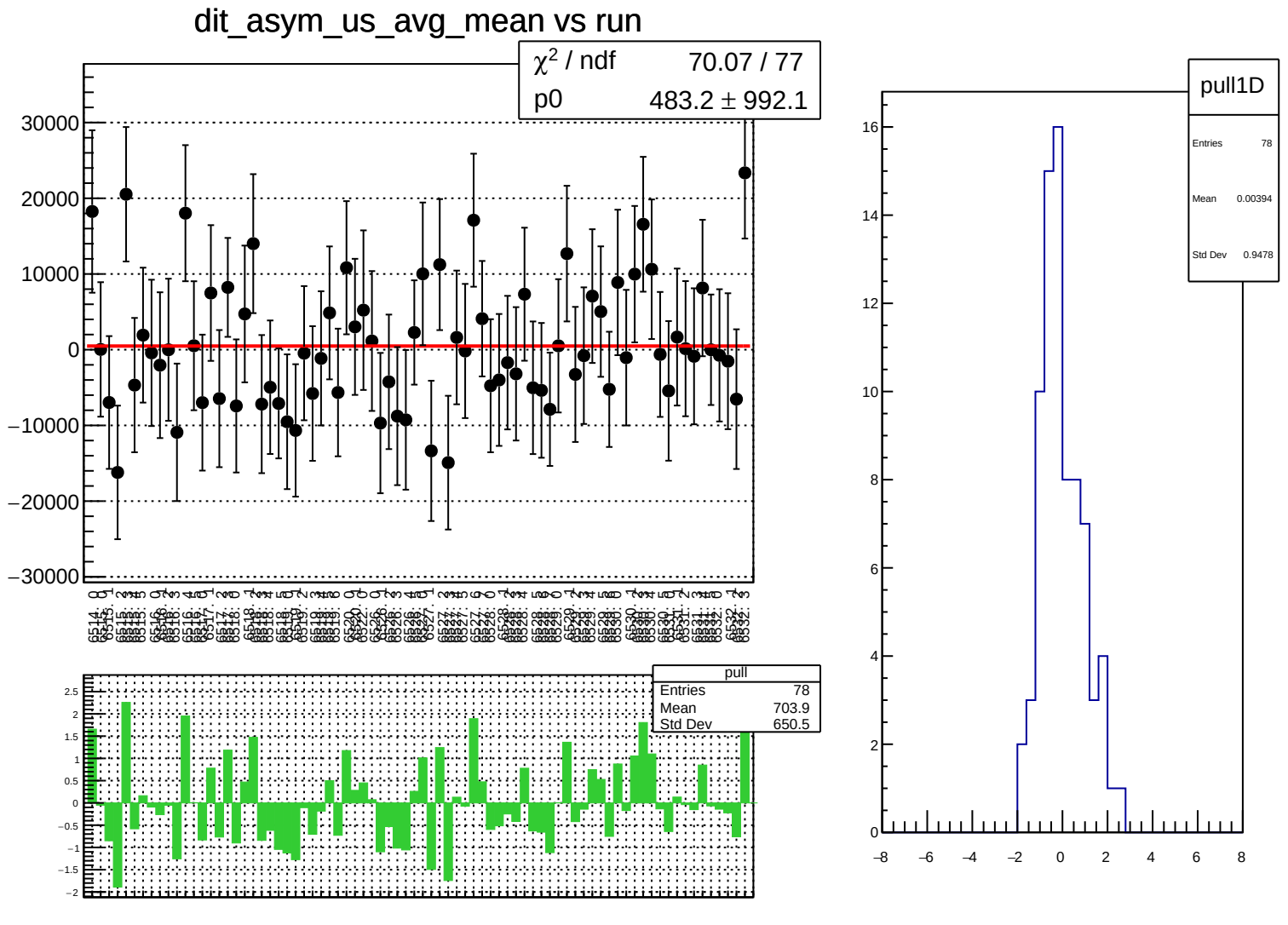
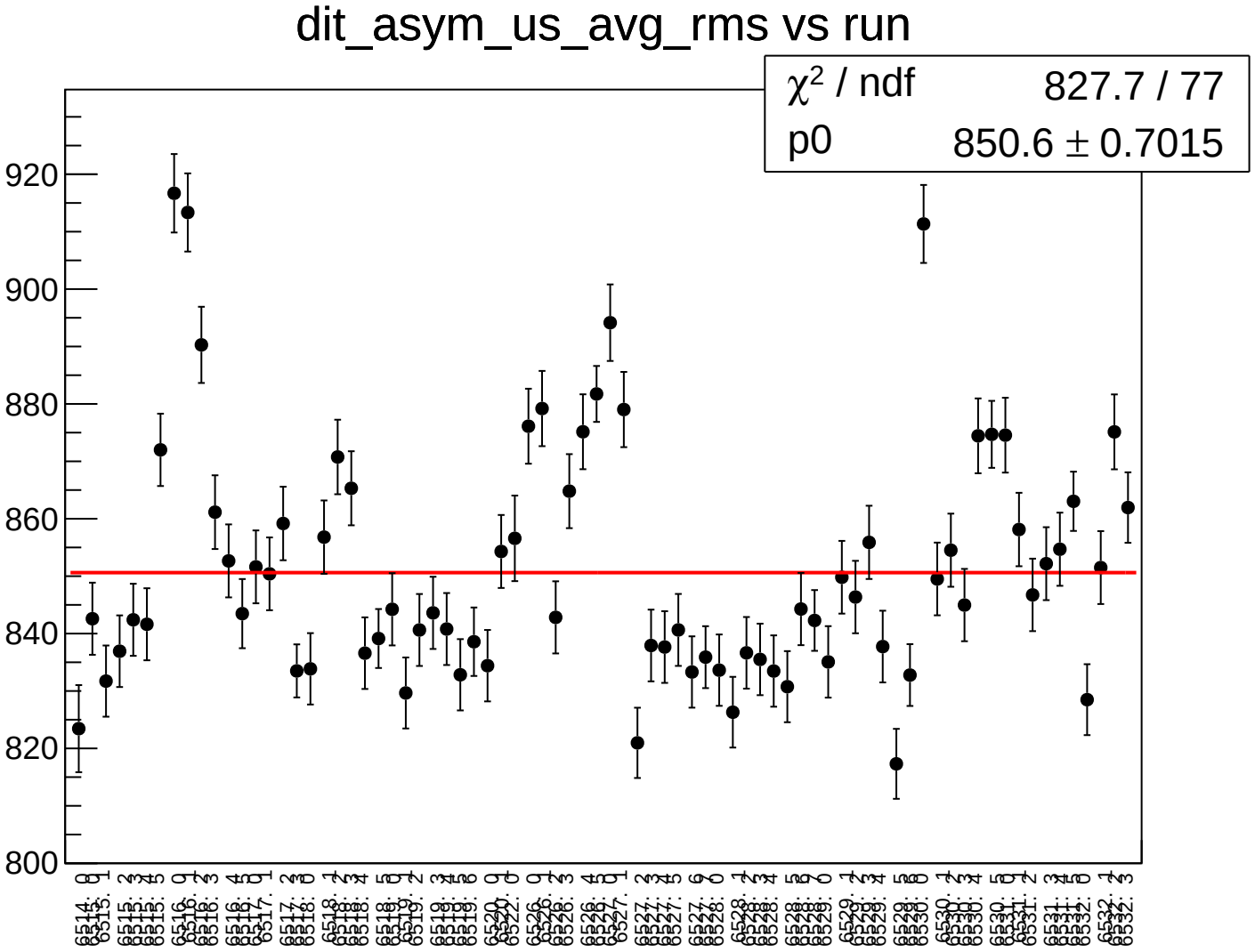
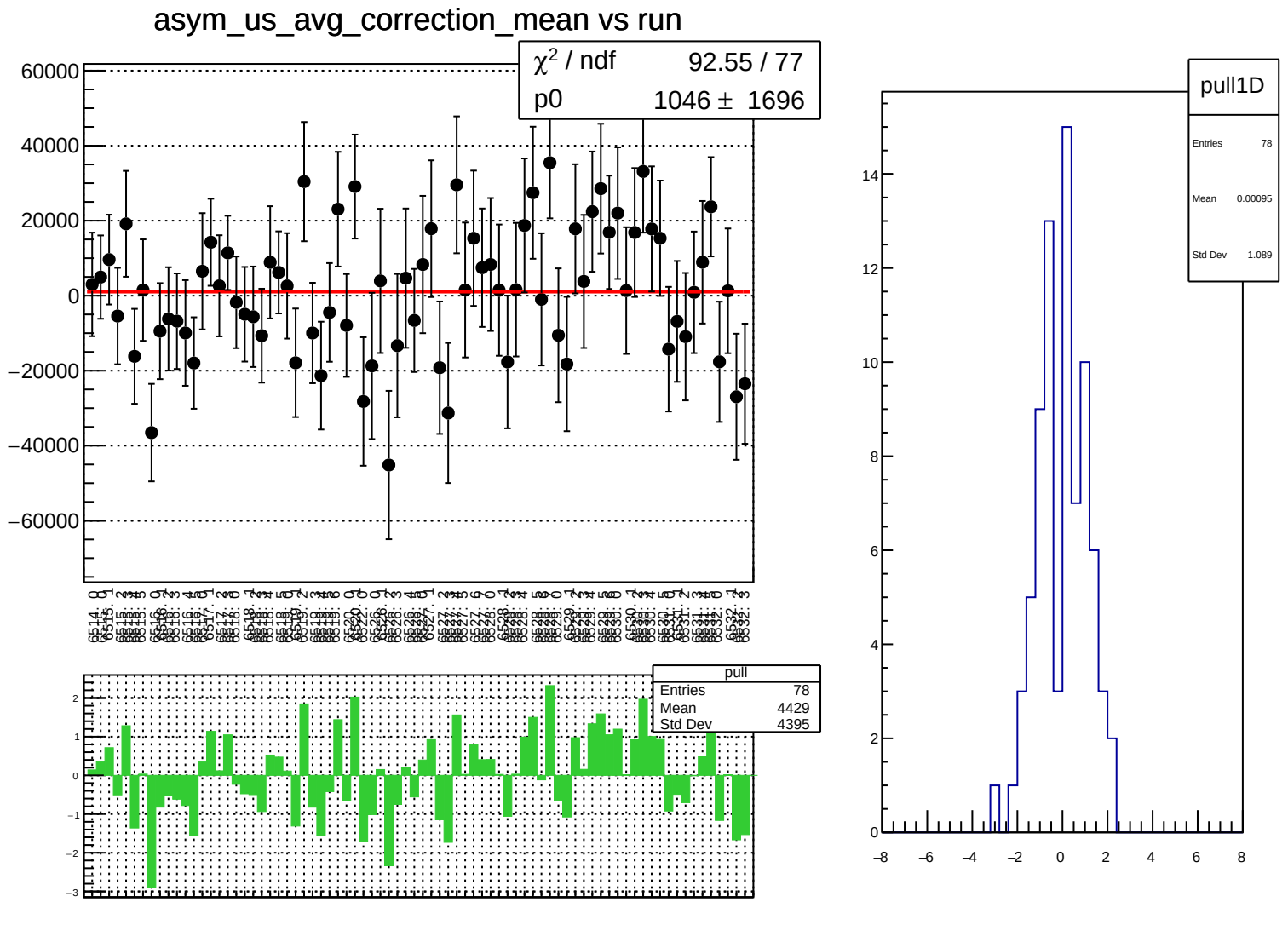
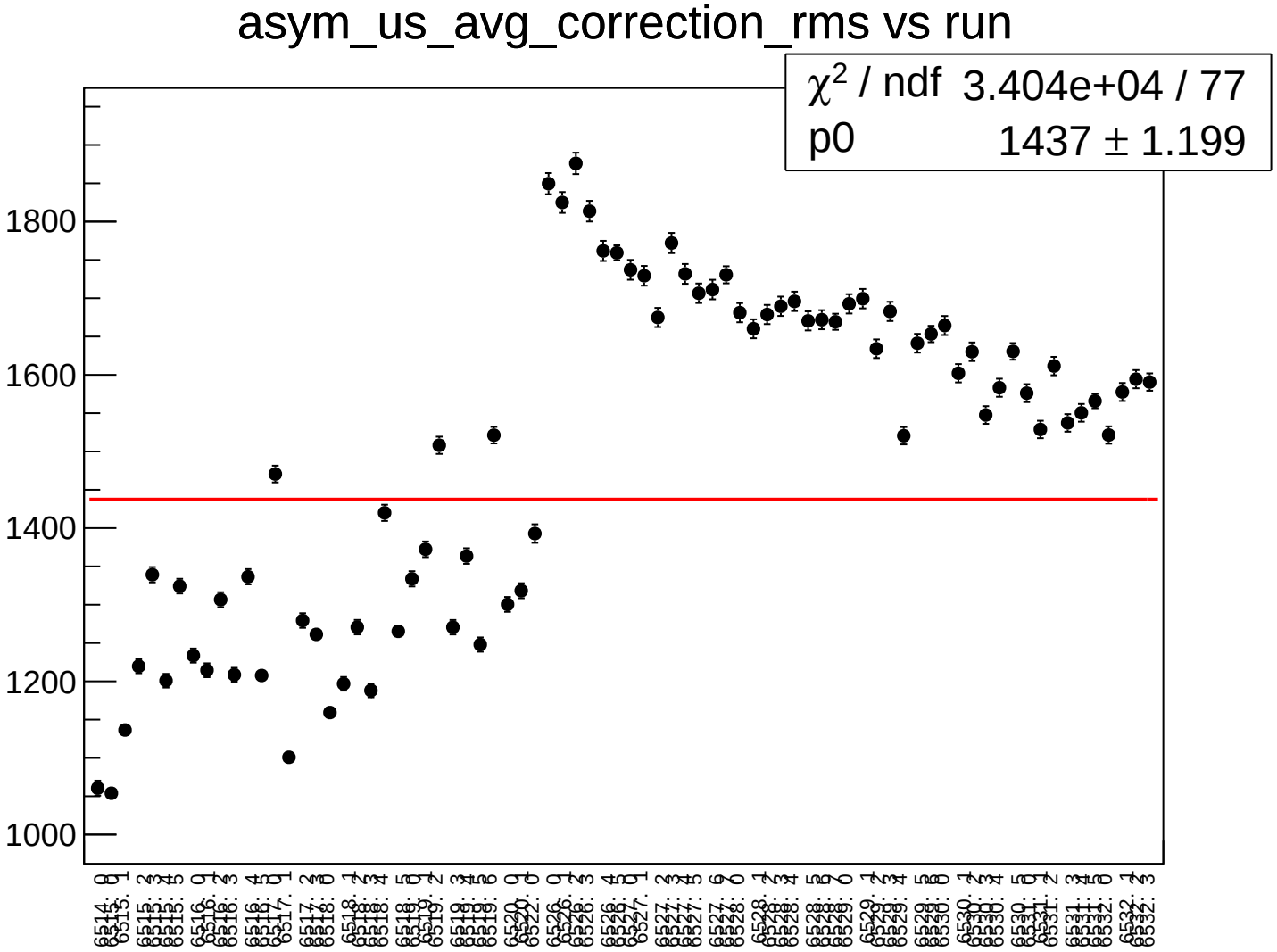
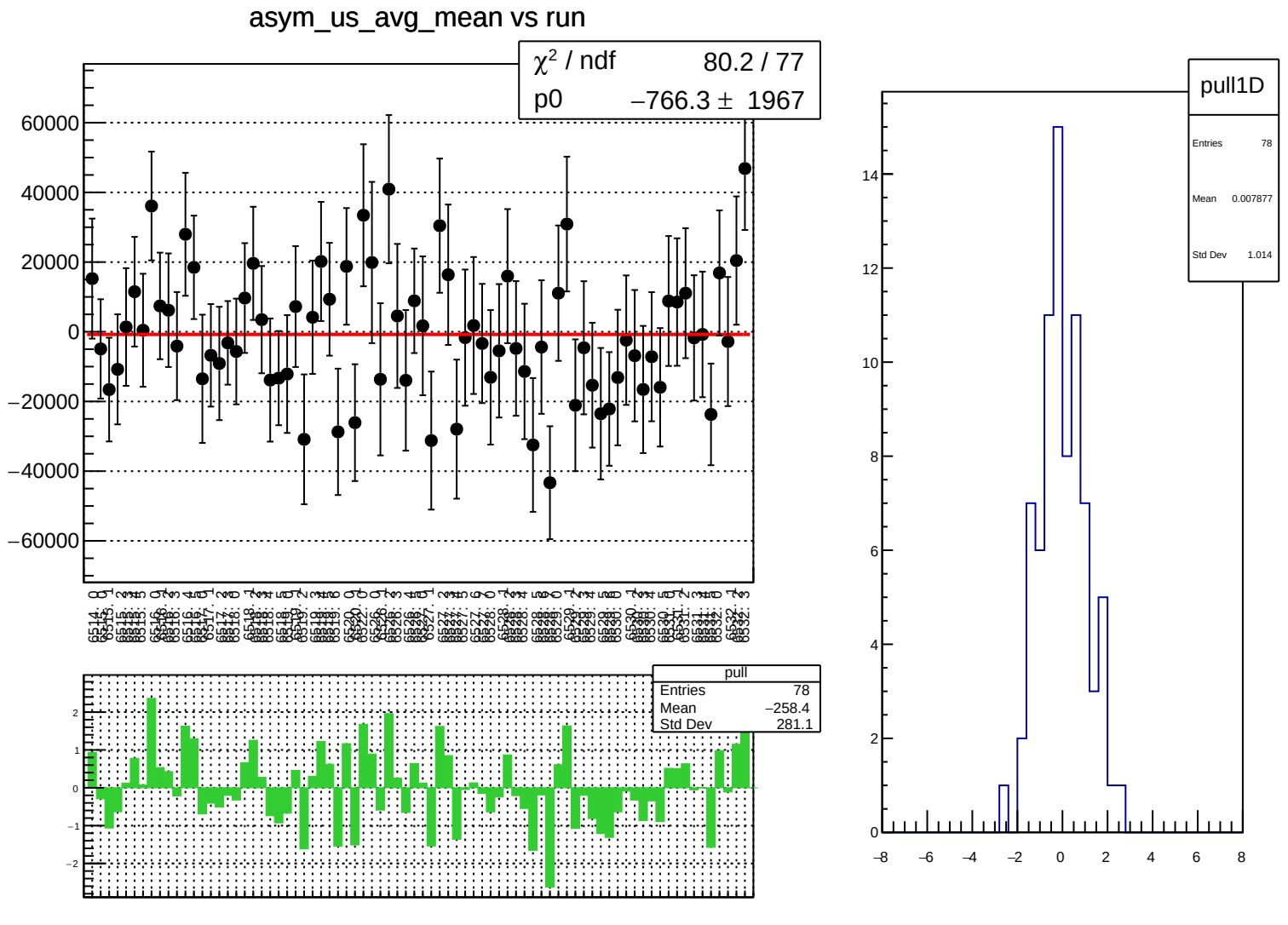
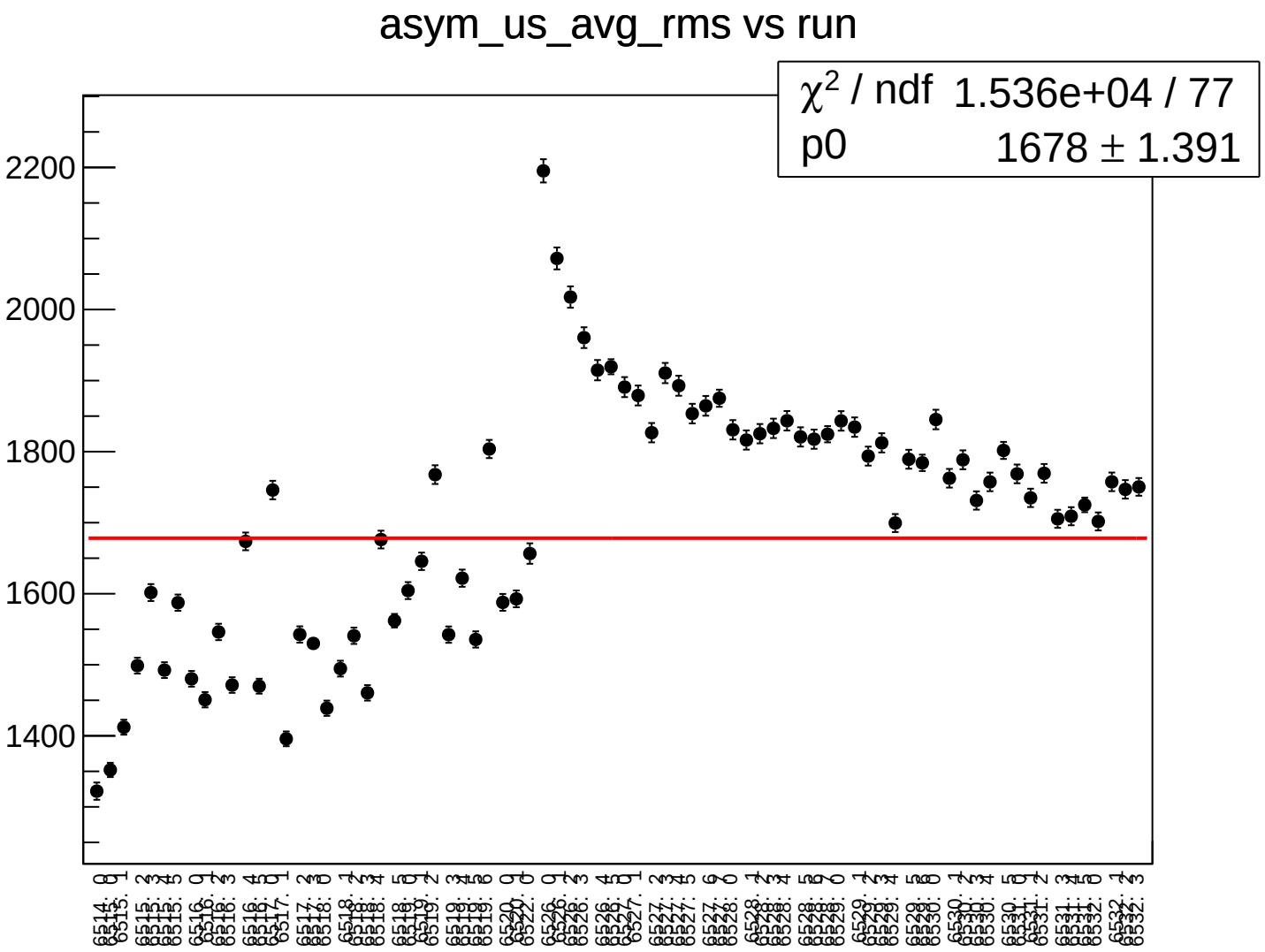

dit_asym_us_avg_mean vs run
χ² / ndf 70.07 / 77
p0 483.2 ± 992.1
pull
Entries 78
Mean 703.9
Std Dev 650.5
pull1D
Entries 78
Mean 0.00394
Std Dev 0.9478

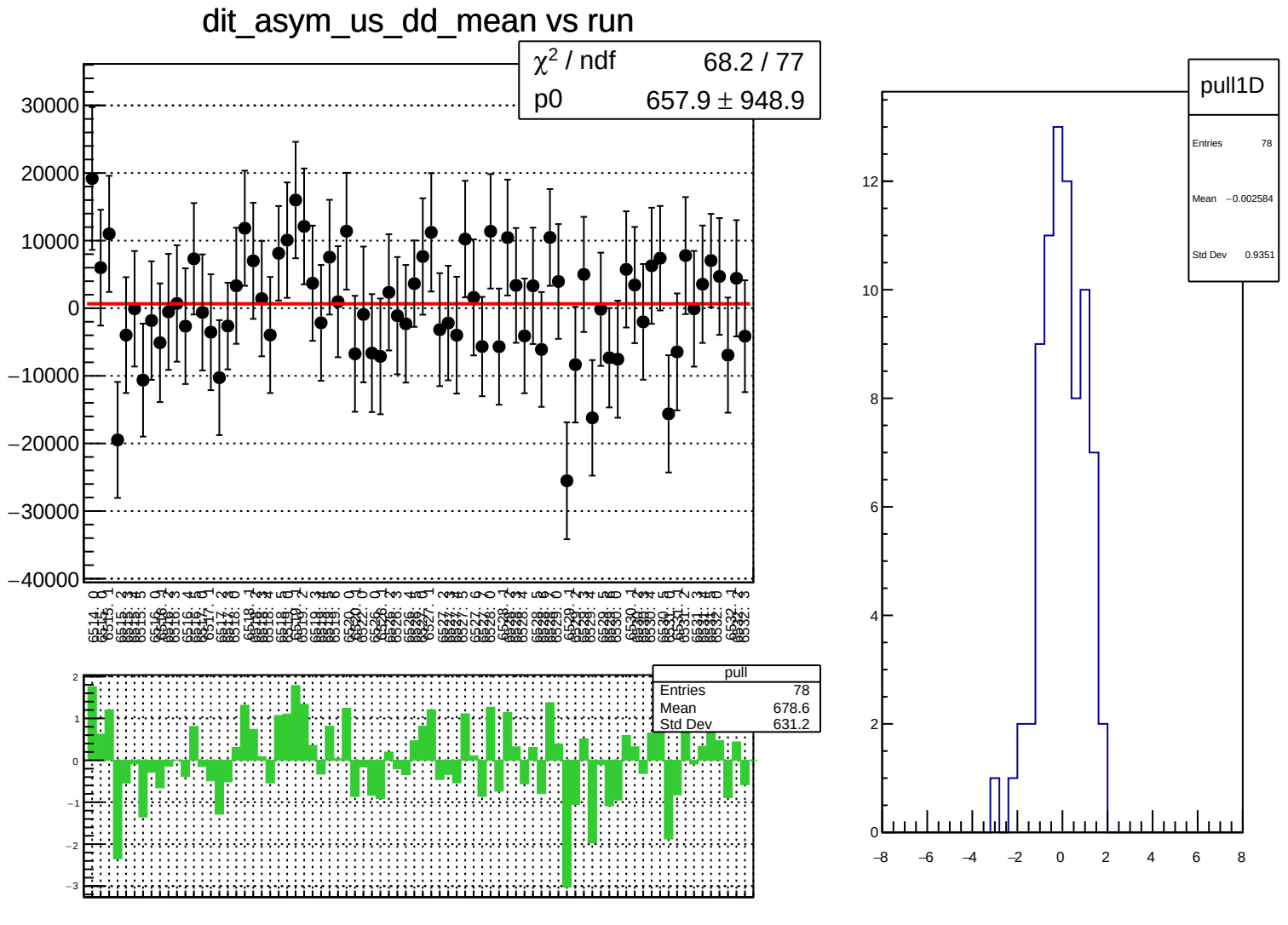

dit_asym_us_avg_rms vs run
χ^2 / ndf 827.7 / 77
p0 850.6 ± 0.7015
920
900
880
860
840
820
800

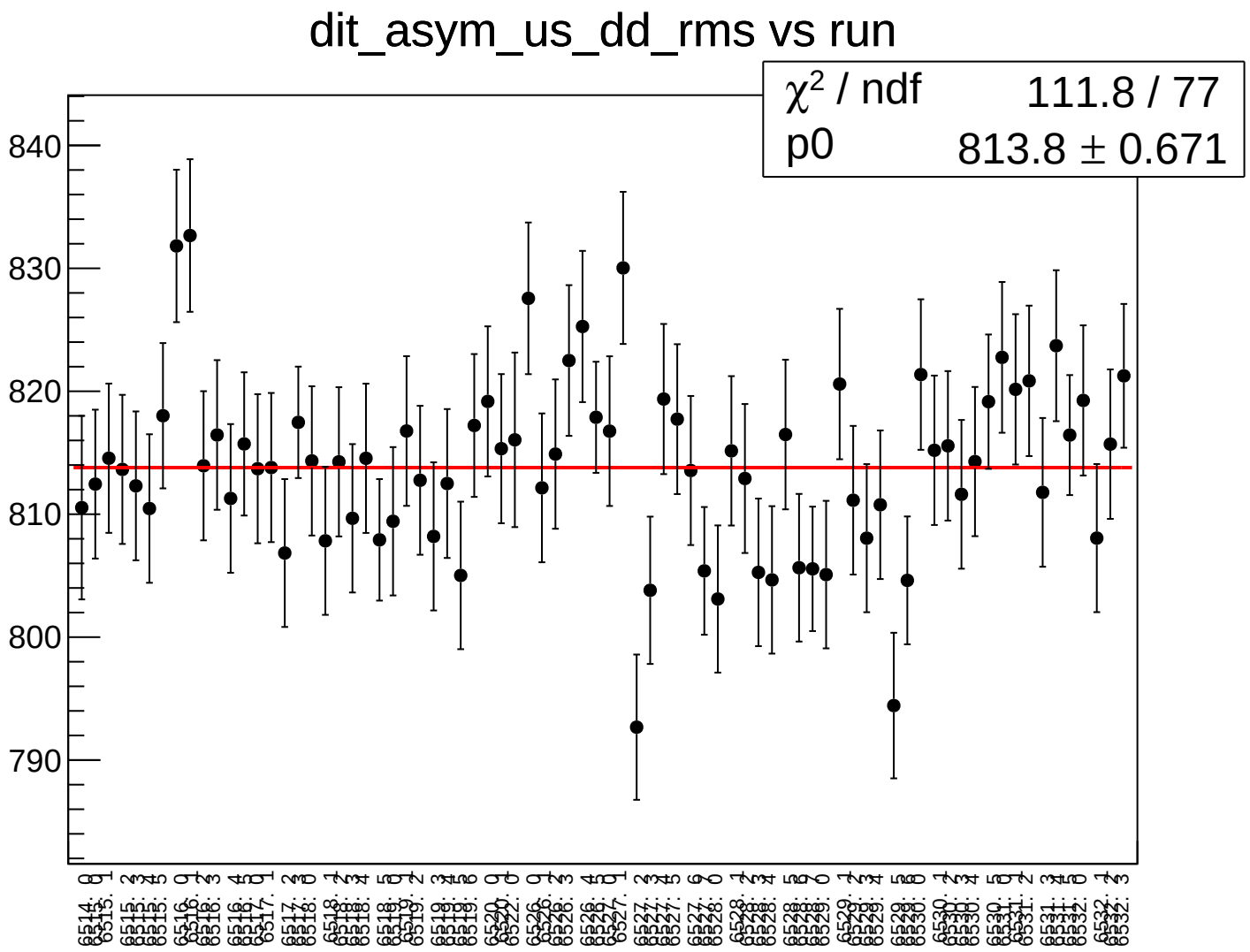

asym_us_avg_correction_mean vs run
χ^2 / ndf 92.55 / 77
p0 1046 ± 1696
pull
Entries 78
Mean 4429
Std Dev 4395
pull1D
Entries 78
Mean 0.00095
Std Dev 1.089

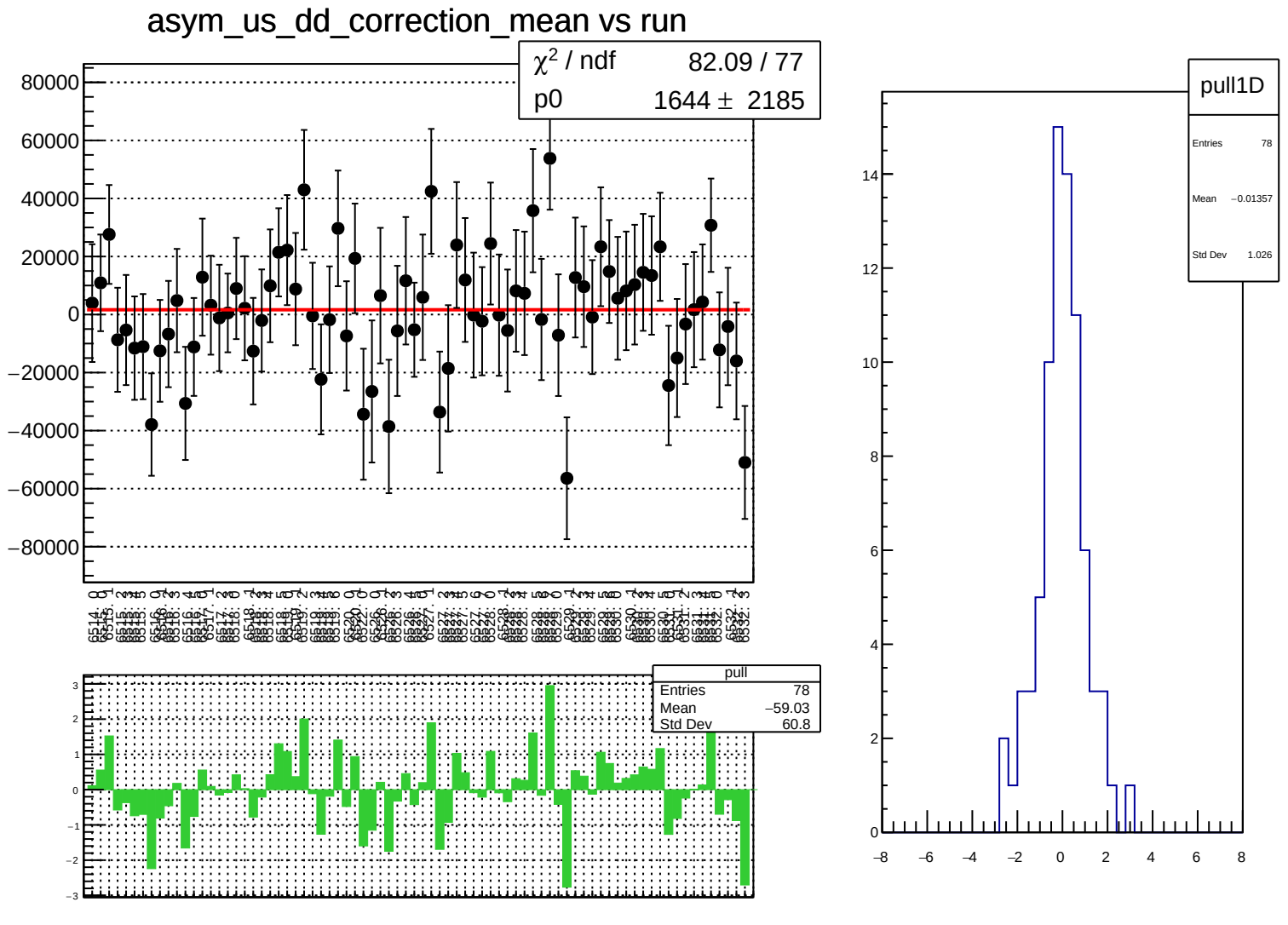

asym_us_avg_correction_rms vs run
χ^2 / ndf 3.404e+04 / 77
p0 1437 ± 1.199
1800
1600
1400
1200
1000


asym_us_avg_mean vs run
χ² / ndf 80.2 / 77
p0 −766.3 ± 1967
pull
Entries 78
Mean −258.4
Std Dev 281.1
pull1D
Entries 78
Mean 0.007877
Std Dev 1.014

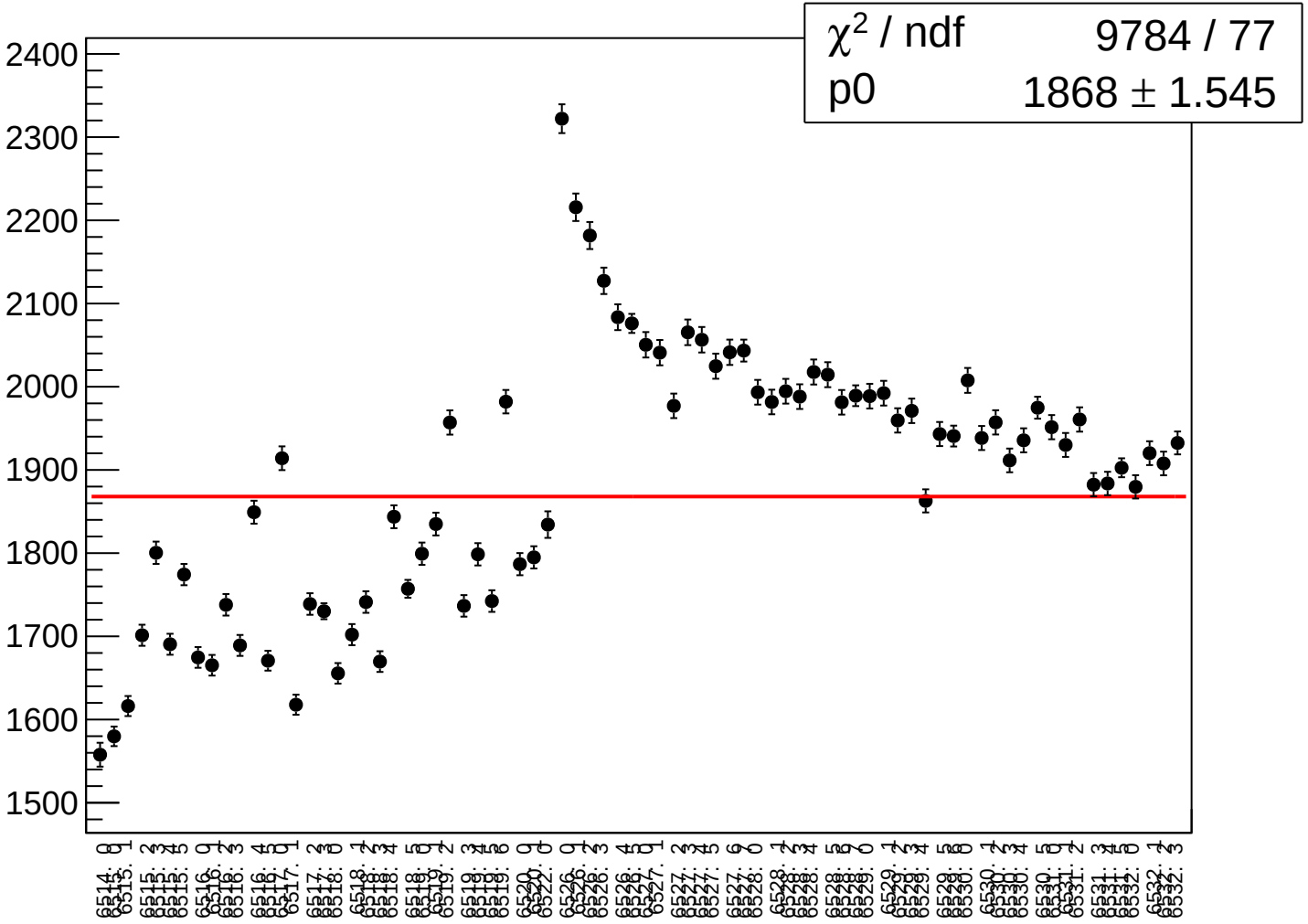

asym_us_avg_rms vs run
χ2 / ndf 1.536e+04 / 77
p0 1678 ± 1.391
2200
2000
1800
1600
1400

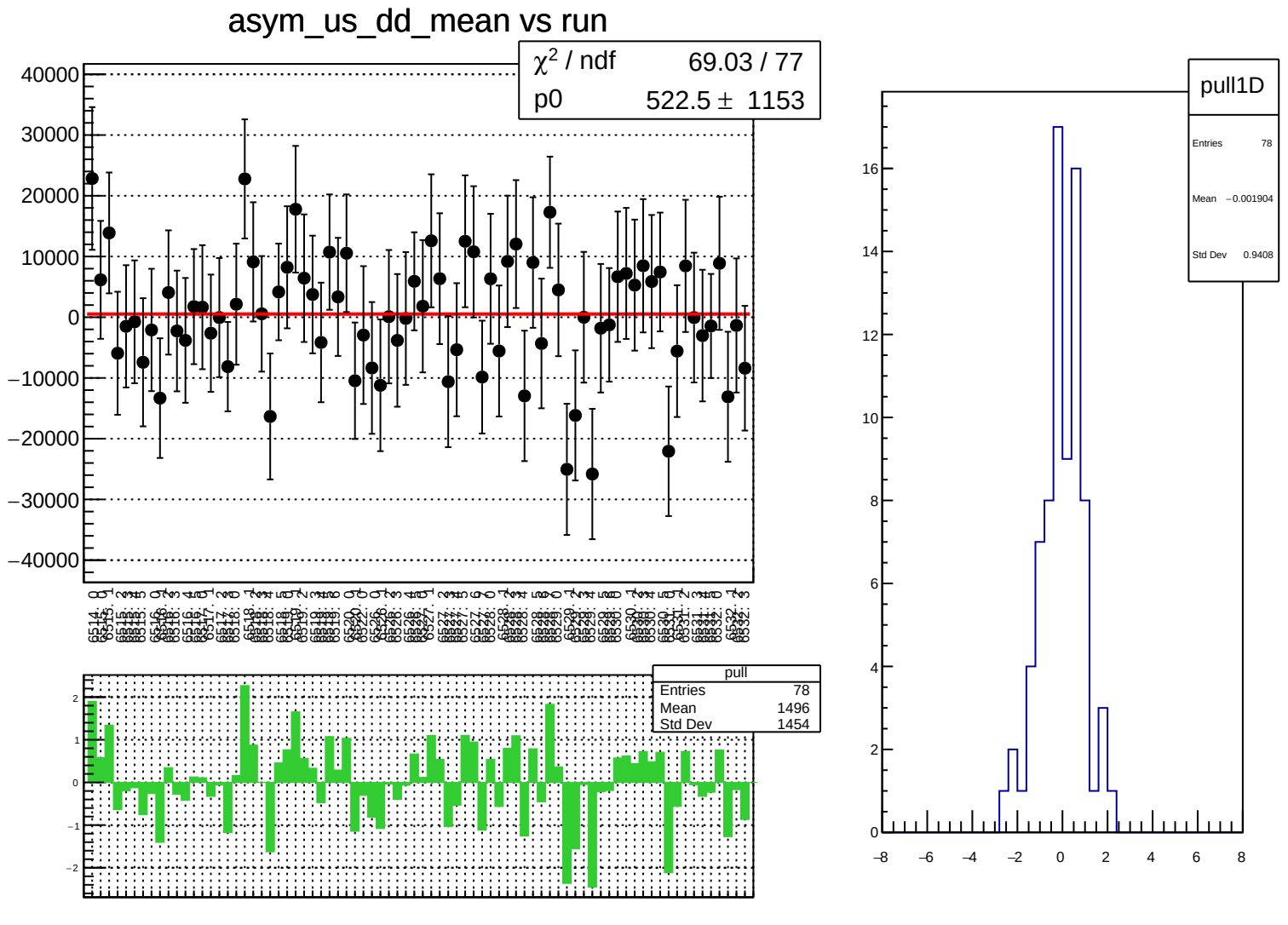

dit_asym_us_dd_mean vs run
χ² / ndf 68.2 / 77
p0 657.9 ± 948.9
pull
Entries 78
Mean 678.6
Std Dev 631.2
pull1D
Entries 78
Mean −0.002584
Std Dev 0.9351

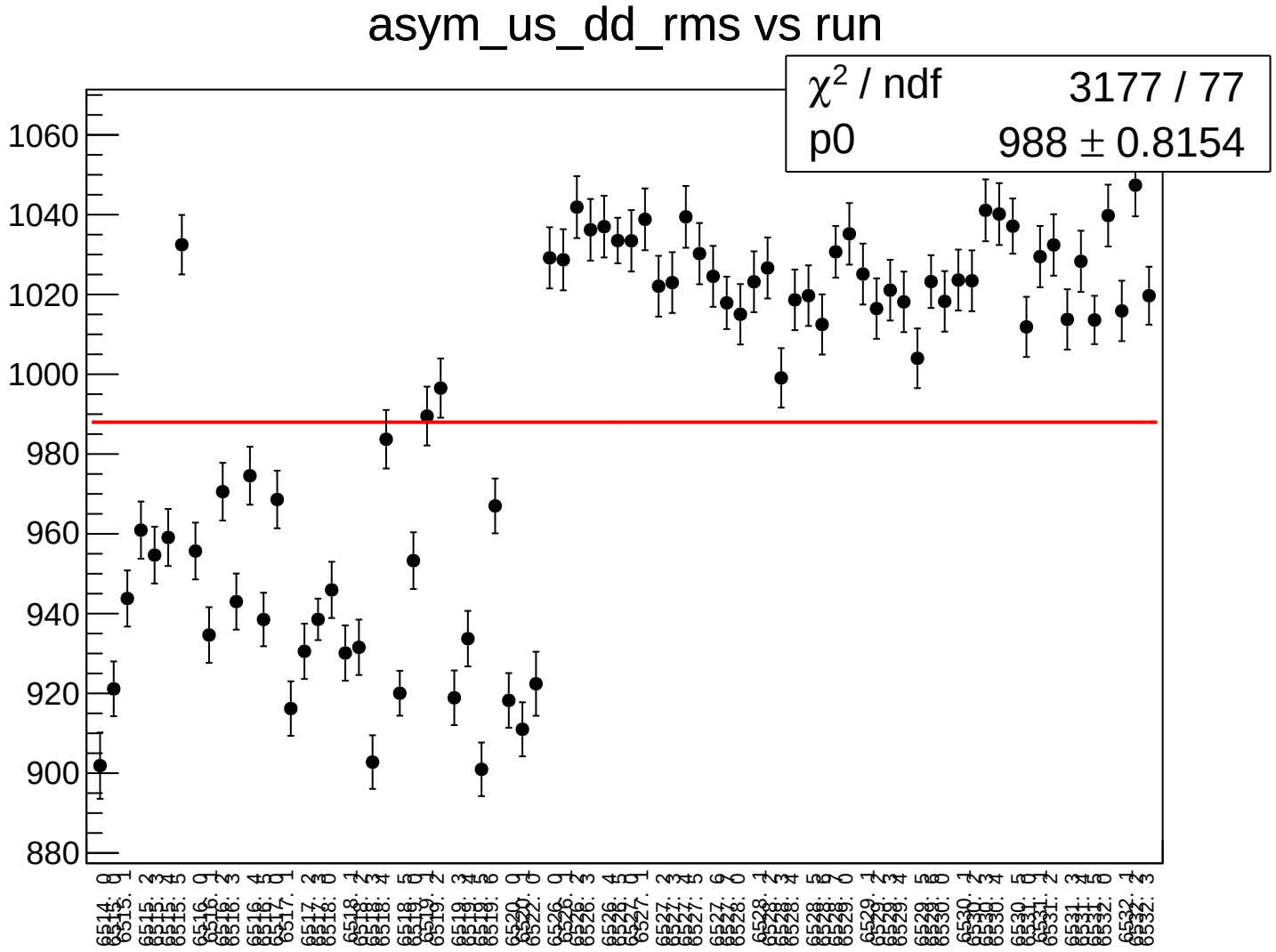

dit_asym_us_dd_rms vs run
χ² / ndf 111.8 / 77
p0 813.8 ± 0.671
840
830
820
810
800
790

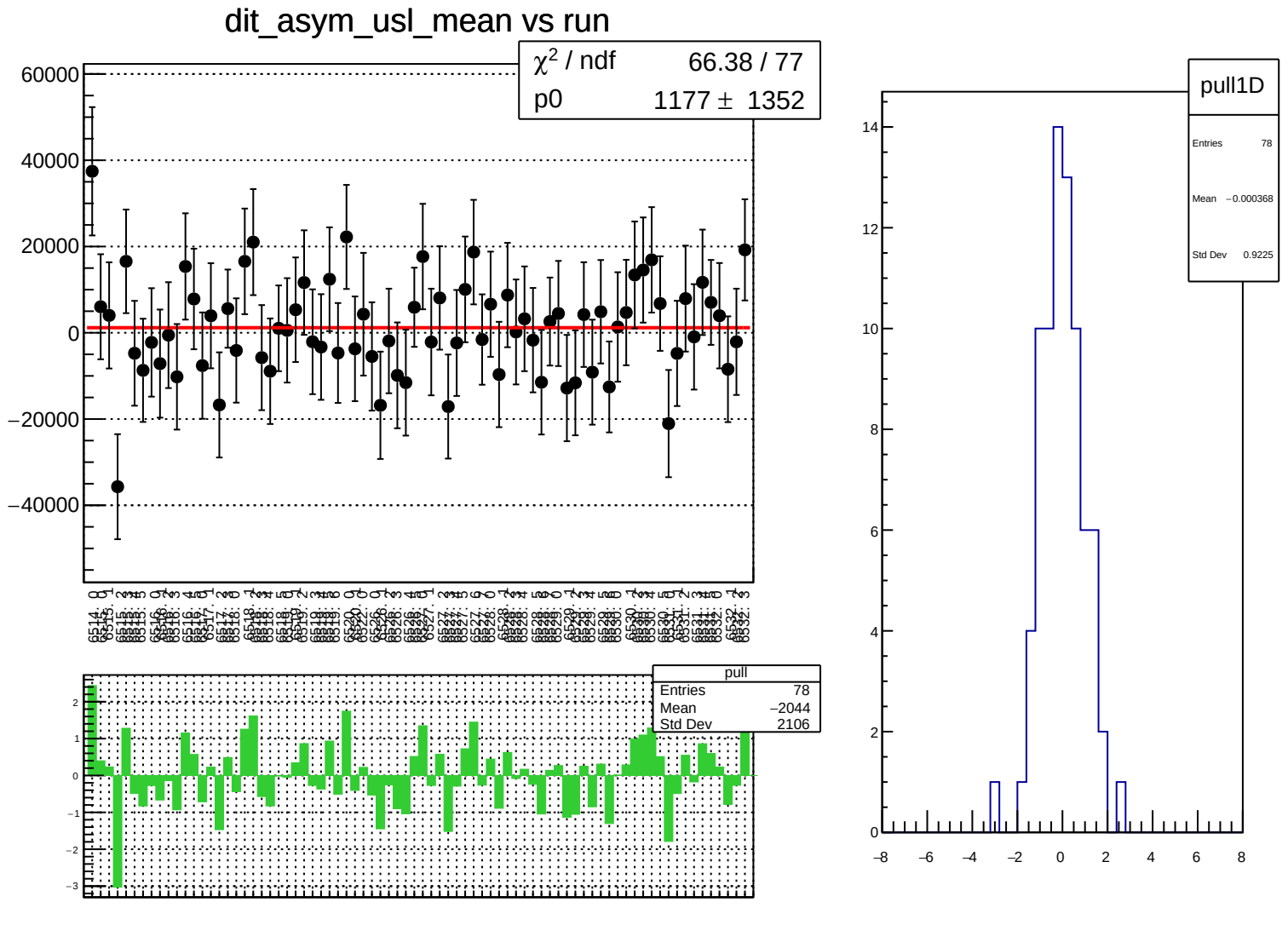

asym_us_dd_correction_mean vs run
χ² / ndf 82.09 / 77
p0 1644 ± 2185
pull
Entries 78
Mean −59.03
Std Dev 60.8
pull1D
Entries 78
Mean −0.01357
Std Dev 1.026

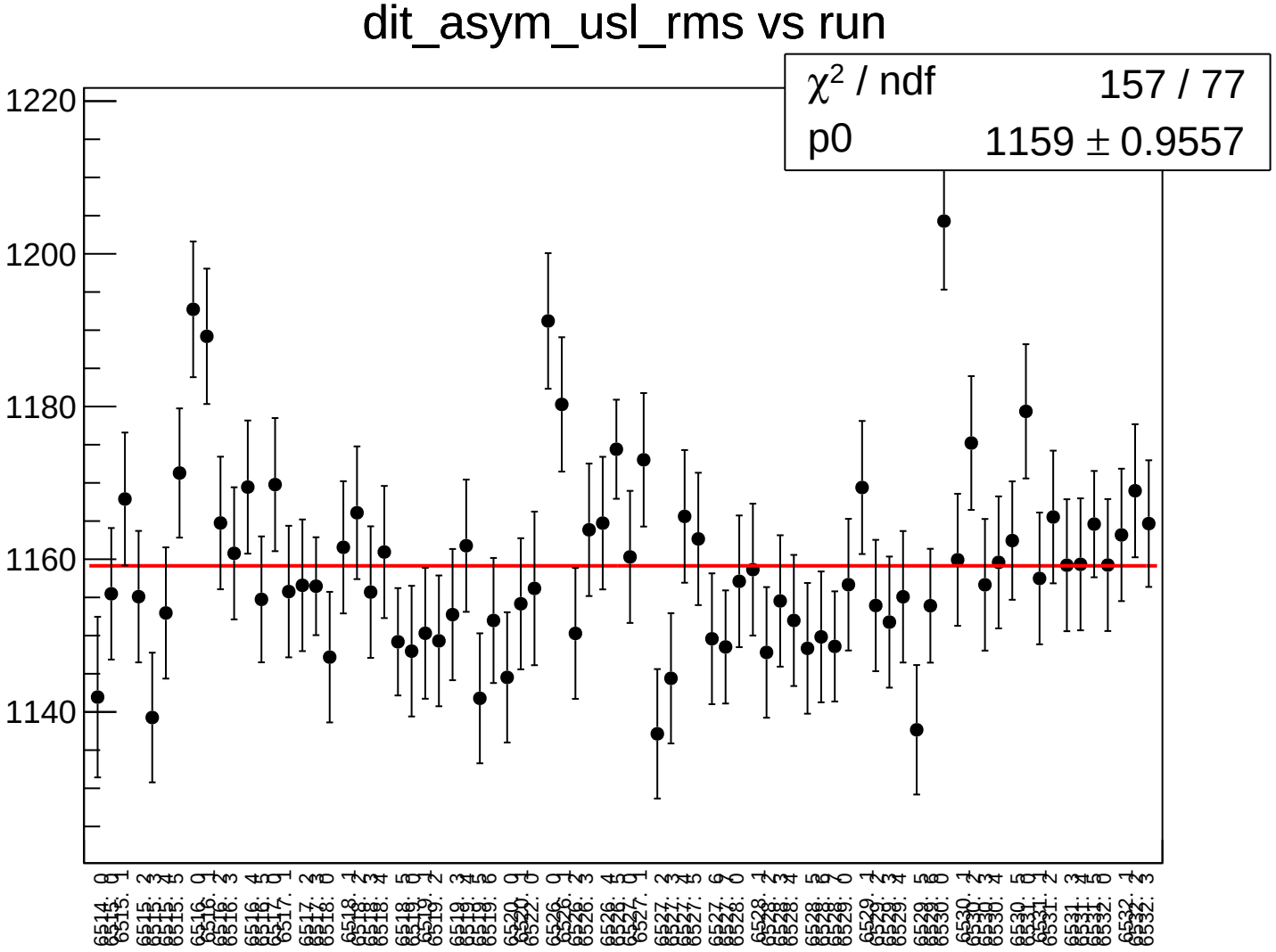
asym_us_dd_correction_rms vs run

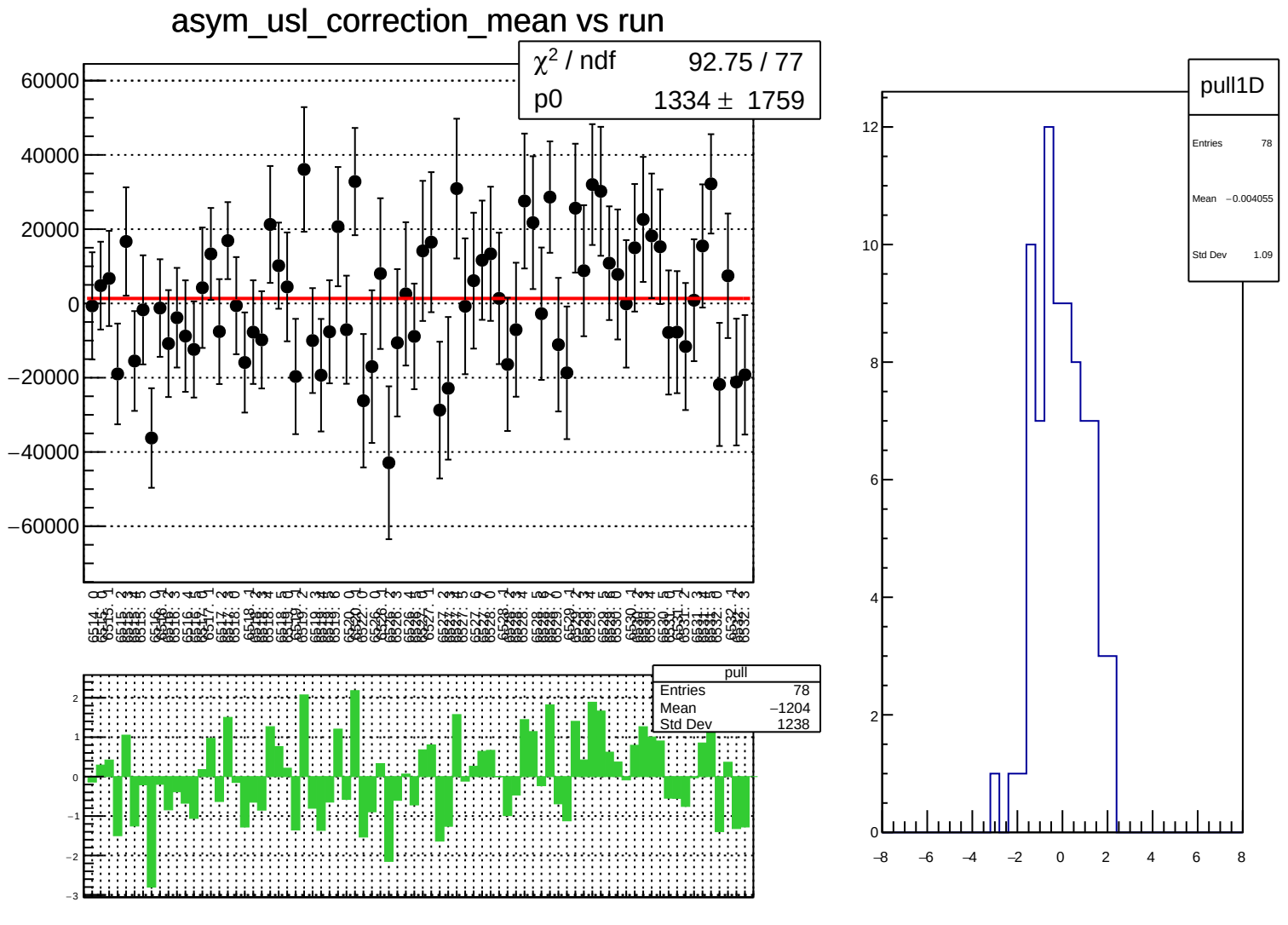



asym_us_dd_mean vs run
χ² / ndf 69.03 / 77
p0 522.5 ± 1153
pull
Entries 78
Mean 1496
Std Dev 1454
pull1D
Entries 78
Mean −0.001904
Std Dev 0.9408

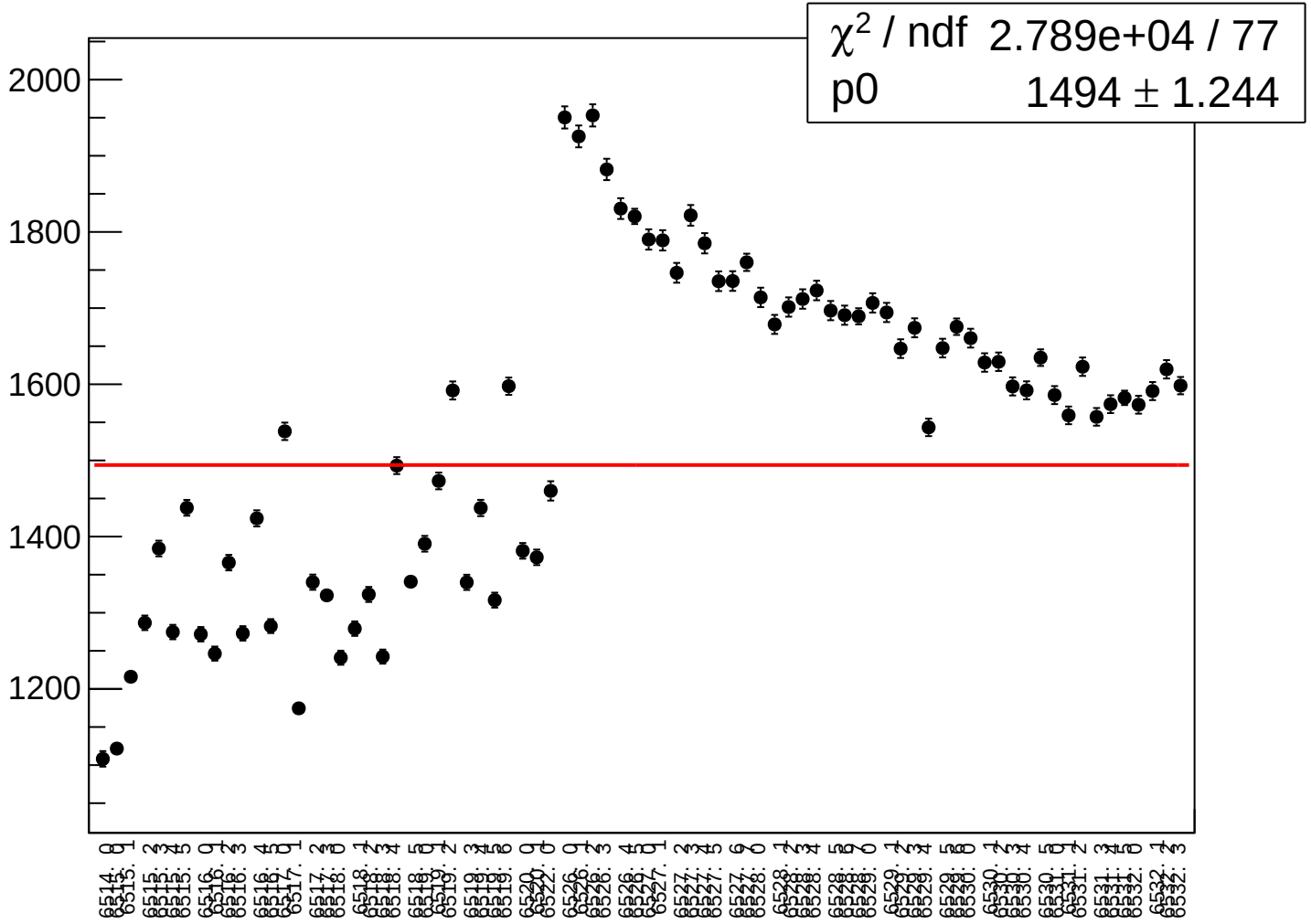

asym_us_dd_rms vs run
χ² / ndf 3177 / 77
p0 988 ± 0.8154
1060
1040
1020
1000
980
960
940
920
900
880

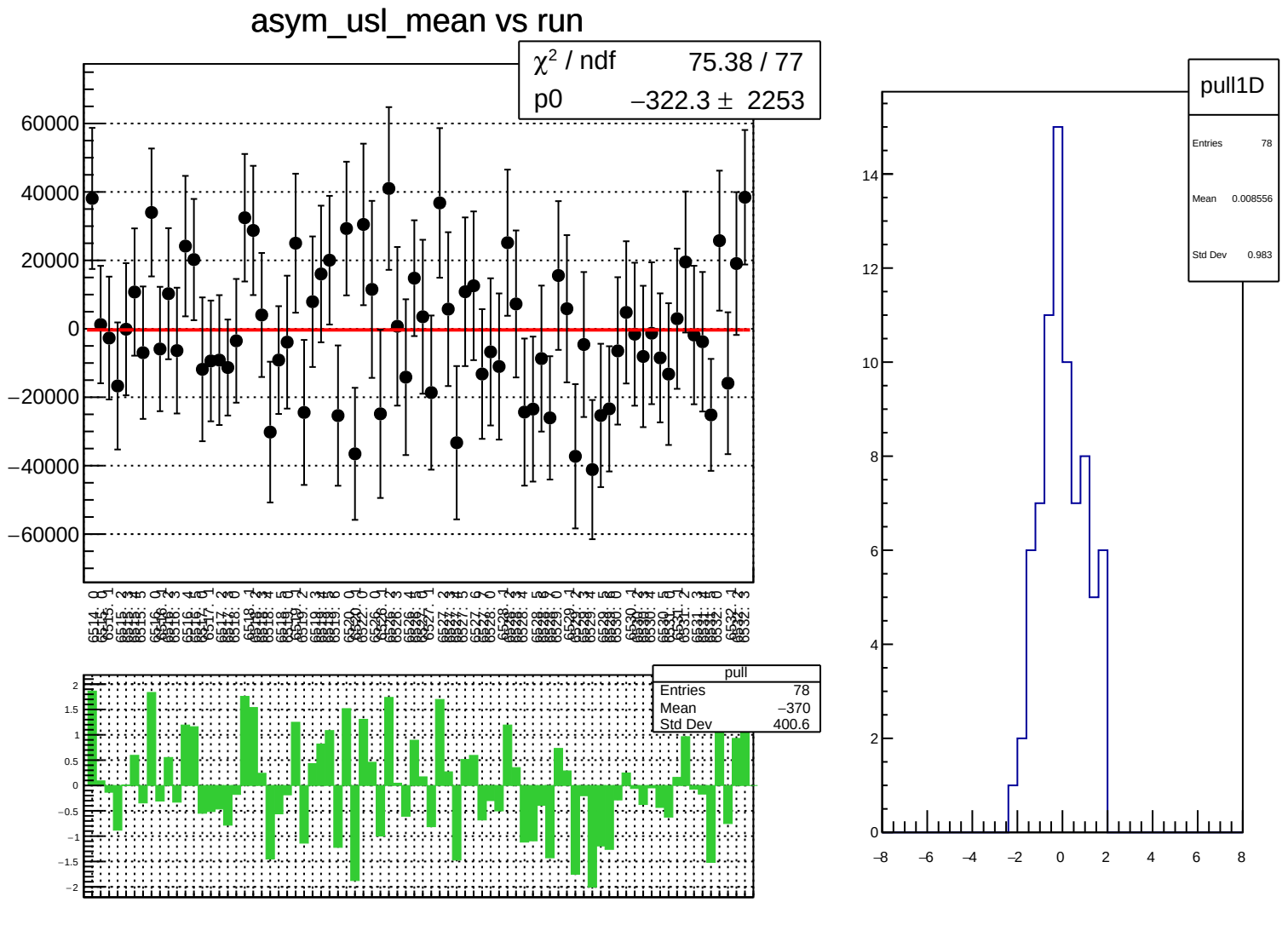

dit_asym_usl_mean vs run
χ² / ndf 66.38 / 77
p0 1177 ± 1352
pull
Entries 78
Mean −2044
Std Dev 2106
pull1D
Entries 78
Mean −0.000368
Std Dev 0.9225


dit_asym_usl_rms vs run
χ² / ndf 157 / 77
p0 1159 ± 0.9557
1220
1200
1180
1160
1140

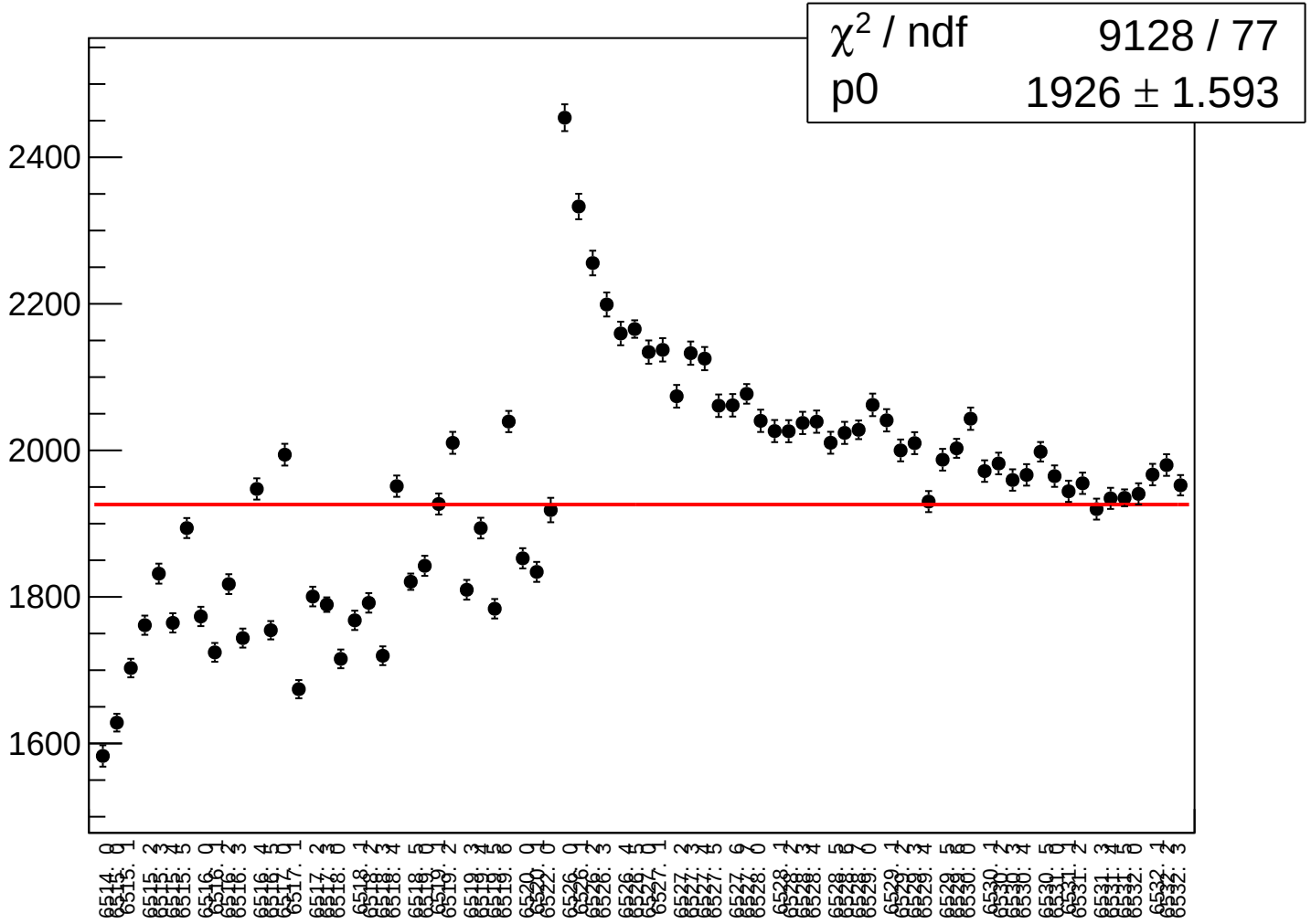

asym_usl_correction_mean vs run
χ² / ndf 92.75 / 77
p0 1334 ± 1759
pull
Entries 78
Mean −1204
Std Dev 1238
pull1D
Entries 78
Mean −0.004055
Std Dev 1.09

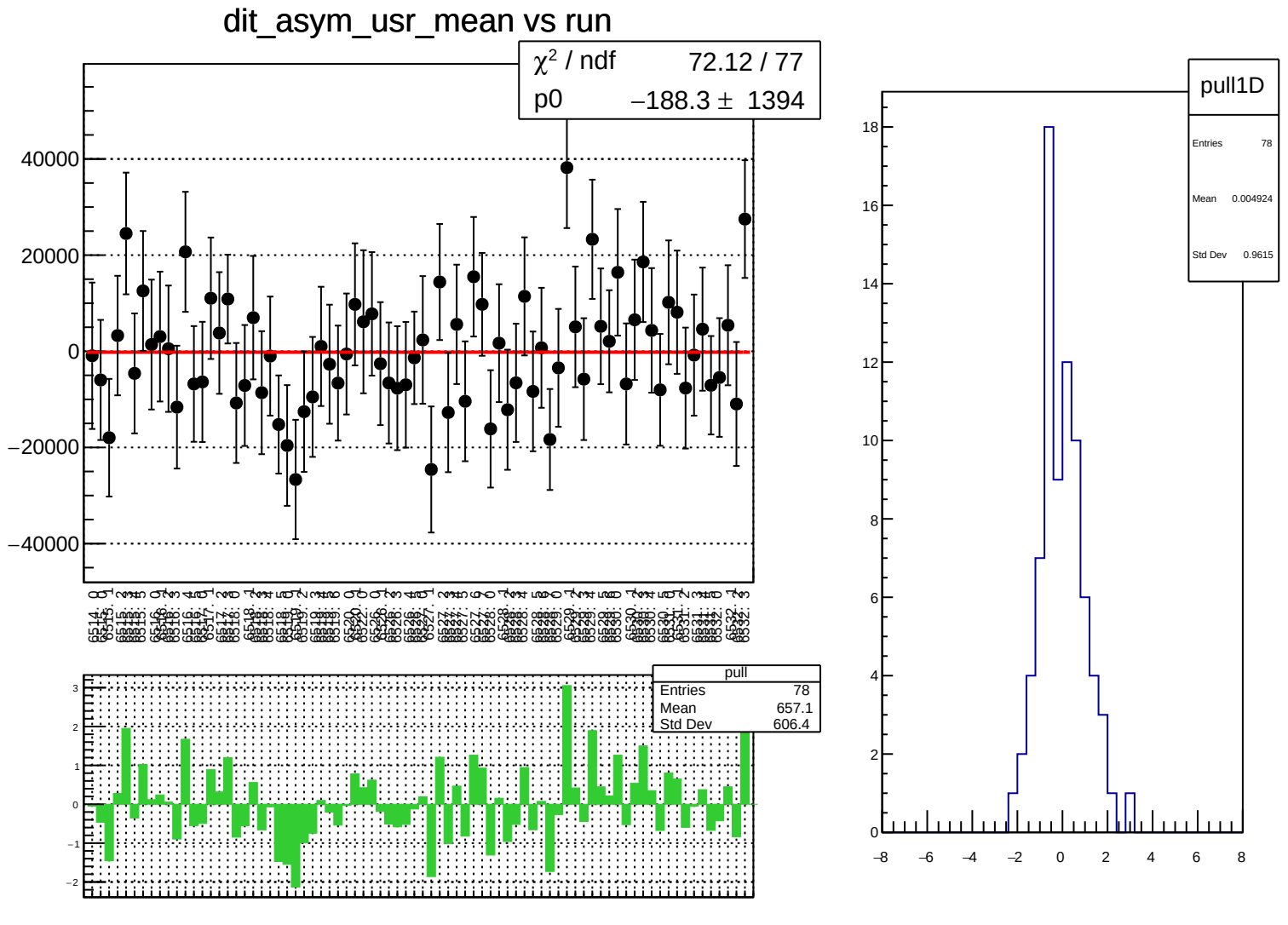
asym_usl_correction_rms vs run

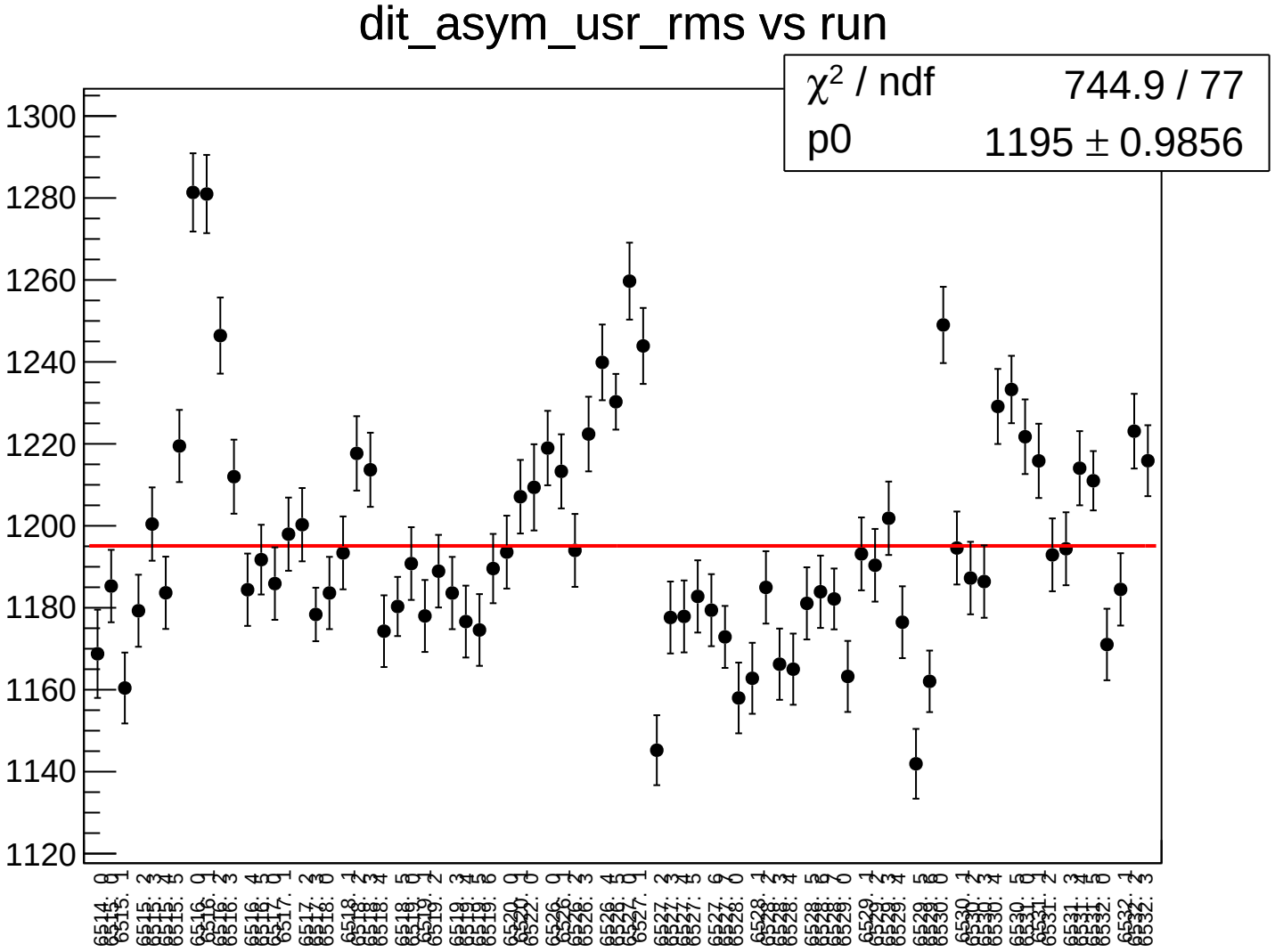


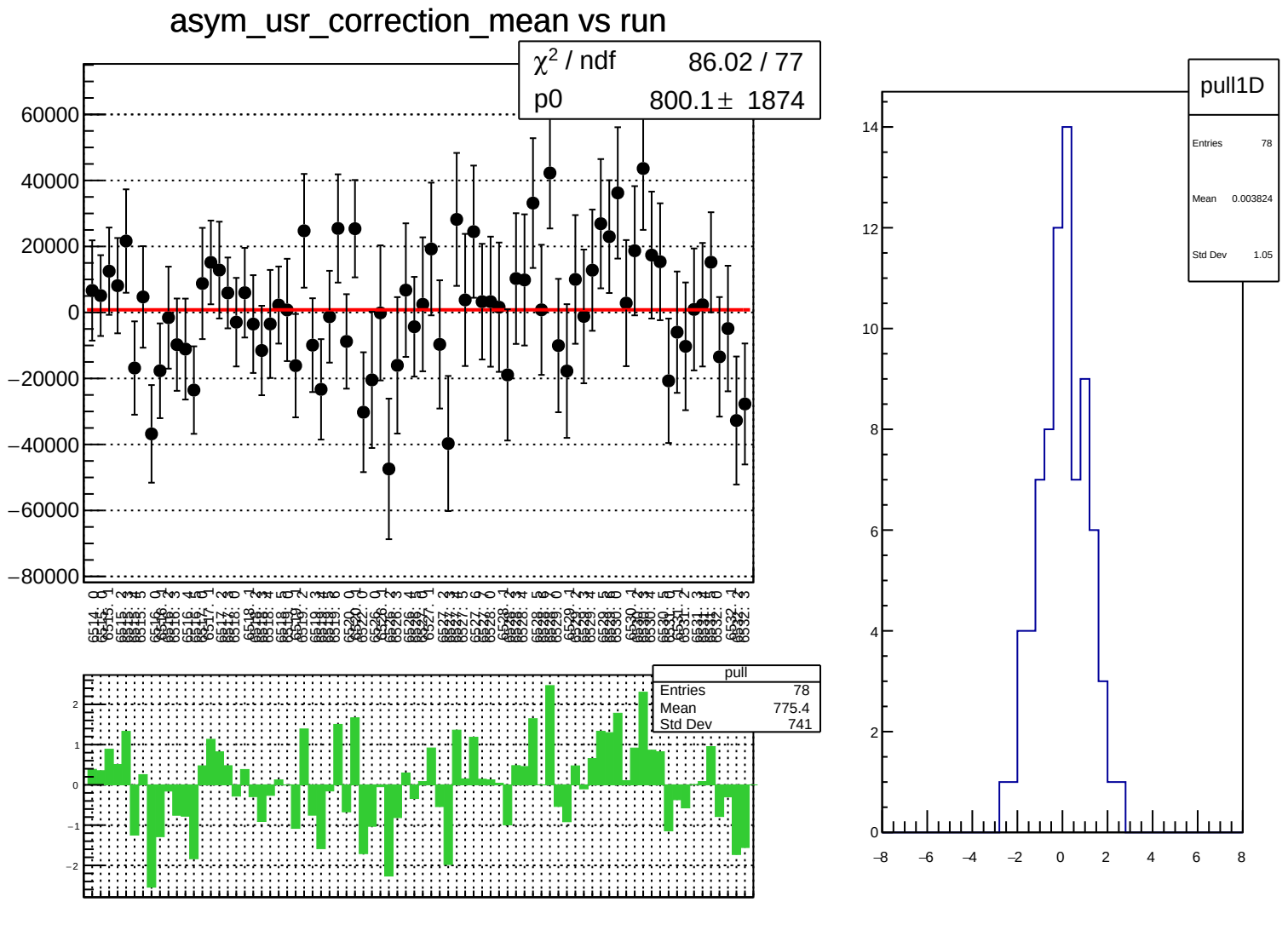

asym_usl_mean vs run
χ² / ndf 75.38 / 77
p0 −322.3 ± 2253
pull
Entries 78
Mean −370
Std Dev 400.6
pull1D
Entries 78
Mean 0.008556
Std Dev 0.983

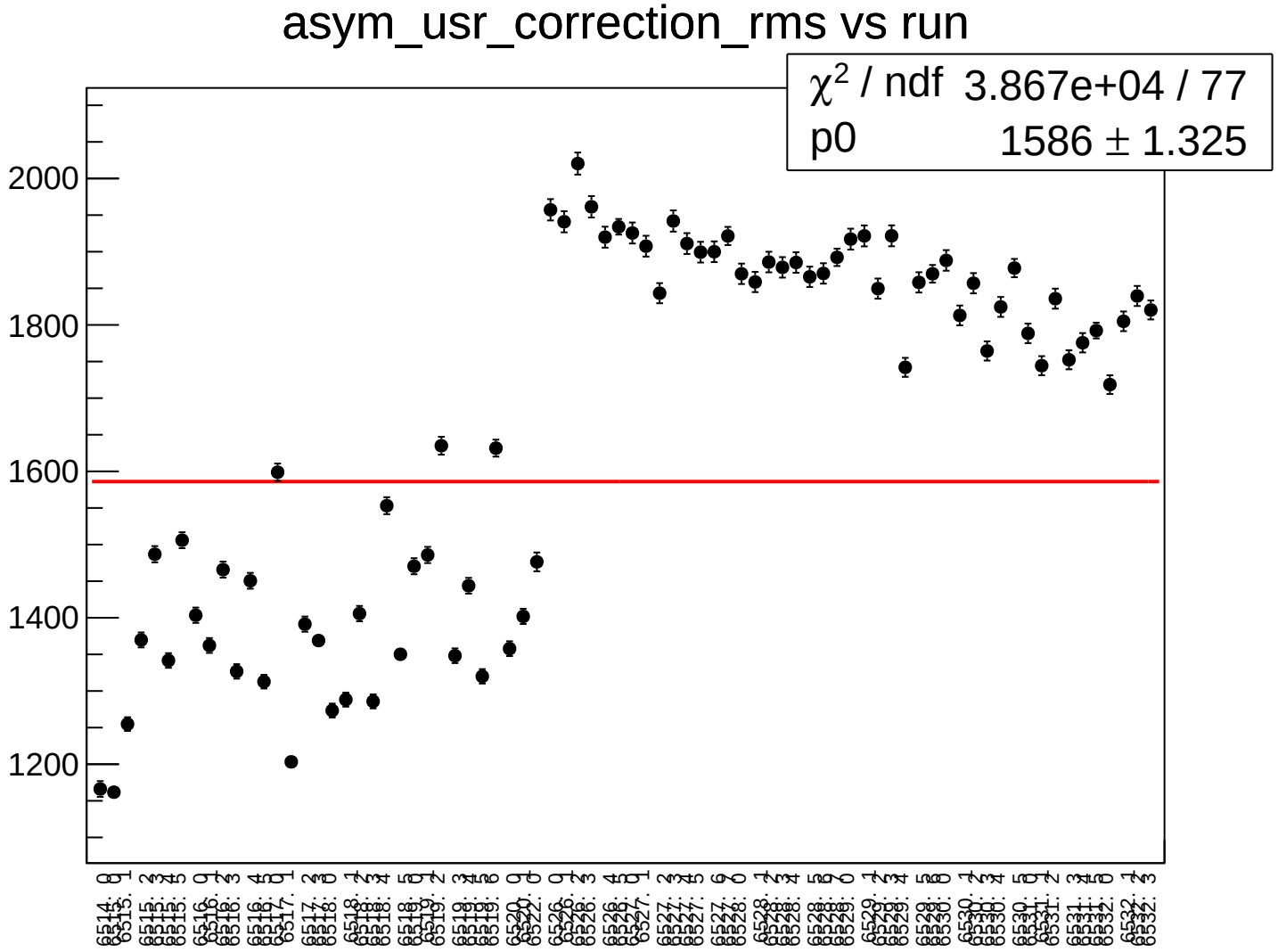
asym_usl_rms vs run

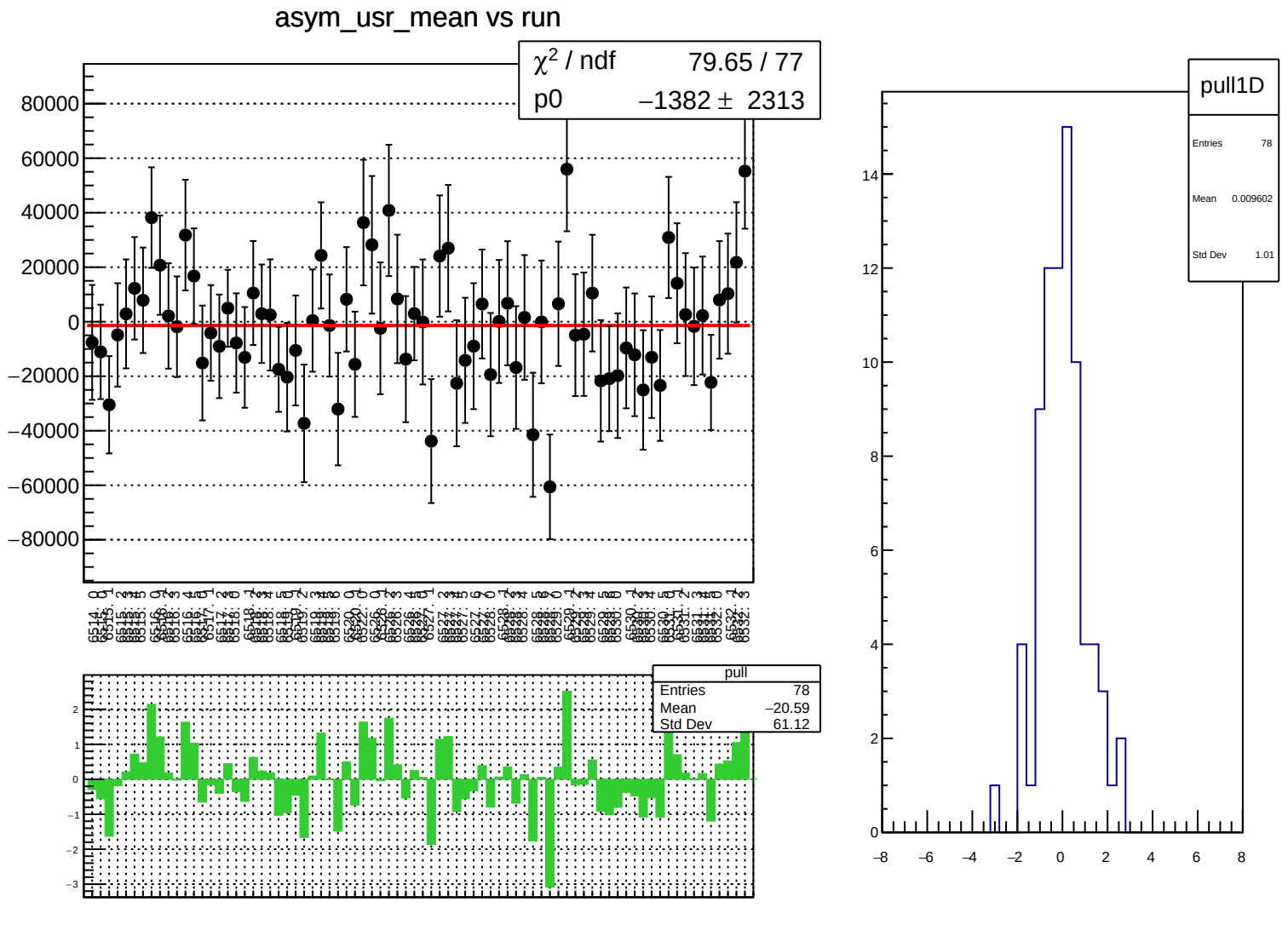


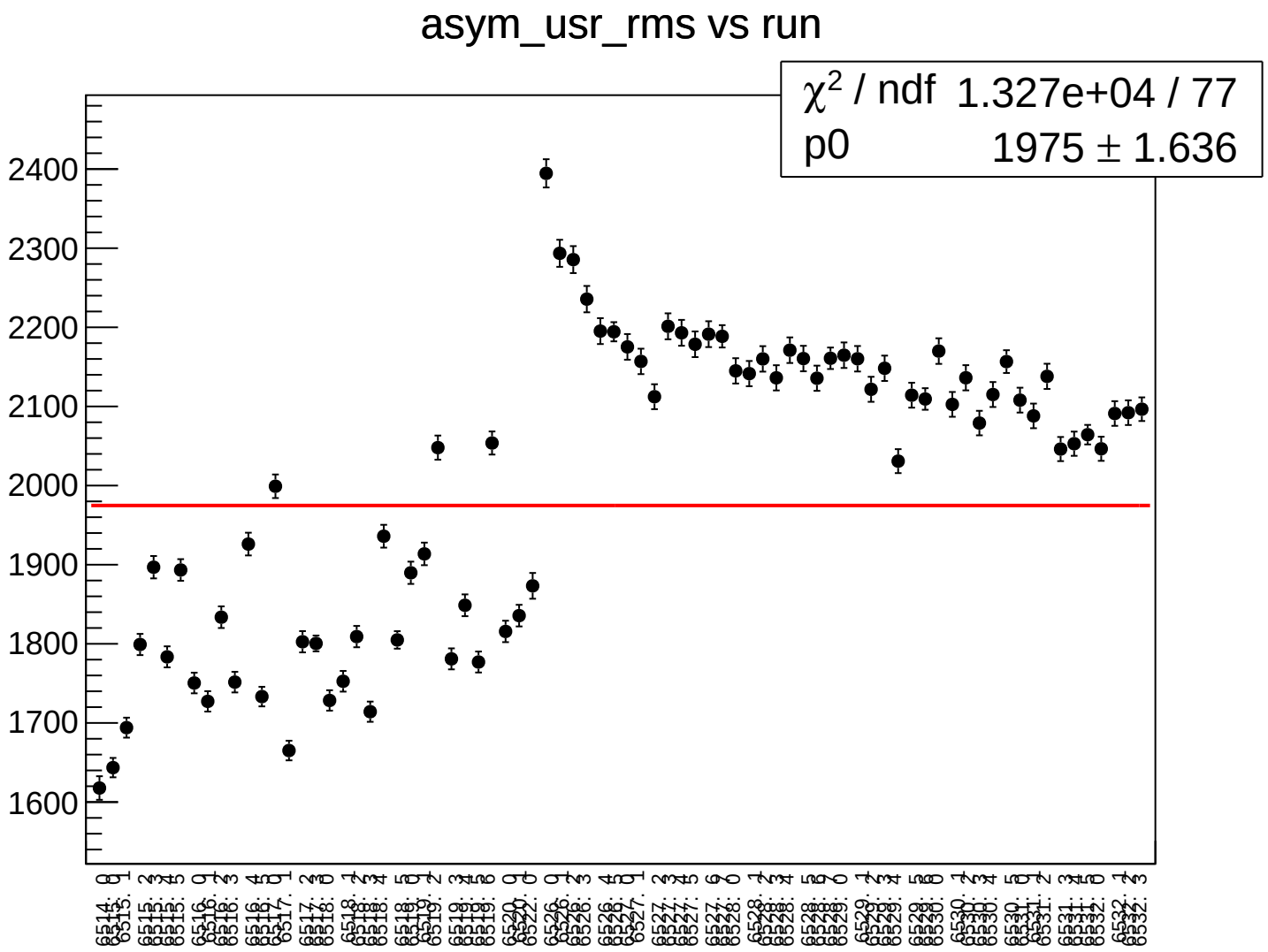

dit_asym_usr_mean vs run
χ² / ndf 72.12 / 77
p0 −188.3 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 657.1
Std Dev 606.4
pull1D
Entries 78
Mean 0.004924
Std Dev 0.9615

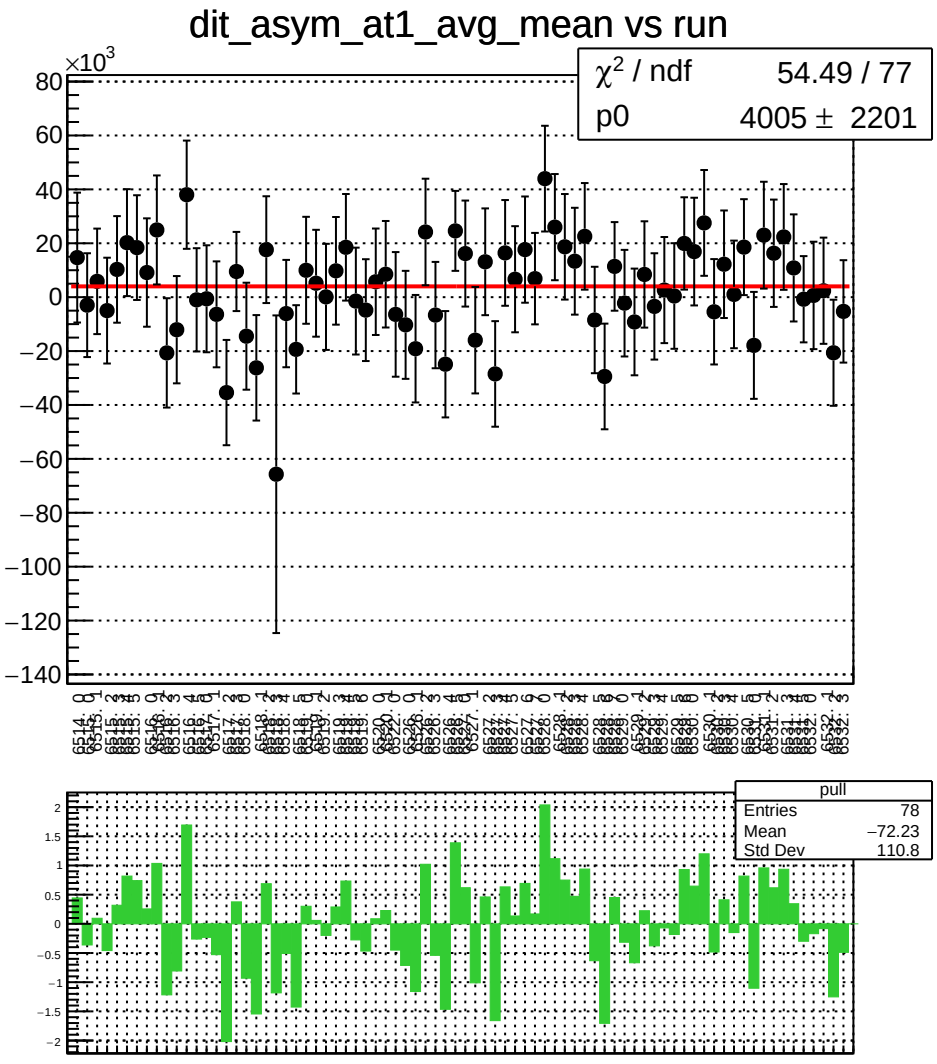

dit_asym_usr_rms vs run
χ² / ndf 744.9 / 77
p0 1195 ± 0.9856
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

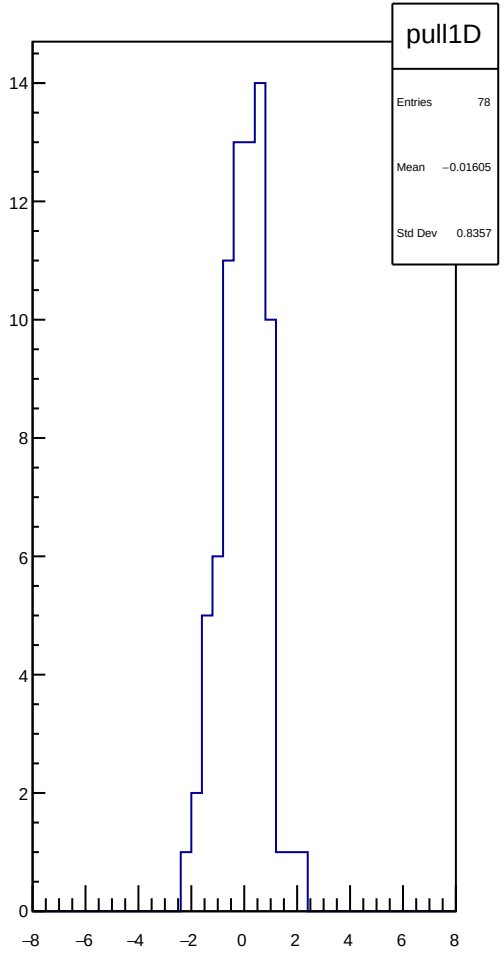

asym_usr_correction_mean vs run
χ² / ndf 86.02 / 77
p0 800.1 ± 1874
pull
Entries 78
Mean 775.4
Std Dev 741
pull1D
Entries 78
Mean 0.003824
Std Dev 1.05


asym_usr_correction_rms vs run
χ^2 / ndf 3.867e+04 / 77
p0 1586 ± 1.325
2000
1800
1600
1400
1200

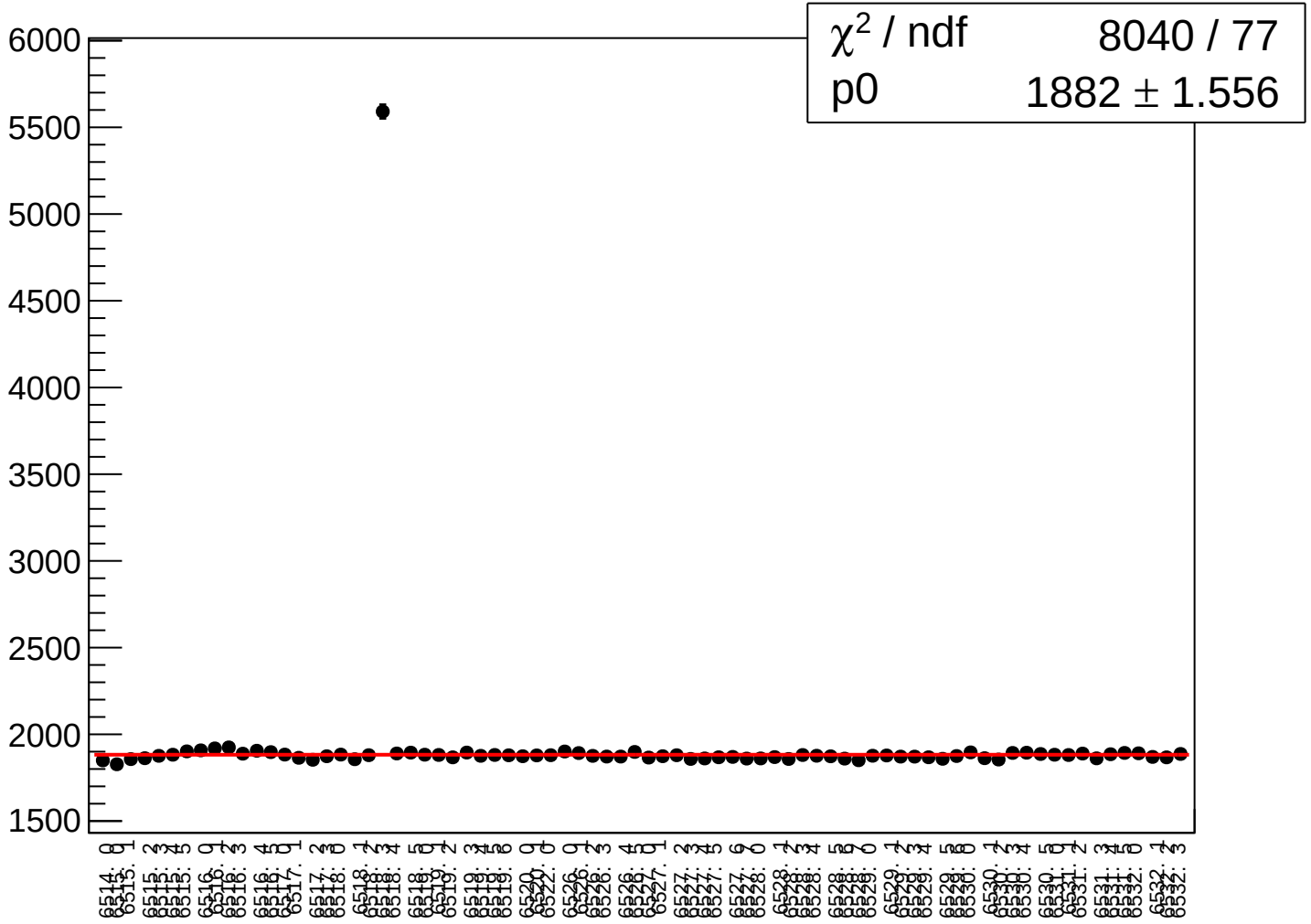

asym_usr_mean vs run
χ² / ndf 79.65 / 77
p0 −1382 ± 2313
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 78
Mean −20.59
Std Dev 61.12
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean 0.009602
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

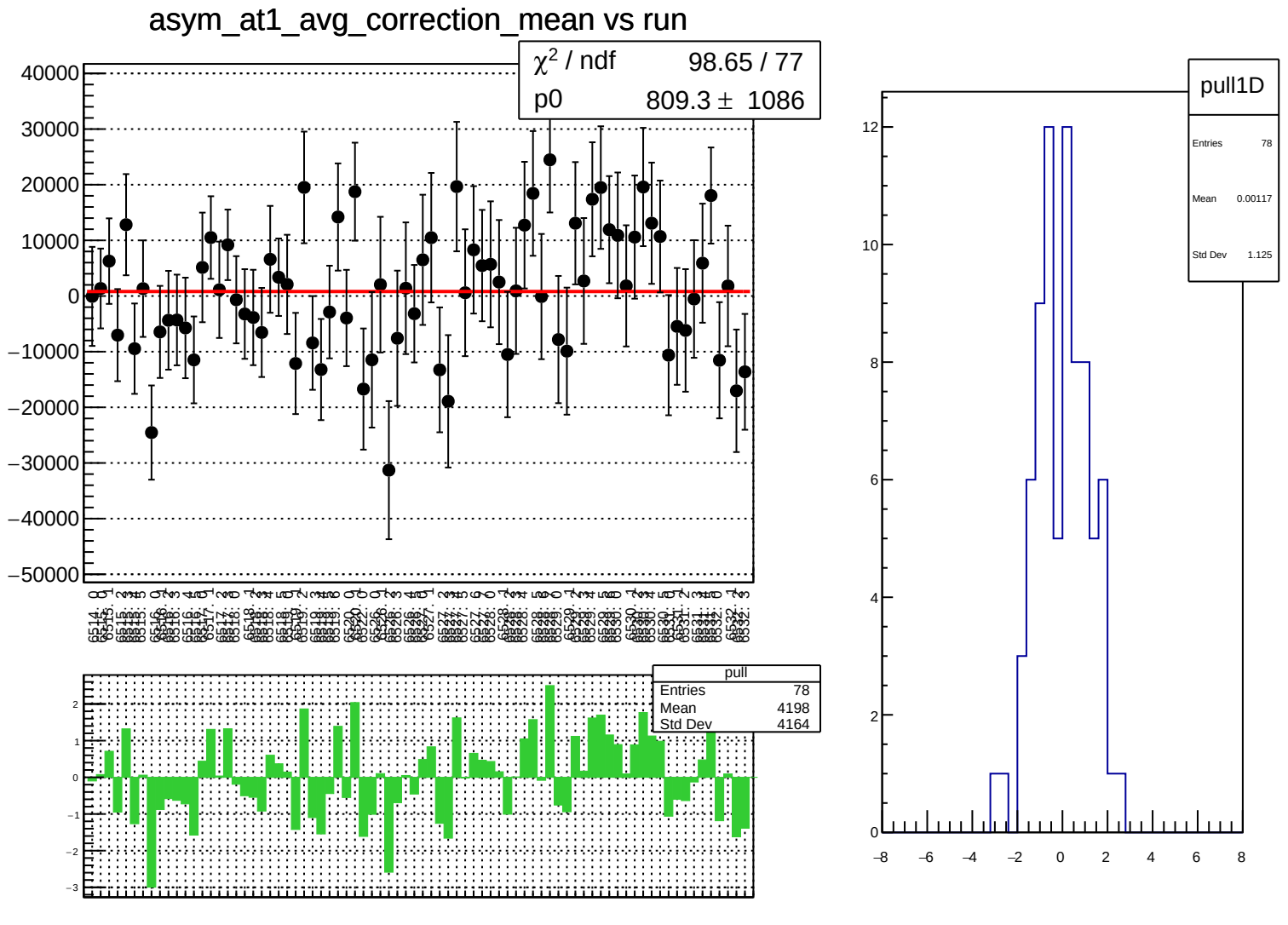

asym_usr_rms vs run
χ^2 / ndf 1.327e+04 / 77
p0 1975 ± 1.636
2400
2300
2200
2100
2000
1900
1800
1700
1600


dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 54.49 / 77
p0 4005 ± 2201
pull
Entries 78
Mean −72.23
Std Dev 110.8

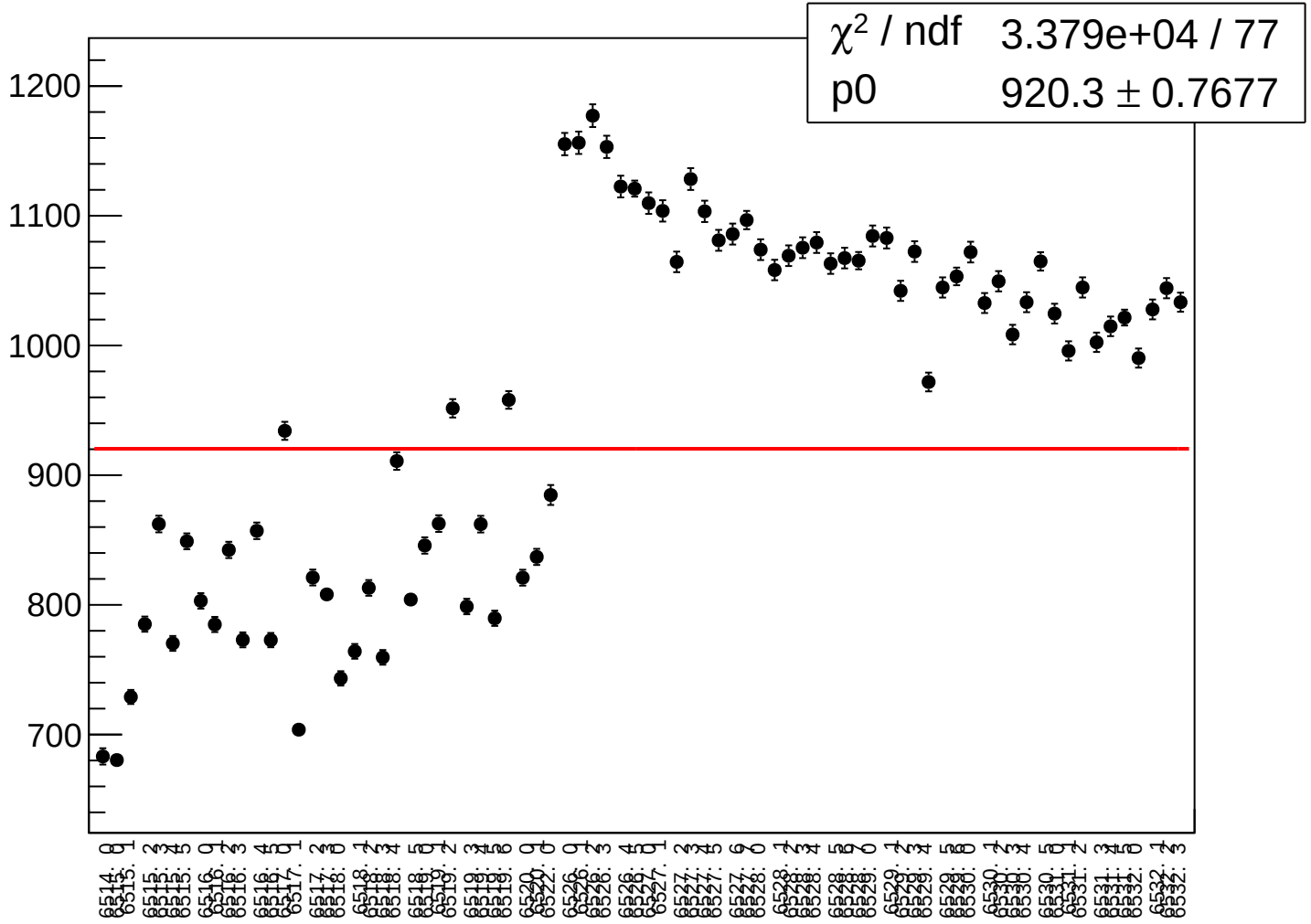

pull1D
Entries 78
Mean −0.01605
Std Dev 0.8357

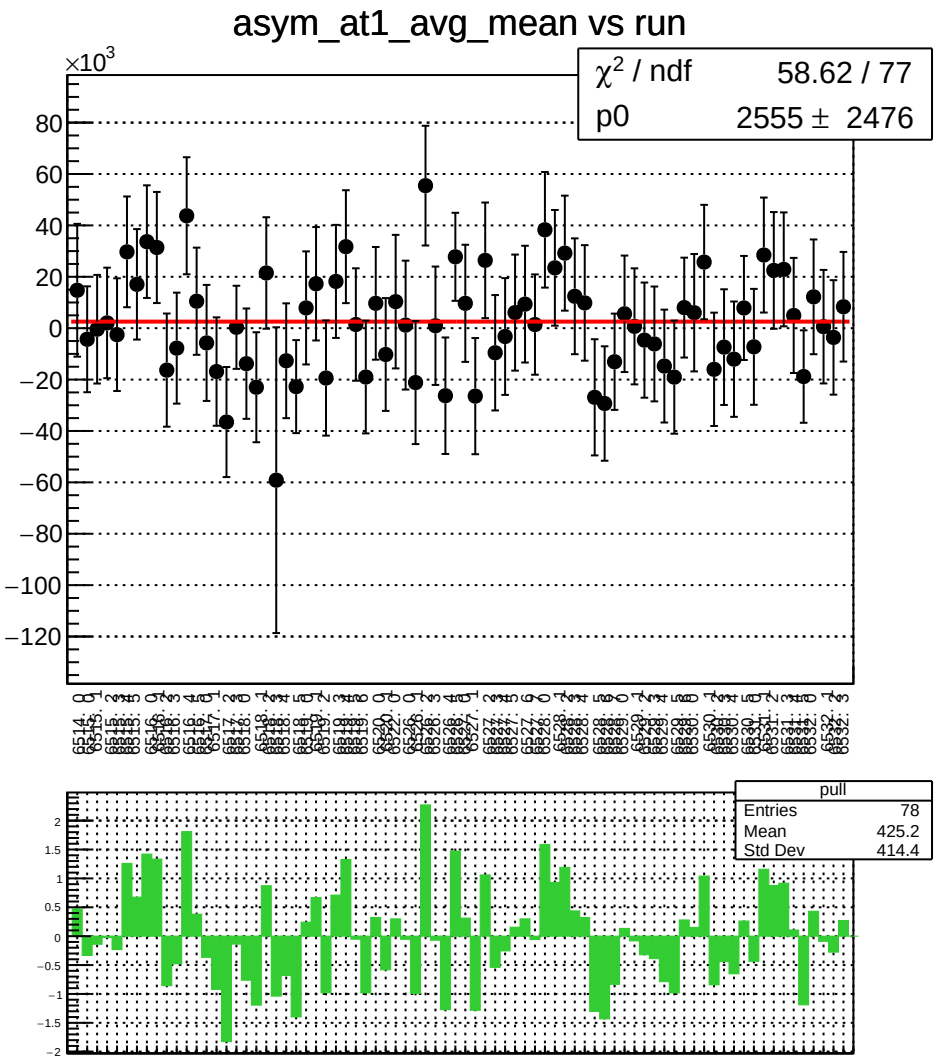
dit_asym_at1_avg_rms vs run

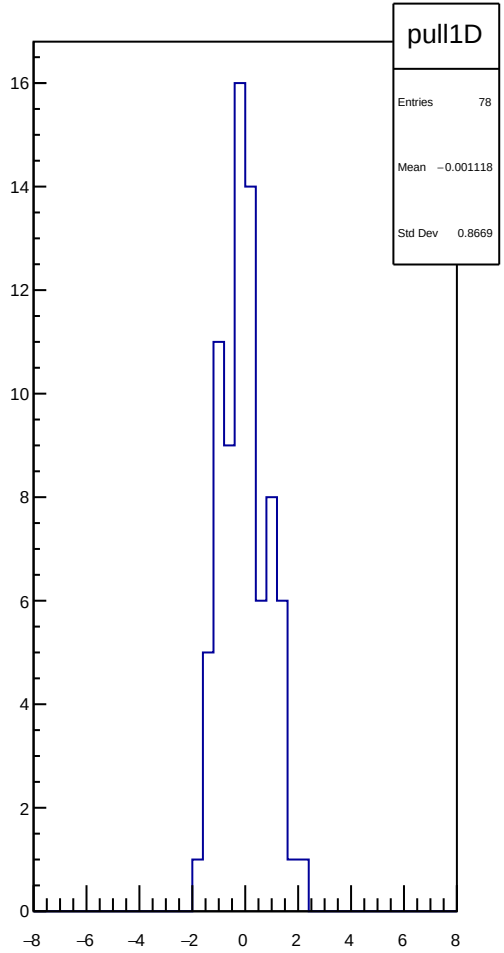


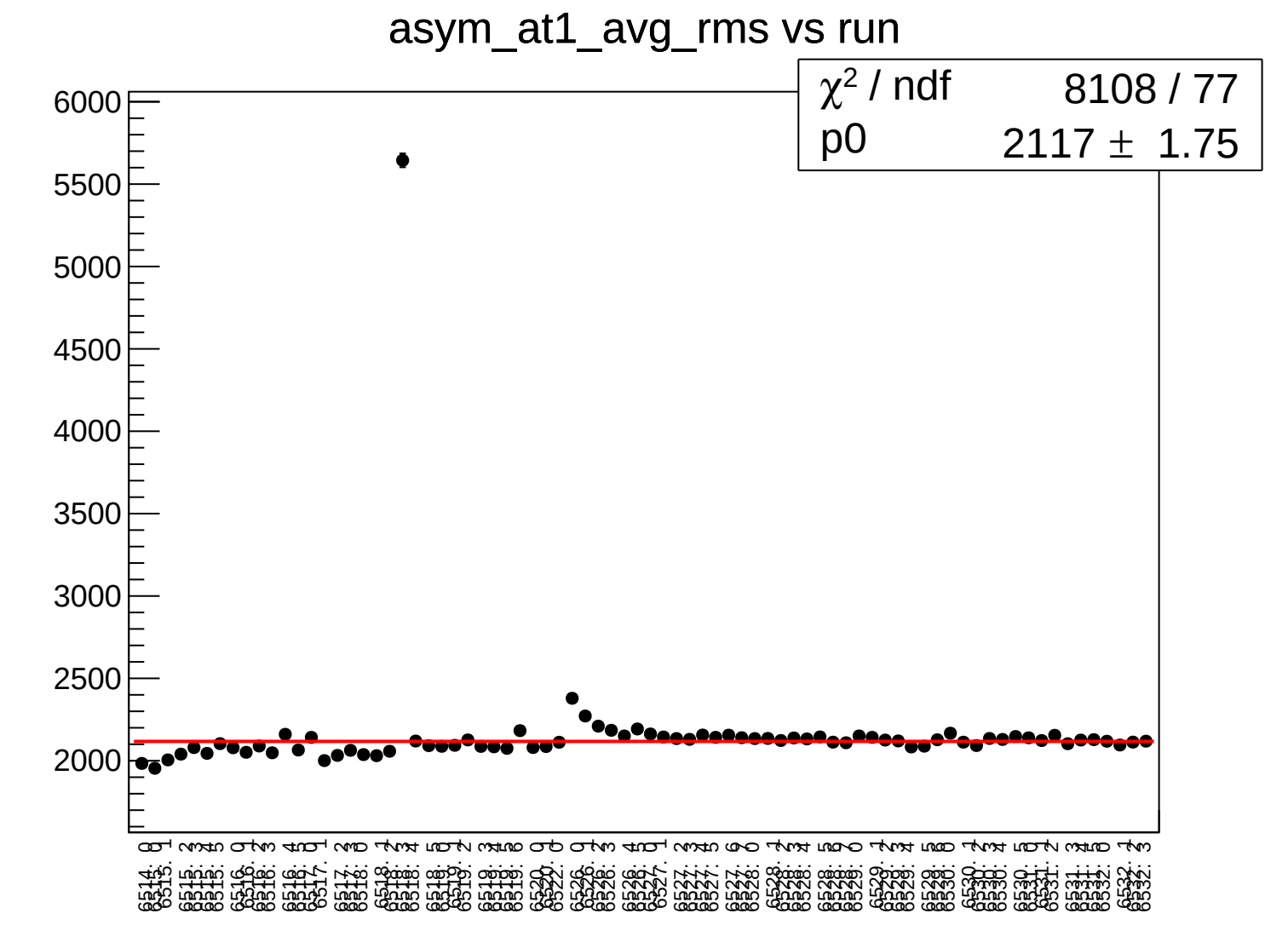

asym_at1_avg_correction_mean vs run
χ² / ndf 98.65 / 77
p0 809.3 ± 1086
pull
Entries 78
Mean 4198
Std Dev 4164
pull1D
Entries 78
Mean 0.00117
Std Dev 1.125

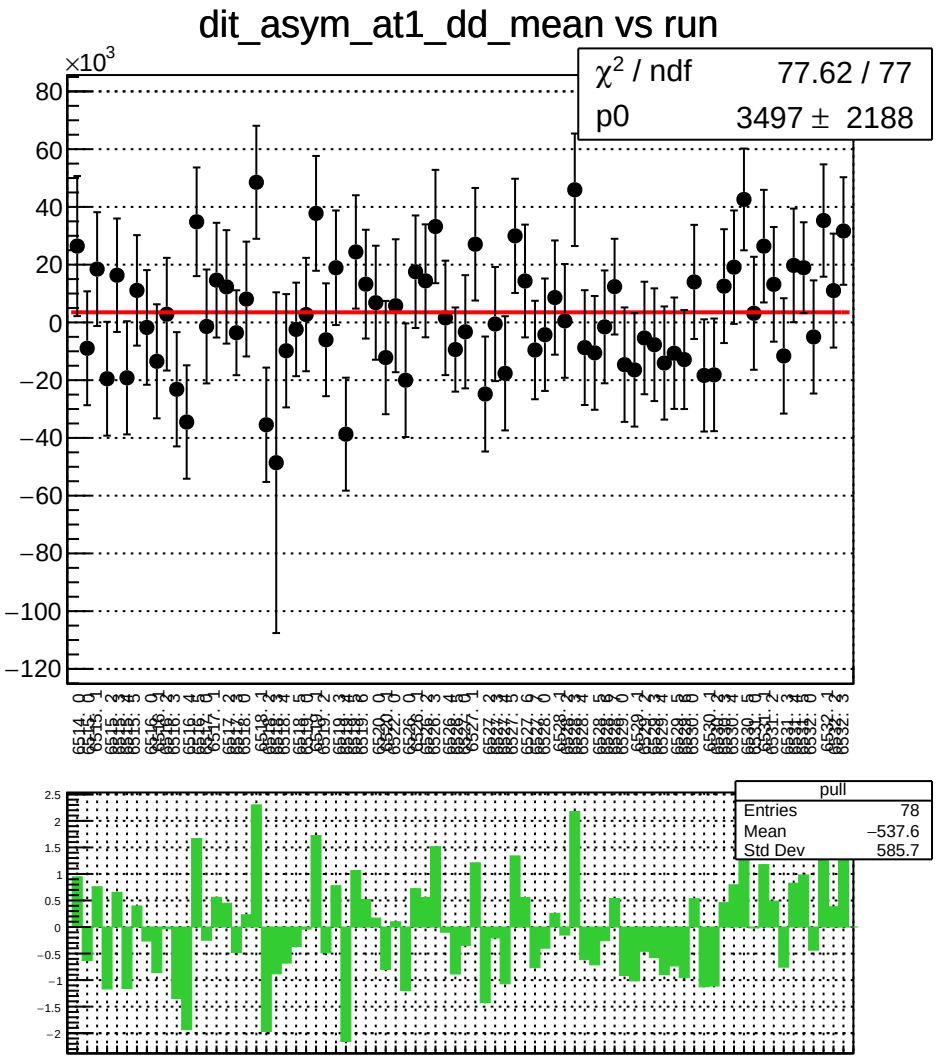
asym_at1_avg_correction_rms vs run

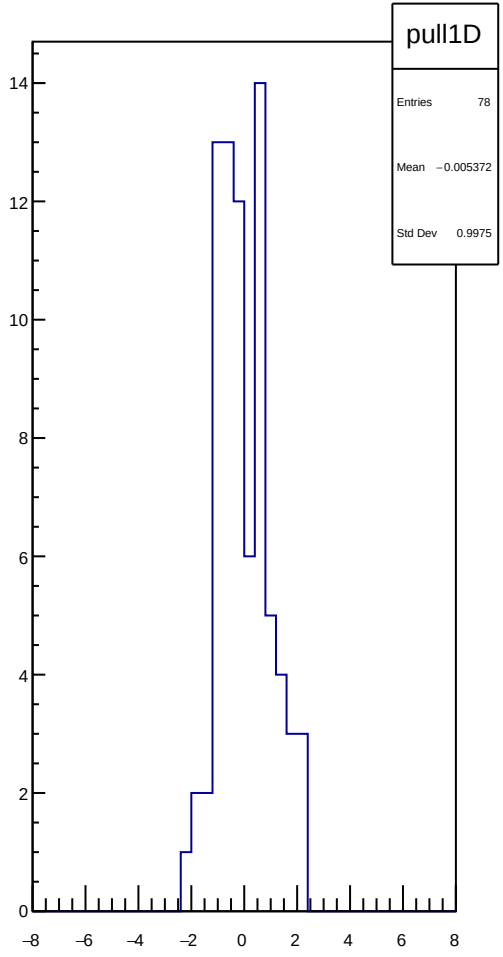


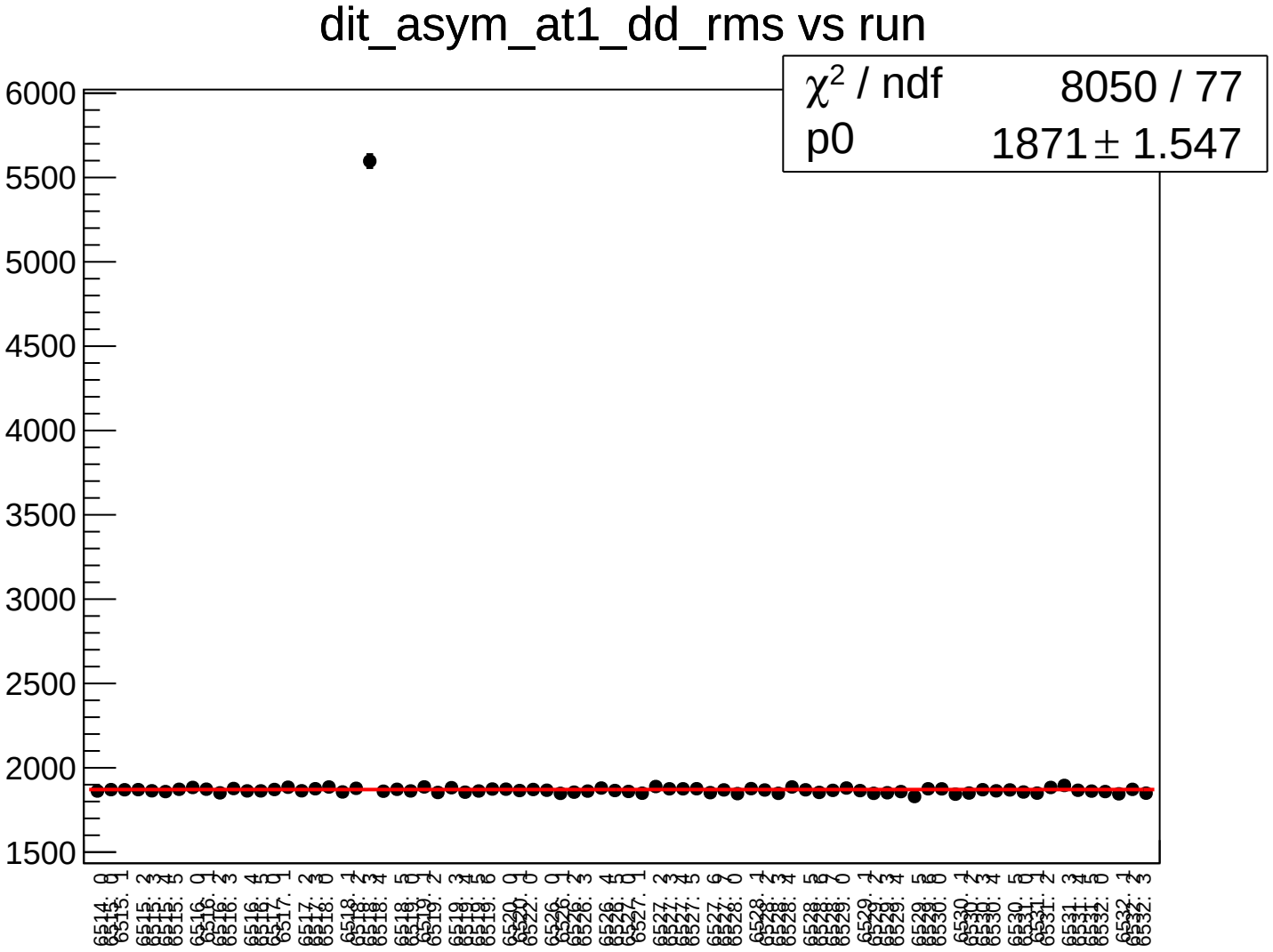

asym_at1_avg_mean vs run
χ^2 / ndf 58.62 / 77
p0 2555 ± 2476
×10^3
pull
Entries 78
Mean 425.2
Std Dev 414.4

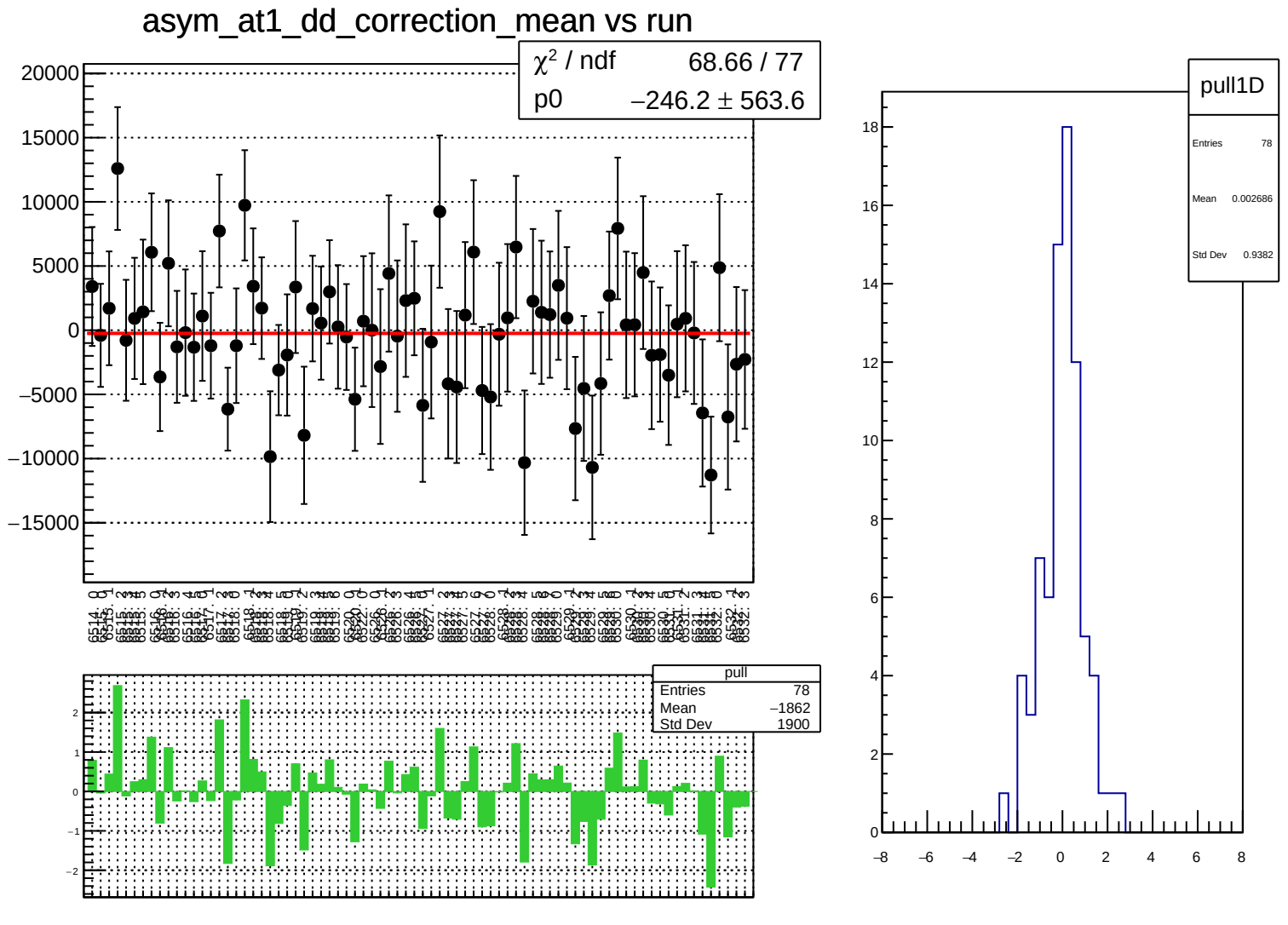

pull1D
Entries 78
Mean −0.001118
Std Dev 0.8669

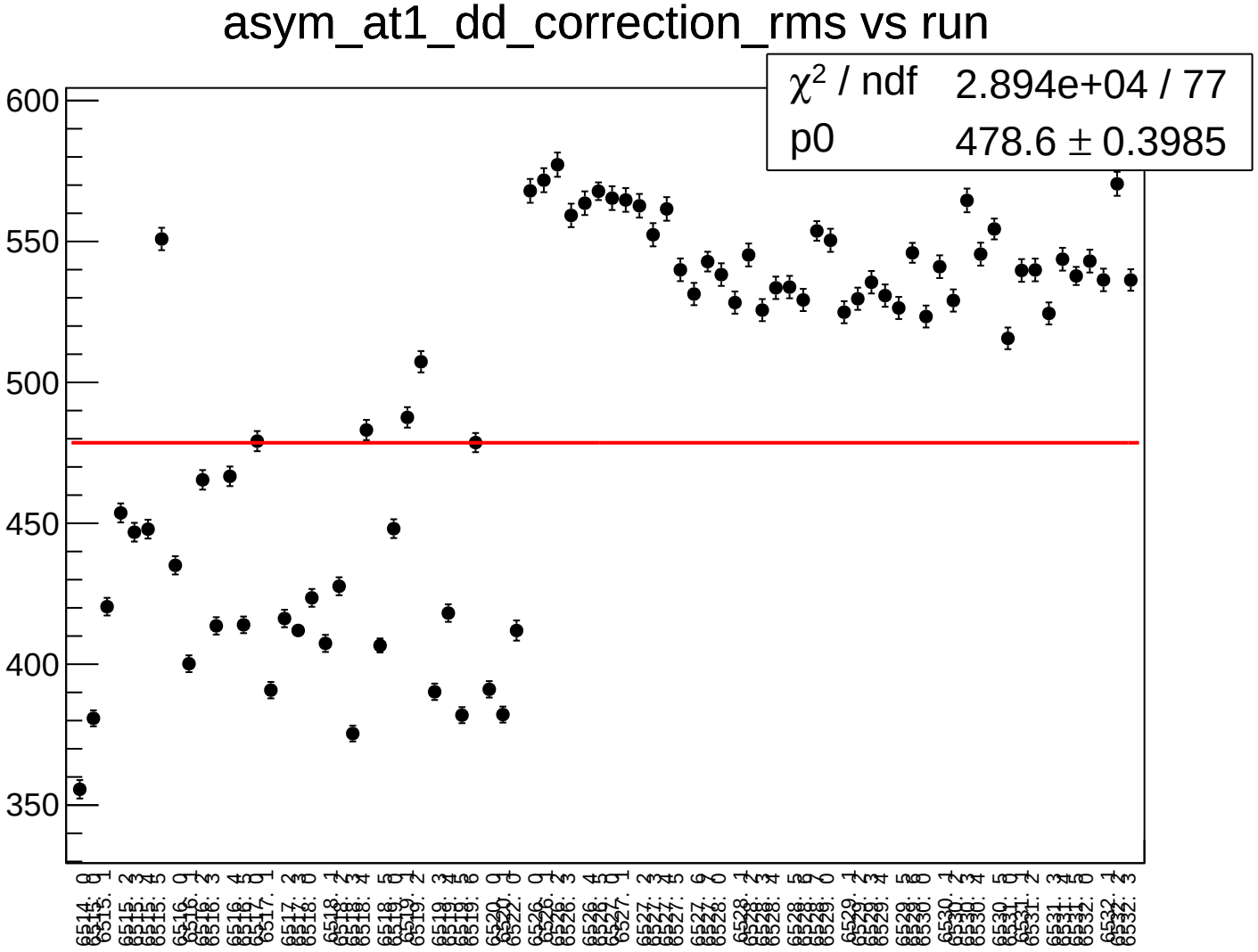

asym_at1_avg_rms vs run
χ2 / ndf 8108 / 77
p0 2117 ± 1.75
6000
5500
5000
4500
4000
3500
3000
2500
2000

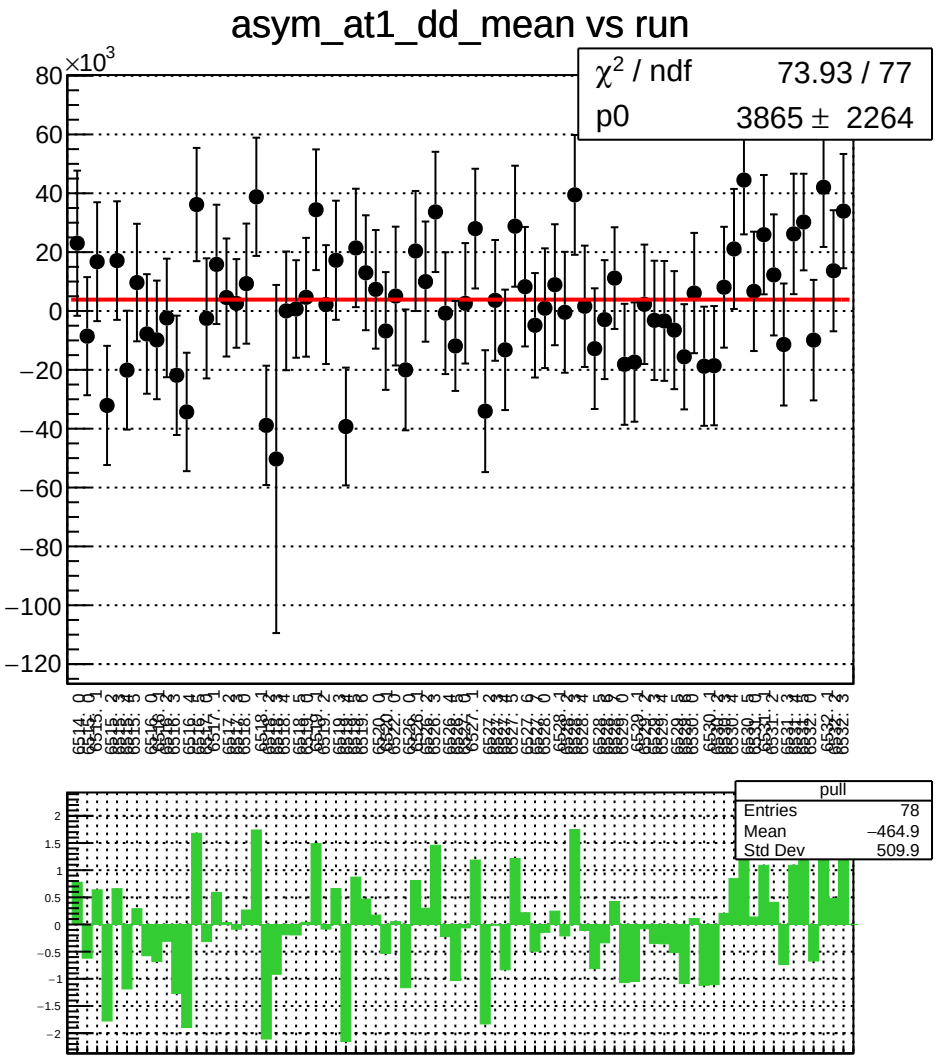

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 77.62 / 77
p0 3497 ± 2188
pull
Entries 78
Mean −537.6
Std Dev 585.7

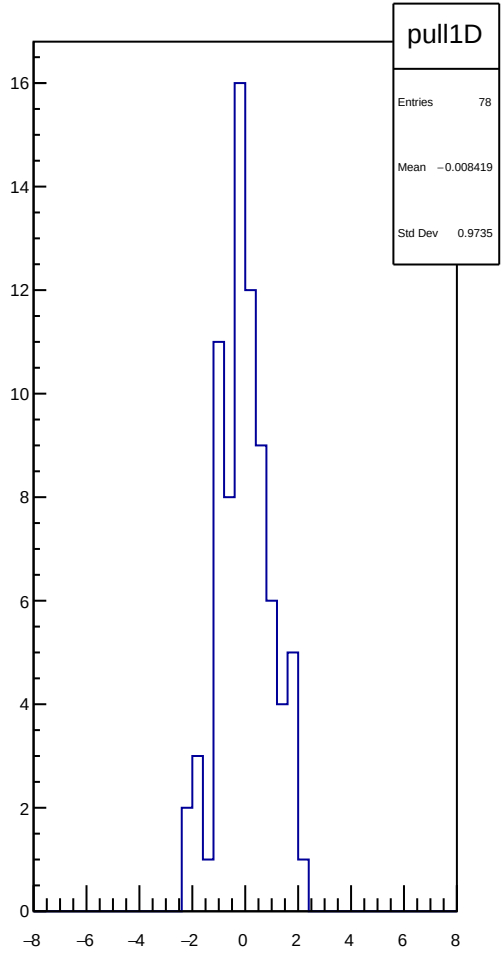

pull1D
Entries 78
Mean −0.005372
Std Dev 0.9975

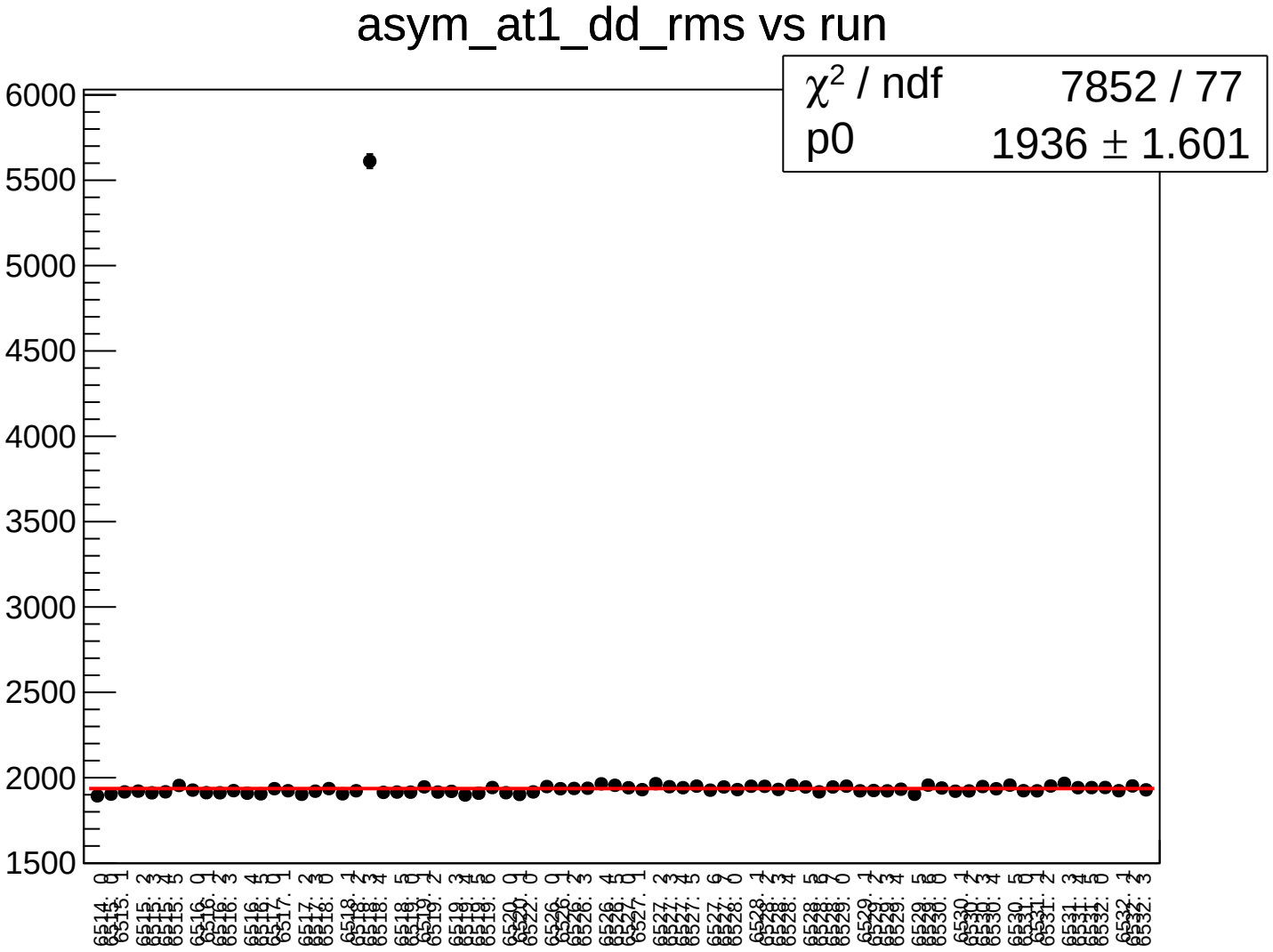

dit_asym_at1_dd_rms vs run
χ2 / ndf 8050 / 77
p0 1871 ± 1.547
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

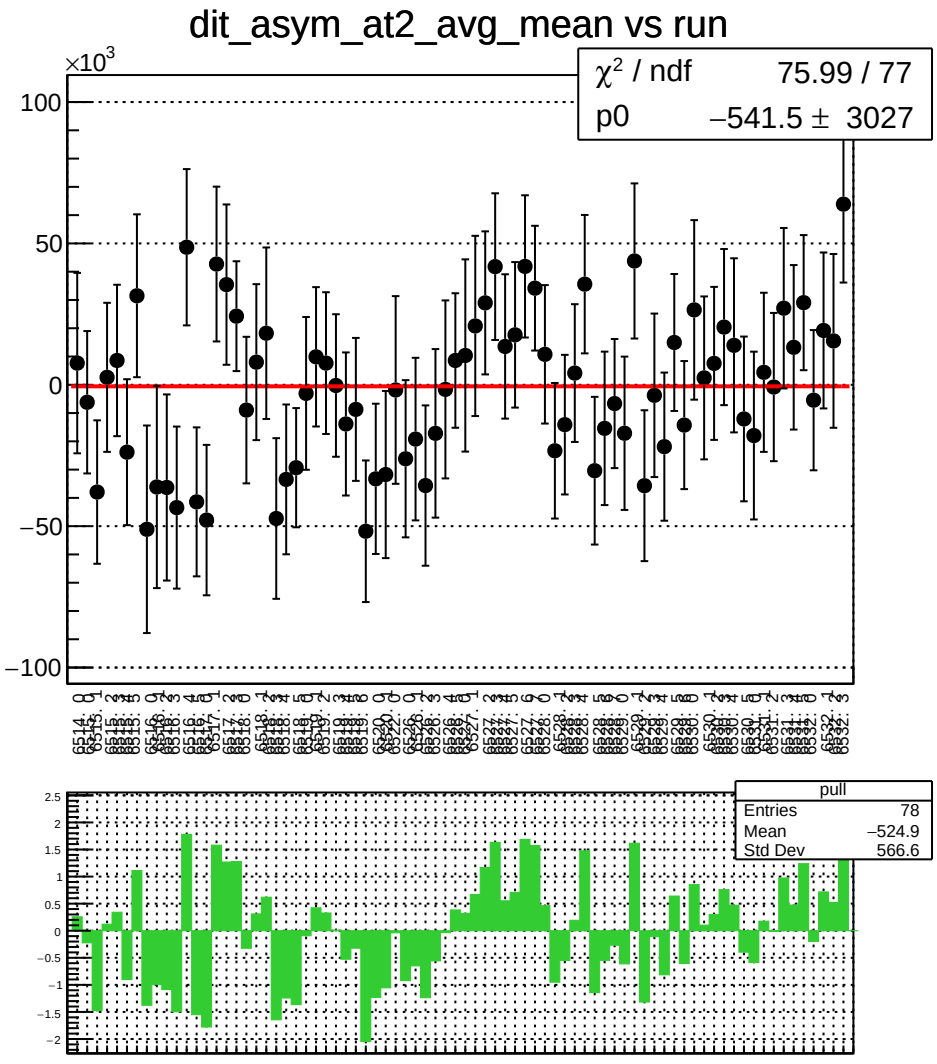

asym_at1_dd_correction_mean vs run
χ² / ndf 68.66 / 77
p0 −246.2 ± 563.6
pull
Entries 78
Mean −1862
Std Dev 1900
pull1D
Entries 78
Mean 0.002686
Std Dev 0.9382

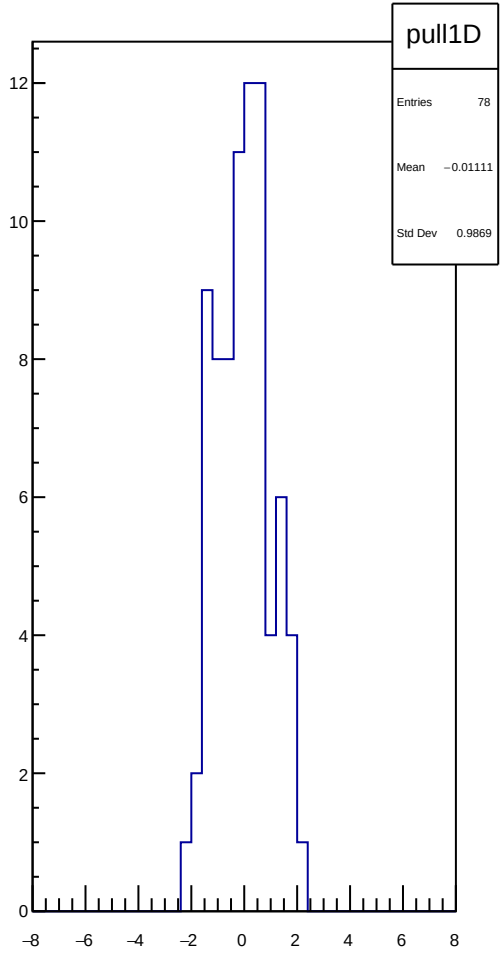

asym_at1_dd_correction_rms vs run
χ² / ndf 2.894e+04 / 77
p0 478.6 ± 0.3985
600
550
500
450
400
350

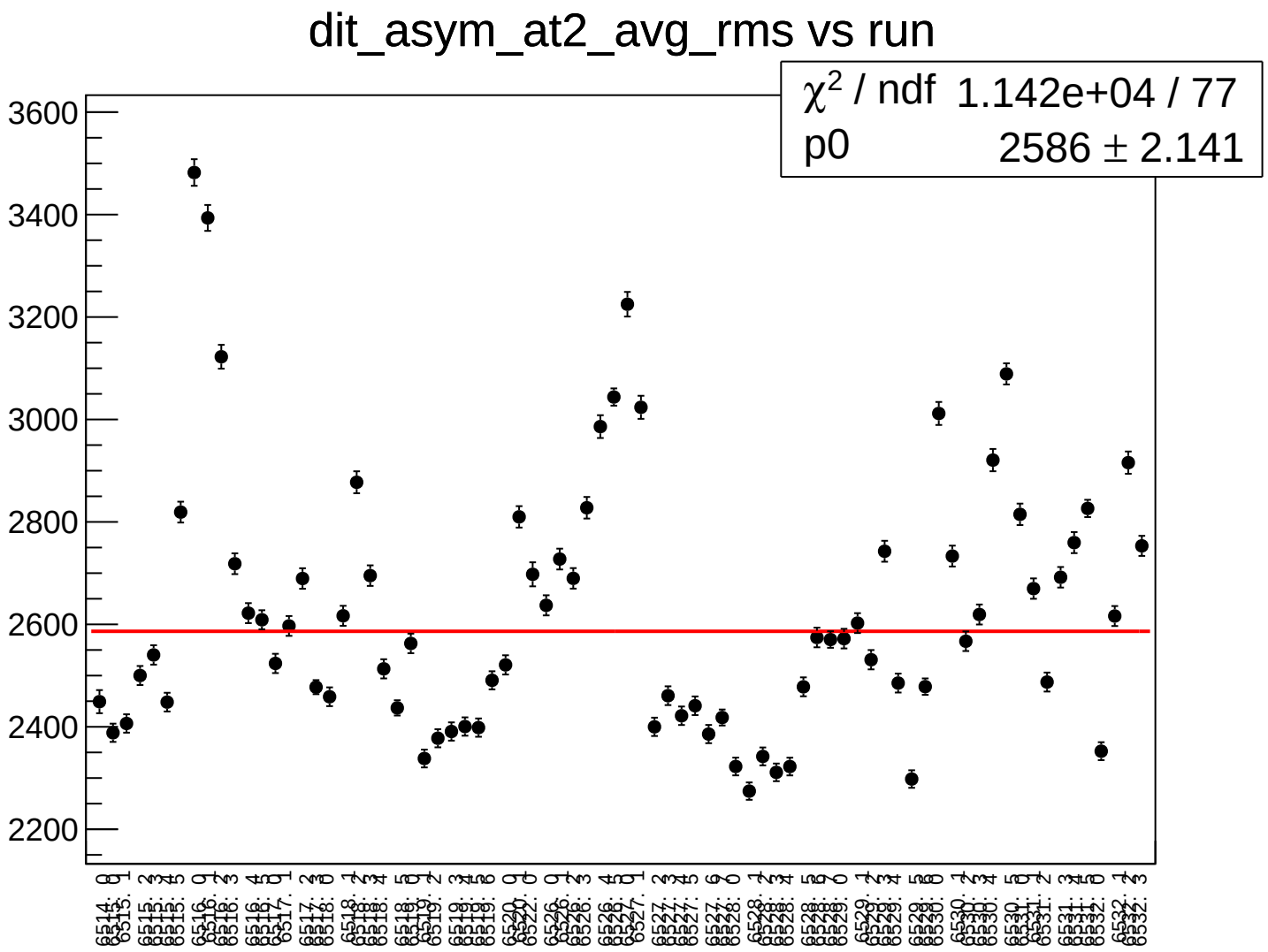

asym_at1_dd_mean vs run
χ^2 / ndf 73.93 / 77
p0 3865 ± 2264
×10^3
pull
Entries 78
Mean −464.9
Std Dev 509.9

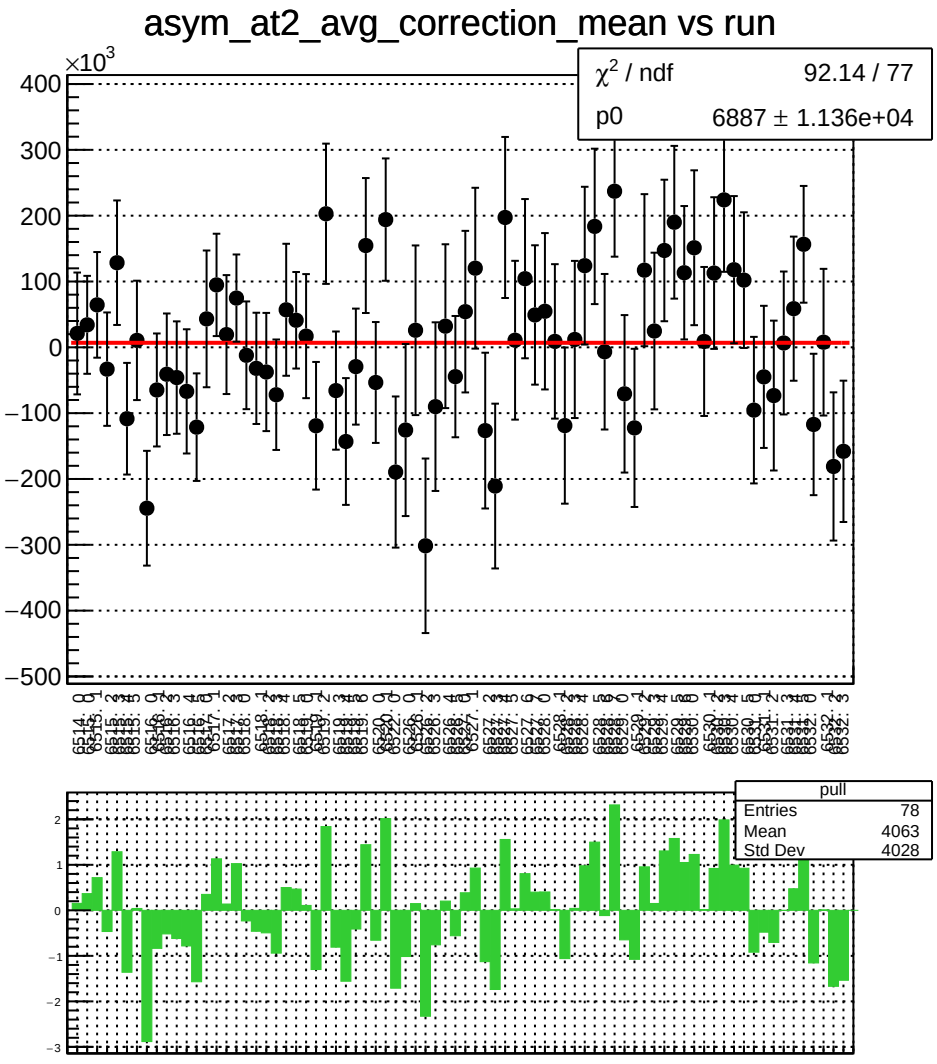

pull1D
Entries 78
Mean −0.008419
Std Dev 0.9735

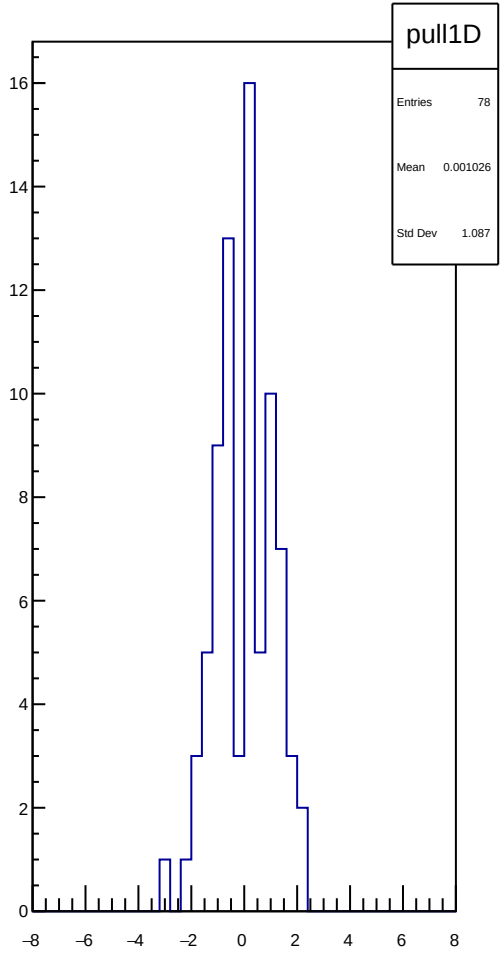

asym_at1_dd_rms vs run
χ² / ndf 7852 / 77
p0 1936 ± 1.601
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 75.99 / 77
p0 −541.5 ± 3027
pull
Entries 78
Mean −524.9
Std Dev 566.6

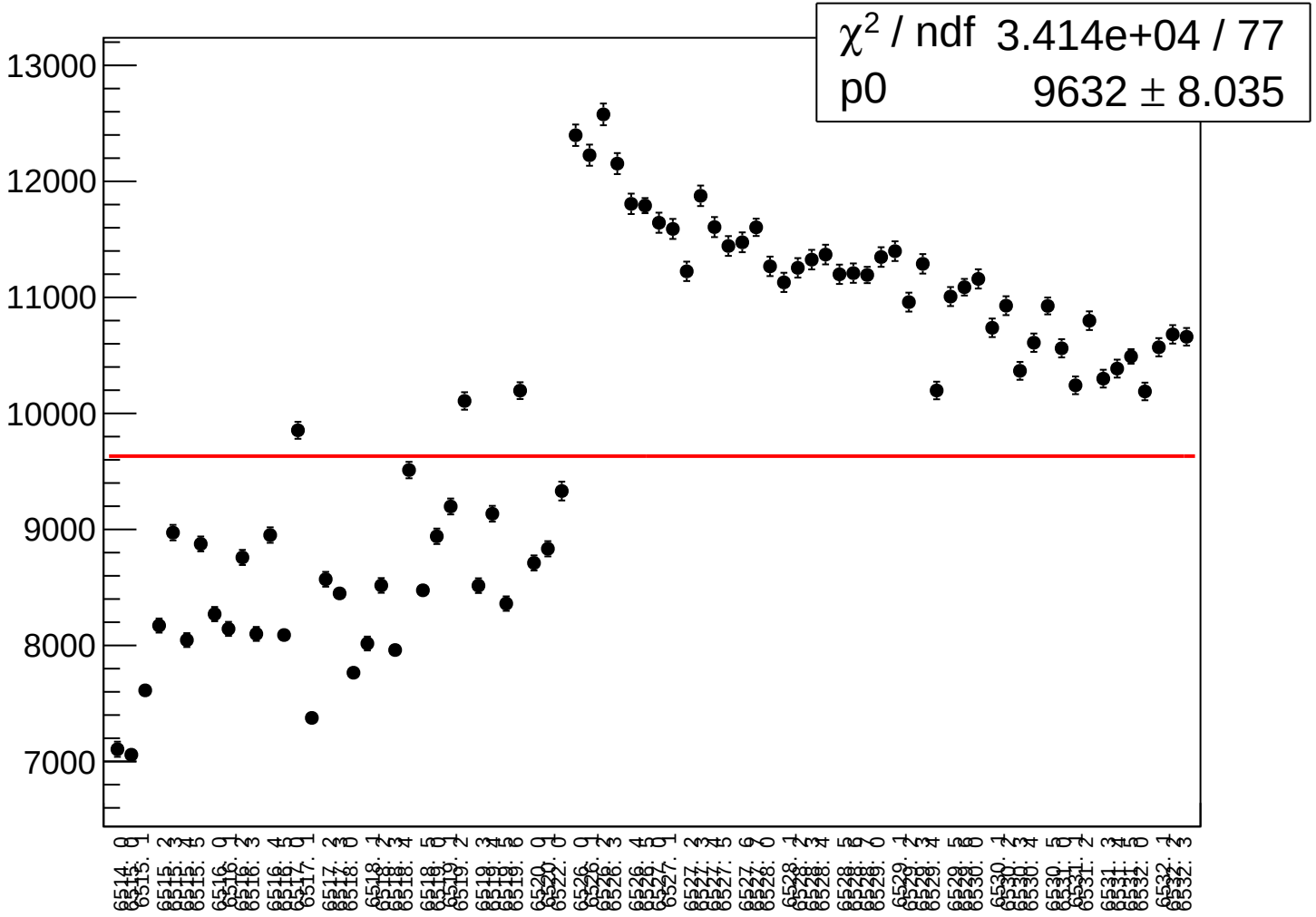

pull1D
Entries 78
Mean −0.01111
Std Dev 0.9869

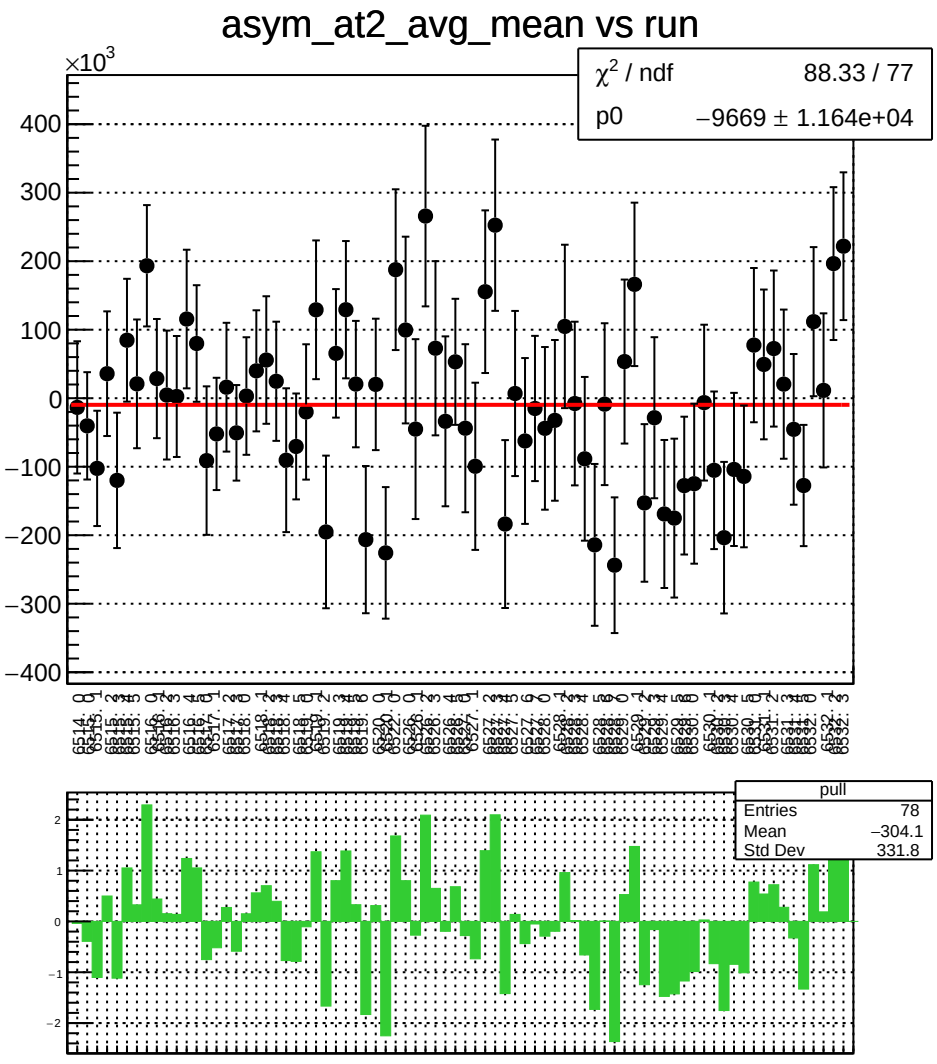

dit_asym_at2_avg_rms vs run
χ2 / ndf 1.142e+04 / 77
p0 2586 ± 2.141
3600
3400
3200
3000
2800
2600
2400
2200

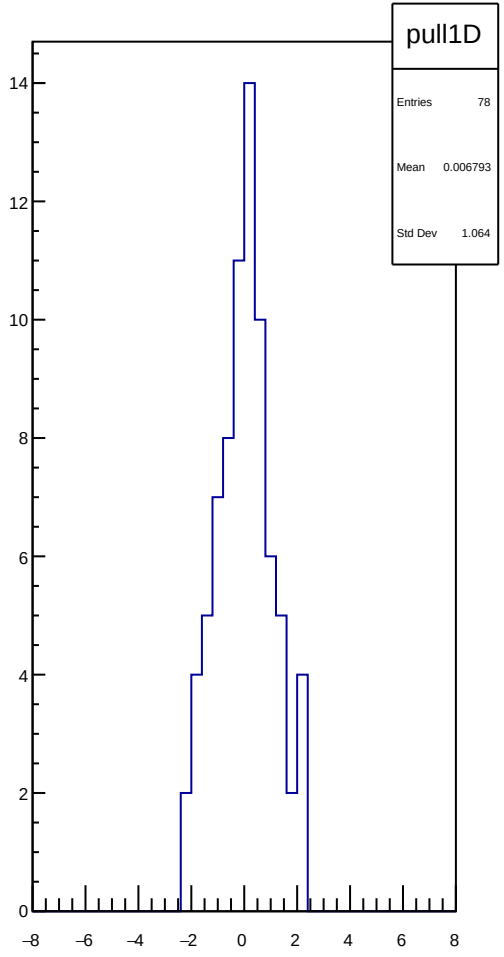

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 92.14 / 77
p0 6887 ± 1.136e+04
pull
Entries 78
Mean 4063
Std Dev 4028

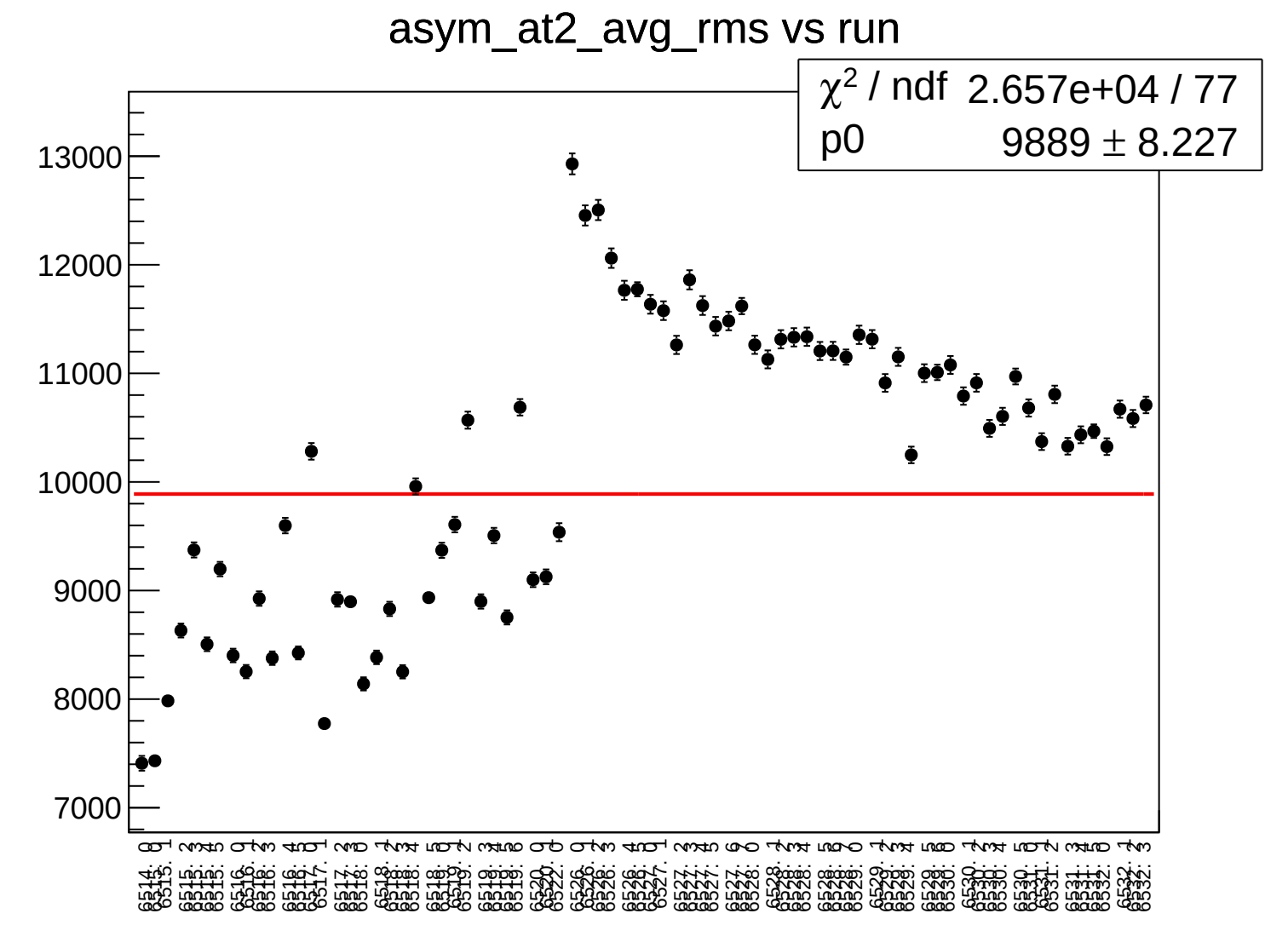

pull1D
Entries 78
Mean 0.001026
Std Dev 1.087

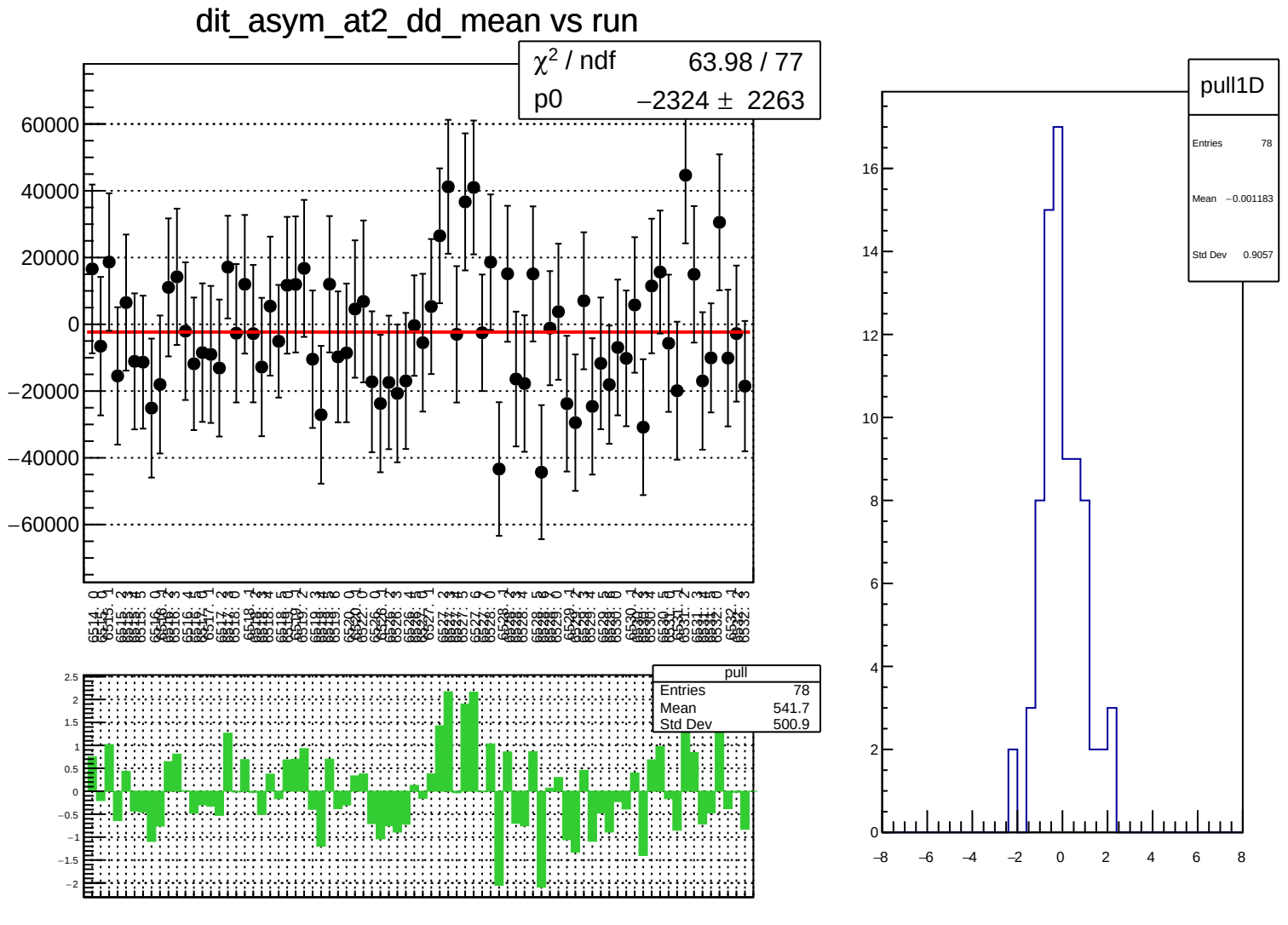
asym_at2_avg_correction_rms vs run

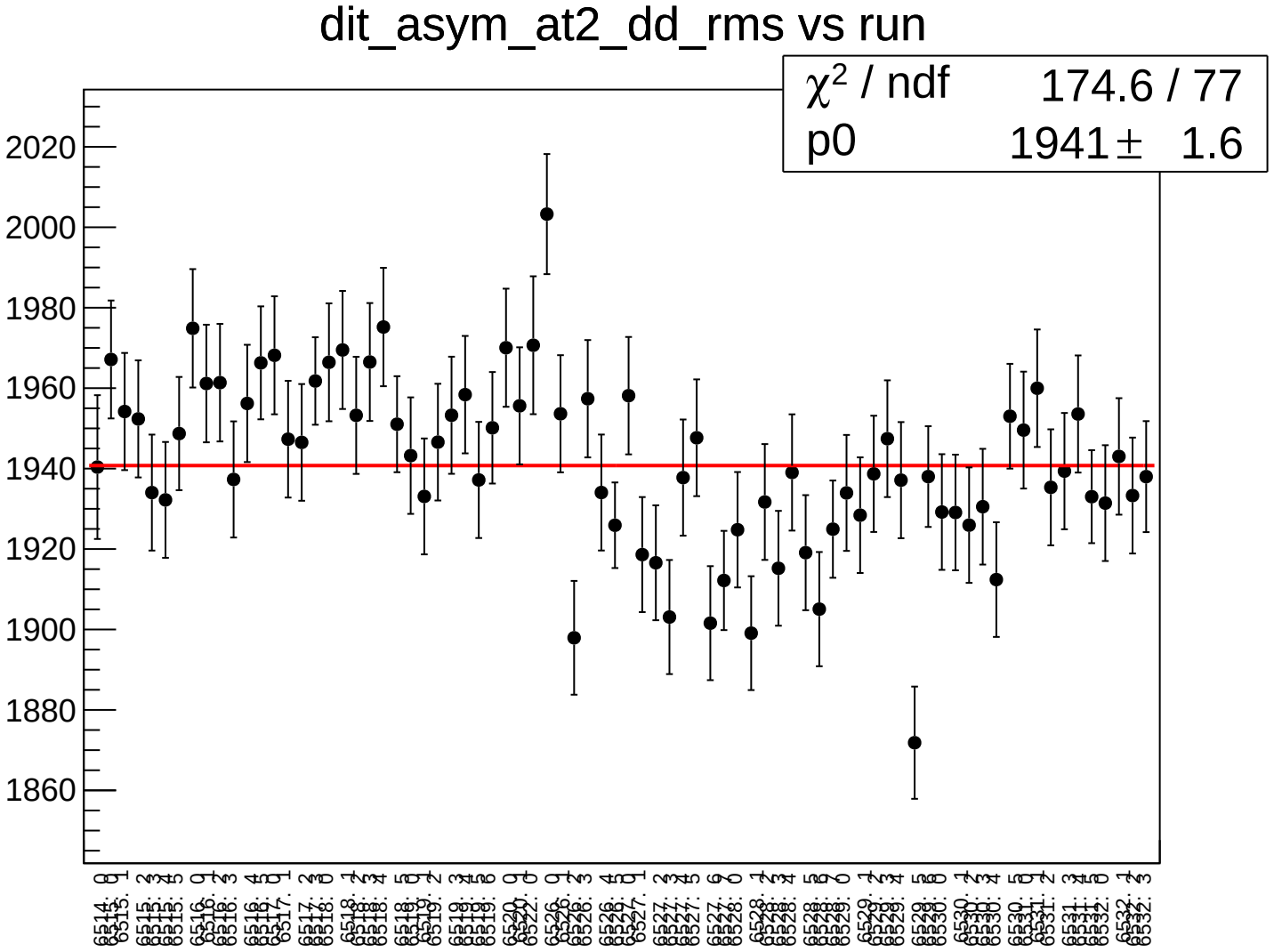


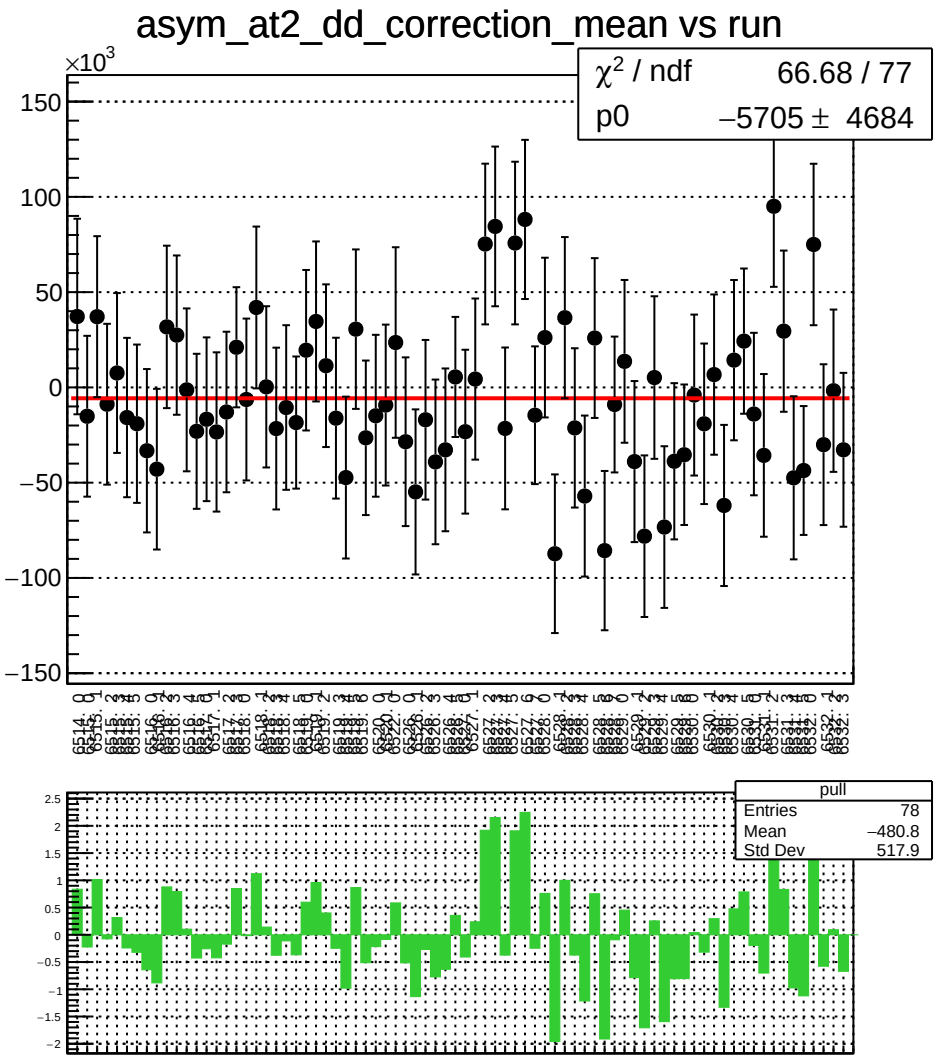

asym_at2_avg_mean vs run
×10^3
χ² / ndf 88.33 / 77
p0 −9669 ± 1.164e+04
pull
Entries 78
Mean −304.1
Std Dev 331.8

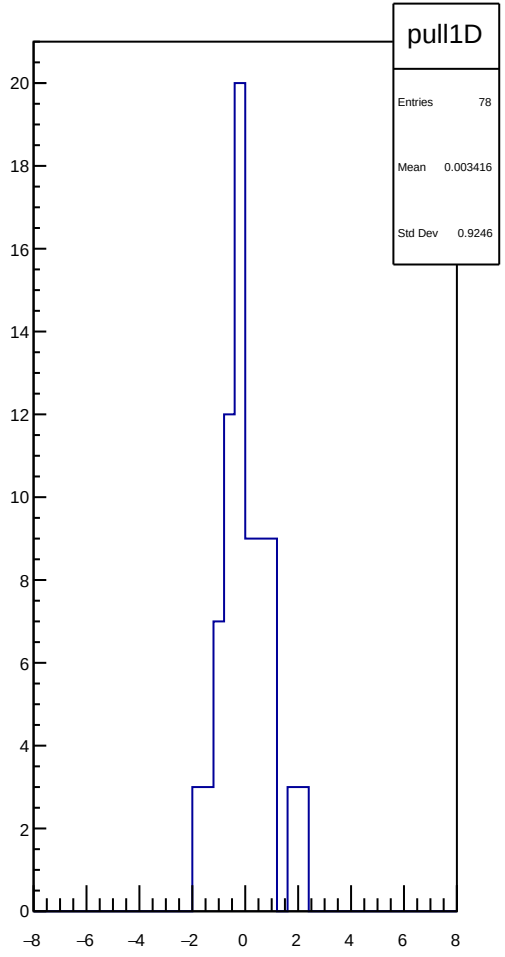

pull1D
Entries 78
Mean 0.006793
Std Dev 1.064

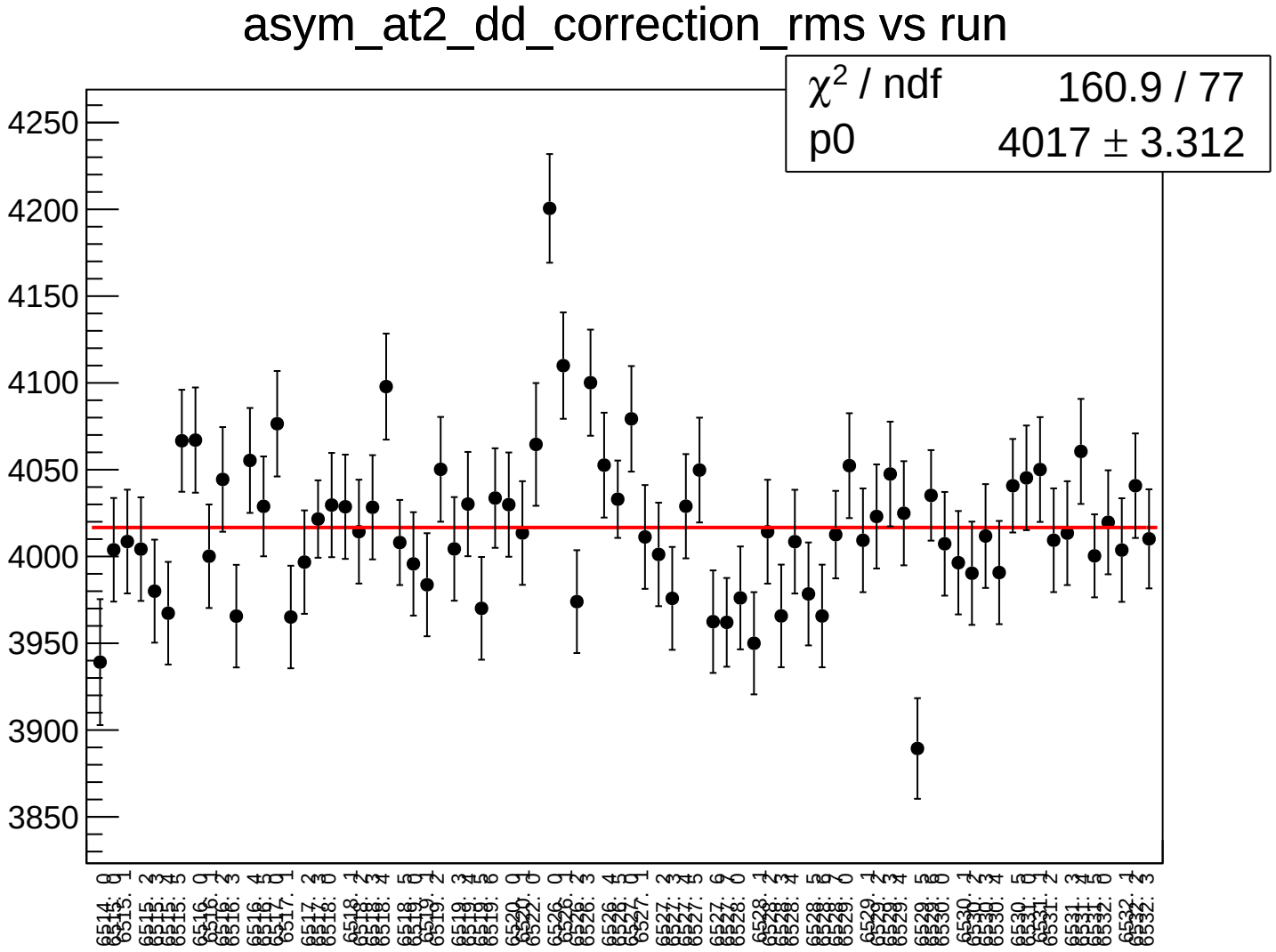

asym_at2_avg_rms vs run
χ² / ndf 2.657e+04 / 77
p0 9889 ± 8.227
13000
12000
11000
10000
9000
8000
7000

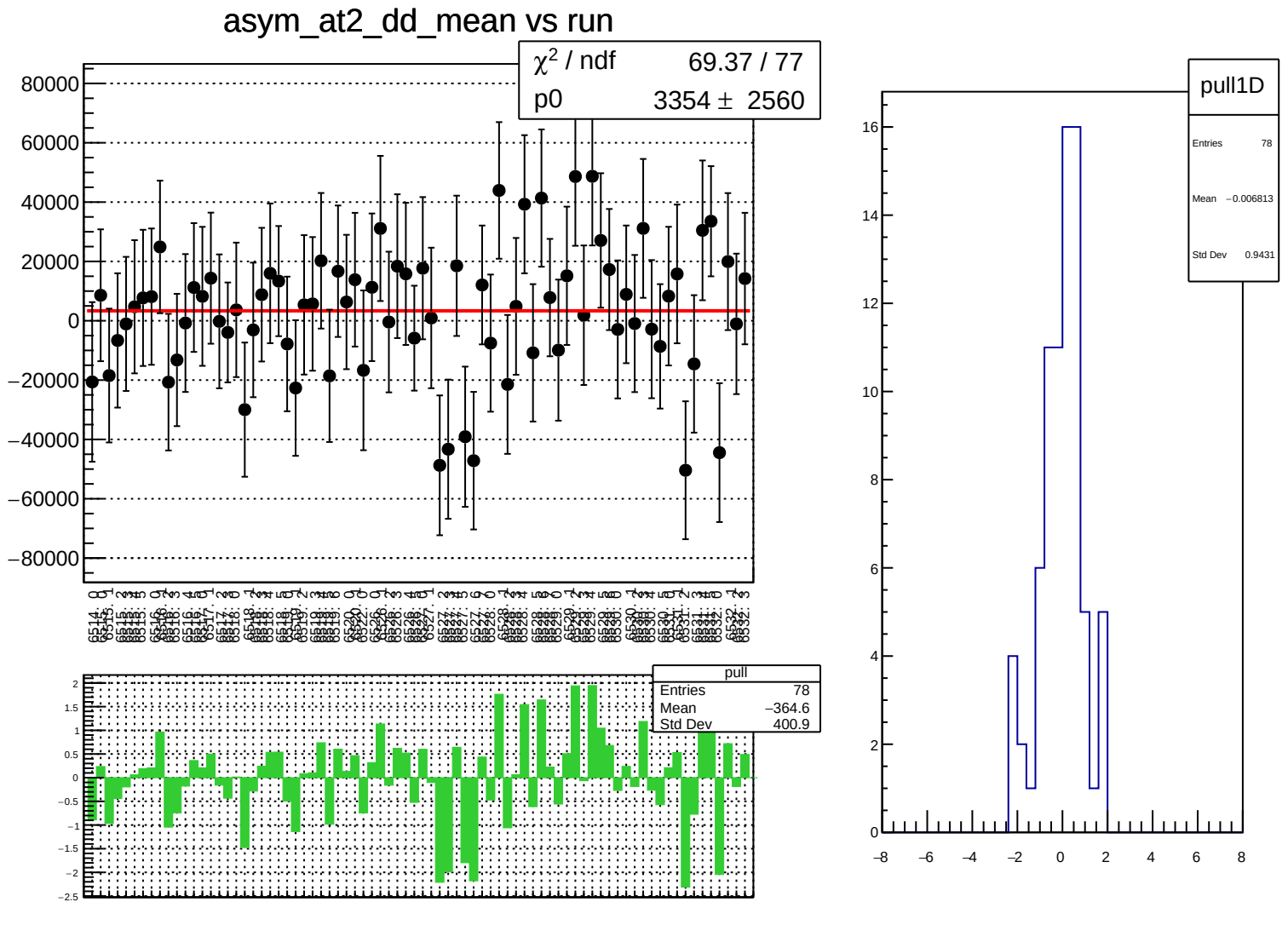

dit_asym_at2_dd_mean vs run
χ² / ndf 63.98 / 77
p0 −2324 ± 2263
pull
Entries 78
Mean 541.7
Std Dev 500.9
pull1D
Entries 78
Mean −0.001183
Std Dev 0.9057

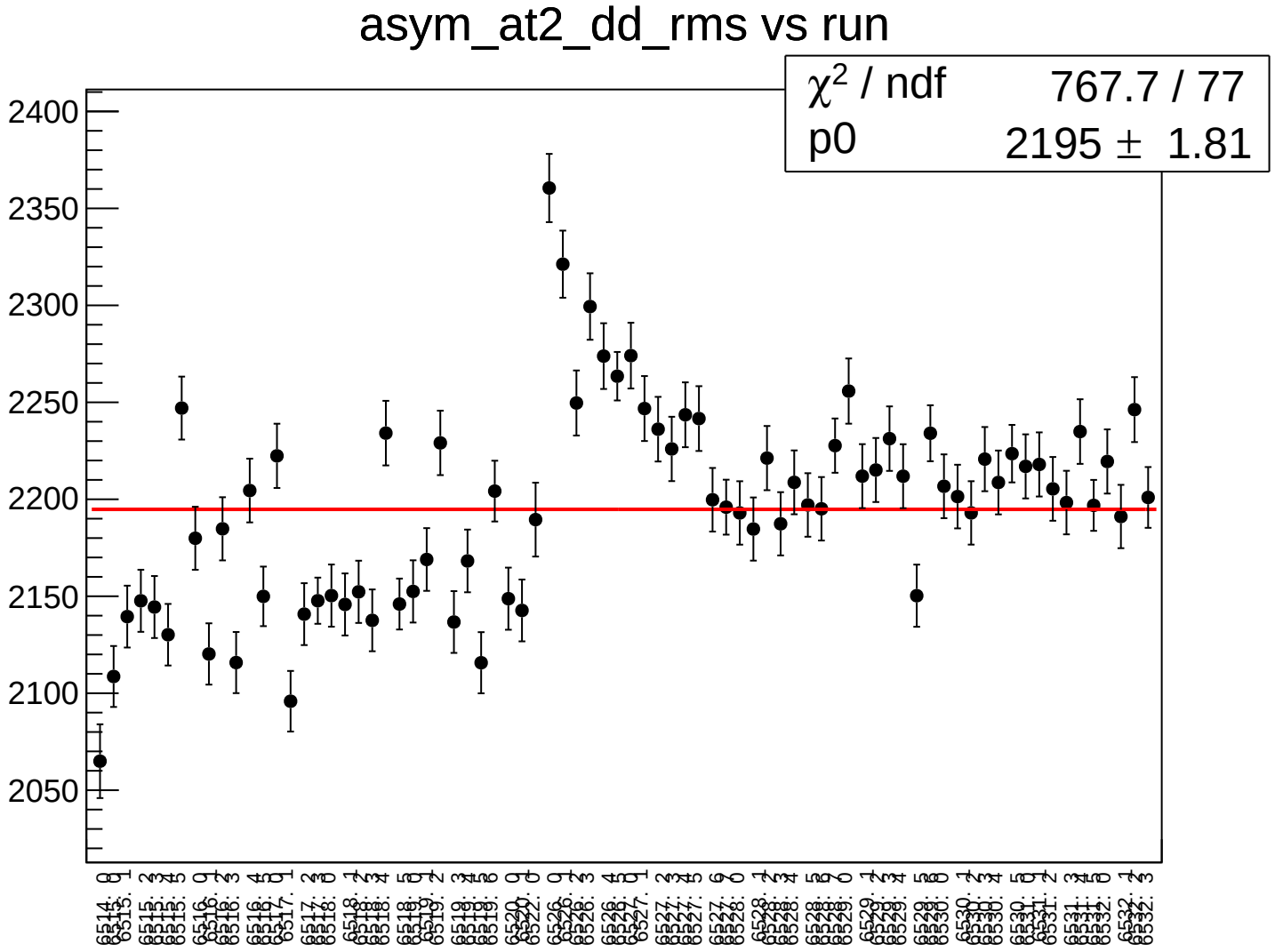

dit_asym_at2_dd_rms vs run
χ² / ndf 174.6 / 77
p0 1941 ± 1.6
2020
2000
1980
1960
1940
1920
1900
1880
1860

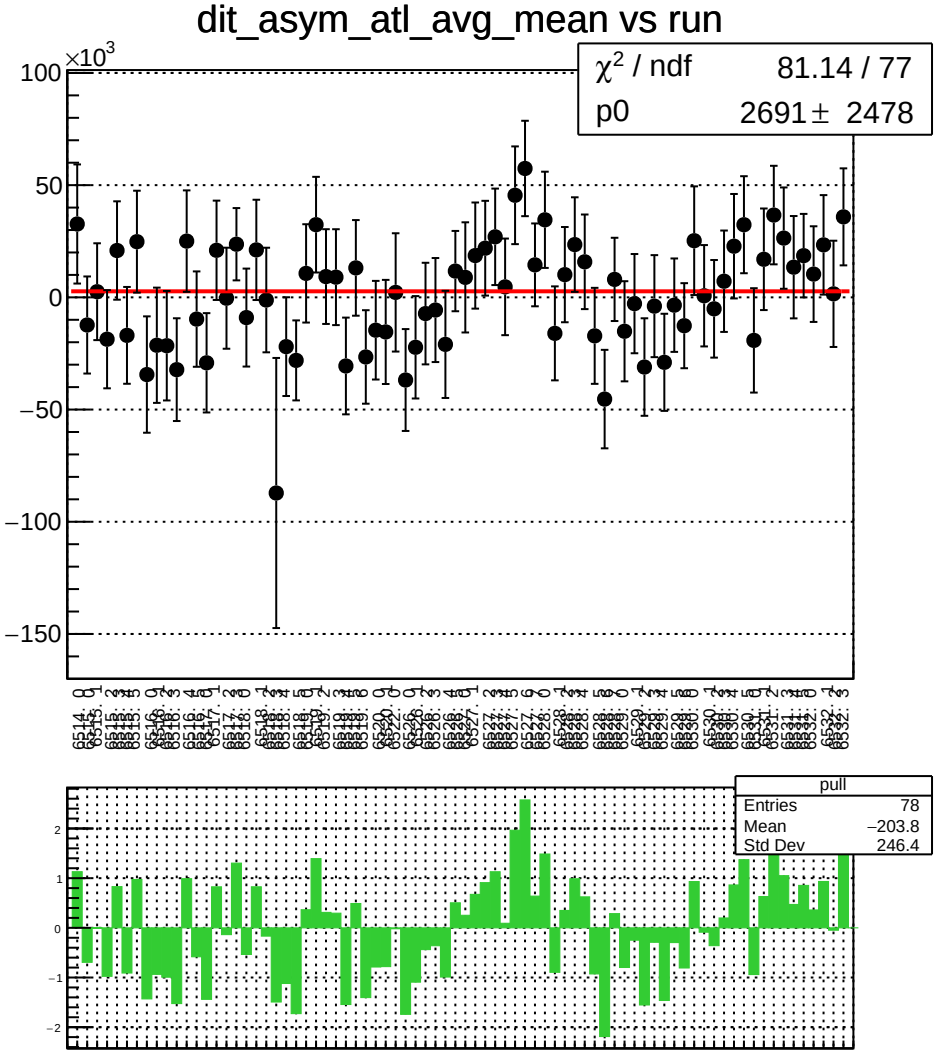

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 66.68 / 77
p0 −5705 ± 4684
pull
Entries 78
Mean −480.8
Std Dev 517.9

