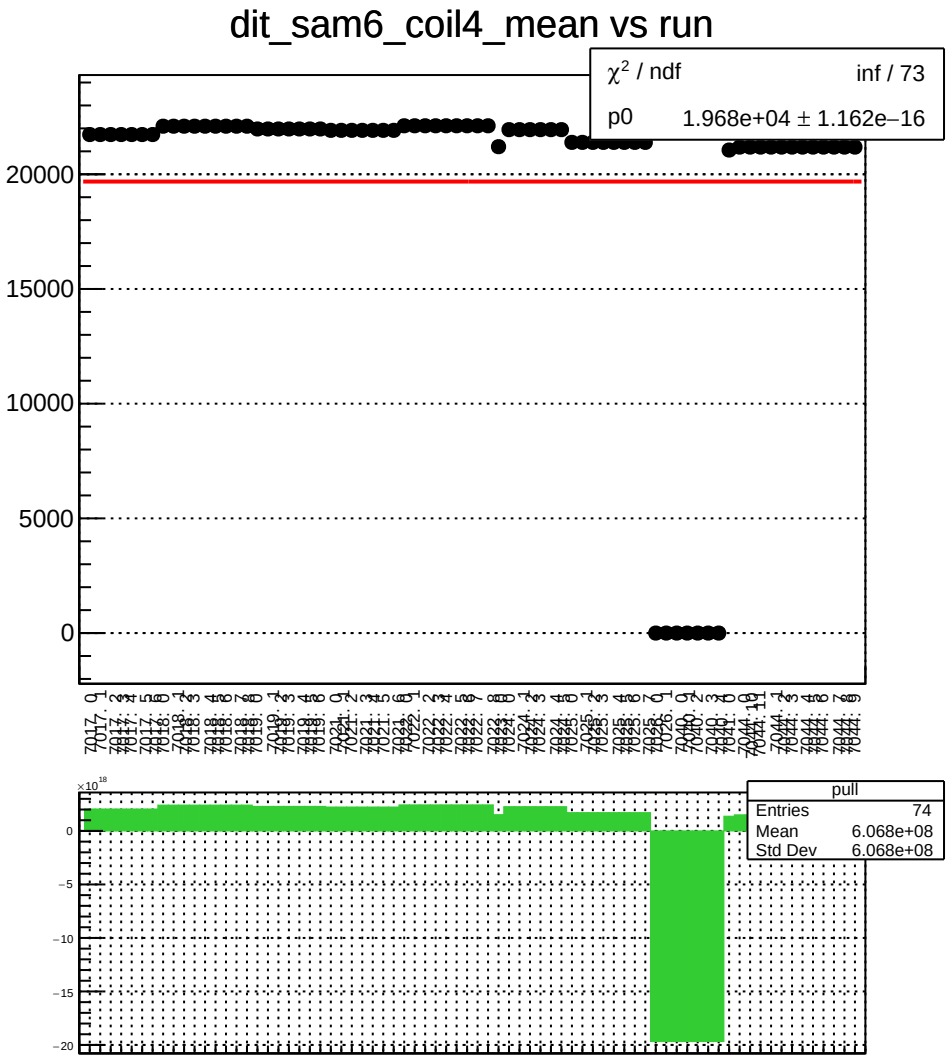


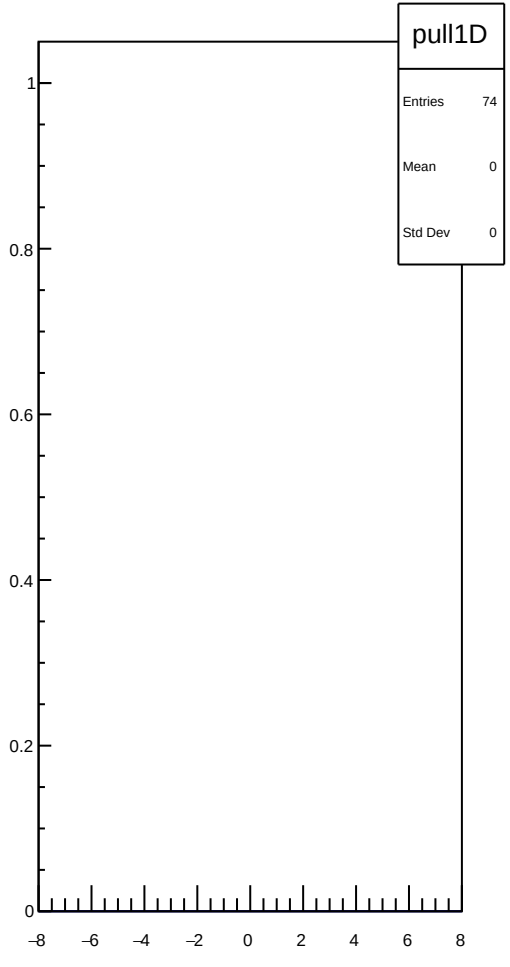


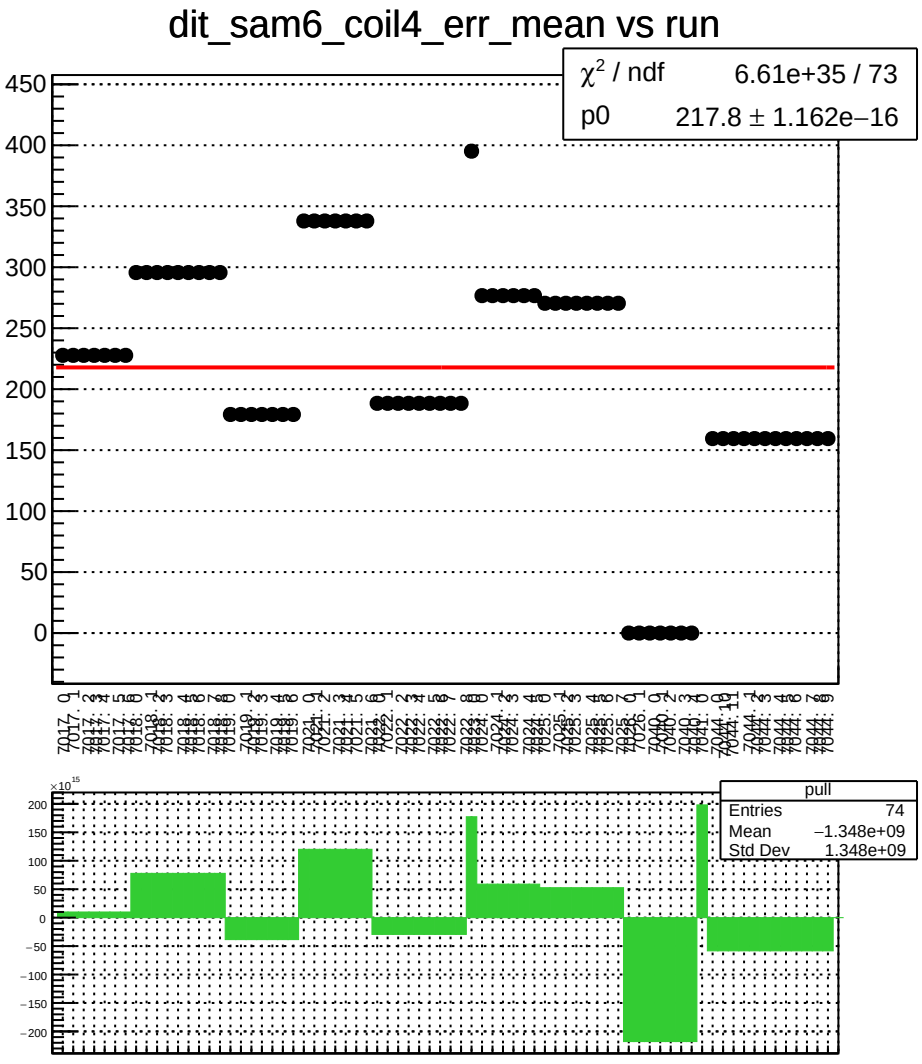

dit_sam5_coil4_mean vs run
χ² / ndf inf / 73
p0 2.482e+04 ± 1.162e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 74
Mean −7.058e+08
Std Dev 7.058e+08
×10^18
0
−5
−10
−15
−20
−25
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

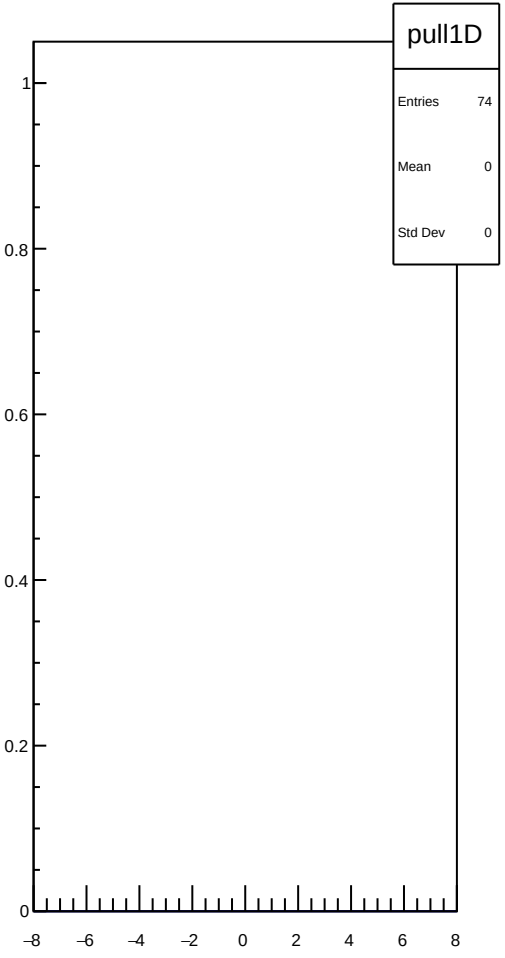

dit_sam5_coil4_err_mean vs run
χ² / ndf 2.37e+35 / 73
p0 149.4 ± 1.162e−16
pull
Entries 74
Mean −4.755e+08
Std Dev 4.755e+08
pull1D
Entries 74
Mean 0
Std Dev 0


dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.176e+37 / 73
p0 1163 ± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean −7.72e+08
Std Dev 7.72e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

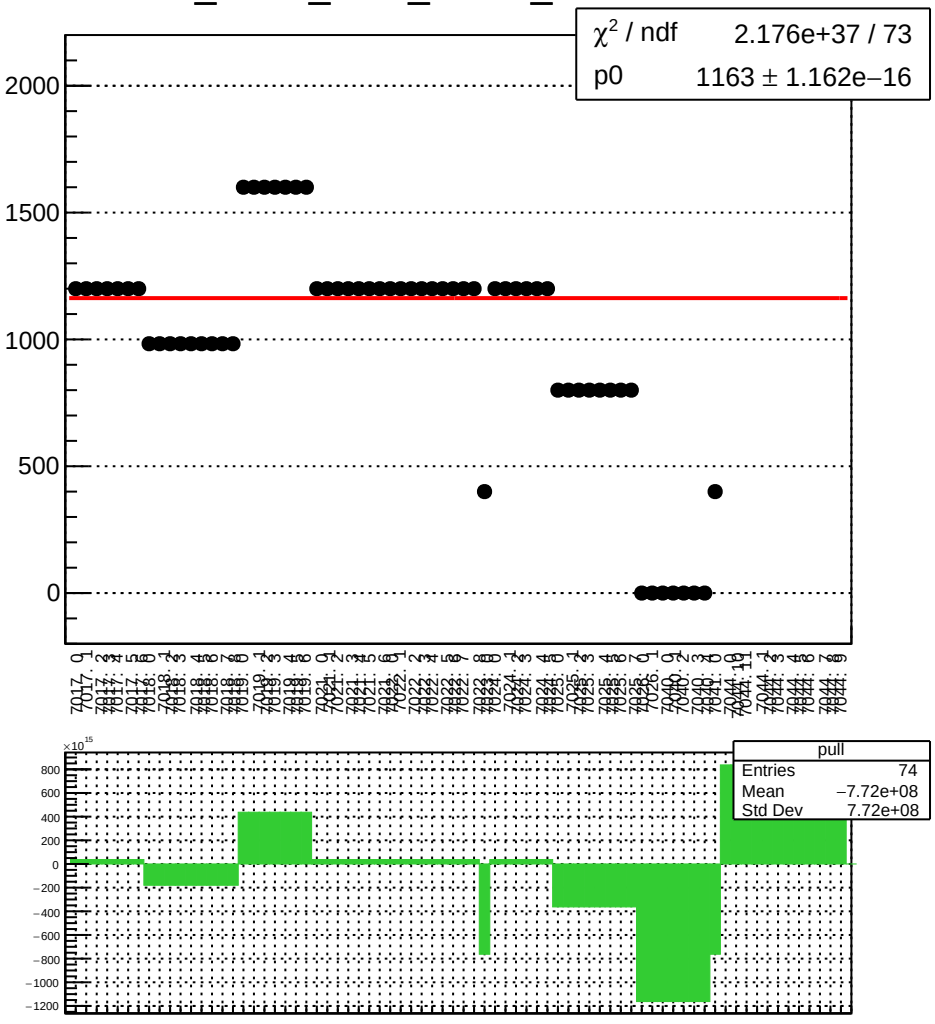

dit_sam6_coil4_mean vs run
χ² / ndf inf / 73
p0 1.968e+04 ± 1.162e−16
20000
15000
10000
5000
0
pull
Entries 74
Mean 6.068e+08
Std Dev 6.068e+08
×10¹⁸
0
−5
−10
−15
−20

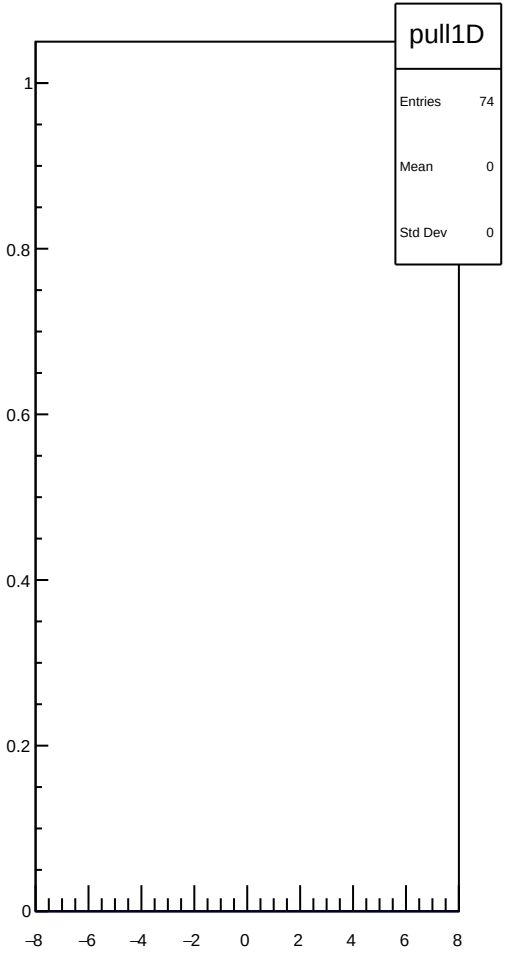

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

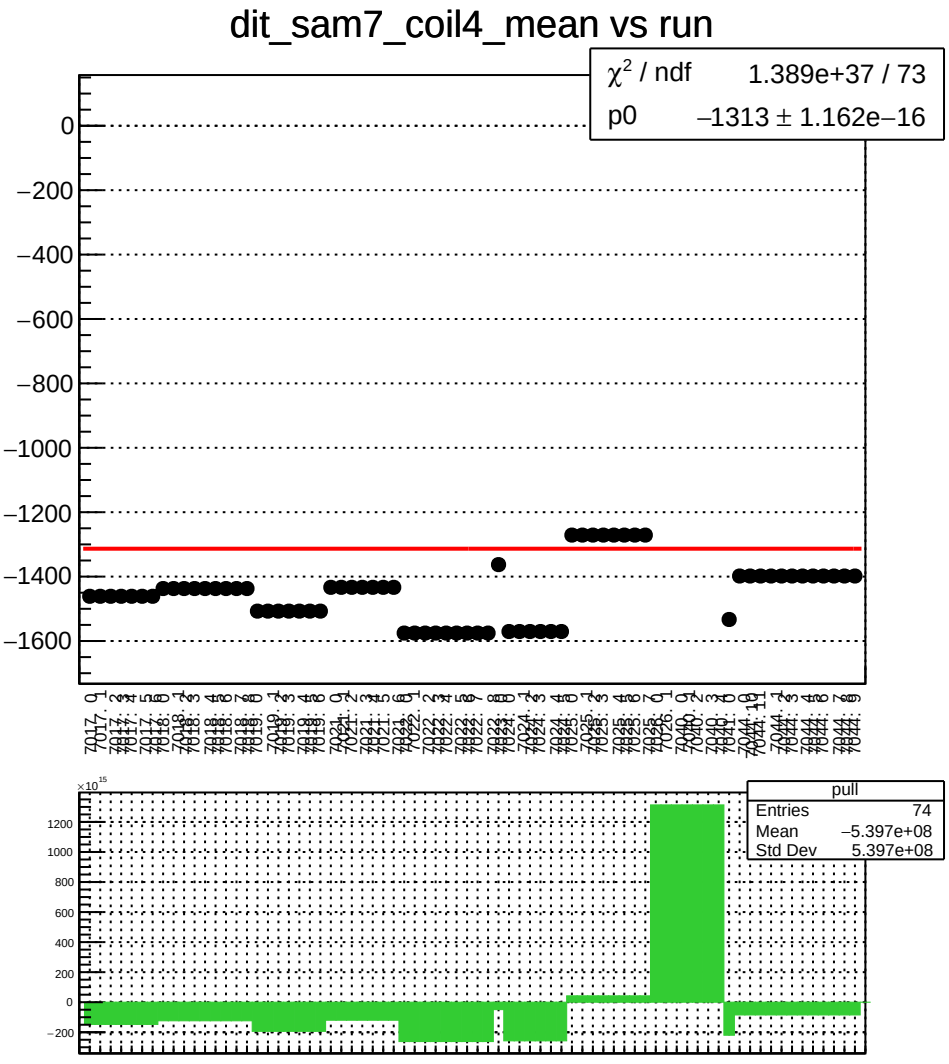

dit_sam6_coil4_err_mean vs run
χ² / ndf 6.61e+35 / 73
p0 217.8 ± 1.162e−16
pull
Entries 74
Mean −1.348e+09
Std Dev 1.348e+09

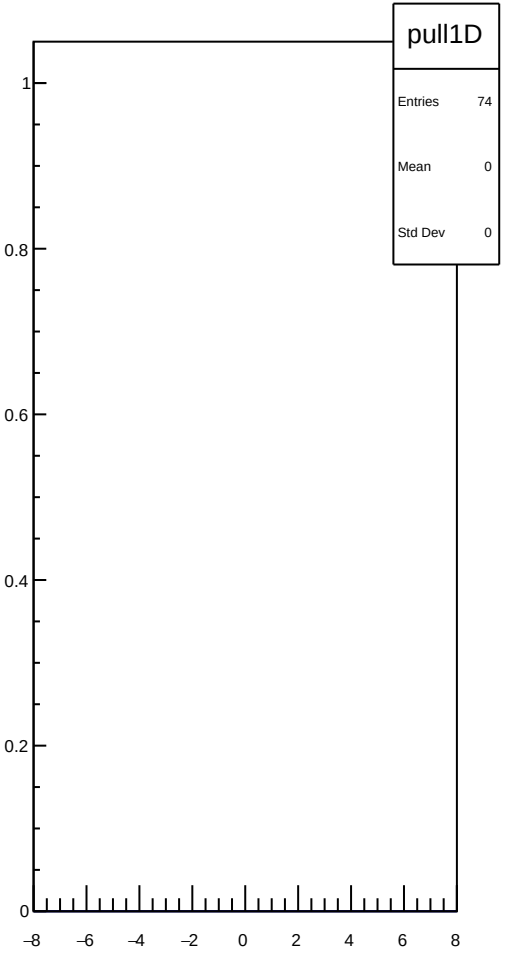

pull1D
Entries 74
Mean 0
Std Dev 0

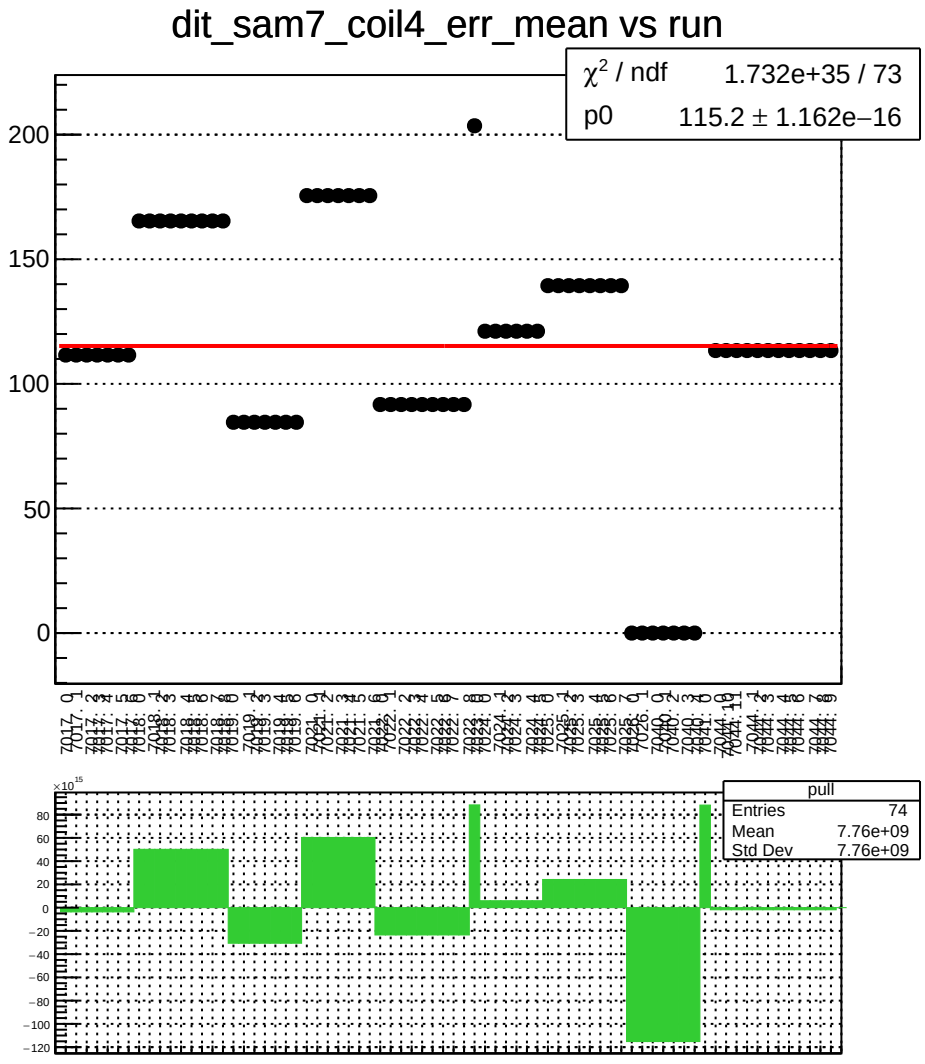
dit_sam6_coil4_Ndata_mean vs run

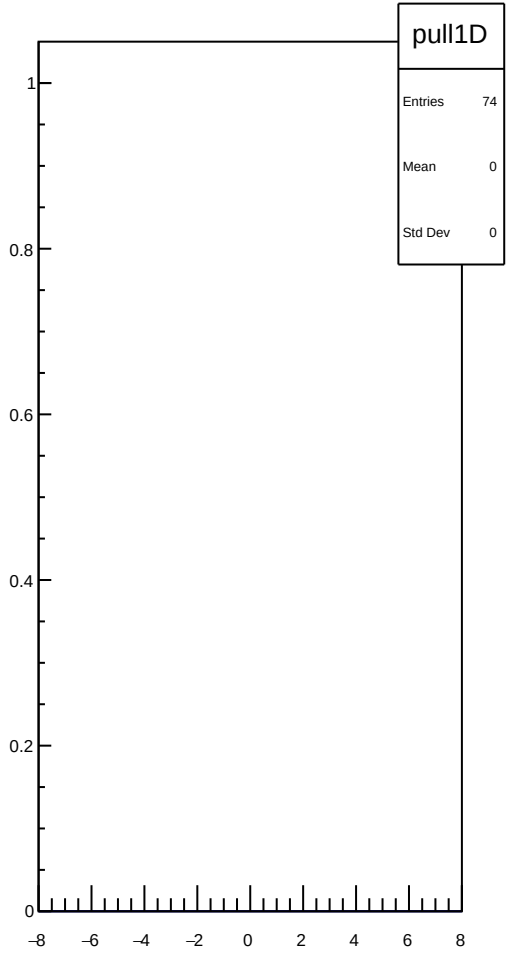




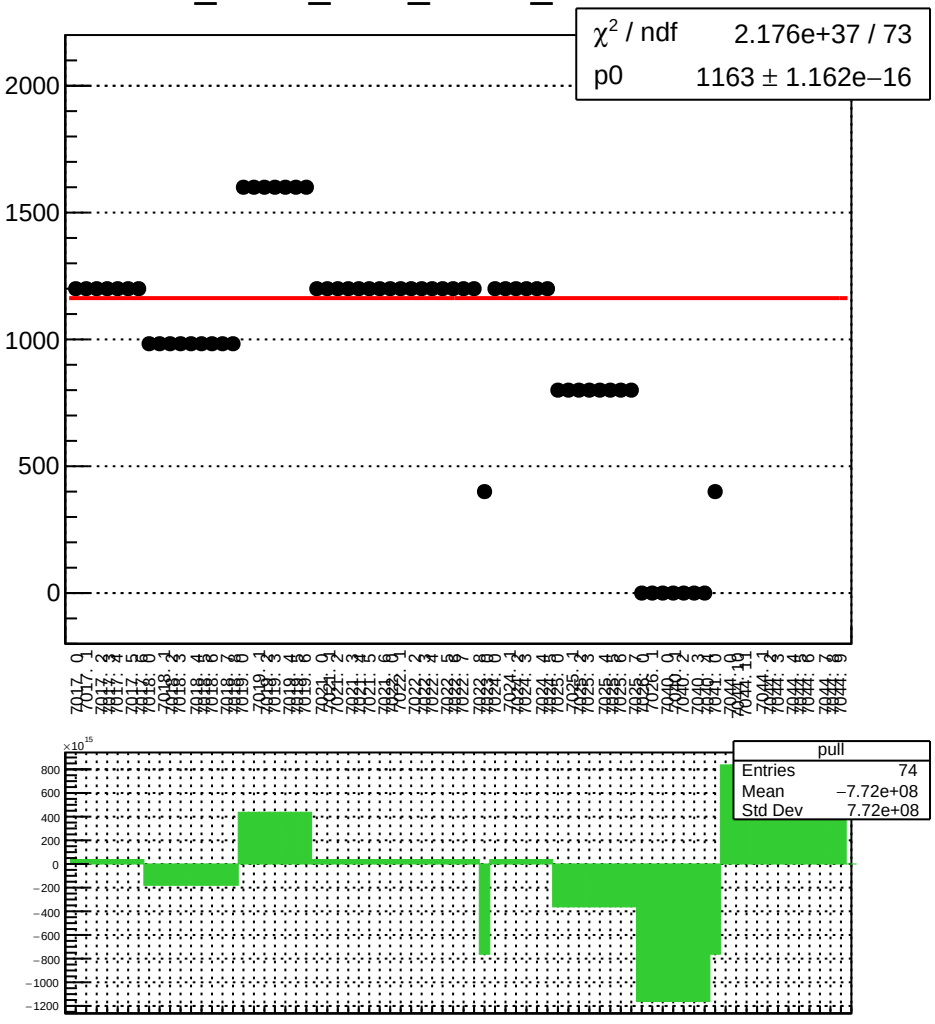

dit_sam7_coil4_mean vs run
χ^2 / ndf 1.389e+37 / 73
p0 −1313 ± 1.162e−16
pull
Entries 74
Mean −5.397e+08
Std Dev 5.397e+08

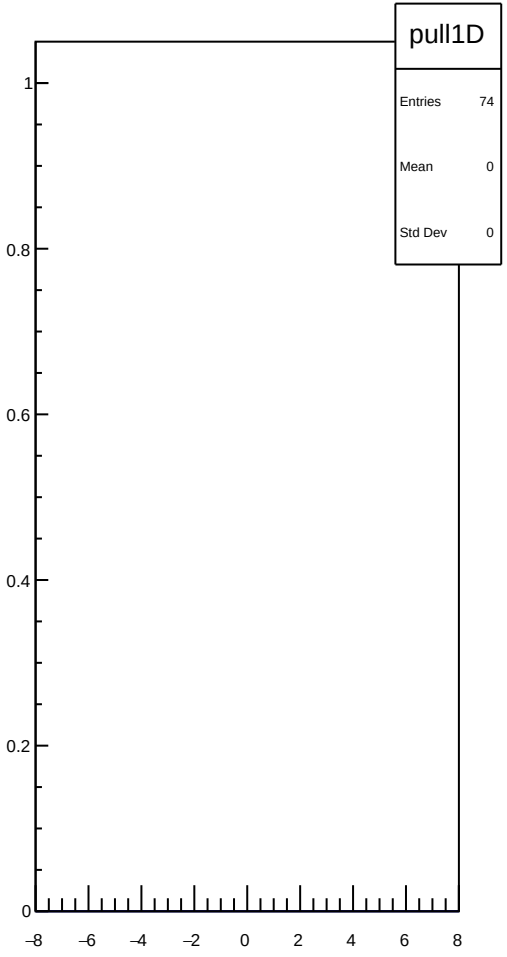

pull1D
Entries 74
Mean 0
Std Dev 0

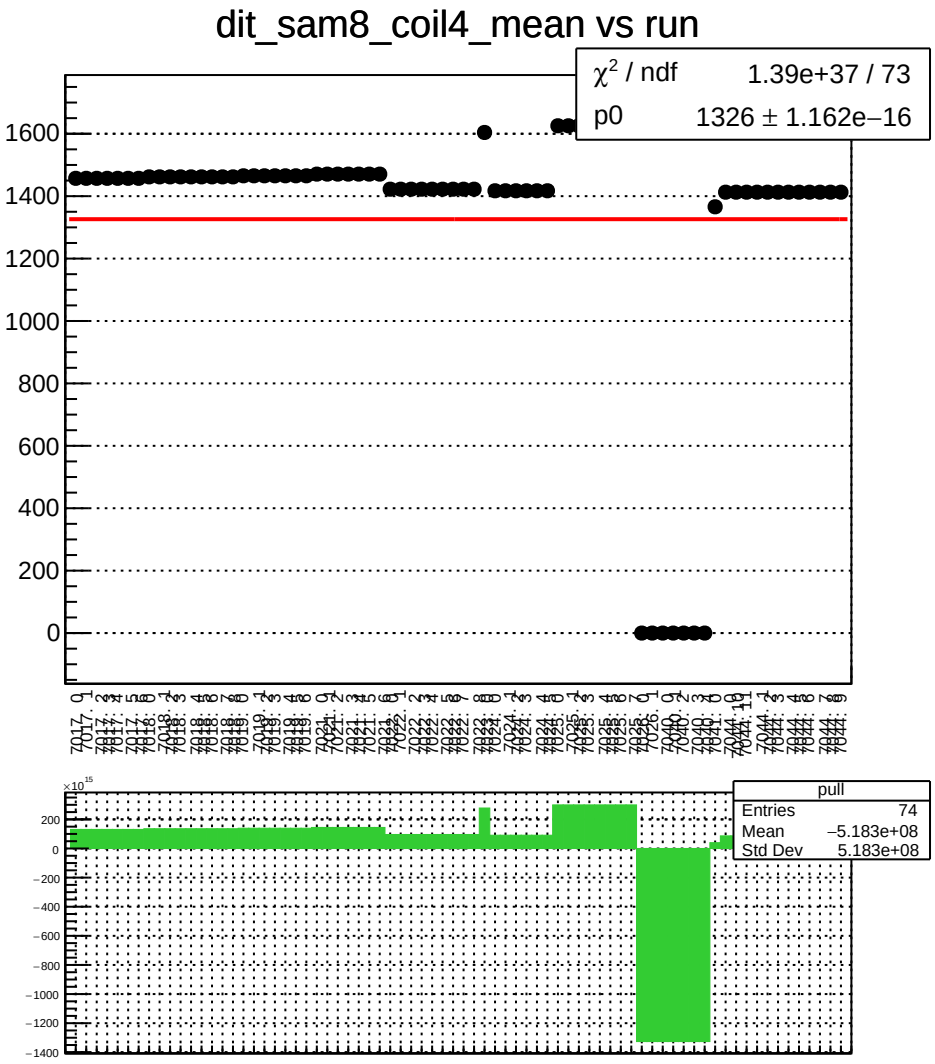

dit_sam7_coil4_err_mean vs run
χ^2 / ndf 1.732e+35 / 73
p0 115.2 ± 1.162e−16
pull
Entries 74
Mean 7.76e+09
Std Dev 7.76e+09

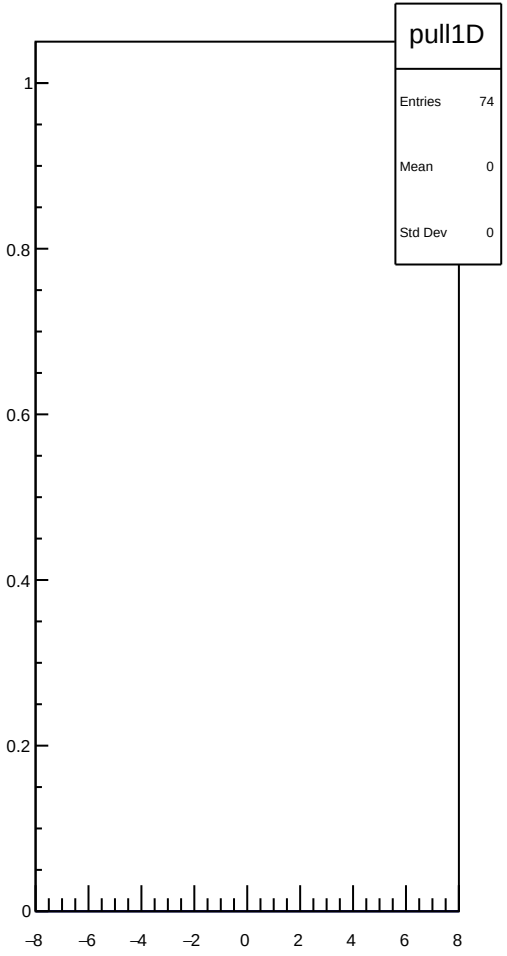

pull1D
Entries 74
Mean 0
Std Dev 0

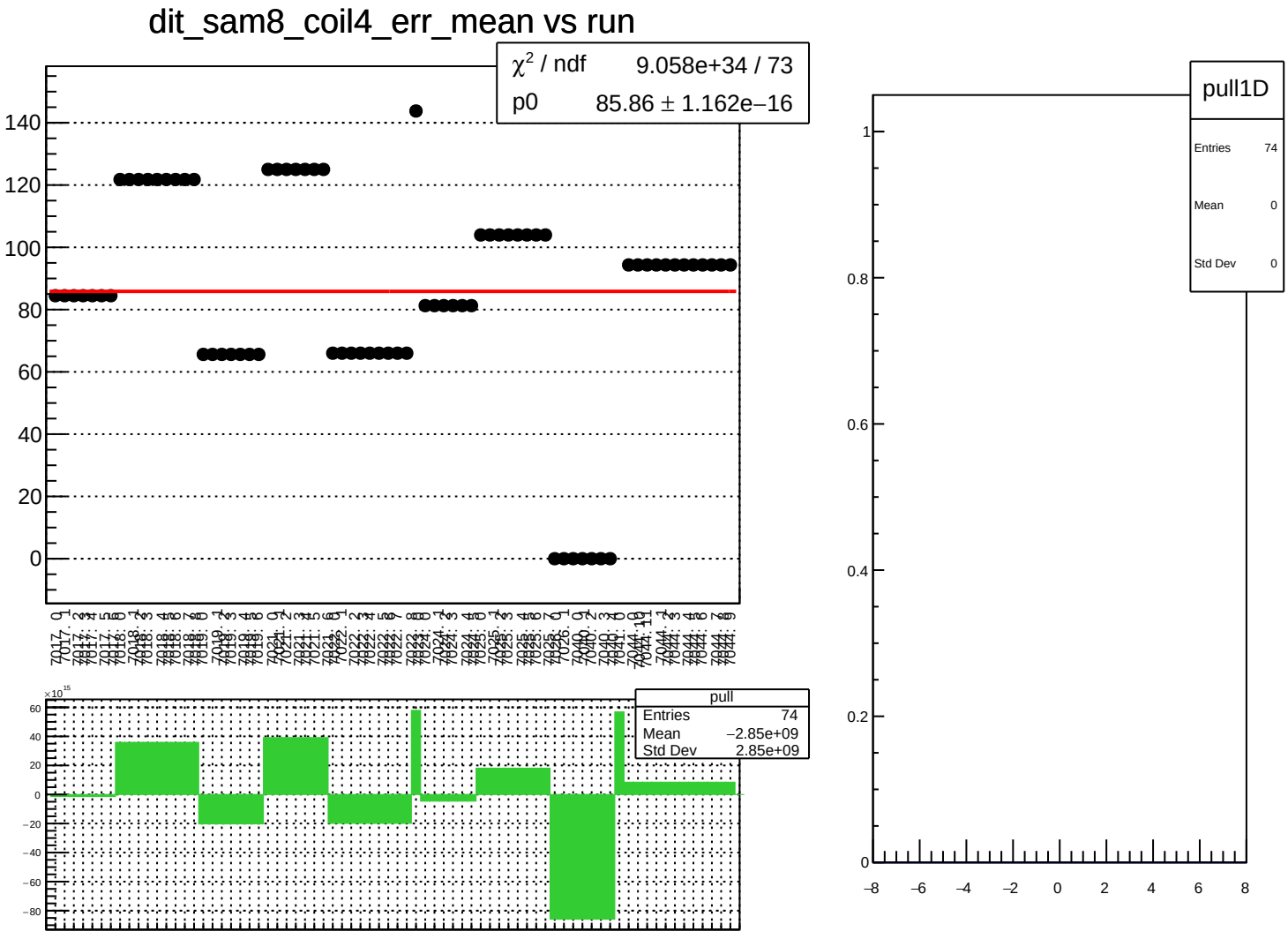
dit_sam7_coil4_Ndata_mean vs run



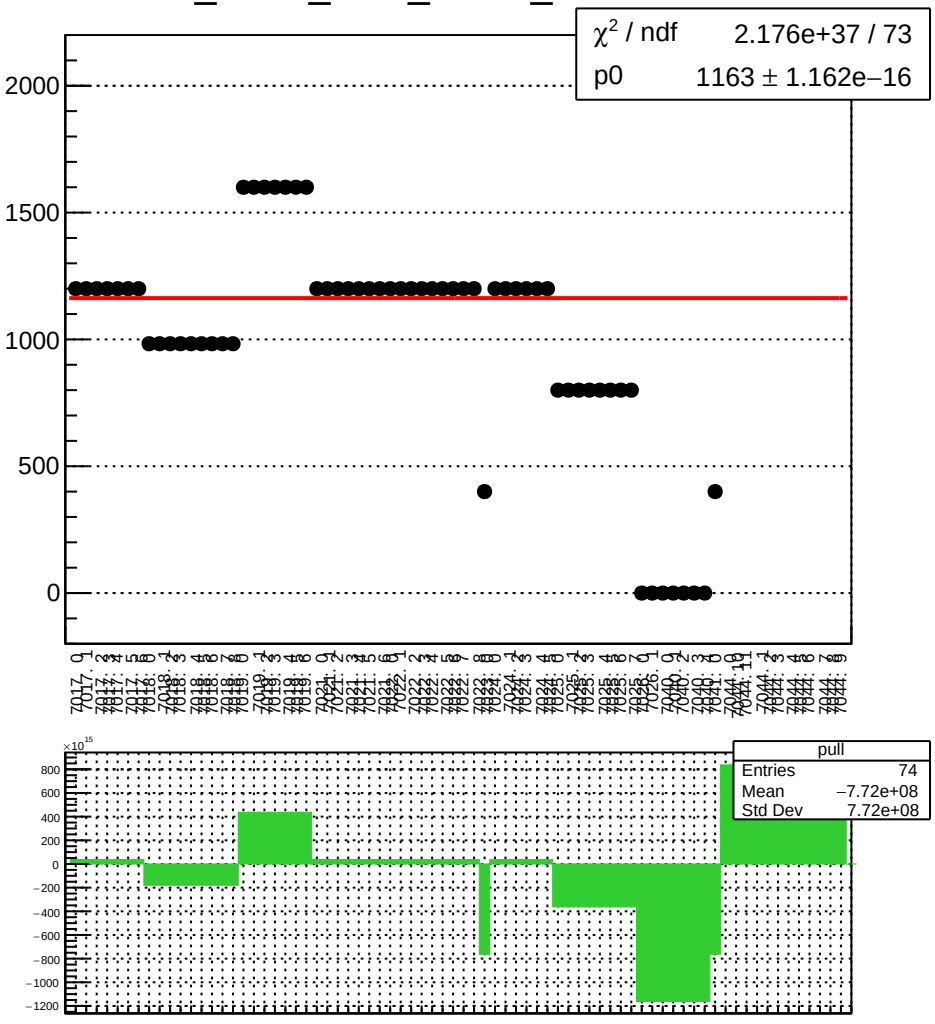


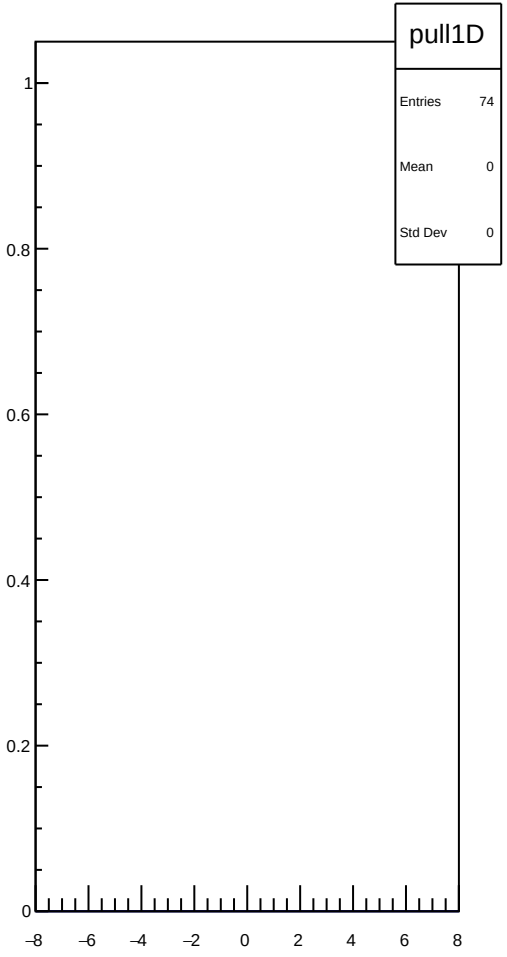

dit_sam8_coil4_mean vs run
χ² / ndf 1.39e+37 / 73
p0 1326 ± 1.162e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 74
Mean −5.183e+08
Std Dev 5.183e+08
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200
−1400

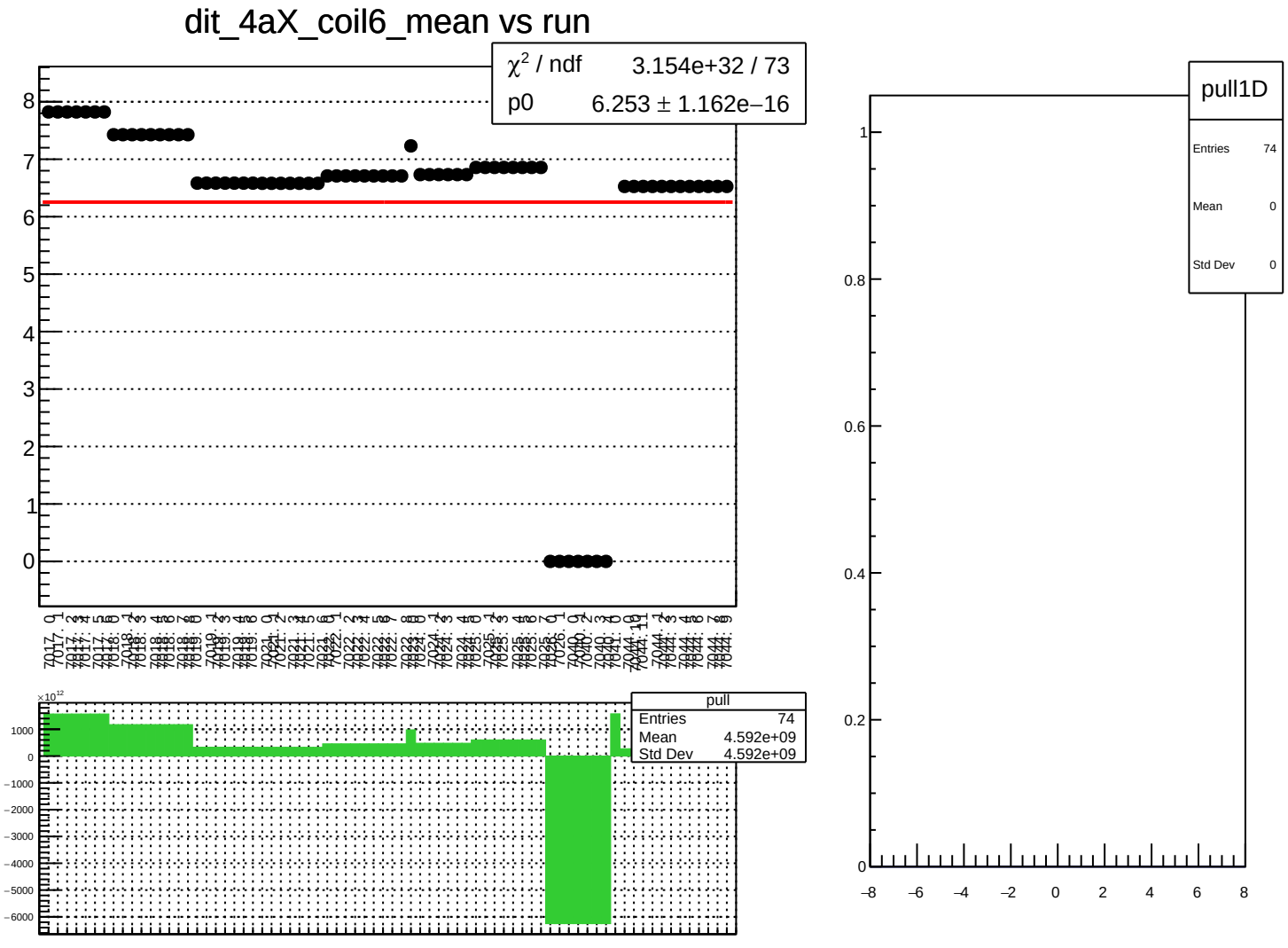

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil4_err_mean vs run
χ² / ndf 9.058e+34 / 73
p0 85.86 ± 1.162e−16
pull
Entries 74
Mean −2.85e+09
Std Dev 2.85e+09
pull1D
Entries 74
Mean 0
Std Dev 0

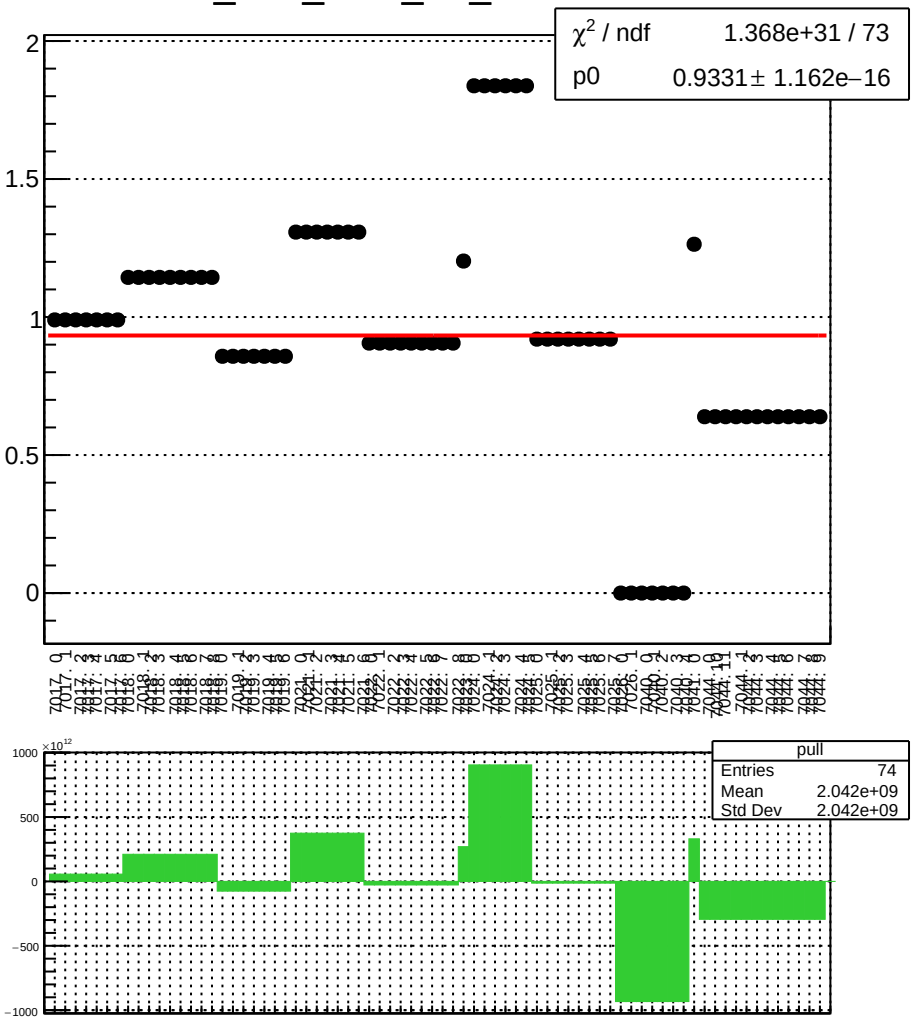
dit_sam8_coil4_Ndata_mean vs run

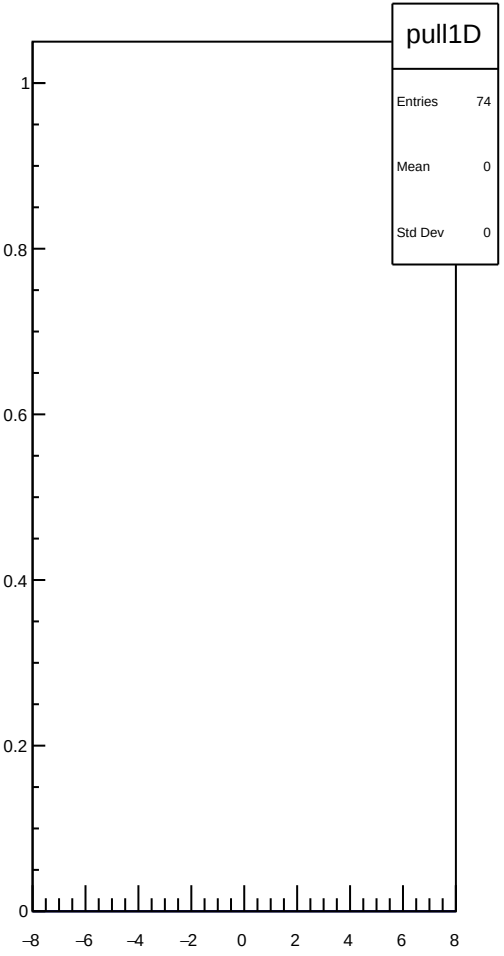




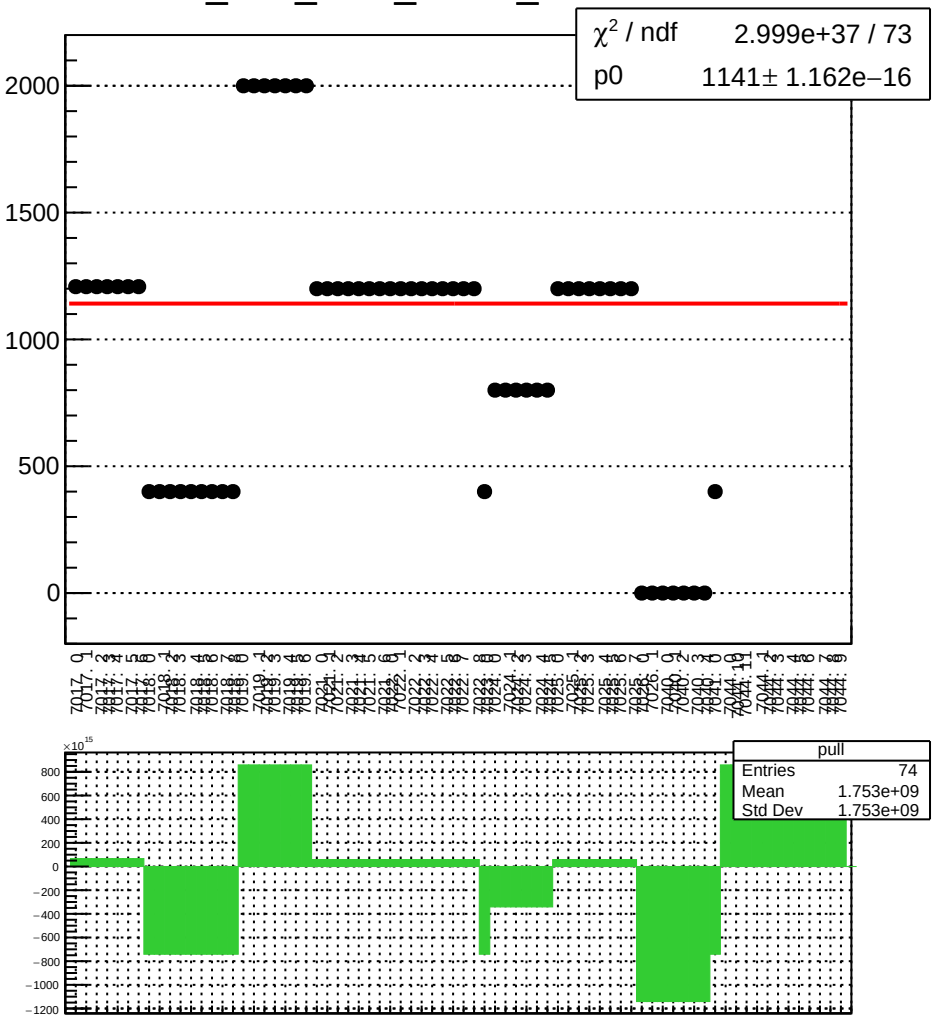

dit_4aX_coil6_mean vs run
χ² / ndf 3.154e+32 / 73
p0 6.253 ± 1.162e−16
pull
Entries 74
Mean 4.592e+09
Std Dev 4.592e+09
pull1D
Entries 74
Mean 0
Std Dev 0

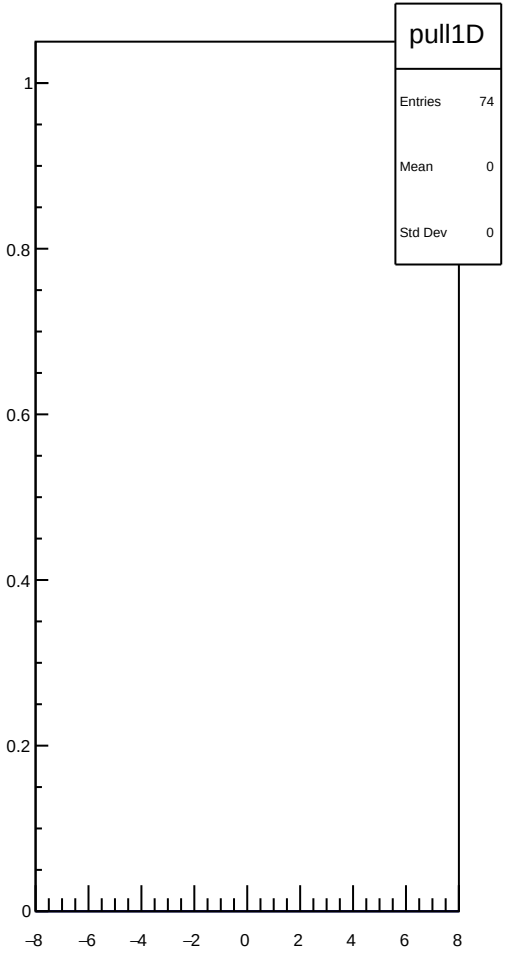
dit_4aX_coil6_err_mean vs run

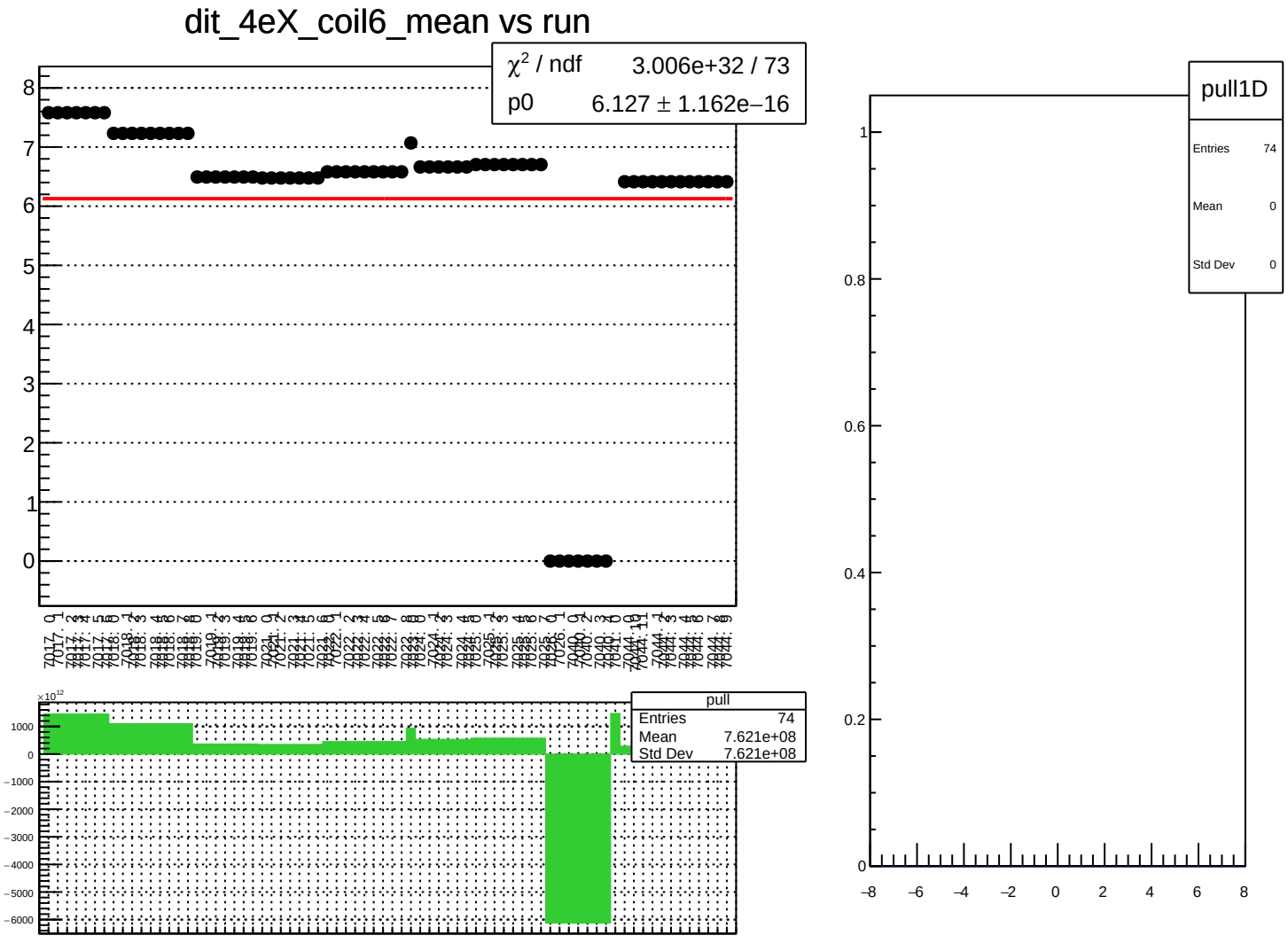




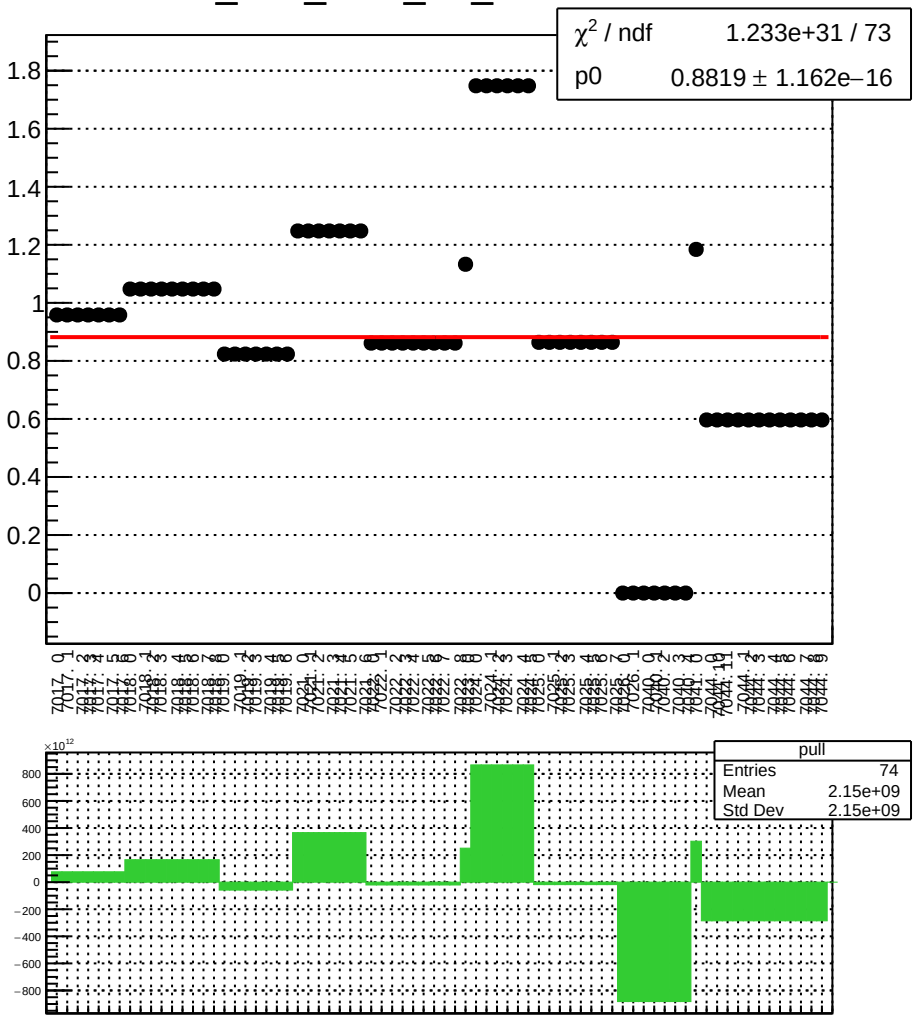
dit_4aX_coil6_Ndata_mean vs run

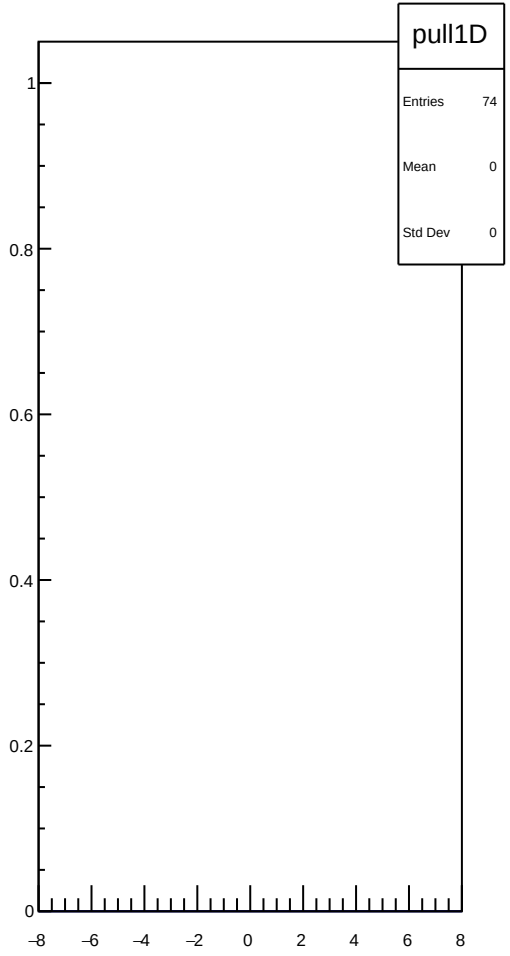




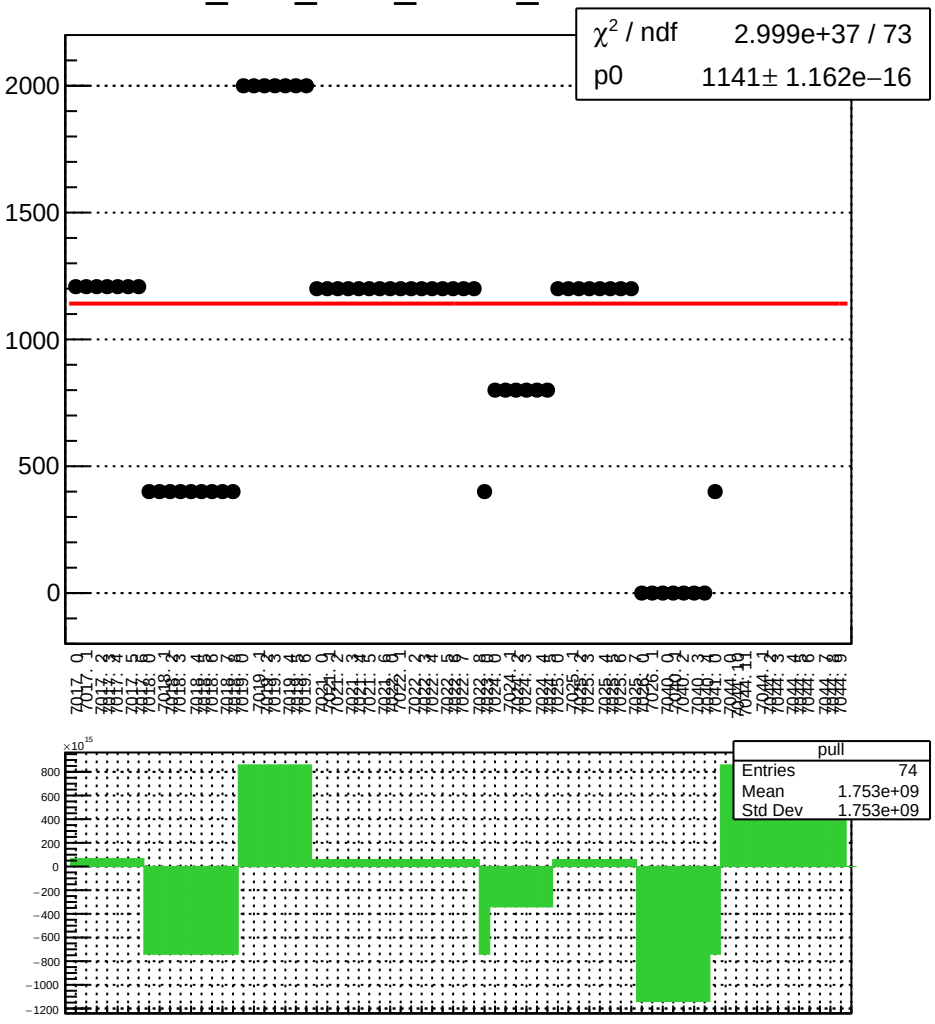

dit_4eX_coil6_mean vs run
χ² / ndf 3.006e+32 / 73
p0 6.127 ± 1.162e−16
pull
Entries 74
Mean 7.621e+08
Std Dev 7.621e+08
pull1D
Entries 74
Mean 0
Std Dev 0

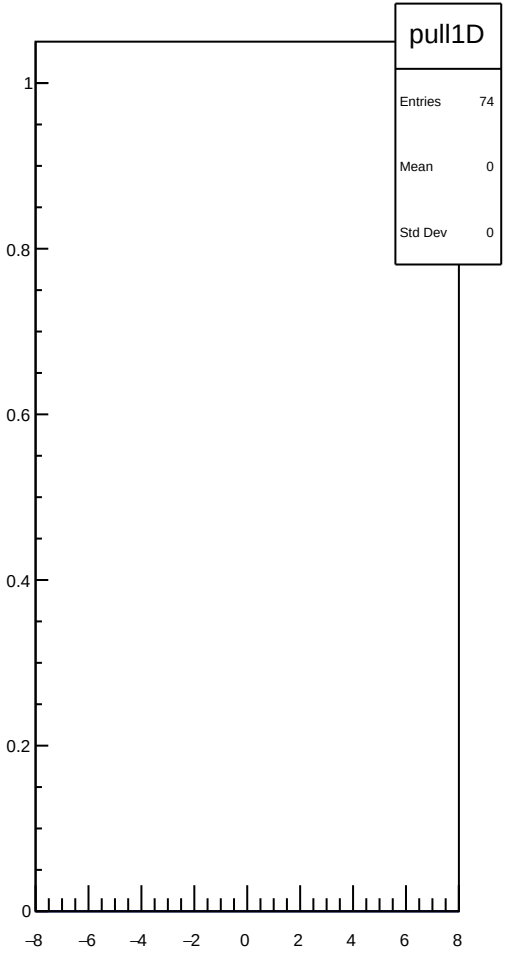
dit_4eX_coil6_err_mean vs run



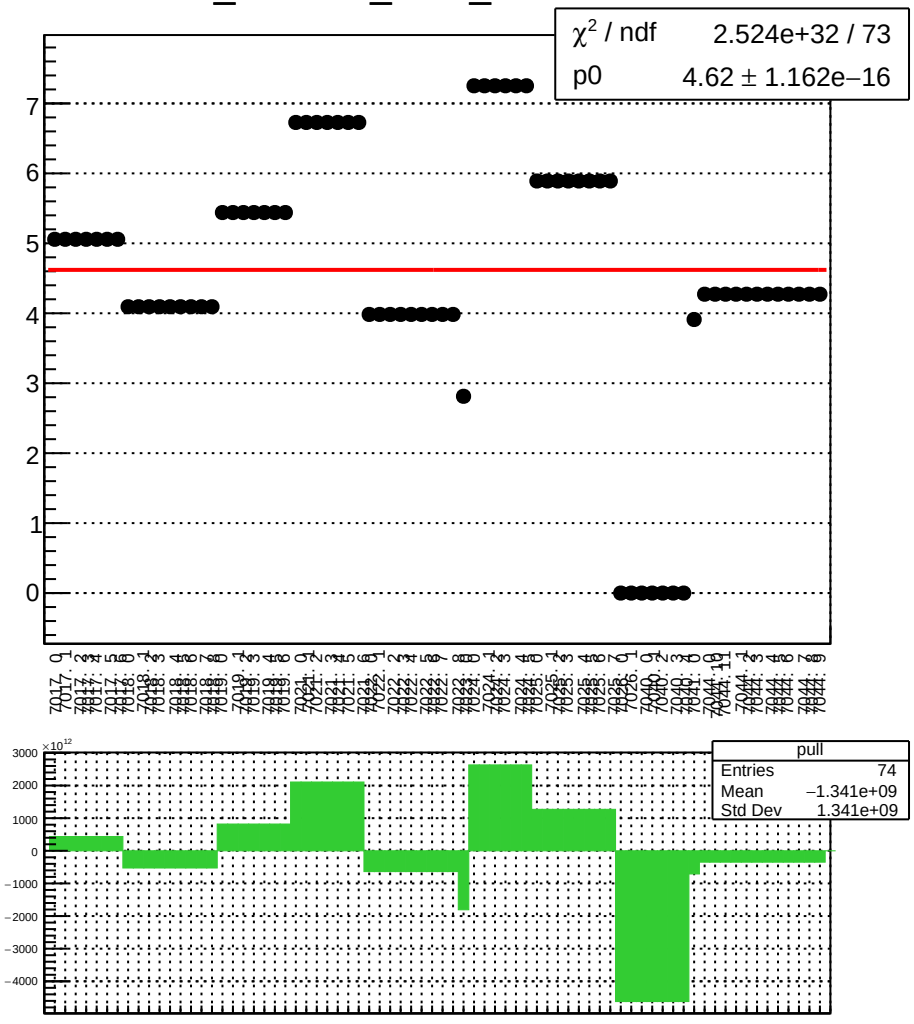


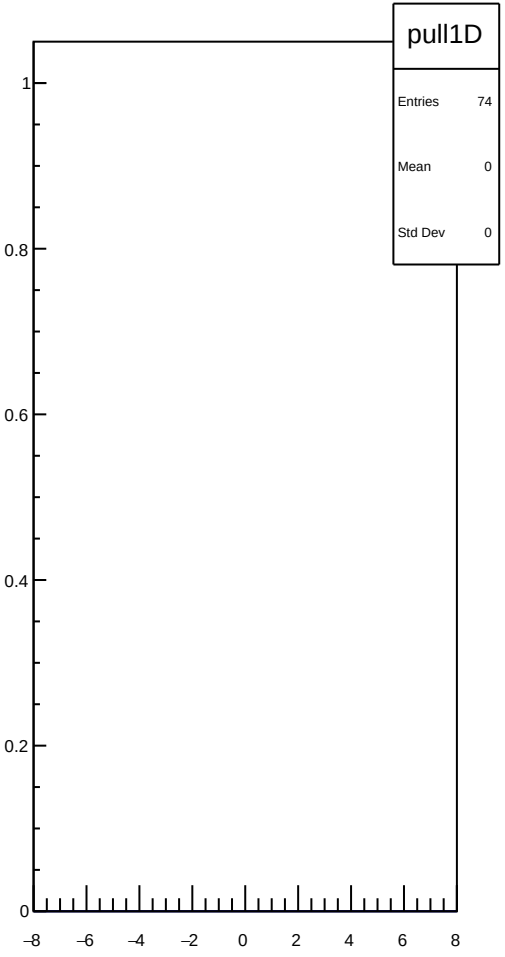
dit_4eX_coil6_Ndata_mean vs run



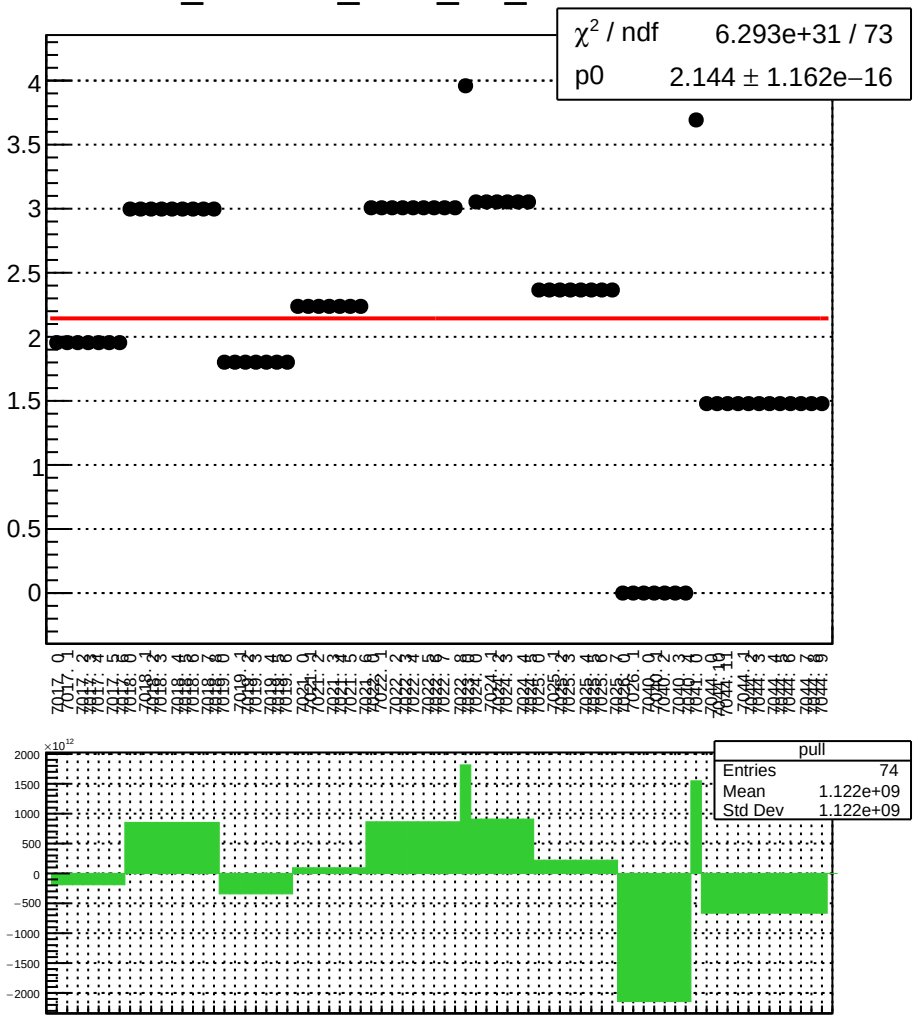


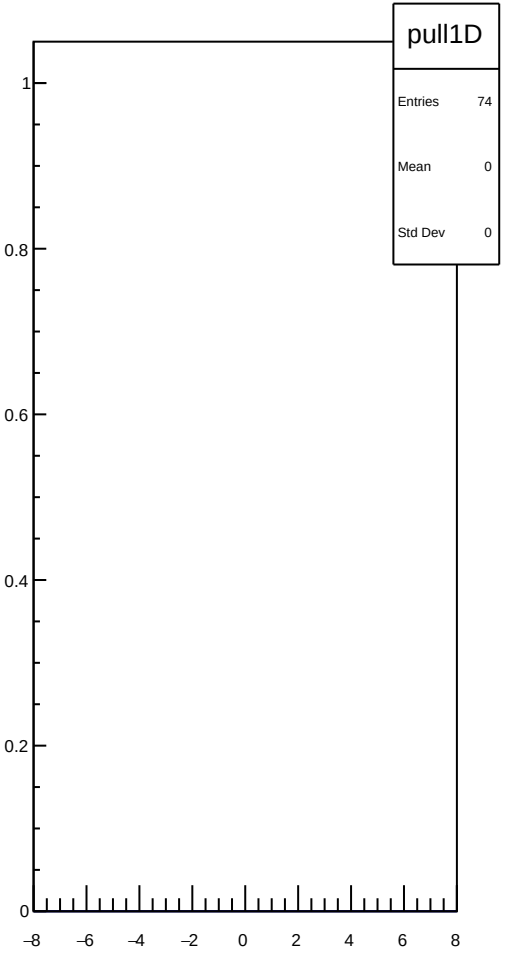
dit_11X12X_coil6_mean vs run



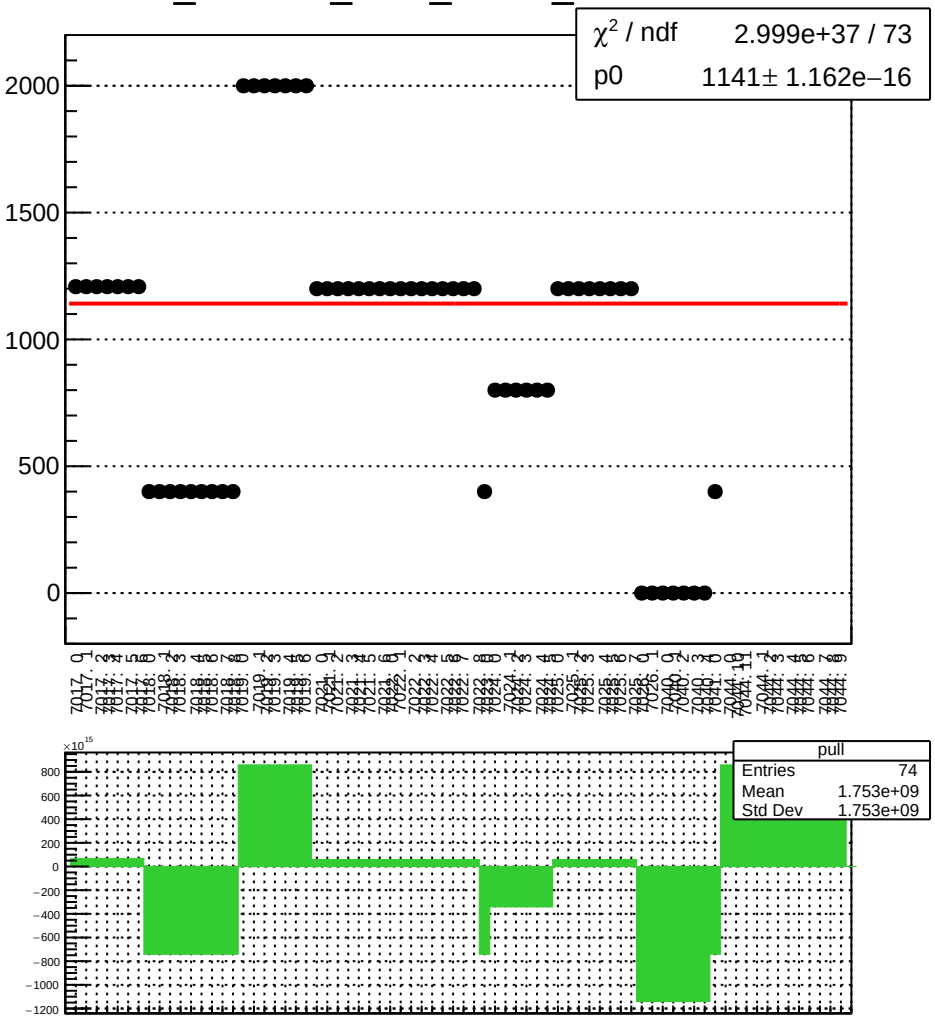


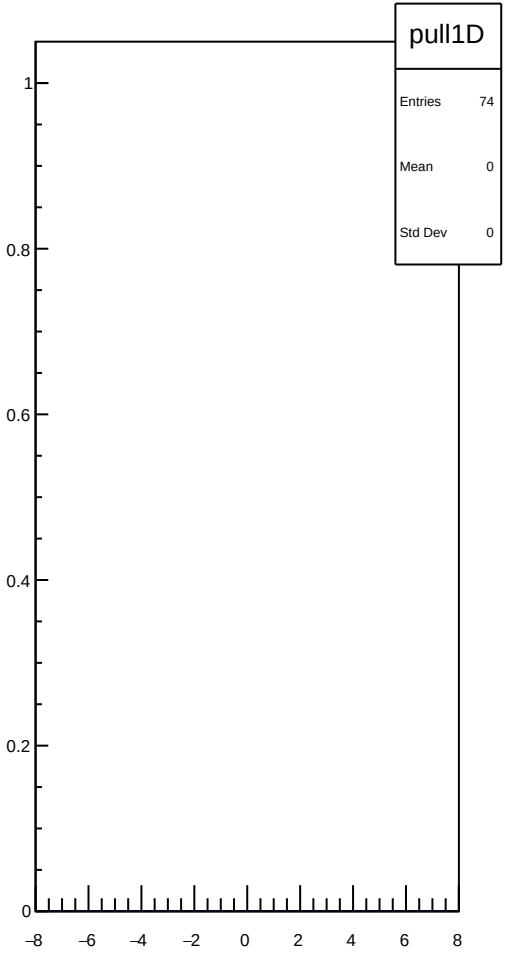
dit_11X12X_coil6_err_mean vs run

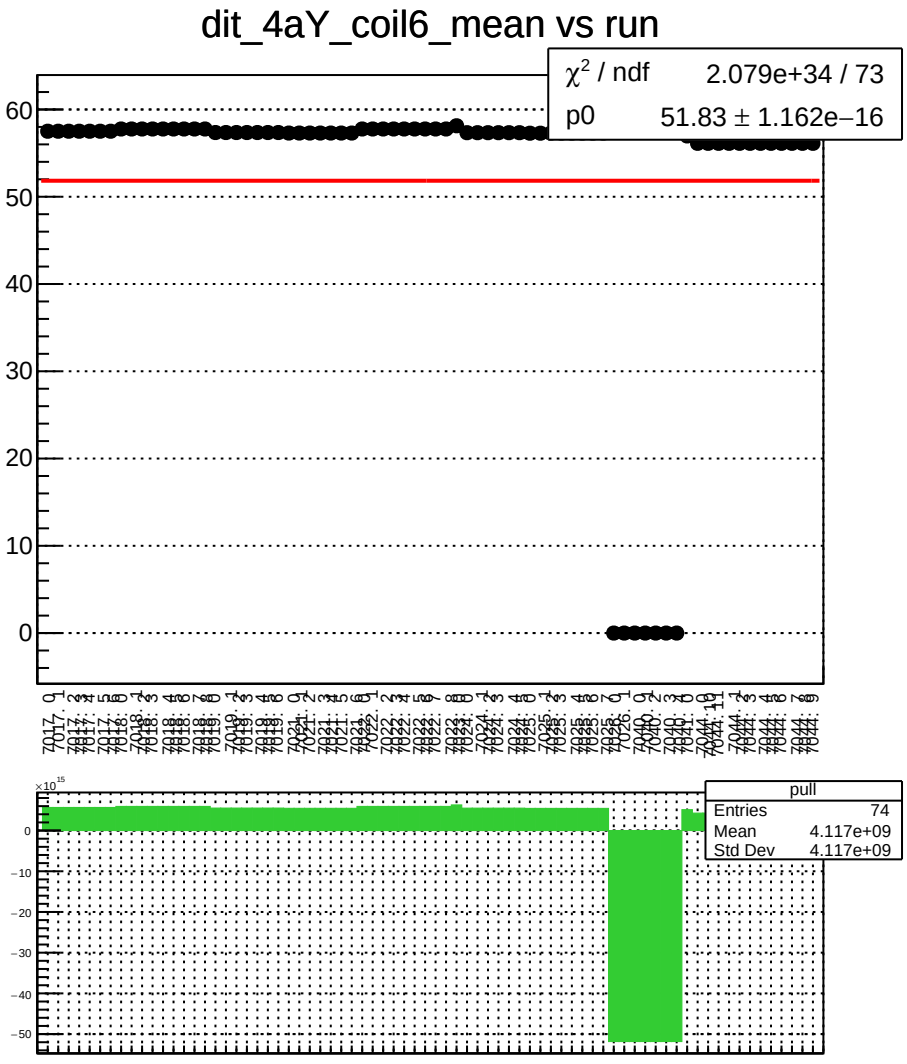


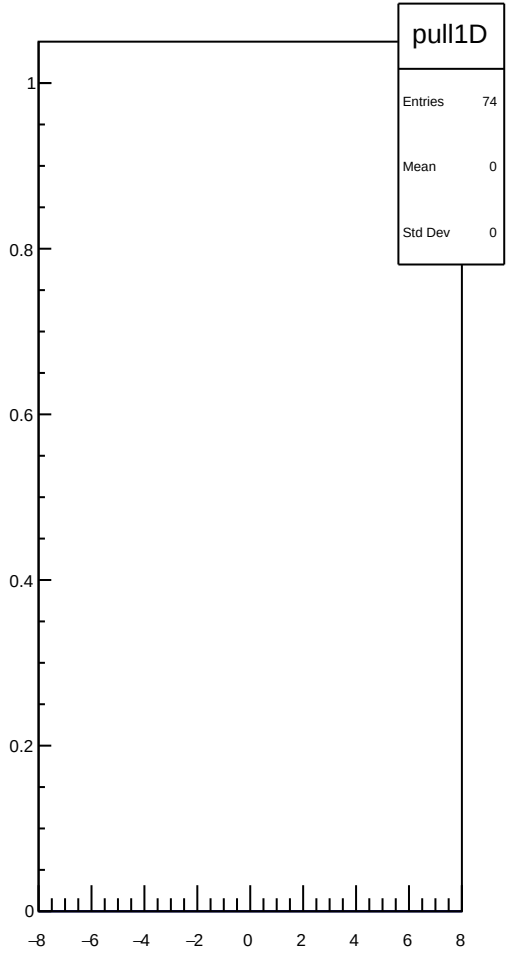


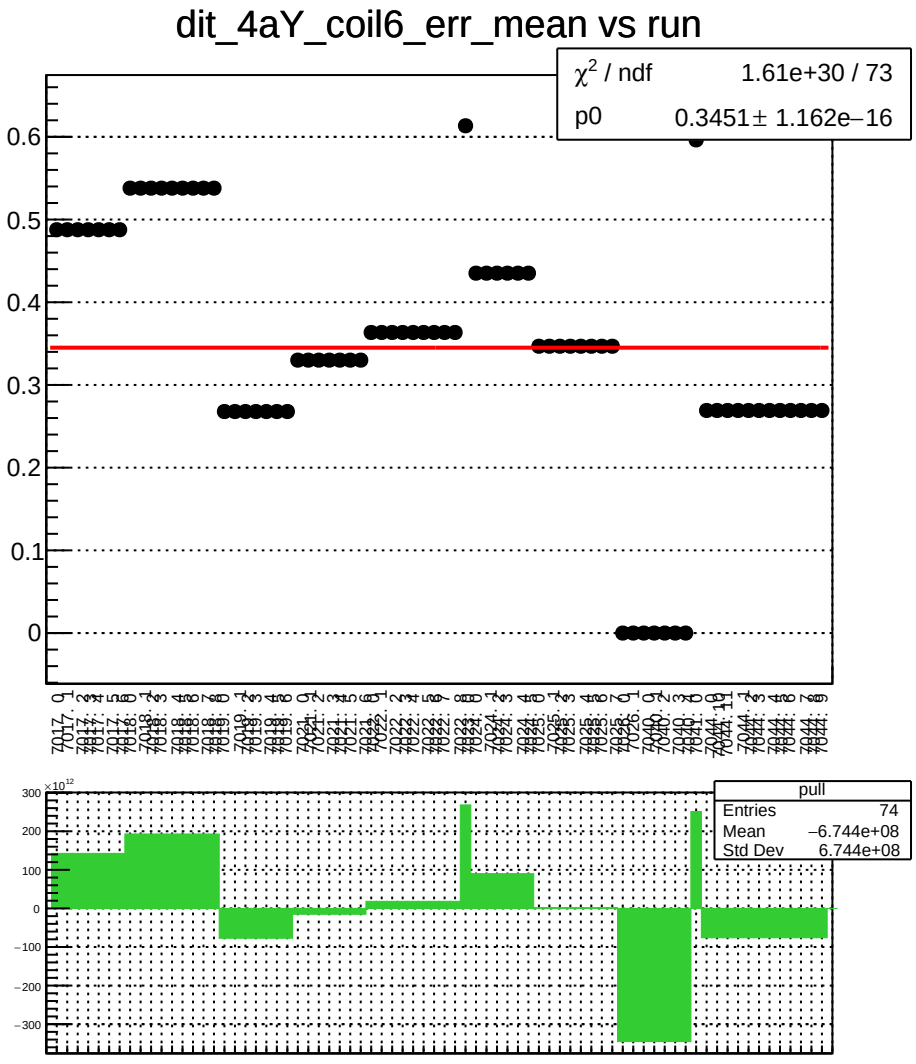
dit_11X12X_coil6_Ndata_mean vs run

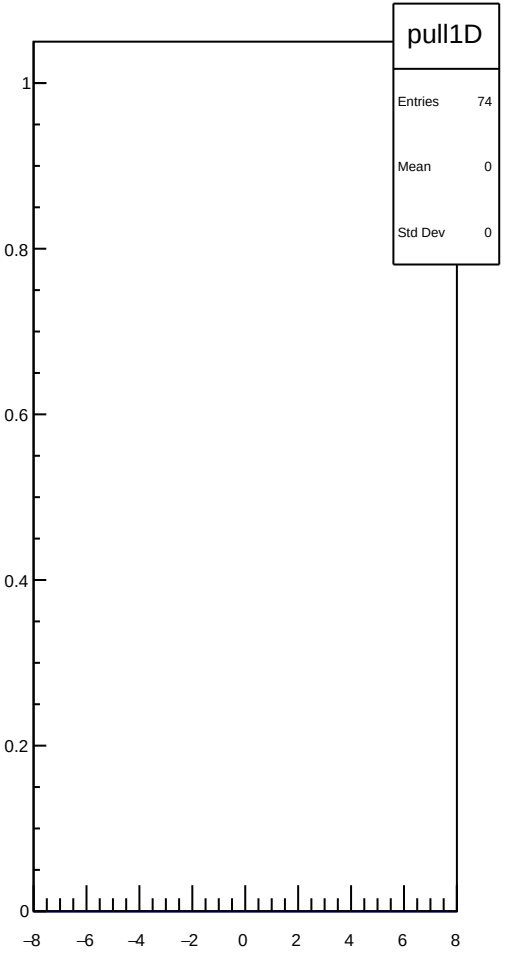




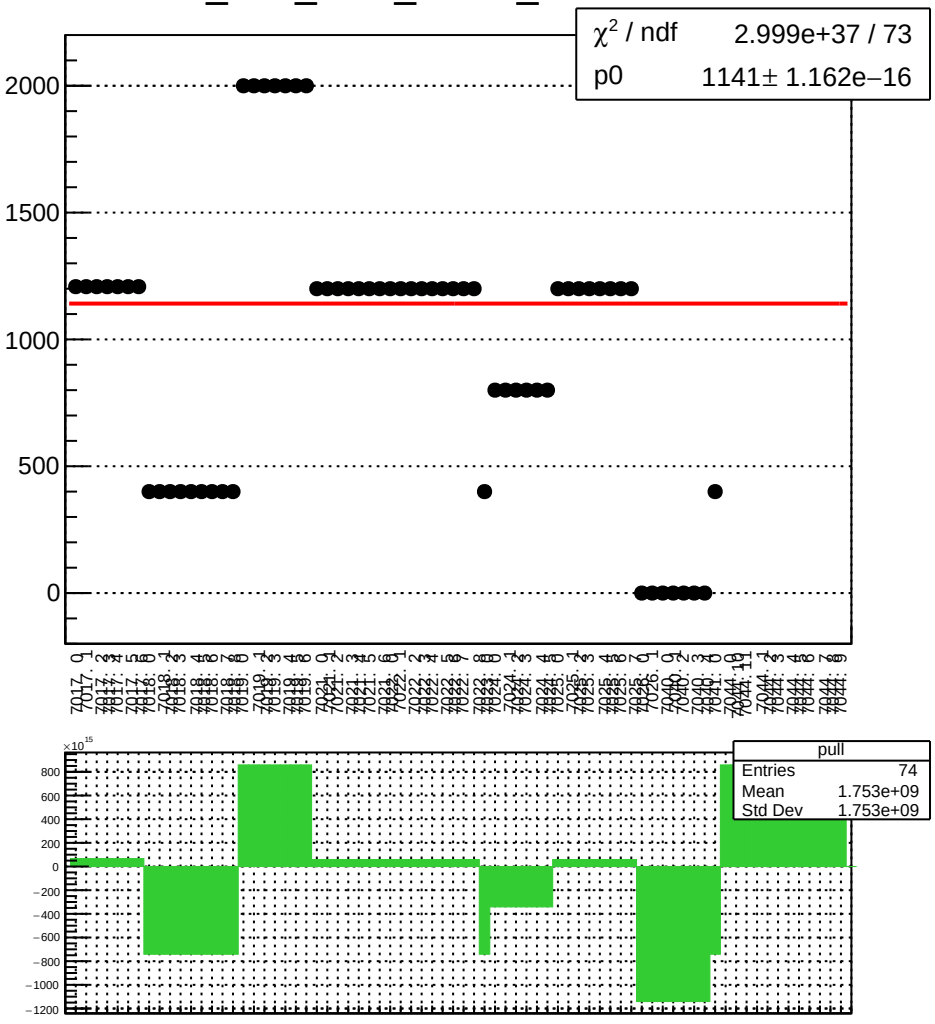

dit_4aY_coil6_mean vs run
χ^2 / ndf 2.079e+34 / 73
p0 51.83 ± 1.162e−16
pull
Entries 74
Mean 4.117e+09
Std Dev 4.117e+09

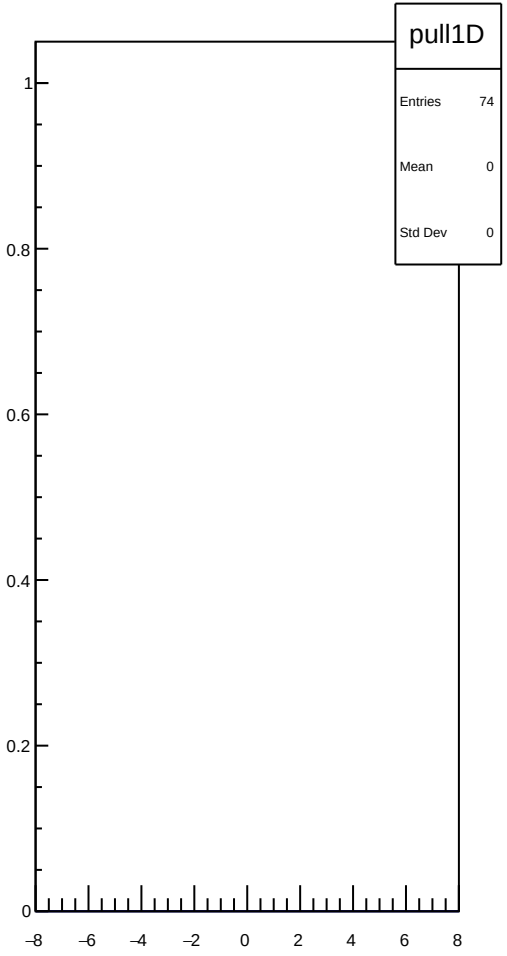

pull1D
Entries 74
Mean 0
Std Dev 0

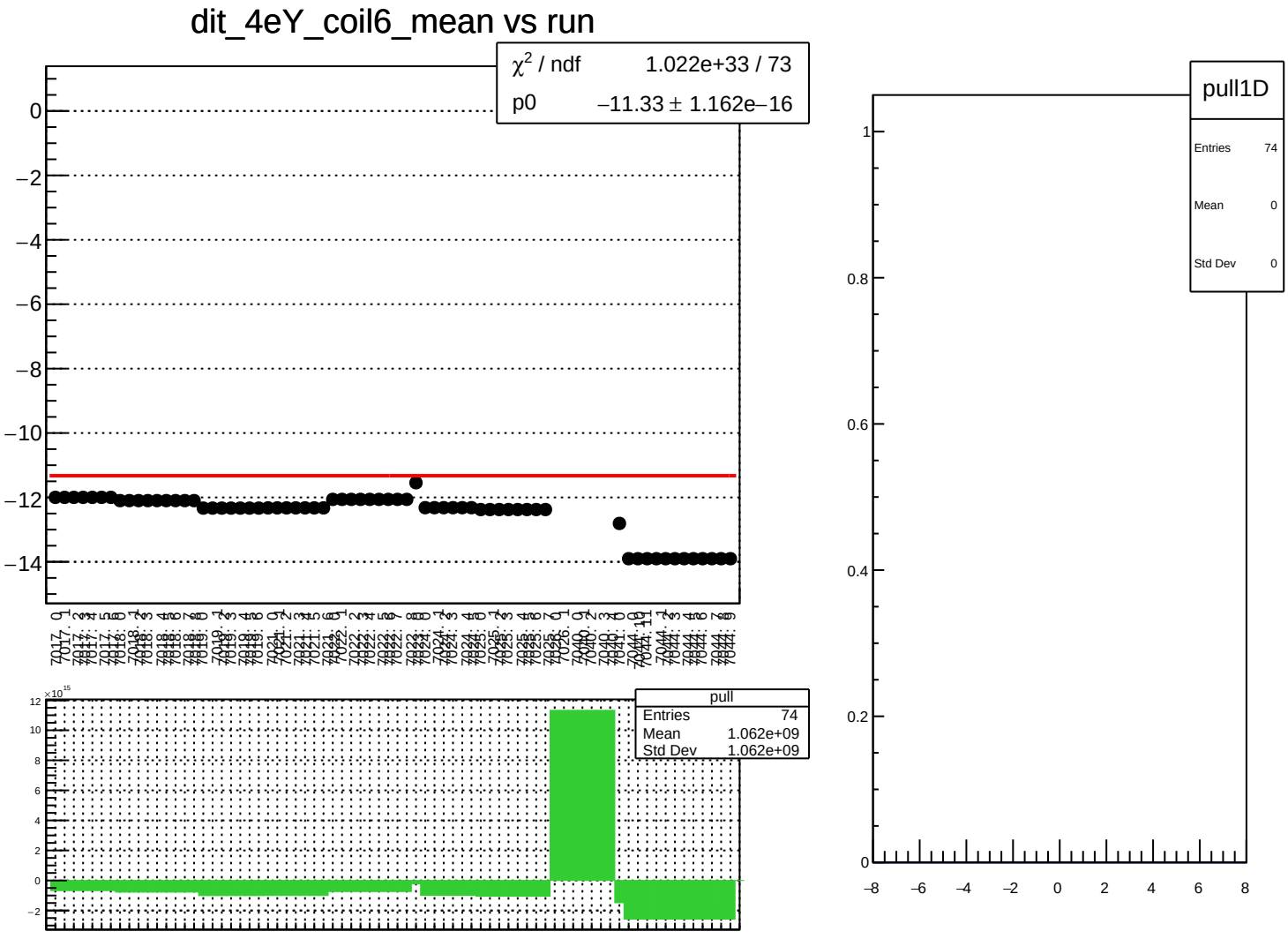

dit_4aY_coil6_err_mean vs run
χ2 / ndf 1.61e+30 / 73
p0 0.3451 ± 1.162e−16
pull
Entries 74
Mean −6.744e+08
Std Dev 6.744e+08


pull1D
Entries 74
Mean 0
Std Dev 0

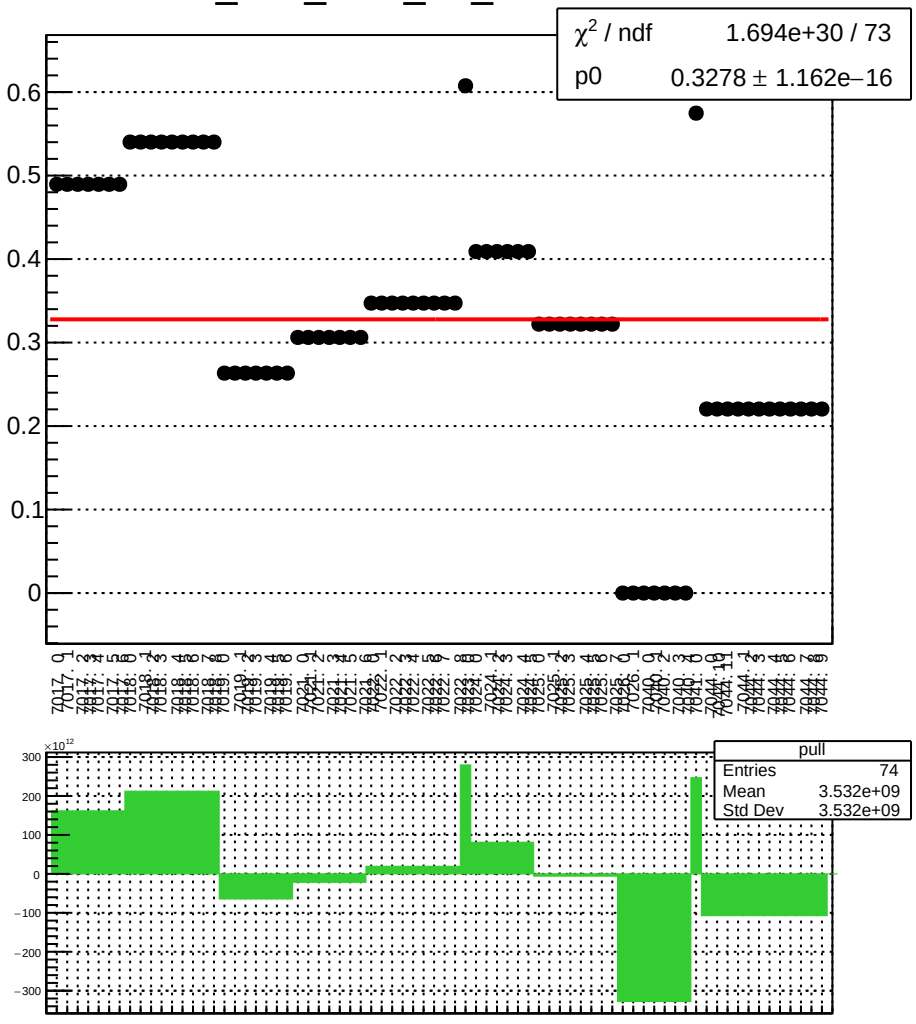
dit_4aY_coil6_Ndata_mean vs run

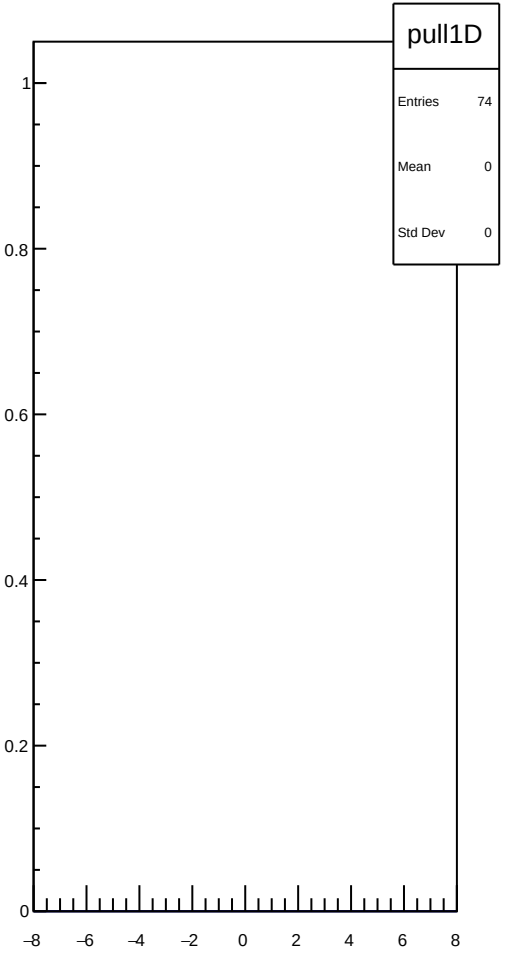




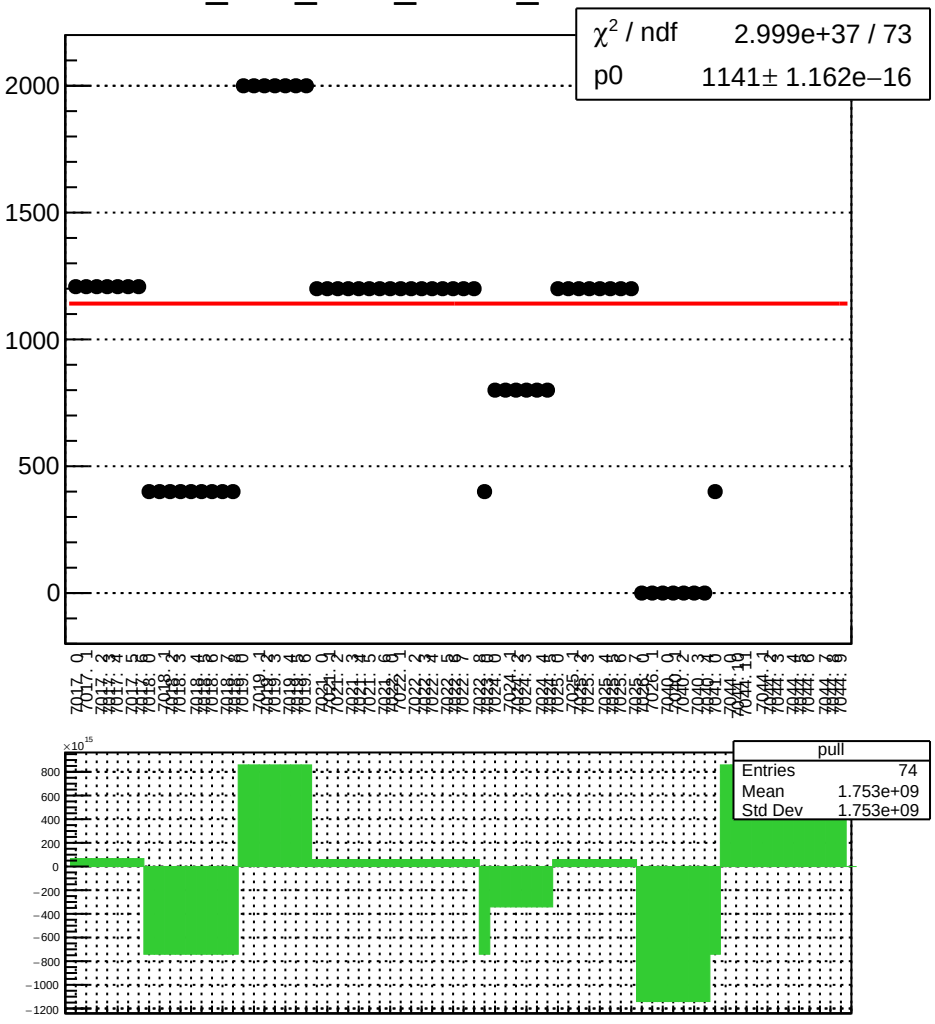

dit_4eY_coil6_mean vs run
χ² / ndf 1.022e+33 / 73
p0 −11.33 ± 1.162e−16
pull
Entries 74
Mean 1.062e+09
Std Dev 1.062e+09
pull1D
Entries 74
Mean 0
Std Dev 0

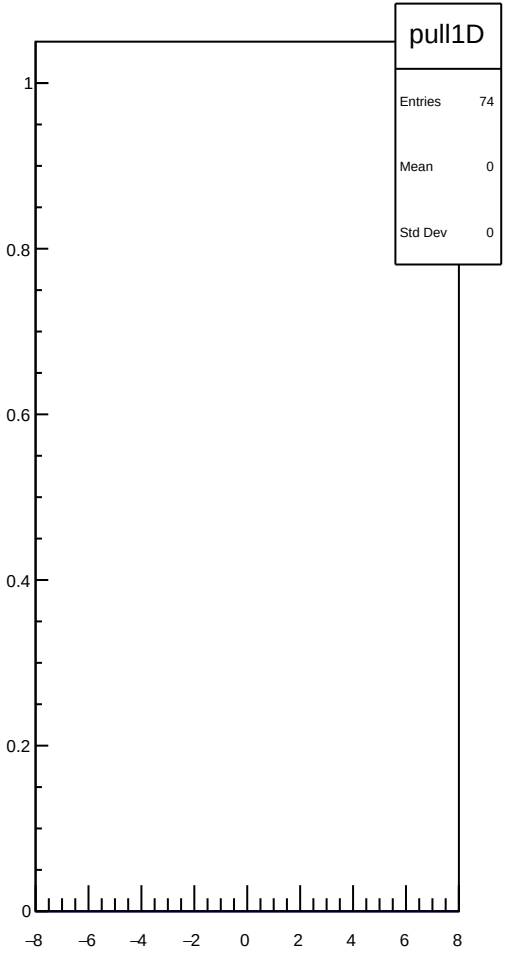
dit_4eY_coil6_err_mean vs run

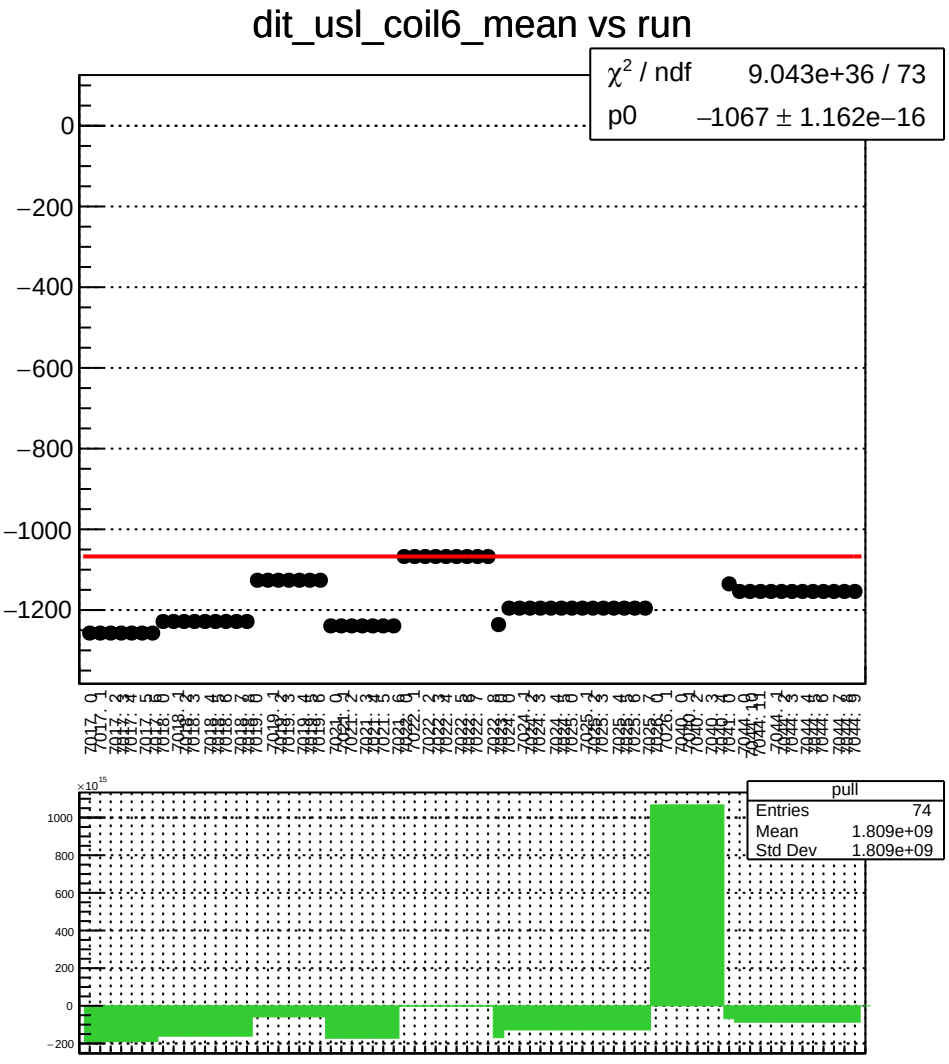


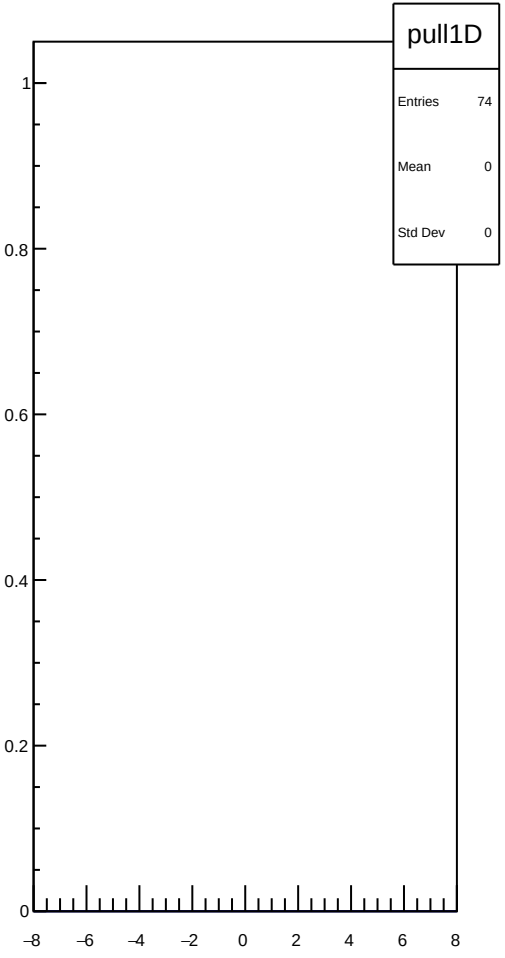


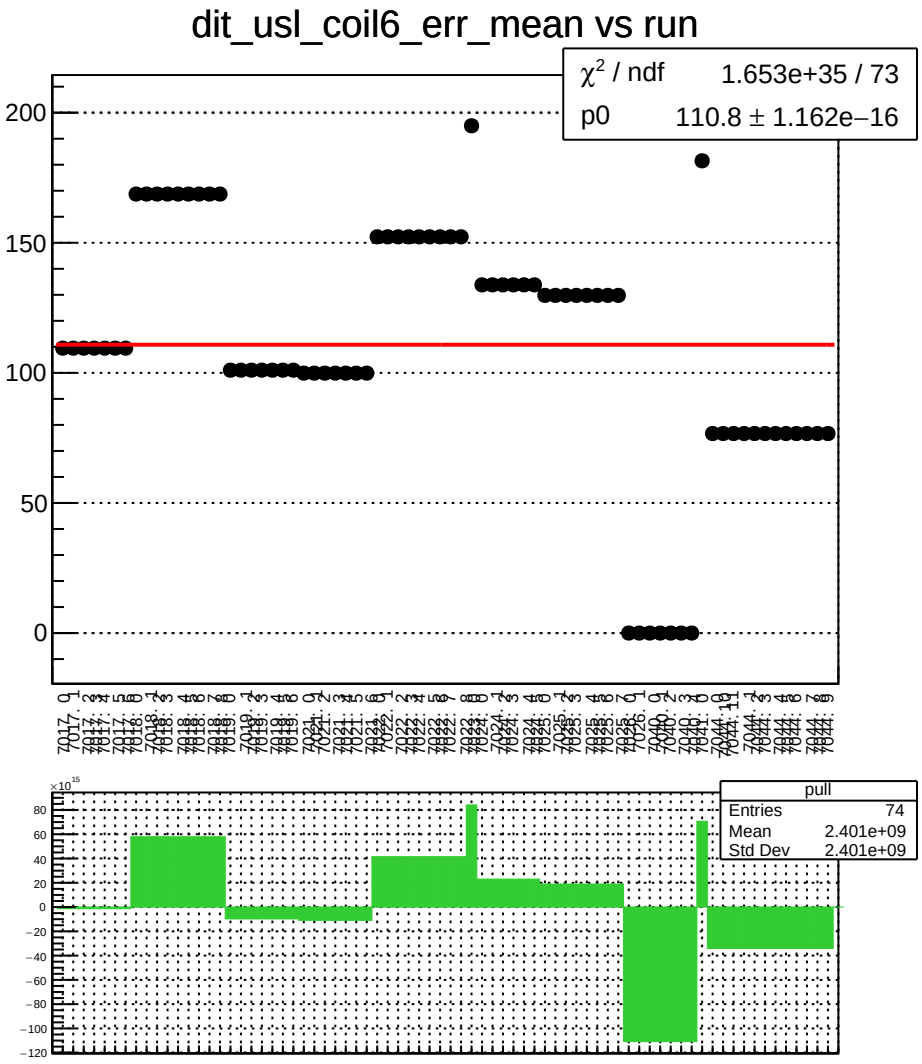
dit_4eY_coil6_Ndata_mean vs run

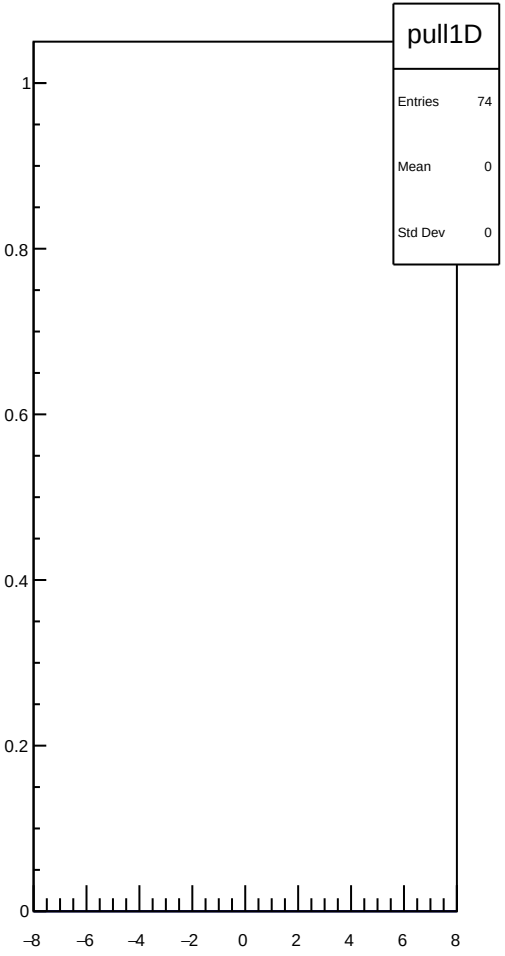


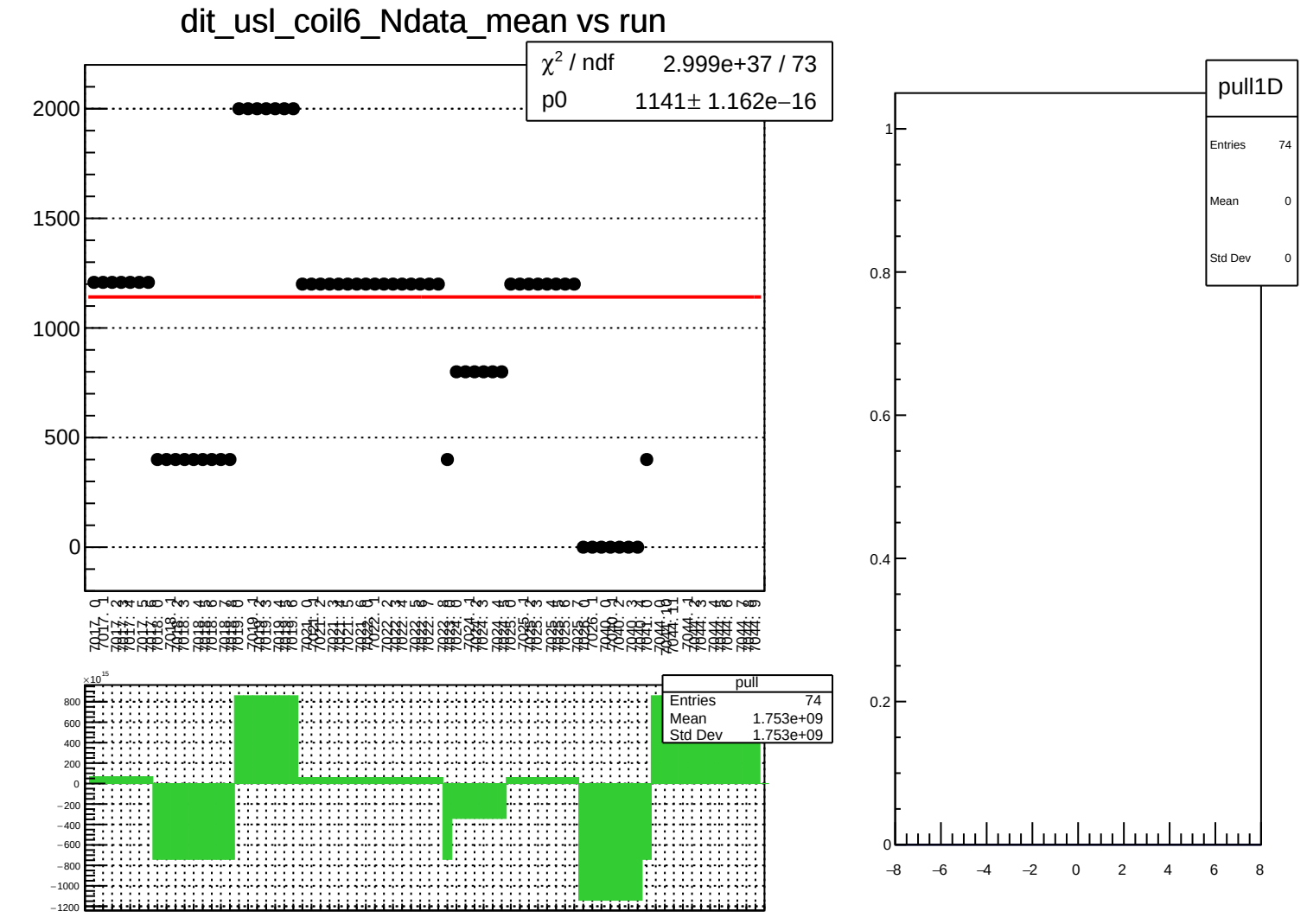


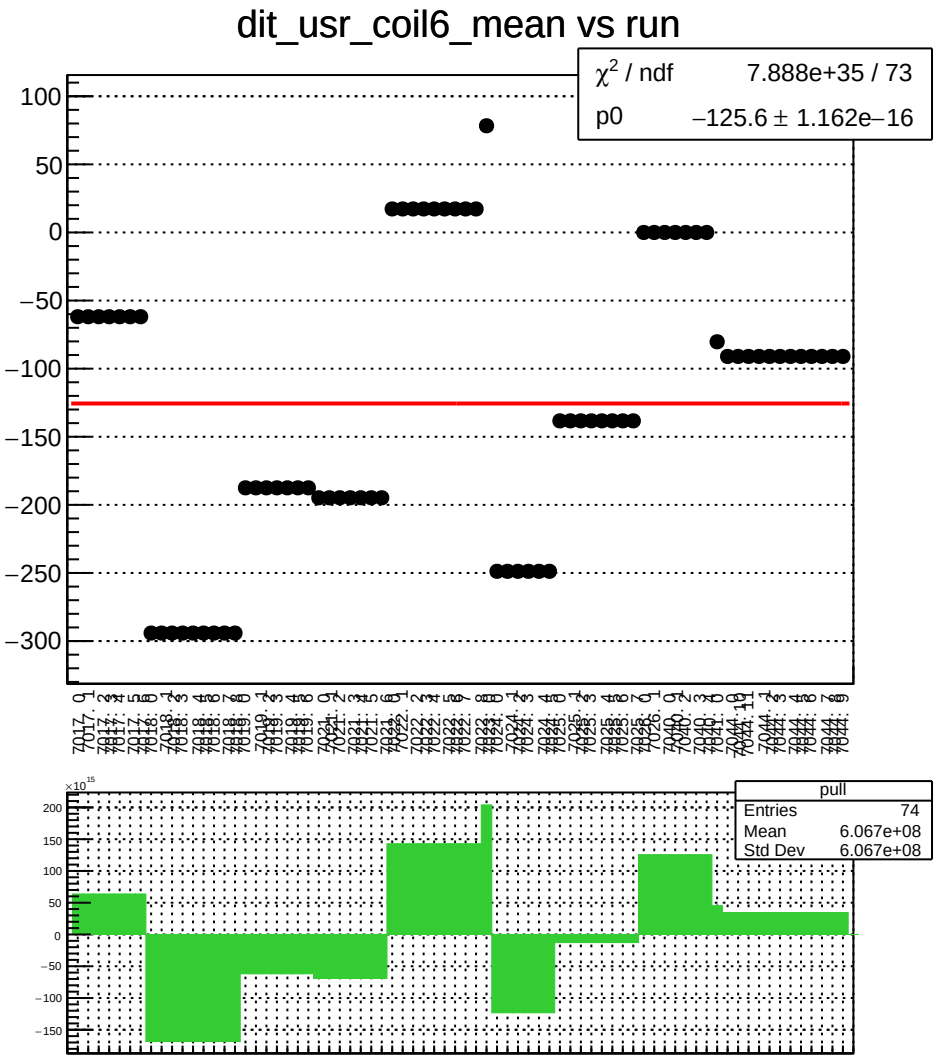

dit_usl_coil6_mean vs run
χ² / ndf 9.043e+36 / 73
p0 −1067 ± 1.162e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 74
Mean 1.809e+09
Std Dev 1.809e+09
×10¹⁵
1000
800
600
400
200
0
−200

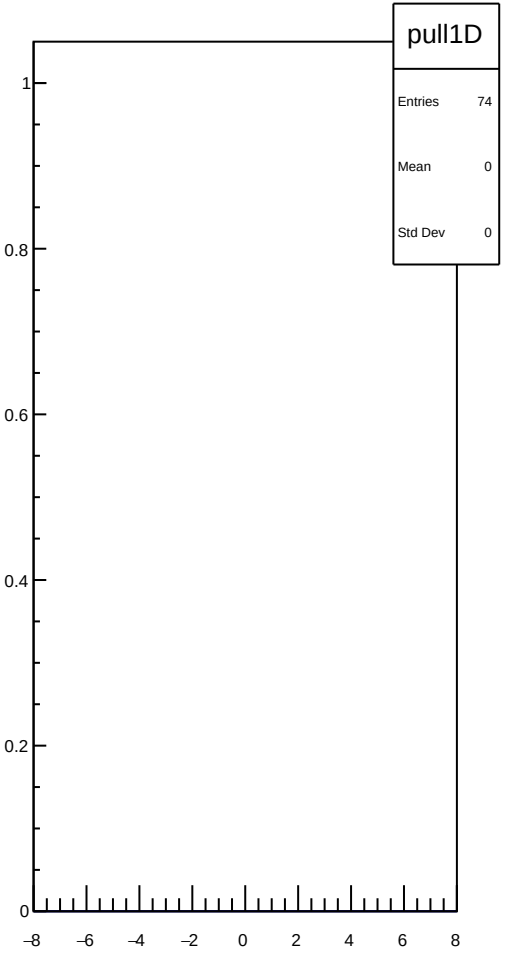

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

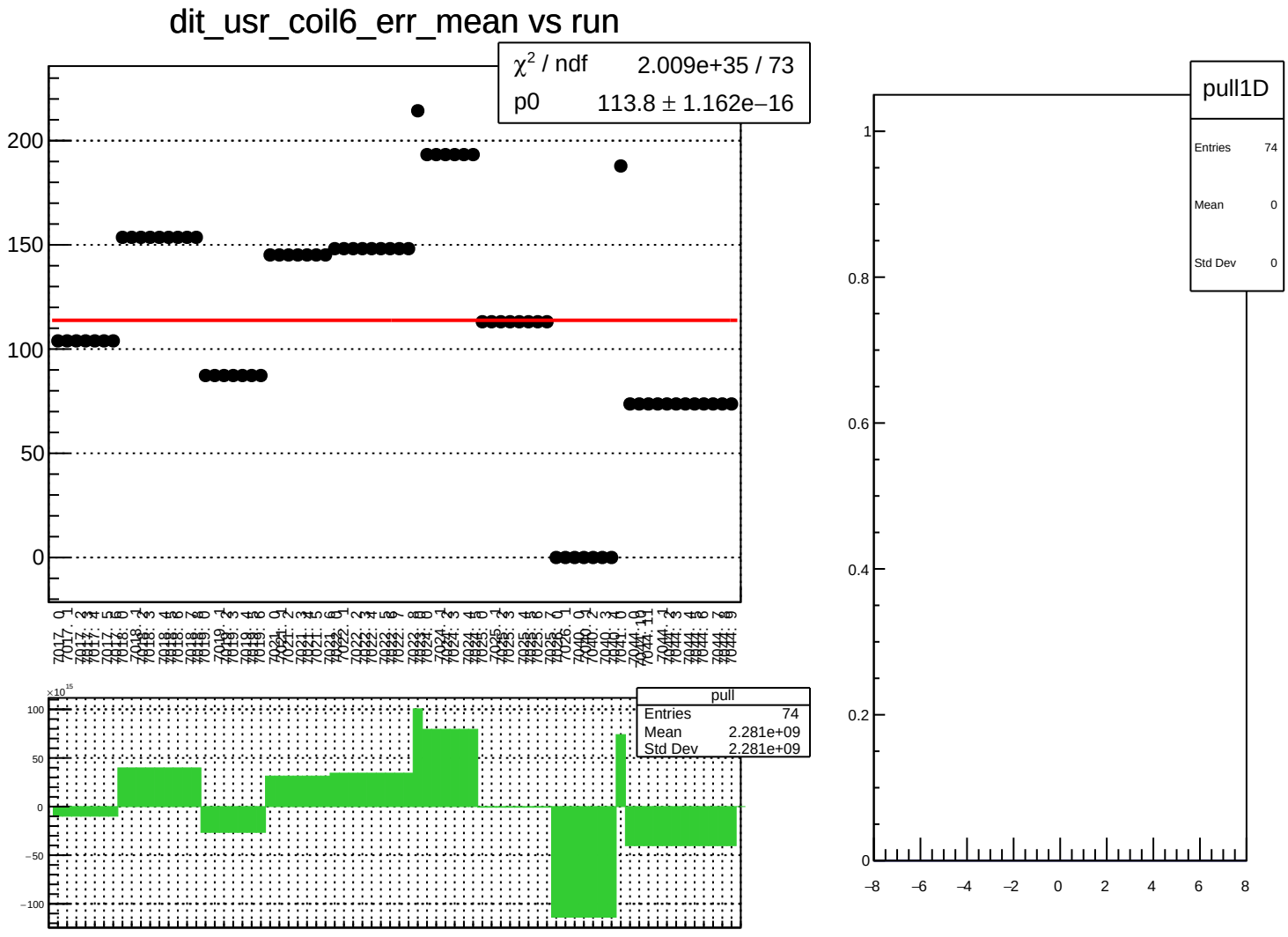

dit_usl_coil6_err_mean vs run
χ² / ndf 1.653e+35 / 73
p0 110.8 ± 1.162e−16
pull
Entries 74
Mean 2.401e+09
Std Dev 2.401e+09

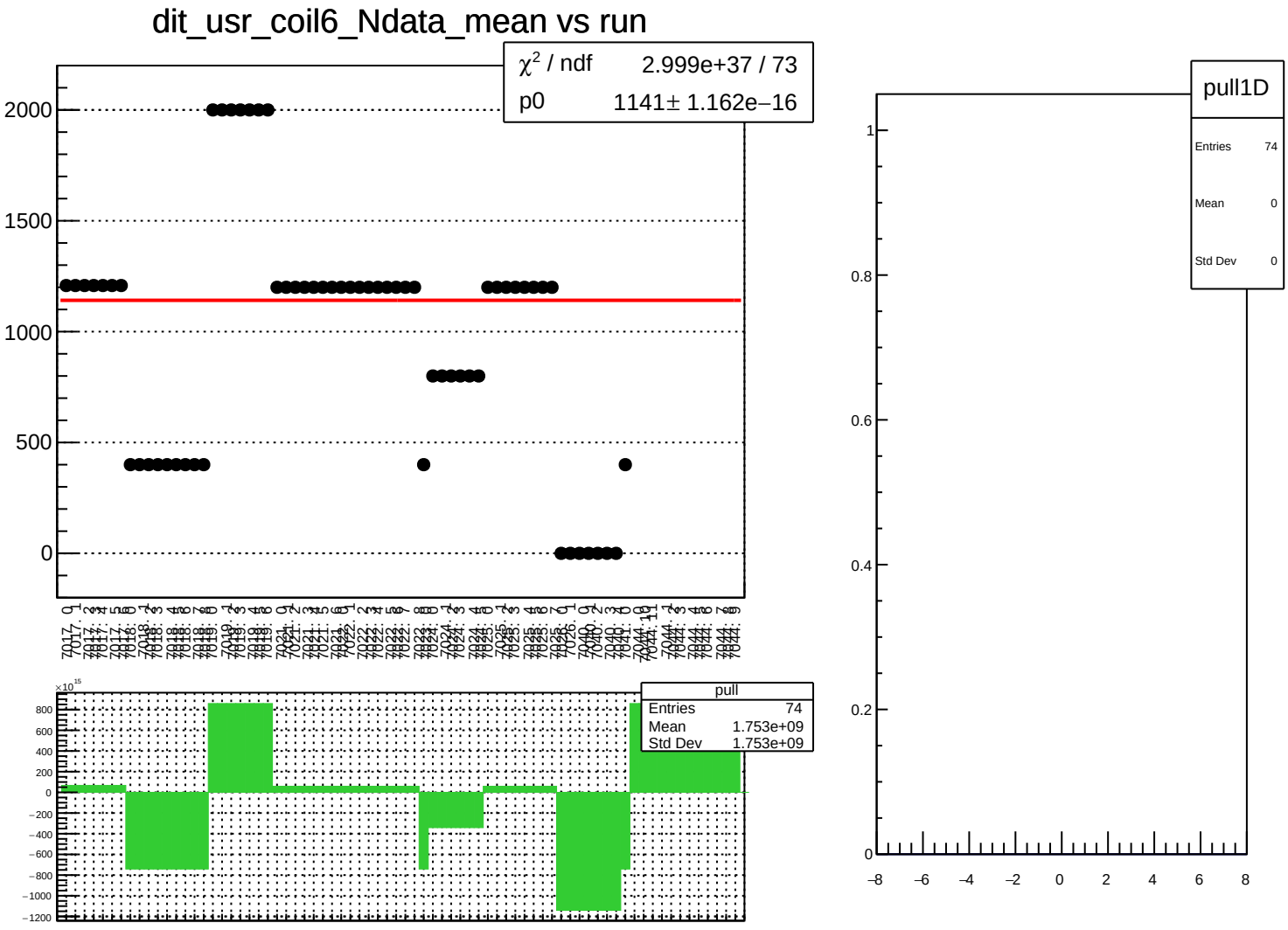

pull1D
Entries 74
Mean 0
Std Dev 0

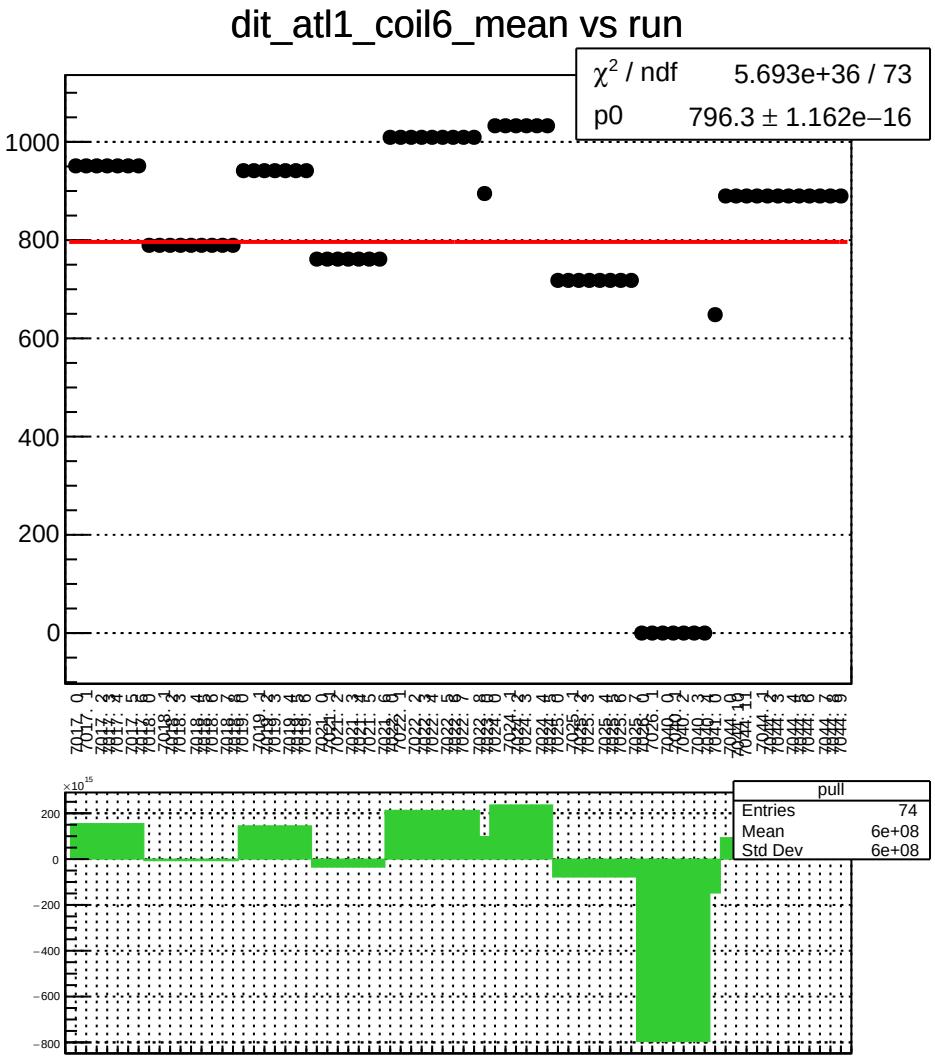

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

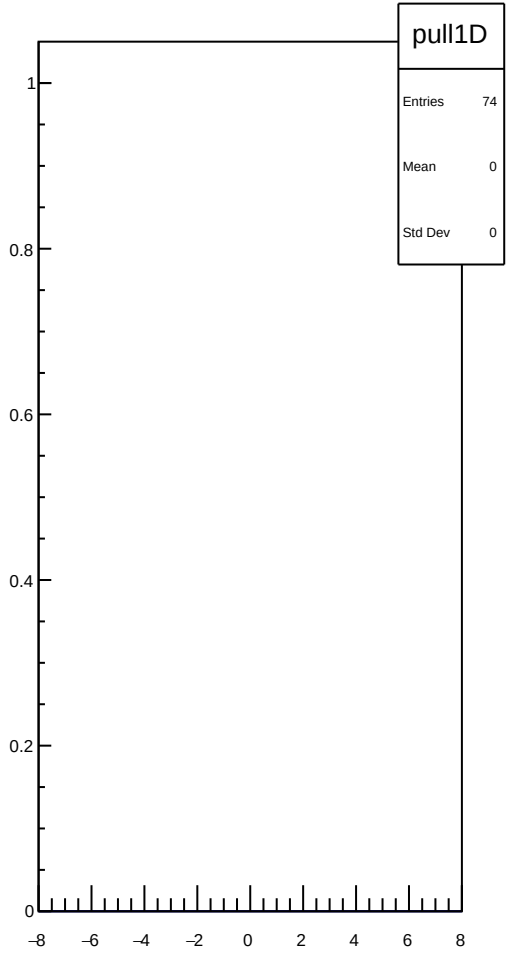

dit_usr_coil6_mean vs run
χ² / ndf 7.888e+35 / 73
p0 −125.6 ± 1.162e−16
pull
Entries 74
Mean 6.067e+08
Std Dev 6.067e+08

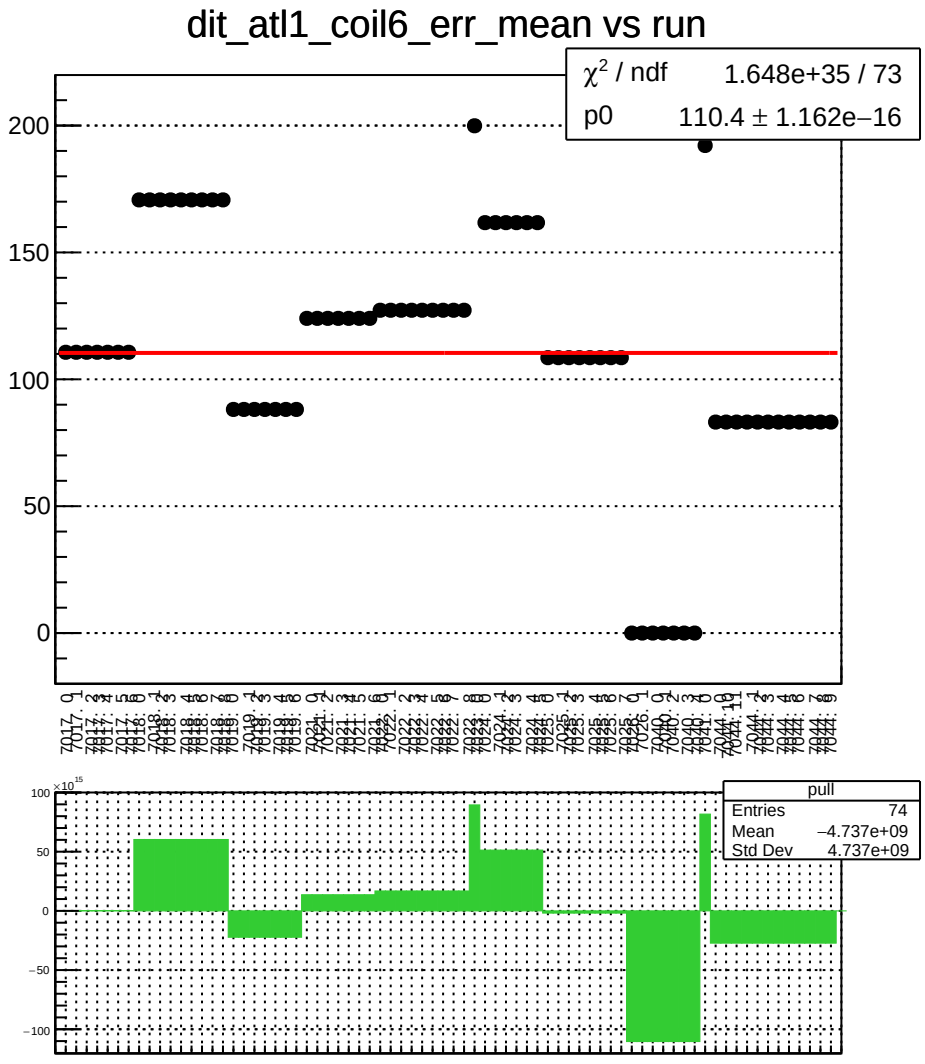

pull1D
Entries 74
Mean 0
Std Dev 0

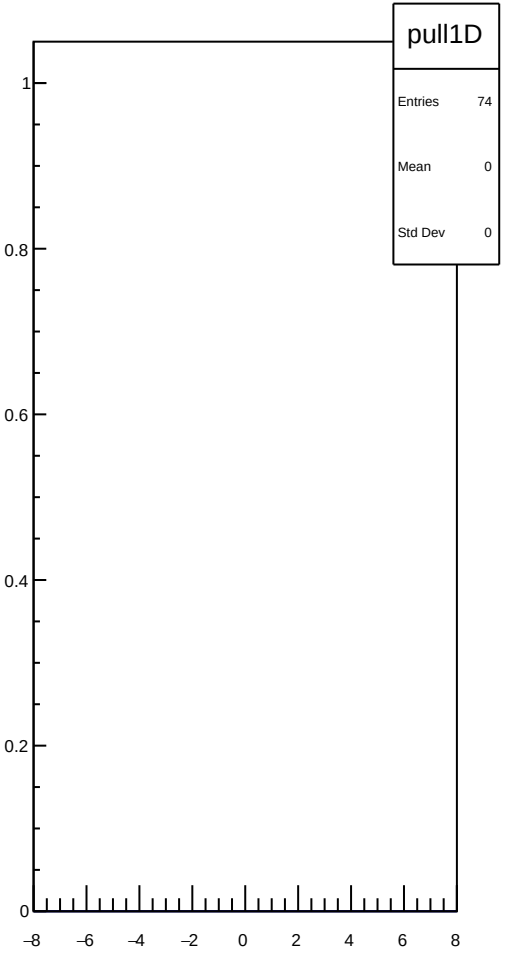

dit_usr_coil6_err_mean vs run
χ² / ndf 2.009e+35 / 73
p0 113.8 ± 1.162e−16
pull
Entries 74
Mean 2.281e+09
Std Dev 2.281e+09
pull1D
Entries 74
Mean 0
Std Dev 0


dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

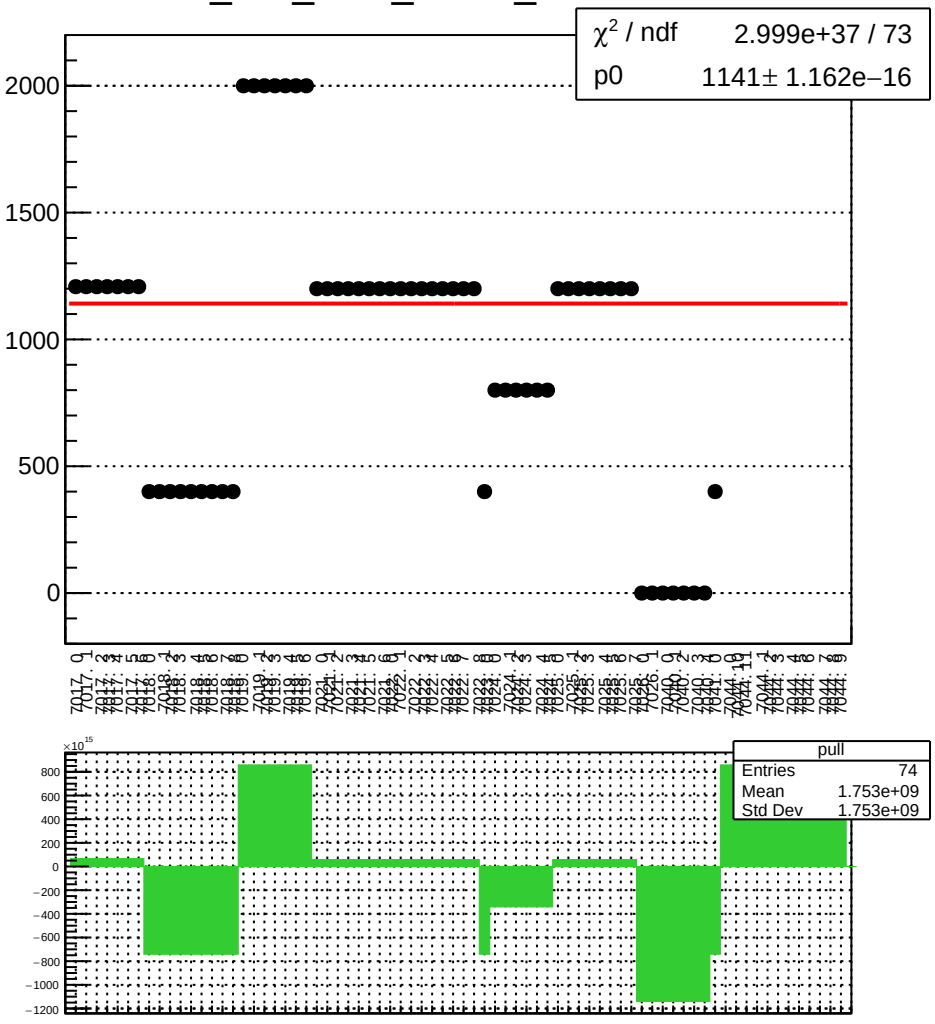

dit_atl1_coil6_mean vs run
χ^2 / ndf 5.693e+36 / 73
p0 796.3 ± 1.162e−16
1000
800
600
400
200
0
pull
Entries 74
Mean 6e+08
Std Dev 6e+08
200
0
−200
−400
−600
−800

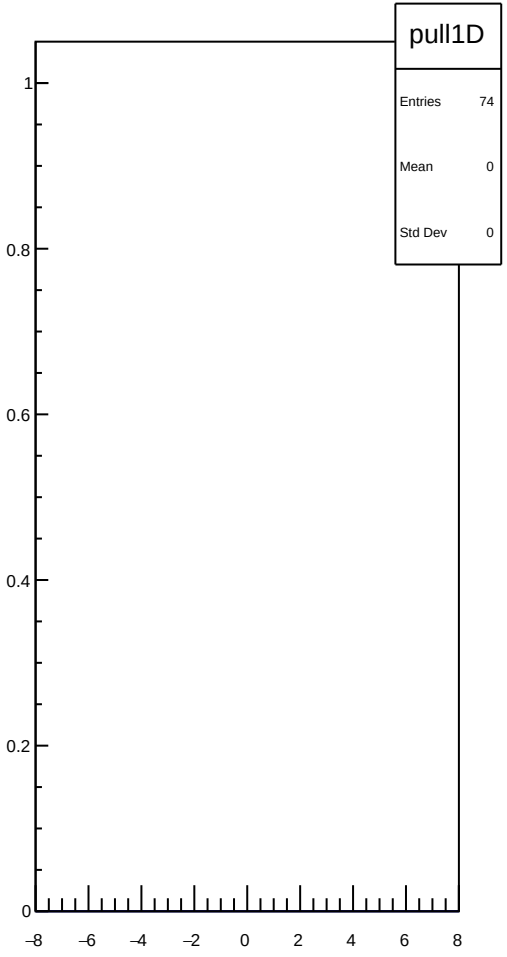

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

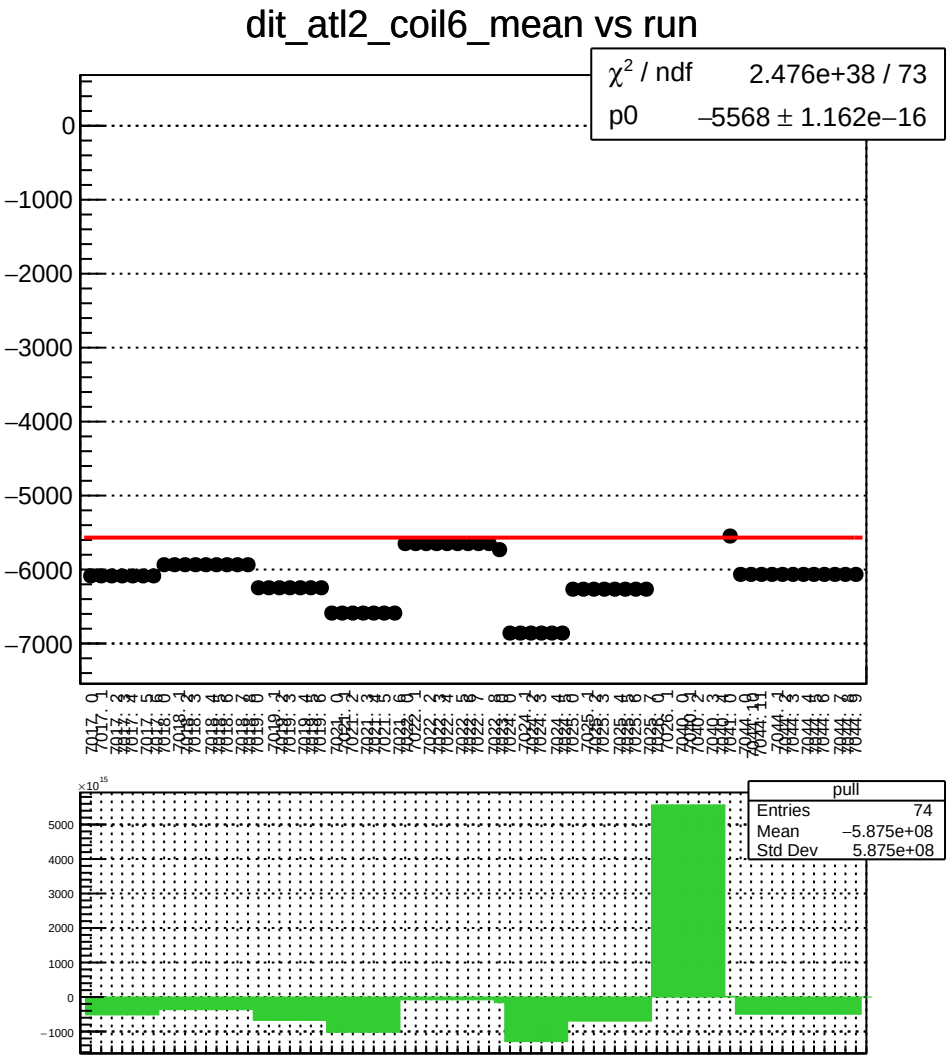

dit_atl1_coil6_err_mean vs run
χ^2 / ndf 1.648e+35 / 73
p0 110.4 ± 1.162e−16
200
150
100
50
0
pull
Entries 74
Mean −4.737e+09
Std Dev 4.737e+09
$\times 10^{15}$
100
50
0
−50
−100

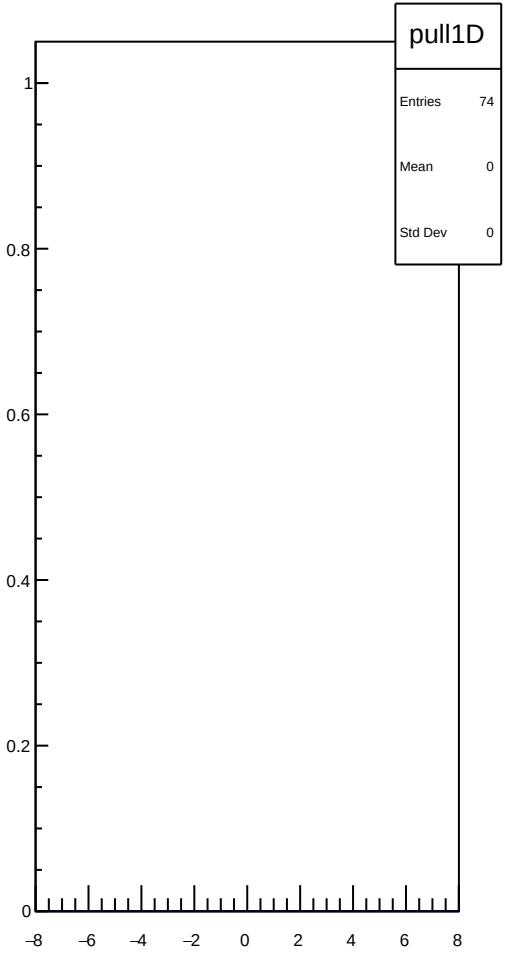

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

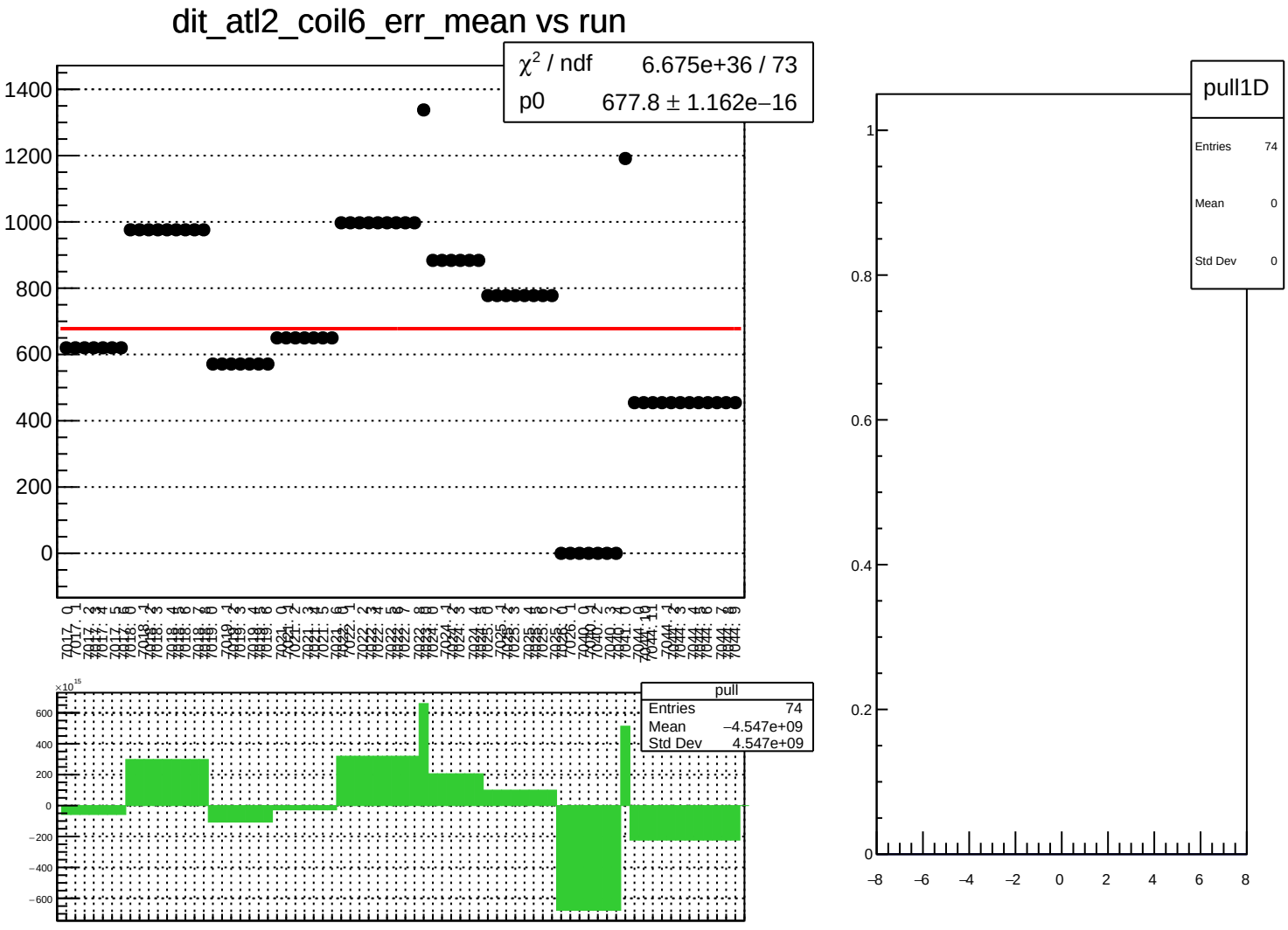
dit_atl1_coil6_Ndata_mean vs run

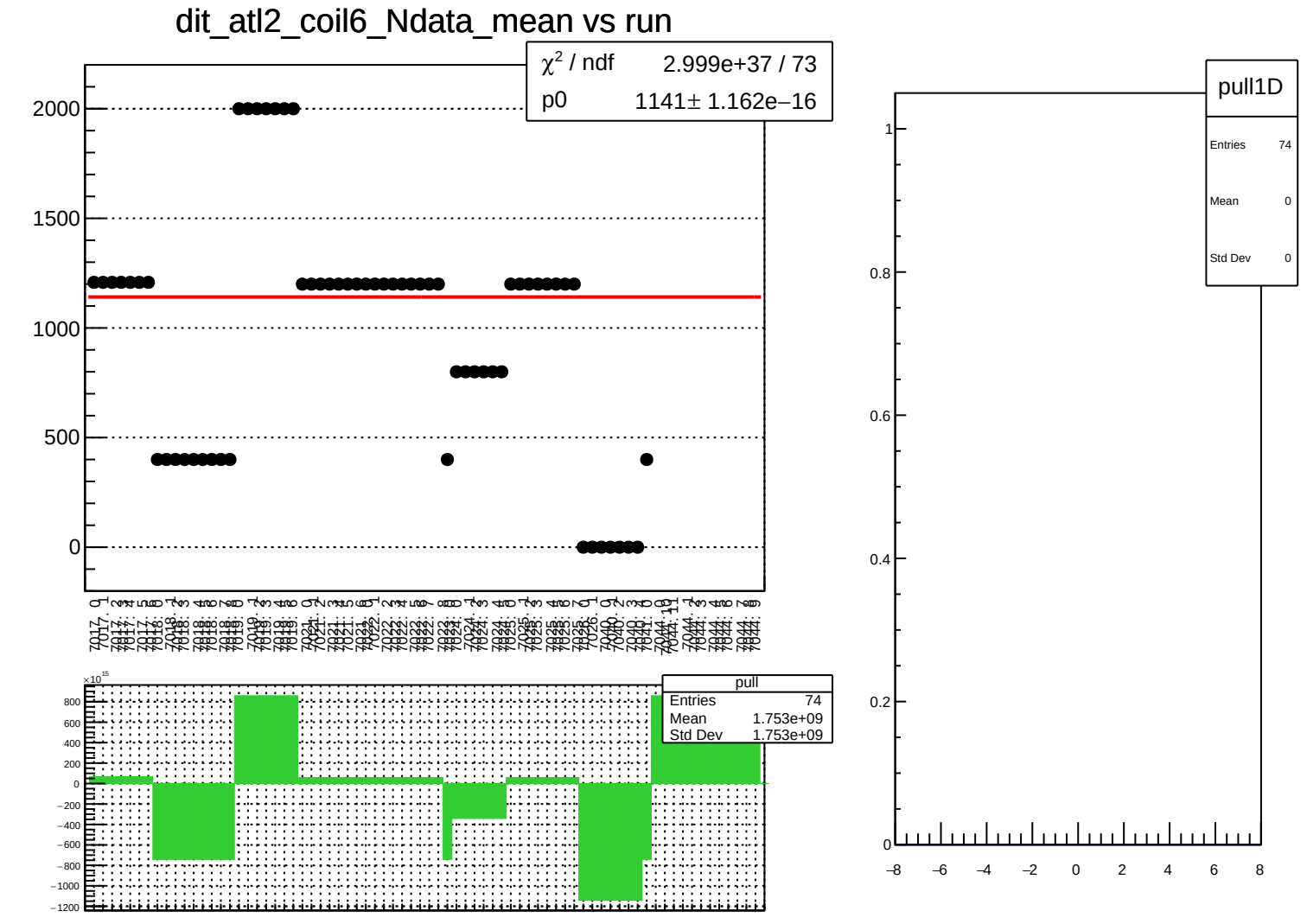


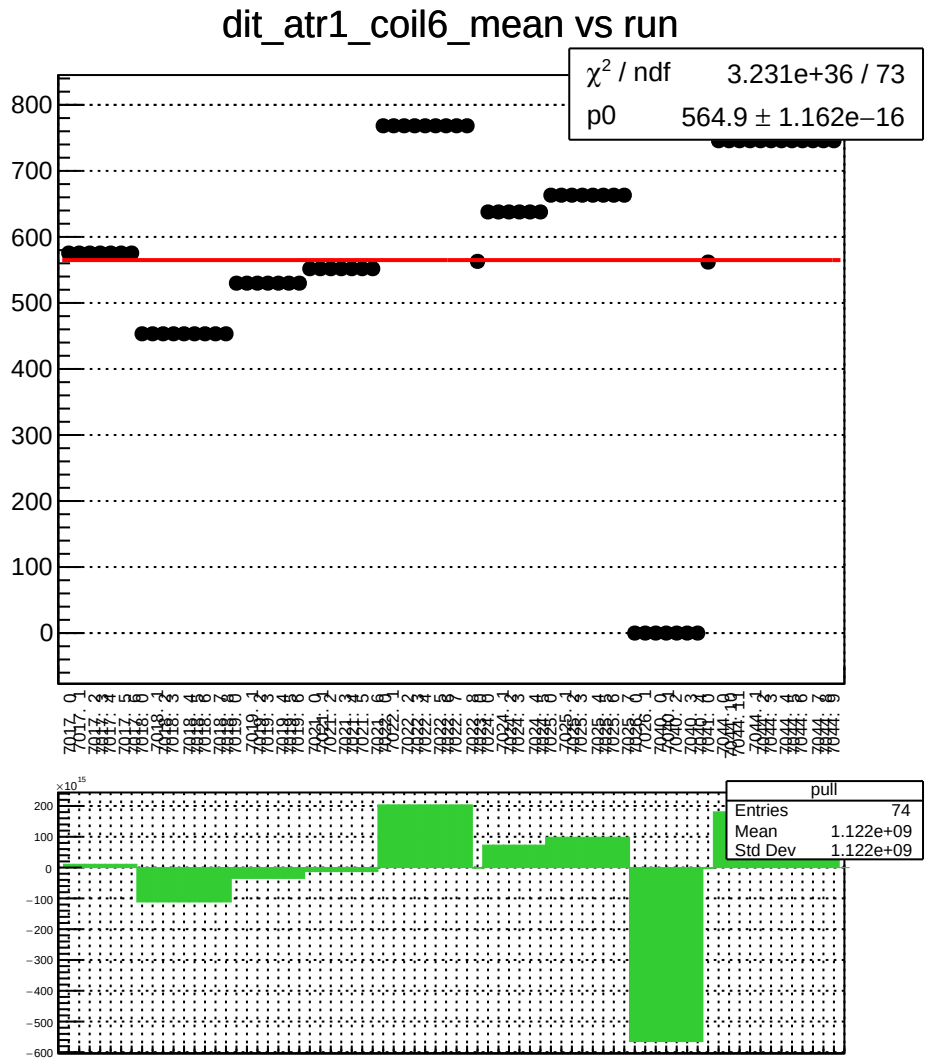


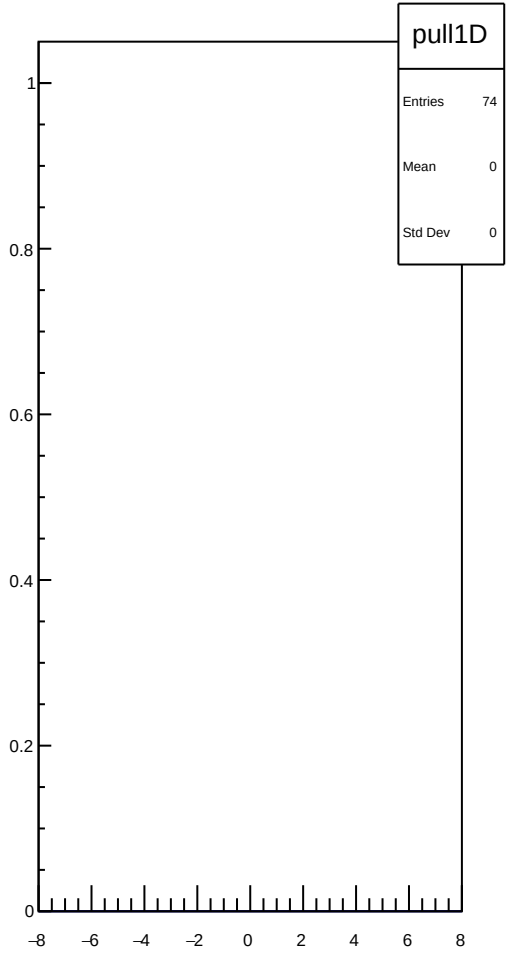

dit_atl2_coil6_mean vs run
χ^2 / ndf 2.476e+38 / 73
p0 –5568 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 74
Mean –5.875e+08
Std Dev 5.875e+08
×10^15
5000
4000
3000
2000
1000
0
–1000

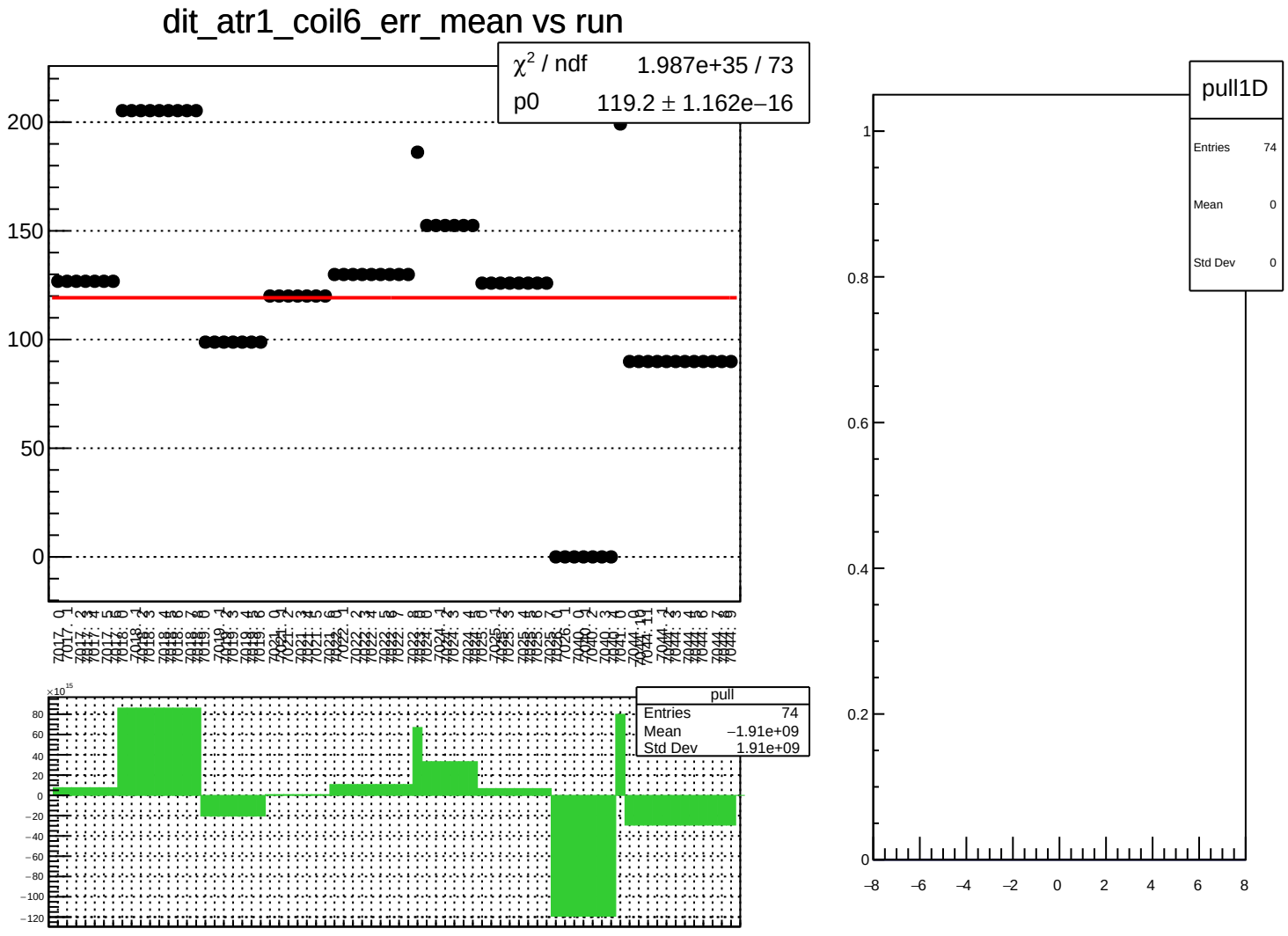

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_atl2_coil6_err_mean vs run
χ² / ndf 6.675e+36 / 73
p0 677.8 ± 1.162e−16
pull
Entries 74
Mean −4.547e+09
Std Dev 4.547e+09
pull1D
Entries 74
Mean 0
Std Dev 0

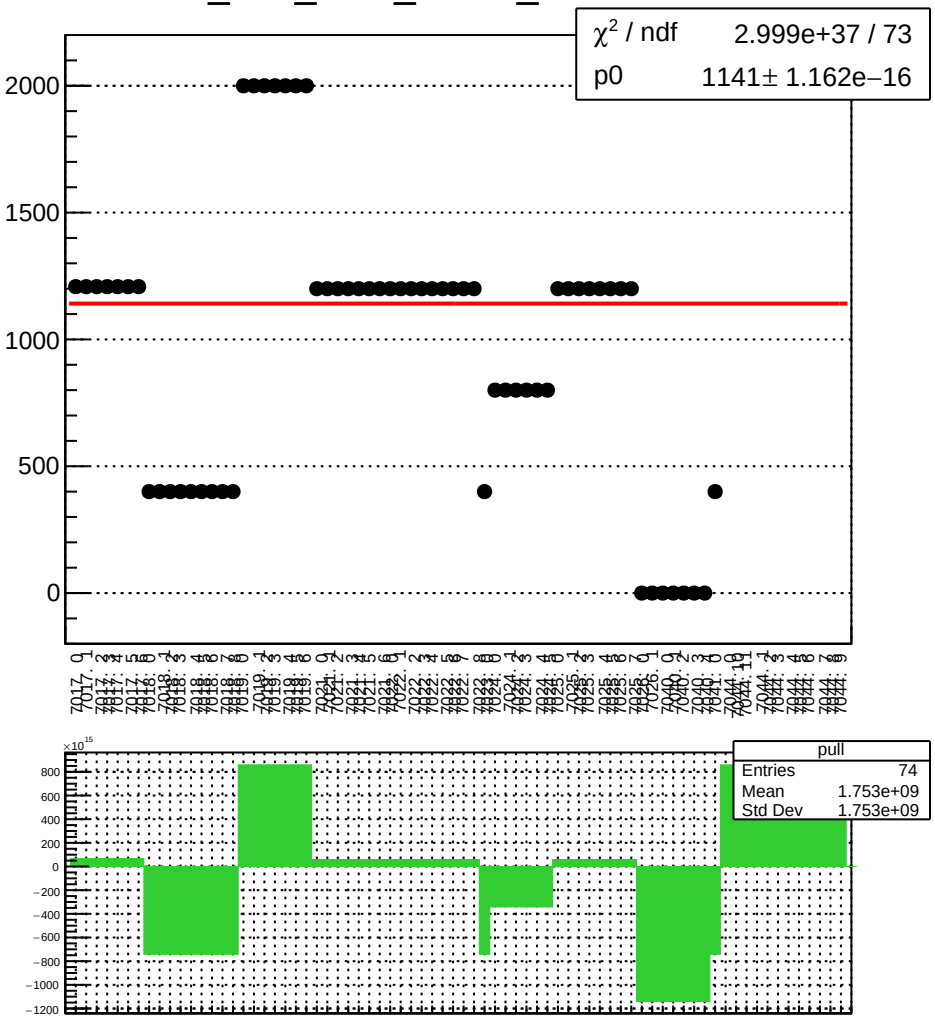

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

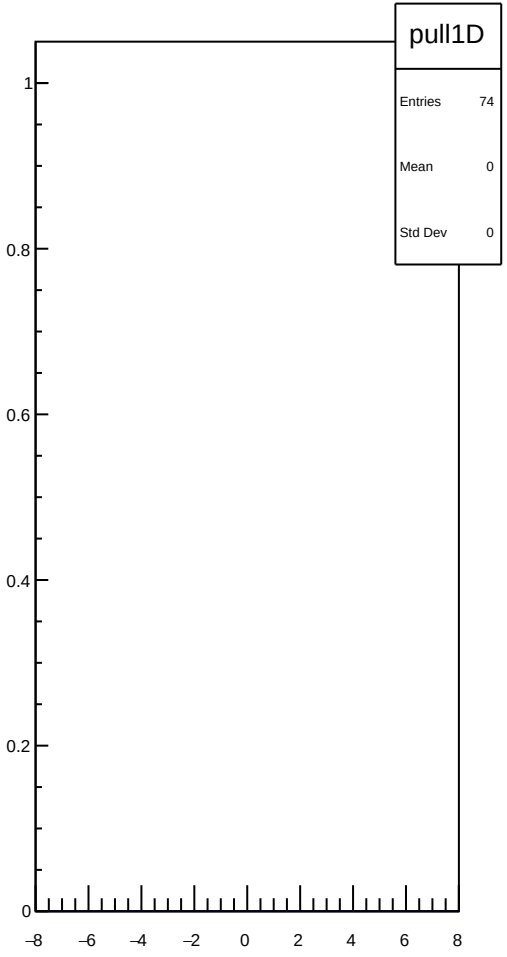

dit_atr1_coil6_mean vs run
χ² / ndf 3.231e+36 / 73
p0 564.9 ± 1.162e−16
pull
Entries 74
Mean 1.122e+09
Std Dev 1.122e+09

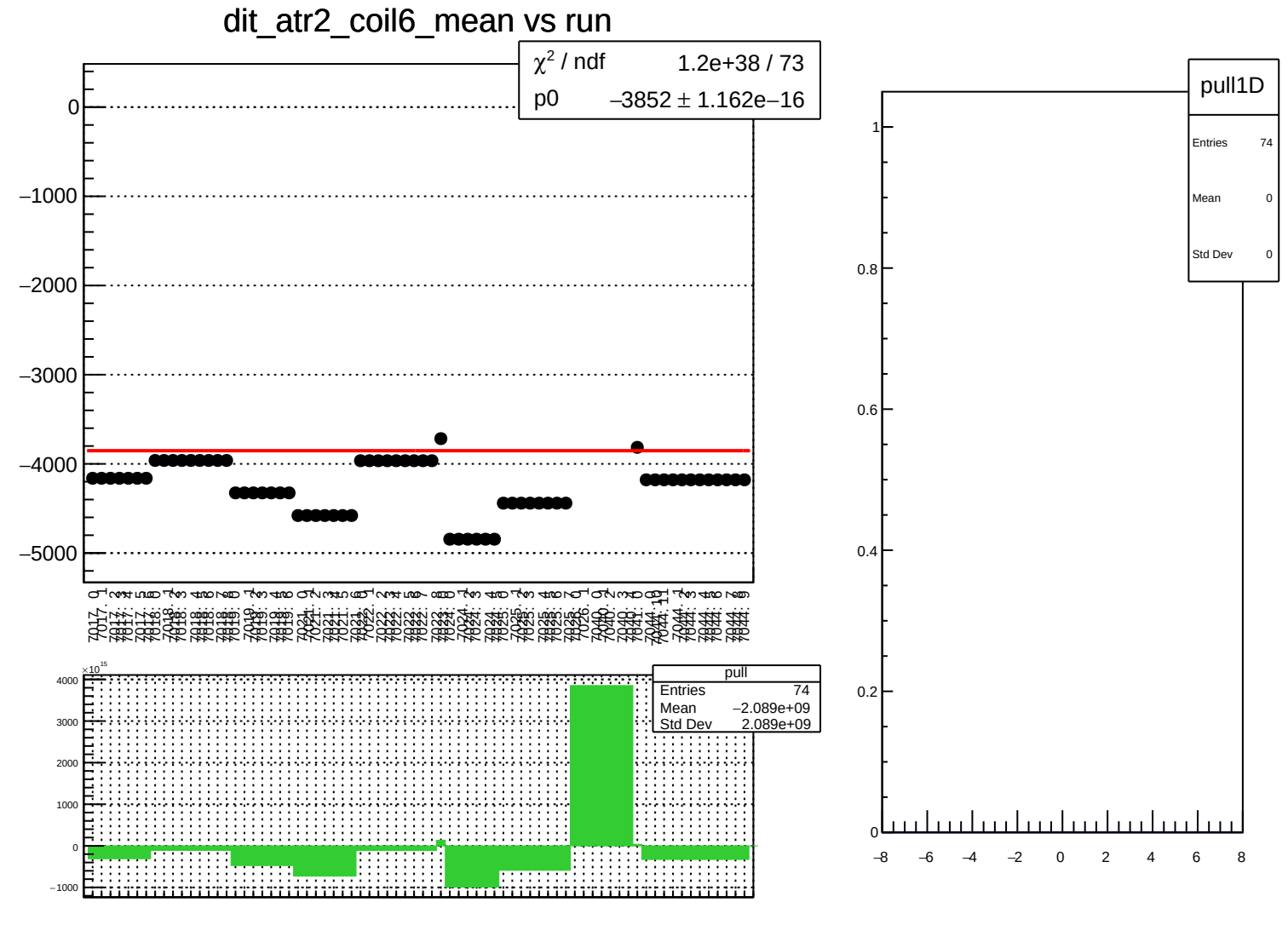

pull1D
Entries 74
Mean 0
Std Dev 0

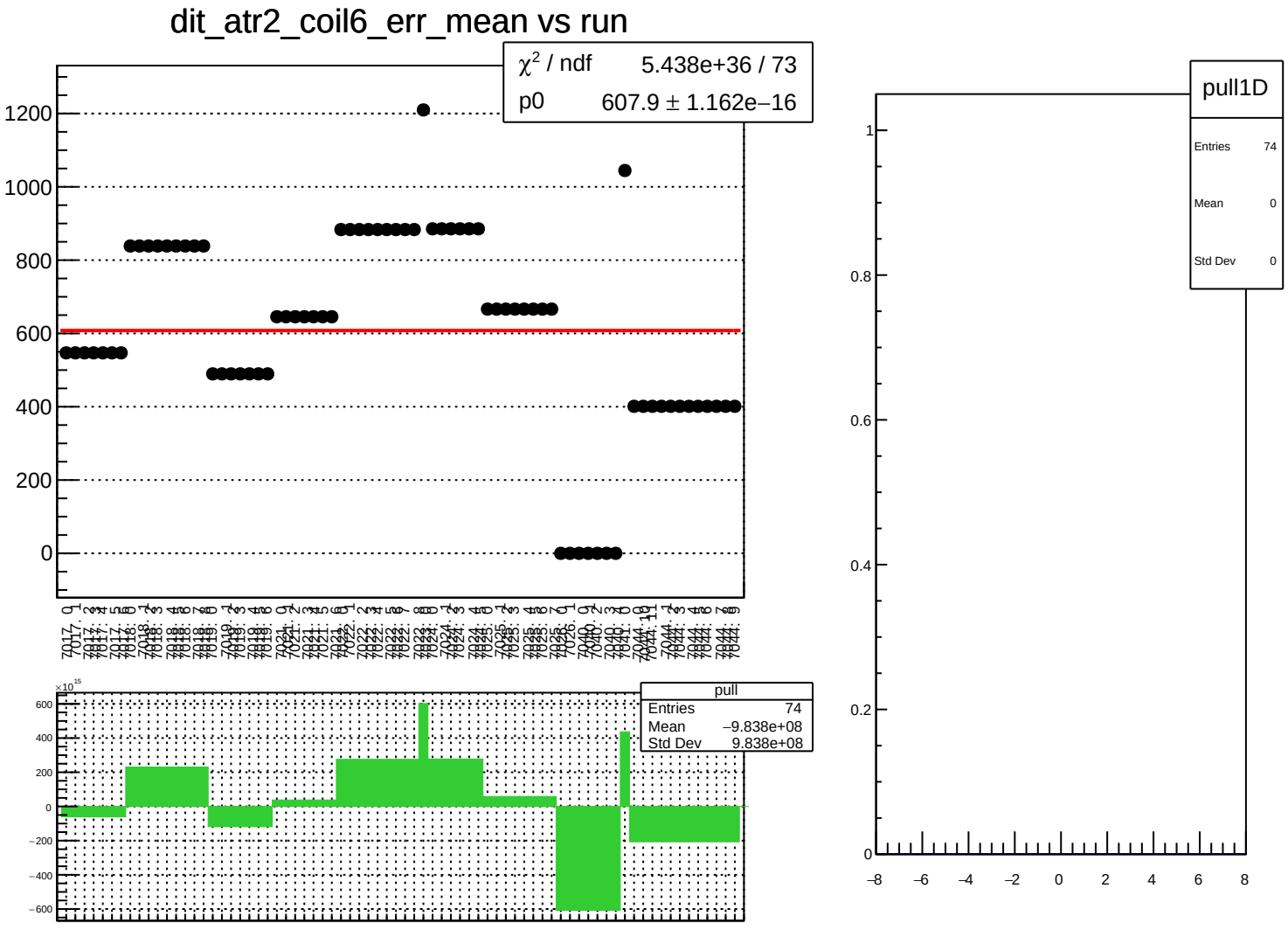

dit_atr1_coil6_err_mean vs run
χ² / ndf 1.987e+35 / 73
p0 119.2 ± 1.162e−16
pull
Entries 74
Mean −1.91e+09
Std Dev 1.91e+09
pull1D
Entries 74
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run

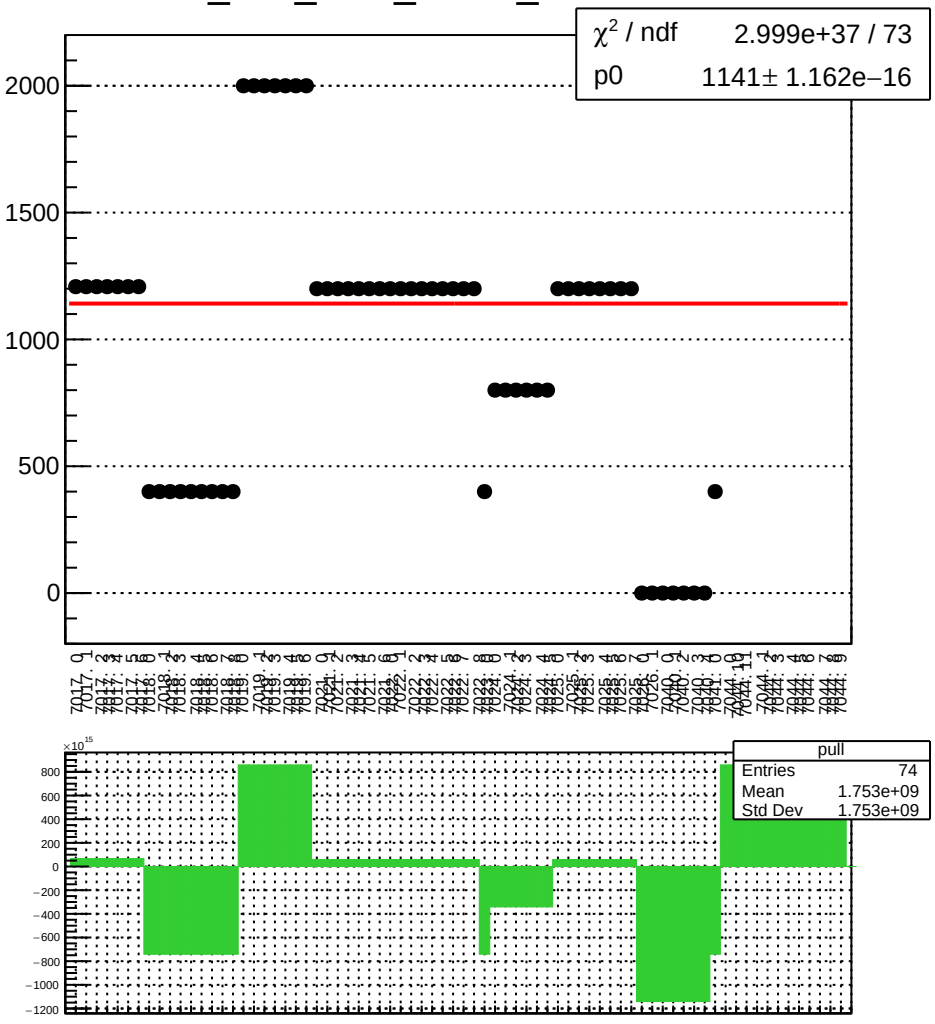


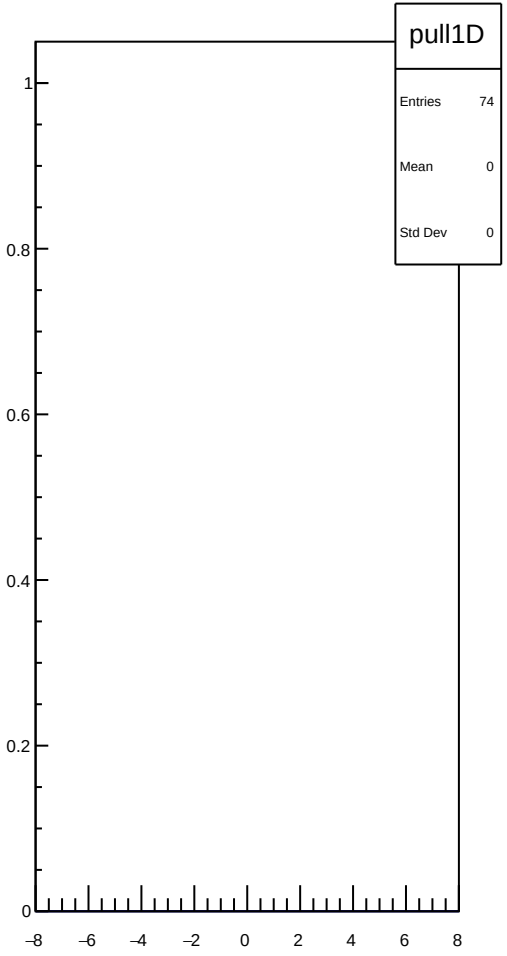


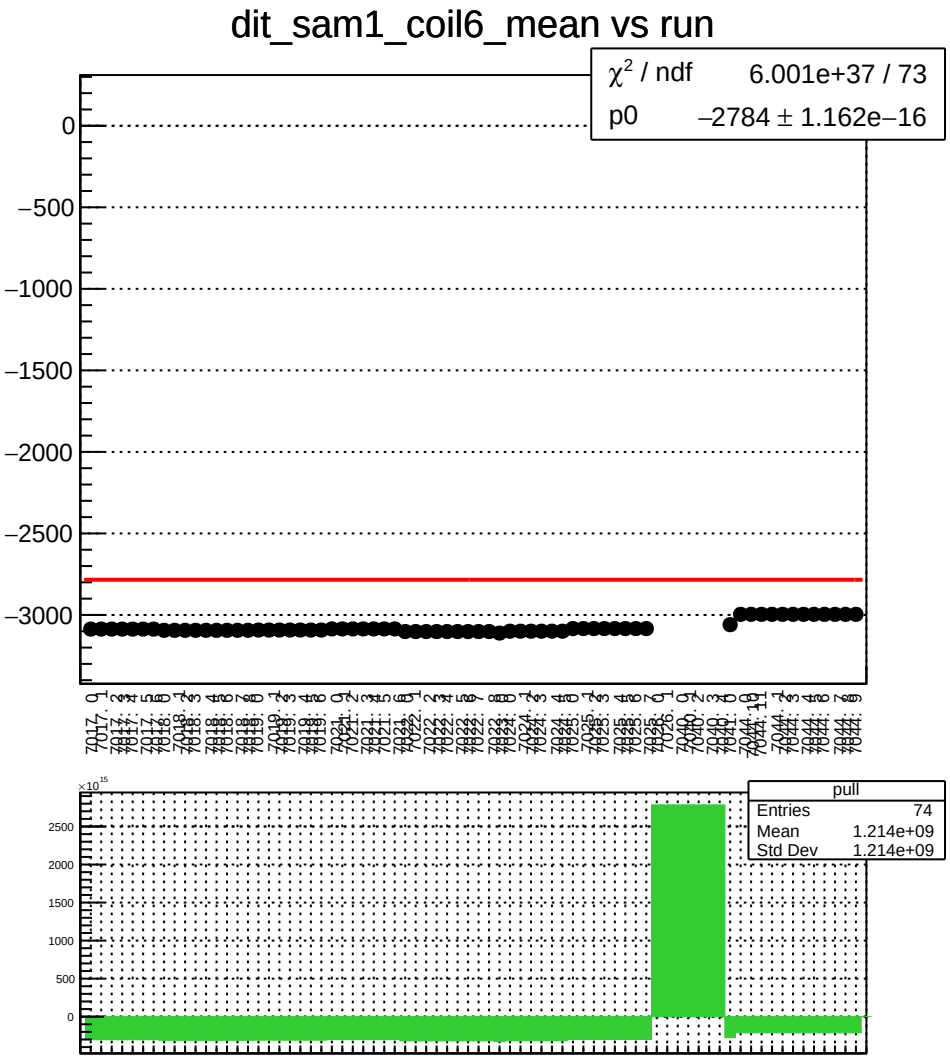

dit_atr2_coil6_mean vs run
χ² / ndf 1.2e+38 / 73
p0 −3852 ± 1.162e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 74
Mean −2.089e+09
Std Dev 2.089e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

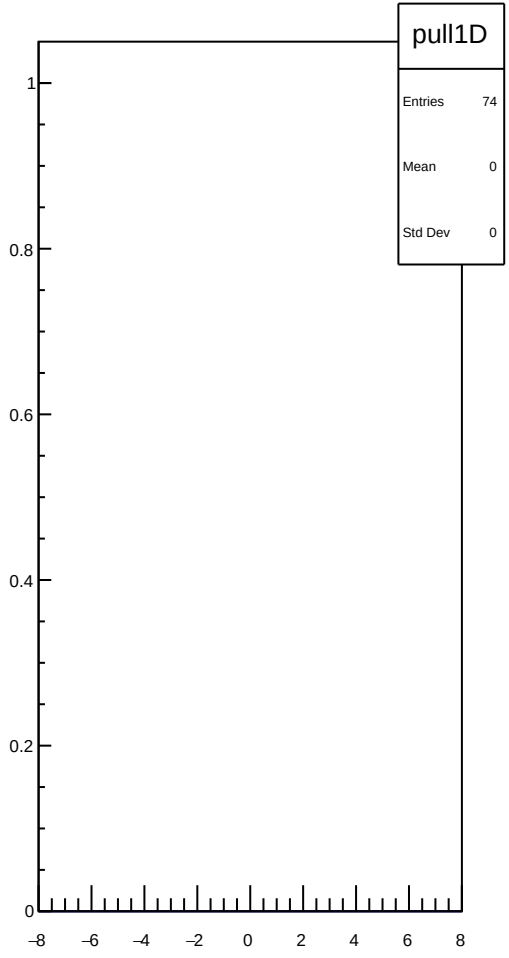

dit_atr2_coil6_err_mean vs run
χ² / ndf 5.438e+36 / 73
p0 607.9 ± 1.162e−16
pull
Entries 74
Mean −9.838e+08
Std Dev 9.838e+08
pull1D
Entries 74
Mean 0
Std Dev 0

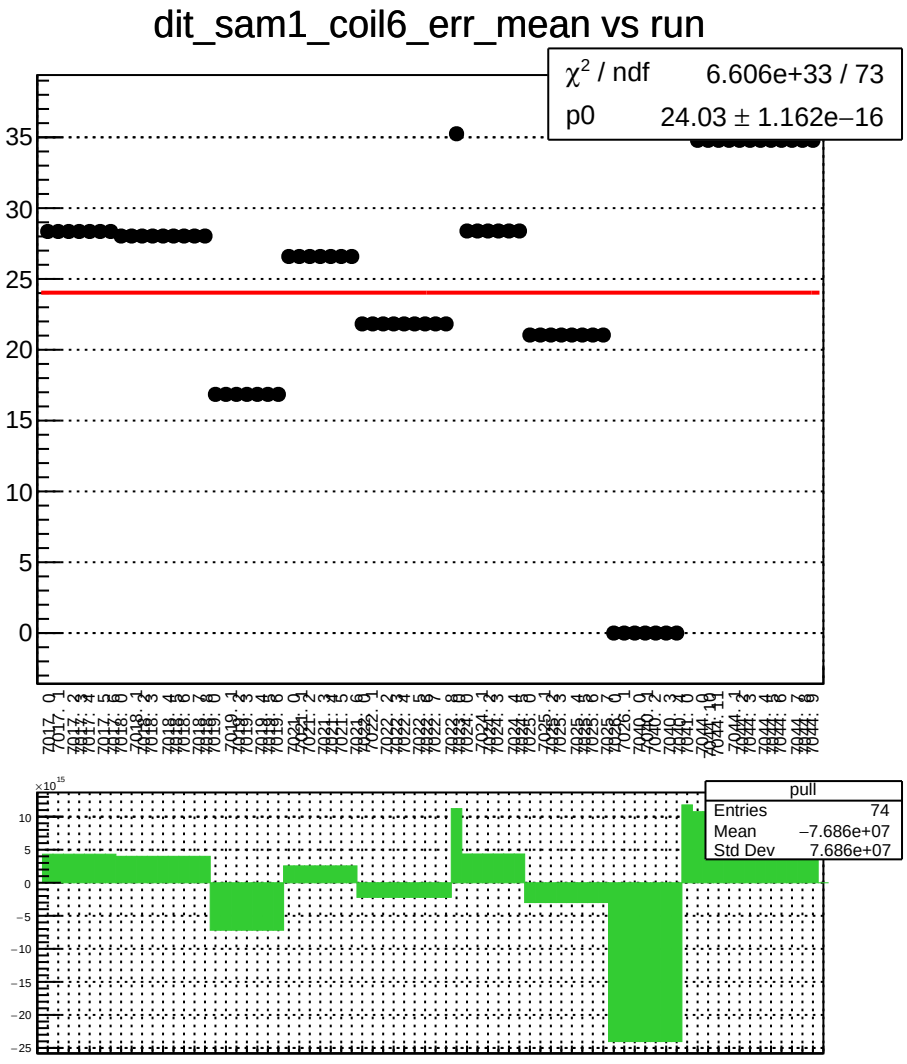
dit_atr2_coil6_Ndata_mean vs run

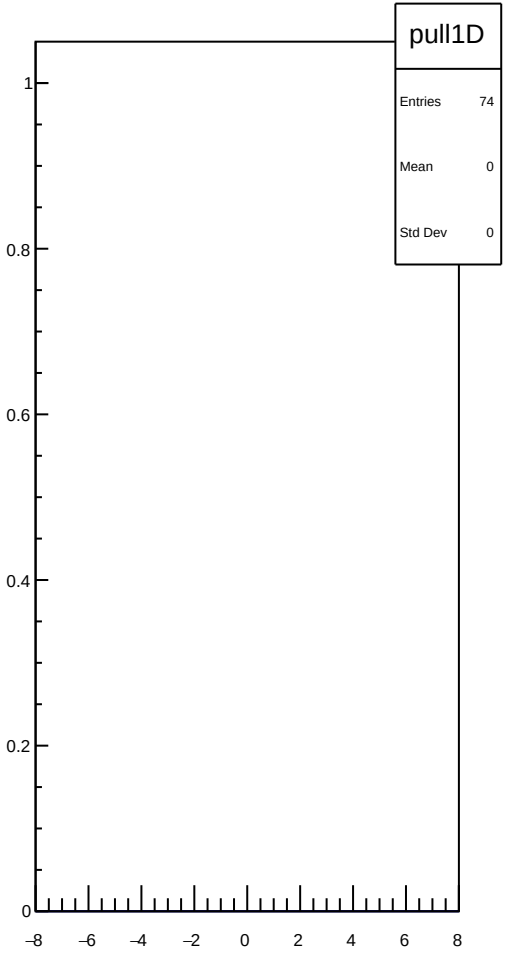




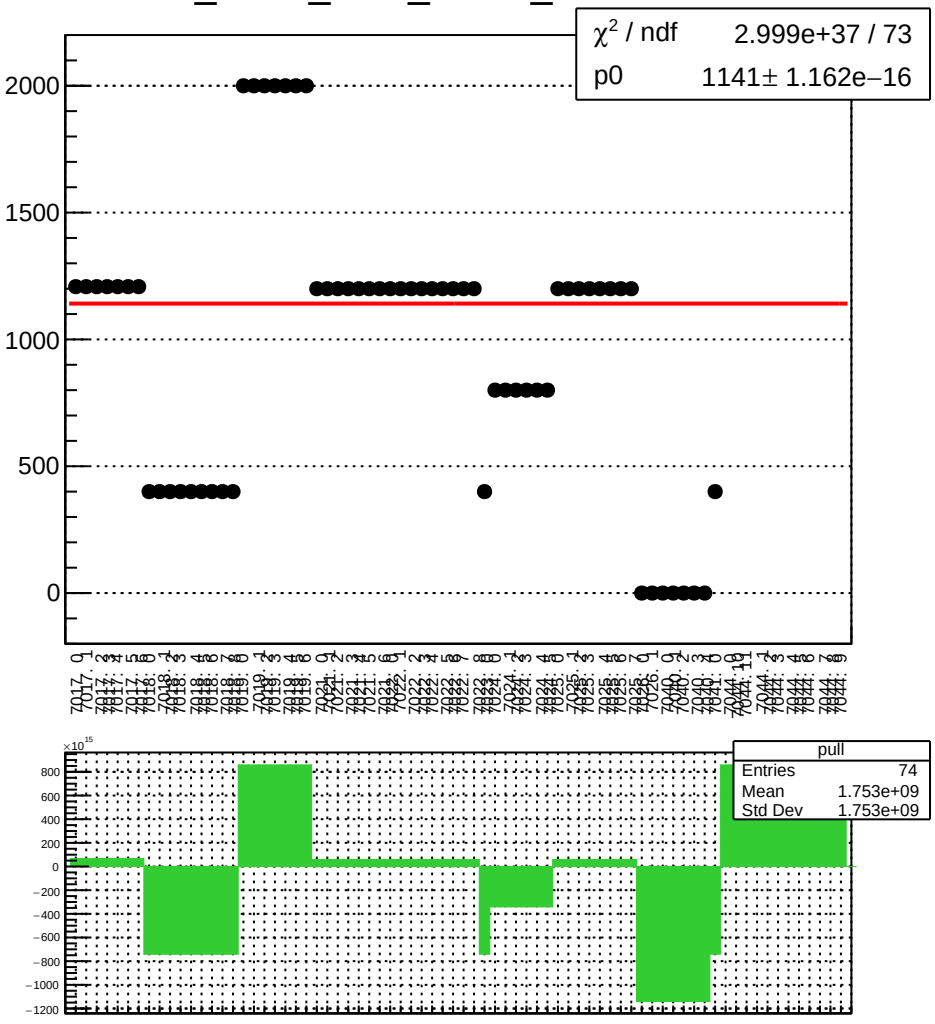

dit_sam1_coil6_mean vs run
χ^2 / ndf 6.001e+37 / 73
p0 –2784 ± 1.162e–16
0
–500
–1000
–1500
–2000
–2500
–3000
pull
Entries 74
Mean 1.214e+09
Std Dev 1.214e+09
2500
2000
1500
1000
500
0

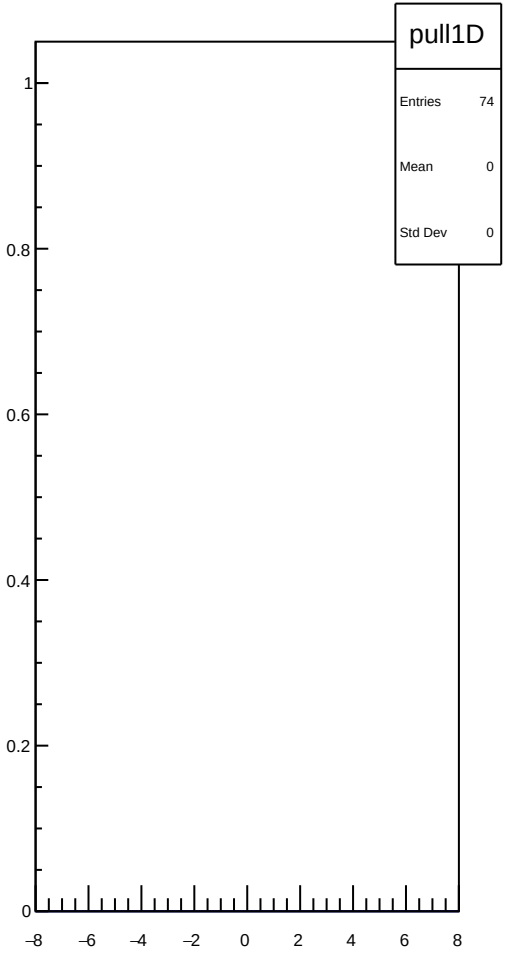

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

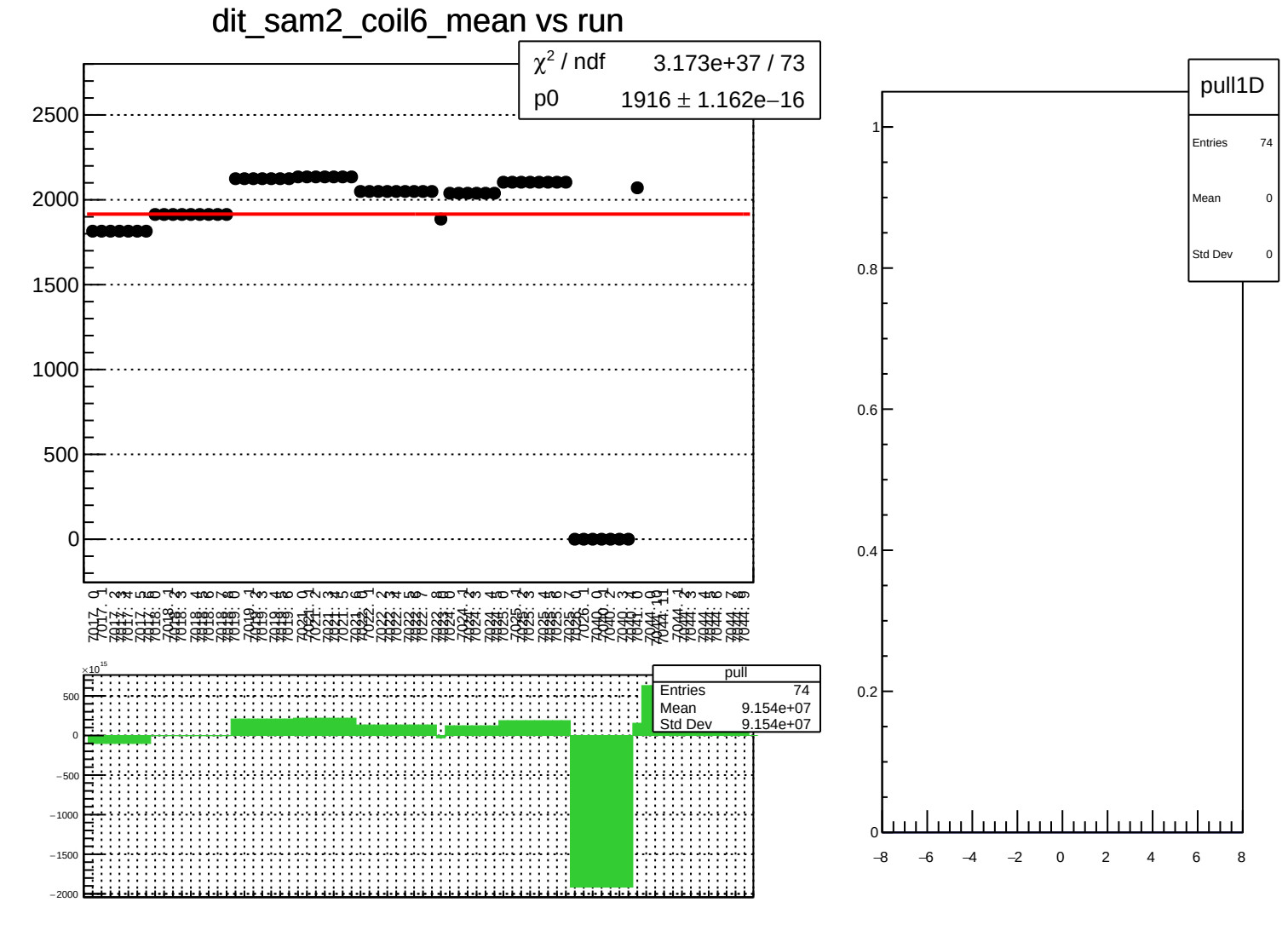

dit_sam1_coil6_err_mean vs run
χ² / ndf 6.606e+33 / 73
p0 24.03 ± 1.162e−16
pull
Entries 74
Mean −7.686e+07
Std Dev 7.686e+07

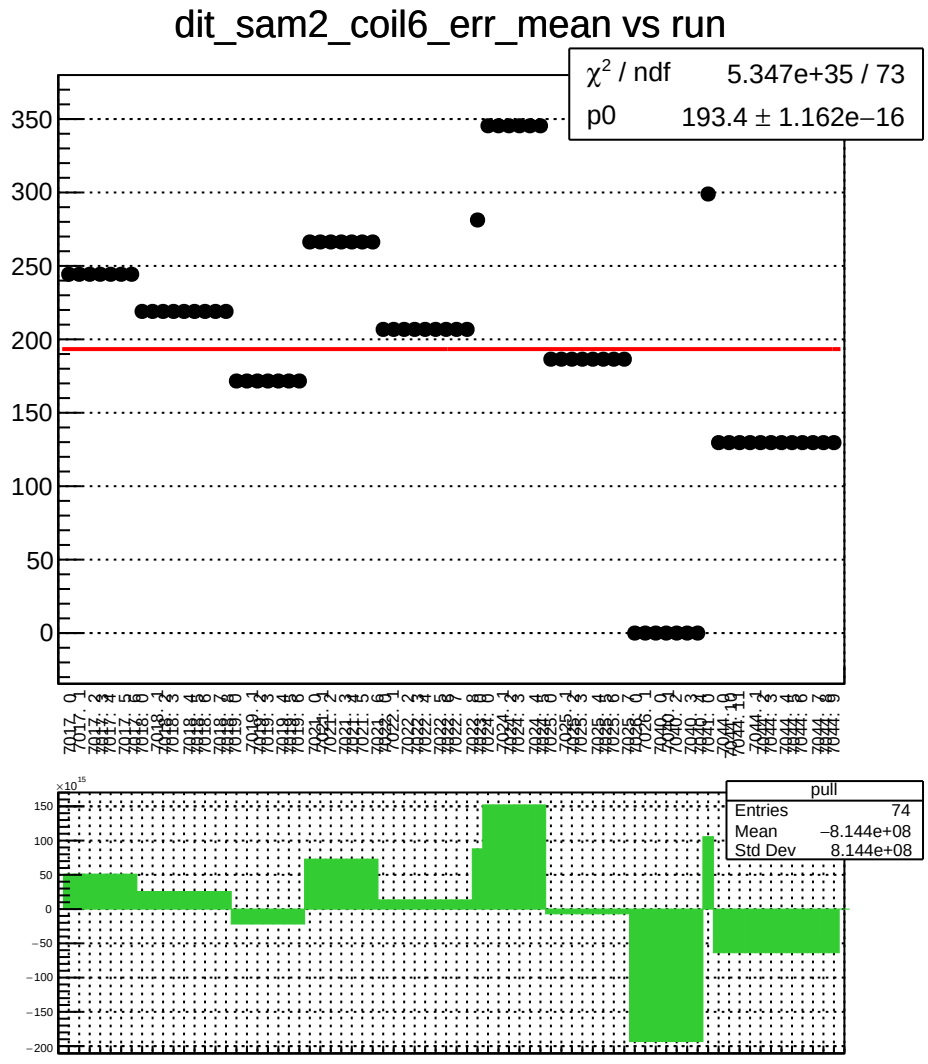

pull1D
Entries 74
Mean 0
Std Dev 0

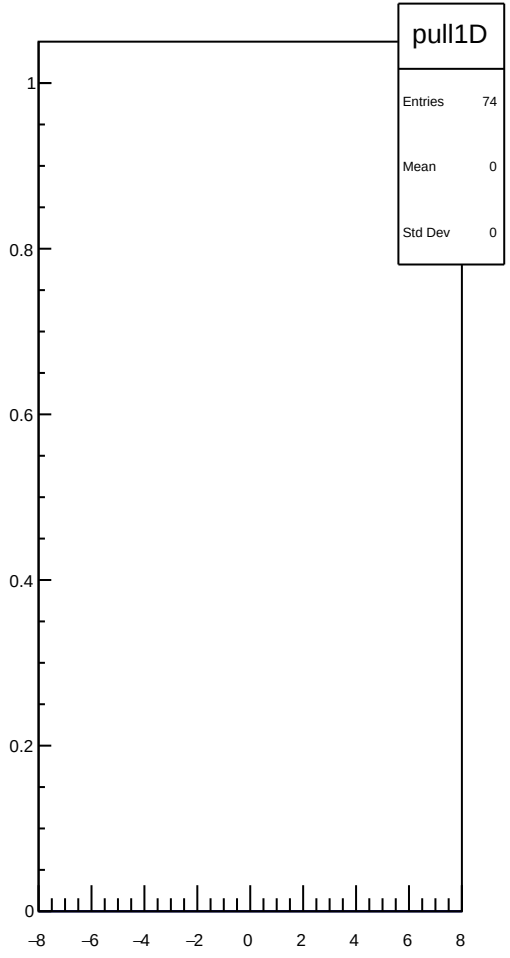
dit_sam1_coil6_Ndata_mean vs run



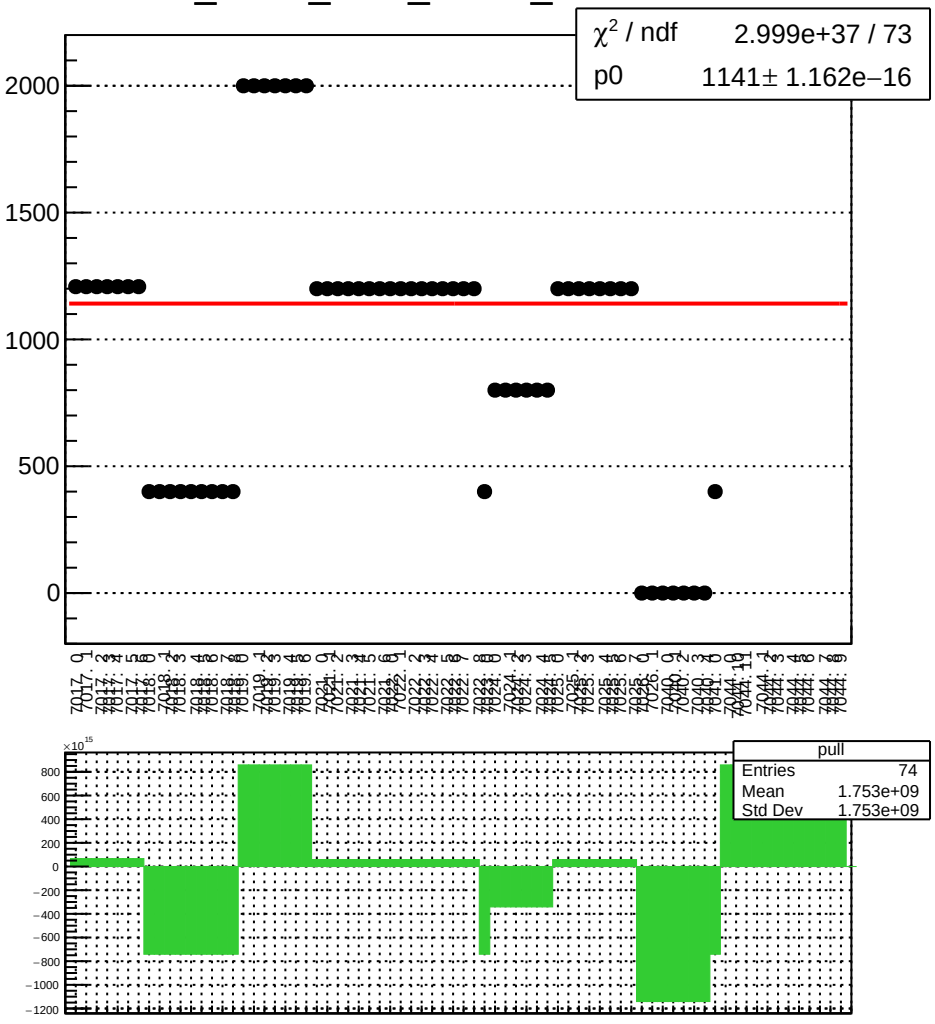


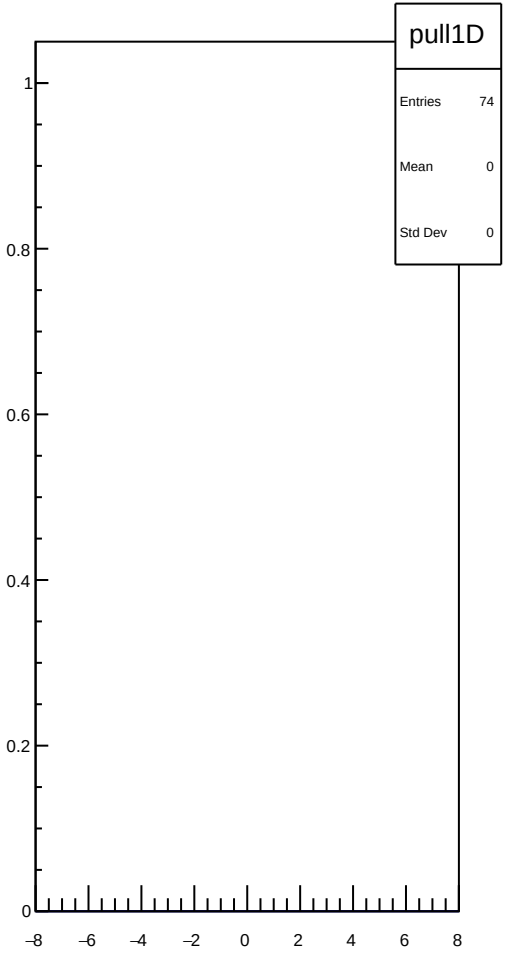

dit_sam2_coil6_mean vs run
χ² / ndf 3.173e+37 / 73
p0 1916 ± 1.162e−16
2500
2000
1500
1000
500
0
pull
Entries 74
Mean 9.154e+07
Std Dev 9.154e+07
×10¹⁵
500
0
−500
−1000
−1500
−2000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_coil6_err_mean vs run
χ² / ndf 5.347e+35 / 73
p0 193.4 ± 1.162e−16
pull
Entries 74
Mean −8.144e+08
Std Dev 8.144e+08

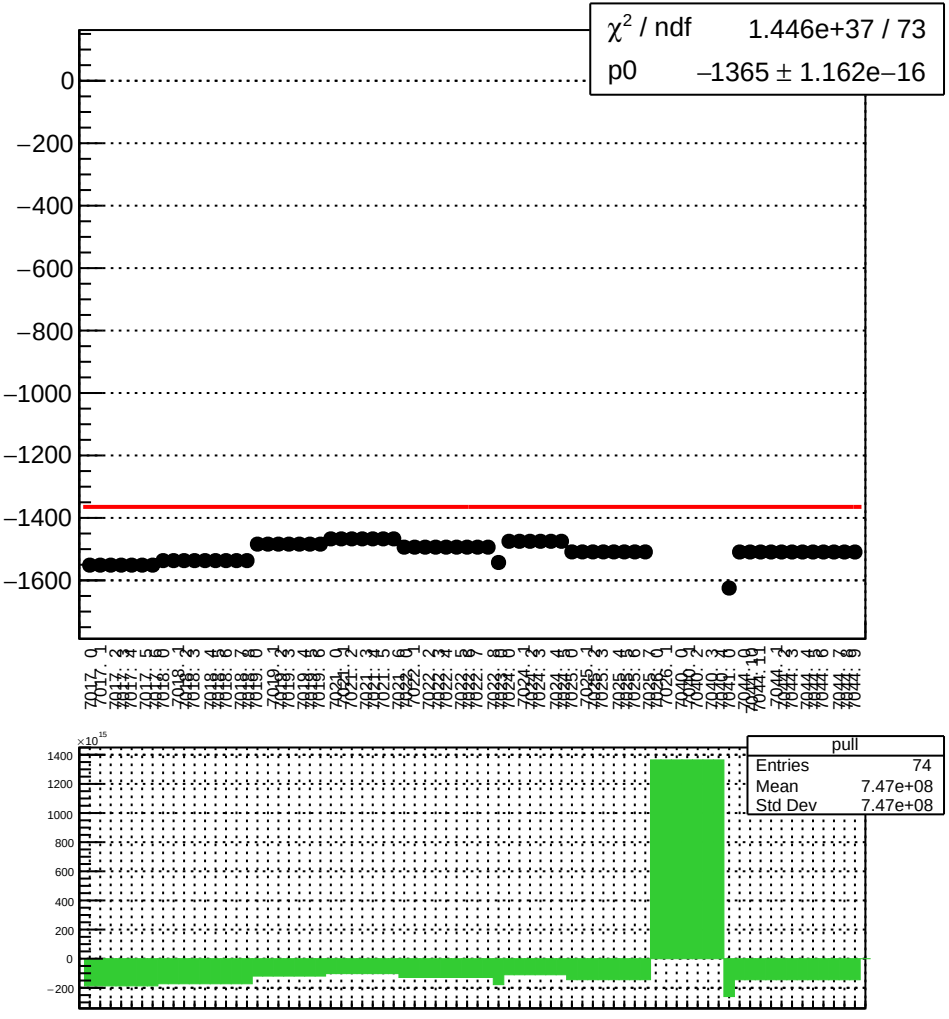

pull1D
Entries 74
Mean 0
Std Dev 0

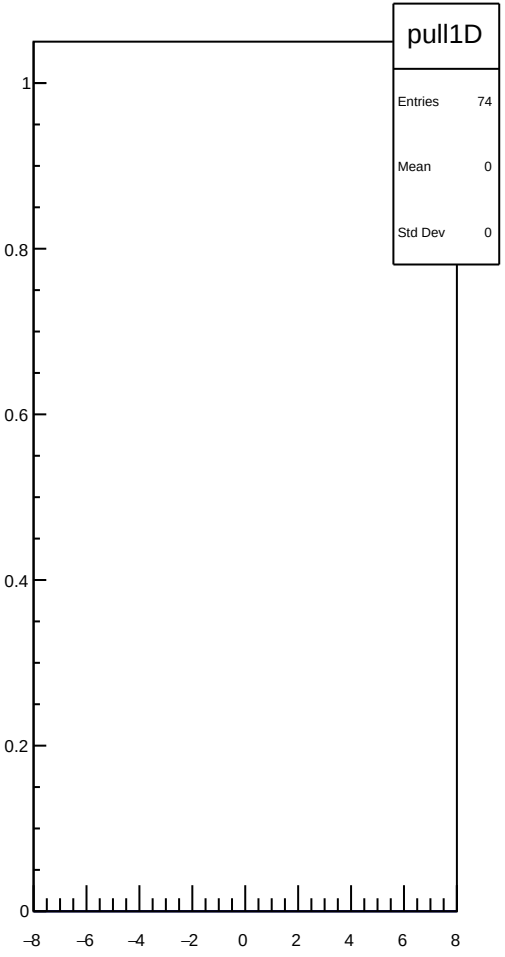
dit_sam2_coil6_Ndata_mean vs run

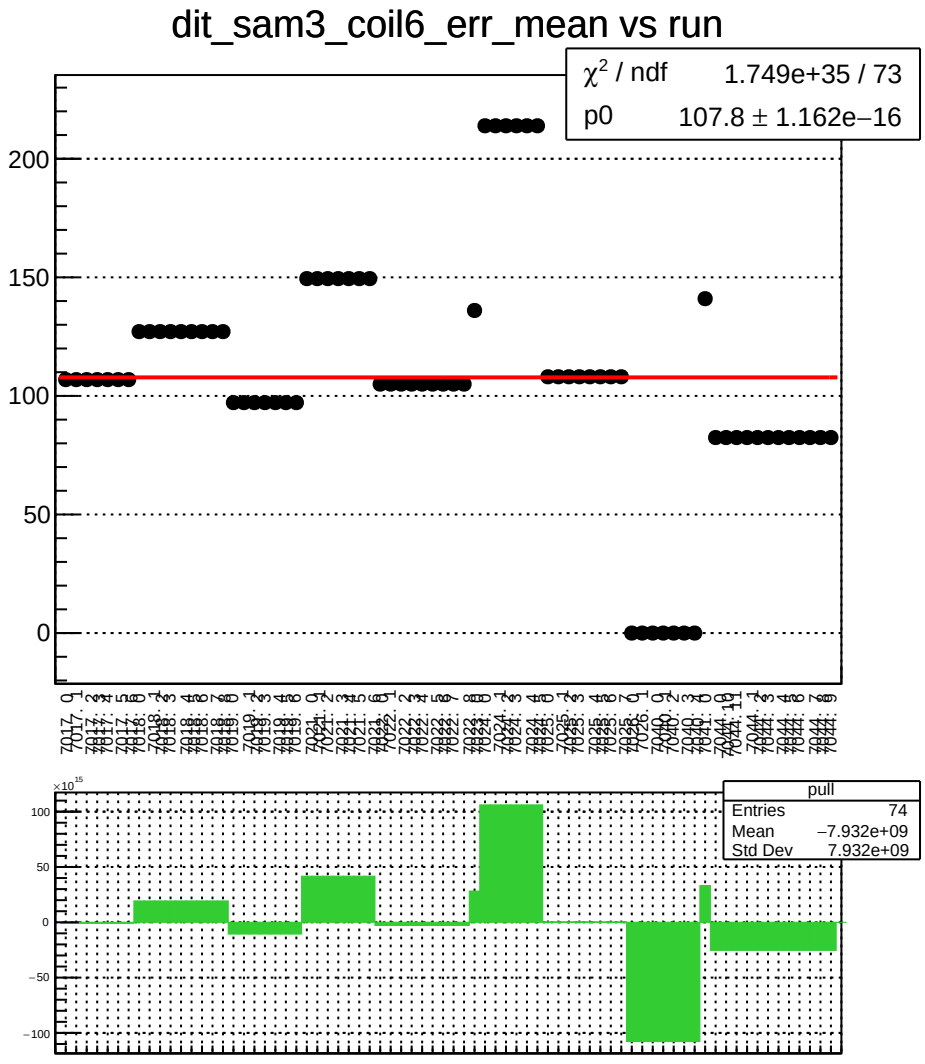


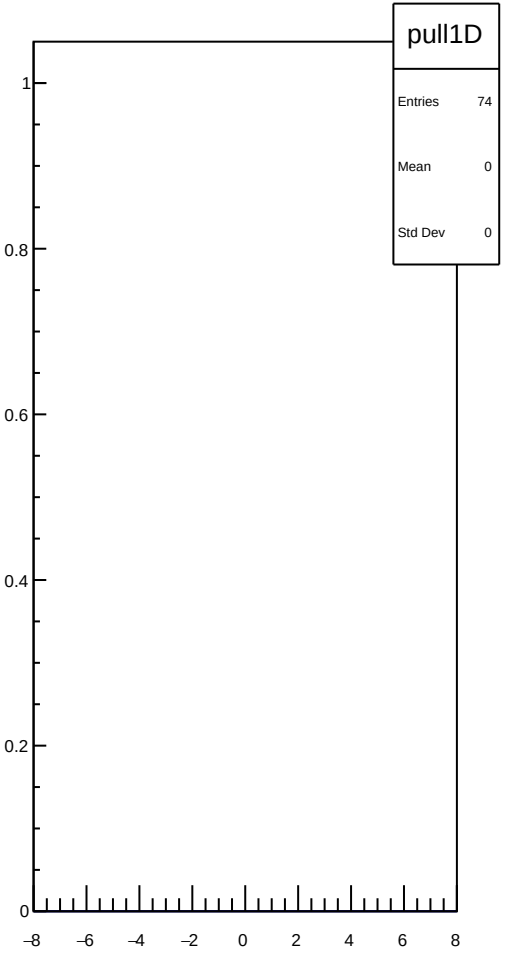


dit_sam3_coil6_mean vs run

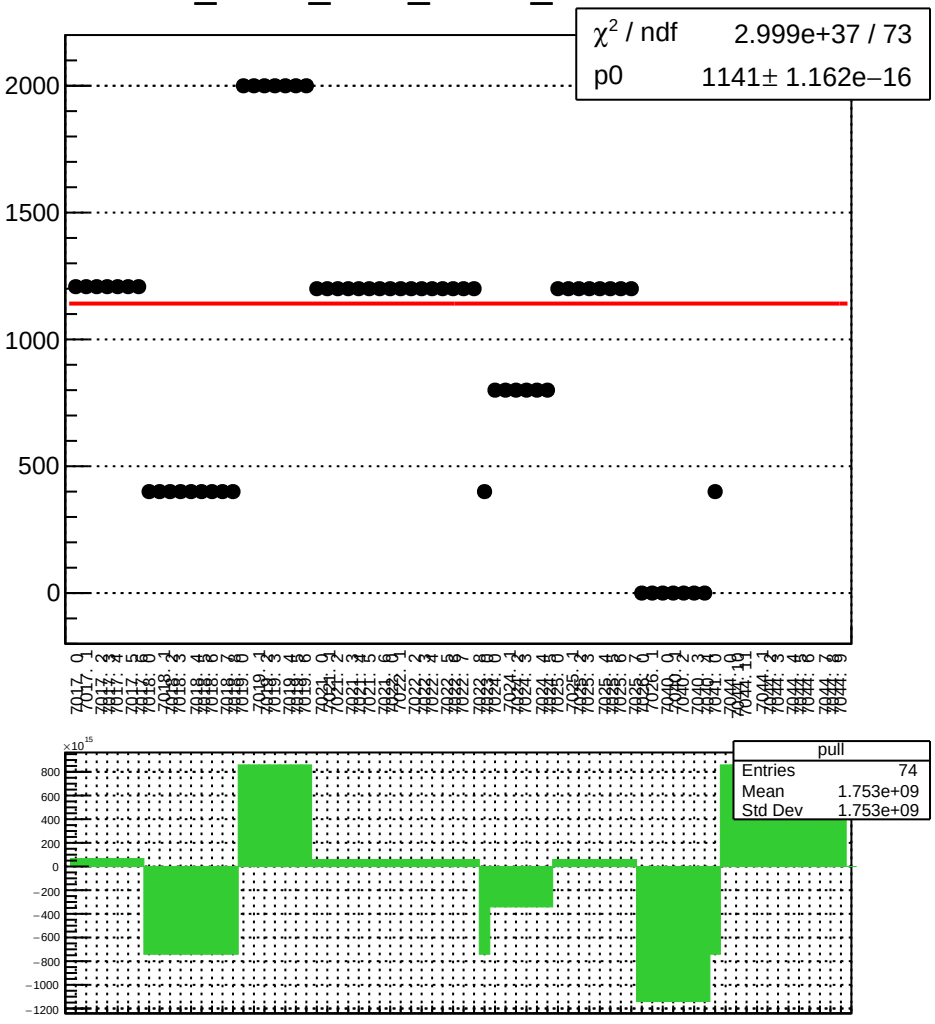


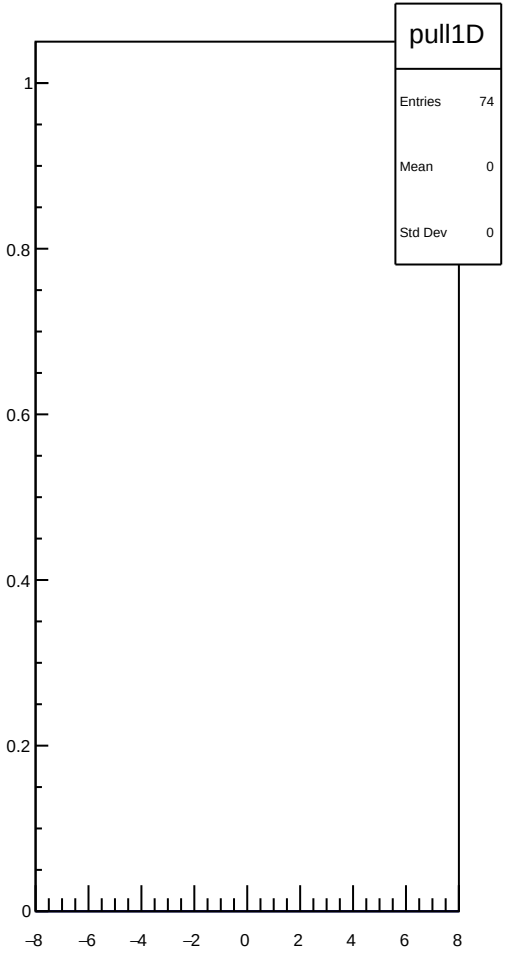


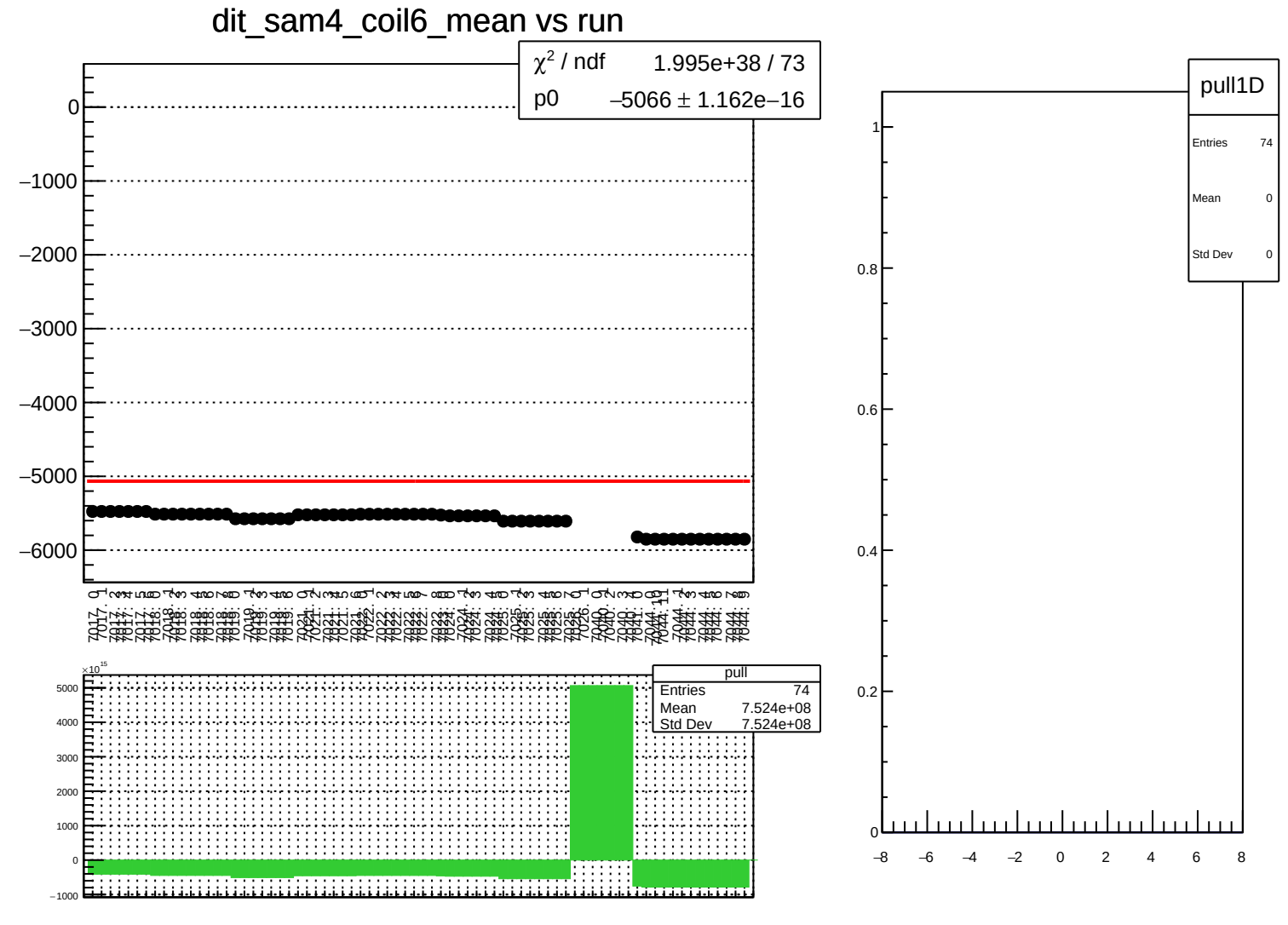

dit_sam3_coil6_err_mean vs run
χ^2 / ndf 1.749e+35 / 73
p0 107.8 ± 1.162e−16
200
150
100
50
0
pull
Entries 74
Mean −7.932e+09
Std Dev 7.932e+09
$\times 10^{15}$
100
50
0
−50
−100

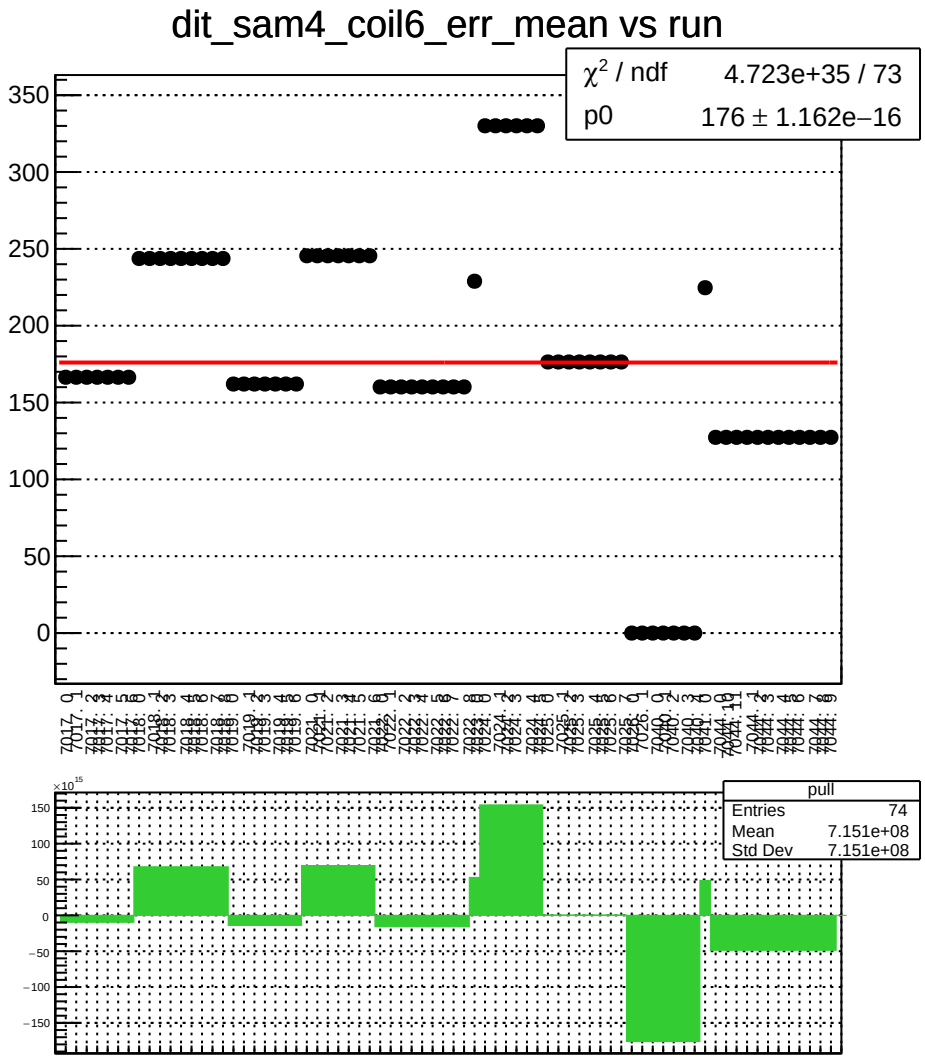

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

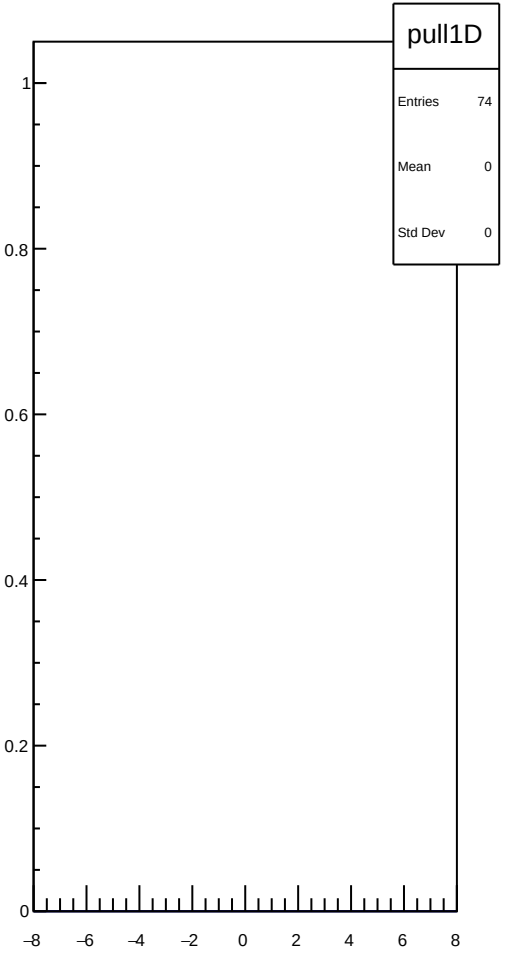
dit_sam3_coil6_Ndata_mean vs run



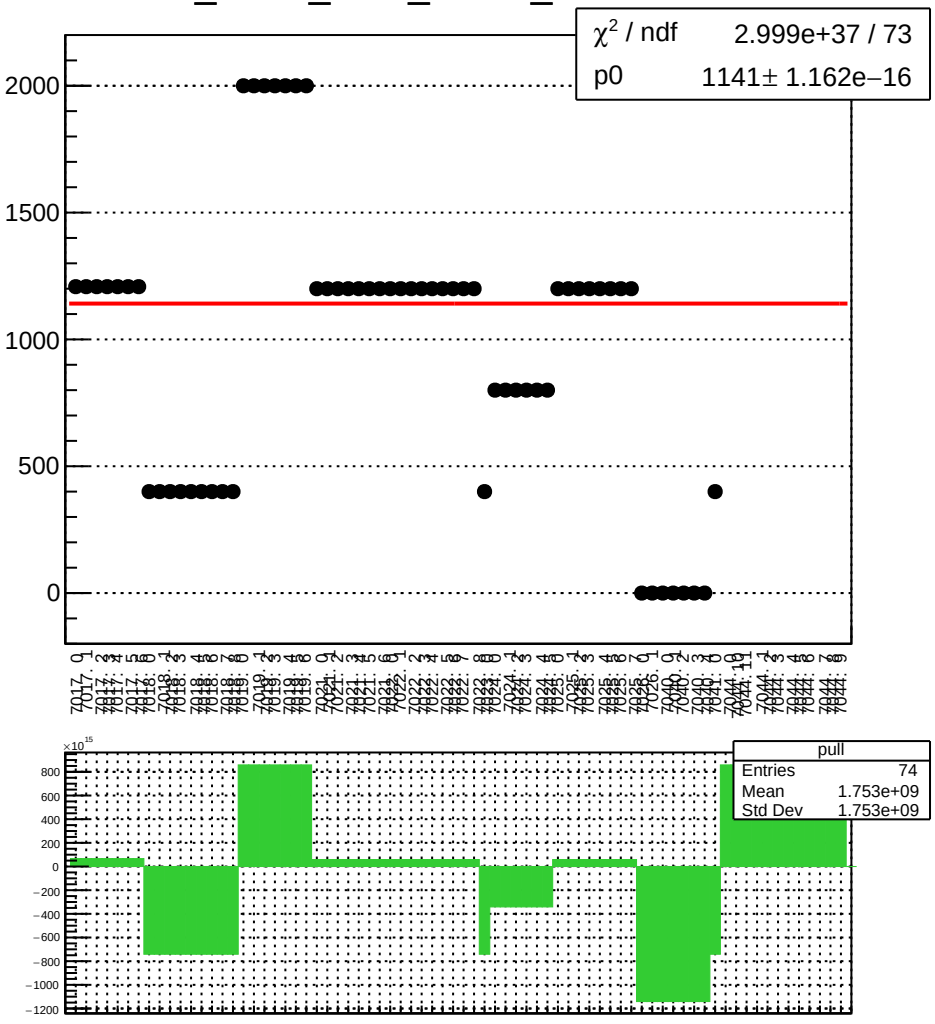


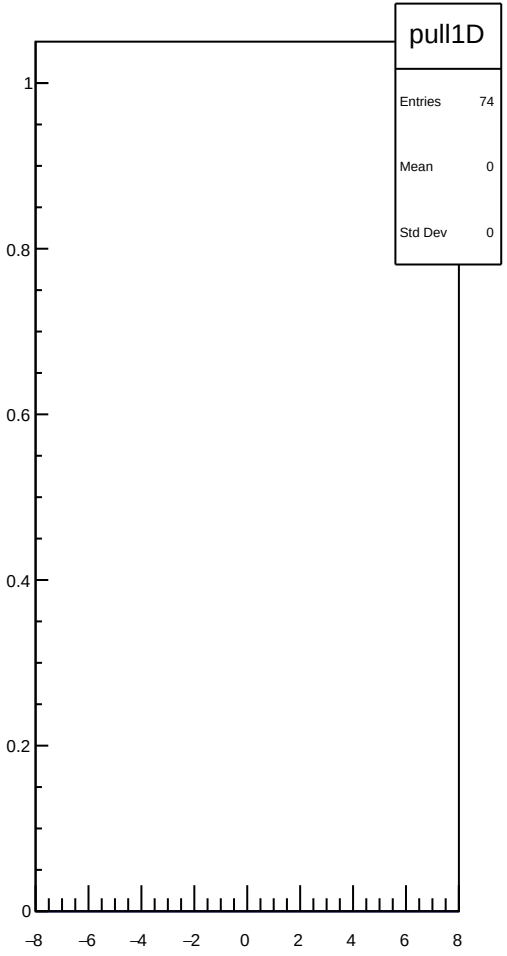

dit_sam4_coil6_mean vs run
χ^2 / ndf 1.995e+38 / 73
p0 –5066 ± 1.162e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 74
Mean 7.524e+08
Std Dev 7.524e+08
×10^15
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