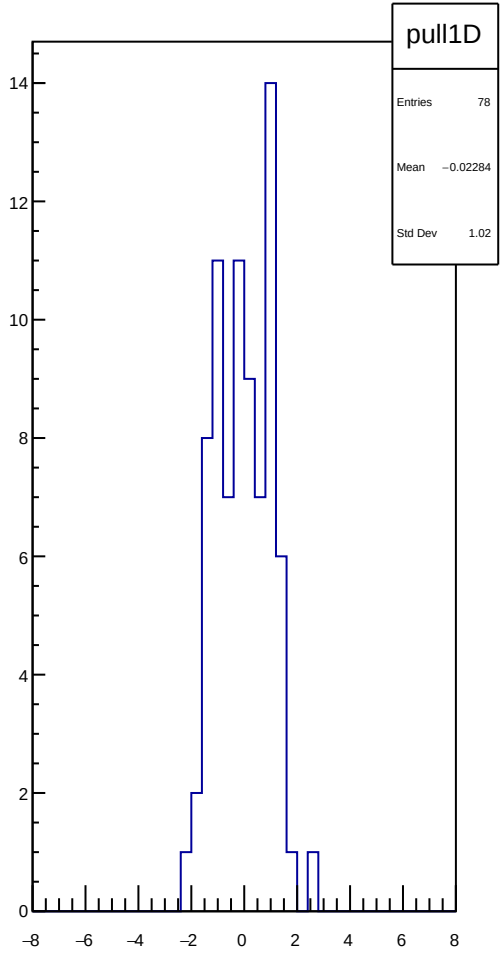

pull1D
Entries 78
Mean 0.003416
Std Dev 0.9246

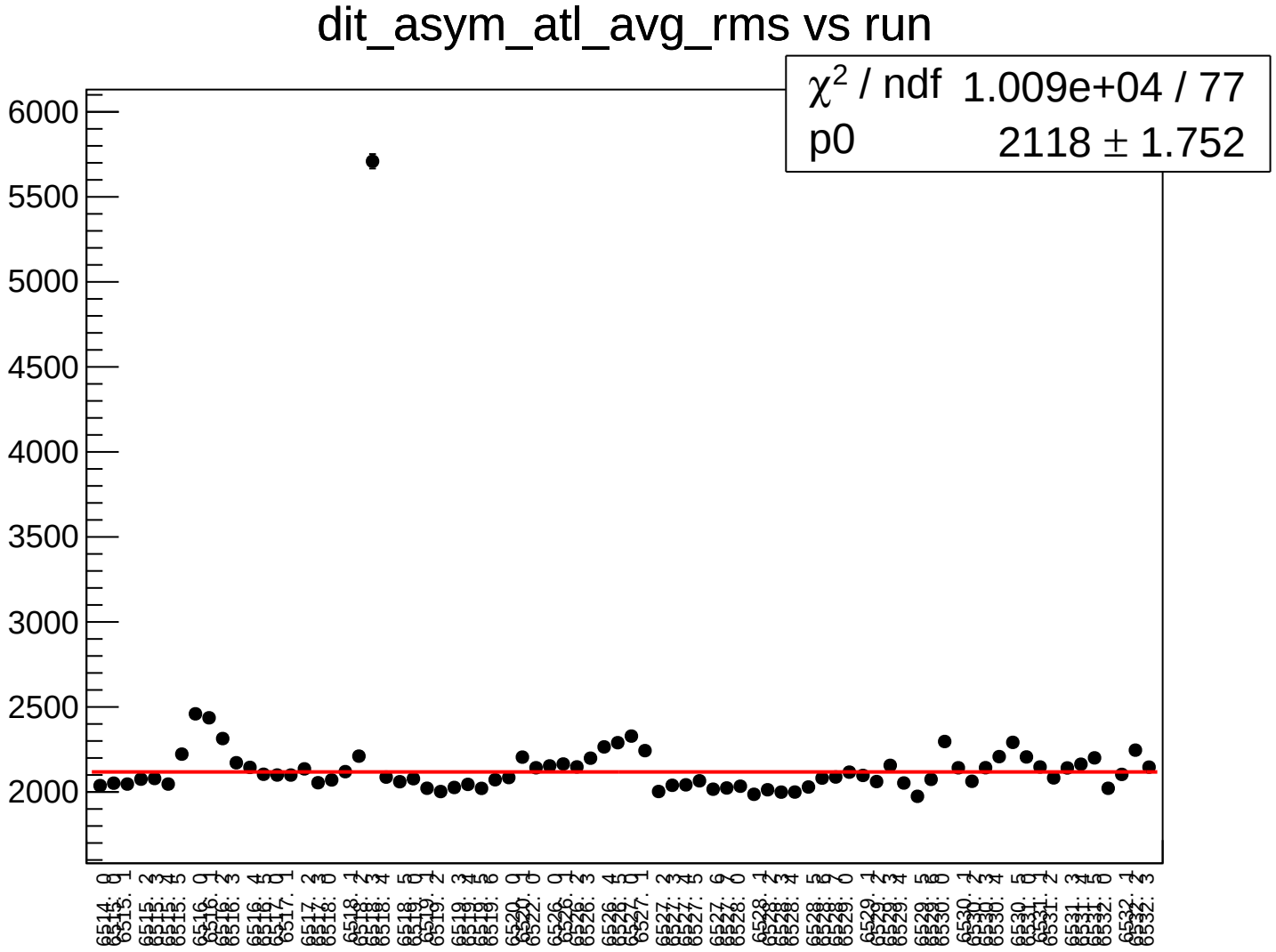

asym_at2_dd_correction_rms vs run
χ² / ndf 160.9 / 77
p0 4017 ± 3.312
4250
4200
4150
4100
4050
4000
3950
3900
3850

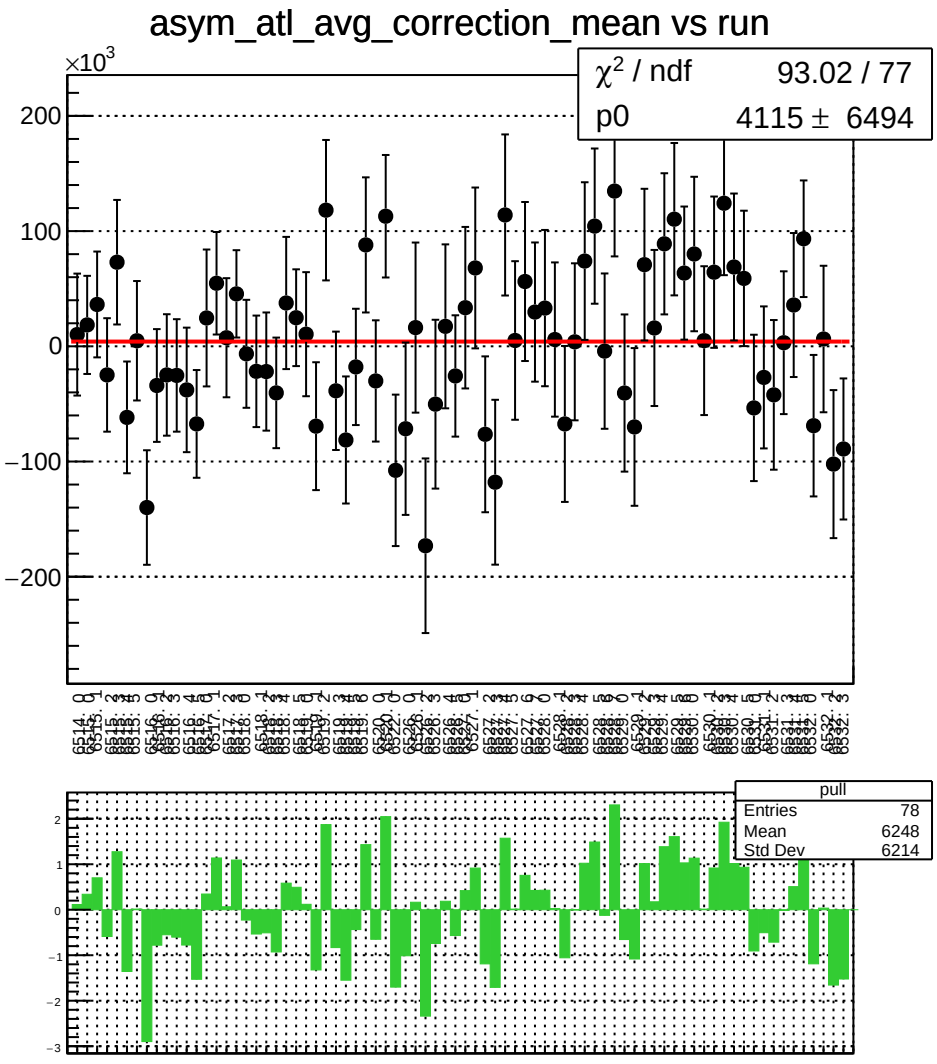

asym_at2_dd_mean vs run
χ² / ndf 69.37 / 77
p0 3354 ± 2560
pull
Entries 78
Mean −364.6
Std Dev 400.9
pull1D
Entries 78
Mean −0.006813
Std Dev 0.9431

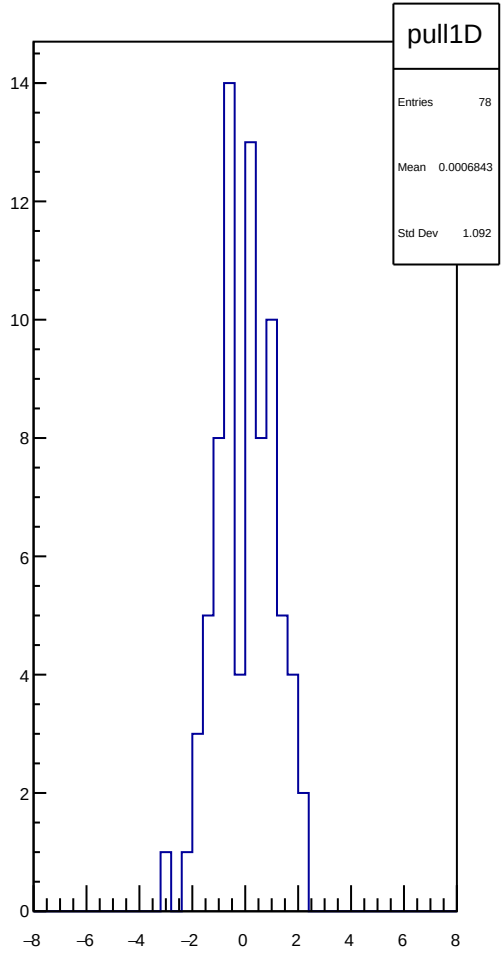

asym_at2_dd_rms vs run
χ2 / ndf 767.7 / 77
p0 2195 ± 1.81
2400
2350
2300
2250
2200
2150
2100
2050

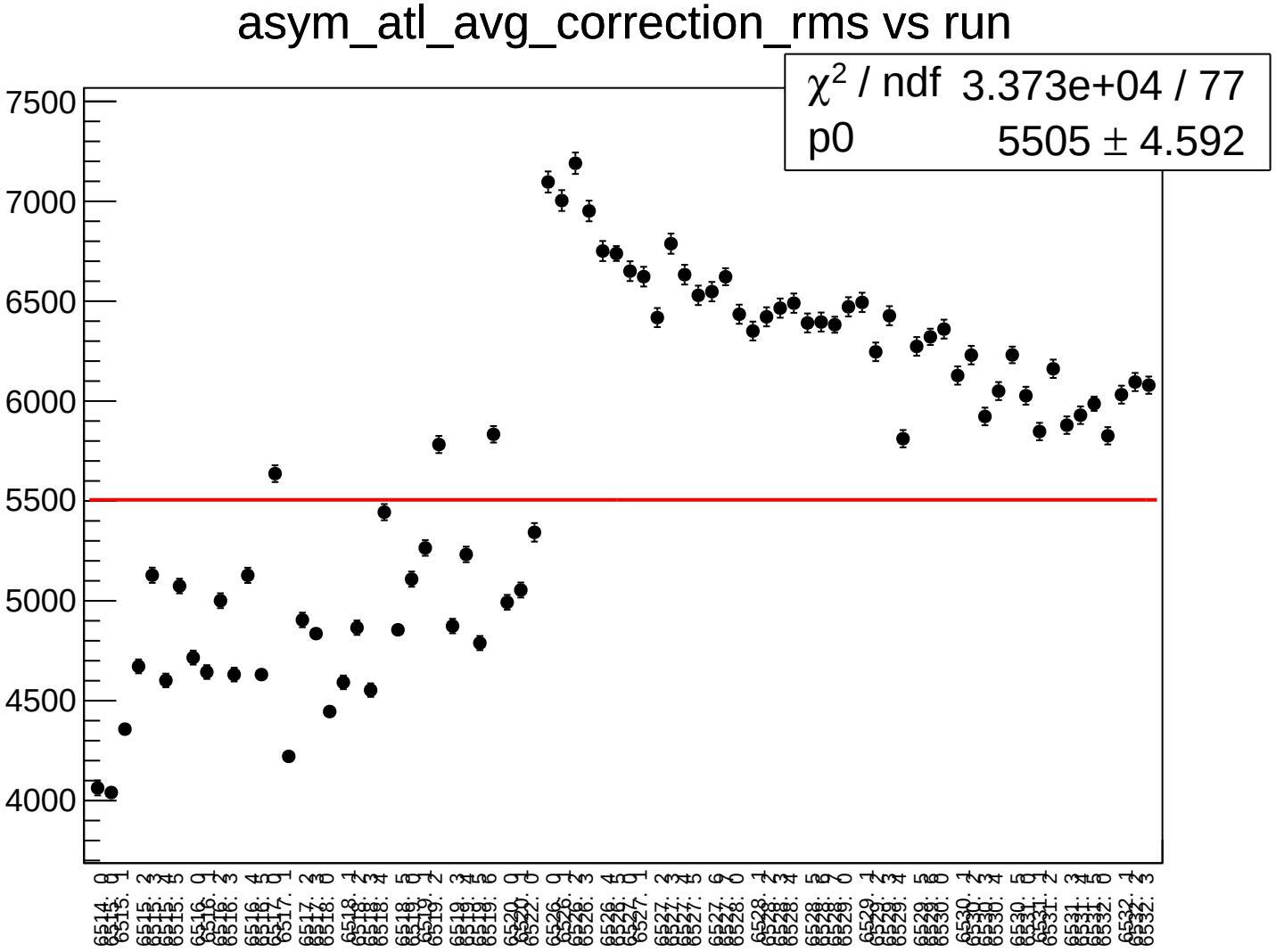

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 81.14 / 77
p0 2691 ± 2478
pull
Entries 78
Mean −203.8
Std Dev 246.4

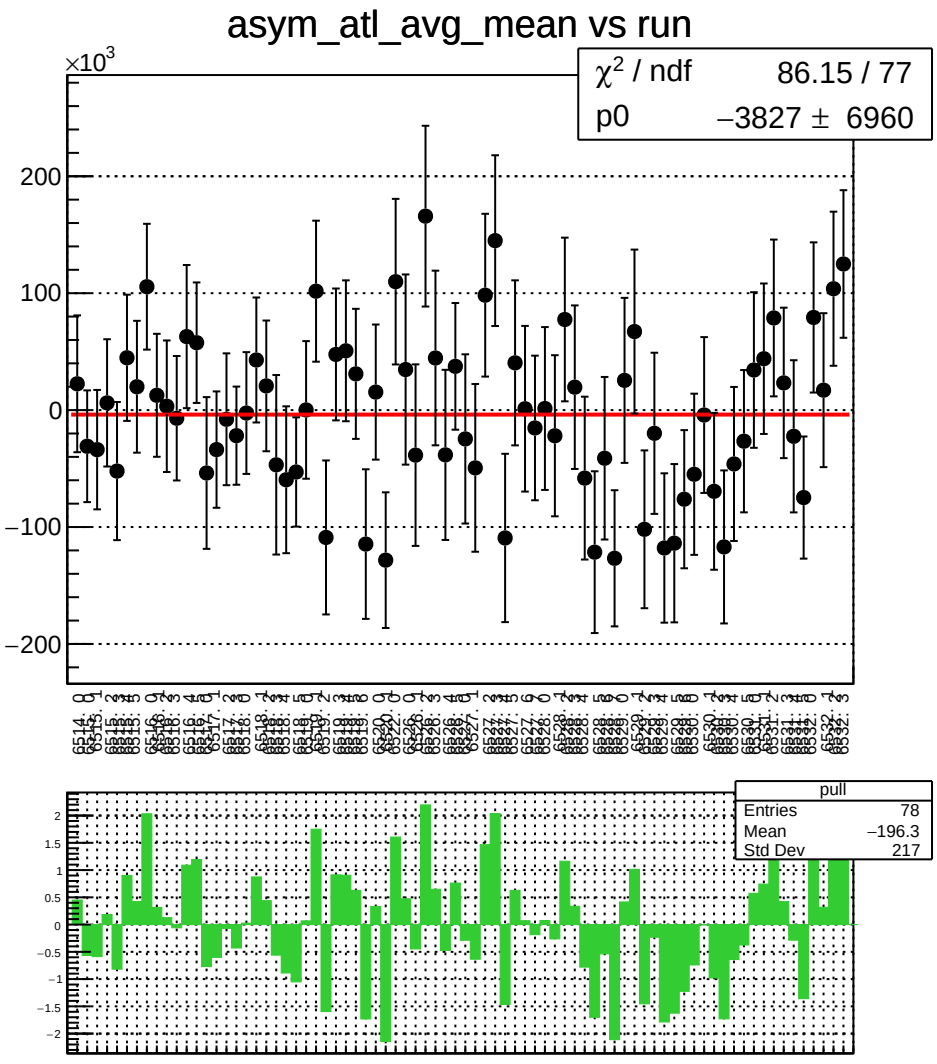

pull1D
Entries 78
Mean −0.02284
Std Dev 1.02

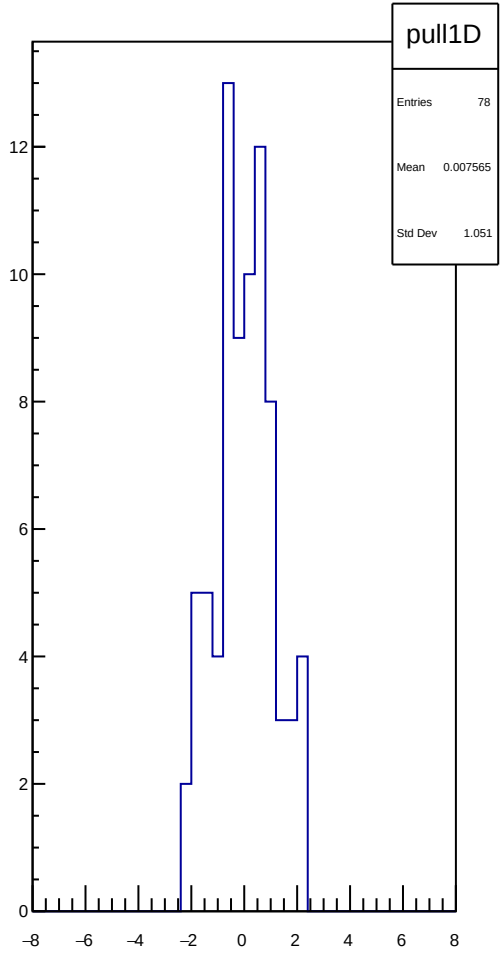

dit_asym_atl_avg_rms vs run
χ² / ndf 1.009e+04 / 77
p0 2118 ± 1.752
6000
5500
5000
4500
4000
3500
3000
2500
2000

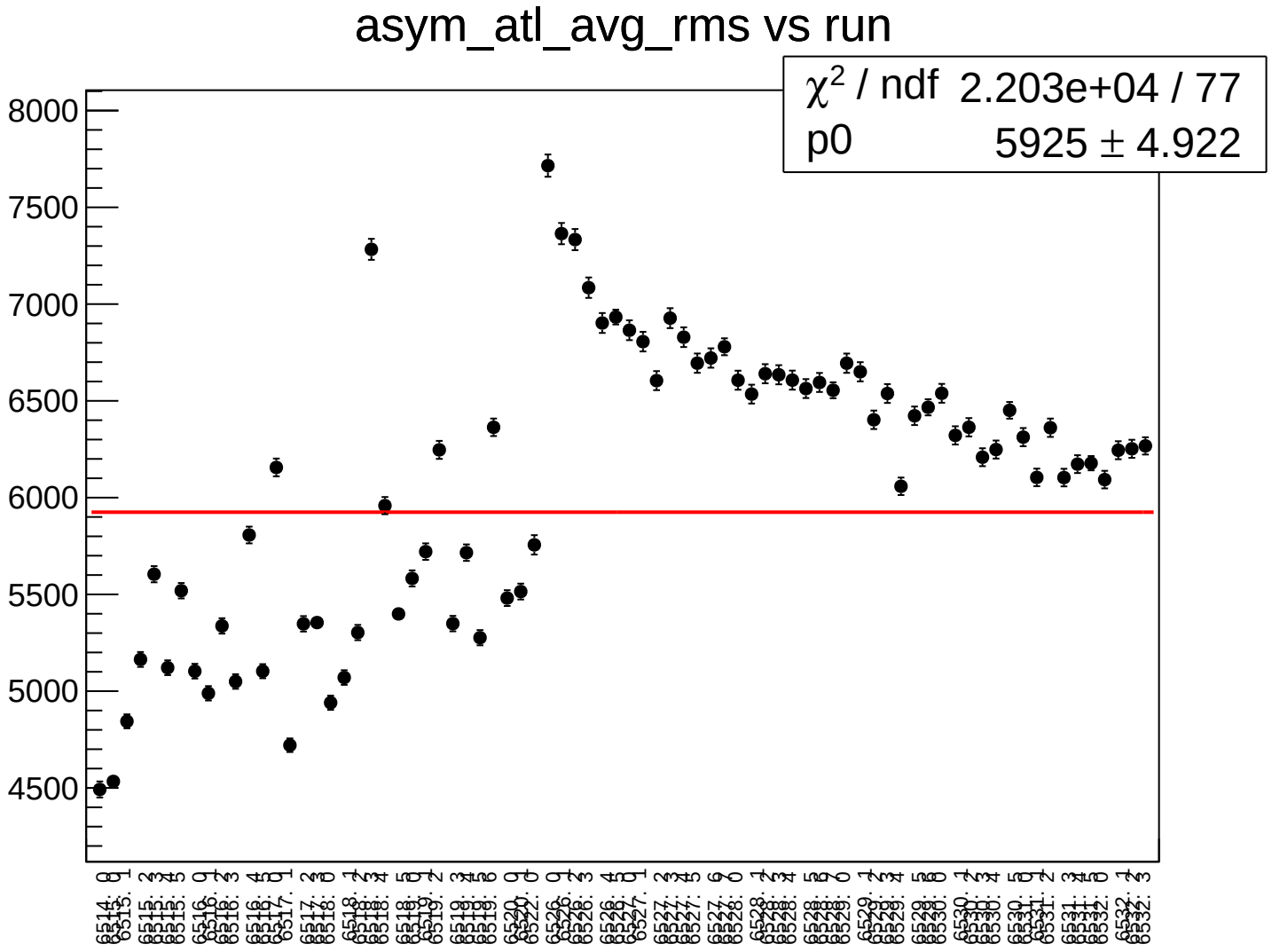

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 93.02 / 77
p0 4115 ± 6494
pull
Entries 78
Mean 6248
Std Dev 6214

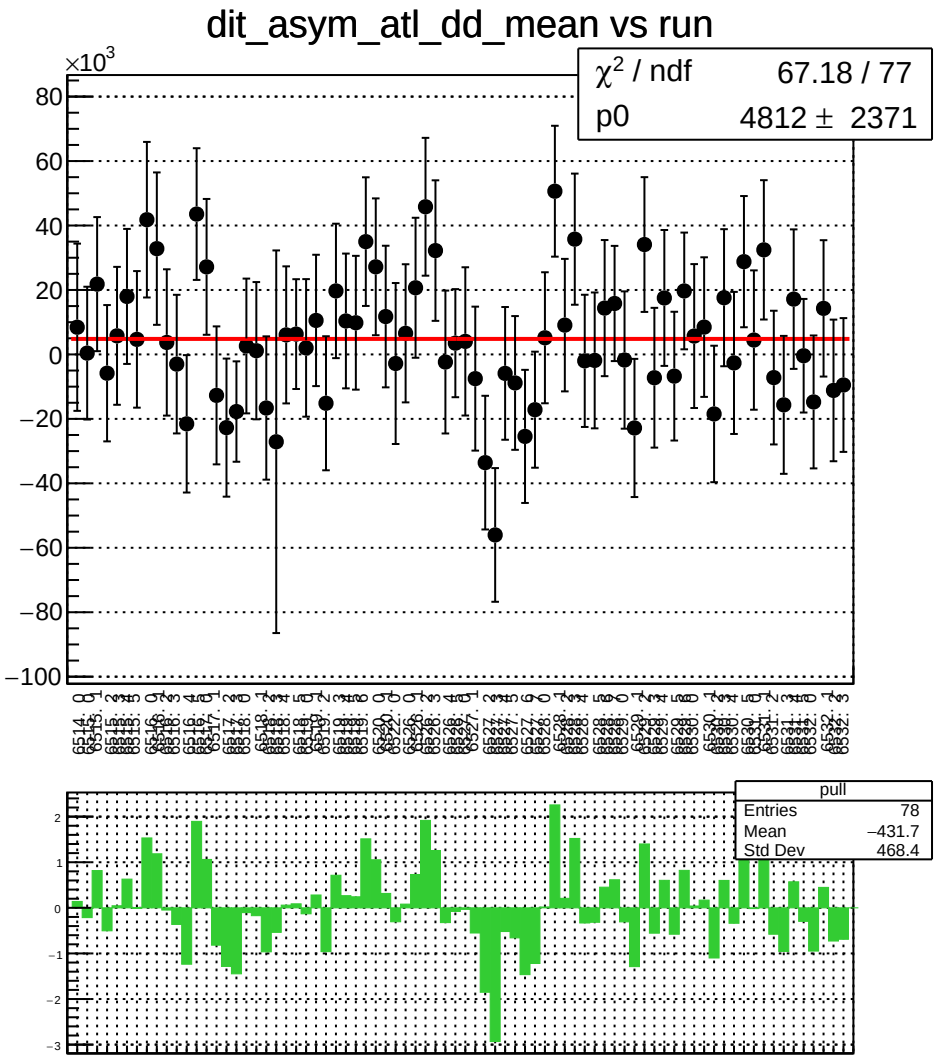

pull1D
Entries 78
Mean 0.0006843
Std Dev 1.092

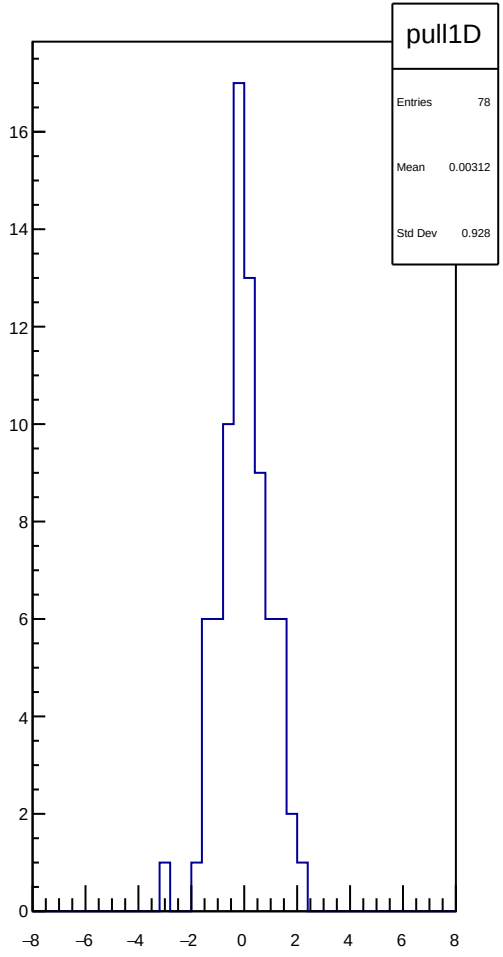

asym_atl_avg_correction_rms vs run
χ^2 / ndf 3.373e+04 / 77
p0 5505 ± 4.592
7500
7000
6500
6000
5500
5000
4500
4000

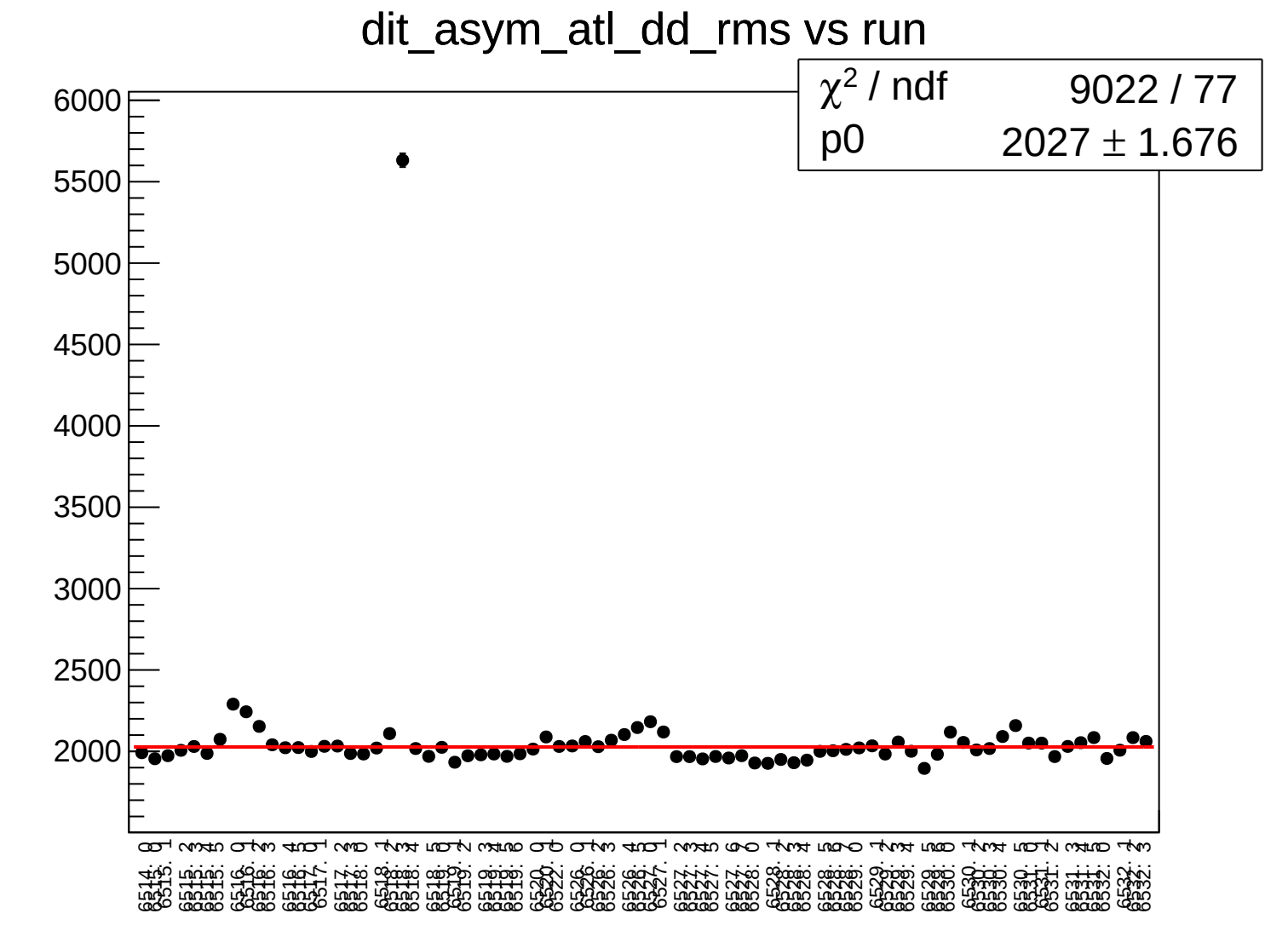

asym_atl_avg_mean vs run
×10^3
χ² / ndf 86.15 / 77
p0 −3827 ± 6960
200
100
0
−100
−200
pull
Entries 78
Mean −196.3
Std Dev 217
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

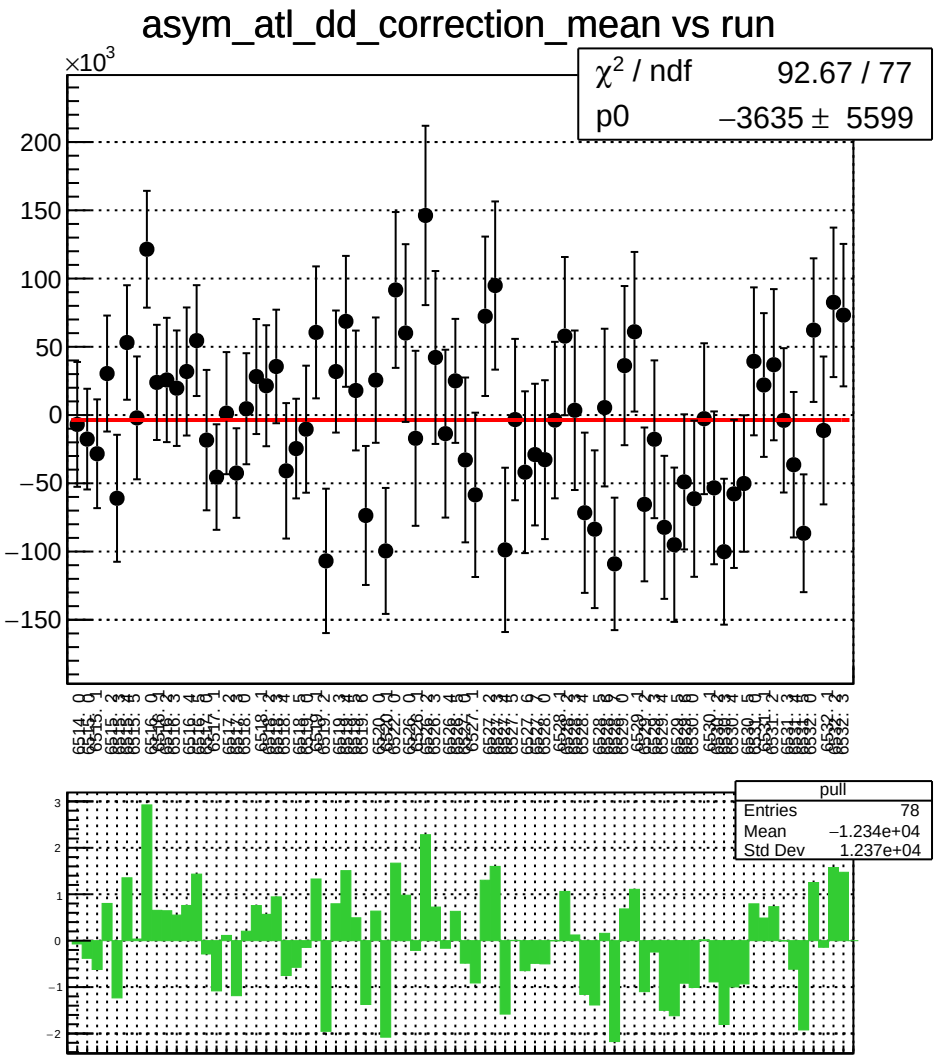

pull1D
Entries 78
Mean 0.007565
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

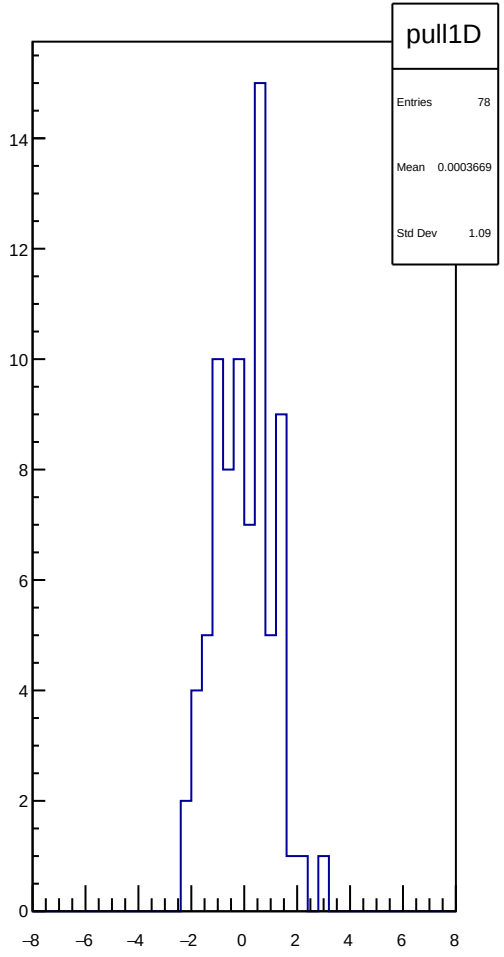

asym_atl_avg_rms vs run
χ^2 / ndf 2.203e+04 / 77
p0 5925 ± 4.922
8000
7500
7000
6500
6000
5500
5000
4500

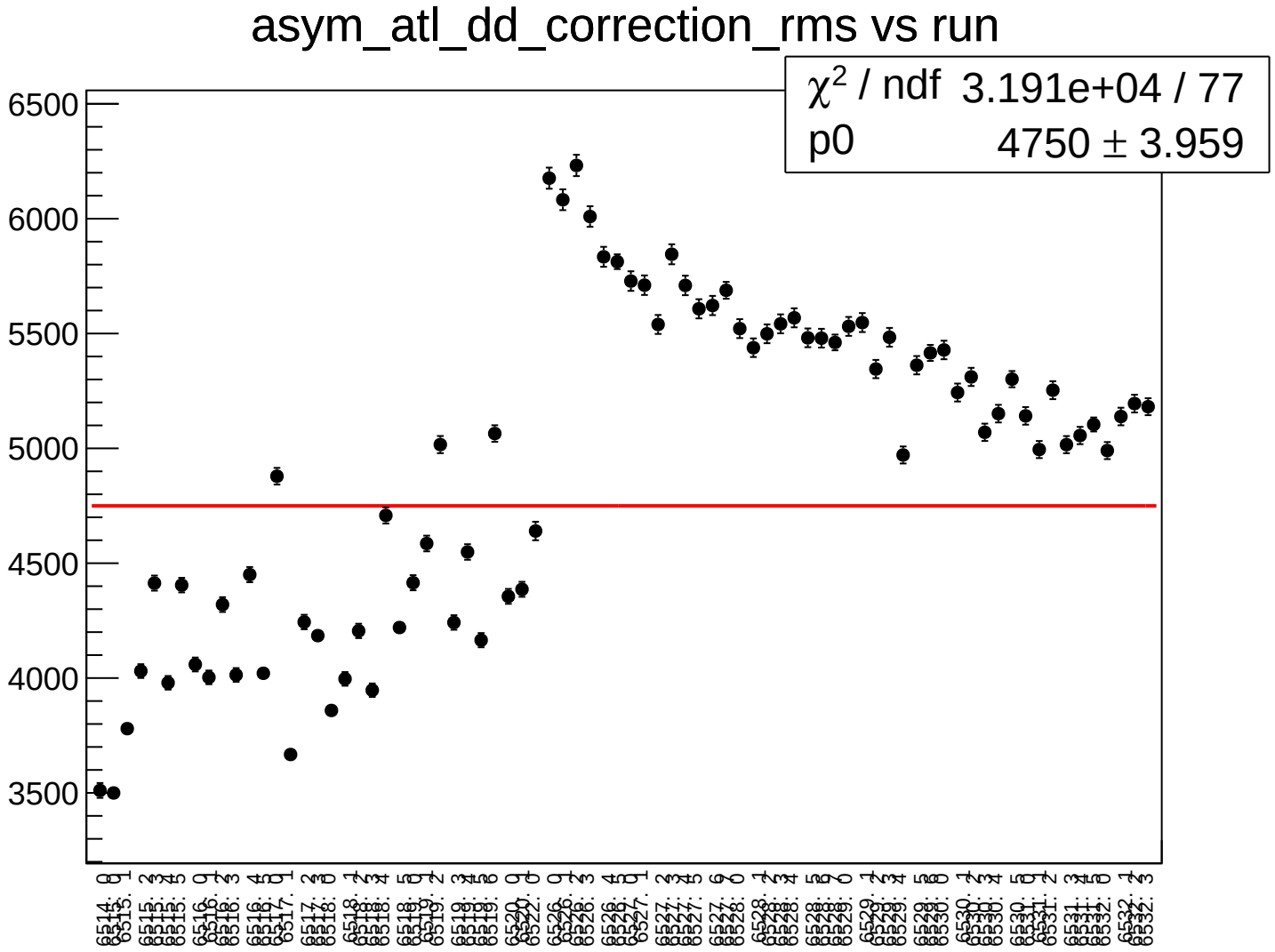

dit_asym_atl_dd_mean vs run
χ^2 / ndf 67.18 / 77
p0 4812 ± 2371
×10^3
pull
Entries 78
Mean −431.7
Std Dev 468.4

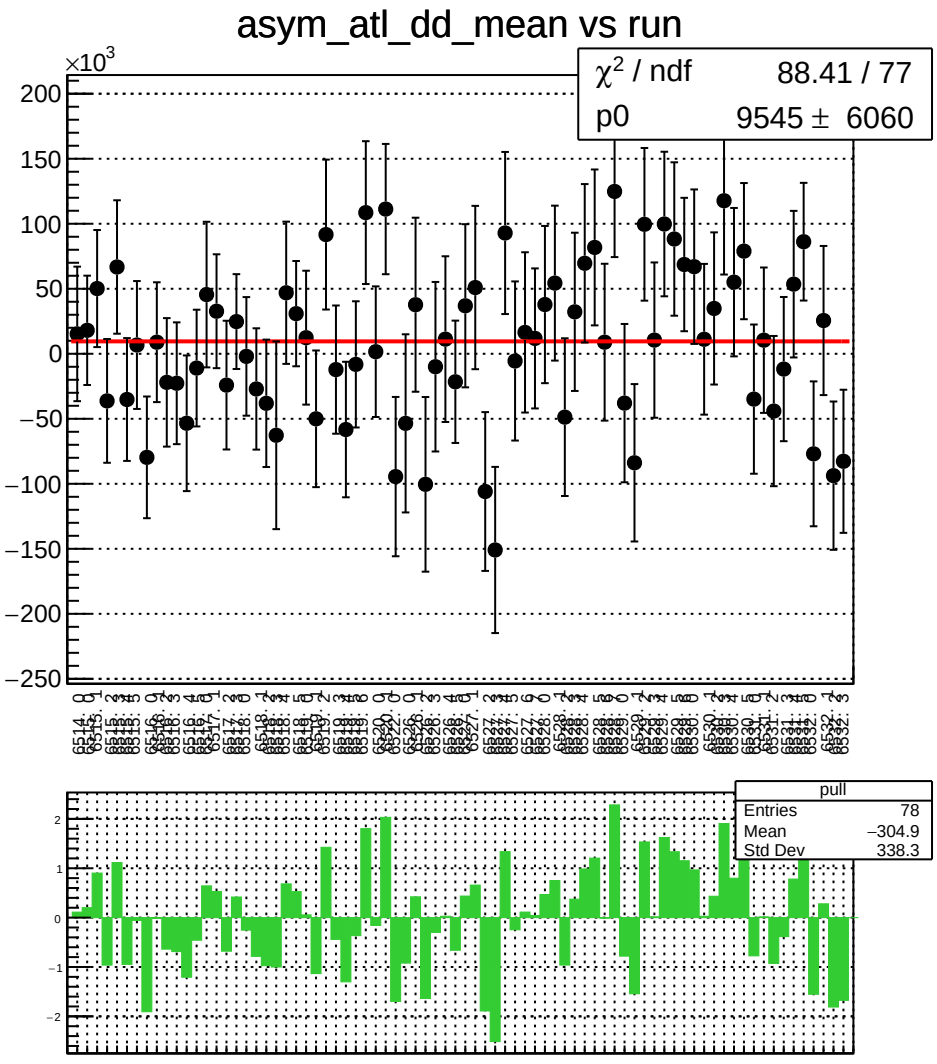

pull1D
Entries 78
Mean 0.00312
Std Dev 0.928

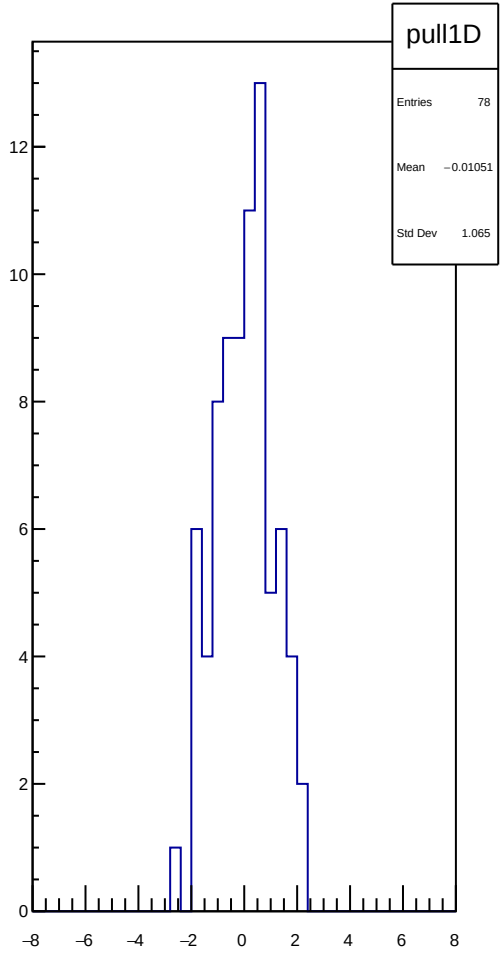

dit_asym_atl_dd_rms vs run
χ2 / ndf 9022 / 77
p0 2027 ± 1.676
6000
5500
5000
4500
4000
3500
3000
2500
2000

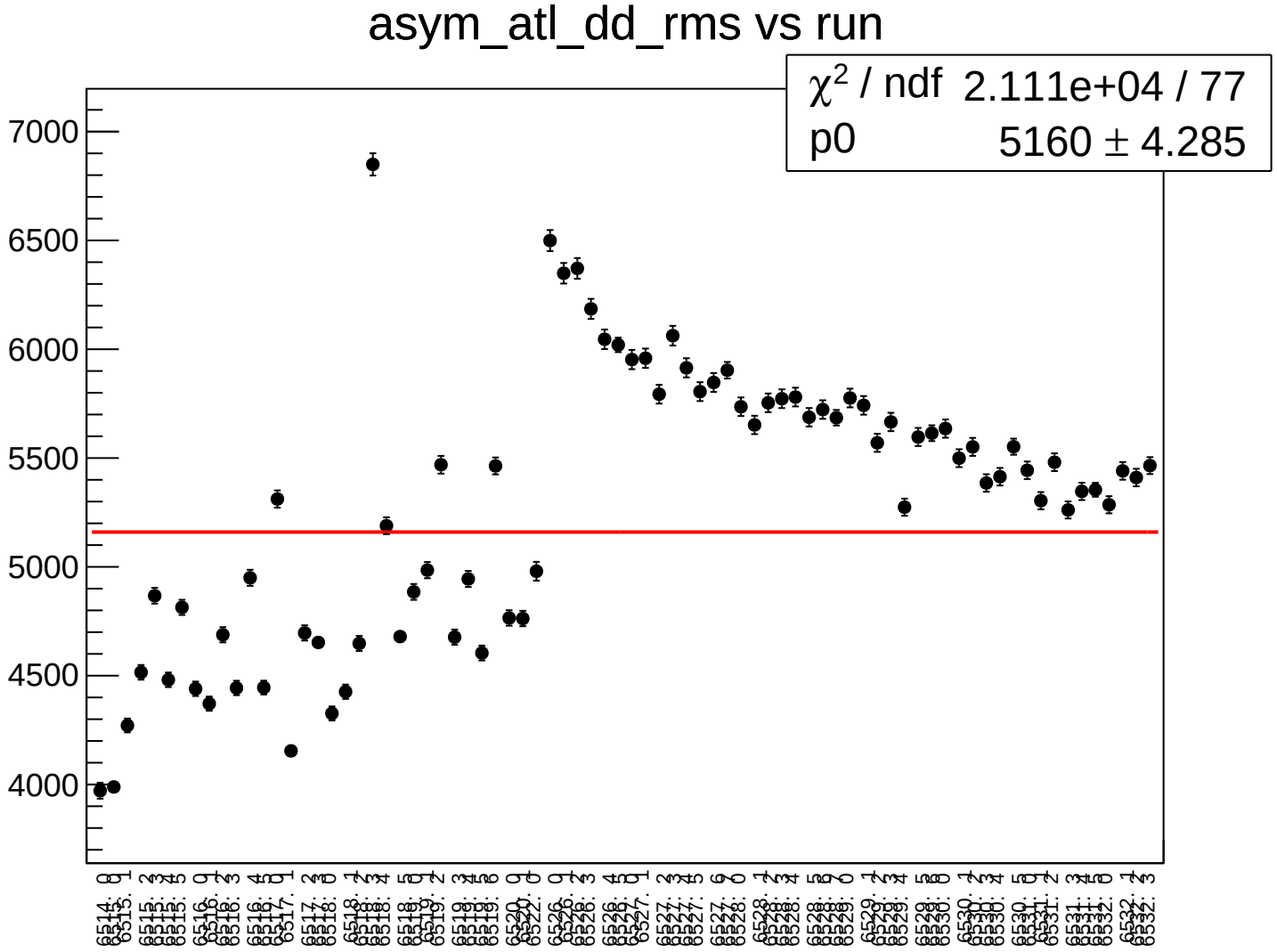

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 92.67 / 77
p0 −3635 ± 5599
pull
Entries 78
Mean −1.234e+04
Std Dev 1.237e+04

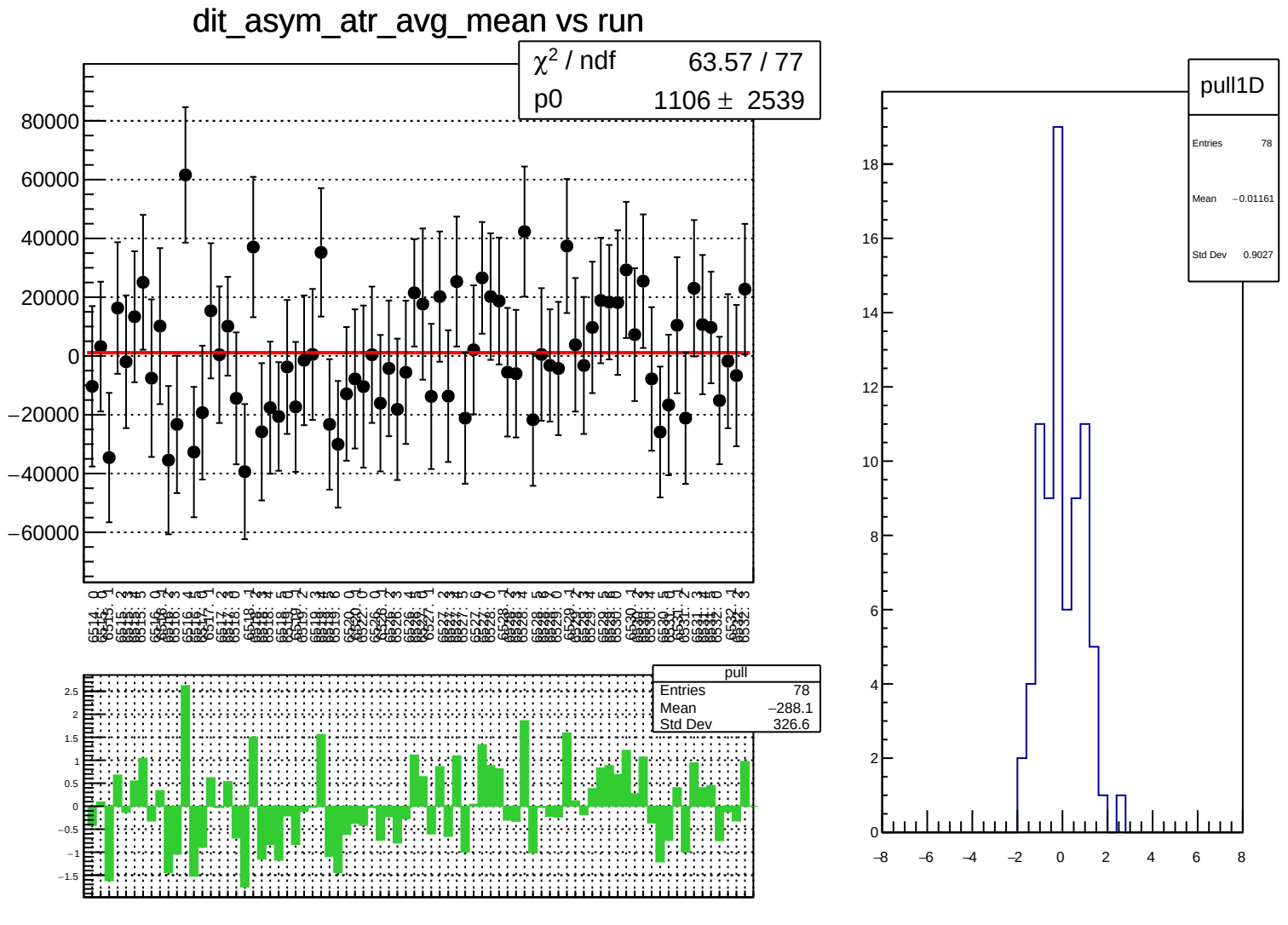

pull1D
Entries 78
Mean 0.0003669
Std Dev 1.09

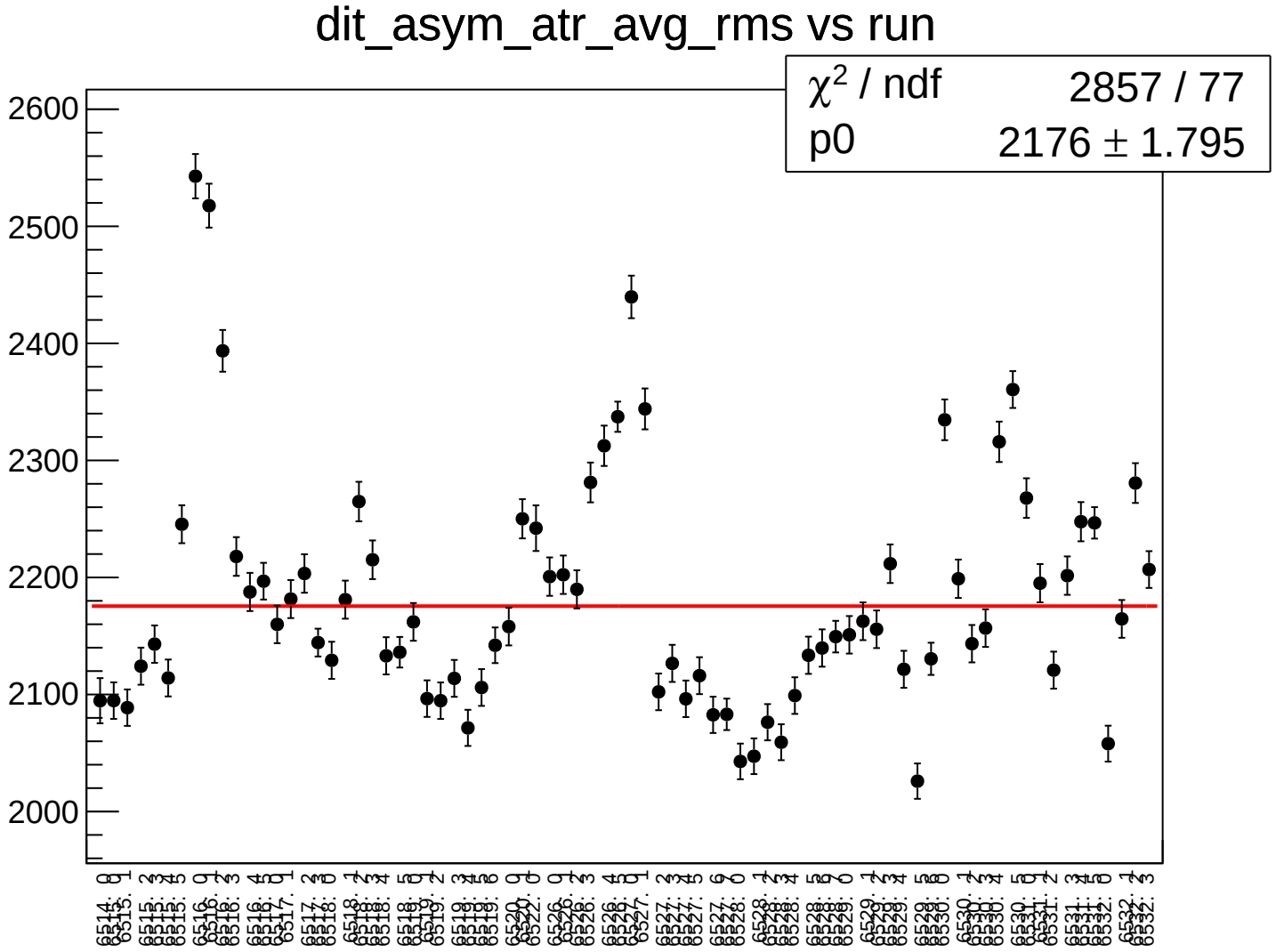

asym_atl_dd_correction_rms vs run
χ² / ndf 3.191e+04 / 77
p0 4750 ± 3.959
6500
6000
5500
5000
4500
4000
3500

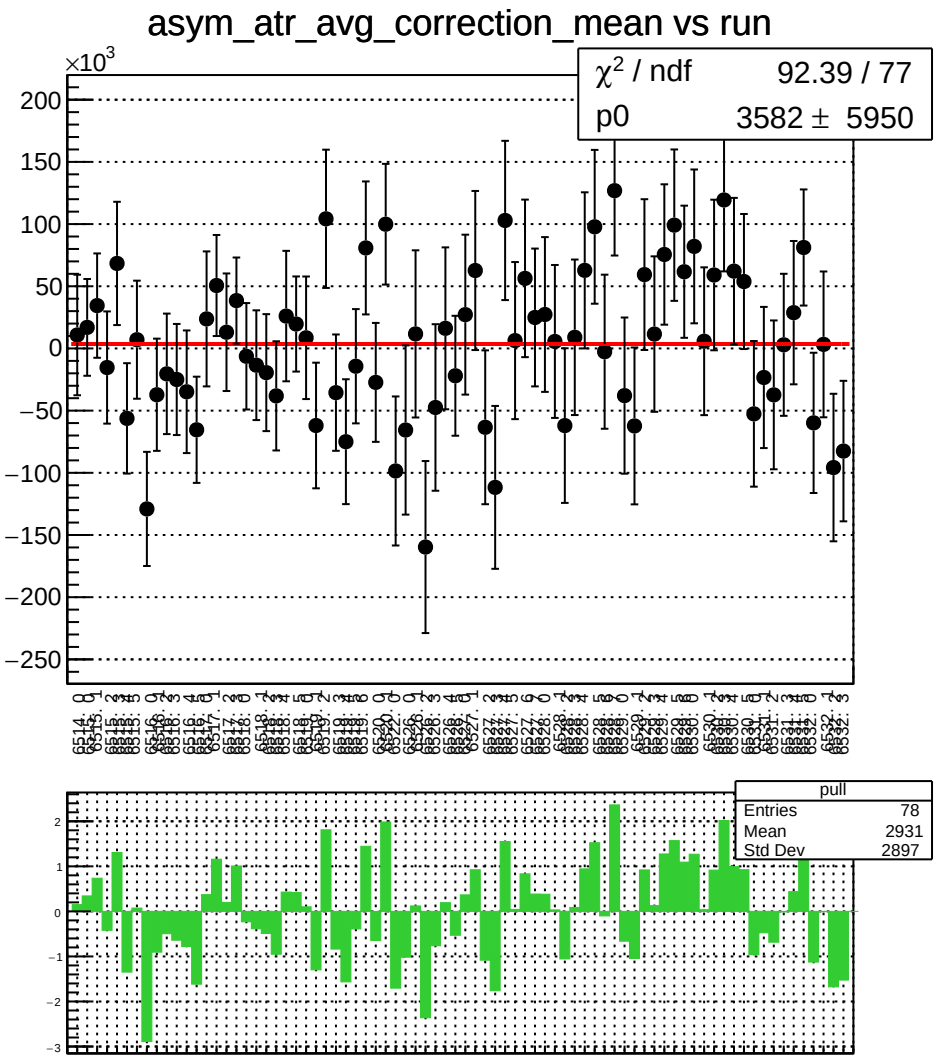

asym_atl_dd_mean vs run
×10^3
χ² / ndf 88.41 / 77
p0 9545 ± 6060
pull
Entries 78
Mean −304.9
Std Dev 338.3

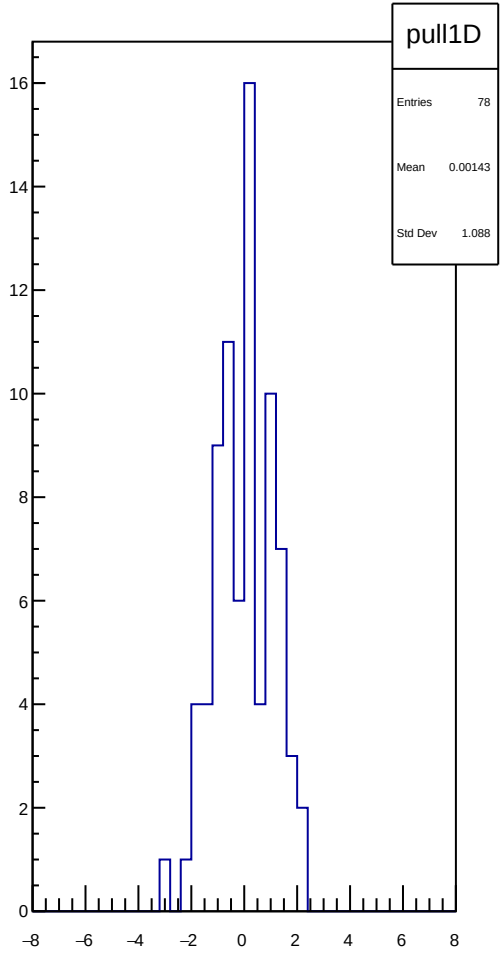

pull1D
Entries 78
Mean −0.01051
Std Dev 1.065


asym_atl_dd_rms vs run
χ^2 / ndf 2.111e+04 / 77
p0 5160 ± 4.285
7000
6500
6000
5500
5000
4500
4000

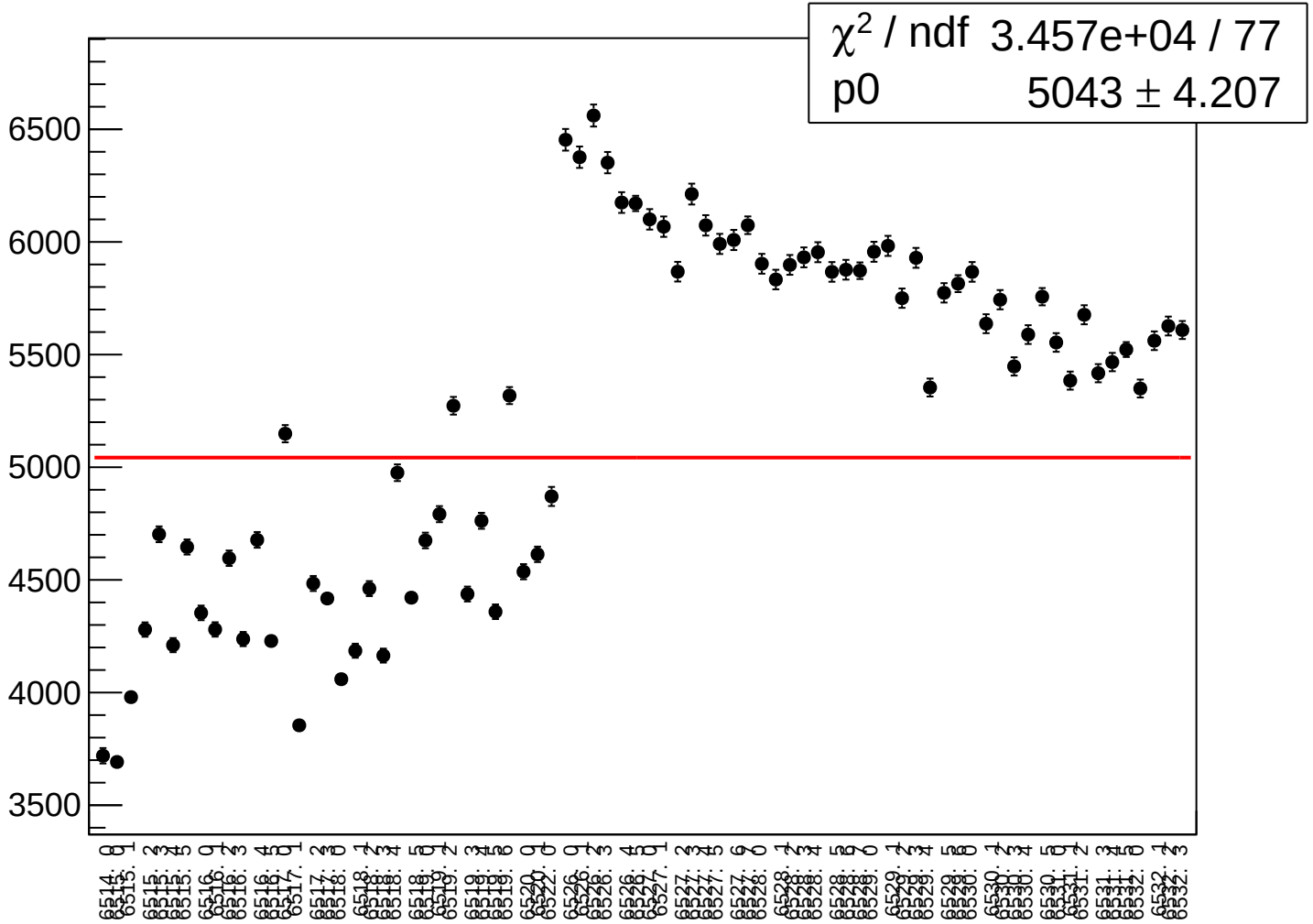

dit_asym_atr_avg_mean vs run
χ² / ndf 63.57 / 77
p0 1106 ± 2539
pull
Entries 78
Mean −288.1
Std Dev 326.6
pull1D
Entries 78
Mean −0.01161
Std Dev 0.9027

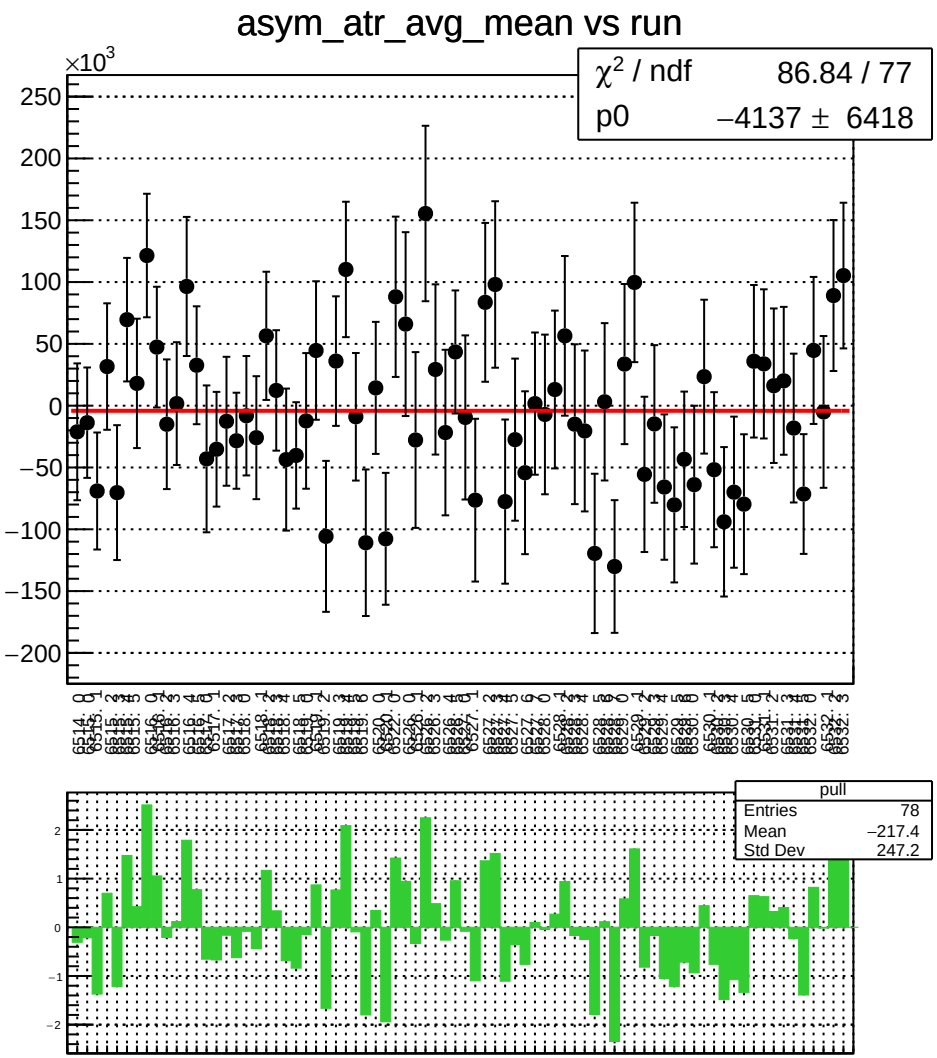

dit_asym_atr_avg_rms vs run
χ² / ndf 2857 / 77
p0 2176 ± 1.795
2600
2500
2400
2300
2200
2100
2000

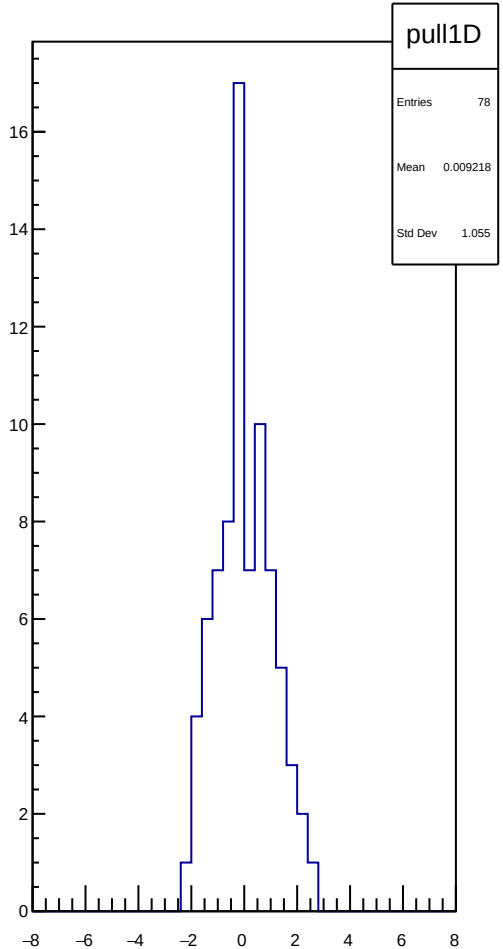

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 92.39 / 77
p0 3582 ± 5950
pull
Entries 78
Mean 2931
Std Dev 2897

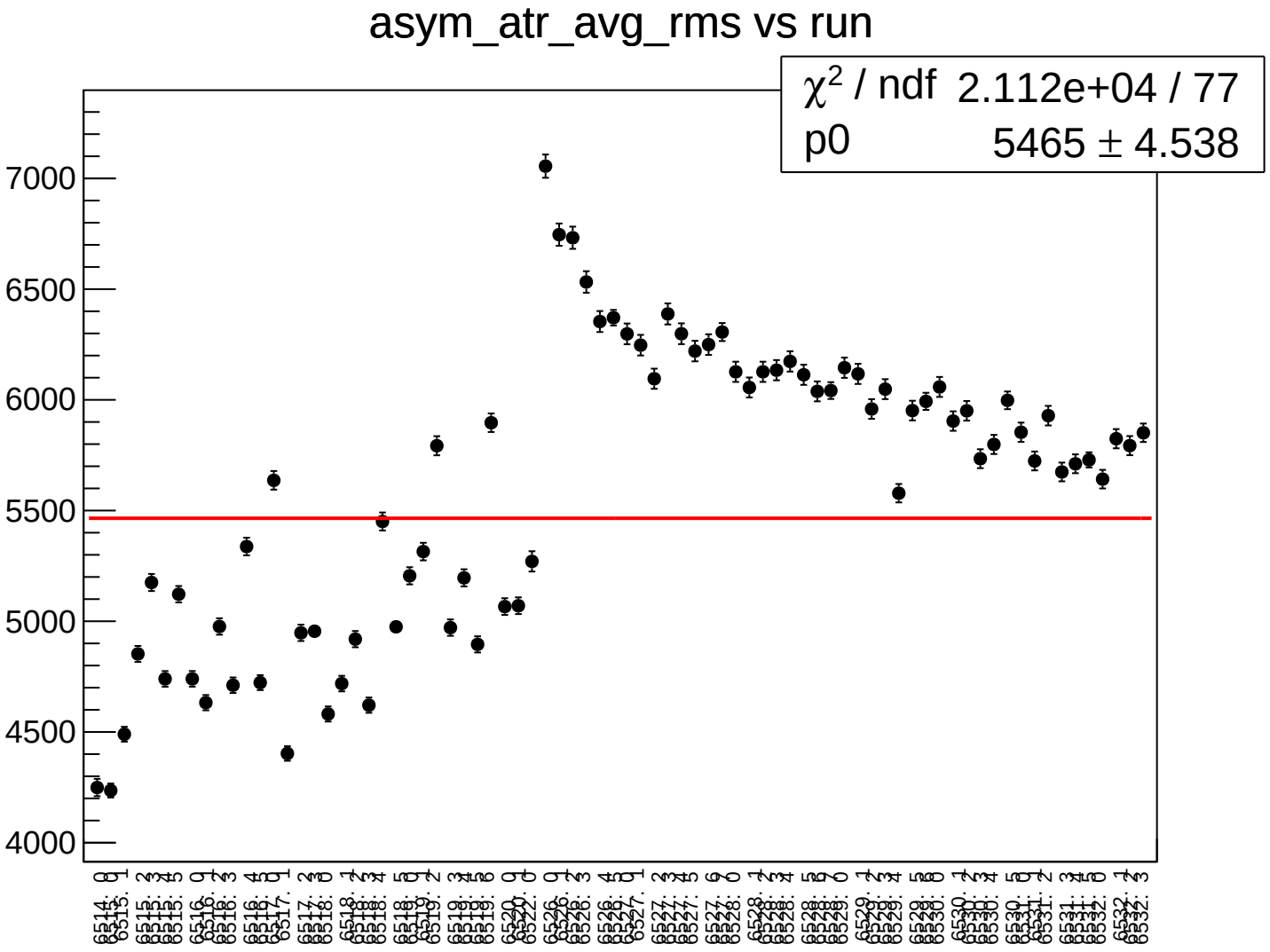

pull1D
Entries 78
Mean 0.00143
Std Dev 1.088

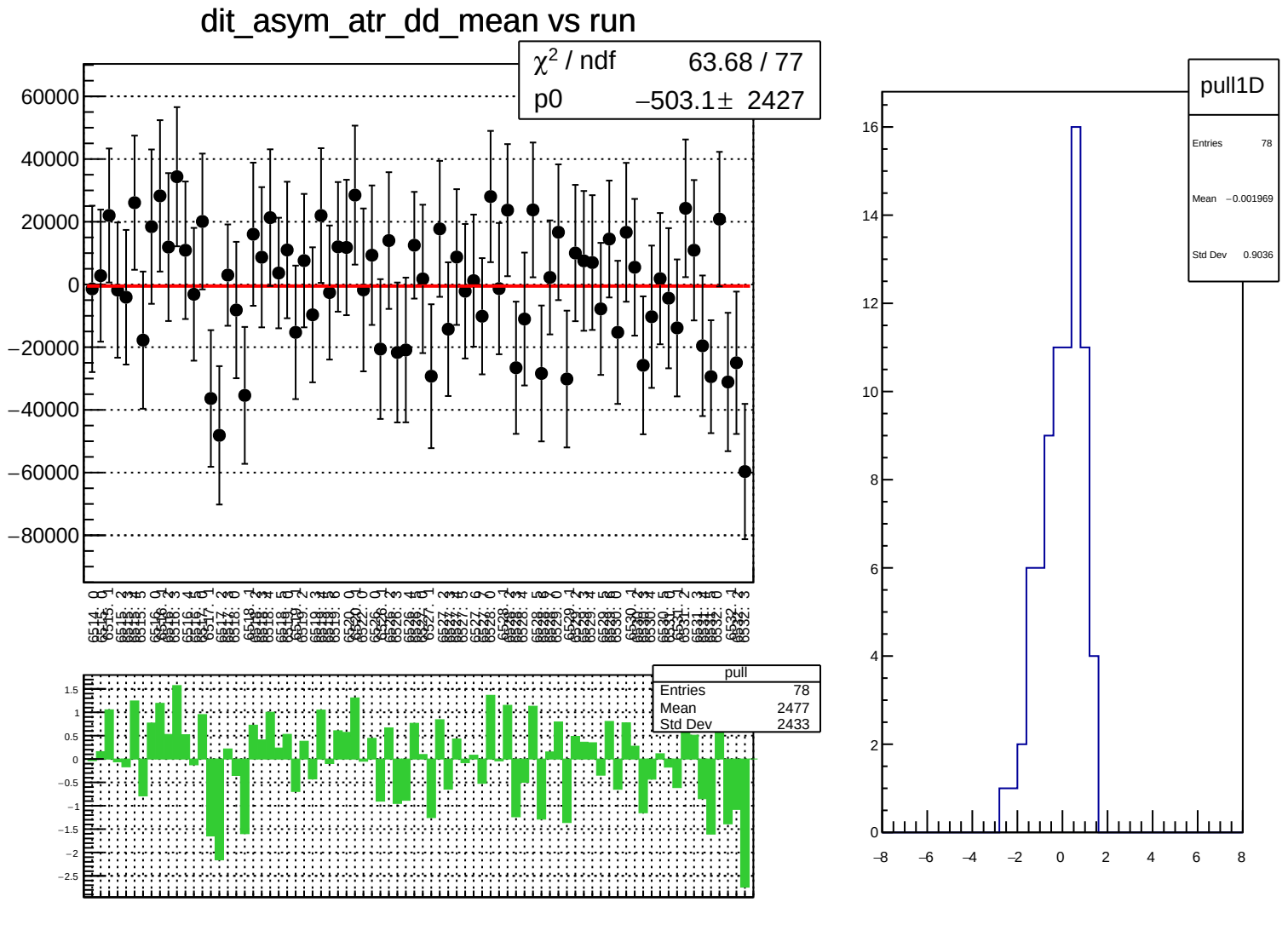
asym_atr_avg_correction_rms vs run



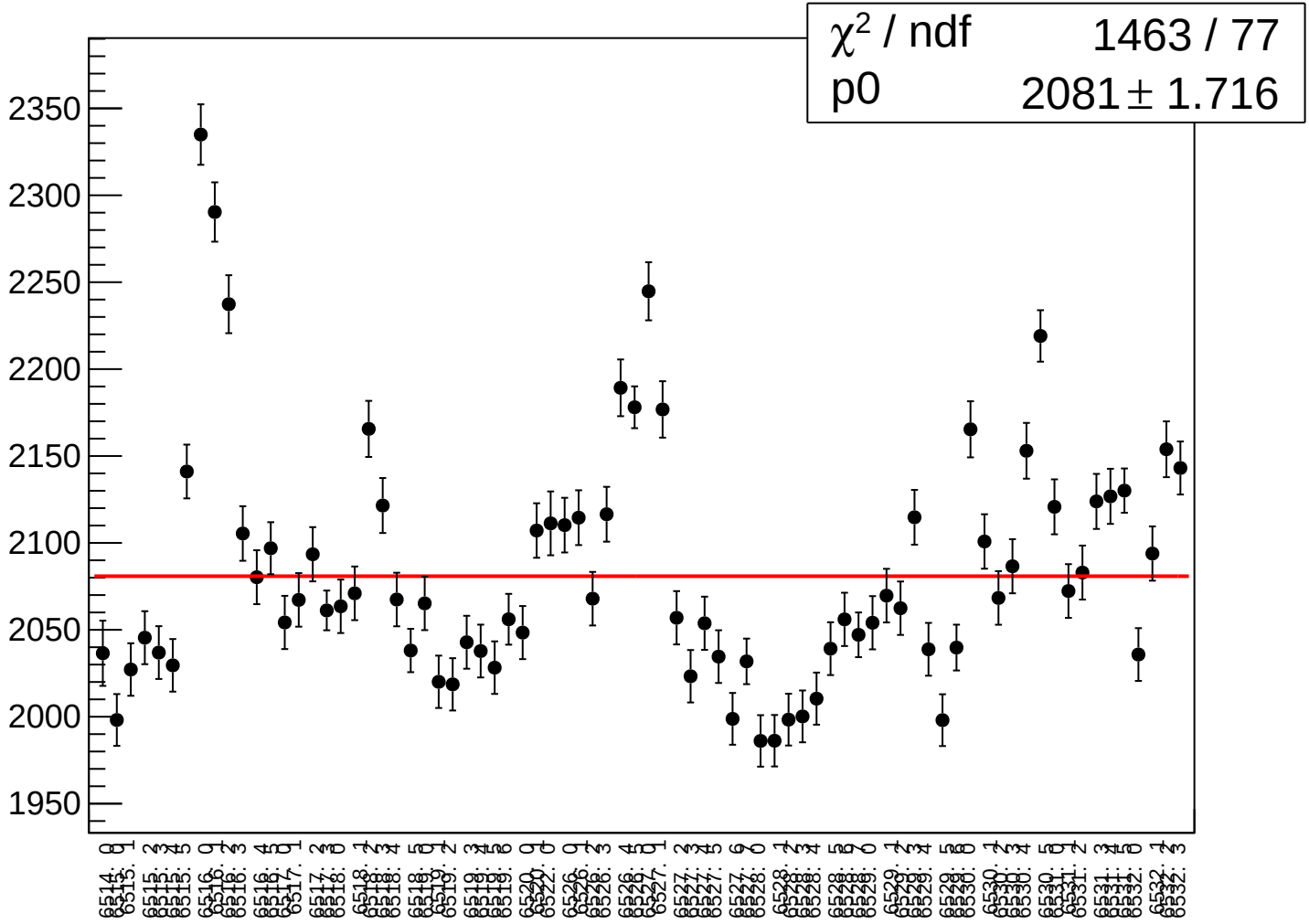

asym_atr_avg_mean vs run
×10^3
χ² / ndf 86.84 / 77
p0 −4137 ± 6418
pull
Entries 78
Mean −217.4
Std Dev 247.2

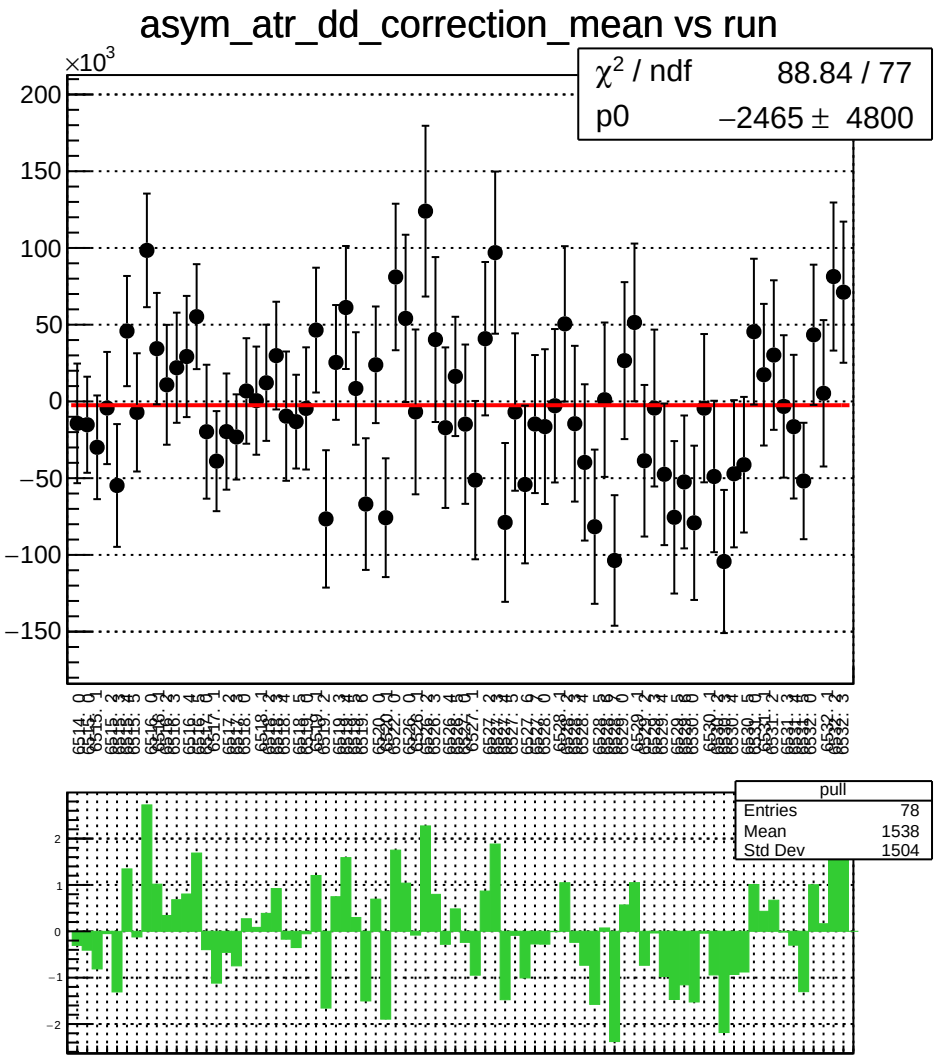

pull1D
Entries 78
Mean 0.009218
Std Dev 1.055

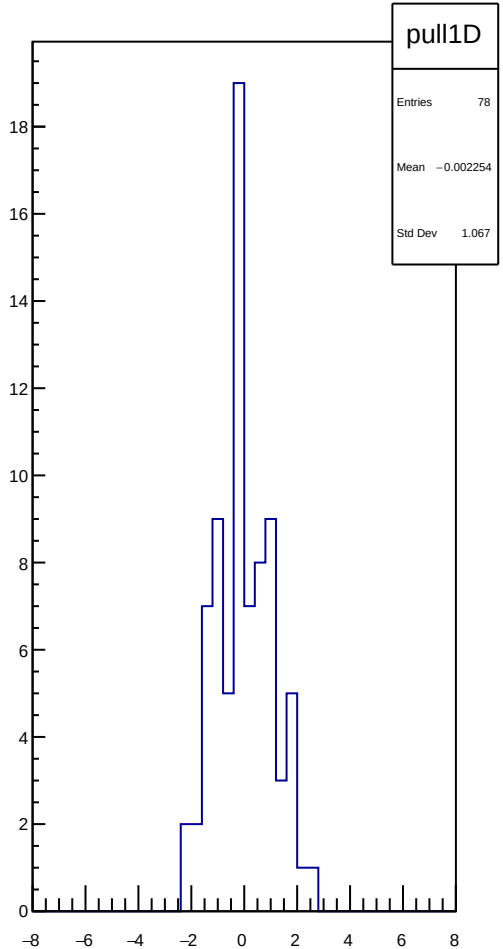

asym_atr_avg_rms vs run
χ^2 / ndf 2.112e+04 / 77
p0 5465 ± 4.538
7000
6500
6000
5500
5000
4500
4000

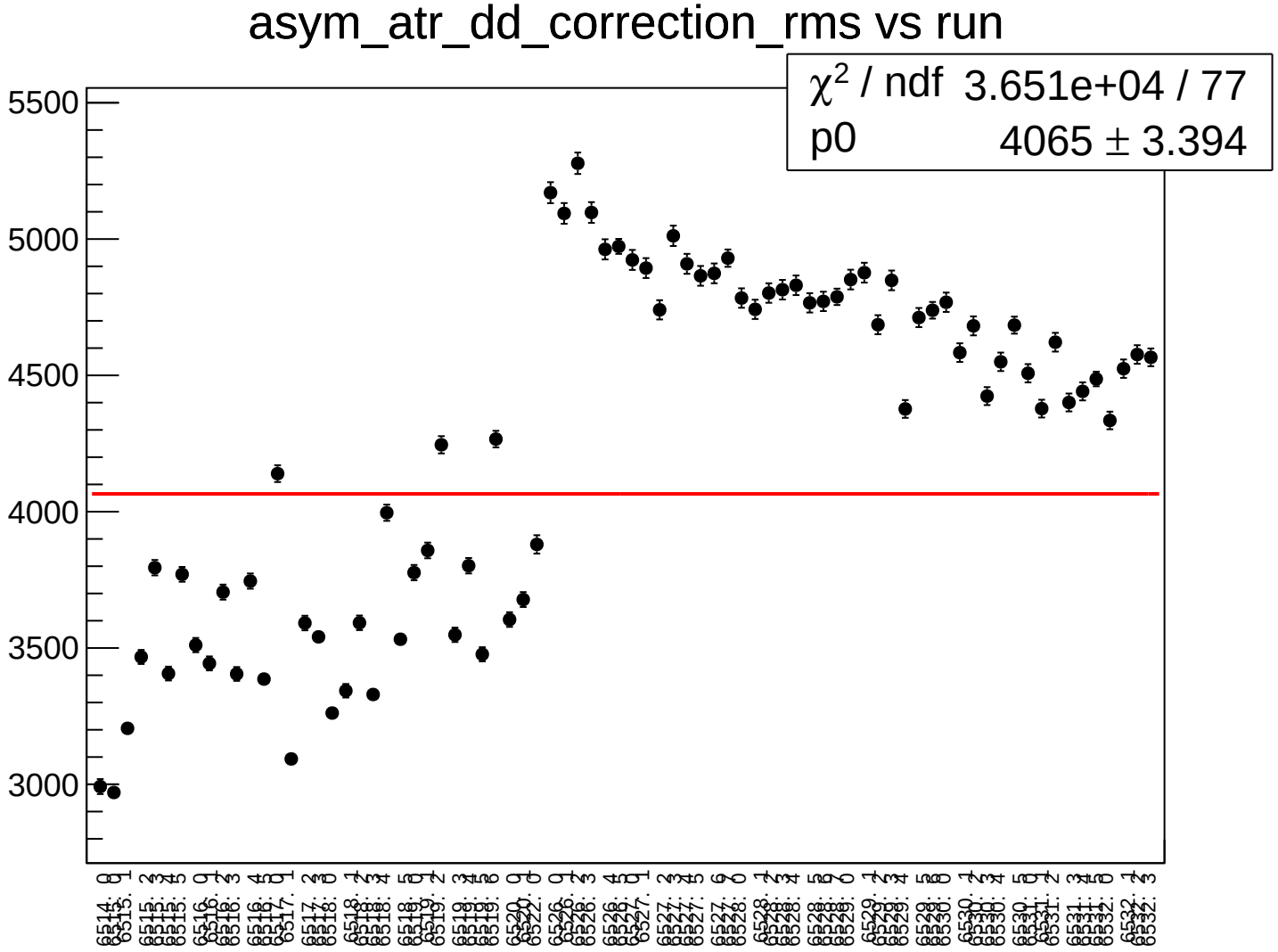

dit_asym_atr_dd_mean vs run
χ² / ndf 63.68 / 77
p0 −503.1± 2427
pull
Entries 78
Mean 2477
Std Dev 2433
pull1D
Entries 78
Mean −0.001969
Std Dev 0.9036

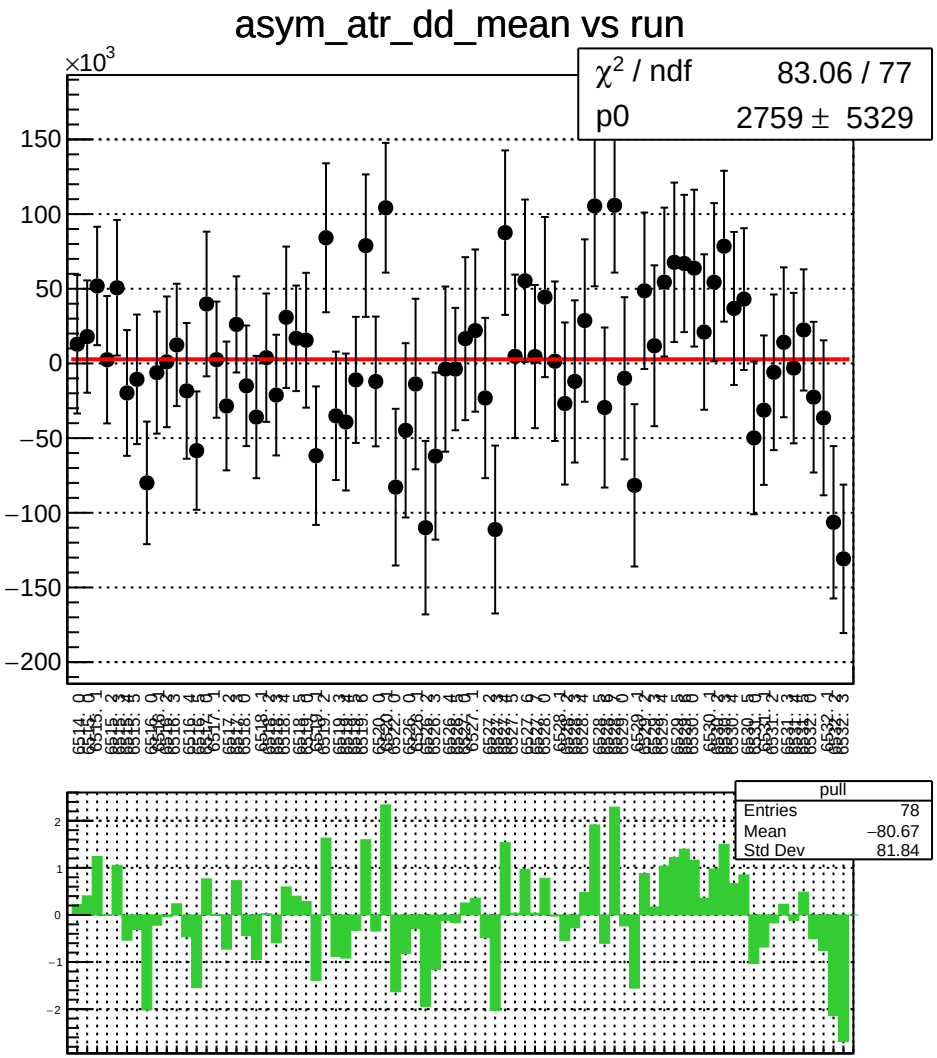
dit_asym_atr_dd_rms vs run

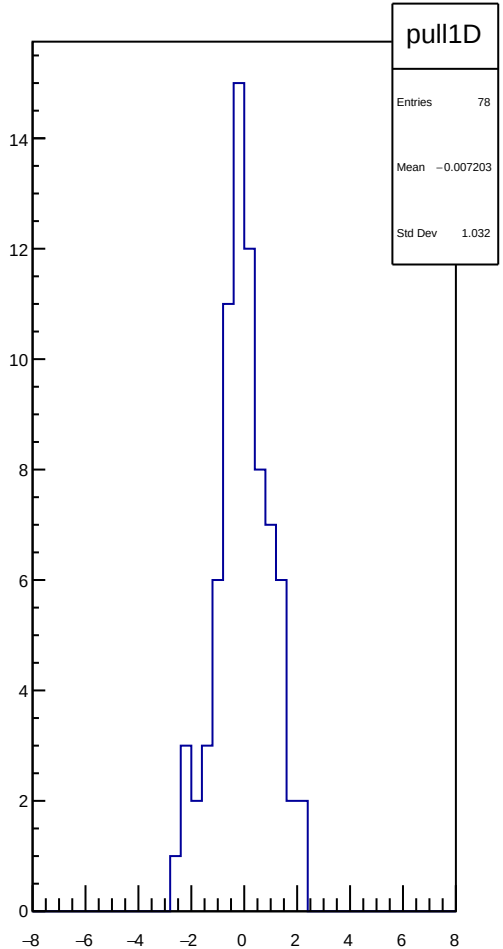


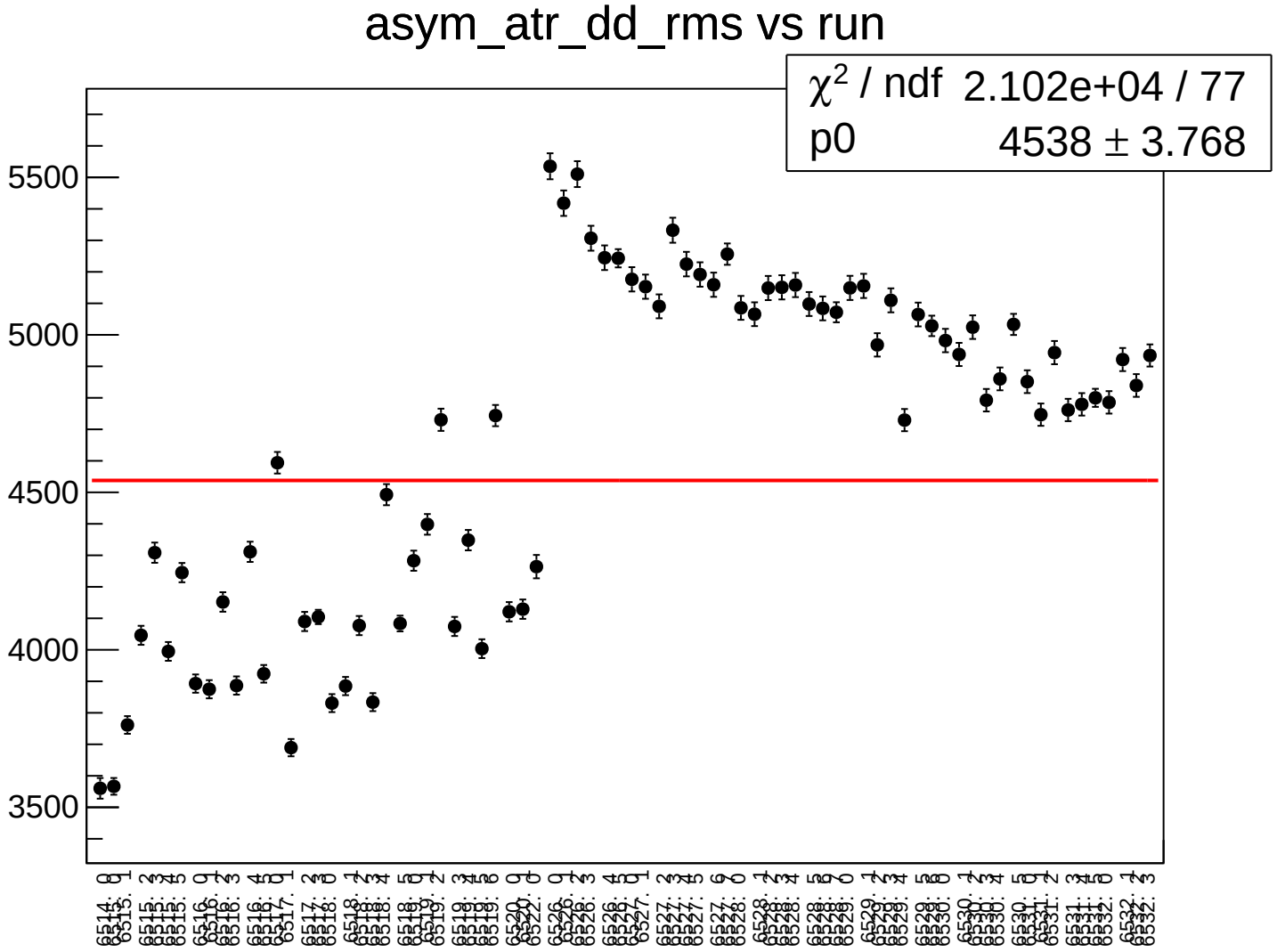

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 88.84 / 77
p0 −2465 ± 4800
pull
Entries 78
Mean 1538
Std Dev 1504

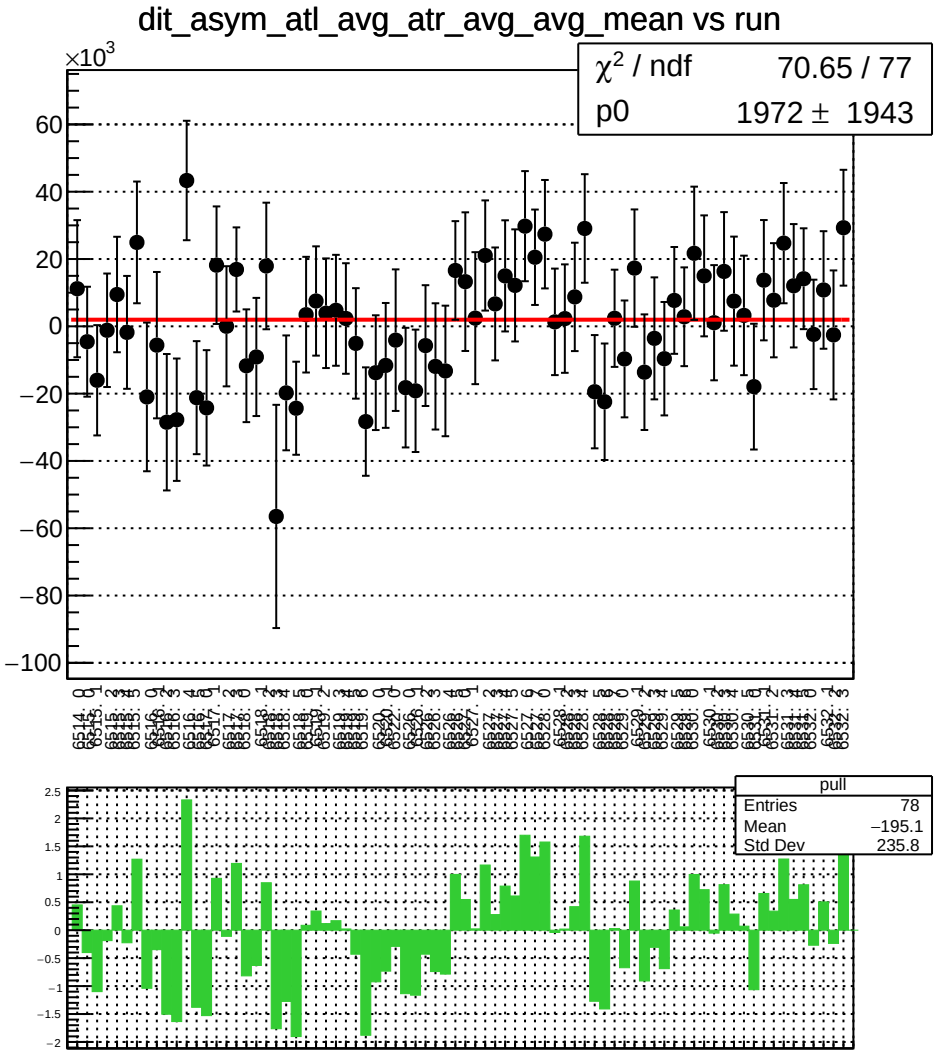

pull1D
Entries 78
Mean −0.002254
Std Dev 1.067

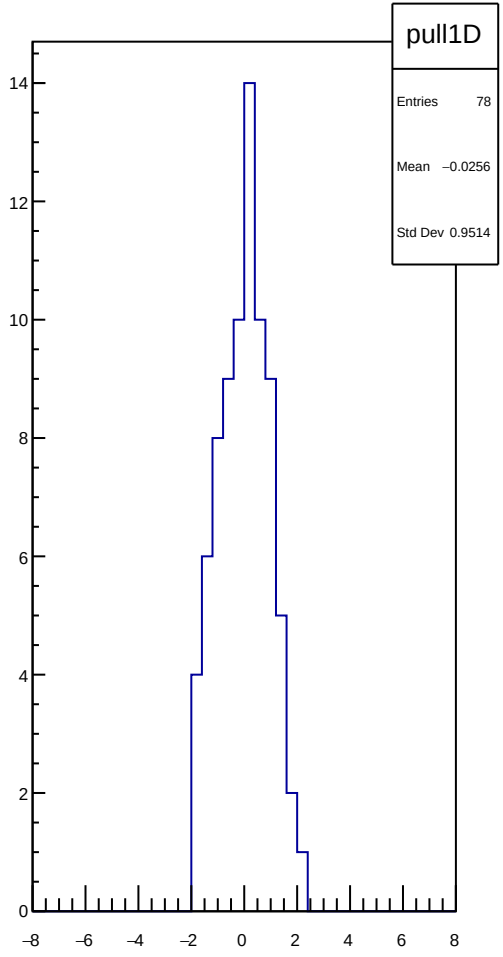

asym_atr_dd_correction_rms vs run
χ^2 / ndf 3.651e+04 / 77
p0 4065 ± 3.394
5500
5000
4500
4000
3500
3000


asym_atr_dd_mean vs run
χ^2 / ndf 83.06 / 77
p0 2759 ± 5329
×10^3
pull
Entries 78
Mean −80.67
Std Dev 81.84

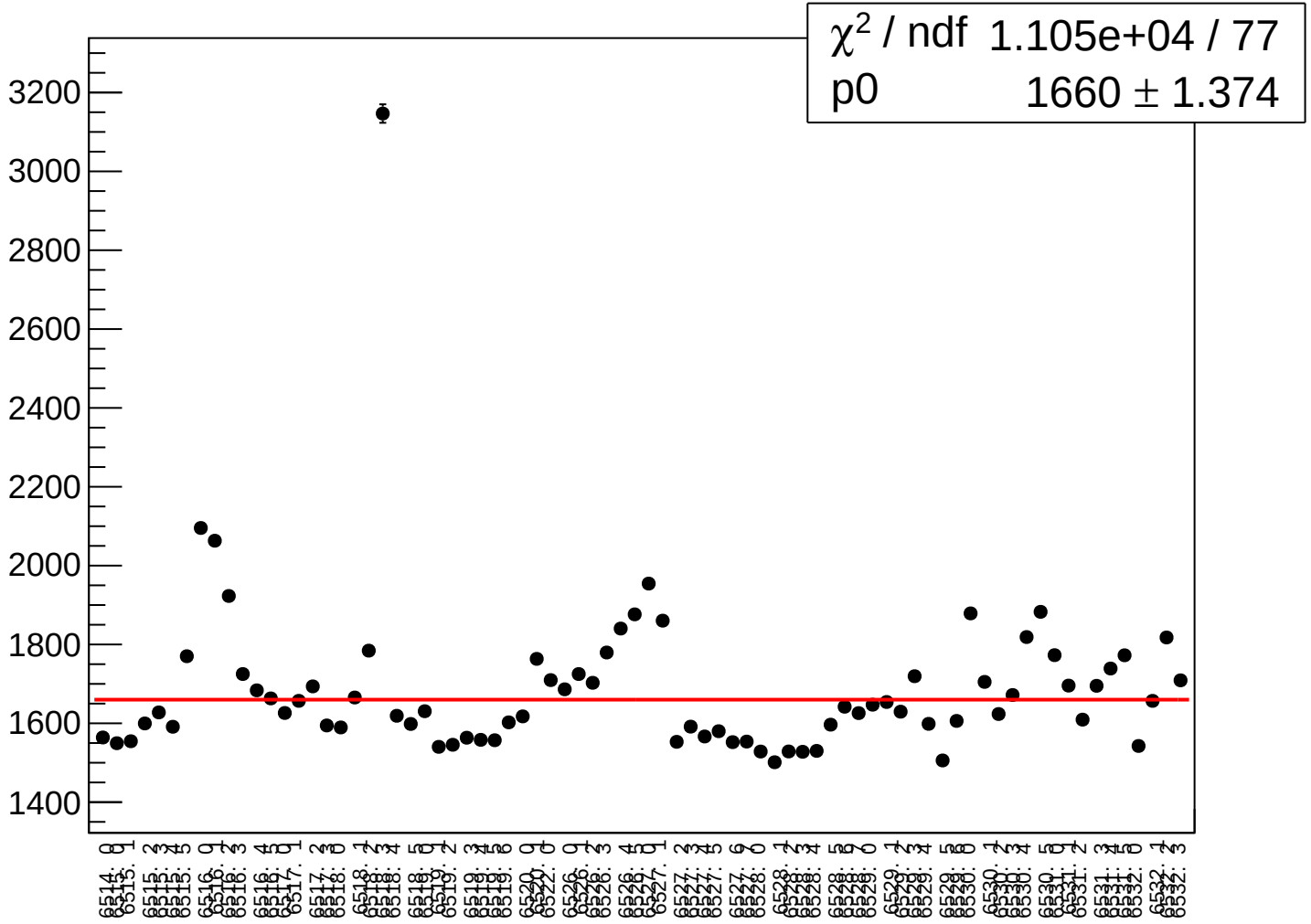

pull1D
Entries 78
Mean −0.007203
Std Dev 1.032

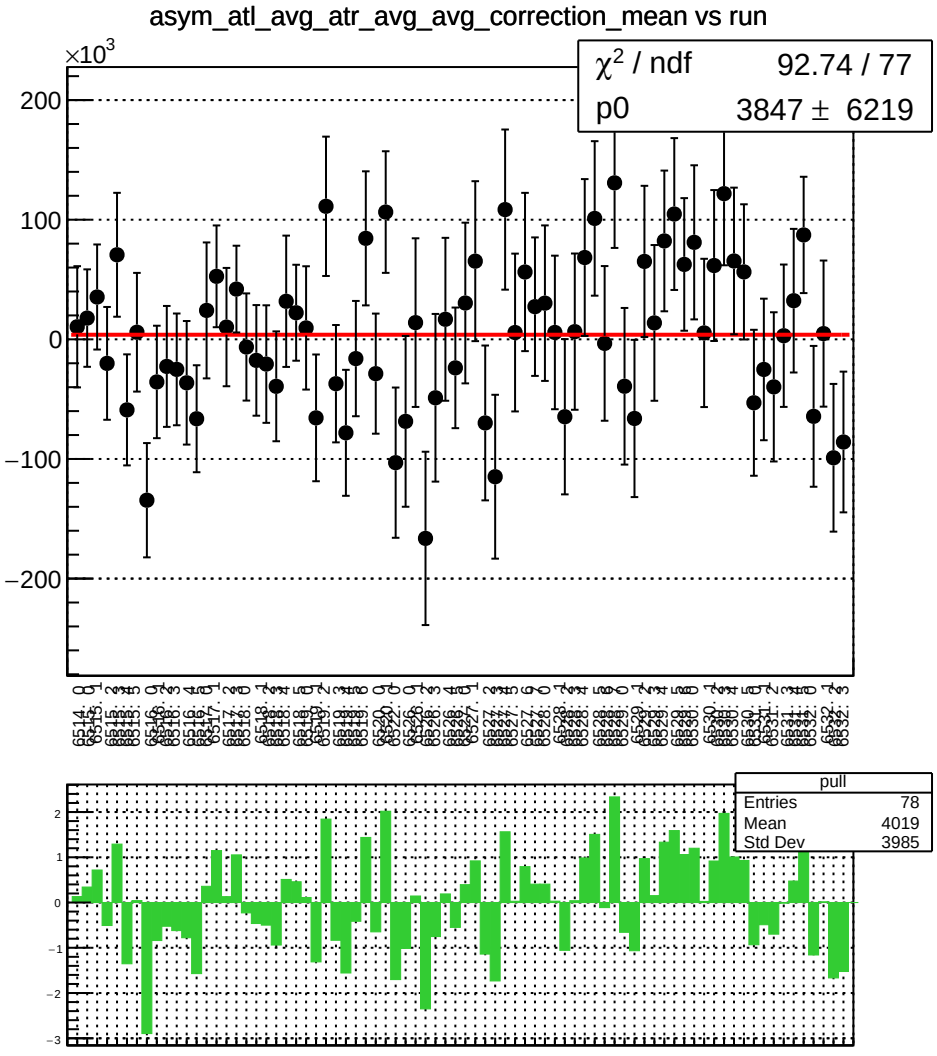

asym_atr_dd_rms vs run
χ^2 / ndf 2.102e+04 / 77
p0 4538 ± 3.768
5500
5000
4500
4000
3500

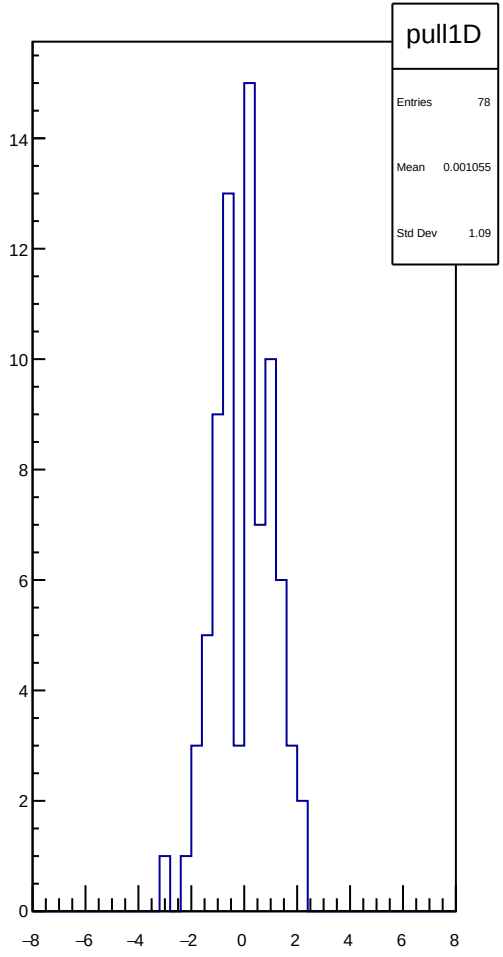

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 70.65 / 77
p0 1972 ± 1943
pull
Entries 78
Mean −195.1
Std Dev 235.8

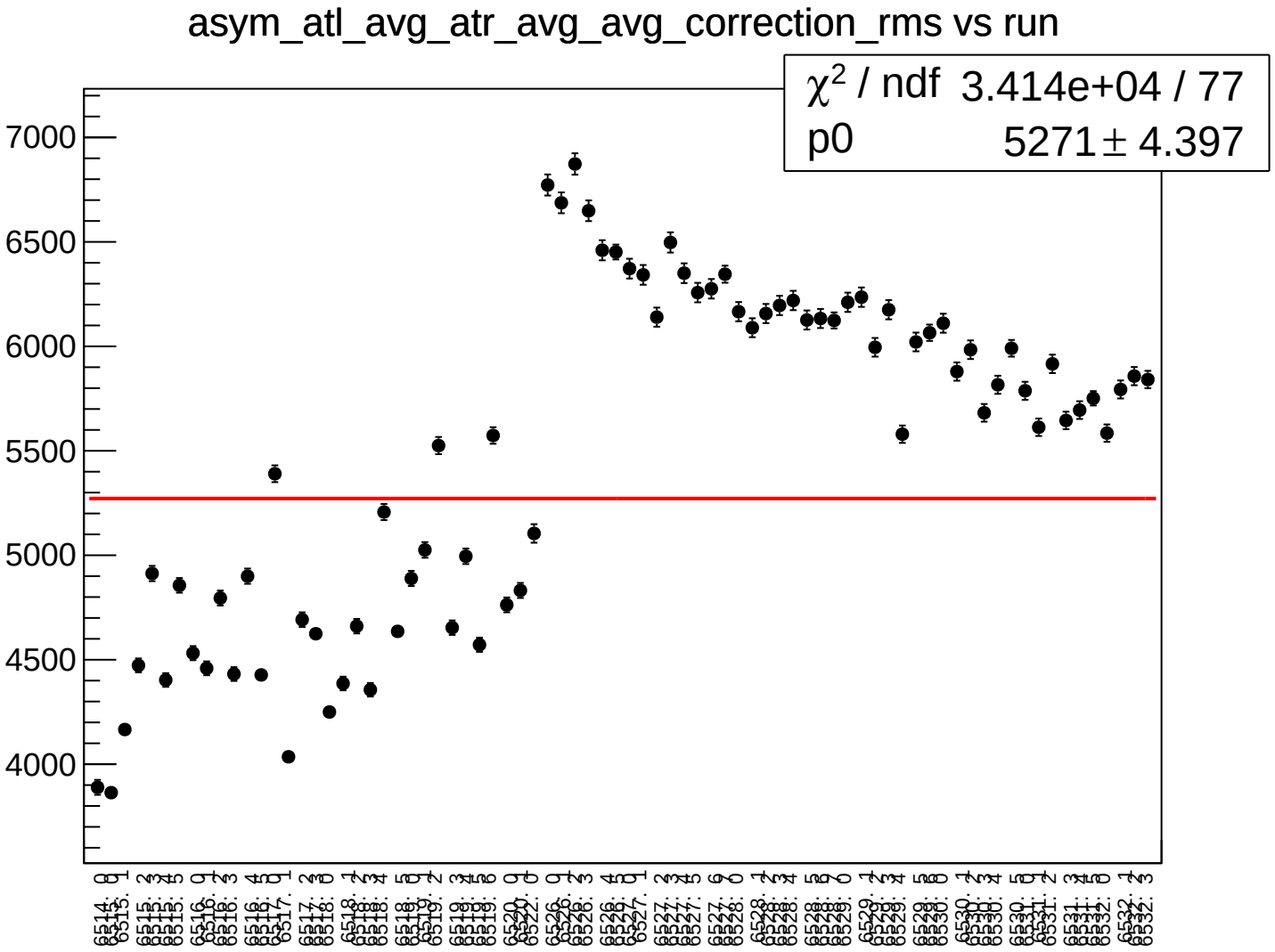

pull1D
Entries 78
Mean −0.0256
Std Dev 0.9514

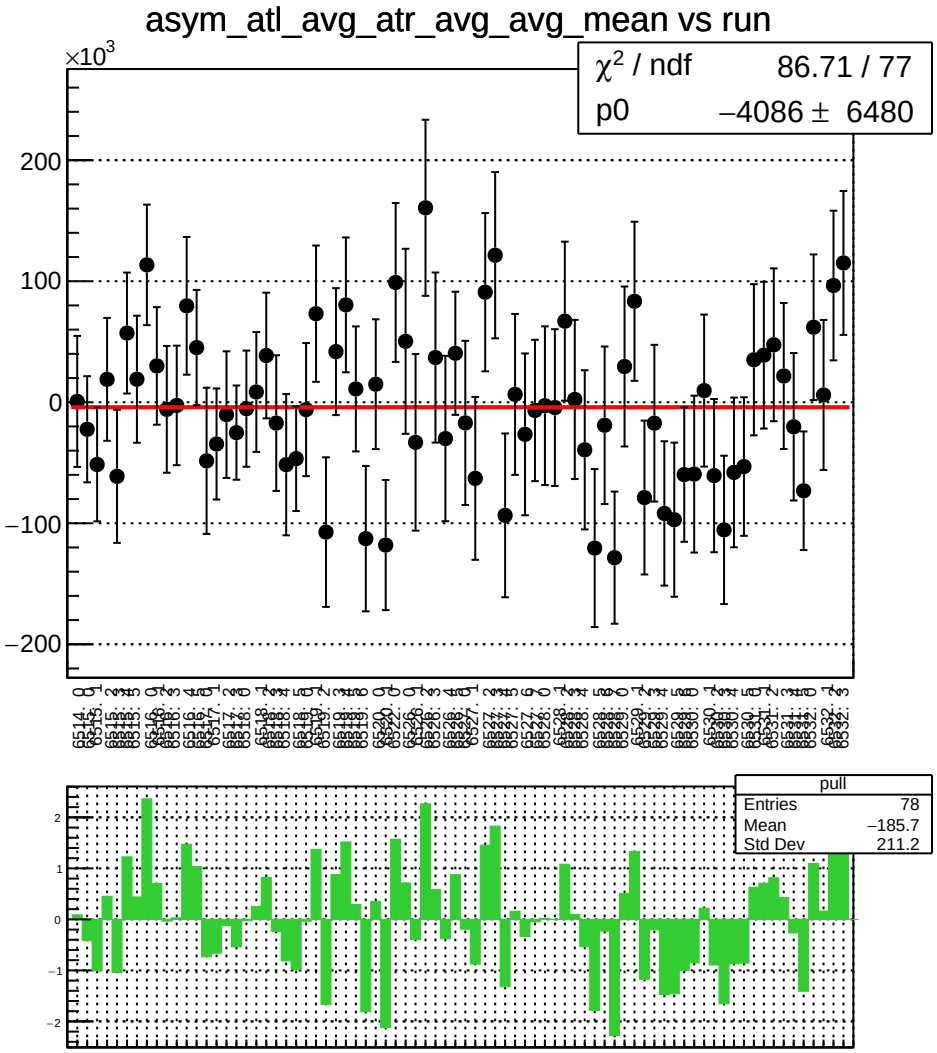
dit_asym_atl_avg_atr_avg_avg_rms vs run

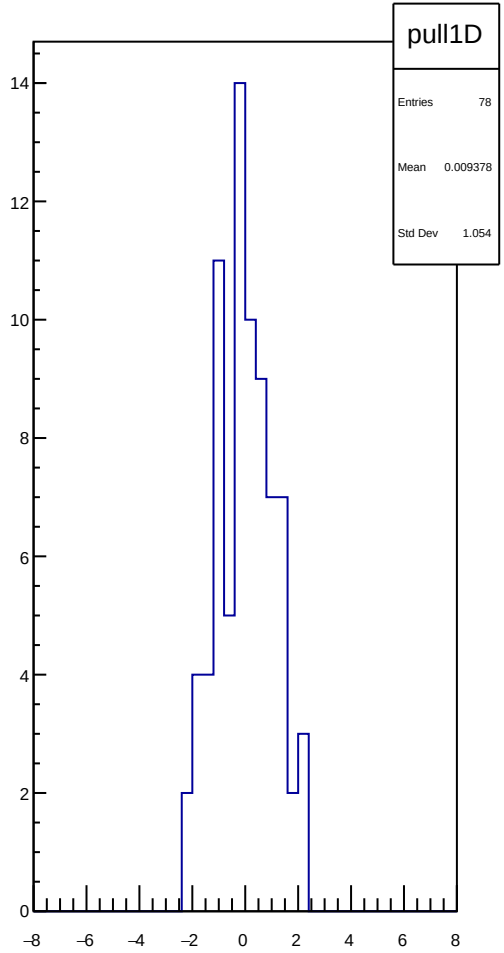



asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 92.74 / 77
p0 3847 ± 6219
pull
Entries 78
Mean 4019
Std Dev 3985

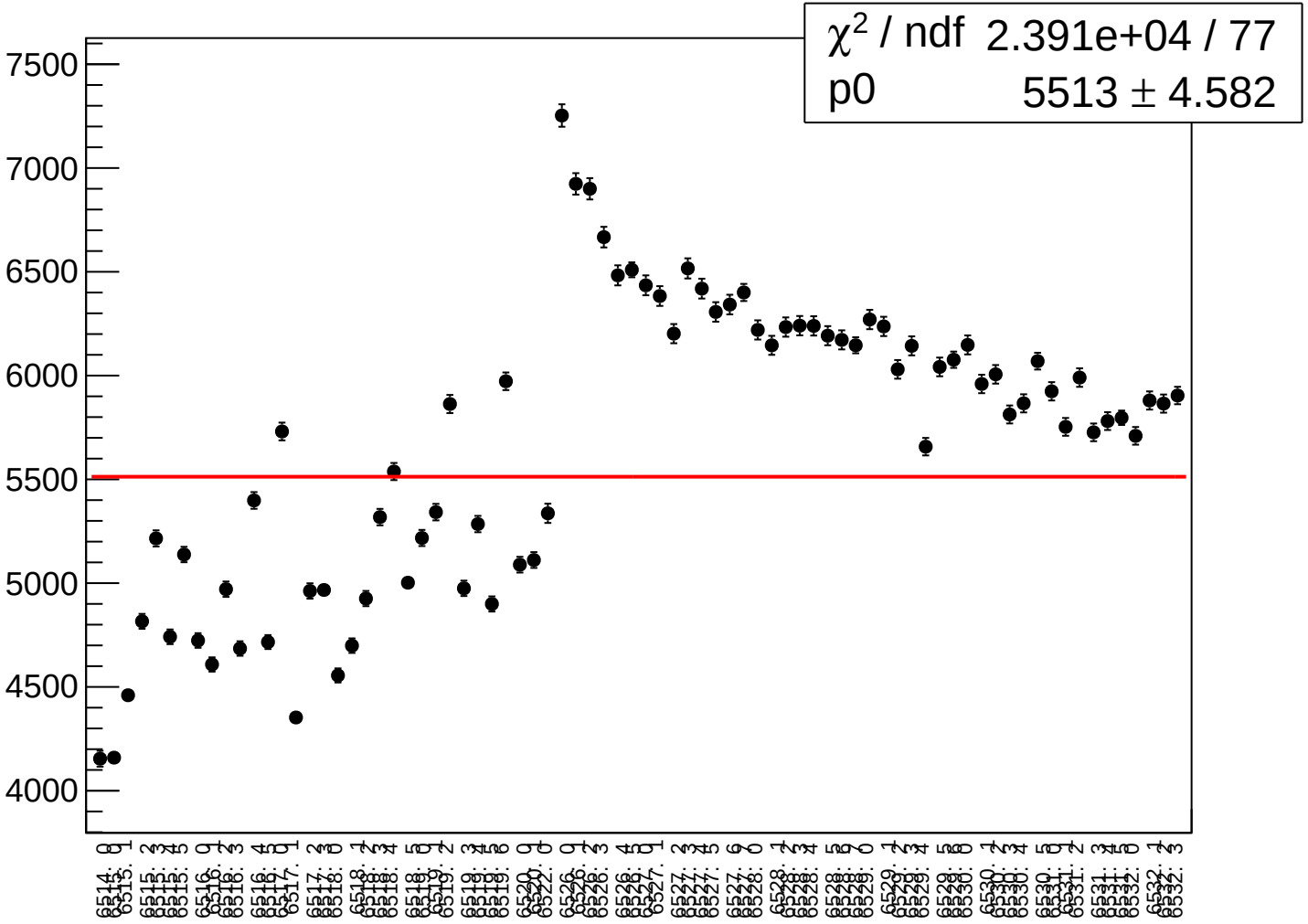

pull1D
Entries 78
Mean 0.001055
Std Dev 1.09

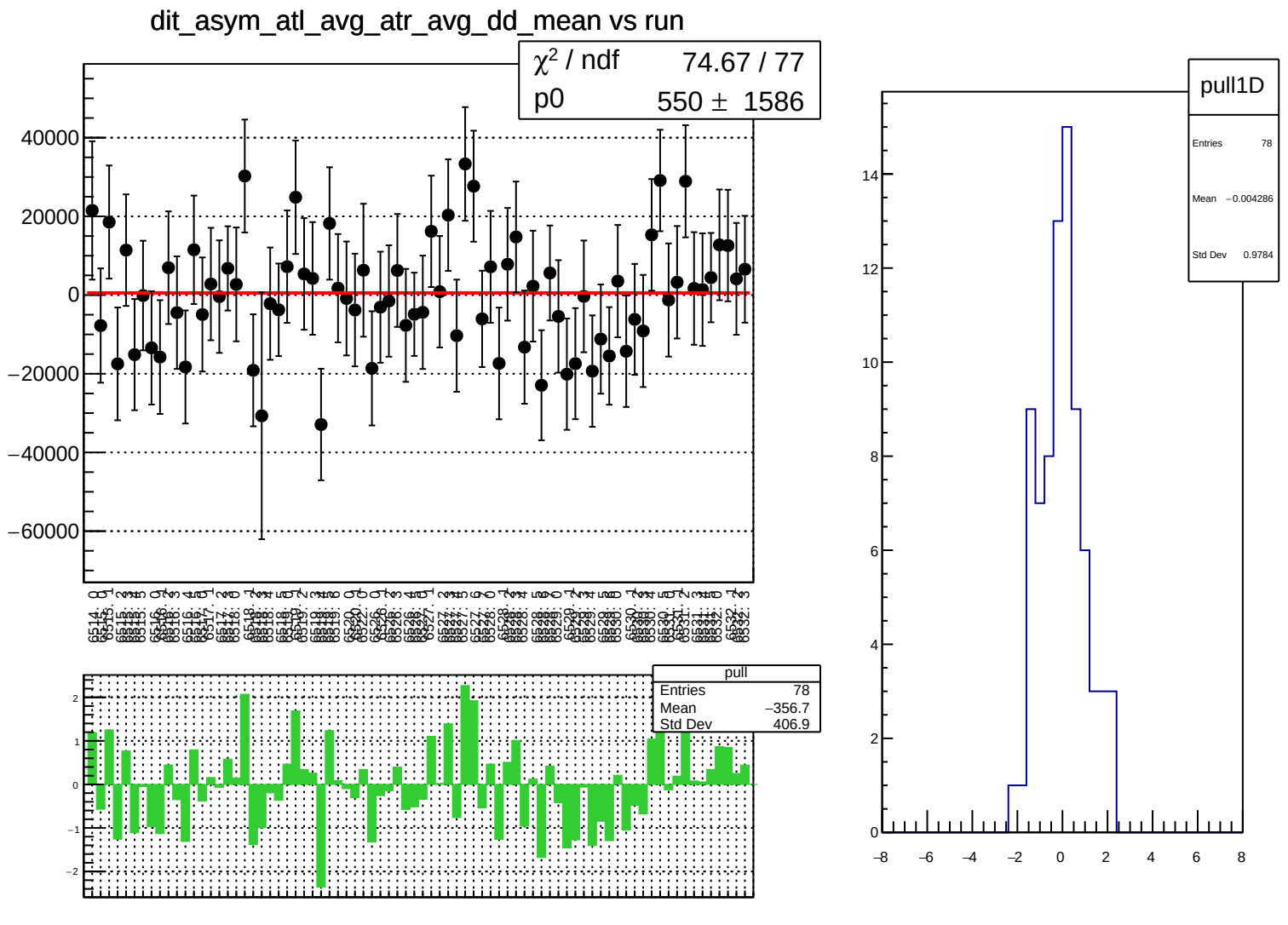

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 3.414e+04 / 77
p0 5271 ± 4.397
7000
6500
6000
5500
5000
4500
4000


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 86.71 / 77
p0 −4086 ± 6480
200
100
0
−100
−200
pull
Entries 78
Mean −185.7
Std Dev 211.2
2
1
0
−1
−2

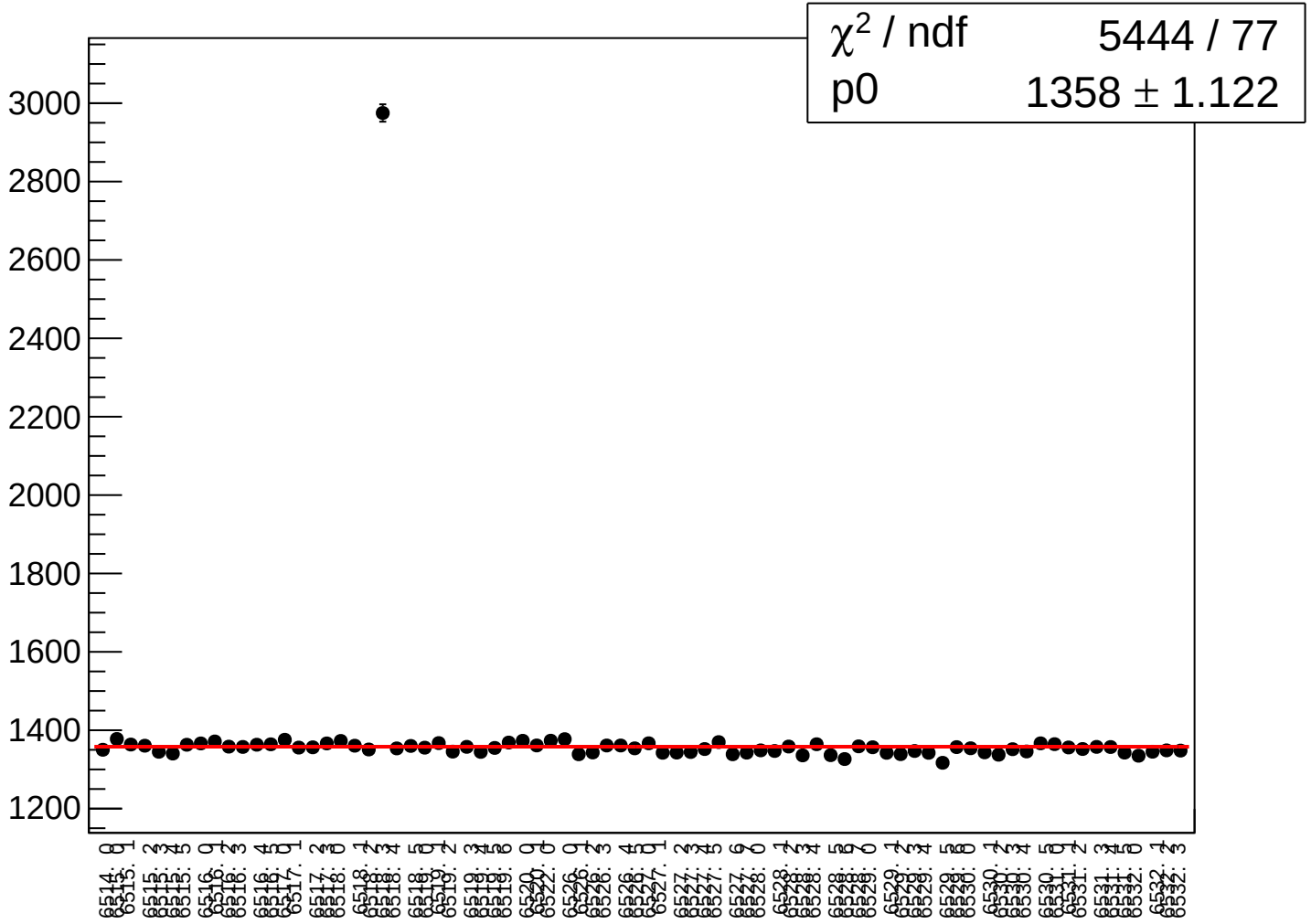

pull1D
Entries 78
Mean 0.009378
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

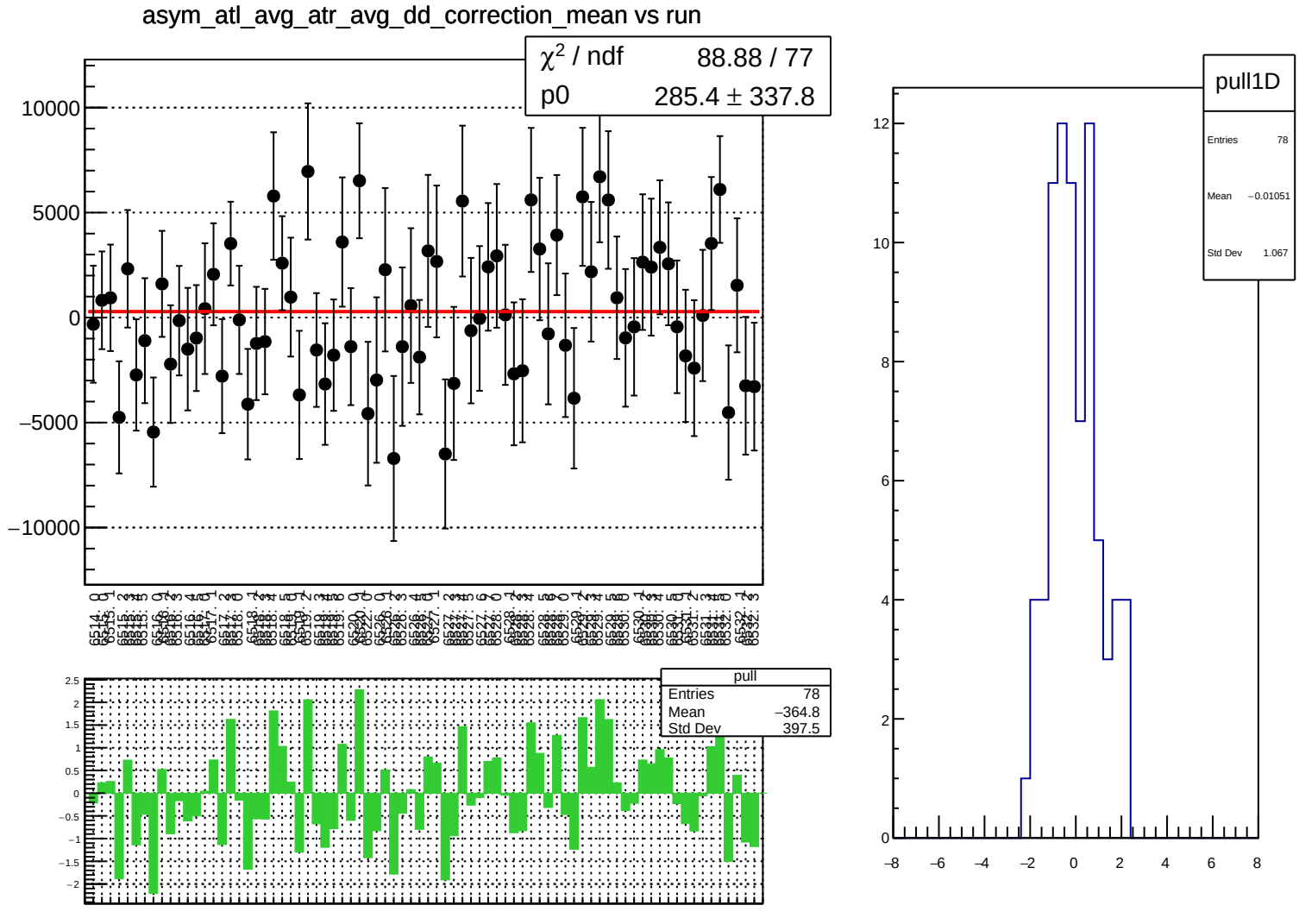
asym_atl_avg_atr_avg_avg_rms vs run

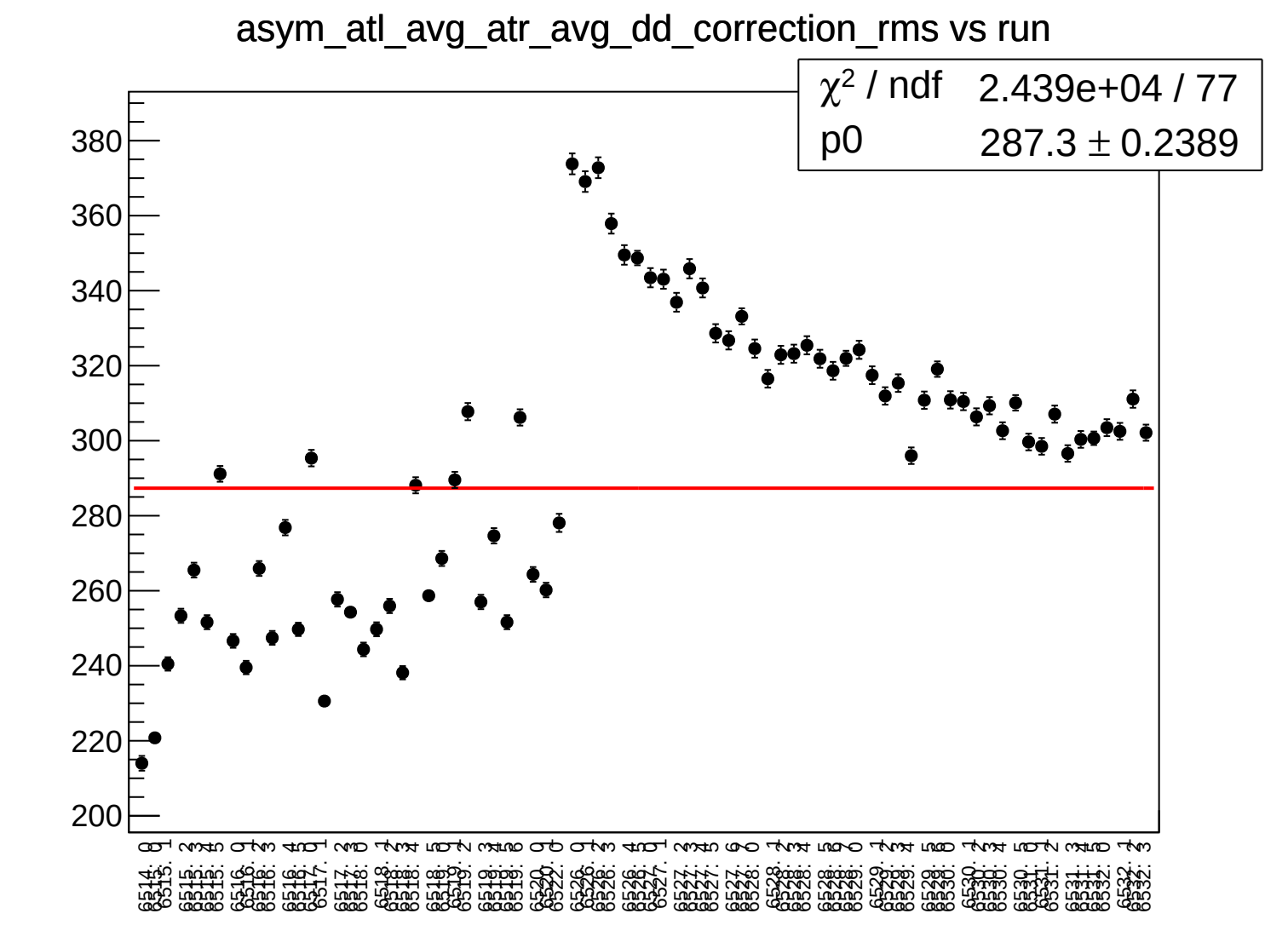


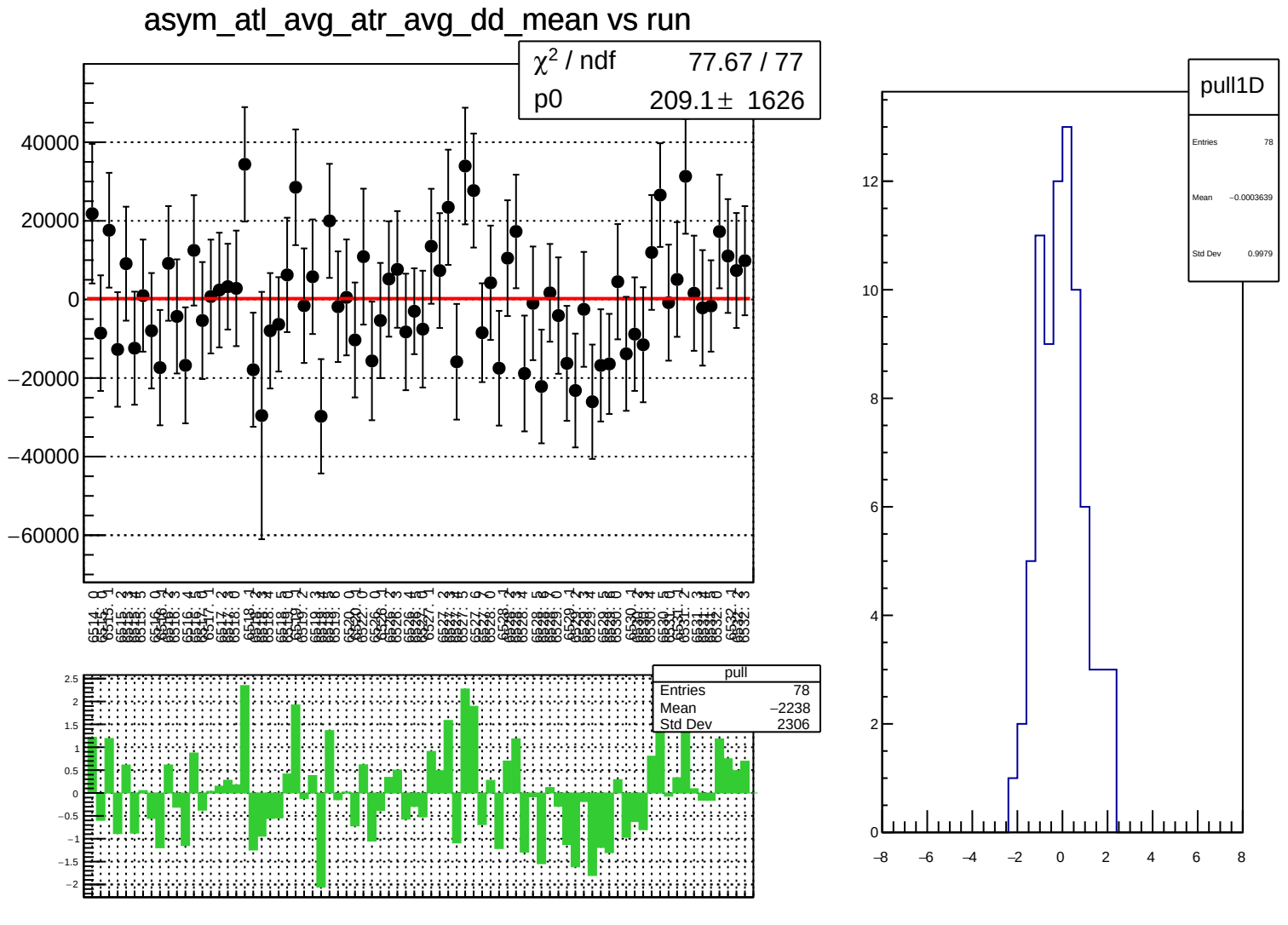

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.67 / 77
p0 550 ± 1586
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −356.7
Std Dev 406.9
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.004286
Std Dev 0.9784
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_atr_avg_dd_rms vs run

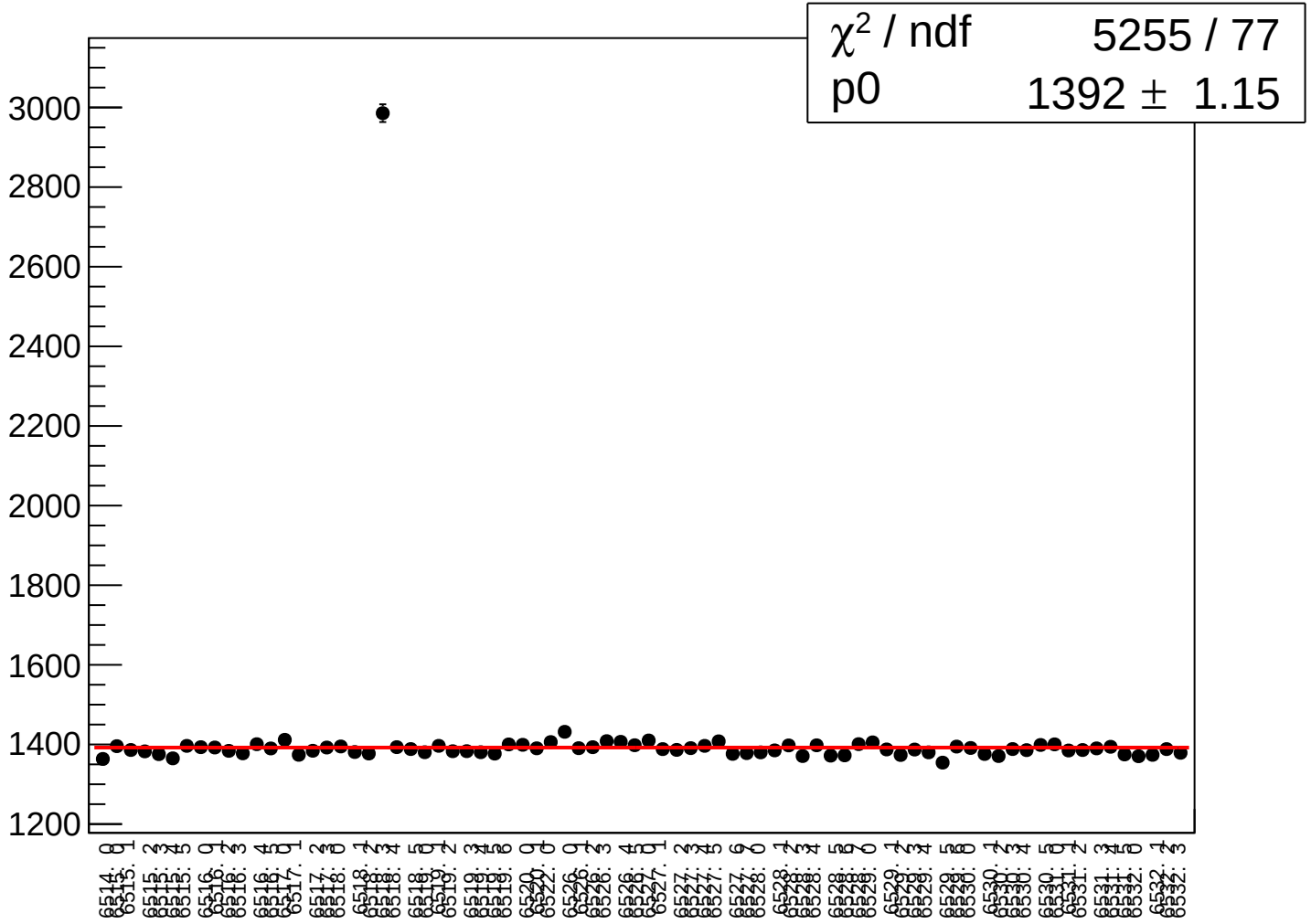


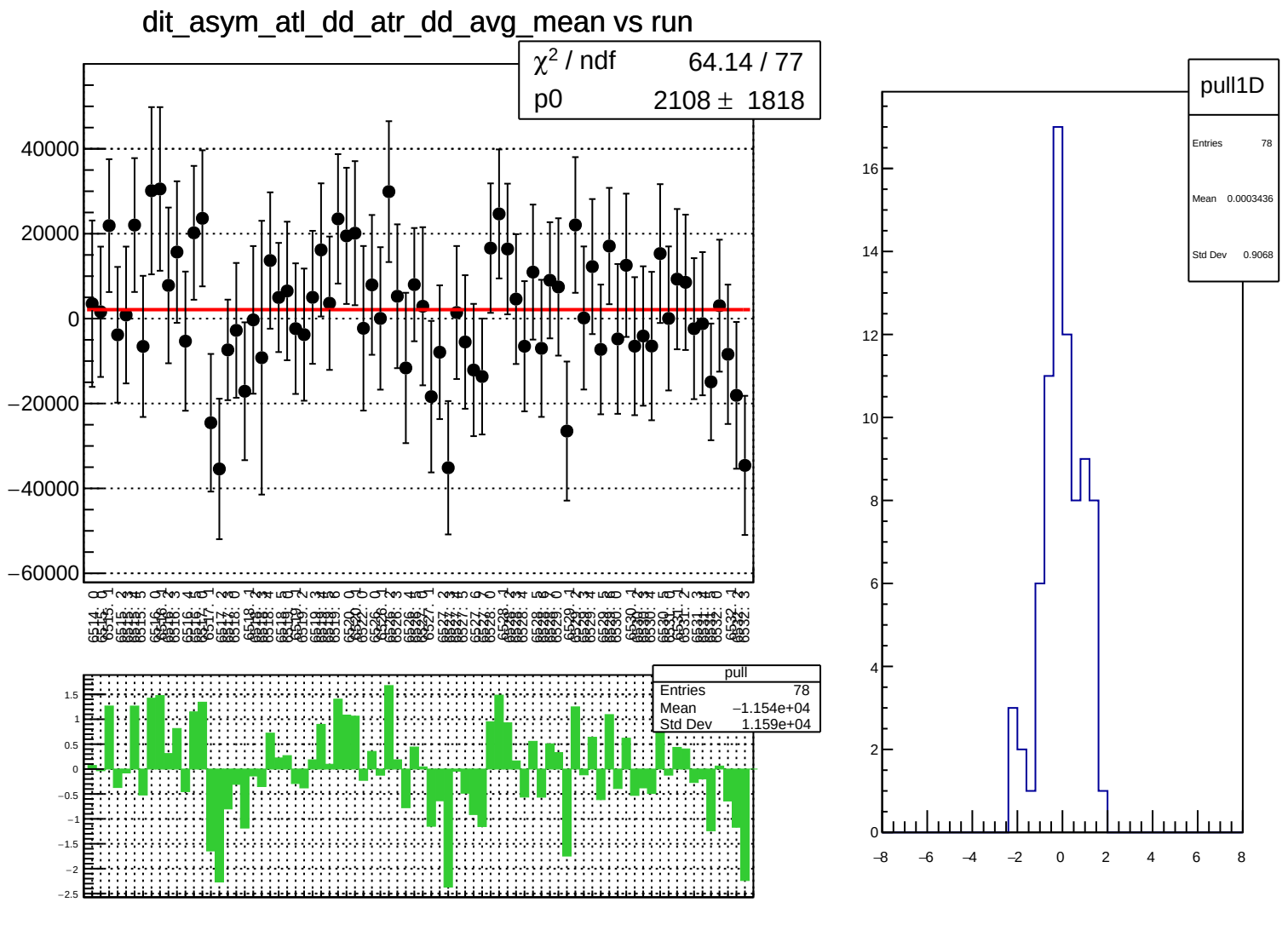

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 88.88 / 77
p0 285.4 ± 337.8
pull
Entries 78
Mean −364.8
Std Dev 397.5
pull1D
Entries 78
Mean −0.01051
Std Dev 1.067


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.439e+04 / 77
p0 287.3 ± 0.2389
380
360
340
320
300
280
260
240
220
200

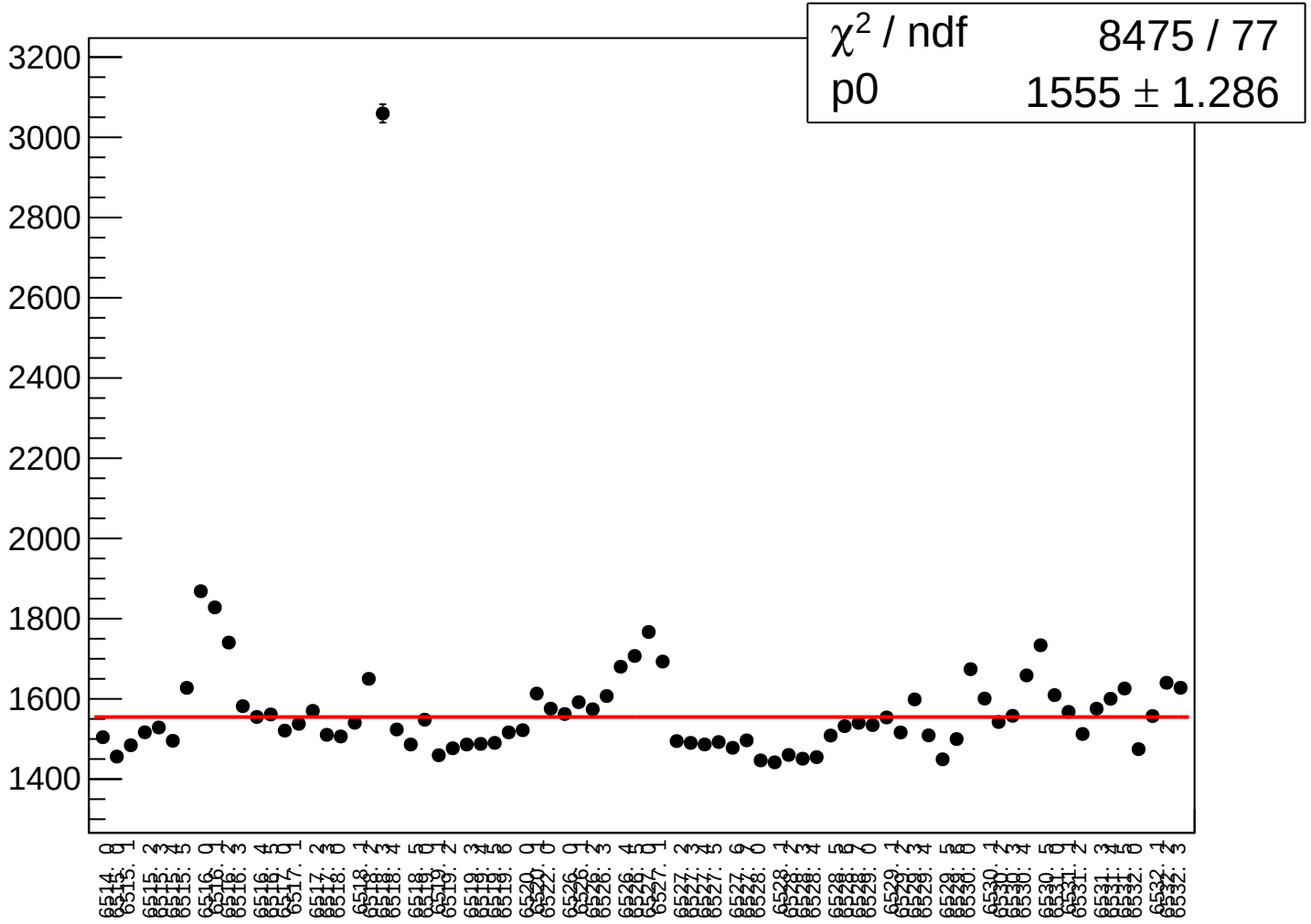

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.67 / 77
p0 209.1 ± 1626
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −2238
Std Dev 2306
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.0003639
Std Dev 0.9979
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

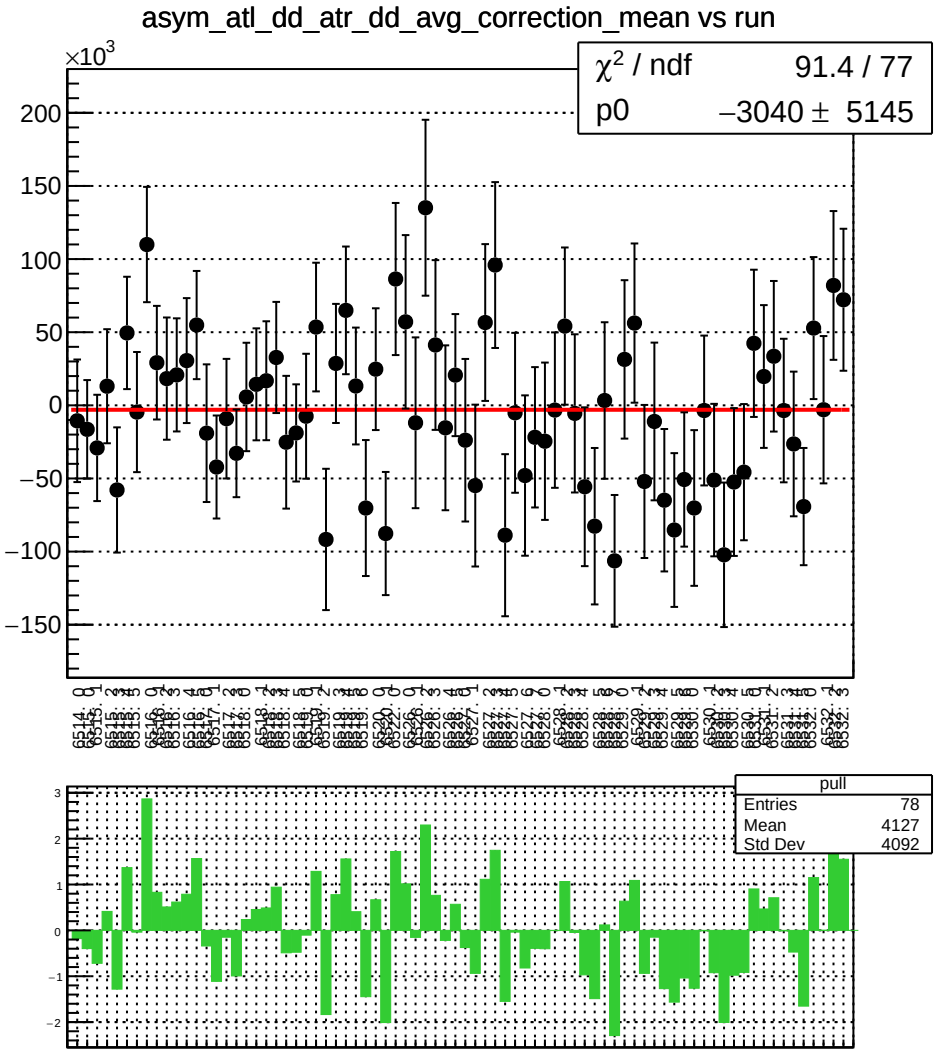
asym_atl_avg_atr_avg_dd_rms vs run

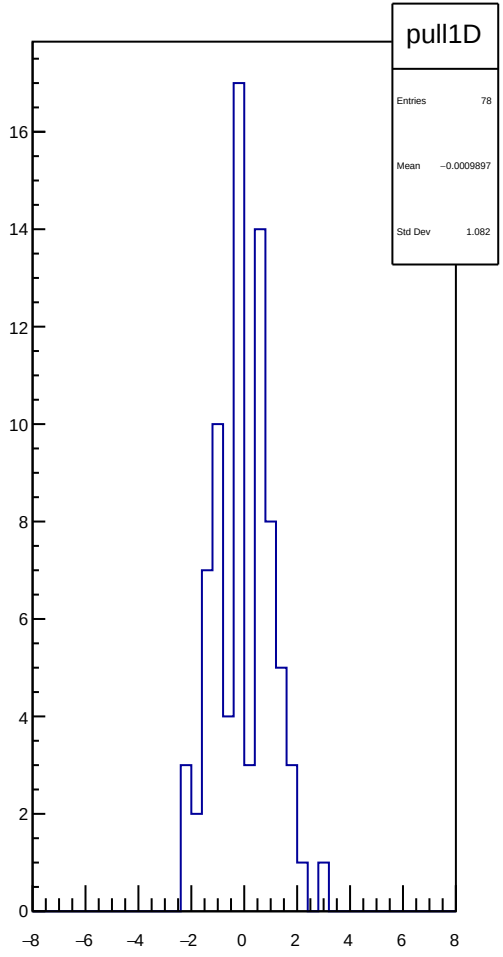


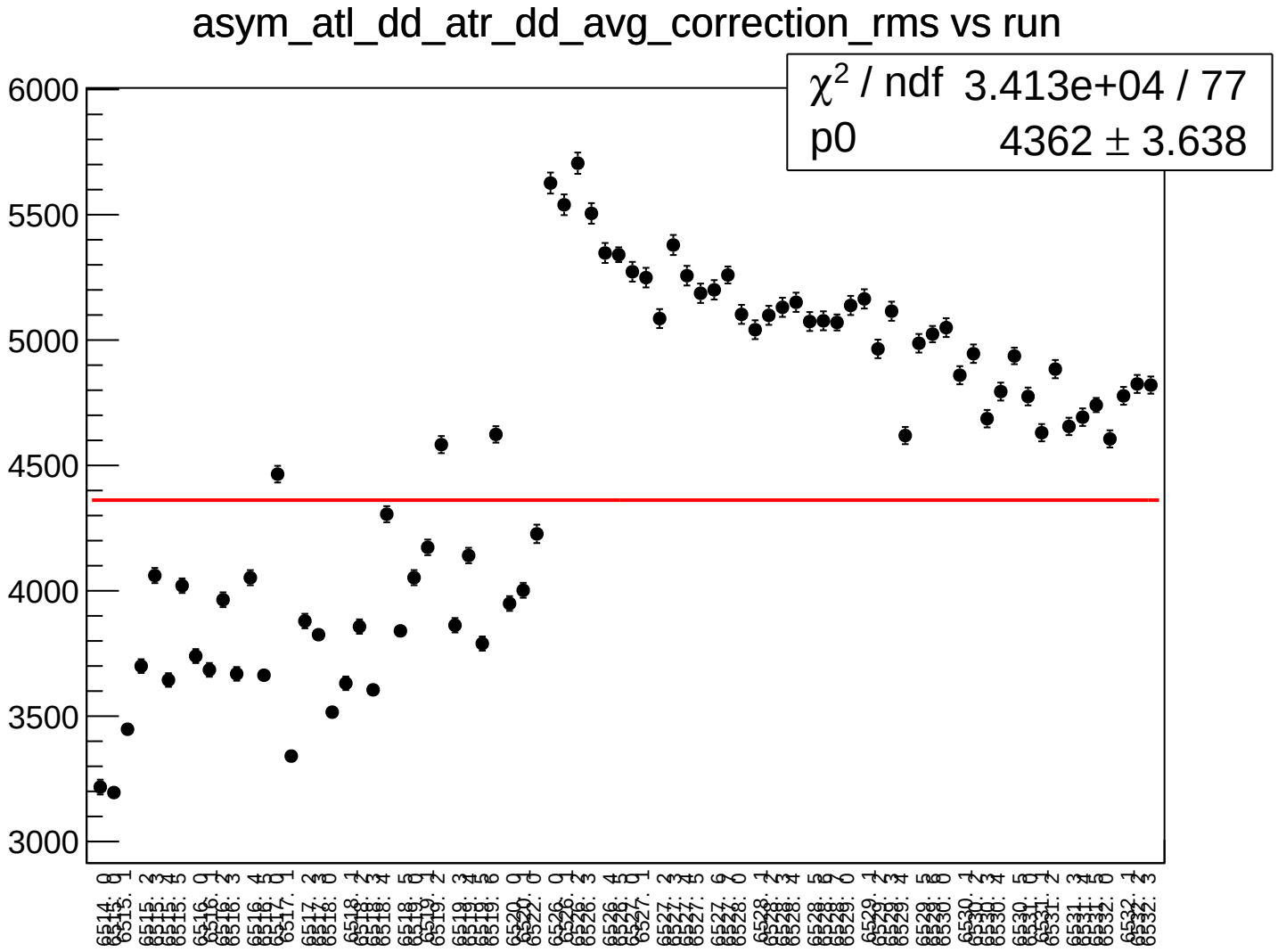

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 64.14 / 77
p0 2108 ± 1818
pull
Entries 78
Mean −1.154e+04
Std Dev 1.159e+04
pull1D
Entries 78
Mean 0.0003436
Std Dev 0.9068

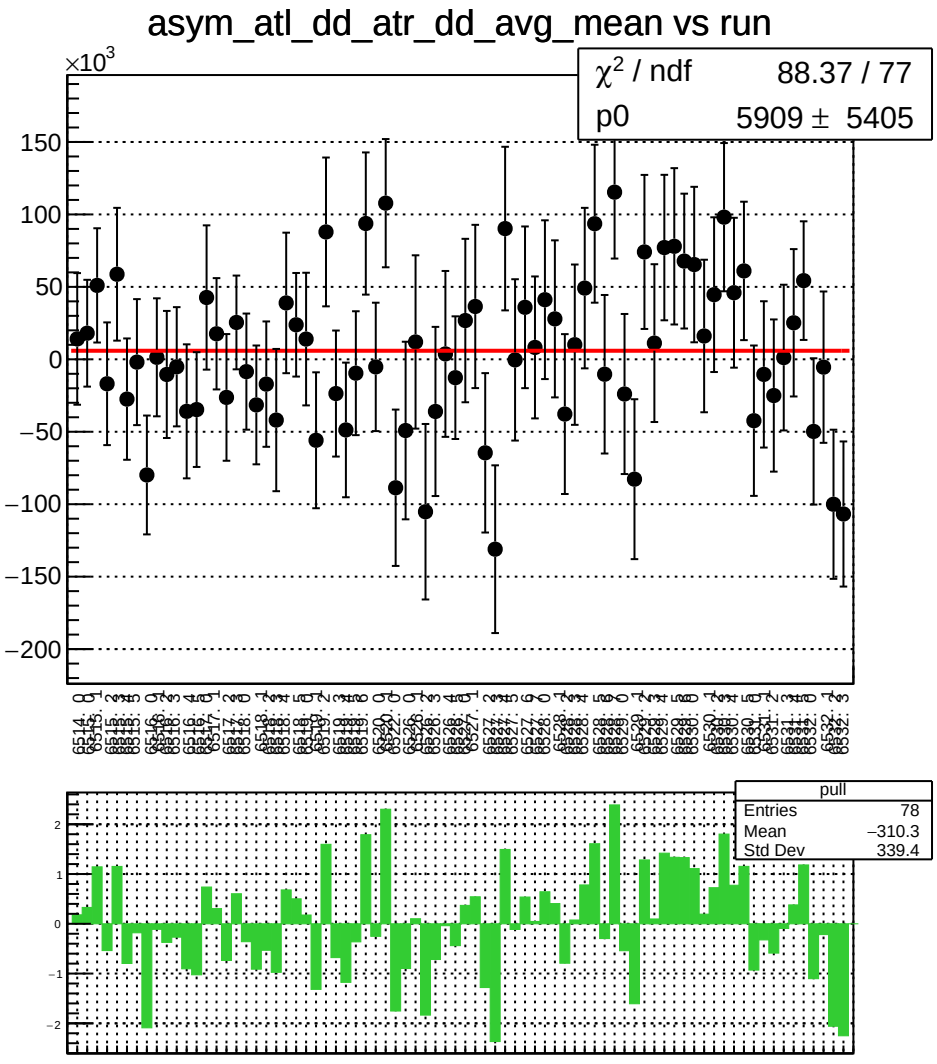
dit_asym_atl_dd_atr_dd_avg_rms vs run

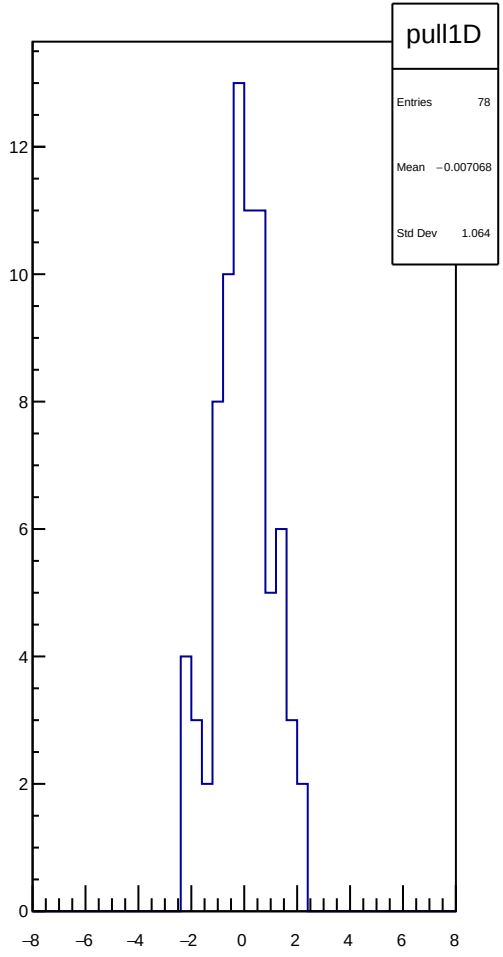


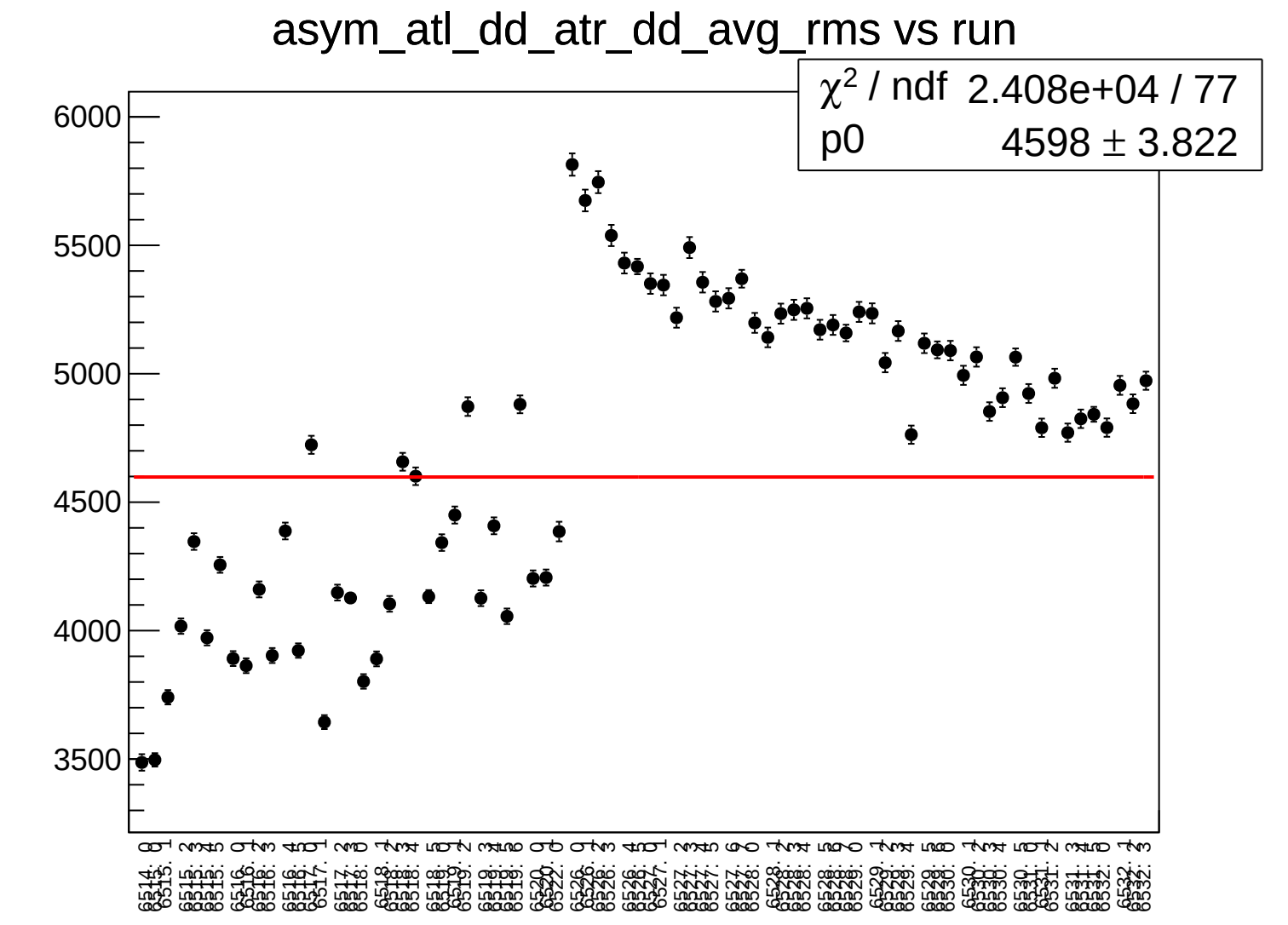

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 91.4 / 77
p0 −3040 ± 5145
pull
Entries 78
Mean 4127
Std Dev 4092

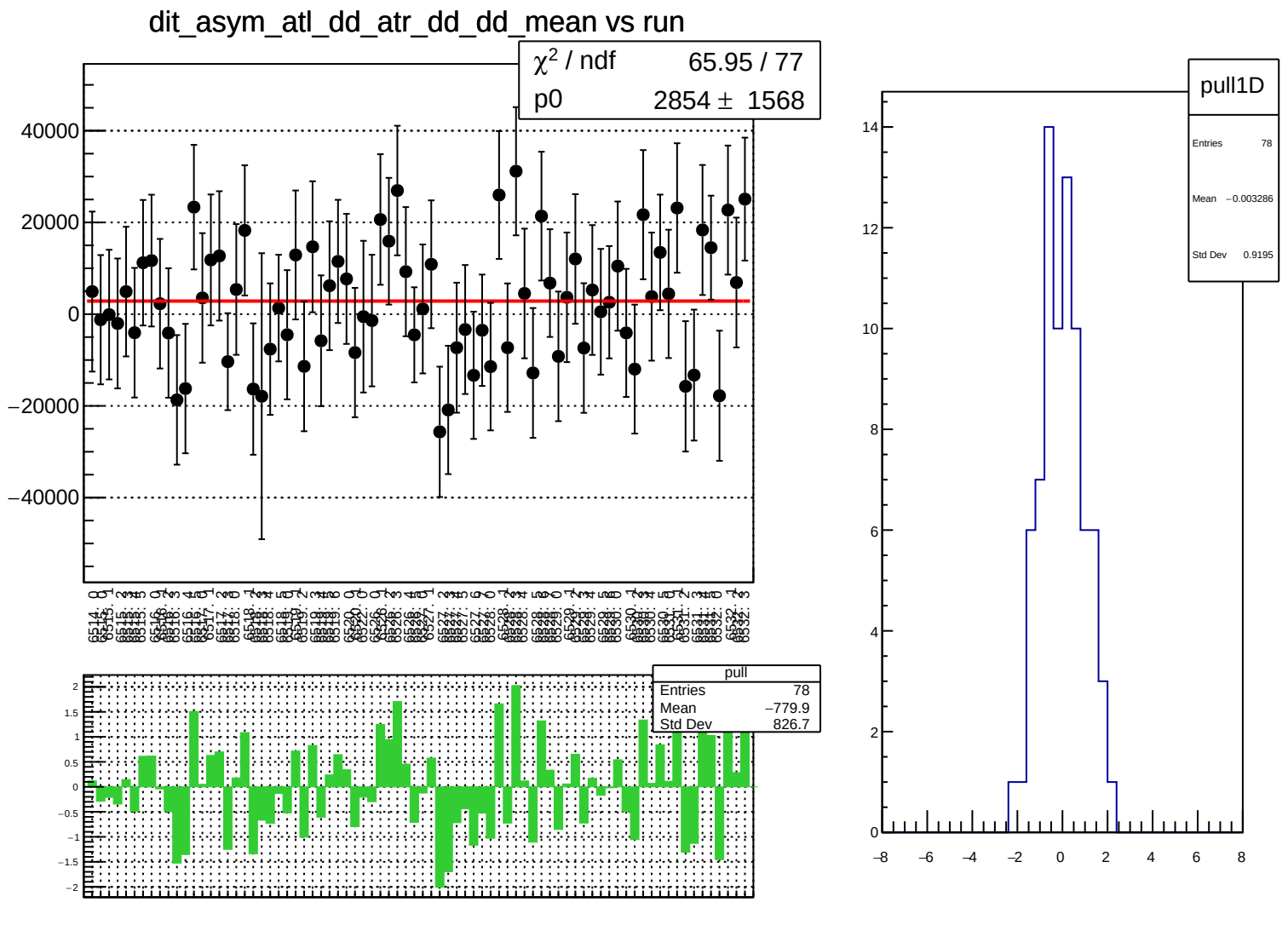

pull1D
Entries 78
Mean −0.0009897
Std Dev 1.082


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.413e+04 / 77
p0 4362 ± 3.638
6000
5500
5000
4500
4000
3500
3000

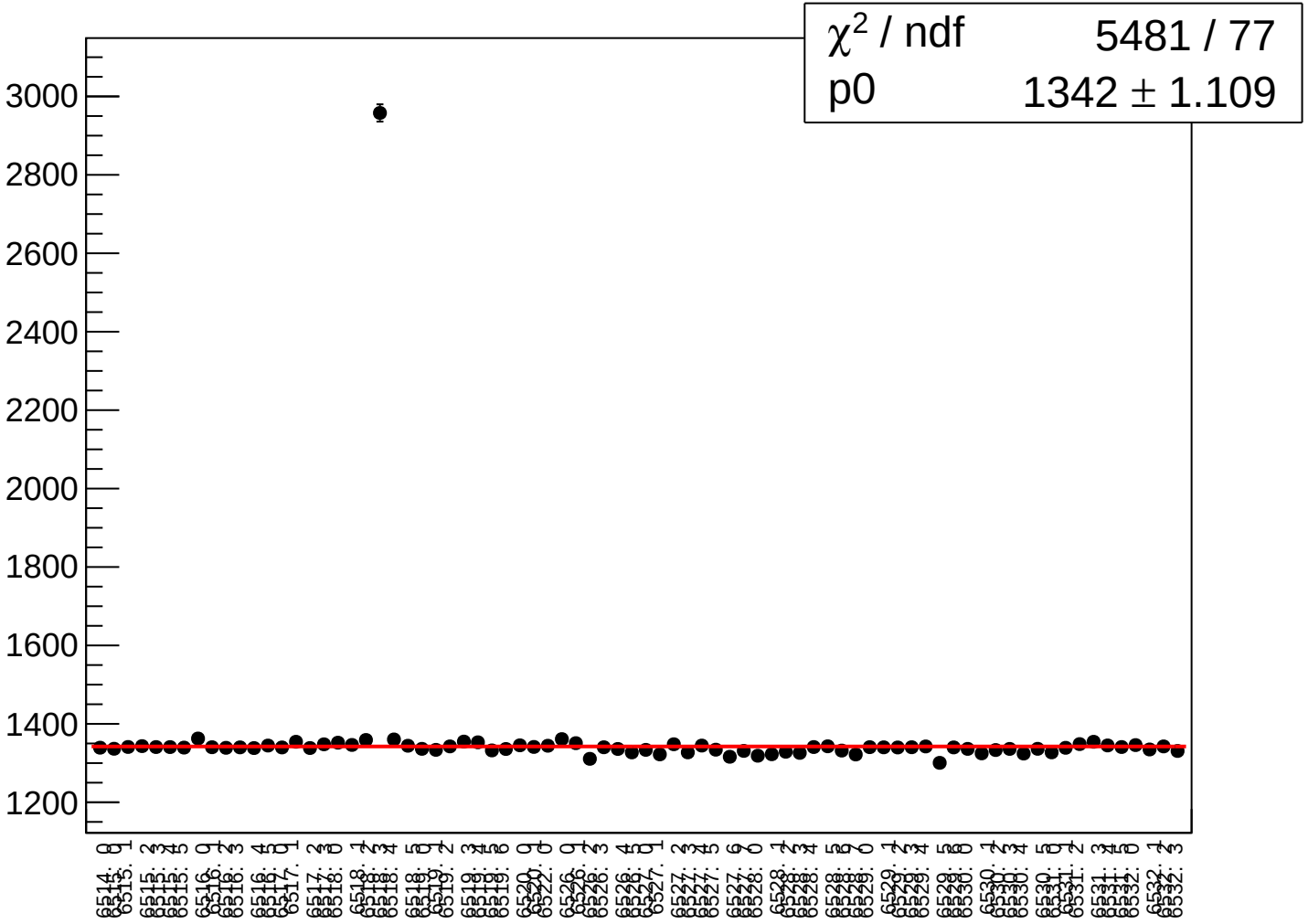

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 88.37 / 77
p0 5909 ± 5405
pull
Entries 78
Mean −310.3
Std Dev 339.4

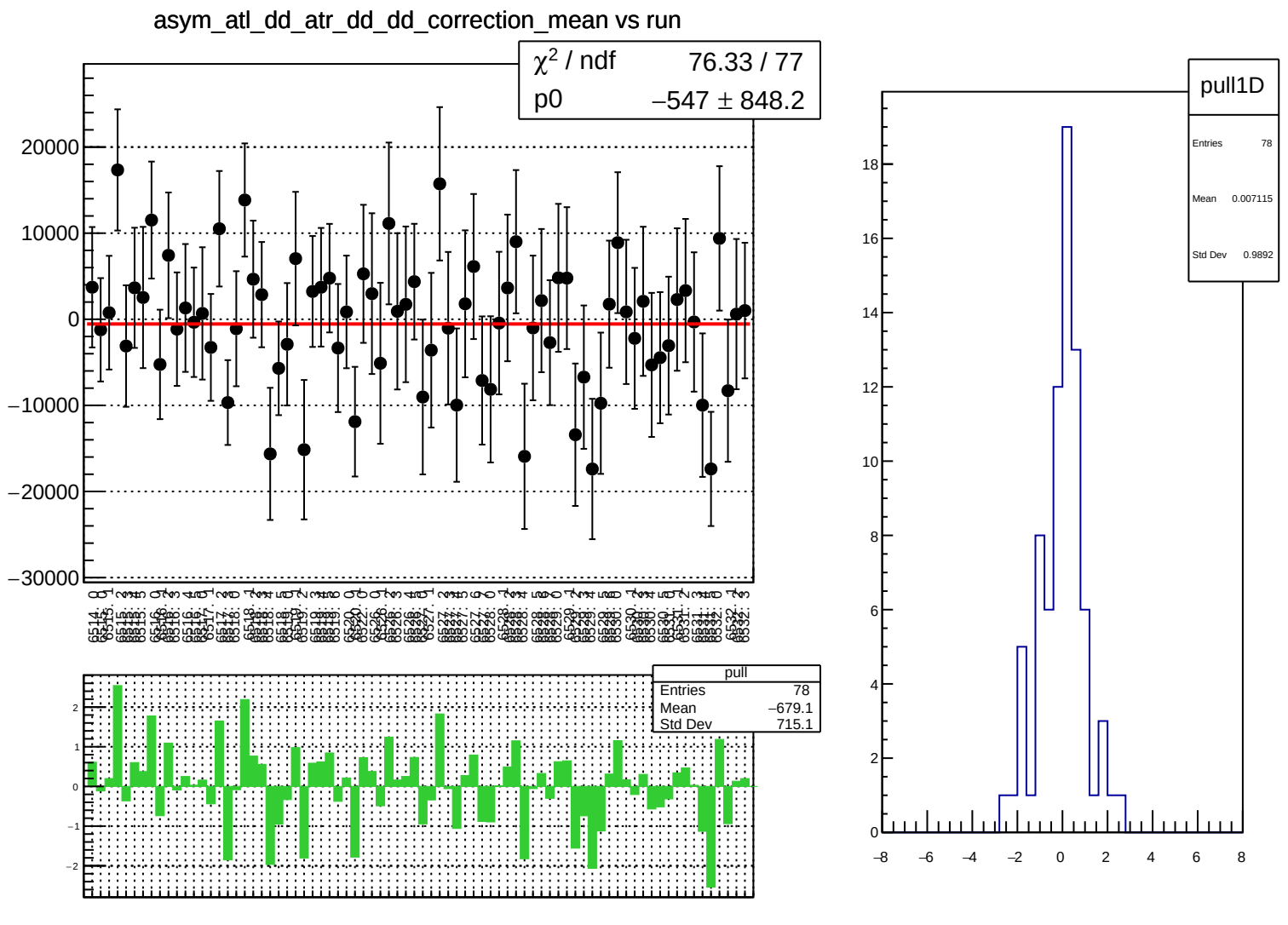

pull1D
Entries 78
Mean −0.007068
Std Dev 1.064

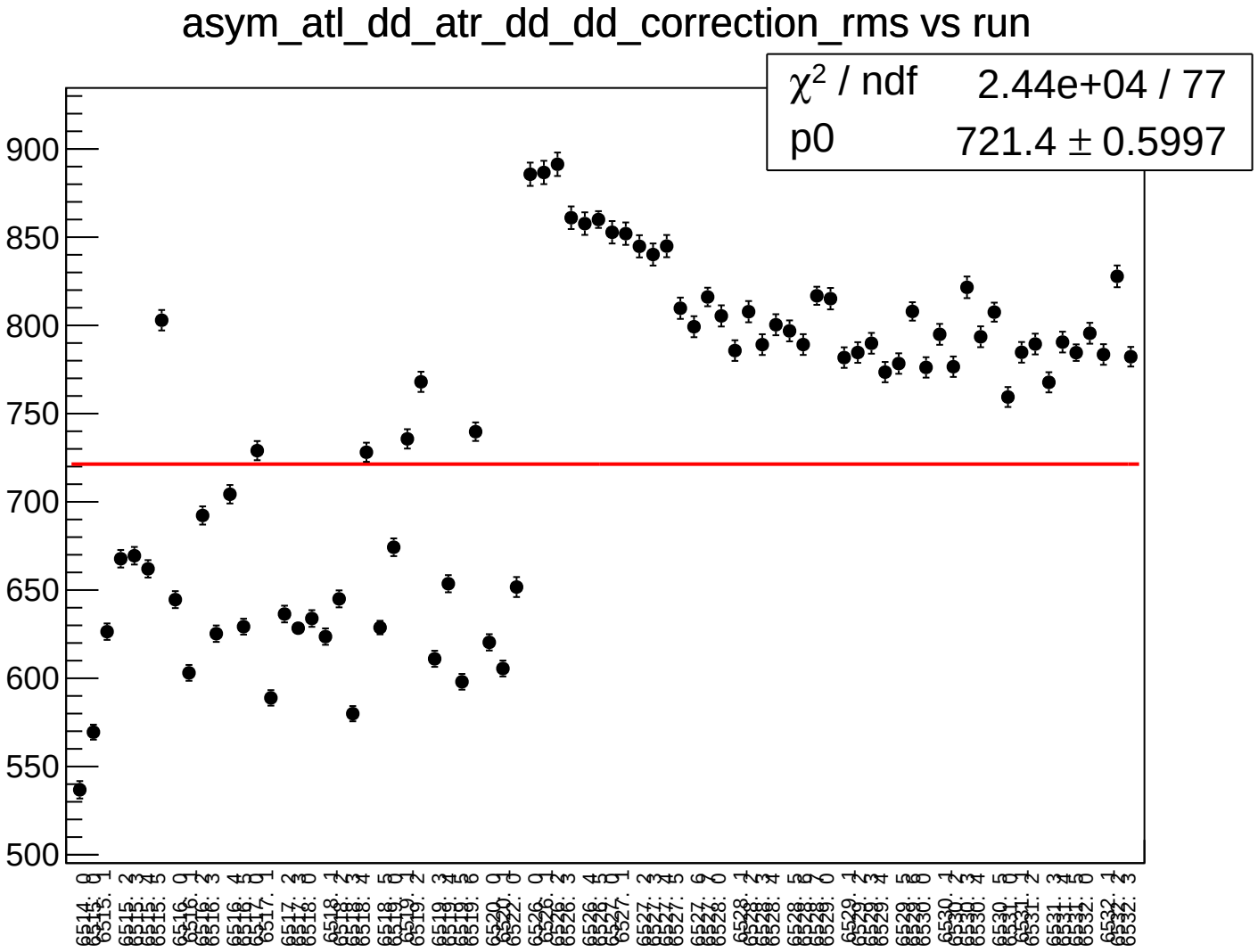

asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 2.408e+04 / 77
p0 4598 ± 3.822
6000
5500
5000
4500
4000
3500

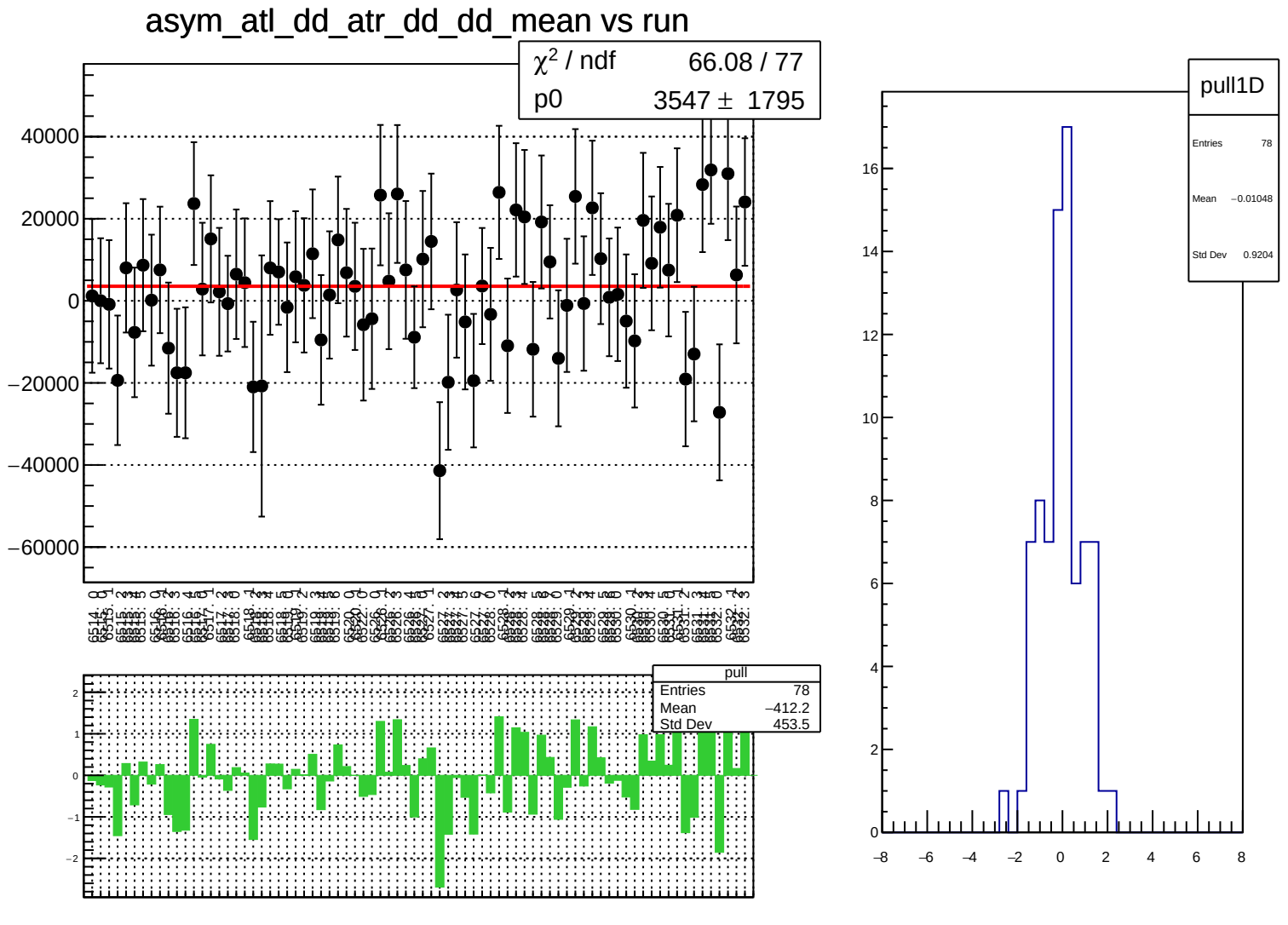

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 65.95 / 77
p0 2854 ± 1568
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −779.9
Std Dev 826.7
pull1D
Entries 78
Mean −0.003286
Std Dev 0.9195

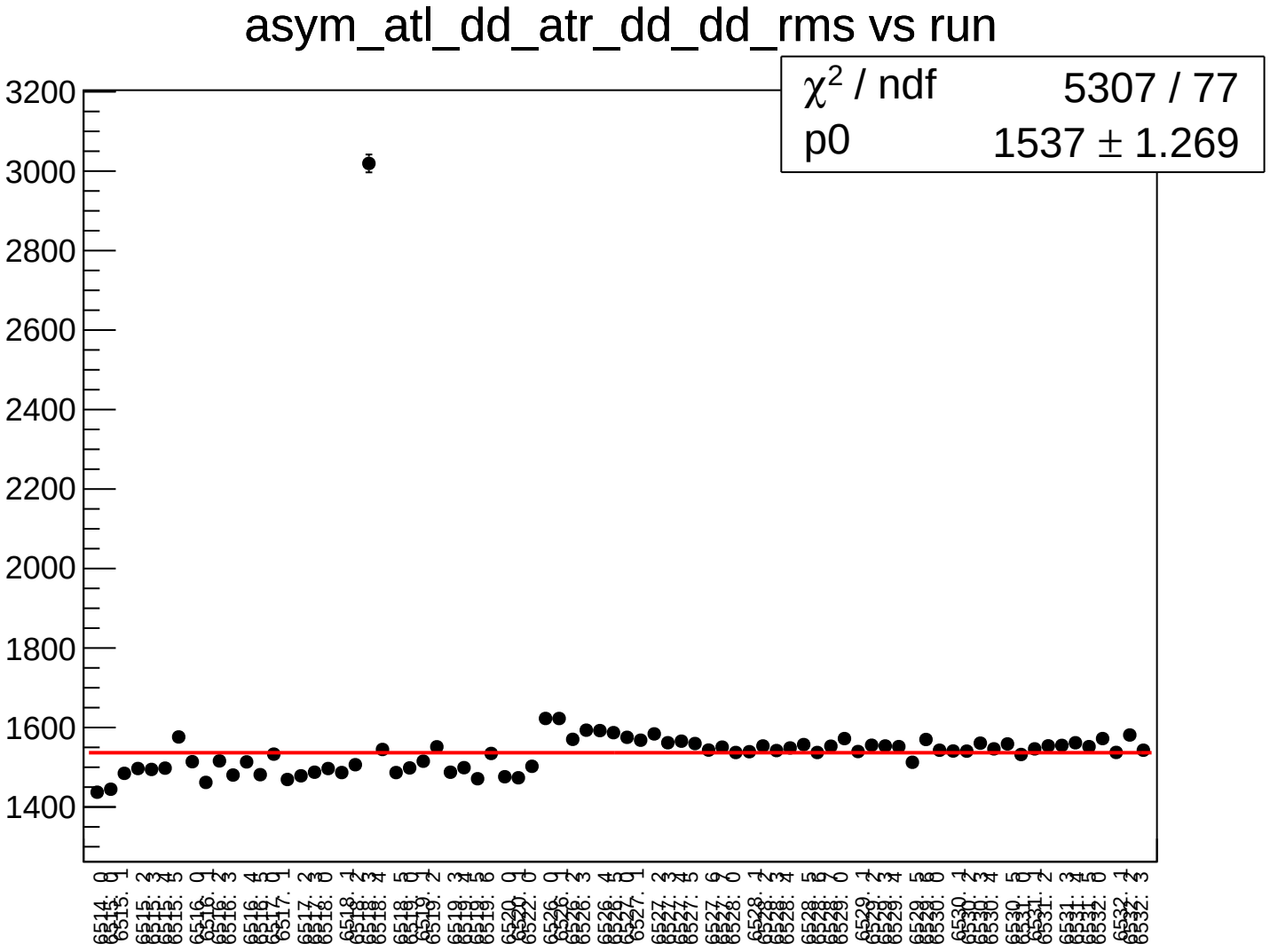
dit_asym_atl_dd_atr_dd_dd_rms vs run

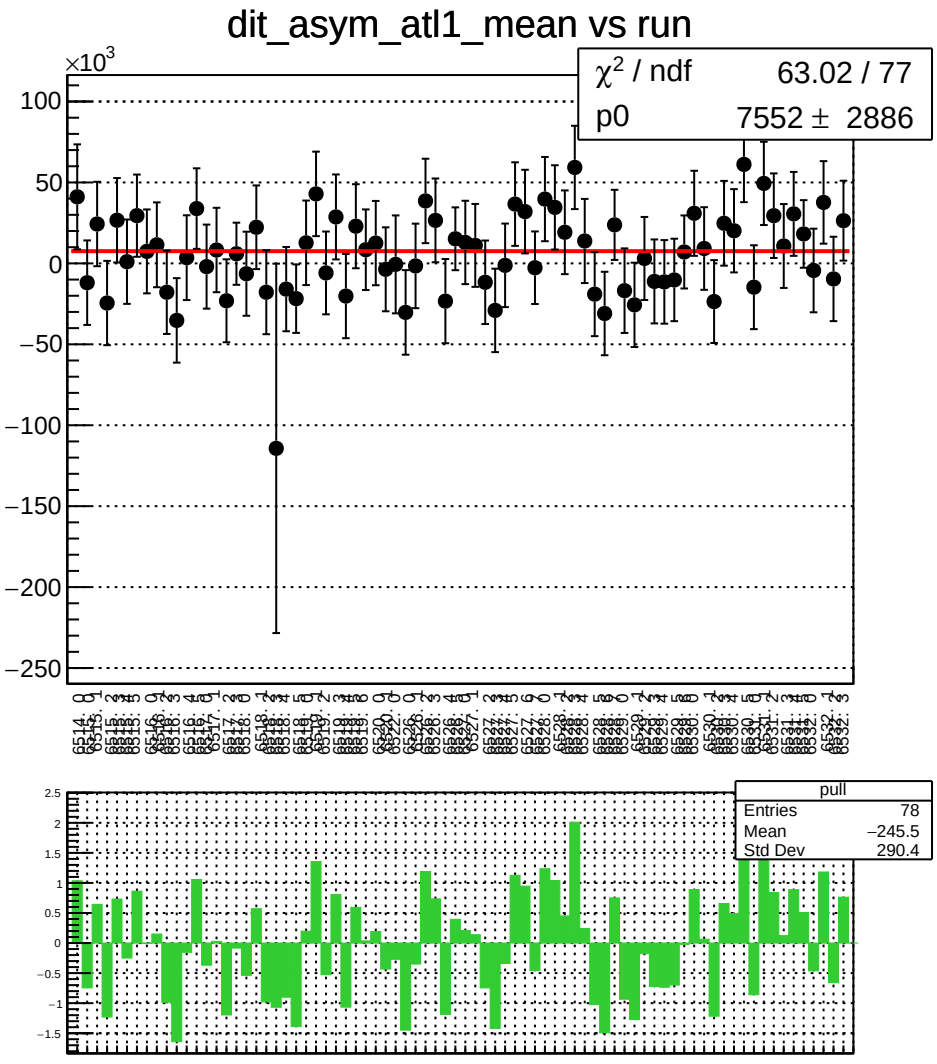


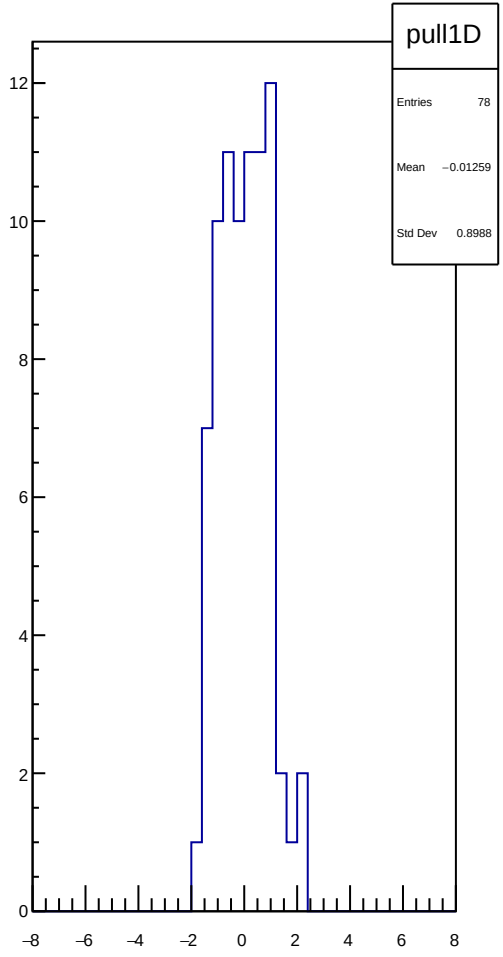

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 76.33 / 77
p0 −547 ± 848.2
pull
Entries 78
Mean −679.1
Std Dev 715.1
pull1D
Entries 78
Mean 0.007115
Std Dev 0.9892