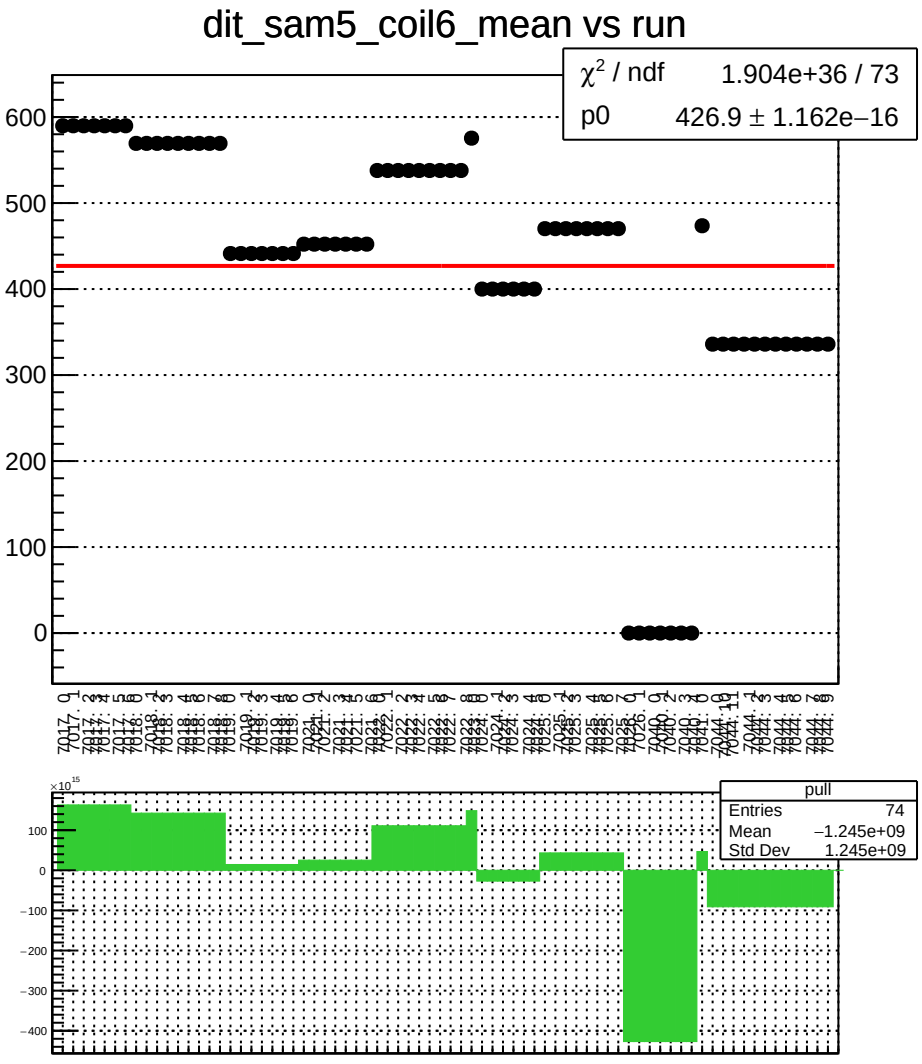

dit_sam4_coil6_err_mean vs run
χ² / ndf 4.723e+35 / 73
p0 176 ± 1.162e−16
pull
Entries 74
Mean 7.151e+08
Std Dev 7.151e+08

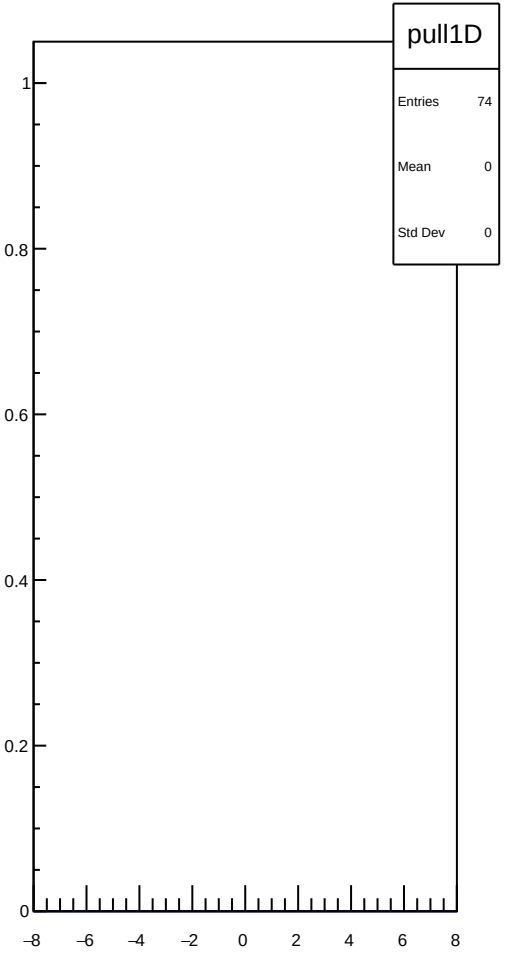

pull1D
Entries 74
Mean 0
Std Dev 0

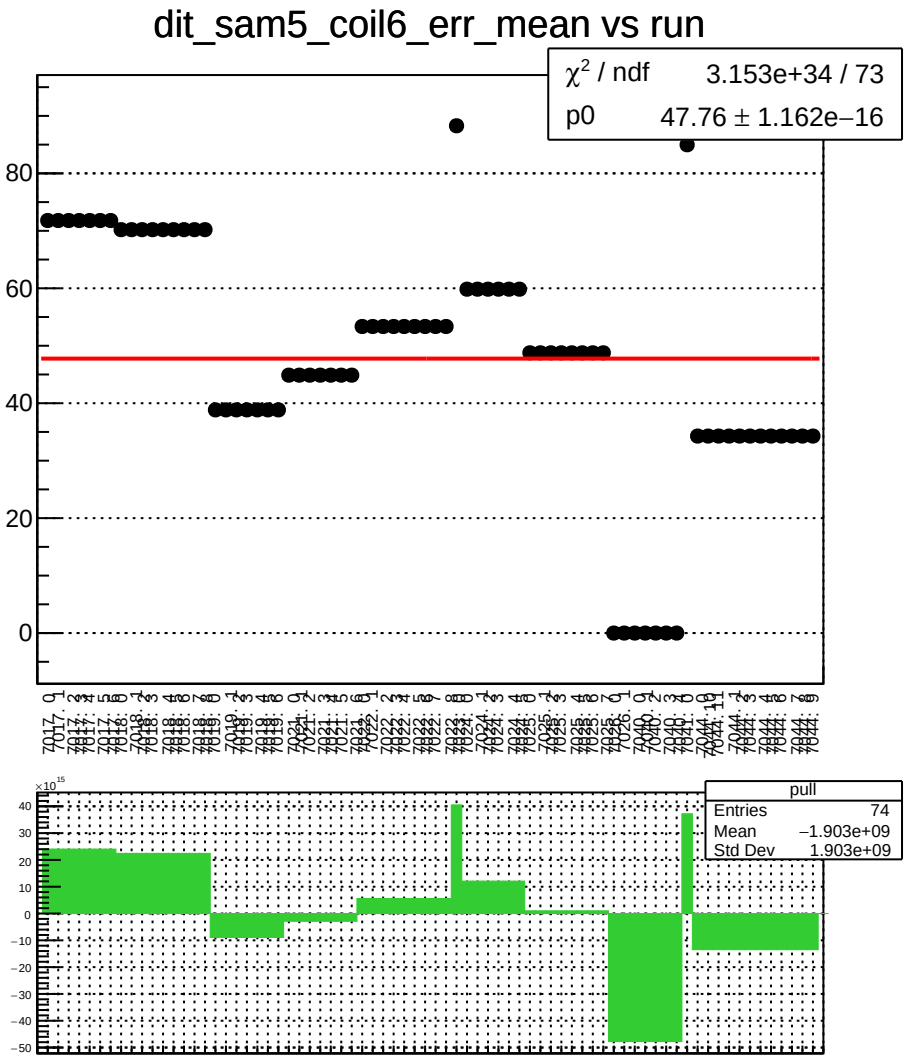
dit_sam4_coil6_Ndata_mean vs run

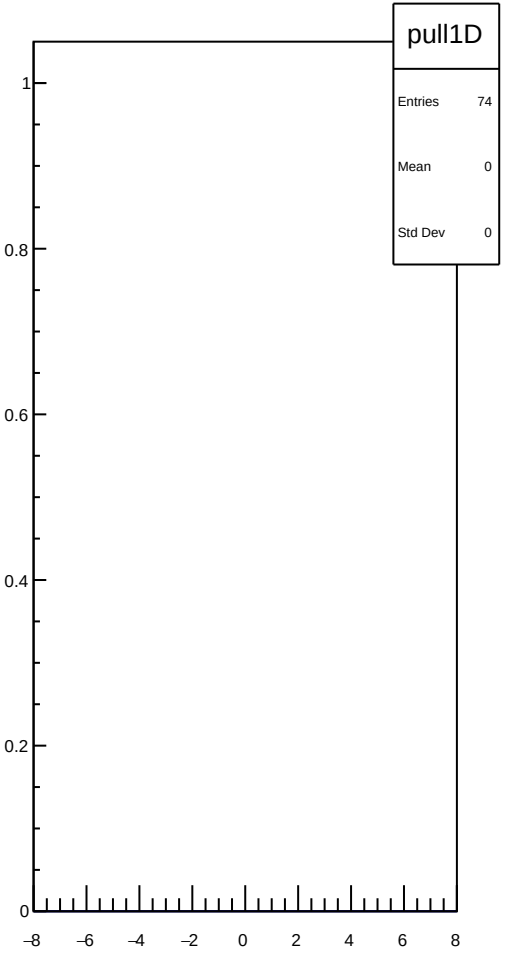


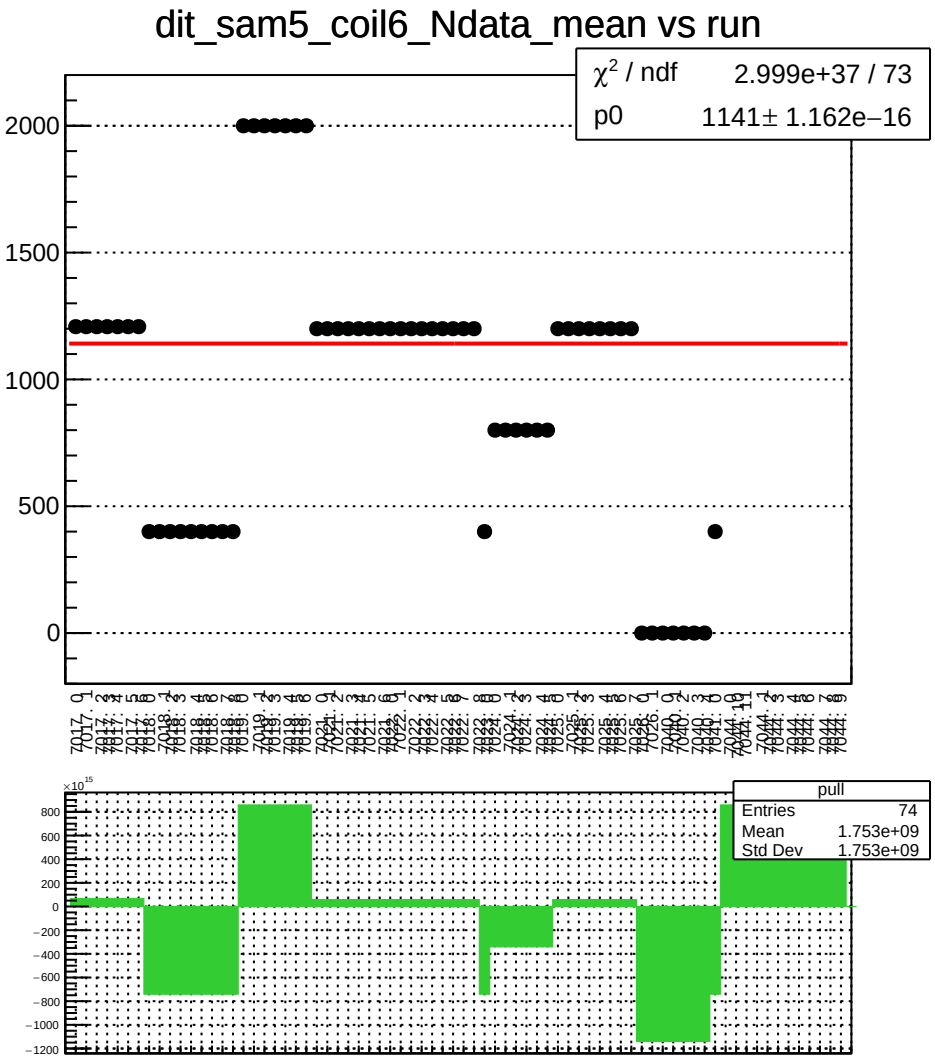


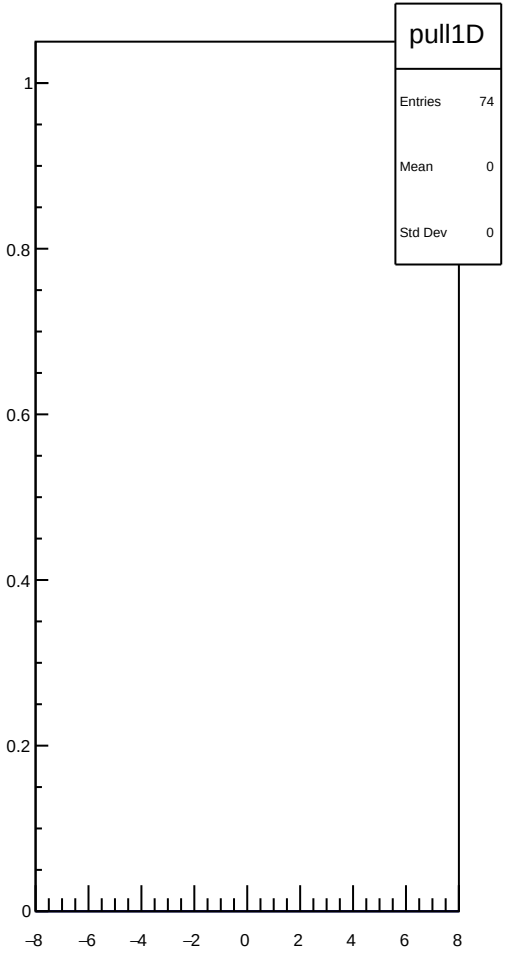

dit_sam5_coil6_mean vs run
χ² / ndf 1.904e+36 / 73
p0 426.9 ± 1.162e−16
pull
Entries 74
Mean −1.245e+09
Std Dev 1.245e+09

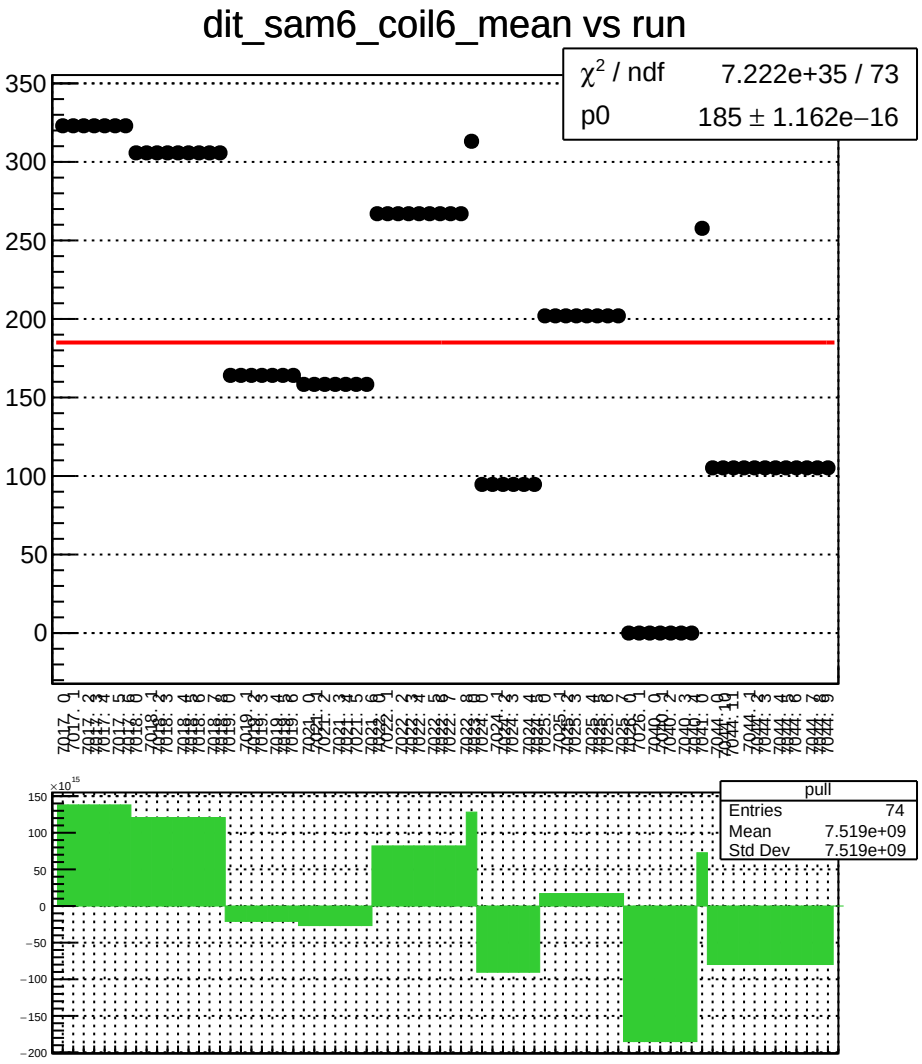

pull1D
Entries 74
Mean 0
Std Dev 0

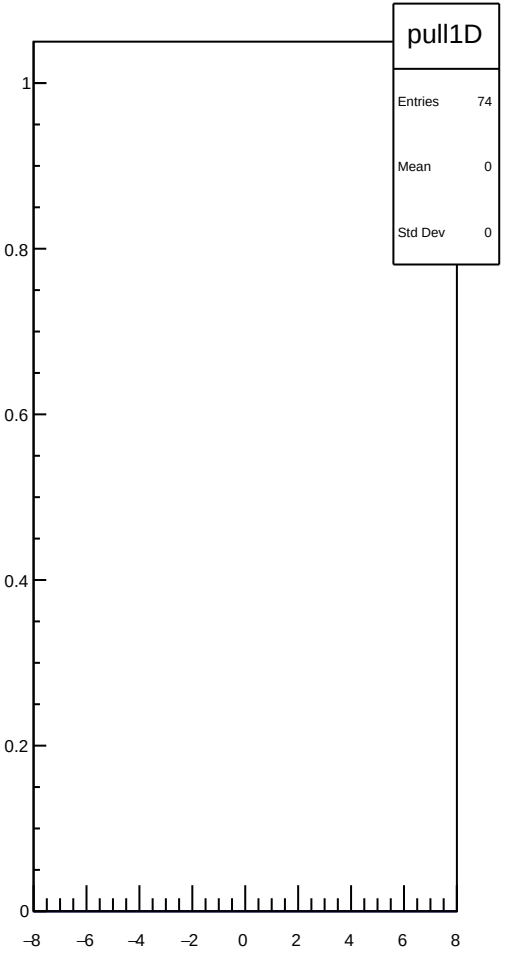

dit_sam5_coil6_err_mean vs run
χ² / ndf 3.153e+34 / 73
p0 47.76 ± 1.162e−16
pull
Entries 74
Mean −1.903e+09
Std Dev 1.903e+09

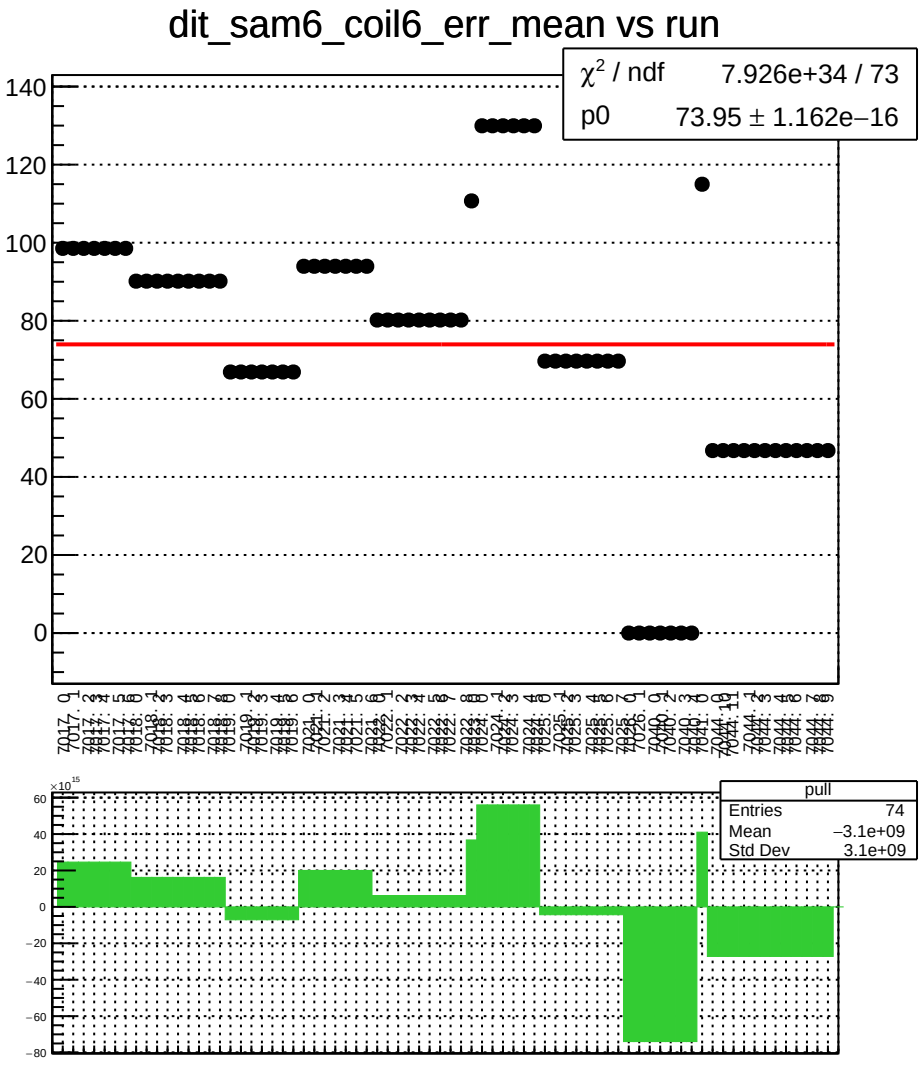

pull1D
Entries 74
Mean 0
Std Dev 0

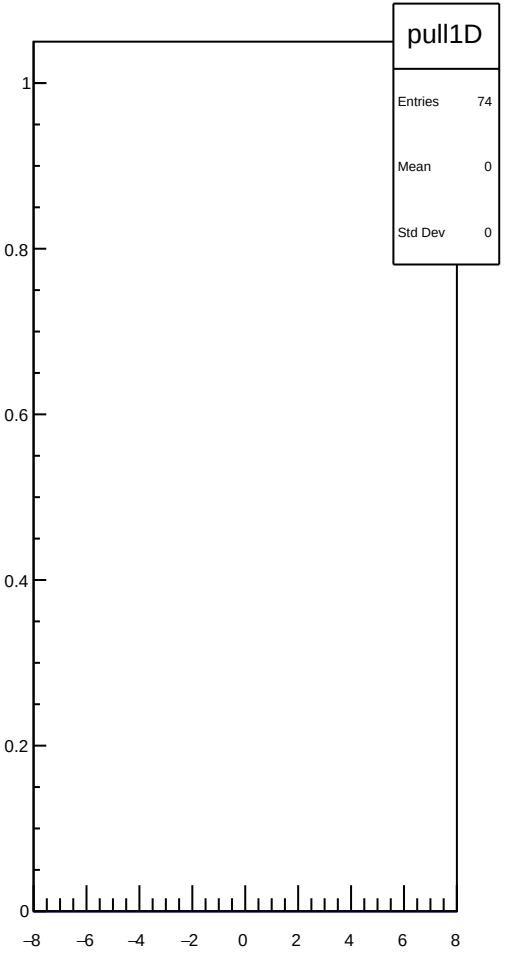

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

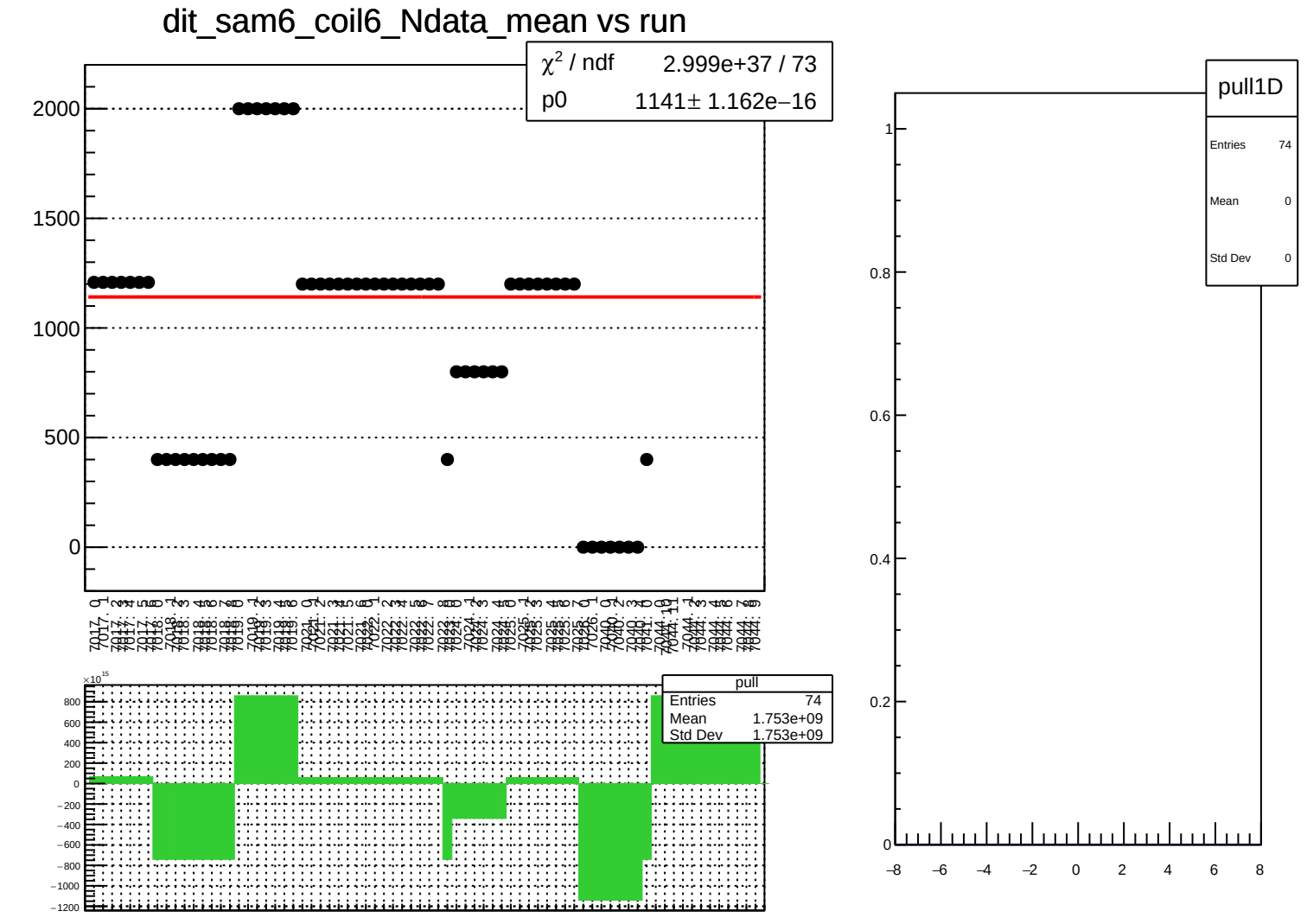

pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

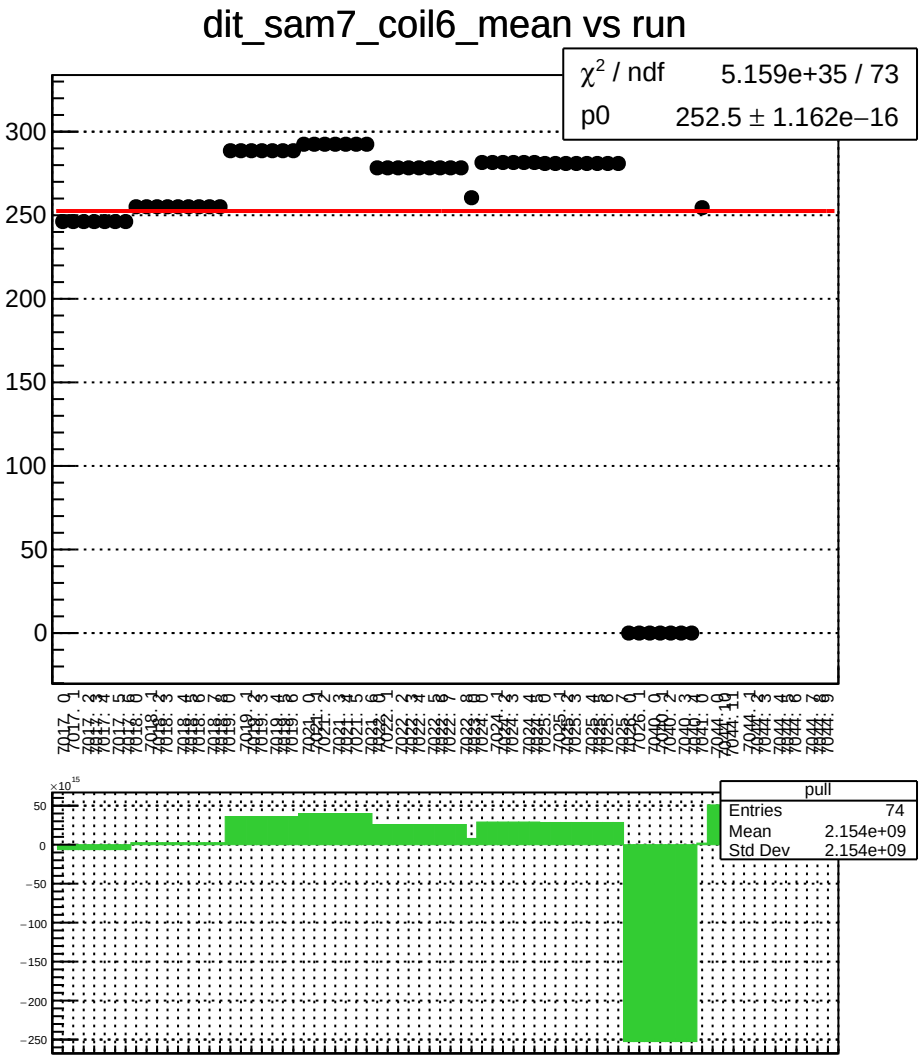

dit_sam6_coil6_mean vs run
χ² / ndf 7.222e+35 / 73
p0 185 ± 1.162e−16
pull
Entries 74
Mean 7.519e+09
Std Dev 7.519e+09

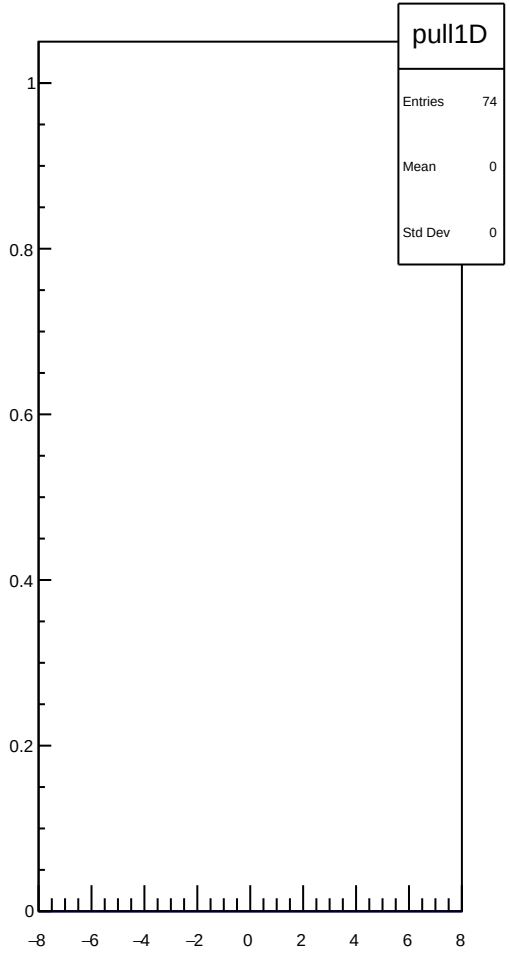

pull1D
Entries 74
Mean 0
Std Dev 0

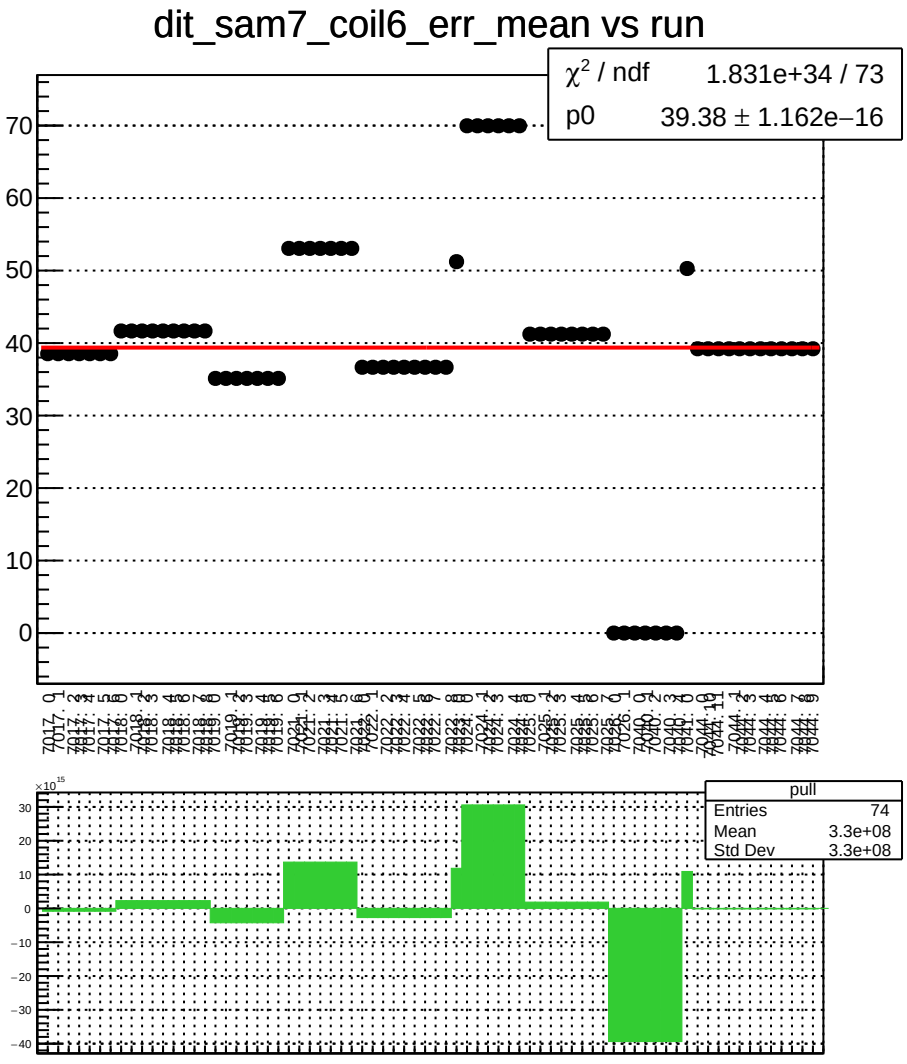

dit_sam6_coil6_err_mean vs run
χ² / ndf 7.926e+34 / 73
p0 73.95 ± 1.162e−16
pull
Entries 74
Mean −3.1e+09
Std Dev 3.1e+09

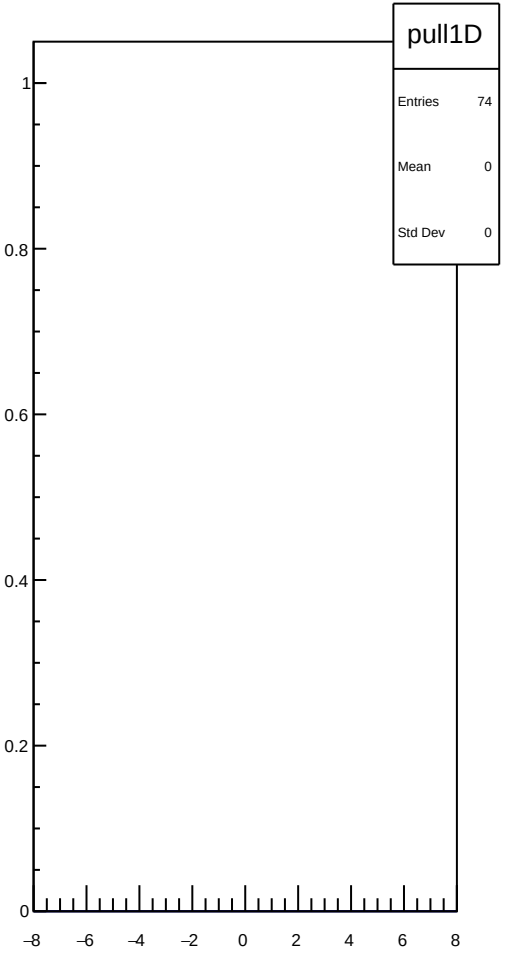

pull1D
Entries 74
Mean 0
Std Dev 0

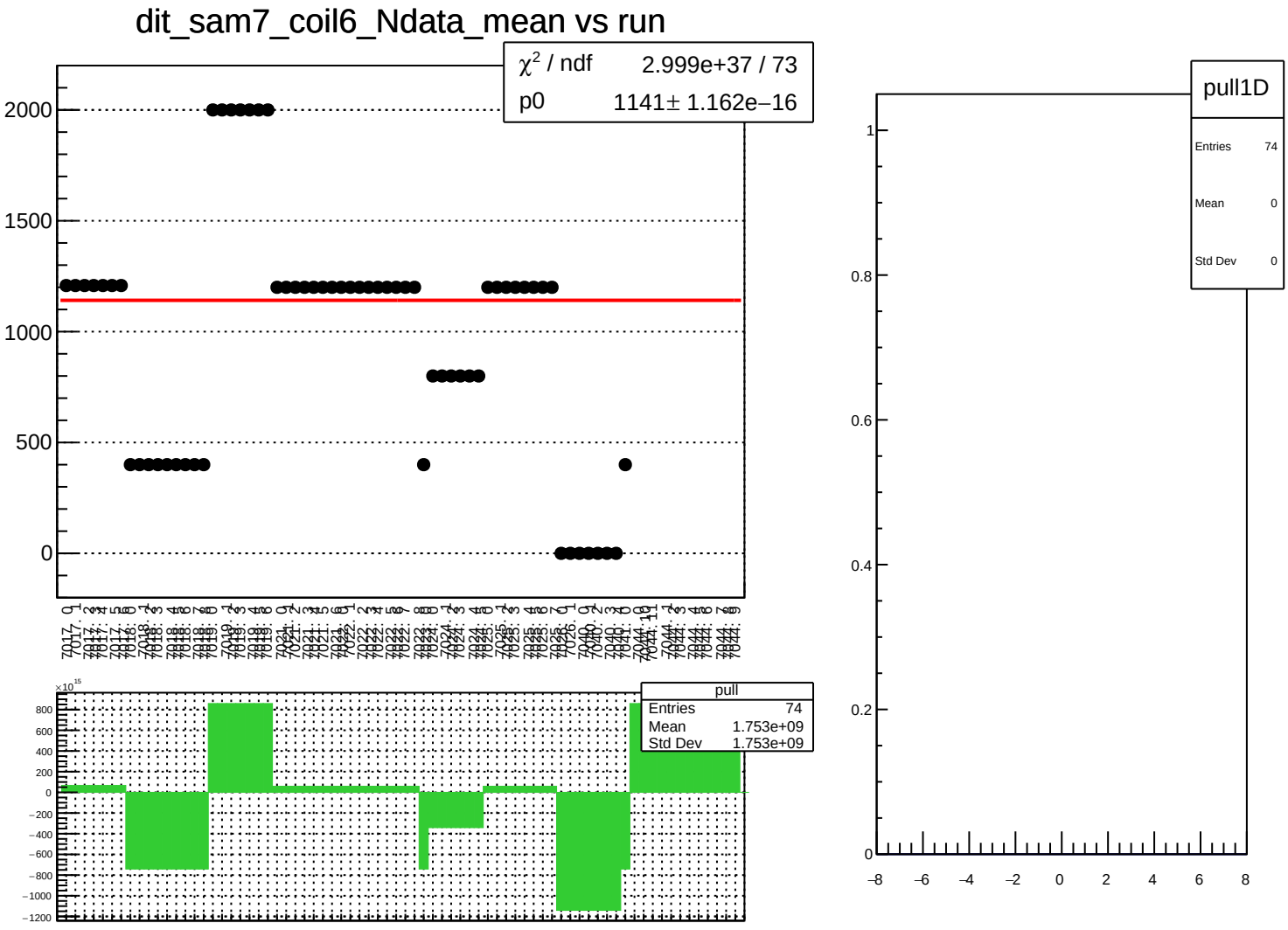

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil6_mean vs run
χ^2 / ndf 5.159e+35 / 73
p0 252.5 ± 1.162e−16
pull
Entries 74
Mean 2.154e+09
Std Dev 2.154e+09

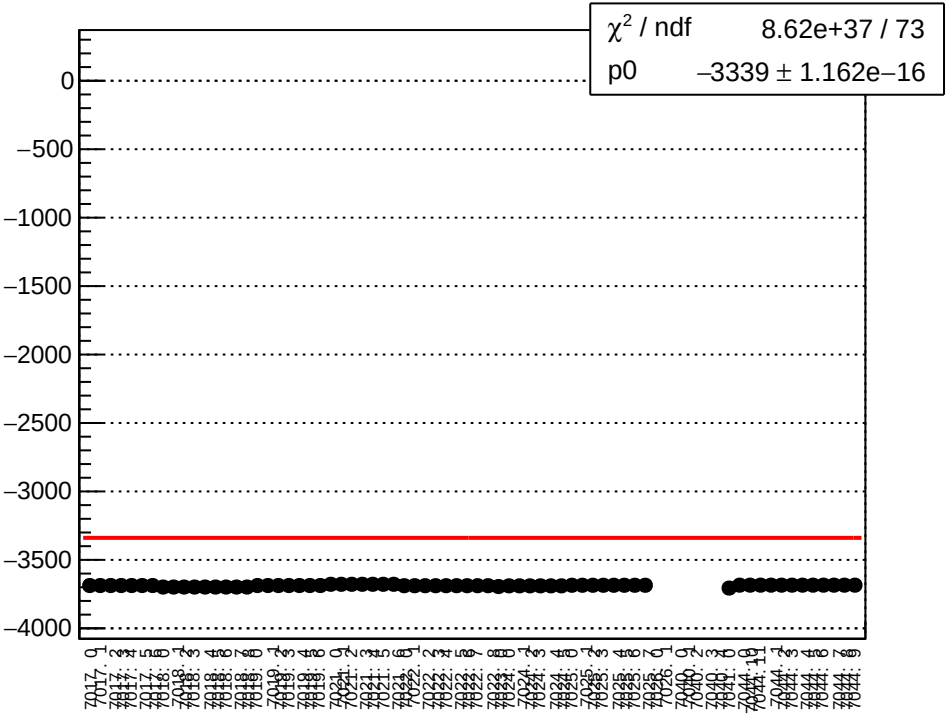

pull1D
Entries 74
Mean 0
Std Dev 0

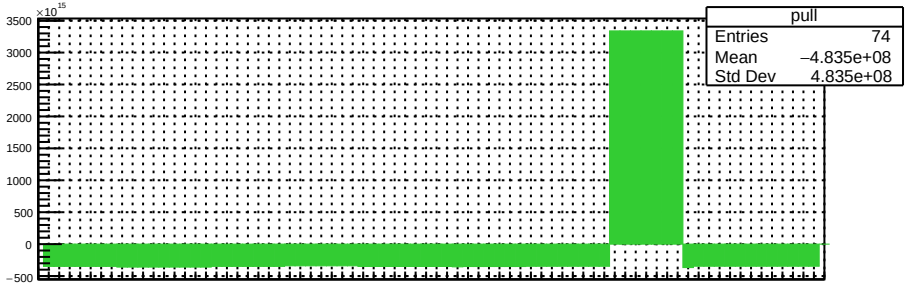

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.831e+34 / 73
p0 39.38 ± 1.162e−16
pull
Entries 74
Mean 3.3e+08
Std Dev 3.3e+08

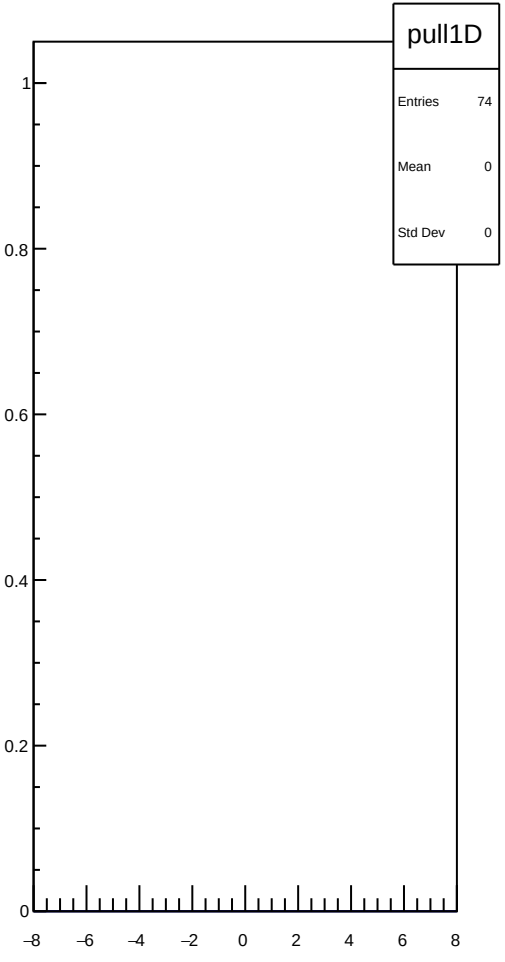

pull1D
Entries 74
Mean 0
Std Dev 0

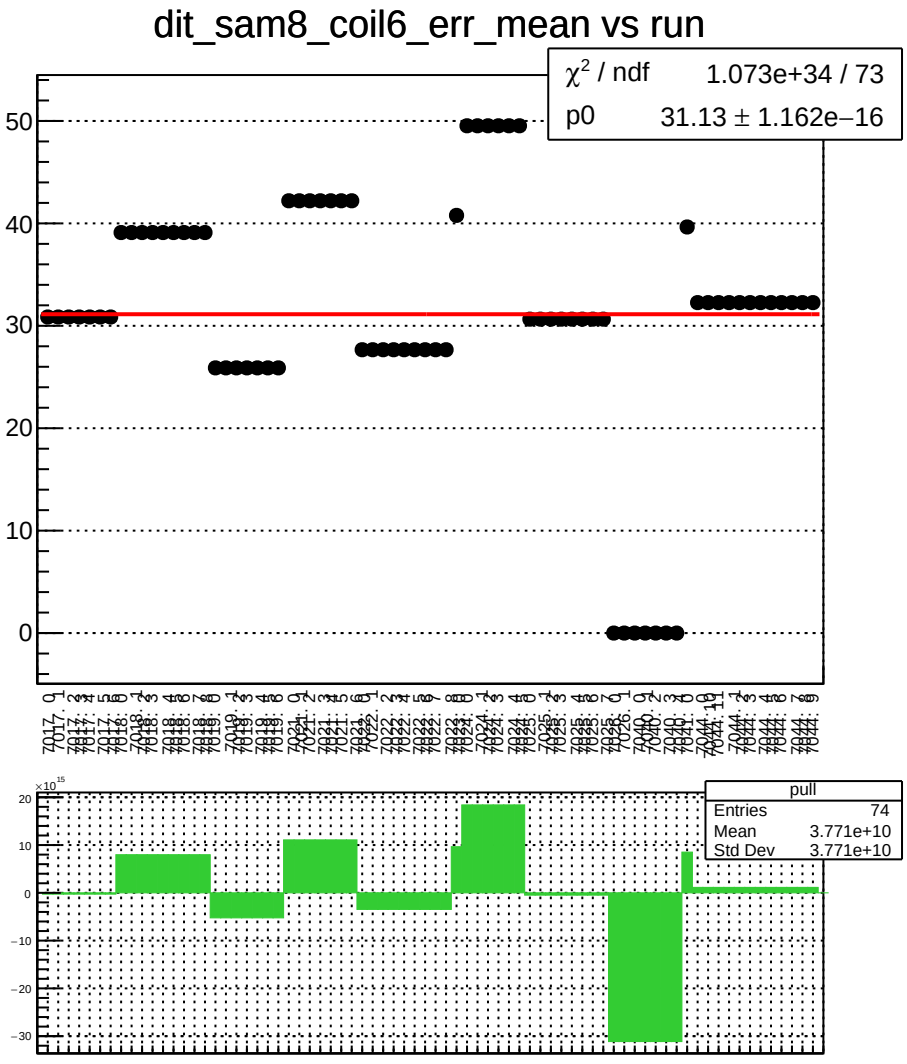

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.999e+37 / 73
p0 1141± 1.162e−16
2000
1500
1000
500
0
pull
Entries 74
Mean 1.753e+09
Std Dev 1.753e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 74
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

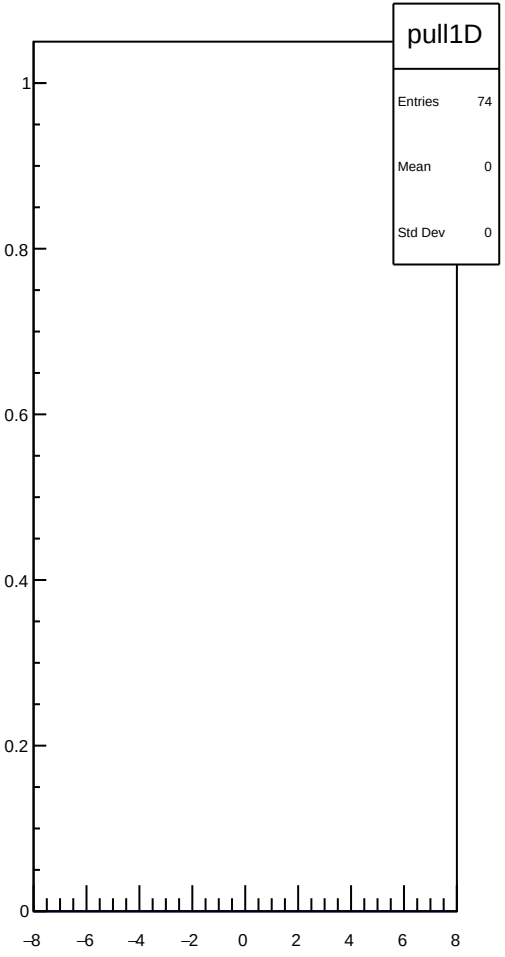
dit_sam8_coil6_mean vs run



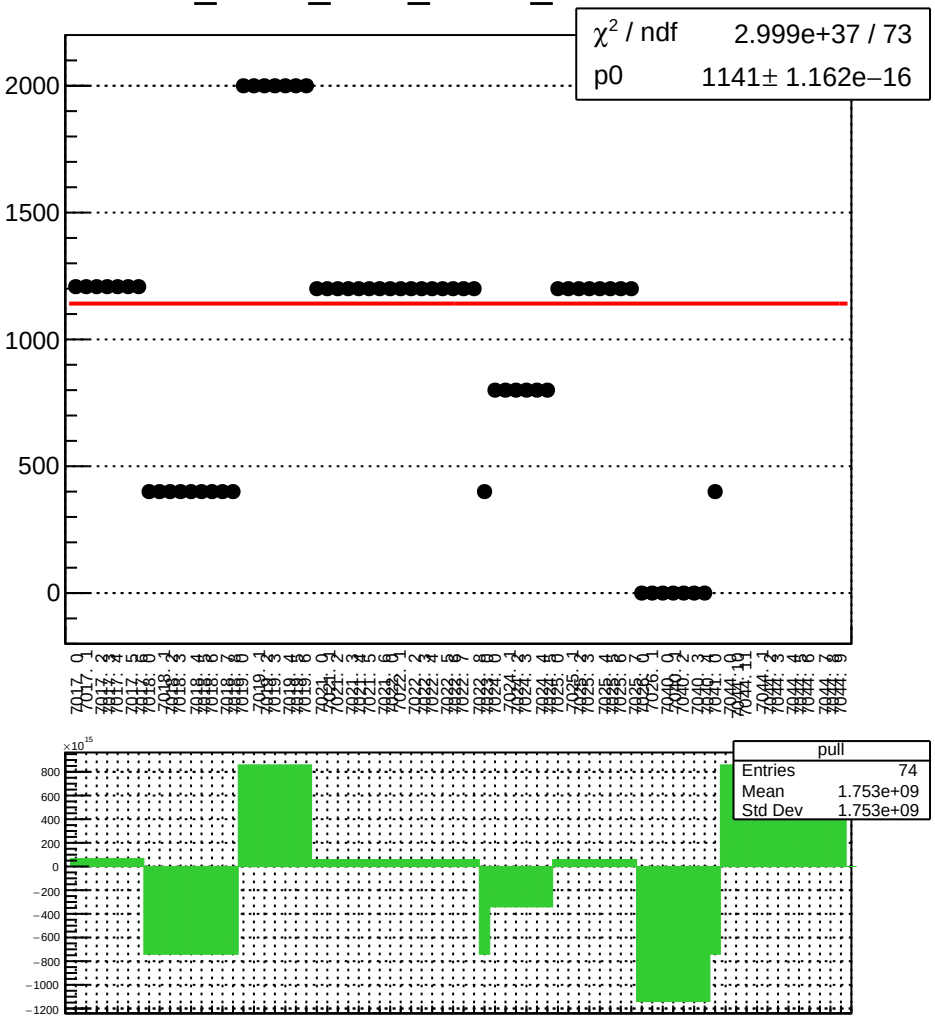


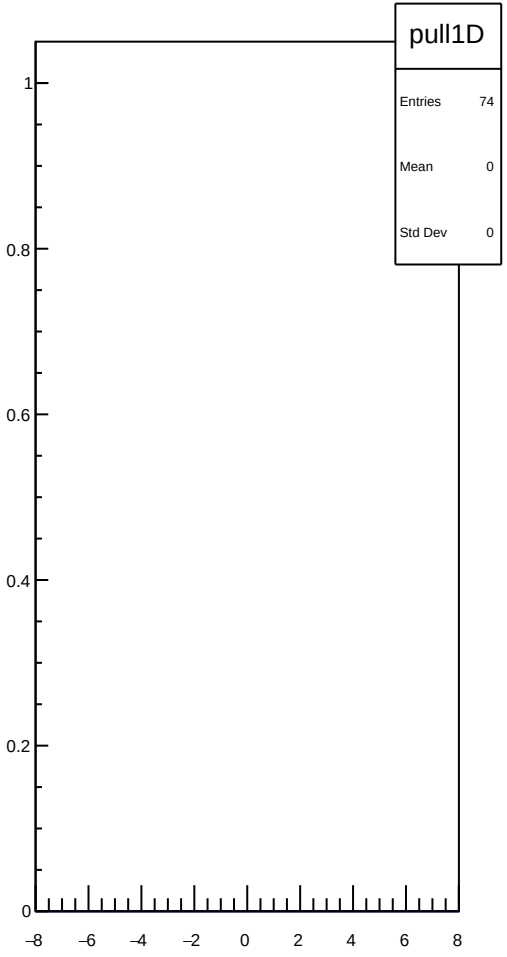


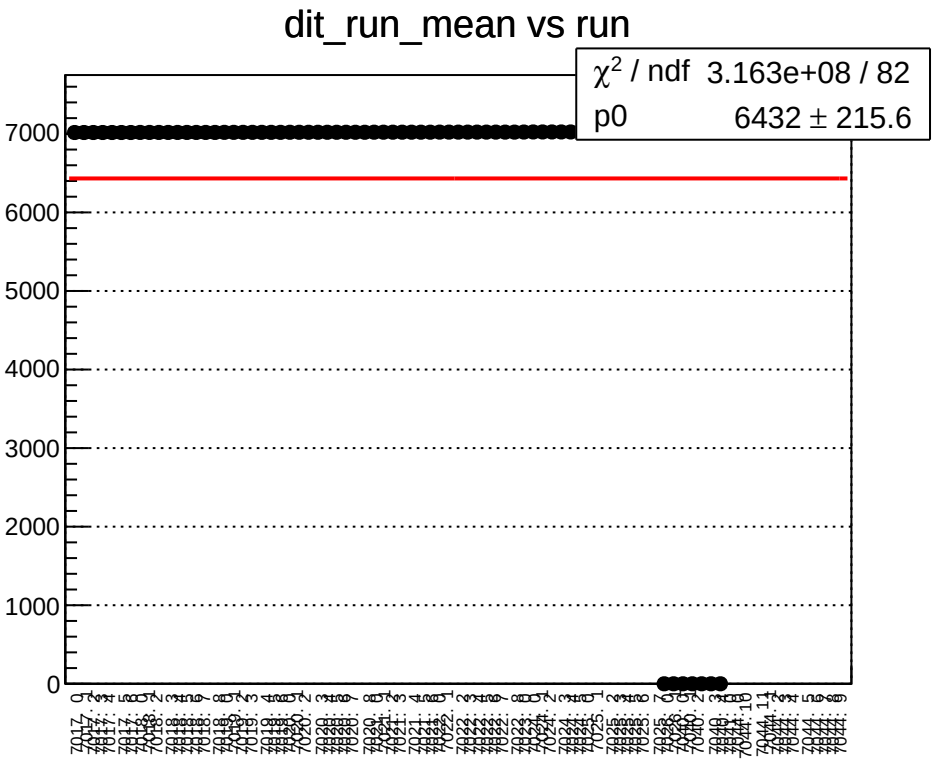

dit_sam8_coil6_err_mean vs run
χ² / ndf 1.073e+34 / 73
p0 31.13 ± 1.162e−16
pull
Entries 74
Mean 3.771e+10
Std Dev 3.771e+10

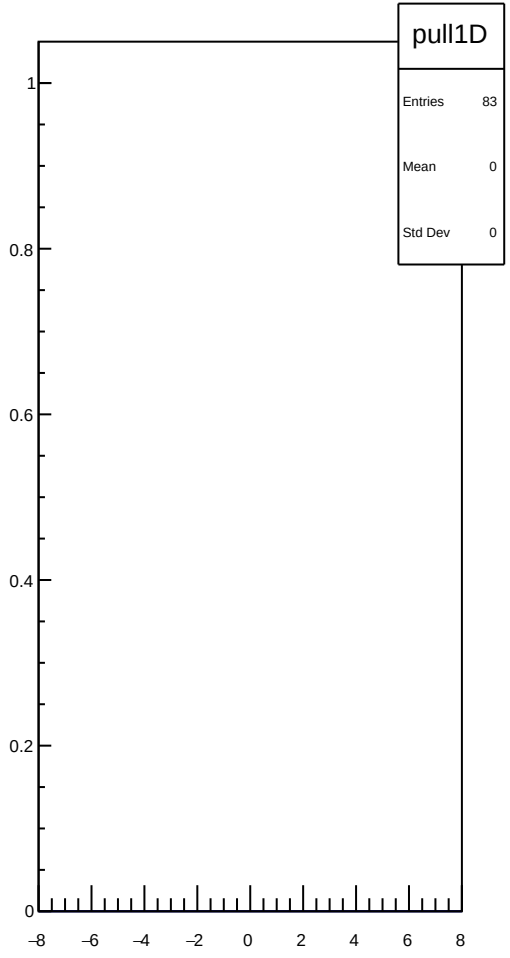

pull1D
Entries 74
Mean 0
Std Dev 0

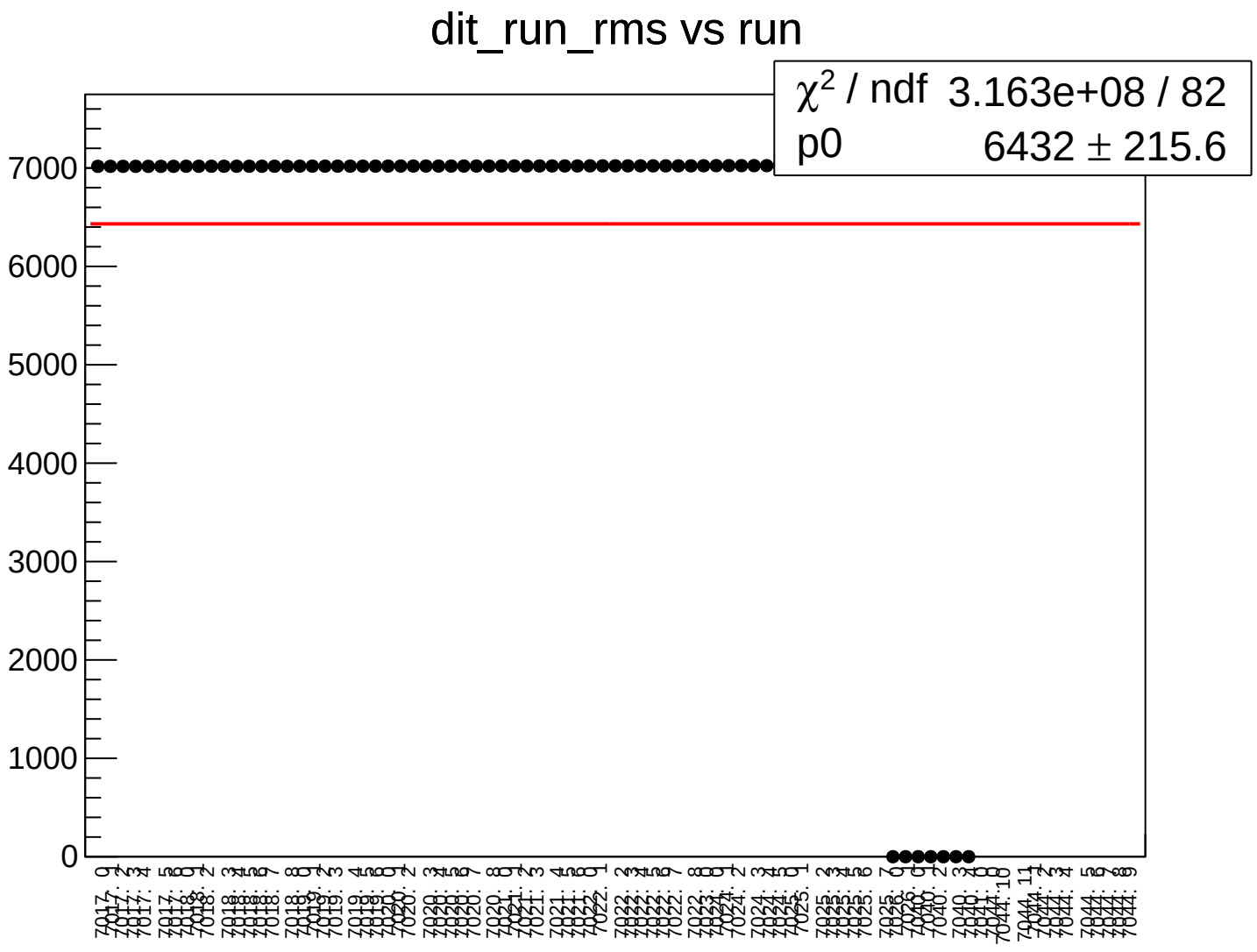
dit_sam8_coil6_Ndata_mean vs run

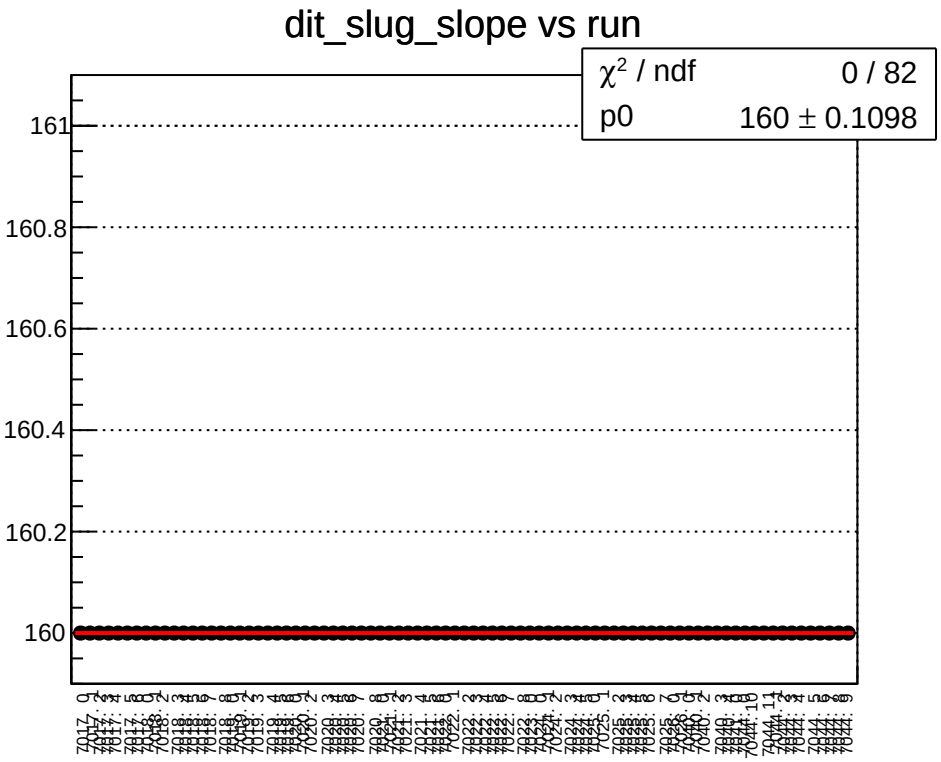


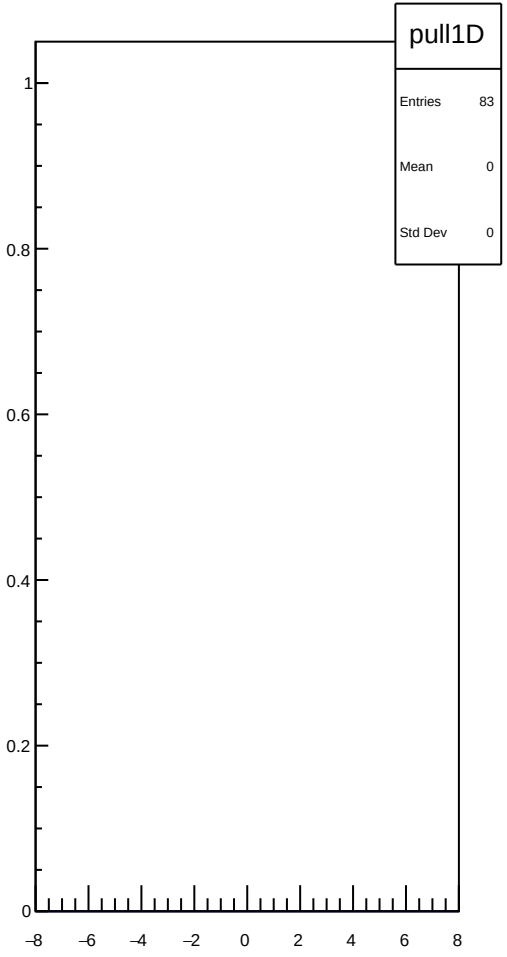


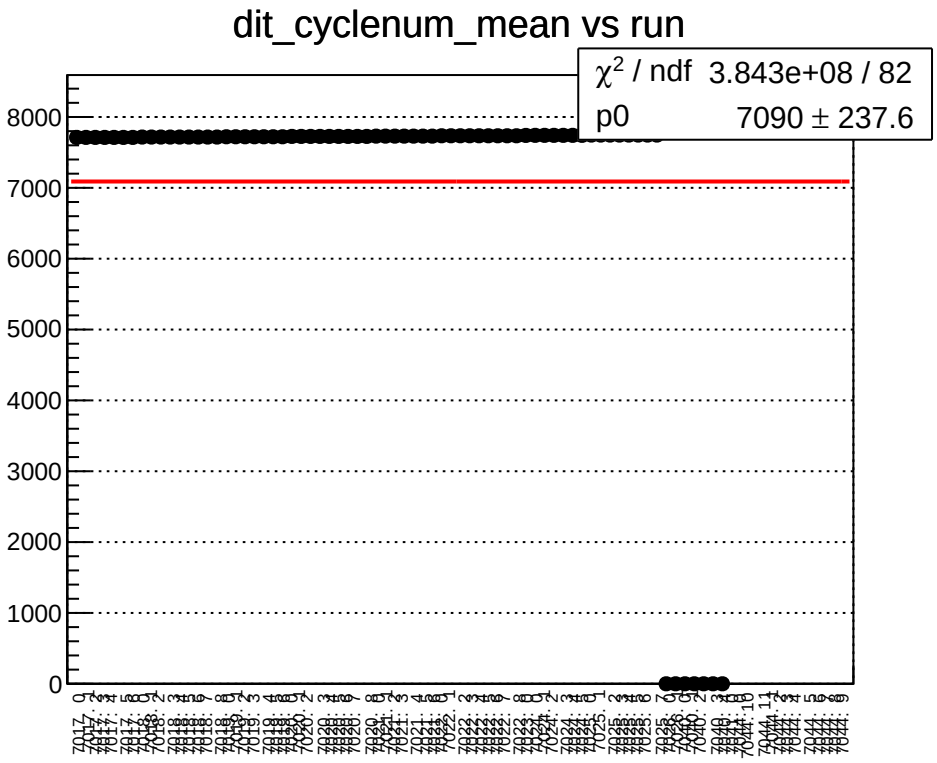

dit_run_mean vs run
χ^2 / ndf 3.163e+08 / 82
p0 6432 ± 215.6
7000
6000
5000
4000
3000
2000
1000
0

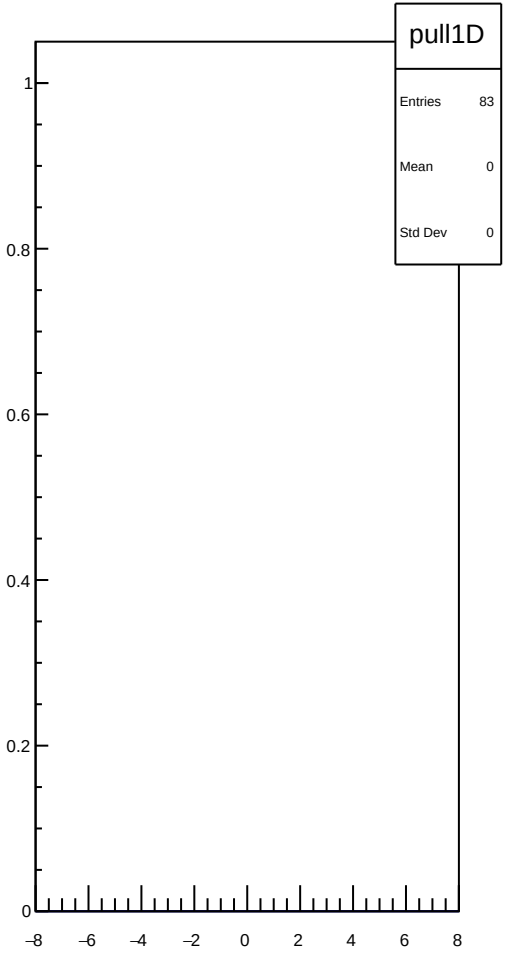

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

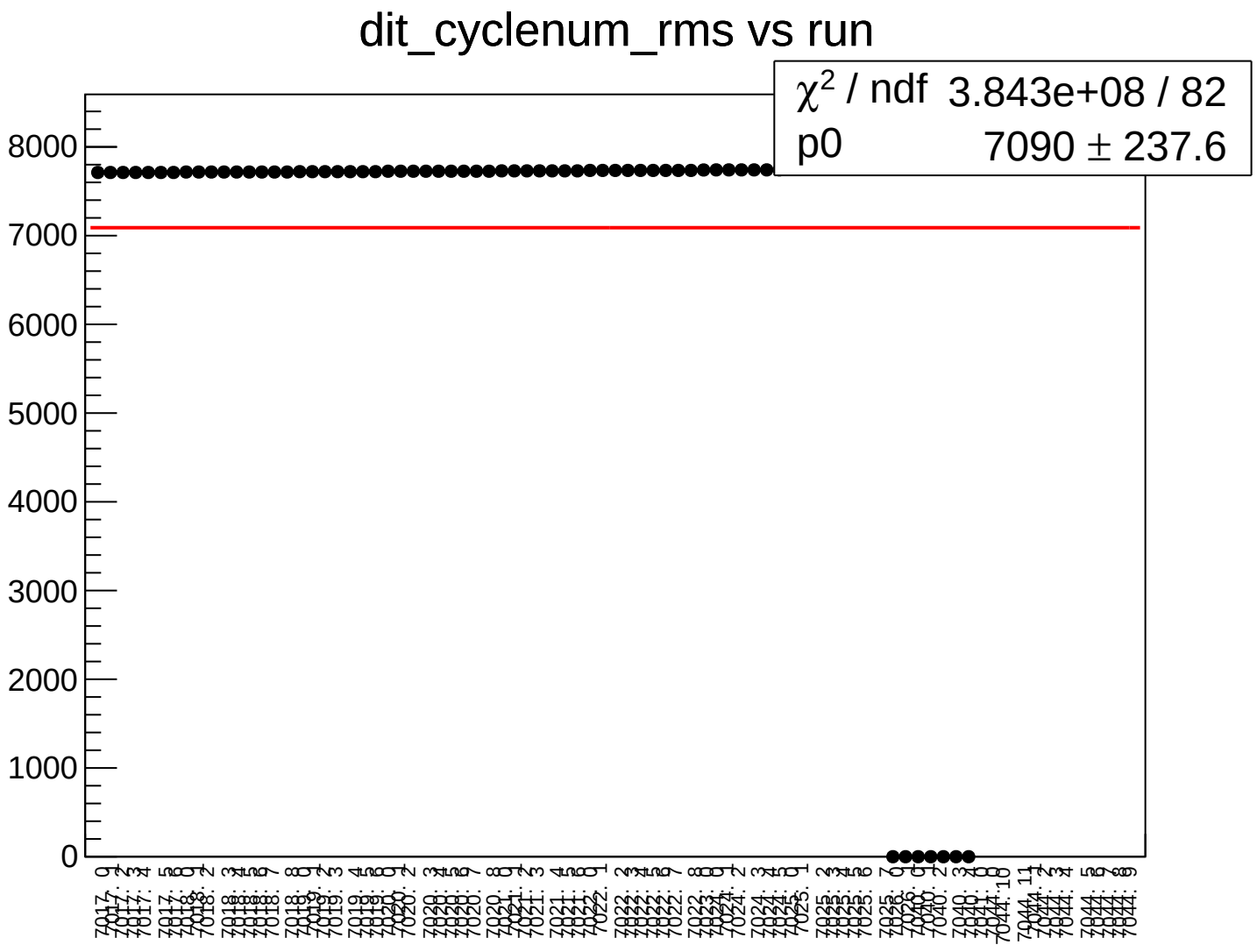

dit_run_rms vs run
χ² / ndf 3.163e+08 / 82
p0 6432 ± 215.6
7000
6000
5000
4000
3000
2000
1000
0

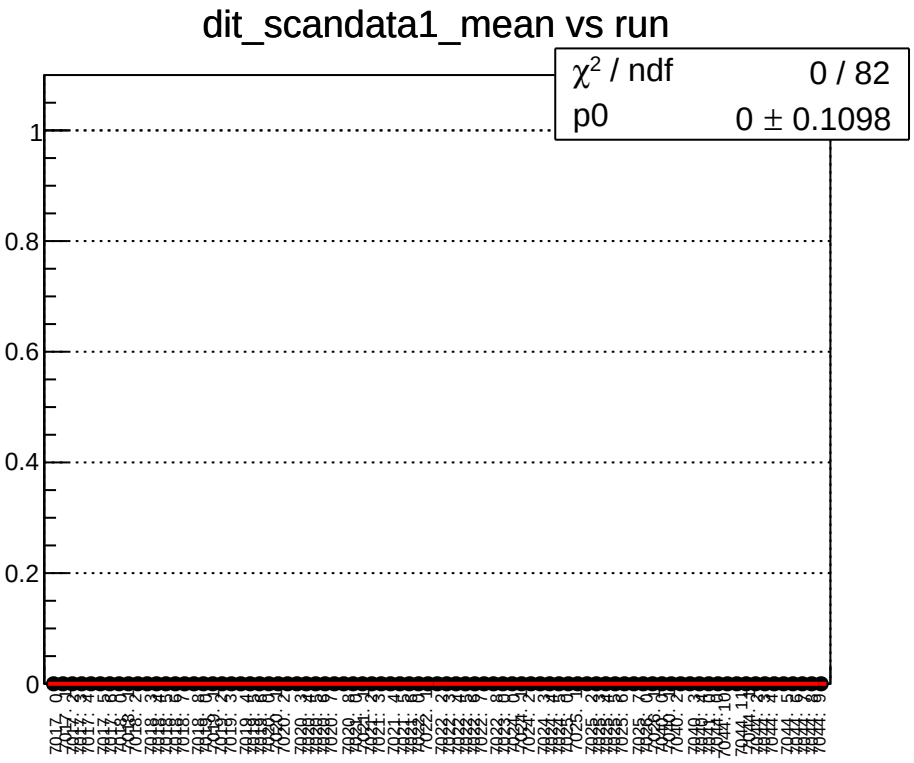

dit_slug_slope vs run
χ^2 / ndf 0 / 82
p0 160 ± 0.1098
161
160.8
160.6
160.4
160.2
160

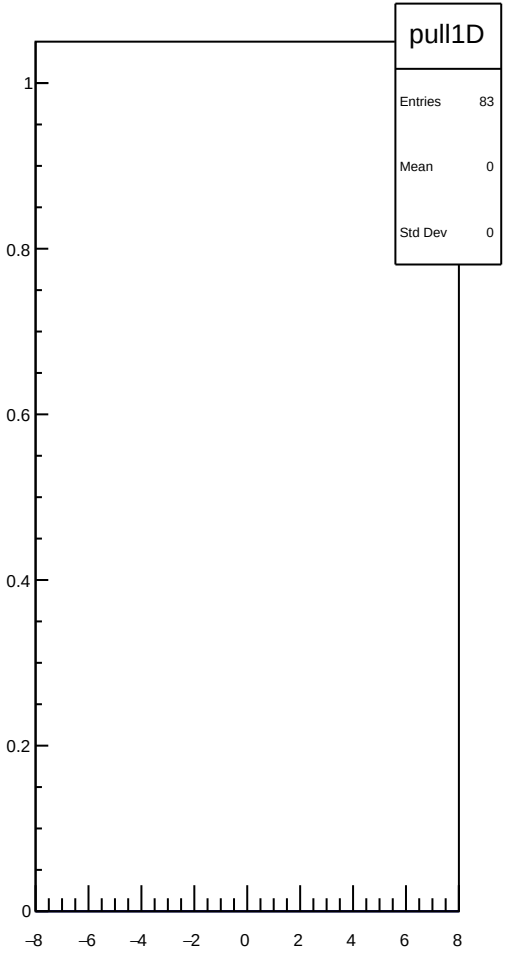

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 3.843e+08 / 82
p0 7090 ± 237.6
8000
7000
6000
5000
4000
3000
2000
1000
0

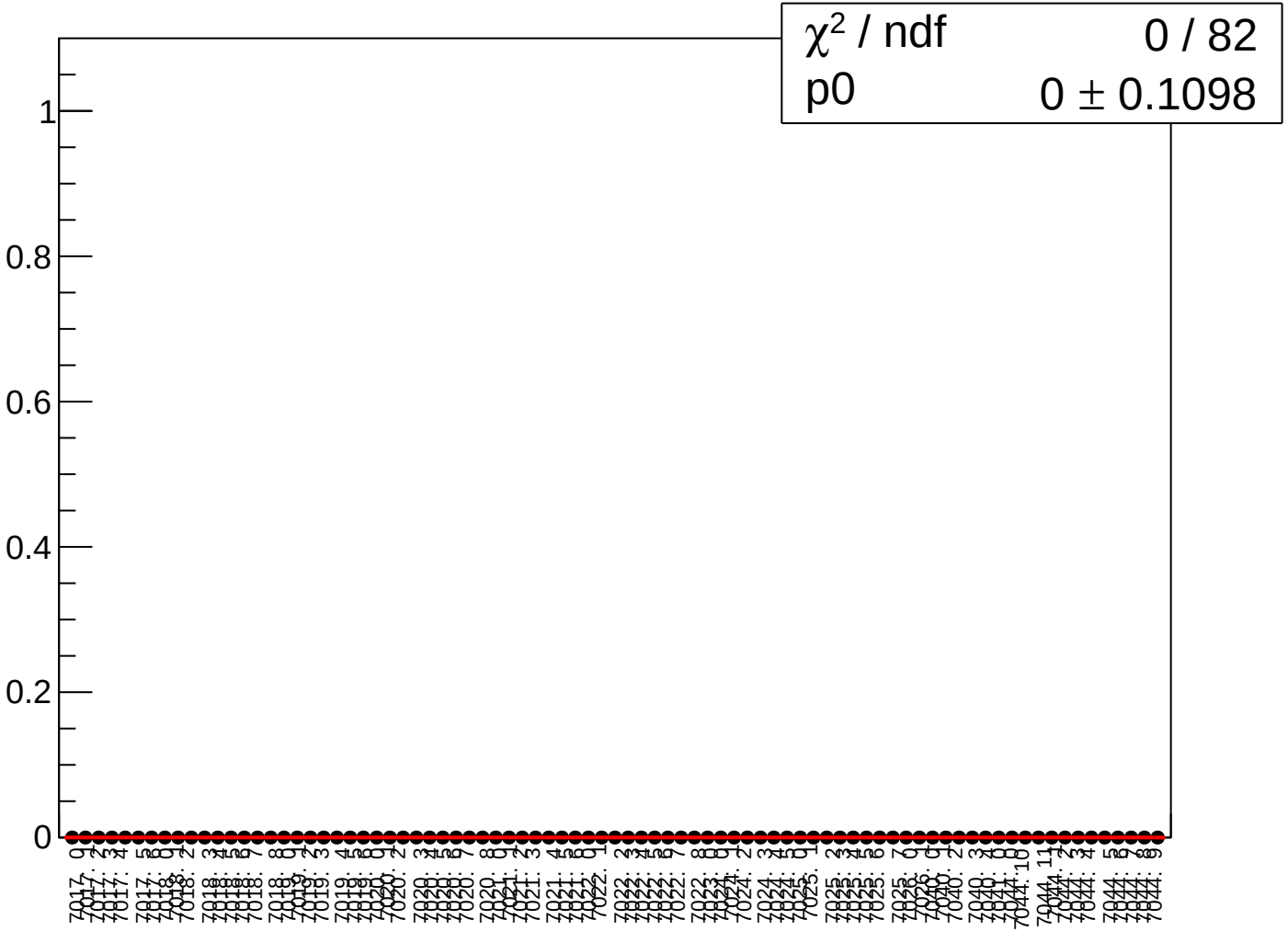

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

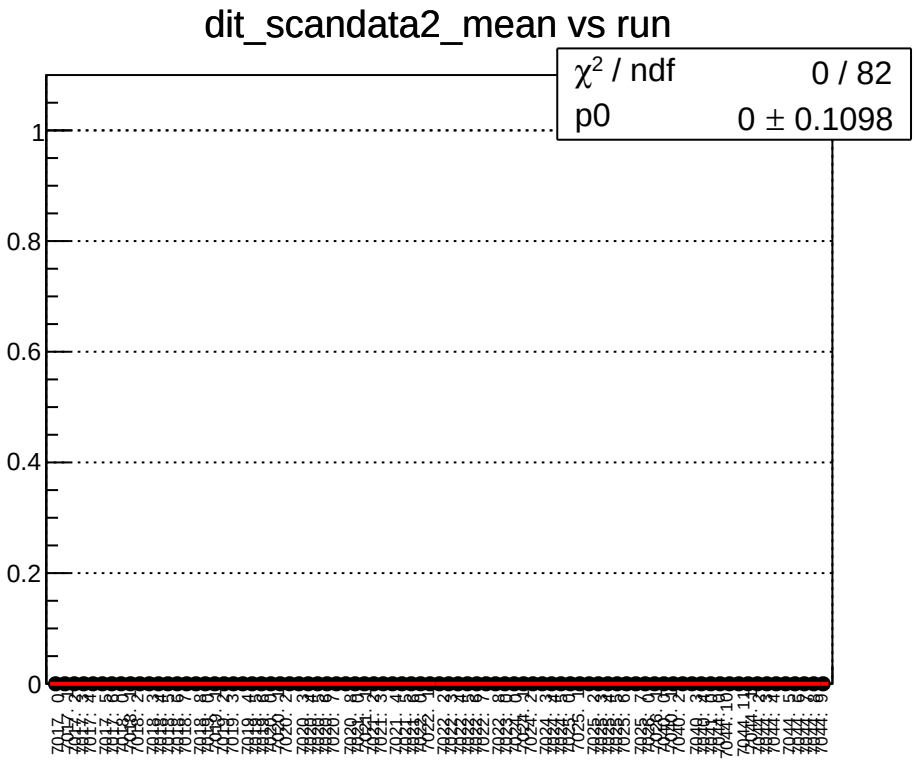

dit_cyclenum_rms vs run
χ² / ndf 3.843e+08 / 82
p0 7090 ± 237.6
8000
7000
6000
5000
4000
3000
2000
1000
0

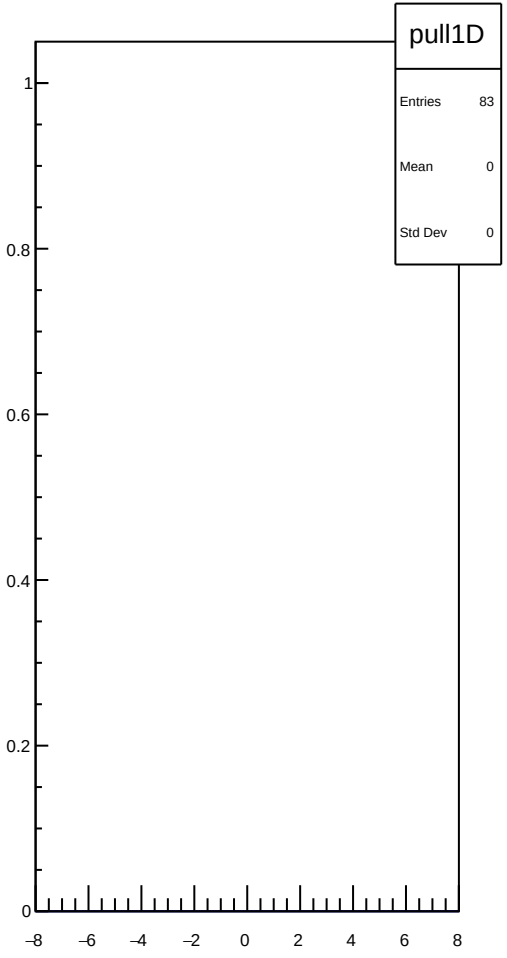

dit_scandata1_mean vs run
χ^2 / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

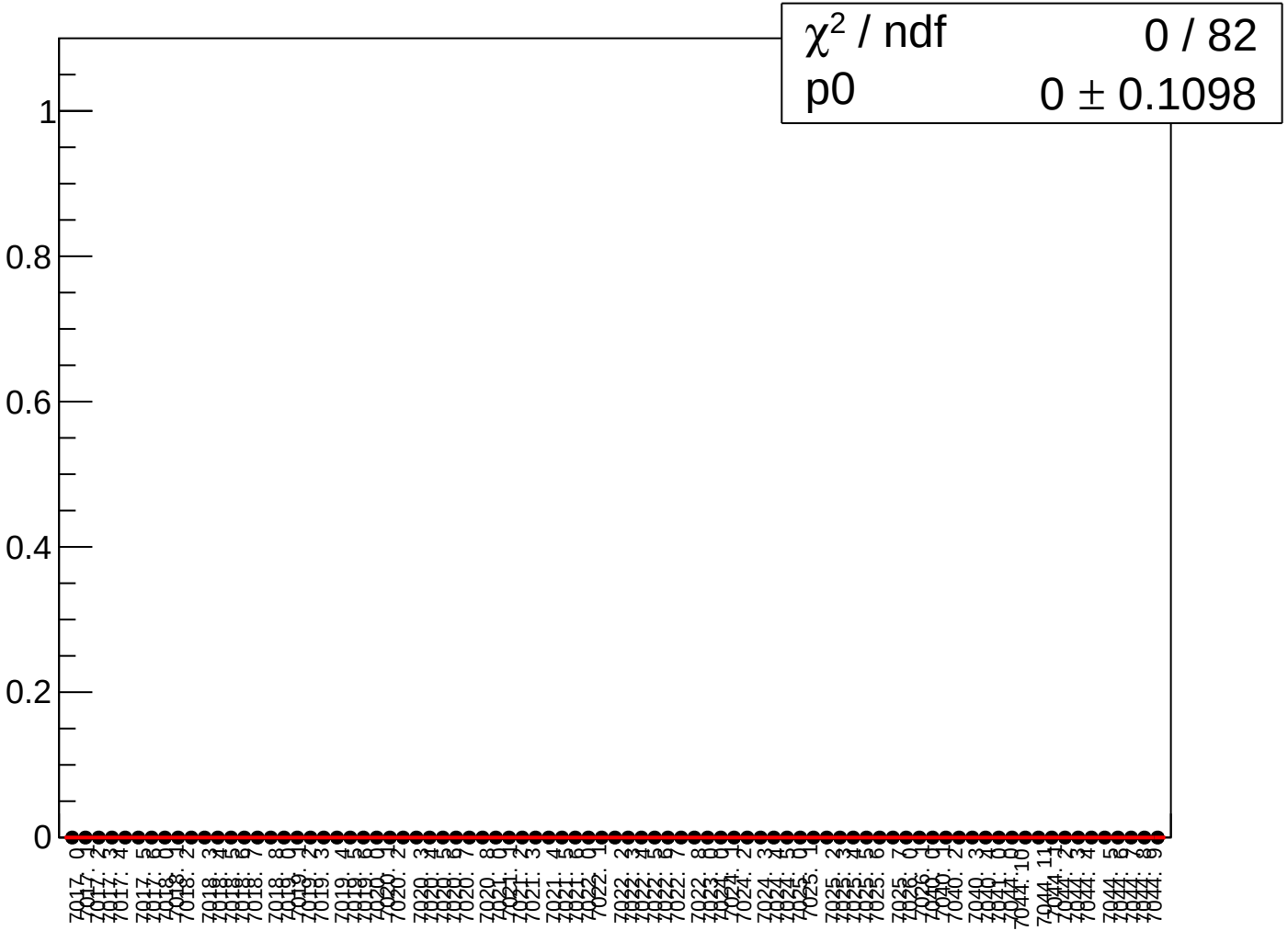
dit_scandata1_rms vs run

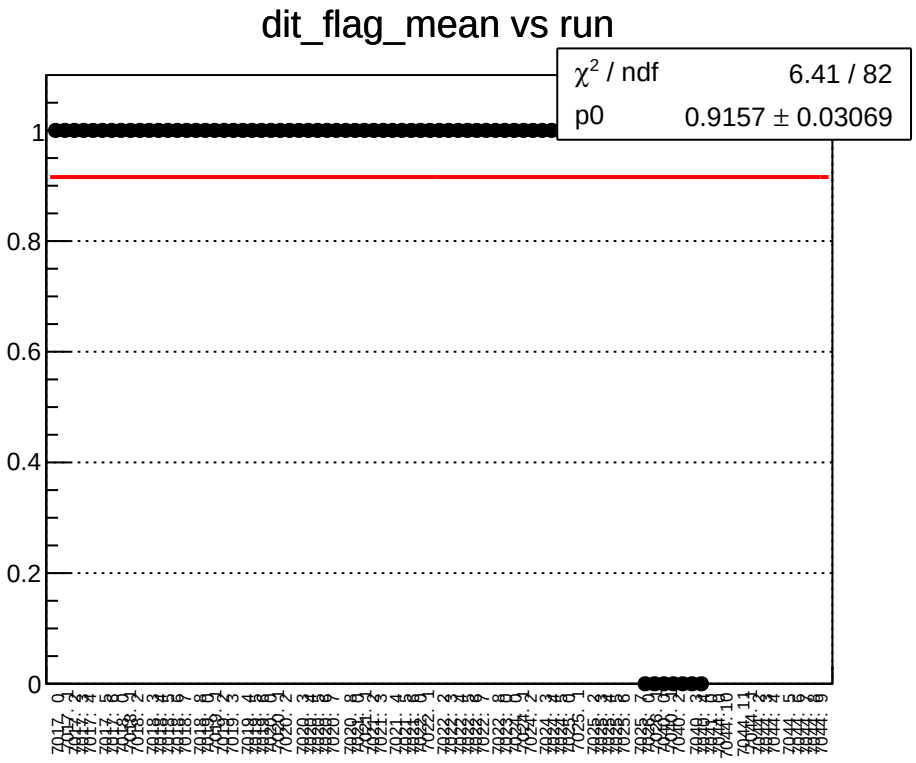


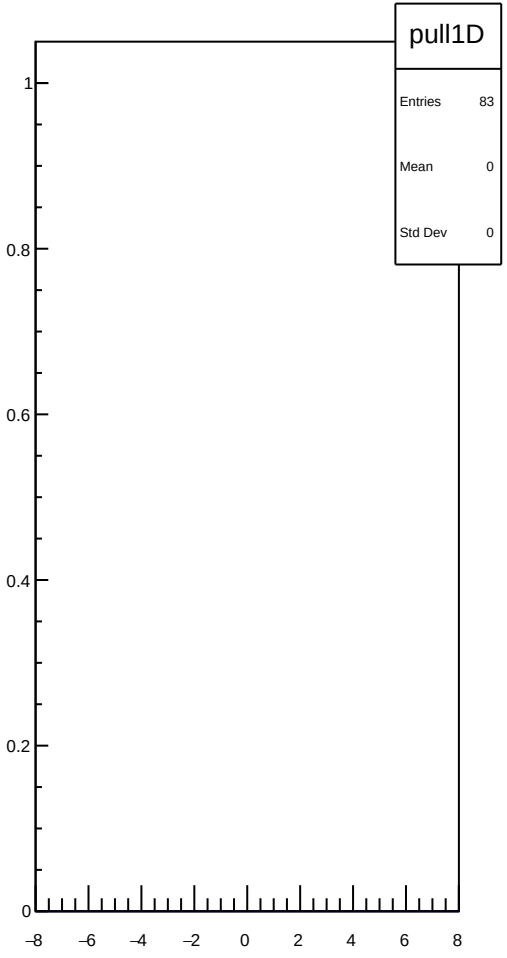

dit_scandata2_mean vs run
χ^2 / ndf 0 / 82
p0 0 ± 0.1098
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

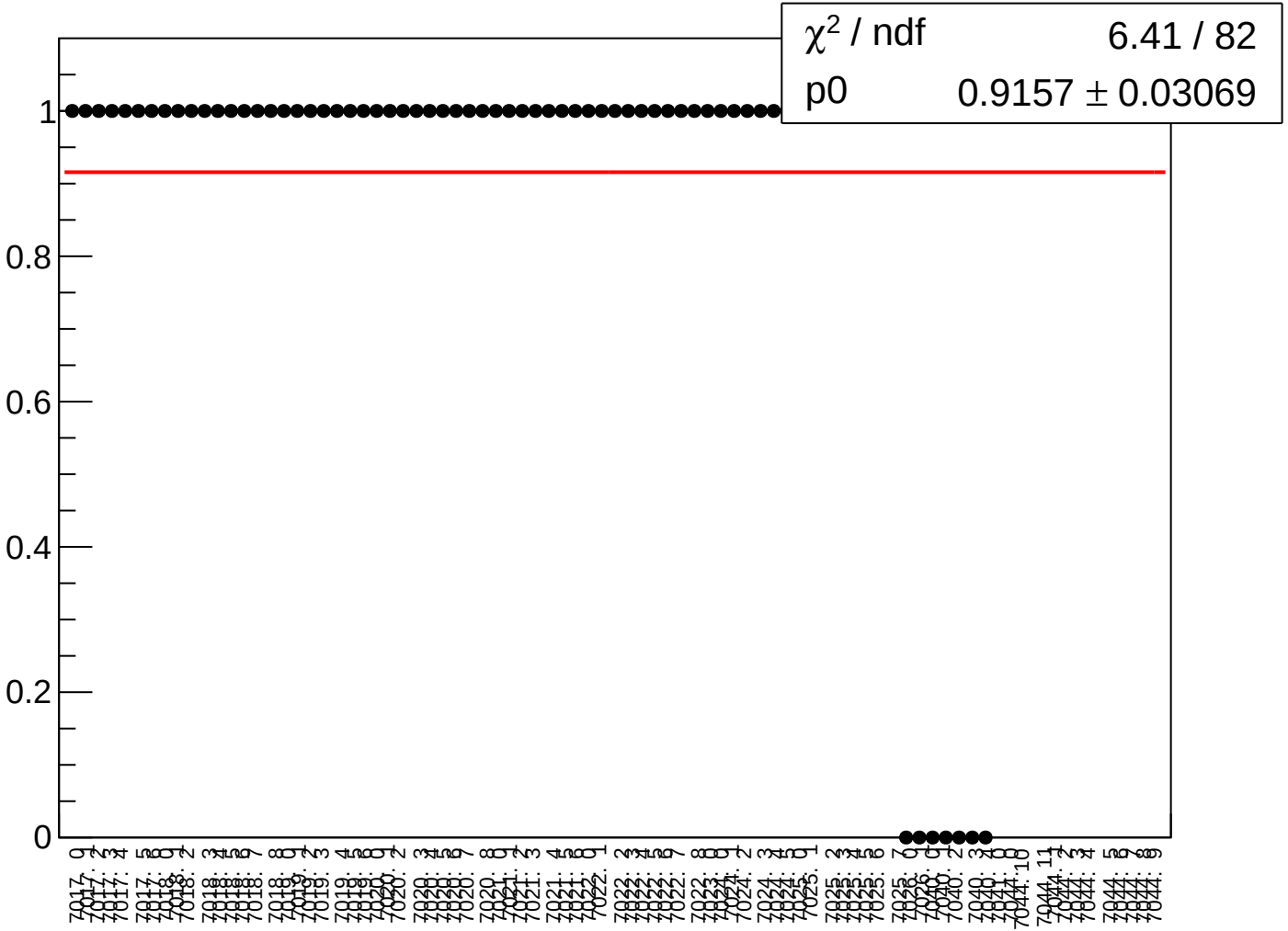
dit_scandata2_rms vs run

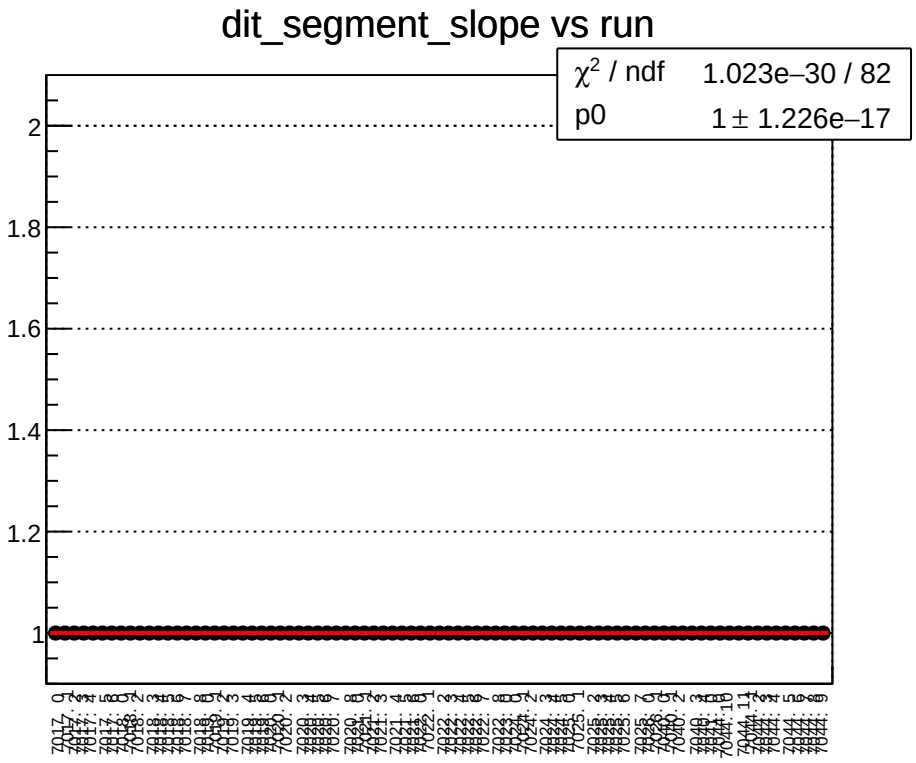


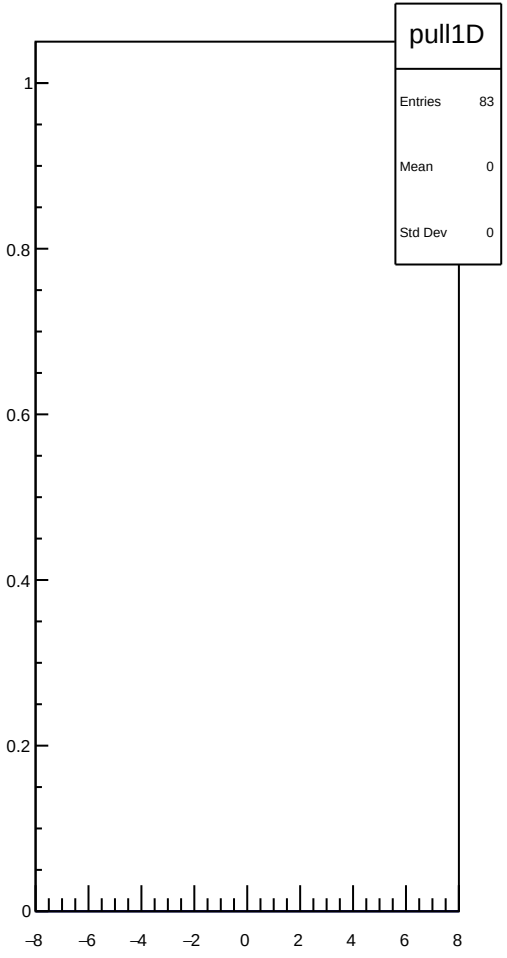

dit_flag_mean vs run
χ^2 / ndf 6.41 / 82
p0 0.9157 ± 0.03069
1
0.8
0.6
0.4
0.2
0

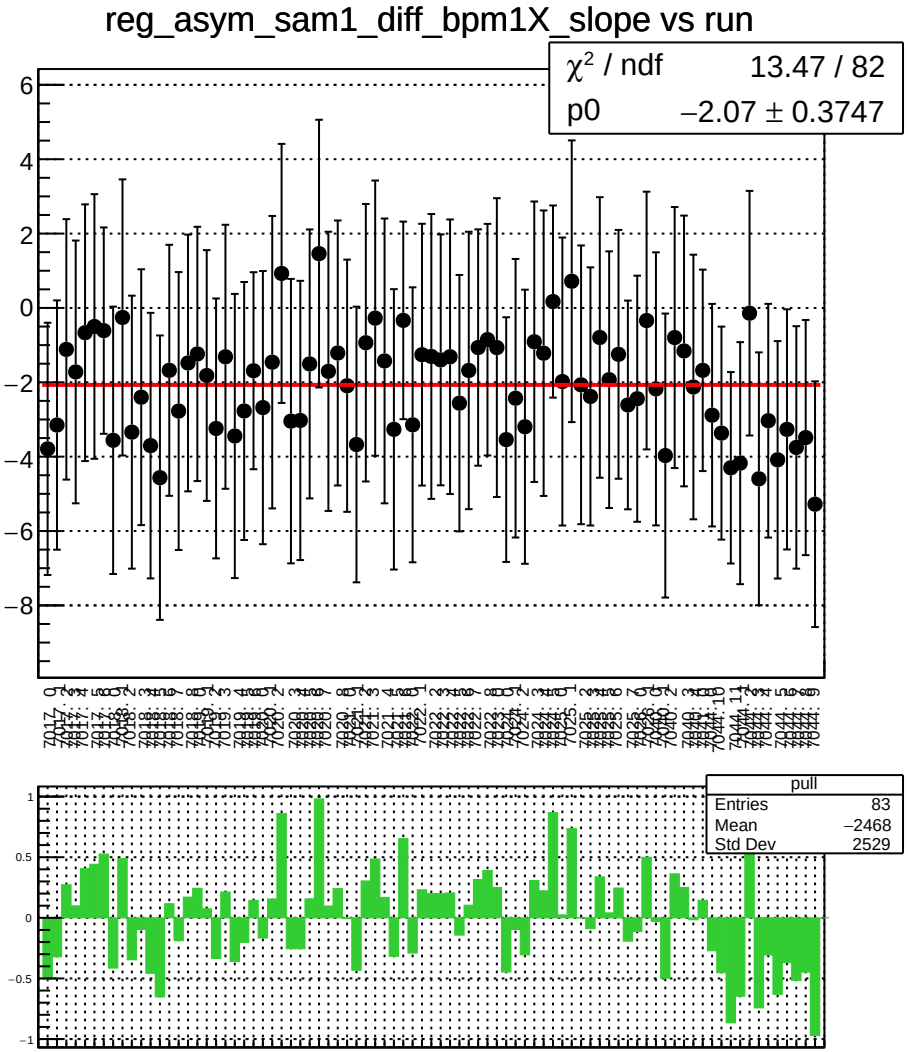

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

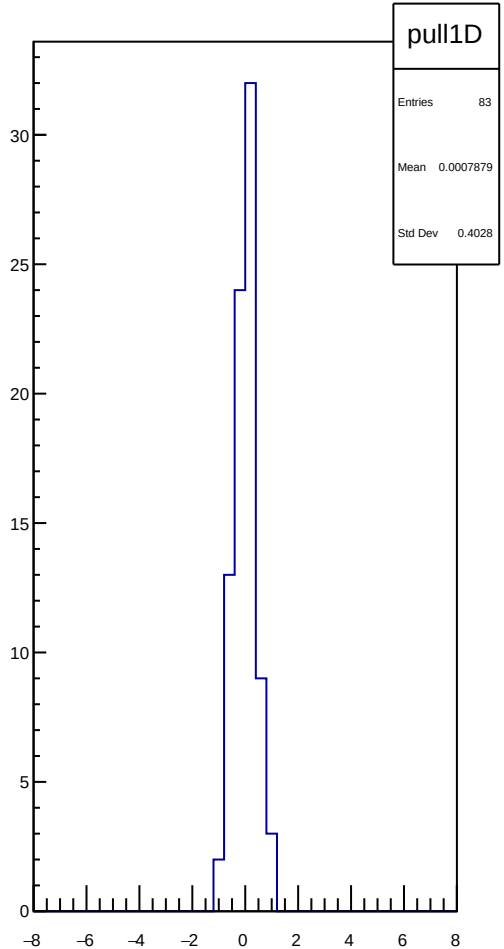
dit_flag_rms vs run

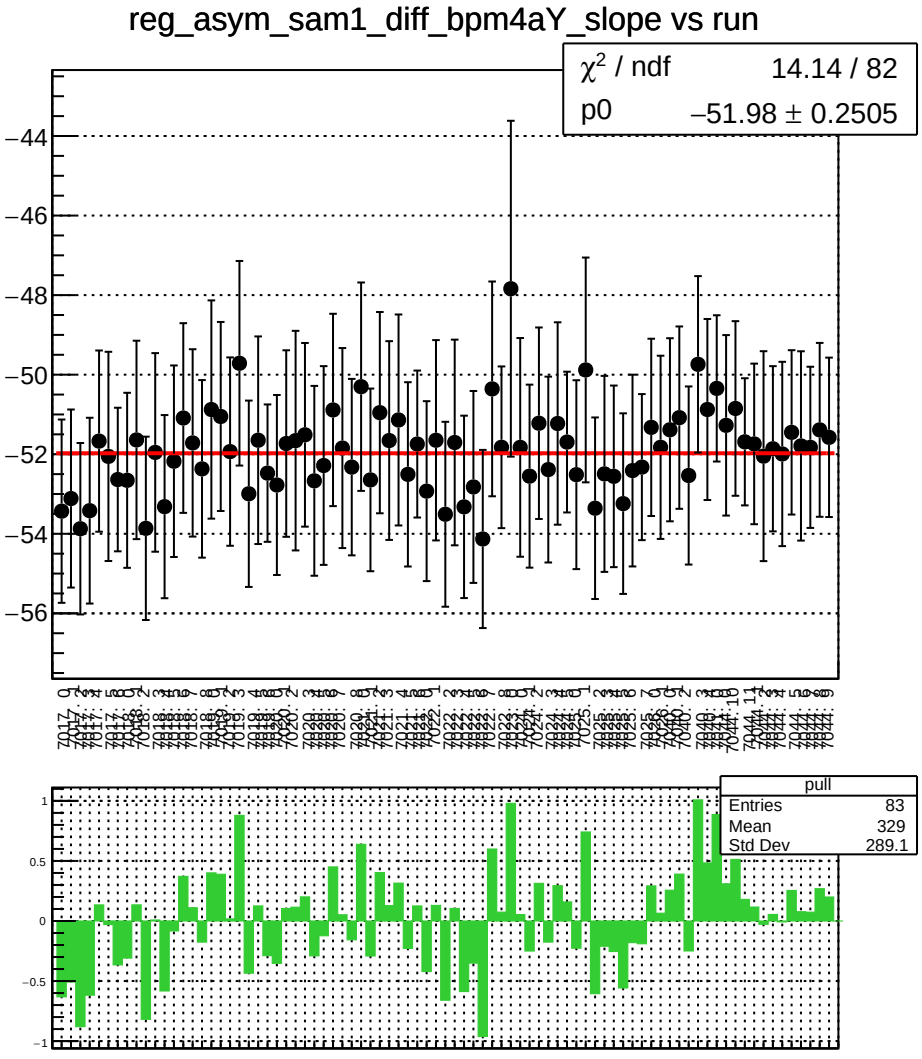


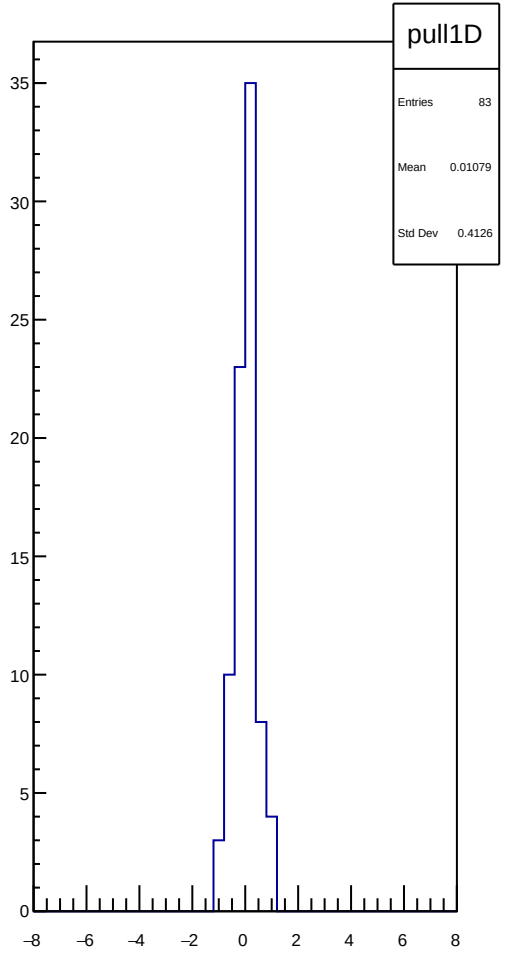

dit_segment_slope vs run
χ^2 / ndf 1.023e−30 / 82
p0 1 ± 1.226e−17
2
1.8
1.6
1.4
1.2
1

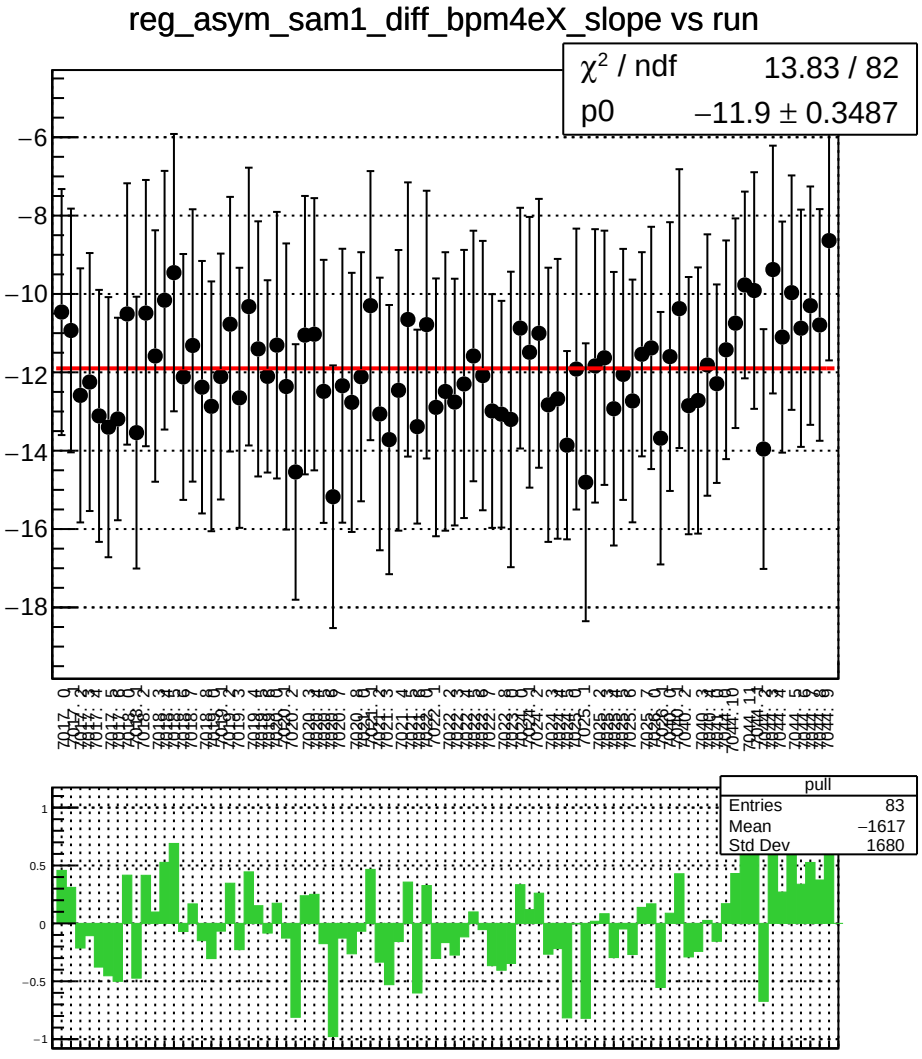

pull1D
Entries 83
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

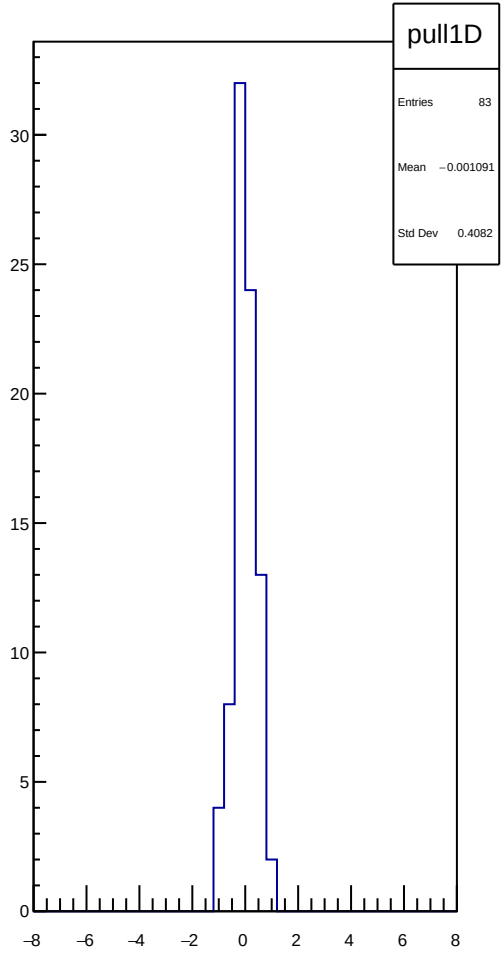

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 13.47 / 82
p0 −2.07 ± 0.3747
pull
Entries 83
Mean −2468
Std Dev 2529

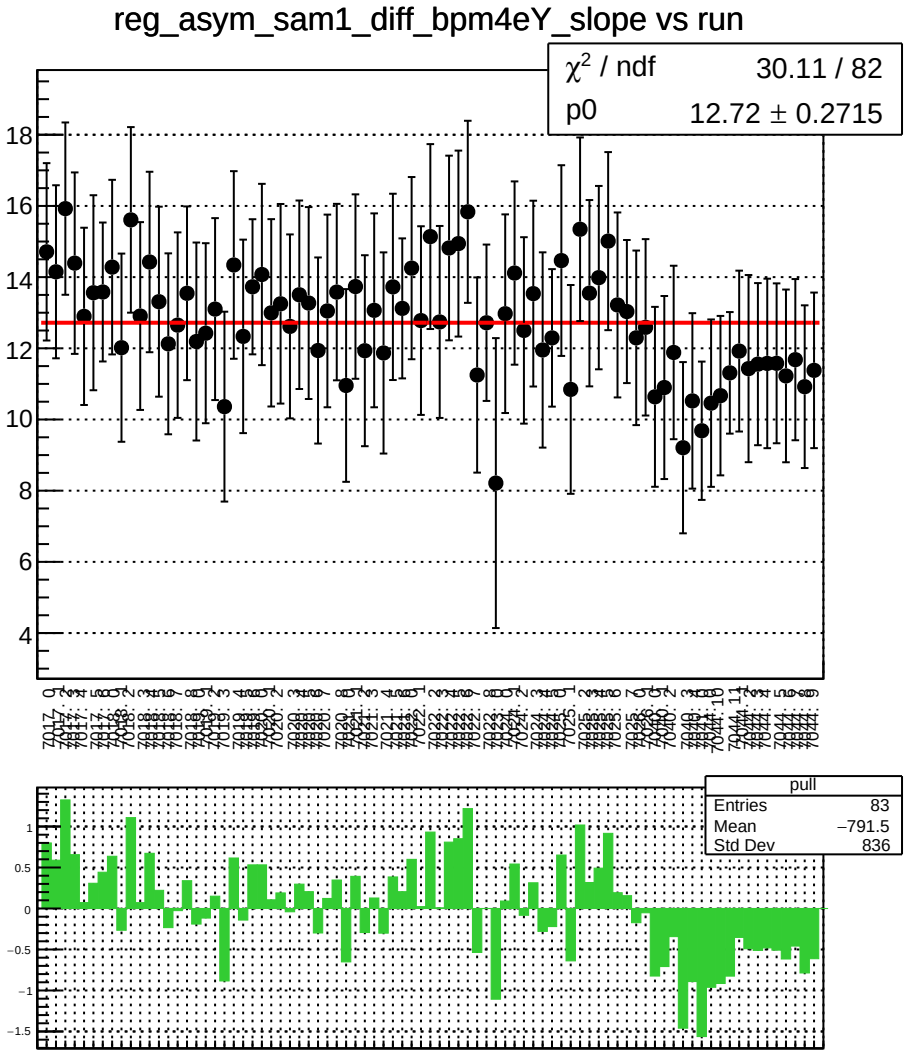

pull1D
Entries 83
Mean 0.0007879
Std Dev 0.4028

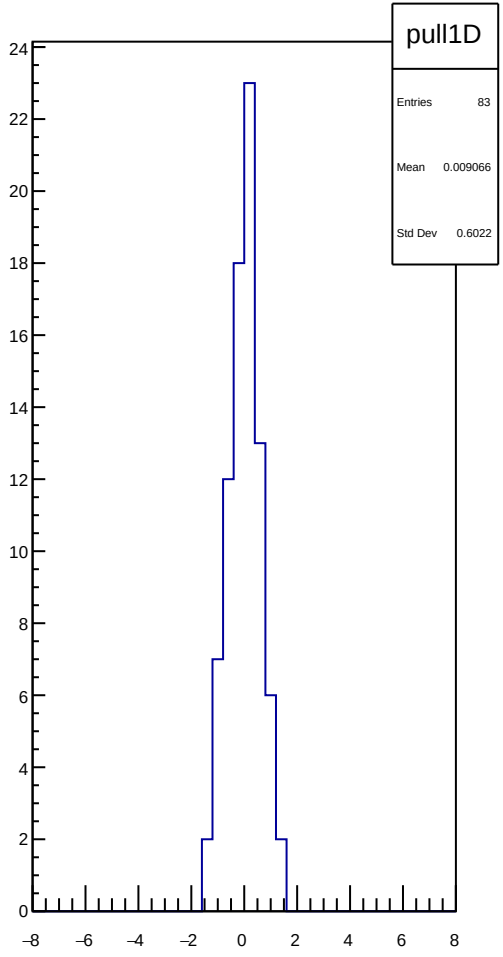

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 14.14 / 82
p0 −51.98 ± 0.2505
pull
Entries 83
Mean 329
Std Dev 289.1

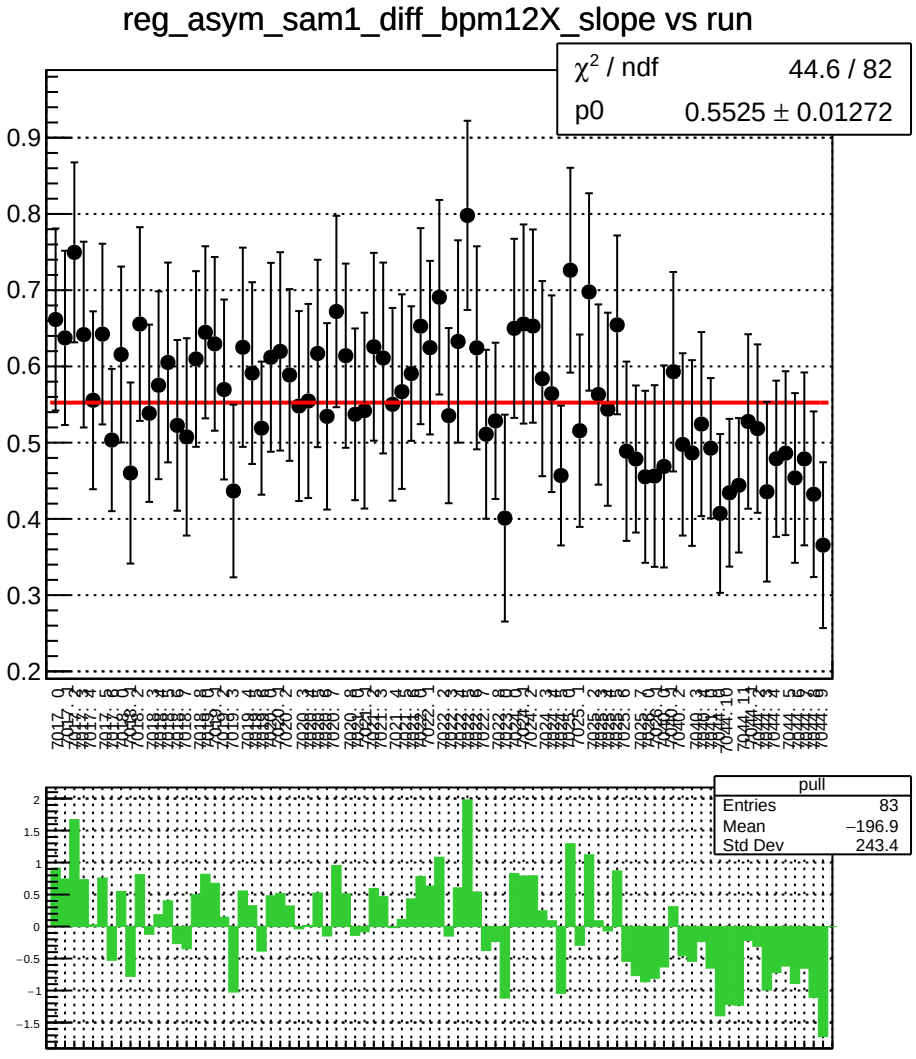

pull1D
Entries 83
Mean 0.01079
Std Dev 0.4126

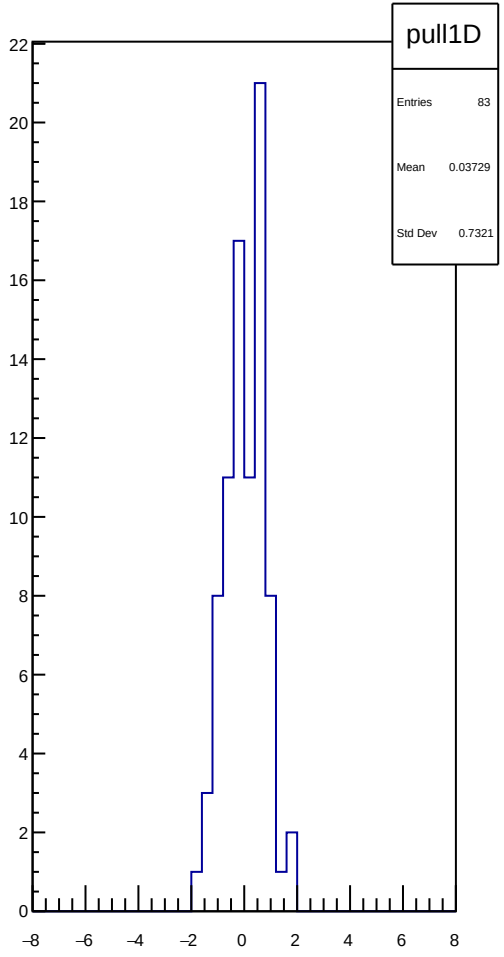

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 13.83 / 82
p0 −11.9 ± 0.3487
pull
Entries 83
Mean −1617
Std Dev 1680

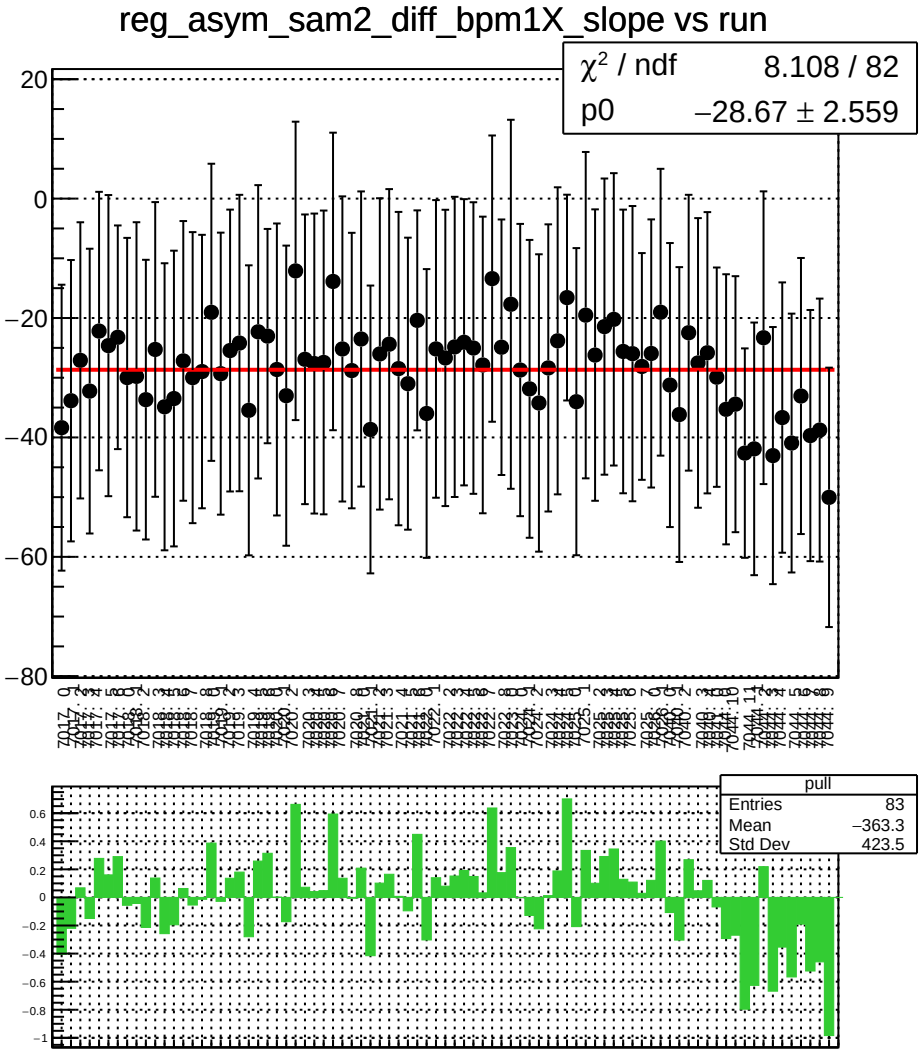

pull1D
Entries 83
Mean −0.001091
Std Dev 0.4082

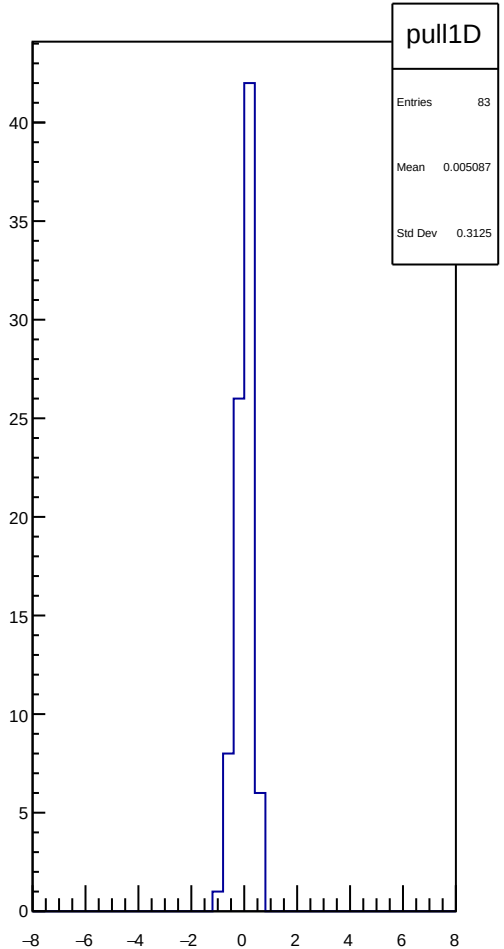

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 30.11 / 82
p0 12.72 ± 0.2715
pull
Entries 83
Mean −791.5
Std Dev 836

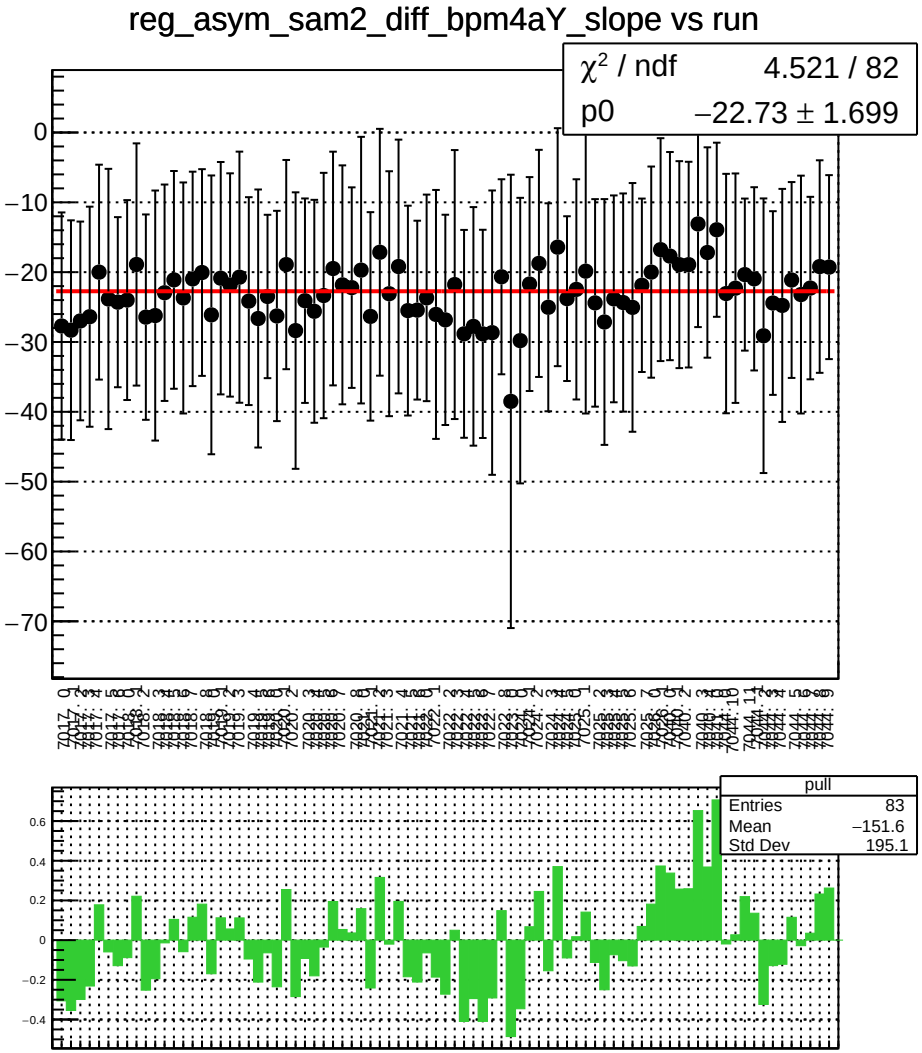

pull1D
Entries 83
Mean 0.009066
Std Dev 0.6022

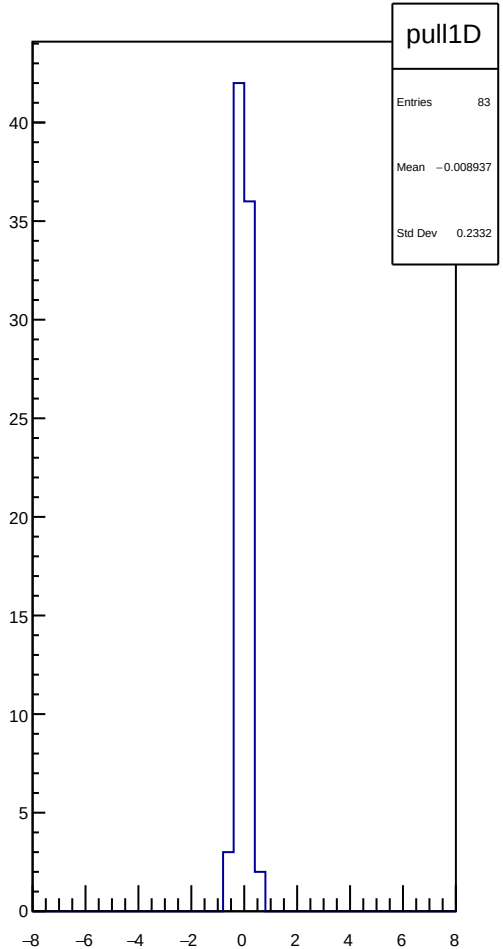

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 44.6 / 82
p0 0.5525 ± 0.01272
pull
Entries 83
Mean −196.9
Std Dev 243.4

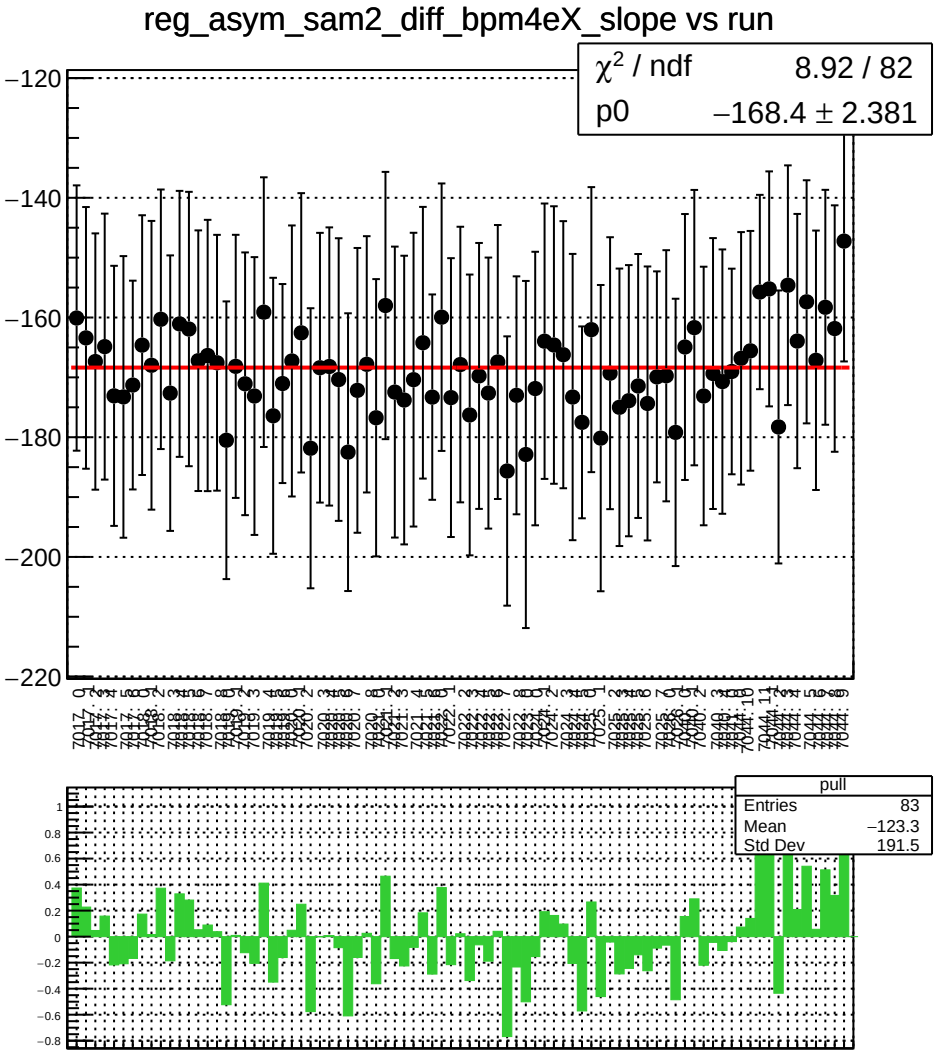

pull1D
Entries 83
Mean 0.03729
Std Dev 0.7321

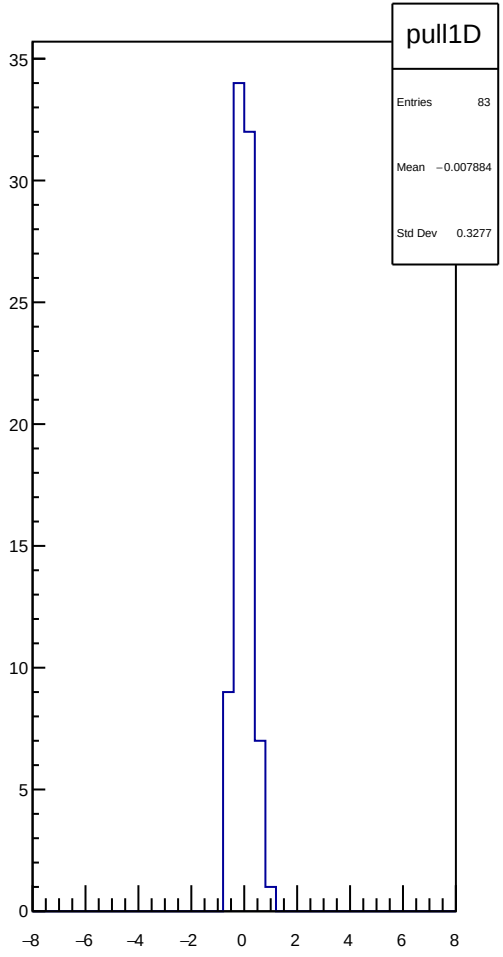

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.108 / 82
p0 −28.67 ± 2.559
pull
Entries 83
Mean −363.3
Std Dev 423.5

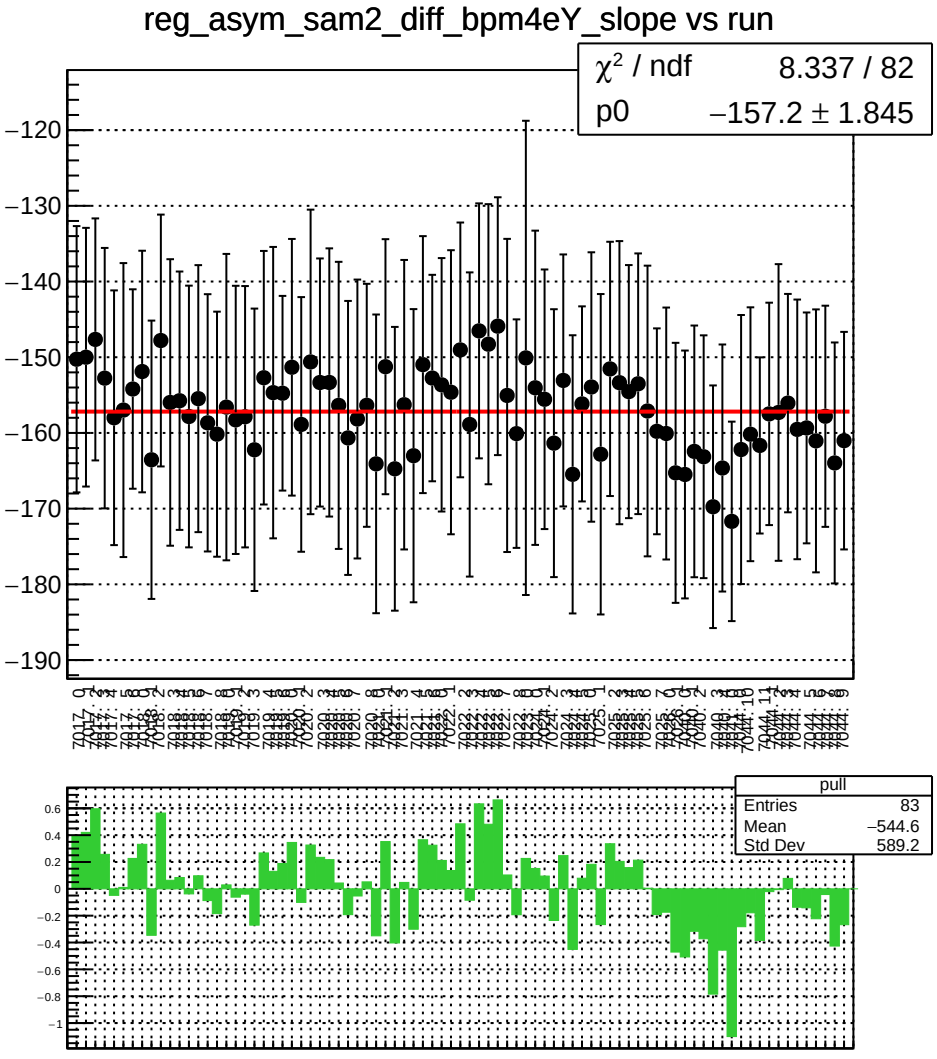

pull1D
Entries 83
Mean 0.005087
Std Dev 0.3125

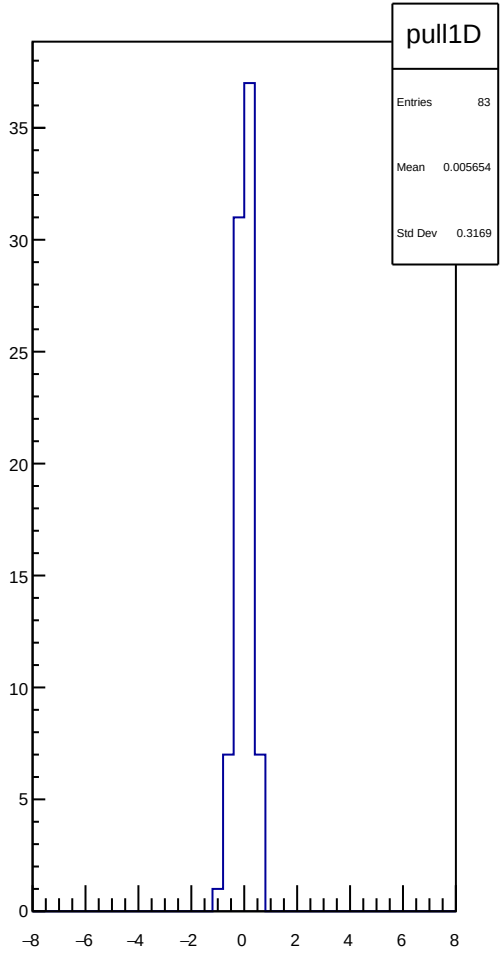

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.521 / 82
p0 −22.73 ± 1.699
pull
Entries 83
Mean −151.6
Std Dev 195.1

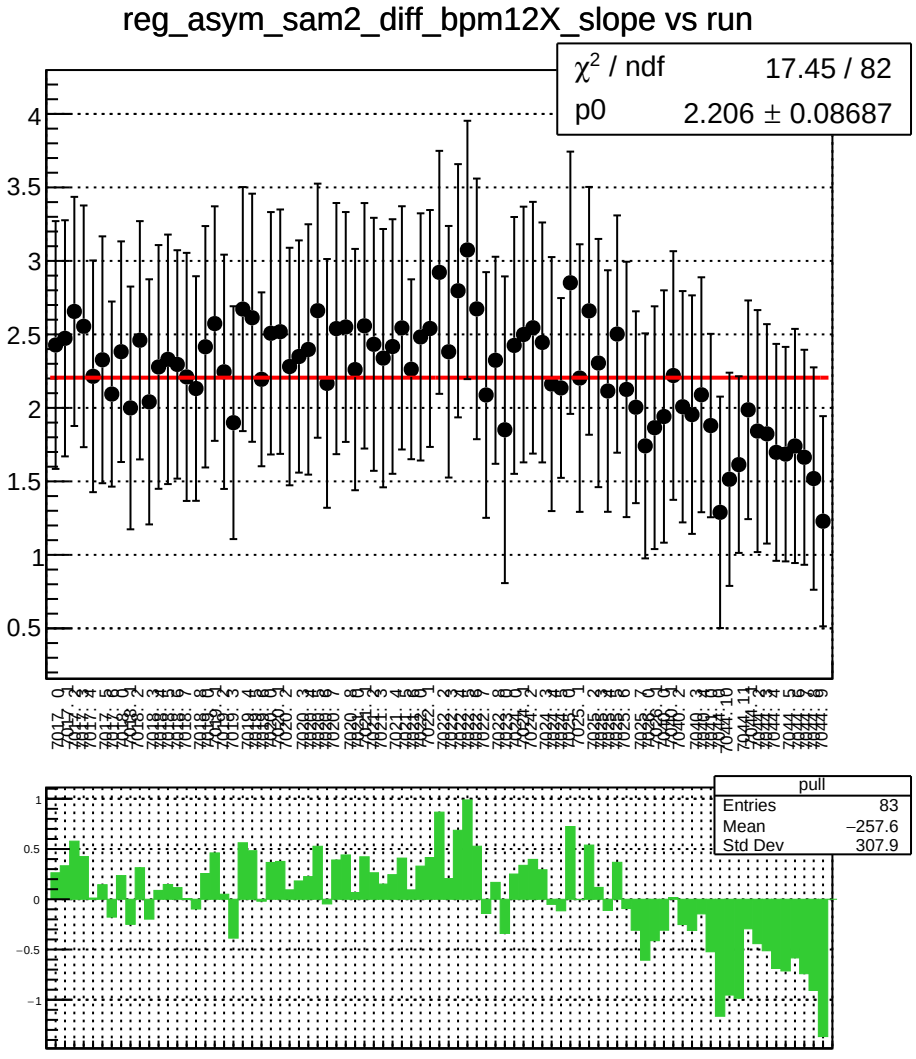

pull1D
Entries 83
Mean −0.008937
Std Dev 0.2332

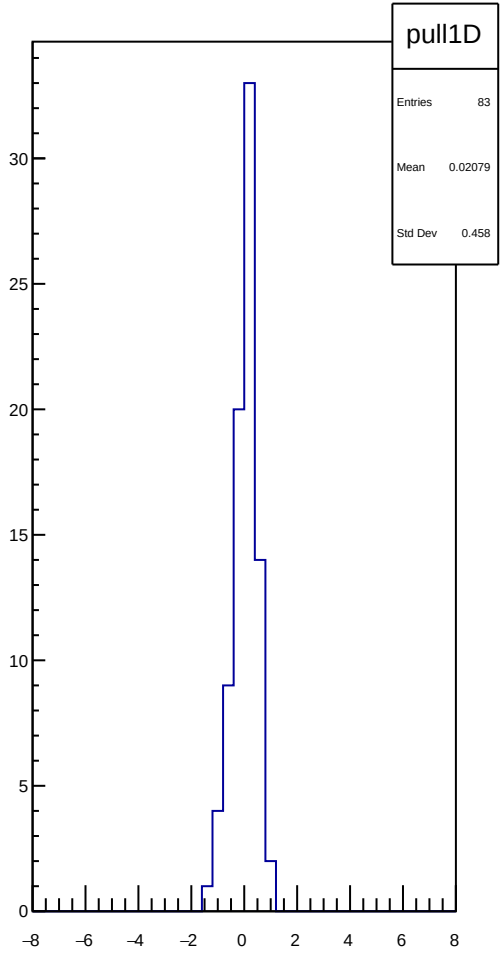

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.92 / 82
p0 −168.4 ± 2.381
pull
Entries 83
Mean −123.3
Std Dev 191.5

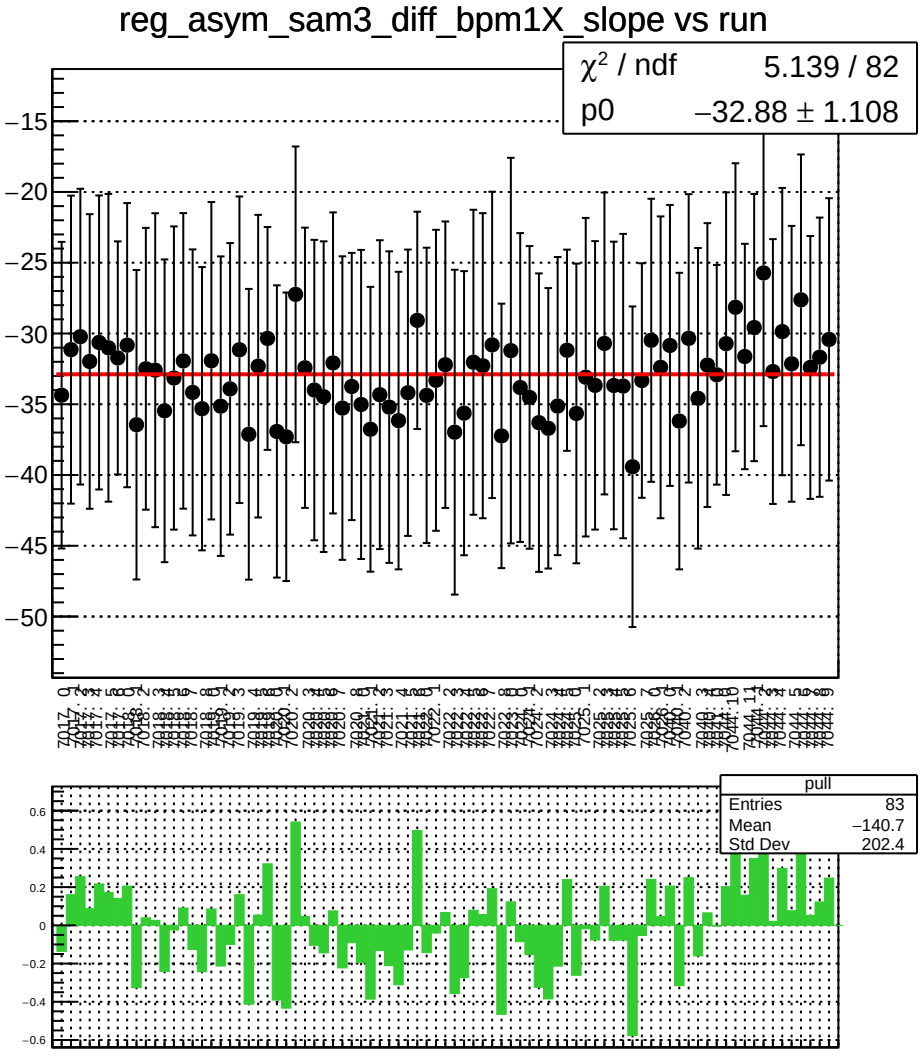

pull1D
Entries 83
Mean −0.007884
Std Dev 0.3277

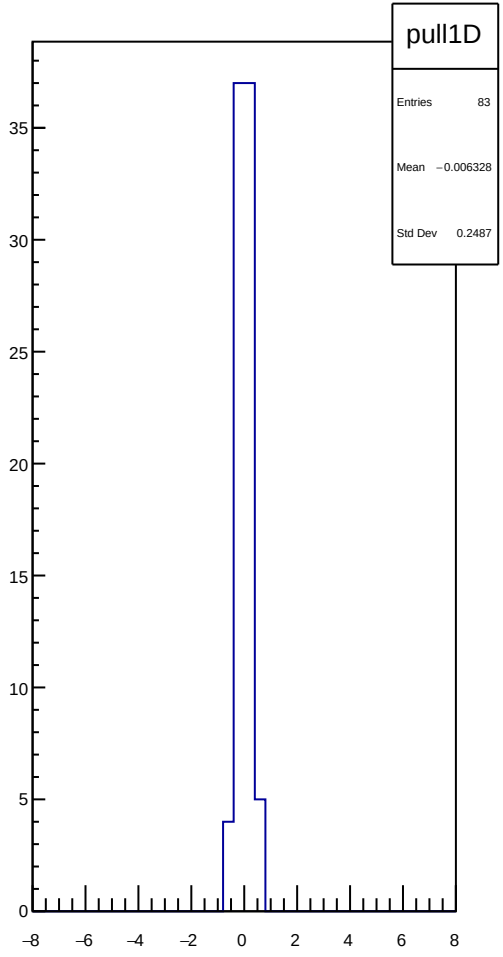

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.337 / 82
p0 −157.2 ± 1.845
pull
Entries 83
Mean −544.6
Std Dev 589.2

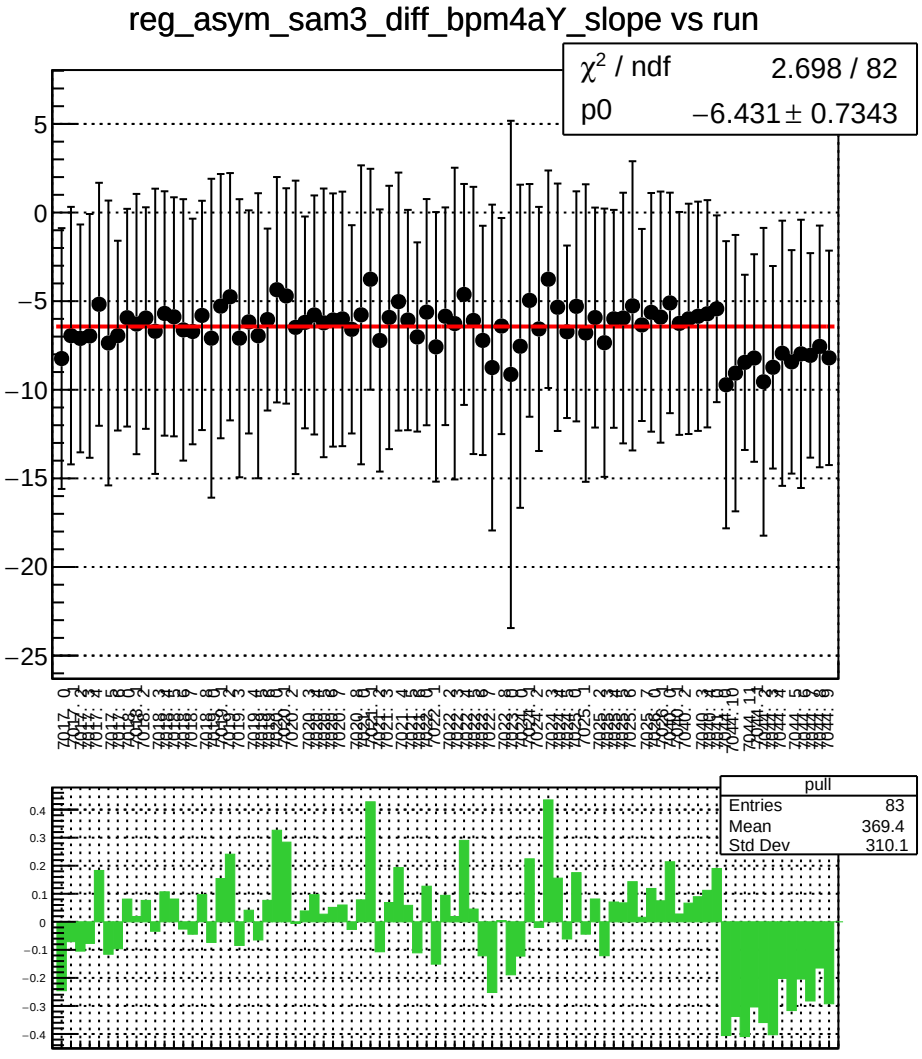

pull1D
Entries 83
Mean 0.005654
Std Dev 0.3169

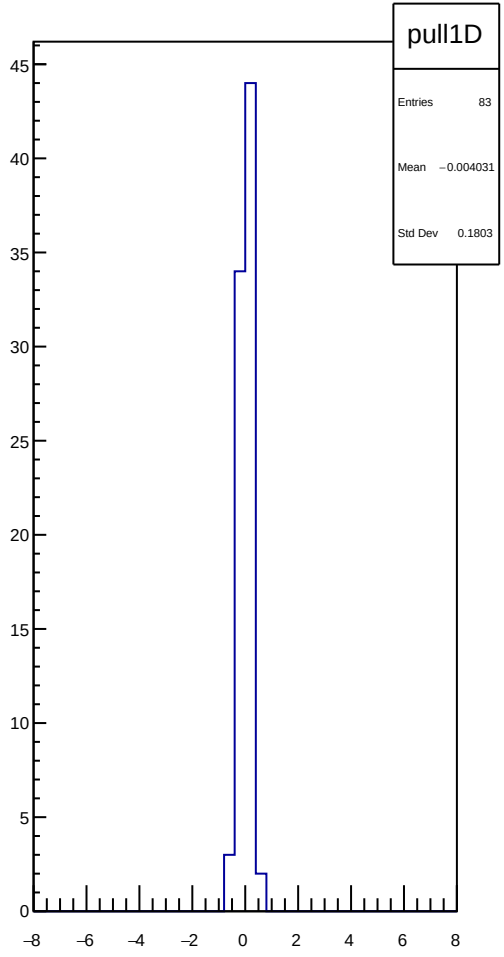

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 17.45 / 82
p0 2.206 ± 0.08687
pull
Entries 83
Mean −257.6
Std Dev 307.9

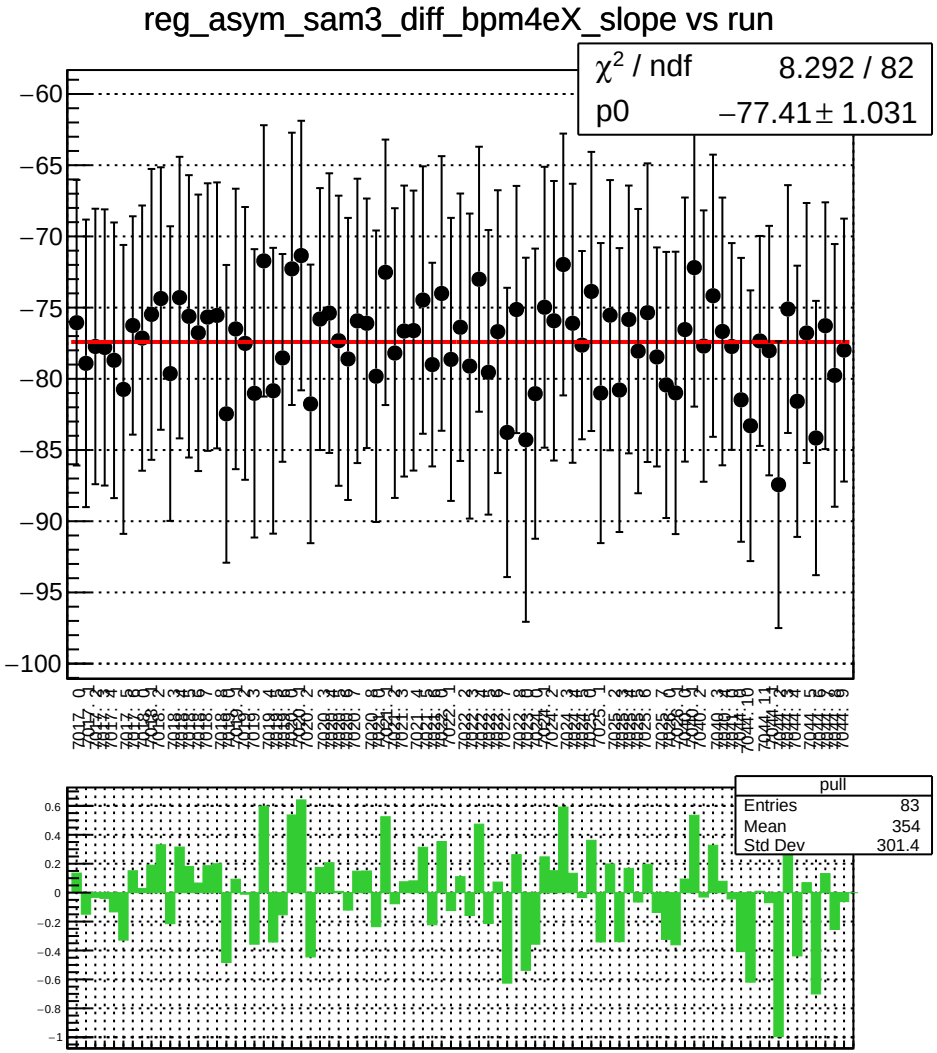

pull1D
Entries 83
Mean 0.02079
Std Dev 0.458

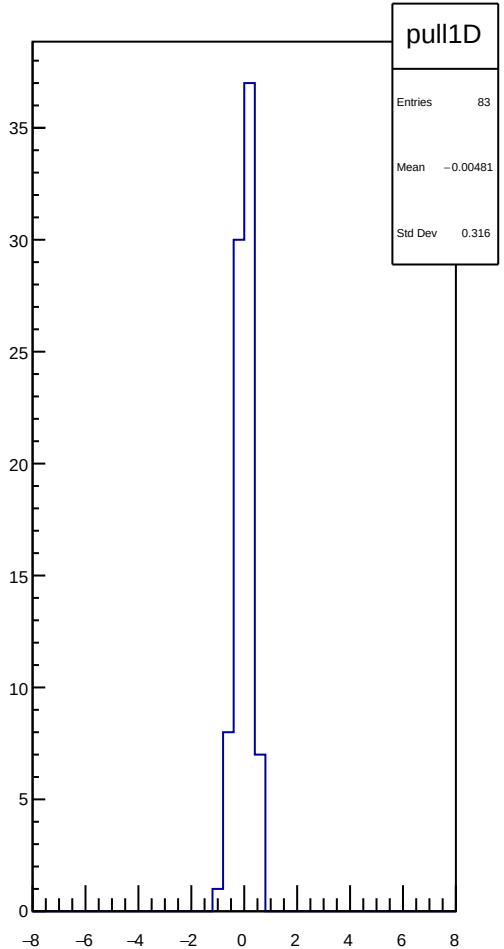

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 5.139 / 82
p0 −32.88 ± 1.108
pull
Entries 83
Mean −140.7
Std Dev 202.4

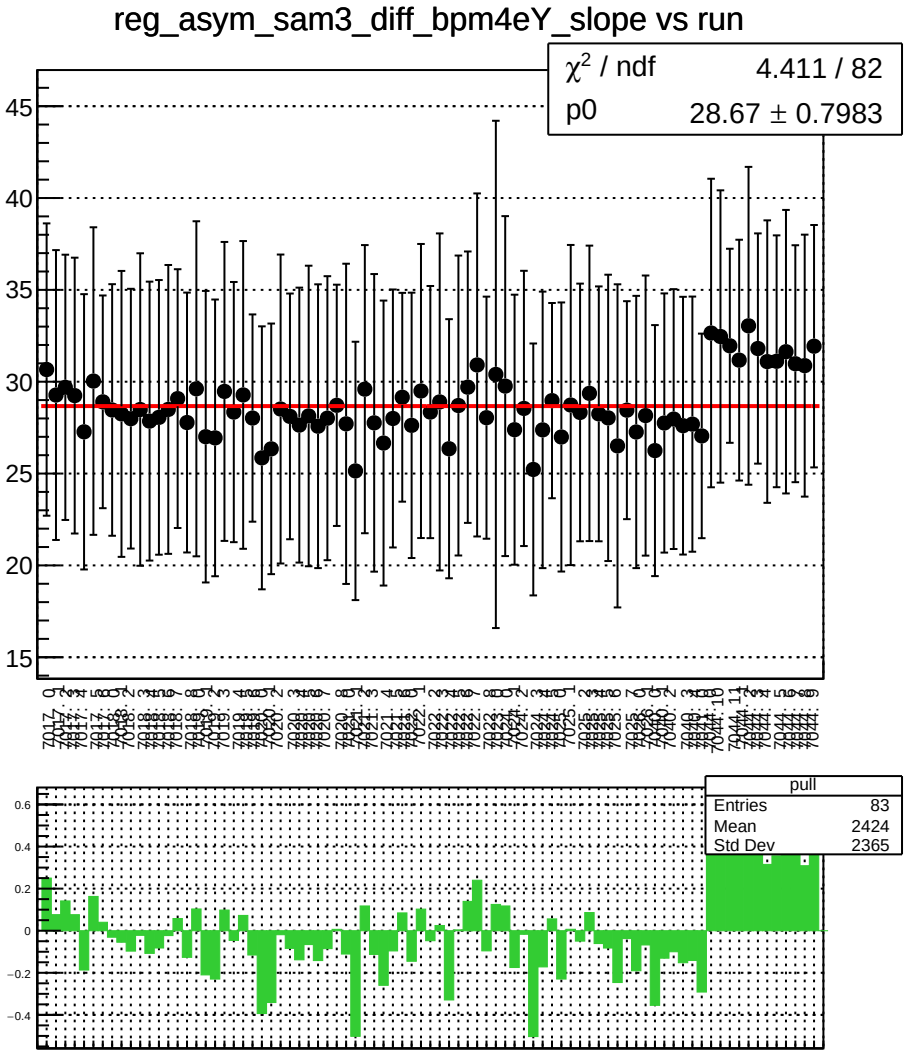

pull1D
Entries 83
Mean −0.006328
Std Dev 0.2487

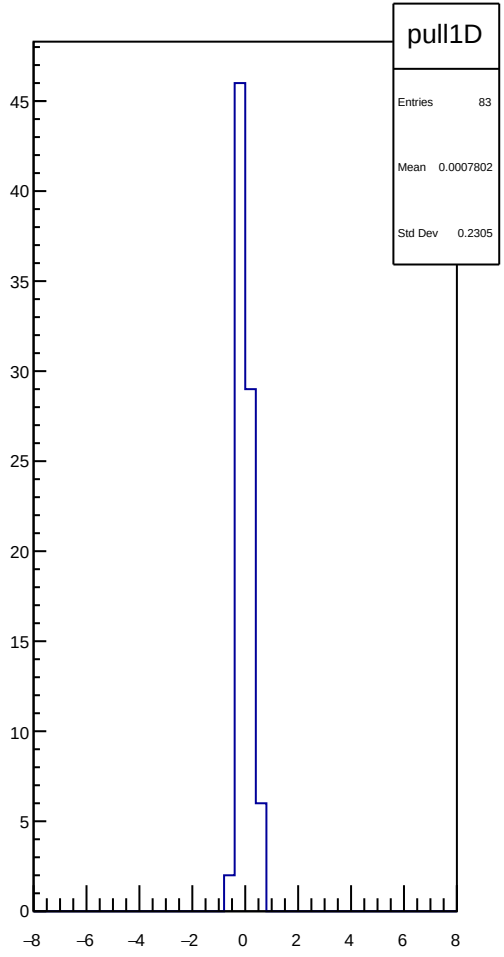

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 2.698 / 82
p0 −6.431 ± 0.7343
pull
Entries 83
Mean 369.4
Std Dev 310.1

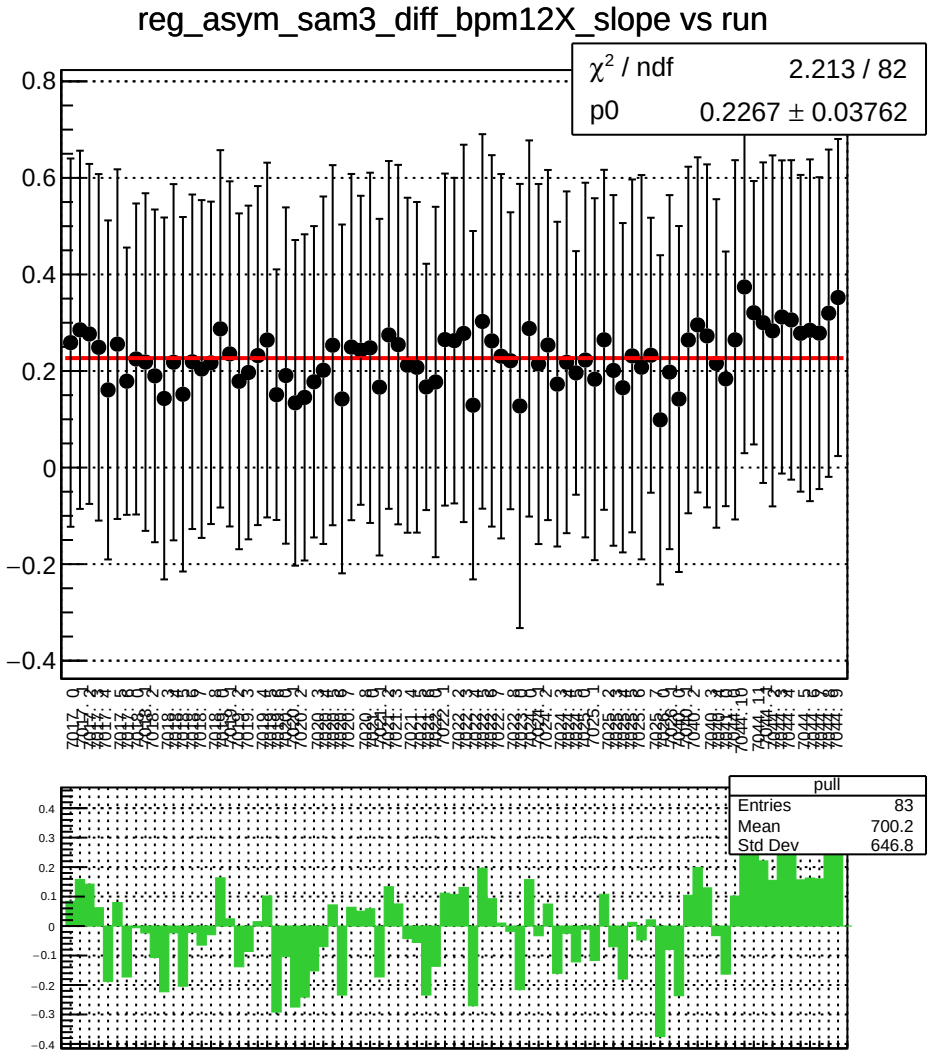

pull1D
Entries 83
Mean −0.004031
Std Dev 0.1803

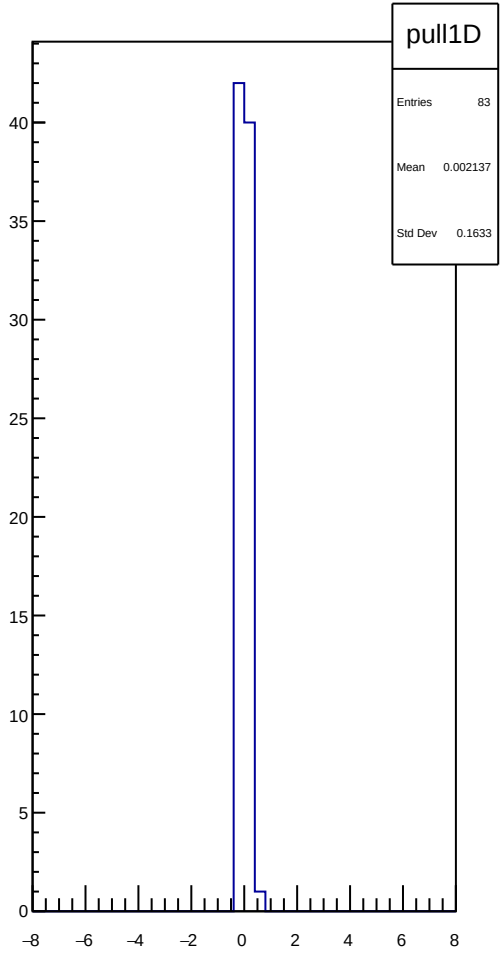

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 8.292 / 82
p0 −77.41 ± 1.031
pull
Entries 83
Mean 354
Std Dev 301.4

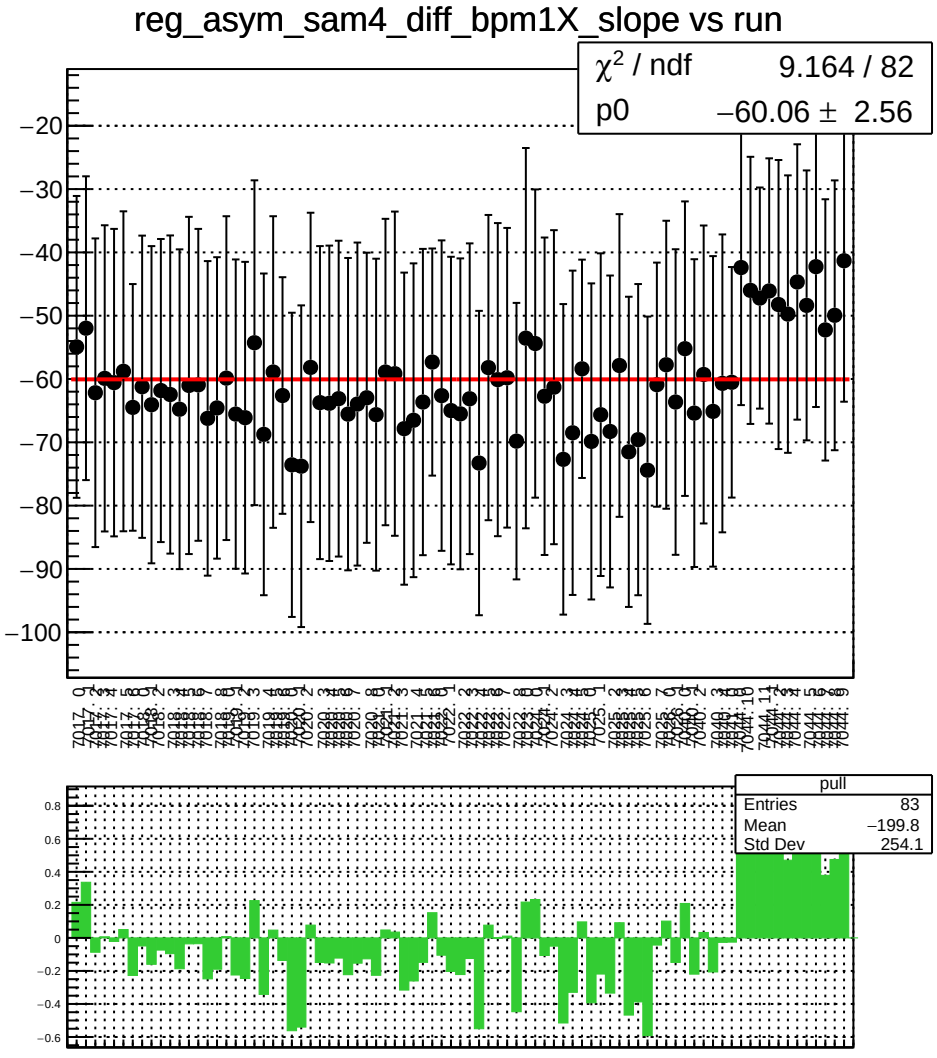

pull1D
Entries 83
Mean −0.00481
Std Dev 0.316

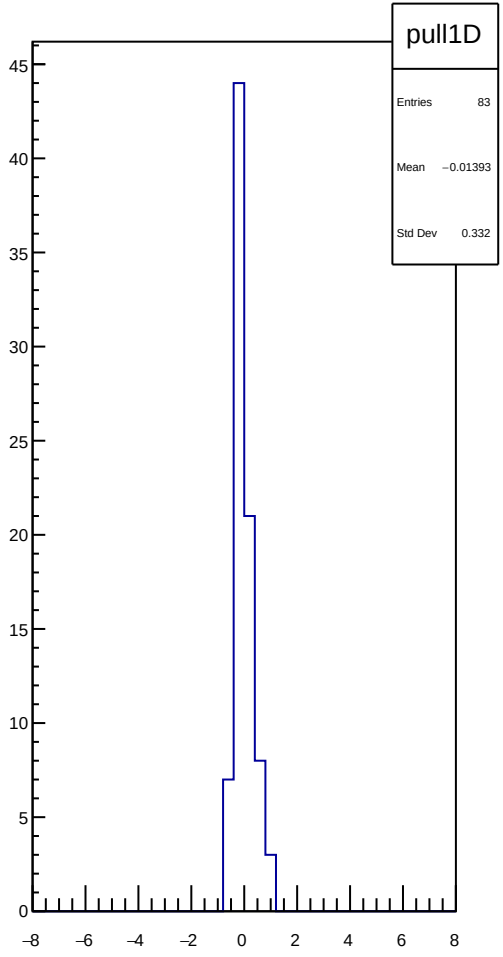

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.411 / 82
p0 28.67 ± 0.7983
pull
Entries 83
Mean 2424
Std Dev 2365

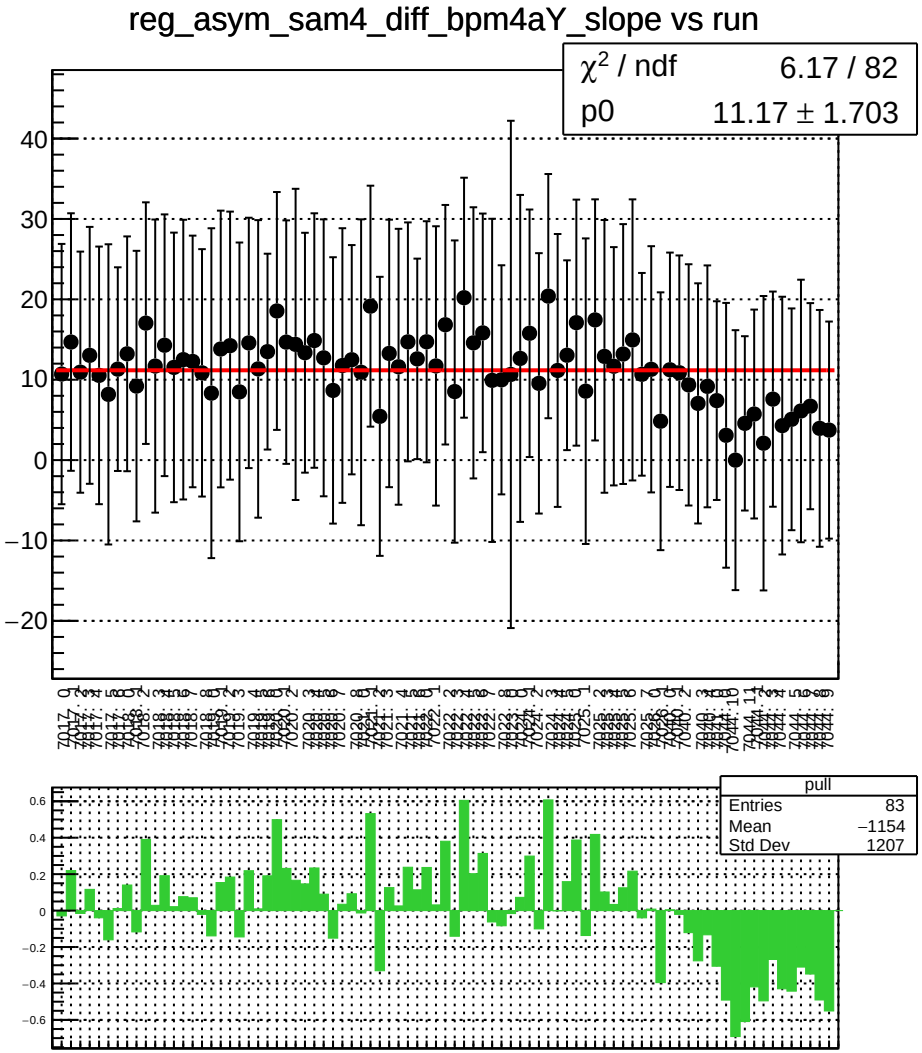

pull1D
Entries 83
Mean 0.0007802
Std Dev 0.2305

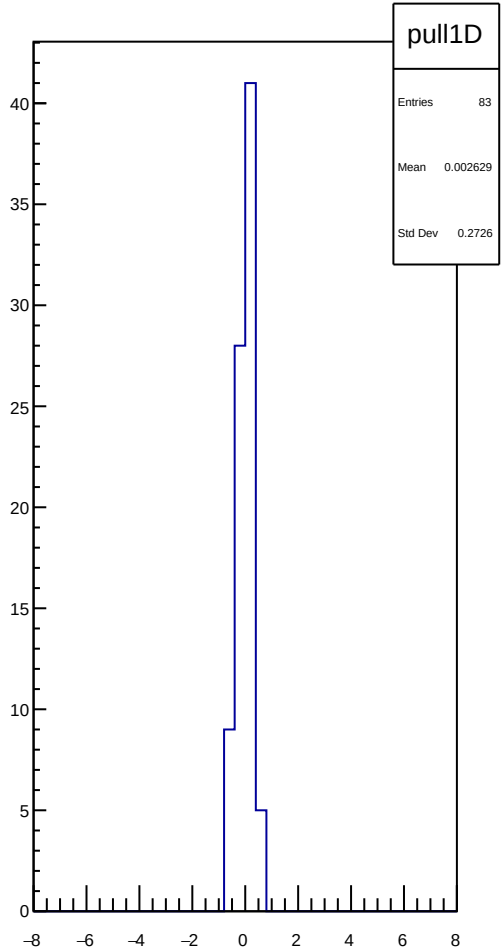

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.213 / 82
p0 0.2267 ± 0.03762
pull
Entries 83
Mean 700.2
Std Dev 646.8

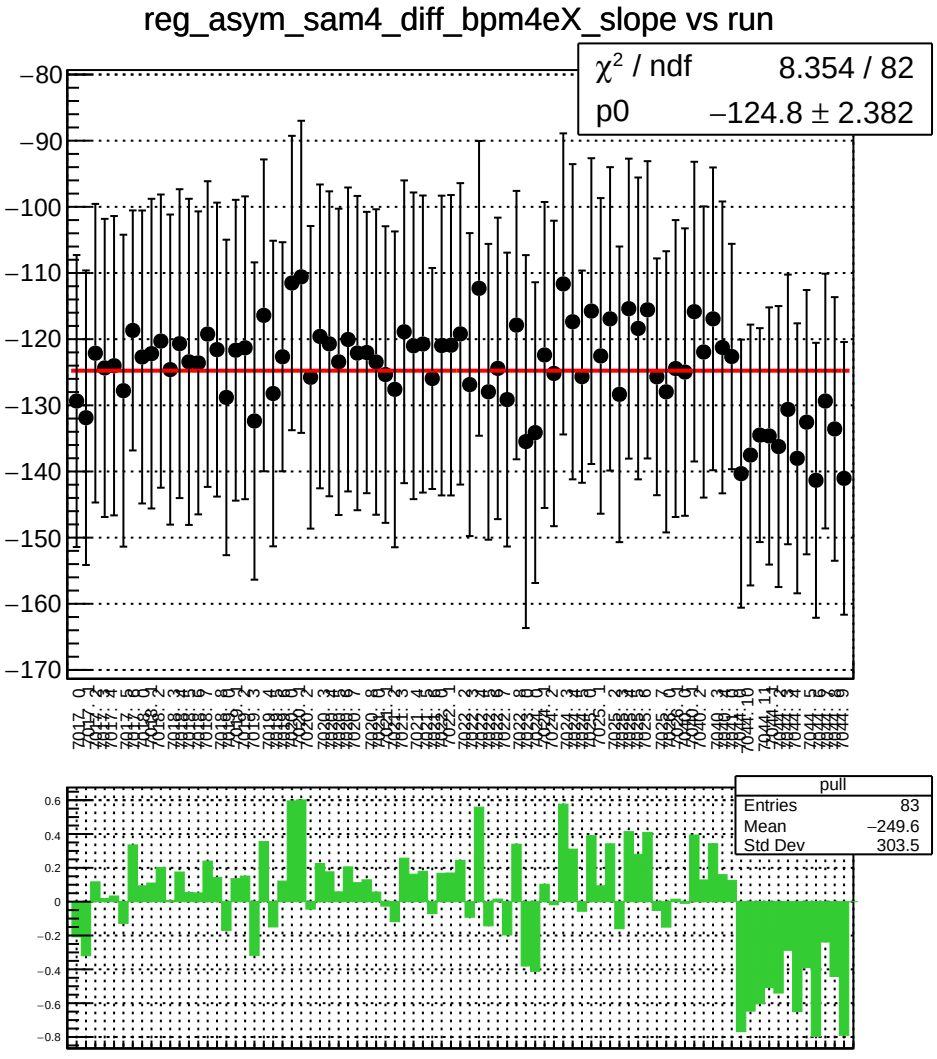

pull1D
Entries 83
Mean 0.002137
Std Dev 0.1633

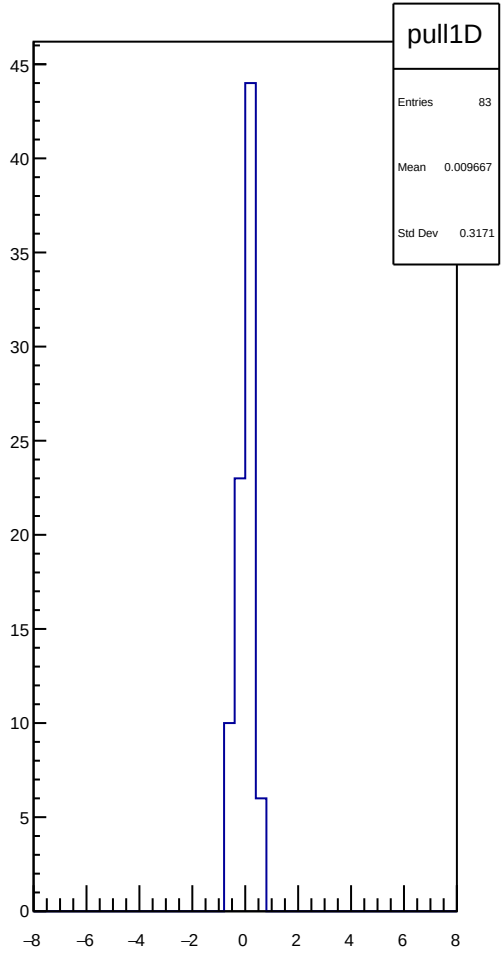

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 9.164 / 82
p0 −60.06 ± 2.56
pull
Entries 83
Mean −199.8
Std Dev 254.1

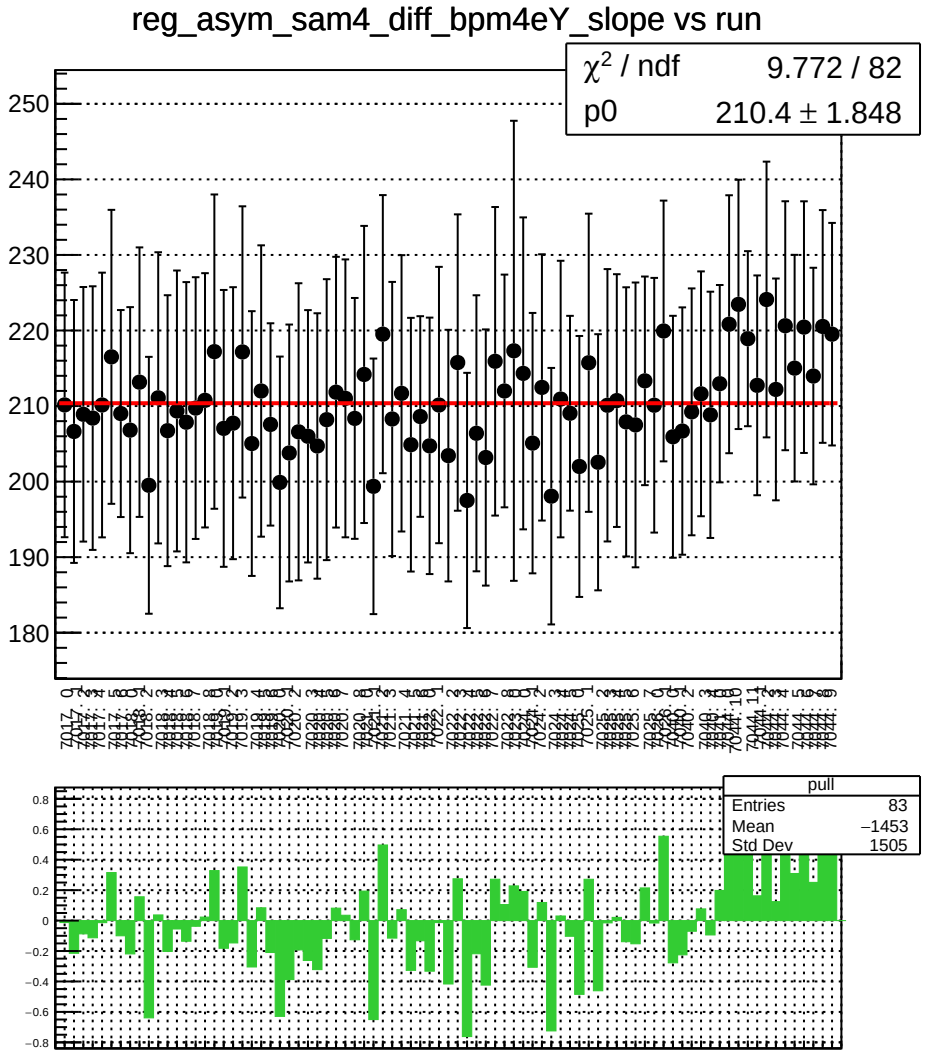

pull1D
Entries 83
Mean −0.01393
Std Dev 0.332

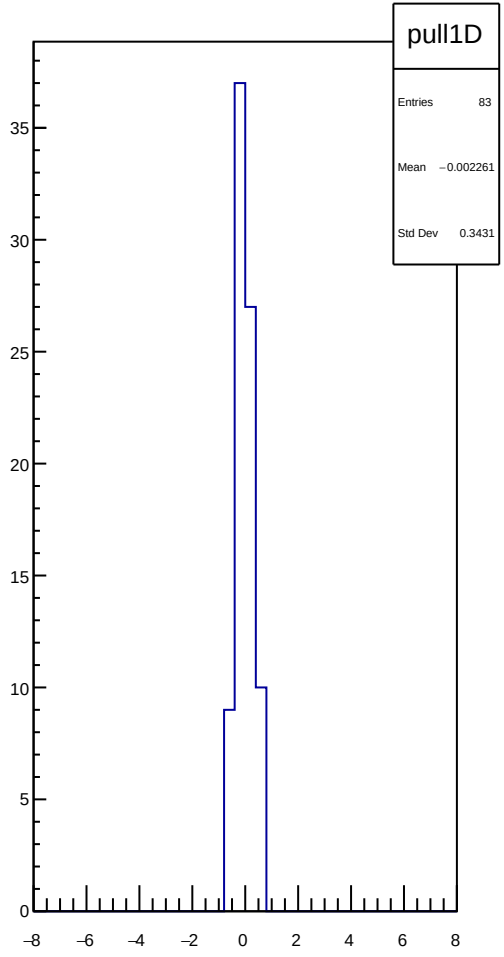

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 6.17 / 82
p0 11.17 ± 1.703
pull
Entries 83
Mean −1154
Std Dev 1207

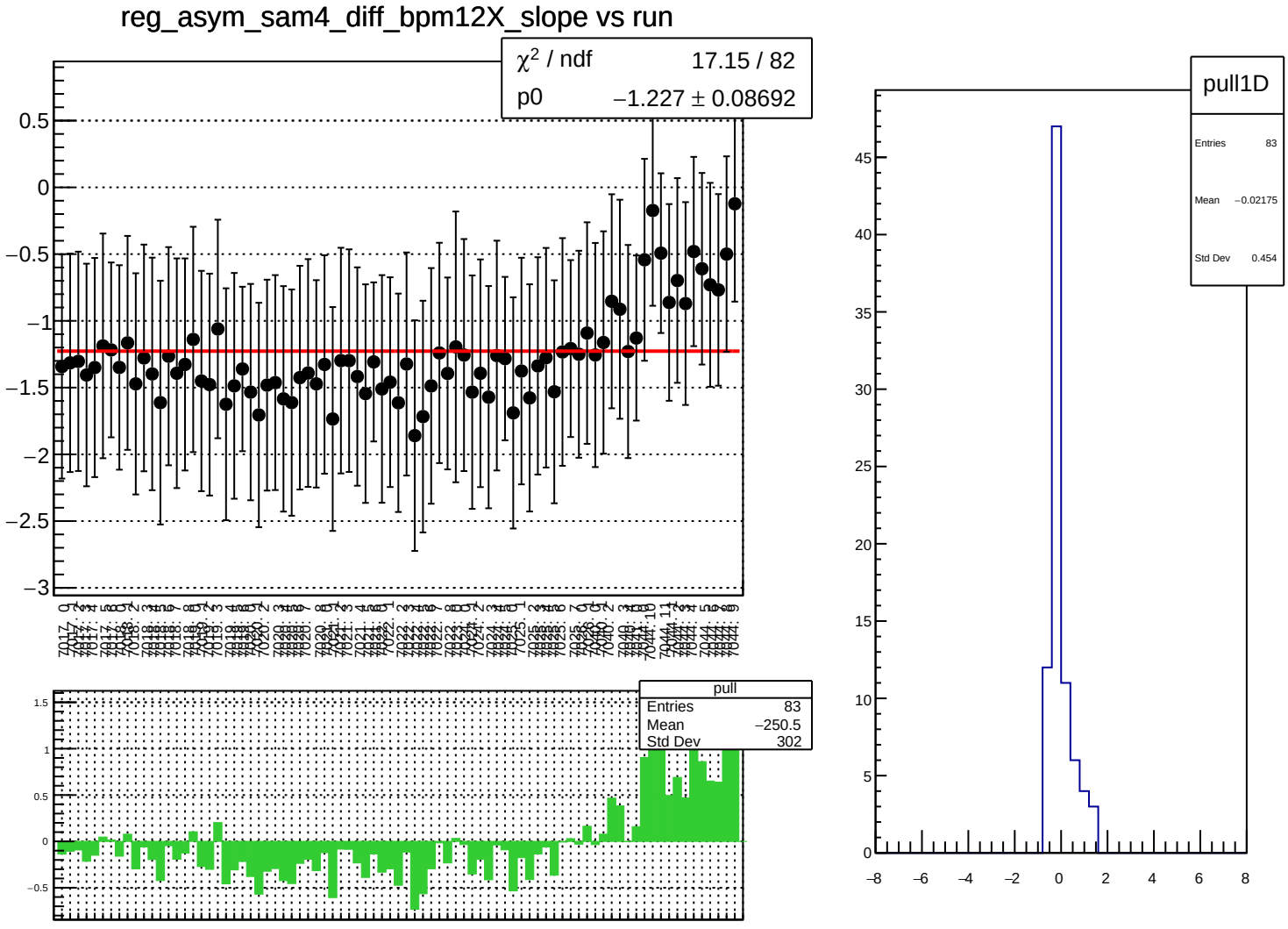

pull1D
Entries 83
Mean 0.002629
Std Dev 0.2726

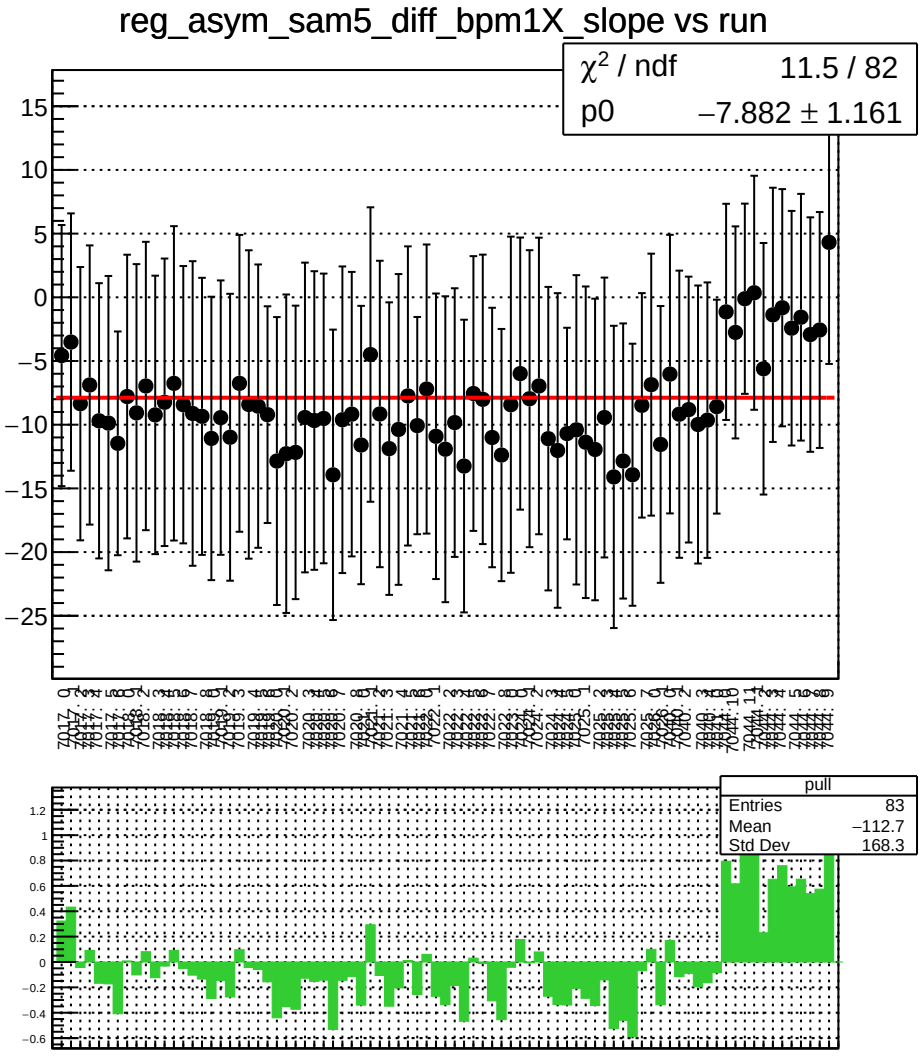

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 8.354 / 82
p0 −124.8 ± 2.382
pull
Entries 83
Mean −249.6
Std Dev 303.5

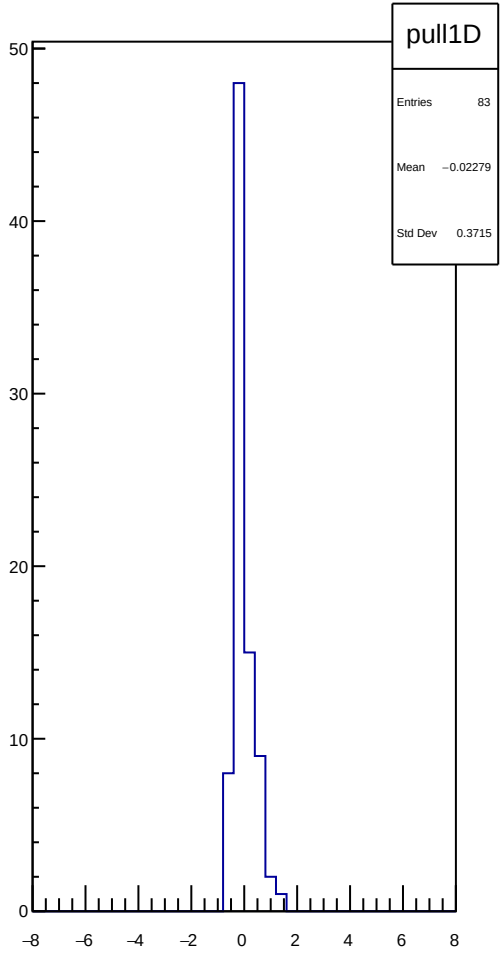

pull1D
Entries 83
Mean 0.009667
Std Dev 0.3171

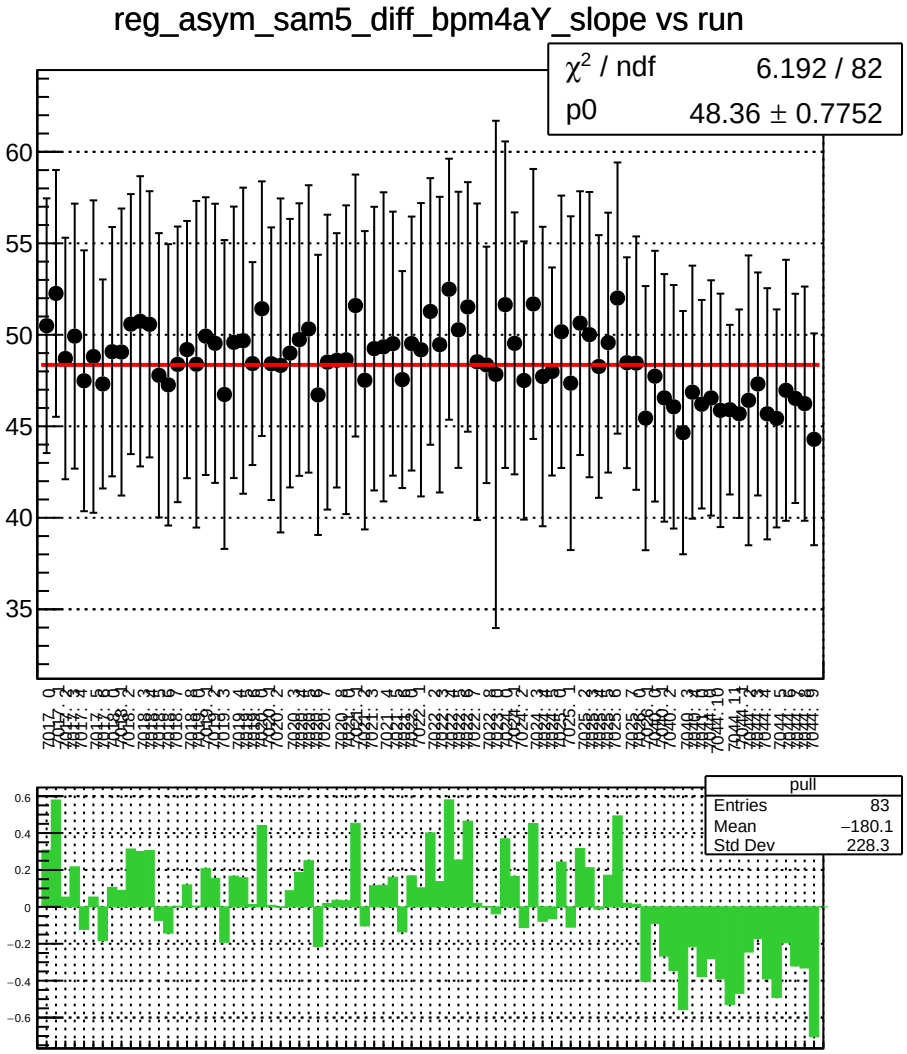

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 9.772 / 82
p0 210.4 ± 1.848
pull
Entries 83
Mean −1453
Std Dev 1505

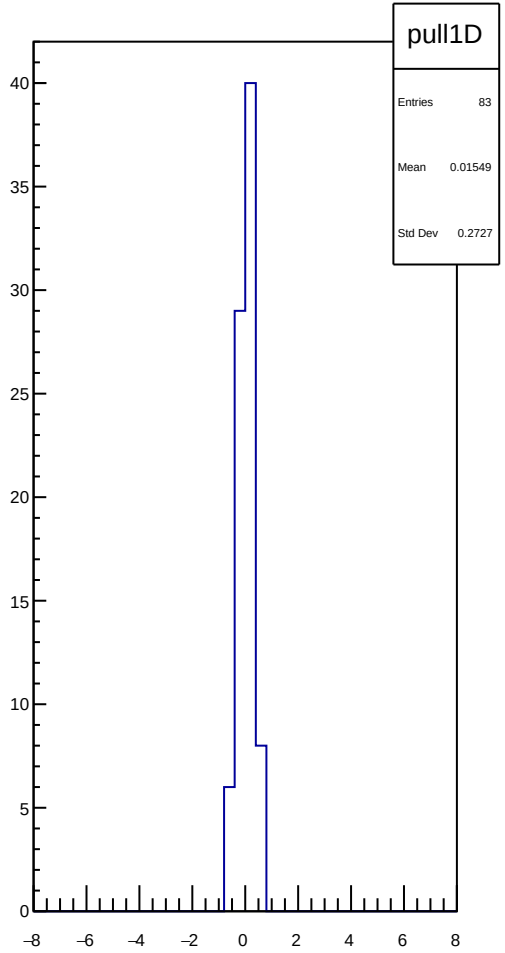

pull1D
Entries 83
Mean −0.002261
Std Dev 0.3431

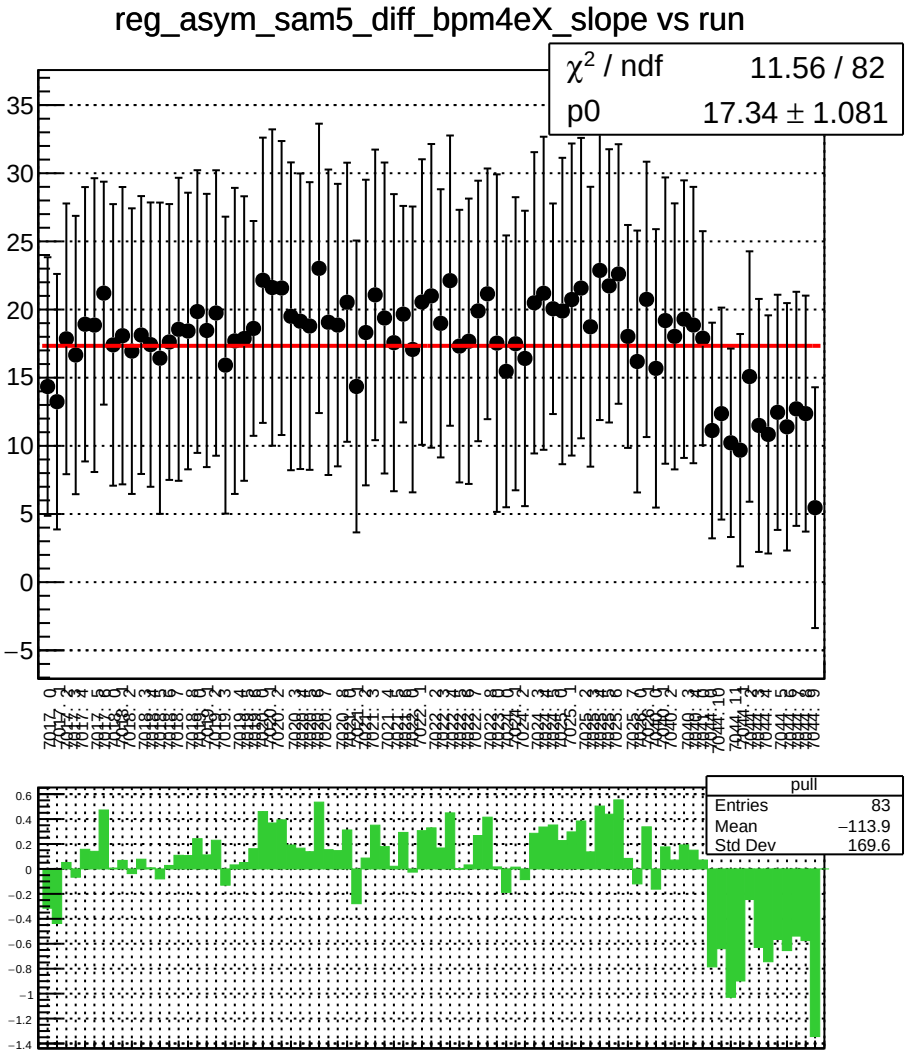

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 17.15 / 82
p0 −1.227 ± 0.08692
pull
Entries 83
Mean −250.5
Std Dev 302
pull1D
Entries 83
Mean −0.02175
Std Dev 0.454

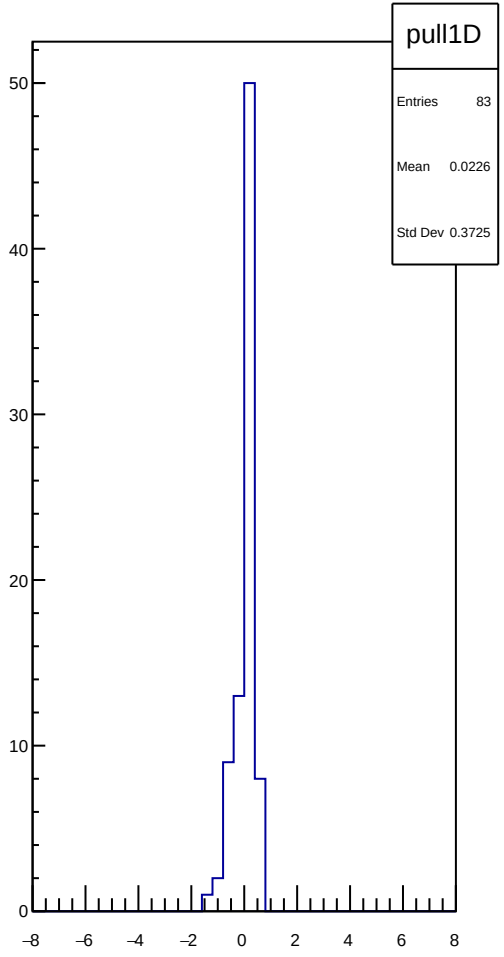

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 11.5 / 82
p0 −7.882 ± 1.161
pull
Entries 83
Mean −112.7
Std Dev 168.3

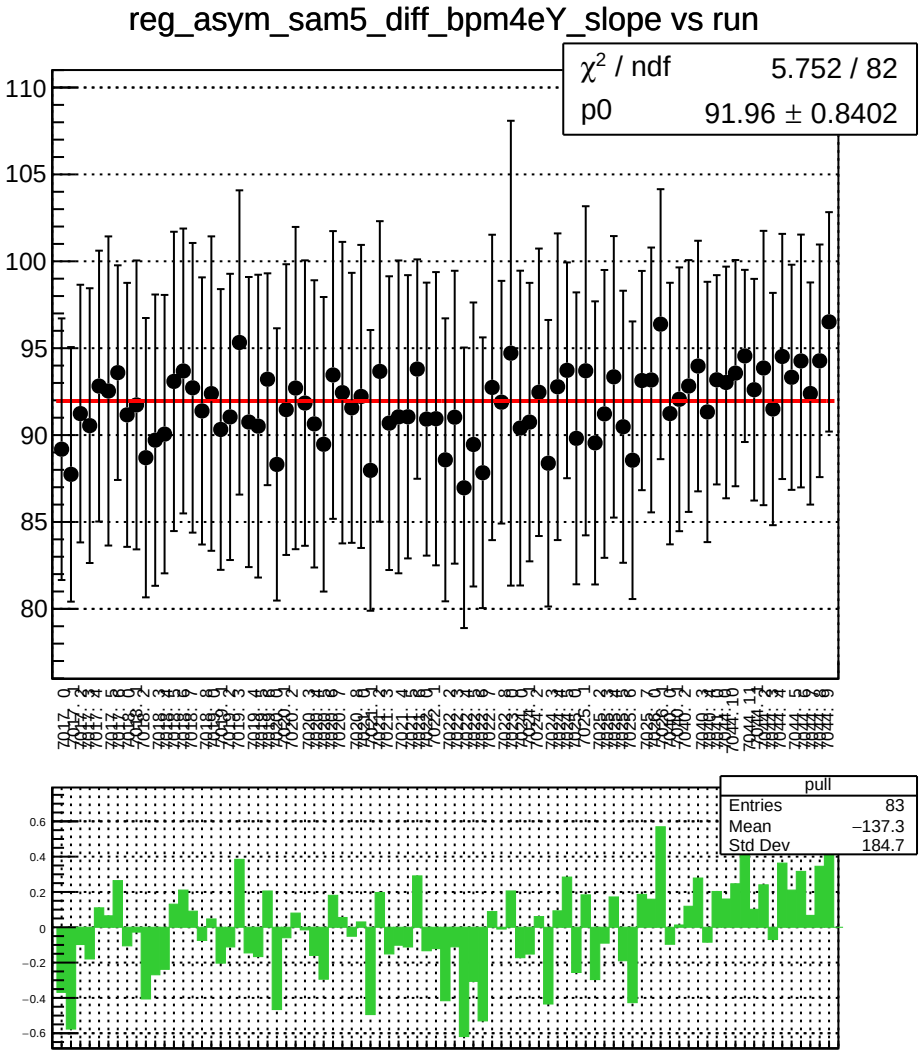

pull1D
Entries 83
Mean −0.02279
Std Dev 0.3715

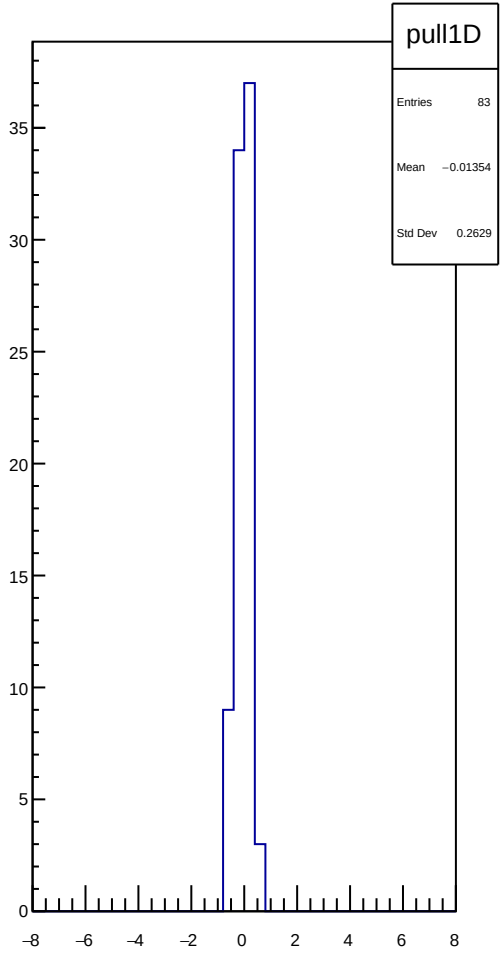

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 6.192 / 82
p0 48.36 ± 0.7752
pull
Entries 83
Mean −180.1
Std Dev 228.3

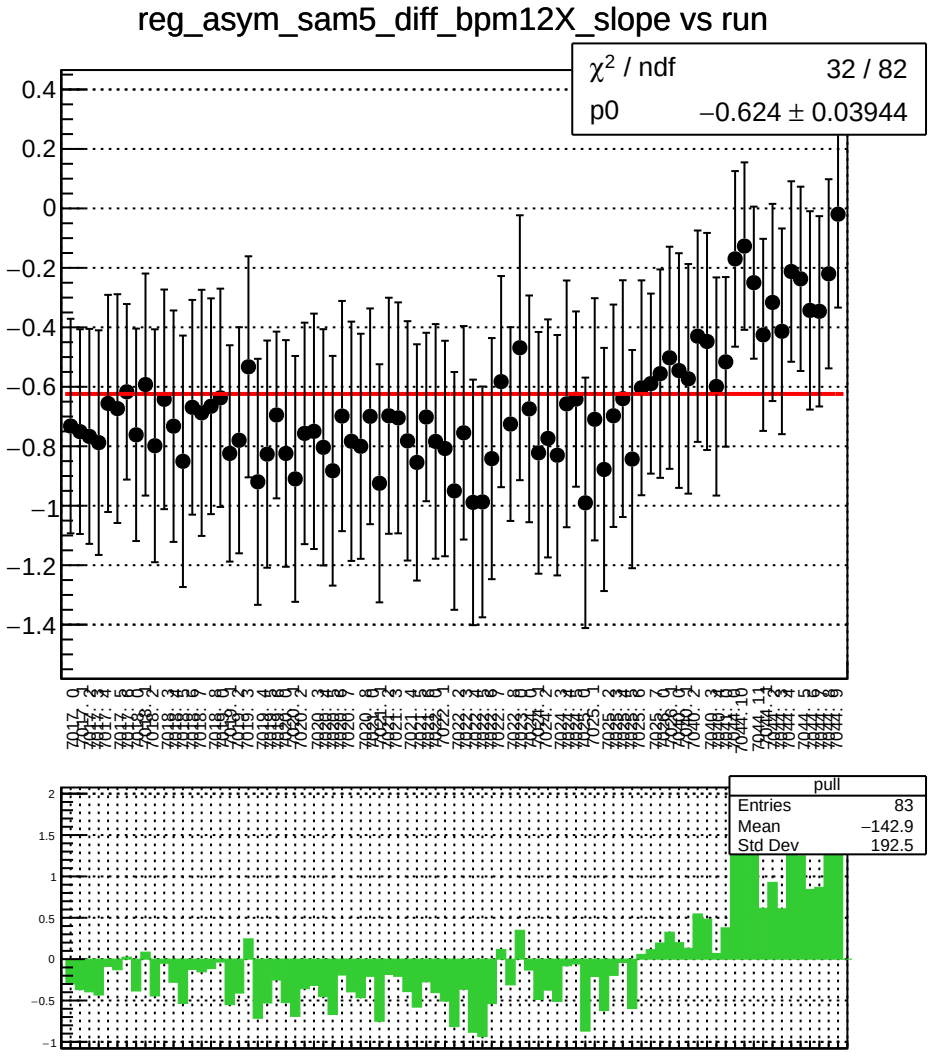

pull1D
Entries 83
Mean 0.01549
Std Dev 0.2727

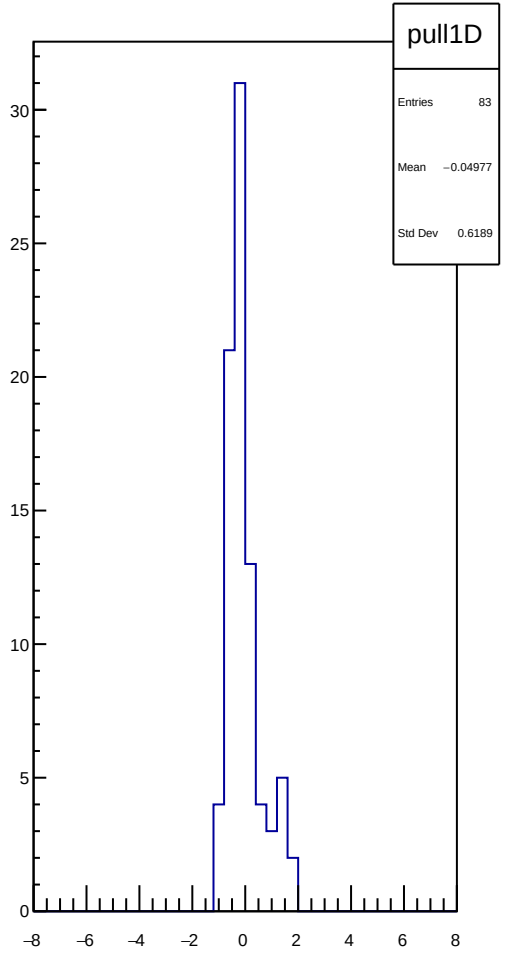

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 11.56 / 82
p0 17.34 ± 1.081
pull
Entries 83
Mean −113.9
Std Dev 169.6

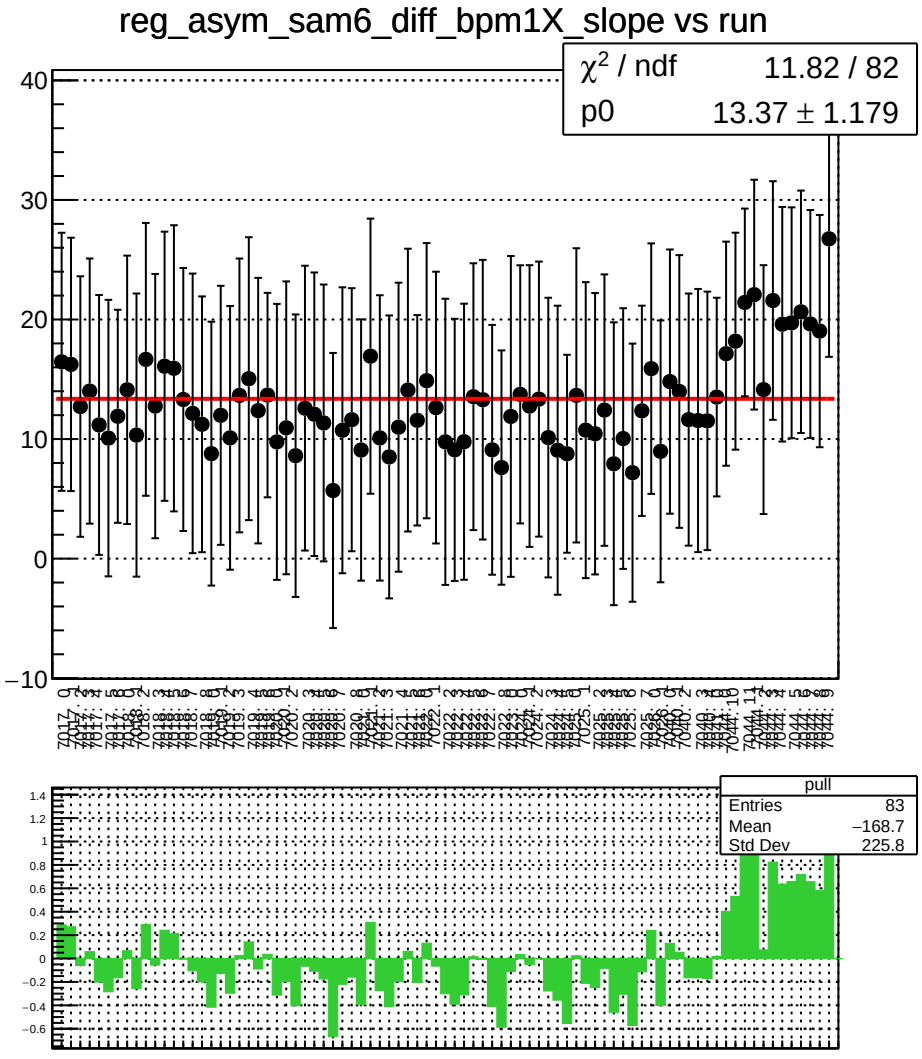

pull1D
Entries 83
Mean 0.0226
Std Dev 0.3725

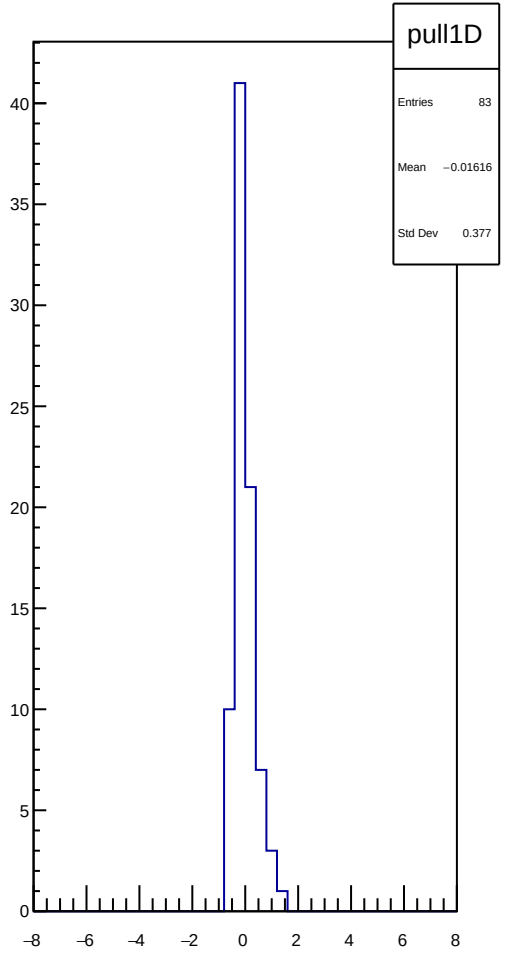

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 5.752 / 82
p0 91.96 ± 0.8402
pull
Entries 83
Mean −137.3
Std Dev 184.7

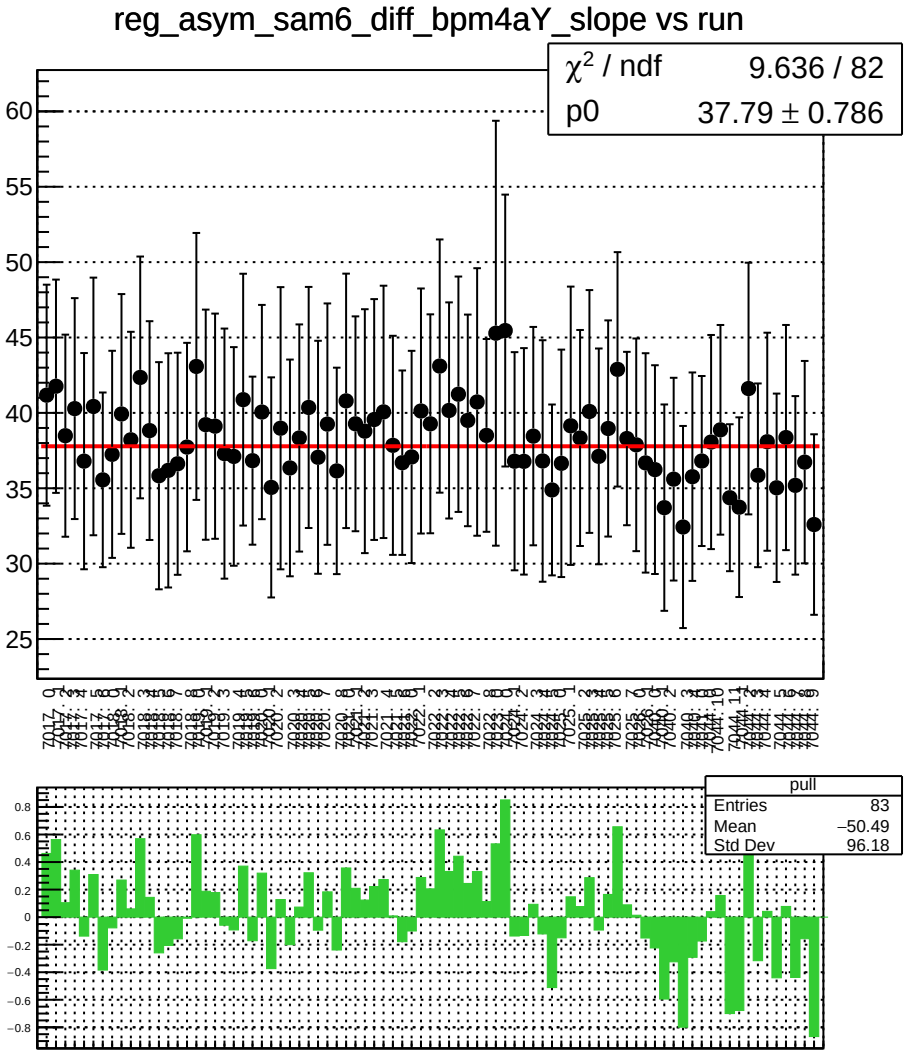

pull1D
Entries 83
Mean −0.01354
Std Dev 0.2629

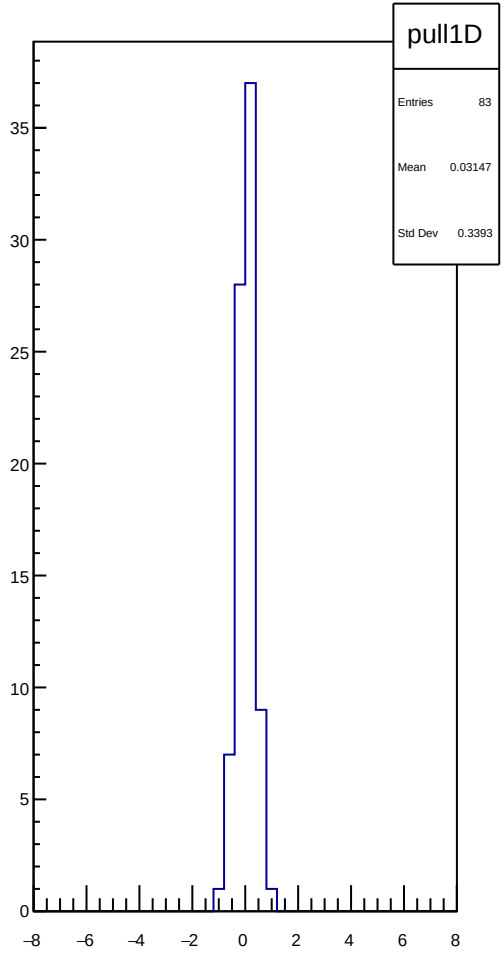

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 32 / 82
p0 −0.624 ± 0.03944
pull
Entries 83
Mean −142.9
Std Dev 192.5

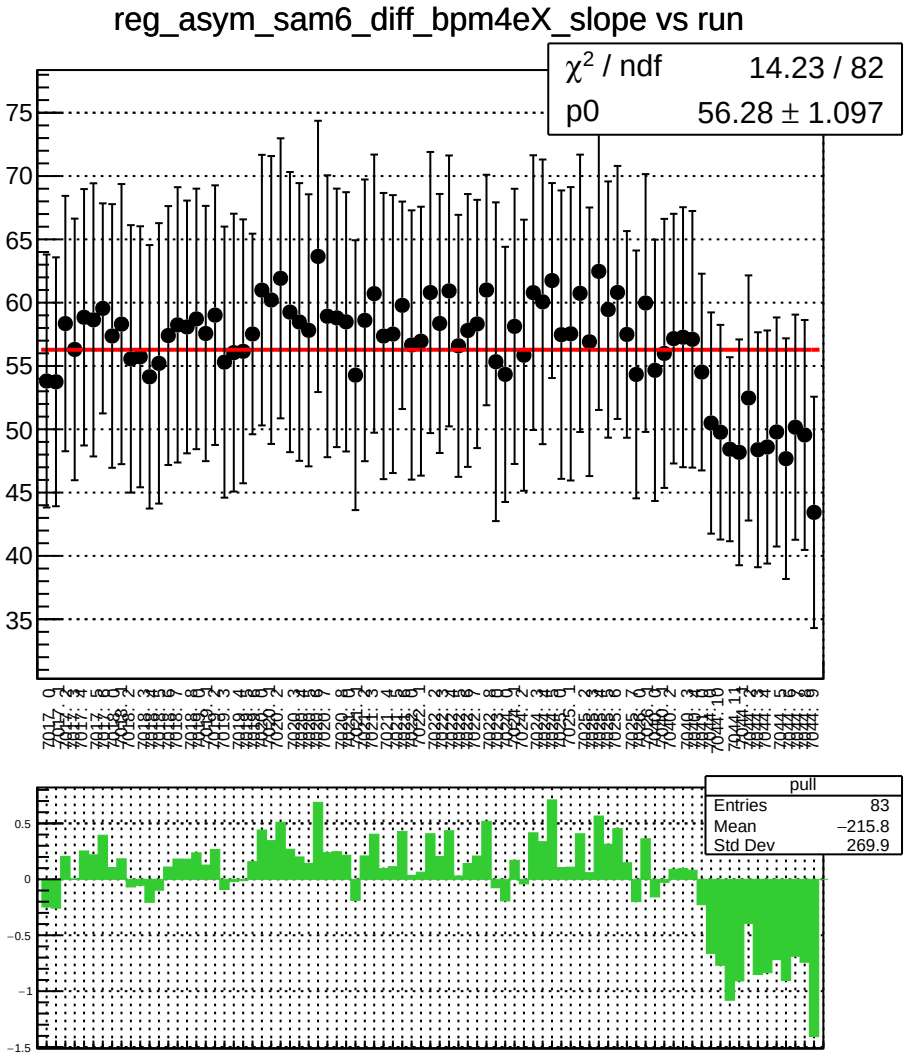

pull1D
Entries 83
Mean −0.04977
Std Dev 0.6189

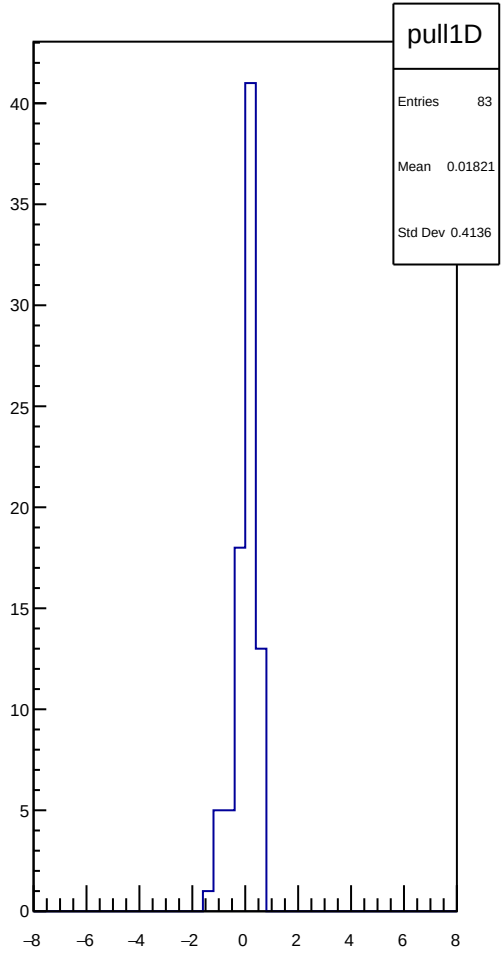

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 11.82 / 82
p0 13.37 ± 1.179
pull
Entries 83
Mean −168.7
Std Dev 225.8

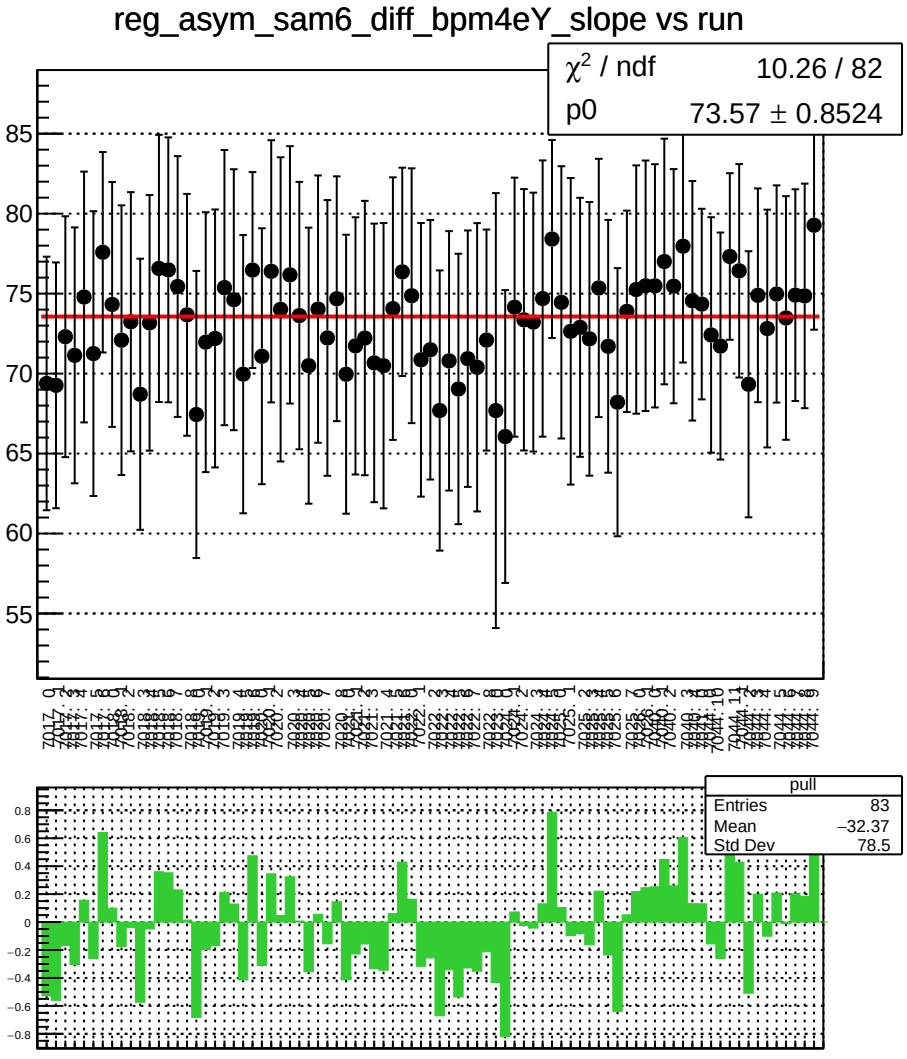

pull1D
Entries 83
Mean −0.01616
Std Dev 0.377

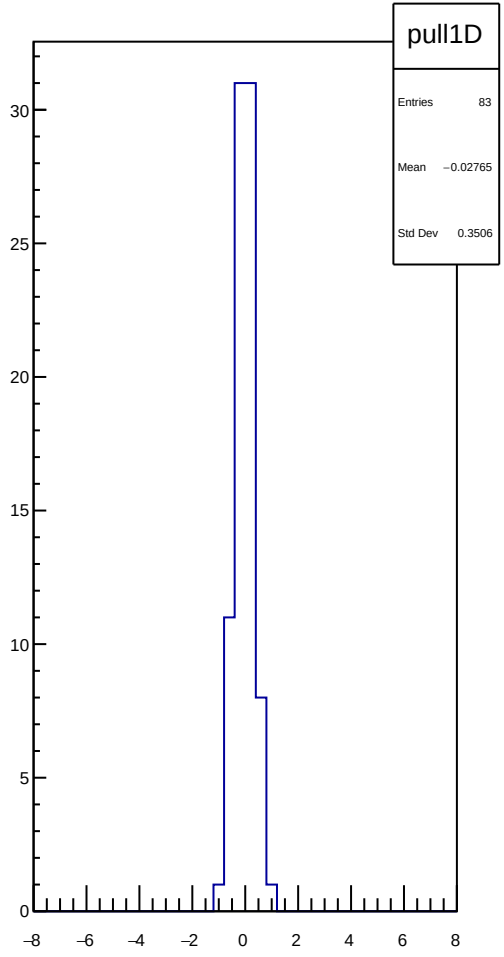

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 9.636 / 82
p0 37.79 ± 0.786
pull
Entries 83
Mean −50.49
Std Dev 96.18