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 2.44e+04 / 77
p0 721.4 ± 0.5997
900
850
800
750
700
650
600
550
500

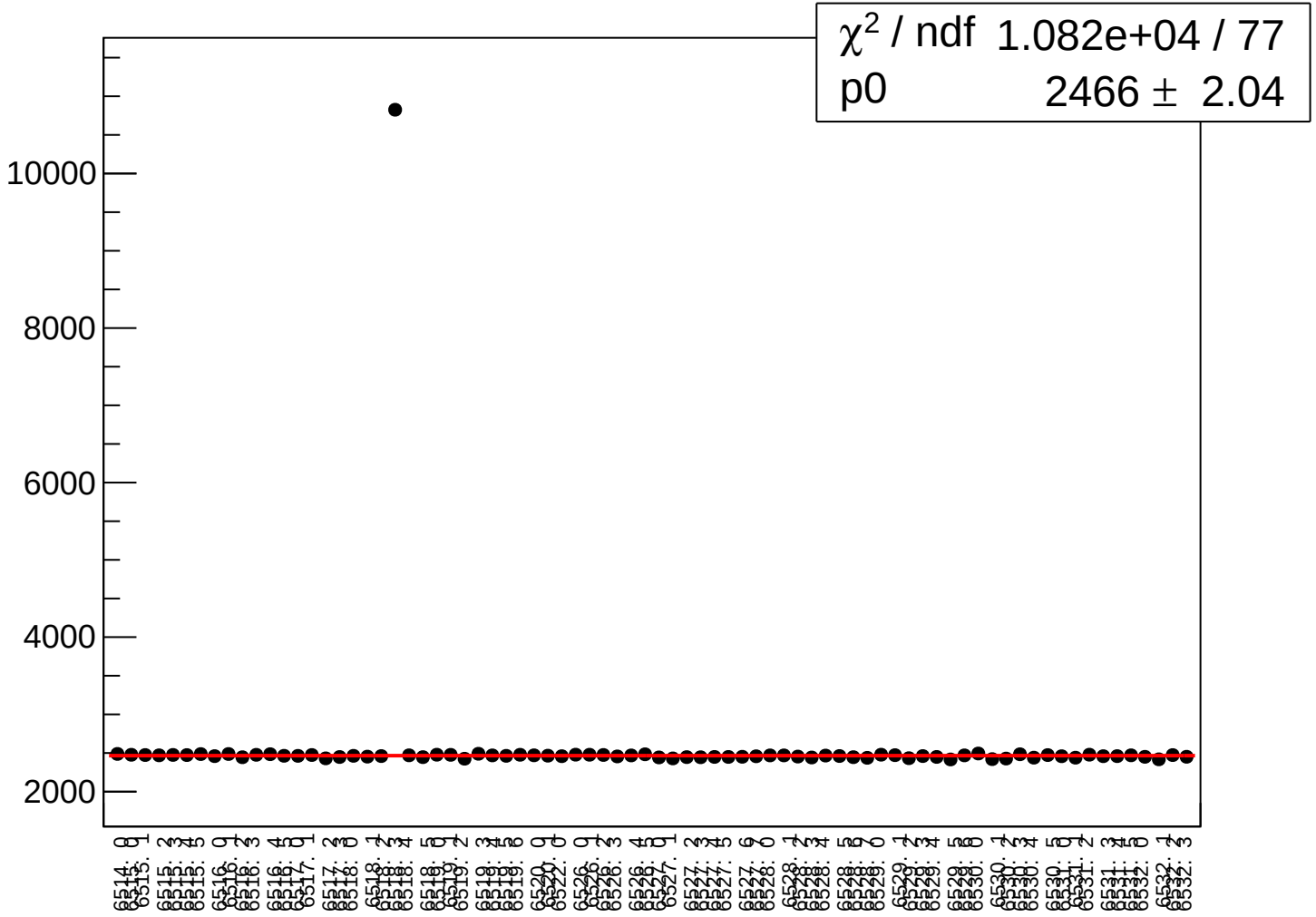

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 66.08 / 77
p0 3547 ± 1795
pull
Entries 78
Mean −412.2
Std Dev 453.5
pull1D
Entries 78
Mean −0.01048
Std Dev 0.9204

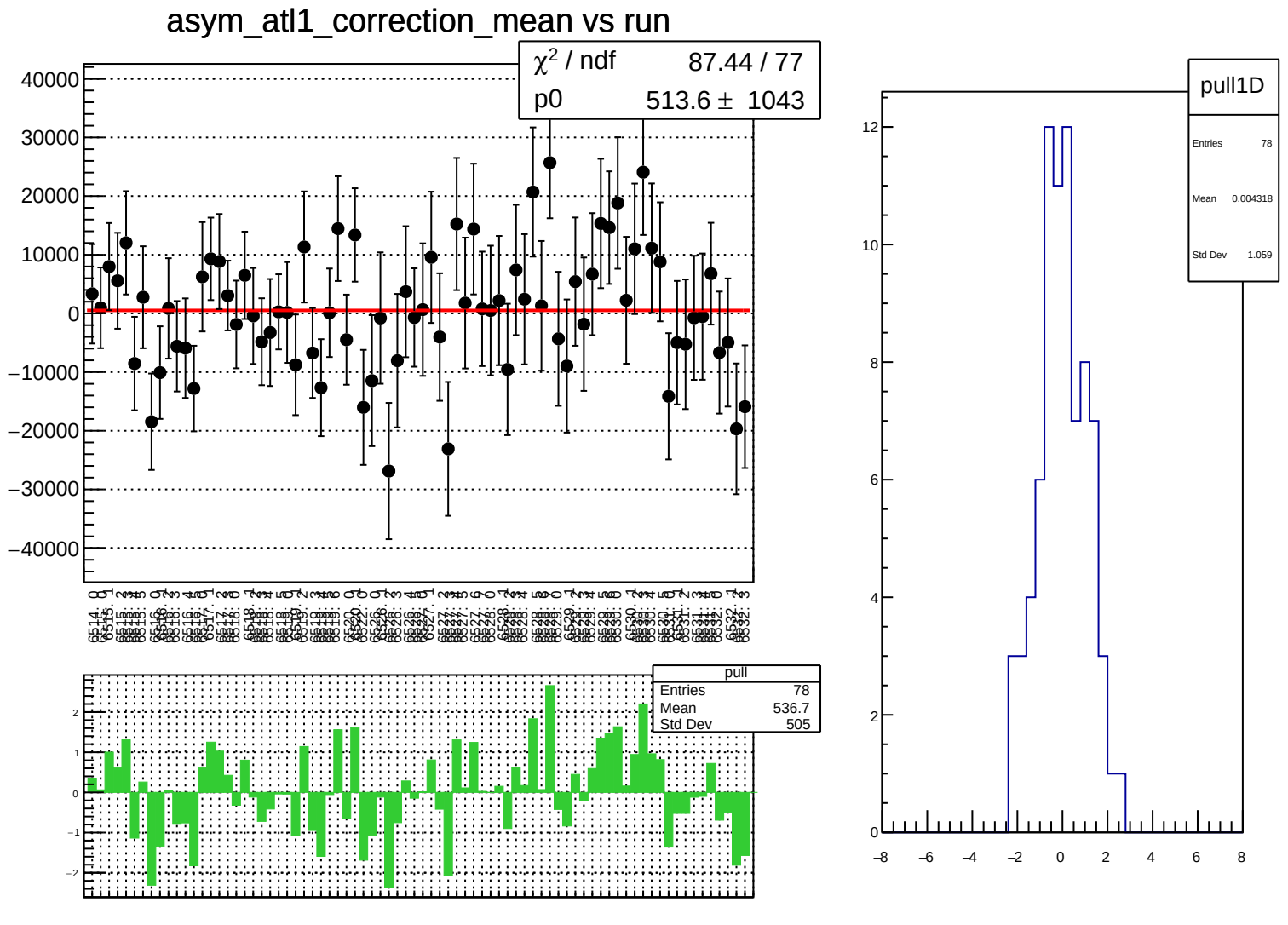

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5307 / 77
p0 1537 ± 1.269
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

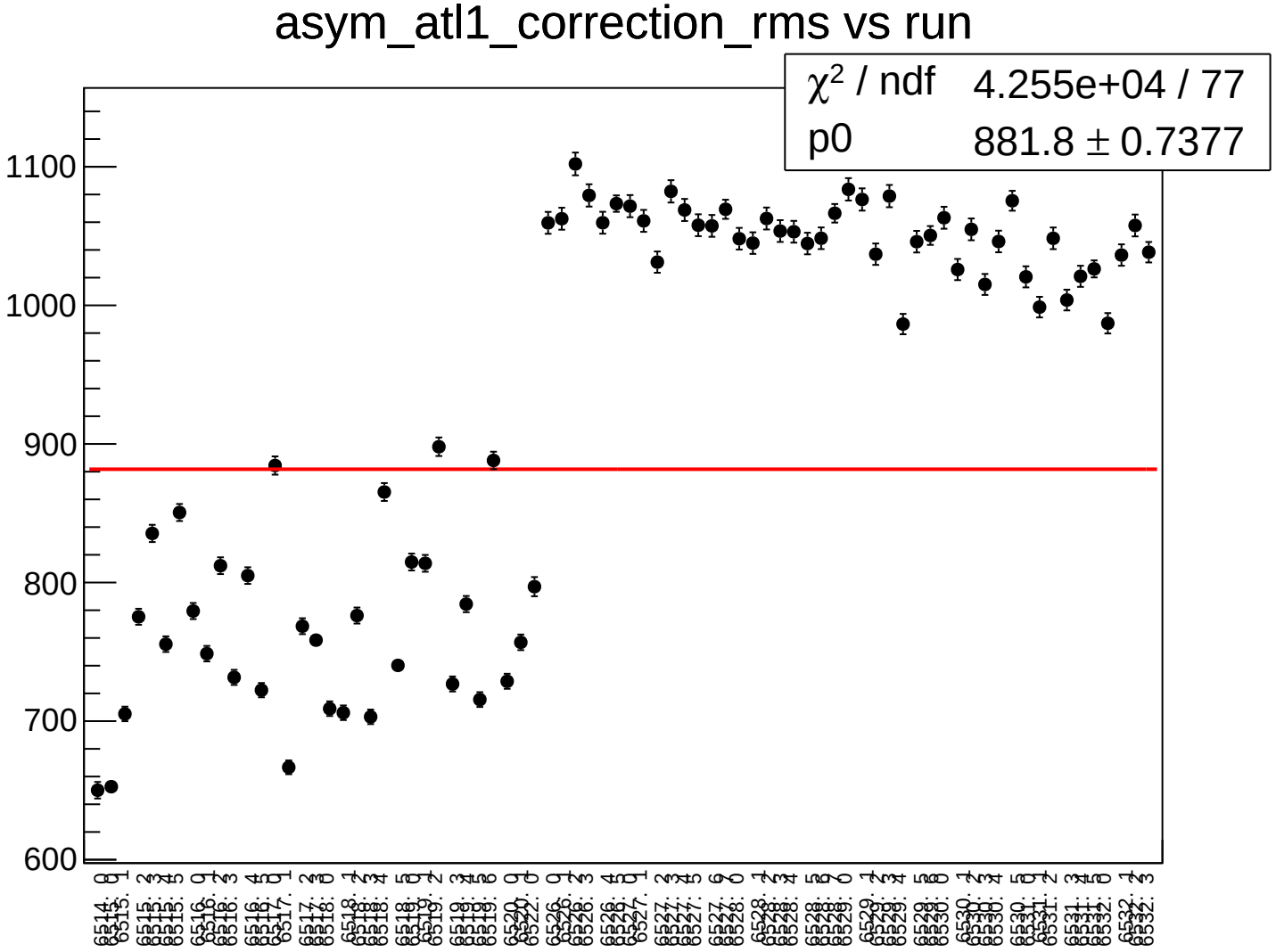

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 63.02 / 77
p0 7552 ± 2886
pull
Entries 78
Mean −245.5
Std Dev 290.4

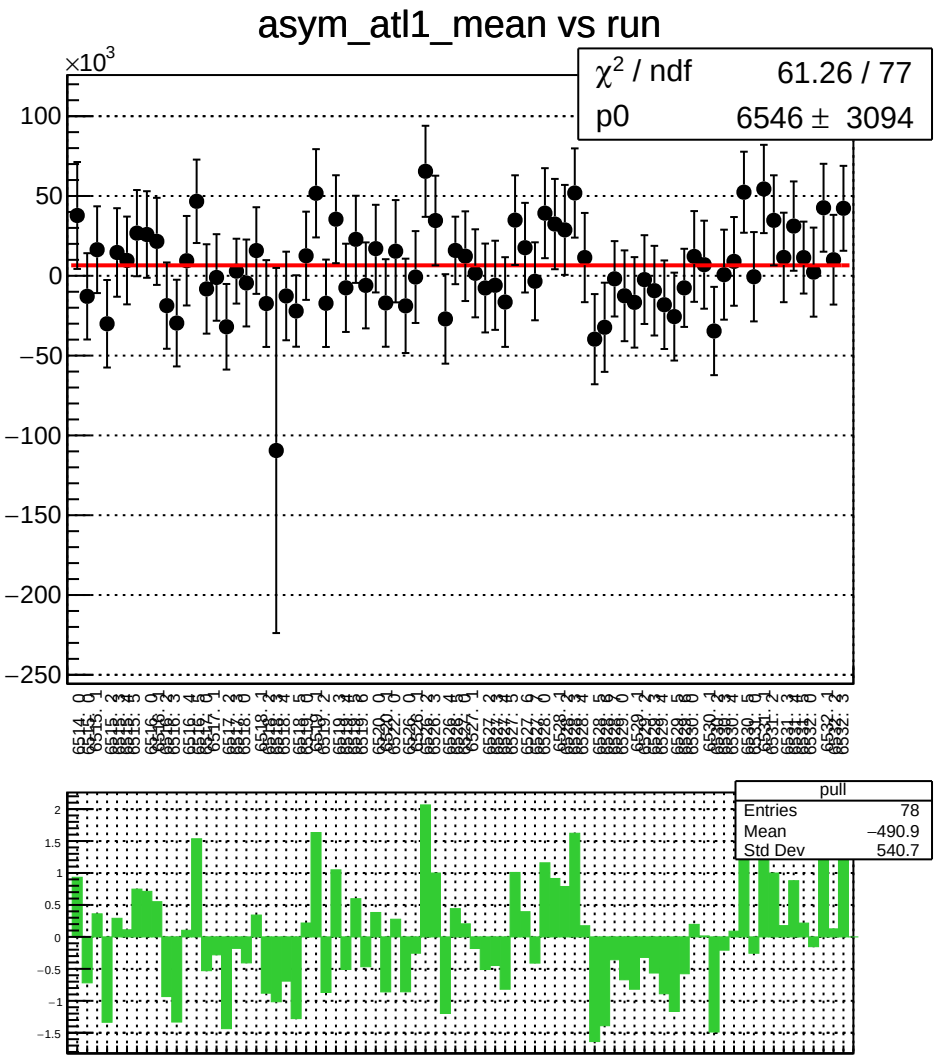

pull1D
Entries 78
Mean −0.01259
Std Dev 0.8988

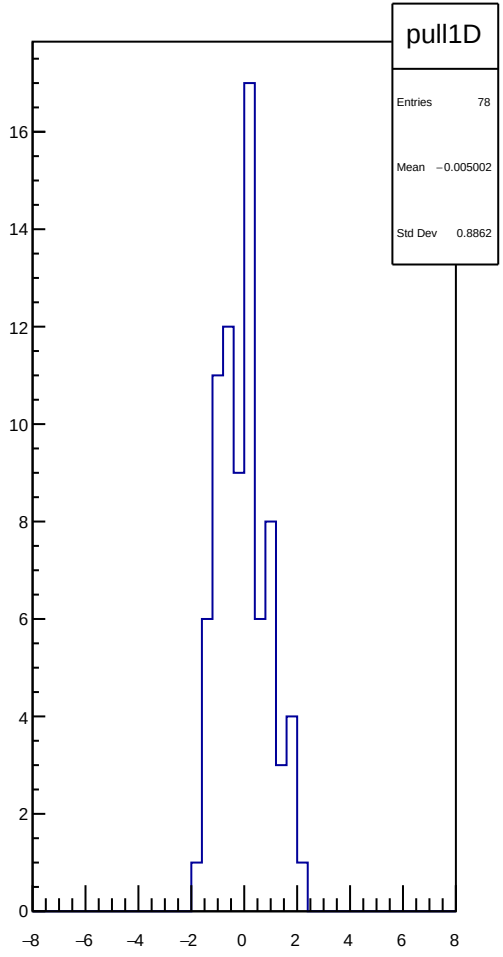
dit_asym_atl1_rms vs run

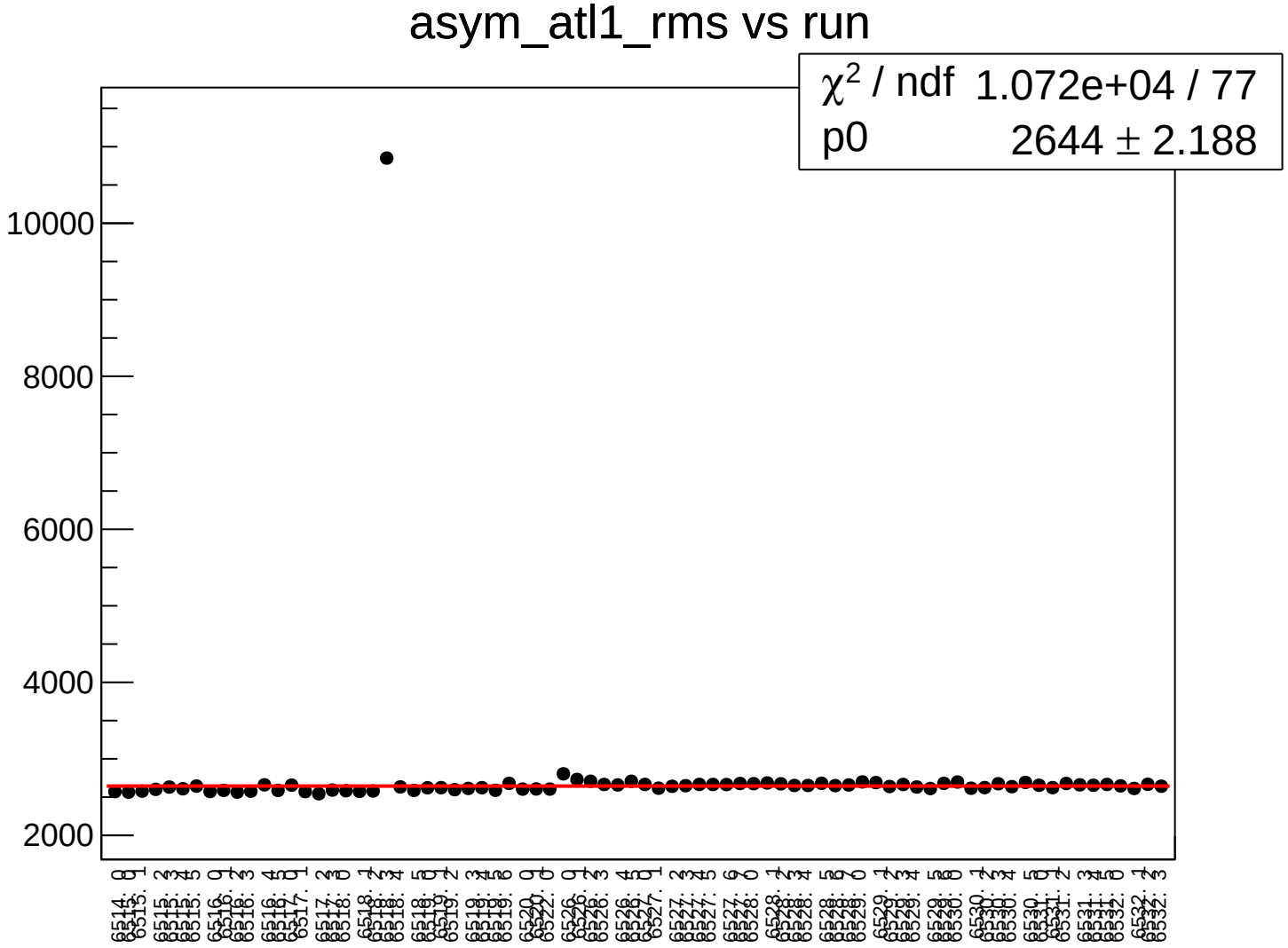


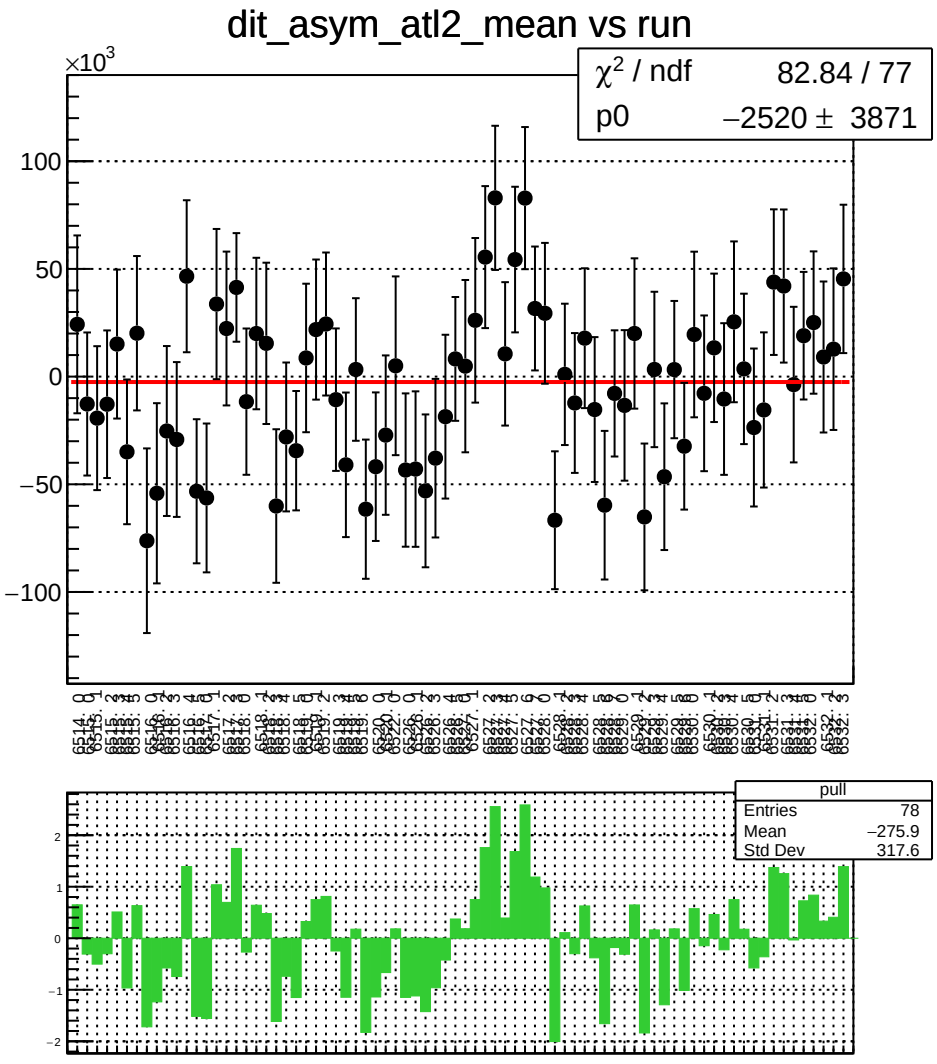

asym_atl1_correction_mean vs run
χ² / ndf 87.44 / 77
p0 513.6 ± 1043
pull
Entries 78
Mean 536.7
Std Dev 505
pull1D
Entries 78
Mean 0.004318
Std Dev 1.059

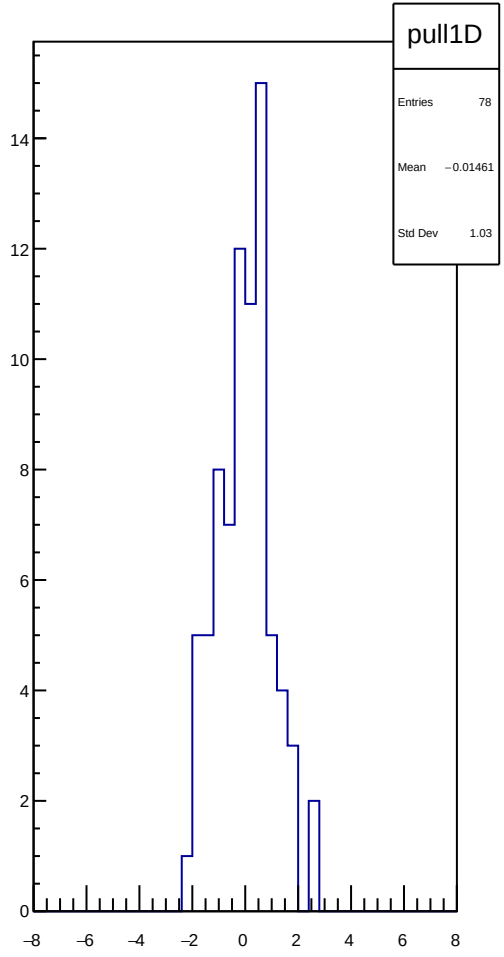

asym_atl1_correction_rms vs run
χ^2 / ndf 4.255e+04 / 77
p0 881.8 ± 0.7377
1100
1000
900
800
700
600

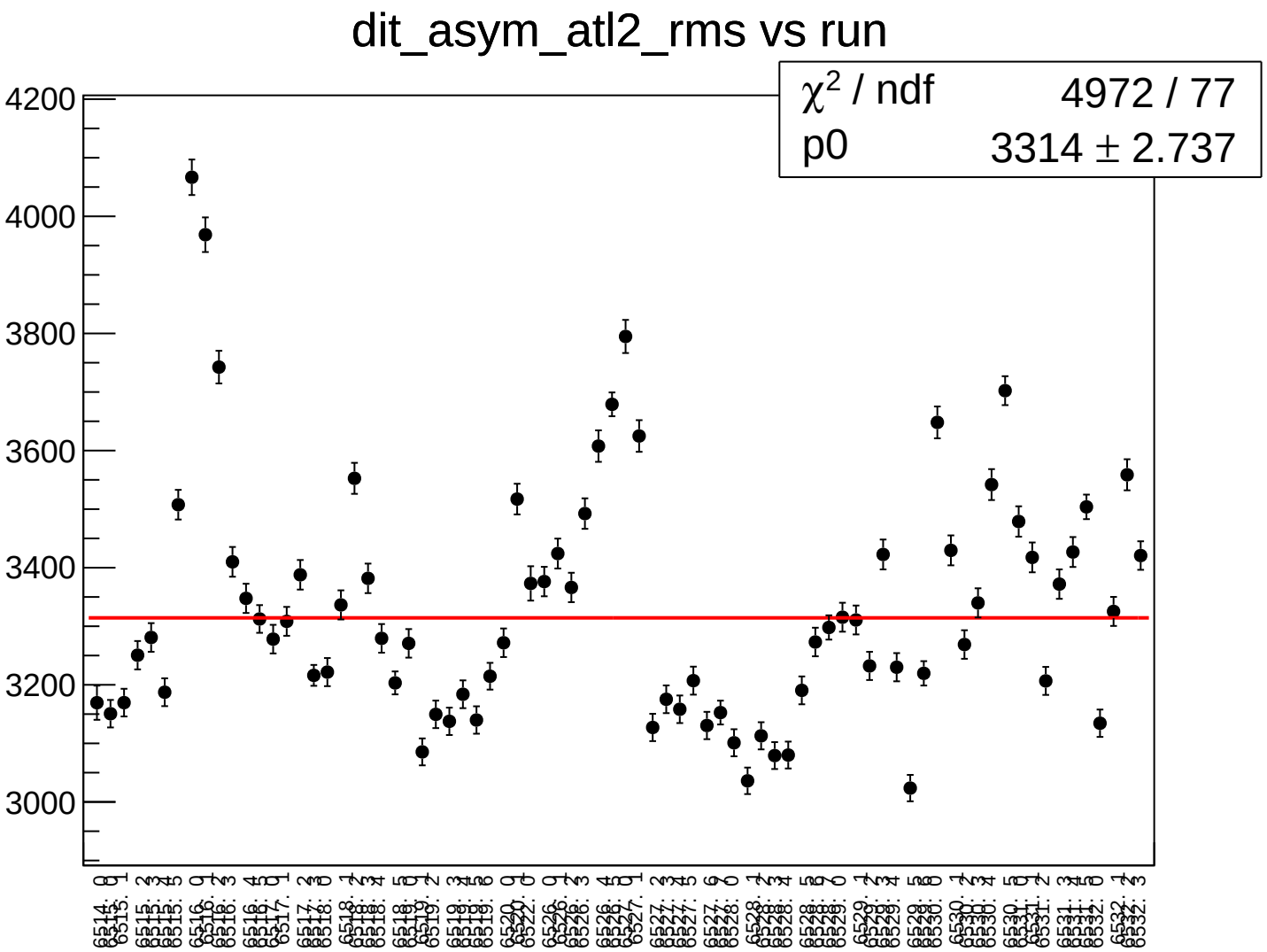

asym_atl1_mean vs run
×10^3
χ^2 / ndf 61.26 / 77
p0 6546 ± 3094
pull
Entries 78
Mean −490.9
Std Dev 540.7

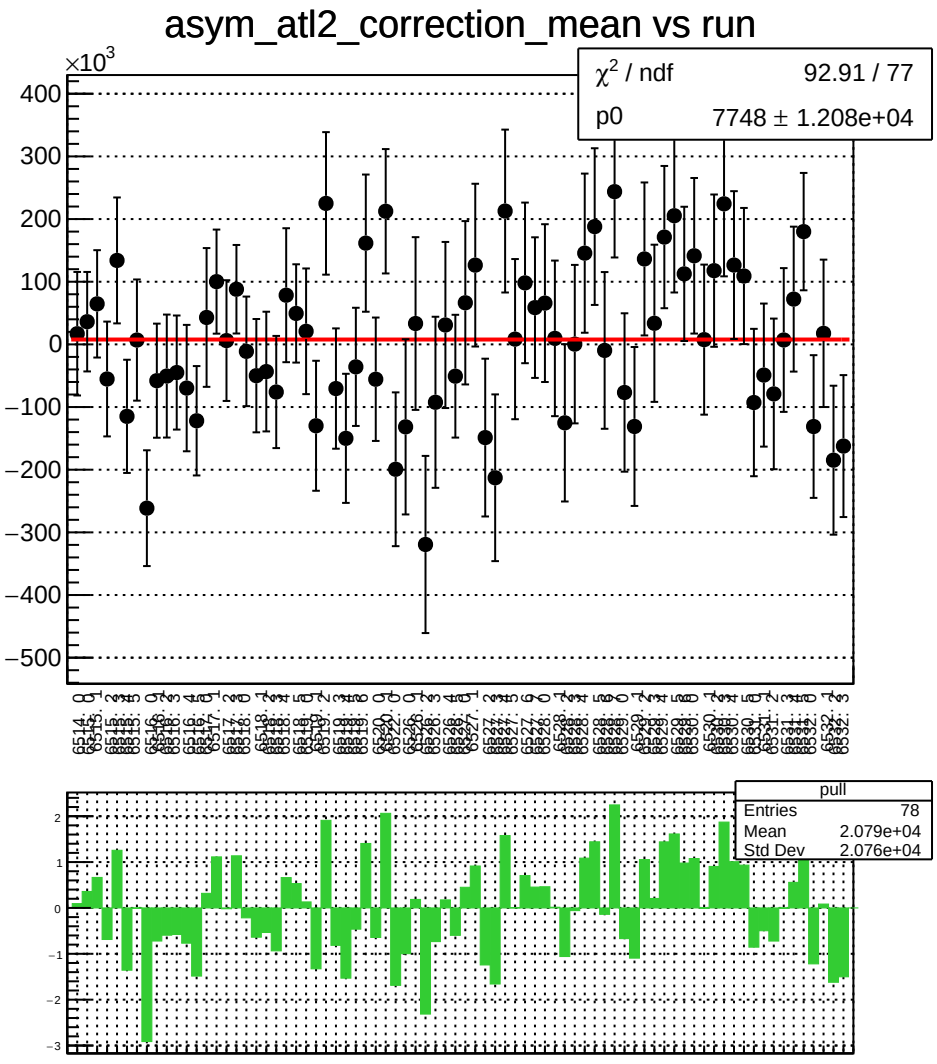

pull1D
Entries 78
Mean −0.005002
Std Dev 0.8862

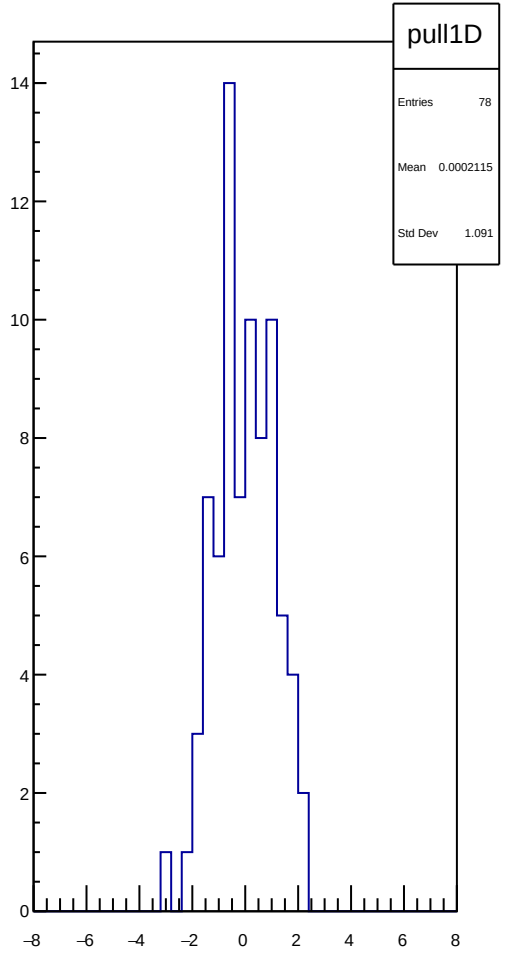

asym_atl1_rms vs run
χ^2 / ndf 1.072e+04 / 77
p0 2644 ± 2.188
10000
8000
6000
4000
2000


dit_asym_atl2_mean vs run
×10^3
χ² / ndf 82.84 / 77
p0 −2520 ± 3871
pull
Entries 78
Mean −275.9
Std Dev 317.6

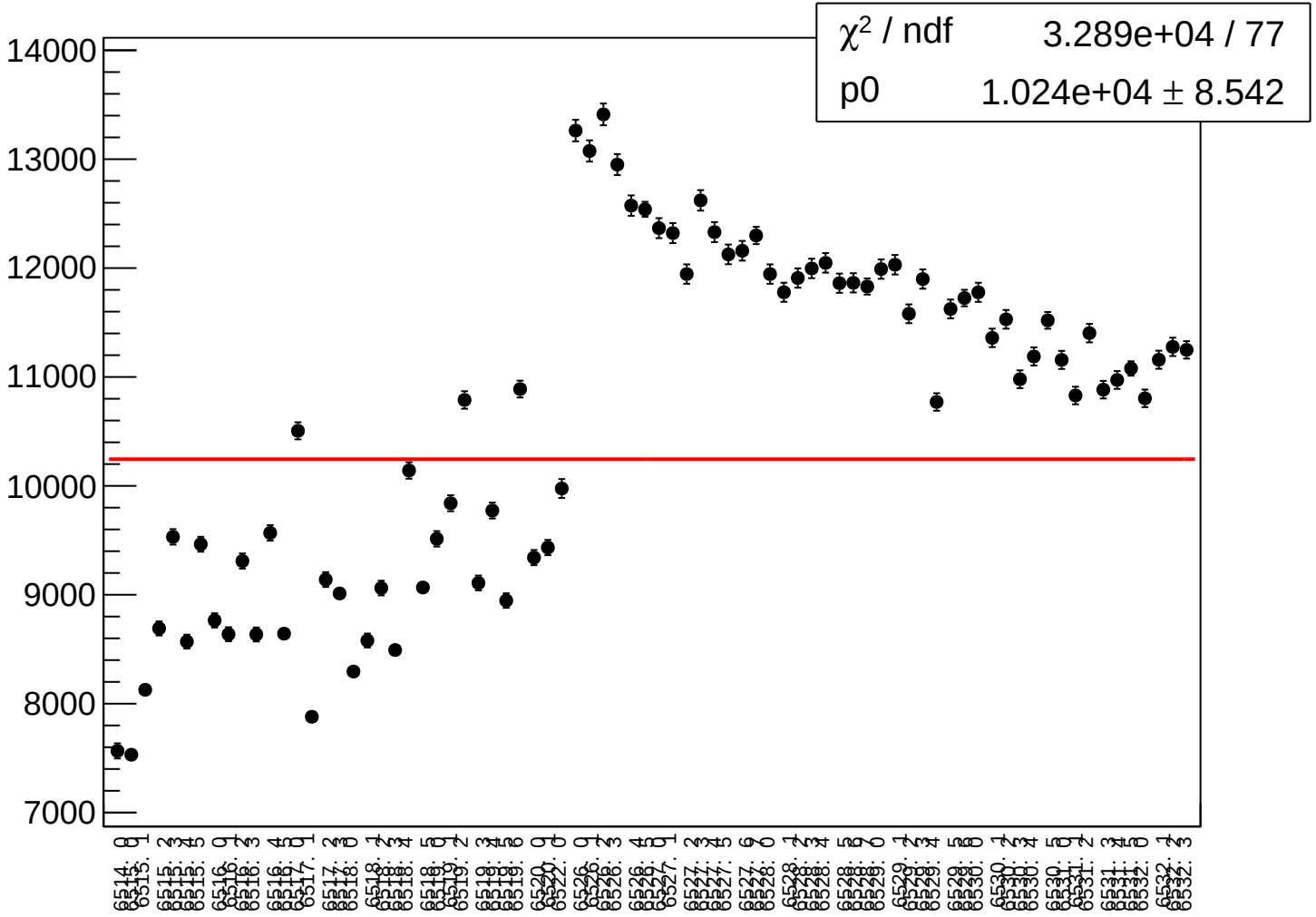

pull1D
Entries 78
Mean −0.01461
Std Dev 1.03

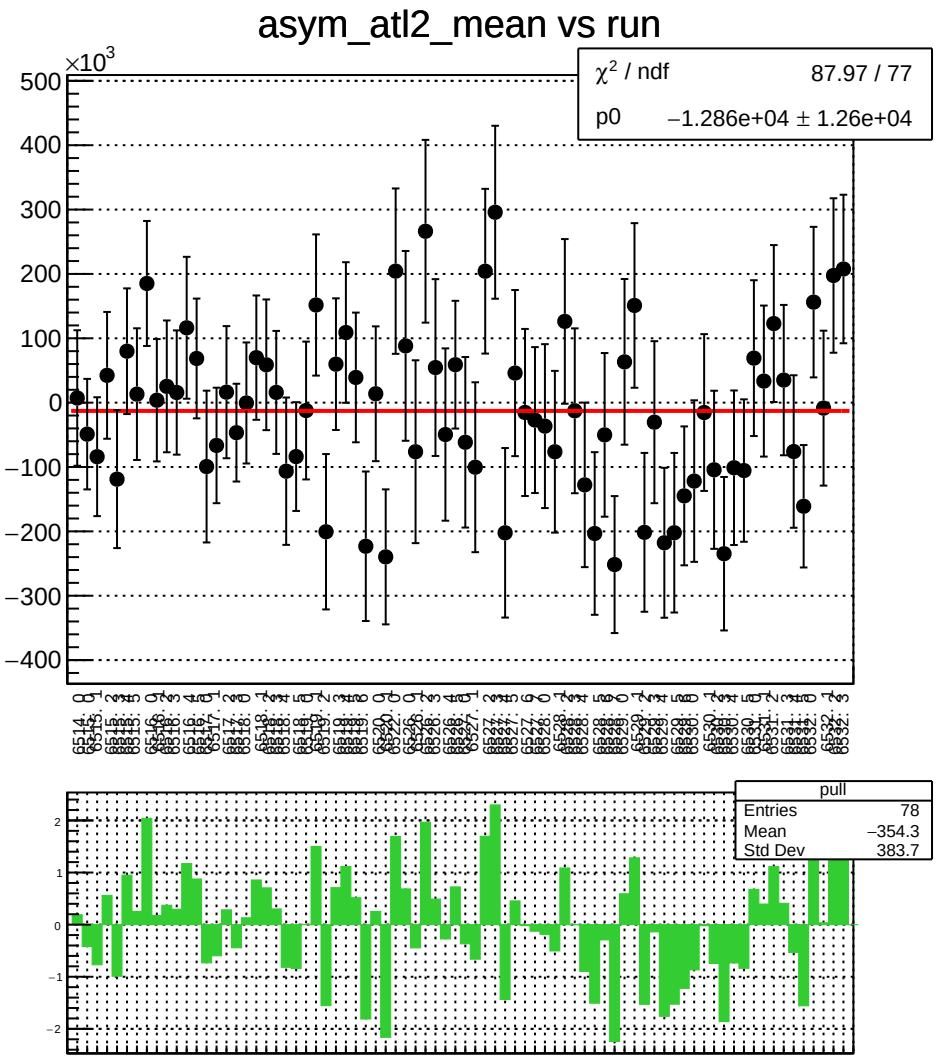

dit_asym_atl2_rms vs run
χ² / ndf 4972 / 77
p0 3314 ± 2.737
4200
4000
3800
3600
3400
3200
3000

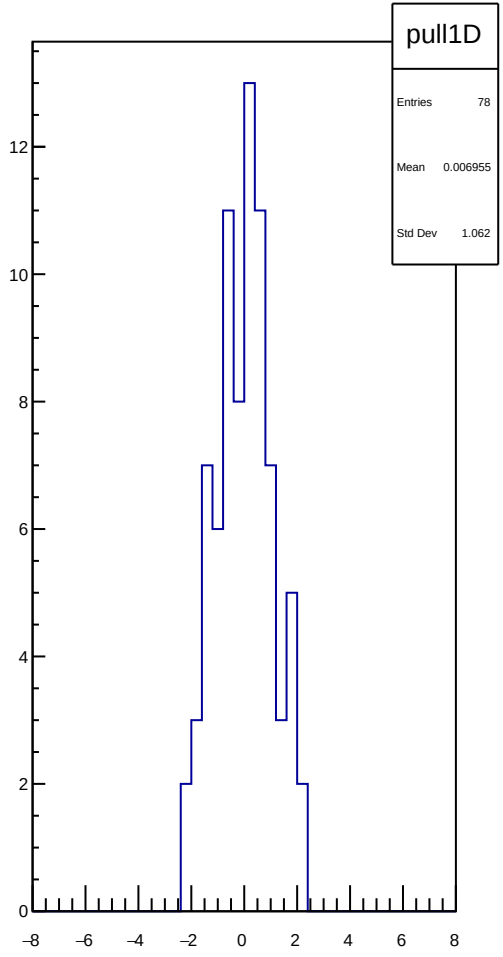

asym_atl2_correction_mean vs run
×10^3
χ^2 / ndf 92.91 / 77
p0 7748 ± 1.208e+04
pull
Entries 78
Mean 2.079e+04
Std Dev 2.076e+04


pull1D
Entries 78
Mean 0.0002115
Std Dev 1.091

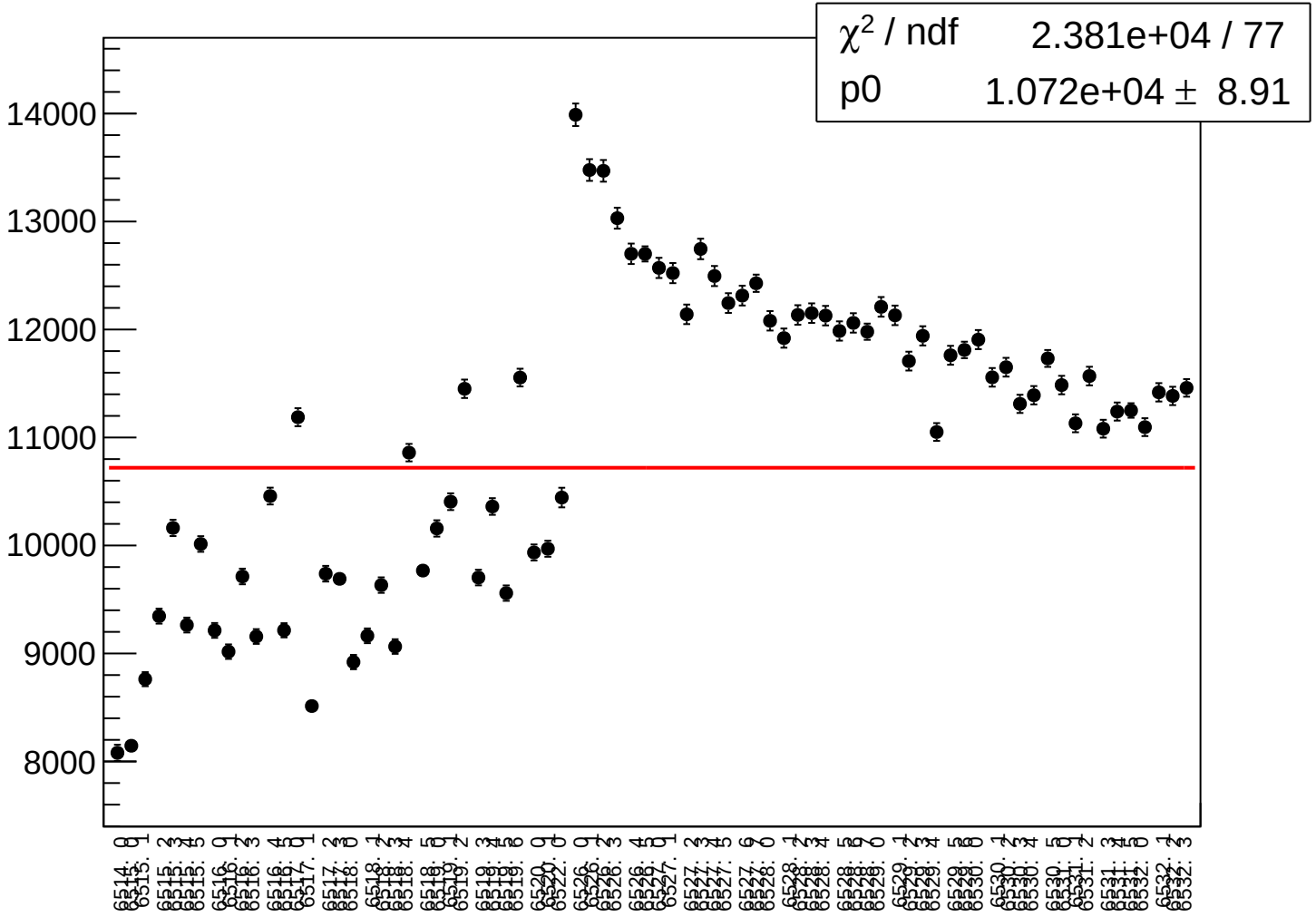
asym_atl2_correction_rms vs run

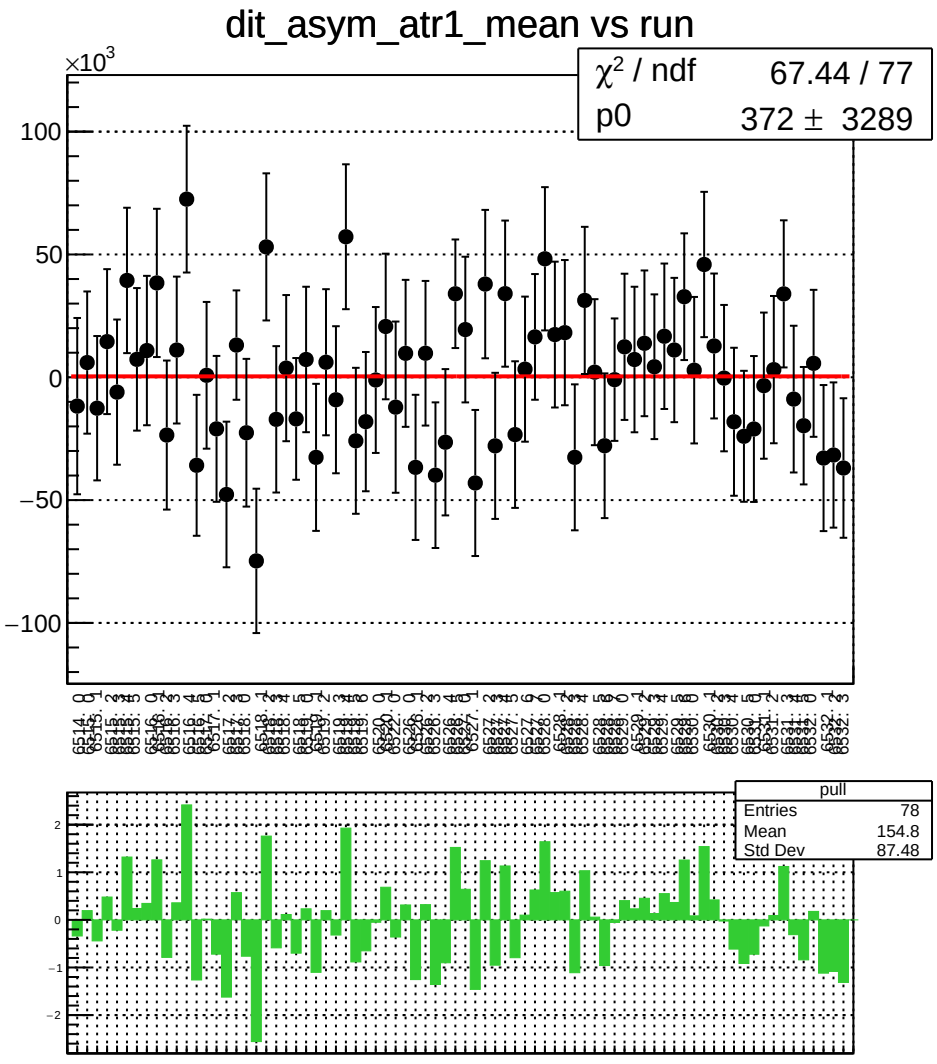


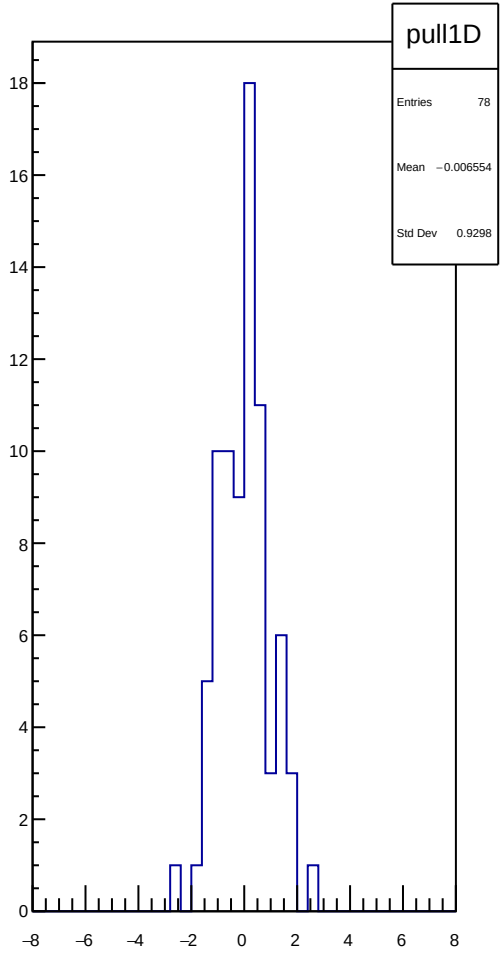

asym_atl2_mean vs run
×10^3
χ² / ndf 87.97 / 77
p0 −1.286e+04 ± 1.26e+04
pull
Entries 78
Mean −354.3
Std Dev 383.7

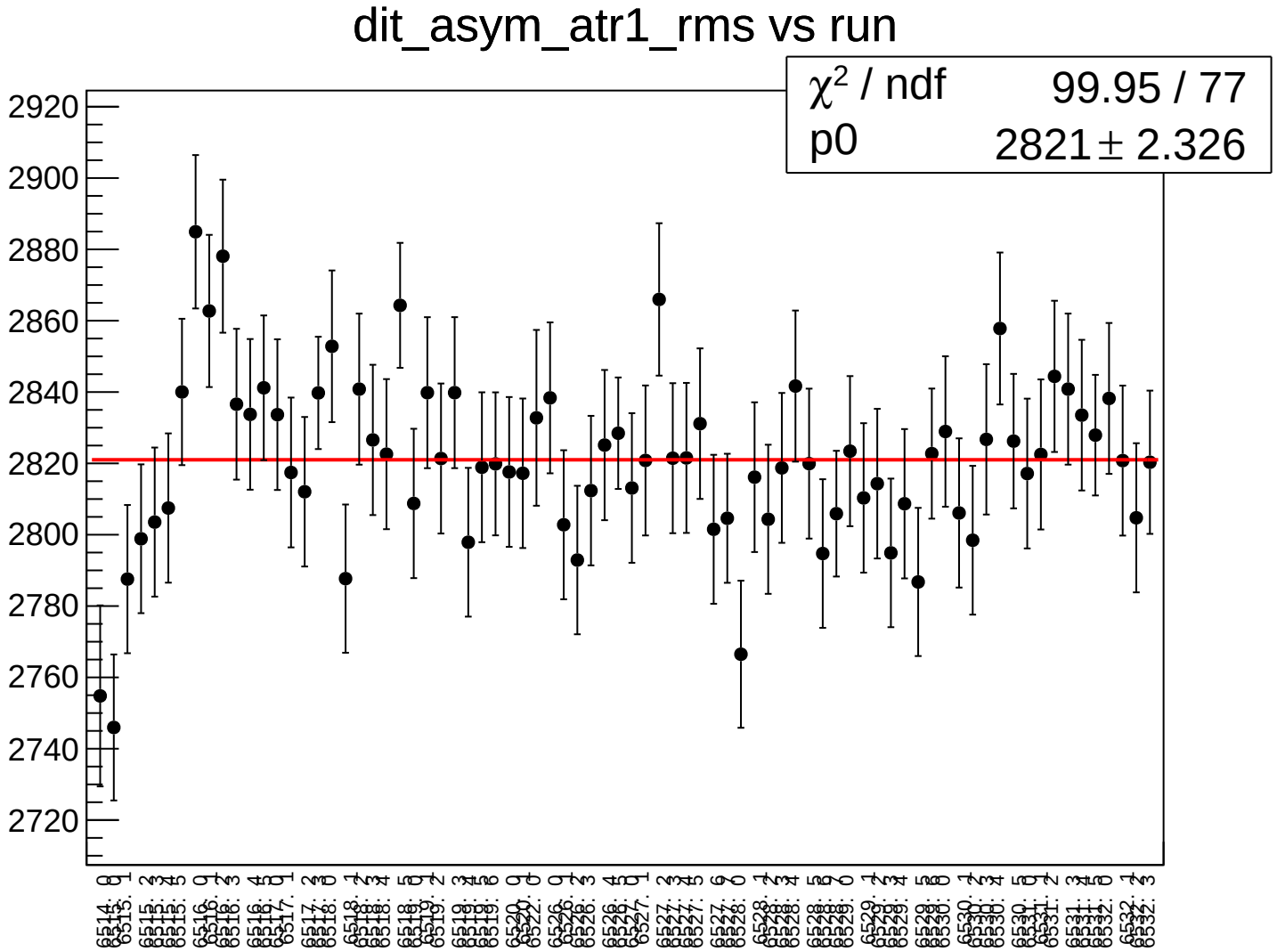

pull1D
Entries 78
Mean 0.006955
Std Dev 1.062

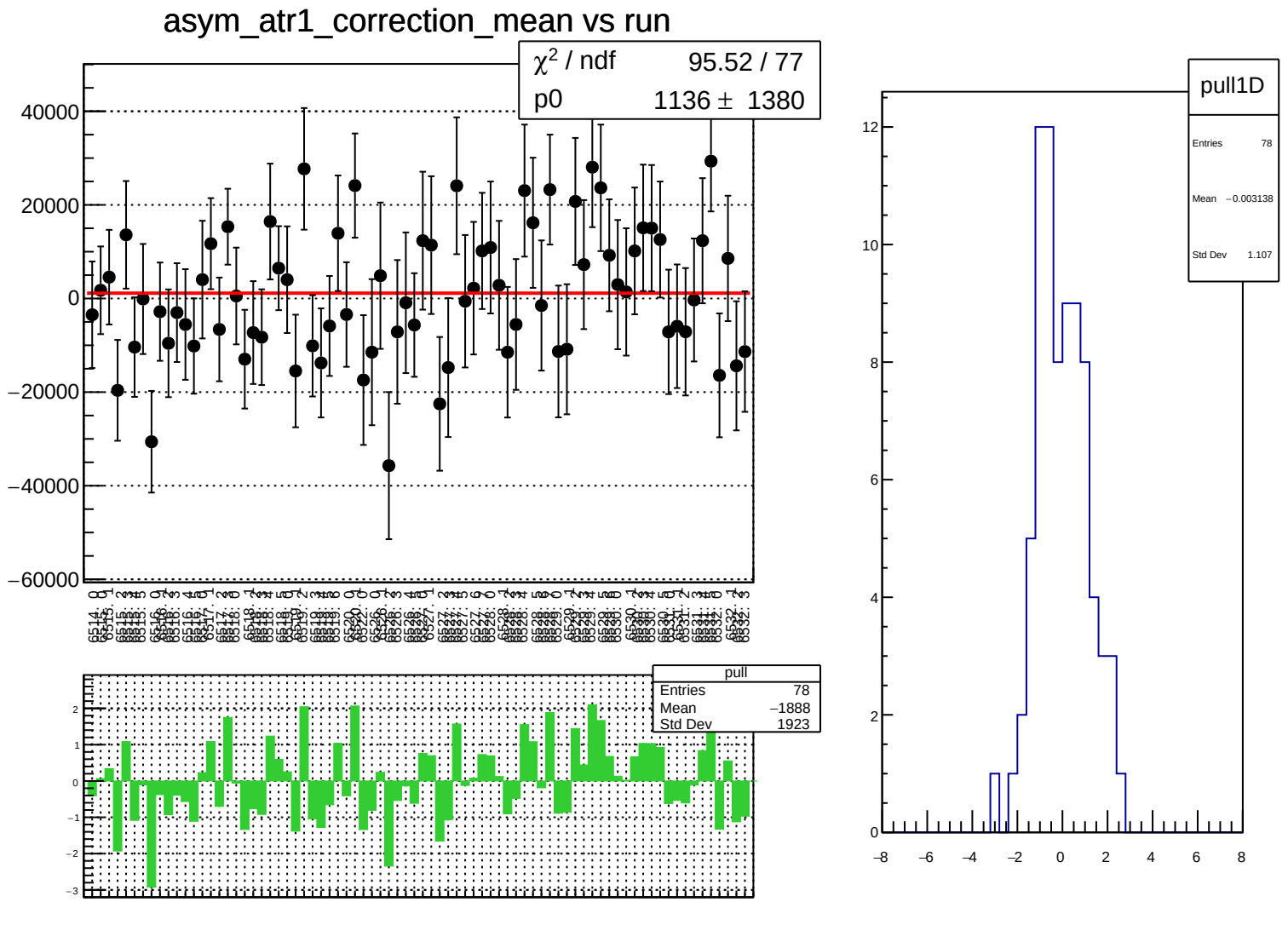
asym_atl2_rms vs run

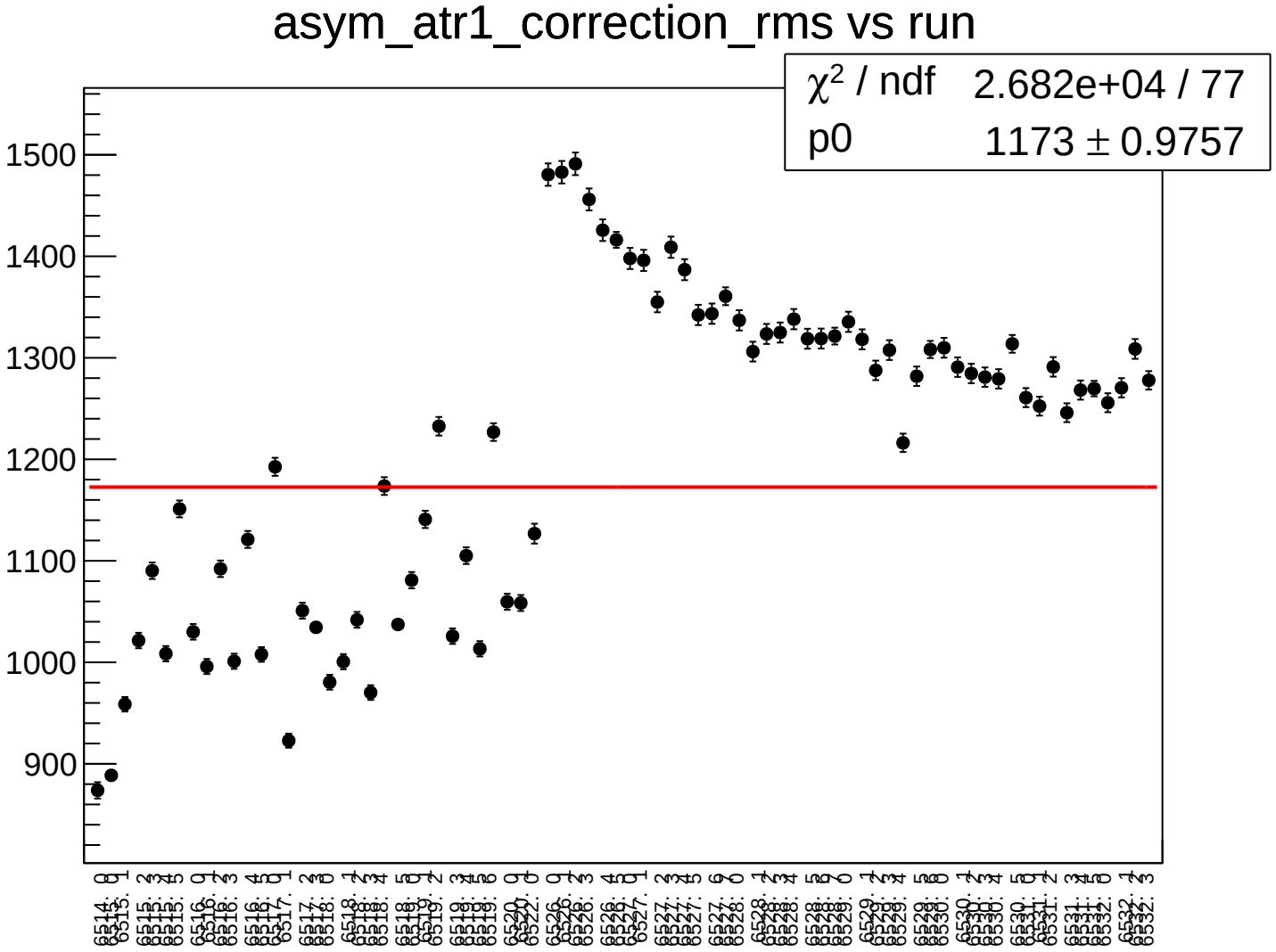


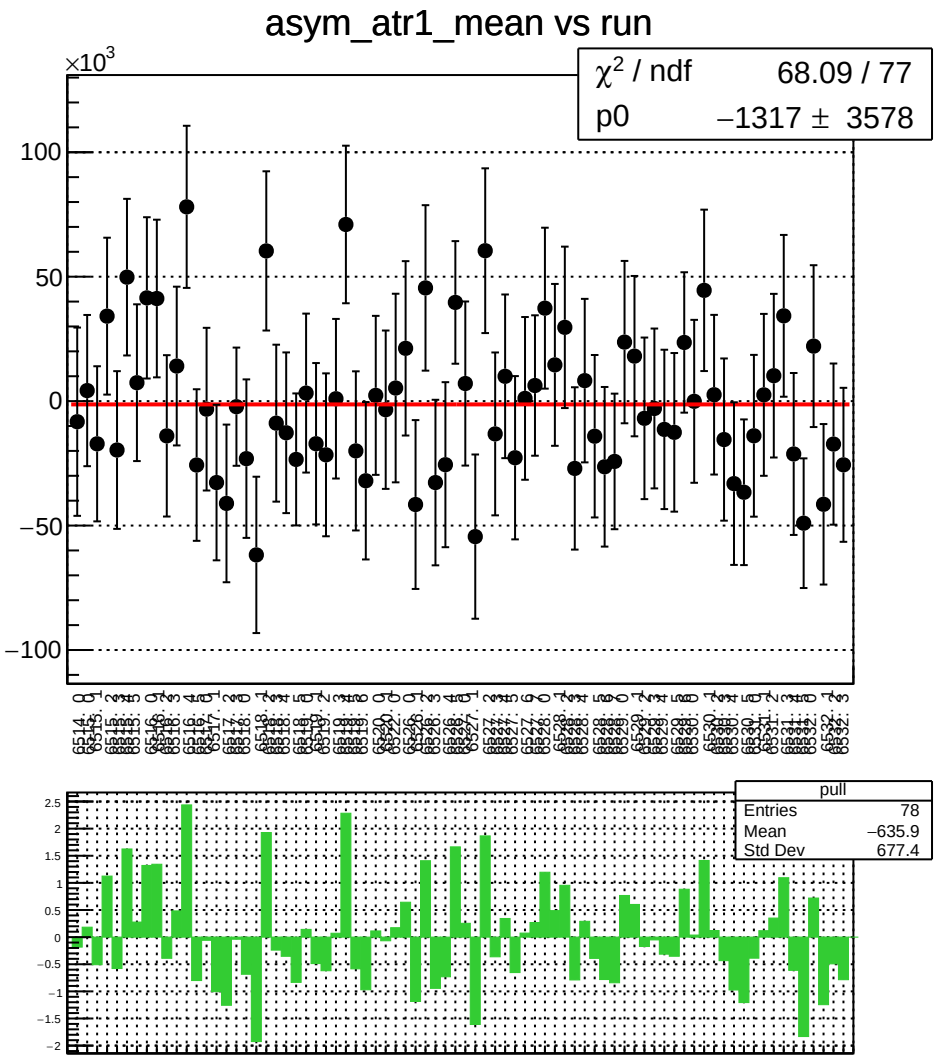

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 67.44 / 77
p0 372 ± 3289
pull
Entries 78
Mean 154.8
Std Dev 87.48

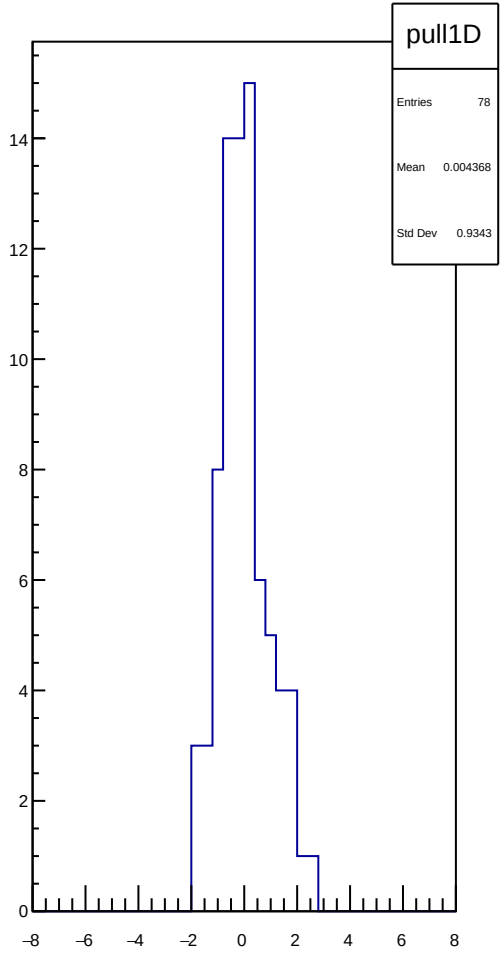

pull1D
Entries 78
Mean −0.006554
Std Dev 0.9298


dit_asym_atr1_rms vs run
χ² / ndf 99.95 / 77
p0 2821 ± 2.326
2920
2900
2880
2860
2840
2820
2800
2780
2760
2740
2720

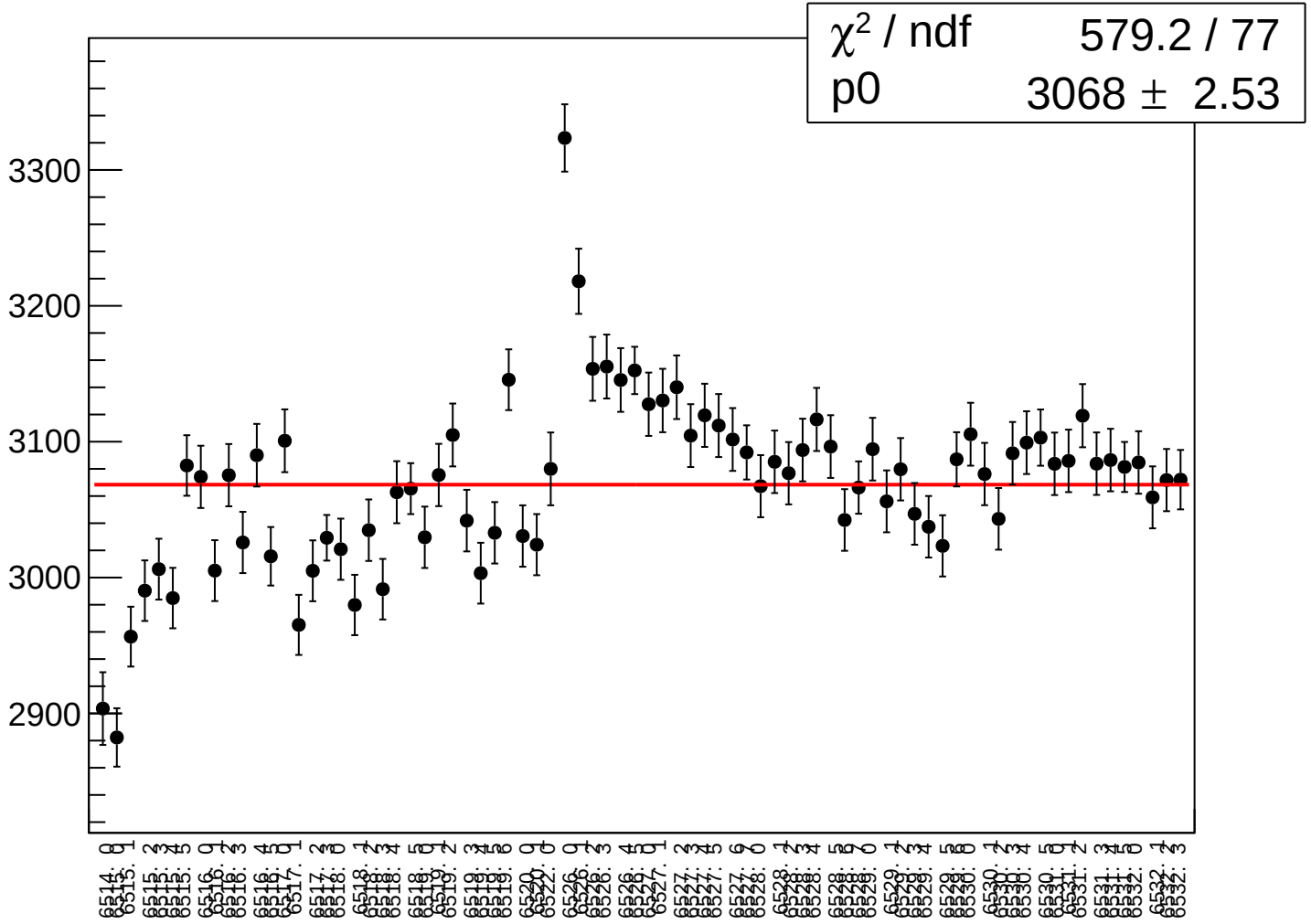

asym_atr1_correction_mean vs run
χ² / ndf 95.52 / 77
p0 1136 ± 1380
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −1888
Std Dev 1923
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.003138
Std Dev 1.107
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

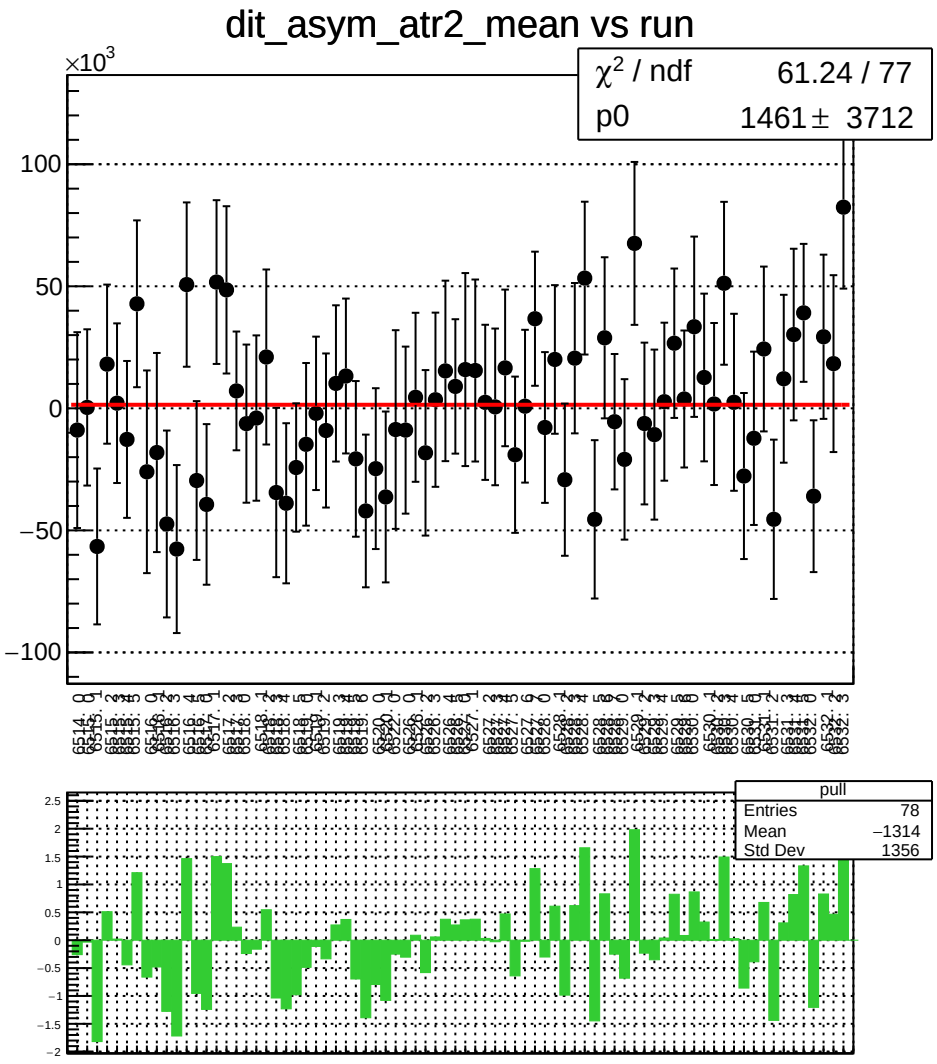

asym_atr1_correction_rms vs run
χ^2 / ndf 2.682e+04 / 77
p0 1173 ± 0.9757
1500
1400
1300
1200
1100
1000
900

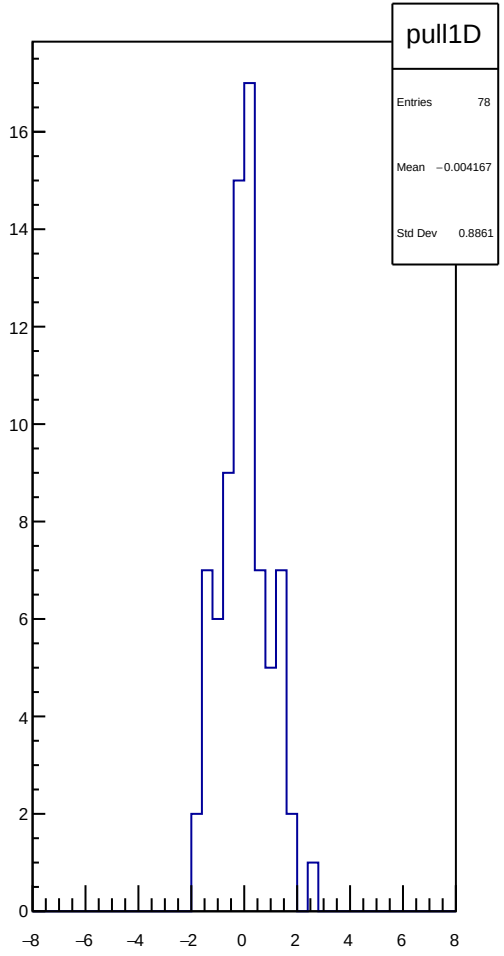

asym_atr1_mean vs run
×10^3
χ² / ndf 68.09 / 77
p0 −1317 ± 3578
100
50
0
−50
−100
pull
Entries 78
Mean −635.9
Std Dev 677.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

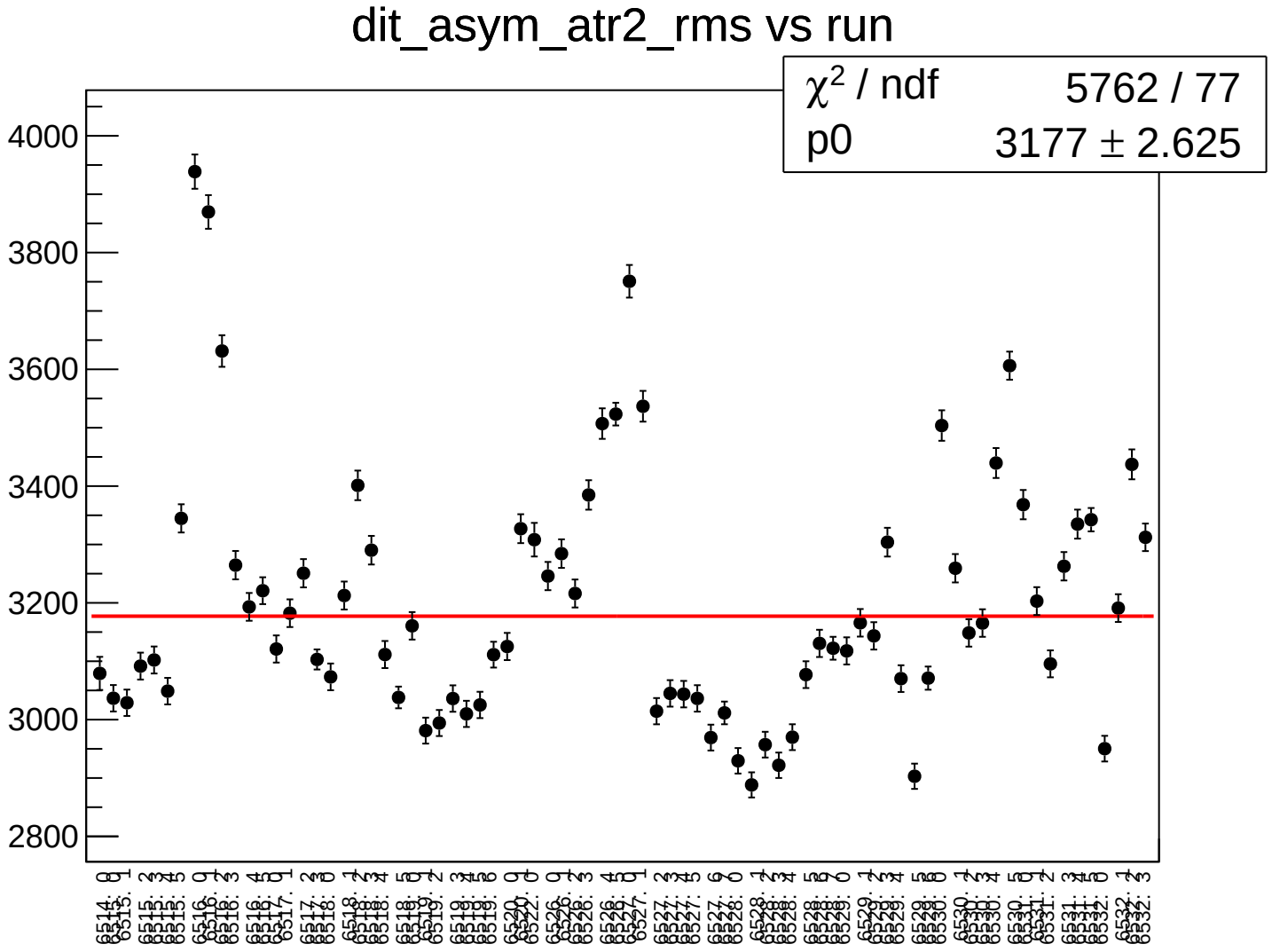

pull1D
Entries 78
Mean 0.004368
Std Dev 0.9343
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

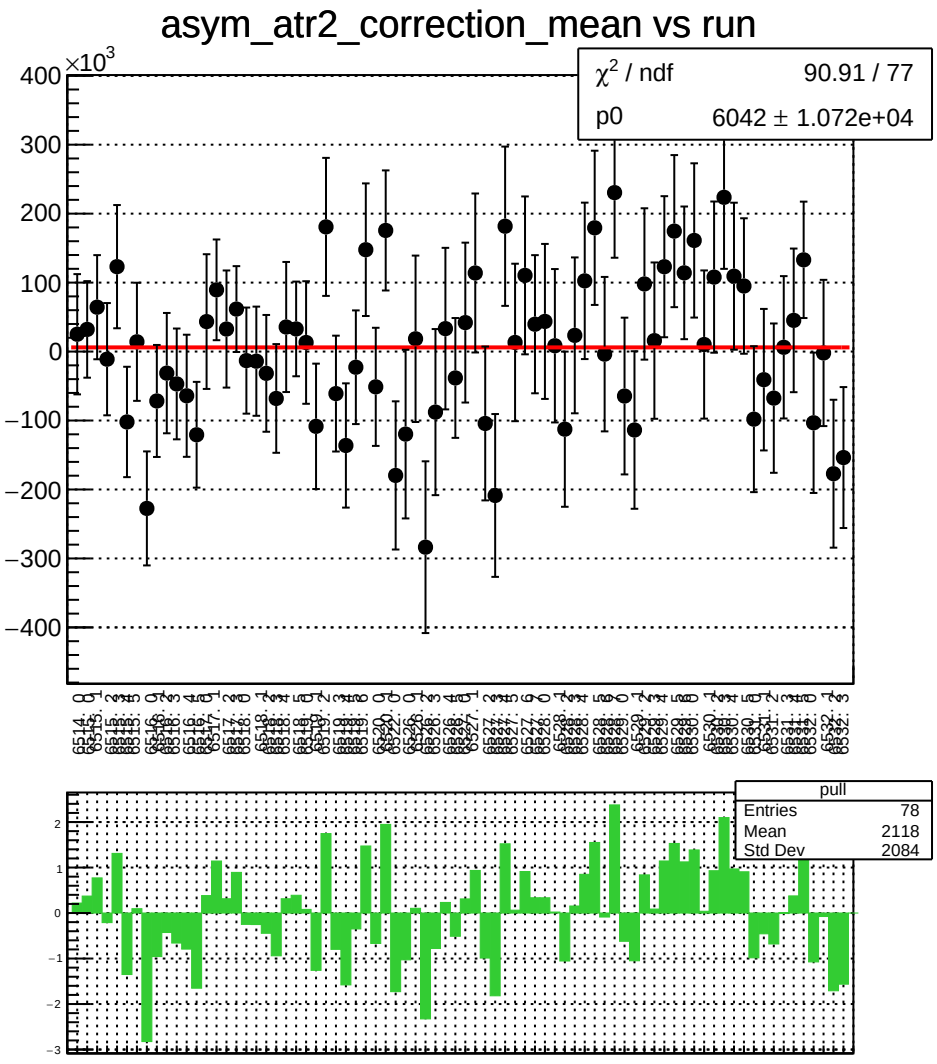
asym_atr1_rms vs run

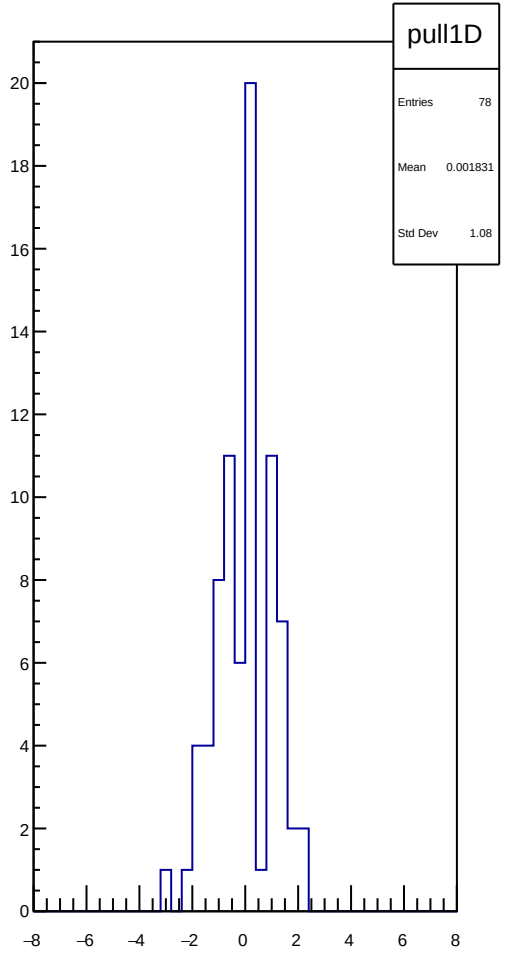



dit_asym_atr2_mean vs run
χ^2 / ndf 61.24 / 77
p0 1461 ± 3712
×10^3
100
50
0
−50
−100
pull
Entries 78
Mean −1314
Std Dev 1356
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

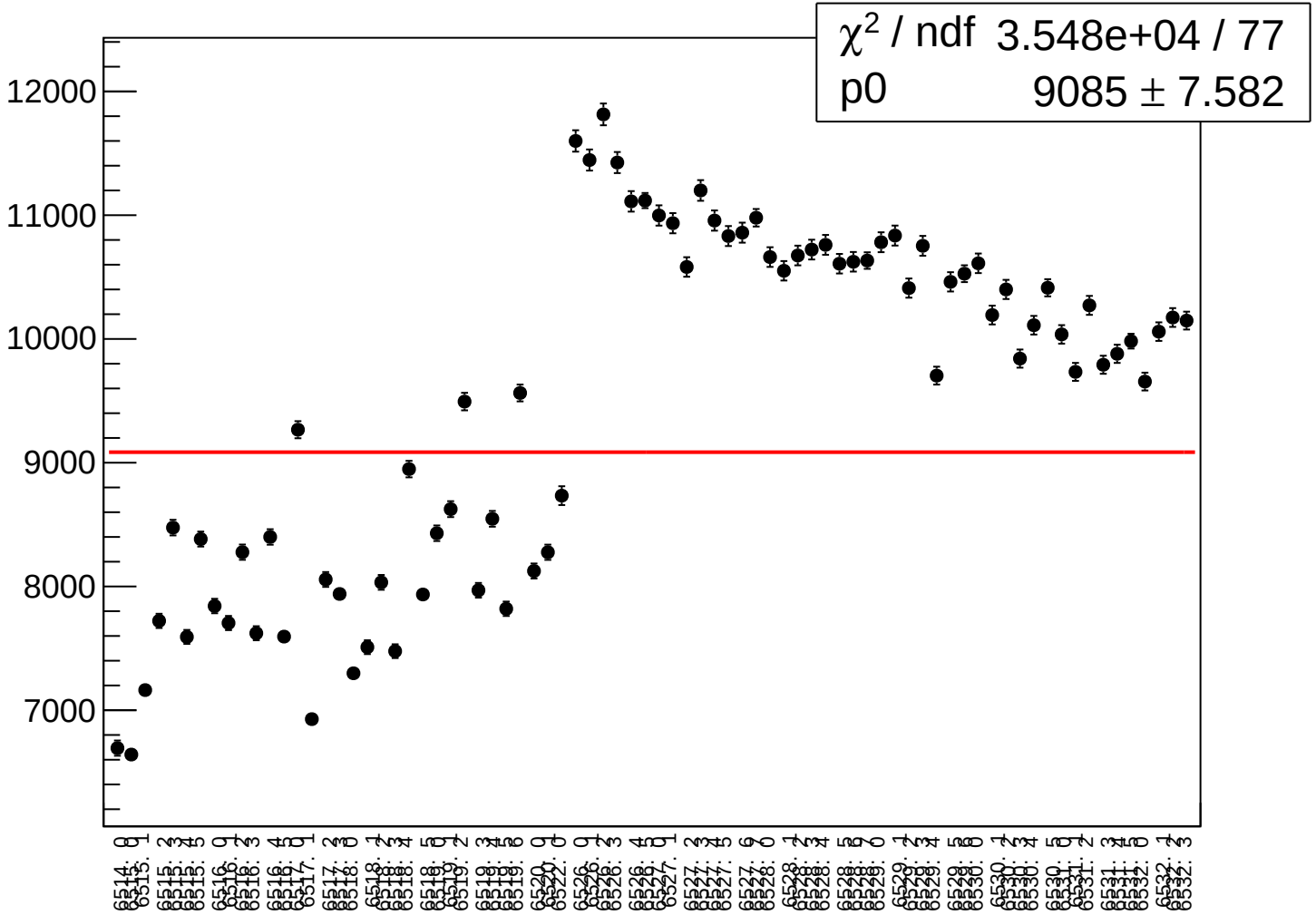

pull1D
Entries 78
Mean −0.004167
Std Dev 0.8861
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

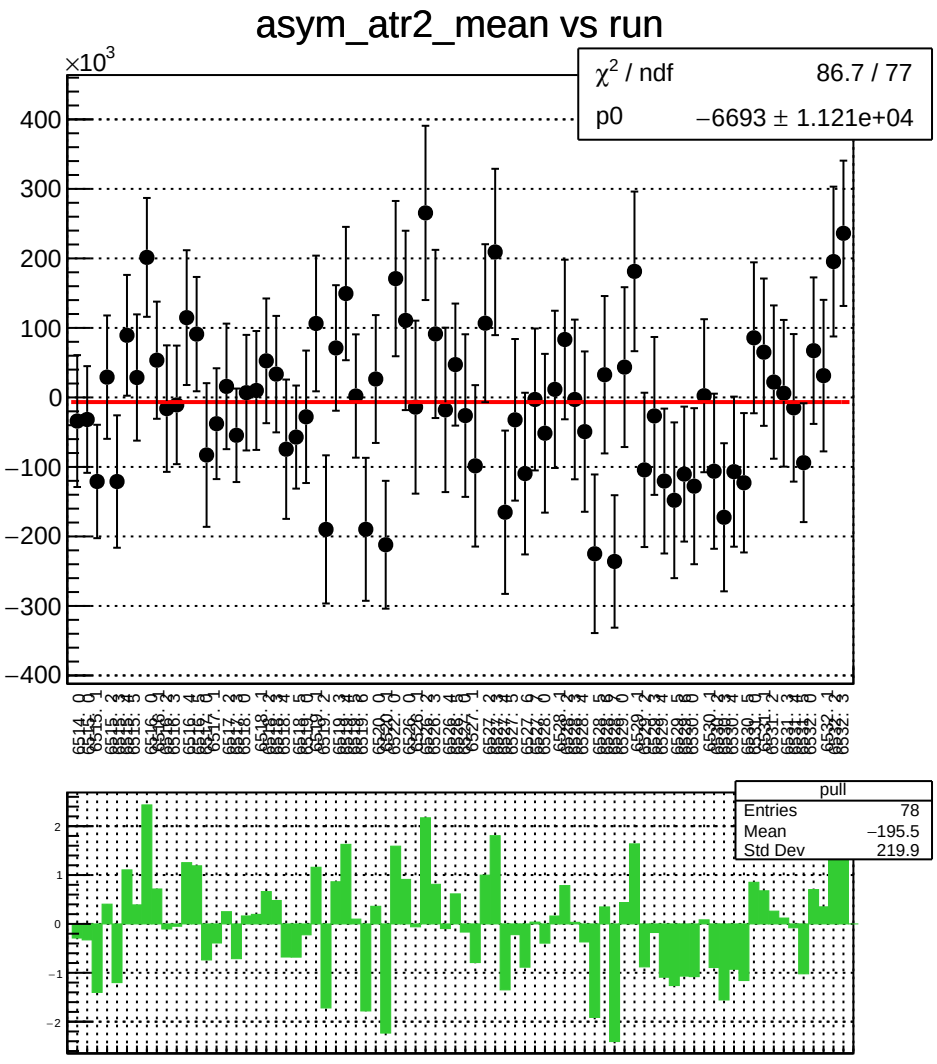

dit_asym_atr2_rms vs run
χ² / ndf 5762 / 77
p0 3177 ± 2.625
4000
3800
3600
3400
3200
3000
2800

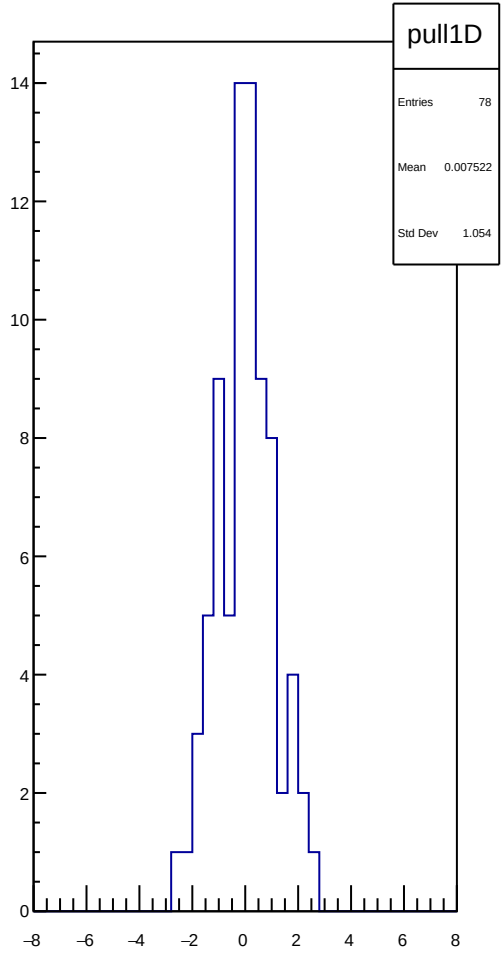

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 90.91 / 77
p0 6042 ± 1.072e+04
pull
Entries 78
Mean 2118
Std Dev 2084

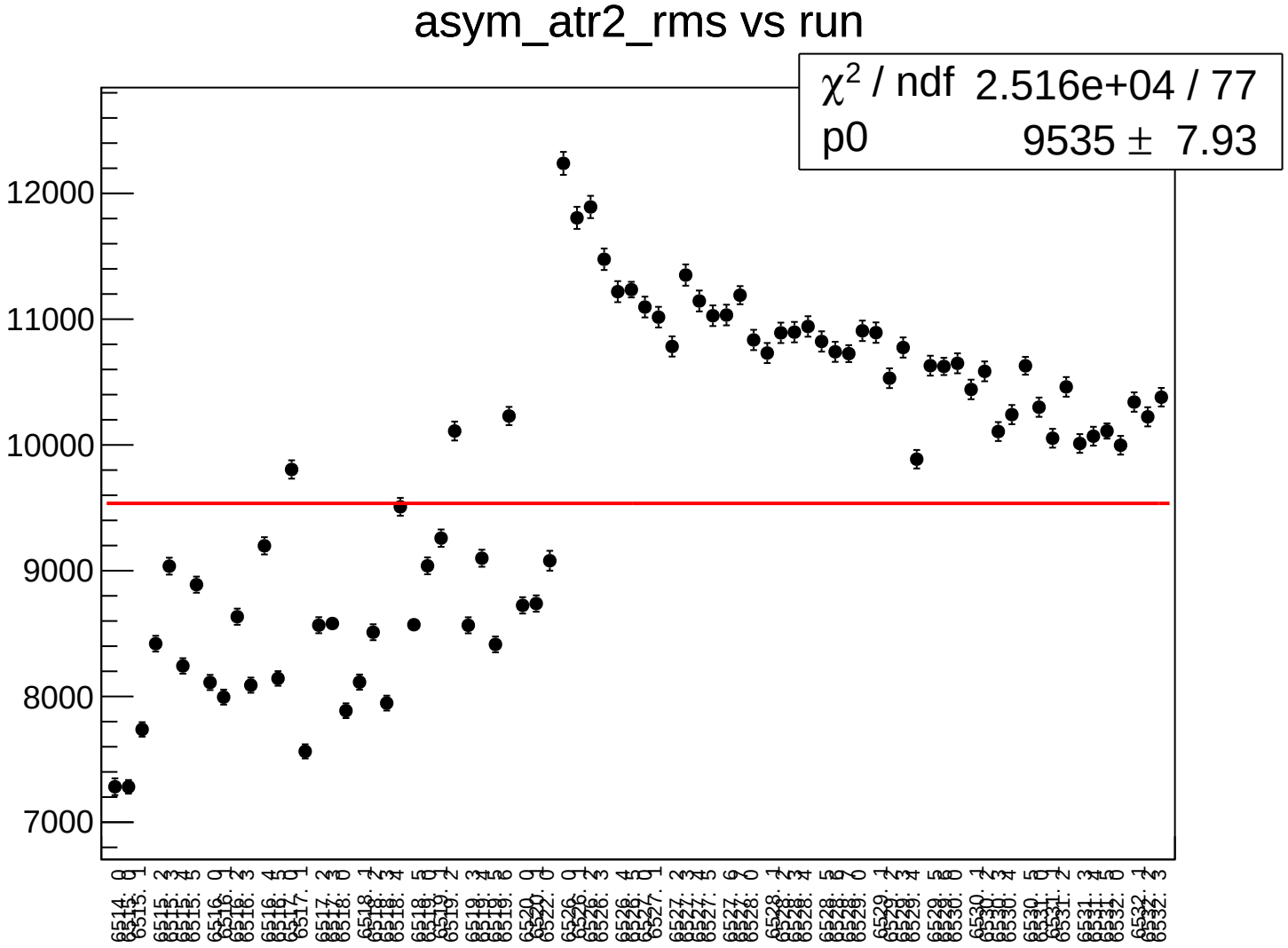

pull1D
Entries 78
Mean 0.001831
Std Dev 1.08

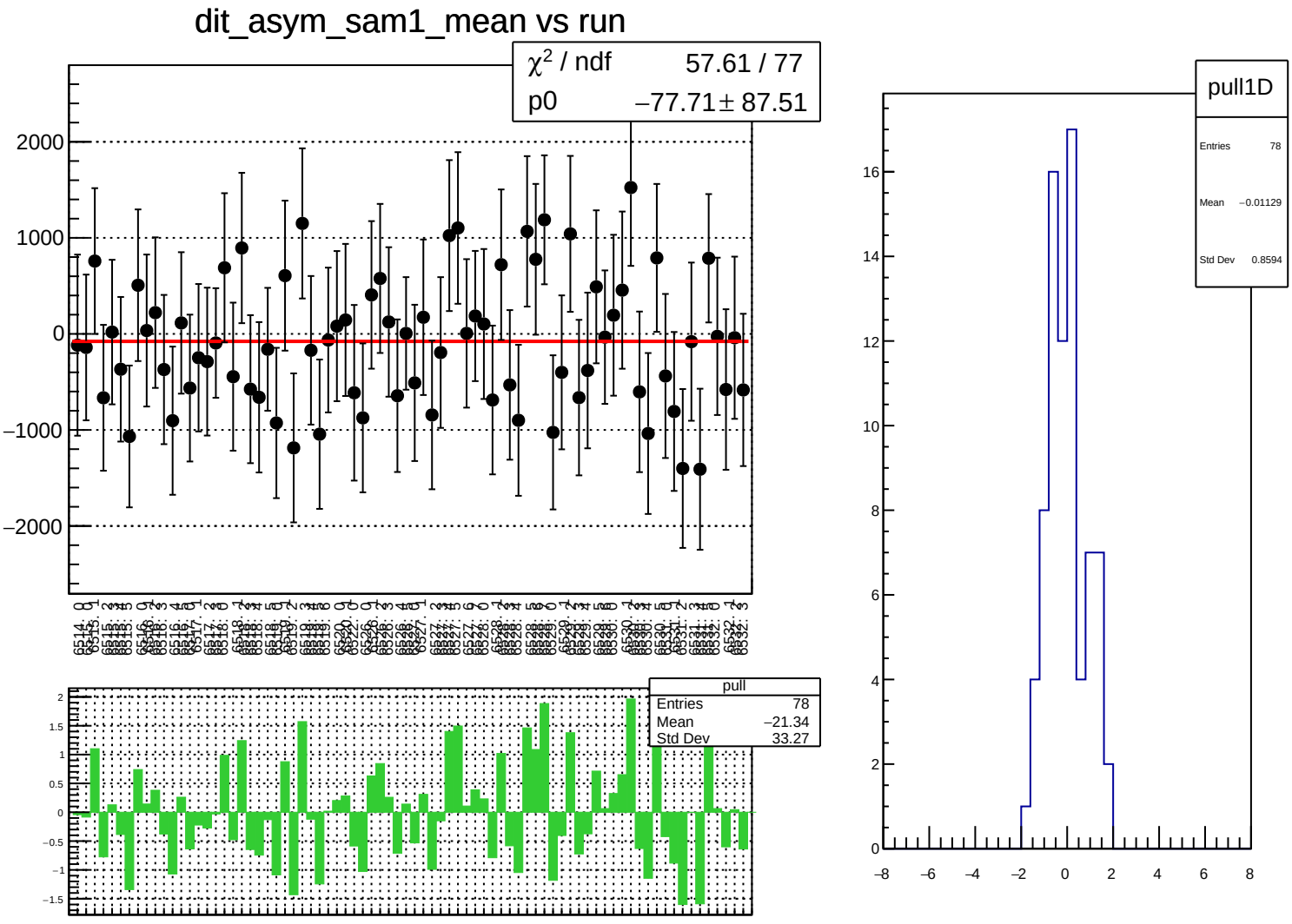
asym_atr2_correction_rms vs run



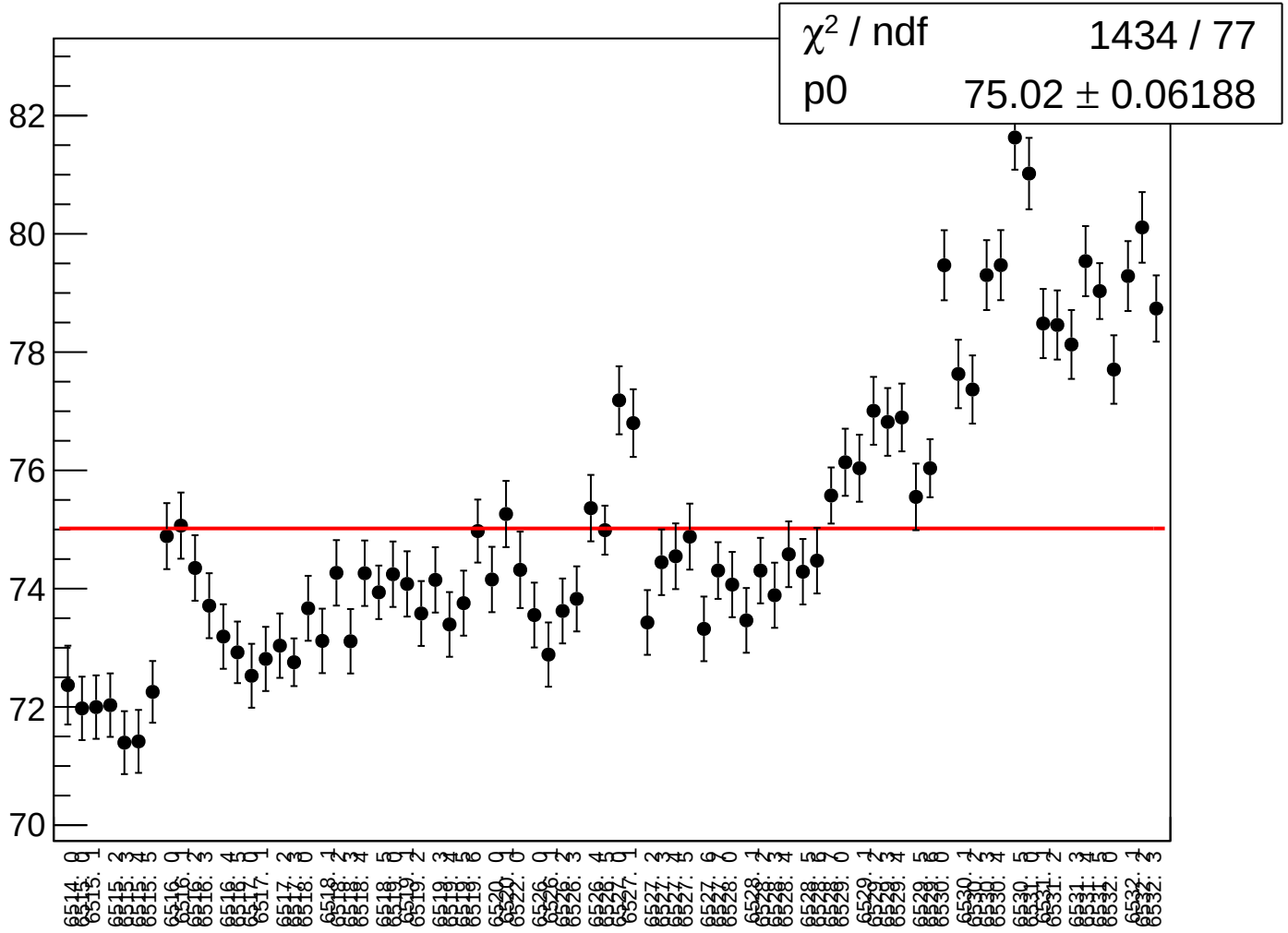

asym_atr2_mean vs run
×10^3
χ² / ndf 86.7 / 77
p0 −6693 ± 1.121e+04
pull
Entries 78
Mean −195.5
Std Dev 219.9

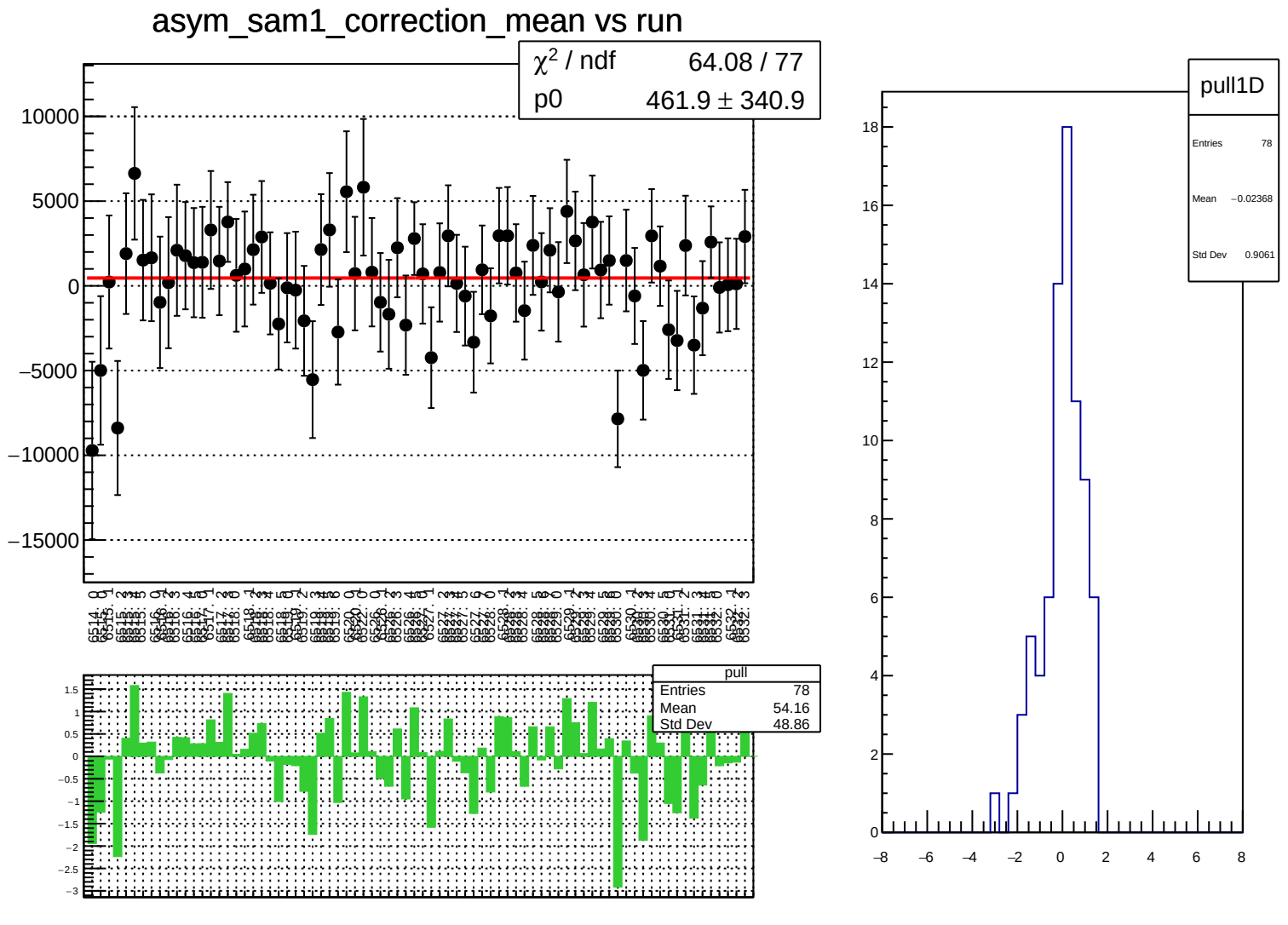

pull1D
Entries 78
Mean 0.007522
Std Dev 1.054

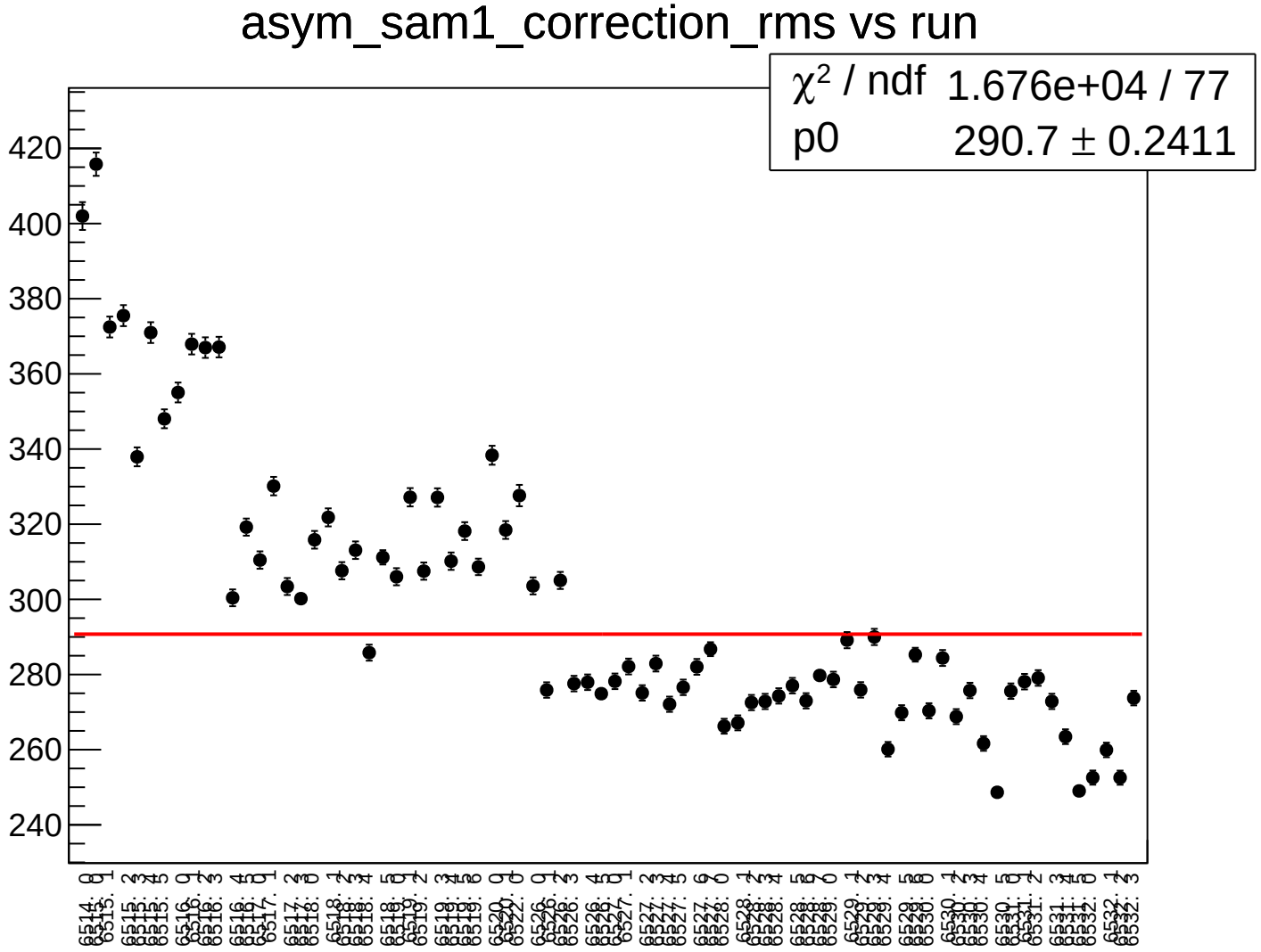

asym_atr2_rms vs run
χ^2 / ndf 2.516e+04 / 77
p0 9535 ± 7.93
12000
11000
10000
9000
8000
7000

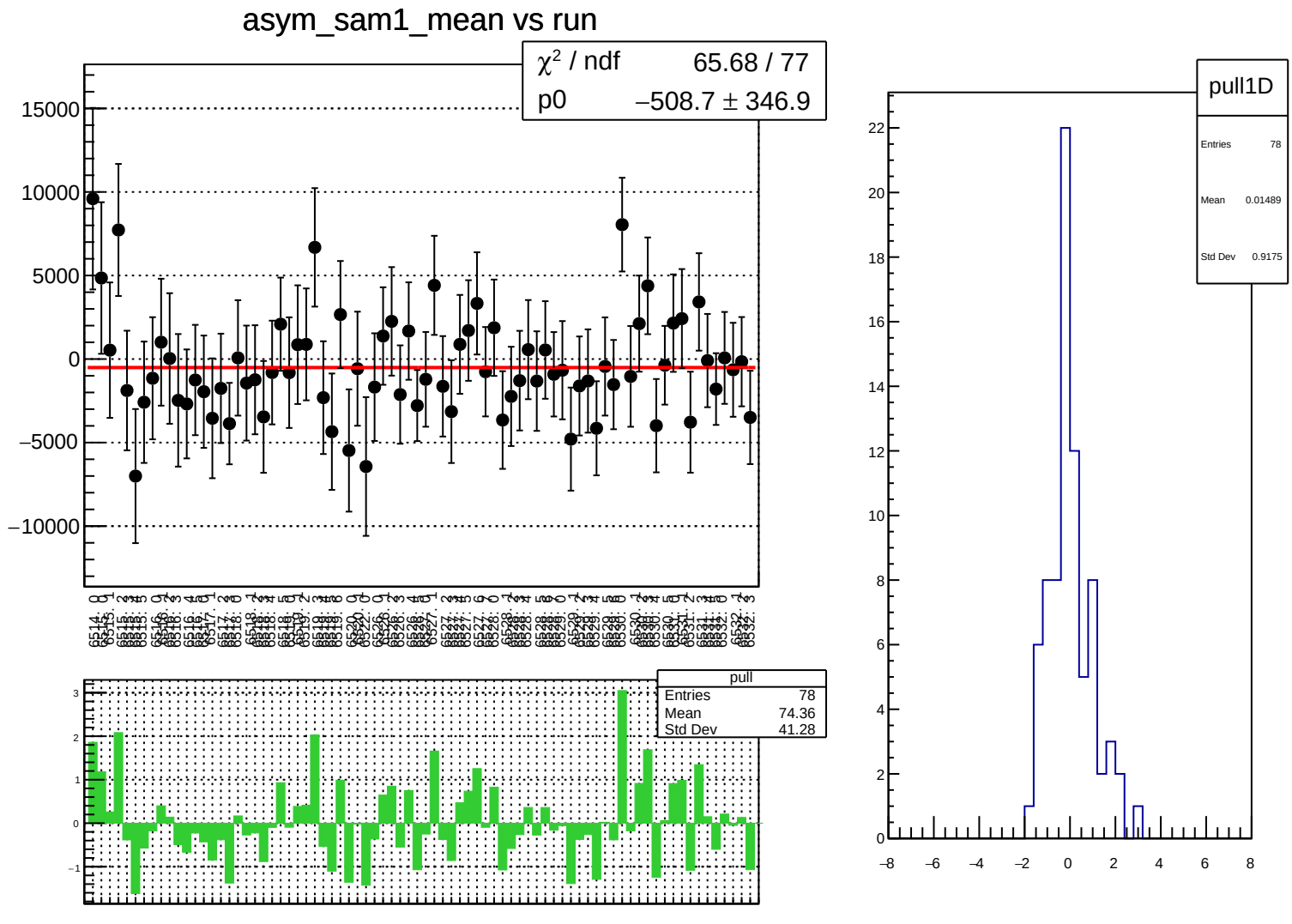

dit_asym_sam1_mean vs run
χ² / ndf 57.61 / 77
p0 −77.71 ± 87.51
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −21.34
Std Dev 33.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.01129
Std Dev 0.8594
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

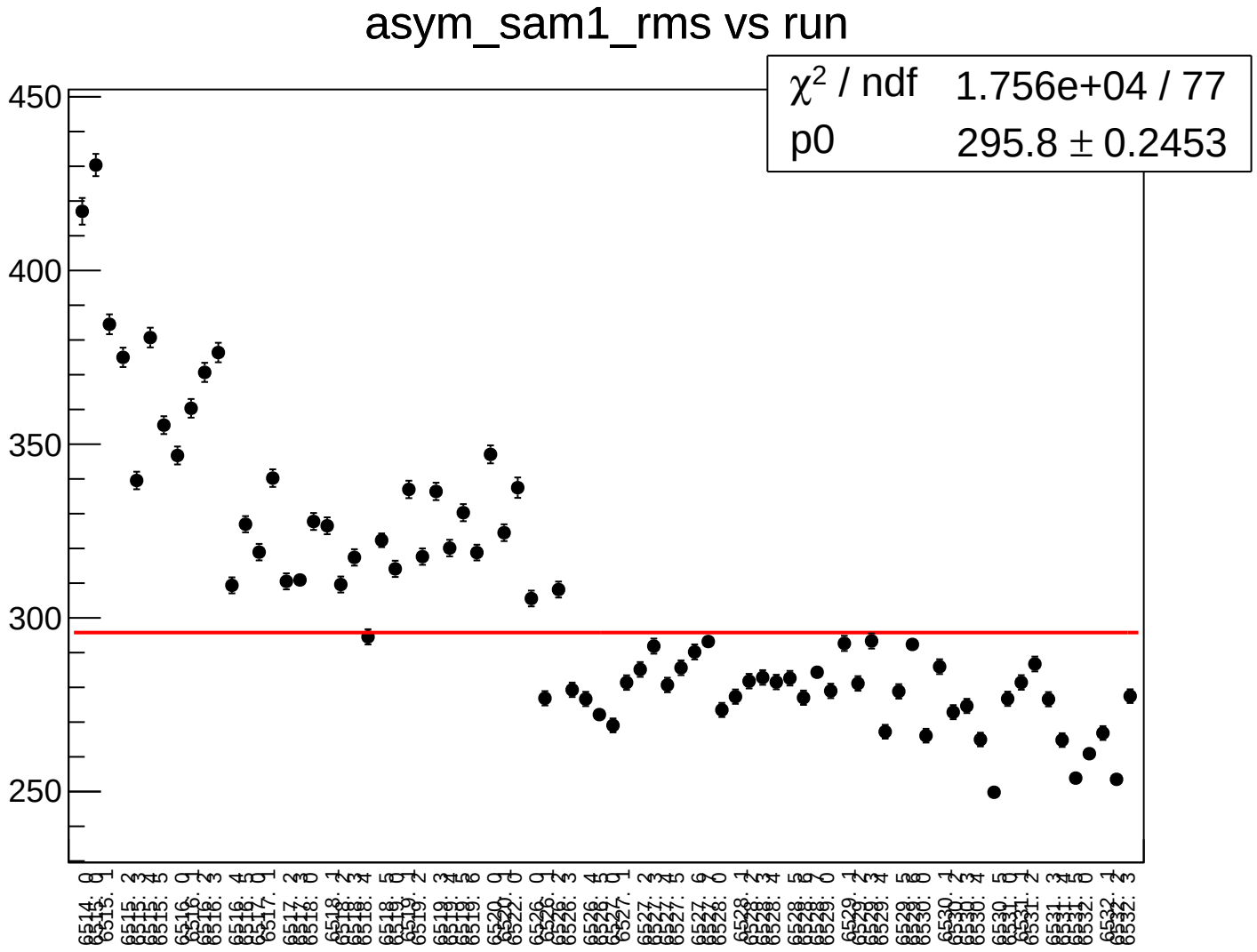
dit_asym_sam1_rms vs run

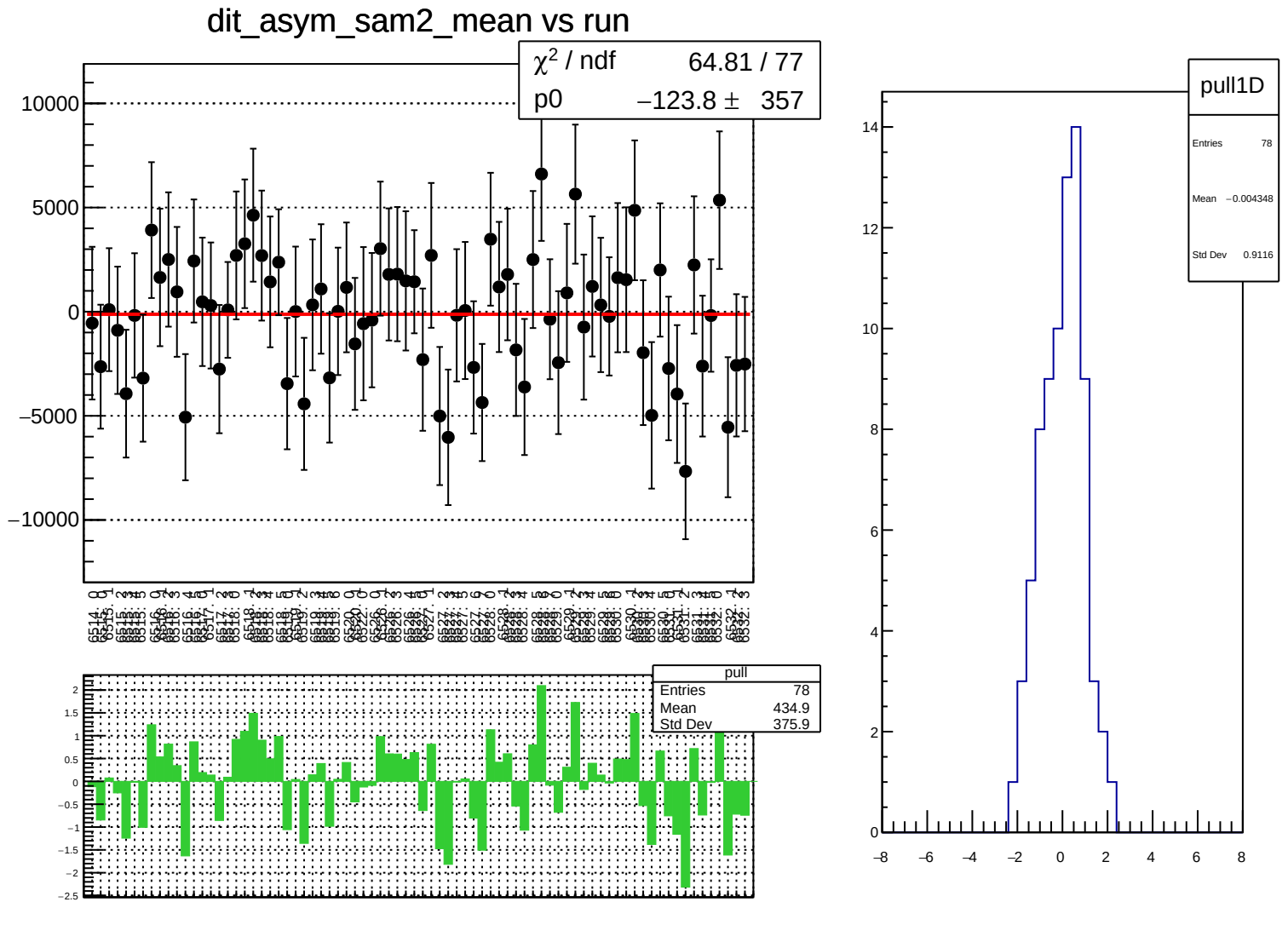



asym_sam1_correction_mean vs run
χ^2 / ndf 64.08 / 77
p0 461.9 ± 340.9
pull
Entries 78
Mean 54.16
Std Dev 48.86
pull1D
Entries 78
Mean −0.02368
Std Dev 0.9061

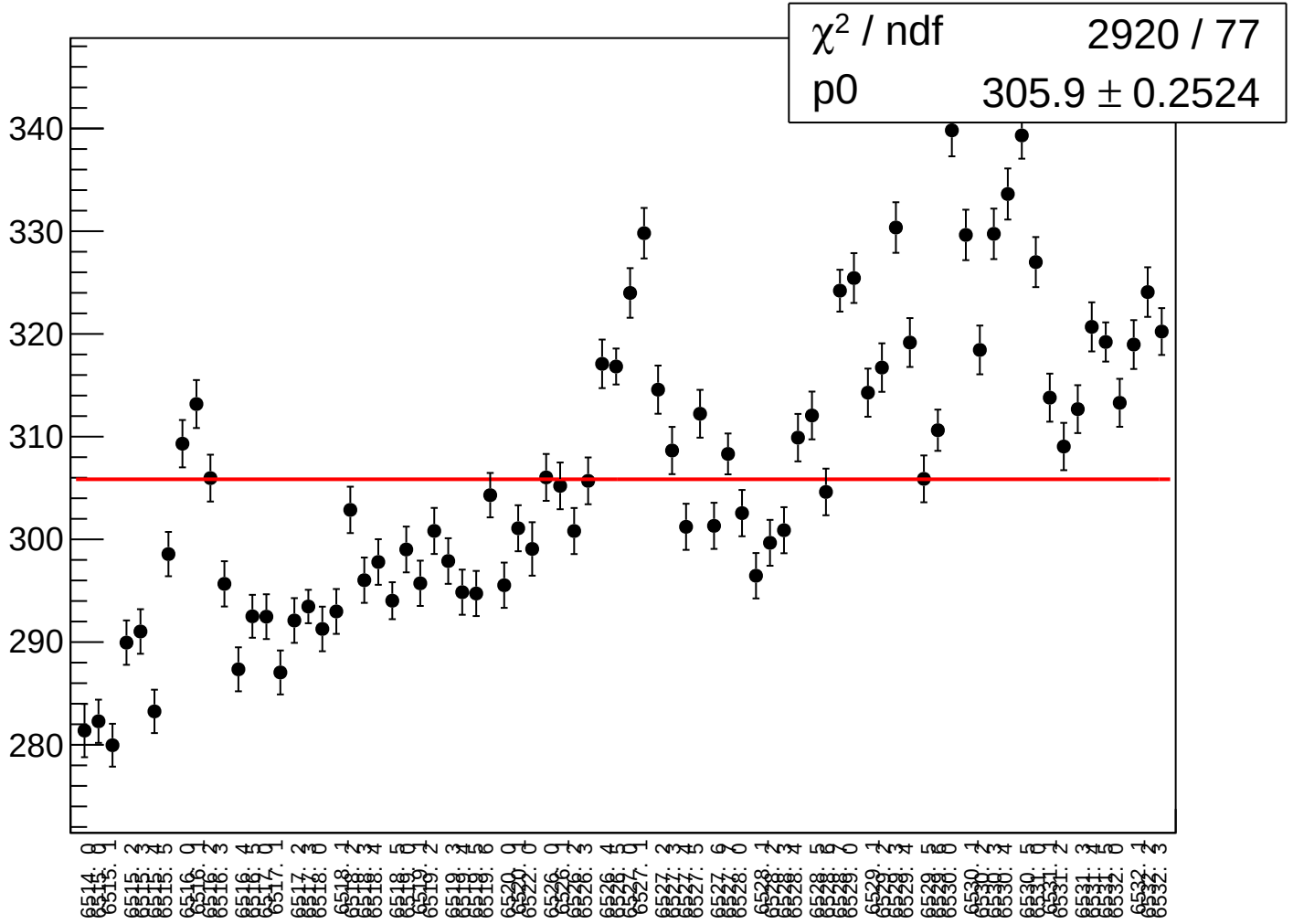

asym_sam1_correction_rms vs run
χ² / ndf 1.676e+04 / 77
p0 290.7 ± 0.2411
420
400
380
360
340
320
300
280
260
240

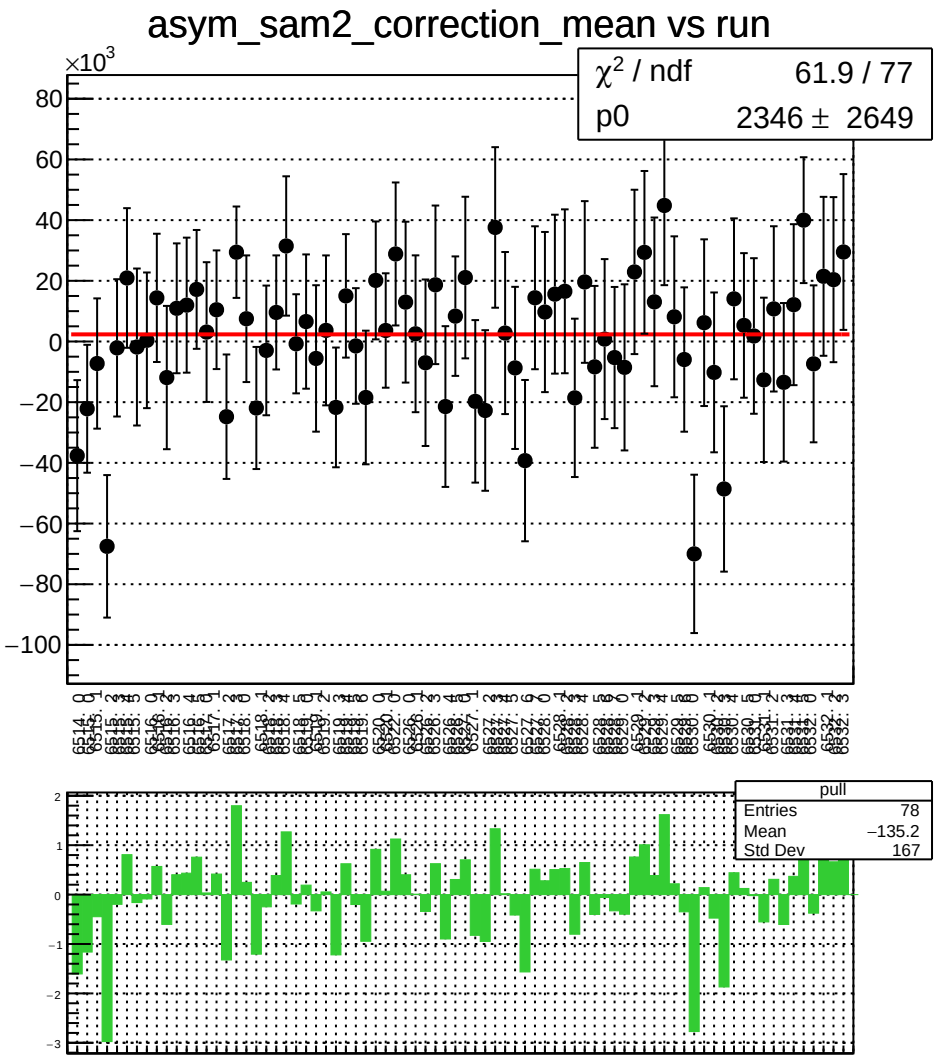

asym_sam1_mean vs run
χ² / ndf 65.68 / 77
p0 −508.7 ± 346.9
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 74.36
Std Dev 41.28
3
2
1
0
−1
pull1D
Entries 78
Mean 0.01489
Std Dev 0.9175
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

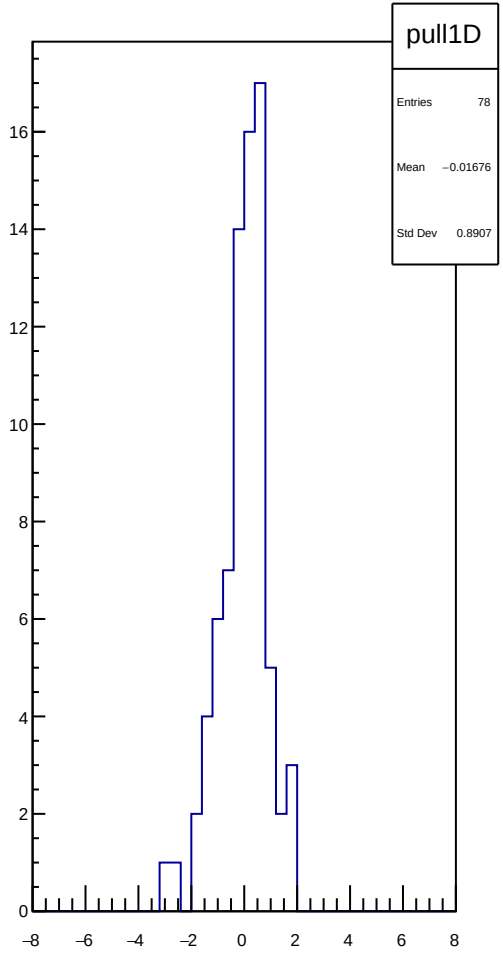

asym_sam1_rms vs run
χ² / ndf 1.756e+04 / 77
p0 295.8 ± 0.2453
450
400
350
300
250


dit_asym_sam2_mean vs run
χ² / ndf 64.81 / 77
p0 −123.8 ± 357
pull
Entries 78
Mean 434.9
Std Dev 375.9
pull1D
Entries 78
Mean −0.004348
Std Dev 0.9116

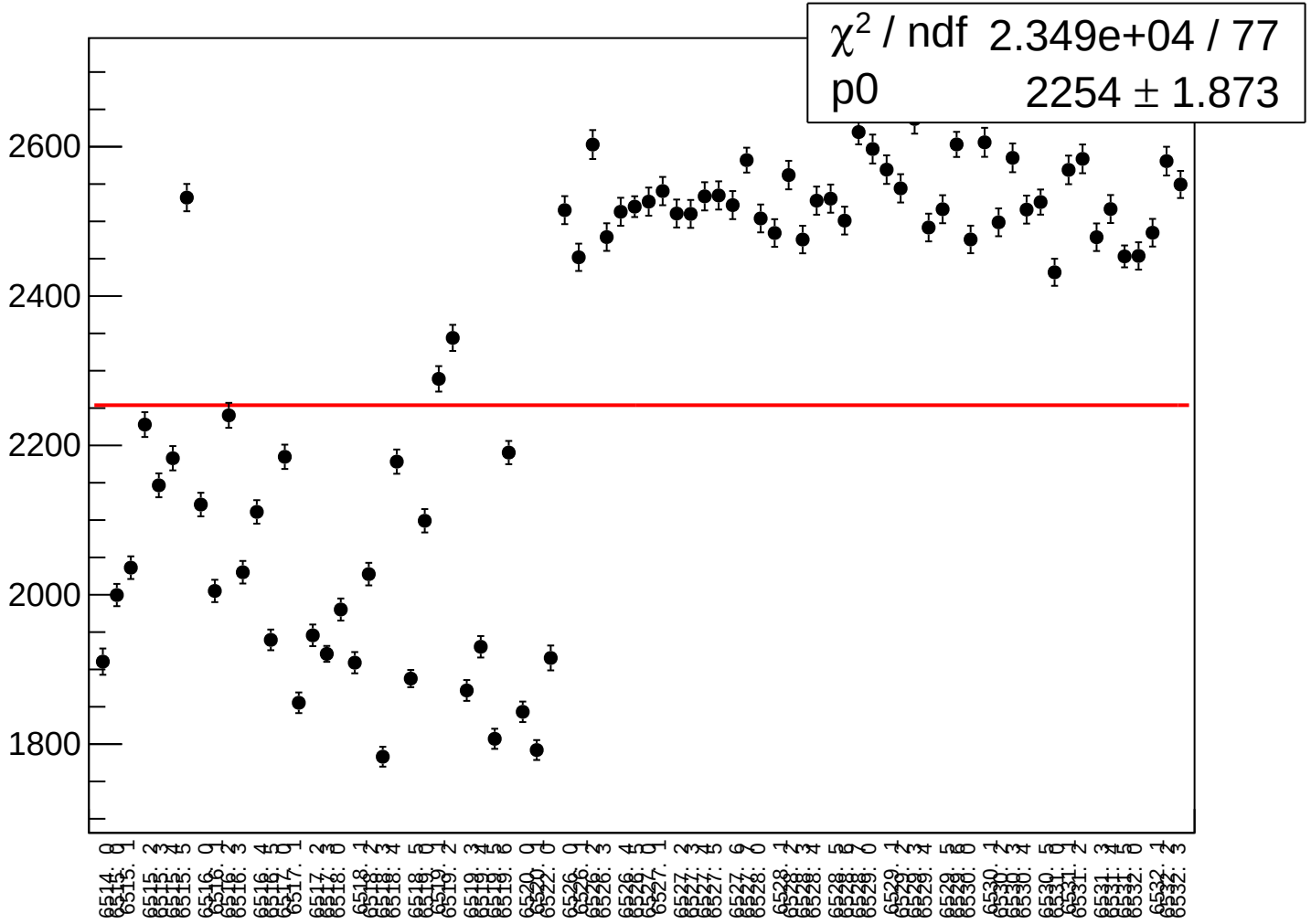
dit_asym_sam2_rms vs run

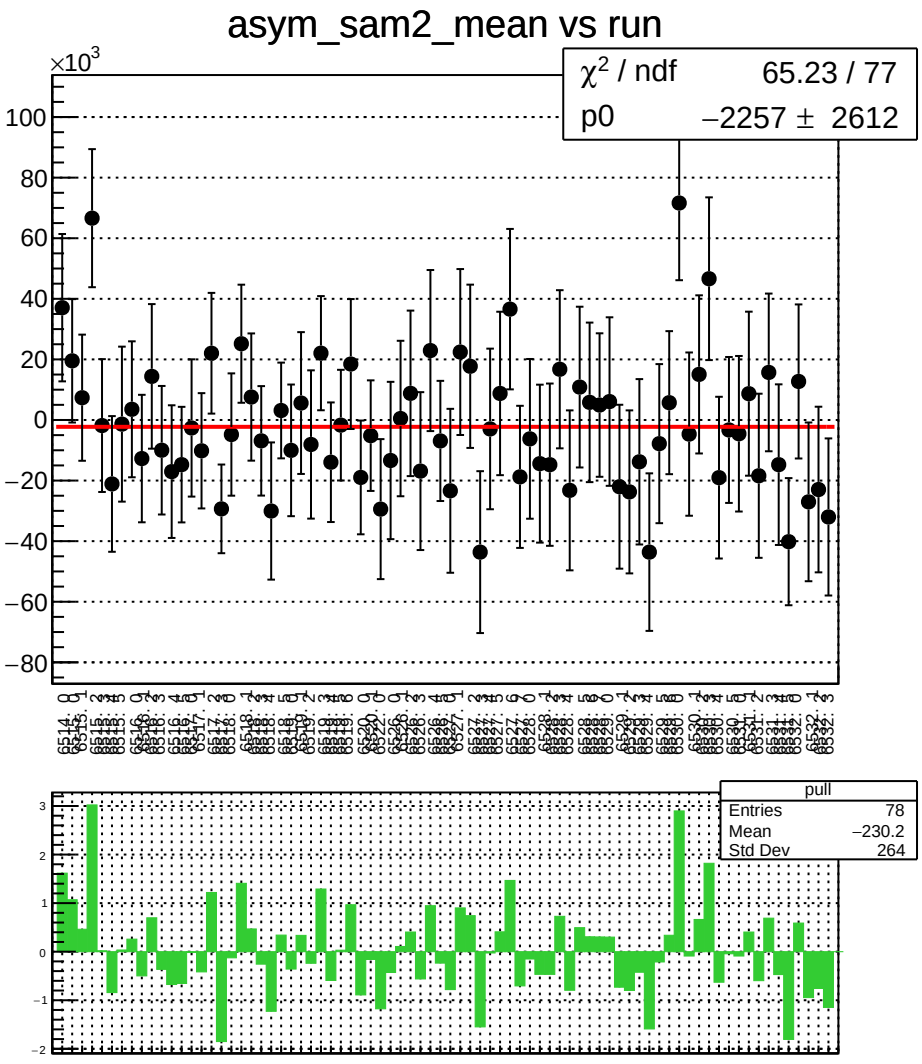


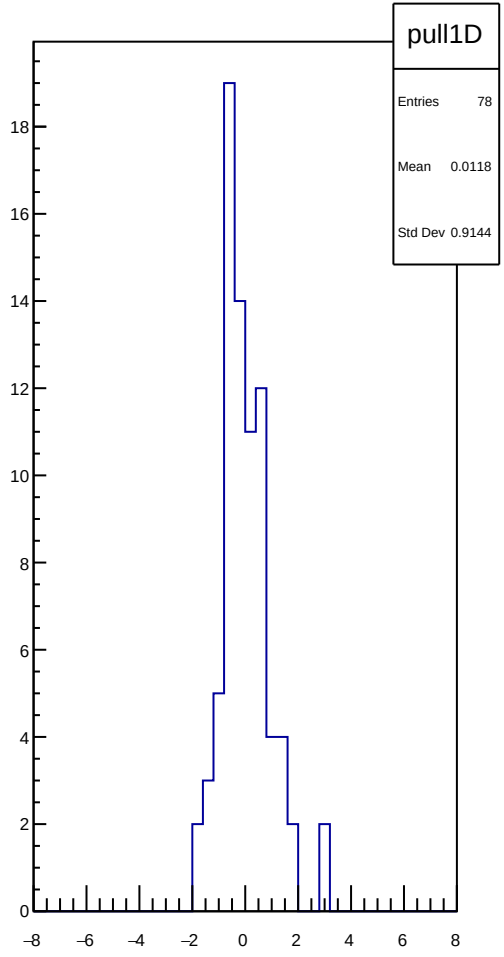

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 61.9 / 77
p0 2346 ± 2649
pull
Entries 78
Mean −135.2
Std Dev 167

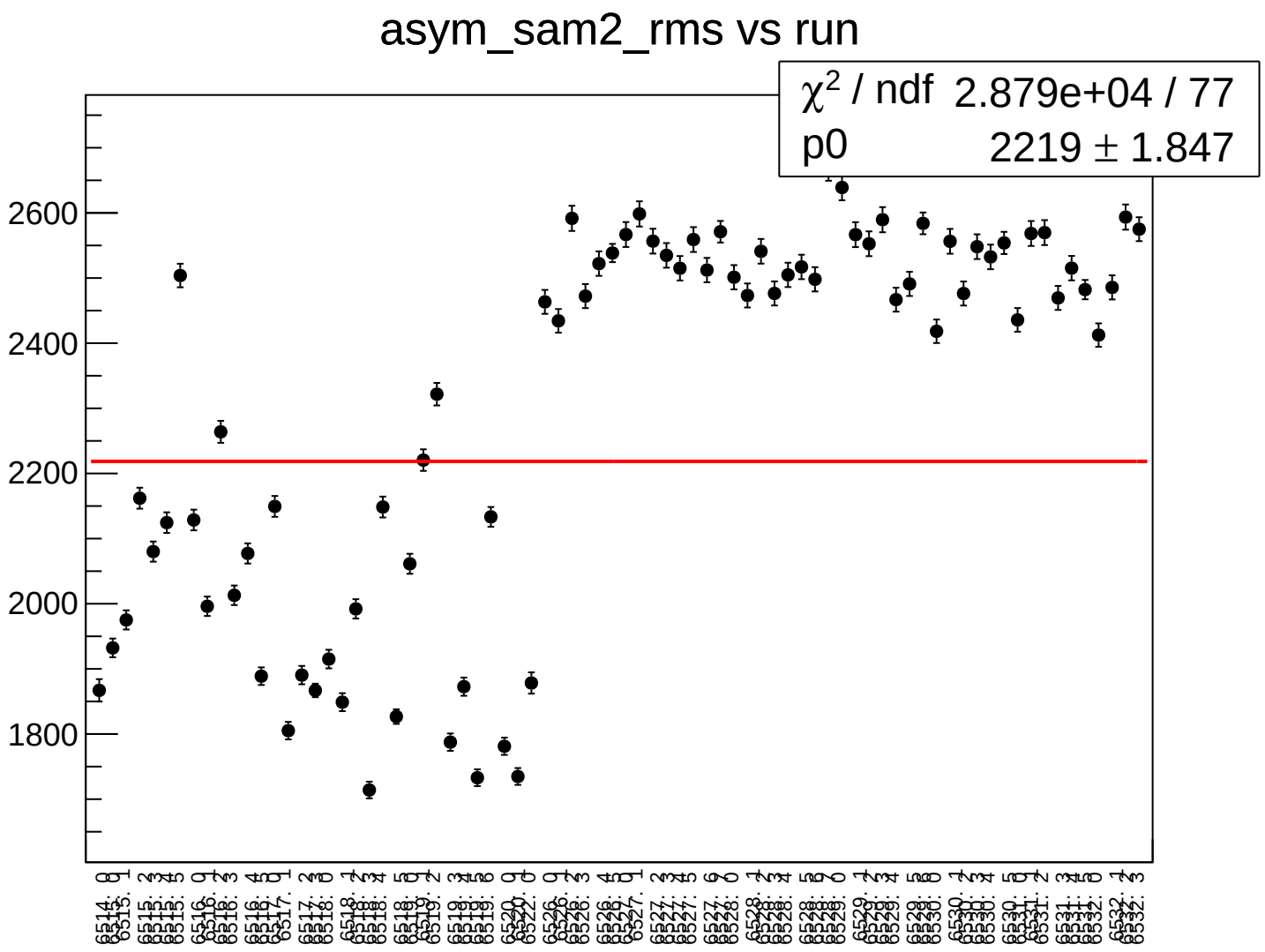

pull1D
Entries 78
Mean −0.01676
Std Dev 0.8907

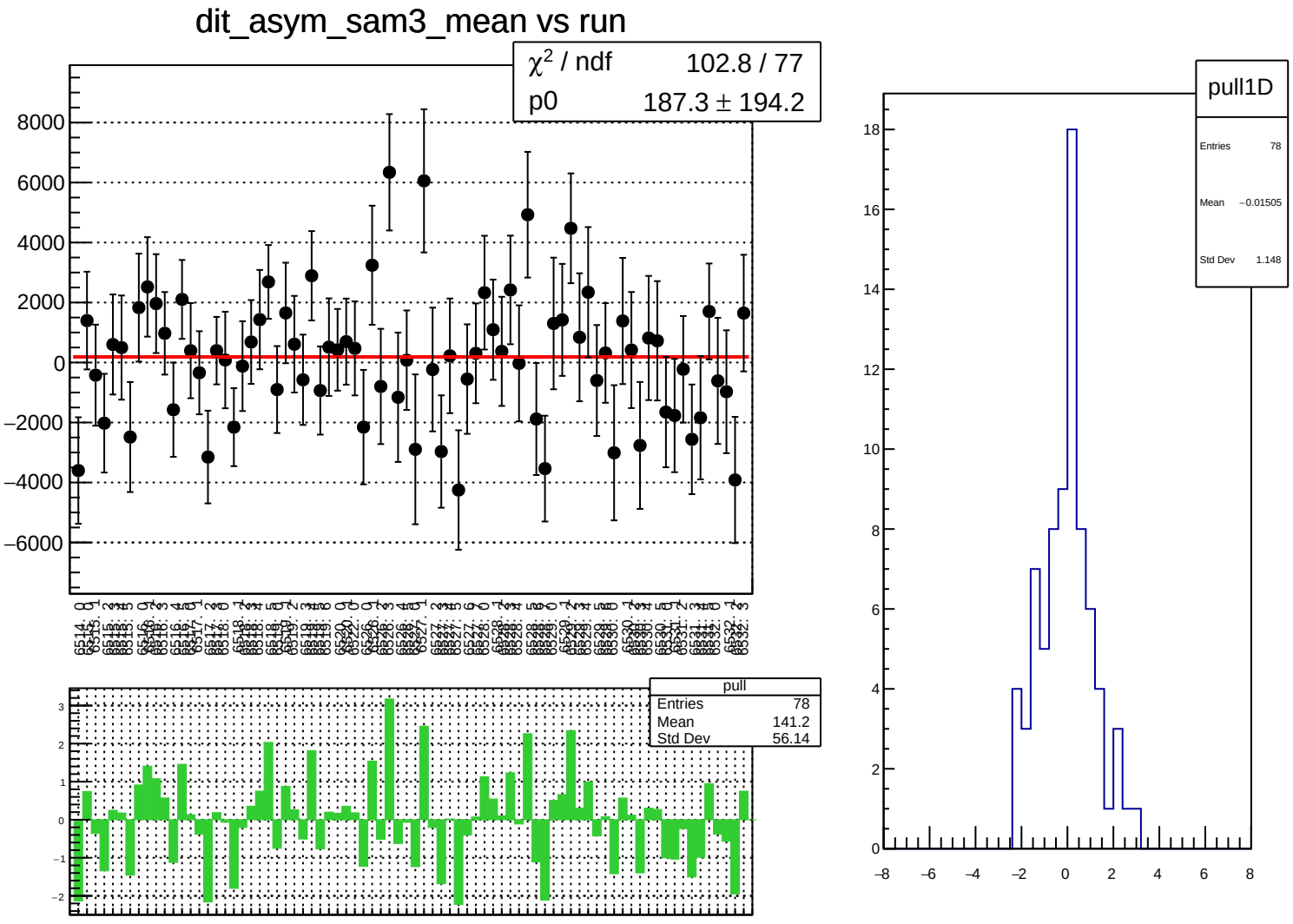
asym_sam2_correction_rms vs run



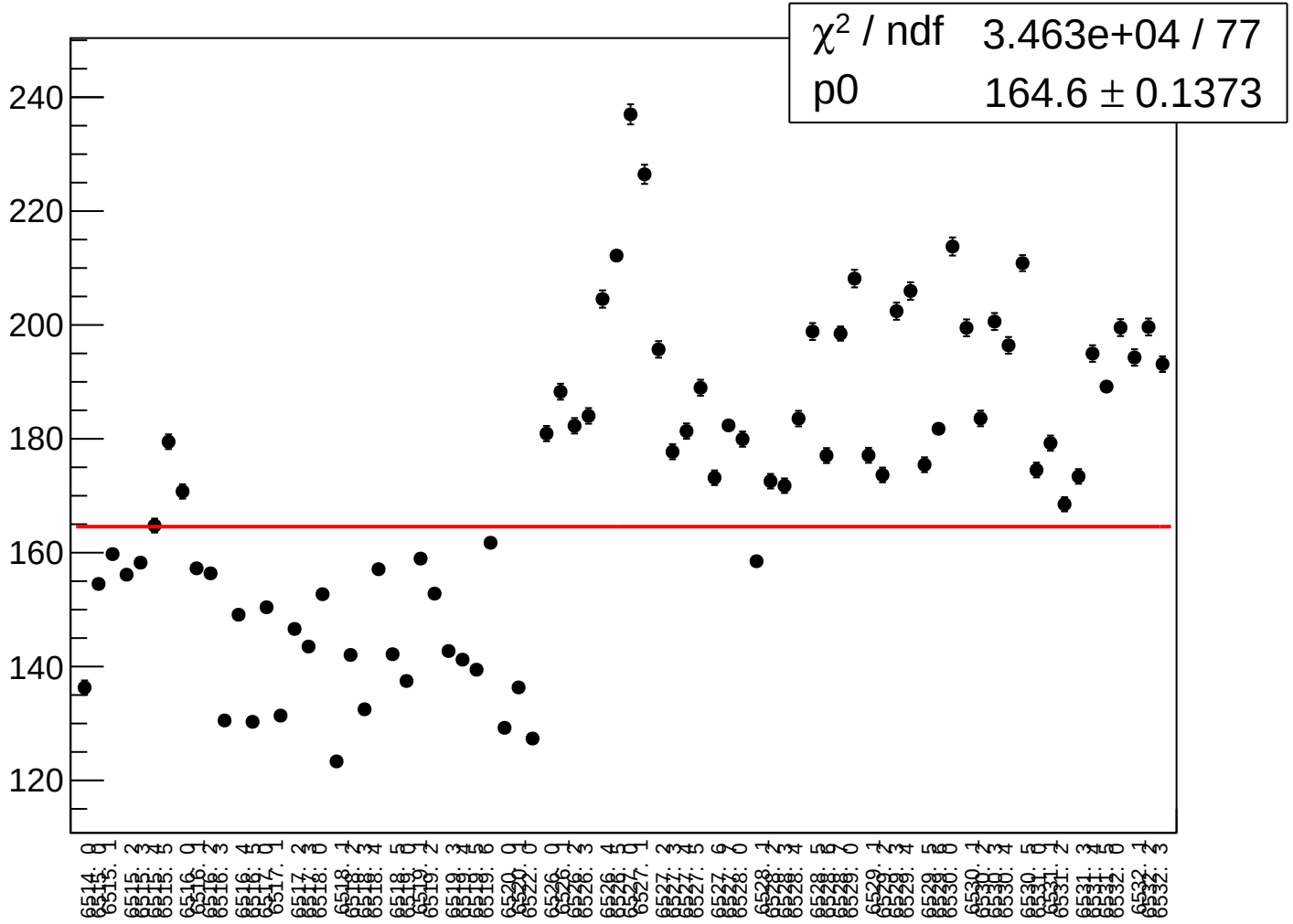

asym_sam2_mean vs run
×10^3
χ² / ndf 65.23 / 77
p0 −2257 ± 2612
pull
Entries 78
Mean −230.2
Std Dev 264

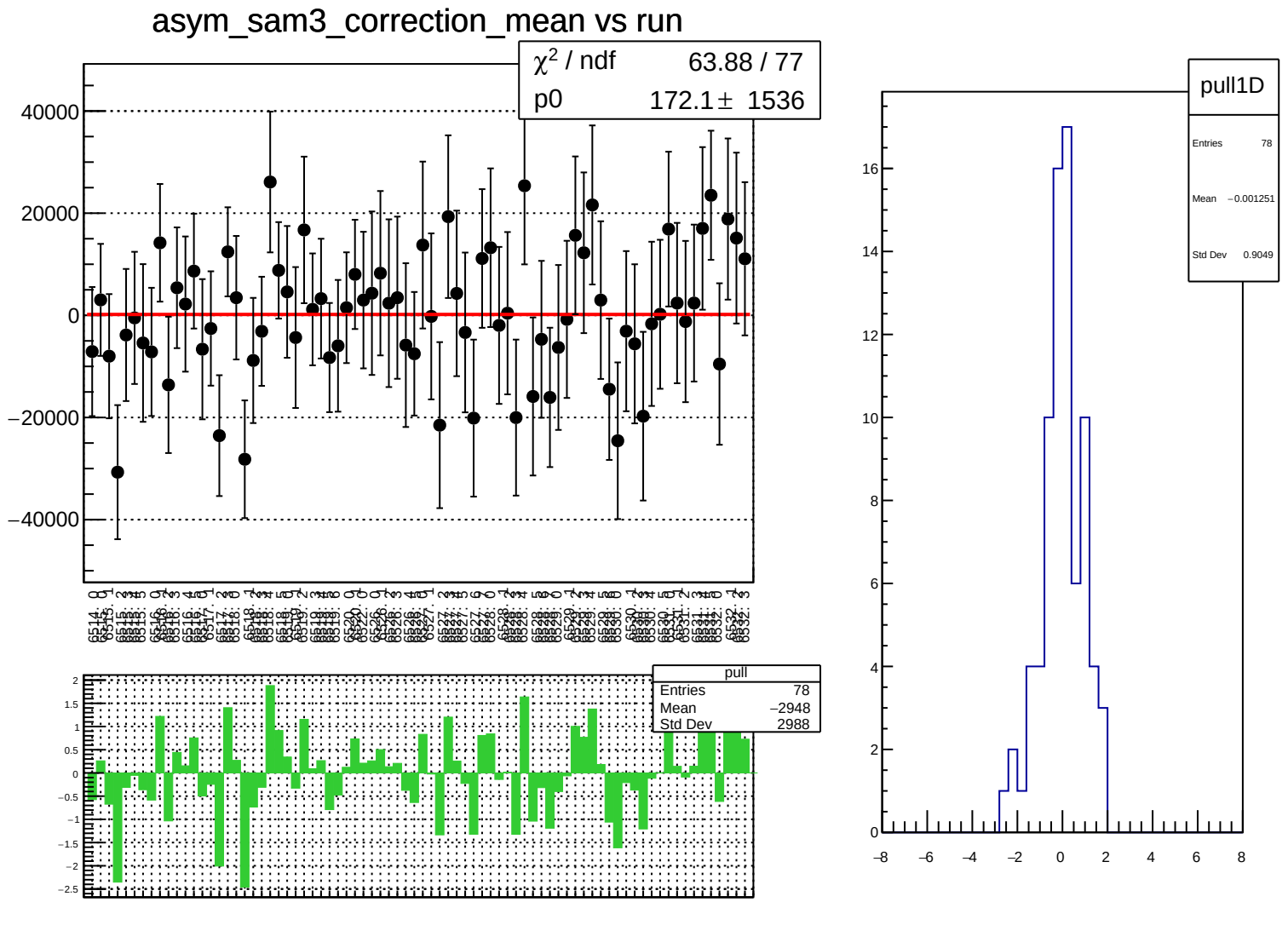

pull1D
Entries 78
Mean 0.0118
Std Dev 0.9144

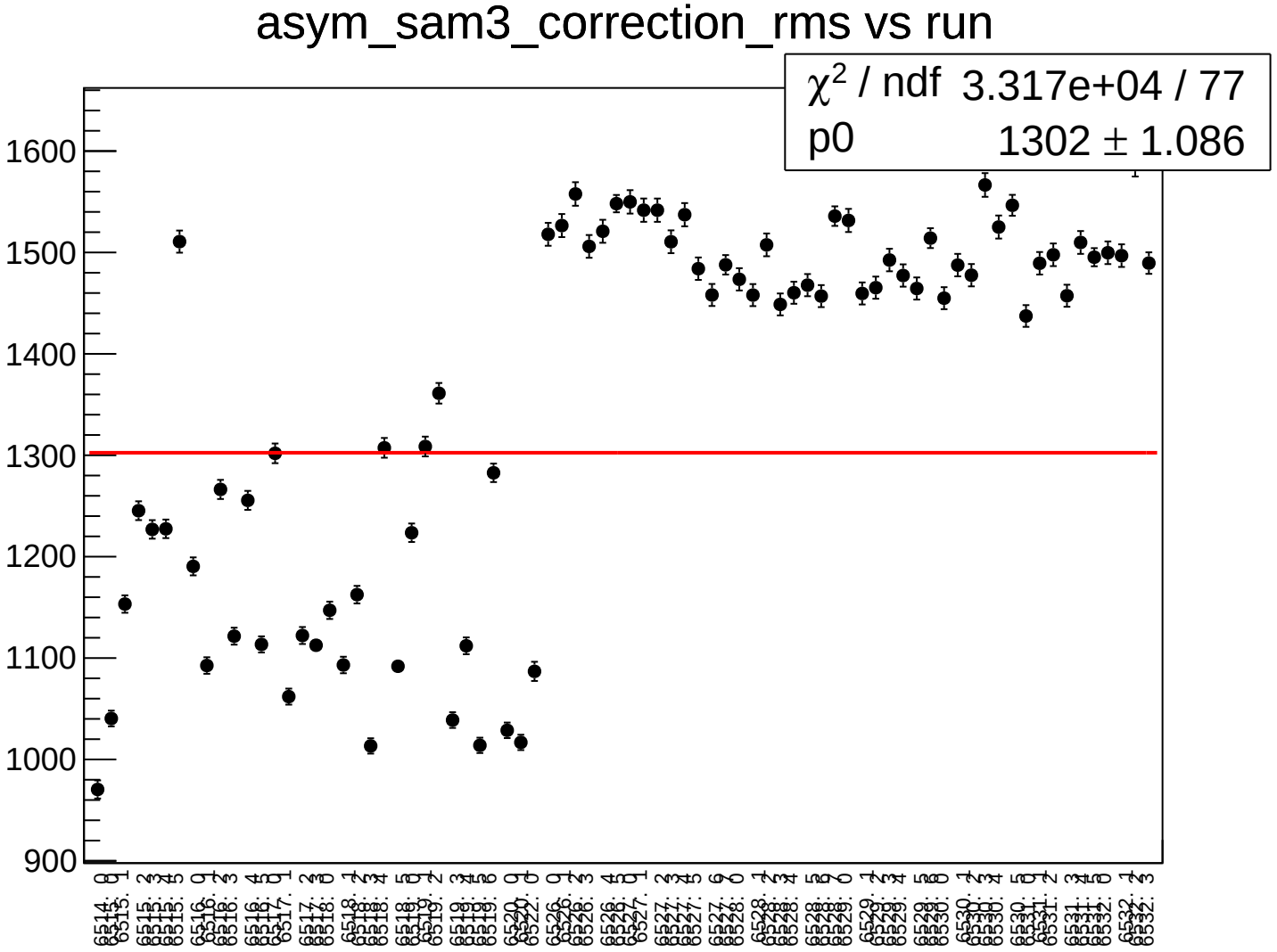

asym_sam2_rms vs run
χ2 / ndf 2.879e+04 / 77
p0 2219 ± 1.847
2600
2400
2200
2000
1800

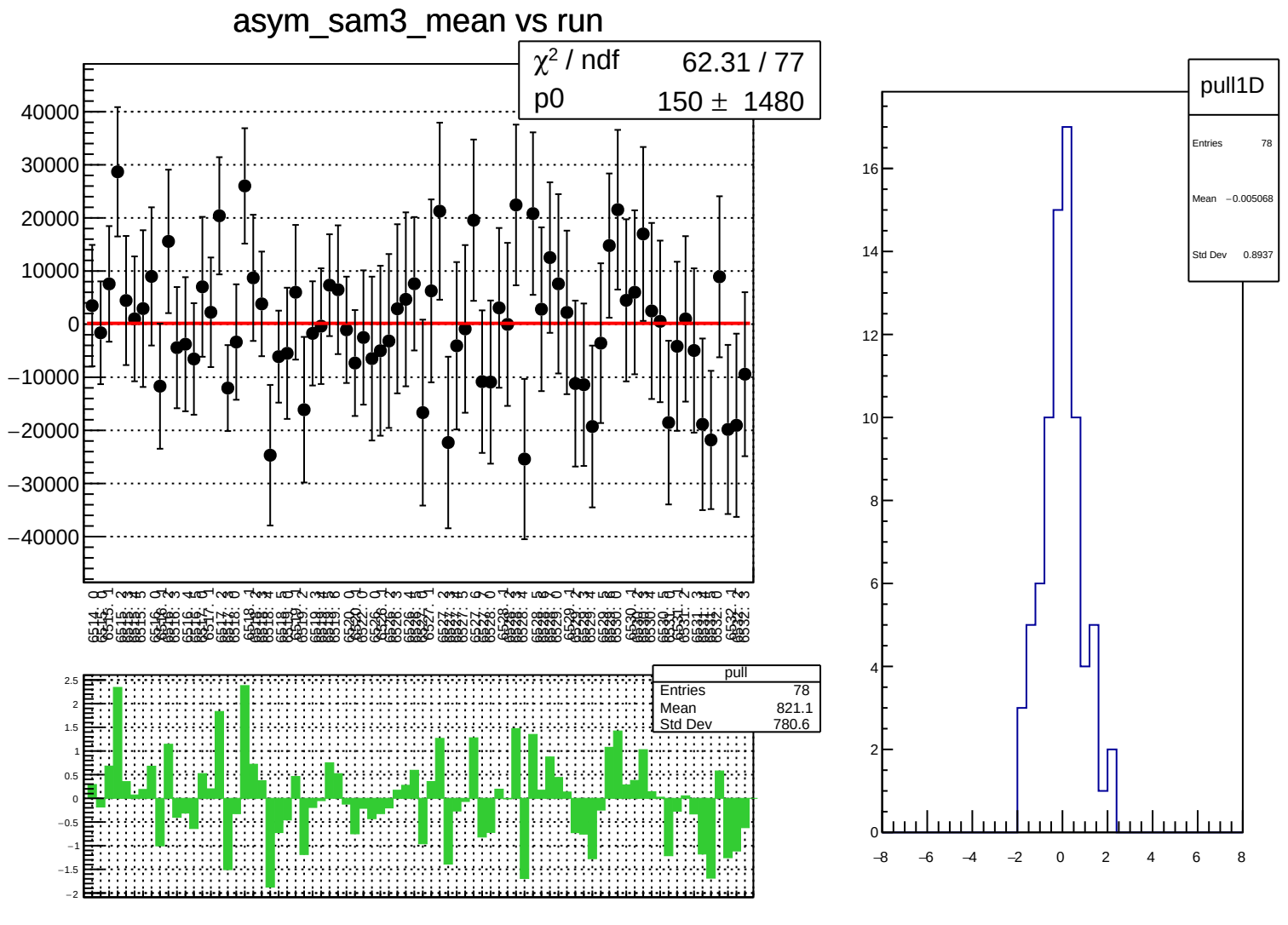

dit_asym_sam3_mean vs run
χ² / ndf 102.8 / 77
p0 187.3 ± 194.2
pull
Entries 78
Mean 141.2
Std Dev 56.14
pull1D
Entries 78
Mean −0.01505
Std Dev 1.148

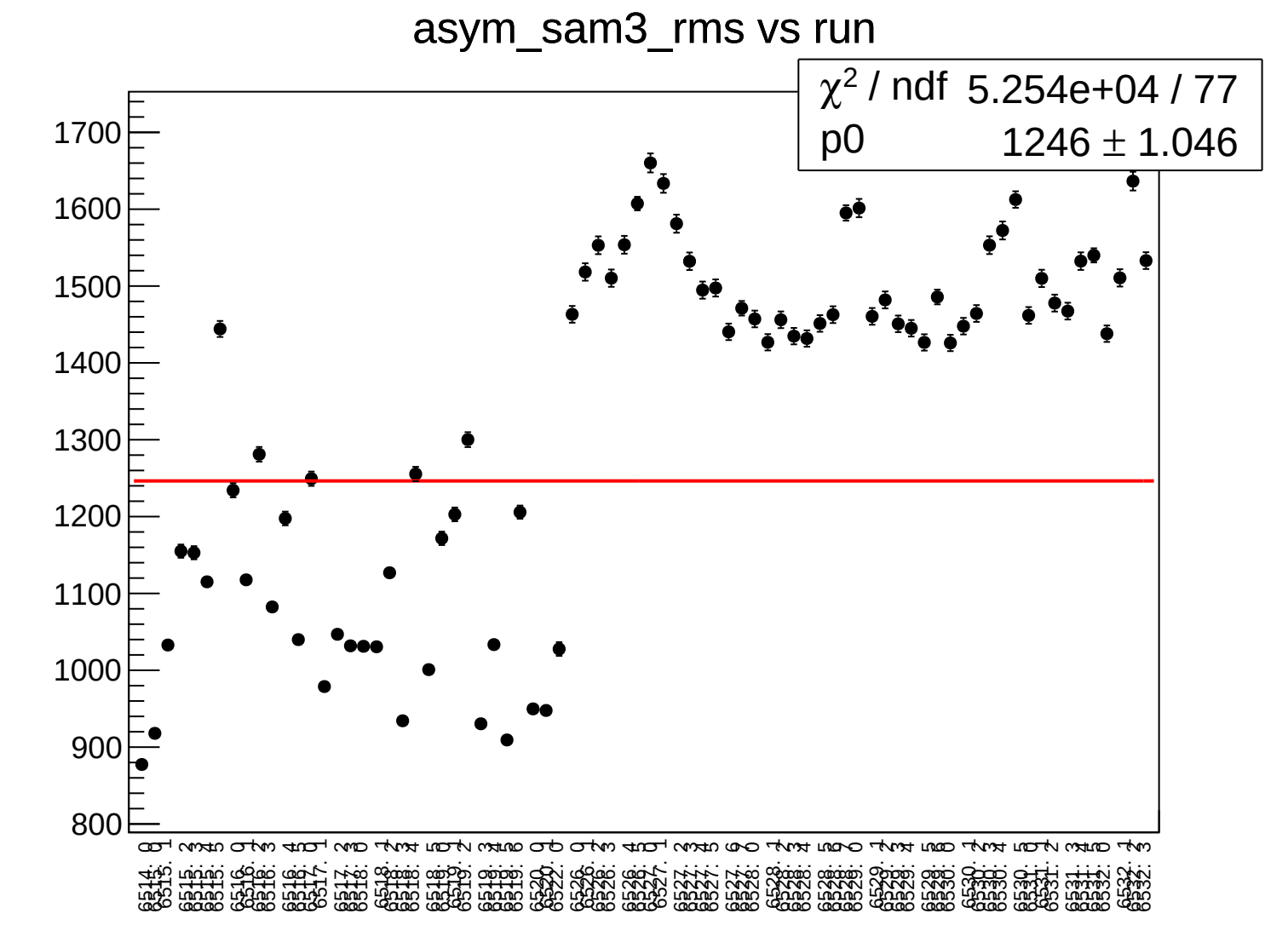
dit_asym_sam3_rms vs run

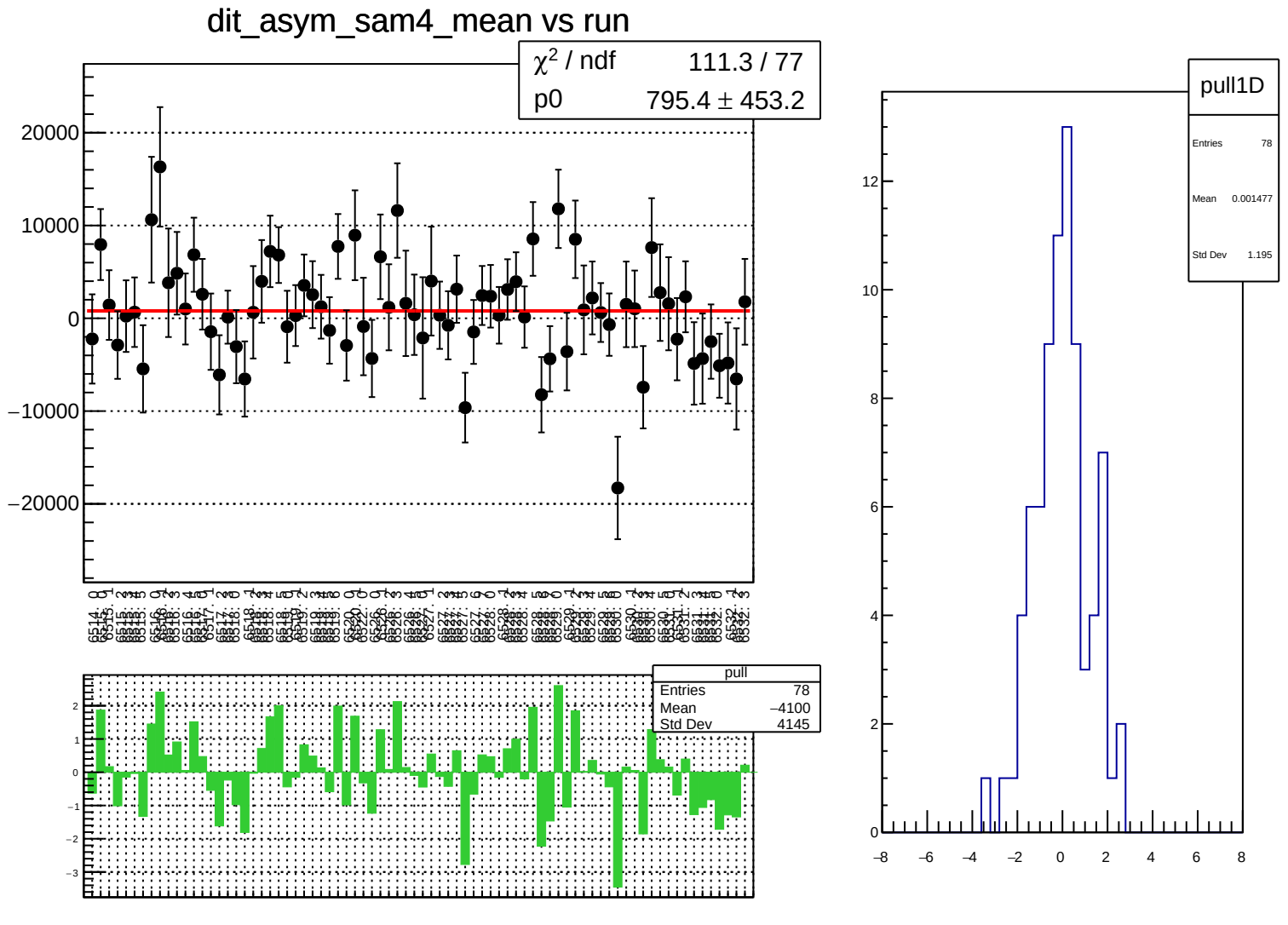


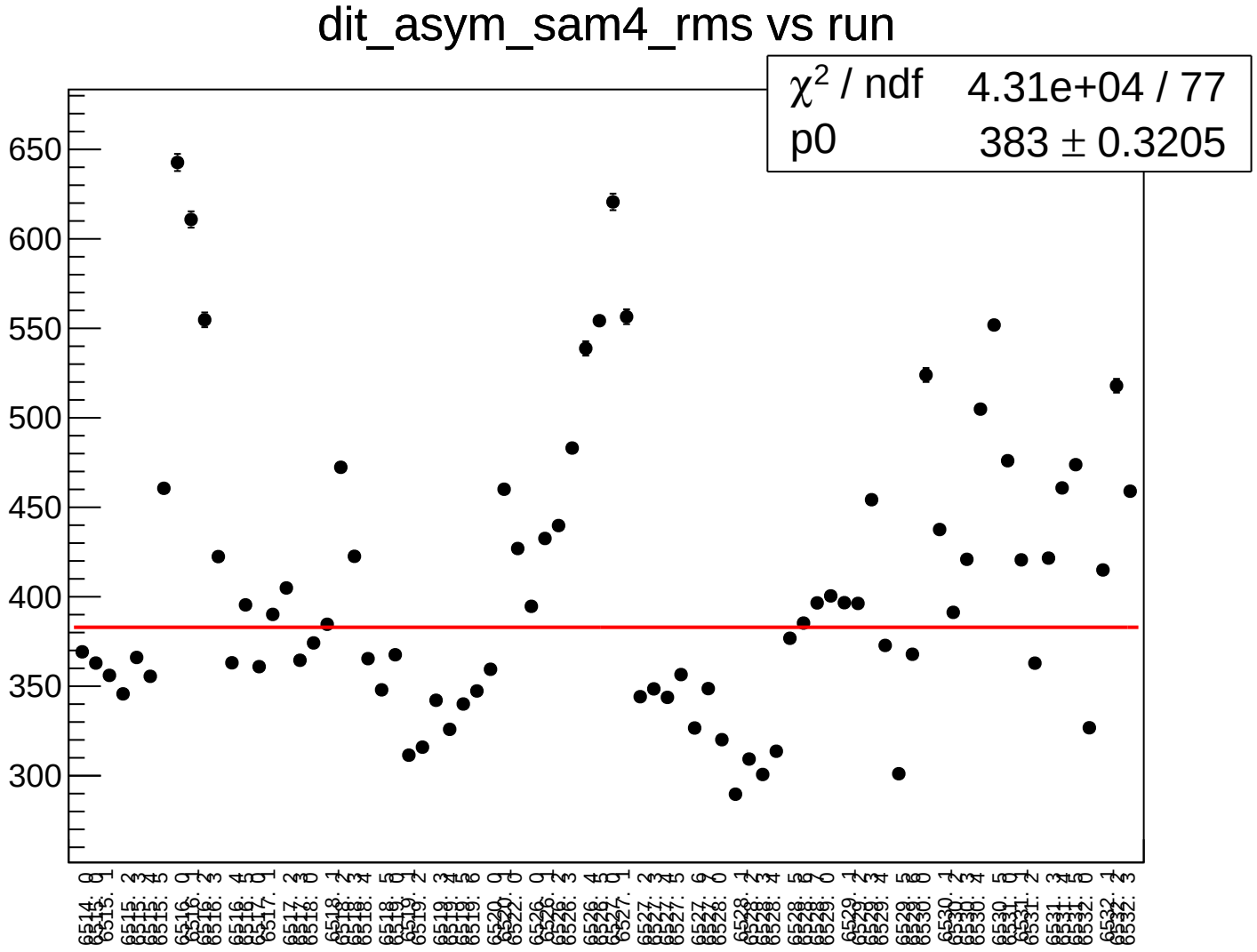

asym_sam3_correction_mean vs run
χ² / ndf 63.88 / 77
p0 172.1 ± 1536
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −2948
Std Dev 2988
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 78
Mean −0.001251
Std Dev 0.9049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

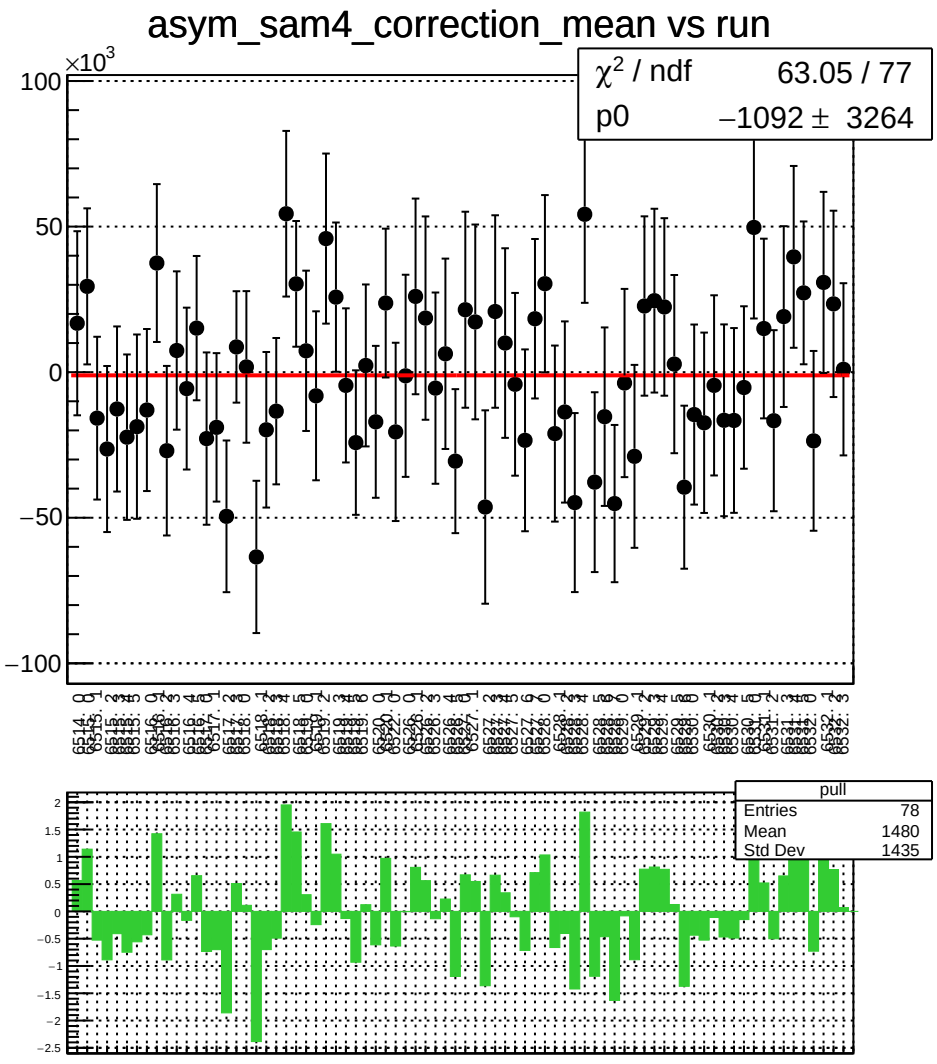

asym_sam3_correction_rms vs run
χ^2 / ndf 3.317e+04 / 77
p0 1302 ± 1.086
1600
1500
1400
1300
1200
1100
1000
900

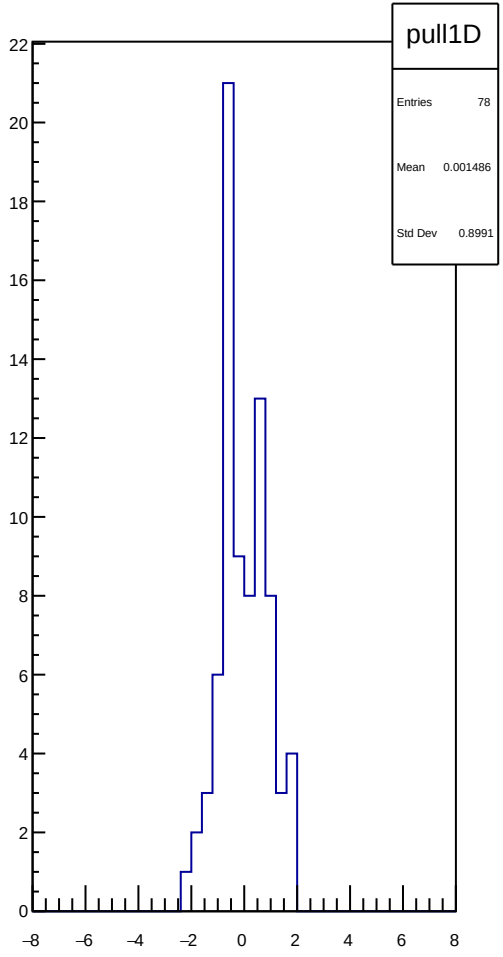

asym_sam3_mean vs run
χ² / ndf 62.31 / 77
p0 150 ± 1480
pull
Entries 78
Mean 821.1
Std Dev 780.6
pull1D
Entries 78
Mean −0.005068
Std Dev 0.8937


asym_sam3_rms vs run
χ² / ndf 5.254e+04 / 77
p0 1246 ± 1.046
1700
1600
1500
1400
1300
1200
1100
1000
900
800

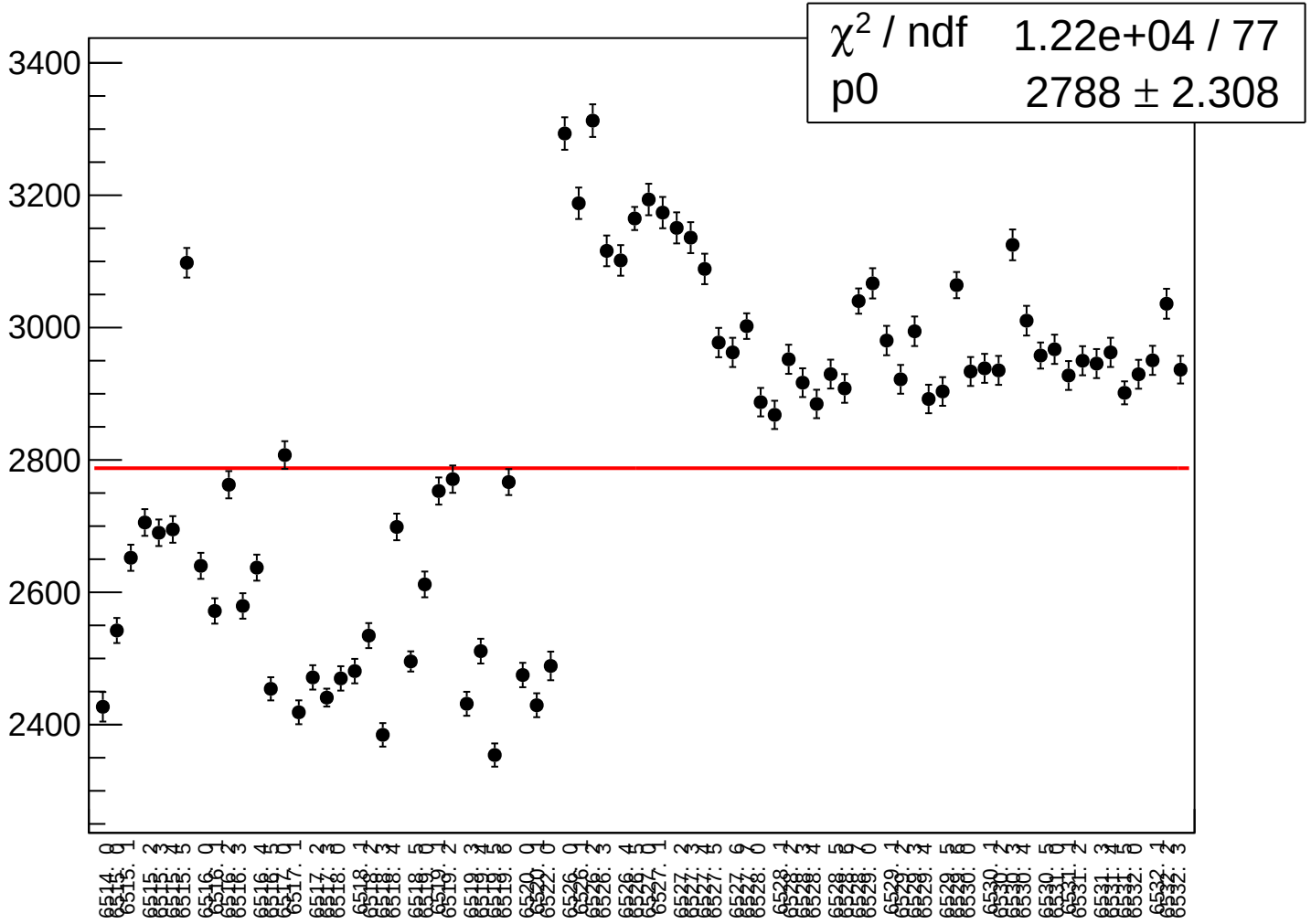

dit_asym_sam4_mean vs run
χ² / ndf 111.3 / 77
p0 795.4 ± 453.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −4100
Std Dev 4145
pull1D
Entries 78
Mean 0.001477
Std Dev 1.195

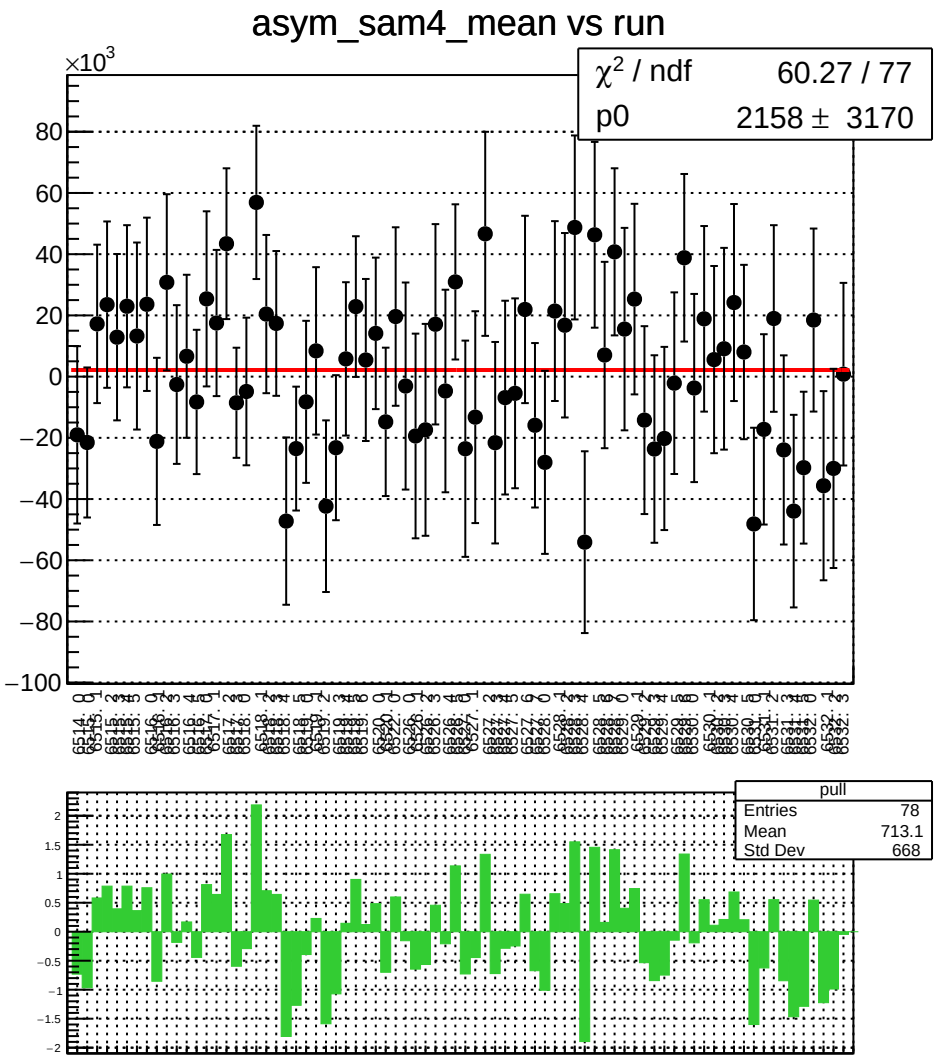

dit_asym_sam4_rms vs run
χ² / ndf 4.31e+04 / 77
p0 383 ± 0.3205
650
600
550
500
450
400
350
300

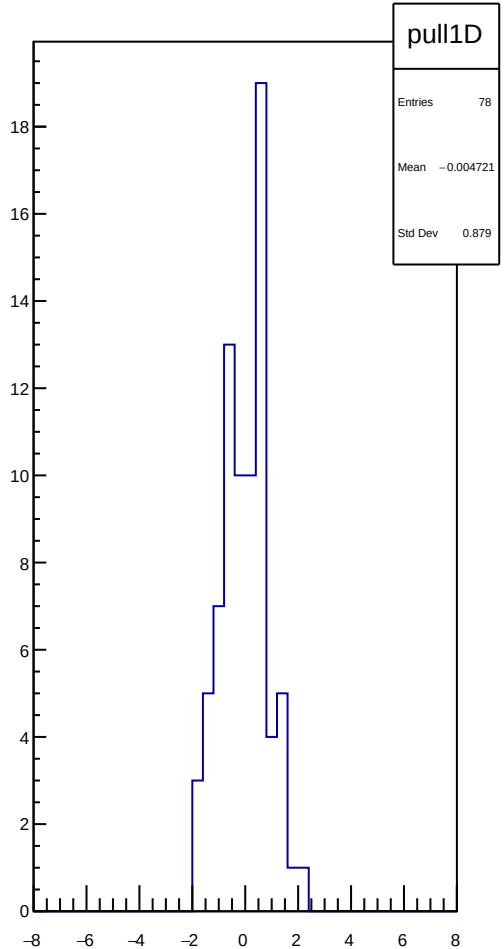

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 63.05 / 77
p0 −1092 ± 3264
pull
Entries 78
Mean 1480
Std Dev 1435