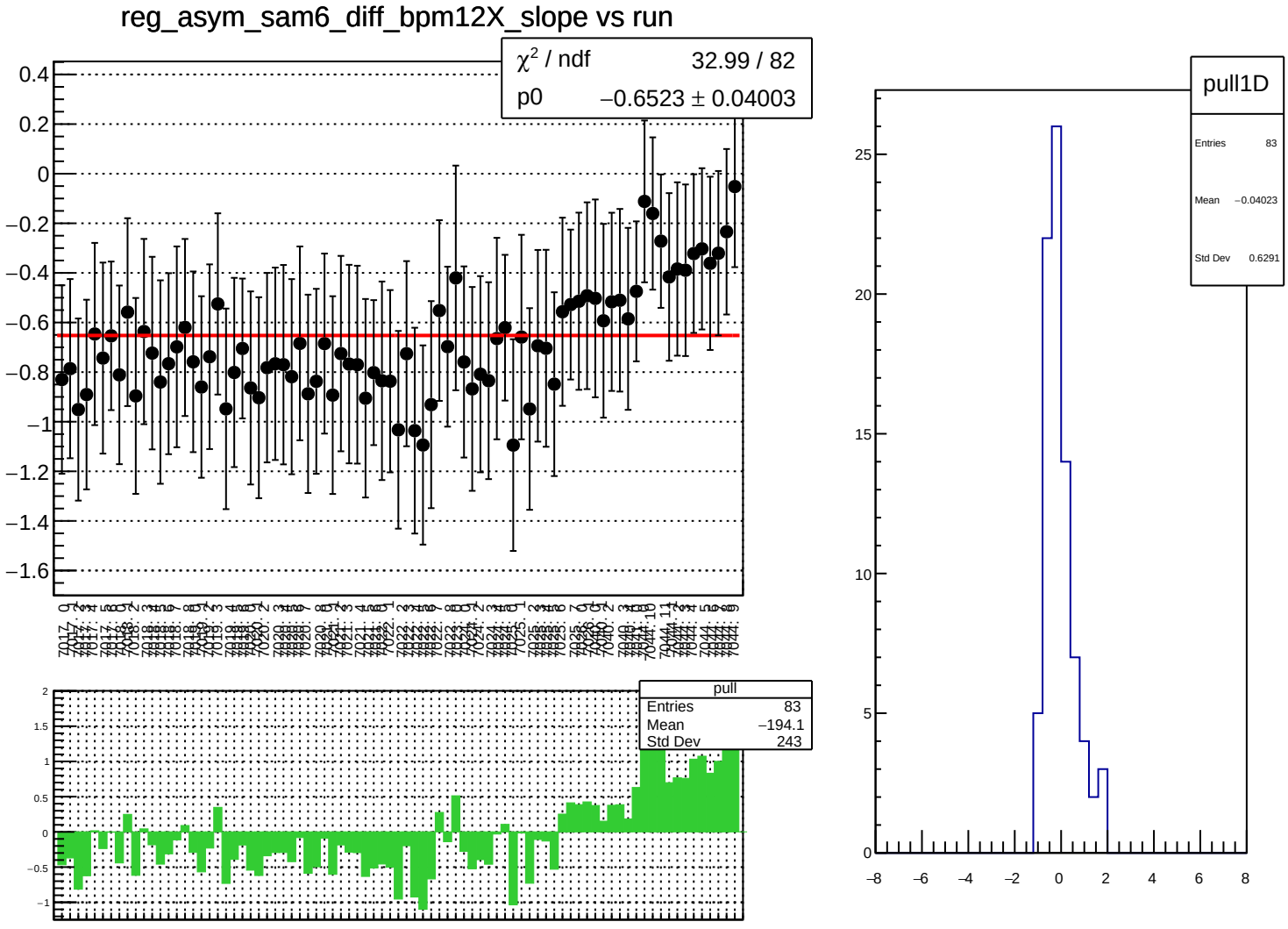

pull1D
Entries 83
Mean 0.03147
Std Dev 0.3393

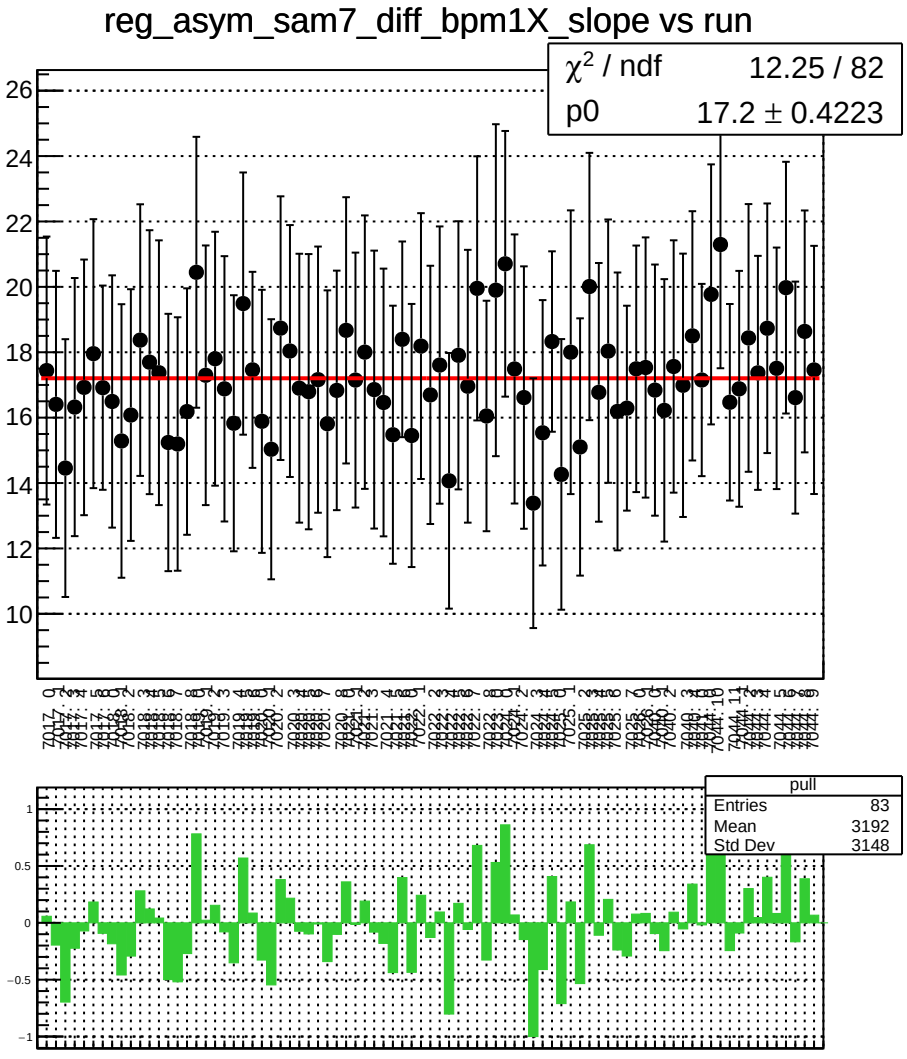

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 14.23 / 82
p0 56.28 ± 1.097
pull
Entries 83
Mean −215.8
Std Dev 269.9

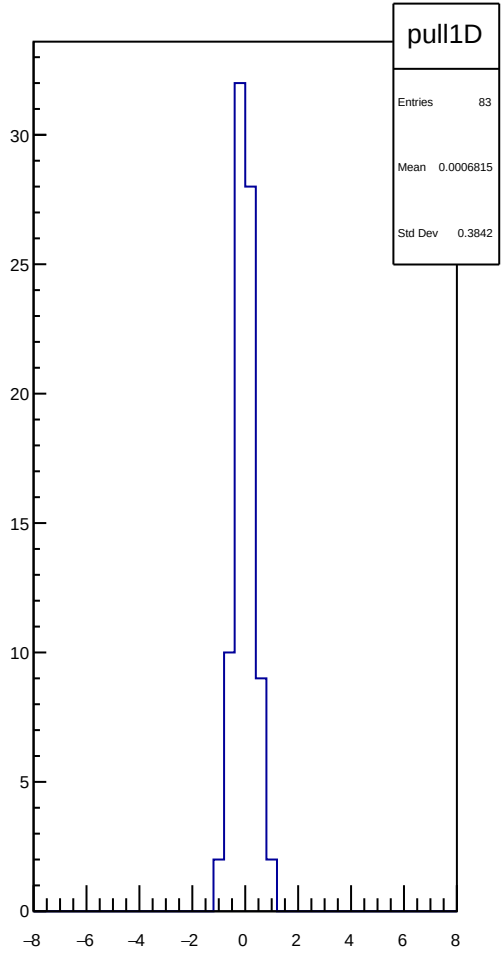

pull1D
Entries 83
Mean 0.01821
Std Dev 0.4136

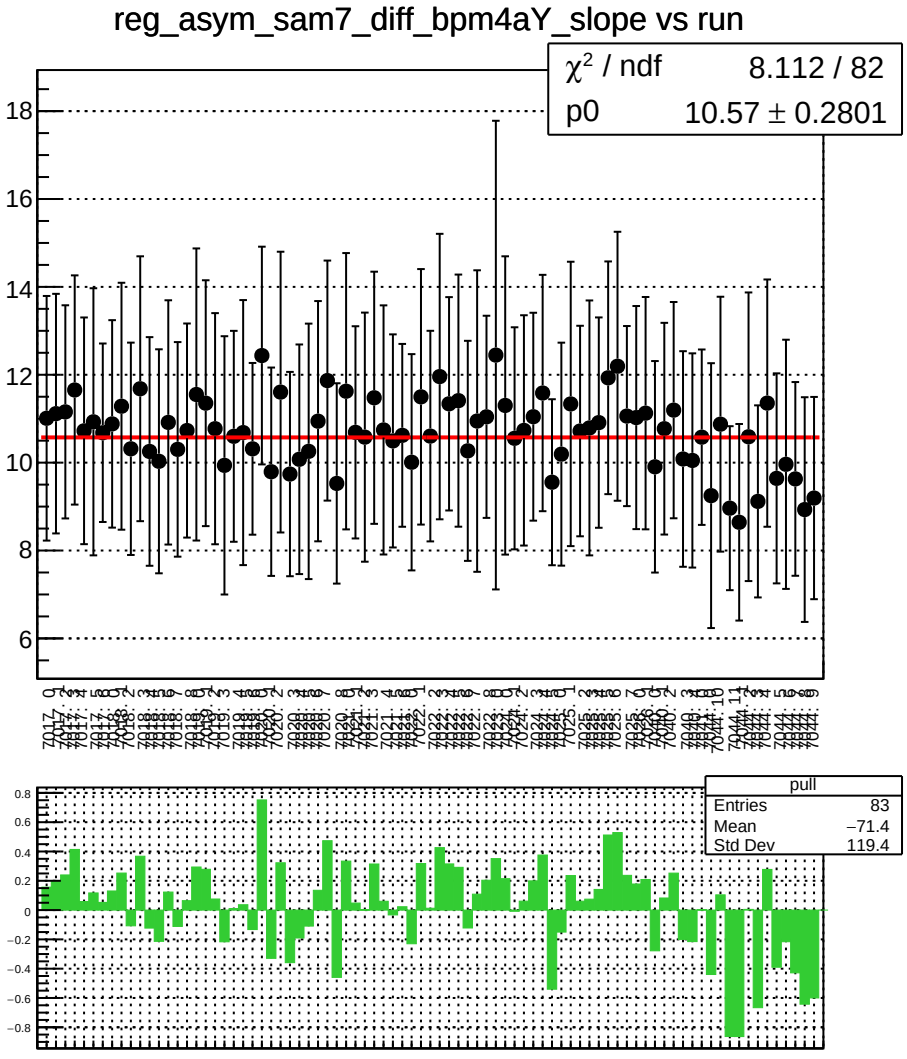

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 10.26 / 82
p0 73.57 ± 0.8524
pull
Entries 83
Mean −32.37
Std Dev 78.5

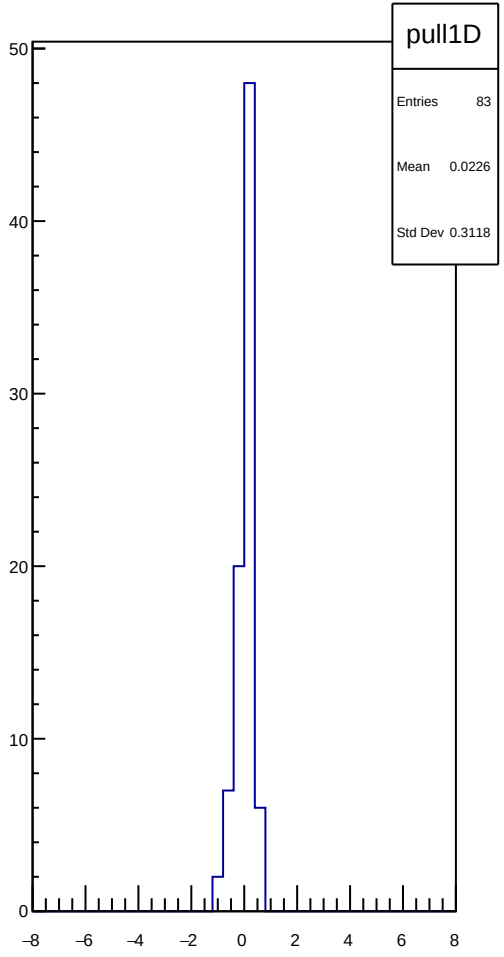

pull1D
Entries 83
Mean −0.02765
Std Dev 0.3506

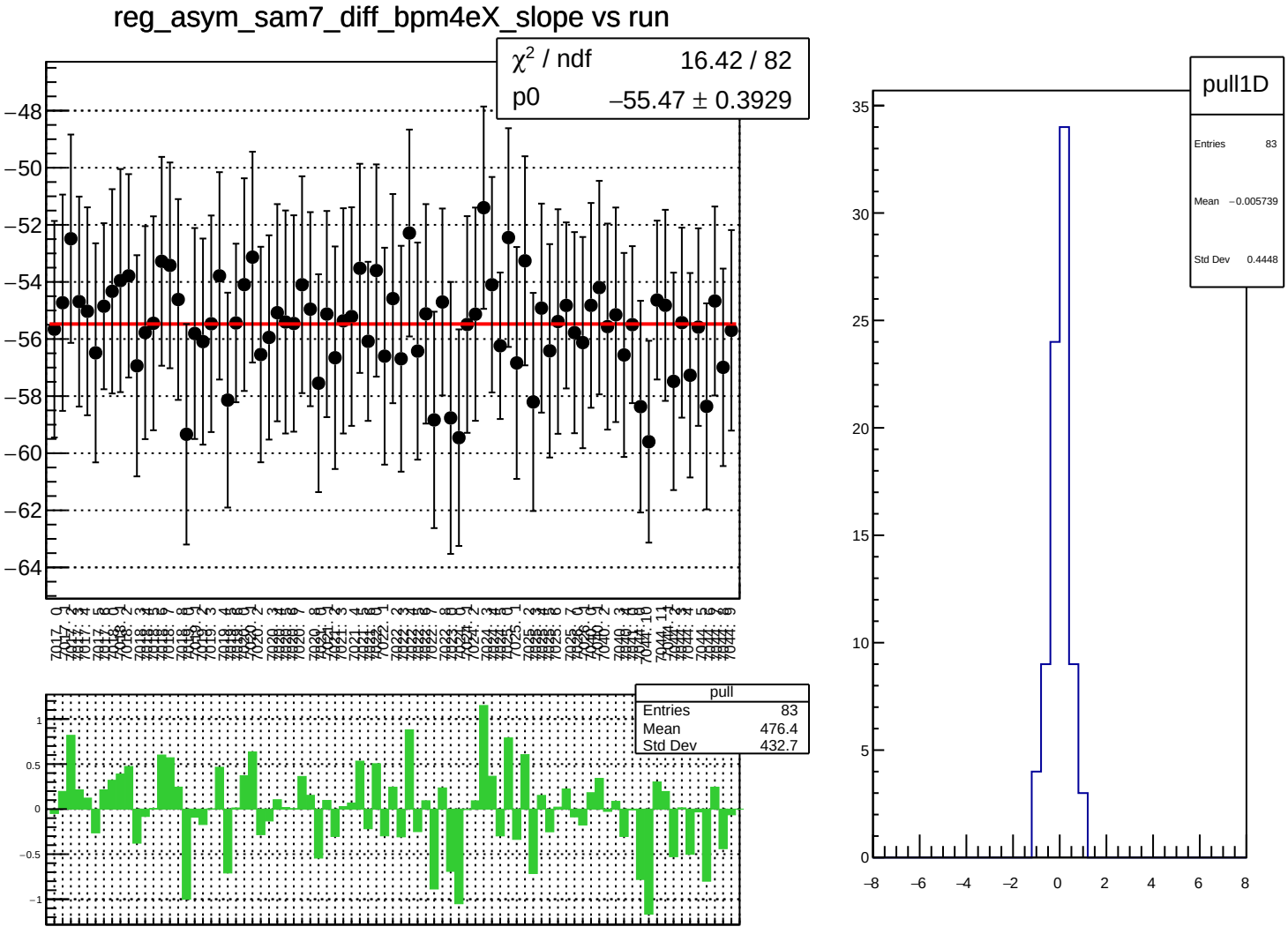

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 32.99 / 82
p0 −0.6523 ± 0.04003
pull
Entries 83
Mean −194.1
Std Dev 243
pull1D
Entries 83
Mean −0.04023
Std Dev 0.6291

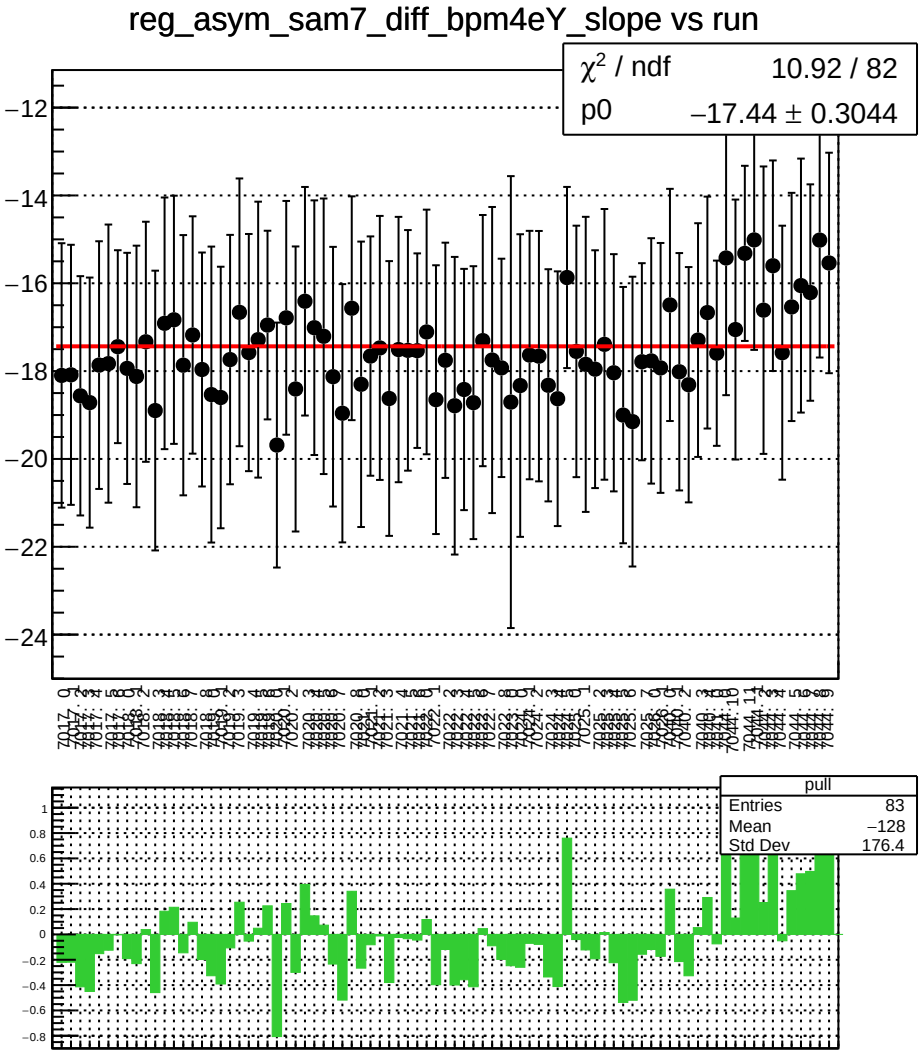

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 12.25 / 82
p0 17.2 ± 0.4223
pull
Entries 83
Mean 3192
Std Dev 3148

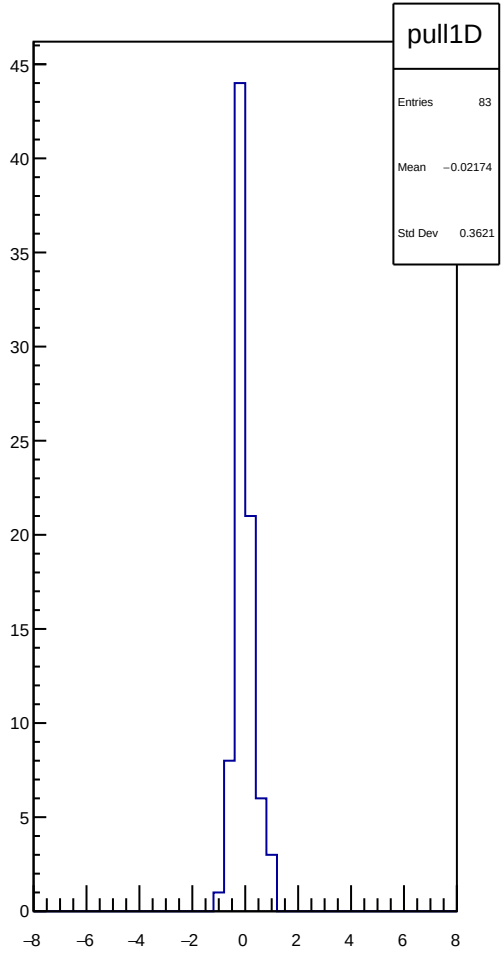

pull1D
Entries 83
Mean 0.0006815
Std Dev 0.3842

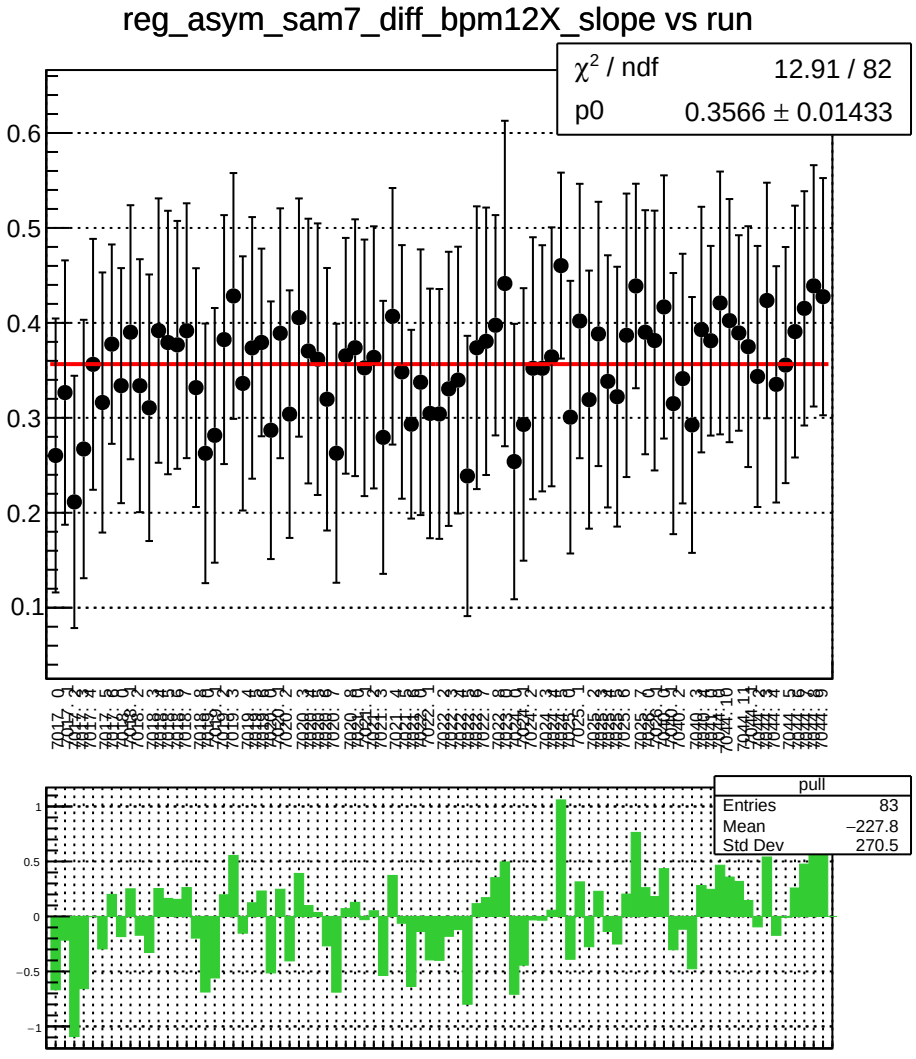

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 8.112 / 82
p0 10.57 ± 0.2801
pull
Entries 83
Mean −71.4
Std Dev 119.4

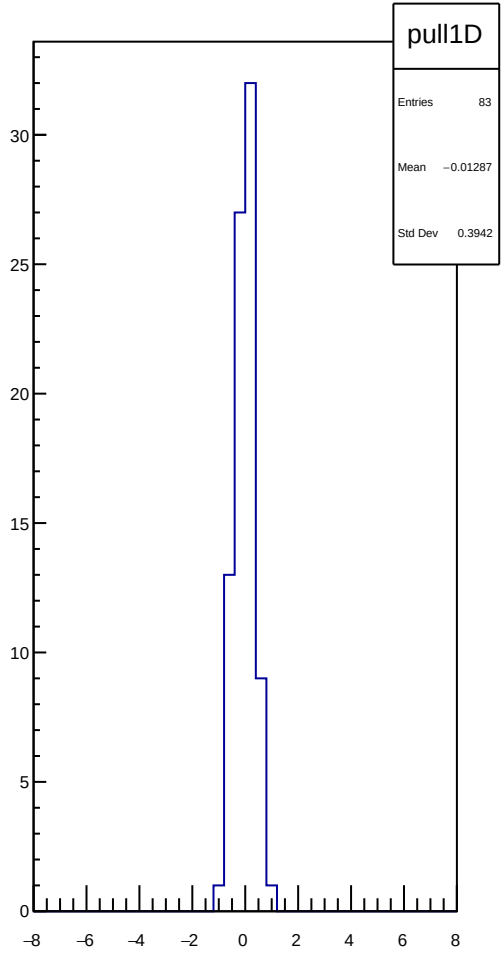

pull1D
Entries 83
Mean 0.0226
Std Dev 0.3118

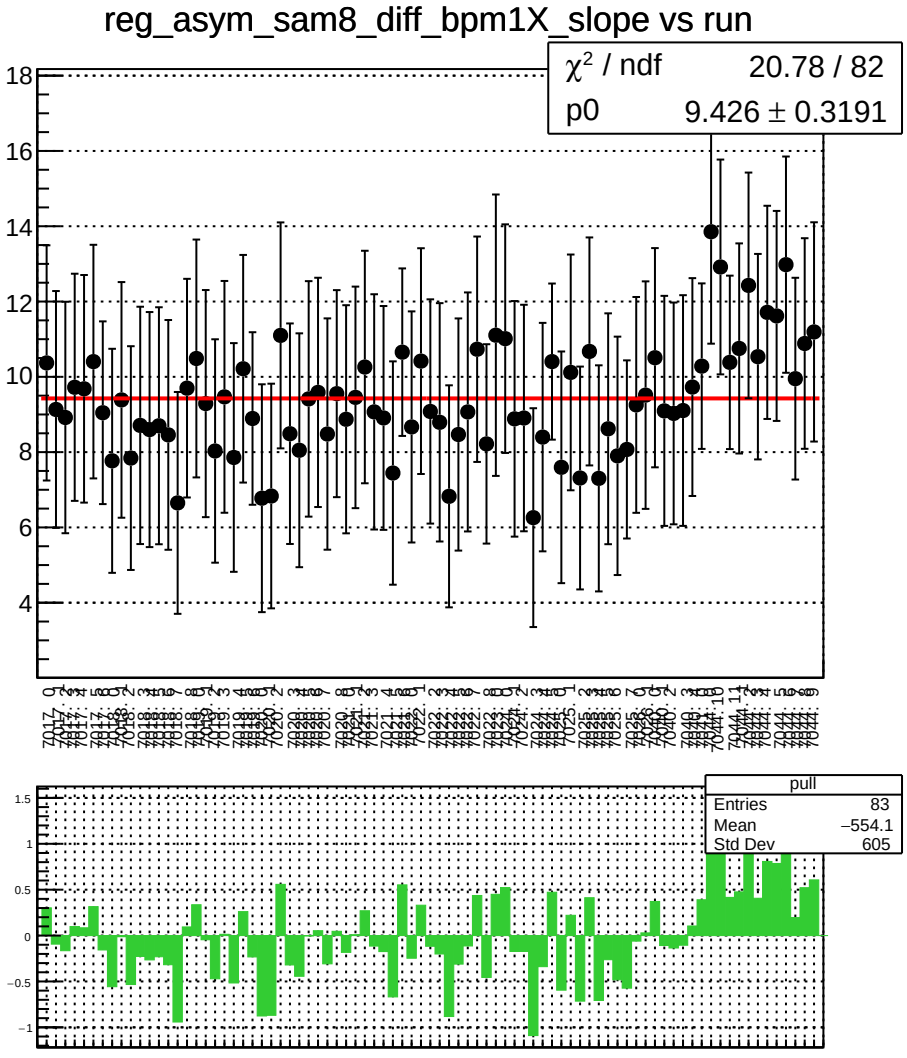

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 16.42 / 82
p0 −55.47 ± 0.3929
pull
Entries 83
Mean 476.4
Std Dev 432.7
pull1D
Entries 83
Mean −0.005739
Std Dev 0.4448

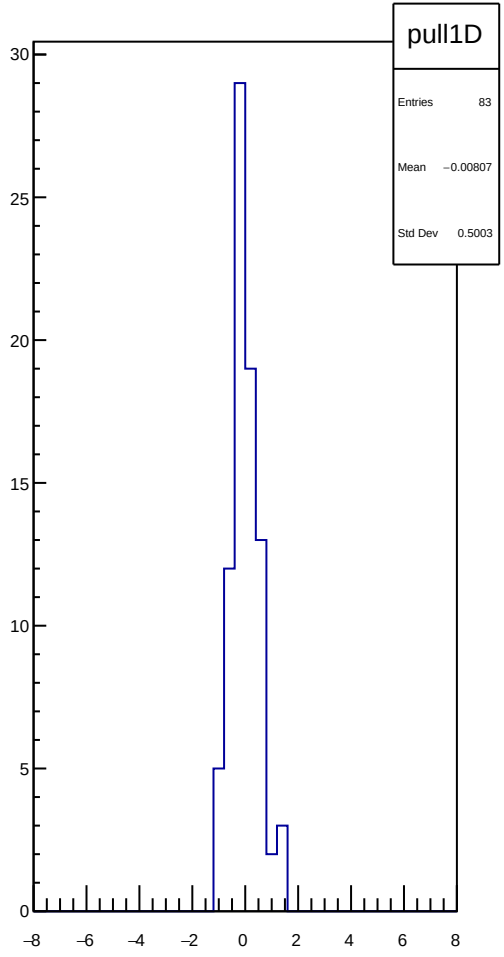

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 10.92 / 82
p0 −17.44 ± 0.3044
pull
Entries 83
Mean −128
Std Dev 176.4

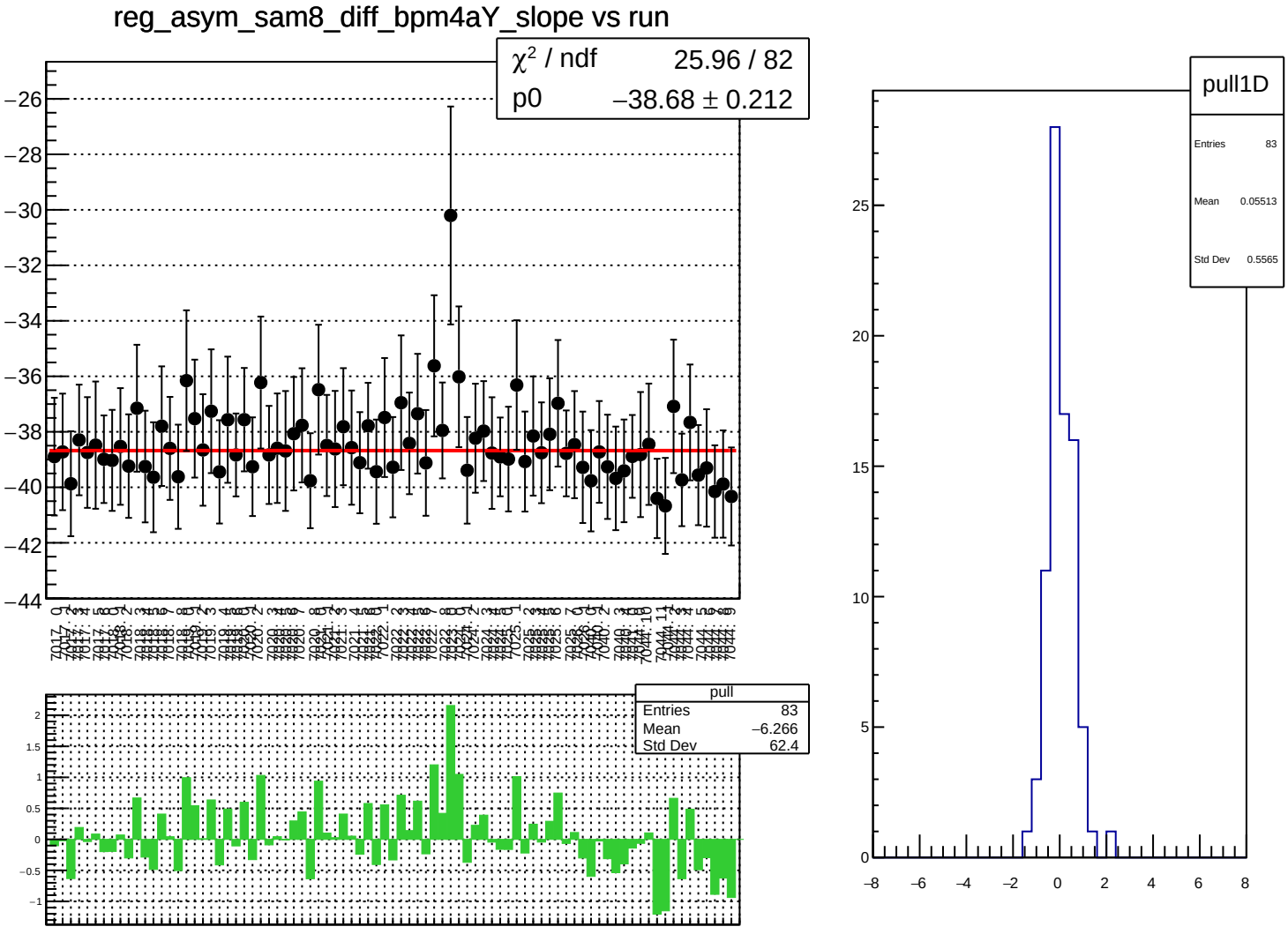

pull1D
Entries 83
Mean −0.02174
Std Dev 0.3621

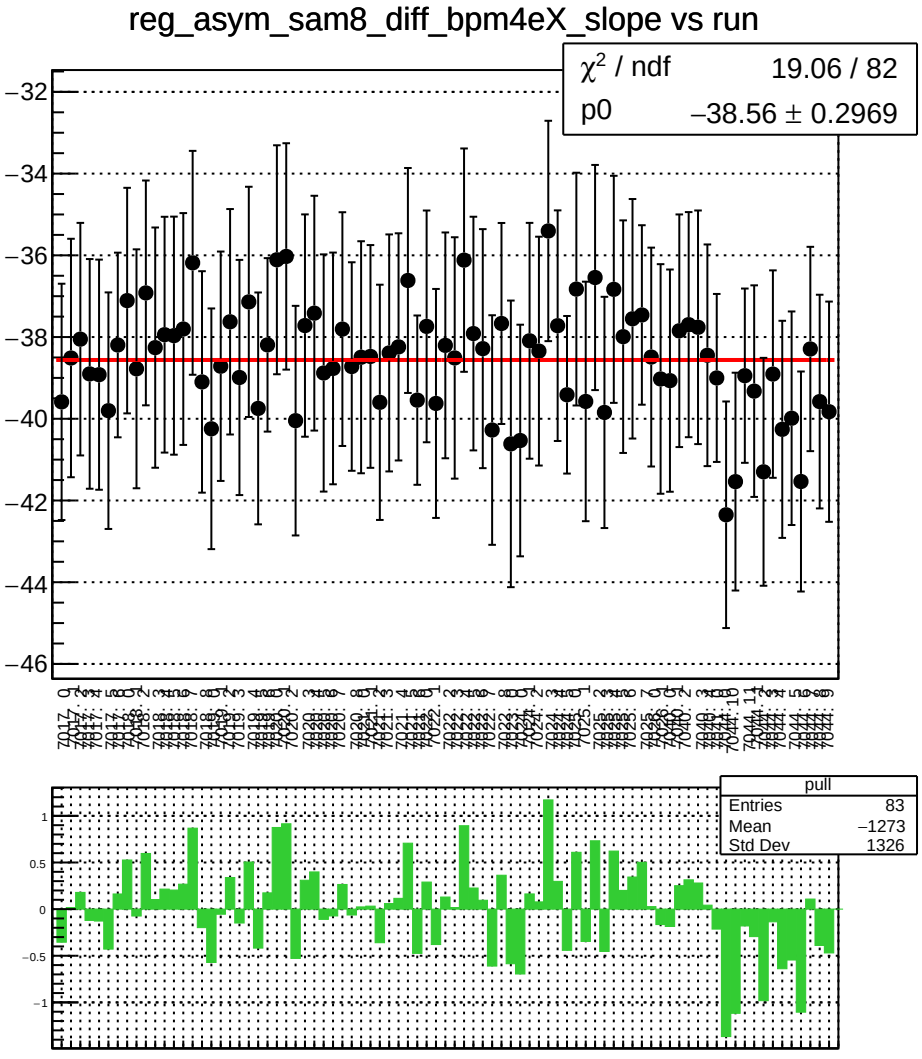

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 12.91 / 82
p0 0.3566 ± 0.01433
pull
Entries 83
Mean −227.8
Std Dev 270.5

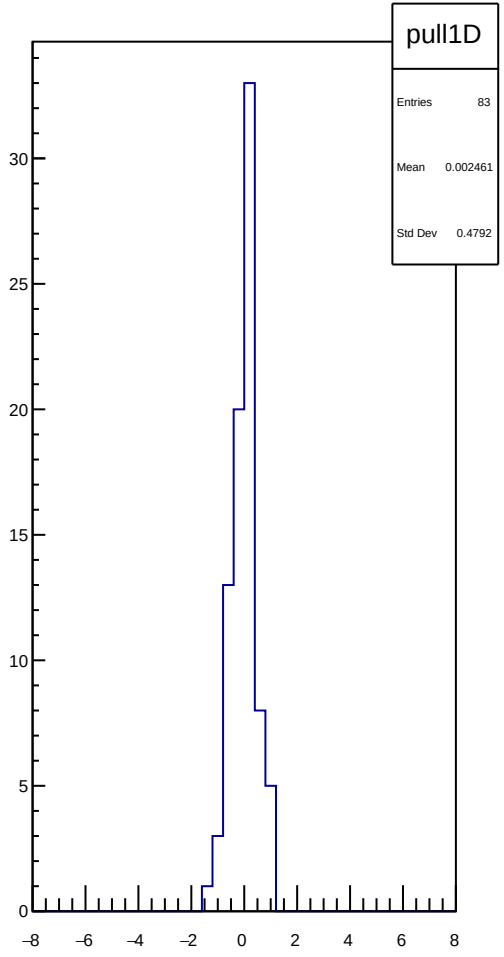

pull1D
Entries 83
Mean −0.01287
Std Dev 0.3942

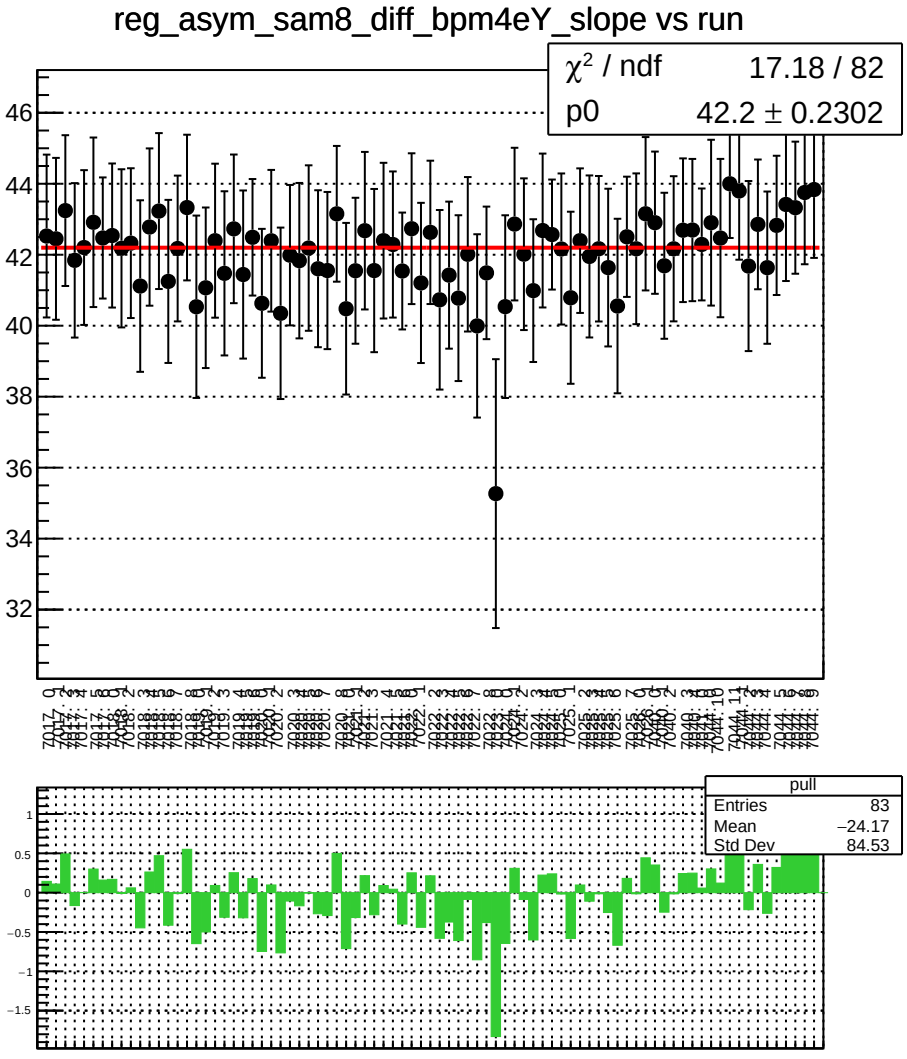

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 20.78 / 82
p0 9.426 ± 0.3191
pull
Entries 83
Mean −554.1
Std Dev 605

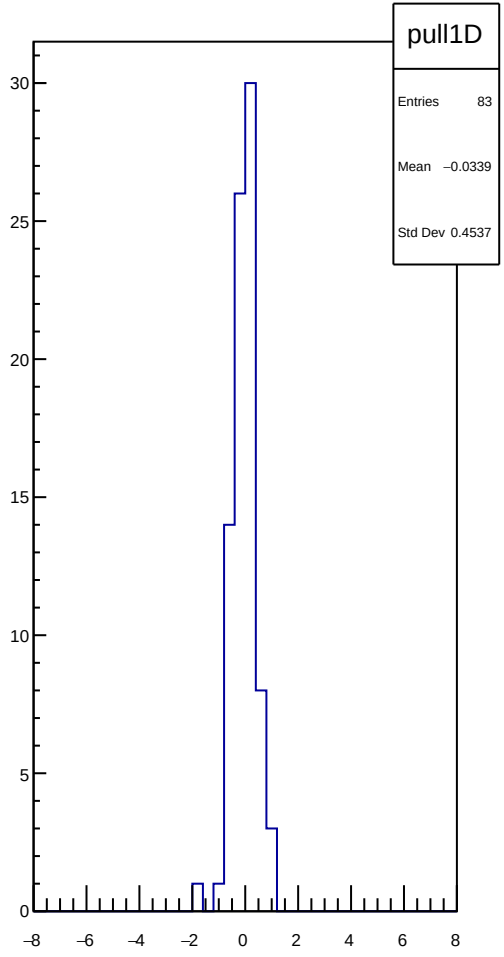

pull1D
Entries 83
Mean −0.00807
Std Dev 0.5003

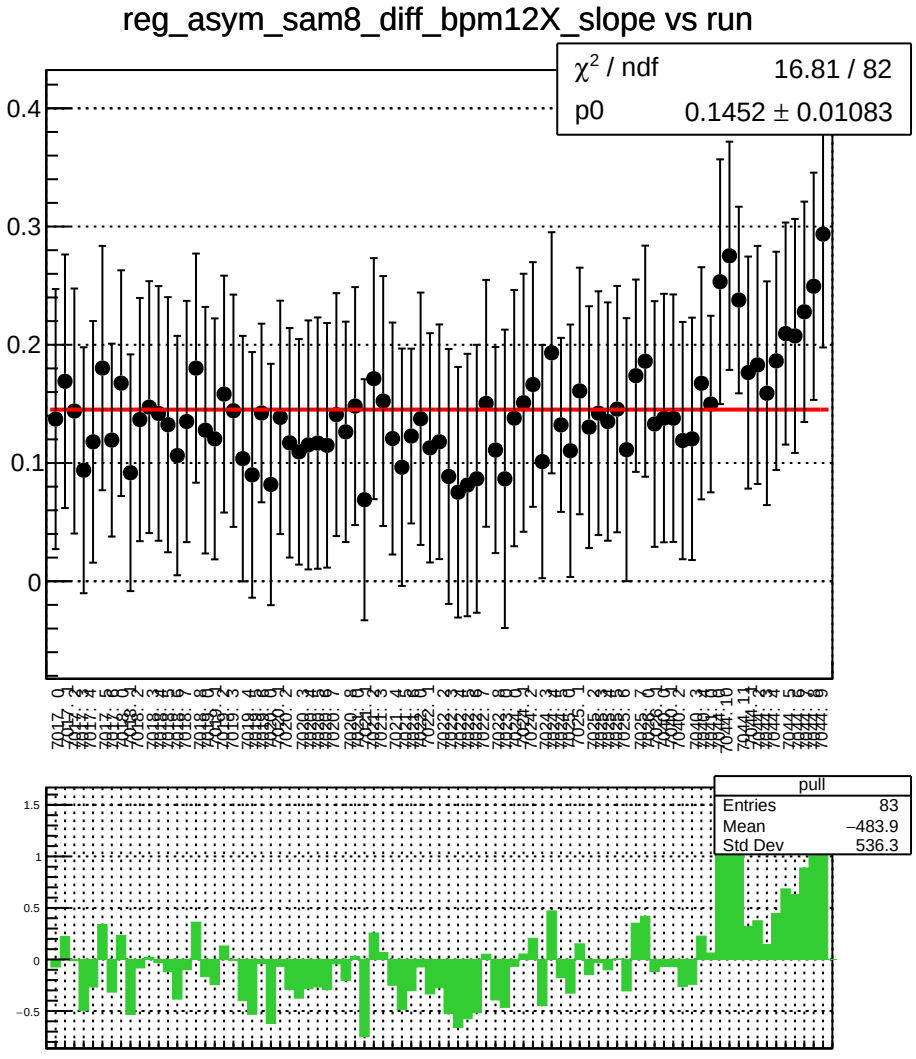

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 25.96 / 82
p0 −38.68 ± 0.212
pull
Entries 83
Mean −6.266
Std Dev 62.4
pull1D
Entries 83
Mean 0.05513
Std Dev 0.5565

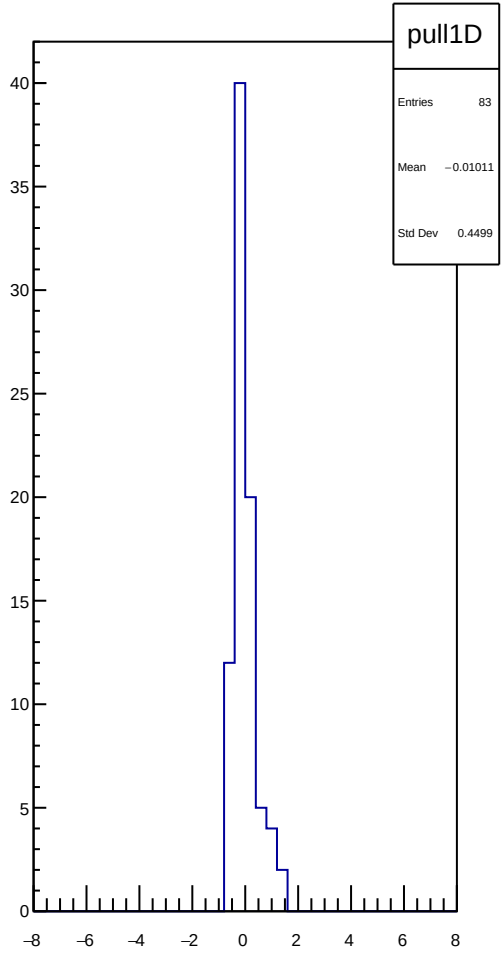

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 19.06 / 82
p0 −38.56 ± 0.2969
pull
Entries 83
Mean −1273
Std Dev 1326

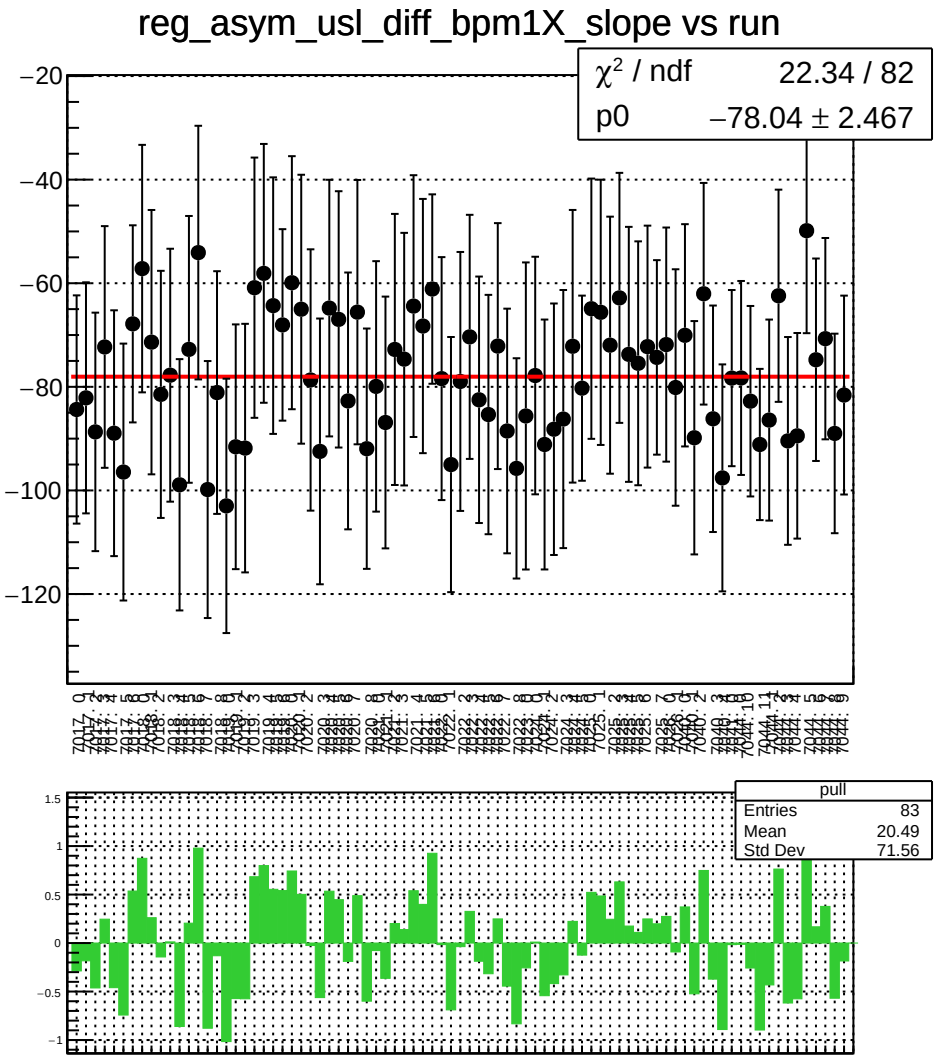

pull1D
Entries 83
Mean 0.002461
Std Dev 0.4792

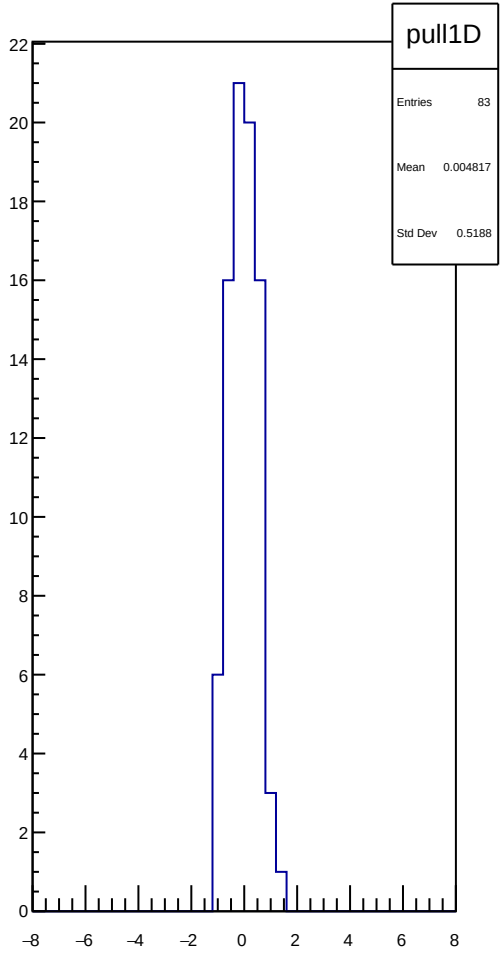

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 17.18 / 82
p0 42.2 ± 0.2302
pull
Entries 83
Mean −24.17
Std Dev 84.53

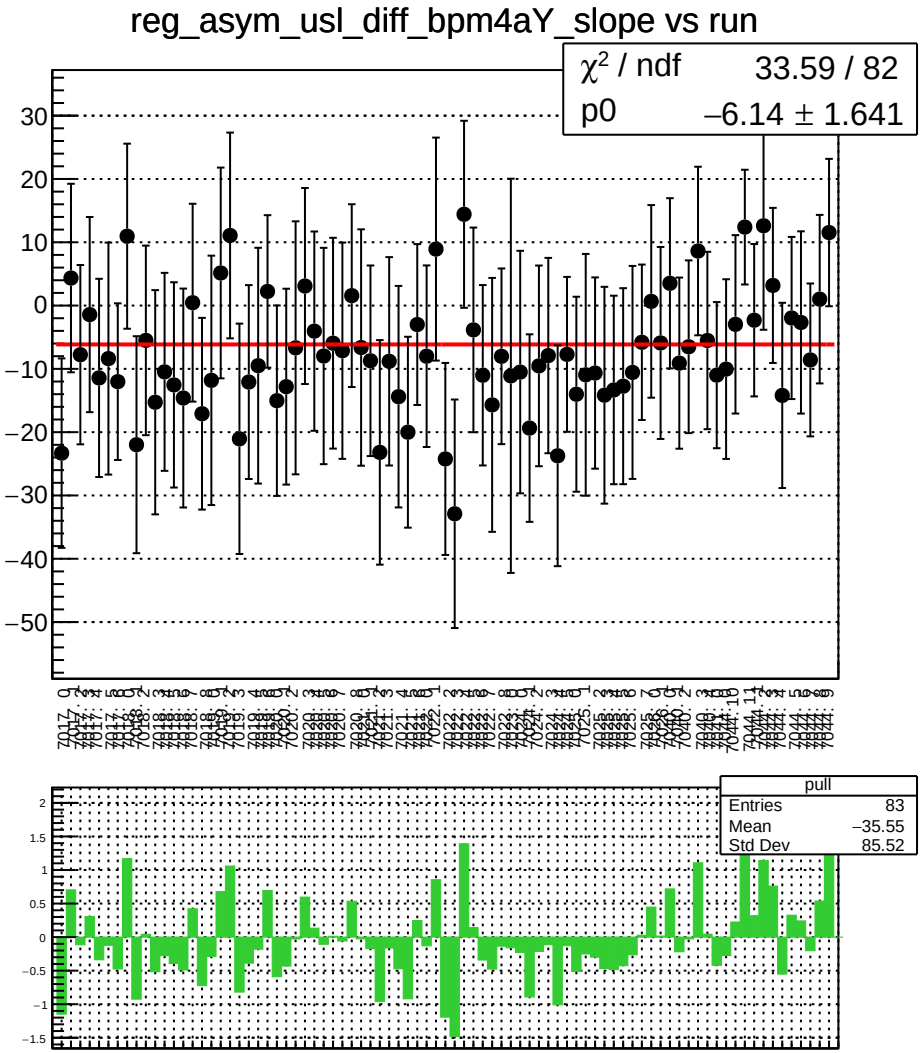

pull1D
Entries 83
Mean −0.0339
Std Dev 0.4537

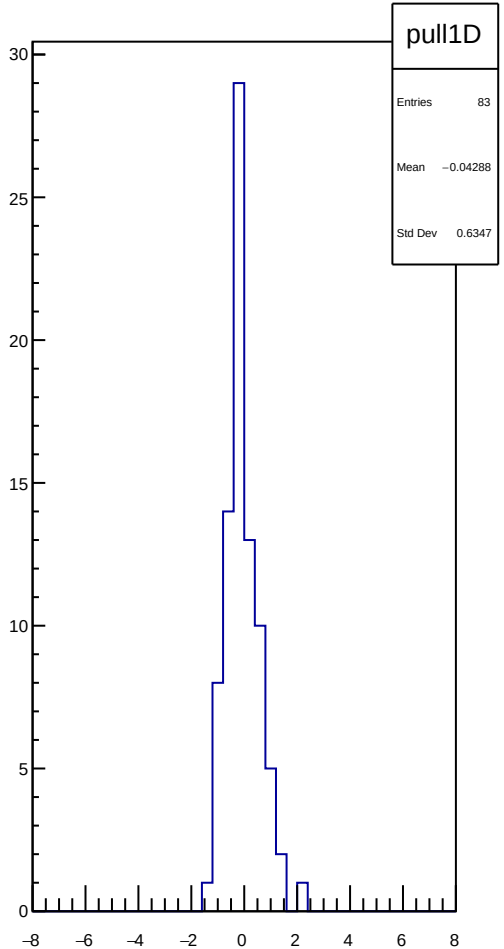

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 16.81 / 82
p0 0.1452 ± 0.01083
pull
Entries 83
Mean −483.9
Std Dev 536.3

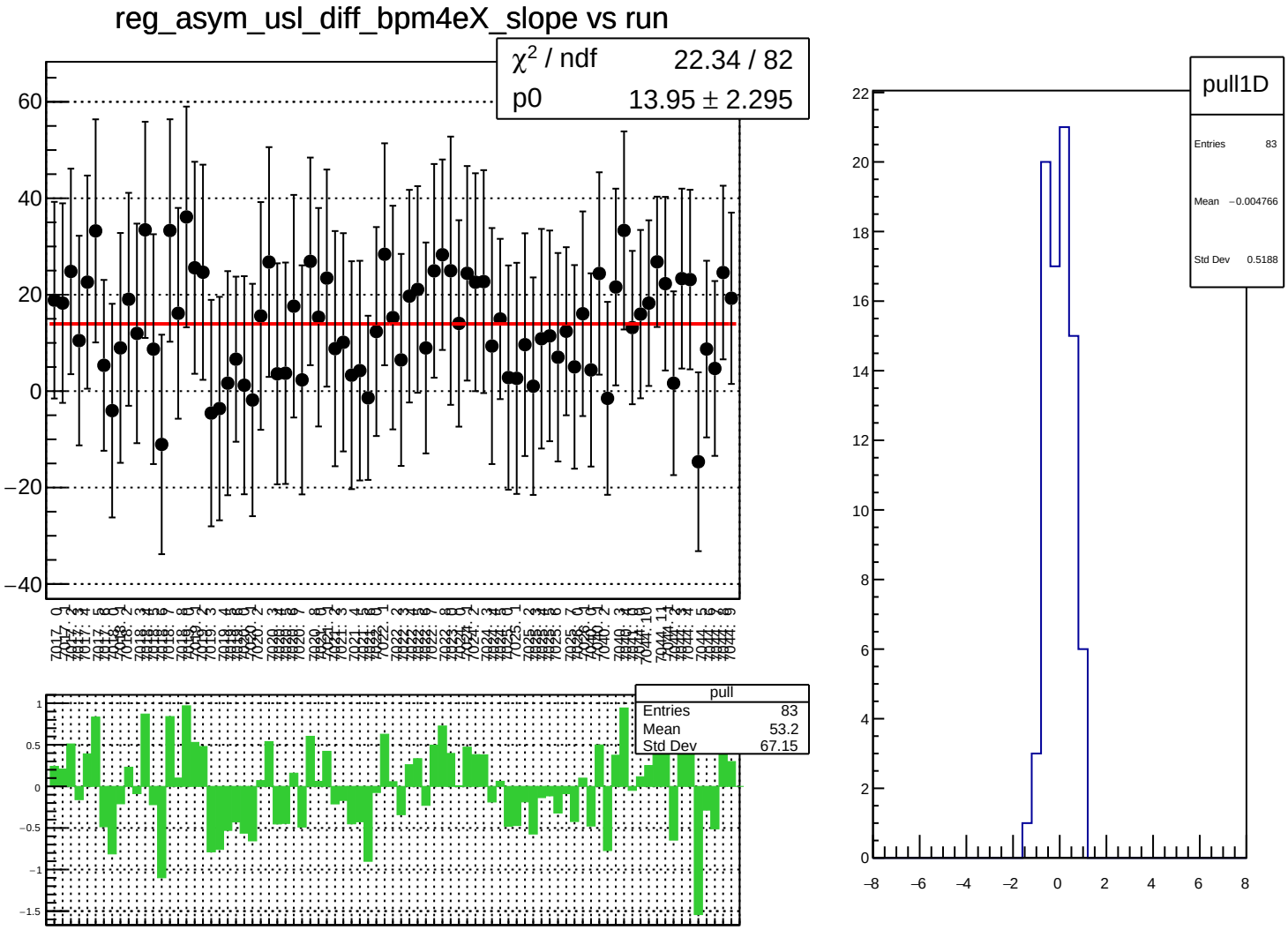

pull1D
Entries 83
Mean −0.01011
Std Dev 0.4499

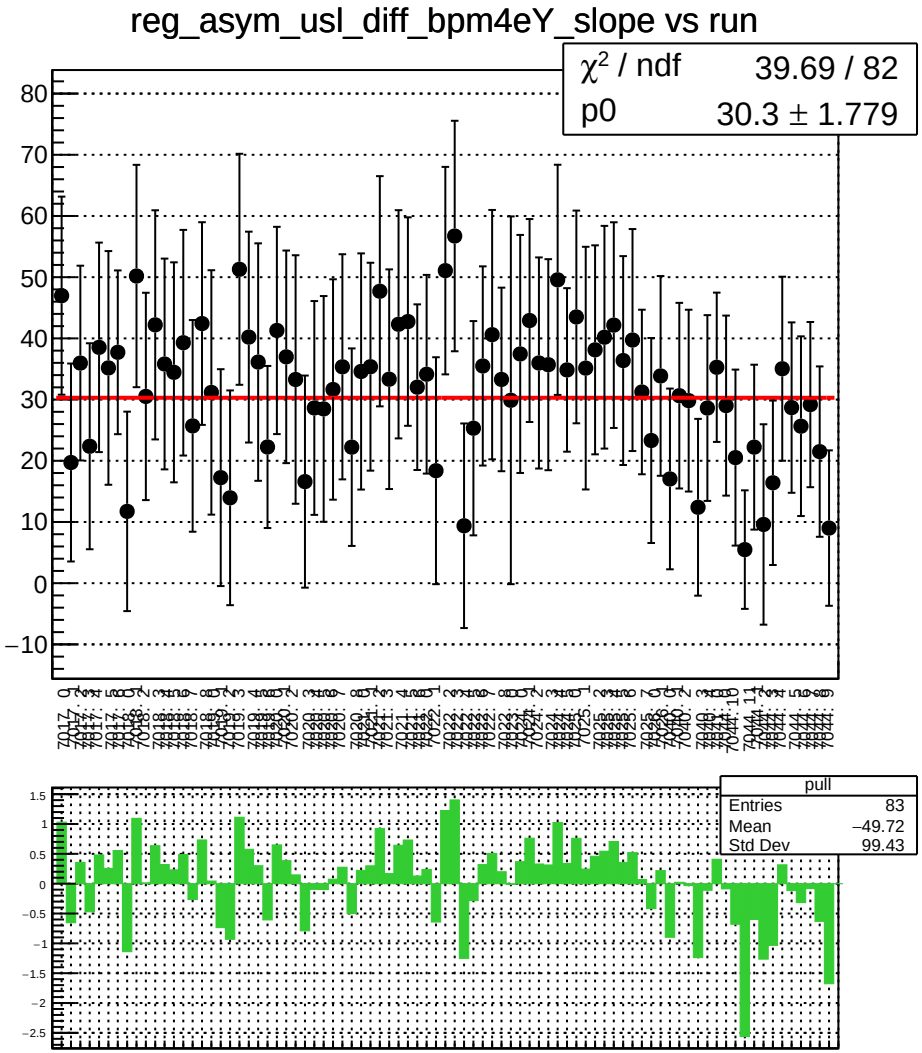

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 22.34 / 82
p0 −78.04 ± 2.467
pull
Entries 83
Mean 20.49
Std Dev 71.56

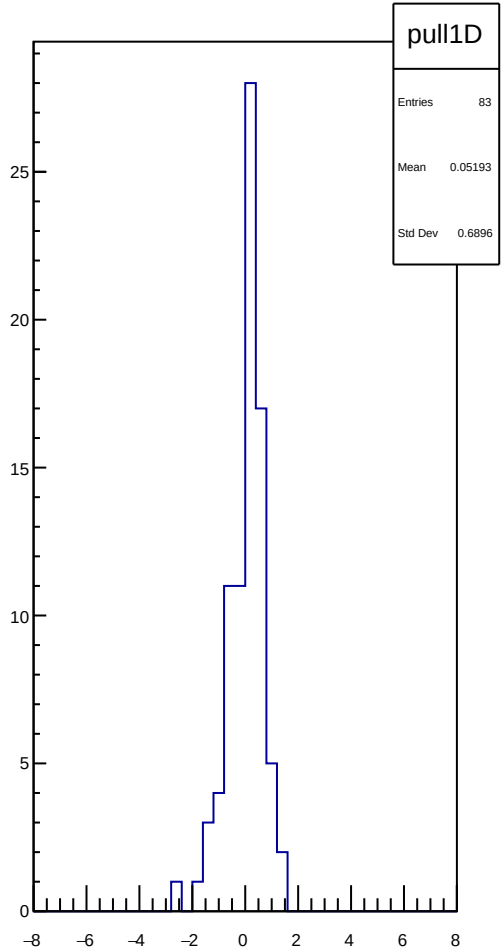

pull1D
Entries 83
Mean 0.004817
Std Dev 0.5188

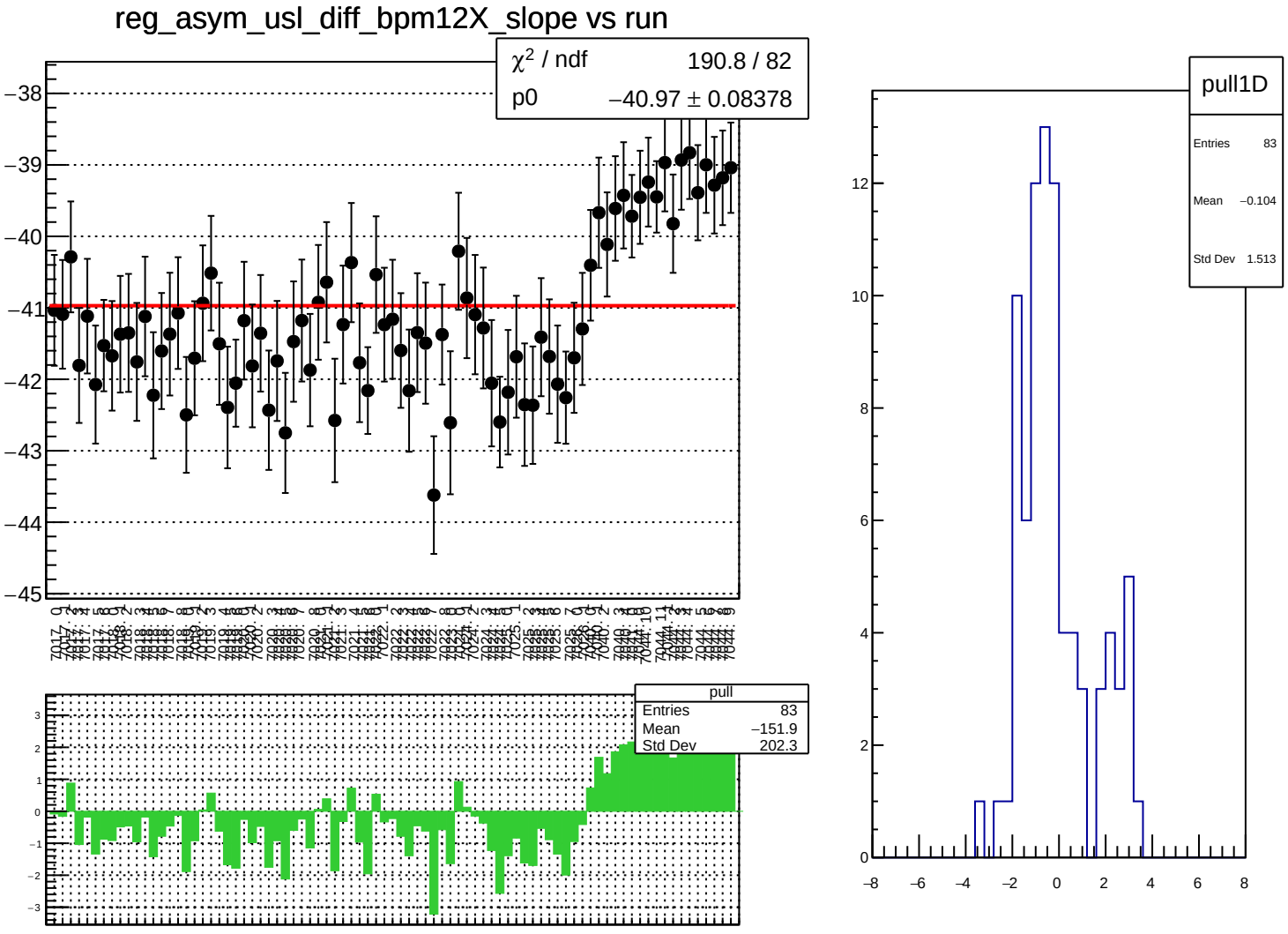

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 33.59 / 82
p0 −6.14 ± 1.641
pull
Entries 83
Mean −35.55
Std Dev 85.52

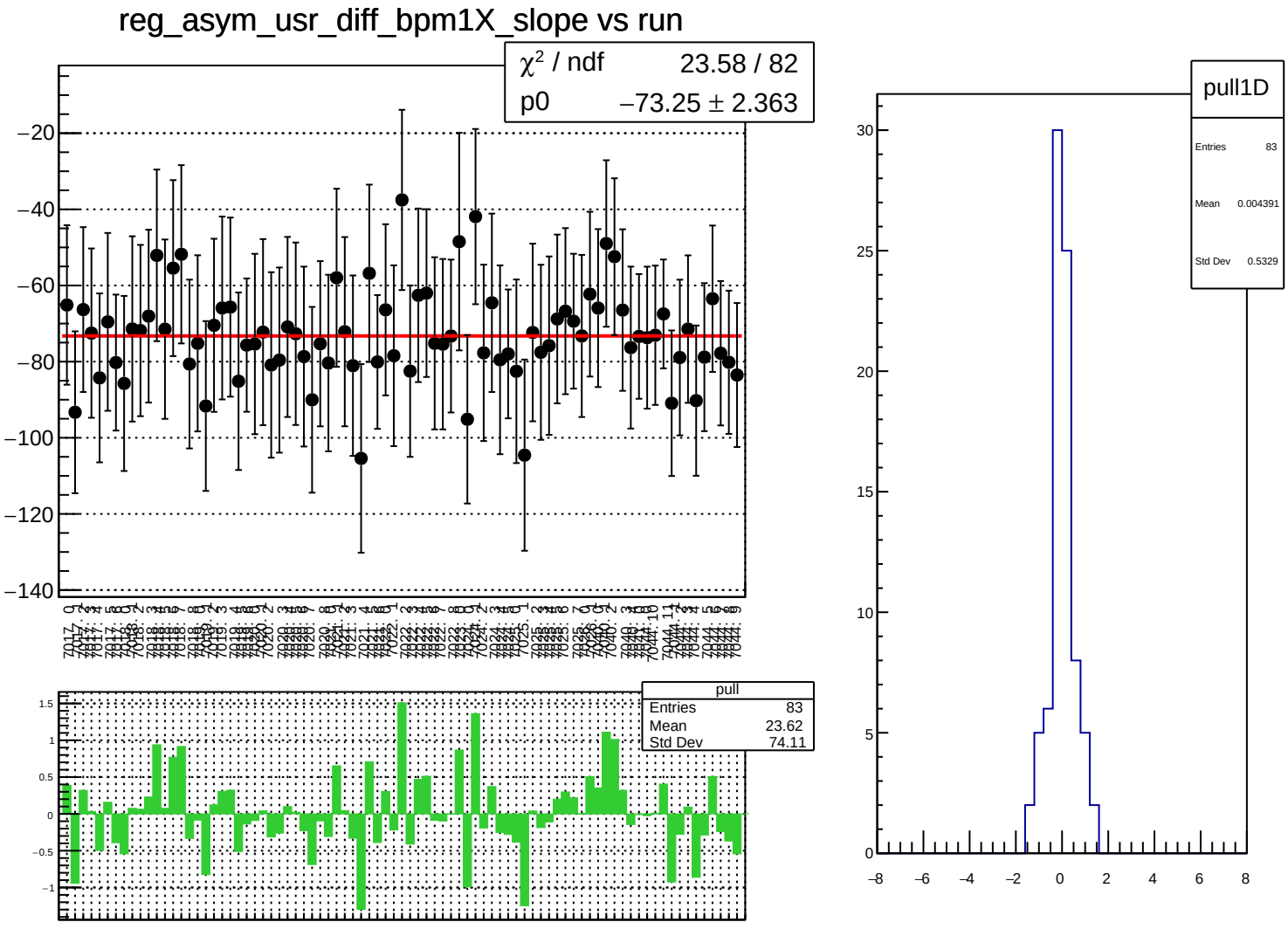

pull1D
Entries 83
Mean −0.04288
Std Dev 0.6347

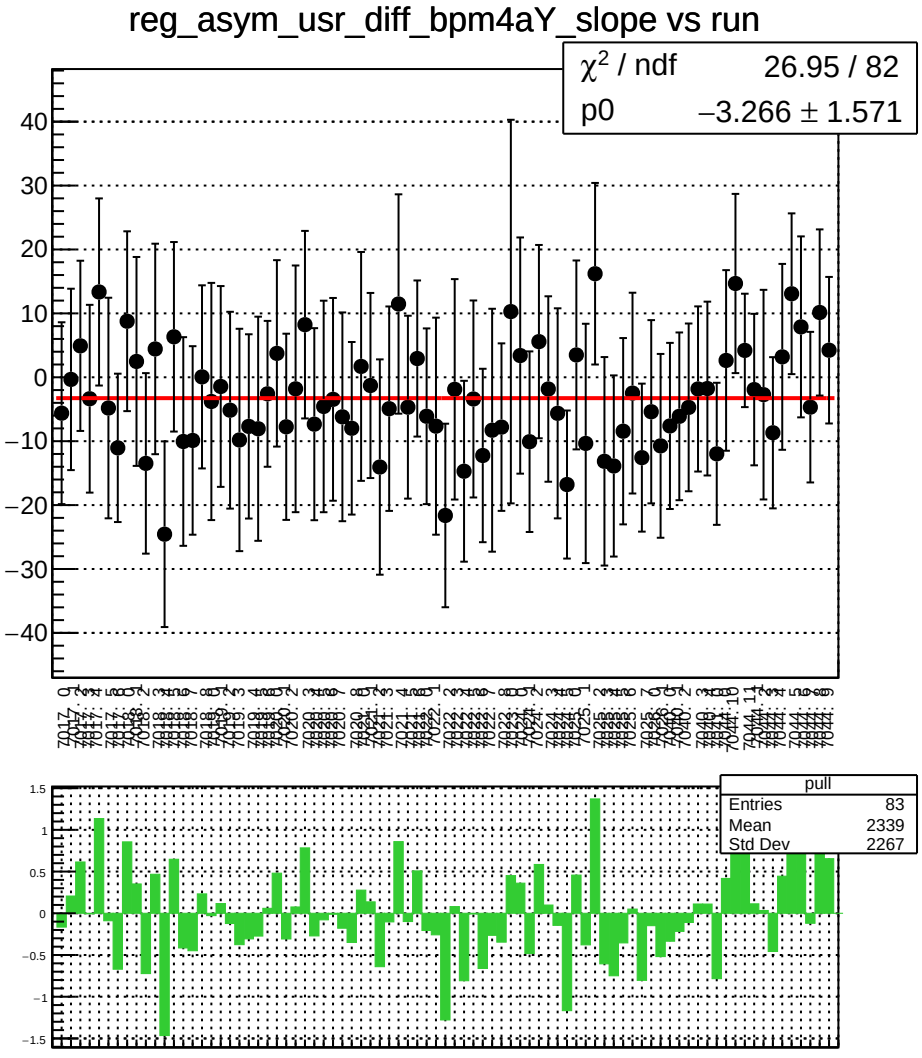

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 22.34 / 82
p0 13.95 ± 2.295
pull
Entries 83
Mean 53.2
Std Dev 67.15
pull1D
Entries 83
Mean −0.004766
Std Dev 0.5188

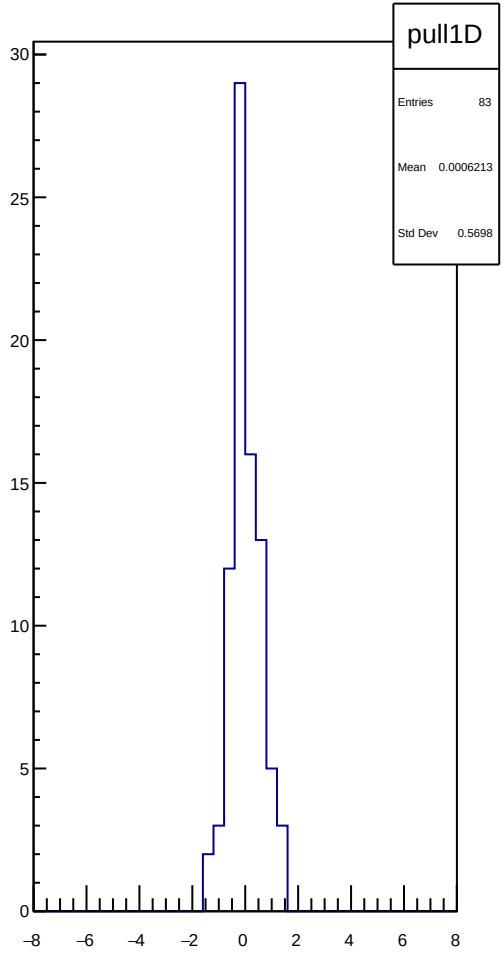

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.69 / 82
p0 30.3 ± 1.779
pull
Entries 83
Mean −49.72
Std Dev 99.43

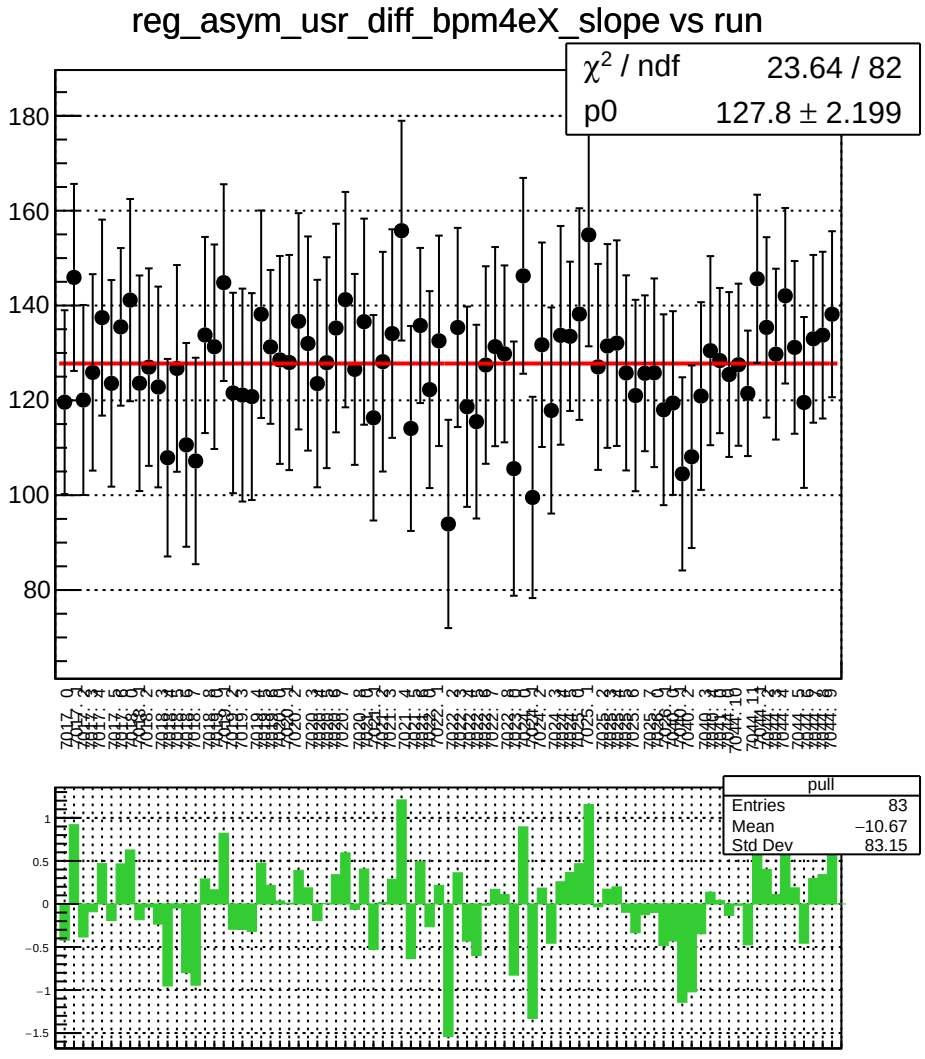

pull1D
Entries 83
Mean 0.05193
Std Dev 0.6896

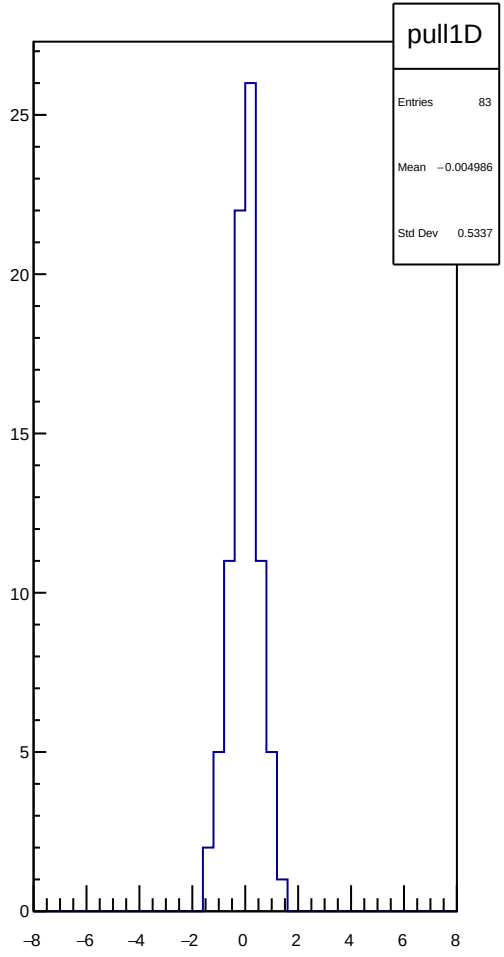

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 190.8 / 82
p0 −40.97 ± 0.08378
pull
Entries 83
Mean −151.9
Std Dev 202.3
pull1D
Entries 83
Mean −0.104
Std Dev 1.513

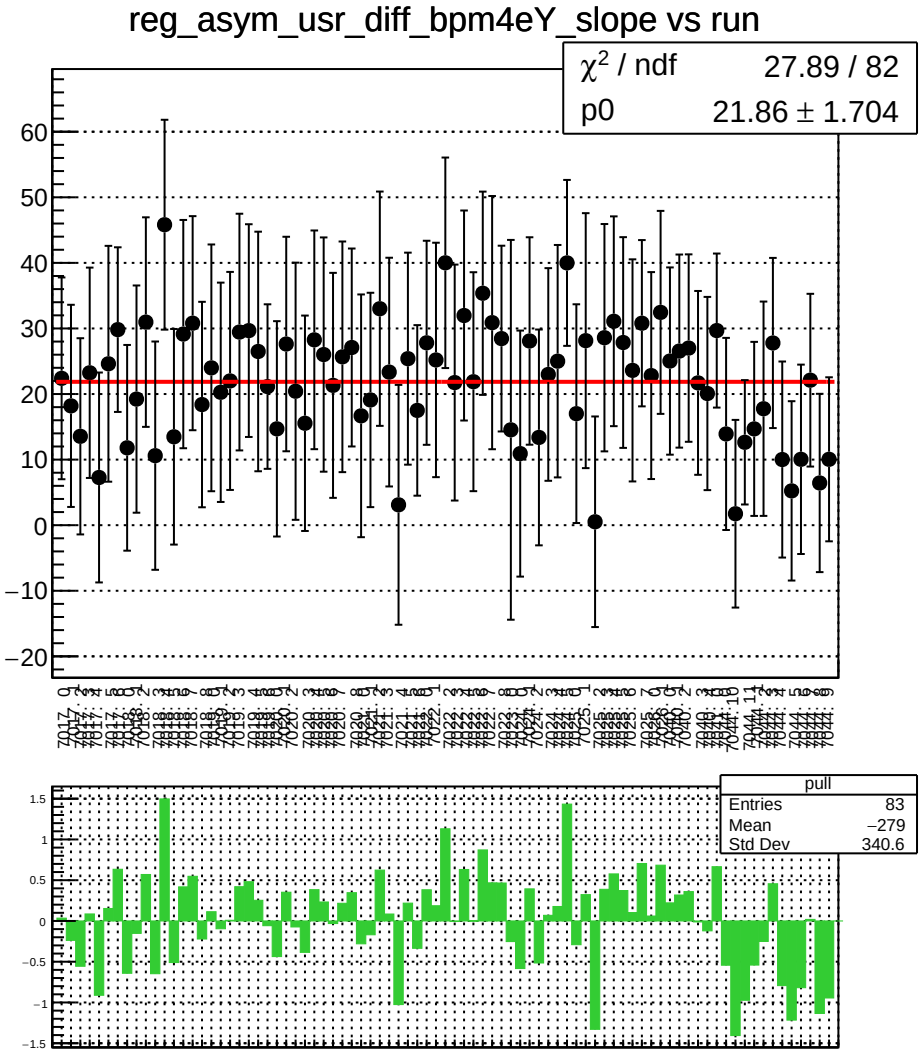

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 23.58 / 82
p0 −73.25 ± 2.363
pull
Entries 83
Mean 23.62
Std Dev 74.11
pull1D
Entries 83
Mean 0.004391
Std Dev 0.5329

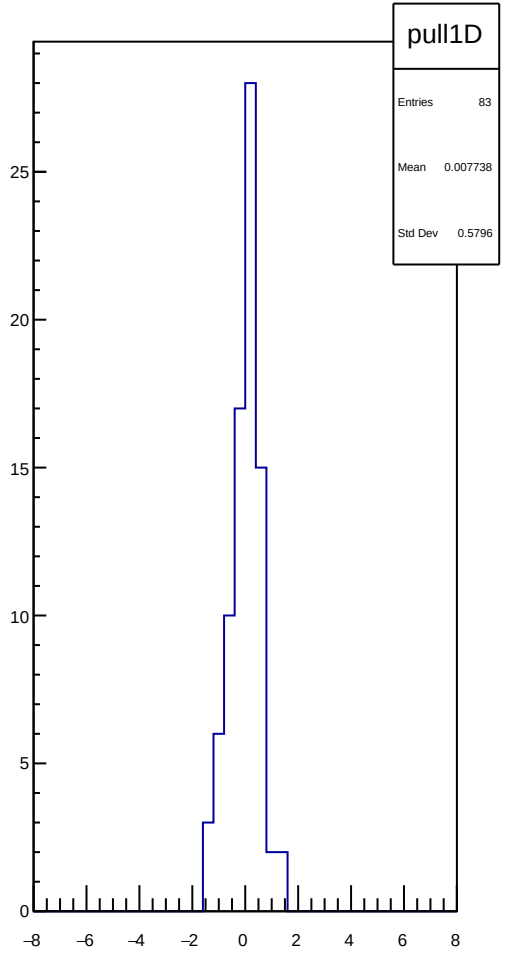

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 26.95 / 82
p0 −3.266 ± 1.571
pull
Entries 83
Mean 2339
Std Dev 2267

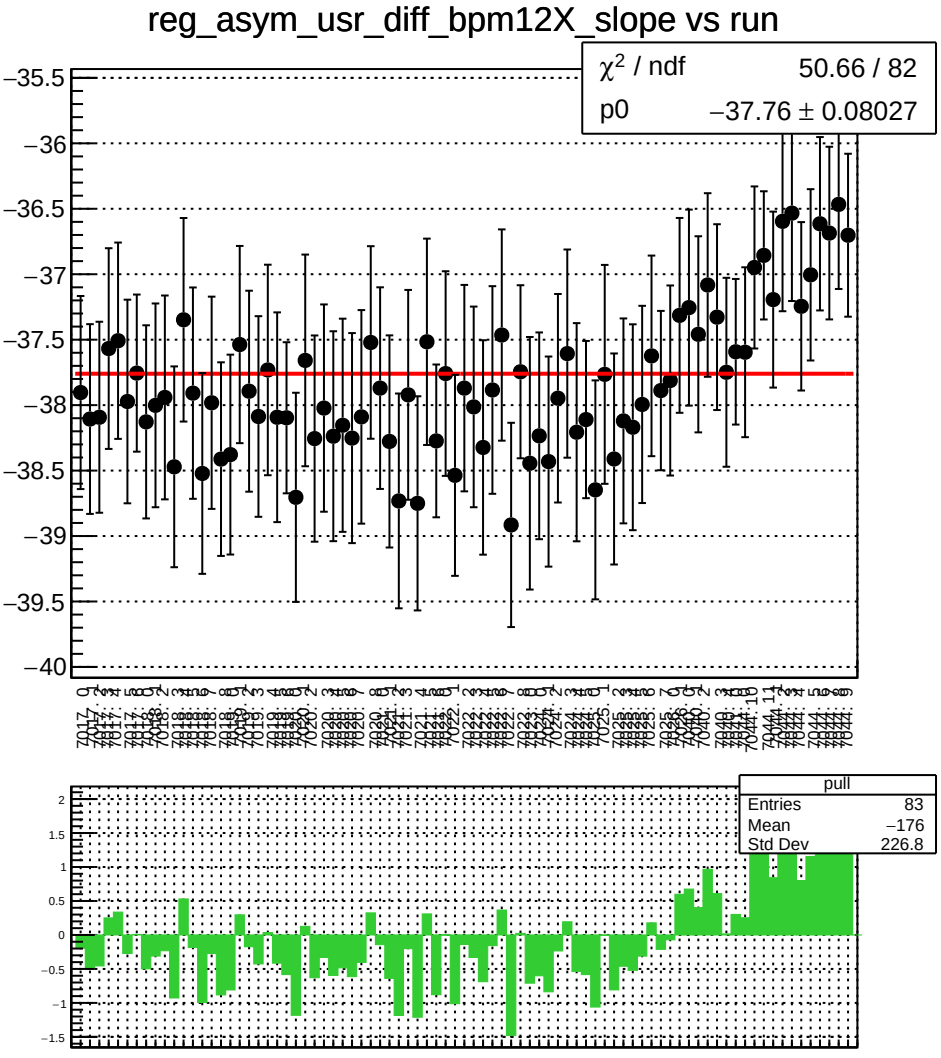

pull1D
Entries 83
Mean 0.0006213
Std Dev 0.5698

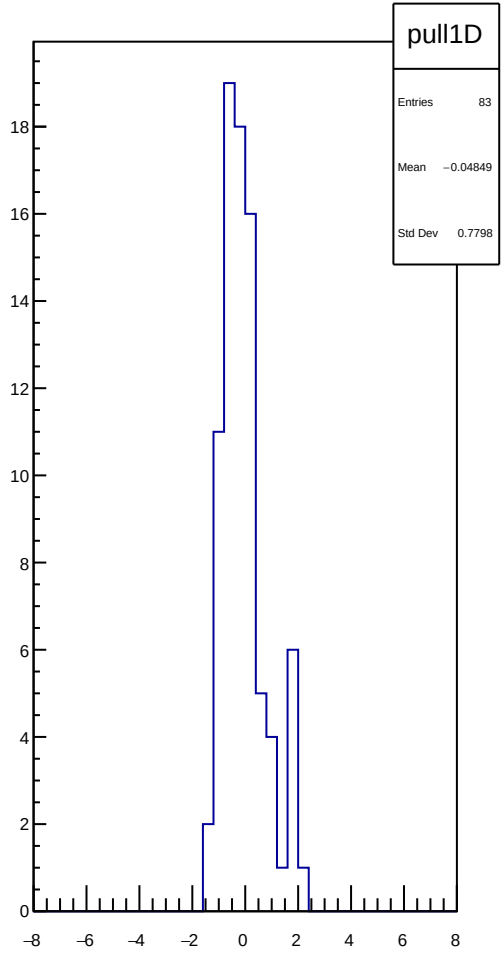

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 23.64 / 82
p0 127.8 ± 2.199
pull
Entries 83
Mean −10.67
Std Dev 83.15


pull1D
Entries 83
Mean −0.004986
Std Dev 0.5337

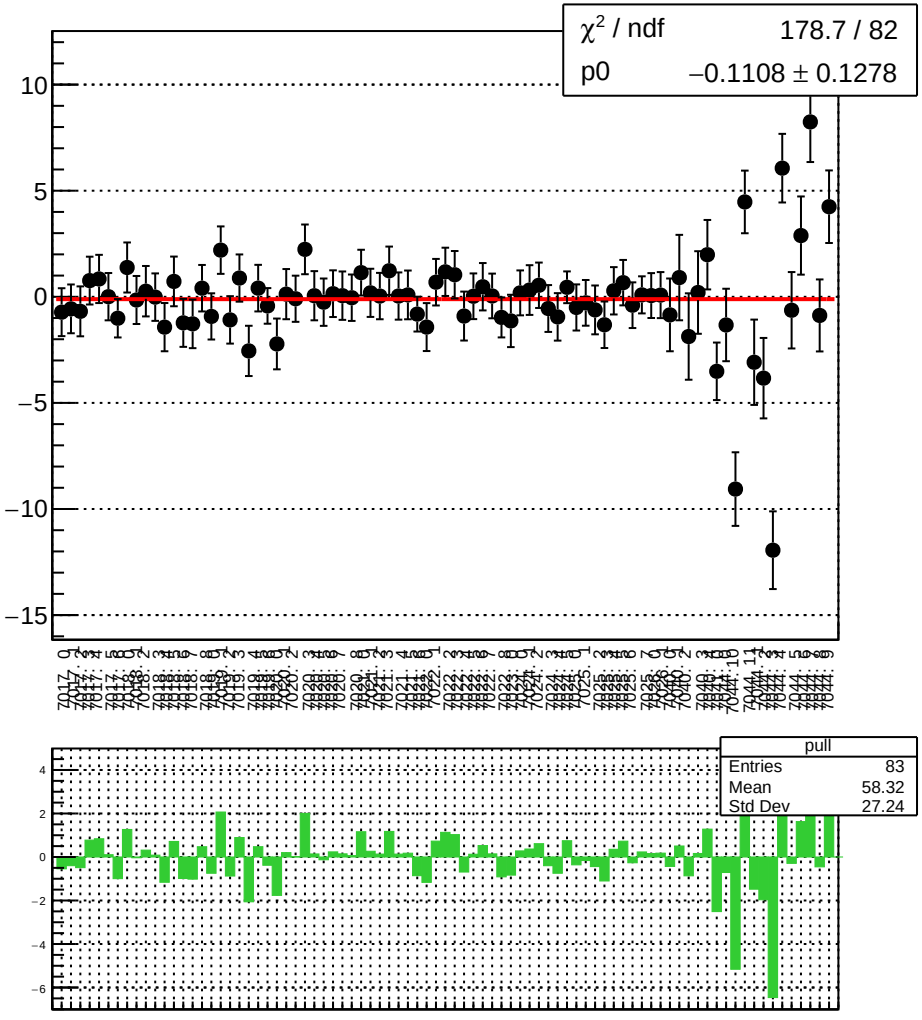

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 27.89 / 82
p0 21.86 ± 1.704
pull
Entries 83
Mean −279
Std Dev 340.6

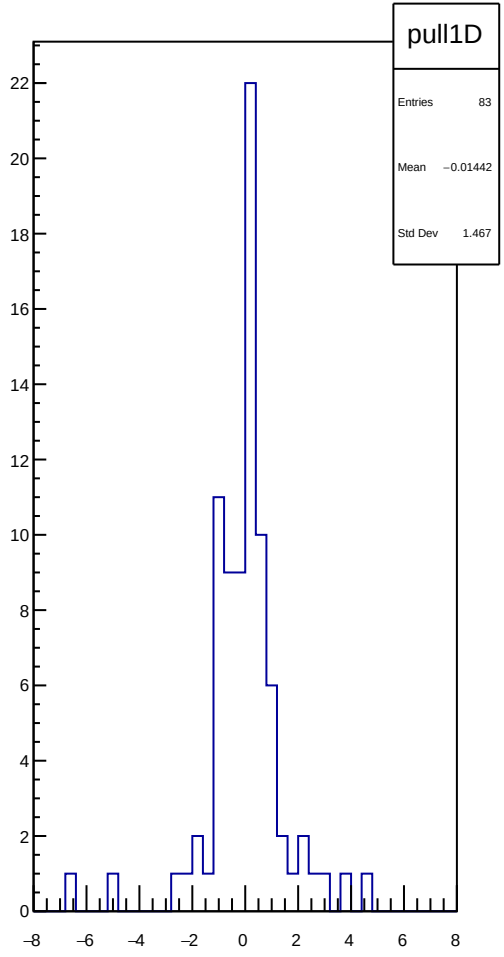

pull1D
Entries 83
Mean 0.007738
Std Dev 0.5796

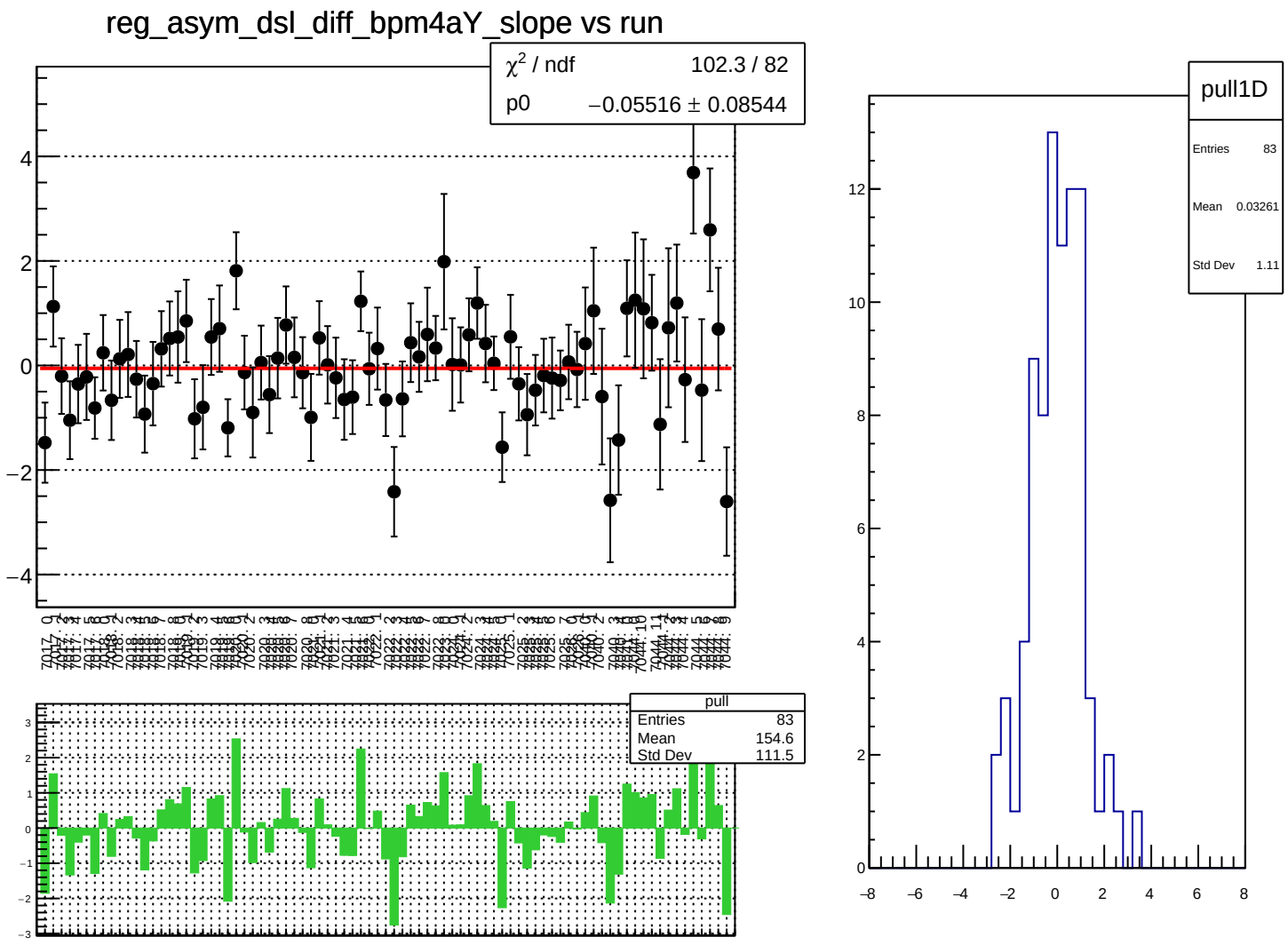

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 50.66 / 82
p0 −37.76 ± 0.08027
pull
Entries 83
Mean −176
Std Dev 226.8

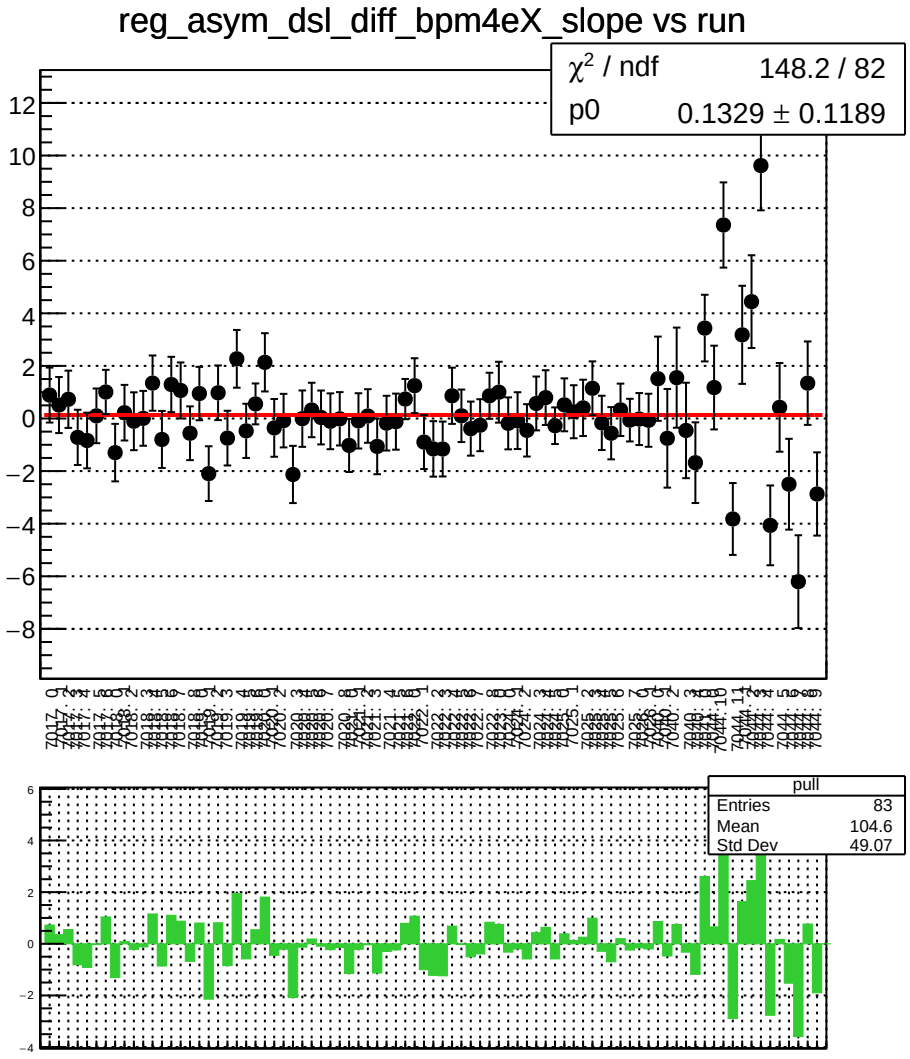

pull1D
Entries 83
Mean −0.04849
Std Dev 0.7798

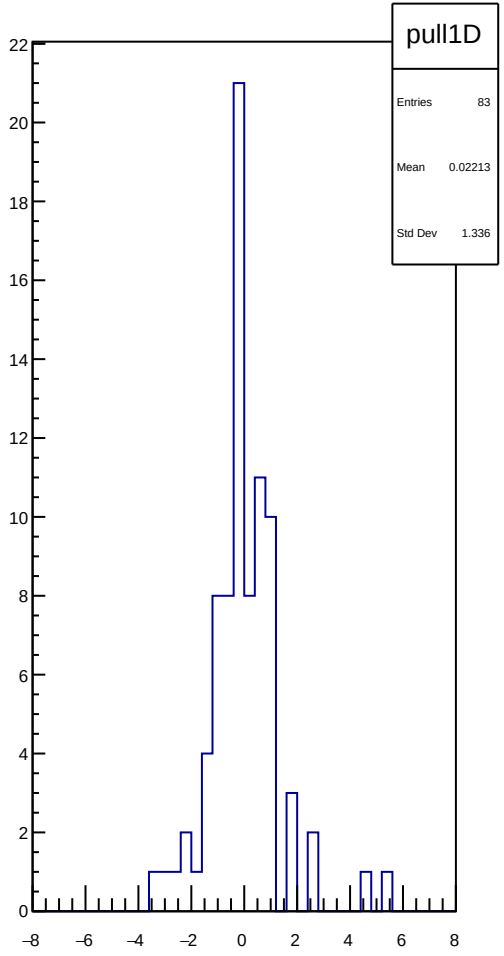
reg_asym_dsl_diff_bpm1X_slope vs run

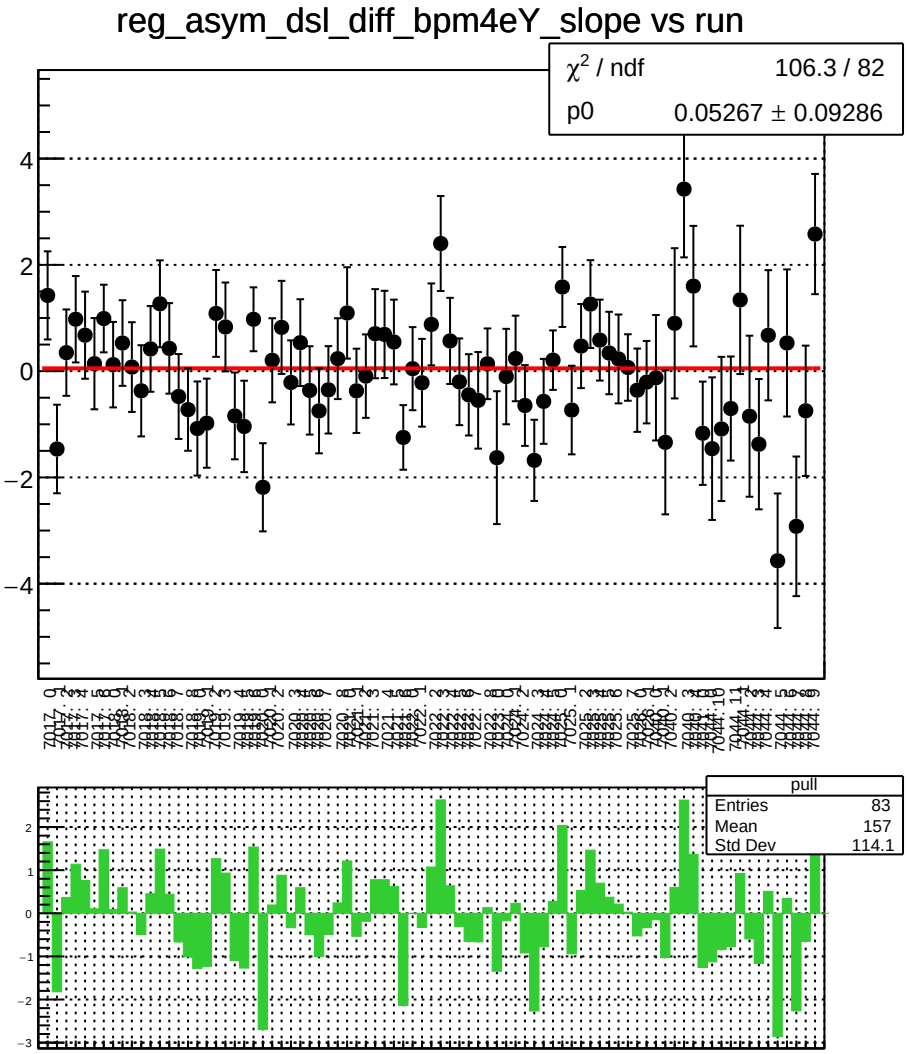


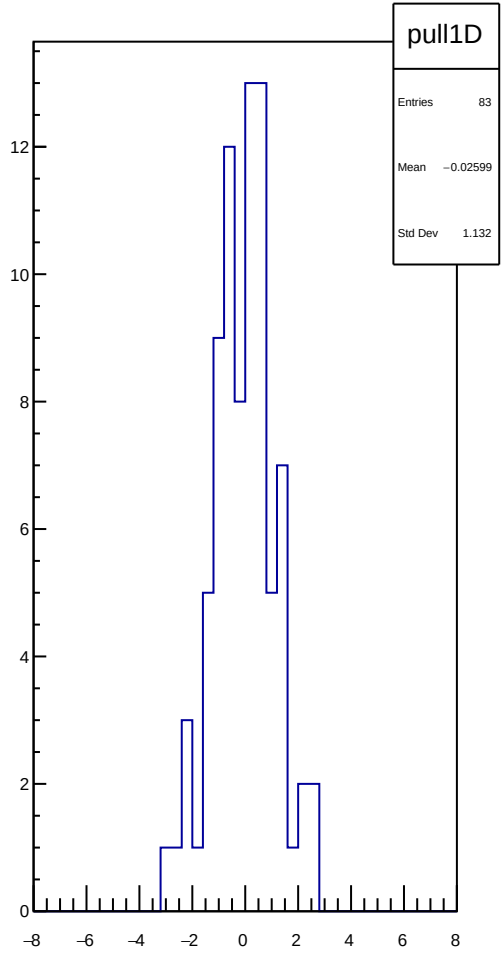


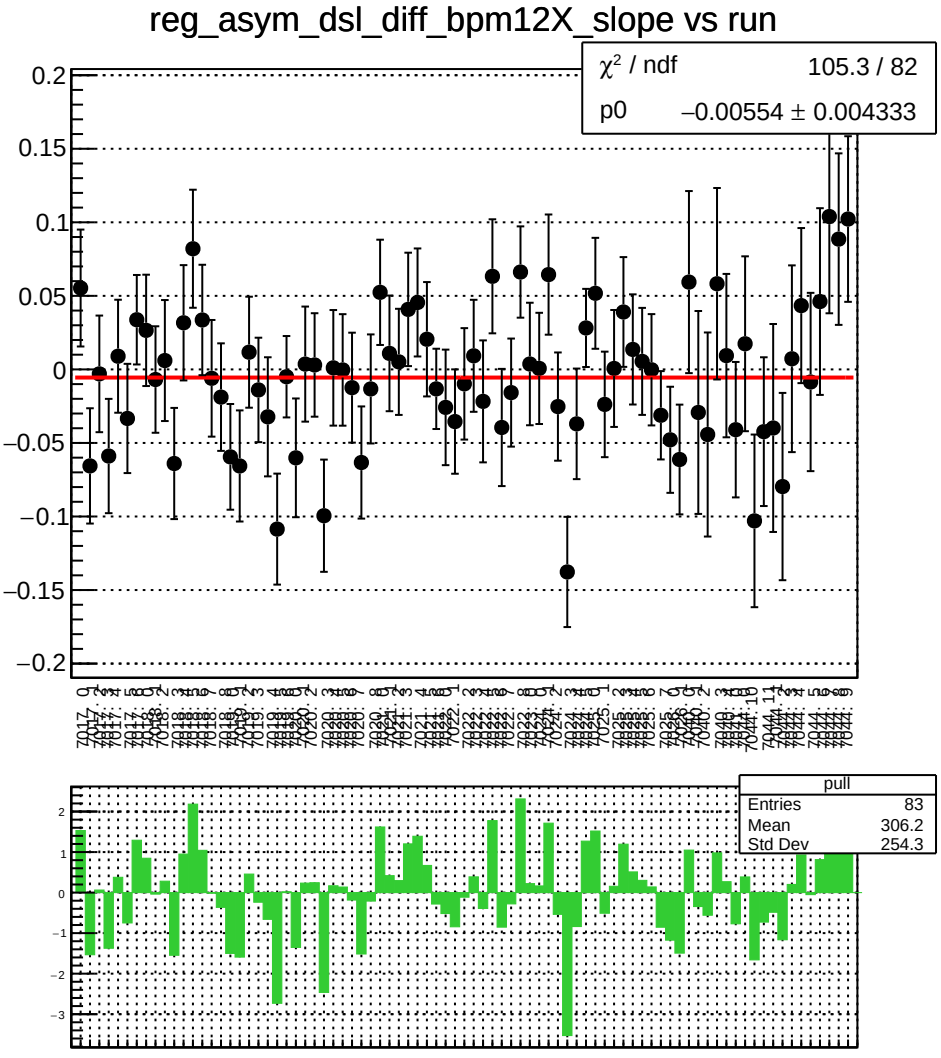

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 102.3 / 82
p0 −0.05516 ± 0.08544
pull
Entries 83
Mean 154.6
Std Dev 111.5
pull1D
Entries 83
Mean 0.03261
Std Dev 1.11

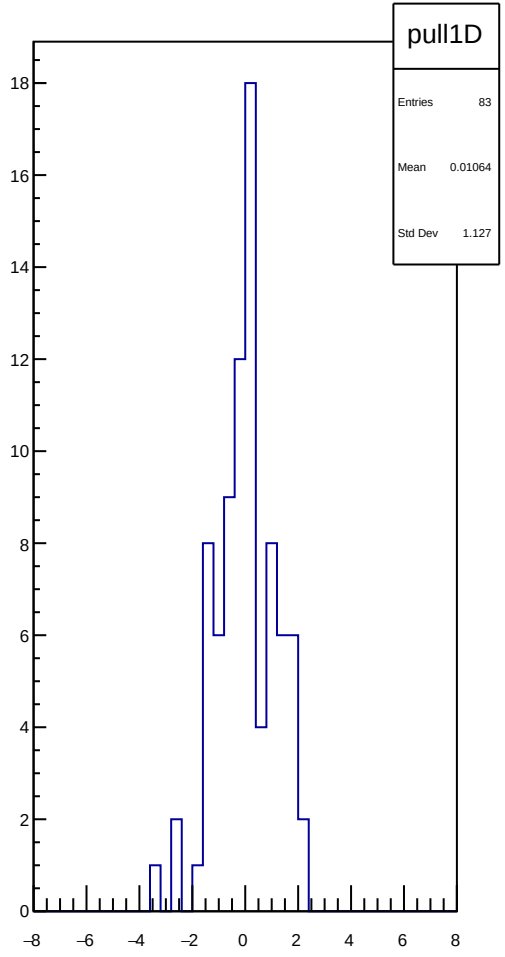

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 148.2 / 82
p0 0.1329 ± 0.1189
pull
Entries 83
Mean 104.6
Std Dev 49.07


pull1D
Entries 83
Mean 0.02213
Std Dev 1.336

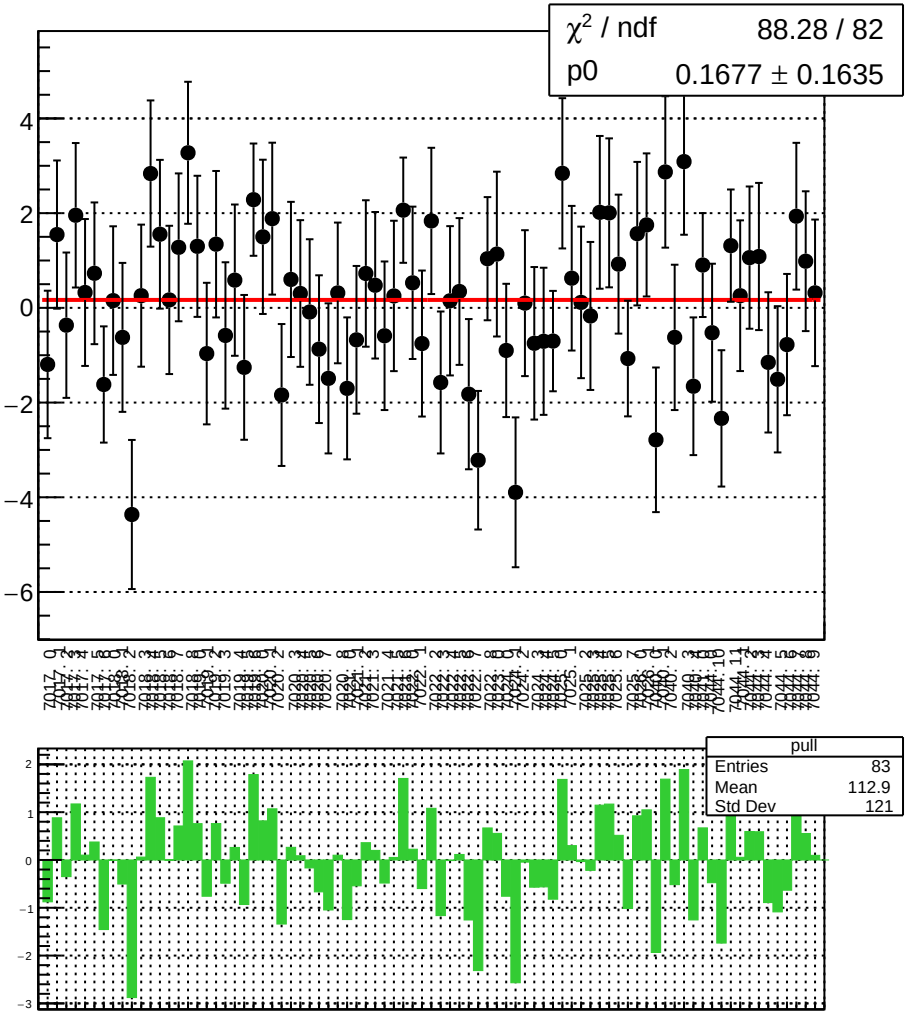

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 106.3 / 82
p0 0.05267 ± 0.09286
pull
Entries 83
Mean 157
Std Dev 114.1

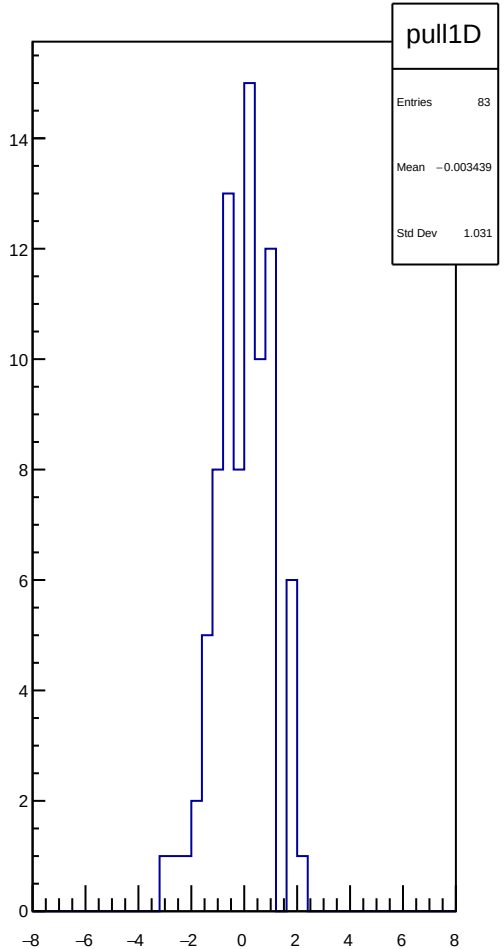

pull1D
Entries 83
Mean −0.02599
Std Dev 1.132

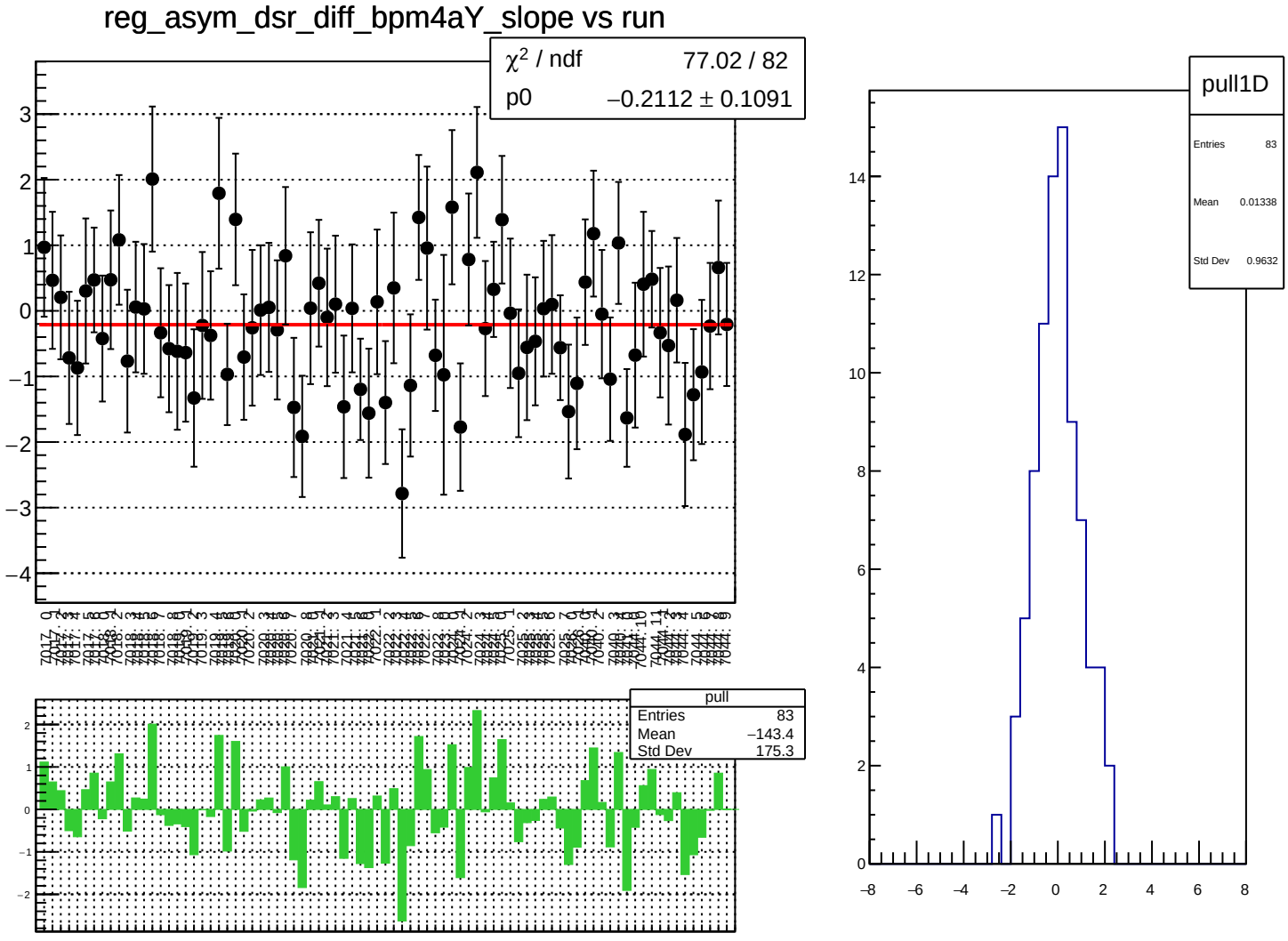

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 105.3 / 82
p0 −0.00554 ± 0.004333
pull
Entries 83
Mean 306.2
Std Dev 254.3

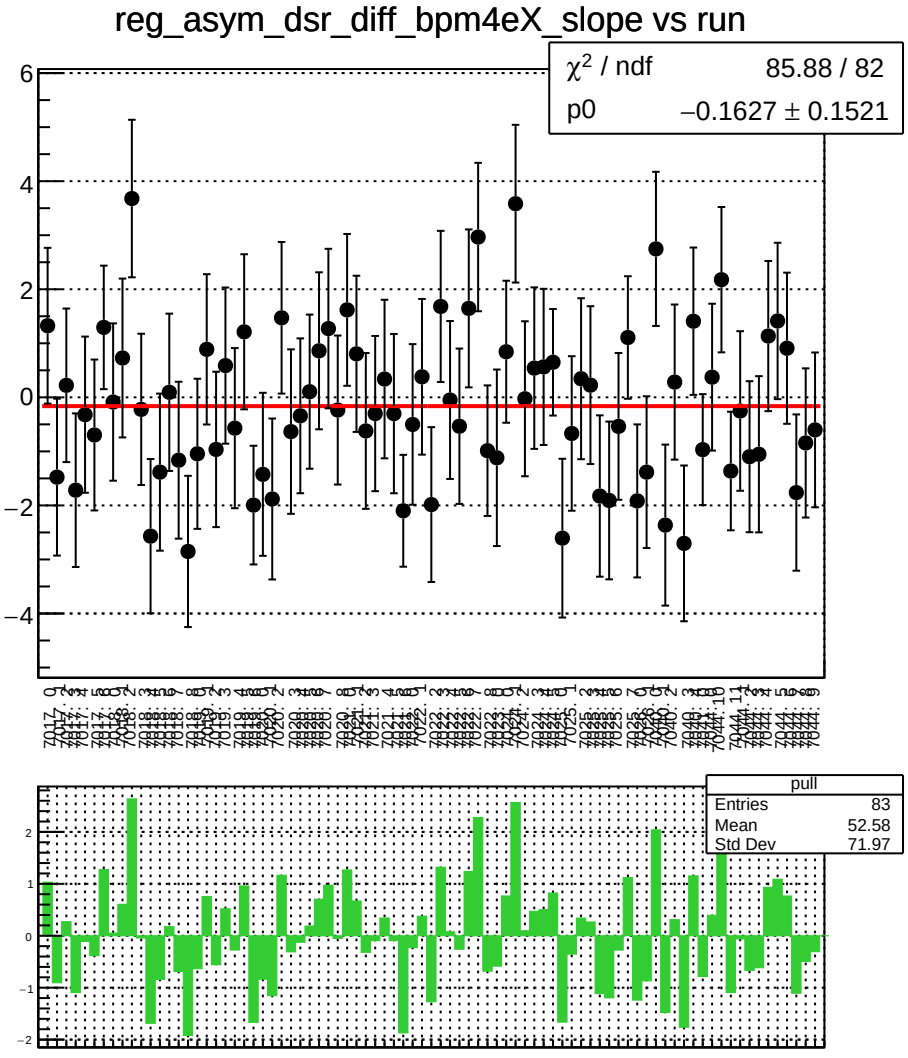

pull1D
Entries 83
Mean 0.01064
Std Dev 1.127

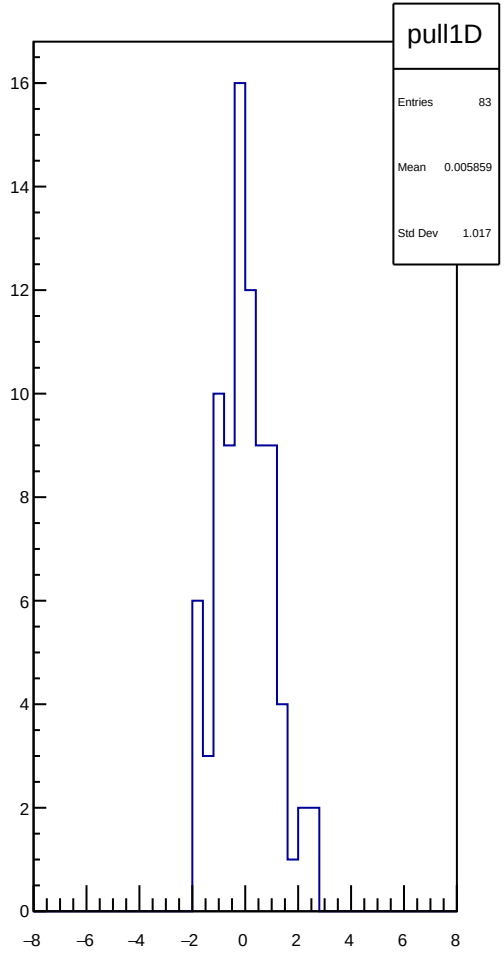
reg_asym_dsr_diff_bpm1X_slope vs run

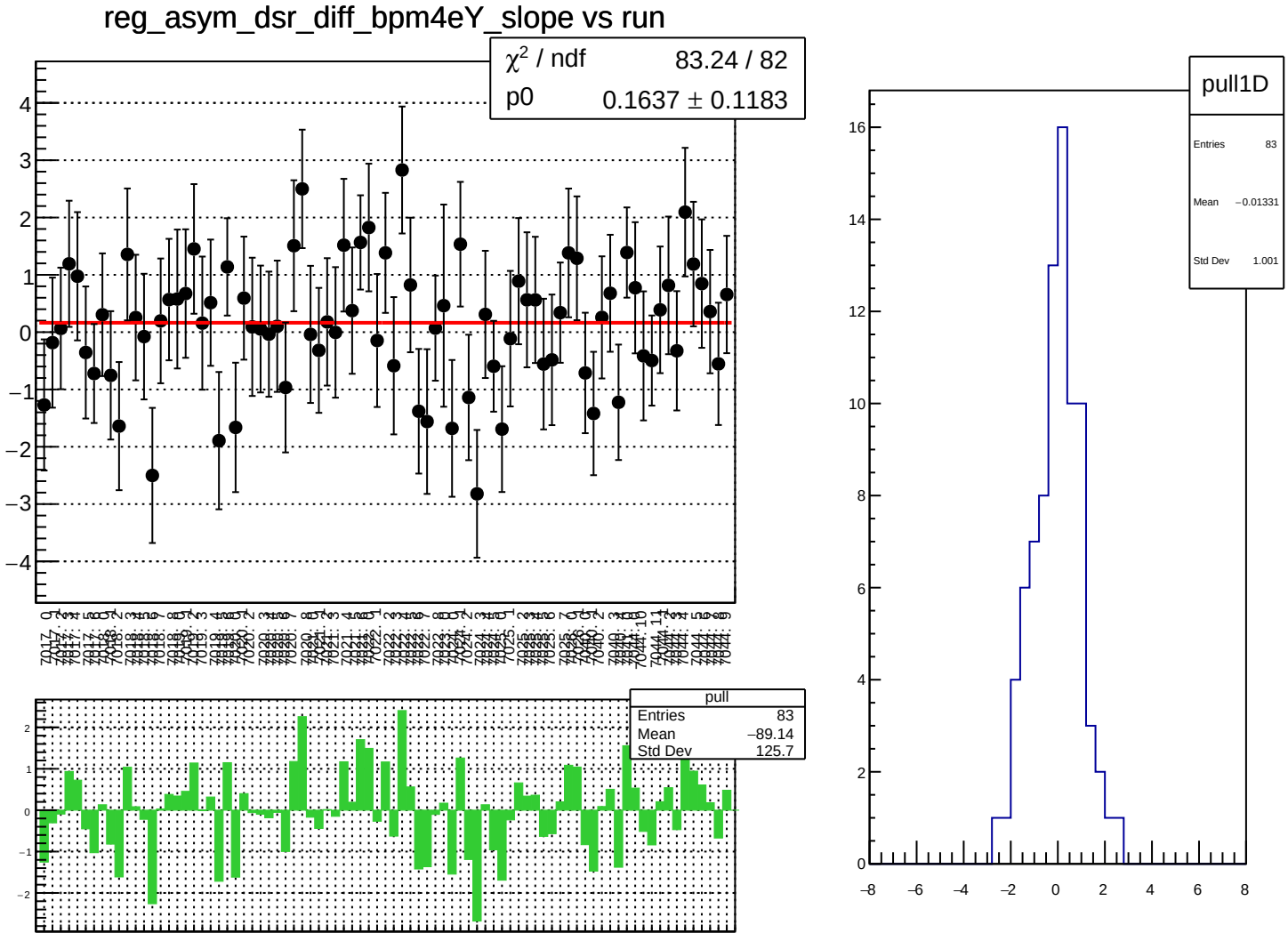


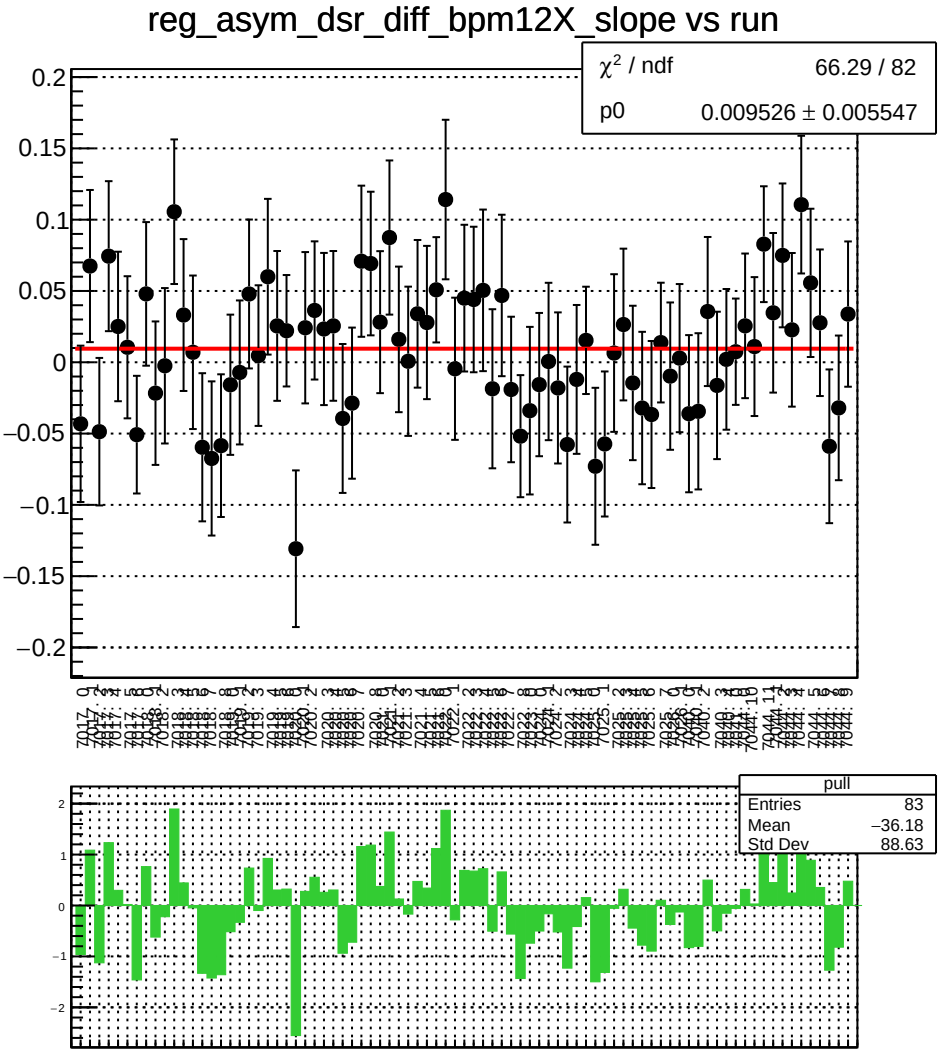


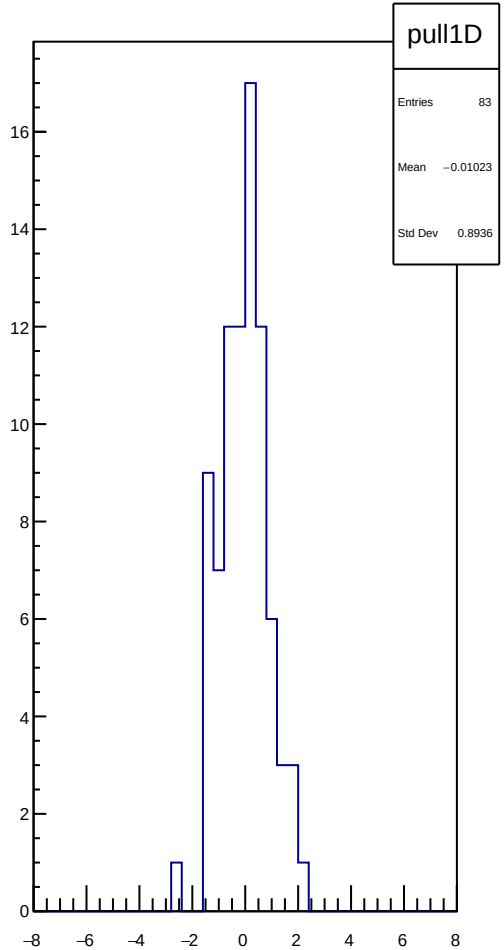

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 77.02 / 82
p0 −0.2112 ± 0.1091
pull
Entries 83
Mean −143.4
Std Dev 175.3
pull1D
Entries 83
Mean 0.01338
Std Dev 0.9632

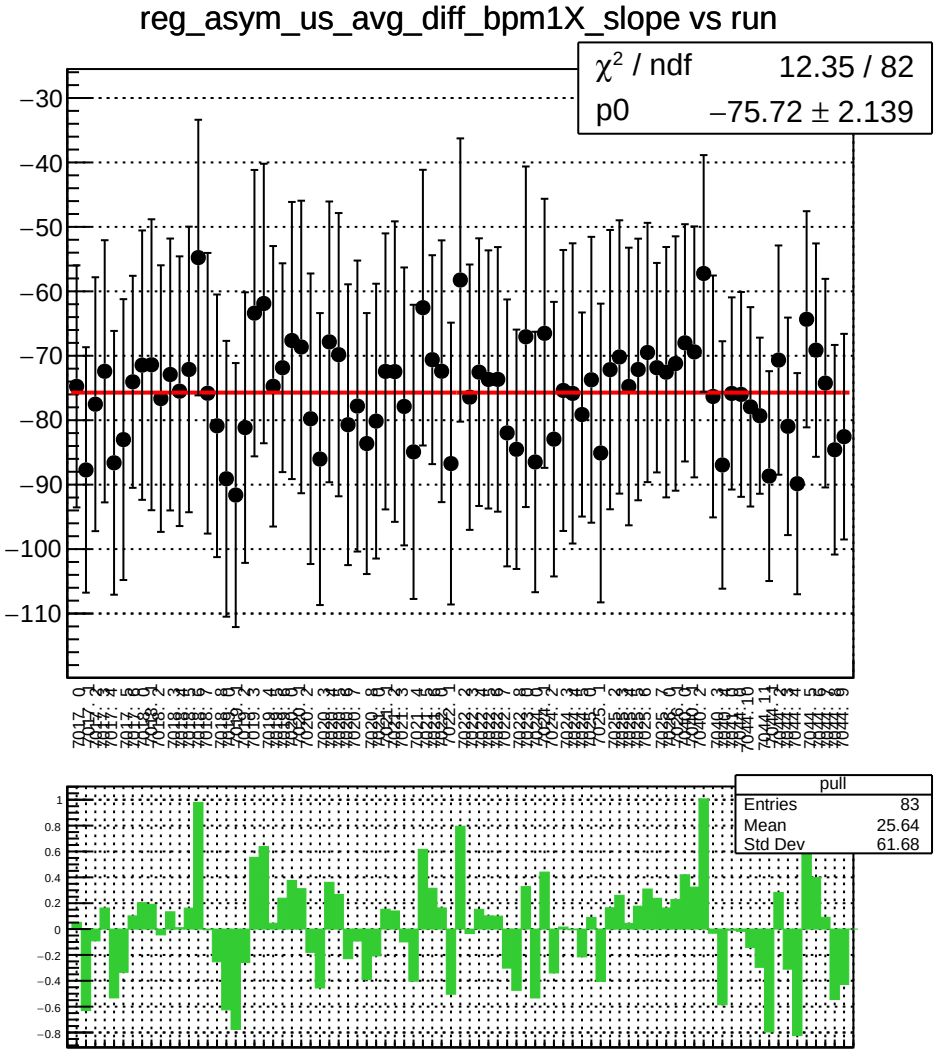

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 85.88 / 82
p0 −0.1627 ± 0.1521
pull
Entries 83
Mean 52.58
Std Dev 71.97

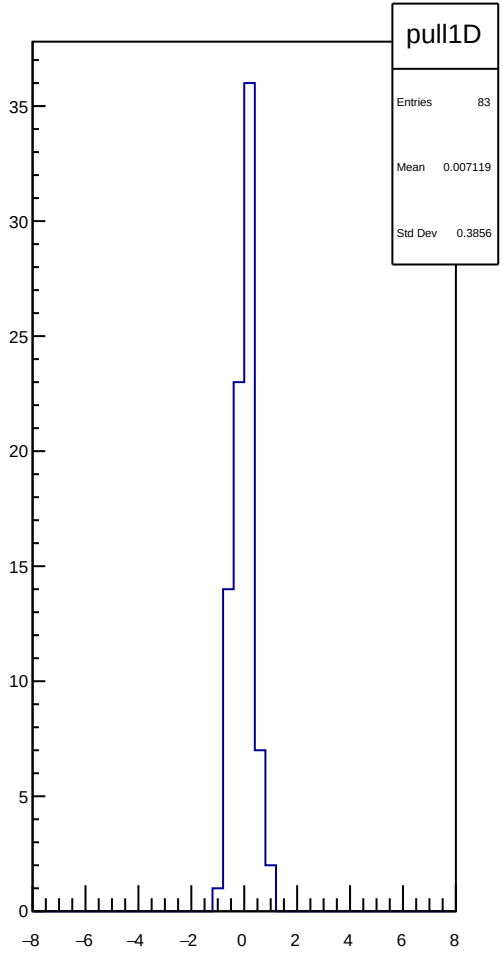

pull1D
Entries 83
Mean 0.005859
Std Dev 1.017

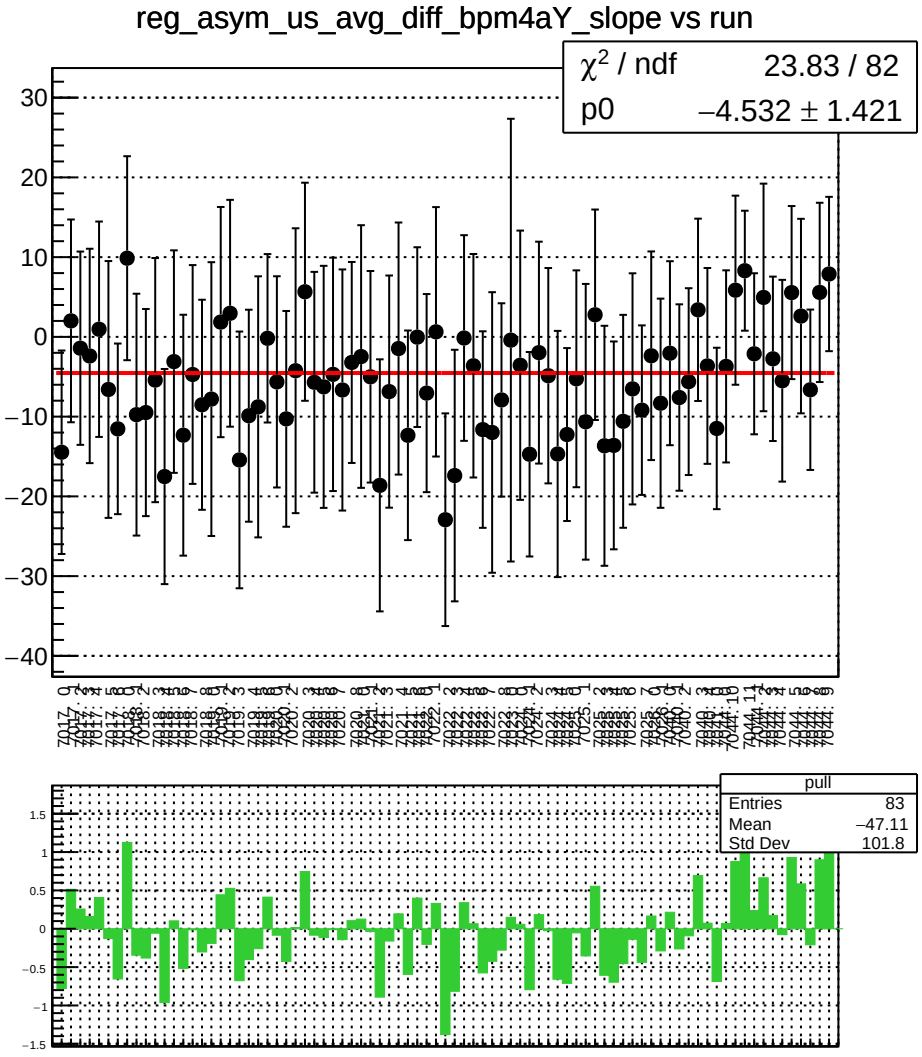

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 83.24 / 82
p0 0.1637 ± 0.1183
pull
Entries 83
Mean −89.14
Std Dev 125.7
pull1D
Entries 83
Mean −0.01331
Std Dev 1.001

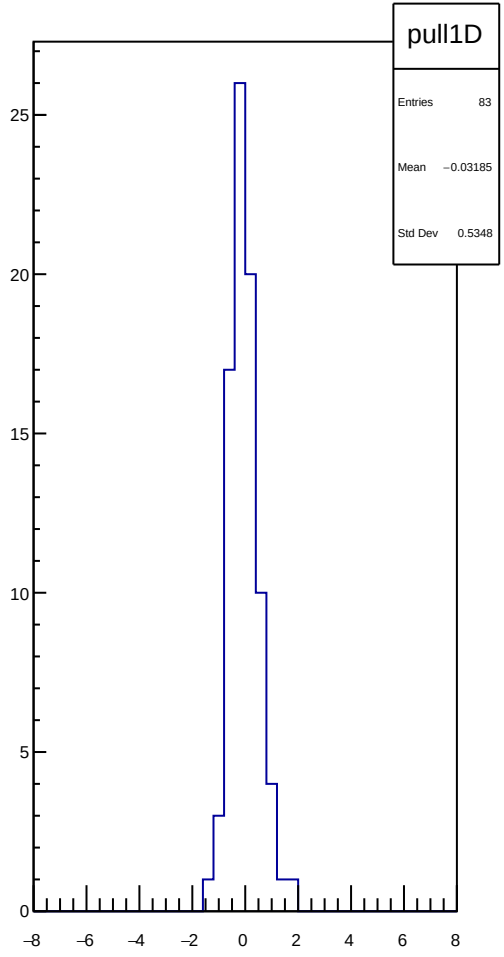

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 66.29 / 82
p0 0.009526 ± 0.005547
pull
Entries 83
Mean −36.18
Std Dev 88.63

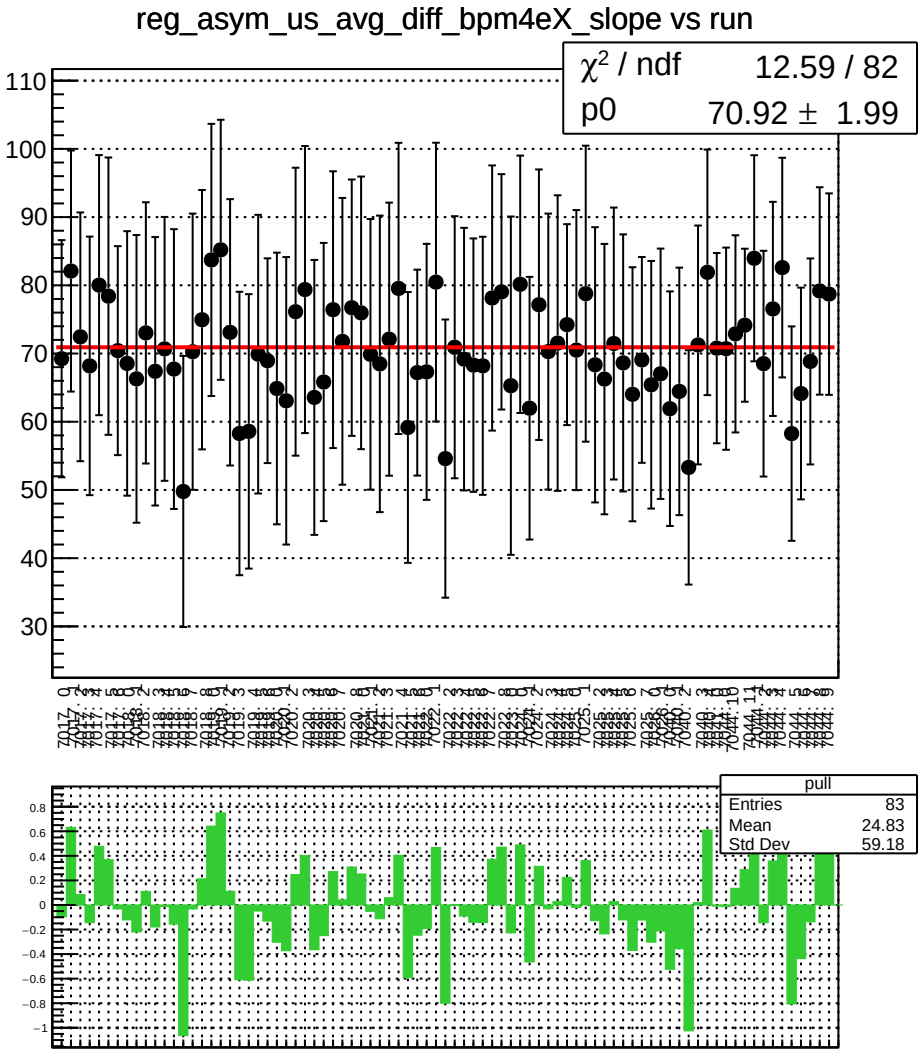

pull1D
Entries 83
Mean −0.01023
Std Dev 0.8936

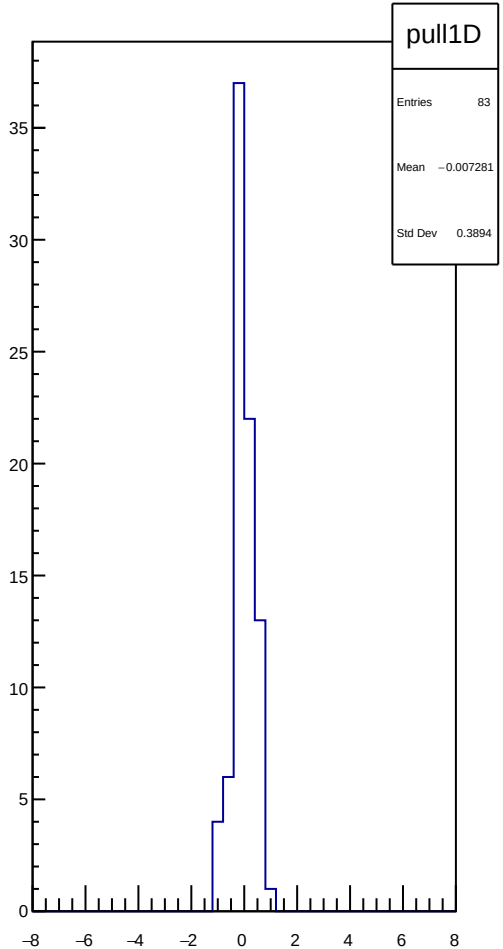

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.35 / 82
p0 −75.72 ± 2.139
pull
Entries 83
Mean 25.64
Std Dev 61.68

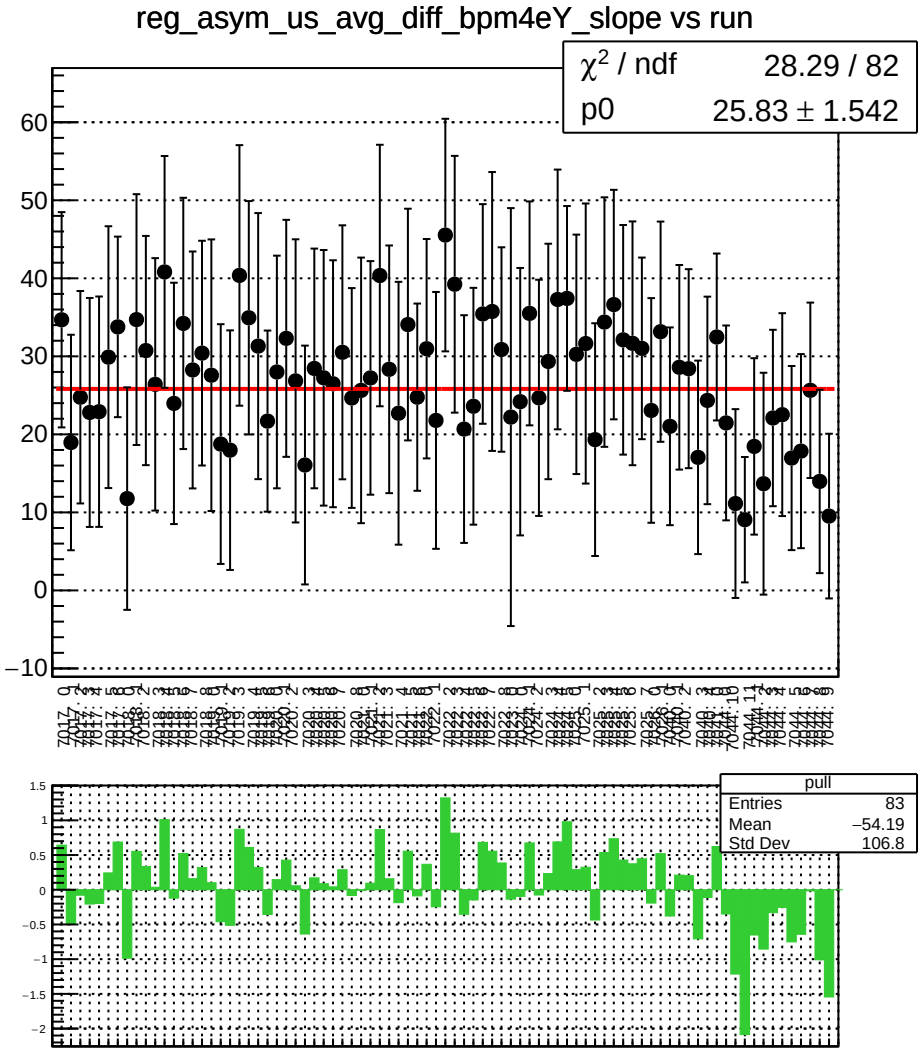

pull1D
Entries 83
Mean 0.007119
Std Dev 0.3856

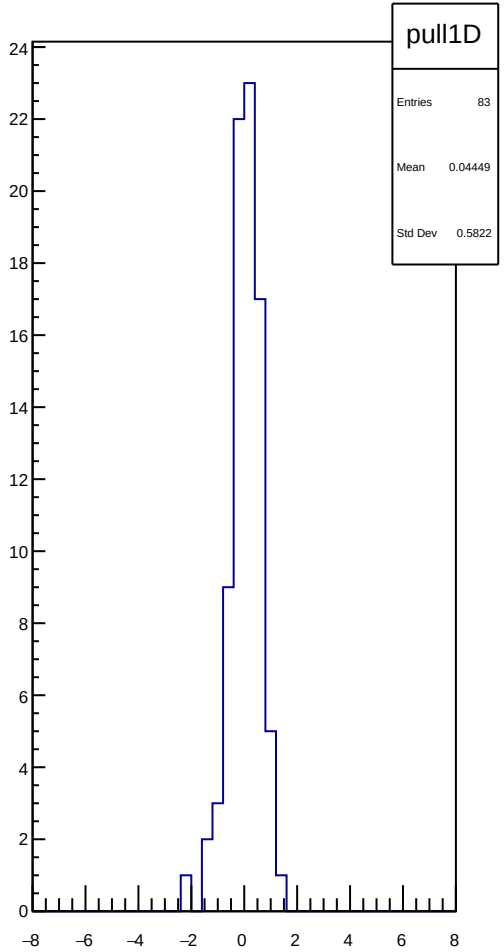

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.83 / 82
p0 −4.532 ± 1.421
pull
Entries 83
Mean −47.11
Std Dev 101.8

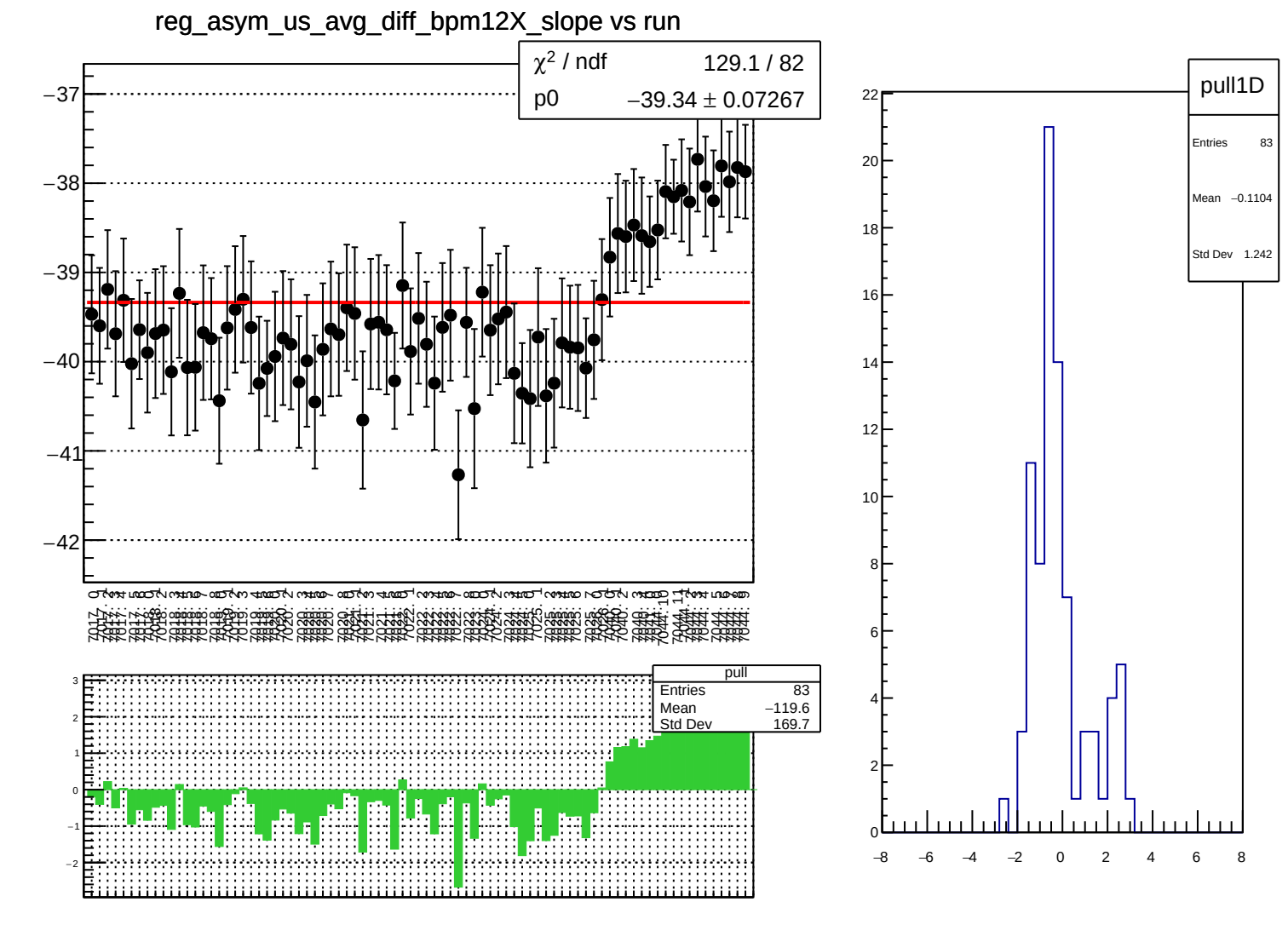

pull1D
Entries 83
Mean −0.03185
Std Dev 0.5348

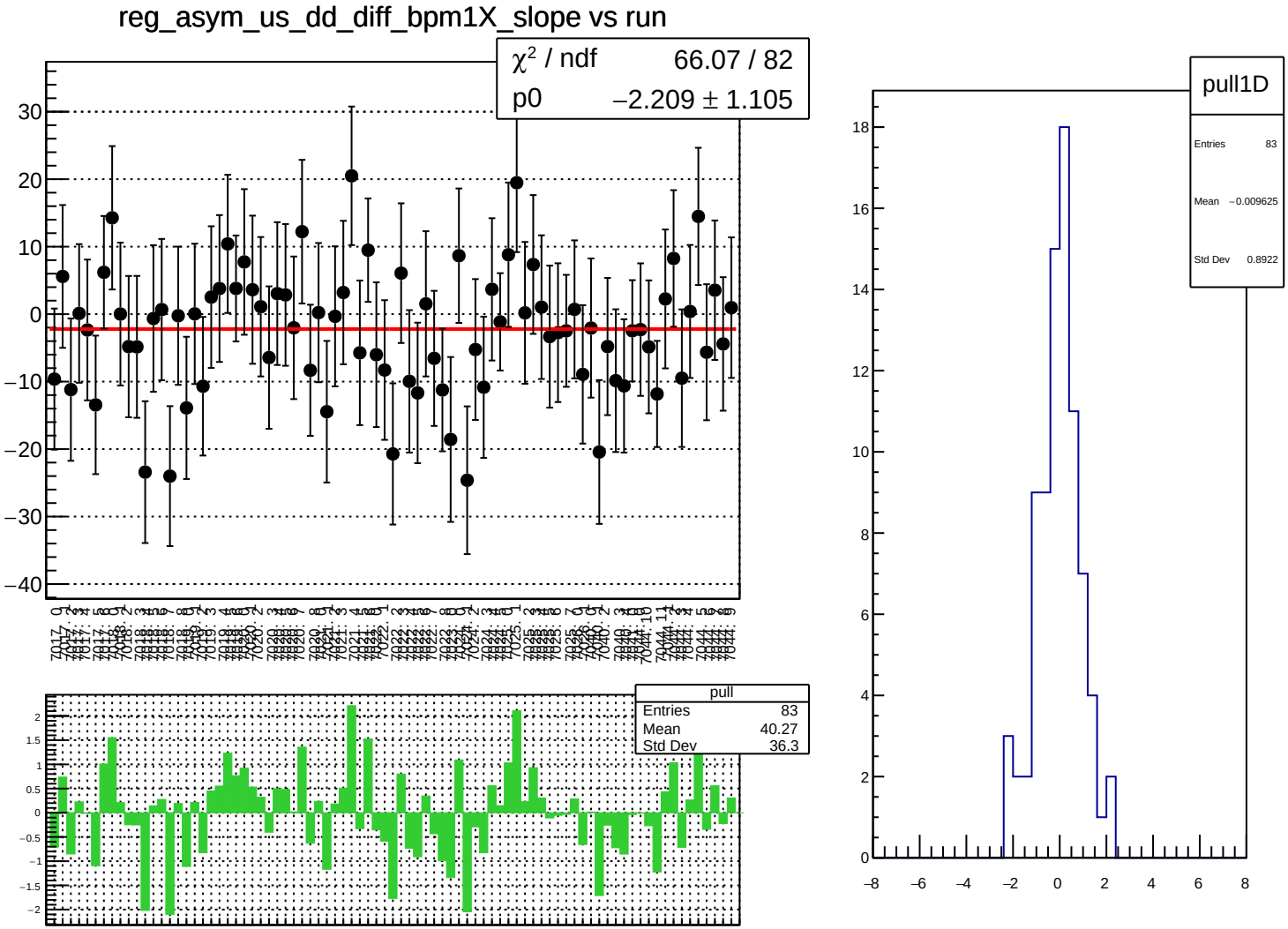

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.59 / 82
p0 70.92 ± 1.99
pull
Entries 83
Mean 24.83
Std Dev 59.18

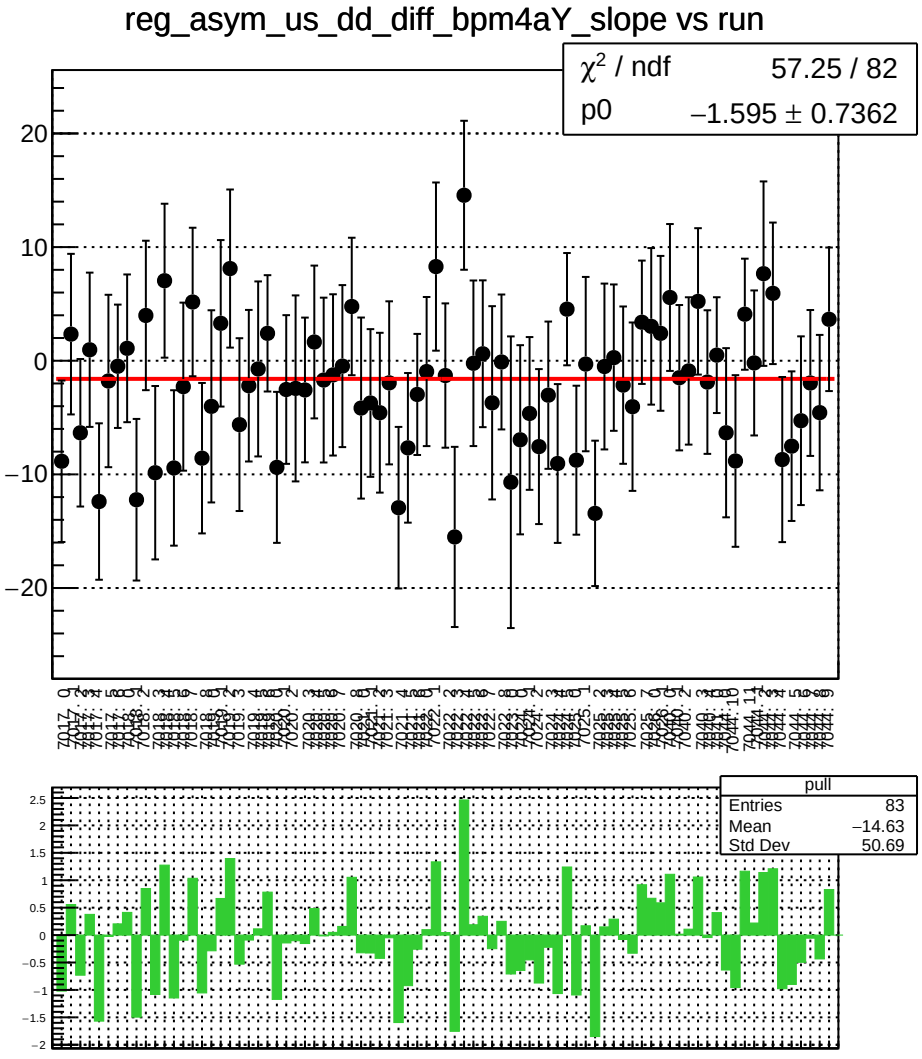

pull1D
Entries 83
Mean −0.007281
Std Dev 0.3894

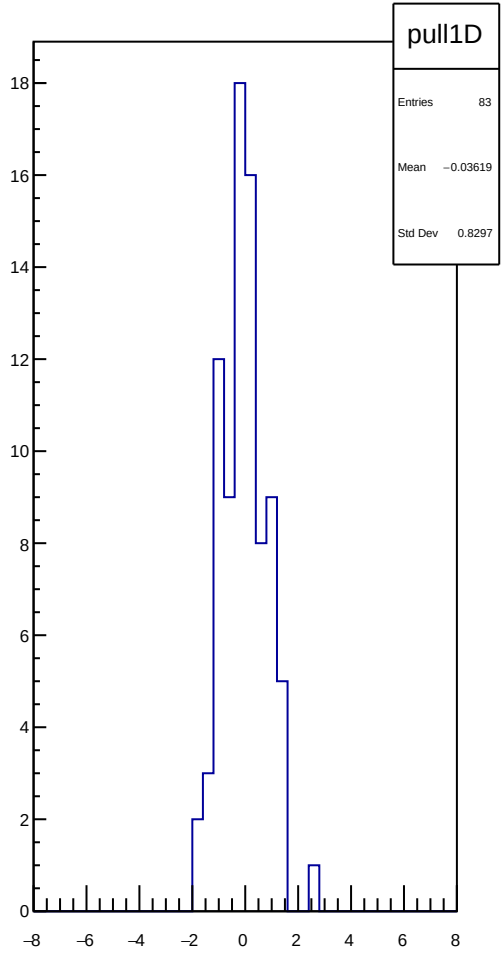

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.29 / 82
p0 25.83 ± 1.542
pull
Entries 83
Mean −54.19
Std Dev 106.8

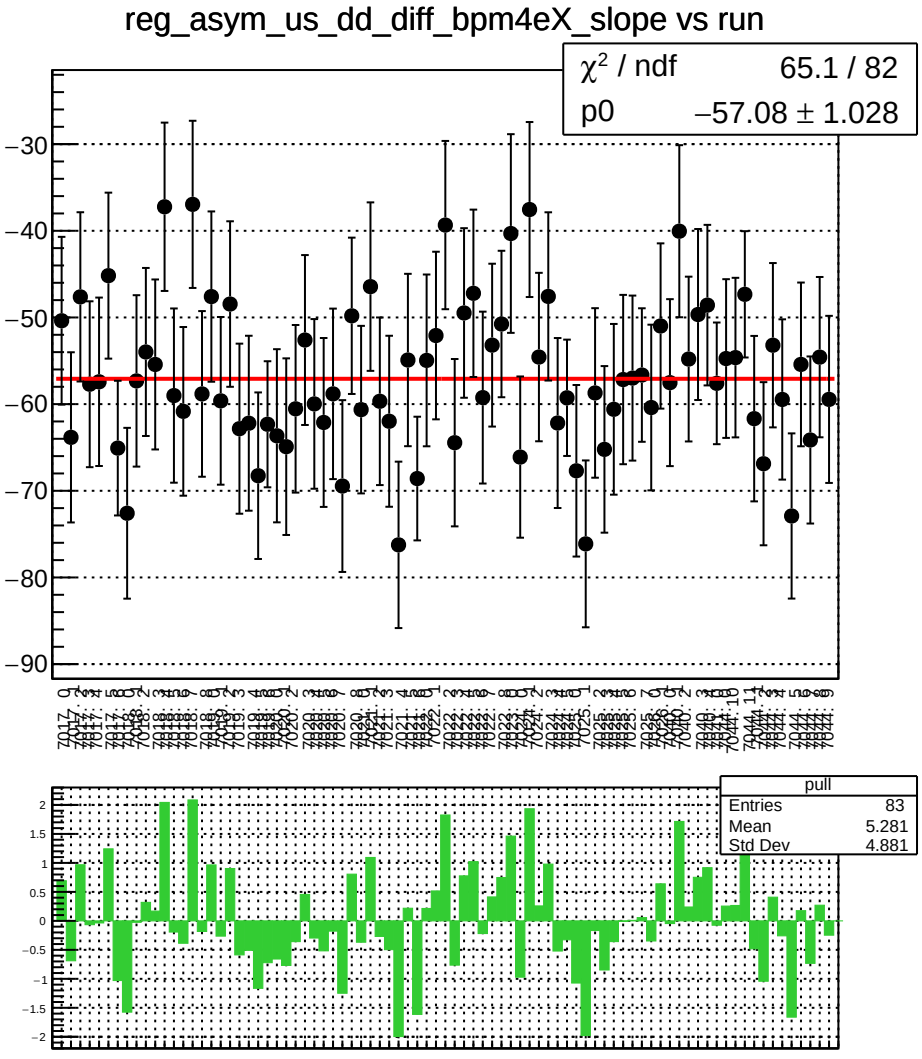

pull1D
Entries 83
Mean 0.04449
Std Dev 0.5822

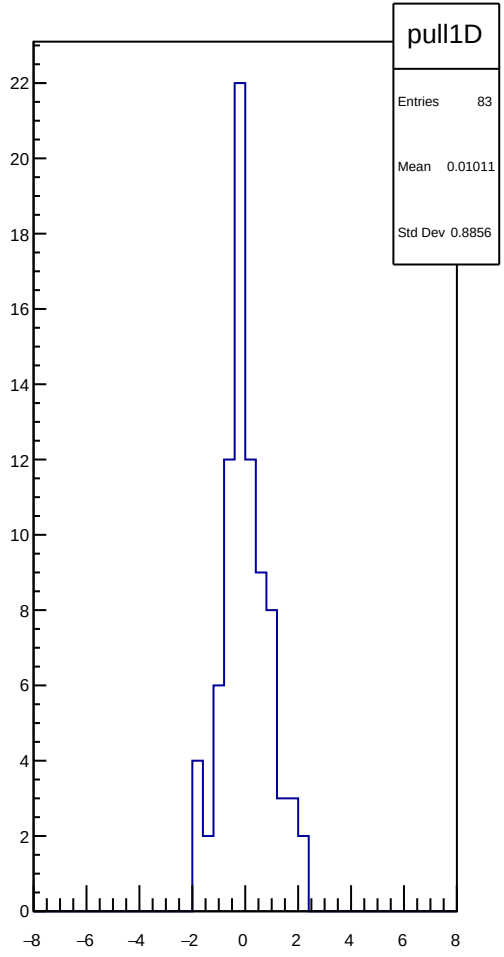

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 129.1 / 82
p0 −39.34 ± 0.07267
pull
Entries 83
Mean −119.6
Std Dev 169.7
pull1D
Entries 83
Mean −0.1104
Std Dev 1.242

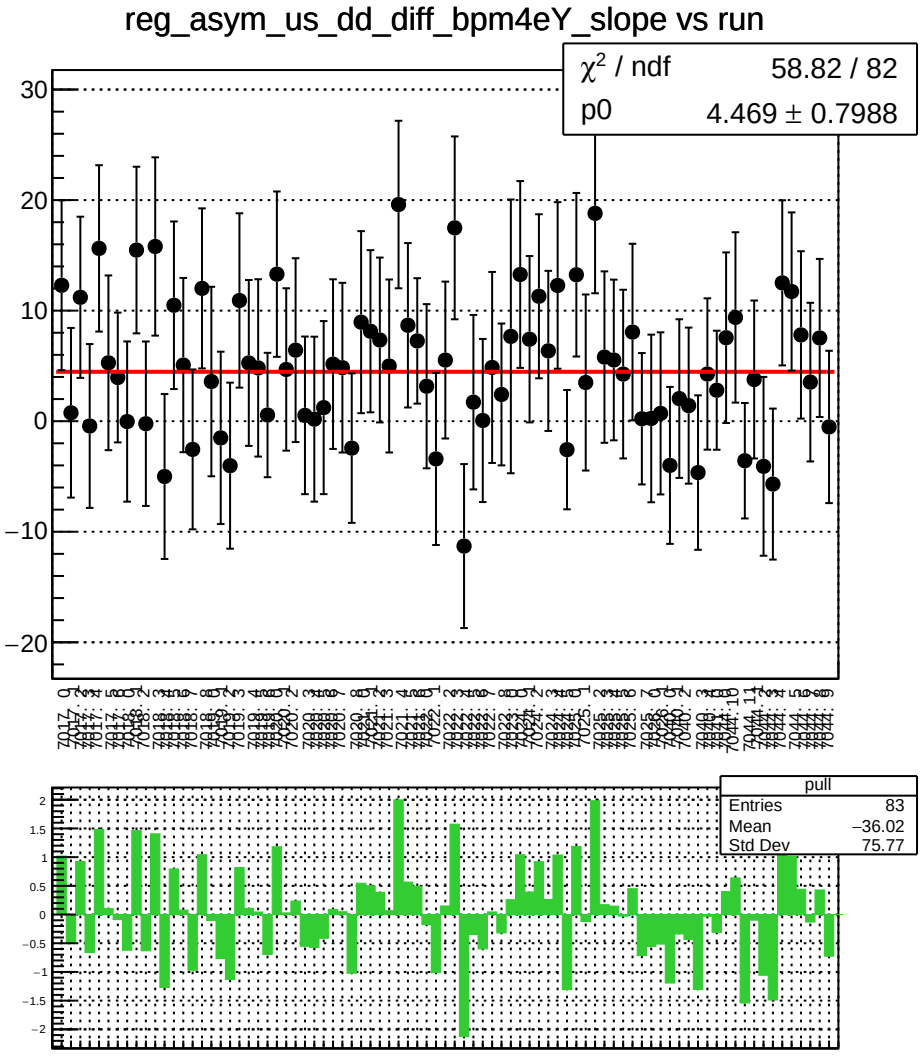

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 66.07 / 82
p0 −2.209 ± 1.105
pull
Entries 83
Mean 40.27
Std Dev 36.3
pull1D
Entries 83
Mean −0.009625
Std Dev 0.8922

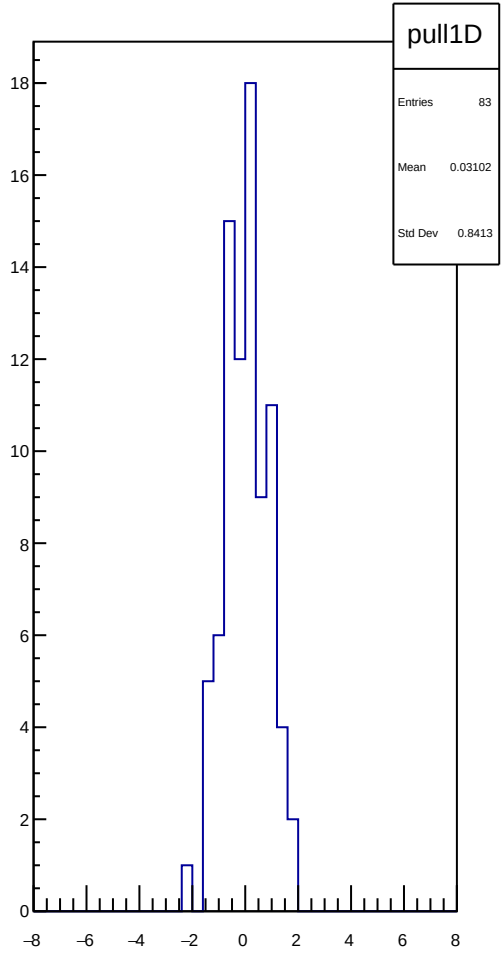

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.25 / 82
p0 −1.595 ± 0.7362
pull
Entries 83
Mean −14.63
Std Dev 50.69

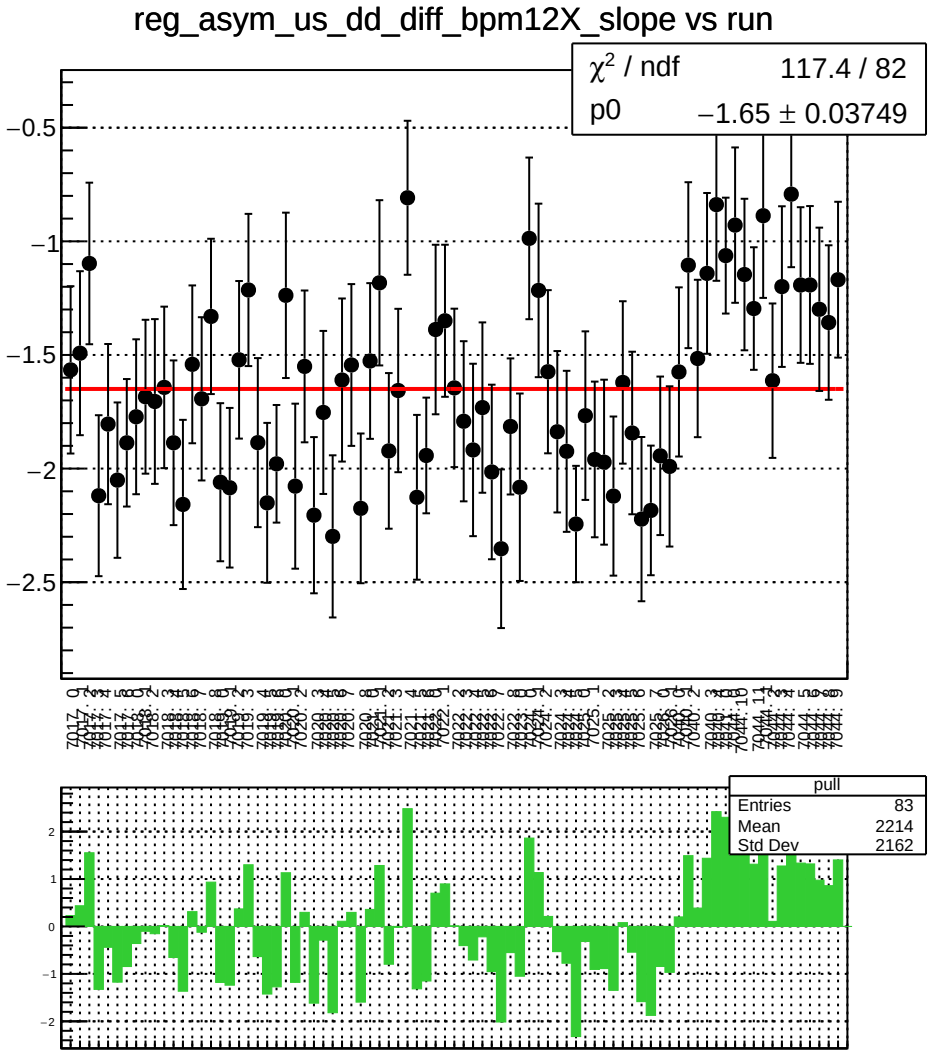

pull1D
Entries 83
Mean −0.03619
Std Dev 0.8297

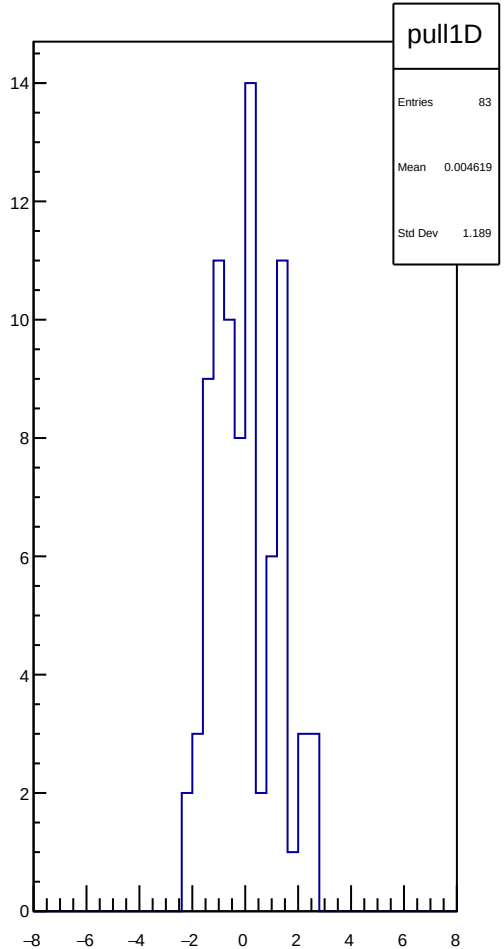

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 65.1 / 82
p0 −57.08 ± 1.028
pull
Entries 83
Mean 5.281
Std Dev 4.881


pull1D
Entries 83
Mean 0.01011
Std Dev 0.8856

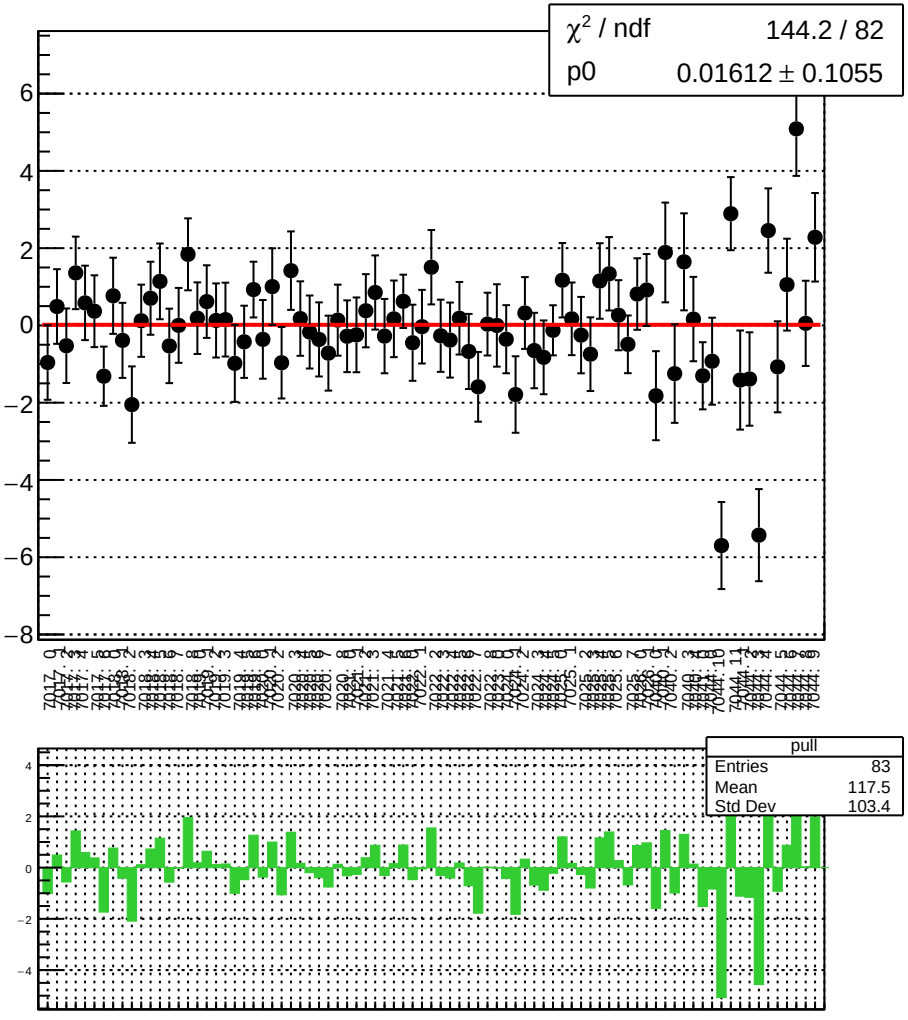

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.82 / 82
p0 4.469 ± 0.7988
pull
Entries 83
Mean −36.02
Std Dev 75.77

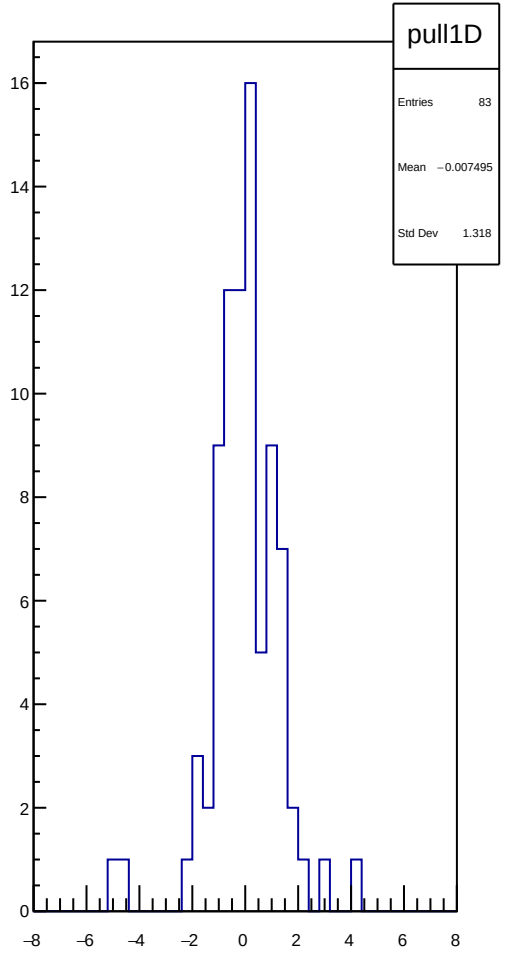

pull1D
Entries 83
Mean 0.03102
Std Dev 0.8413

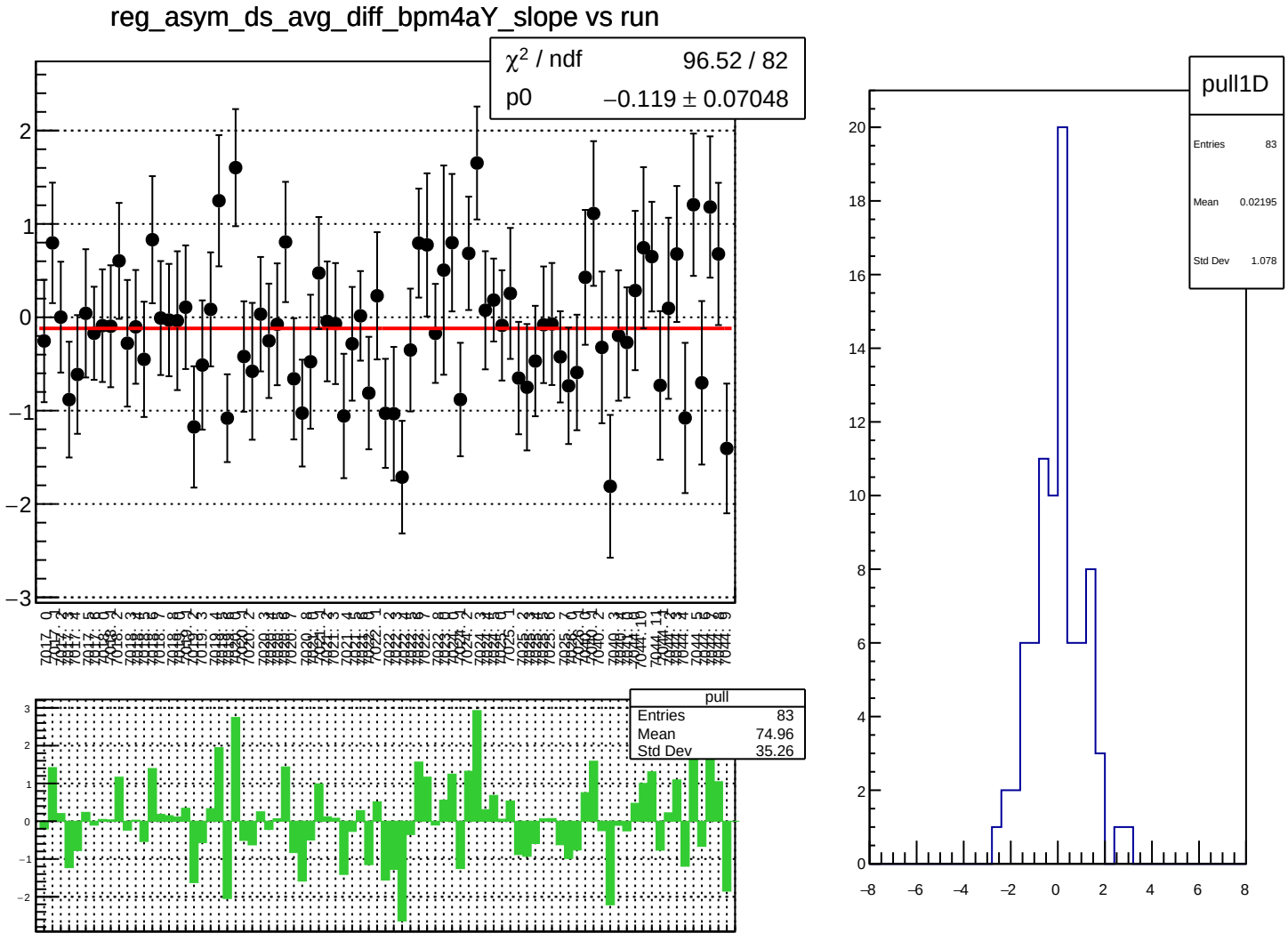

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 117.4 / 82
p0 −1.65 ± 0.03749
pull
Entries 83
Mean 2214
Std Dev 2162

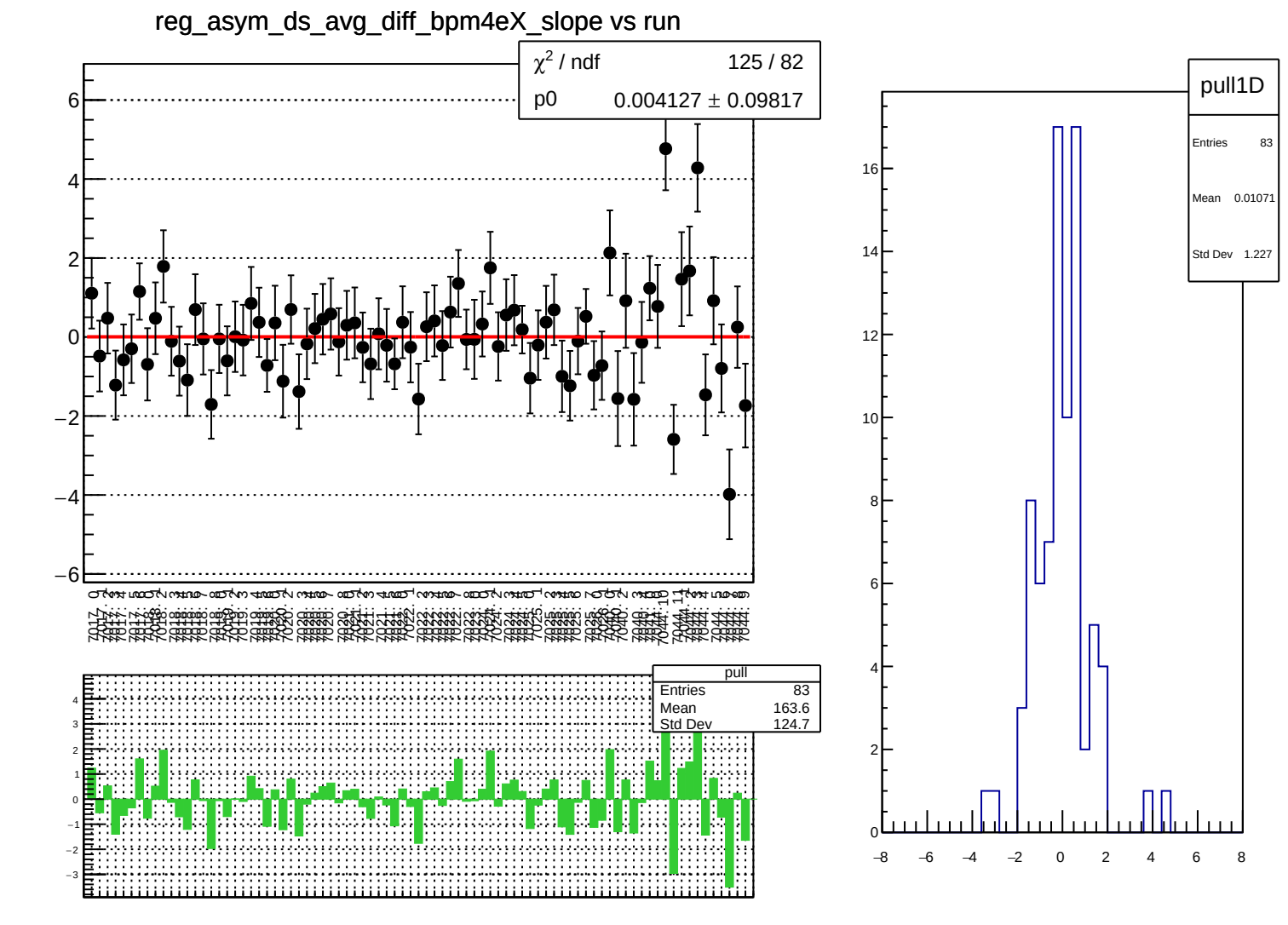

pull1D
Entries 83
Mean 0.004619
Std Dev 1.189

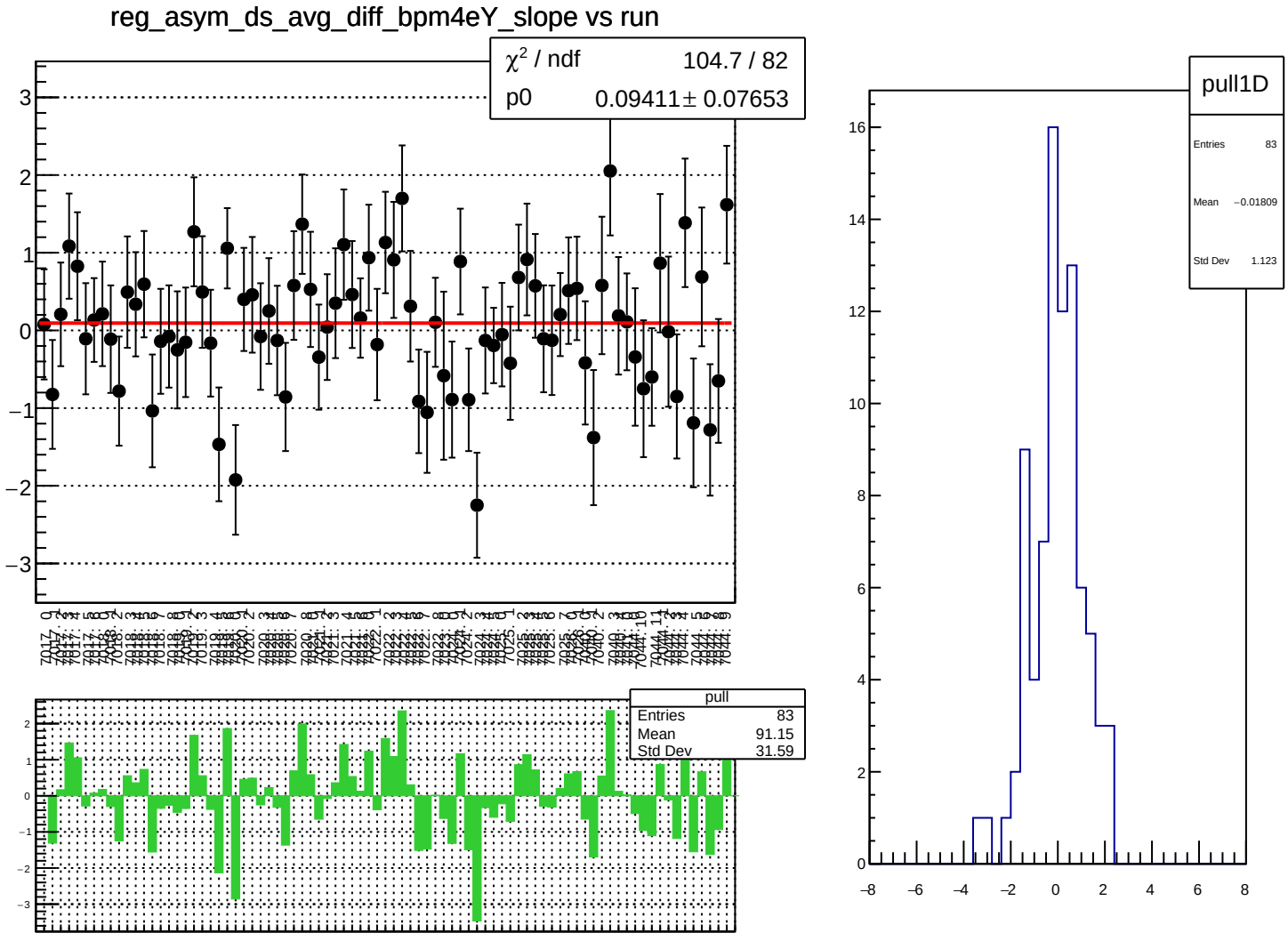
reg_asym_ds_avg_diff_bpm1X_slope vs run

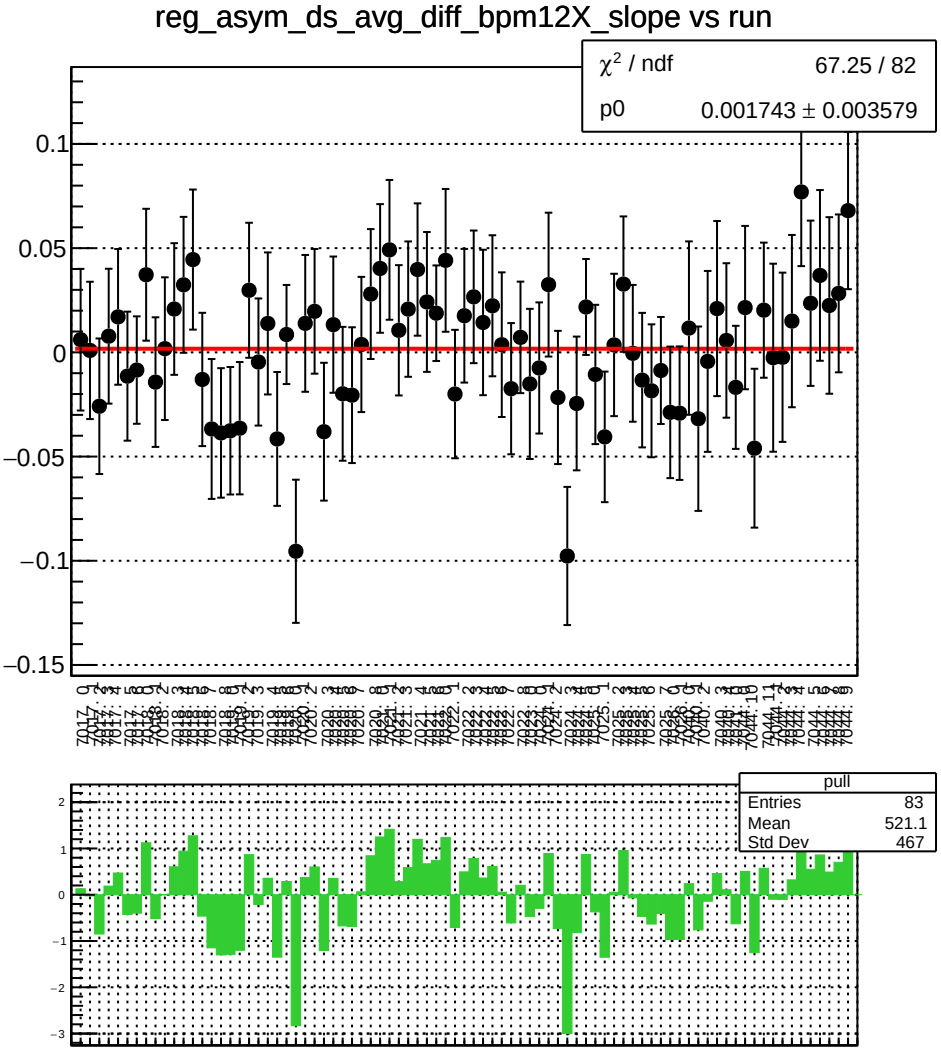


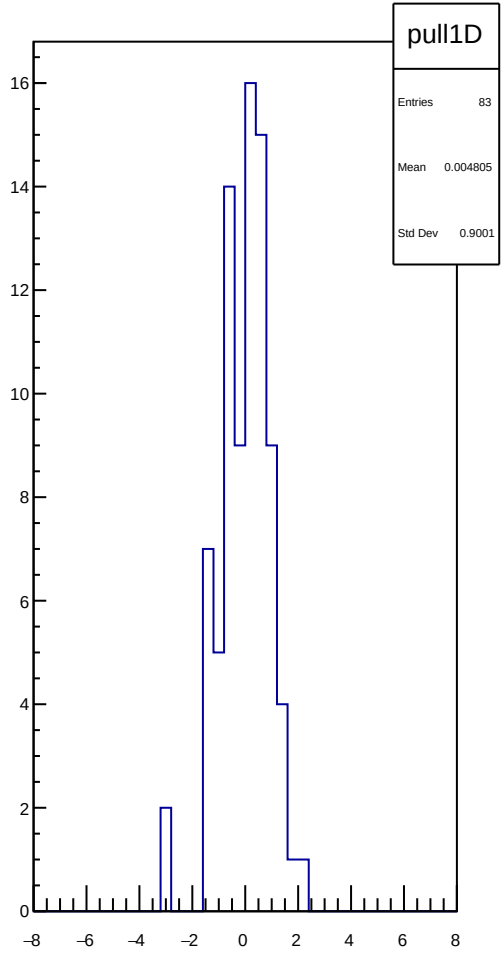


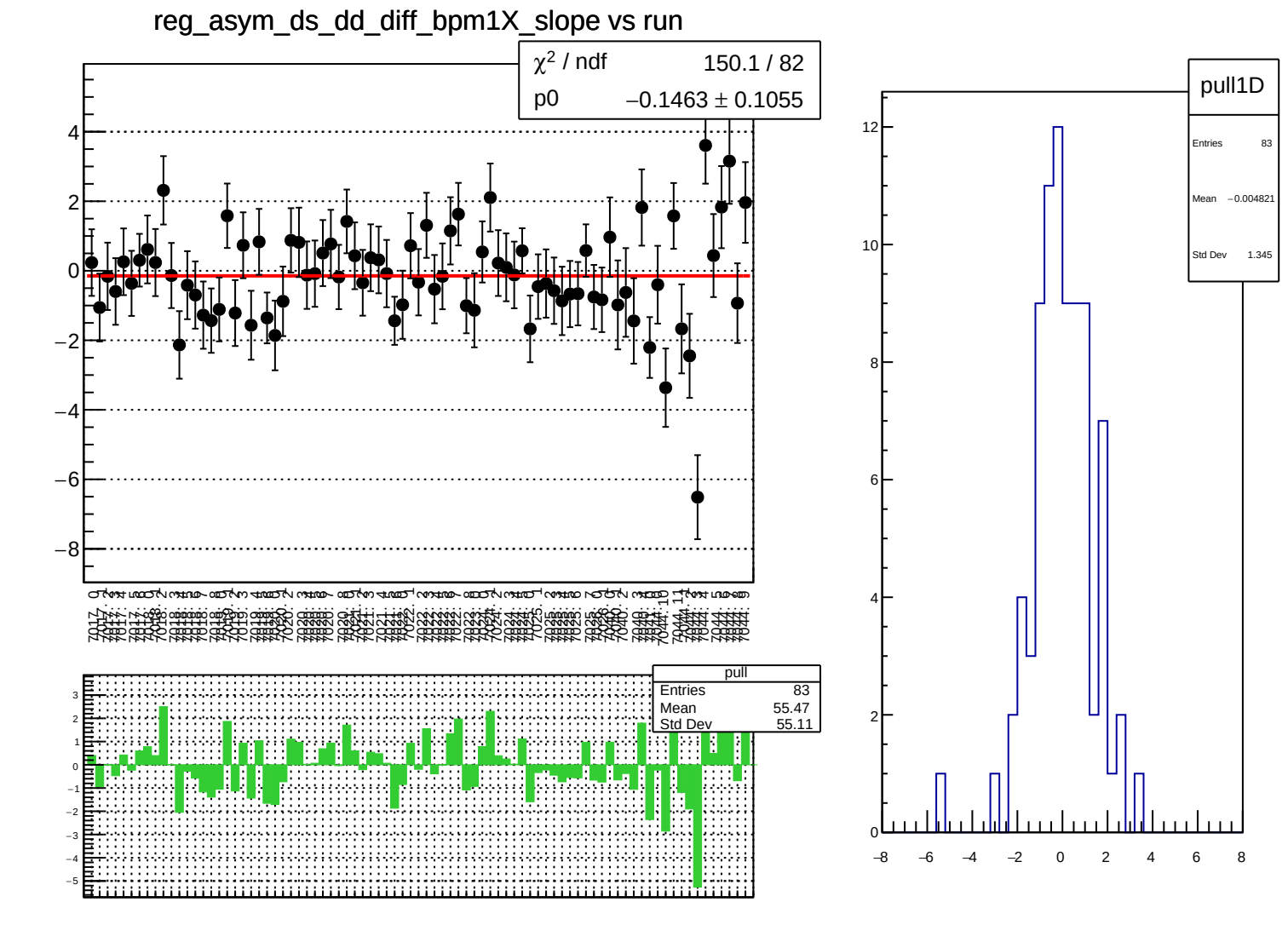

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 96.52 / 82
p0 −0.119 ± 0.07048
pull
Entries 83
Mean 74.96
Std Dev 35.26
pull1D
Entries 83
Mean 0.02195
Std Dev 1.078

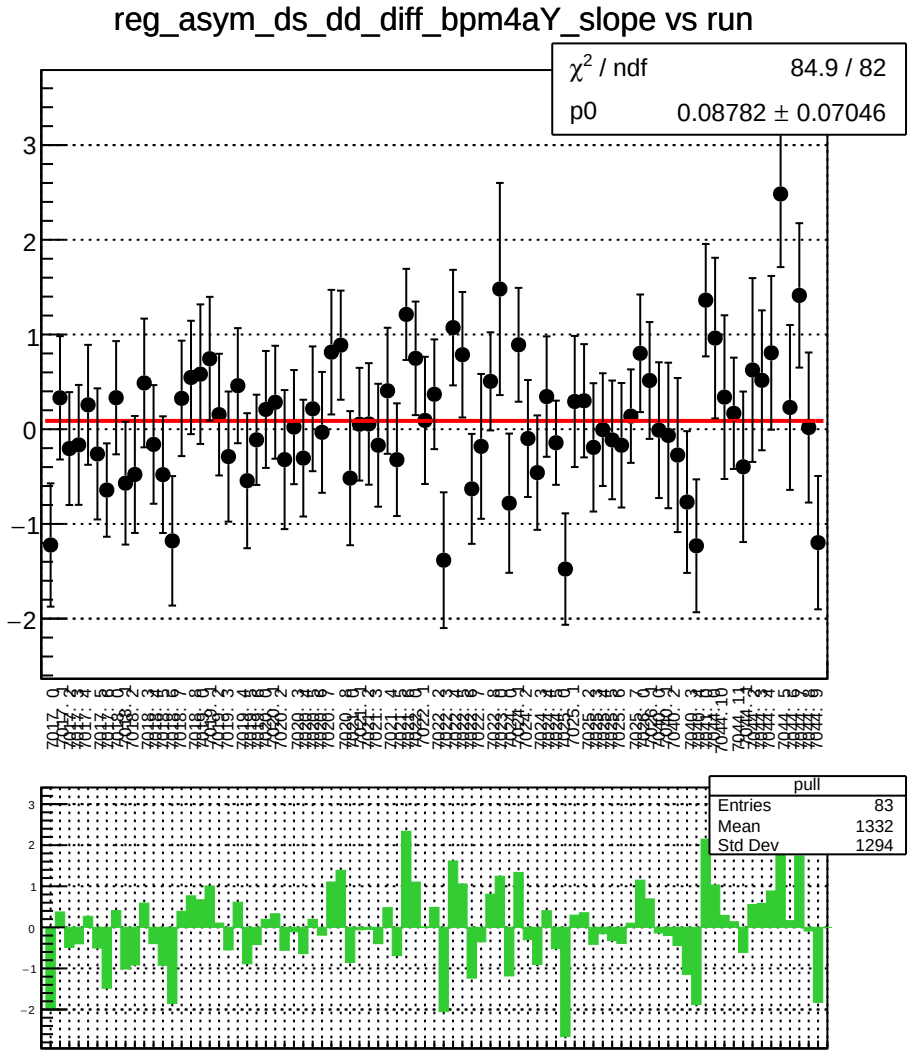

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ2 / ndf 125 / 82
p0 0.004127 ± 0.09817
pull
Entries 83
Mean 163.6
Std Dev 124.7
pull1D
Entries 83
Mean 0.01071
Std Dev 1.227

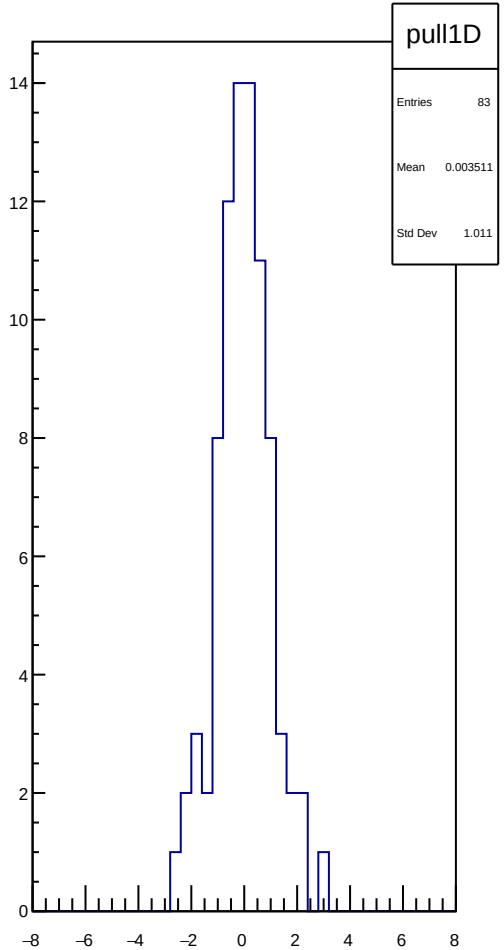

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 104.7 / 82
p0 0.09411 ± 0.07653
pull
Entries 83
Mean 91.15
Std Dev 31.59
pull1D
Entries 83
Mean −0.01809
Std Dev 1.123


reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 67.25 / 82
p0 0.001743 ± 0.003579
pull
Entries 83
Mean 521.1
Std Dev 467

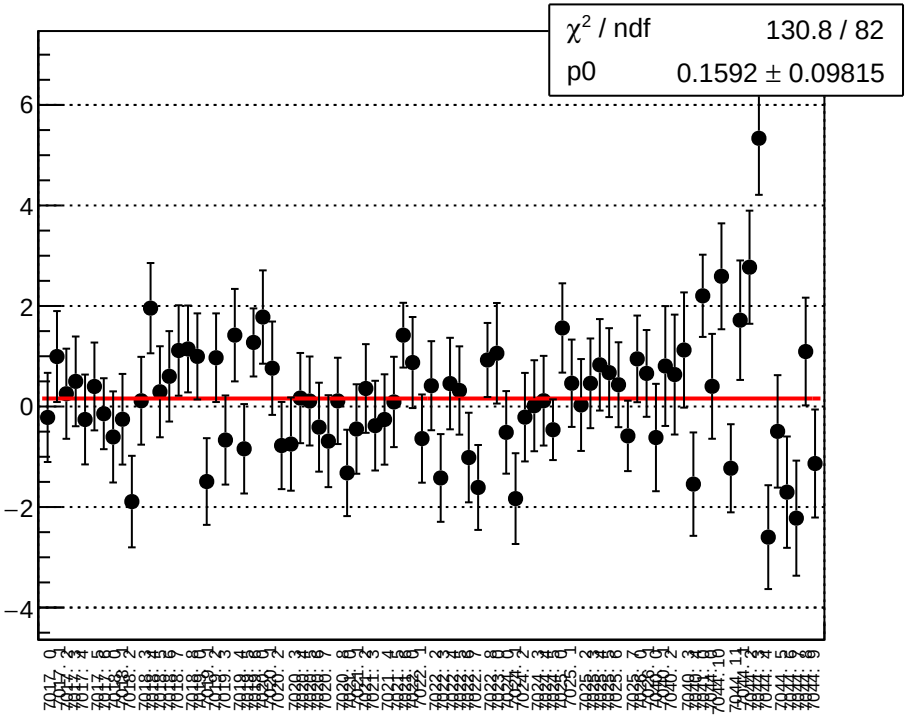

pull1D
Entries 83
Mean 0.004805
Std Dev 0.9001

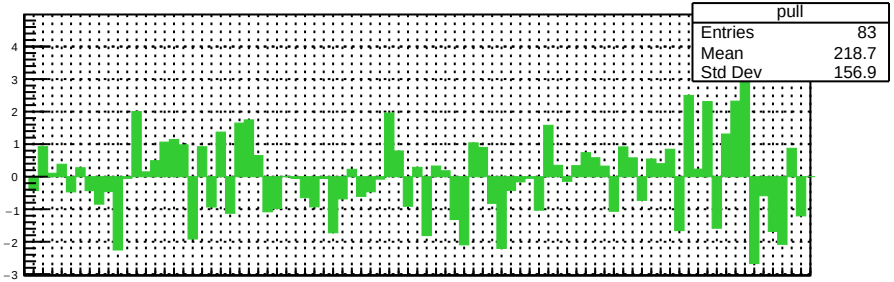

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 150.1 / 82
p0 −0.1463 ± 0.1055
pull
Entries 83
Mean 55.47
Std Dev 55.11
pull1D
Entries 83
Mean −0.004821
Std Dev 1.345

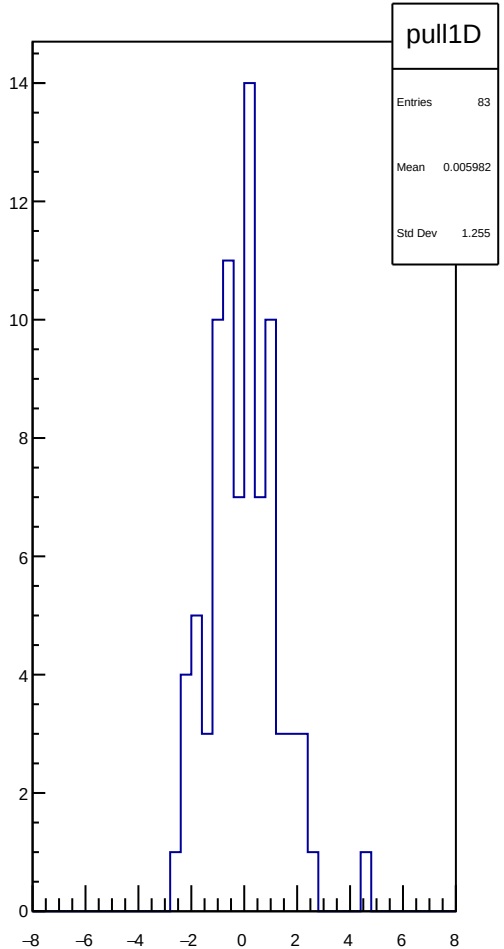

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ2 / ndf 84.9 / 82
p0 0.08782 ± 0.07046
pull
Entries 83
Mean 1332
Std Dev 1294

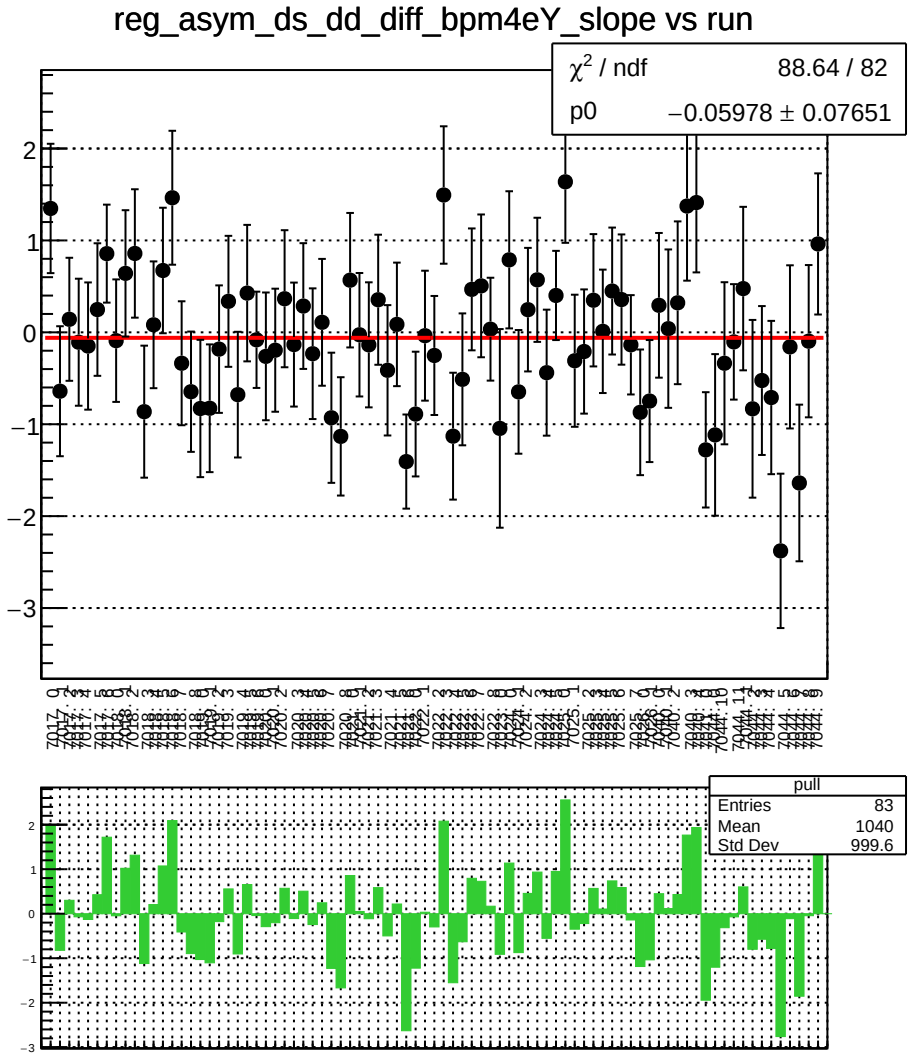

pull1D
Entries 83
Mean 0.003511
Std Dev 1.011

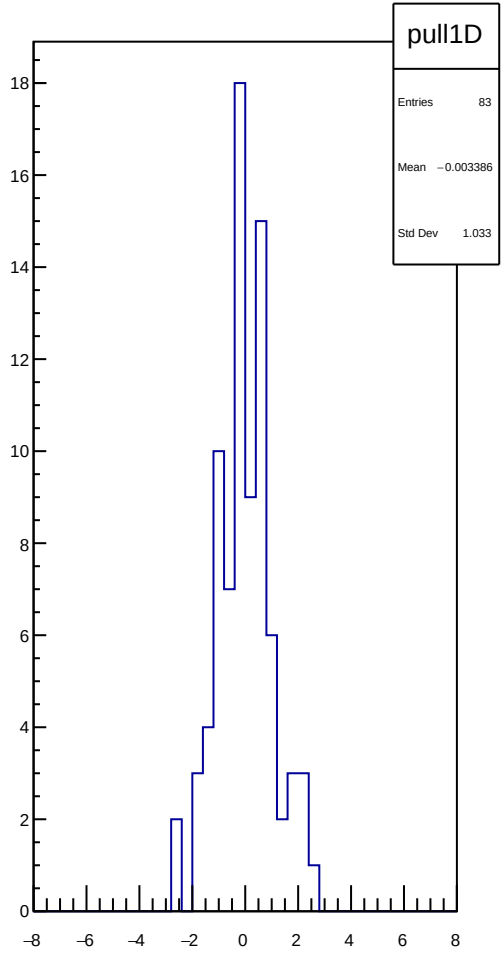
reg_asym_ds_dd_diff_bpm4eX_slope vs run

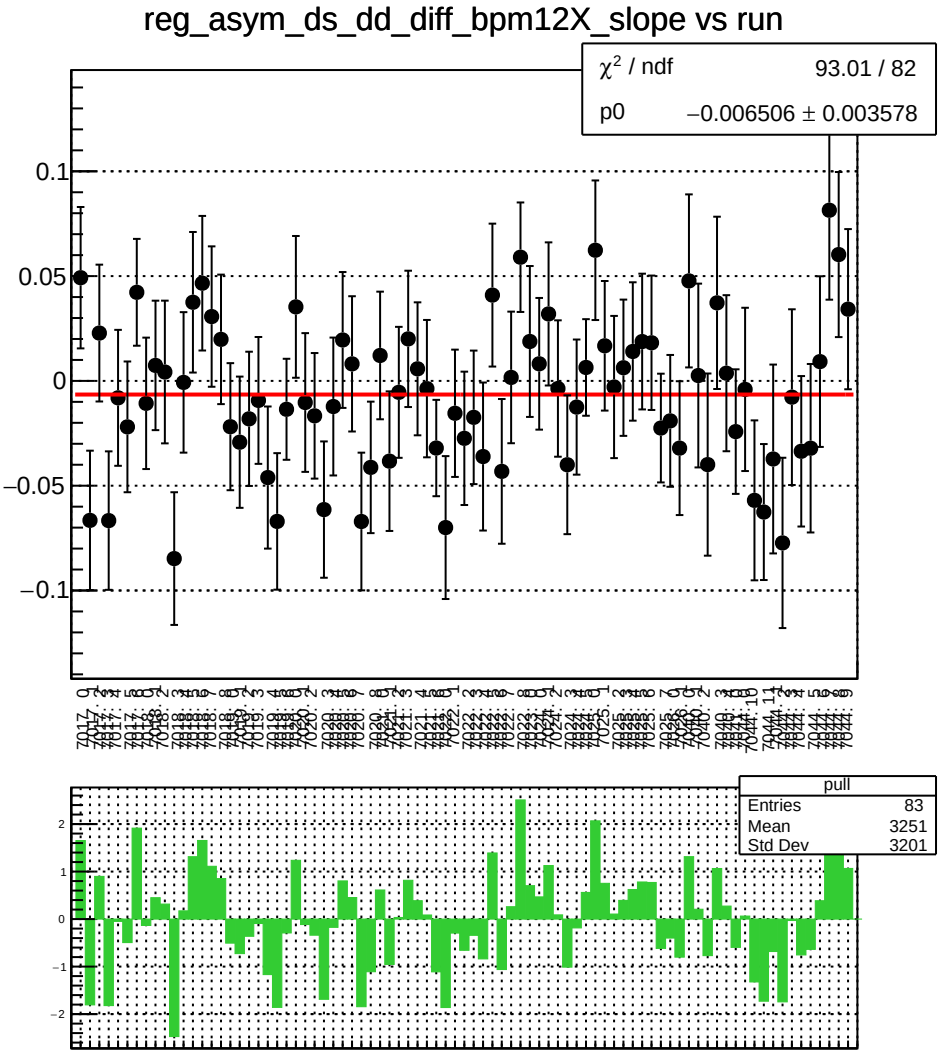


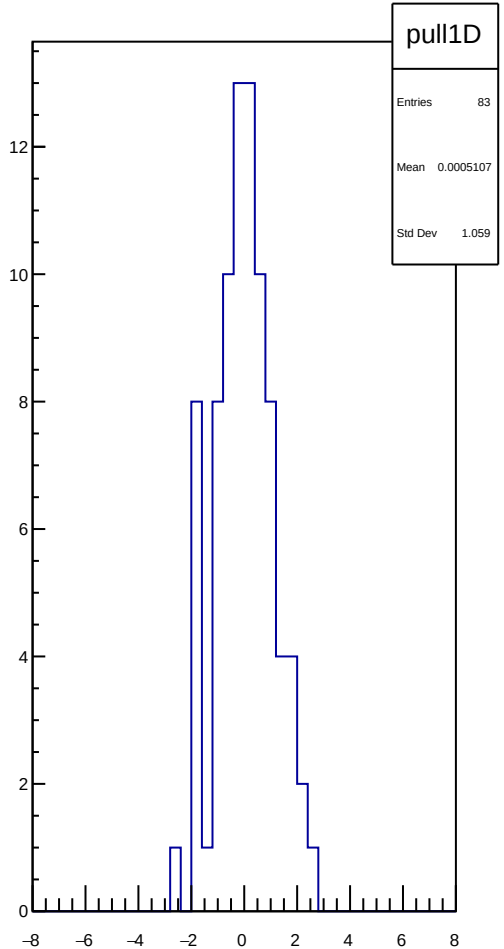


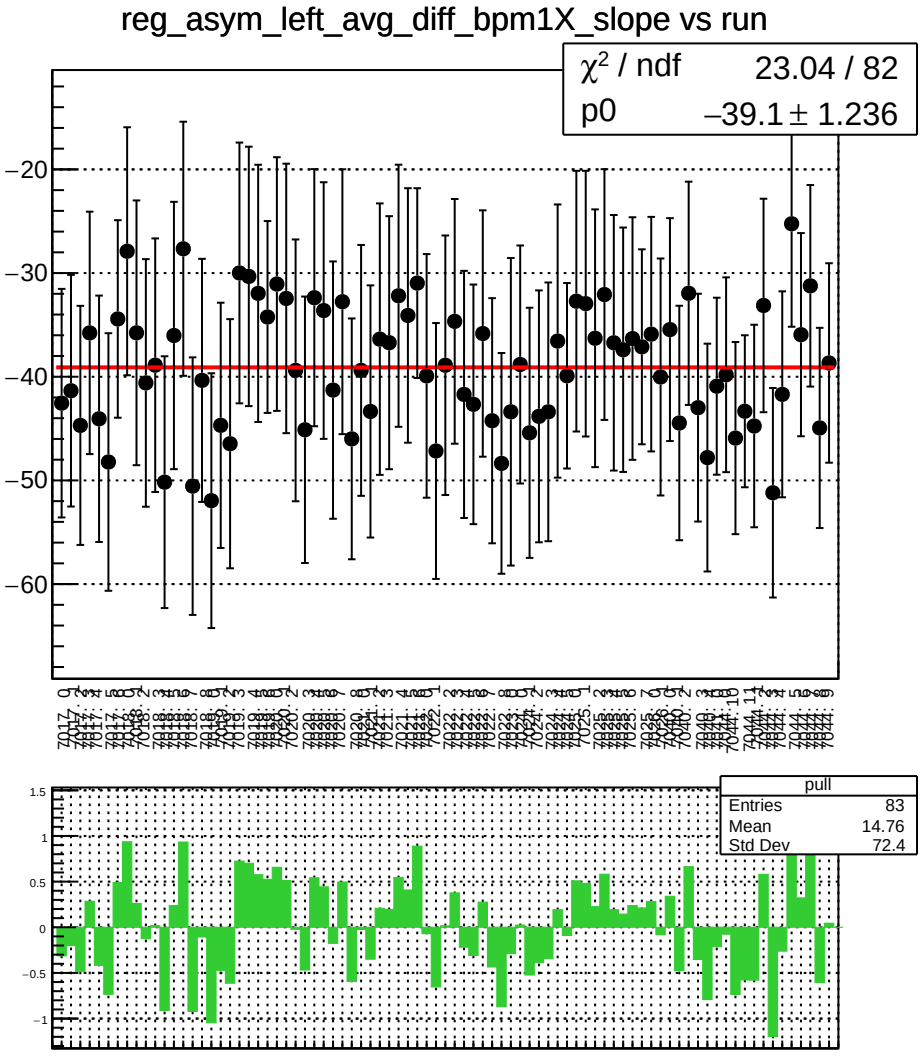


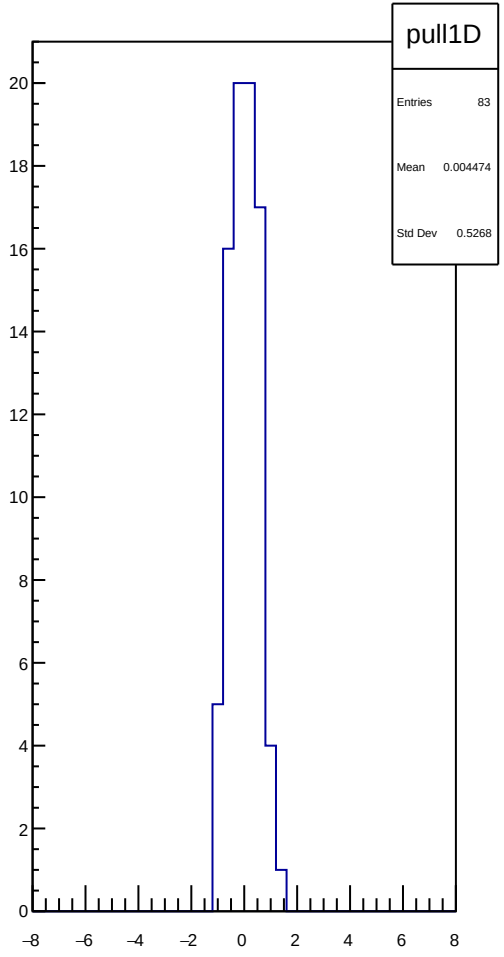

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 88.64 / 82
p0 −0.05978 ± 0.07651
pull
Entries 83
Mean 1040
Std Dev 999.6

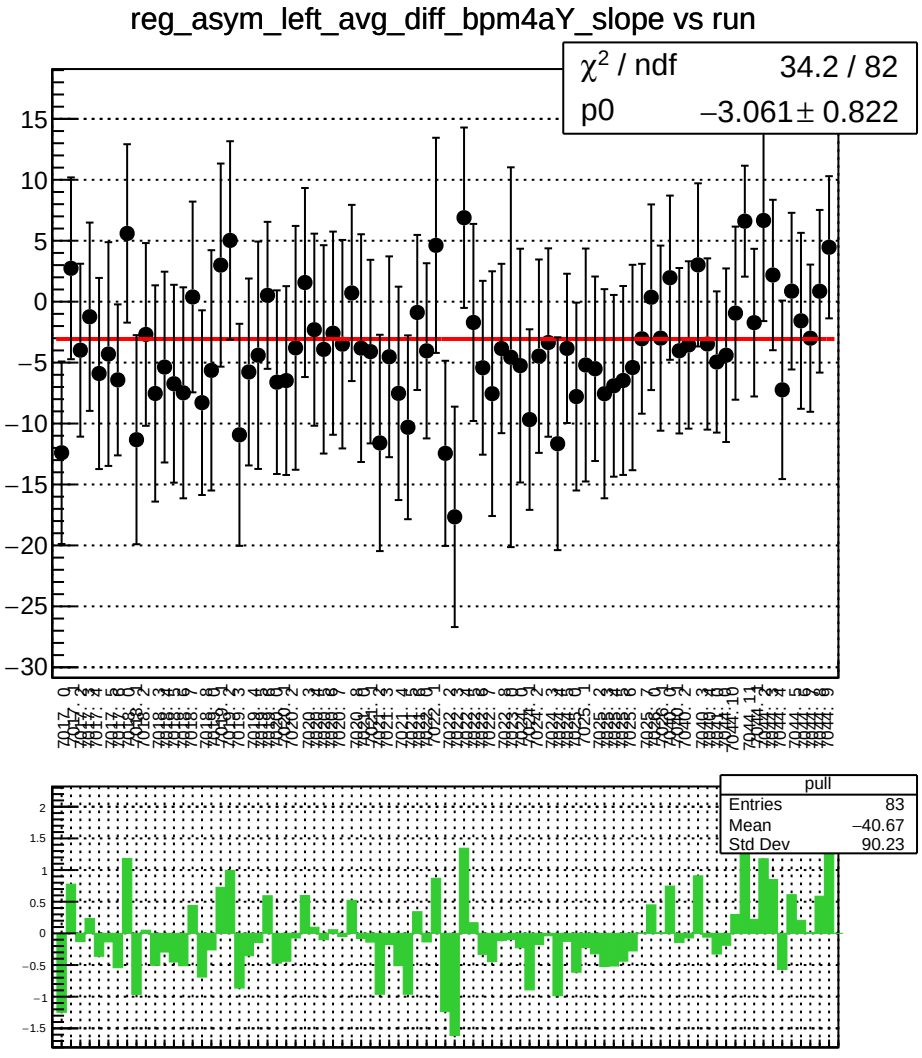

pull1D
Entries 83
Mean −0.003386
Std Dev 1.033

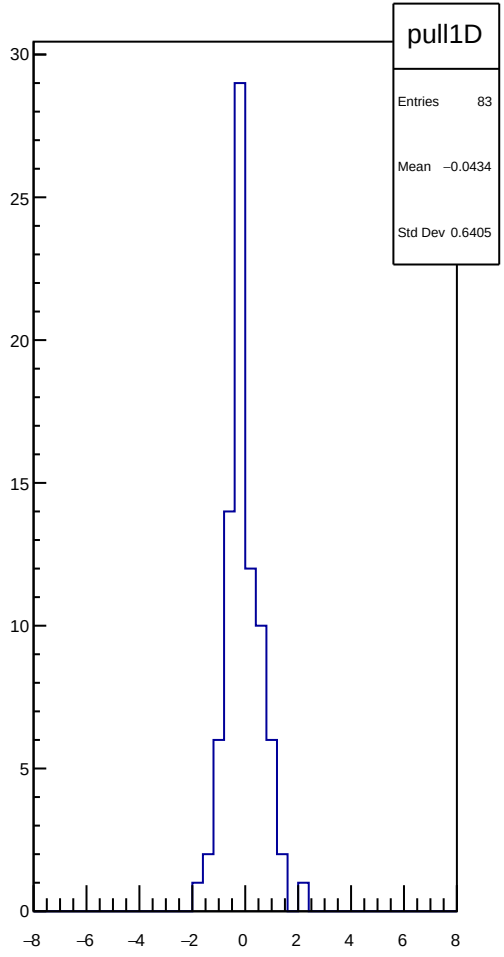

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 93.01 / 82
p0 −0.006506 ± 0.003578
pull
Entries 83
Mean 3251
Std Dev 3201

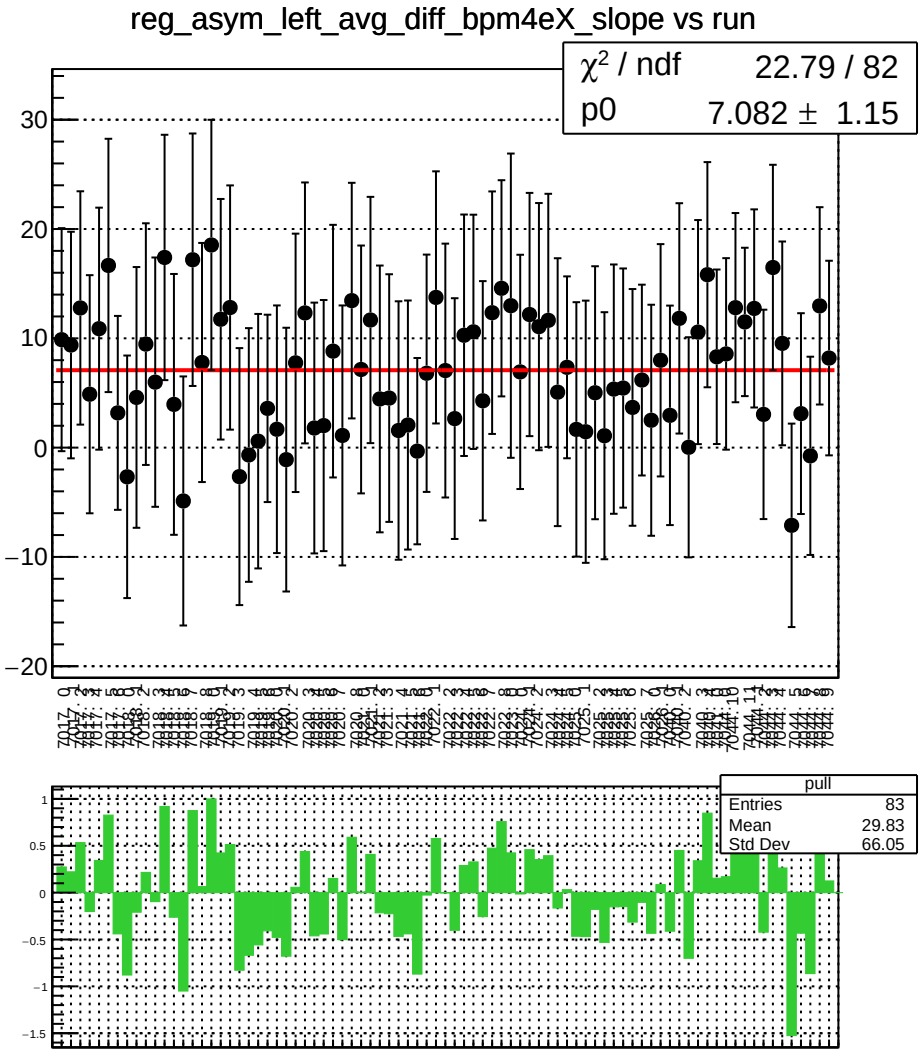

pull1D
Entries 83
Mean 0.0005107
Std Dev 1.059

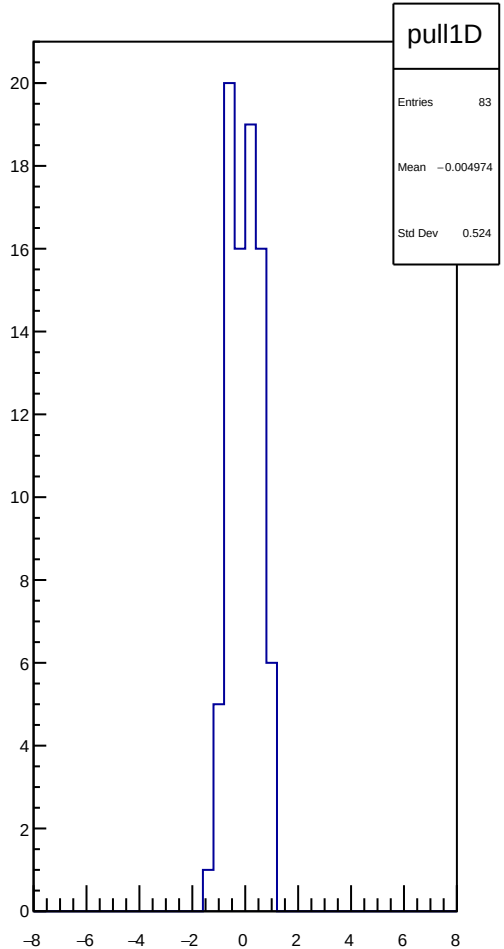

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.04 / 82
p0 −39.1 ± 1.236
pull
Entries 83
Mean 14.76
Std Dev 72.4

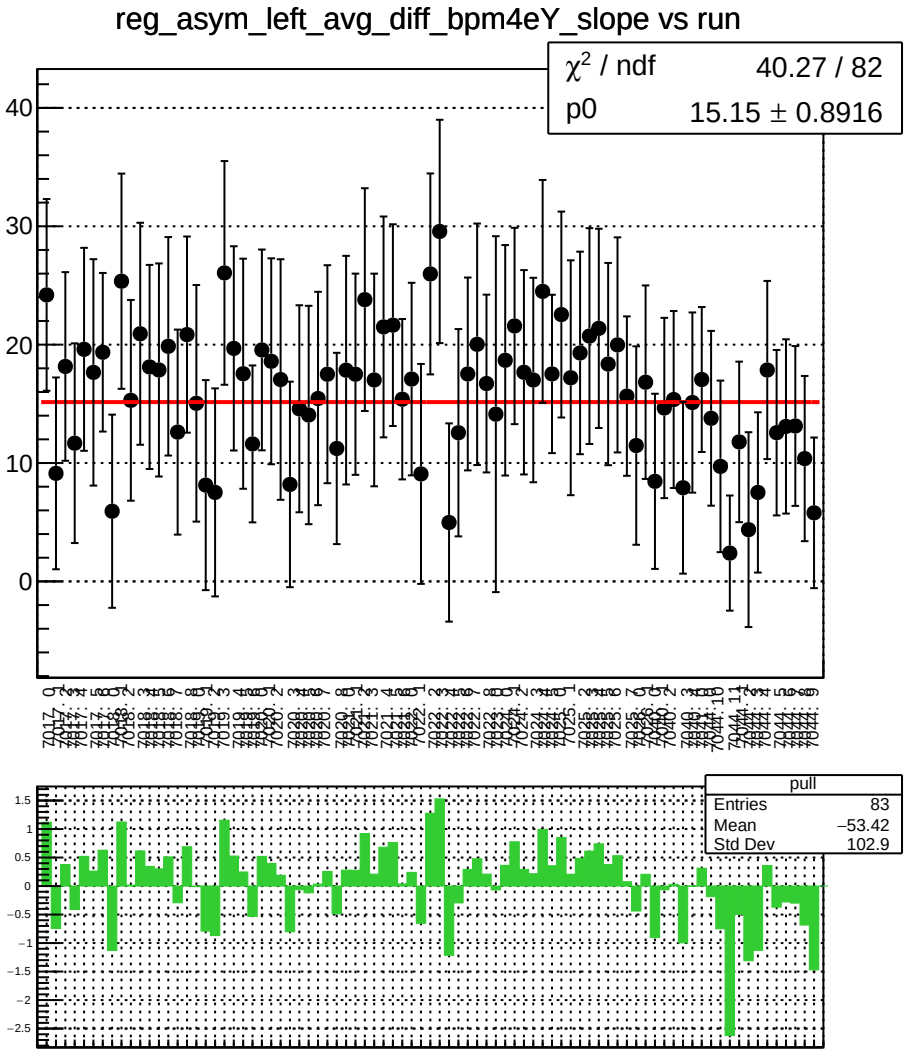

pull1D
Entries 83
Mean 0.004474
Std Dev 0.5268

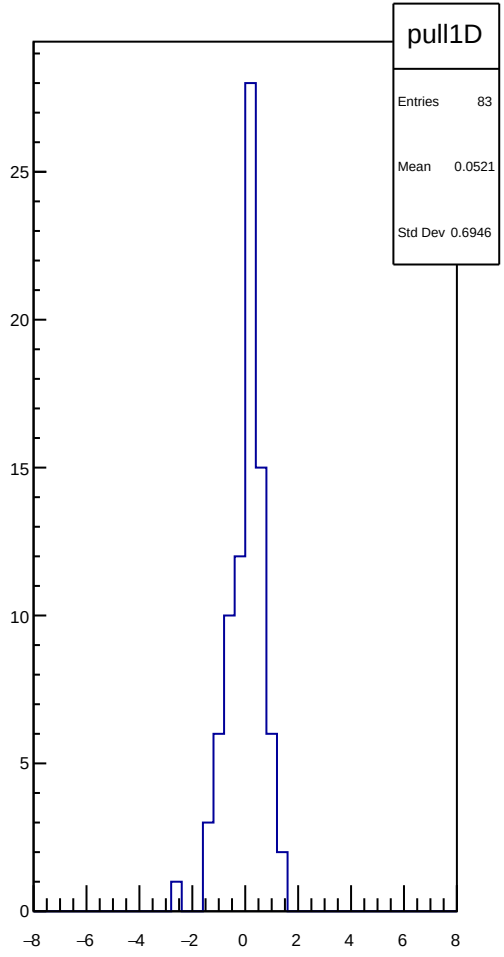

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.2 / 82
p0 −3.061 ± 0.822
pull
Entries 83
Mean −40.67
Std Dev 90.23

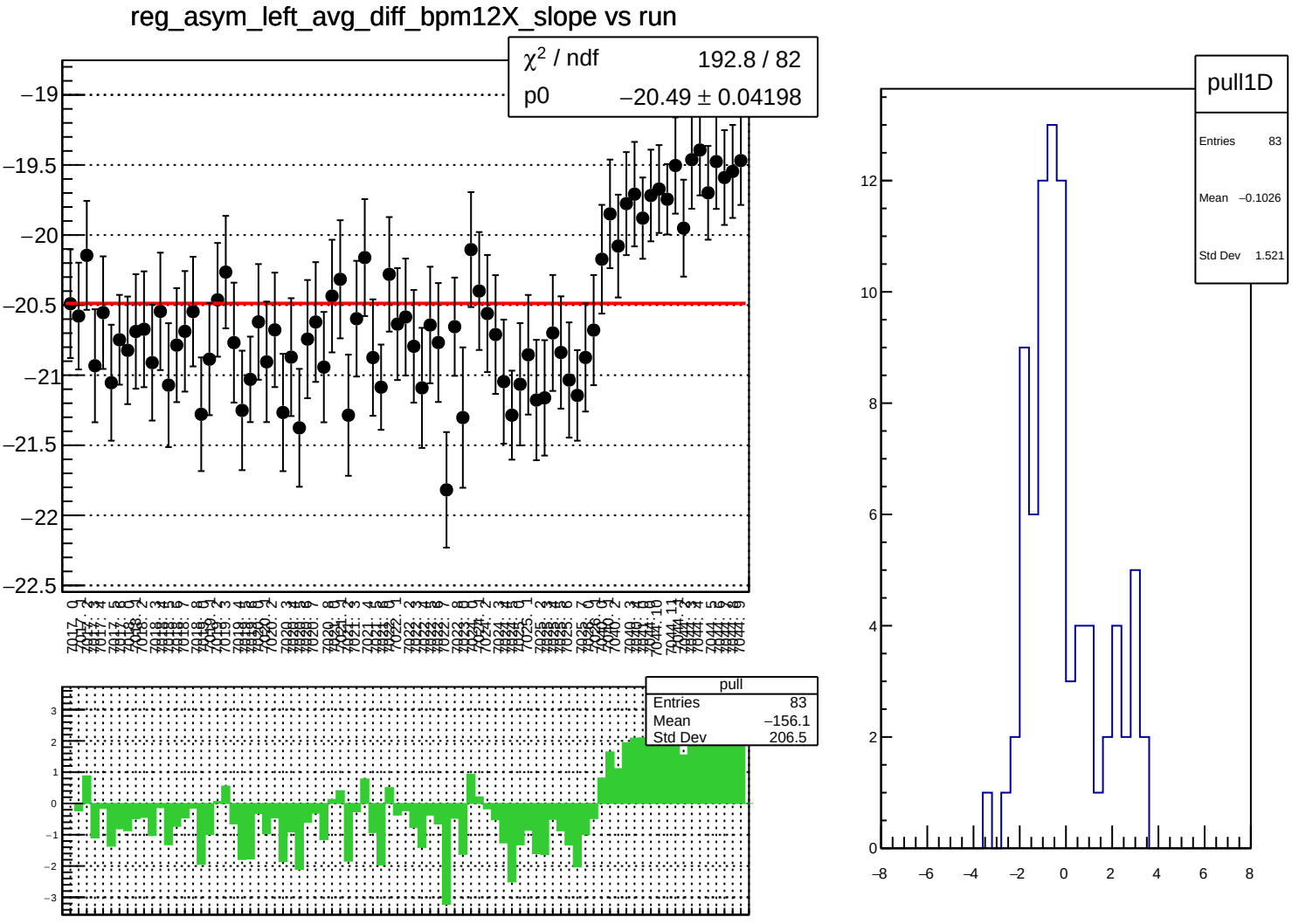

pull1D
Entries 83
Mean −0.0434
Std Dev 0.6405

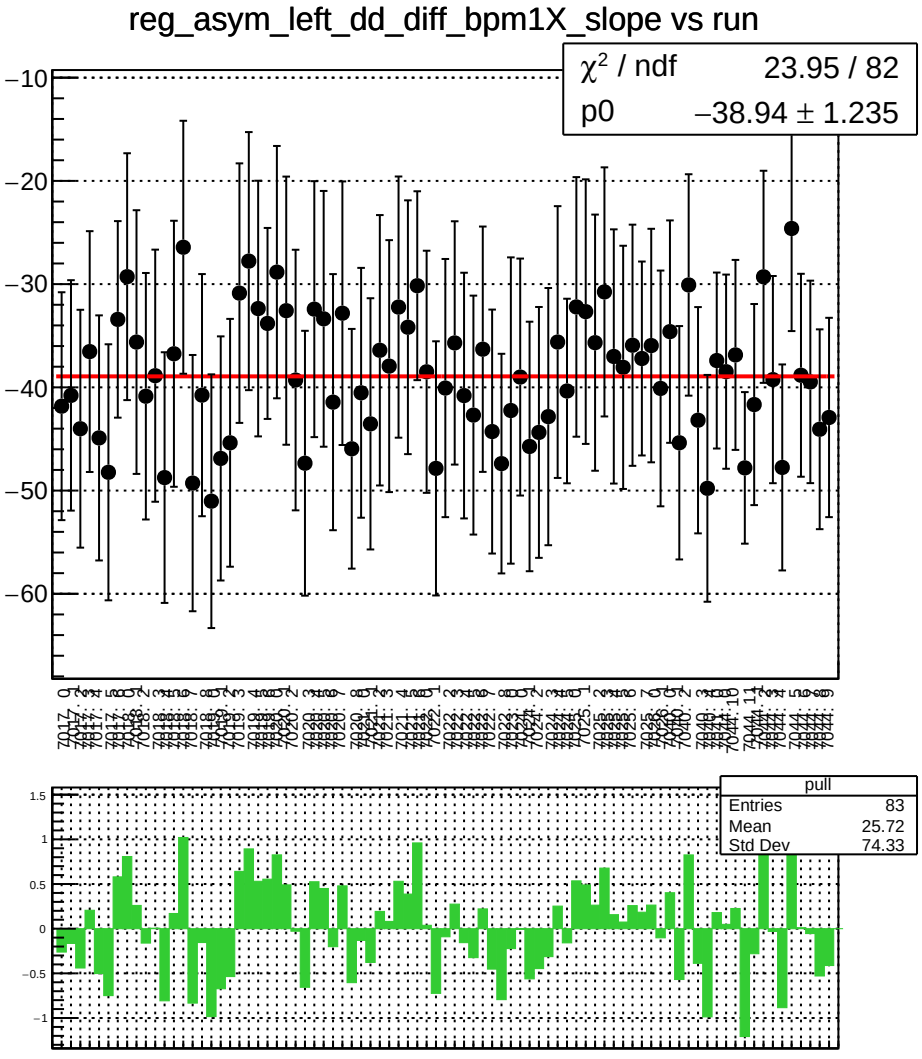

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.79 / 82
p0 7.082 ± 1.15
pull
Entries 83
Mean 29.83
Std Dev 66.05

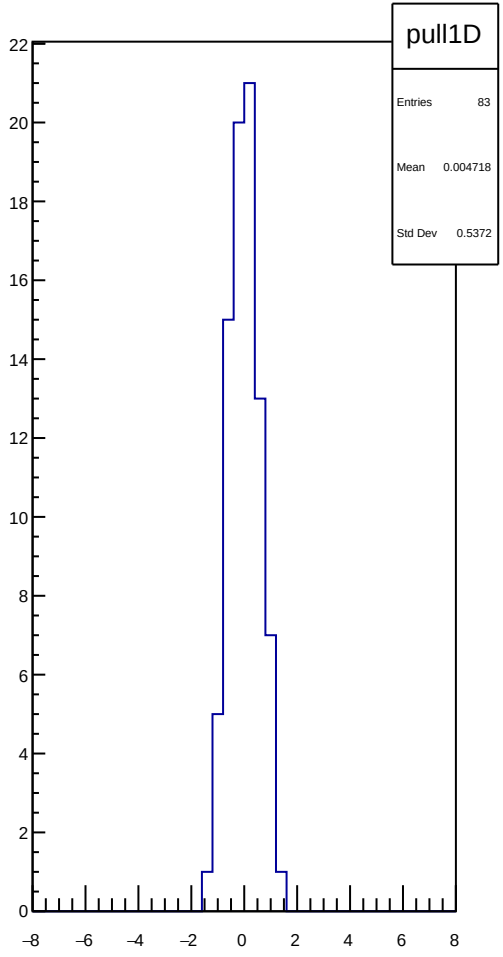

pull1D
Entries 83
Mean −0.004974
Std Dev 0.524

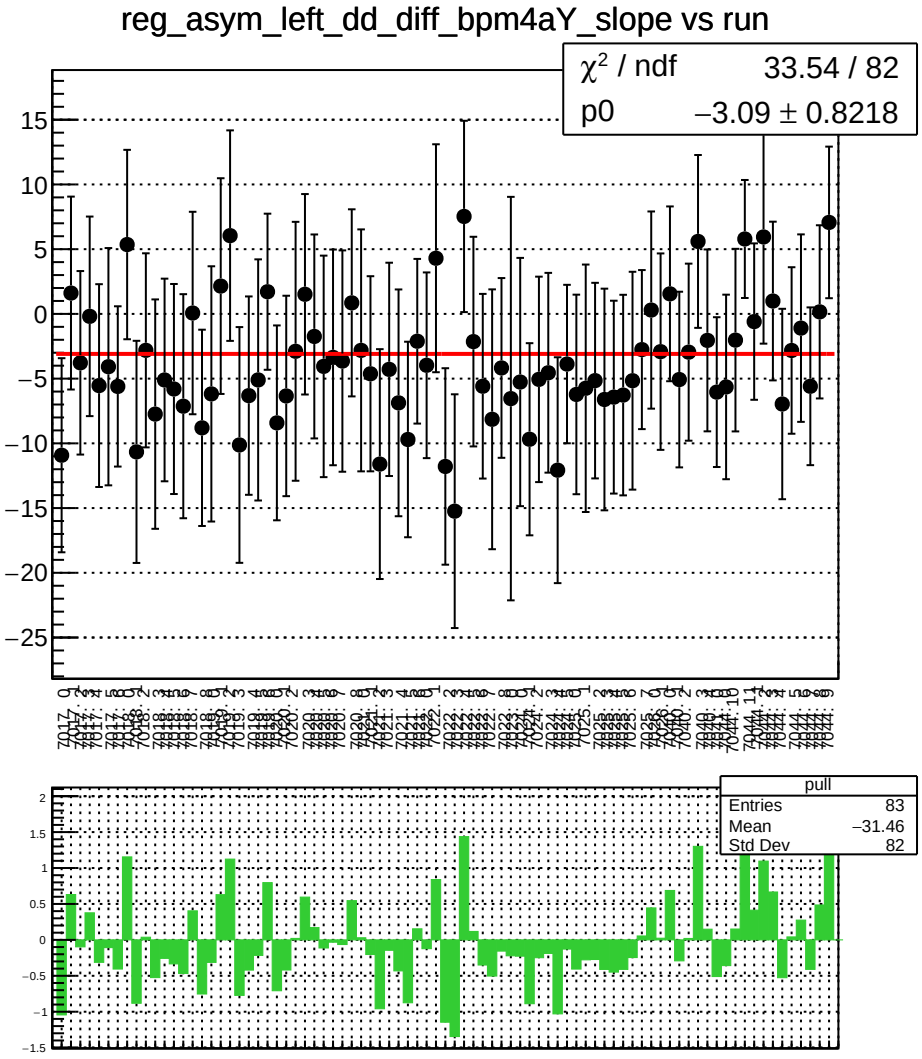

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 40.27 / 82
p0 15.15 ± 0.8916
pull
Entries 83
Mean −53.42
Std Dev 102.9

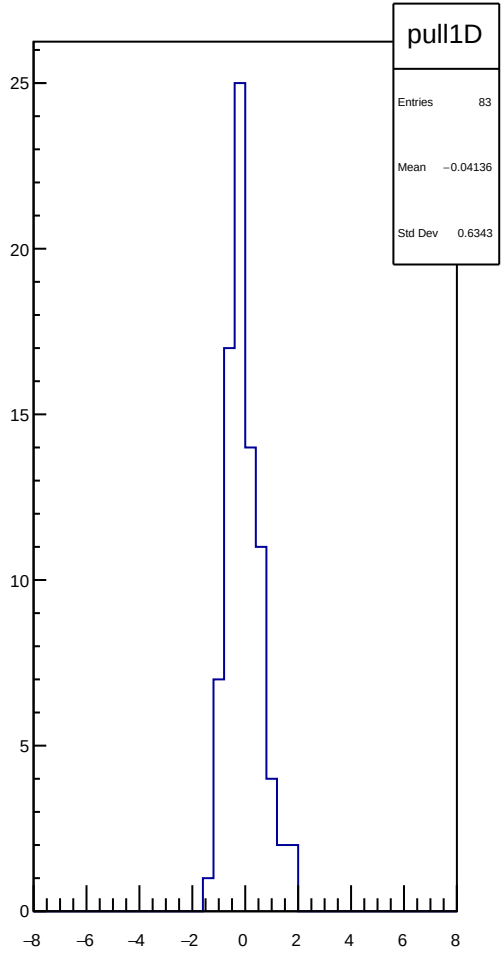

pull1D
Entries 83
Mean 0.0521
Std Dev 0.6946

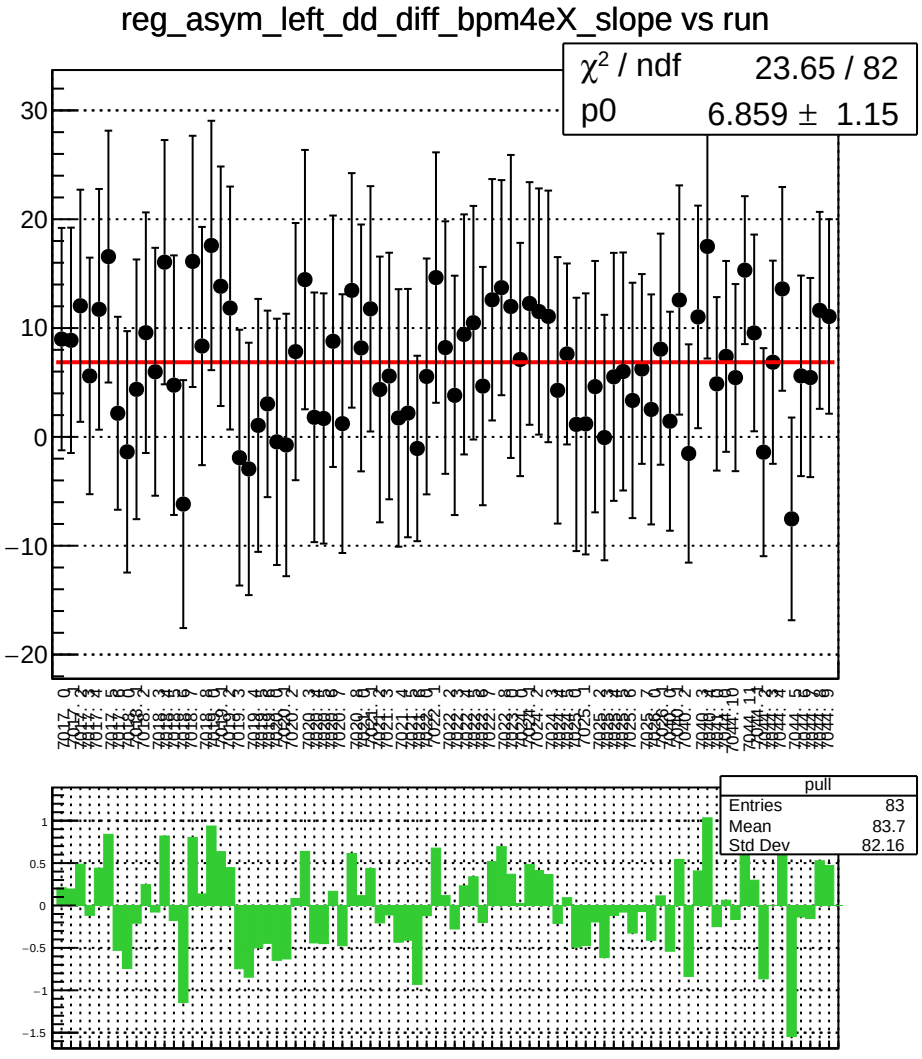

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 192.8 / 82
p0 −20.49 ± 0.04198
pull
Entries 83
Mean −156.1
Std Dev 206.5
pull1D
Entries 83
Mean −0.1026
Std Dev 1.521

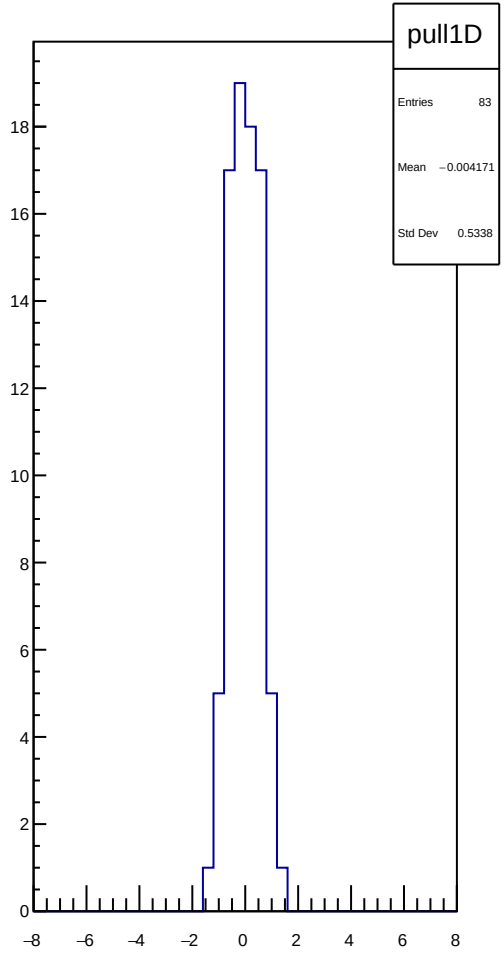

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 23.95 / 82
p0 −38.94 ± 1.235
pull
Entries 83
Mean 25.72
Std Dev 74.33

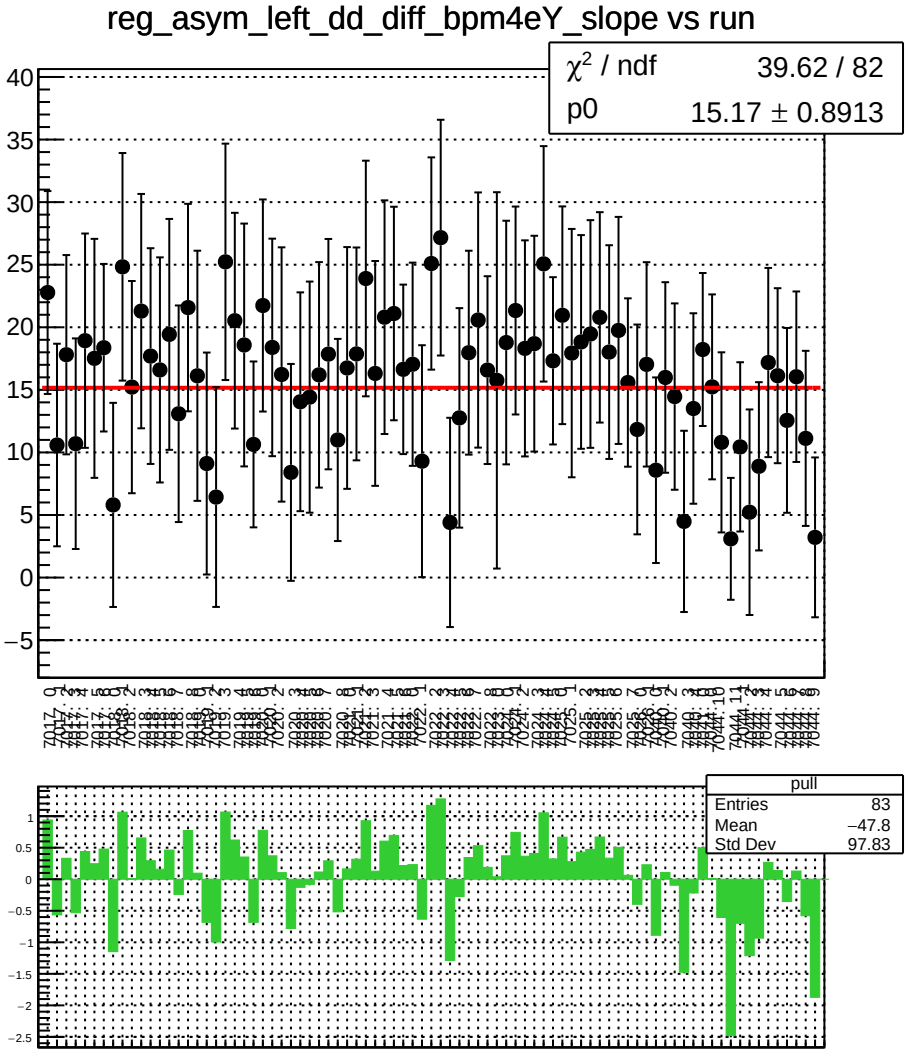

pull1D
Entries 83
Mean 0.004718
Std Dev 0.5372

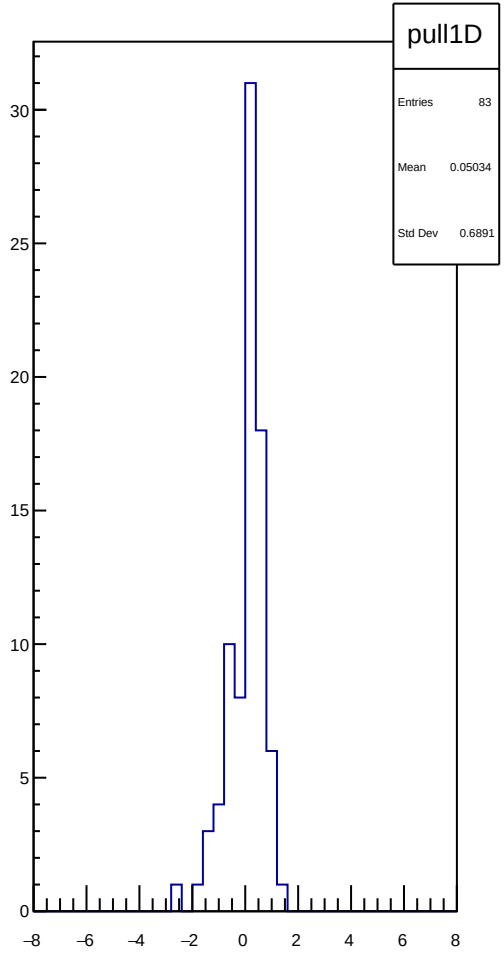

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.54 / 82
p0 −3.09 ± 0.8218
pull
Entries 83
Mean −31.46
Std Dev 82

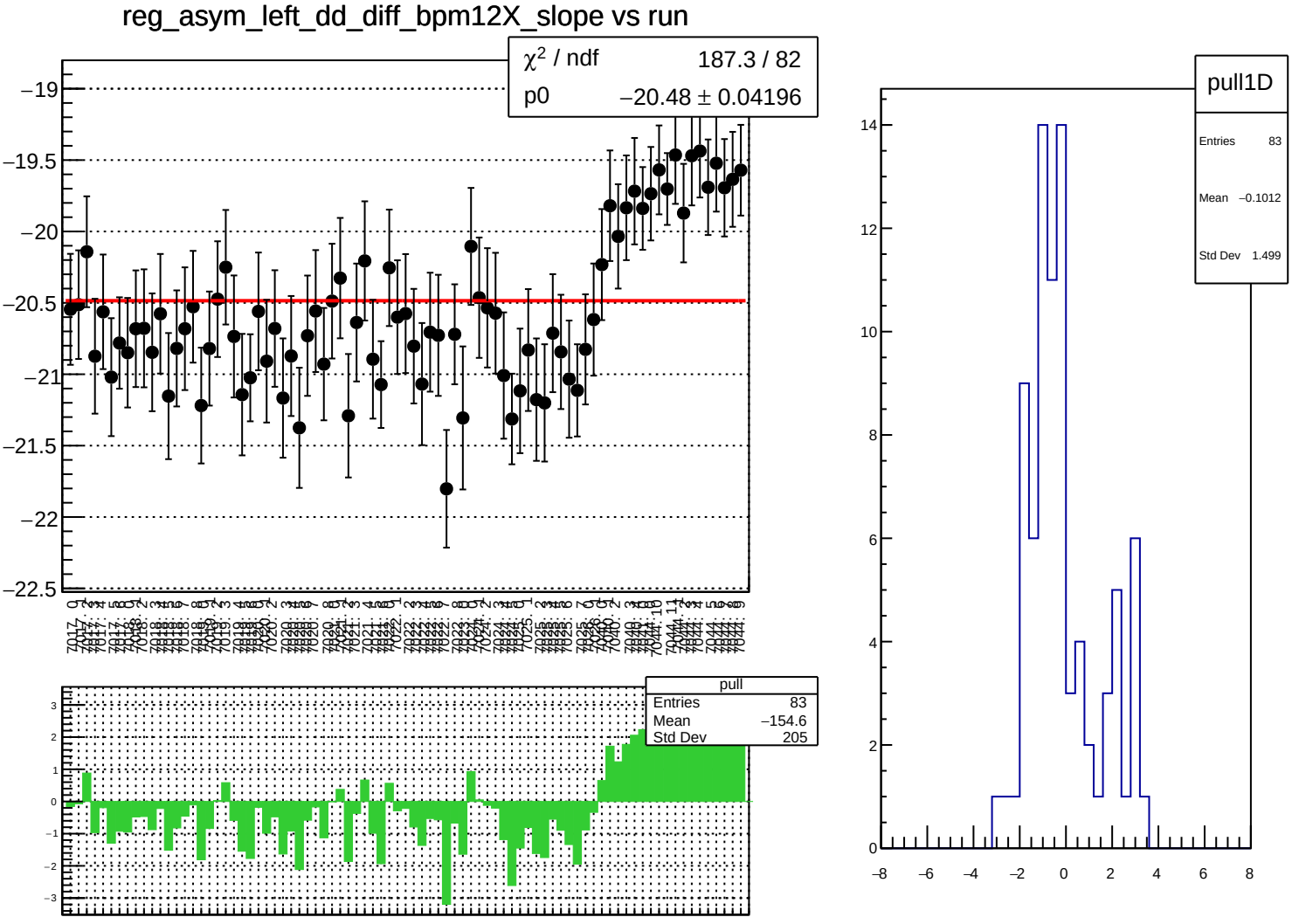

pull1D
Entries 83
Mean −0.04136
Std Dev 0.6343

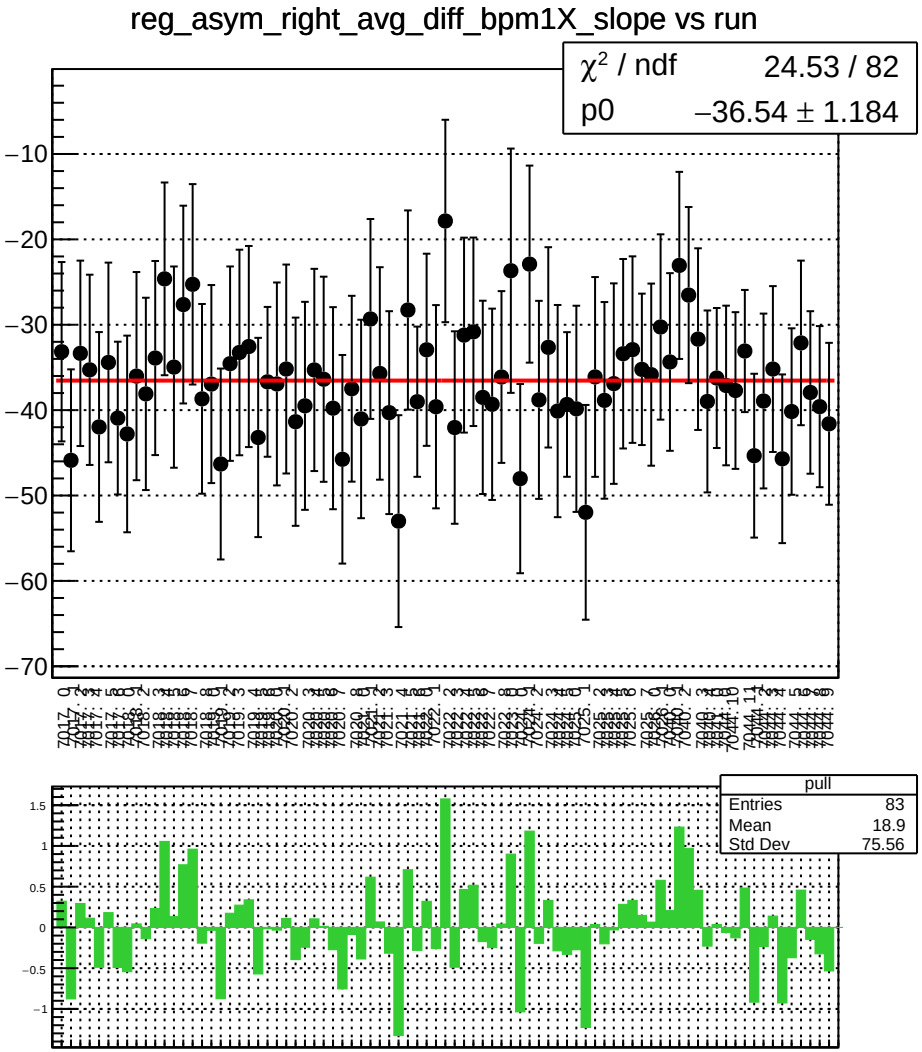

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 23.65 / 82
p0 6.859 ± 1.15
pull
Entries 83
Mean 83.7
Std Dev 82.16

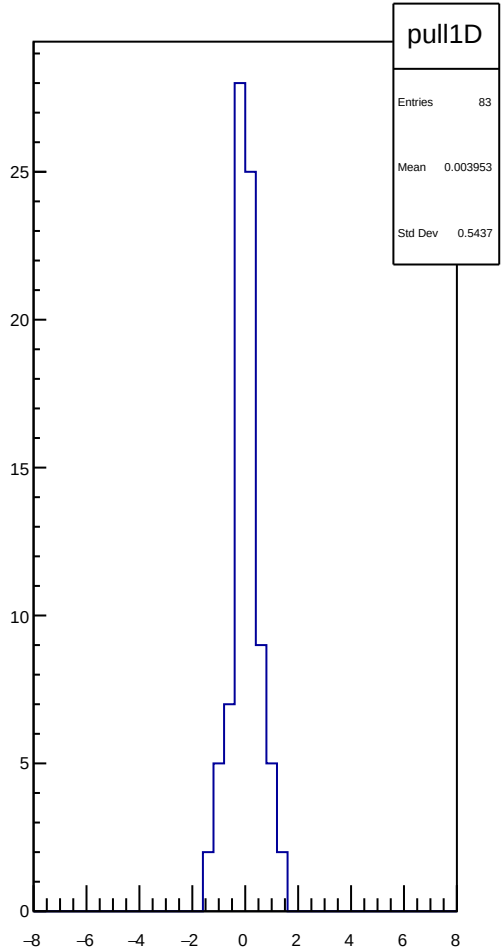

pull1D
Entries 83
Mean −0.004171
Std Dev 0.5338

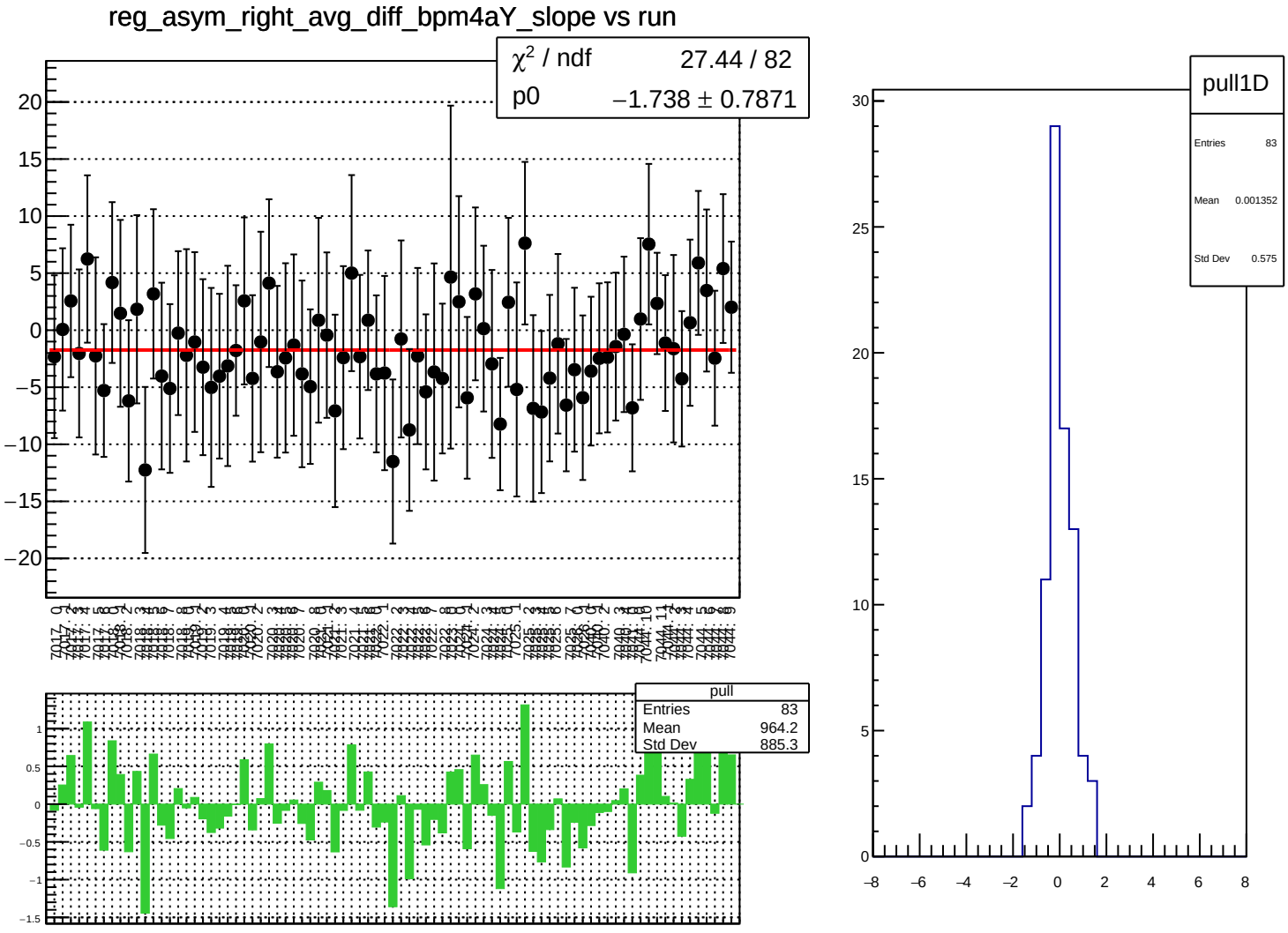

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 39.62 / 82
p0 15.17 ± 0.8913
pull
Entries 83
Mean −47.8
Std Dev 97.83

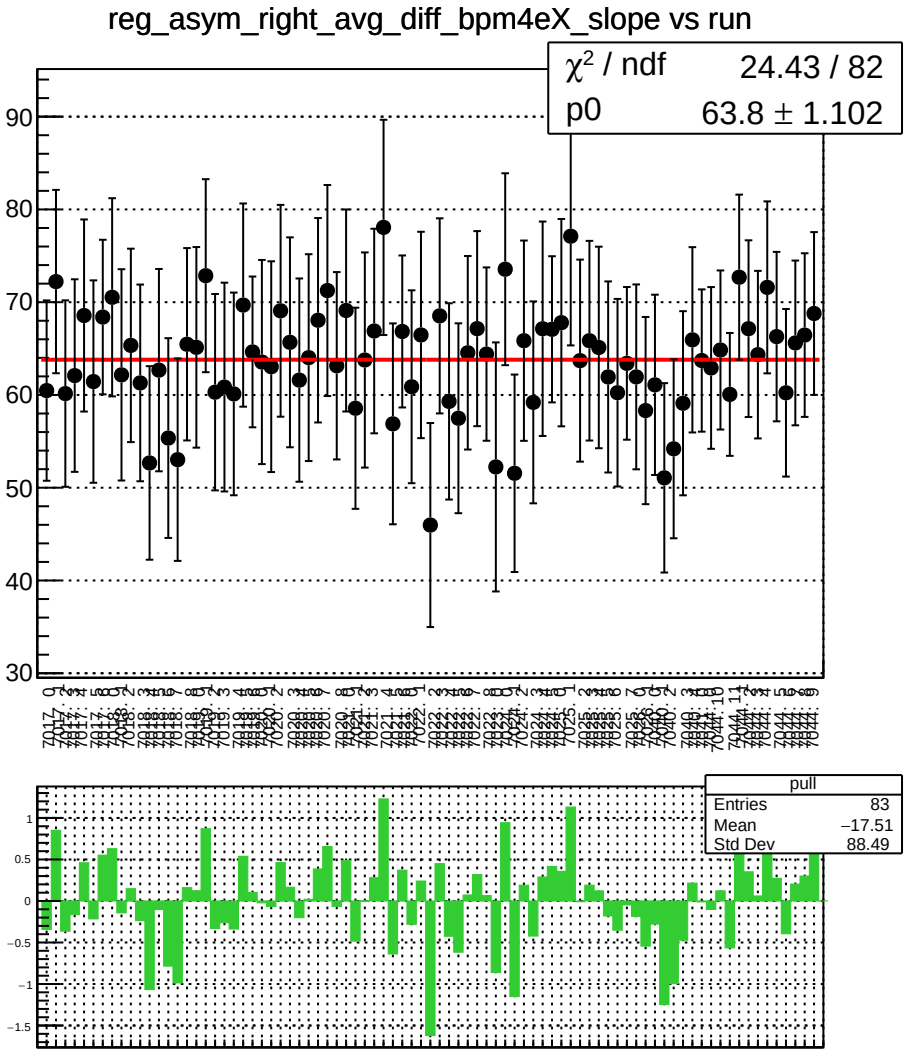

pull1D
Entries 83
Mean 0.05034
Std Dev 0.6891

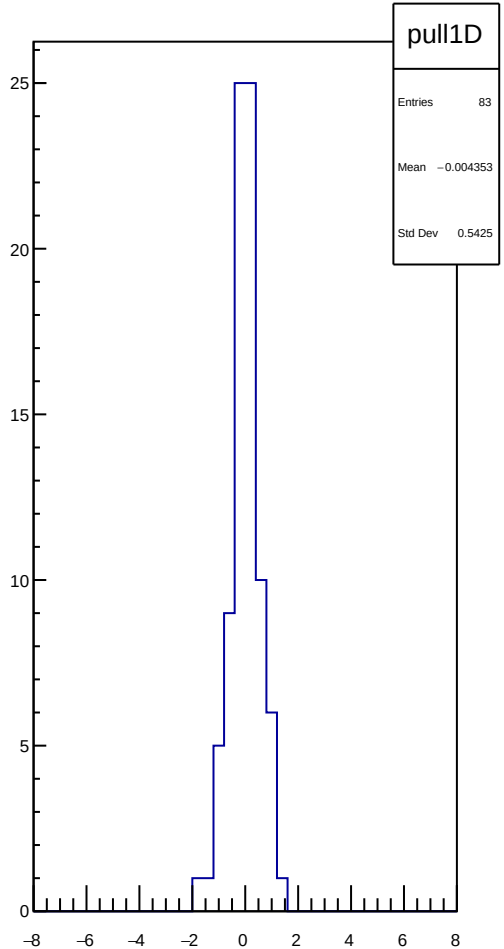

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 187.3 / 82
p0 −20.48 ± 0.04196
pull
Entries 83
Mean −154.6
Std Dev 205
pull1D
Entries 83
Mean −0.1012
Std Dev 1.499

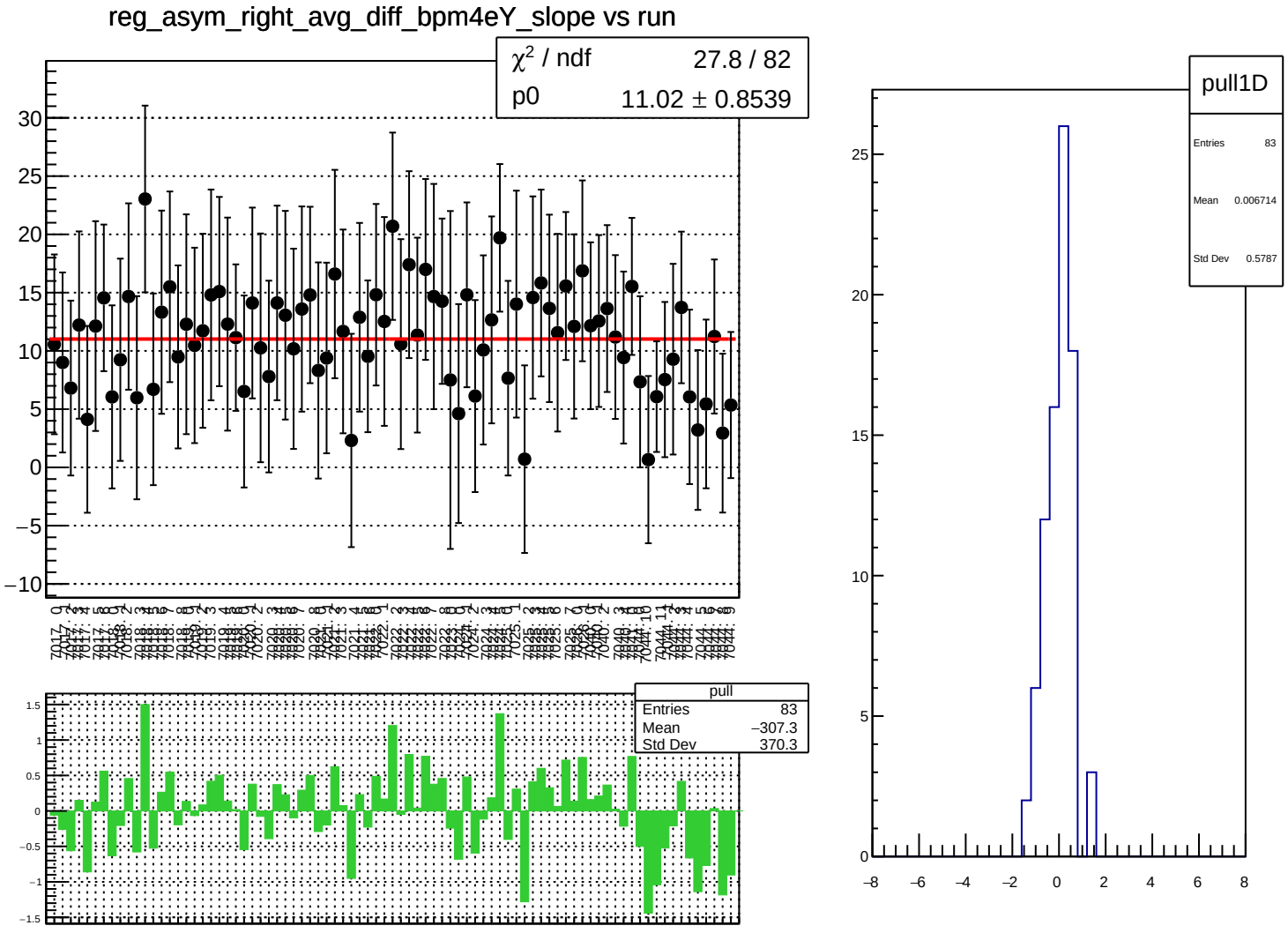

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 24.53 / 82
p0 −36.54 ± 1.184
pull
Entries 83
Mean 18.9
Std Dev 75.56

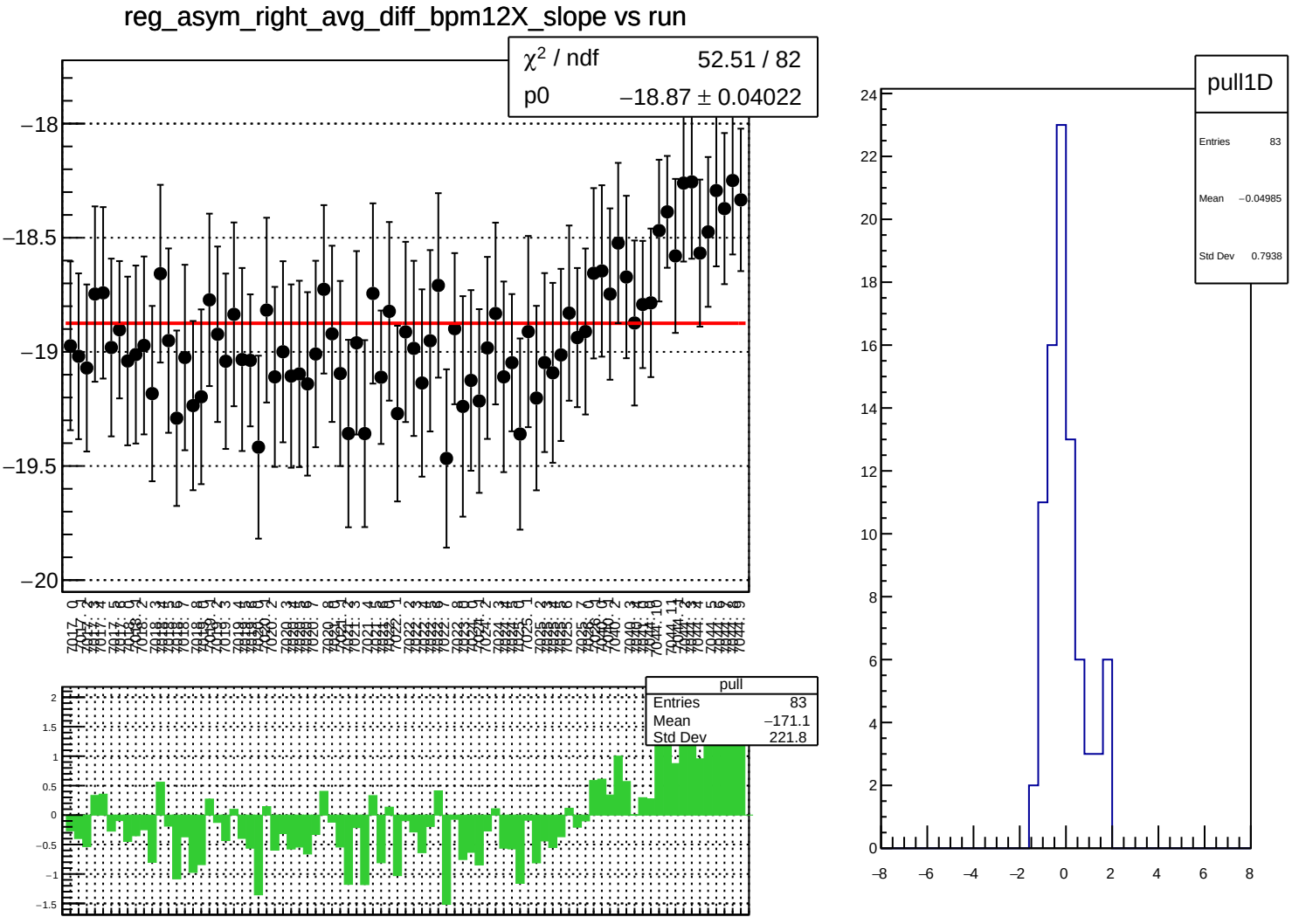

pull1D
Entries 83
Mean 0.003953
Std Dev 0.5437

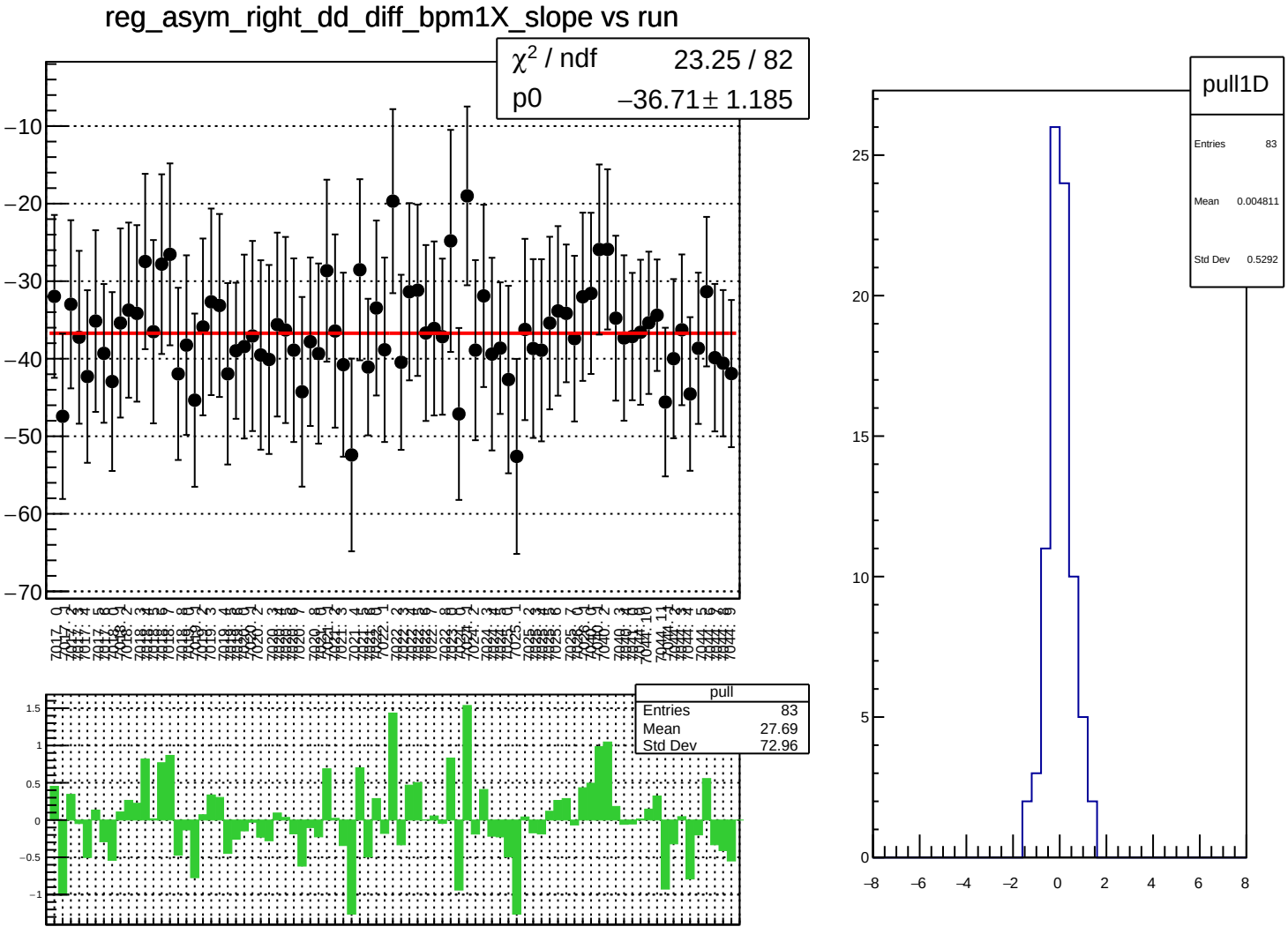

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.44 / 82
p0 −1.738 ± 0.7871
pull
Entries 83
Mean 964.2
Std Dev 885.3
pull1D
Entries 83
Mean 0.001352
Std Dev 0.575

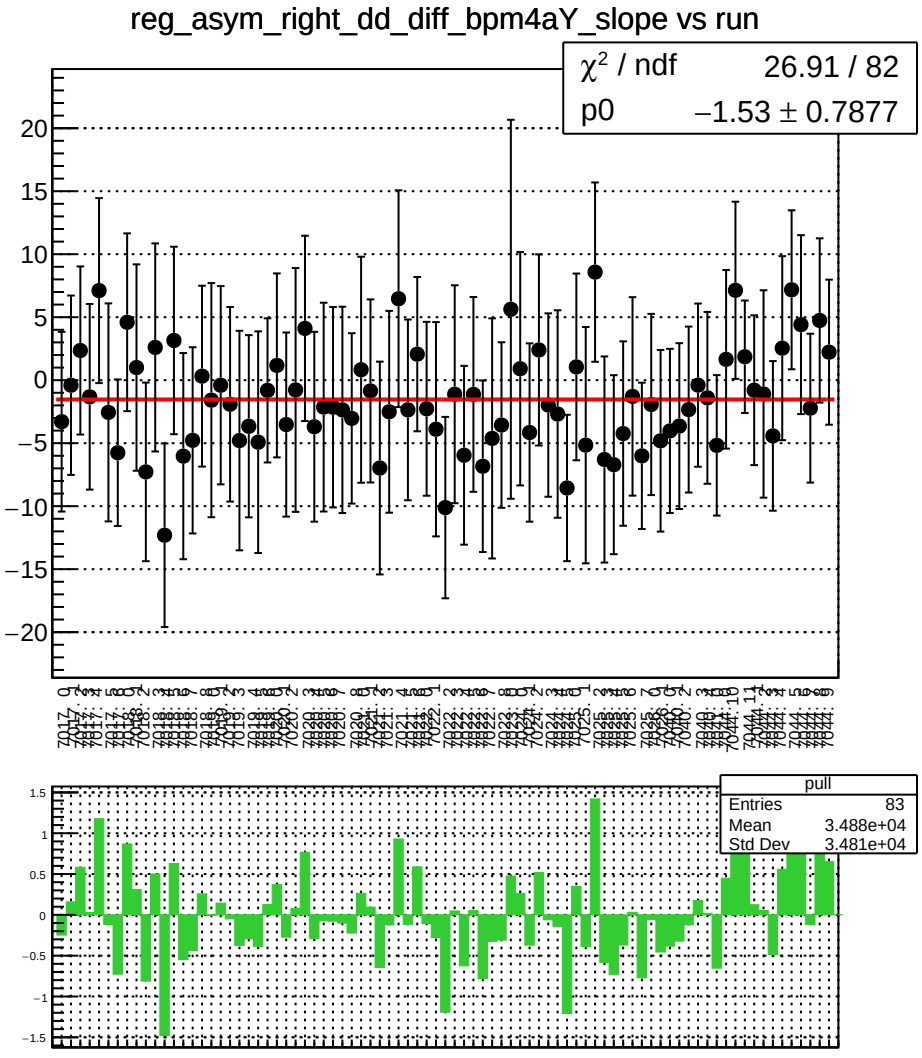

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.43 / 82
p0 63.8 ± 1.102
pull
Entries 83
Mean −17.51
Std Dev 88.49

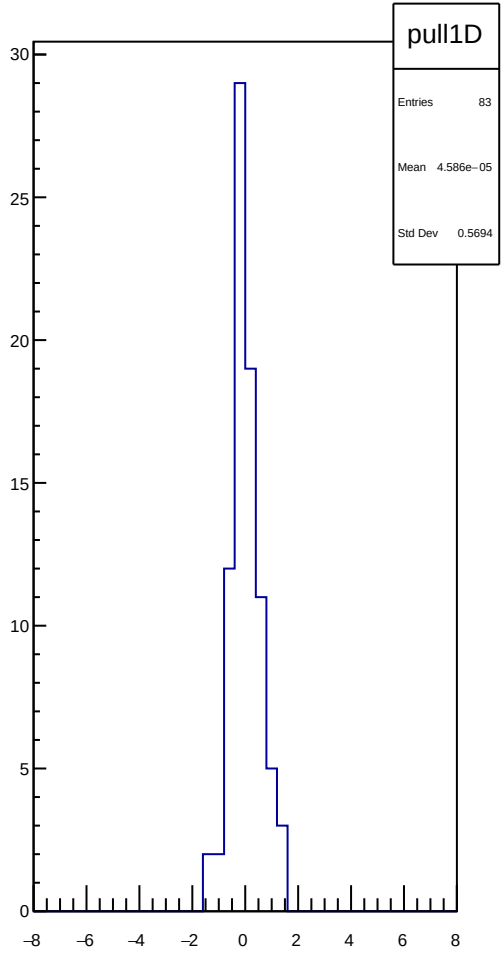

pull1D
Entries 83
Mean −0.004353
Std Dev 0.5425

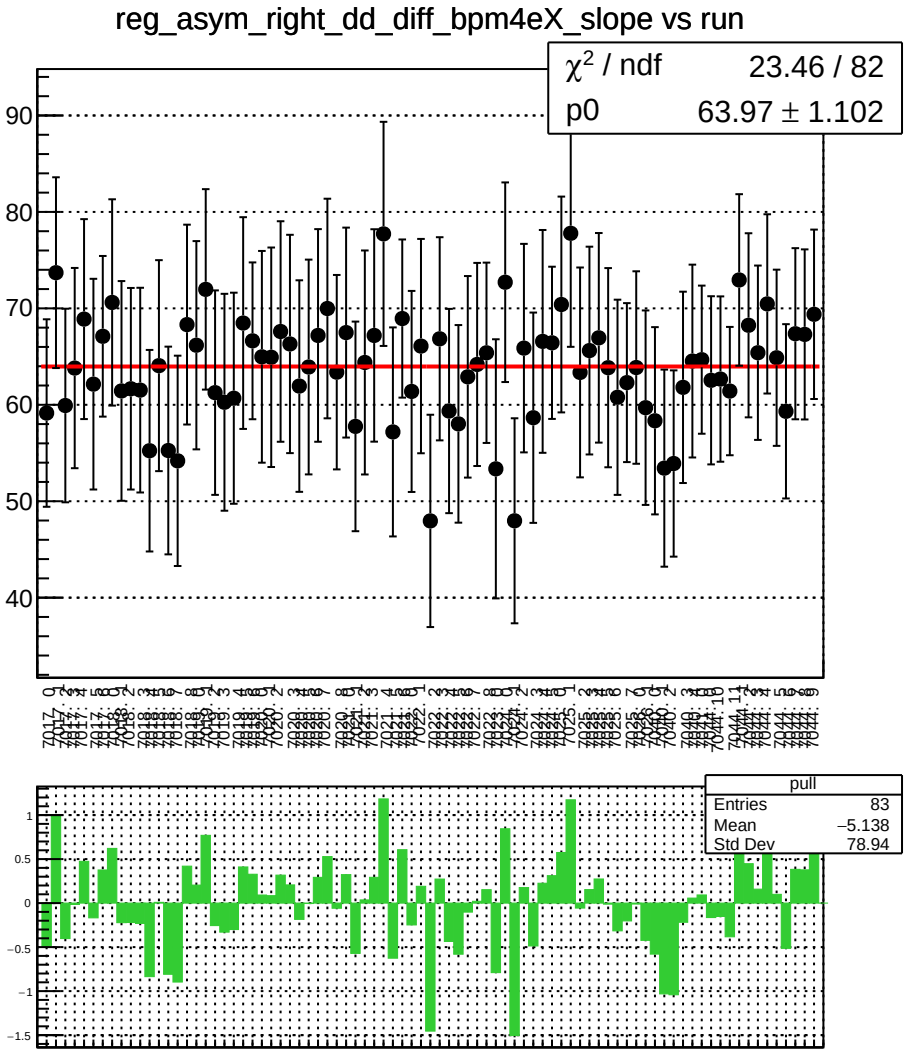

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.8 / 82
p0 11.02 ± 0.8539
pull
Entries 83
Mean −307.3
Std Dev 370.3
pull1D
Entries 83
Mean 0.006714
Std Dev 0.5787

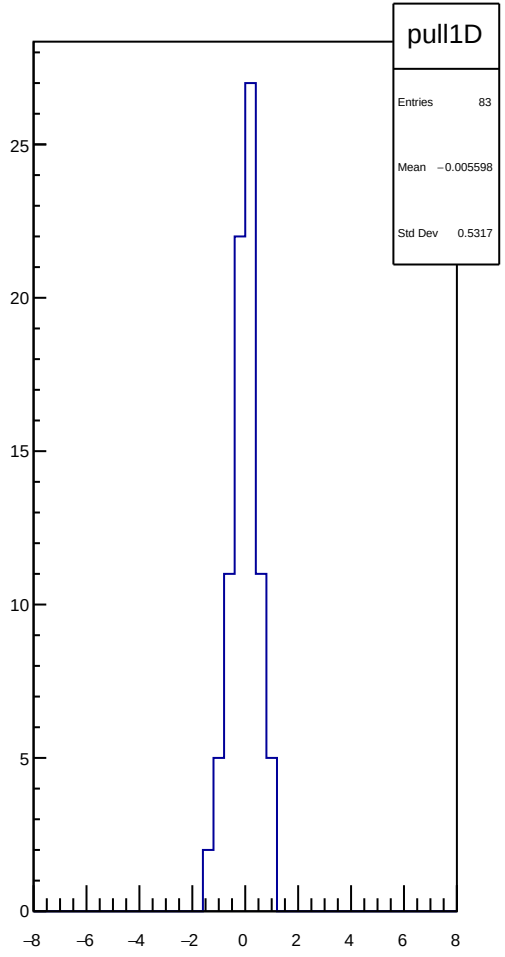

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 52.51 / 82
p0 −18.87 ± 0.04022
pull
Entries 83
Mean −171.1
Std Dev 221.8
pull1D
Entries 83
Mean −0.04985
Std Dev 0.7938

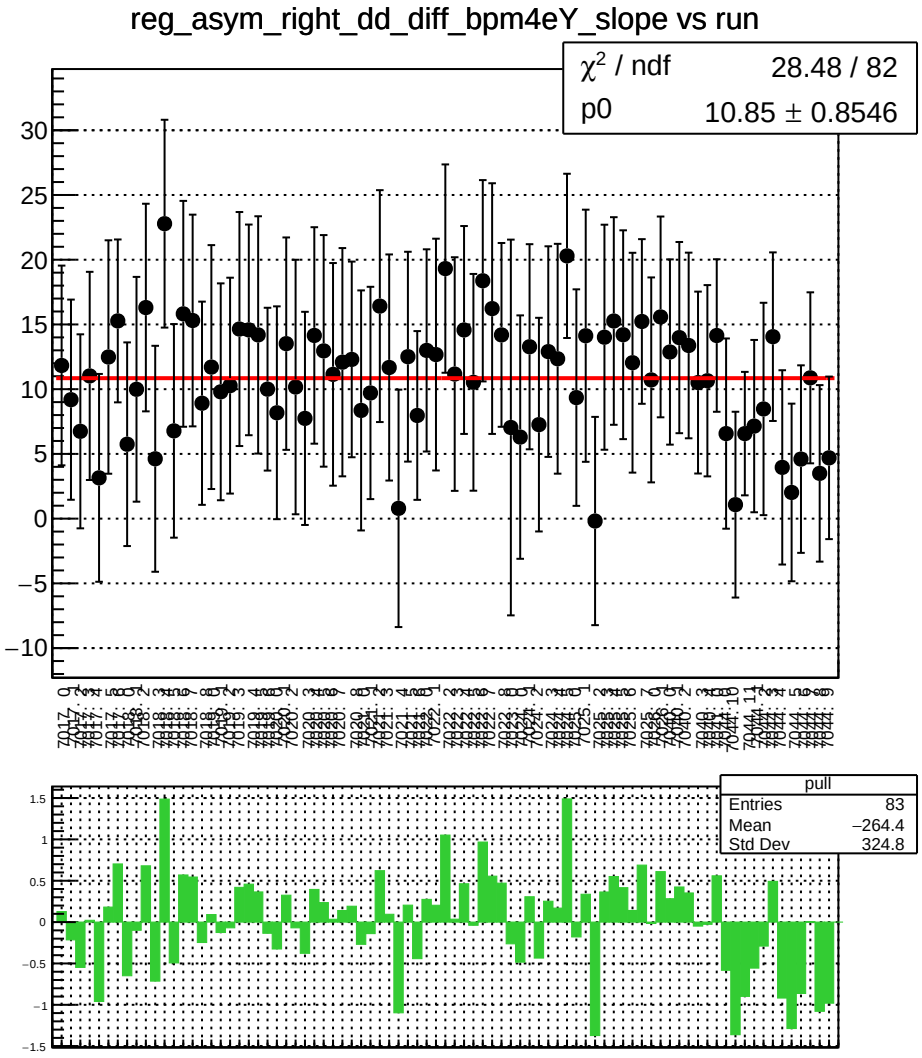

reg_asym_right_dd_diff_bpm1X_slope vs run
χ2 / ndf 23.25 / 82
p0 −36.71 ± 1.185
pull
Entries 83
Mean 27.69
Std Dev 72.96
pull1D
Entries 83
Mean 0.004811
Std Dev 0.5292

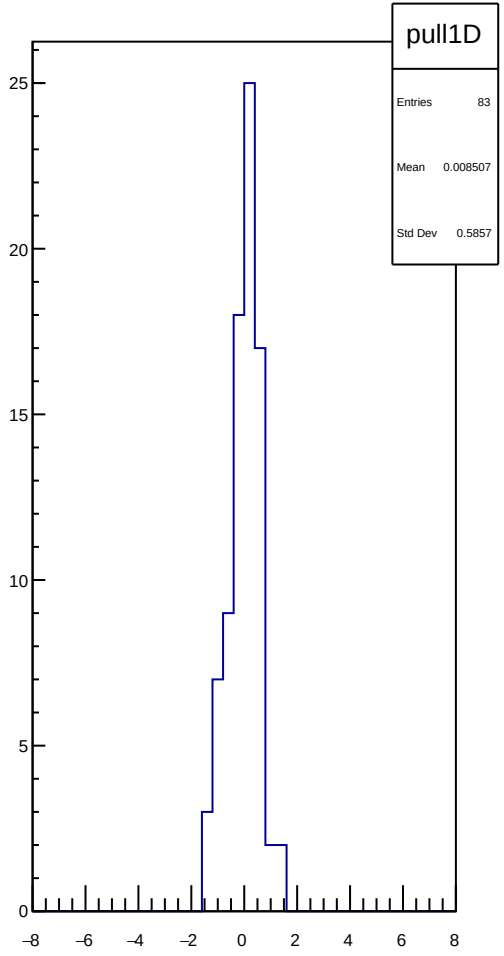

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.91 / 82
p0 −1.53 ± 0.7877
pull
Entries 83
Mean 3.488e+04
Std Dev 3.481e+04

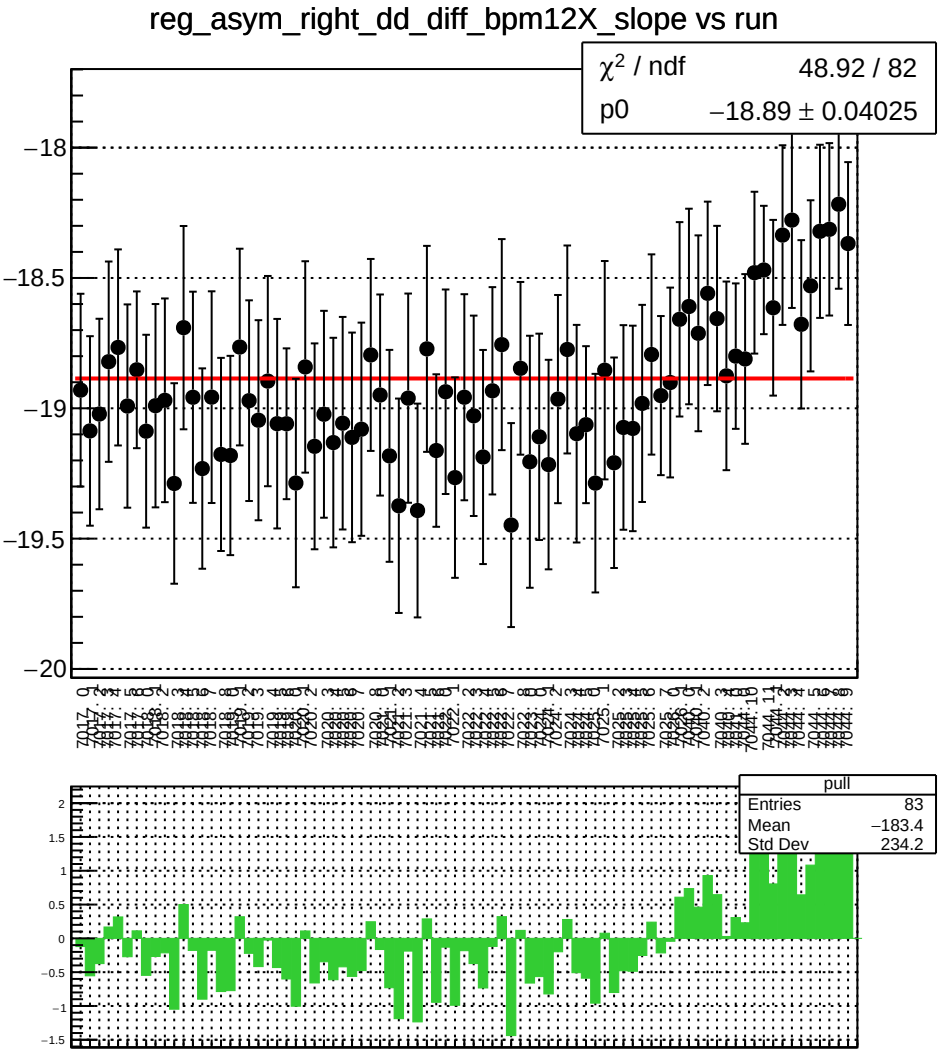

pull1D
Entries 83
Mean 4.586e−05
Std Dev 0.5694

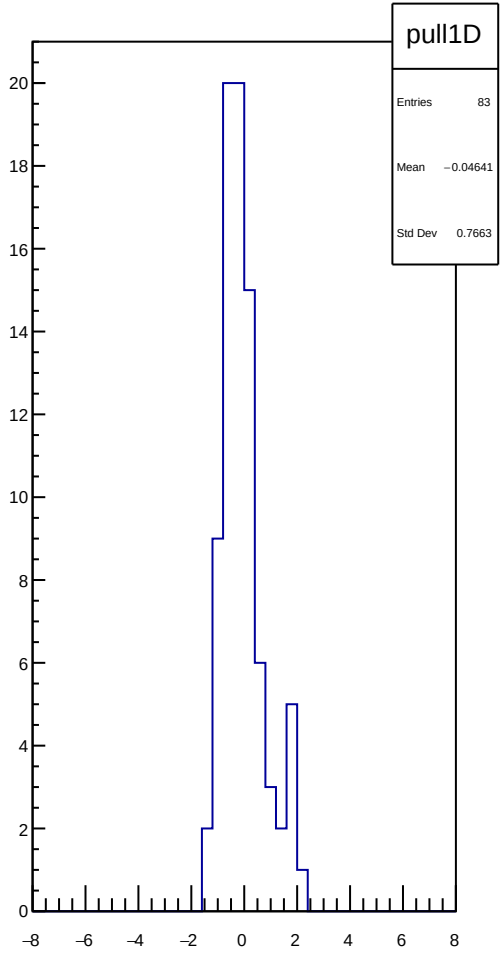

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 23.46 / 82
p0 63.97 ± 1.102
pull
Entries 83
Mean −5.138
Std Dev 78.94

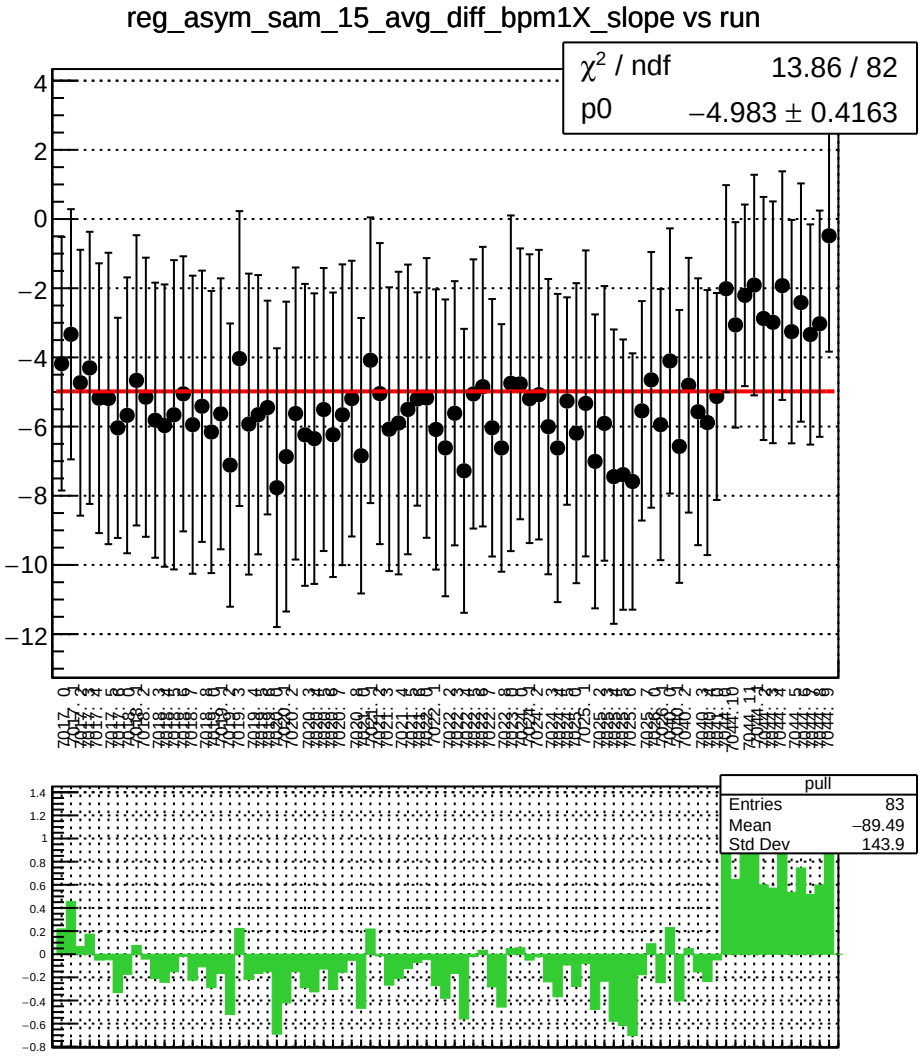

pull1D
Entries 83
Mean −0.005598
Std Dev 0.5317

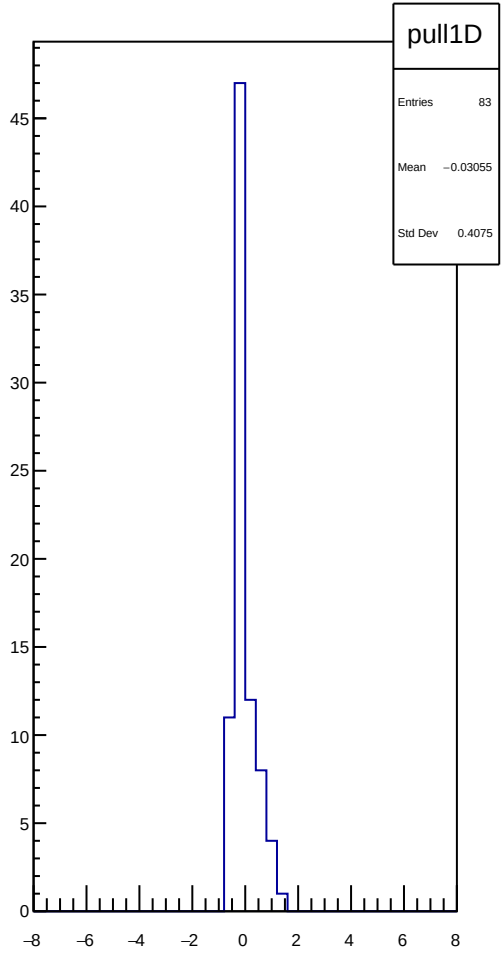

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.48 / 82
p0 10.85 ± 0.8546
pull
Entries 83
Mean −264.4
Std Dev 324.8


pull1D
Entries 83
Mean 0.008507
Std Dev 0.5857

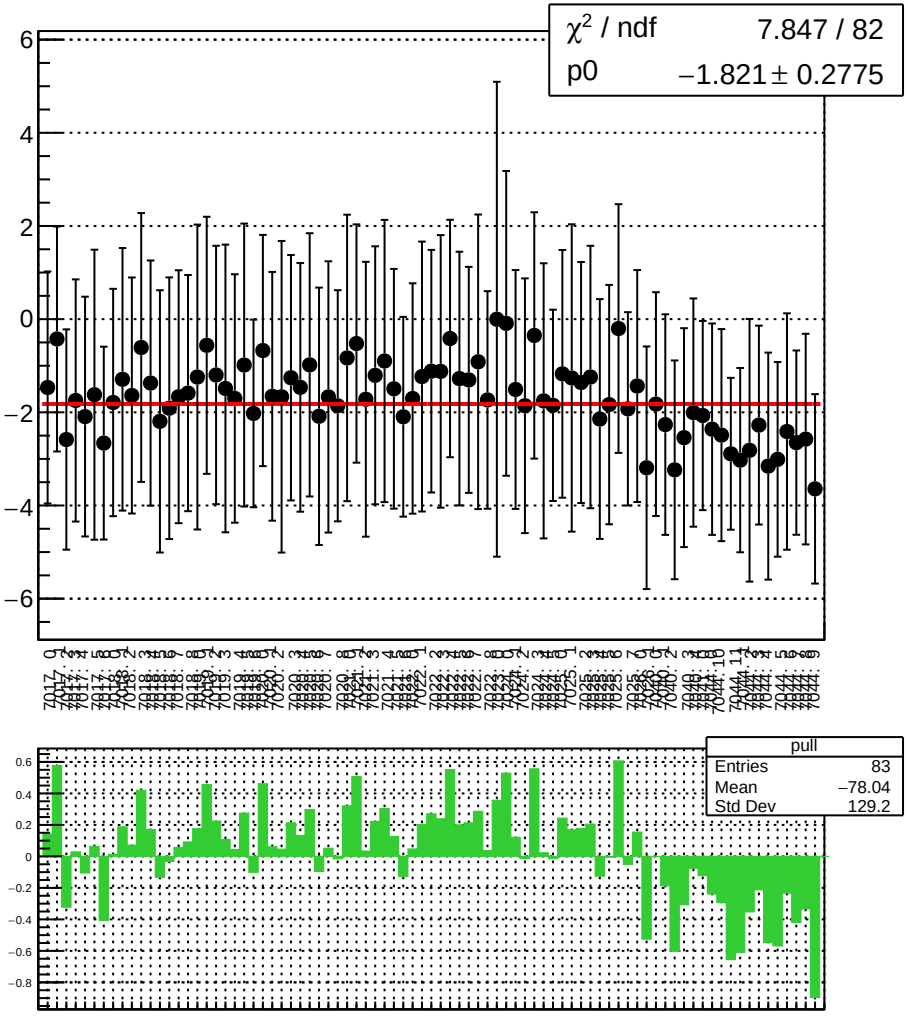

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 48.92 / 82
p0 −18.89 ± 0.04025
pull
Entries 83
Mean −183.4
Std Dev 234.2

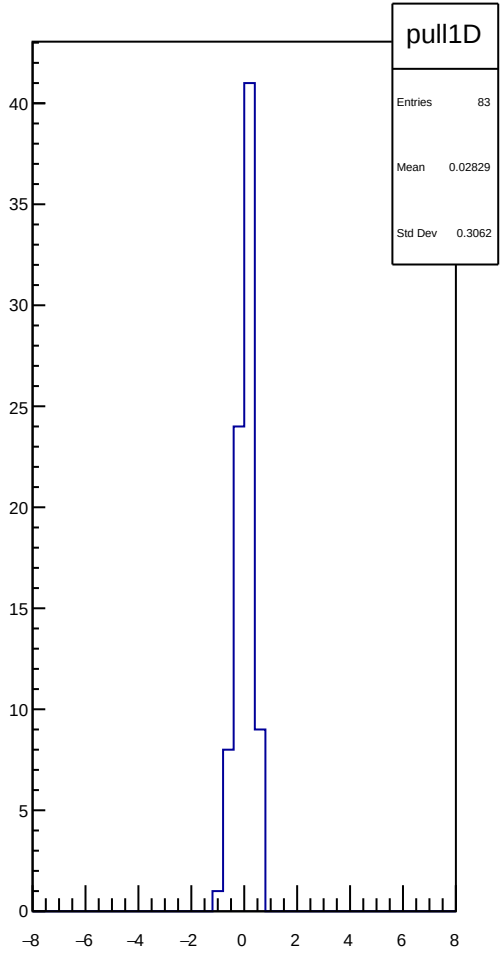

pull1D
Entries 83
Mean −0.04641
Std Dev 0.7663

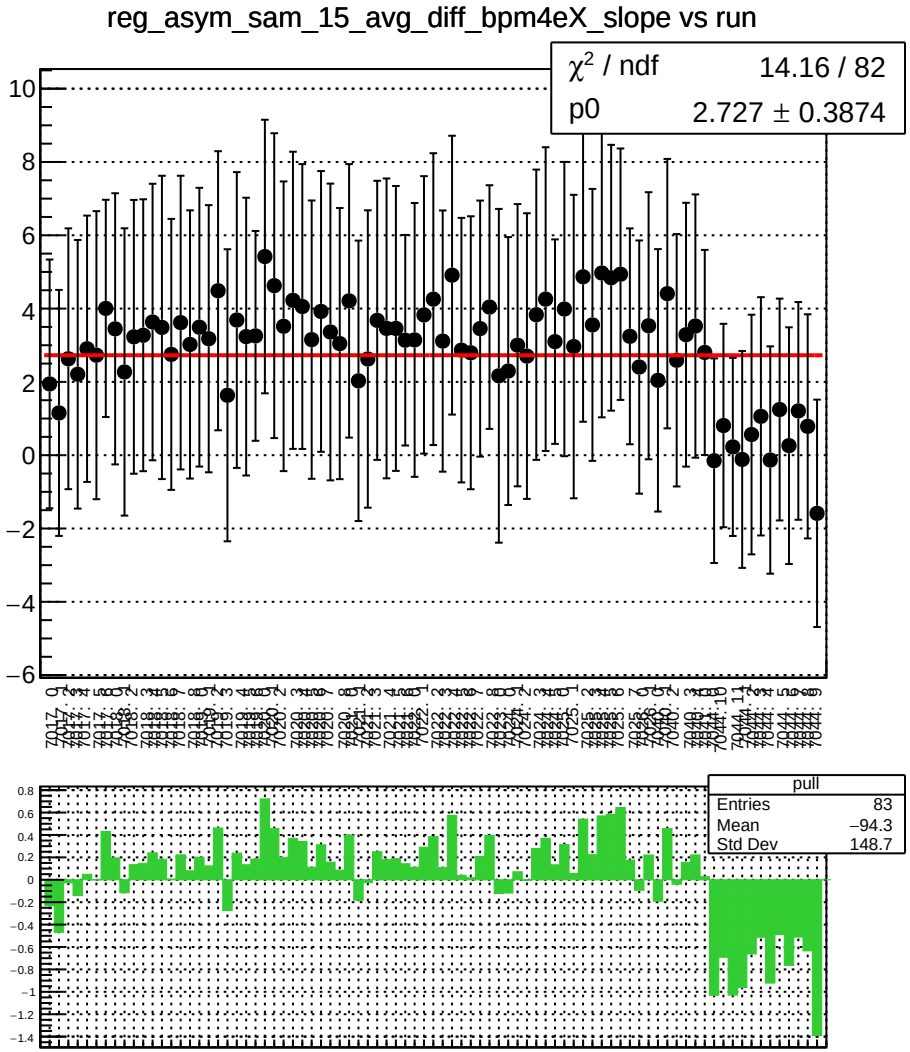

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 13.86 / 82
p0 −4.983 ± 0.4163
pull
Entries 83
Mean −89.49
Std Dev 143.9

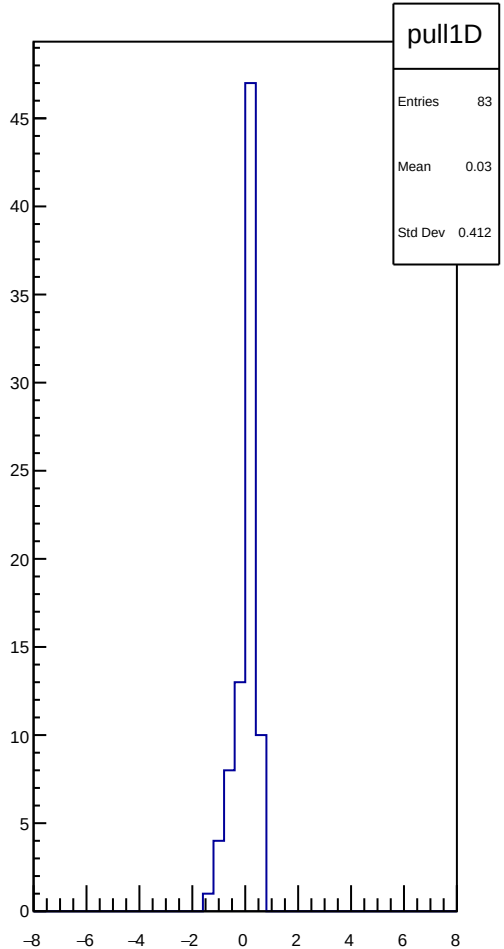

pull1D
Entries 83
Mean −0.03055
Std Dev 0.4075

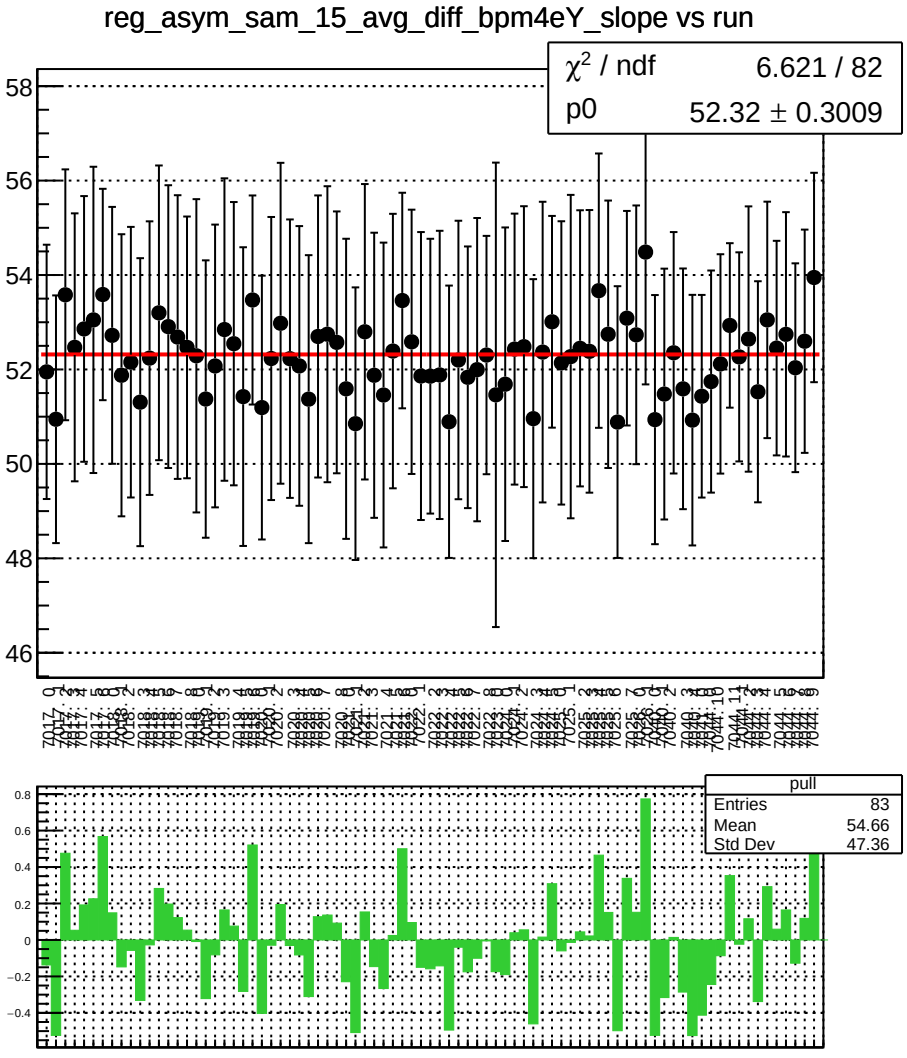
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

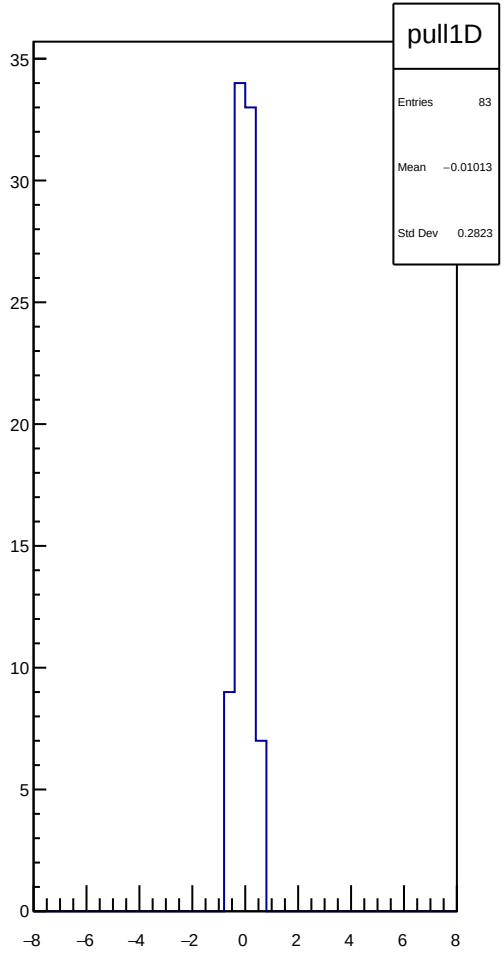


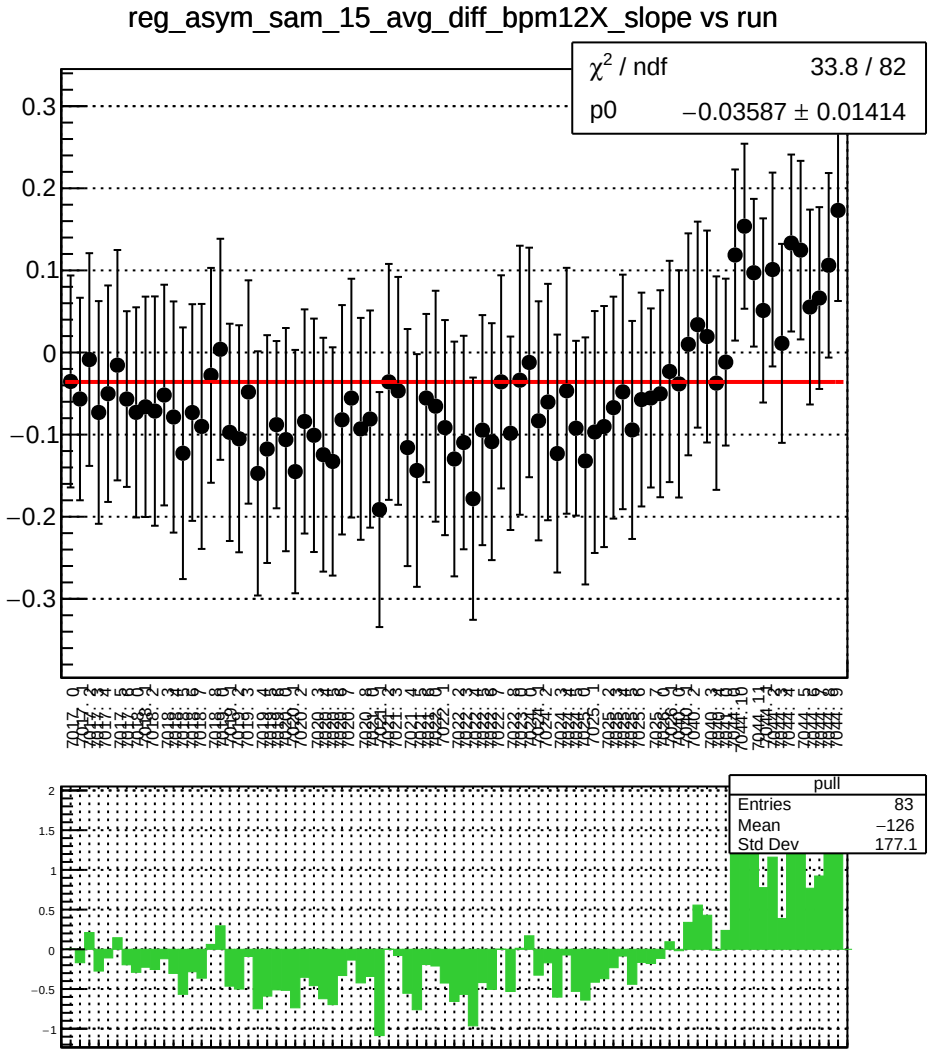


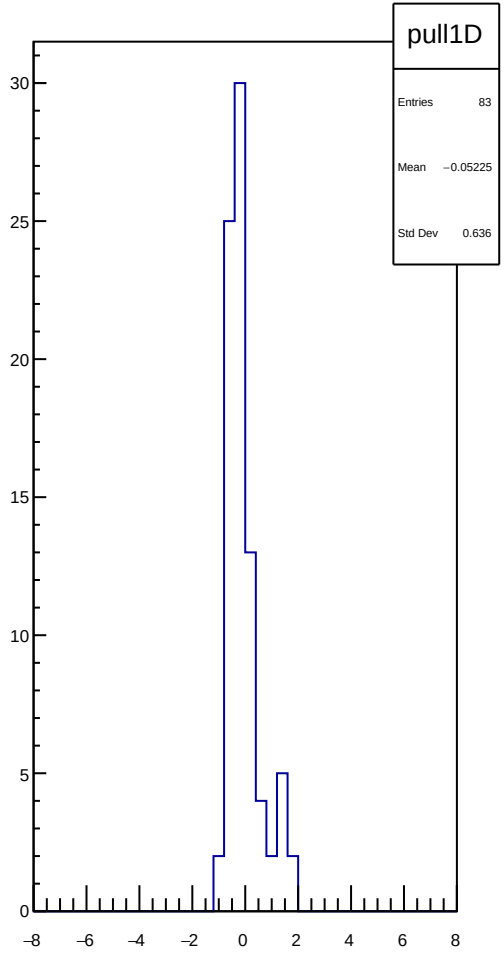

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.16 / 82
p0 2.727 ± 0.3874
pull
Entries 83
Mean −94.3
Std Dev 148.7

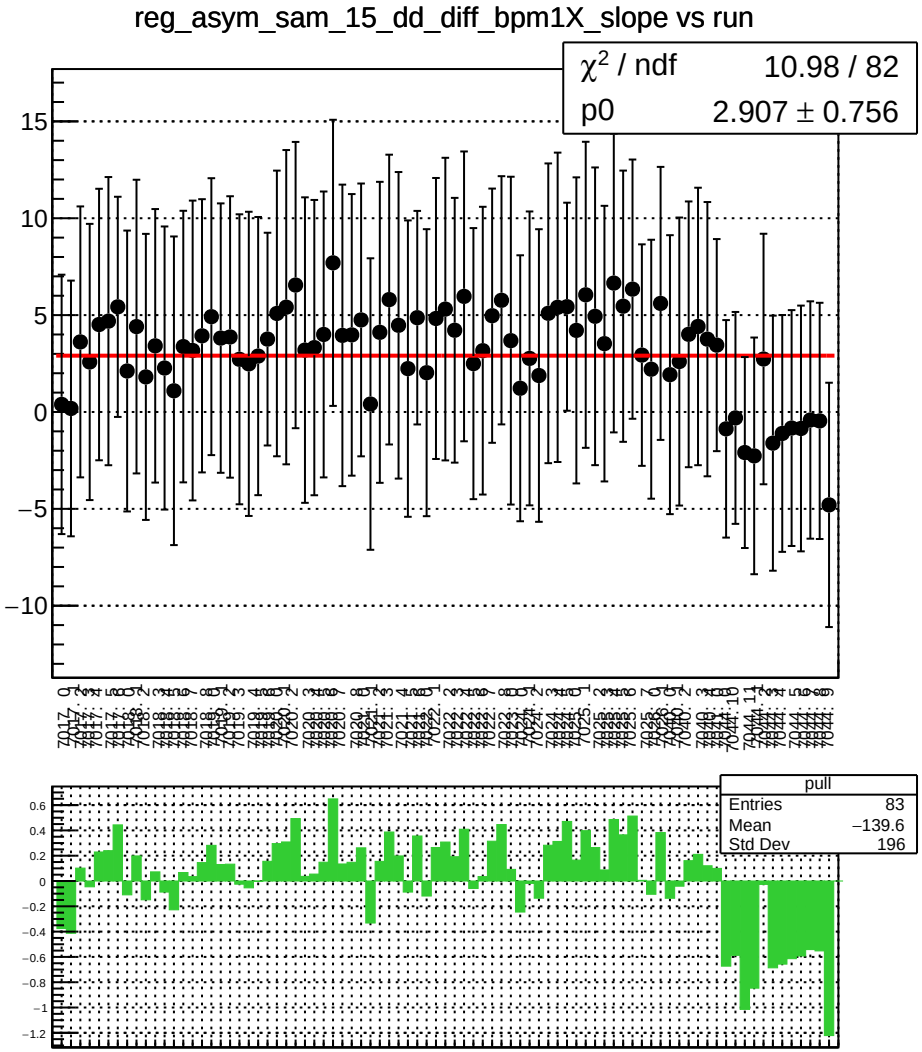

pull1D
Entries 83
Mean 0.03
Std Dev 0.412

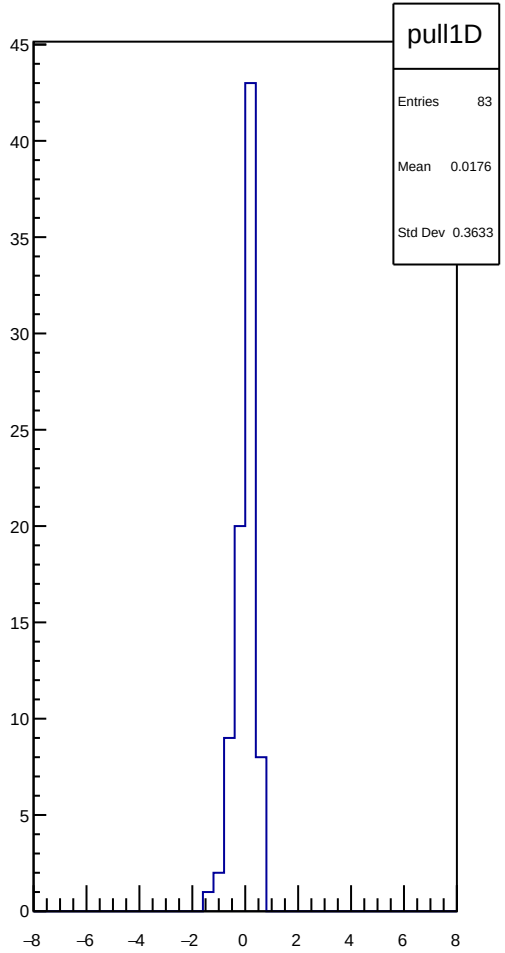

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.621 / 82
p0 52.32 ± 0.3009
pull
Entries 83
Mean 54.66
Std Dev 47.36

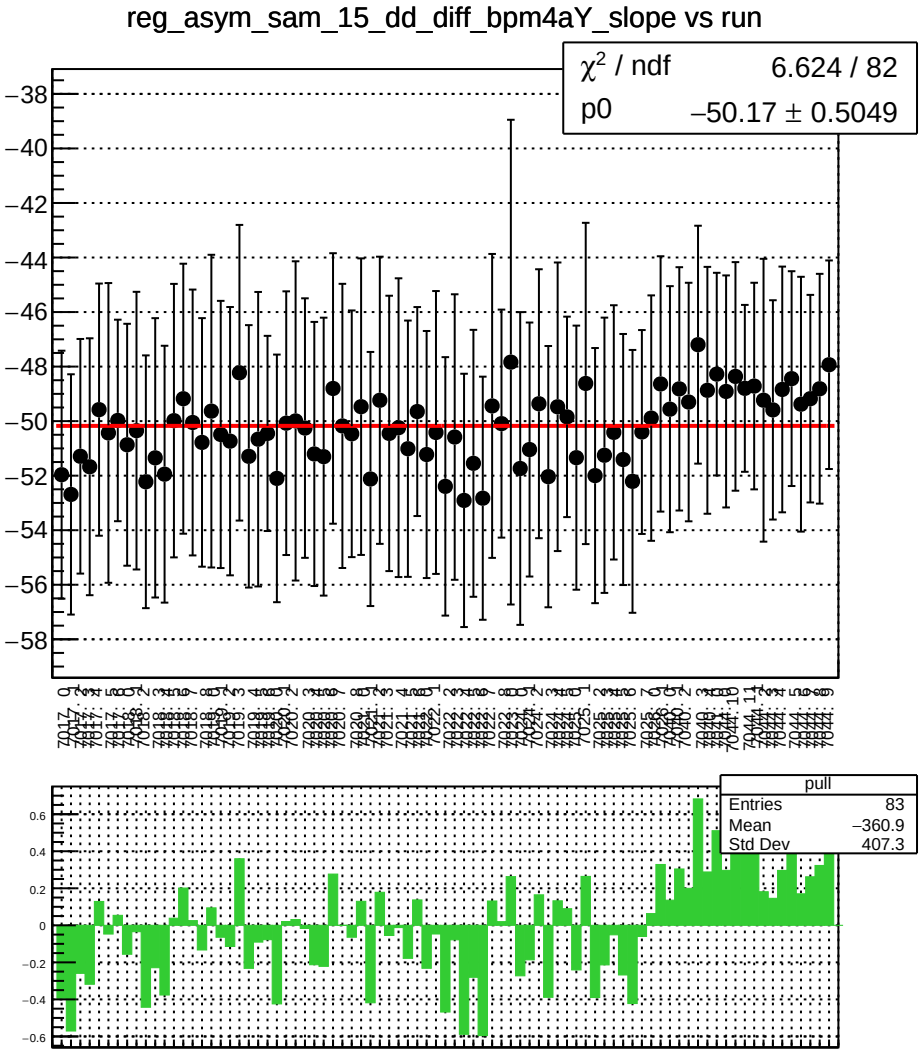

pull1D
Entries 83
Mean −0.01013
Std Dev 0.2823

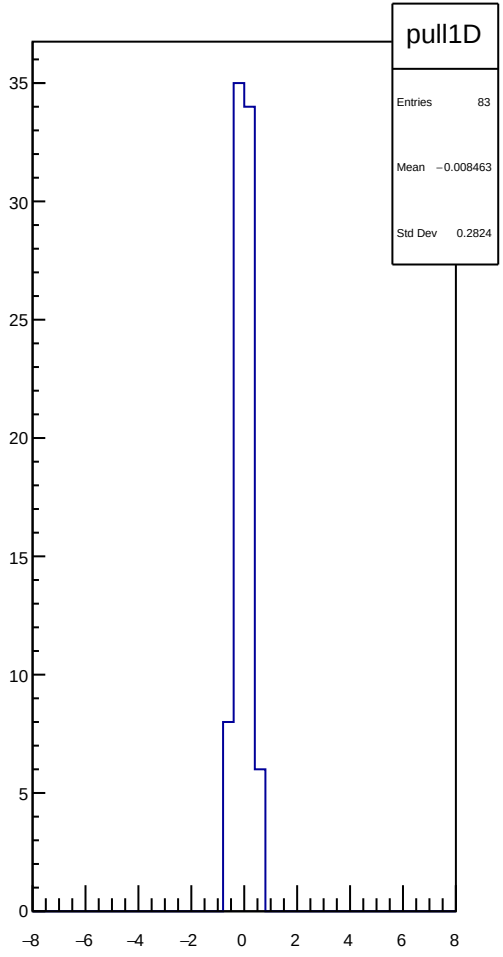

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 33.8 / 82
p0 −0.03587 ± 0.01414
pull
Entries 83
Mean −126
Std Dev 177.1

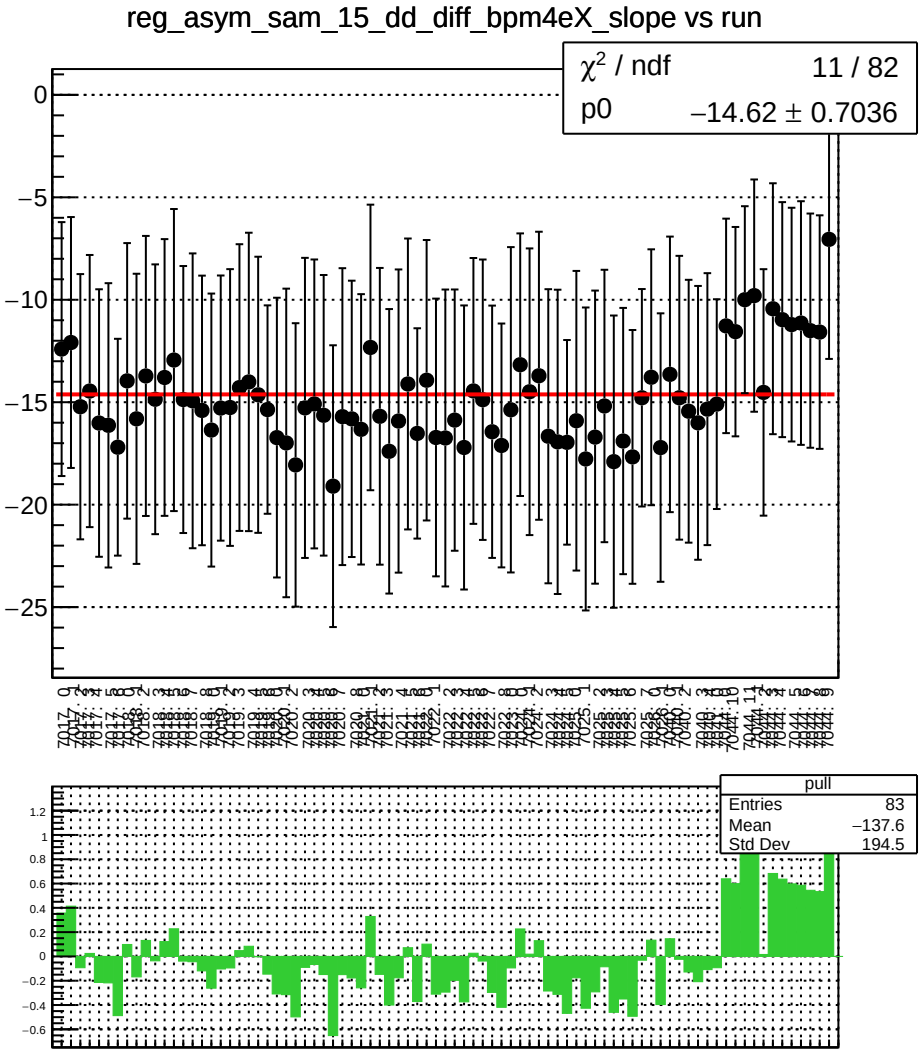

pull1D
Entries 83
Mean −0.05225
Std Dev 0.636

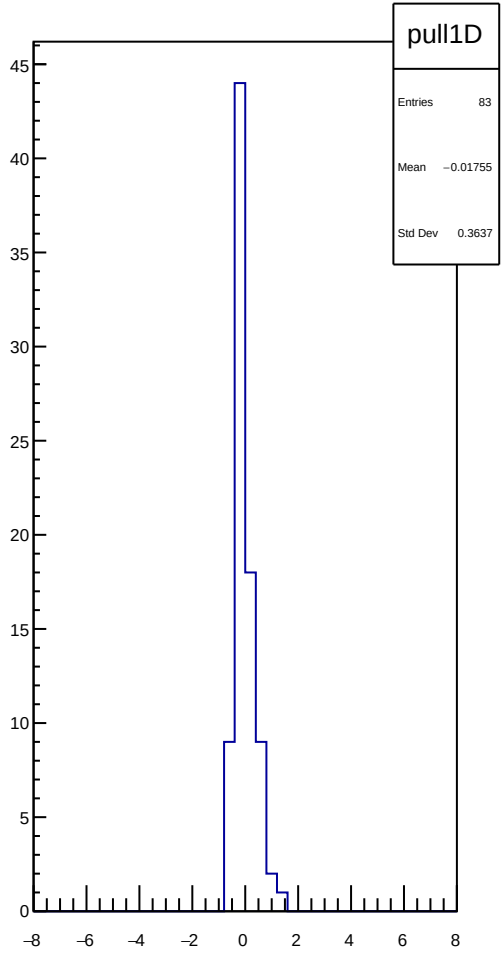

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.98 / 82
p0 2.907 ± 0.756
pull
Entries 83
Mean −139.6
Std Dev 196

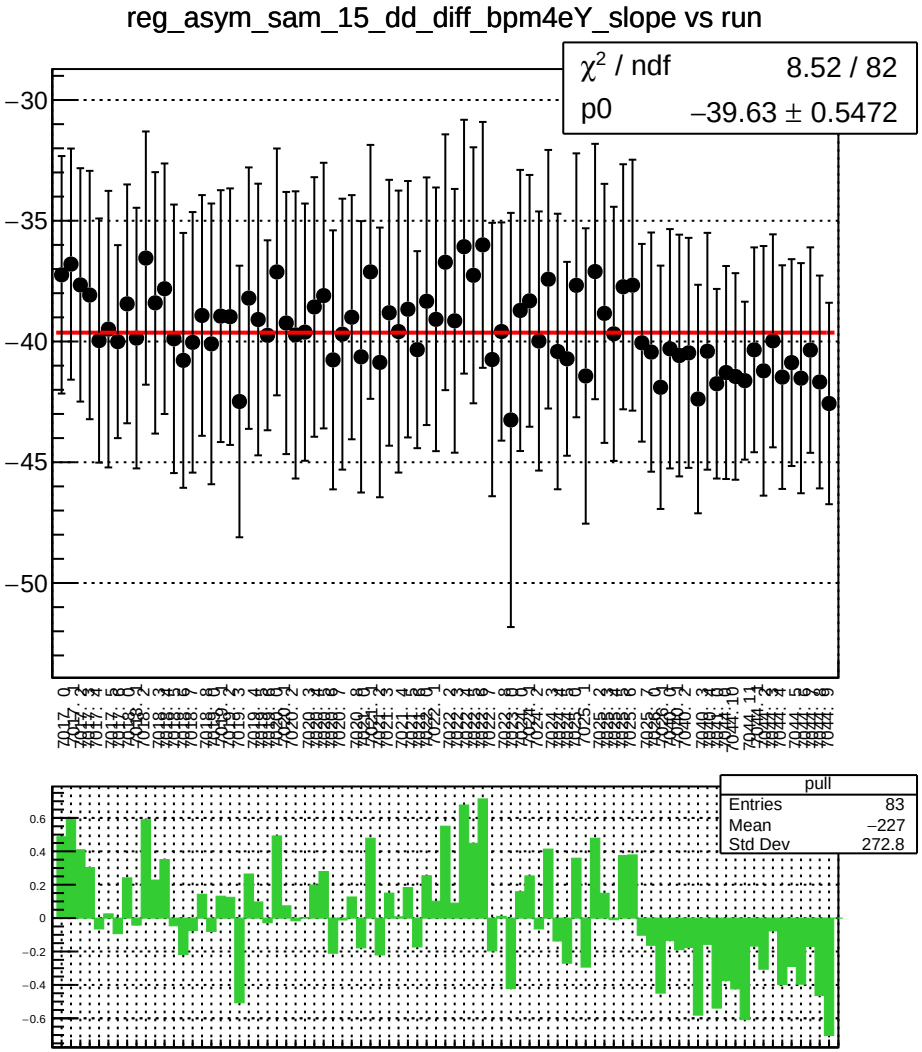

pull1D
Entries 83
Mean 0.0176
Std Dev 0.3633

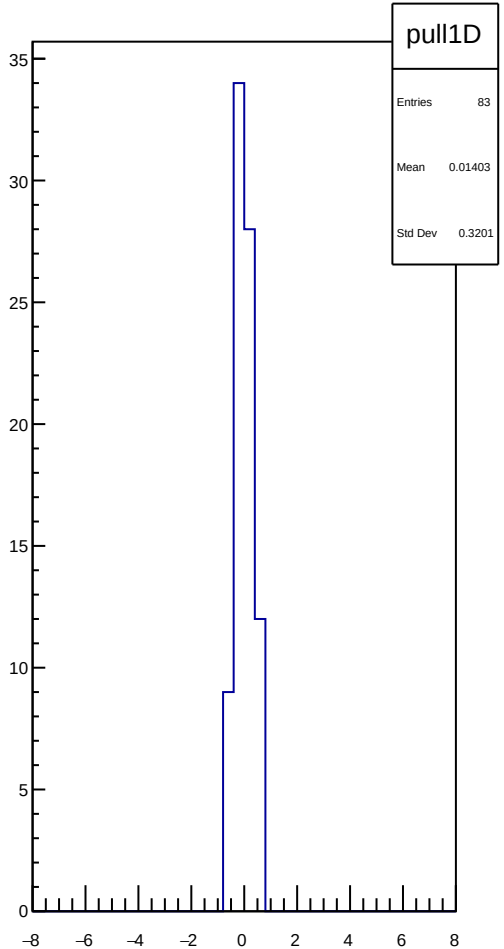

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.624 / 82
p0 −50.17 ± 0.5049
pull
Entries 83
Mean −360.9
Std Dev 407.3

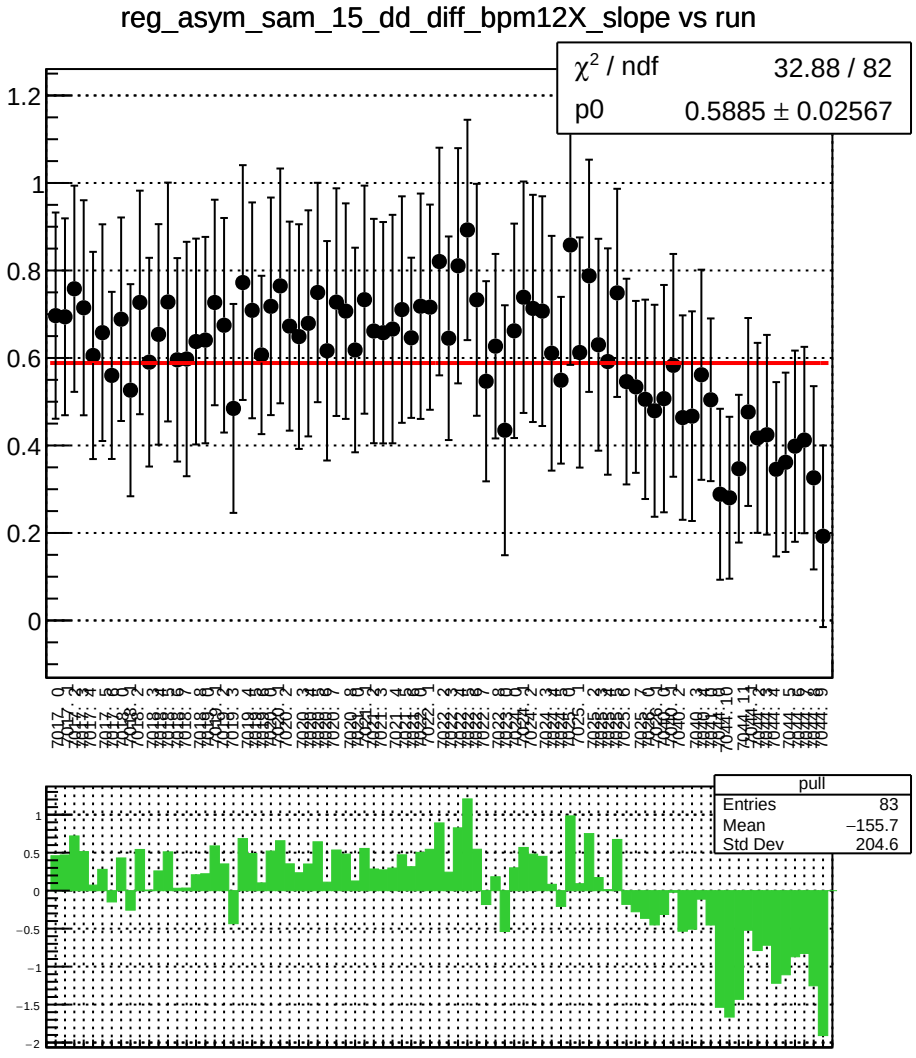

pull1D
Entries 83
Mean −0.008463
Std Dev 0.2824

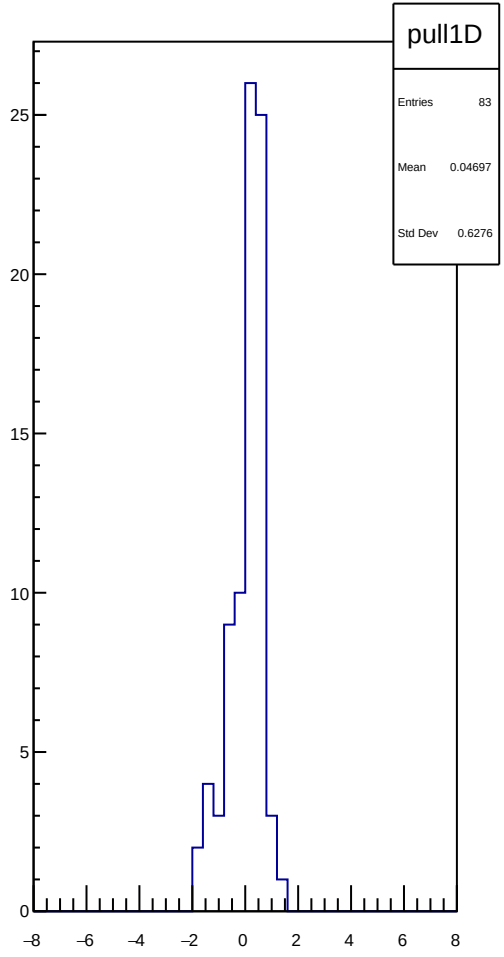

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 11 / 82
p0 −14.62 ± 0.7036
pull
Entries 83
Mean −137.6
Std Dev 194.5

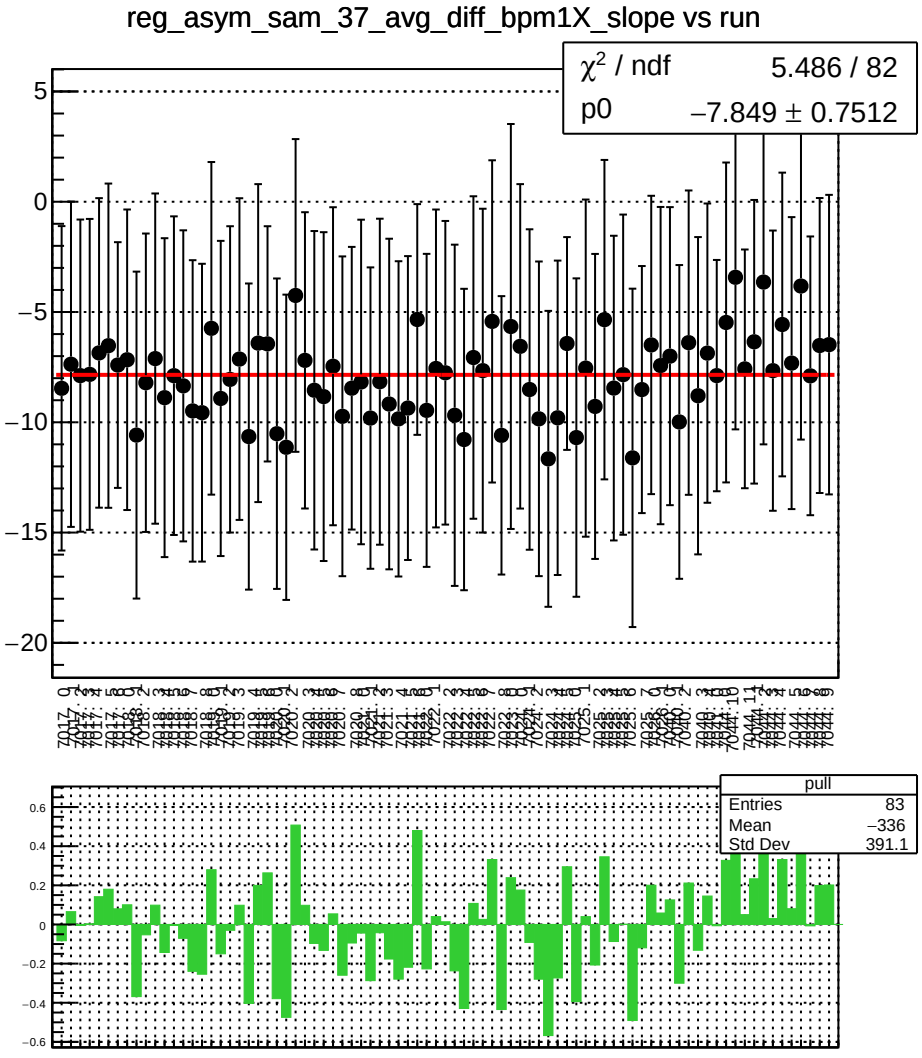

pull1D
Entries 83
Mean −0.01755
Std Dev 0.3637

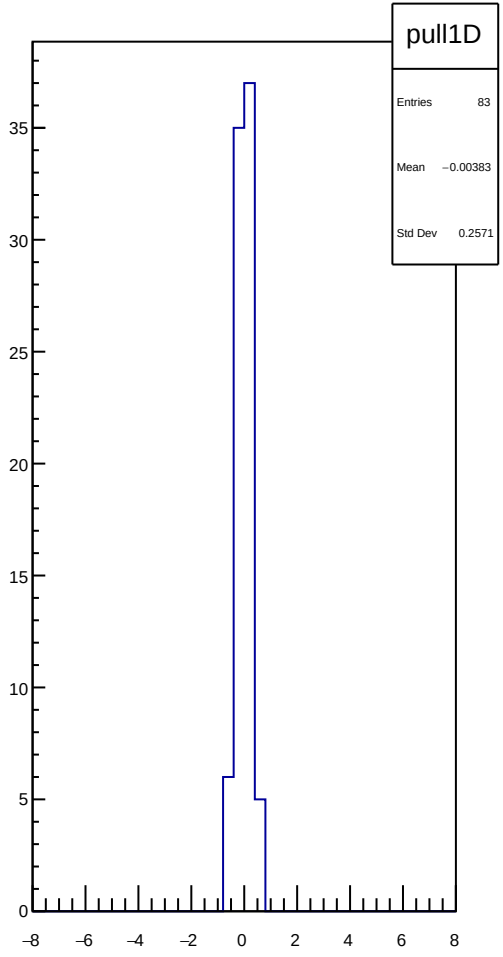

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.52 / 82
p0 −39.63 ± 0.5472
pull
Entries 83
Mean −227
Std Dev 272.8

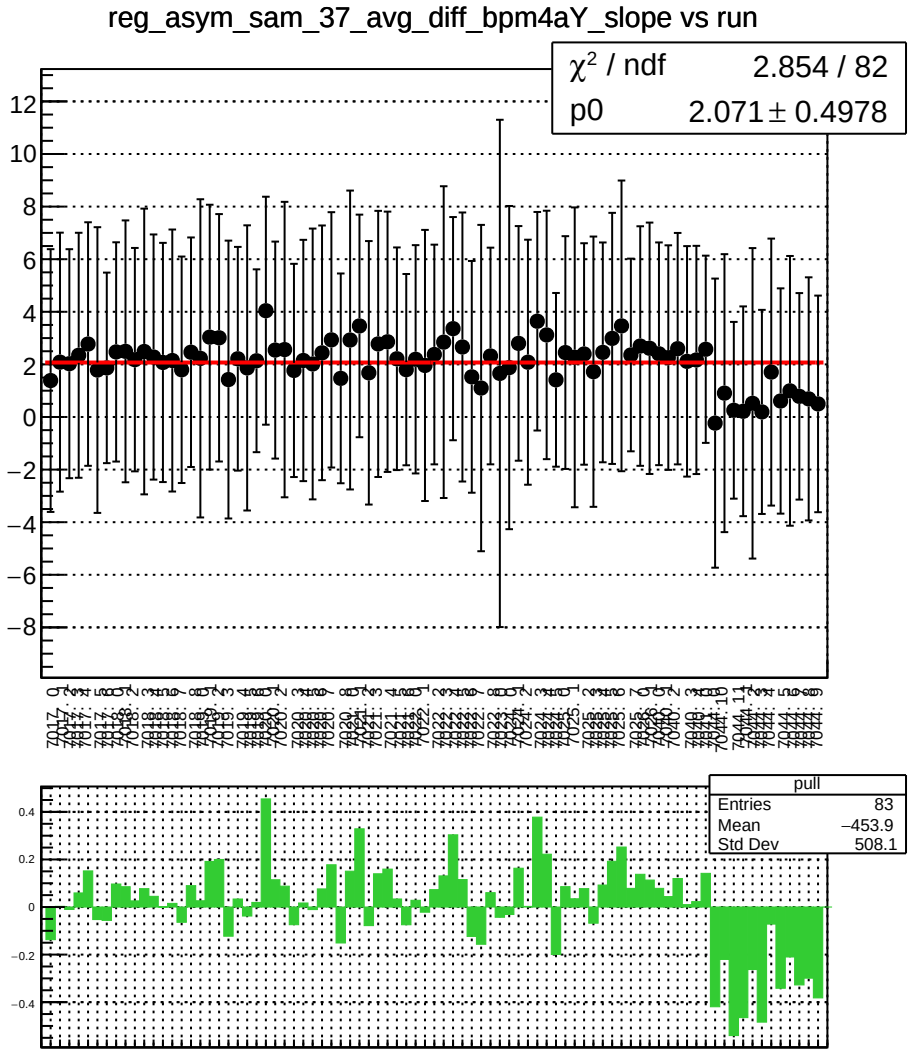

pull1D
Entries 83
Mean 0.01403
Std Dev 0.3201

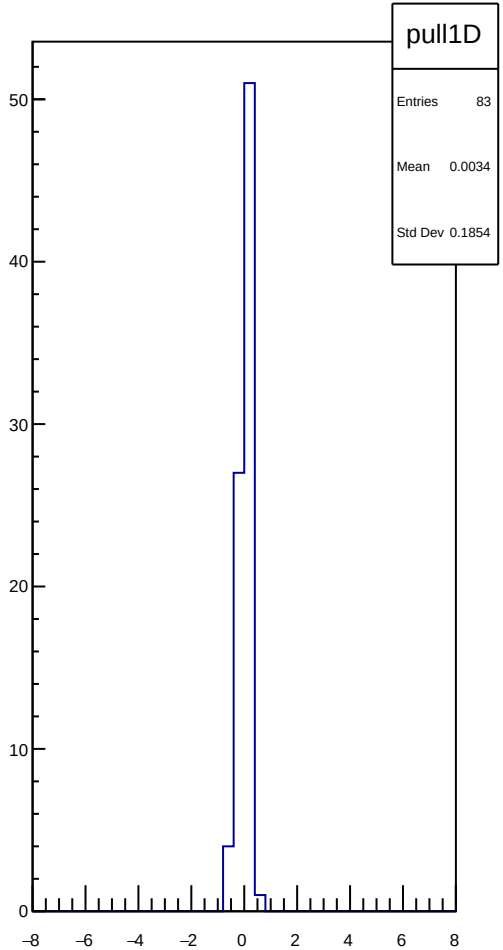

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.88 / 82
p0 0.5885 ± 0.02567
pull
Entries 83
Mean −155.7
Std Dev 204.6

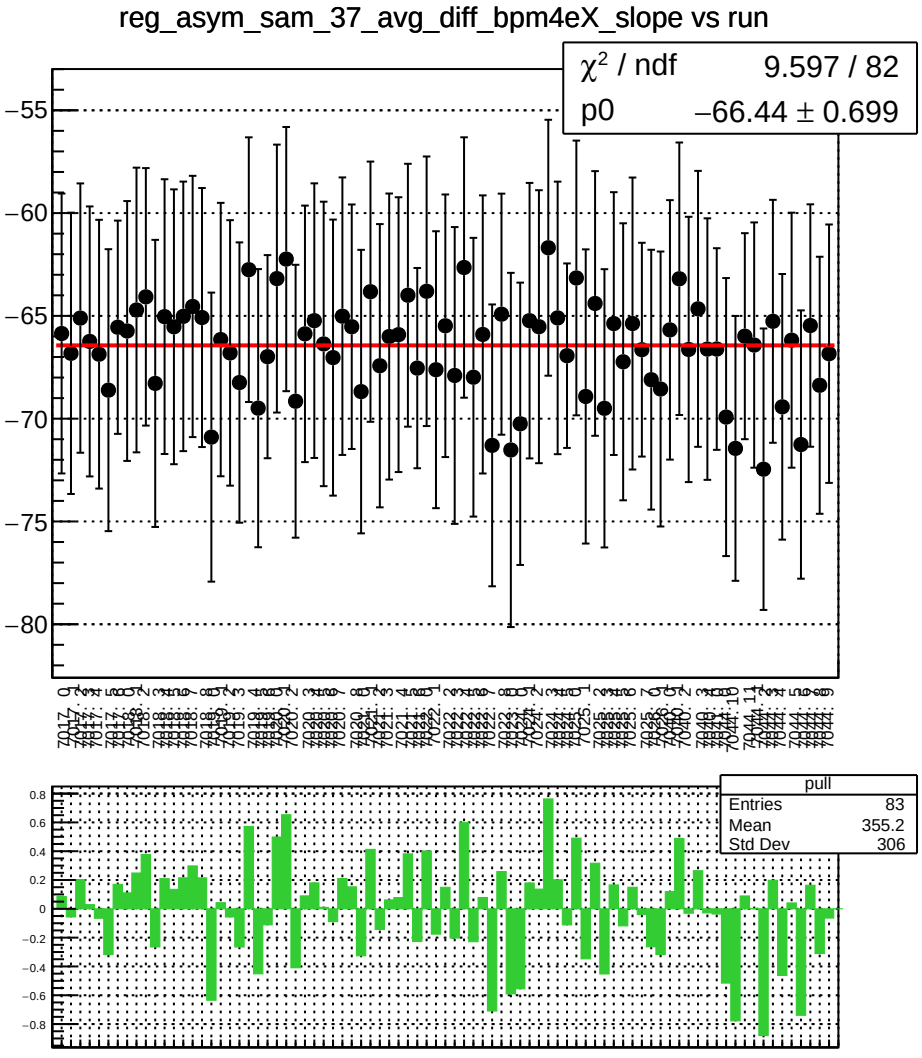

pull1D
Entries 83
Mean 0.04697
Std Dev 0.6276

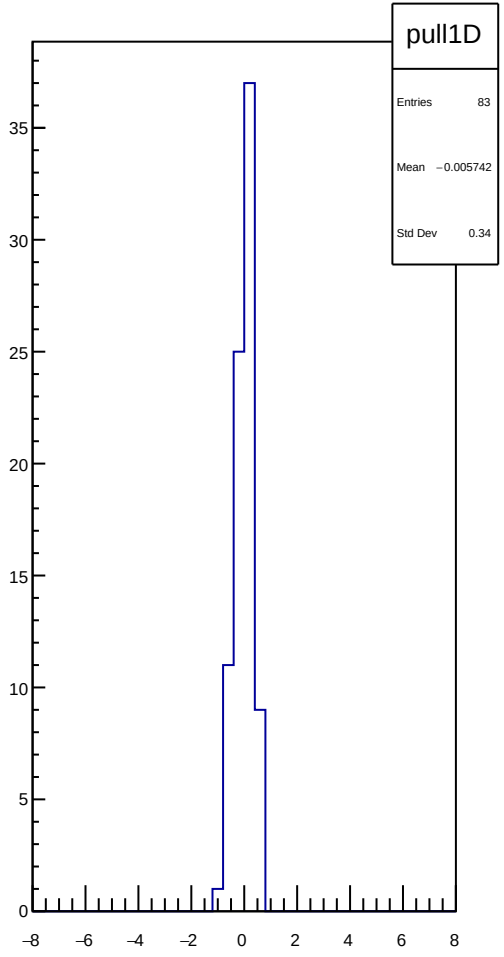

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.486 / 82
p0 −7.849 ± 0.7512
pull
Entries 83
Mean −336
Std Dev 391.1

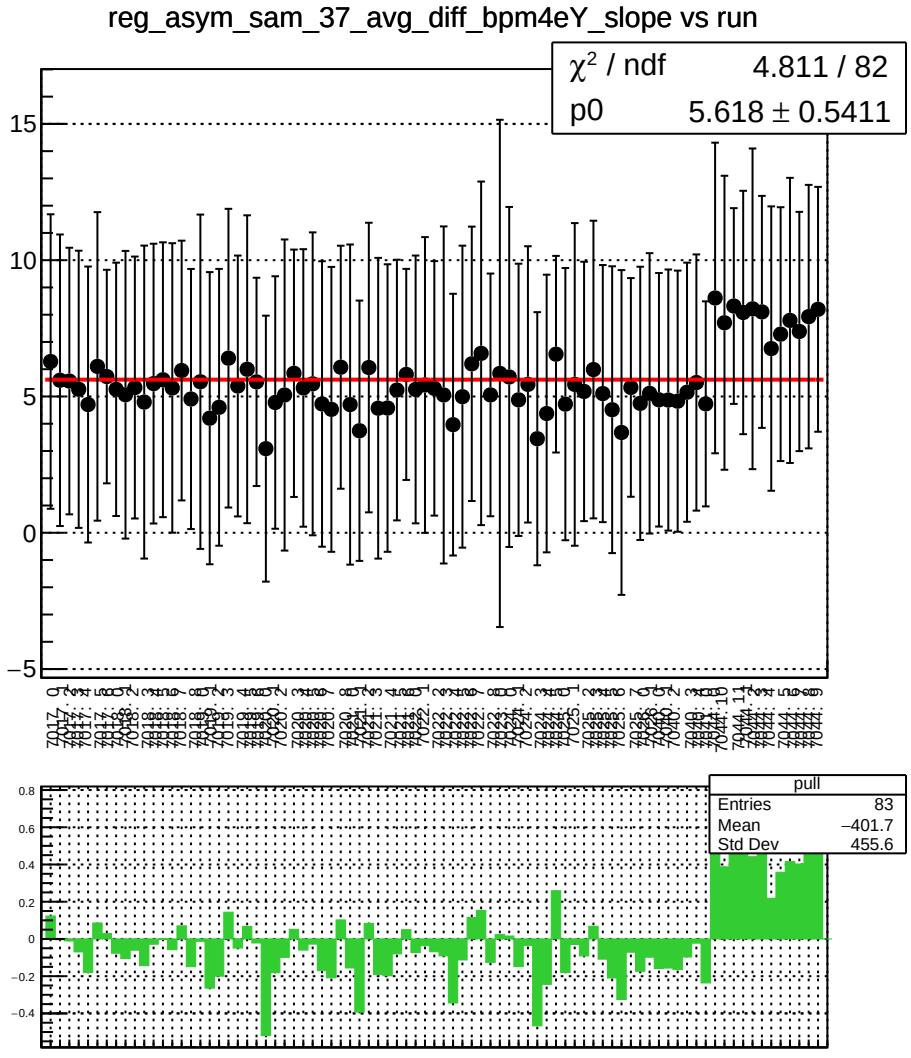

pull1D
Entries 83
Mean −0.00383
Std Dev 0.2571

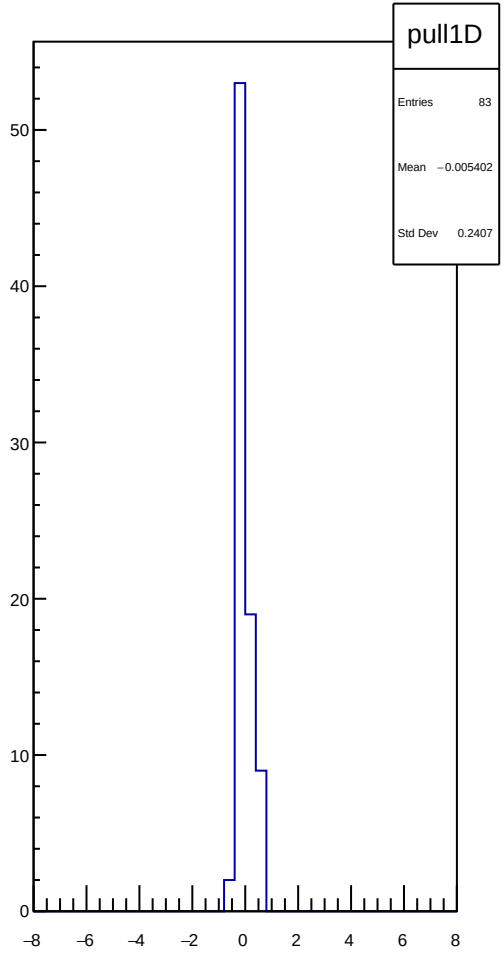

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.854 / 82
p0 2.071 ± 0.4978
pull
Entries 83
Mean −453.9
Std Dev 508.1

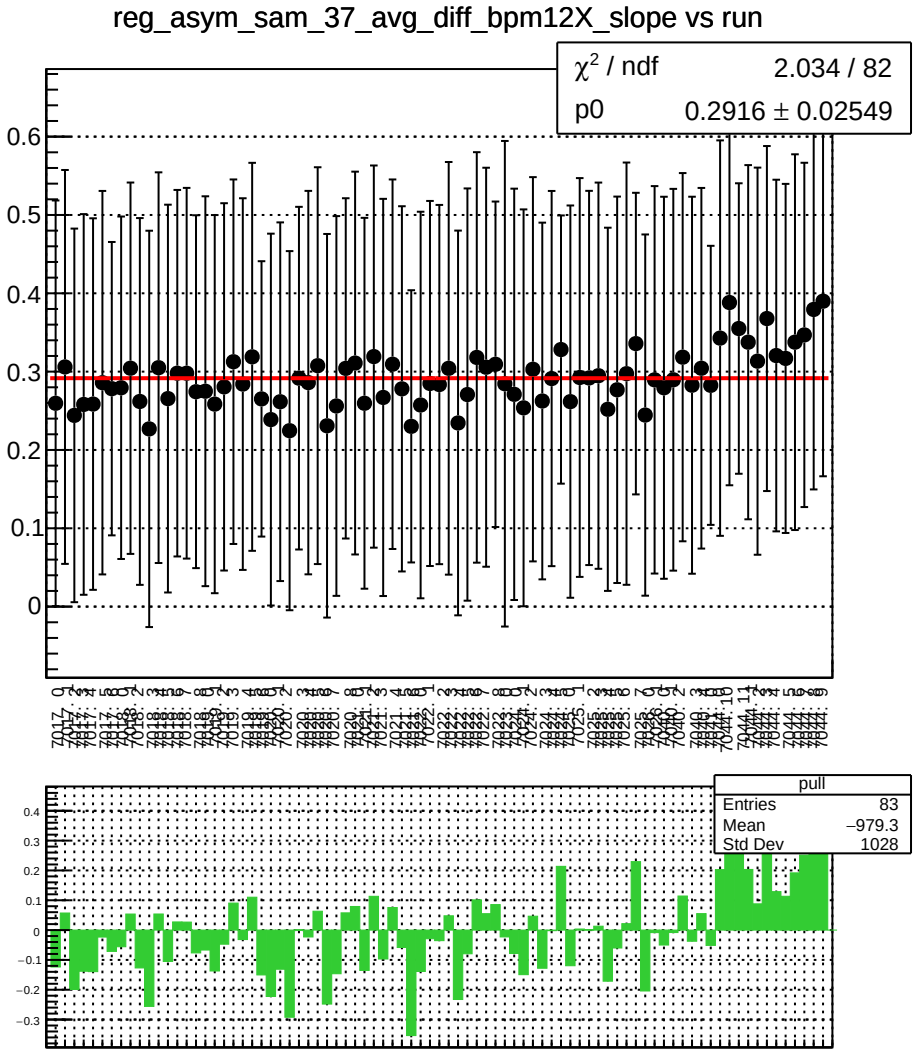

pull1D
Entries 83
Mean 0.0034
Std Dev 0.1854

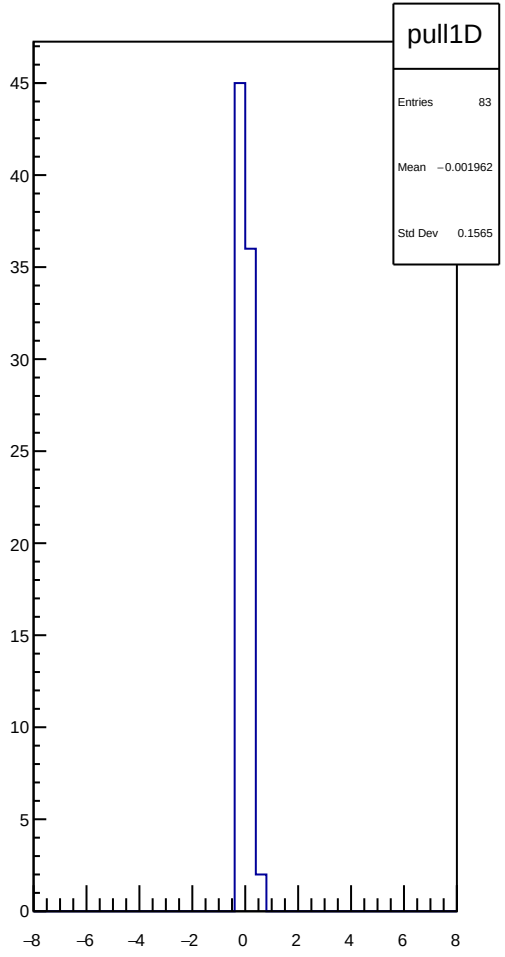

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.597 / 82
p0 −66.44 ± 0.699
pull
Entries 83
Mean 355.2
Std Dev 306

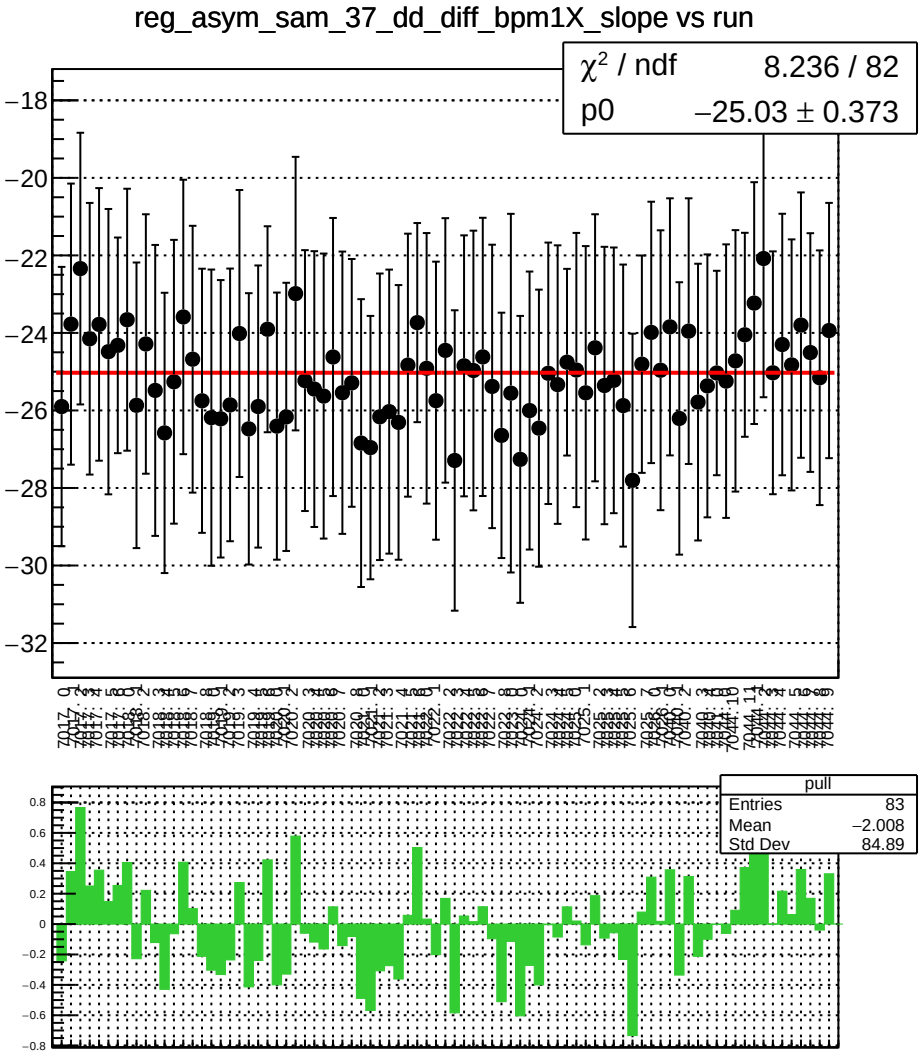

pull1D
Entries 83
Mean −0.005742
Std Dev 0.34

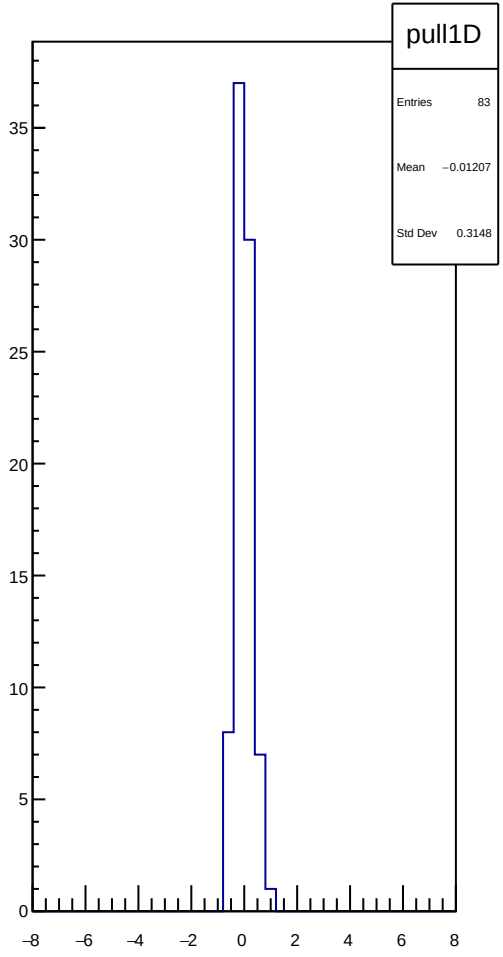

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.811 / 82
p0 5.618 ± 0.5411
pull
Entries 83
Mean −401.7
Std Dev 455.6

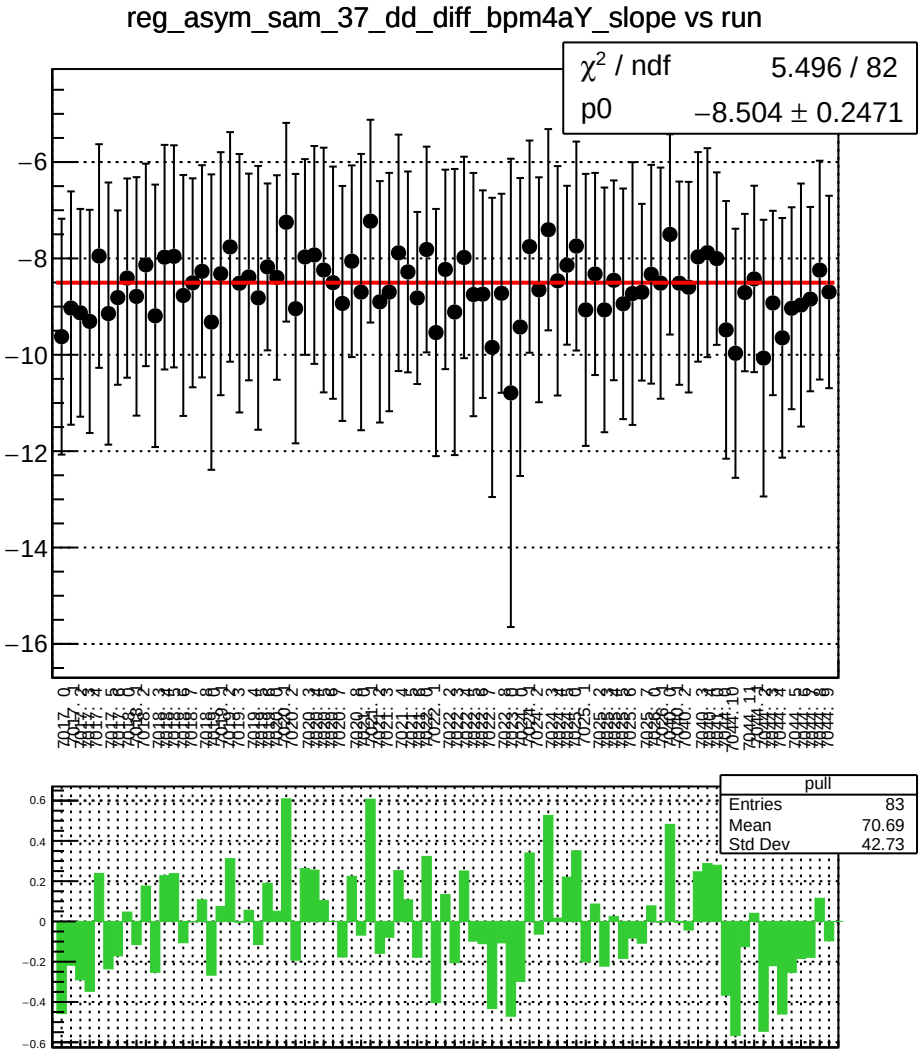

pull1D
Entries 83
Mean −0.005402
Std Dev 0.2407

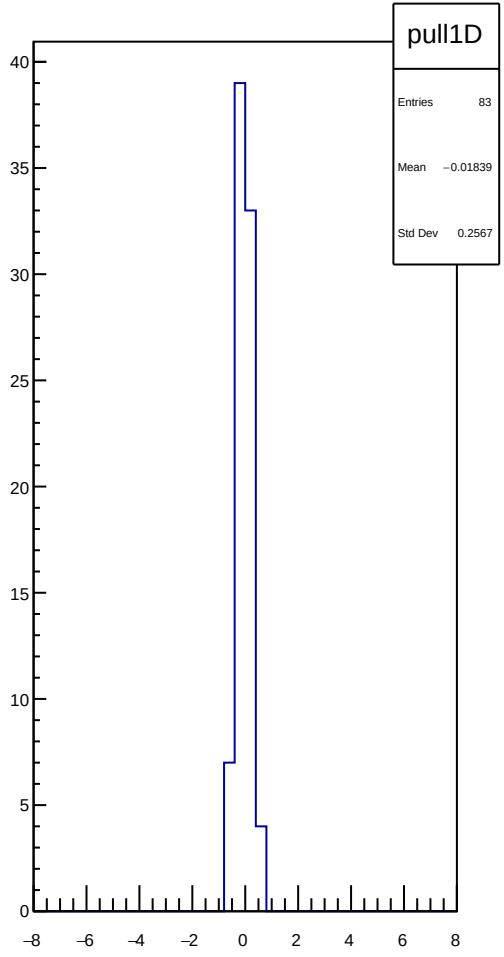

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.034 / 82
p0 0.2916 ± 0.02549
pull
Entries 83
Mean −979.3
Std Dev 1028

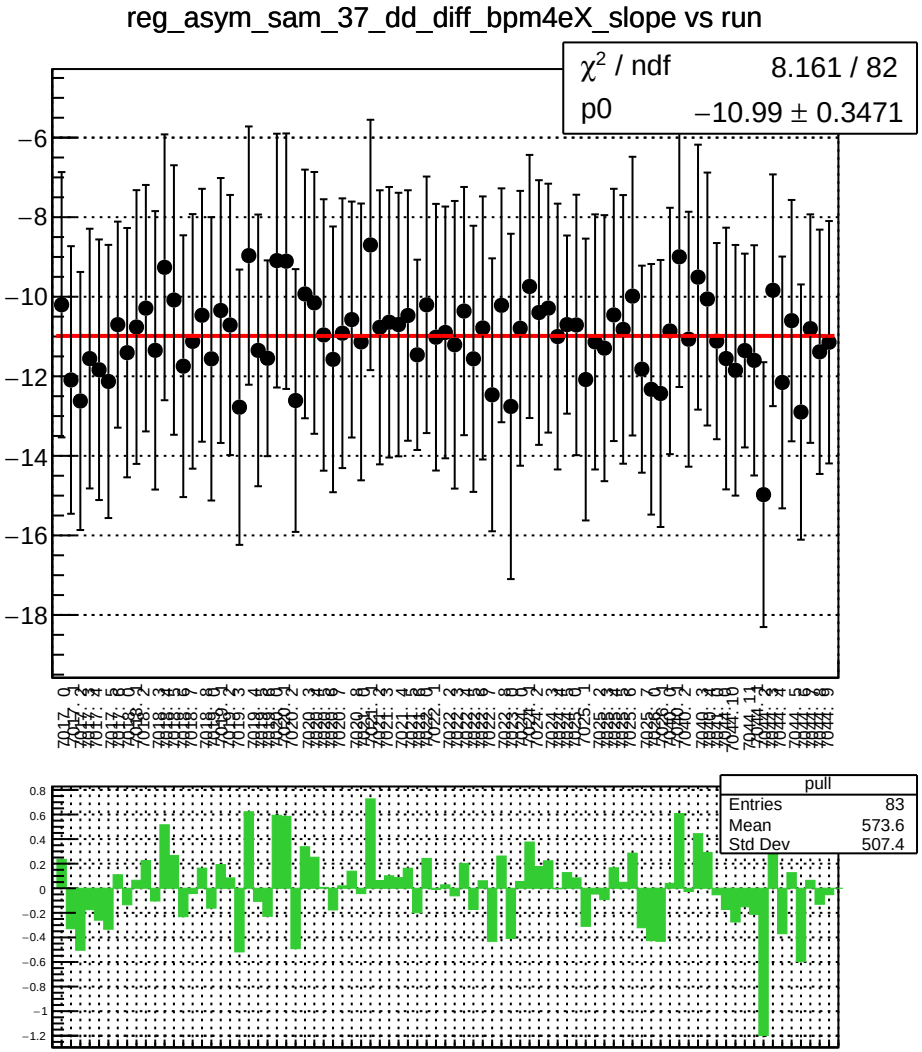

pull1D
Entries 83
Mean −0.001962
Std Dev 0.1565

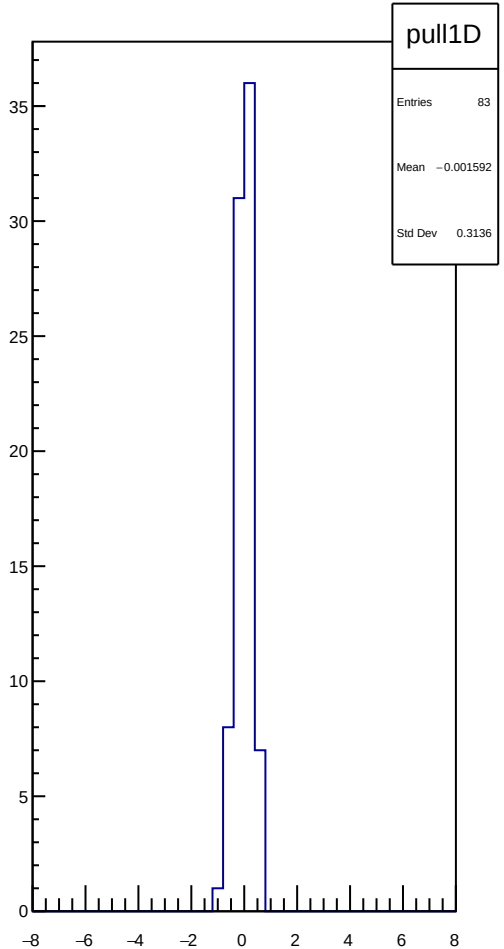

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.236 / 82
p0 −25.03 ± 0.373
pull
Entries 83
Mean −2.008
Std Dev 84.89

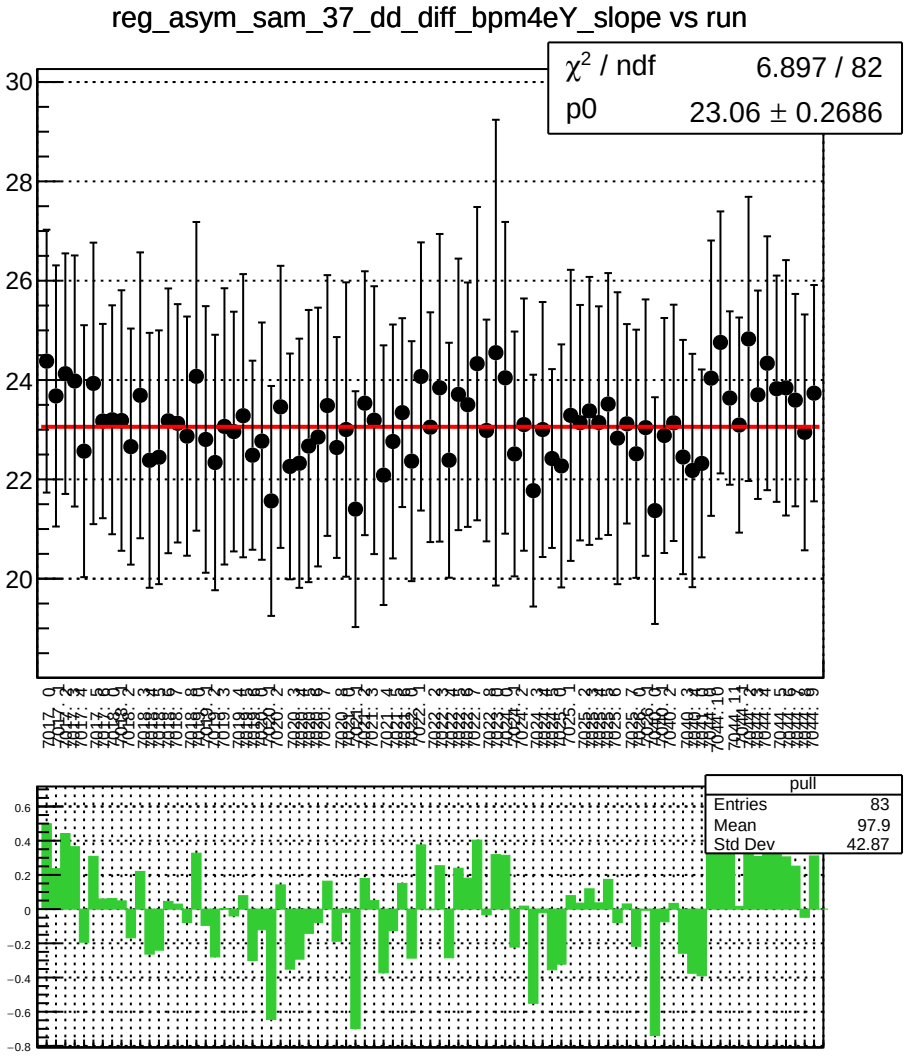

pull1D
Entries 83
Mean −0.01207
Std Dev 0.3148

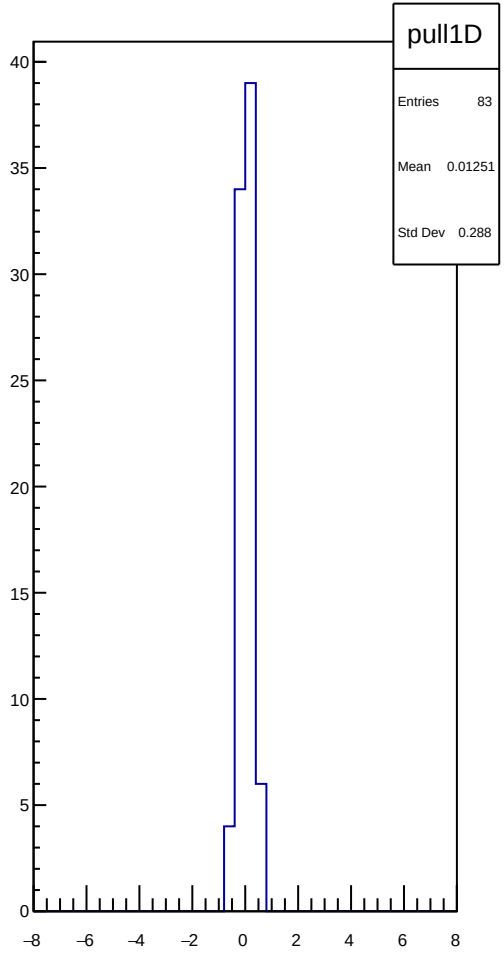

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 5.496 / 82
p0 −8.504 ± 0.2471
pull
Entries 83
Mean 70.69
Std Dev 42.73

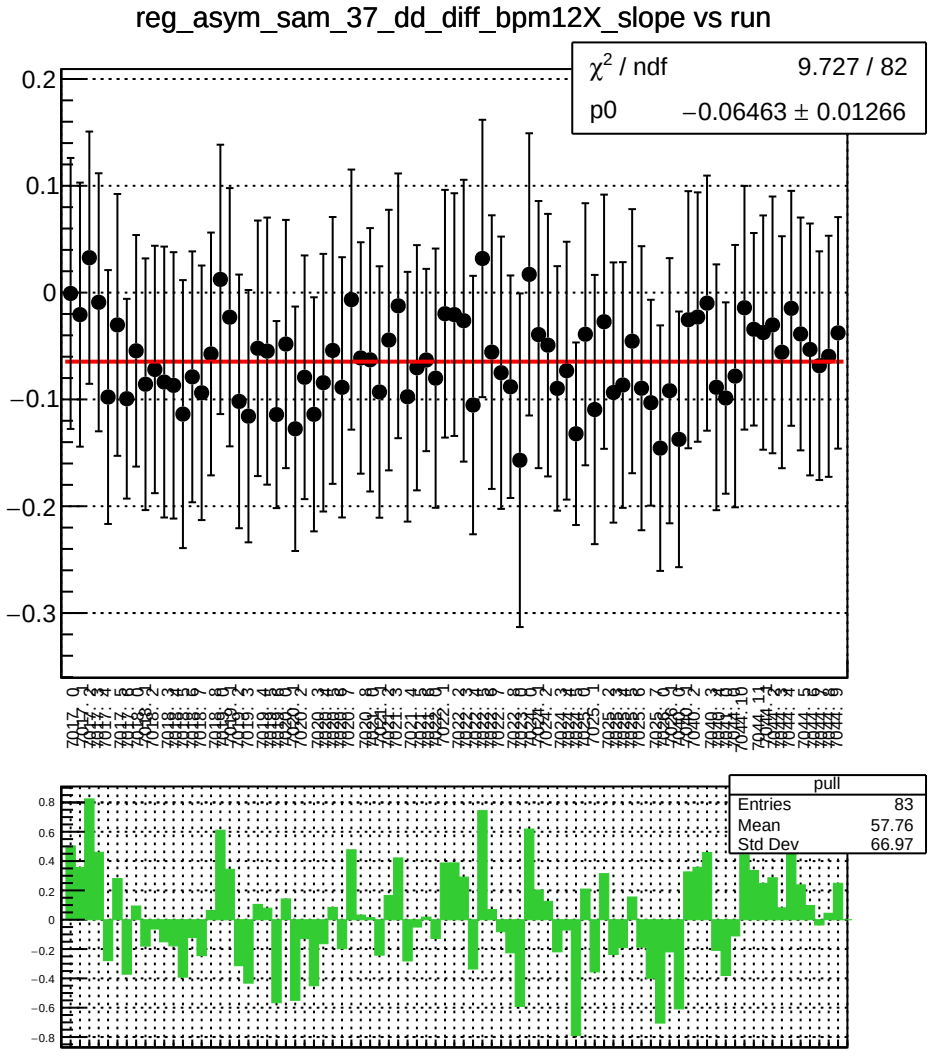

pull1D
Entries 83
Mean −0.01839
Std Dev 0.2567

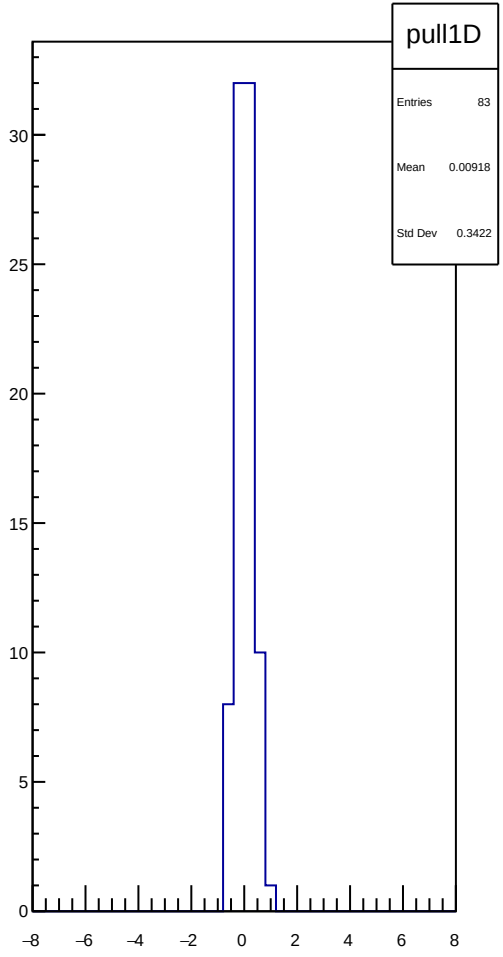

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.161 / 82
p0 −10.99 ± 0.3471
pull
Entries 83
Mean 573.6
Std Dev 507.4

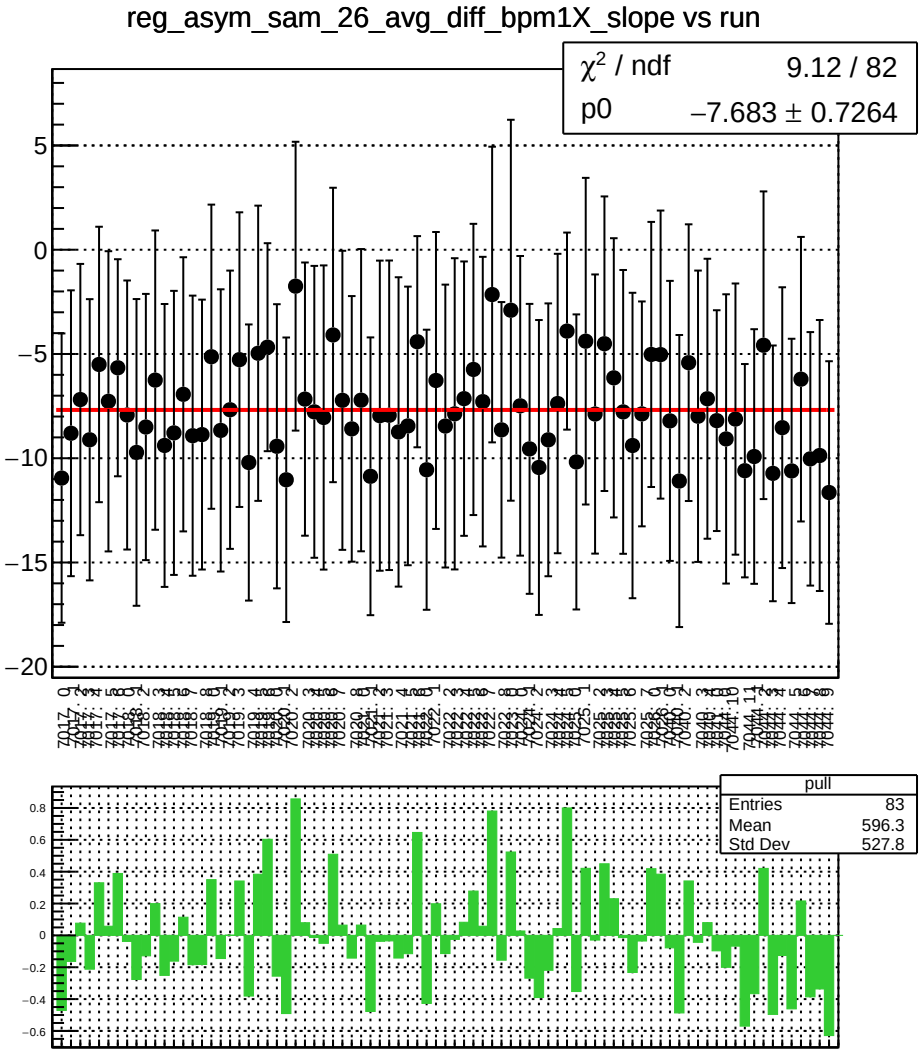

pull1D
Entries 83
Mean −0.001592
Std Dev 0.3136

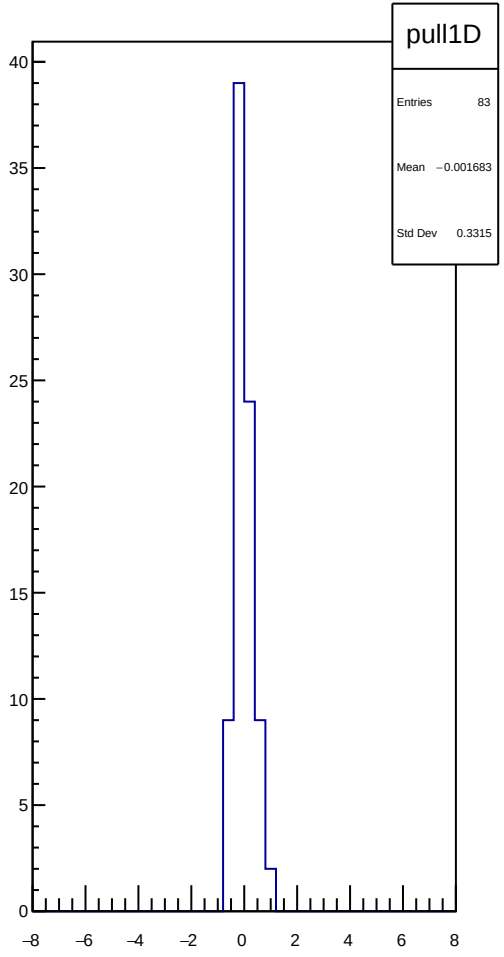

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.897 / 82
p0 23.06 ± 0.2686
pull
Entries 83
Mean 97.9
Std Dev 42.87

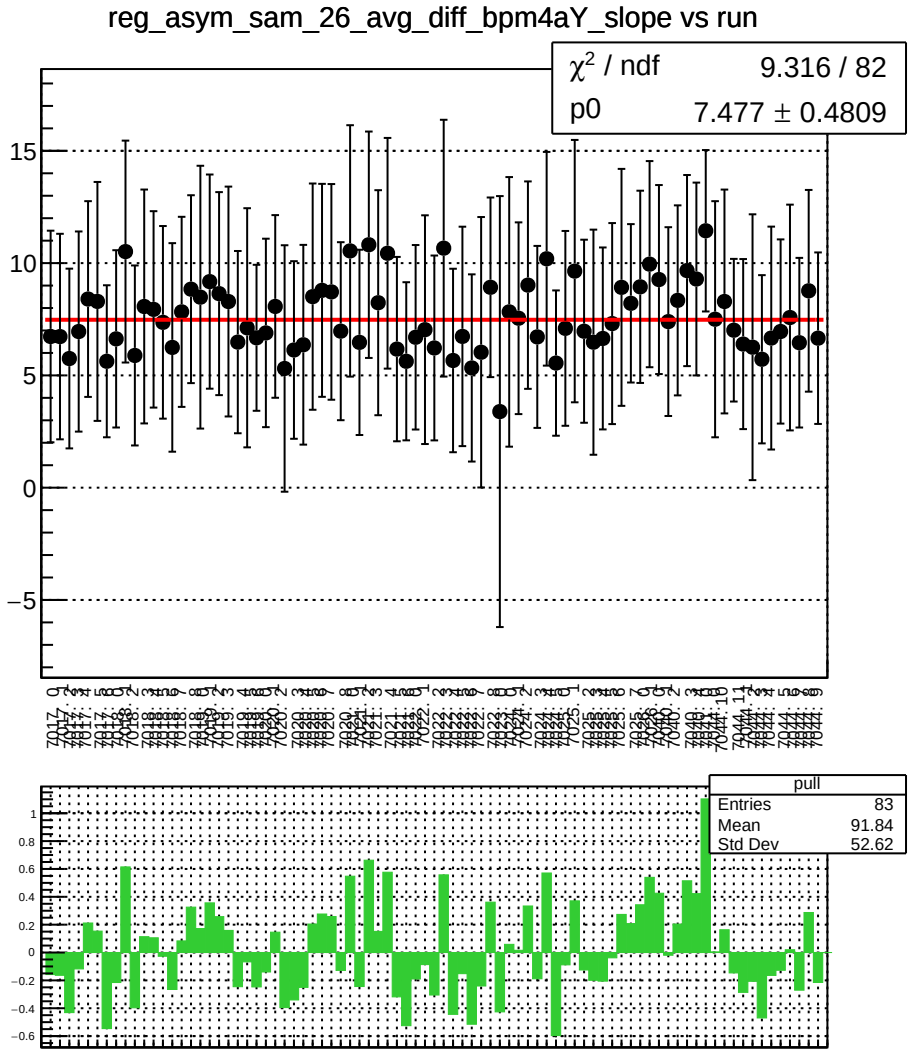

pull1D
Entries 83
Mean 0.01251
Std Dev 0.288

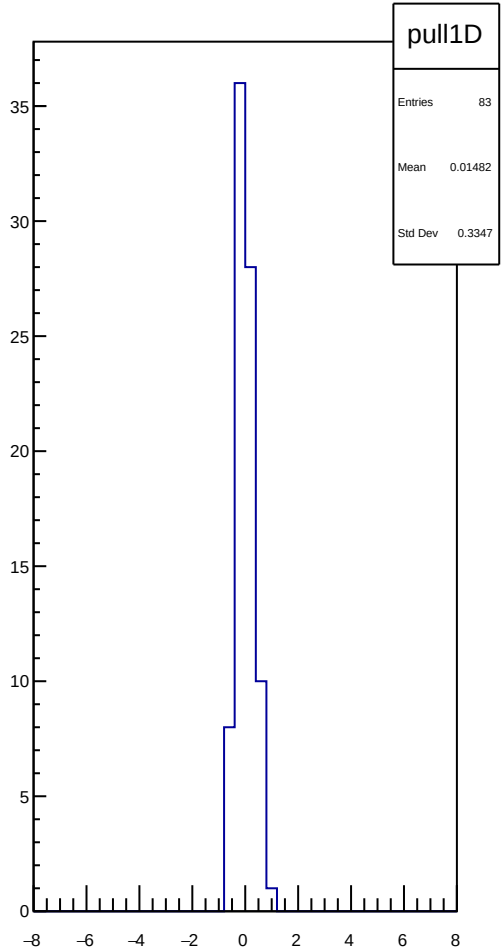

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 9.727 / 82
p0 −0.06463 ± 0.01266
pull
Entries 83
Mean 57.76
Std Dev 66.97

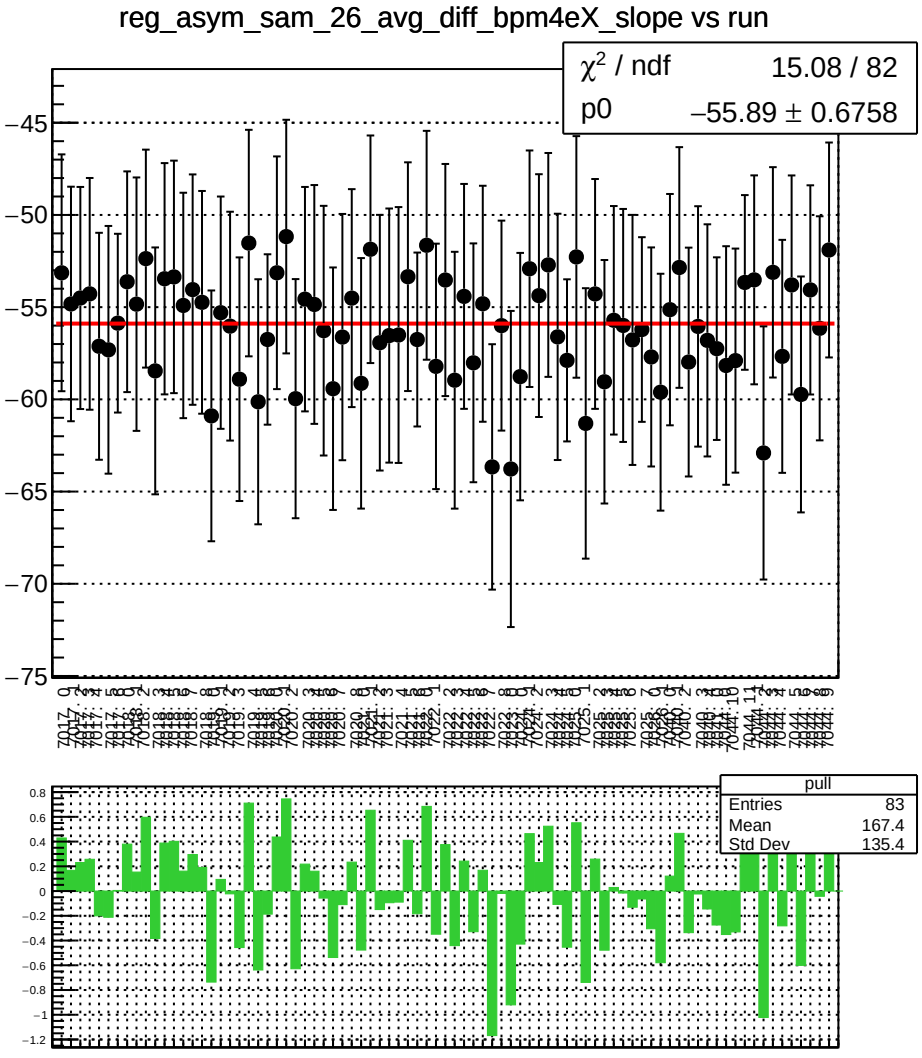

pull1D
Entries 83
Mean 0.00918
Std Dev 0.3422

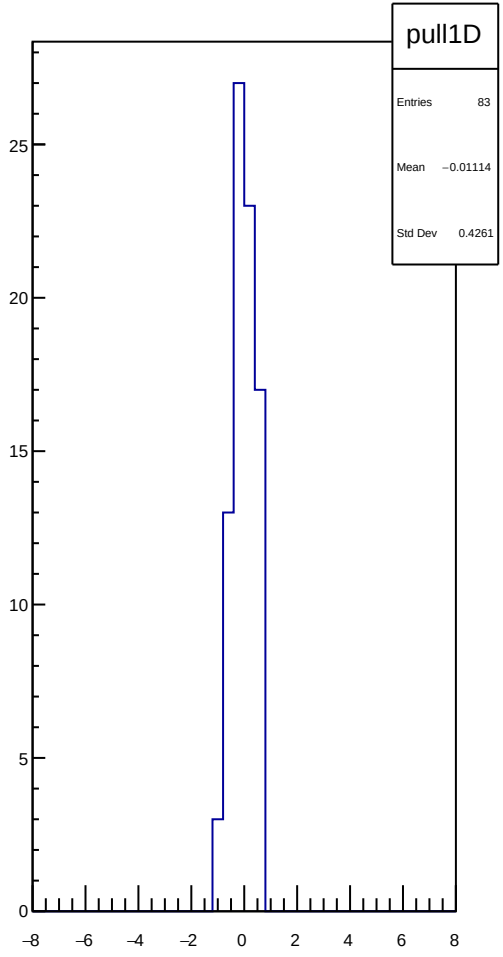

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 9.12 / 82
p0 −7.683 ± 0.7264
pull
Entries 83
Mean 596.3
Std Dev 527.8

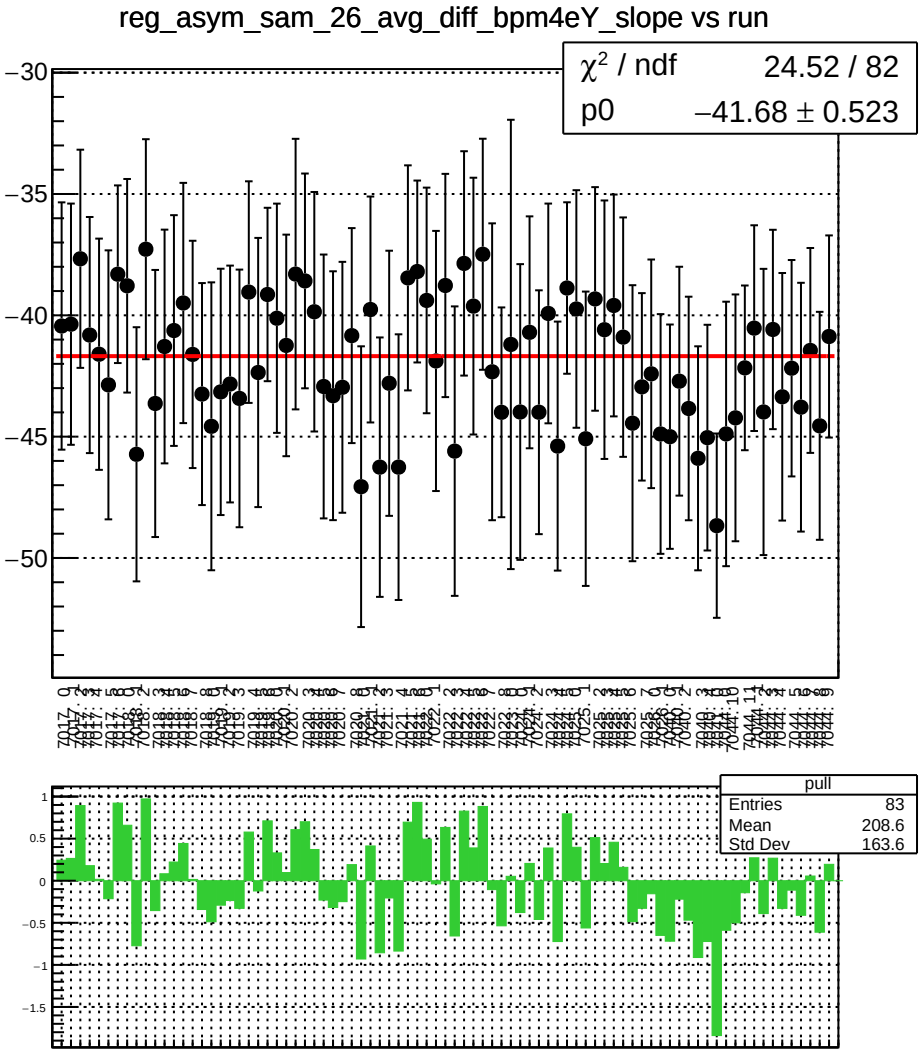

pull1D
Entries 83
Mean −0.001683
Std Dev 0.3315

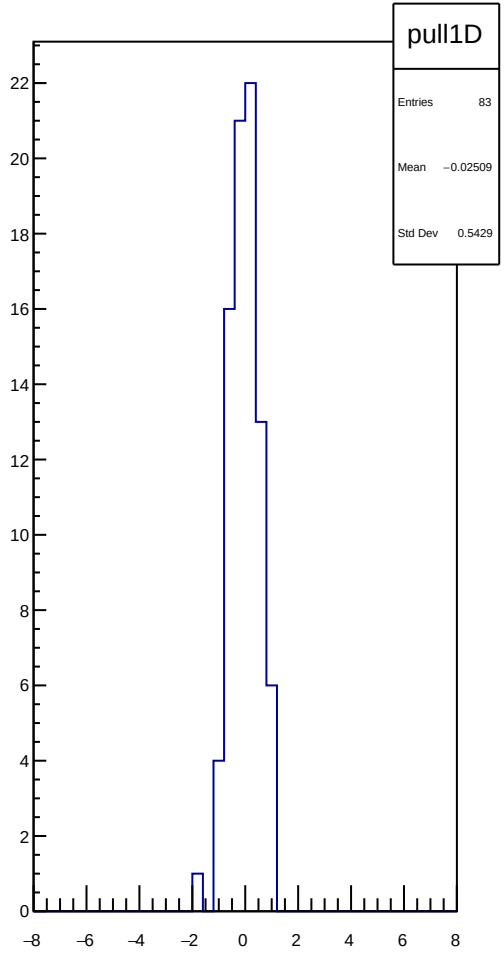

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.316 / 82
p0 7.477 ± 0.4809
pull
Entries 83
Mean 91.84
Std Dev 52.62

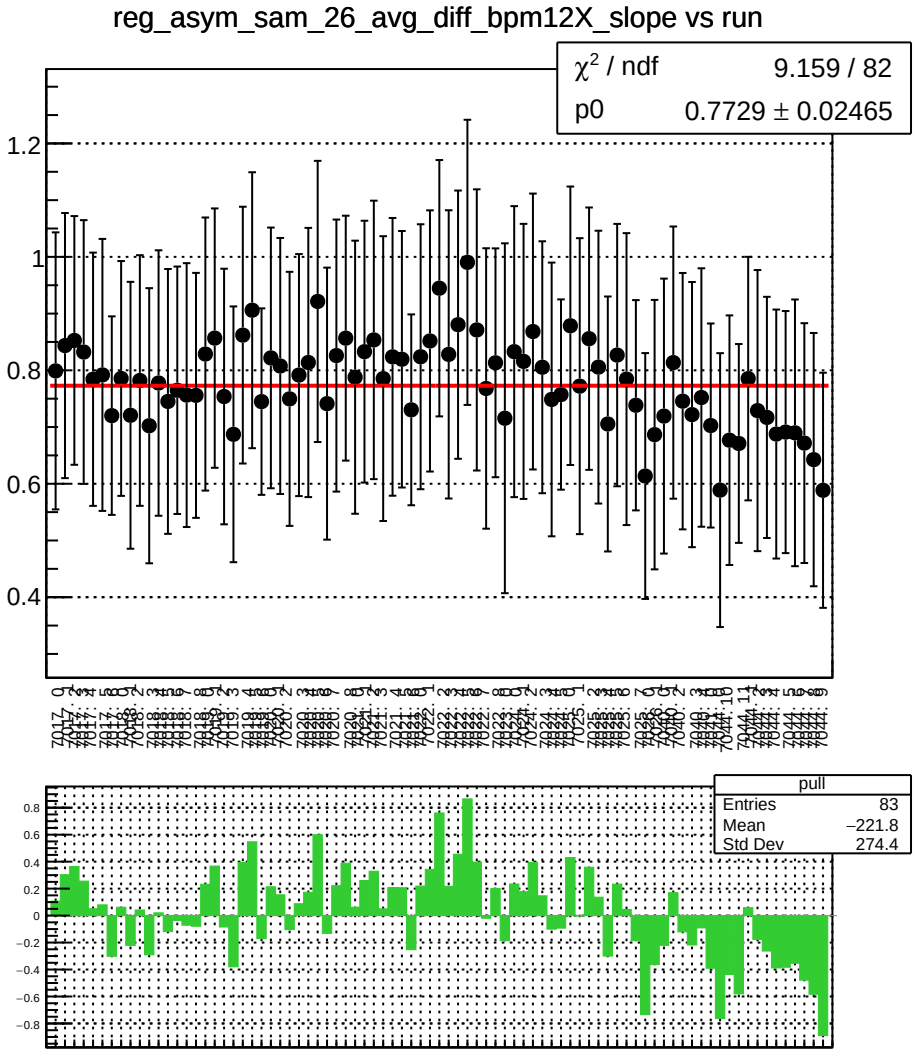

pull1D
Entries 83
Mean 0.01482
Std Dev 0.3347

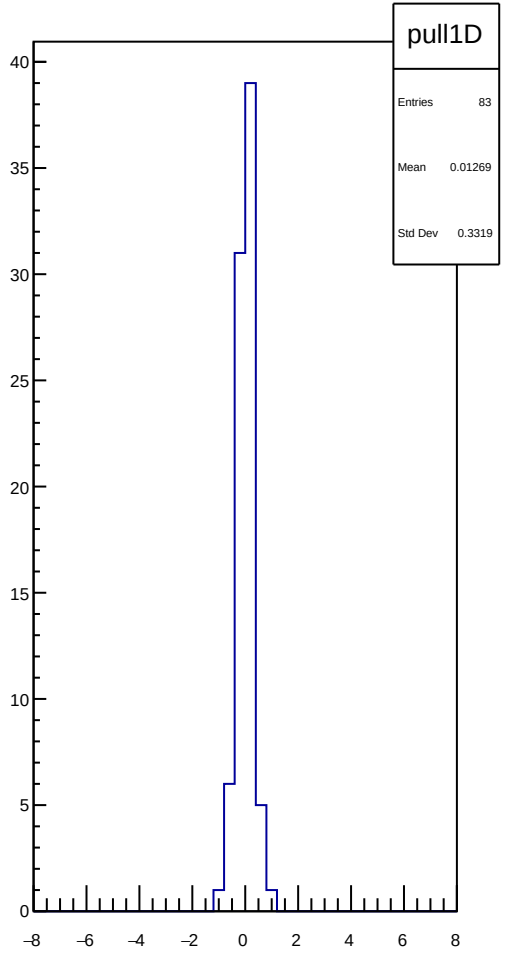

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 15.08 / 82
p0 −55.89 ± 0.6758
pull
Entries 83
Mean 167.4
Std Dev 135.4

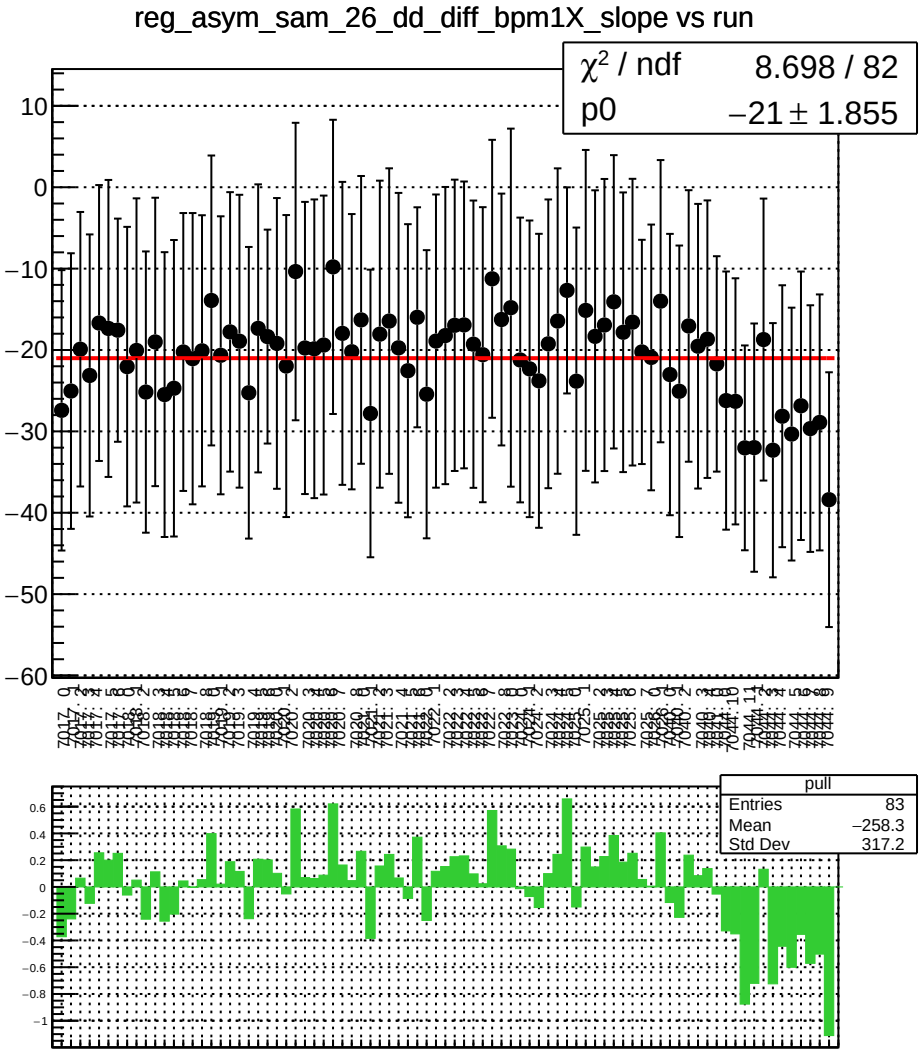

pull1D
Entries 83
Mean −0.01114
Std Dev 0.4261

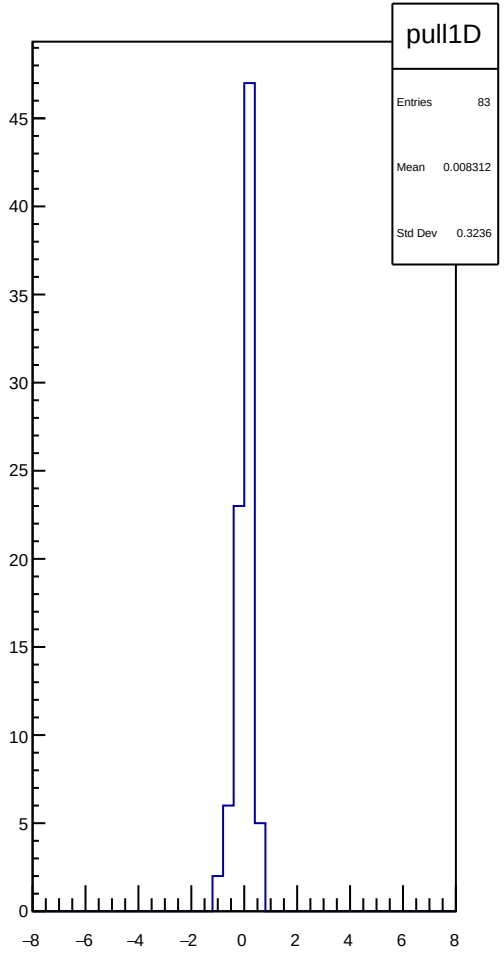

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.52 / 82
p0 −41.68 ± 0.523
pull
Entries 83
Mean 208.6
Std Dev 163.6

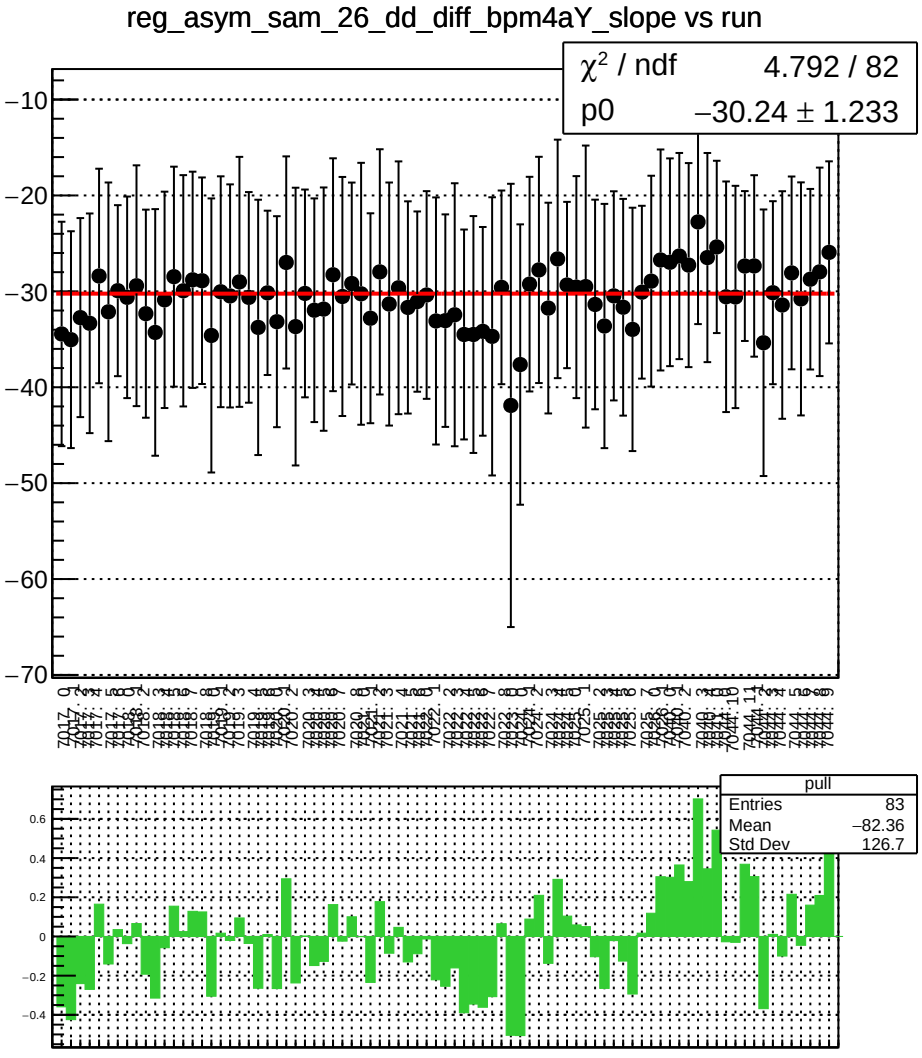

pull1D
Entries 83
Mean −0.02509
Std Dev 0.5429

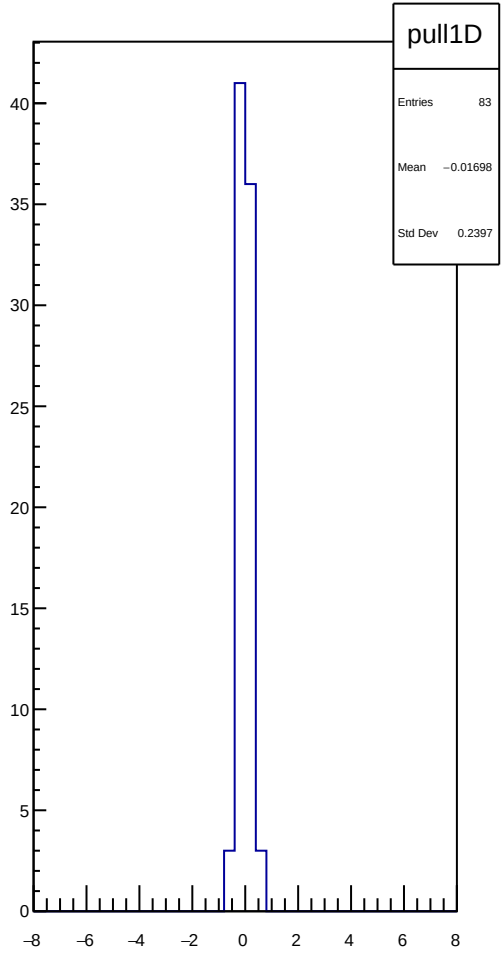

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.159 / 82
p0 0.7729 ± 0.02465
pull
Entries 83
Mean −221.8
Std Dev 274.4

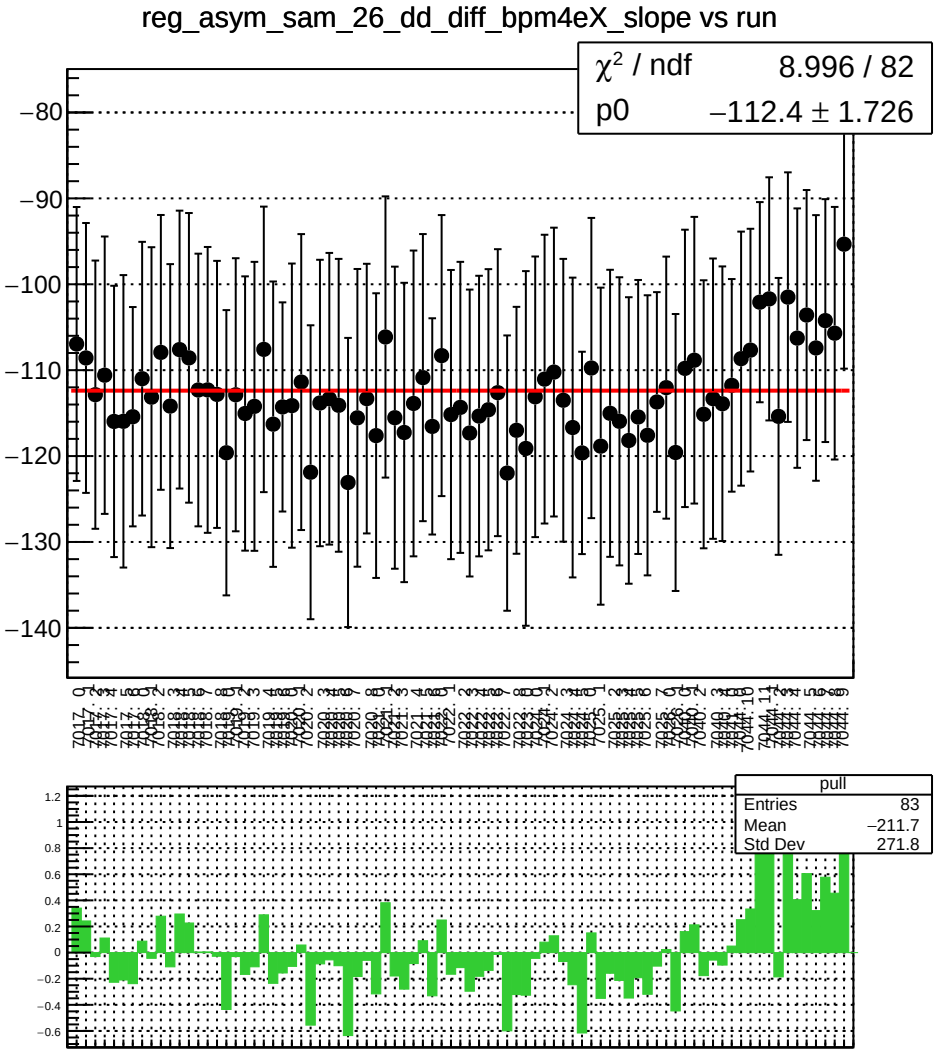

pull1D
Entries 83
Mean 0.01269
Std Dev 0.3319

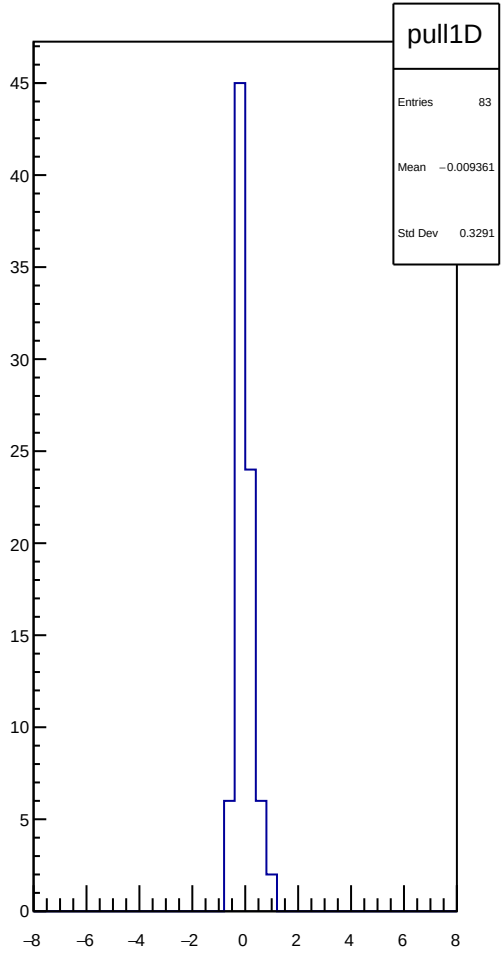

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.698 / 82
p0 -21 ± 1.855
pull
Entries 83
Mean −258.3
Std Dev 317.2

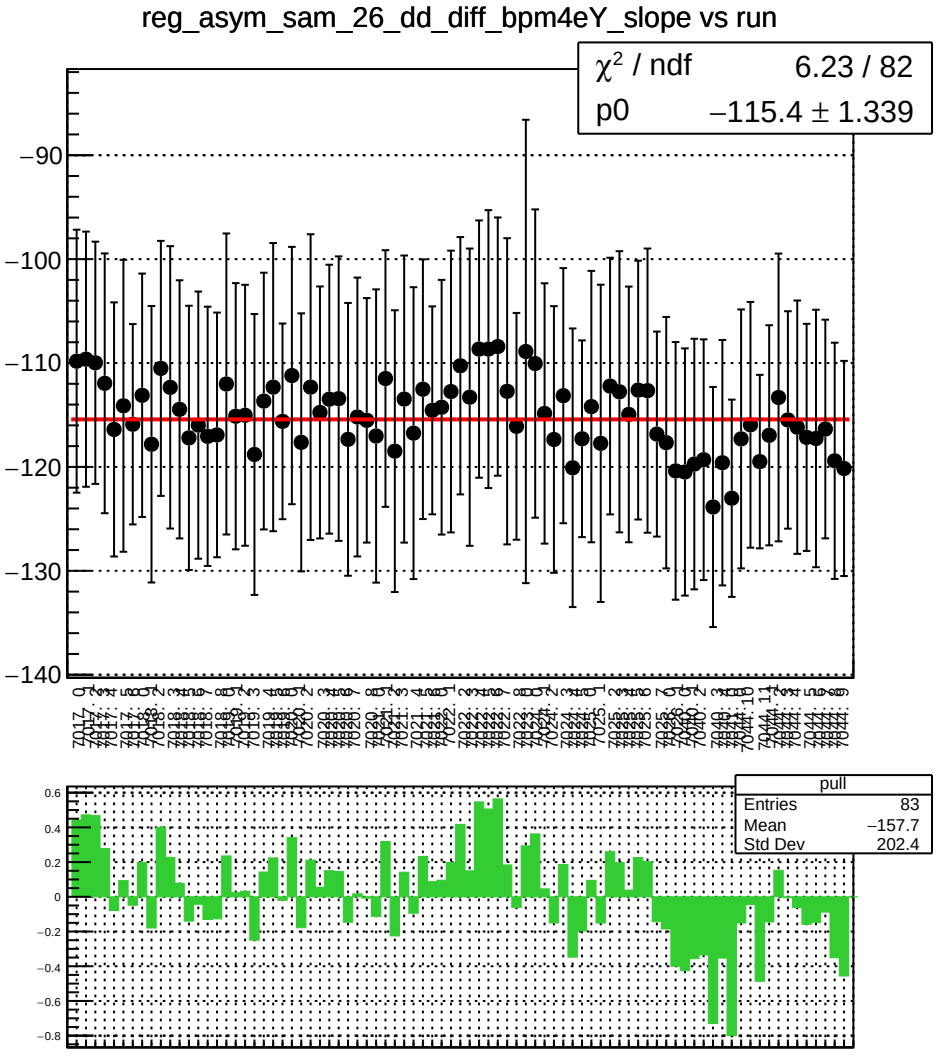

pull1D
Entries 83
Mean 0.008312
Std Dev 0.3236

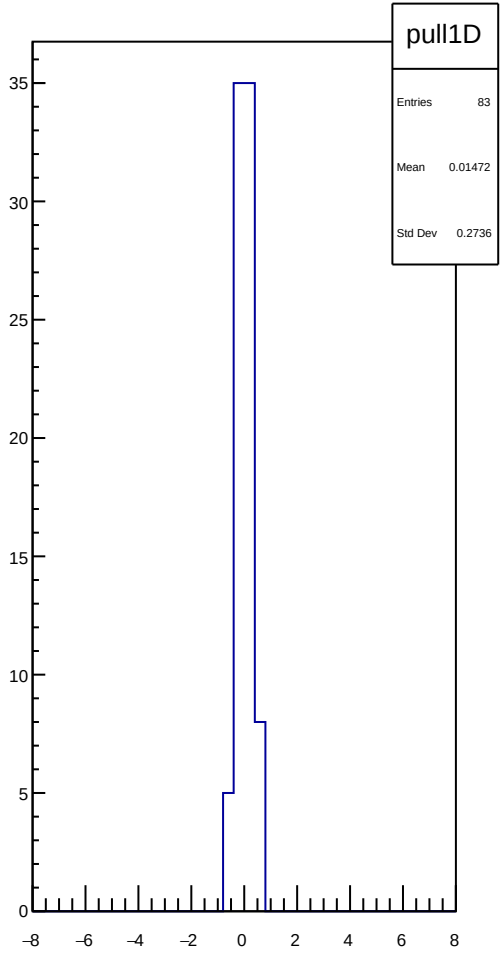

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.792 / 82
p0 −30.24 ± 1.233
pull
Entries 83
Mean −82.36
Std Dev 126.7

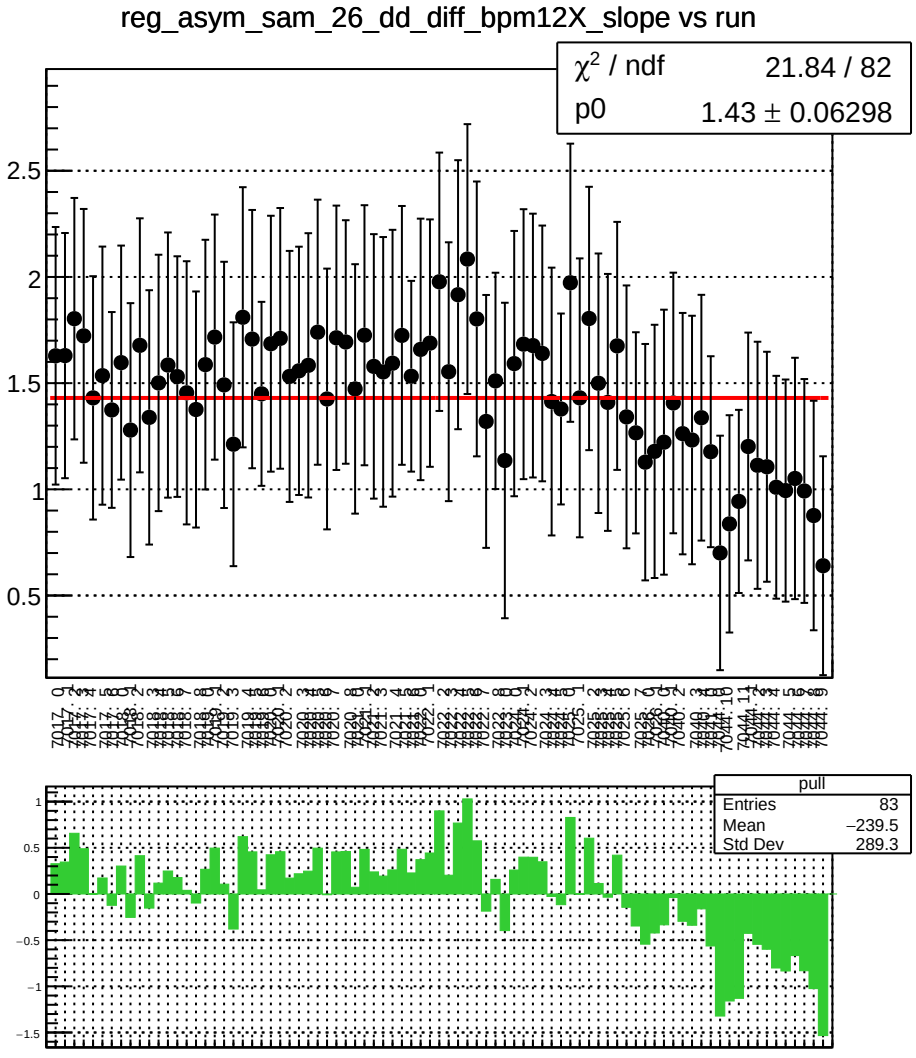

pull1D
Entries 83
Mean −0.01698
Std Dev 0.2397

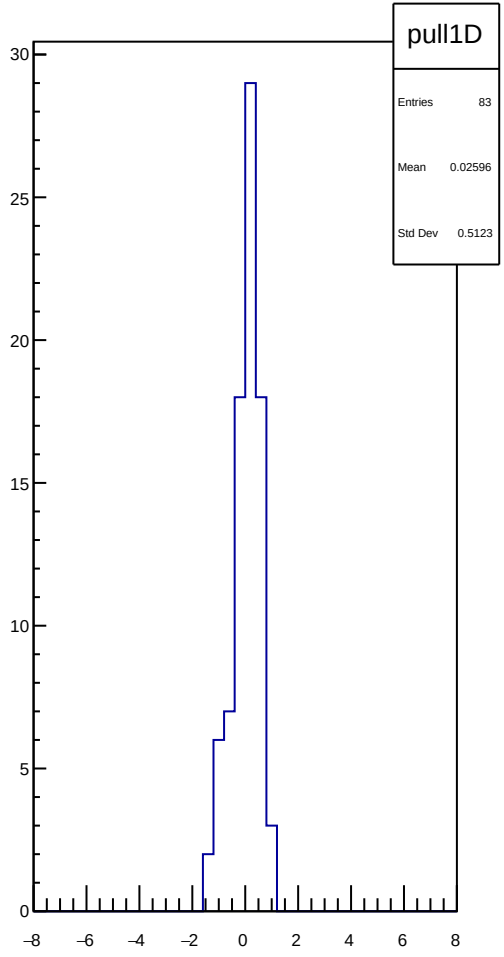

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.996 / 82
p0 −112.4 ± 1.726
pull
Entries 83
Mean −211.7
Std Dev 271.8

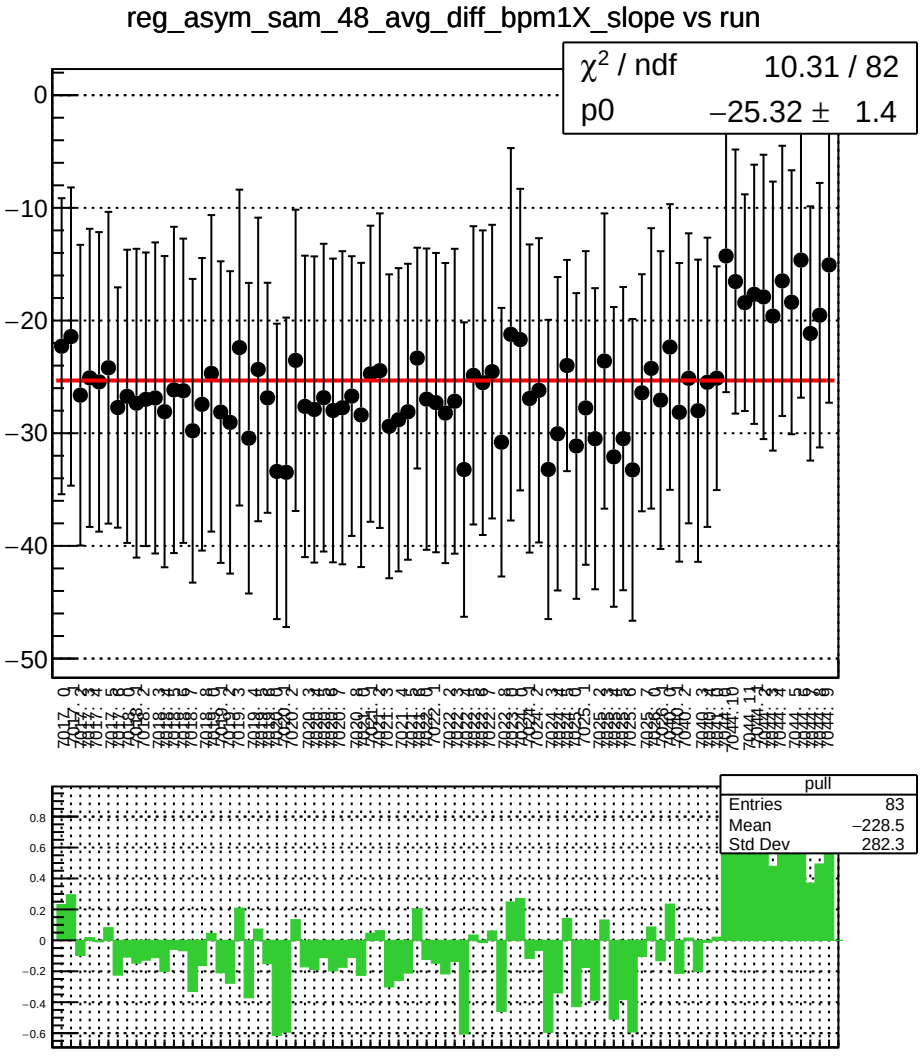

pull1D
Entries 83
Mean −0.009361
Std Dev 0.3291

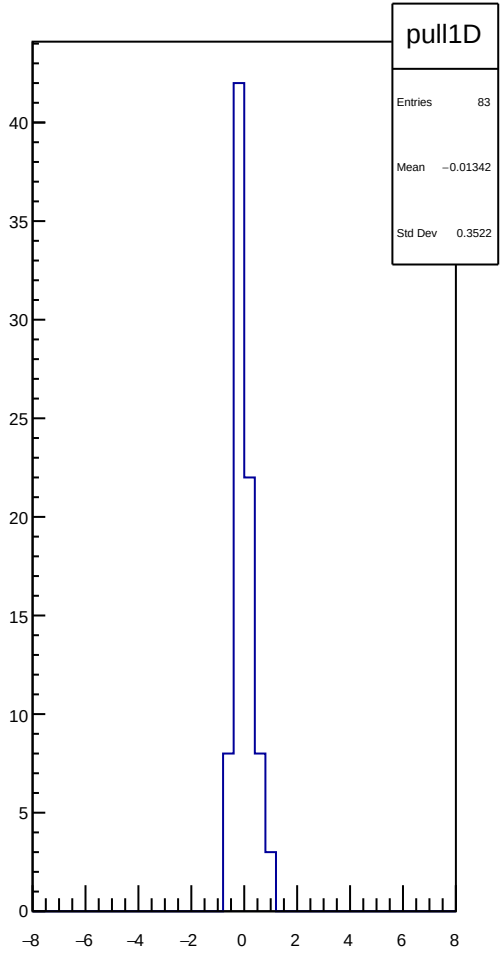

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.23 / 82
p0 −115.4 ± 1.339
pull
Entries 83
Mean −157.7
Std Dev 202.4

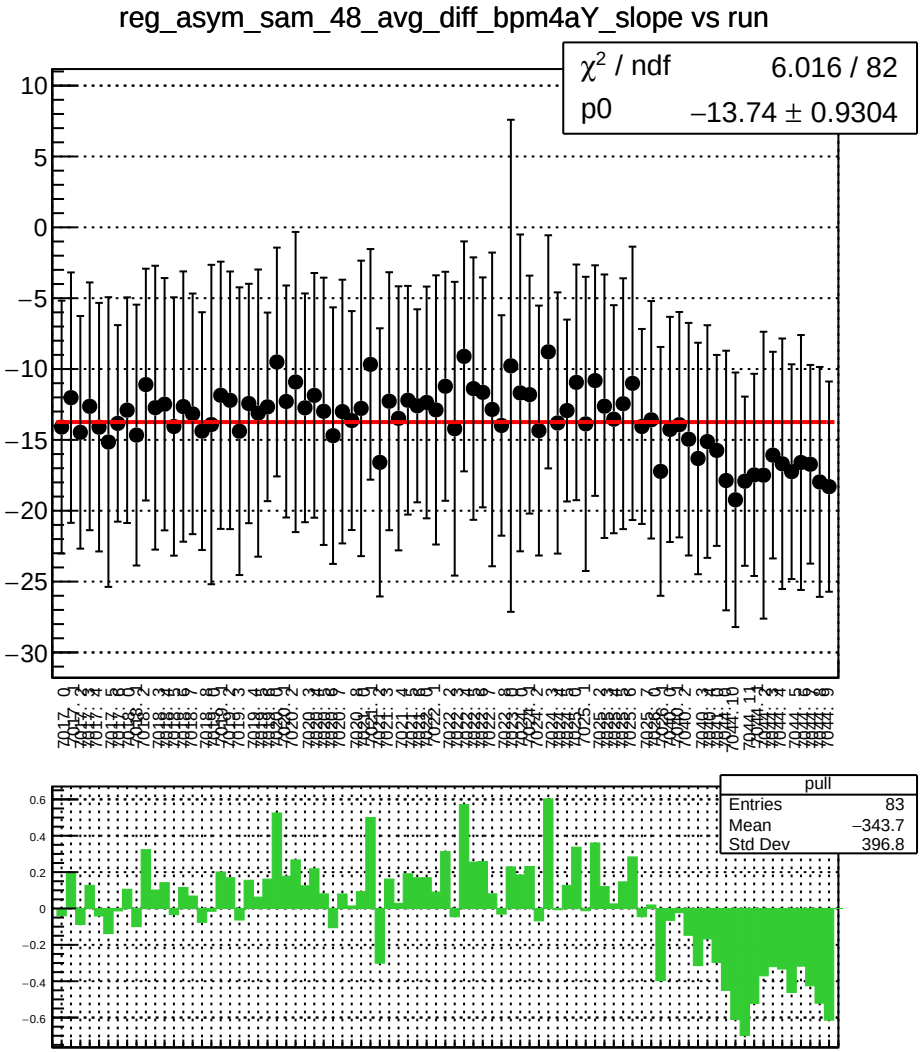

pull1D
Entries 83
Mean 0.01472
Std Dev 0.2736

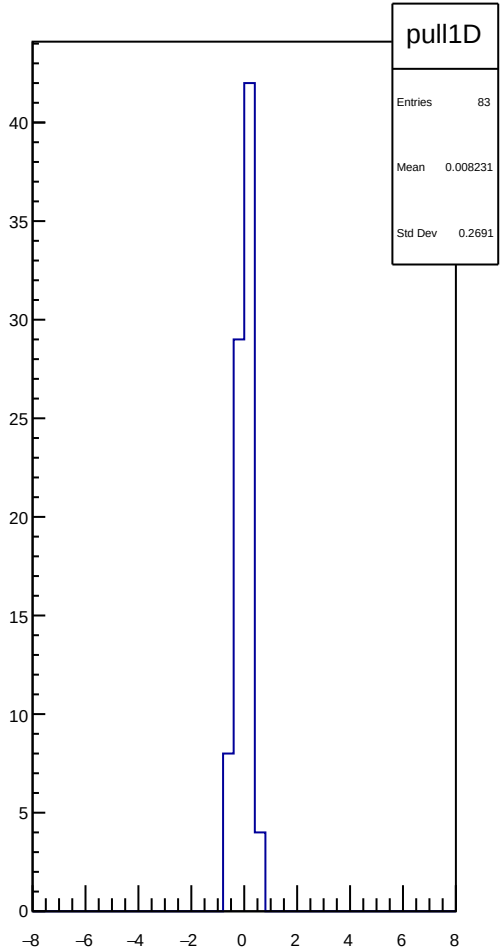

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 21.84 / 82
p0 1.43 ± 0.06298
pull
Entries 83
Mean −239.5
Std Dev 289.3

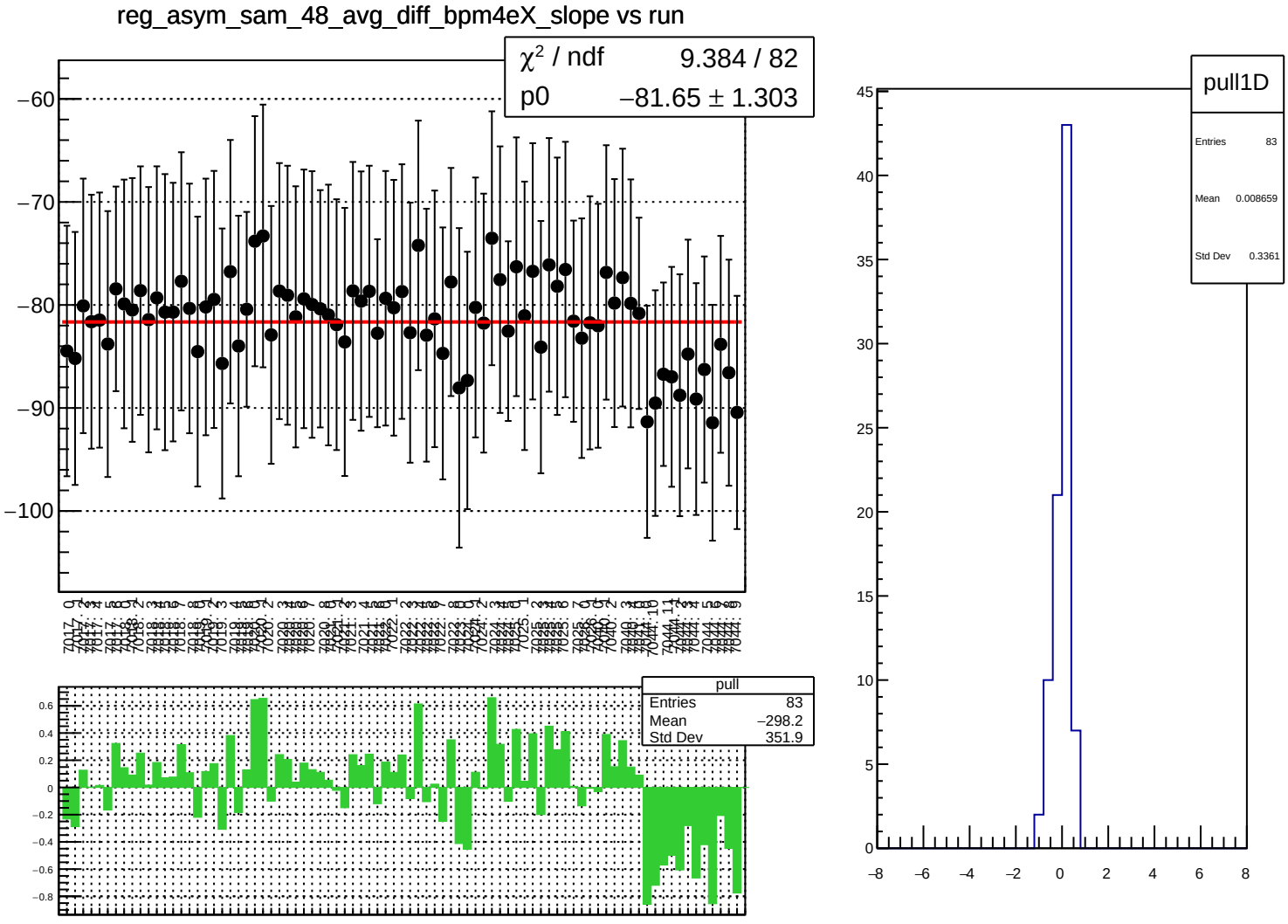

pull1D
Entries 83
Mean 0.02596
Std Dev 0.5123

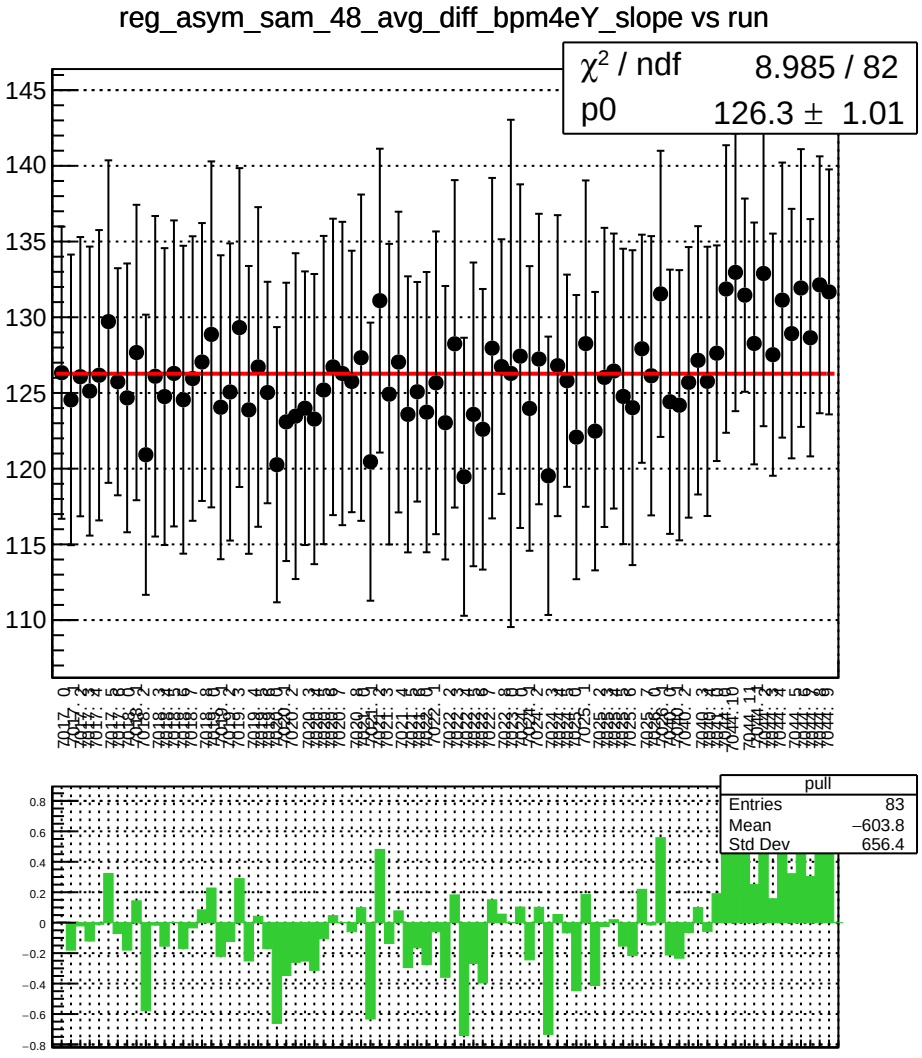

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.31 / 82
p0 −25.32 ± 1.4
pull
Entries 83
Mean −228.5
Std Dev 282.3

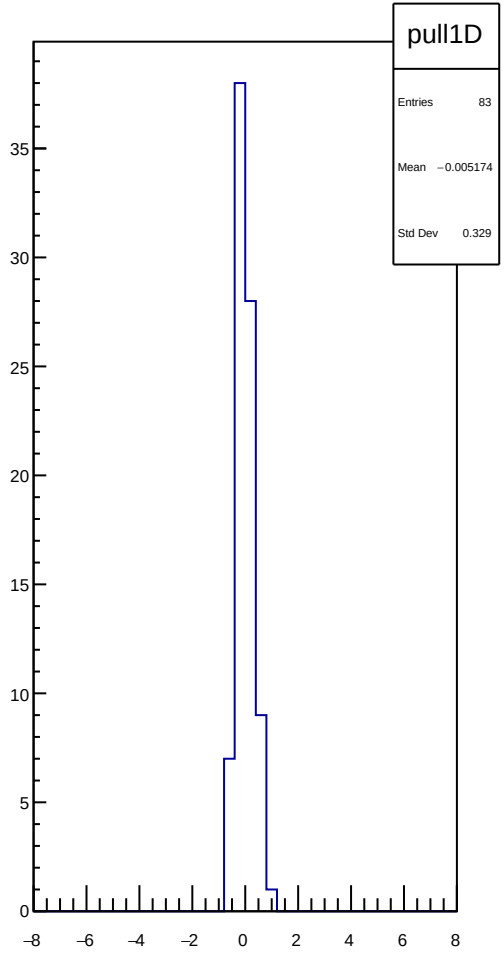

pull1D
Entries 83
Mean −0.01342
Std Dev 0.3522

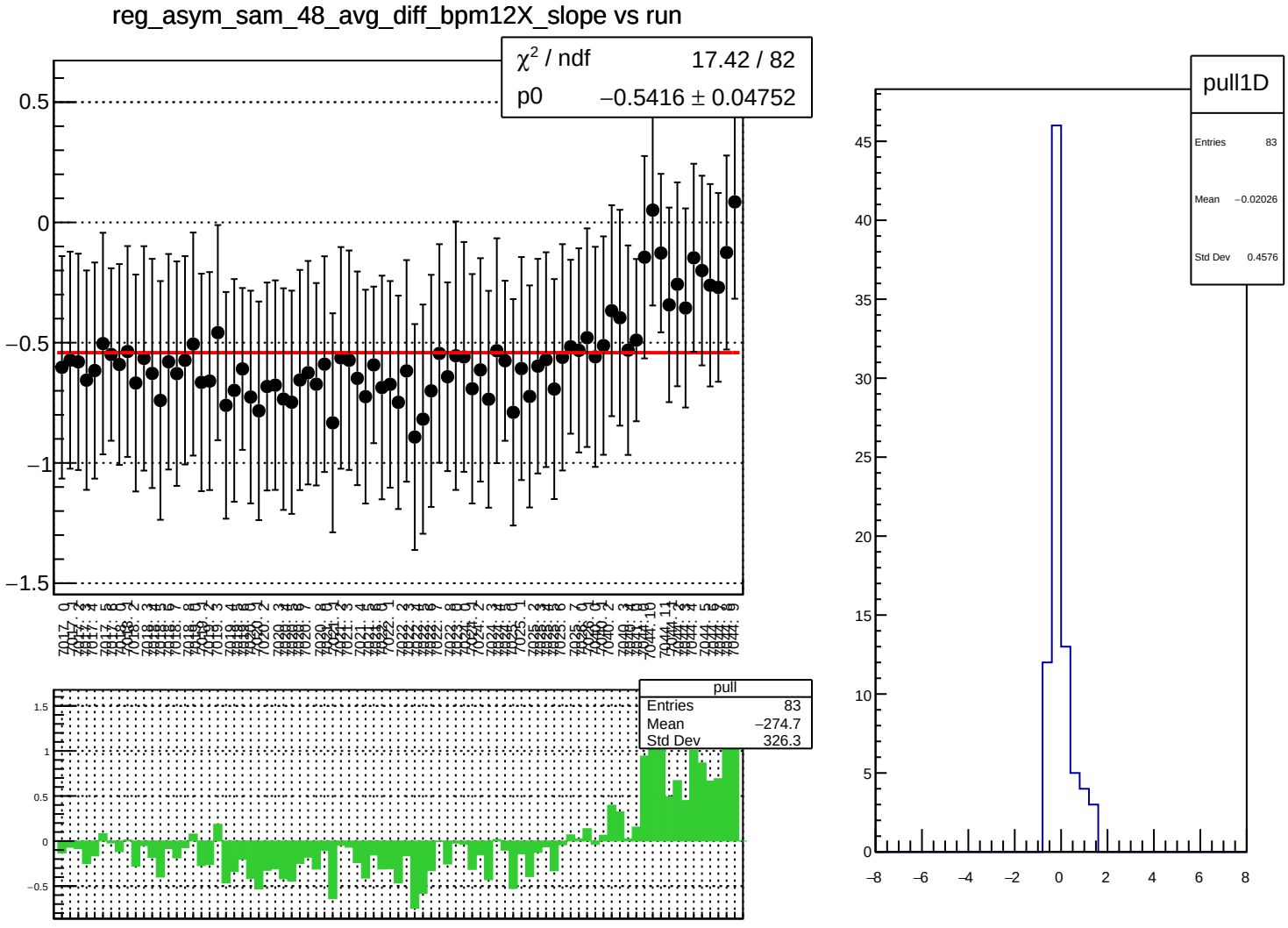

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.016 / 82
p0 −13.74 ± 0.9304
pull
Entries 83
Mean −343.7
Std Dev 396.8