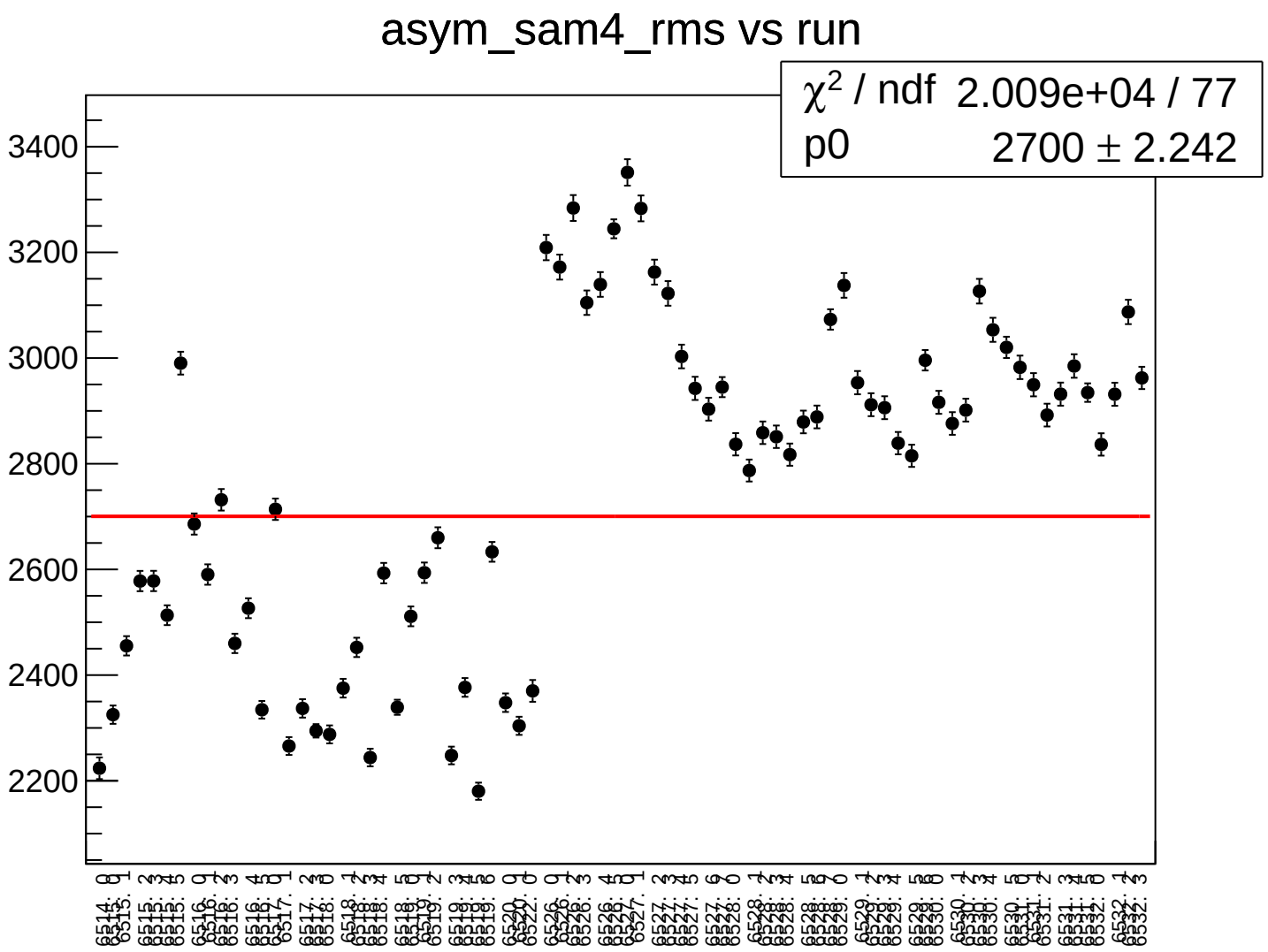

pull1D
Entries 78
Mean 0.001486
Std Dev 0.8991

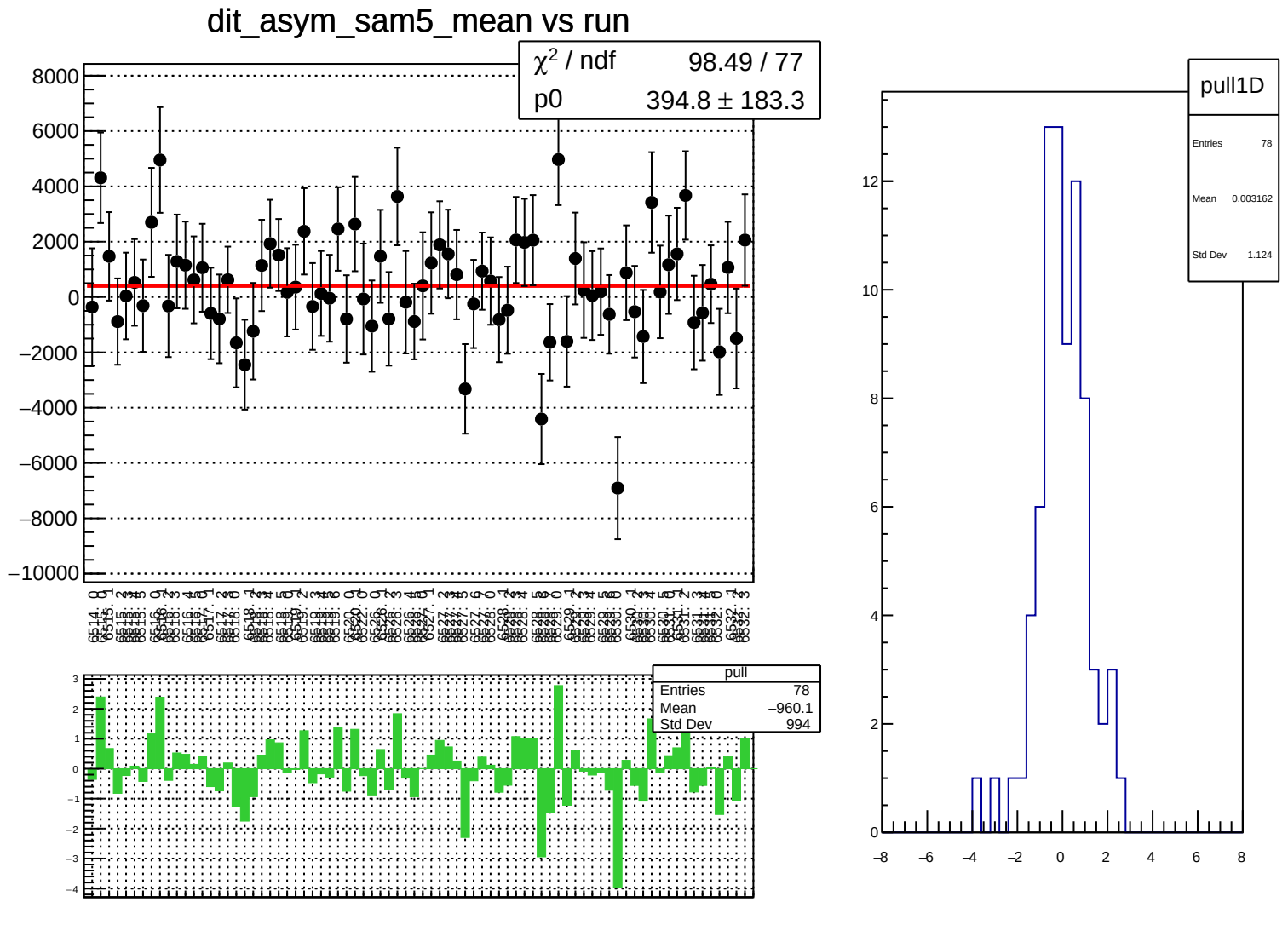
asym_sam4_correction_rms vs run

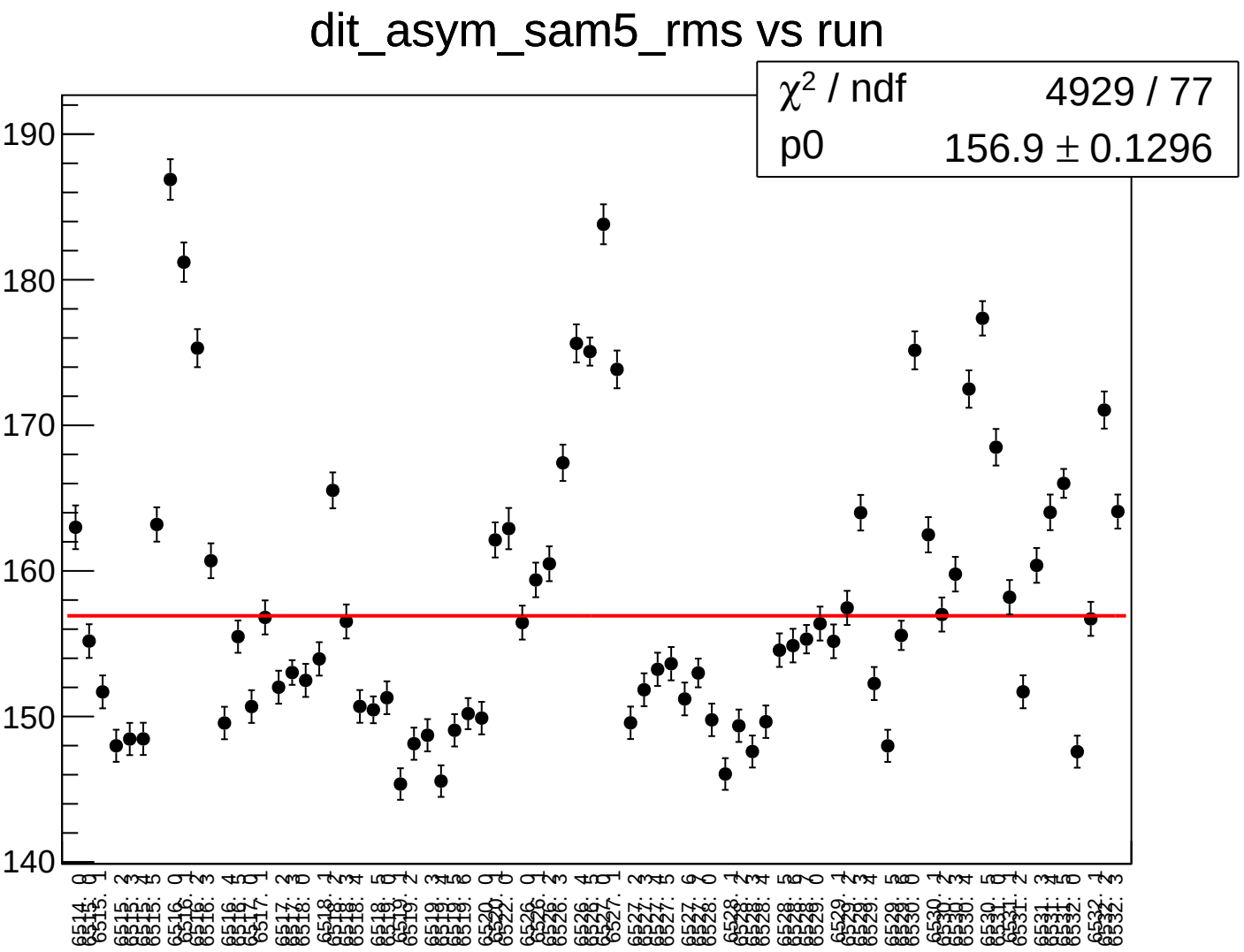


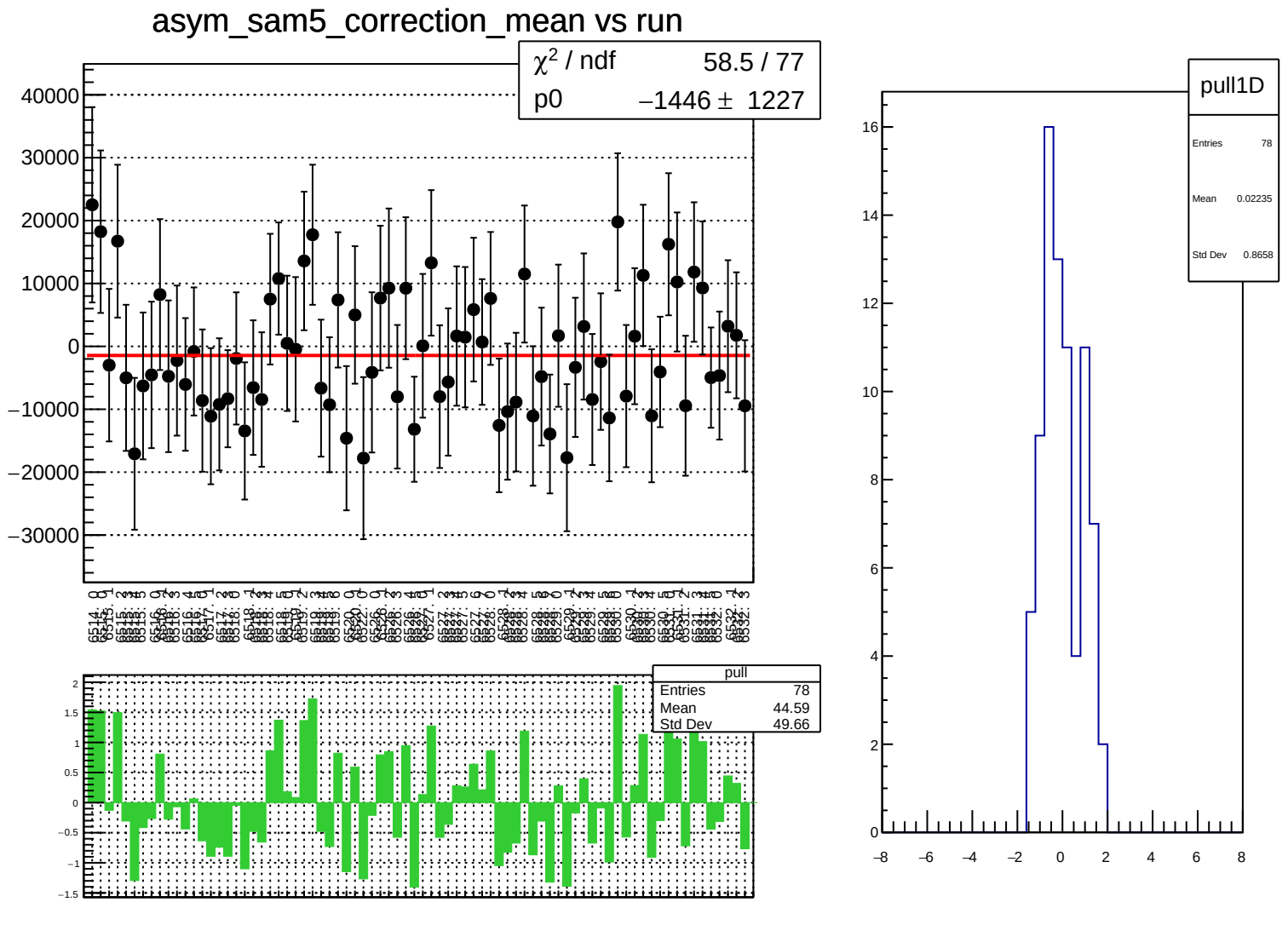

asym_sam4_mean vs run
×10^3
χ² / ndf 60.27 / 77
p0 2158 ± 3170
pull
Entries 78
Mean 713.1
Std Dev 668

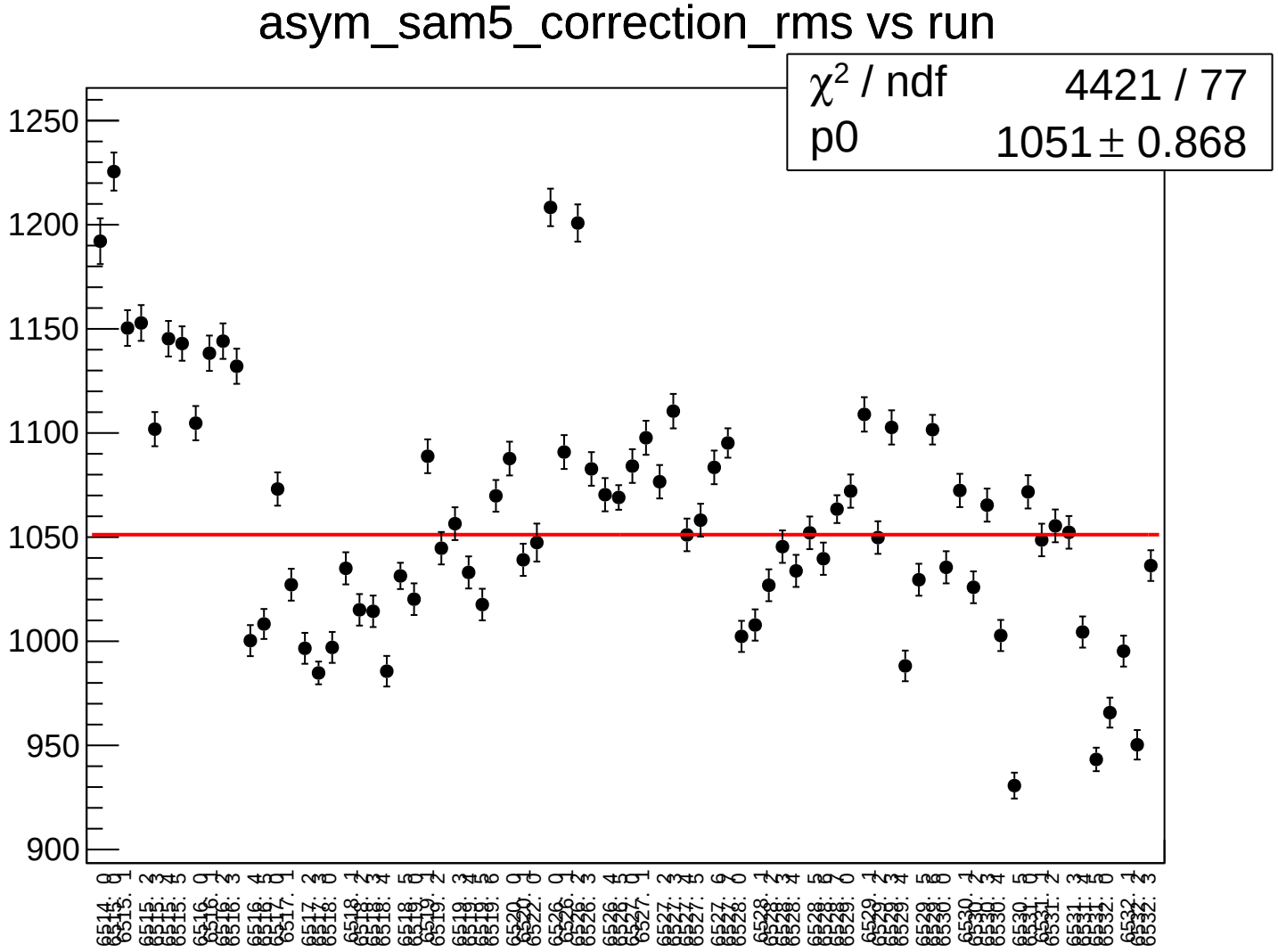

pull1D
Entries 78
Mean −0.004721
Std Dev 0.879

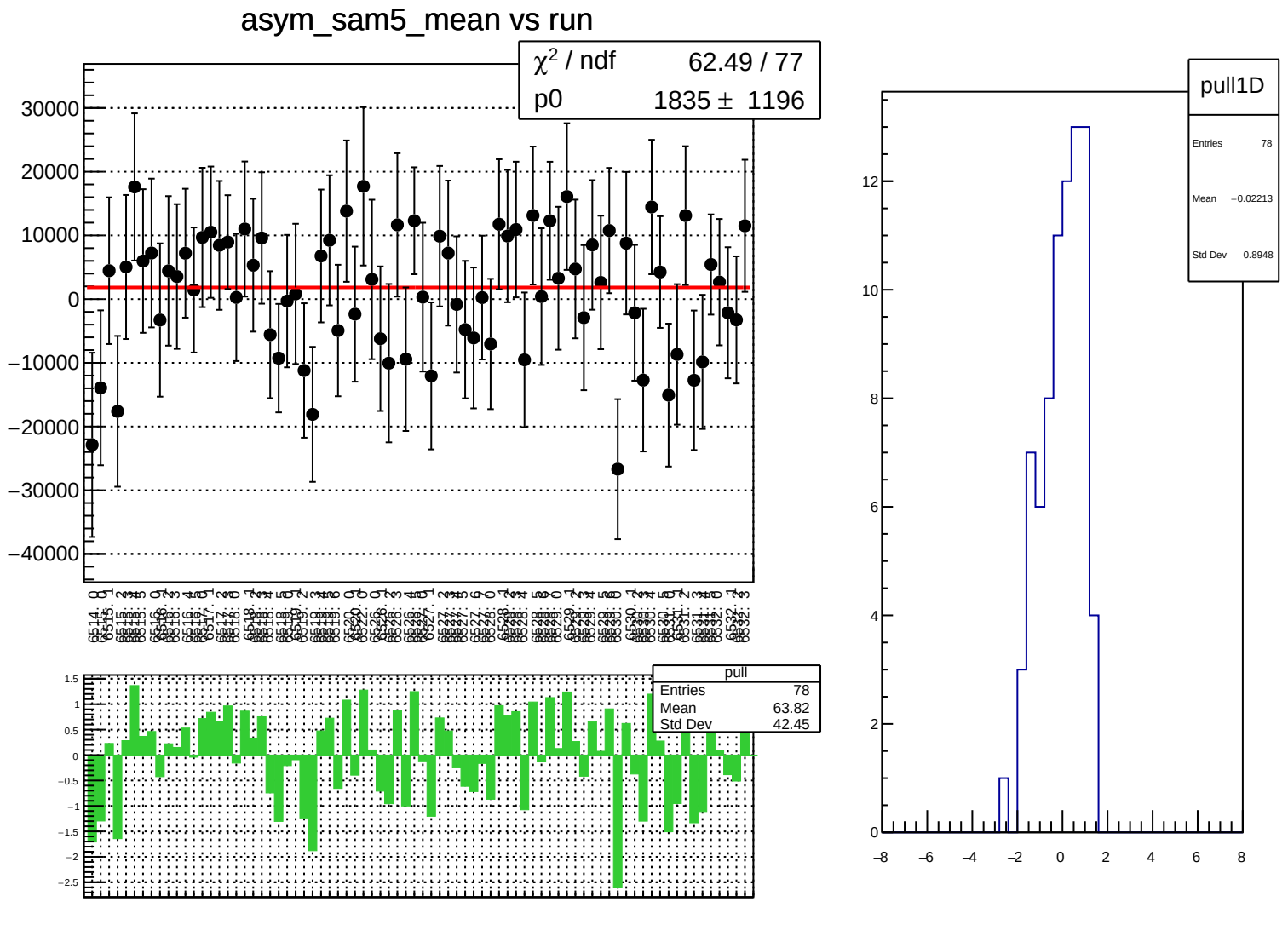

asym_sam4_rms vs run
χ² / ndf 2.009e+04 / 77
p0 2700 ± 2.242
3400
3200
3000
2800
2600
2400
2200

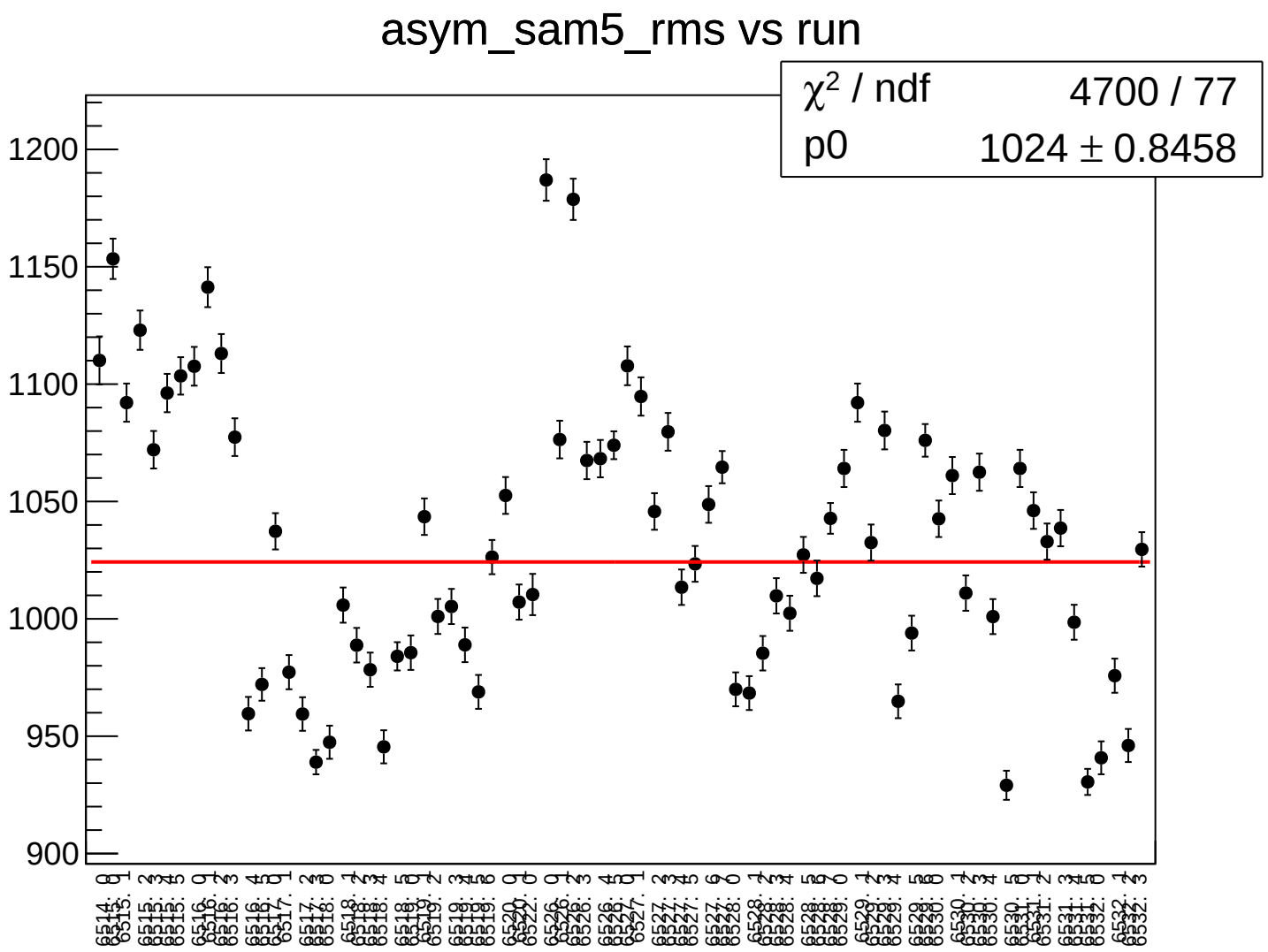

dit_asym_sam5_mean vs run
χ² / ndf 98.49 / 77
p0 394.8 ± 183.3
pull
Entries 78
Mean −960.1
Std Dev 994
pull1D
Entries 78
Mean 0.003162
Std Dev 1.124

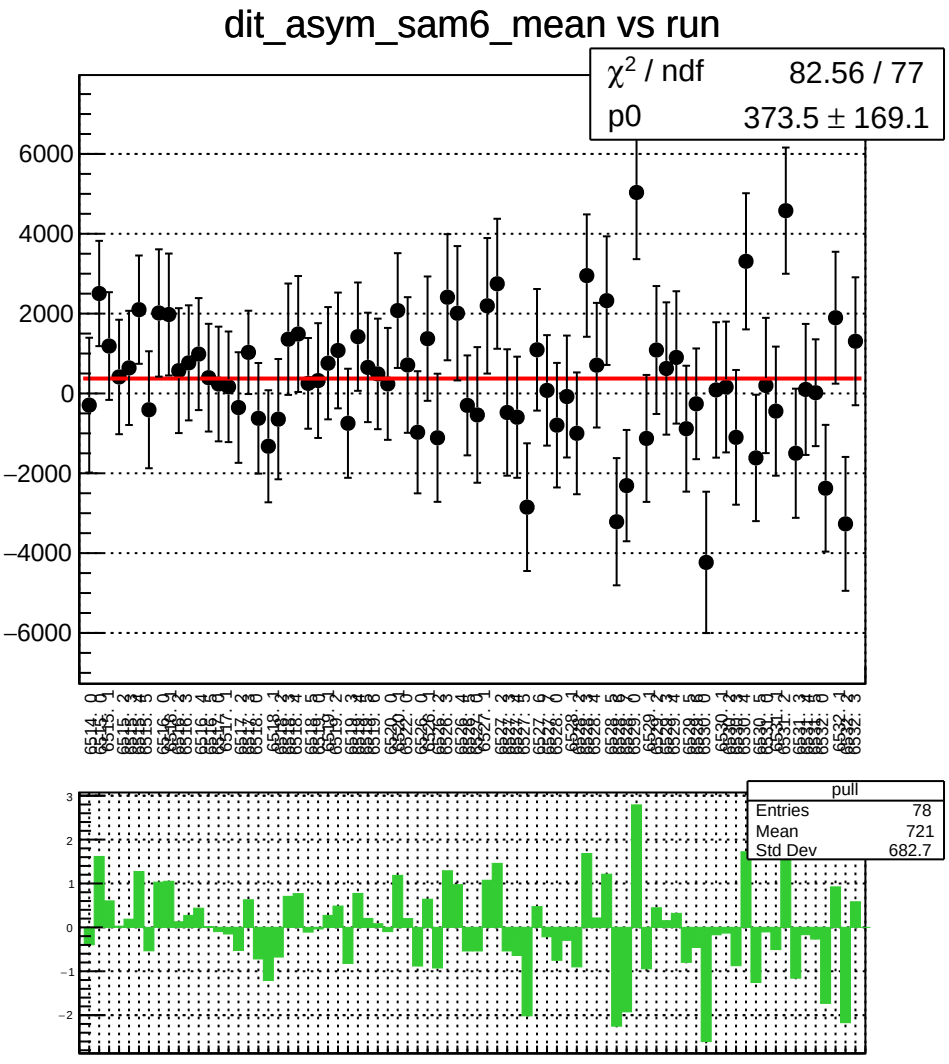

dit_asym_sam5_rms vs run
χ² / ndf 4929 / 77
p0 156.9 ± 0.1296
190
180
170
160
150
140

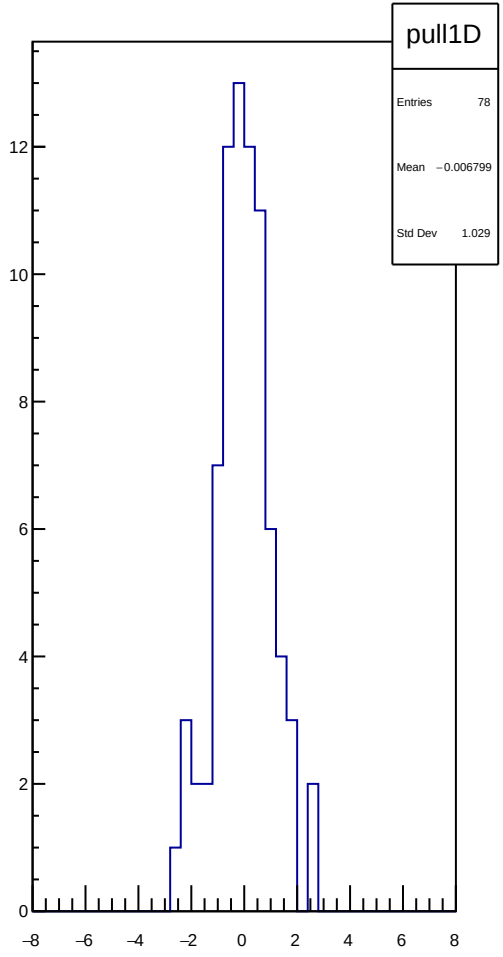

asym_sam5_correction_mean vs run
χ² / ndf 58.5 / 77
p0 −1446 ± 1227
pull
Entries 78
Mean 44.59
Std Dev 49.66
pull1D
Entries 78
Mean 0.02235
Std Dev 0.8658


asym_sam5_correction_rms vs run
χ² / ndf 4421 / 77
p0 1051 ± 0.868
1250
1200
1150
1100
1050
1000
950
900

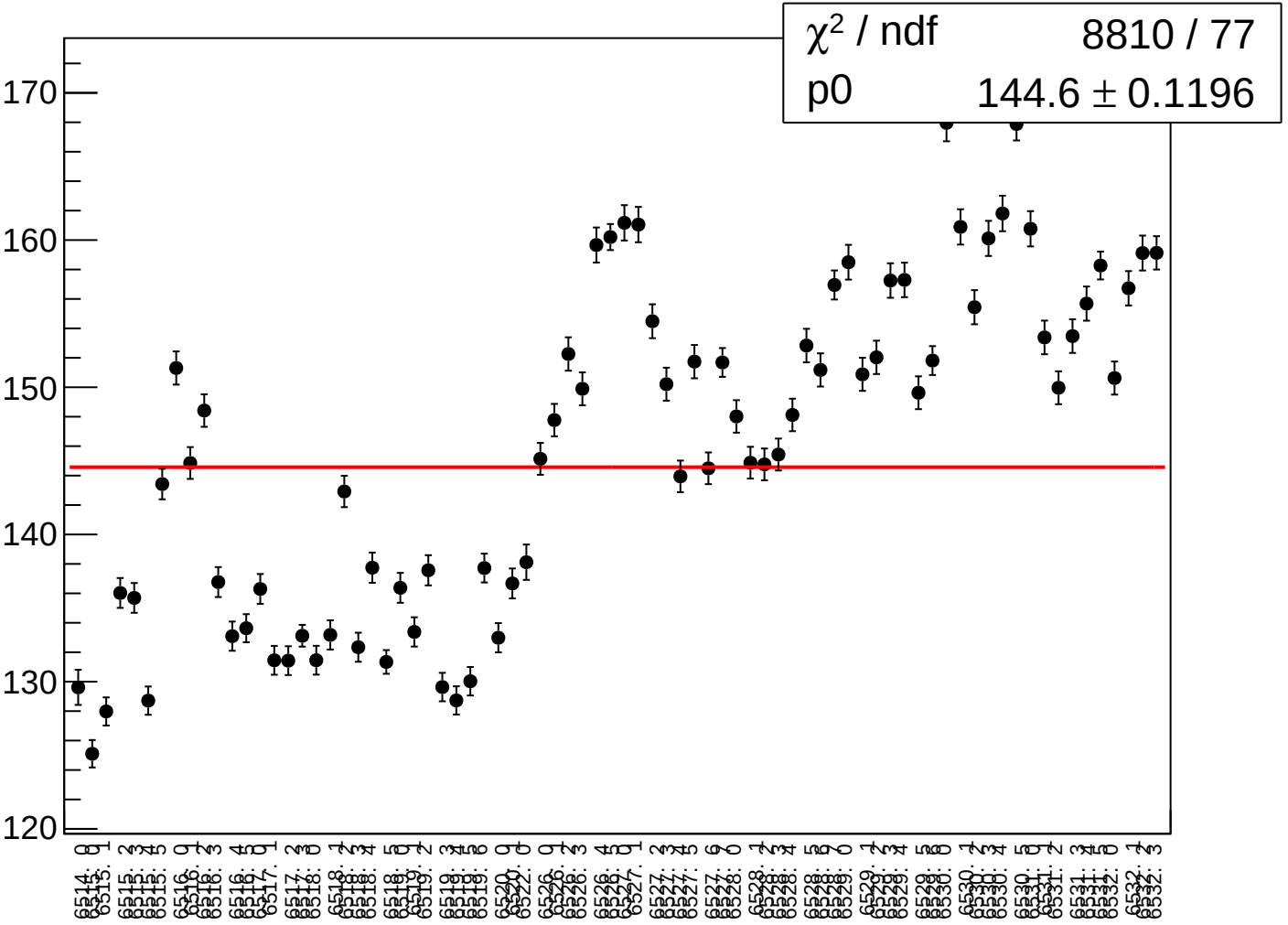

asym_sam5_mean vs run
χ^2 / ndf 62.49 / 77
p0 1835 ± 1196
pull
Entries 78
Mean 63.82
Std Dev 42.45
pull1D
Entries 78
Mean −0.02213
Std Dev 0.8948

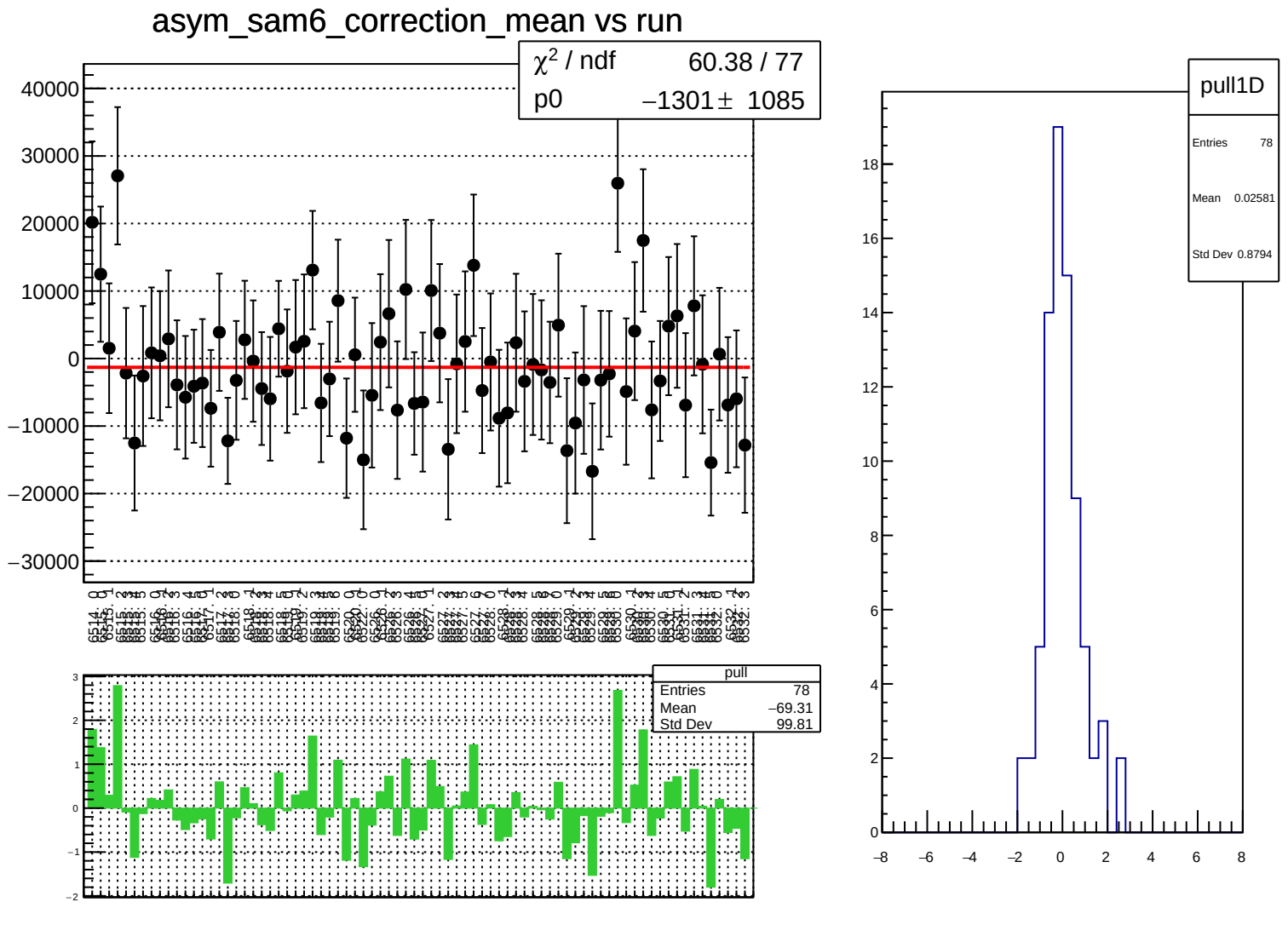

asym_sam5_rms vs run
χ^2 / ndf 4700 / 77
p0 1024 ± 0.8458
1200
1150
1100
1050
1000
950
900


dit_asym_sam6_mean vs run
χ² / ndf 82.56 / 77
p0 373.5 ± 169.1
pull
Entries 78
Mean 721
Std Dev 682.7

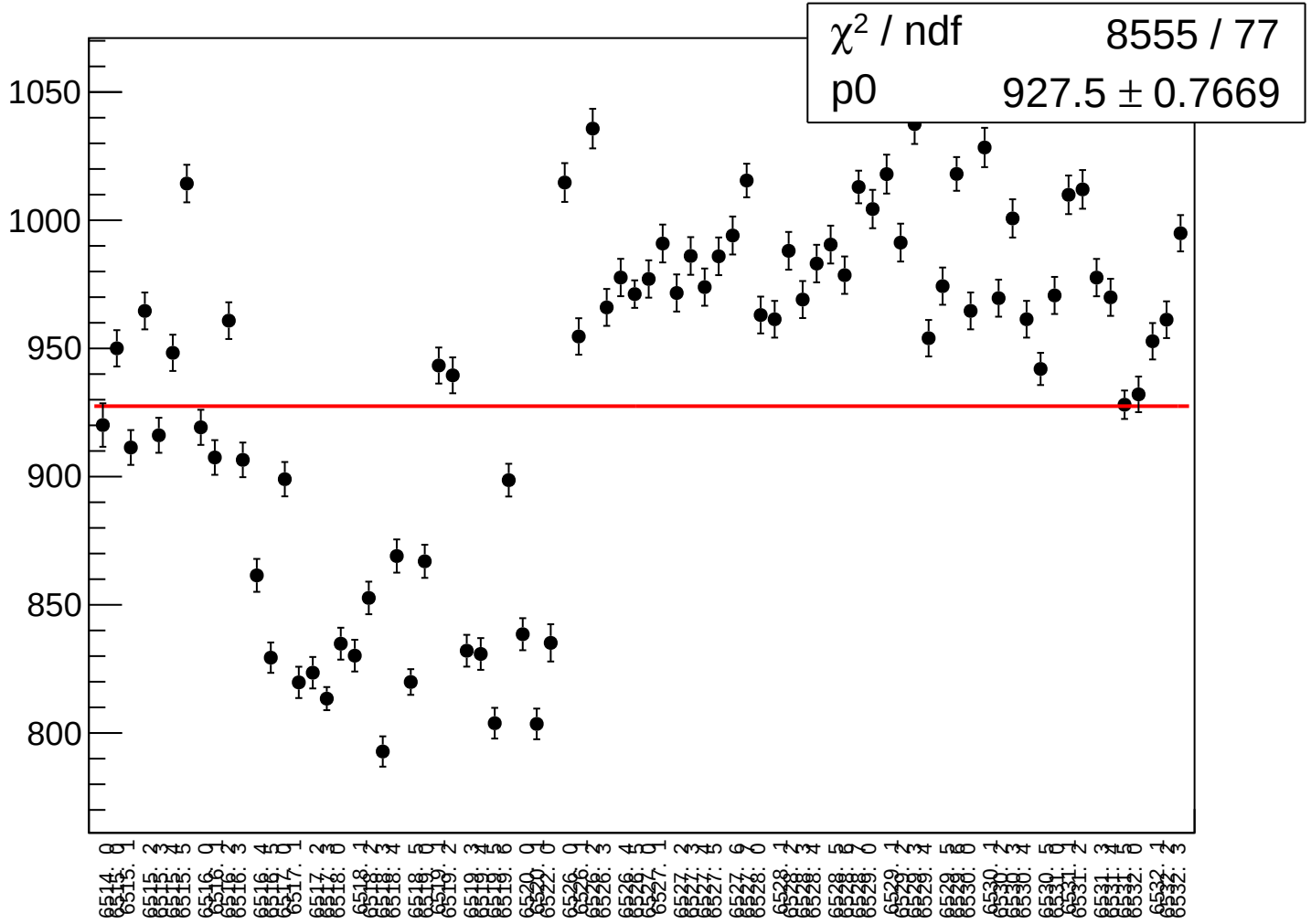

pull1D
Entries 78
Mean −0.006799
Std Dev 1.029

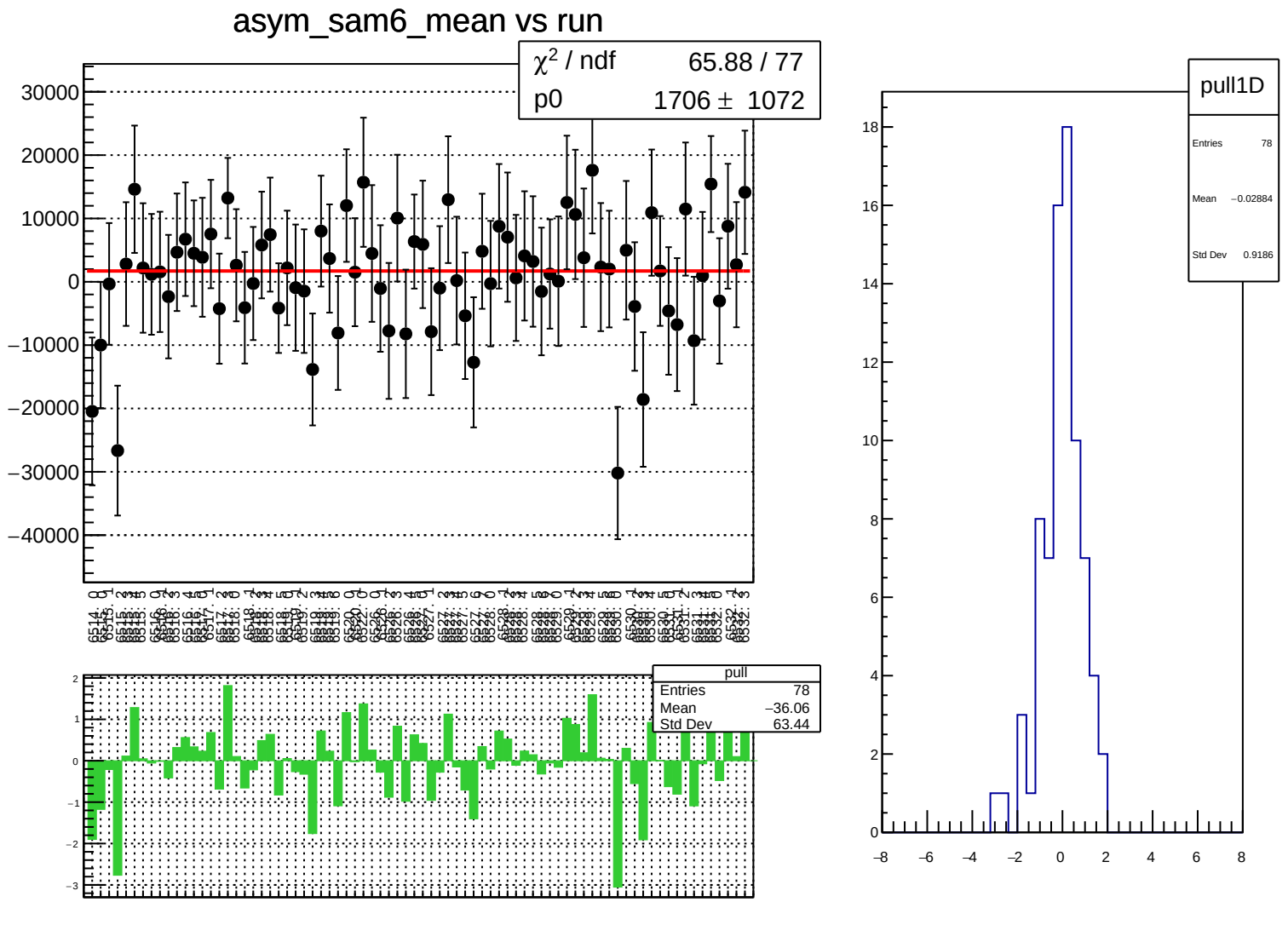
dit_asym_sam6_rms vs run

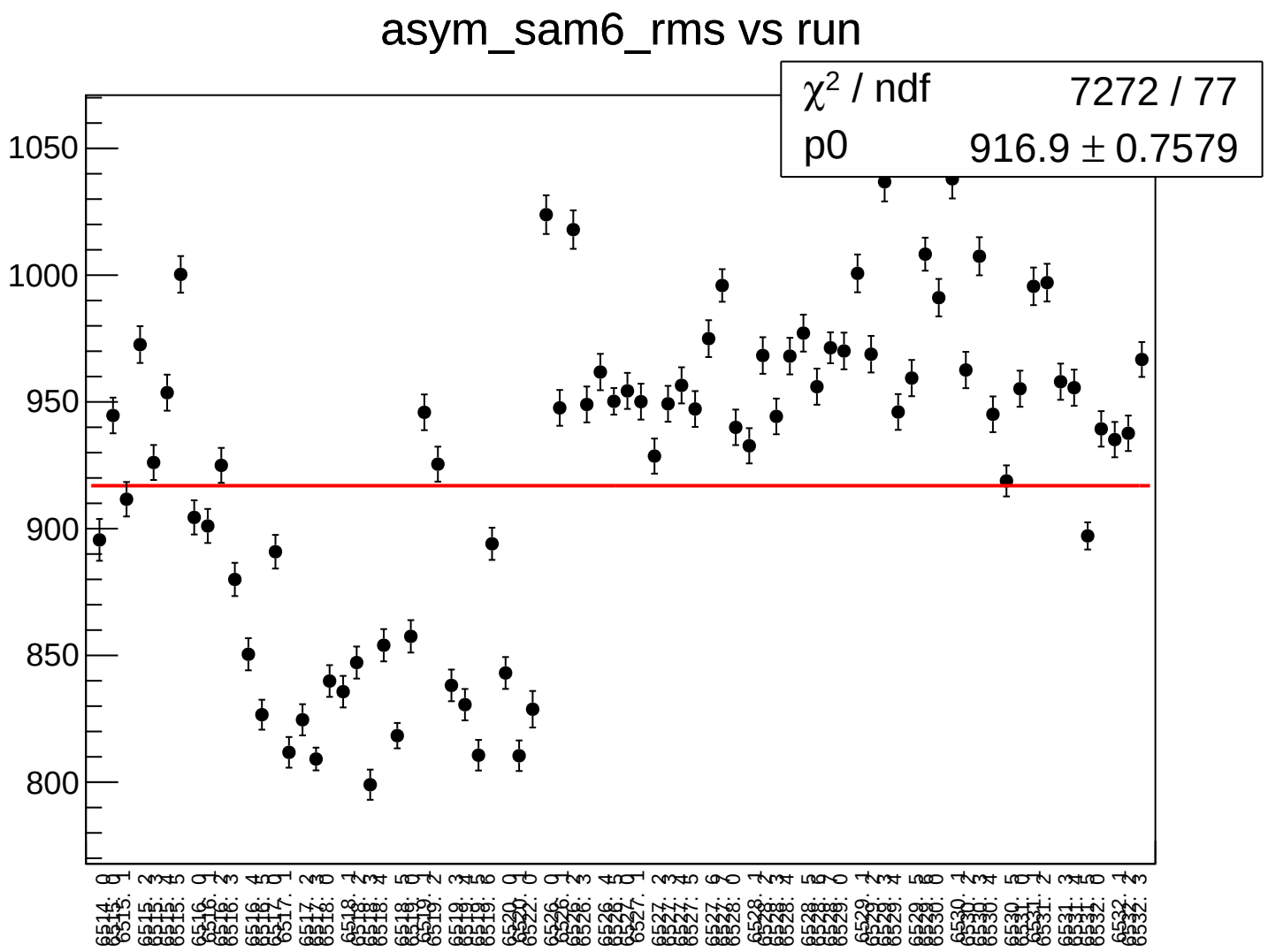


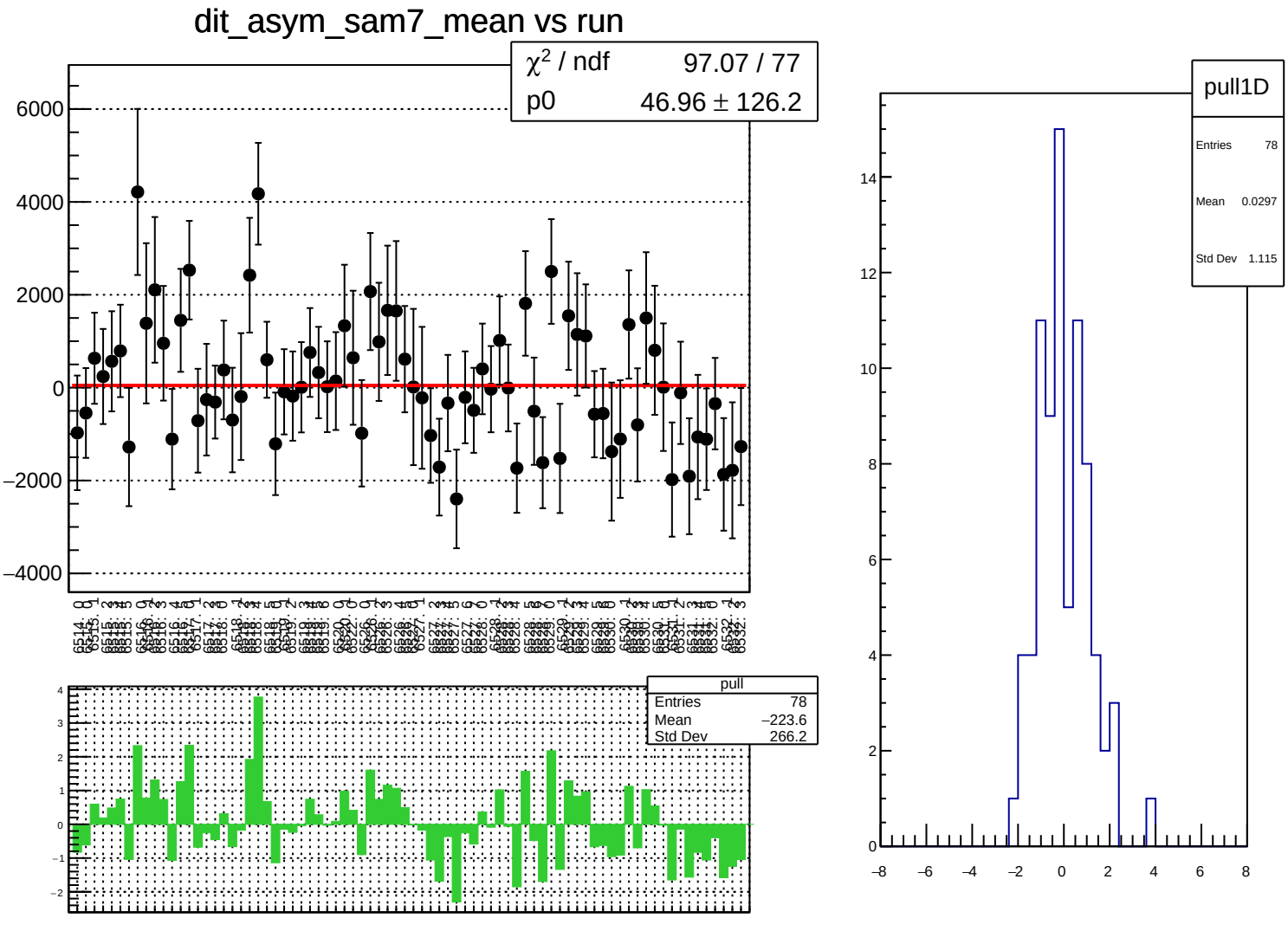

asym_sam6_correction_mean vs run
χ² / ndf 60.38 / 77
p0 −1301 ± 1085
pull
Entries 78
Mean −69.31
Std Dev 99.81
pull1D
Entries 78
Mean 0.02581
Std Dev 0.8794

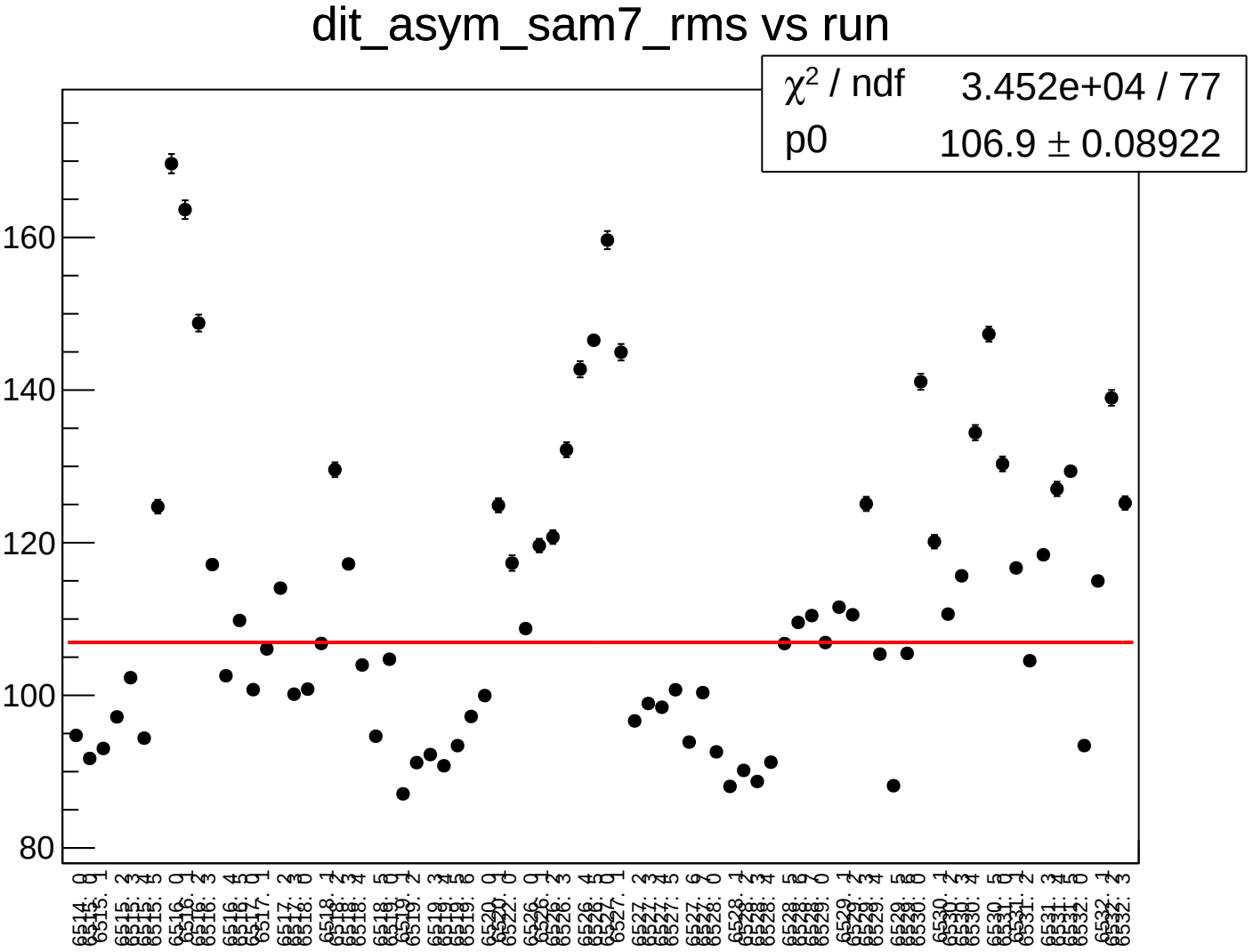
asym_sam6_correction_rms vs run

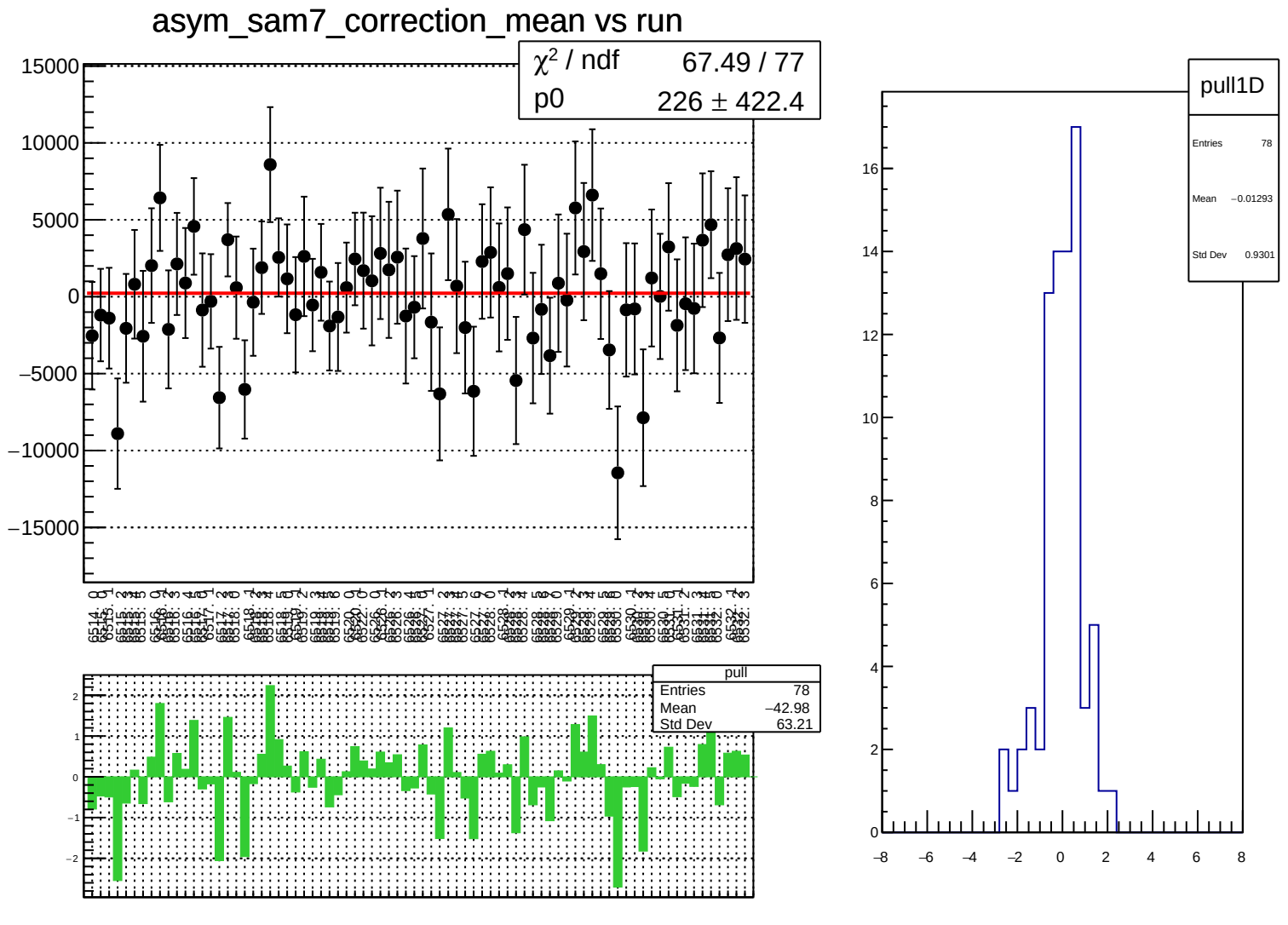



asym_sam6_mean vs run
χ² / ndf 65.88 / 77
p0 1706 ± 1072
pull
Entries 78
Mean −36.06
Std Dev 63.44
pull1D
Entries 78
Mean −0.02884
Std Dev 0.9186

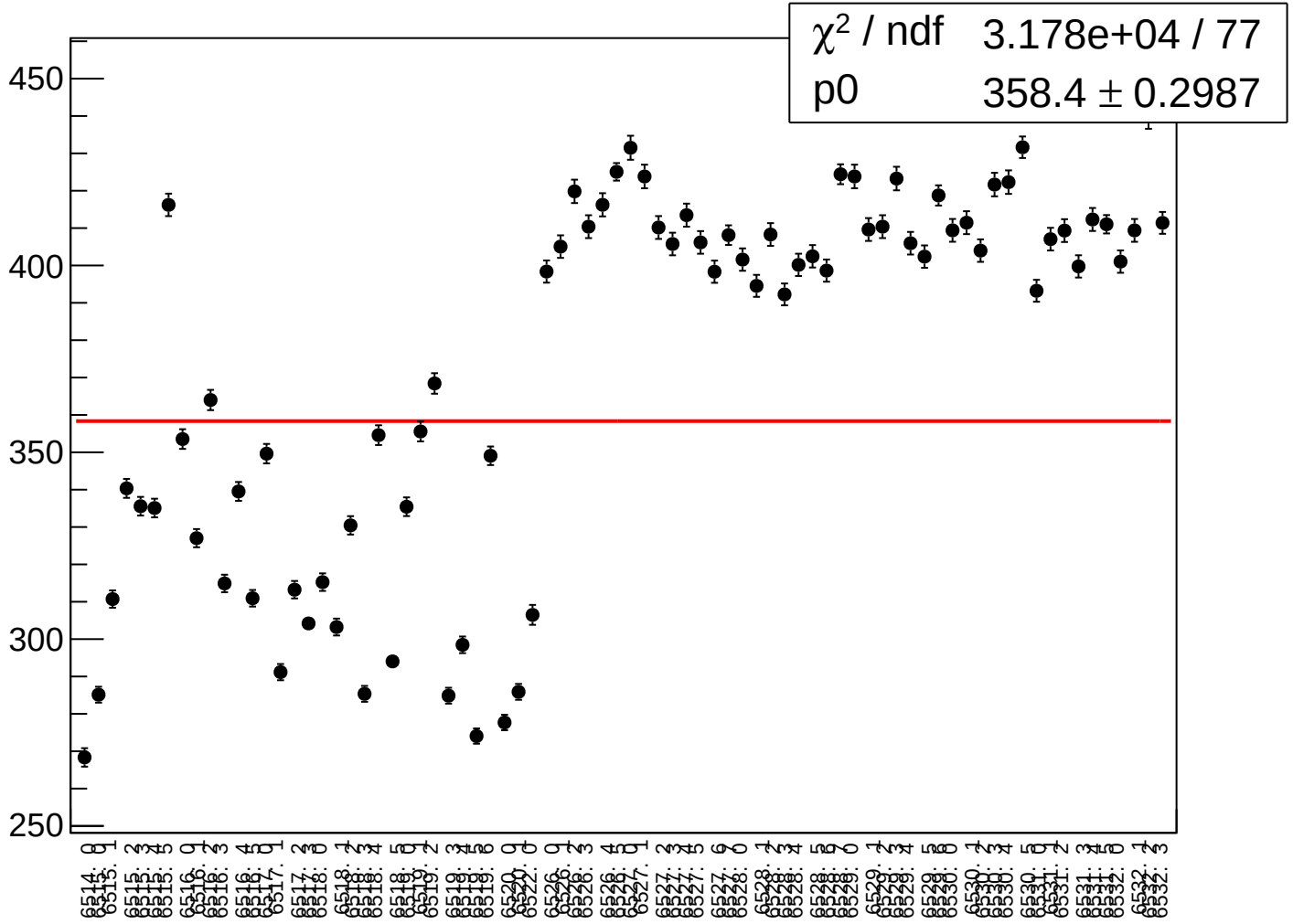

asym_sam6_rms vs run
χ² / ndf 7272 / 77
p0 916.9 ± 0.7579
1050
1000
950
900
850
800

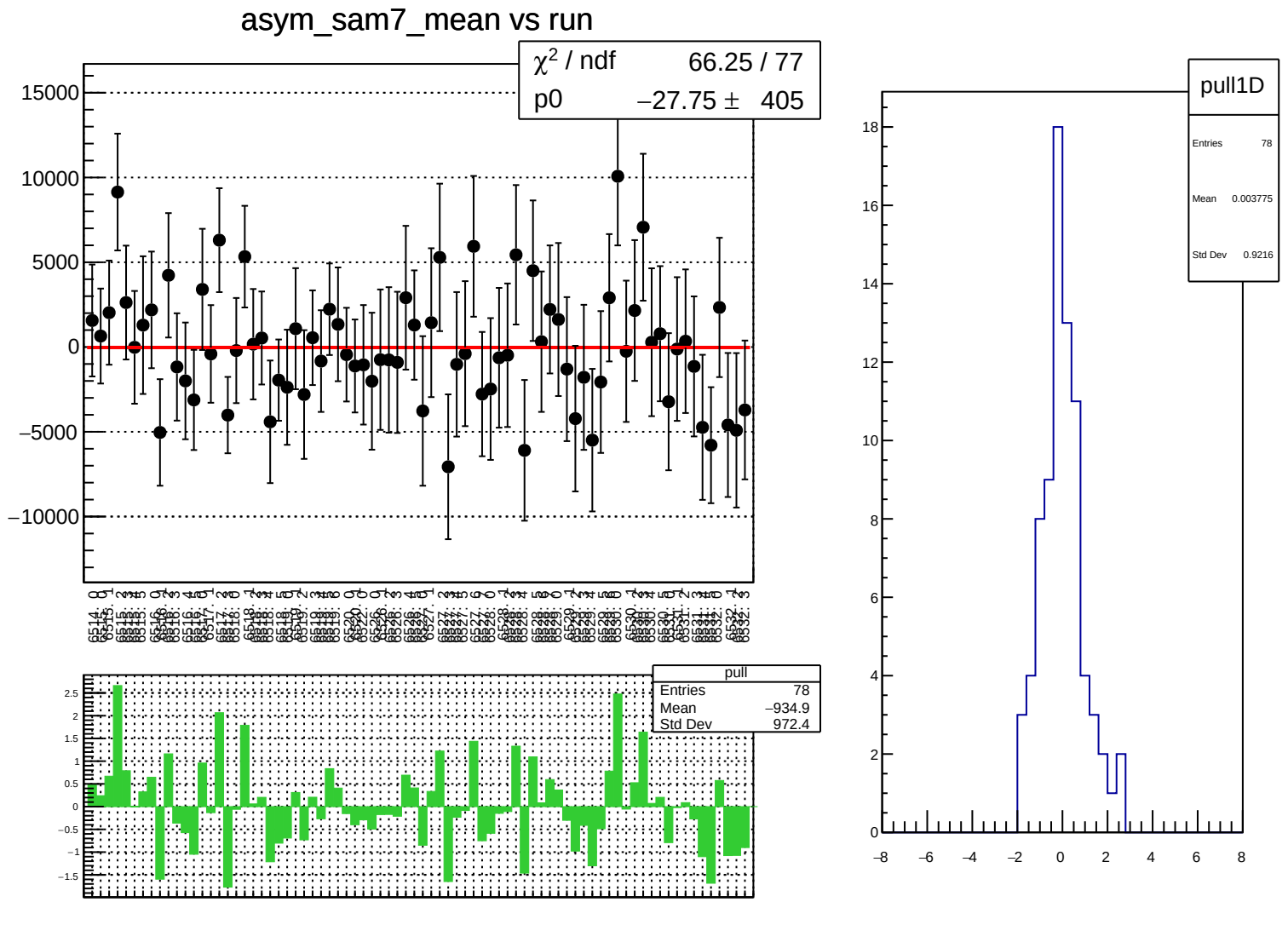

dit_asym_sam7_mean vs run
χ² / ndf 97.07 / 77
p0 46.96 ± 126.2
pull
Entries 78
Mean −223.6
Std Dev 266.2
pull1D
Entries 78
Mean 0.0297
Std Dev 1.115

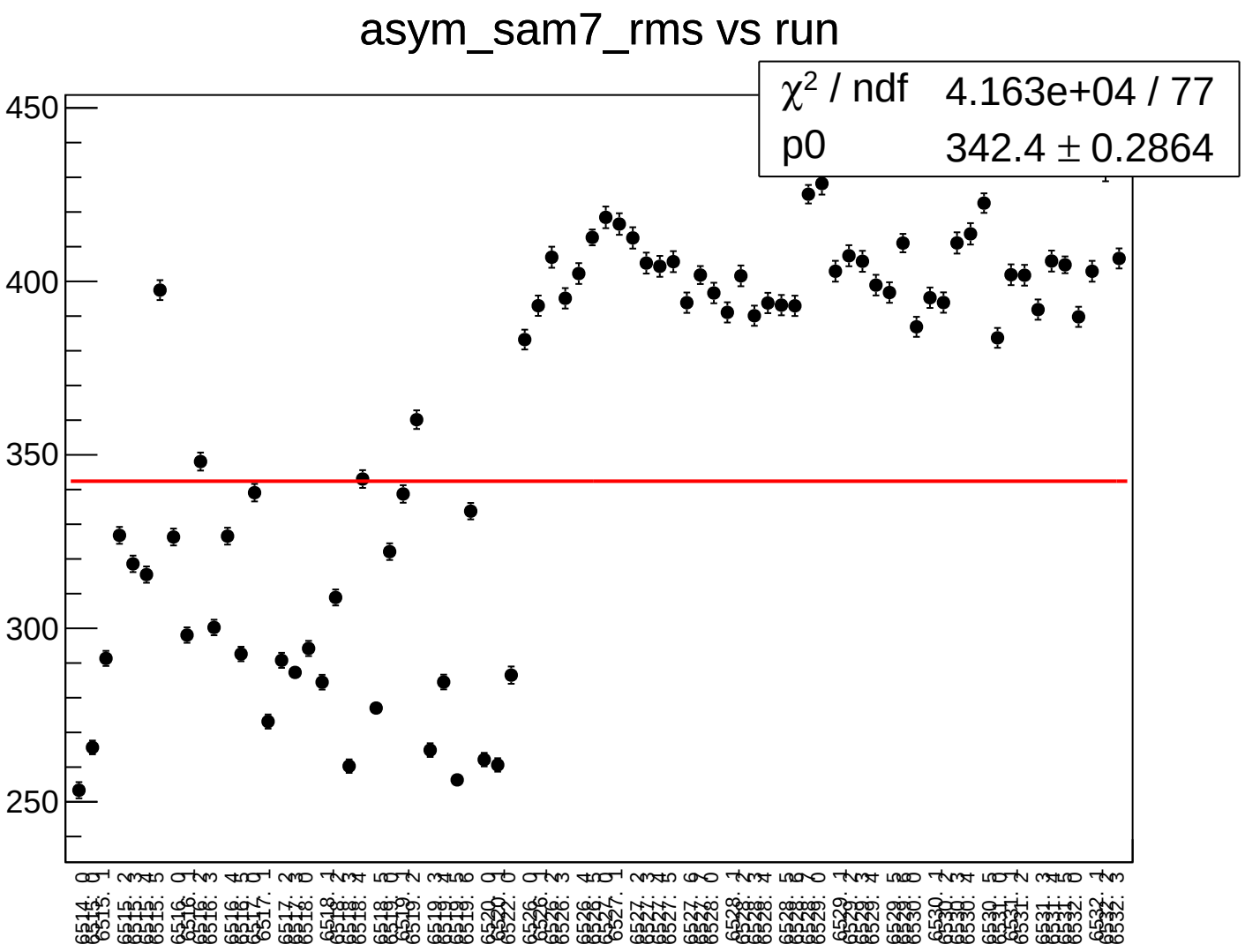

dit_asym_sam7_rms vs run
χ² / ndf 3.452e+04 / 77
p0 106.9 ± 0.08922
160
140
120
100
80

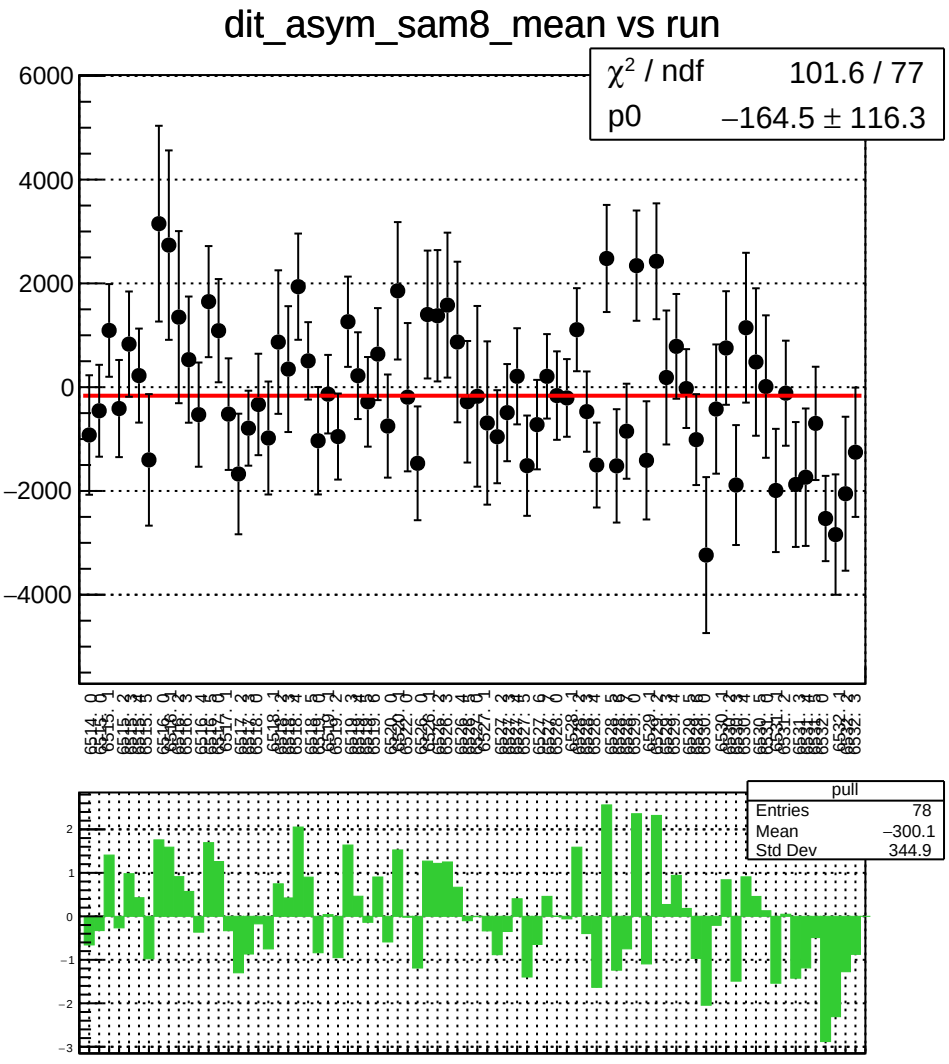

asym_sam7_correction_mean vs run
χ² / ndf 67.49 / 77
p0 226 ± 422.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −42.98
Std Dev 63.21
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.01293
Std Dev 0.9301
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

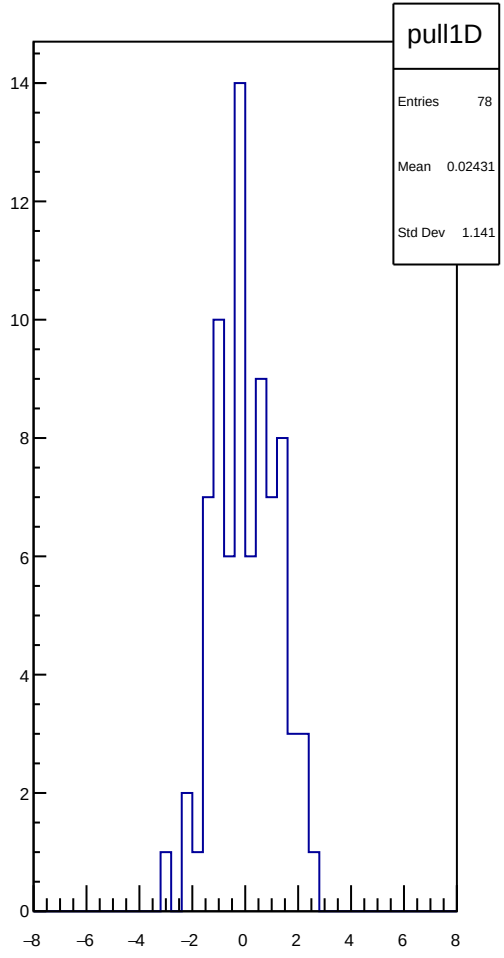
asym_sam7_correction_rms vs run

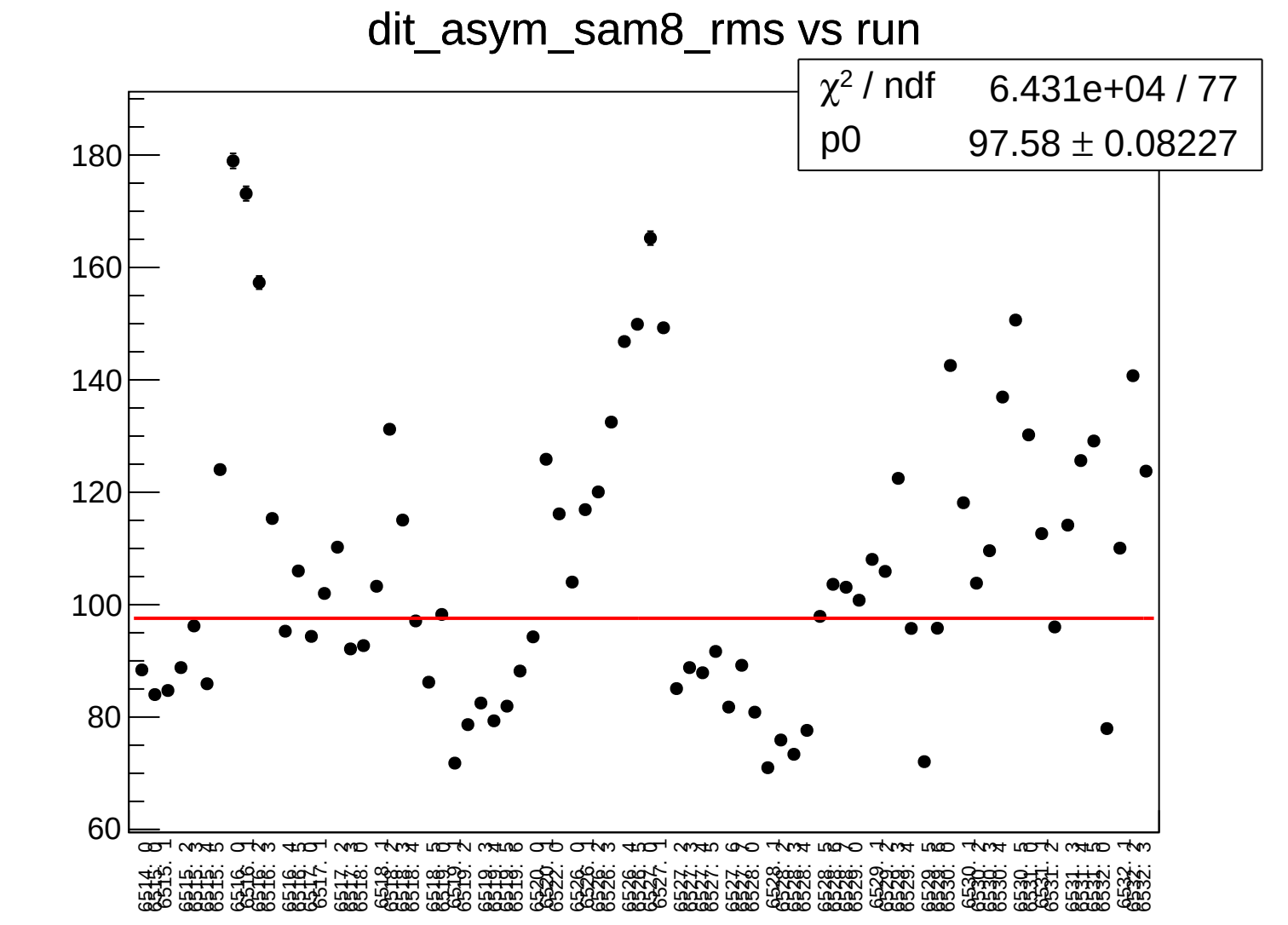


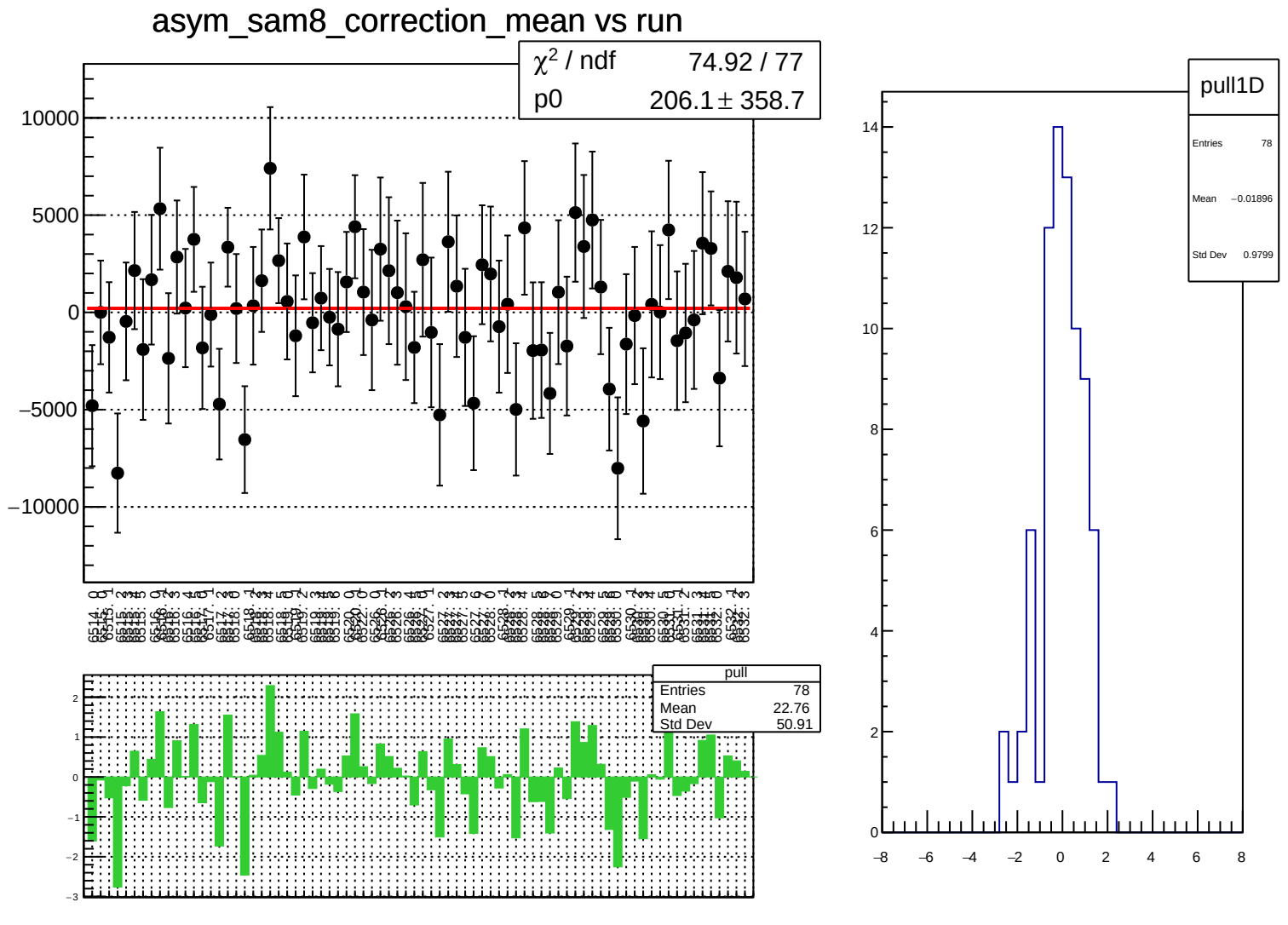

asym_sam7_mean vs run
χ² / ndf 66.25 / 77
p0 −27.75 ± 405
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −934.9
Std Dev 972.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.003775
Std Dev 0.9216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_rms vs run
χ² / ndf 4.163e+04 / 77
p0 342.4 ± 0.2864
450
400
350
300
250

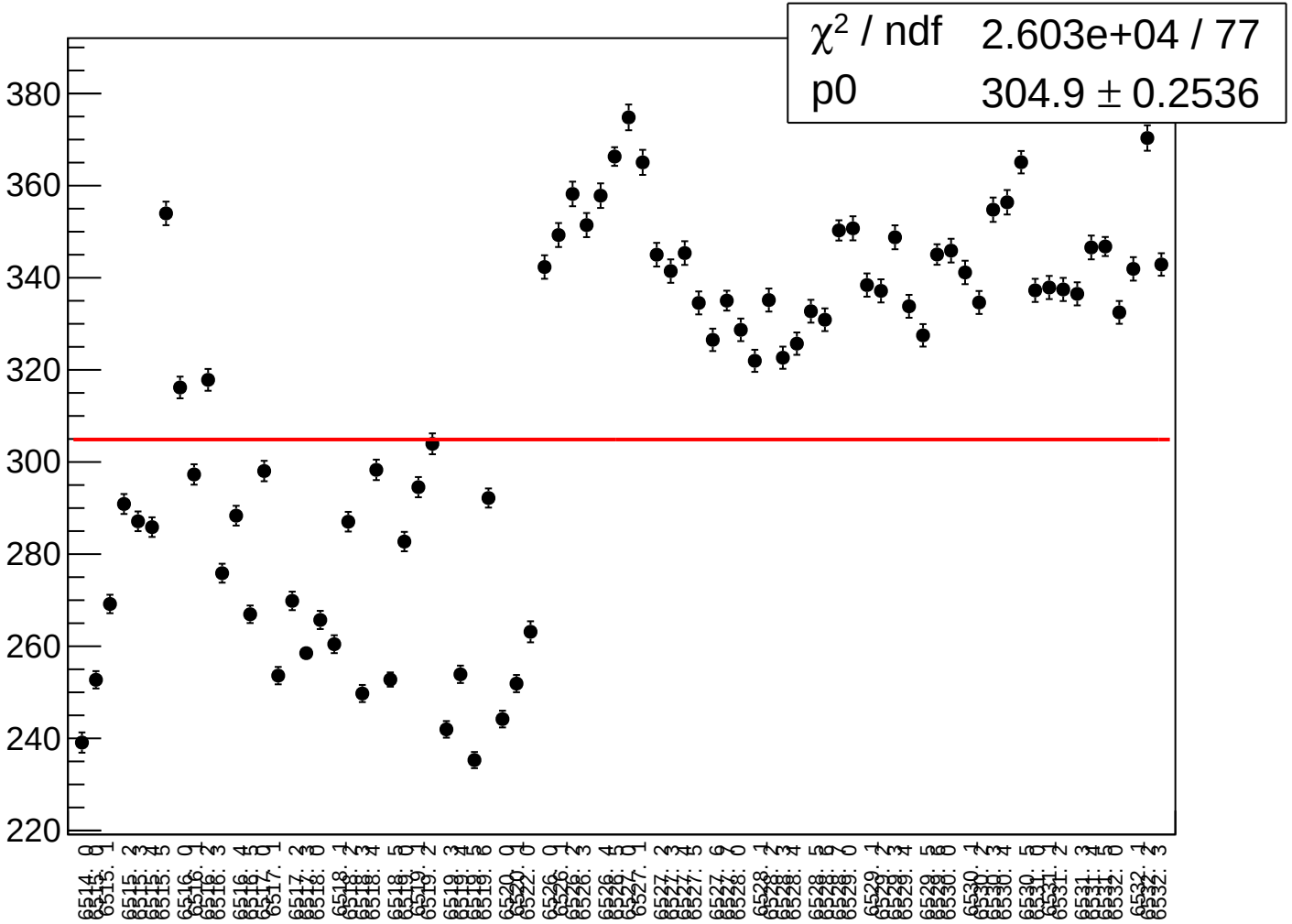

dit_asym_sam8_mean vs run
χ^2 / ndf 101.6 / 77
p0 −164.5 ± 116.3
pull
Entries 78
Mean −300.1
Std Dev 344.9

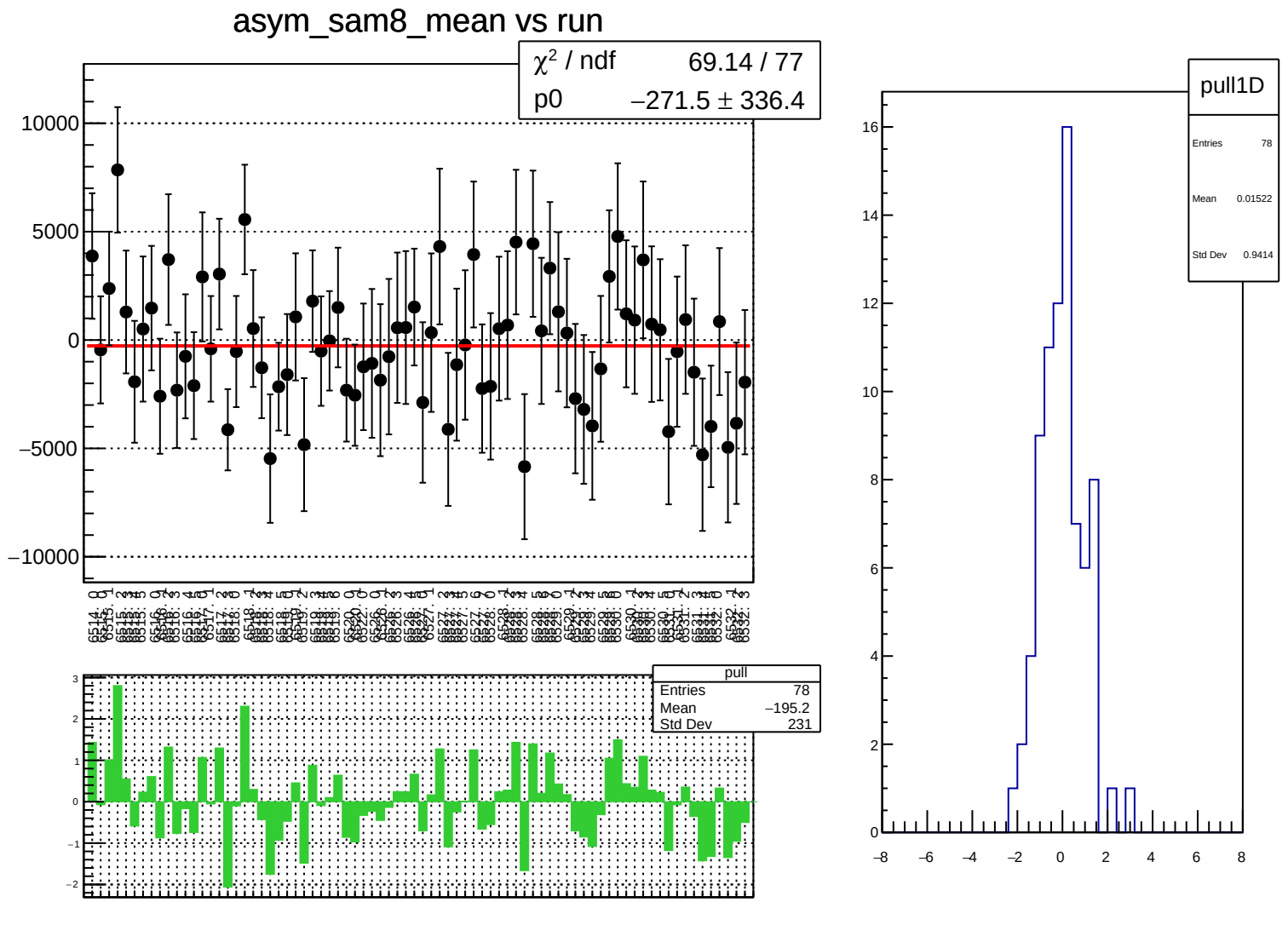

pull1D
Entries 78
Mean 0.02431
Std Dev 1.141

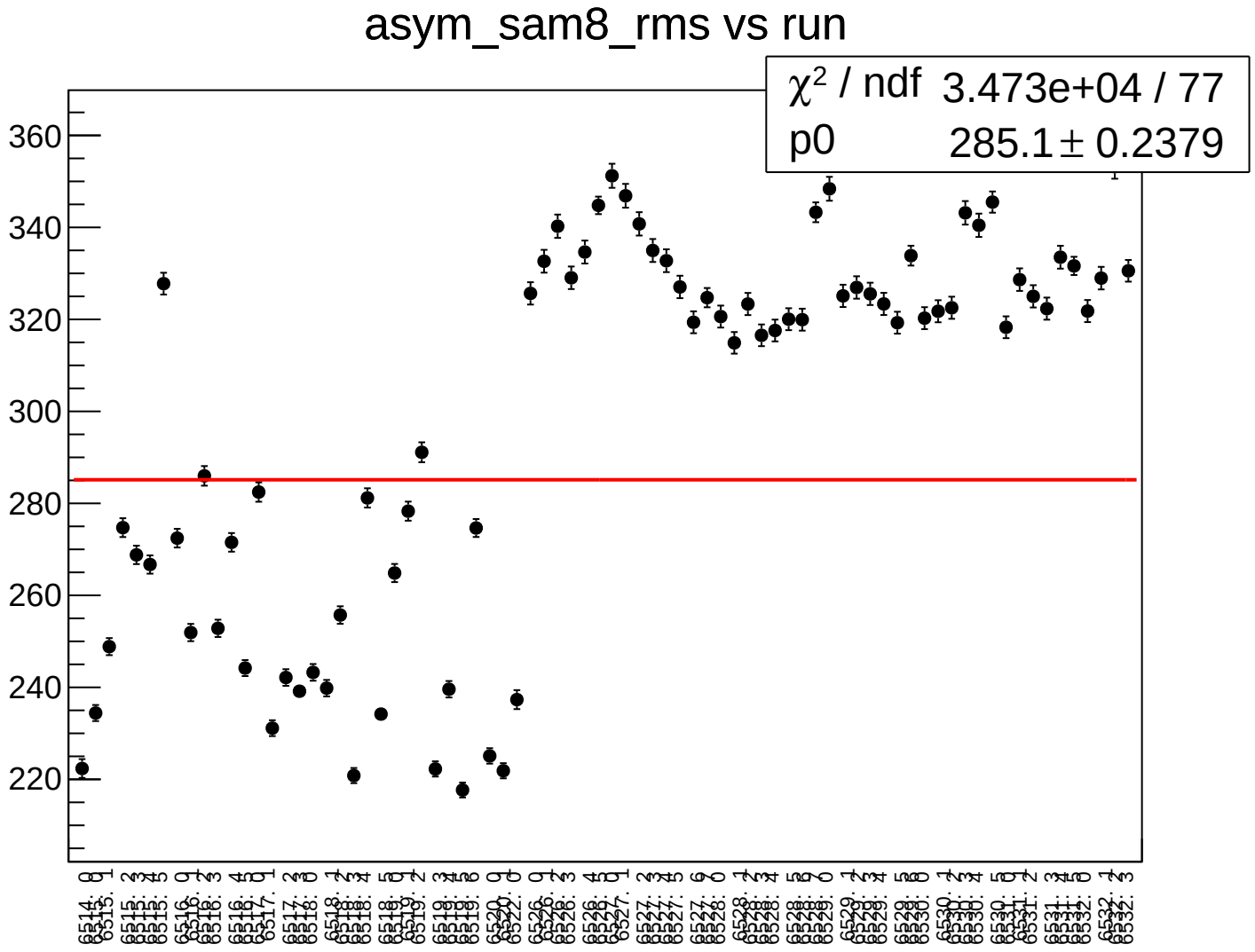

dit_asym_sam8_rms vs run
χ² / ndf 6.431e+04 / 77
p0 97.58 ± 0.08227
180
160
140
120
100
80
60

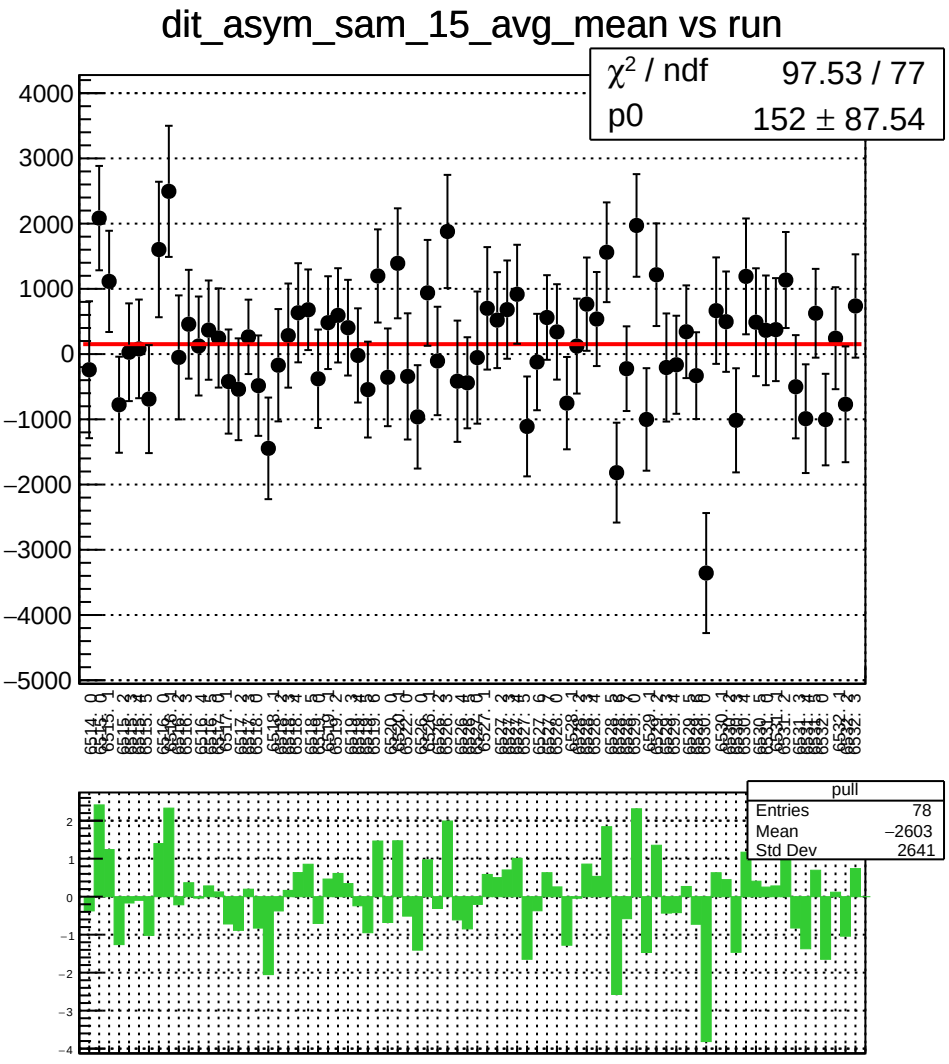

asym_sam8_correction_mean vs run
χ^2 / ndf 74.92 / 77
p0 206.1 ± 358.7
pull
Entries 78
Mean 22.76
Std Dev 50.91
pull1D
Entries 78
Mean −0.01896
Std Dev 0.9799

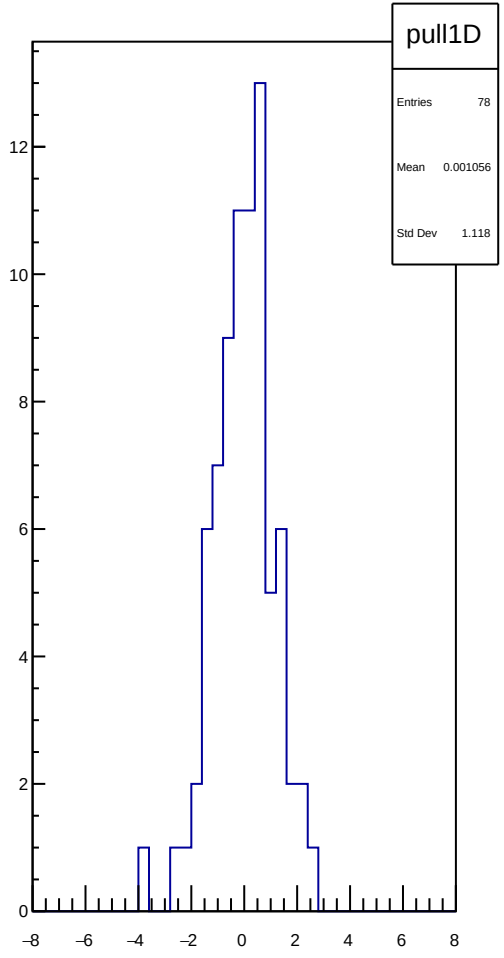
asym_sam8_correction_rms vs run



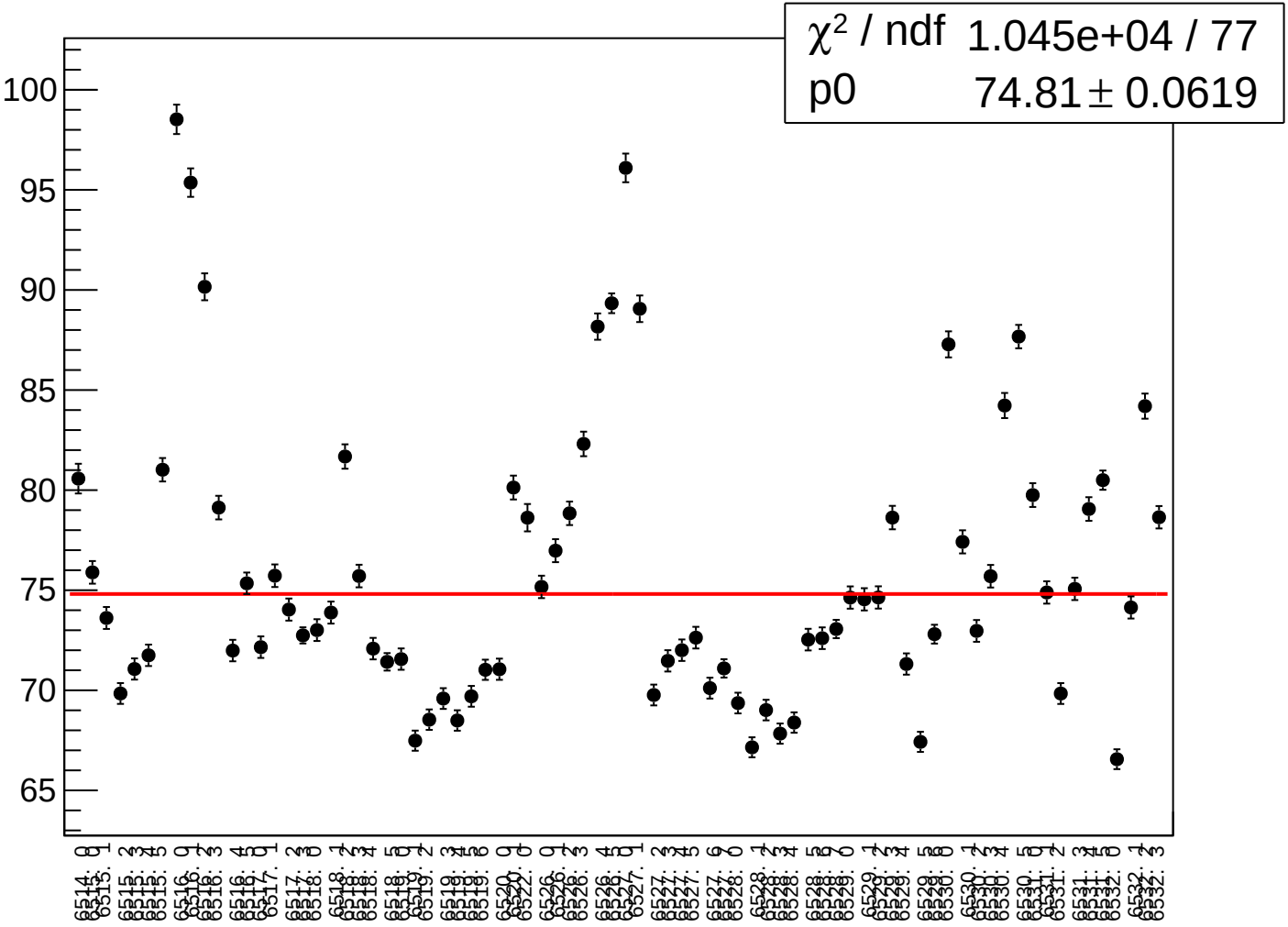

asym_sam8_mean vs run
χ² / ndf 69.14 / 77
p0 −271.5 ± 336.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −195.2
Std Dev 231
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01522
Std Dev 0.9414
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

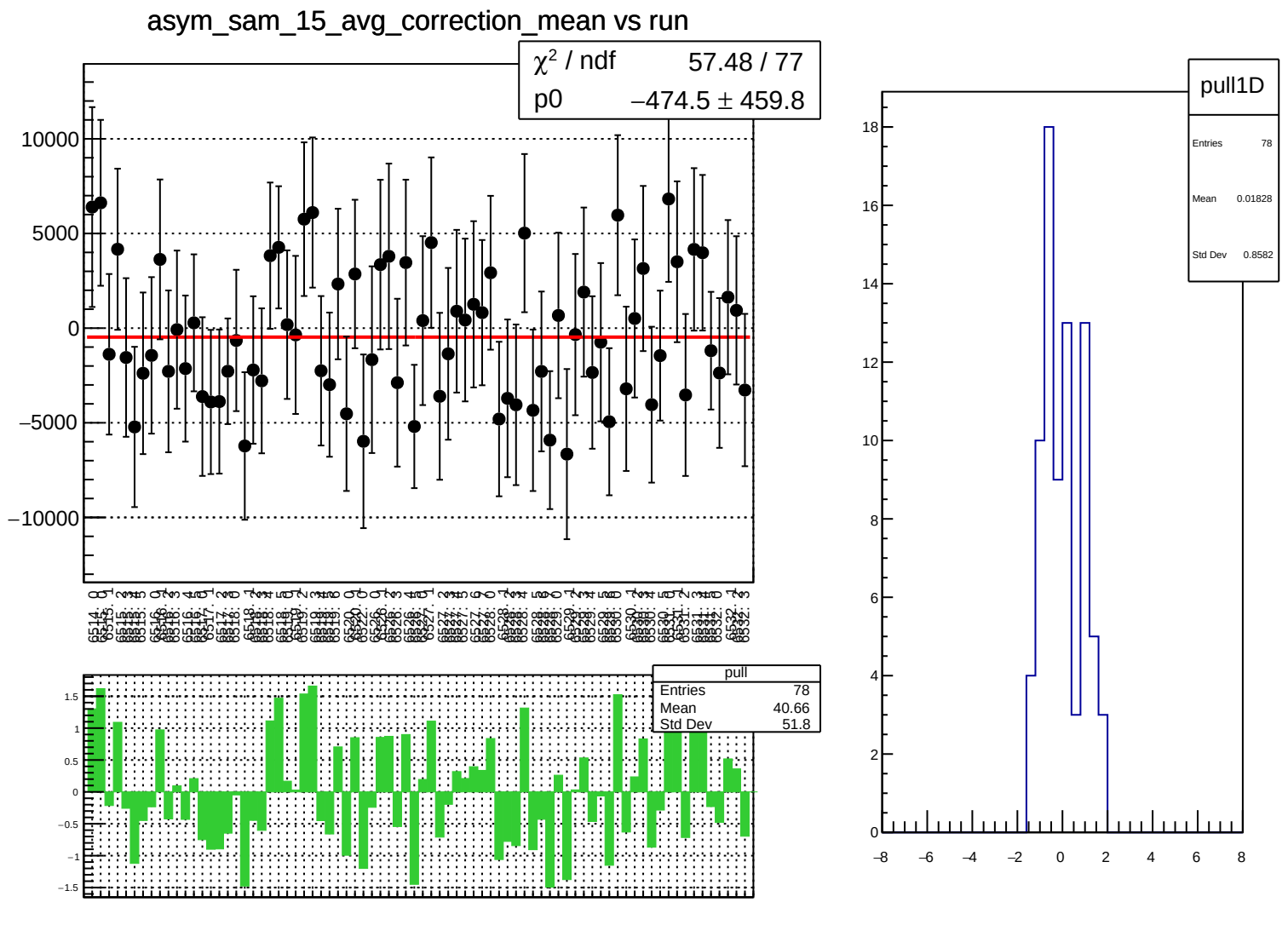

asym_sam8_rms vs run
χ² / ndf 3.473e+04 / 77
p0 285.1 ± 0.2379
360
340
320
300
280
260
240
220

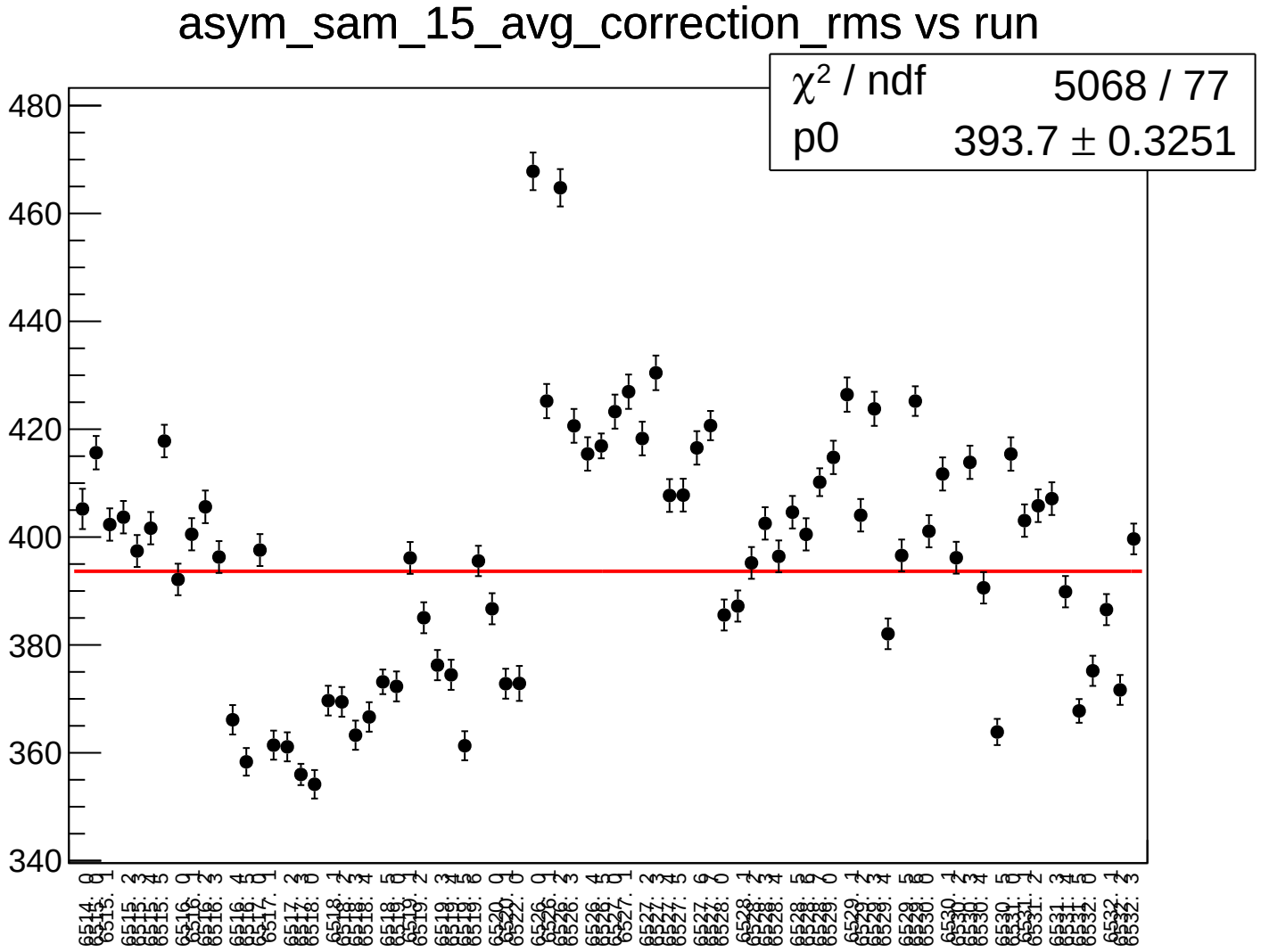

dit_asym_sam_15_avg_mean vs run
χ² / ndf 97.53 / 77
p0 152 ± 87.54
pull
Entries 78
Mean −2603
Std Dev 2641

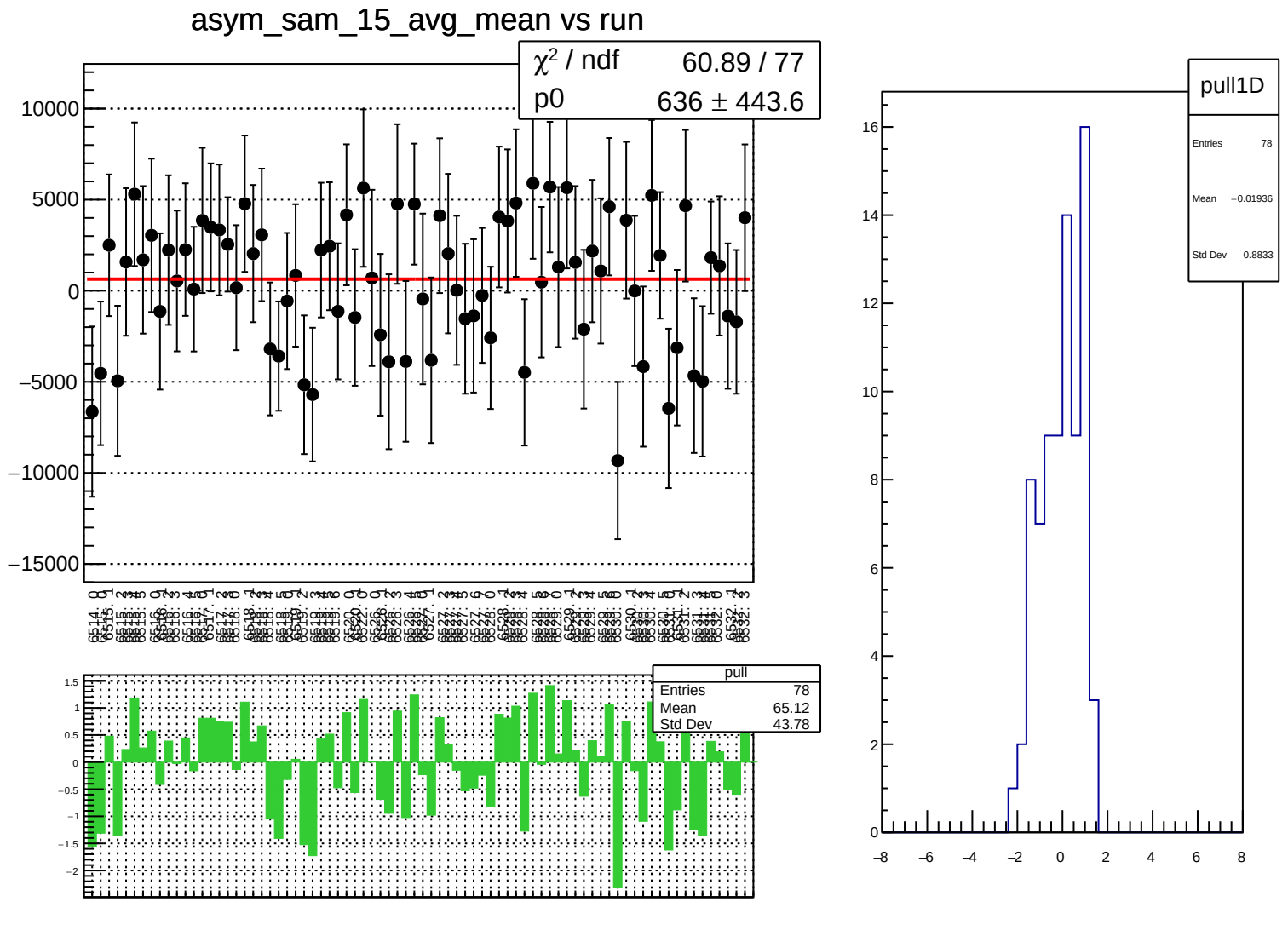

pull1D
Entries 78
Mean 0.001056
Std Dev 1.118

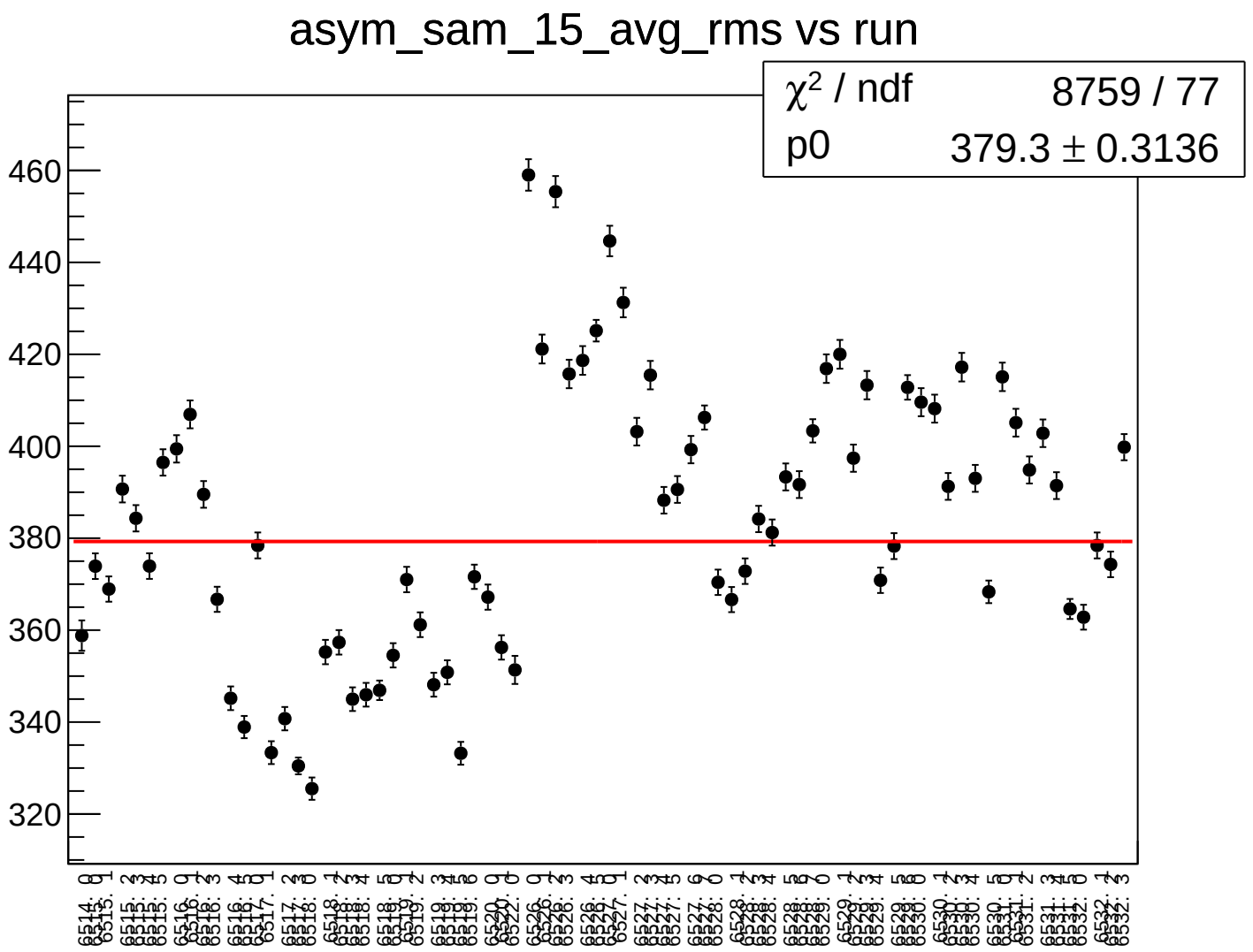
dit_asym_sam_15_avg_rms vs run

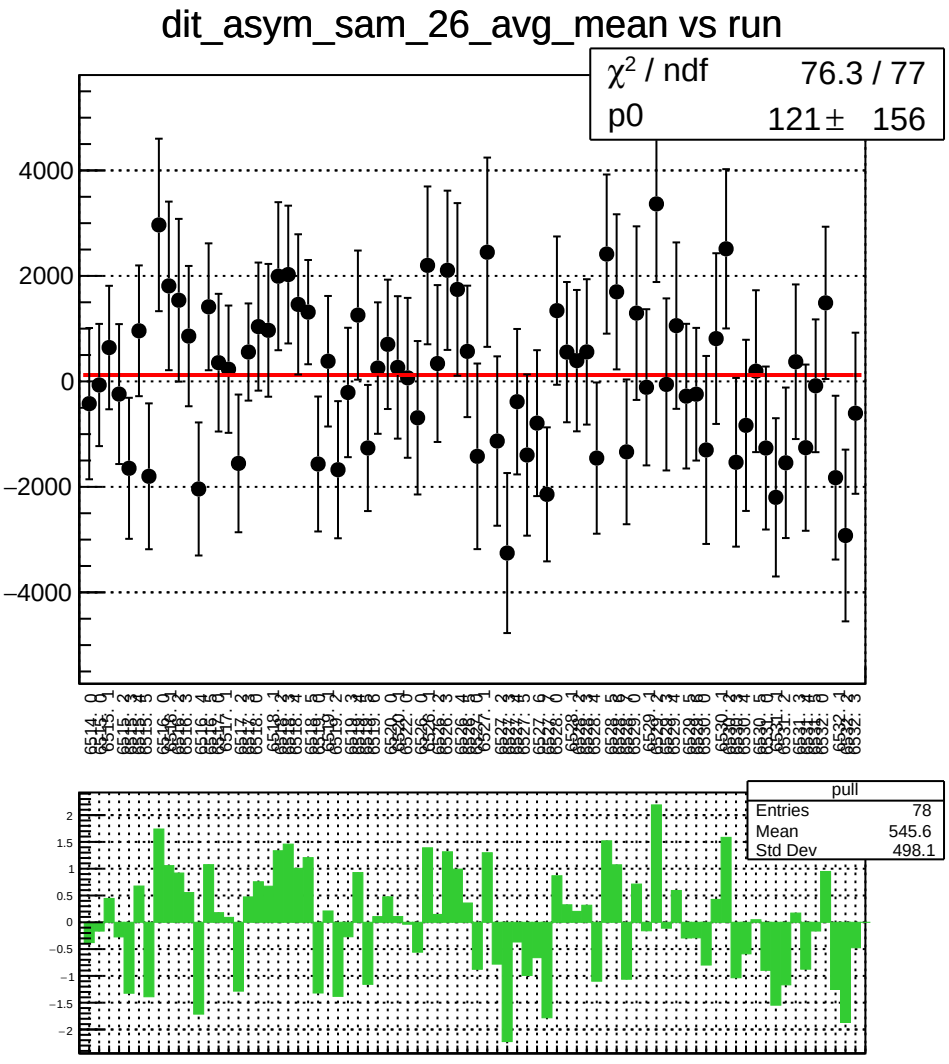


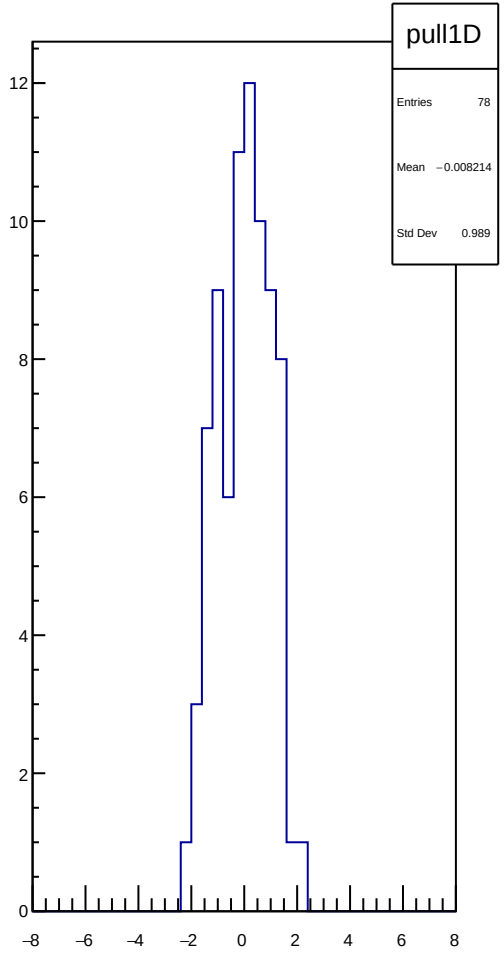

asym_sam_15_avg_correction_mean vs run
χ² / ndf 57.48 / 77
p0 −474.5 ± 459.8
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 40.66
Std Dev 51.8
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.01828
Std Dev 0.8582
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_correction_rms vs run
χ² / ndf 5068 / 77
p0 393.7 ± 0.3251
480
460
440
420
400
380
360
340

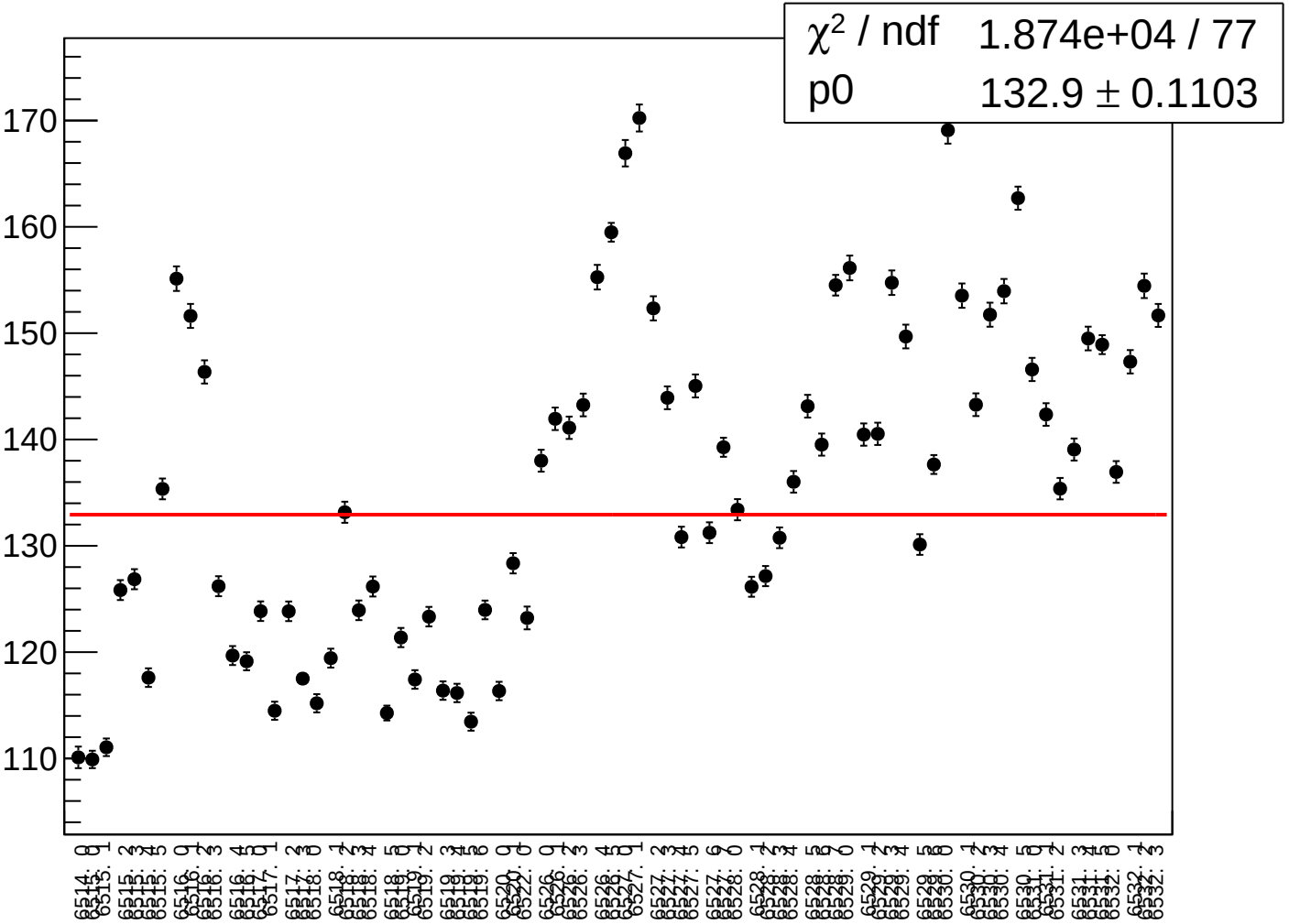

asym_sam_15_avg_mean vs run
χ² / ndf 60.89 / 77
p0 636 ± 443.6
pull
Entries 78
Mean 65.12
Std Dev 43.78
pull1D
Entries 78
Mean −0.01936
Std Dev 0.8833

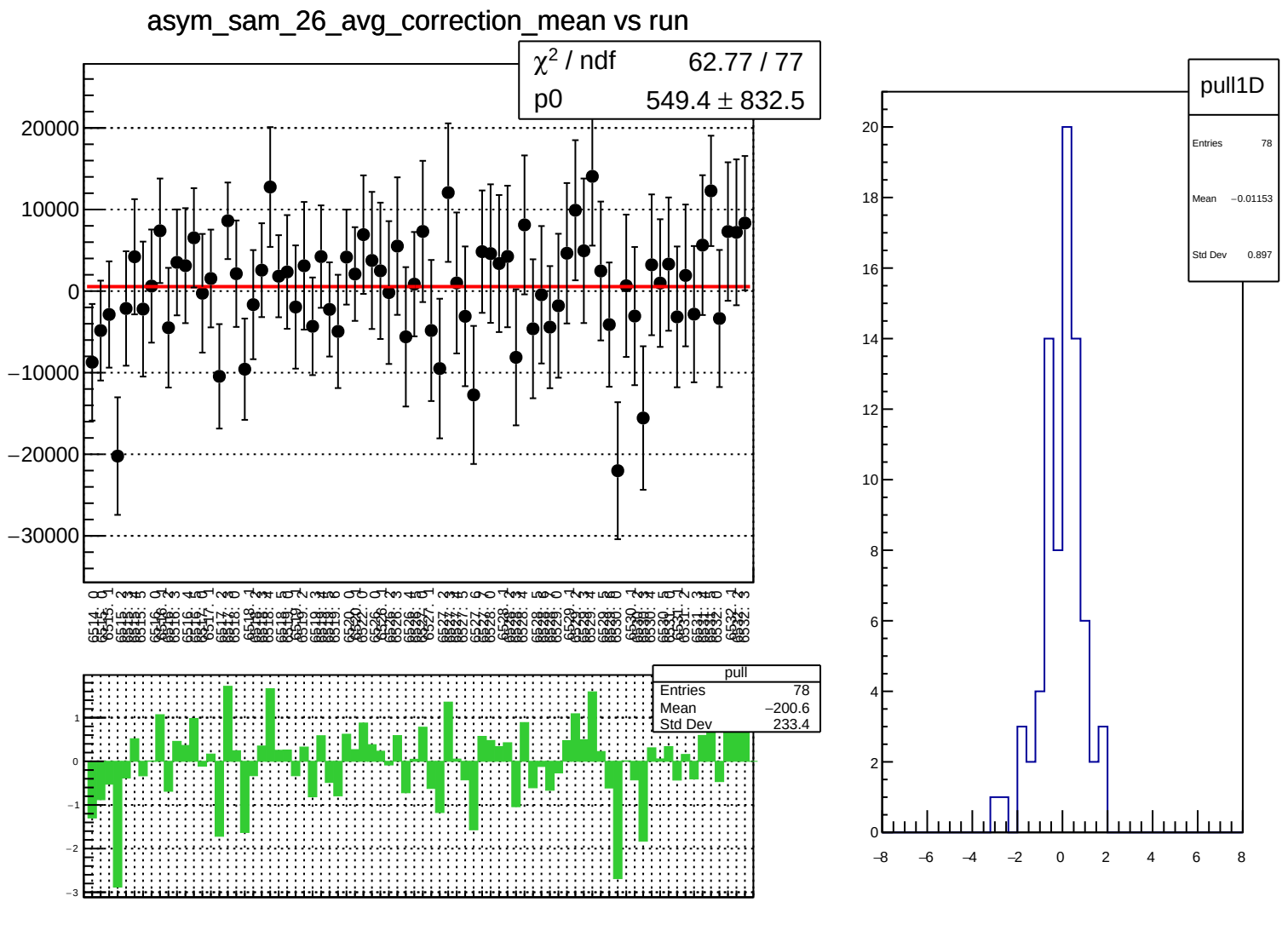

asym_sam_15_avg_rms vs run
χ^2 / ndf 8759 / 77
p0 379.3 ± 0.3136
460
440
420
400
380
360
340
320

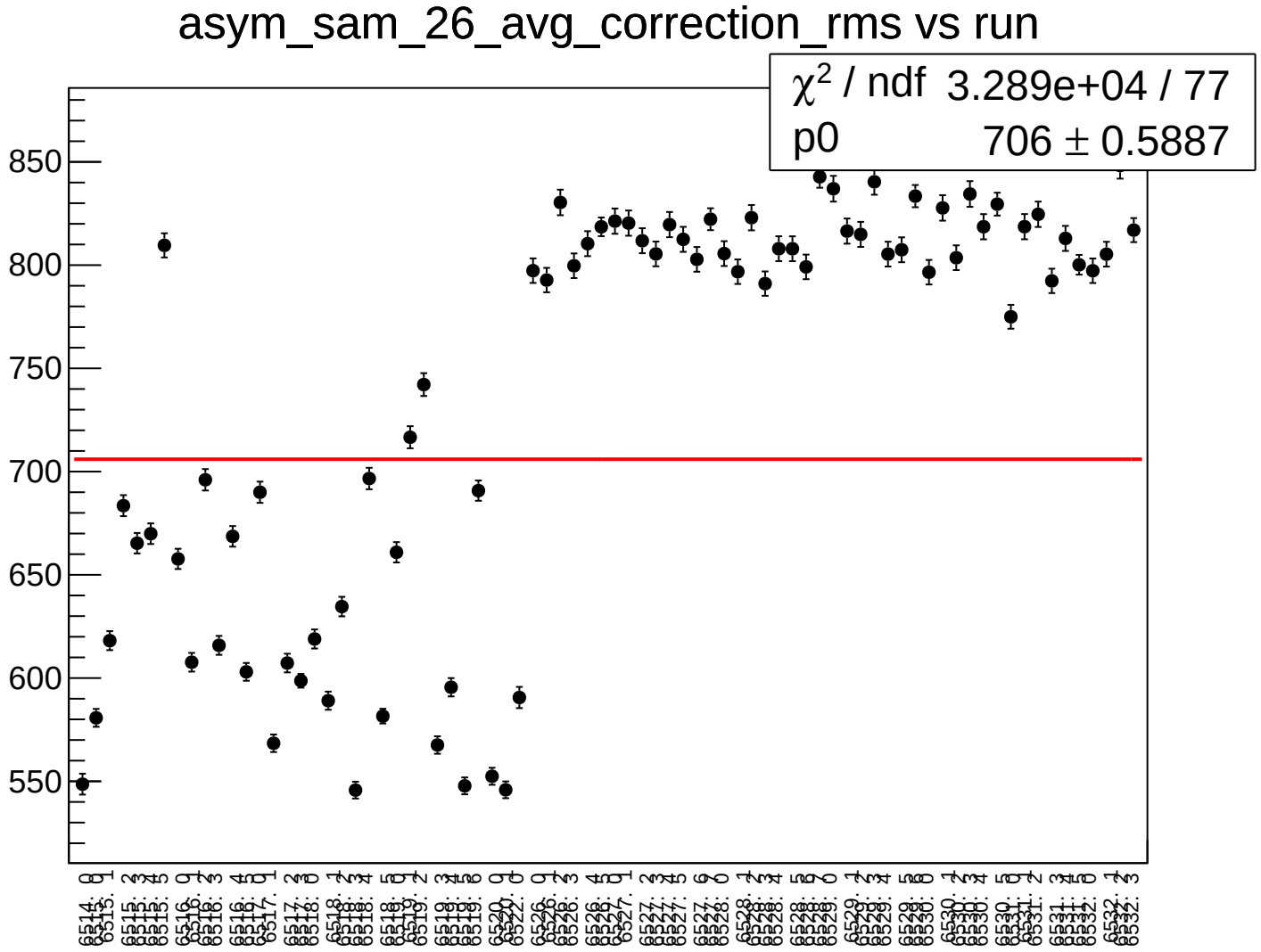

dit_asym_sam_26_avg_mean vs run
χ² / ndf 76.3 / 77
p0 121 ± 156
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 545.6
Std Dev 498.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

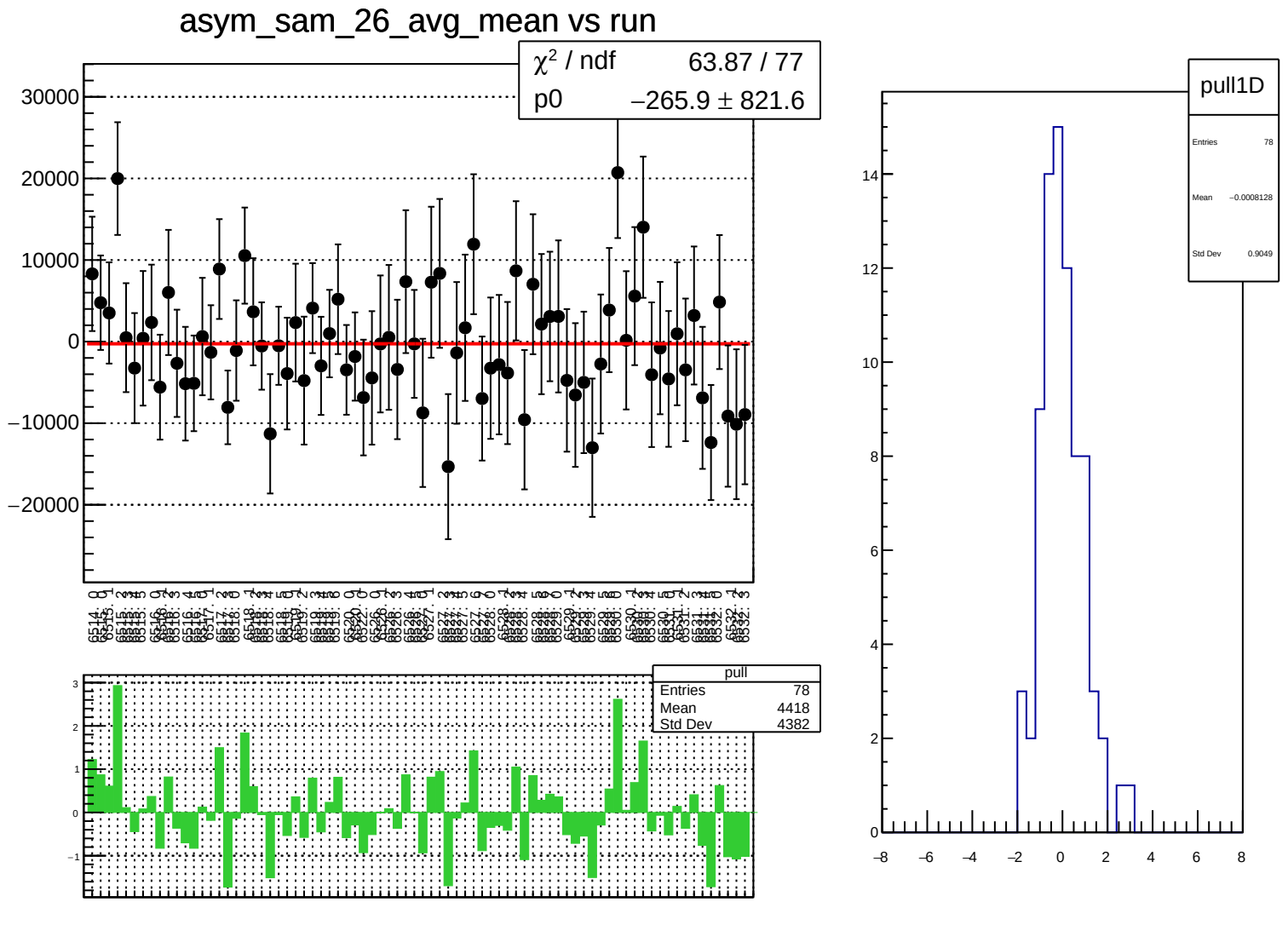

pull1D
Entries 78
Mean −0.008214
Std Dev 0.989
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

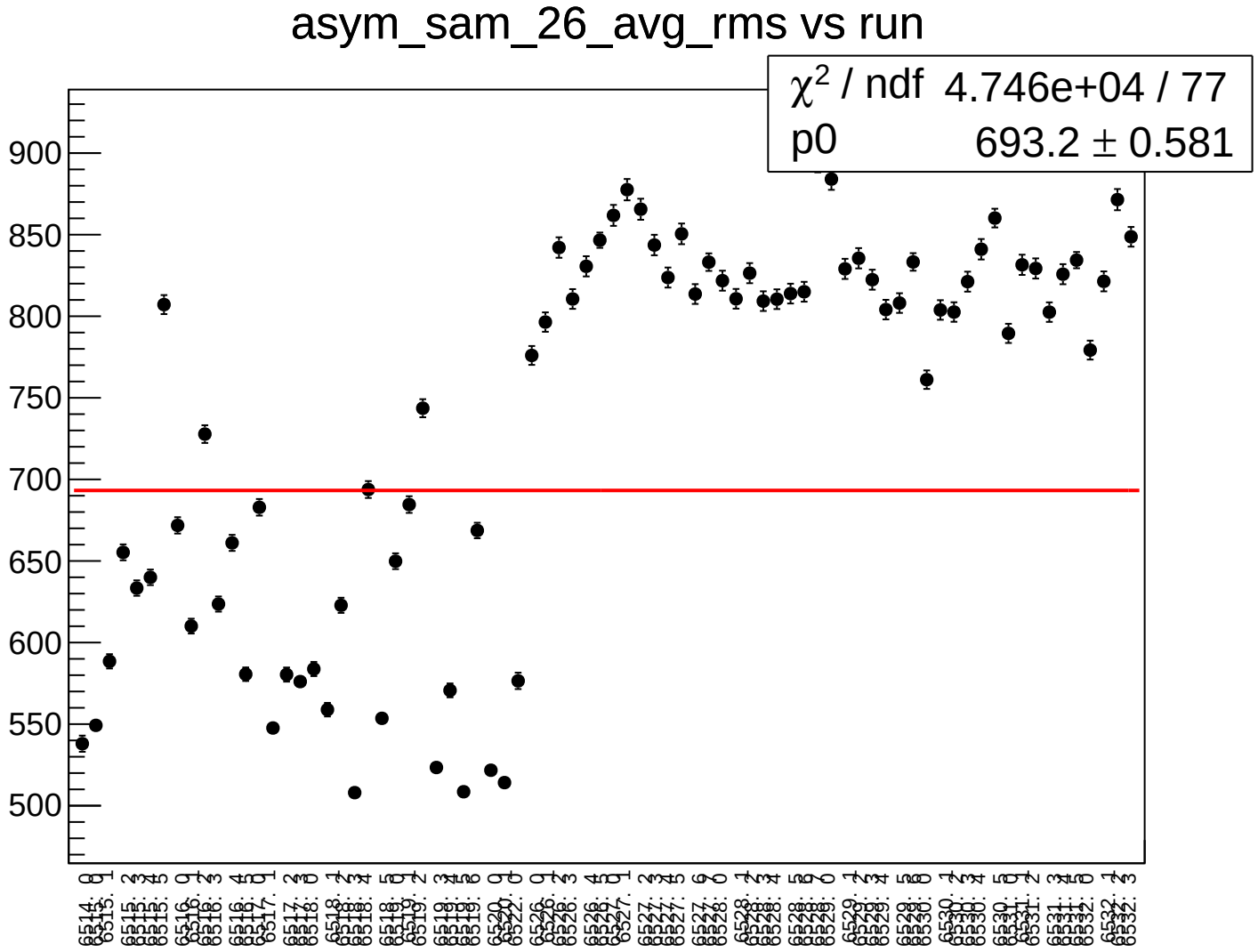
dit_asym_sam_26_avg_rms vs run

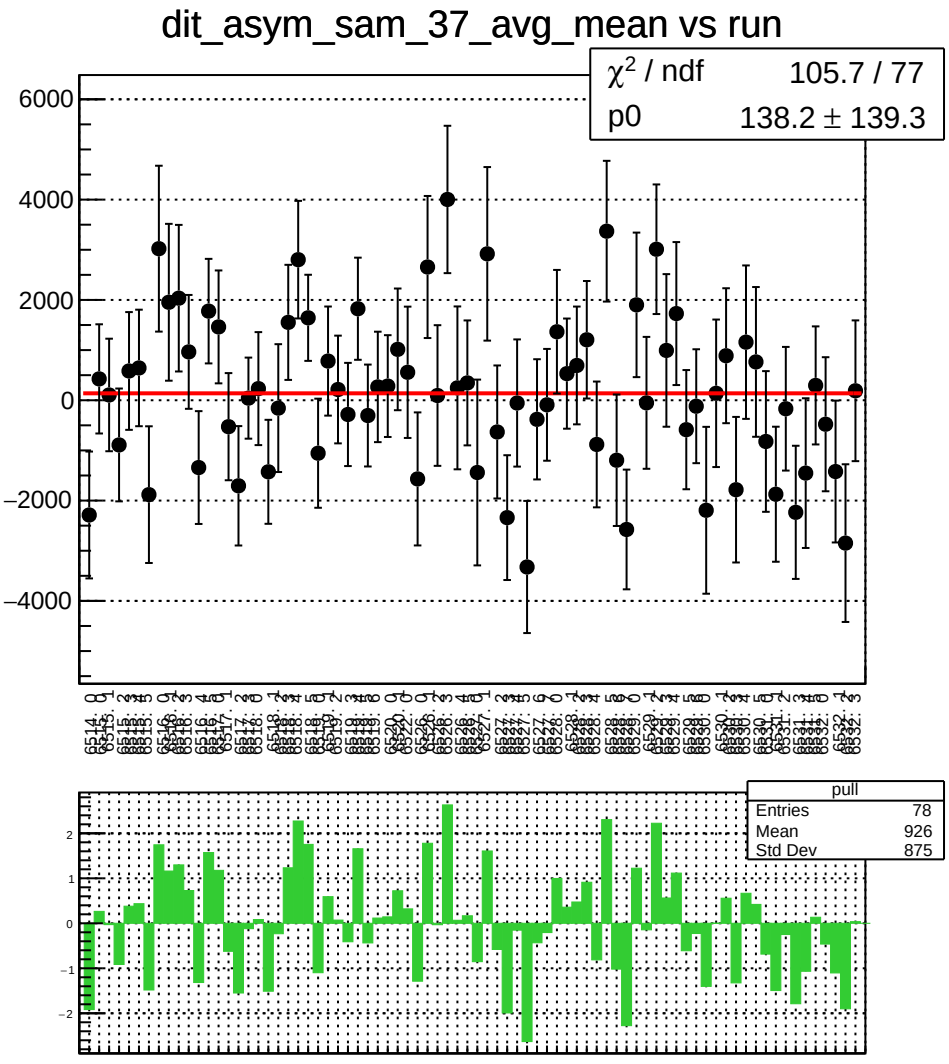


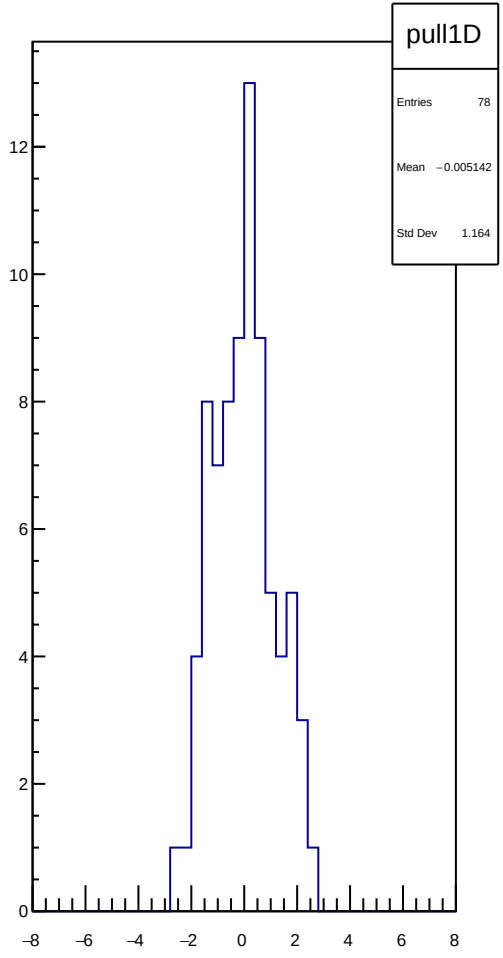

asym_sam_26_avg_correction_mean vs run
χ² / ndf 62.77 / 77
p0 549.4 ± 832.5
pull
Entries 78
Mean −200.6
Std Dev 233.4
pull1D
Entries 78
Mean −0.01153
Std Dev 0.897


asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 3.289e+04 / 77
p0 706 ± 0.5887
850
800
750
700
650
600
550

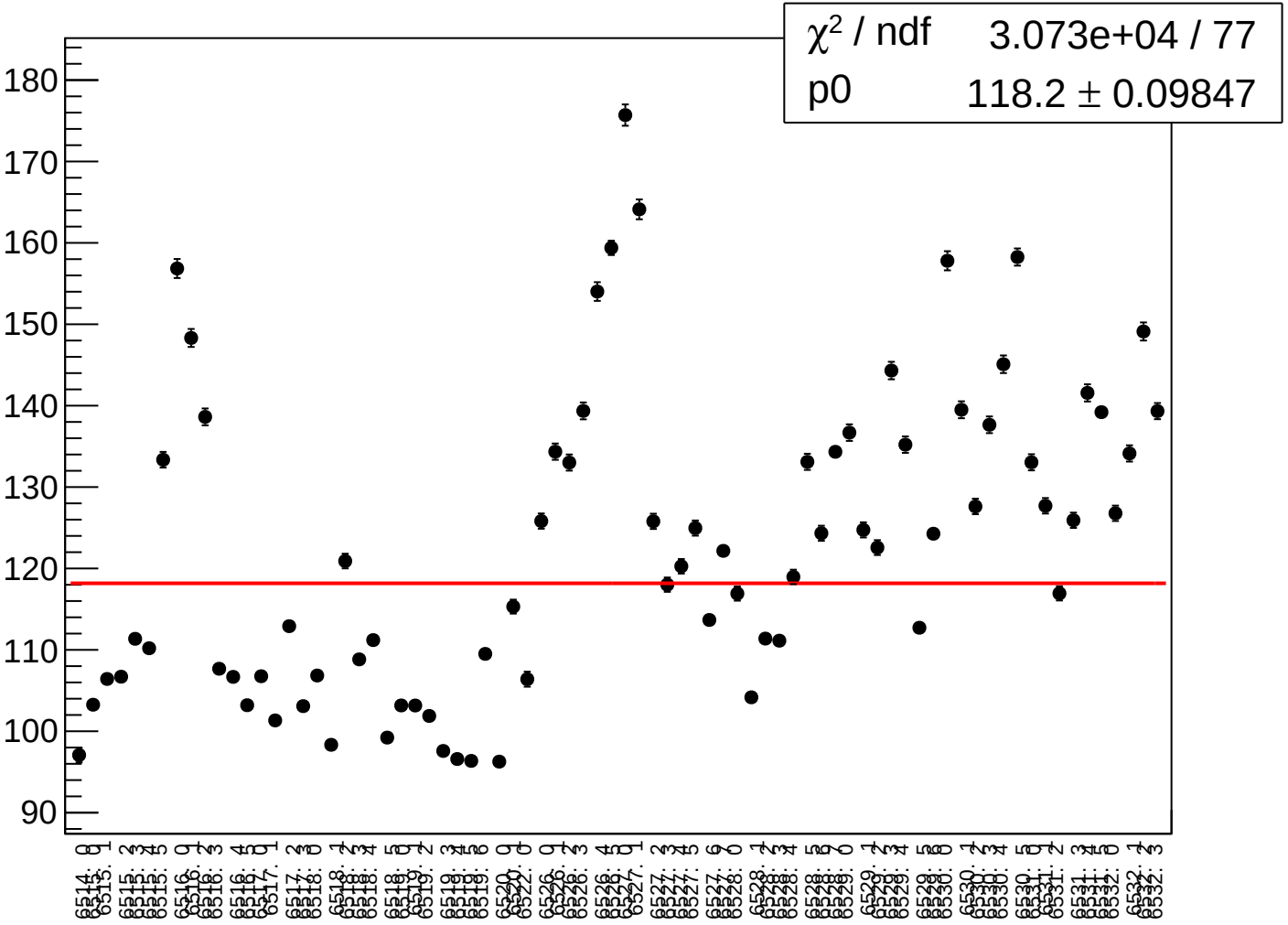

asym_sam_26_avg_mean vs run
χ² / ndf 63.87 / 77
p0 −265.9 ± 821.6
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 4418
Std Dev 4382
3
2
1
0
−1
pull1D
Entries 78
Mean −0.0008128
Std Dev 0.9049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

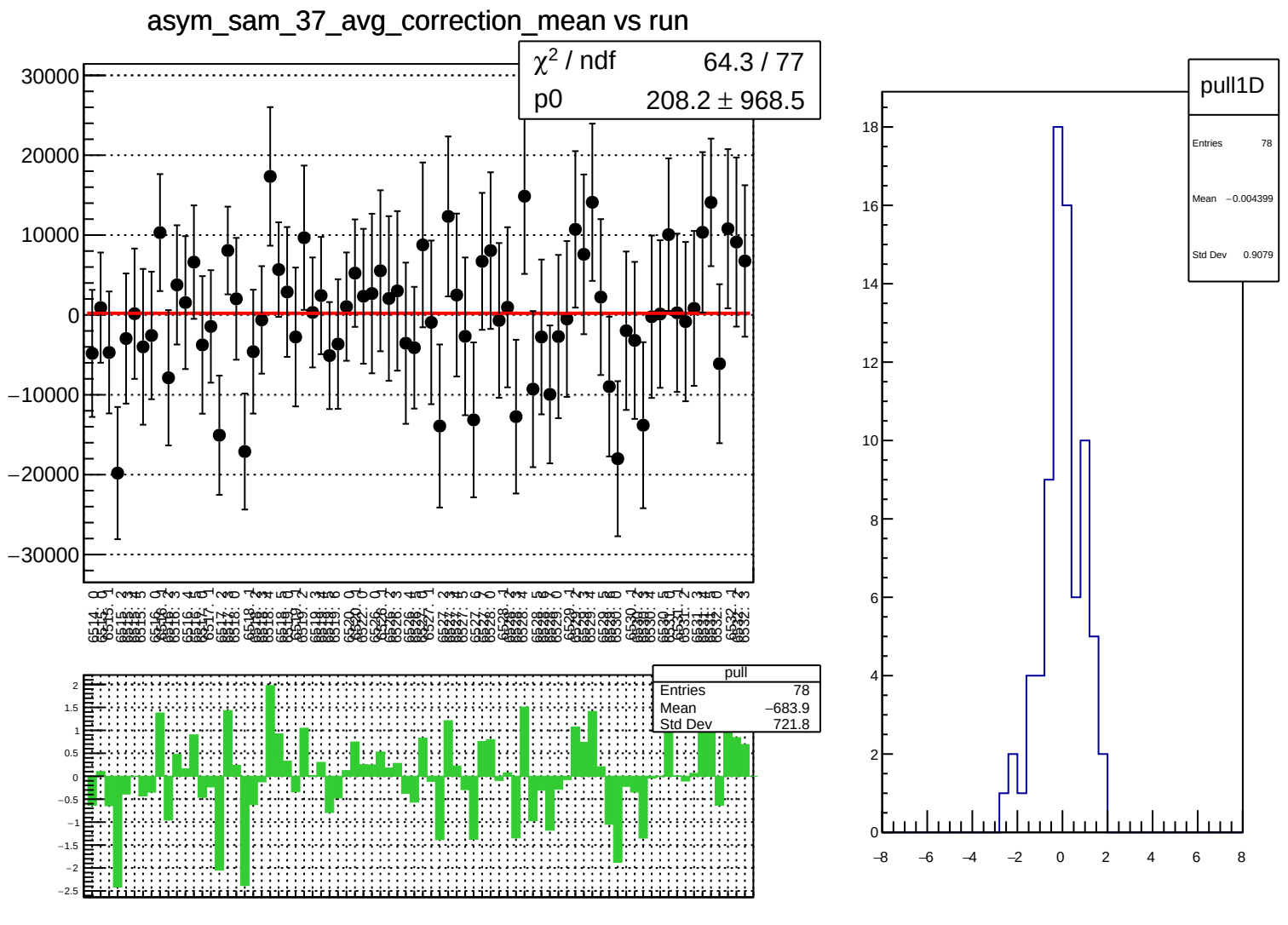

asym_sam_26_avg_rms vs run
χ^2 / ndf 4.746e+04 / 77
p0 693.2 ± 0.581
900
850
800
750
700
650
600
550
500

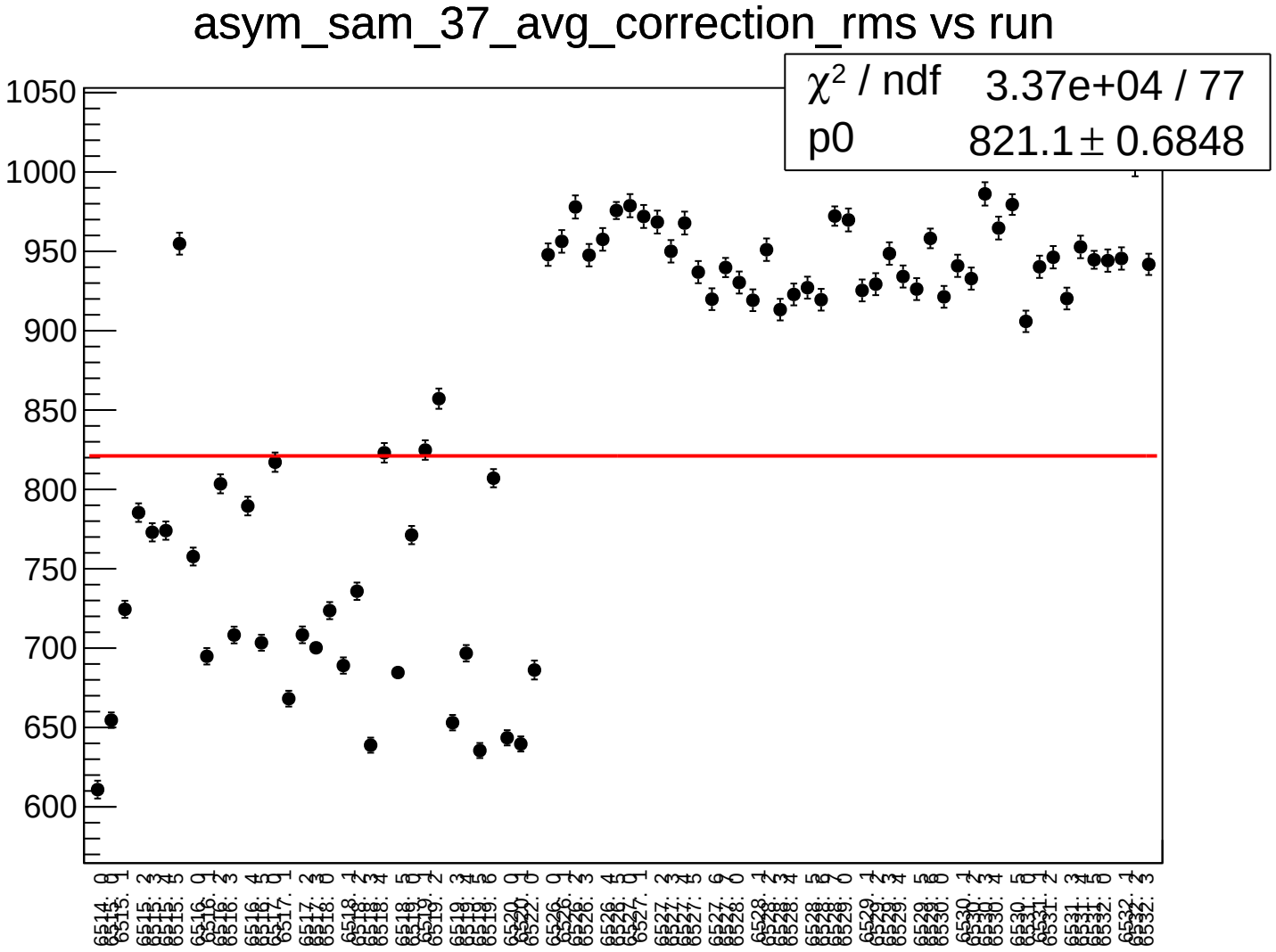

dit_asym_sam_37_avg_mean vs run
χ² / ndf 105.7 / 77
p0 138.2 ± 139.3
6000
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 926
Std Dev 875
2
1
0
−1
−2

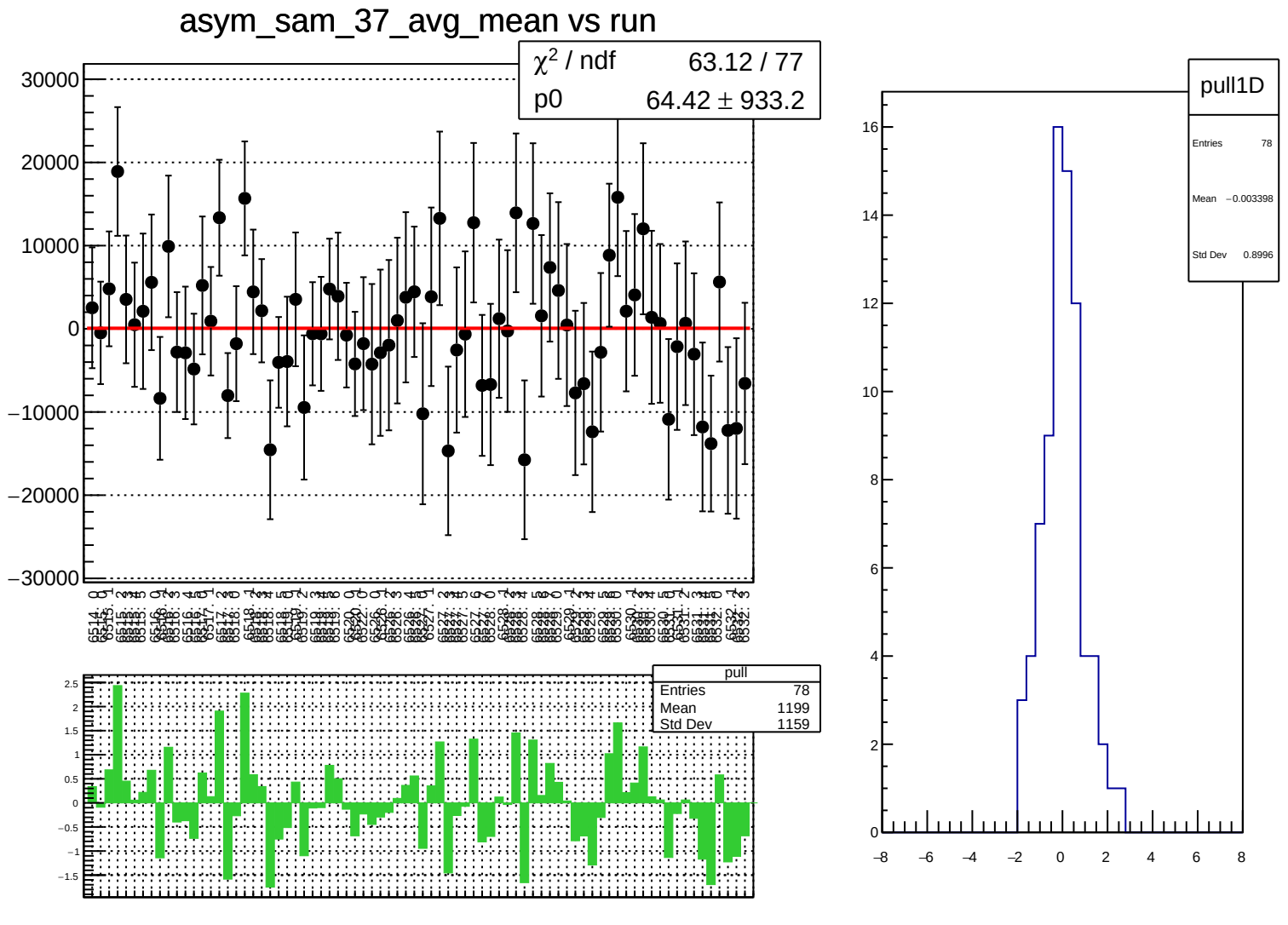

pull1D
Entries 78
Mean −0.005142
Std Dev 1.164
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

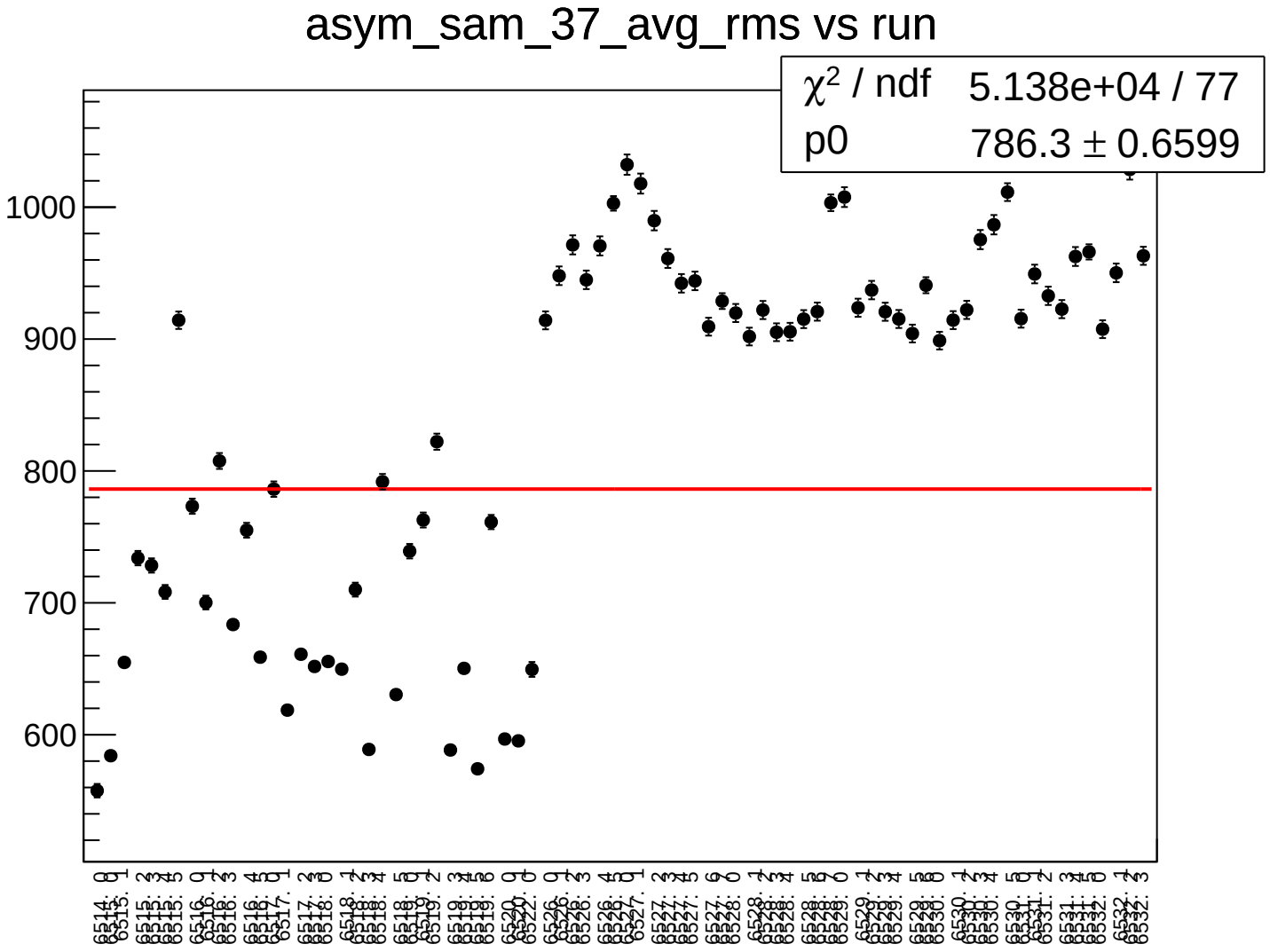
dit_asym_sam_37_avg_rms vs run

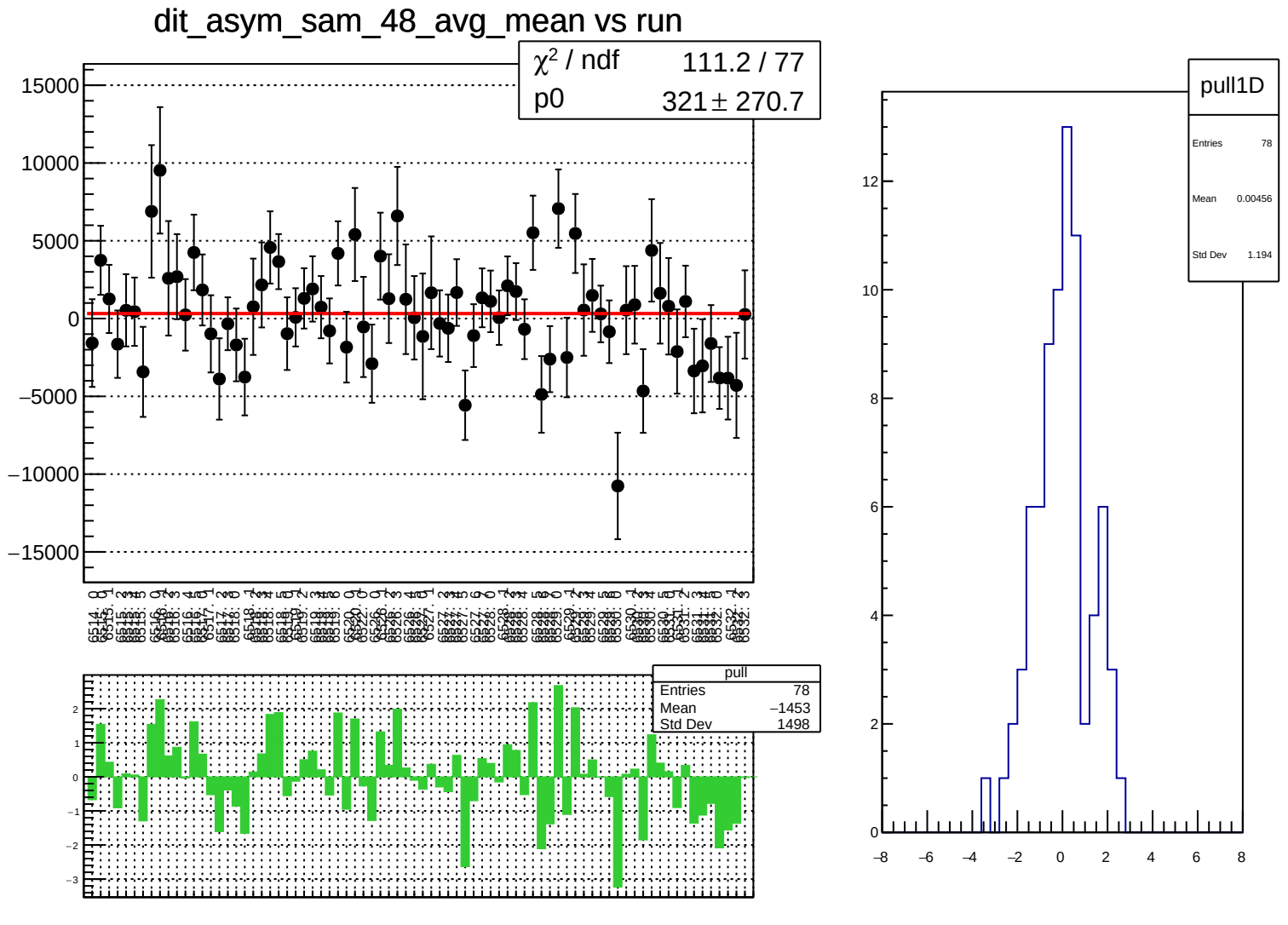



asym_sam_37_avg_correction_mean vs run
χ² / ndf 64.3 / 77
p0 208.2 ± 968.5
pull
Entries 78
Mean −683.9
Std Dev 721.8
pull1D
Entries 78
Mean −0.004399
Std Dev 0.9079

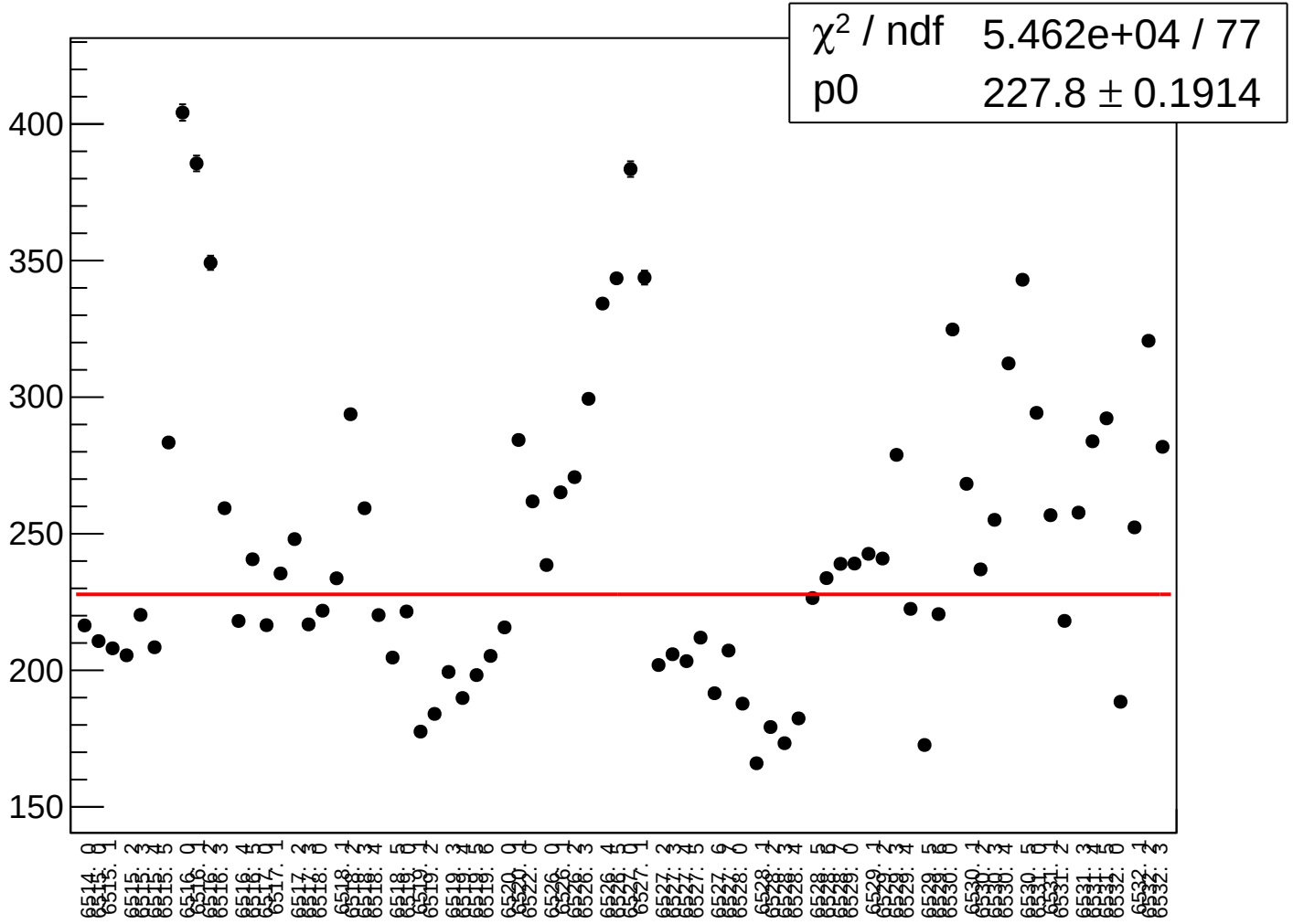

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3.37e+04 / 77
p0 821.1 ± 0.6848
1050
1000
950
900
850
800
750
700
650
600

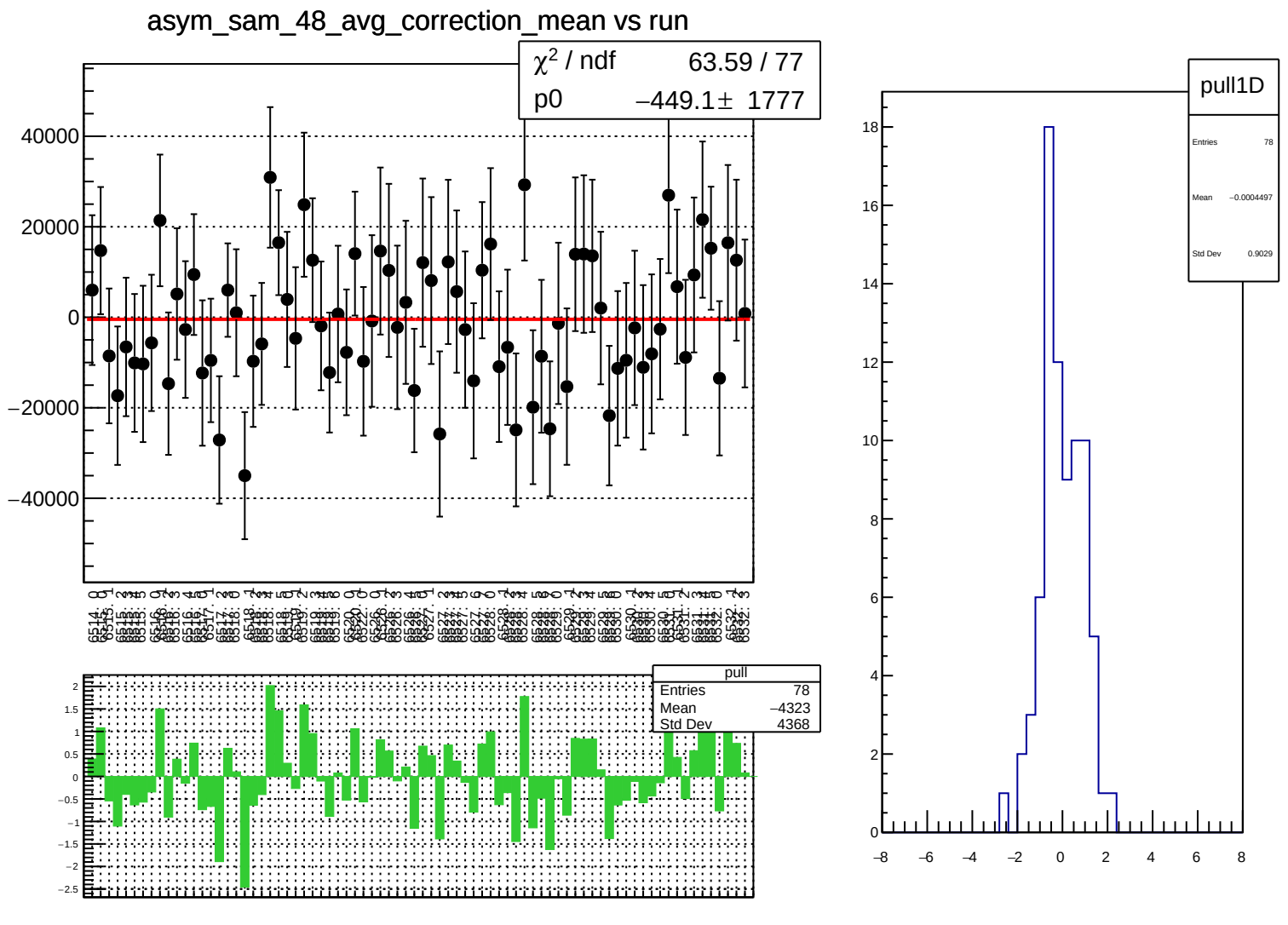

asym_sam_37_avg_mean vs run
χ² / ndf 63.12 / 77
p0 64.42 ± 933.2
pull
Entries 78
Mean 1199
Std Dev 1159
pull1D
Entries 78
Mean −0.003398
Std Dev 0.8996

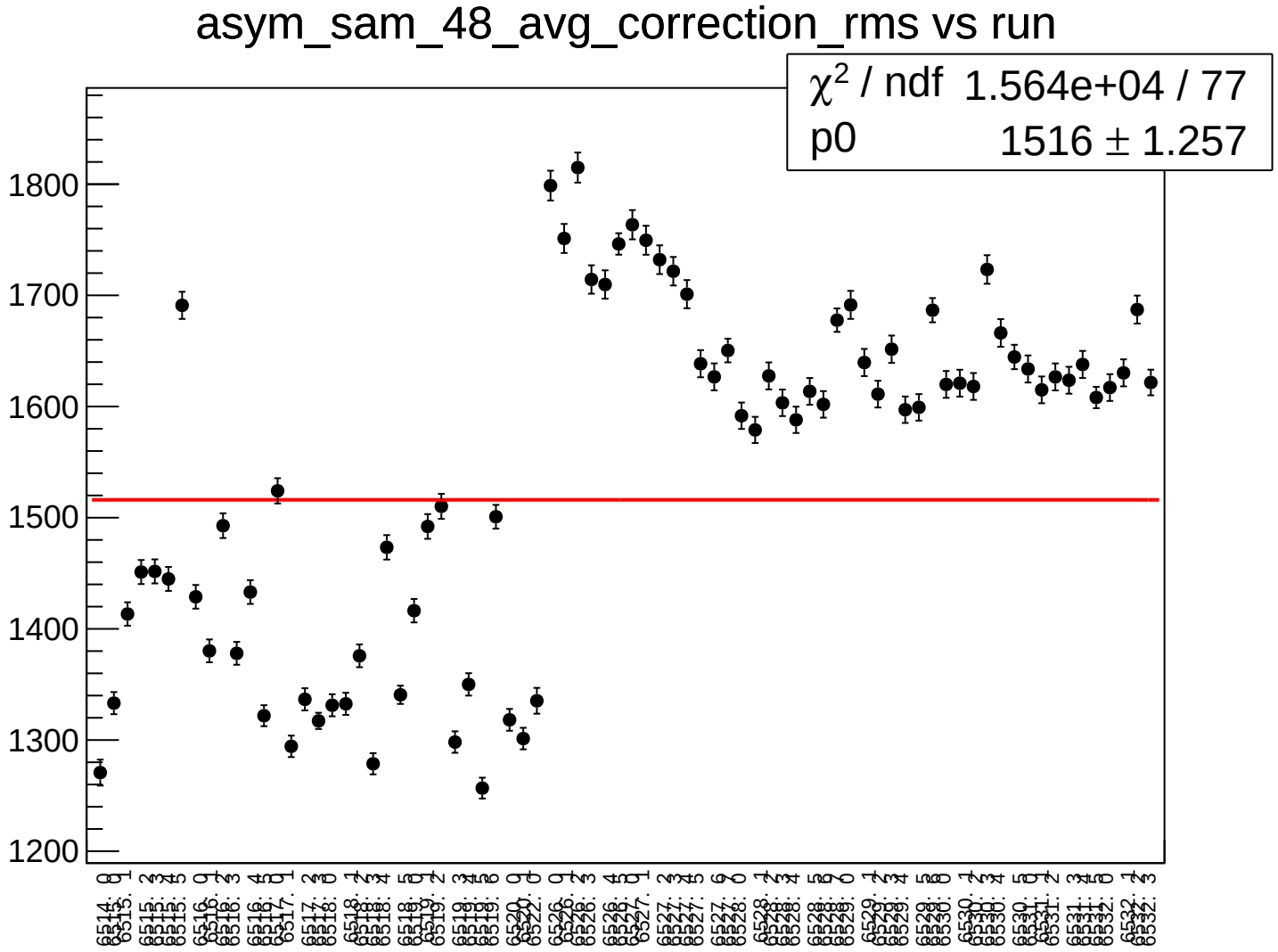

asym_sam_37_avg_rms vs run
χ^2 / ndf 5.138e+04 / 77
p0 786.3 ± 0.6599
1000
900
800
700
600

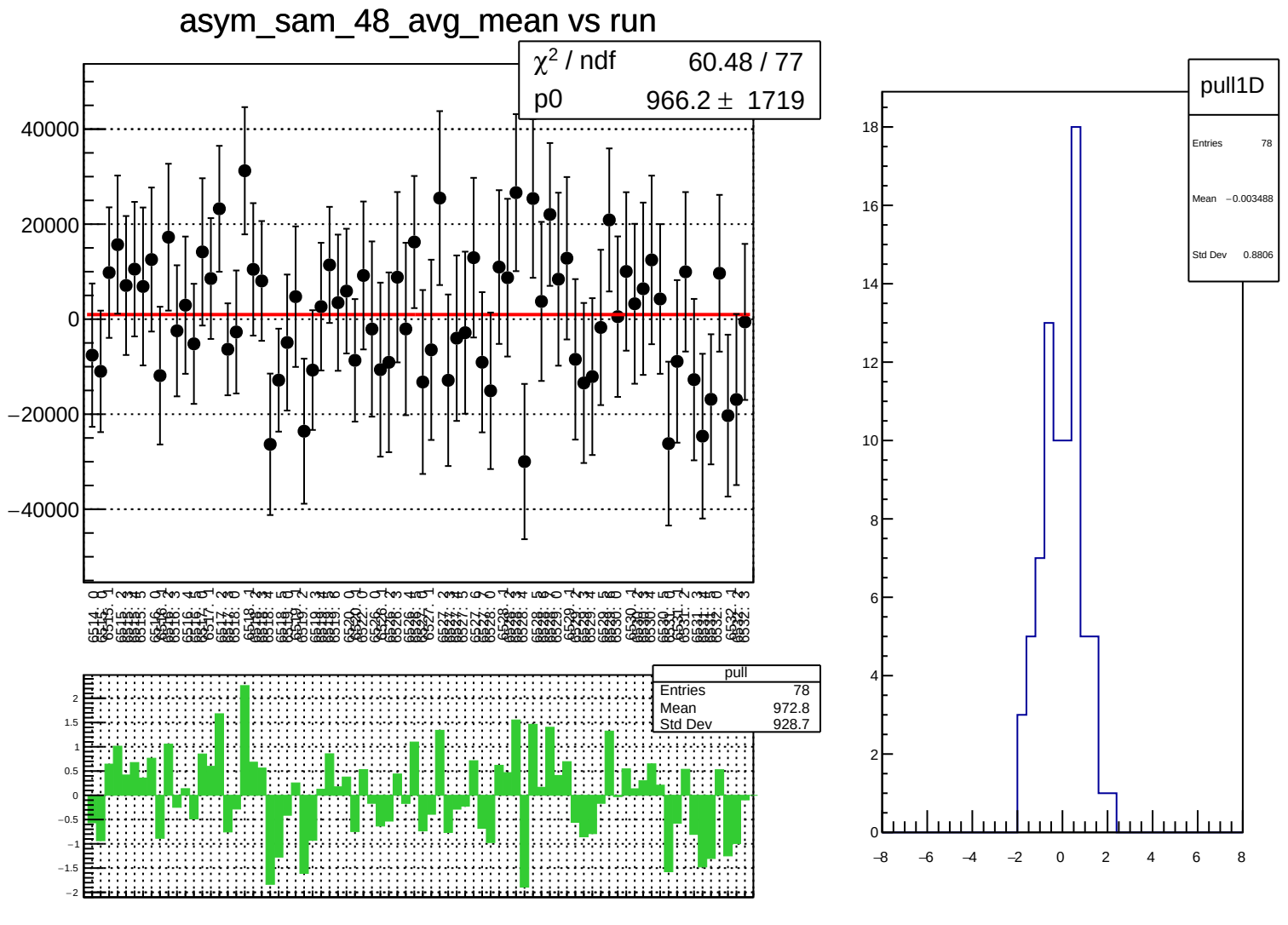

dit_asym_sam_48_avg_mean vs run
χ² / ndf 111.2 / 77
p0 321 ± 270.7
pull
Entries 78
Mean −1453
Std Dev 1498
pull1D
Entries 78
Mean 0.00456
Std Dev 1.194

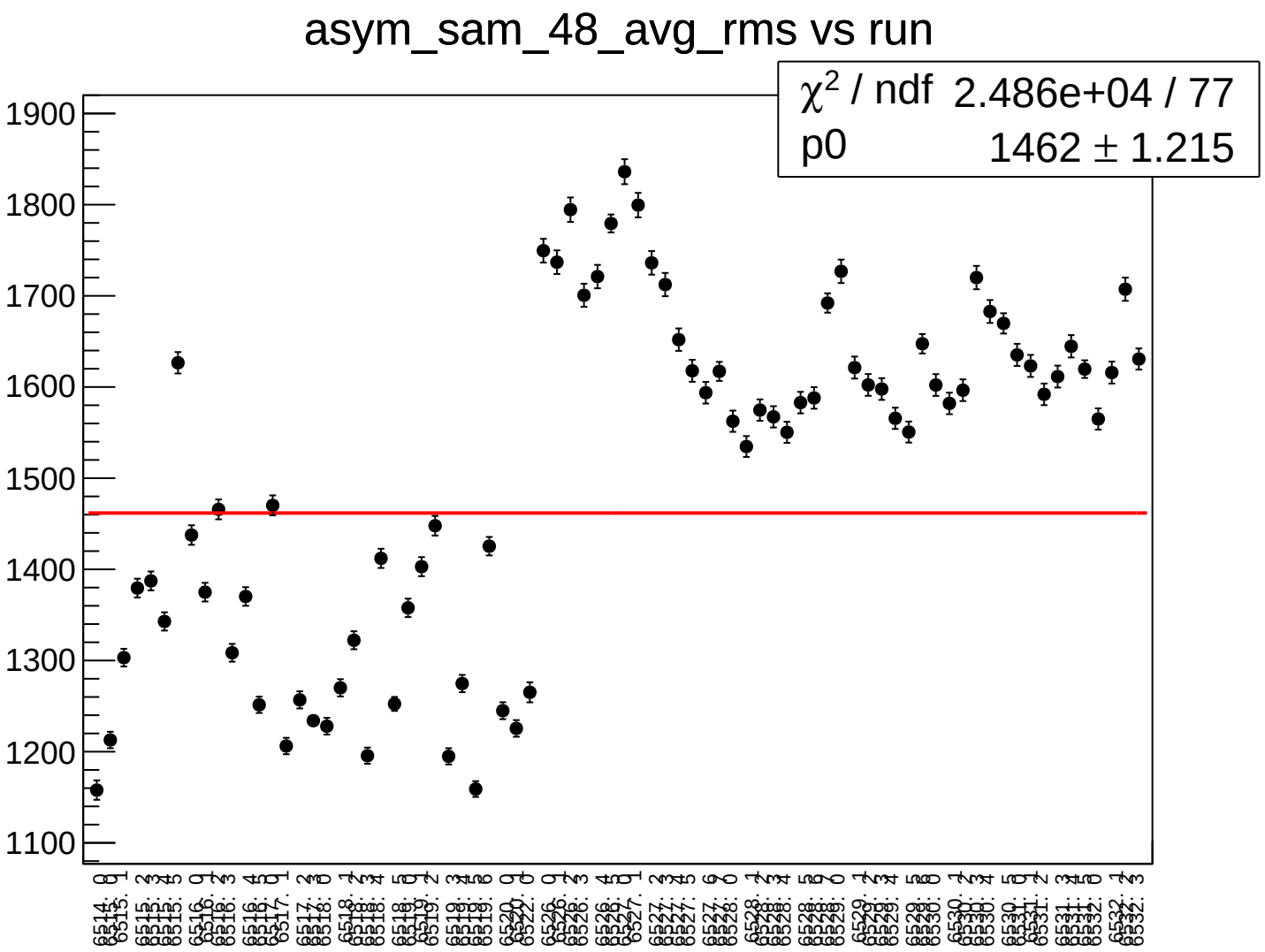
dit_asym_sam_48_avg_rms vs run

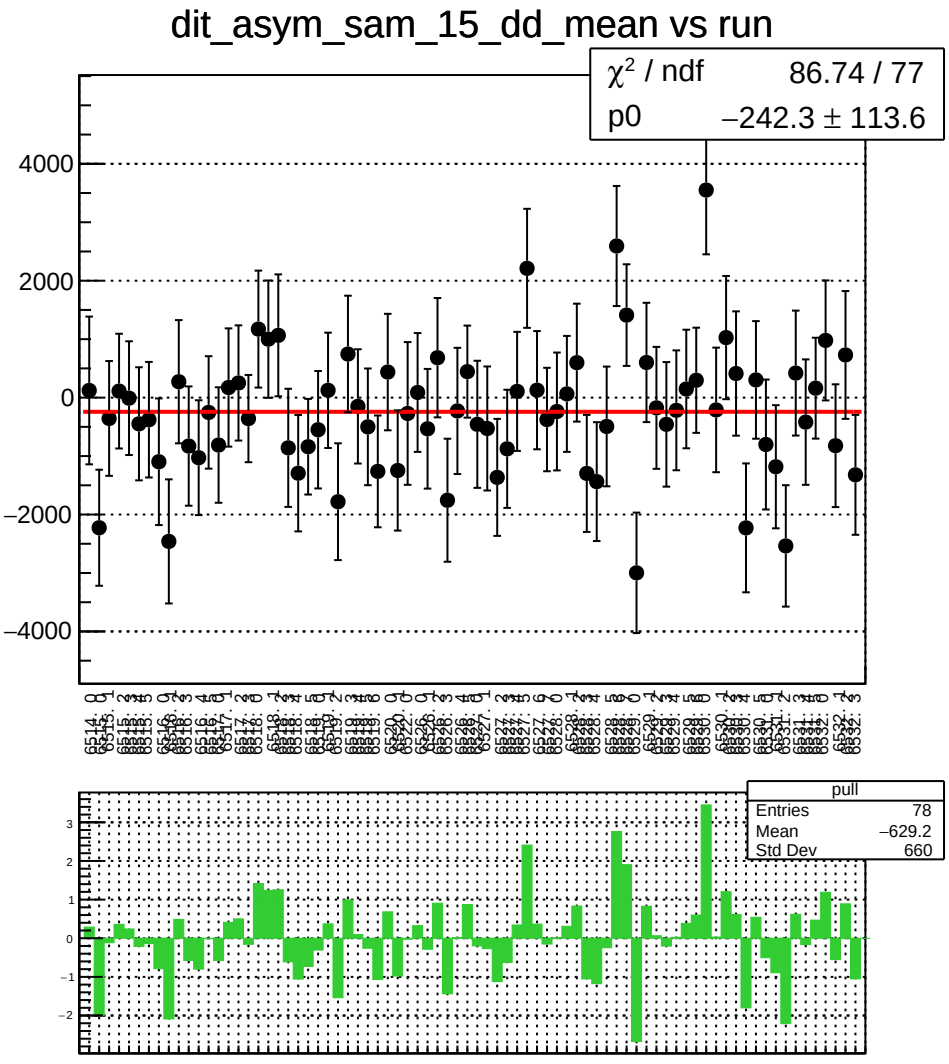


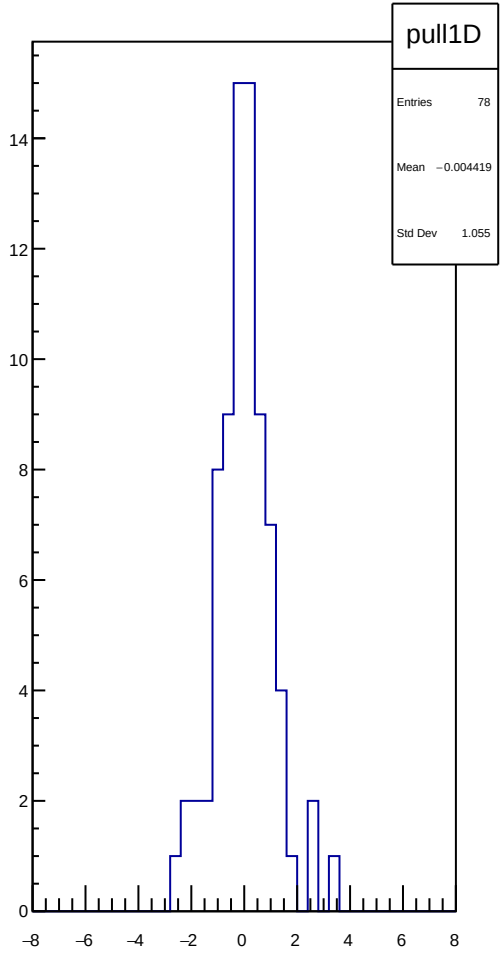

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 63.59 / 77
p0 −449.1± 1777
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −4323
Std Dev 4368
pull1D
Entries 78
Mean −0.0004497
Std Dev 0.9029

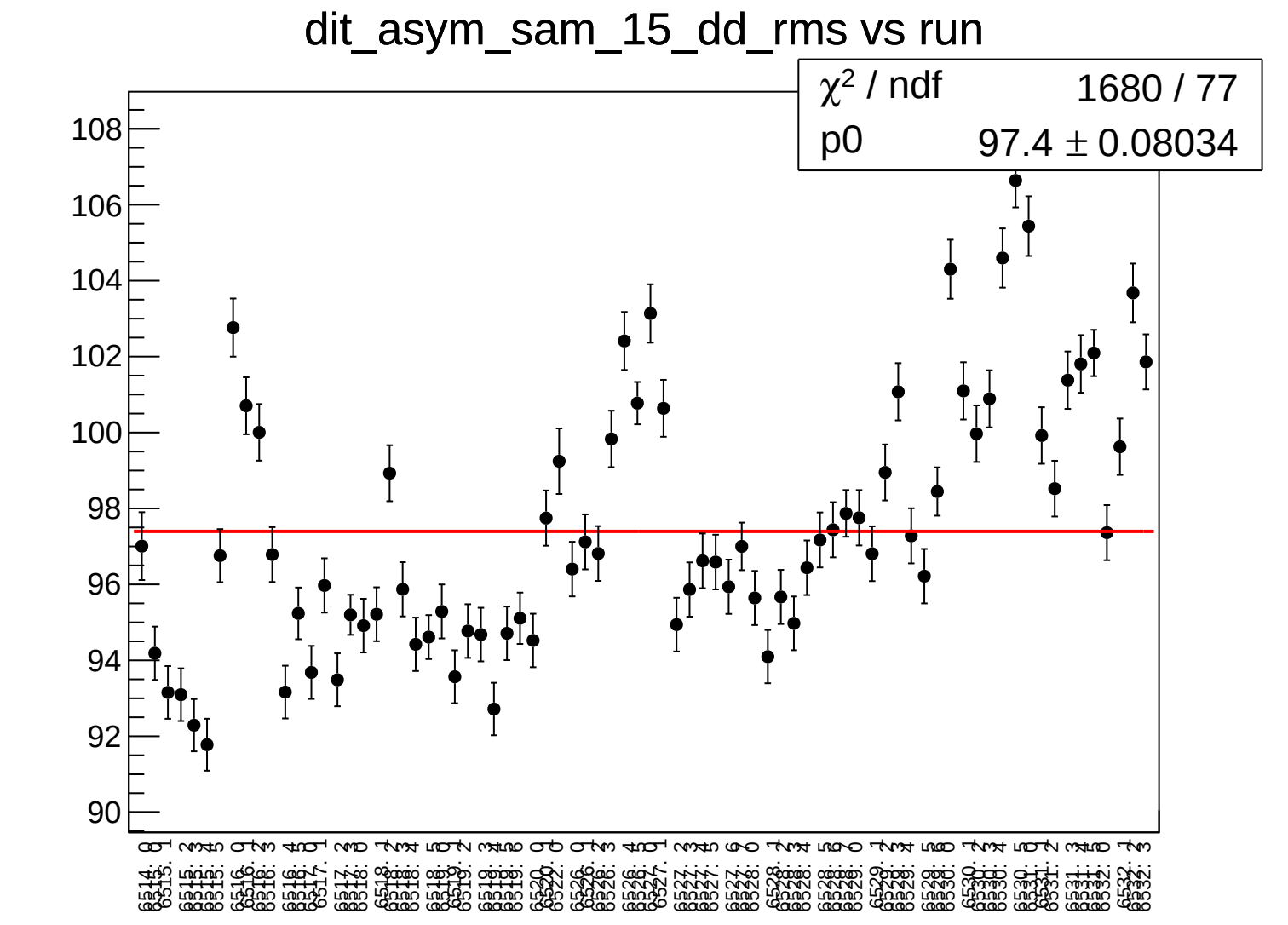

asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 1.564e+04 / 77
p0 1516 ± 1.257
1800
1700
1600
1500
1400
1300
1200