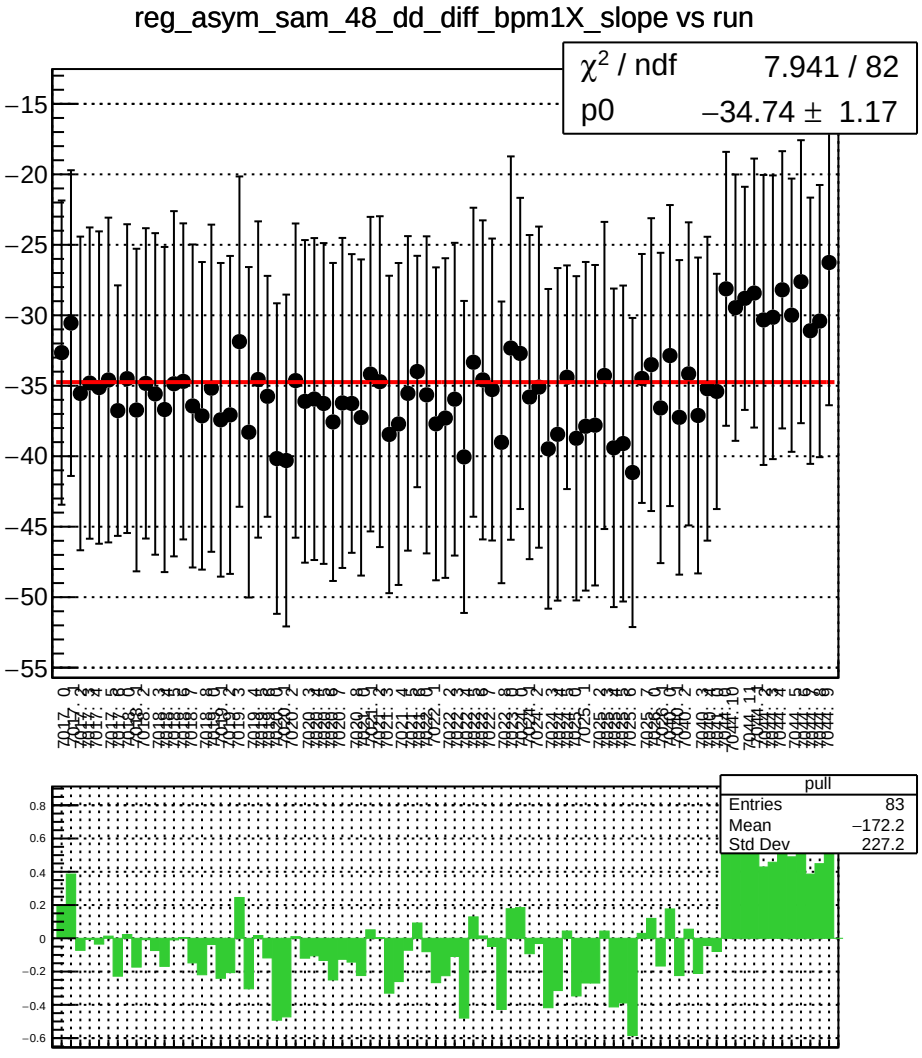

pull1D
Entries 83
Mean 0.008231
Std Dev 0.2691

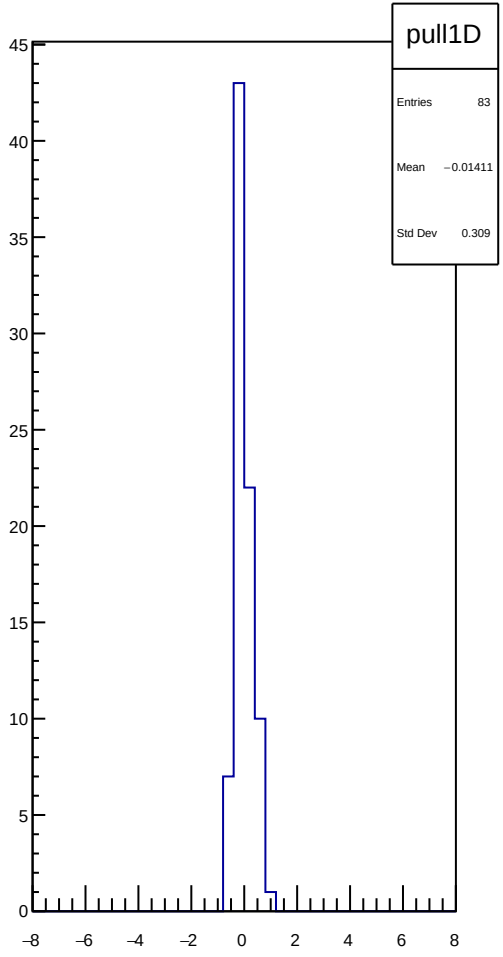

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.384 / 82
p0 −81.65 ± 1.303
pull
Entries 83
Mean −298.2
Std Dev 351.9
pull1D
Entries 83
Mean 0.008659
Std Dev 0.3361

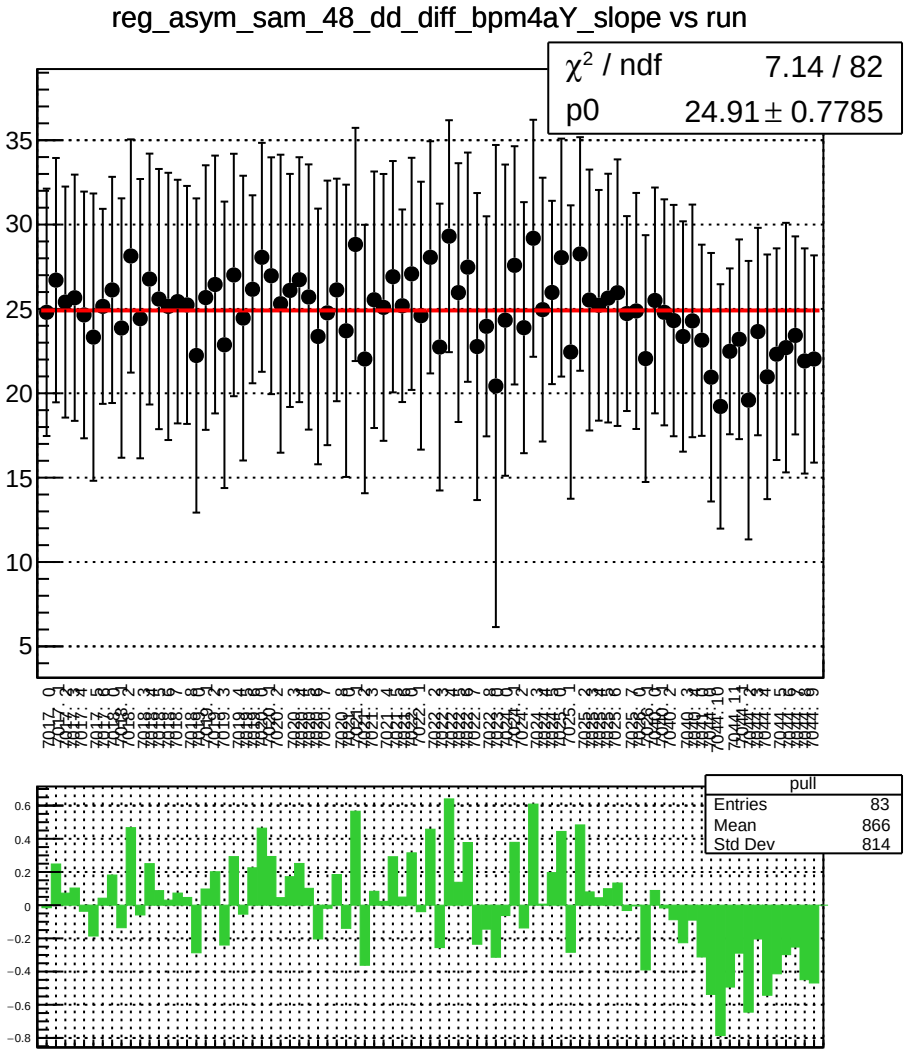

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.985 / 82
p0 126.3 ± 1.01
pull
Entries 83
Mean −603.8
Std Dev 656.4

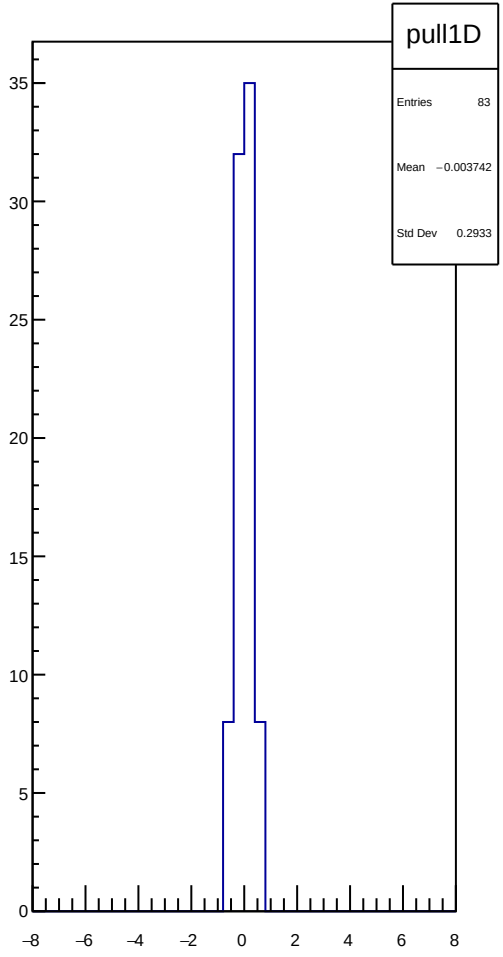

pull1D
Entries 83
Mean −0.005174
Std Dev 0.329

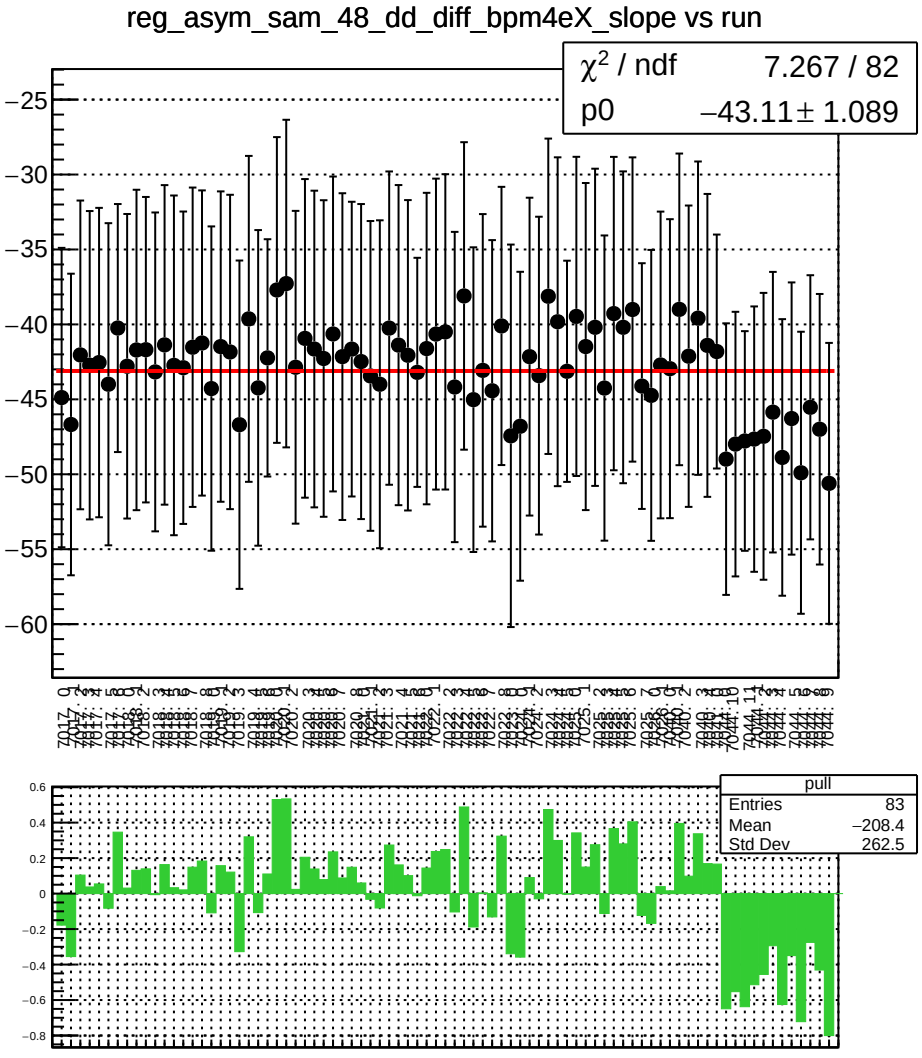

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 17.42 / 82
p0 −0.5416 ± 0.04752
pull
Entries 83
Mean −274.7
Std Dev 326.3
pull1D
Entries 83
Mean −0.02026
Std Dev 0.4576

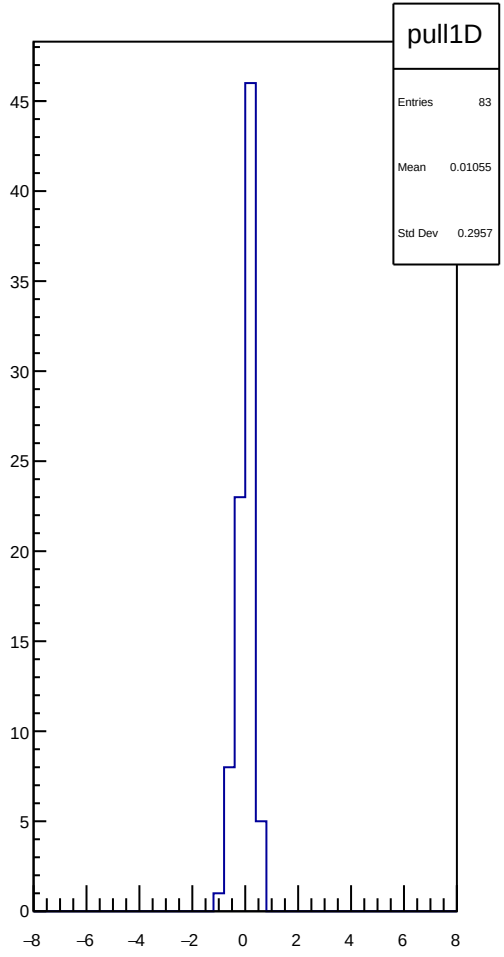

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 7.941 / 82
p0 −34.74 ± 1.17
pull
Entries 83
Mean −172.2
Std Dev 227.2

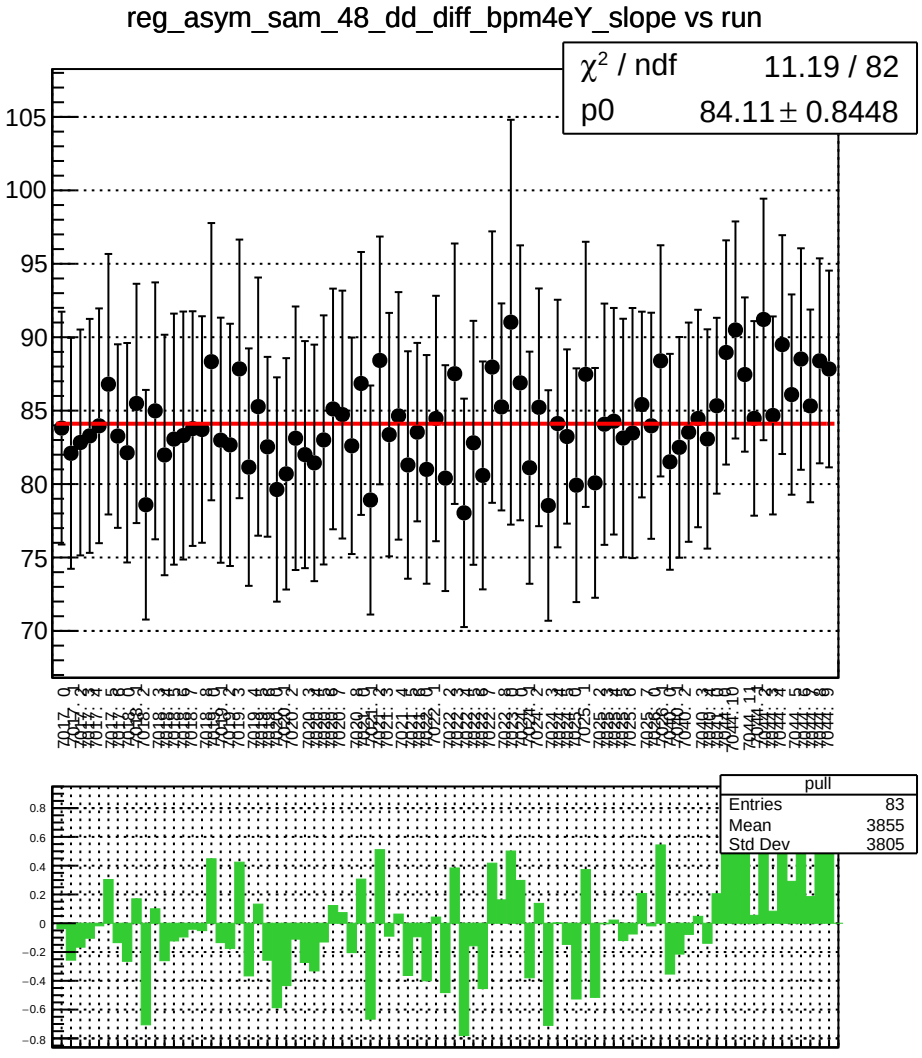

pull1D
Entries 83
Mean −0.01411
Std Dev 0.309

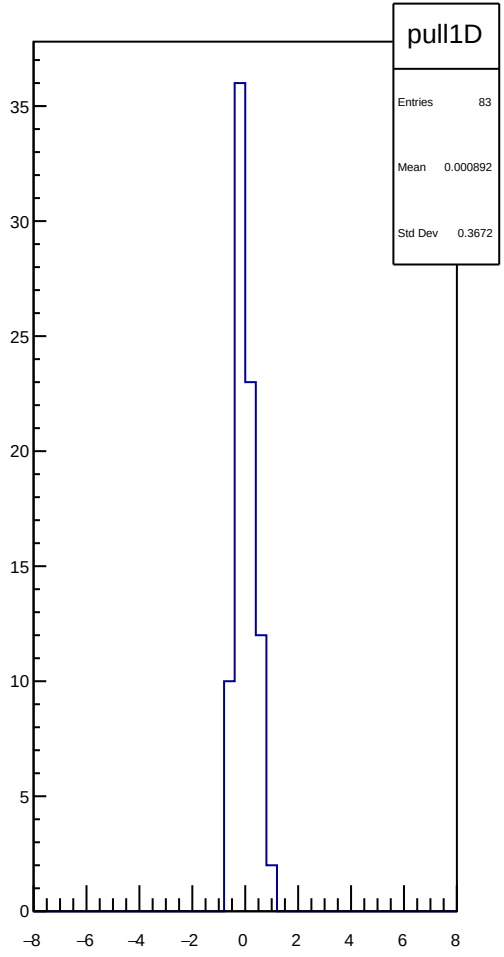

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.14 / 82
p0 24.91 ± 0.7785
pull
Entries 83
Mean 866
Std Dev 814

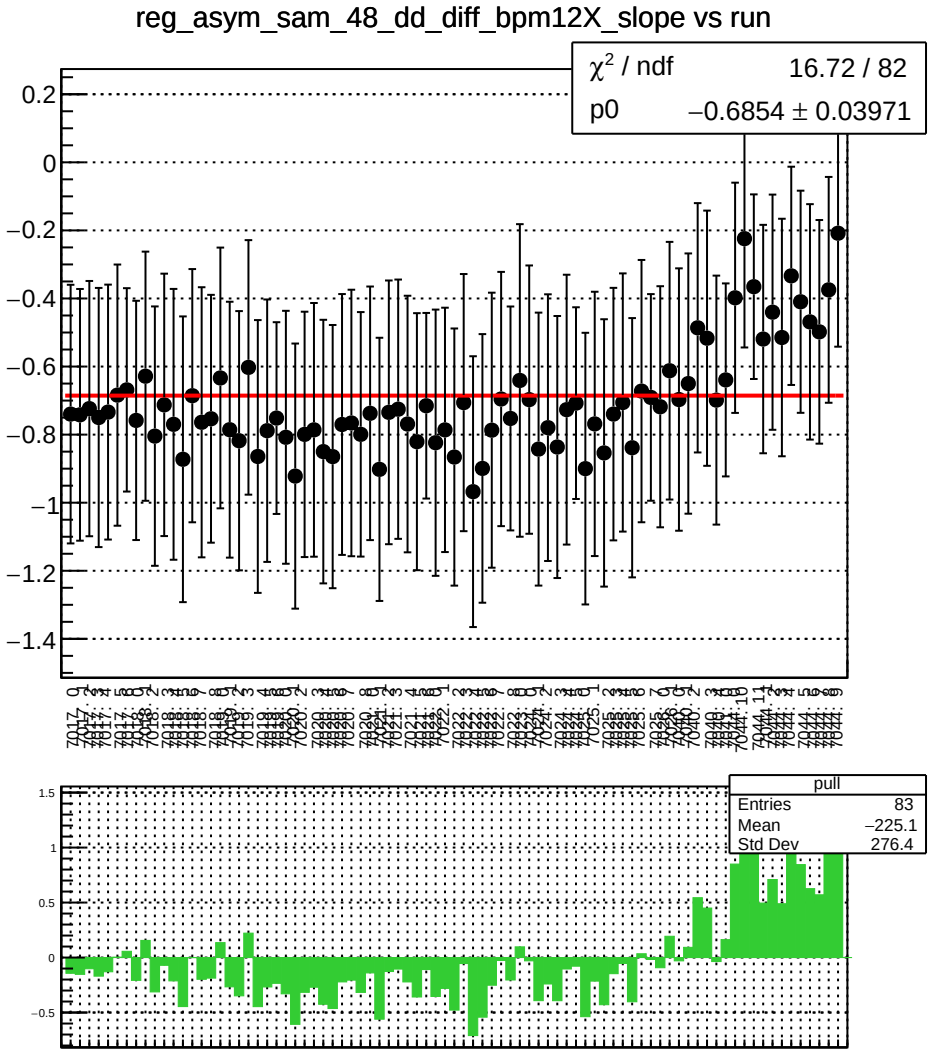

pull1D
Entries 83
Mean −0.003742
Std Dev 0.2933

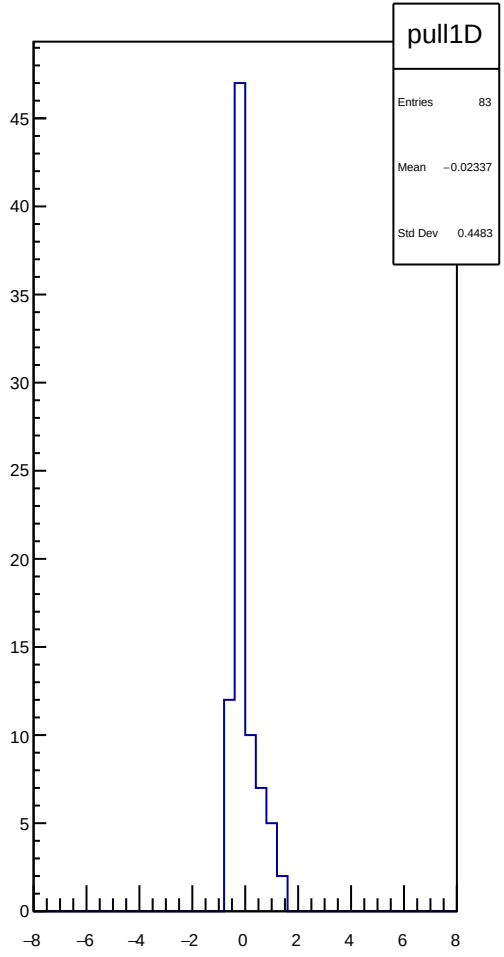

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.267 / 82
p0 −43.11 ± 1.089
pull
Entries 83
Mean −208.4
Std Dev 262.5

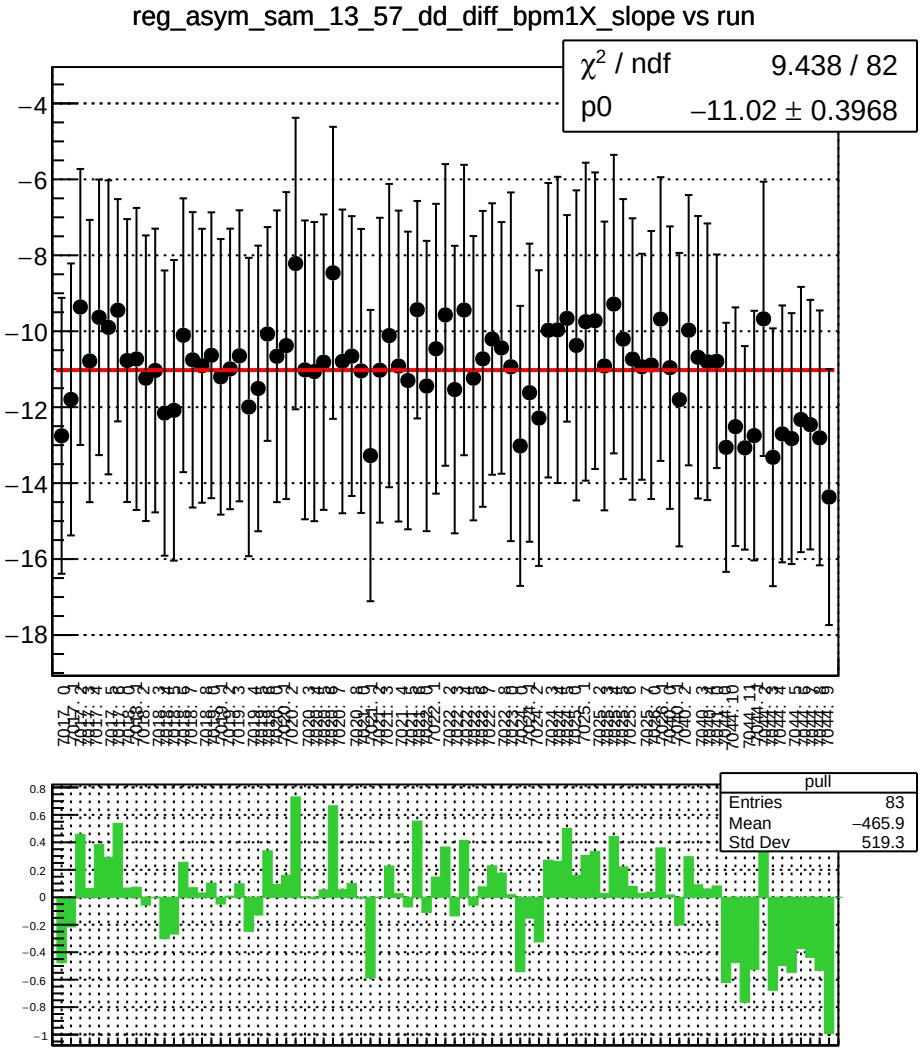

pull1D
Entries 83
Mean 0.01055
Std Dev 0.2957

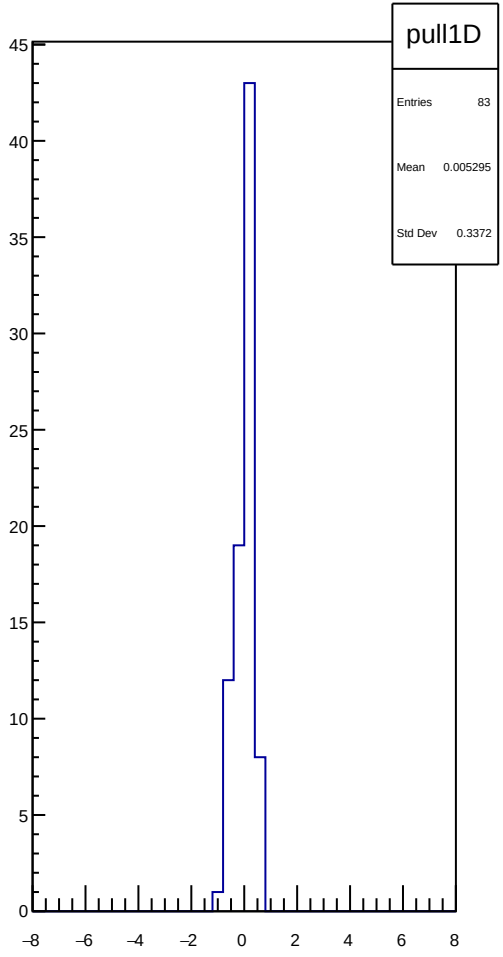

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.19 / 82
p0 84.11 ± 0.8448
pull
Entries 83
Mean 3855
Std Dev 3805

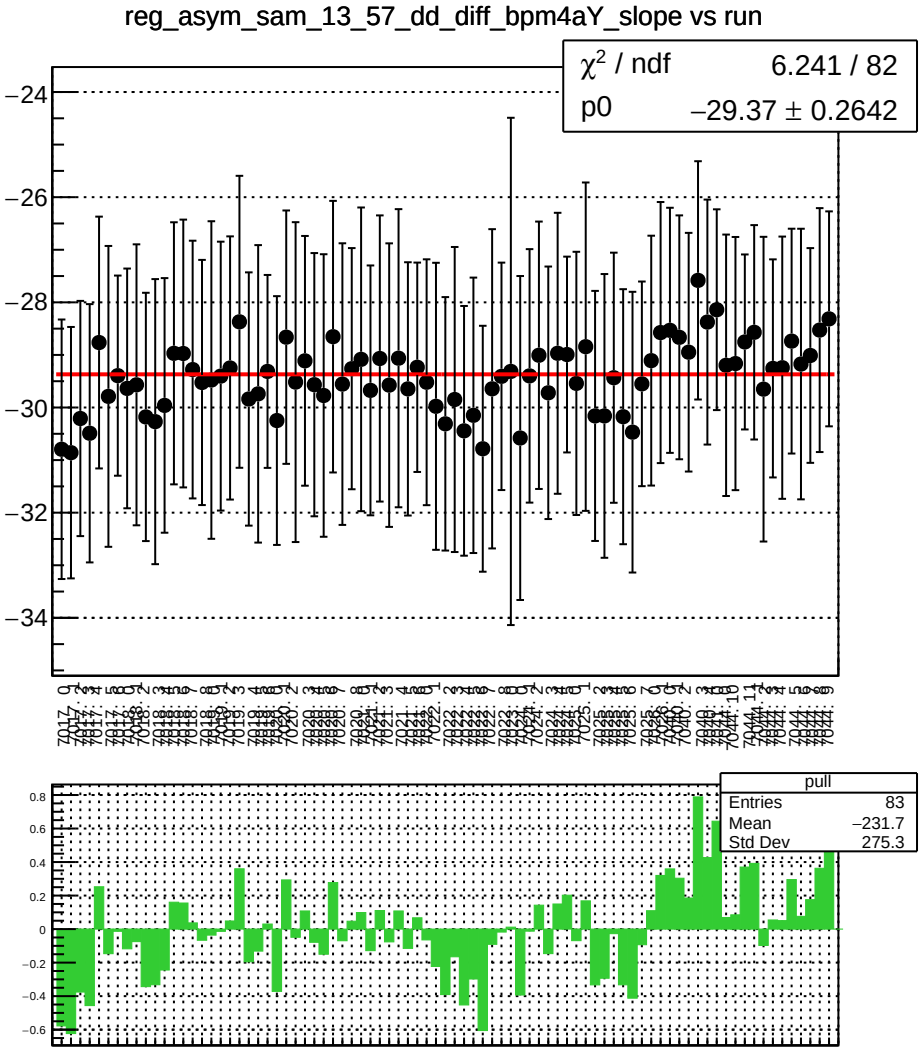

pull1D
Entries 83
Mean 0.000892
Std Dev 0.3672

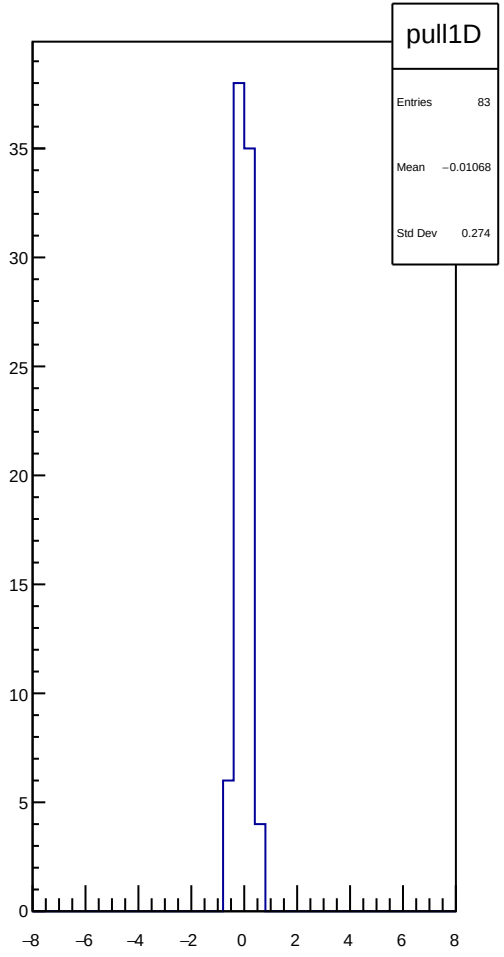

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 16.72 / 82
p0 −0.6854 ± 0.03971
pull
Entries 83
Mean −225.1
Std Dev 276.4

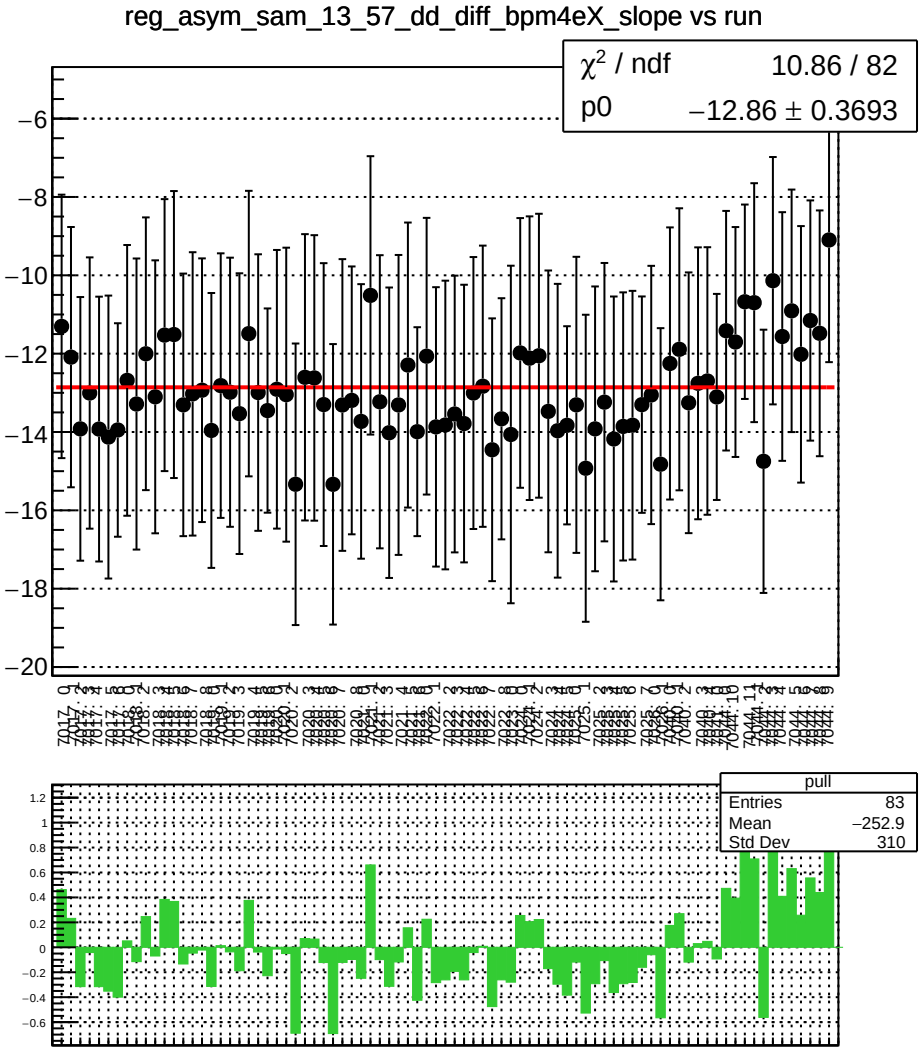

pull1D
Entries 83
Mean −0.02337
Std Dev 0.4483

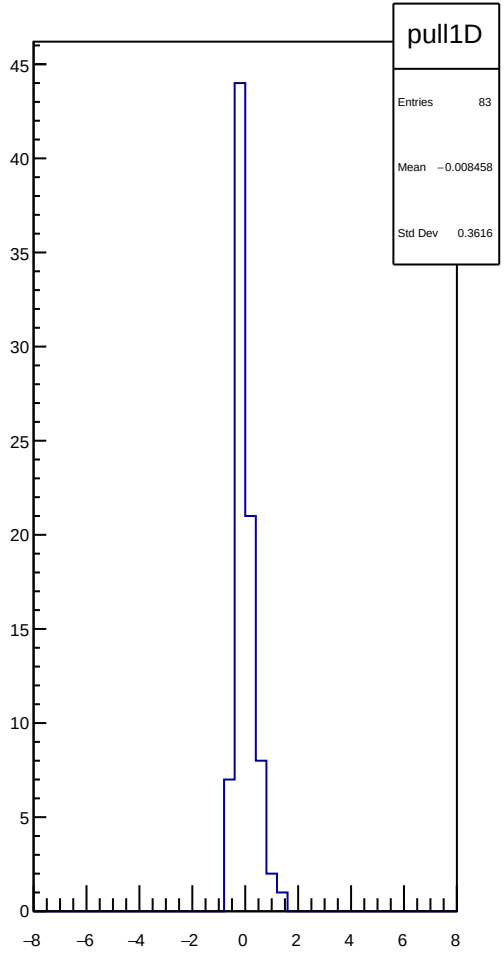

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.438 / 82
p0 −11.02 ± 0.3968
pull
Entries 83
Mean −465.9
Std Dev 519.3

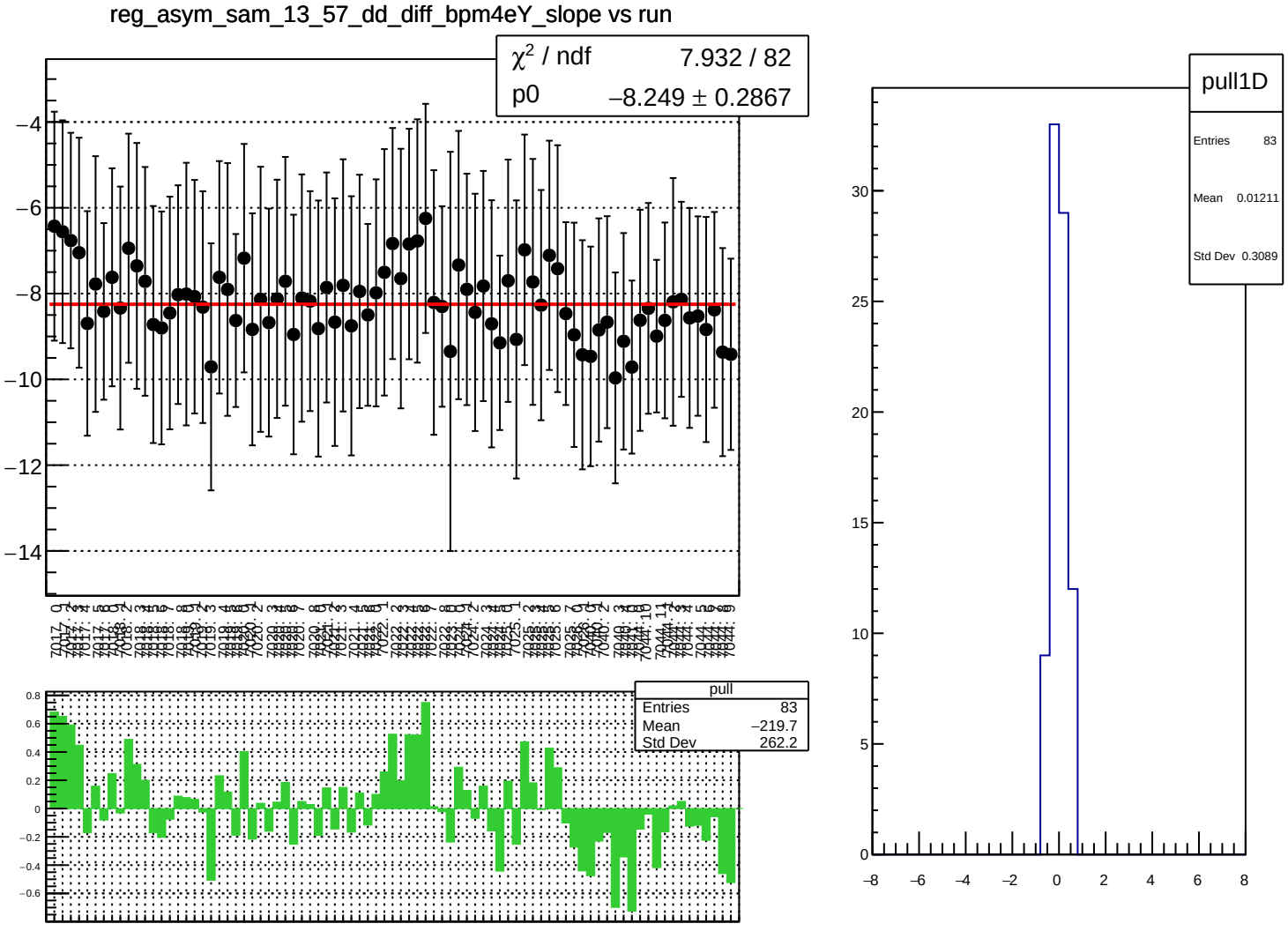

pull1D
Entries 83
Mean 0.005295
Std Dev 0.3372

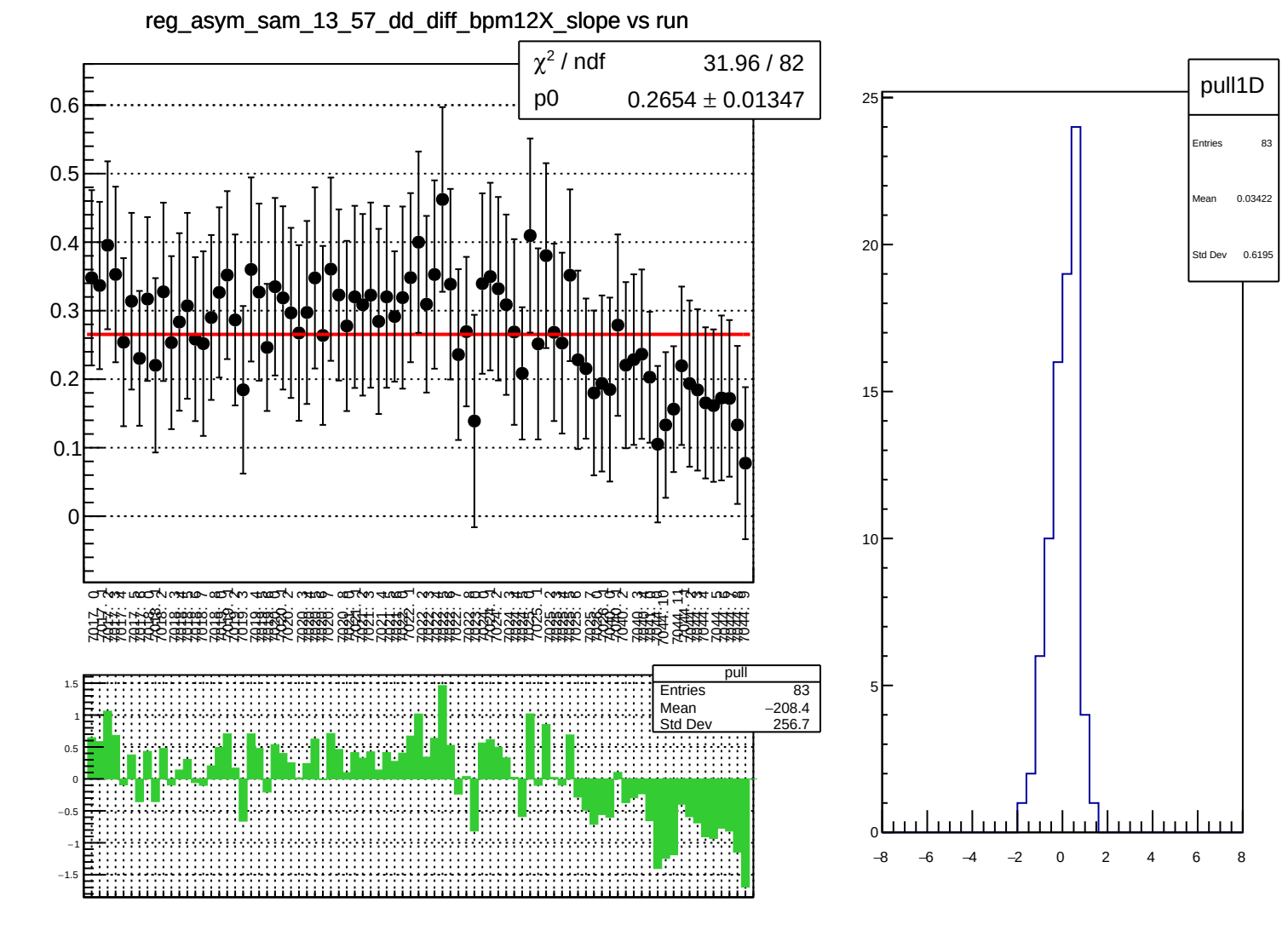

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.241 / 82
p0 −29.37 ± 0.2642
pull
Entries 83
Mean −231.7
Std Dev 275.3

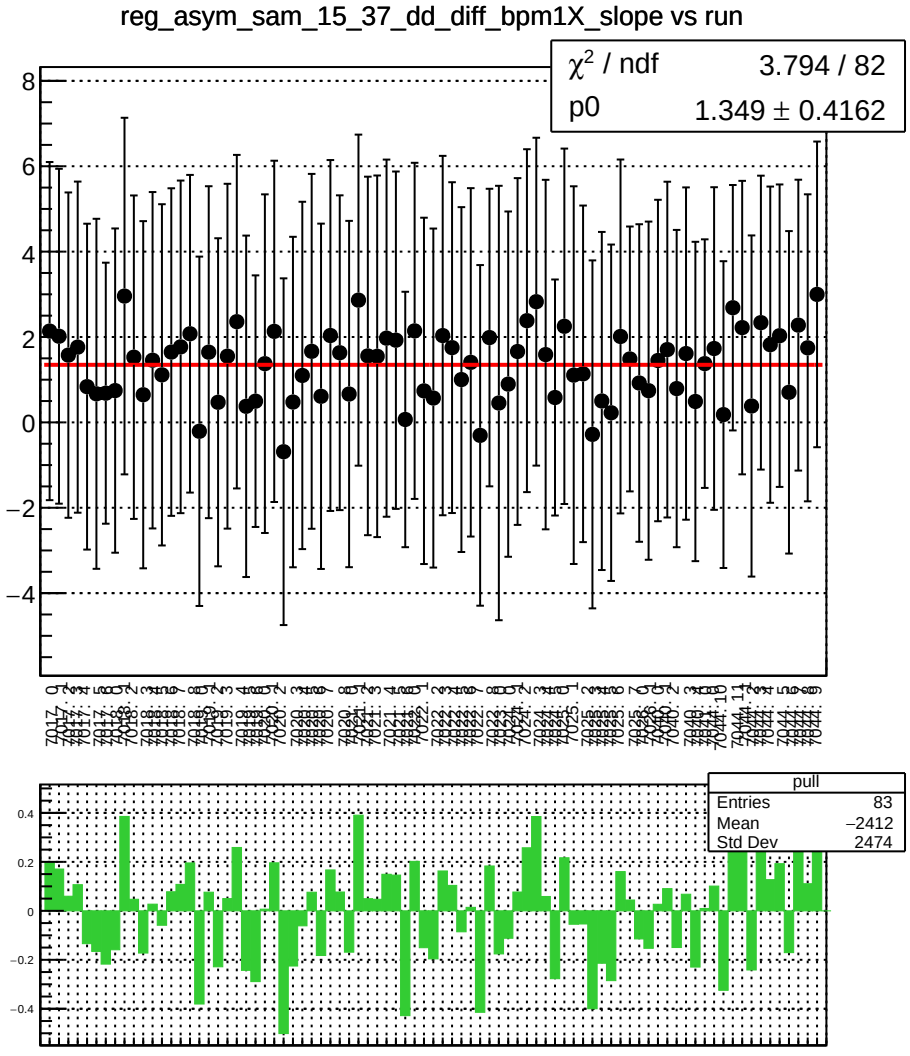

pull1D
Entries 83
Mean −0.01068
Std Dev 0.274

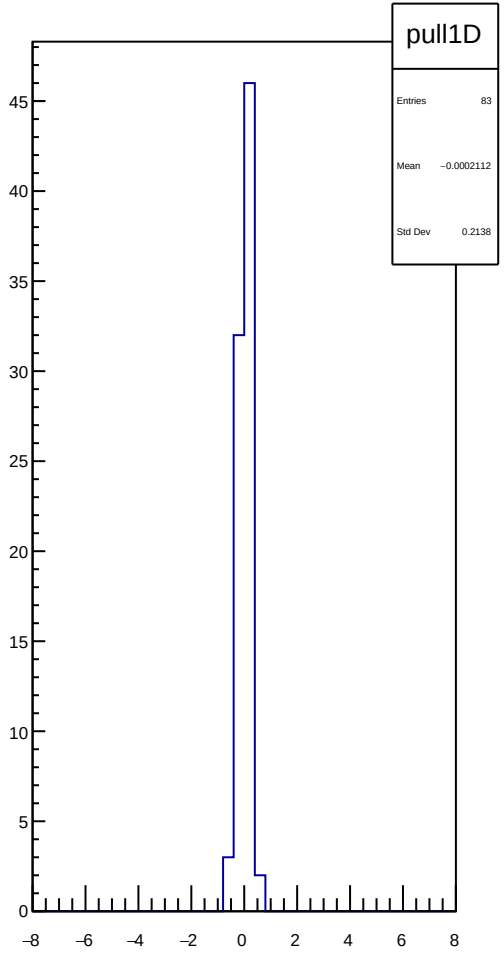

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.86 / 82
p0 −12.86 ± 0.3693
pull
Entries 83
Mean −252.9
Std Dev 310


pull1D
Entries 83
Mean −0.008458
Std Dev 0.3616

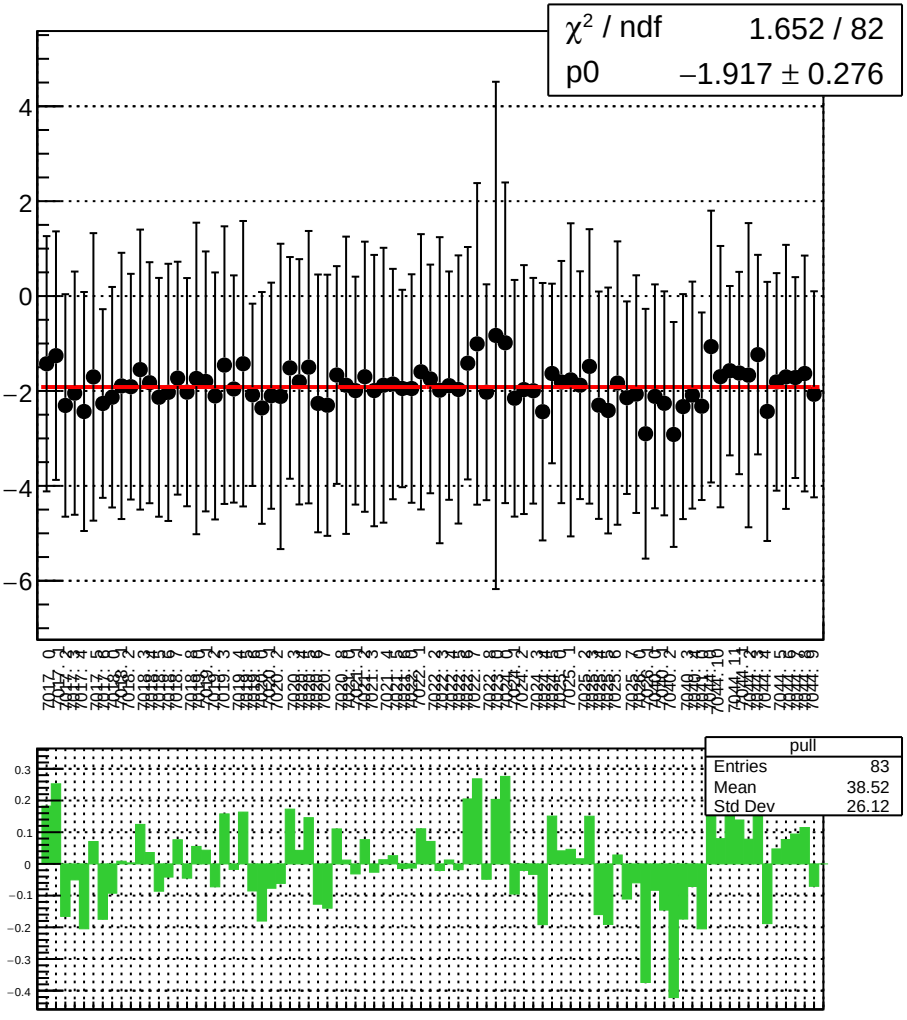

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.932 / 82
p0 −8.249 ± 0.2867
pull
Entries 83
Mean −219.7
Std Dev 262.2
pull1D
Entries 83
Mean 0.01211
Std Dev 0.3089

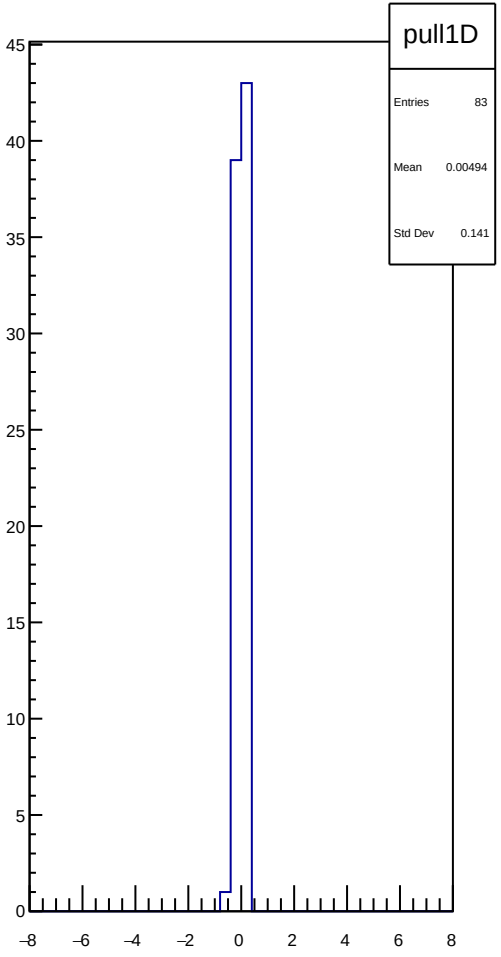

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 31.96 / 82
p0 0.2654 ± 0.01347
pull
Entries 83
Mean −208.4
Std Dev 256.7
pull1D
Entries 83
Mean 0.03422
Std Dev 0.6195

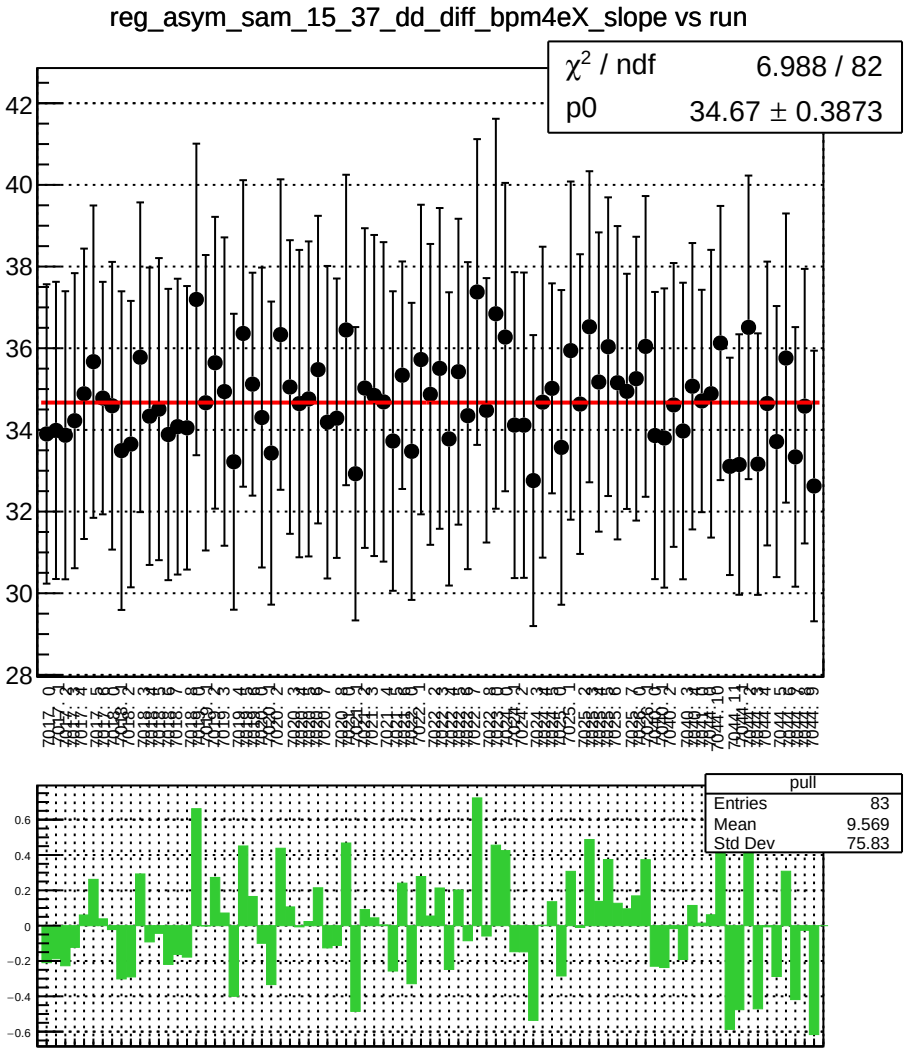

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.794 / 82
p0 1.349 ± 0.4162
pull
Entries 83
Mean −2412
Std Dev 2474

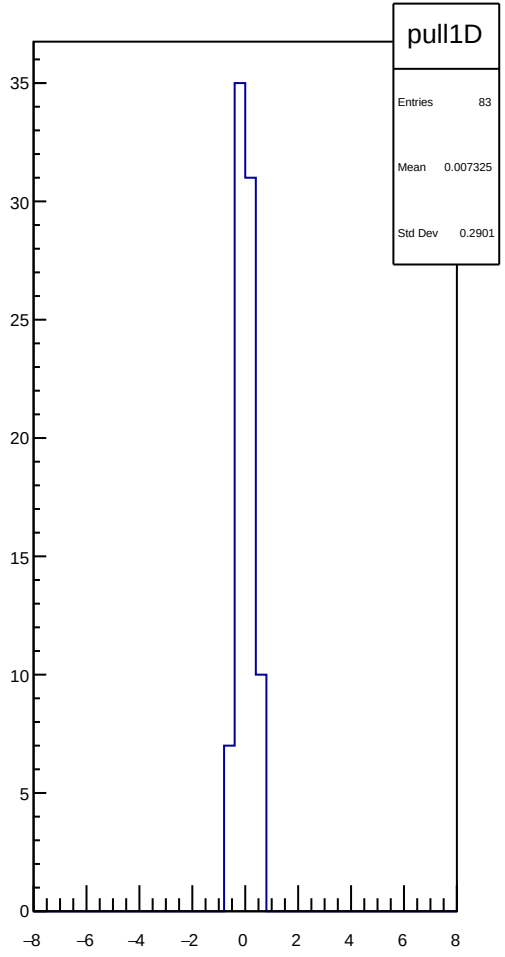

pull1D
Entries 83
Mean −0.0002112
Std Dev 0.2138

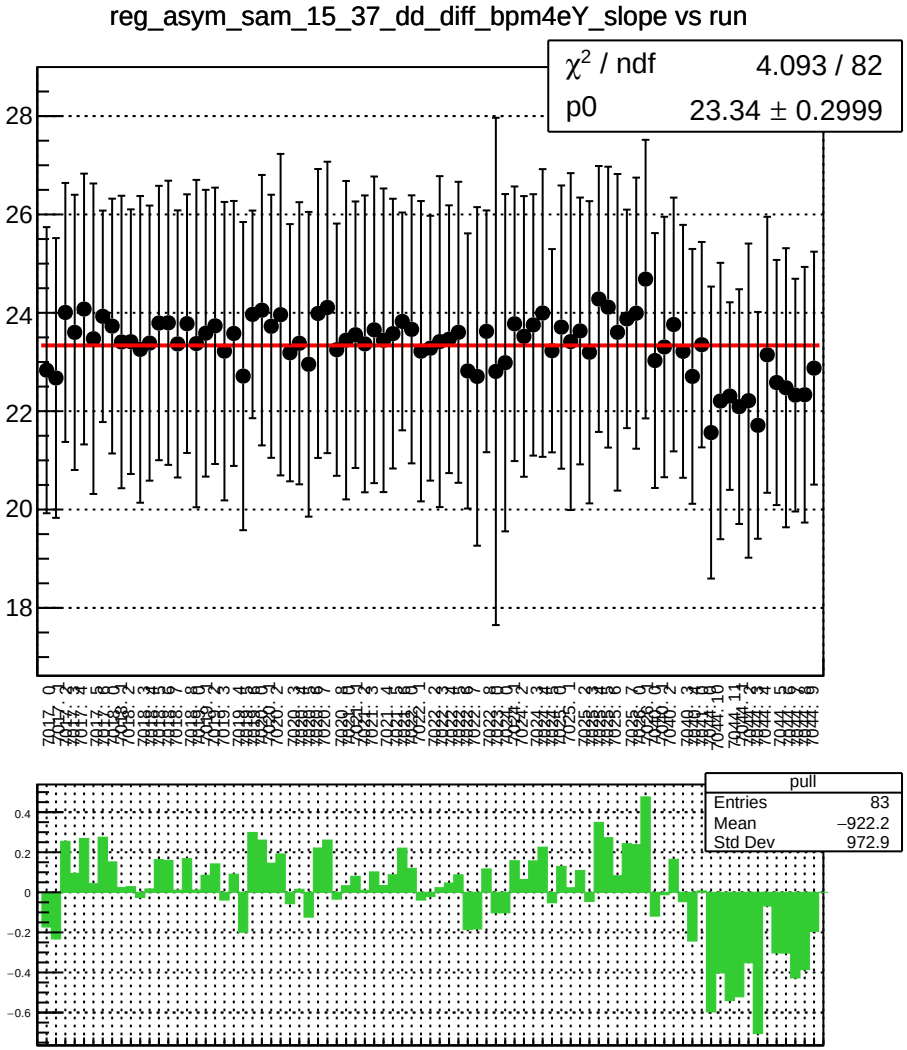
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

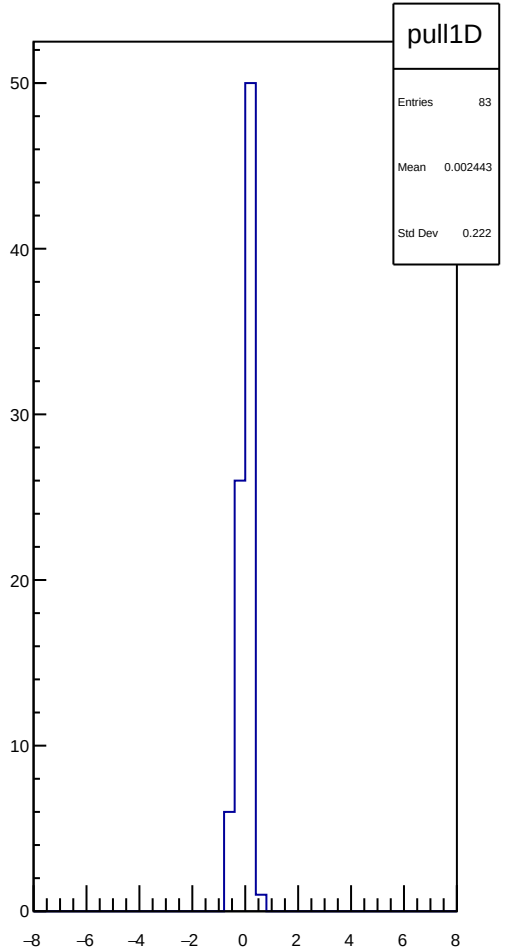


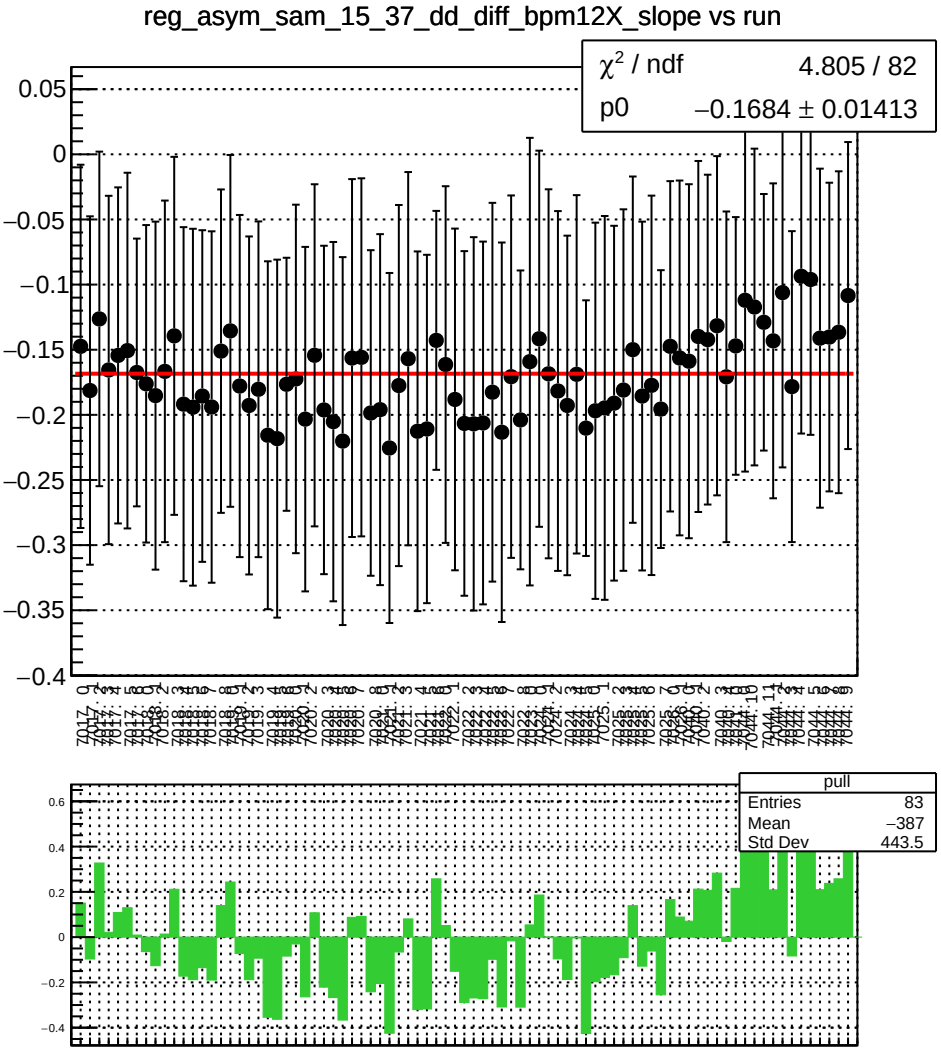


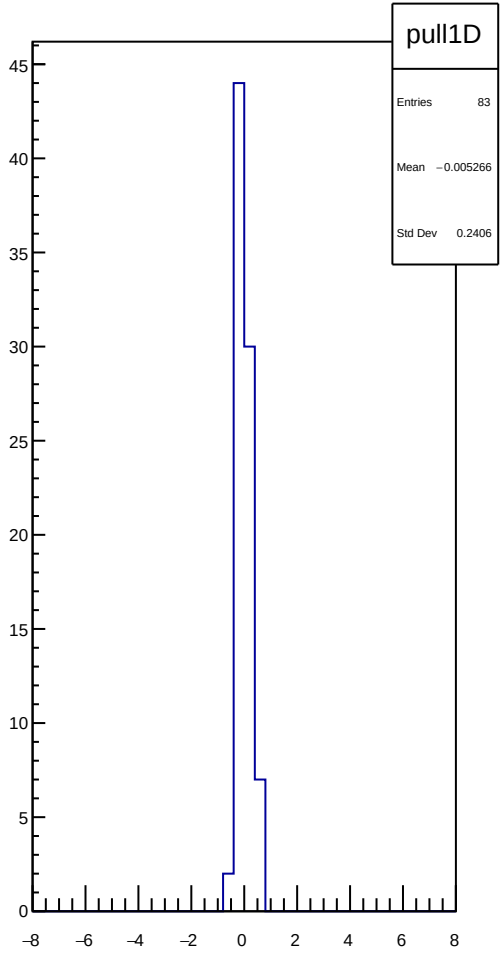

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.988 / 82
p0 34.67 ± 0.3873
pull
Entries 83
Mean 9.569
Std Dev 75.83

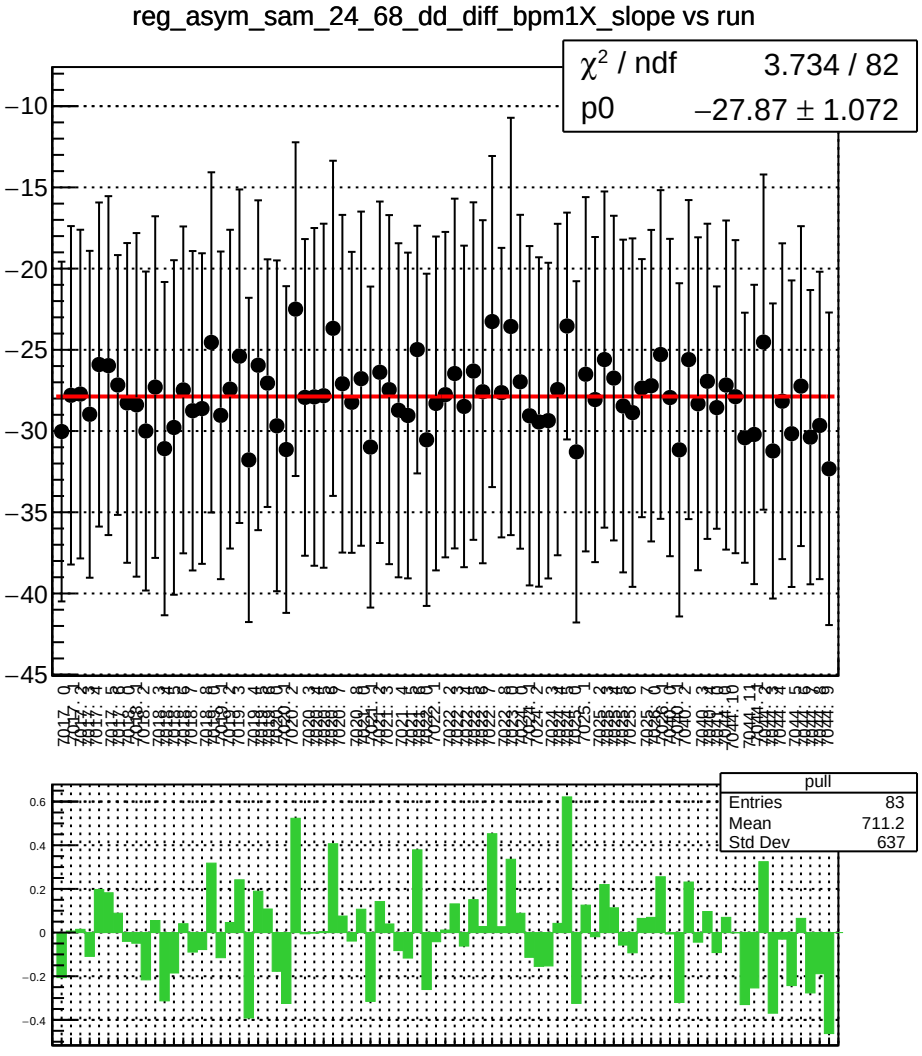

pull1D
Entries 83
Mean 0.007325
Std Dev 0.2901

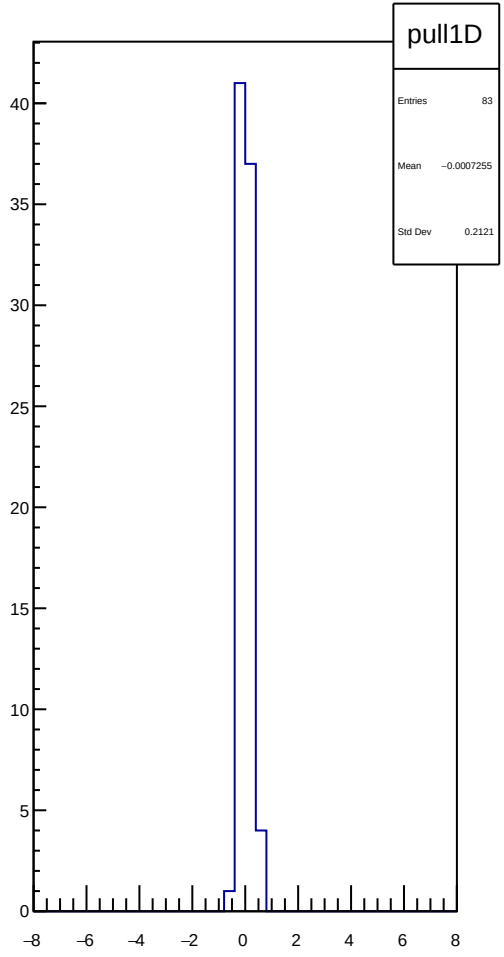

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.093 / 82
p0 23.34 ± 0.2999
pull
Entries 83
Mean −922.2
Std Dev 972.9

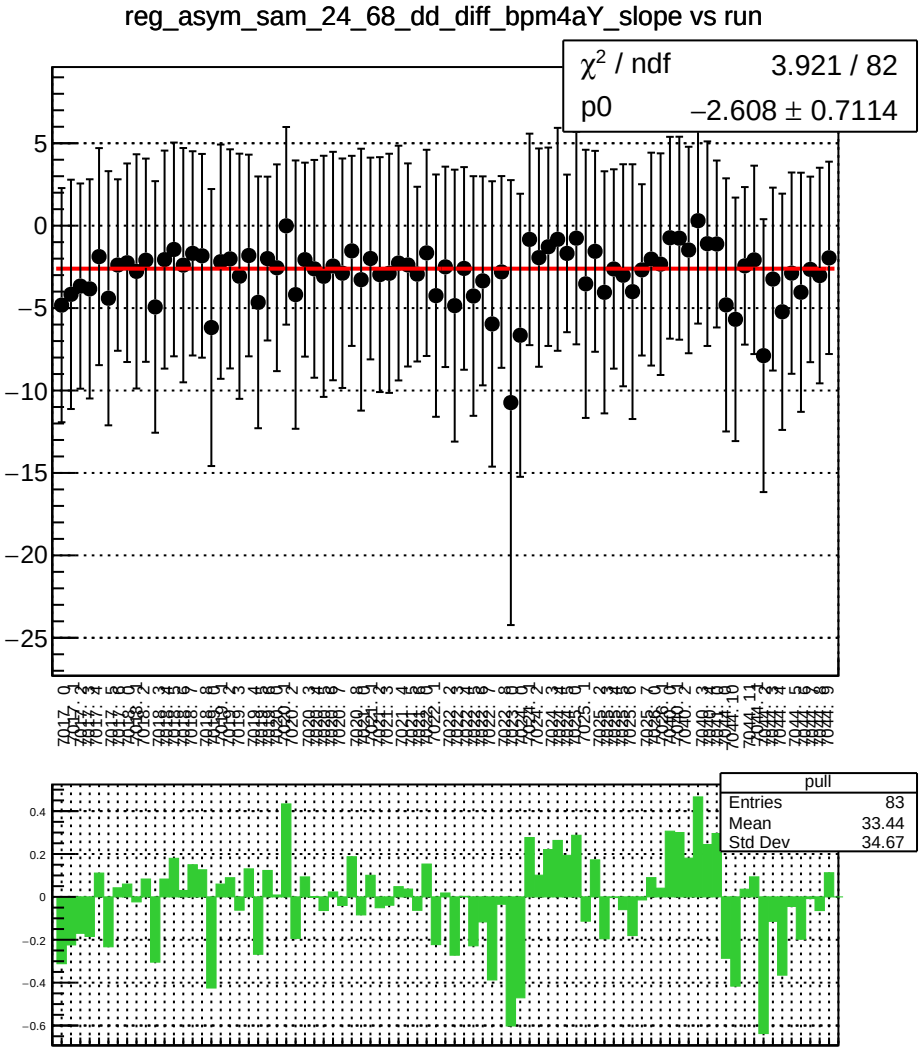

pull1D
Entries 83
Mean 0.002443
Std Dev 0.222

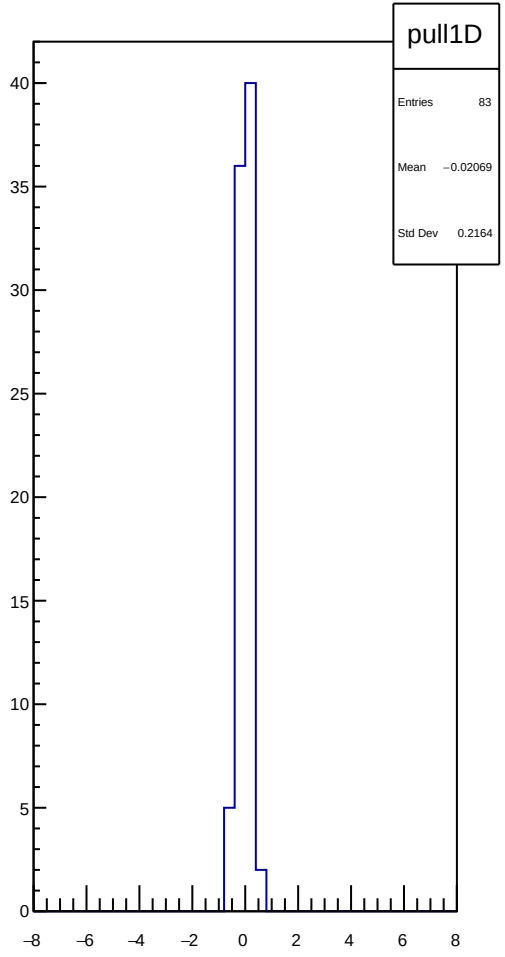

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.805 / 82
p0 −0.1684 ± 0.01413
pull
Entries 83
Mean −387
Std Dev 443.5

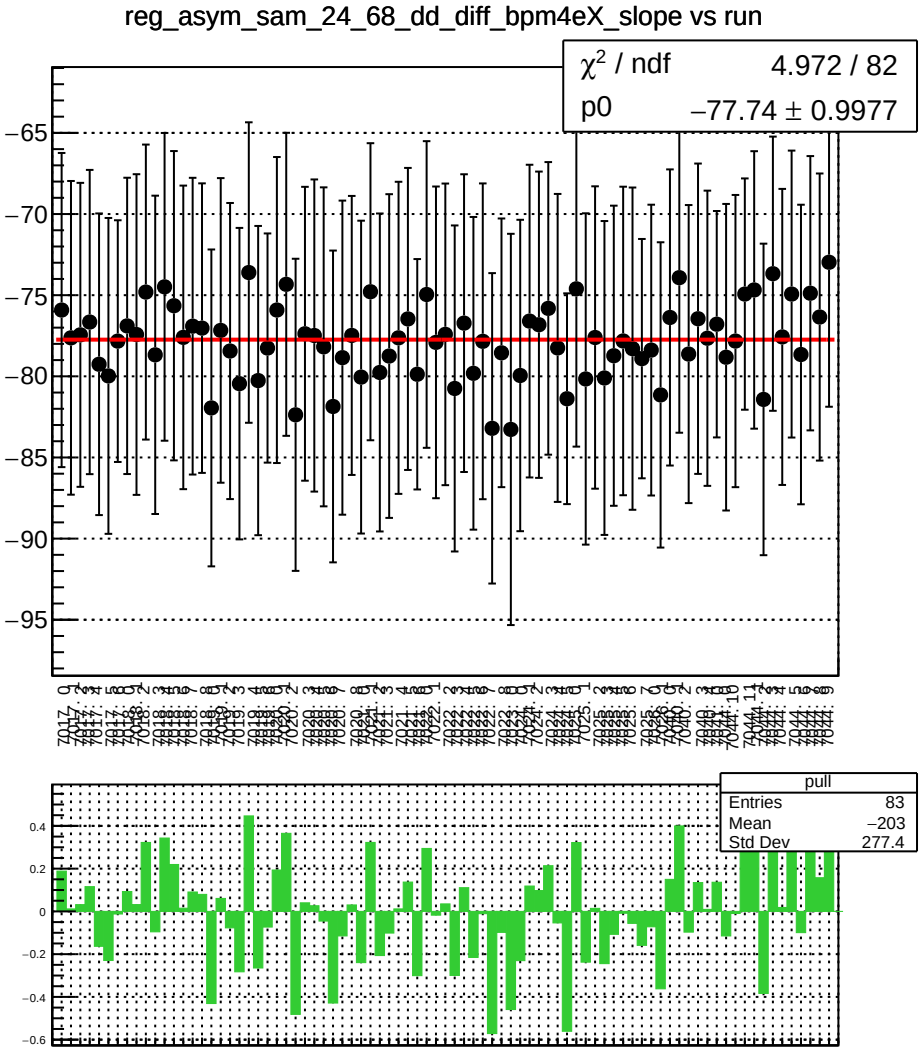

pull1D
Entries 83
Mean −0.005266
Std Dev 0.2406

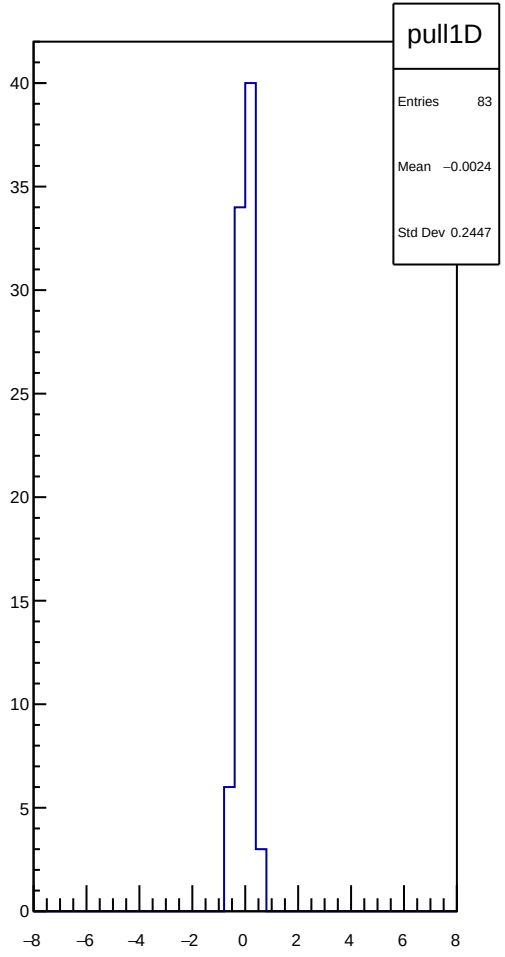

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 3.734 / 82
p0 −27.87 ± 1.072
pull
Entries 83
Mean 711.2
Std Dev 637

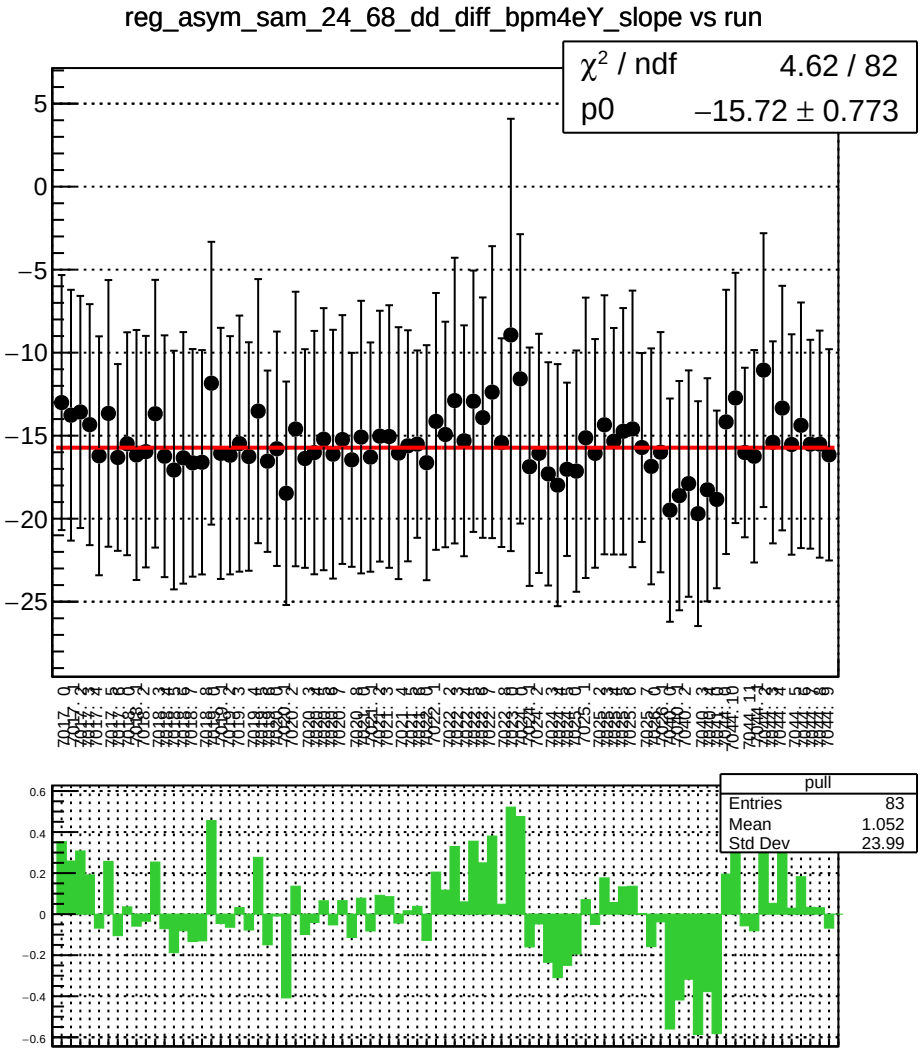

pull1D
Entries 83
Mean −0.0007255
Std Dev 0.2121

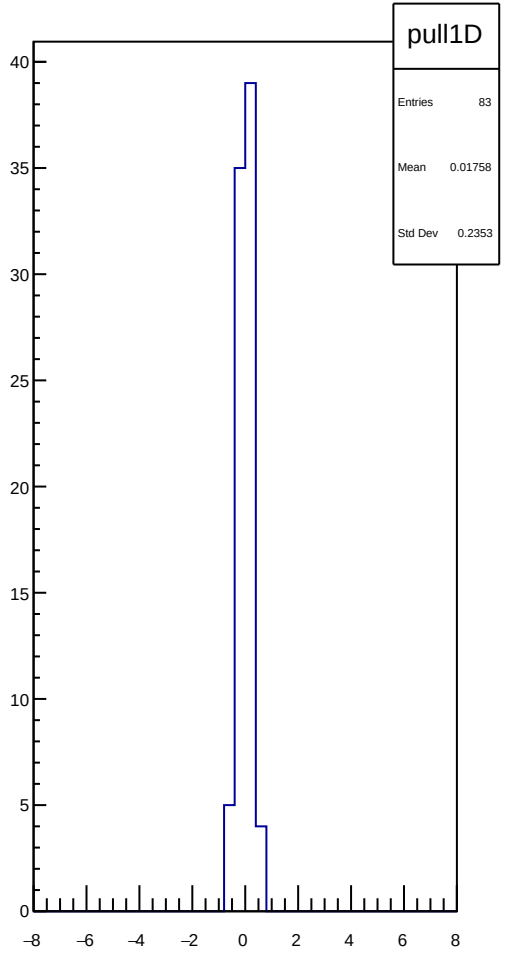

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.921 / 82
p0 −2.608 ± 0.7114
pull
Entries 83
Mean 33.44
Std Dev 34.67

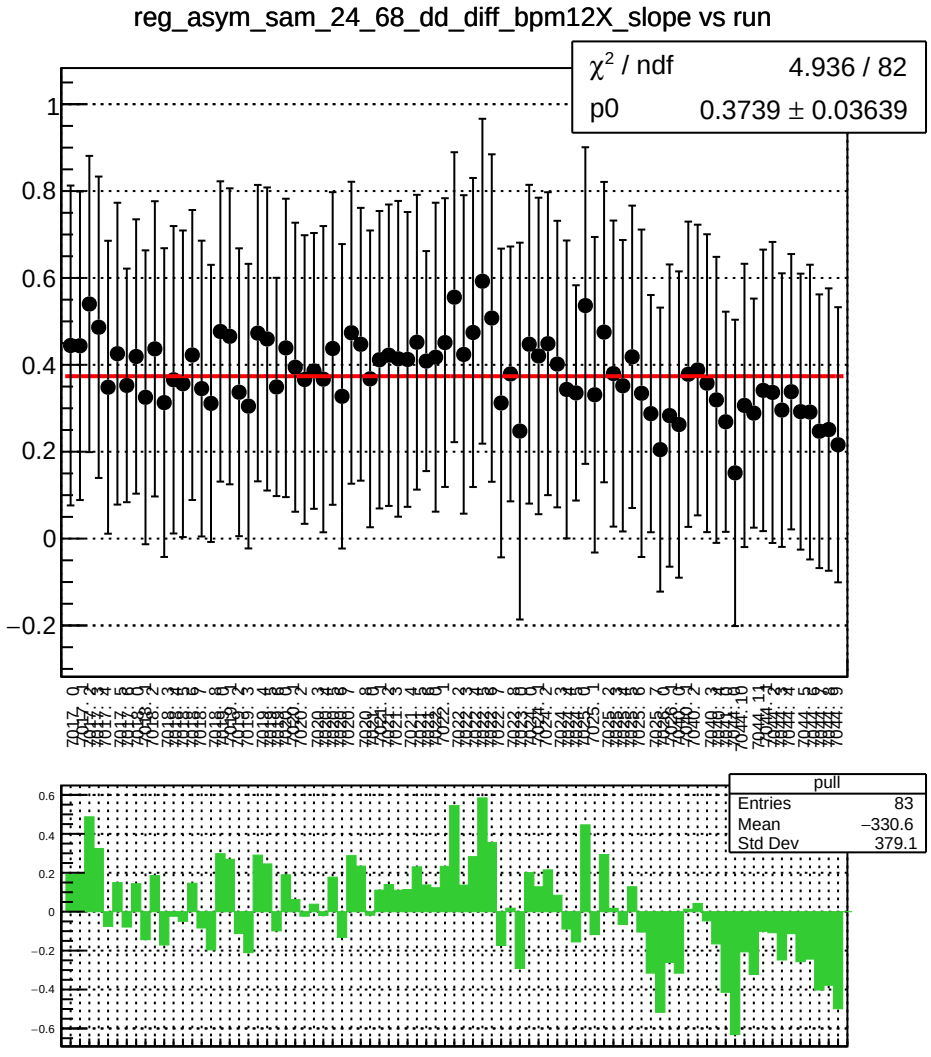

pull1D
Entries 83
Mean −0.02069
Std Dev 0.2164

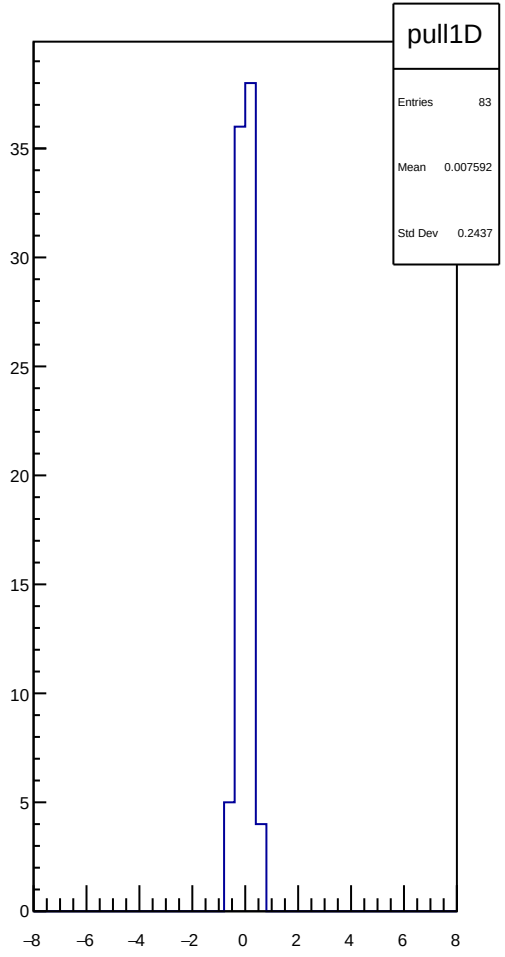

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.972 / 82
p0 −77.74 ± 0.9977
pull
Entries 83
Mean −203
Std Dev 277.4

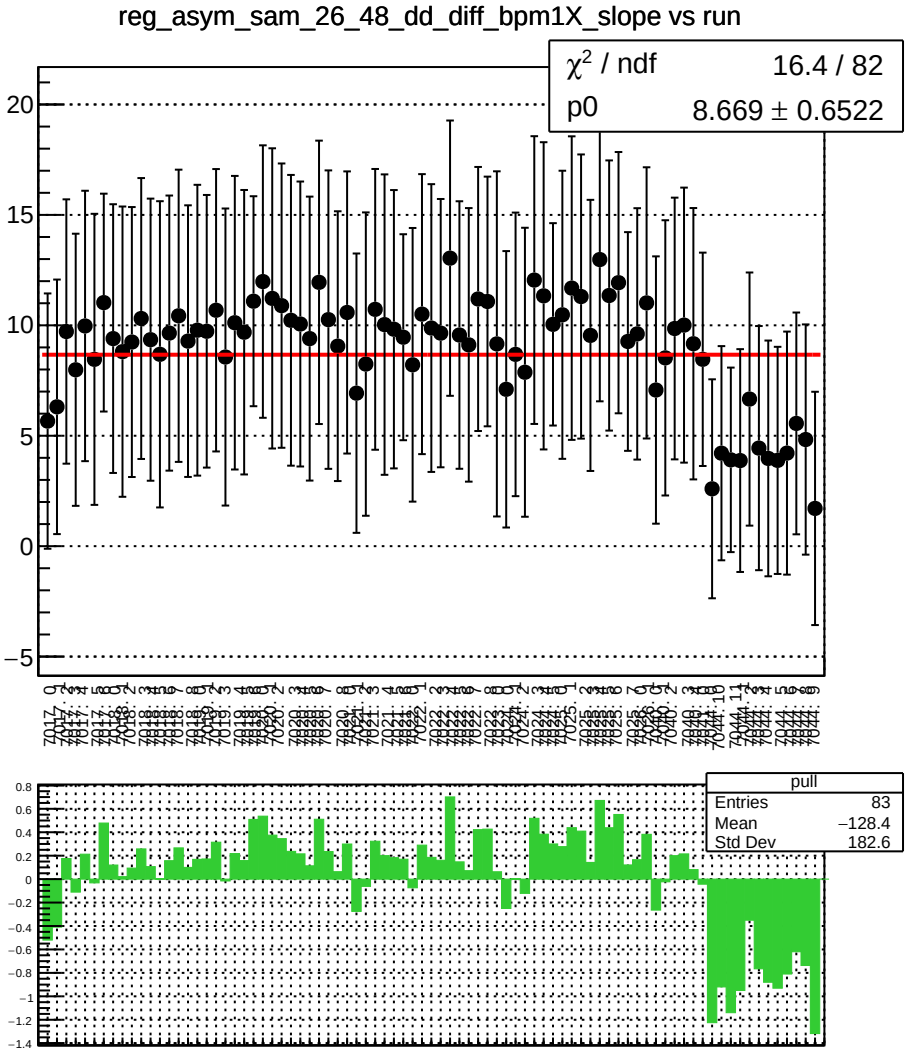

pull1D
Entries 83
Mean −0.0024
Std Dev 0.2447

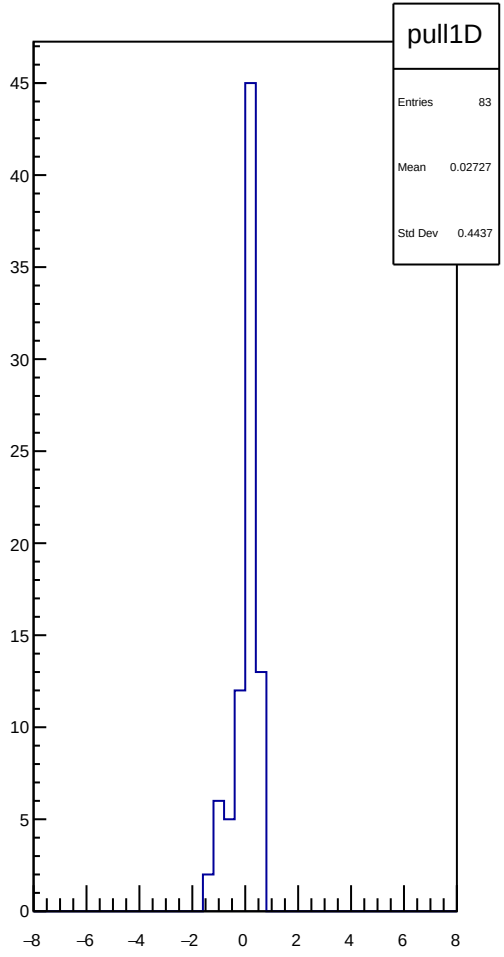

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.62 / 82
p0 −15.72 ± 0.773
pull
Entries 83
Mean 1.052
Std Dev 23.99

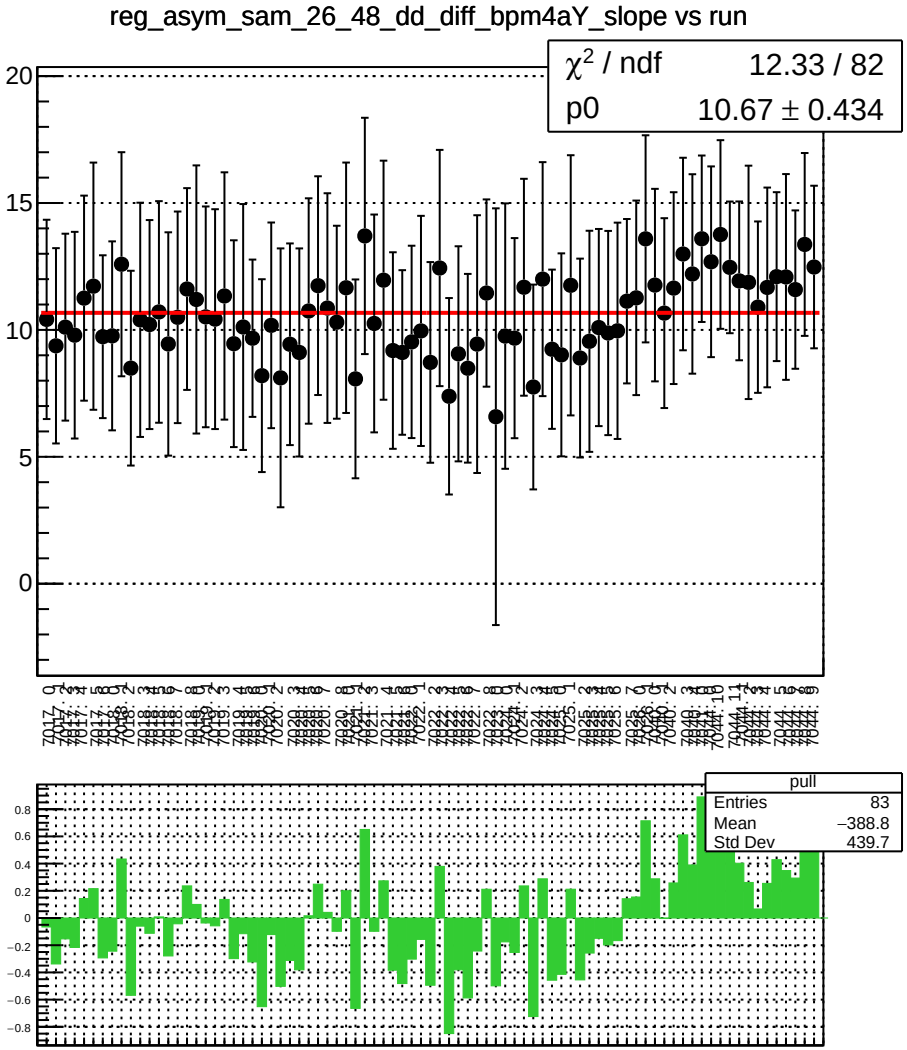

pull1D
Entries 83
Mean 0.01758
Std Dev 0.2353

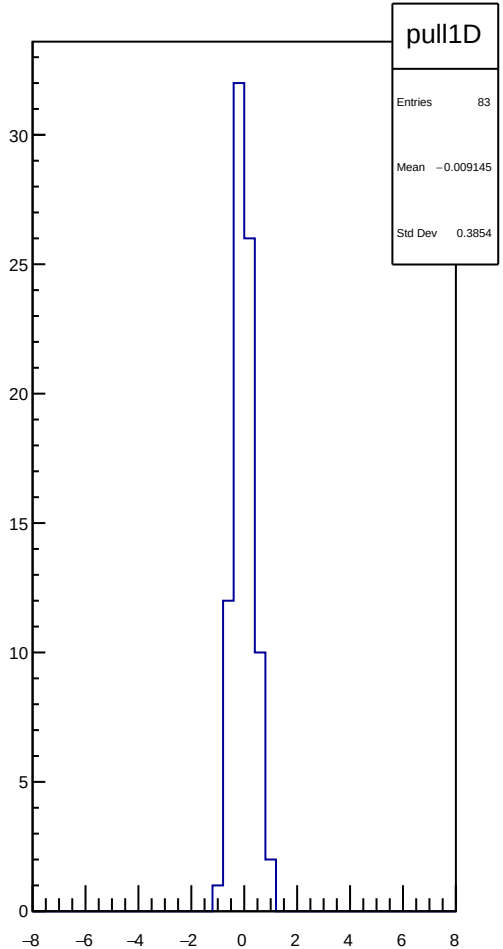

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.936 / 82
p0 0.3739 ± 0.03639
pull
Entries 83
Mean −330.6
Std Dev 379.1


pull1D
Entries 83
Mean 0.007592
Std Dev 0.2437

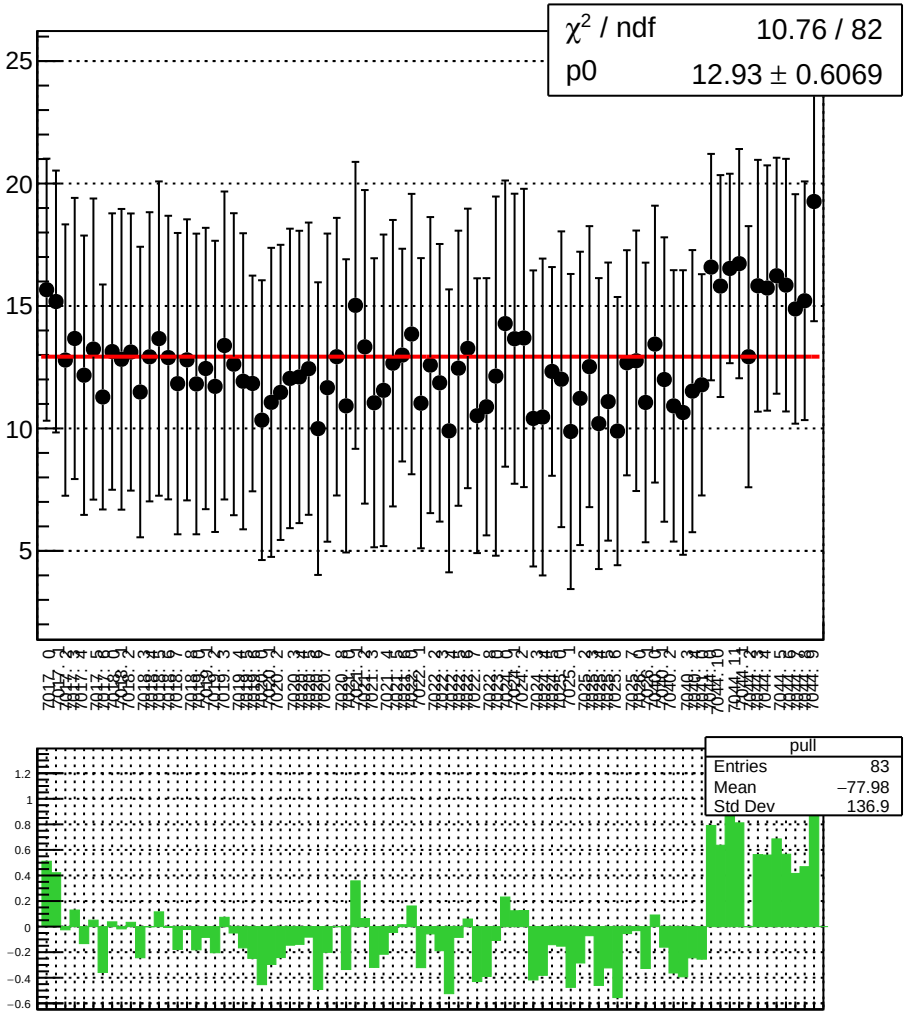

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 16.4 / 82
p0 8.669 ± 0.6522
pull
Entries 83
Mean −128.4
Std Dev 182.6

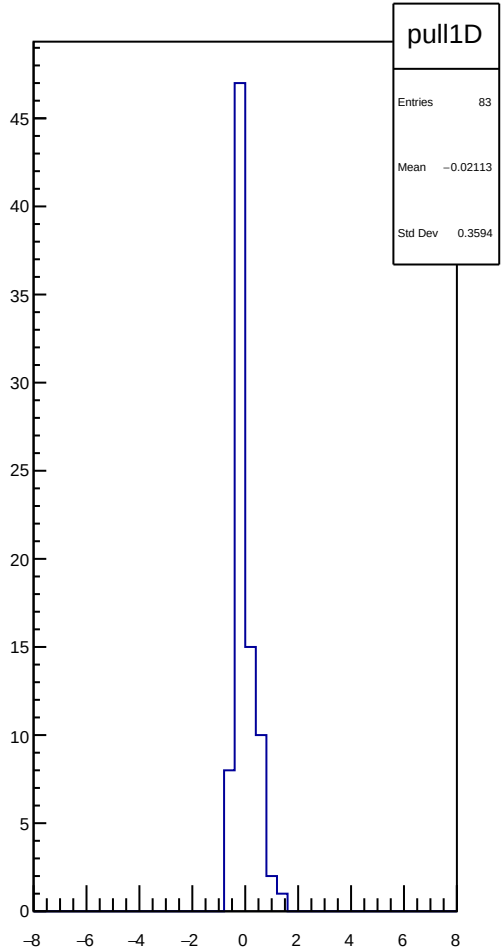

pull1D
Entries 83
Mean 0.02727
Std Dev 0.4437

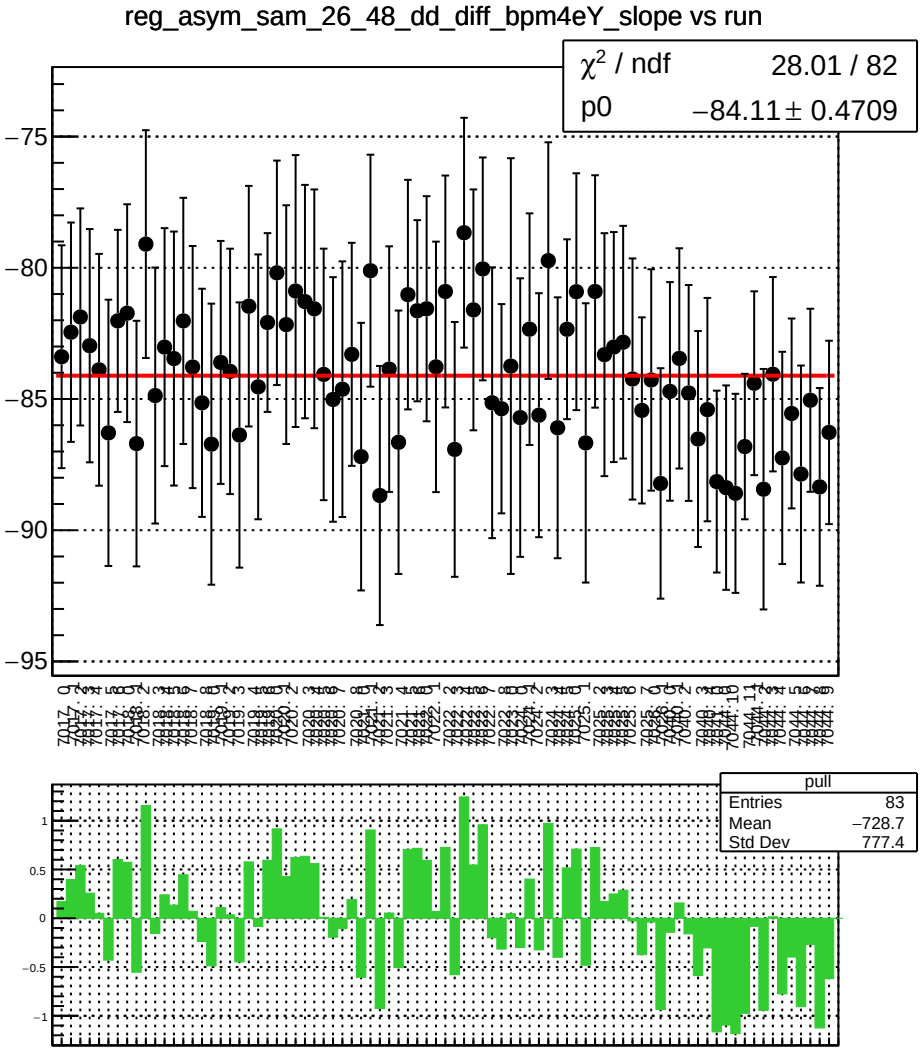

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.33 / 82
p0 10.67 ± 0.434
pull
Entries 83
Mean −388.8
Std Dev 439.7

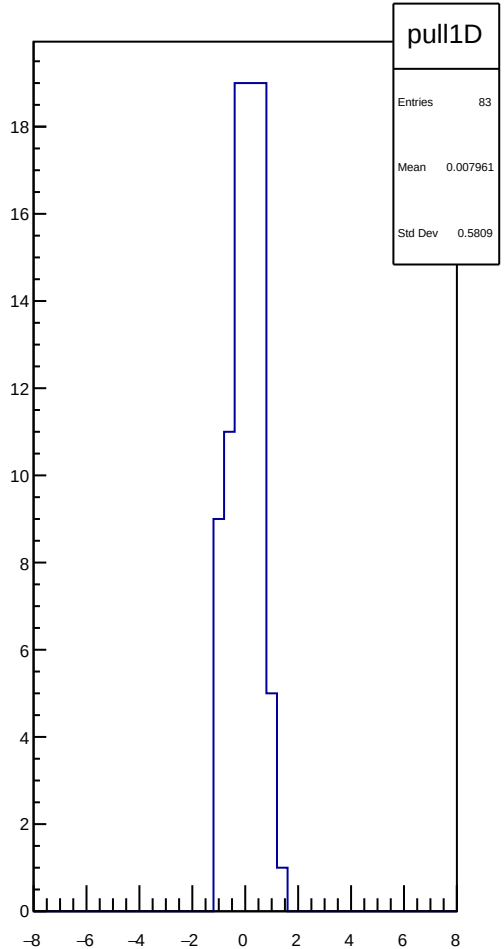

pull1D
Entries 83
Mean −0.009145
Std Dev 0.3854

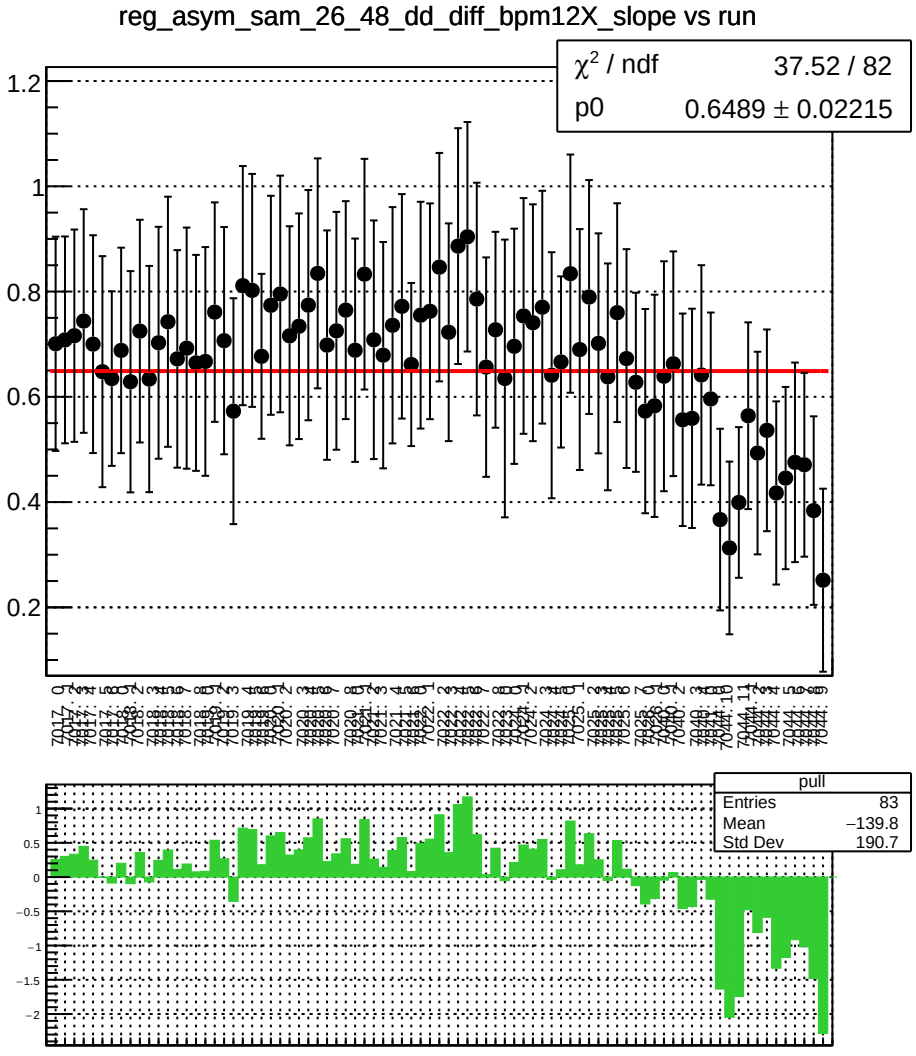
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run

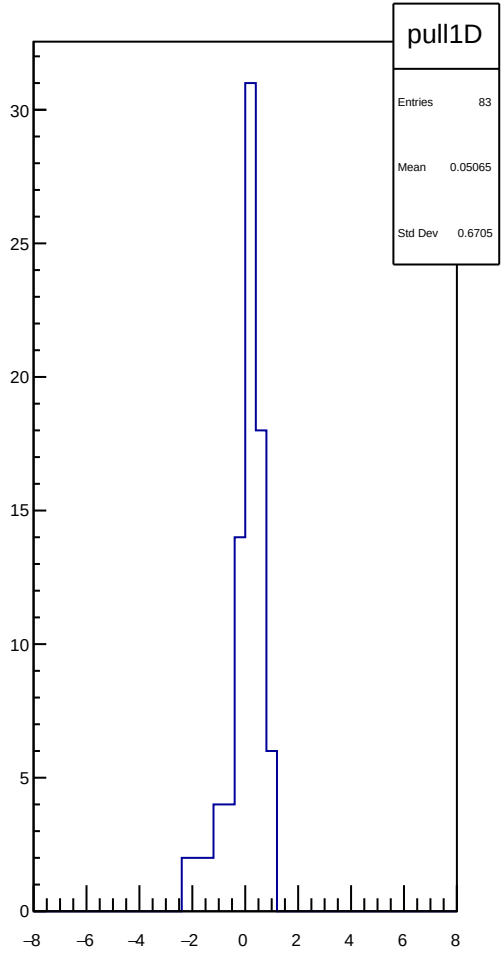


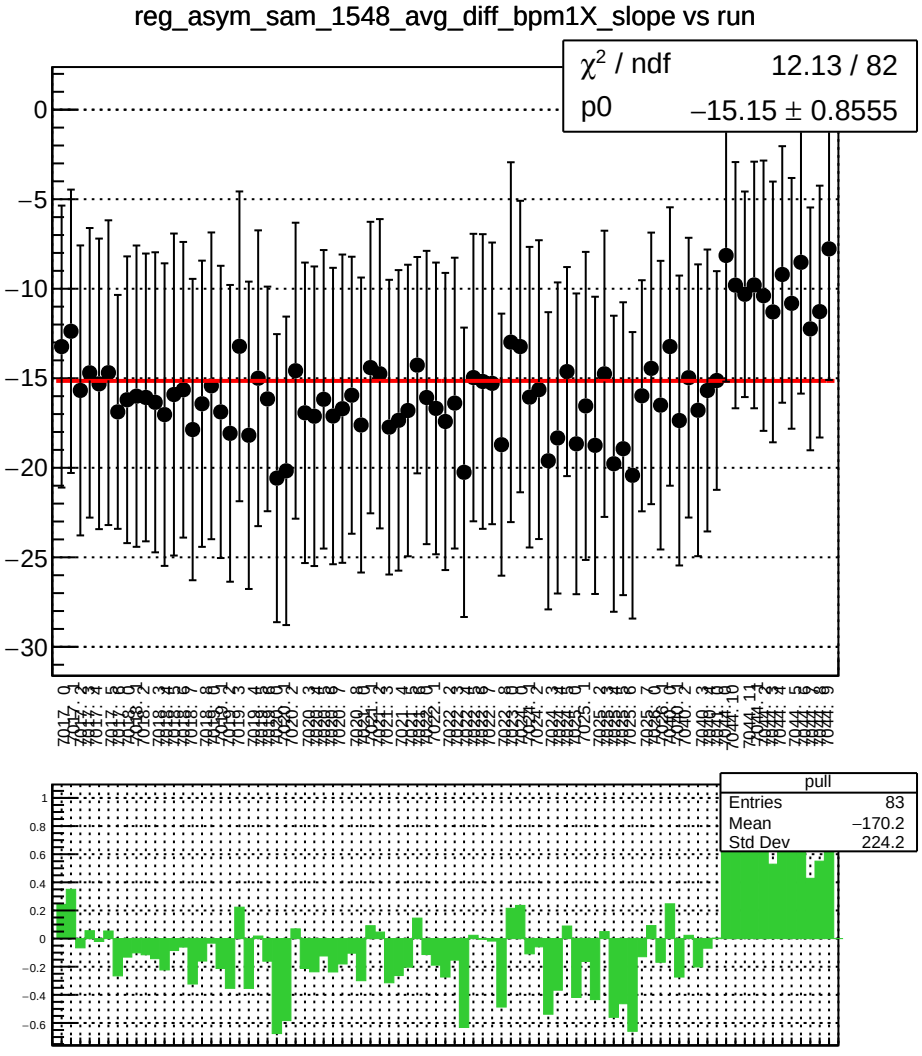


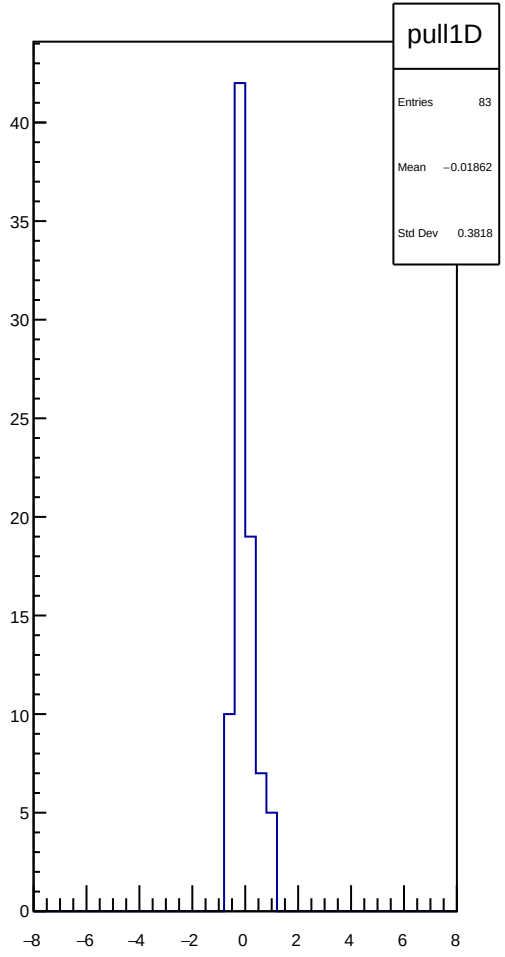

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.01 / 82
p0 −84.11 ± 0.4709
pull
Entries 83
Mean −728.7
Std Dev 777.4

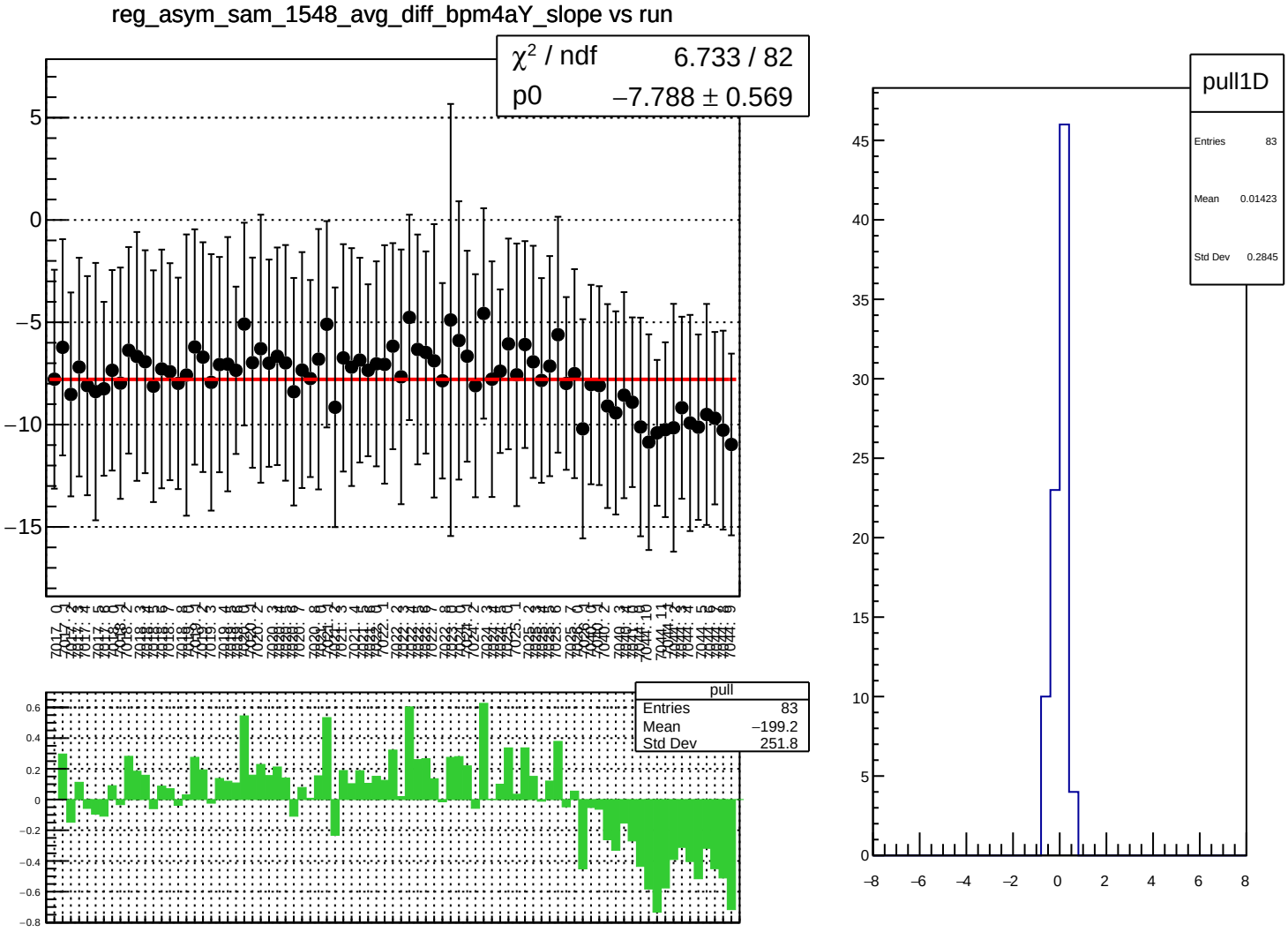

pull1D
Entries 83
Mean 0.007961
Std Dev 0.5809

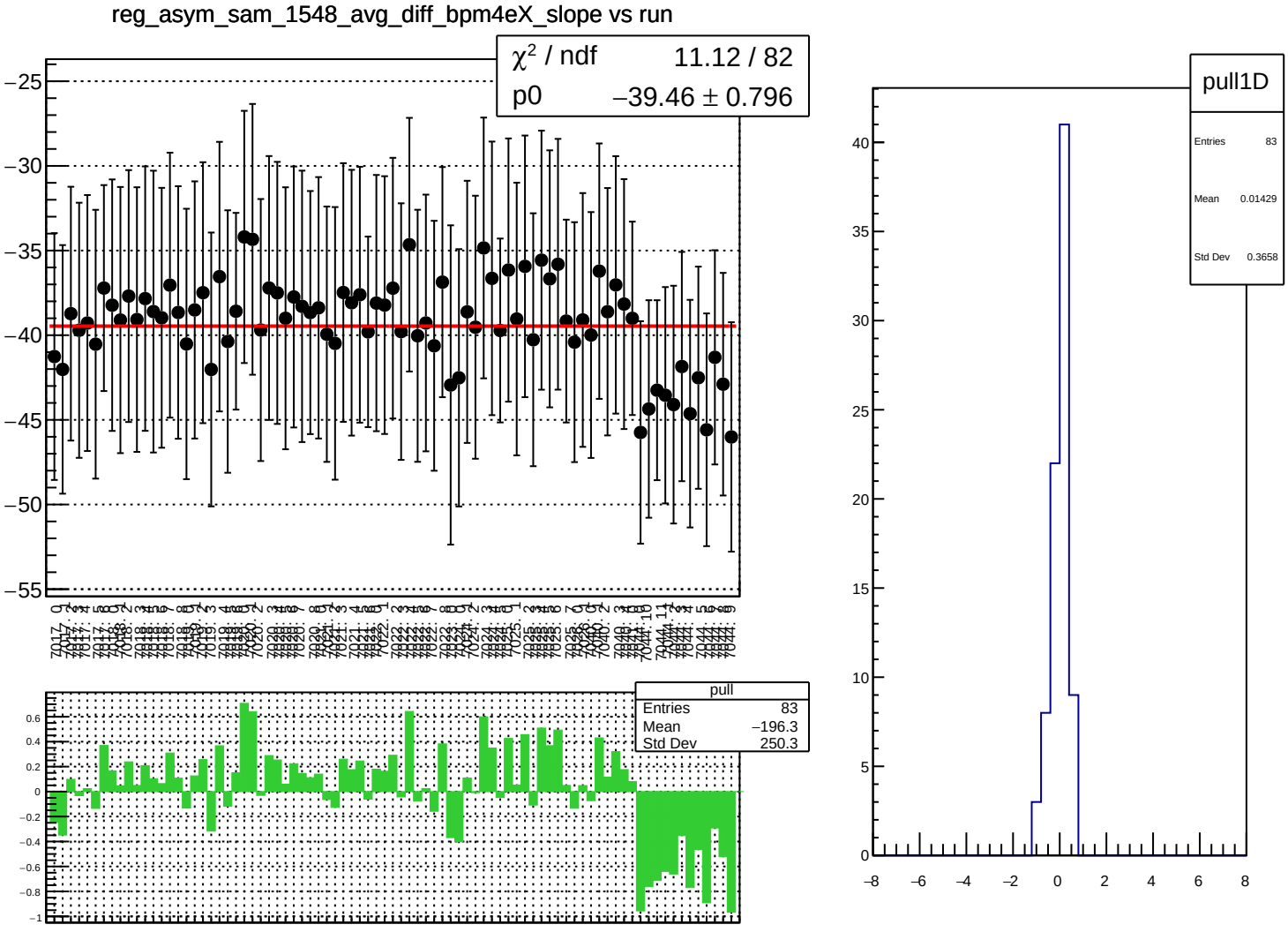

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 37.52 / 82
p0 0.6489 ± 0.02215
pull
Entries 83
Mean −139.8
Std Dev 190.7

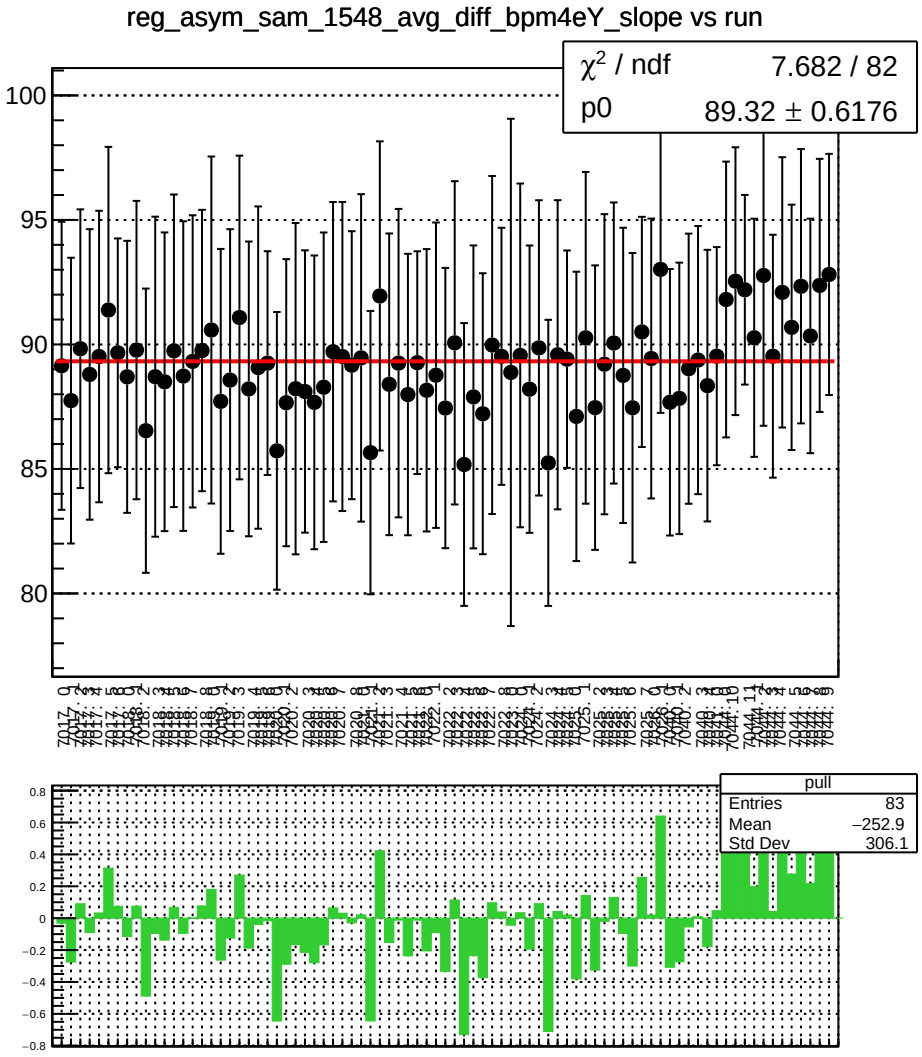

pull1D
Entries 83
Mean 0.05065
Std Dev 0.6705

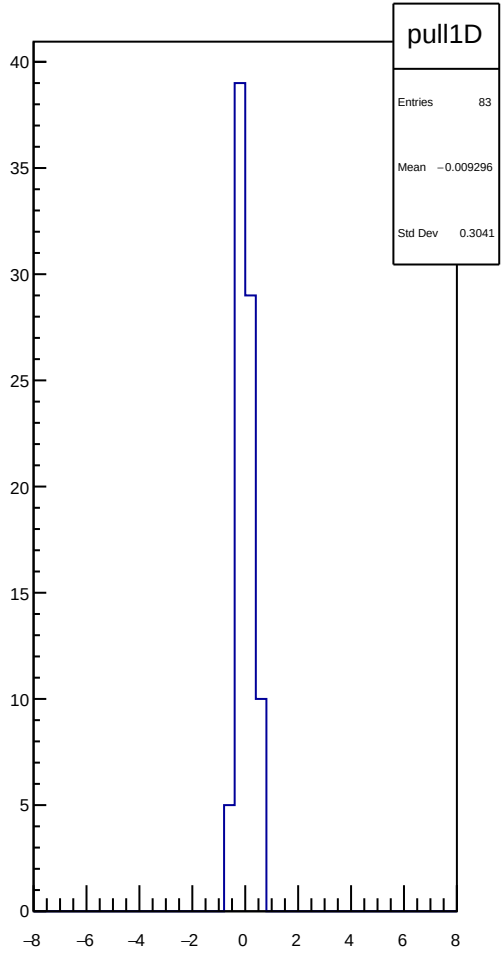

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.13 / 82
p0 −15.15 ± 0.8555
pull
Entries 83
Mean −170.2
Std Dev 224.2

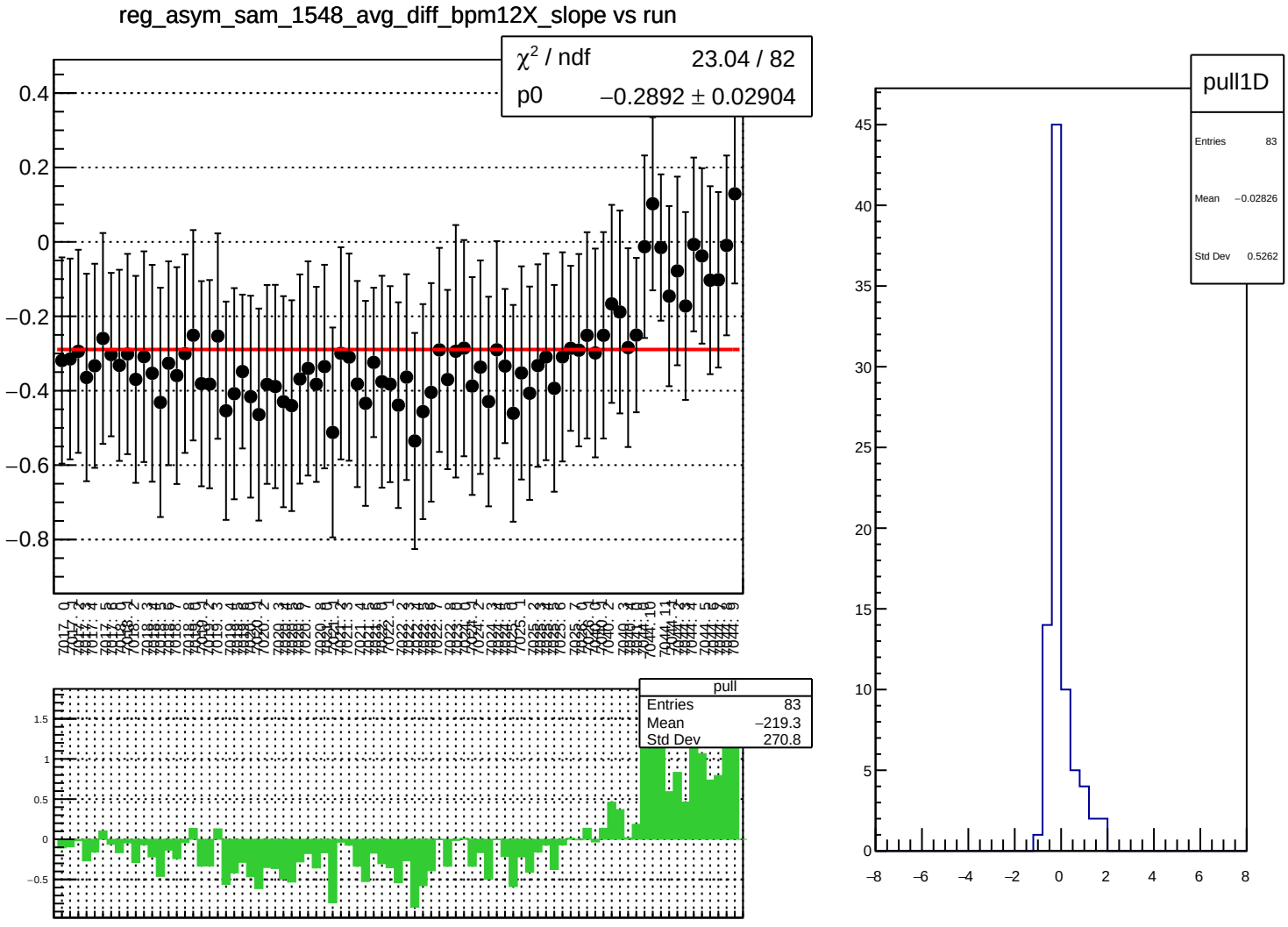

pull1D
Entries 83
Mean −0.01862
Std Dev 0.3818

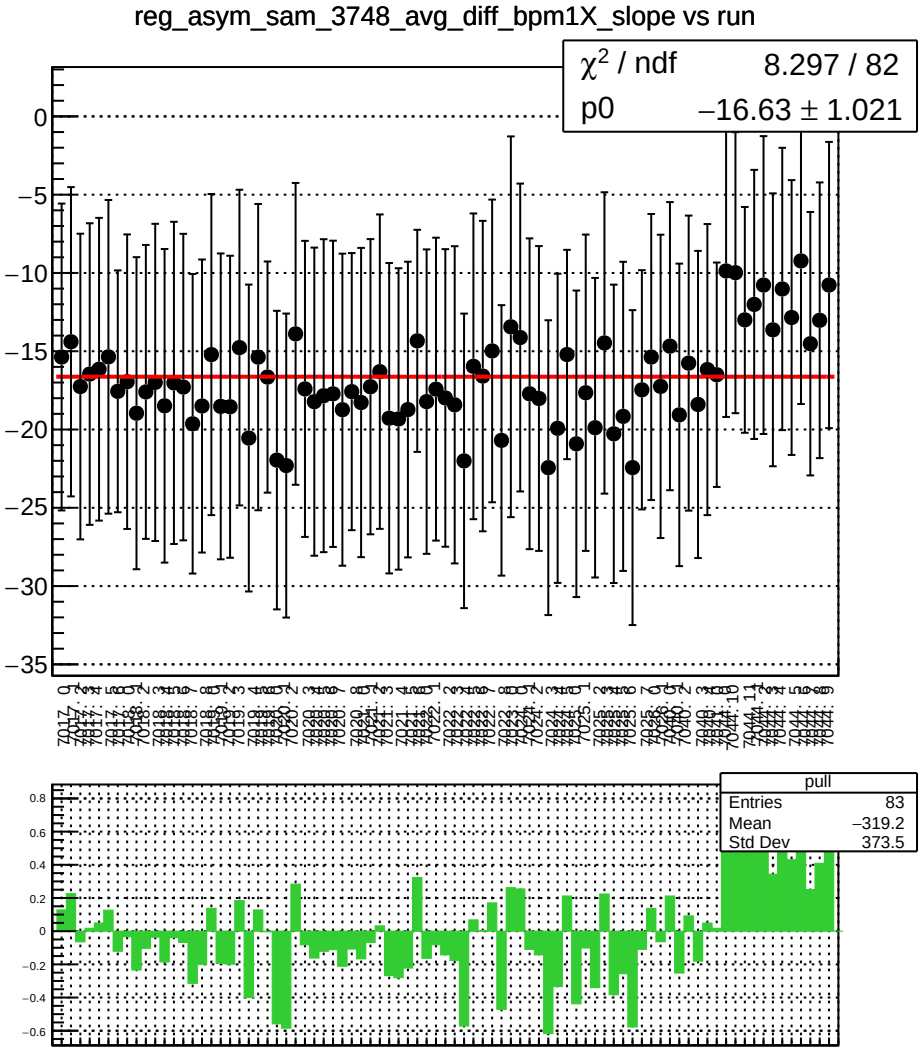

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.733 / 82
p0 −7.788 ± 0.569
pull
Entries 83
Mean −199.2
Std Dev 251.8
pull1D
Entries 83
Mean 0.01423
Std Dev 0.2845

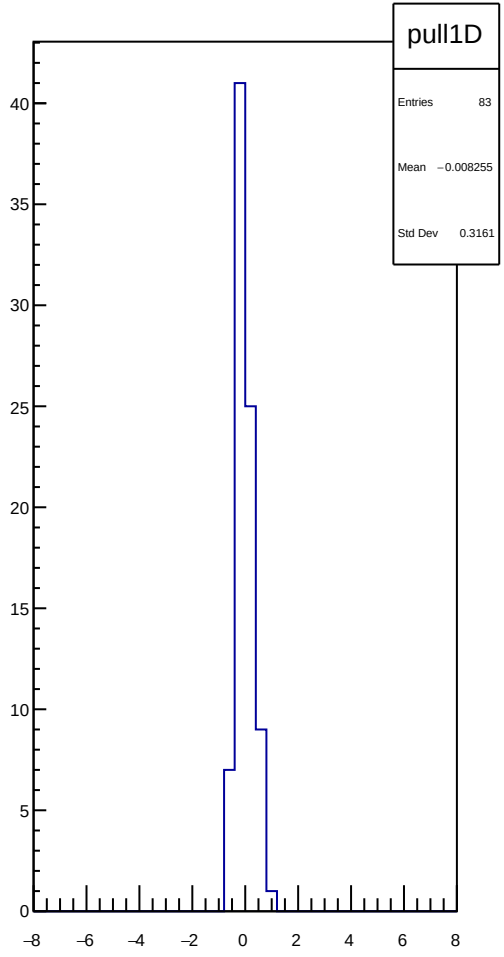

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.12 / 82
p0 −39.46 ± 0.796
pull
Entries 83
Mean −196.3
Std Dev 250.3
pull1D
Entries 83
Mean 0.01429
Std Dev 0.3658

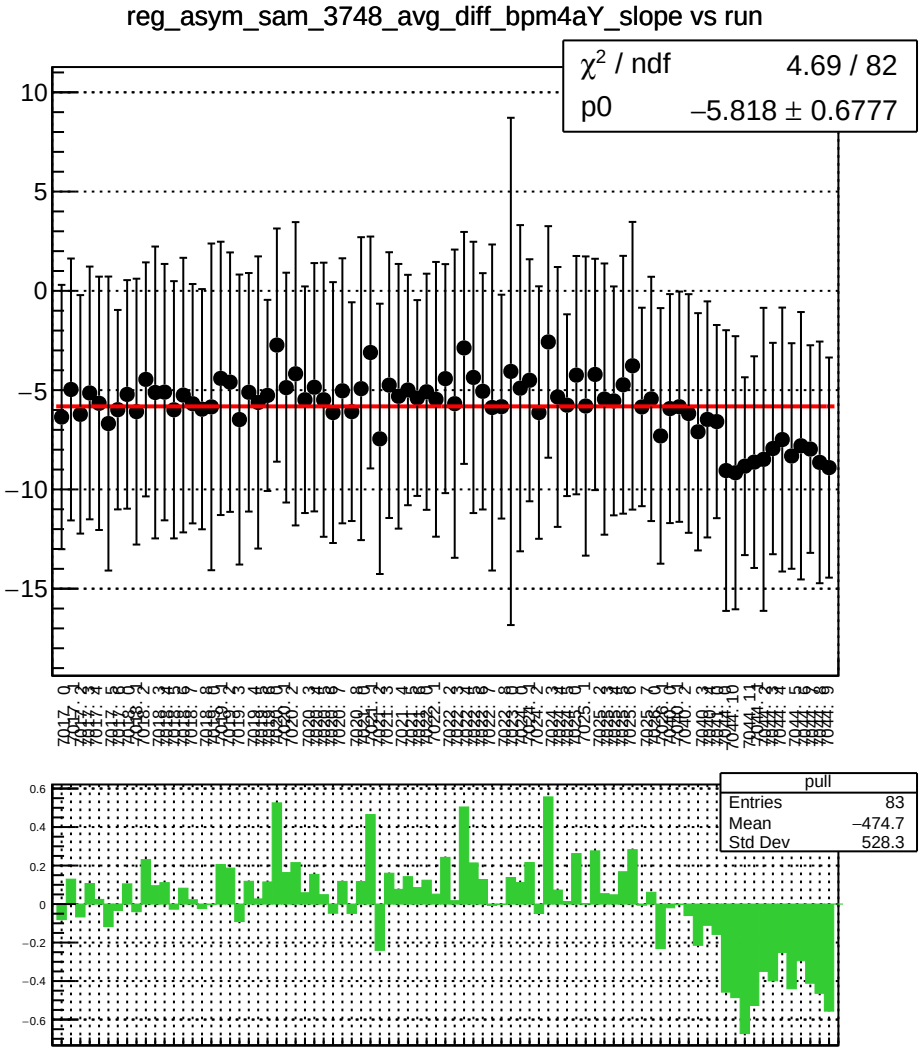

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.682 / 82
p0 89.32 ± 0.6176
pull
Entries 83
Mean −252.9
Std Dev 306.1

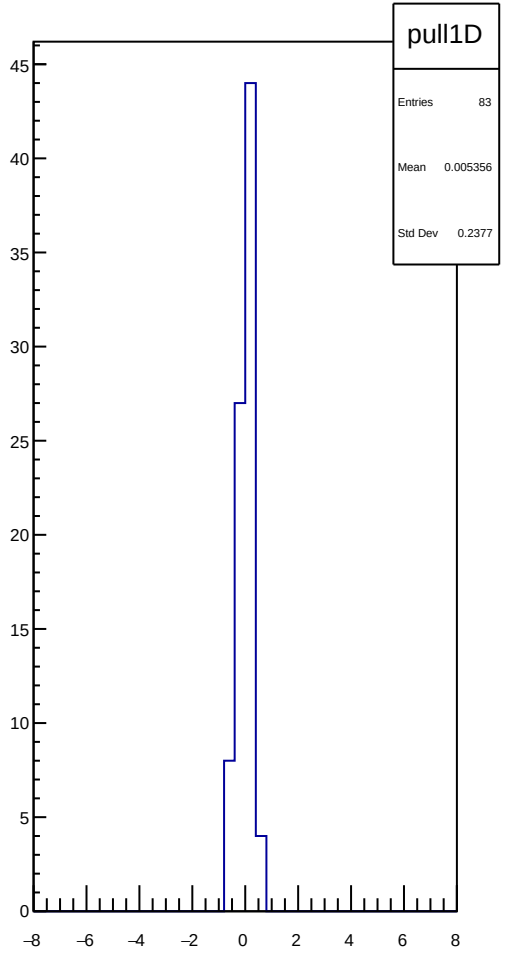

pull1D
Entries 83
Mean −0.009296
Std Dev 0.3041


reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 23.04 / 82
p0 −0.2892 ± 0.02904
pull
Entries 83
Mean −219.3
Std Dev 270.8
pull1D
Entries 83
Mean −0.02826
Std Dev 0.5262

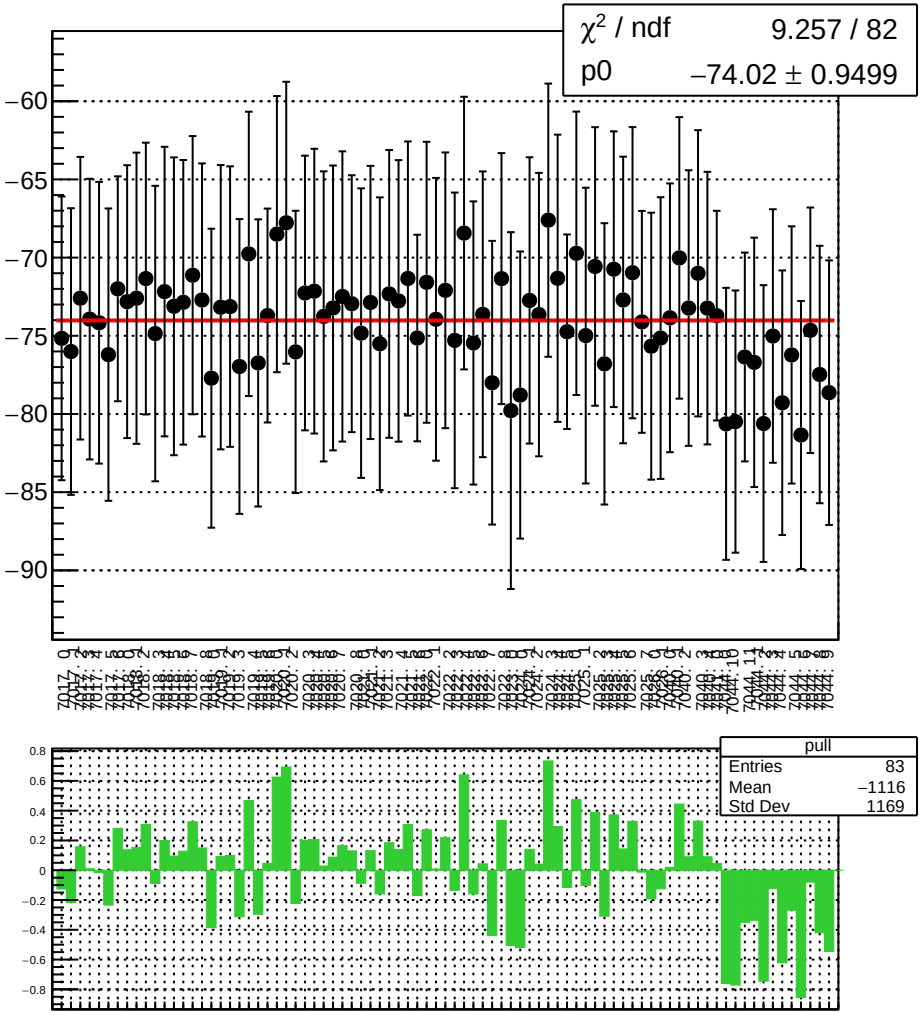

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.297 / 82
p0 −16.63 ± 1.021
pull
Entries 83
Mean −319.2
Std Dev 373.5

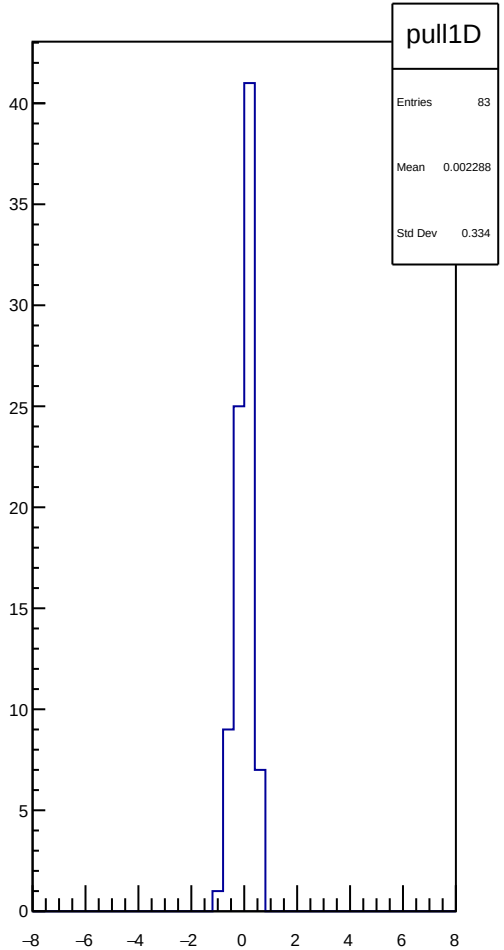

pull1D
Entries 83
Mean −0.008255
Std Dev 0.3161

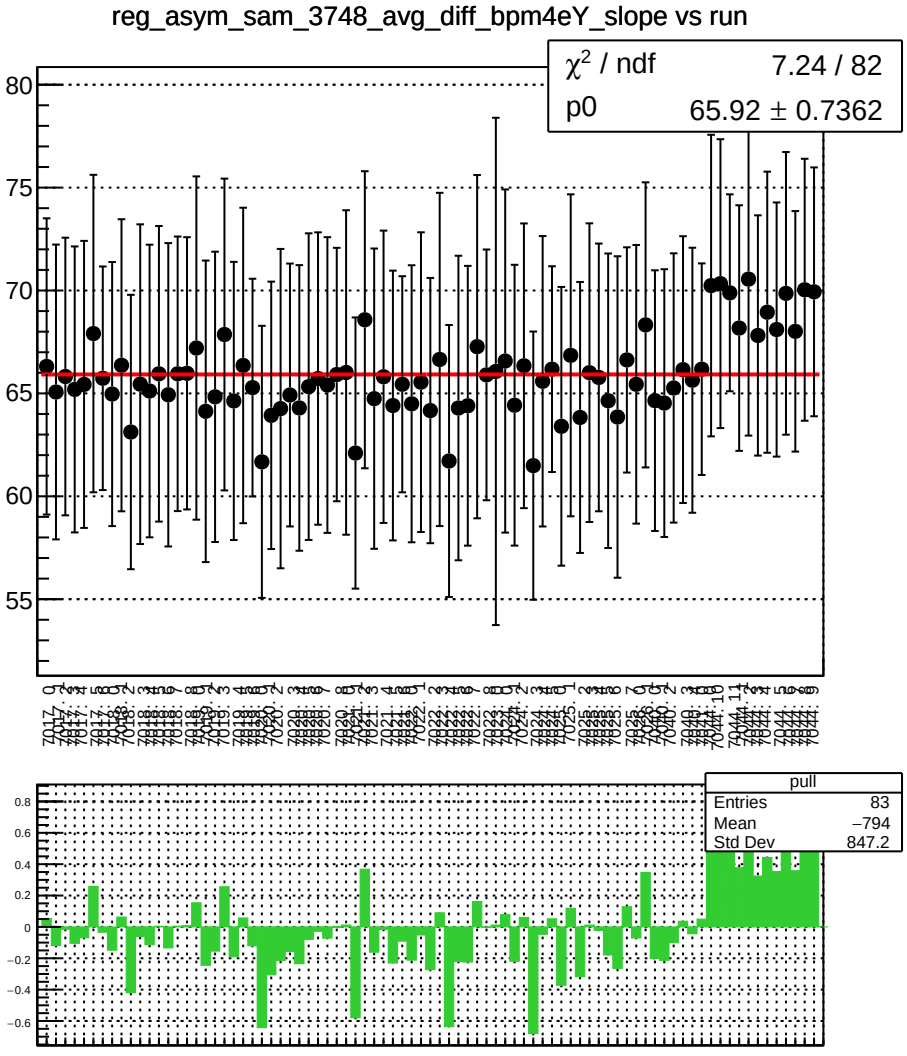

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.69 / 82
p0 −5.818 ± 0.6777
pull
Entries 83
Mean −474.7
Std Dev 528.3

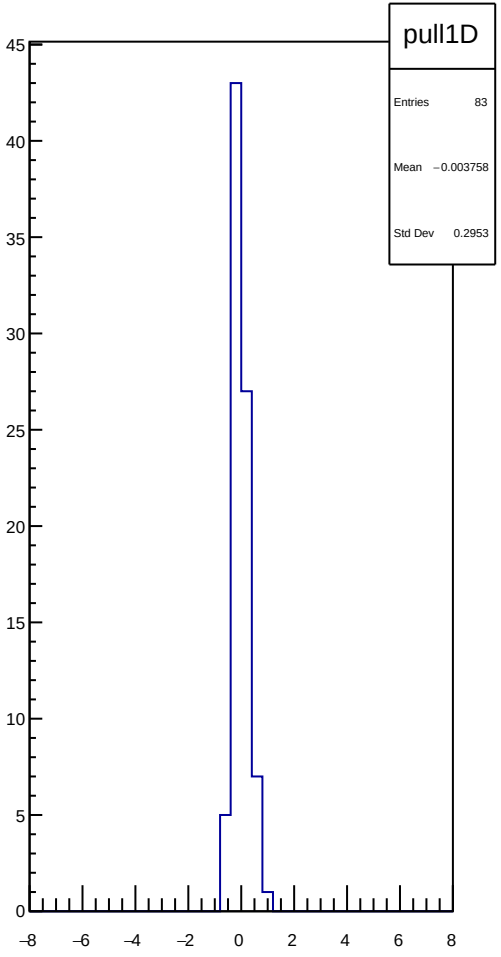

pull1D
Entries 83
Mean 0.005356
Std Dev 0.2377

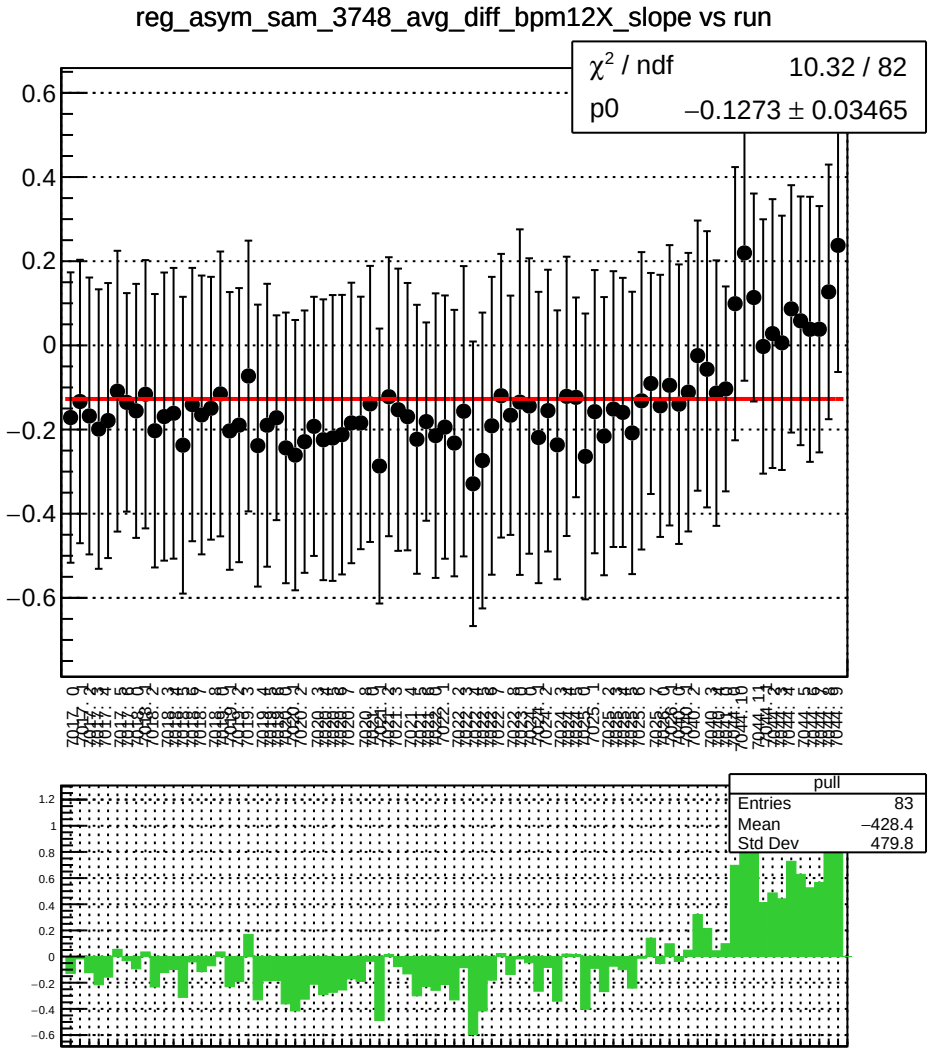
reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run

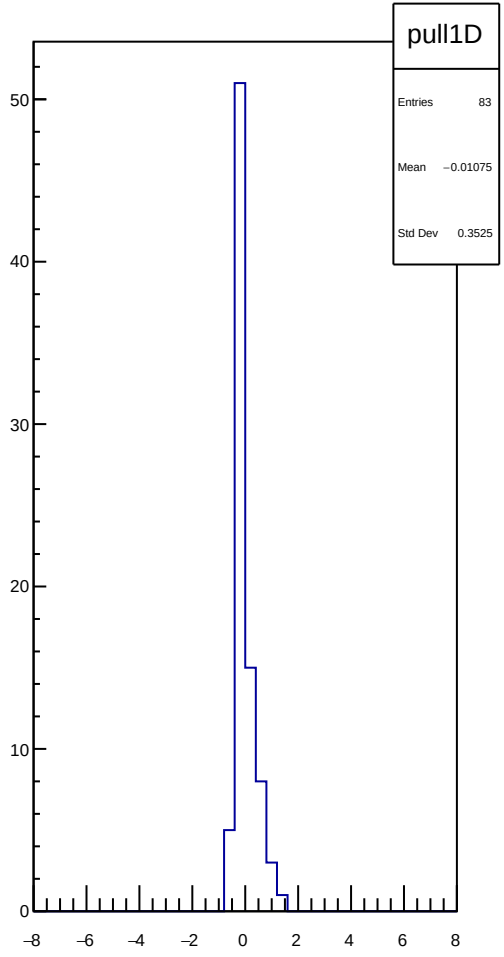


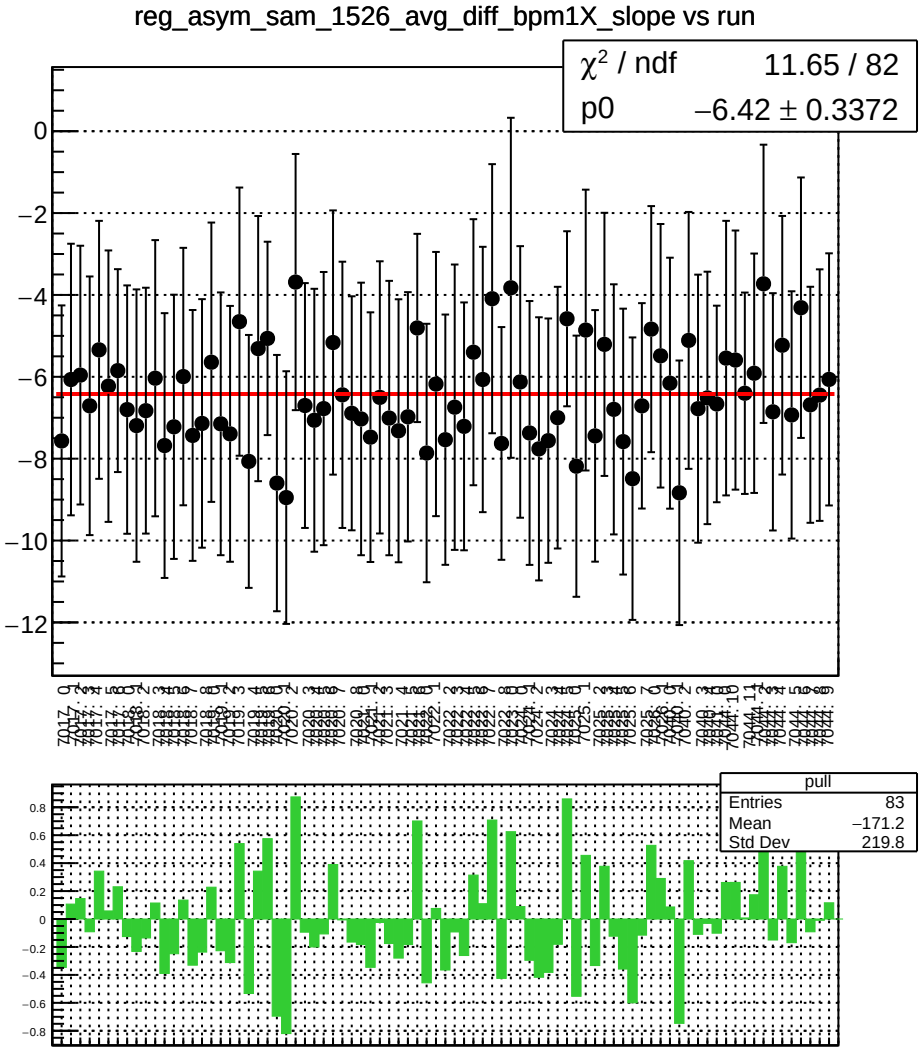


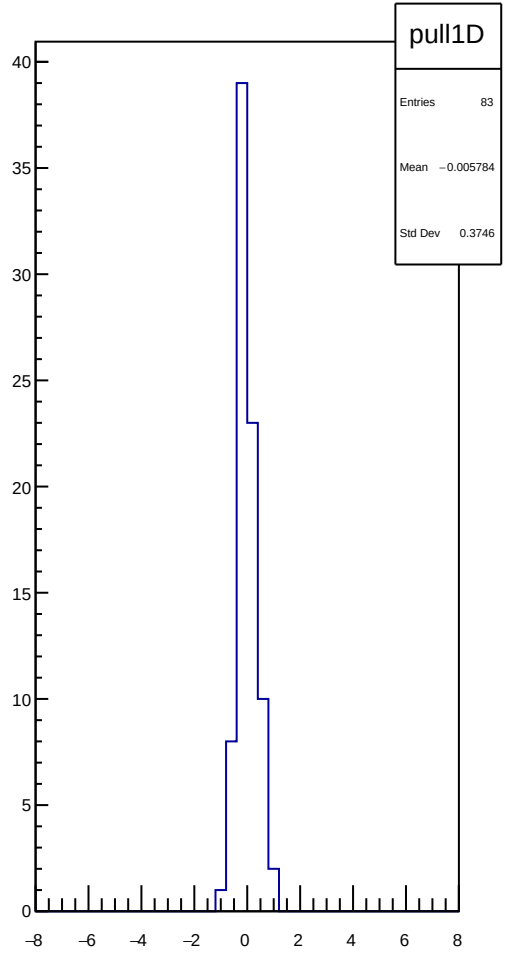

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.24 / 82
p0 65.92 ± 0.7362
pull
Entries 83
Mean −794
Std Dev 847.2

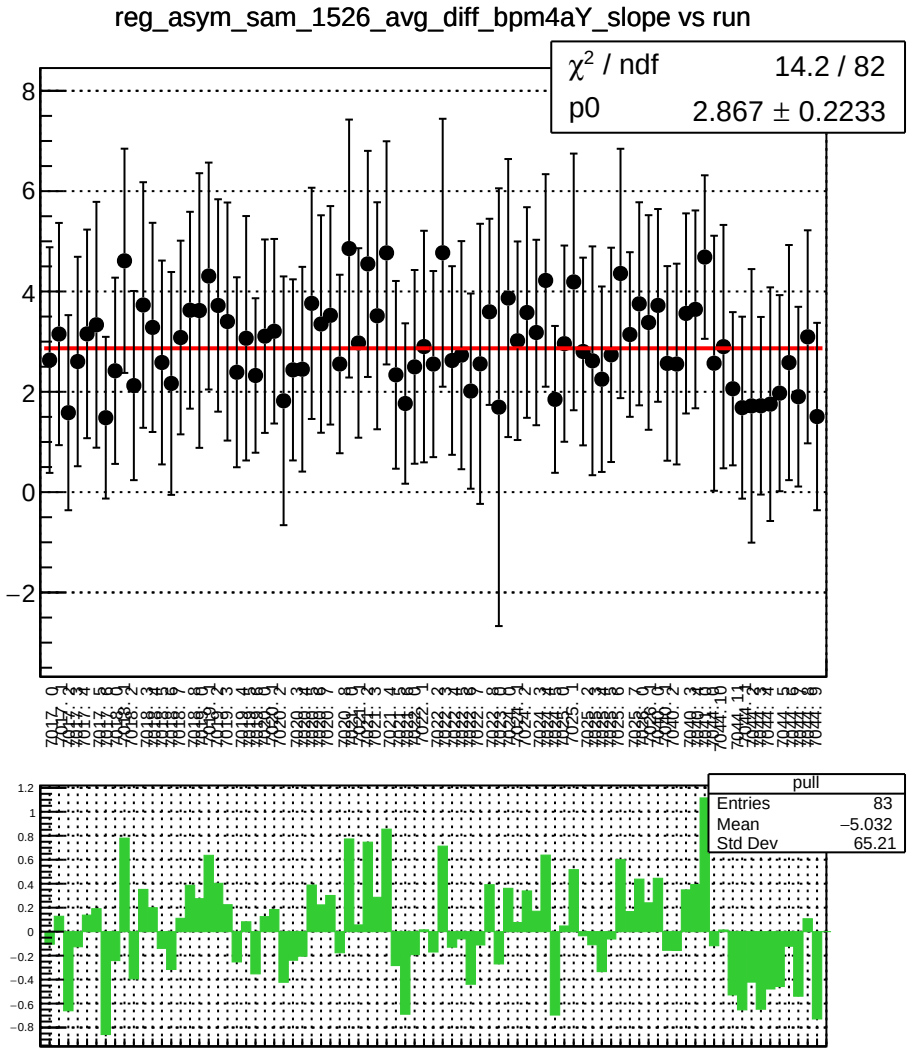

pull1D
Entries 83
Mean −0.003758
Std Dev 0.2953

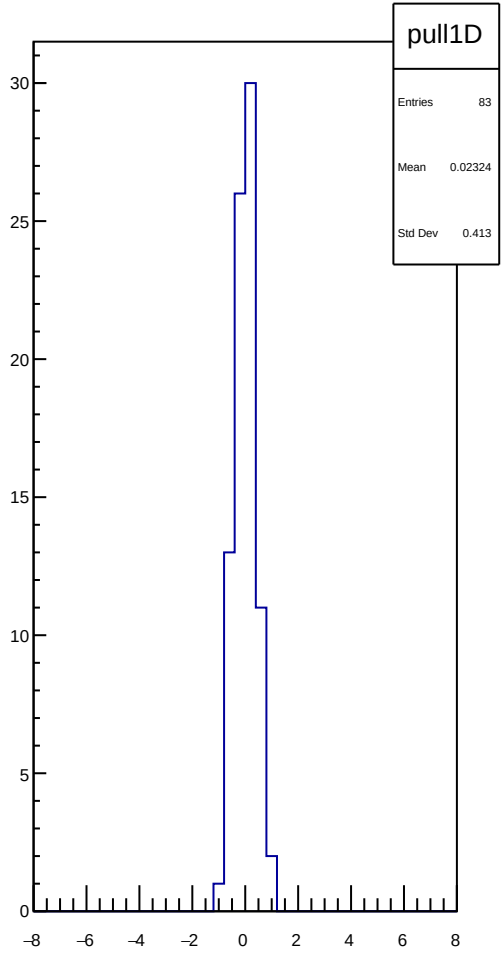

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 10.32 / 82
p0 −0.1273 ± 0.03465
pull
Entries 83
Mean −428.4
Std Dev 479.8

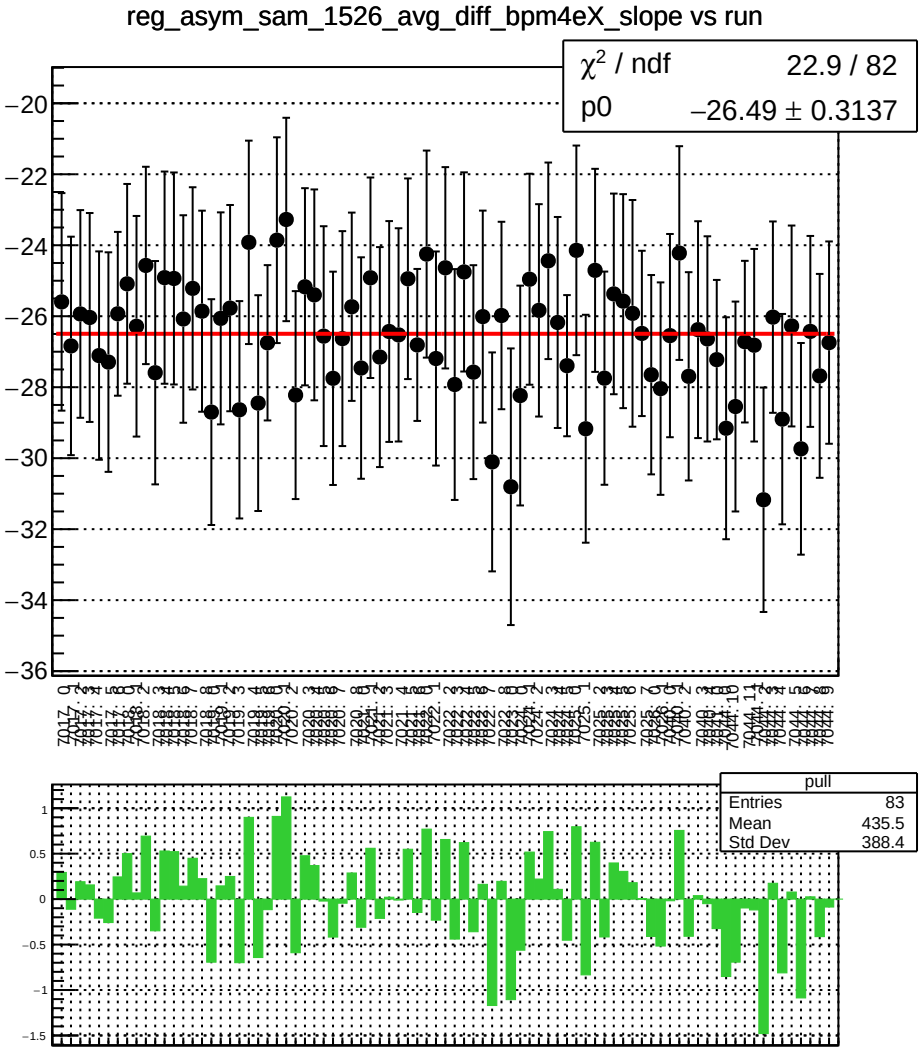

pull1D
Entries 83
Mean −0.01075
Std Dev 0.3525

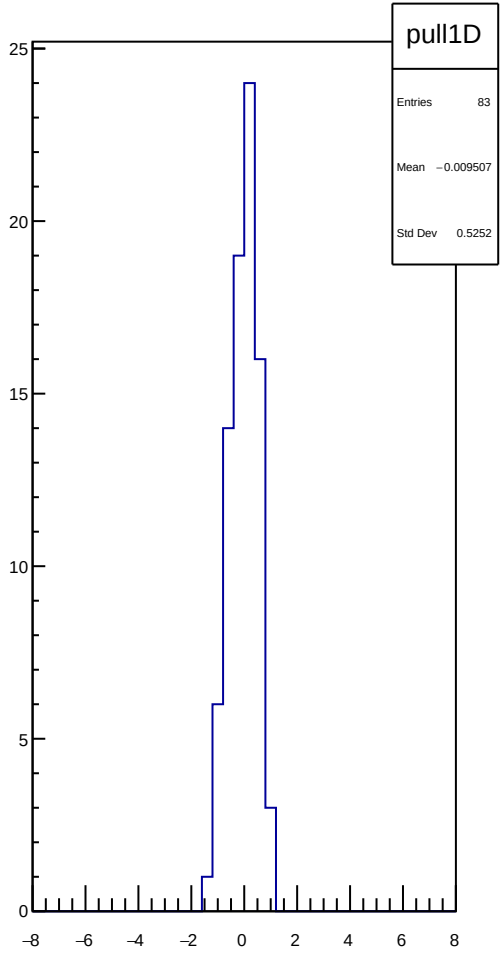

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.65 / 82
p0 −6.42 ± 0.3372
pull
Entries 83
Mean −171.2
Std Dev 219.8

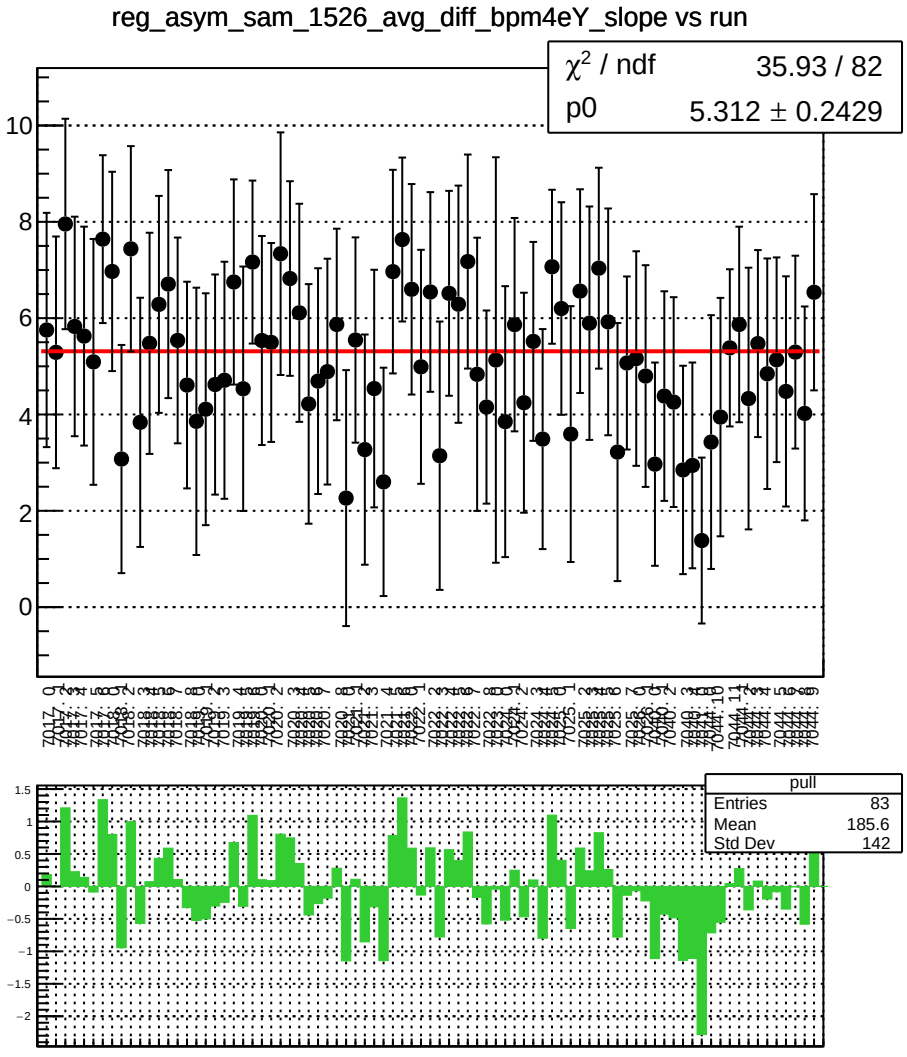

pull1D
Entries 83
Mean −0.005784
Std Dev 0.3746

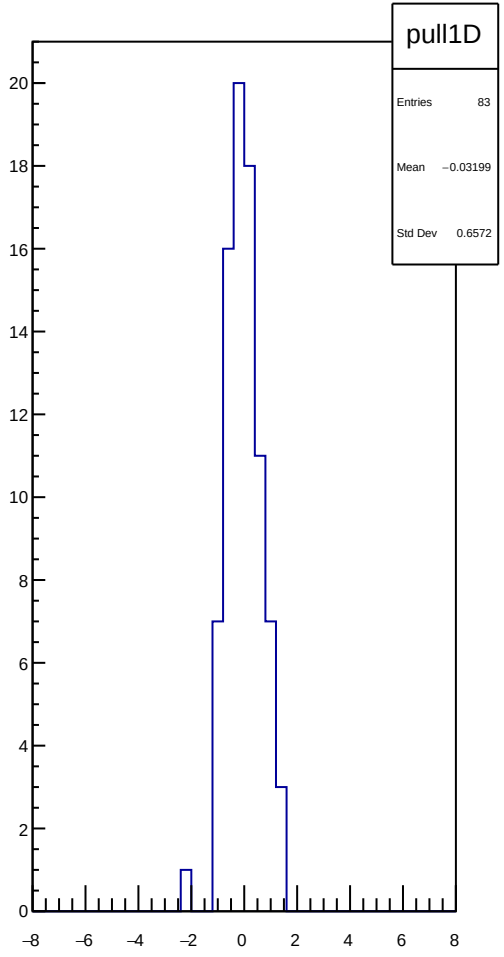

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.2 / 82
p0 2.867 ± 0.2233
pull
Entries 83
Mean −5.032
Std Dev 65.21

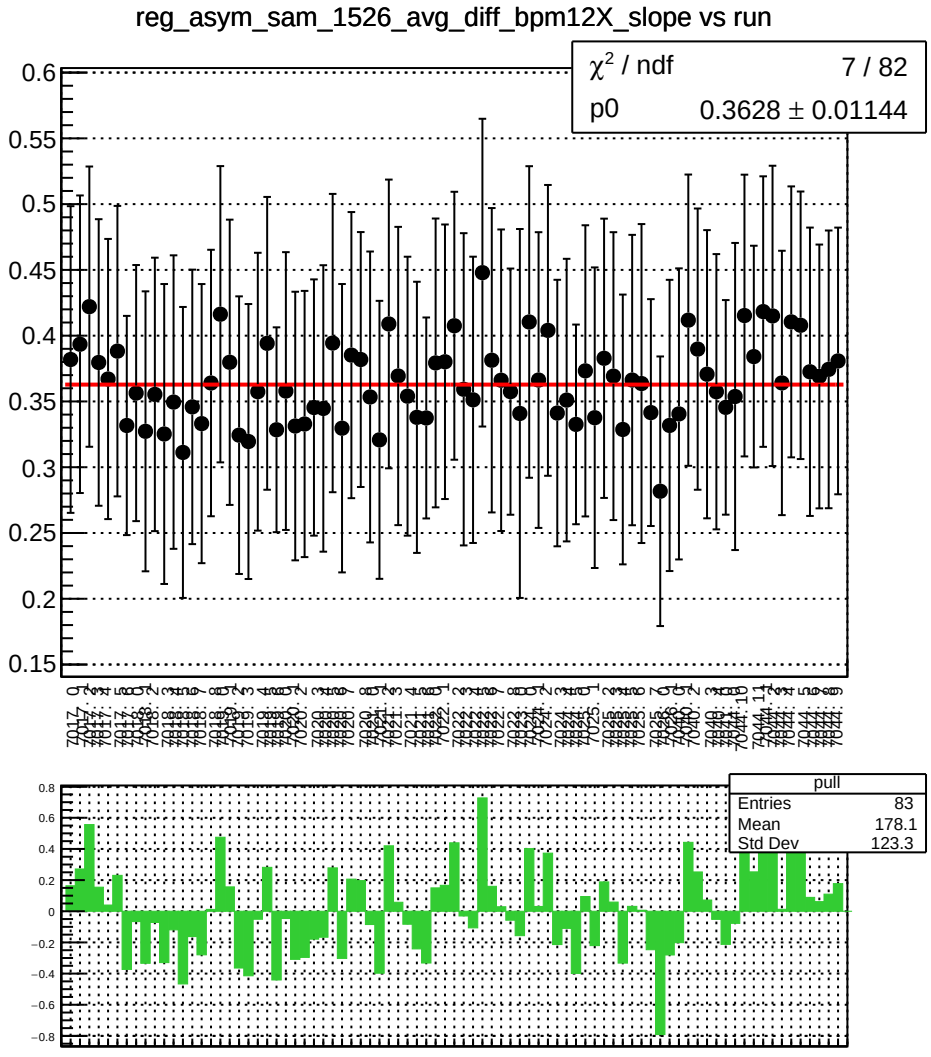

pull1D
Entries 83
Mean 0.02324
Std Dev 0.413

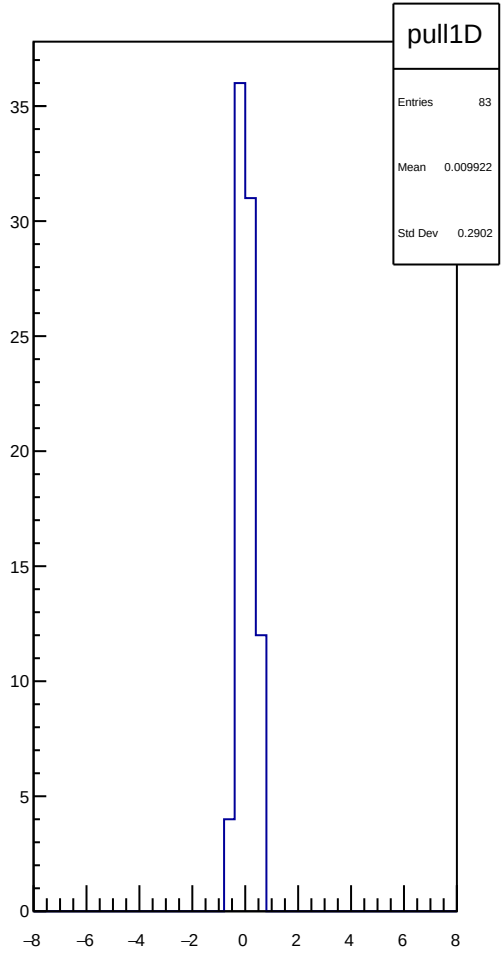

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.9 / 82
p0 −26.49 ± 0.3137
pull
Entries 83
Mean 435.5
Std Dev 388.4

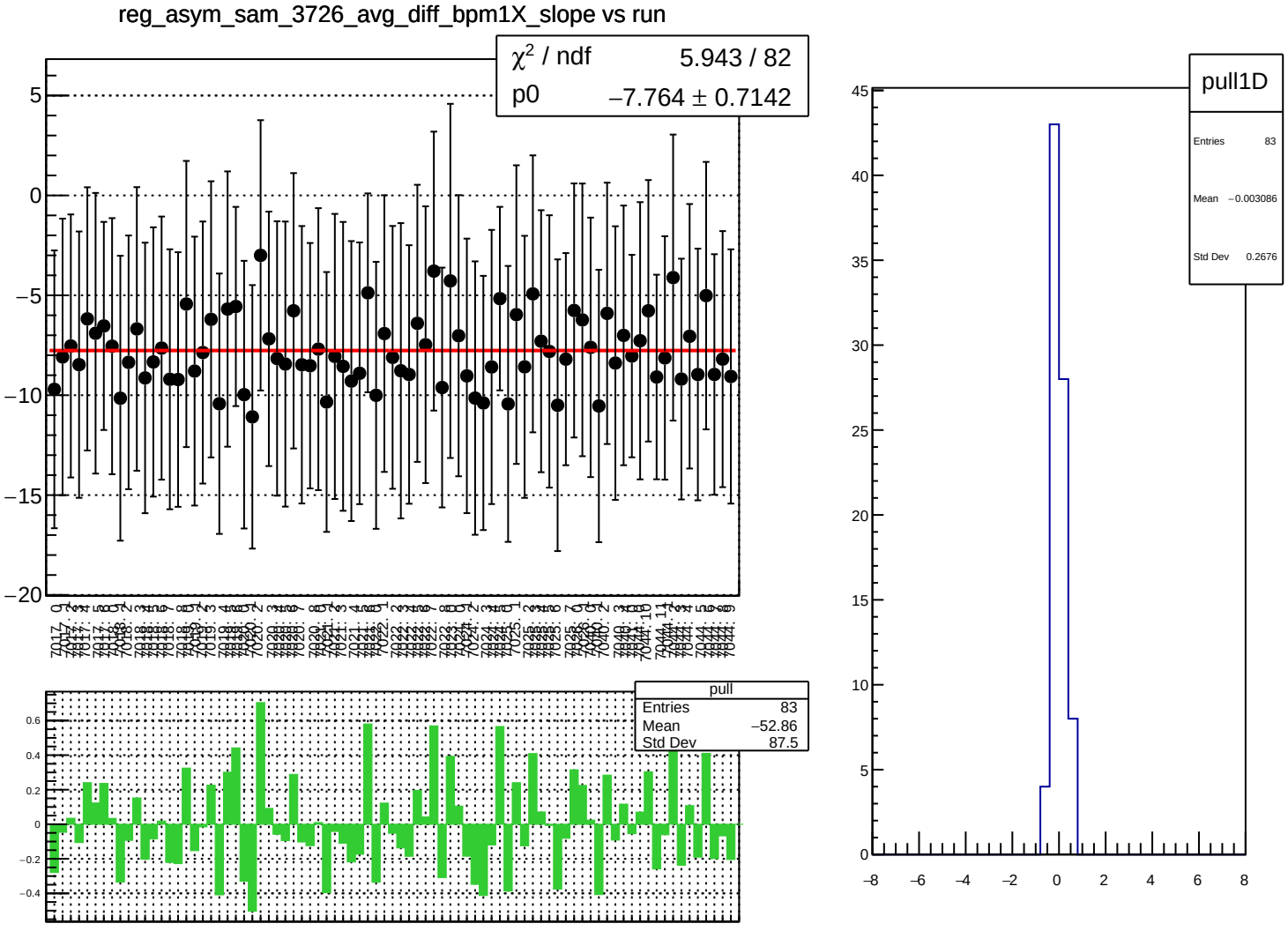

pull1D
Entries 83
Mean −0.009507
Std Dev 0.5252

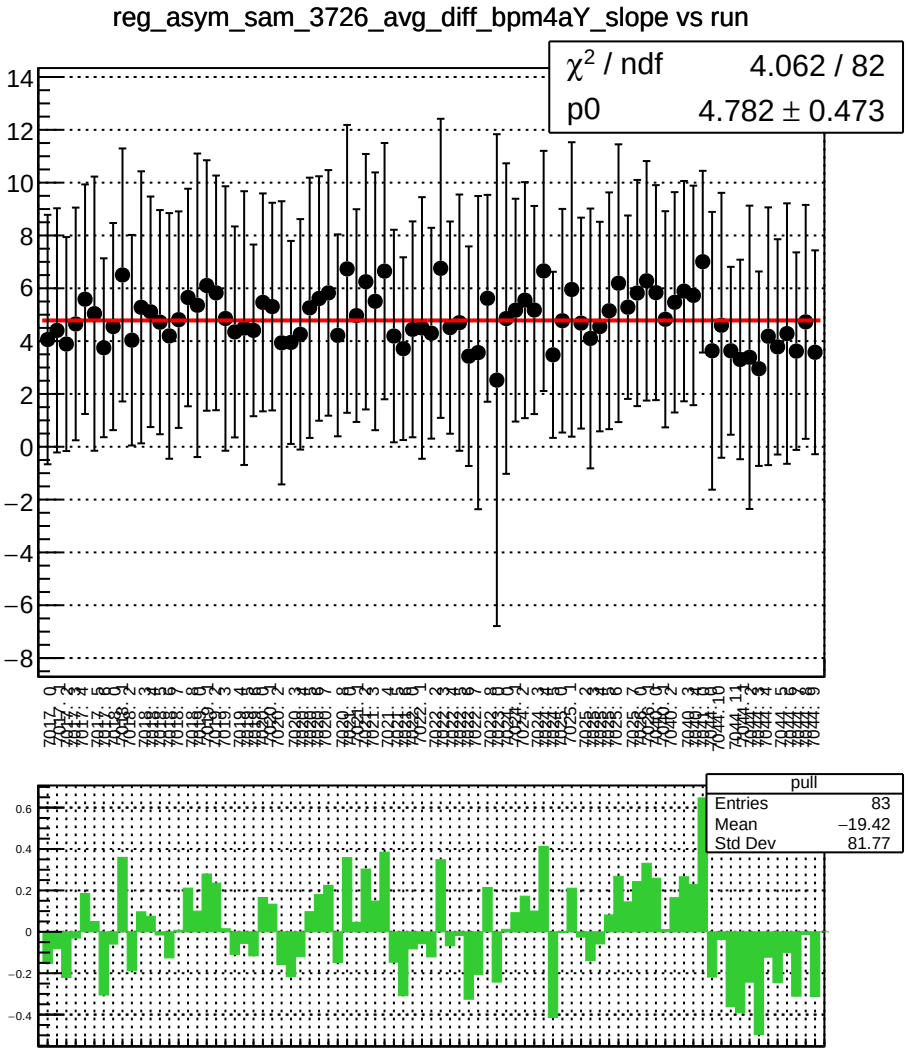

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.93 / 82
p0 5.312 ± 0.2429
pull
Entries 83
Mean 185.6
Std Dev 142

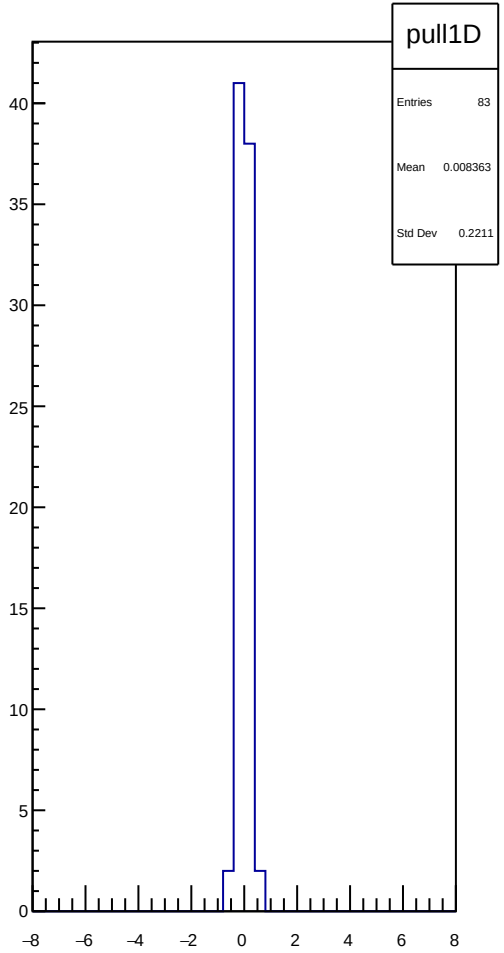

pull1D
Entries 83
Mean −0.03199
Std Dev 0.6572

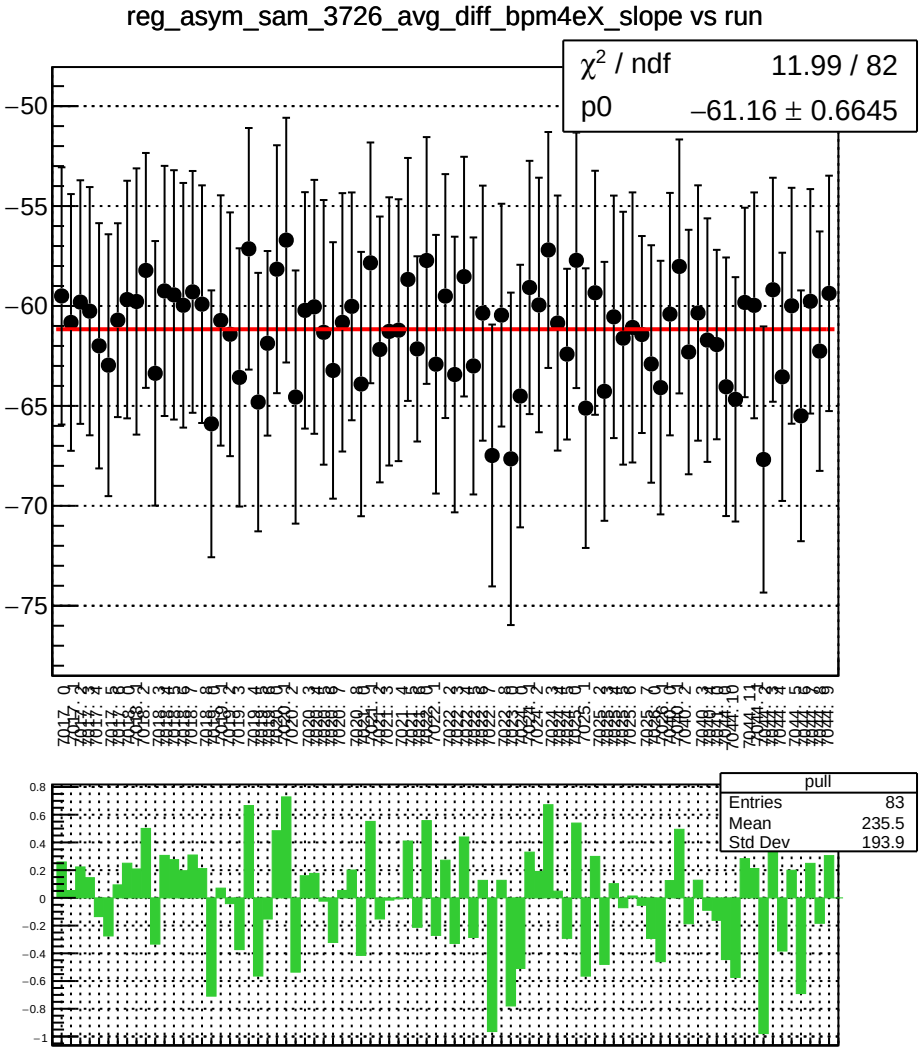

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7 / 82
p0 0.3628 ± 0.01144
pull
Entries 83
Mean 178.1
Std Dev 123.3

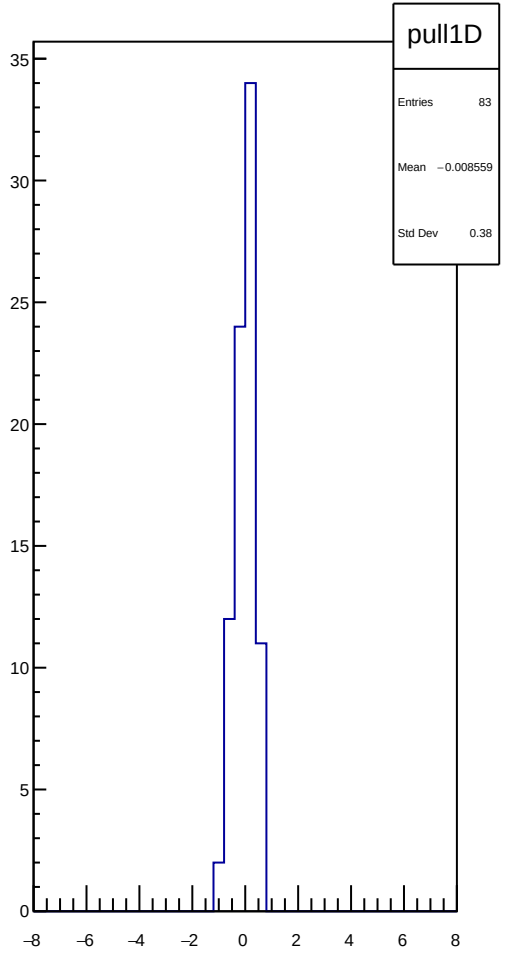

pull1D
Entries 83
Mean 0.009922
Std Dev 0.2902

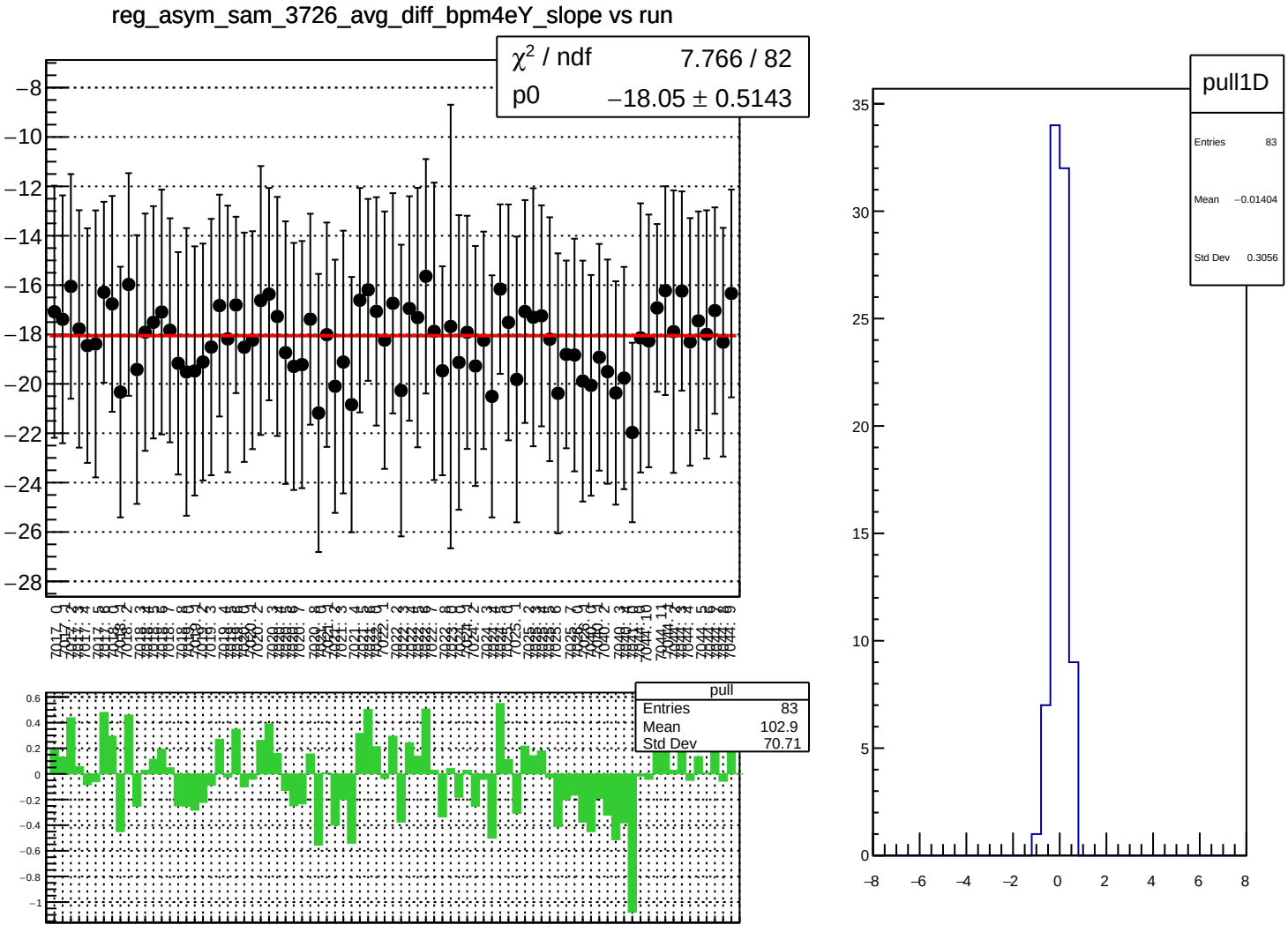

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 5.943 / 82
p0 −7.764 ± 0.7142
pull
Entries 83
Mean −52.86
Std Dev 87.5
pull1D
Entries 83
Mean −0.003086
Std Dev 0.2676

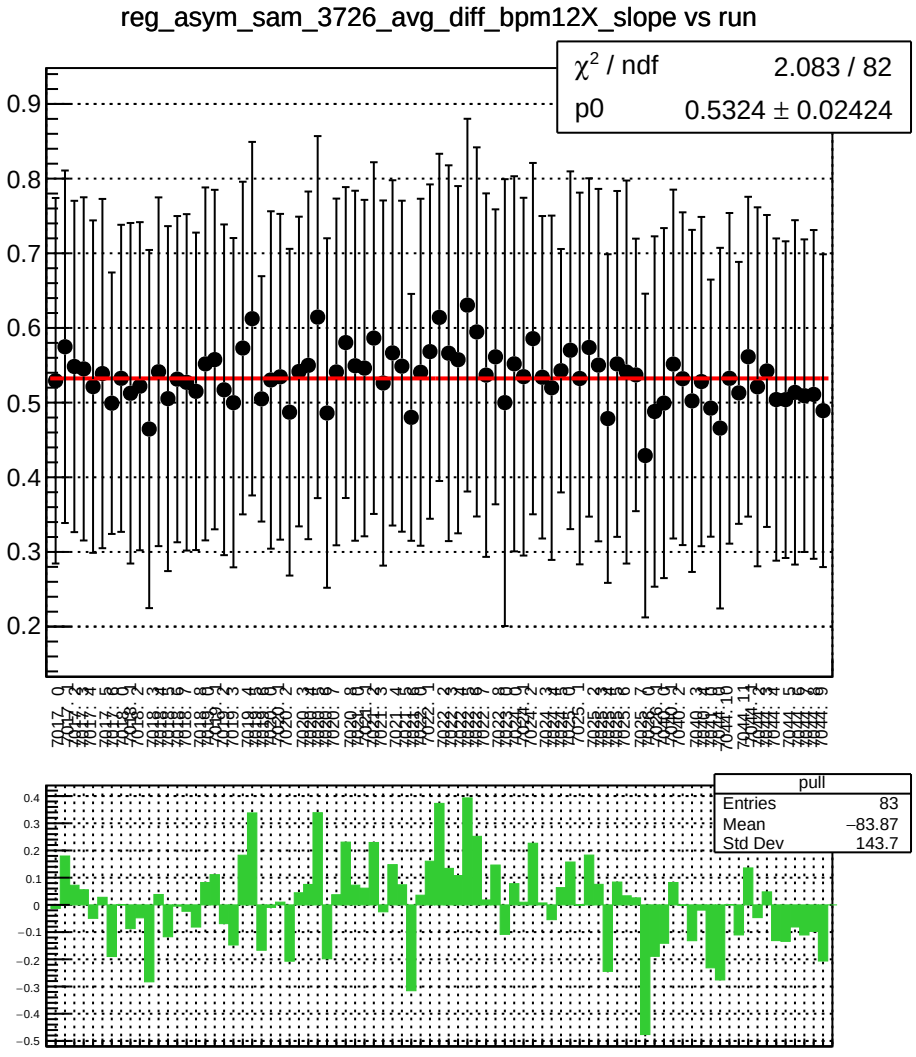

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.062 / 82
p0 4.782 ± 0.473
pull
Entries 83
Mean −19.42
Std Dev 81.77

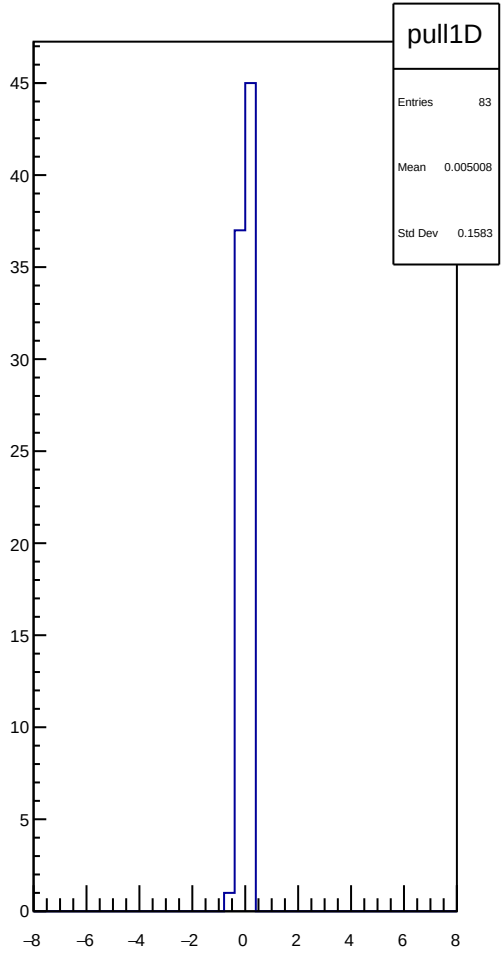

pull1D
Entries 83
Mean 0.008363
Std Dev 0.2211

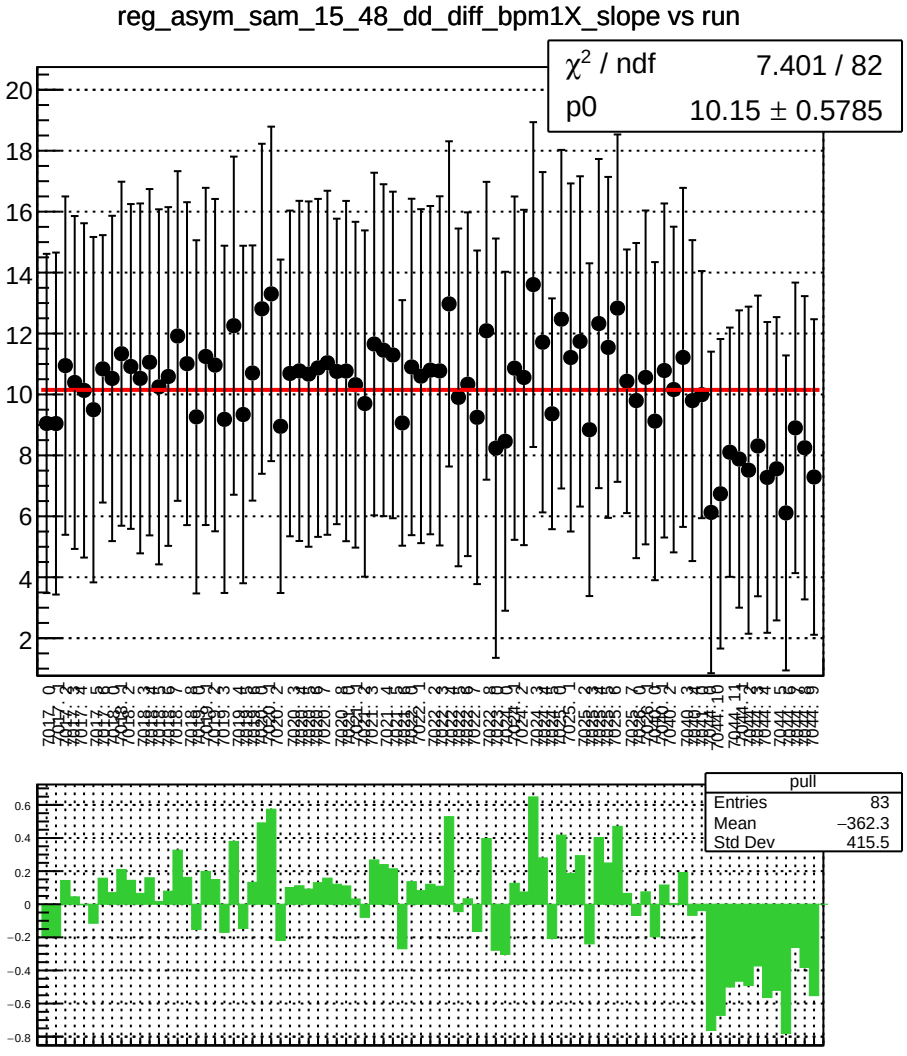

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.99 / 82
p0 −61.16 ± 0.6645
pull
Entries 83
Mean 235.5
Std Dev 193.9

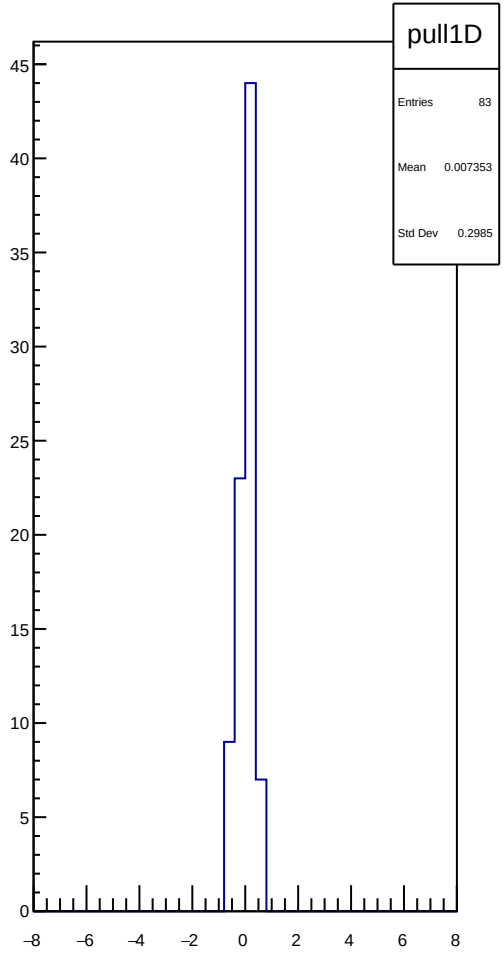

pull1D
Entries 83
Mean −0.008559
Std Dev 0.38

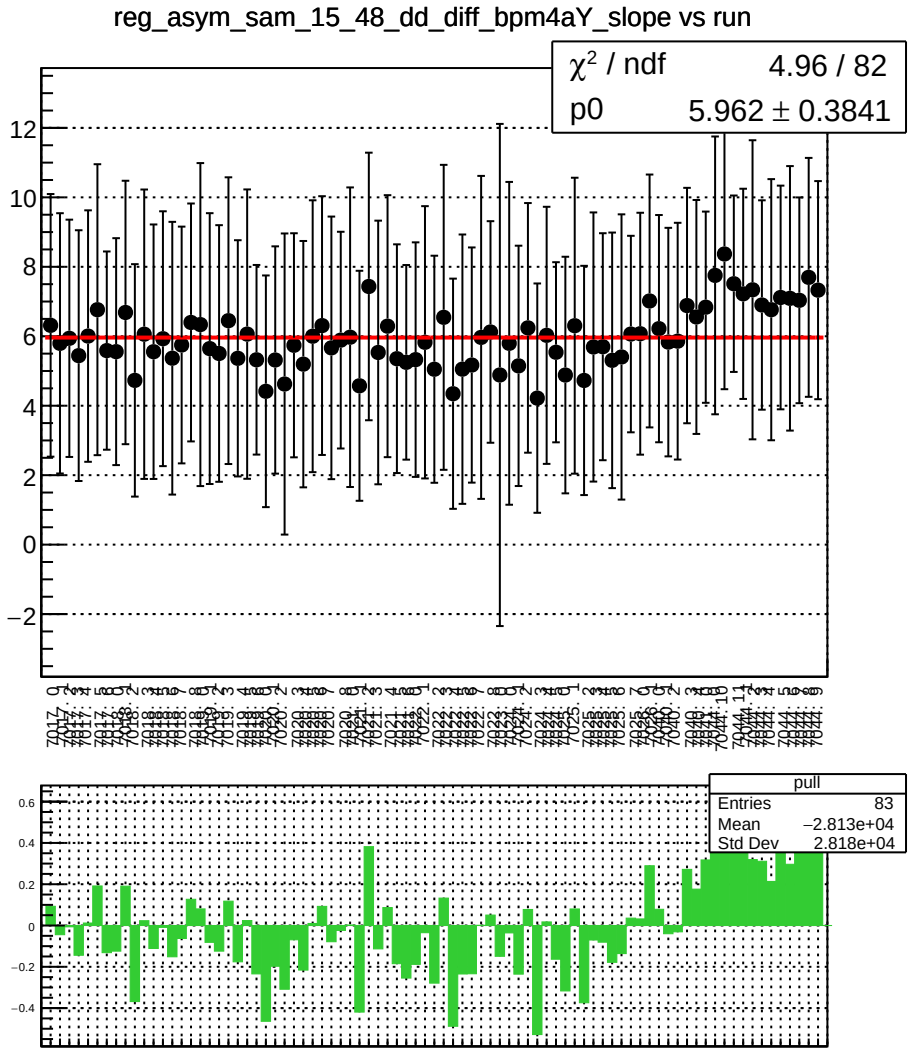

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.766 / 82
p0 −18.05 ± 0.5143
pull
Entries 83
Mean 102.9
Std Dev 70.71
pull1D
Entries 83
Mean −0.01404
Std Dev 0.3056

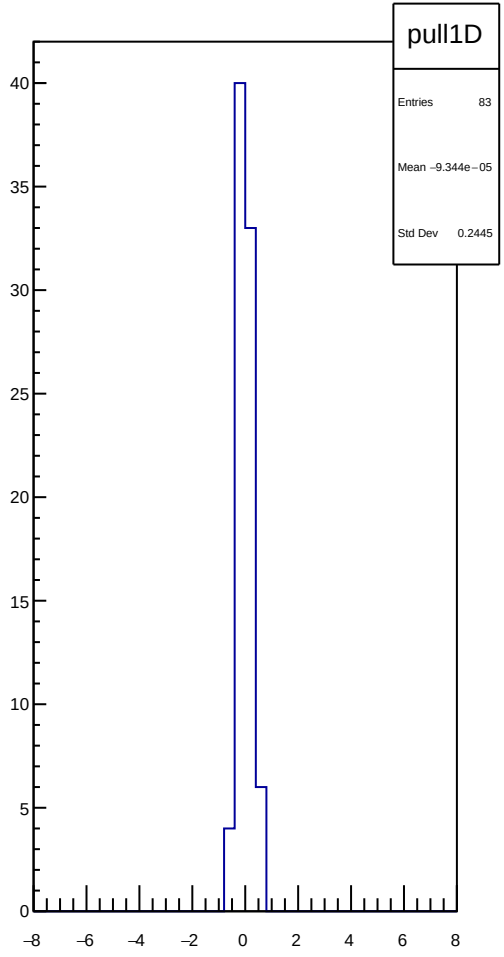

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.083 / 82
p0 0.5324 ± 0.02424
pull
Entries 83
Mean −83.87
Std Dev 143.7

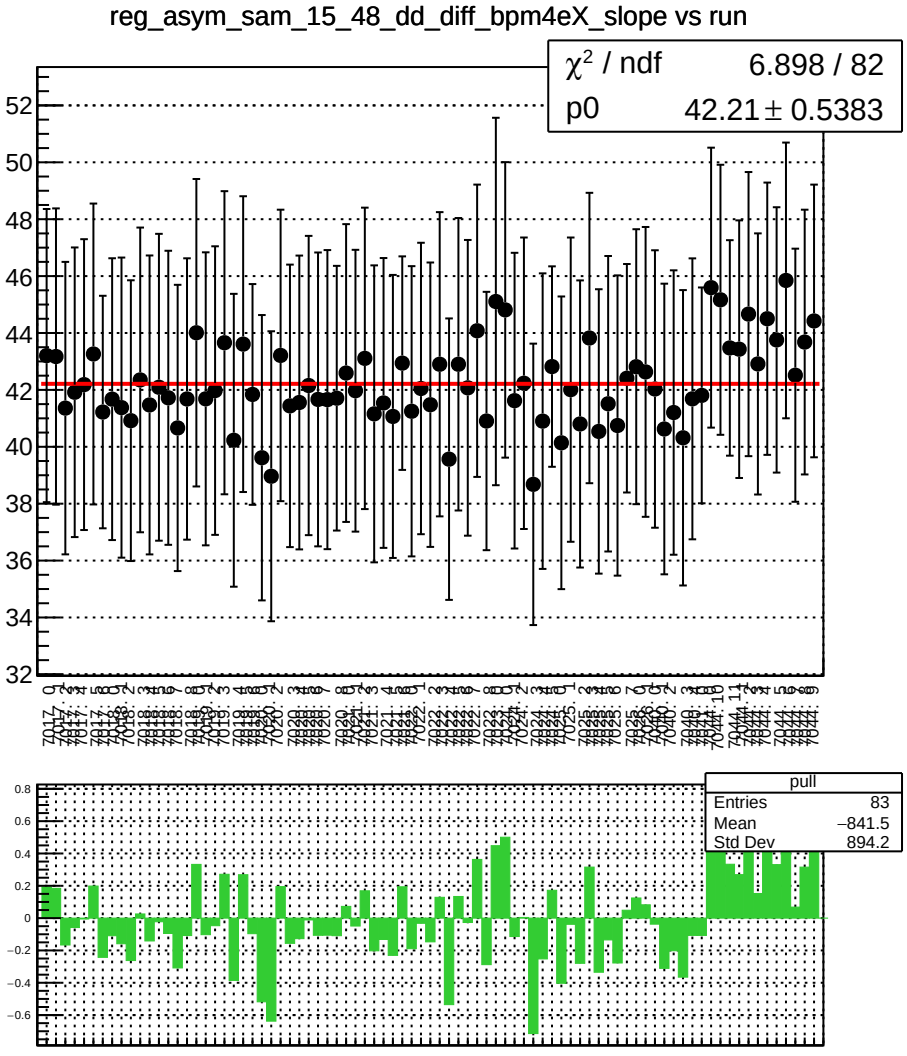

pull1D
Entries 83
Mean 0.005008
Std Dev 0.1583

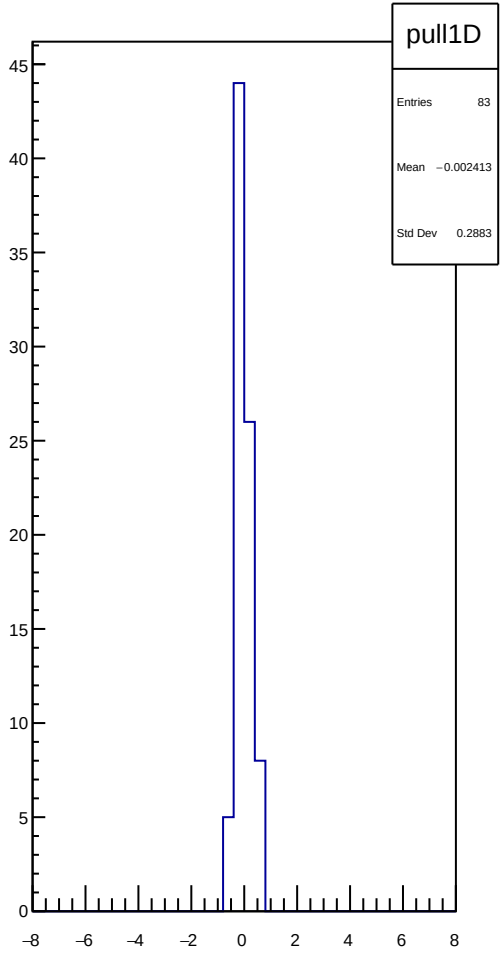

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.401 / 82
p0 10.15 ± 0.5785
pull
Entries 83
Mean −362.3
Std Dev 415.5

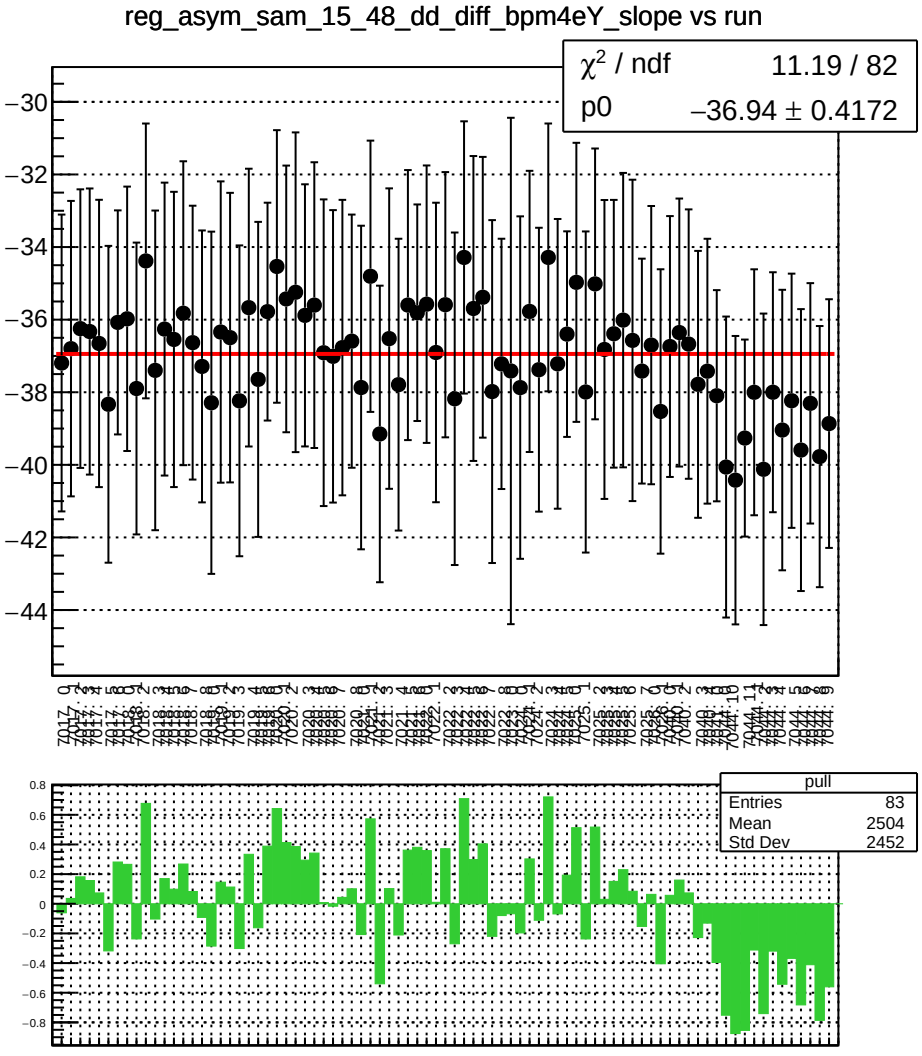

pull1D
Entries 83
Mean 0.007353
Std Dev 0.2985

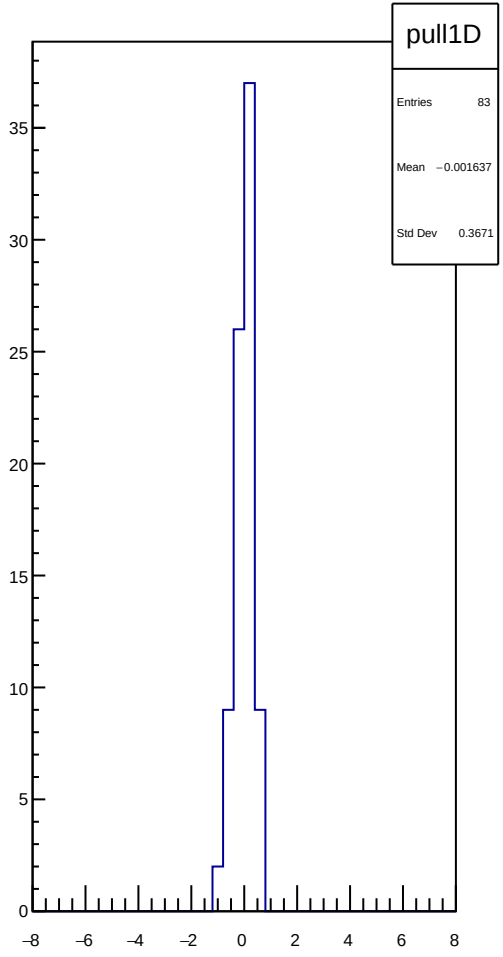

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.96 / 82
p0 5.962 ± 0.3841
pull
Entries 83
Mean −2.813e+04
Std Dev 2.818e+04

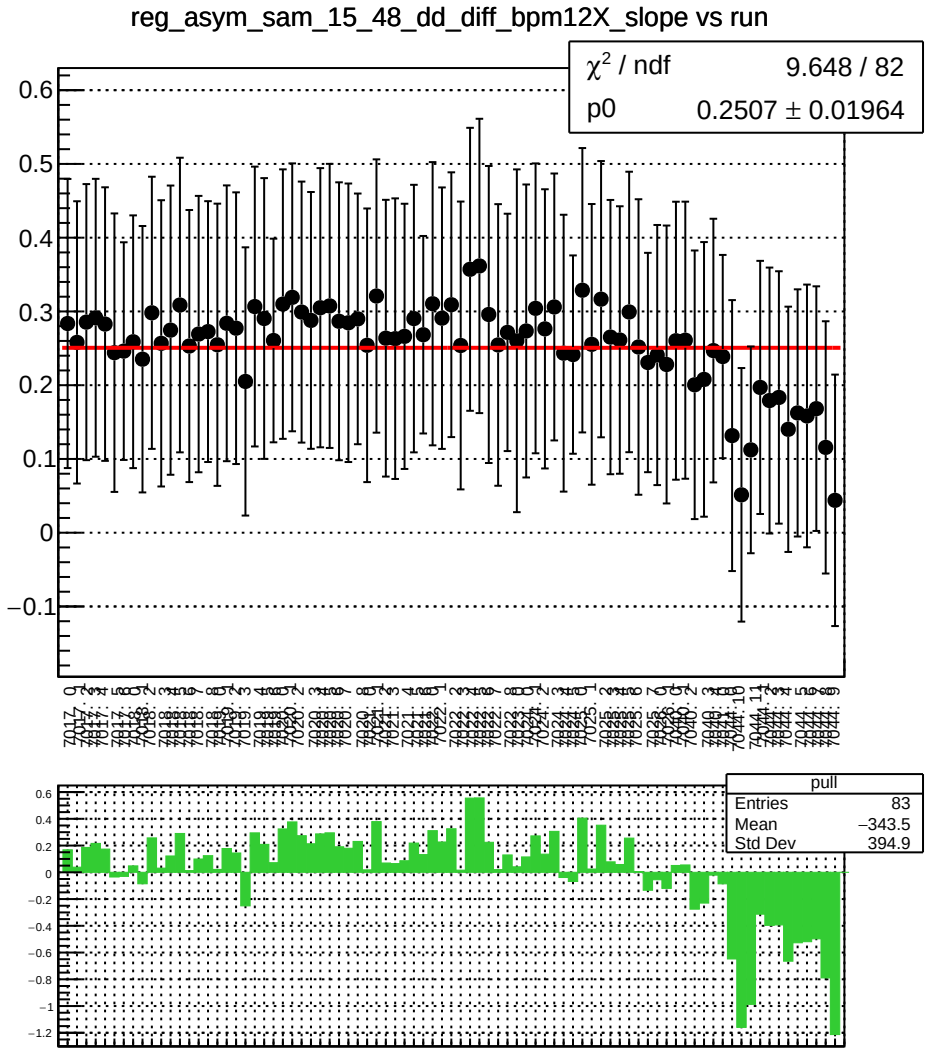

pull1D
Entries 83
Mean −9.344e−05
Std Dev 0.2445

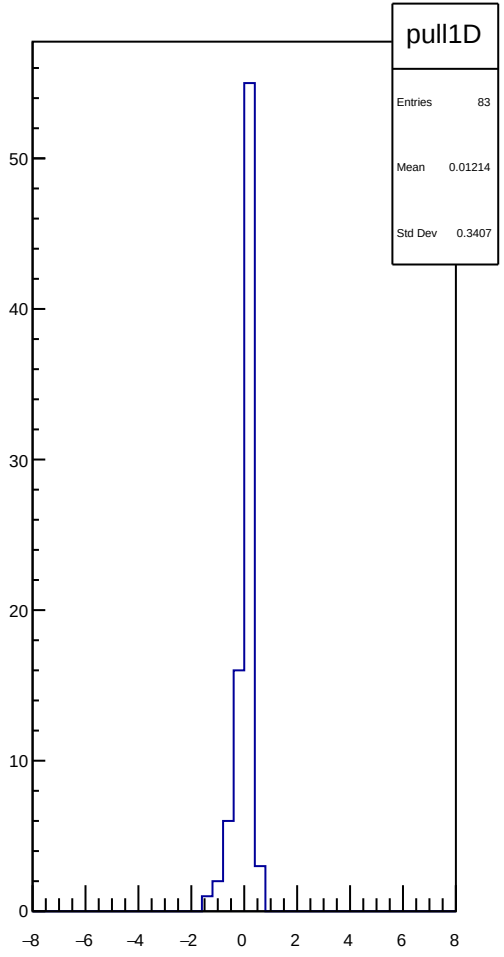

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.898 / 82
p0 42.21 ± 0.5383
pull
Entries 83
Mean −841.5
Std Dev 894.2

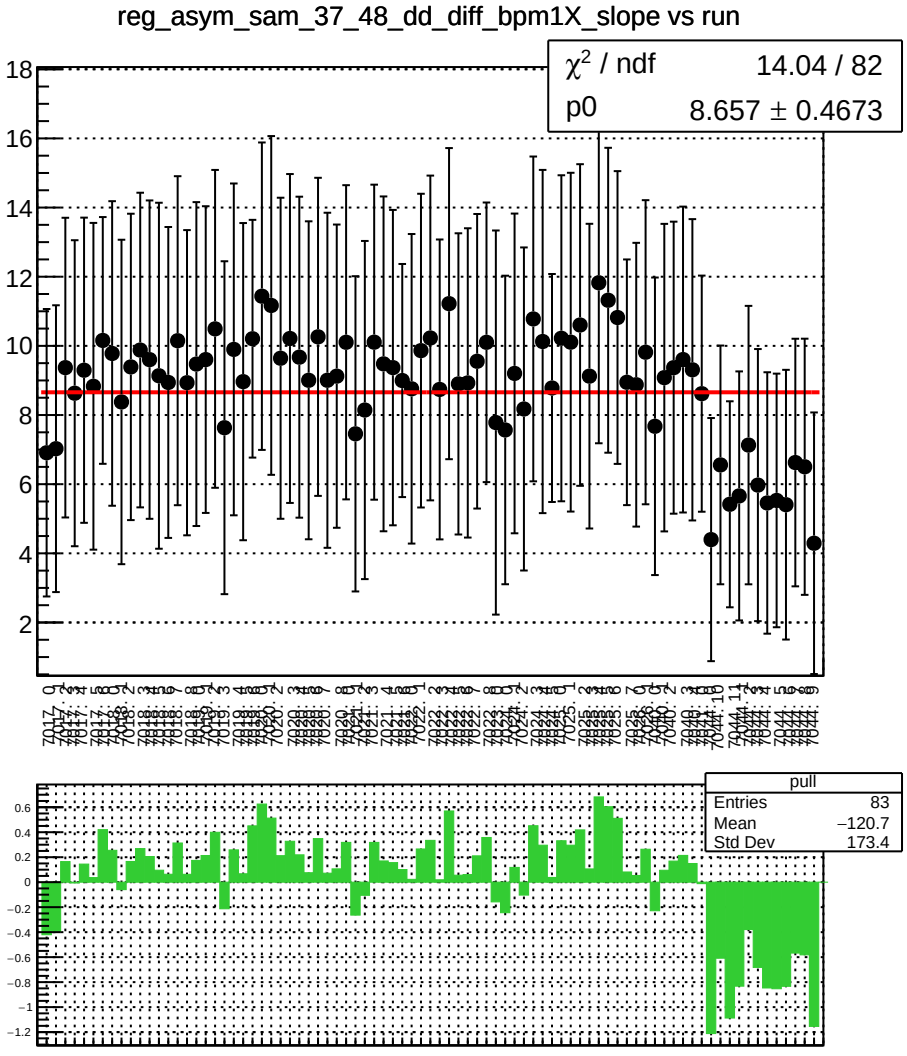

pull1D
Entries 83
Mean −0.002413
Std Dev 0.2883

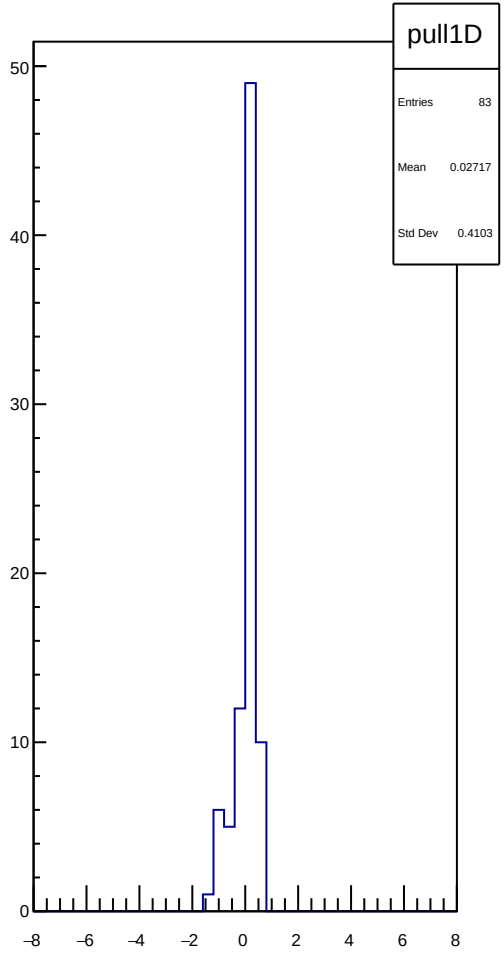

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.19 / 82
p0 −36.94 ± 0.4172
pull
Entries 83
Mean 2504
Std Dev 2452

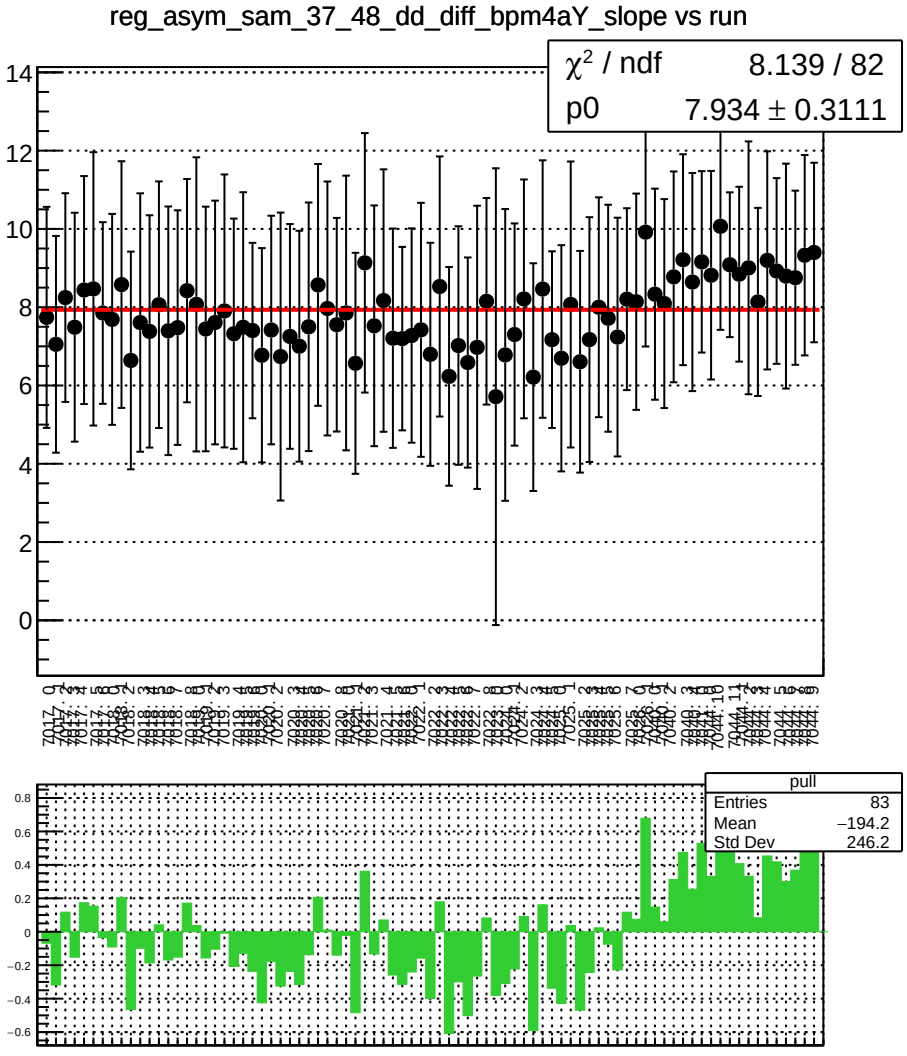

pull1D
Entries 83
Mean −0.001637
Std Dev 0.3671

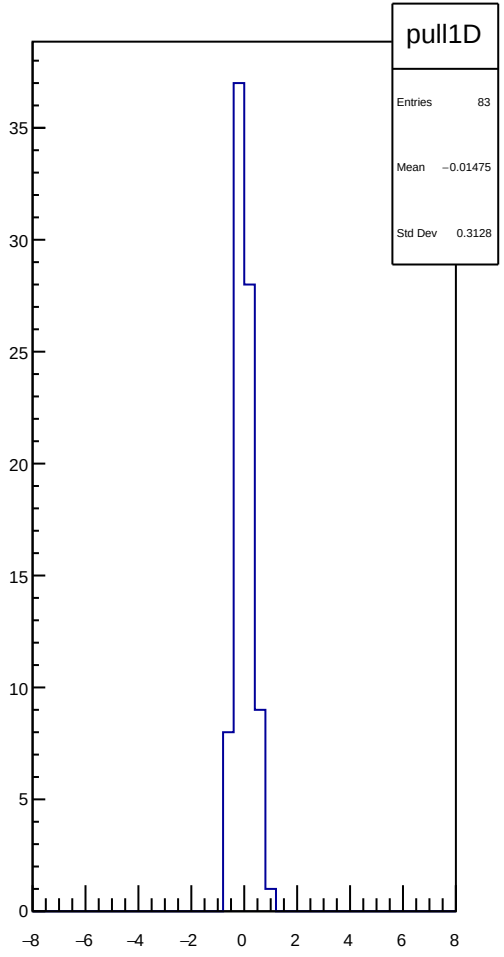

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.648 / 82
p0 0.2507 ± 0.01964
pull
Entries 83
Mean −343.5
Std Dev 394.9

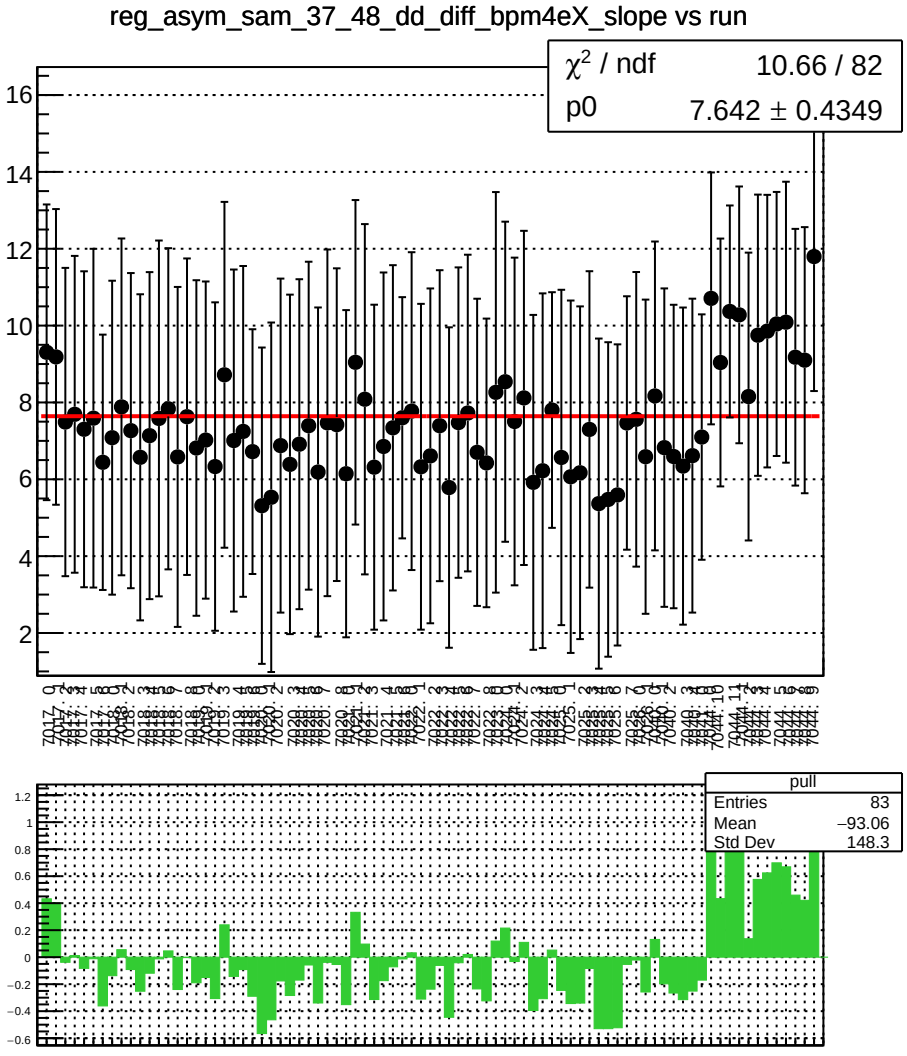

pull1D
Entries 83
Mean 0.01214
Std Dev 0.3407

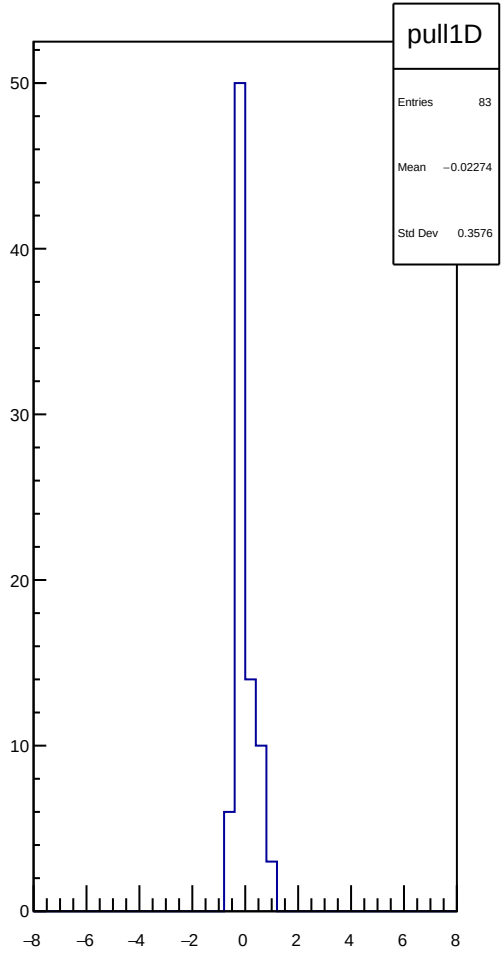

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.04 / 82
p0 8.657 ± 0.4673
pull
Entries 83
Mean −120.7
Std Dev 173.4

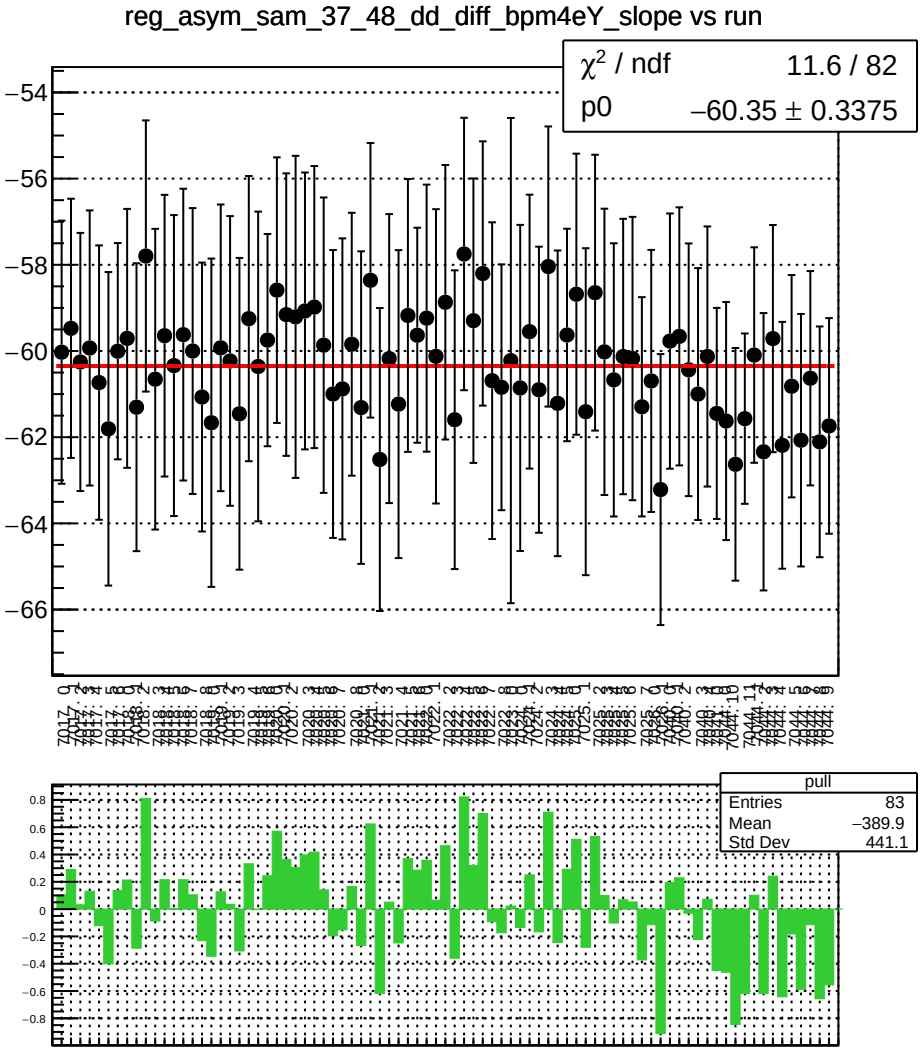

pull1D
Entries 83
Mean 0.02717
Std Dev 0.4103

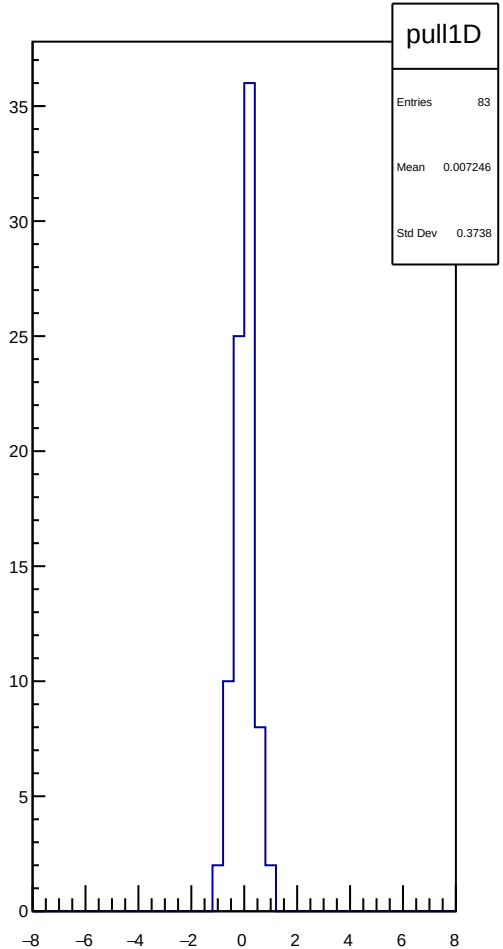

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 8.139 / 82
p0 7.934 ± 0.3111
pull
Entries 83
Mean −194.2
Std Dev 246.2

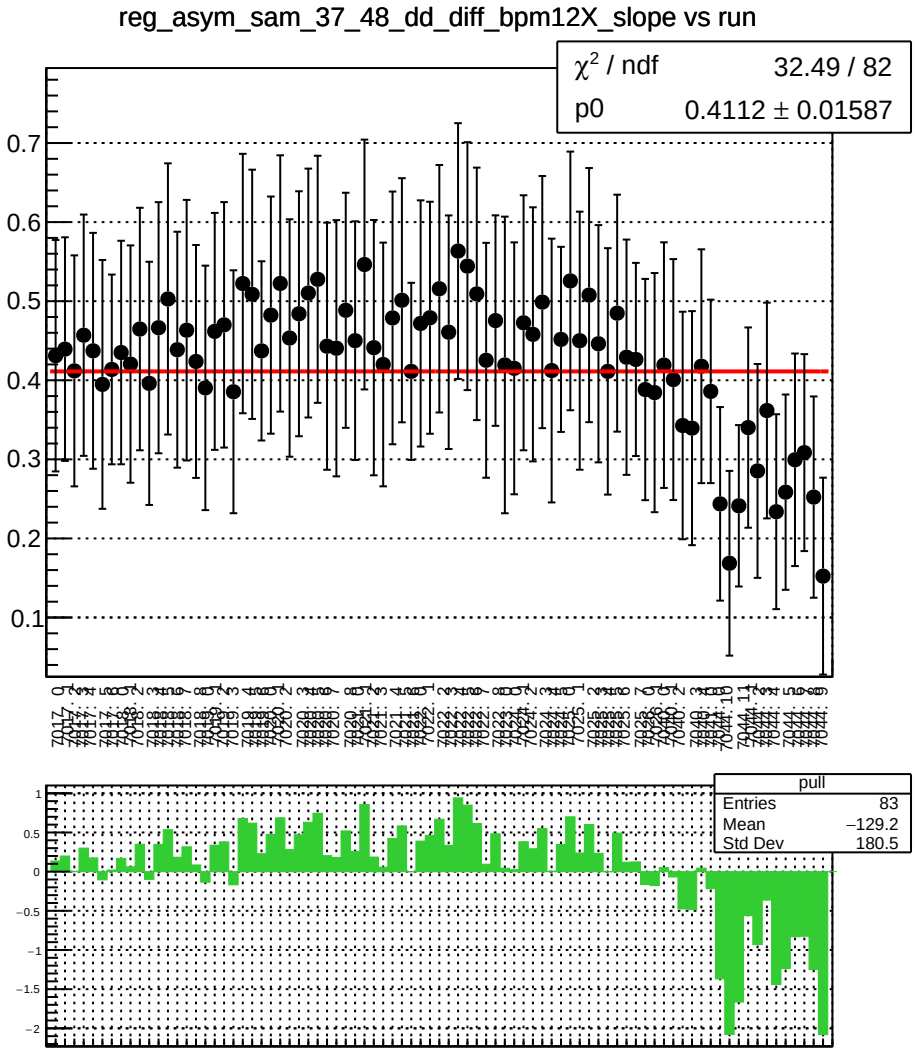

pull1D
Entries 83
Mean −0.01475
Std Dev 0.3128

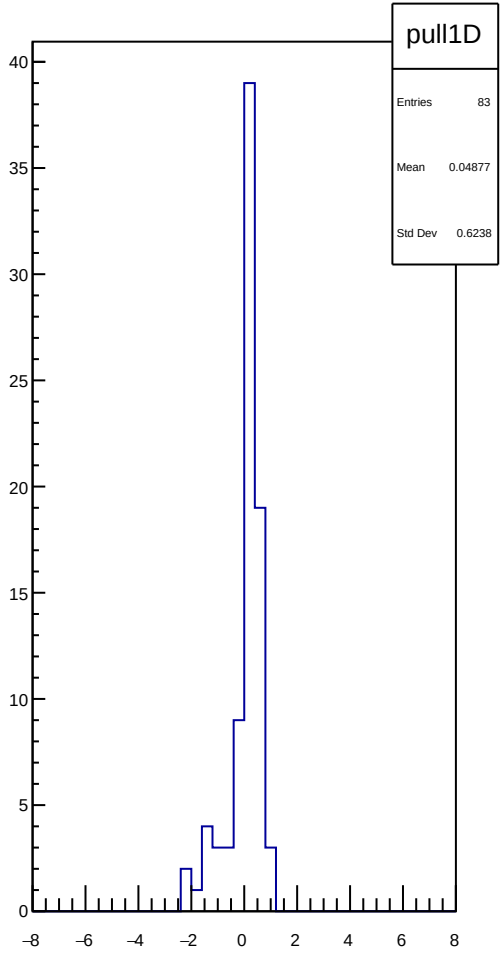

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.66 / 82
p0 7.642 ± 0.4349
pull
Entries 83
Mean −93.06
Std Dev 148.3

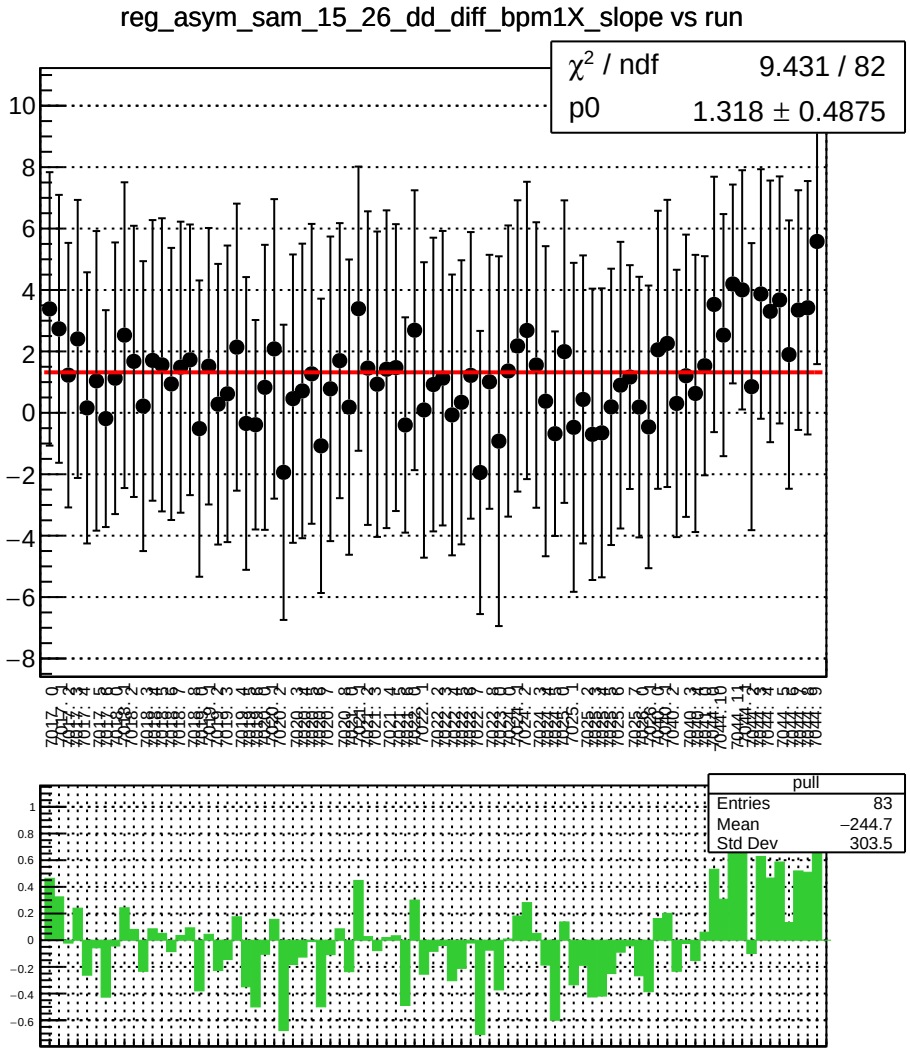

pull1D
Entries 83
Mean −0.02274
Std Dev 0.3576

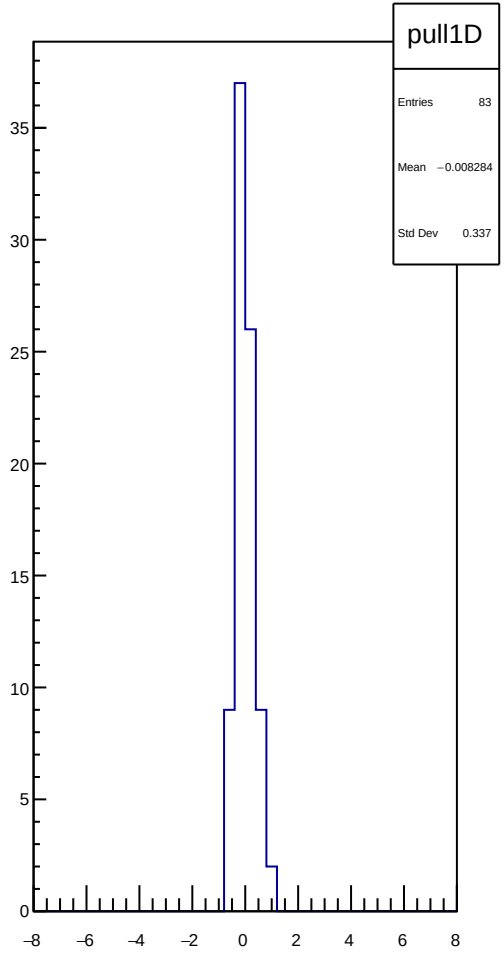

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.6 / 82
p0 −60.35 ± 0.3375
pull
Entries 83
Mean −389.9
Std Dev 441.1

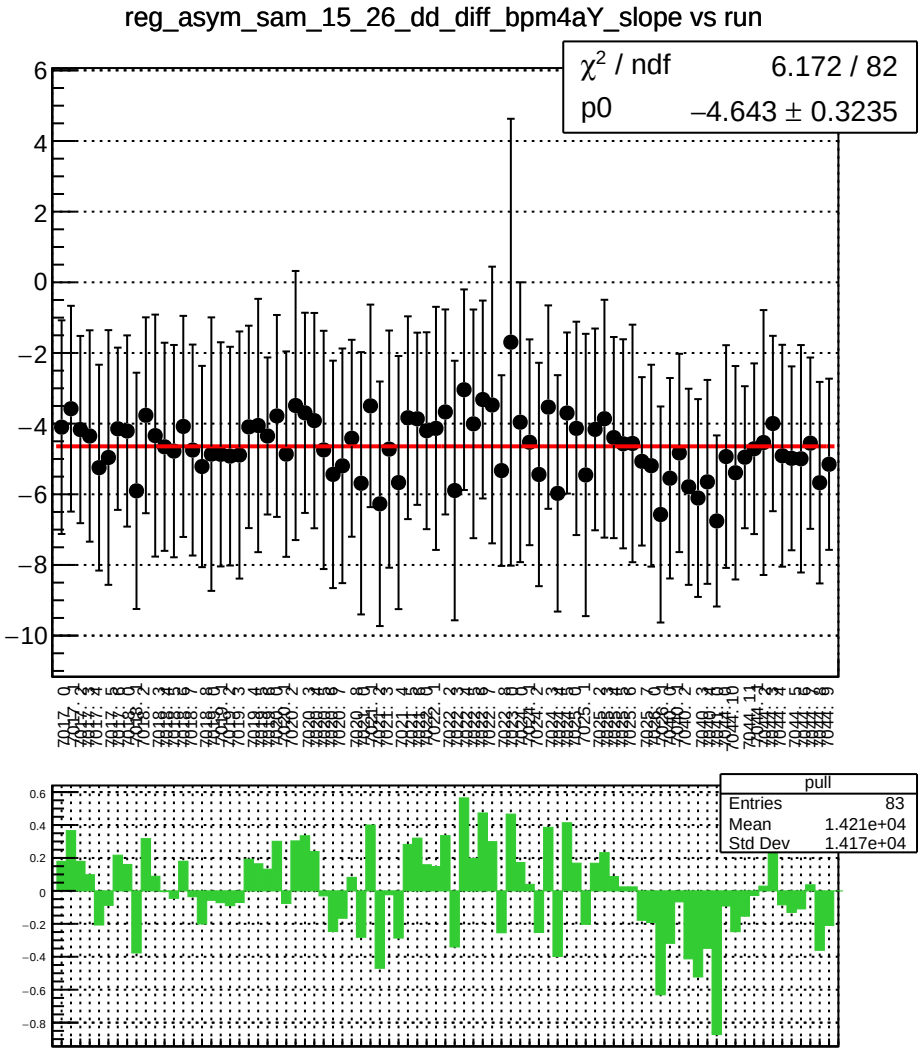

pull1D
Entries 83
Mean 0.007246
Std Dev 0.3738

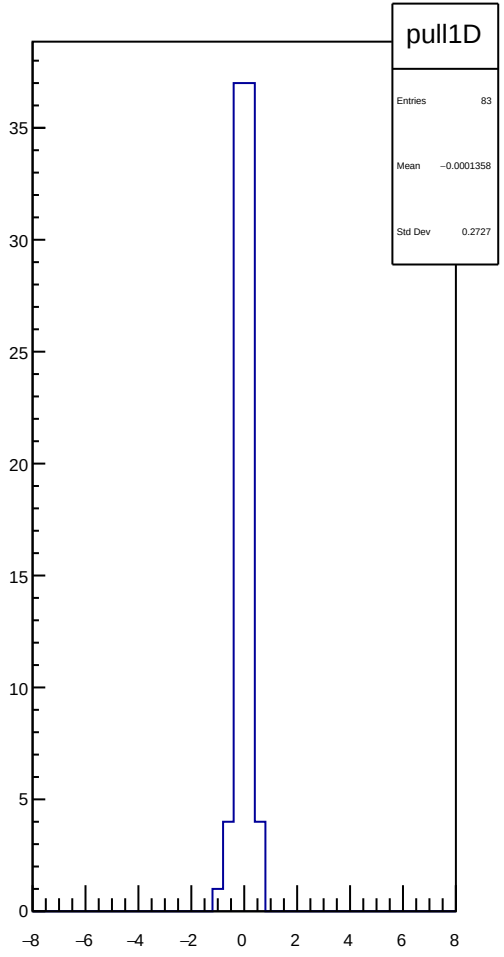

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 32.49 / 82
p0 0.4112 ± 0.01587
pull
Entries 83
Mean −129.2
Std Dev 180.5

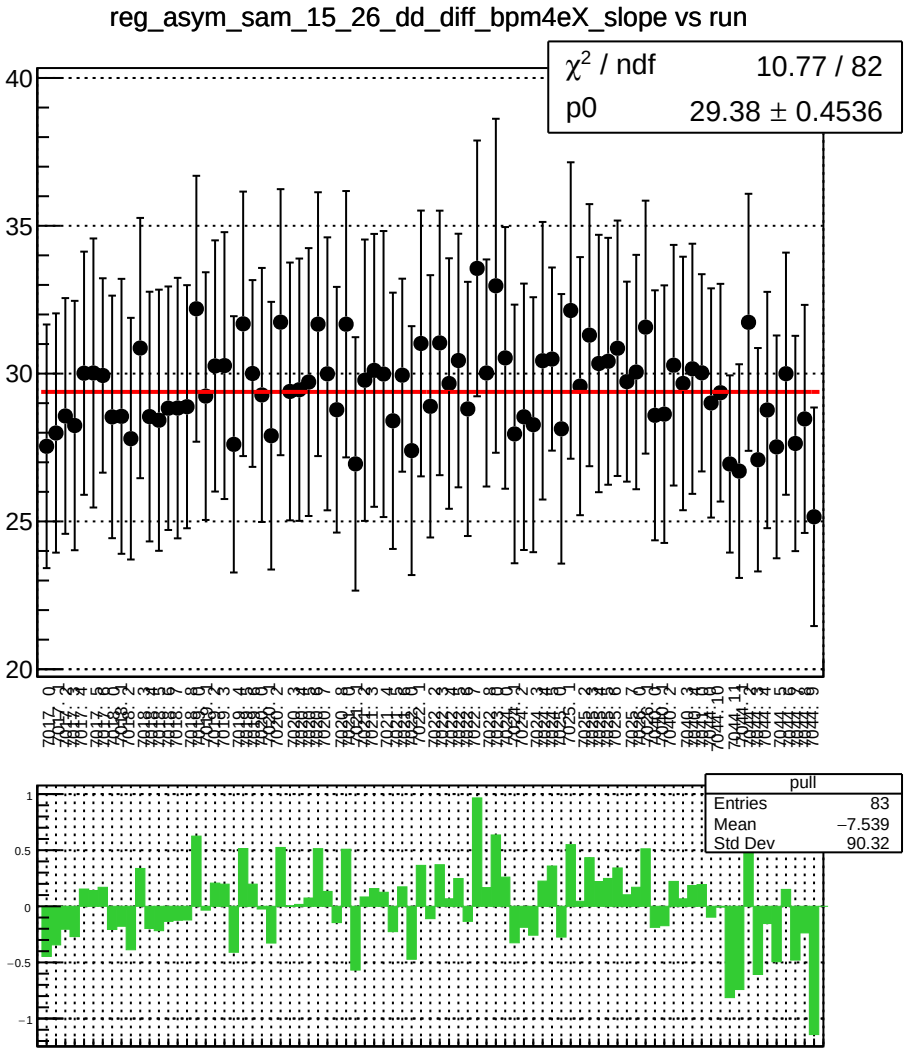

pull1D
Entries 83
Mean 0.04877
Std Dev 0.6238

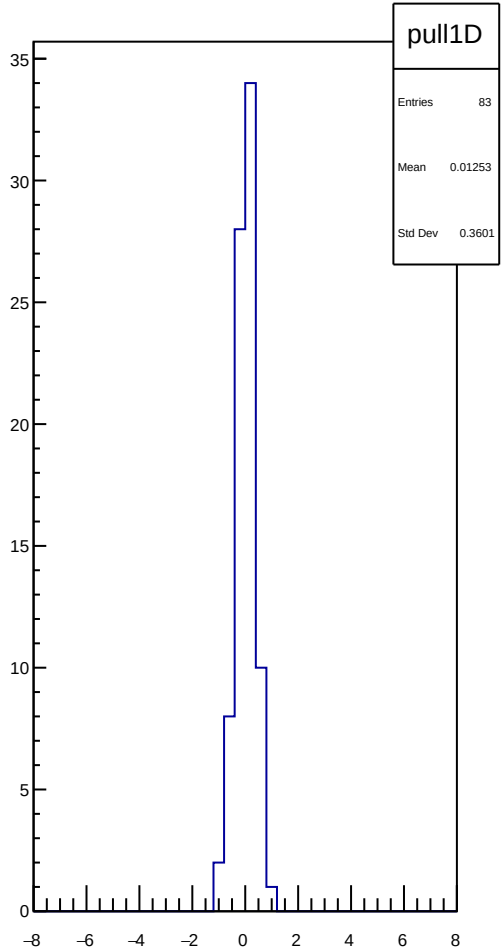

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.431 / 82
p0 1.318 ± 0.4875
pull
Entries 83
Mean −244.7
Std Dev 303.5

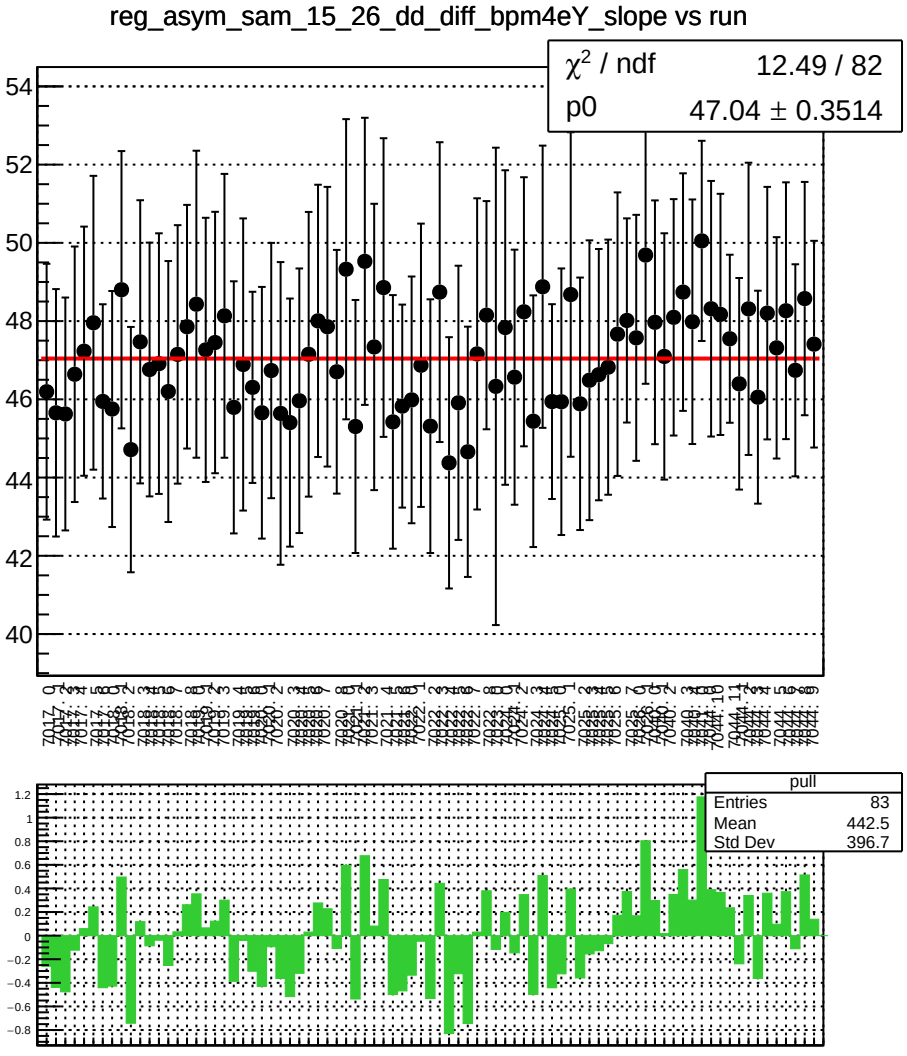

pull1D
Entries 83
Mean −0.008284
Std Dev 0.337

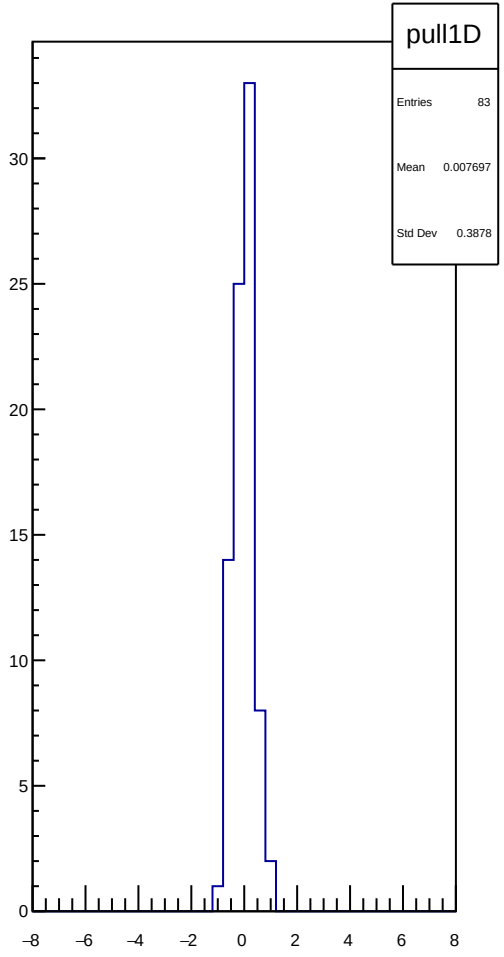

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.172 / 82
p0 −4.643 ± 0.3235
pull
Entries 83
Mean 1.421e+04
Std Dev 1.417e+04

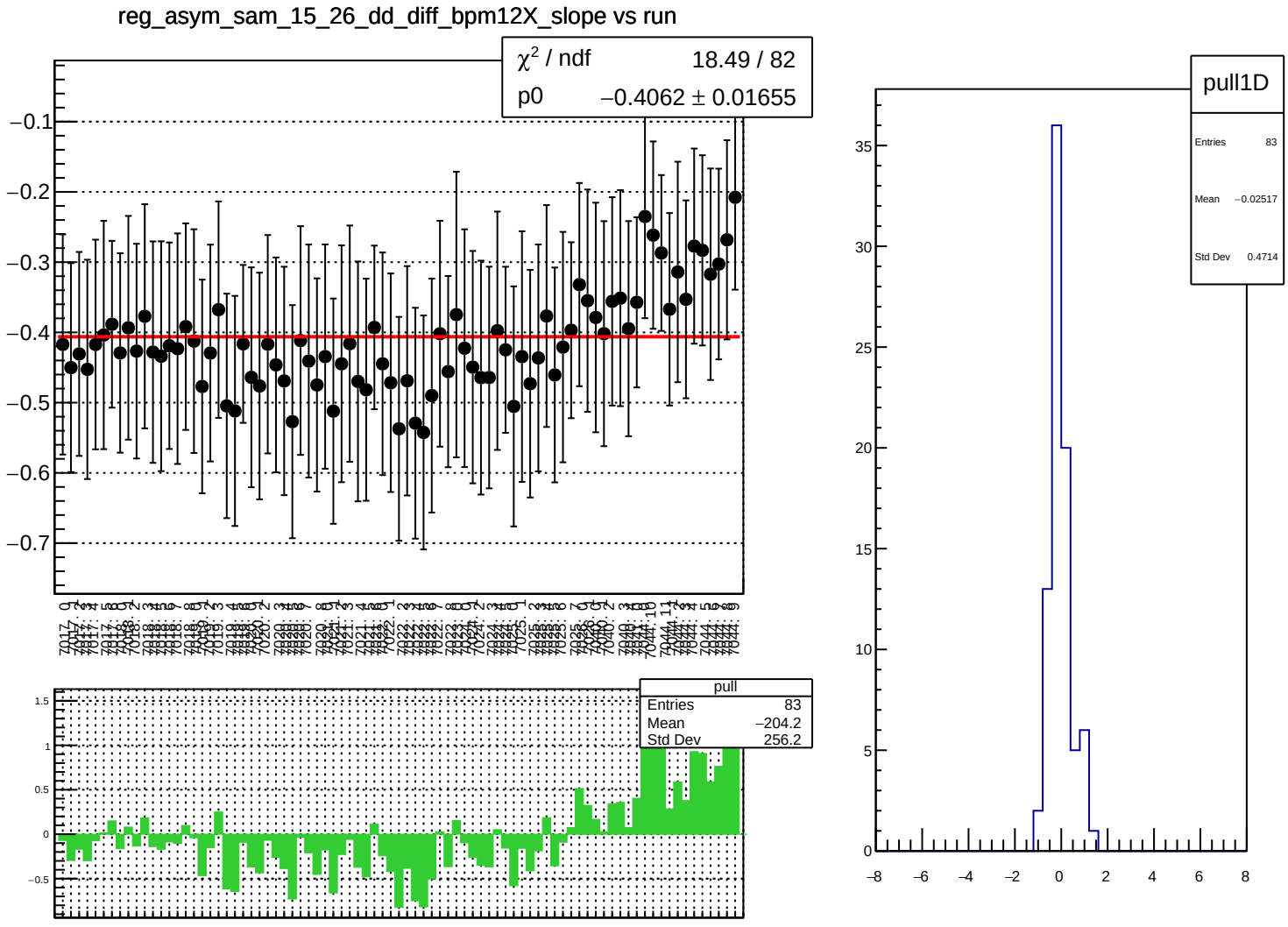

pull1D
Entries 83
Mean −0.0001358
Std Dev 0.2727

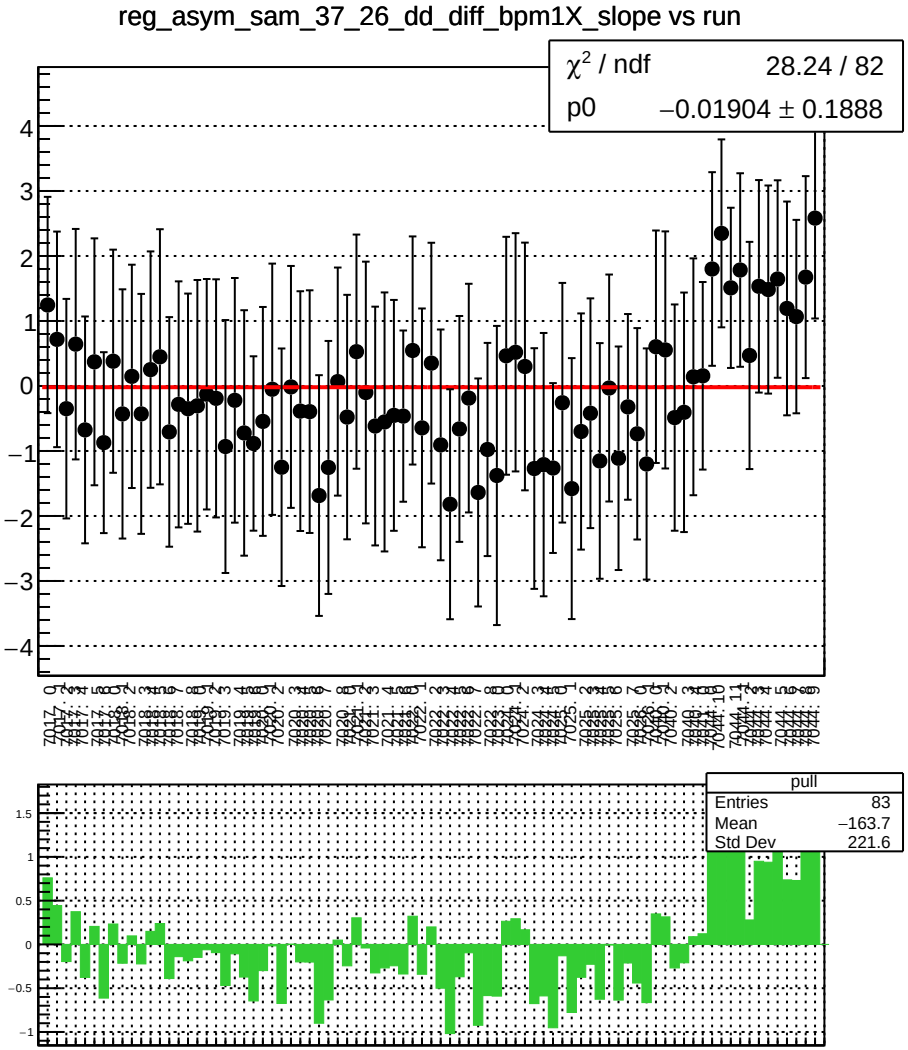

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.77 / 82
p0 29.38 ± 0.4536
pull
Entries 83
Mean −7.539
Std Dev 90.32

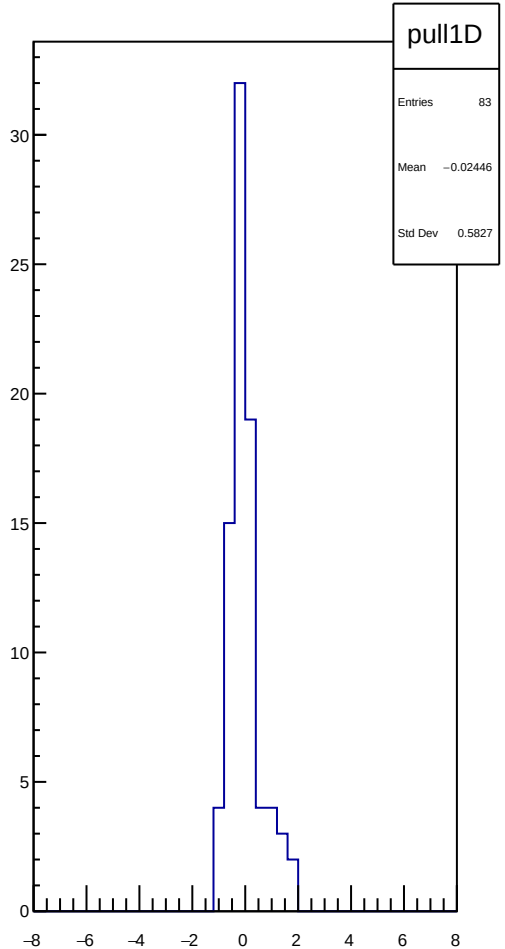

pull1D
Entries 83
Mean 0.01253
Std Dev 0.3601

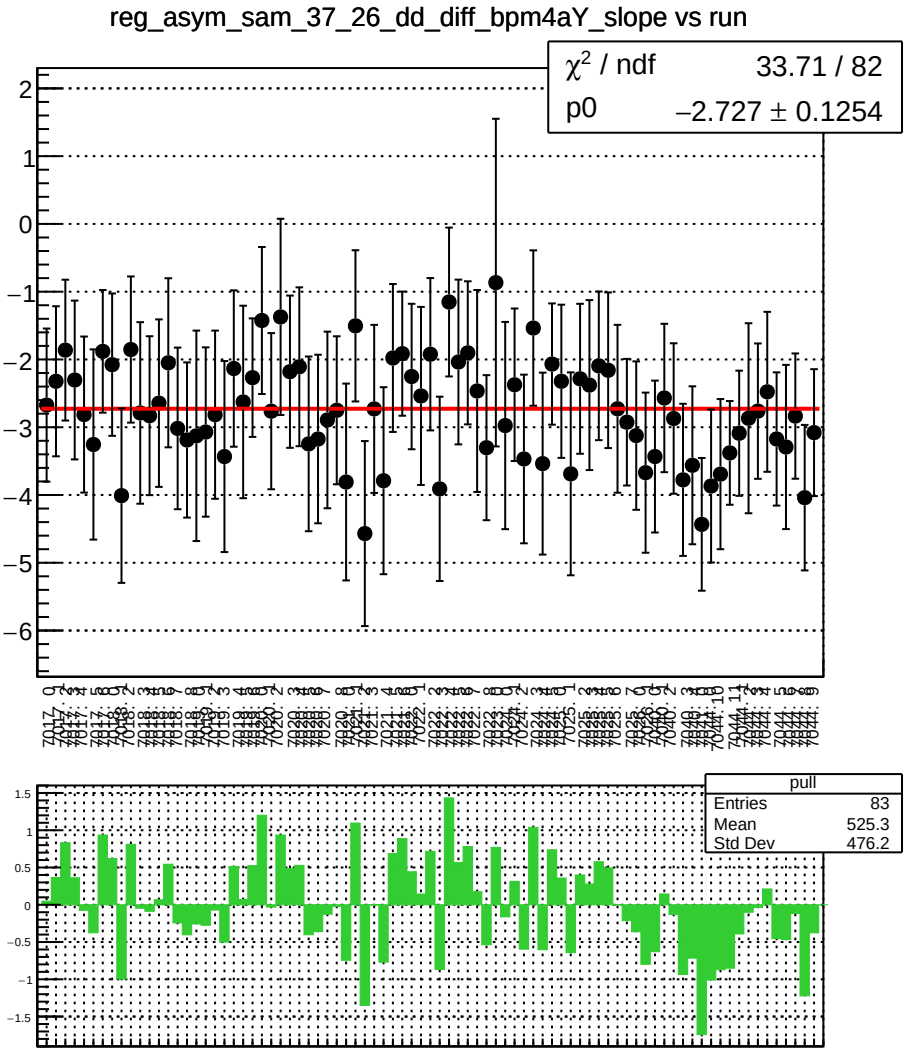

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.49 / 82
p0 47.04 ± 0.3514
pull
Entries 83
Mean 442.5
Std Dev 396.7

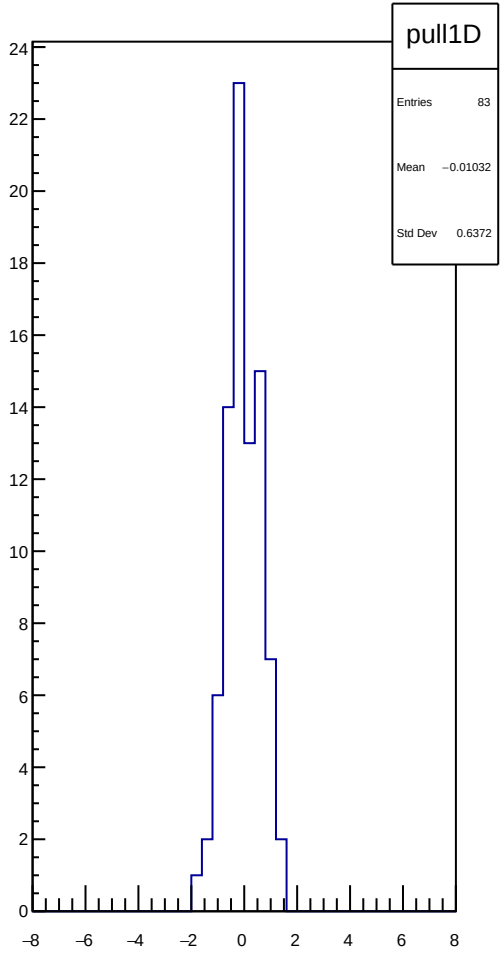

pull1D
Entries 83
Mean 0.007697
Std Dev 0.3878

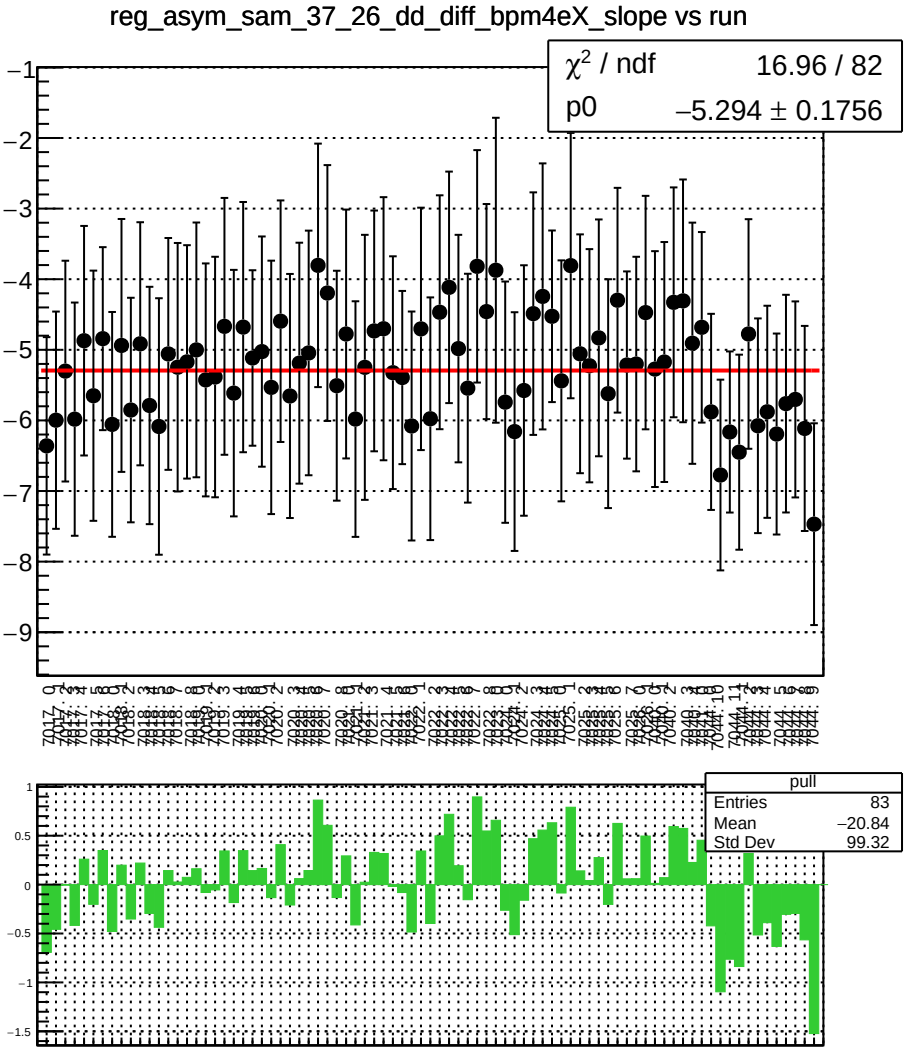

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 18.49 / 82
p0 −0.4062 ± 0.01655
pull
Entries 83
Mean −204.2
Std Dev 256.2
pull1D
Entries 83
Mean −0.02517
Std Dev 0.4714

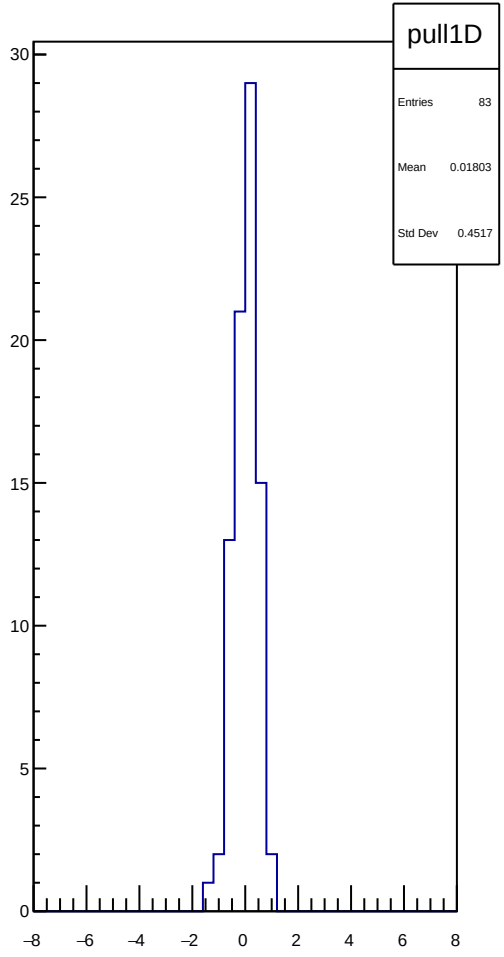

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 28.24 / 82
p0 −0.01904 ± 0.1888
pull
Entries 83
Mean −163.7
Std Dev 221.6

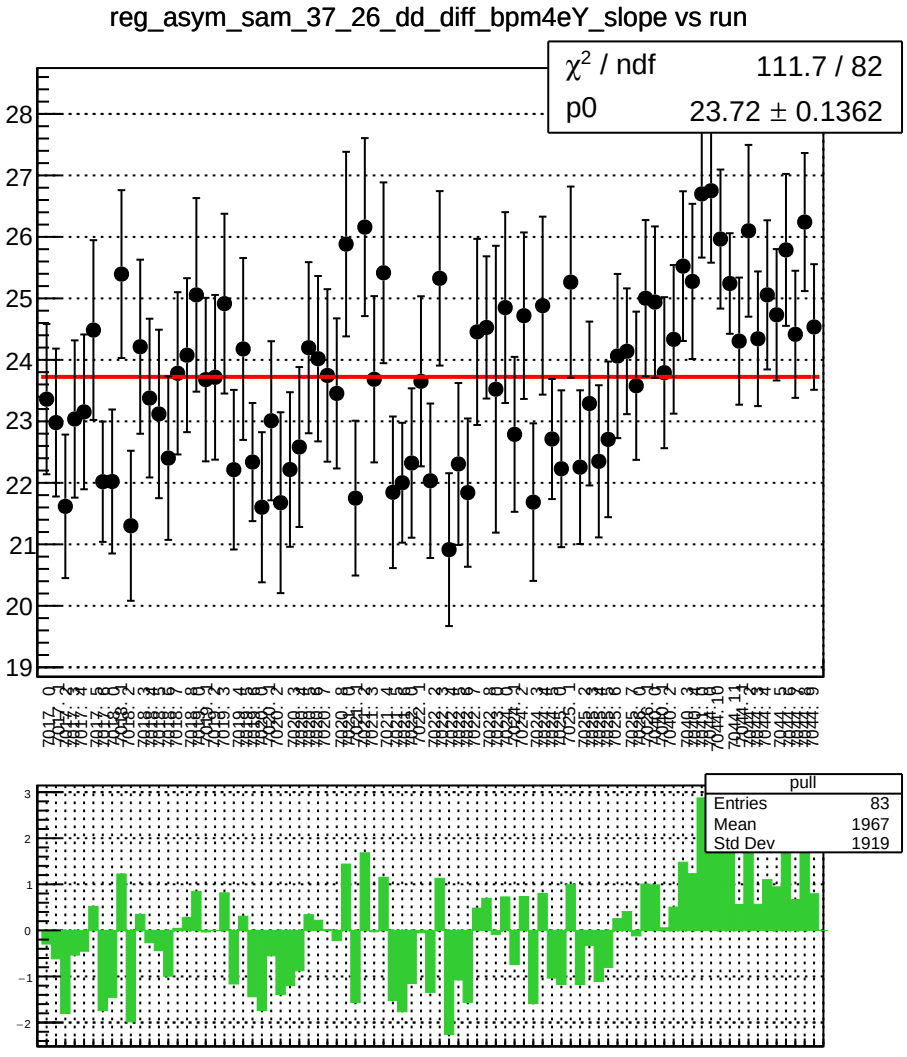

pull1D
Entries 83
Mean −0.02446
Std Dev 0.5827

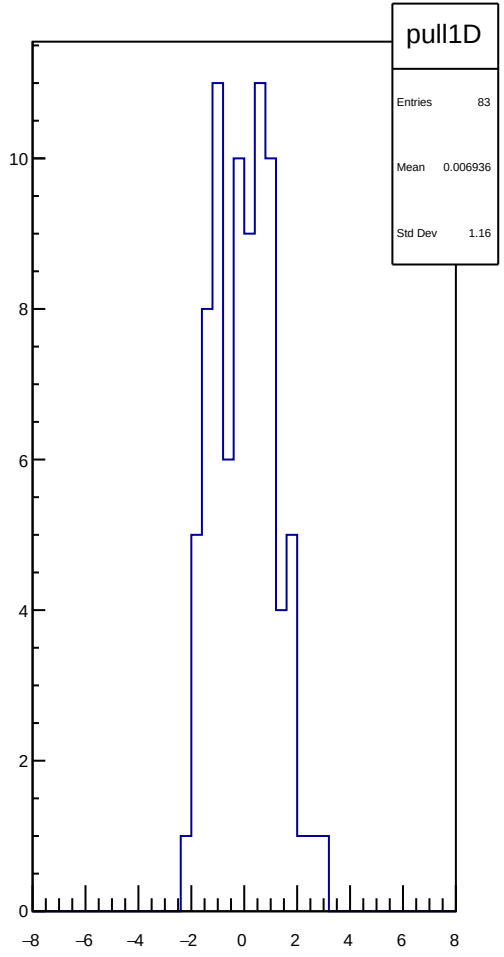

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.71 / 82
p0 −2.727 ± 0.1254
pull
Entries 83
Mean 525.3
Std Dev 476.2

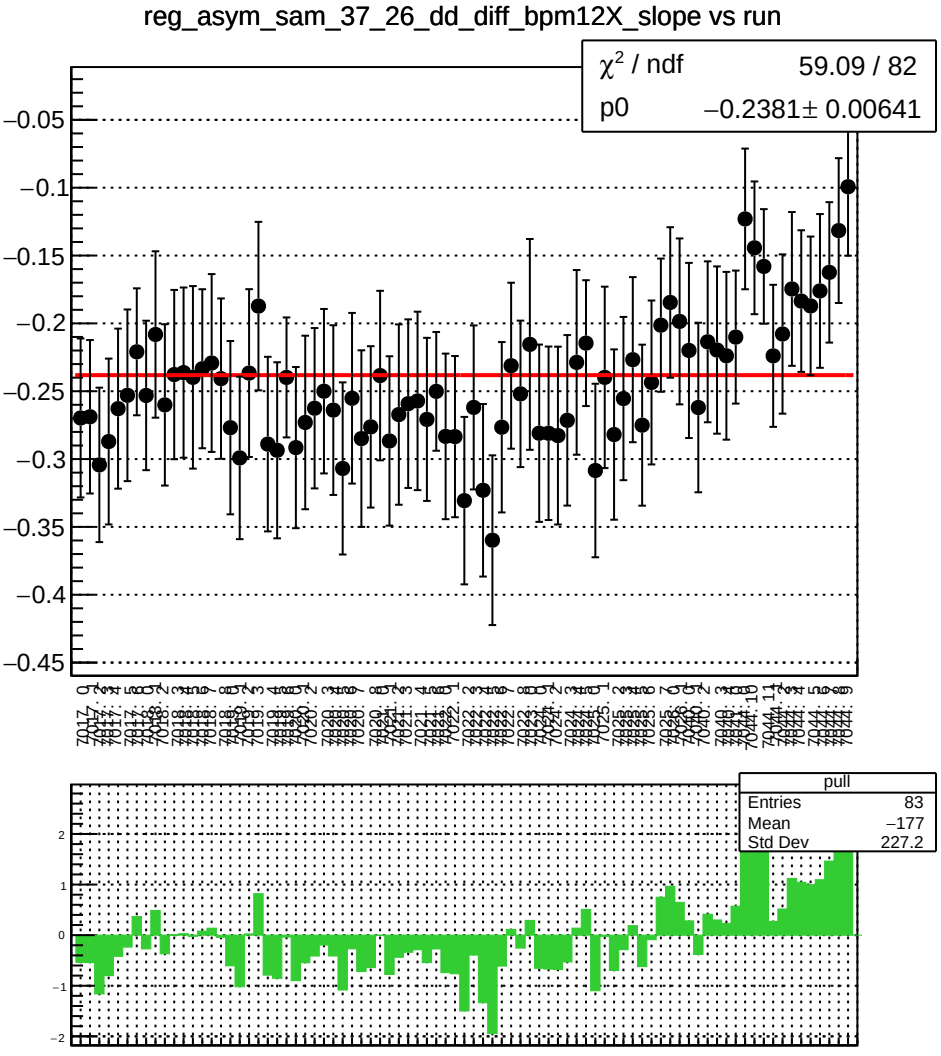

pull1D
Entries 83
Mean −0.01032
Std Dev 0.6372

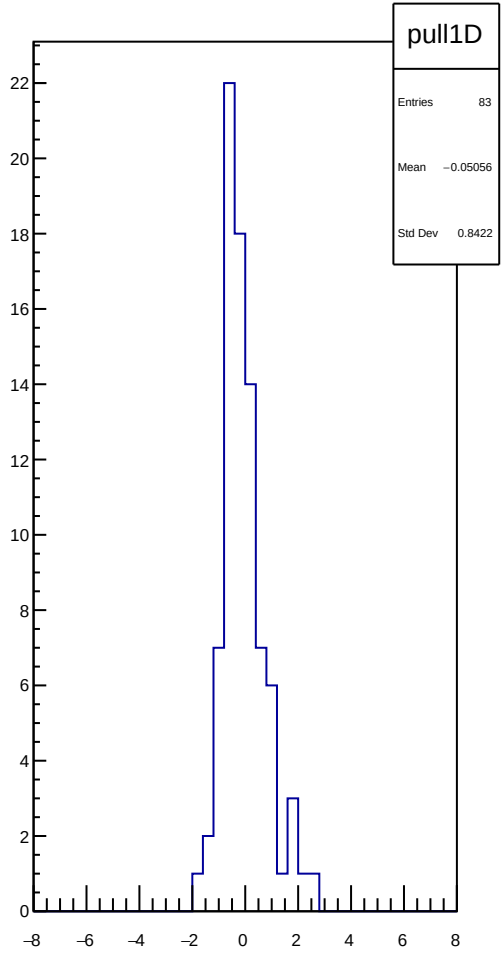

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 16.96 / 82
p0 −5.294 ± 0.1756
pull
Entries 83
Mean −20.84
Std Dev 99.32

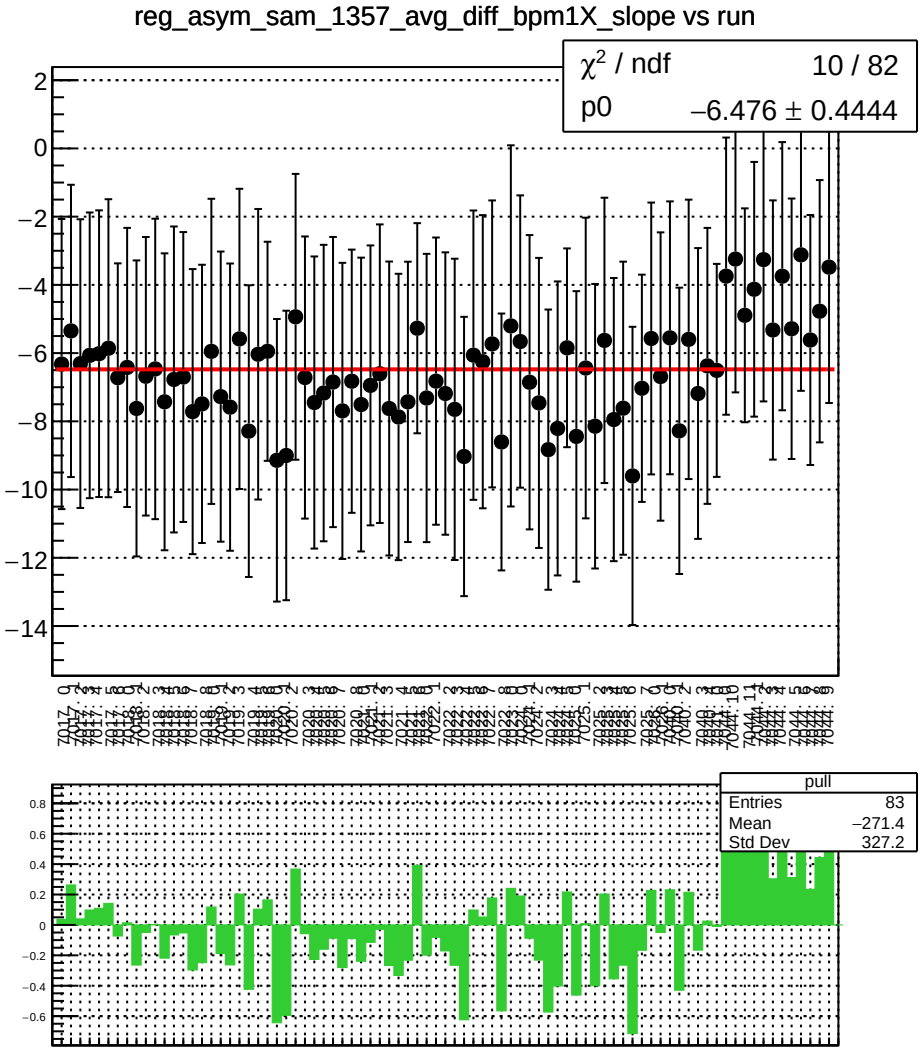

pull1D
Entries 83
Mean 0.01803
Std Dev 0.4517

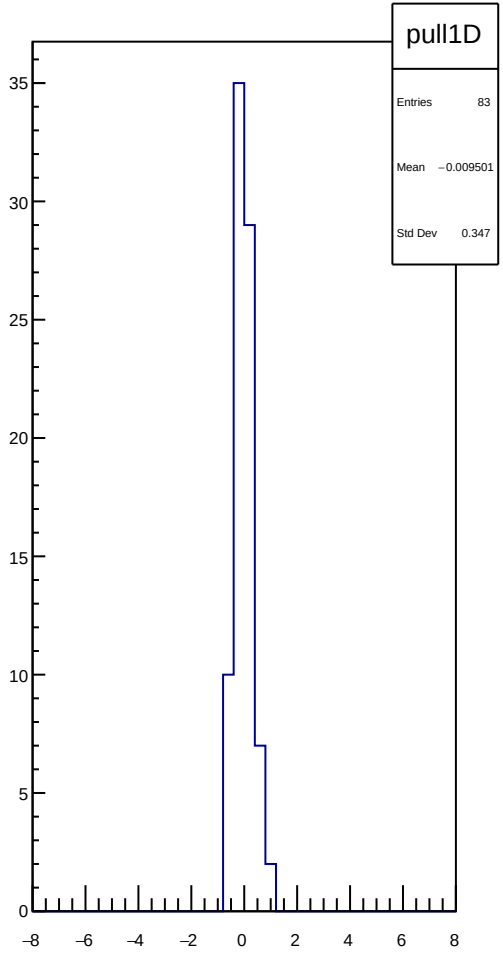

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 111.7 / 82
p0 23.72 ± 0.1362
pull
Entries 83
Mean 1967
Std Dev 1919


pull1D
Entries 83
Mean 0.006936
Std Dev 1.16

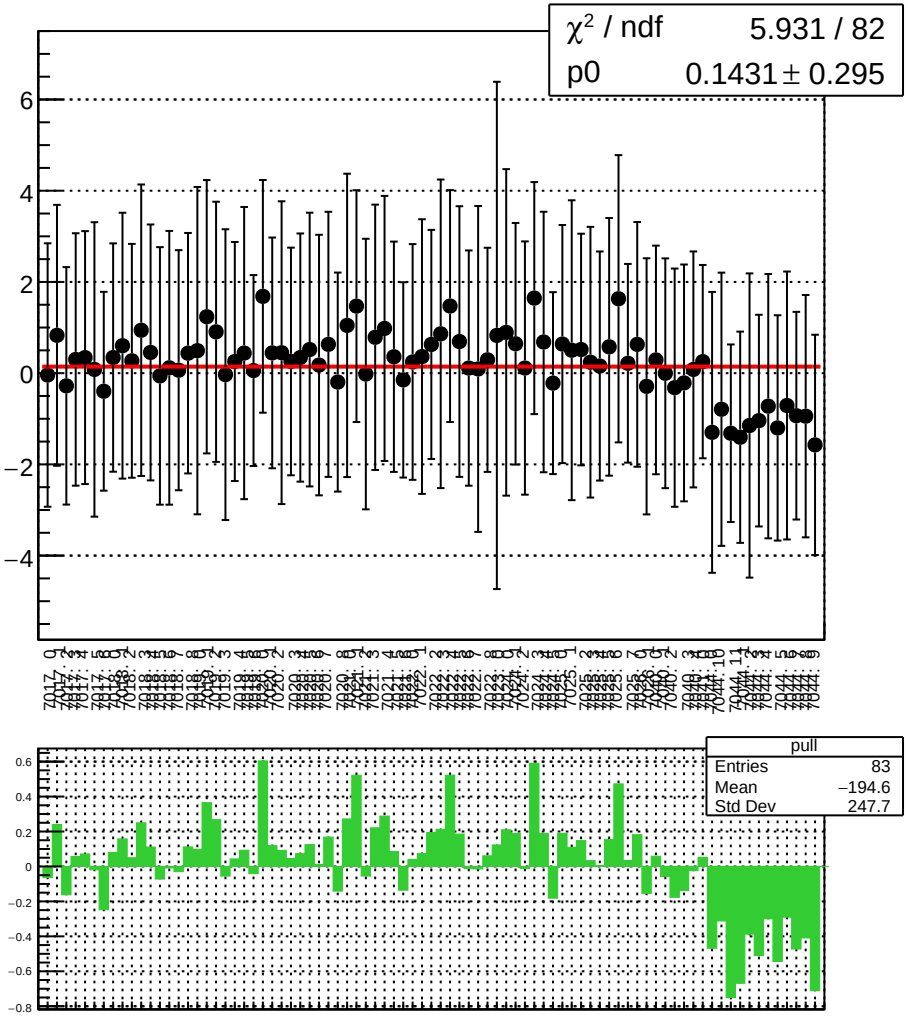

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 59.09 / 82
p0 −0.2381± 0.00641
pull
Entries 83
Mean −177
Std Dev 227.2

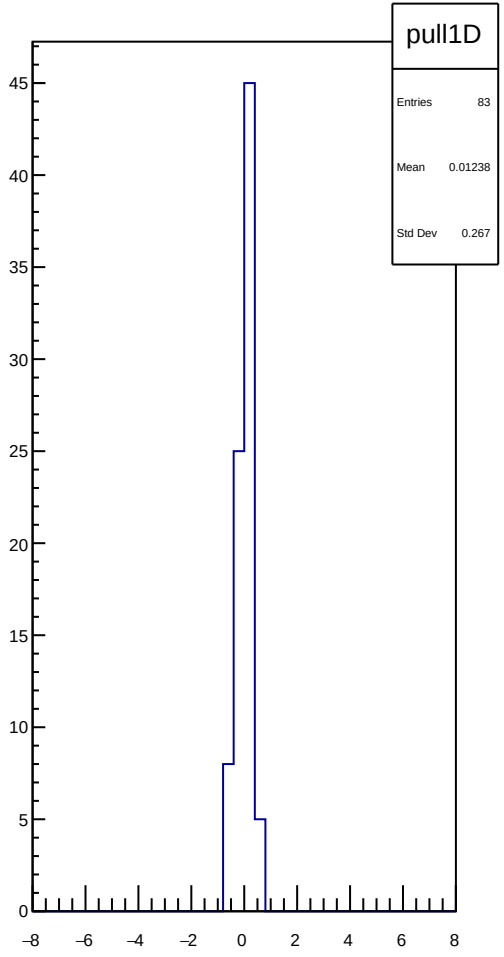

pull1D
Entries 83
Mean −0.05056
Std Dev 0.8422

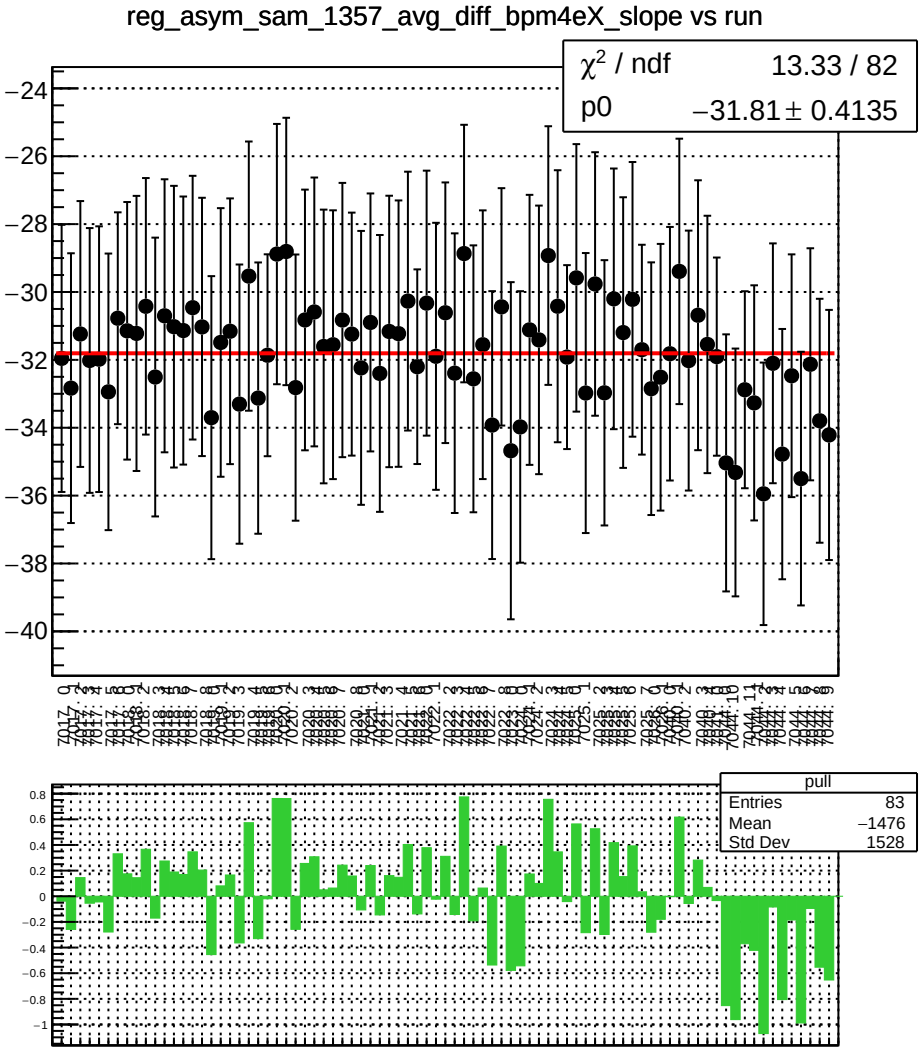

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 10 / 82
p0 −6.476 ± 0.4444
pull
Entries 83
Mean −271.4
Std Dev 327.2

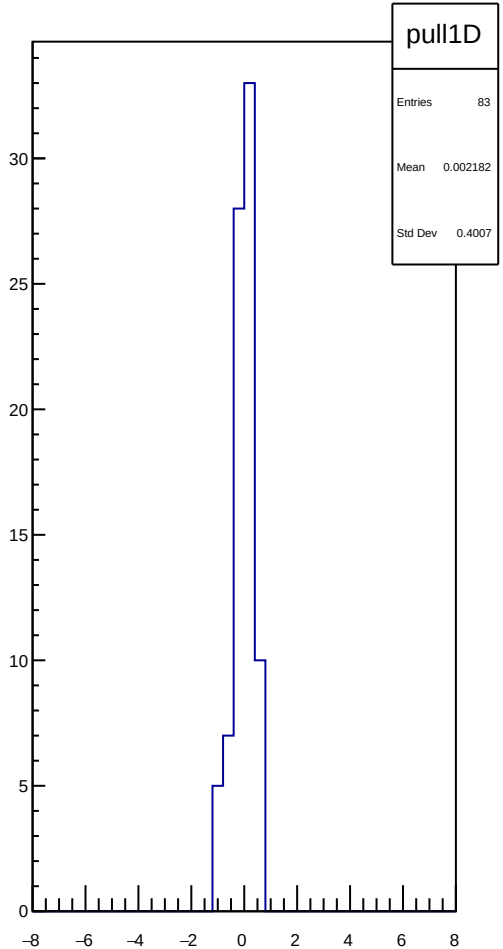

pull1D
Entries 83
Mean −0.009501
Std Dev 0.347

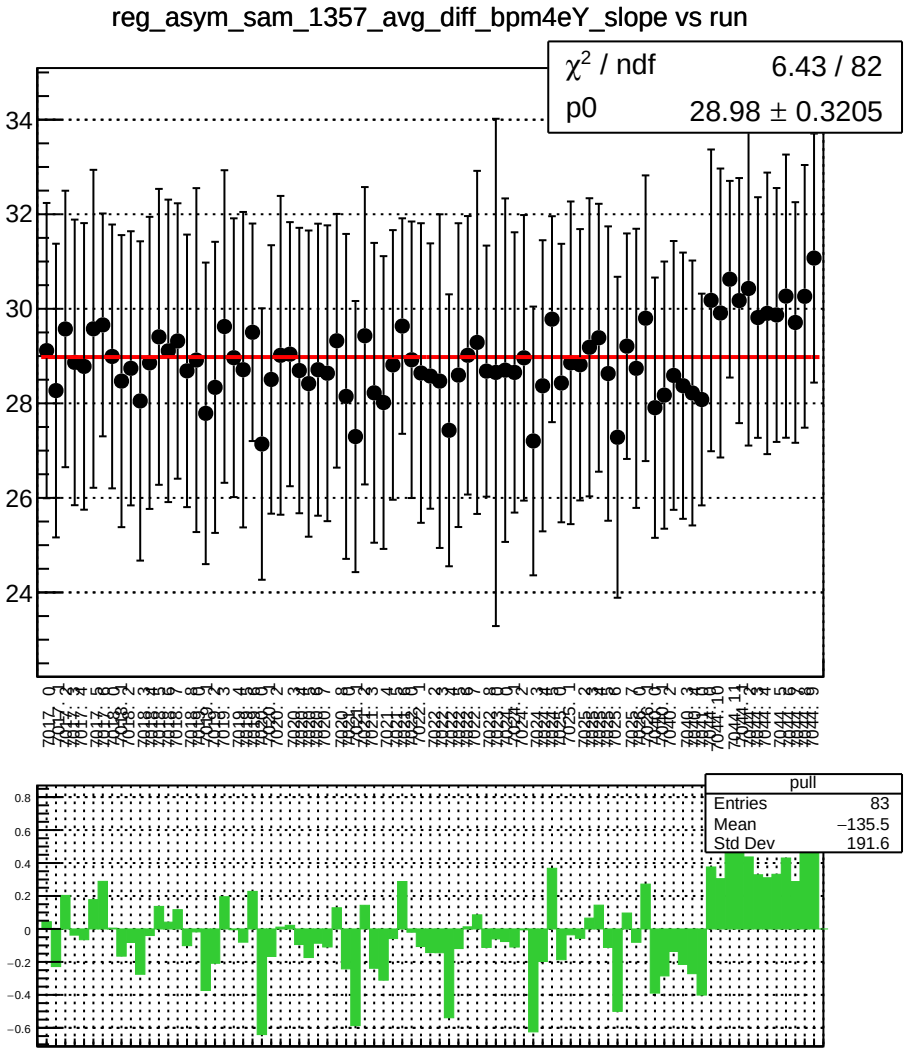
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run

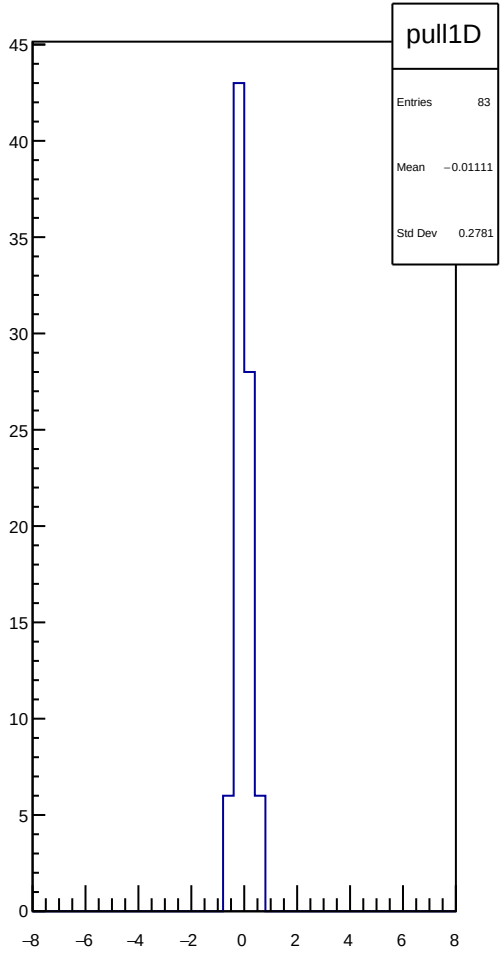


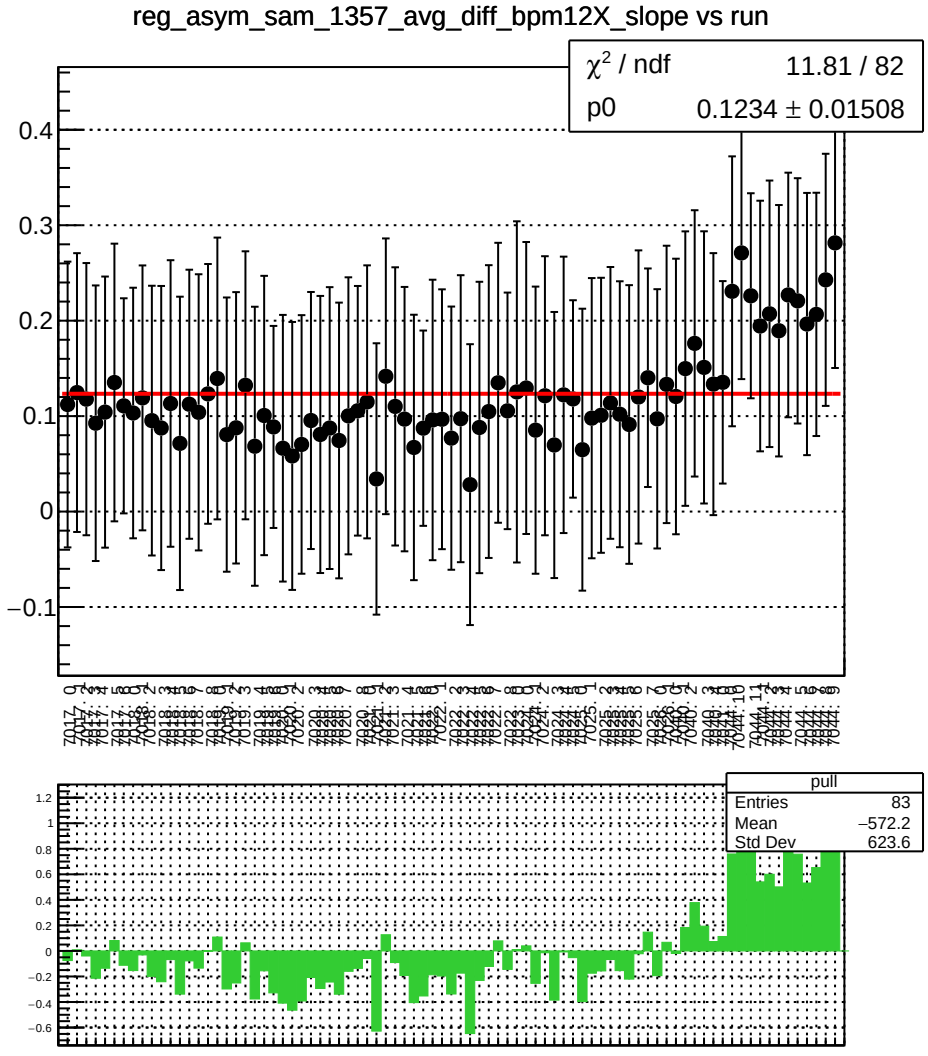


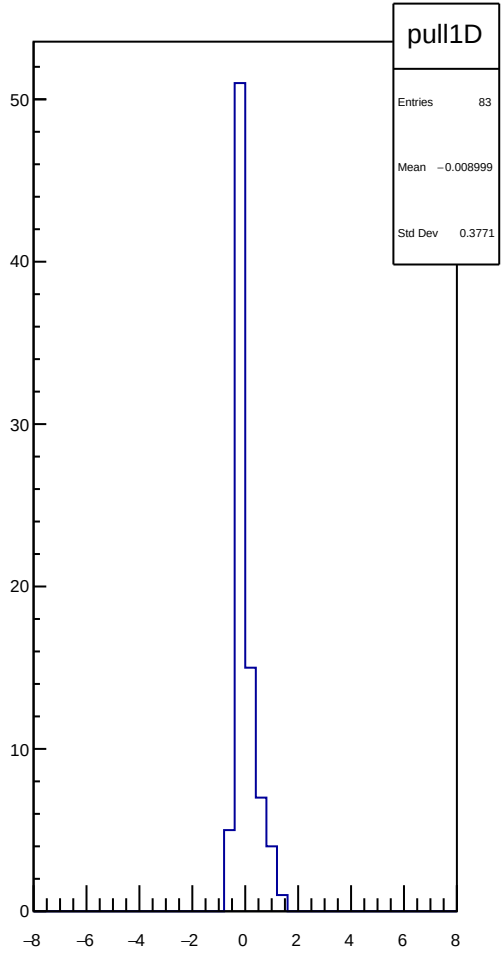

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.33 / 82
p0 −31.81 ± 0.4135
pull
Entries 83
Mean −1476
Std Dev 1528

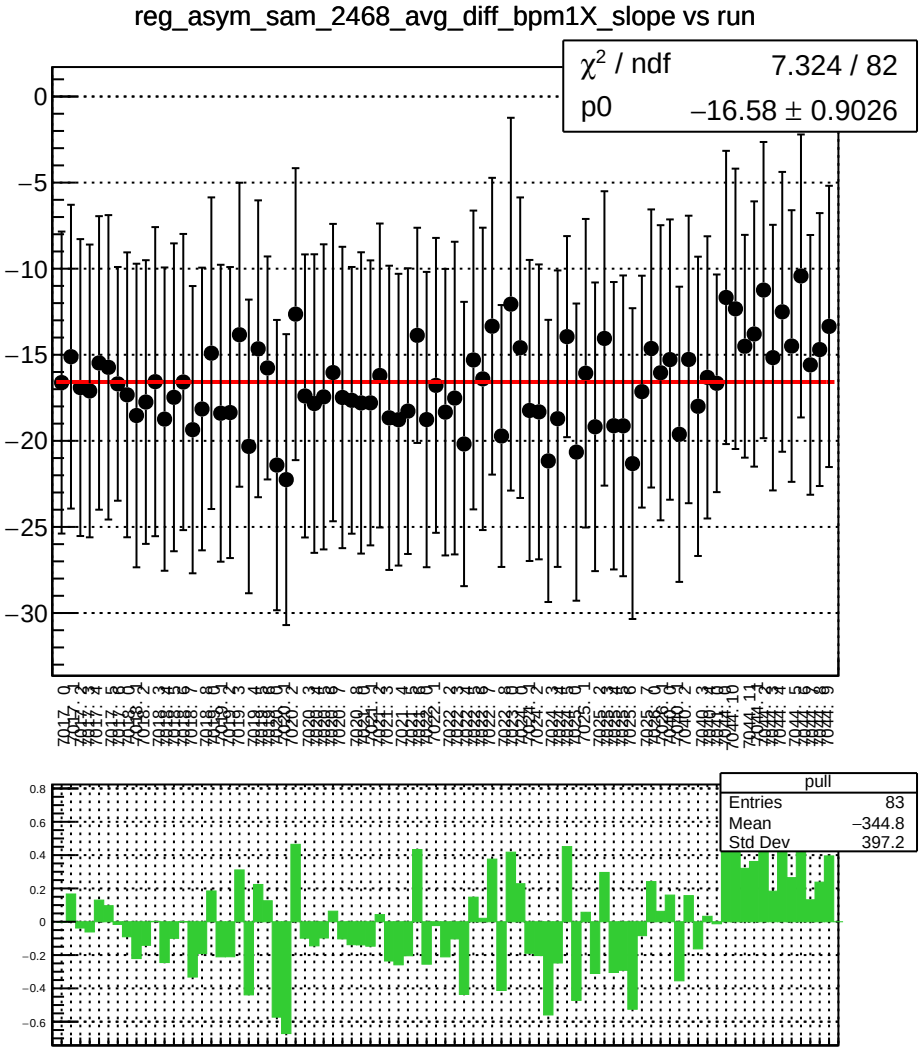

pull1D
Entries 83
Mean 0.002182
Std Dev 0.4007

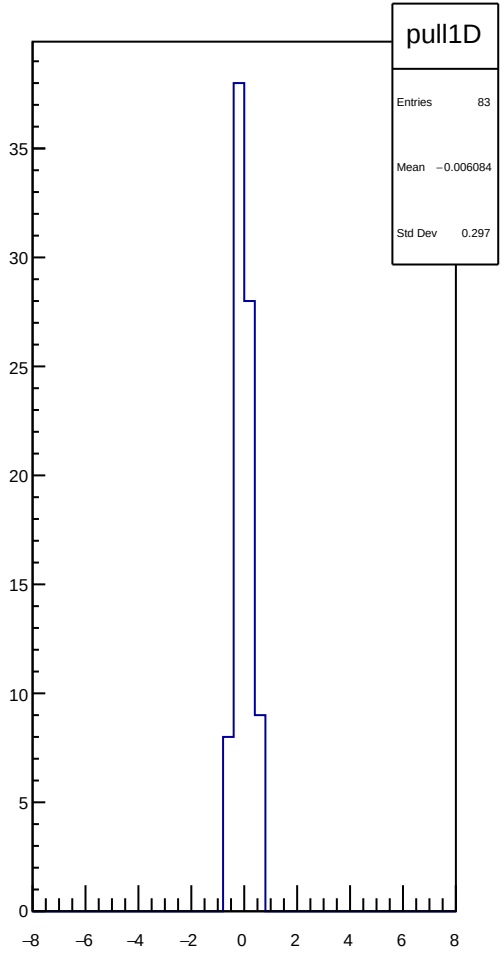

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.43 / 82
p0 28.98 ± 0.3205
pull
Entries 83
Mean −135.5
Std Dev 191.6

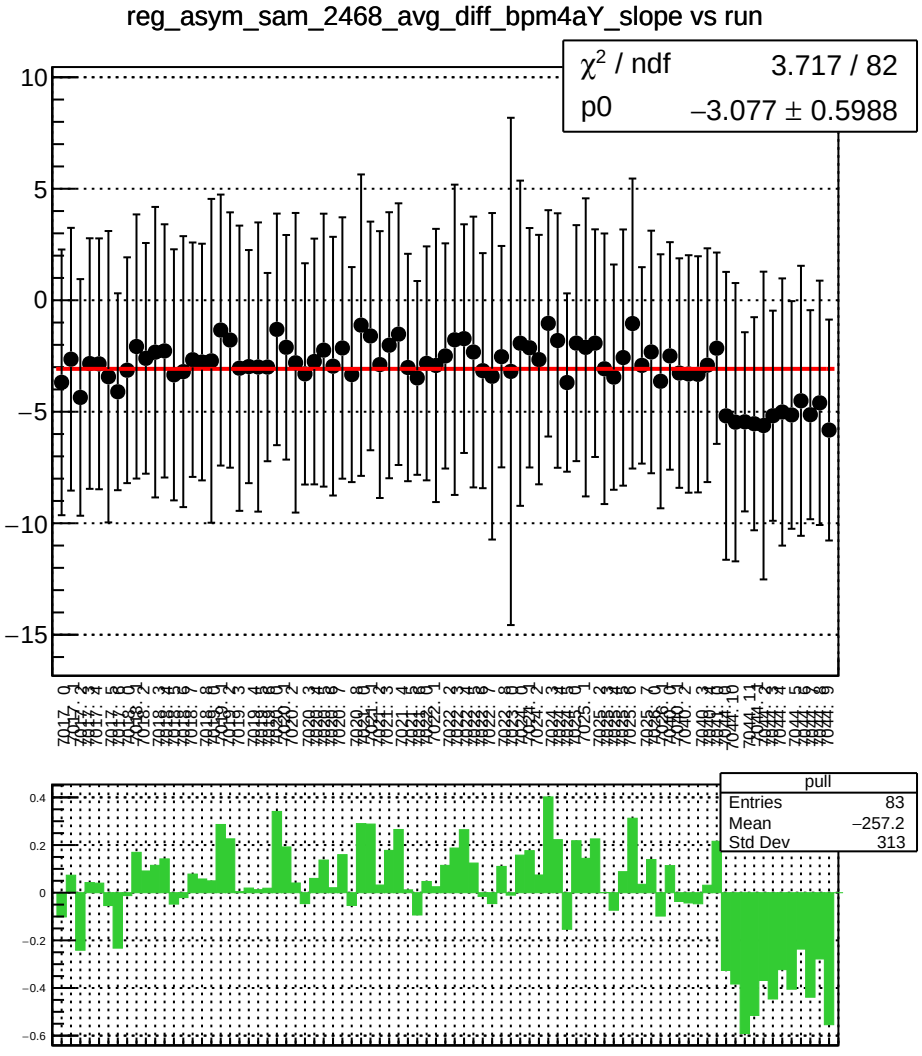

pull1D
Entries 83
Mean −0.01111
Std Dev 0.2781

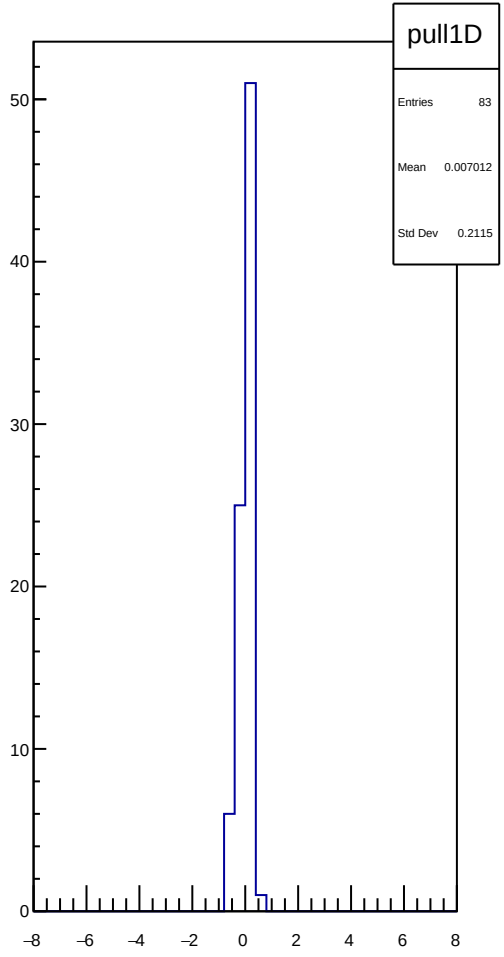

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.81 / 82
p0 0.1234 ± 0.01508
pull
Entries 83
Mean −572.2
Std Dev 623.6

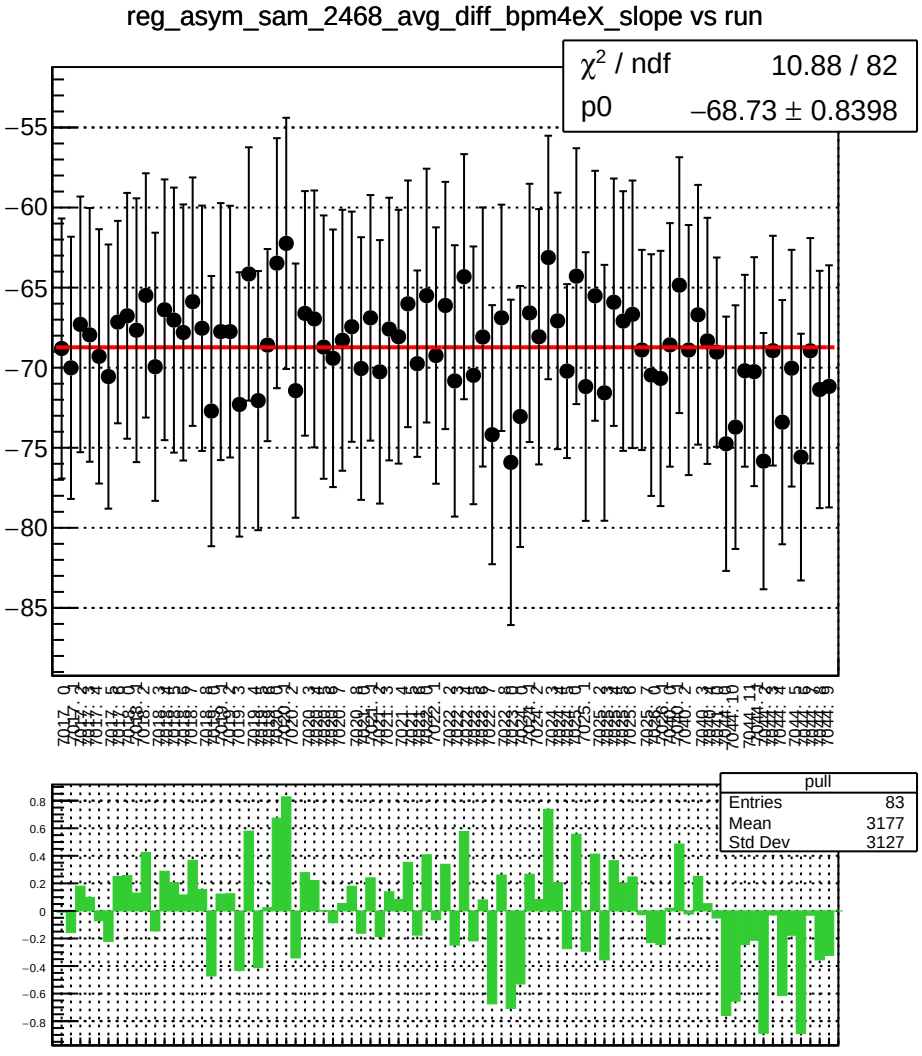

pull1D
Entries 83
Mean −0.008999
Std Dev 0.3771

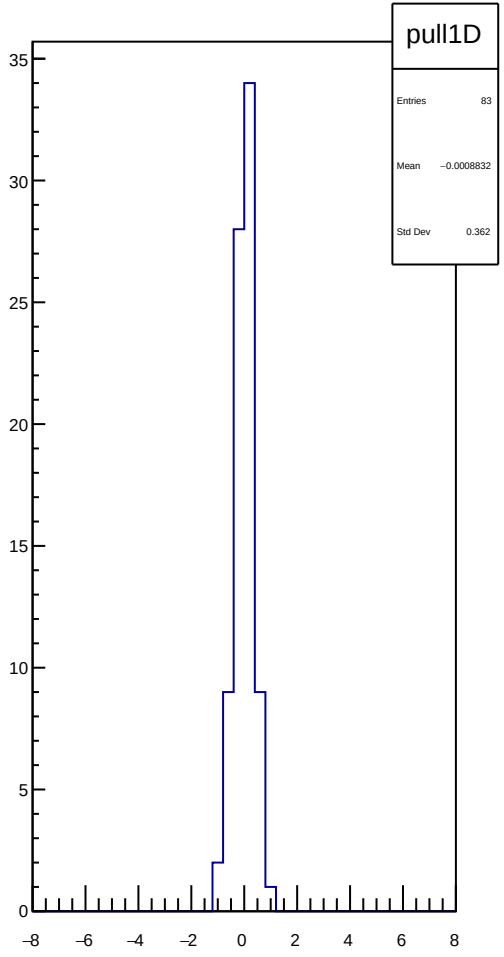

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.324 / 82
p0 −16.58 ± 0.9026
pull
Entries 83
Mean −344.8
Std Dev 397.2

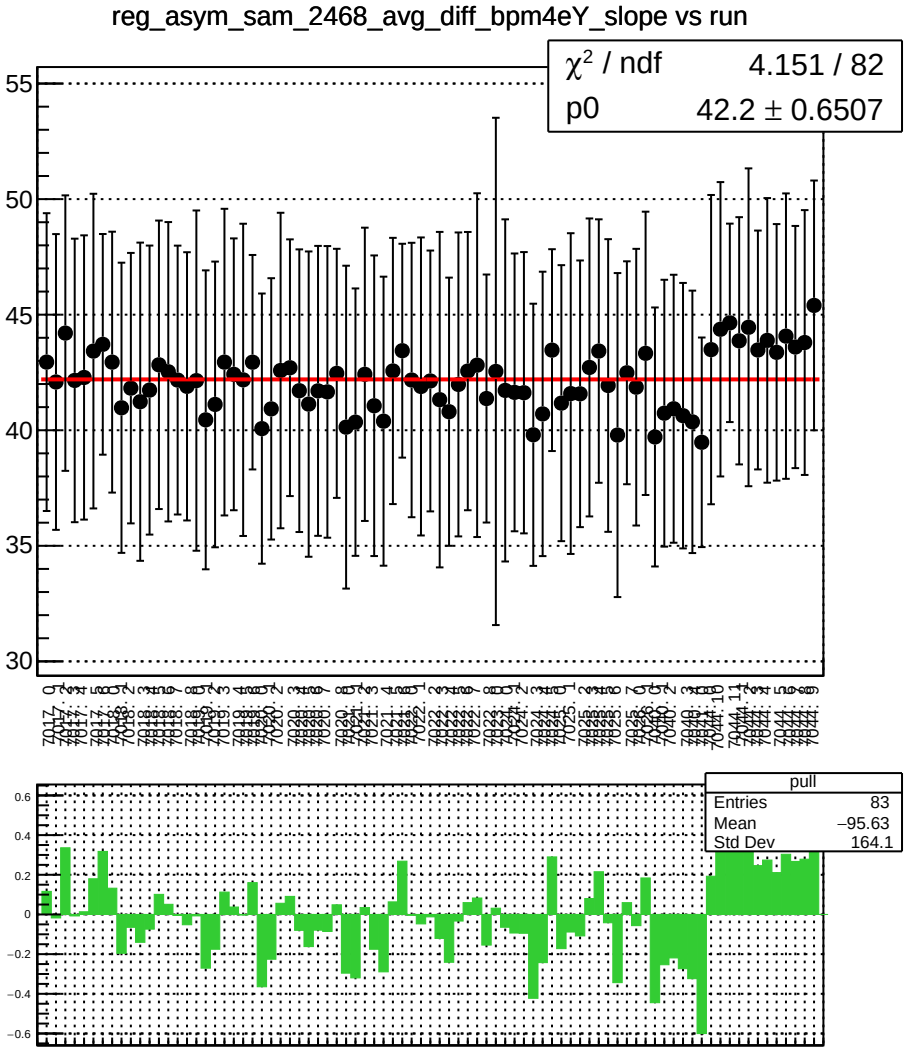

pull1D
Entries 83
Mean −0.006084
Std Dev 0.297

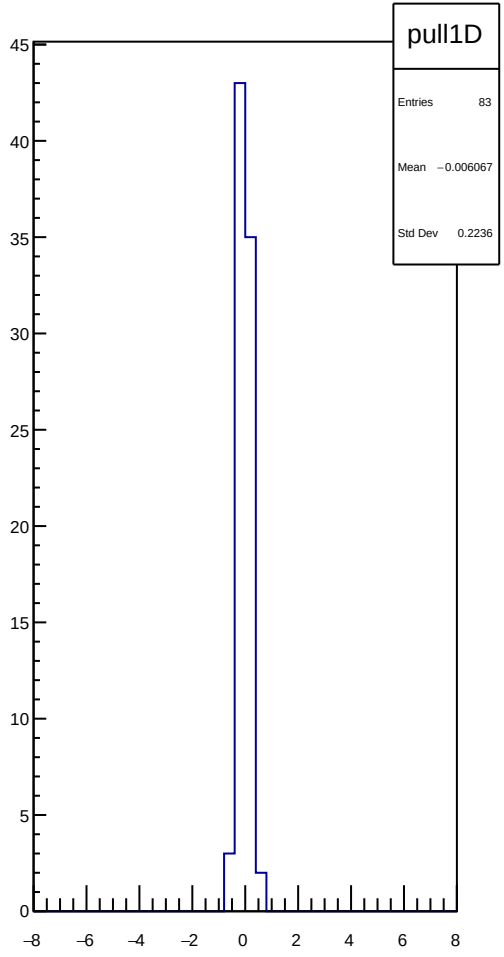

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.717 / 82
p0 −3.077 ± 0.5988
pull
Entries 83
Mean −257.2
Std Dev 313

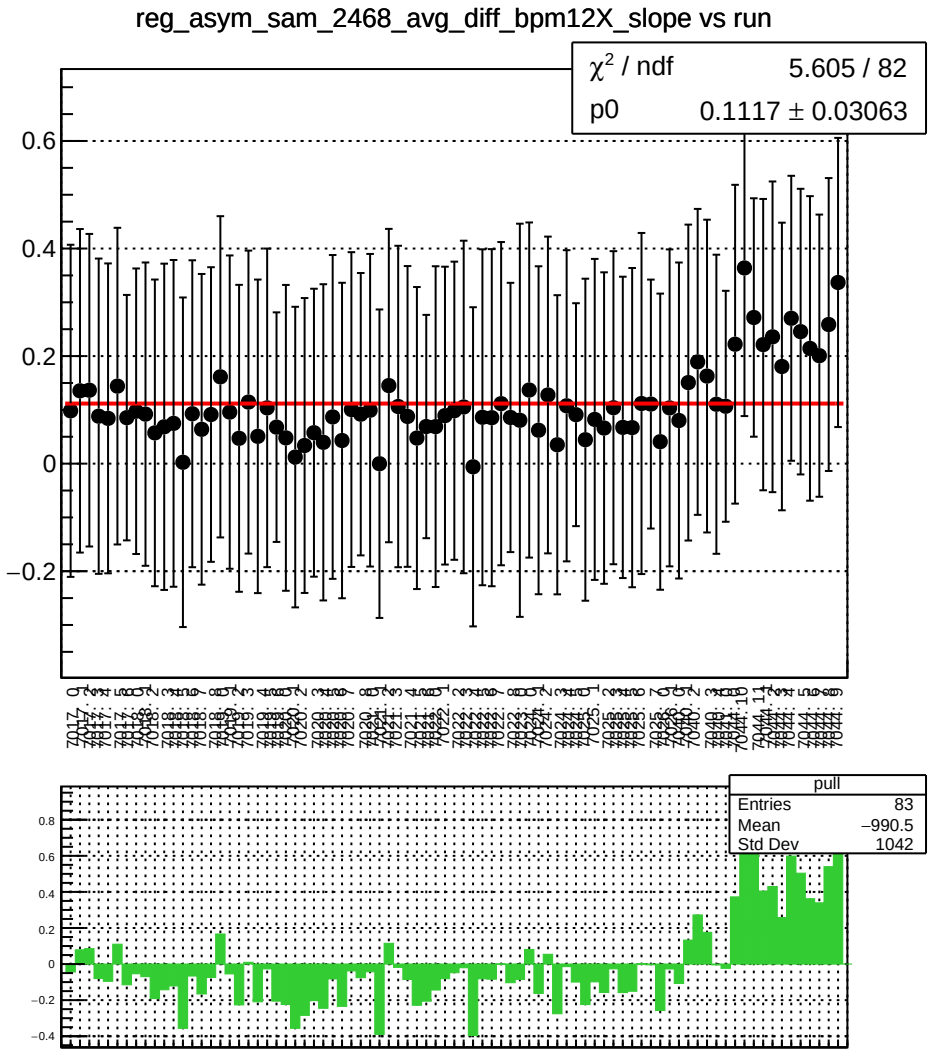

pull1D
Entries 83
Mean 0.007012
Std Dev 0.2115

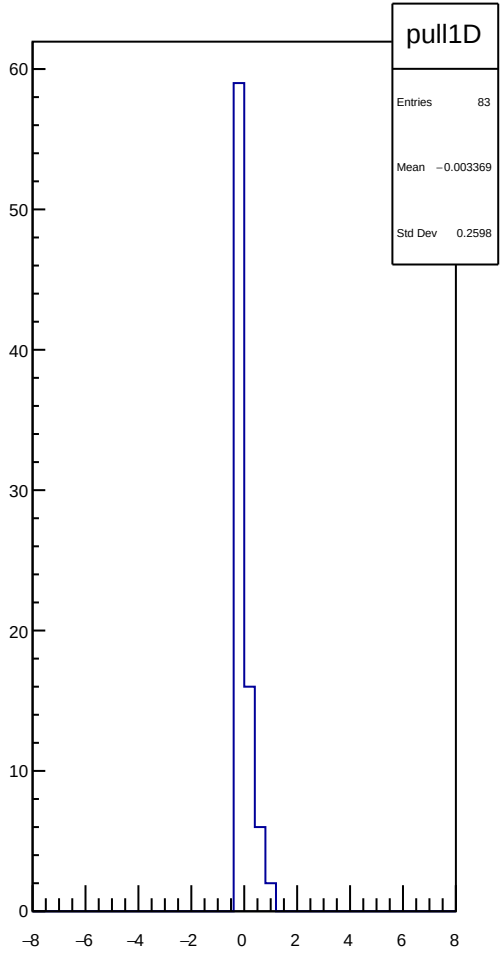

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.88 / 82
p0 −68.73 ± 0.8398
pull
Entries 83
Mean 3177
Std Dev 3127


pull1D
Entries 83
Mean −0.0008832
Std Dev 0.362

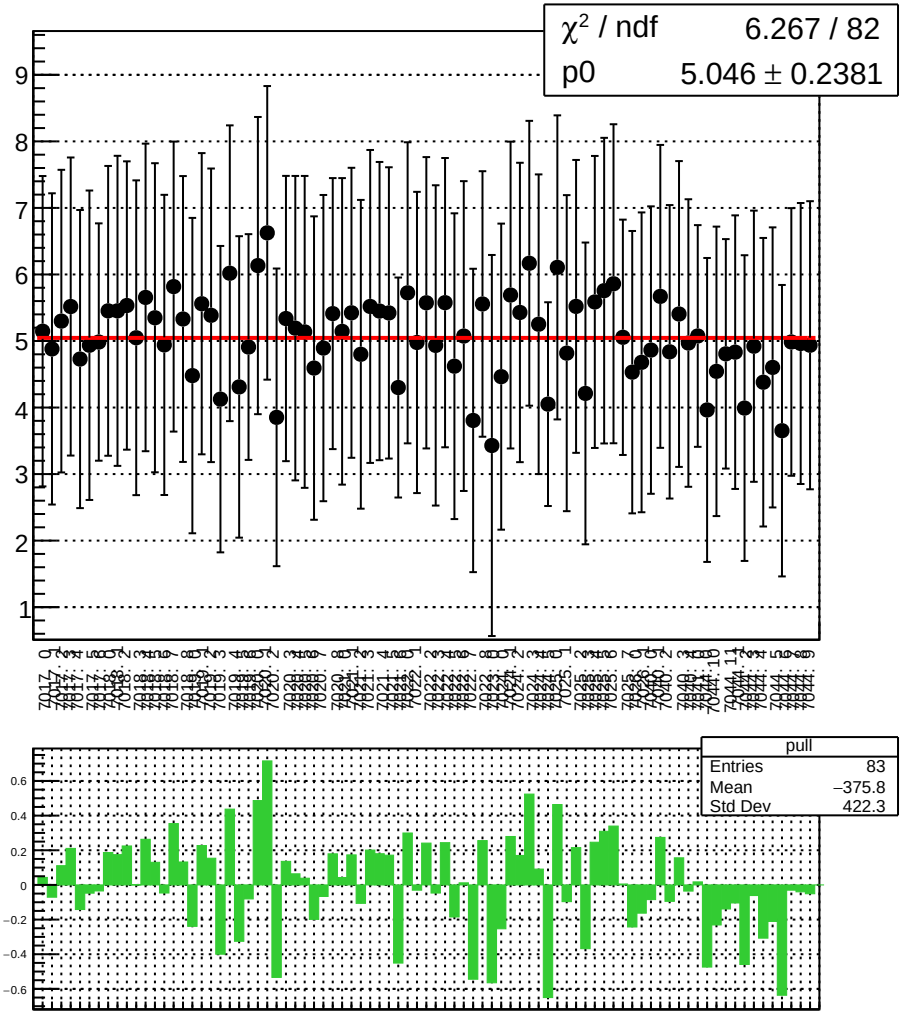

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.151 / 82
p0 42.2 ± 0.6507
pull
Entries 83
Mean −95.63
Std Dev 164.1

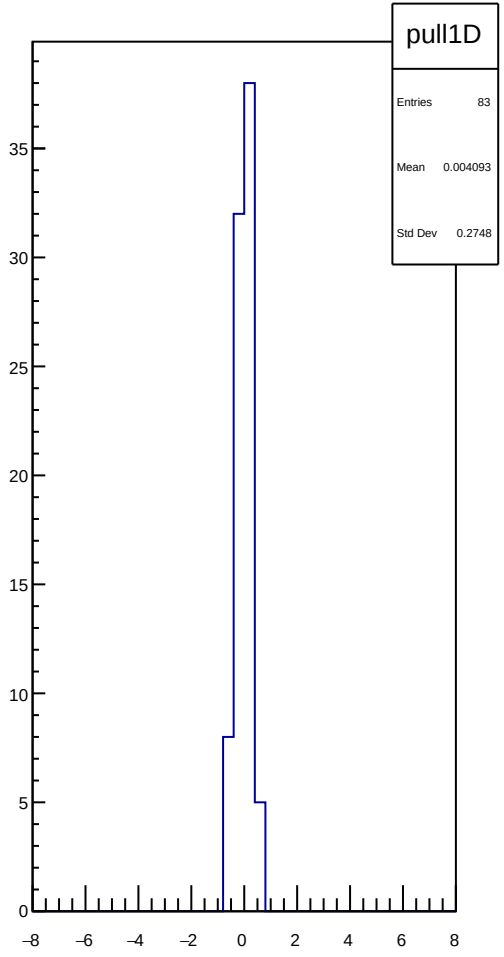

pull1D
Entries 83
Mean −0.006067
Std Dev 0.2236


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 5.605 / 82
p0 0.1117 ± 0.03063
pull
Entries 83
Mean −990.5
Std Dev 1042

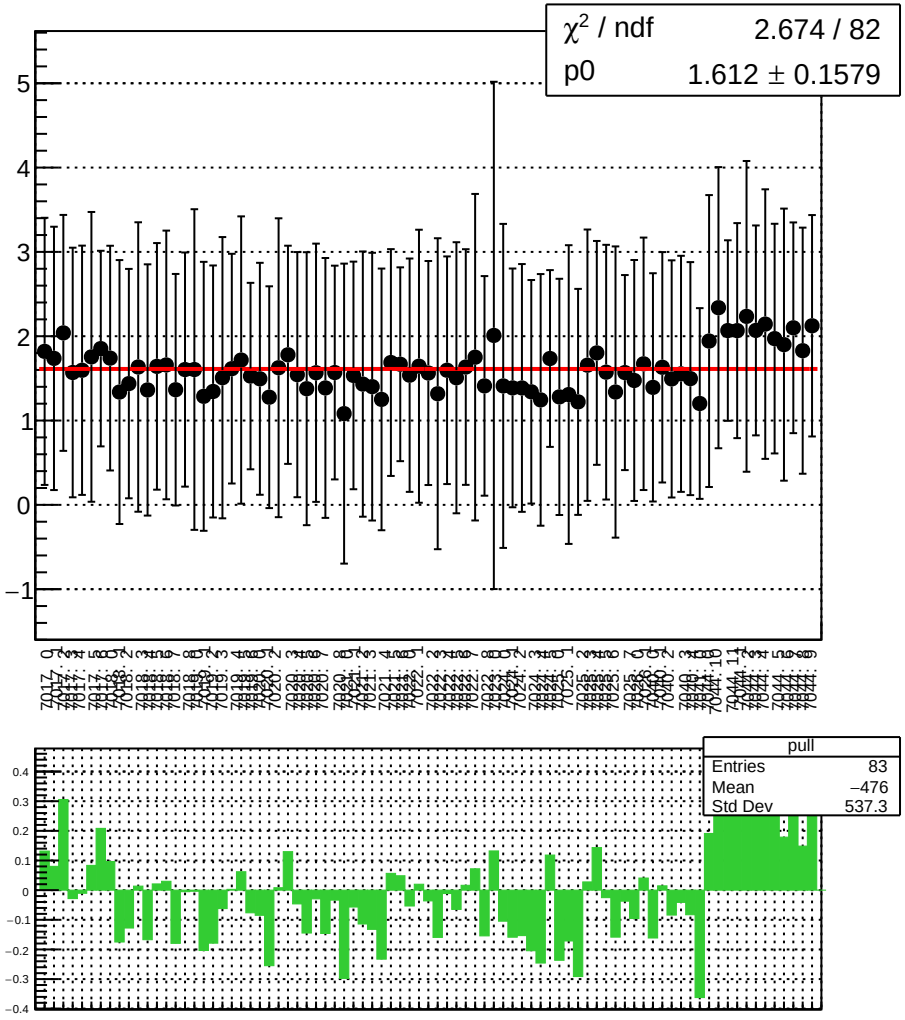

pull1D
Entries 83
Mean −0.003369
Std Dev 0.2598

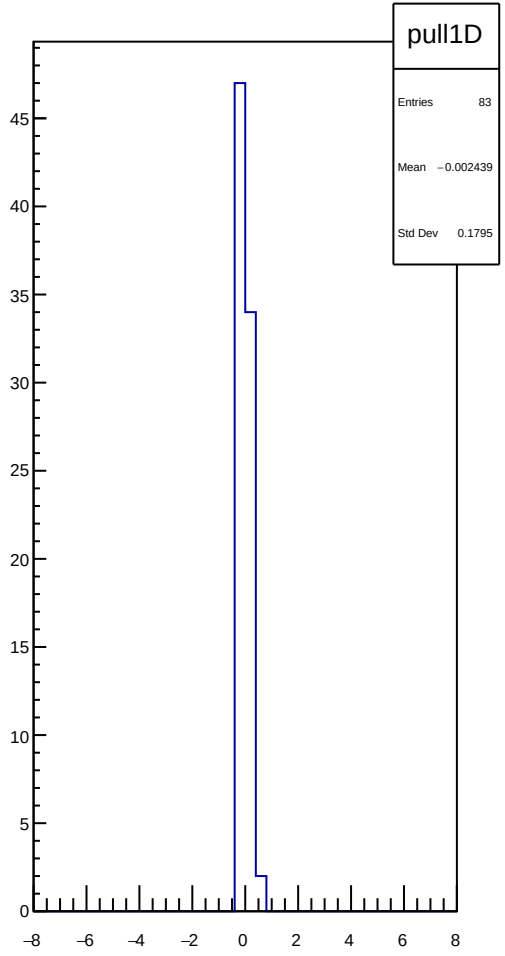
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

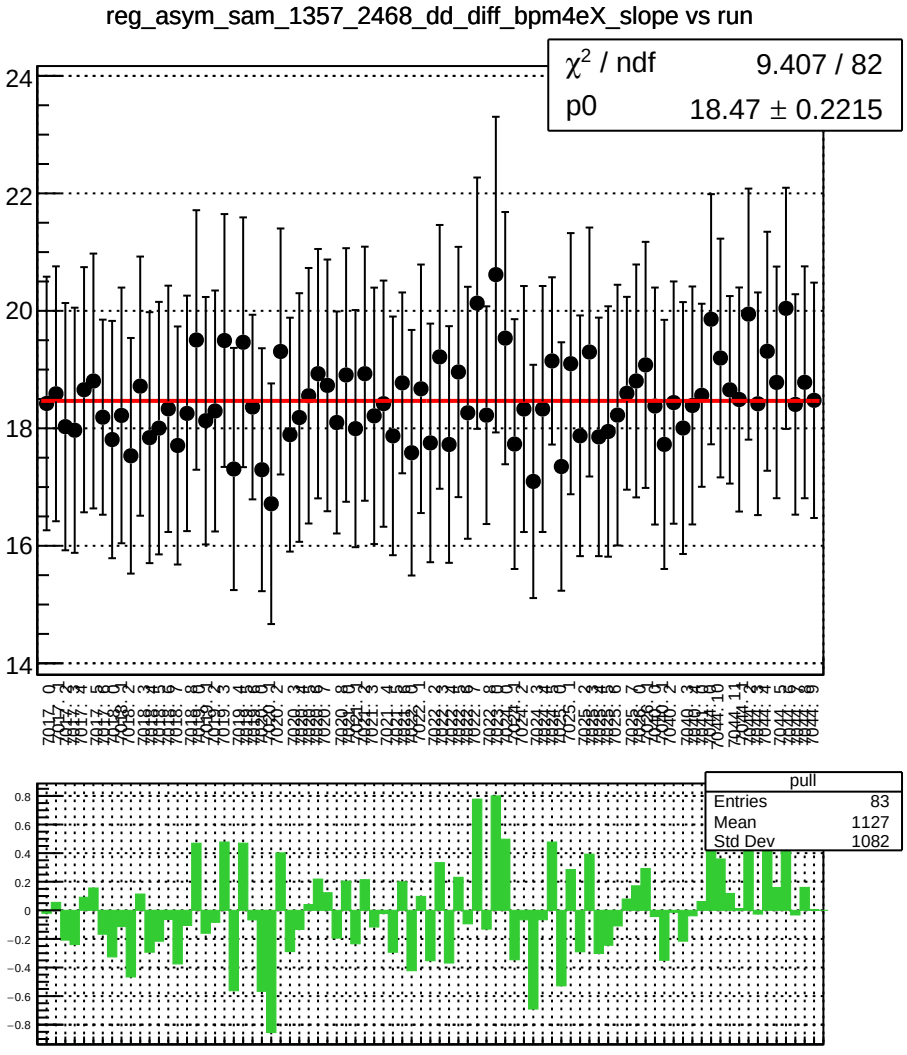


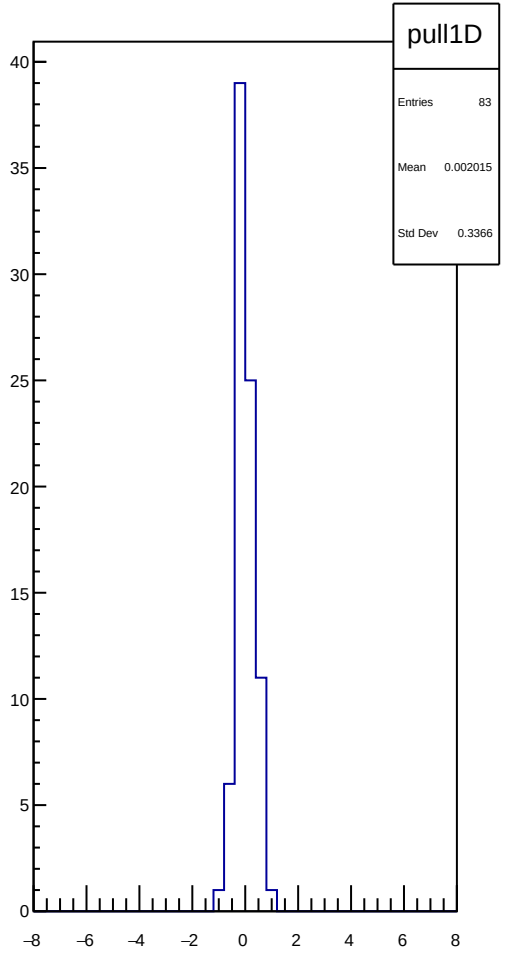


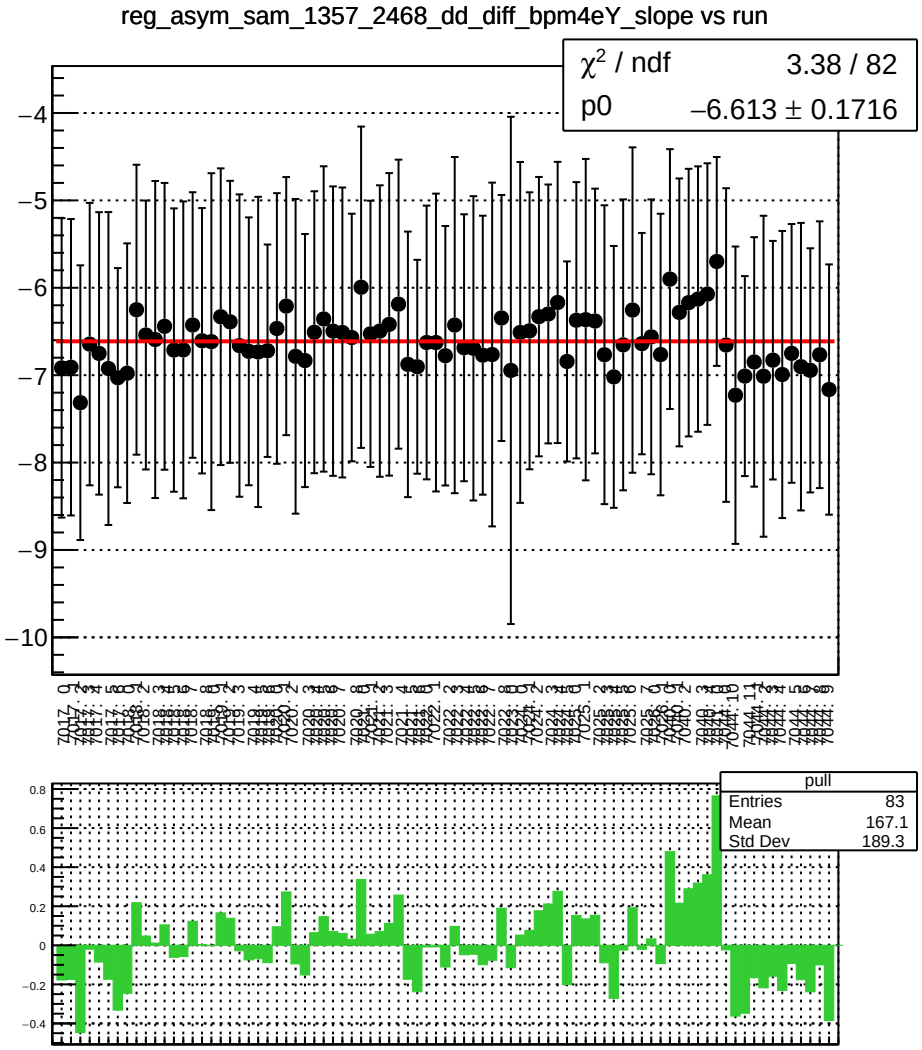
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

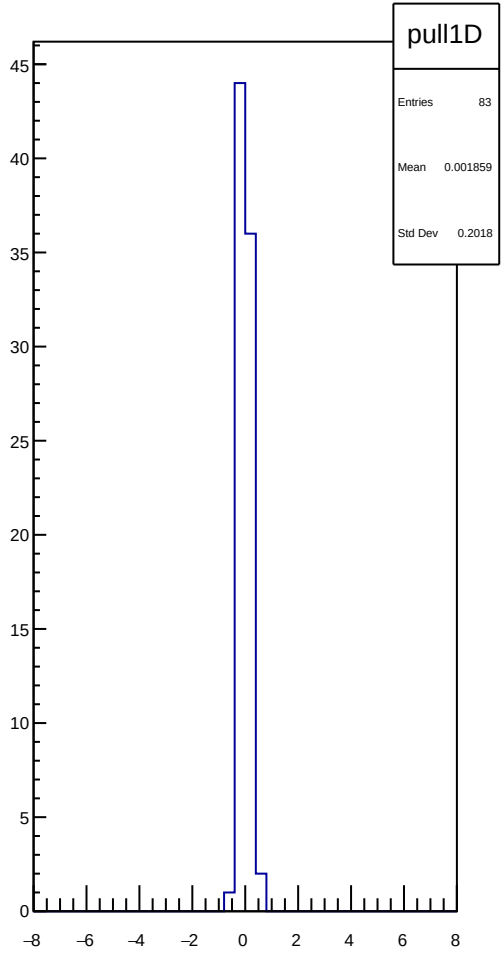


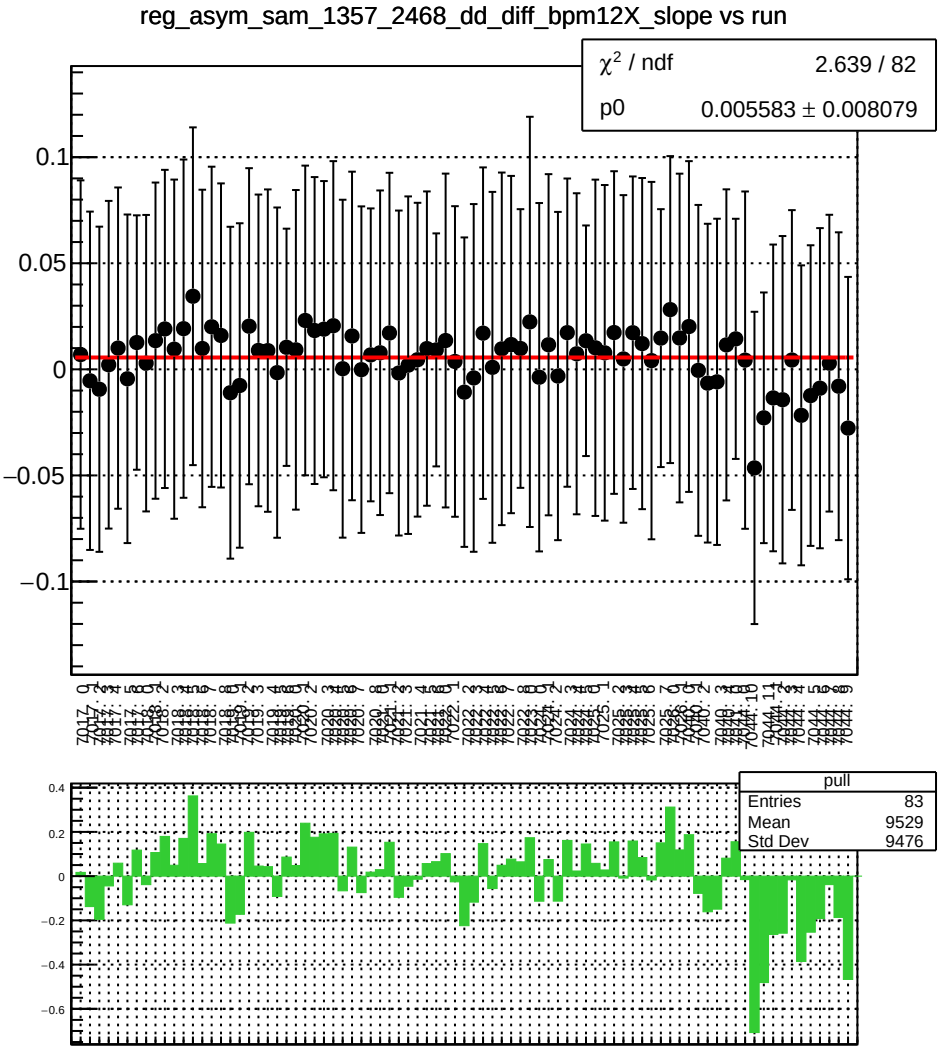


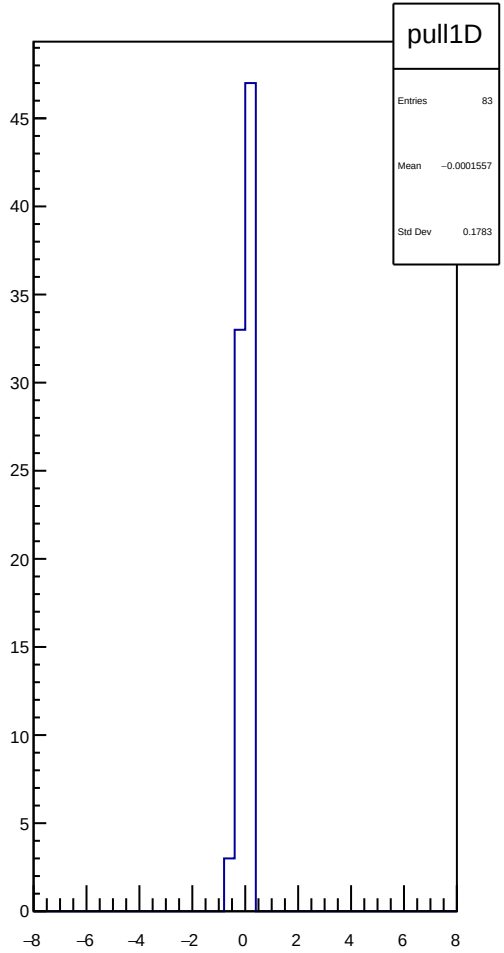

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.407 / 82
p0 18.47 ± 0.2215
pull
Entries 83
Mean 1127
Std Dev 1082

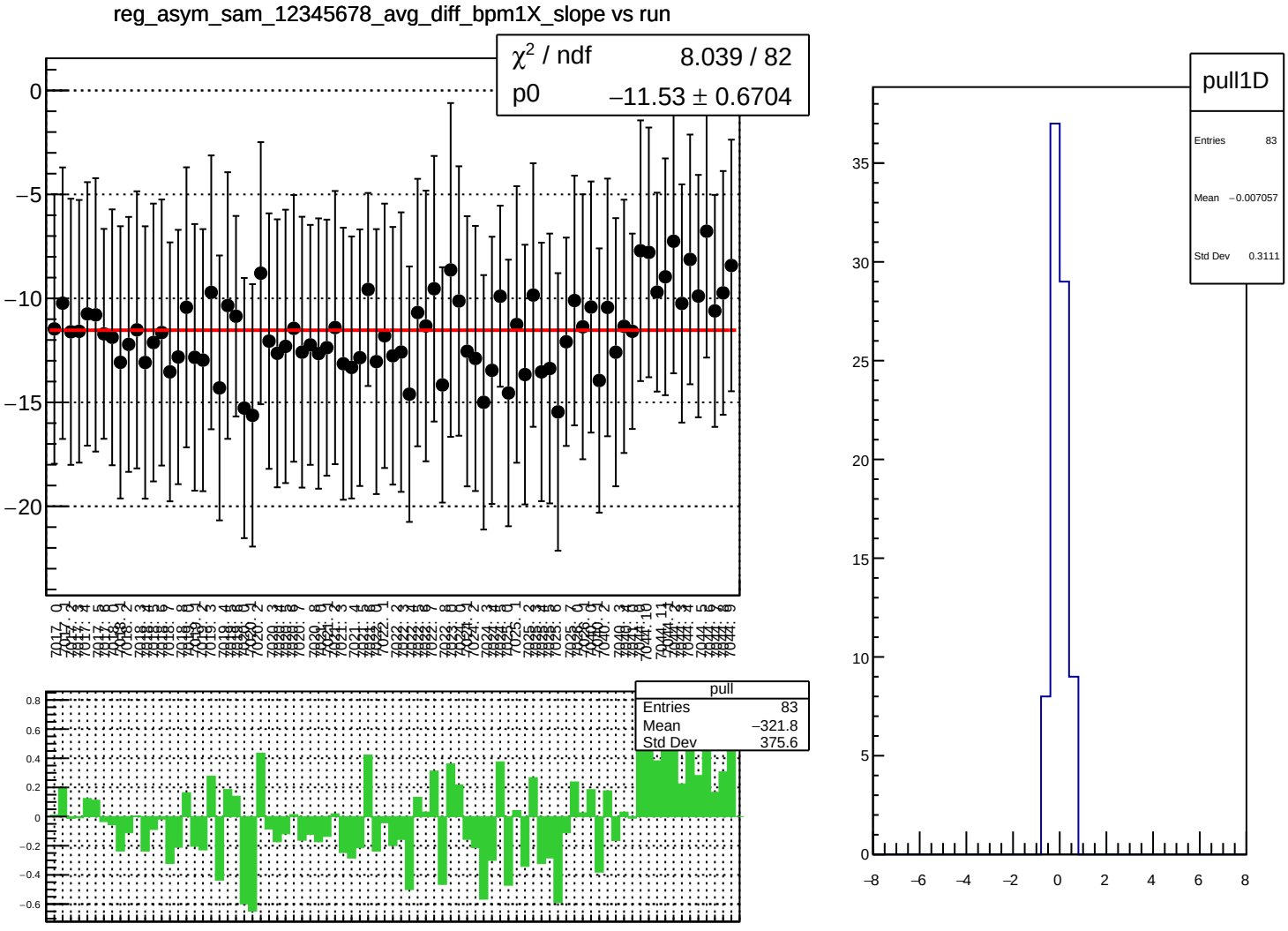

pull1D
Entries 83
Mean 0.002015
Std Dev 0.3366

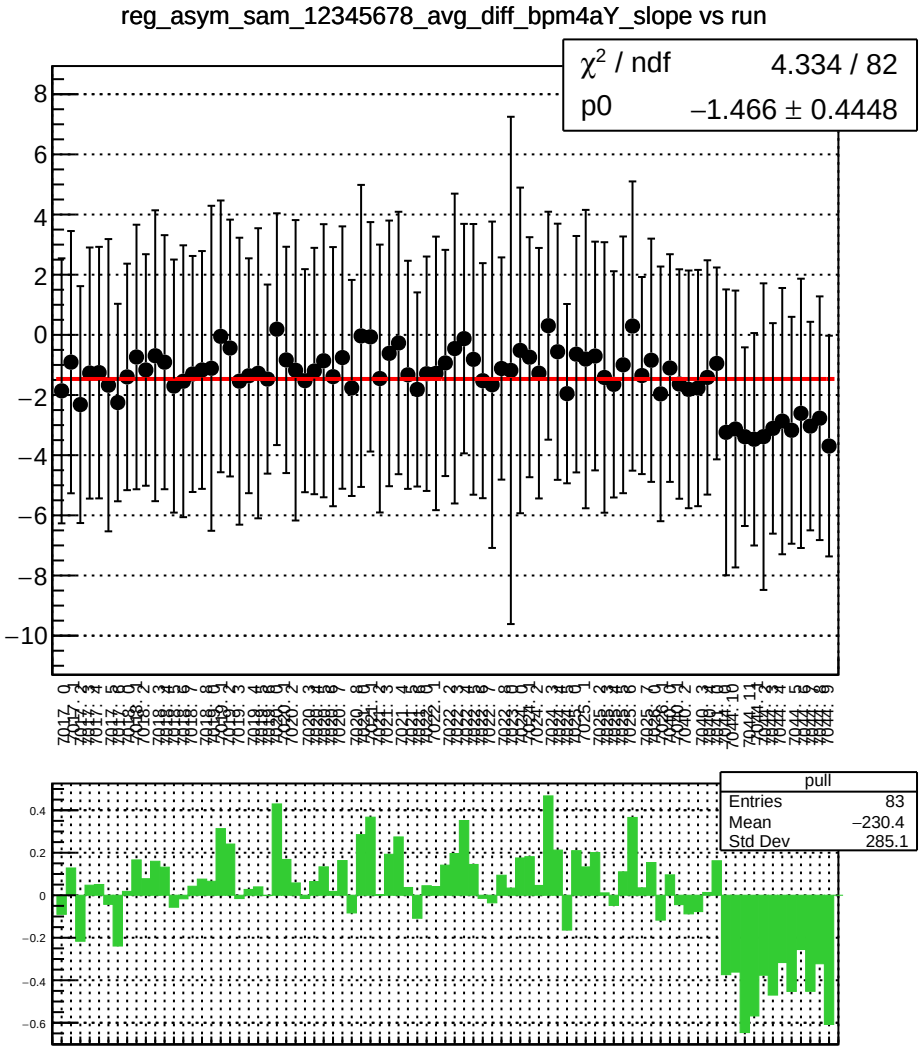

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 3.38 / 82
p0 −6.613 ± 0.1716
pull
Entries 83
Mean 167.1
Std Dev 189.3

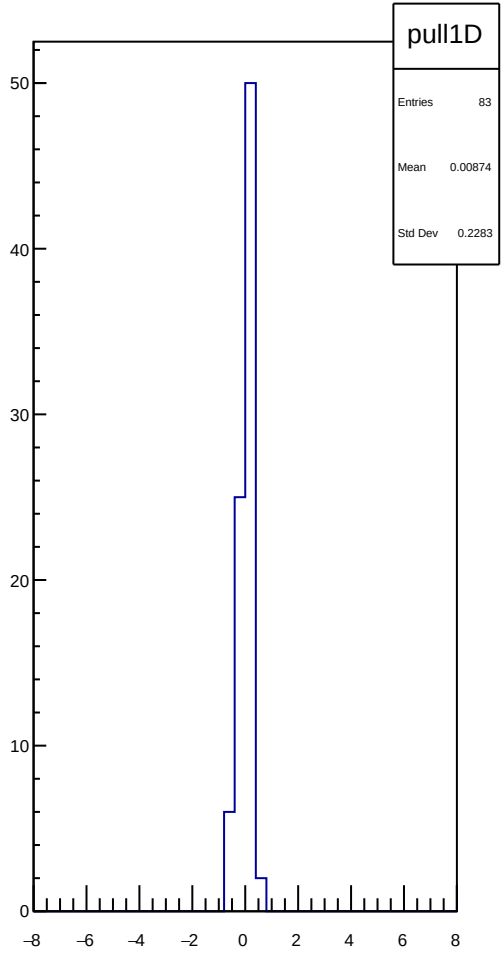

pull1D
Entries 83
Mean 0.001859
Std Dev 0.2018

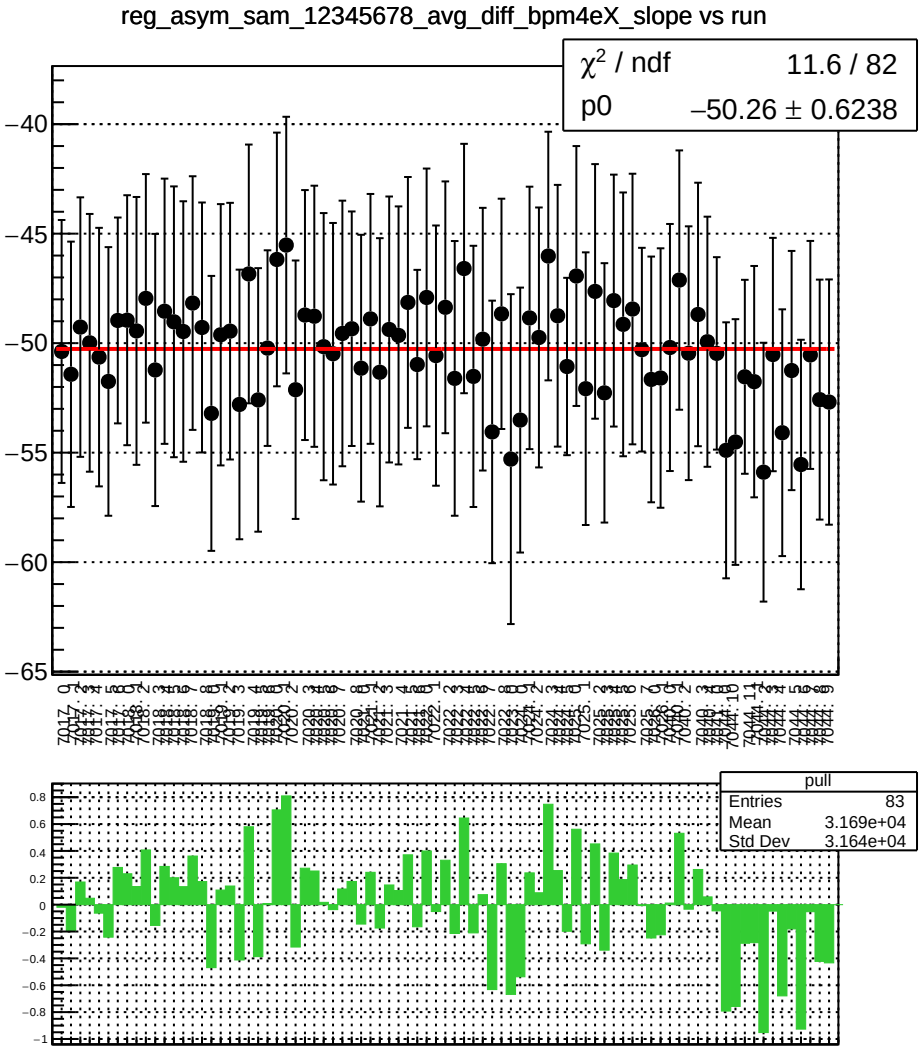

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.639 / 82
p0 0.005583 ± 0.008079
pull
Entries 83
Mean 9529
Std Dev 9476

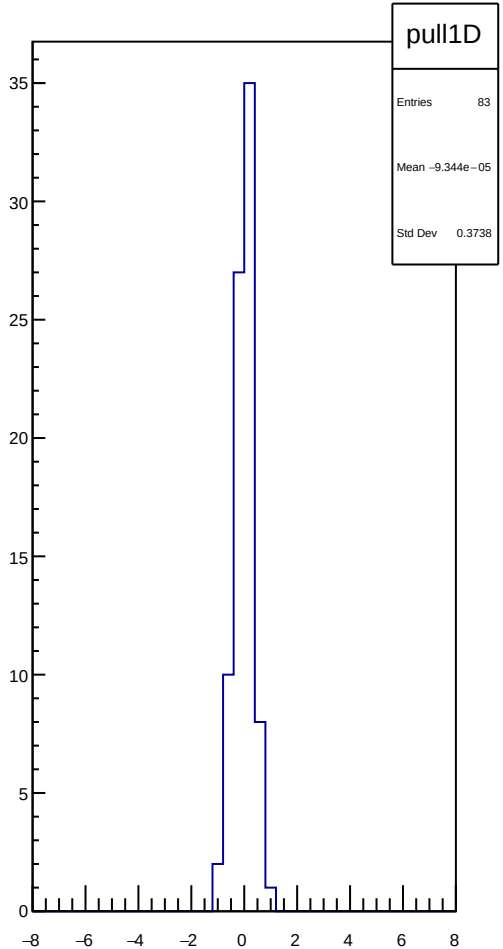

pull1D
Entries 83
Mean −0.0001557
Std Dev 0.1783

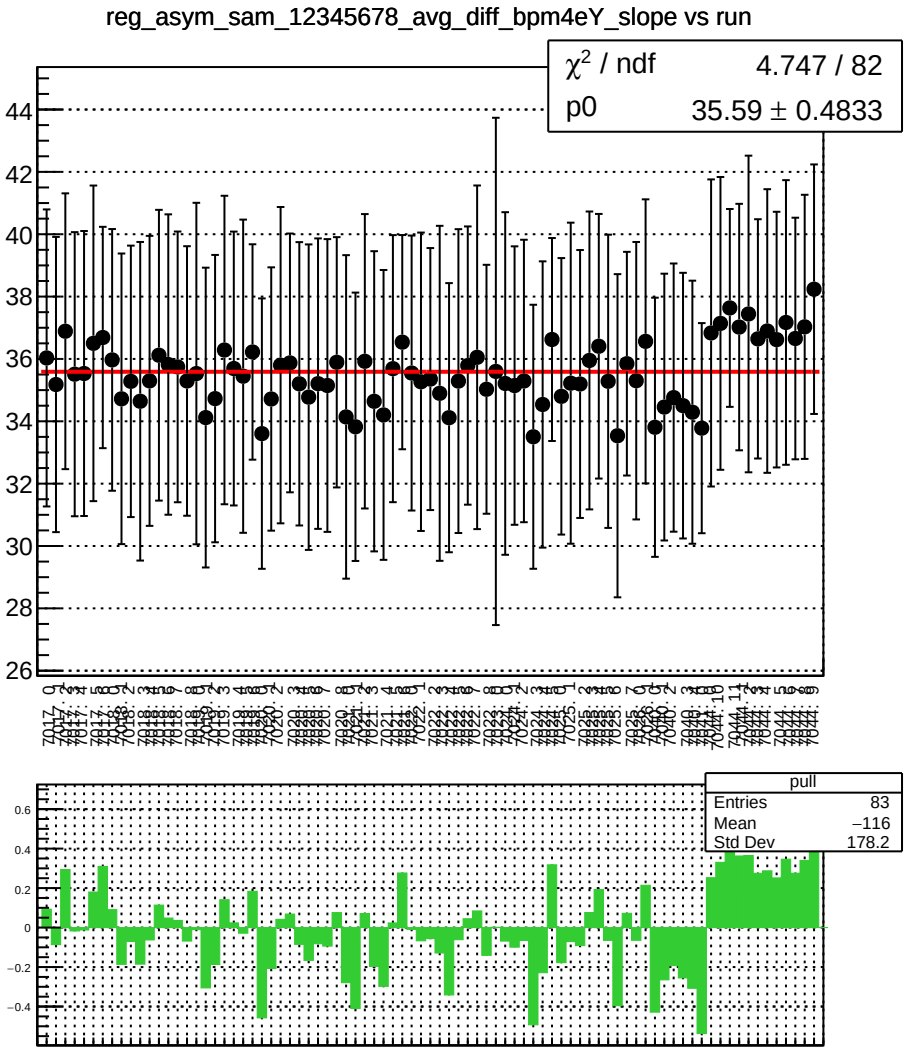

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 8.039 / 82
p0 −11.53 ± 0.6704
pull
Entries 83
Mean −321.8
Std Dev 375.6
pull1D
Entries 83
Mean −0.007057
Std Dev 0.3111

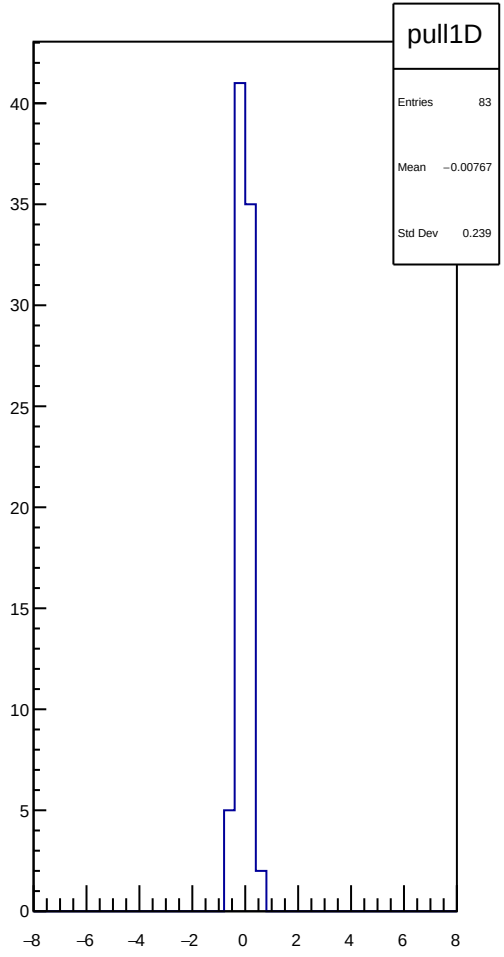

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.334 / 82
p0 −1.466 ± 0.4448
pull
Entries 83
Mean −230.4
Std Dev 285.1

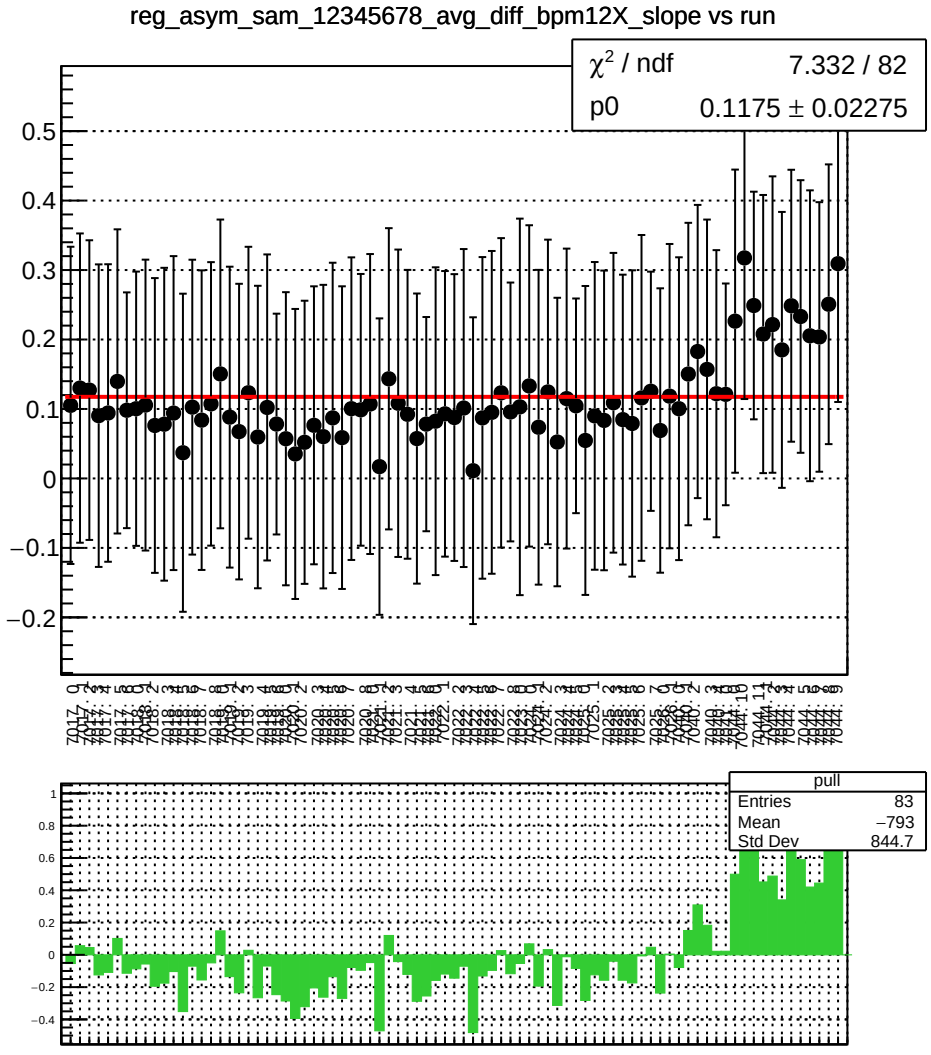

pull1D
Entries 83
Mean 0.00874
Std Dev 0.2283

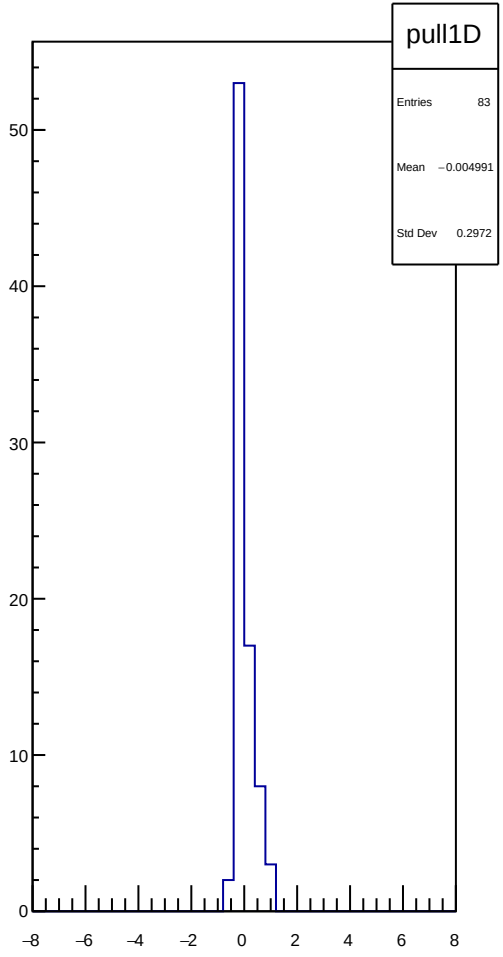

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.6 / 82
p0 −50.26 ± 0.6238
pull
Entries 83
Mean 3.169e+04
Std Dev 3.164e+04

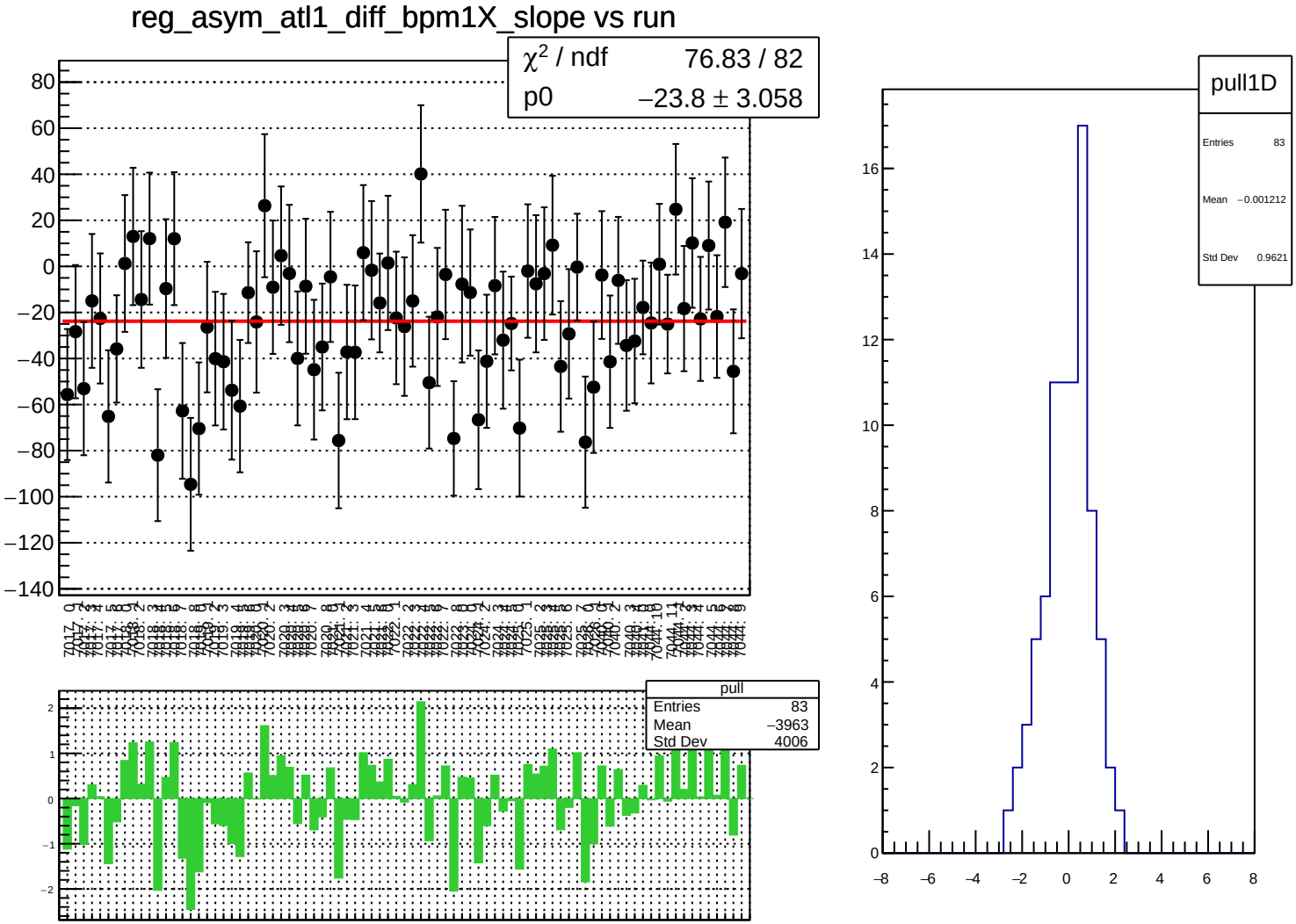

pull1D
Entries 83
Mean −9.344e−05
Std Dev 0.3738

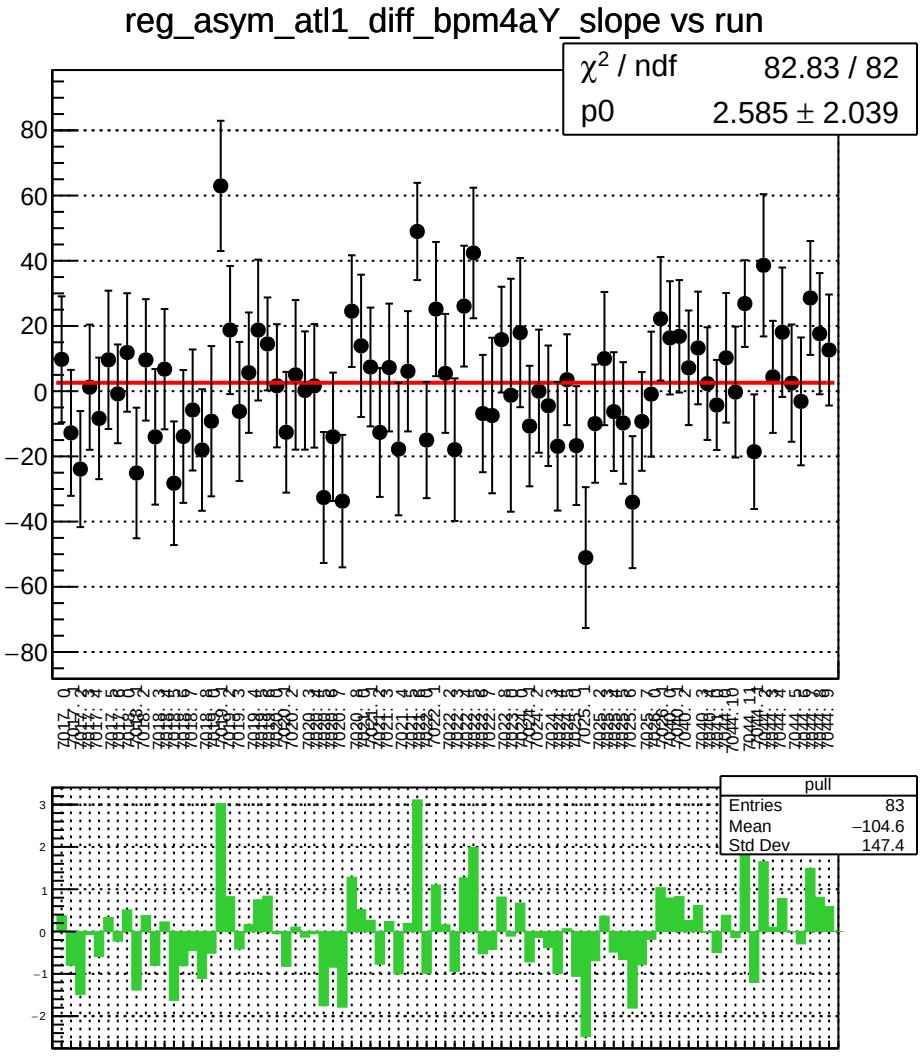

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.747 / 82
p0 35.59 ± 0.4833
pull
Entries 83
Mean −116
Std Dev 178.2

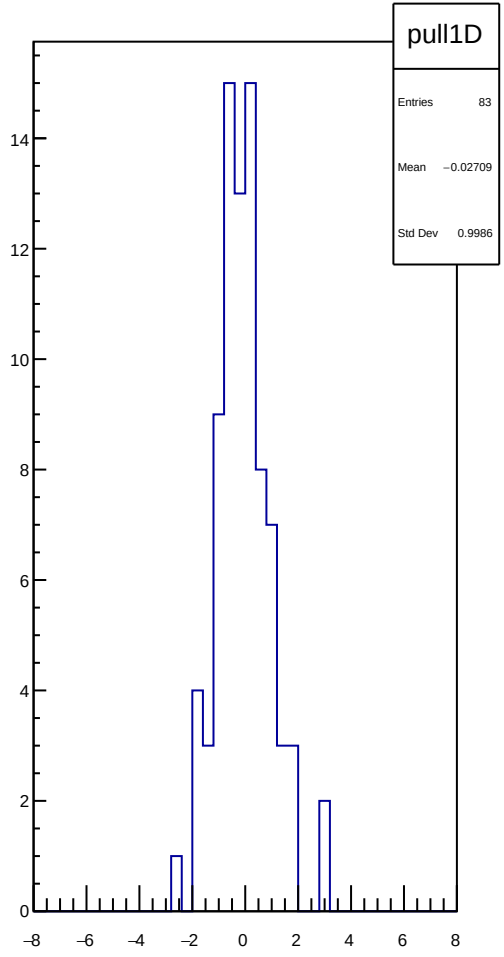

pull1D
Entries 83
Mean −0.00767
Std Dev 0.239

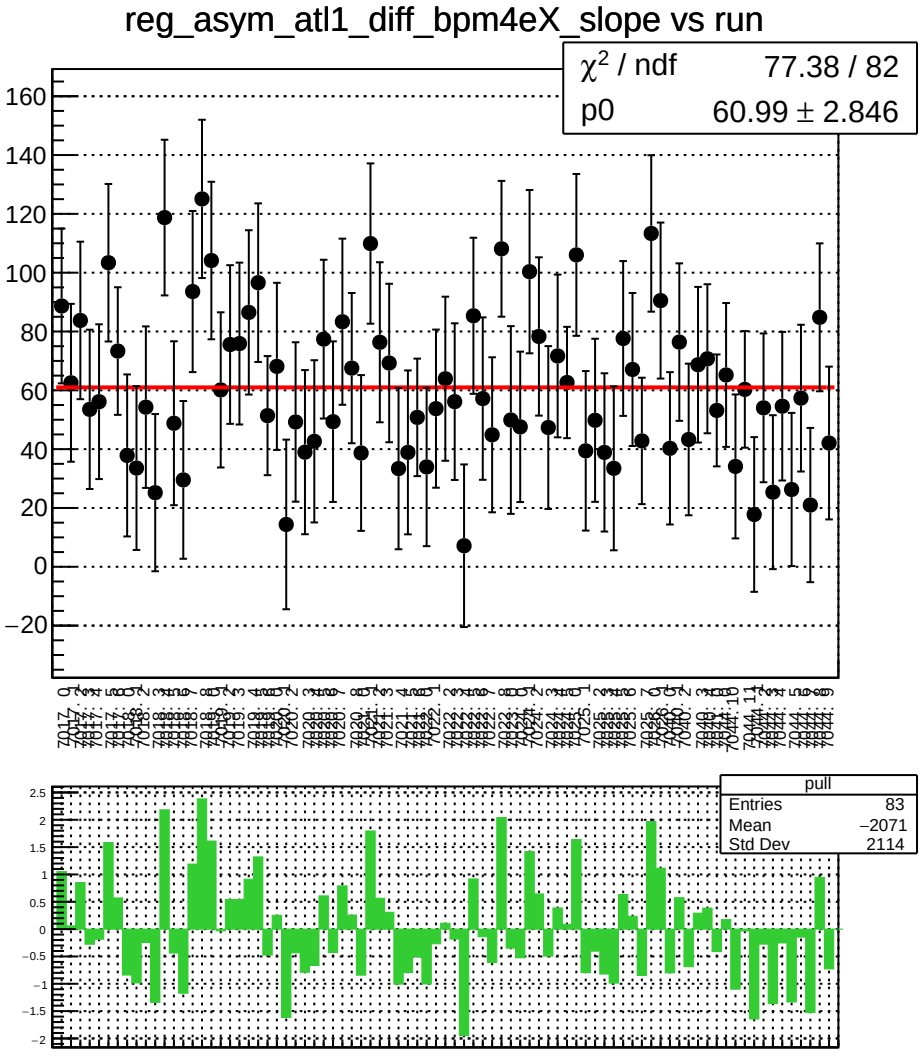

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 7.332 / 82
p0 0.1175 ± 0.02275
pull
Entries 83
Mean −793
Std Dev 844.7

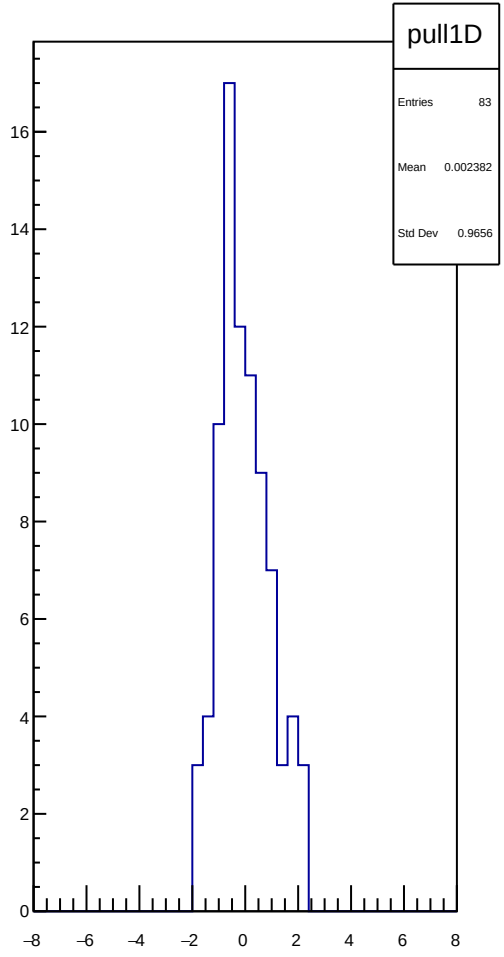

pull1D
Entries 83
Mean −0.004991
Std Dev 0.2972

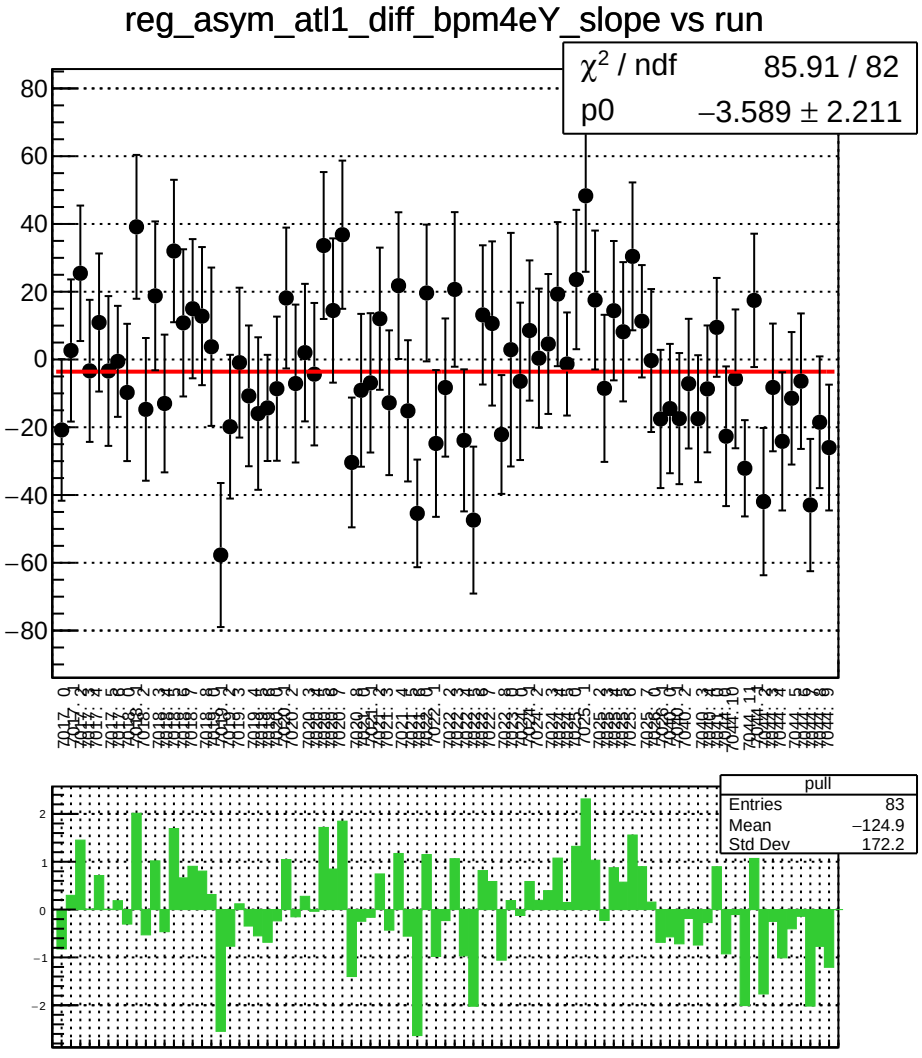

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 76.83 / 82
p0 −23.8 ± 3.058
pull
Entries 83
Mean −3963
Std Dev 4006
pull1D
Entries 83
Mean −0.001212
Std Dev 0.9621

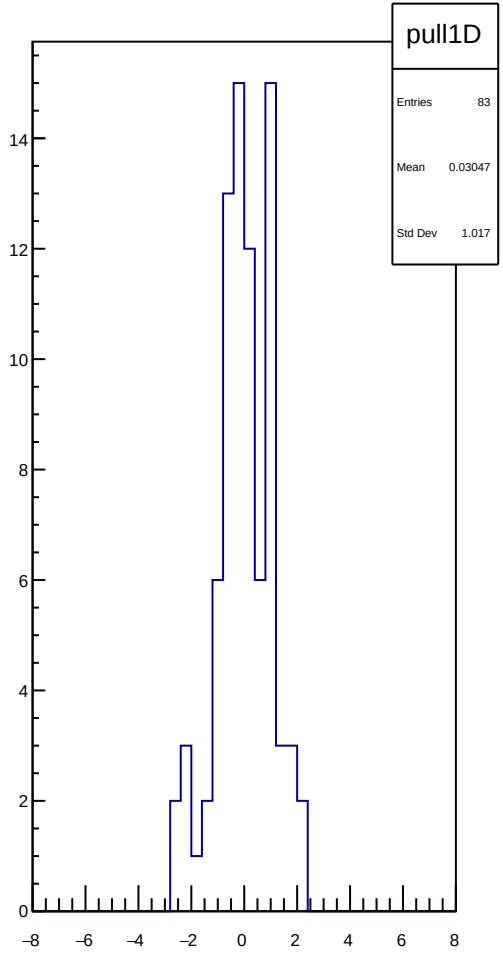

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 82.83 / 82
p0 2.585 ± 2.039
pull
Entries 83
Mean −104.6
Std Dev 147.4

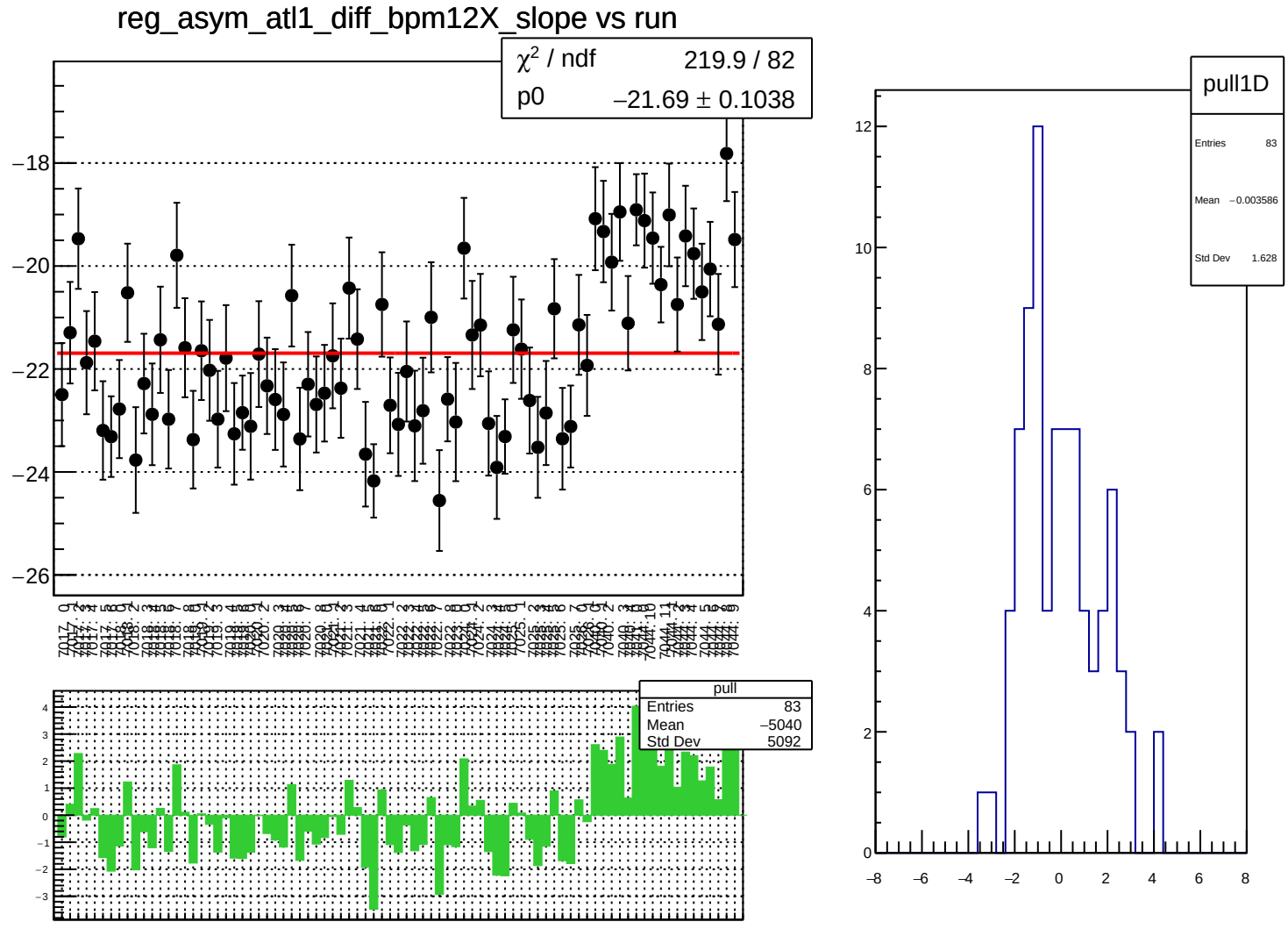

pull1D
Entries 83
Mean −0.02709
Std Dev 0.9986

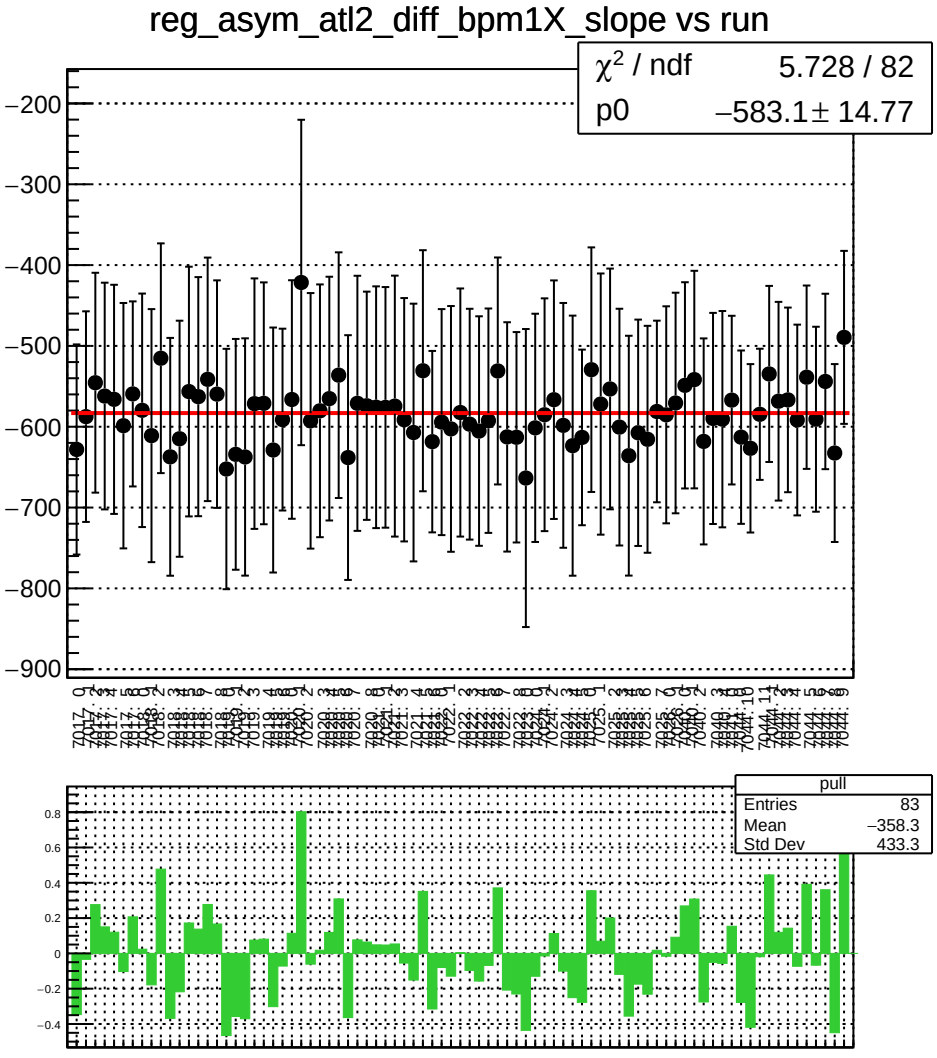

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.38 / 82
p0 60.99 ± 2.846
pull
Entries 83
Mean −2071
Std Dev 2114

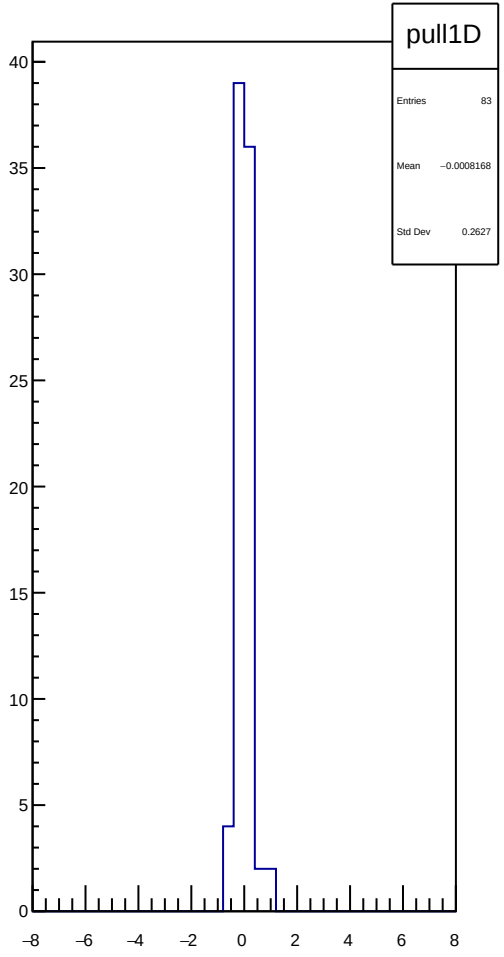

pull1D
Entries 83
Mean 0.002382
Std Dev 0.9656

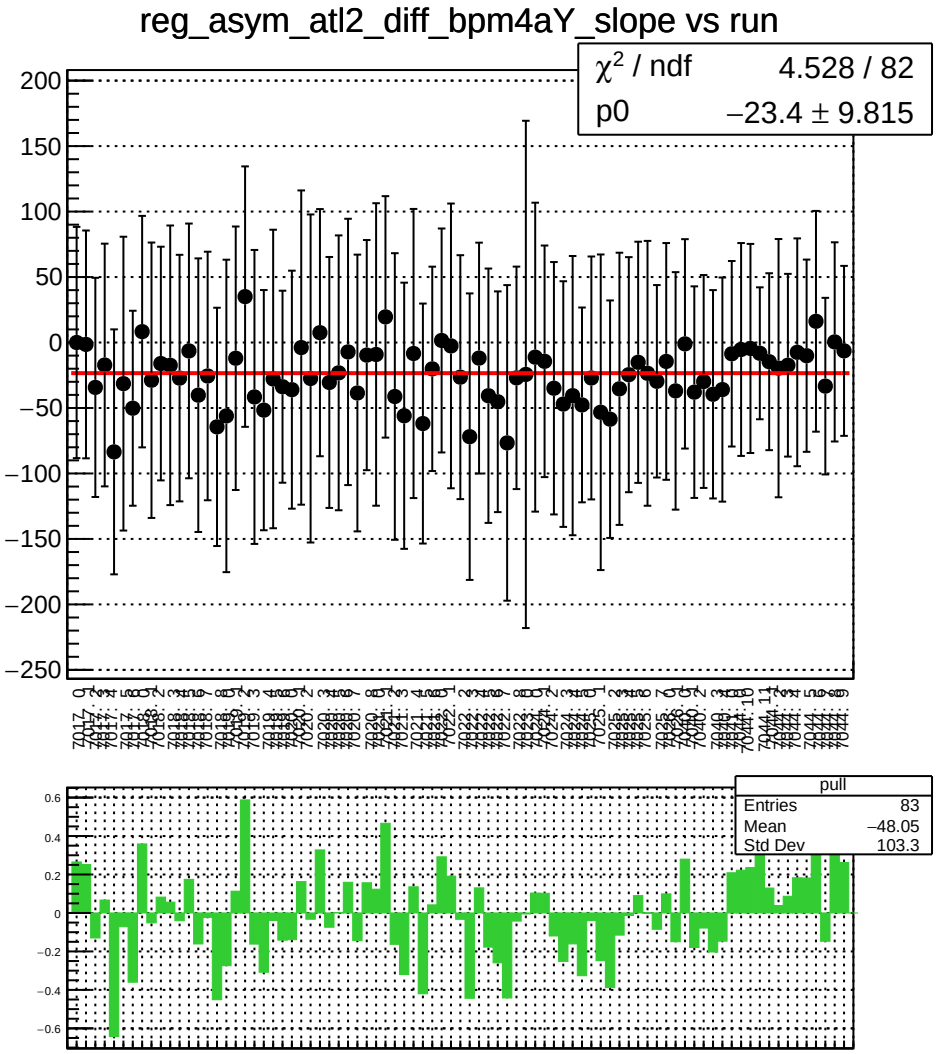

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 85.91 / 82
p0 −3.589 ± 2.211
pull
Entries 83
Mean −124.9
Std Dev 172.2

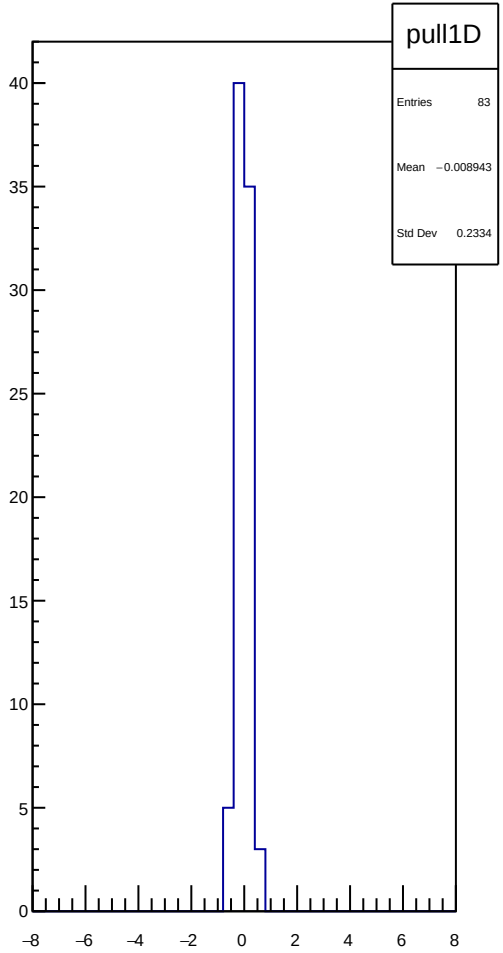

pull1D
Entries 83
Mean 0.03047
Std Dev 1.017

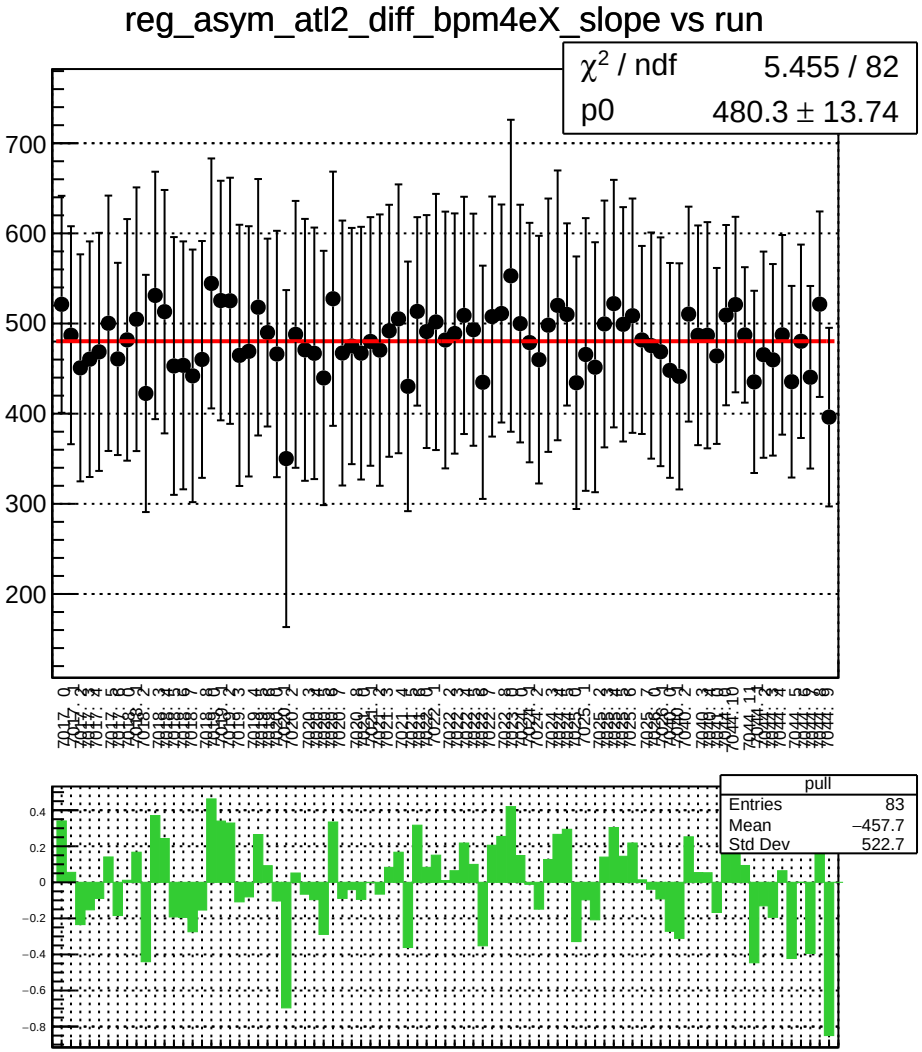

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 219.9 / 82
p0 −21.69 ± 0.1038
pull
Entries 83
Mean −5040
Std Dev 5092
pull1D
Entries 83
Mean −0.003586
Std Dev 1.628

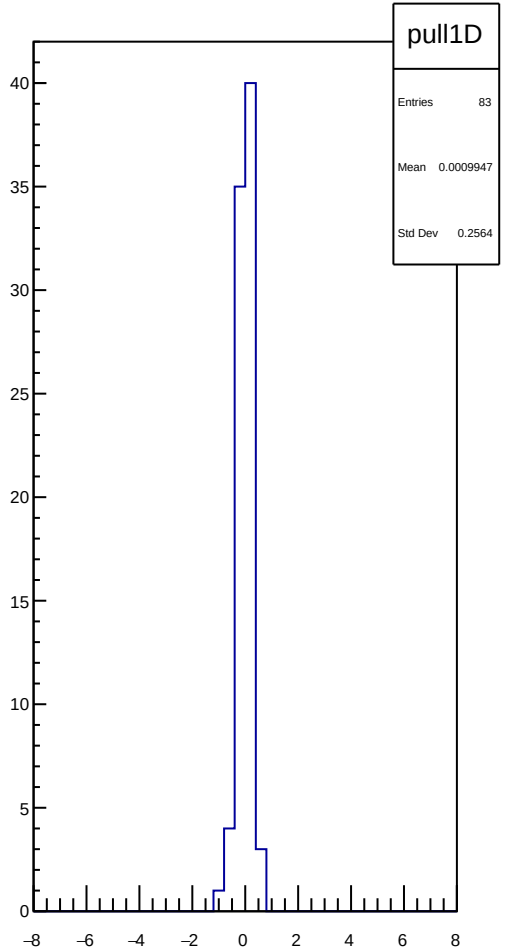

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 5.728 / 82
p0 −583.1 ± 14.77
pull
Entries 83
Mean −358.3
Std Dev 433.3

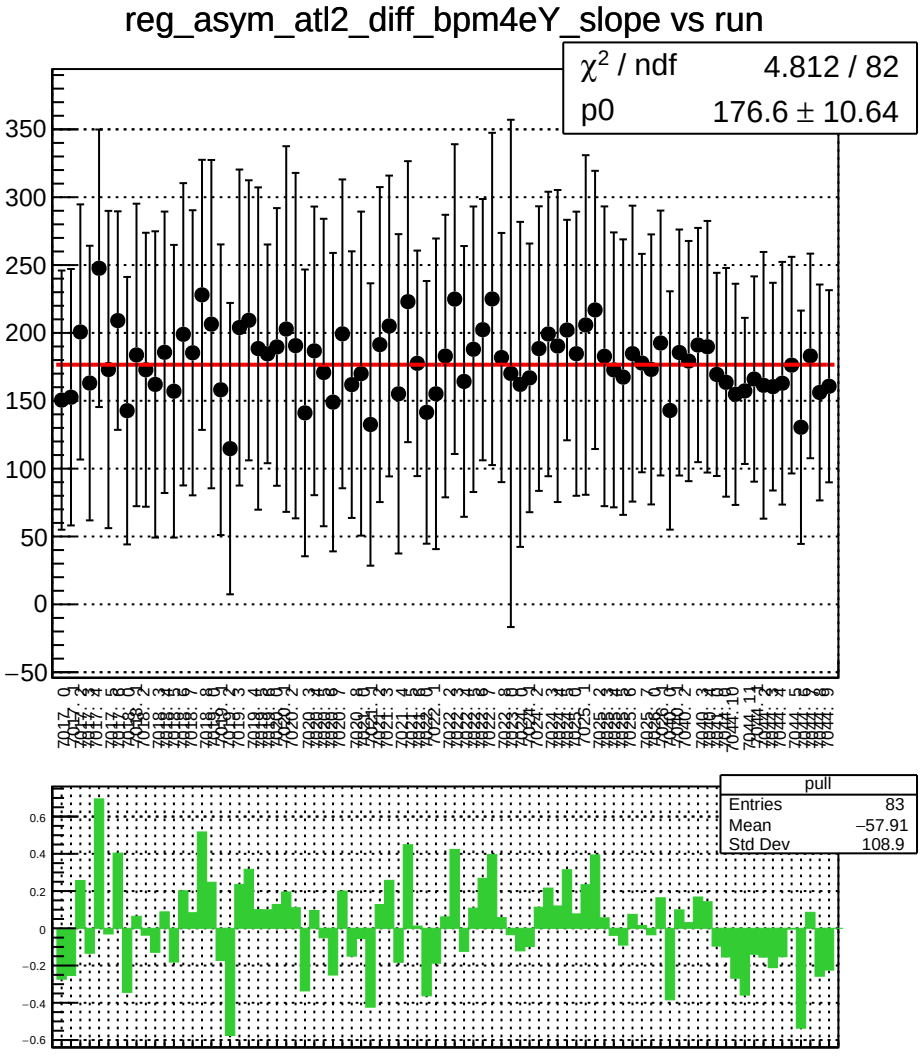

pull1D
Entries 83
Mean −0.0008168
Std Dev 0.2627

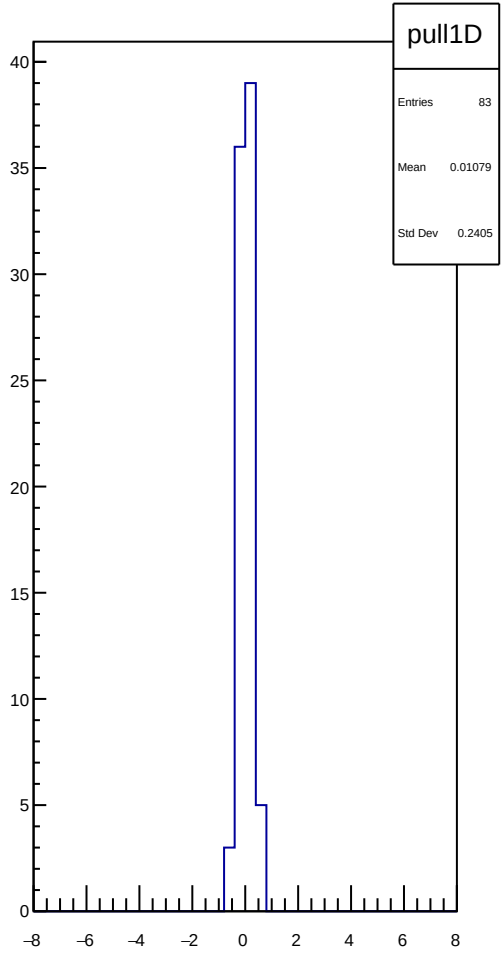

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.528 / 82
p0 −23.4 ± 9.815
pull
Entries 83
Mean −48.05
Std Dev 103.3

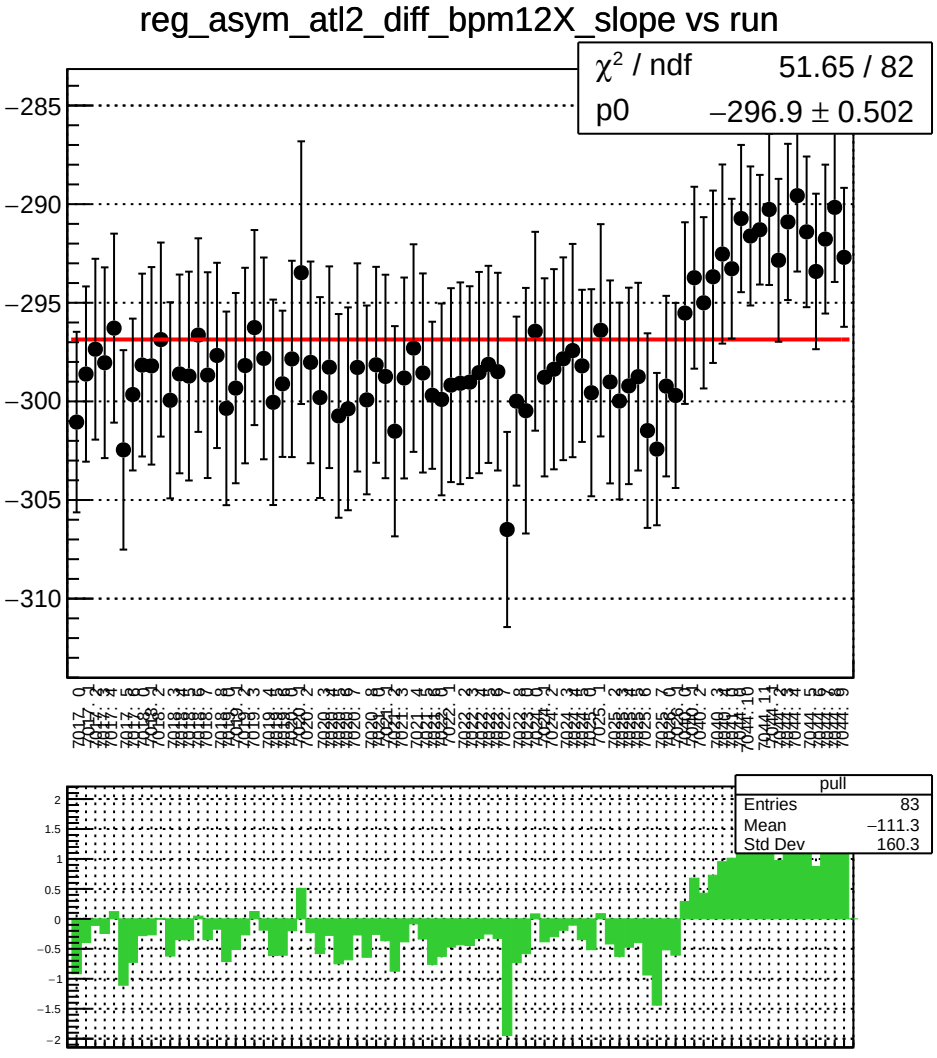

pull1D
Entries 83
Mean −0.008943
Std Dev 0.2334

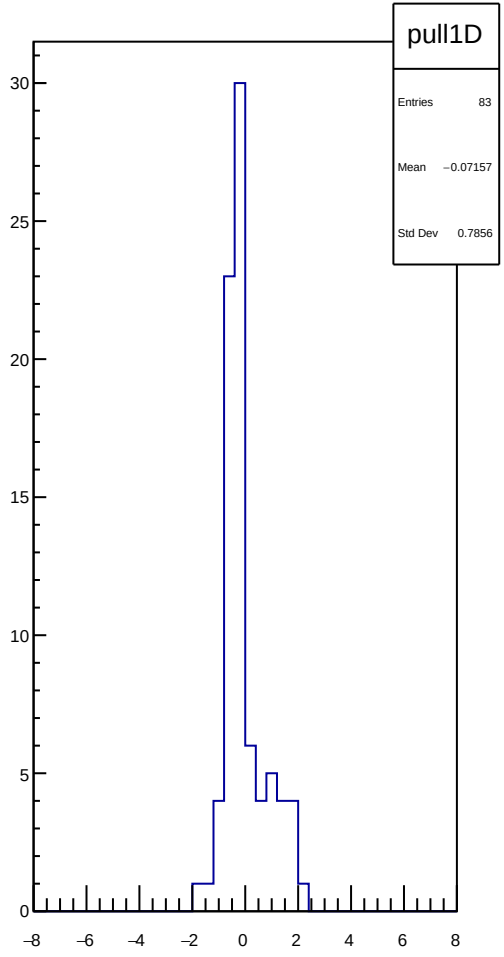

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 5.455 / 82
p0 480.3 ± 13.74
700
600
500
400
300
200
pull
Entries 83
Mean −457.7
Std Dev 522.7
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

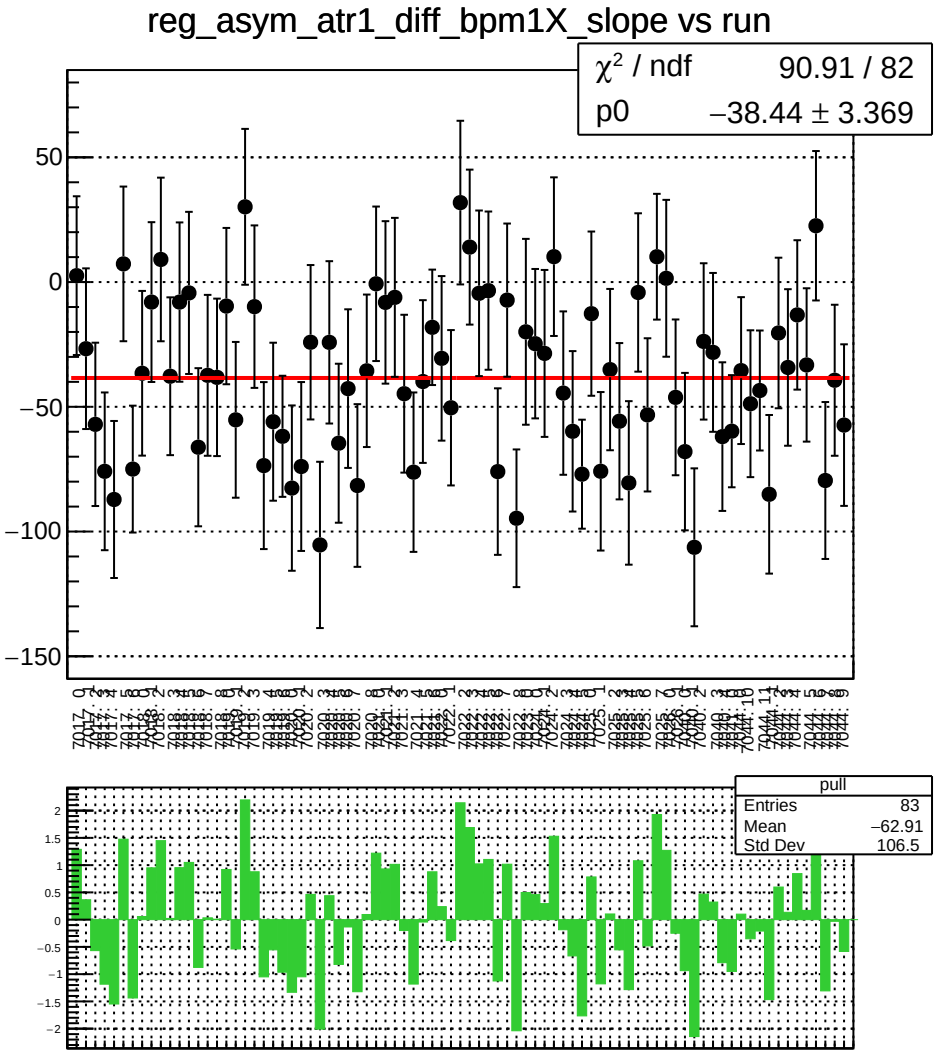

pull1D
Entries 83
Mean 0.0009947
Std Dev 0.2564
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

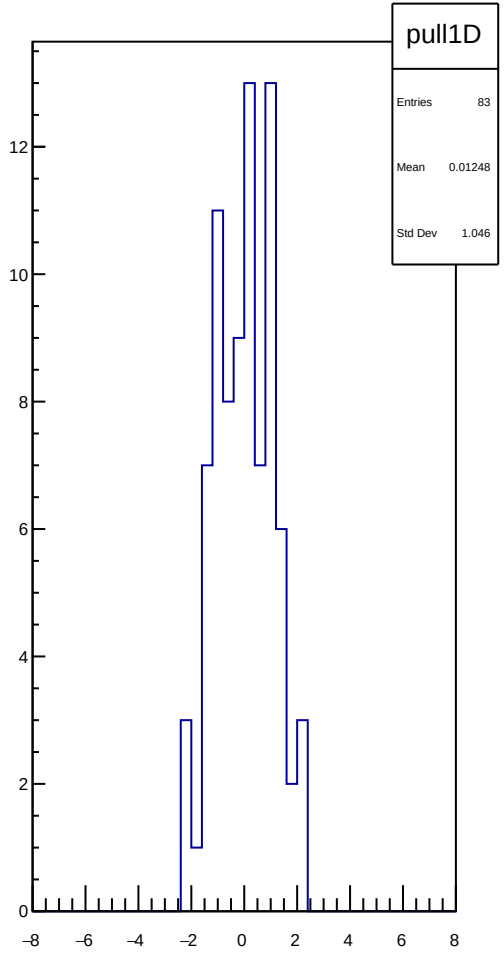

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.812 / 82
p0 176.6 ± 10.64
pull
Entries 83
Mean −57.91
Std Dev 108.9

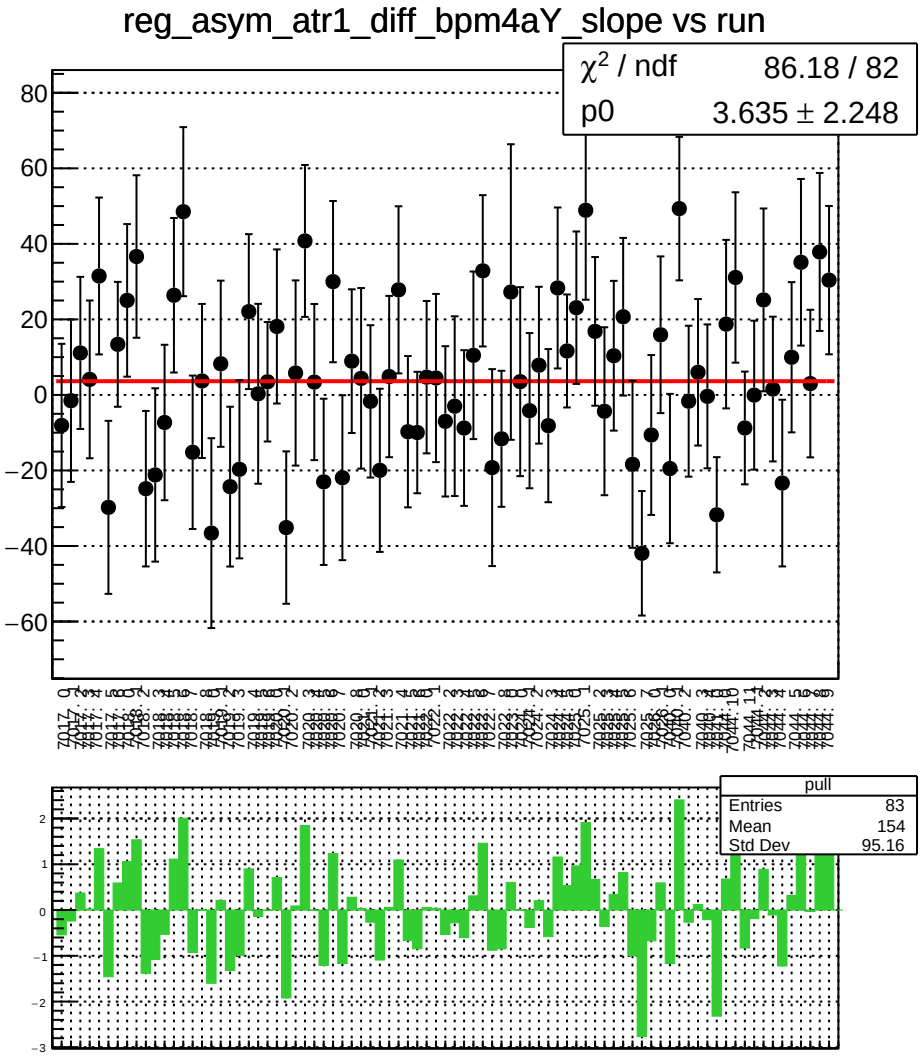

pull1D
Entries 83
Mean 0.01079
Std Dev 0.2405

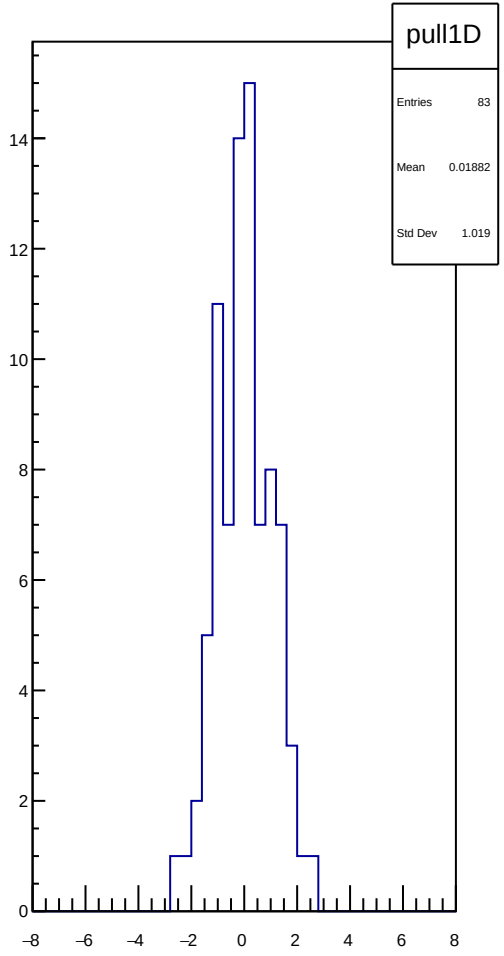

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 51.65 / 82
p0 −296.9 ± 0.502
pull
Entries 83
Mean −111.3
Std Dev 160.3

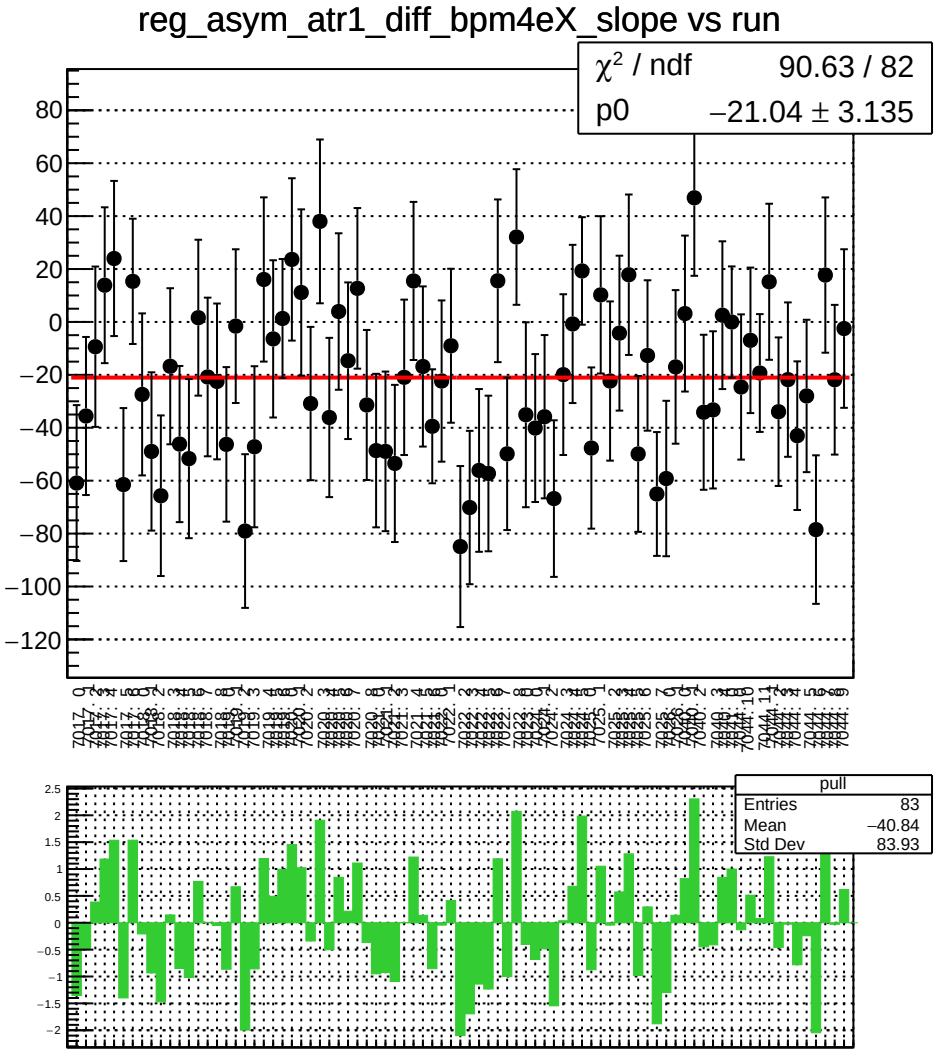

pull1D
Entries 83
Mean −0.07157
Std Dev 0.7856

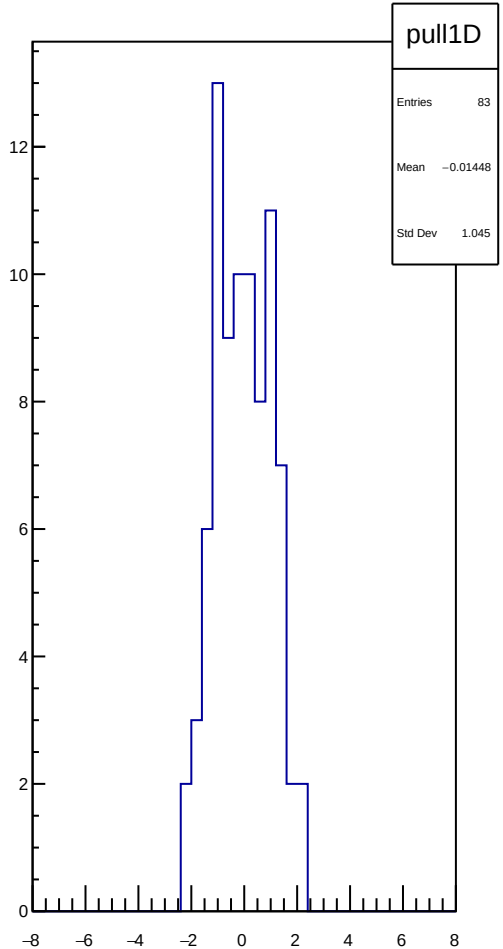

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 90.91 / 82
p0 −38.44 ± 3.369
50
0
−50
−100
−150
pull
Entries 83
Mean −62.91
Std Dev 106.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

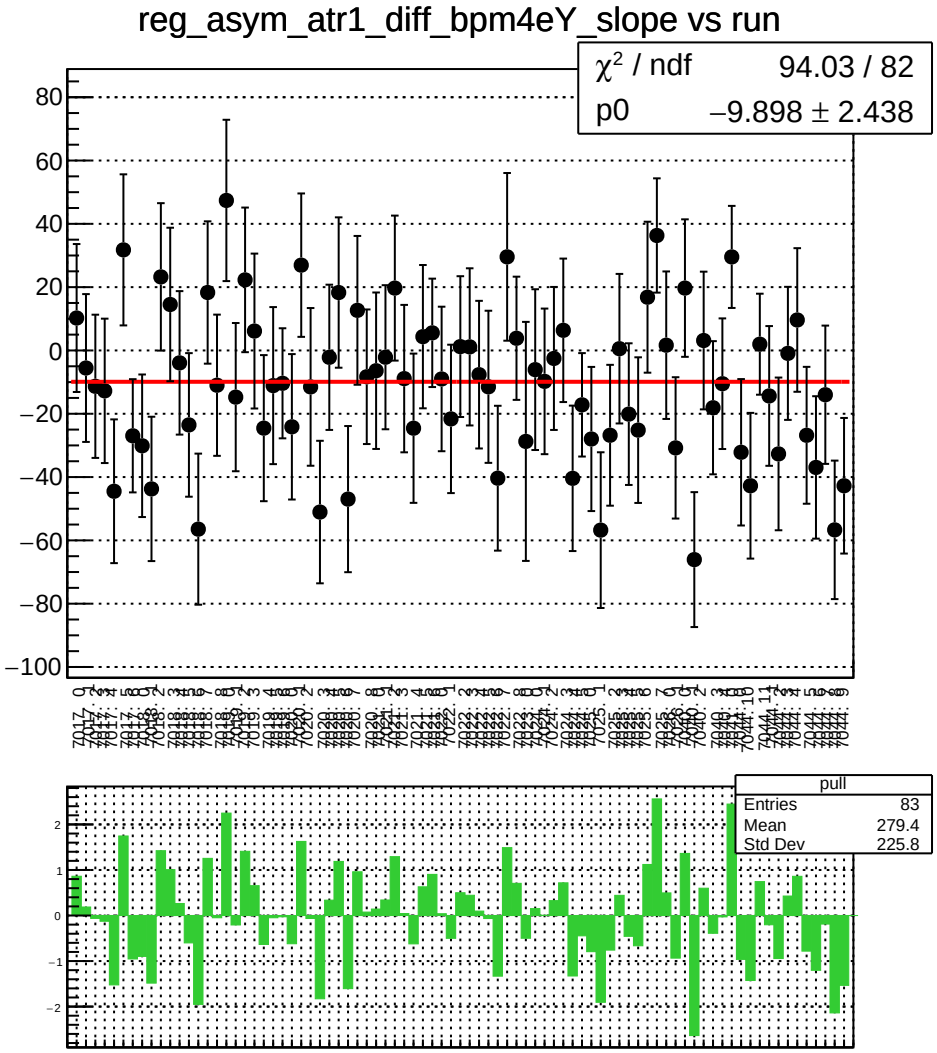

pull1D
Entries 83
Mean 0.01248
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

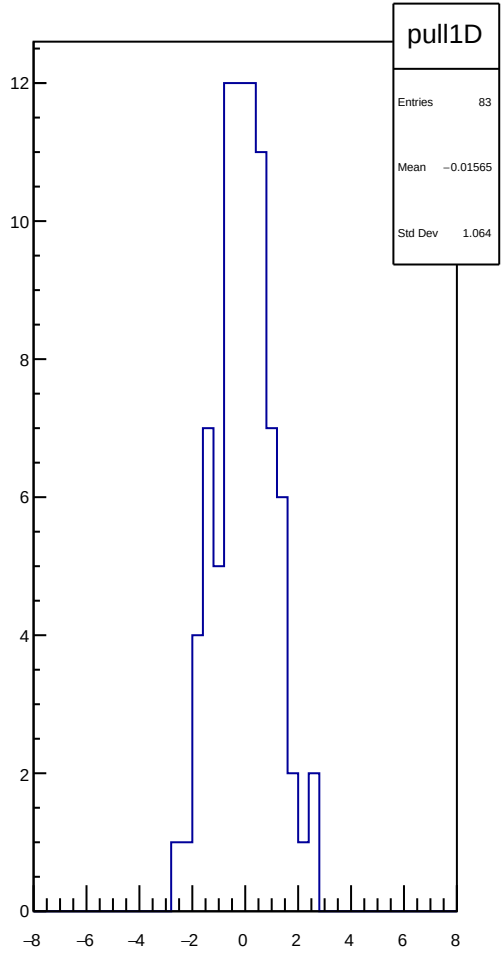

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 86.18 / 82
p0 3.635 ± 2.248
pull
Entries 83
Mean 154
Std Dev 95.16

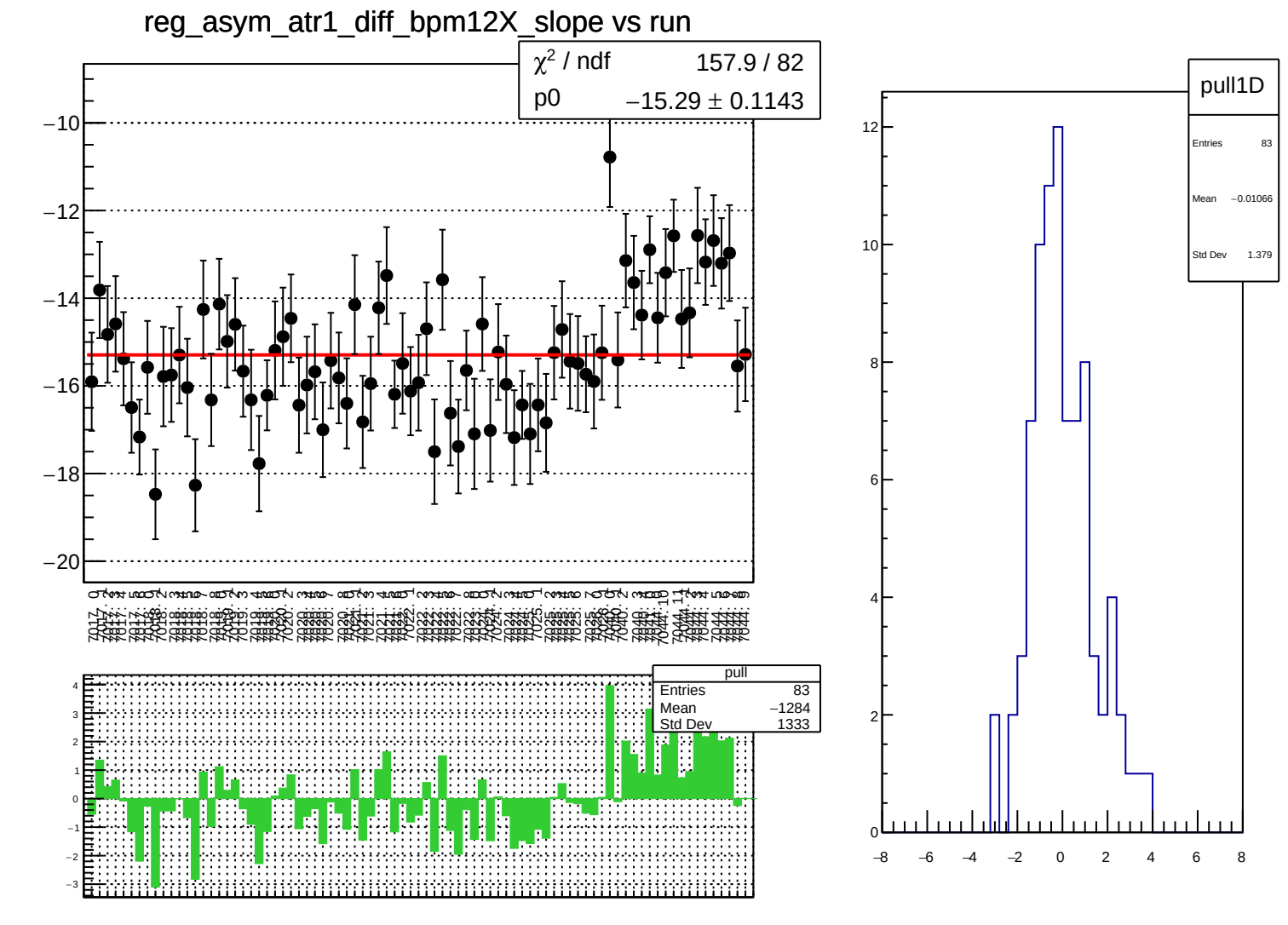

pull1D
Entries 83
Mean 0.01882
Std Dev 1.019

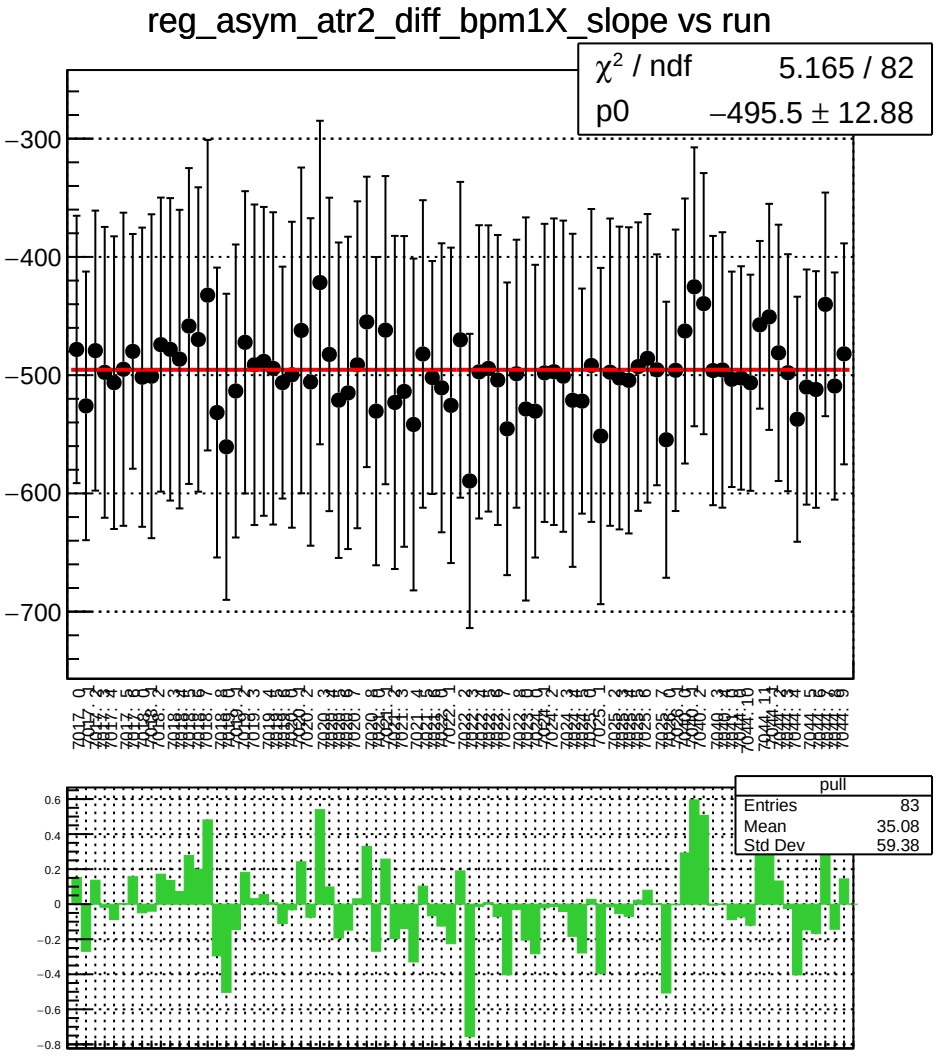

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 90.63 / 82
p0 −21.04 ± 3.135
pull
Entries 83
Mean −40.84
Std Dev 83.93

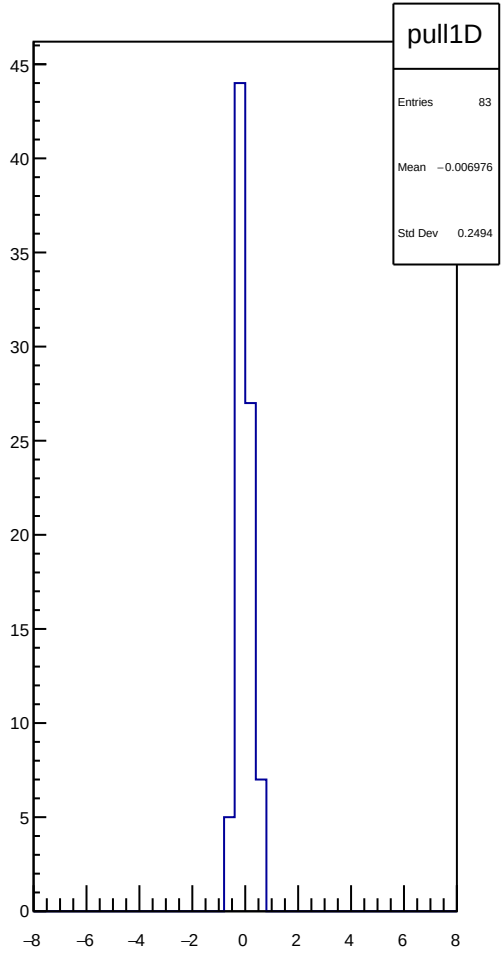

pull1D
Entries 83
Mean −0.01448
Std Dev 1.045

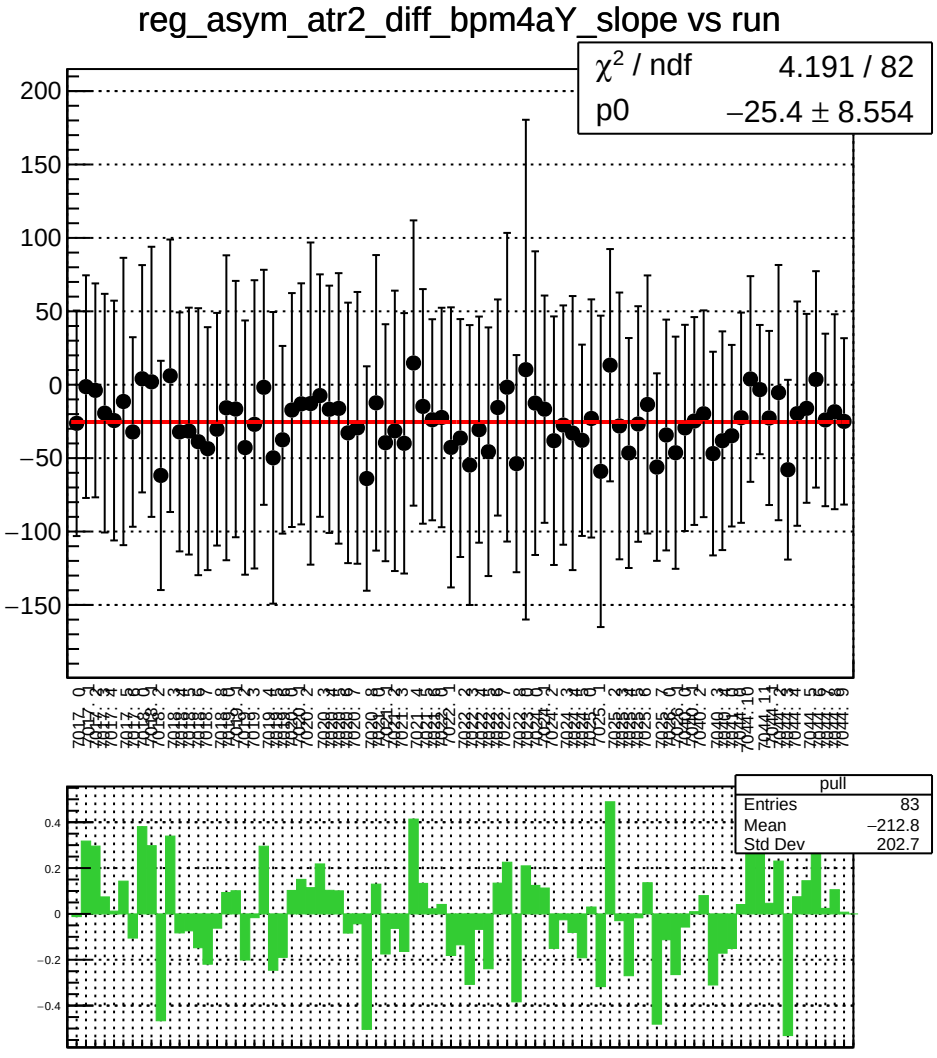

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 94.03 / 82
p0 −9.898 ± 2.438
pull
Entries 83
Mean 279.4
Std Dev 225.8

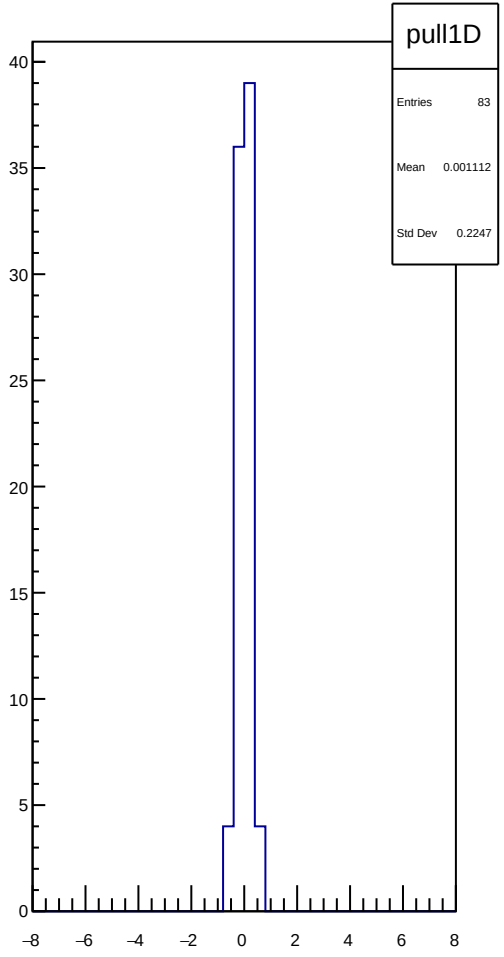

pull1D
Entries 83
Mean −0.01565
Std Dev 1.064

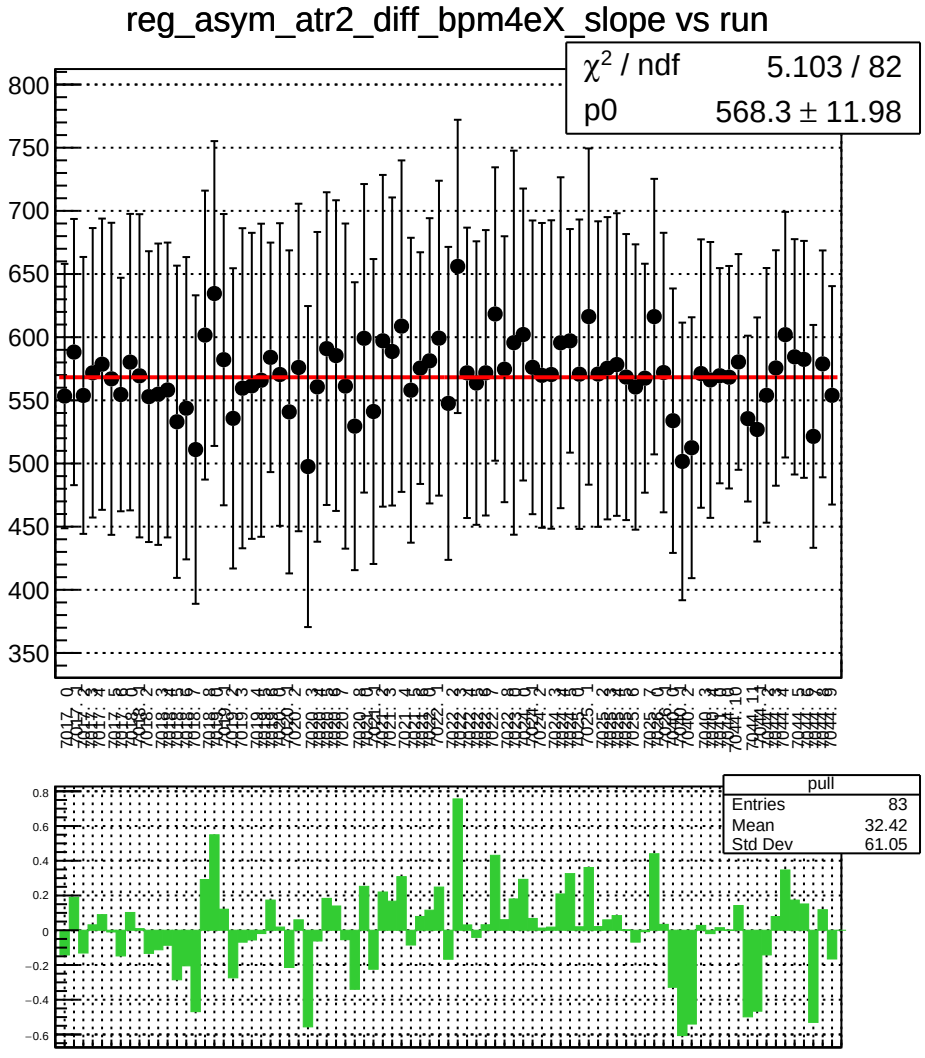

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 157.9 / 82
p0 −15.29 ± 0.1143
pull
Entries 83
Mean −1284
Std Dev 1333
pull1D
Entries 83
Mean −0.01066
Std Dev 1.379

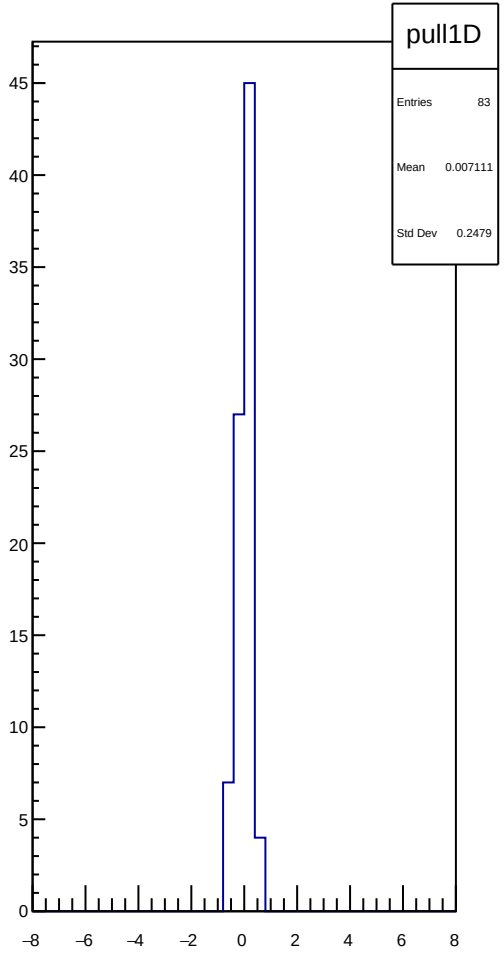

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 5.165 / 82
p0 −495.5 ± 12.88
pull
Entries 83
Mean 35.08
Std Dev 59.38

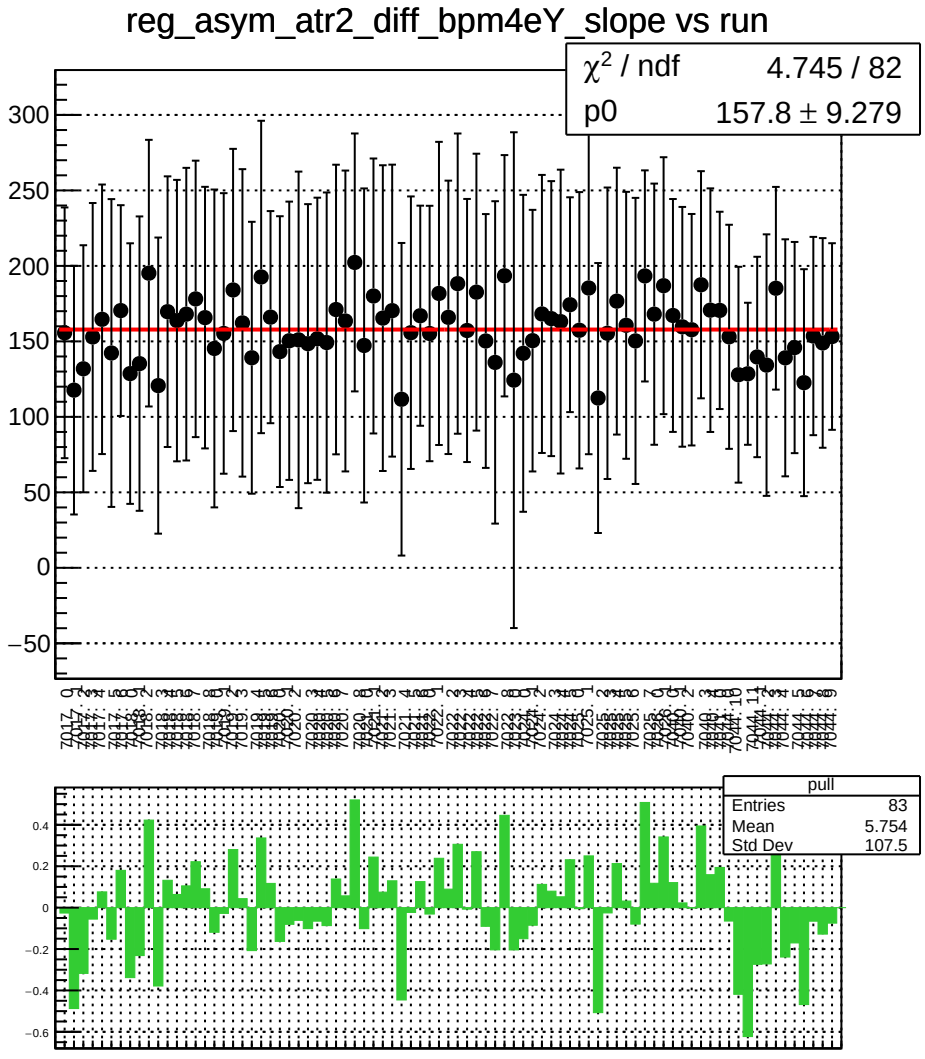

pull1D
Entries 83
Mean −0.006976
Std Dev 0.2494

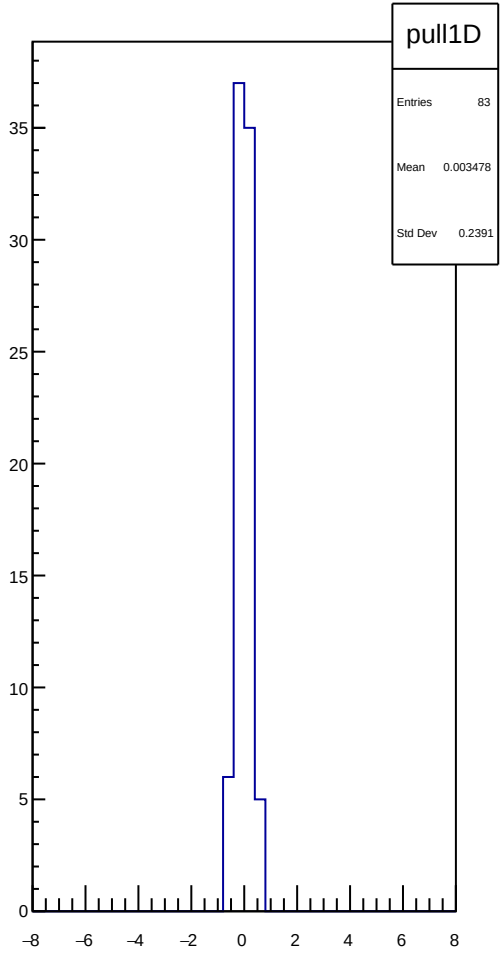

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.191 / 82
p0 −25.4 ± 8.554
pull
Entries 83
Mean −212.8
Std Dev 202.7

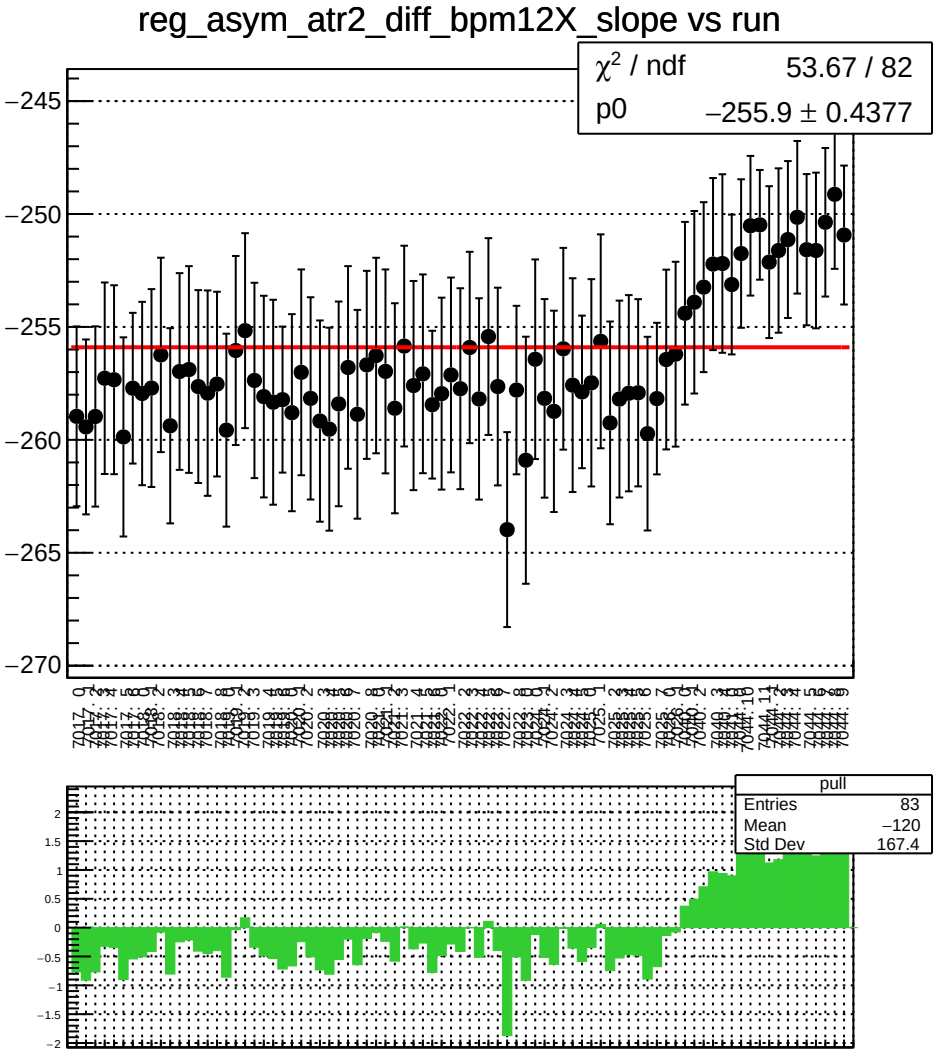

pull1D
Entries 83
Mean 0.001112
Std Dev 0.2247

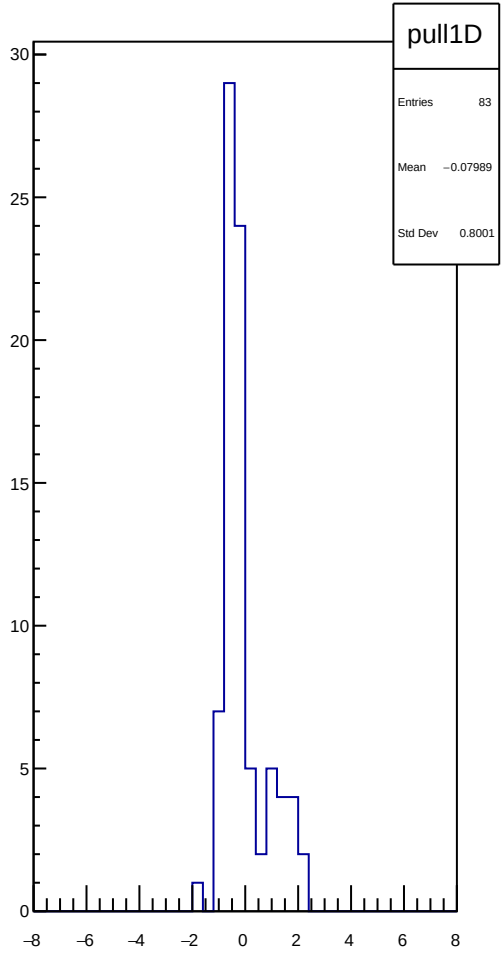

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 5.103 / 82
p0 568.3 ± 11.98
pull
Entries 83
Mean 32.42
Std Dev 61.05