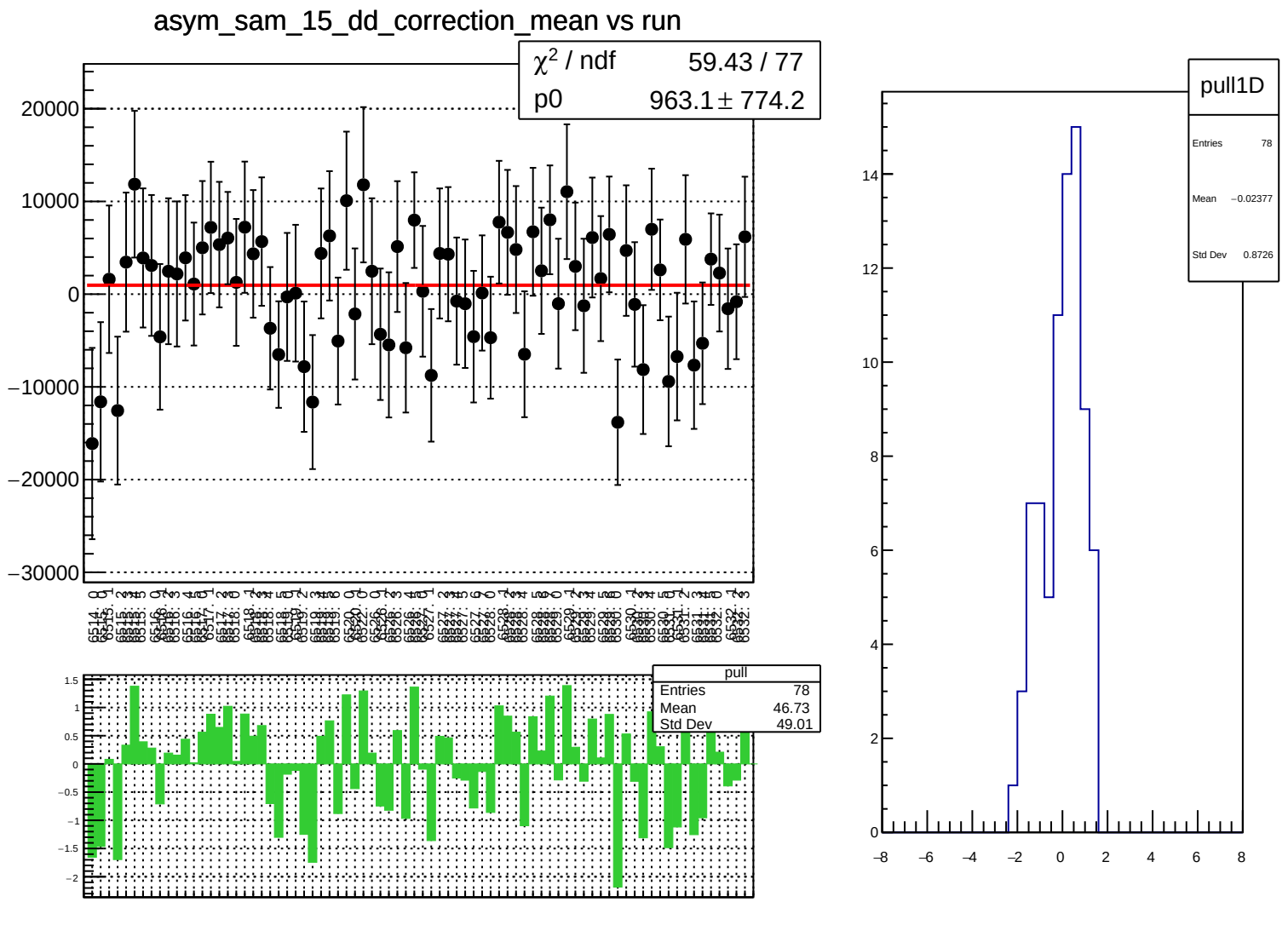

asym_sam_48_avg_mean vs run
χ^2 / ndf 60.48 / 77
p0 966.2 ± 1719
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 972.8
Std Dev 928.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.003488
Std Dev 0.8806
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_rms vs run
χ^2 / ndf 2.486e+04 / 77
p0 1462 ± 1.215
1900
1800
1700
1600
1500
1400
1300
1200
1100

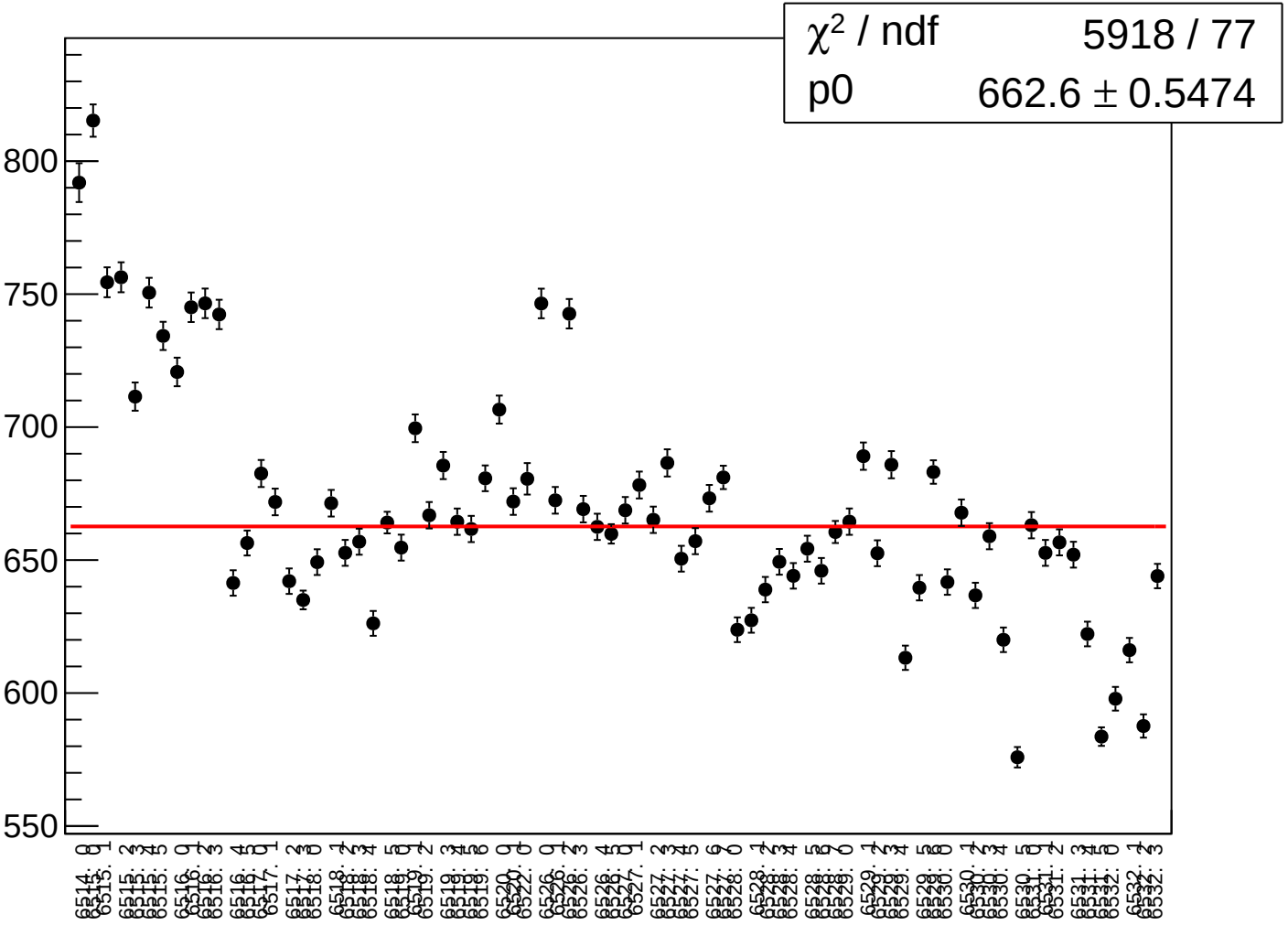

dit_asym_sam_15_dd_mean vs run
χ² / ndf 86.74 / 77
p0 −242.3 ± 113.6
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −629.2
Std Dev 660

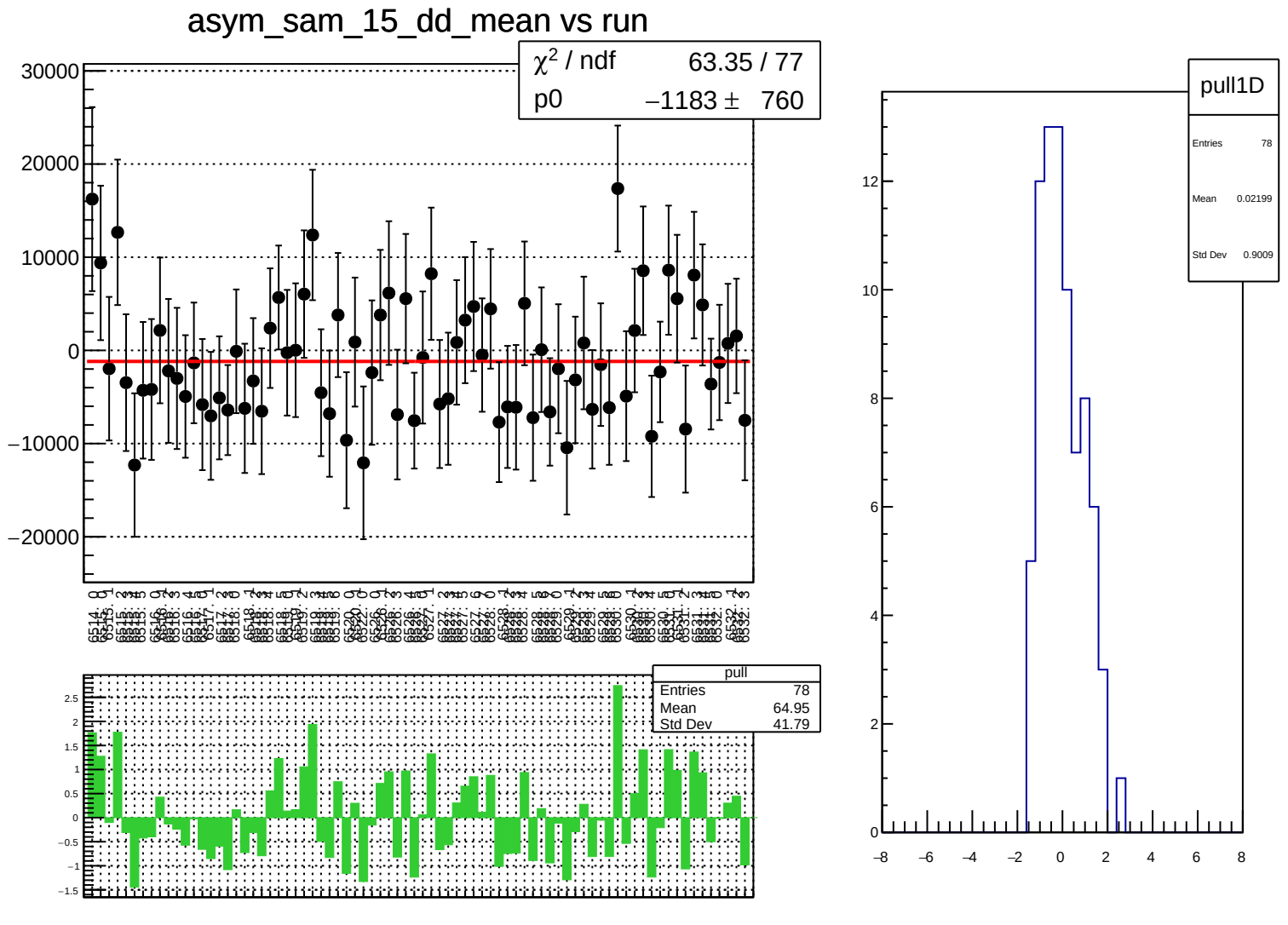

pull1D
Entries 78
Mean −0.004419
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_dd_rms vs run
χ² / ndf 1680 / 77
p0 97.4 ± 0.08034
108
106
104
102
100
98
96
94
92
90

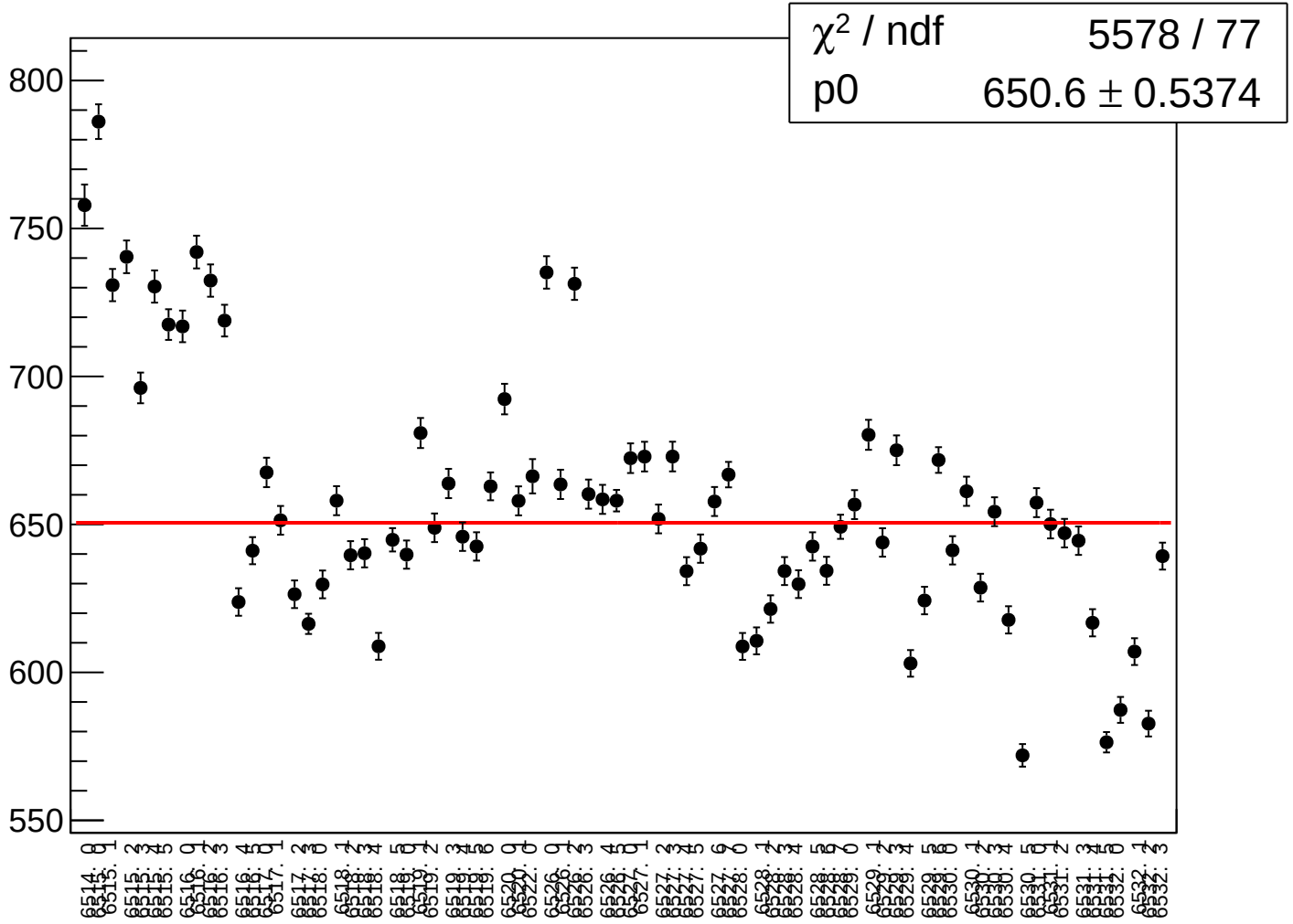

asym_sam_15_dd_correction_mean vs run
χ² / ndf 59.43 / 77
p0 963.1 ± 774.2
pull
Entries 78
Mean 46.73
Std Dev 49.01
pull1D
Entries 78
Mean −0.02377
Std Dev 0.8726

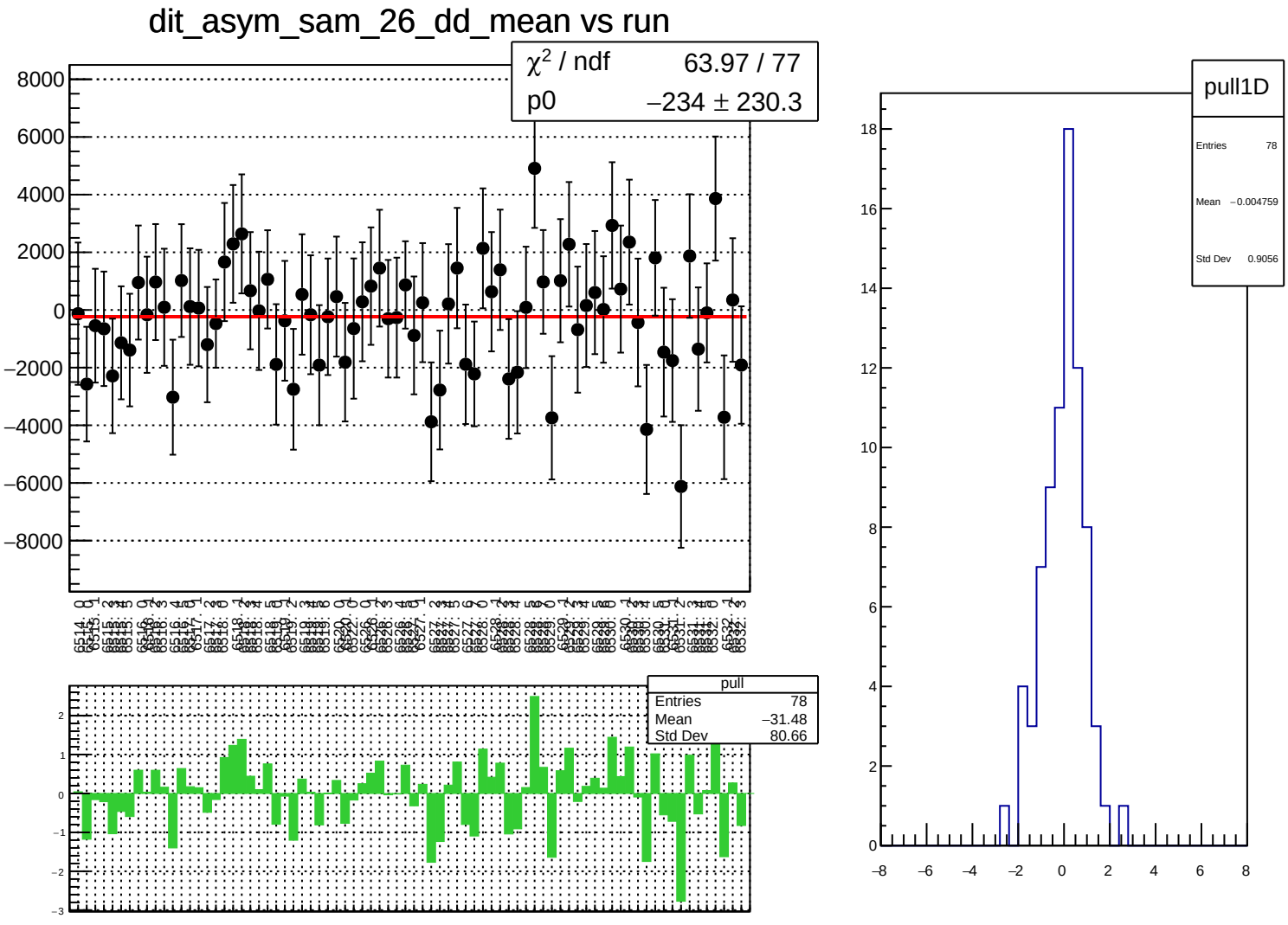
asym_sam_15_dd_correction_rms vs run



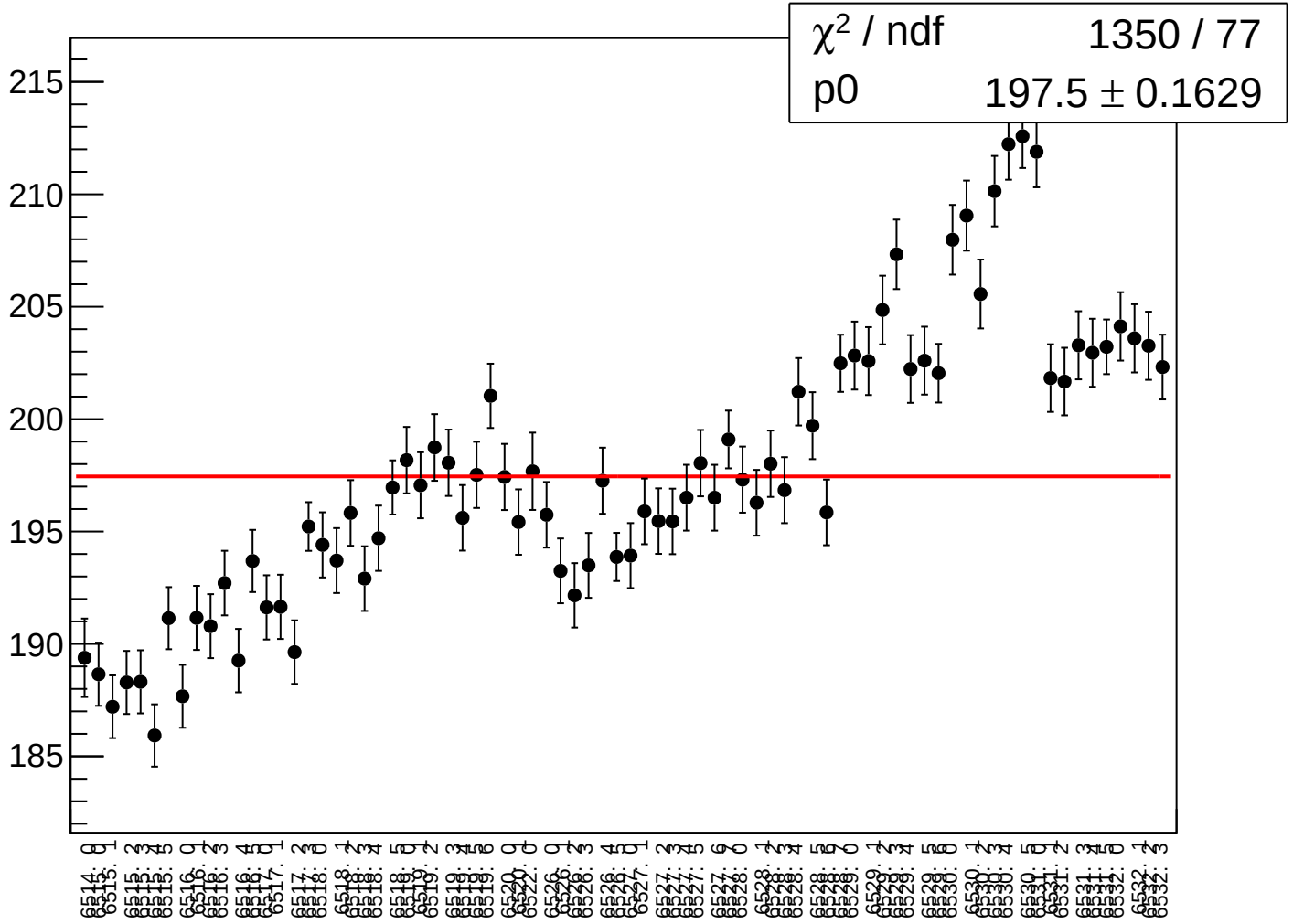

asym_sam_15_dd_mean vs run
χ² / ndf 63.35 / 77
p0 −1183 ± 760
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 64.95
Std Dev 41.79
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.02199
Std Dev 0.9009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

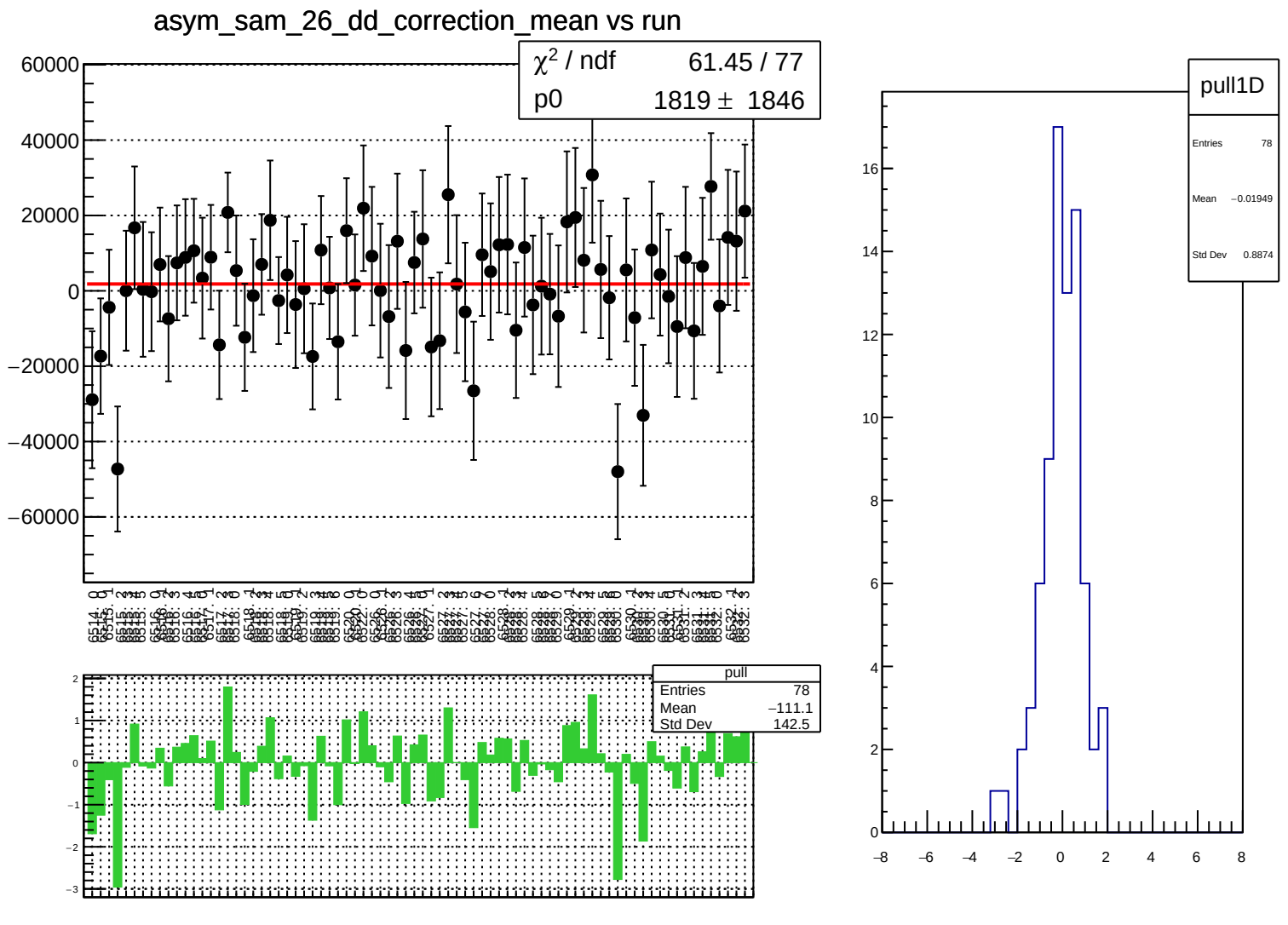
asym_sam_15_dd_rms vs run



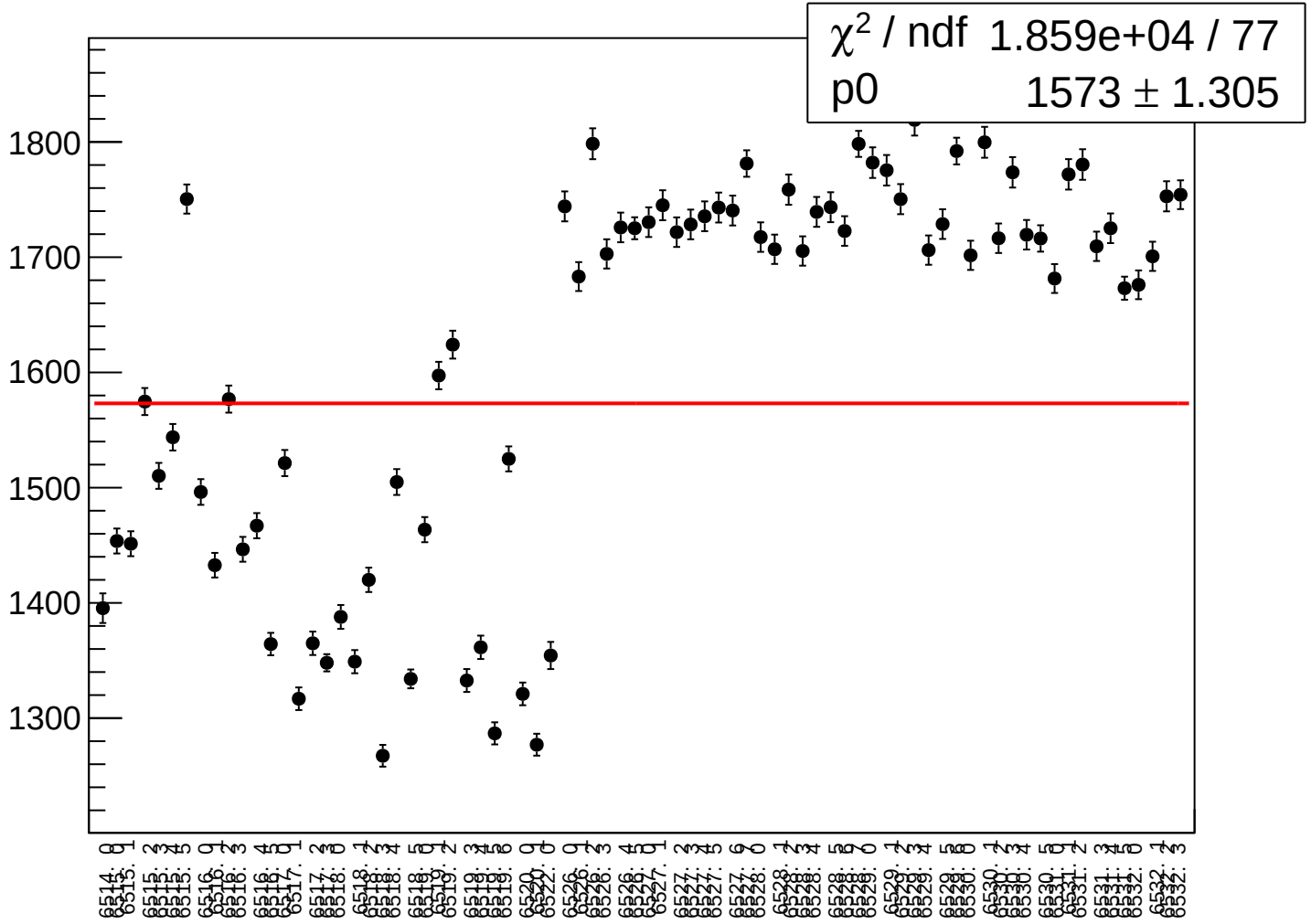

dit_asym_sam_26_dd_mean vs run
χ² / ndf 63.97 / 77
p0 −234 ± 230.3
pull
Entries 78
Mean −31.48
Std Dev 80.66
pull1D
Entries 78
Mean −0.004759
Std Dev 0.9056

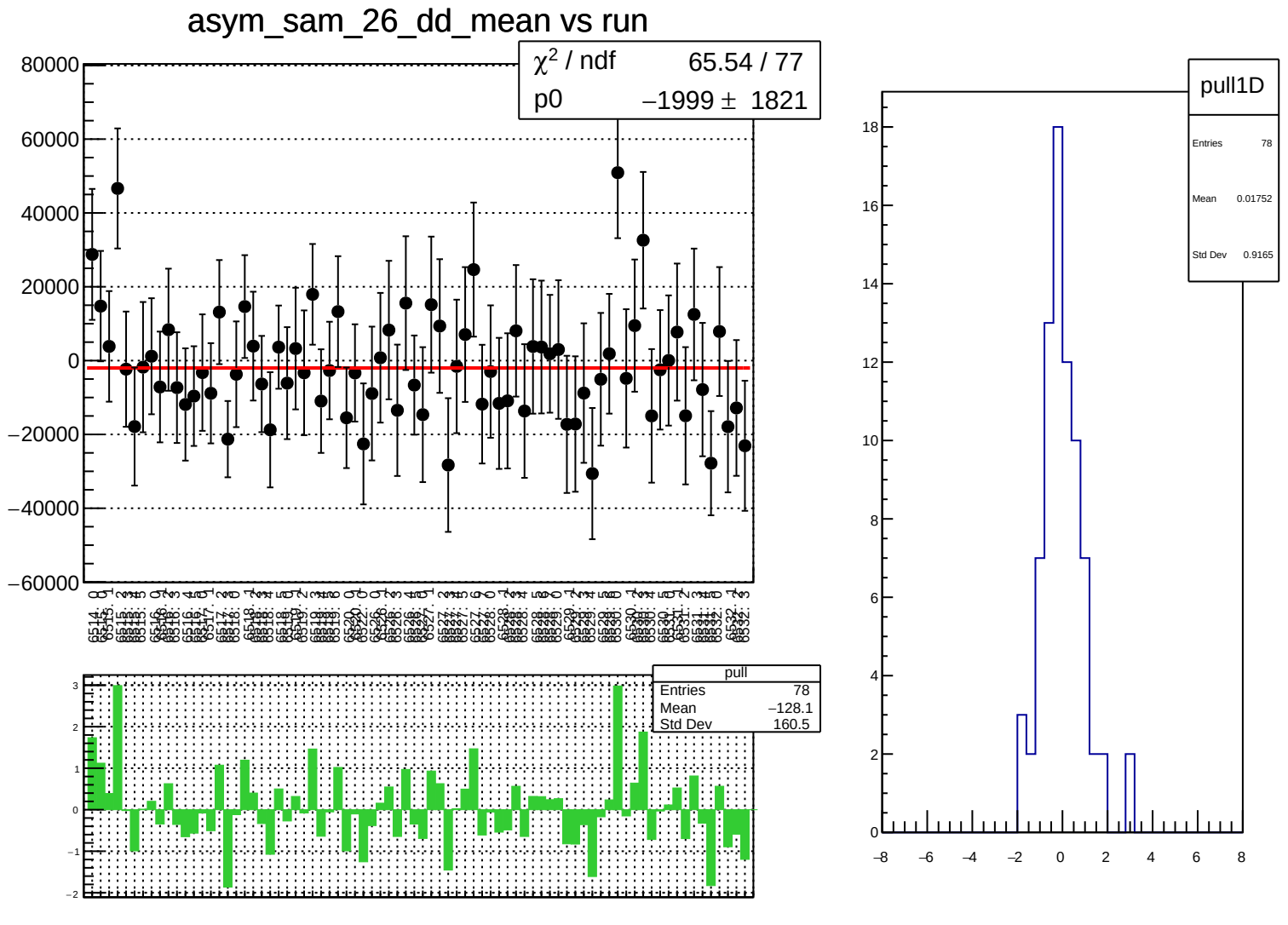
dit_asym_sam_26_dd_rms vs run

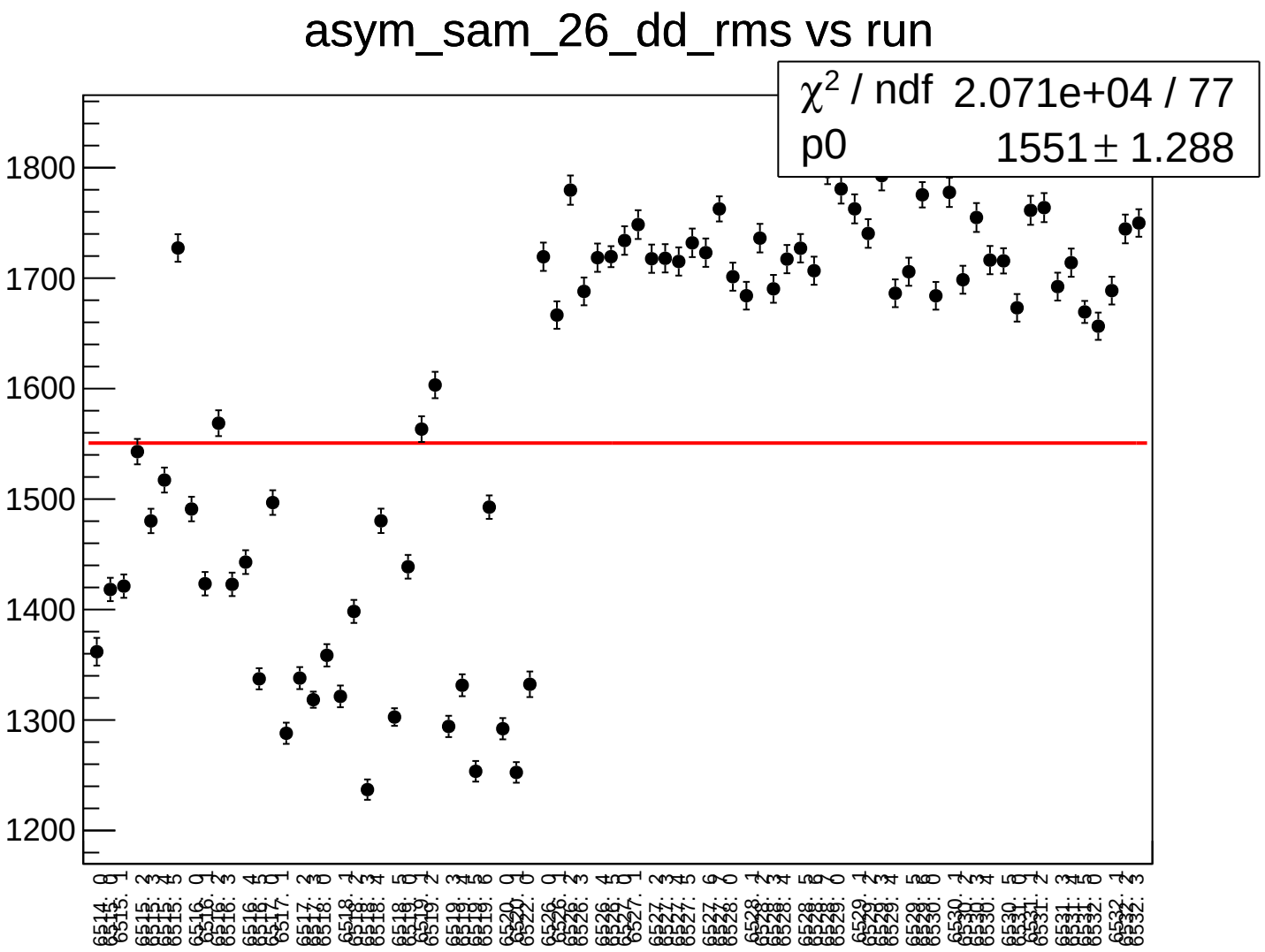


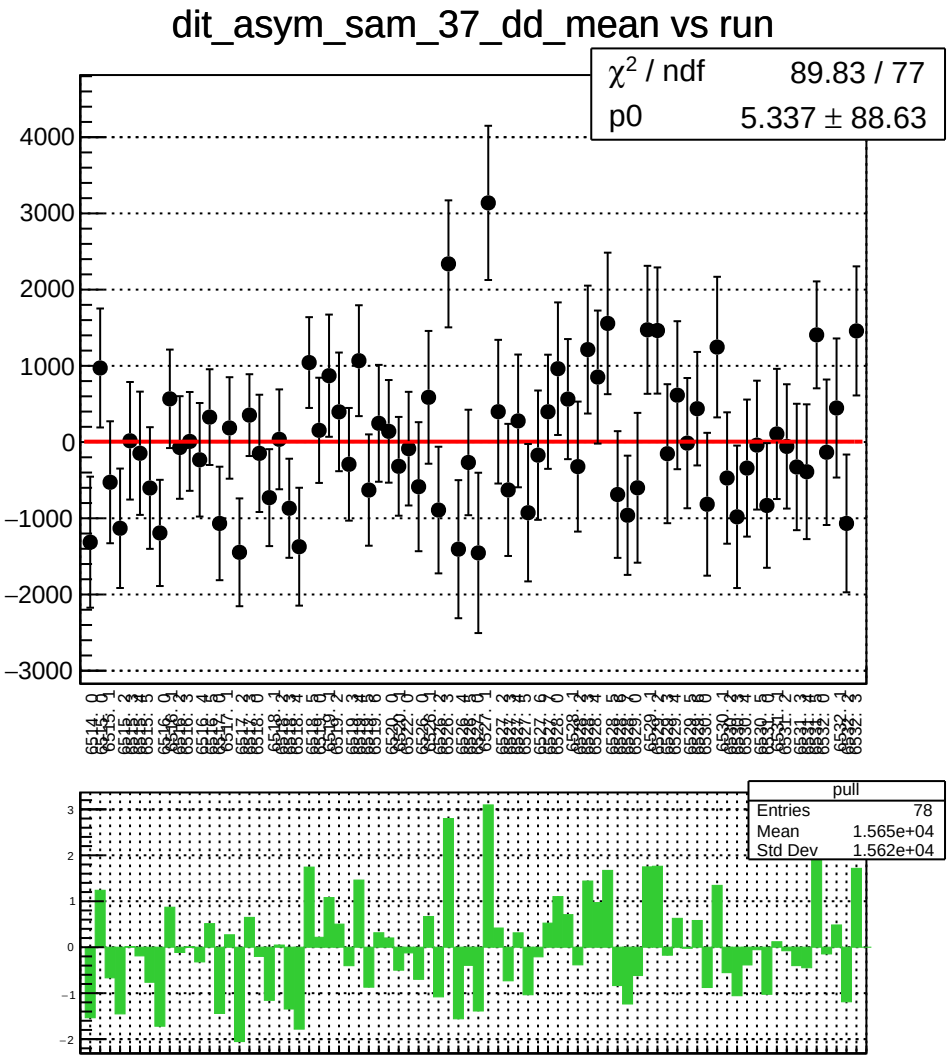

asym_sam_26_dd_correction_mean vs run
χ² / ndf 61.45 / 77
p0 1819 ± 1846
pull
Entries 78
Mean −111.1
Std Dev 142.5
pull1D
Entries 78
Mean −0.01949
Std Dev 0.8874

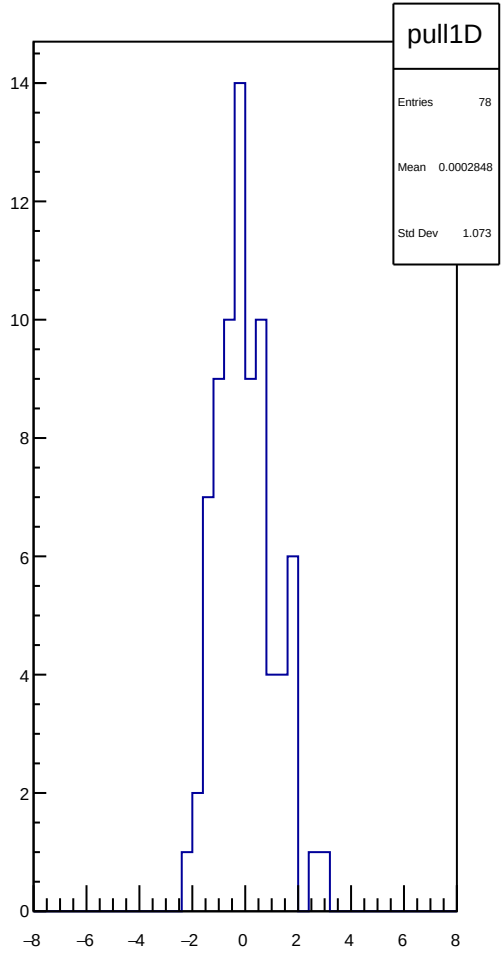
asym_sam_26_dd_correction_rms vs run



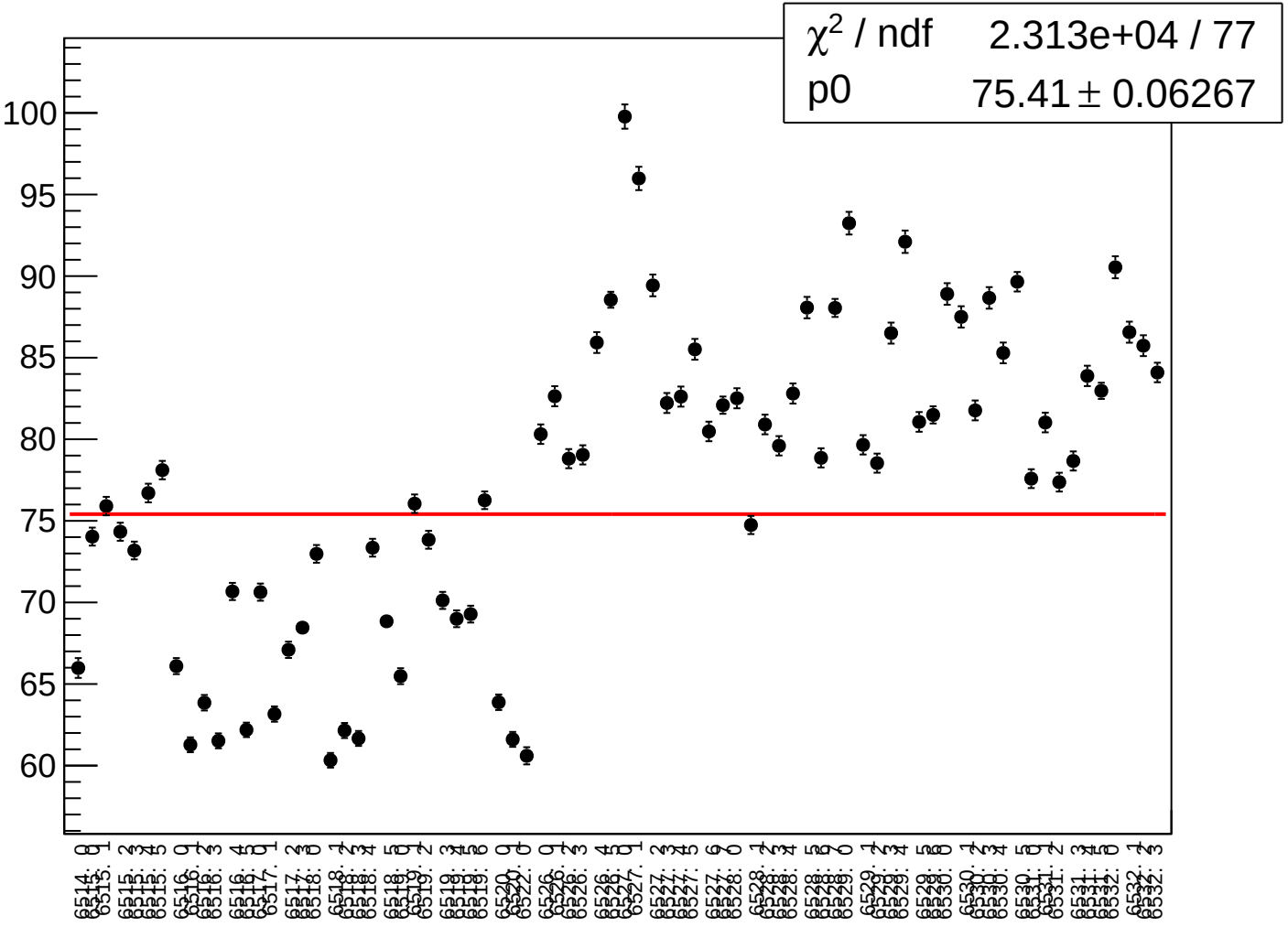

asym_sam_26_dd_mean vs run
χ² / ndf 65.54 / 77
p0 −1999 ± 1821
pull
Entries 78
Mean −128.1
Std Dev 160.5
pull1D
Entries 78
Mean 0.01752
Std Dev 0.9165

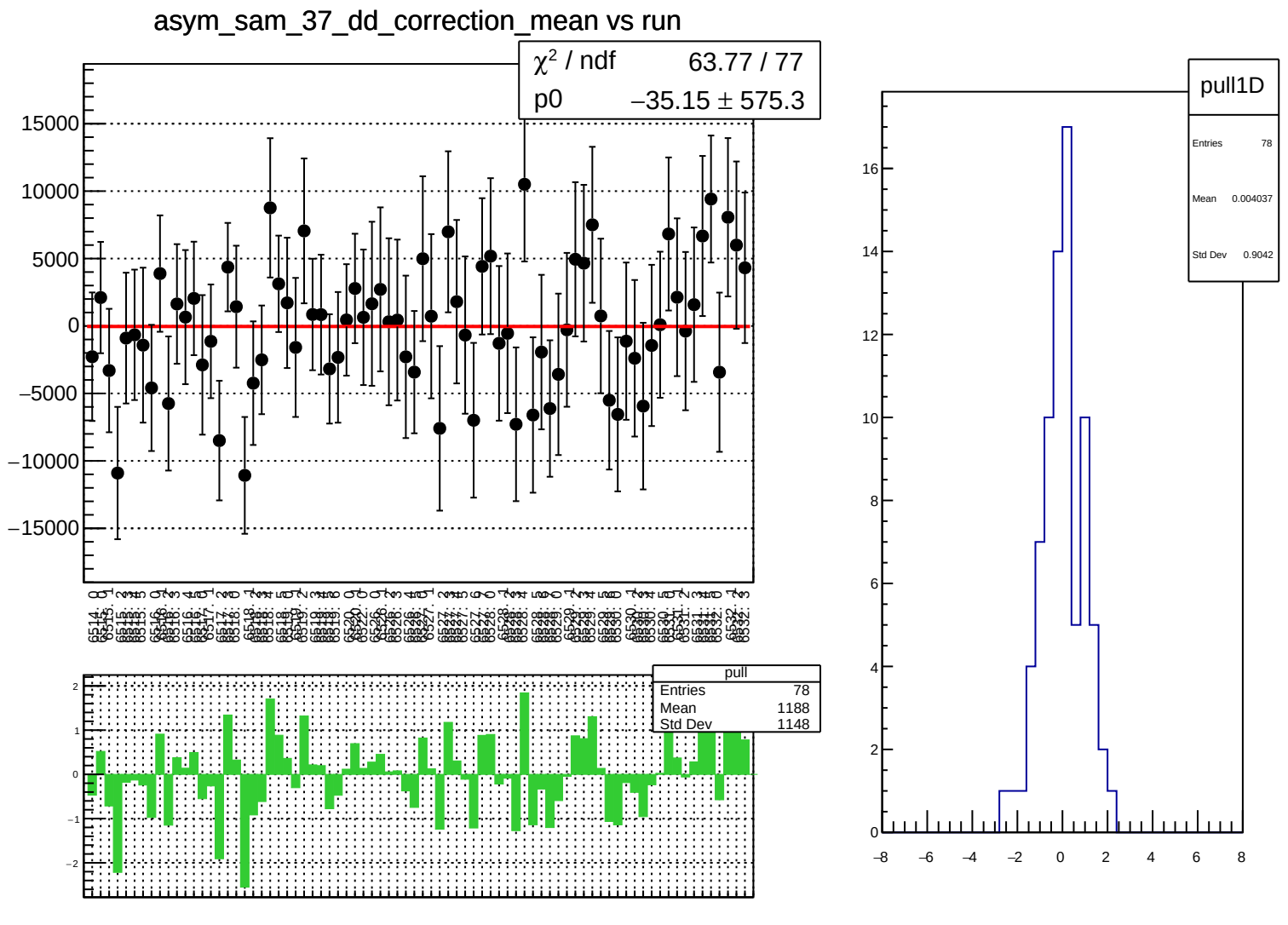

asym_sam_26_dd_rms vs run
χ² / ndf 2.071e+04 / 77
p0 1551 ± 1.288
1800
1700
1600
1500
1400
1300
1200


dit_asym_sam_37_dd_mean vs run
χ² / ndf 89.83 / 77
p0 5.337 ± 88.63
pull
Entries 78
Mean 1.565e+04
Std Dev 1.562e+04

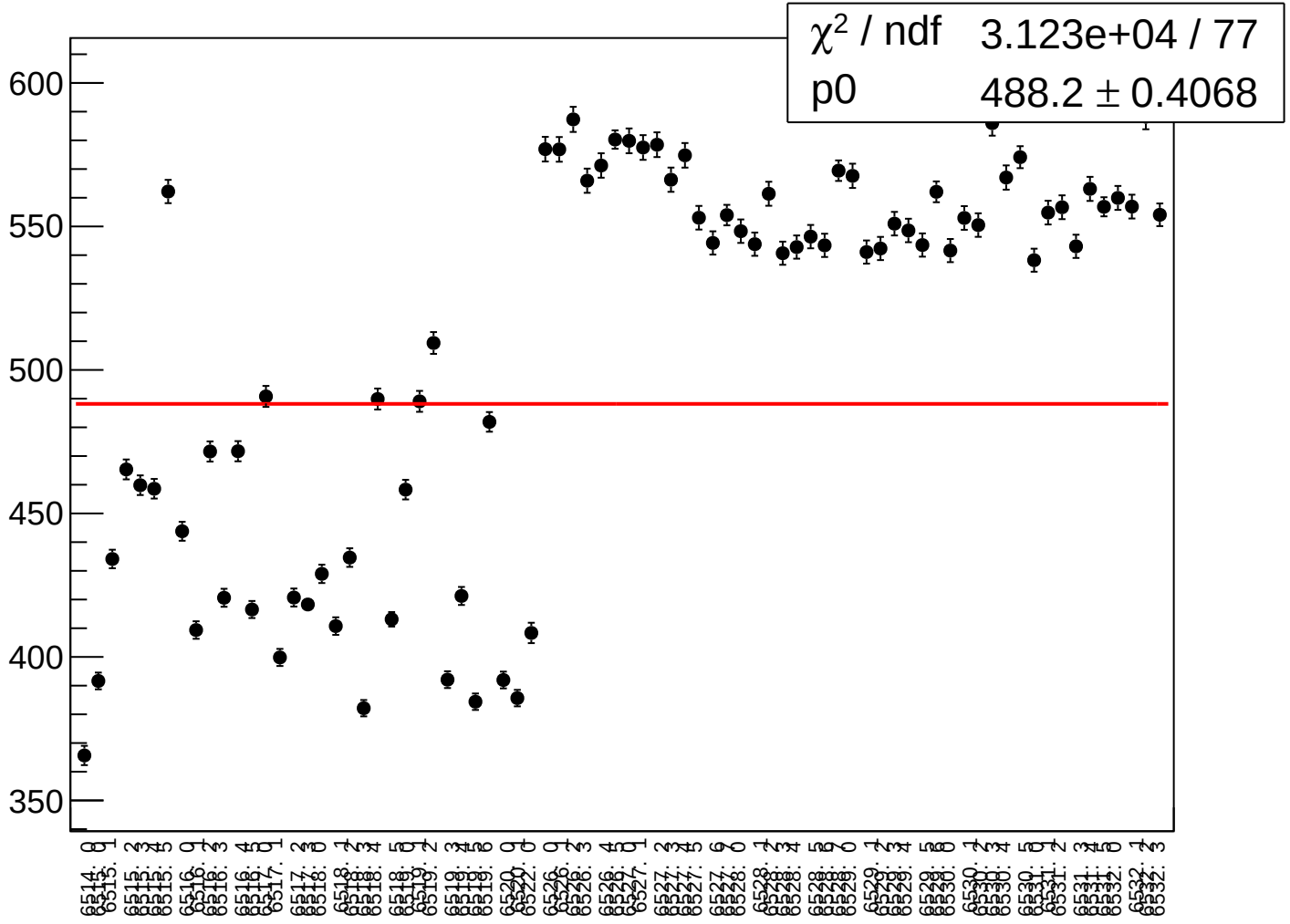

pull1D
Entries 78
Mean 0.0002848
Std Dev 1.073

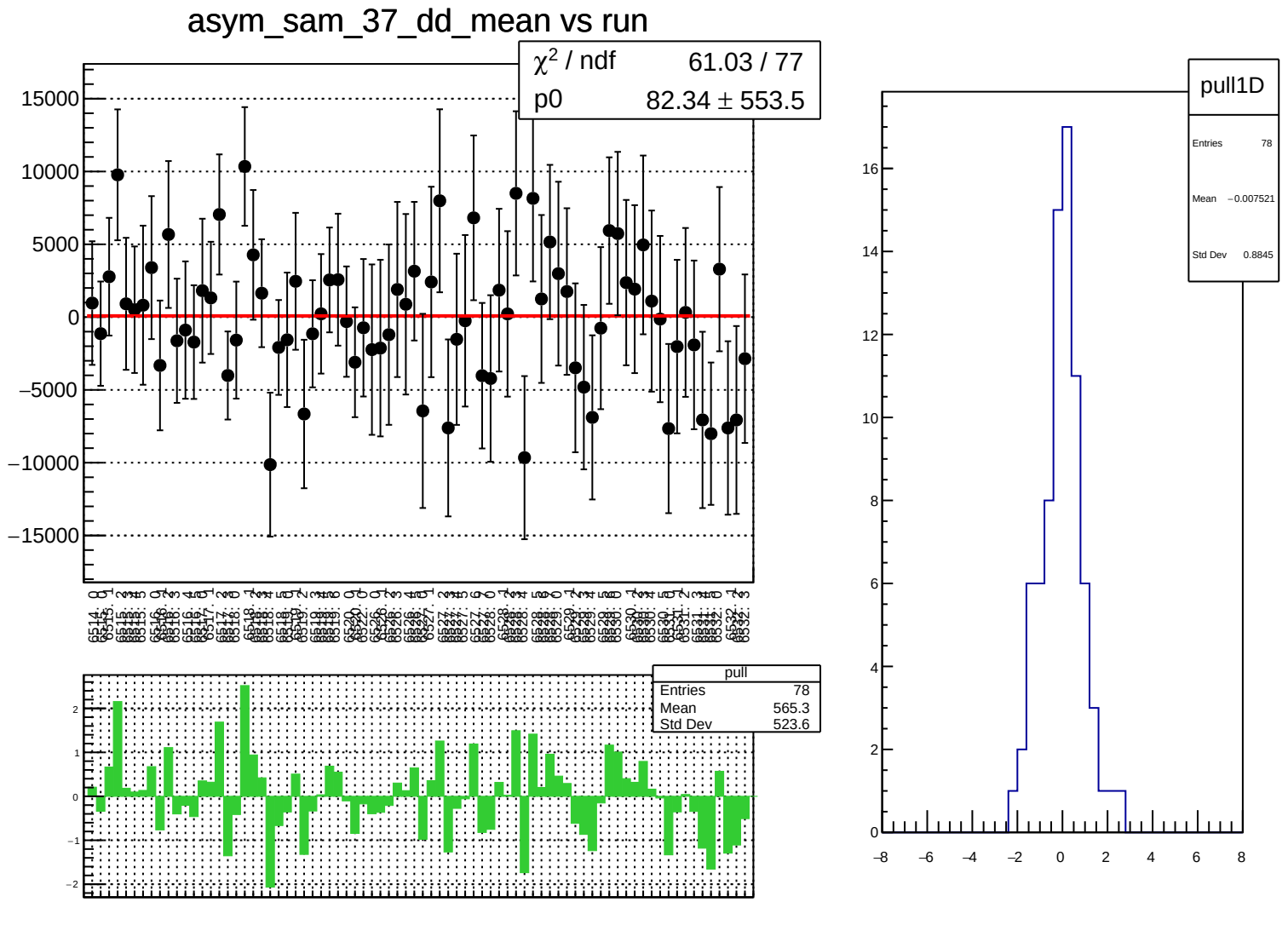
dit_asym_sam_37_dd_rms vs run

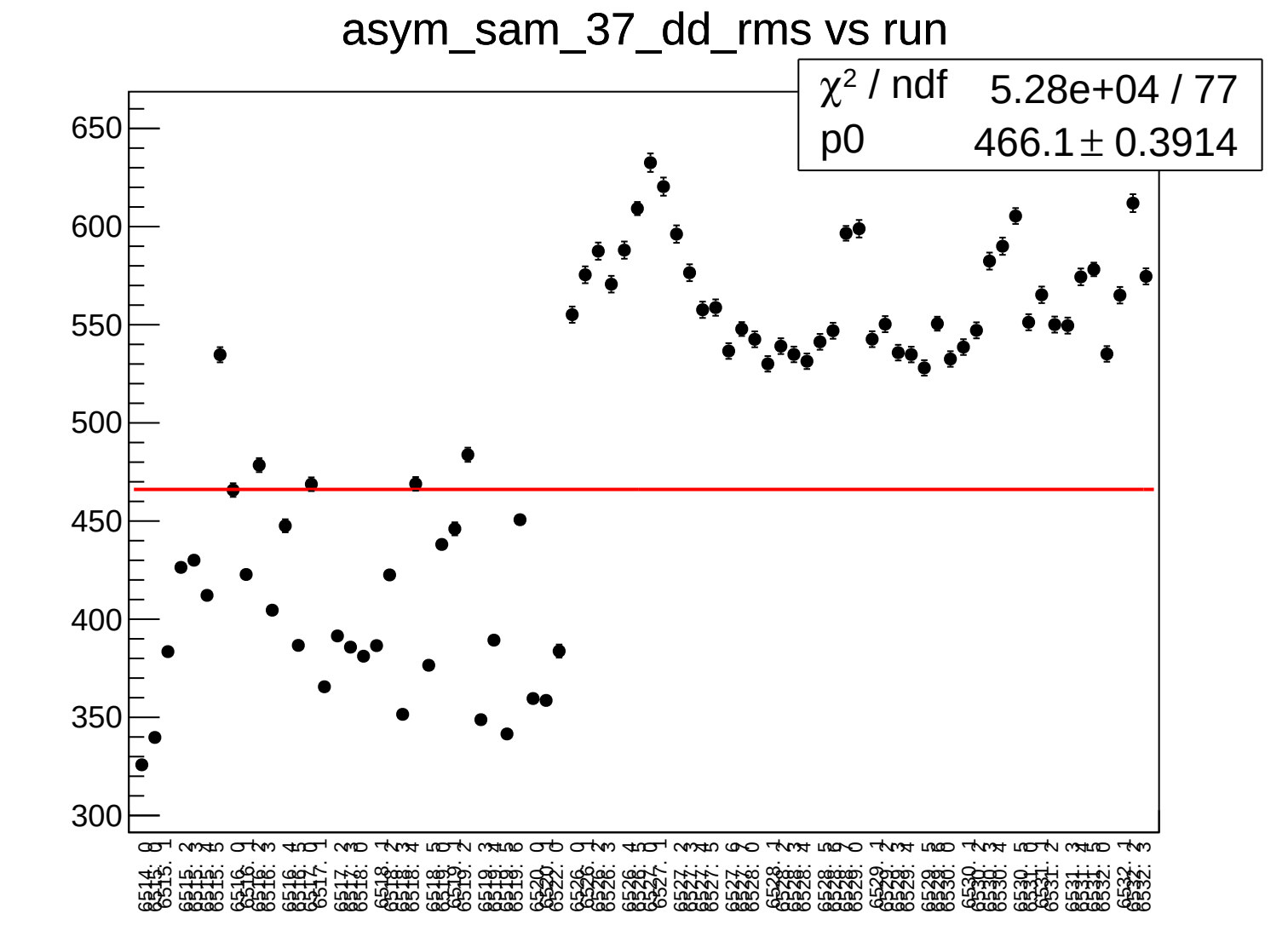


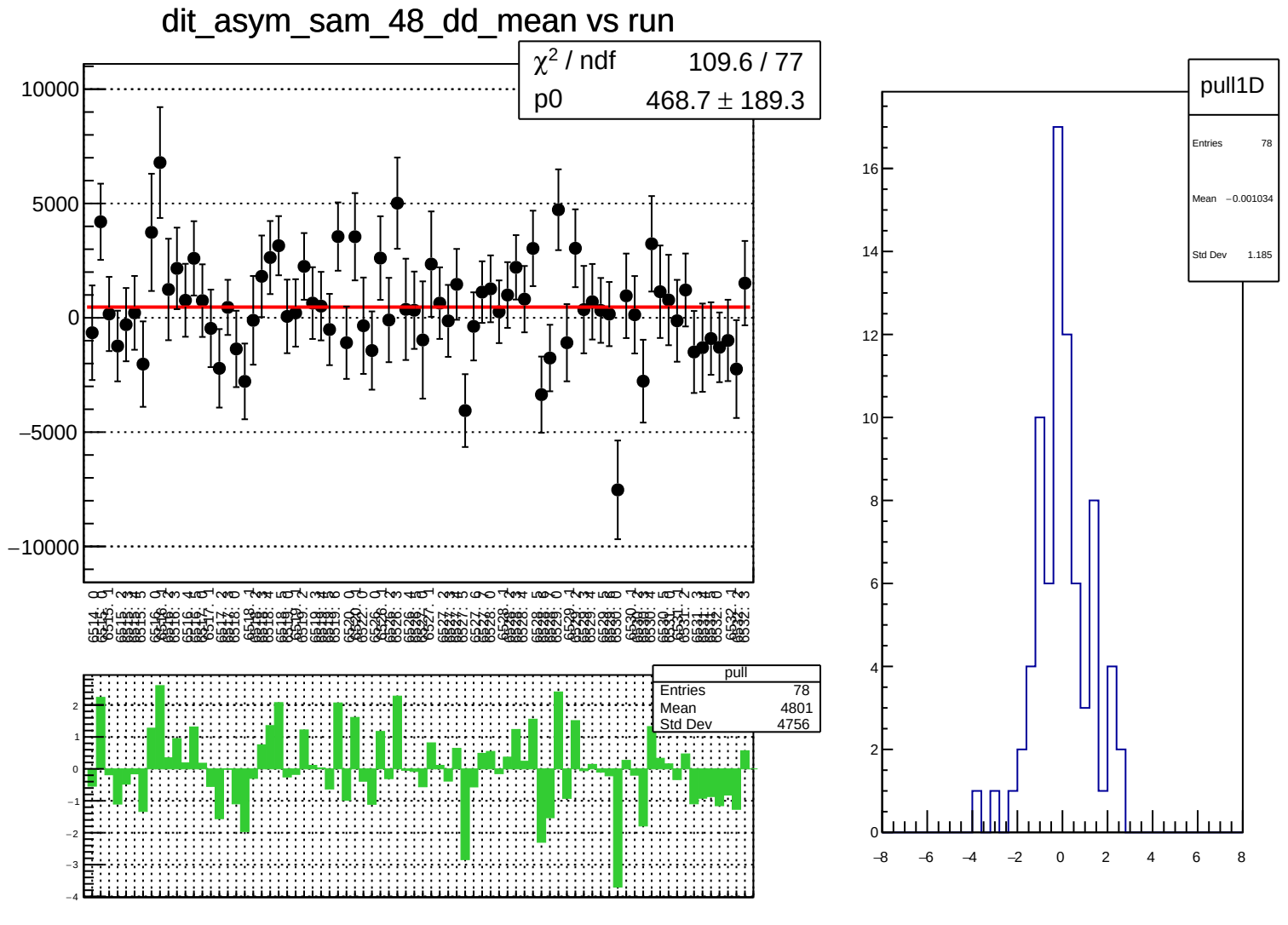

asym_sam_37_dd_correction_mean vs run
χ² / ndf 63.77 / 77
p0 −35.15 ± 575.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 1188
Std Dev 1148
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.004037
Std Dev 0.9042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_correction_rms vs run

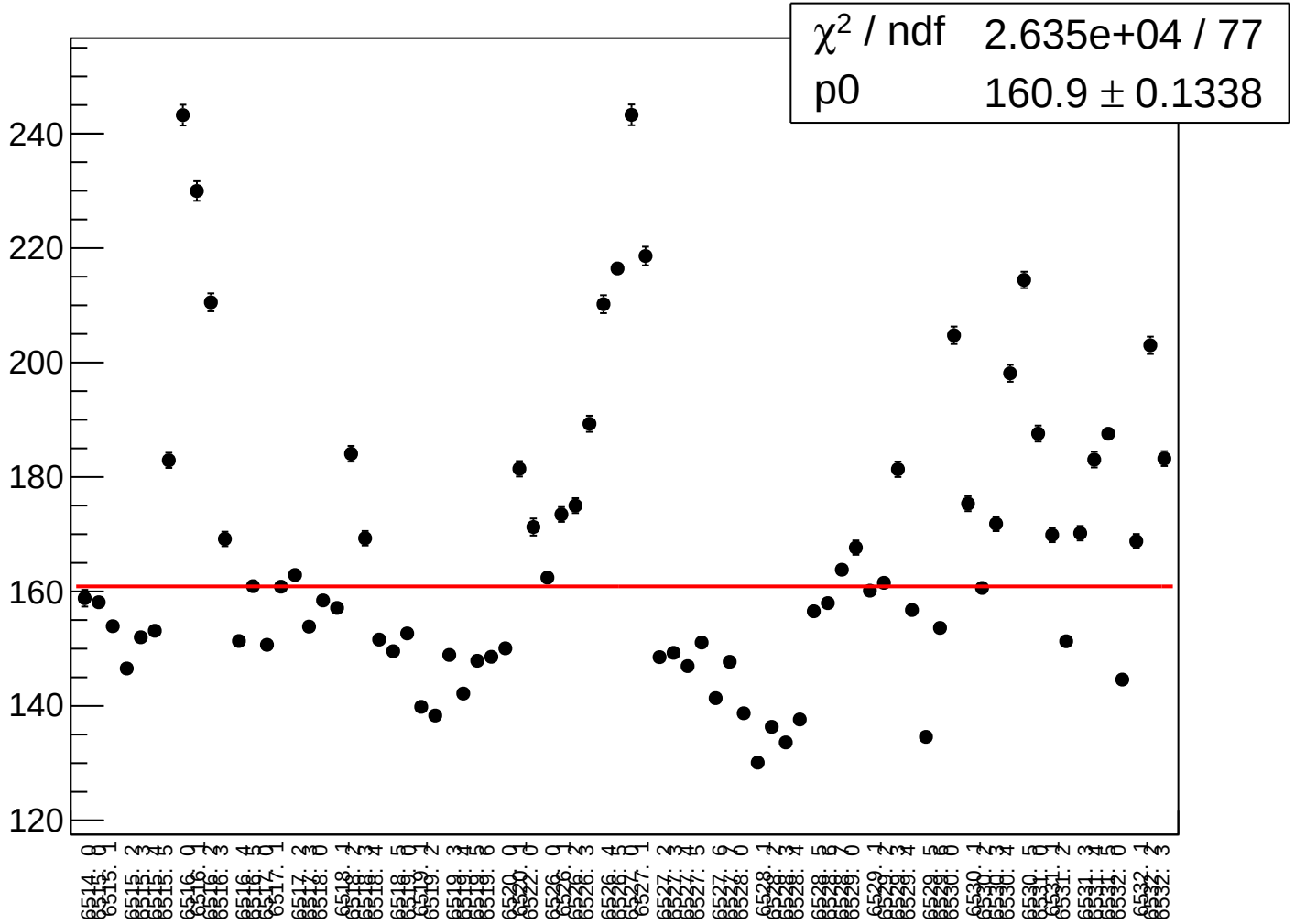


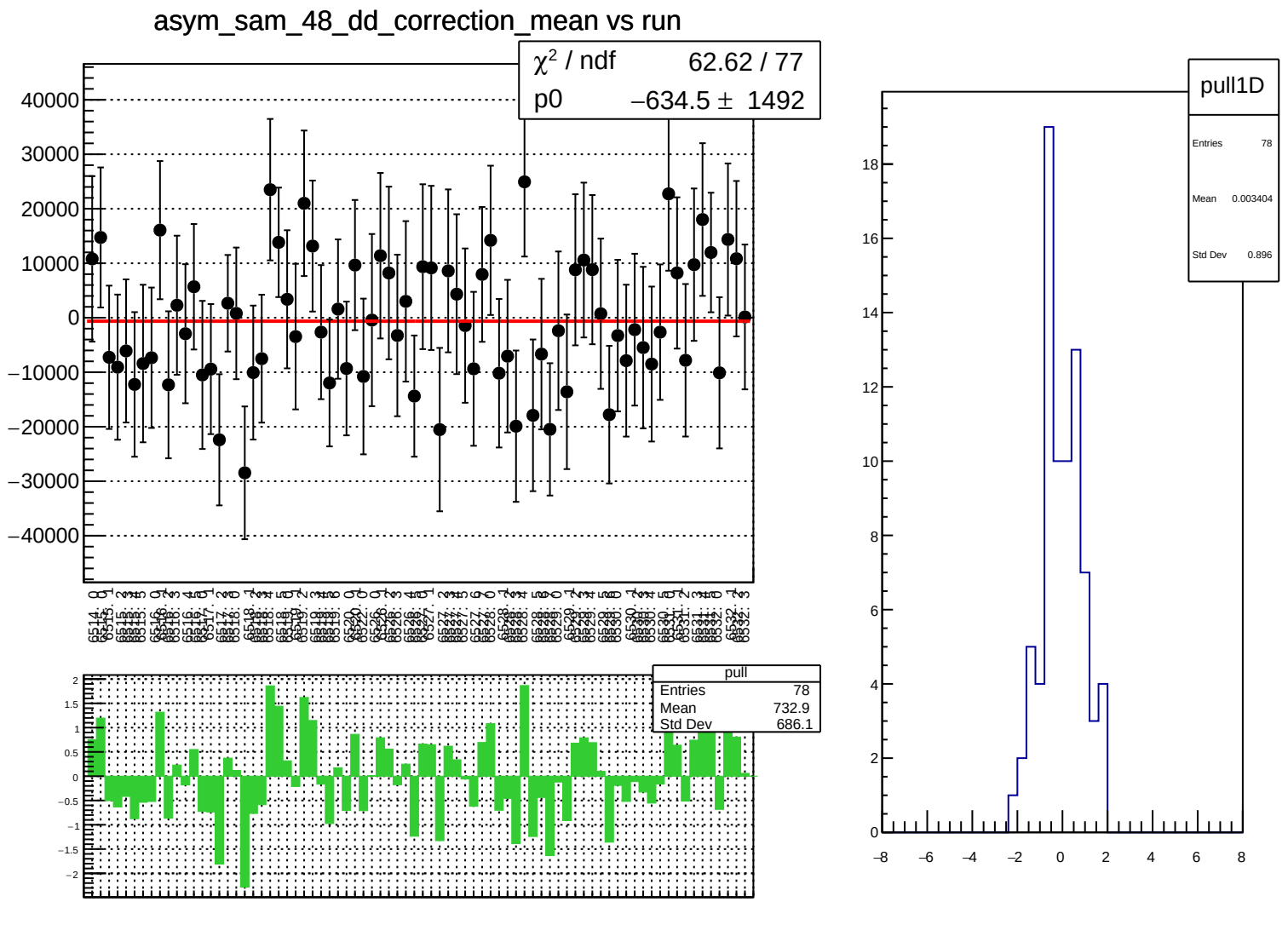

asym_sam_37_dd_mean vs run
χ^2 / ndf 61.03 / 77
p0 82.34 ± 553.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 565.3
Std Dev 523.6
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.007521
Std Dev 0.8845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_rms vs run
χ² / ndf 5.28e+04 / 77
p0 466.1 ± 0.3914
650
600
550
500
450
400
350
300

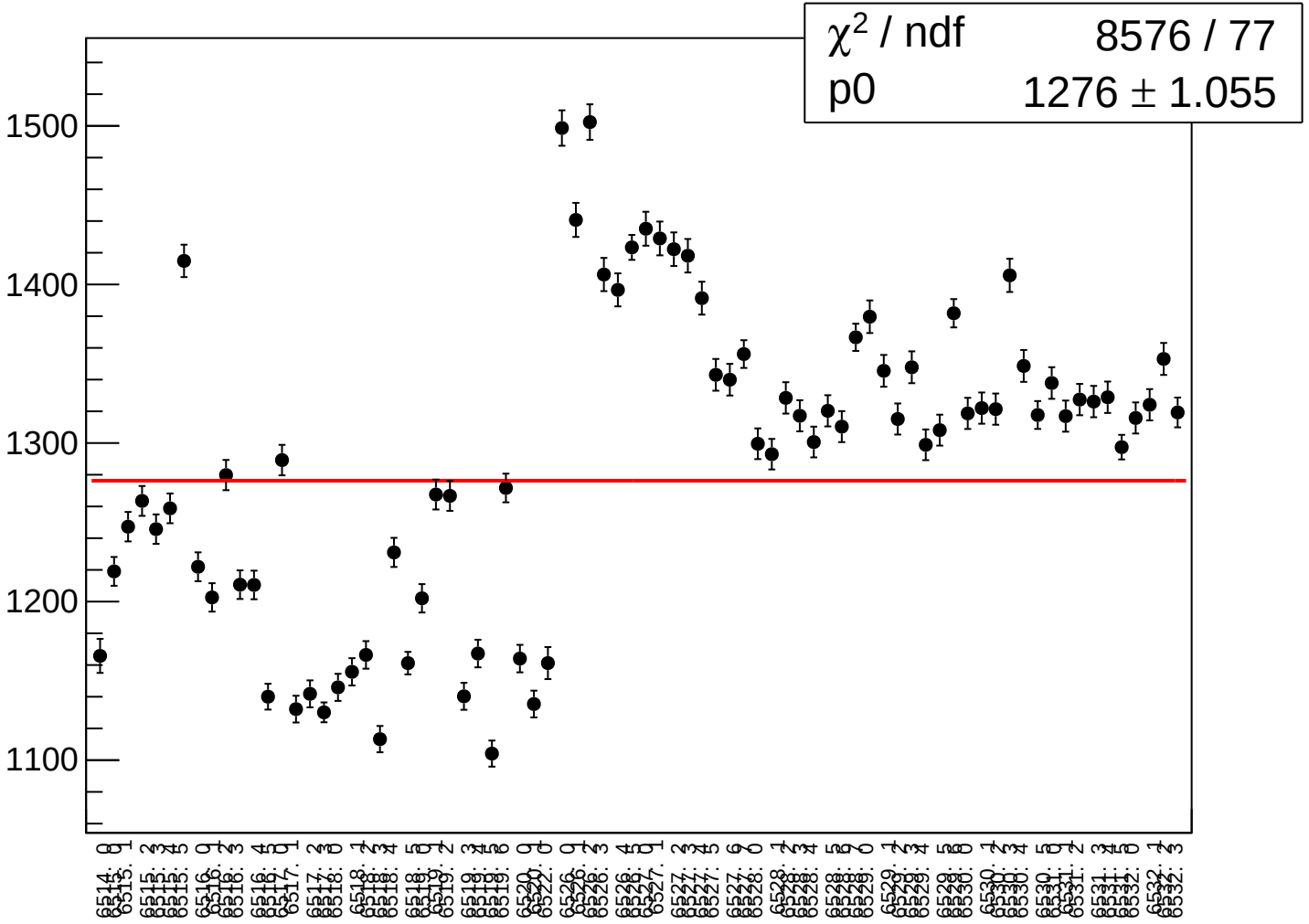

dit_asym_sam_48_dd_mean vs run
χ² / ndf 109.6 / 77
p0 468.7 ± 189.3
pull
Entries 78
Mean 4801
Std Dev 4756
pull1D
Entries 78
Mean −0.001034
Std Dev 1.185

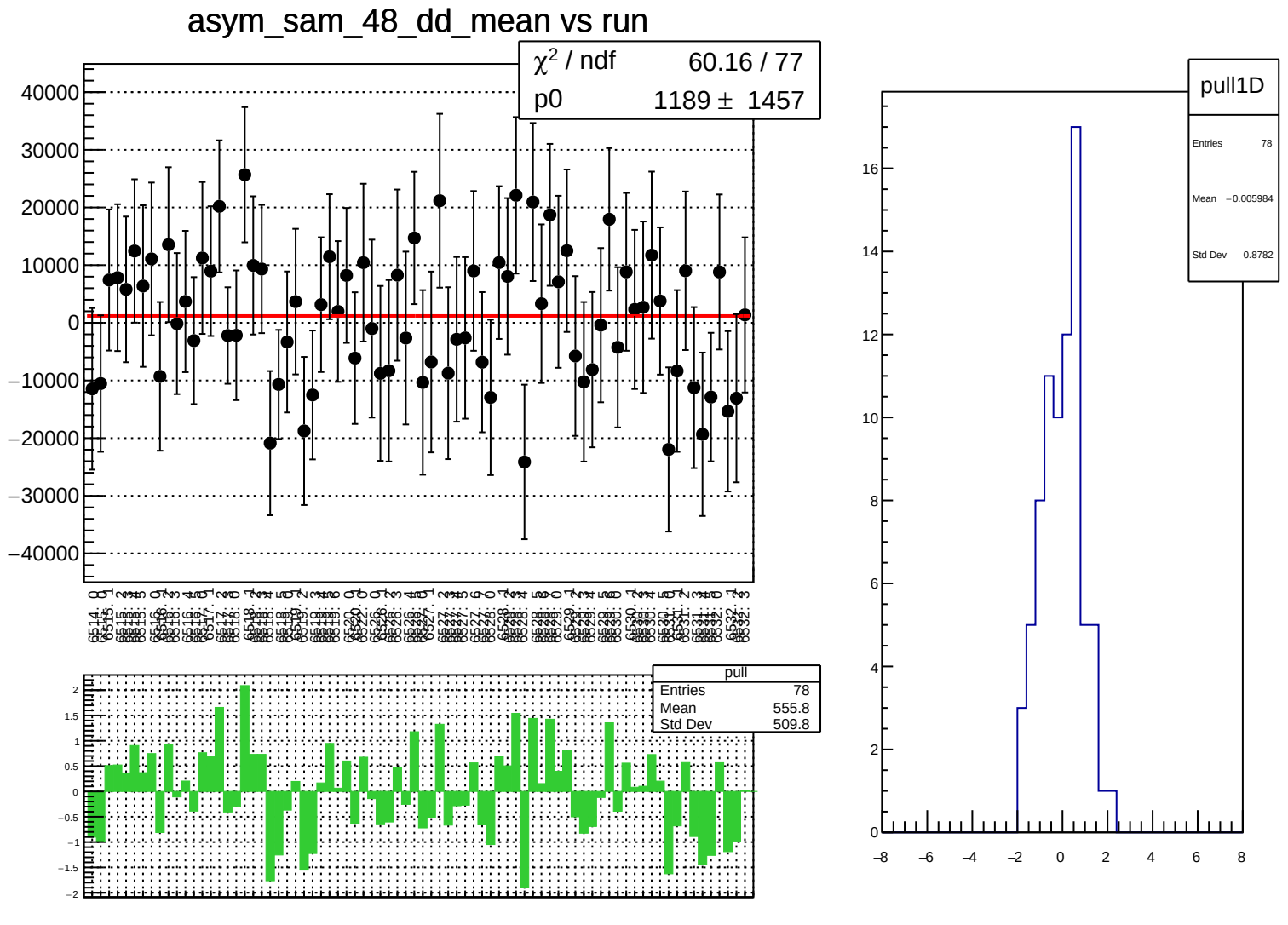
dit_asym_sam_48_dd_rms vs run

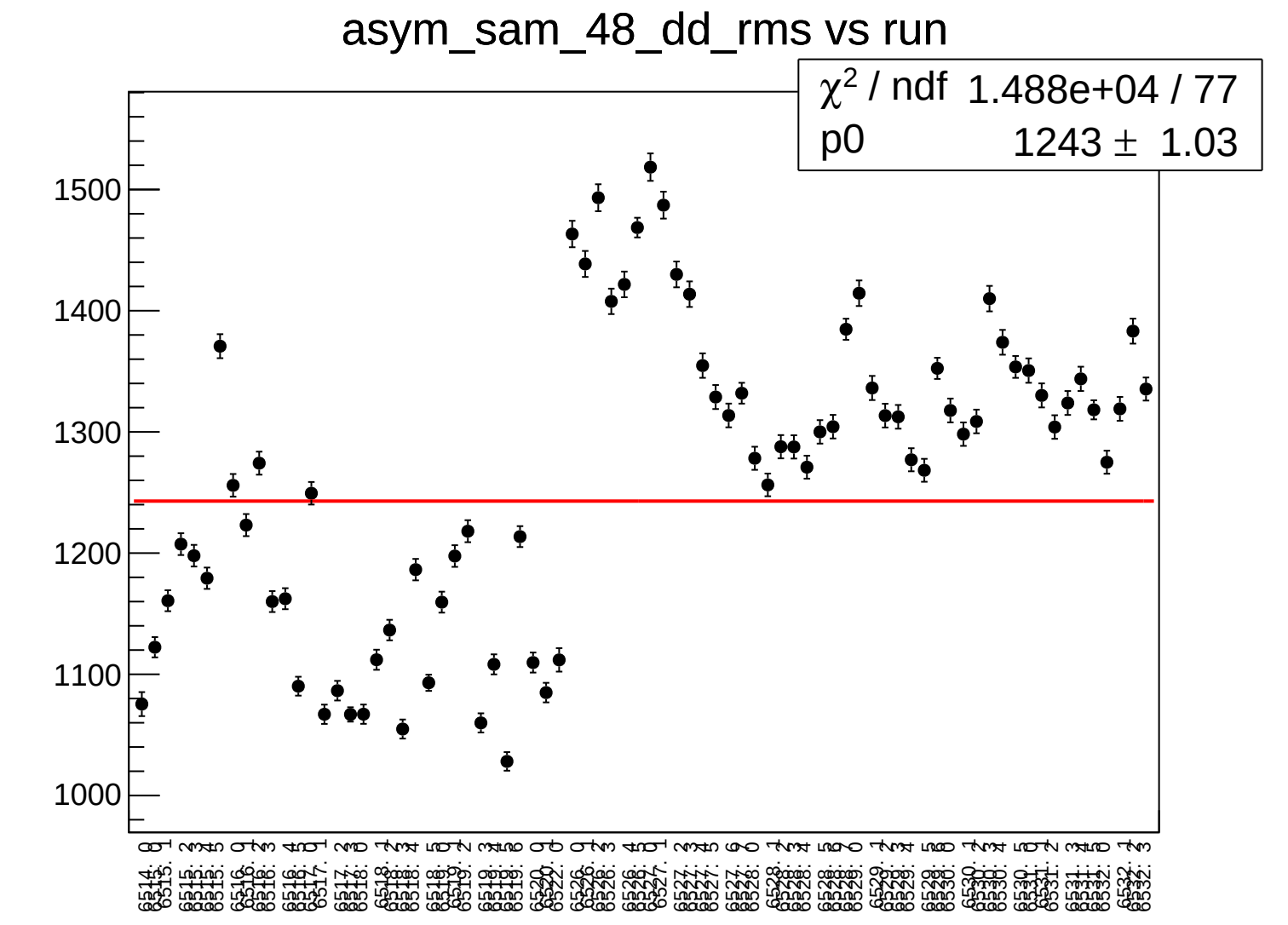


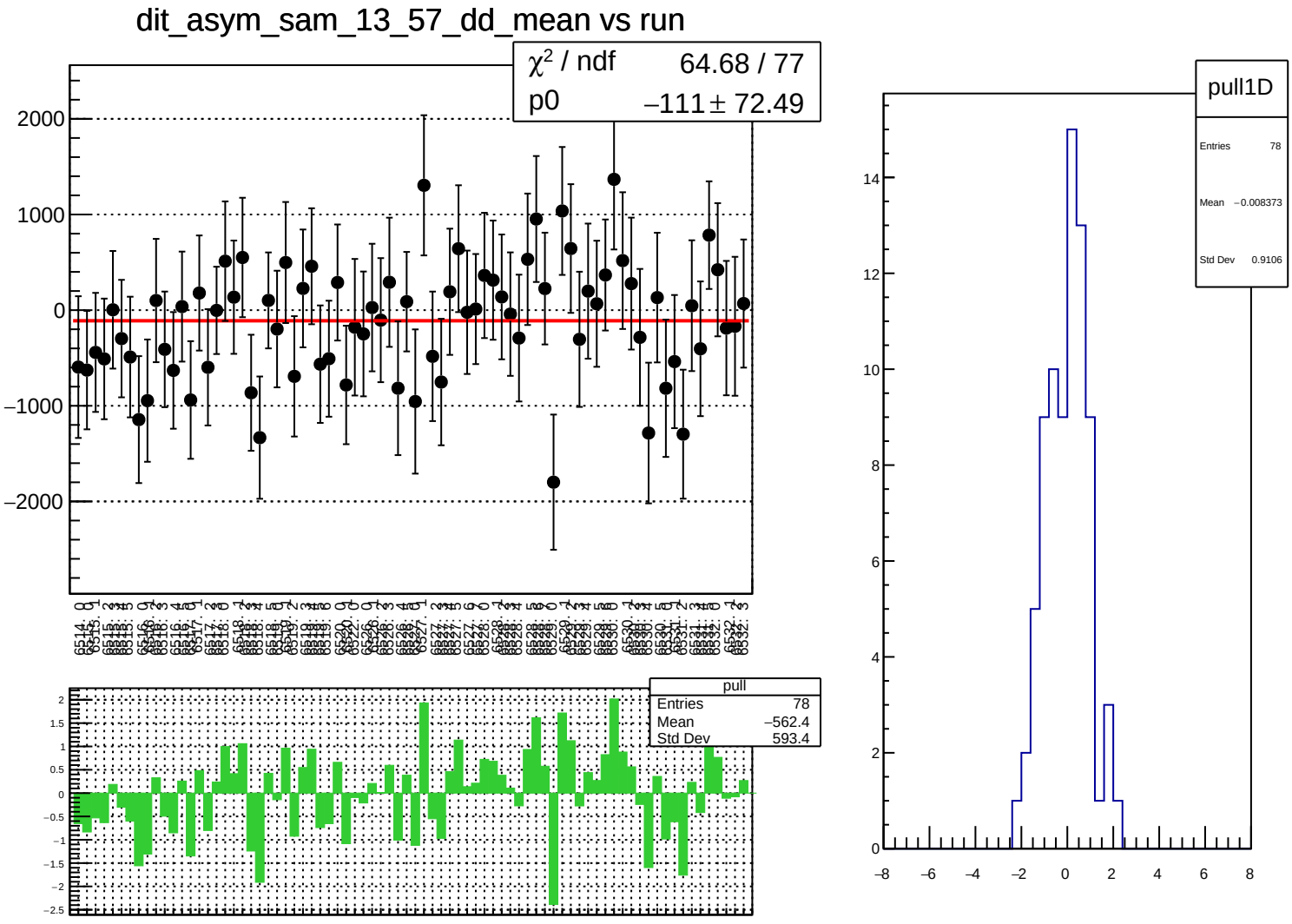

asym_sam_48_dd_correction_mean vs run
χ² / ndf 62.62 / 77
p0 −634.5 ± 1492
pull
Entries 78
Mean 732.9
Std Dev 686.1
pull1D
Entries 78
Mean 0.003404
Std Dev 0.896

asym_sam_48_dd_correction_rms vs run

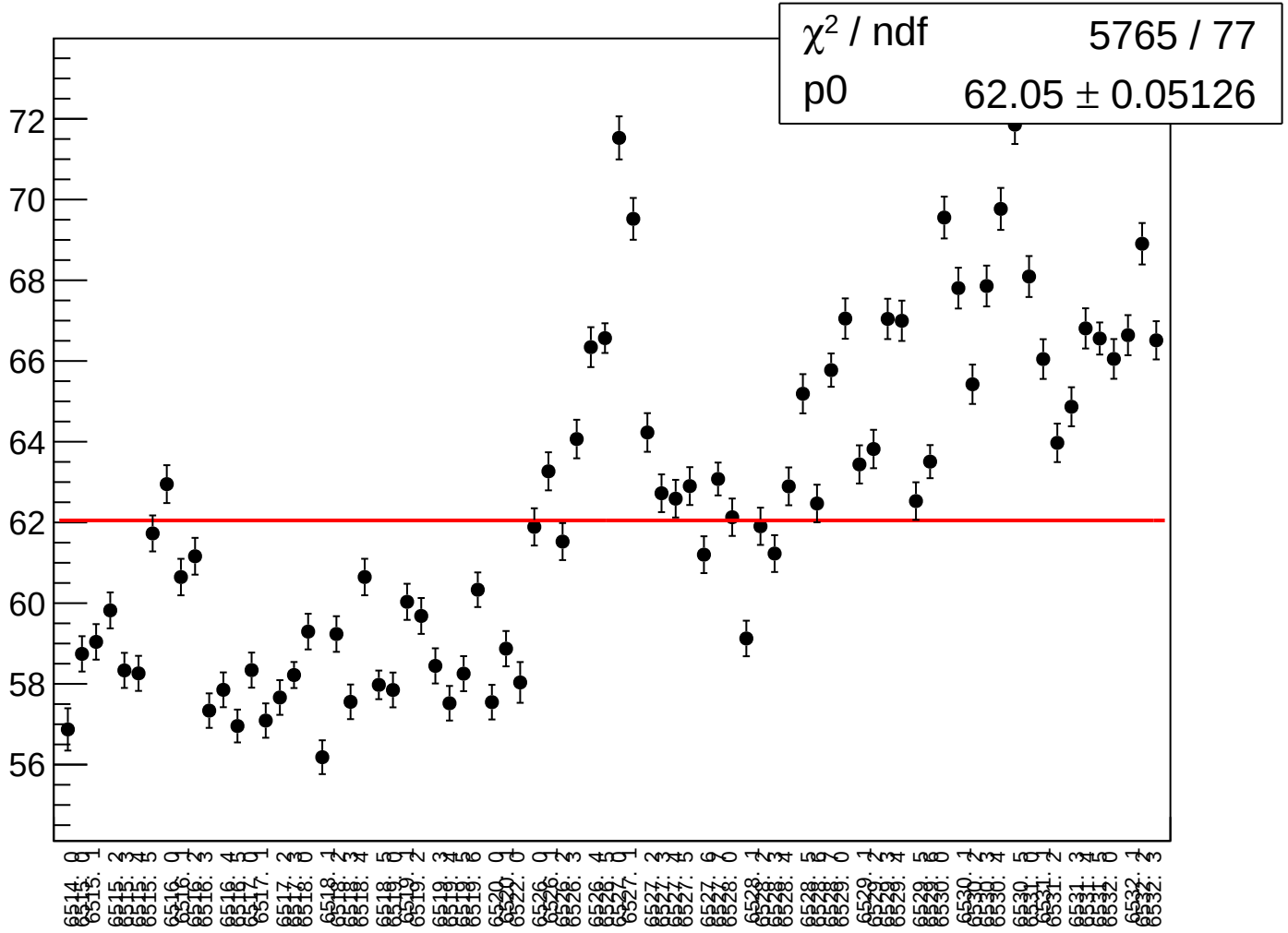


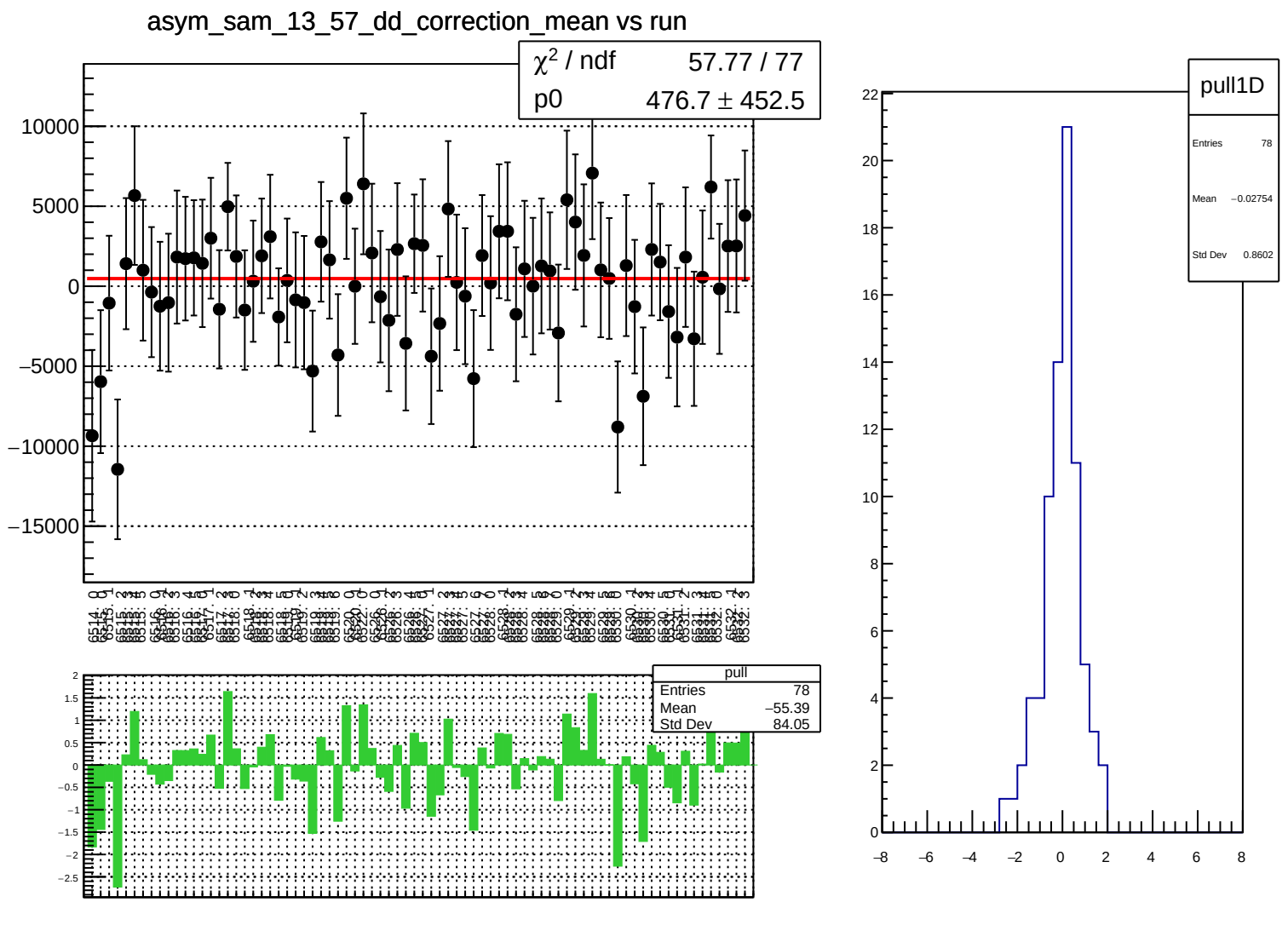

asym_sam_48_dd_mean vs run
χ^2 / ndf 60.16 / 77
p0 1189 ± 1457
pull
Entries 78
Mean 555.8
Std Dev 509.8
pull1D
Entries 78
Mean −0.005984
Std Dev 0.8782

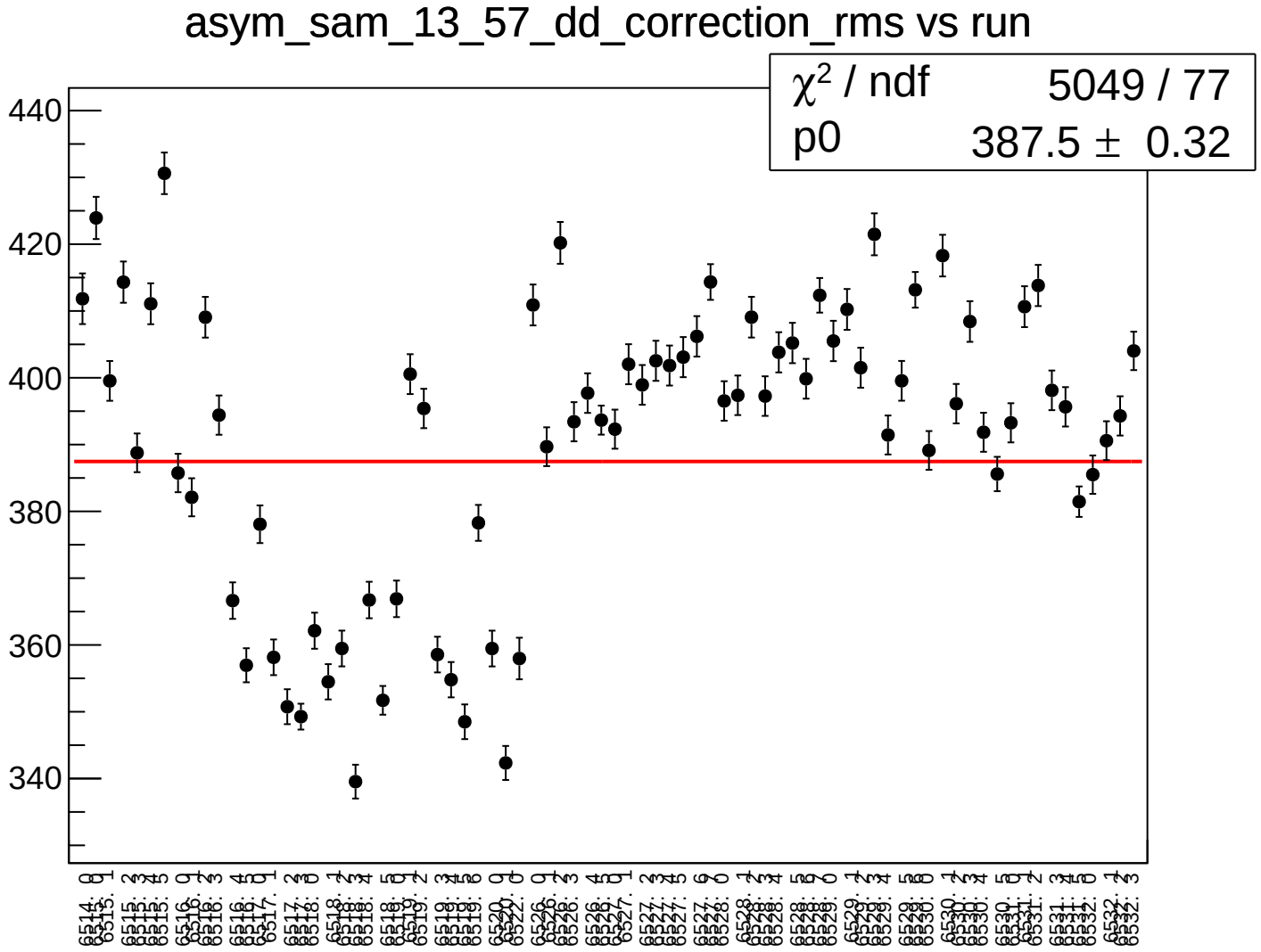

asym_sam_48_dd_rms vs run
χ2 / ndf 1.488e+04 / 77
p0 1243 ± 1.03
1500
1400
1300
1200
1100
1000

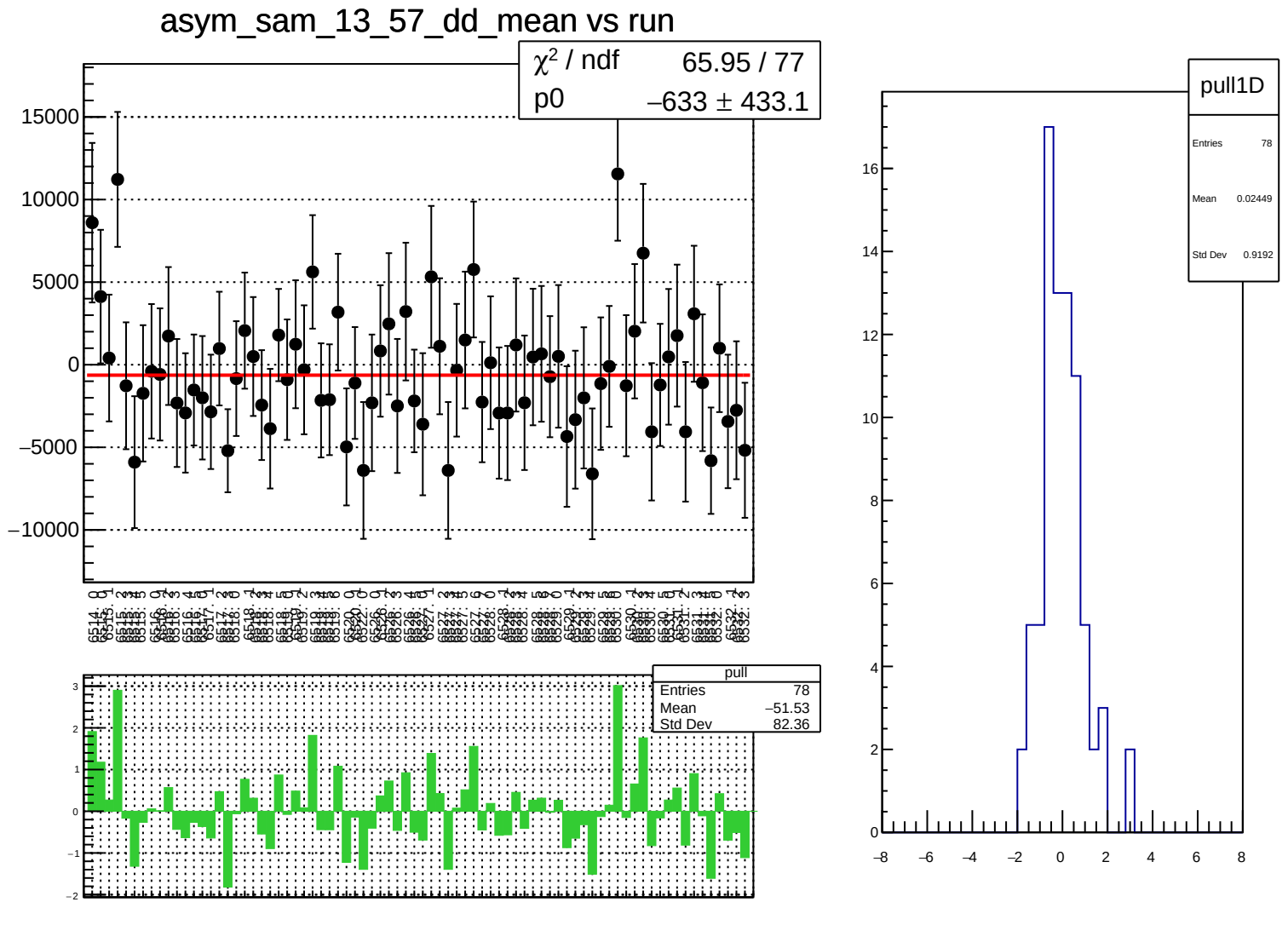

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 64.68 / 77
p0 −111 ± 72.49
pull
Entries 78
Mean −562.4
Std Dev 593.4
pull1D
Entries 78
Mean −0.008373
Std Dev 0.9106

dit_asym_sam_13_57_dd_rms vs run

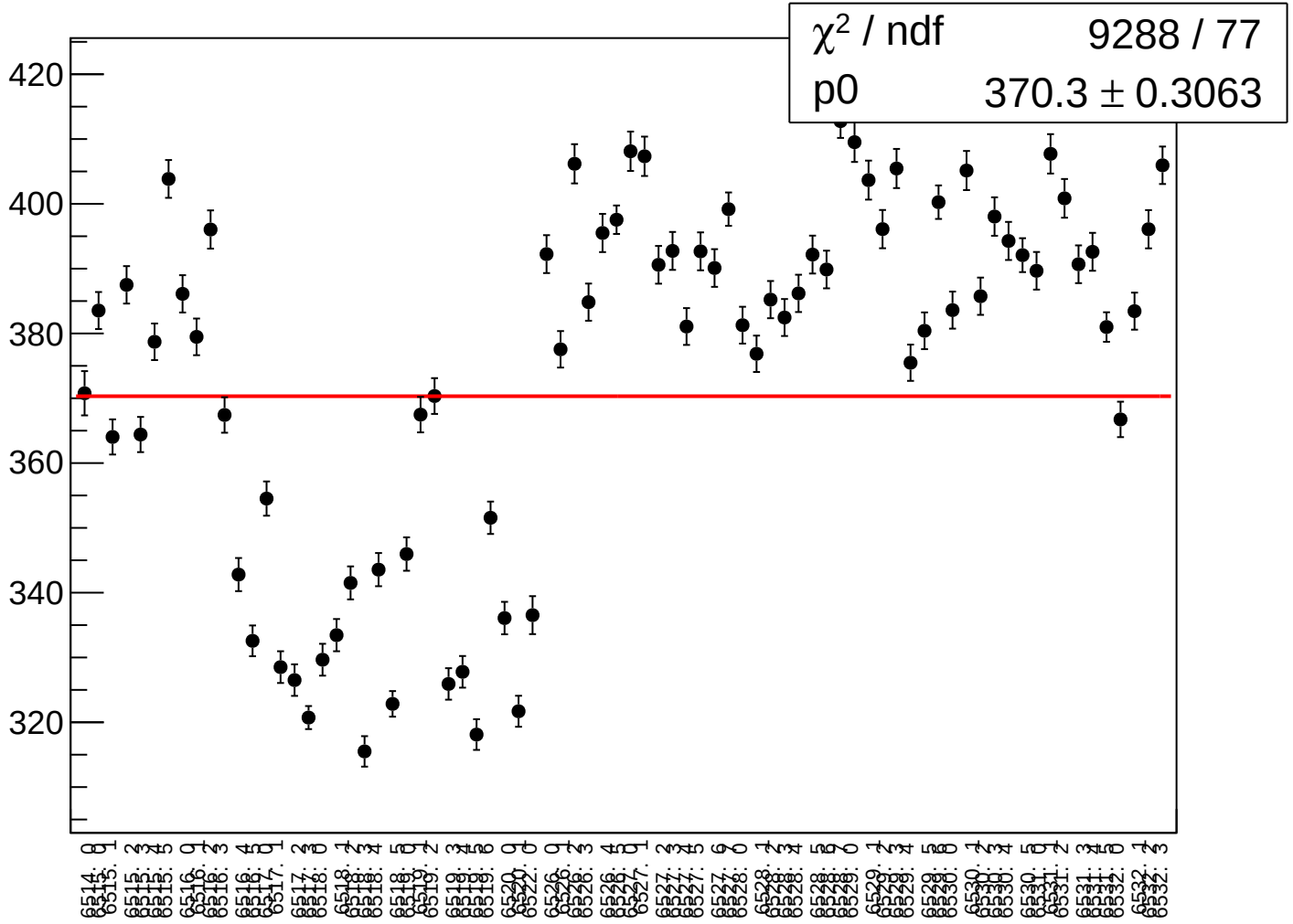


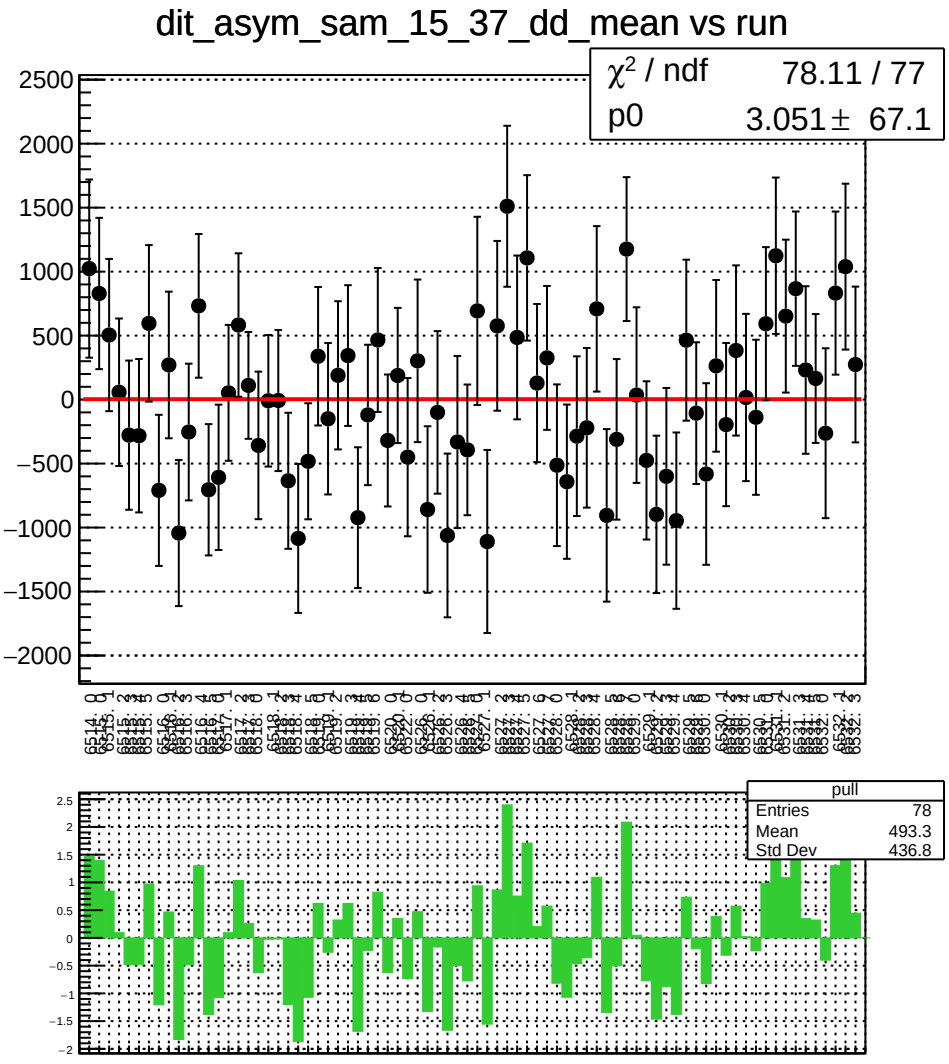

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 57.77 / 77
p0 476.7 ± 452.5
pull
Entries 78
Mean −55.39
Std Dev 84.05
pull1D
Entries 78
Mean −0.02754
Std Dev 0.8602

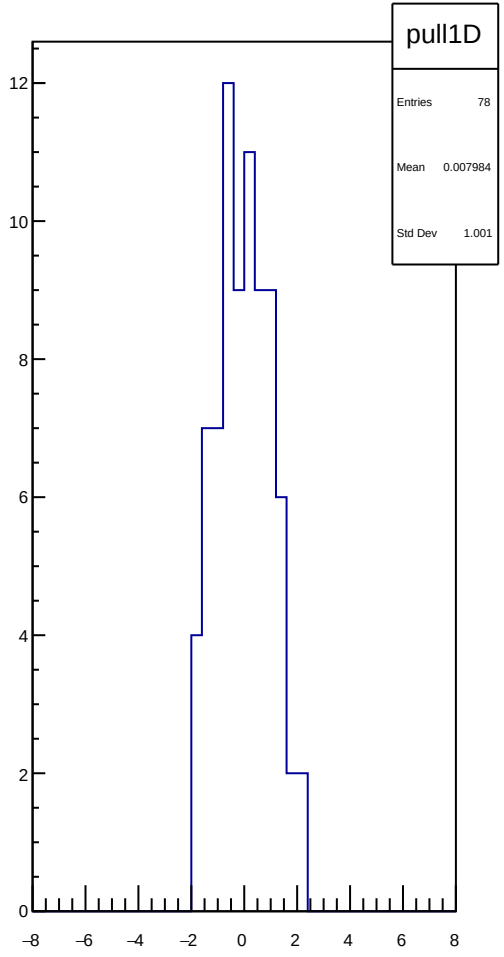

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 5049 / 77
p0 387.5 ± 0.32
440
420
400
380
360
340


asym_sam_13_57_dd_mean vs run
χ² / ndf 65.95 / 77
p0 −633 ± 433.1
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −51.53
Std Dev 82.36
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.02449
Std Dev 0.9192
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

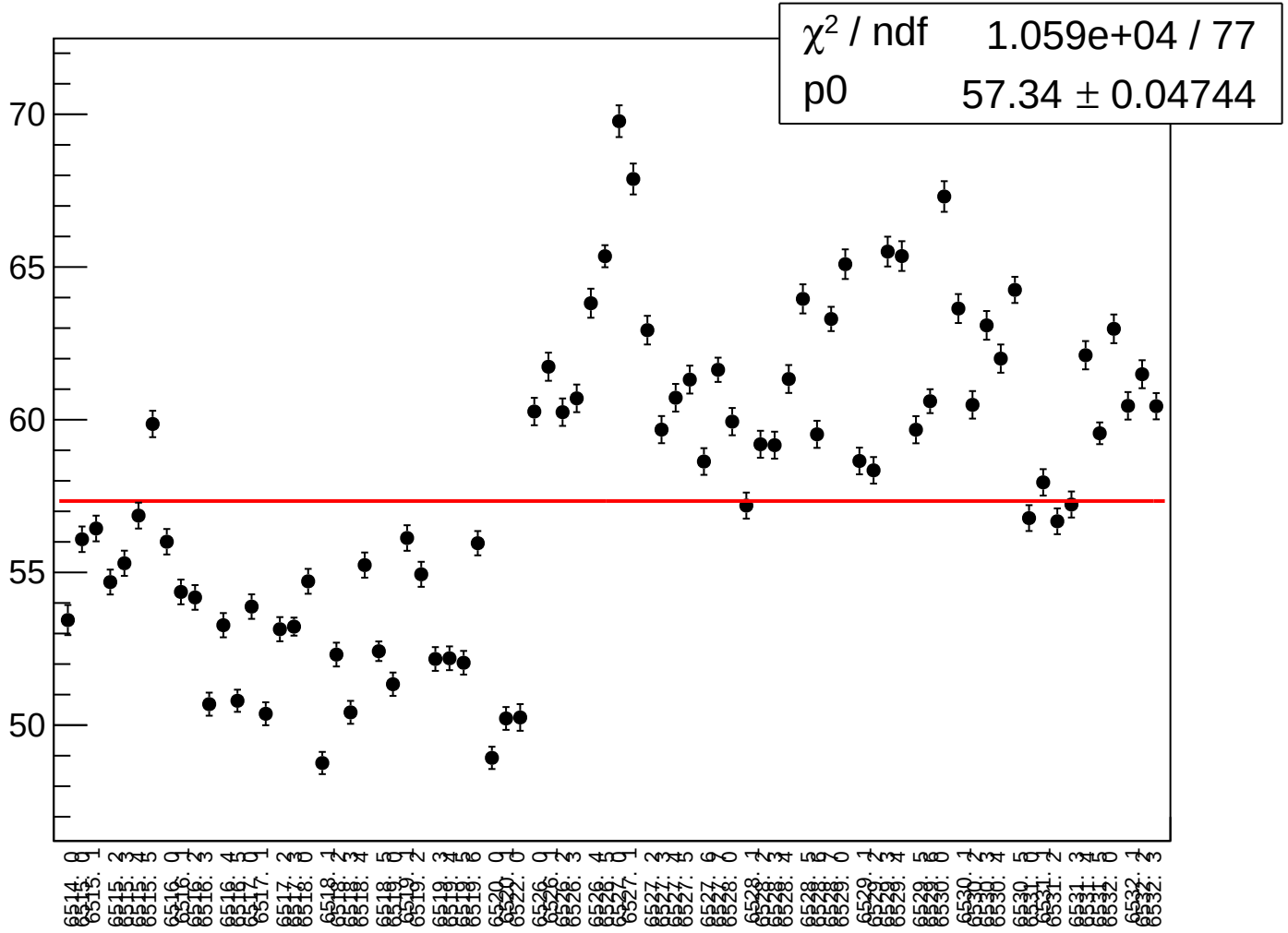
asym_sam_13_57_dd_rms vs run

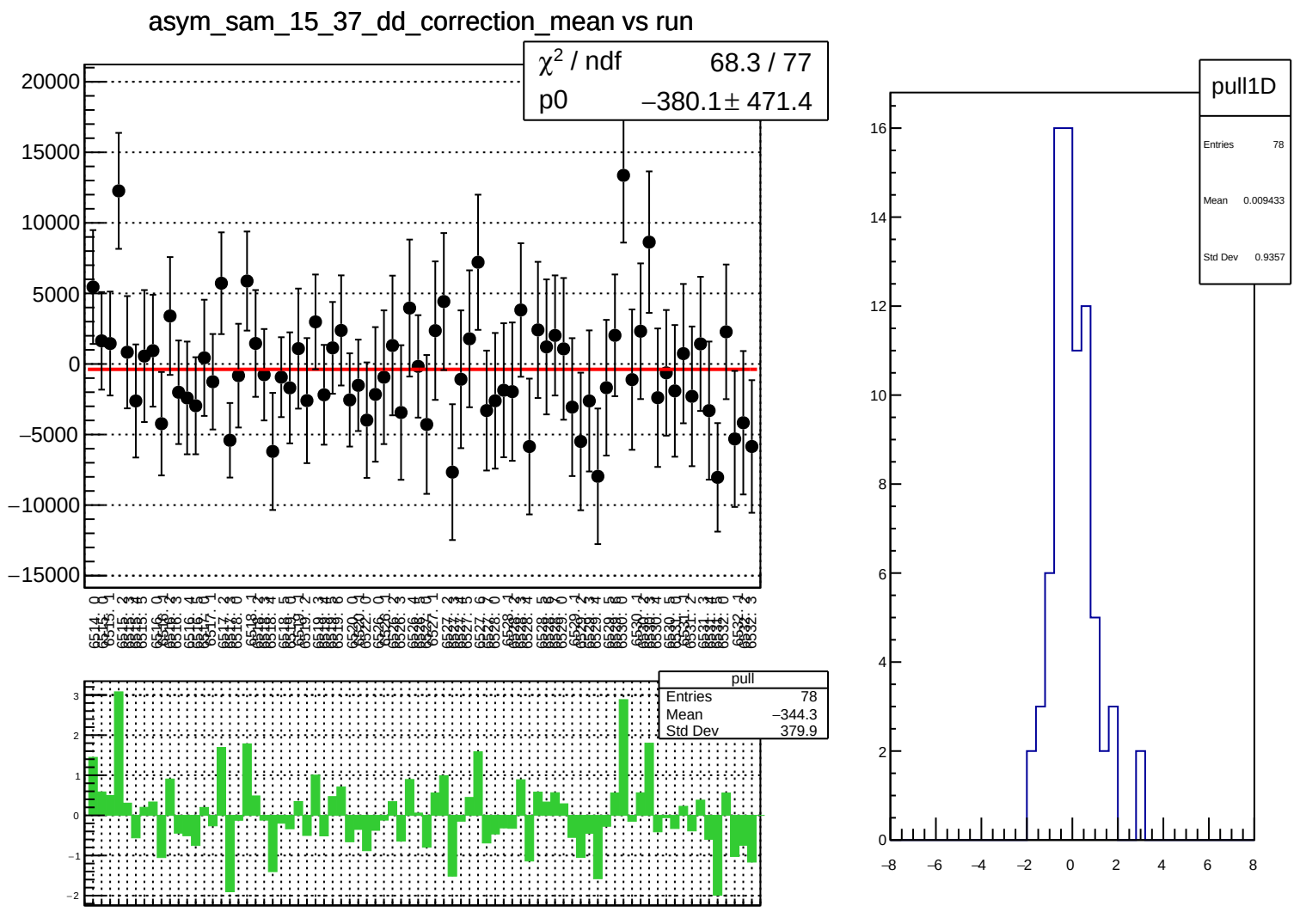


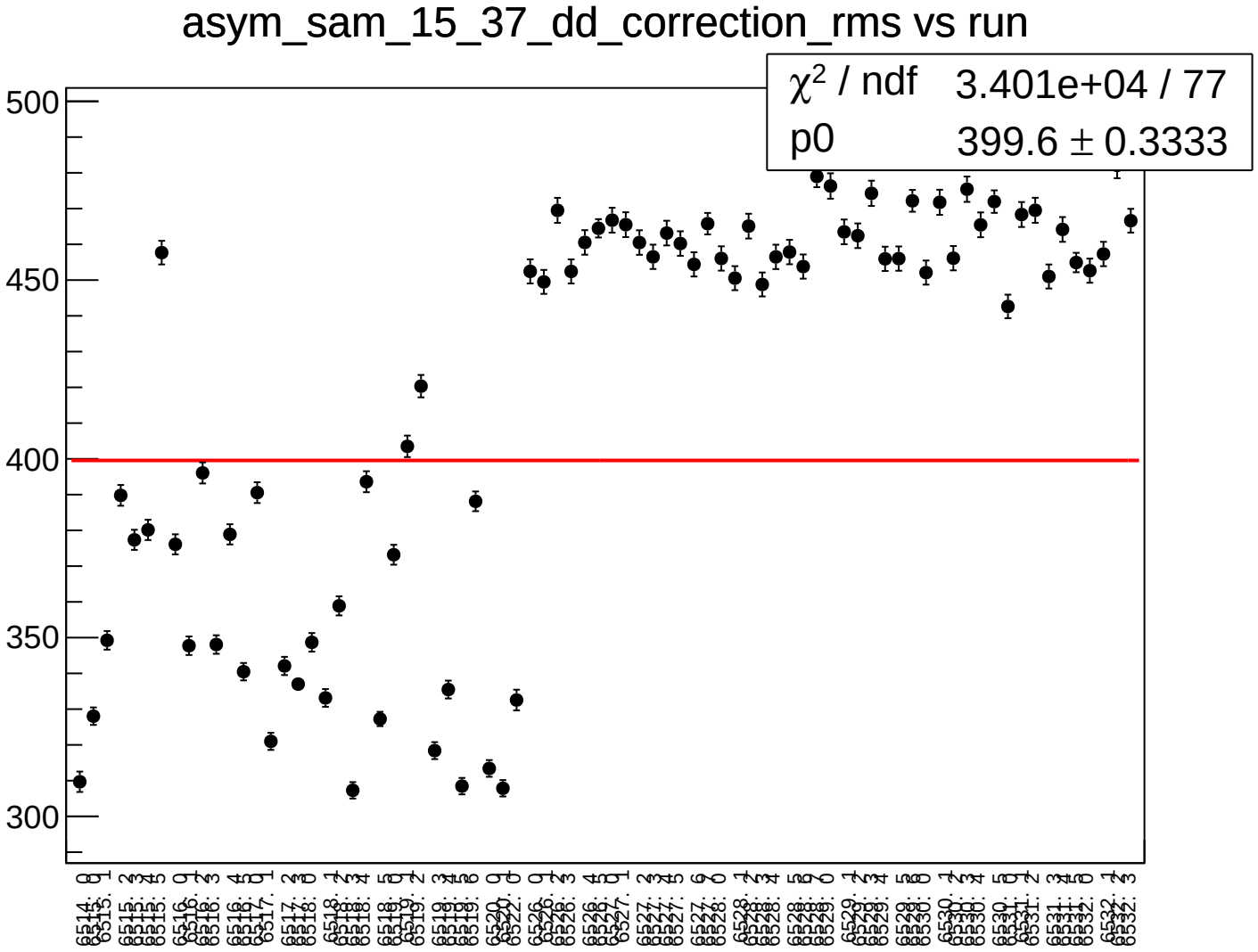

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 78.11 / 77
p0 3.051 ± 67.1
pull
Entries 78
Mean 493.3
Std Dev 436.8

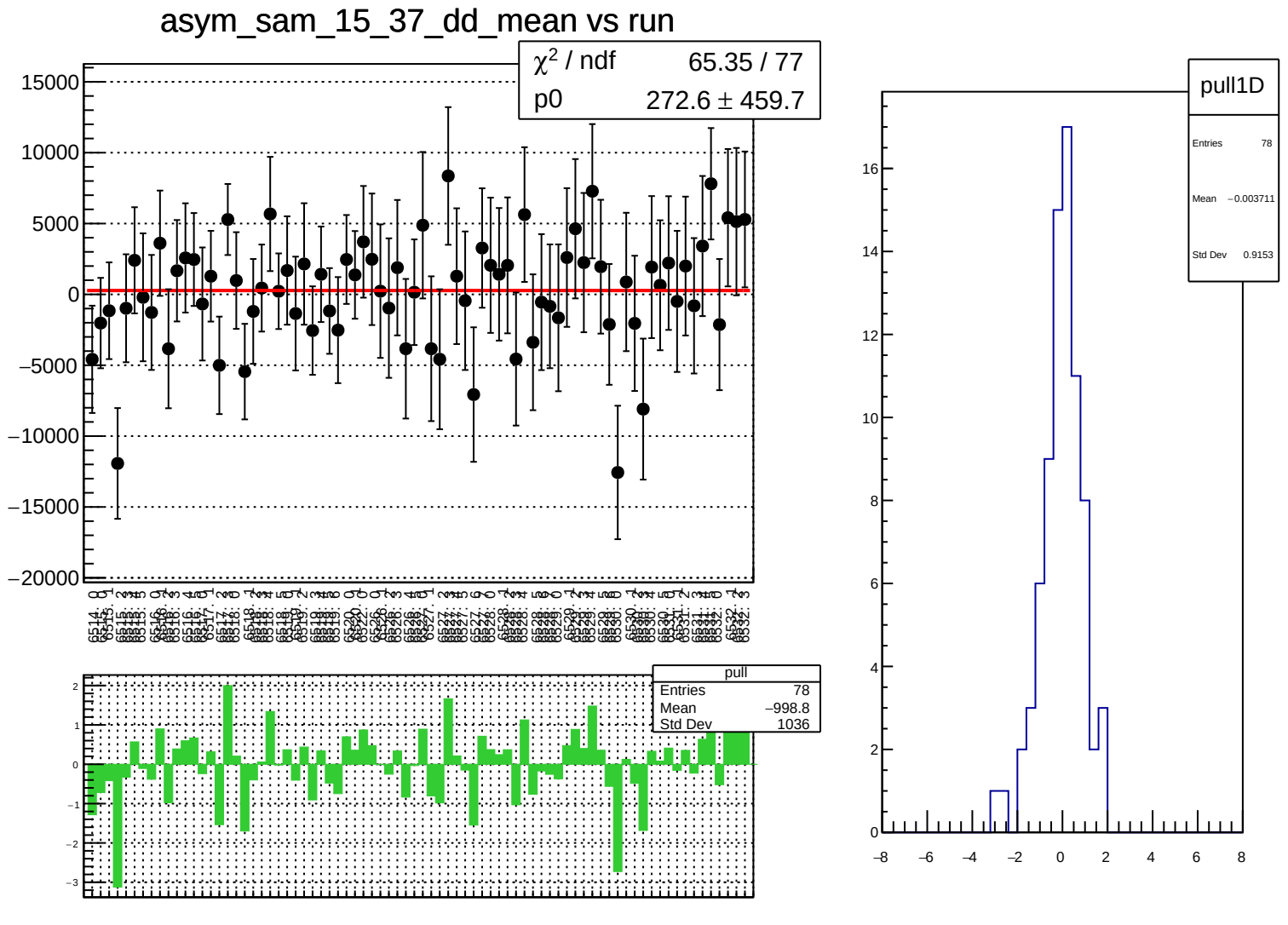

pull1D
Entries 78
Mean 0.007984
Std Dev 1.001

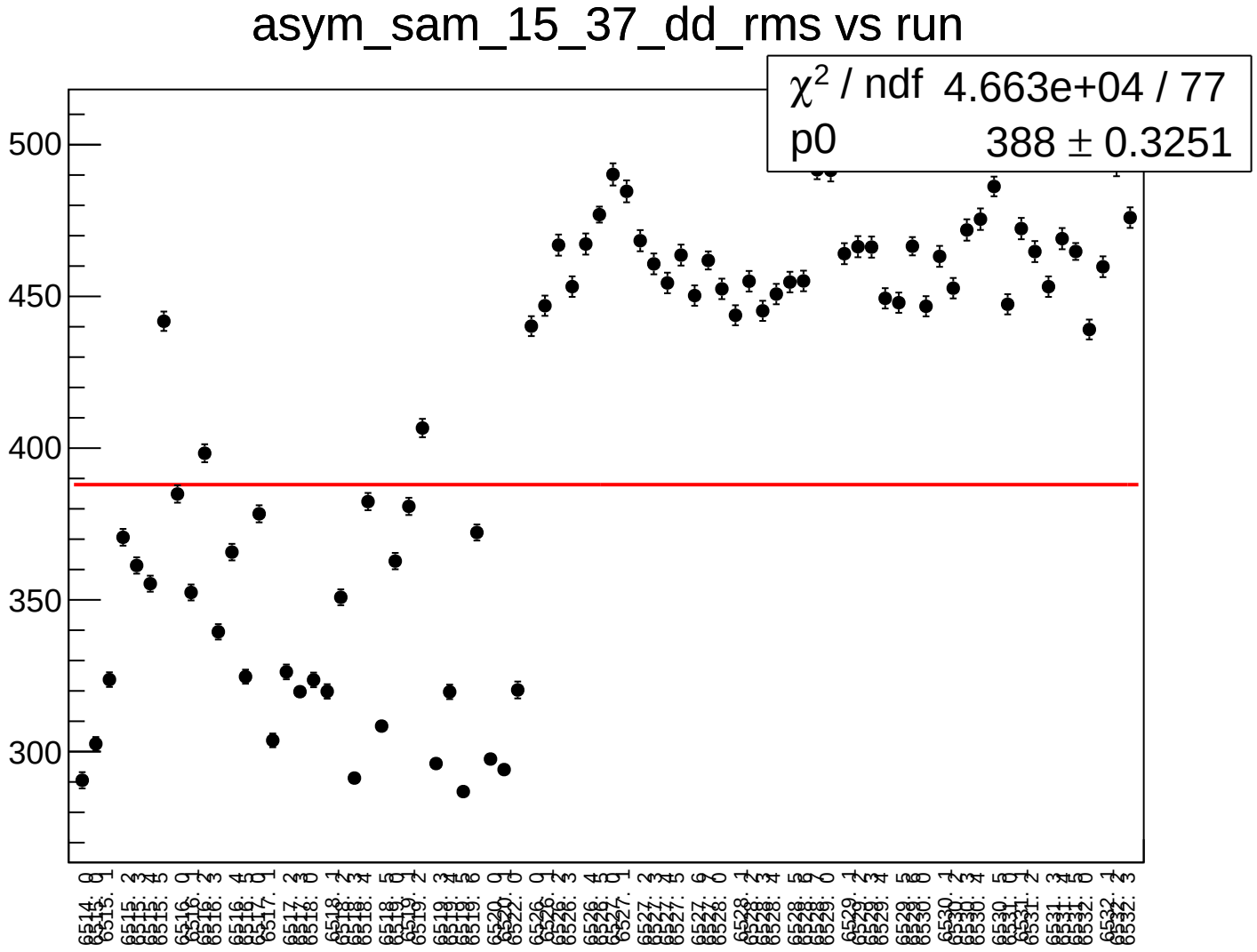
dit_asym_sam_15_37_dd_rms vs run

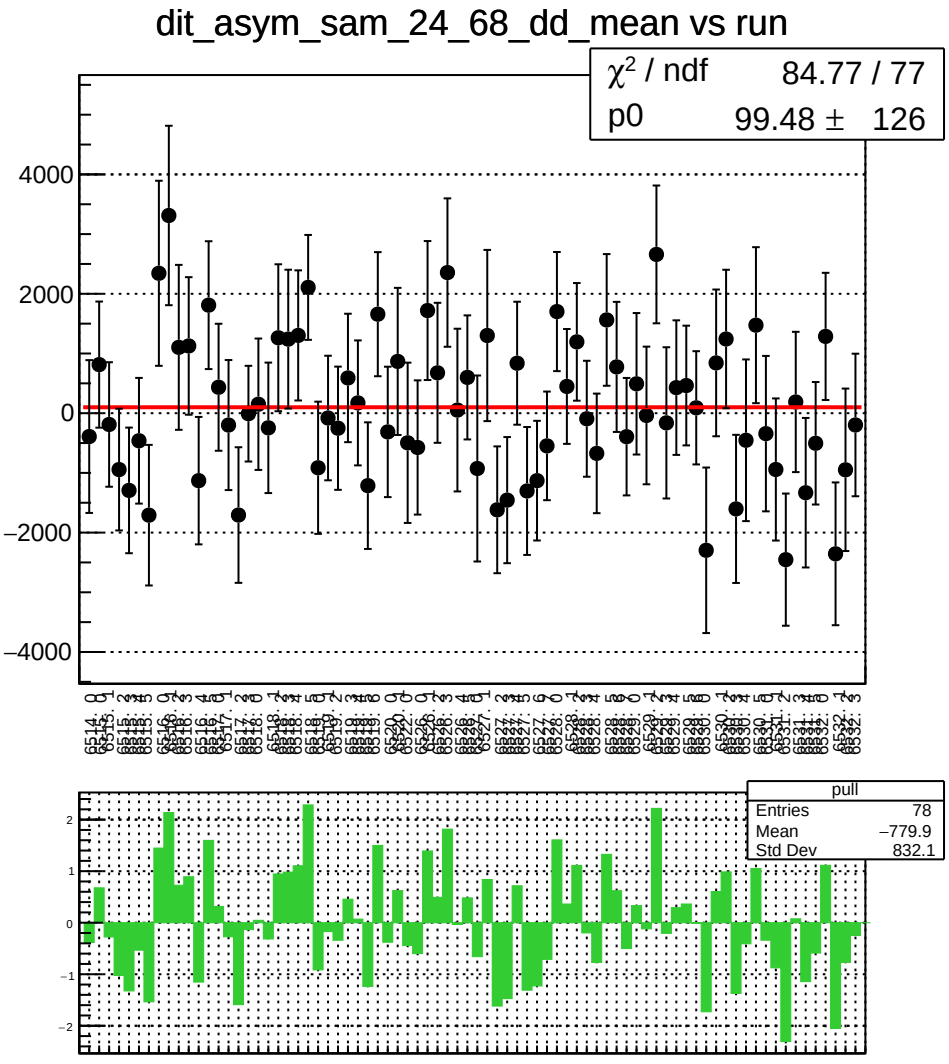


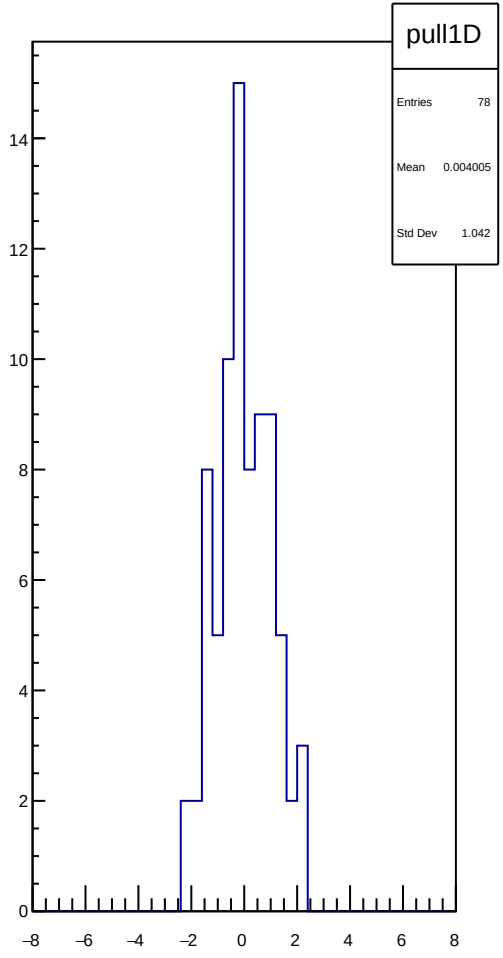

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 68.3 / 77
p0 −380.1 ± 471.4
pull
Entries 78
Mean −344.3
Std Dev 379.9
pull1D
Entries 78
Mean 0.009433
Std Dev 0.9357


asym_sam_15_37_dd_correction_rms vs run
χ^2 / ndf 3.401e+04 / 77
p0 399.6 ± 0.3333
500
450
400
350
300

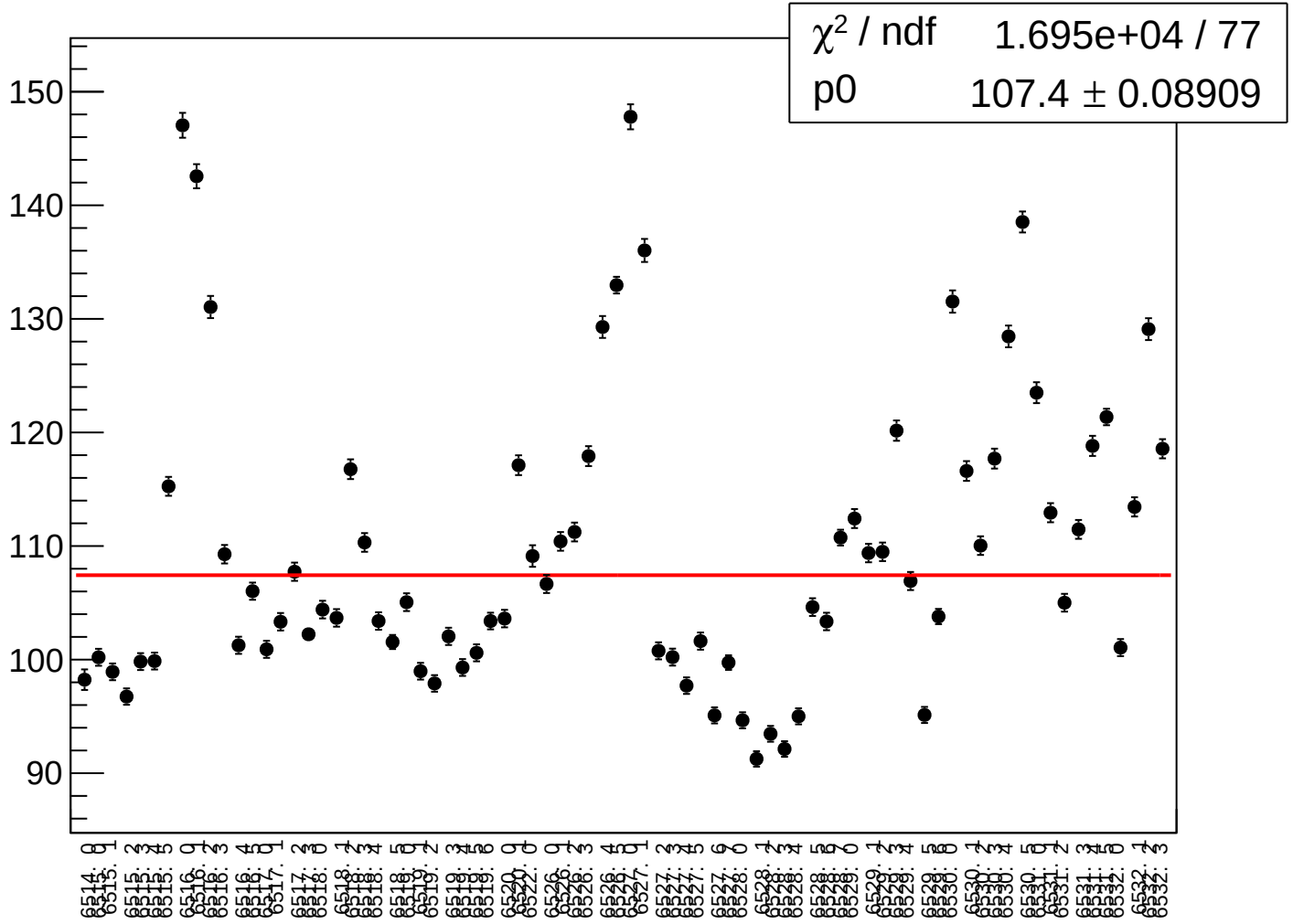

asym_sam_15_37_dd_mean vs run
χ² / ndf 65.35 / 77
p0 272.6 ± 459.7
pull
Entries 78
Mean −998.8
Std Dev 1036
pull1D
Entries 78
Mean −0.003711
Std Dev 0.9153

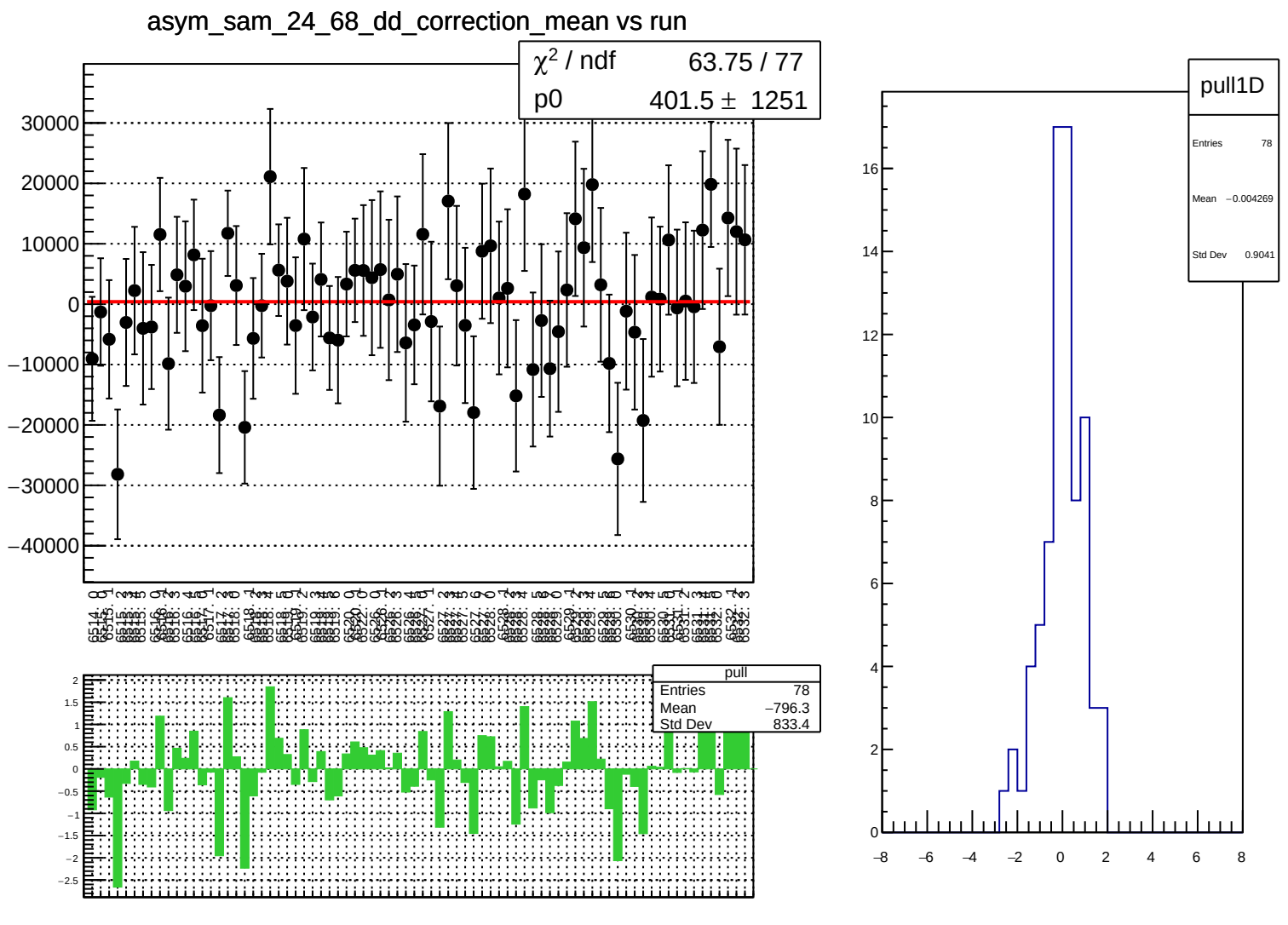

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4.663e+04 / 77
p0 388 ± 0.3251
500
450
400
350
300


dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 84.77 / 77
p0 99.48 ± 126
4000
2000
0
−2000
−4000
pull
Entries 78
Mean −779.9
Std Dev 832.1
2
1
0
−1
−2

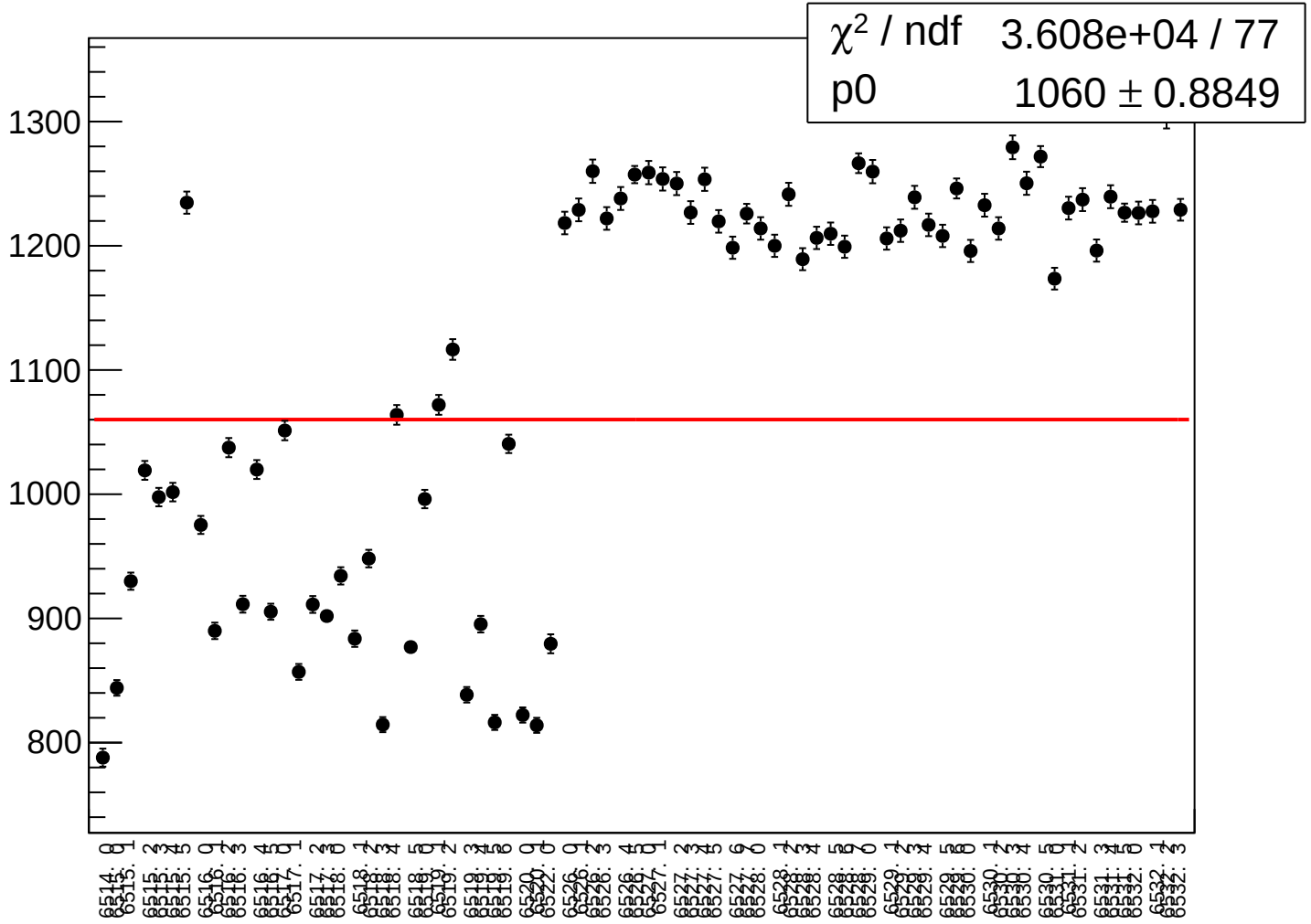

pull1D
Entries 78
Mean 0.004005
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

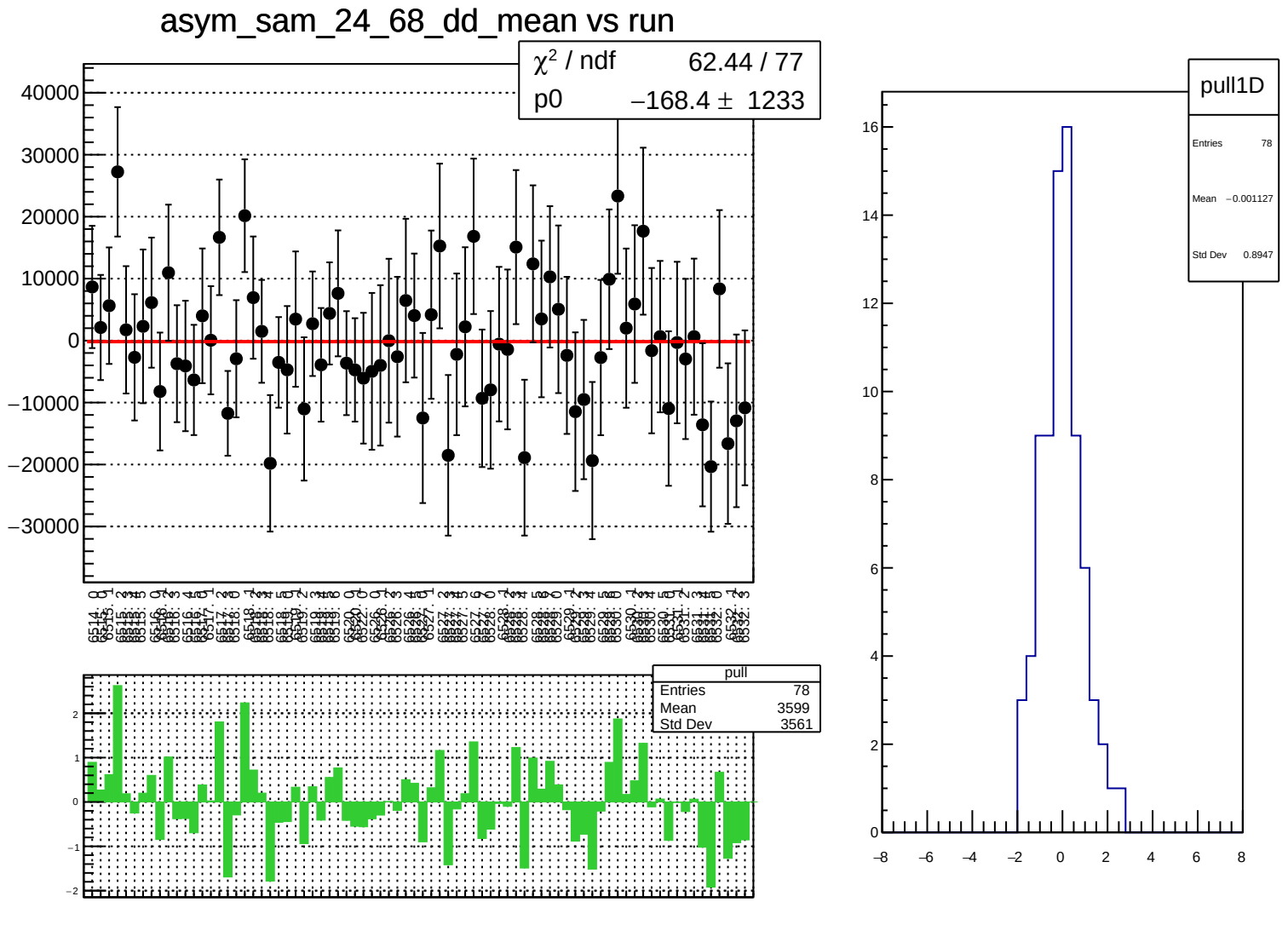
dit_asym_sam_24_68_dd_rms vs run

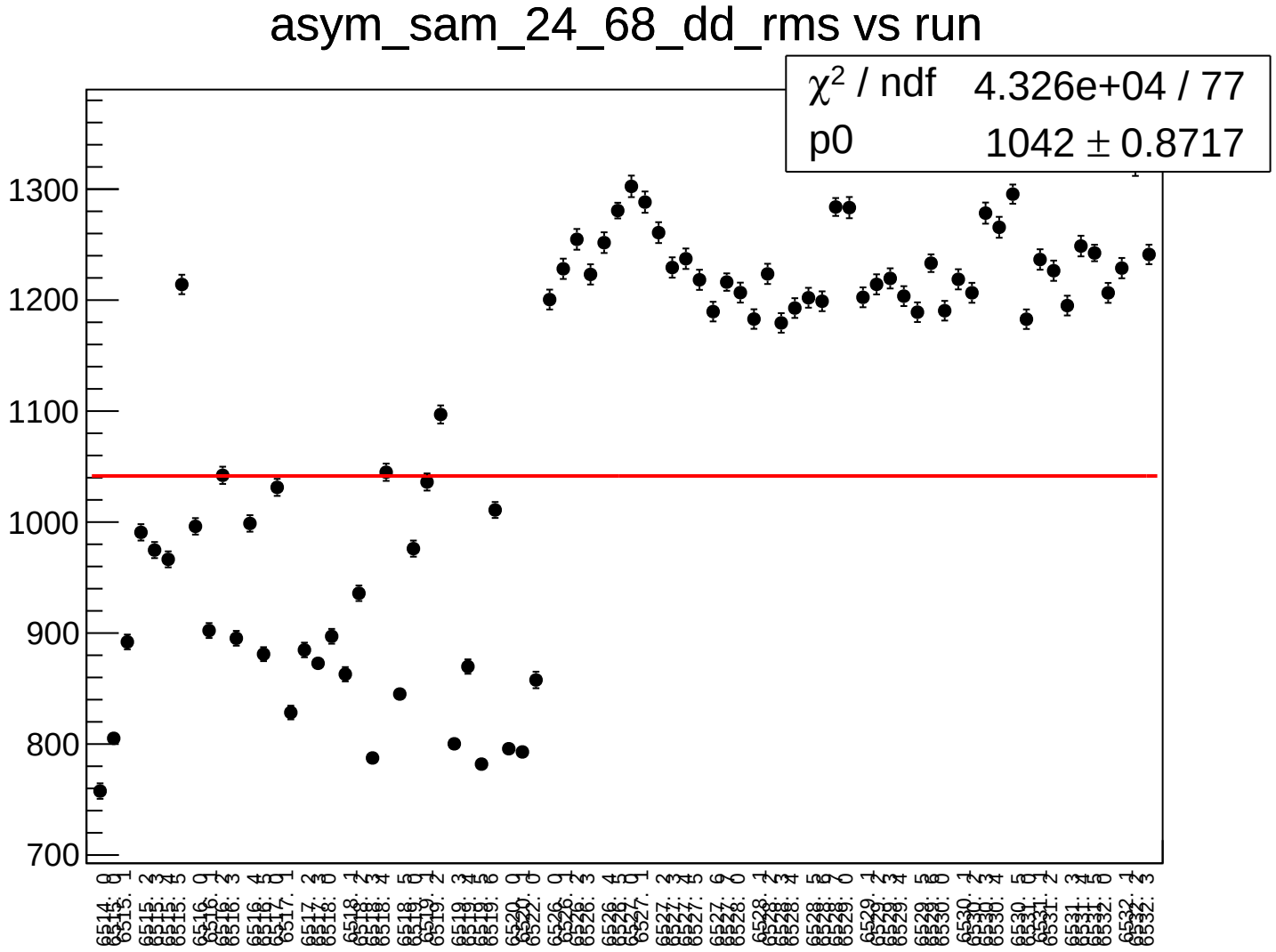


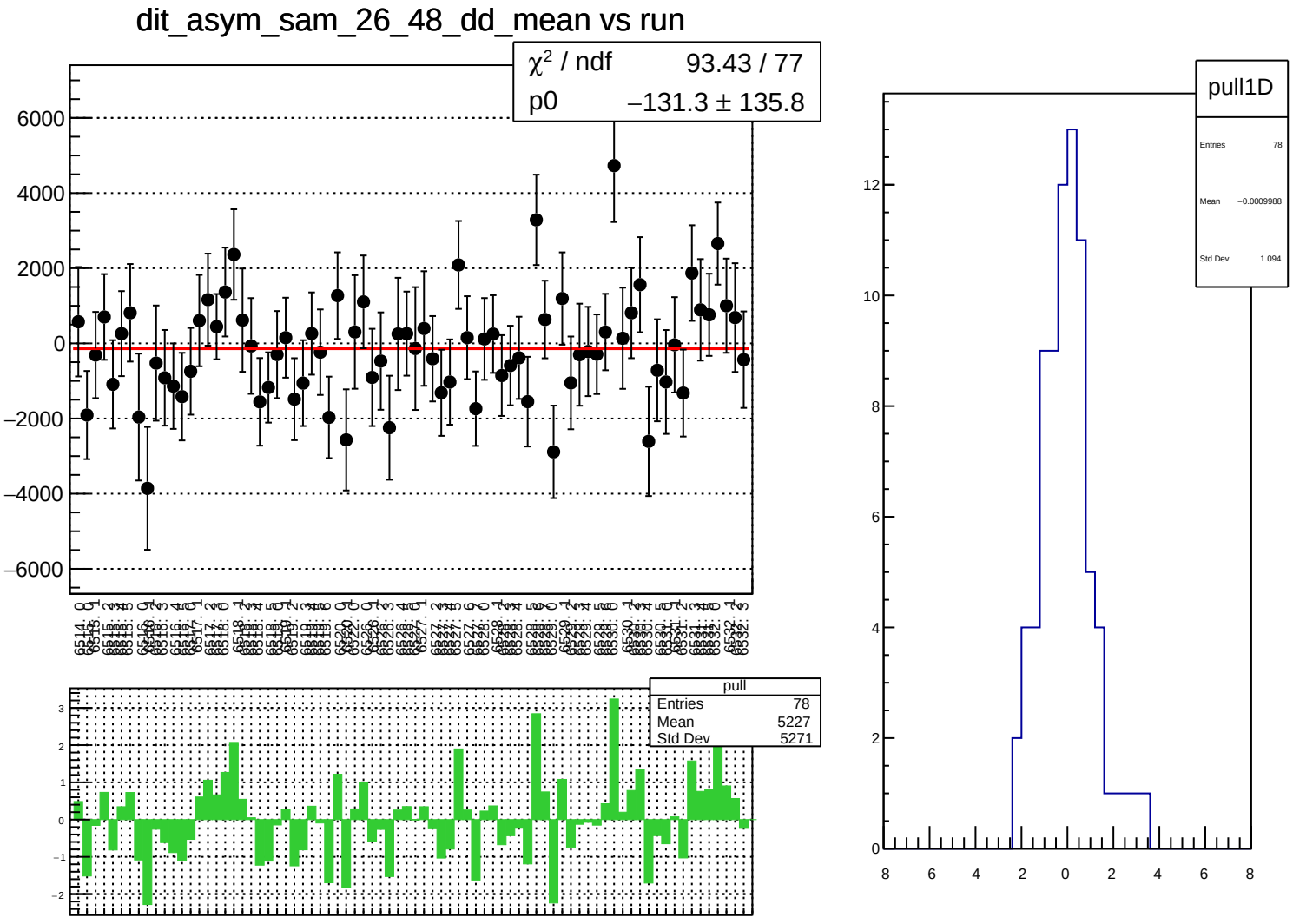

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 63.75 / 77
p0 401.5 ± 1251
pull
Entries 78
Mean −796.3
Std Dev 833.4
pull1D
Entries 78
Mean −0.004269
Std Dev 0.9041

asym_sam_24_68_dd_correction_rms vs run

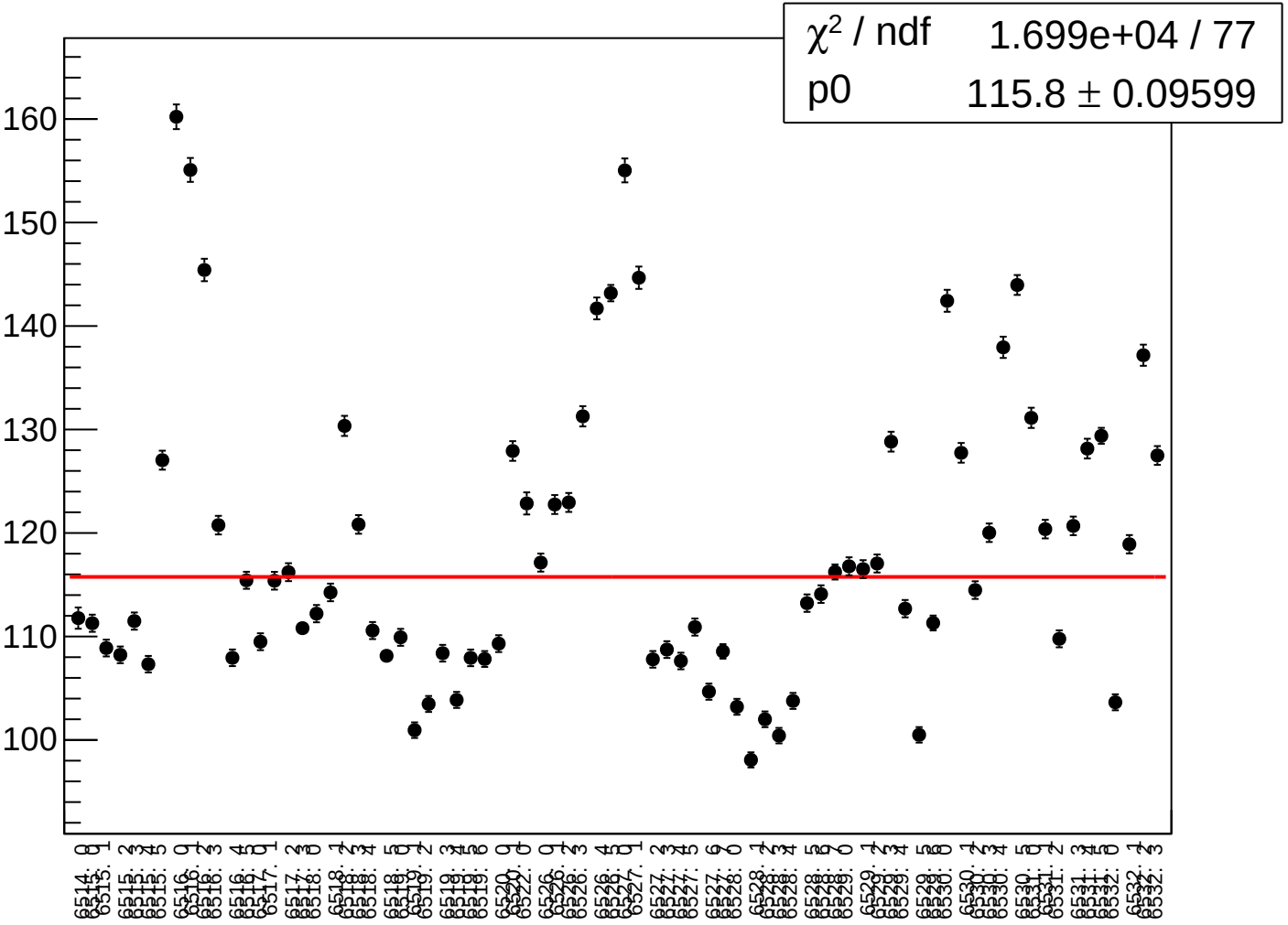


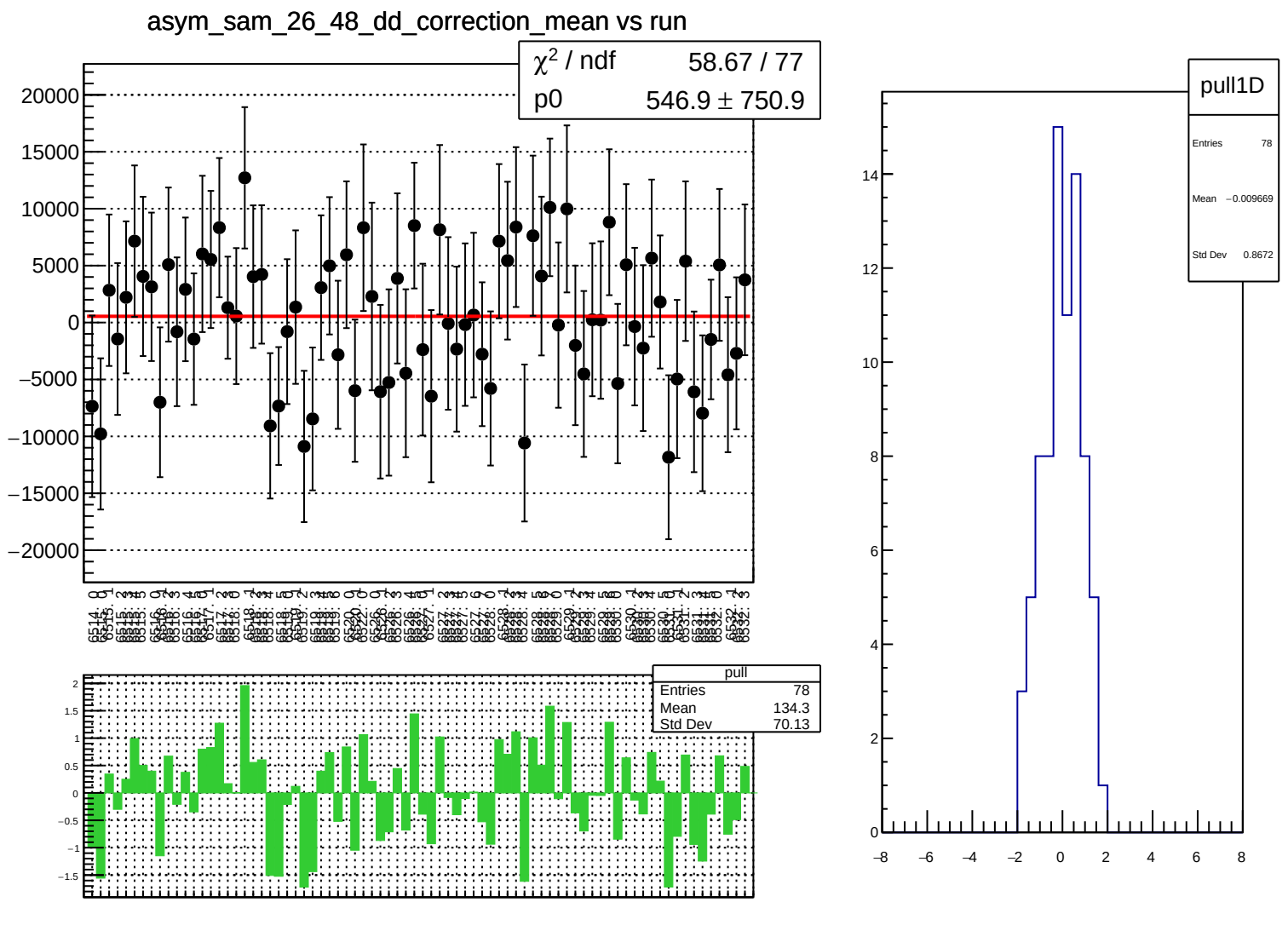

asym_sam_24_68_dd_mean vs run
χ² / ndf 62.44 / 77
p0 −168.4 ± 1233
pull
Entries 78
Mean 3599
Std Dev 3561
pull1D
Entries 78
Mean −0.001127
Std Dev 0.8947

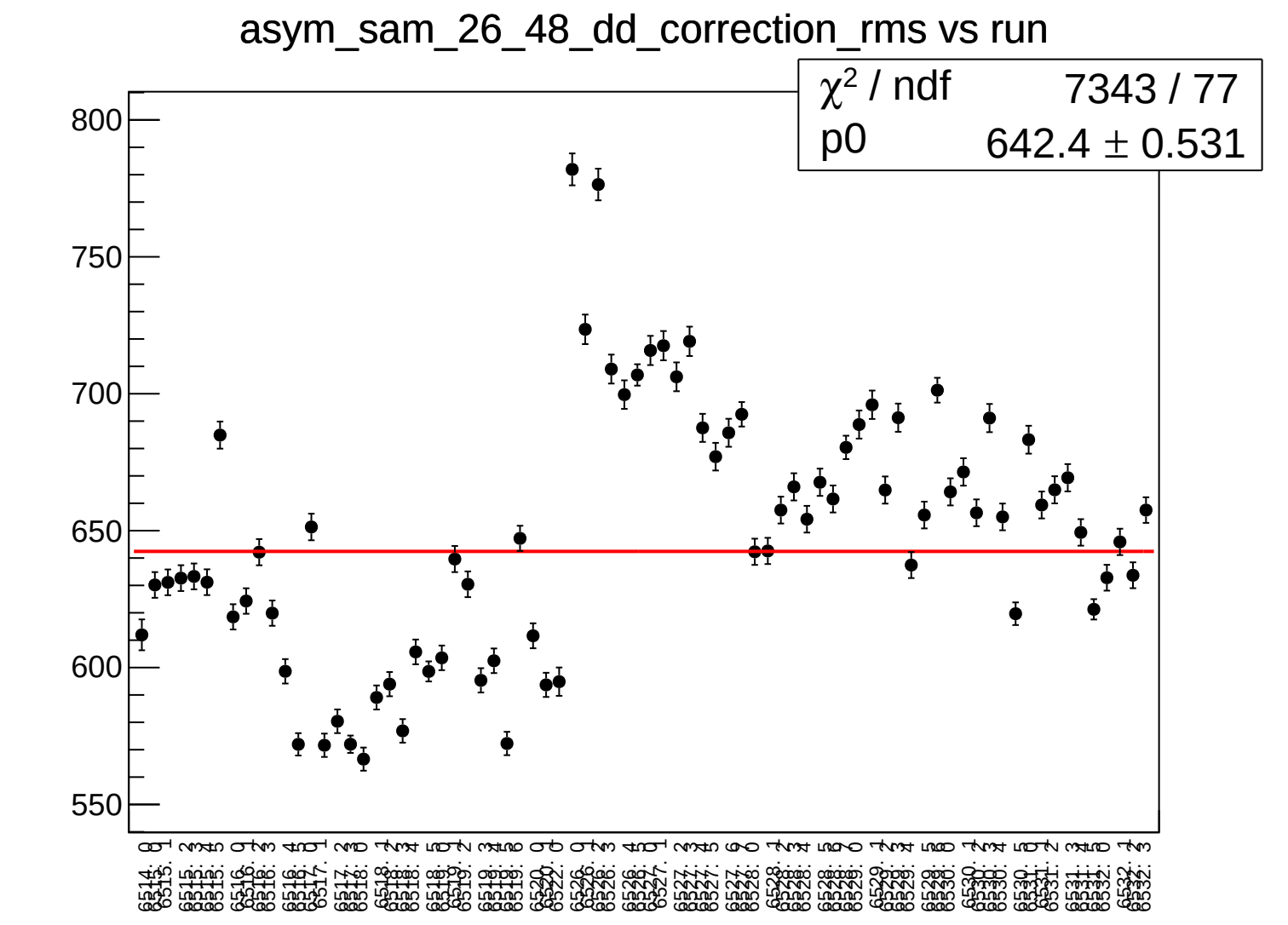

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 4.326e+04 / 77
p0 1042 ± 0.8717
1300
1200
1100
1000
900
800
700

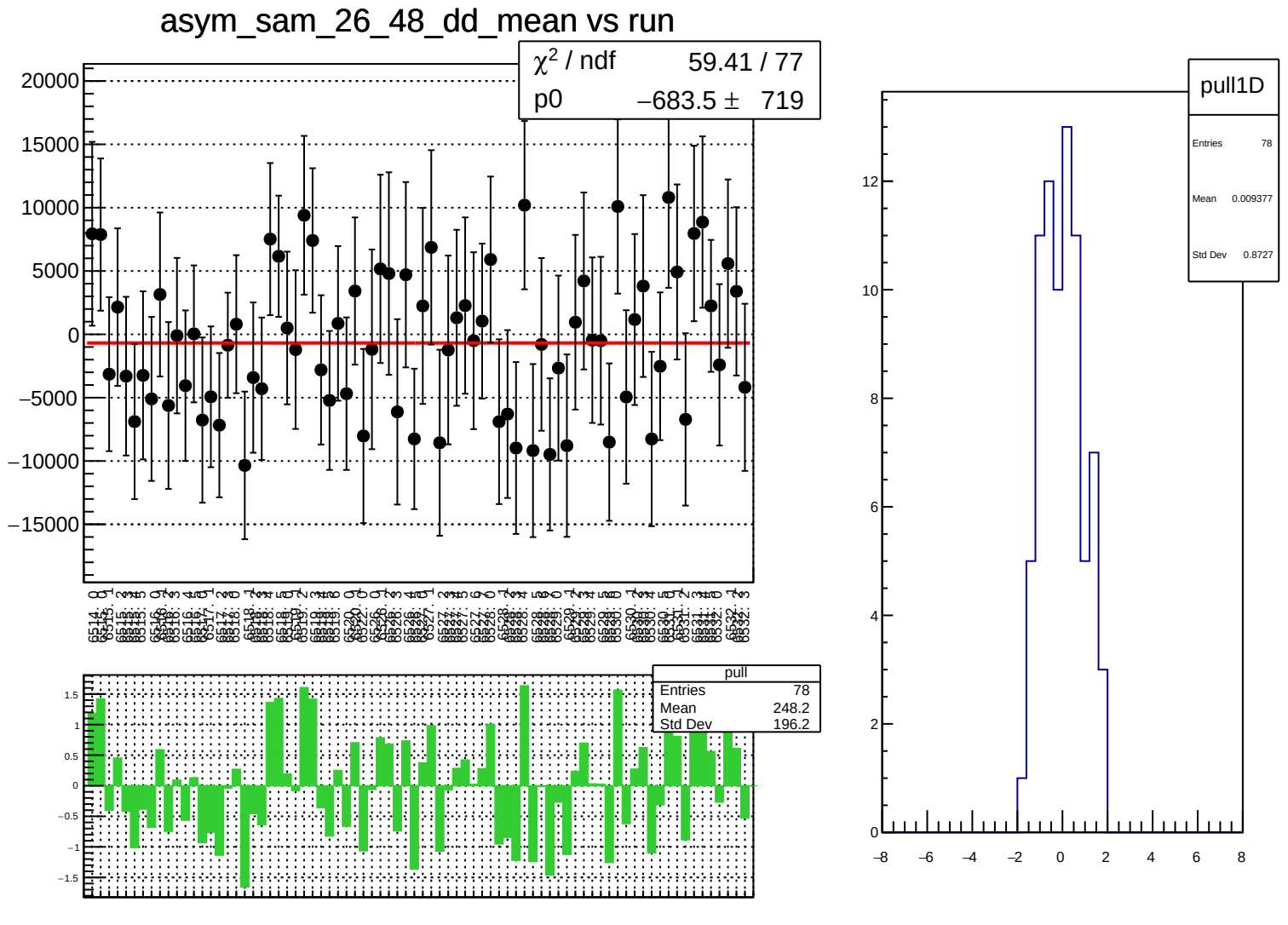

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 93.43 / 77
p0 −131.3 ± 135.8
pull
Entries 78
Mean −5227
Std Dev 5271
pull1D
Entries 78
Mean −0.0009988
Std Dev 1.094

dit_asym_sam_26_48_dd_rms vs run

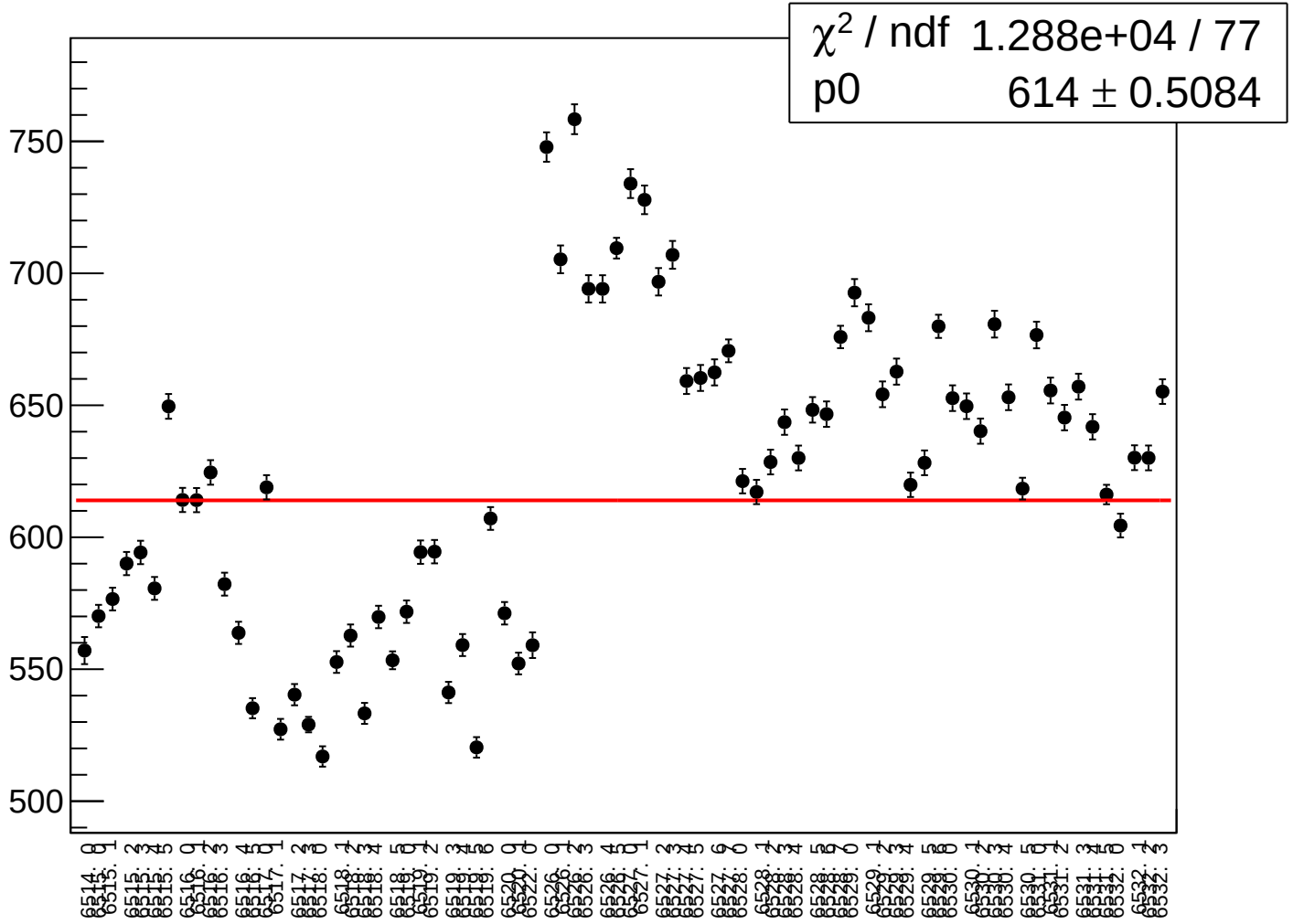


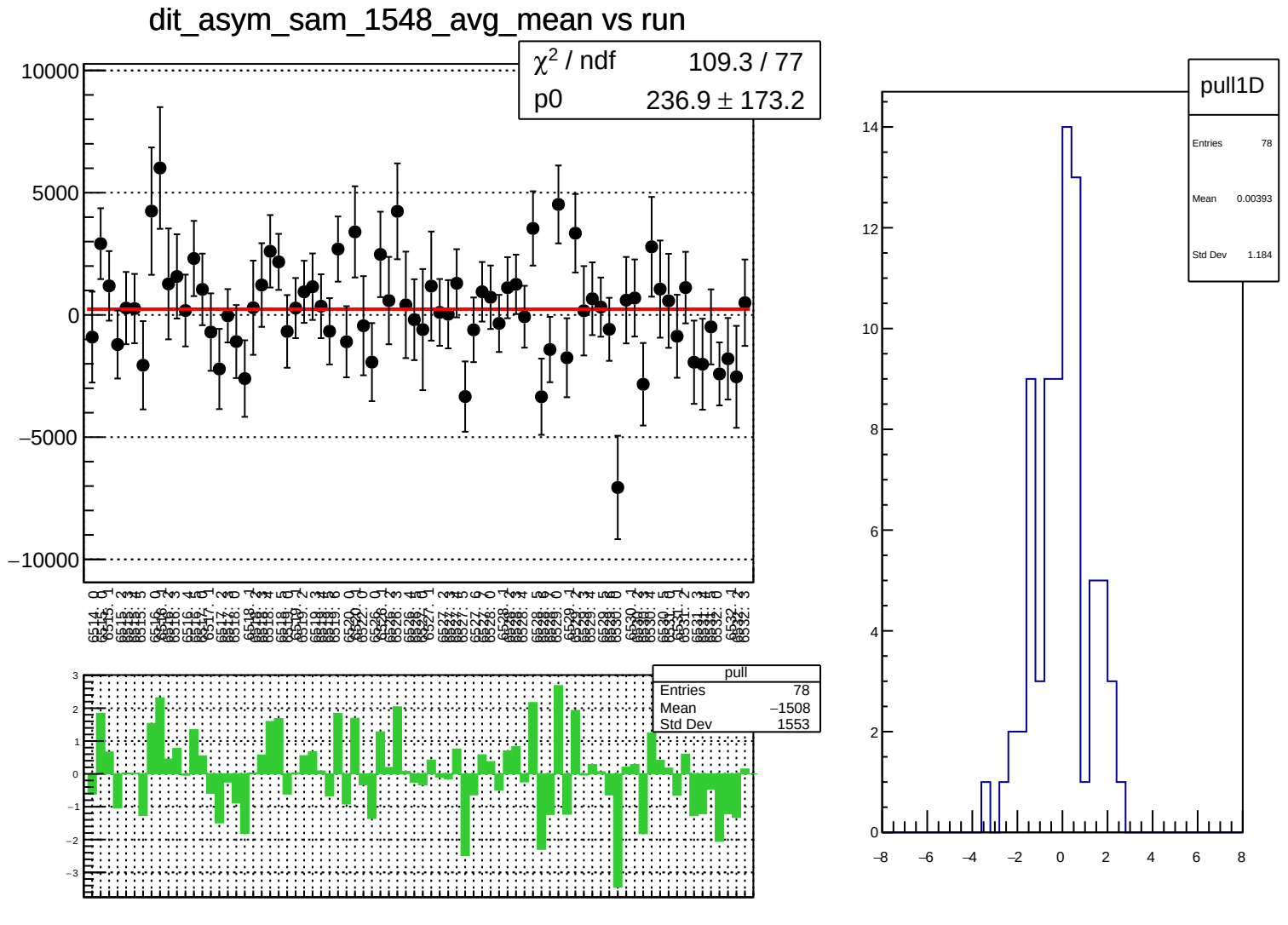

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 58.67 / 77
p0 546.9 ± 750.9
pull
Entries 78
Mean 134.3
Std Dev 70.13
pull1D
Entries 78
Mean −0.009669
Std Dev 0.8672


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 7343 / 77
p0 642.4 ± 0.531
800
750
700
650
600
550

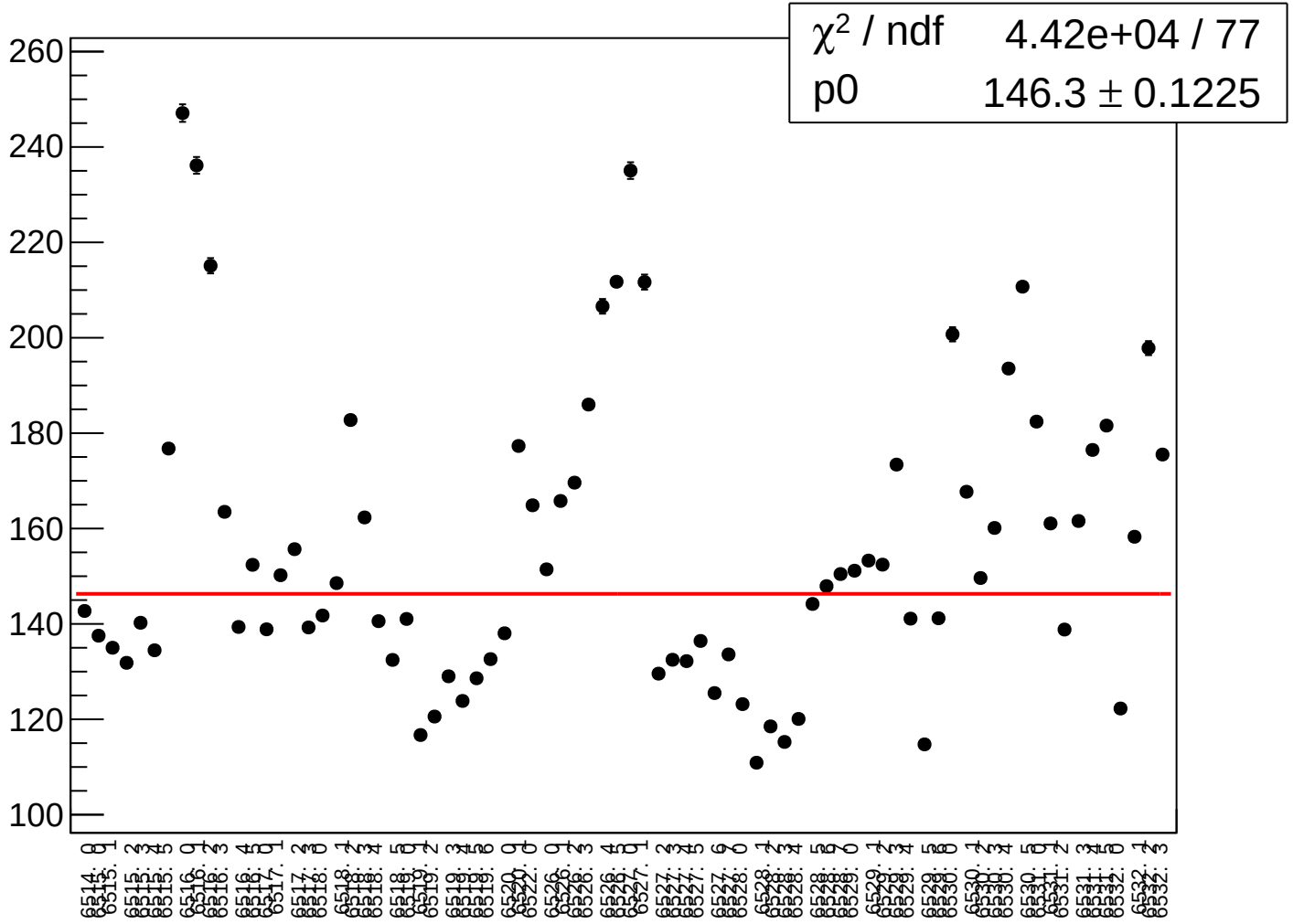

asym_sam_26_48_dd_mean vs run
χ² / ndf 59.41 / 77
p0 −683.5 ± 719
pull
Entries 78
Mean 248.2
Std Dev 196.2
pull1D
Entries 78
Mean 0.009377
Std Dev 0.8727

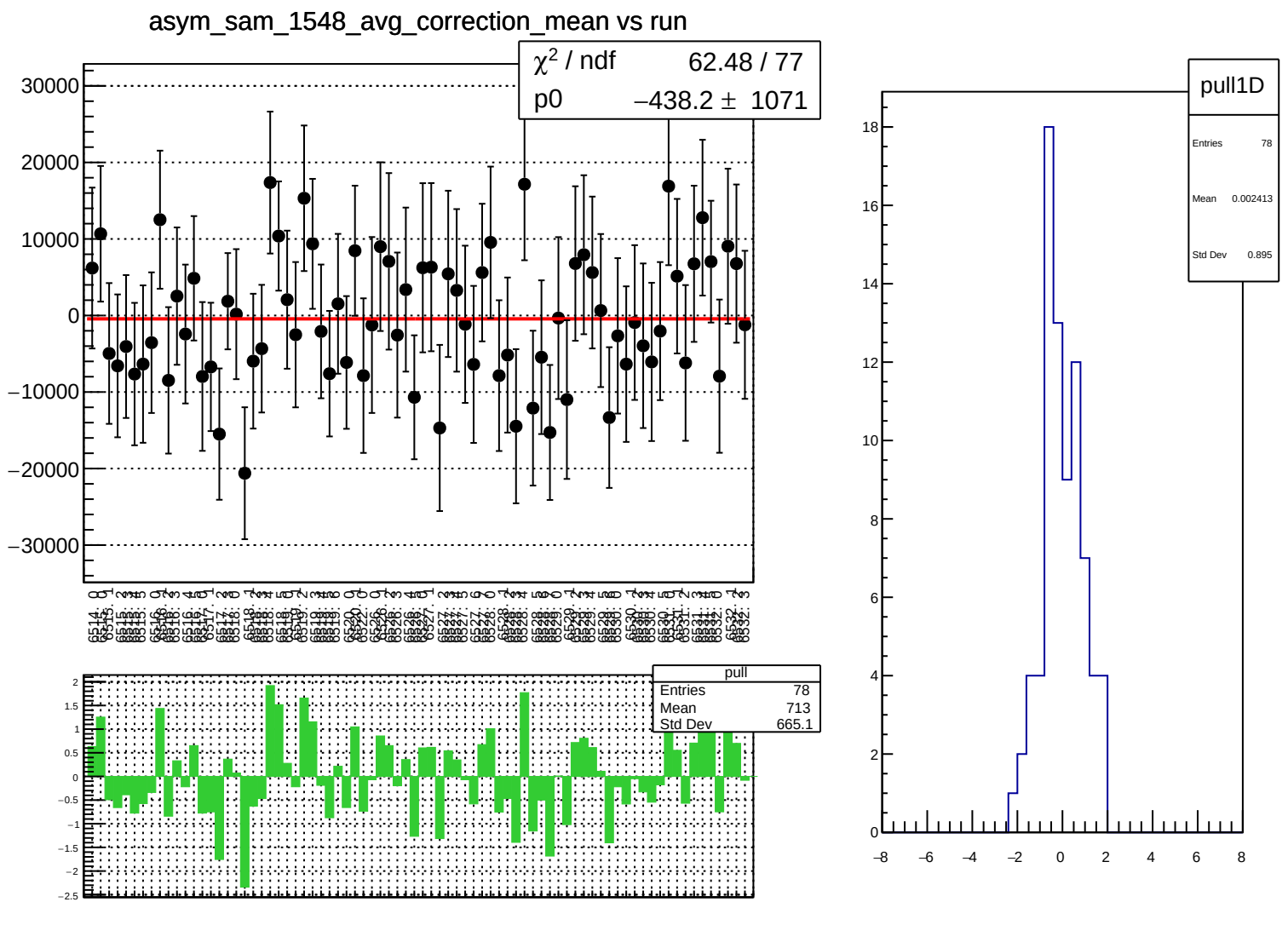
asym_sam_26_48_dd_rms vs run

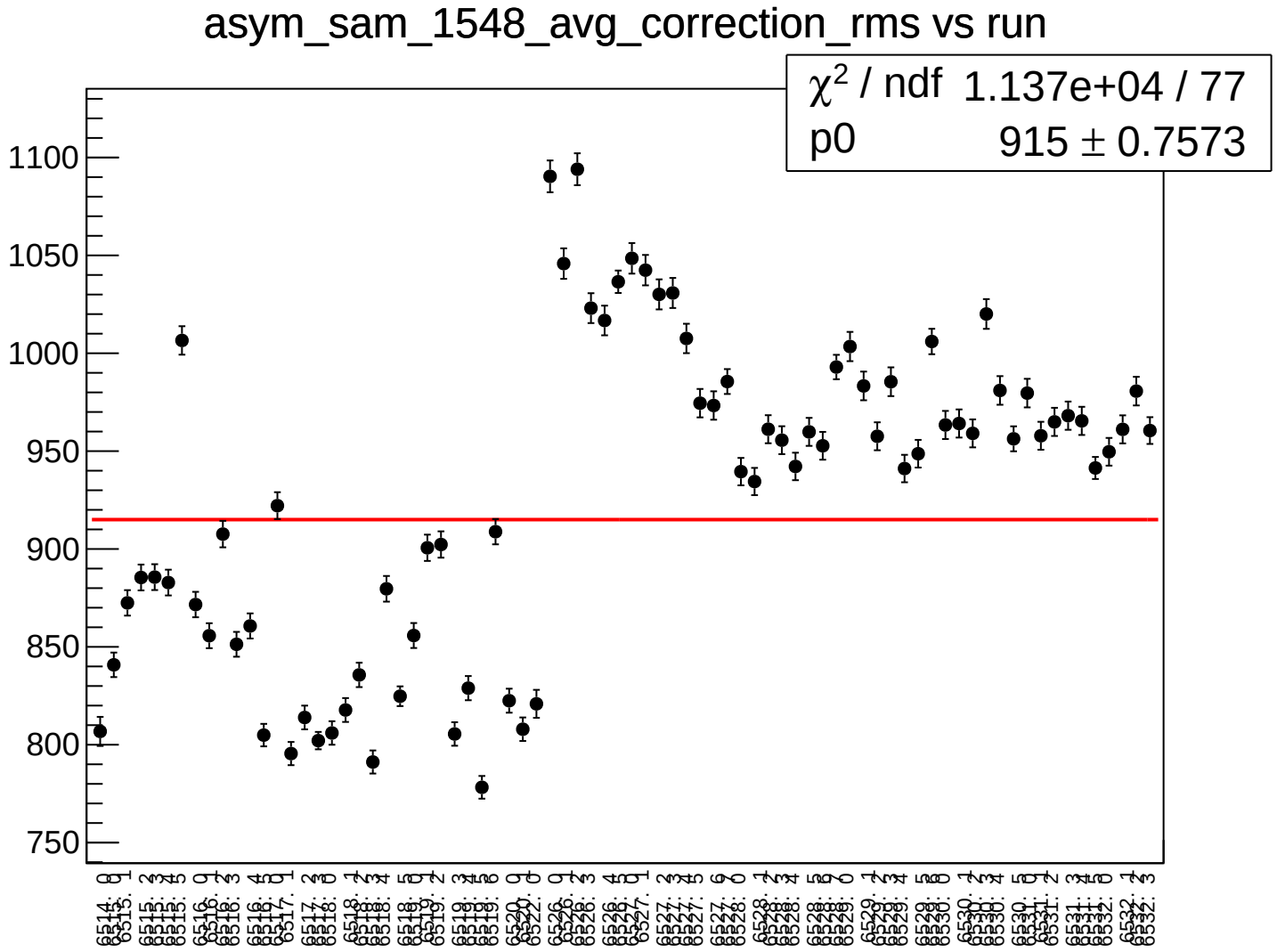


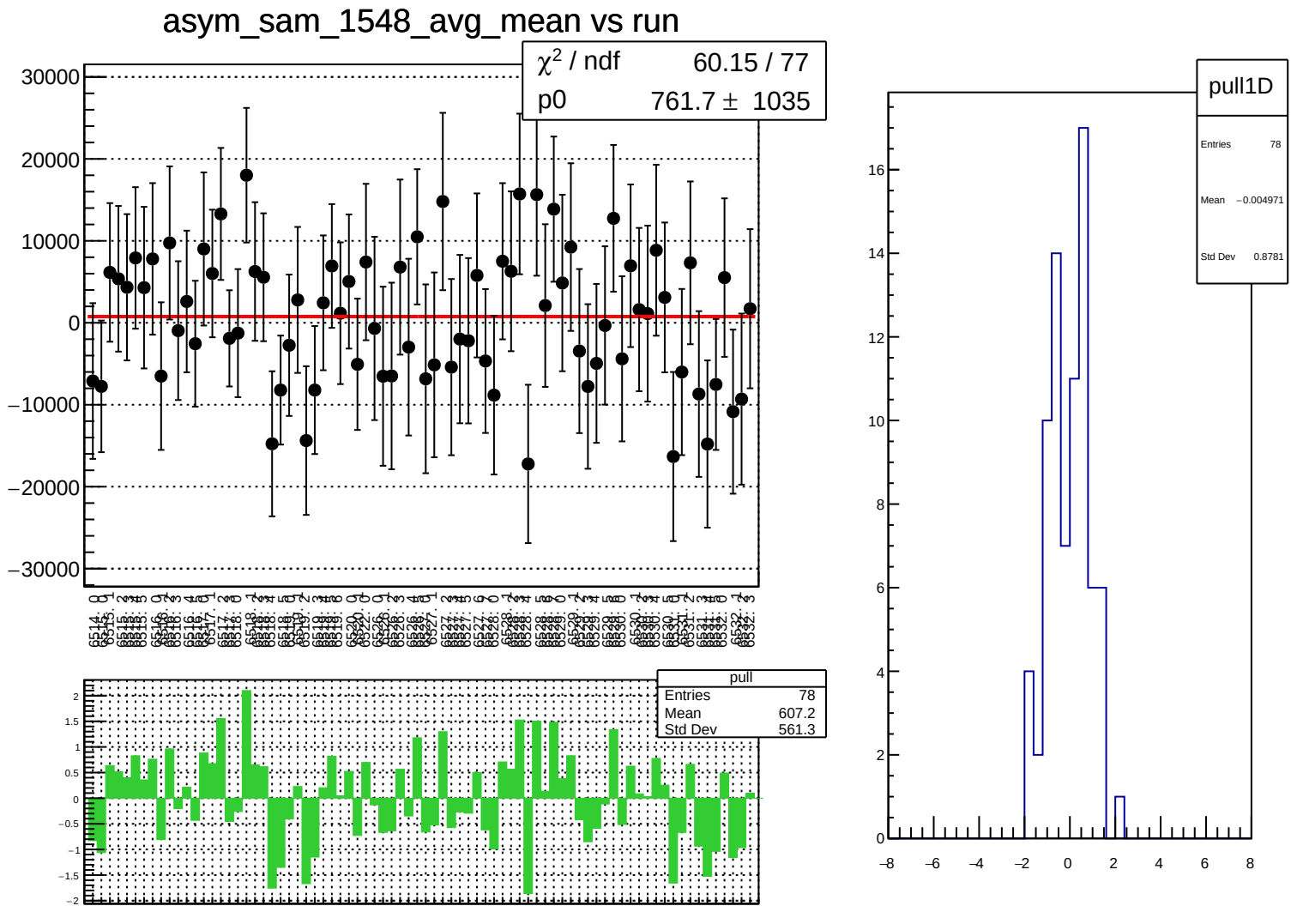

dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 109.3 / 77
p0 236.9 ± 173.2
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −1508
Std Dev 1553
pull1D
Entries 78
Mean 0.00393
Std Dev 1.184