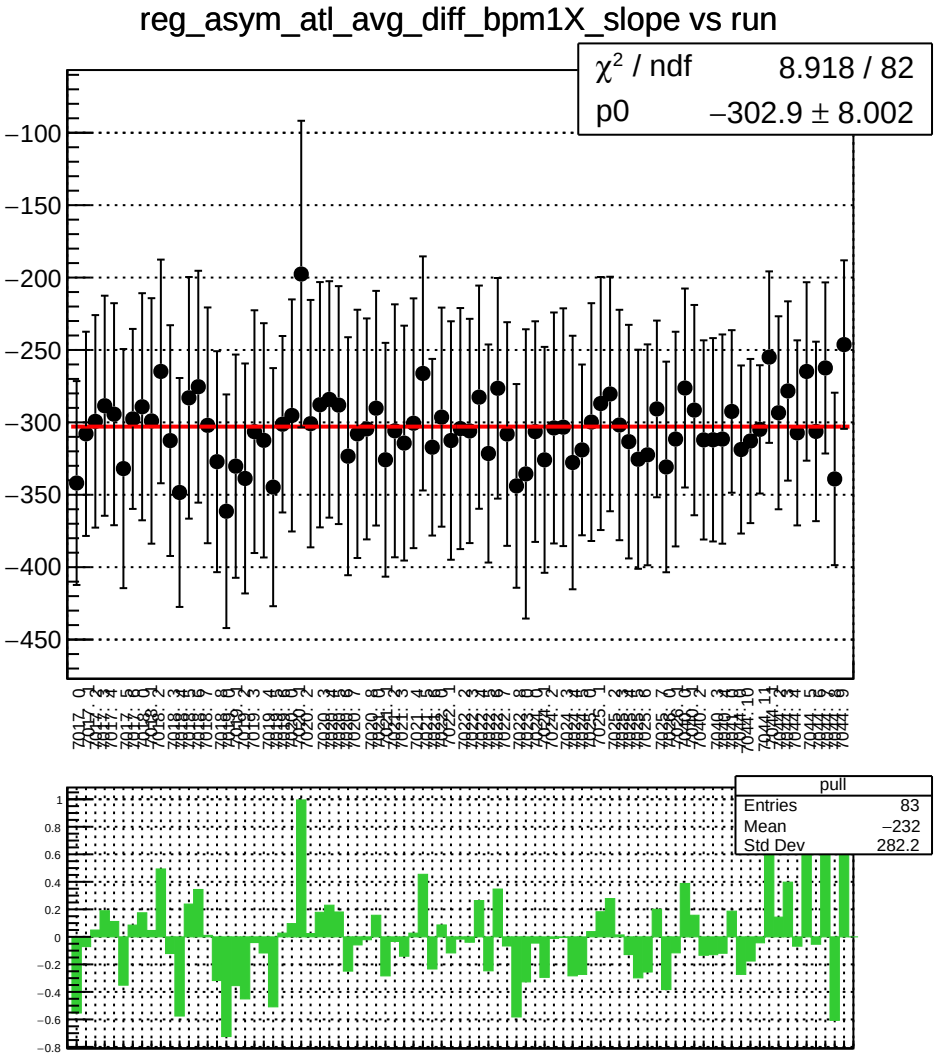

pull1D
Entries 83
Mean 0.007111
Std Dev 0.2479

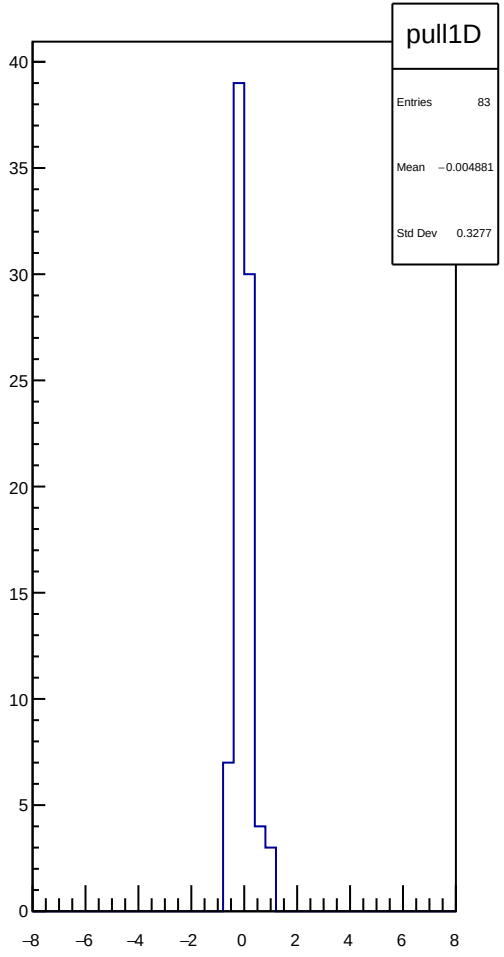

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 4.745 / 82
p0 157.8 ± 9.279
pull
Entries 83
Mean 5.754
Std Dev 107.5

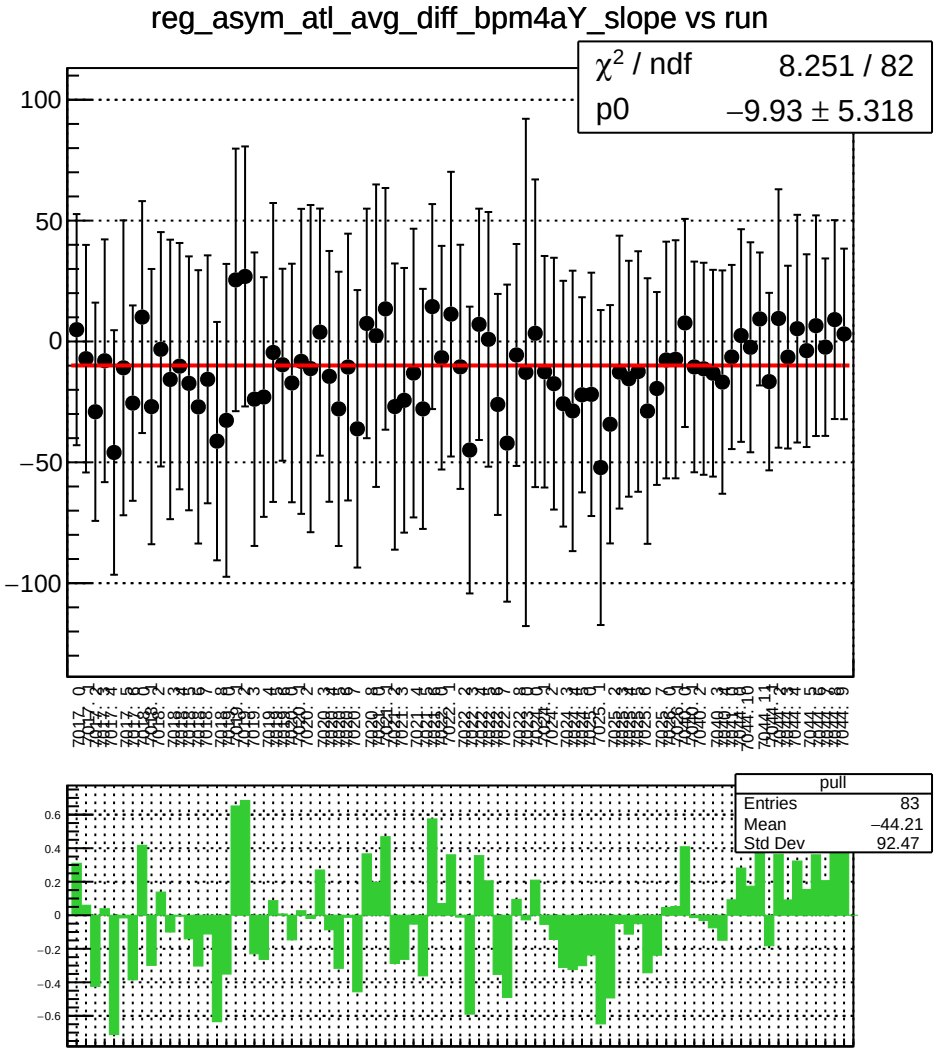

pull1D
Entries 83
Mean 0.003478
Std Dev 0.2391

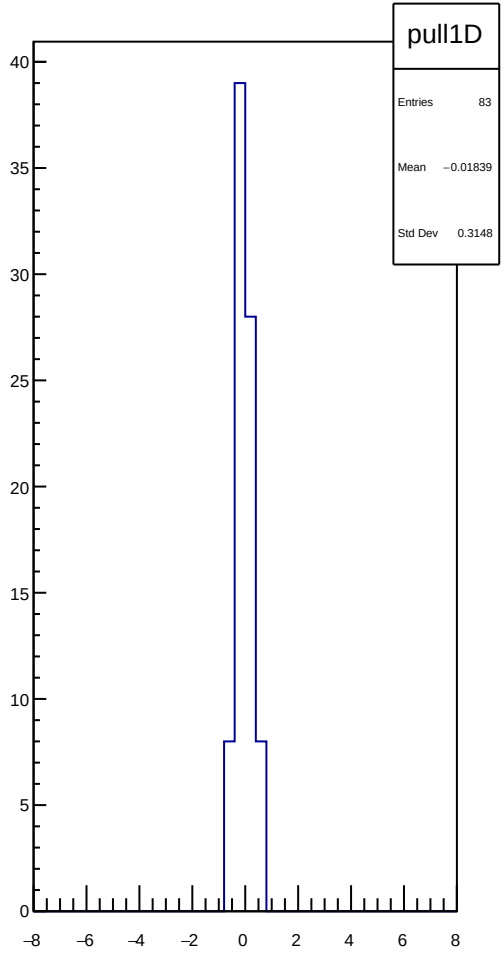

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 53.67 / 82
p0 −255.9 ± 0.4377
pull
Entries 83
Mean −120
Std Dev 167.4

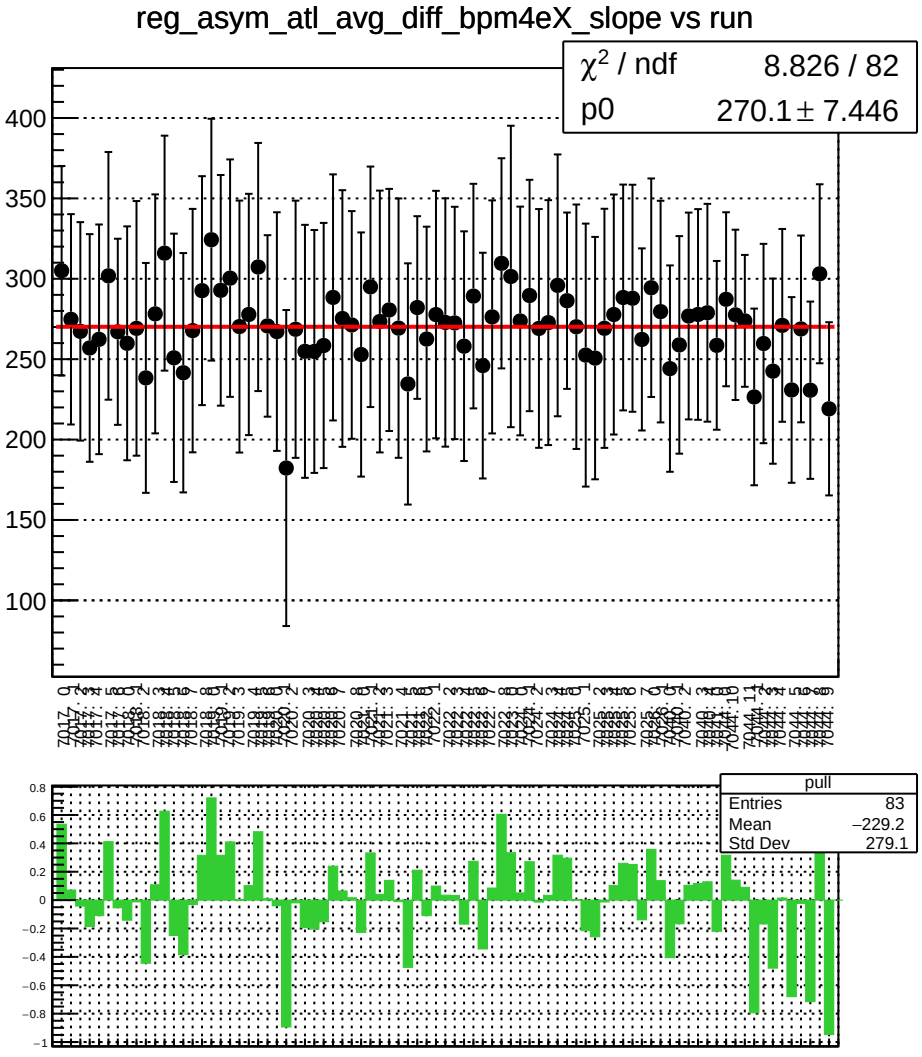

pull1D
Entries 83
Mean −0.07989
Std Dev 0.8001

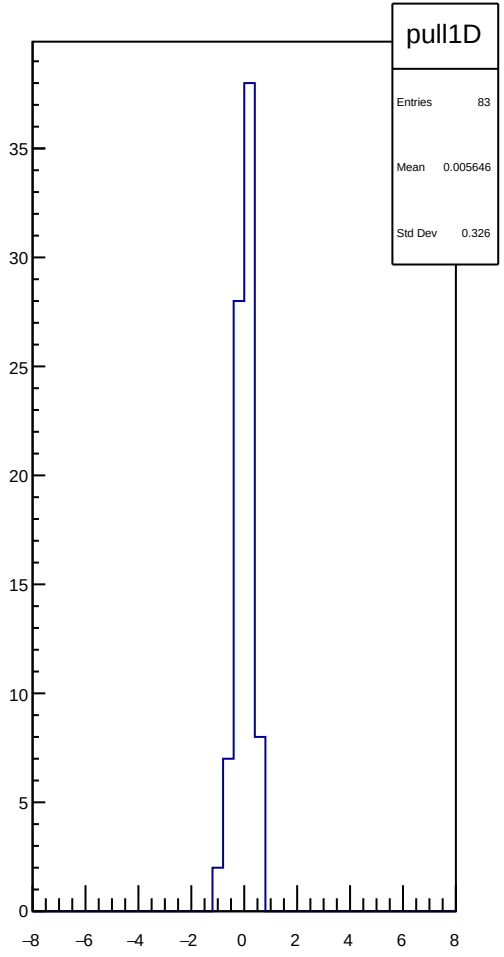

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.918 / 82
p0 −302.9 ± 8.002
pull
Entries 83
Mean −232
Std Dev 282.2

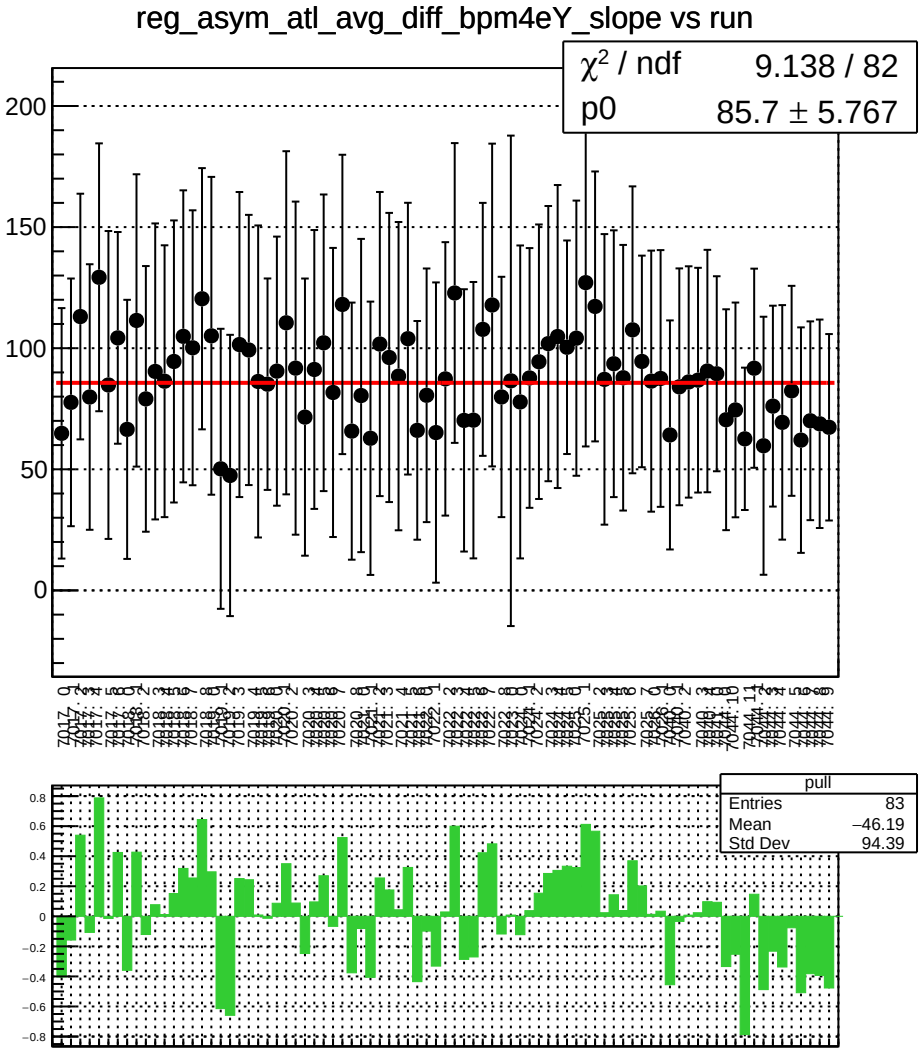

pull1D
Entries 83
Mean −0.004881
Std Dev 0.3277

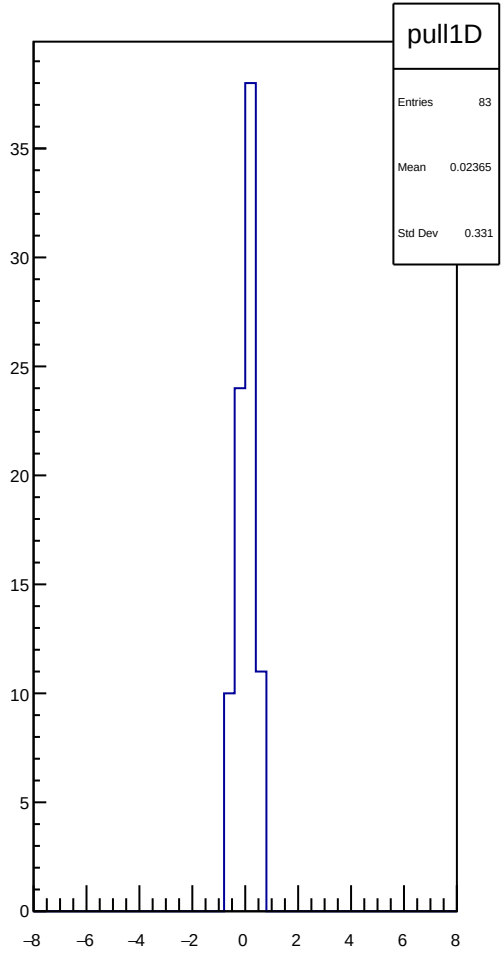

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 8.251 / 82
p0 −9.93 ± 5.318
pull
Entries 83
Mean −44.21
Std Dev 92.47

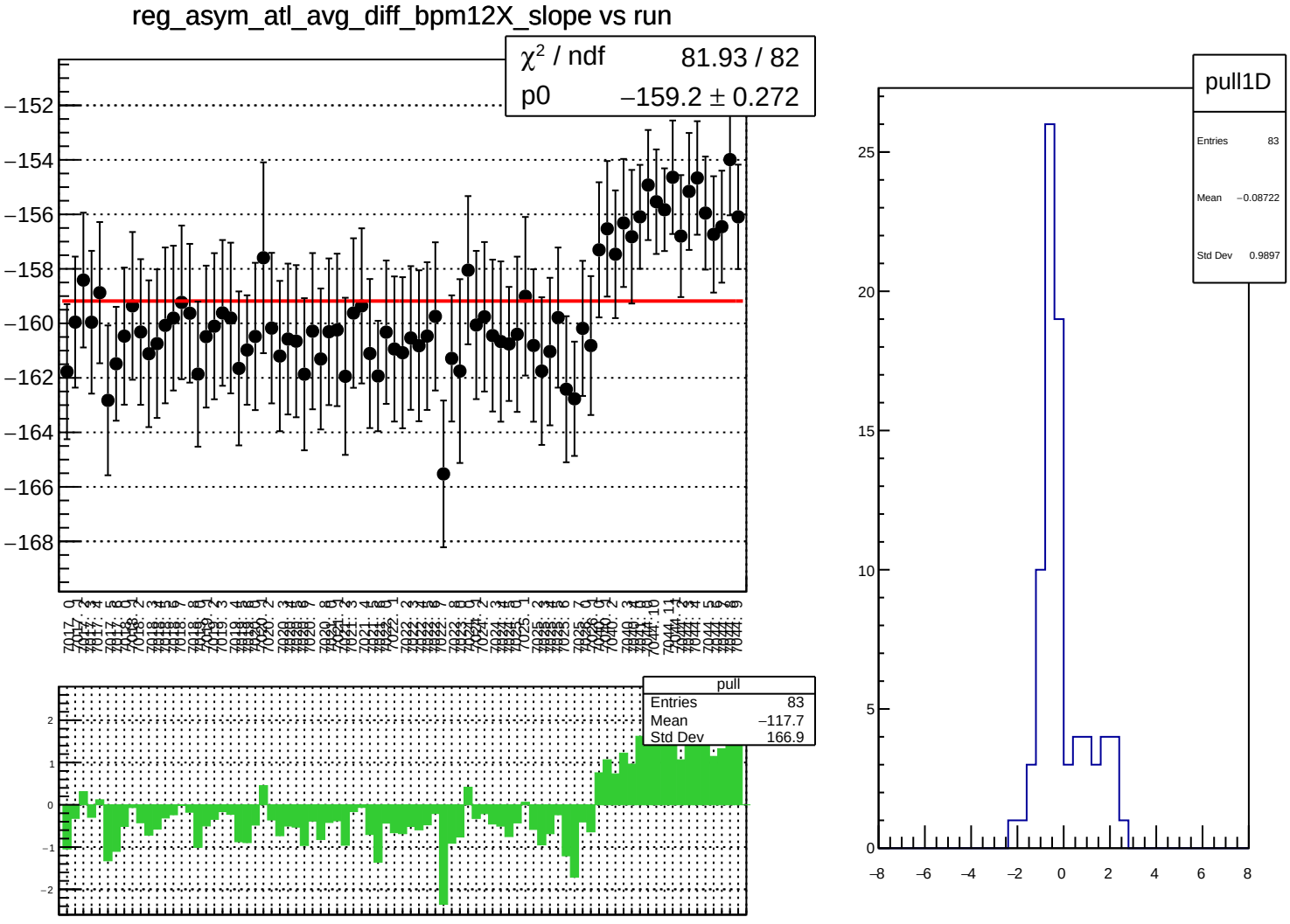

pull1D
Entries 83
Mean −0.01839
Std Dev 0.3148

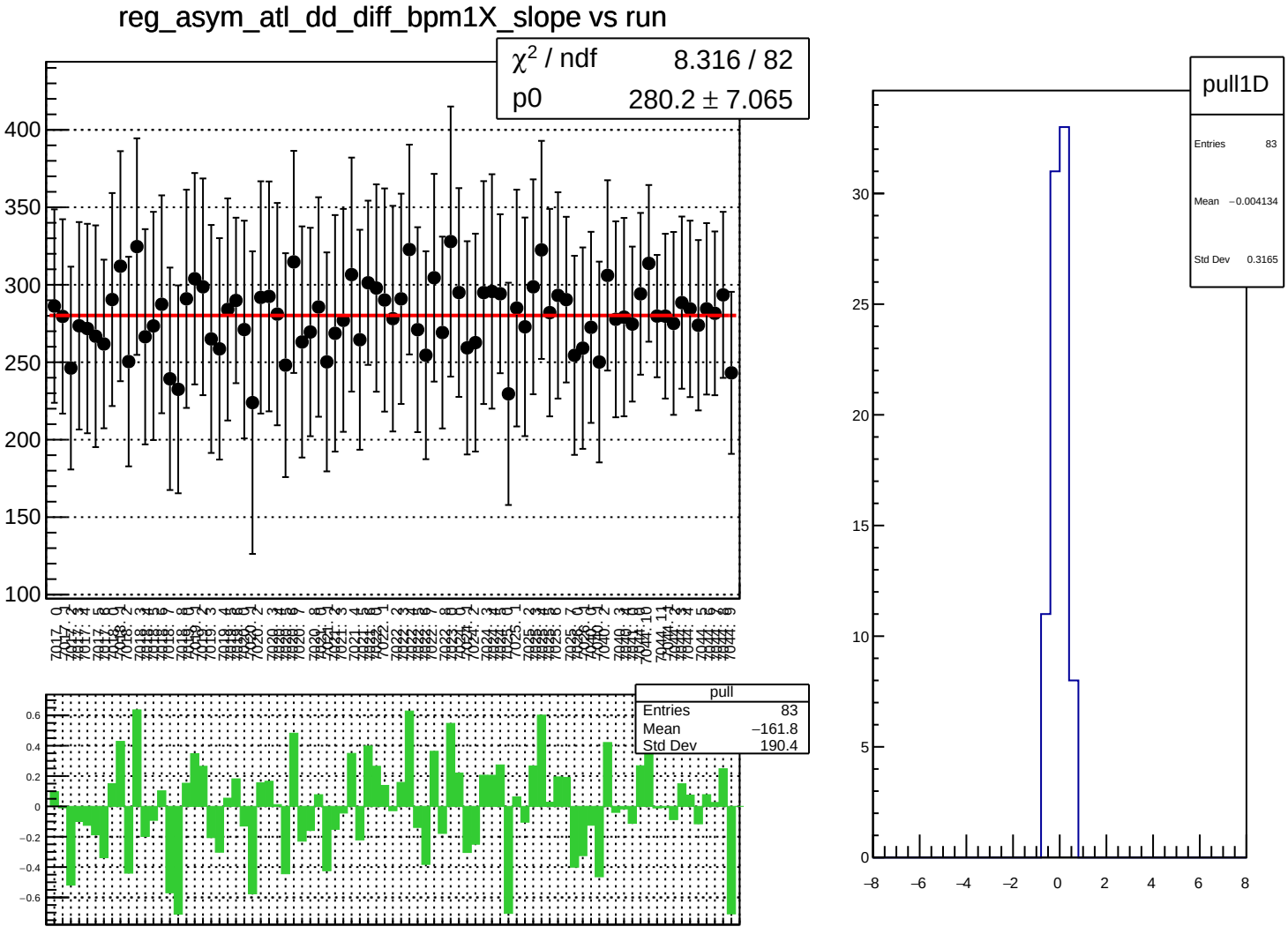

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 8.826 / 82
p0 270.1 ± 7.446
pull
Entries 83
Mean −229.2
Std Dev 279.1

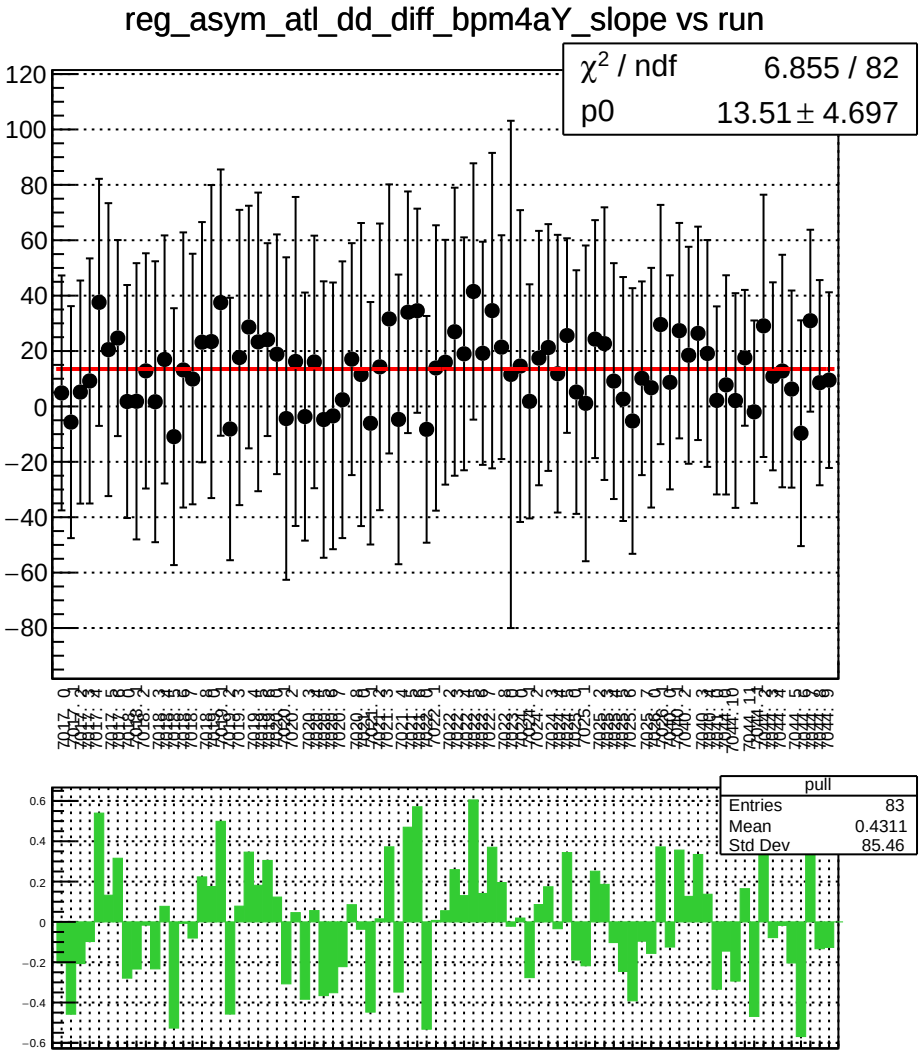

pull1D
Entries 83
Mean 0.005646
Std Dev 0.326

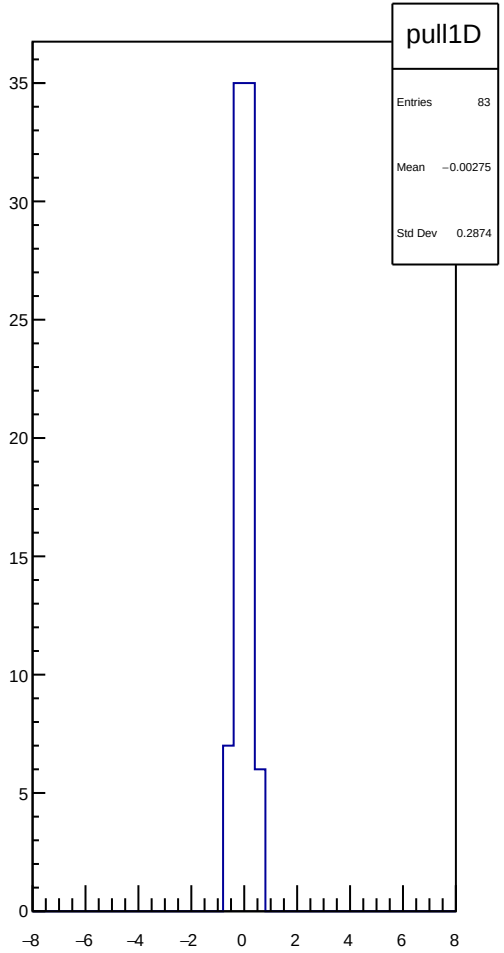

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.138 / 82
p0 85.7 ± 5.767
pull
Entries 83
Mean −46.19
Std Dev 94.39

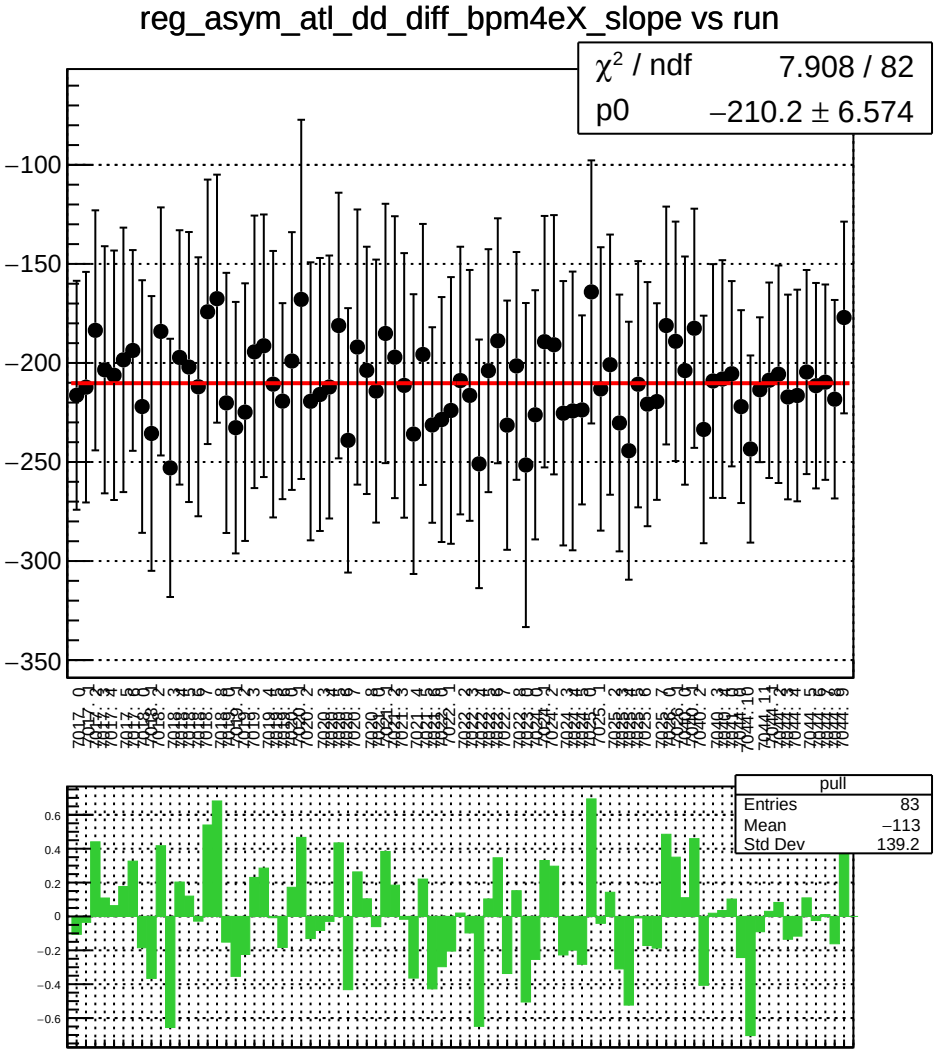

pull1D
Entries 83
Mean 0.02365
Std Dev 0.331

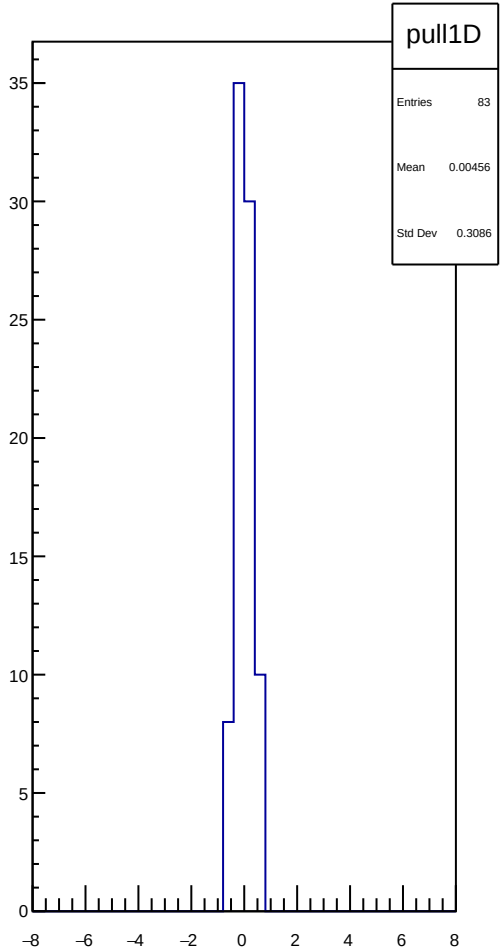

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 81.93 / 82
p0 −159.2 ± 0.272
pull
Entries 83
Mean −117.7
Std Dev 166.9
pull1D
Entries 83
Mean −0.08722
Std Dev 0.9897

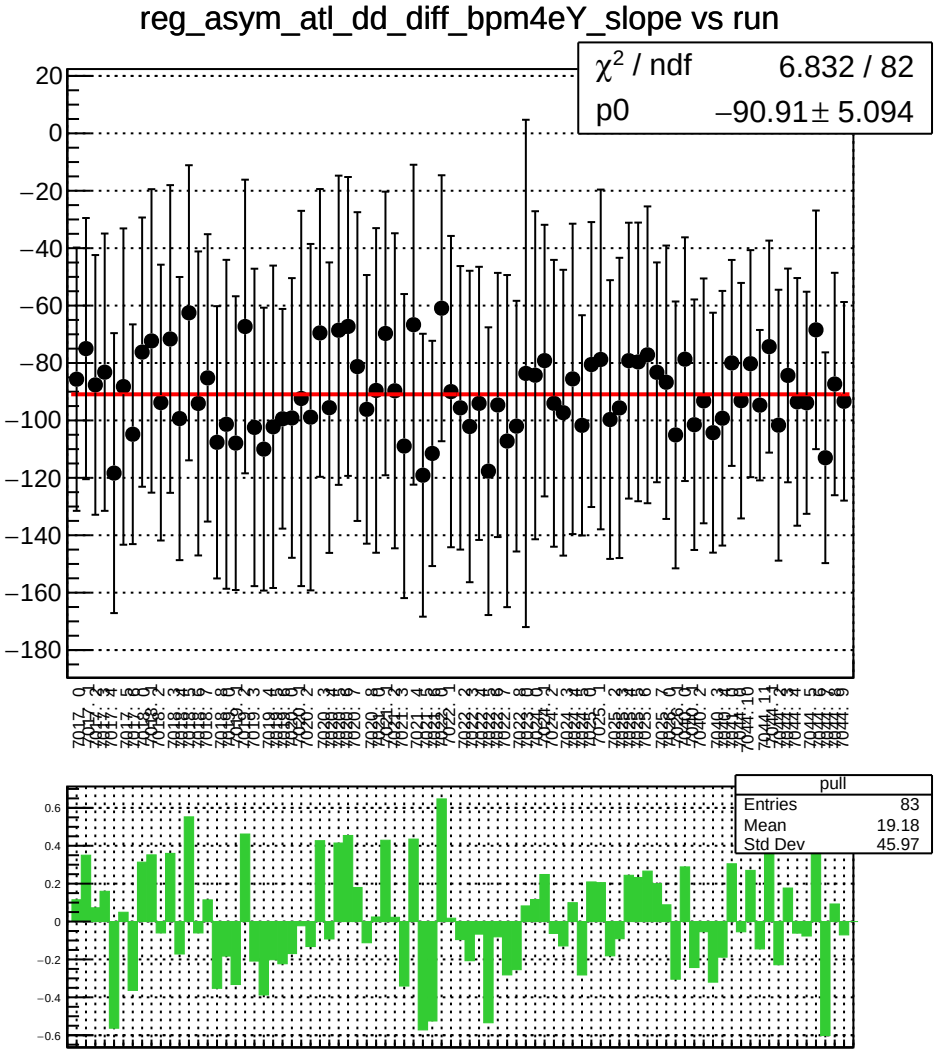

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.316 / 82
p0 280.2 ± 7.065
pull
Entries 83
Mean −161.8
Std Dev 190.4
pull1D
Entries 83
Mean −0.004134
Std Dev 0.3165

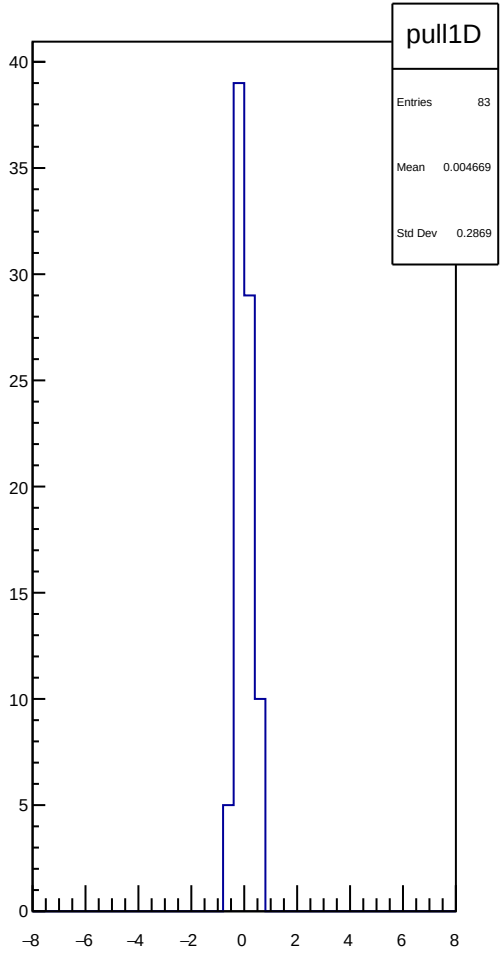

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 6.855 / 82
p0 13.51 ± 4.697
pull
Entries 83
Mean 0.4311
Std Dev 85.46

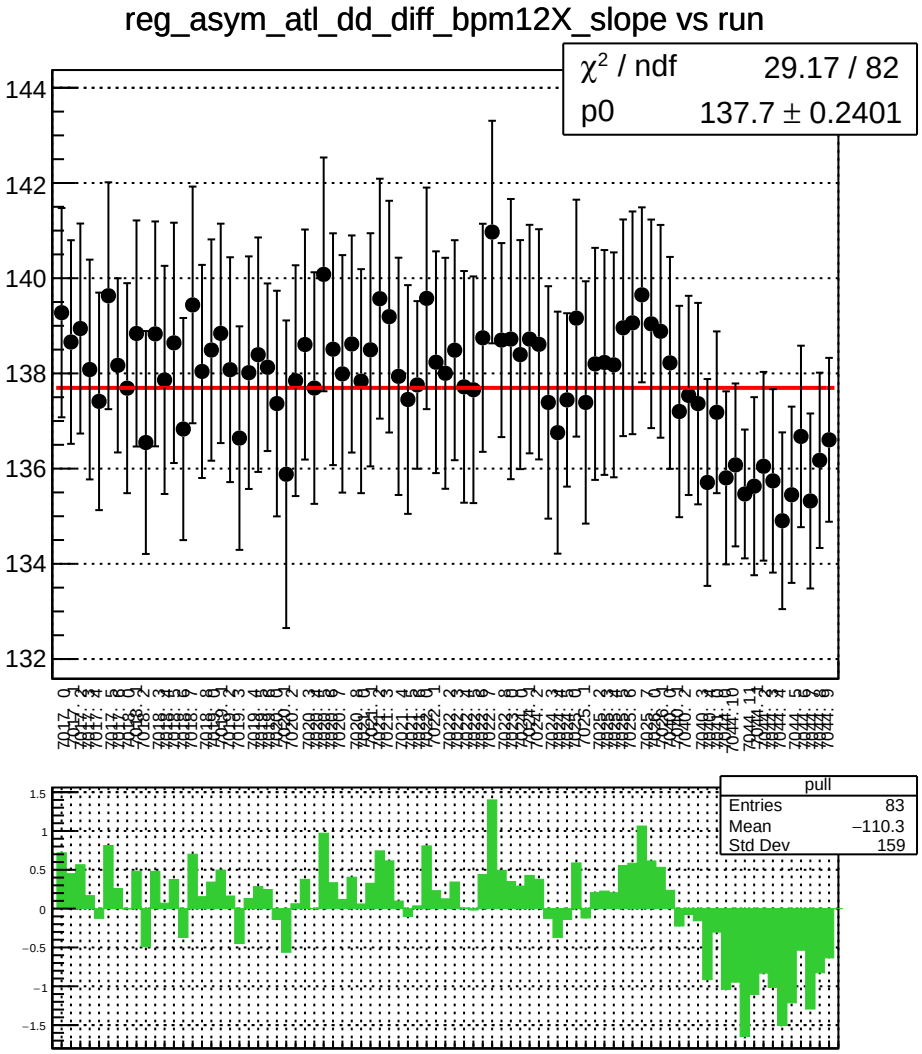

pull1D
Entries 83
Mean −0.00275
Std Dev 0.2874

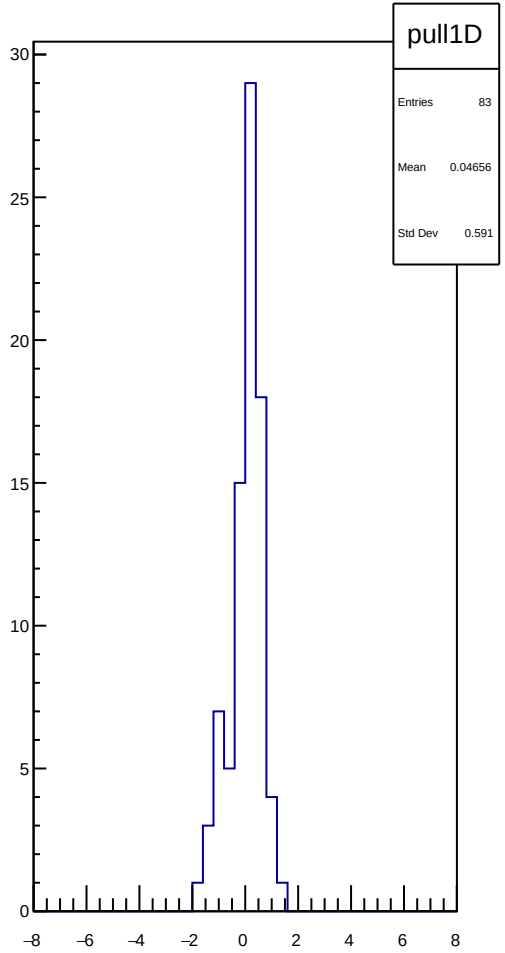

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.908 / 82
p0 −210.2 ± 6.574
pull
Entries 83
Mean −113
Std Dev 139.2

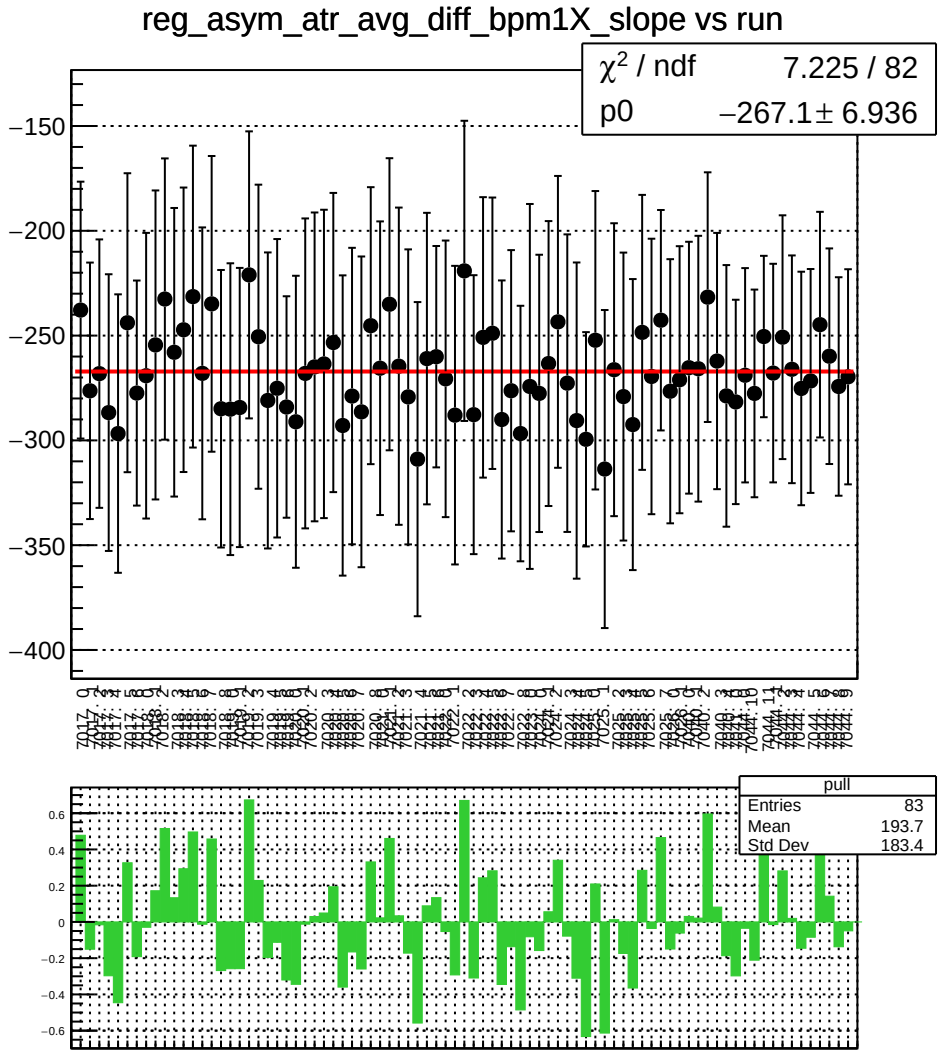

pull1D
Entries 83
Mean 0.00456
Std Dev 0.3086

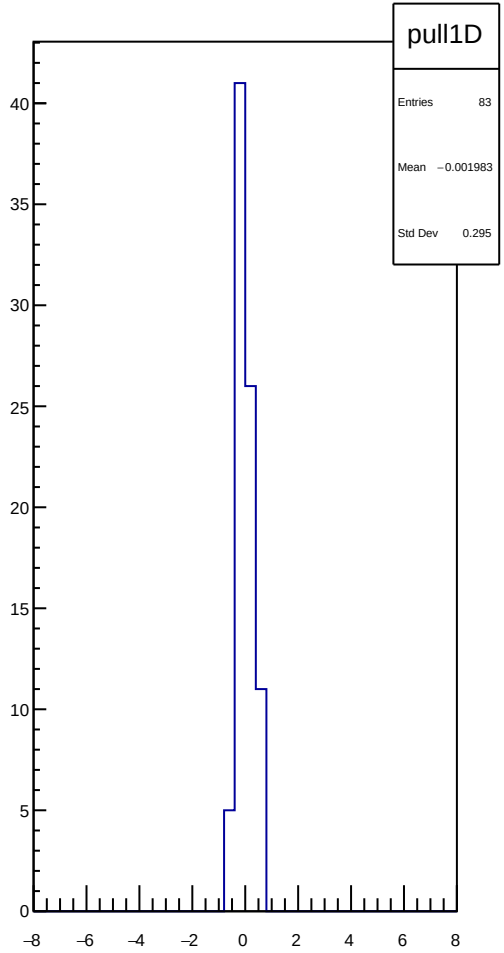

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.832 / 82
p0 −90.91 ± 5.094
pull
Entries 83
Mean 19.18
Std Dev 45.97

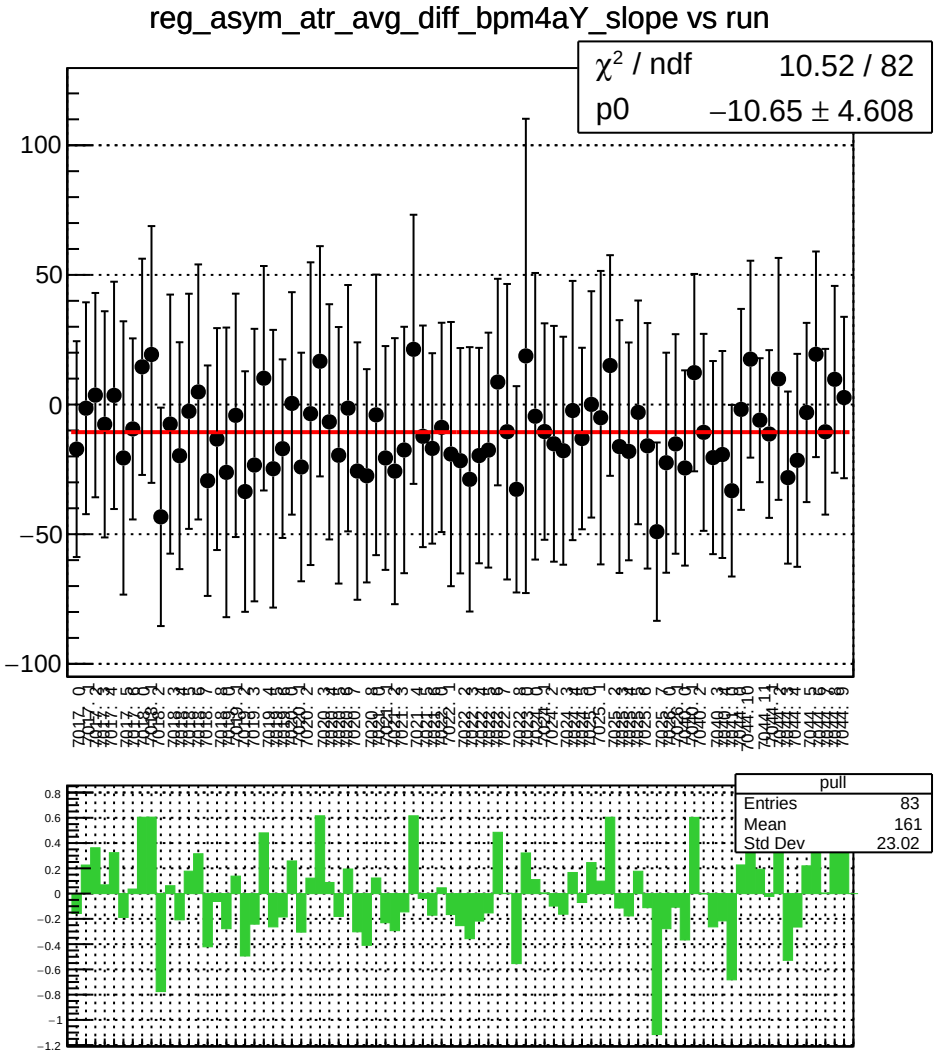

pull1D
Entries 83
Mean 0.004669
Std Dev 0.2869

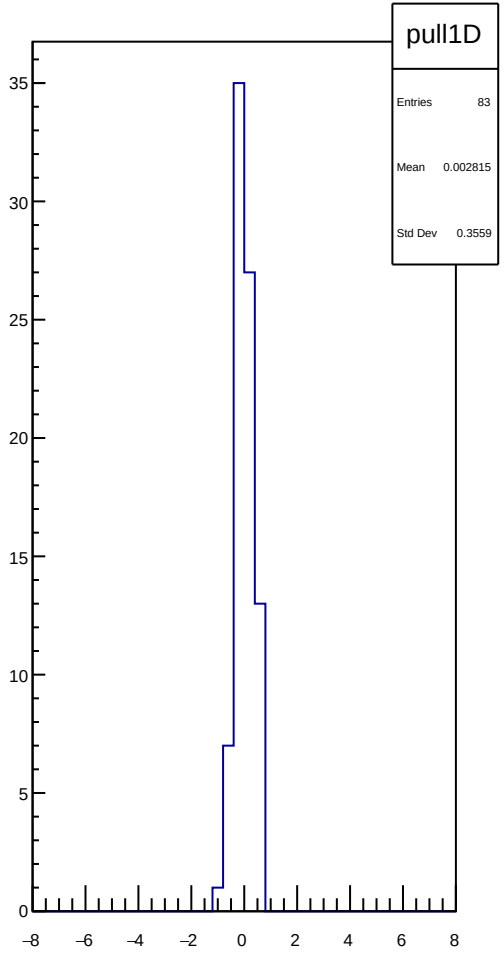

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 29.17 / 82
p0 137.7 ± 0.2401
144
142
140
138
136
134
132
pull
Entries 83
Mean −110.3
Std Dev 159
1.5
1
0.5
0
−0.5
−1
−1.5

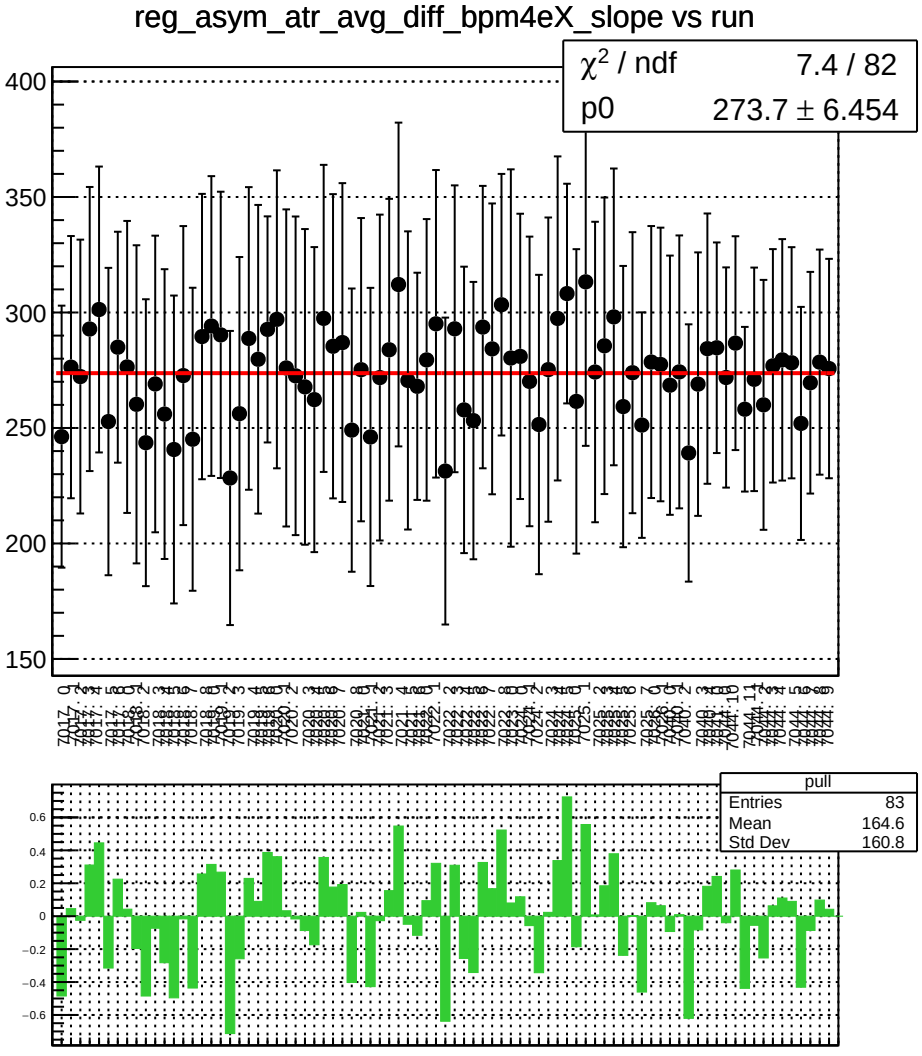

pull1D
Entries 83
Mean 0.04656
Std Dev 0.591
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

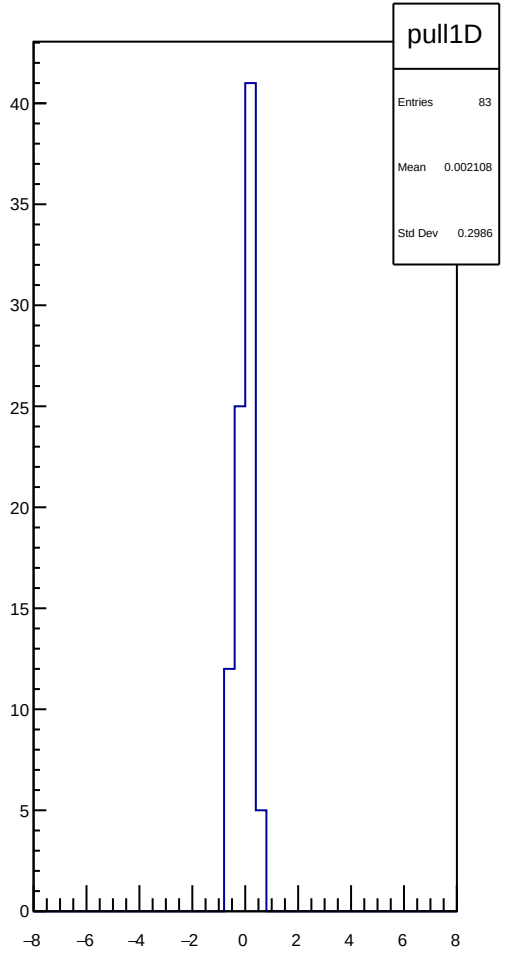

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.225 / 82
p0 −267.1 ± 6.936
pull
Entries 83
Mean 193.7
Std Dev 183.4

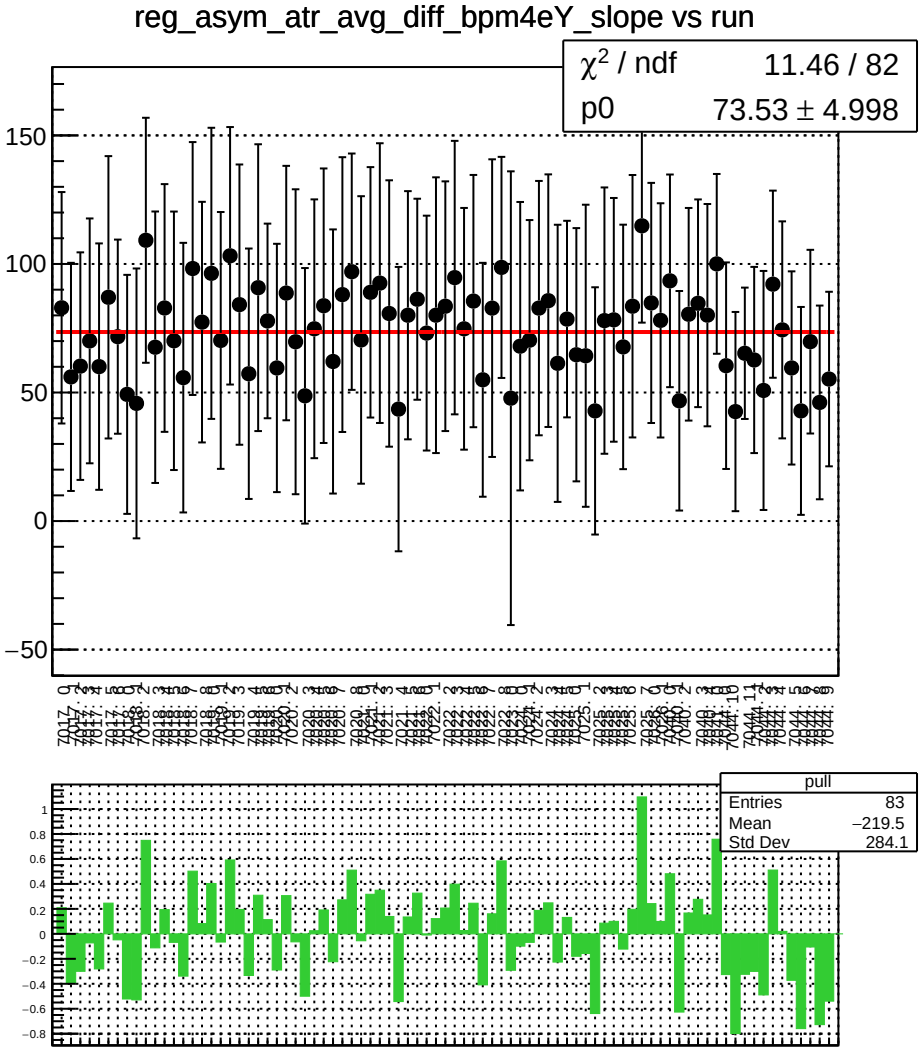

pull1D
Entries 83
Mean −0.001983
Std Dev 0.295

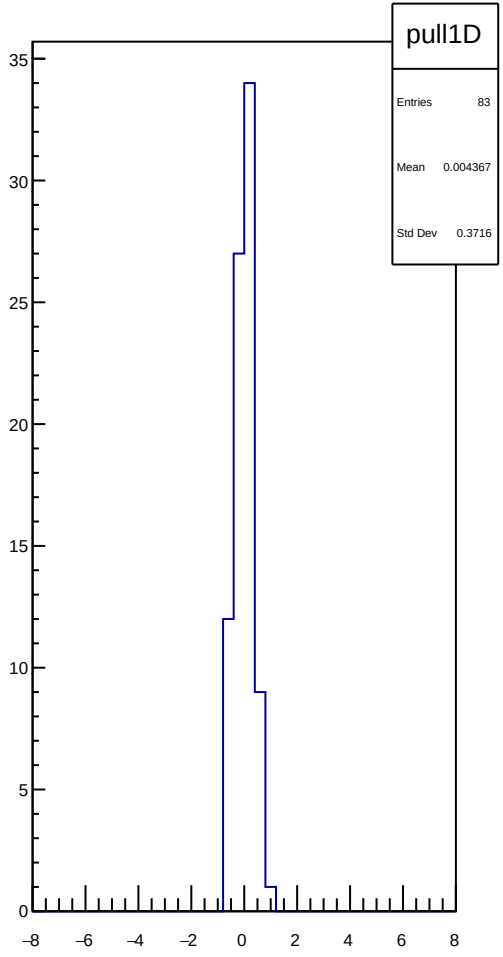

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.52 / 82
p0 −10.65 ± 4.608
pull
Entries 83
Mean 161
Std Dev 23.02

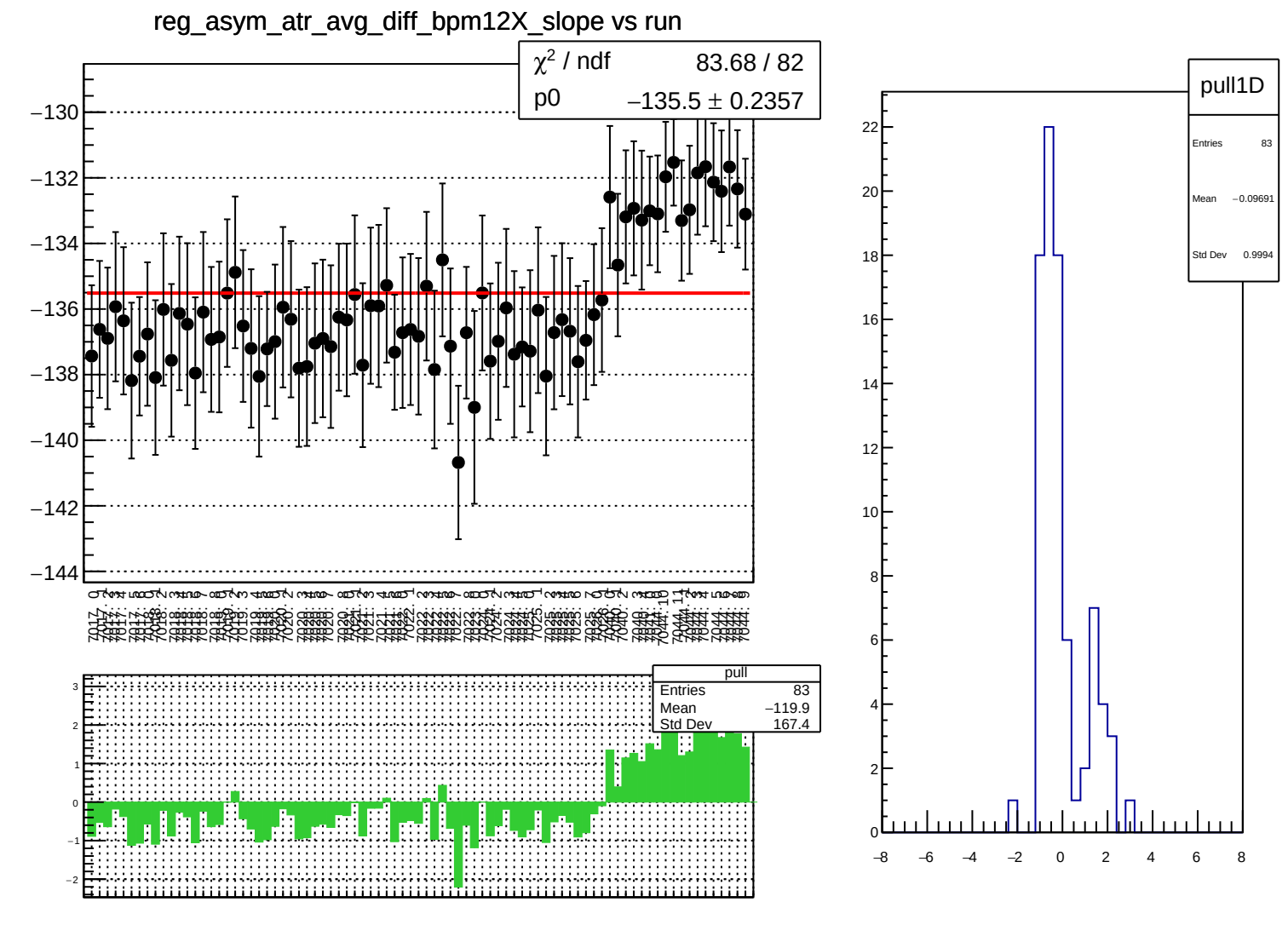

pull1D
Entries 83
Mean 0.002815
Std Dev 0.3559

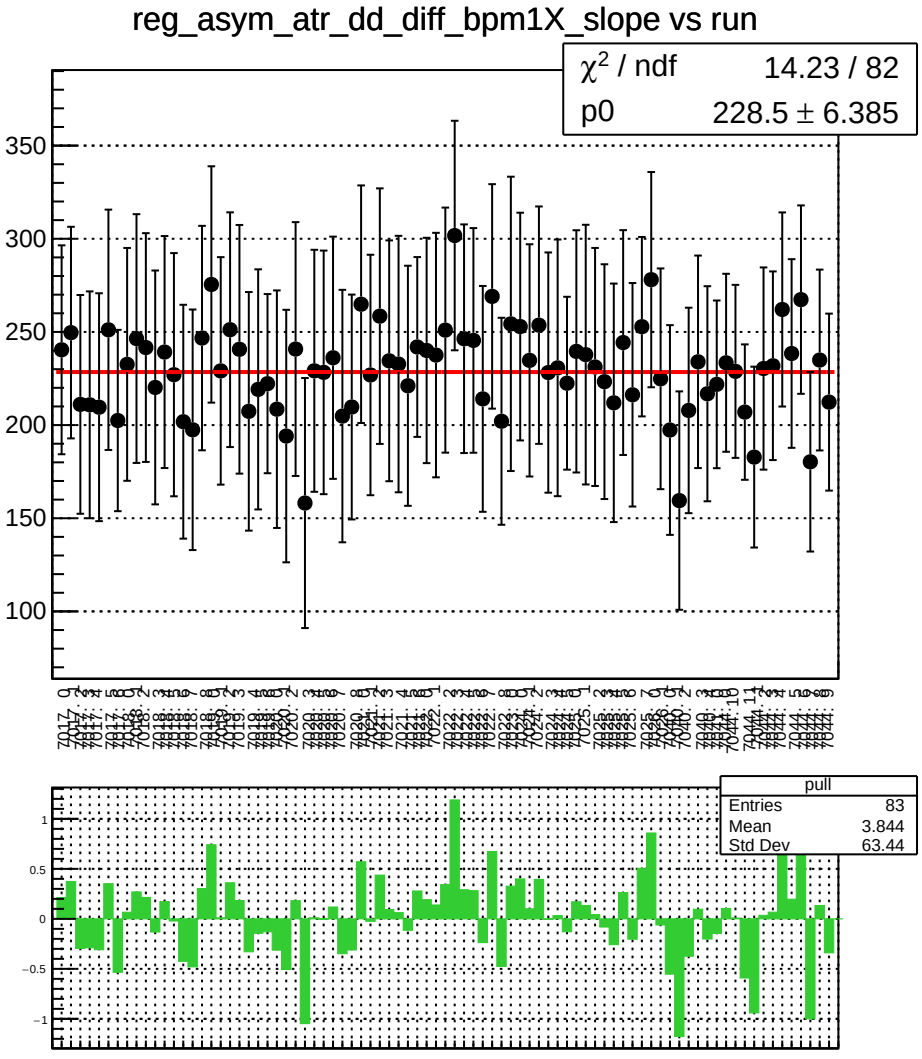

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.4 / 82
p0 273.7 ± 6.454
pull
Entries 83
Mean 164.6
Std Dev 160.8

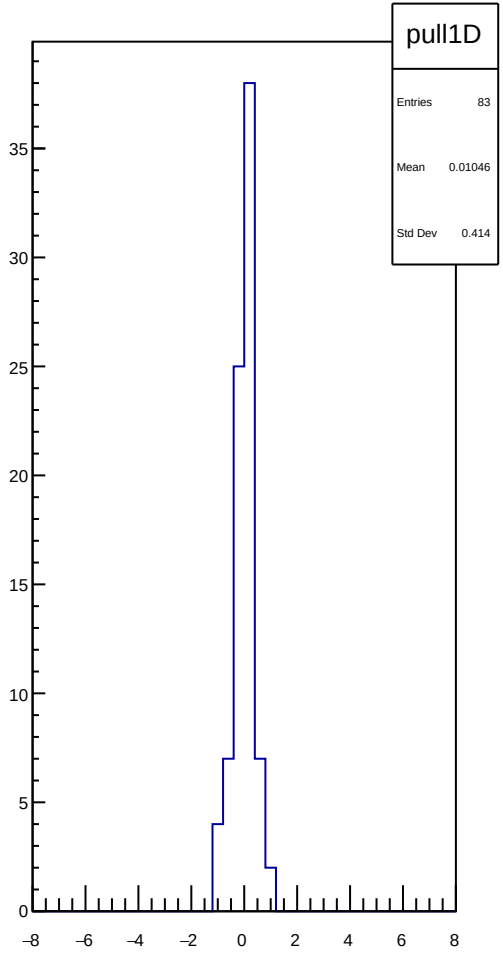

pull1D
Entries 83
Mean 0.002108
Std Dev 0.2986

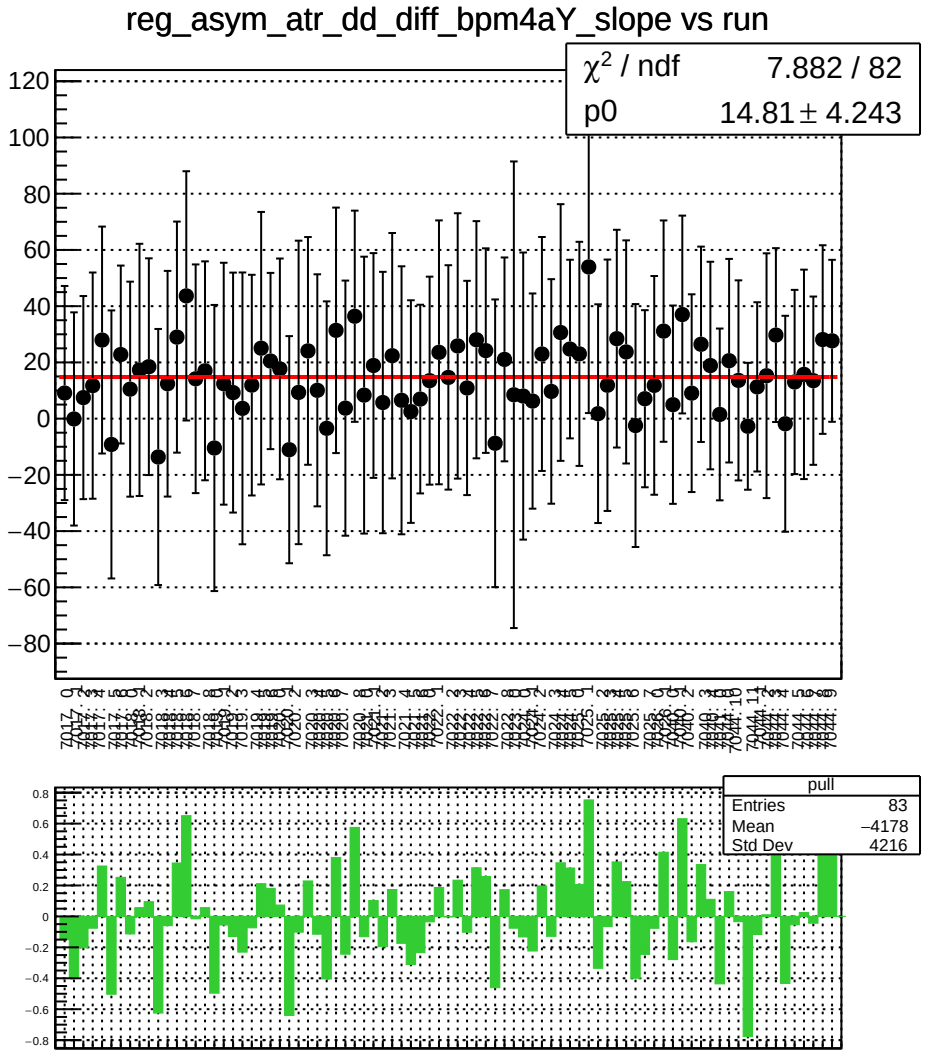

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.46 / 82
p0 73.53 ± 4.998
pull
Entries 83
Mean −219.5
Std Dev 284.1

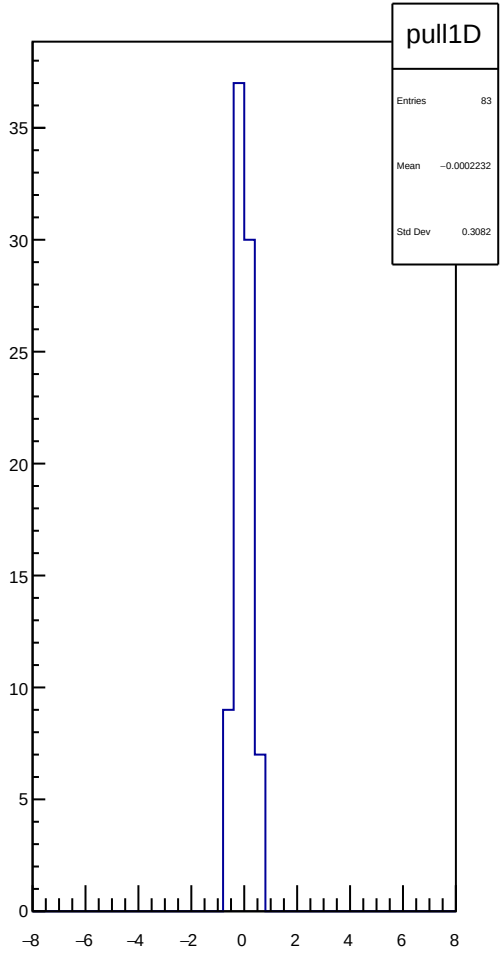

pull1D
Entries 83
Mean 0.004367
Std Dev 0.3716

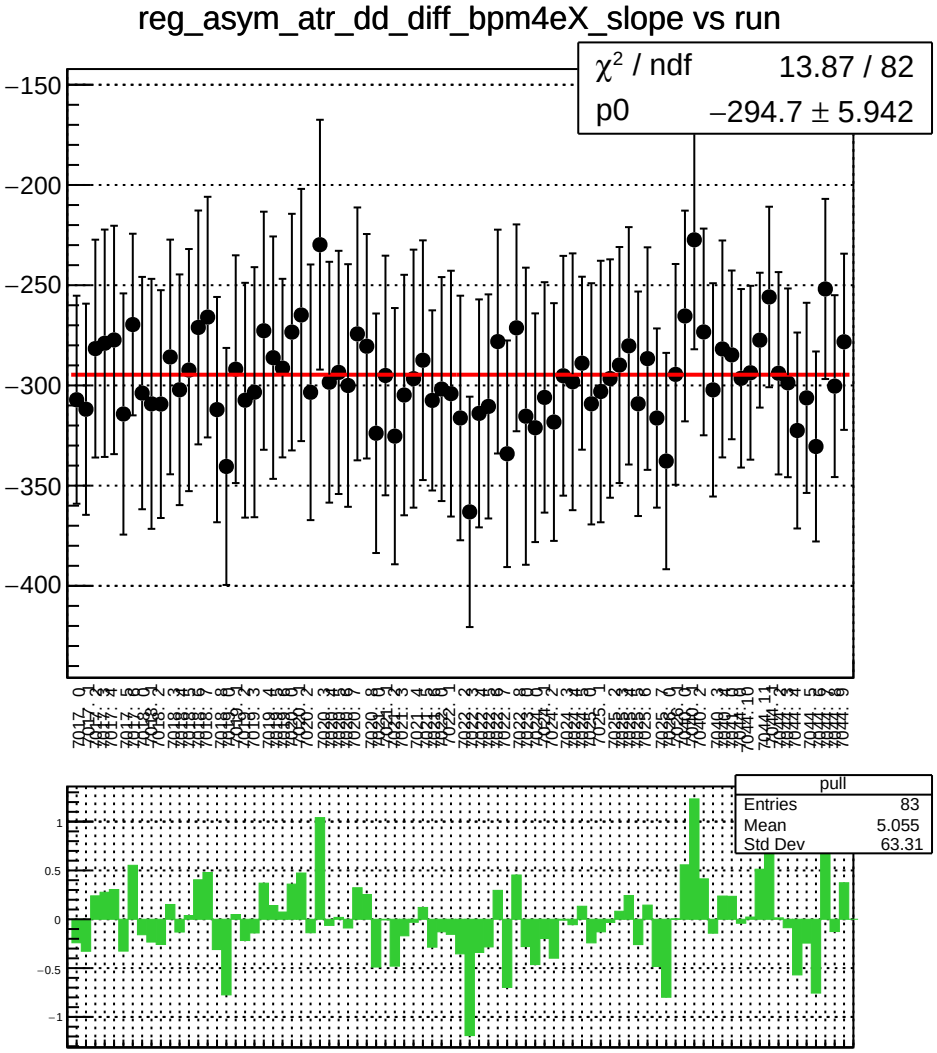

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 83.68 / 82
p0 −135.5 ± 0.2357
pull
Entries 83
Mean −119.9
Std Dev 167.4
pull1D
Entries 83
Mean −0.09691
Std Dev 0.9994

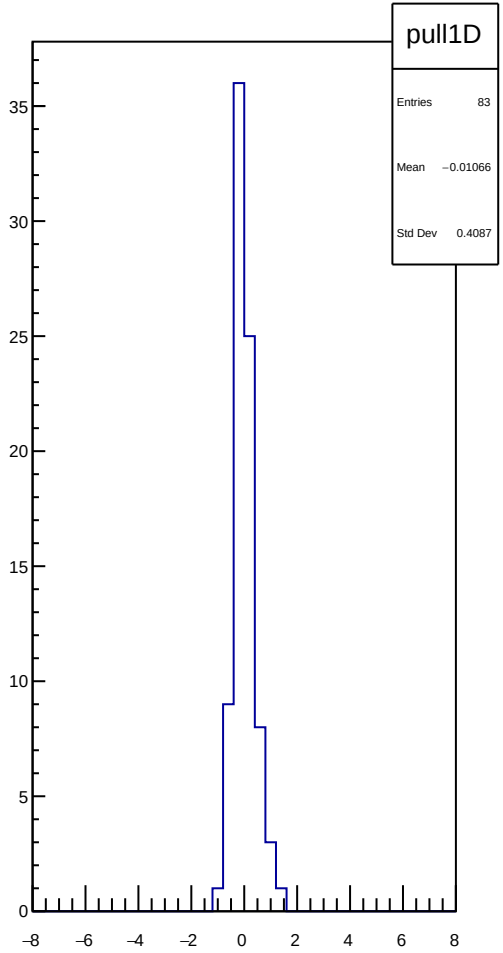

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 14.23 / 82
p0 228.5 ± 6.385
pull
Entries 83
Mean 3.844
Std Dev 63.44

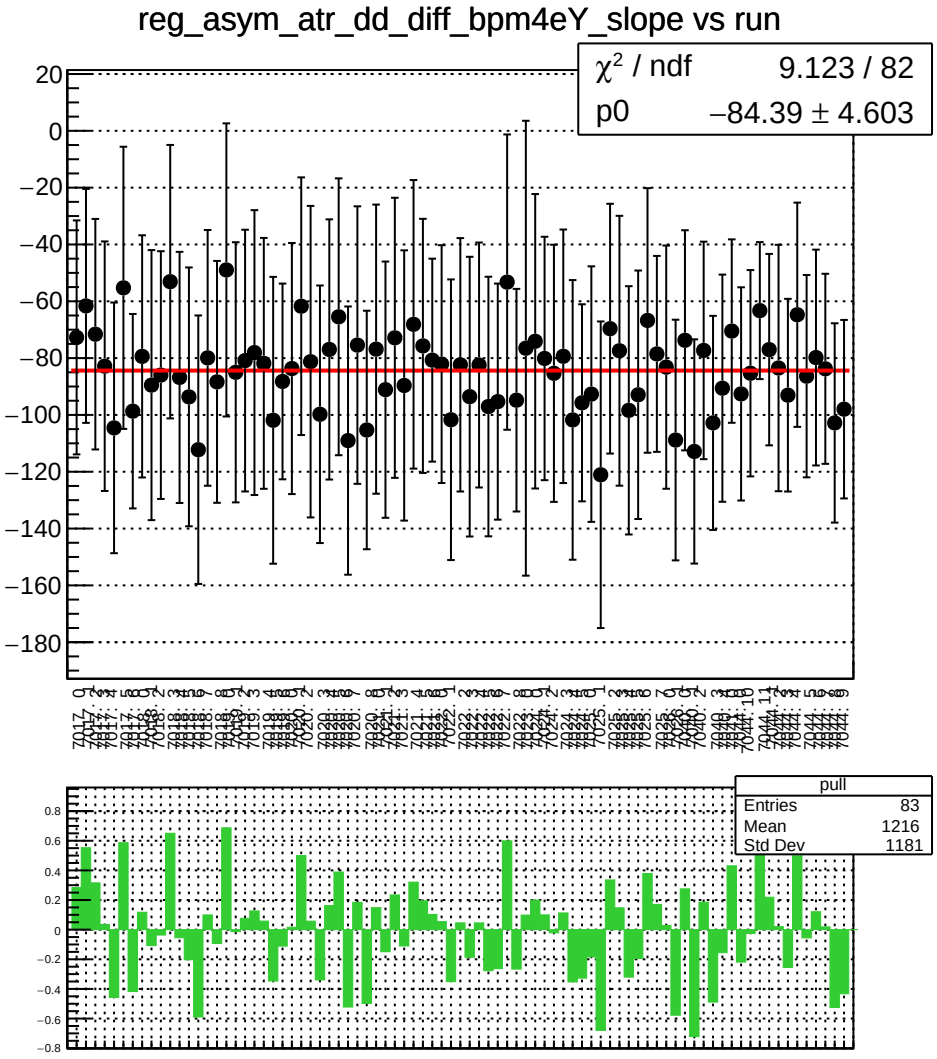

pull1D
Entries 83
Mean 0.01046
Std Dev 0.414

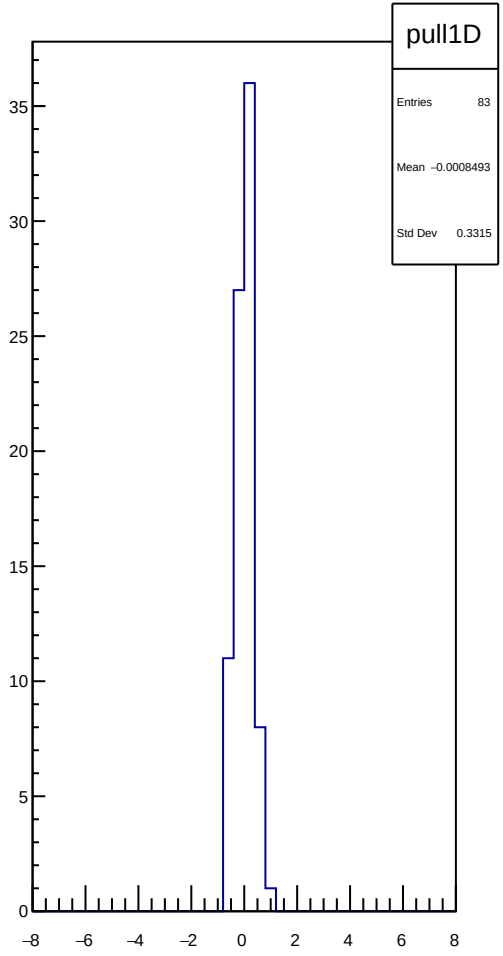

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.882 / 82
p0 14.81 ± 4.243
pull
Entries 83
Mean −4178
Std Dev 4216

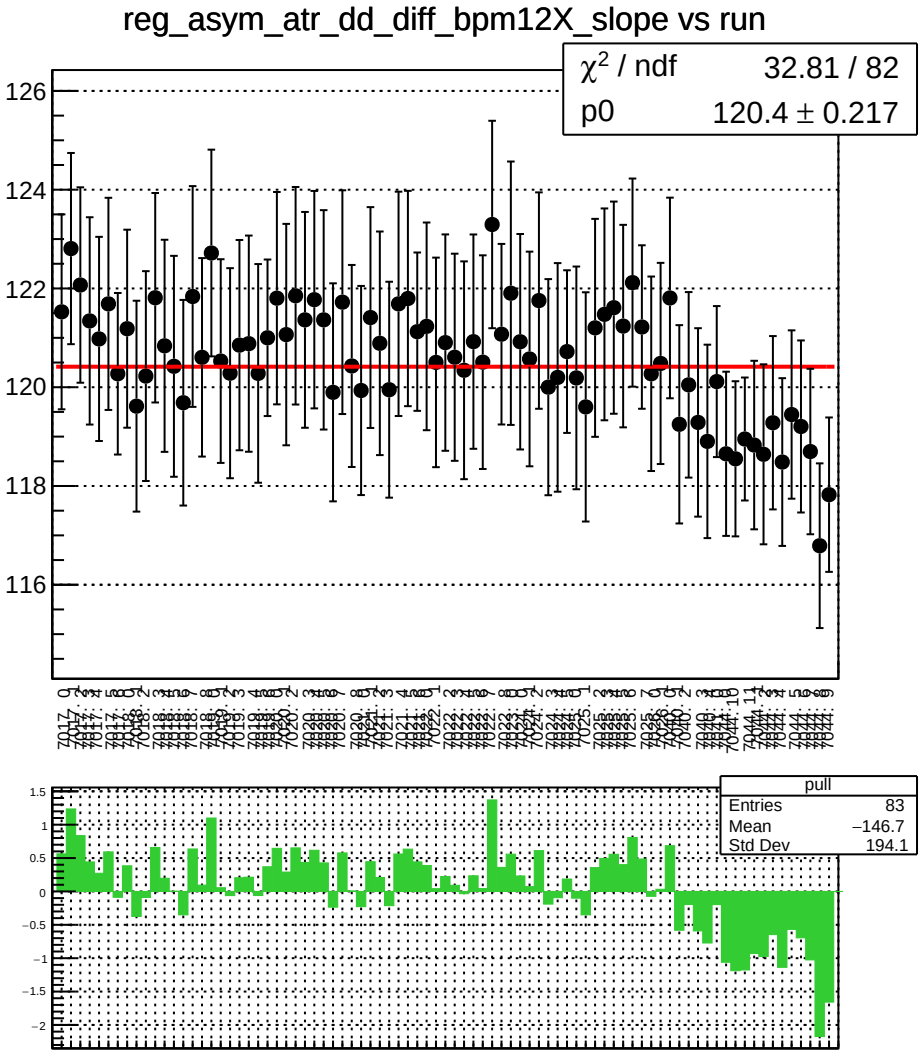

pull1D
Entries 83
Mean −0.0002232
Std Dev 0.3082

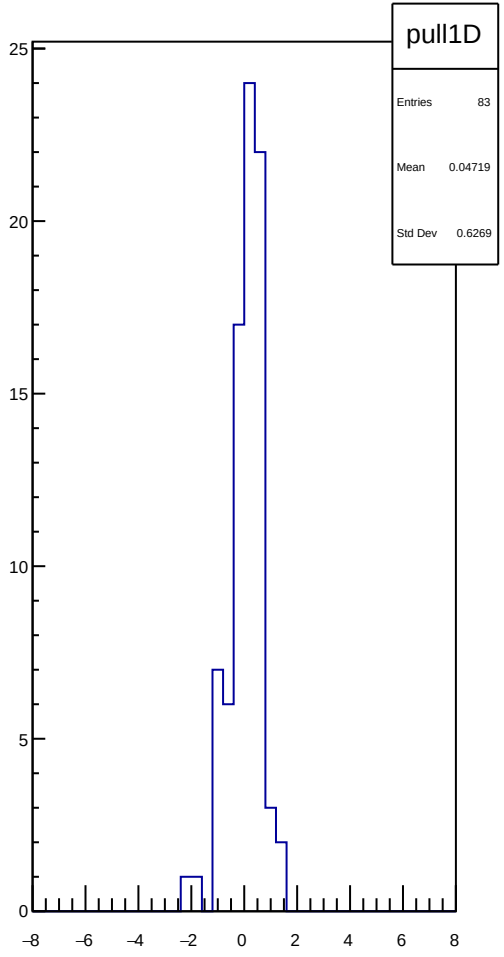

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.87 / 82
p0 −294.7 ± 5.942
pull
Entries 83
Mean 5.055
Std Dev 63.31

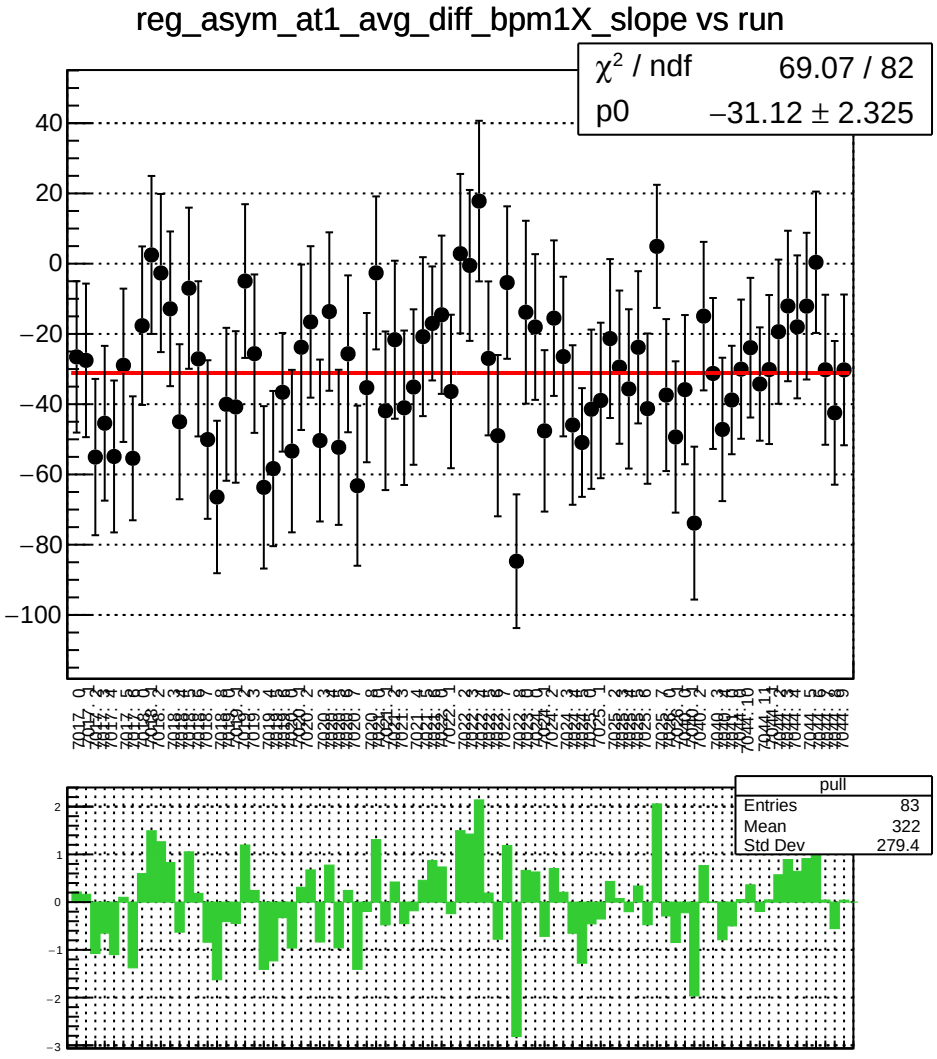

pull1D
Entries 83
Mean −0.01066
Std Dev 0.4087

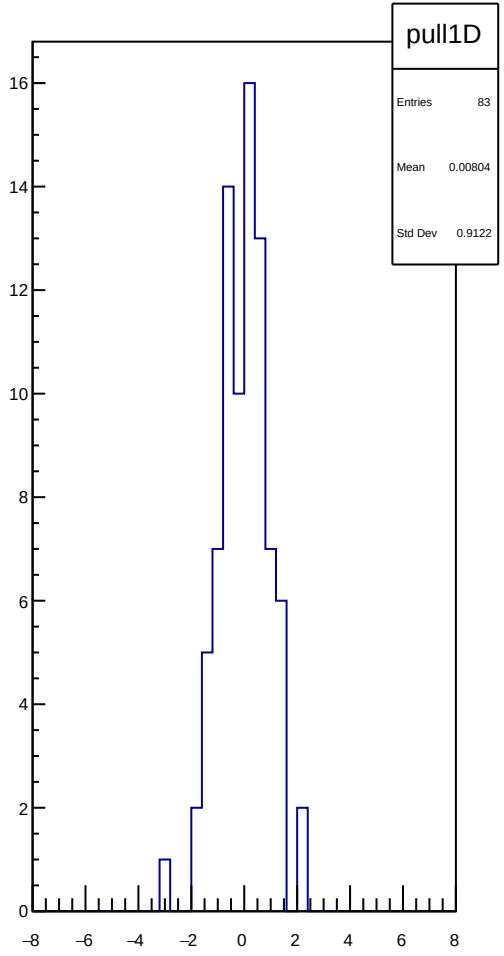

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.123 / 82
p0 −84.39 ± 4.603
pull
Entries 83
Mean 1216
Std Dev 1181

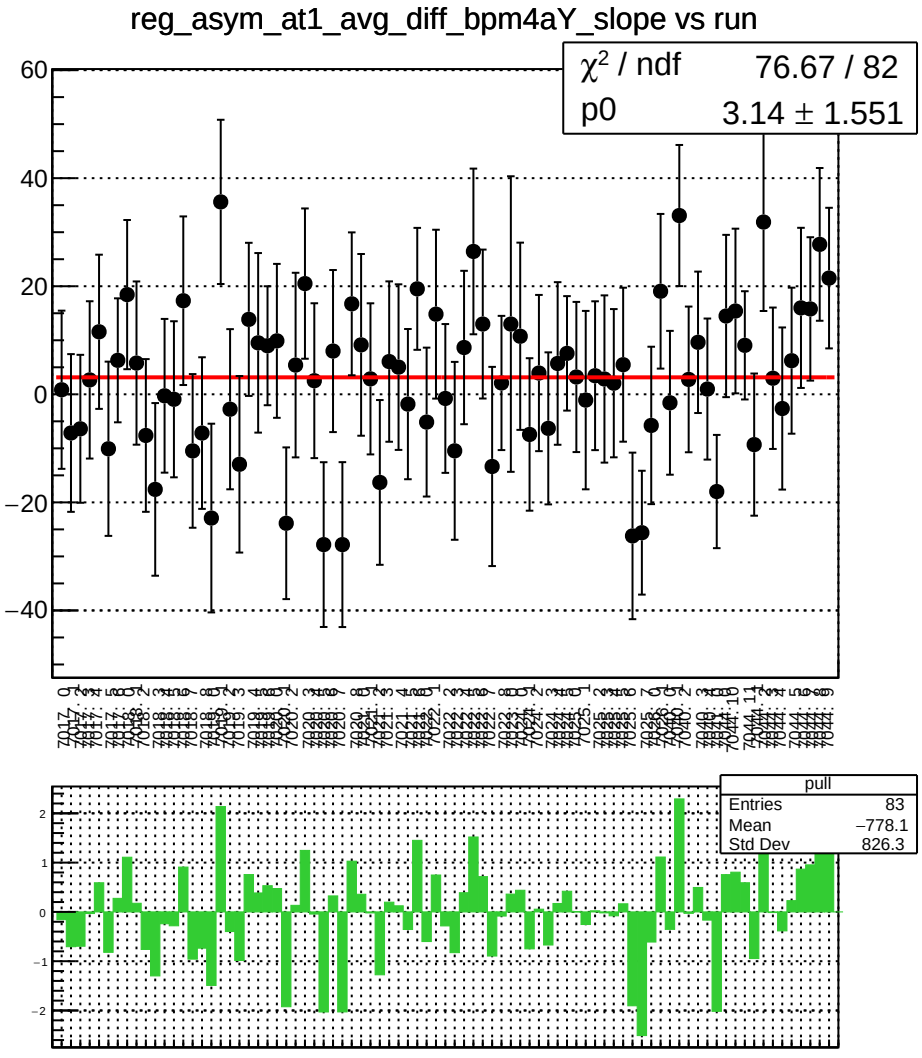

pull1D
Entries 83
Mean −0.0008493
Std Dev 0.3315

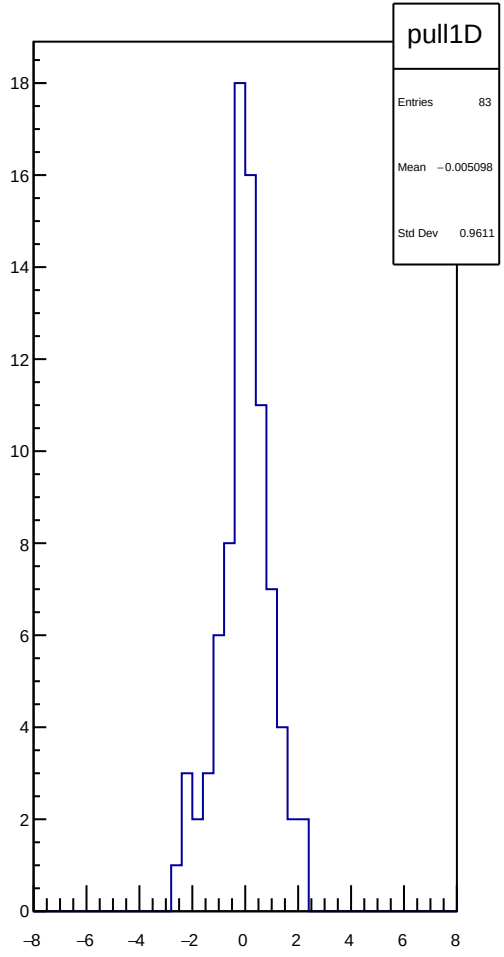

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.81 / 82
p0 120.4 ± 0.217
126
124
122
120
118
116
pull
Entries 83
Mean −146.7
Std Dev 194.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2

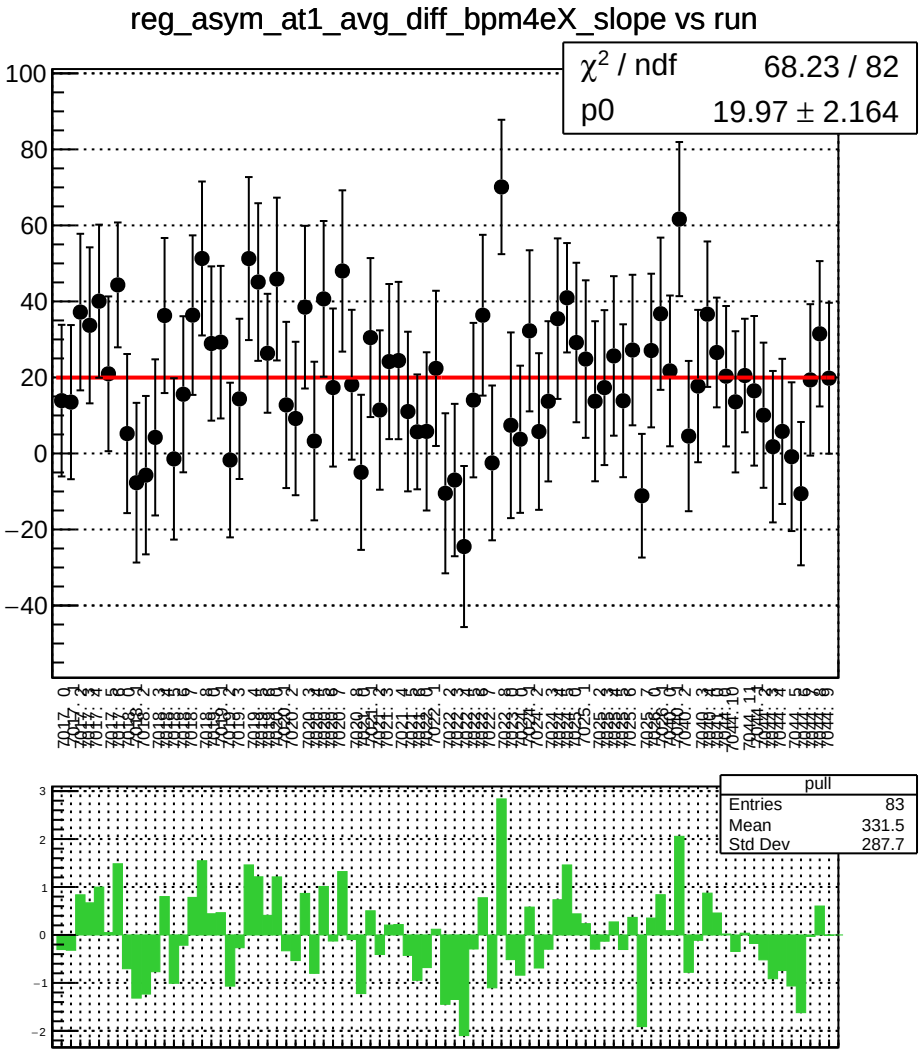

pull1D
Entries 83
Mean 0.04719
Std Dev 0.6269
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

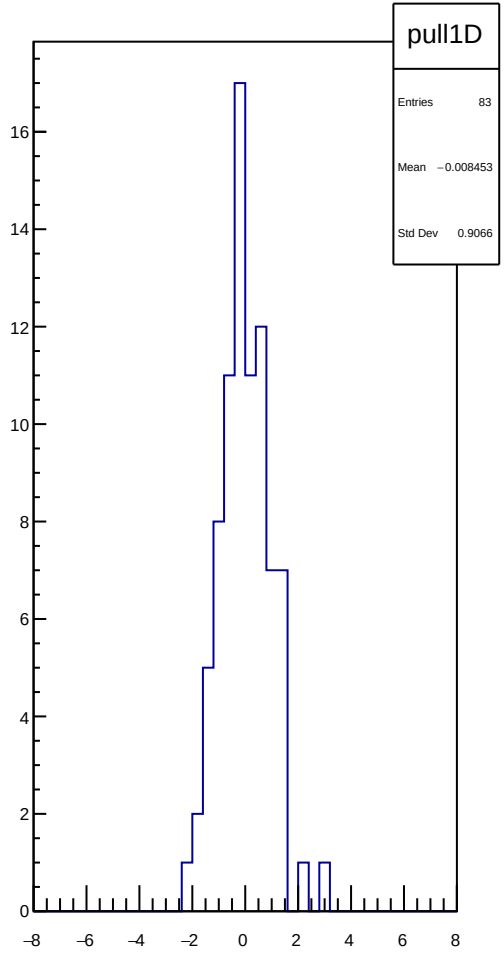

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 69.07 / 82
p0 −31.12 ± 2.325
pull
Entries 83
Mean 322
Std Dev 279.4

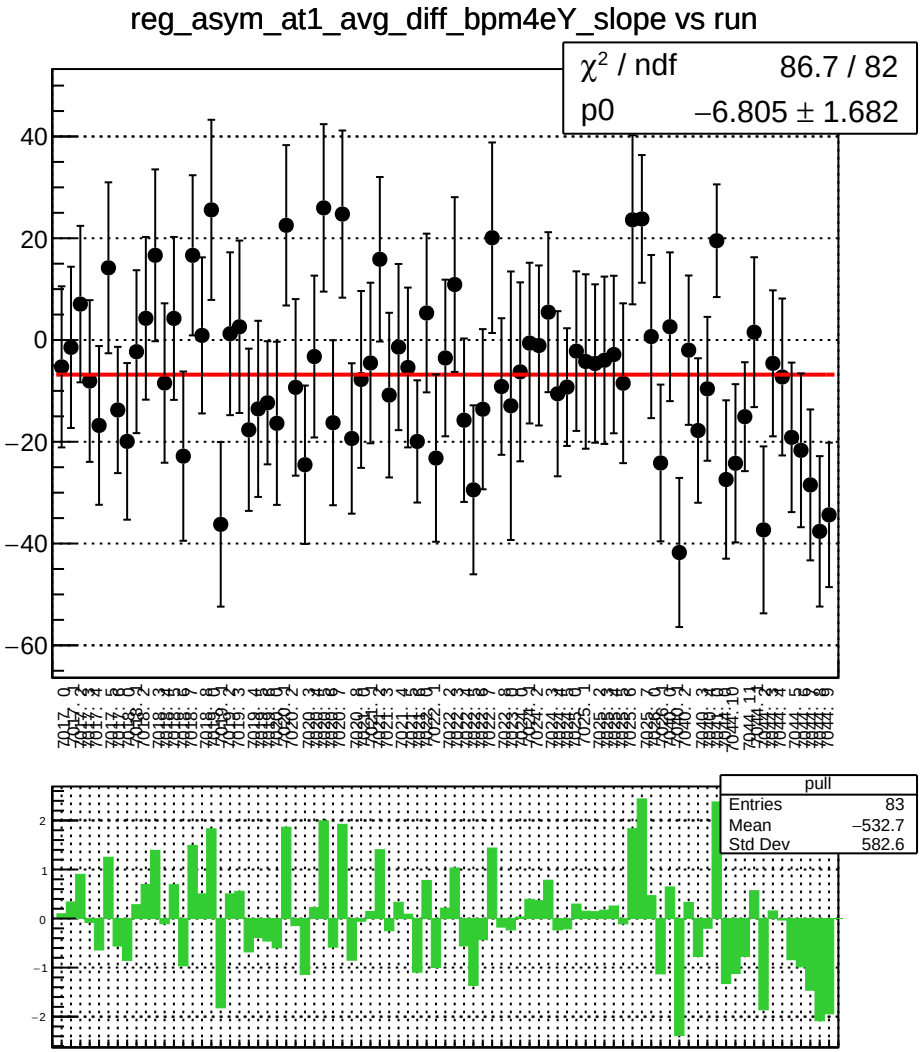

pull1D
Entries 83
Mean 0.00804
Std Dev 0.9122

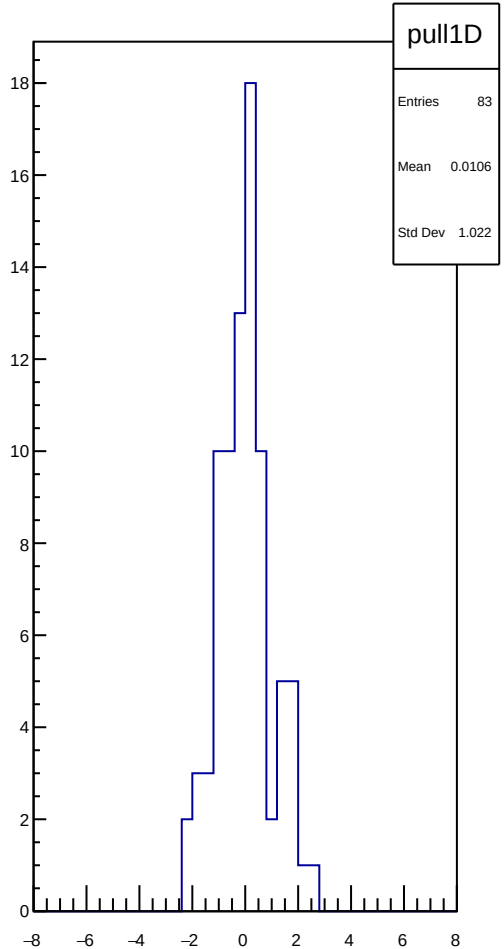

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 76.67 / 82
p0 3.14 ± 1.551
pull
Entries 83
Mean −778.1
Std Dev 826.3

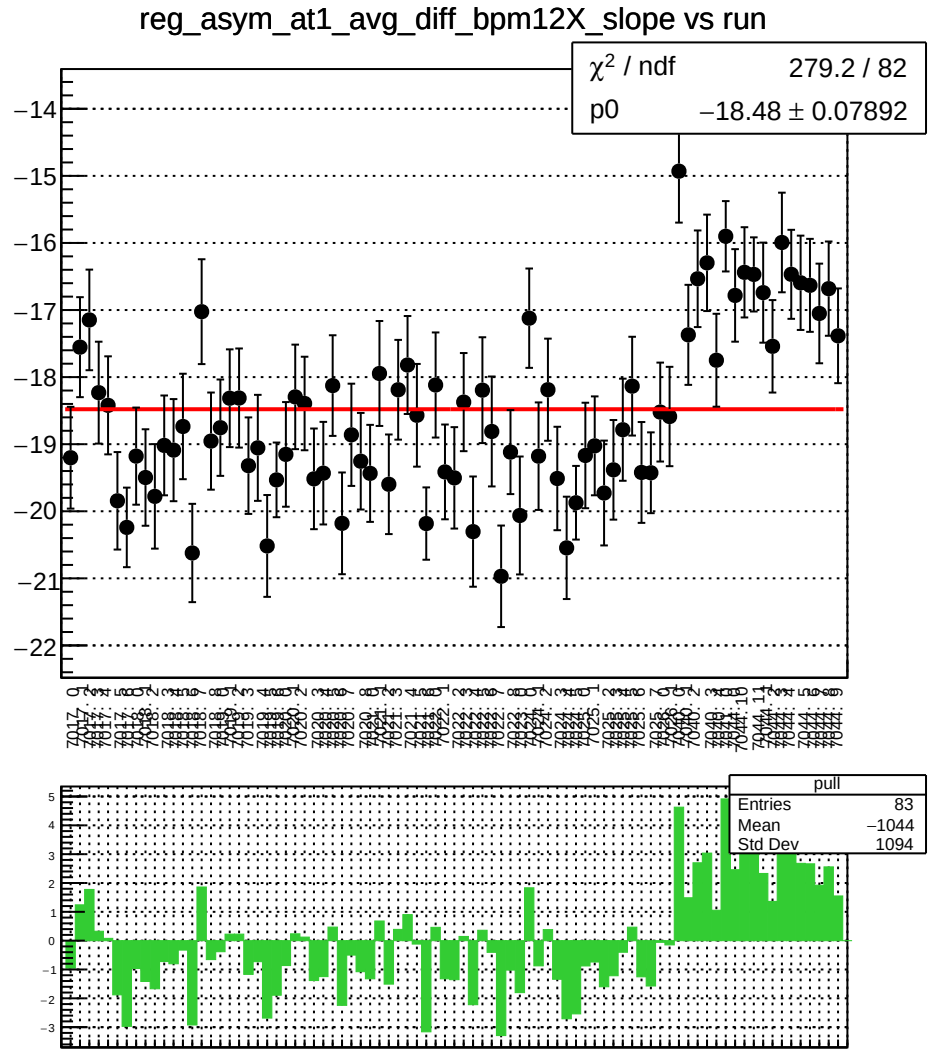

pull1D
Entries 83
Mean −0.005098
Std Dev 0.9611

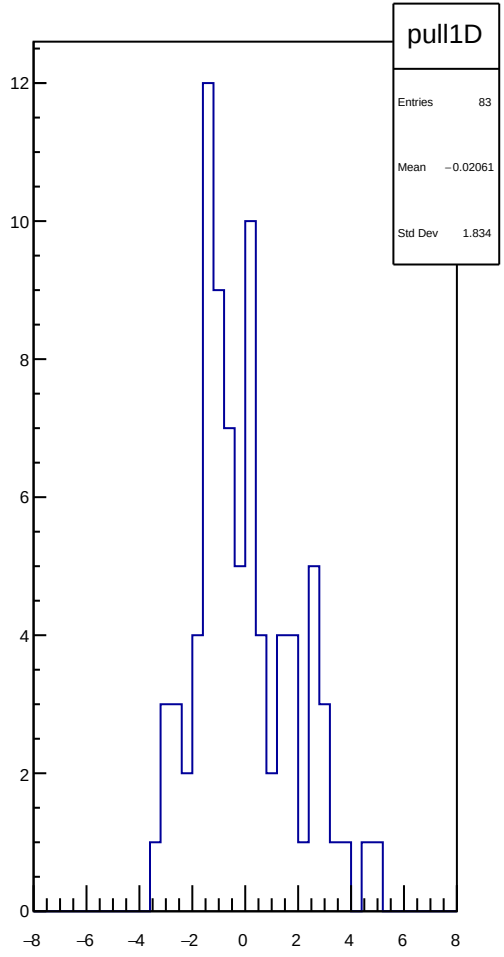

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.23 / 82
p0 19.97 ± 2.164
pull
Entries 83
Mean 331.5
Std Dev 287.7

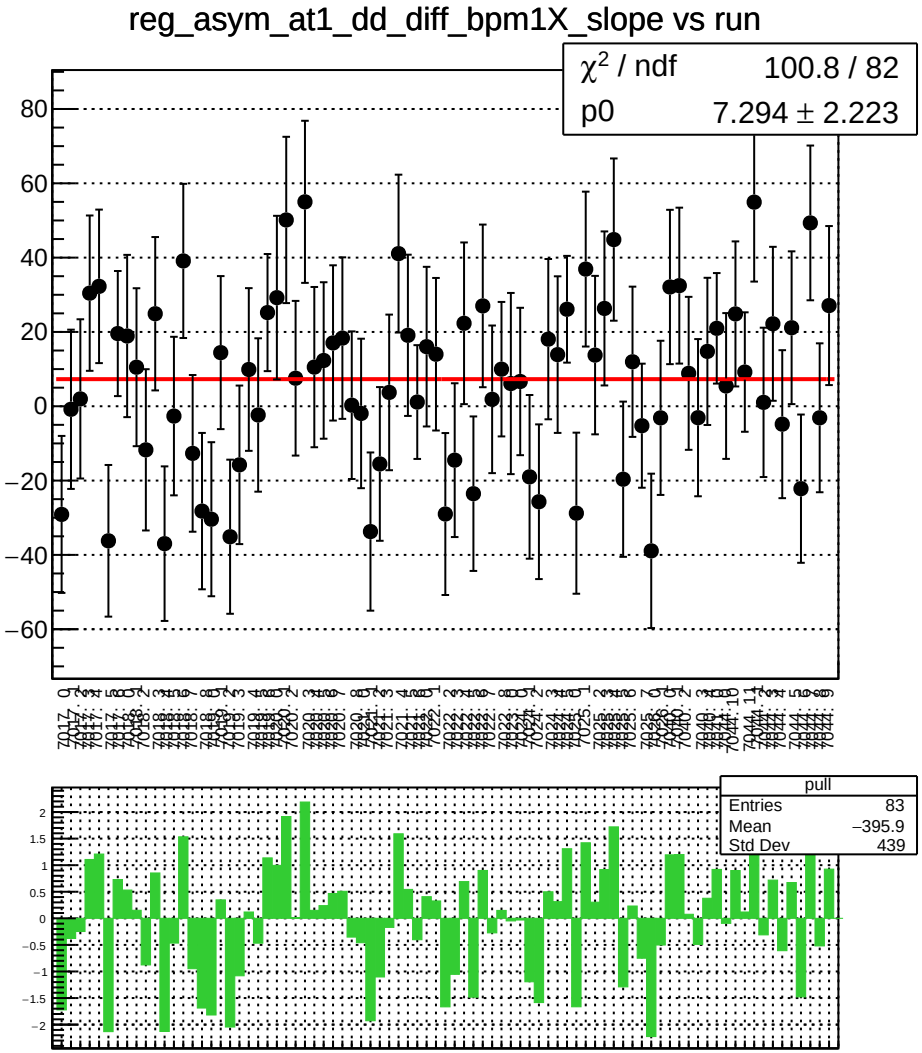

pull1D
Entries 83
Mean −0.008453
Std Dev 0.9066

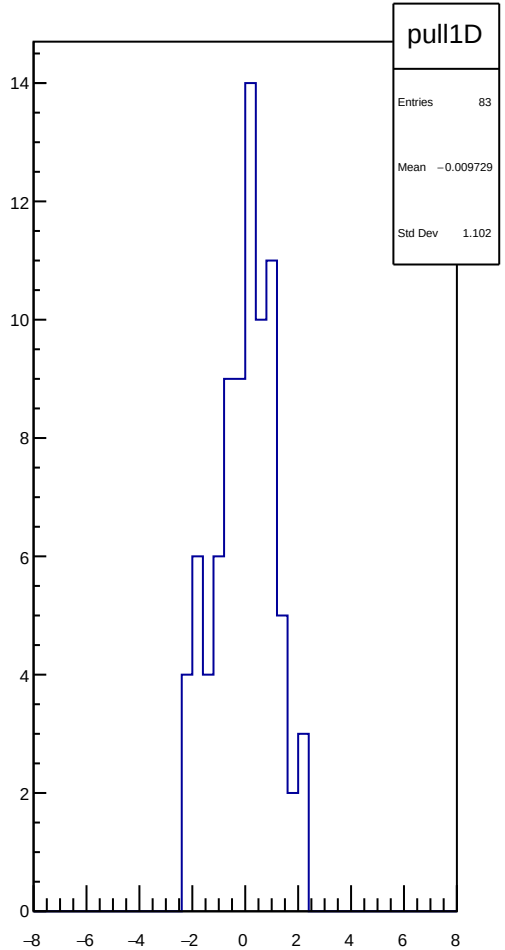

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.7 / 82
p0 −6.805 ± 1.682
pull
Entries 83
Mean −532.7
Std Dev 582.6

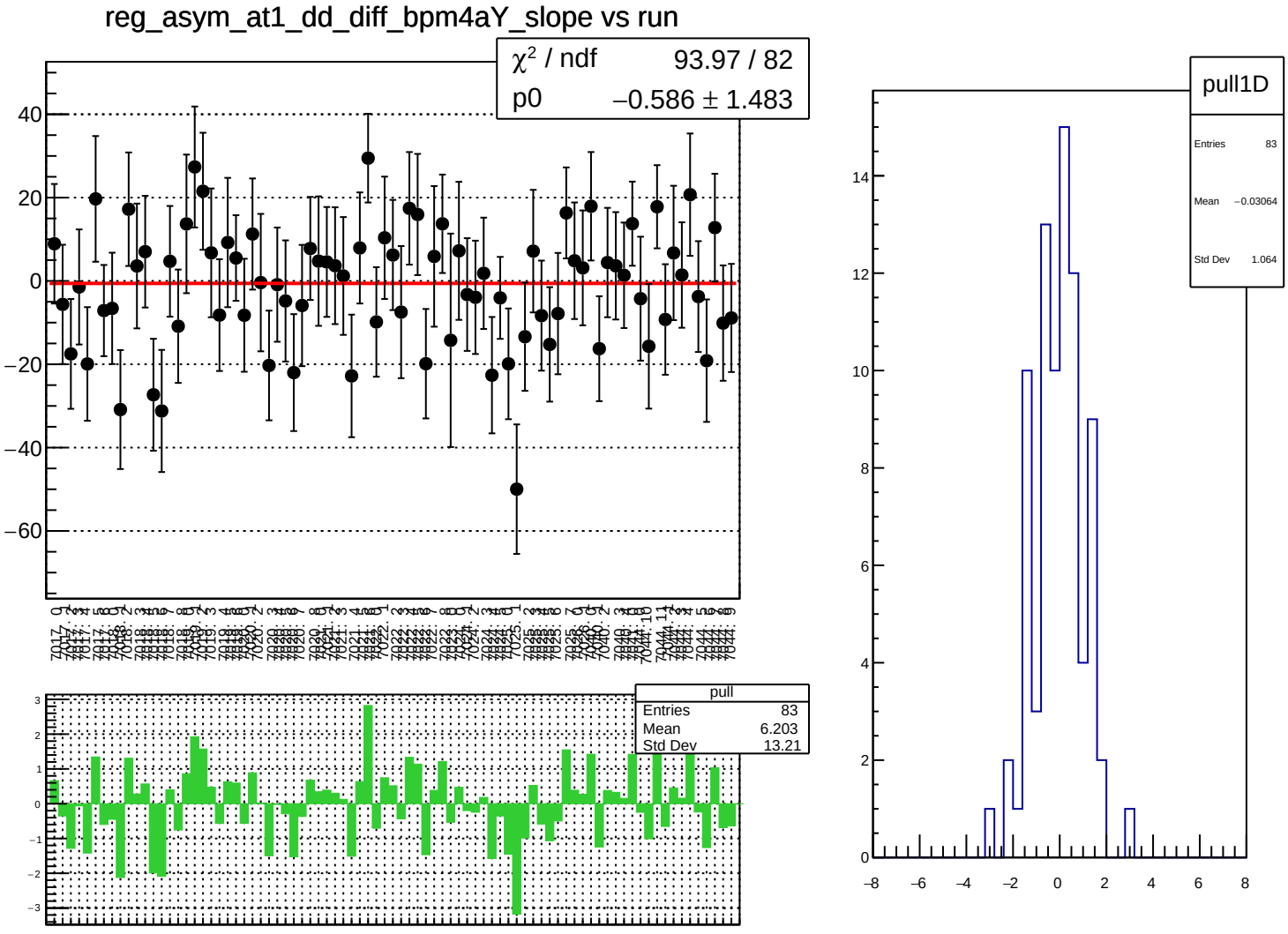

pull1D
Entries 83
Mean 0.0106
Std Dev 1.022

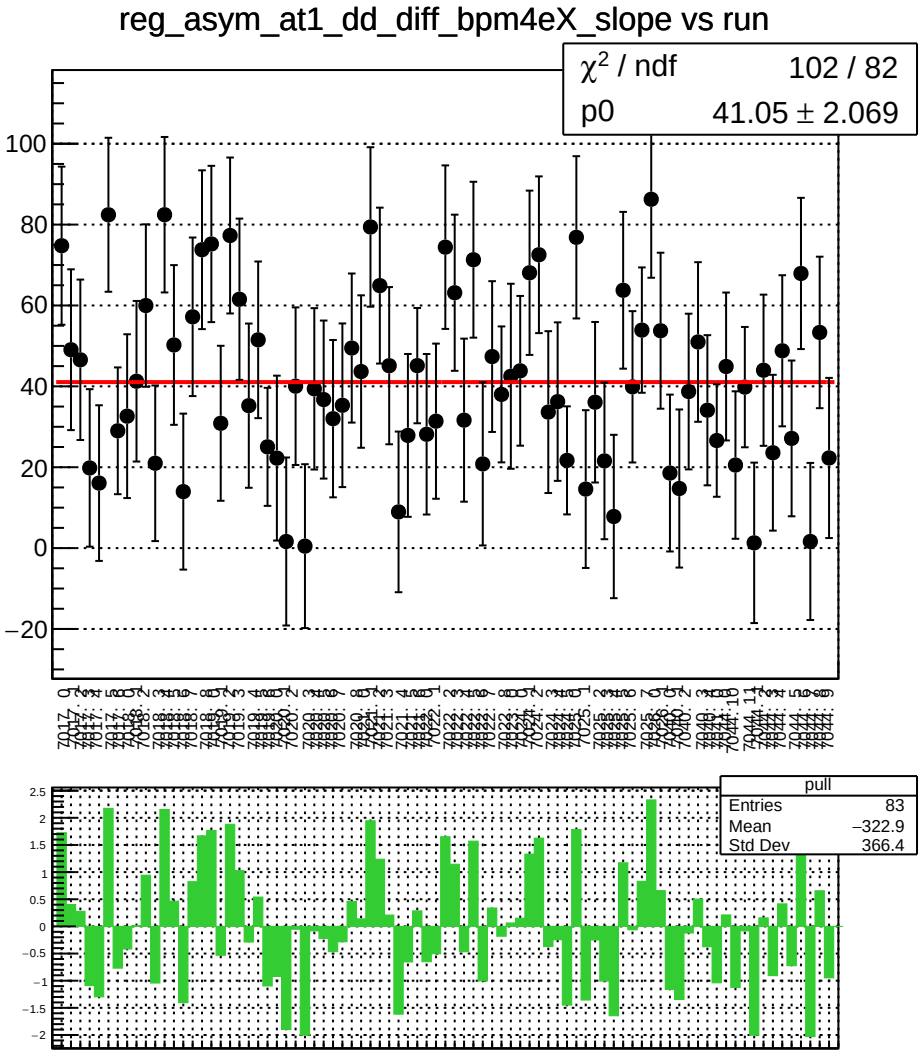

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 279.2 / 82
p0 −18.48 ± 0.07892
pull
Entries 83
Mean −1044
Std Dev 1094

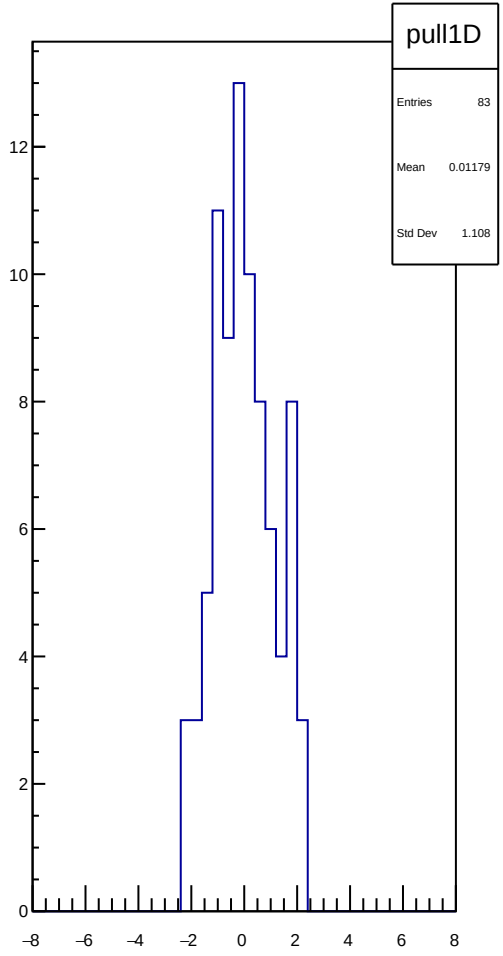

pull1D
Entries 83
Mean −0.02061
Std Dev 1.834

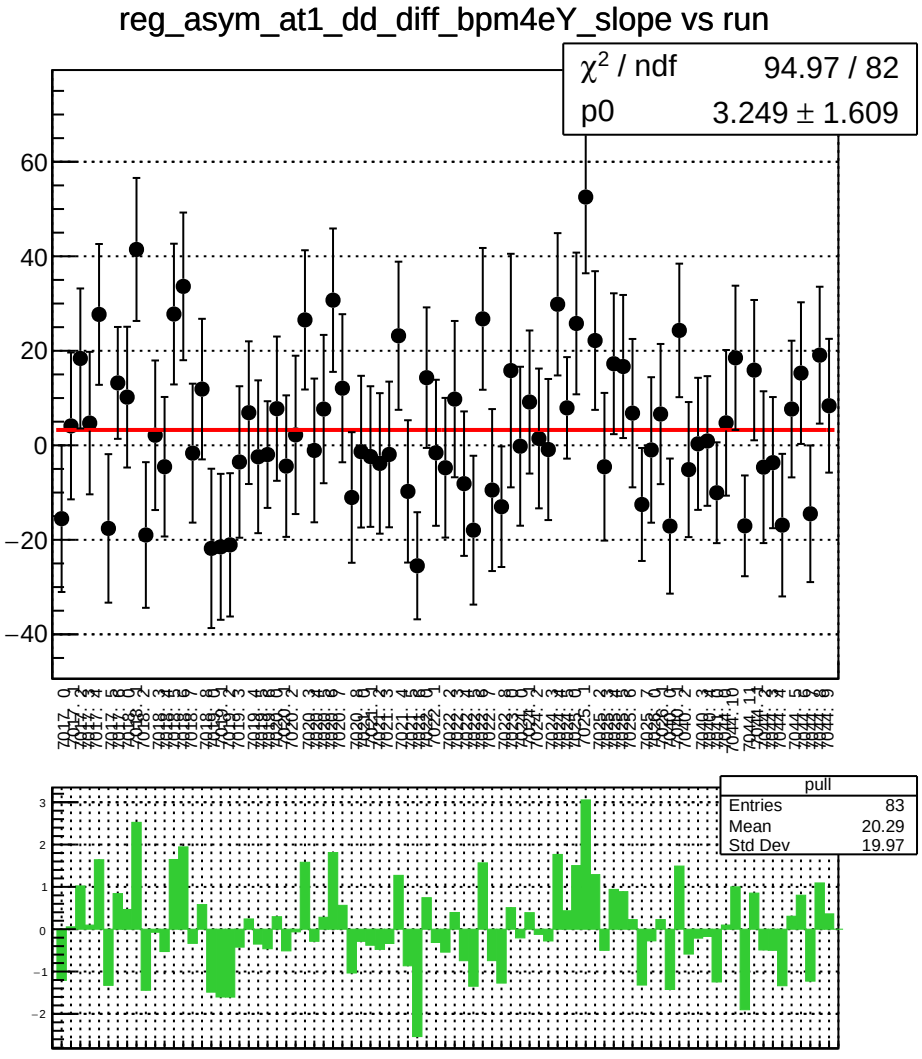

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 100.8 / 82
p0 7.294 ± 2.223
pull
Entries 83
Mean −395.9
Std Dev 439

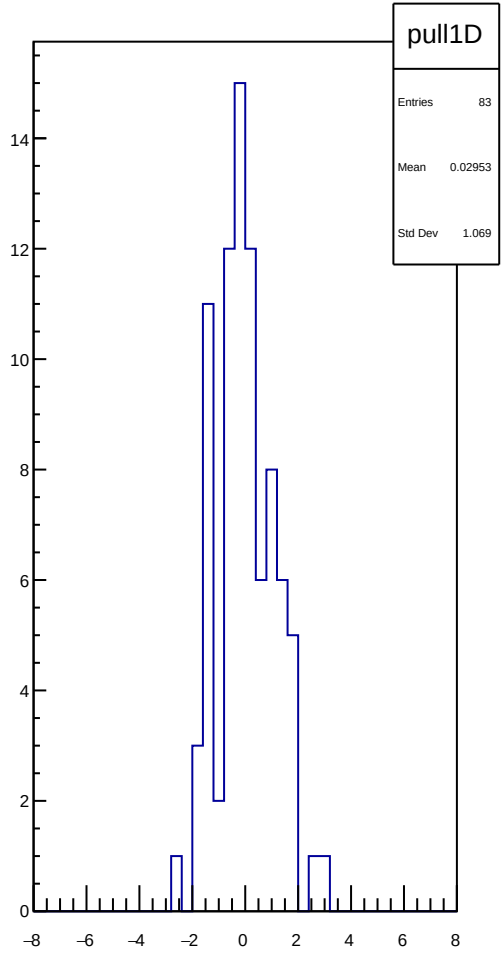

pull1D
Entries 83
Mean −0.009729
Std Dev 1.102

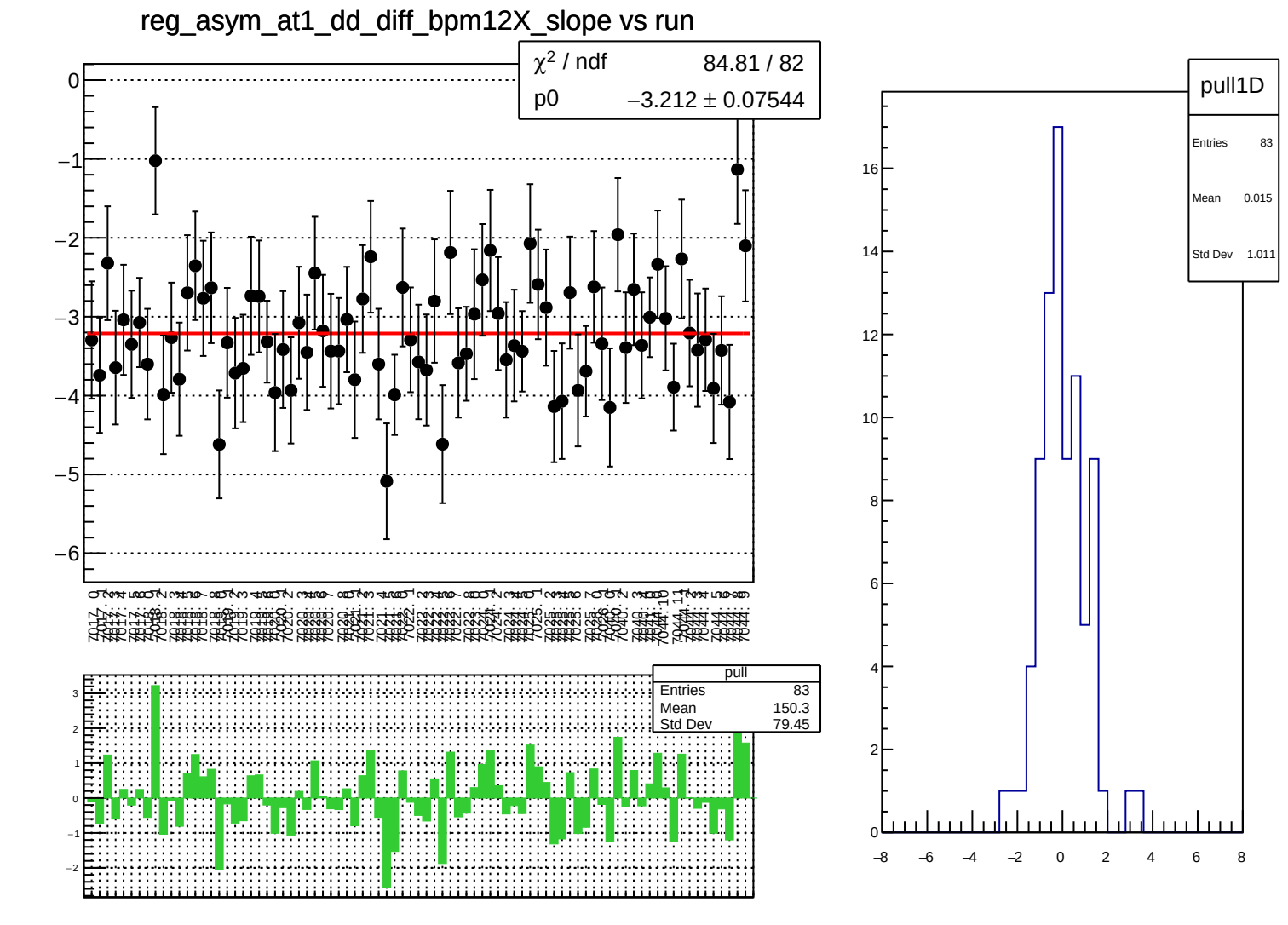

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 93.97 / 82
p0 −0.586 ± 1.483
pull
Entries 83
Mean 6.203
Std Dev 13.21
pull1D
Entries 83
Mean −0.03064
Std Dev 1.064

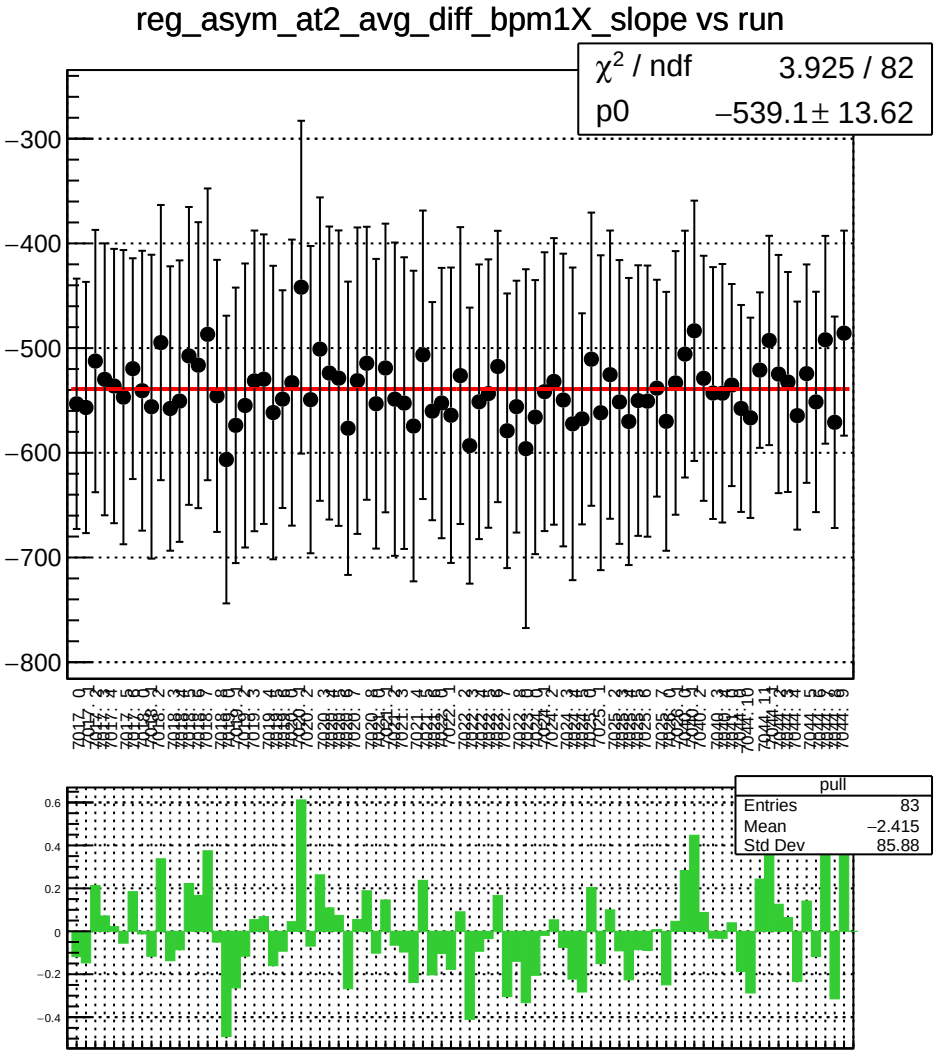

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 102 / 82
p0 41.05 ± 2.069
pull
Entries 83
Mean −322.9
Std Dev 366.4

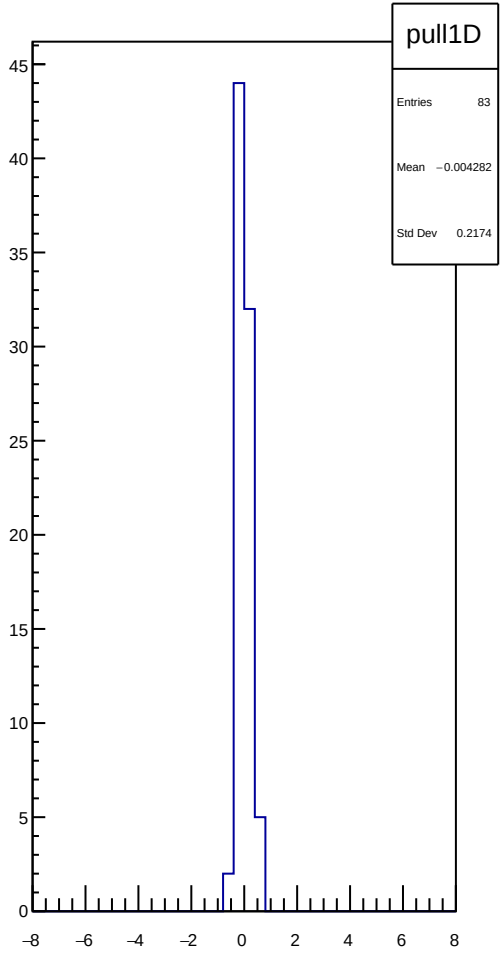

pull1D
Entries 83
Mean 0.01179
Std Dev 1.108

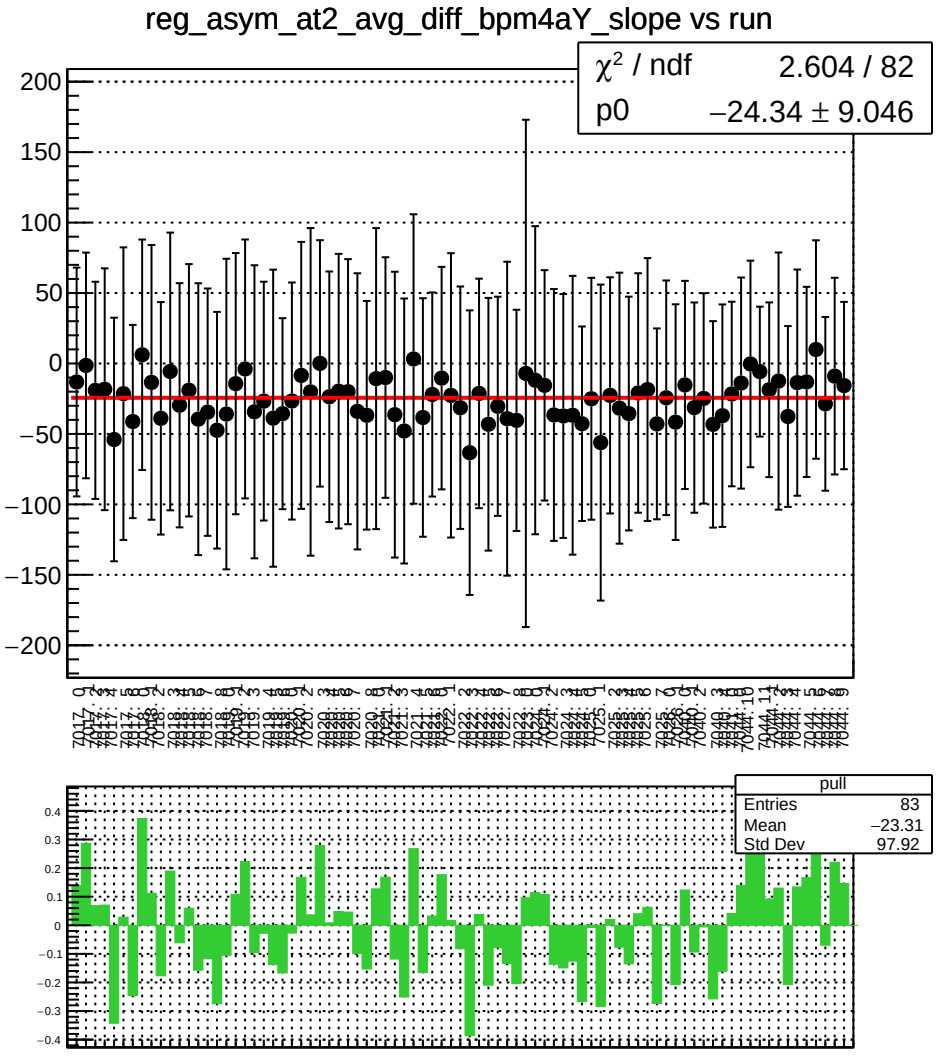

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 94.97 / 82
p0 3.249 ± 1.609
pull
Entries 83
Mean 20.29
Std Dev 19.97

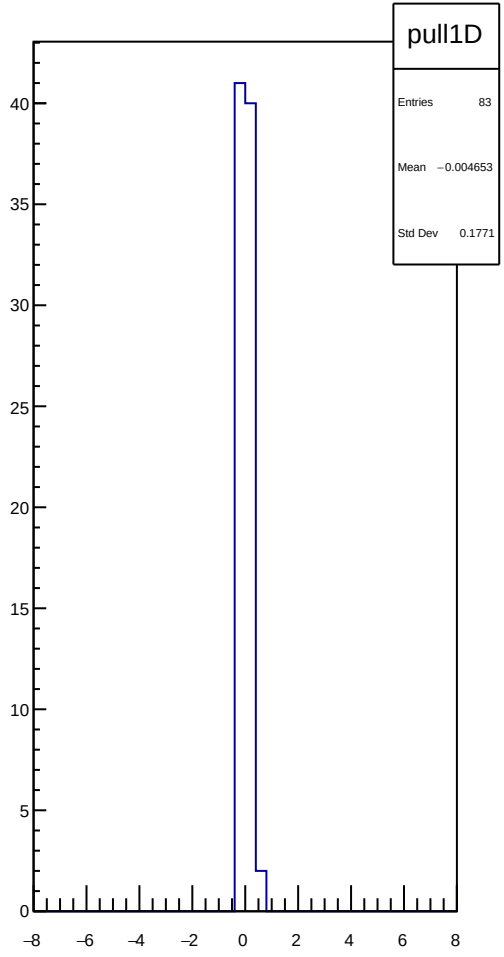

pull1D
Entries 83
Mean 0.02953
Std Dev 1.069

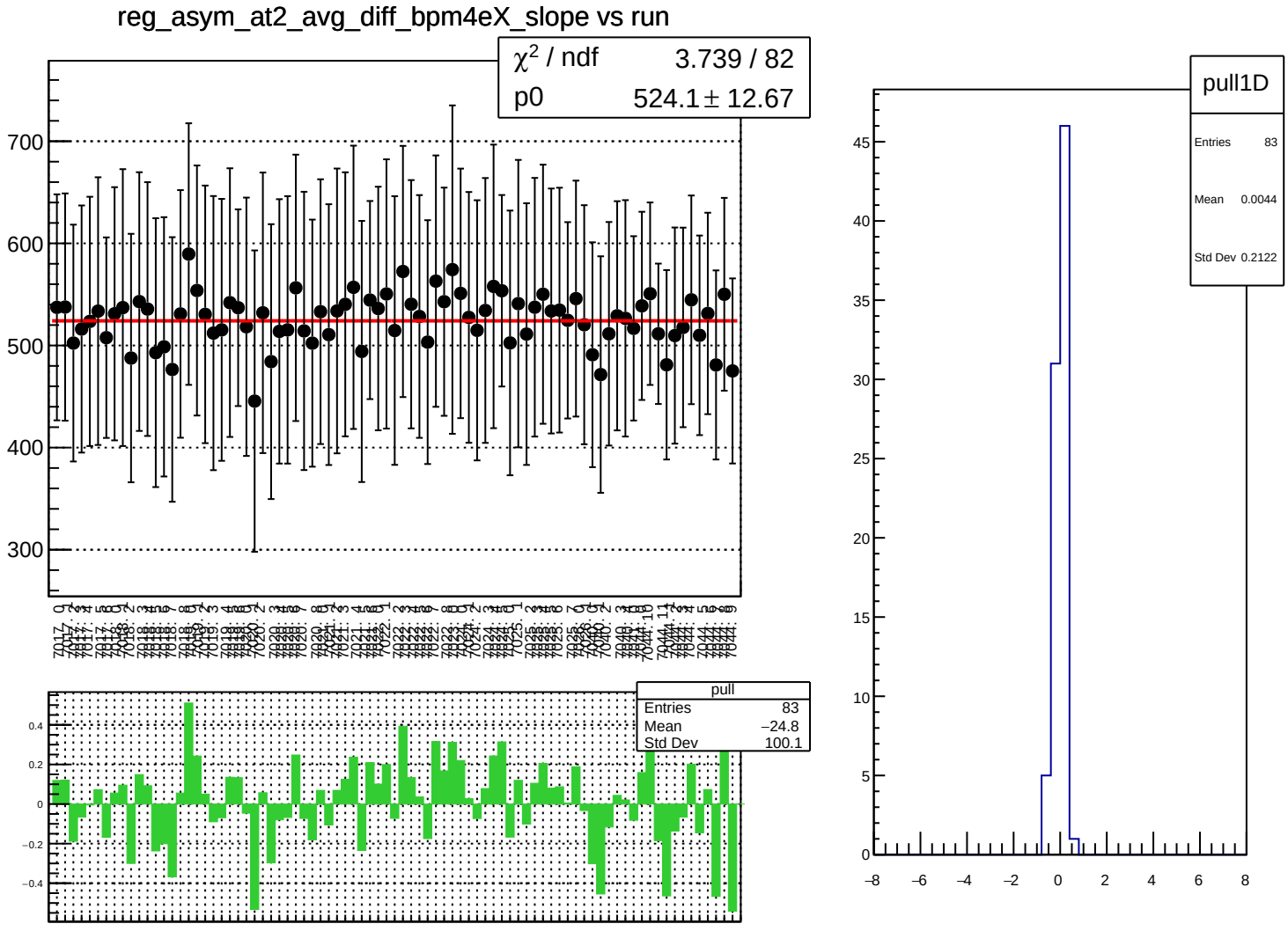

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 84.81 / 82
p0 −3.212 ± 0.07544
pull
Entries 83
Mean 150.3
Std Dev 79.45
pull1D
Entries 83
Mean 0.015
Std Dev 1.011

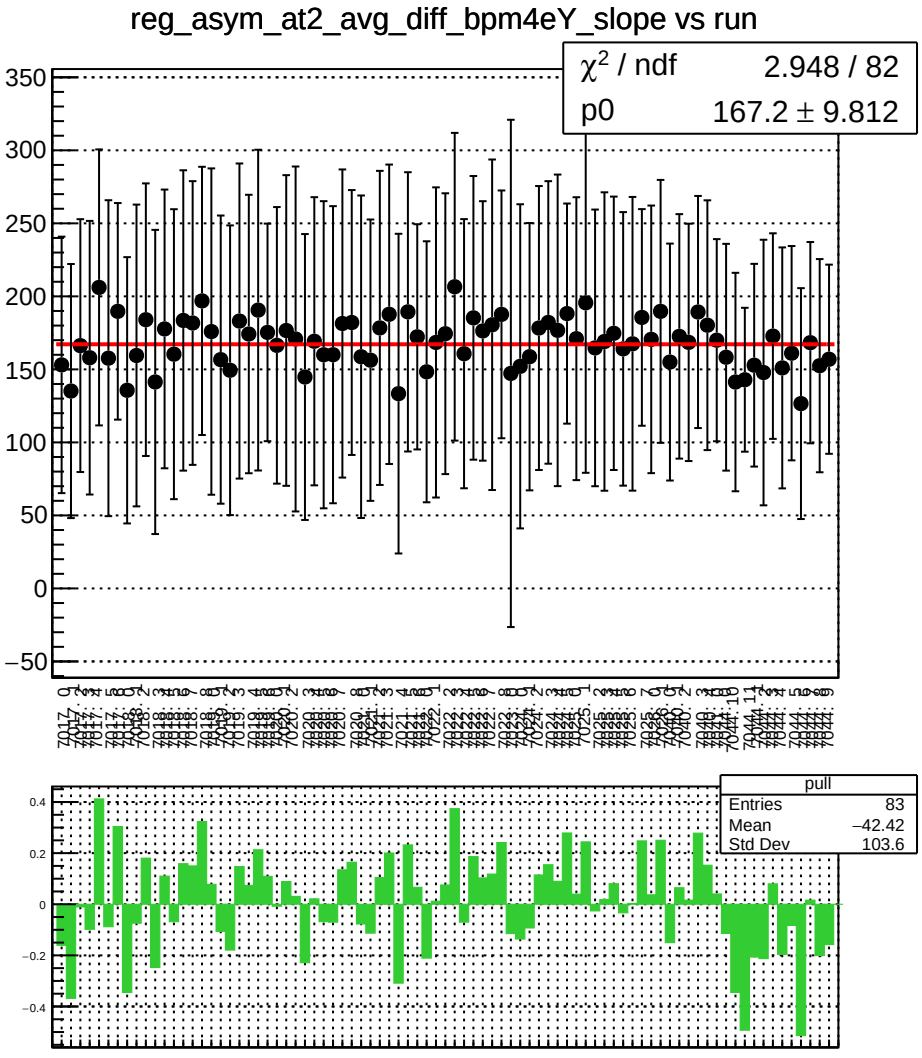

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 3.925 / 82
p0 −539.1 ± 13.62
pull
Entries 83
Mean −2.415
Std Dev 85.88

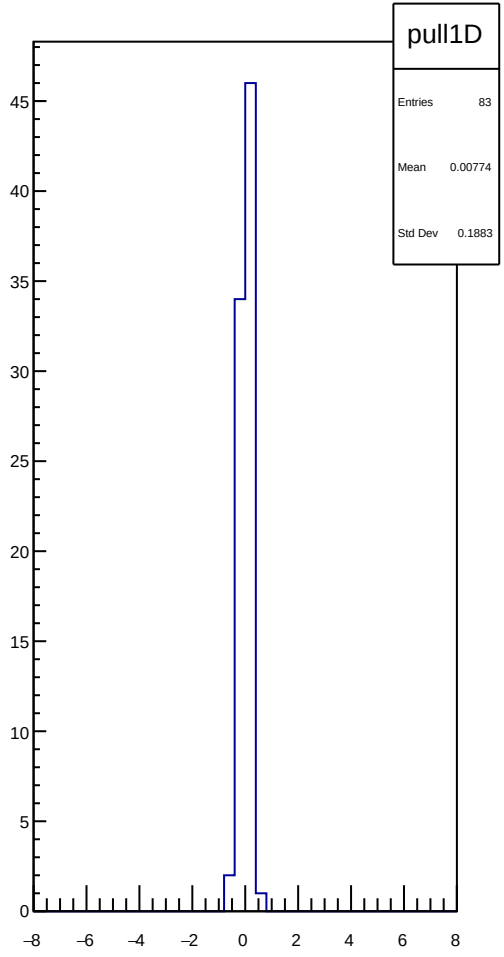

pull1D
Entries 83
Mean −0.004282
Std Dev 0.2174

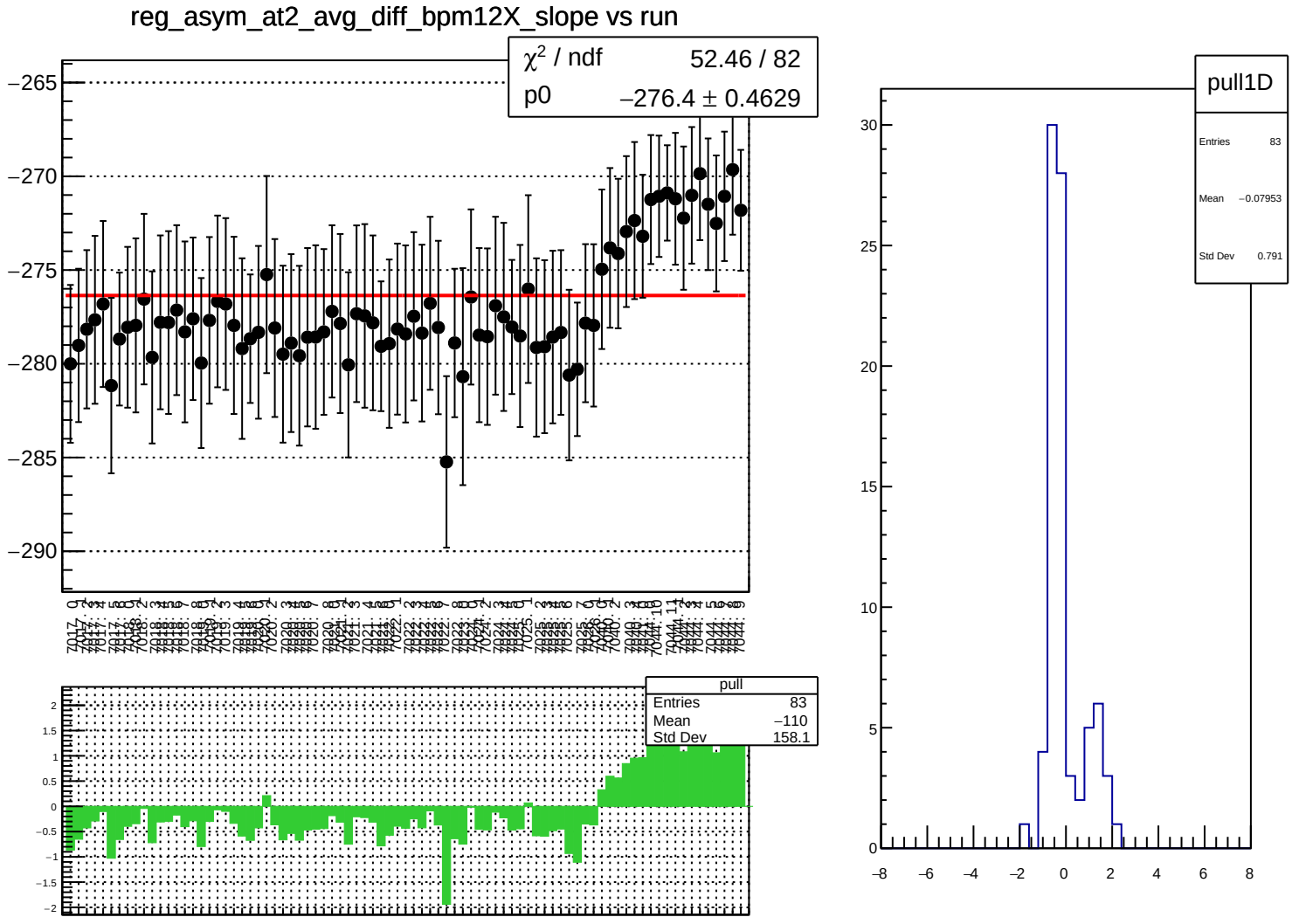

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.604 / 82
p0 −24.34 ± 9.046
pull
Entries 83
Mean −23.31
Std Dev 97.92

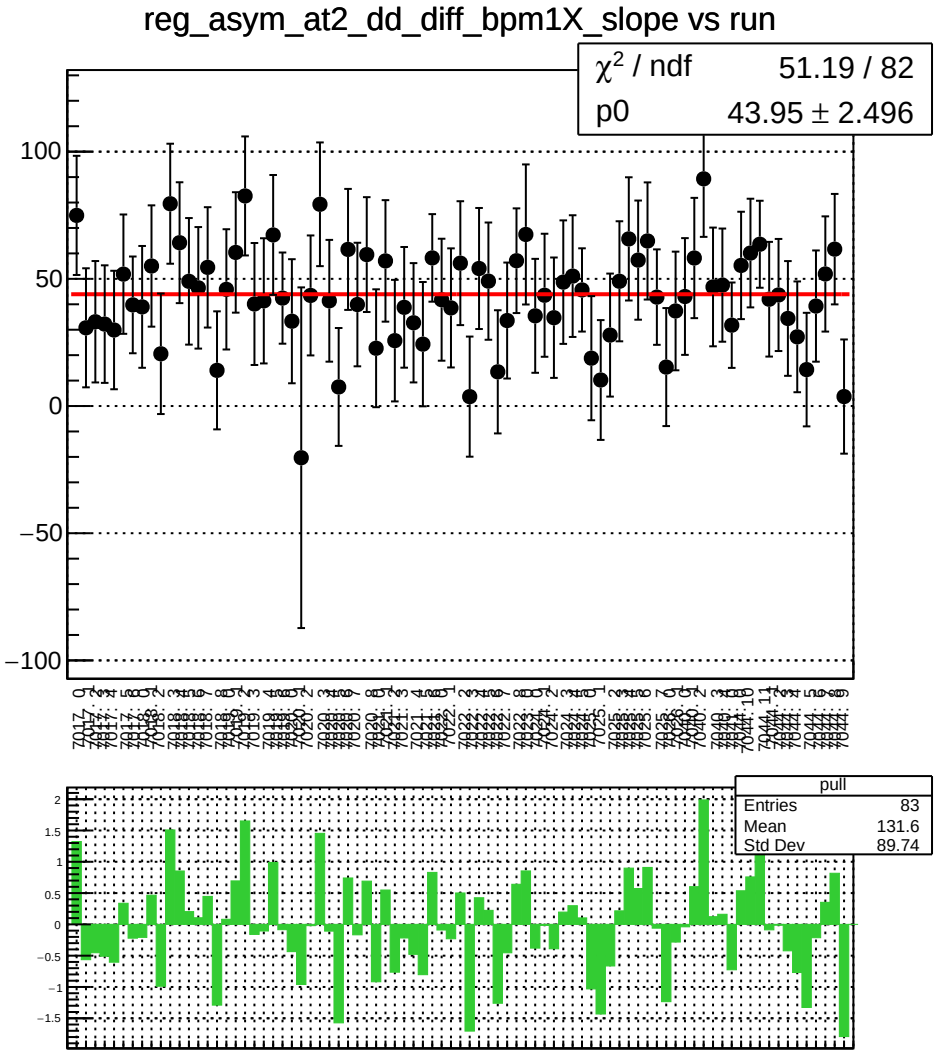

pull1D
Entries 83
Mean −0.004653
Std Dev 0.1771

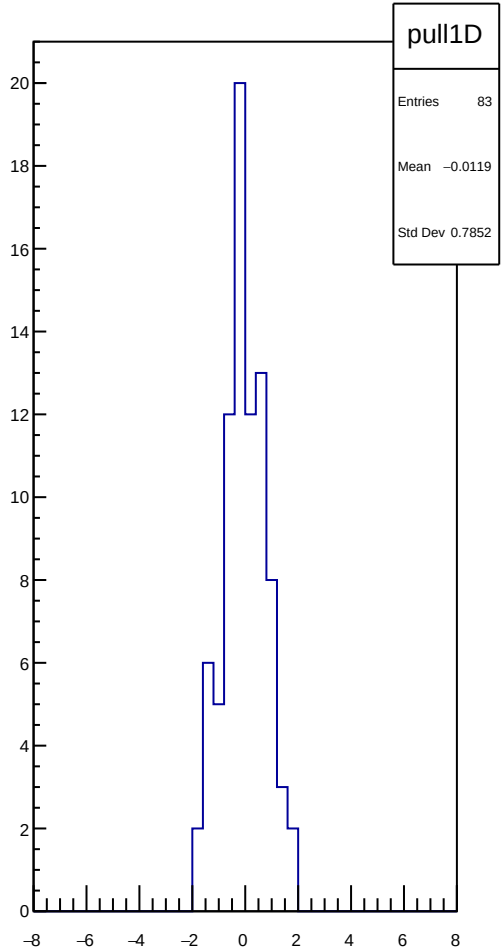

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.739 / 82
p0 524.1 ± 12.67
pull
Entries 83
Mean −24.8
Std Dev 100.1
pull1D
Entries 83
Mean 0.0044
Std Dev 0.2122

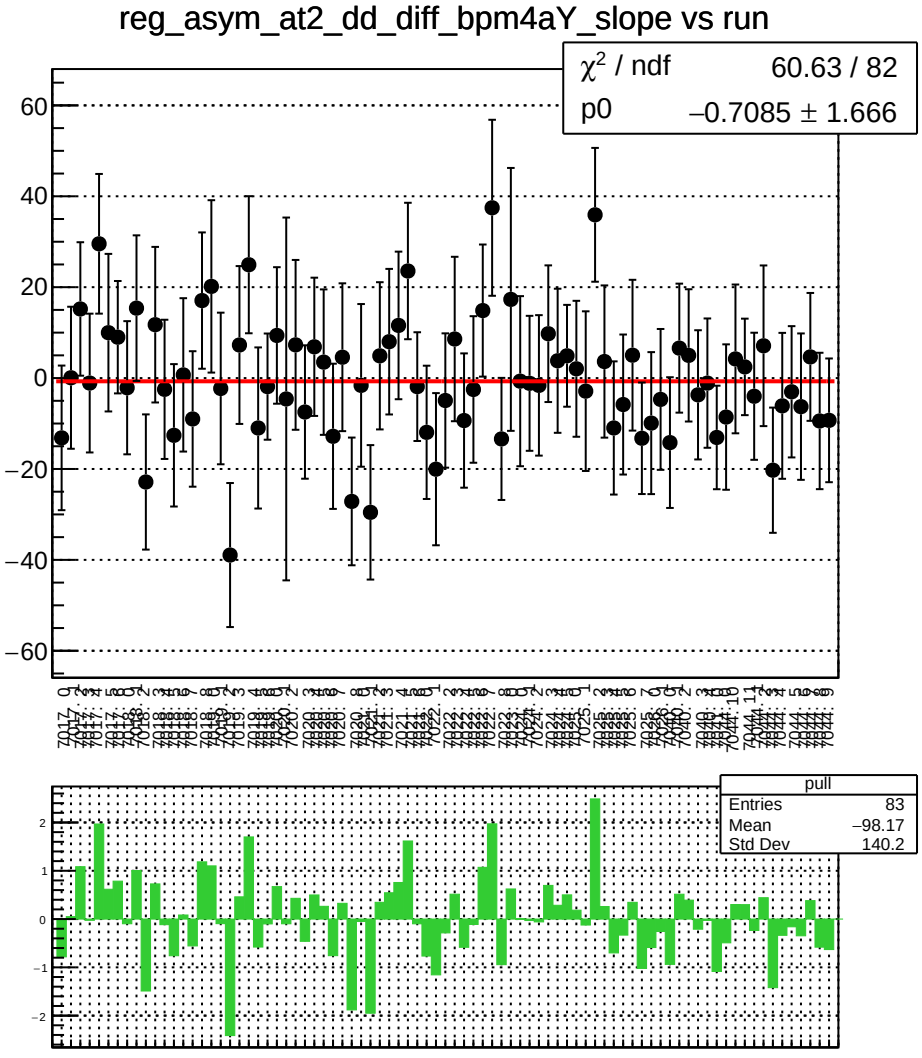

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.948 / 82
p0 167.2 ± 9.812
pull
Entries 83
Mean −42.42
Std Dev 103.6

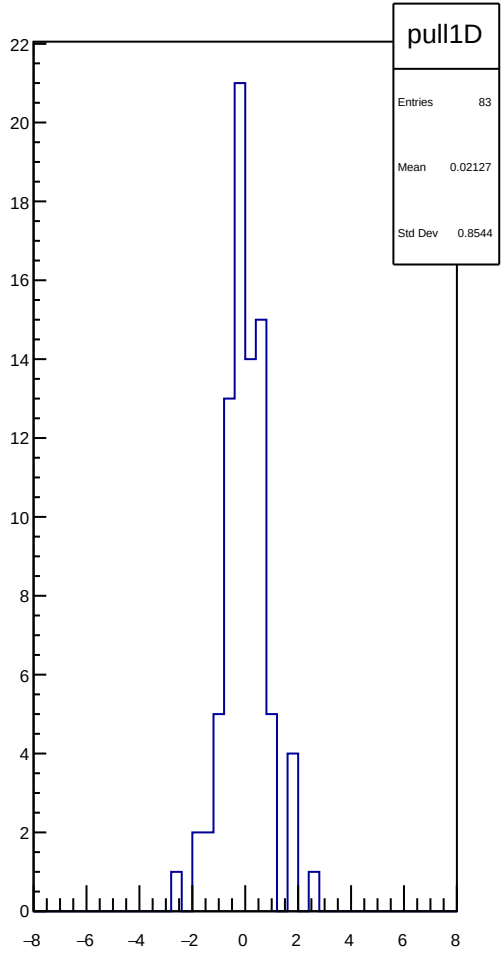

pull1D
Entries 83
Mean 0.00774
Std Dev 0.1883

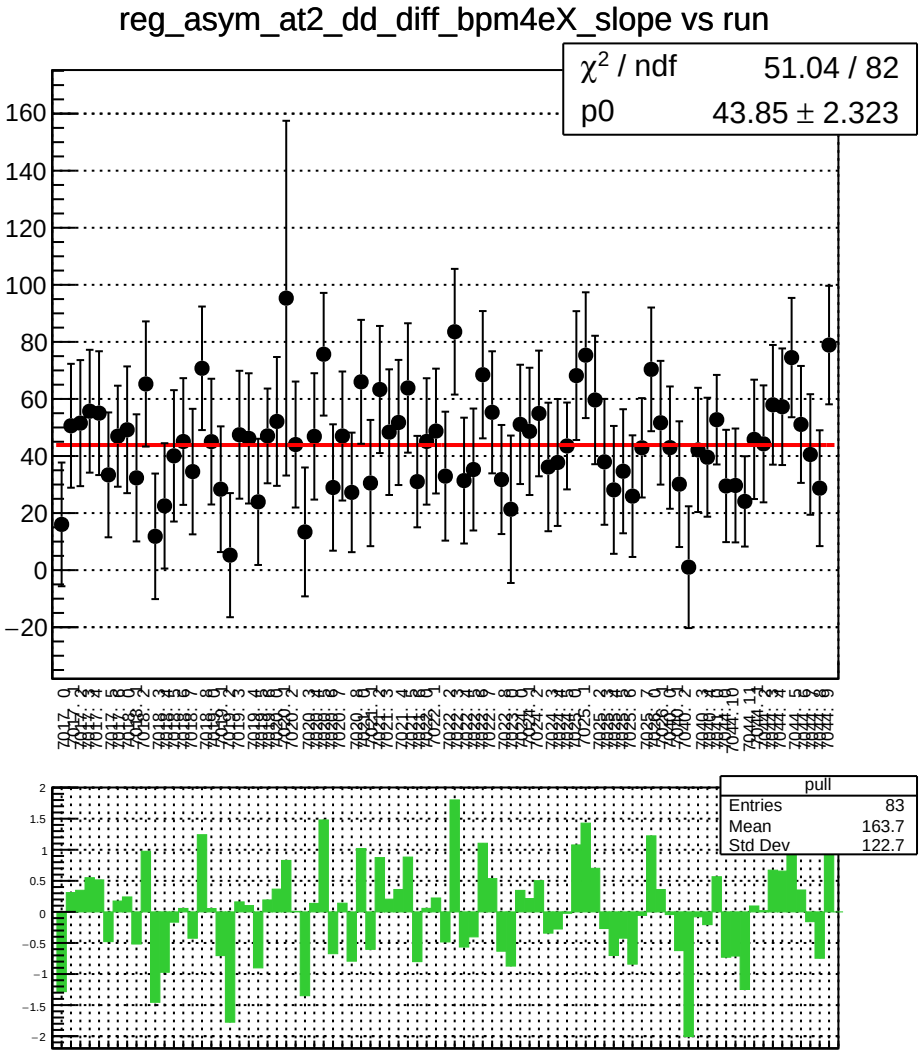

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 52.46 / 82
p0 −276.4 ± 0.4629
pull
Entries 83
Mean −110
Std Dev 158.1
pull1D
Entries 83
Mean −0.07953
Std Dev 0.791

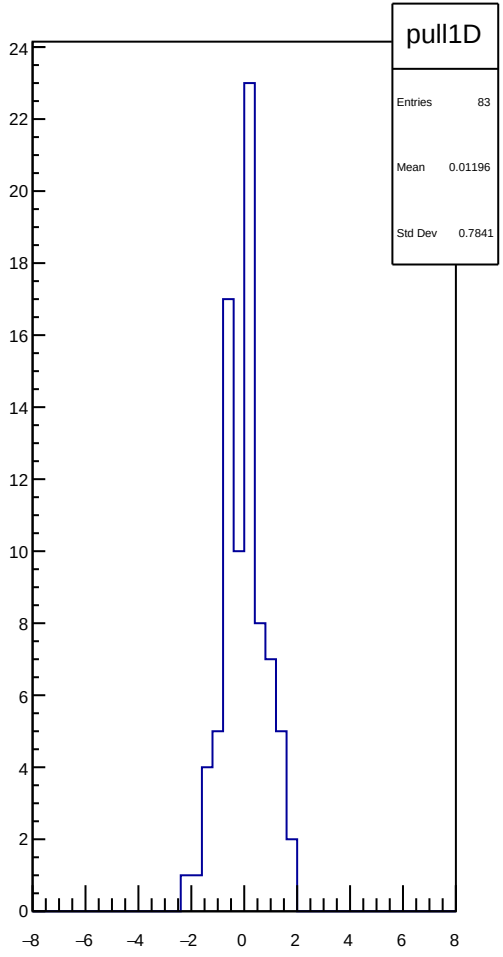

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 51.19 / 82
p0 43.95 ± 2.496
pull
Entries 83
Mean 131.6
Std Dev 89.74

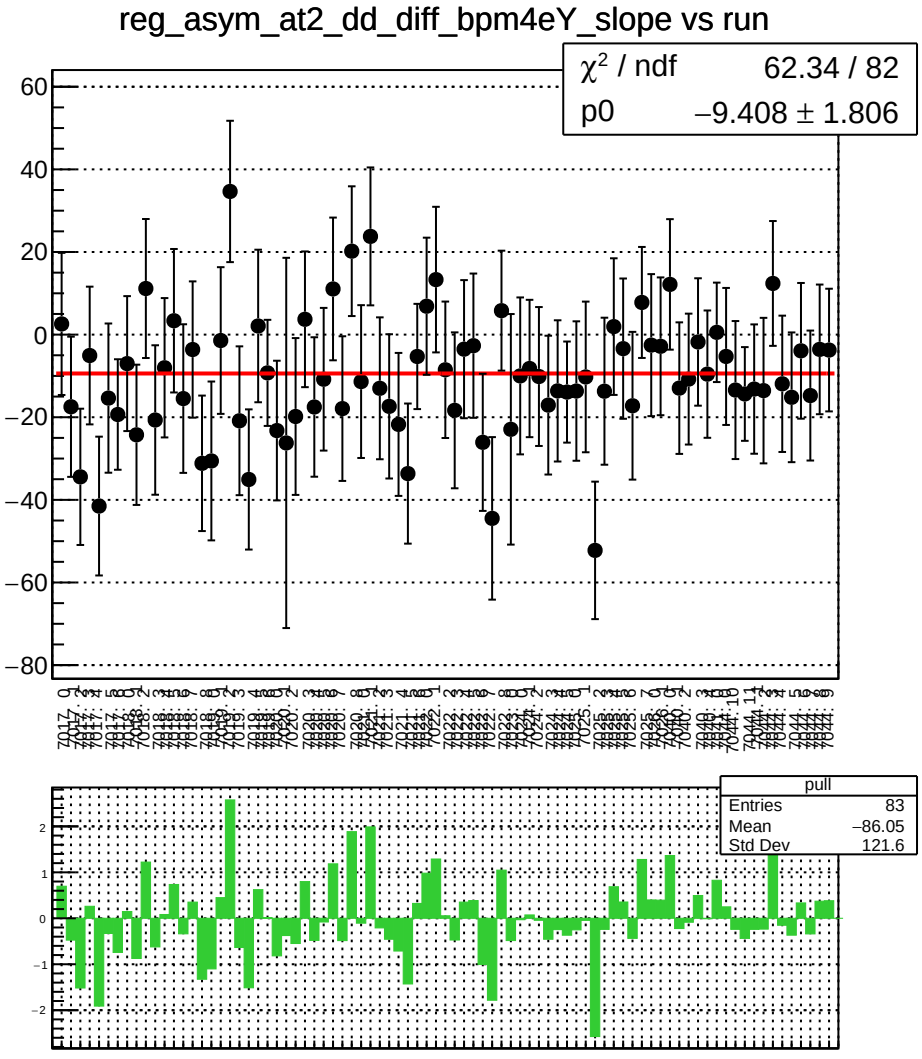

pull1D
Entries 83
Mean −0.0119
Std Dev 0.7852

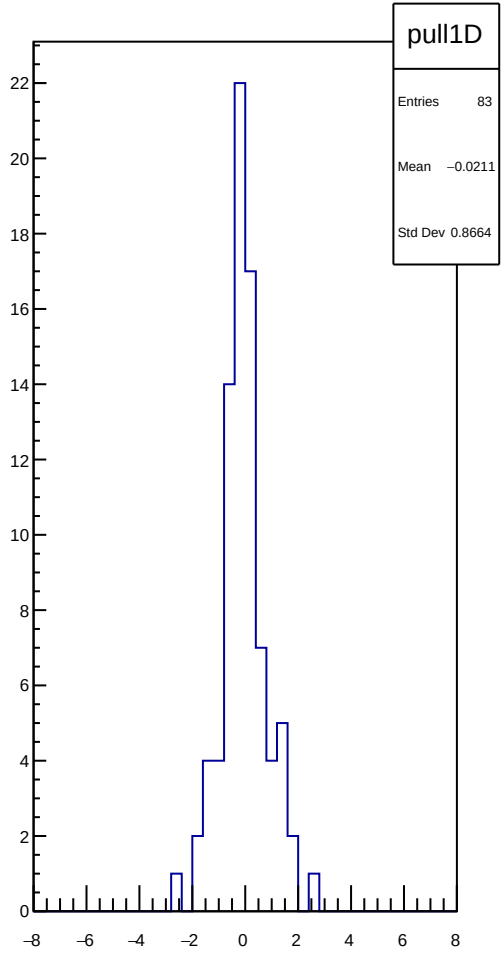

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 60.63 / 82
p0 –0.7085 ± 1.666
pull
Entries 83
Mean –98.17
Std Dev 140.2

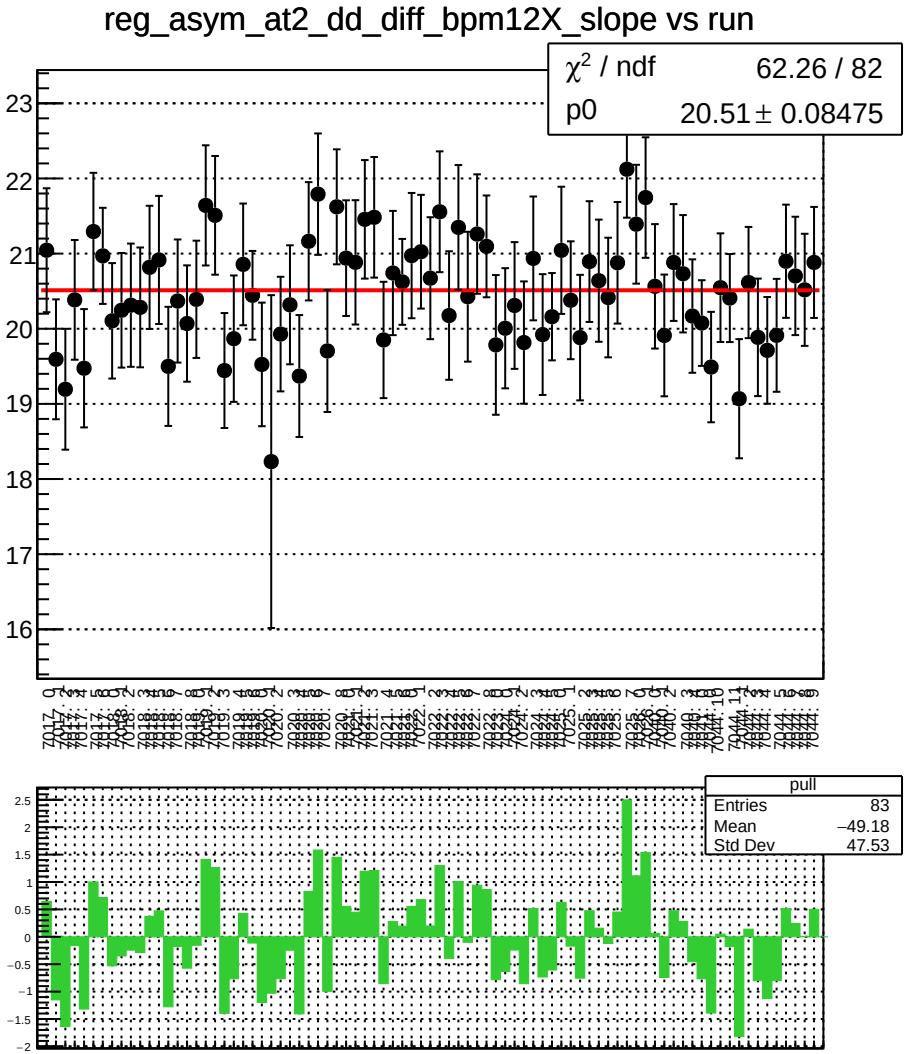

pull1D
Entries 83
Mean 0.02127
Std Dev 0.8544

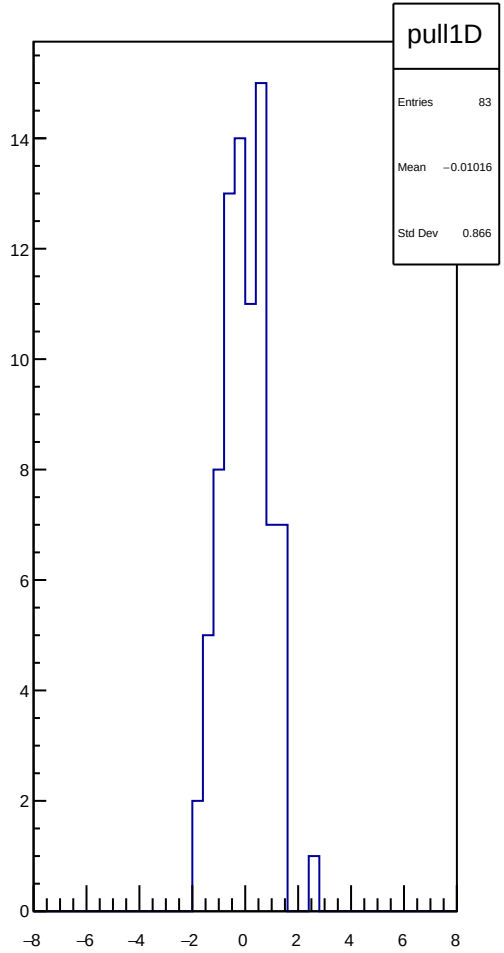

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.04 / 82
p0 43.85 ± 2.323
pull
Entries 83
Mean 163.7
Std Dev 122.7

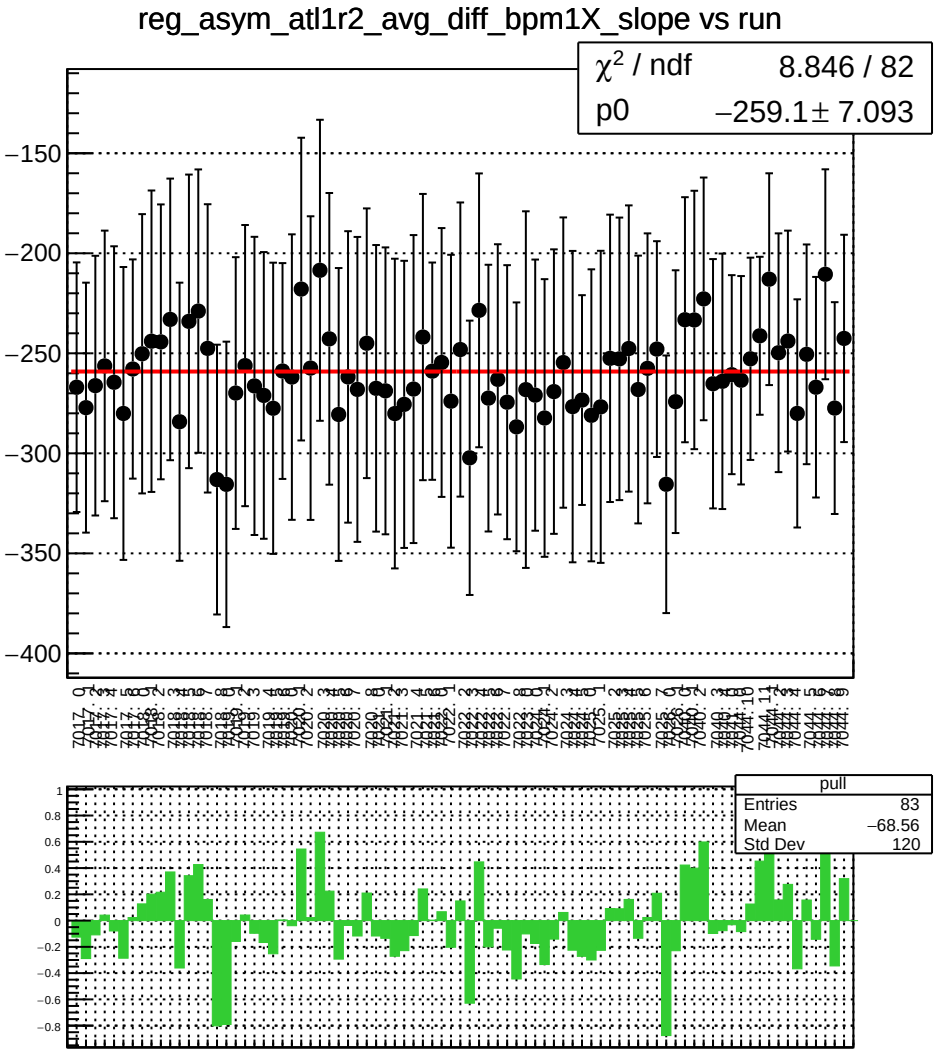

pull1D
Entries 83
Mean 0.01196
Std Dev 0.7841

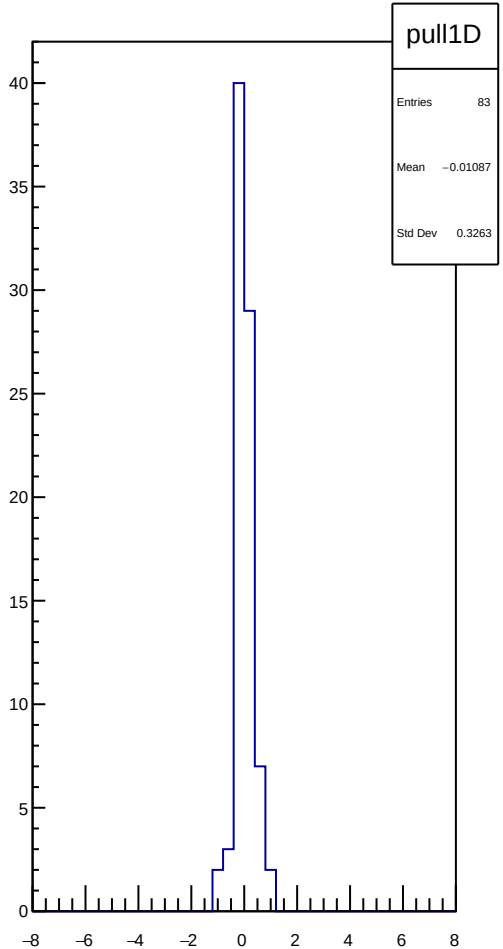

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.34 / 82
p0 −9.408 ± 1.806
pull
Entries 83
Mean −86.05
Std Dev 121.6

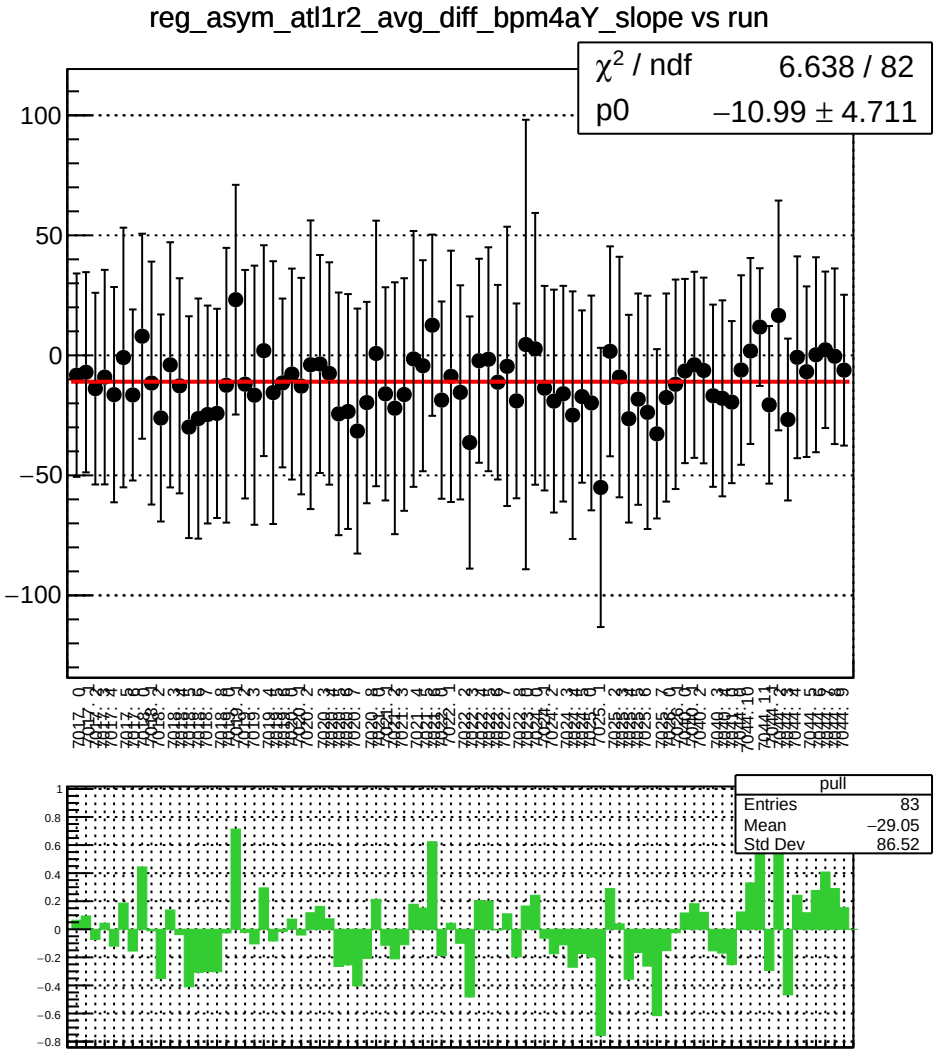

pull1D
Entries 83
Mean −0.0211
Std Dev 0.8664

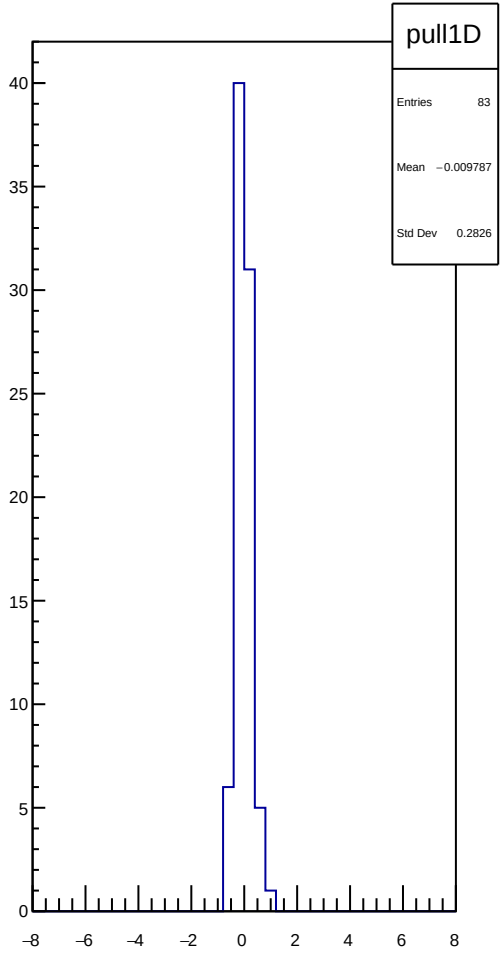

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 62.26 / 82
p0 20.51 ± 0.08475
pull
Entries 83
Mean −49.18
Std Dev 47.53

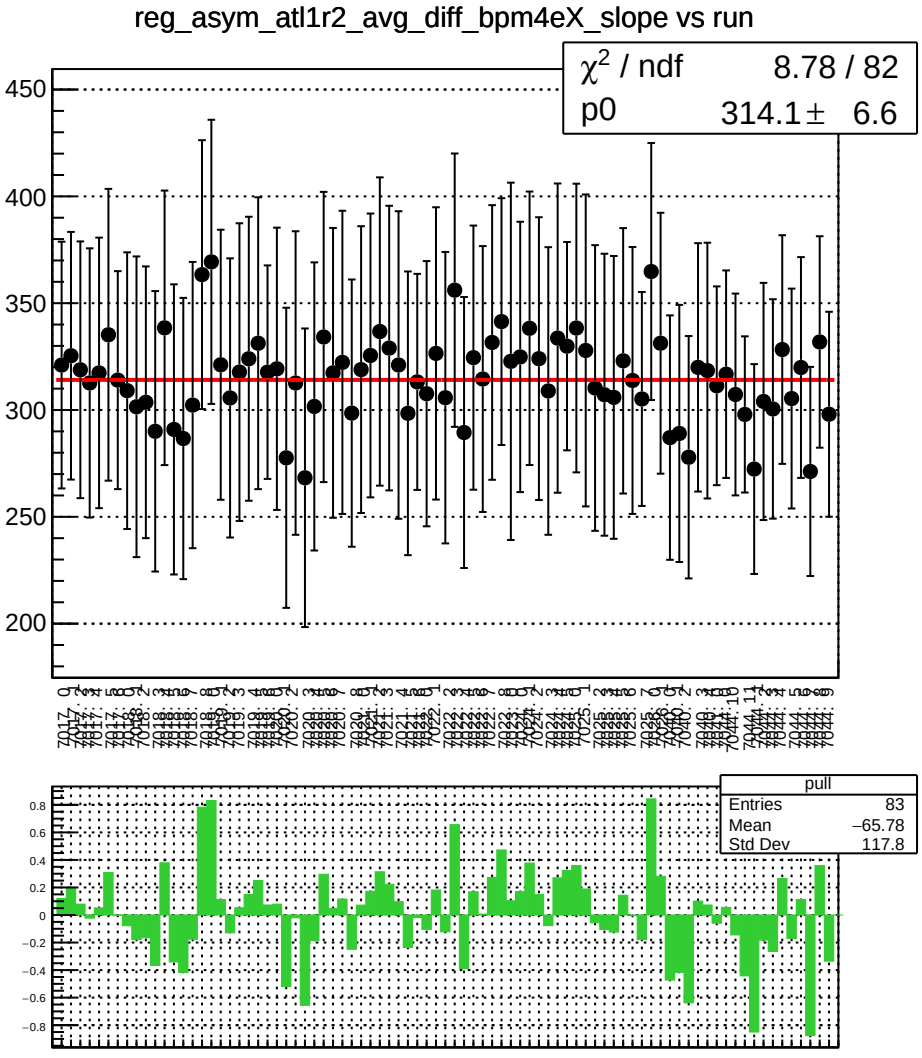

pull1D
Entries 83
Mean −0.01016
Std Dev 0.866

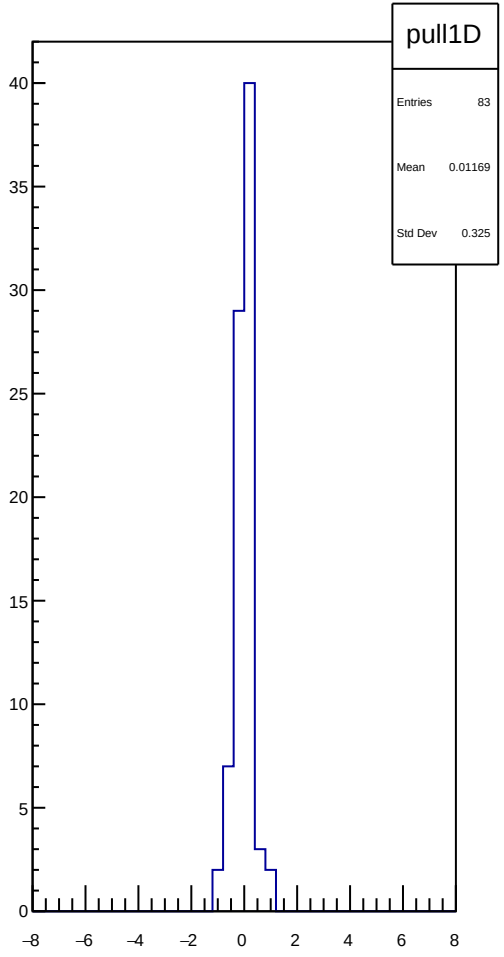

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.846 / 82
p0 −259.1± 7.093
pull
Entries 83
Mean −68.56
Std Dev 120

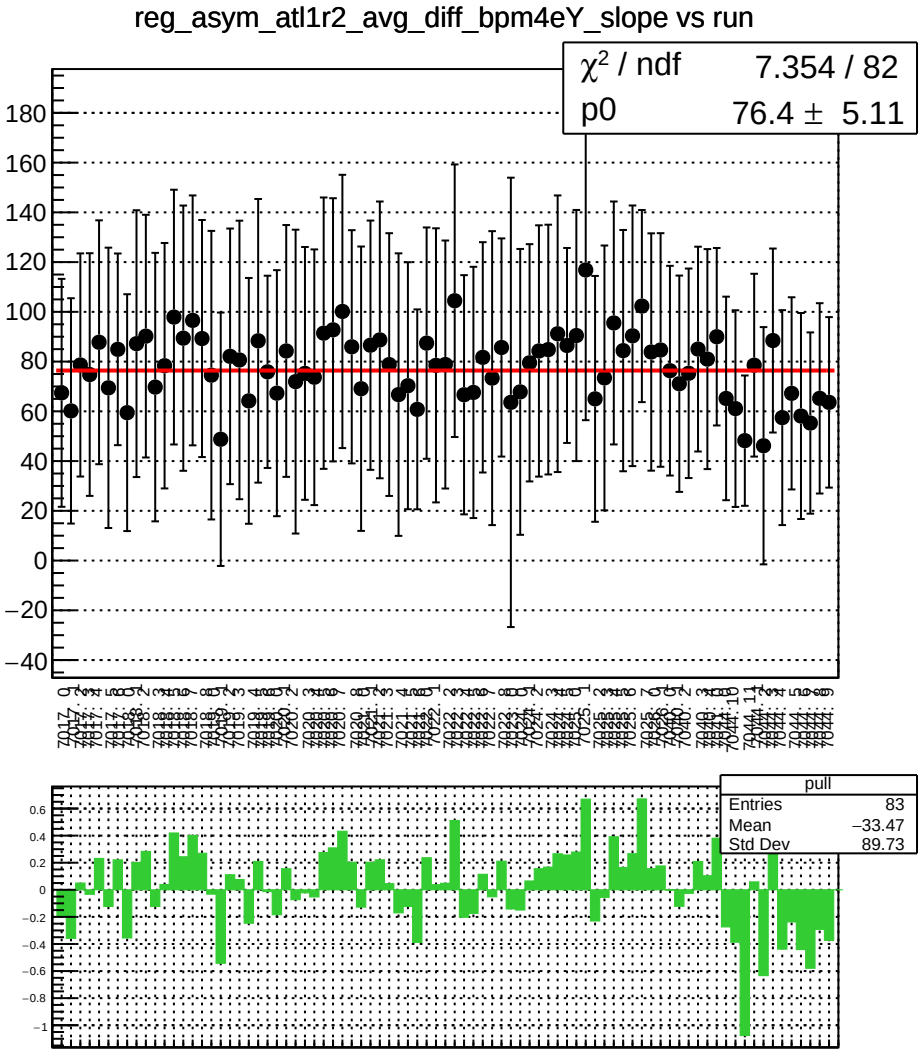

pull1D
Entries 83
Mean −0.01087
Std Dev 0.3263

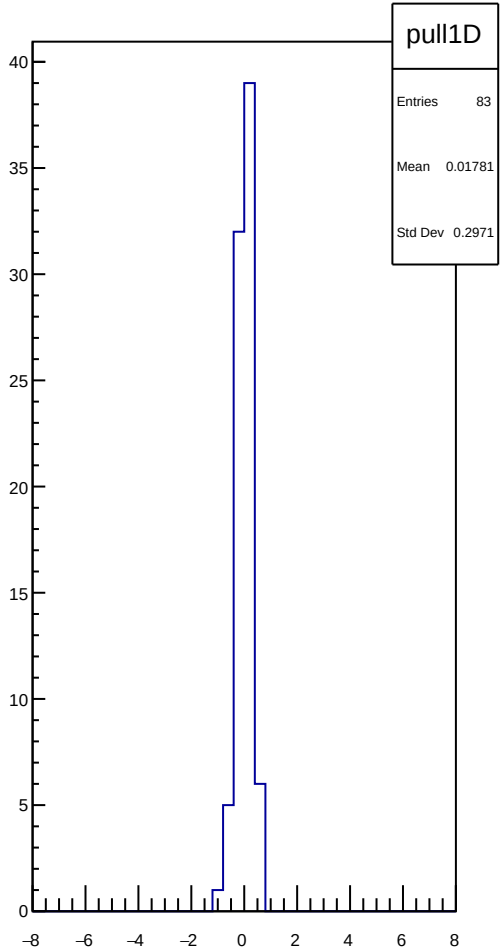

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 6.638 / 82
p0 −10.99 ± 4.711
pull
Entries 83
Mean −29.05
Std Dev 86.52

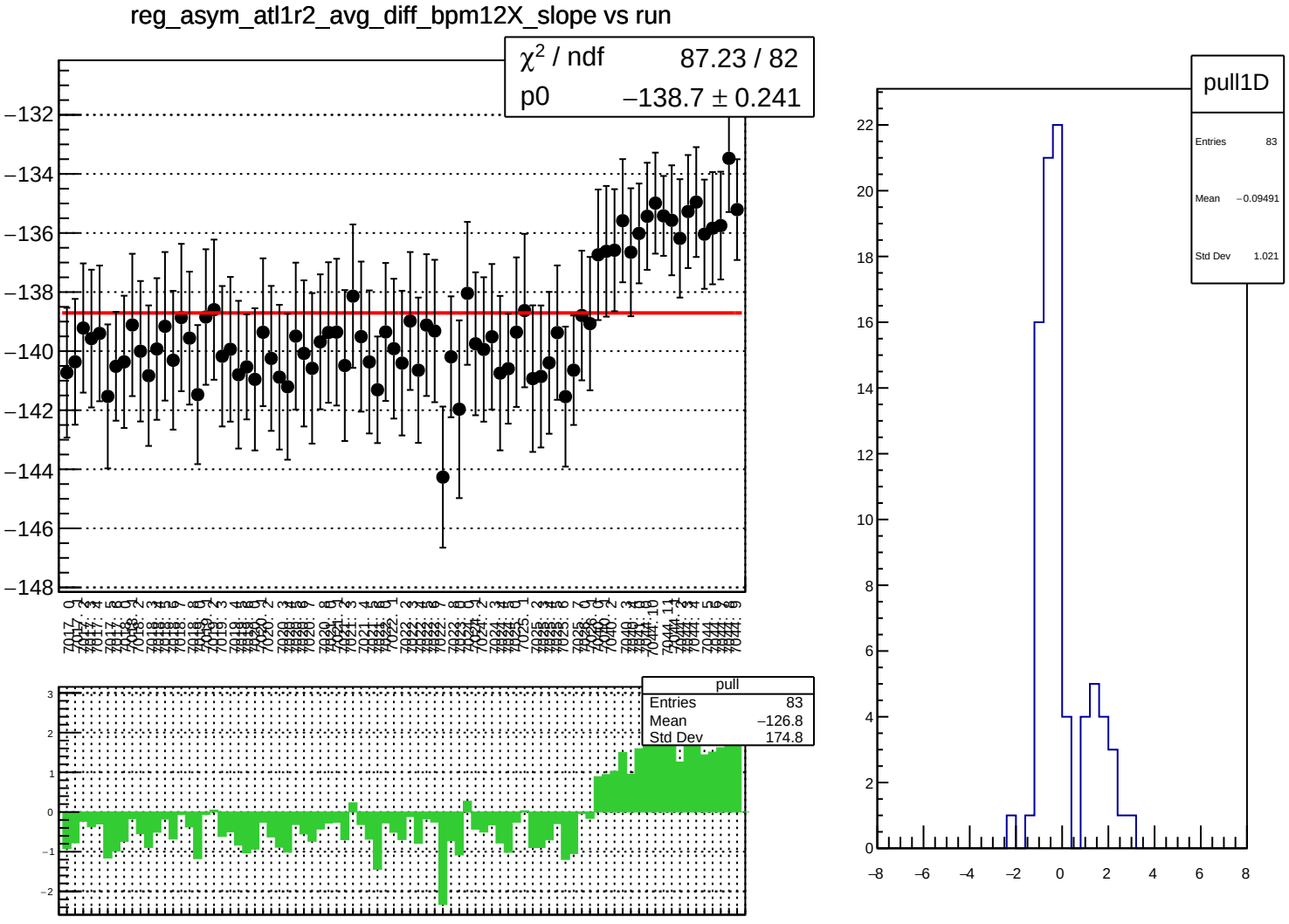

pull1D
Entries 83
Mean −0.009787
Std Dev 0.2826

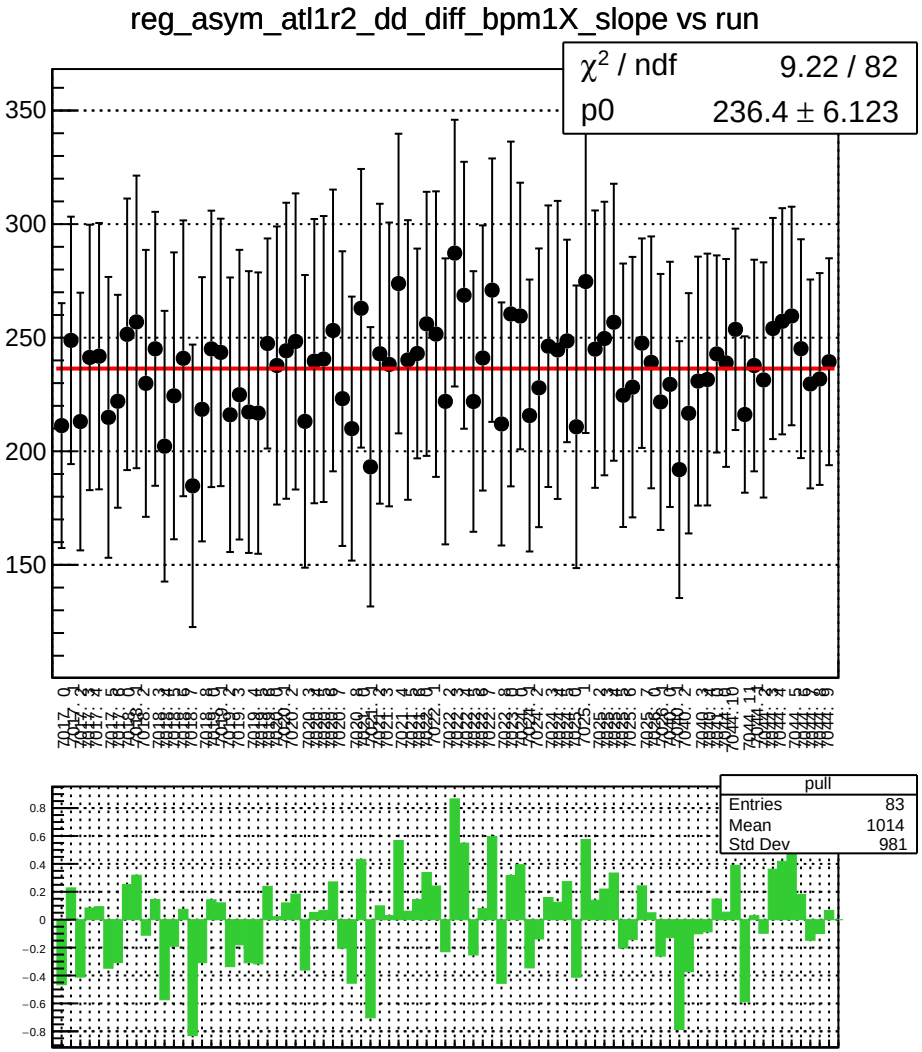

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 8.78 / 82
p0 314.1 ± 6.6
pull
Entries 83
Mean −65.78
Std Dev 117.8

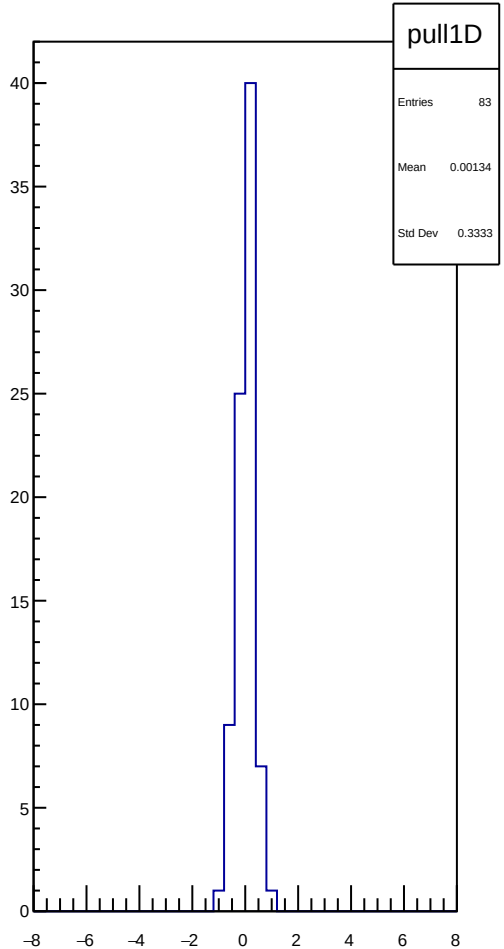

pull1D
Entries 83
Mean 0.01169
Std Dev 0.325

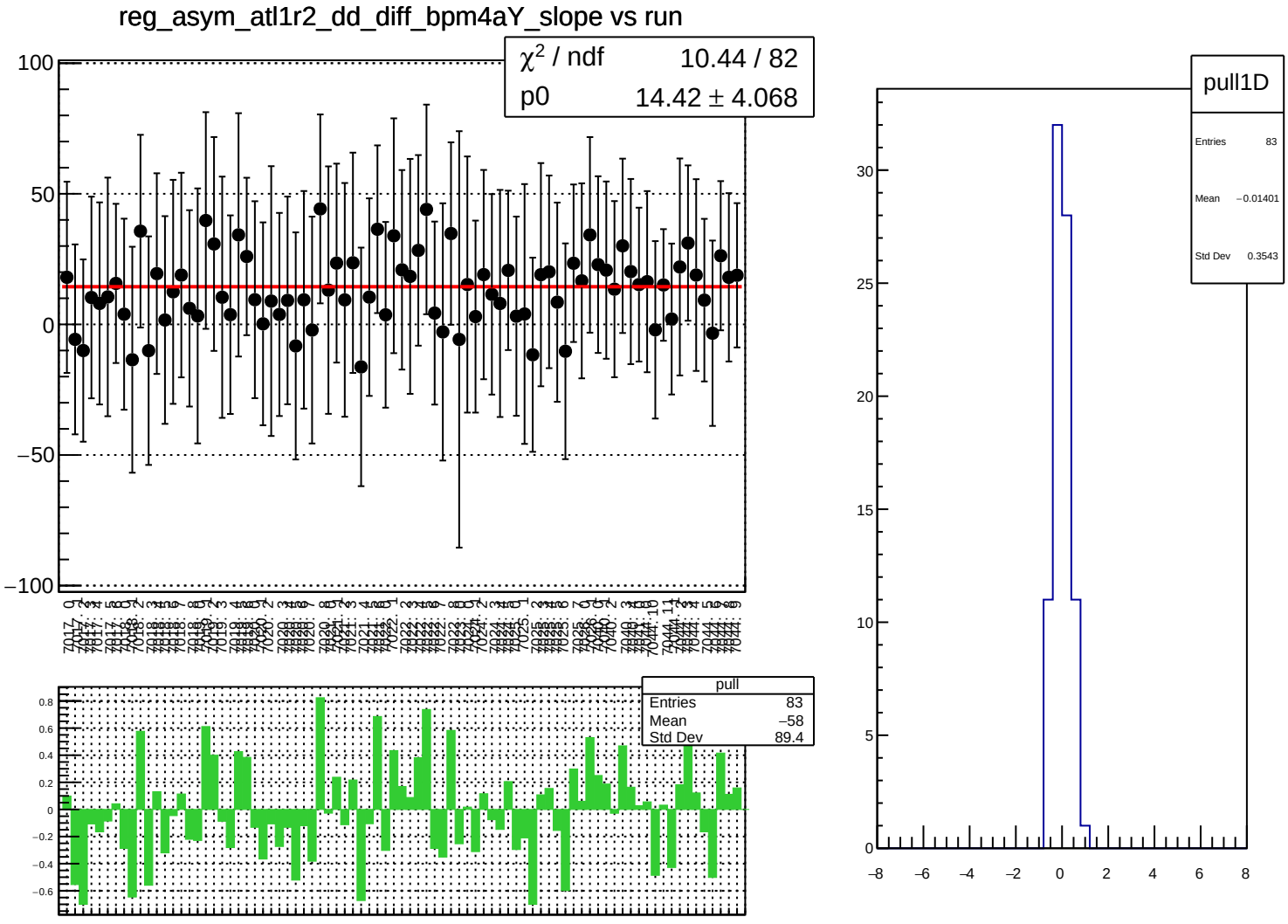

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.354 / 82
p0 76.4 ± 5.11
pull
Entries 83
Mean −33.47
Std Dev 89.73

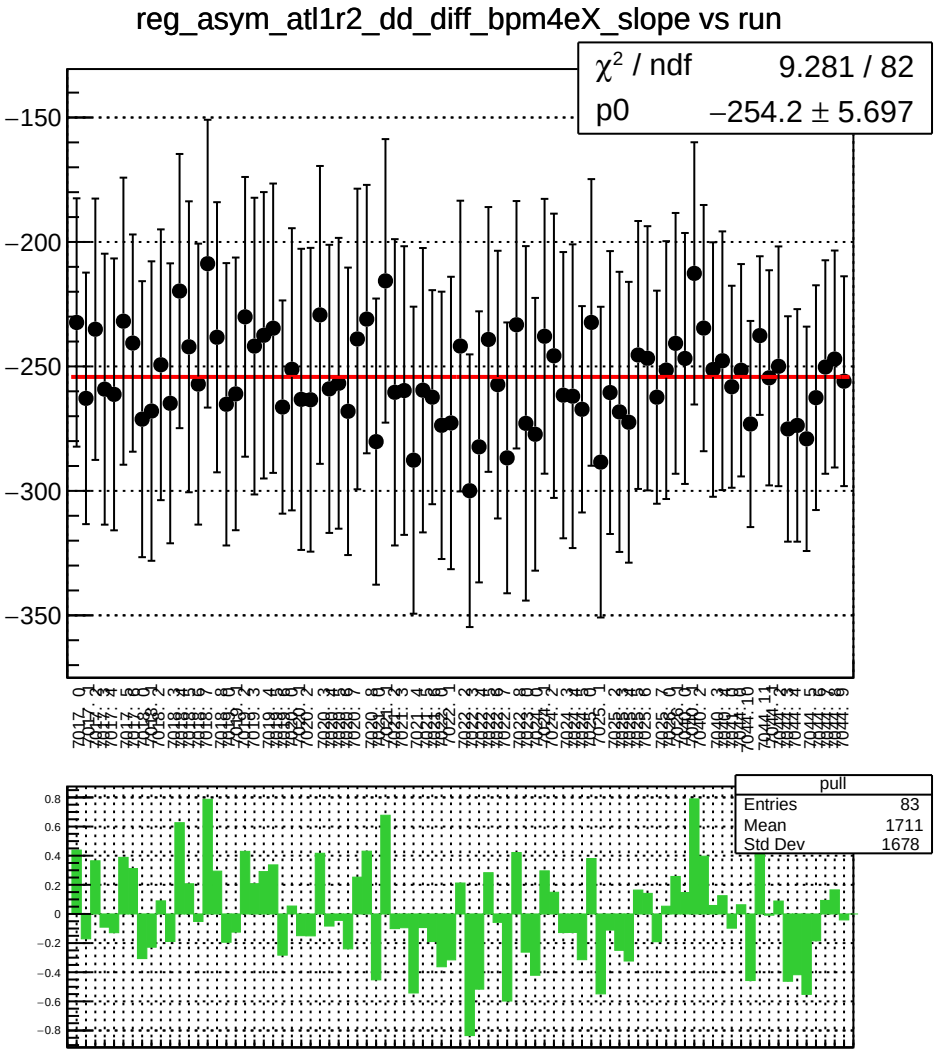

pull1D
Entries 83
Mean 0.01781
Std Dev 0.2971

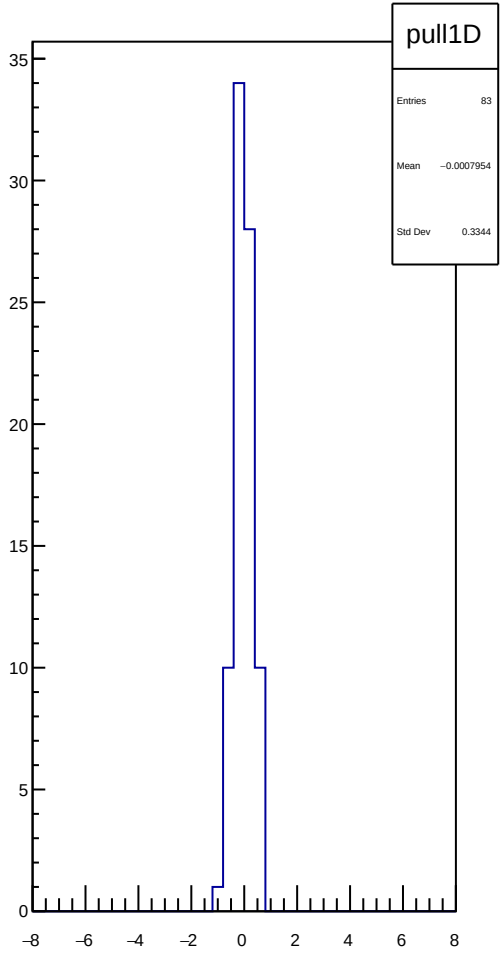

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 87.23 / 82
p0 −138.7 ± 0.241
pull
Entries 83
Mean −126.8
Std Dev 174.8
pull1D
Entries 83
Mean −0.09491
Std Dev 1.021

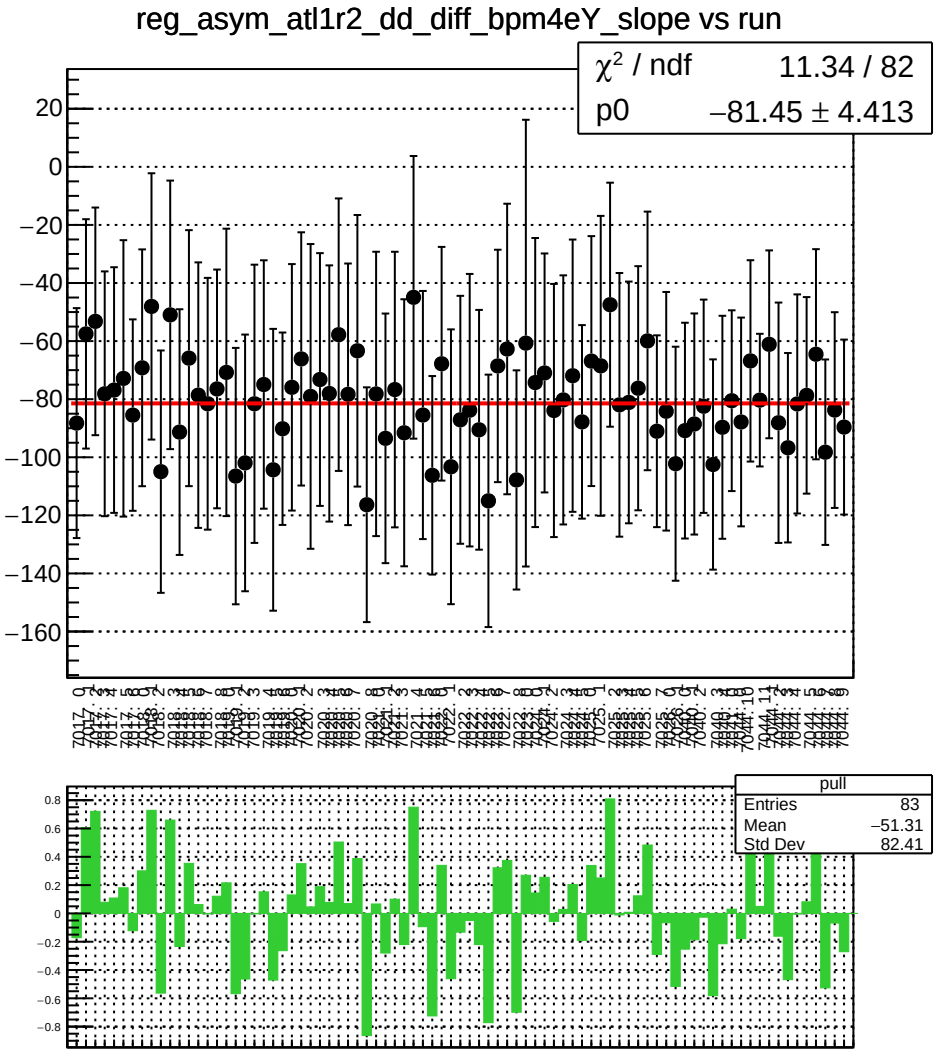

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.22 / 82
p0 236.4 ± 6.123
pull
Entries 83
Mean 1014
Std Dev 981

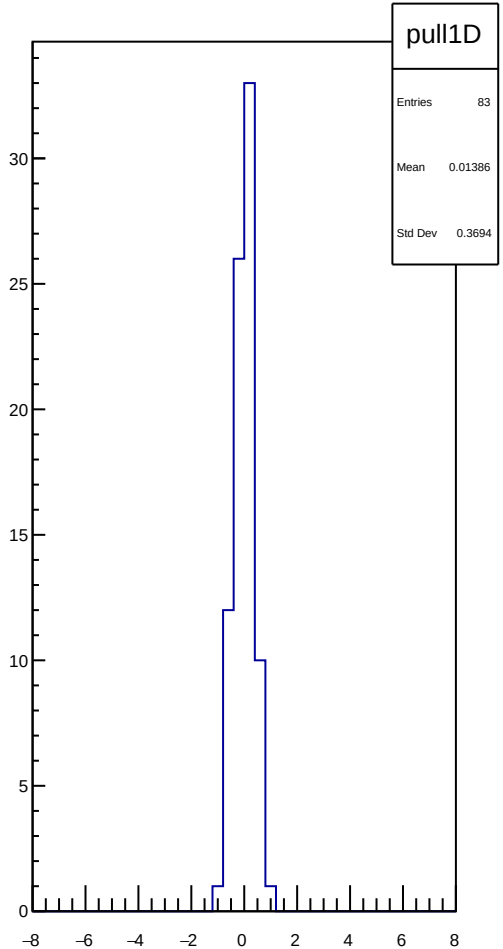

pull1D
Entries 83
Mean 0.00134
Std Dev 0.3333

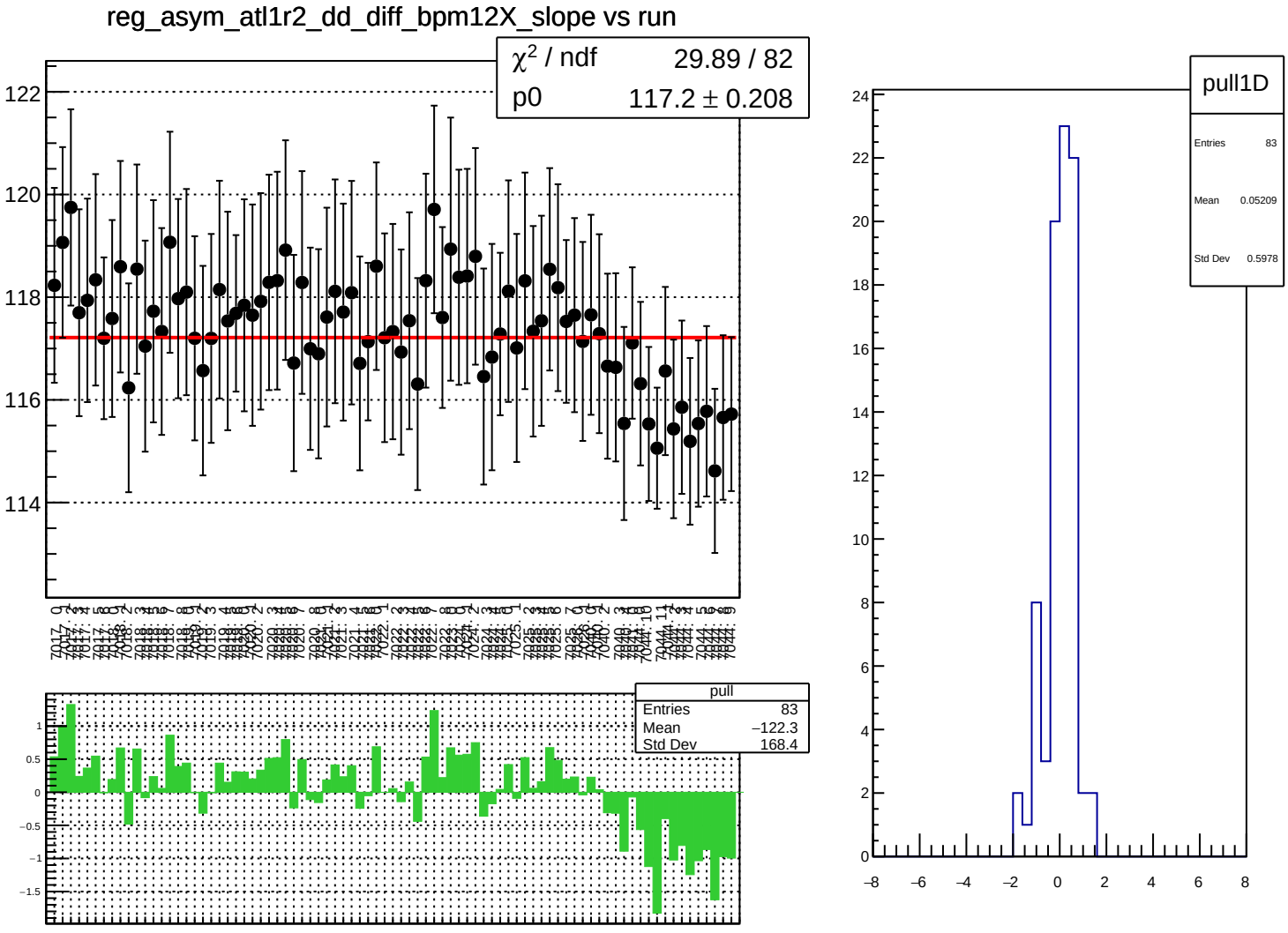

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.44 / 82
p0 14.42 ± 4.068
pull
Entries 83
Mean −58
Std Dev 89.4
pull1D
Entries 83
Mean −0.01401
Std Dev 0.3543

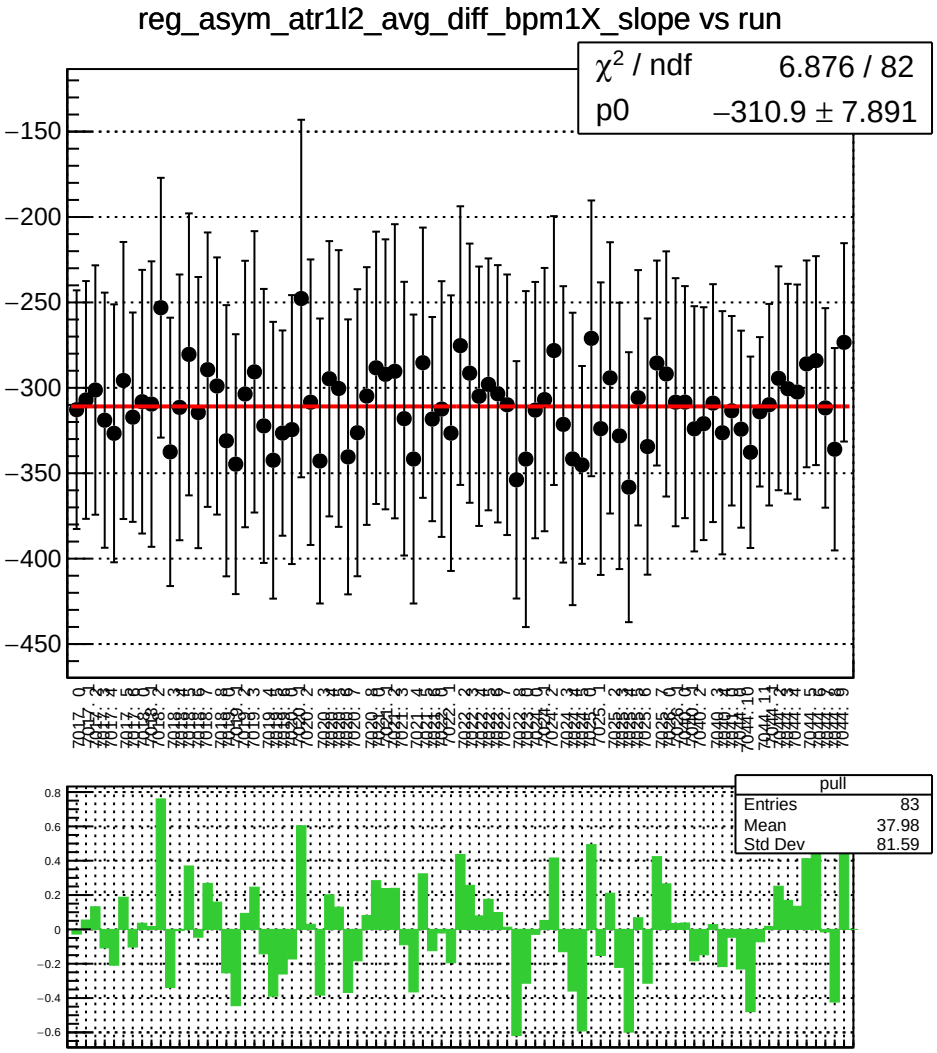

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.281 / 82
p0 −254.2 ± 5.697
pull
Entries 83
Mean 1711
Std Dev 1678

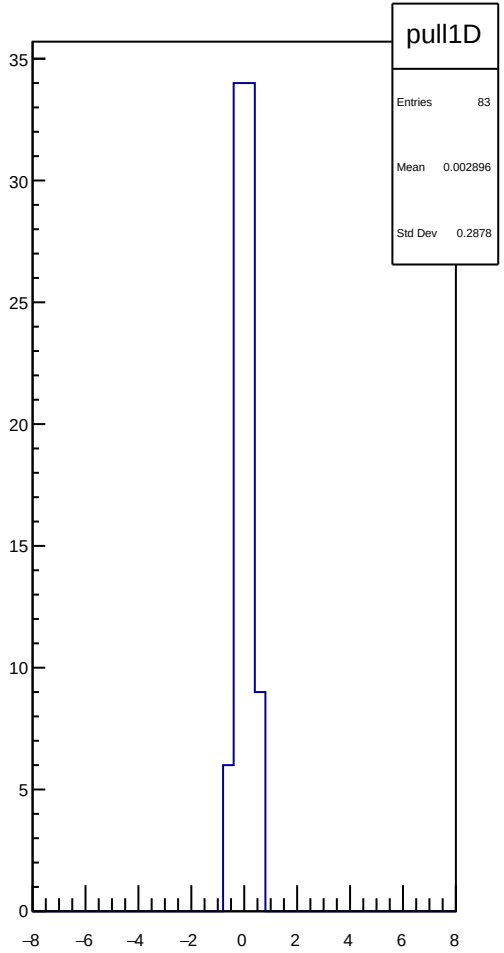

pull1D
Entries 83
Mean −0.0007954
Std Dev 0.3344

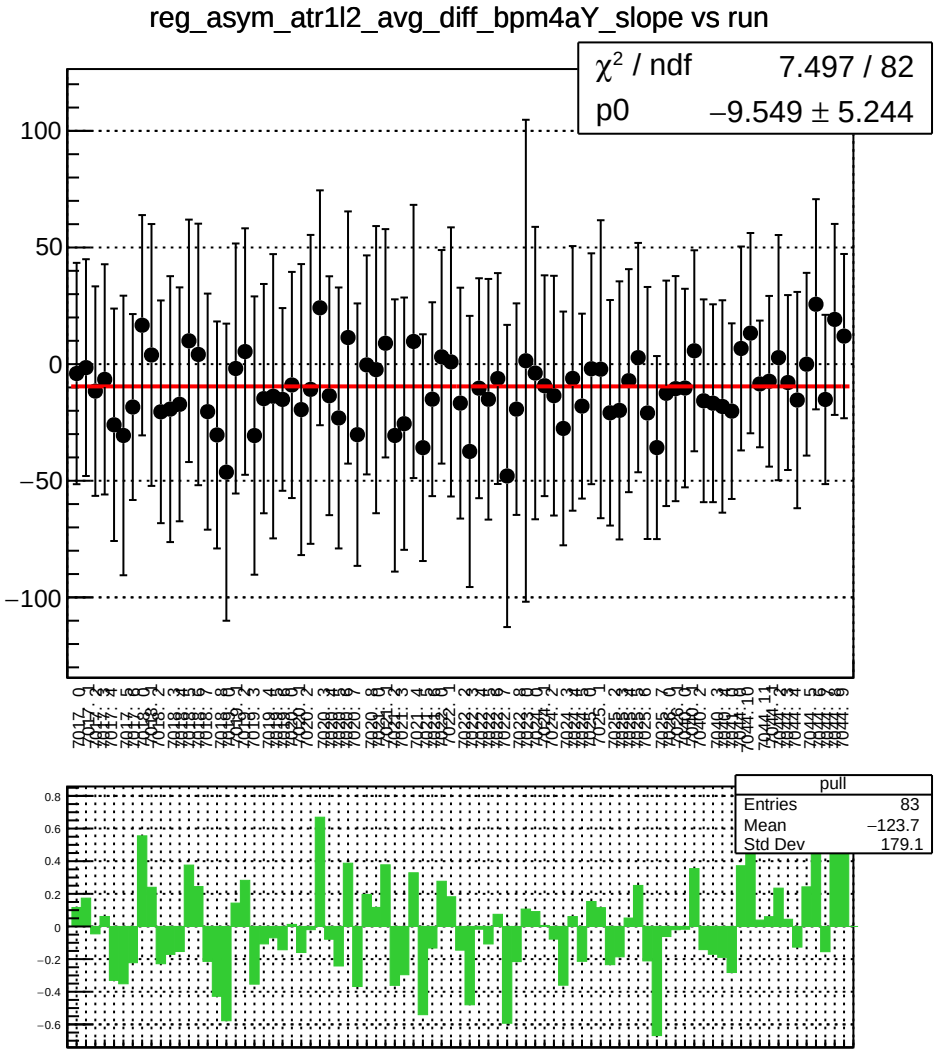

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.34 / 82
p0 −81.45 ± 4.413
pull
Entries 83
Mean −51.31
Std Dev 82.41

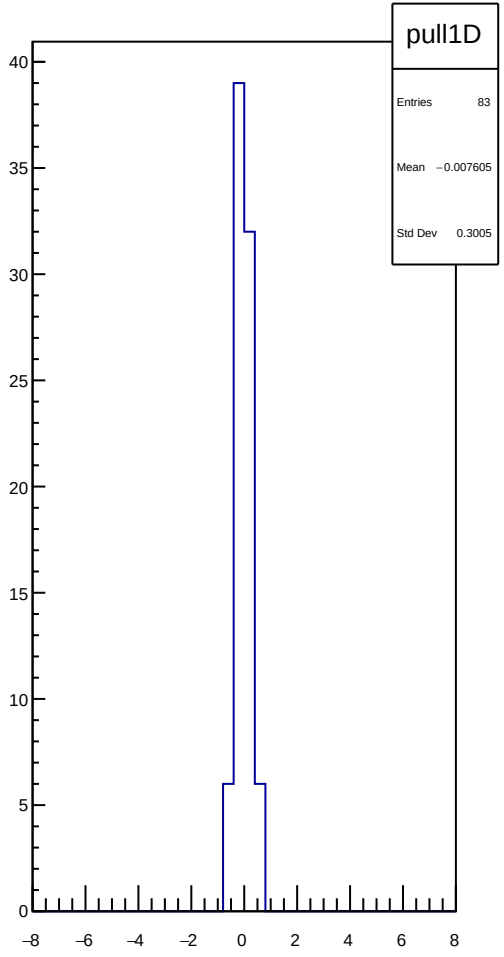

pull1D
Entries 83
Mean 0.01386
Std Dev 0.3694

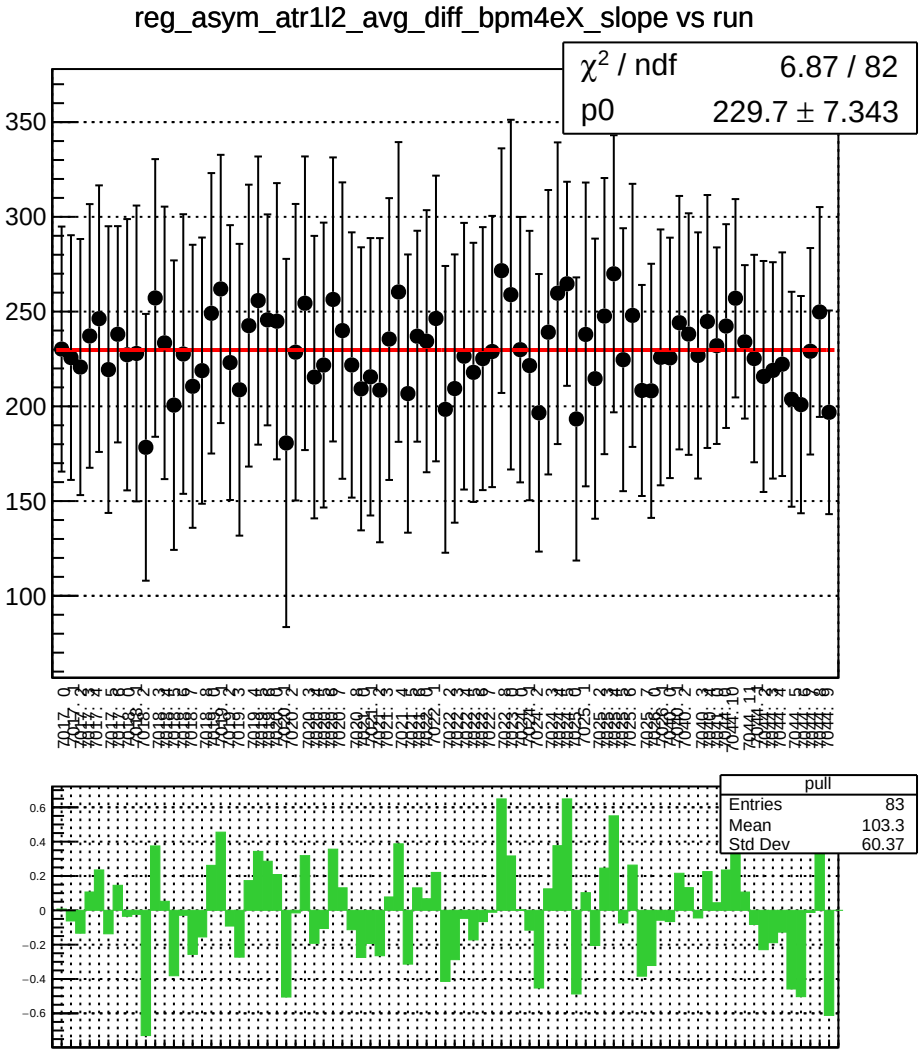

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 29.89 / 82
p0 117.2 ± 0.208
122
120
118
116
114
pull
Entries 83
Mean −122.3
Std Dev 168.4
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 83
Mean 0.05209
Std Dev 0.5978
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