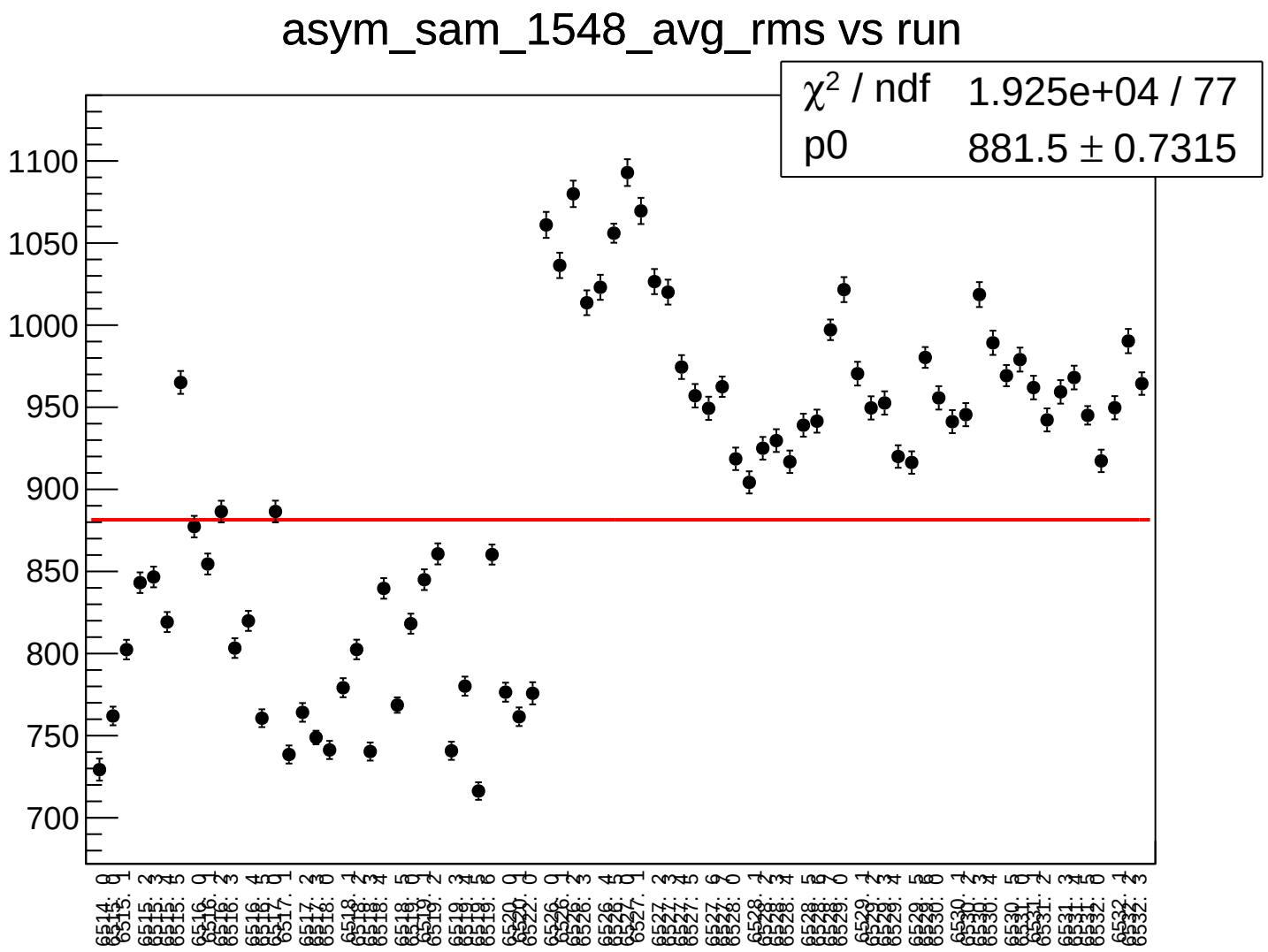
dit_asym_sam_1548_avg_rms vs run

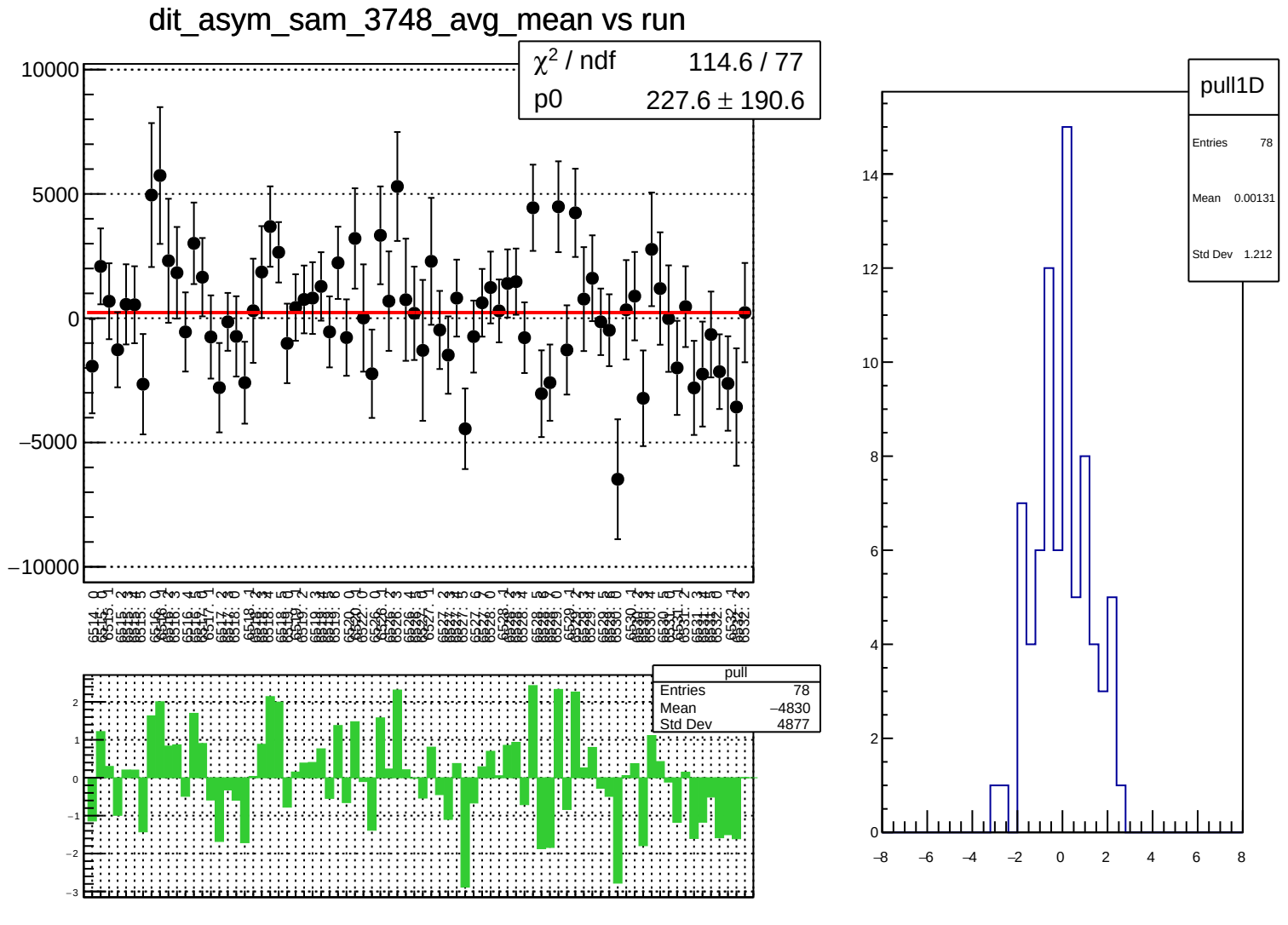


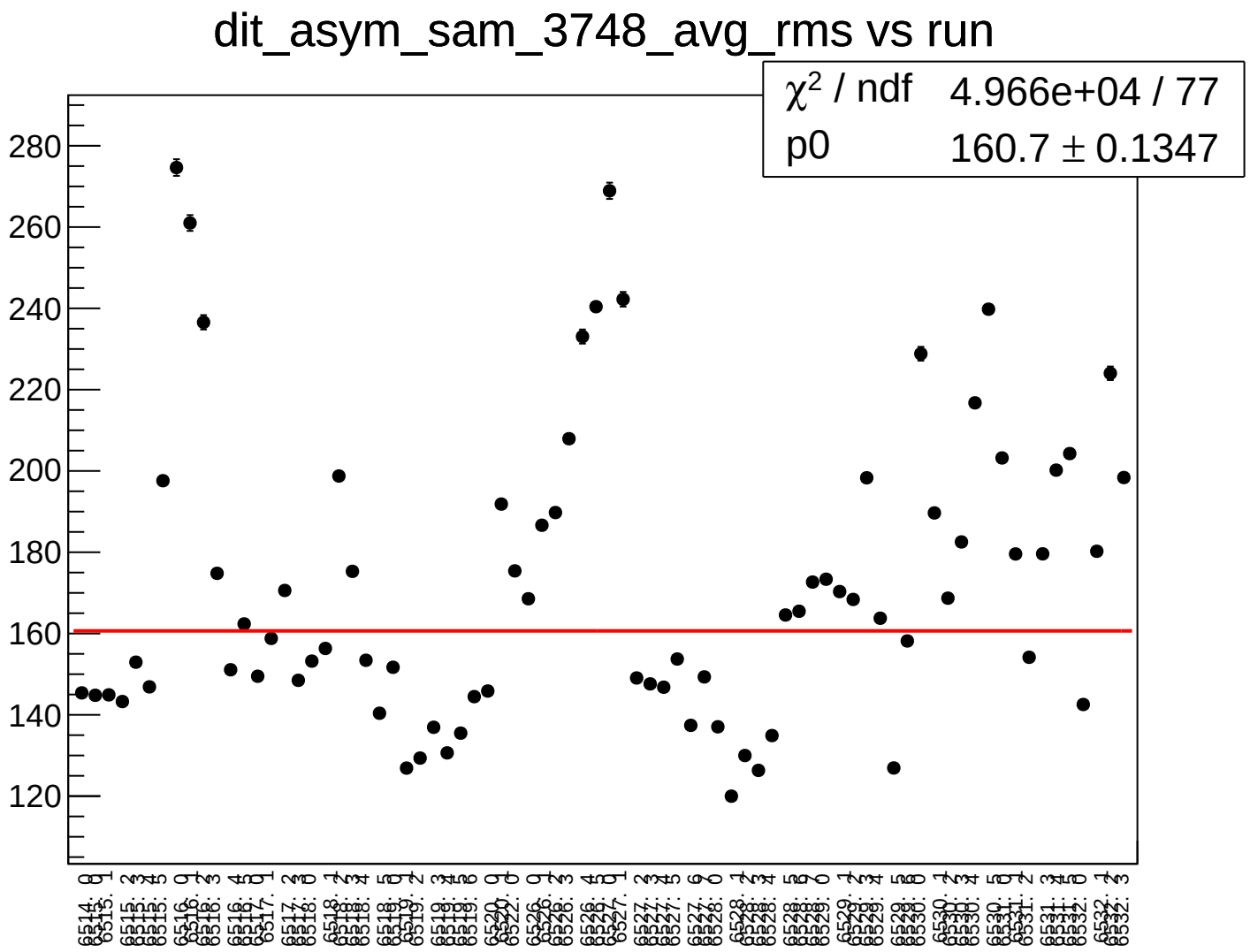

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 62.48 / 77
p0 −438.2 ± 1071
pull
Entries 78
Mean 713
Std Dev 665.1
pull1D
Entries 78
Mean 0.002413
Std Dev 0.895

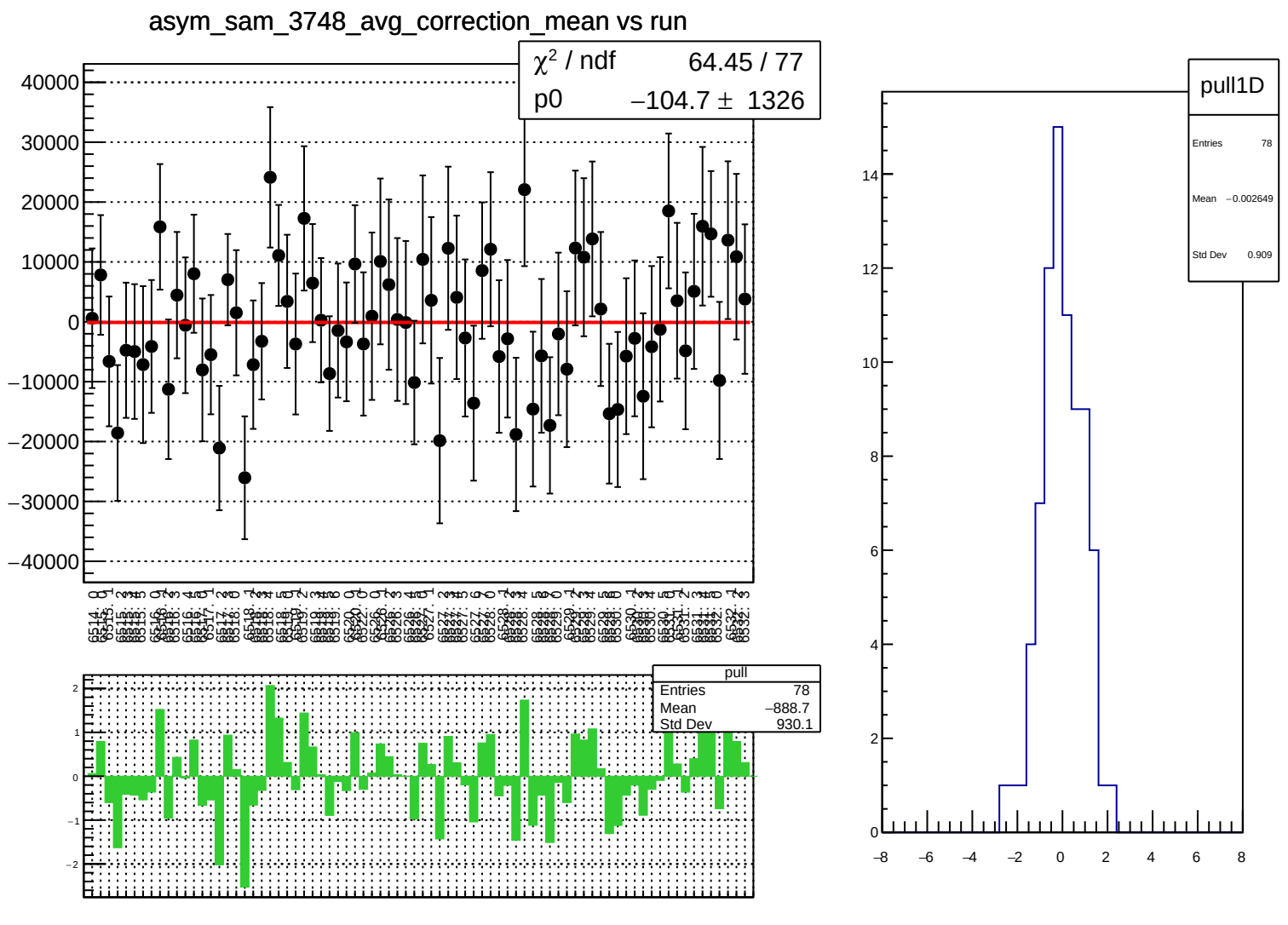

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 1.137e+04 / 77
p0 915 ± 0.7573
1100
1050
1000
950
900
850
800
750

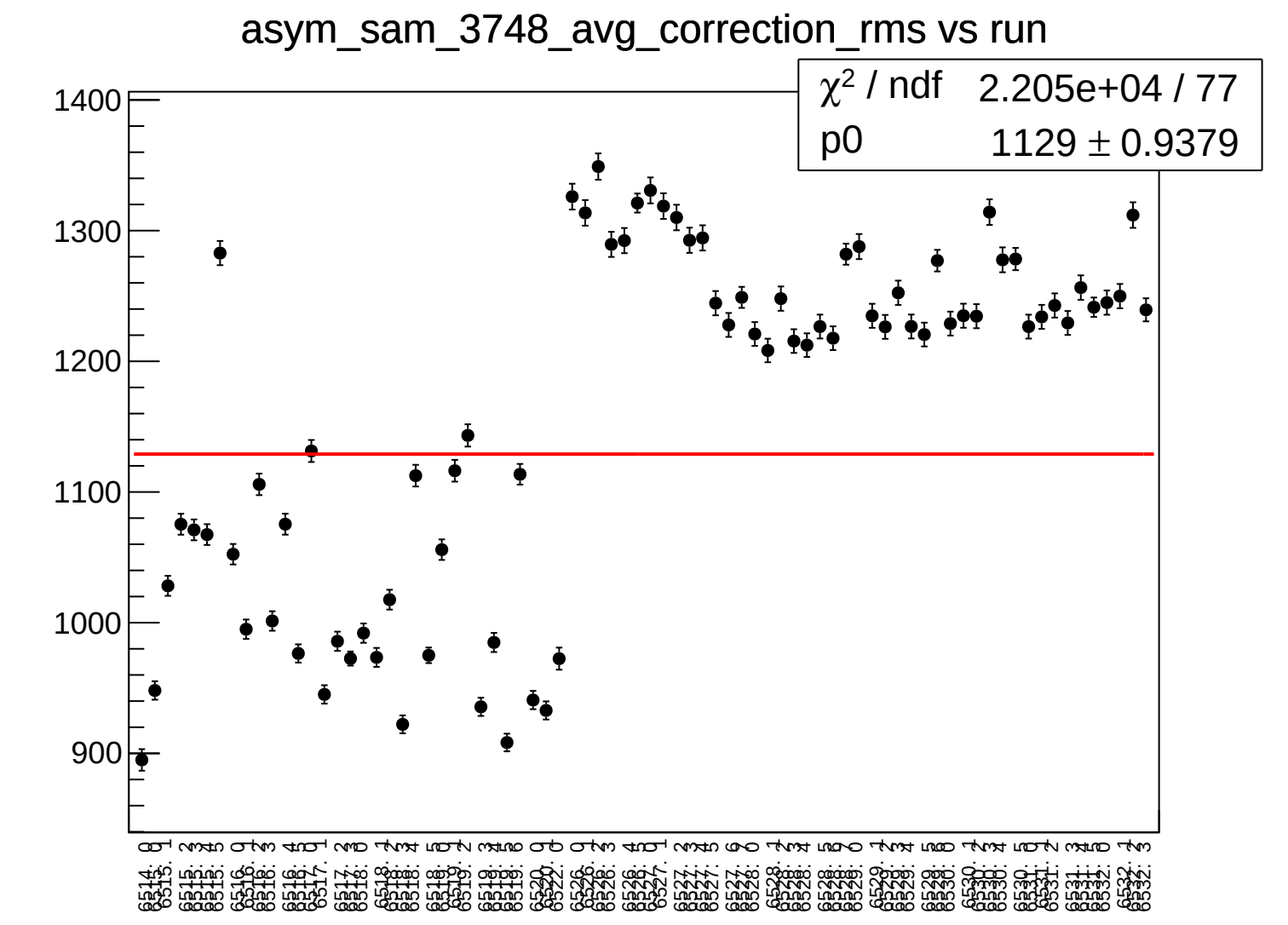

asym_sam_1548_avg_mean vs run
χ² / ndf 60.15 / 77
p0 761.7 ± 1035
pull
Entries 78
Mean 607.2
Std Dev 561.3
pull1D
Entries 78
Mean −0.004971
Std Dev 0.8781

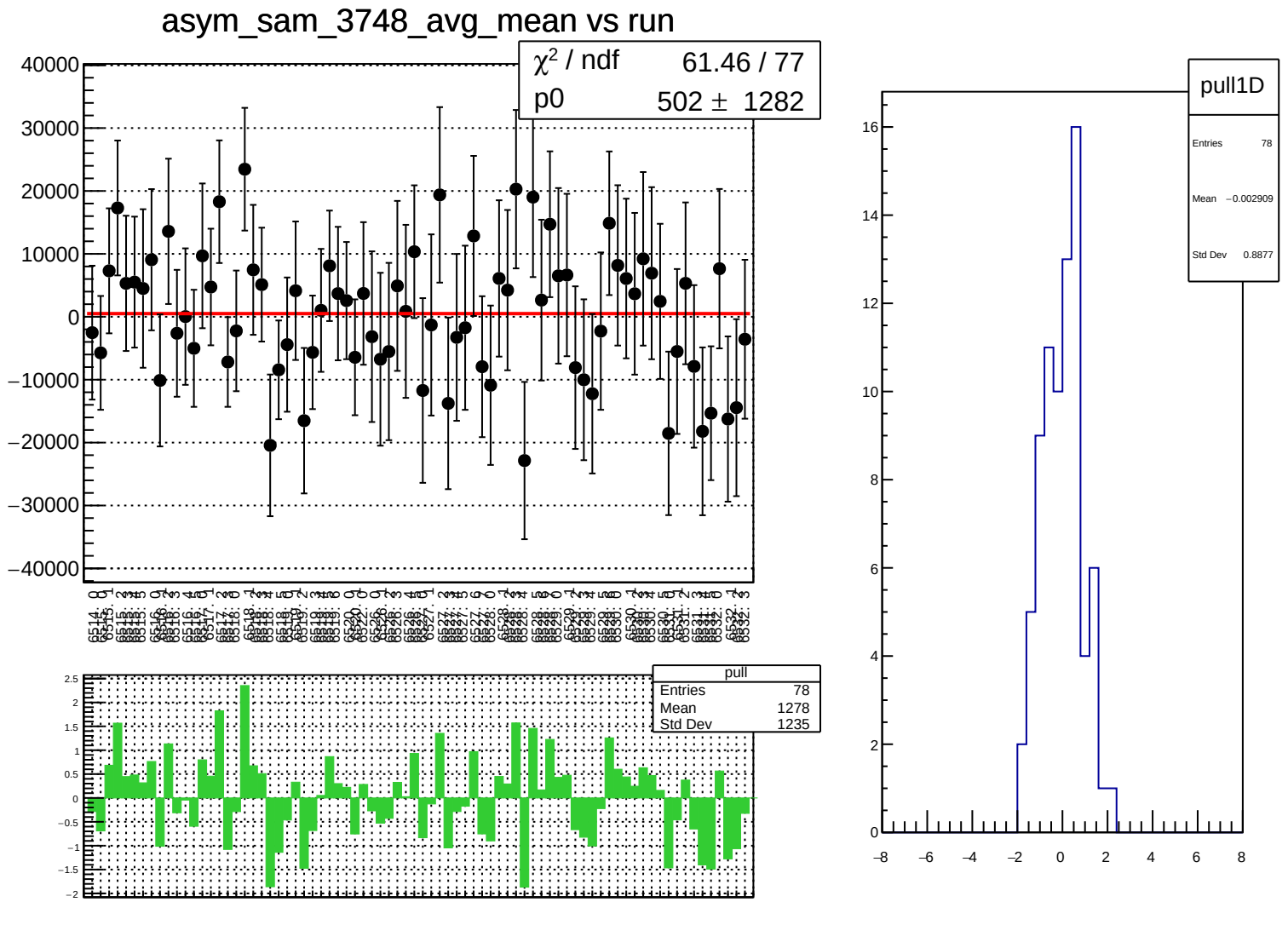

asym_sam_1548_avg_rms vs run
χ^2 / ndf 1.925e+04 / 77
p0 881.5 ± 0.7315
1100
1050
1000
950
900
850
800
750
700


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 114.6 / 77
p0 227.6 ± 190.6
pull
Entries 78
Mean −4830
Std Dev 4877
pull1D
Entries 78
Mean 0.00131
Std Dev 1.212

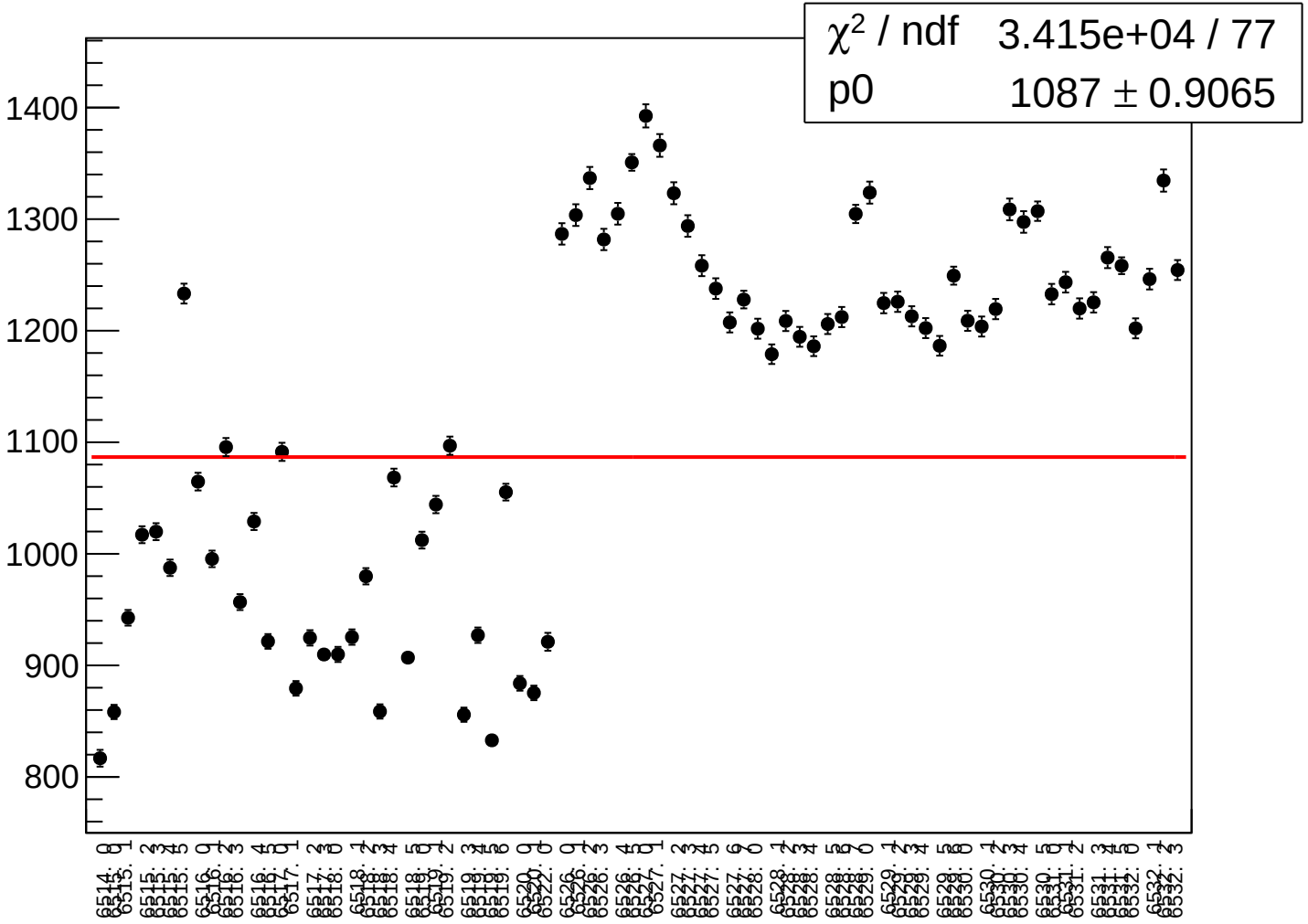

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.966e+04 / 77
p0 160.7 ± 0.1347
280
260
240
220
200
180
160
140
120

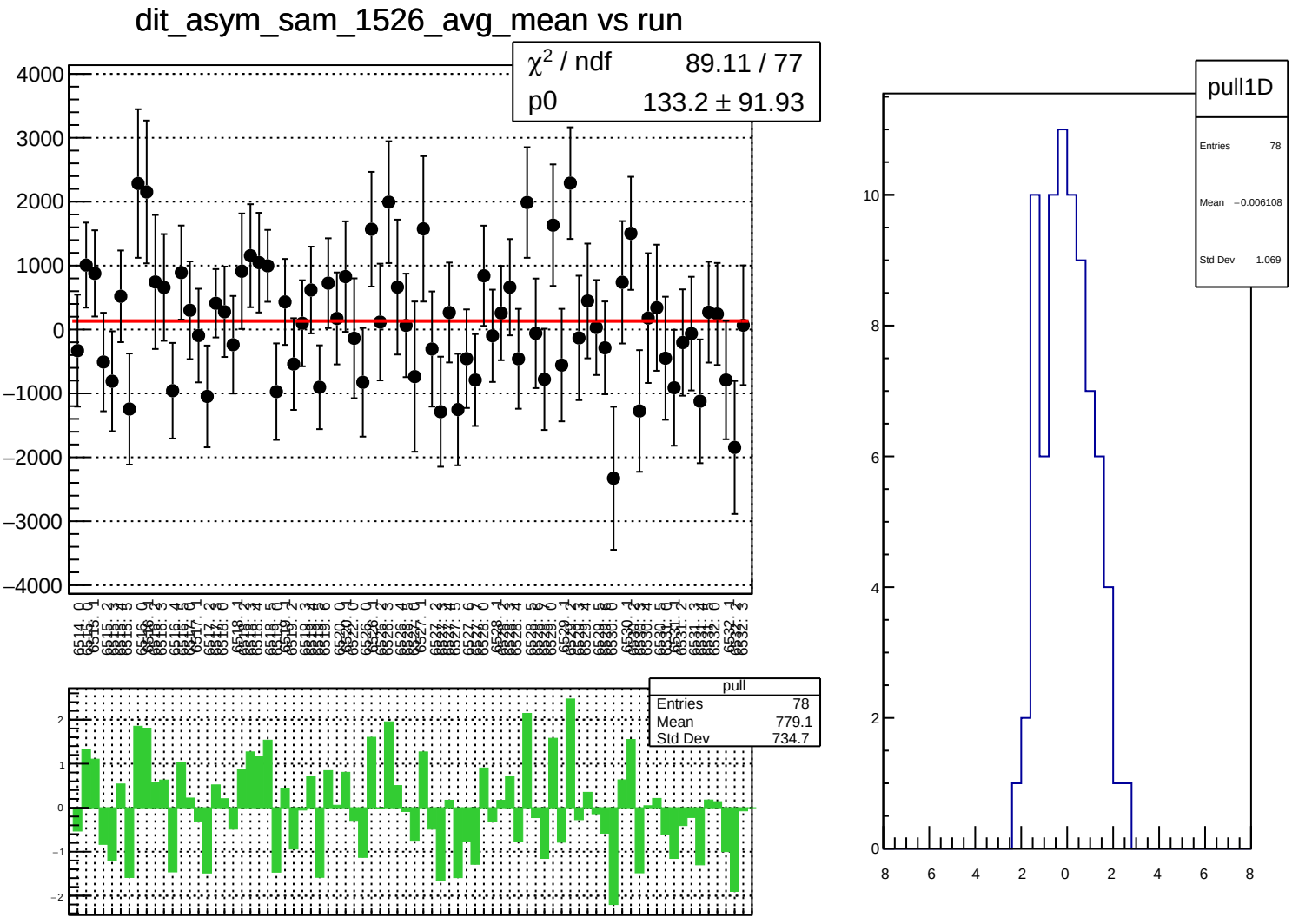

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 64.45 / 77
p0 −104.7 ± 1326
pull
Entries 78
Mean −888.7
Std Dev 930.1
pull1D
Entries 78
Mean −0.002649
Std Dev 0.909


asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 2.205e+04 / 77
p0 1129 ± 0.9379
1400
1300
1200
1100
1000
900

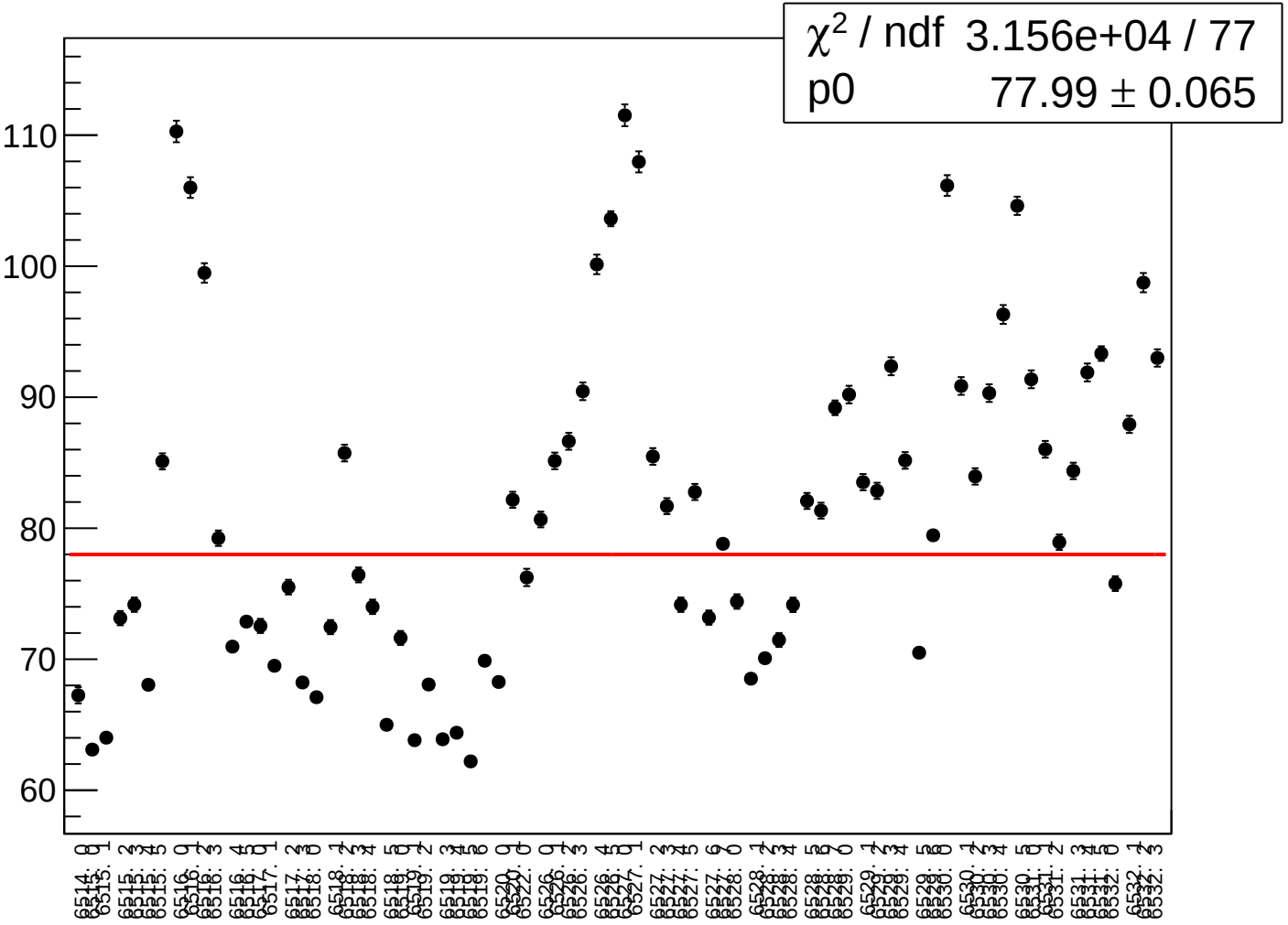

asym_sam_3748_avg_mean vs run
χ² / ndf 61.46 / 77
p0 502 ± 1282
pull
Entries 78
Mean 1278
Std Dev 1235
pull1D
Entries 78
Mean −0.002909
Std Dev 0.8877

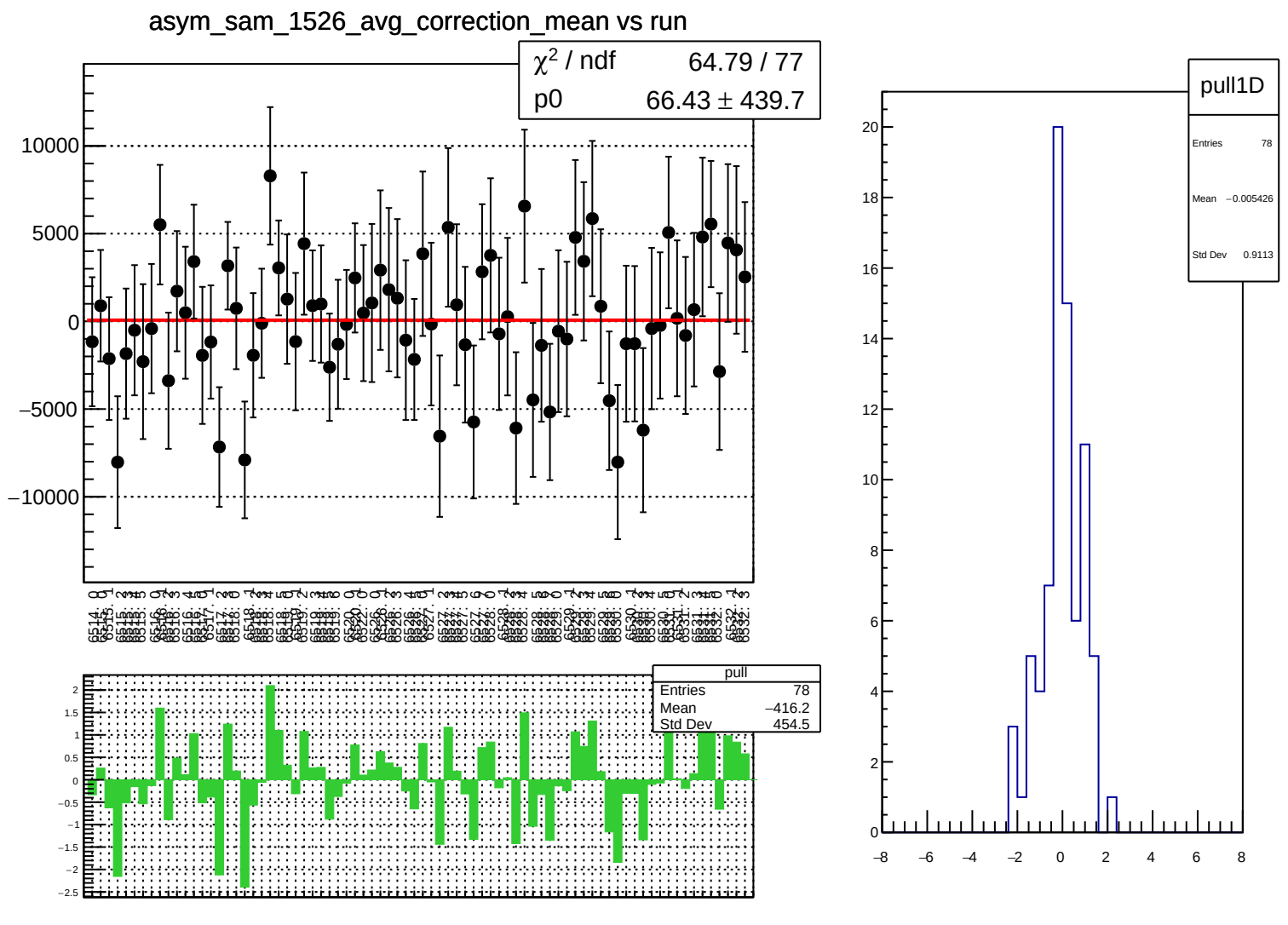
asym_sam_3748_avg_rms vs run

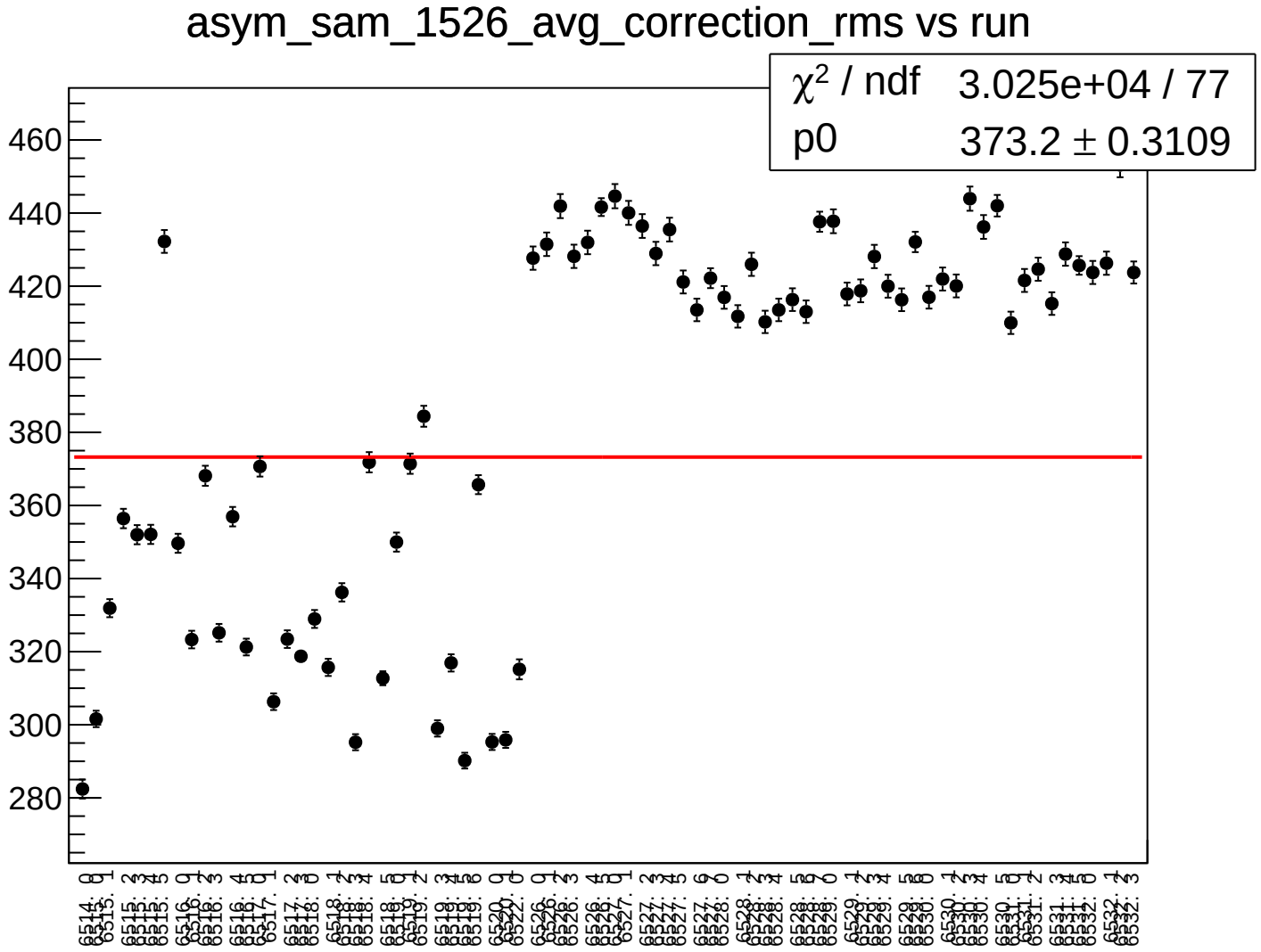


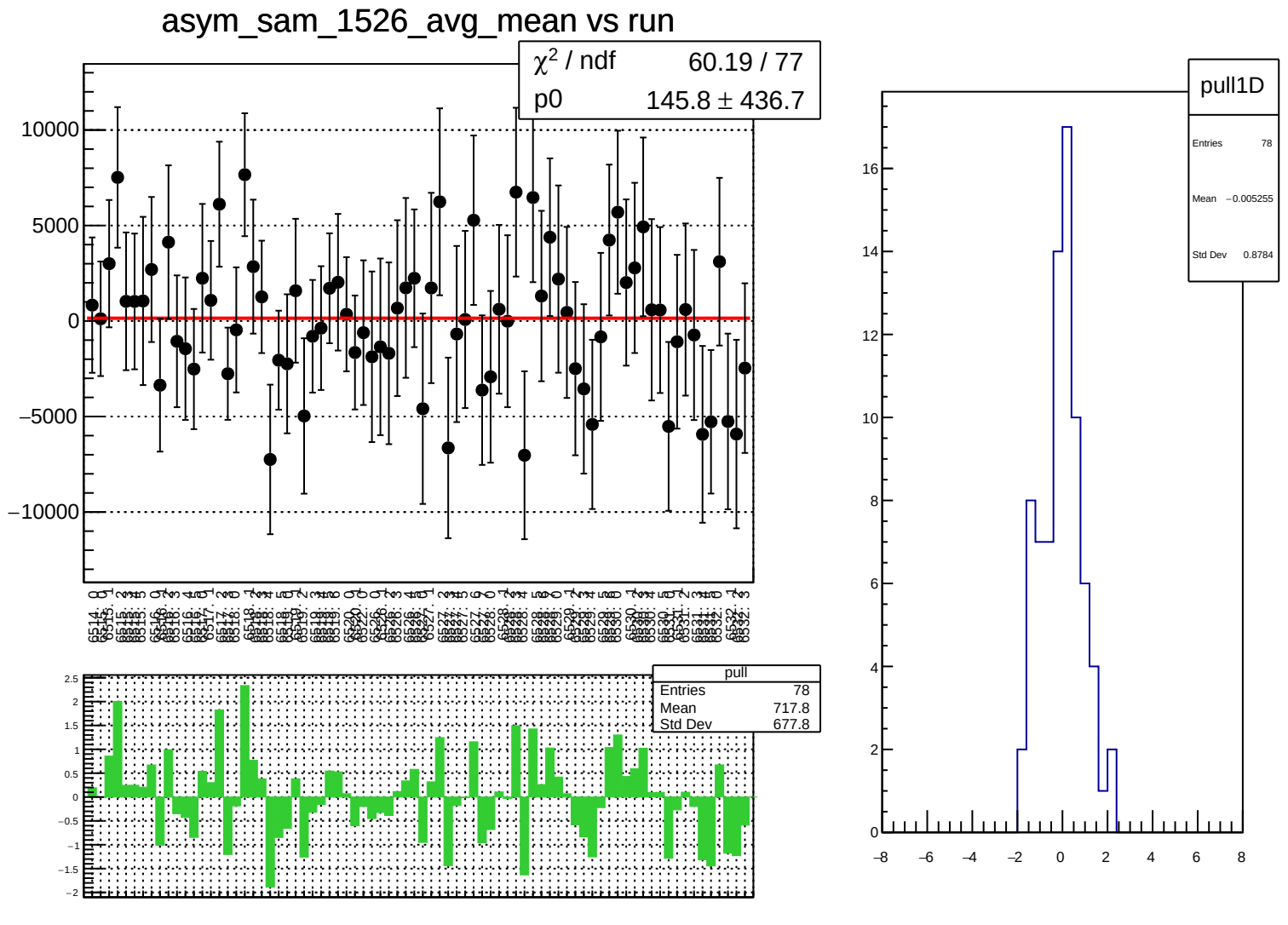

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 89.11 / 77
p0 133.2 ± 91.93
pull
Entries 78
Mean 779.1
Std Dev 734.7
pull1D
Entries 78
Mean −0.006108
Std Dev 1.069

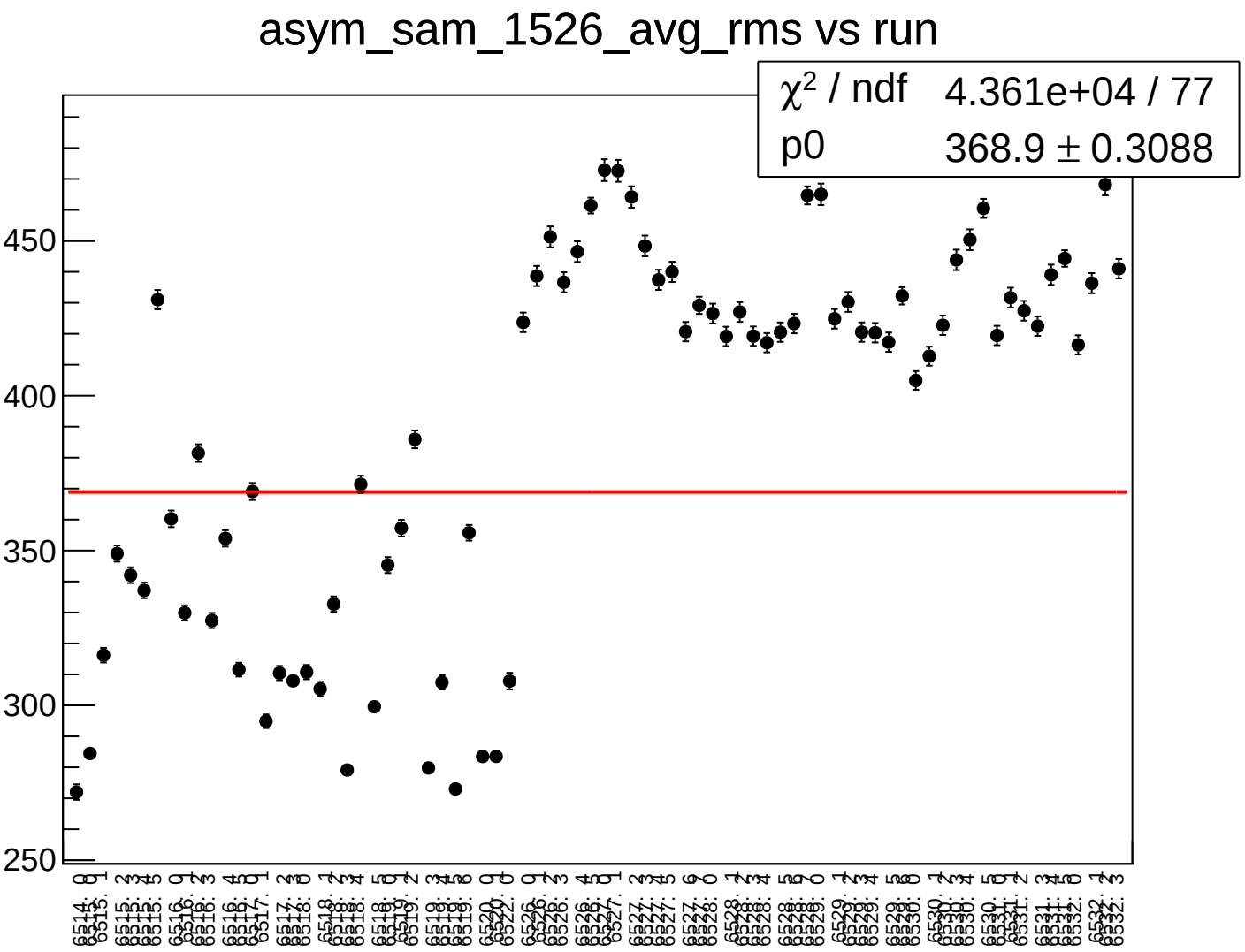
dit_asym_sam_1526_avg_rms vs run

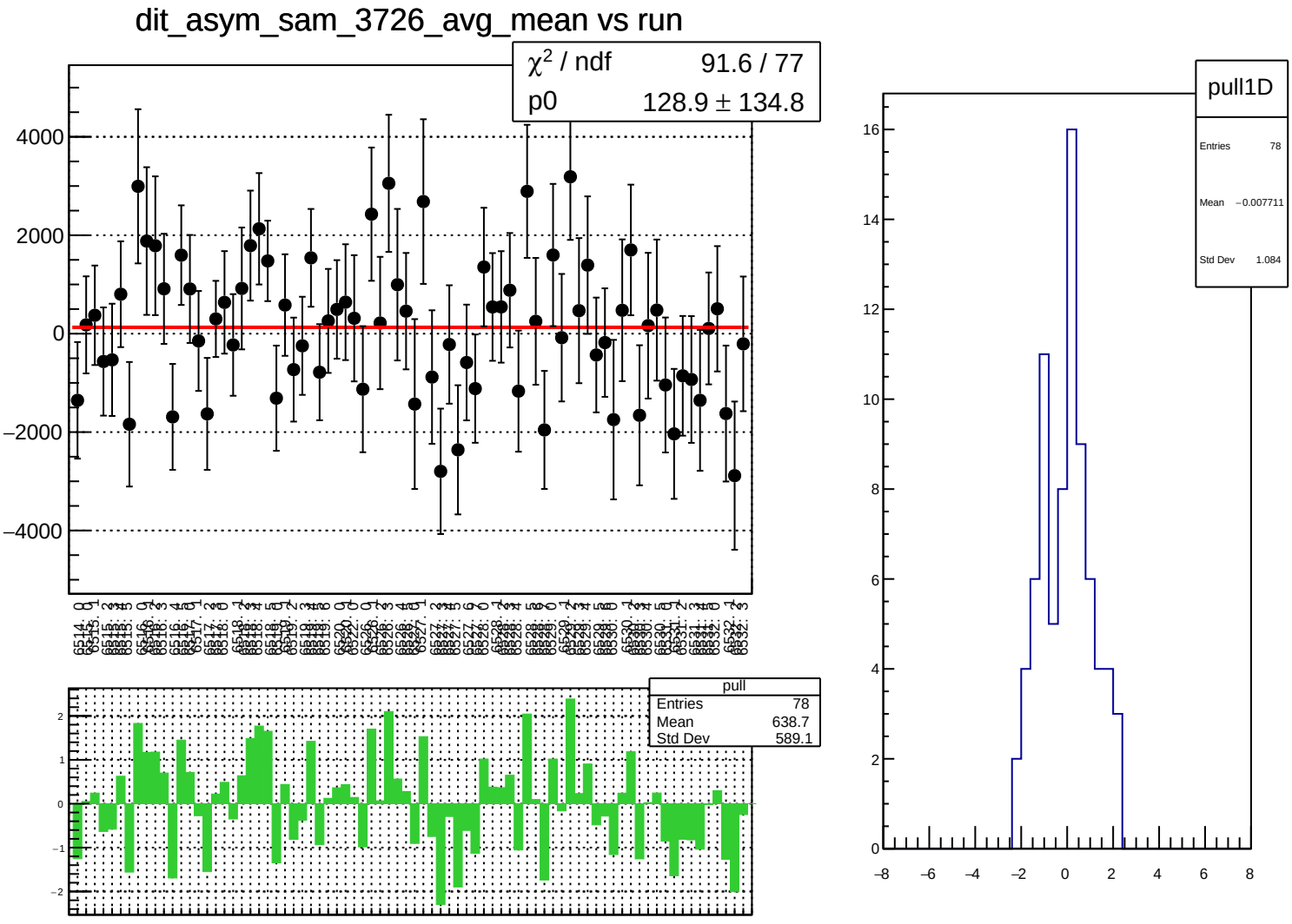



asym_sam_1526_avg_correction_mean vs run
χ^2 / ndf 64.79 / 77
p0 66.43 ± 439.7
pull
Entries 78
Mean −416.2
Std Dev 454.5
pull1D
Entries 78
Mean −0.005426
Std Dev 0.9113

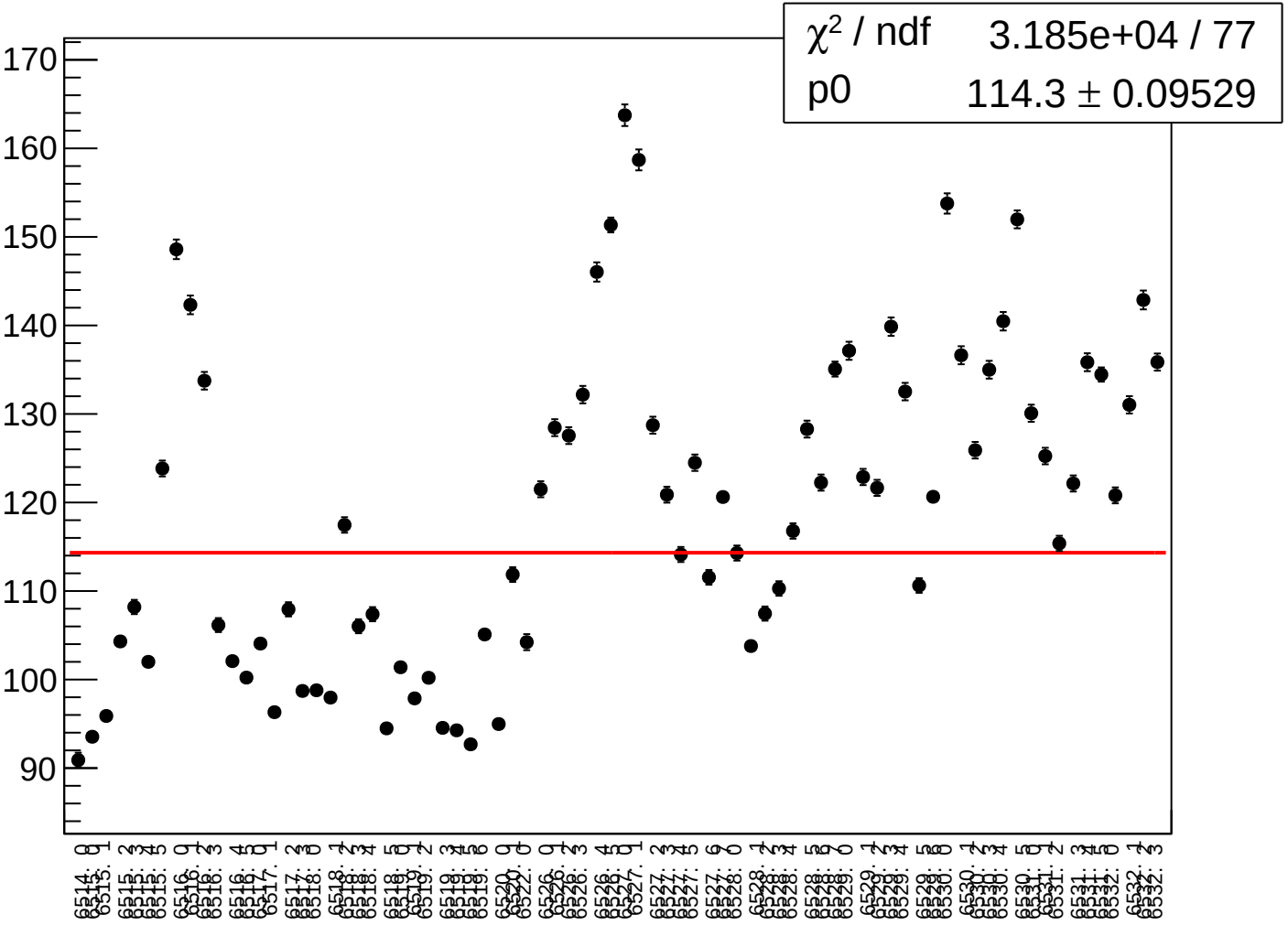

asym_sam_1526_avg_correction_rms vs run
χ^2 / ndf 3.025e+04 / 77
p0 373.2 ± 0.3109
460
440
420
400
380
360
340
320
300
280

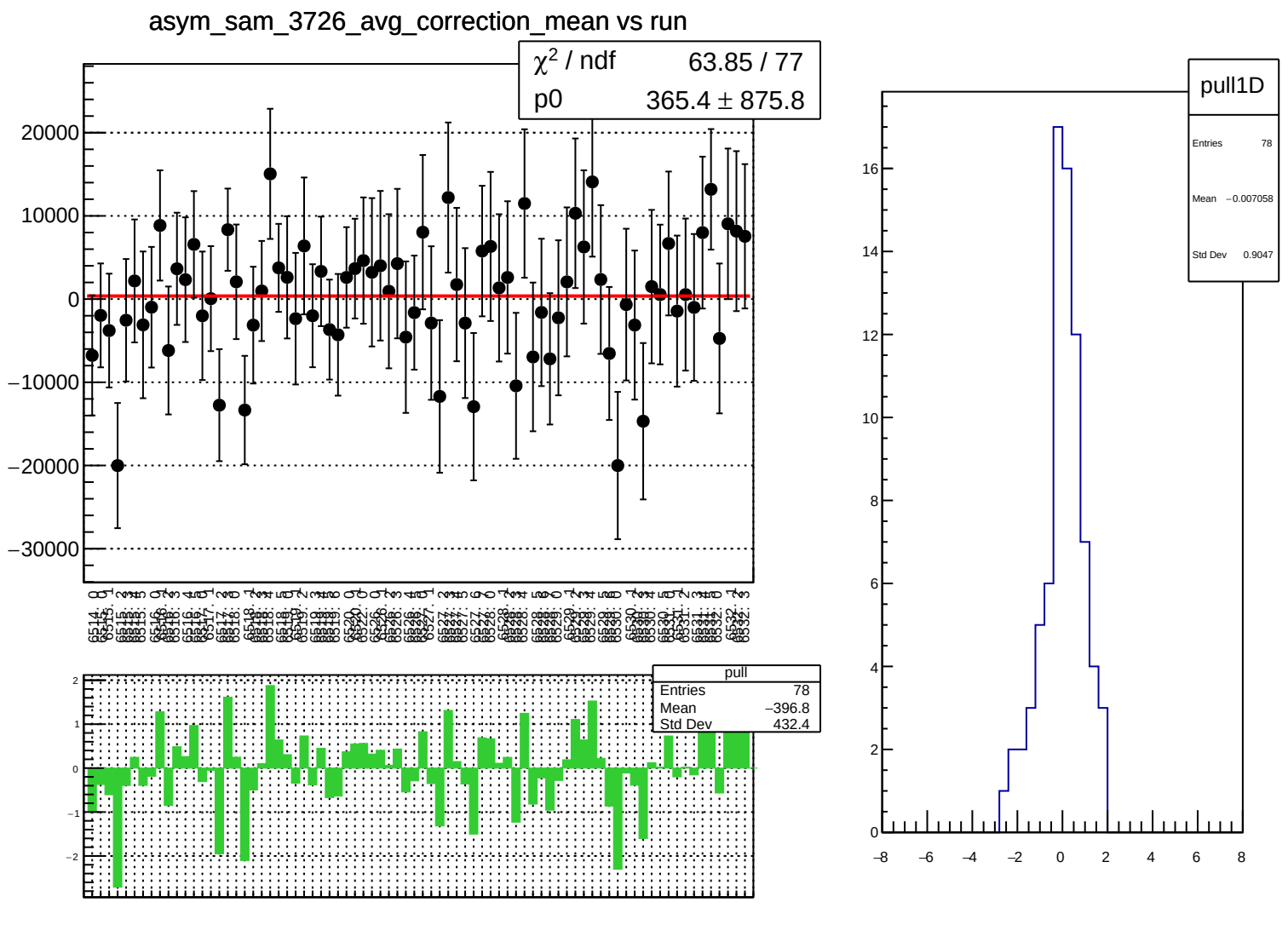

asym_sam_1526_avg_mean vs run
χ^2 / ndf 60.19 / 77
p0 145.8 ± 436.7
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 717.8
Std Dev 677.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.005255
Std Dev 0.8784
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

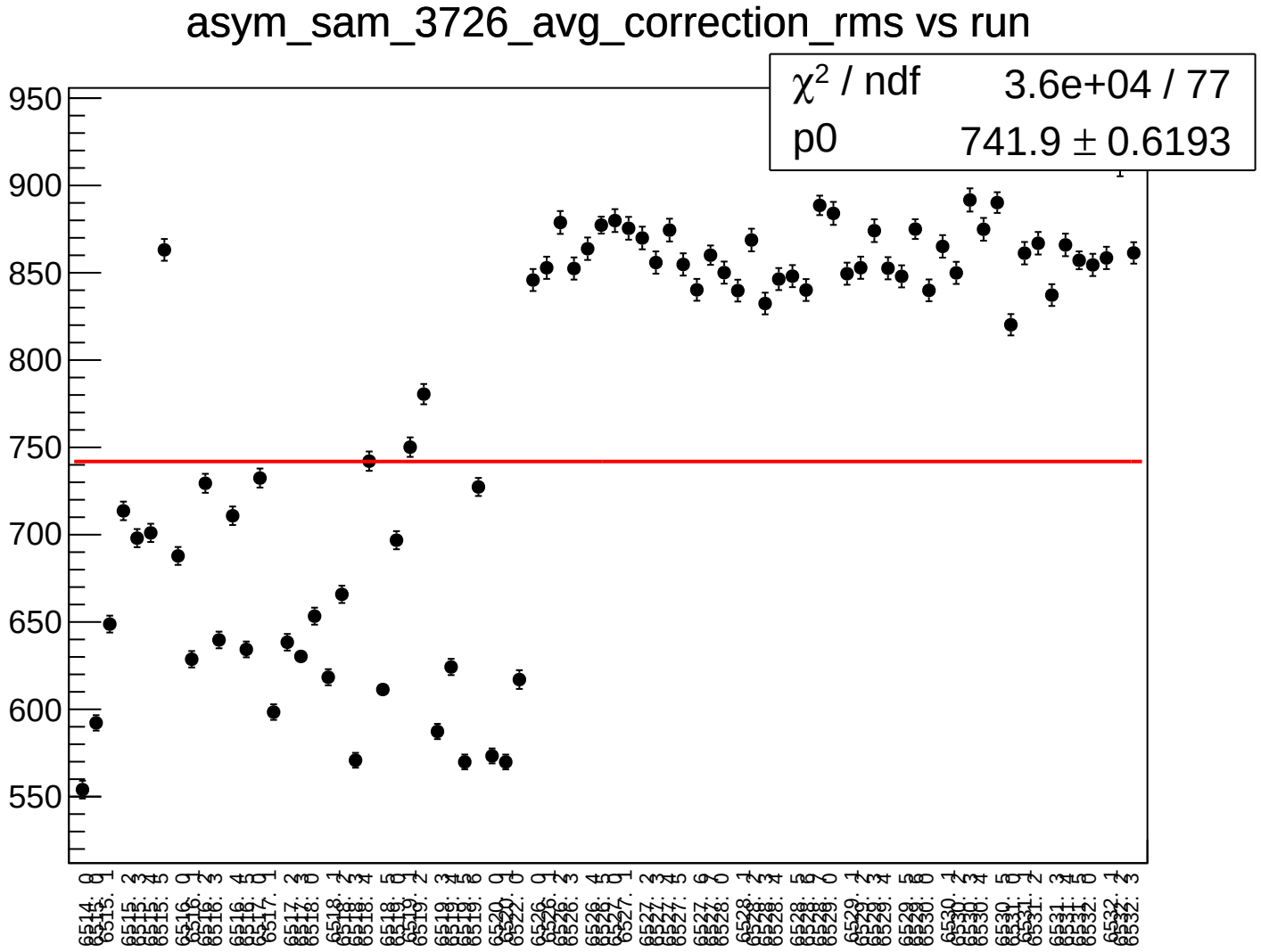

asym_sam_1526_avg_rms vs run
χ2 / ndf 4.361e+04 / 77
p0 368.9 ± 0.3088
450
400
350
300
250

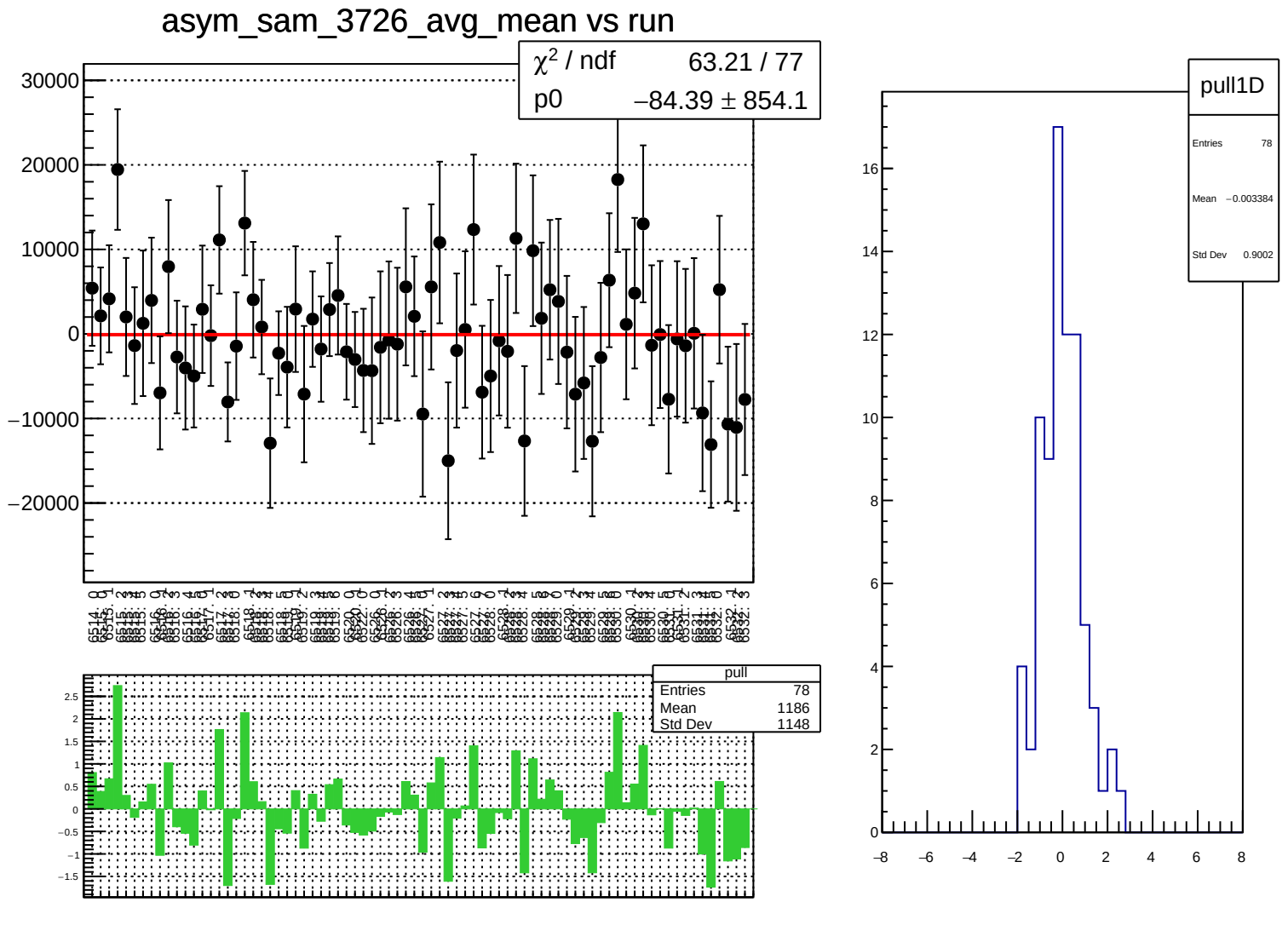

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 91.6 / 77
p0 128.9 ± 134.8
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 638.7
Std Dev 589.1
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.007711
Std Dev 1.084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

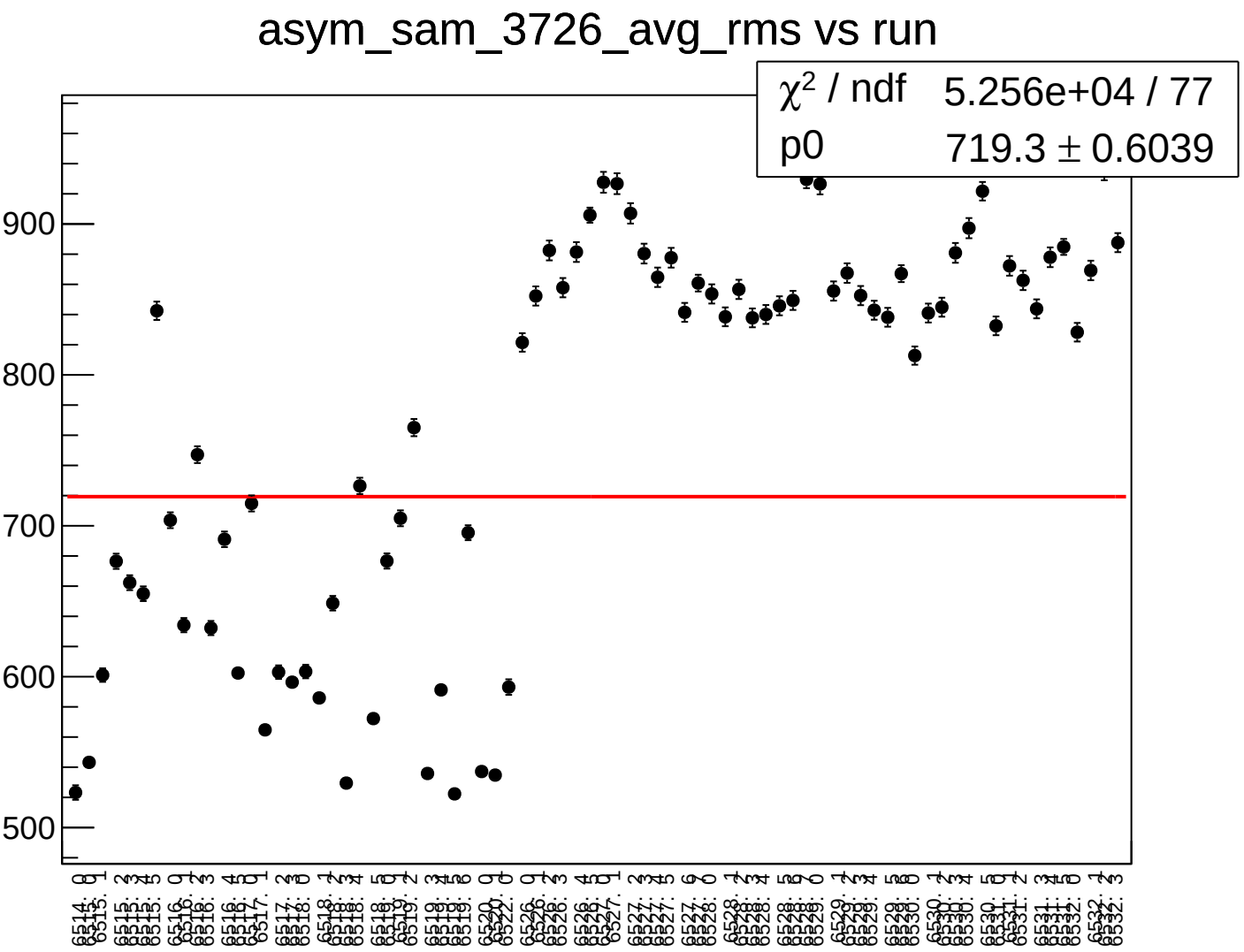
dit_asym_sam_3726_avg_rms vs run

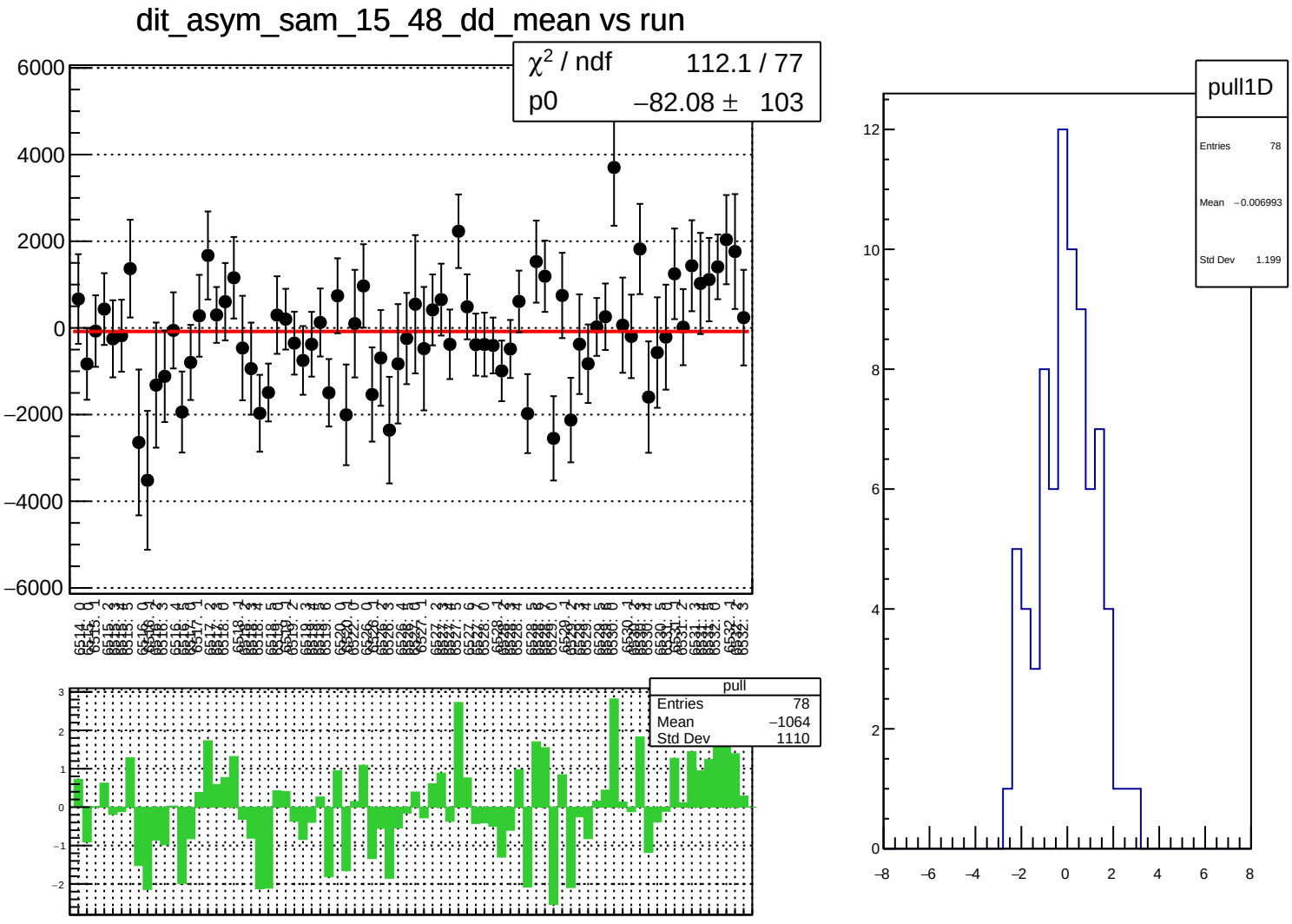



asym_sam_3726_avg_correction_mean vs run
χ² / ndf 63.85 / 77
p0 365.4 ± 875.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −396.8
Std Dev 432.4
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.007058
Std Dev 0.9047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

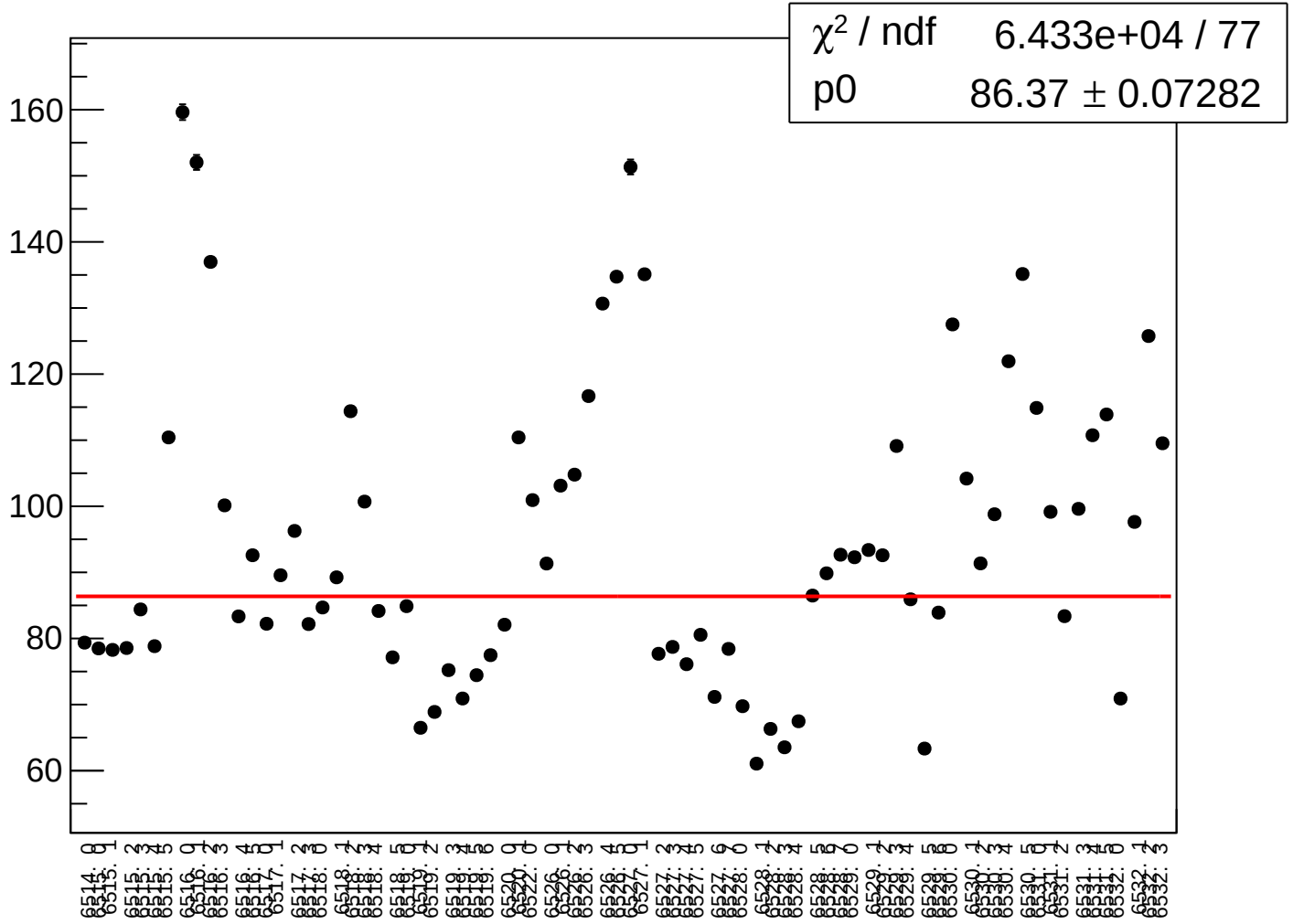

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3.6e+04 / 77
p0 741.9 ± 0.6193
950
900
850
800
750
700
650
600
550

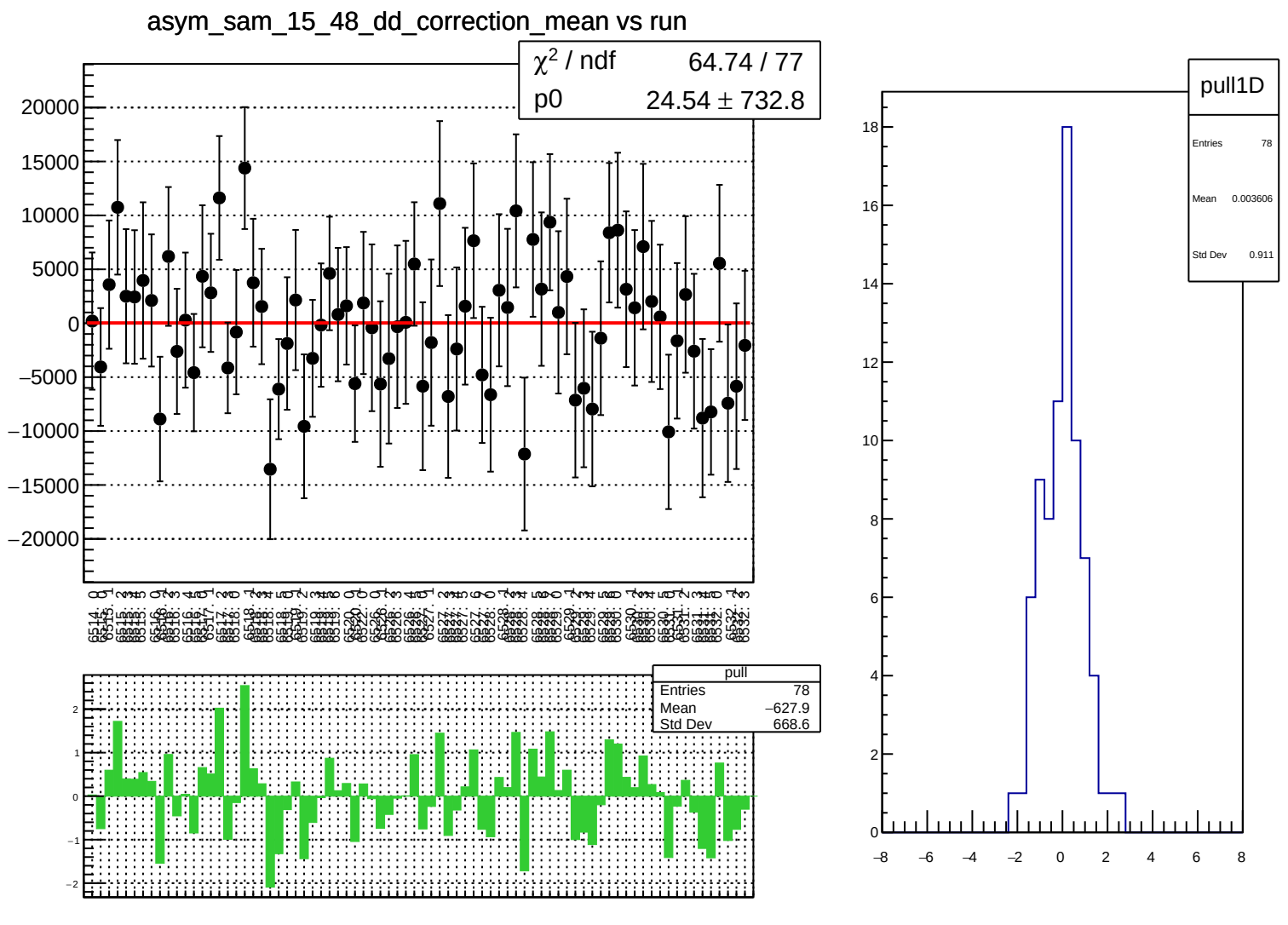

asym_sam_3726_avg_mean vs run
χ² / ndf 63.21 / 77
p0 −84.39 ± 854.1
pull
Entries 78
Mean 1186
Std Dev 1148
pull1D
Entries 78
Mean −0.003384
Std Dev 0.9002


asym_sam_3726_avg_rms vs run
χ^2 / ndf 5.256e+04 / 77
p0 719.3 ± 0.6039
900
800
700
600
500

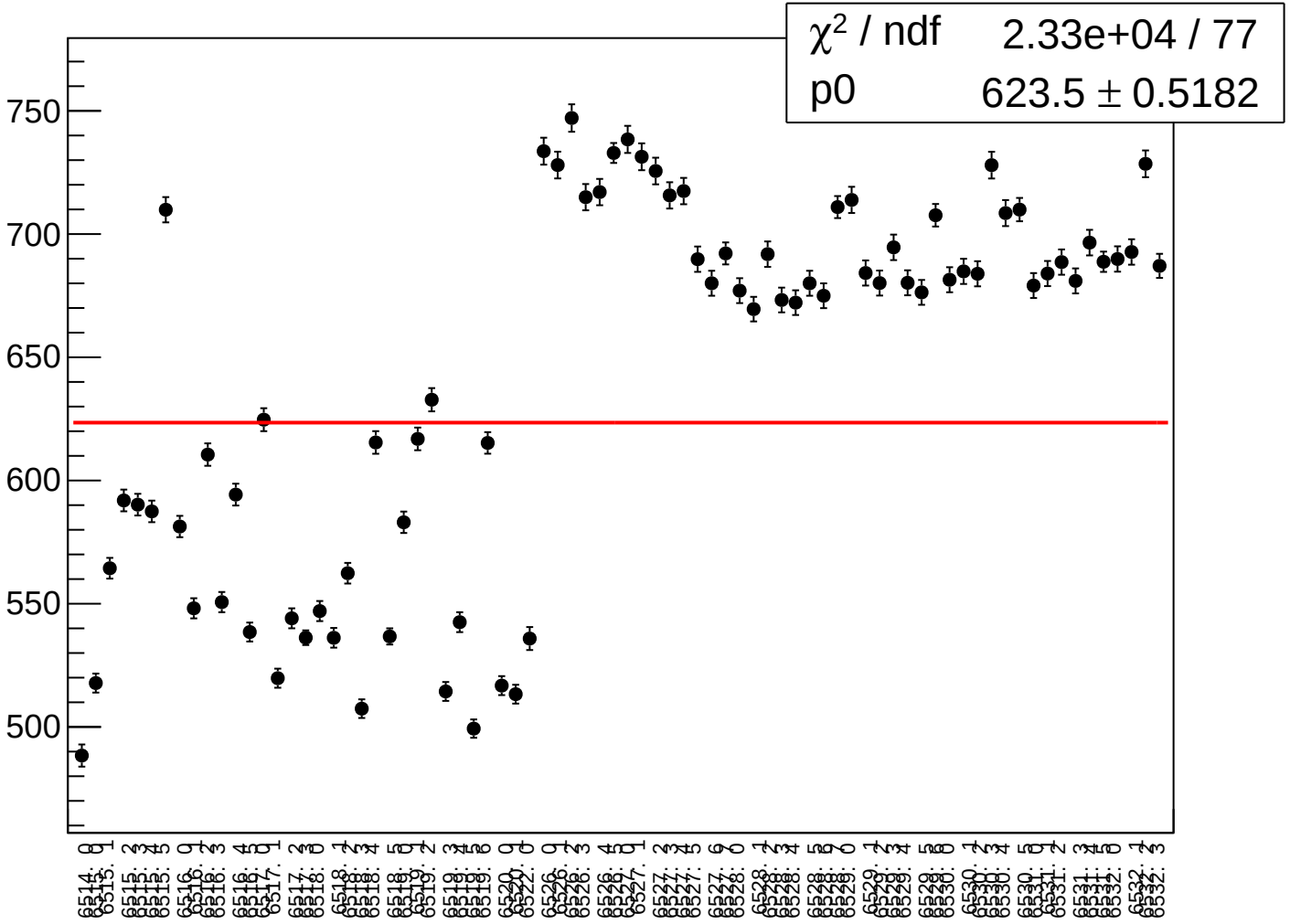

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 112.1 / 77
p0 −82.08 ± 103
pull
Entries 78
Mean −1064
Std Dev 1110
pull1D
Entries 78
Mean −0.006993
Std Dev 1.199

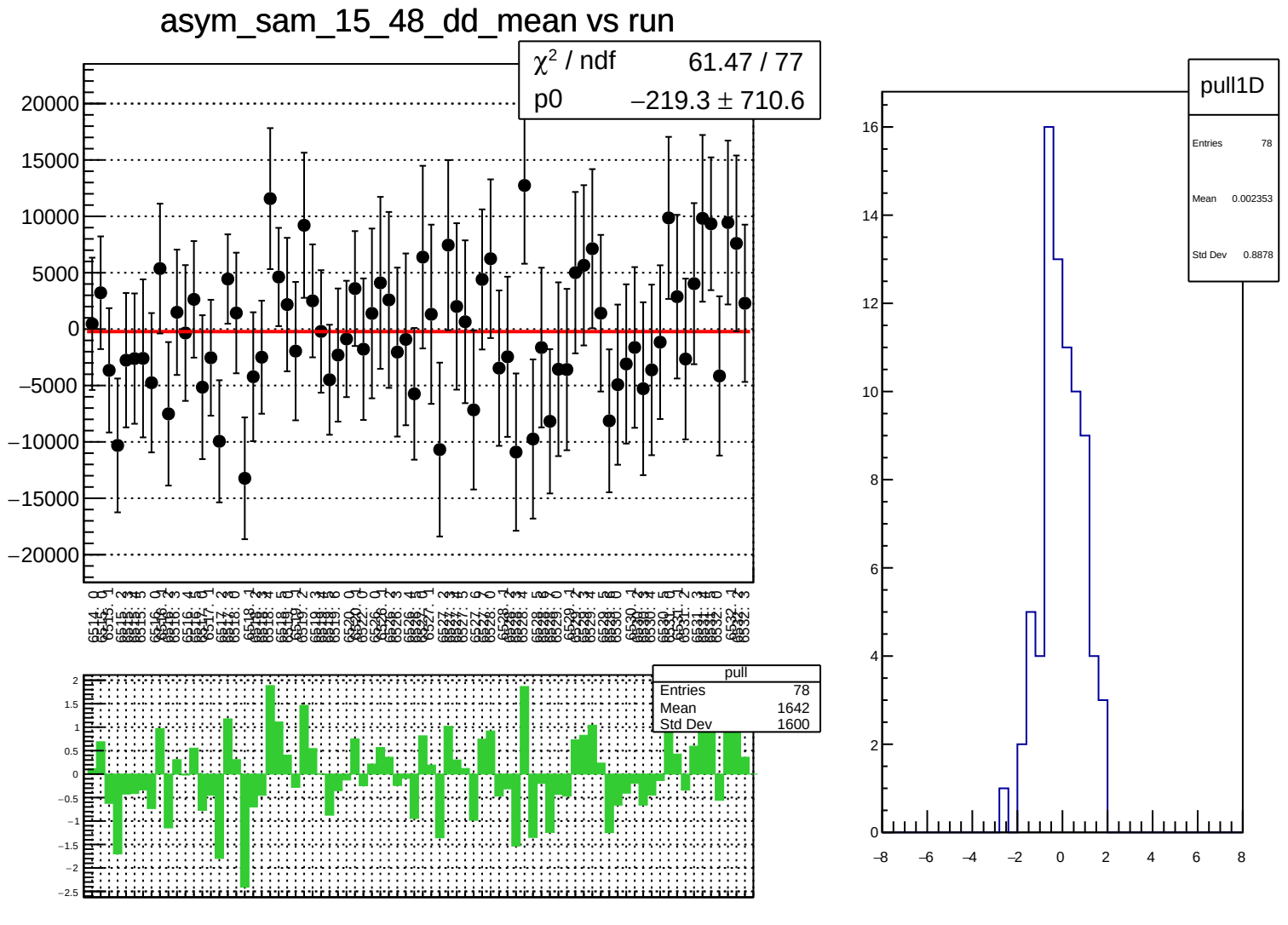
dit_asym_sam_15_48_dd_rms vs run

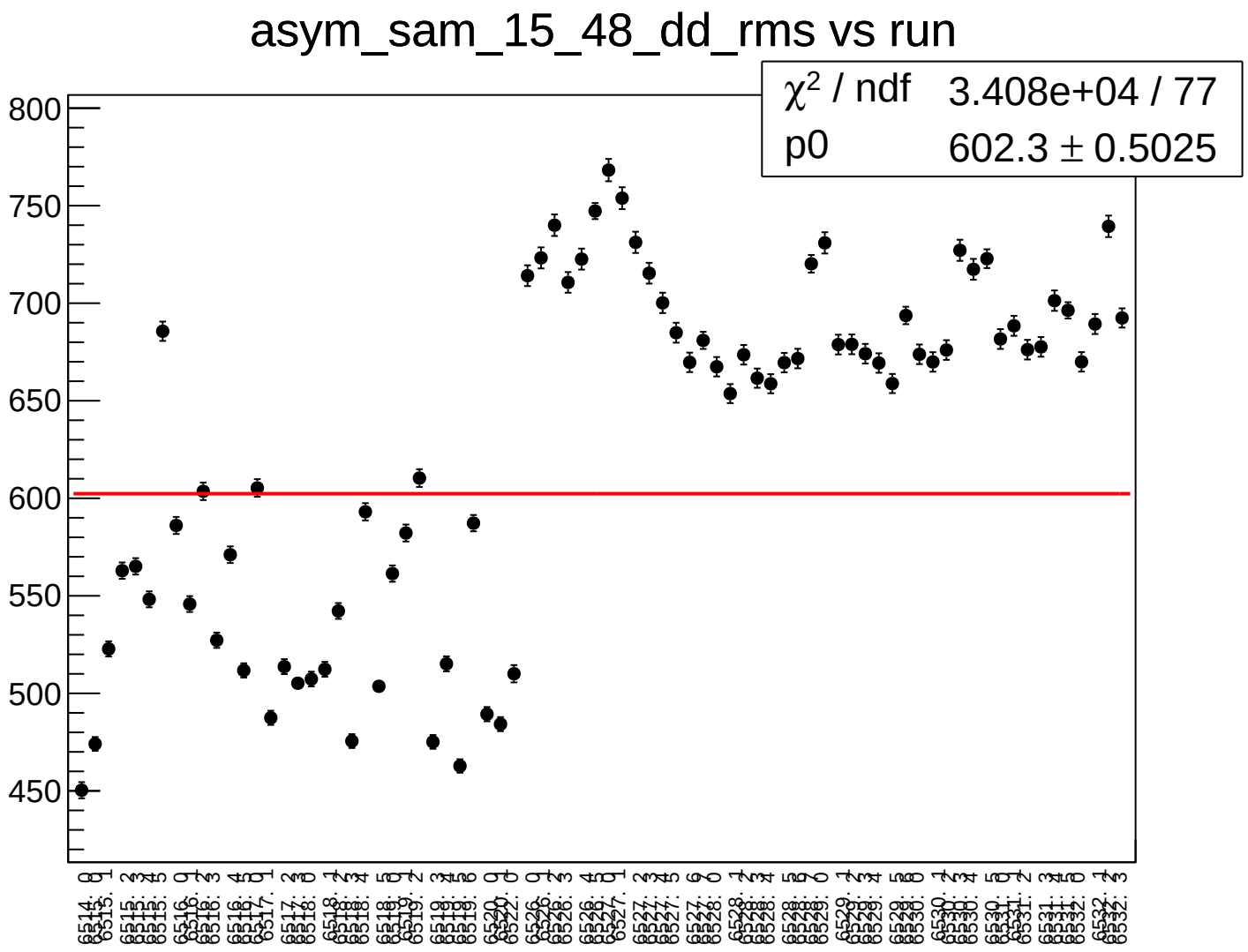


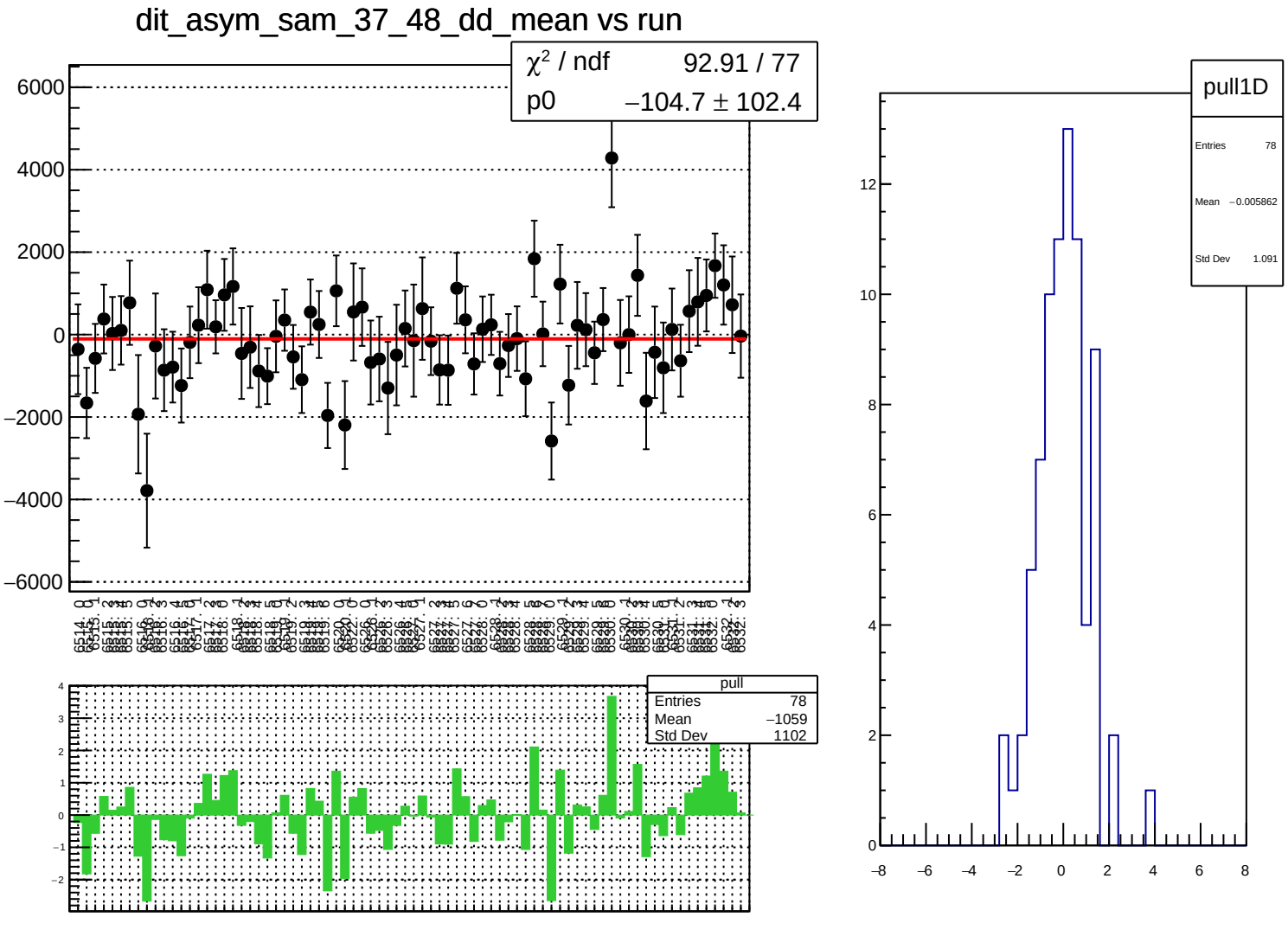

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 64.74 / 77
p0 24.54 ± 732.8
pull
Entries 78
Mean −627.9
Std Dev 668.6
pull1D
Entries 78
Mean 0.003606
Std Dev 0.911

asym_sam_15_48_dd_correction_rms vs run

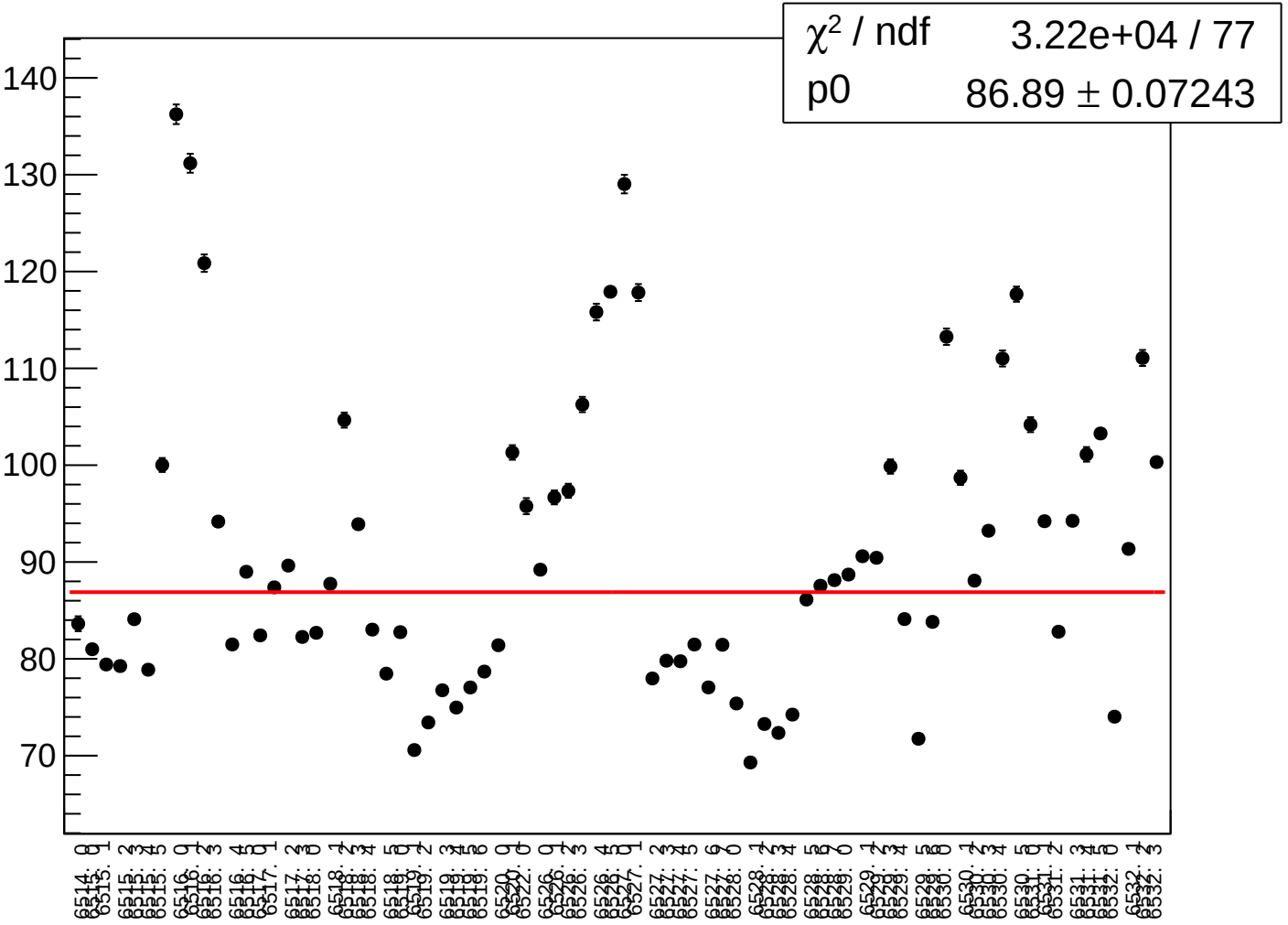


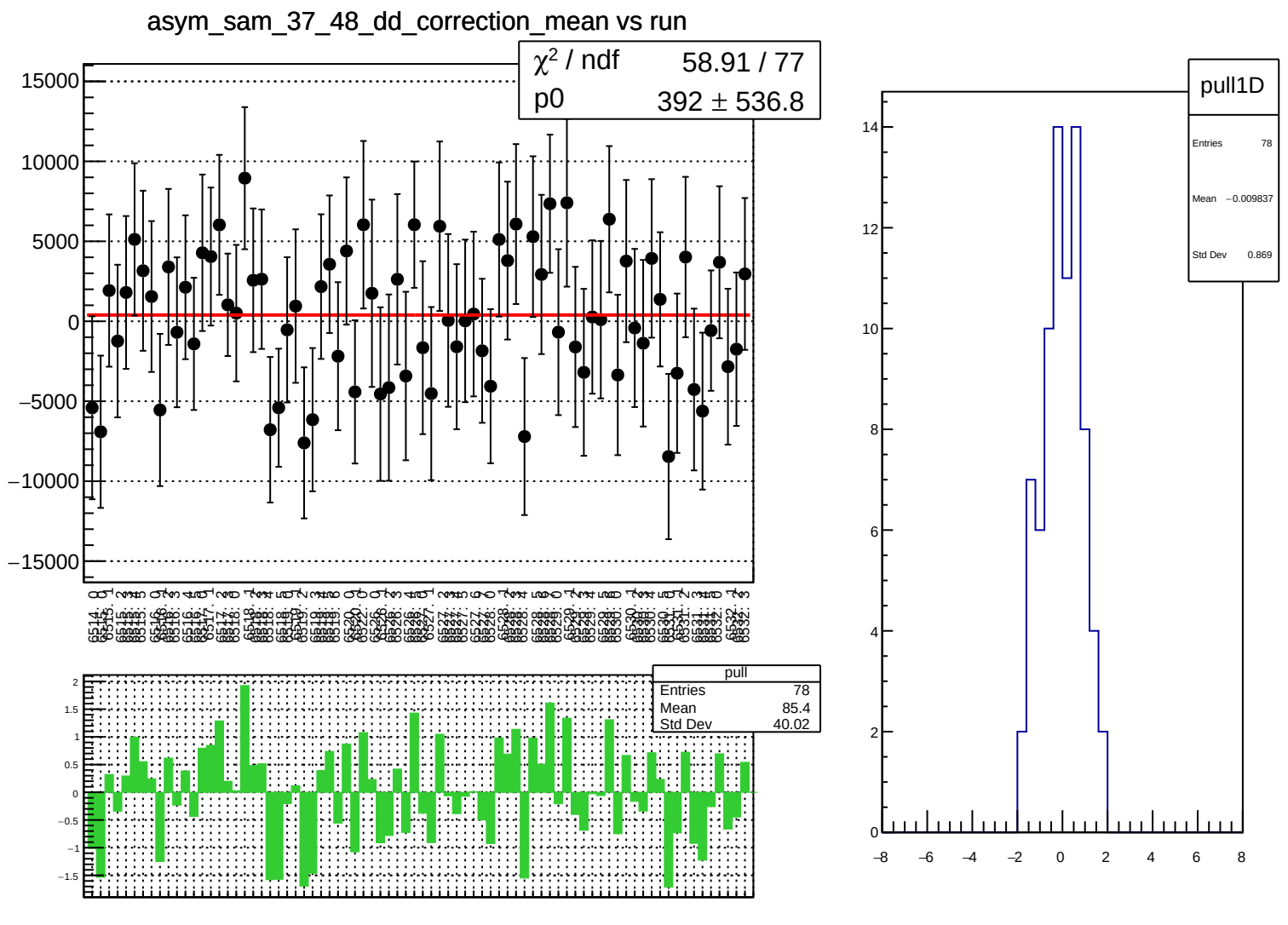

asym_sam_15_48_dd_mean vs run
χ² / ndf 61.47 / 77
p0 −219.3 ± 710.6
pull
Entries 78
Mean 1642
Std Dev 1600
pull1D
Entries 78
Mean 0.002353
Std Dev 0.8878

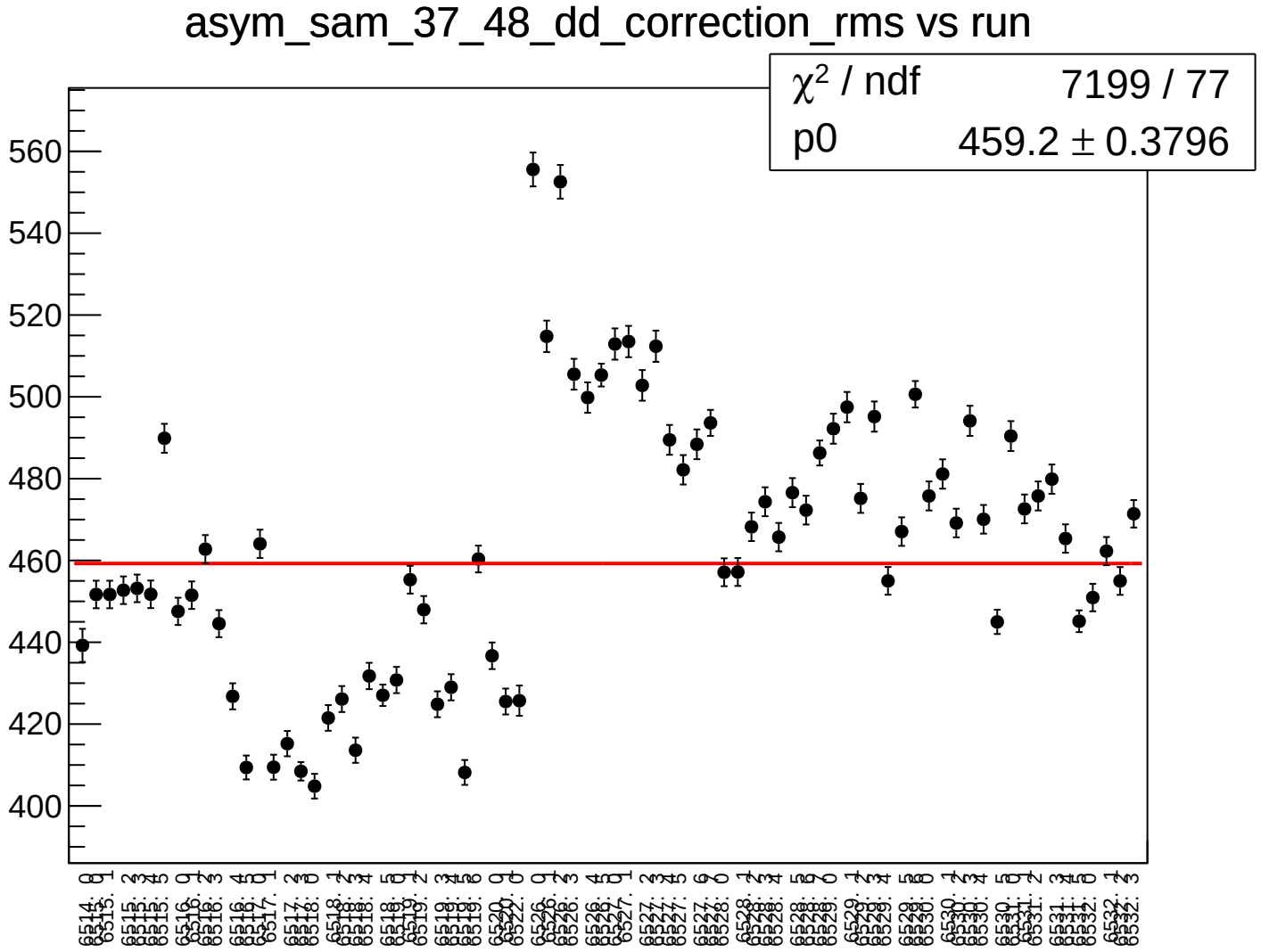

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 3.408e+04 / 77
p0 602.3 ± 0.5025
800
750
700
650
600
550
500
450

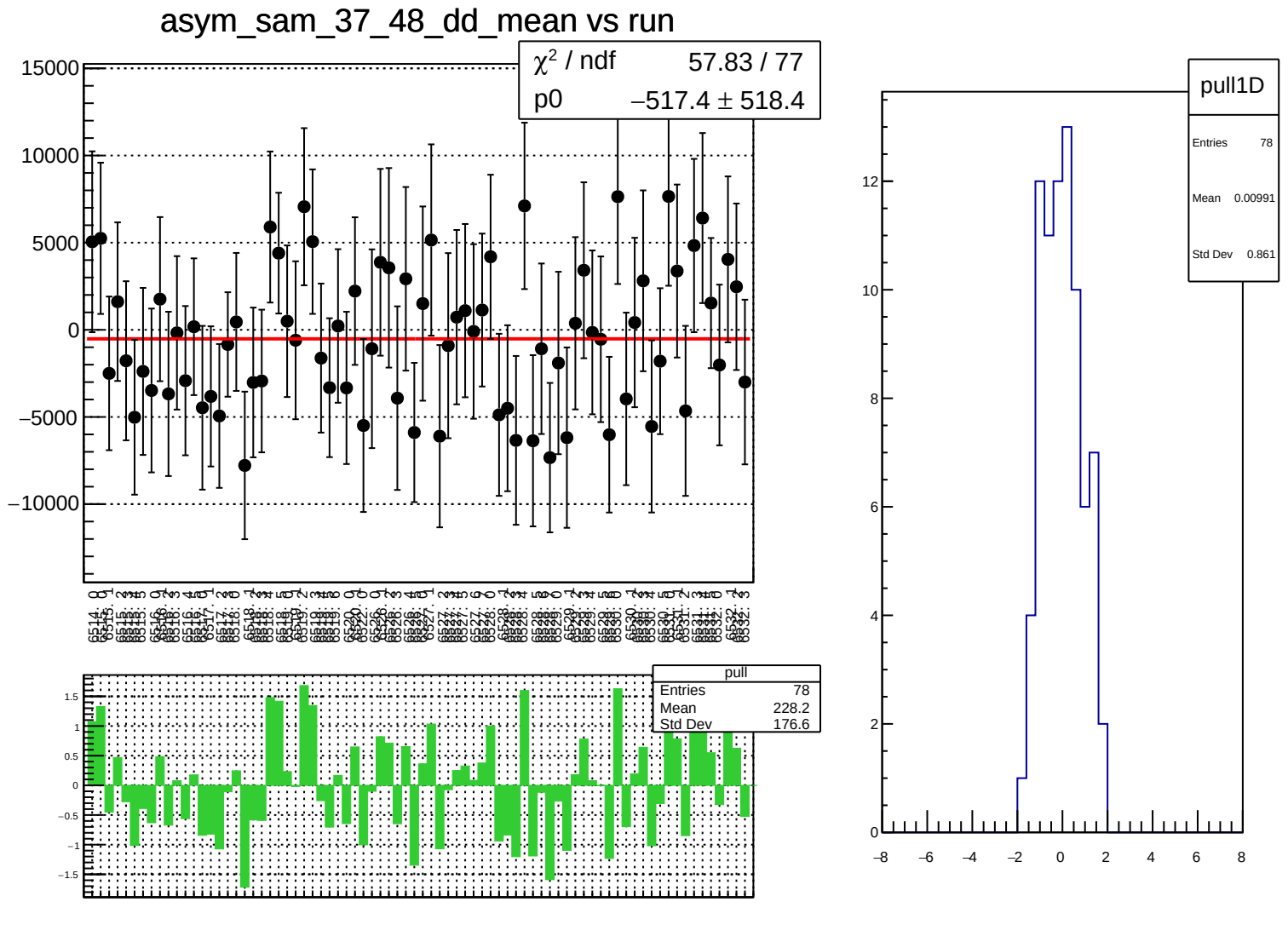

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 92.91 / 77
p0 −104.7 ± 102.4
pull
Entries 78
Mean −1059
Std Dev 1102
pull1D
Entries 78
Mean −0.005862
Std Dev 1.091

dit_asym_sam_37_48_dd_rms vs run

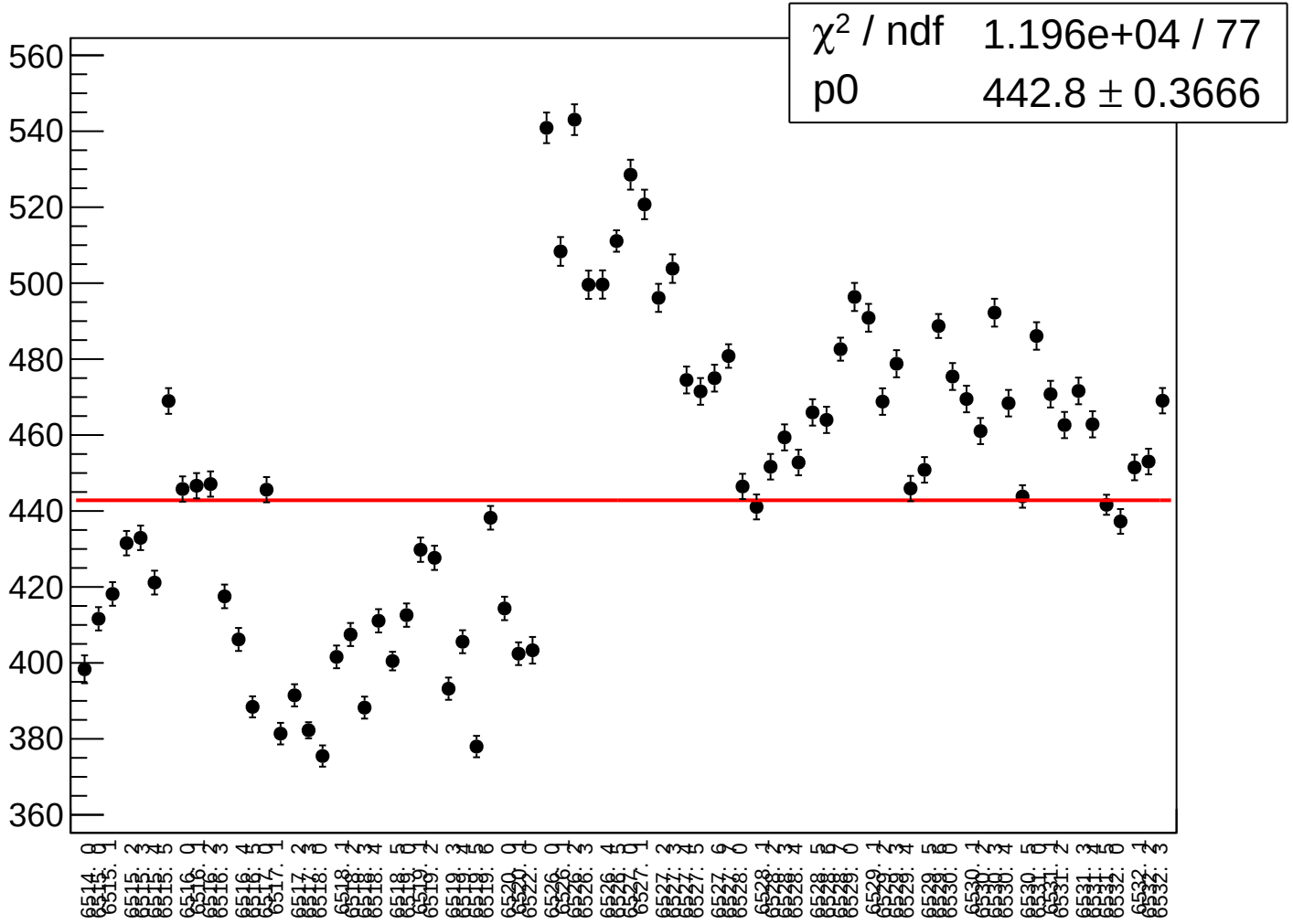


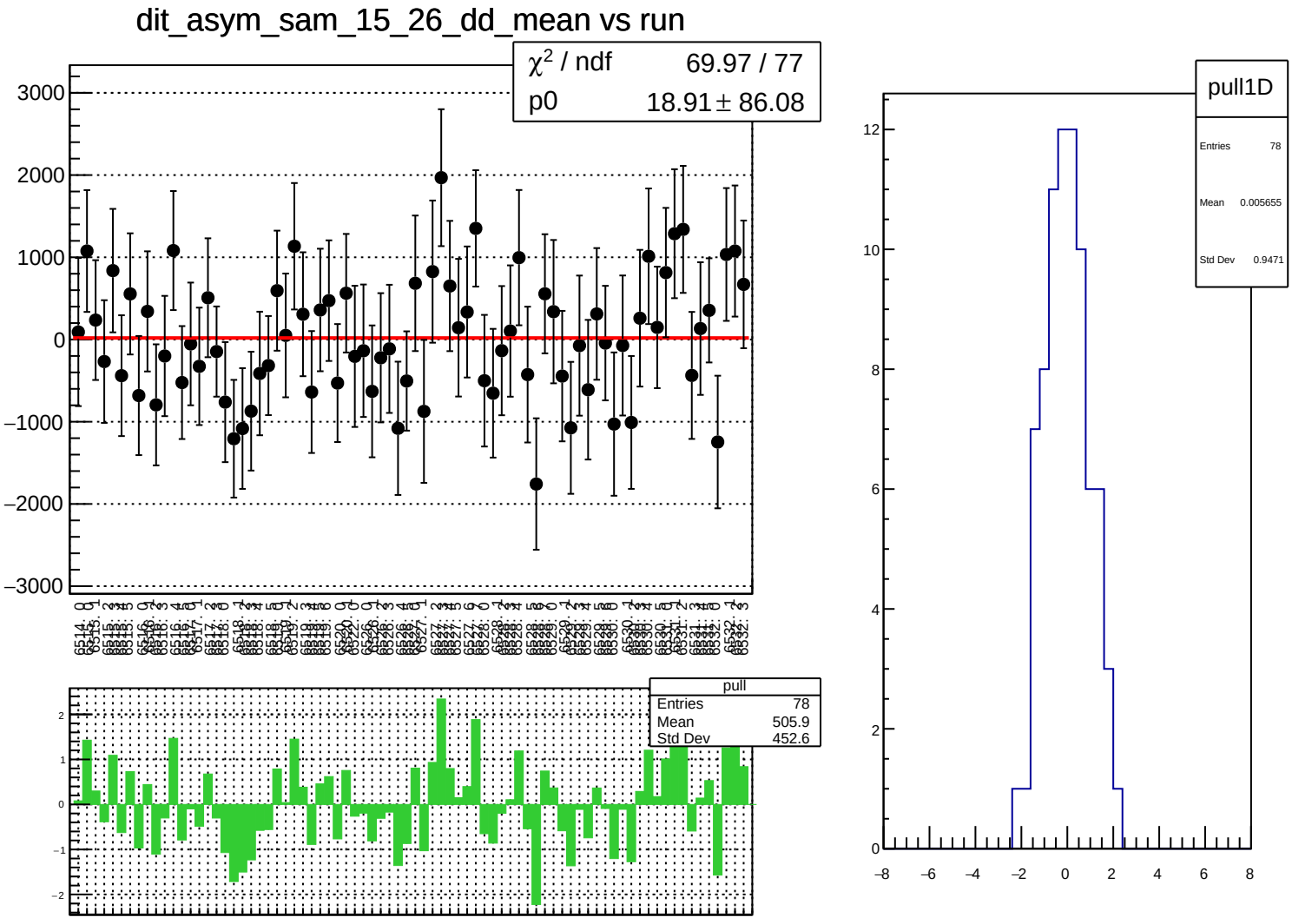

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 58.91 / 77
p0 392 ± 536.8
pull
Entries 78
Mean 85.4
Std Dev 40.02
pull1D
Entries 78
Mean −0.009837
Std Dev 0.869


asym_sam_37_48_dd_correction_rms vs run
χ2 / ndf 7199 / 77
p0 459.2 ± 0.3796
560
540
520
500
480
460
440
420
400

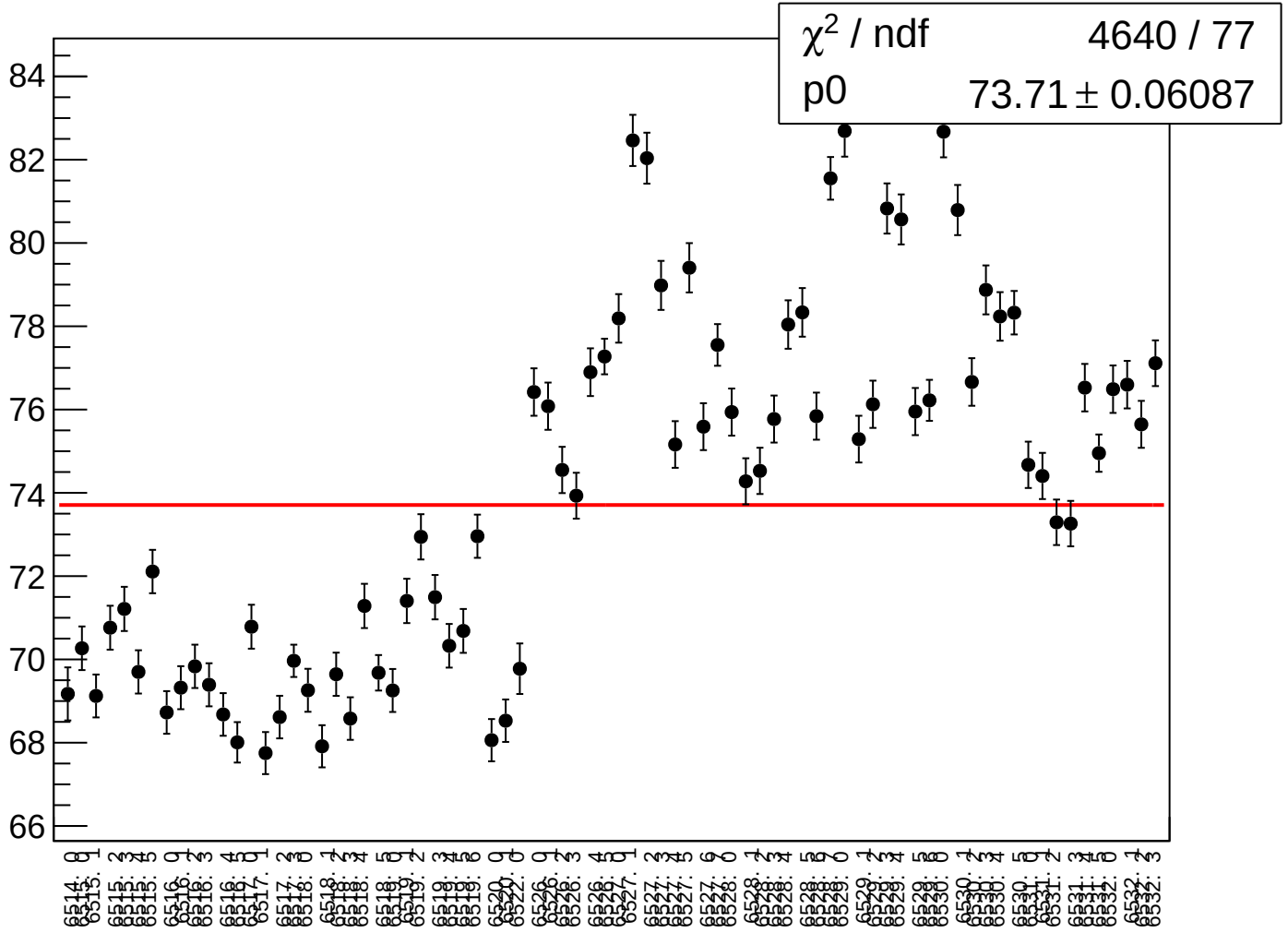

asym_sam_37_48_dd_mean vs run
χ² / ndf 57.83 / 77
p0 −517.4 ± 518.4
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 228.2
Std Dev 176.6
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.00991
Std Dev 0.861
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

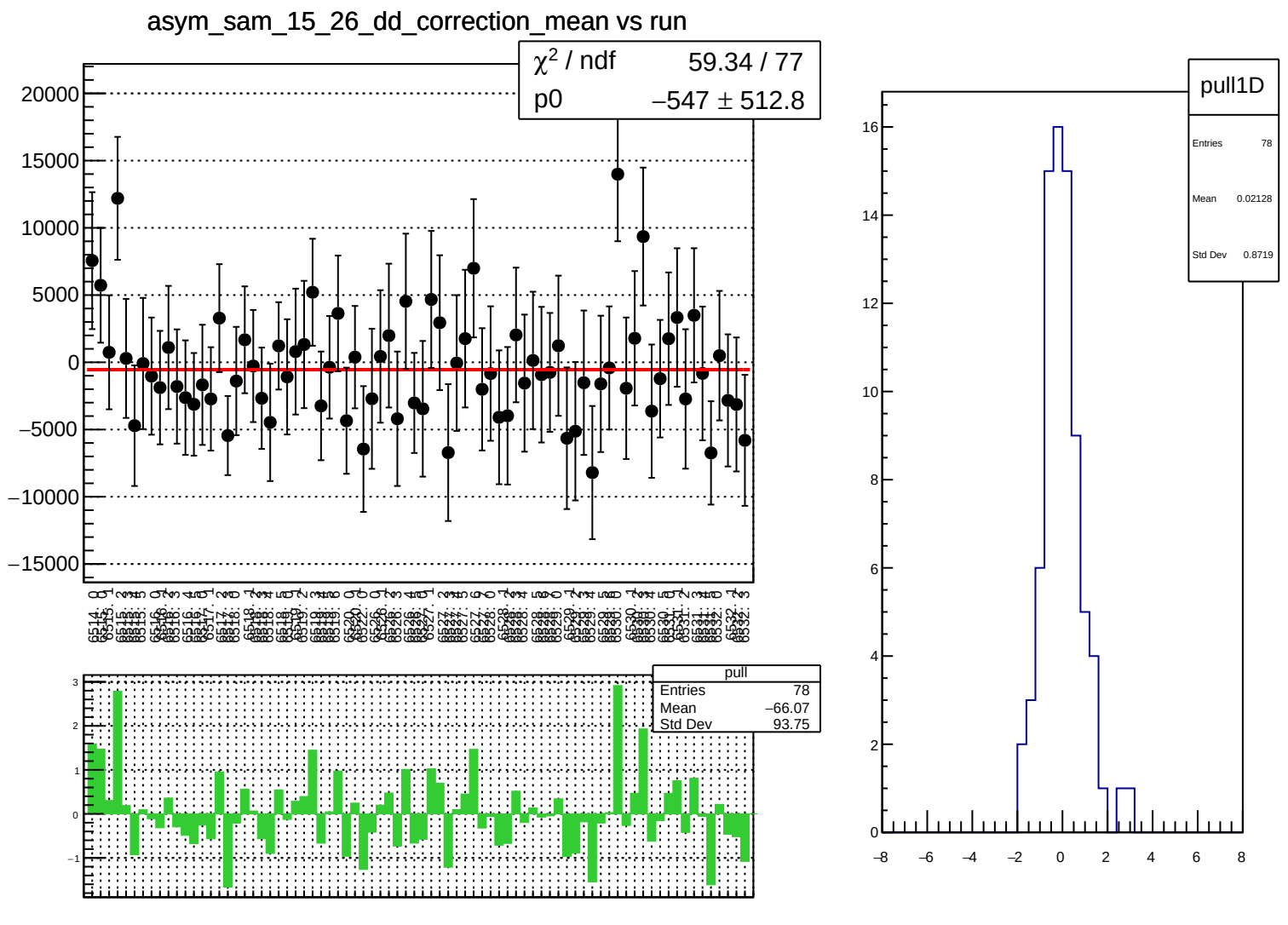
asym_sam_37_48_dd_rms vs run

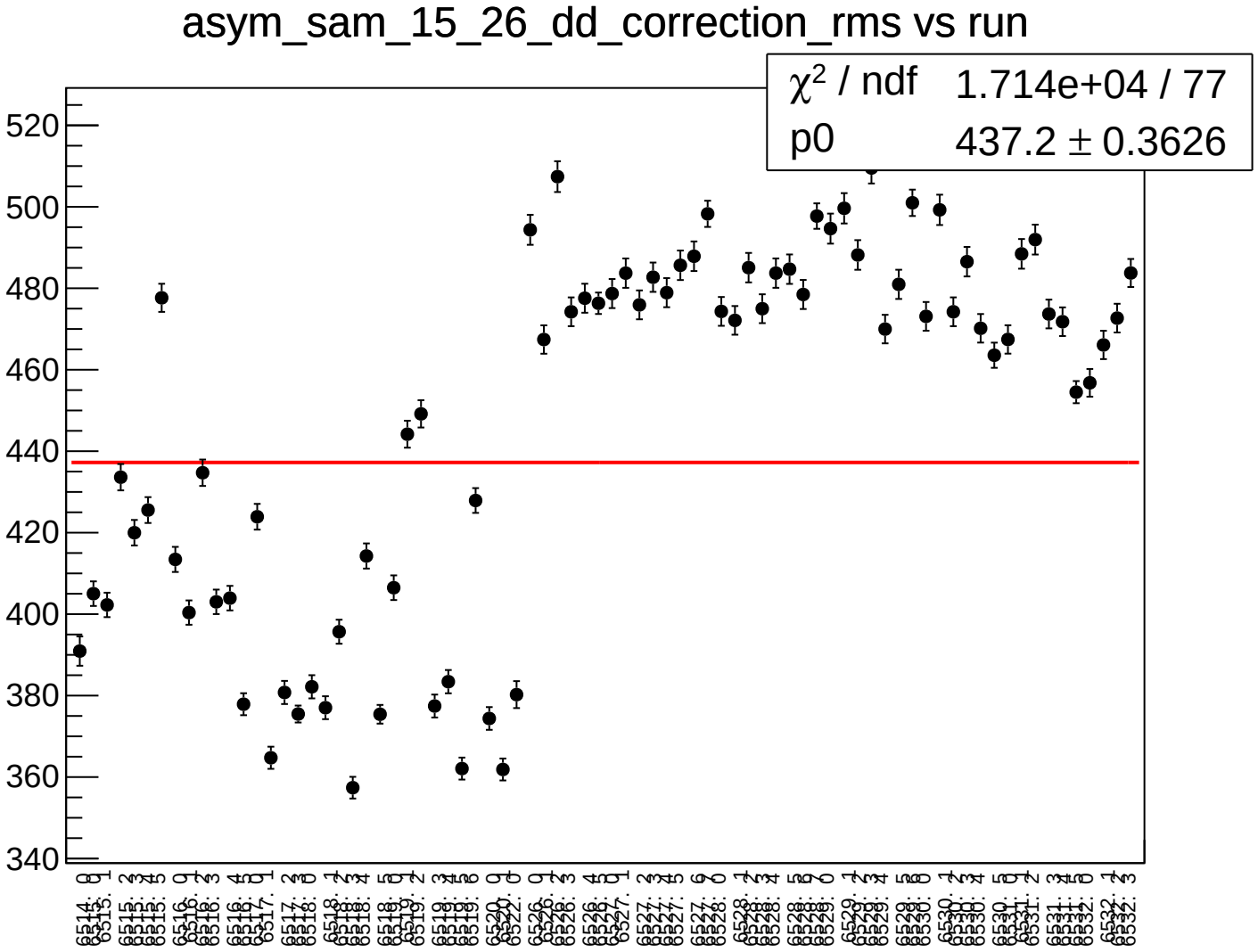


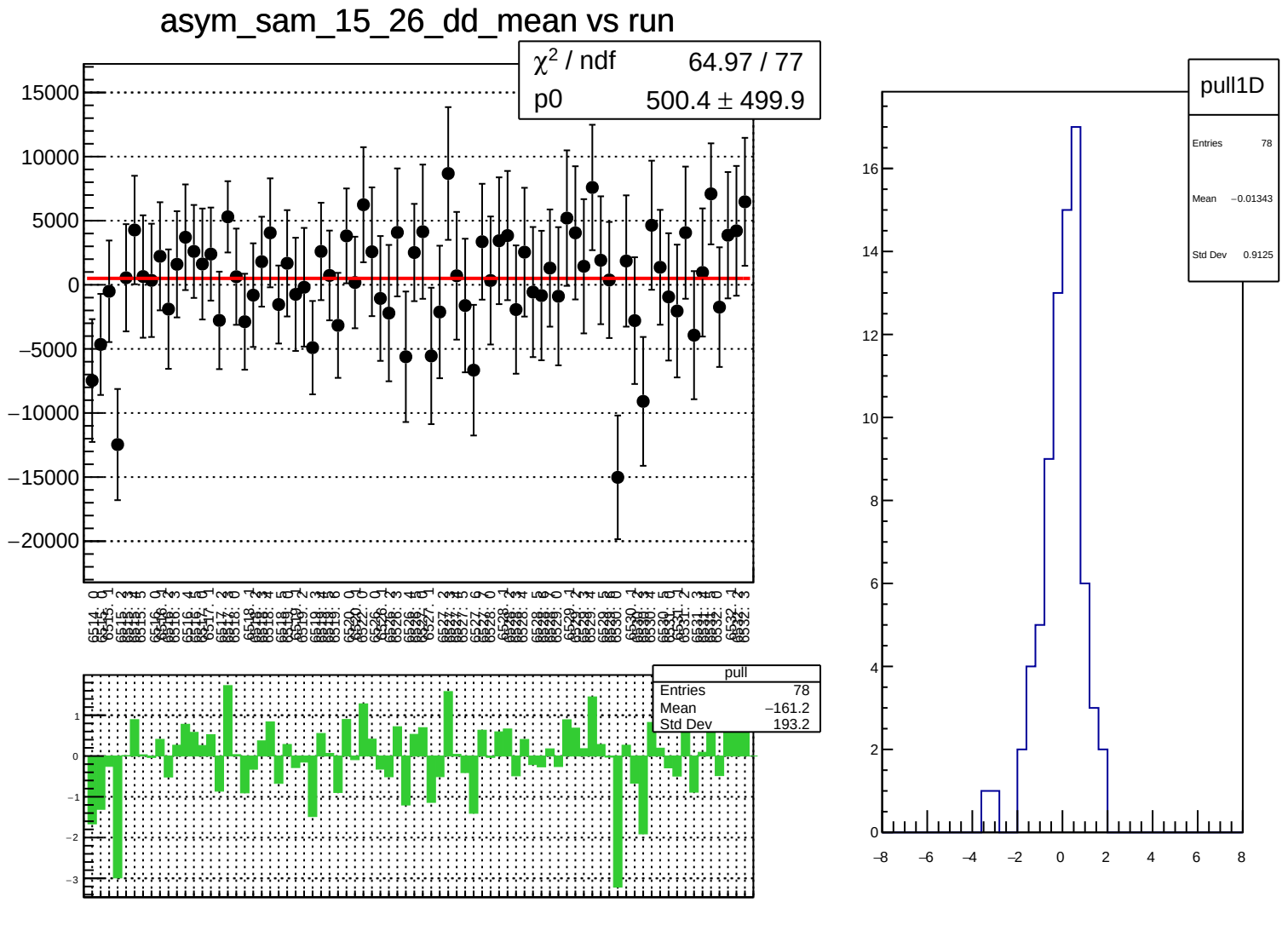

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.97 / 77
p0 18.91 ± 86.08
pull
Entries 78
Mean 505.9
Std Dev 452.6
pull1D
Entries 78
Mean 0.005655
Std Dev 0.9471

dit_asym_sam_15_26_dd_rms vs run

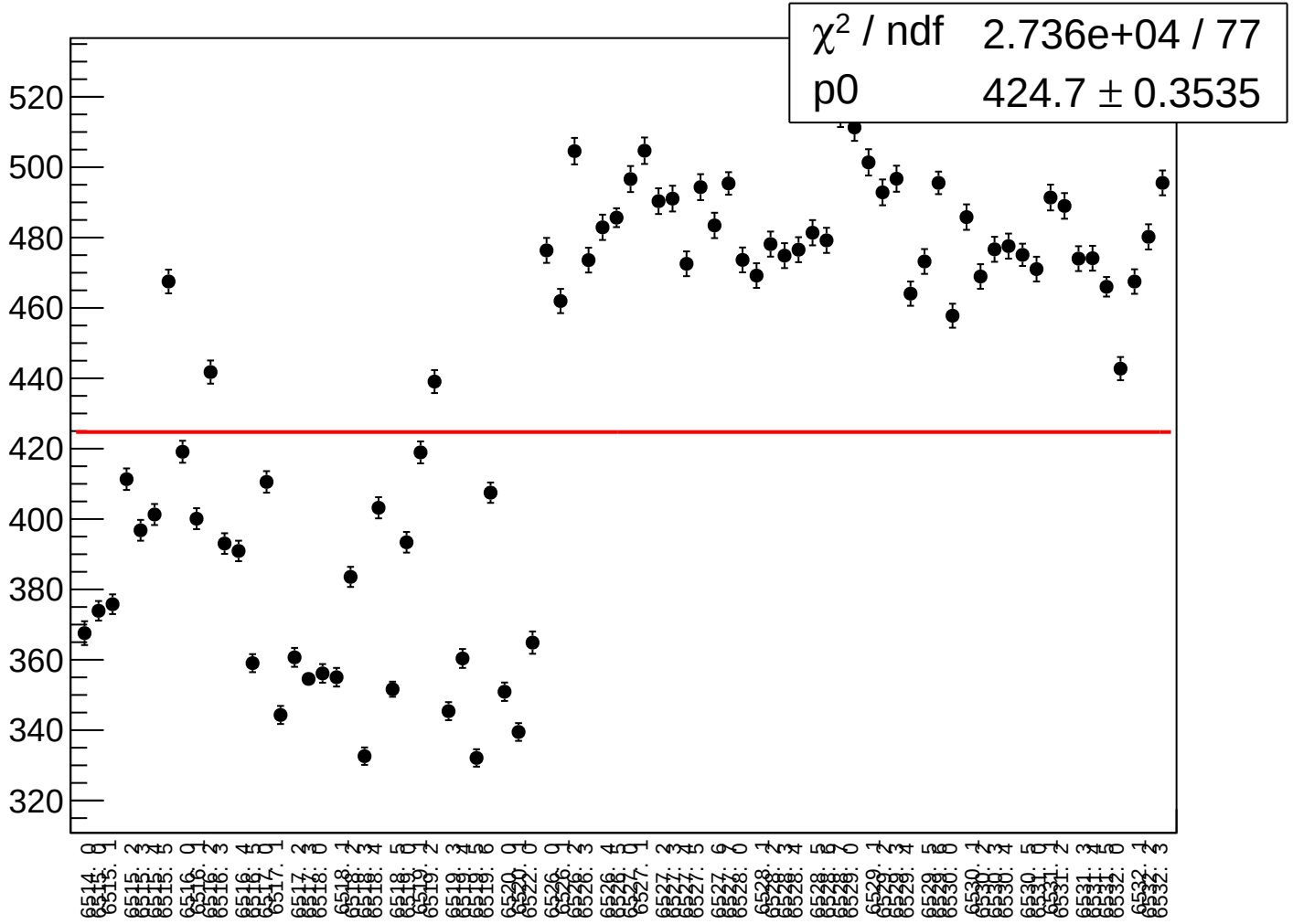


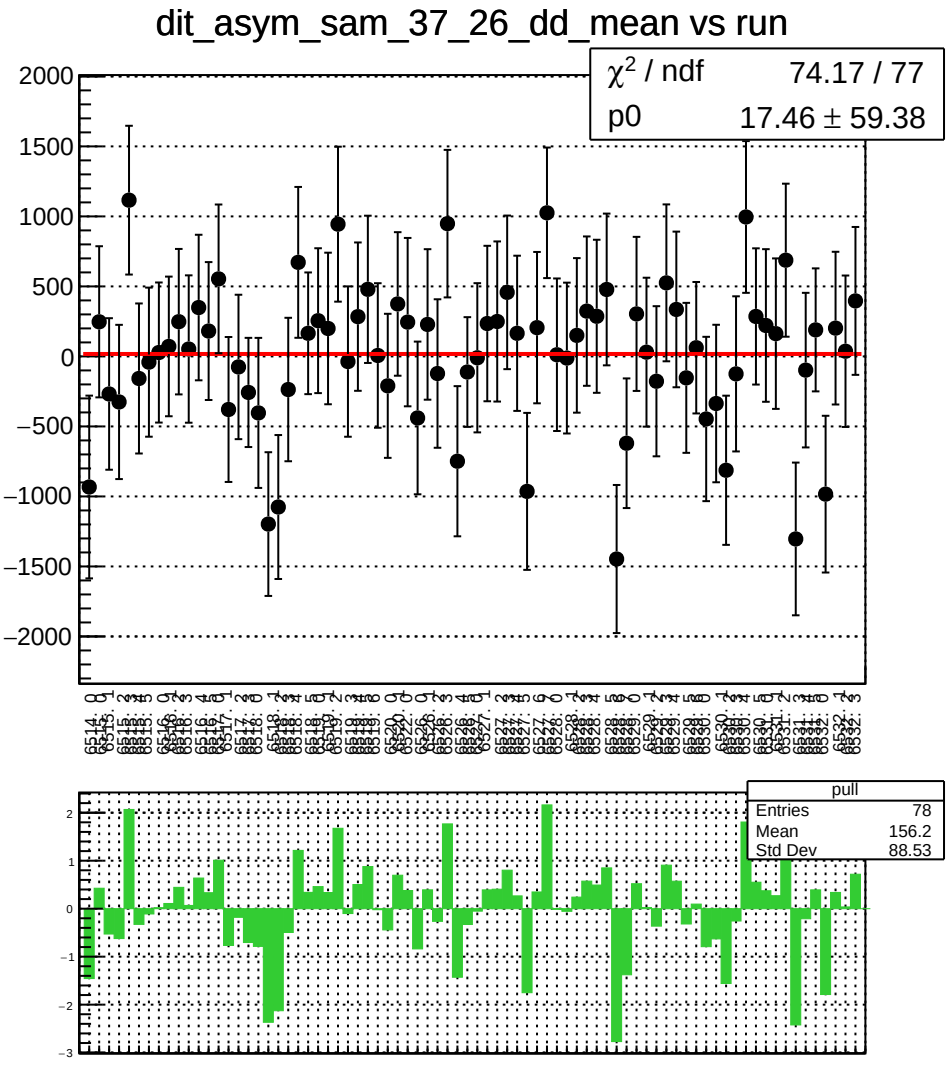

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 59.34 / 77
p0 −547 ± 512.8
pull
Entries 78
Mean −66.07
Std Dev 93.75
pull1D
Entries 78
Mean 0.02128
Std Dev 0.8719

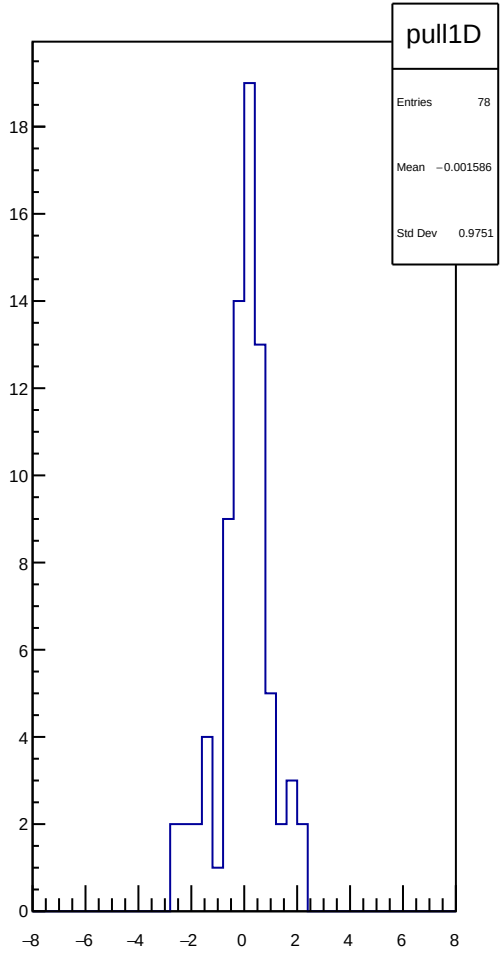

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 1.714e+04 / 77
p0 437.2 ± 0.3626
520
500
480
460
440
420
400
380
360
340


asym_sam_15_26_dd_mean vs run
χ² / ndf 64.97 / 77
p0 500.4 ± 499.9
pull
Entries 78
Mean −161.2
Std Dev 193.2
pull1D
Entries 78
Mean −0.01343
Std Dev 0.9125

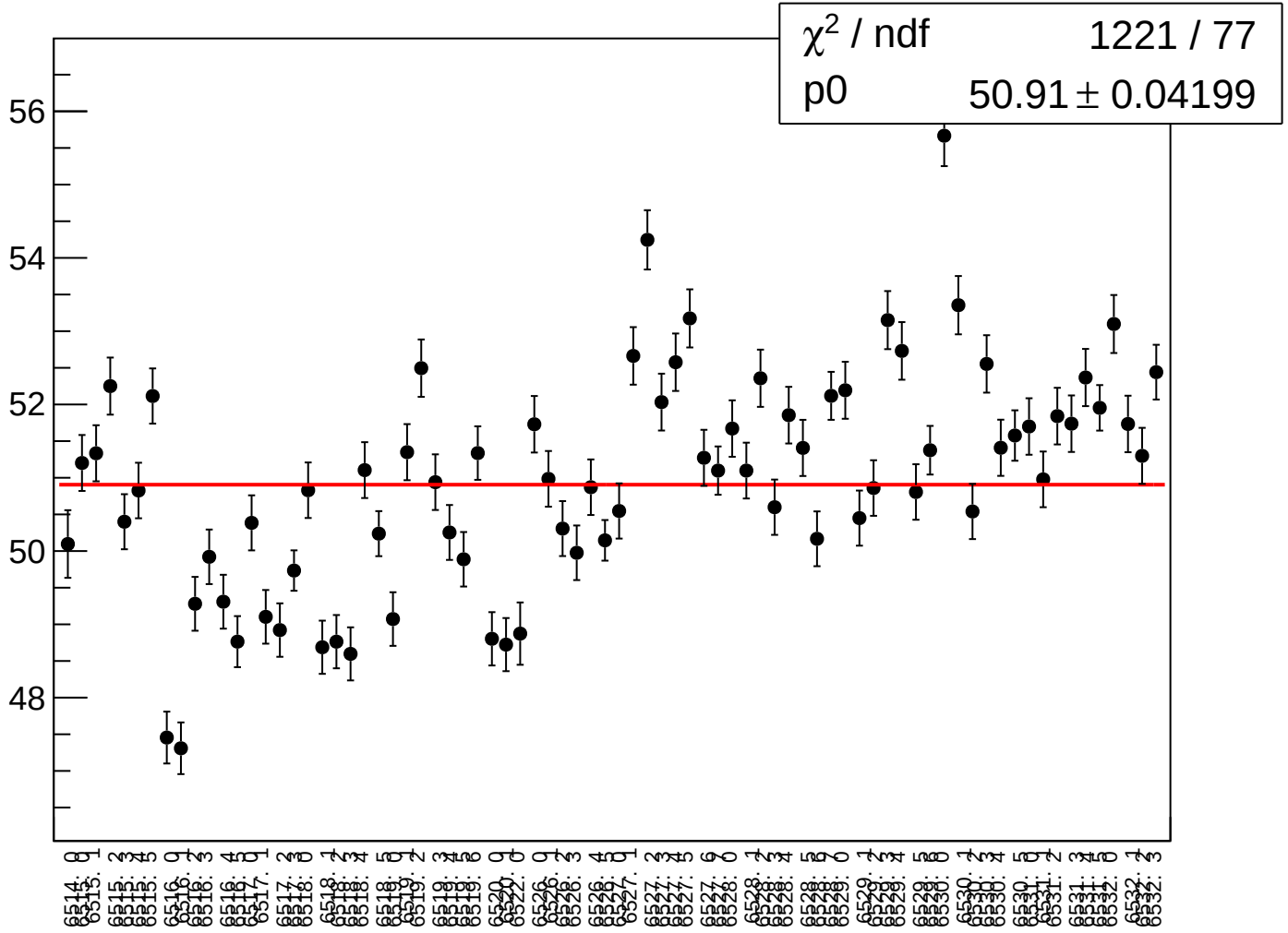
asym_sam_15_26_dd_rms vs run

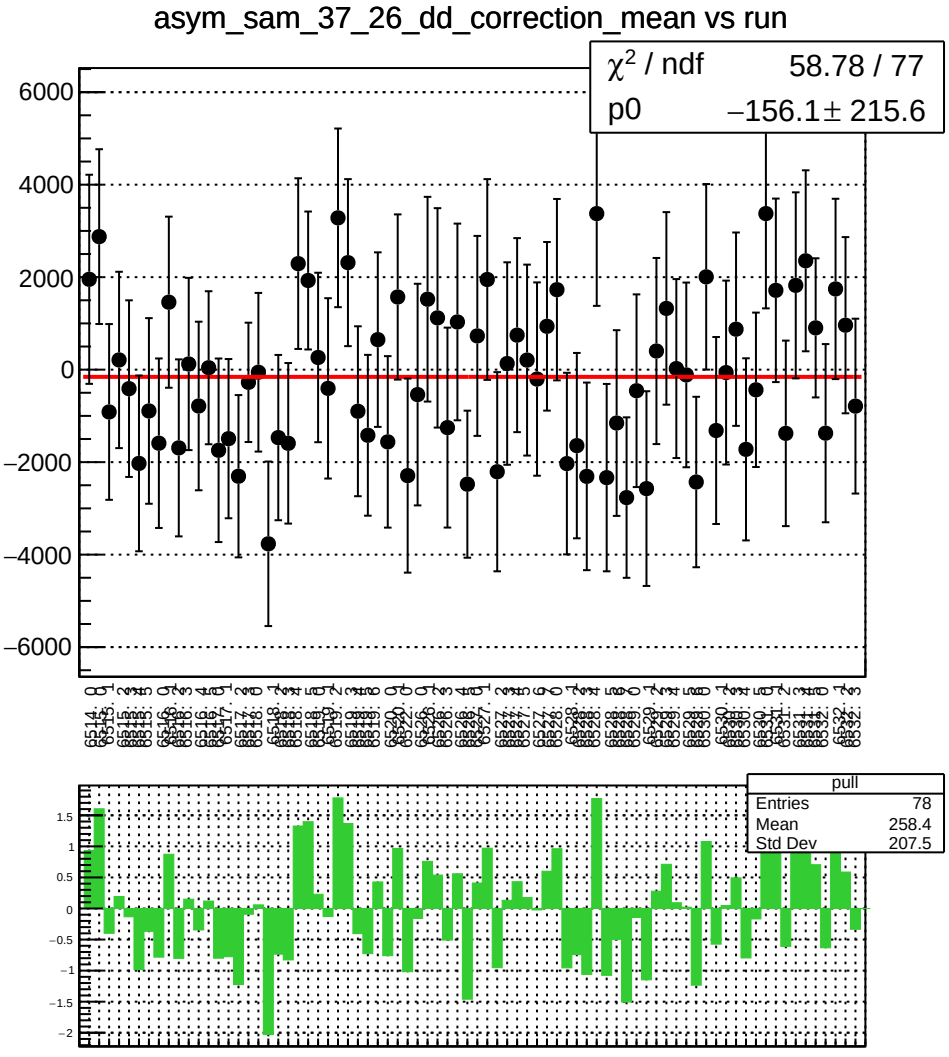


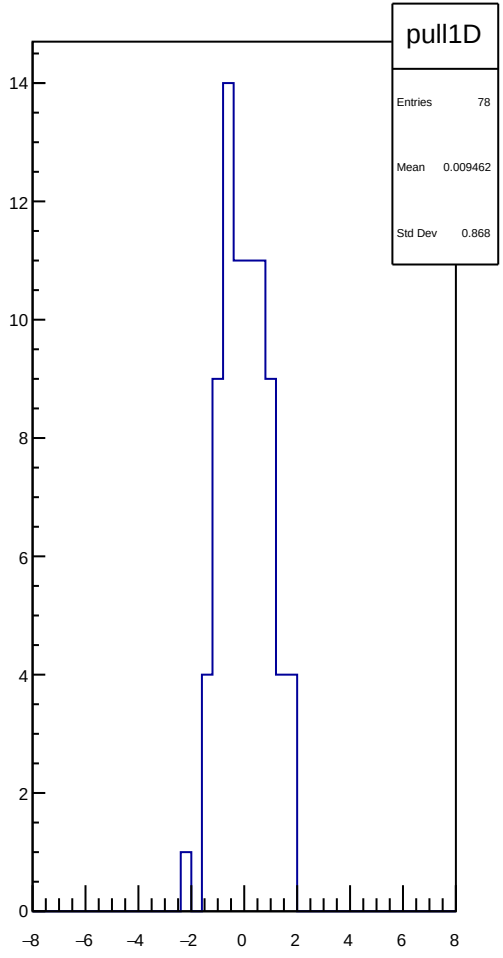

dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 74.17 / 77
p0 17.46 ± 59.38
pull
Entries 78
Mean 156.2
Std Dev 88.53

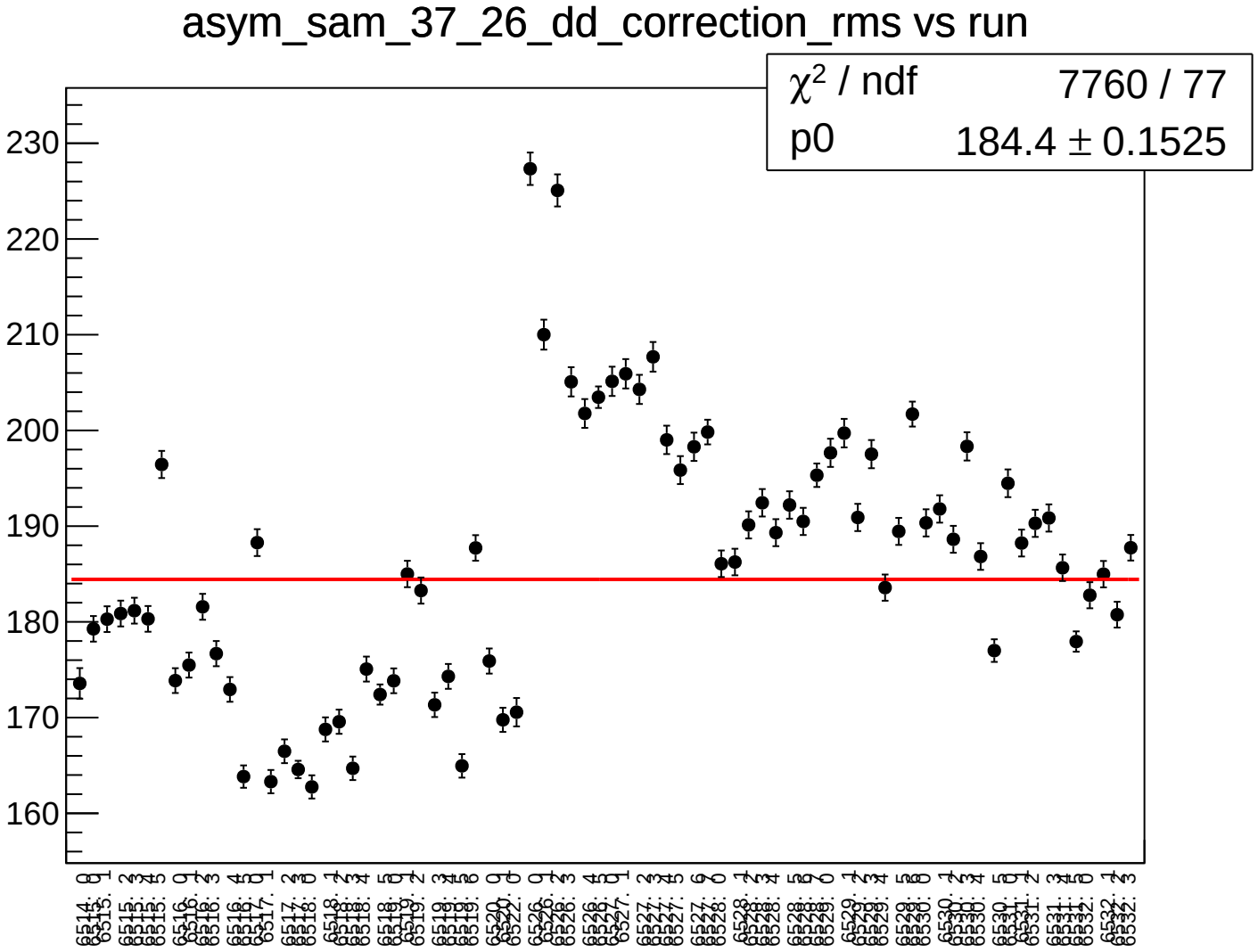

pull1D
Entries 78
Mean −0.001586
Std Dev 0.9751

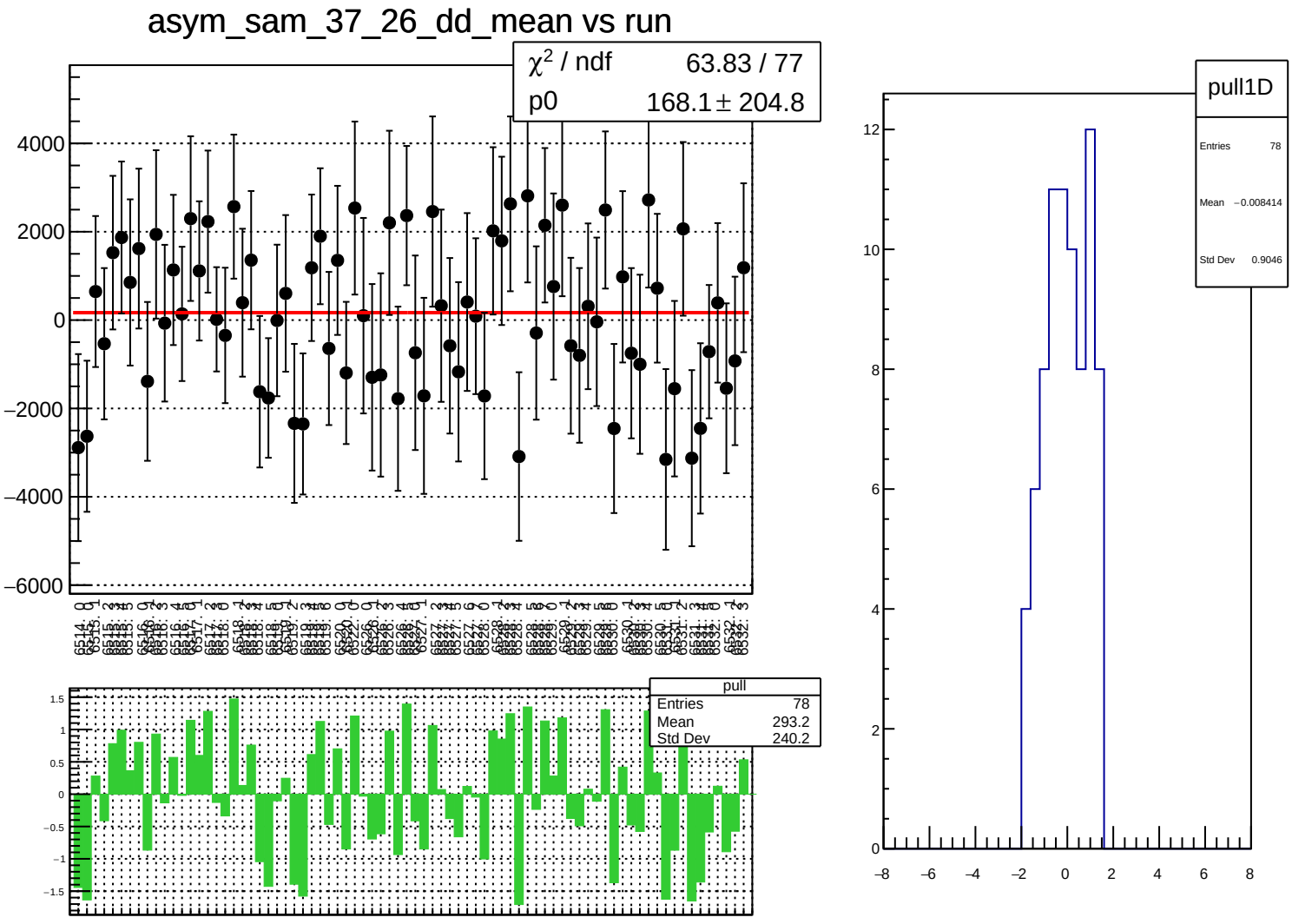
dit_asym_sam_37_26_dd_rms vs run

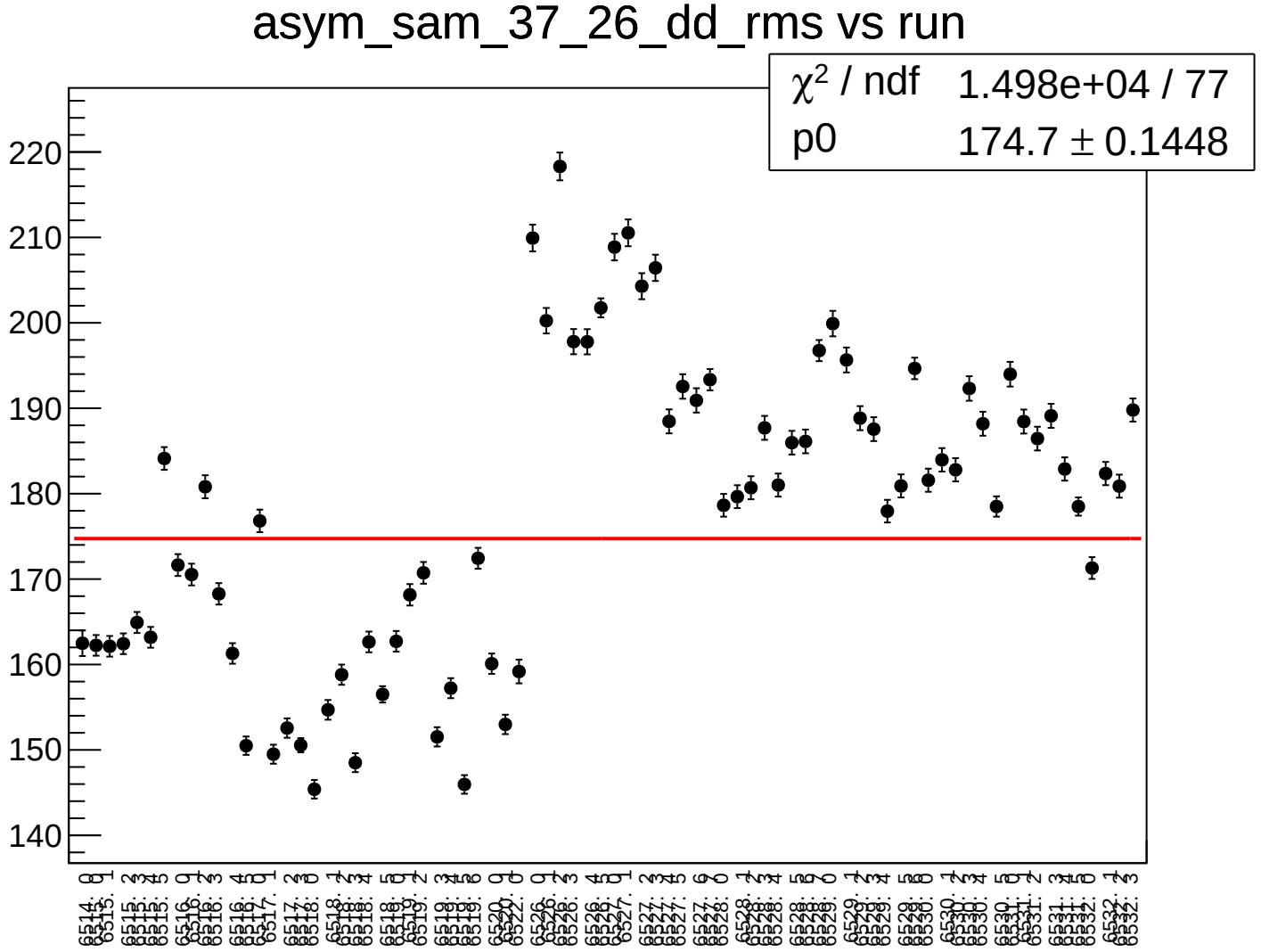


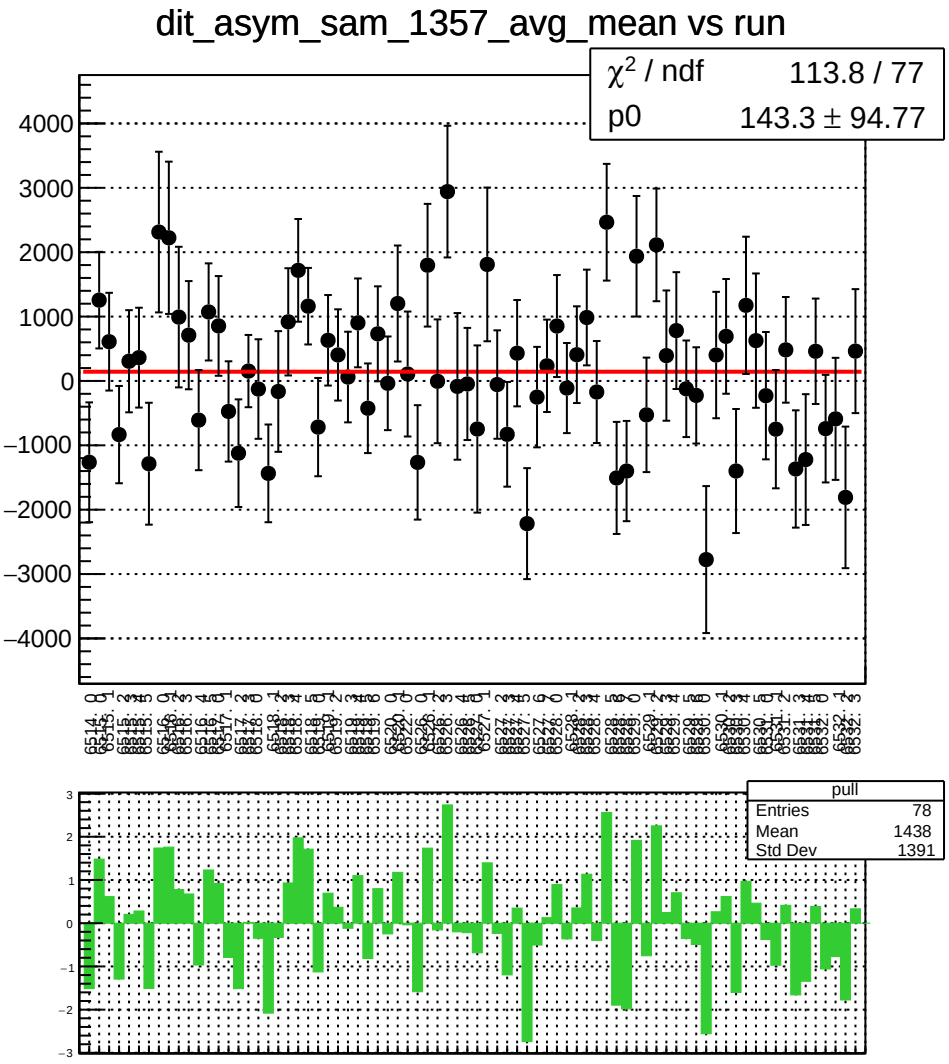

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 58.78 / 77
p0 −156.1 ± 215.6
pull
Entries 78
Mean 258.4
Std Dev 207.5

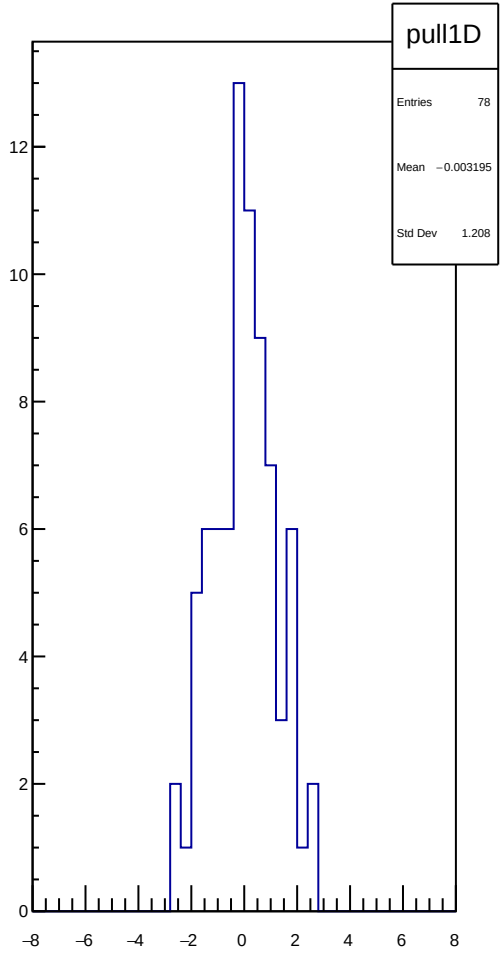

pull1D
Entries 78
Mean 0.009462
Std Dev 0.868


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 7760 / 77
p0 184.4 ± 0.1525
230
220
210
200
190
180
170
160

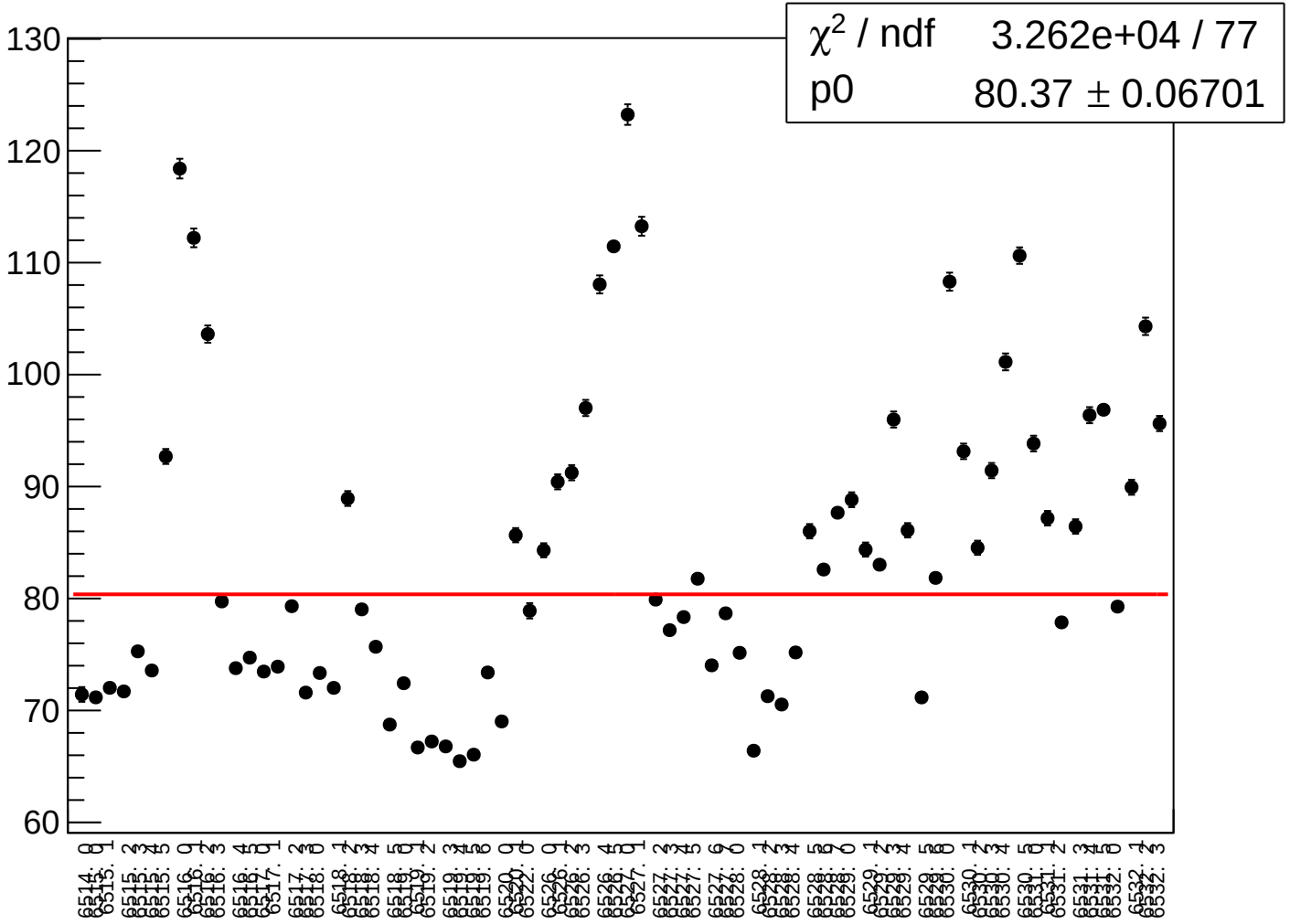

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 63.83 / 77
p0 168.1 ± 204.8
pull
Entries 78
Mean 293.2
Std Dev 240.2
pull1D
Entries 78
Mean −0.008414
Std Dev 0.9046

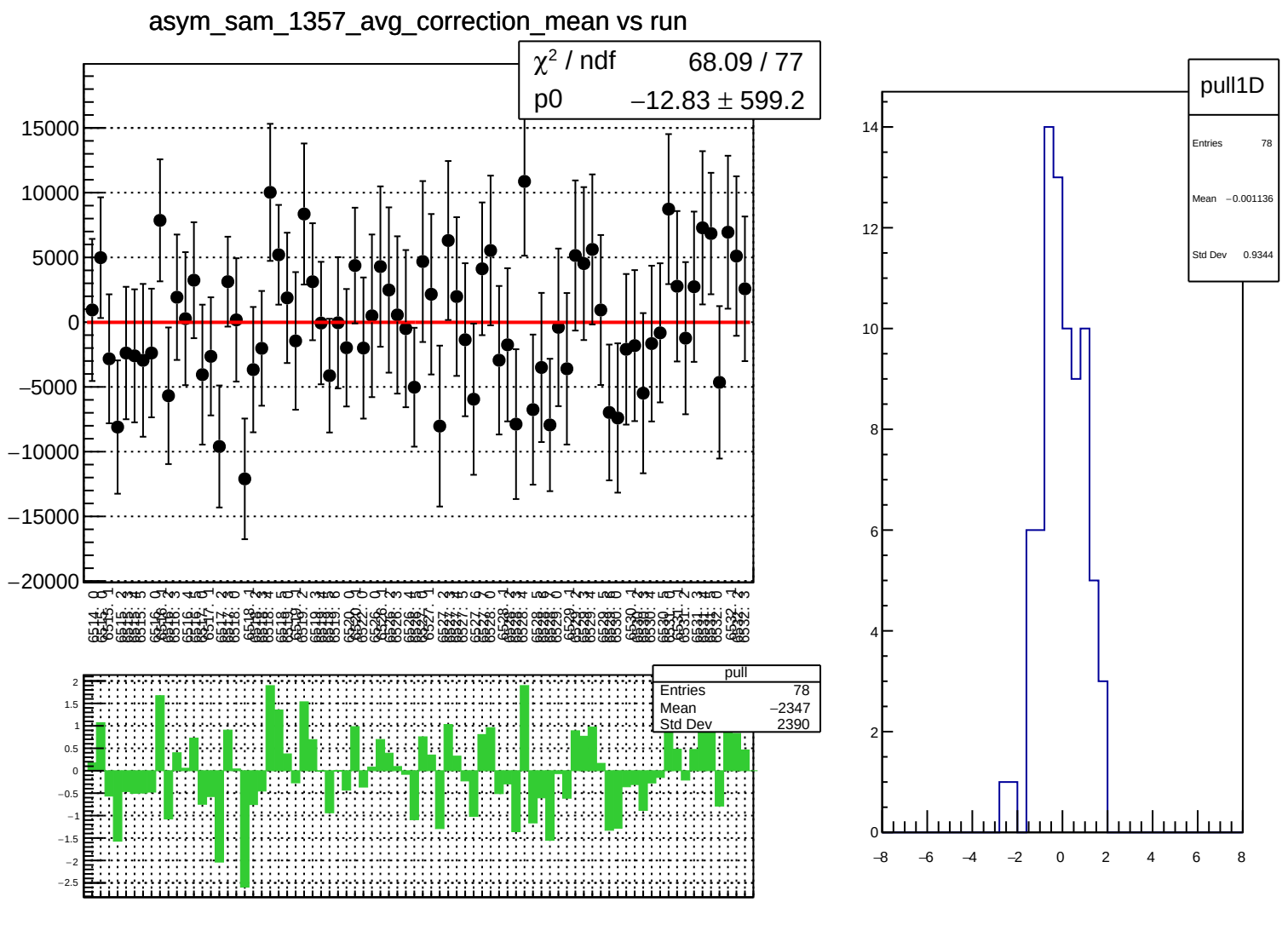

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 1.498e+04 / 77
p0 174.7 ± 0.1448
220
210
200
190
180
170
160
150
140


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 113.8 / 77
p0 143.3 ± 94.77
pull
Entries 78
Mean 1438
Std Dev 1391

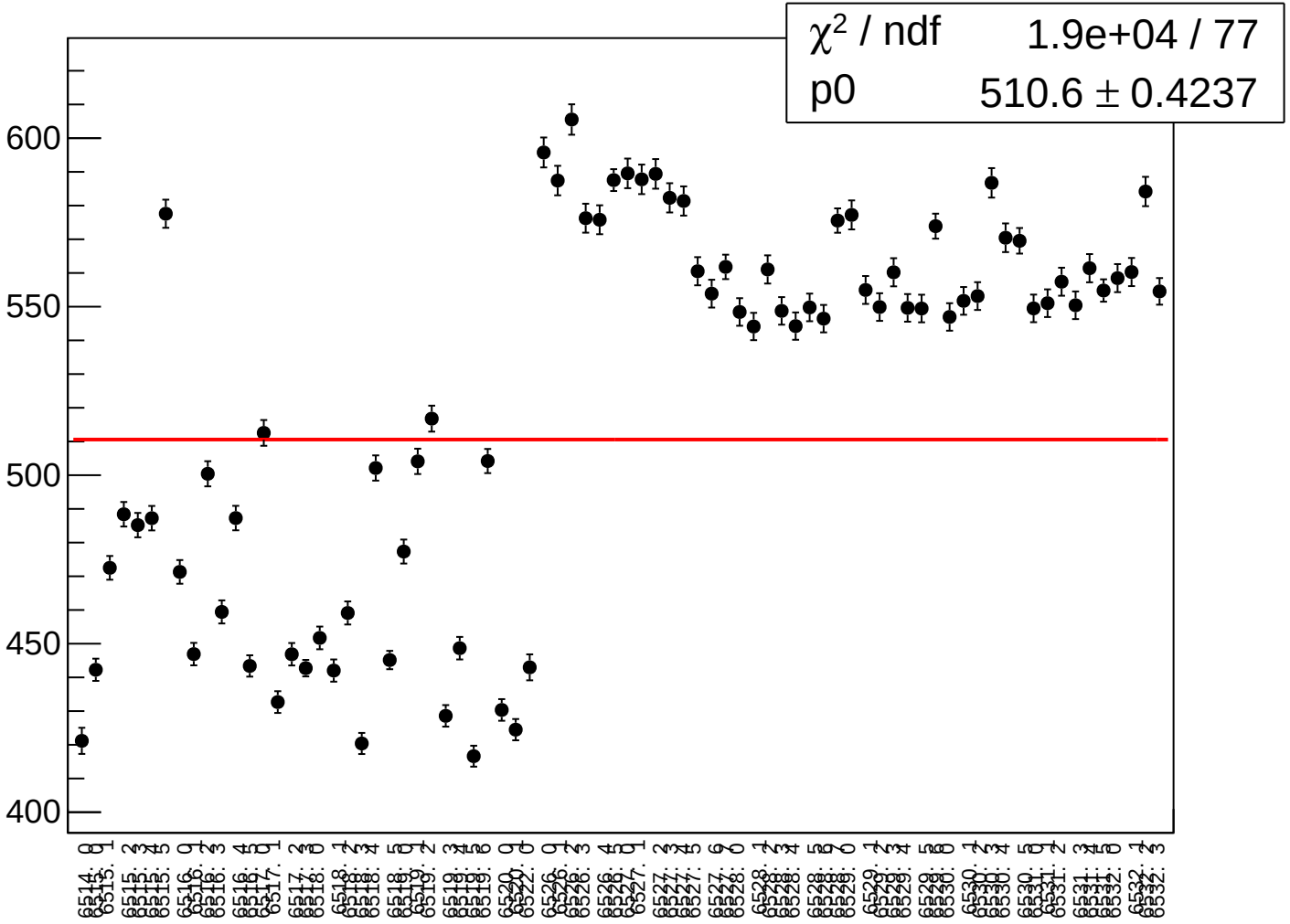

pull1D
Entries 78
Mean −0.003195
Std Dev 1.208

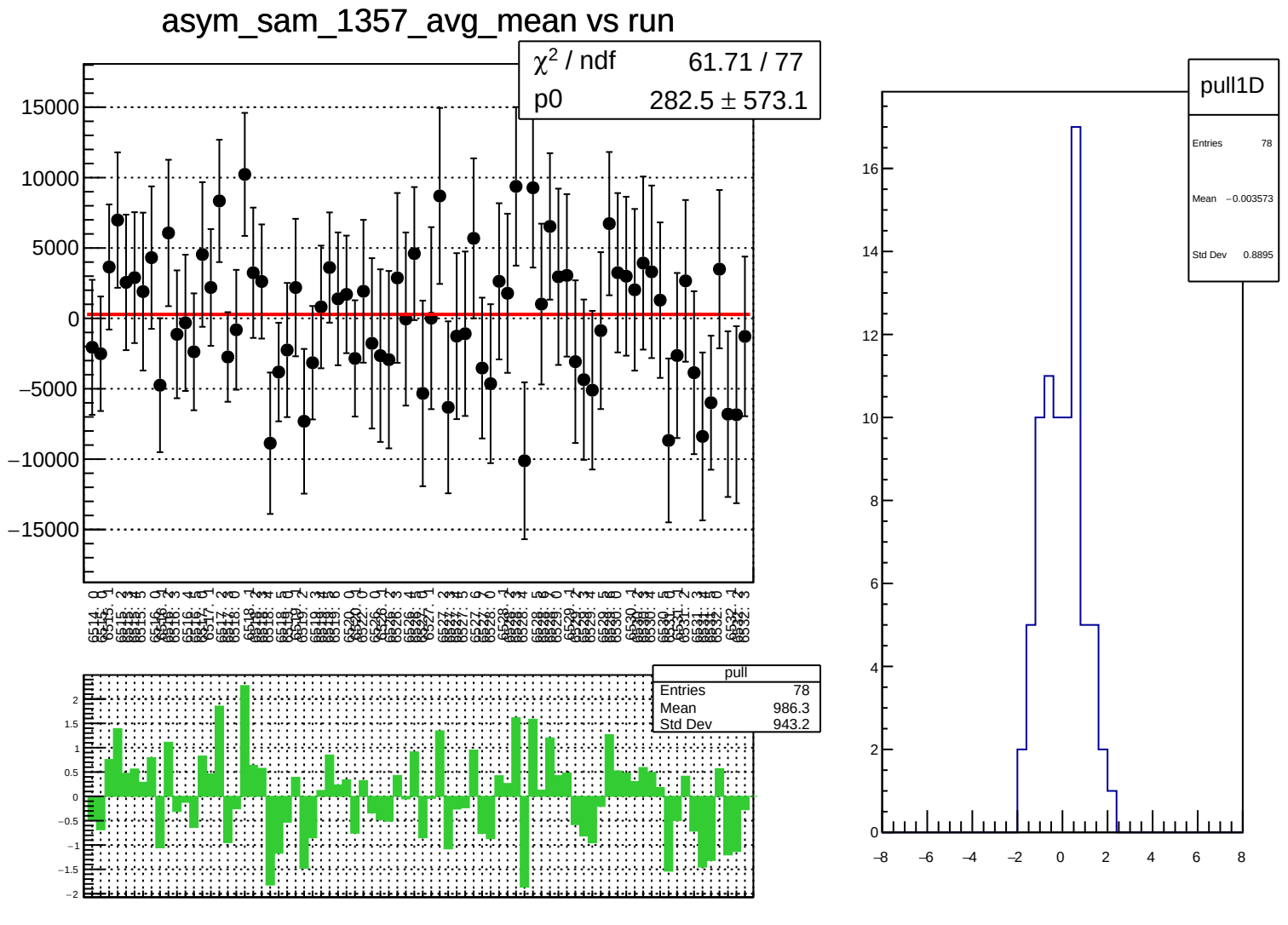
dit_asym_sam_1357_avg_rms vs run

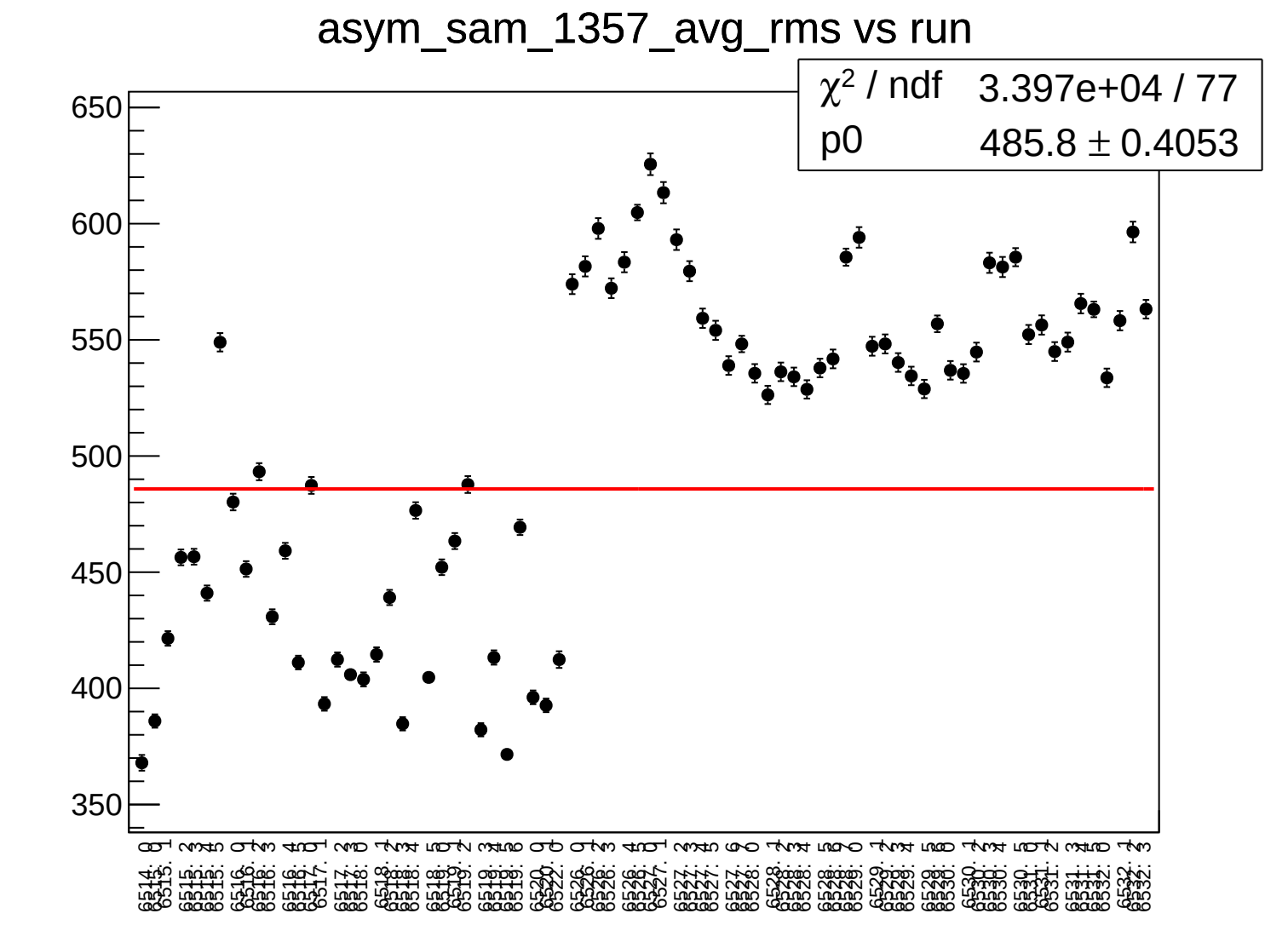


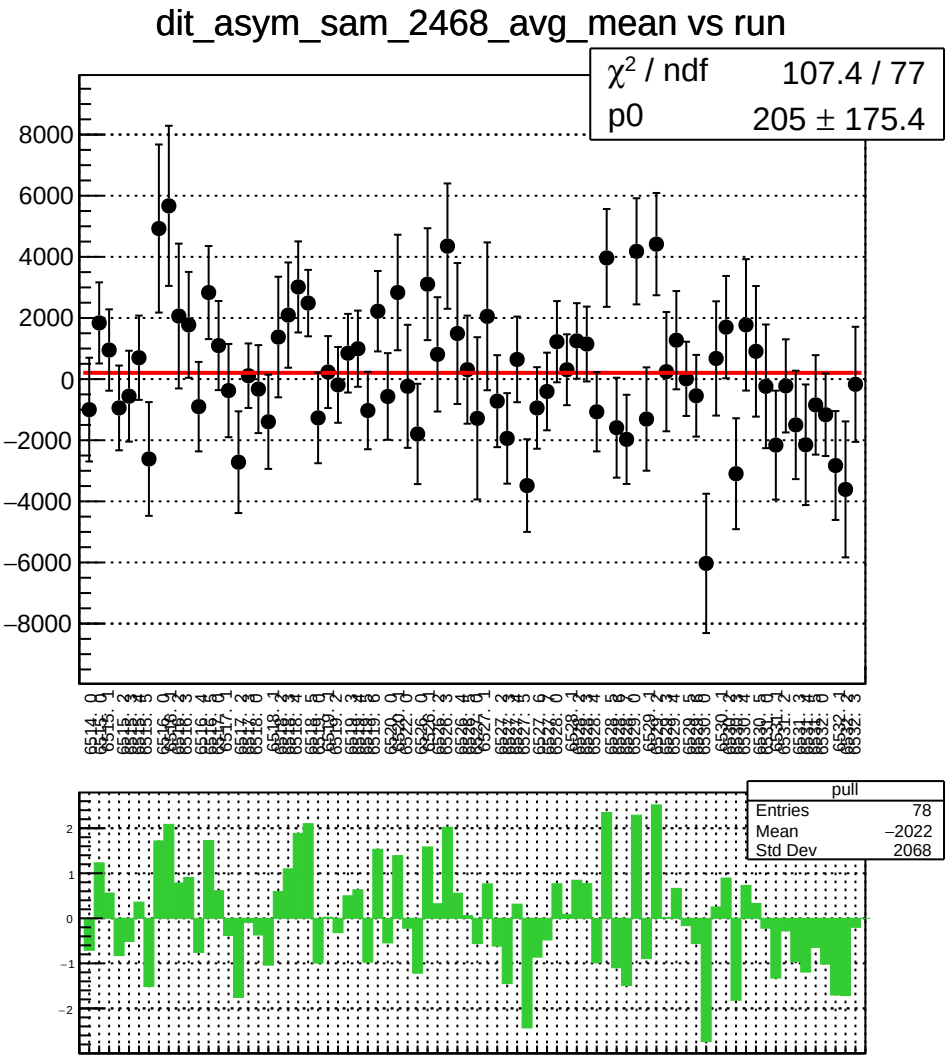

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 68.09 / 77
p0 −12.83 ± 599.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean −2347
Std Dev 2390
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 78
Mean −0.001136
Std Dev 0.9344
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

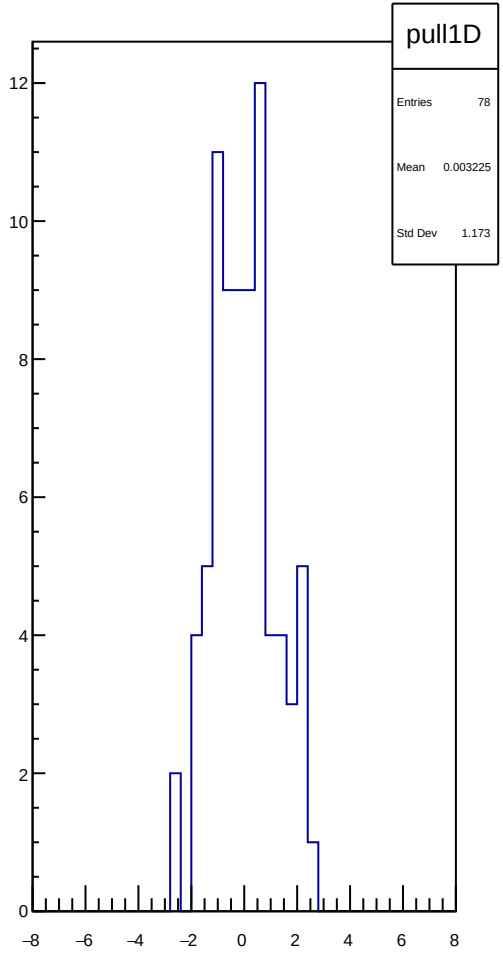
asym_sam_1357_avg_correction_rms vs run

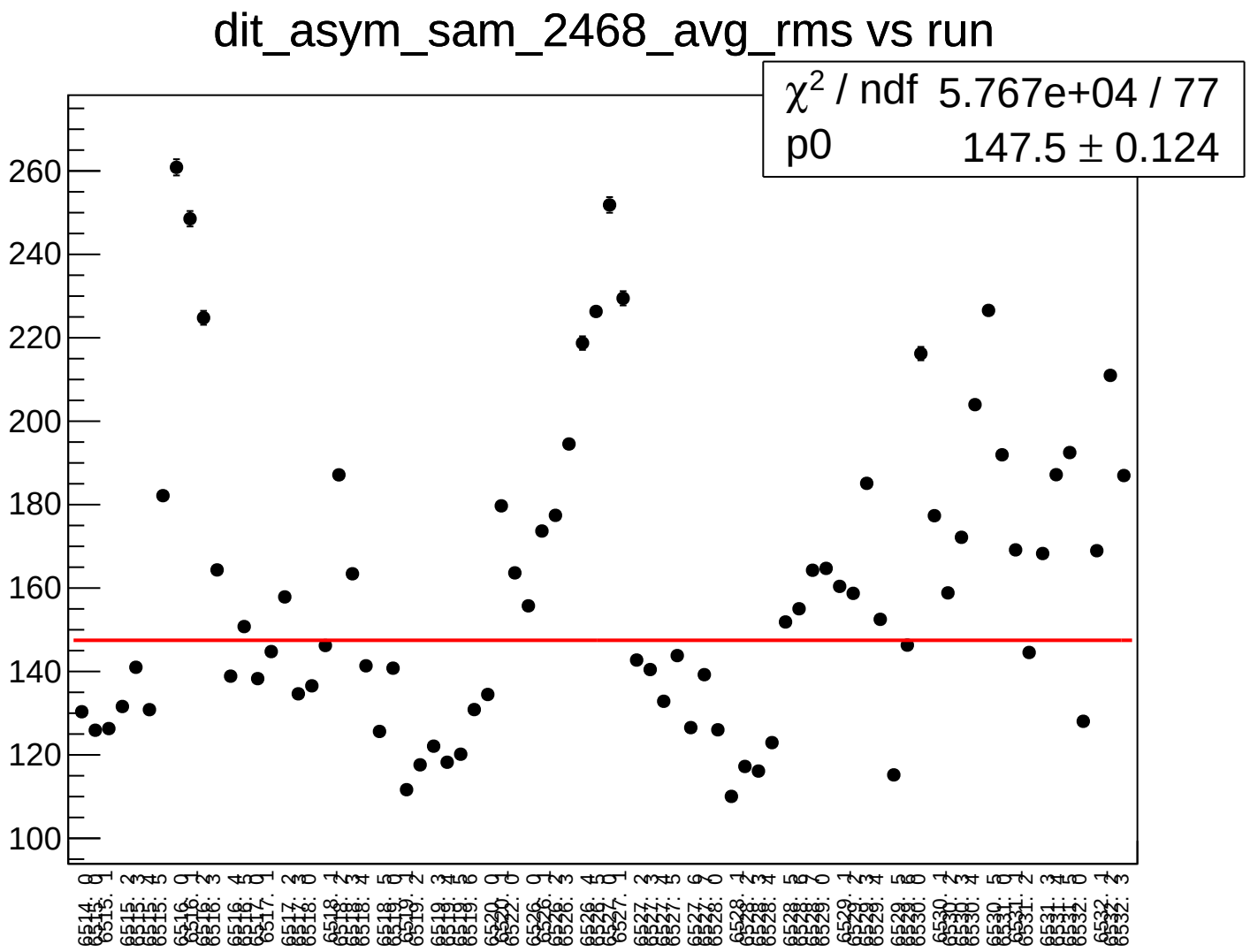


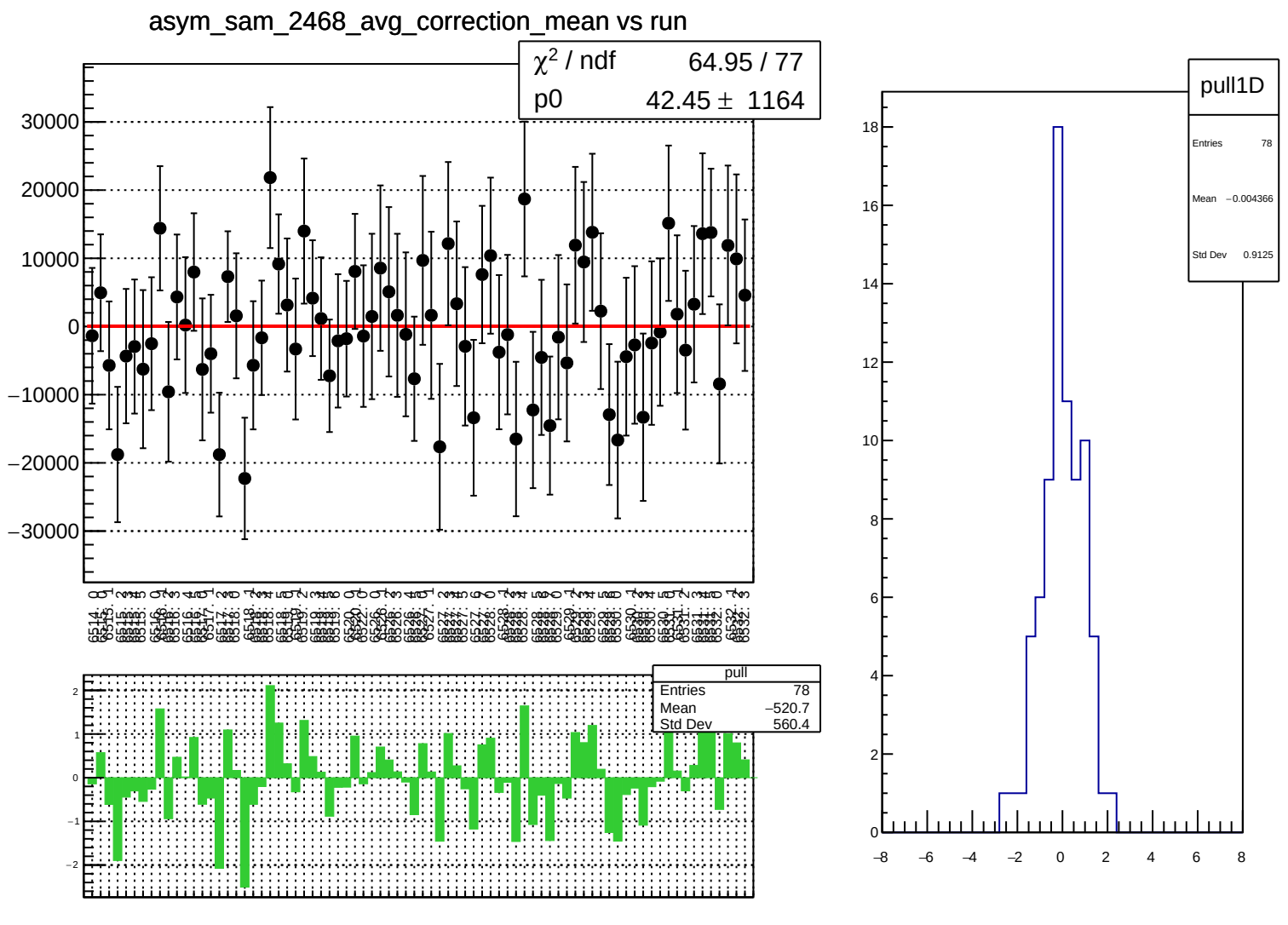

asym_sam_1357_avg_mean vs run
χ² / ndf 61.71 / 77
p0 282.5 ± 573.1
pull
Entries 78
Mean 986.3
Std Dev 943.2
pull1D
Entries 78
Mean −0.003573
Std Dev 0.8895


asym_sam_1357_avg_rms vs run
χ² / ndf 3.397e+04 / 77
p0 485.8 ± 0.4053
650
600
550
500
450
400
350

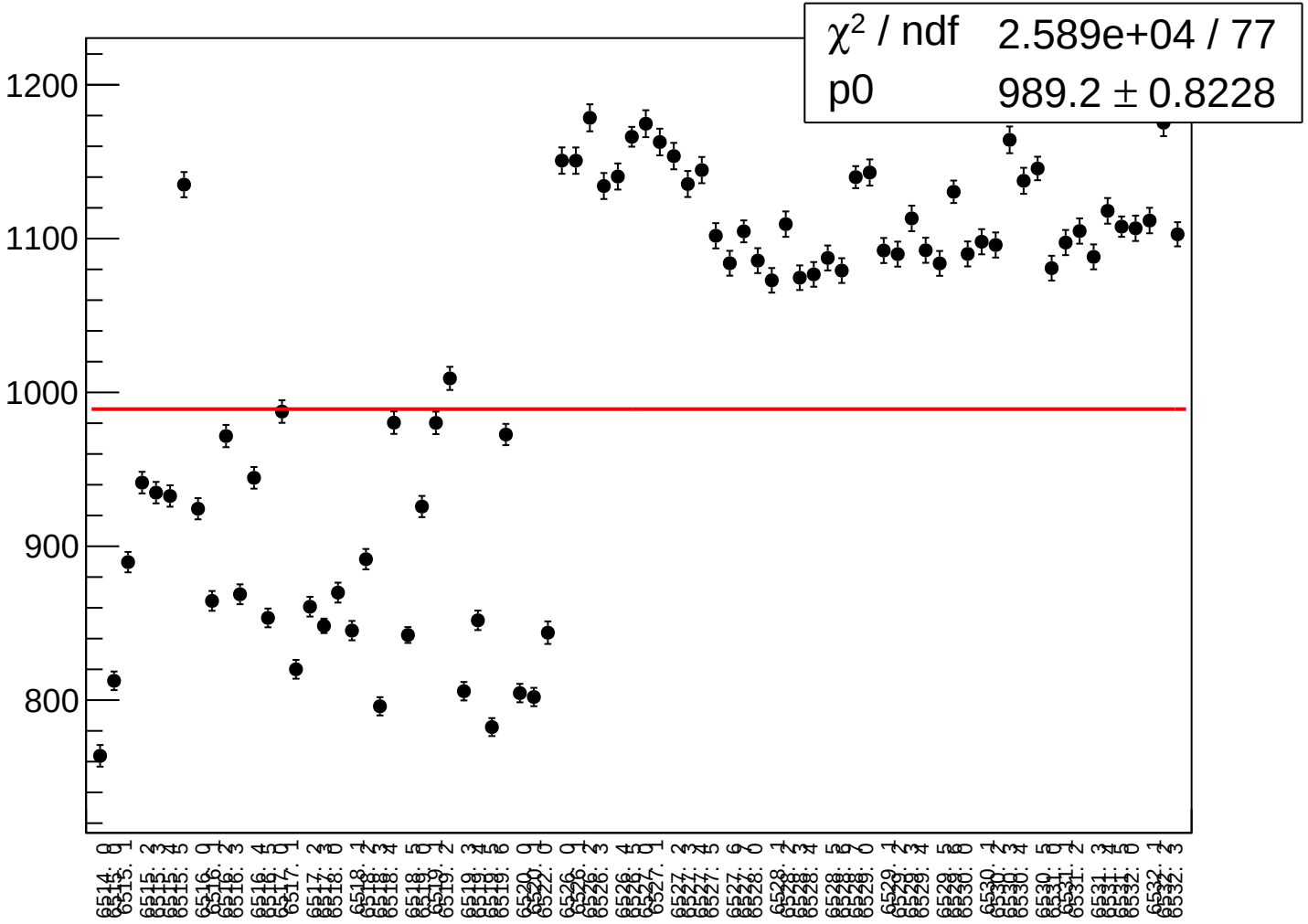

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 107.4 / 77
p0 205 ± 175.4
pull
Entries 78
Mean −2022
Std Dev 2068

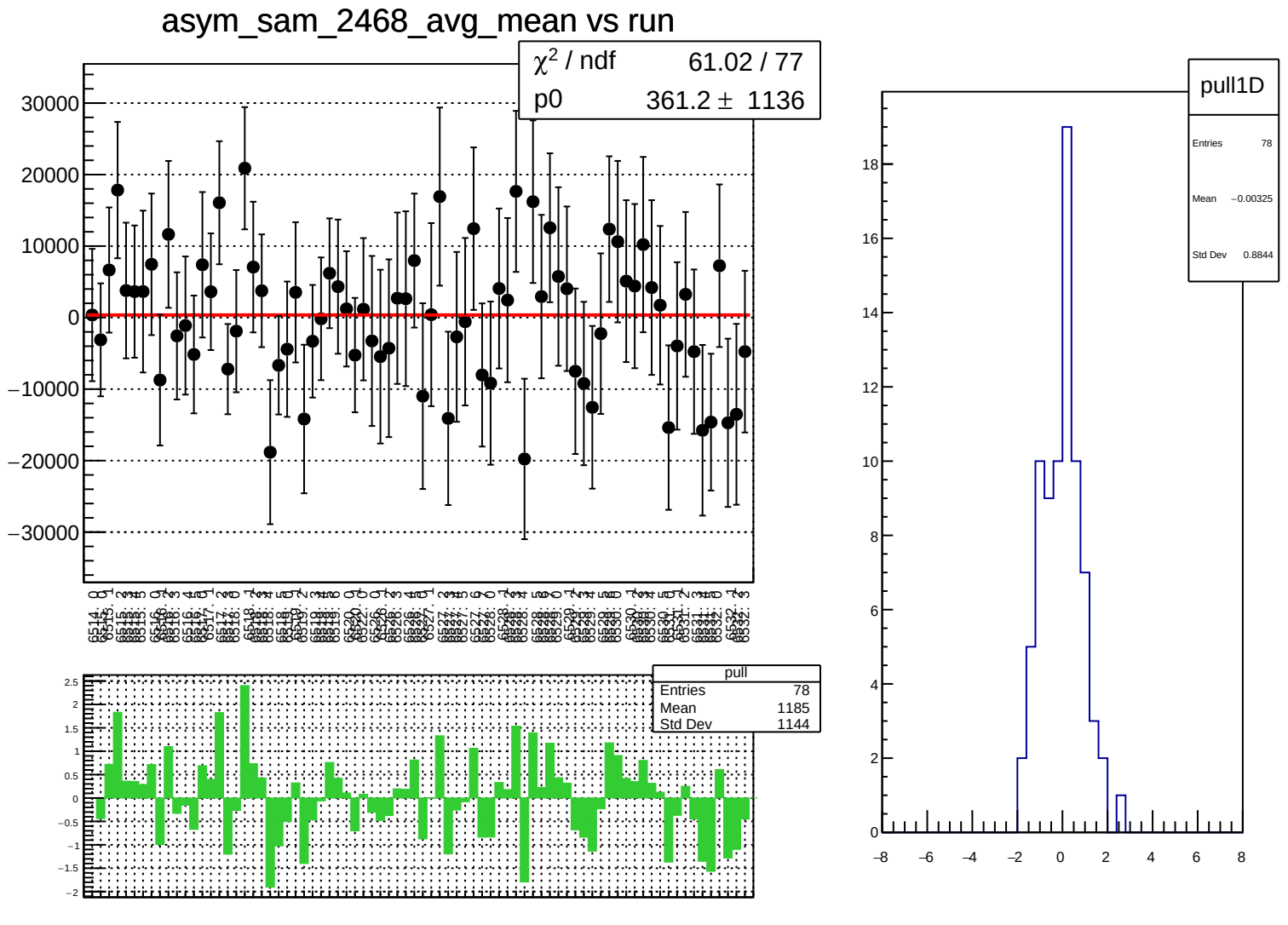

pull1D
Entries 78
Mean 0.003225
Std Dev 1.173

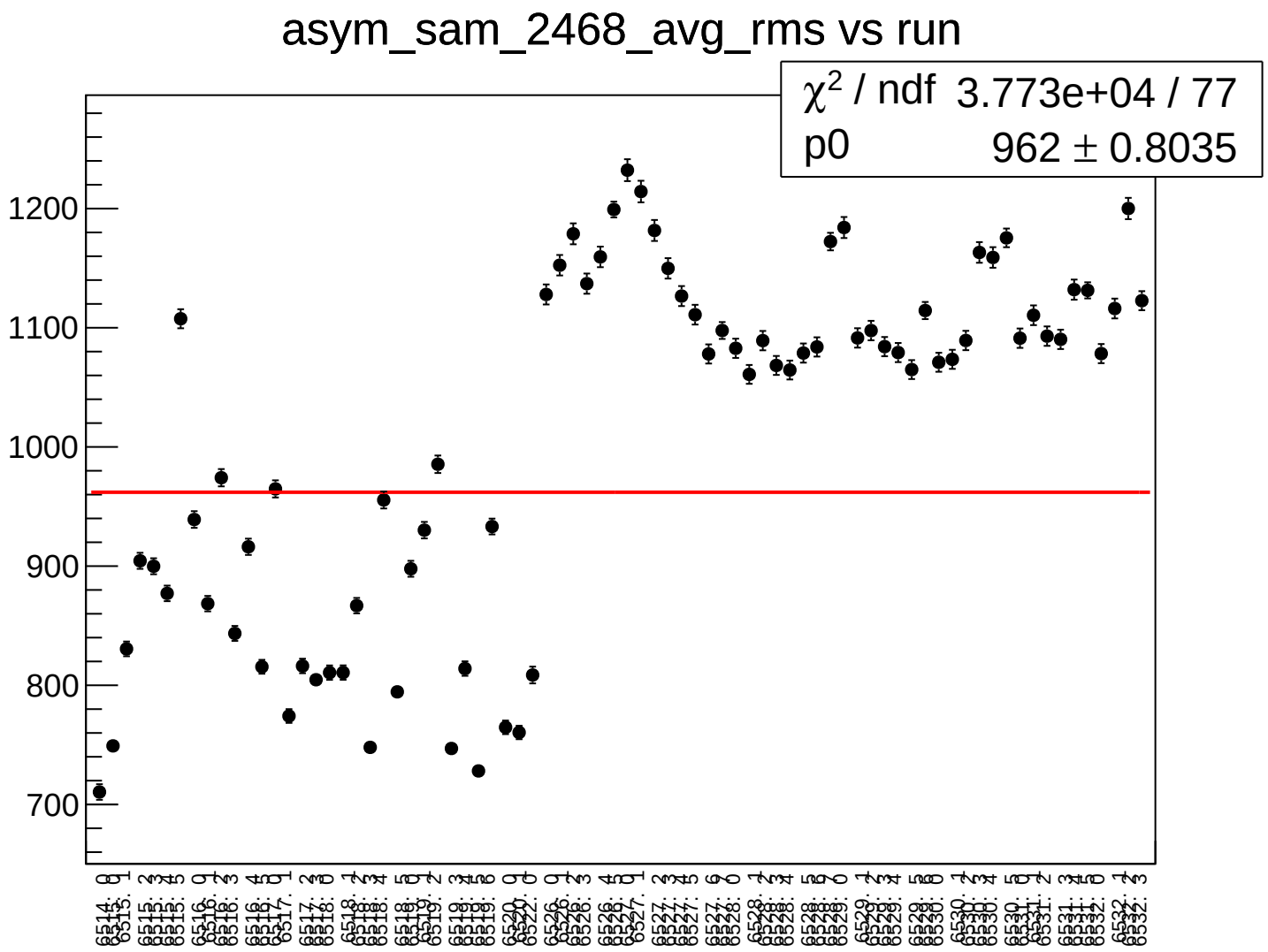

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 5.767e+04 / 77
p0 147.5 ± 0.124
260
240
220
200
180
160
140
120
100

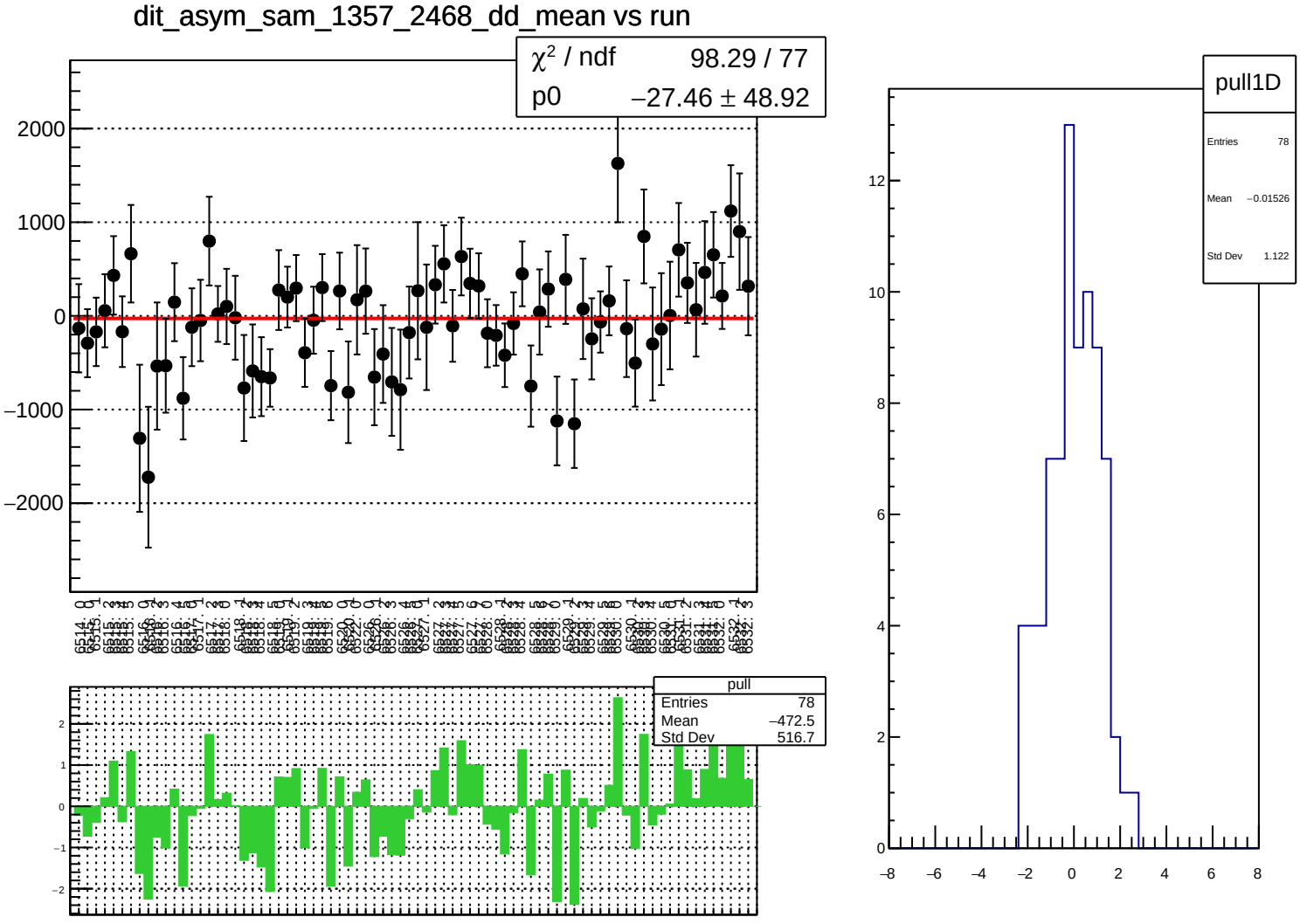

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 64.95 / 77
p0 42.45 ± 1164
pull
Entries 78
Mean −520.7
Std Dev 560.4
pull1D
Entries 78
Mean −0.004366
Std Dev 0.9125

asym_sam_2468_avg_correction_rms vs run

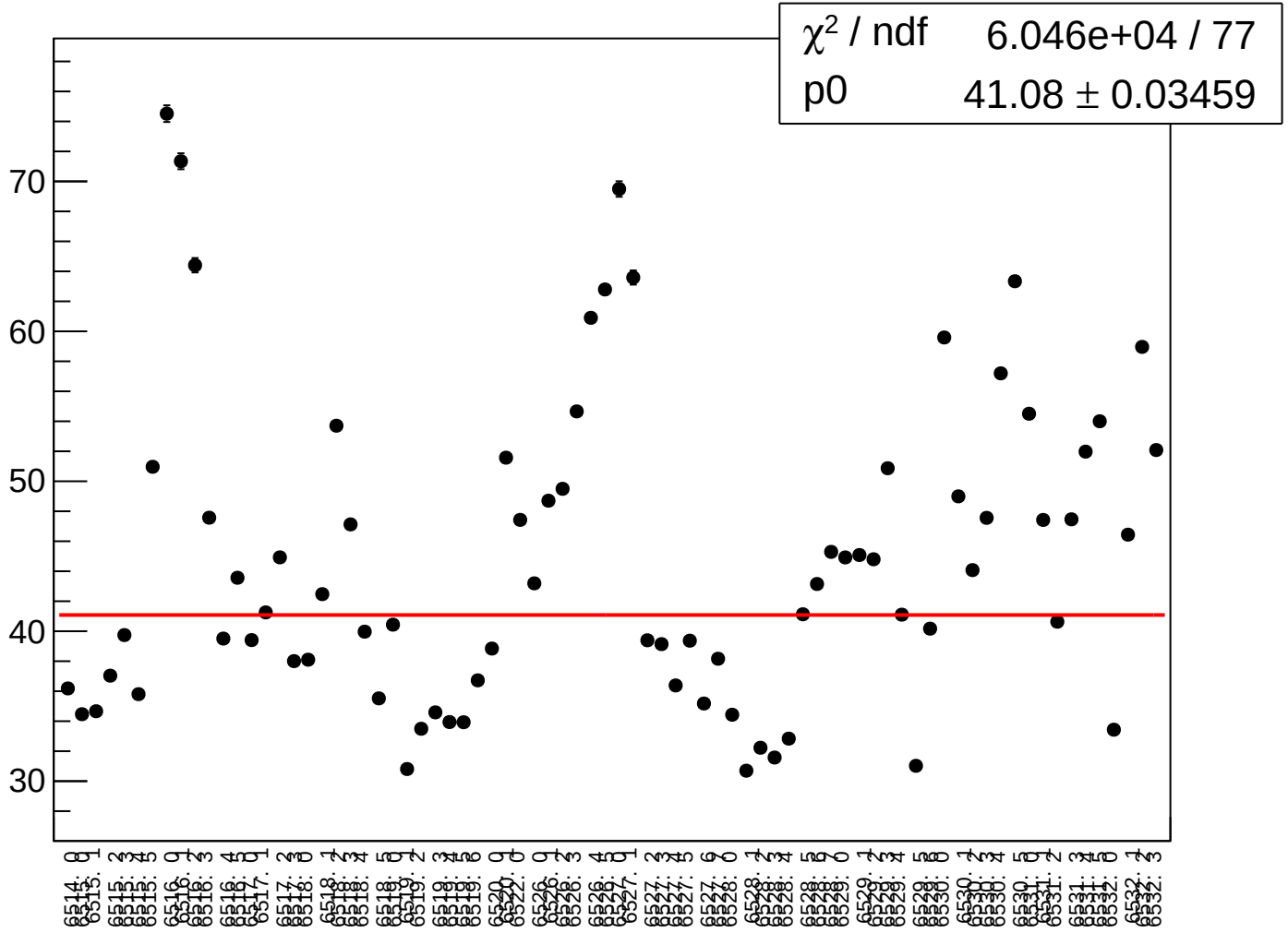


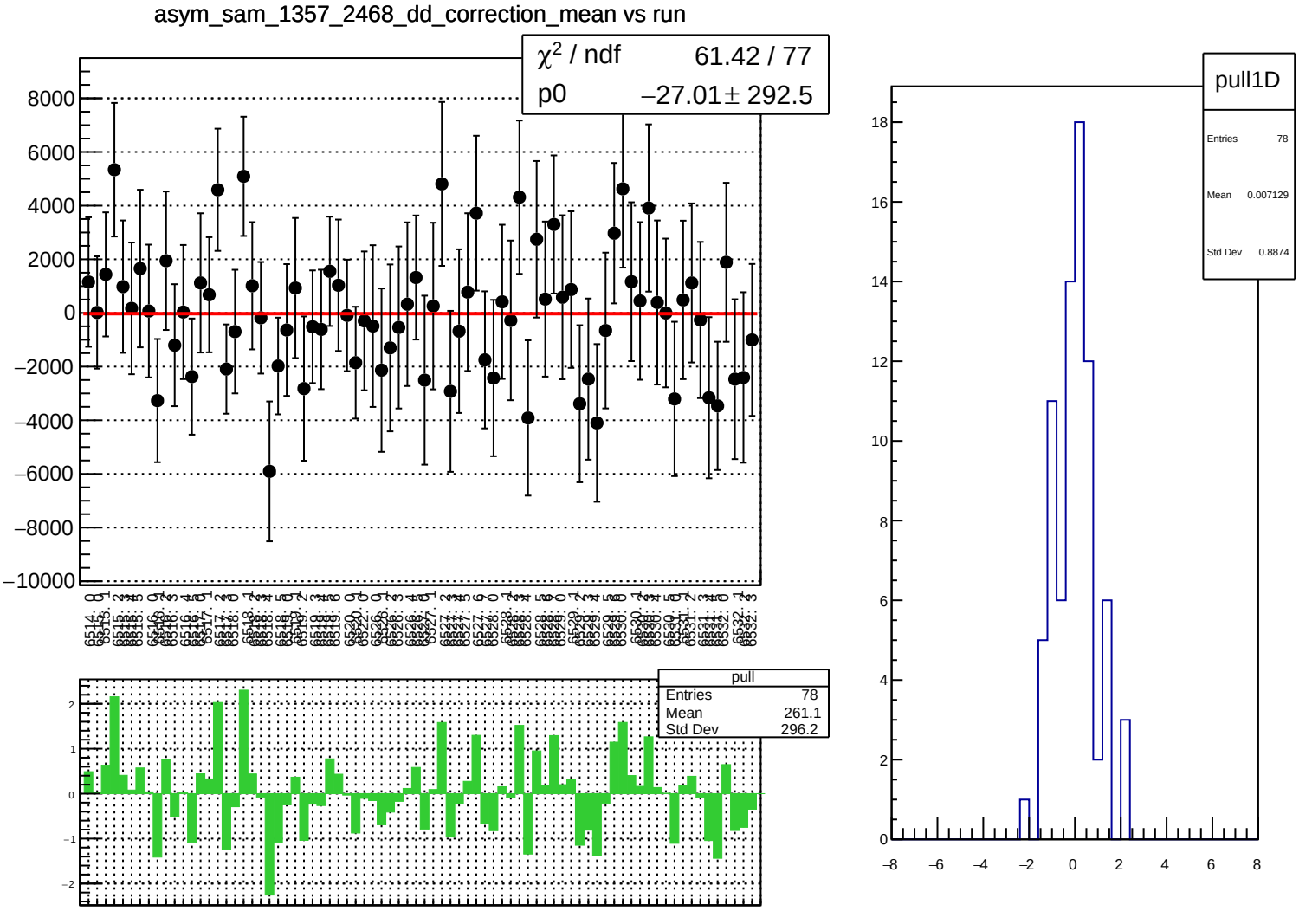

asym_sam_2468_avg_mean vs run
χ² / ndf 61.02 / 77
p0 361.2 ± 1136
pull
Entries 78
Mean 1185
Std Dev 1144
pull1D
Entries 78
Mean −0.00325
Std Dev 0.8844

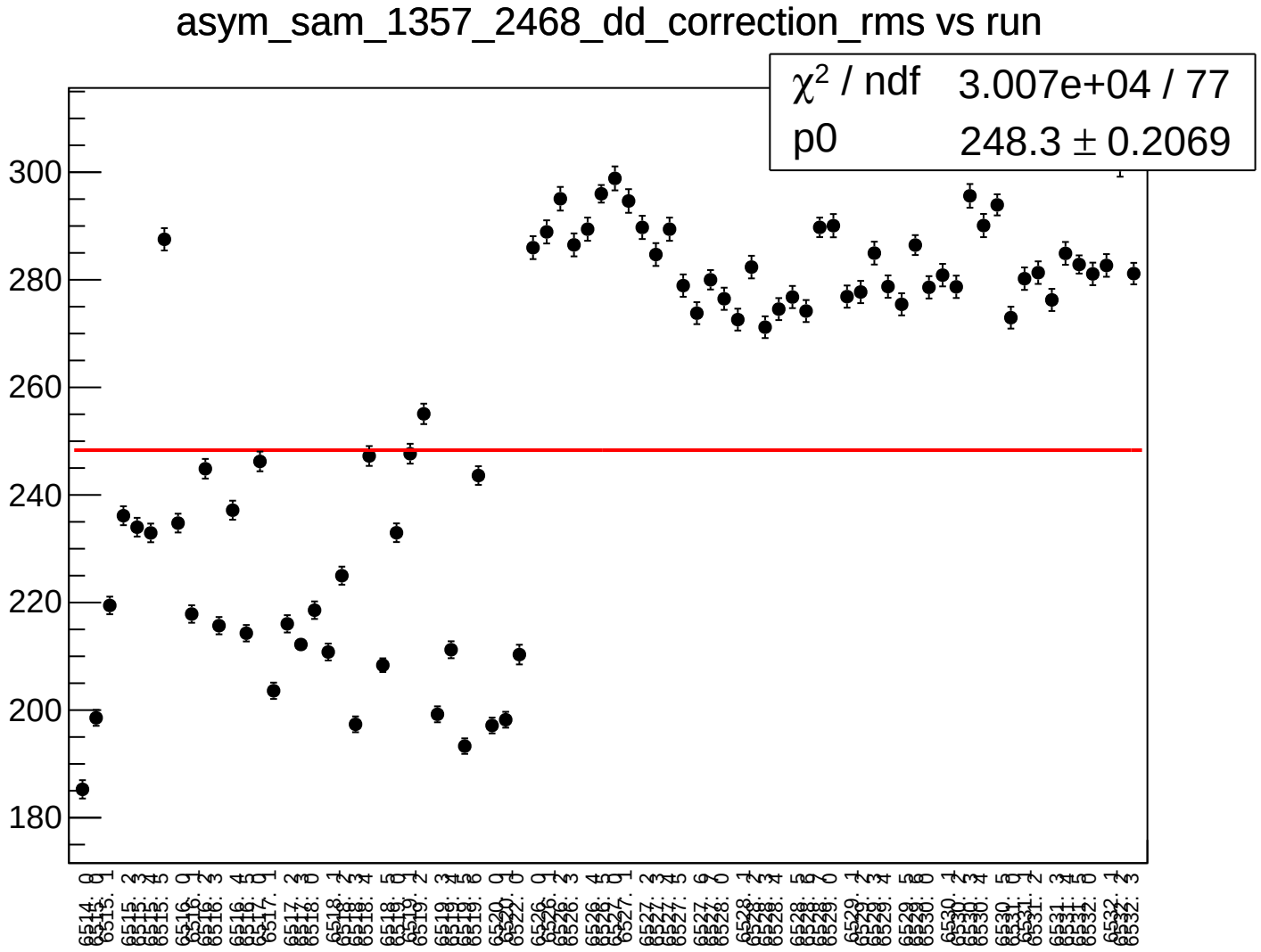

asym_sam_2468_avg_rms vs run
χ² / ndf 3.773e+04 / 77
p0 962 ± 0.8035
1200
1100
1000
900
800
700

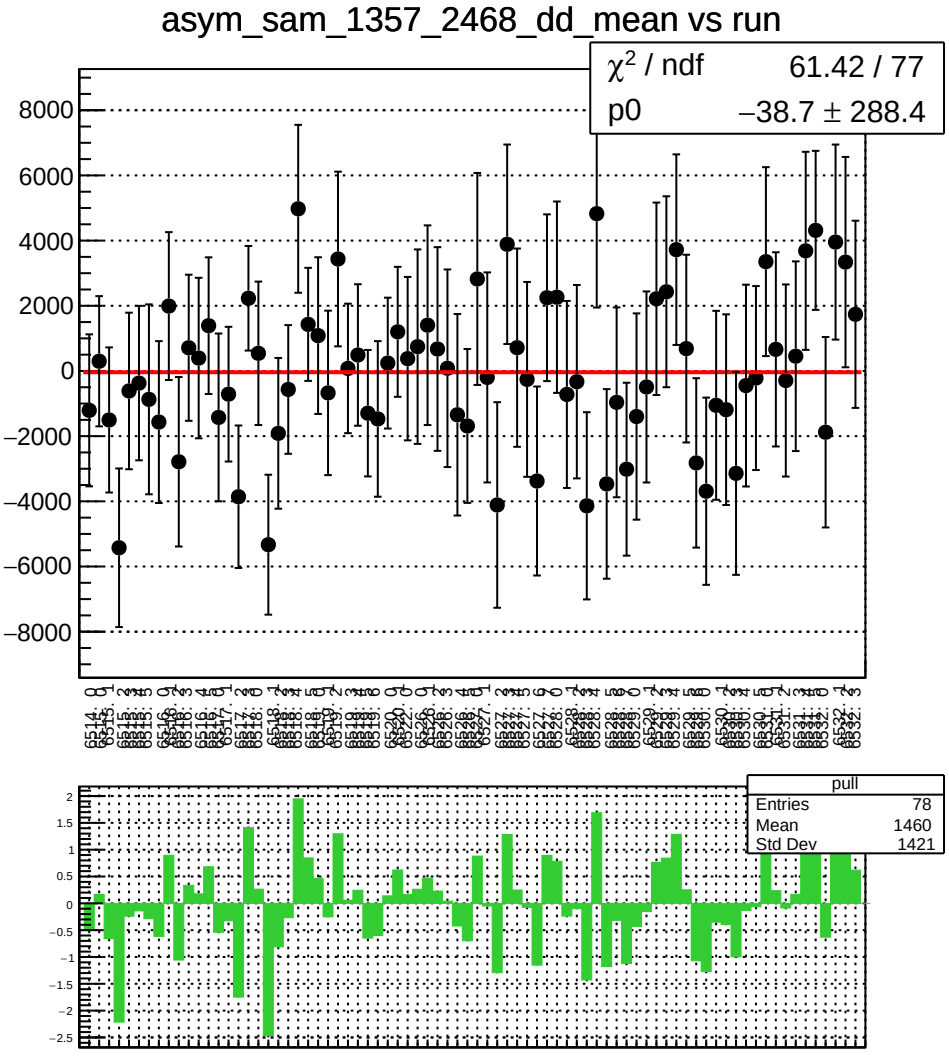

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 98.29 / 77
p0 −27.46 ± 48.92
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −472.5
Std Dev 516.7
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.01526
Std Dev 1.122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

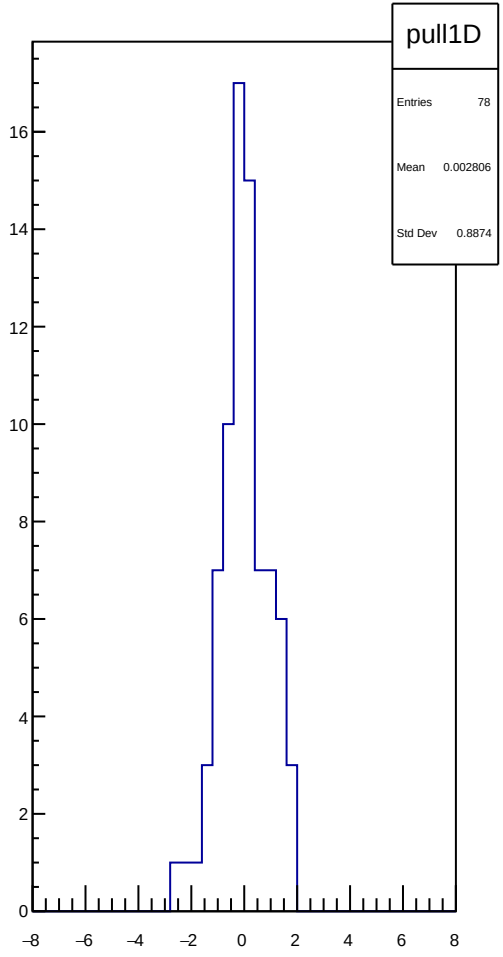
dit_asym_sam_1357_2468_dd_rms vs run



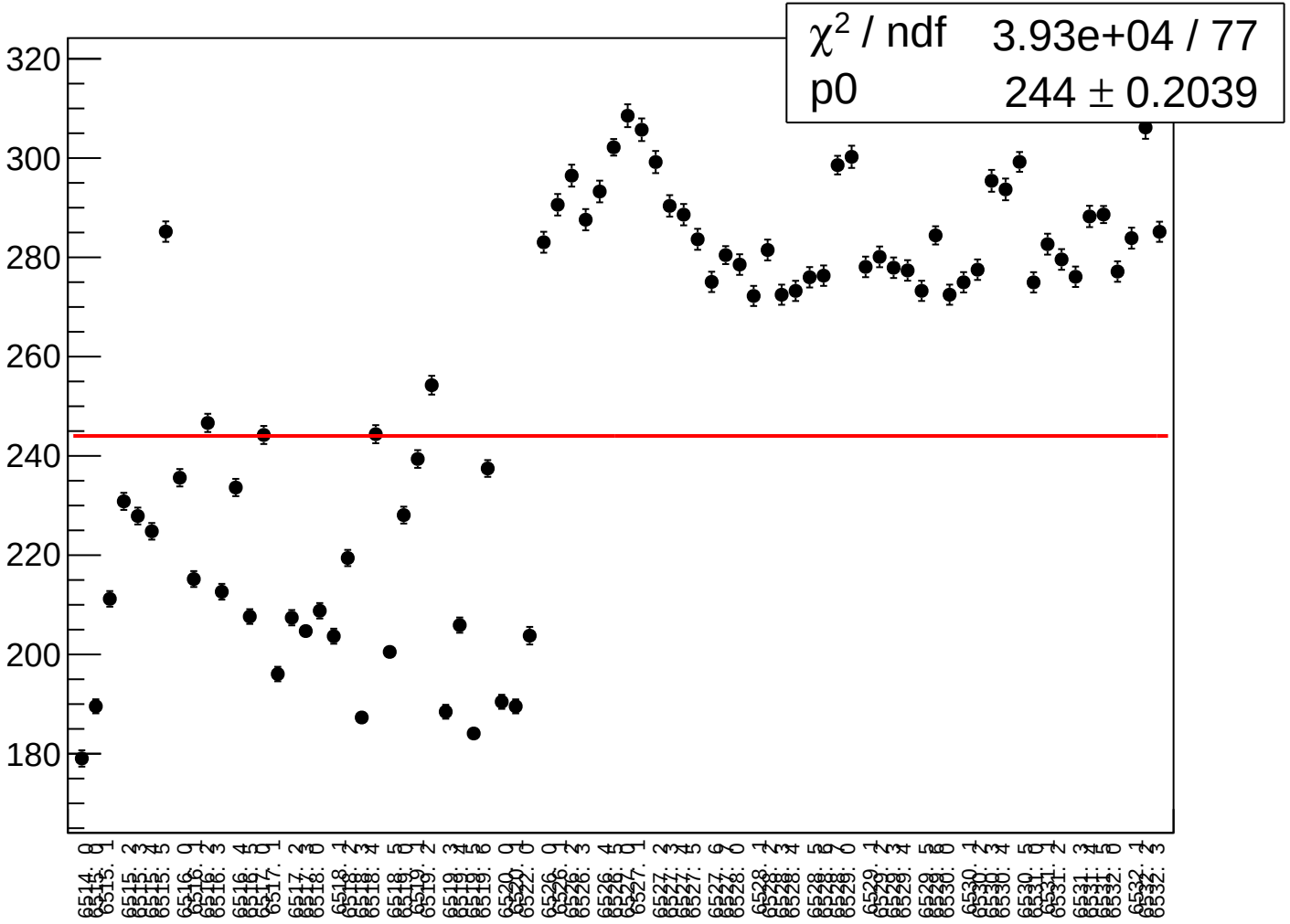

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 61.42 / 77
p0 −27.01 ± 292.5
pull
Entries 78
Mean −261.1
Std Dev 296.2
pull1D
Entries 78
Mean 0.007129
Std Dev 0.8874

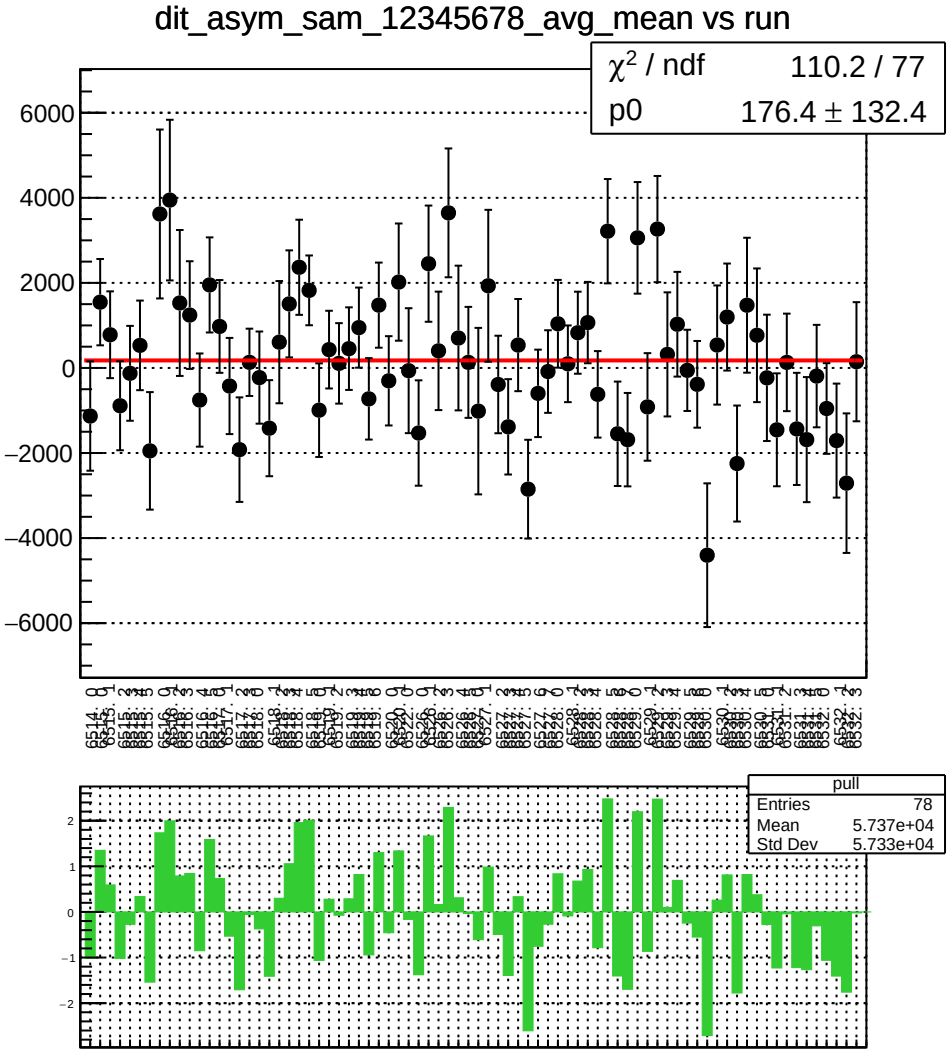

asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 3.007e+04 / 77
p0 248.3 ± 0.2069
300
280
260
240
220
200
180

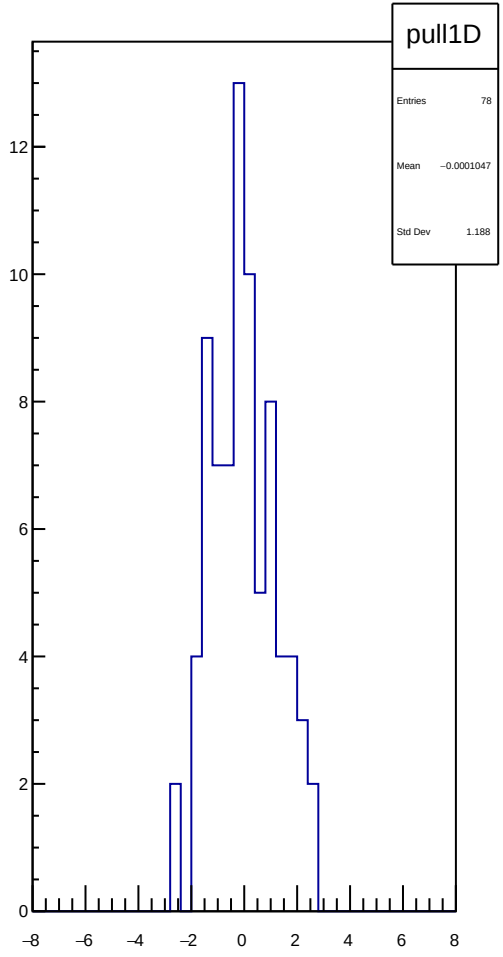

asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 61.42 / 77
p0 −38.7 ± 288.4
pull
Entries 78
Mean 1460
Std Dev 1421

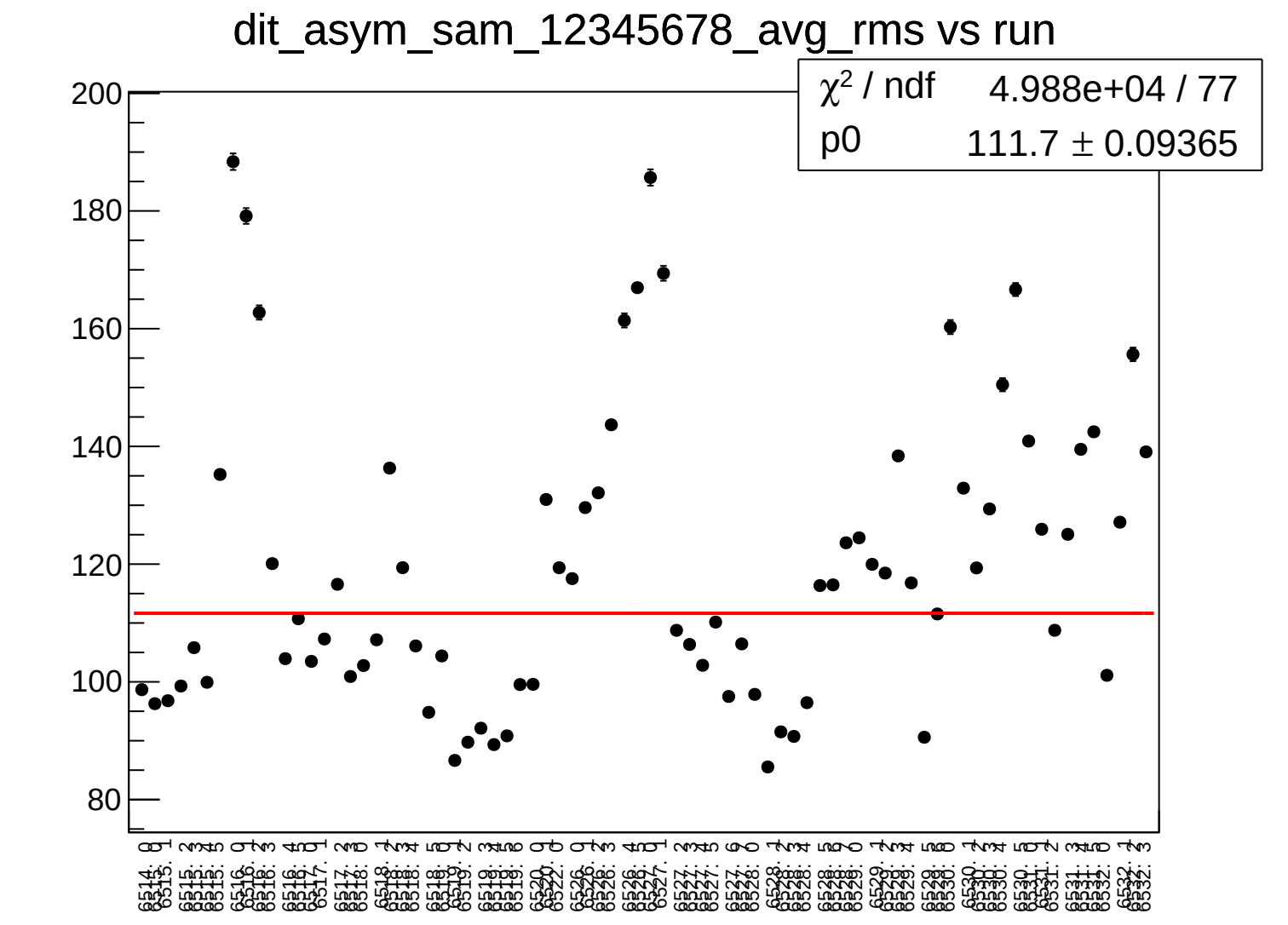

pull1D
Entries 78
Mean 0.002806
Std Dev 0.8874

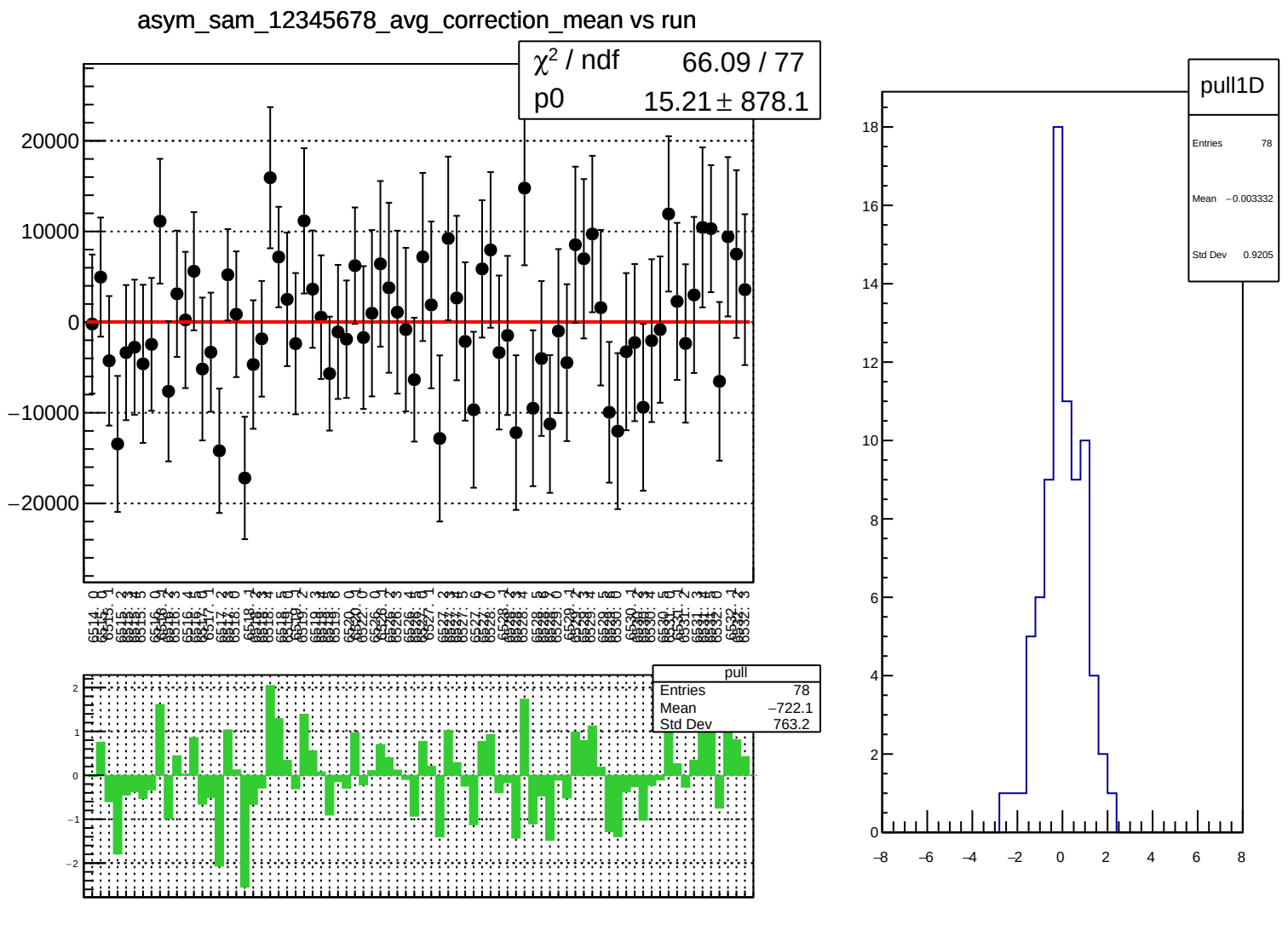
asym_sam_1357_2468_dd_rms vs run

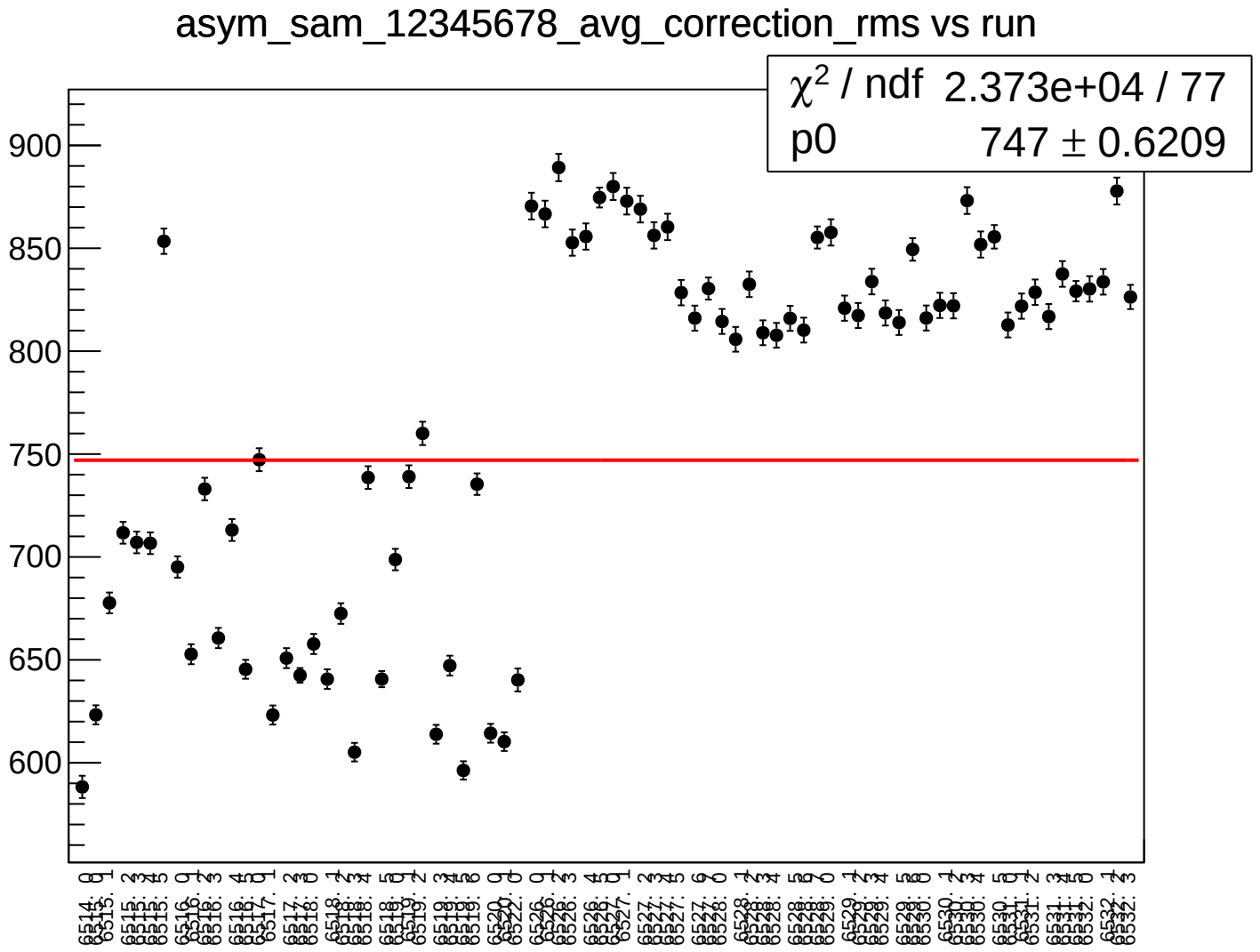


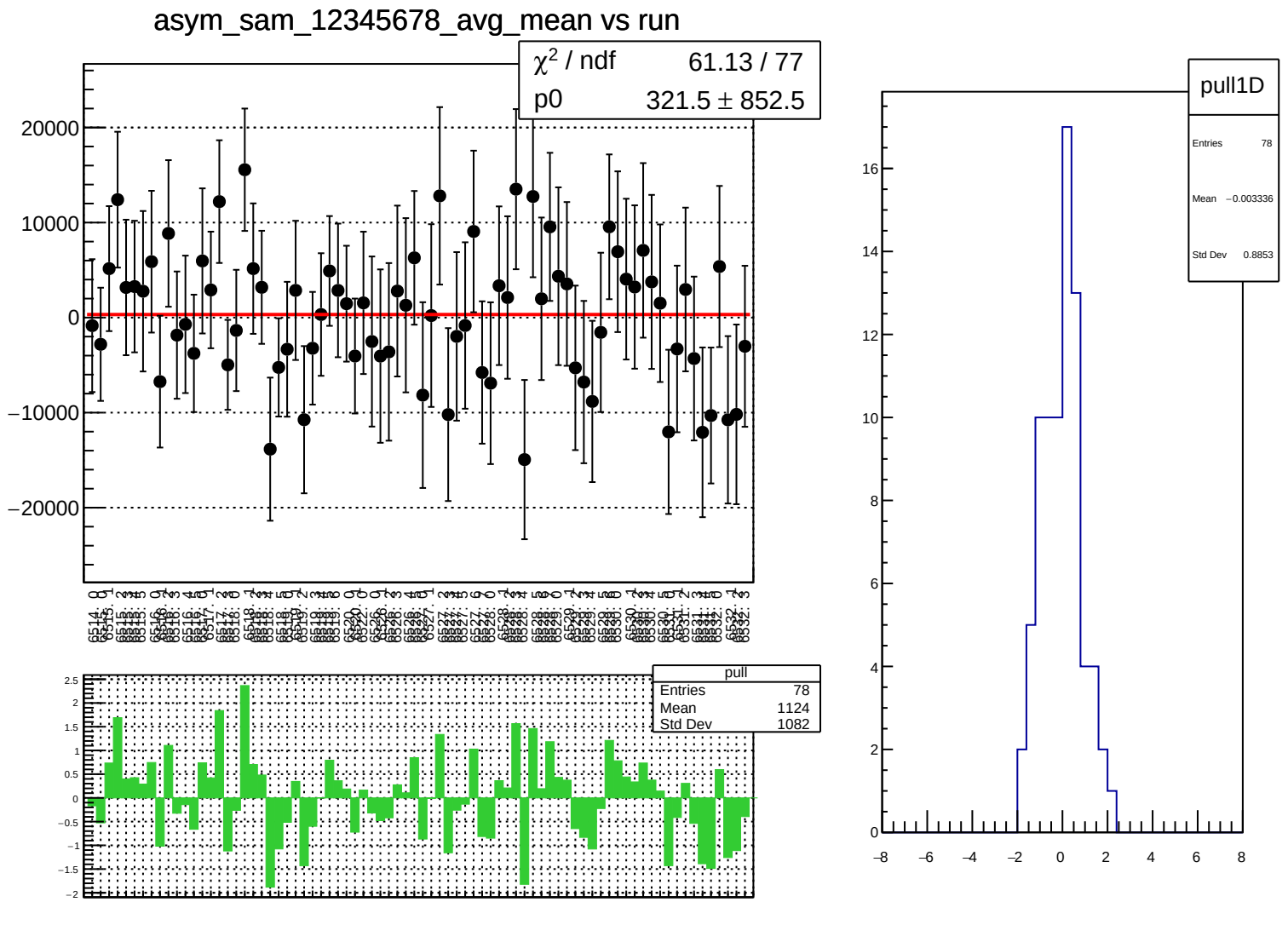

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 110.2 / 77
p0 176.4 ± 132.4
pull
Entries 78
Mean 5.737e+04
Std Dev 5.733e+04

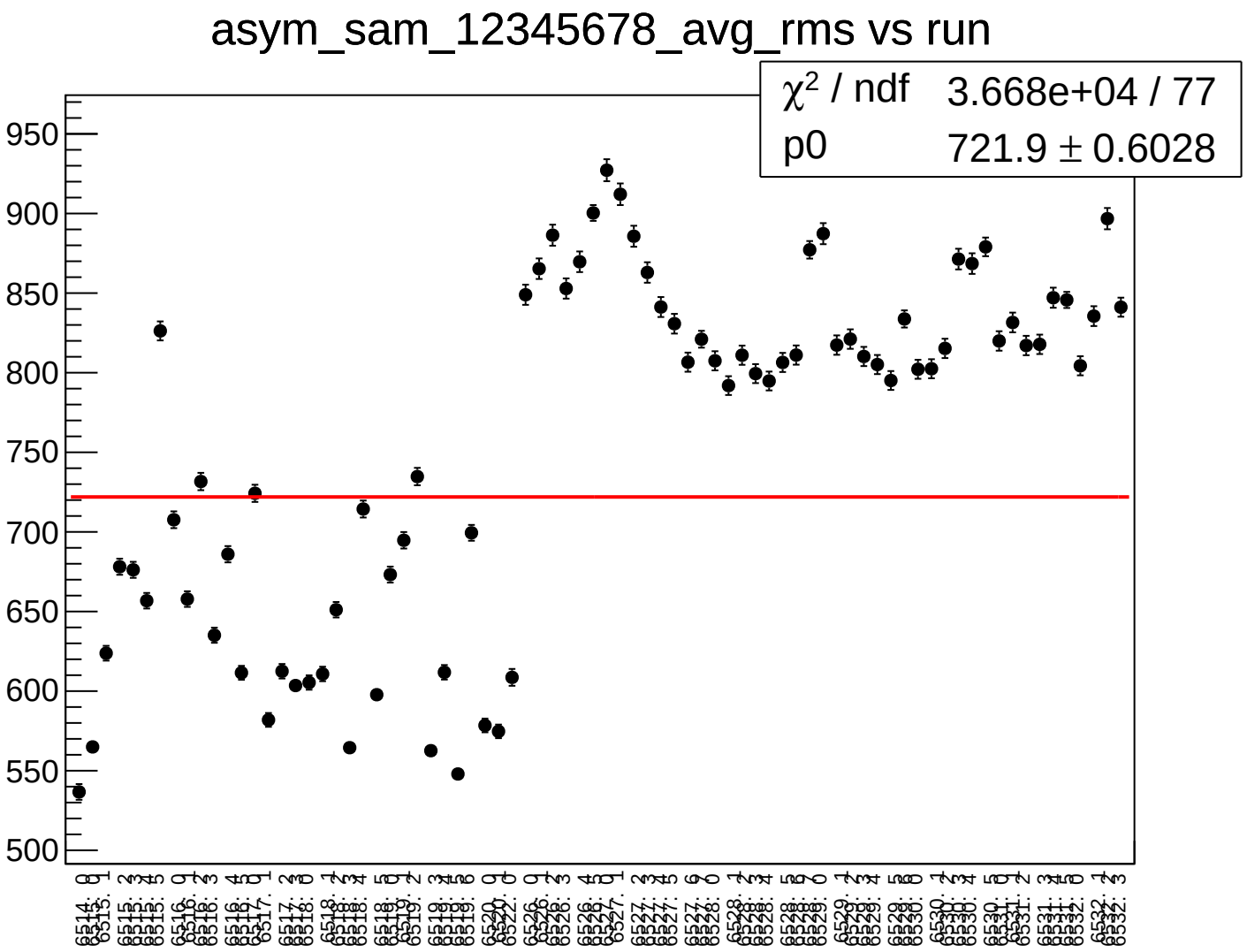

pull1D
Entries 78
Mean −0.0001047
Std Dev 1.188

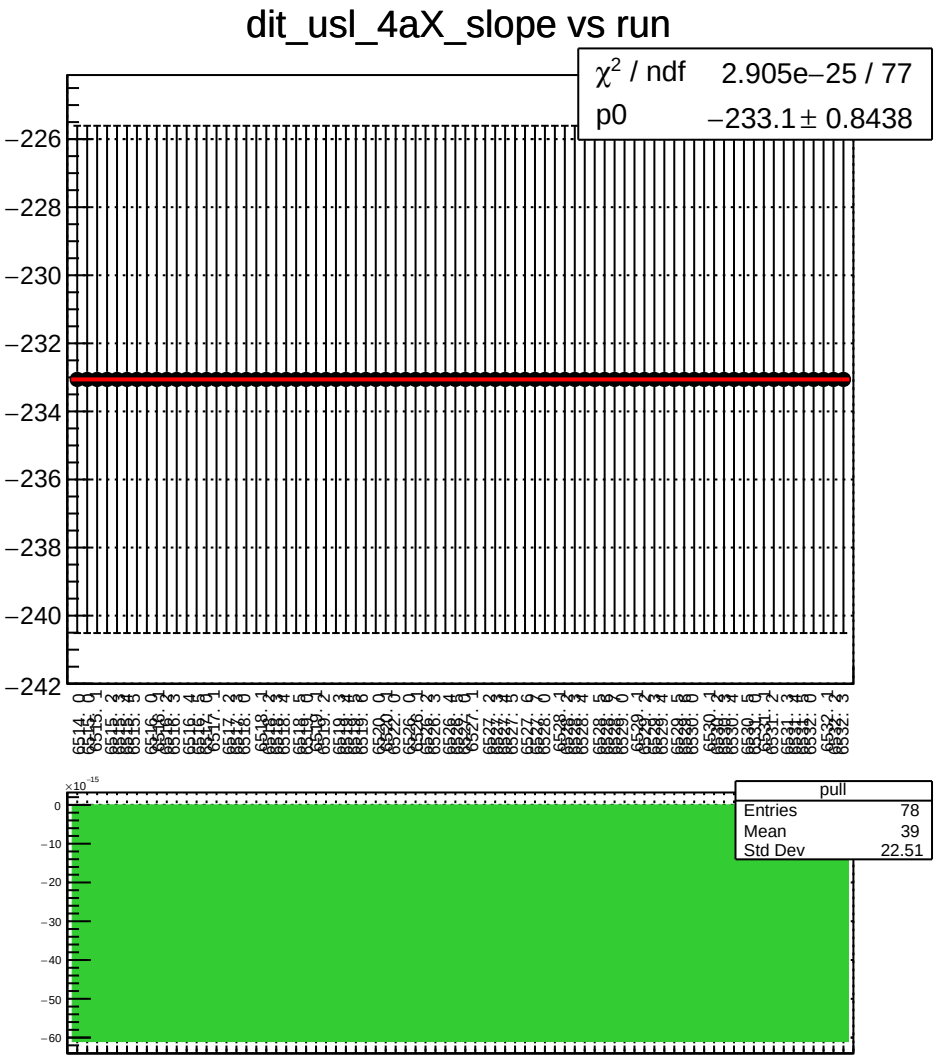

dit_asym_sam_12345678_avg_rms vs run
χ2 / ndf 4.988e+04 / 77
p0 111.7 ± 0.09365
200
180
160
140
120
100
80

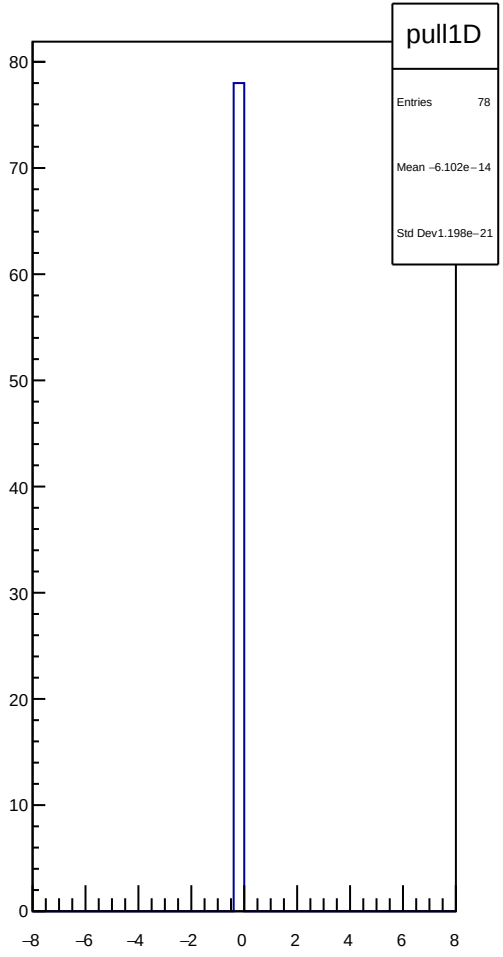

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 66.09 / 77
p0 15.21 ± 878.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −722.1
Std Dev 763.2
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.003332
Std Dev 0.9205
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2.373e+04 / 77
p0 747 ± 0.6209
900
850
800
750
700
650
600

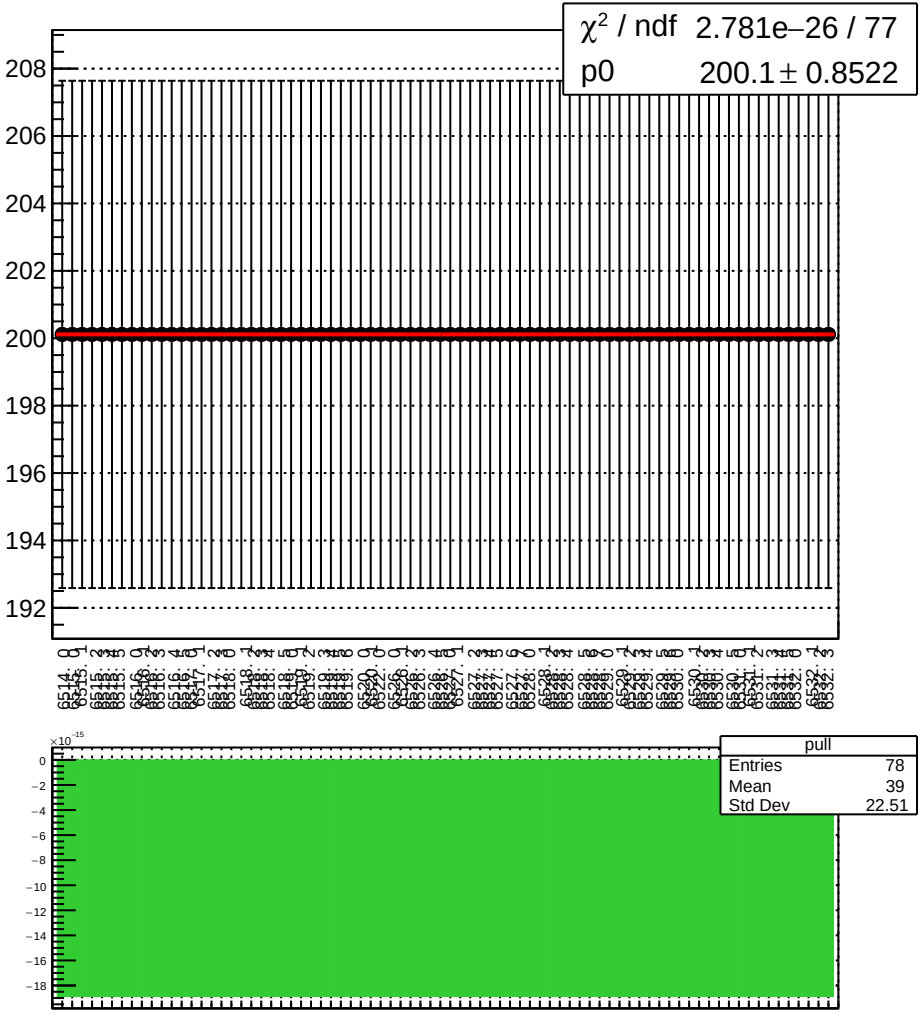

asym_sam_12345678_avg_mean vs run
χ^2 / ndf 61.13 / 77
p0 321.5 ± 852.5
pull
Entries 78
Mean 1124
Std Dev 1082
pull1D
Entries 78
Mean −0.003336
Std Dev 0.8853

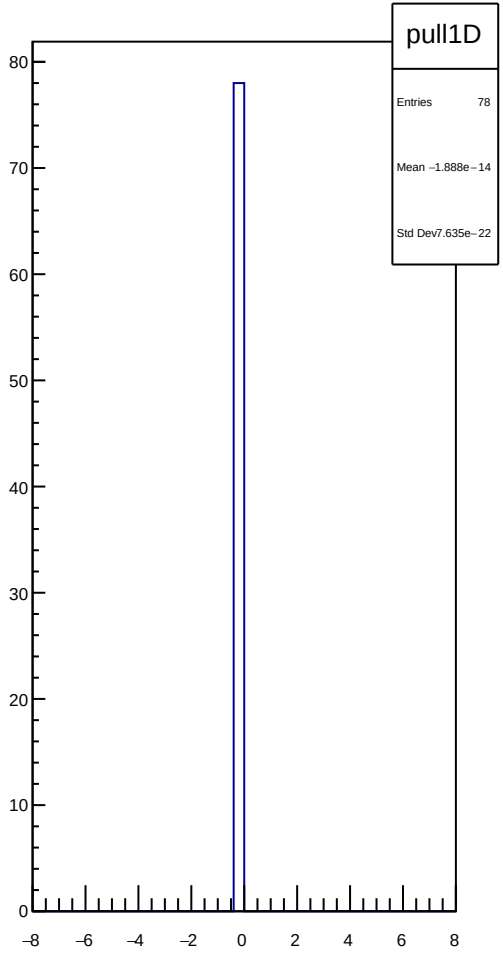

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.668e+04 / 77
p0 721.9 ± 0.6028
950
900
850
800
750
700
650
600
550
500


dit_usl_4aX_slope vs run
χ^2 / ndf 2.905e−25 / 77
p0 −233.1 ± 0.8438
pull
Entries 78
Mean 39
Std Dev 22.51

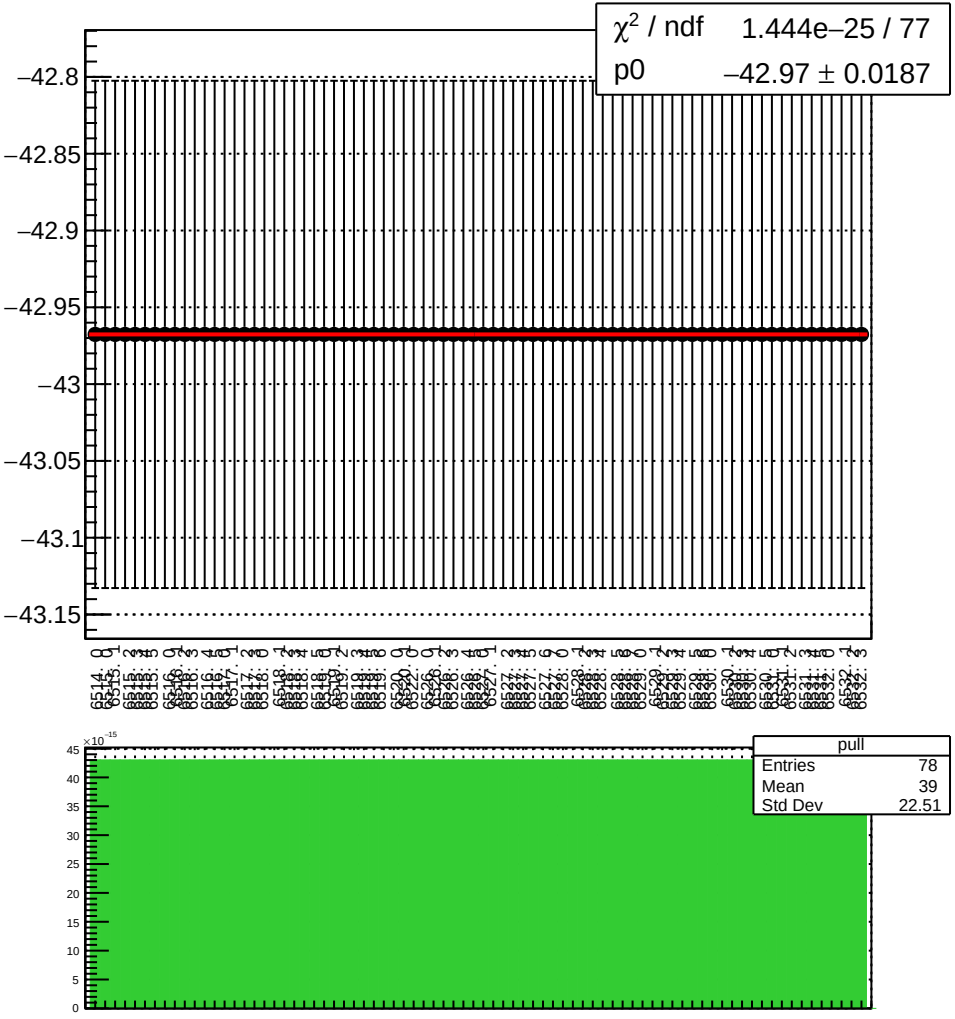

pull1D
Entries 78
Mean −6.102e−14
Std Dev1.198e−21

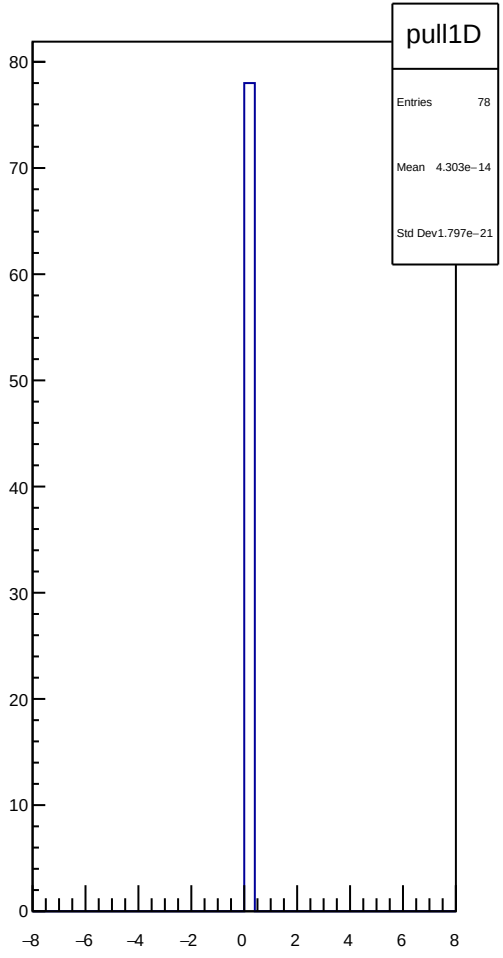
dit_usl_4eX_slope vs run

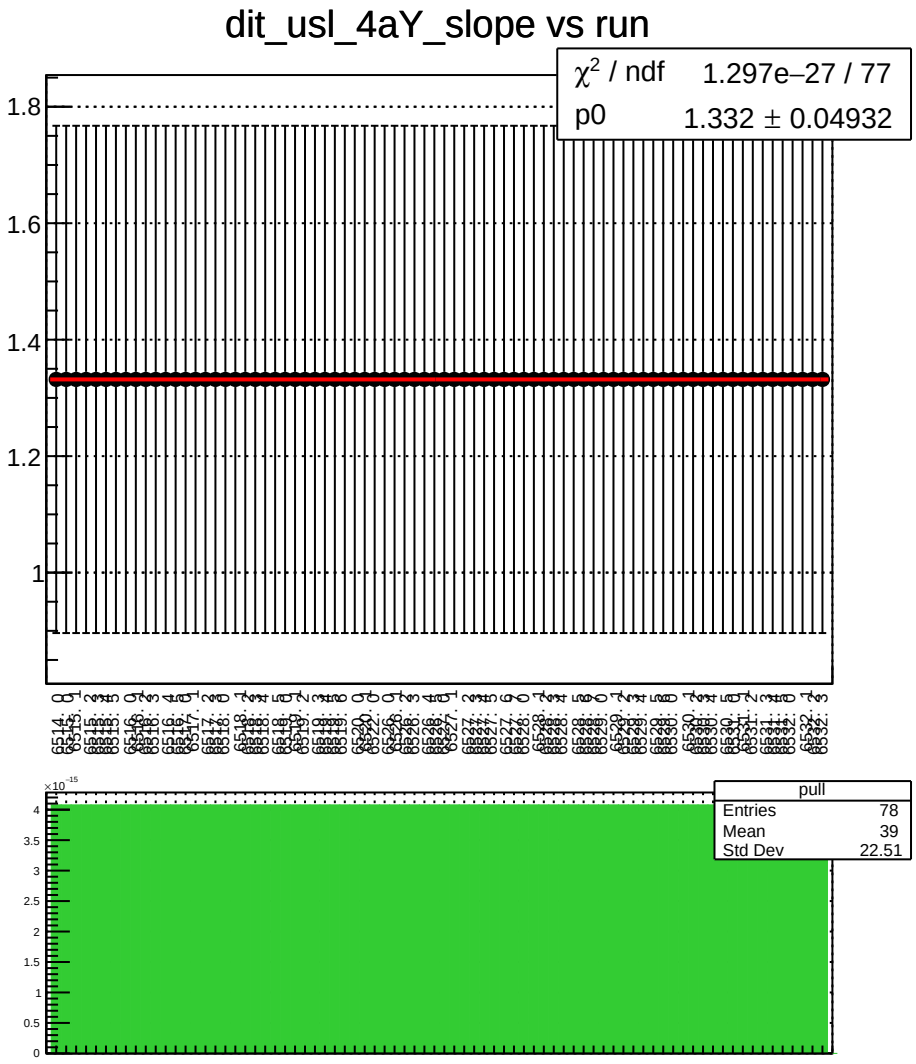


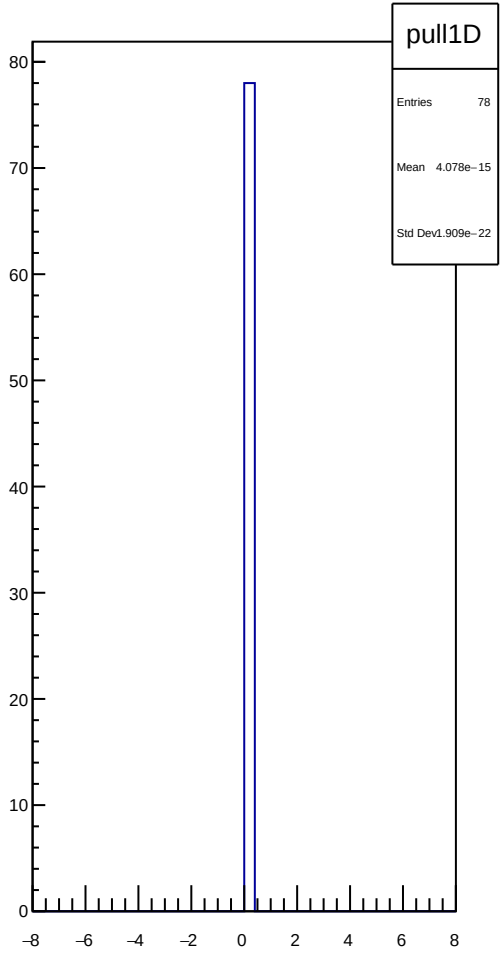


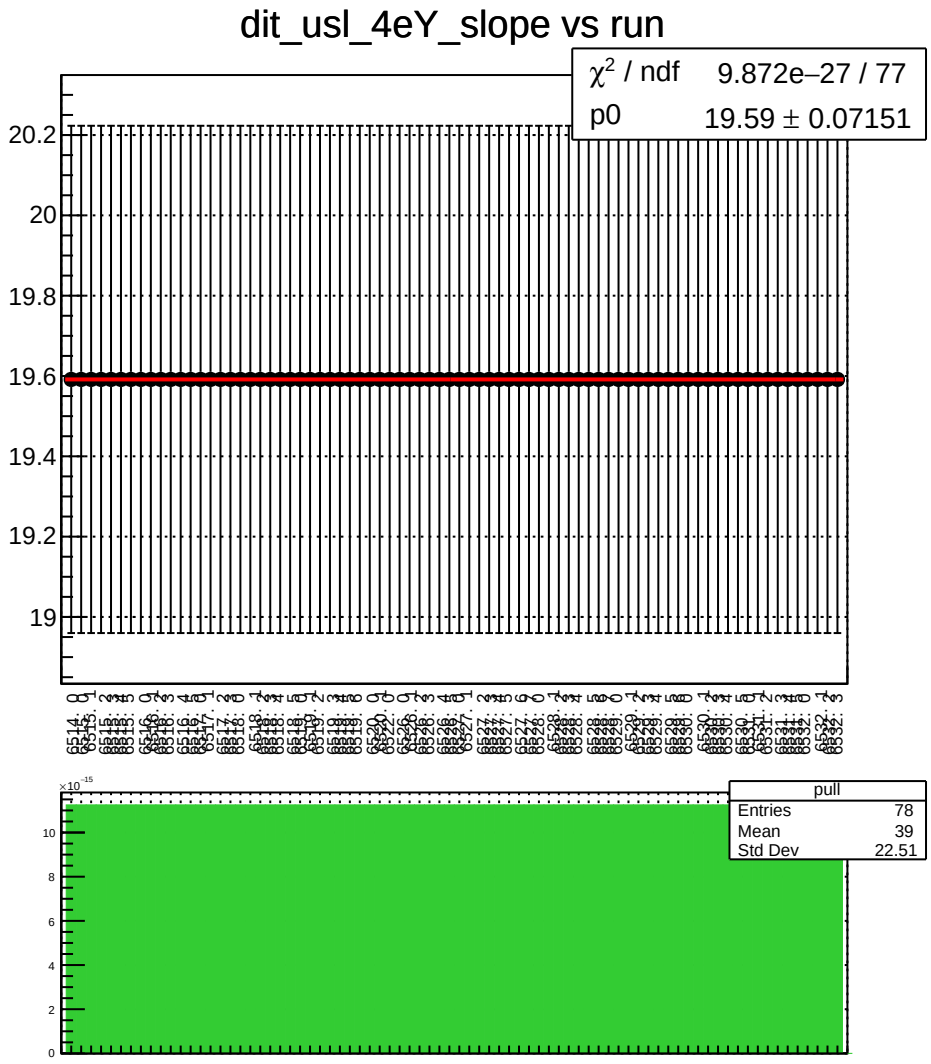
dit_usl_11X12X_slope vs run

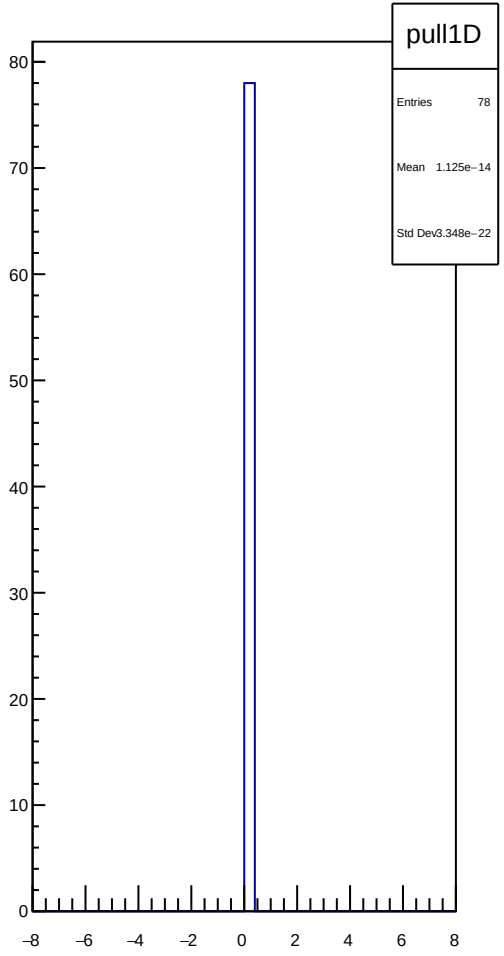




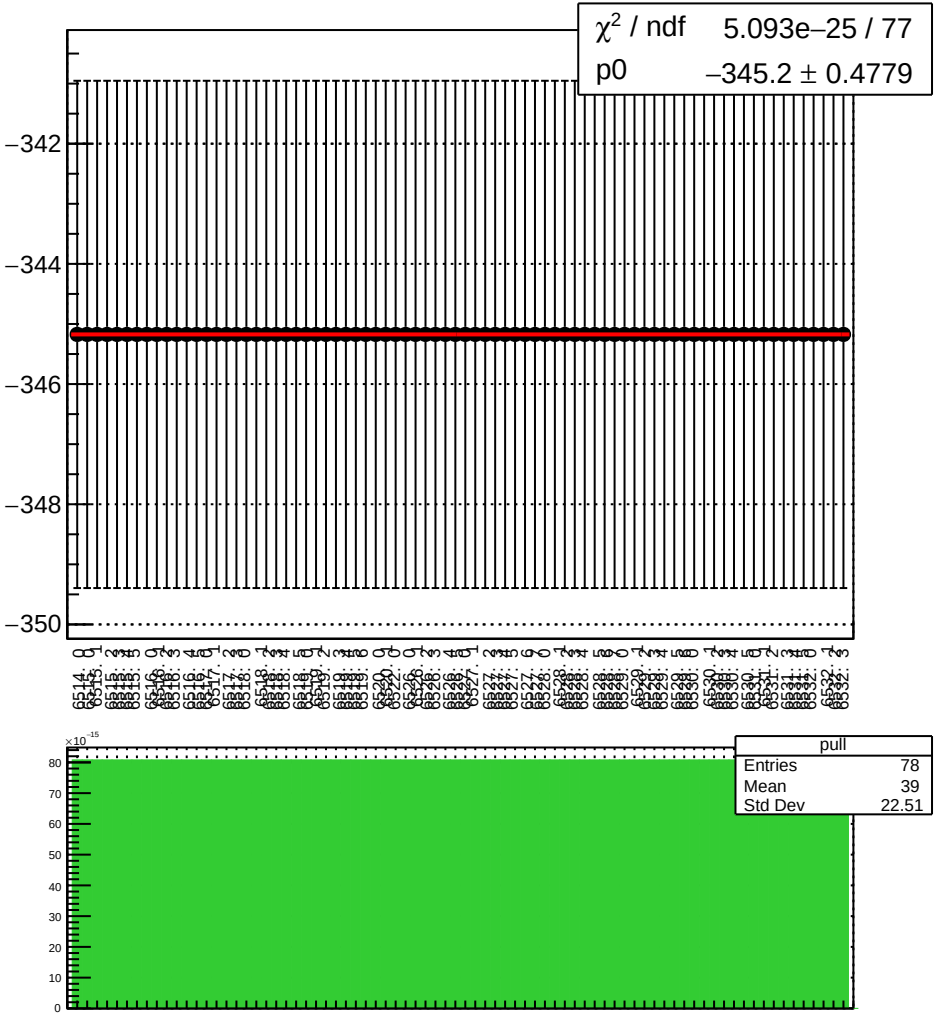

dit_usl_4aY_slope vs run
χ^2 / ndf 1.297e−27 / 77
p0 1.332 ± 0.04932
1.8
1.6
1.4
1.2
1
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-15}$
4
3.5
3
2.5
2
1.5
1
0.5
0

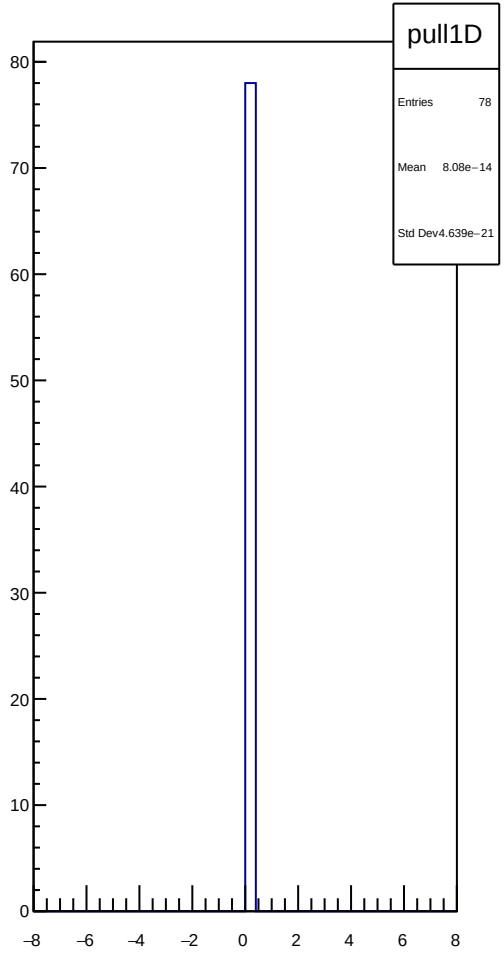

pull1D
Entries 78
Mean 4.078e−15
Std Dev 1.909e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

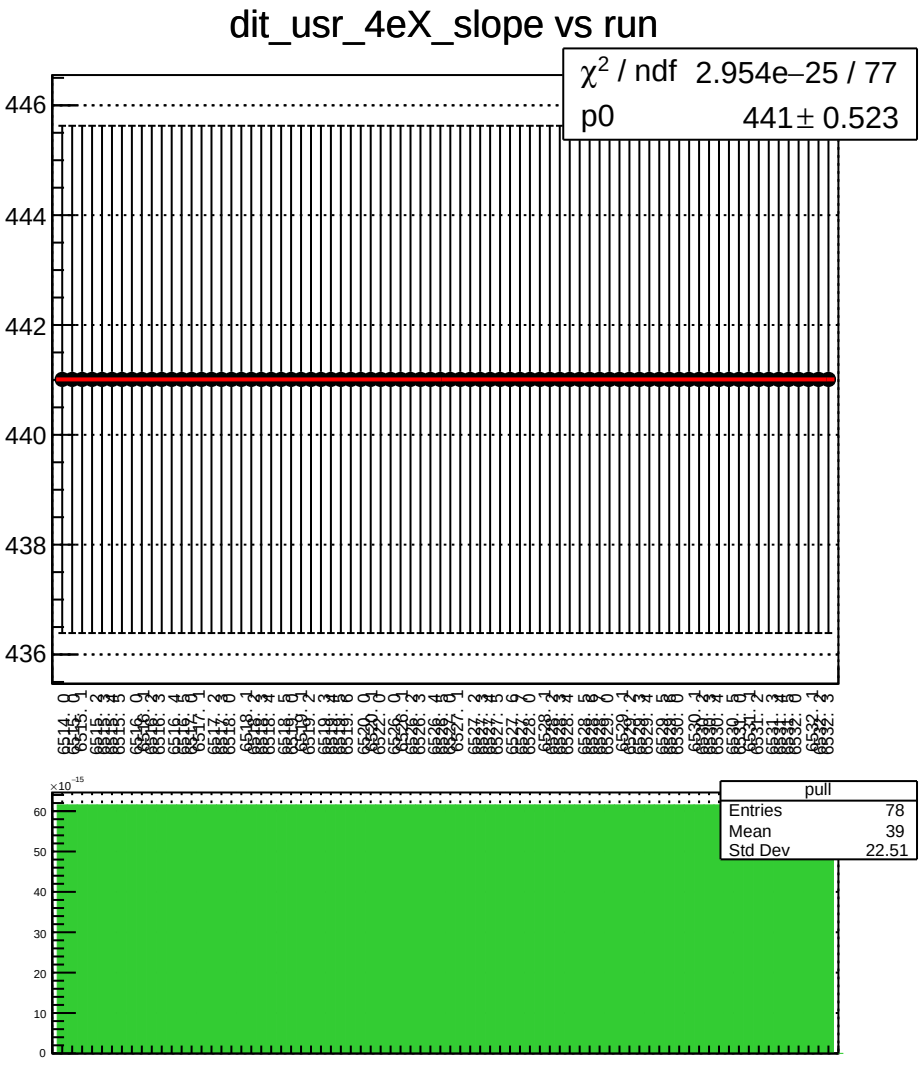

dit_usl_4eY_slope vs run
χ^2 / ndf 9.872e−27 / 77
p0 19.59 ± 0.07151
20.2
20
19.8
19.6
19.4
19.2
19
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
10
8
6
4
2
0

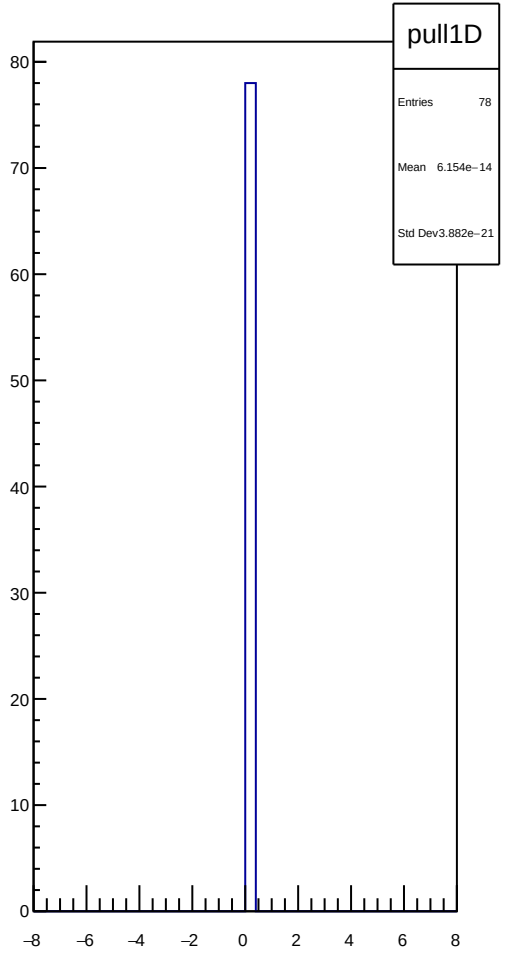

pull1D
Entries 78
Mean 1.125e−14
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run

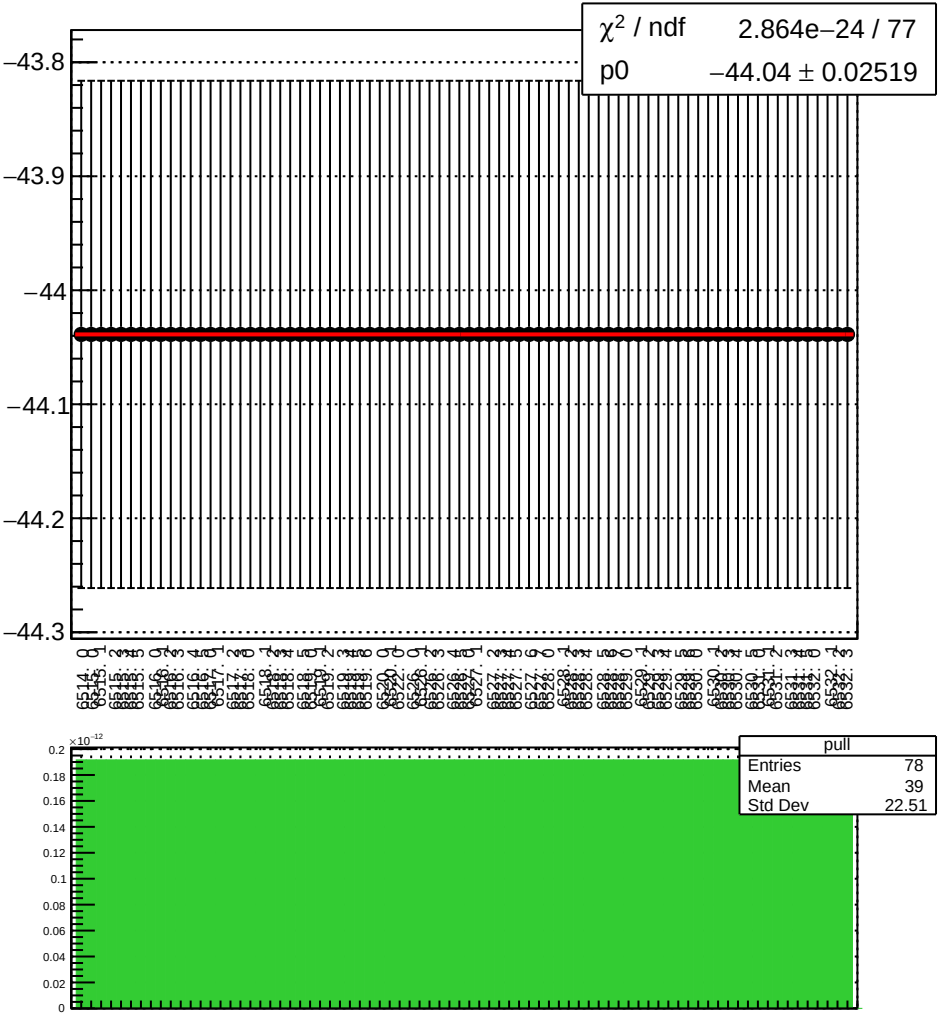


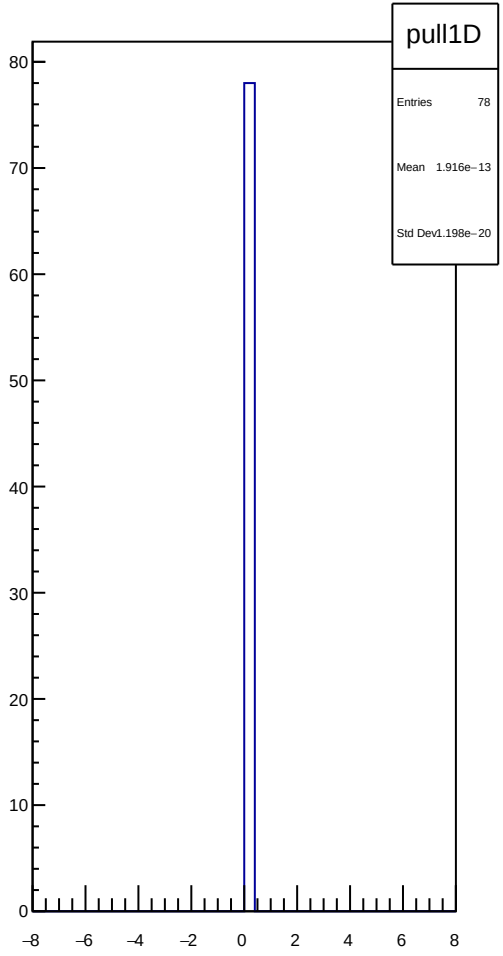


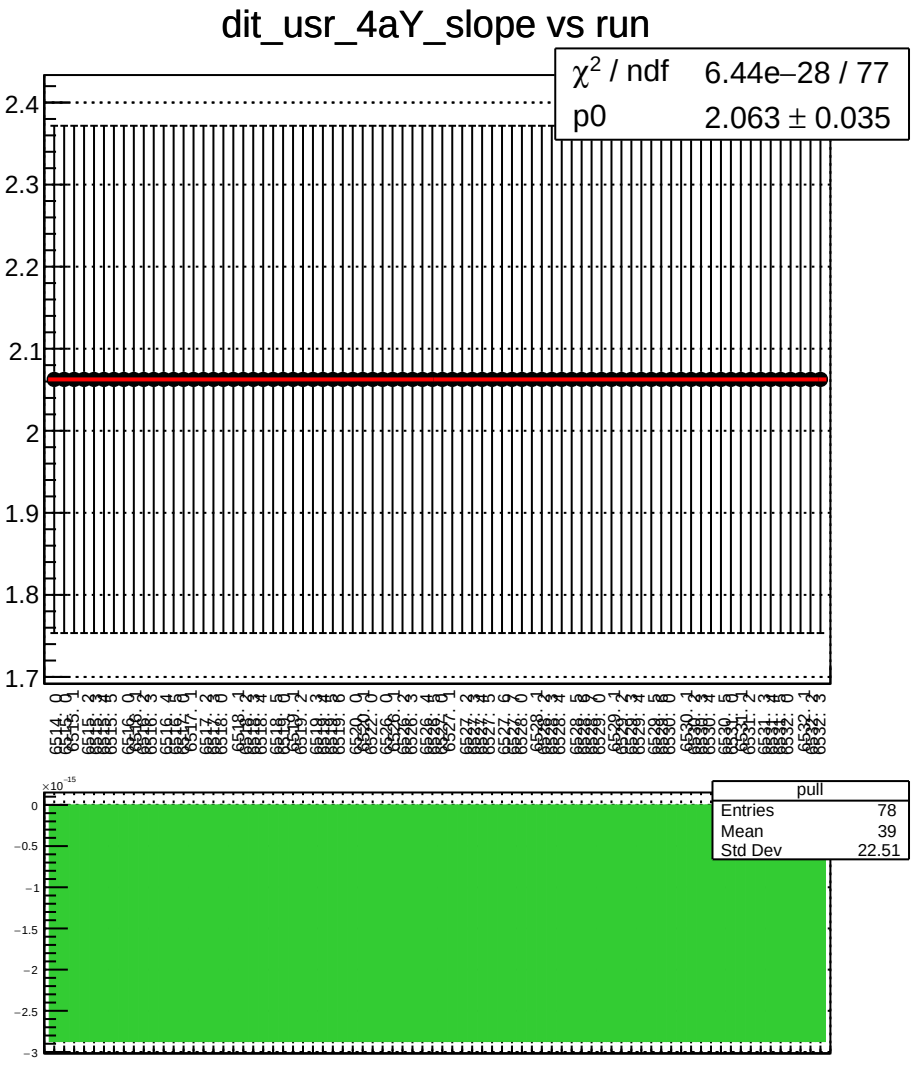

dit_usr_4eX_slope vs run
χ^2 / ndf 2.954e−25 / 77
p0 441 ± 0.523
446
444
442
440
438
436
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
60
50
40
30
20
10
0

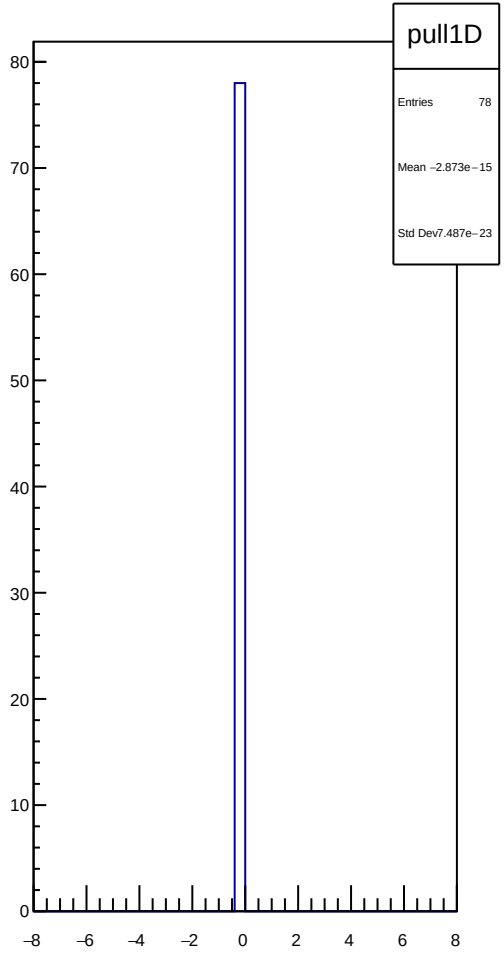

pull1D
Entries 78
Mean 6.154e−14
Std Dev3.882e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

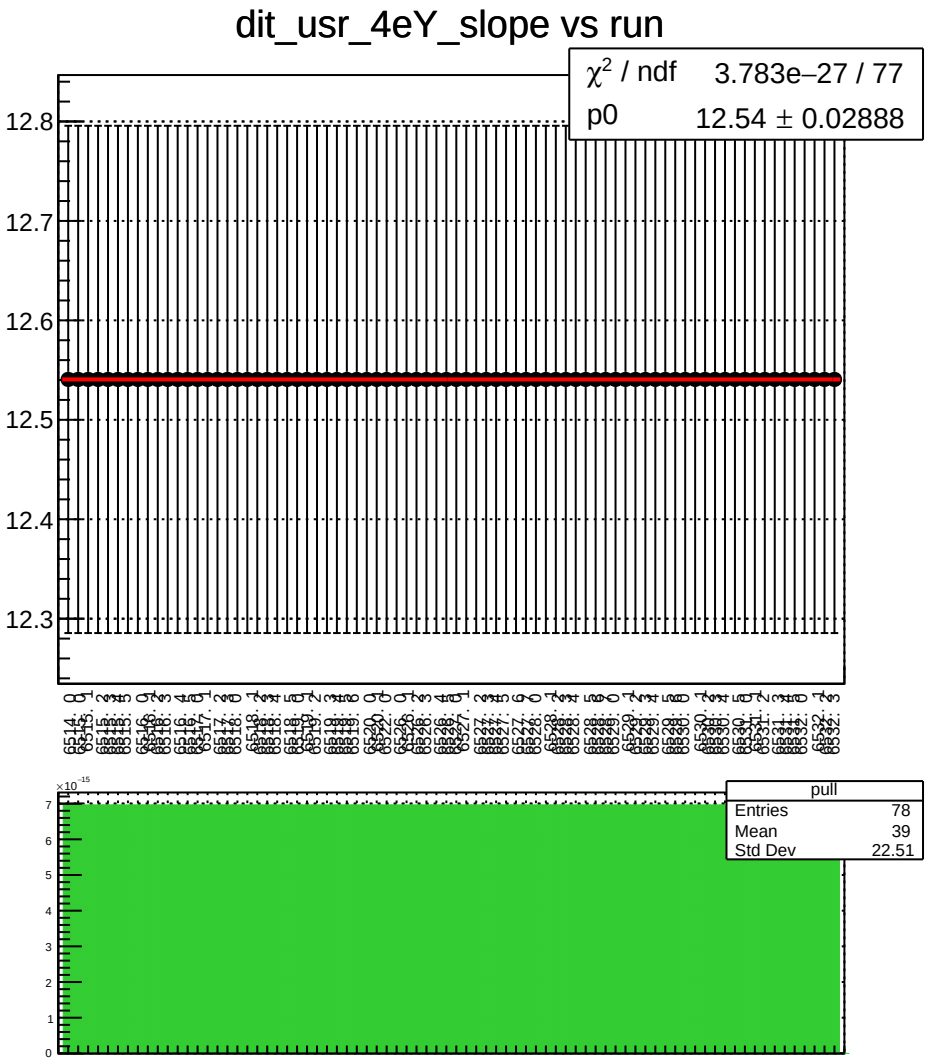
dit_usr_11X12X_slope vs run

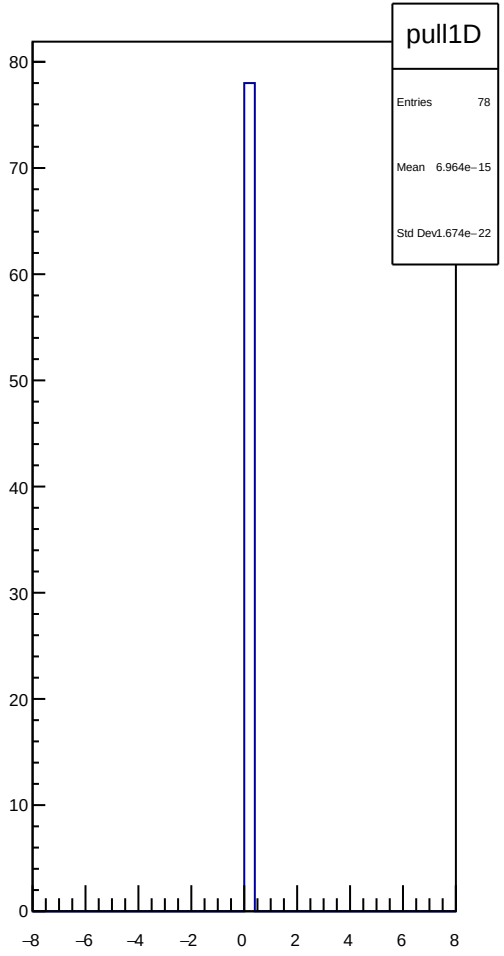


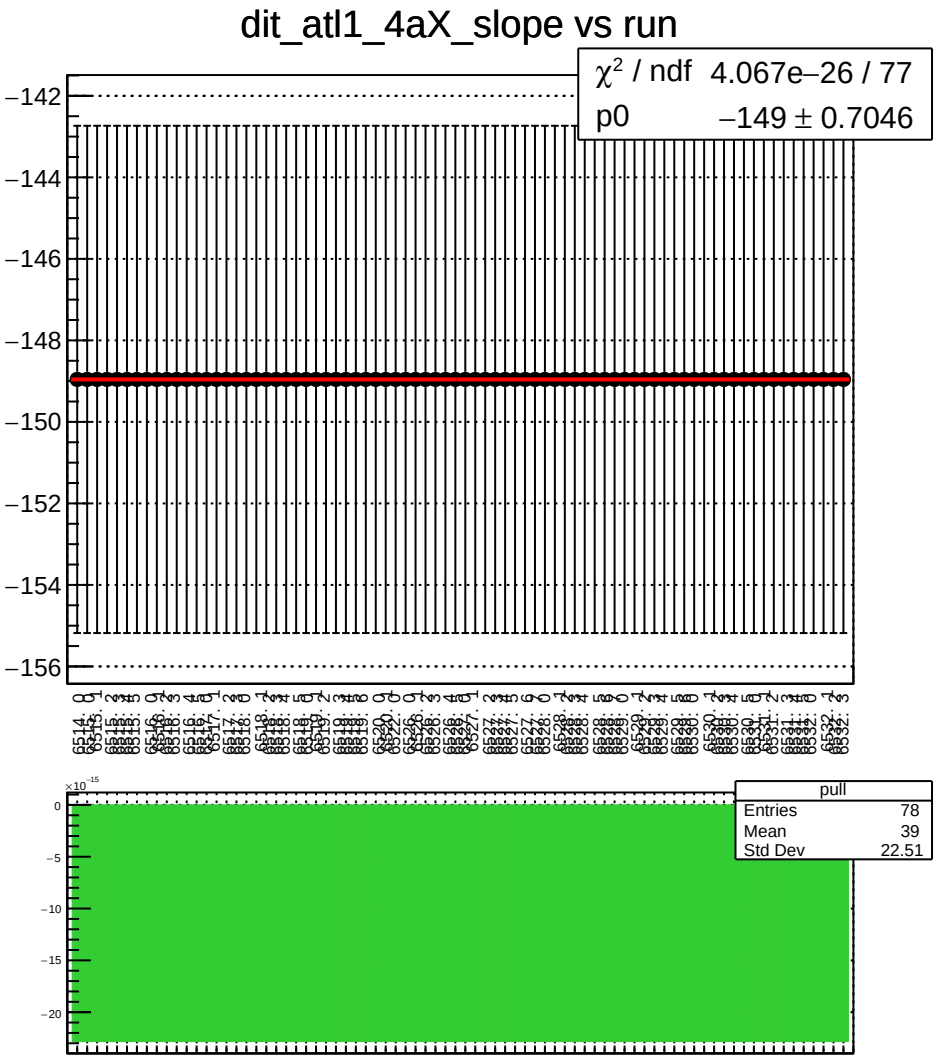


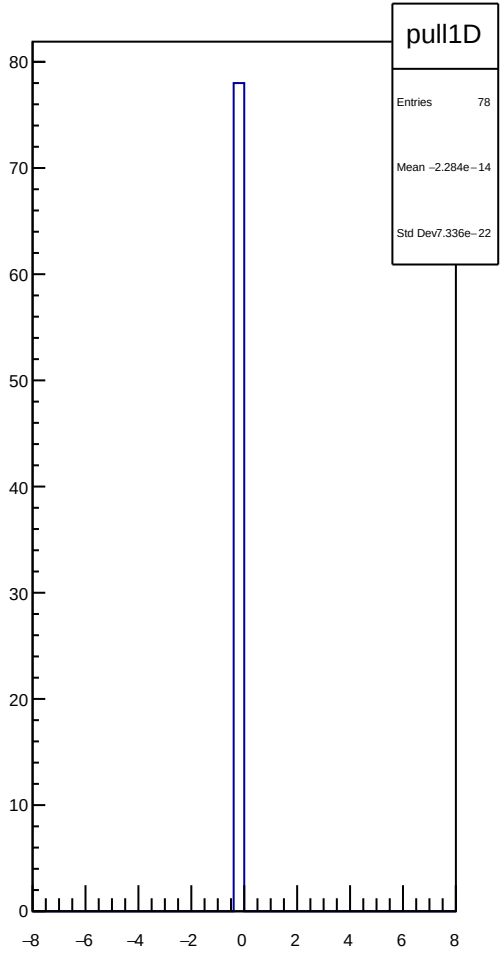

dit_usr_4aY_slope vs run
χ^2 / ndf 6.44e−28 / 77
p0 2.063 ± 0.035
pull
Entries 78
Mean 39
Std Dev 22.51

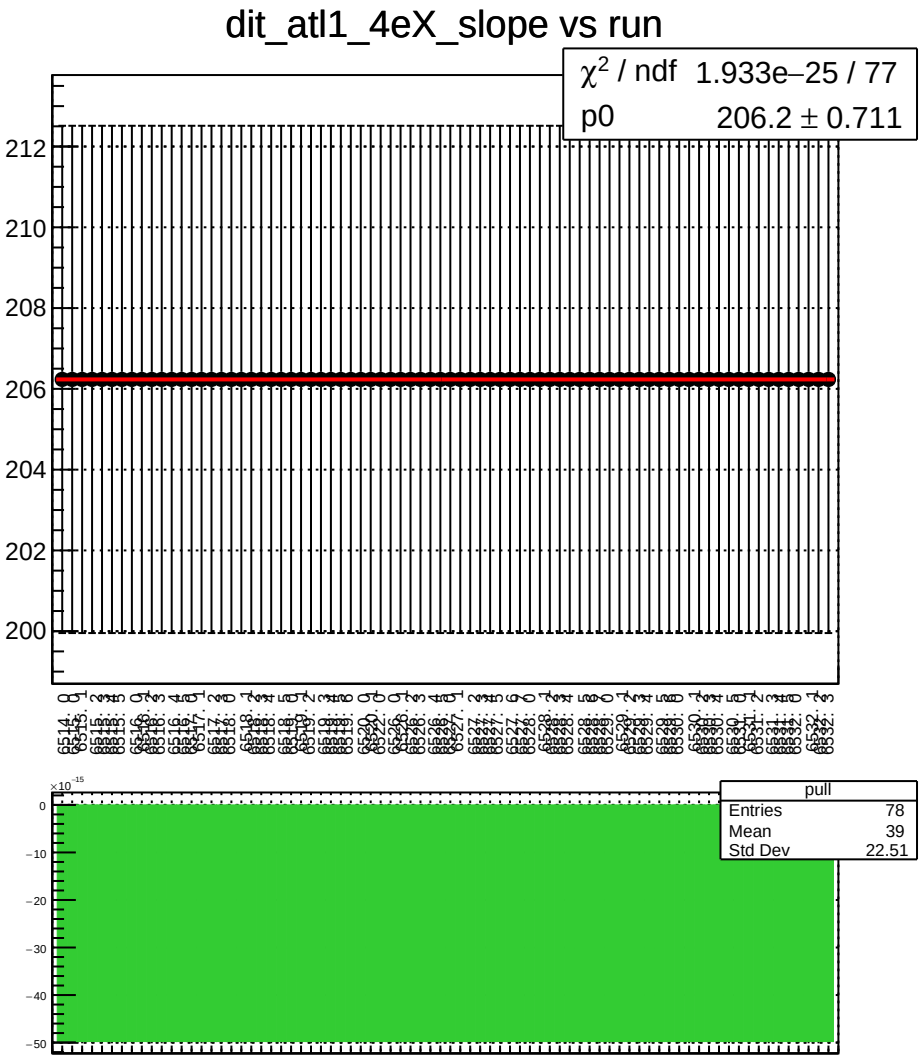

pull1D
Entries 78
Mean −2.873e−15
Std Dev7.487e−23

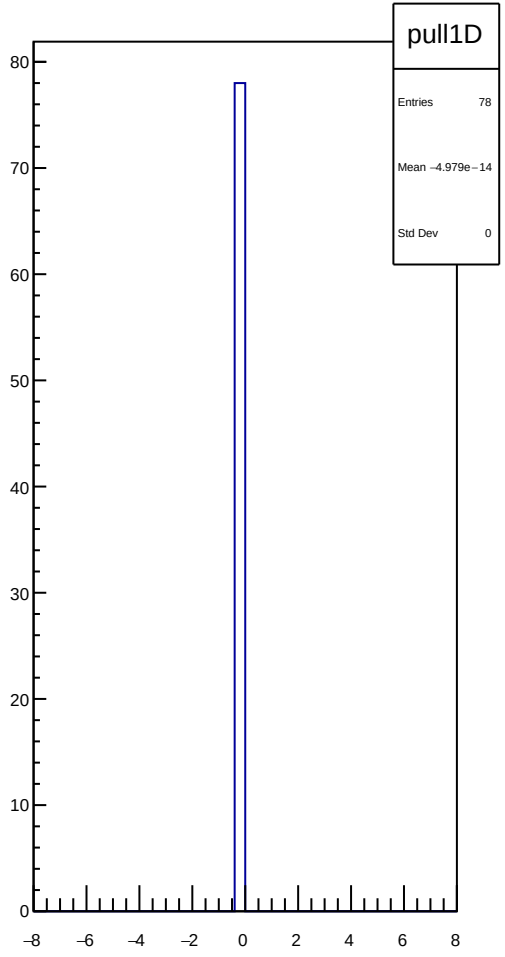

dit_usr_4eY_slope vs run
χ² / ndf 3.783e−27 / 77
p0 12.54 ± 0.02888
12.8
12.7
12.6
12.5
12.4
12.3
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
7
6
5
4
3
2
1
0

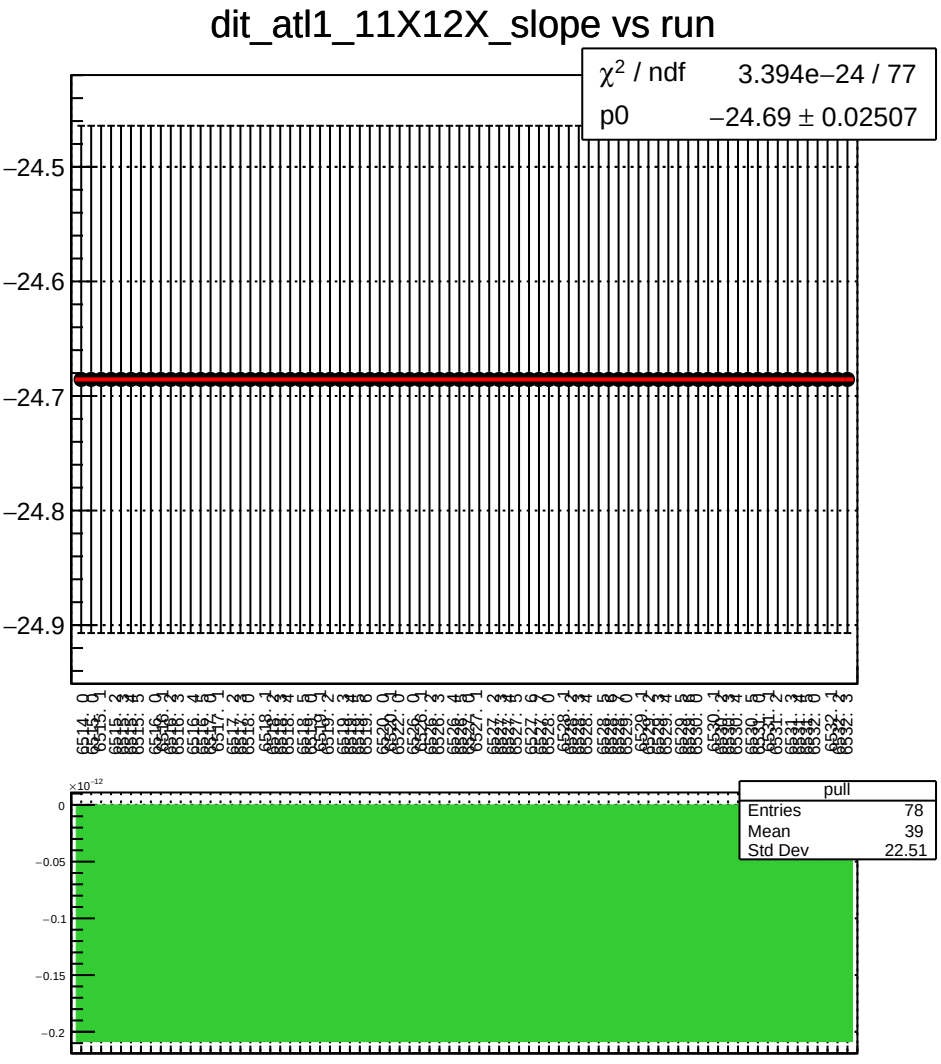

pull1D
Entries 78
Mean 6.964e−15
Std Dev 1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

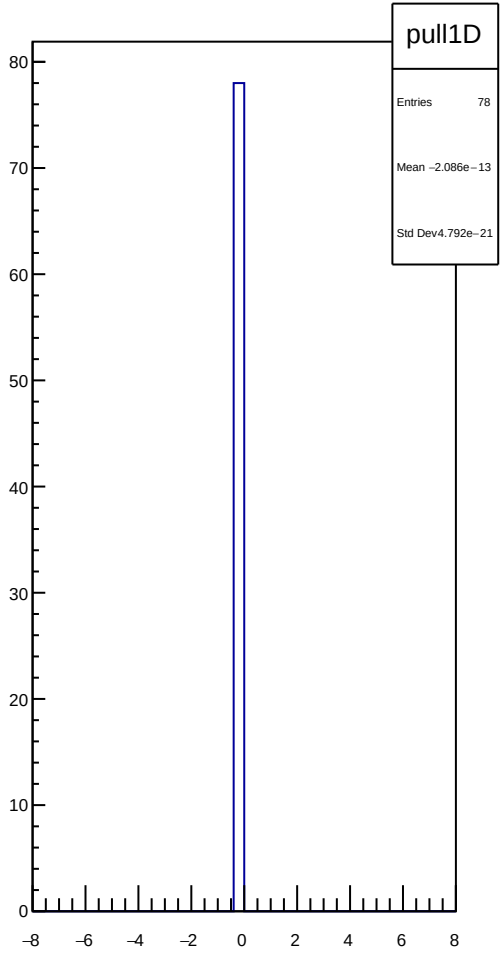

dit_atl1_4aX_slope vs run
χ^2 / ndf 4.067e−26 / 77
p0 −149 ± 0.7046
−142
−144
−146
−148
−150
−152
−154
−156
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20

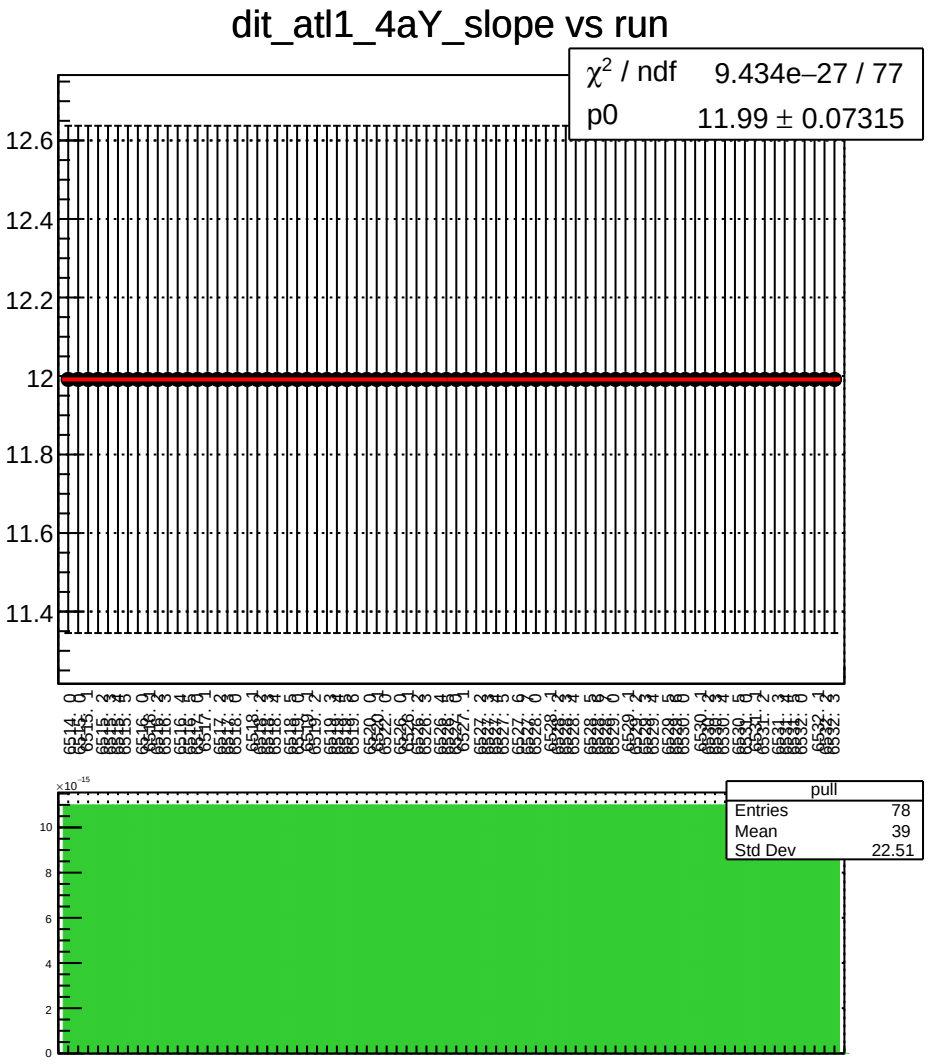

pull1D
Entries 78
Mean −2.284e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

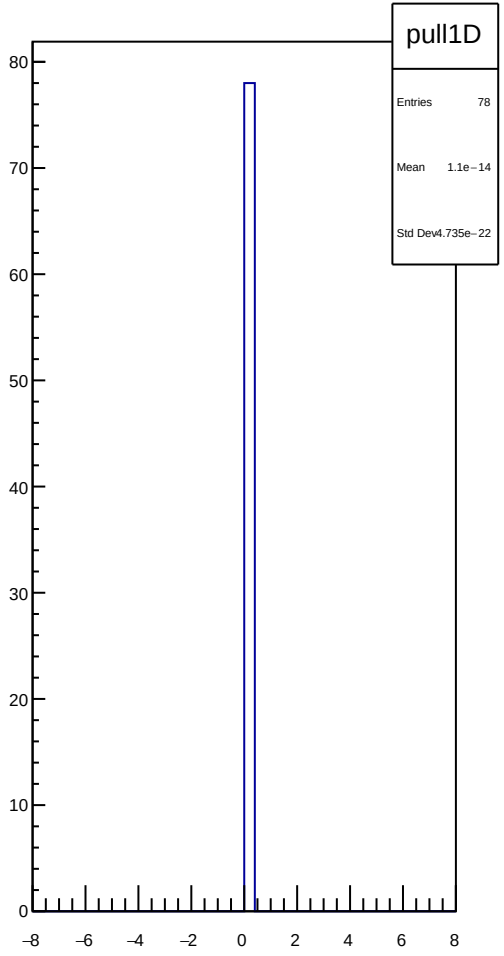

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.933e−25 / 77
p0 206.2 ± 0.711
212
210
208
206
204
202
200
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-15}$
0
−10
−20
−30
−40
−50

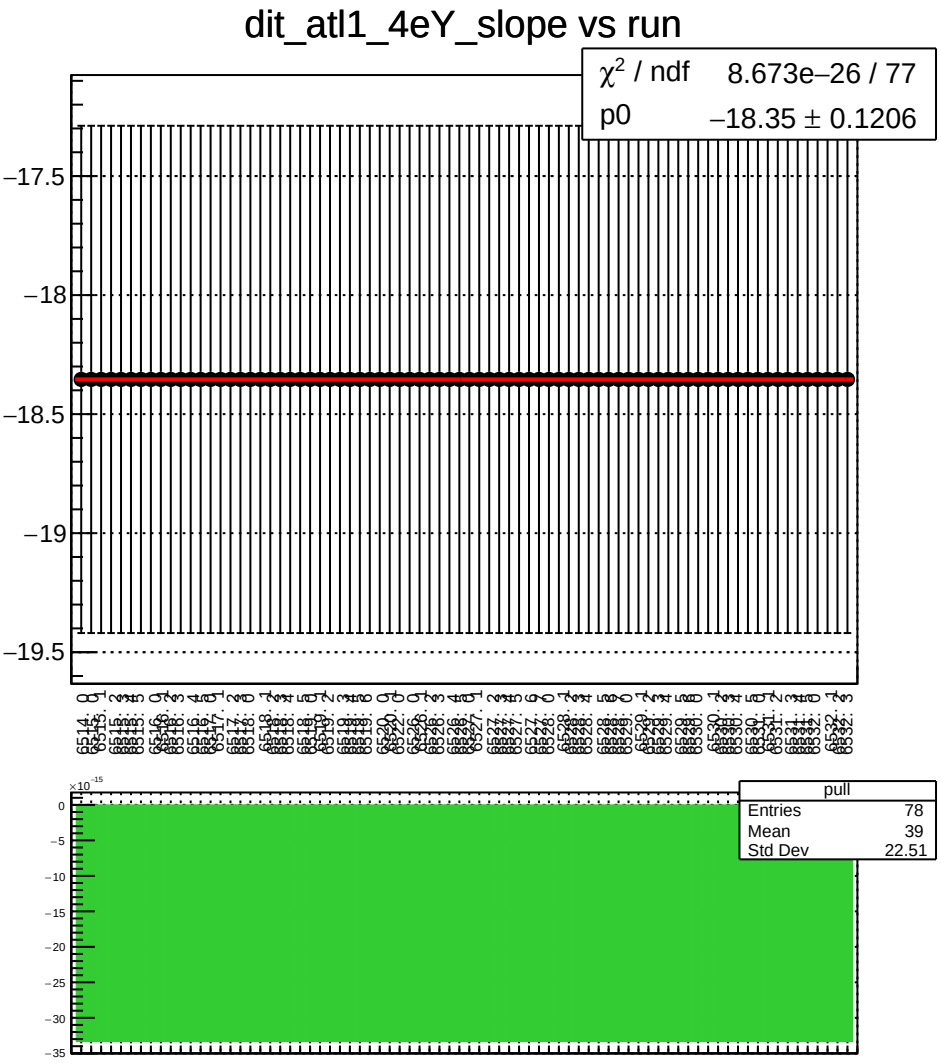

pull1D
Entries 78
Mean −4.979e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

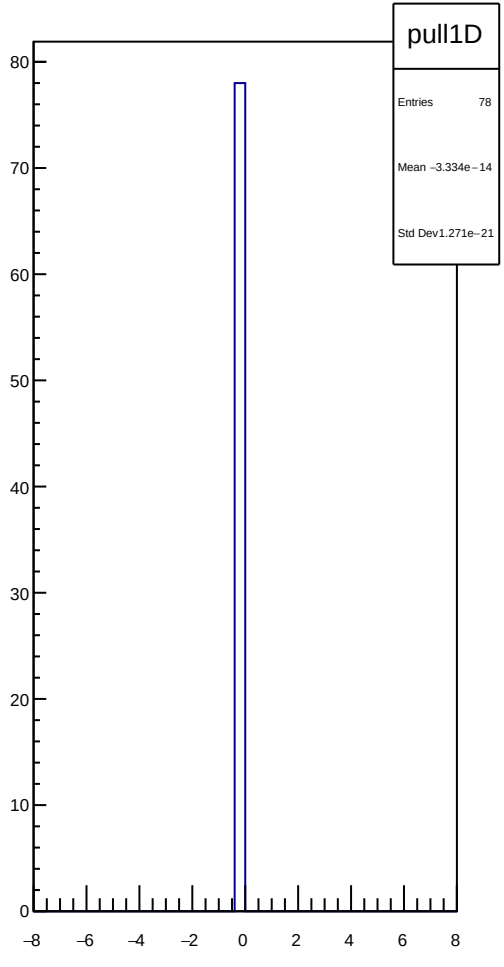

dit_atl1_11X12X_slope vs run
χ^2 / ndf 3.394e−24 / 77
p0 −24.69 ± 0.02507
−24.5
−24.6
−24.7
−24.8
−24.9
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2

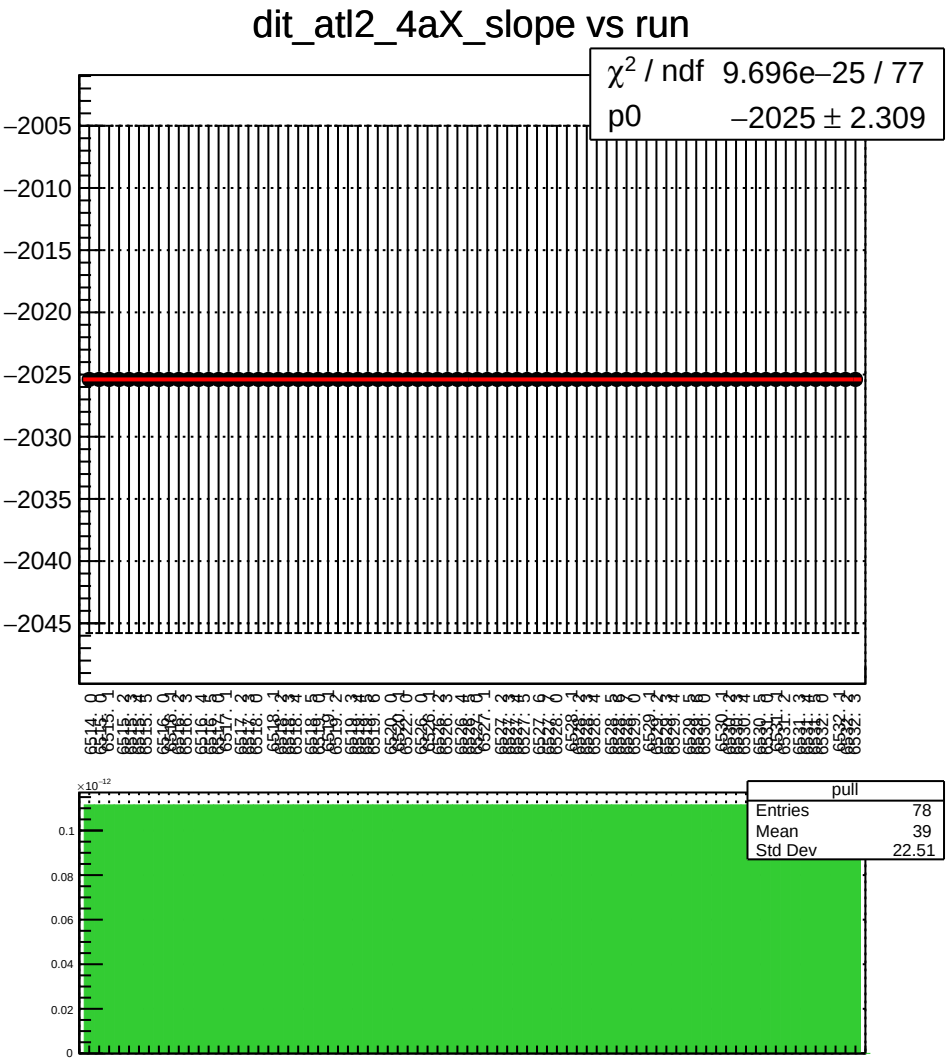

pull1D
Entries 78
Mean −2.086e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

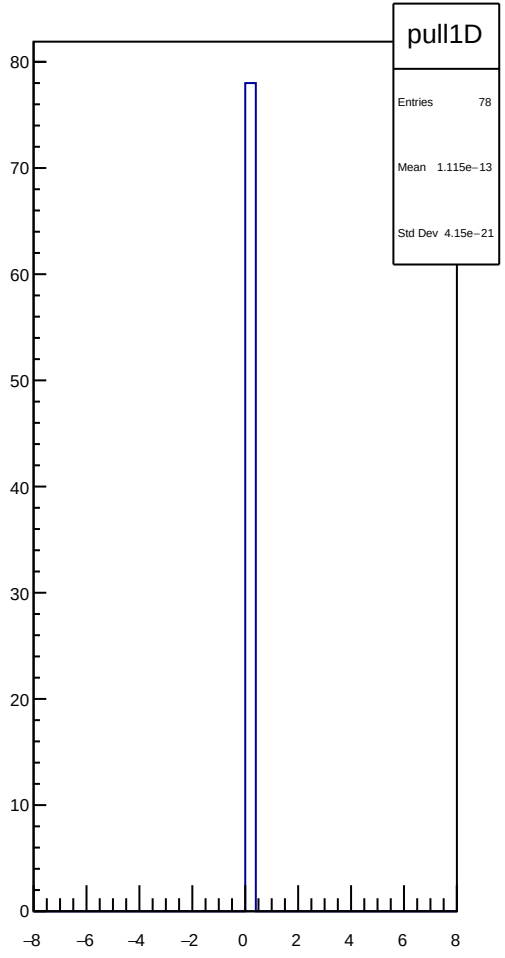

dit_atl1_4aY_slope vs run
χ^2 / ndf 9.434e−27 / 77
p0 11.99 ± 0.07315
12.6
12.4
12.2
12
11.8
11.6
11.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
10
8
6
4
2
0

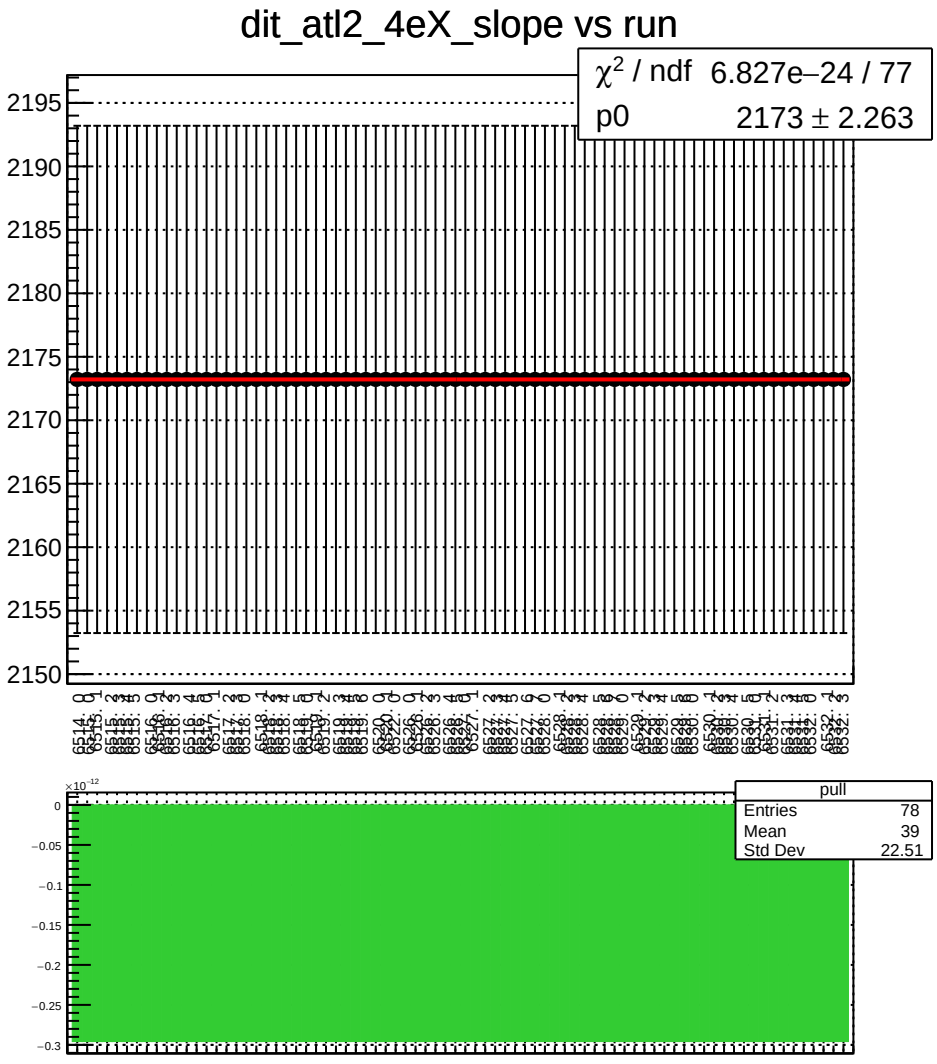

pull1D
Entries 78
Mean 1.1e−14
Std Dev 4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

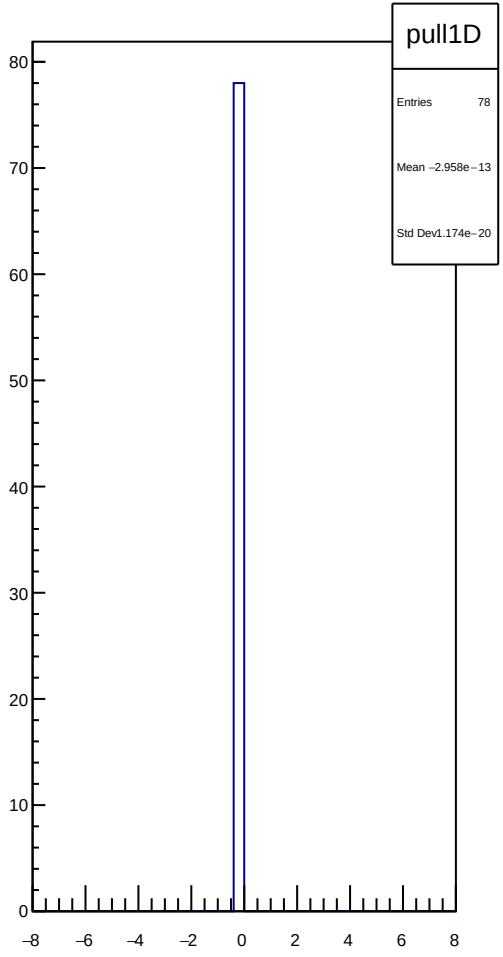

dit_atl1_4eY_slope vs run
χ^2 / ndf 8.673e−26 / 77
p0 −18.35 ± 0.1206
−17.5
−18
−18.5
−19
−19.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30
−35


pull1D
Entries 78
Mean −3.334e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

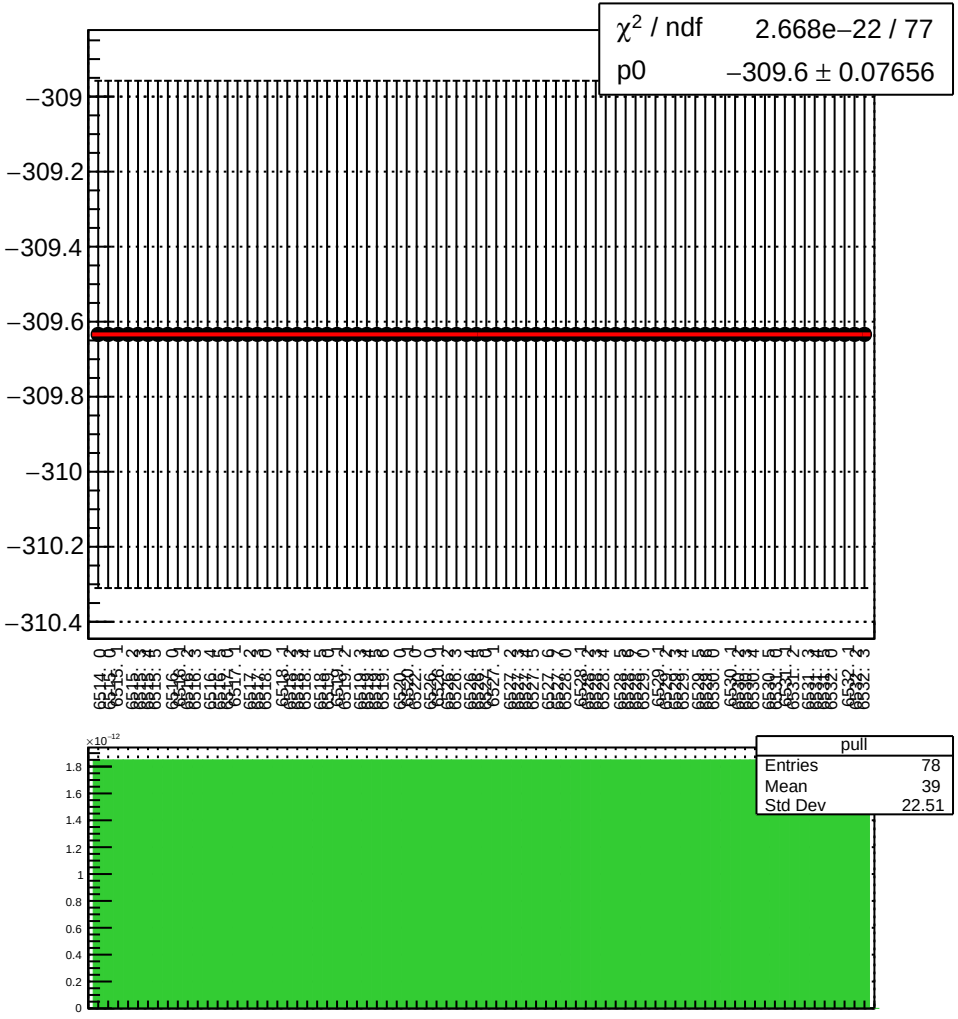

dit_atl2_4aX_slope vs run
χ^2 / ndf 9.696e−25 / 77
p0 −2025 ± 2.309
−2005
−2010
−2015
−2020
−2025
−2030
−2035
−2040
−2045
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

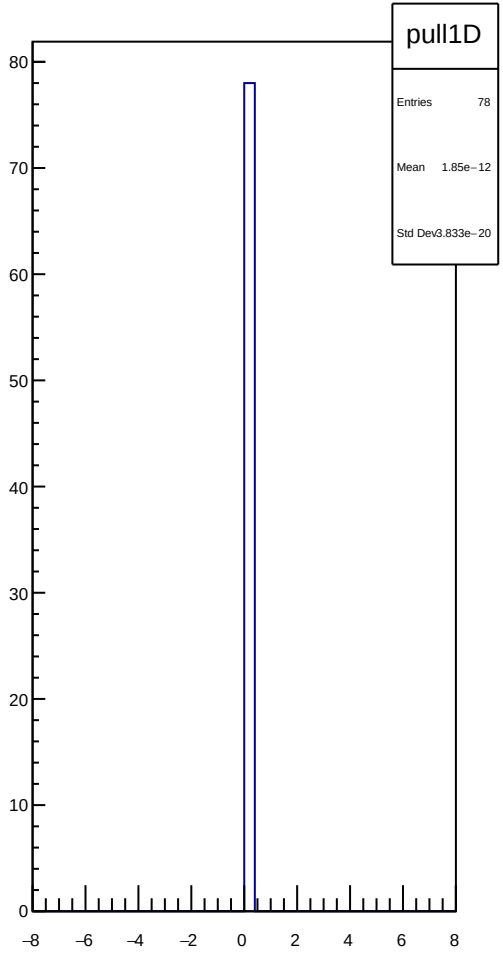

pull1D
Entries 78
Mean 1.115e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

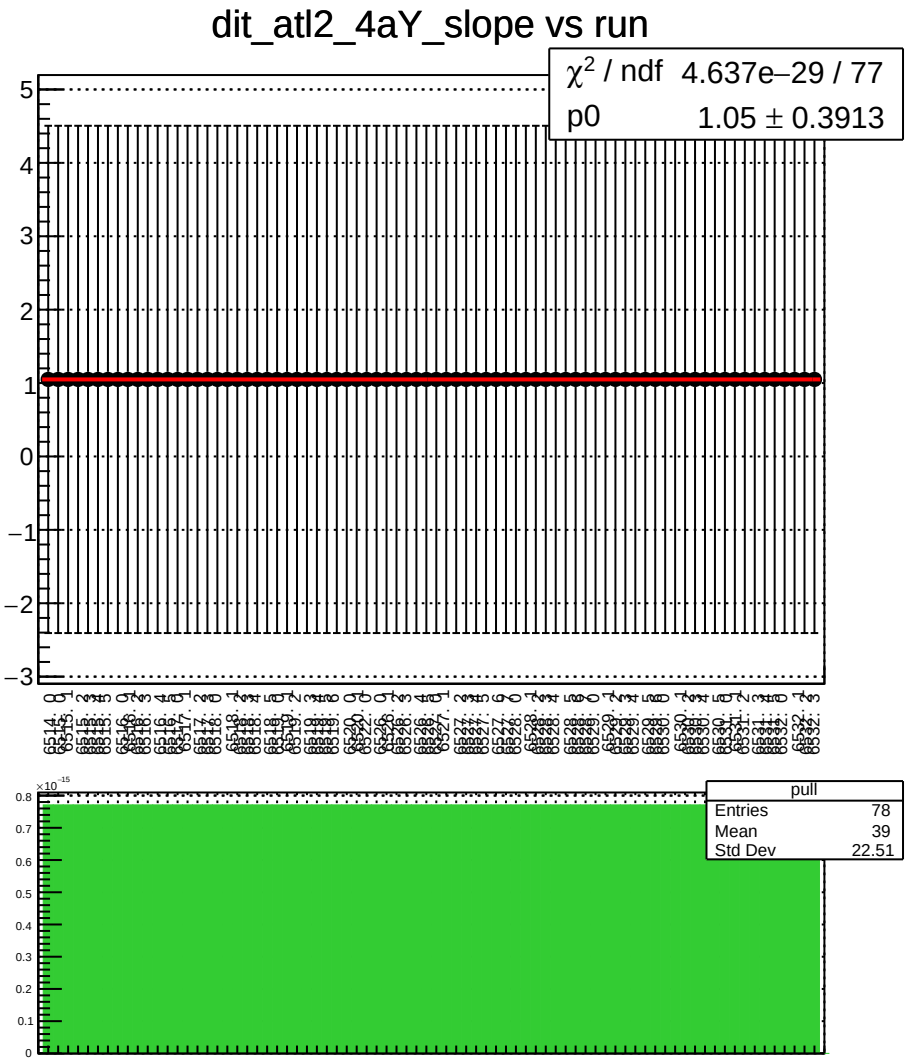

dit_atl2_4eX_slope vs run
χ^2 / ndf 6.827e−24 / 77
p0 2173 ± 2.263
2195
2190
2185
2180
2175
2170
2165
2160
2155
2150
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

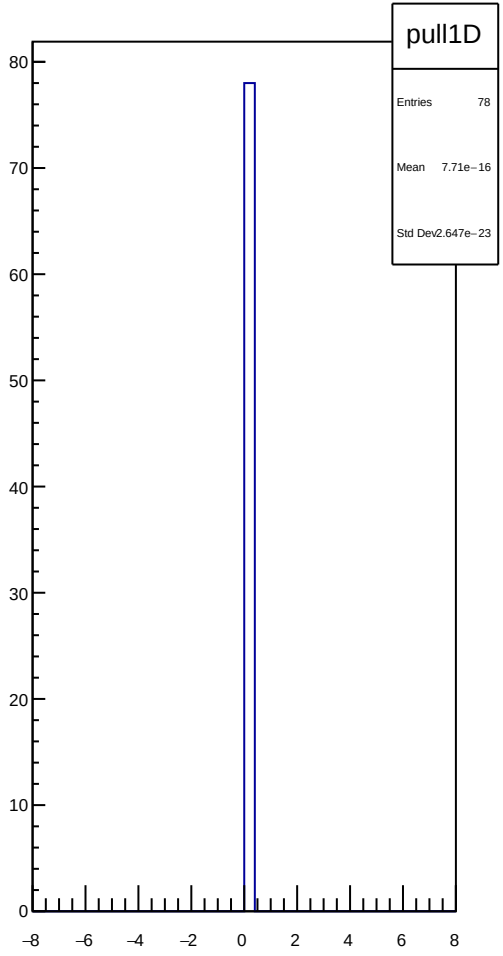

pull1D
Entries 78
Mean −2.958e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

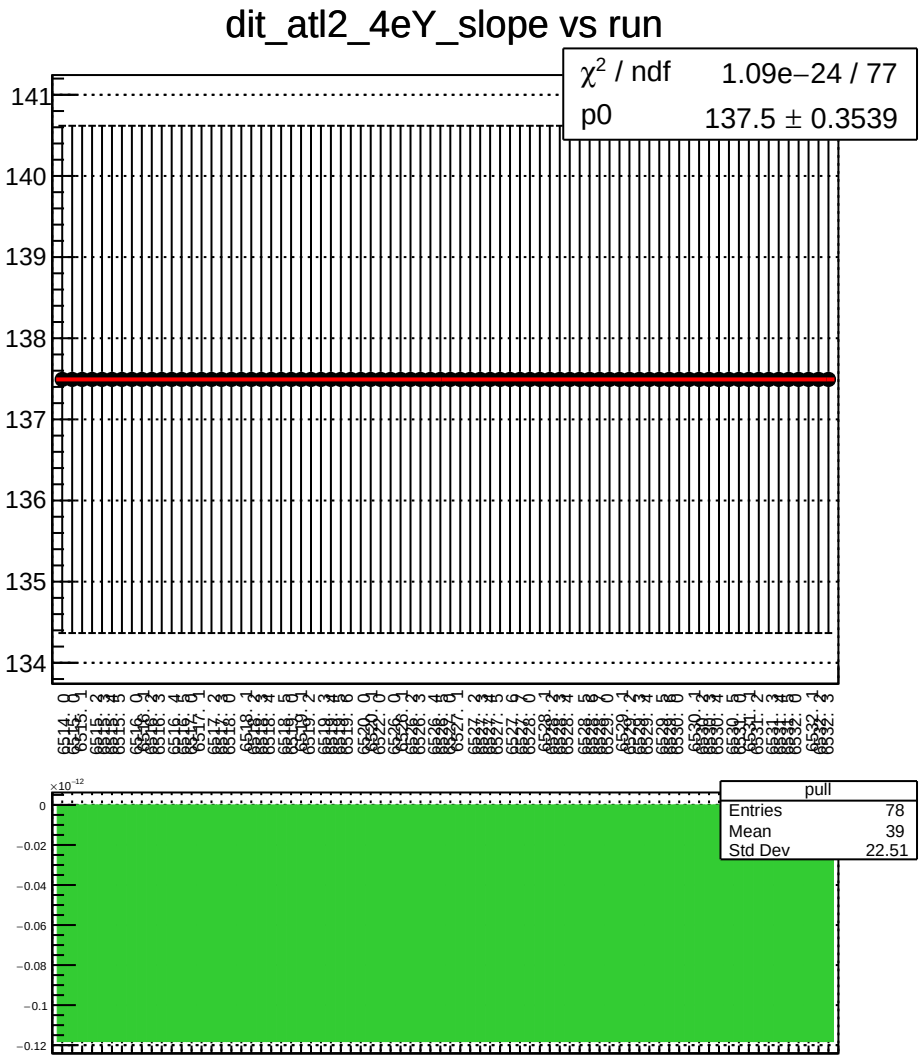
dit_atl2_11X12X_slope vs run

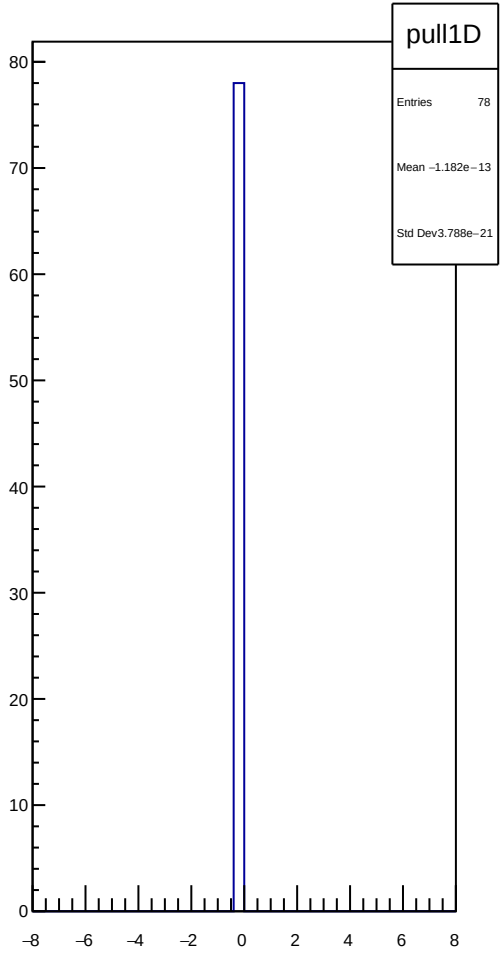




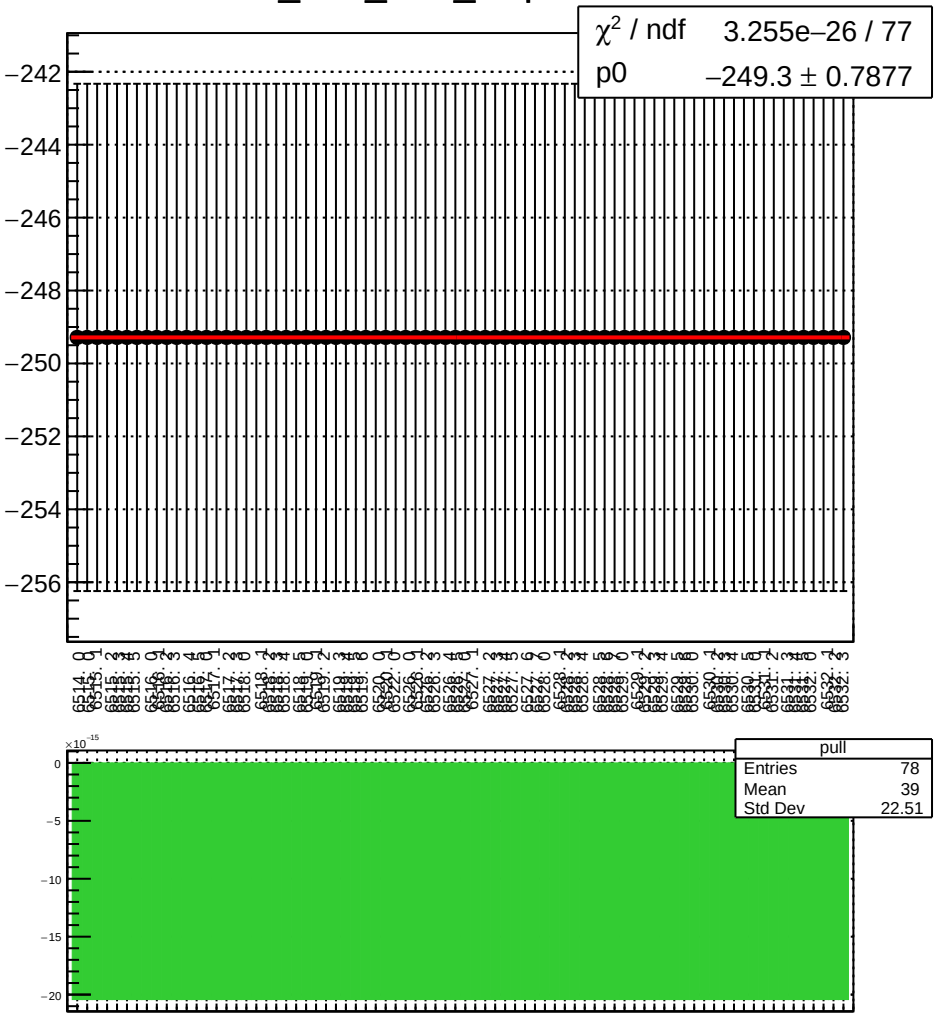

dit_atl2_4aY_slope vs run
χ^2 / ndf 4.637e−29 / 77
p0 1.05 ± 0.3913
pull
Entries 78
Mean 39
Std Dev 22.51

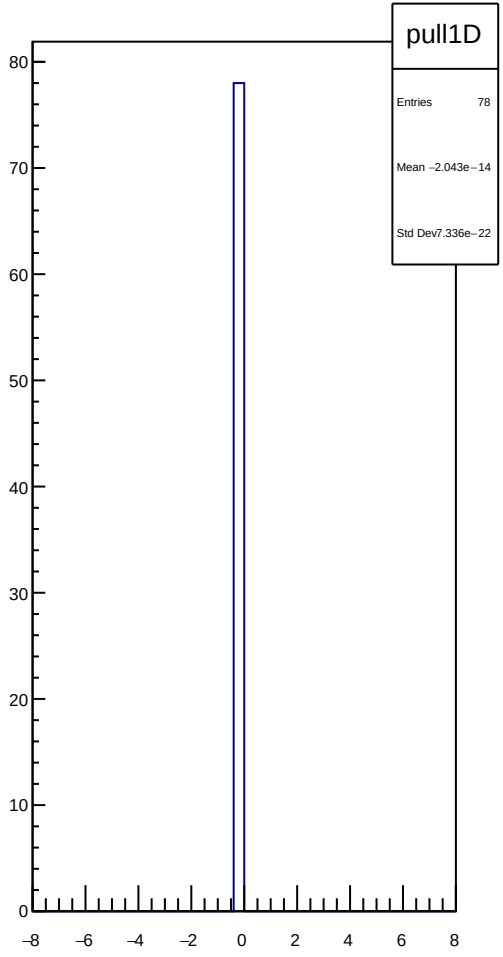

pull1D
Entries 78
Mean 7.71e−16
Std Dev 2.647e−23

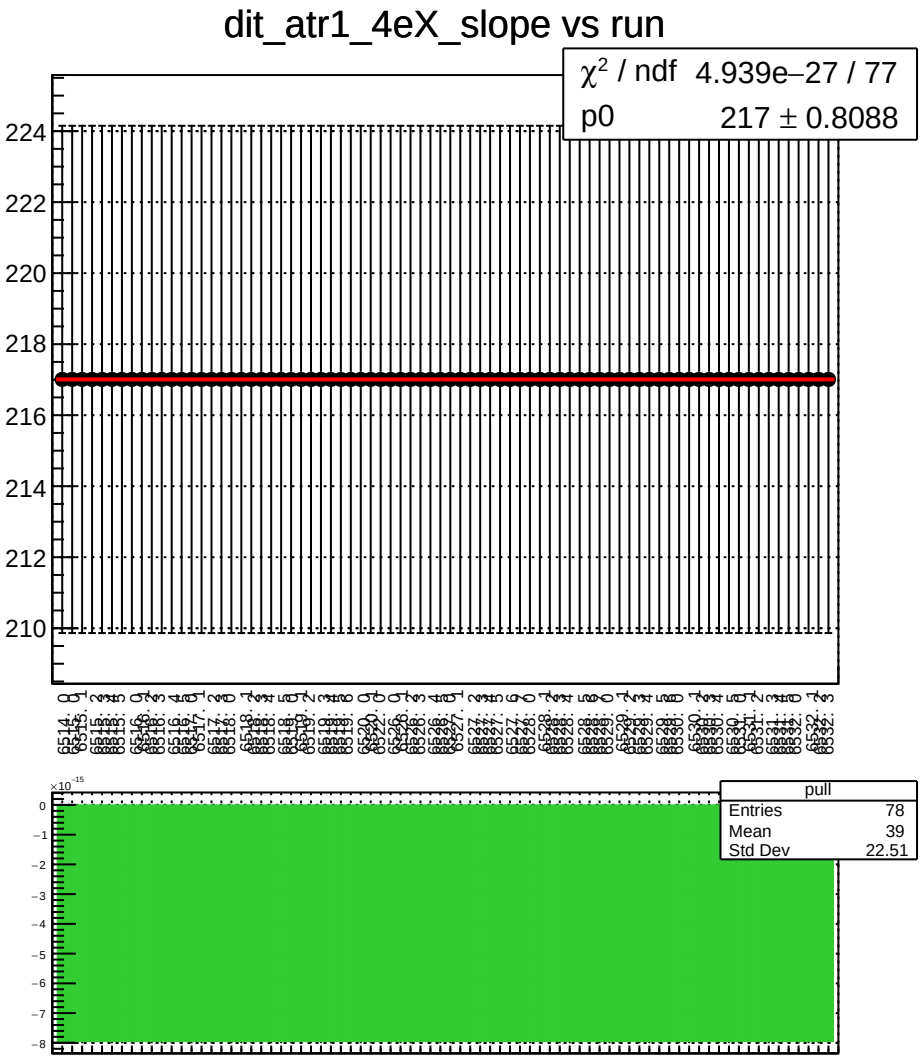

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.09e−24 / 77
p0 137.5 ± 0.3539
141
140
139
138
137
136
135
134
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

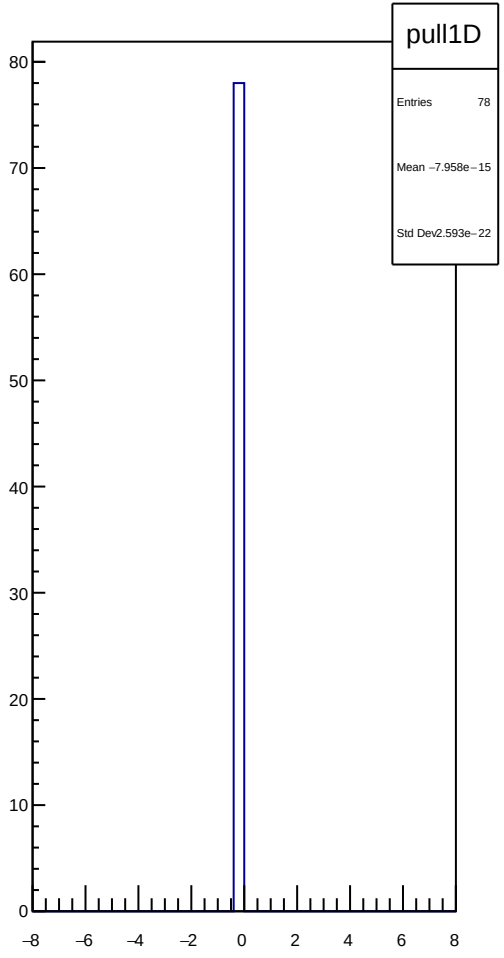

pull1D
Entries 78
Mean −1.182e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run

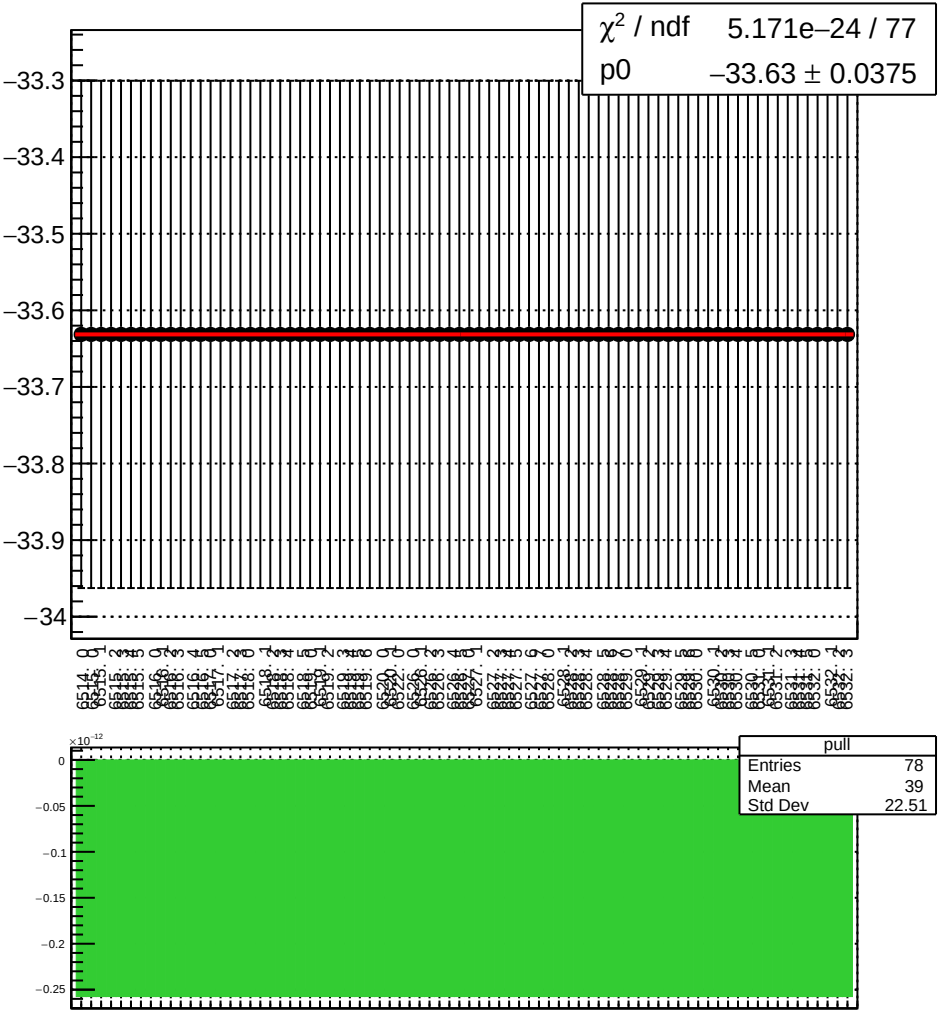


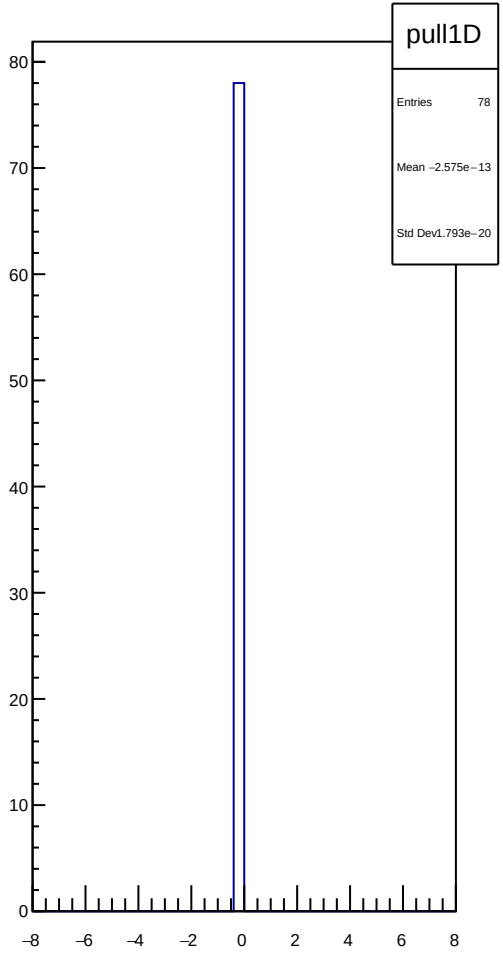



dit_atr1_4eX_slope vs run
χ^2 / ndf 4.939e−27 / 77
p0 217 ± 0.8088
224
222
220
218
216
214
212
210
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

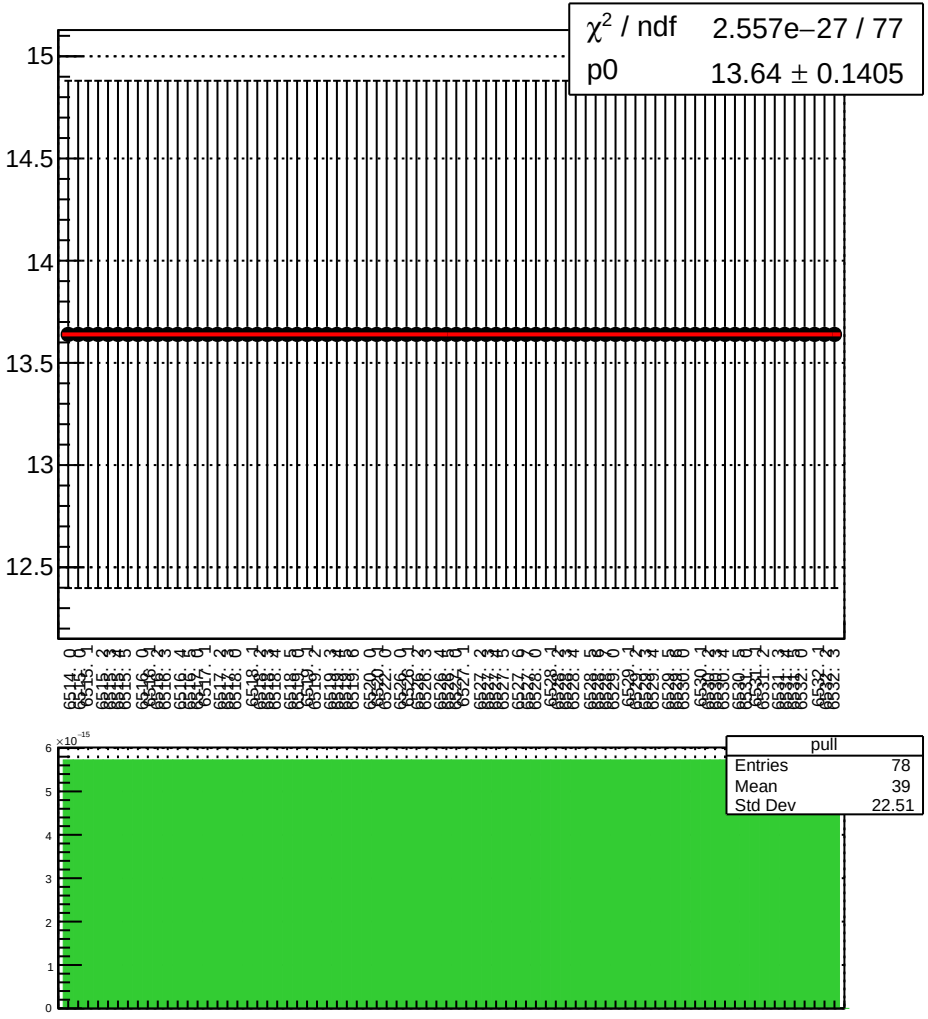

pull1D
Entries 78
Mean −7.958e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

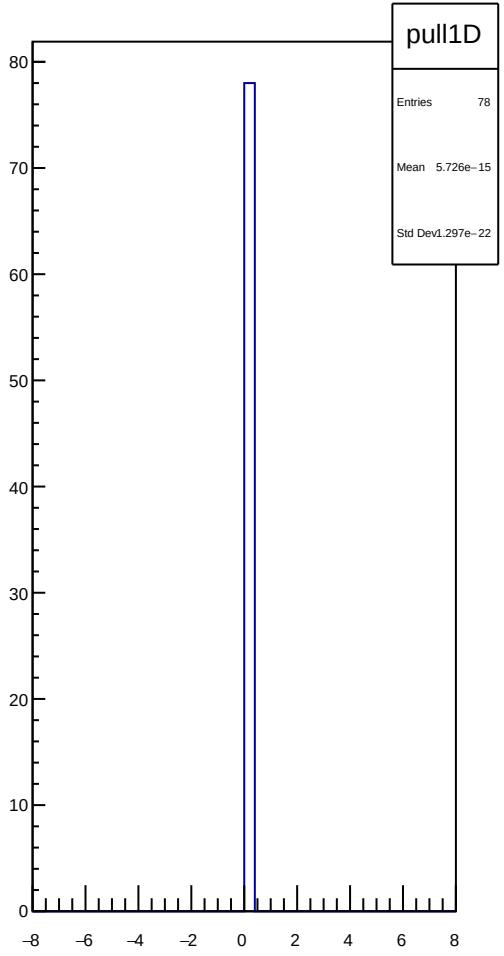
dit_atr1_11X12X_slope vs run

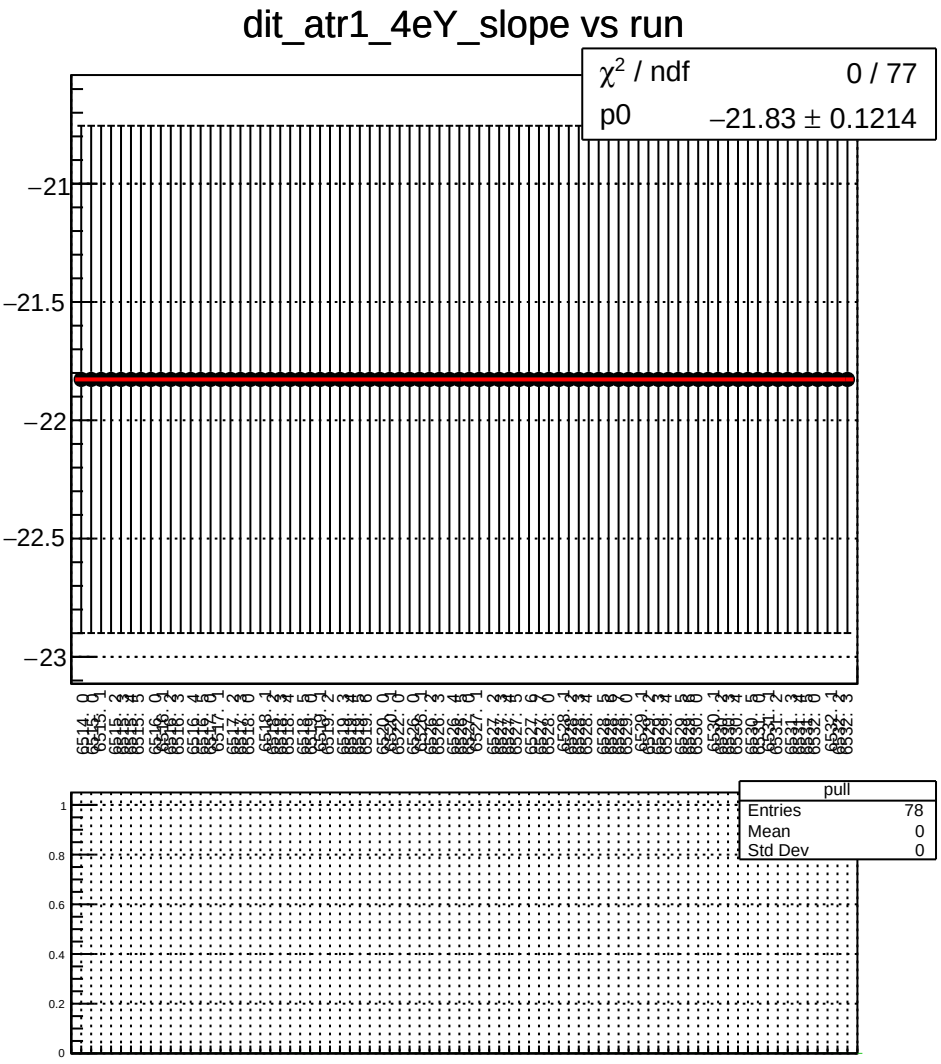


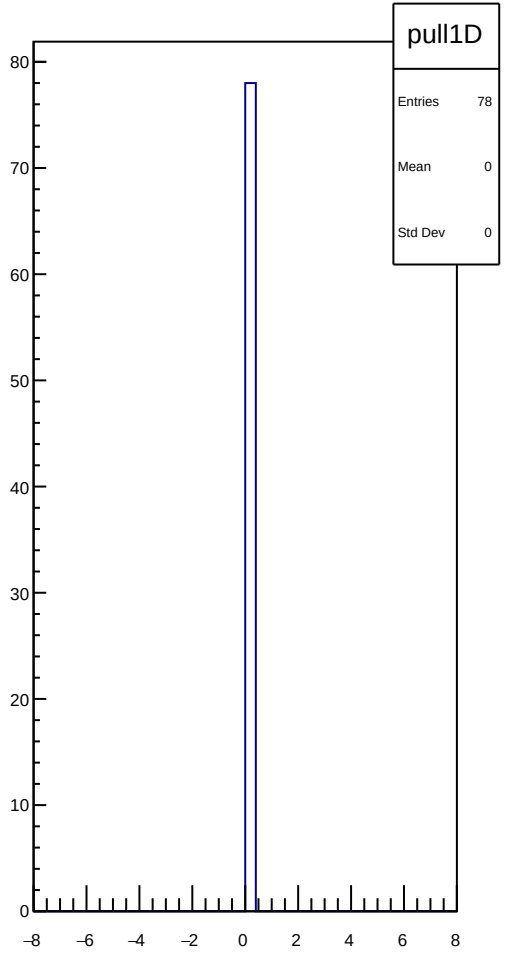


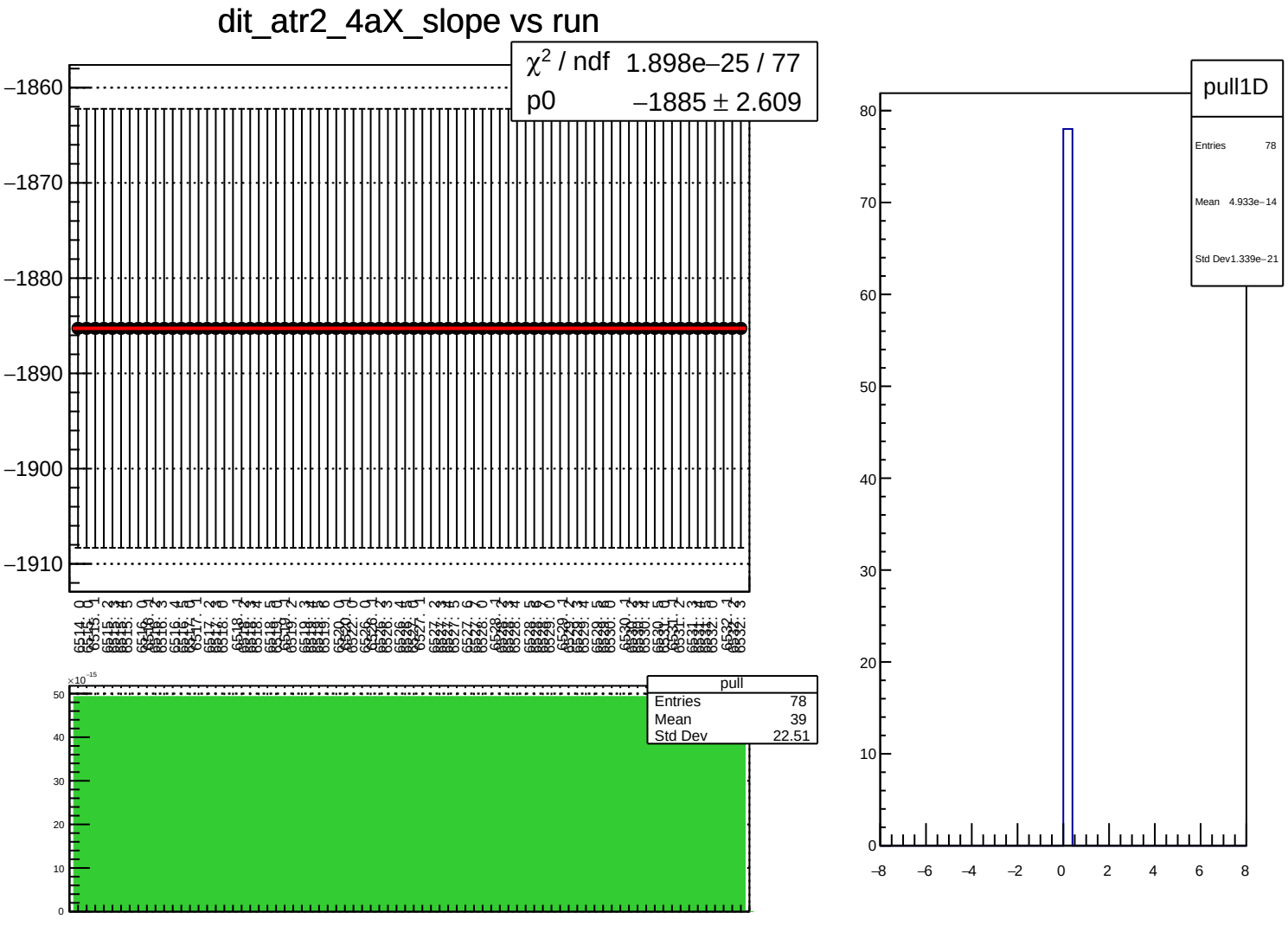
dit_atr1_4aY_slope vs run



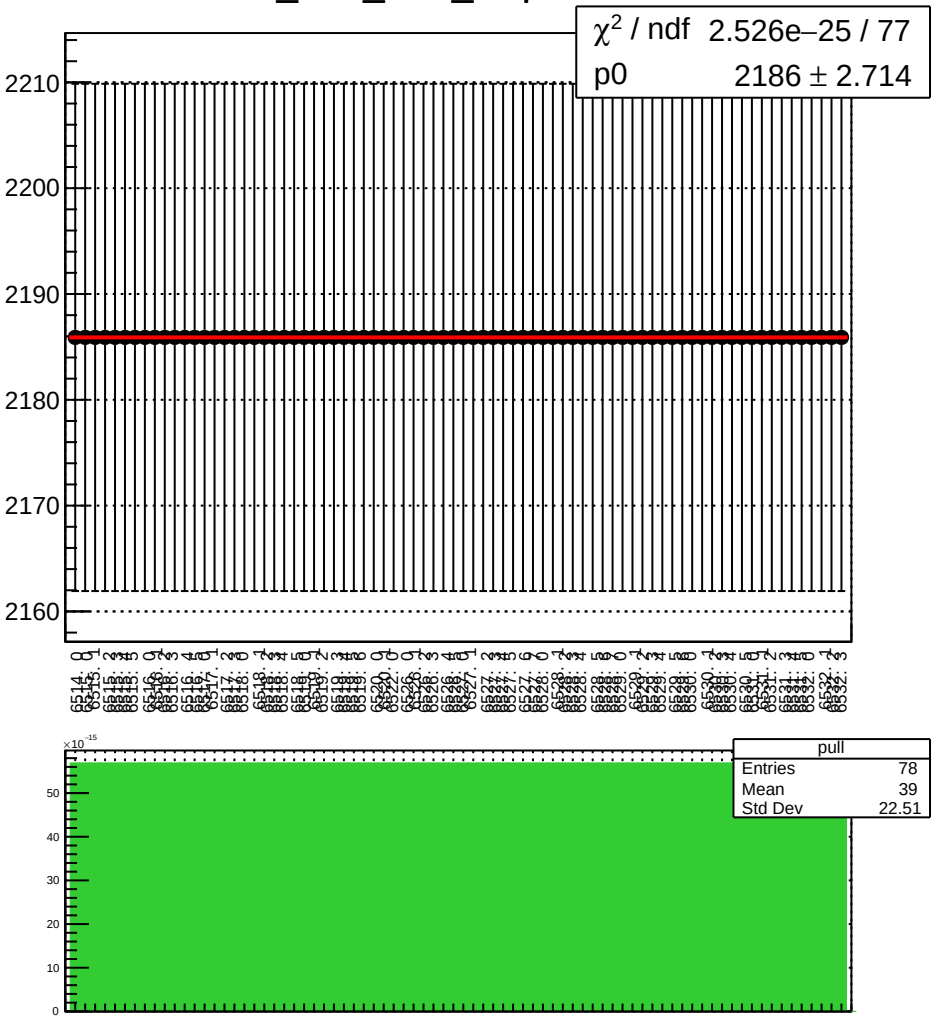


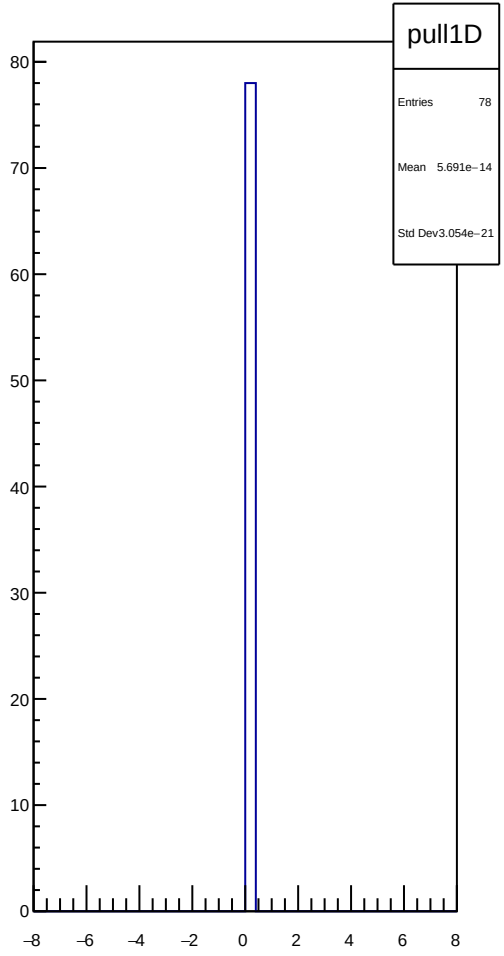

dit_atr1_4eY_slope vs run
χ^2 / ndf 0 / 77
p0 −21.83 ± 0.1214
−21
−21.5
−22
−22.5
−23
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

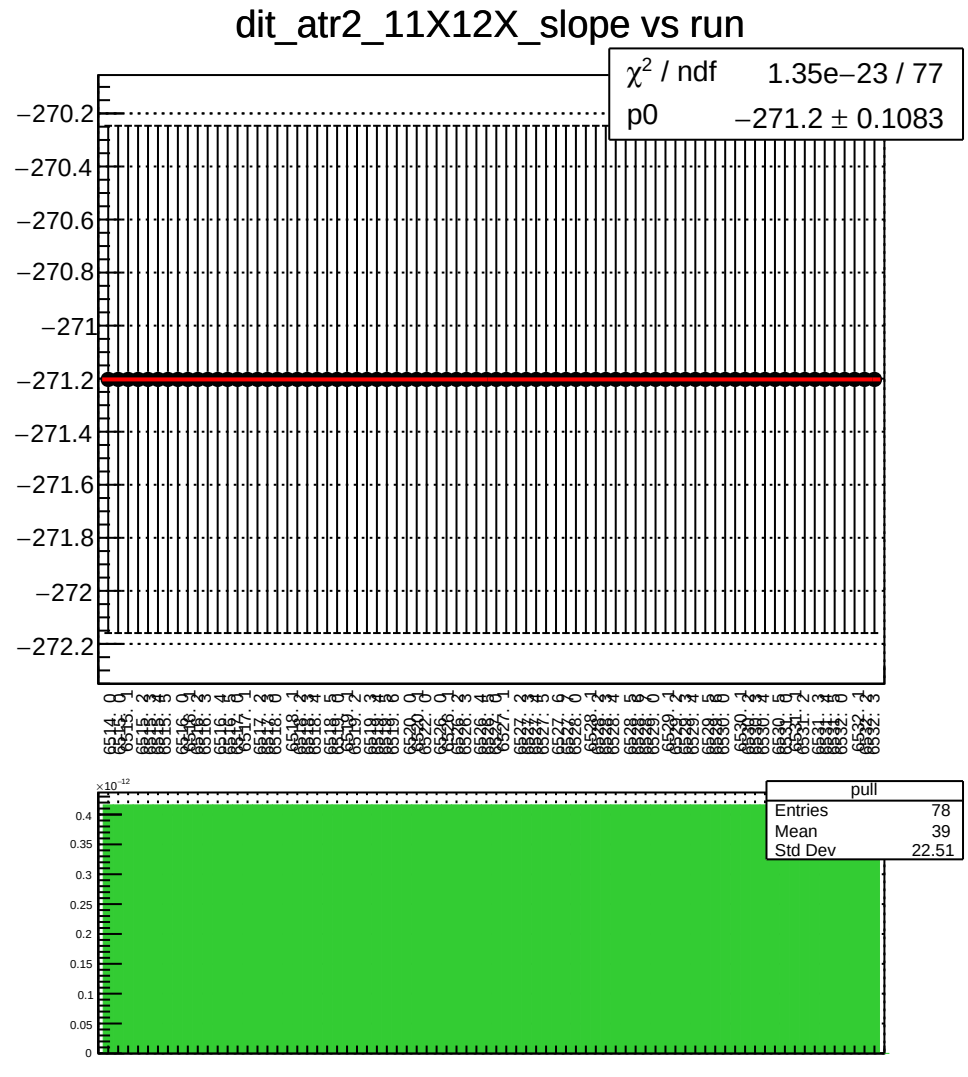

pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

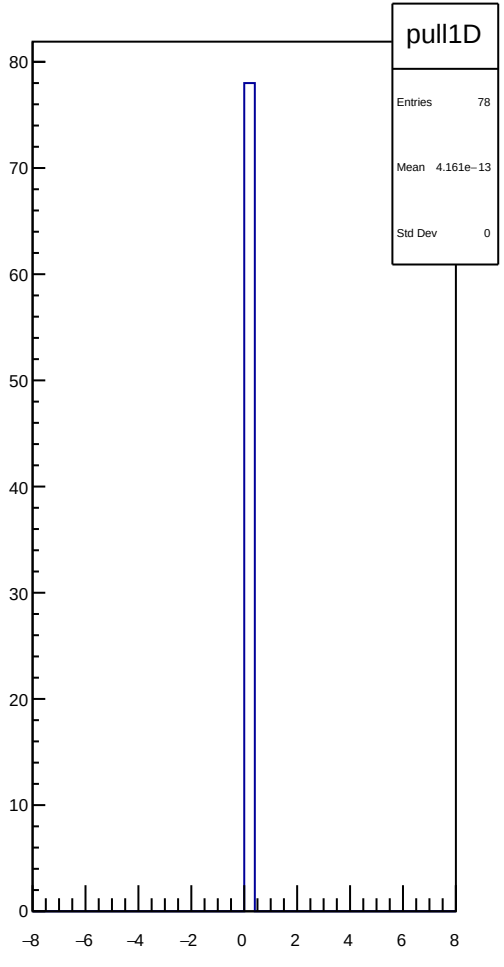

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.898e−25 / 77
p0 −1885 ± 2.609
−1860
−1870
−1880
−1890
−1900
−1910
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
50
40
30
20
10
0
pull1D
Entries 78
Mean 4.933e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run