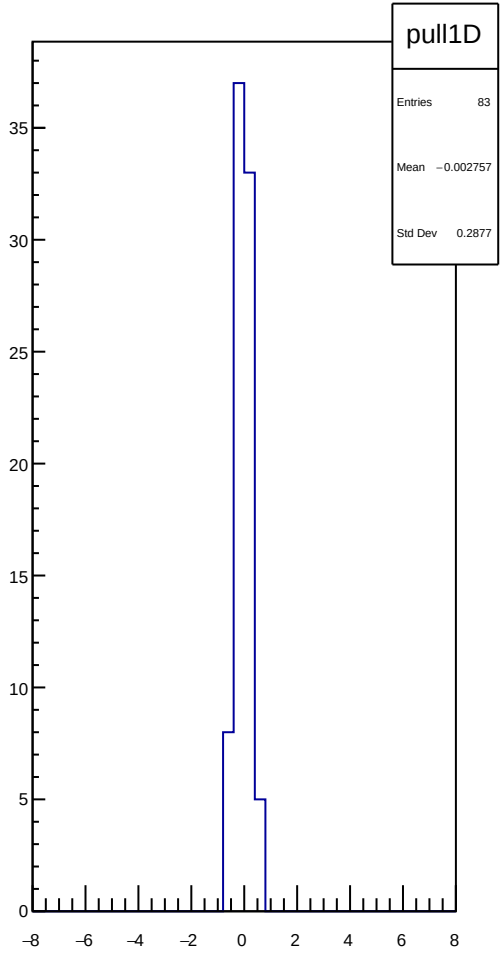

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.876 / 82
p0 −310.9 ± 7.891
pull
Entries 83
Mean 37.98
Std Dev 81.59

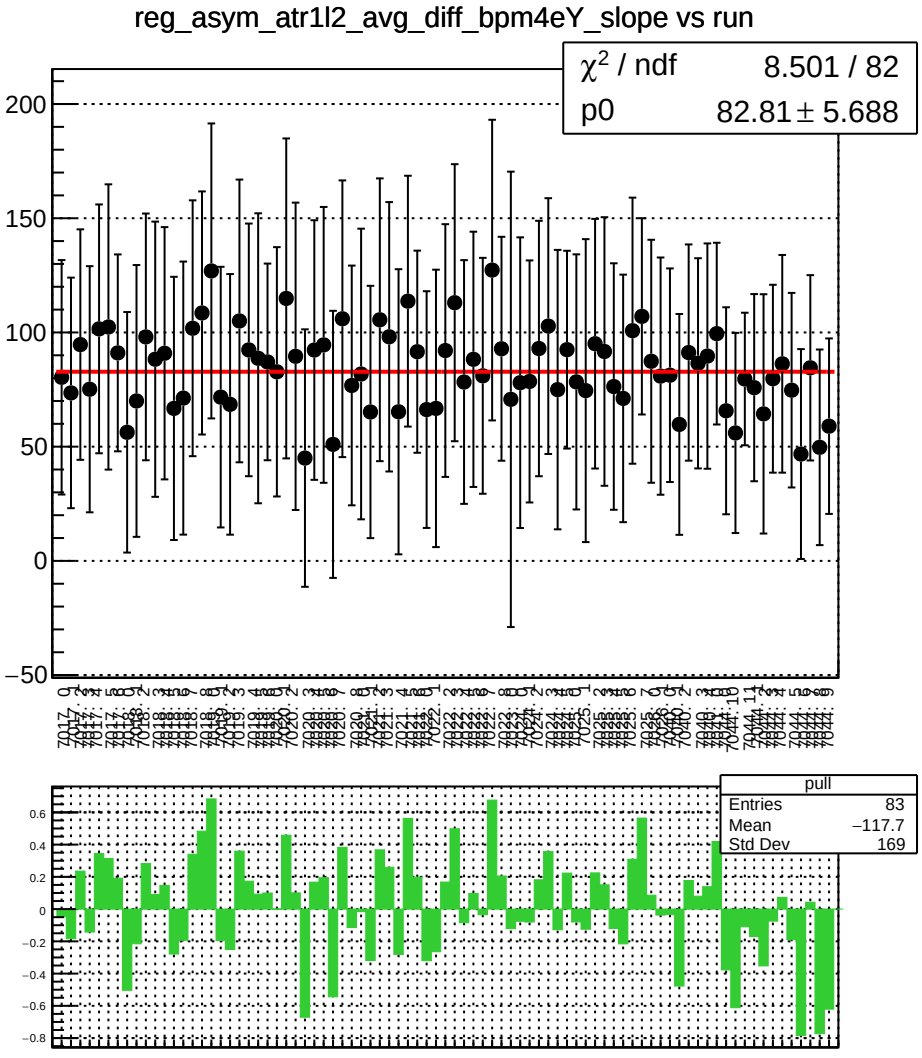

pull1D
Entries 83
Mean 0.002896
Std Dev 0.2878

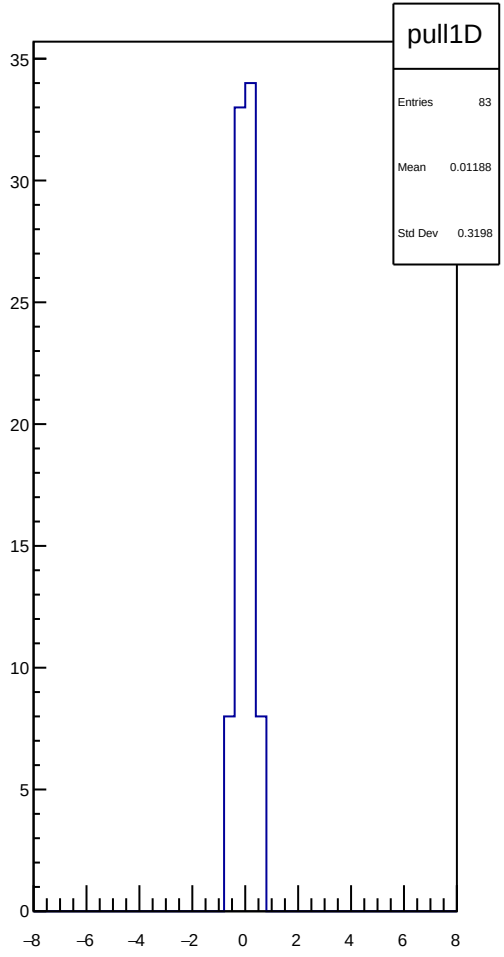

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.497 / 82
p0 −9.549 ± 5.244
pull
Entries 83
Mean −123.7
Std Dev 179.1

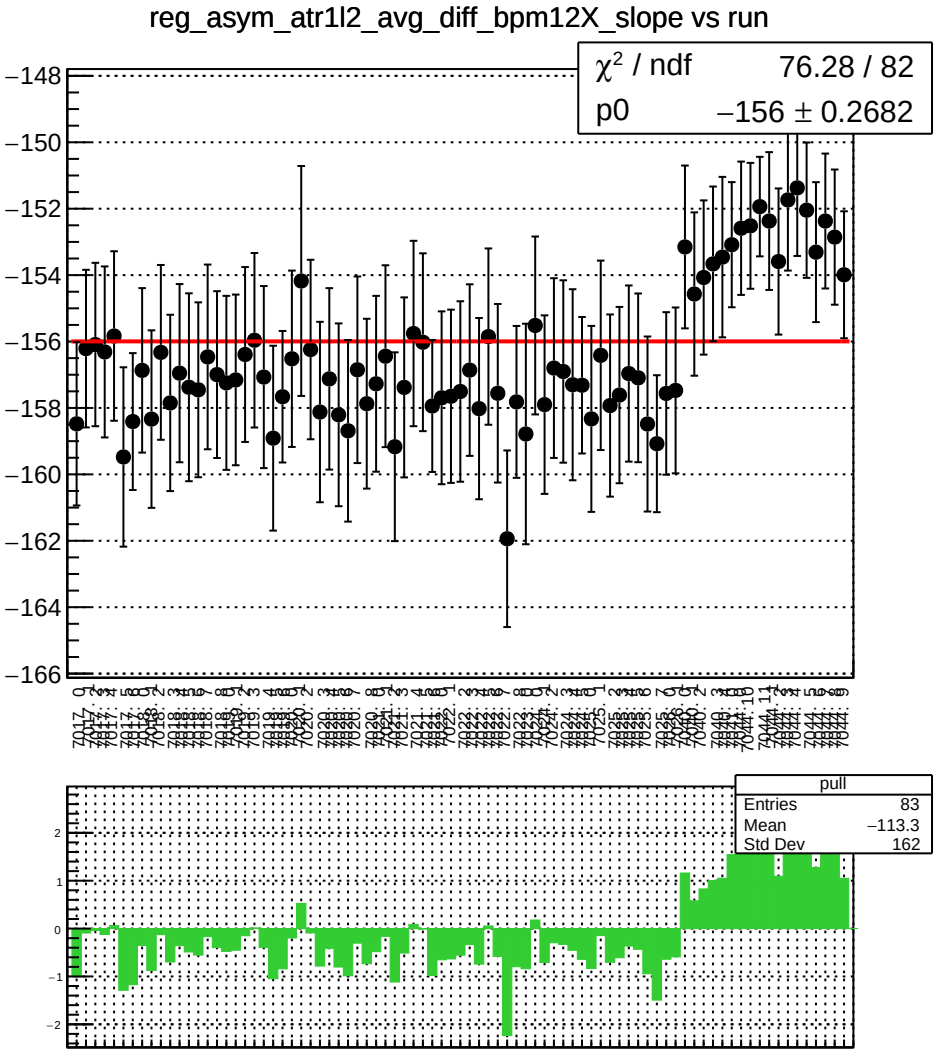

pull1D
Entries 83
Mean −0.007605
Std Dev 0.3005

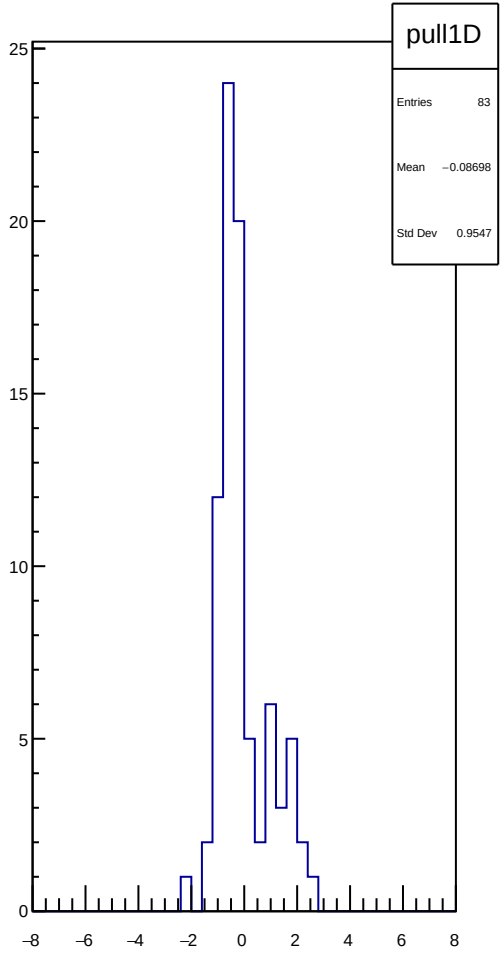

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.87 / 82
p0 229.7 ± 7.343
pull
Entries 83
Mean 103.3
Std Dev 60.37

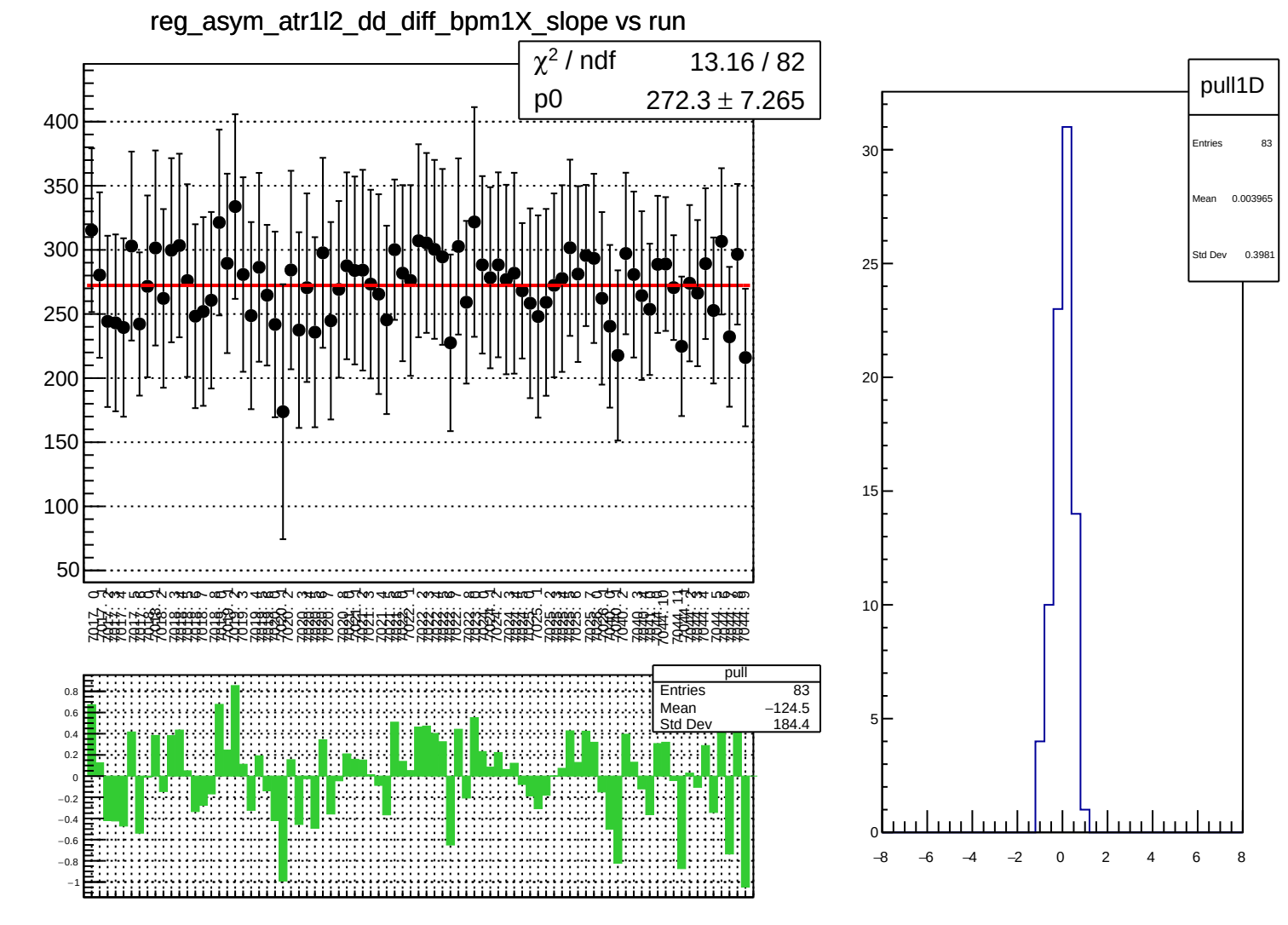

pull1D
Entries 83
Mean −0.002757
Std Dev 0.2877

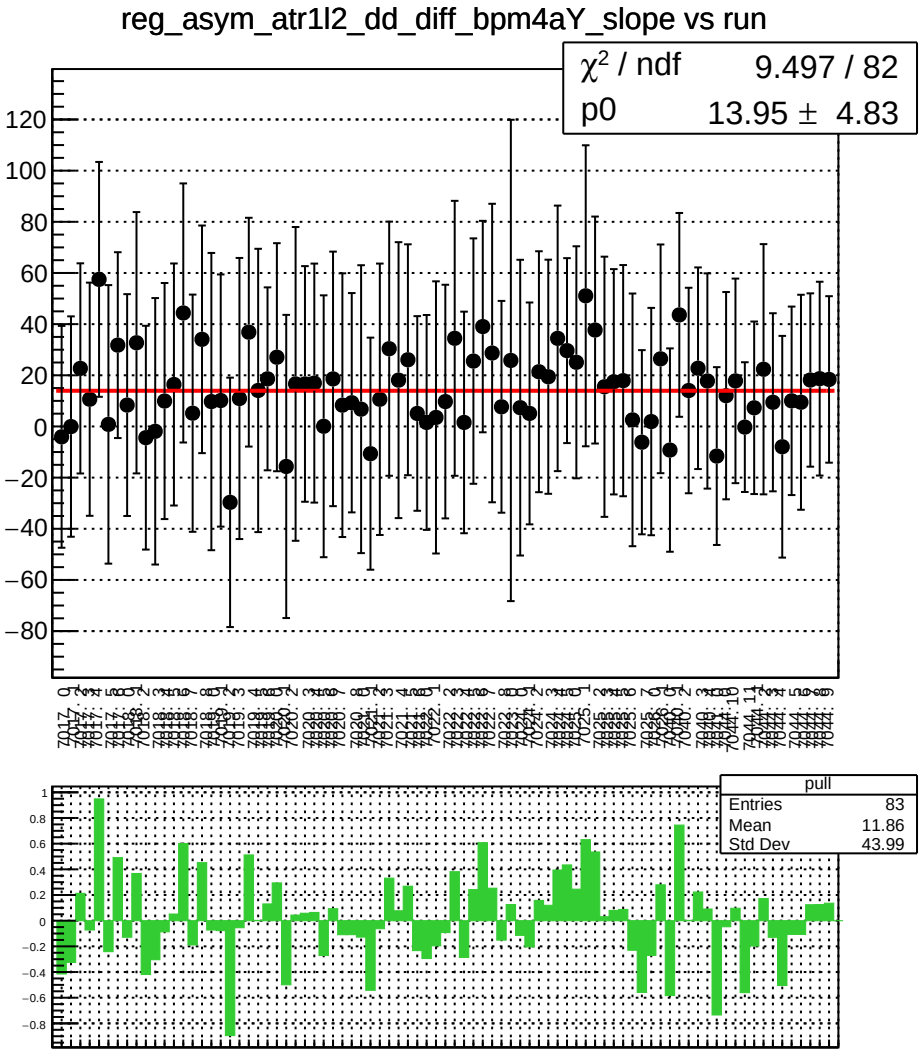

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.501 / 82
p0 82.81 ± 5.688
pull
Entries 83
Mean −117.7
Std Dev 169

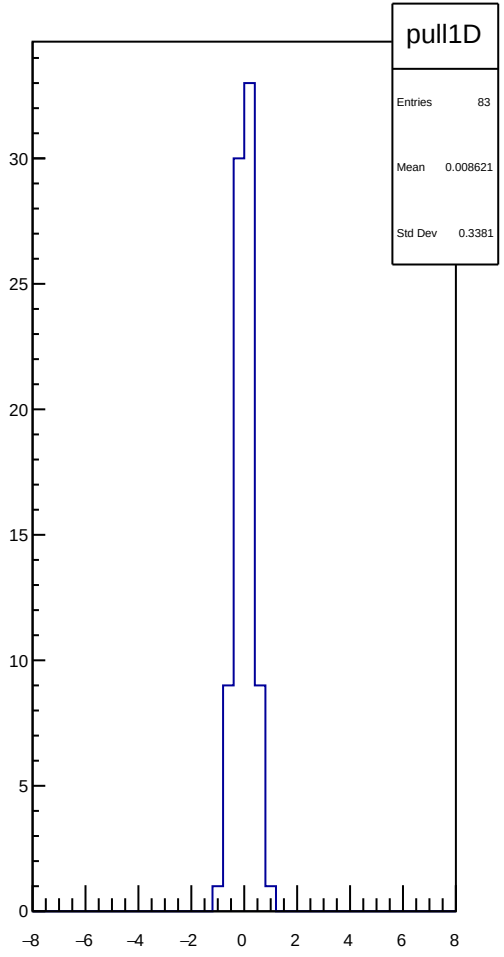

pull1D
Entries 83
Mean 0.01188
Std Dev 0.3198

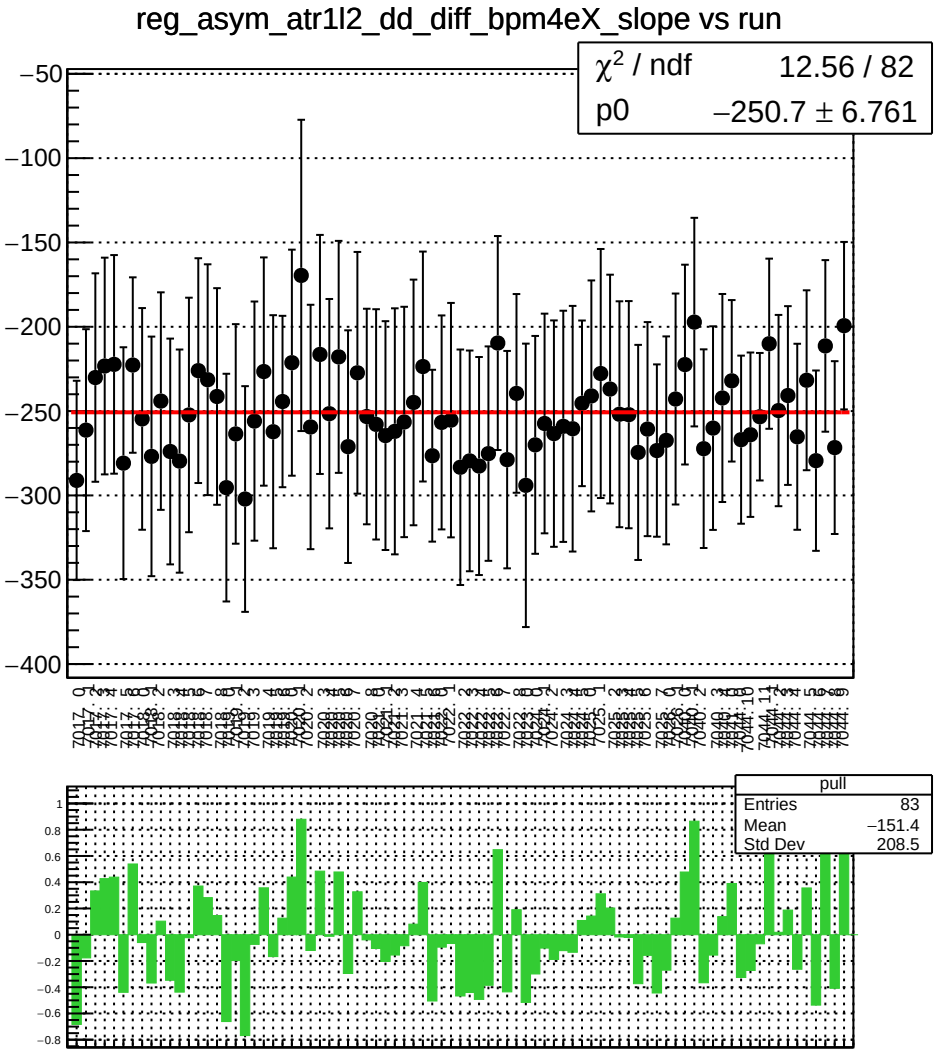

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 76.28 / 82
p0 −156 ± 0.2682
pull
Entries 83
Mean −113.3
Std Dev 162

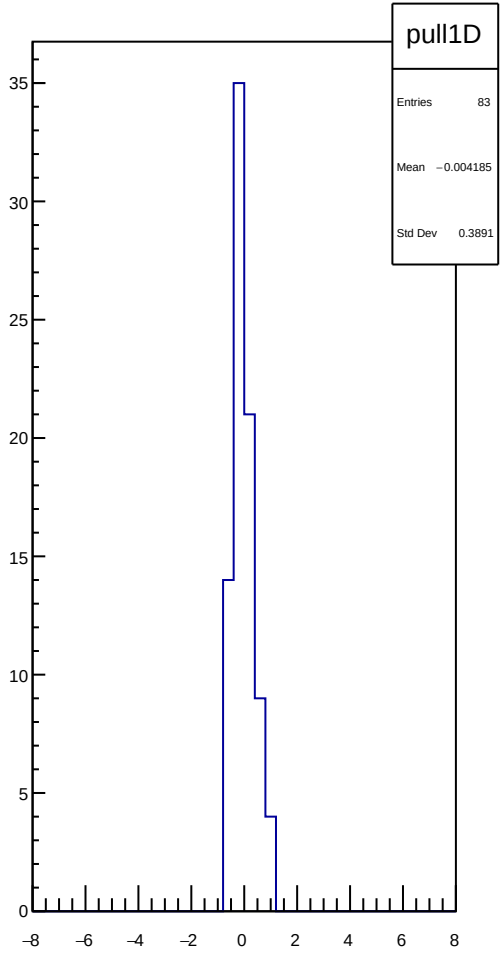

pull1D
Entries 83
Mean −0.08698
Std Dev 0.9547

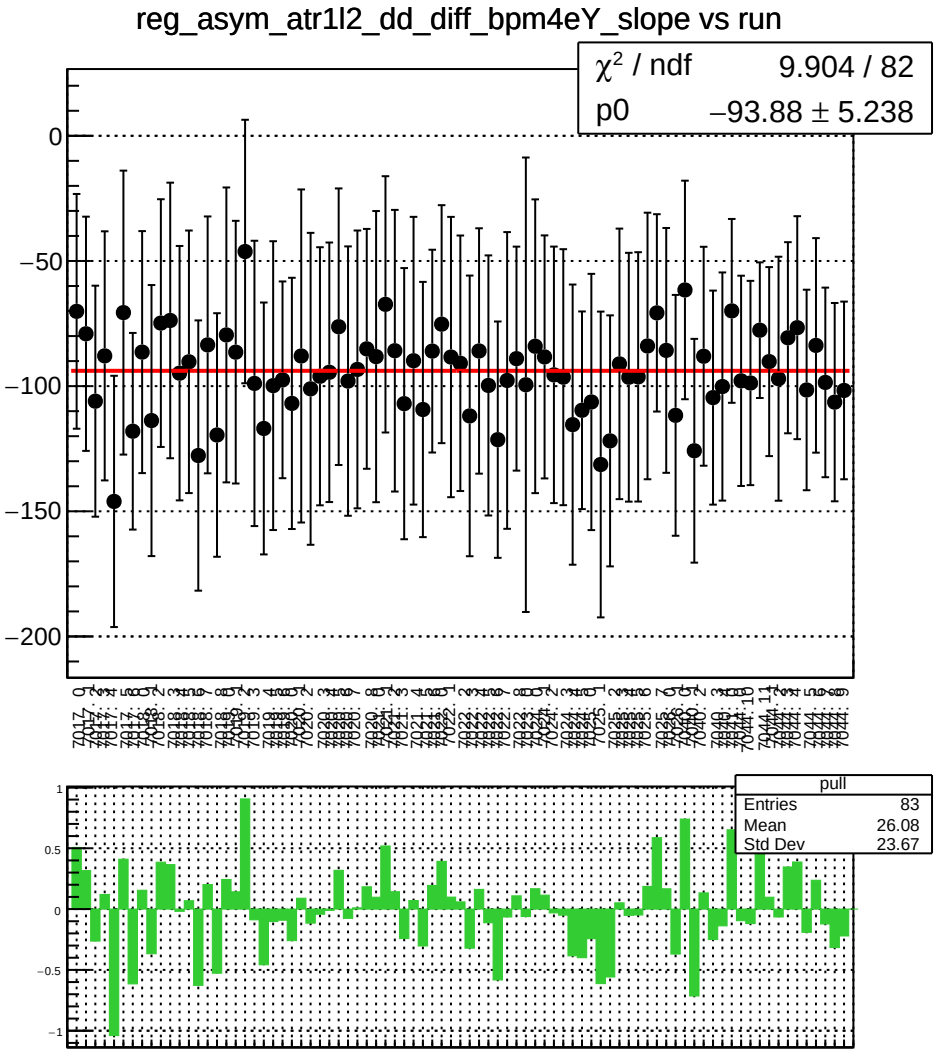

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ2 / ndf 13.16 / 82
p0 272.3 ± 7.265
pull
Entries 83
Mean −124.5
Std Dev 184.4
pull1D
Entries 83
Mean 0.003965
Std Dev 0.3981

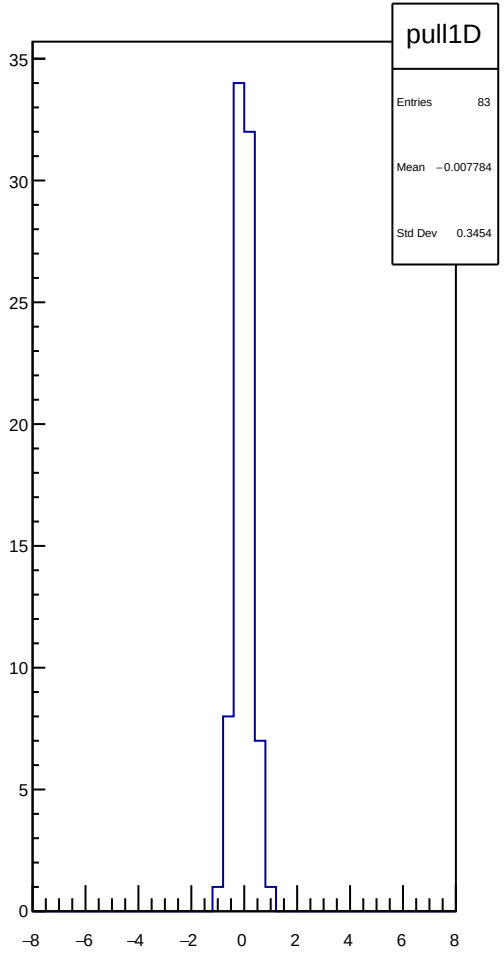

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.497 / 82
p0 13.95 ± 4.83
pull
Entries 83
Mean 11.86
Std Dev 43.99

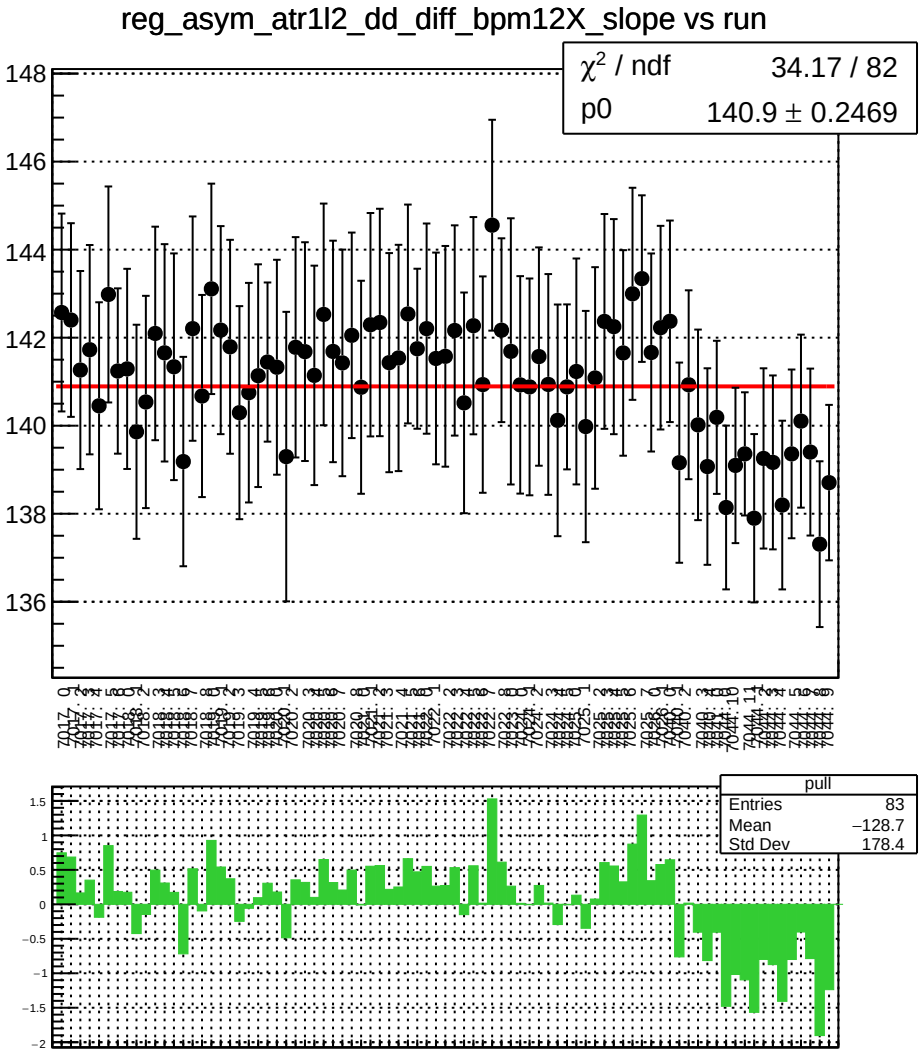

pull1D
Entries 83
Mean 0.008621
Std Dev 0.3381

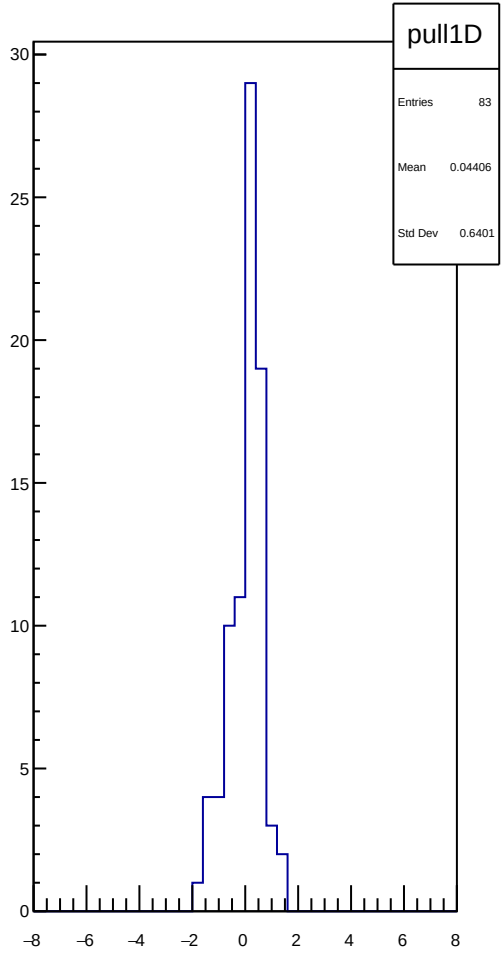

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.56 / 82
p0 −250.7 ± 6.761
pull
Entries 83
Mean −151.4
Std Dev 208.5

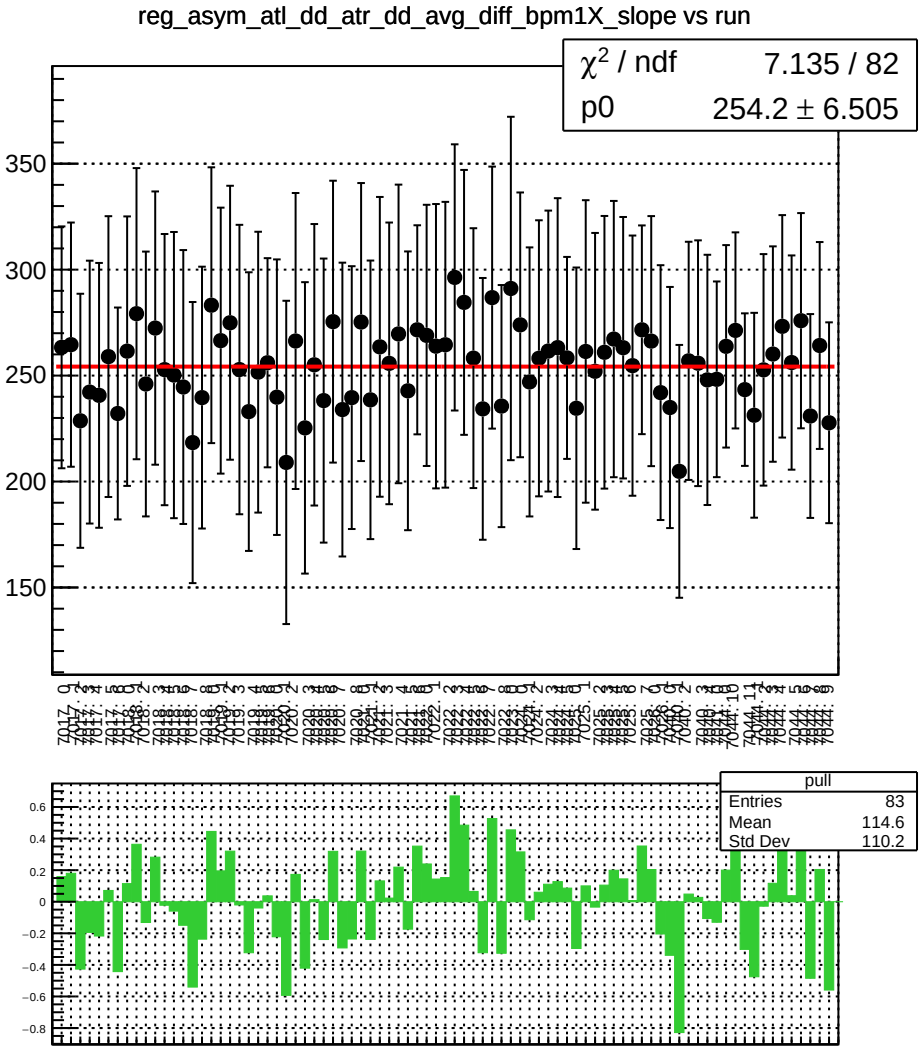

pull1D
Entries 83
Mean −0.004185
Std Dev 0.3891

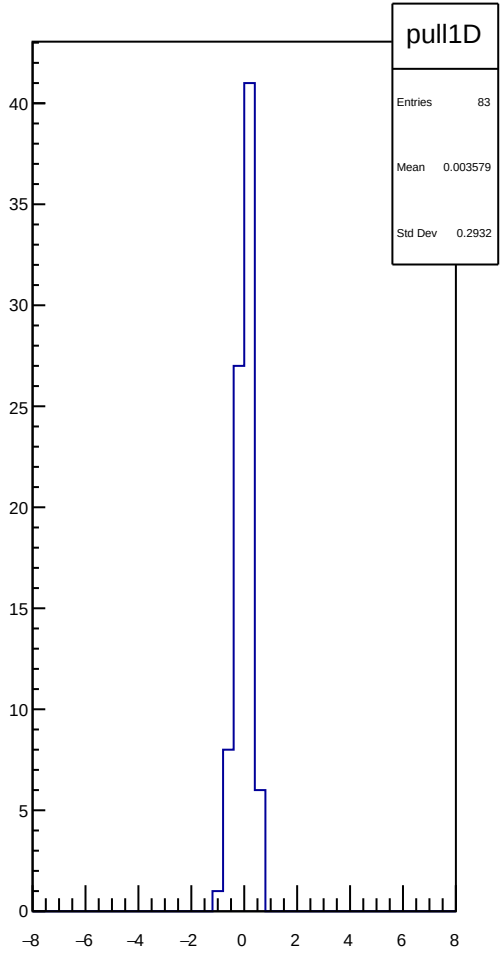

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.904 / 82
p0 −93.88 ± 5.238
pull
Entries 83
Mean 26.08
Std Dev 23.67

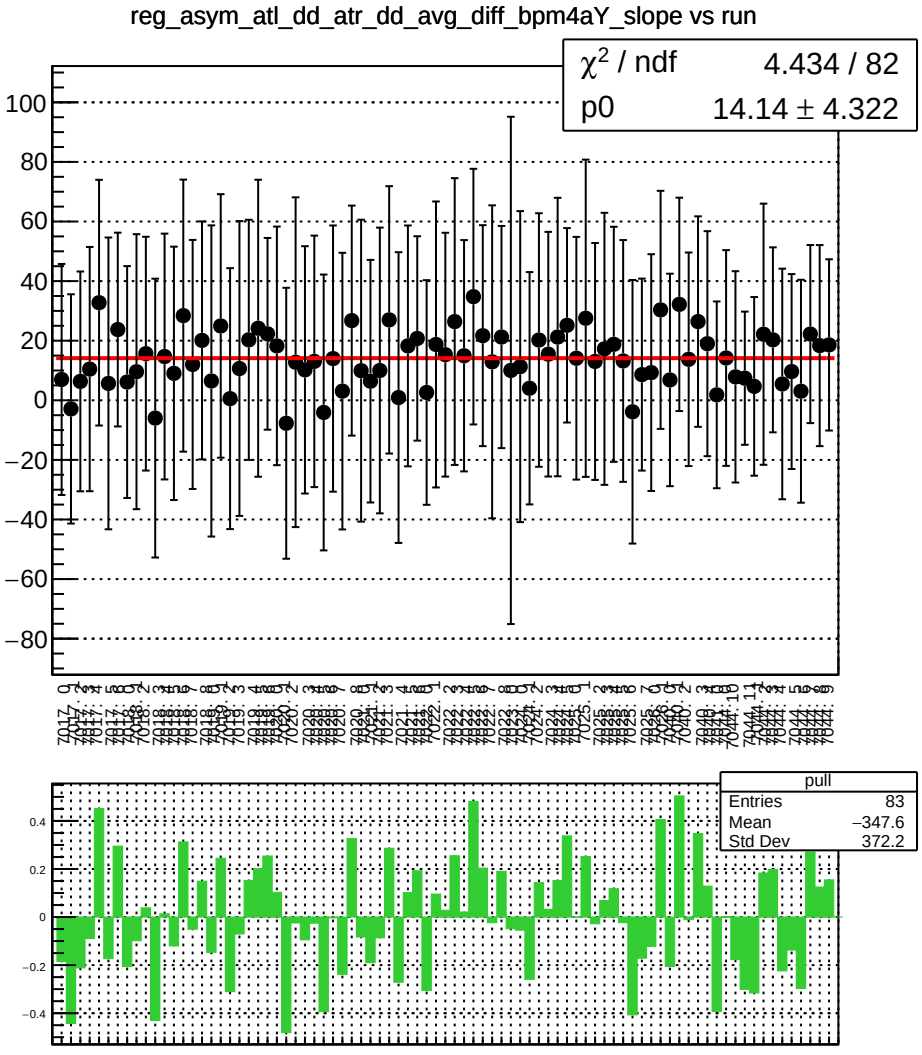

pull1D
Entries 83
Mean −0.007784
Std Dev 0.3454

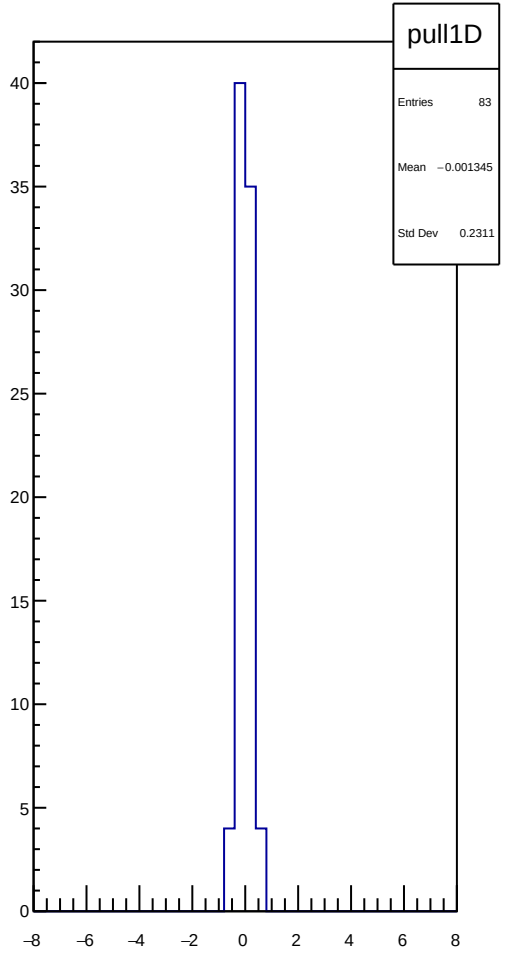

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.17 / 82
p0 140.9 ± 0.2469
148
146
144
142
140
138
136
pull
Entries 83
Mean −128.7
Std Dev 178.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

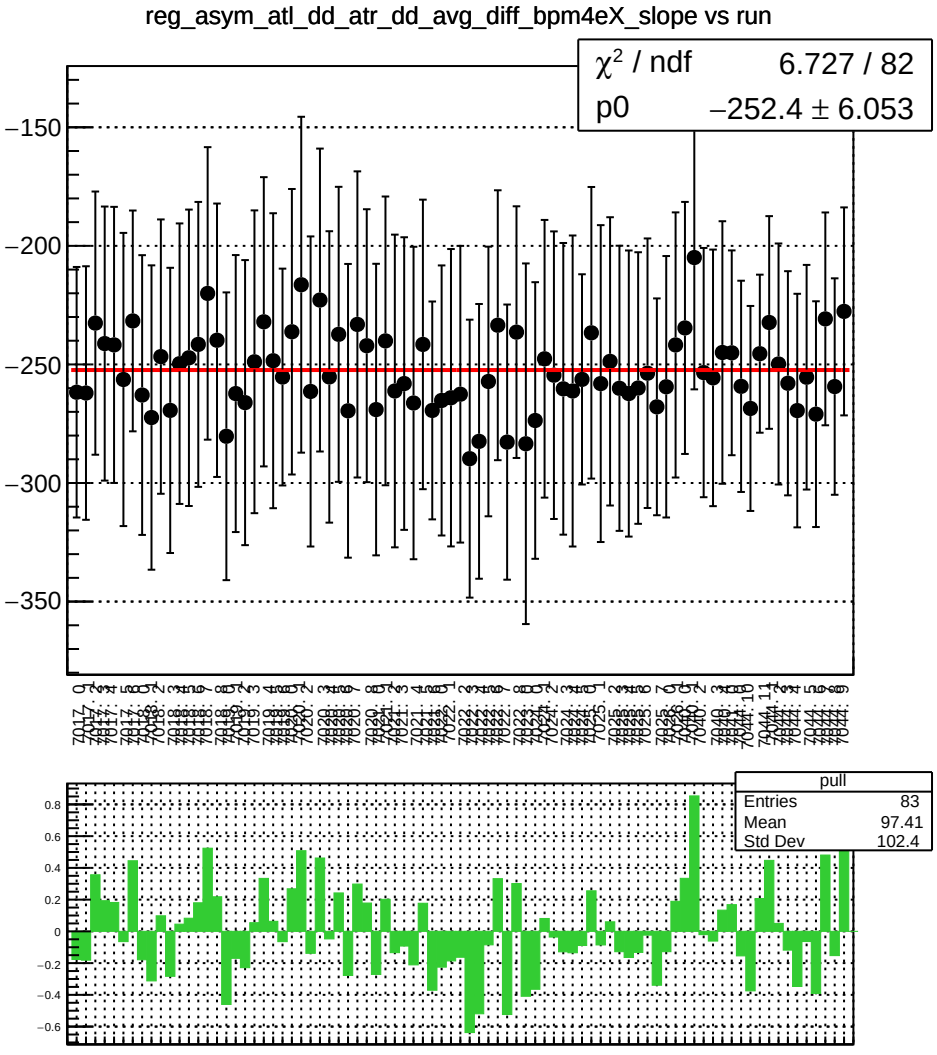

pull1D
Entries 83
Mean 0.04406
Std Dev 0.6401
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

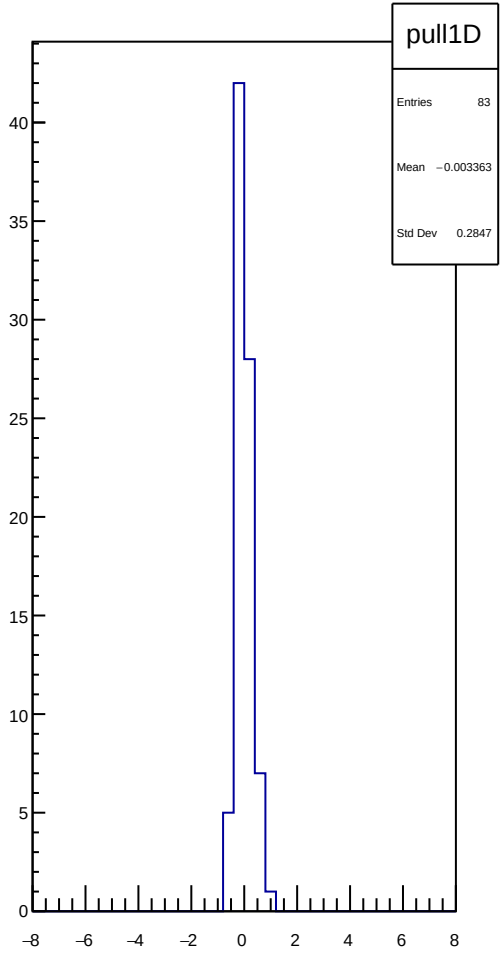

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.135 / 82
p0 254.2 ± 6.505
pull
Entries 83
Mean 114.6
Std Dev 110.2

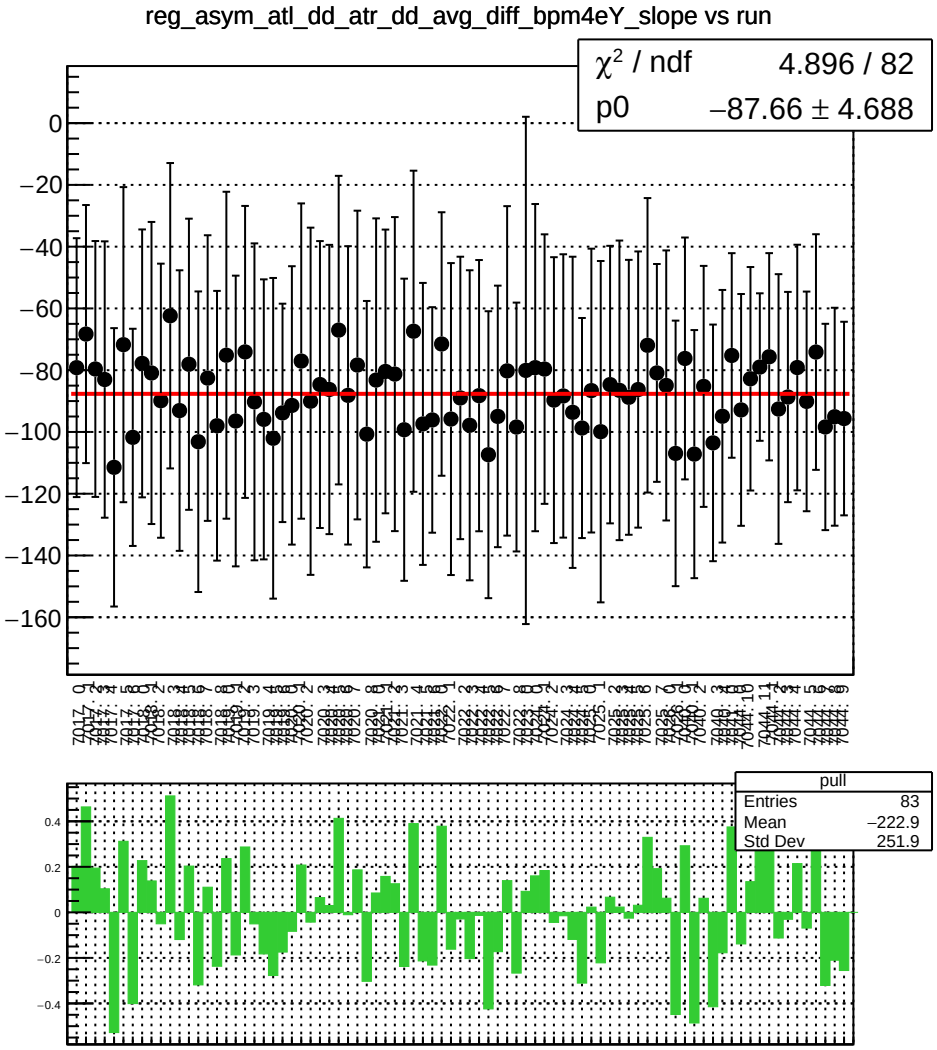

pull1D
Entries 83
Mean 0.003579
Std Dev 0.2932

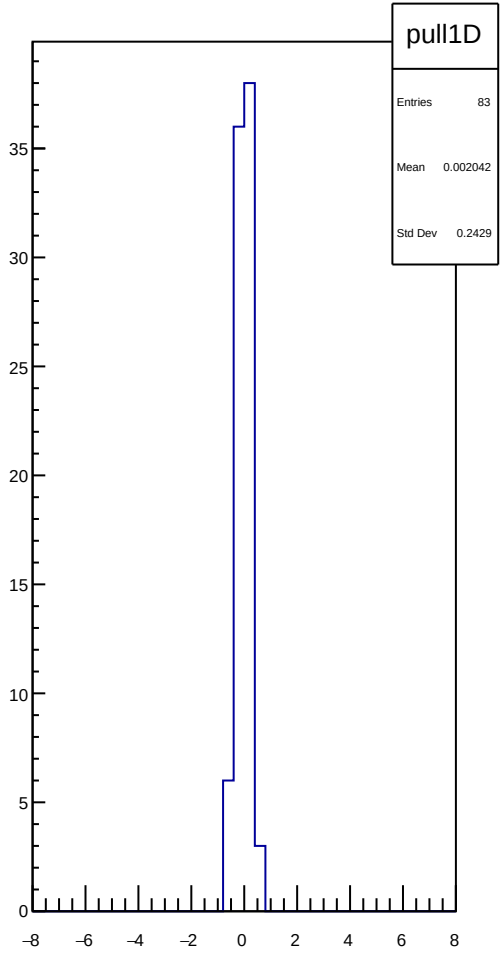

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.434 / 82
p0 14.14 ± 4.322
pull
Entries 83
Mean −347.6
Std Dev 372.2

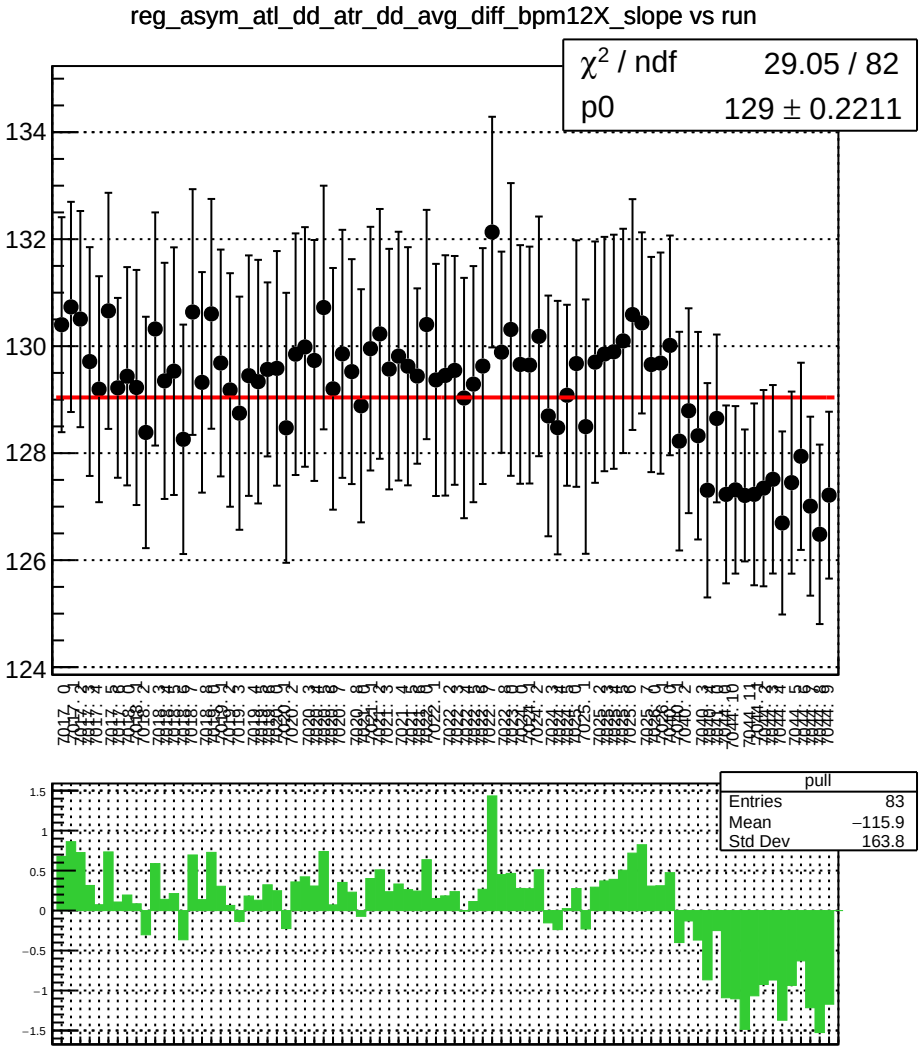

pull1D
Entries 83
Mean −0.001345
Std Dev 0.2311

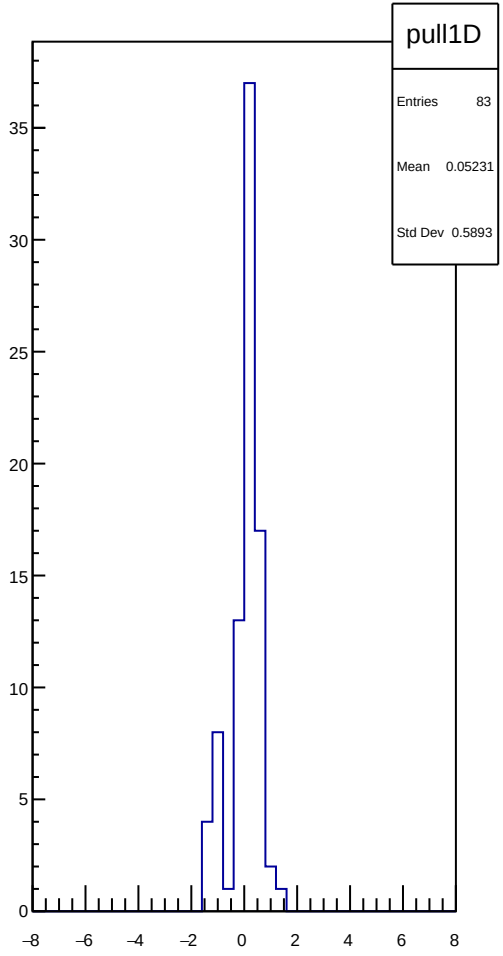

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.727 / 82
p0 −252.4 ± 6.053
pull
Entries 83
Mean 97.41
Std Dev 102.4


pull1D
Entries 83
Mean −0.003363
Std Dev 0.2847

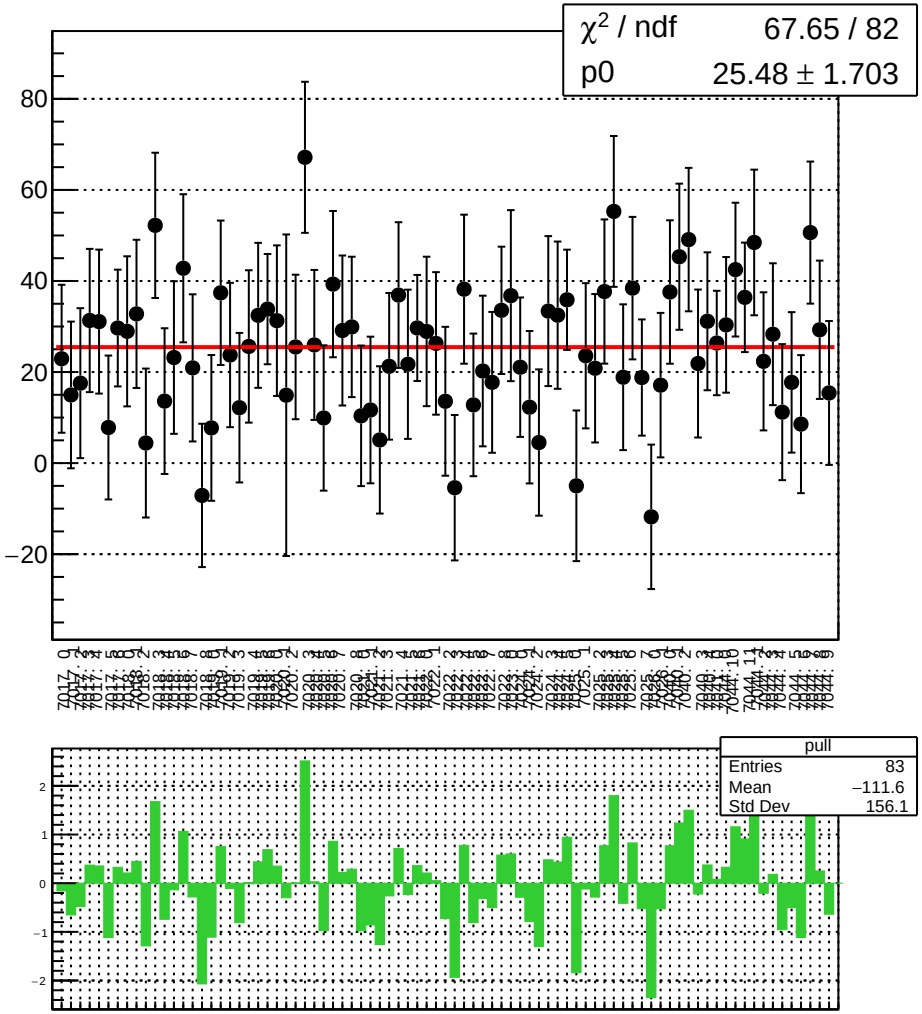

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.896 / 82
p0 −87.66 ± 4.688
pull
Entries 83
Mean −222.9
Std Dev 251.9

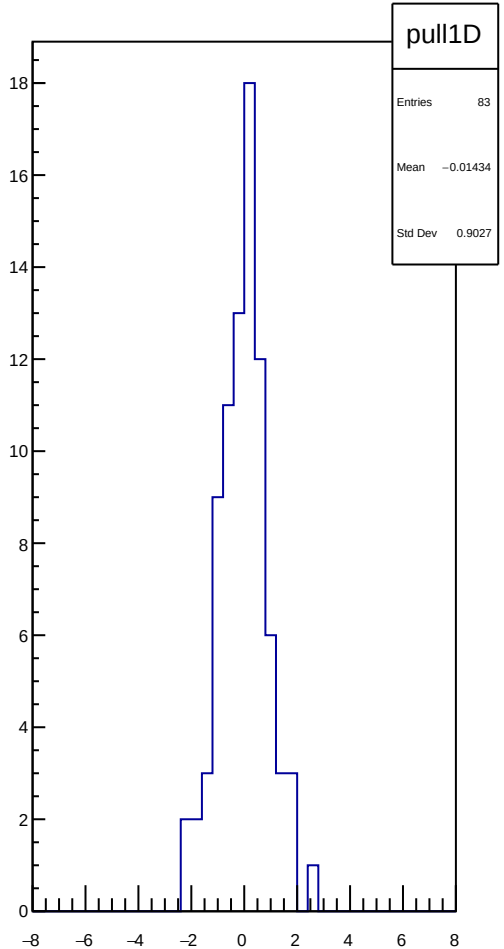

pull1D
Entries 83
Mean 0.002042
Std Dev 0.2429

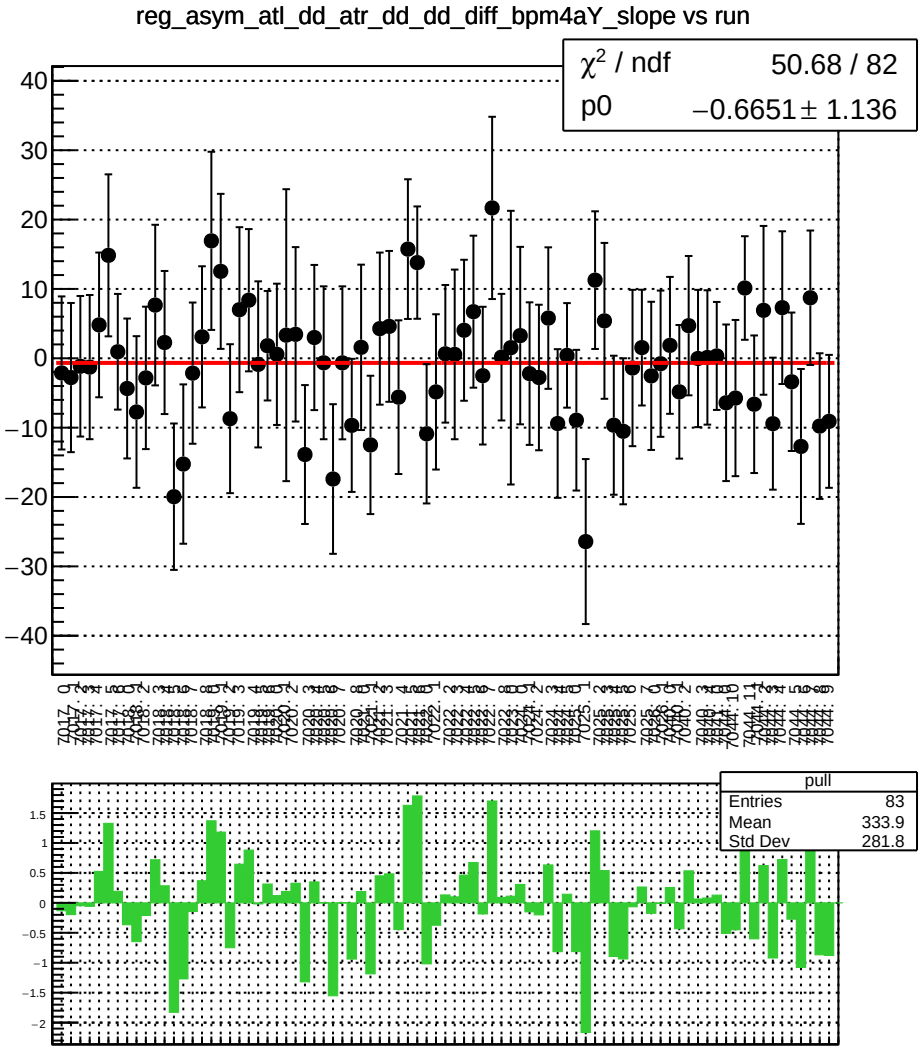

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.05 / 82
p0 129 ± 0.2211
134
132
130
128
126
124
pull
Entries 83
Mean −115.9
Std Dev 163.8
1.5
1
0.5
0
−0.5
−1
−1.5

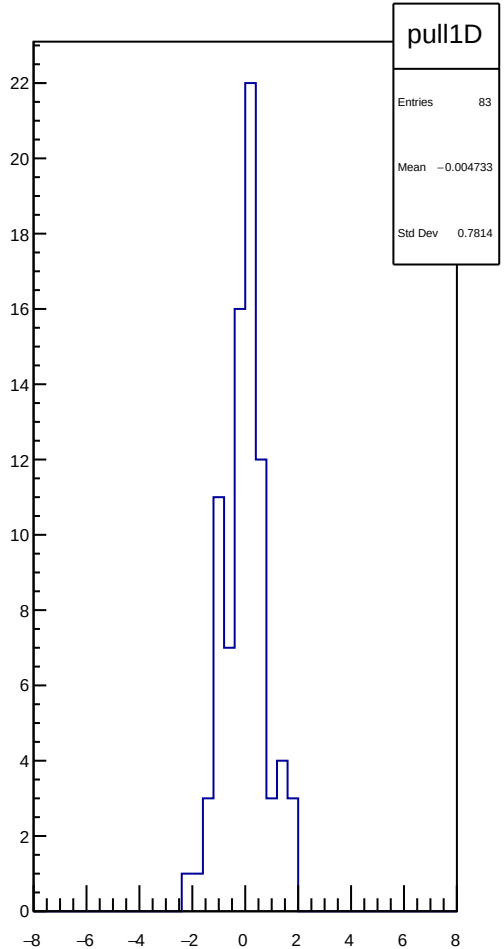

pull1D
Entries 83
Mean 0.05231
Std Dev 0.5893
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

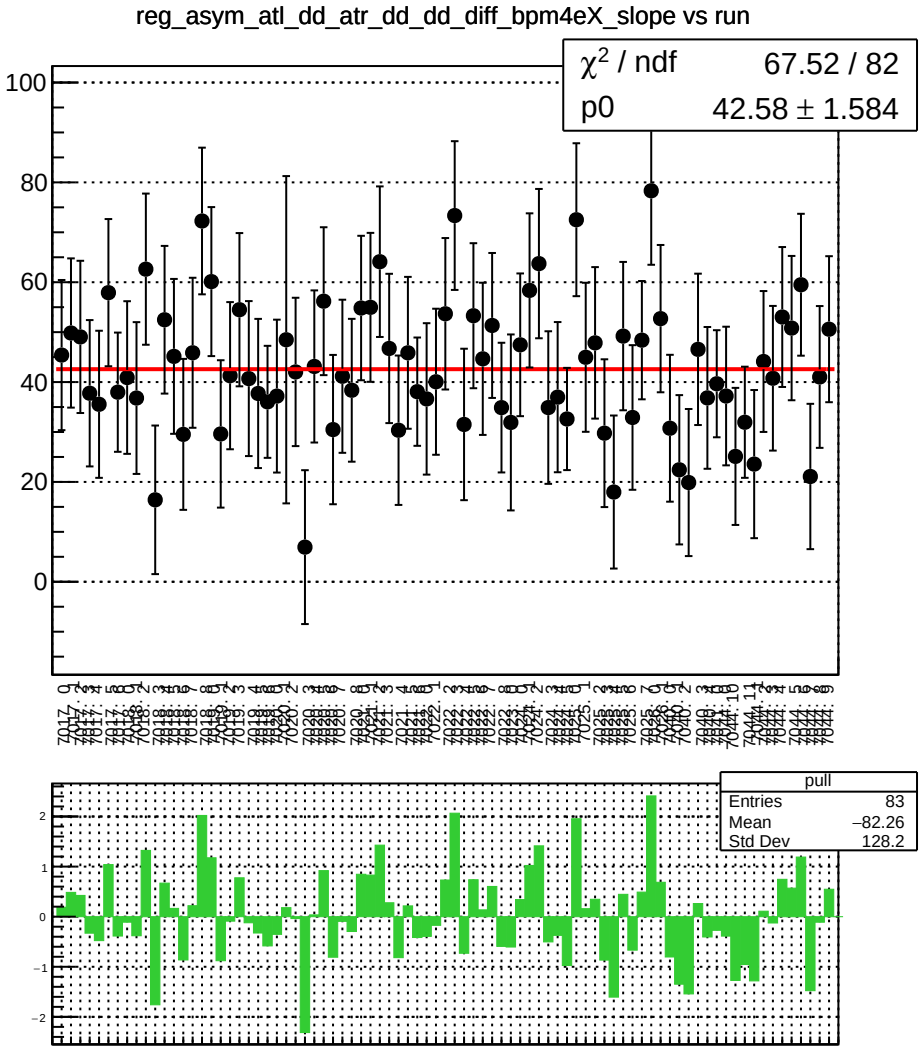
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

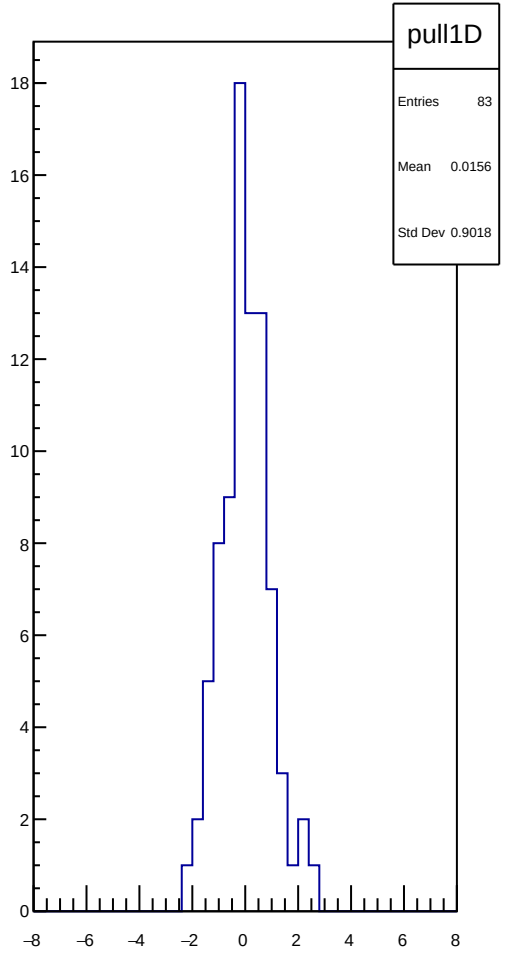


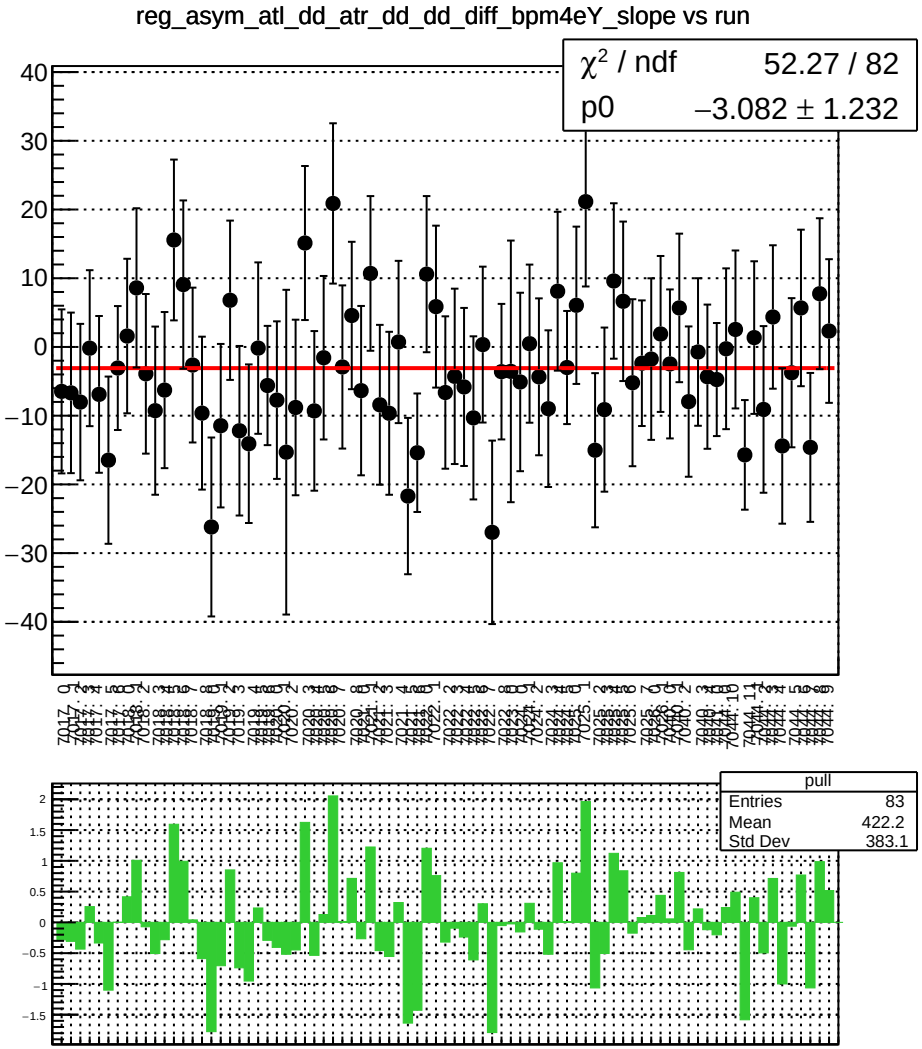


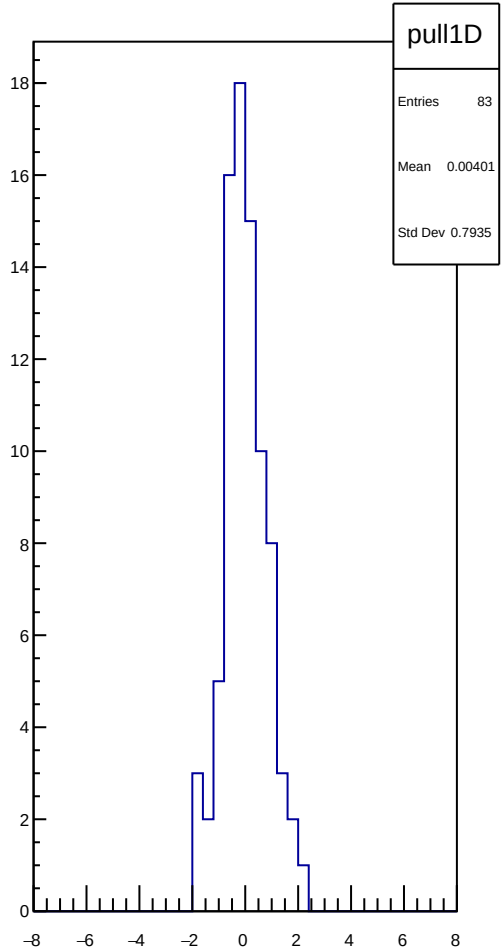

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.68 / 82
p0 −0.6651 ± 1.136
pull
Entries 83
Mean 333.9
Std Dev 281.8

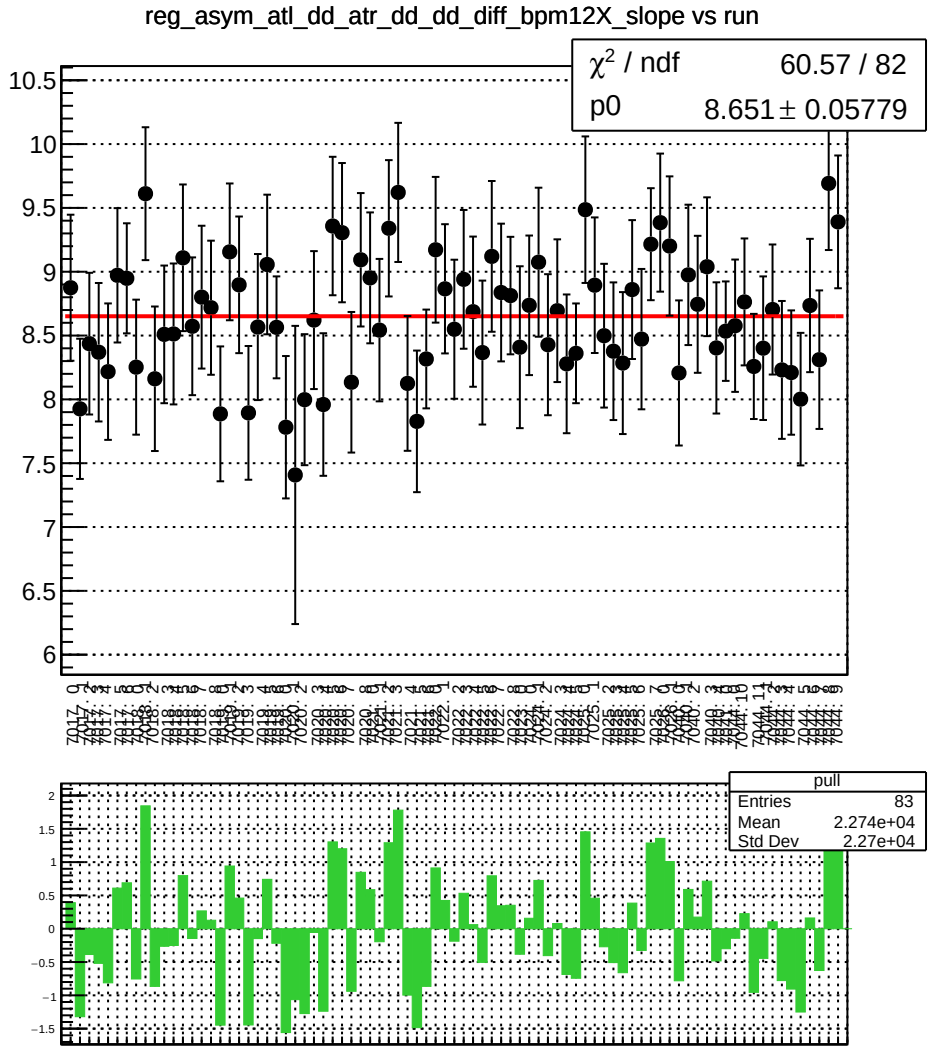

pull1D
Entries 83
Mean −0.004733
Std Dev 0.7814

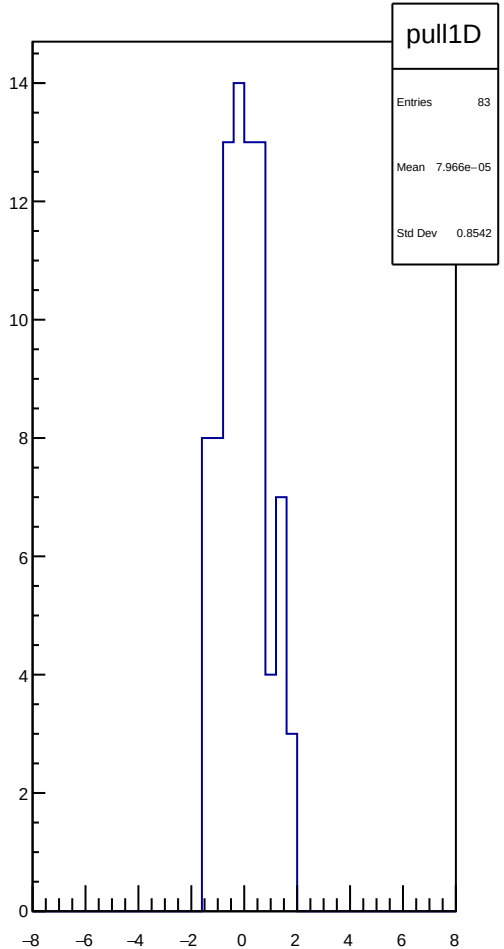

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 67.52 / 82
p0 42.58 ± 1.584
pull
Entries 83
Mean −82.26
Std Dev 128.2

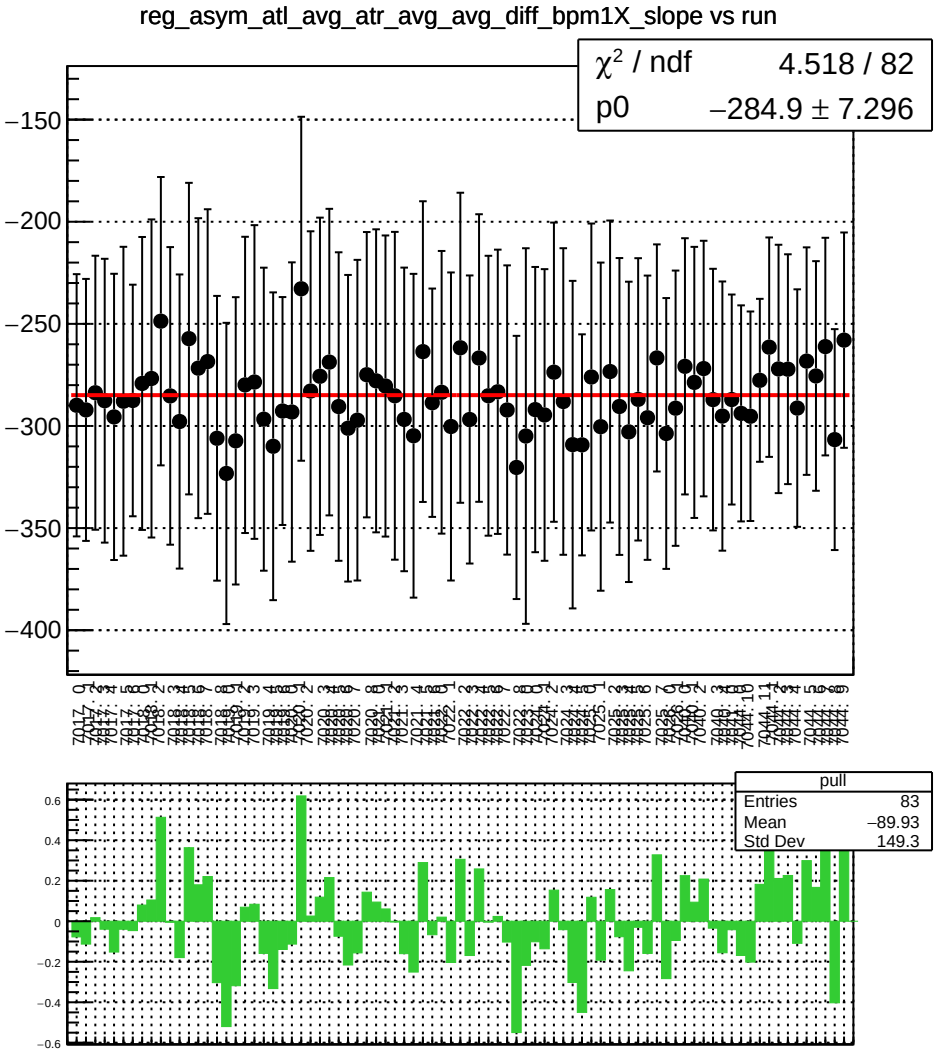

pull1D
Entries 83
Mean 0.0156
Std Dev 0.9018

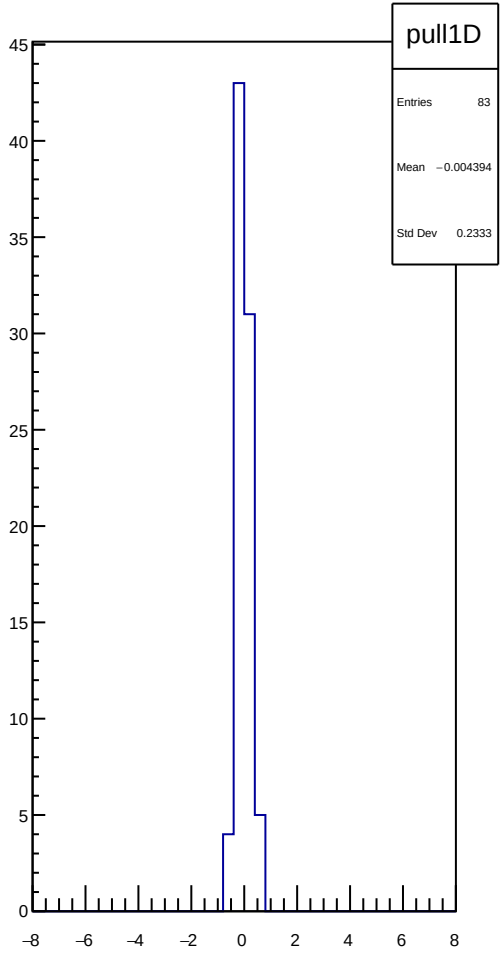

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.27 / 82
p0 −3.082 ± 1.232
pull
Entries 83
Mean 422.2
Std Dev 383.1

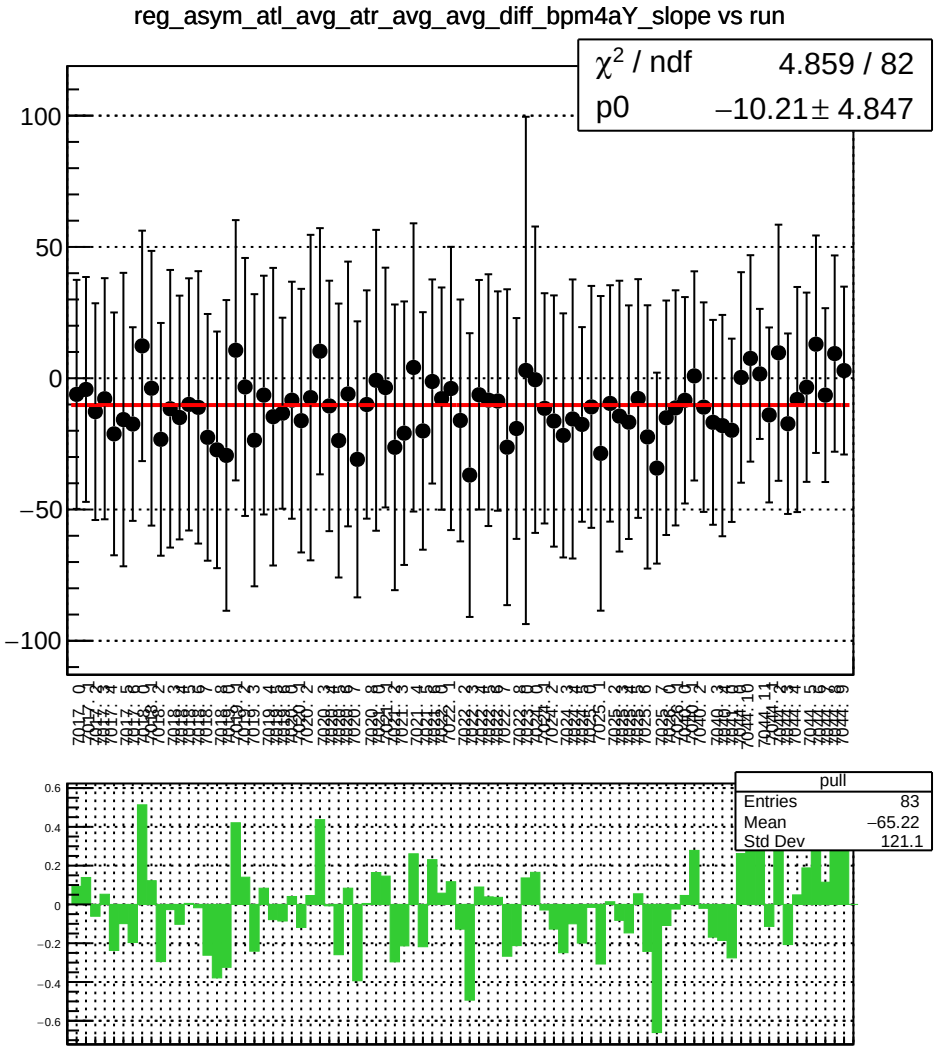

pull1D
Entries 83
Mean 0.00401
Std Dev 0.7935

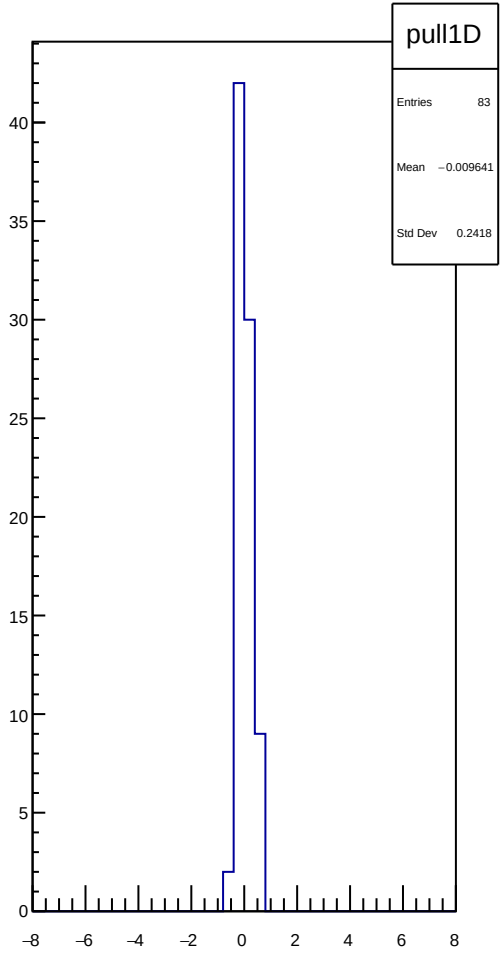

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 60.57 / 82
p0 8.651 ± 0.05779
pull
Entries 83
Mean 2.274e+04
Std Dev 2.27e+04

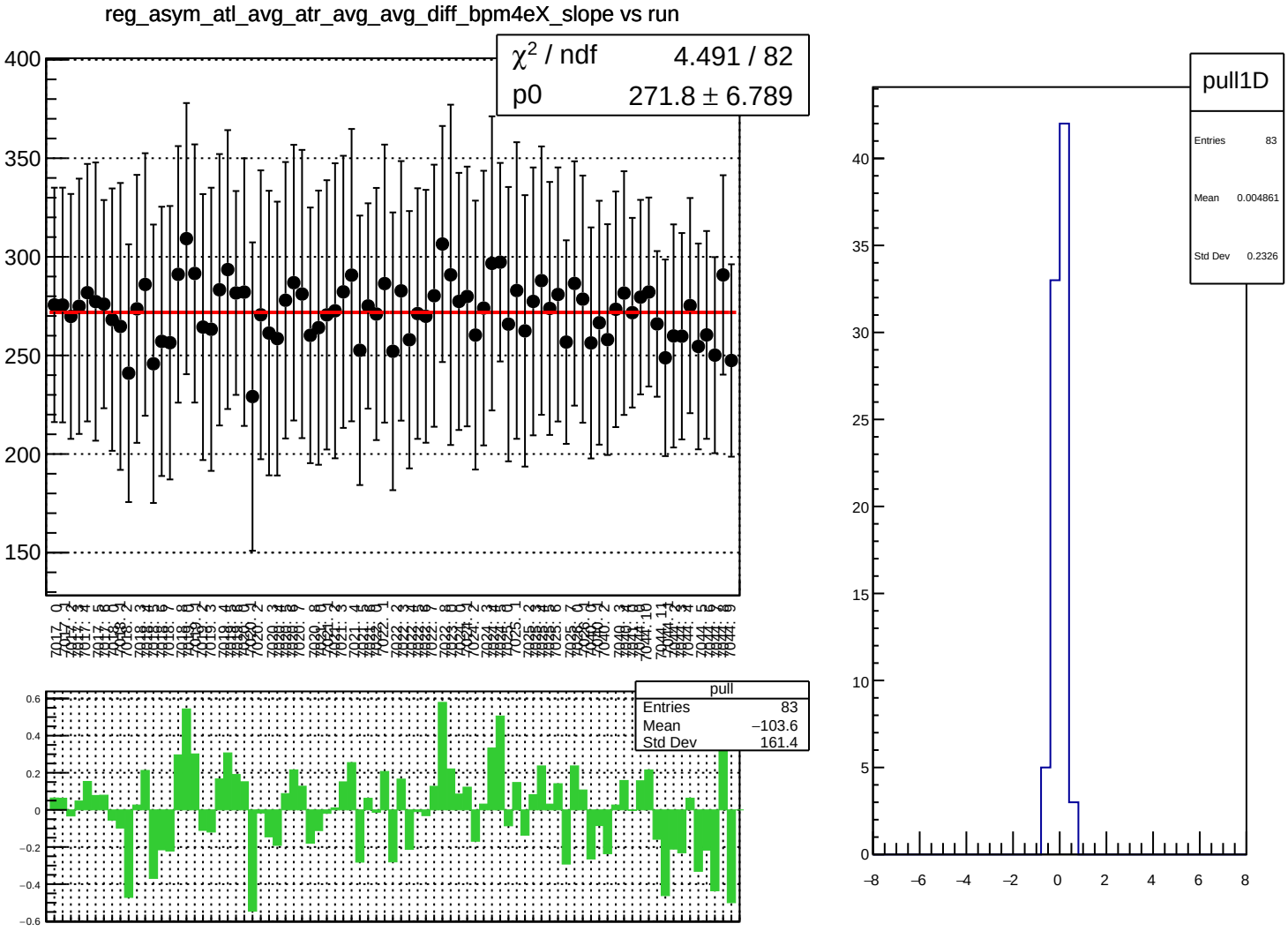

pull1D
Entries 83
Mean 7.966e−05
Std Dev 0.8542

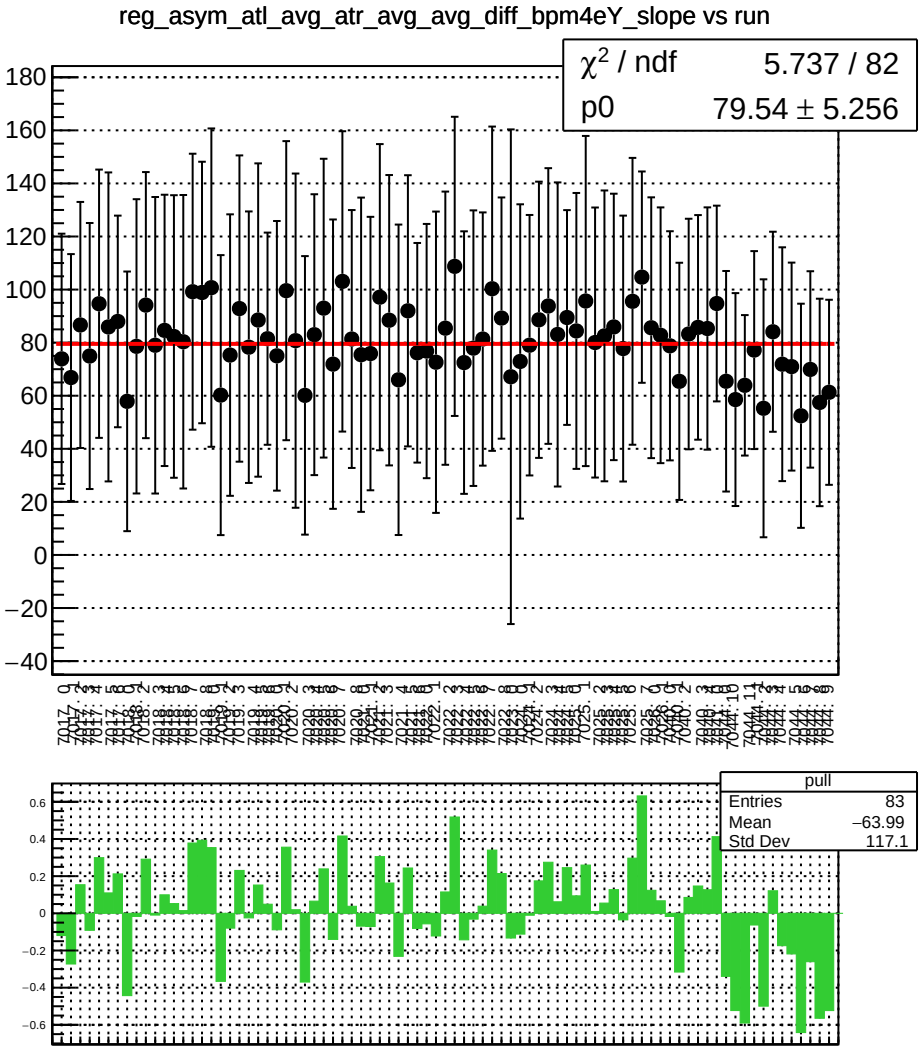

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.518 / 82
p0 −284.9 ± 7.296
pull
Entries 83
Mean −89.93
Std Dev 149.3

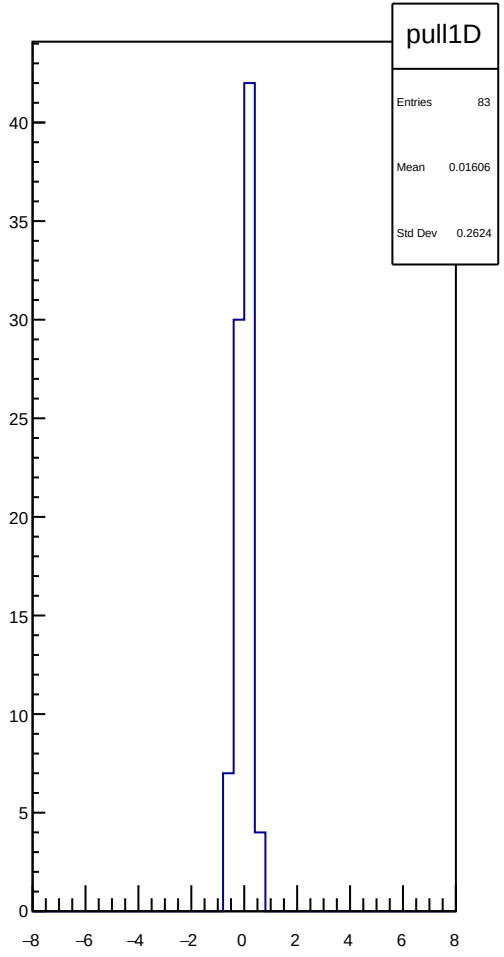

pull1D
Entries 83
Mean −0.004394
Std Dev 0.2333

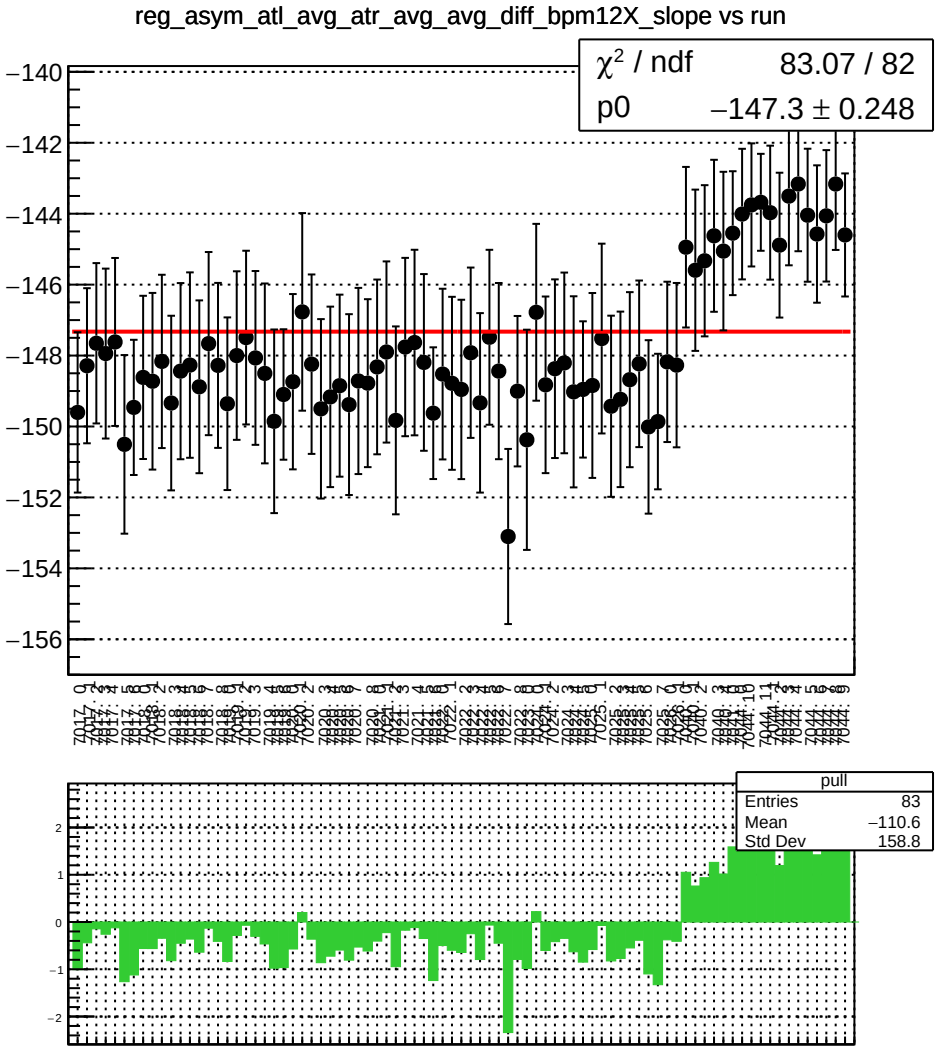

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.859 / 82
p0 −10.21 ± 4.847
pull
Entries 83
Mean −65.22
Std Dev 121.1

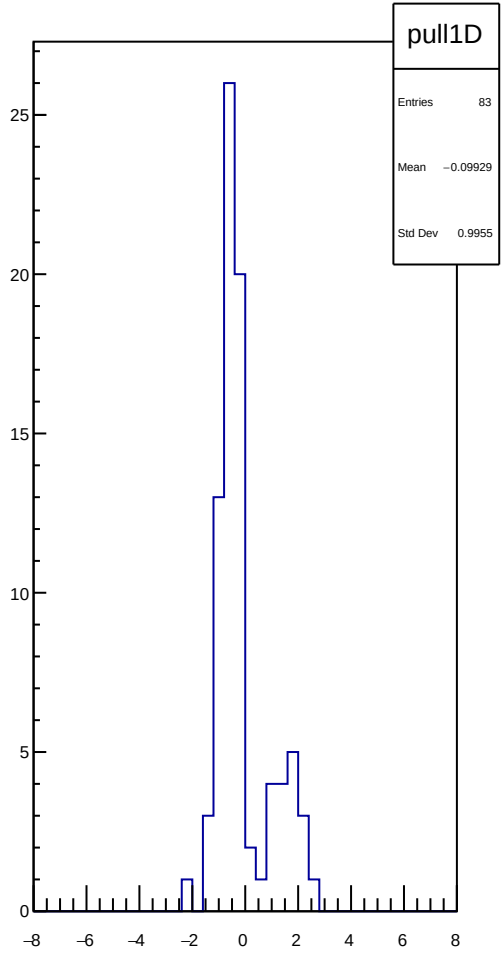

pull1D
Entries 83
Mean −0.009641
Std Dev 0.2418

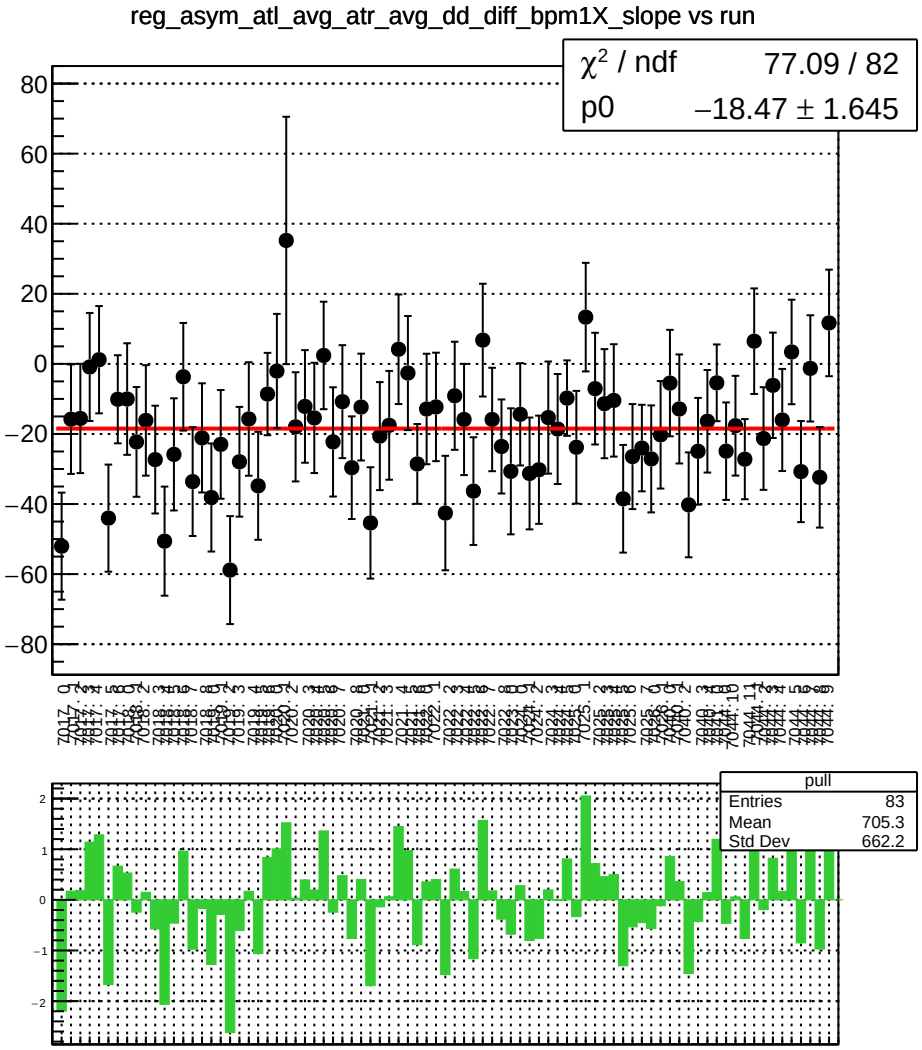

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 4.491 / 82
p0 271.8 ± 6.789
pull
Entries 83
Mean −103.6
Std Dev 161.4
pull1D
Entries 83
Mean 0.004861
Std Dev 0.2326

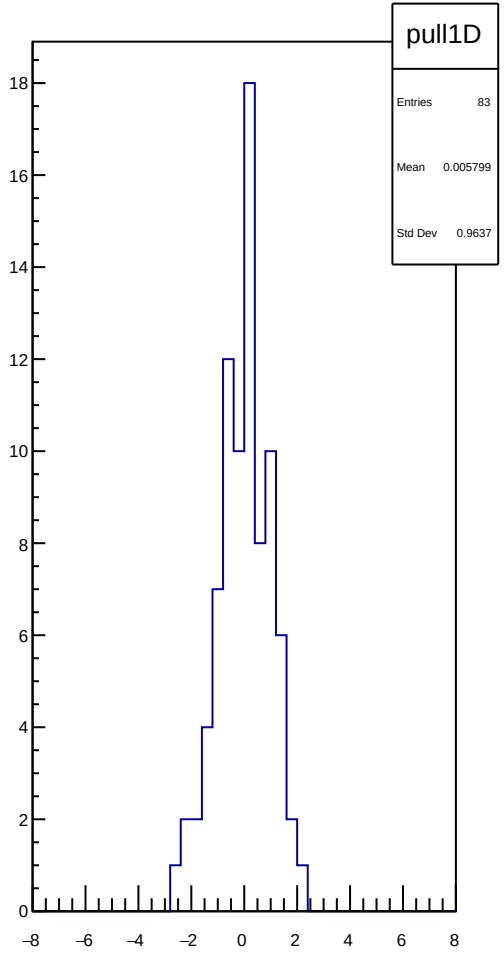

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.737 / 82
p0 79.54 ± 5.256
pull
Entries 83
Mean −63.99
Std Dev 117.1


pull1D
Entries 83
Mean 0.01606
Std Dev 0.2624

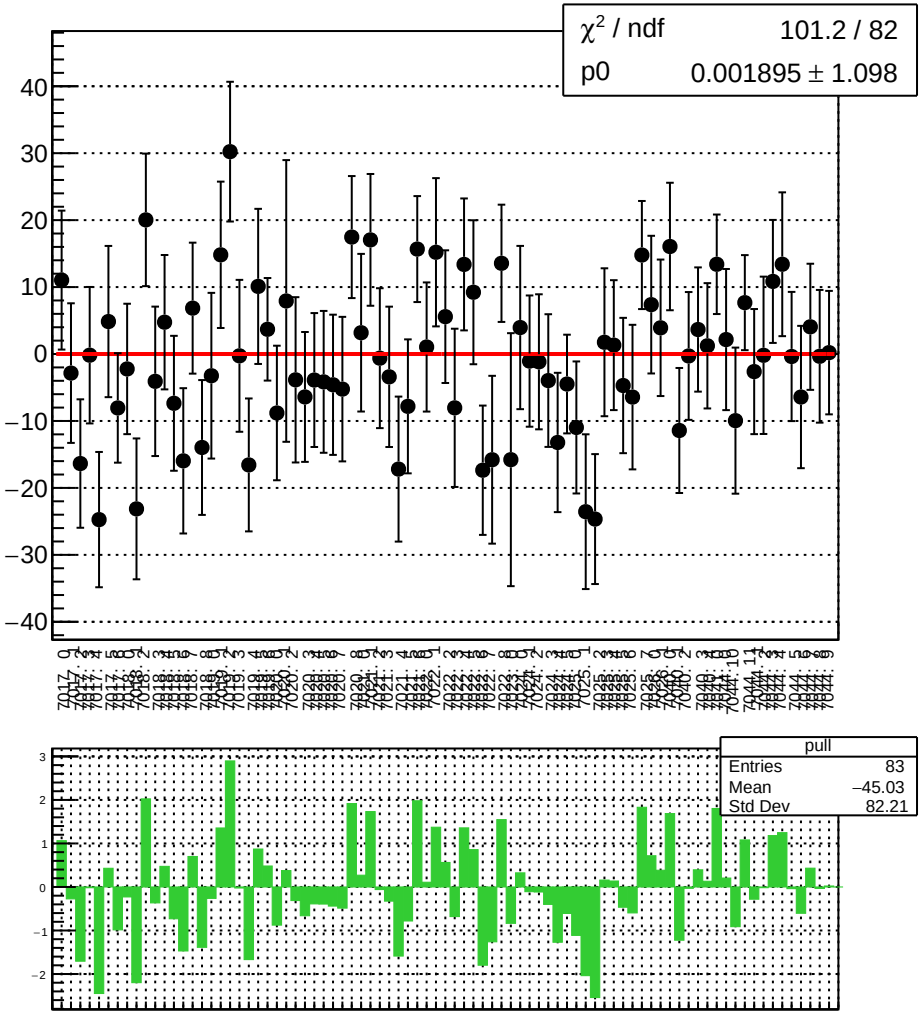

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 83.07 / 82
p0 −147.3 ± 0.248
pull
Entries 83
Mean −110.6
Std Dev 158.8

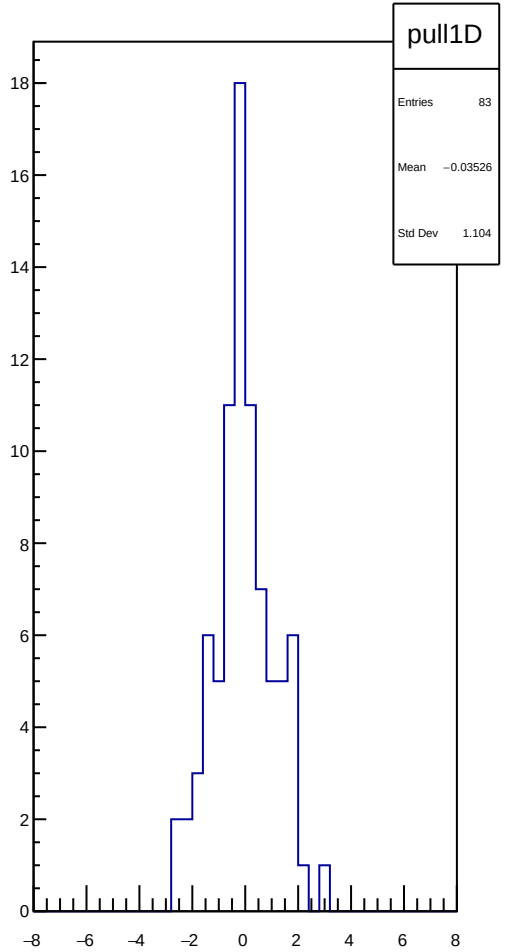

pull1D
Entries 83
Mean −0.09929
Std Dev 0.9955

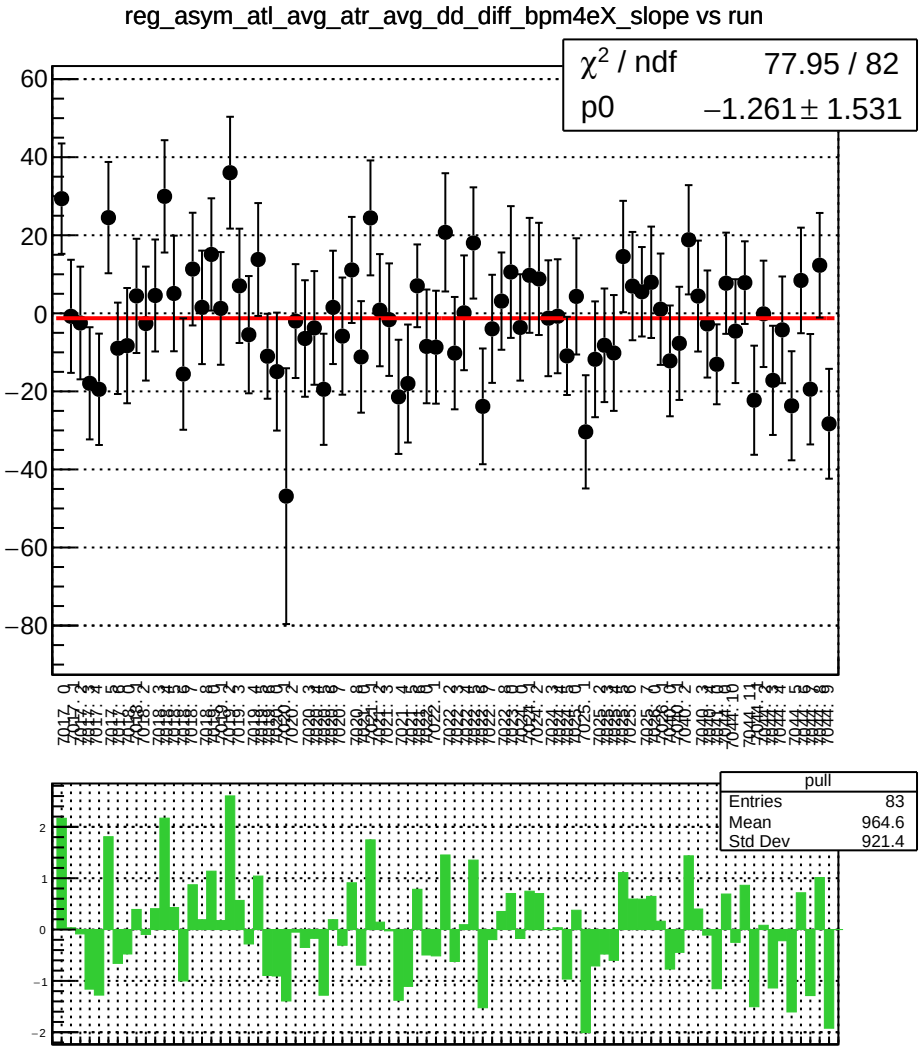

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 77.09 / 82
p0 −18.47 ± 1.645
pull
Entries 83
Mean 705.3
Std Dev 662.2

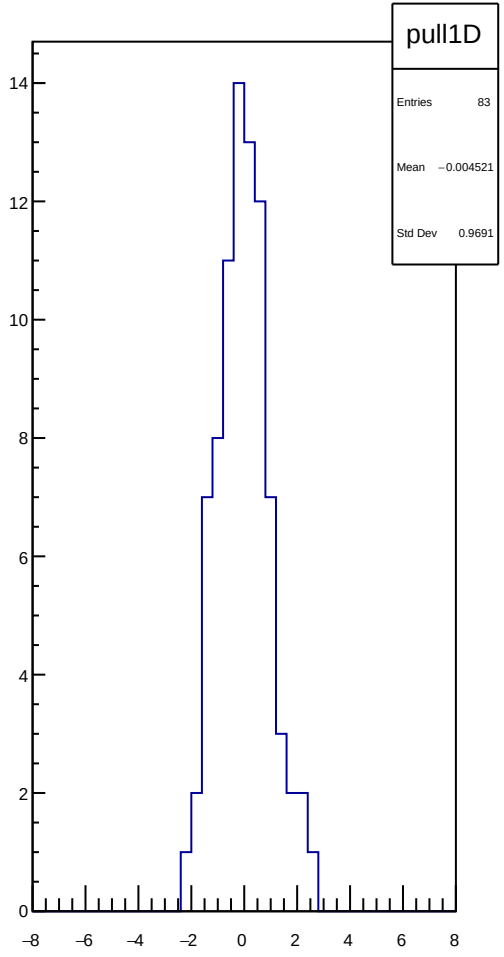

pull1D
Entries 83
Mean 0.005799
Std Dev 0.9637

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

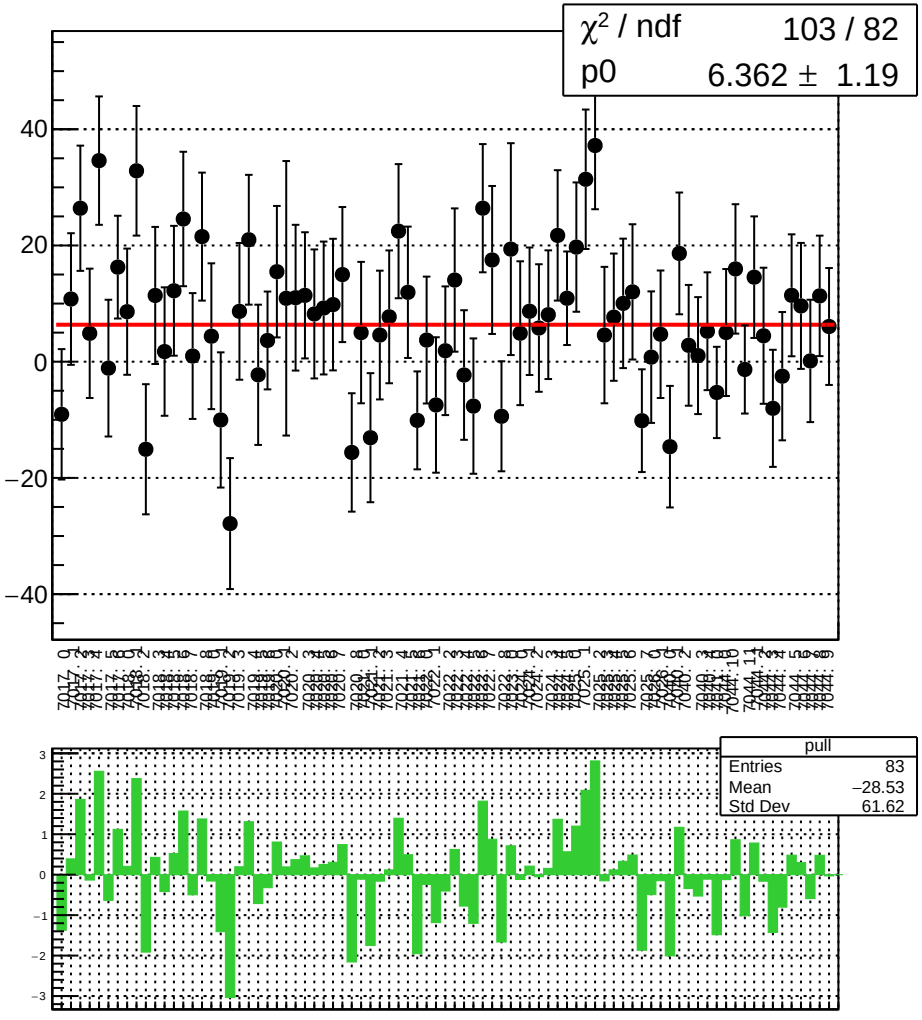


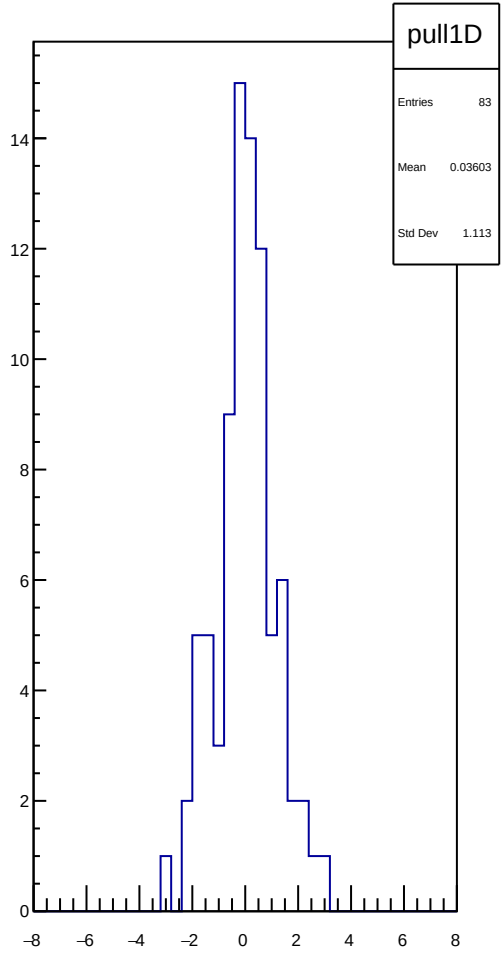


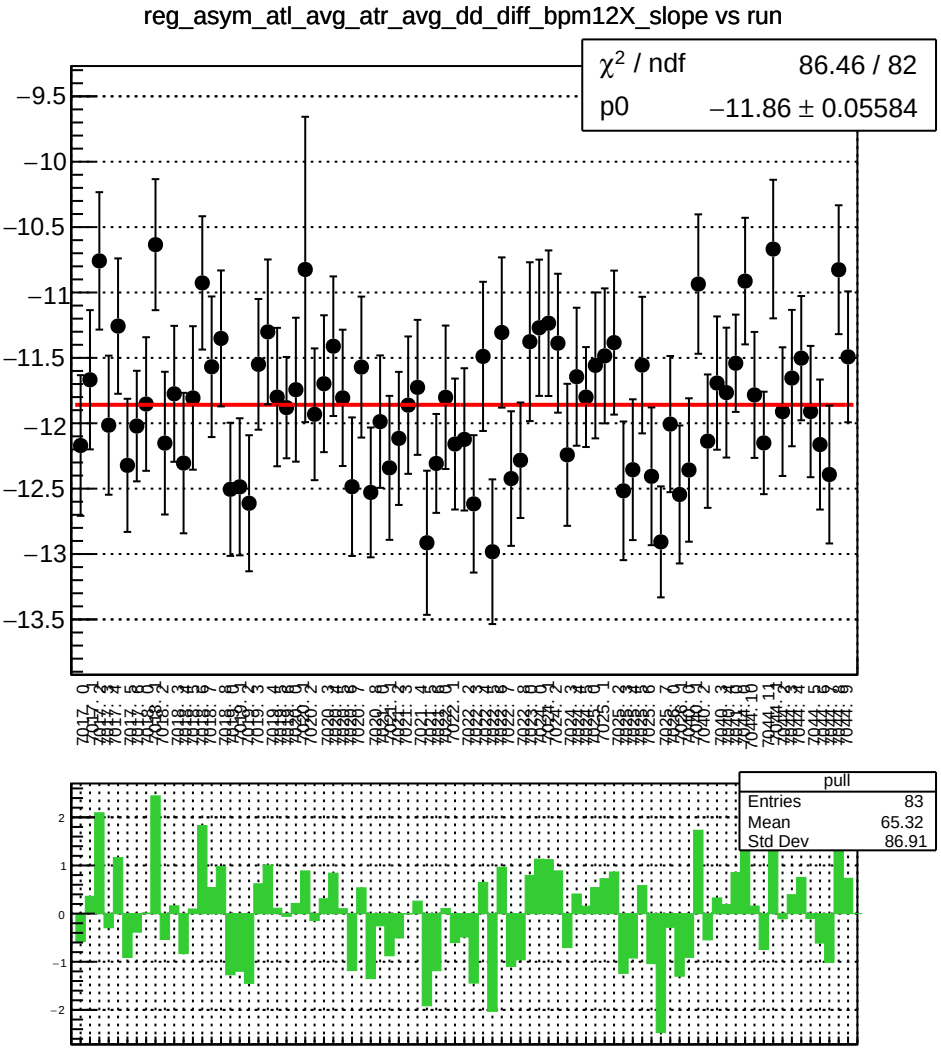

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.95 / 82
p0 −1.261 ± 1.531
pull
Entries 83
Mean 964.6
Std Dev 921.4

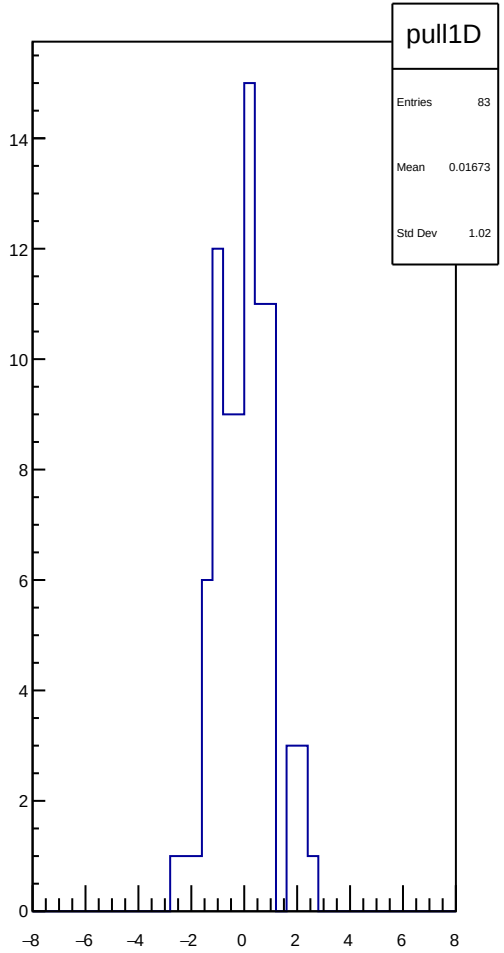

pull1D
Entries 83
Mean −0.004521
Std Dev 0.9691

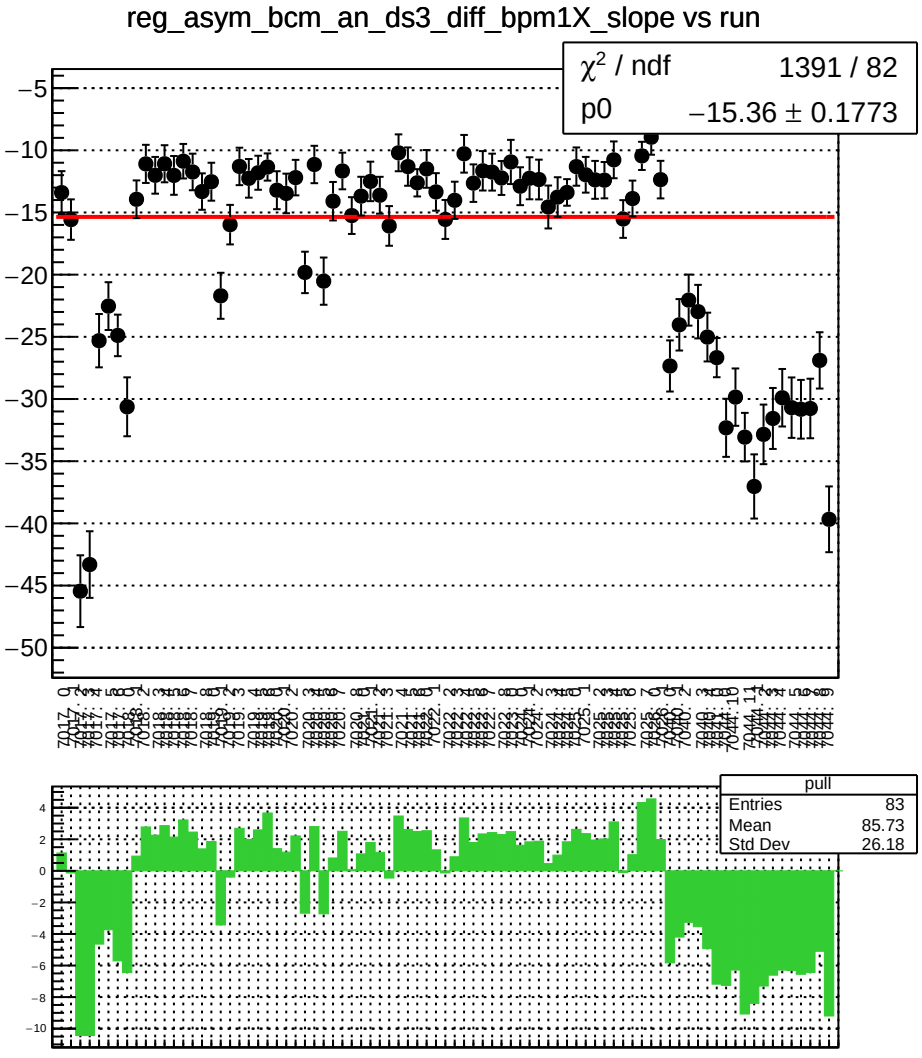
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

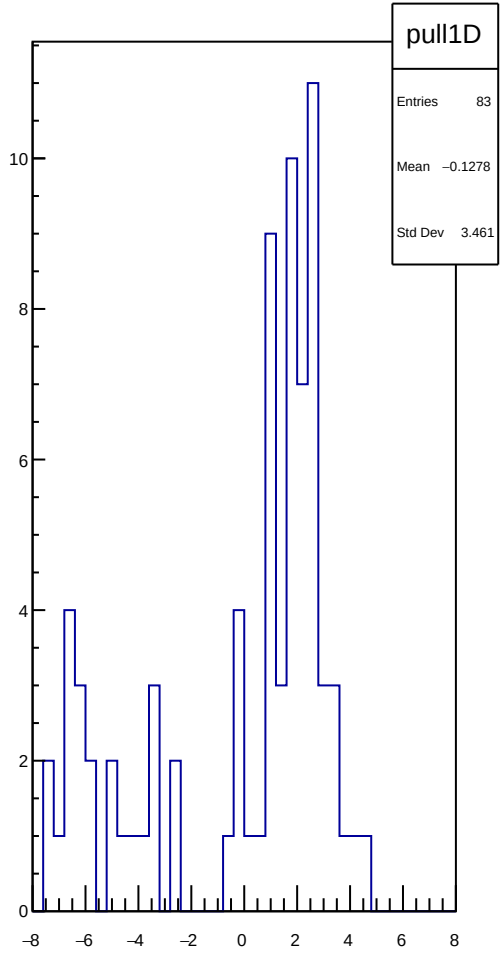




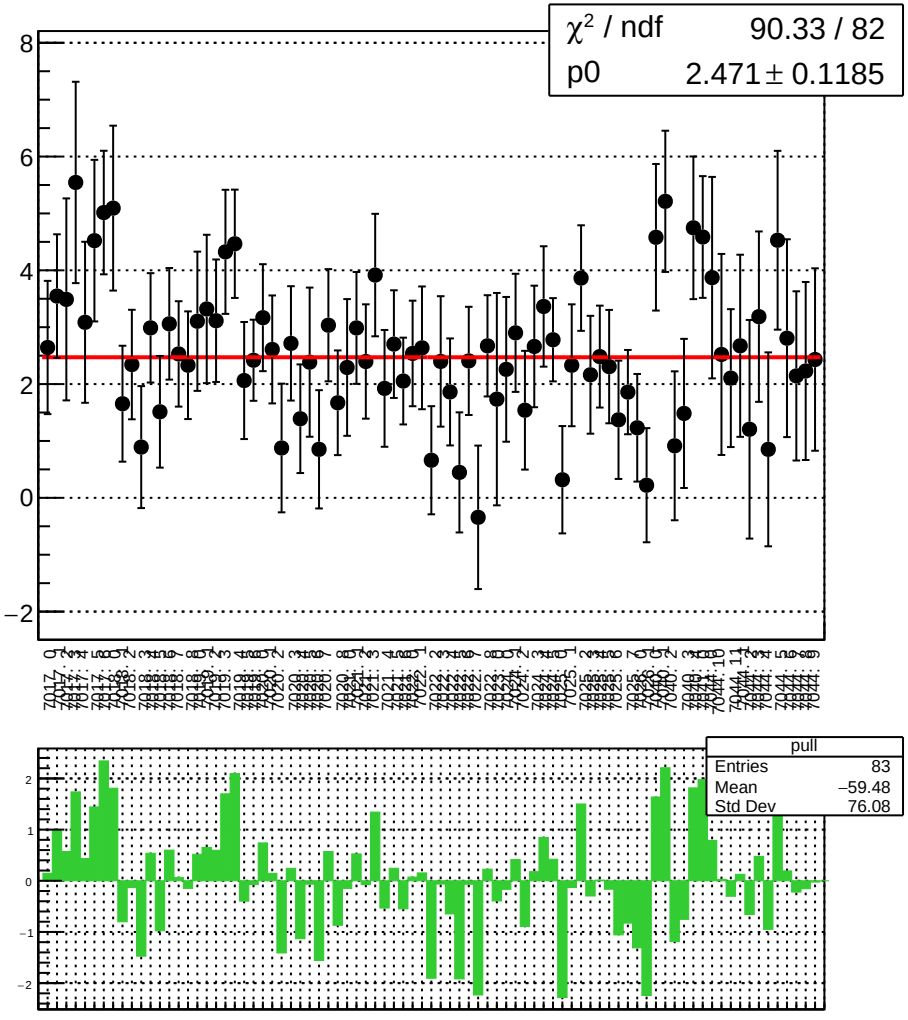

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 86.46 / 82
p0 −11.86 ± 0.05584
pull
Entries 83
Mean 65.32
Std Dev 86.91

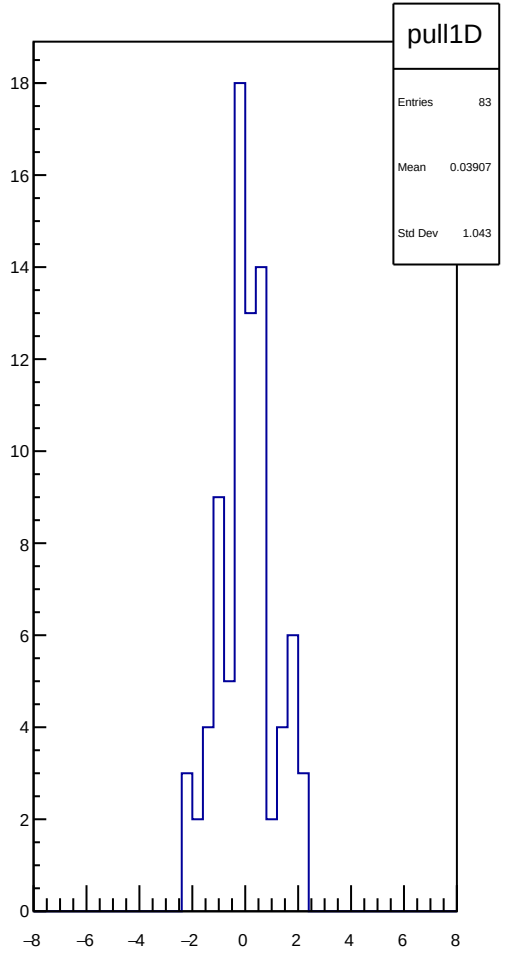

pull1D
Entries 83
Mean 0.01673
Std Dev 1.02

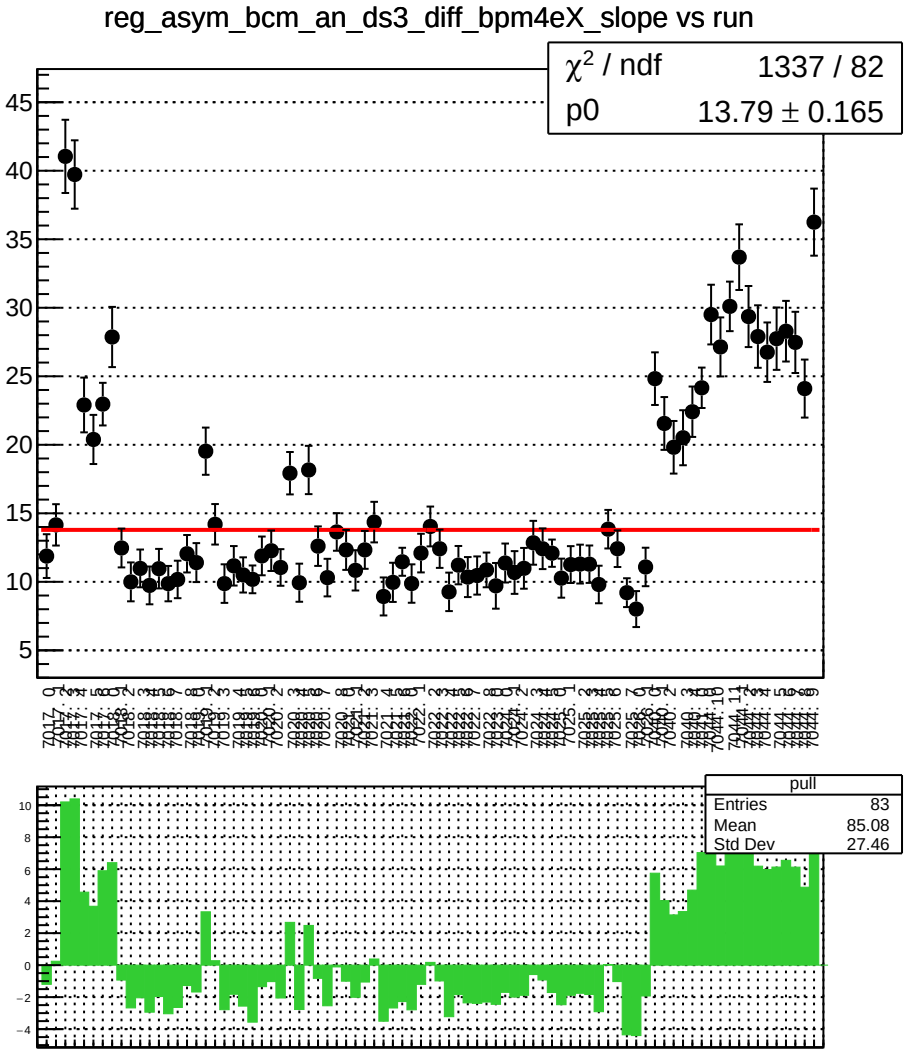

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 1391 / 82
p0 −15.36 ± 0.1773
pull
Entries 83
Mean 85.73
Std Dev 26.18

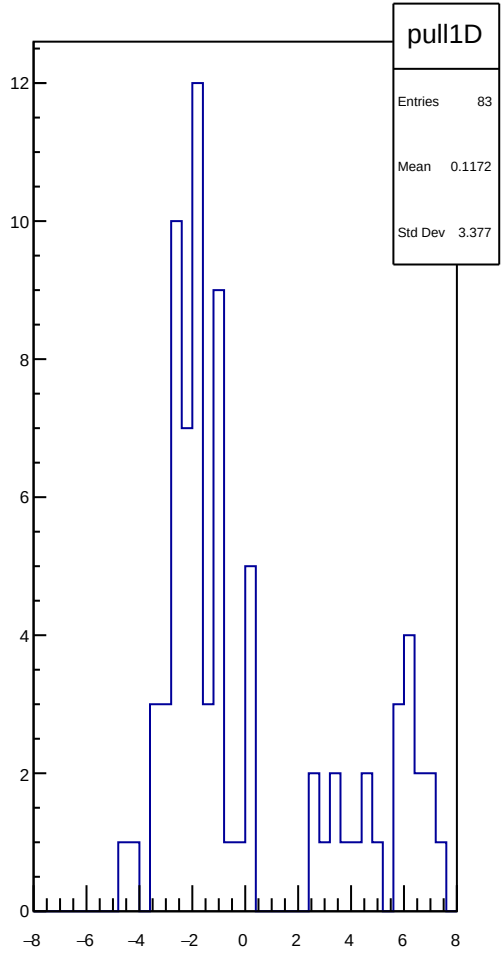

pull1D
Entries 83
Mean −0.1278
Std Dev 3.461

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

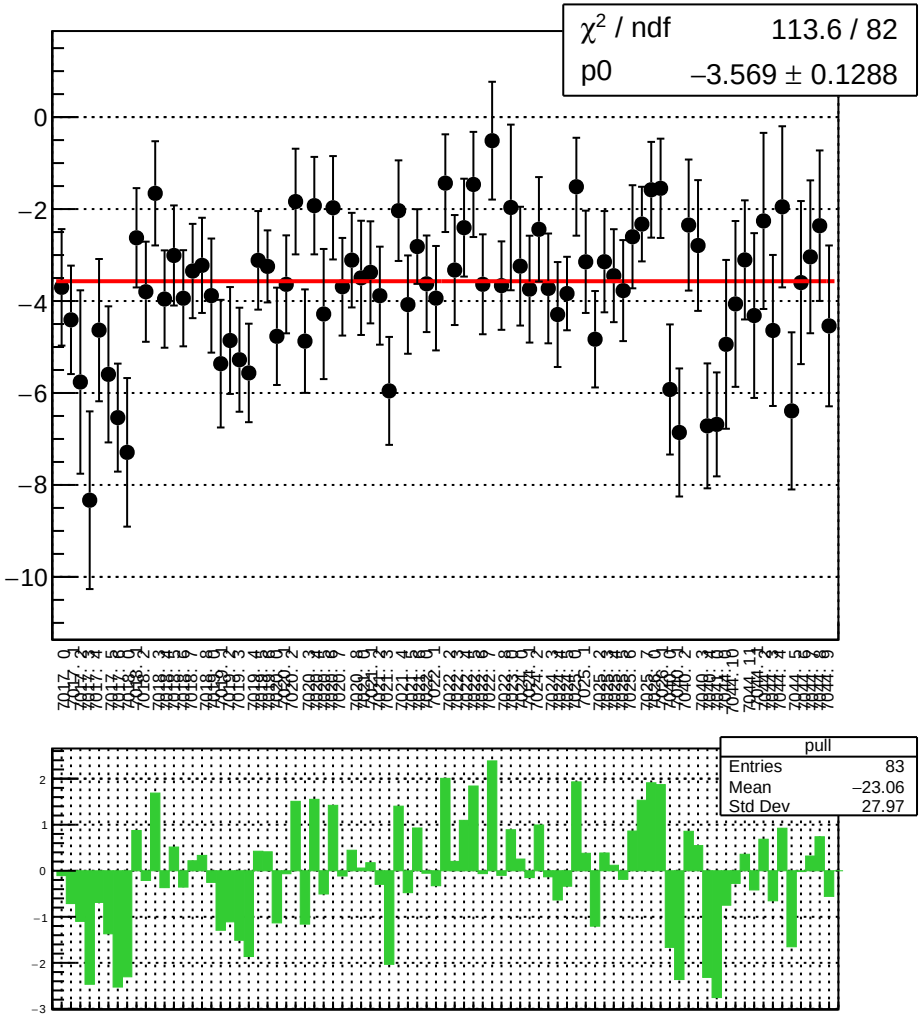


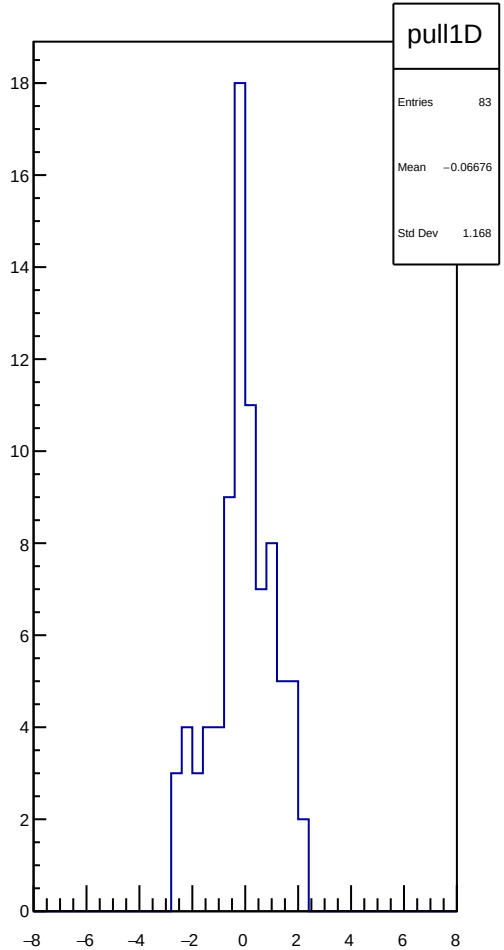


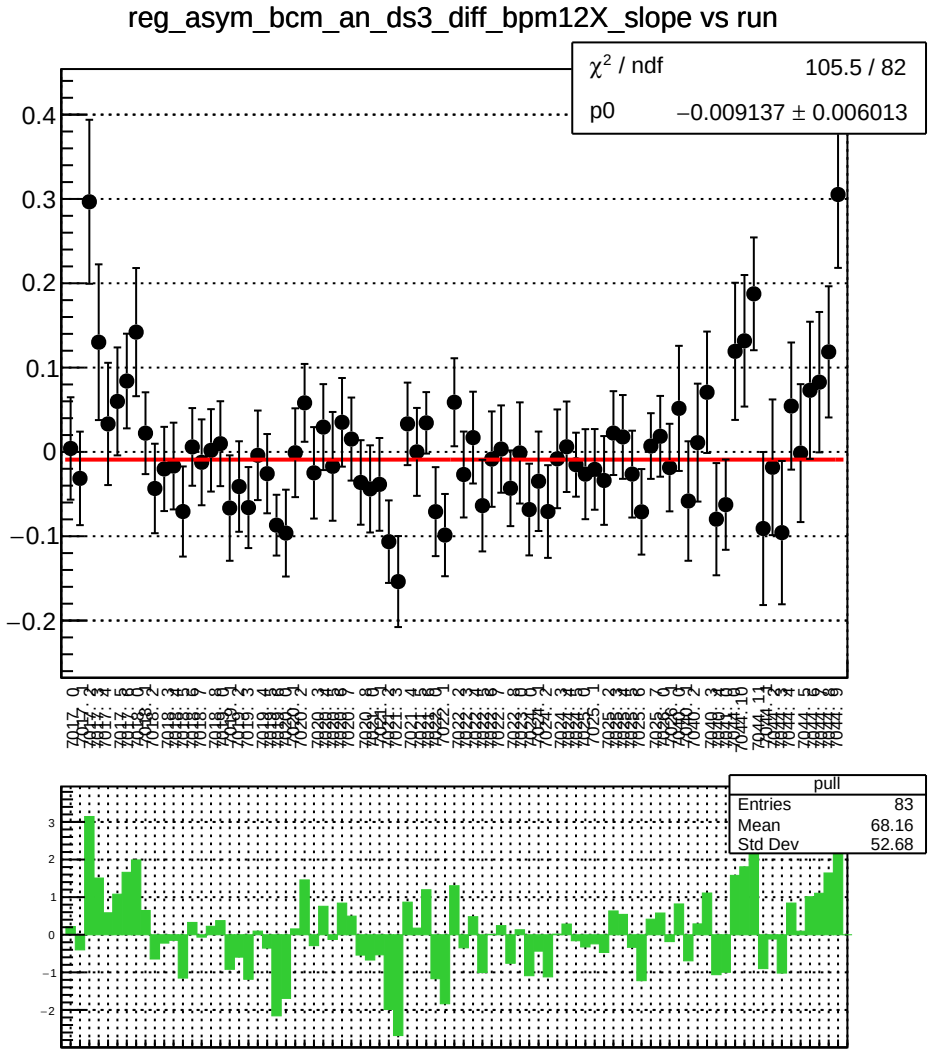

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1337 / 82
p0 13.79 ± 0.165
pull
Entries 83
Mean 85.08
Std Dev 27.46

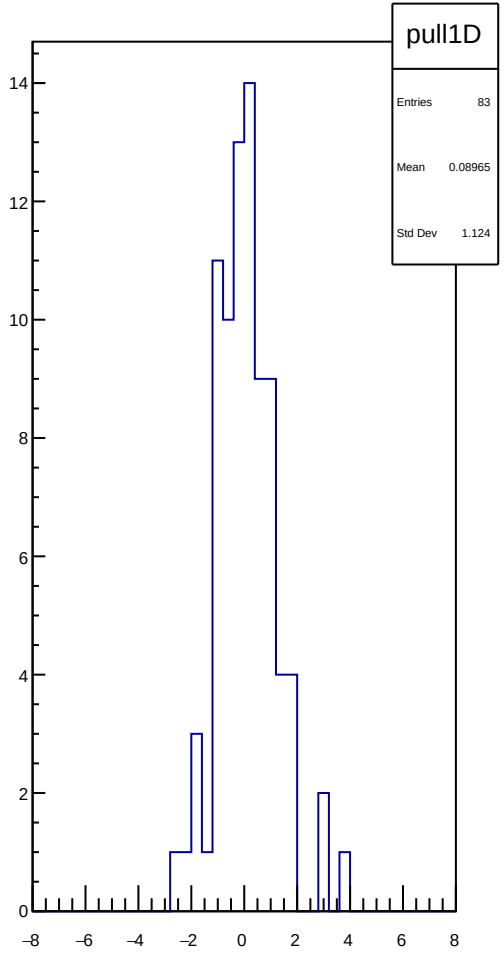

pull1D
Entries 83
Mean 0.1172
Std Dev 3.377

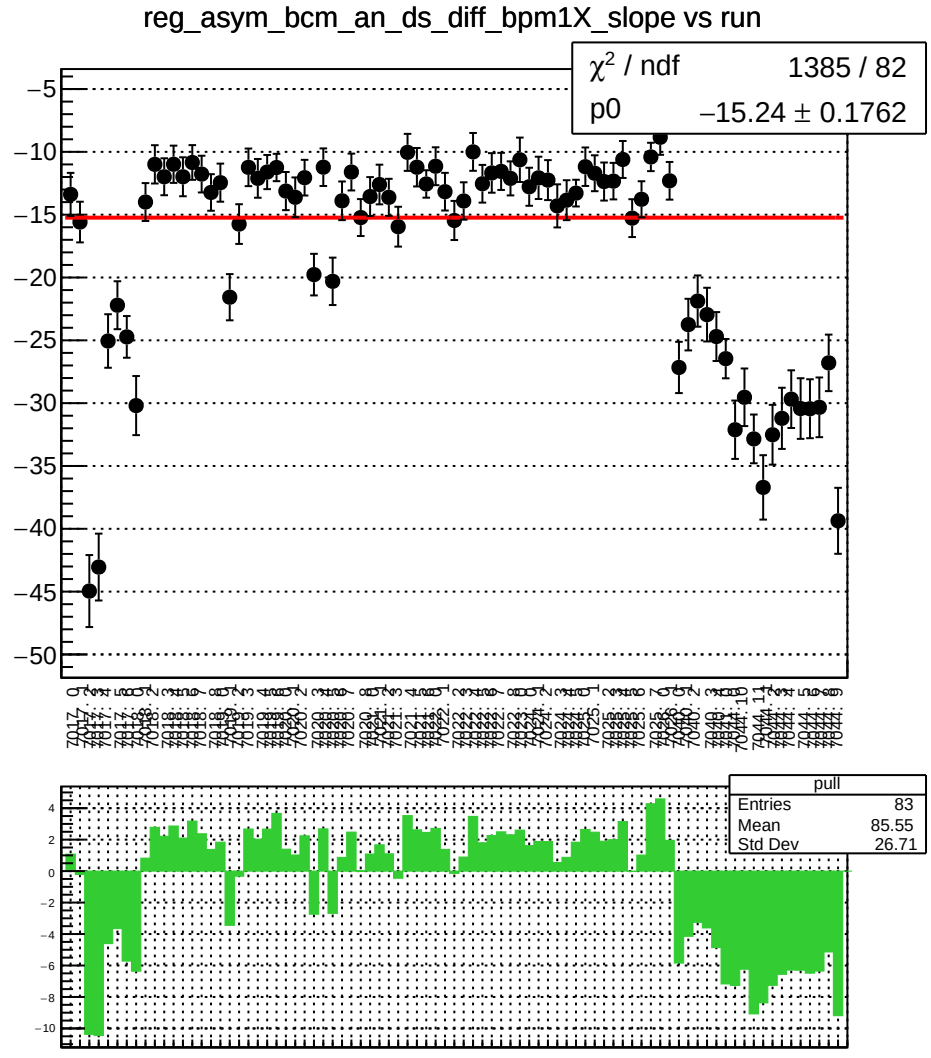
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

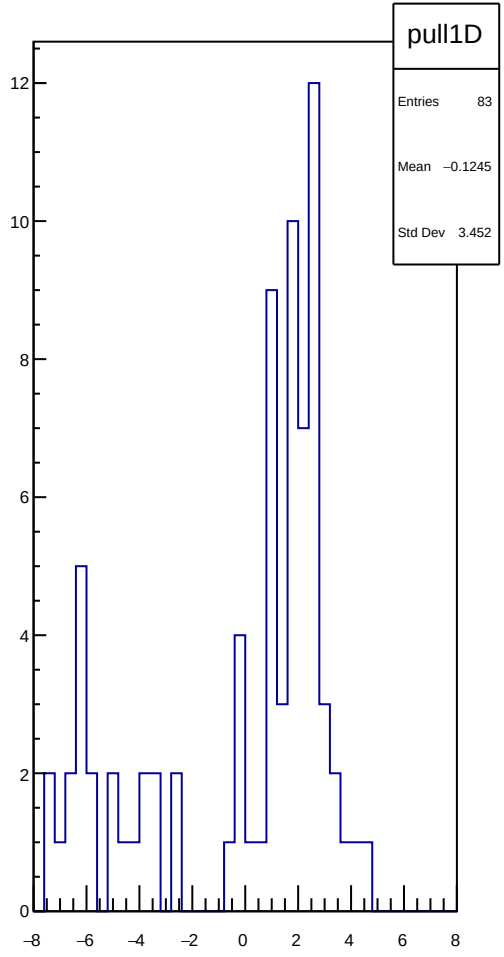


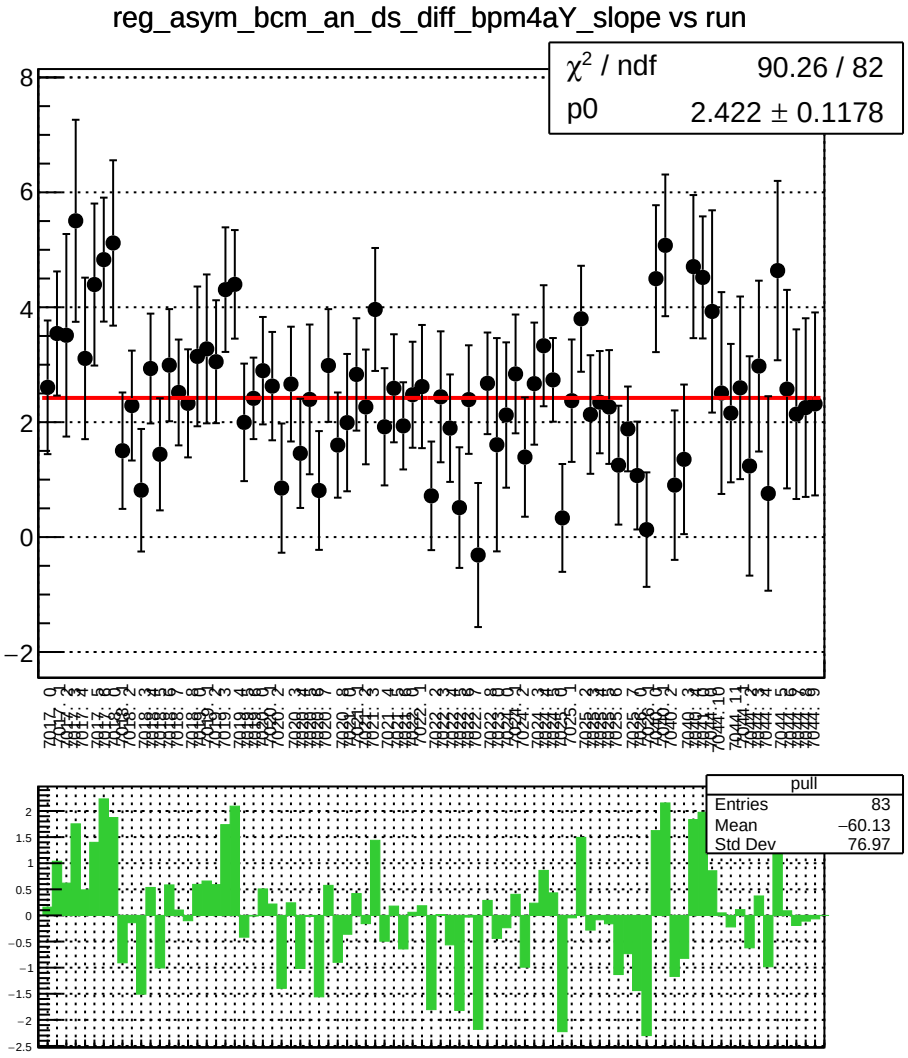


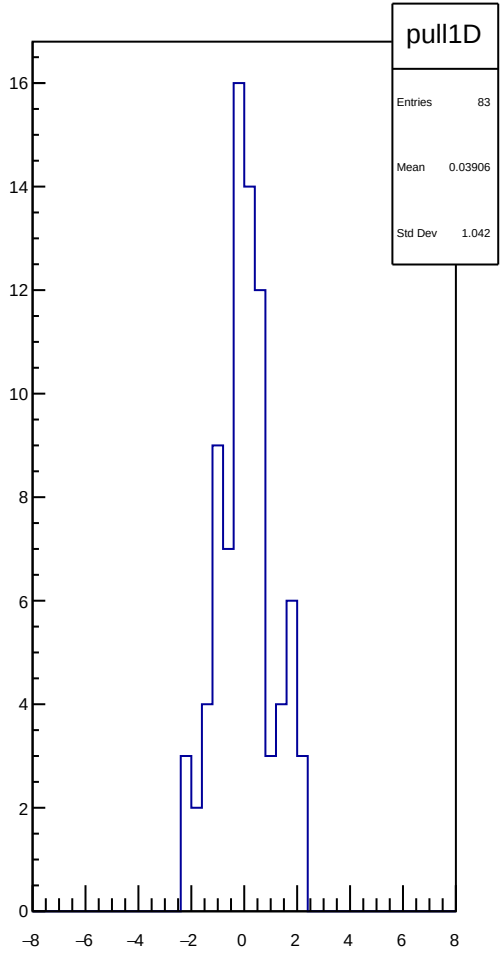

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 105.5 / 82
p0 −0.009137 ± 0.006013
pull
Entries 83
Mean 68.16
Std Dev 52.68

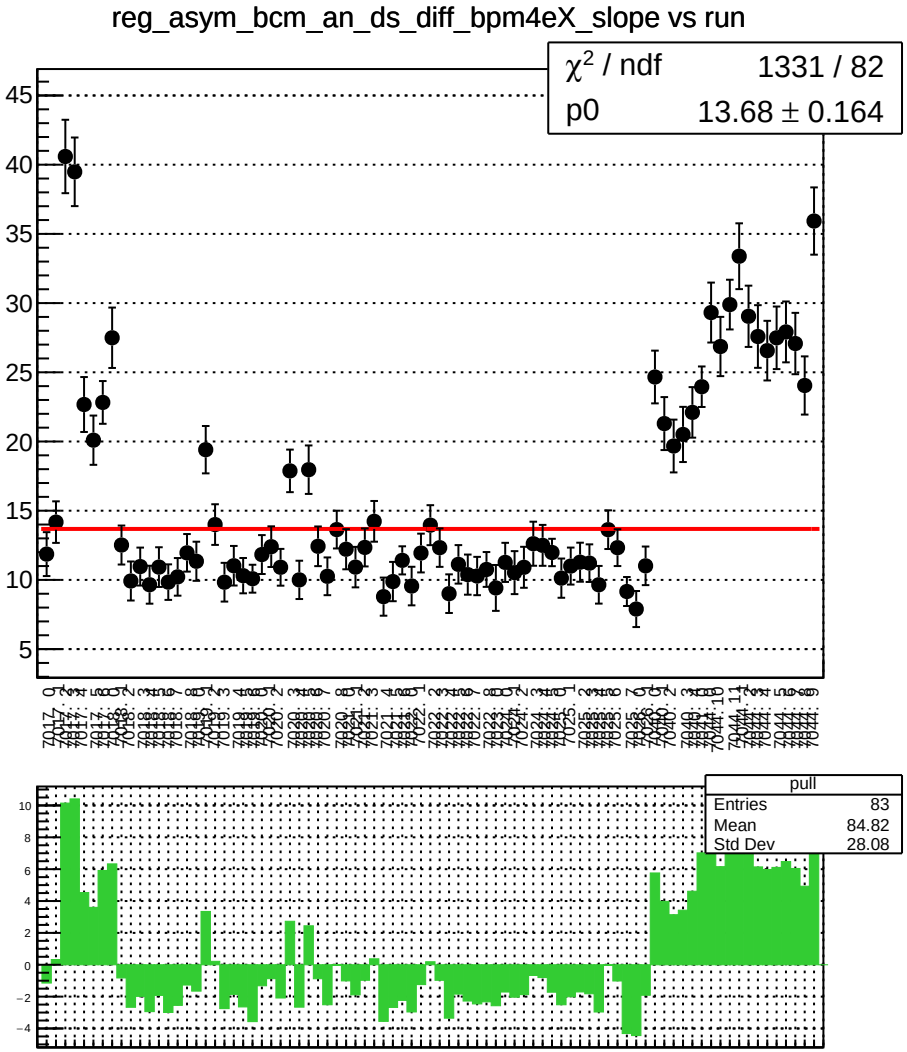

pull1D
Entries 83
Mean 0.08965
Std Dev 1.124

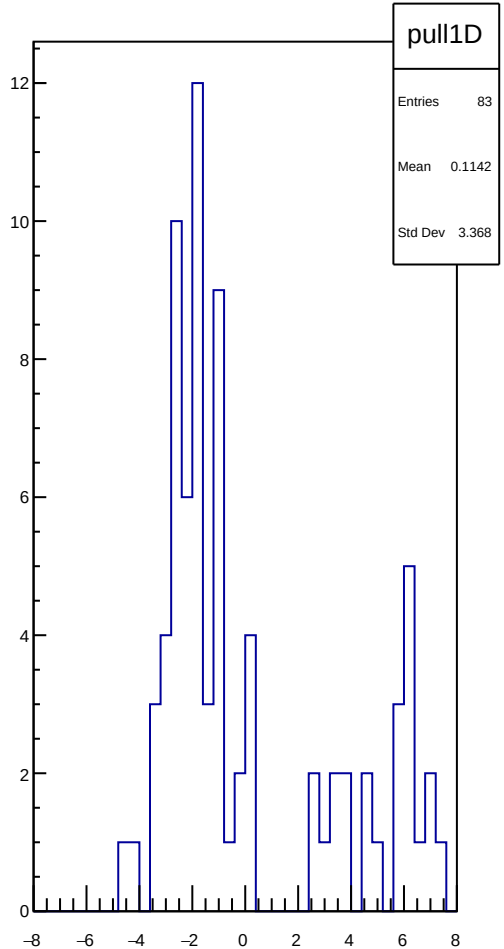

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1385 / 82
p0 −15.24 ± 0.1762
pull
Entries 83
Mean 85.55
Std Dev 26.71


pull1D
Entries 83
Mean −0.1245
Std Dev 3.452

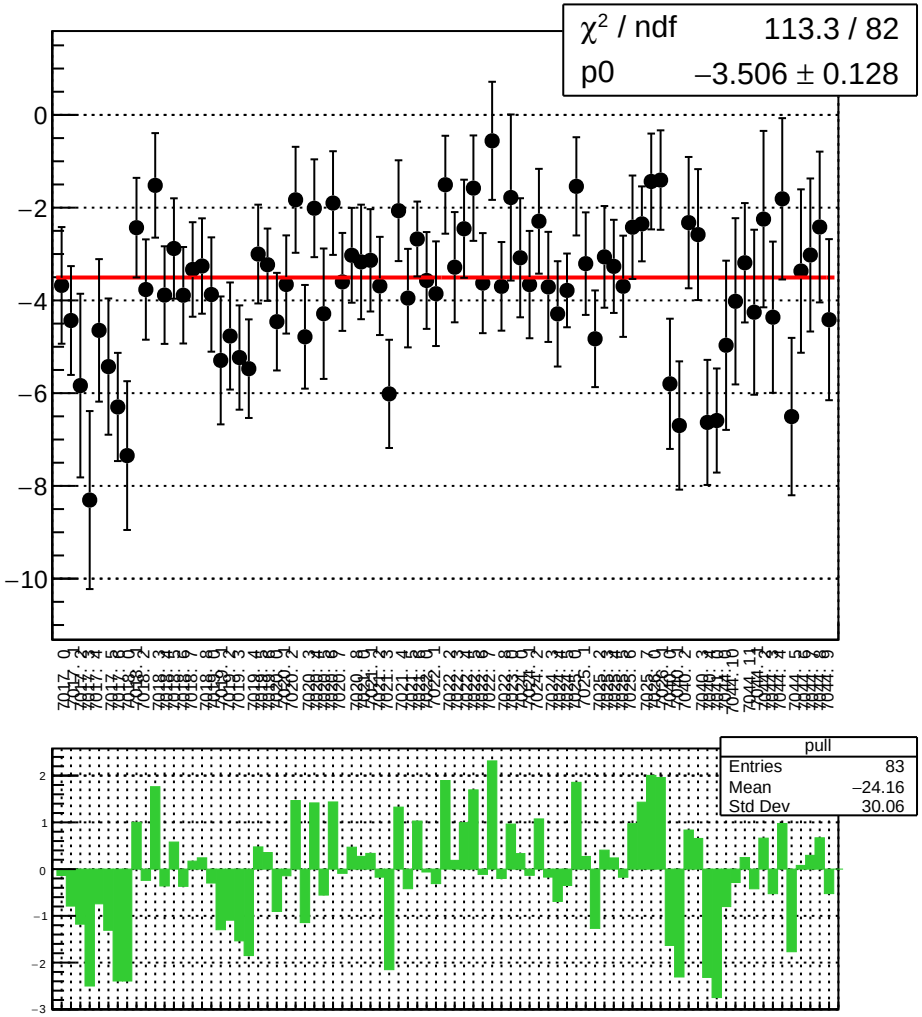

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 90.26 / 82
p0 2.422 ± 0.1178
pull
Entries 83
Mean −60.13
Std Dev 76.97

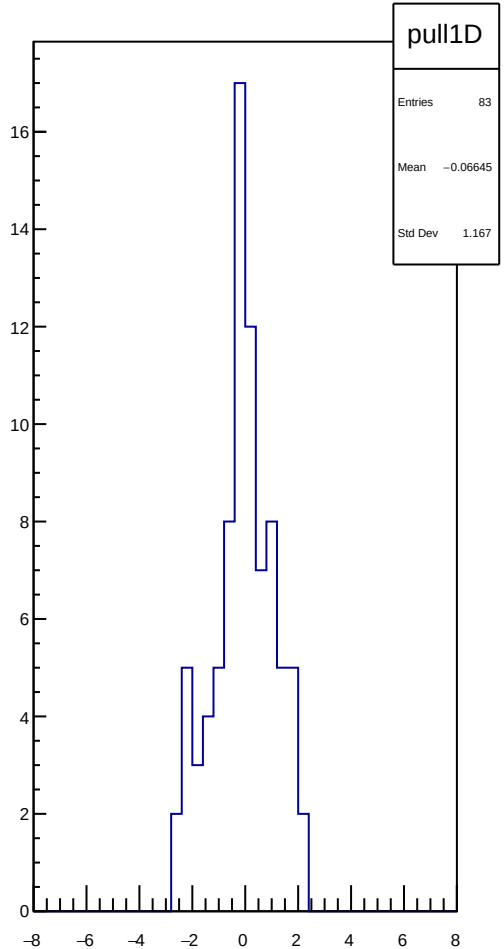

pull1D
Entries 83
Mean 0.03906
Std Dev 1.042

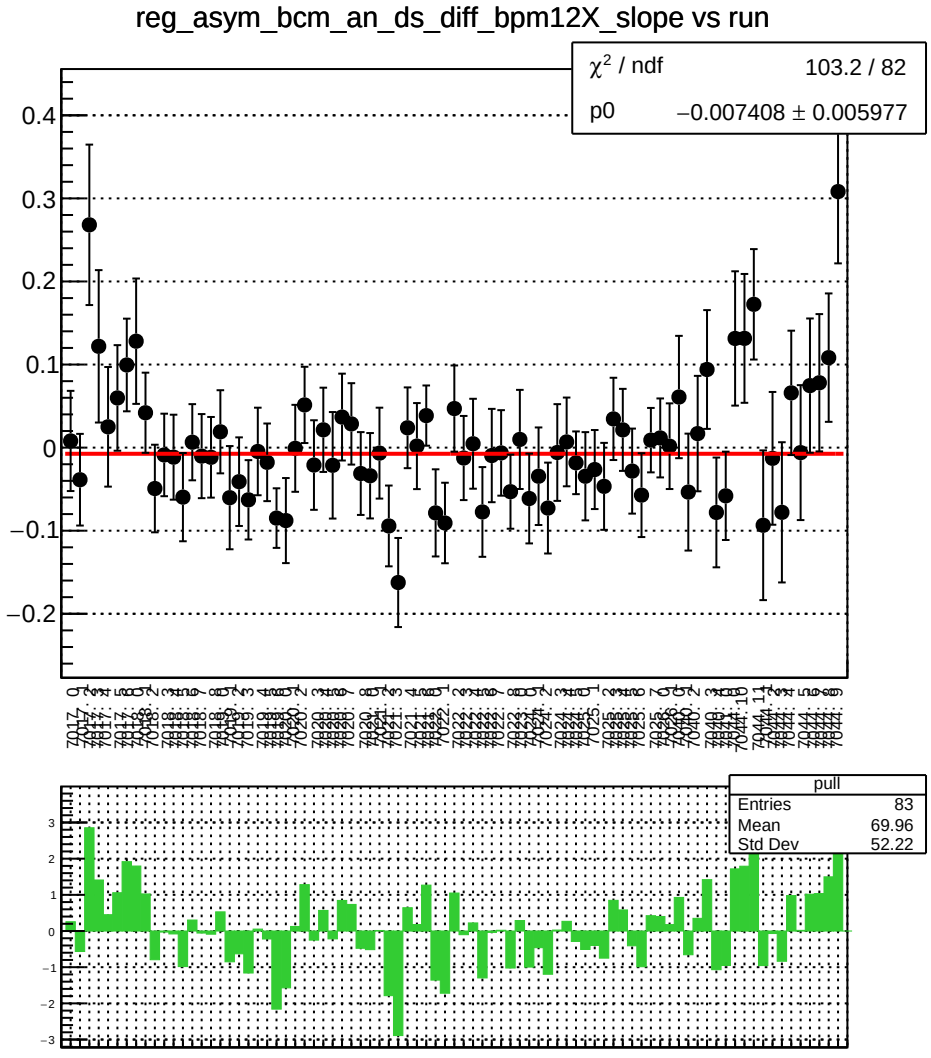

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1331 / 82
p0 13.68 ± 0.164
pull
Entries 83
Mean 84.82
Std Dev 28.08

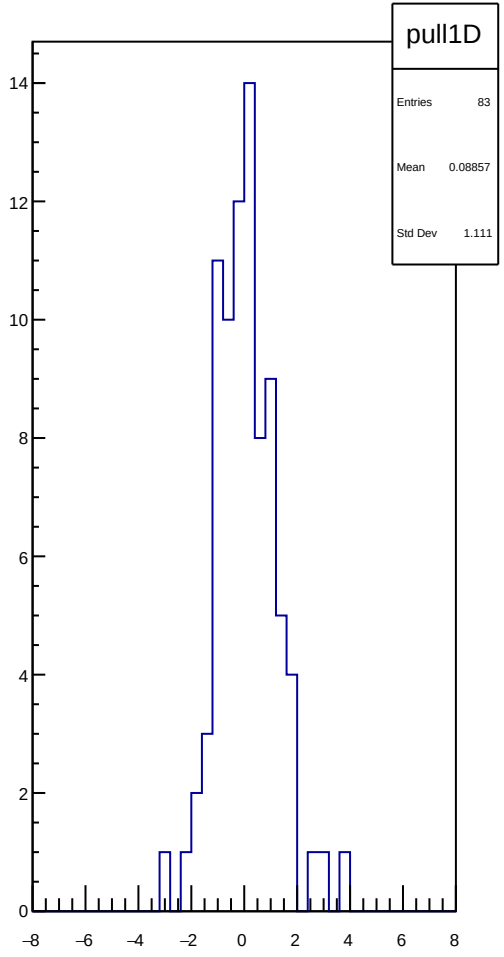

pull1D
Entries 83
Mean 0.1142
Std Dev 3.368

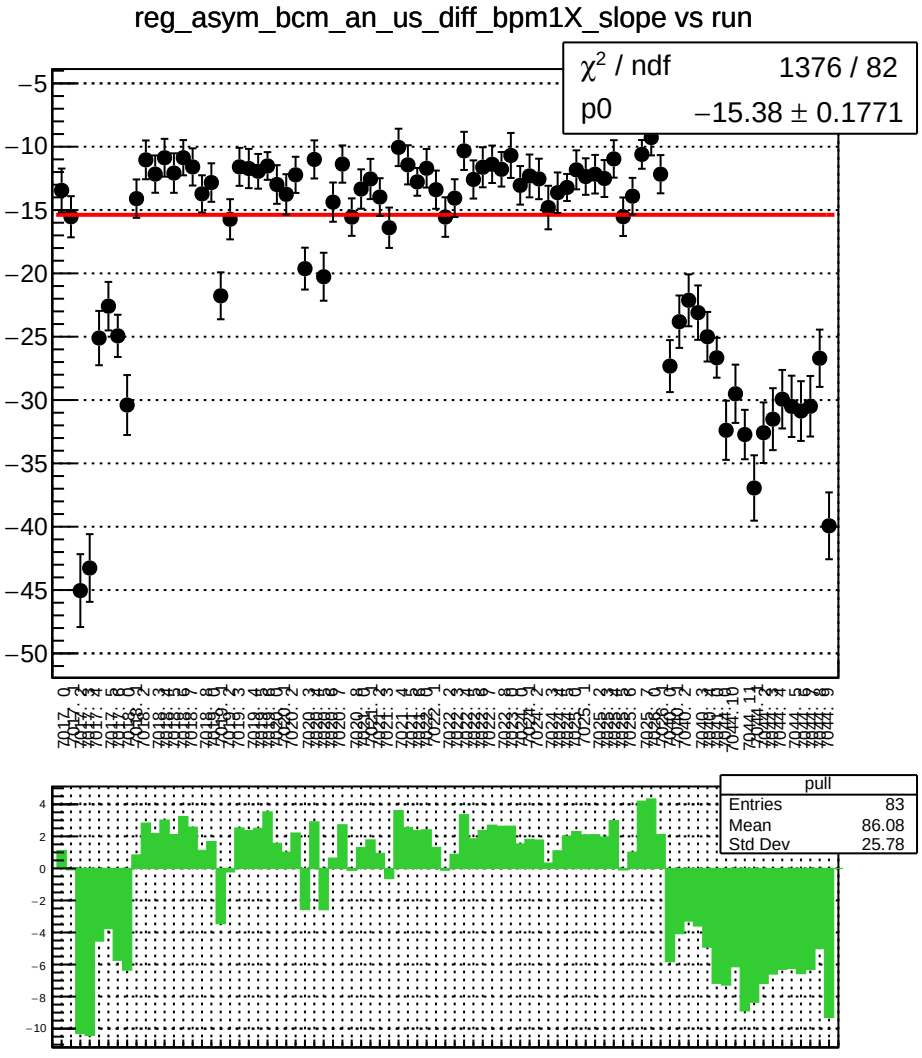
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run

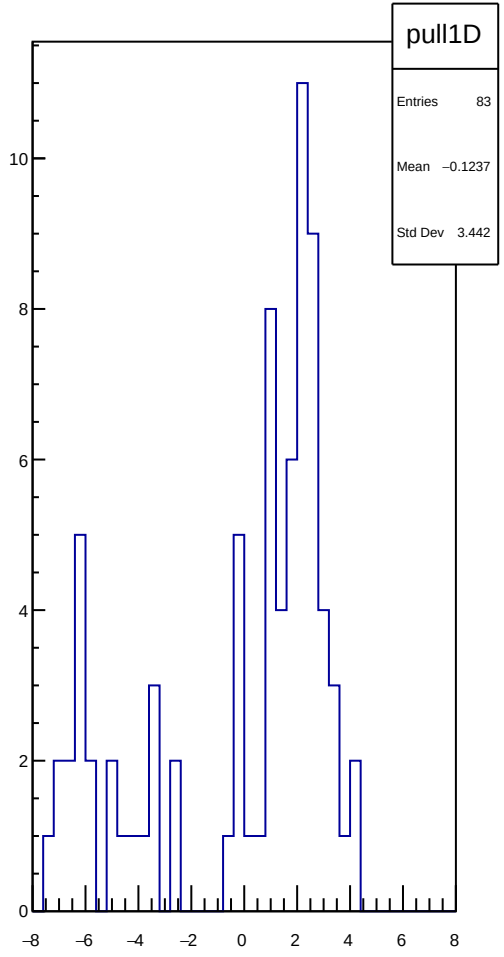




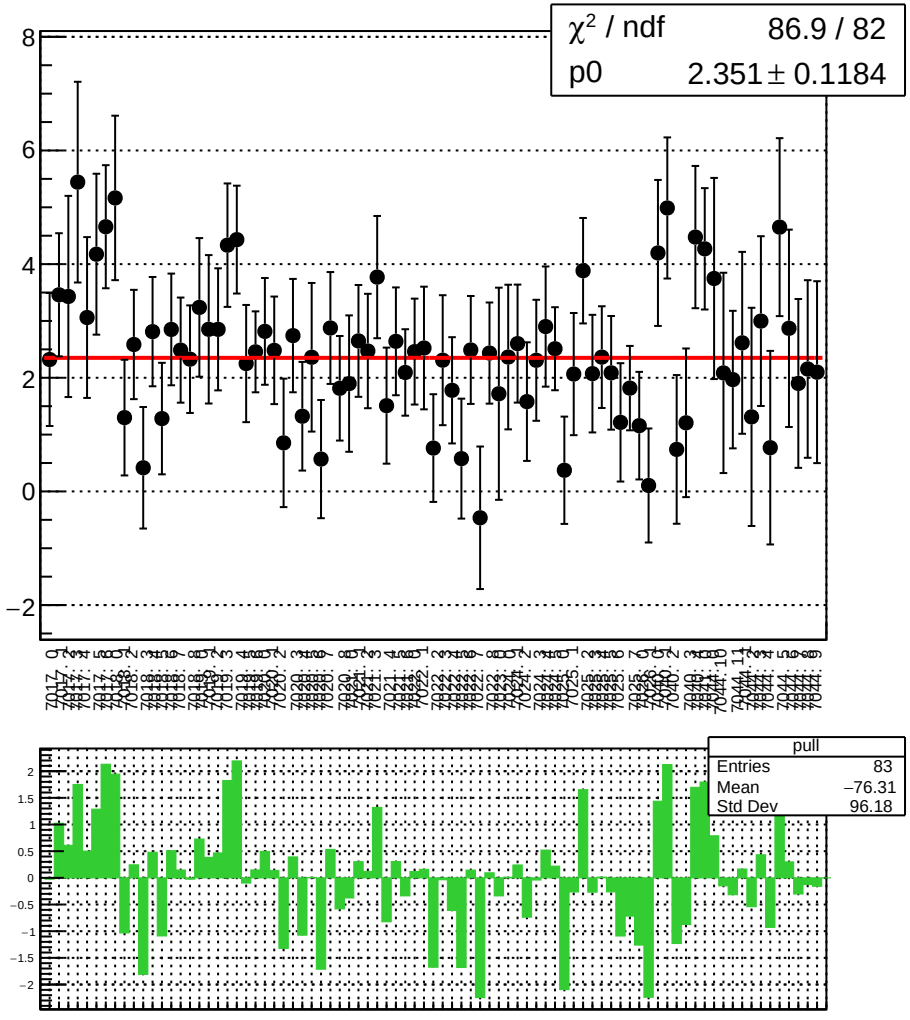

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 103.2 / 82
p0 −0.007408 ± 0.005977
pull
Entries 83
Mean 69.96
Std Dev 52.22

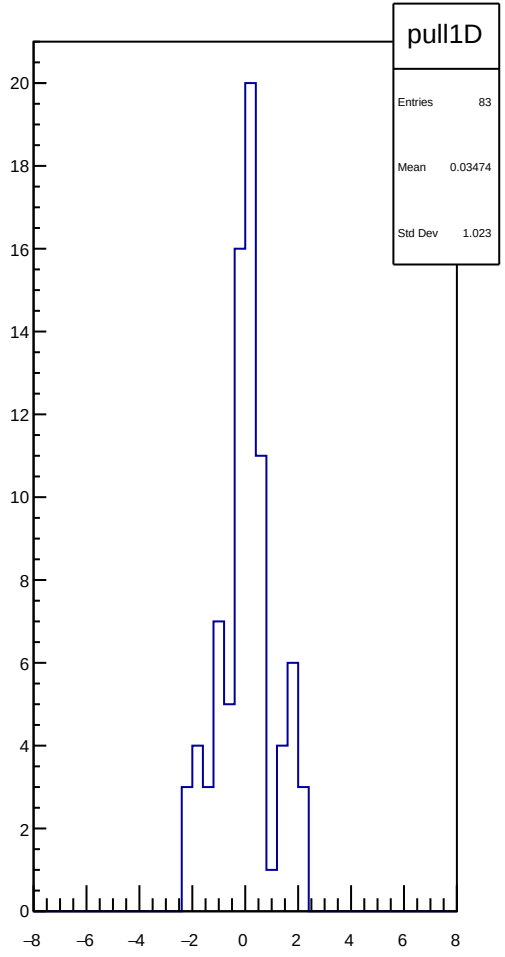

pull1D
Entries 83
Mean 0.08857
Std Dev 1.111

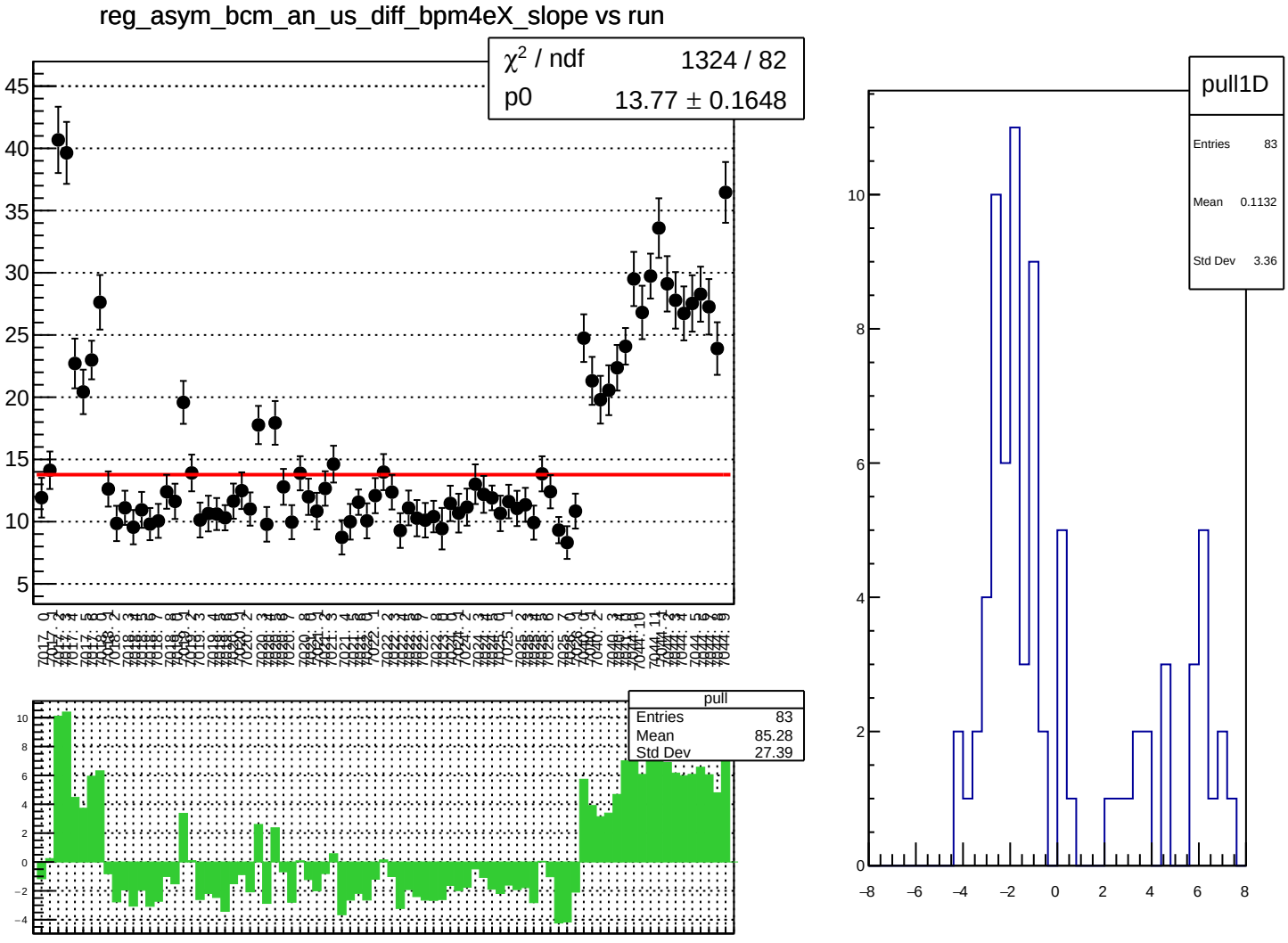

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1376 / 82
p0 −15.38 ± 0.1771
pull
Entries 83
Mean 86.08
Std Dev 25.78

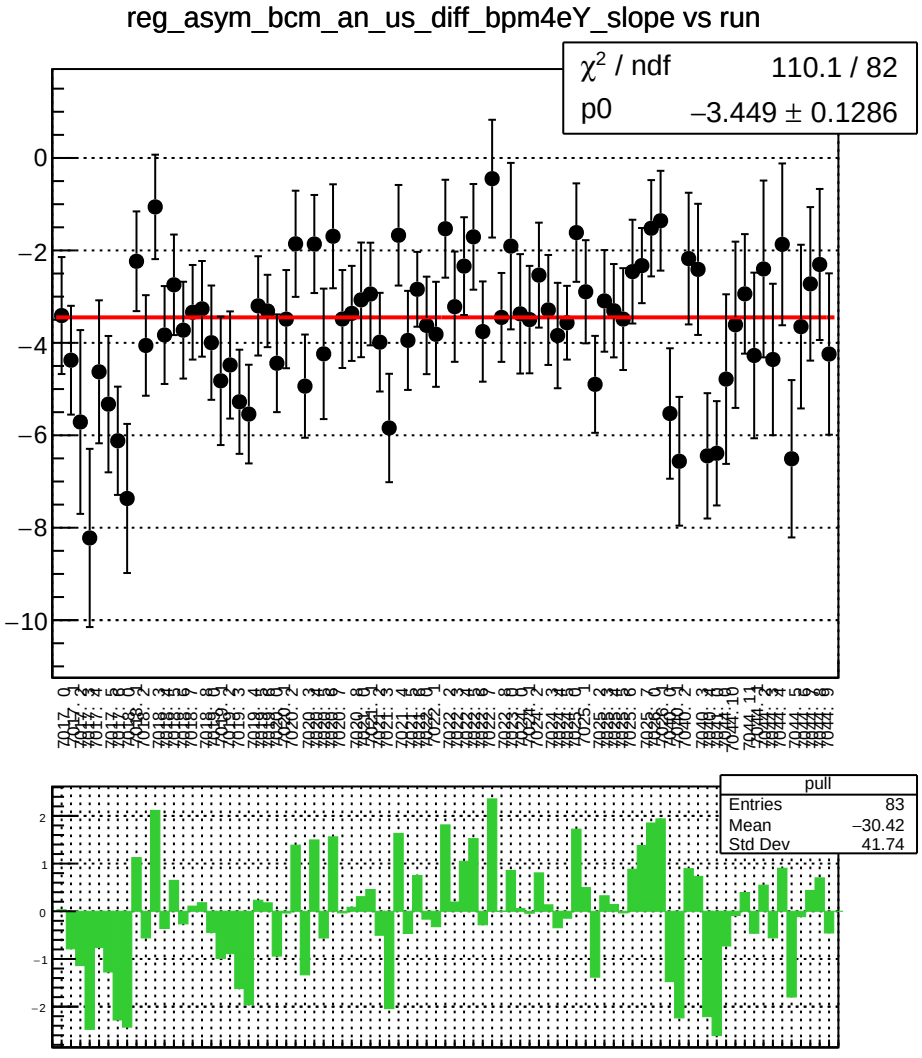

pull1D
Entries 83
Mean −0.1237
Std Dev 3.442

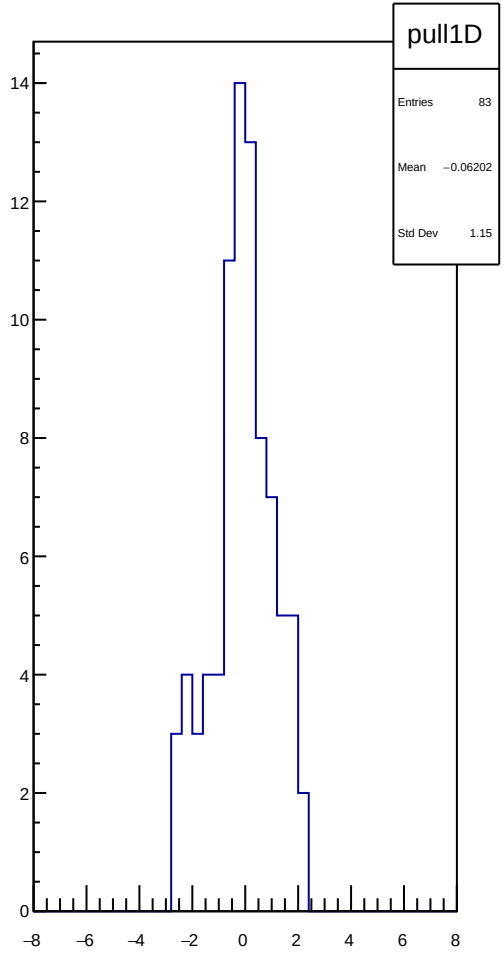
reg_asym_bcm_an_us_diff_bpm4aY_slope vs run

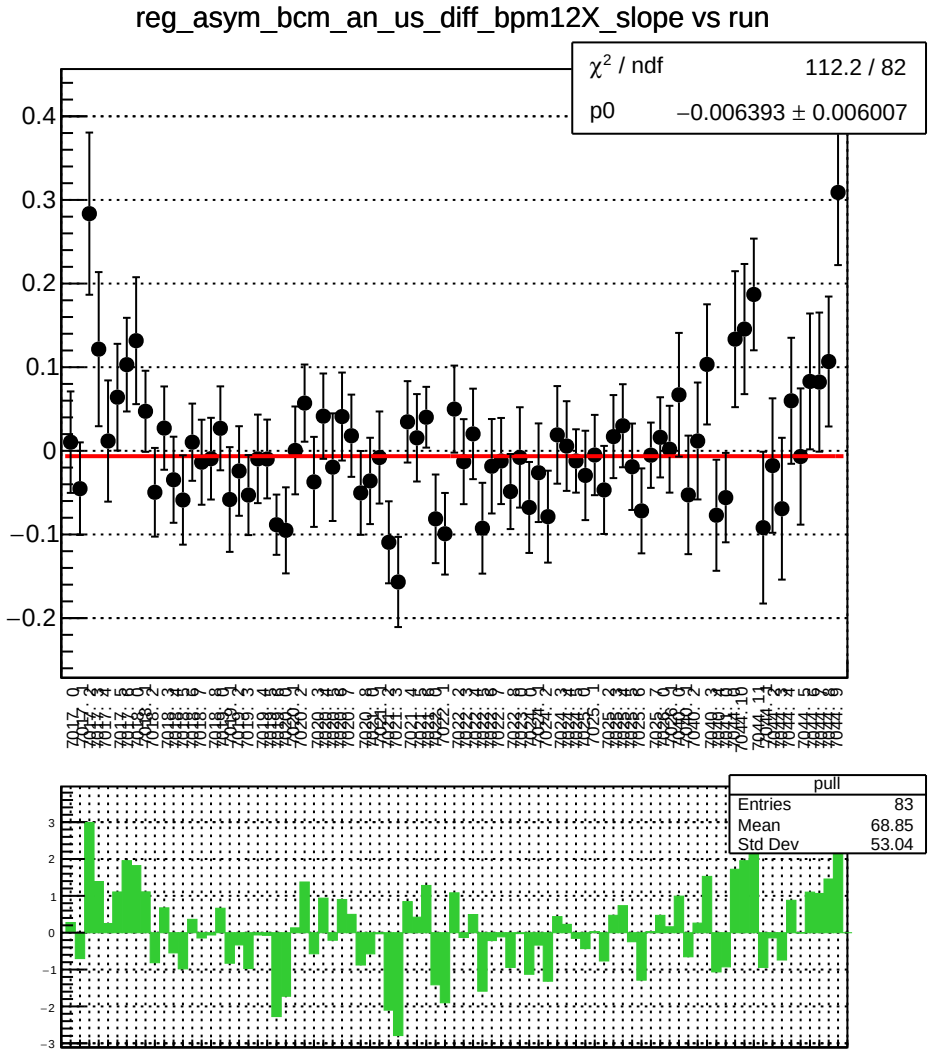


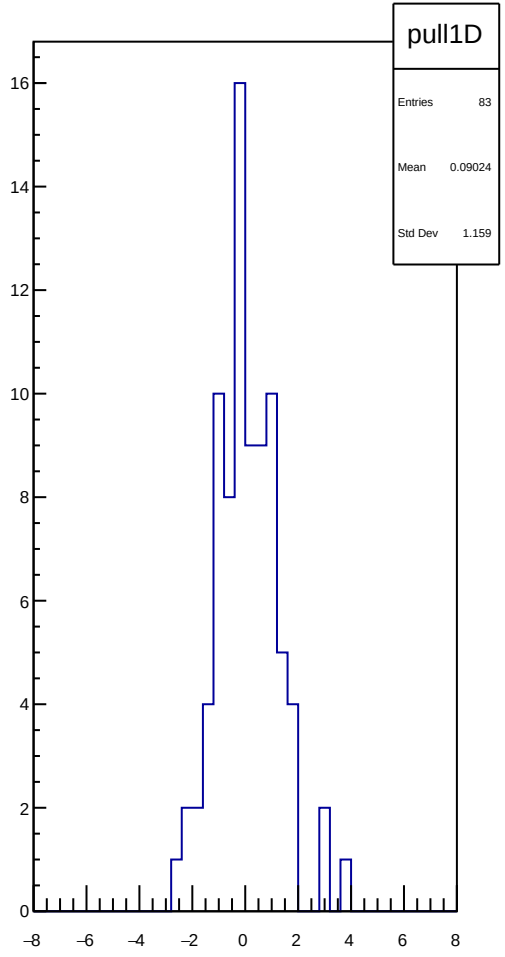


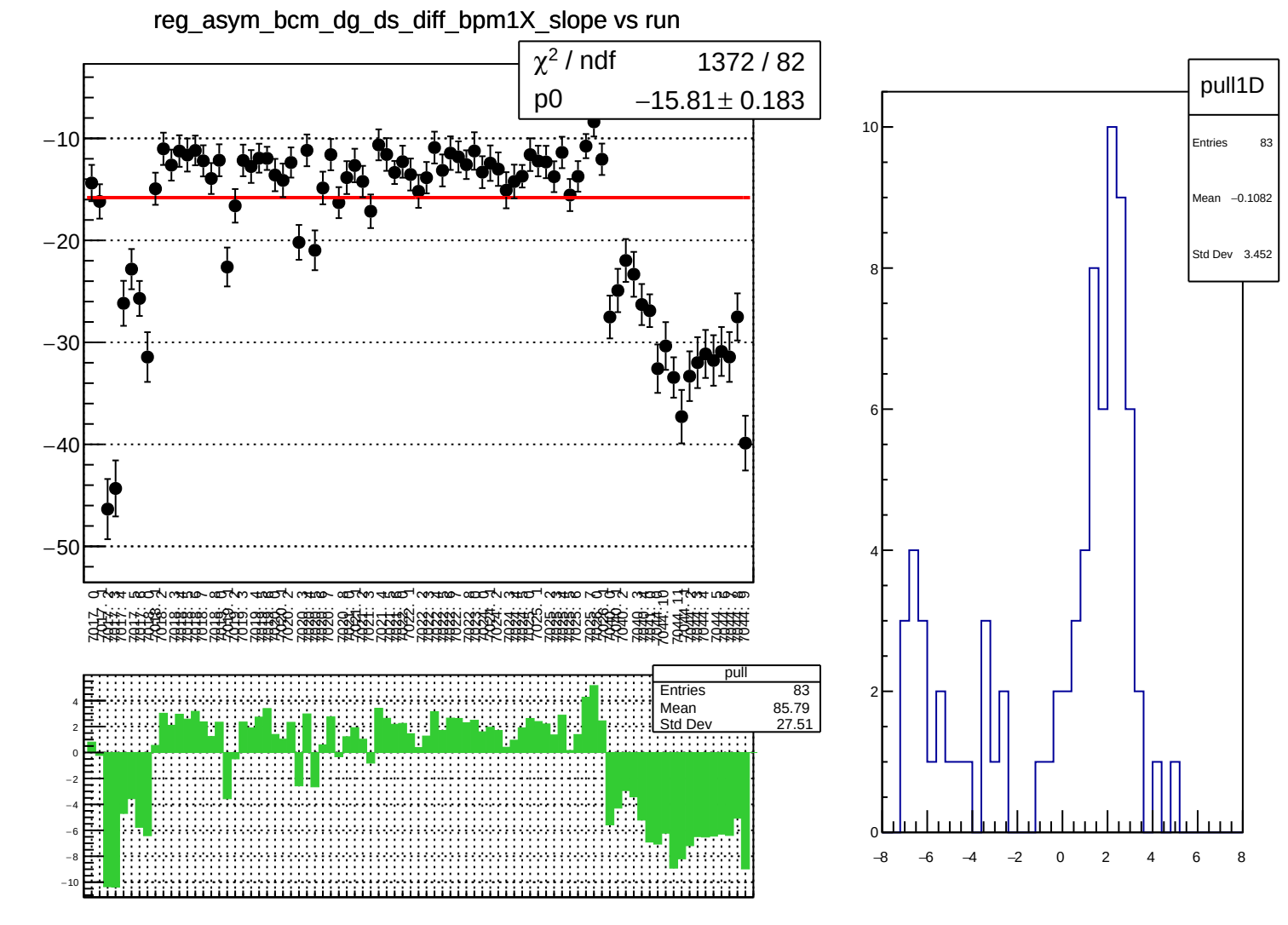

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1324 / 82
p0 13.77 ± 0.1648
pull
Entries 83
Mean 85.28
Std Dev 27.39
pull1D
Entries 83
Mean 0.1132
Std Dev 3.36

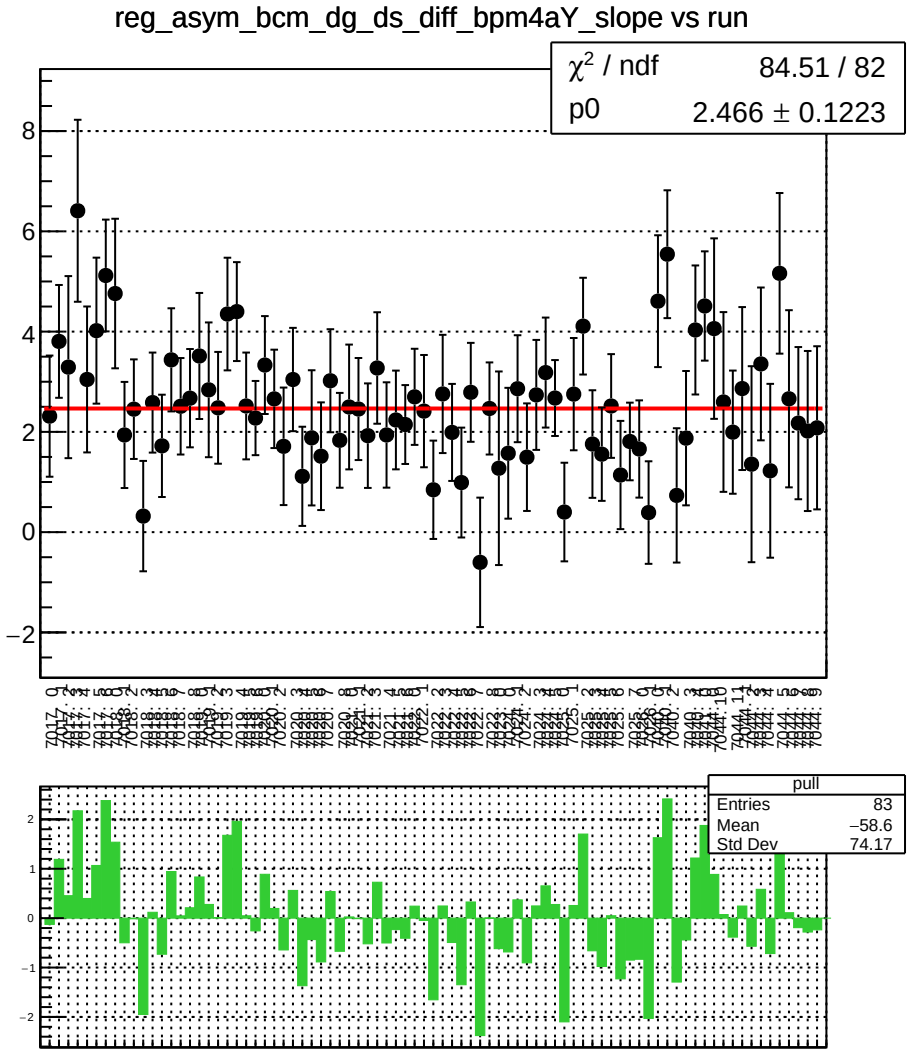

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 110.1 / 82
p0 −3.449 ± 0.1286
pull
Entries 83
Mean −30.42
Std Dev 41.74

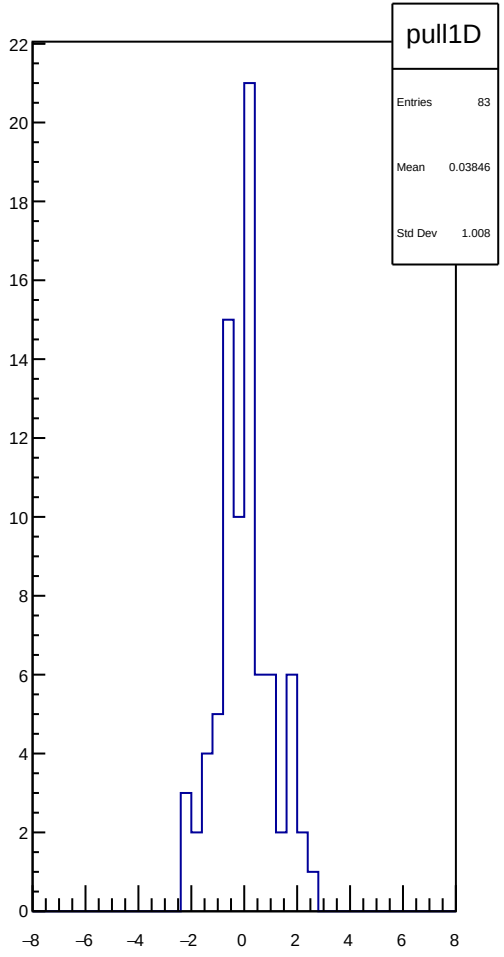

pull1D
Entries 83
Mean −0.06202
Std Dev 1.15

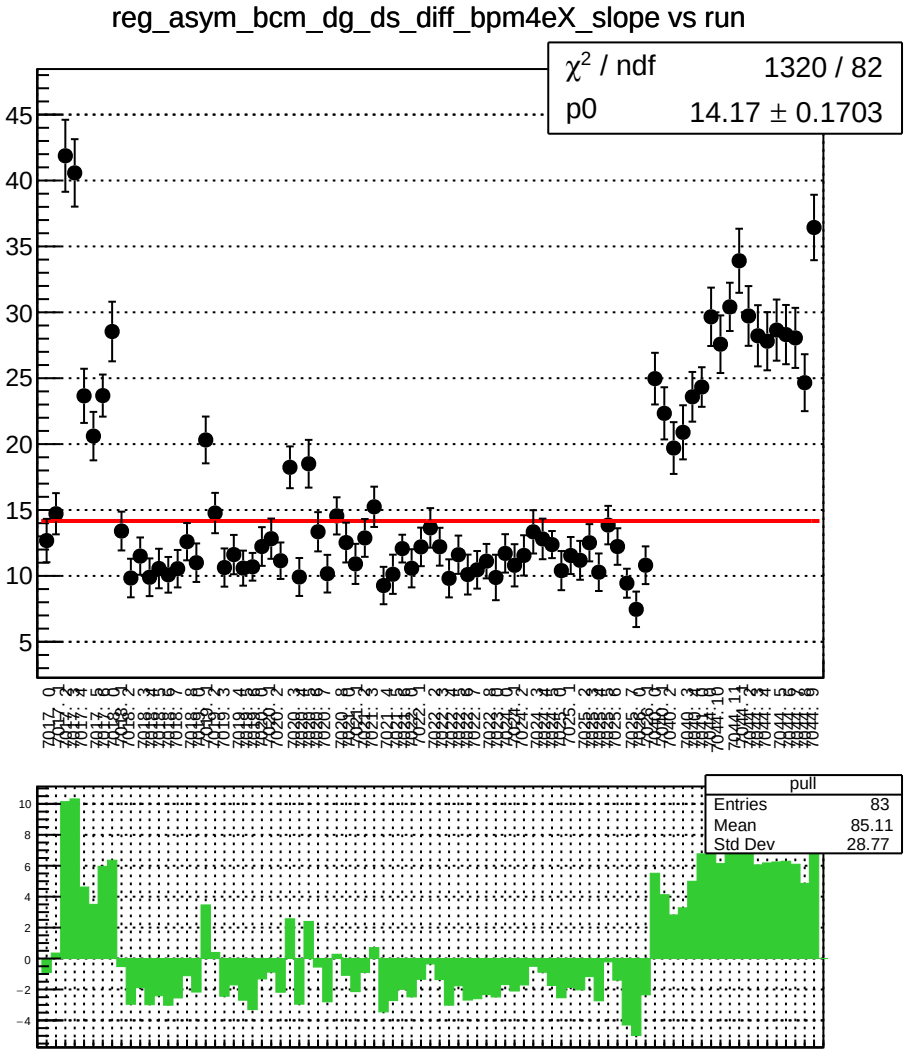

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 112.2 / 82
p0 −0.006393 ± 0.006007
pull
Entries 83
Mean 68.85
Std Dev 53.04

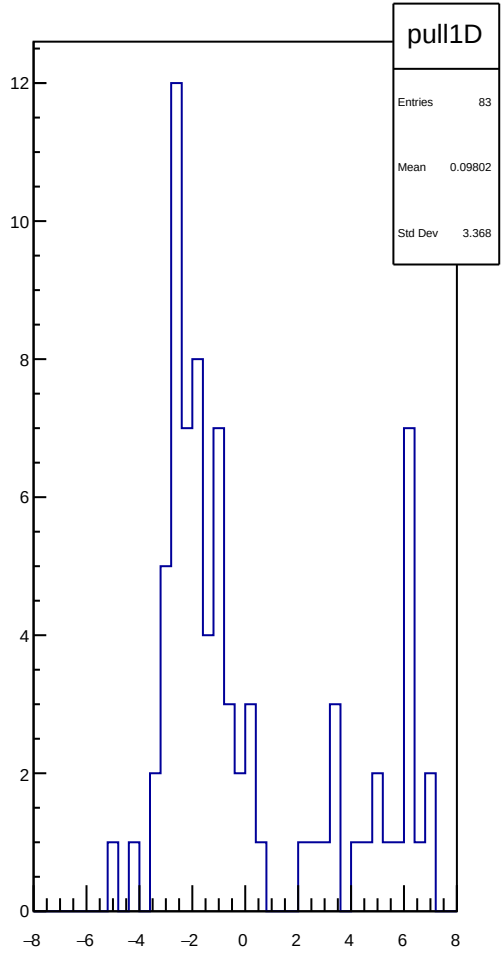

pull1D
Entries 83
Mean 0.09024
Std Dev 1.159

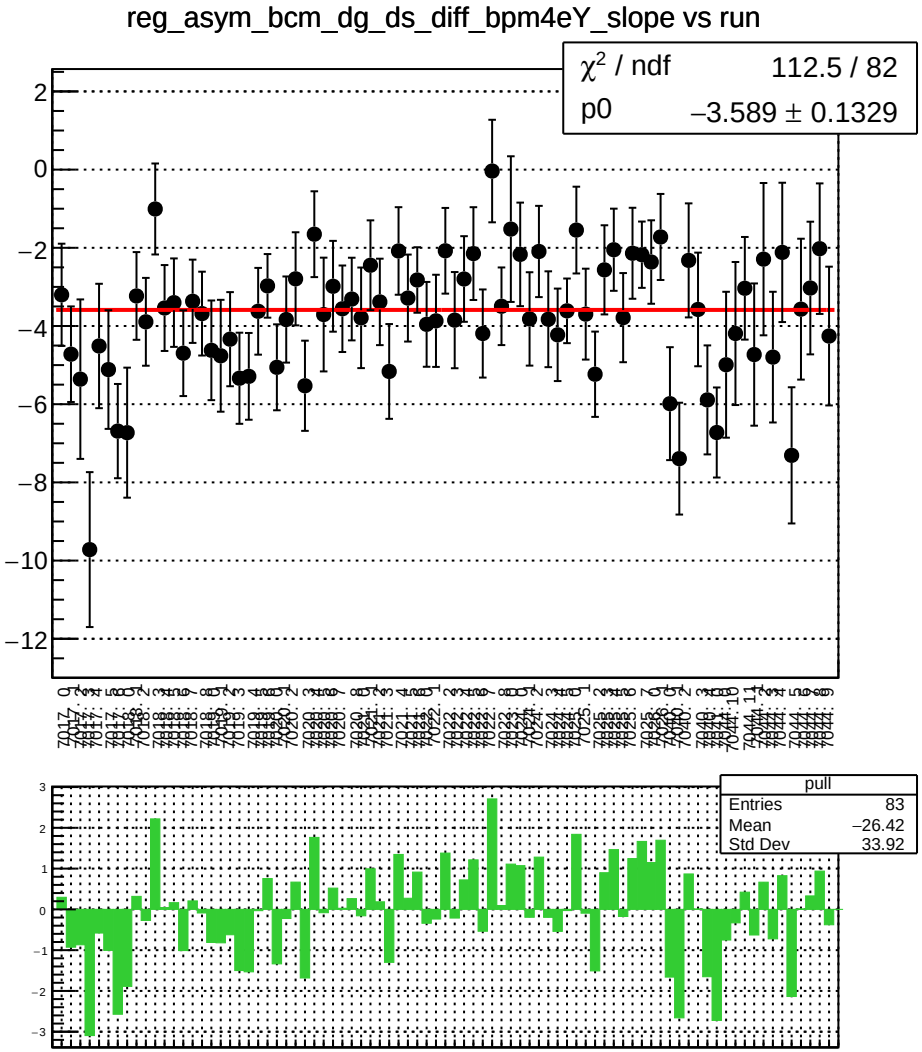

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1372 / 82
p0 −15.81 ± 0.183
pull
Entries 83
Mean 85.79
Std Dev 27.51
pull1D
Entries 83
Mean −0.1082
Std Dev 3.452

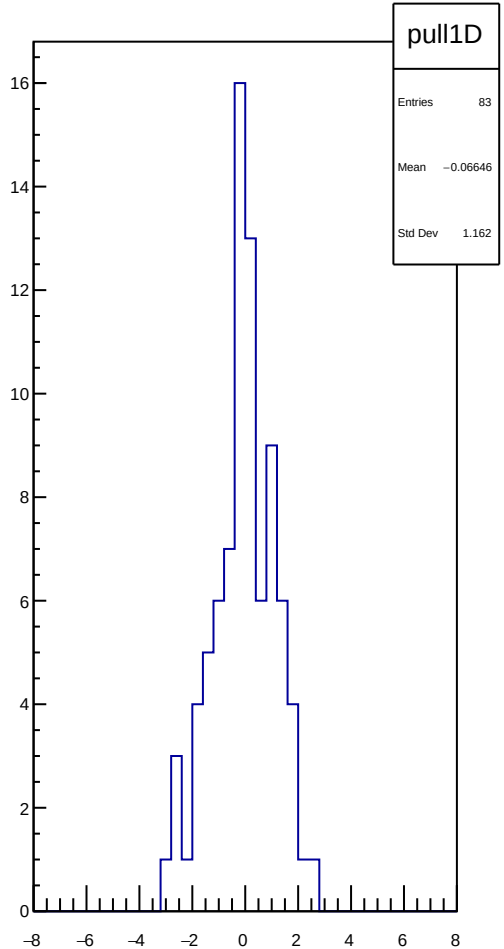

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 84.51 / 82
p0 2.466 ± 0.1223
pull
Entries 83
Mean −58.6
Std Dev 74.17

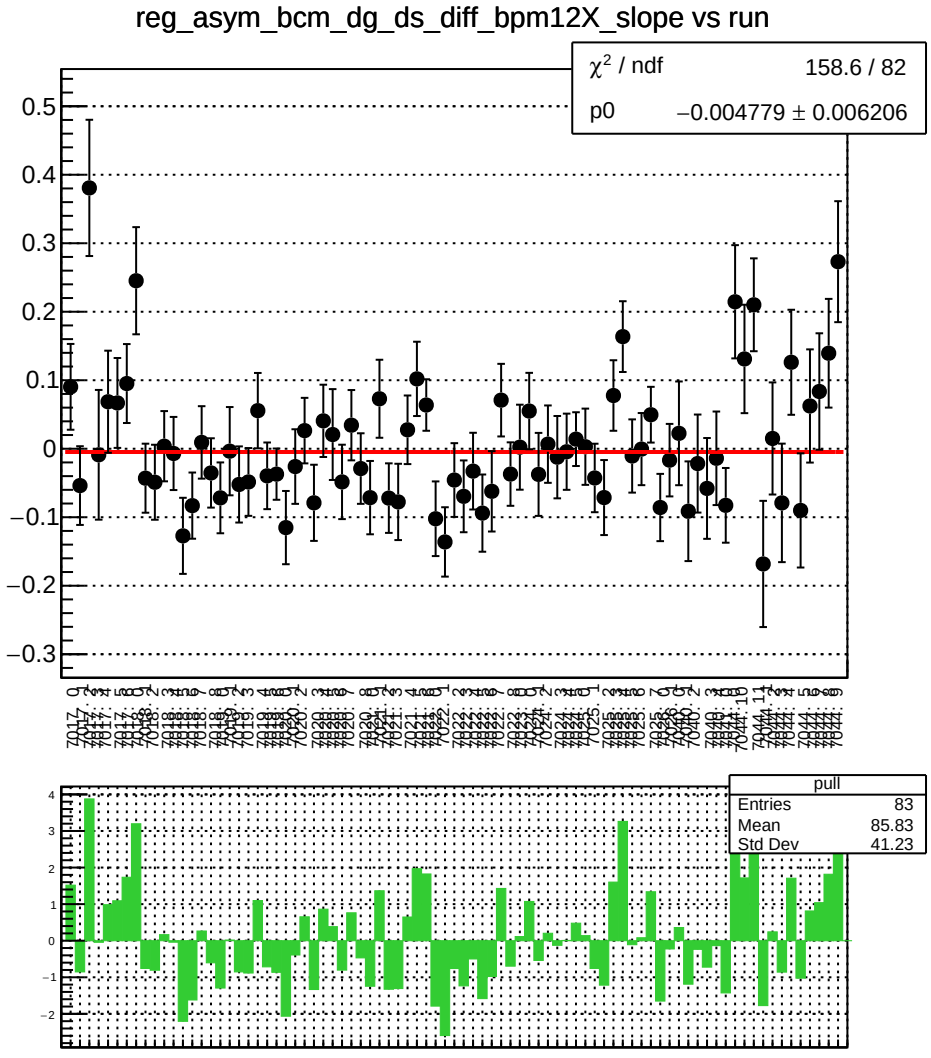

pull1D
Entries 83
Mean 0.03846
Std Dev 1.008

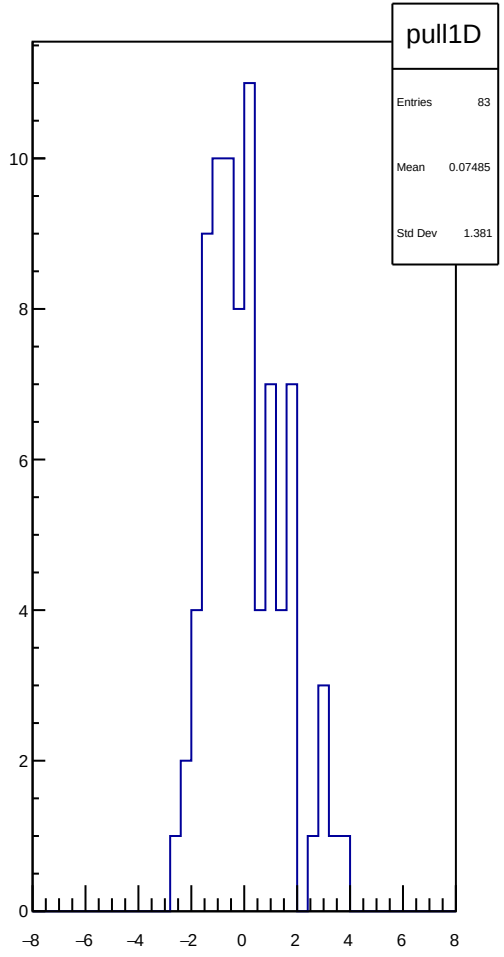

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1320 / 82
p0 14.17 ± 0.1703
pull
Entries 83
Mean 85.11
Std Dev 28.77

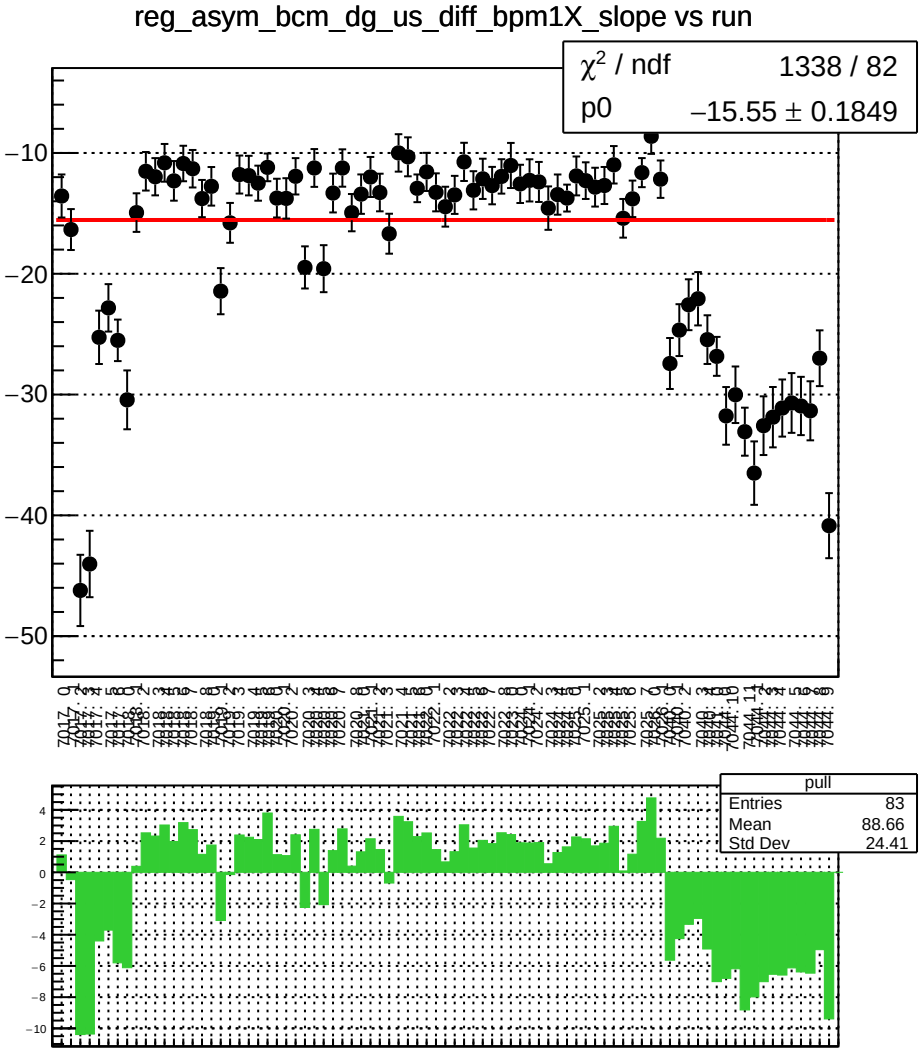

pull1D
Entries 83
Mean 0.09802
Std Dev 3.368

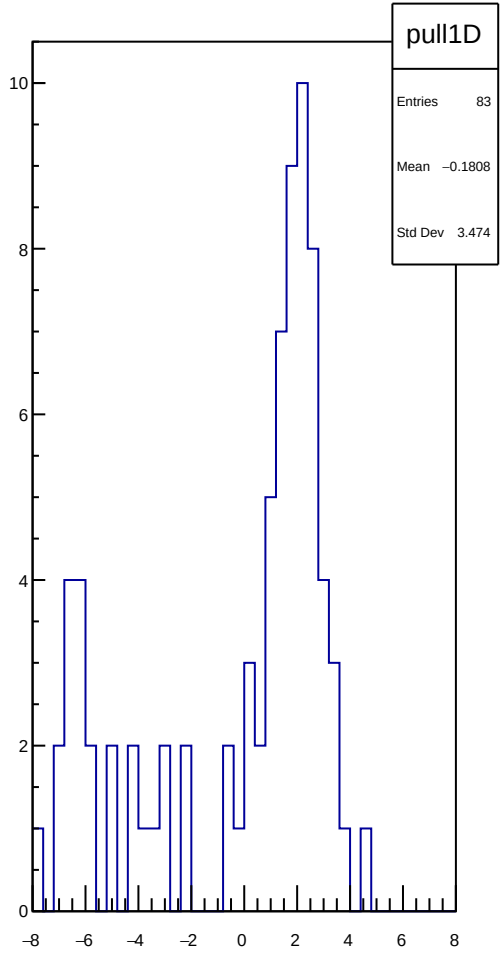

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 112.5 / 82
p0 −3.589 ± 0.1329
pull
Entries 83
Mean −26.42
Std Dev 33.92


pull1D
Entries 83
Mean −0.06646
Std Dev 1.162

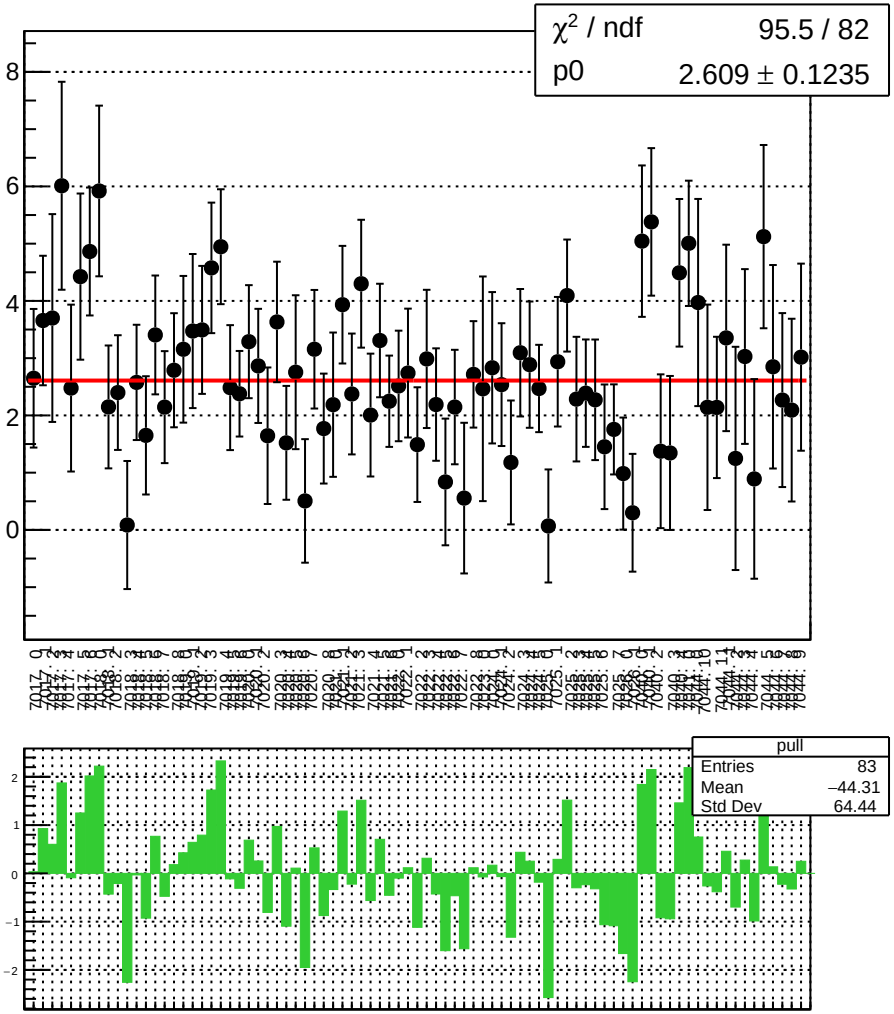

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 158.6 / 82
p0 −0.004779 ± 0.006206
pull
Entries 83
Mean 85.83
Std Dev 41.23

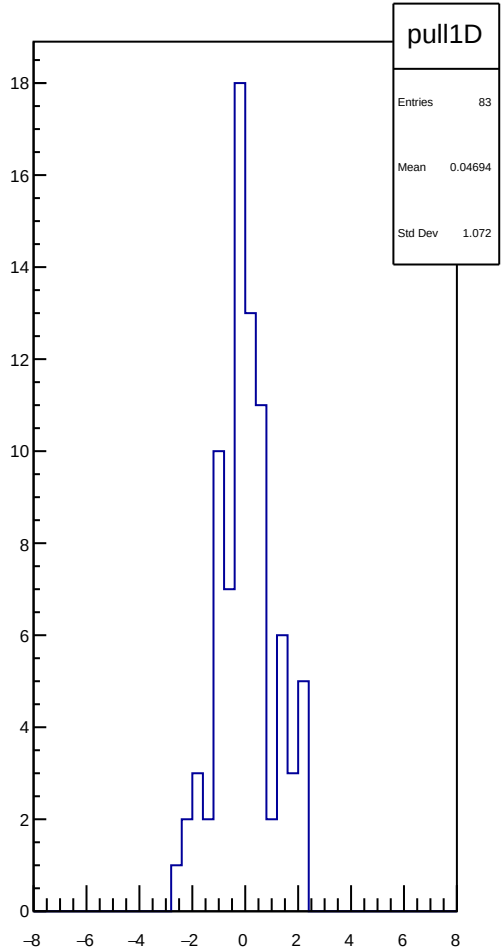

pull1D
Entries 83
Mean 0.07485
Std Dev 1.381

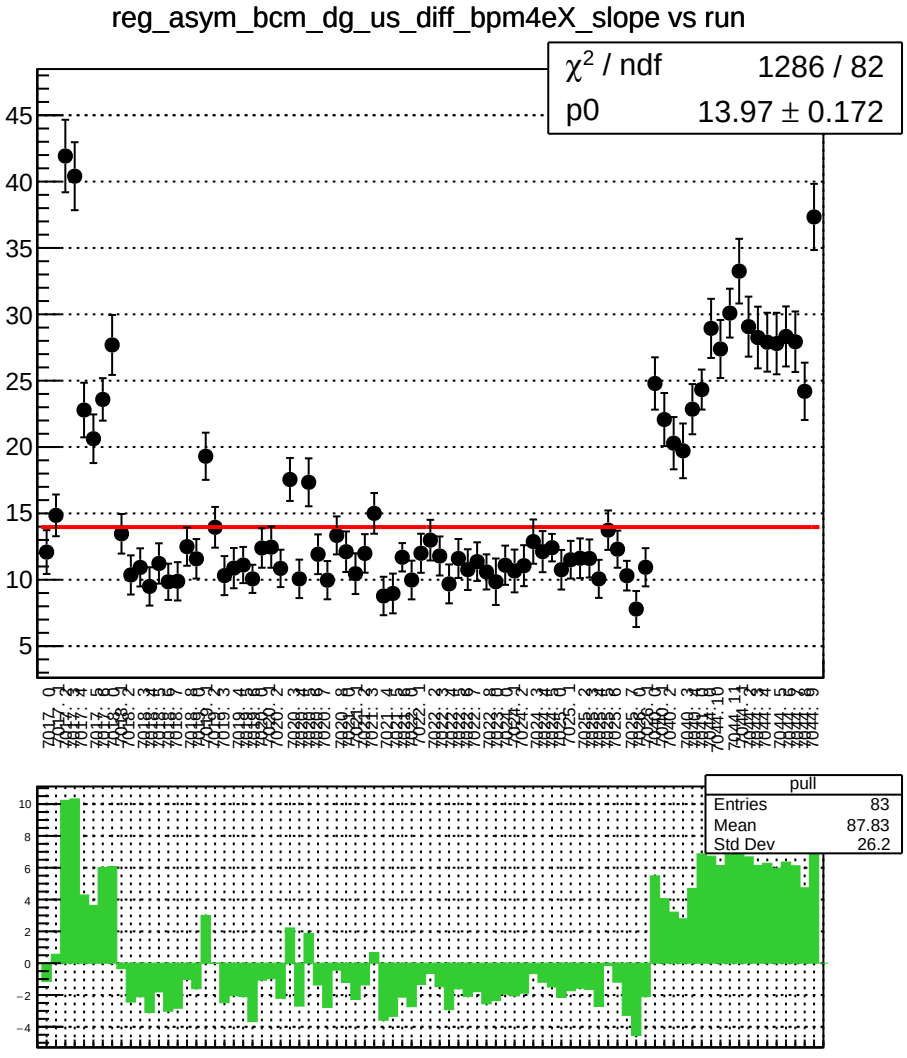

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 1338 / 82
p0 −15.55 ± 0.1849
pull
Entries 83
Mean 88.66
Std Dev 24.41

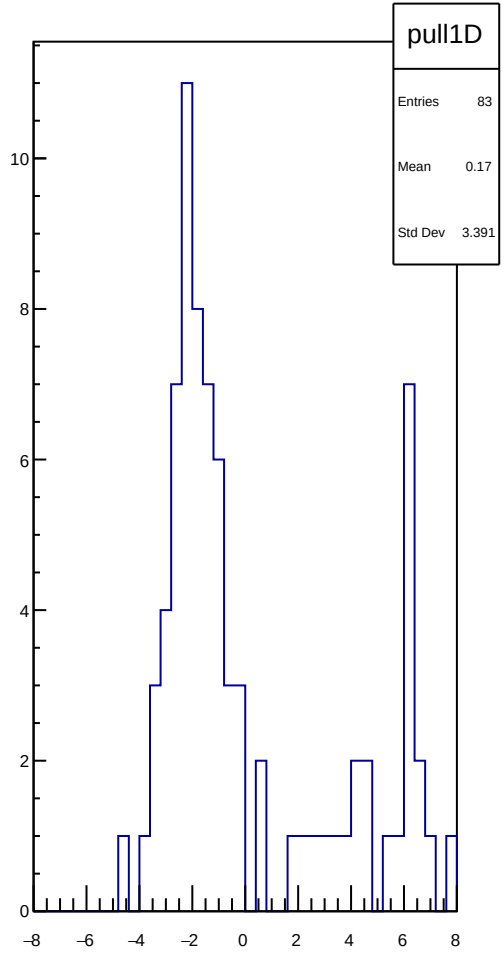

pull1D
Entries 83
Mean −0.1808
Std Dev 3.474

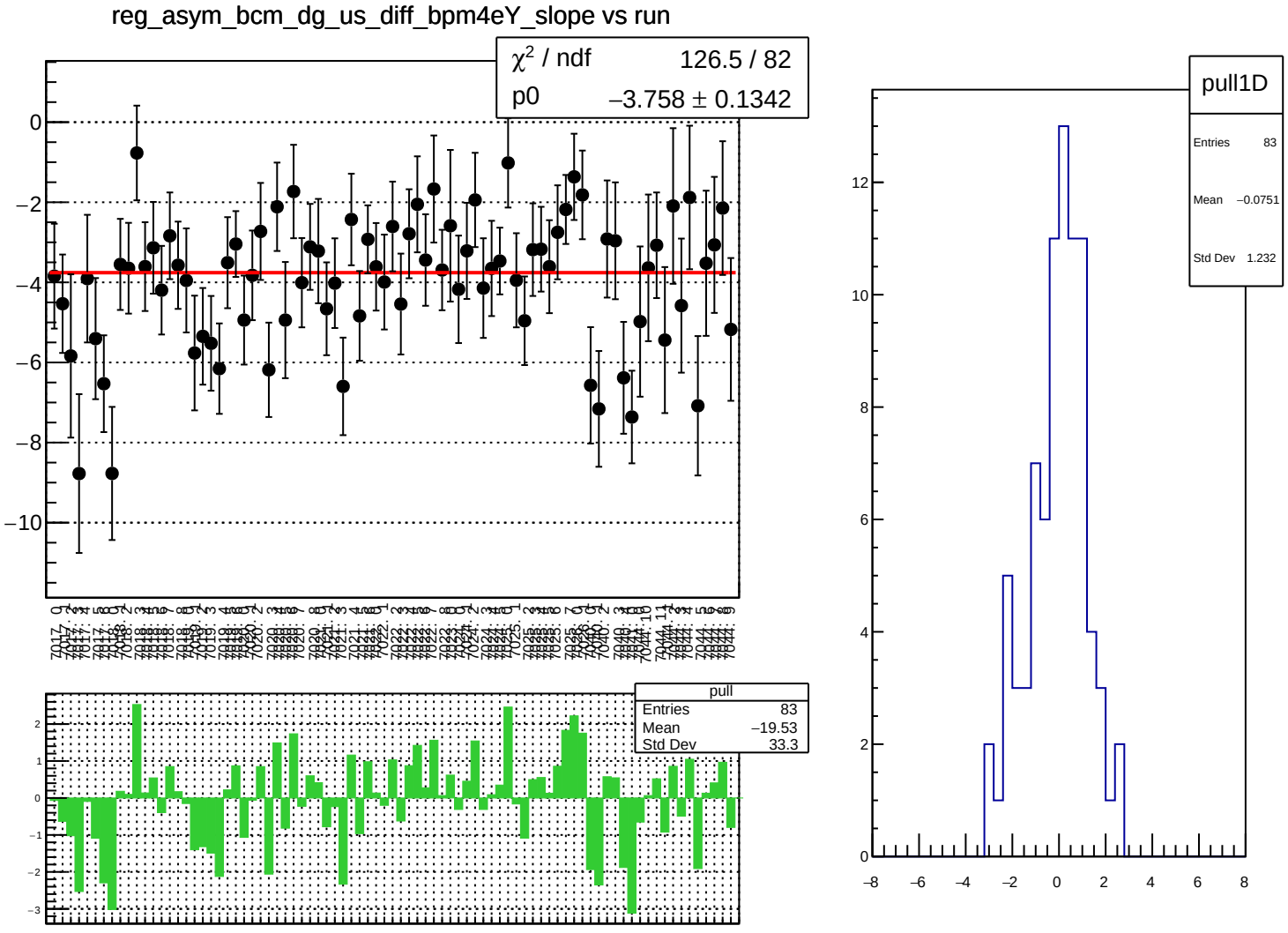
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run

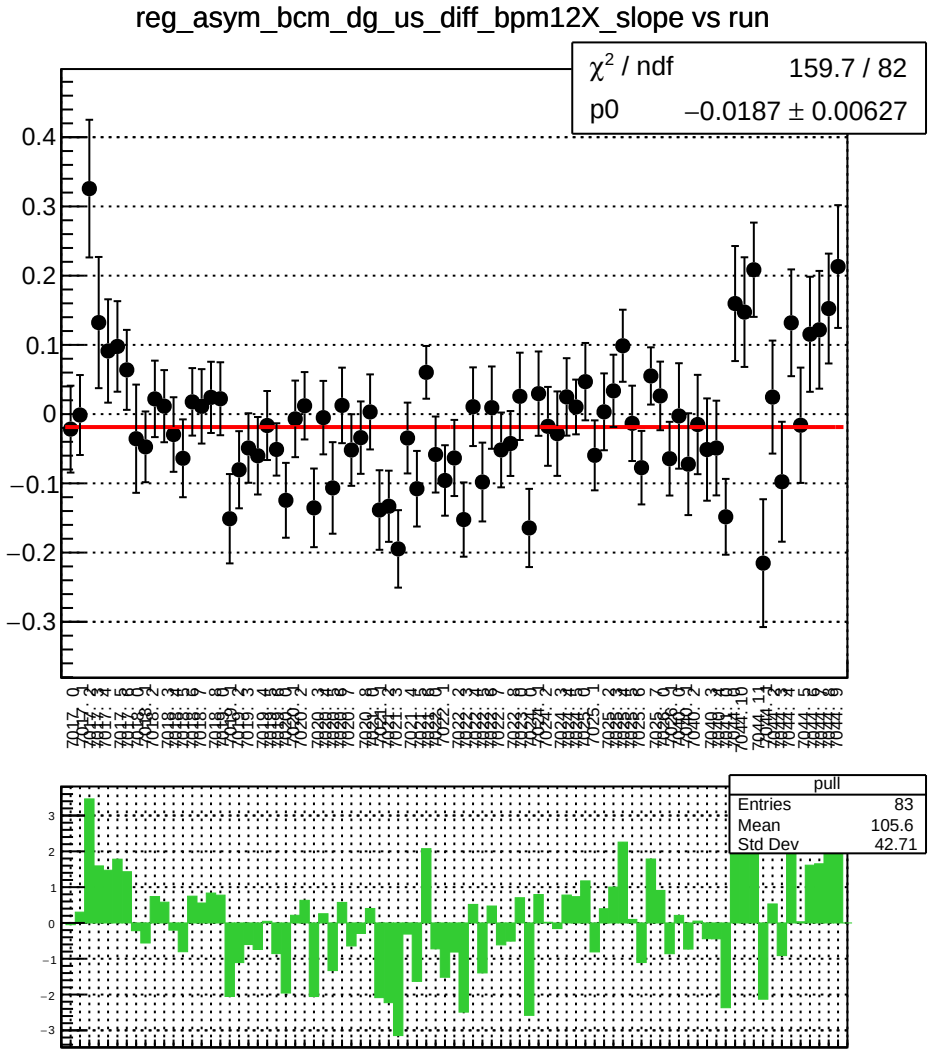


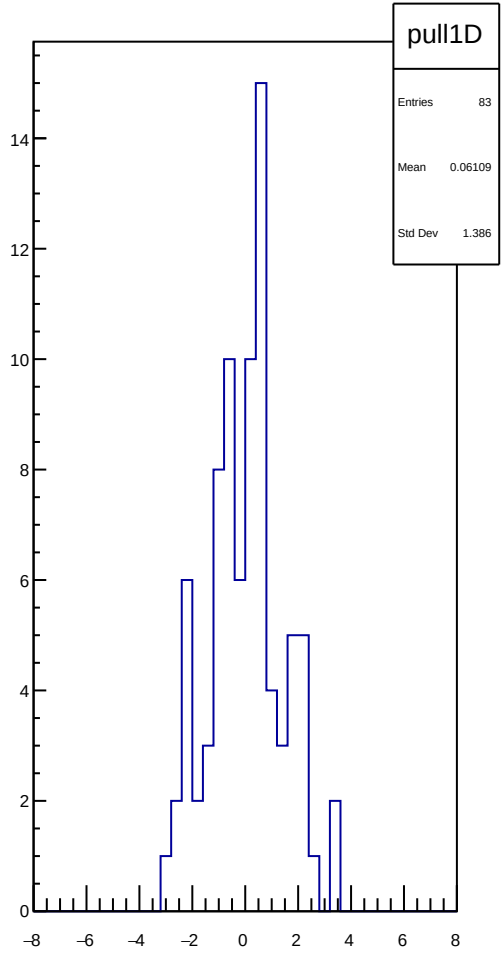



reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ2 / ndf 1286 / 82
p0 13.97 ± 0.172
pull
Entries 83
Mean 87.83
Std Dev 26.2


pull1D
Entries 83
Mean 0.17
Std Dev 3.391


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 126.5 / 82
p0 −3.758 ± 0.1342
pull
Entries 83
Mean −19.53
Std Dev 33.3
pull1D
Entries 83
Mean −0.0751
Std Dev 1.232


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 159.7 / 82
p0 −0.0187 ± 0.00627
pull
Entries 83
Mean 105.6
Std Dev 42.71


pull1D
Entries 83
Mean 0.06109
Std Dev 1.386