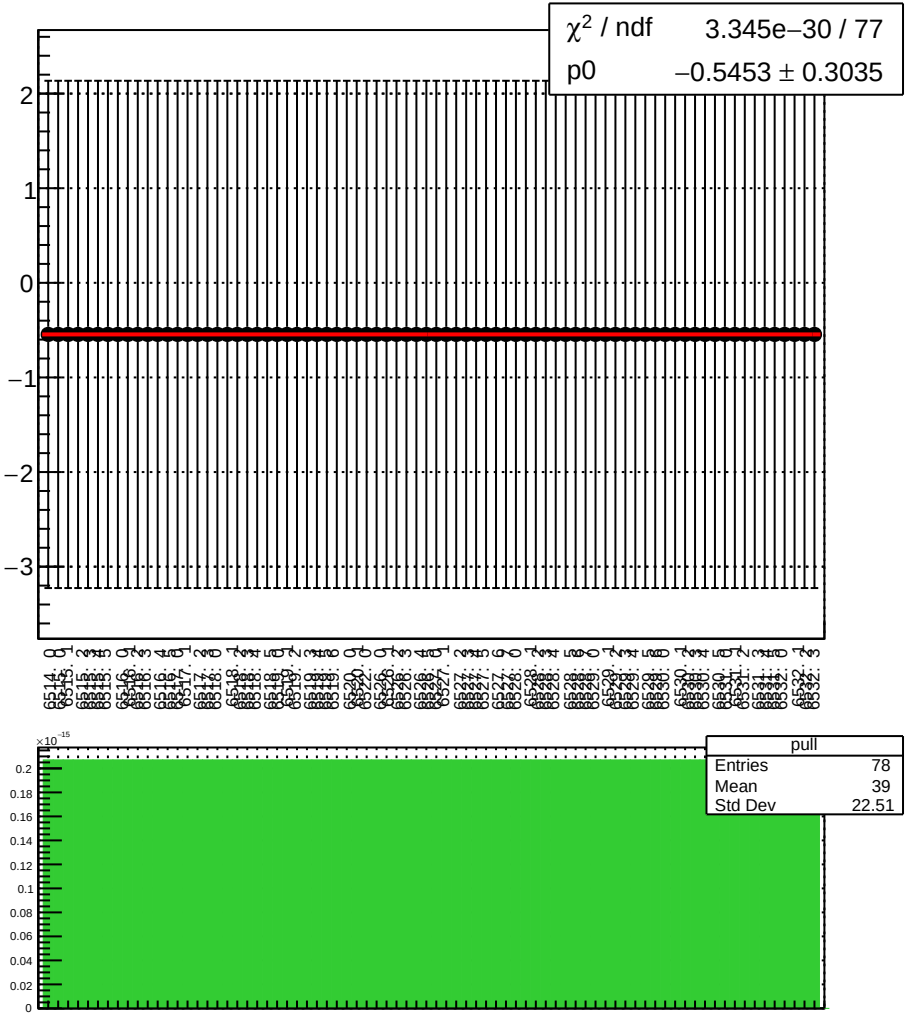


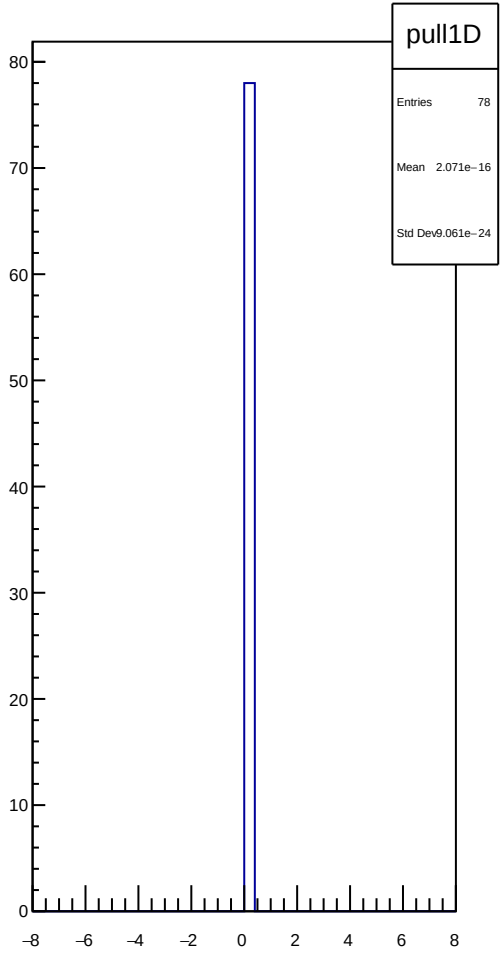


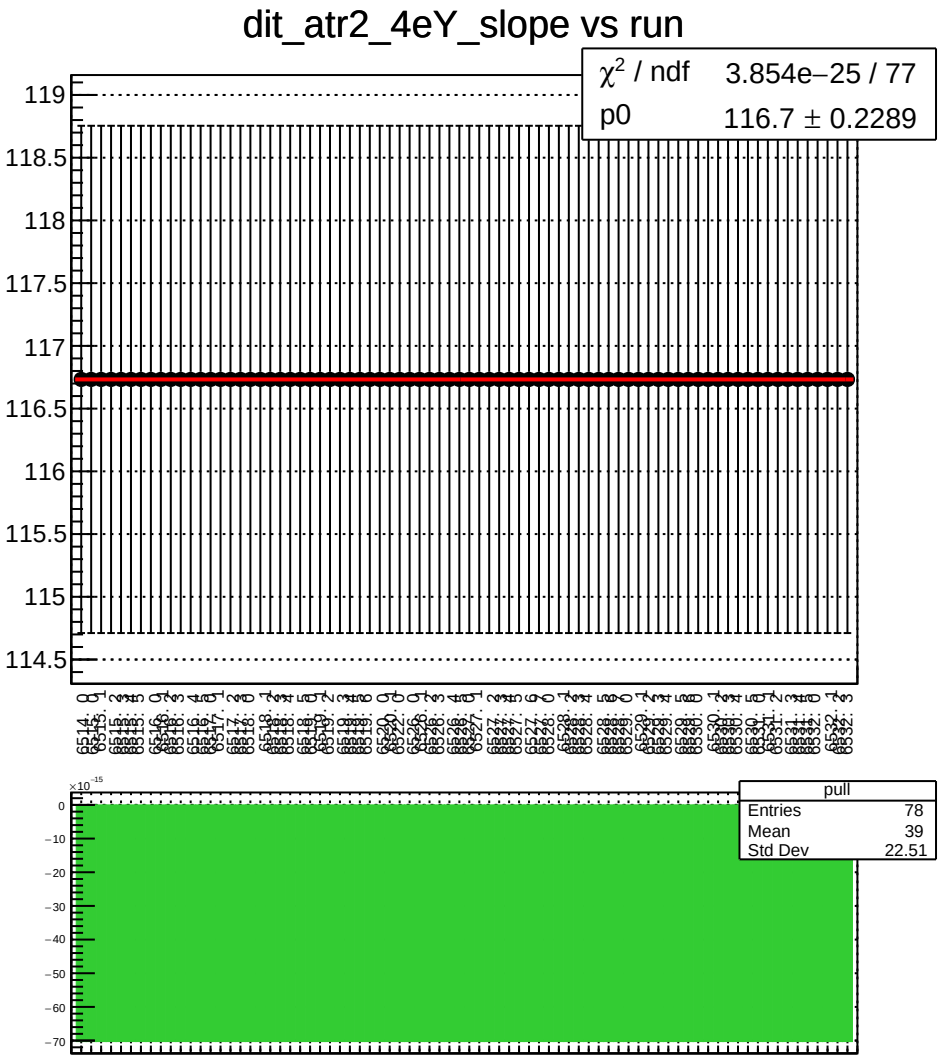

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.35e−23 / 77
p0 −271.2 ± 0.1083
−270.2
−270.4
−270.6
−270.8
−271
−271.2
−271.4
−271.6
−271.8
−272
−272.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

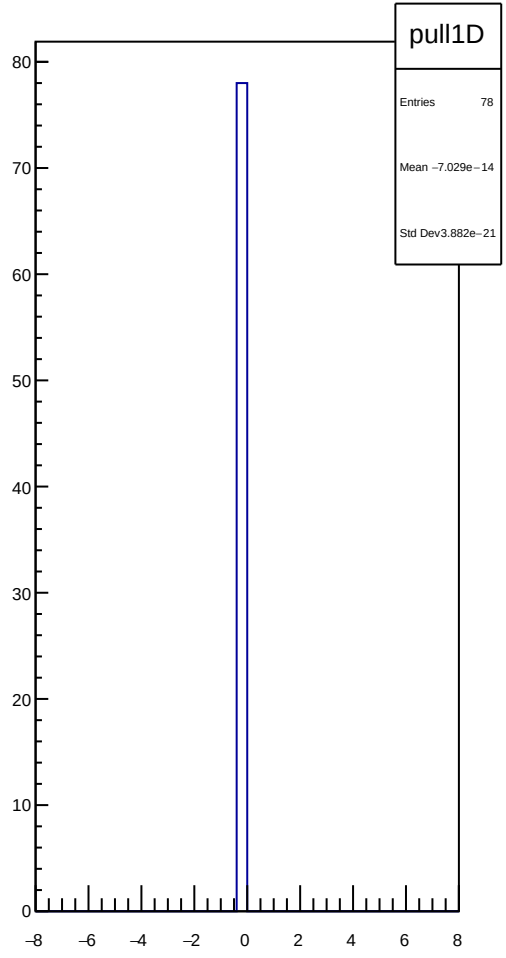

pull1D
Entries 78
Mean 4.161e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run

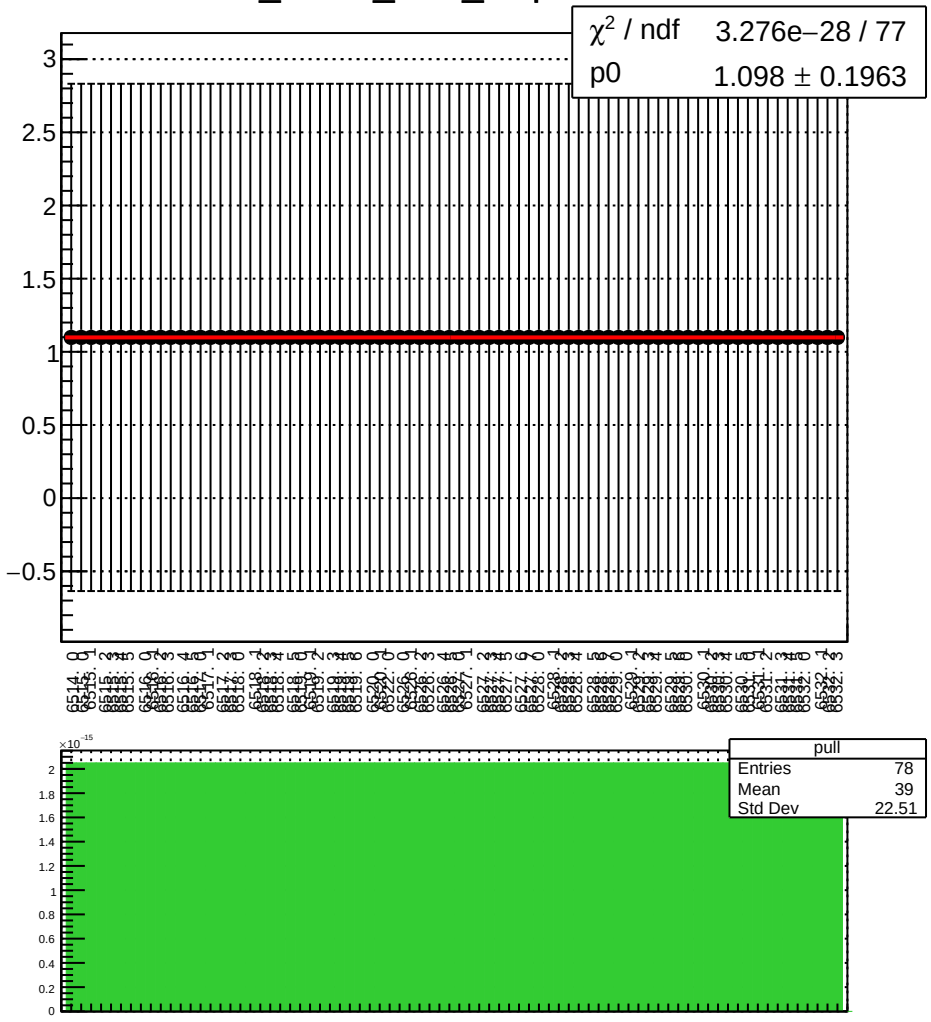


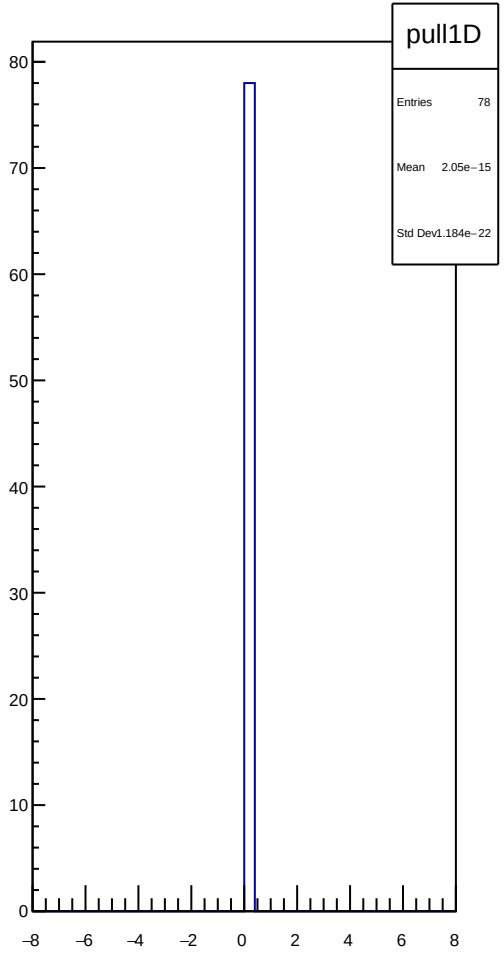



dit_atr2_4eY_slope vs run
χ^2 / ndf 3.854e−25 / 77
p0 116.7 ± 0.2289
119
118.5
118
117.5
117
116.5
116
115.5
115
114.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

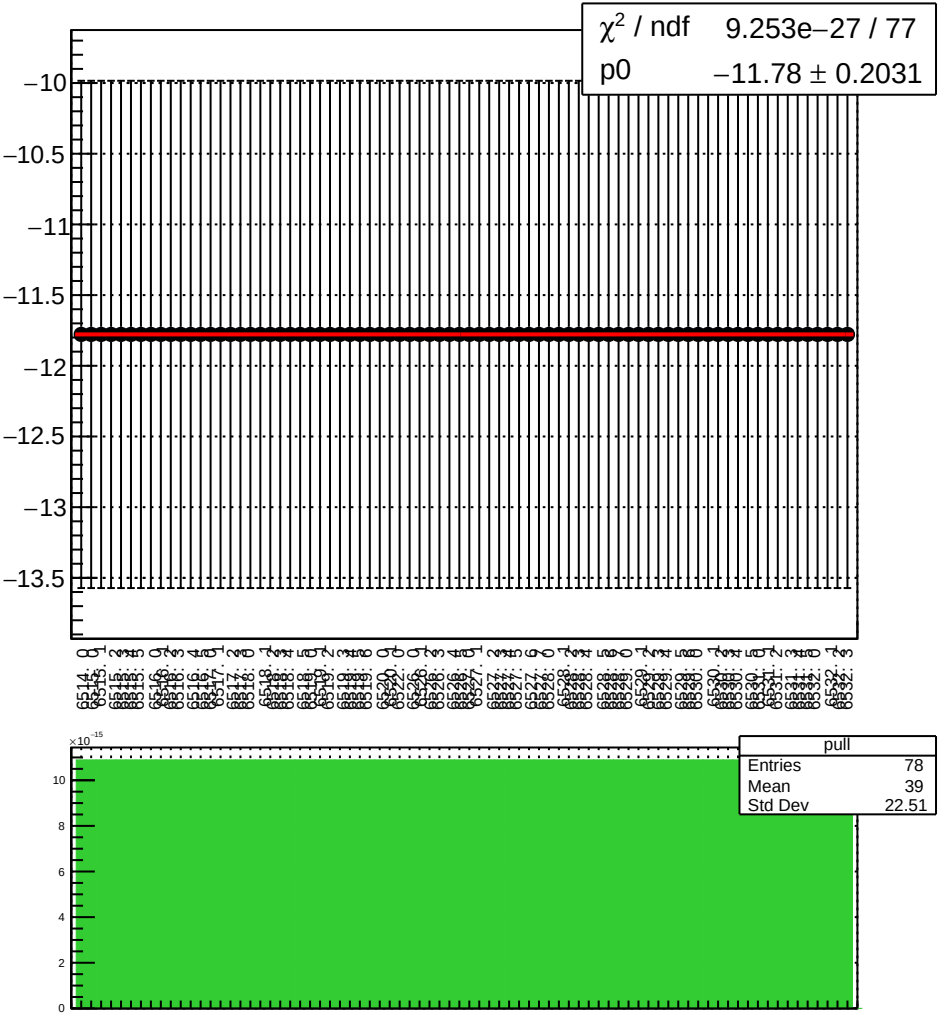

pull1D
Entries 78
Mean −7.029e−14
Std Dev3.882e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

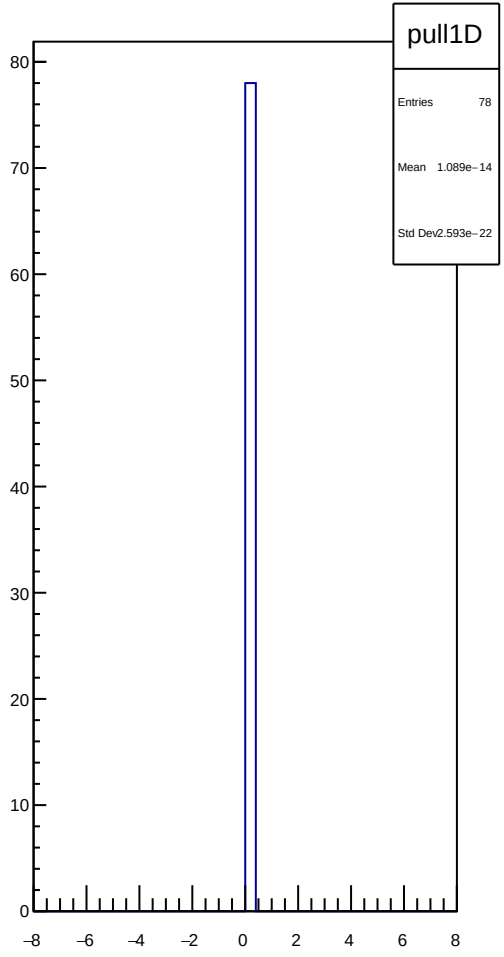
dit_sam1_4aX_slope vs run



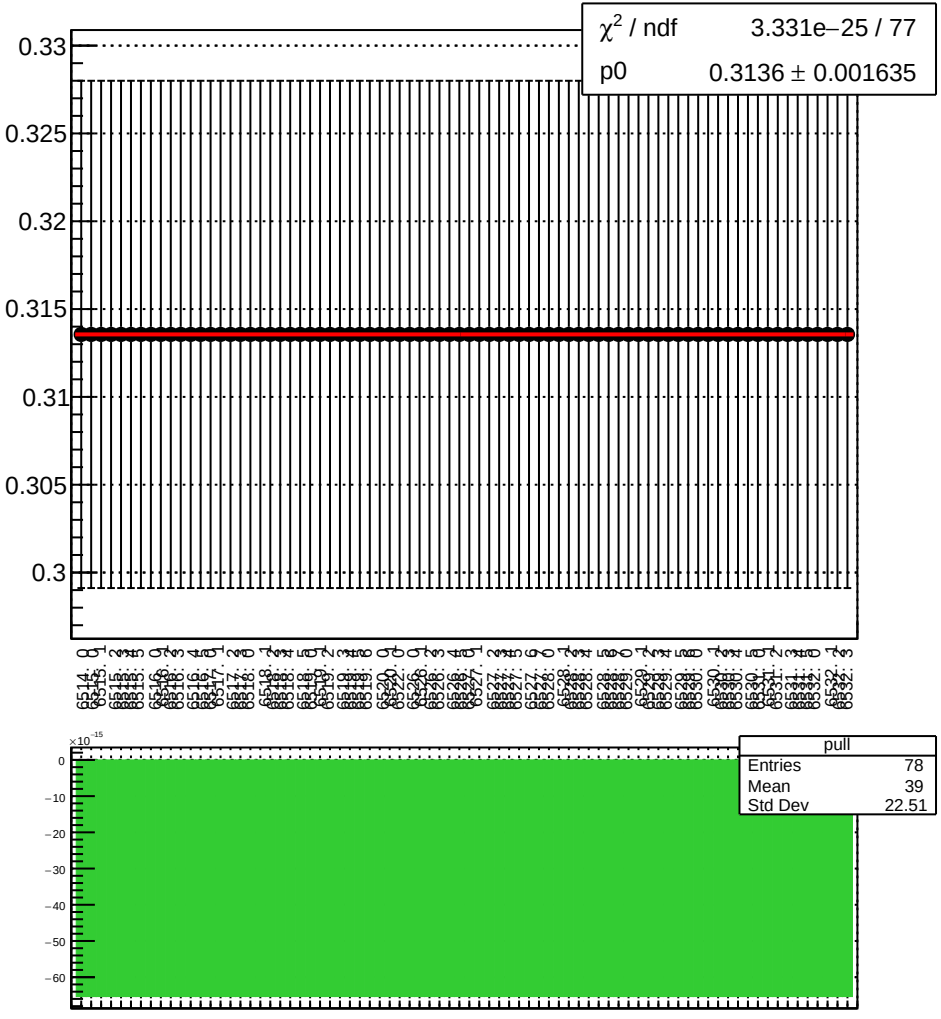


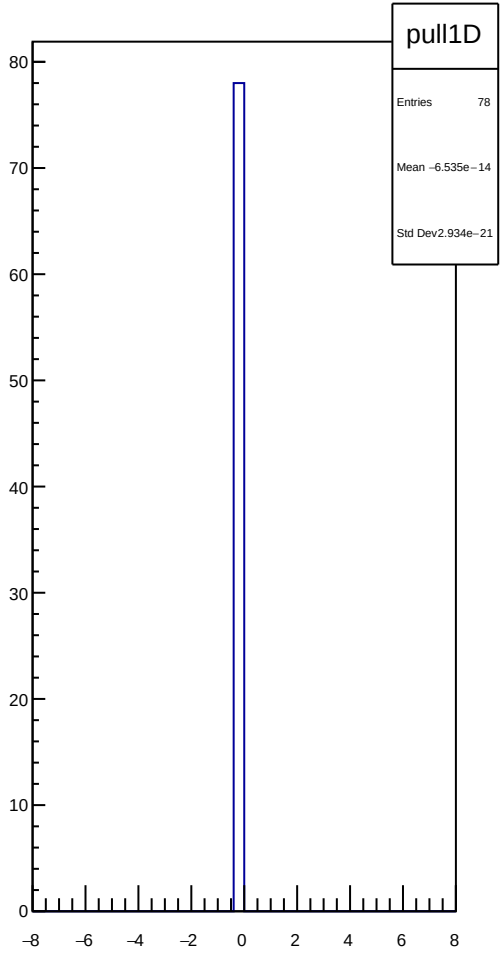
dit_sam1_4eX_slope vs run

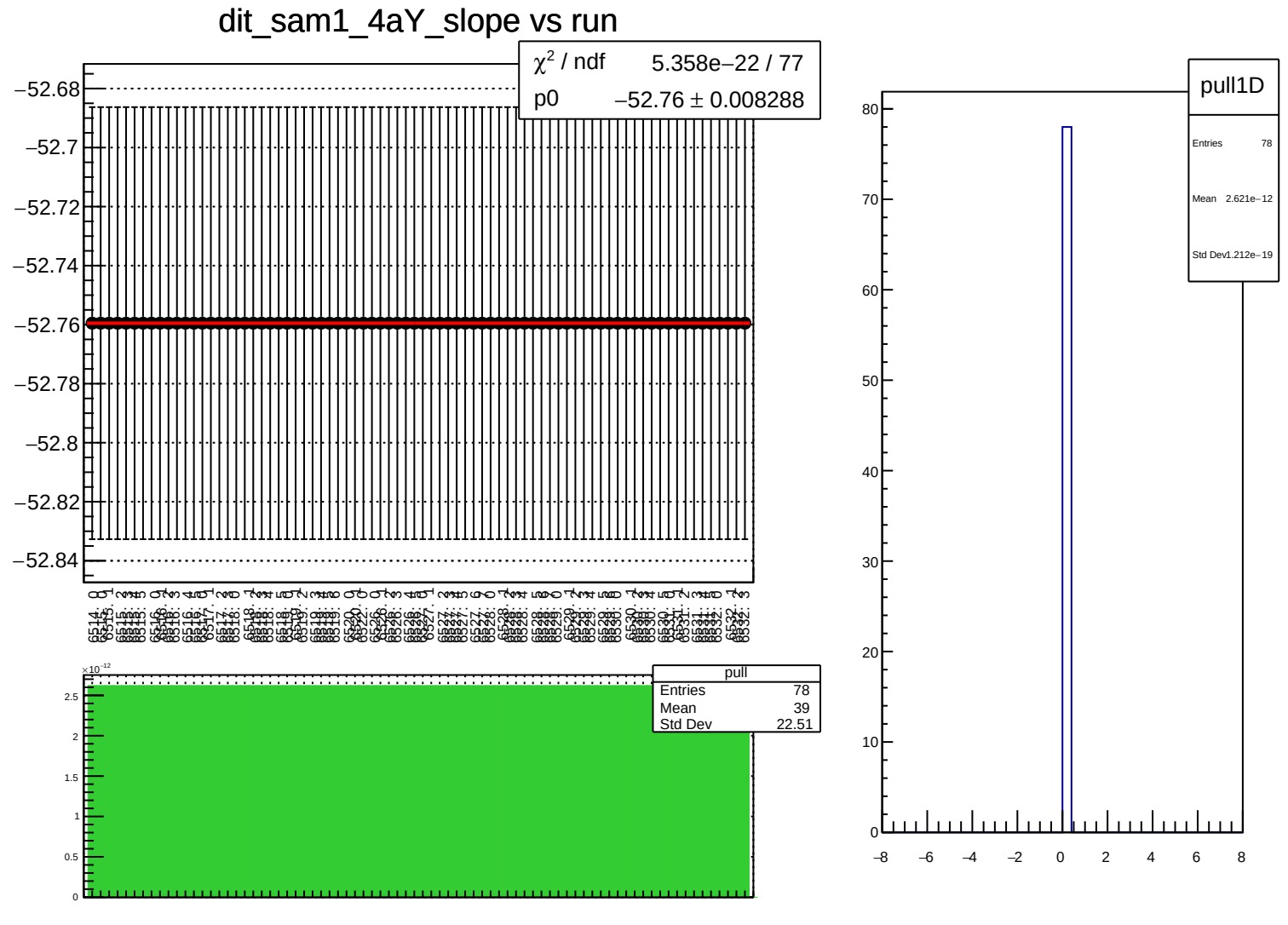


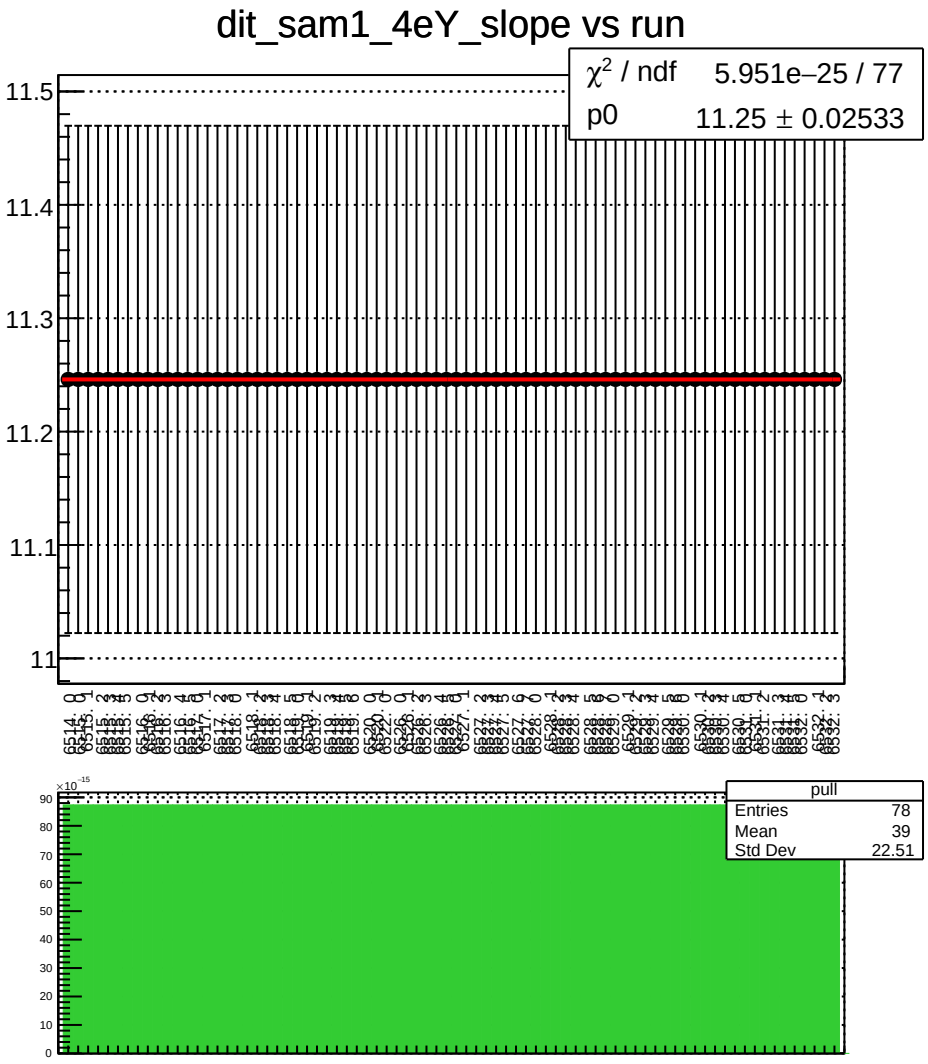


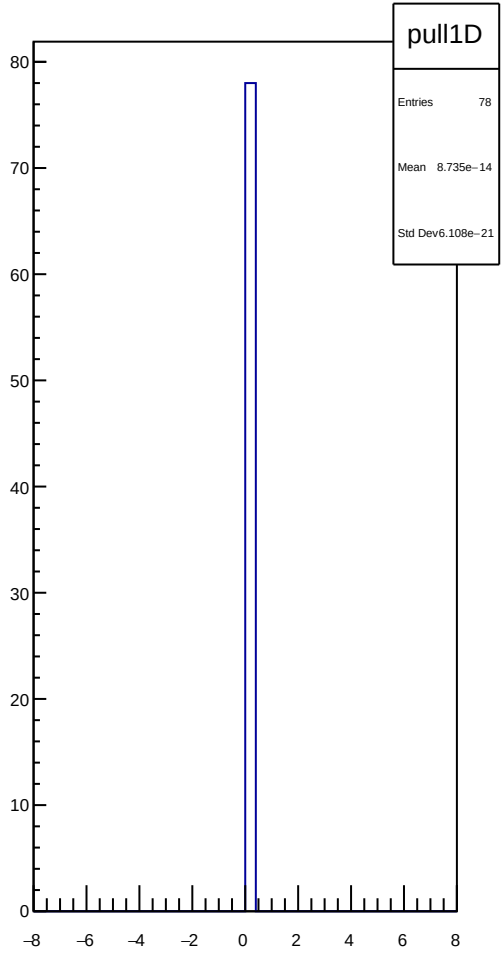
dit_sam1_11X12X_slope vs run

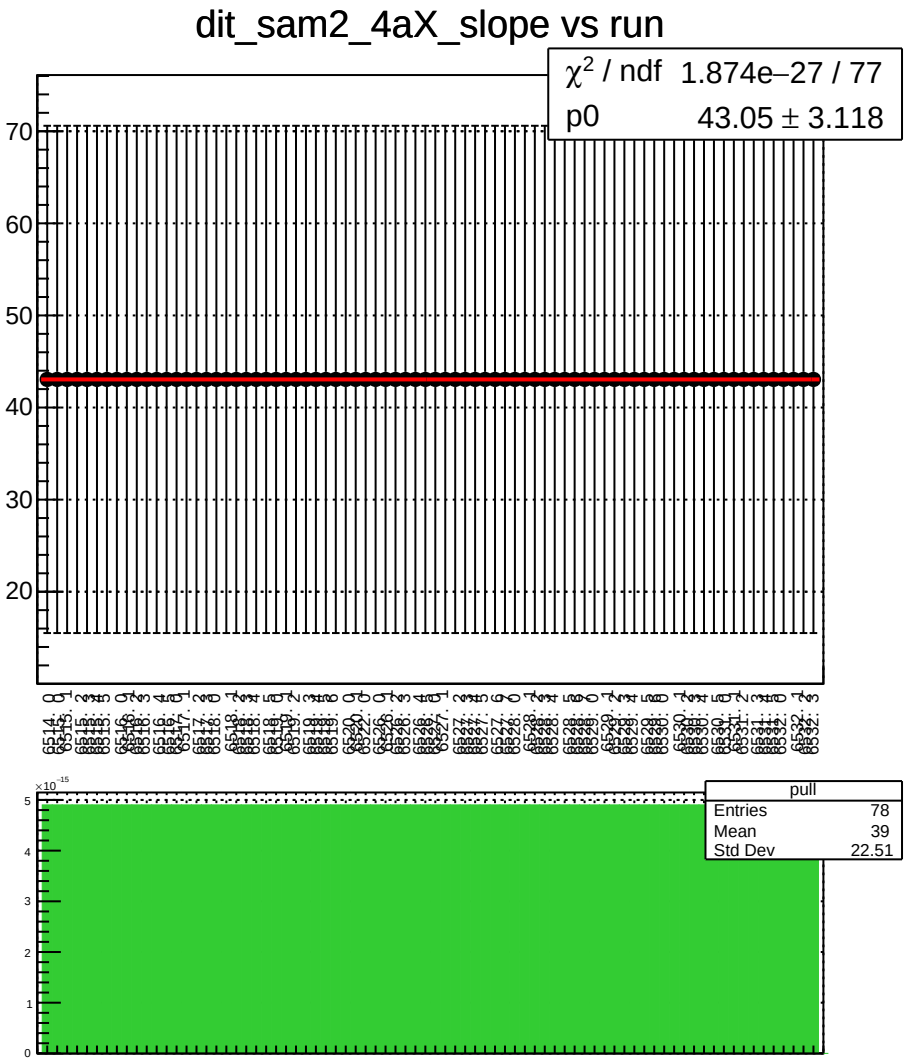


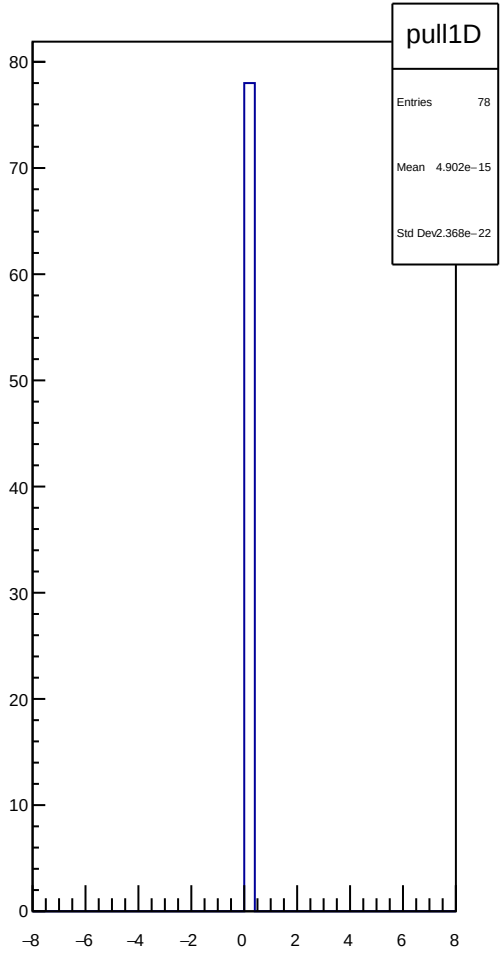



dit_sam1_4aY_slope vs run
χ² / ndf 5.358e−22 / 77
p0 −52.76 ± 0.008288
−52.68
−52.7
−52.72
−52.74
−52.76
−52.78
−52.8
−52.82
−52.84
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
2.5
2
1.5
1
0.5
0
pull1D
Entries 78
Mean 2.621e−12
Std Dev 1.212e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

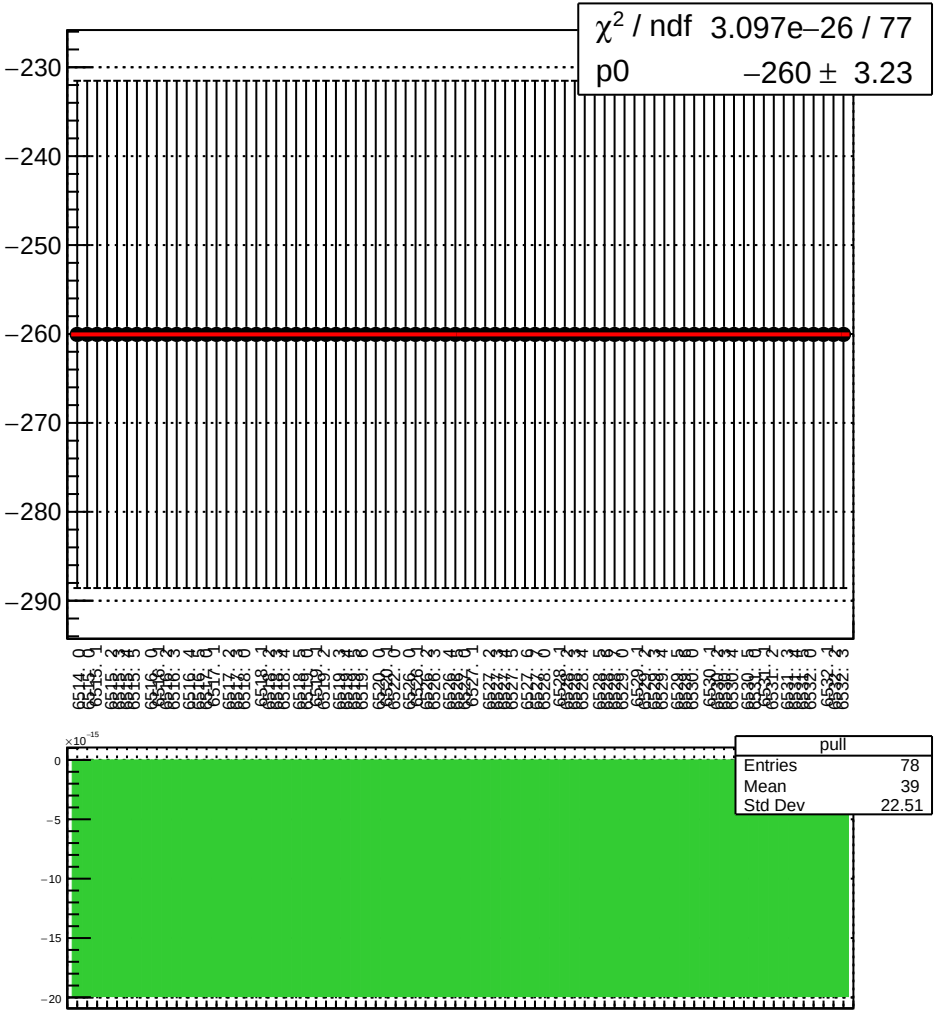

dit_sam1_4eY_slope vs run
χ^2 / ndf 5.951e−25 / 77
p0 11.25 ± 0.02533
11.5
11.4
11.3
11.2
11.1
11
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
90
80
70
60
50
40
30
20
10
0

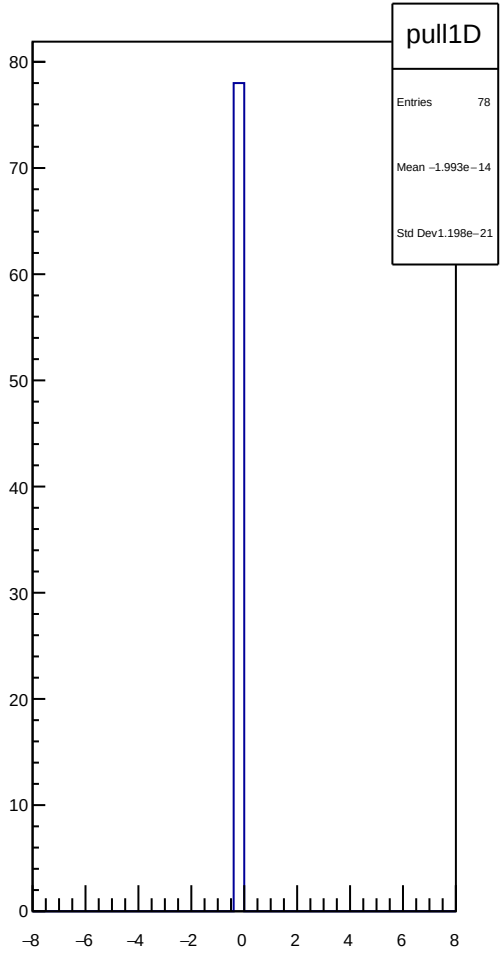

pull1D
Entries 78
Mean 8.735e−14
Std Dev6.108e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4aX_slope vs run
χ^2 / ndf 1.874e−27 / 77
p0 43.05 ± 3.118
pull
Entries 78
Mean 39
Std Dev 22.51

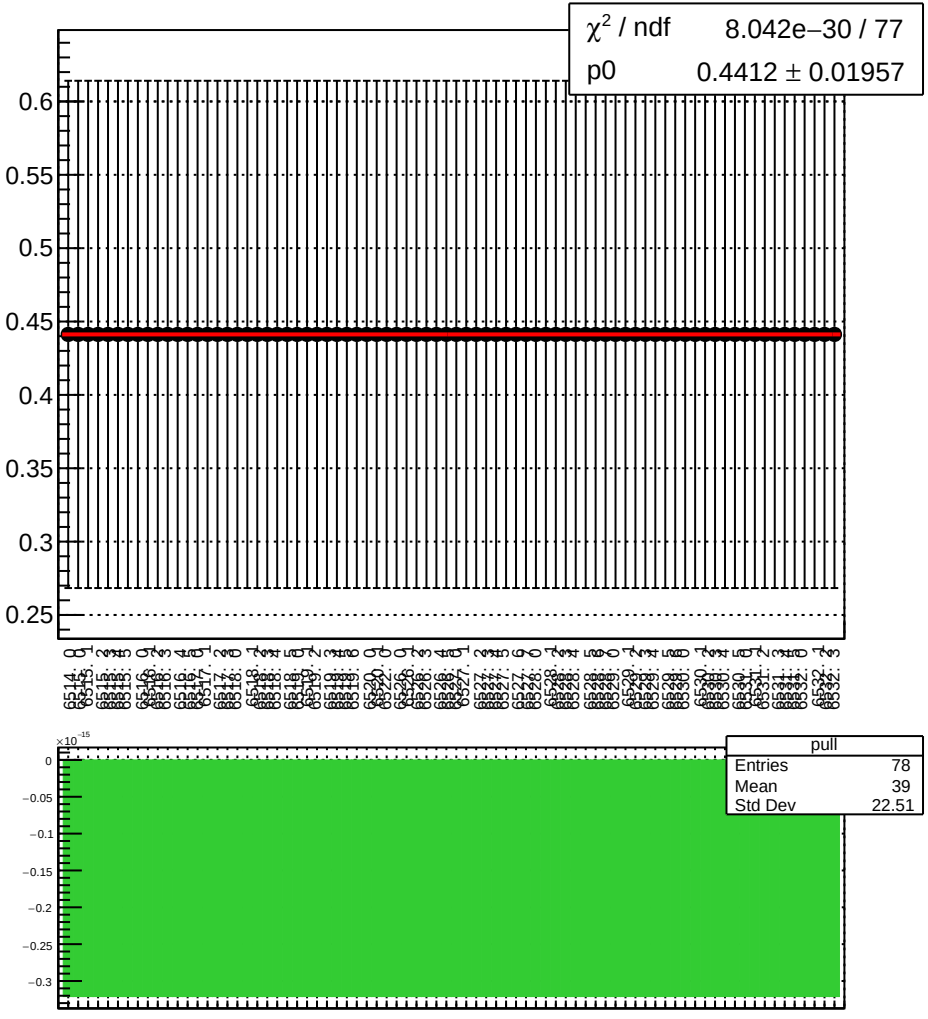

pull1D
Entries 78
Mean 4.902e−15
Std Dev 2.368e−22

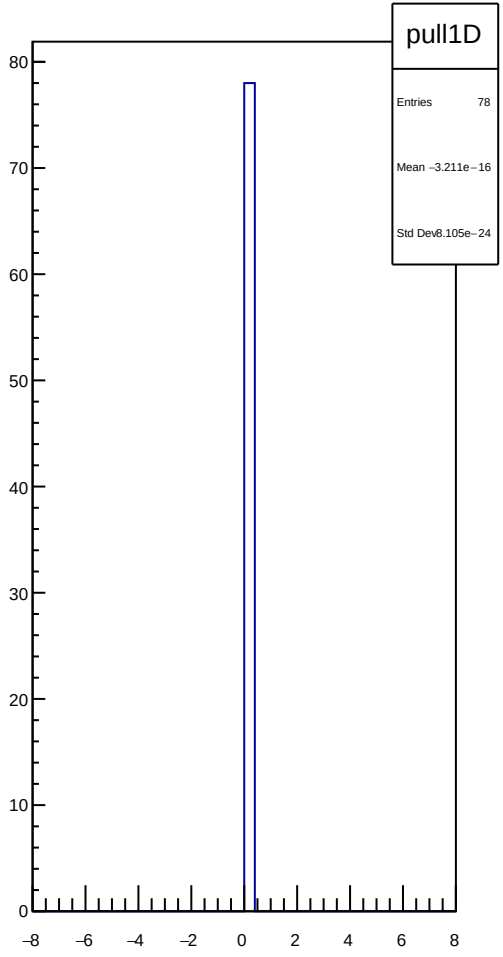
dit_sam2_4eX_slope vs run

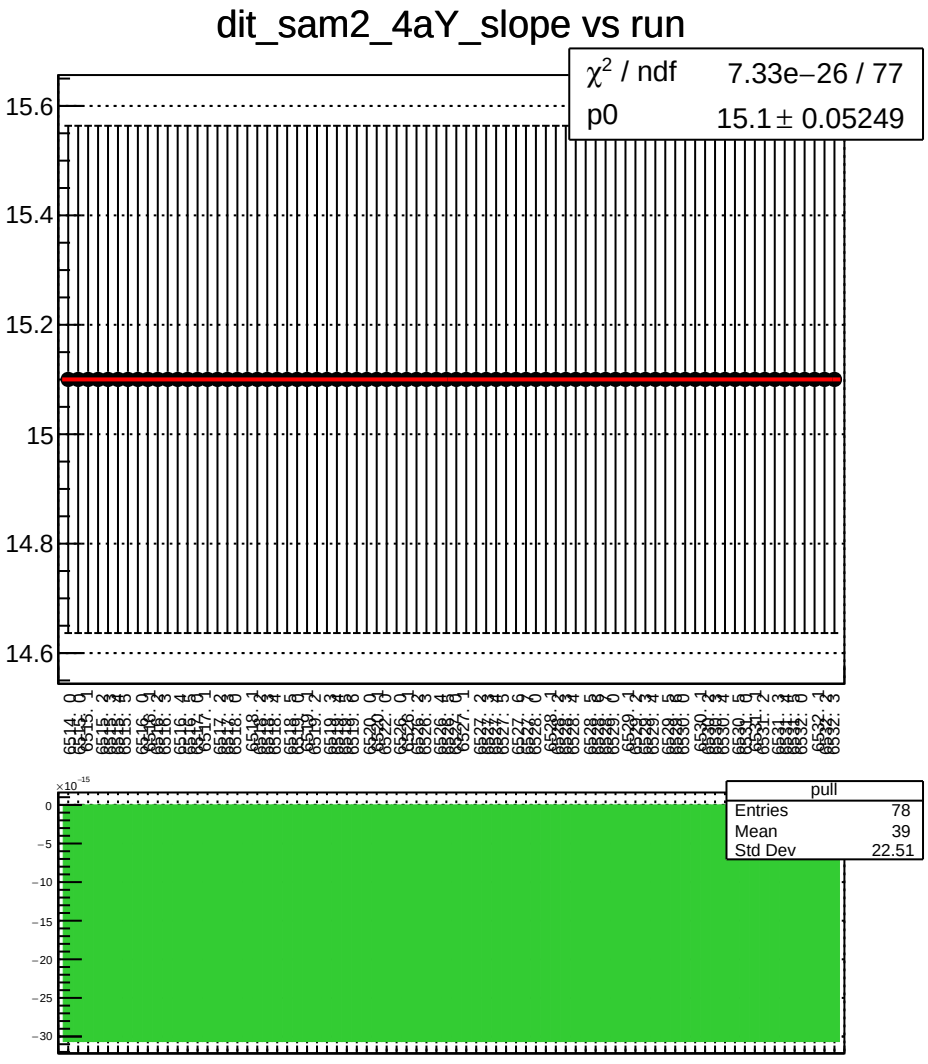


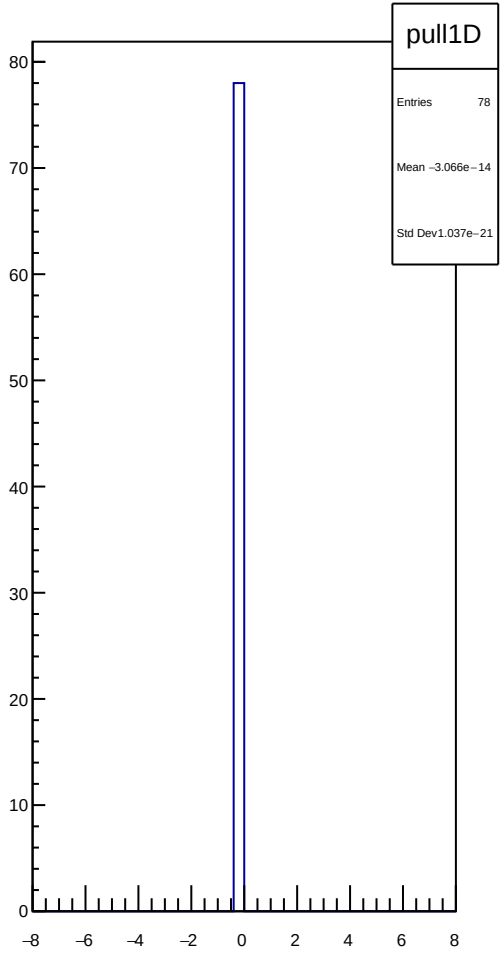


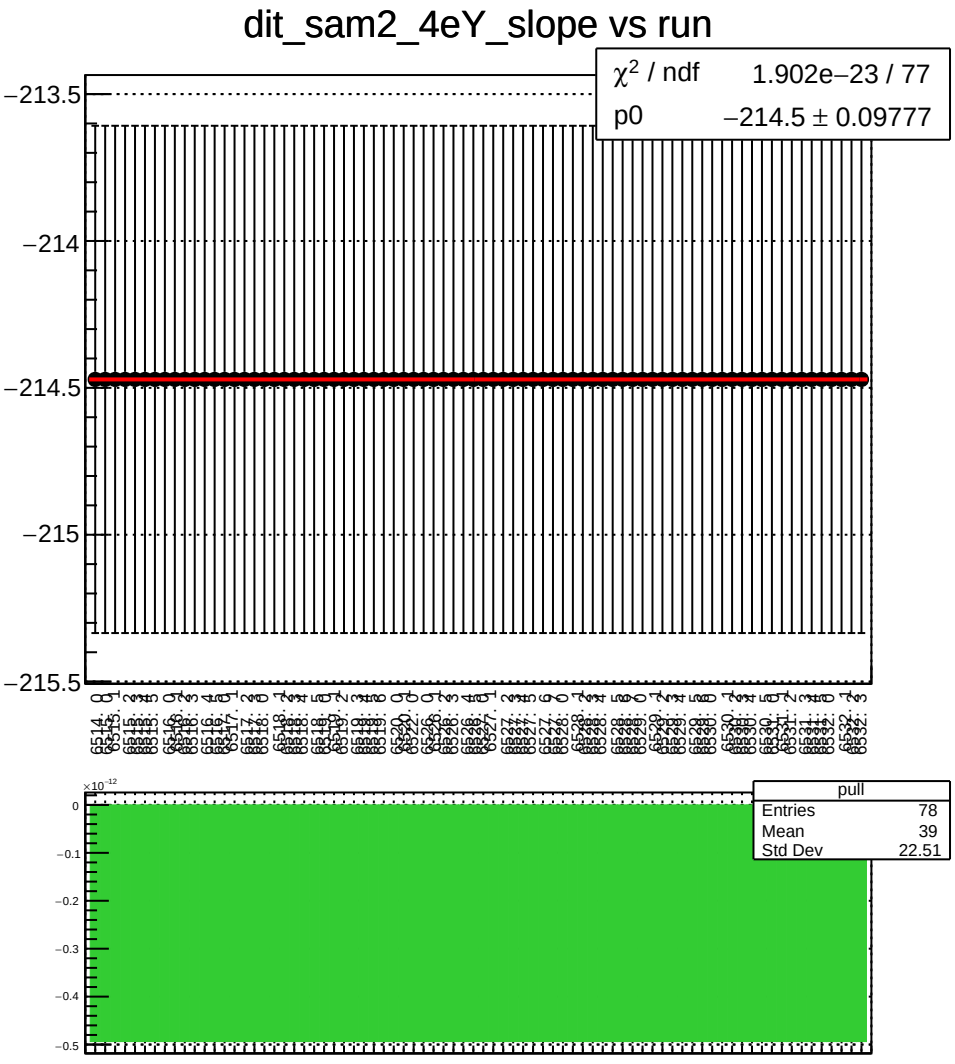
dit_sam2_11X12X_slope vs run

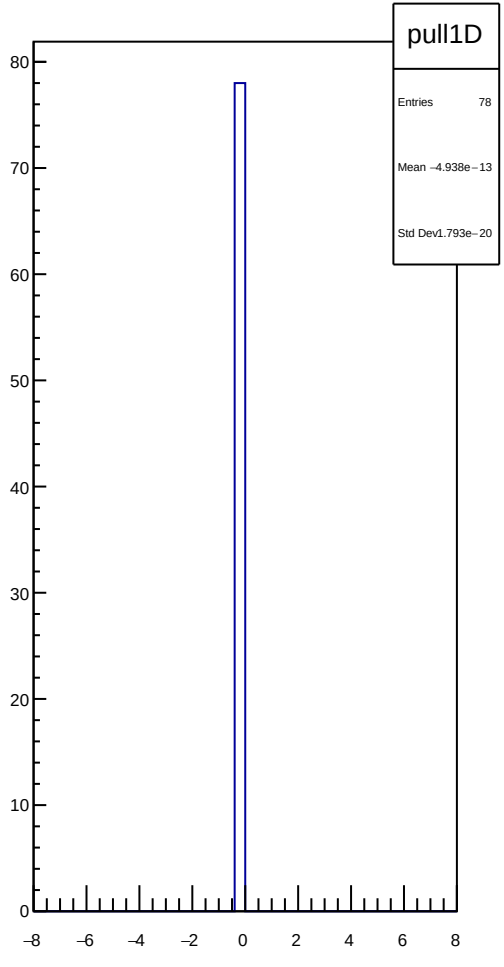


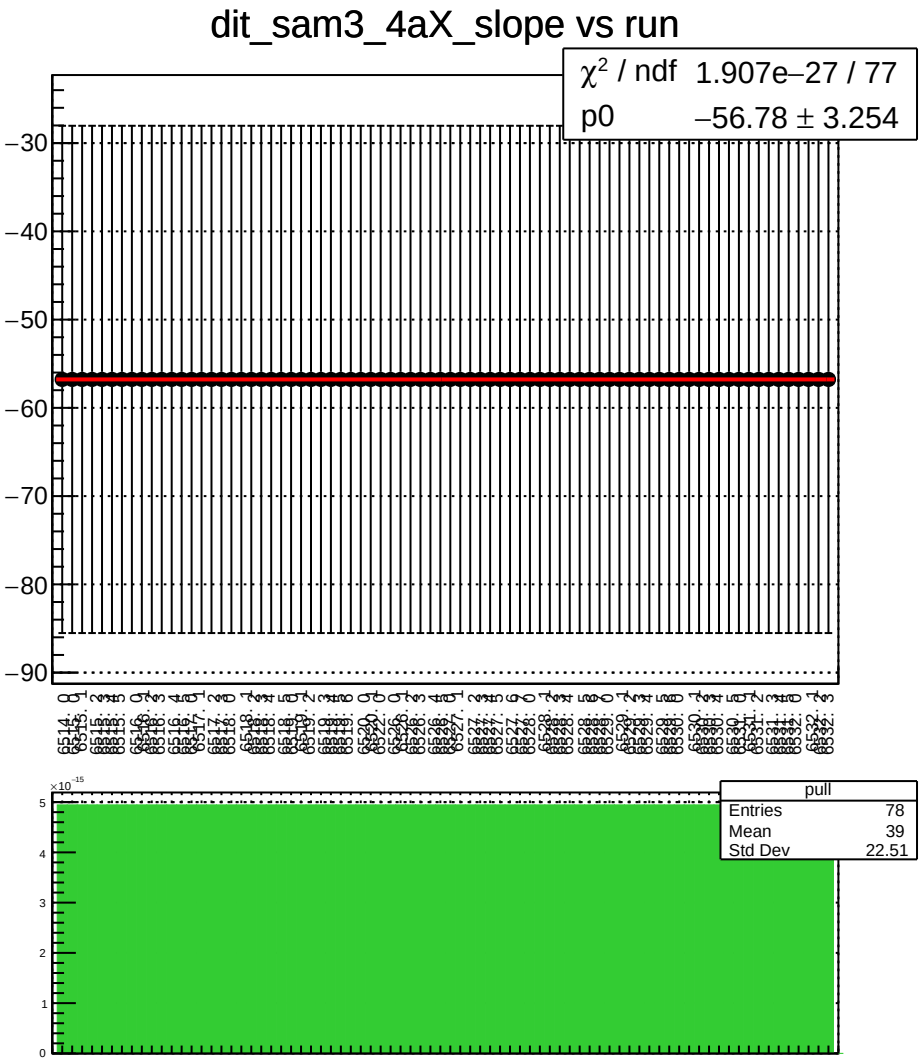


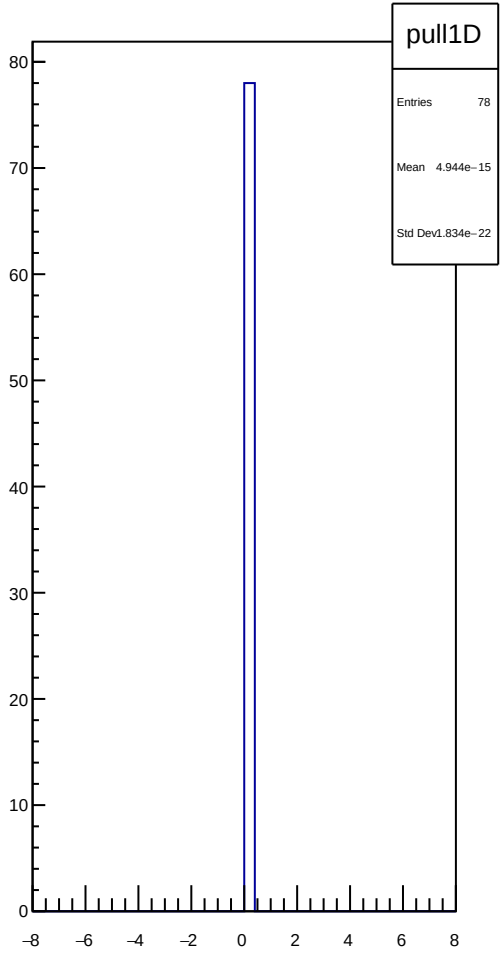

dit_sam2_4aY_slope vs run
χ^2 / ndf 7.33e−26 / 77
p0 15.1 ± 0.05249
15.6
15.4
15.2
15
14.8
14.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30

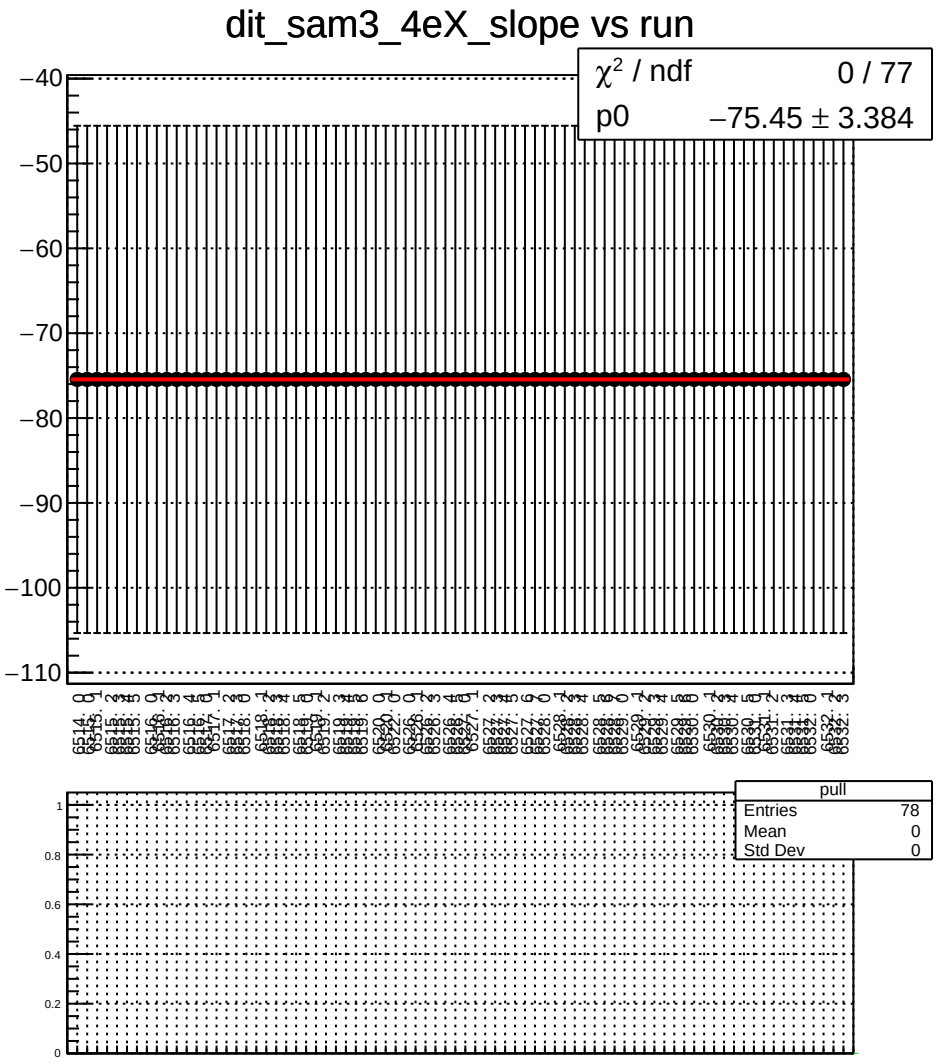

pull1D
Entries 78
Mean −3.066e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

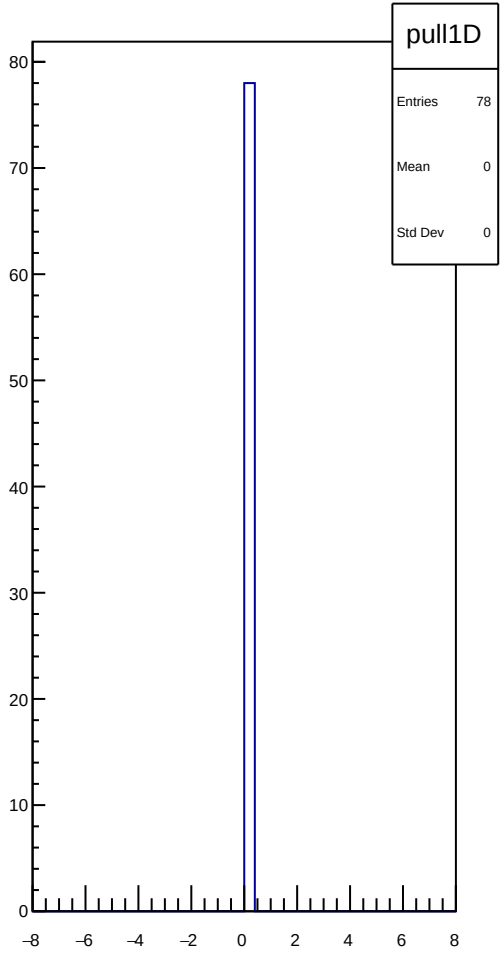

dit_sam2_4eY_slope vs run
χ^2 / ndf 1.902e−23 / 77
p0 −214.5 ± 0.09777
−213.5
−214
−214.5
−215
−215.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5

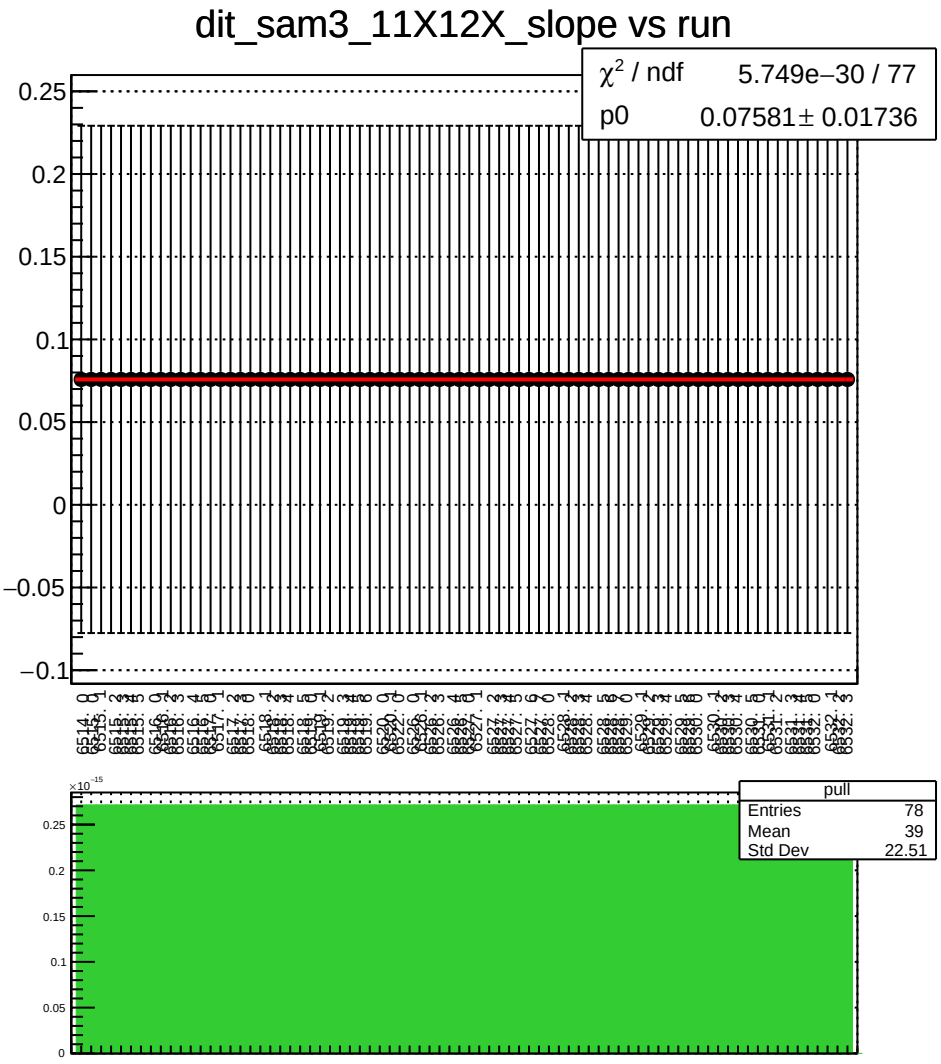

pull1D
Entries 78
Mean −4.938e−13
Std Dev 1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

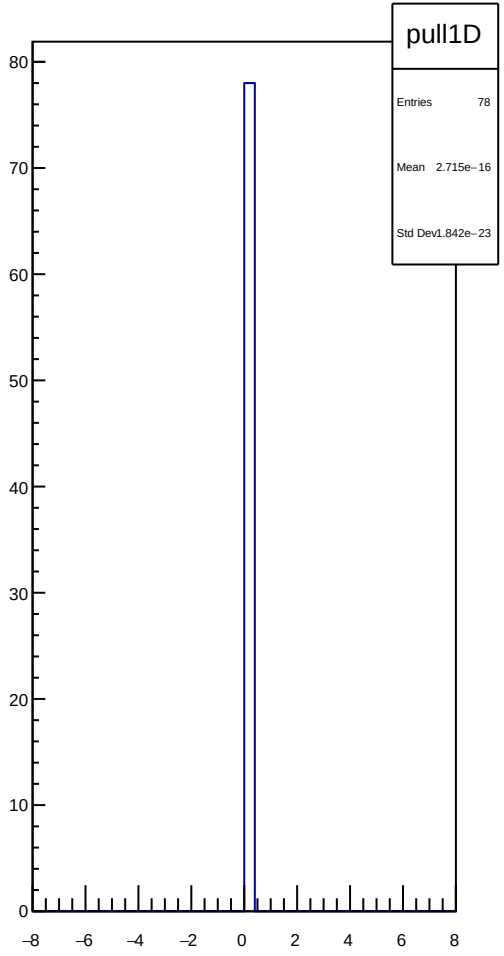

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.907e−27 / 77
p0 −56.78 ± 3.254
pull
Entries 78
Mean 39
Std Dev 22.51

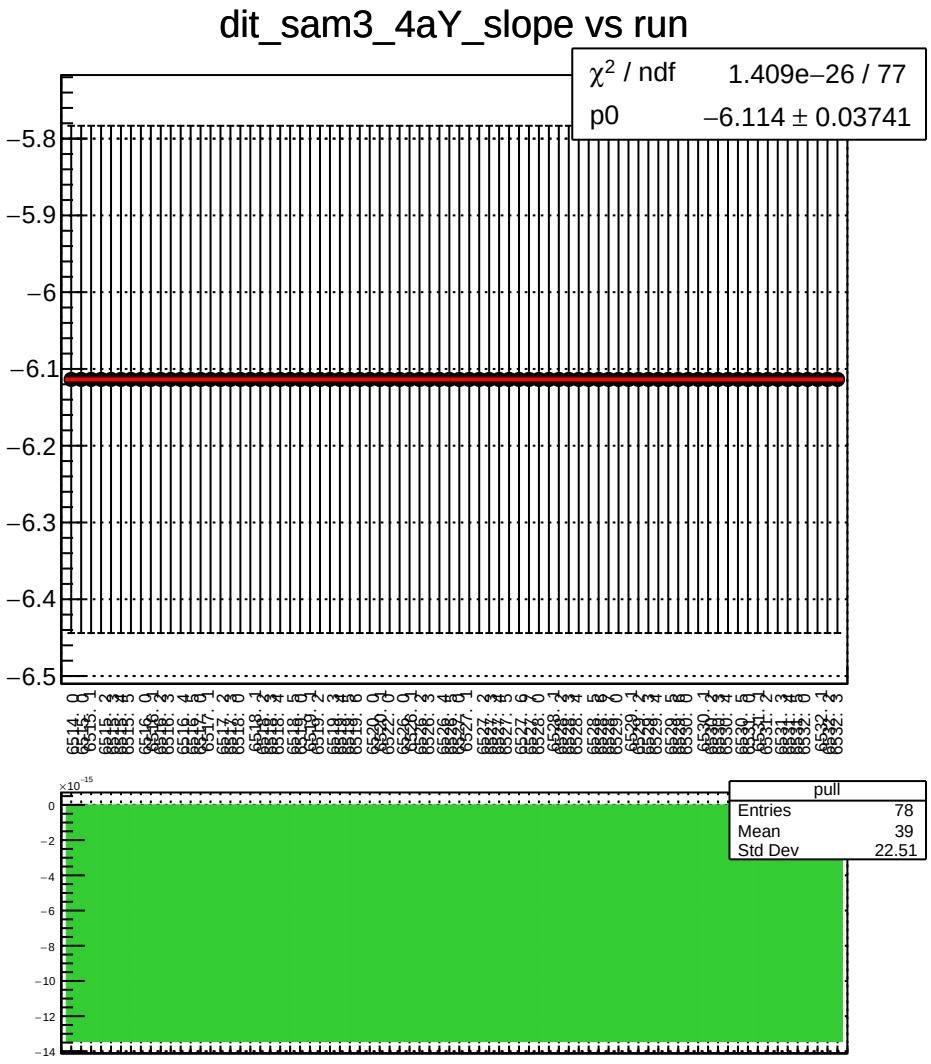

pull1D
Entries 78
Mean 4.944e−15
Std Dev 1.834e−22

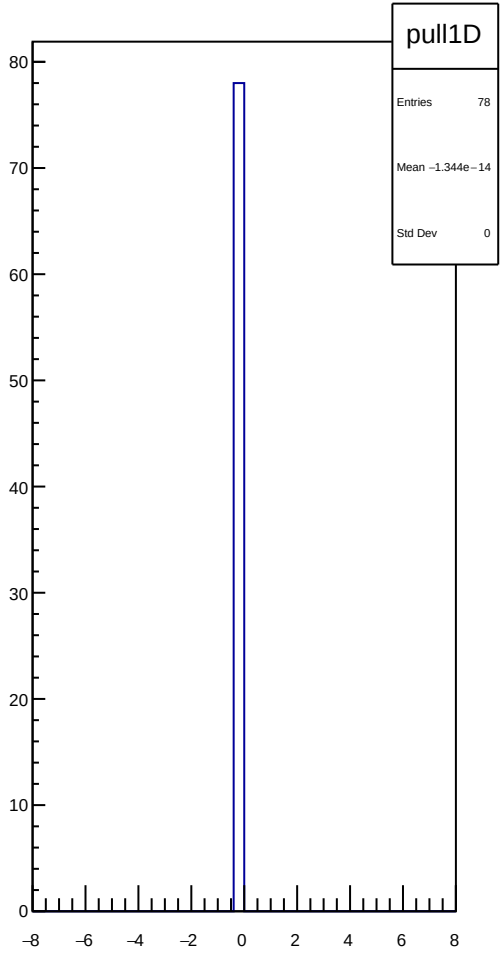

dit_sam3_4eX_slope vs run
χ^2 / ndf 0 / 77
p0 −75.45 ± 3.384
−40
−50
−60
−70
−80
−90
−100
−110
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

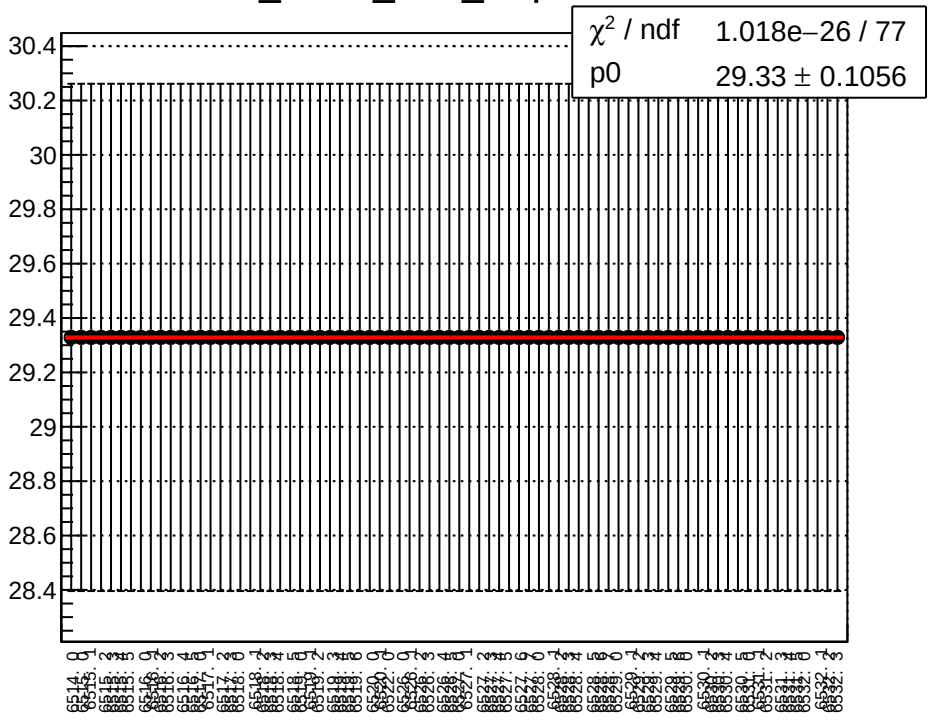

dit_sam3_11X12X_slope vs run
χ^2 / ndf 5.749e−30 / 77
p0 0.07581 ± 0.01736
pull
Entries 78
Mean 39
Std Dev 22.51

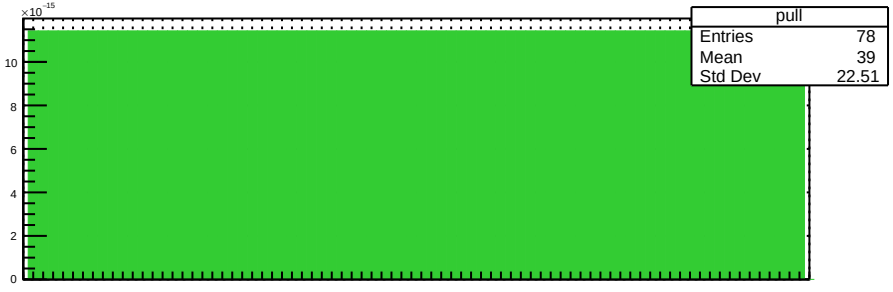

pull1D
Entries 78
Mean 2.715e−16
Std Dev 1.842e−23

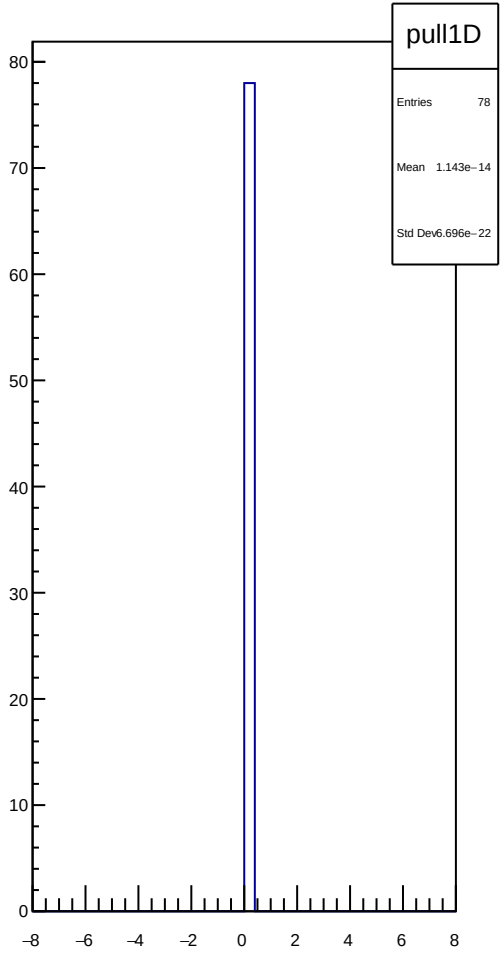

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.409e−26 / 77
p0 −6.114 ± 0.03741
pull
Entries 78
Mean 39
Std Dev 22.51

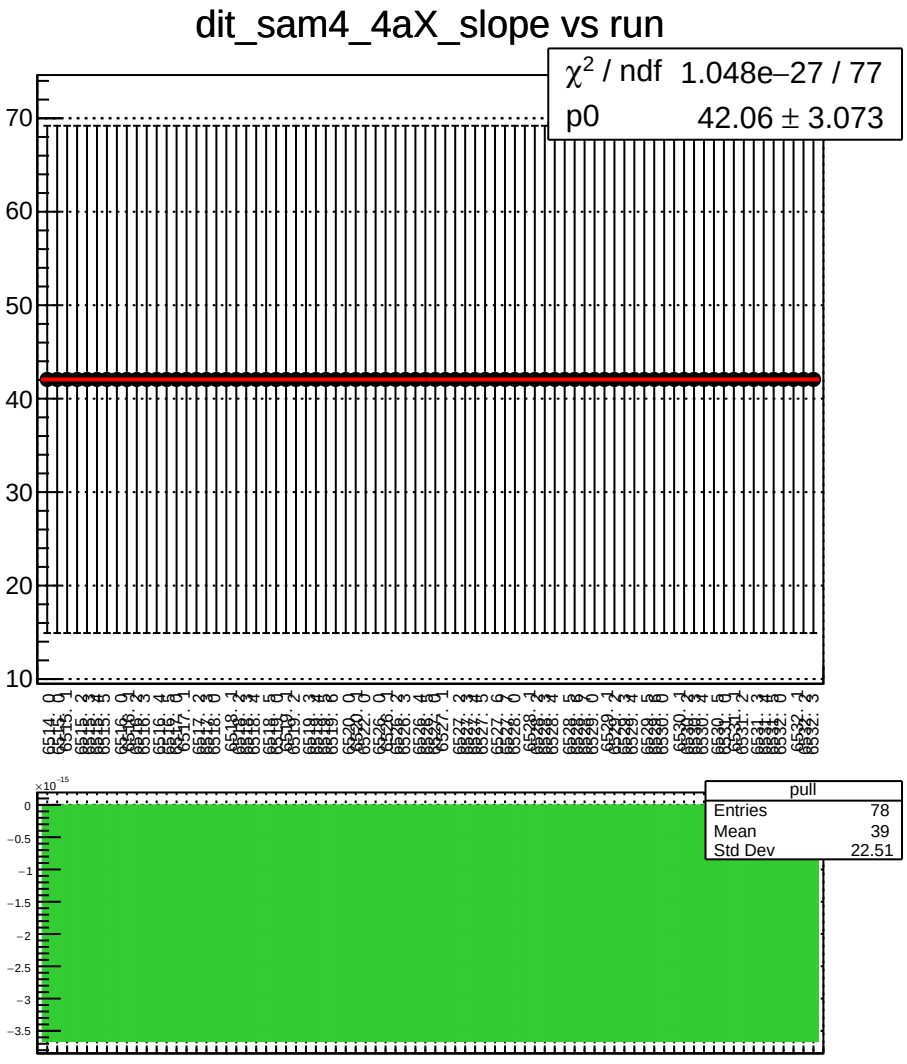

pull1D
Entries 78
Mean −1.344e−14
Std Dev 0

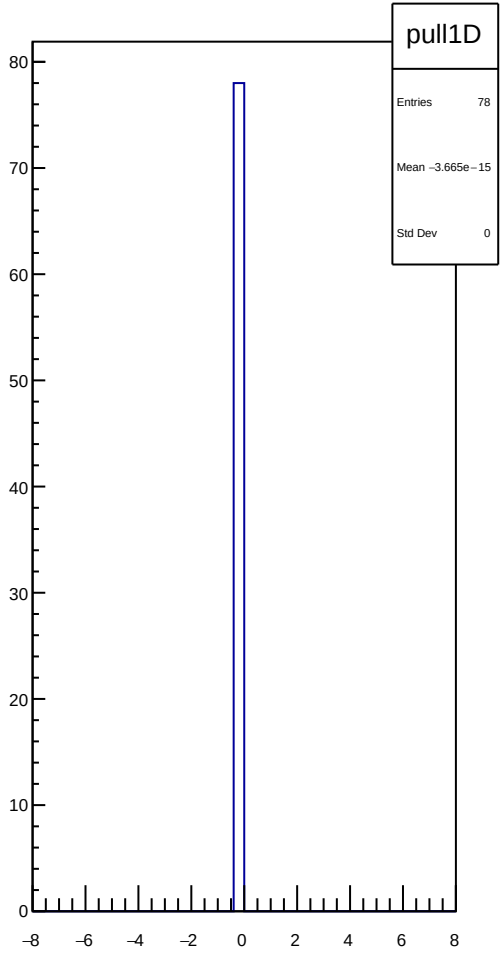
dit_sam3_4eY_slope vs run



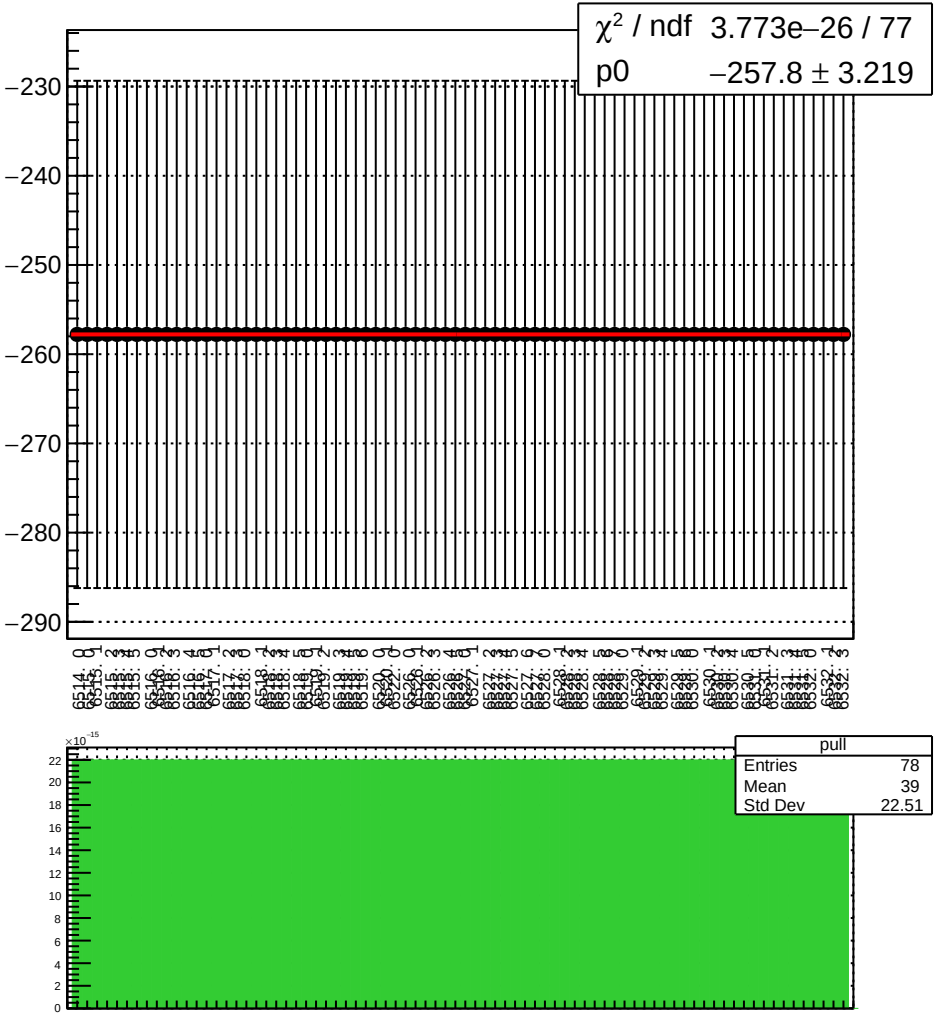


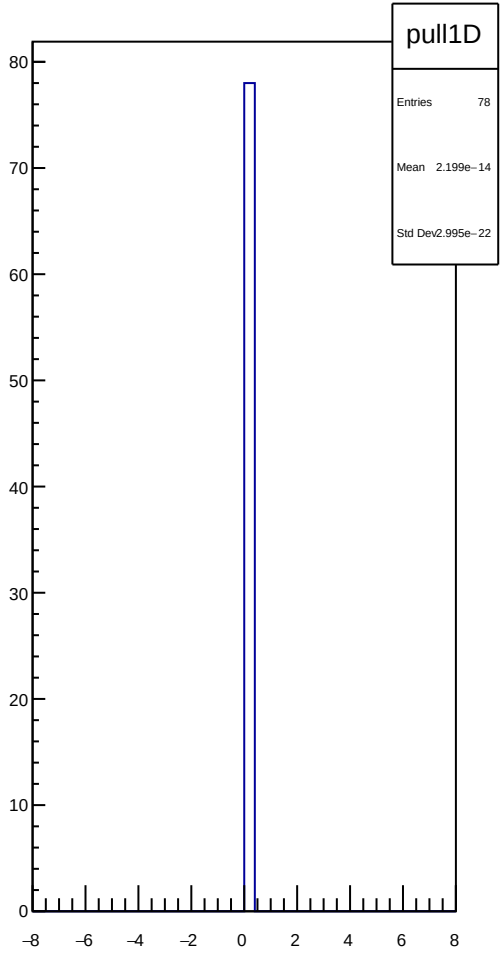



dit_sam4_4aX_slope vs run
χ^2 / ndf 1.048e−27 / 77
p0 42.06 ± 3.073
pull
Entries 78
Mean 39
Std Dev 22.51

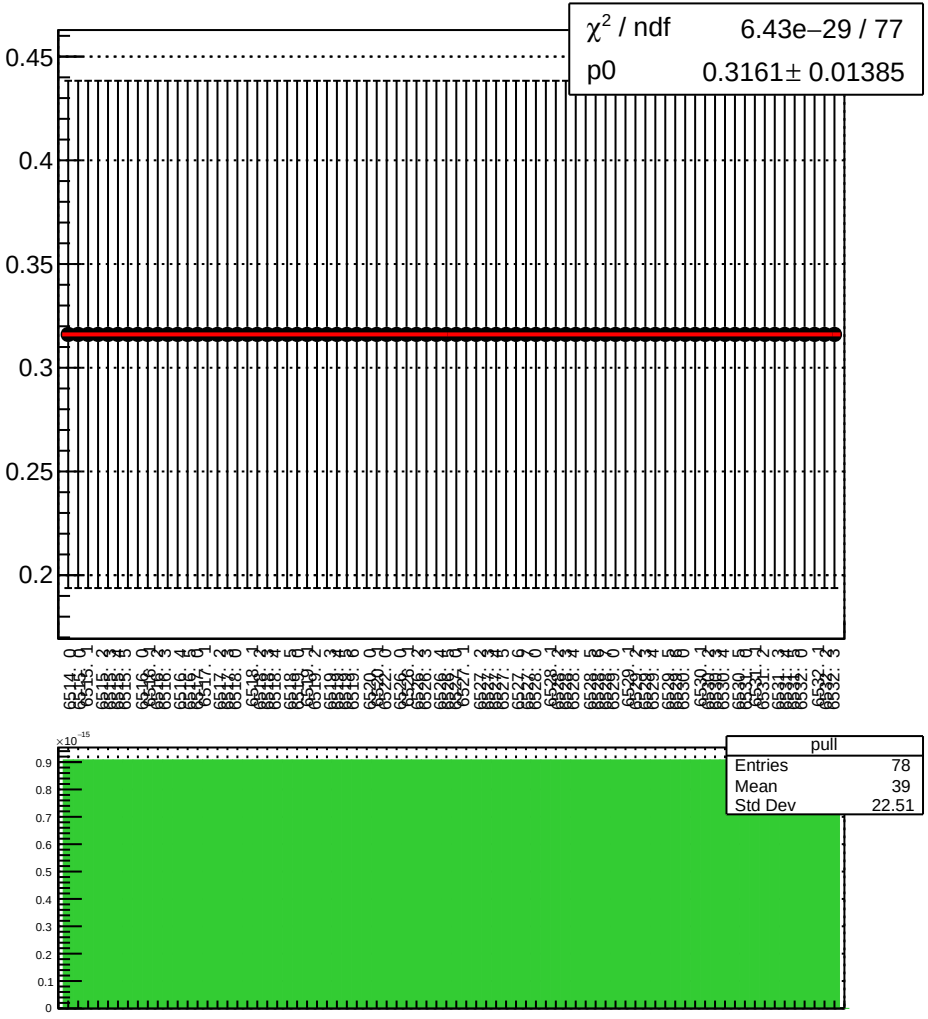

pull1D
Entries 78
Mean −3.665e−15
Std Dev 0

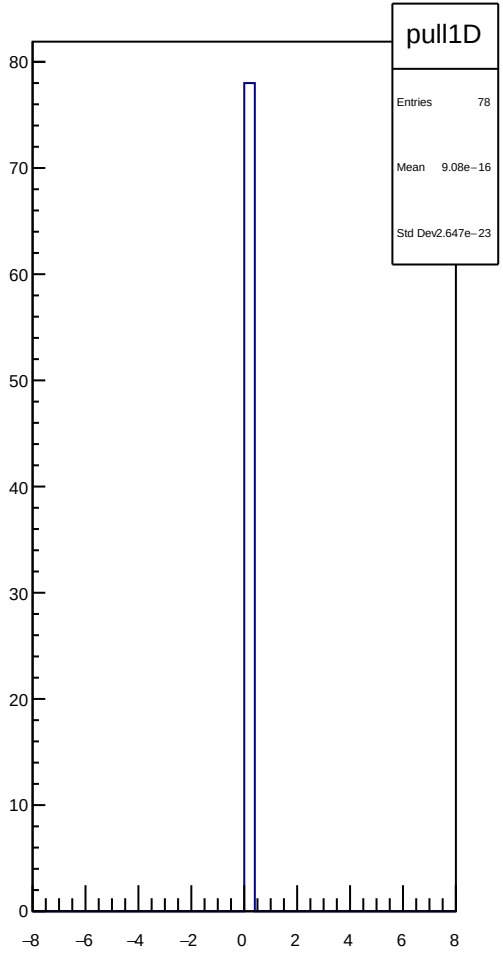
dit_sam4_4eX_slope vs run



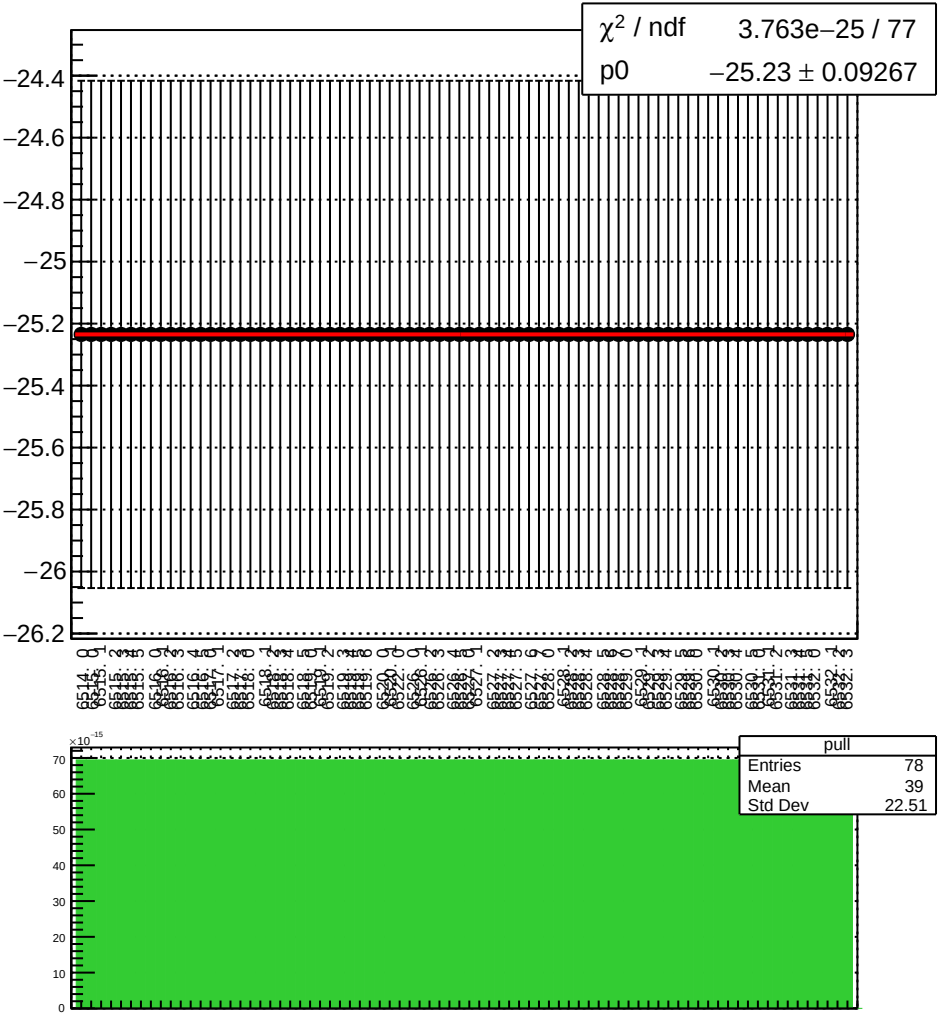


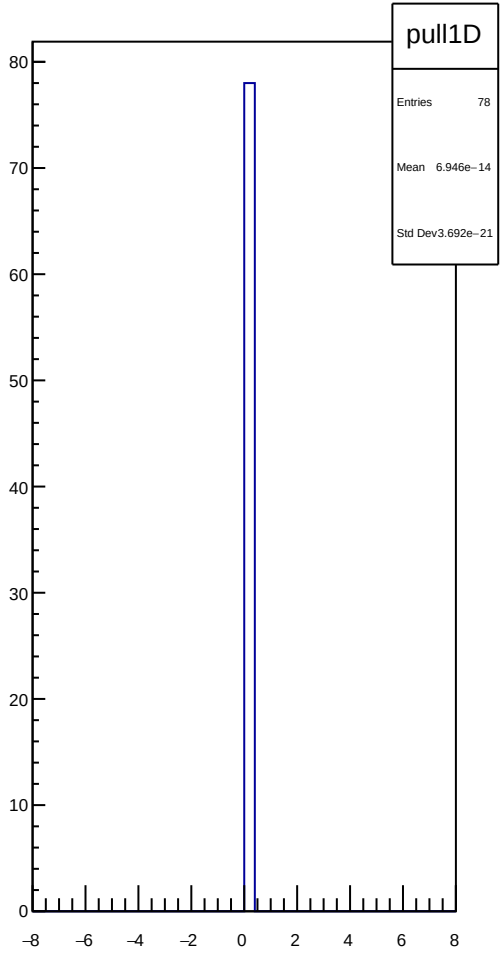
dit_sam4_11X12X_slope vs run

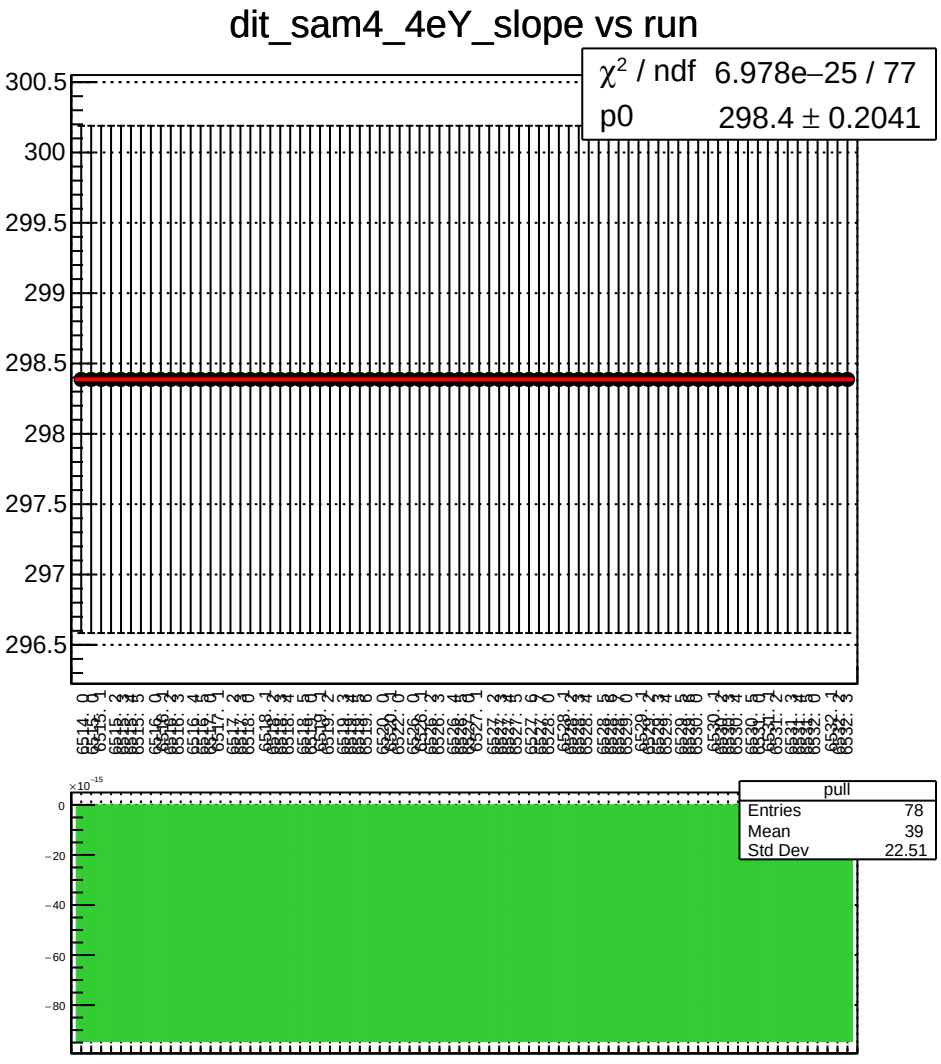


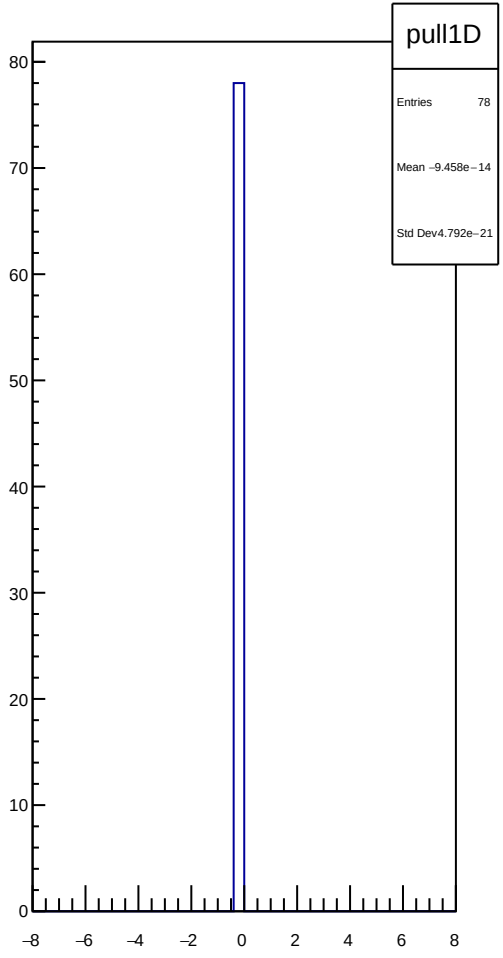


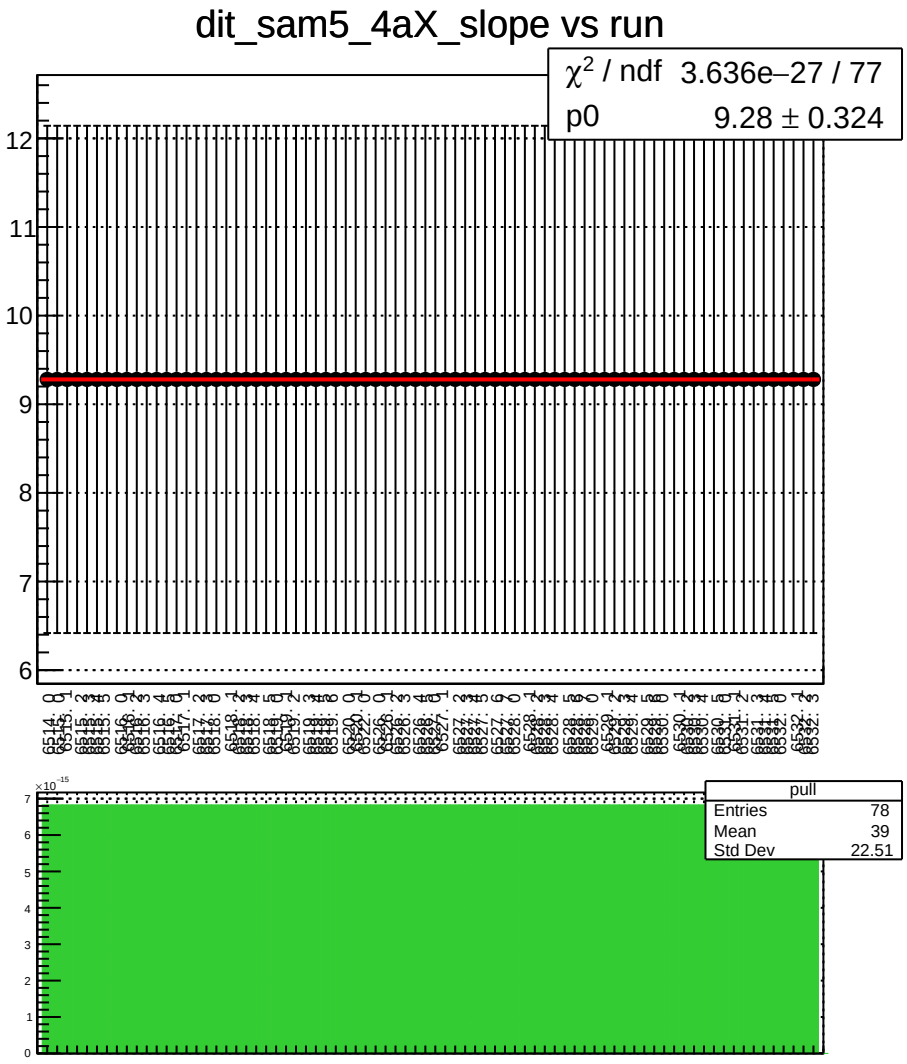
dit_sam4_4aY_slope vs run

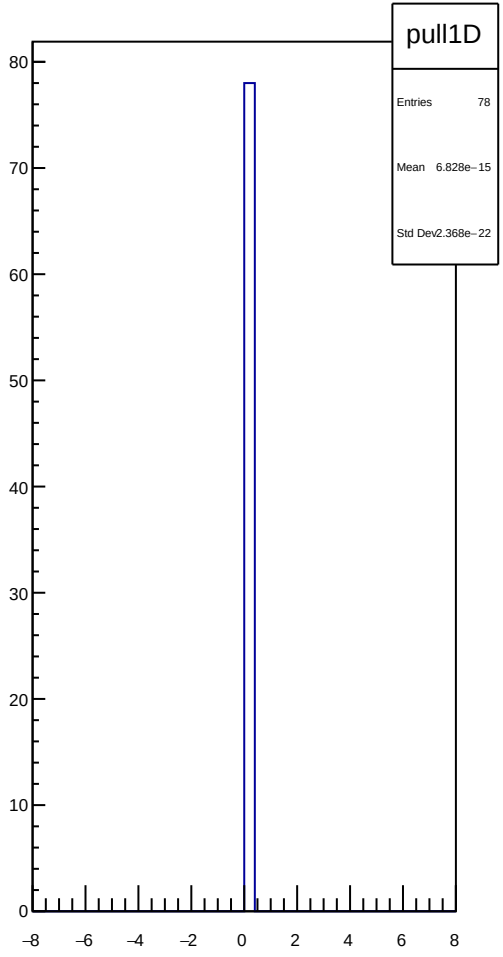


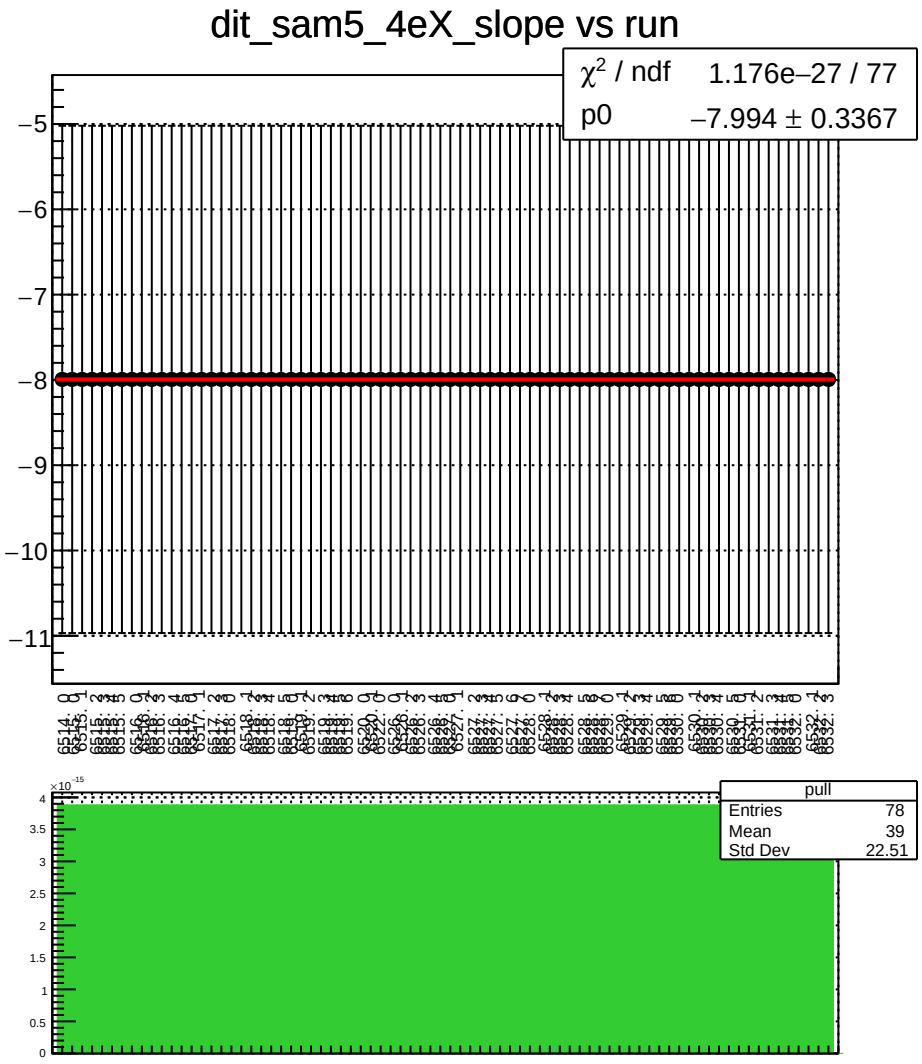


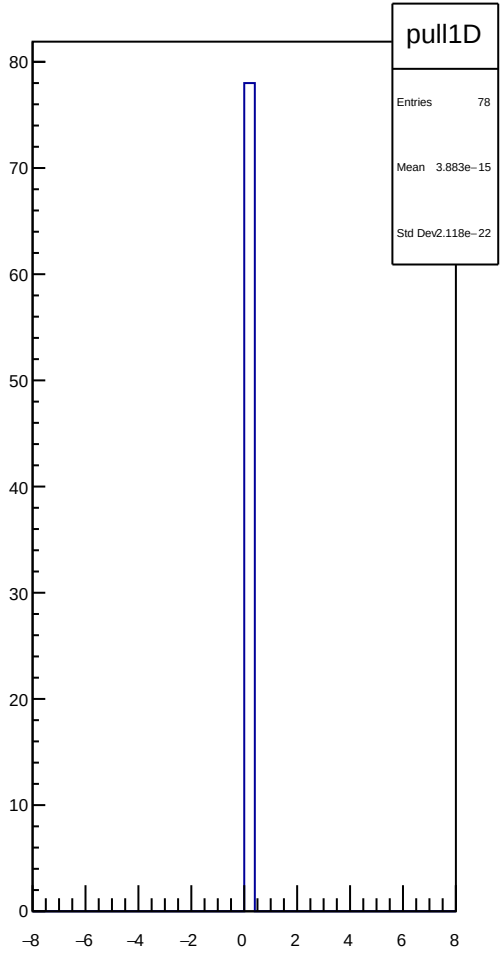

dit_sam4_4eY_slope vs run
χ² / ndf 6.978e−25 / 77
p0 298.4 ± 0.2041
300.5
300
299.5
299
298.5
298
297.5
297
296.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−20
−40
−60
−80


pull1D
Entries 78
Mean −9.458e−14
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

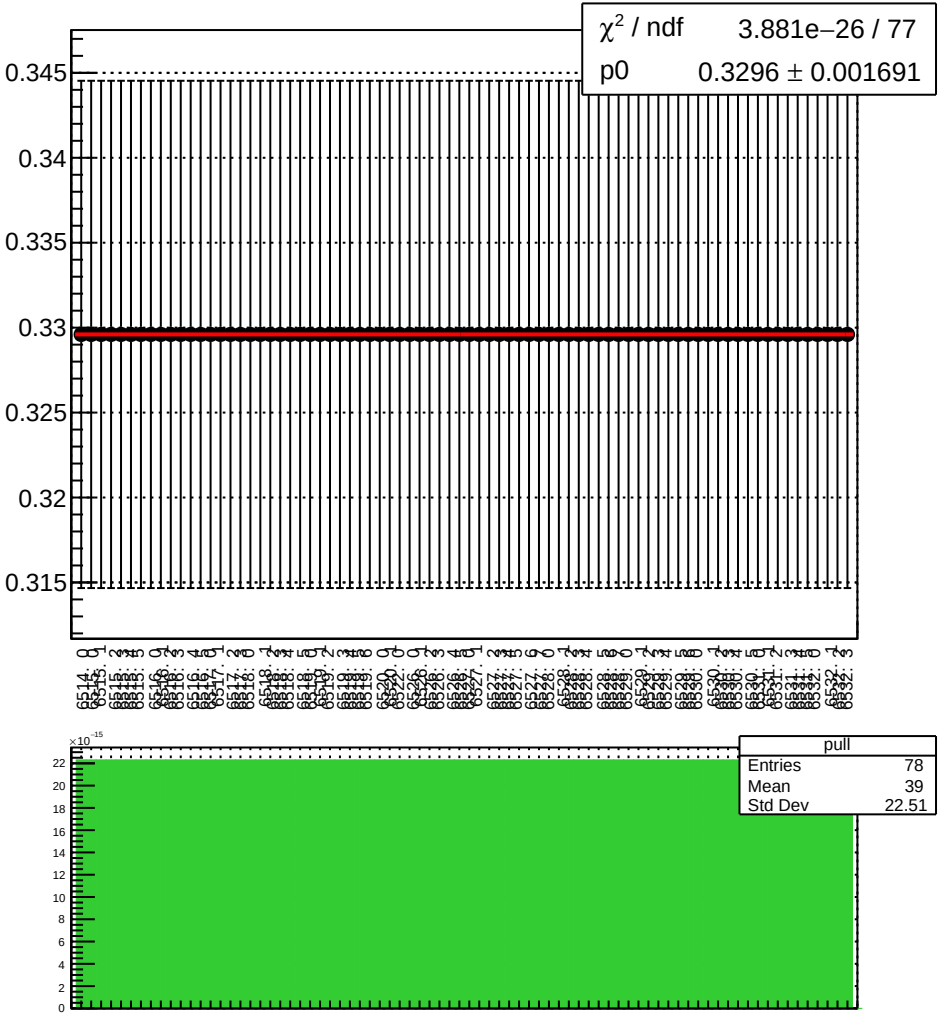

dit_sam5_4aX_slope vs run
χ^2 / ndf 3.636e−27 / 77
p0 9.28 ± 0.324
pull
Entries 78
Mean 39
Std Dev 22.51

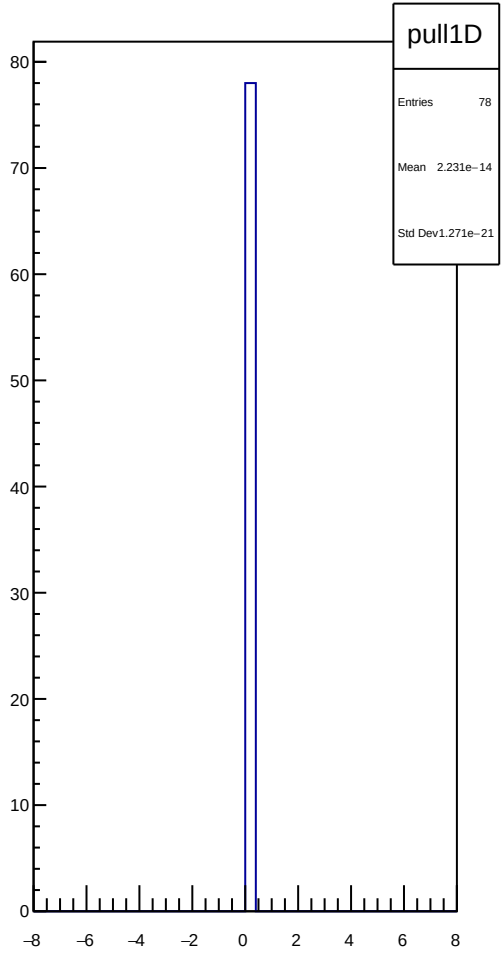

pull1D
Entries 78
Mean 6.828e−15
Std Dev 2.368e−22

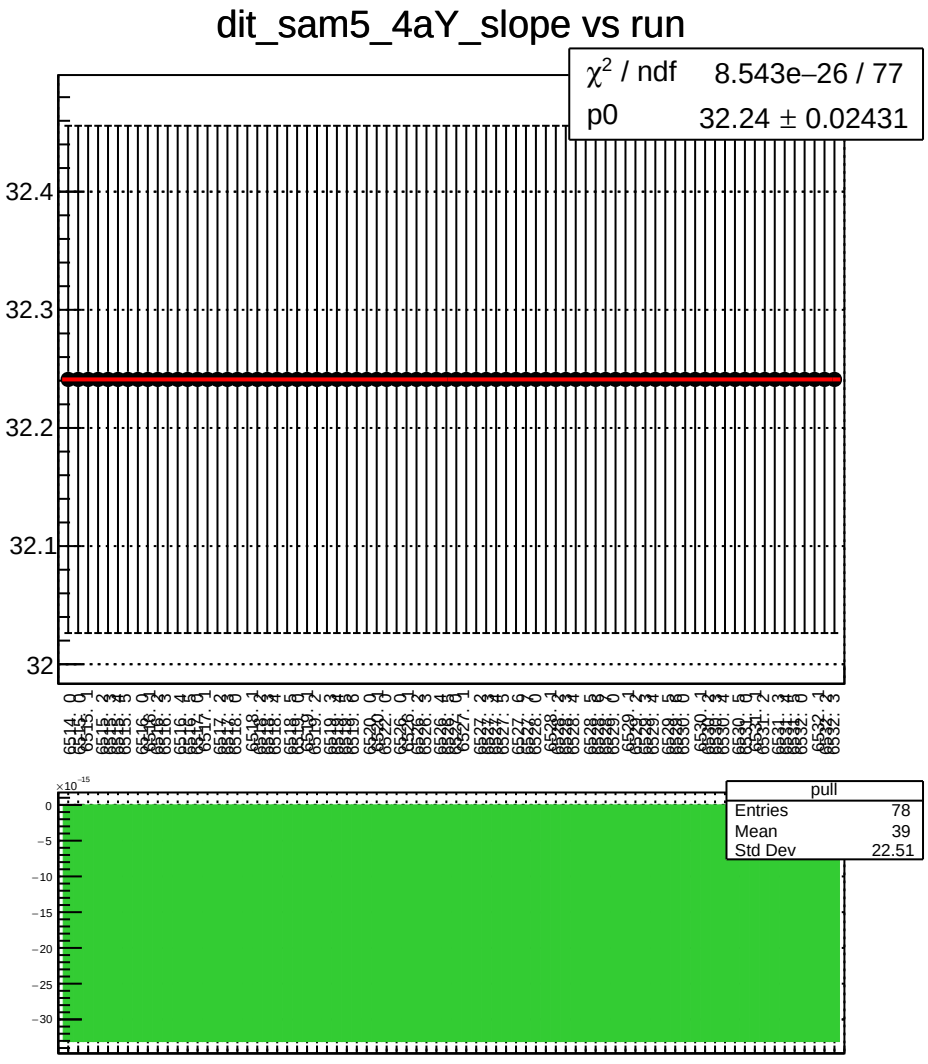

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.176e−27 / 77
p0 −7.994 ± 0.3367
pull
Entries 78
Mean 39
Std Dev 22.51

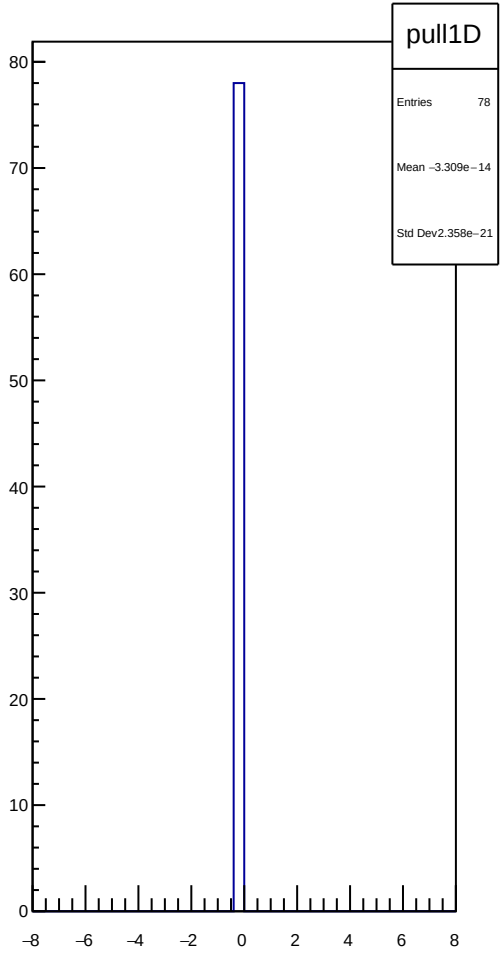

pull1D
Entries 78
Mean 3.883e−15
Std Dev 2.118e−22

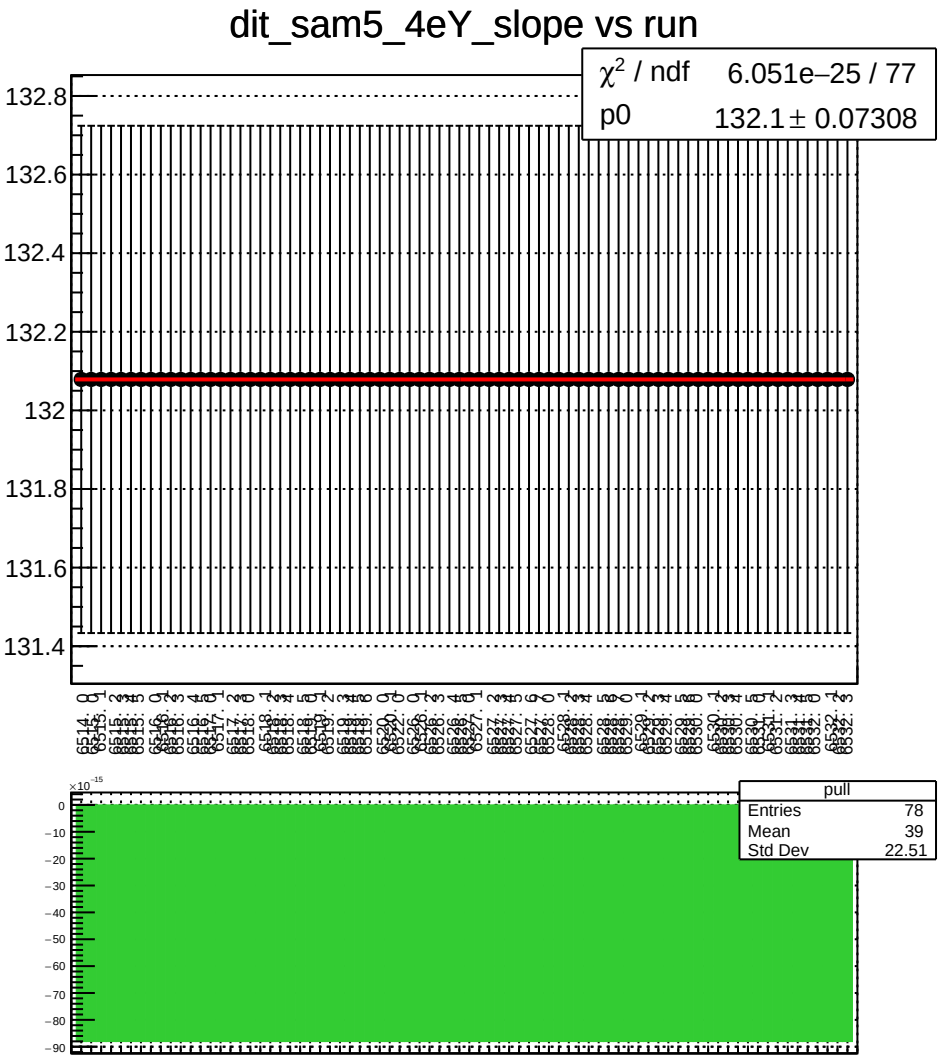
dit_sam5_11X12X_slope vs run

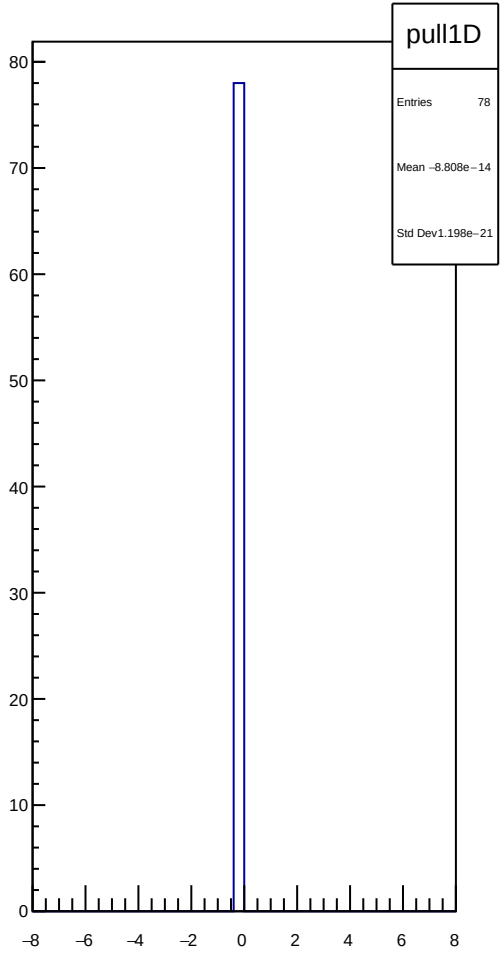


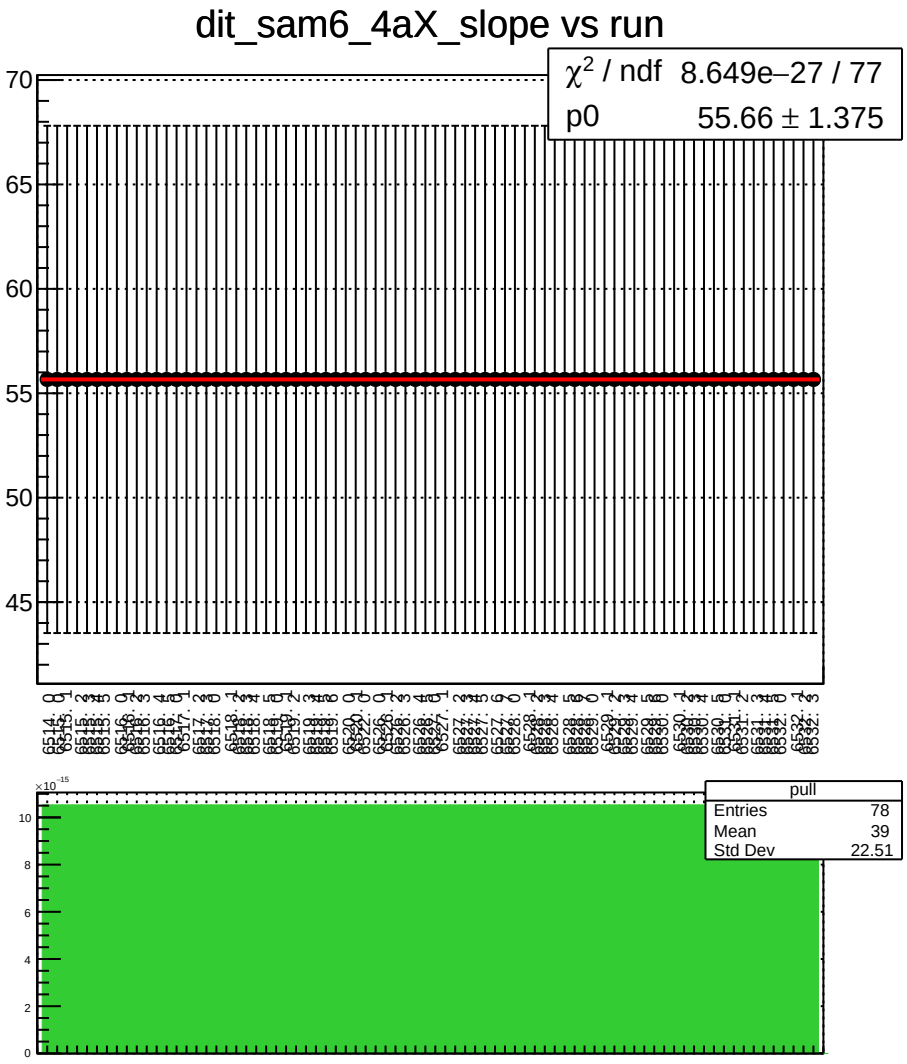


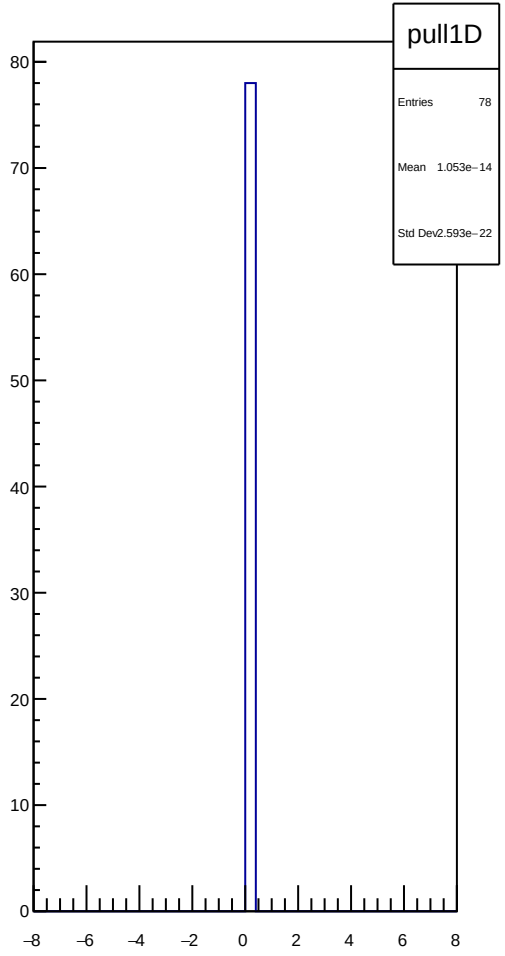

dit_sam5_4aY_slope vs run
χ^2 / ndf 8.543e−26 / 77
p0 32.24 ± 0.02431
32.4
32.3
32.2
32.1
32
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30

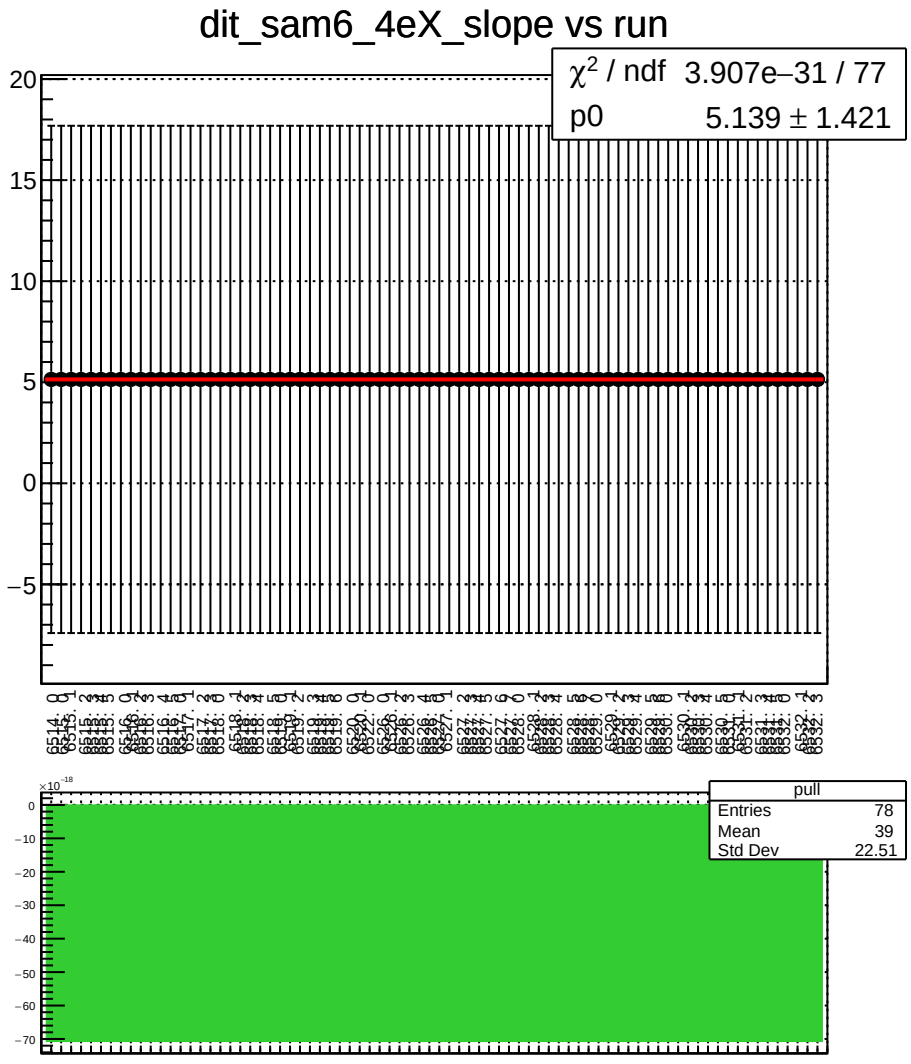

pull1D
Entries 78
Mean −3.309e−14
Std Dev 2.358e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

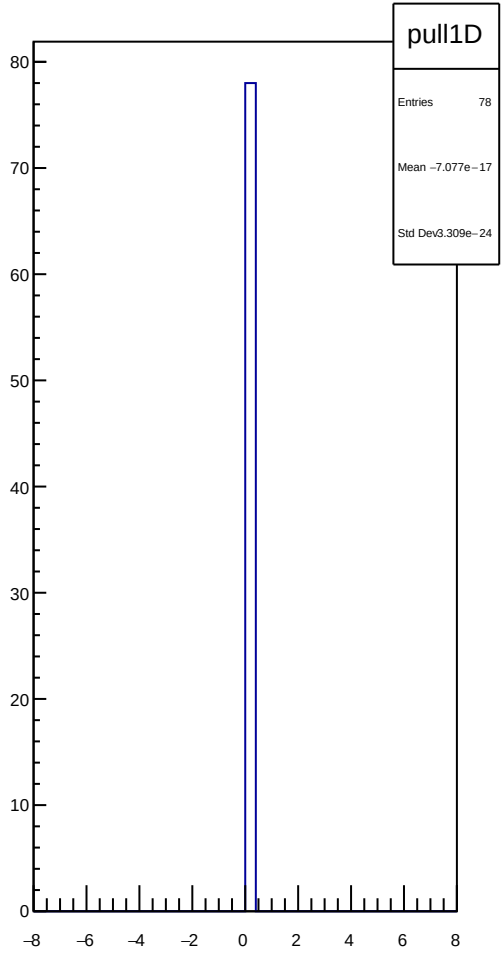

dit_sam5_4eY_slope vs run
χ^2 / ndf 6.051e−25 / 77
p0 132.1 ± 0.07308
132.8
132.6
132.4
132.2
132
131.8
131.6
131.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80
−90


pull1D
Entries 78
Mean −8.808e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

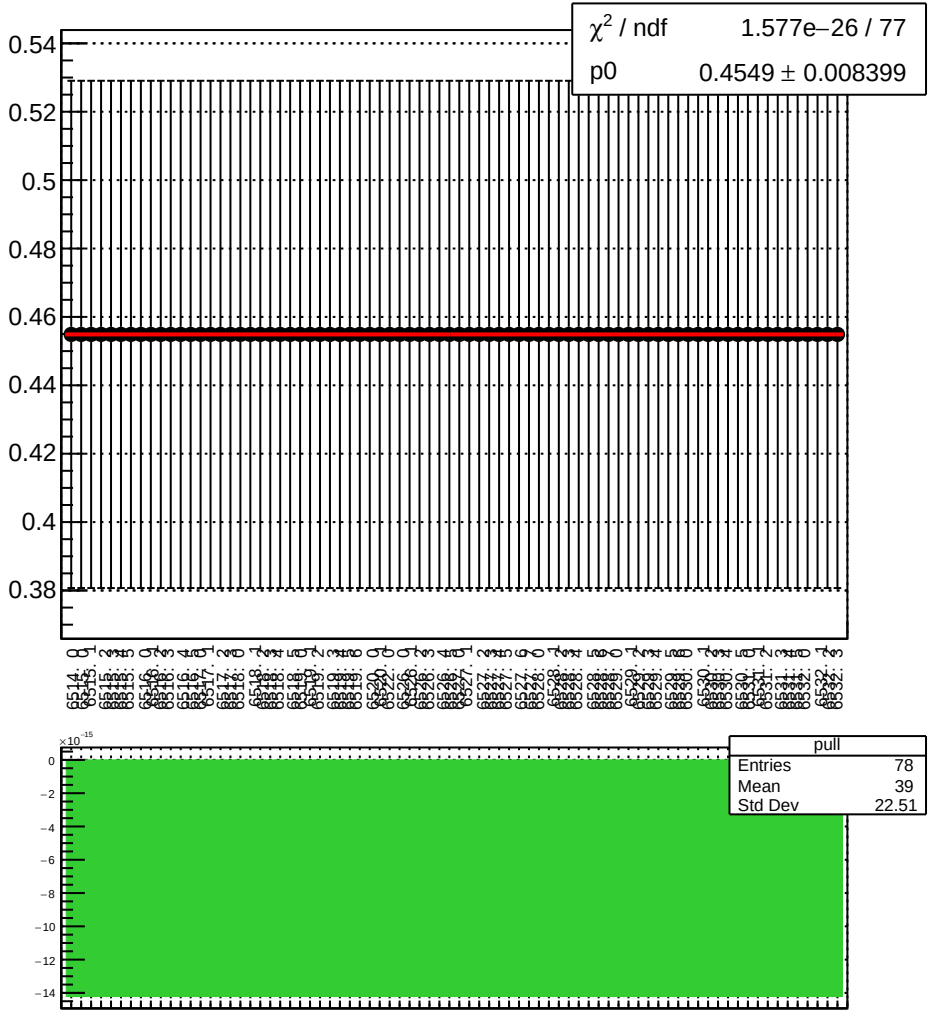

dit_sam6_4aX_slope vs run
χ^2 / ndf 8.649e−27 / 77
p0 55.66 ± 1.375
70
65
60
55
50
45
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-15}$
10
8
6
4
2
0

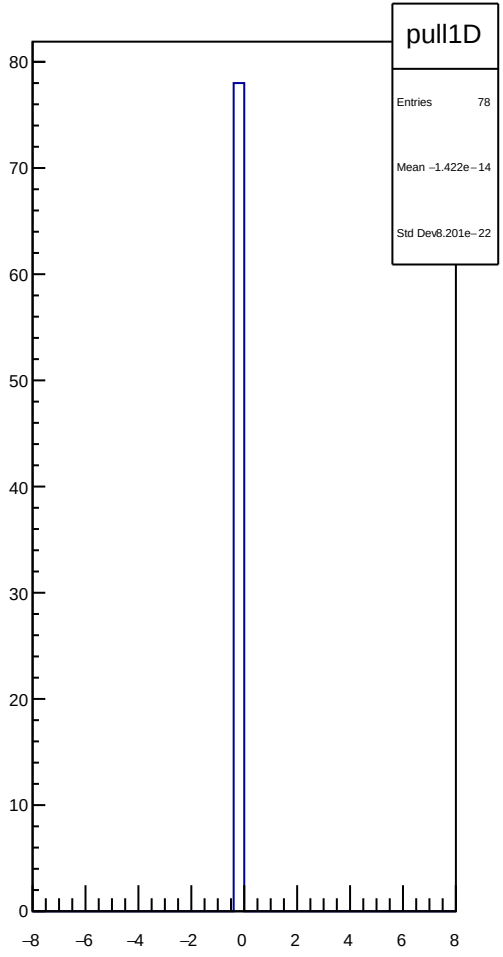

pull1D
Entries 78
Mean 1.053e−14
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

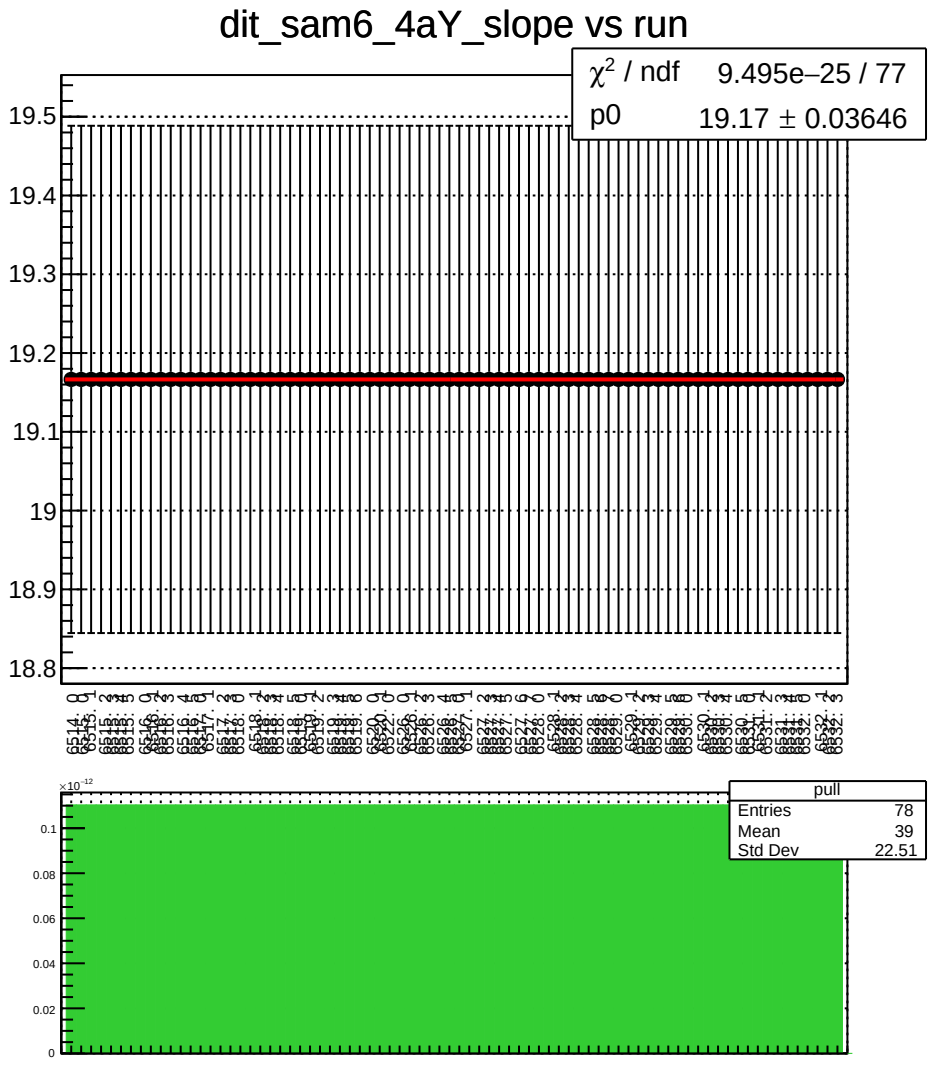

dit_sam6_4eX_slope vs run
χ^2 / ndf 3.907e−31 / 77
p0 5.139 ± 1.421
pull
Entries 78
Mean 39
Std Dev 22.51

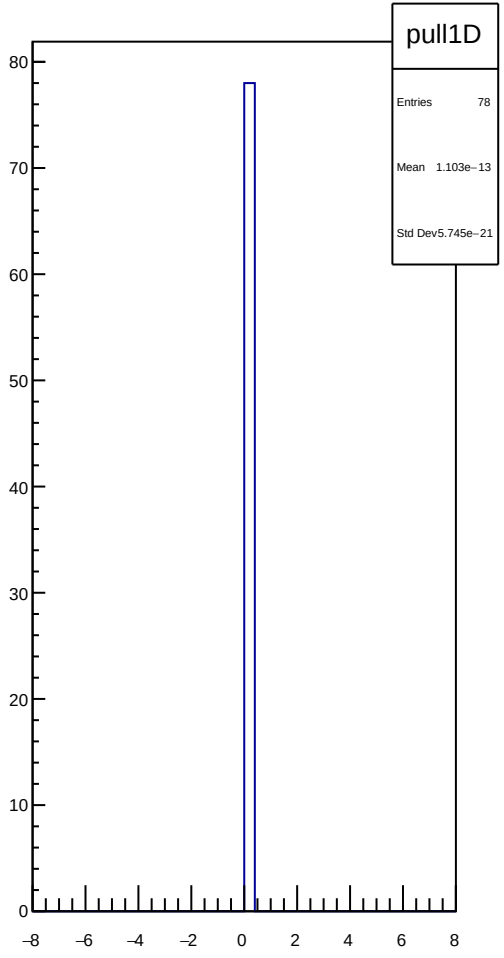

pull1D
Entries 78
Mean −7.077e−17
Std Dev 3.309e−24

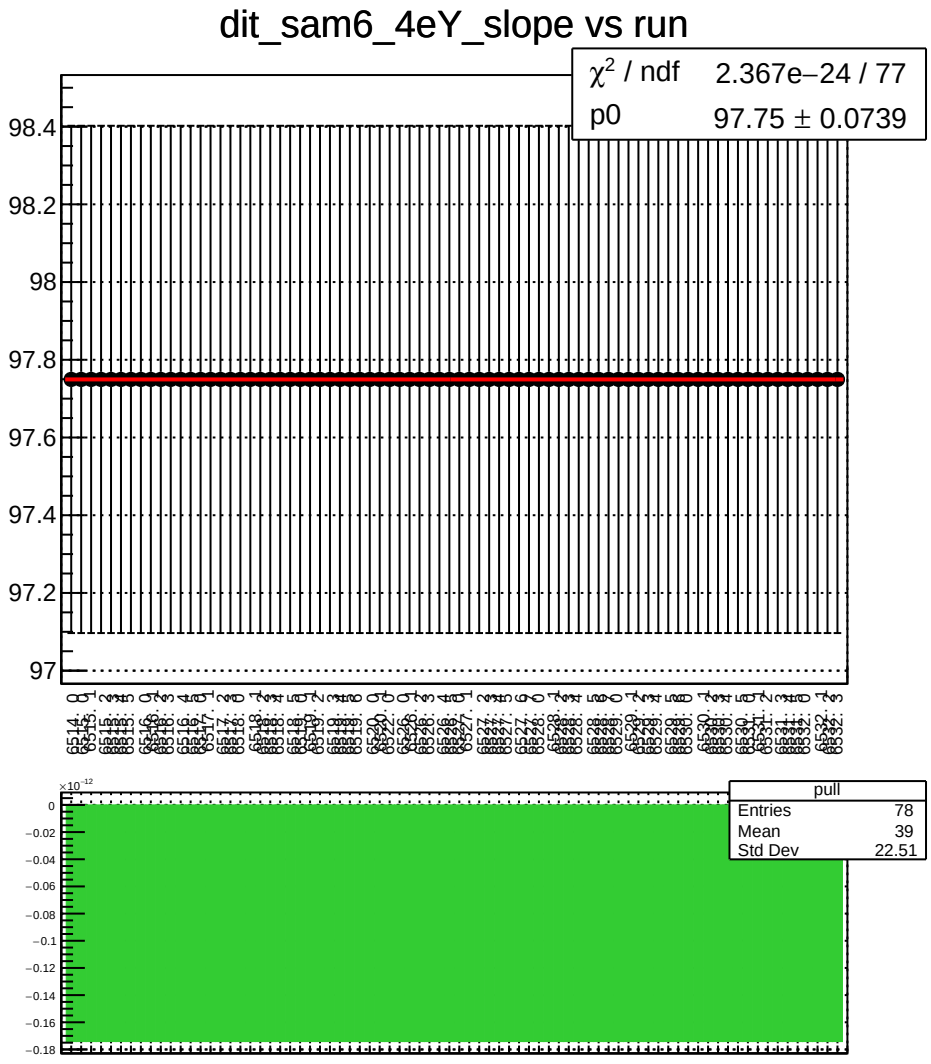
dit_sam6_11X12X_slope vs run

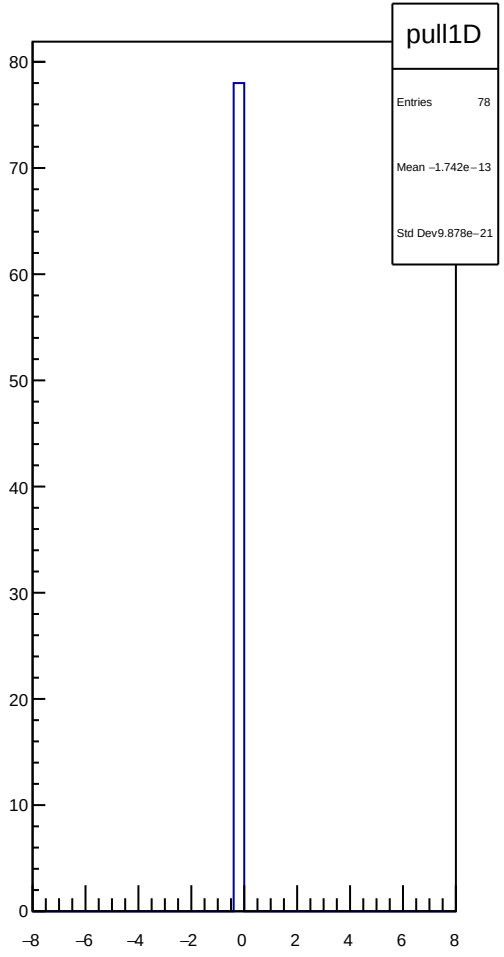


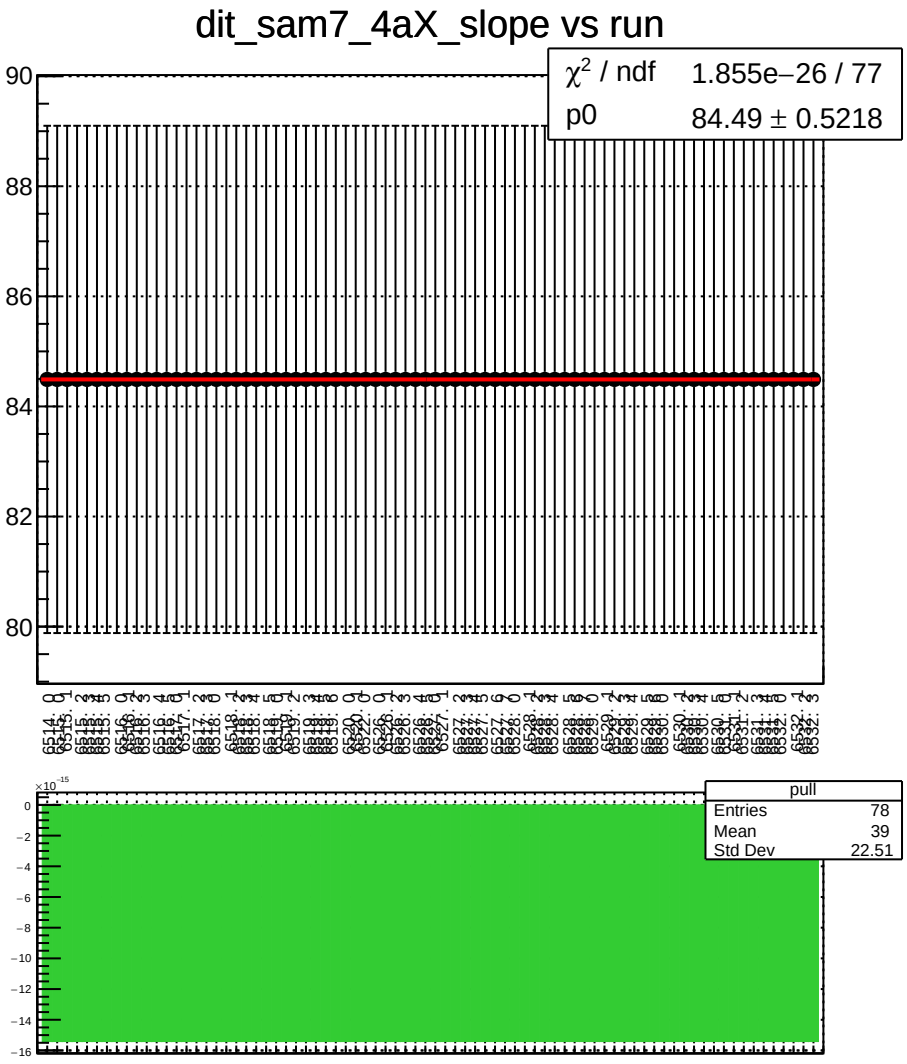


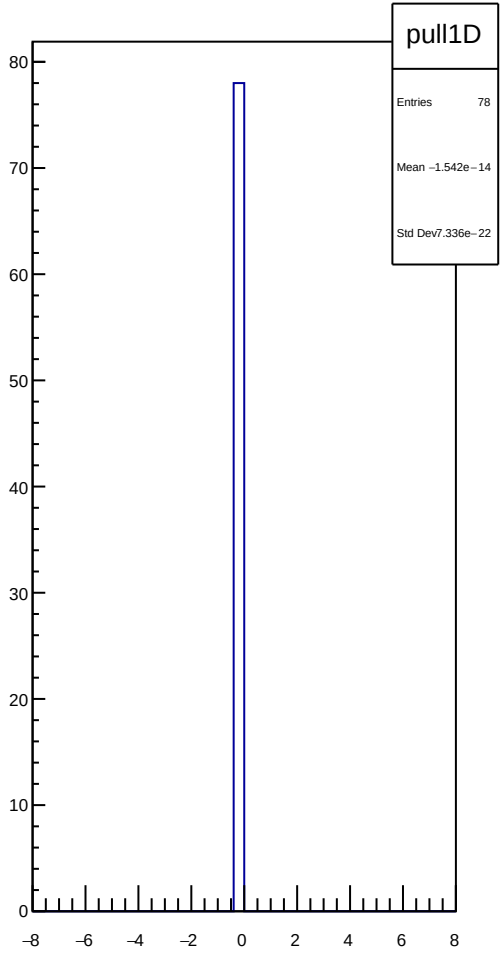

dit_sam6_4aY_slope vs run
χ^2 / ndf 9.495e−25 / 77
p0 19.17 ± 0.03646
19.5
19.4
19.3
19.2
19.1
19
18.9
18.8
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

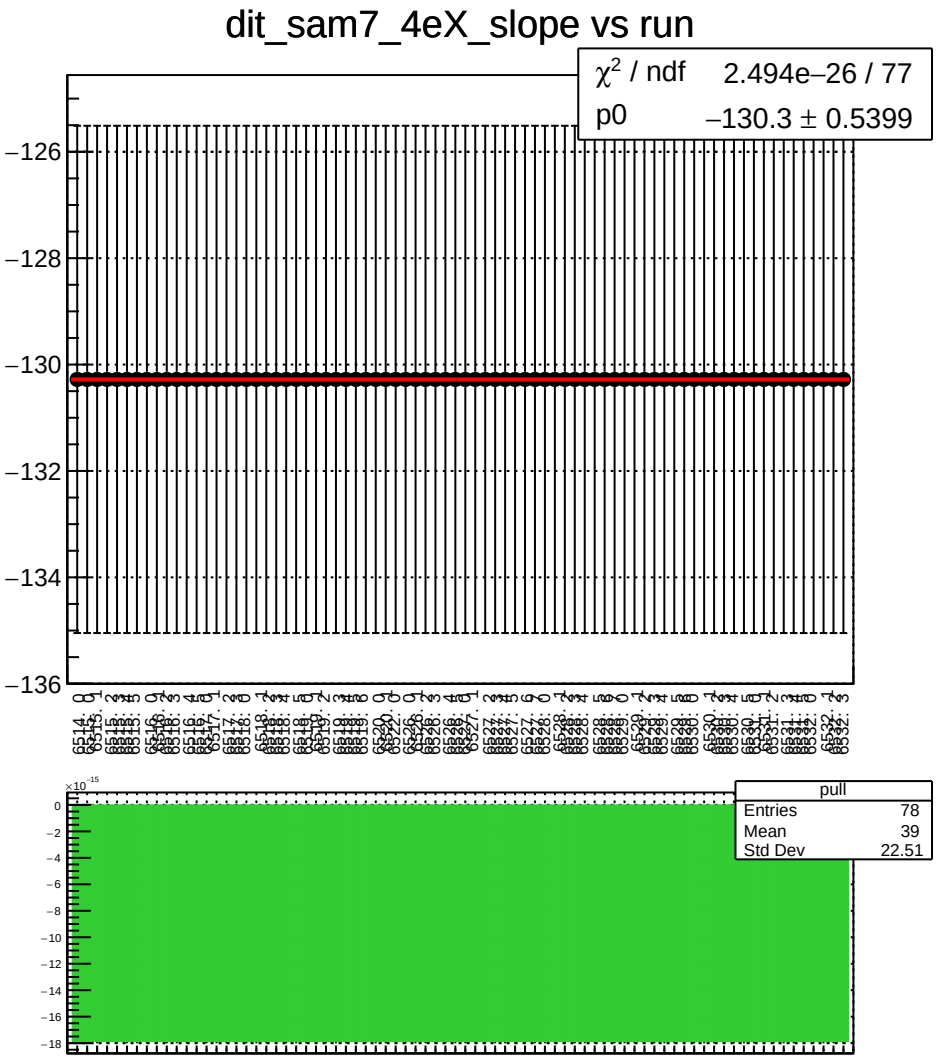

pull1D
Entries 78
Mean 1.103e−13
Std Dev 5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

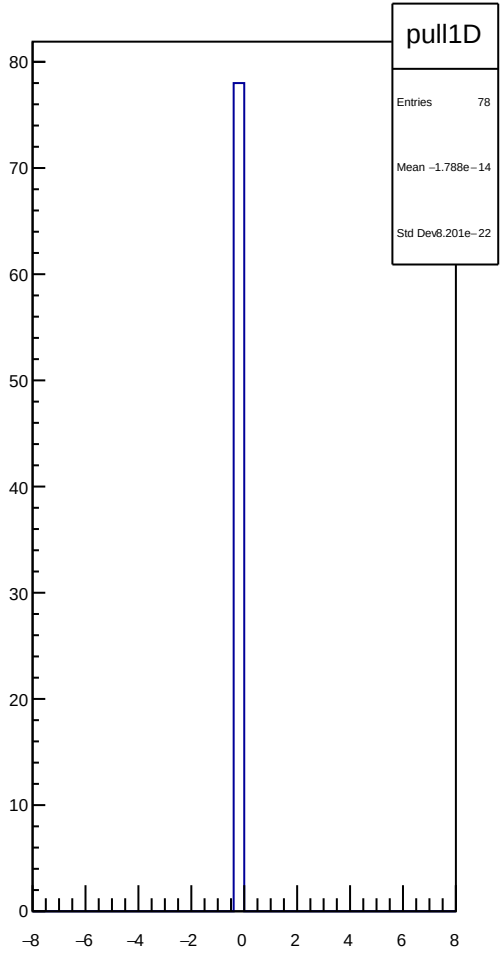

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.367e−24 / 77
p0 97.75 ± 0.0739
98.4
98.2
98
97.8
97.6
97.4
97.2
97
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18


pull1D
Entries 78
Mean −1.742e−13
Std Dev 9.878e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

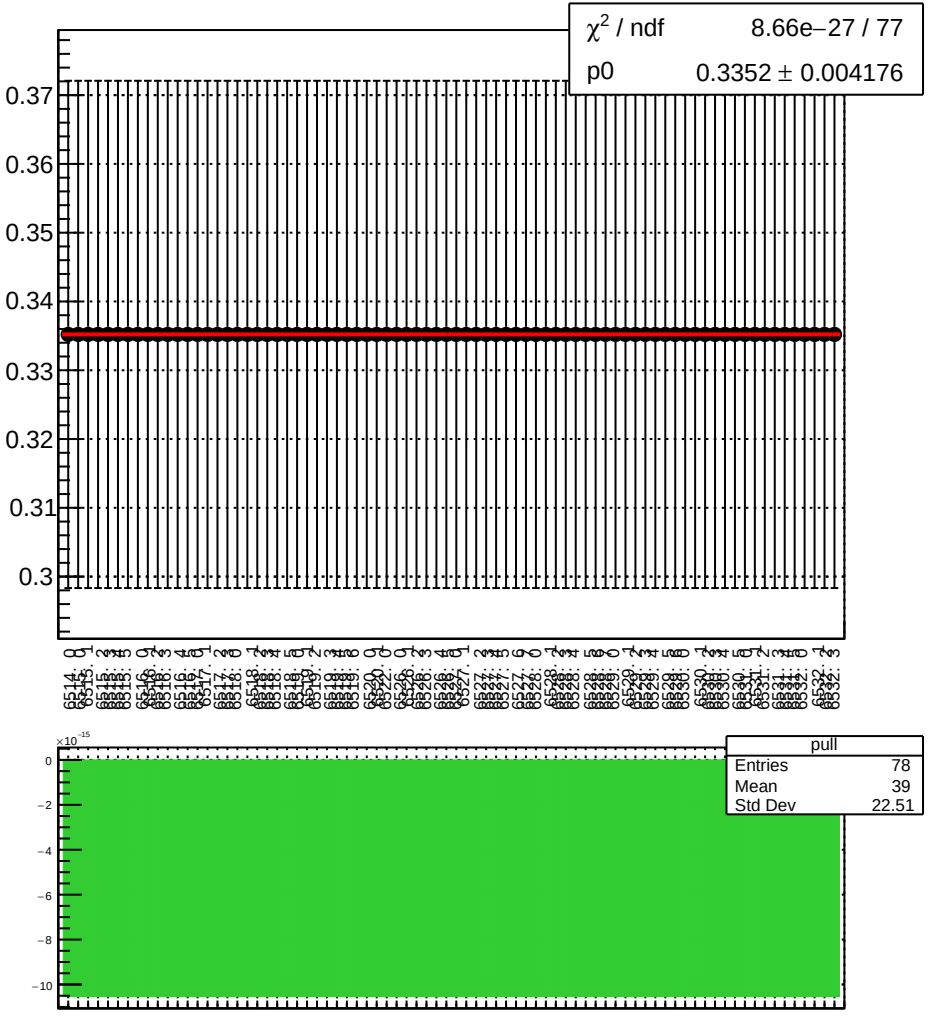

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.855e−26 / 77
p0 84.49 ± 0.5218
90
88
86
84
82
80
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

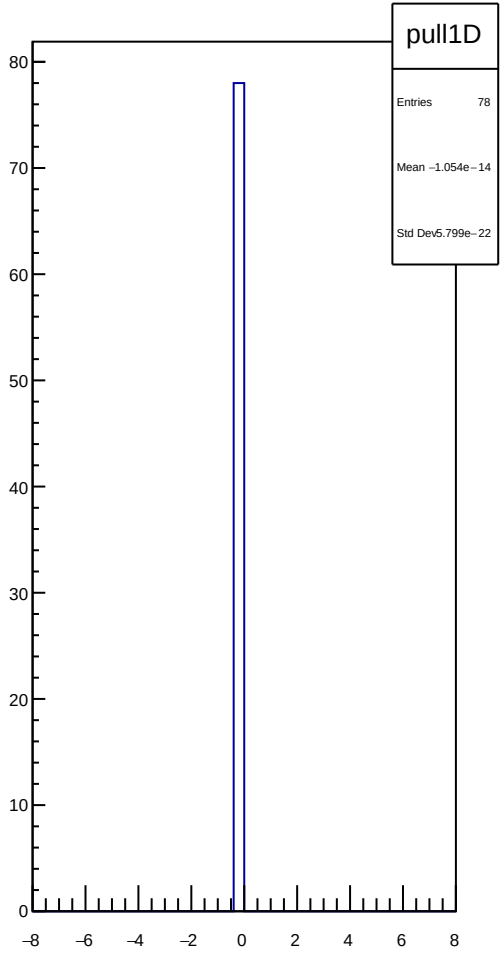

pull1D
Entries 78
Mean −1.542e−14
Std Dev7.336e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

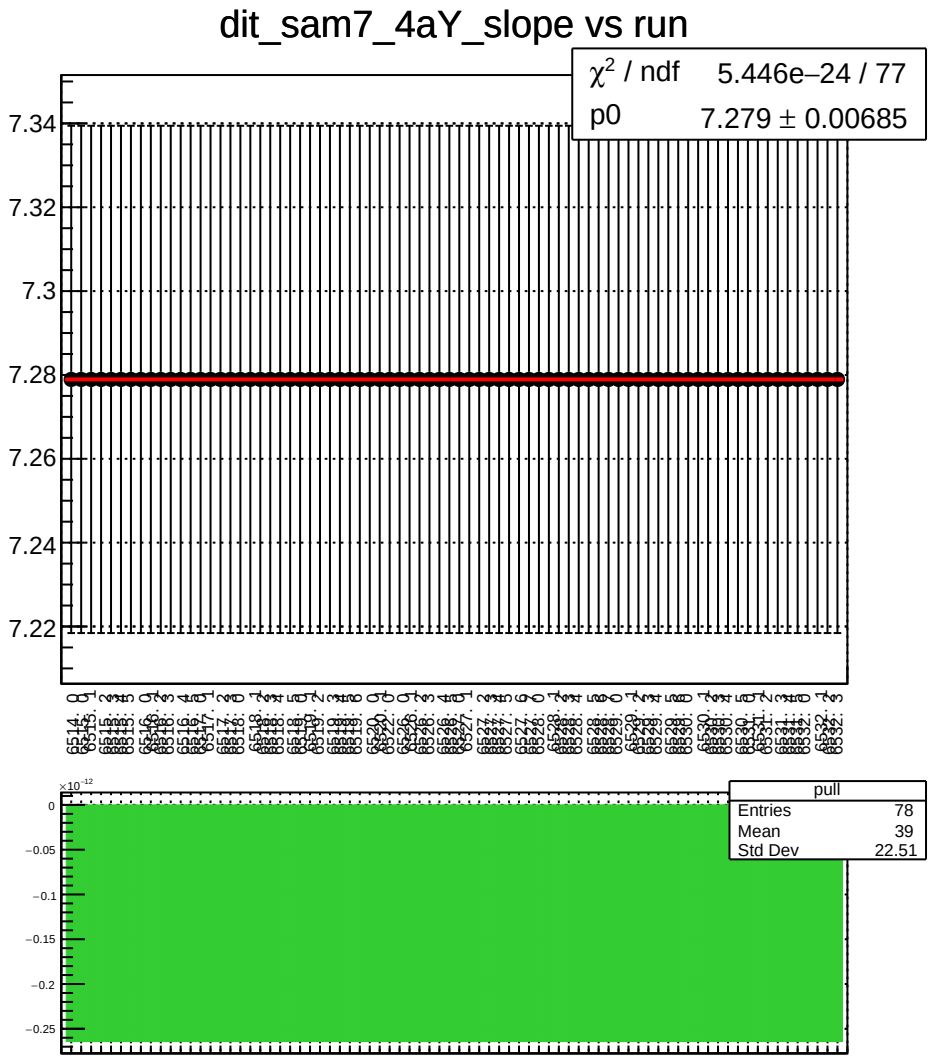

dit_sam7_4eX_slope vs run
χ^2 / ndf 2.494e−26 / 77
p0 −130.3 ± 0.5399
−126
−128
−130
−132
−134
−136
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

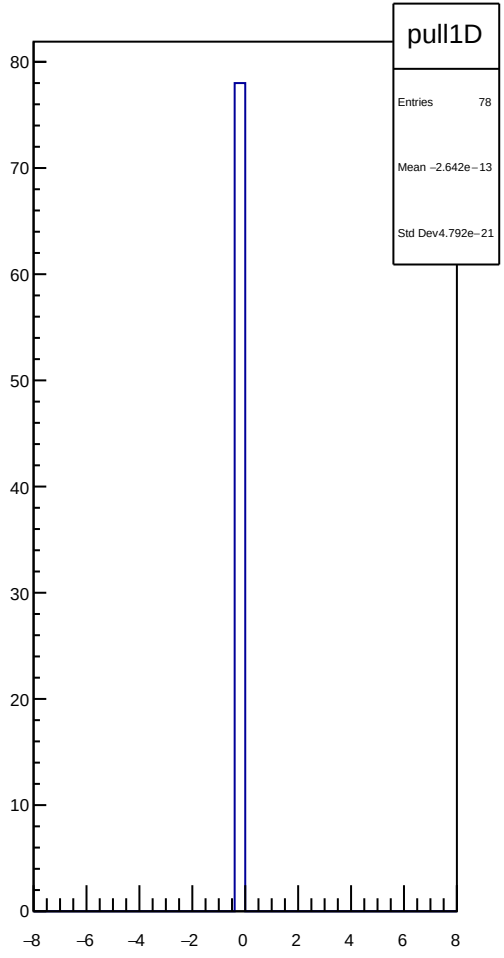

pull1D
Entries 78
Mean −1.788e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

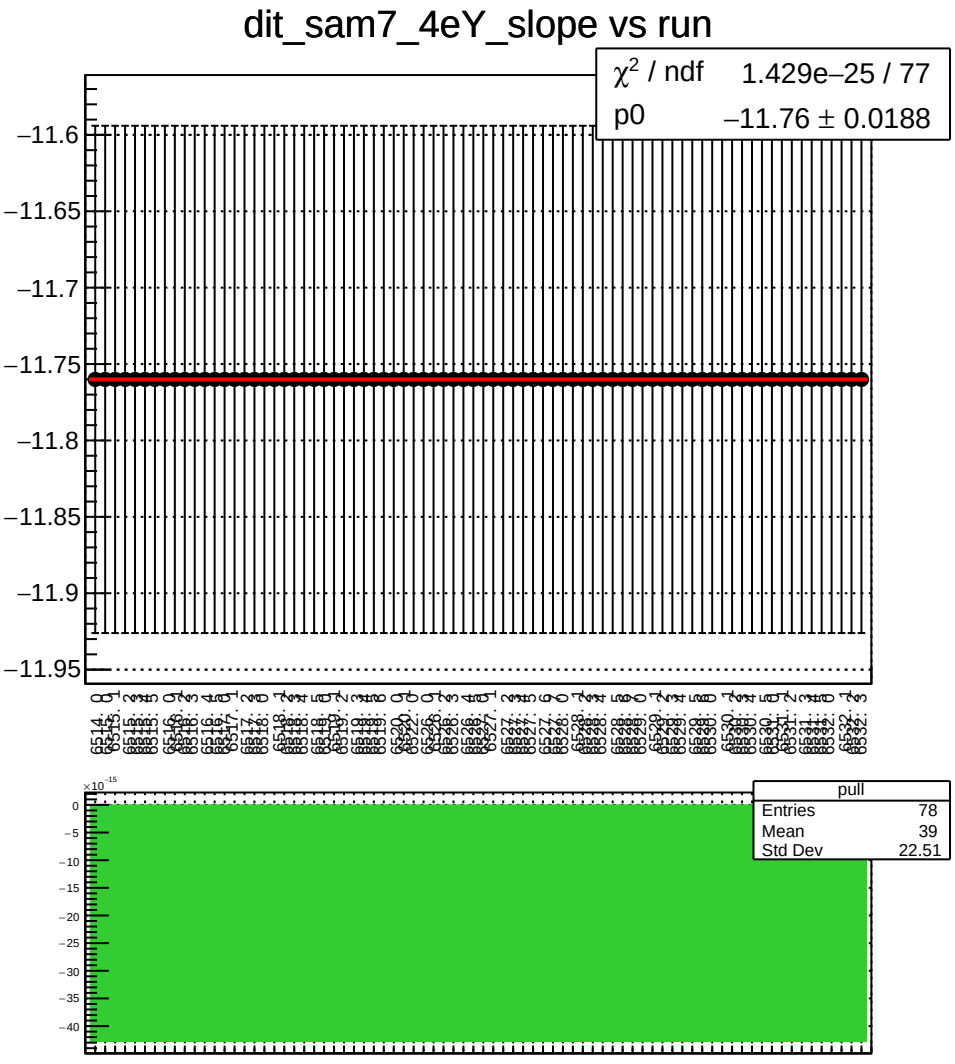
dit_sam7_11X12X_slope vs run

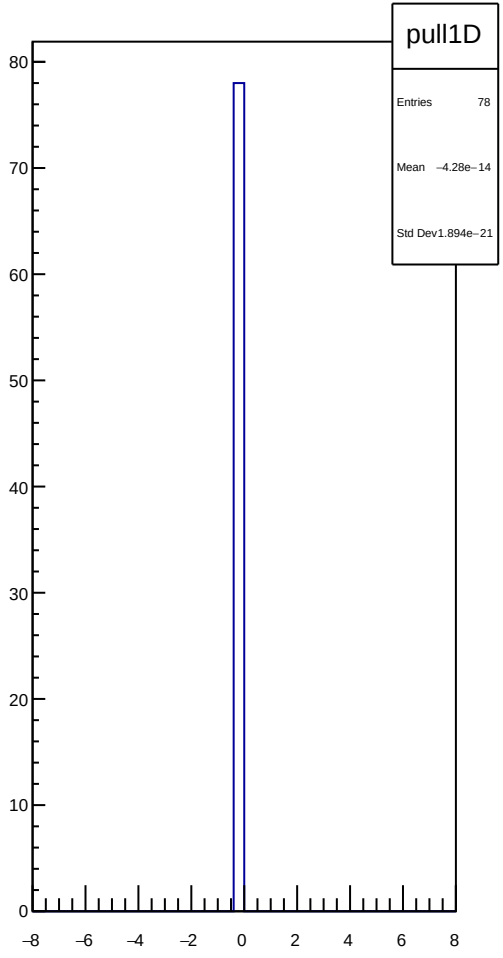


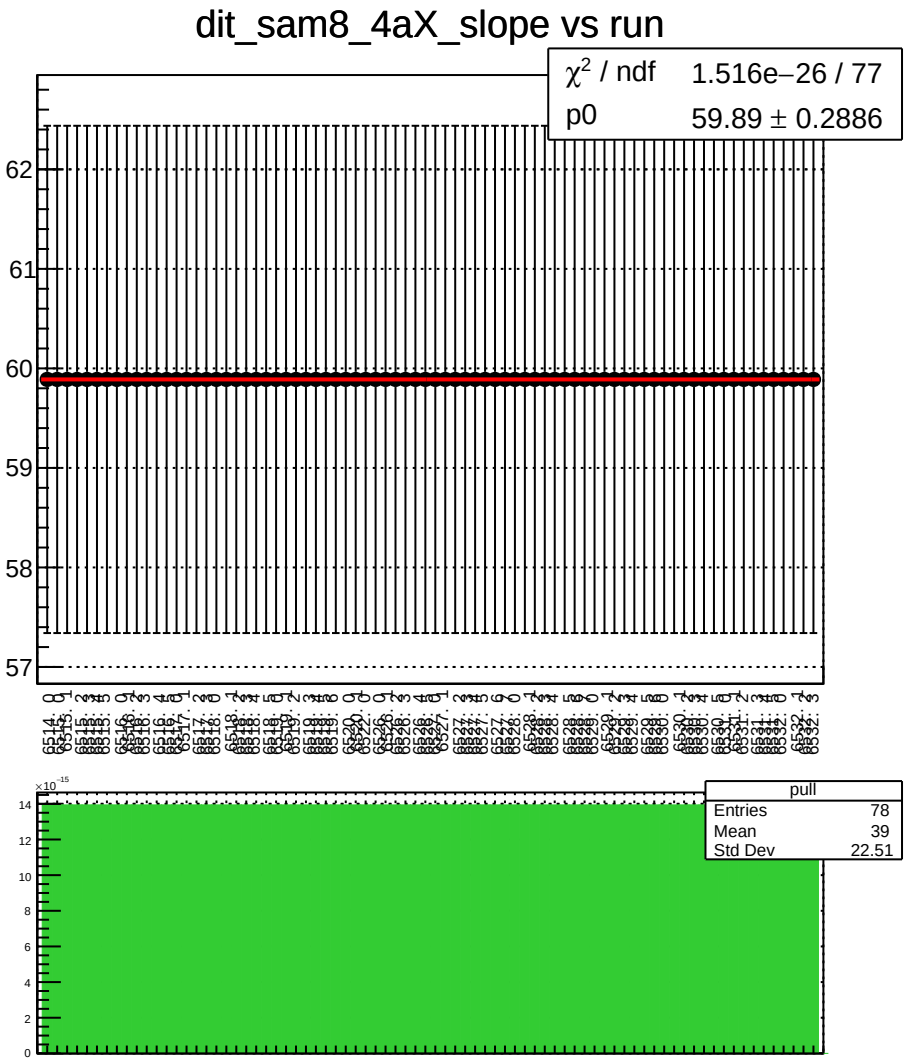


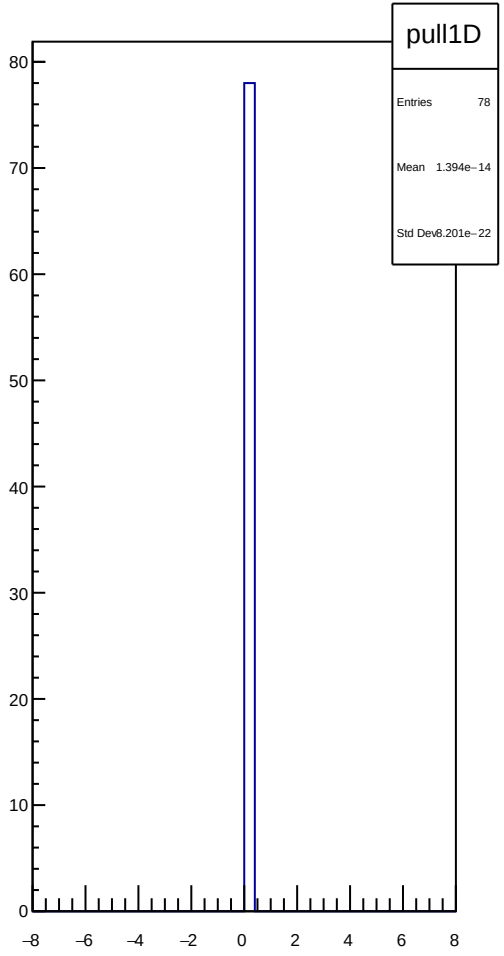

dit_sam7_4aY_slope vs run
χ² / ndf 5.446e−24 / 77
p0 7.279 ± 0.00685
7.34
7.32
7.3
7.28
7.26
7.24
7.22
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25


pull1D
Entries 78
Mean −2.642e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

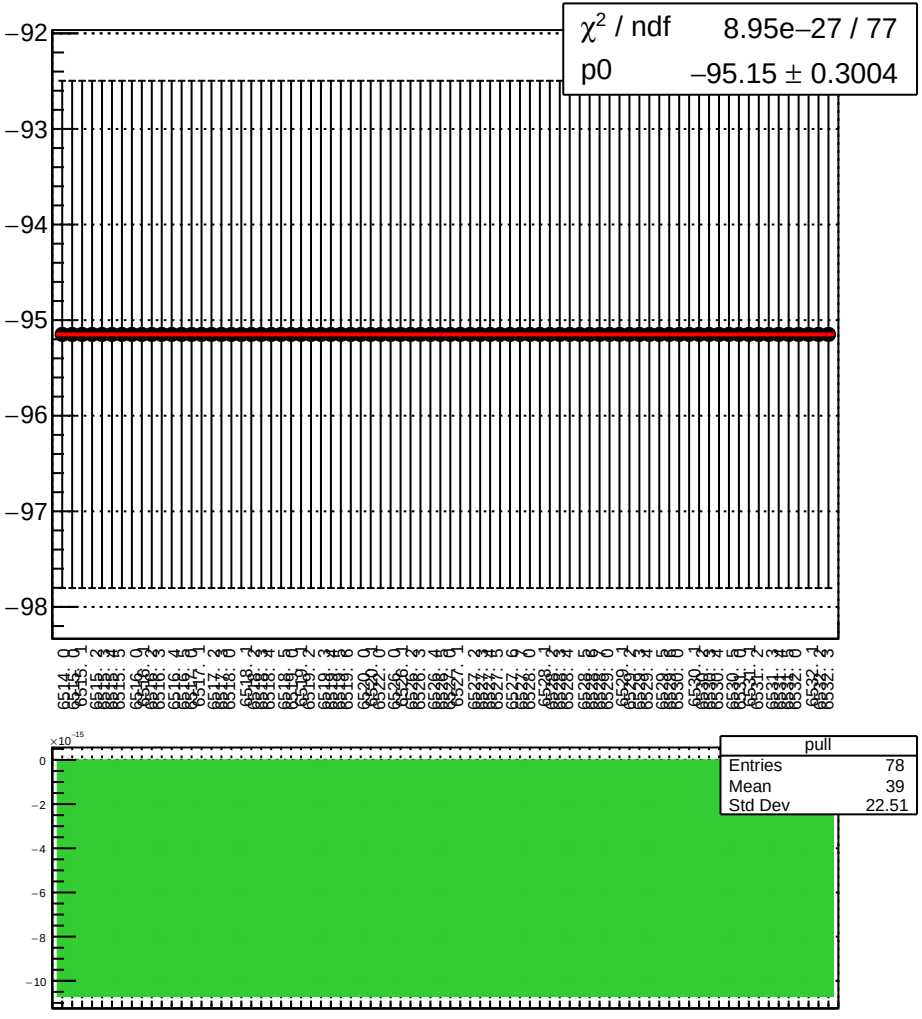

dit_sam7_4eY_slope vs run
χ^2 / ndf 1.429e−25 / 77
p0 −11.76 ± 0.0188
−11.6
−11.65
−11.7
−11.75
−11.8
−11.85
−11.9
−11.95
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

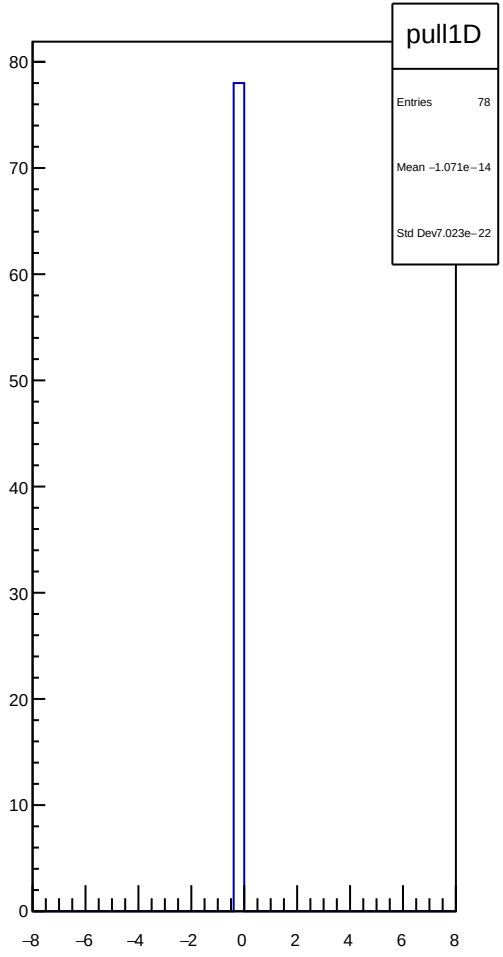

pull1D
Entries 78
Mean −4.28e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

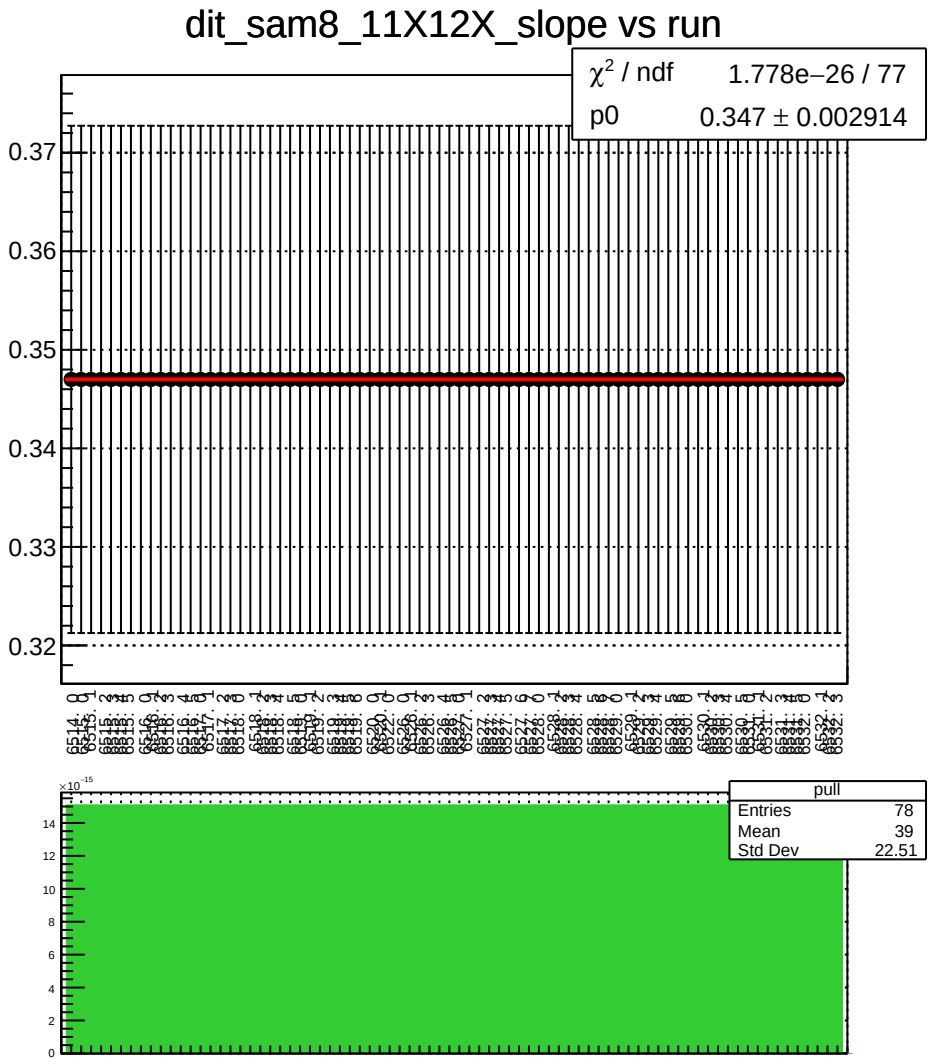

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.516e−26 / 77
p0 59.89 ± 0.2886
62
61
60
59
58
57
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
14
12
10
8
6
4
2
0

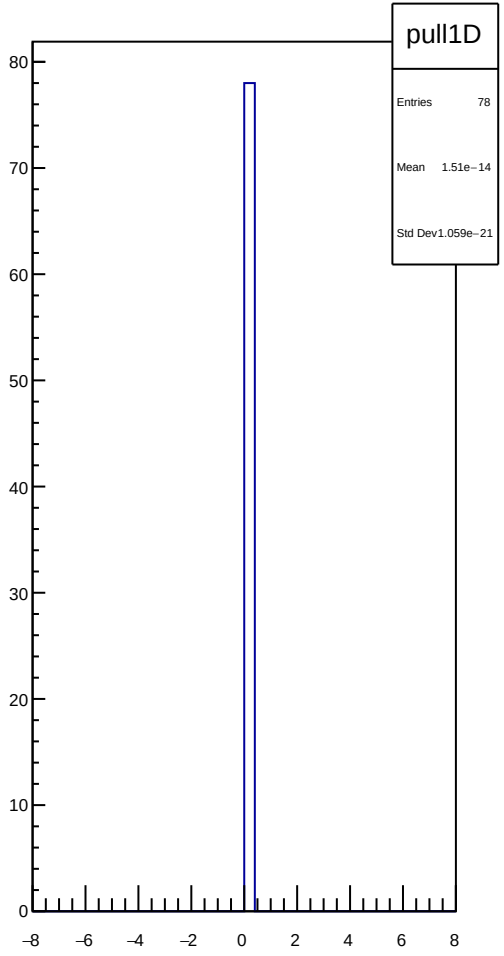

pull1D
Entries 78
Mean 1.394e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

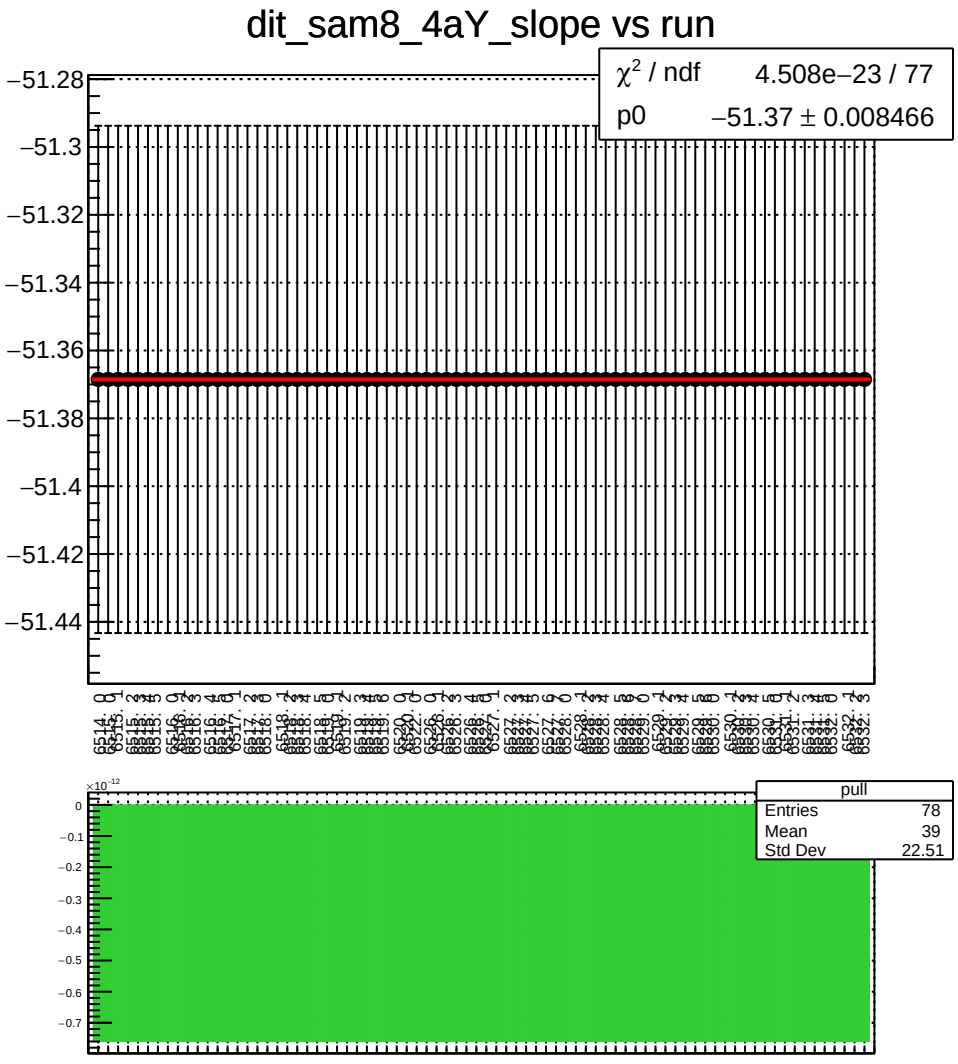
dit_sam8_4eX_slope vs run

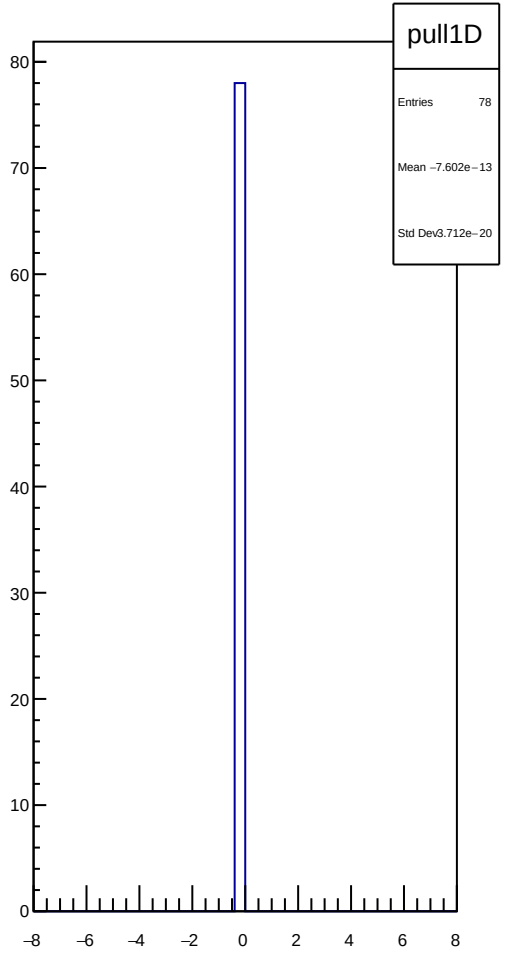


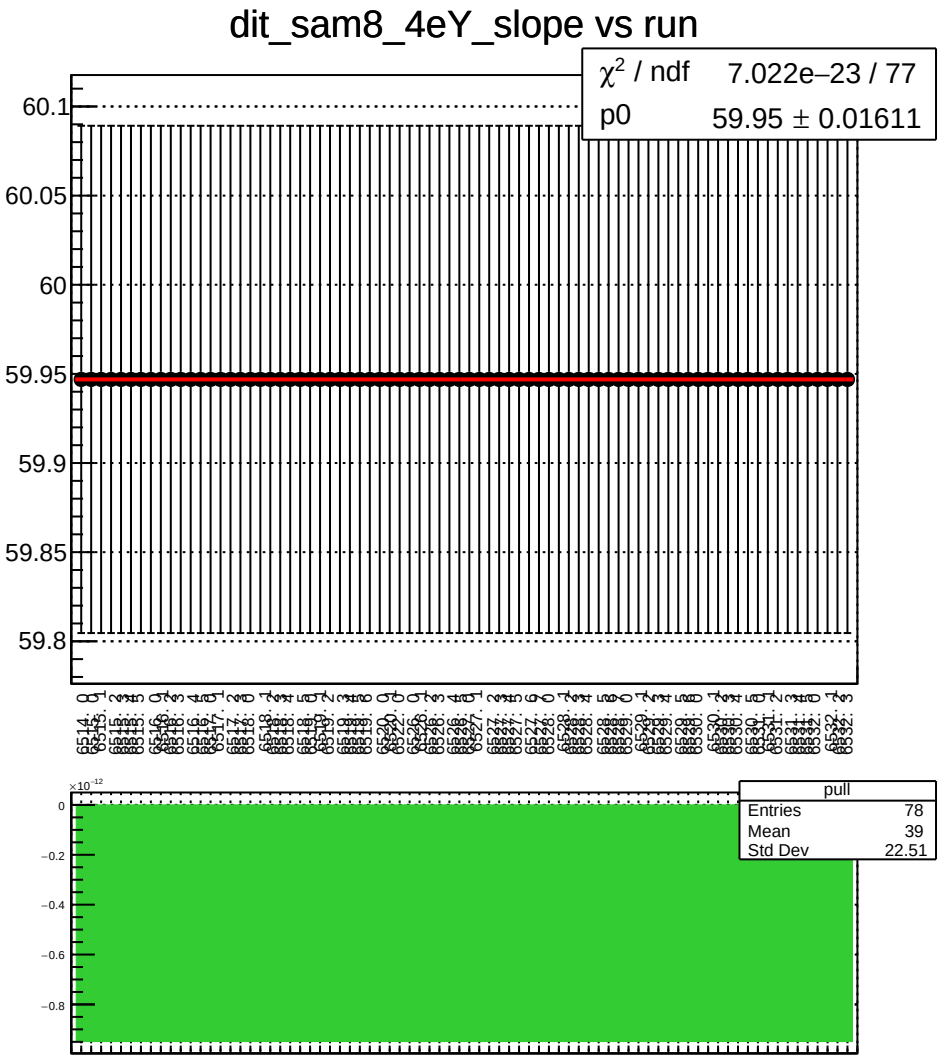


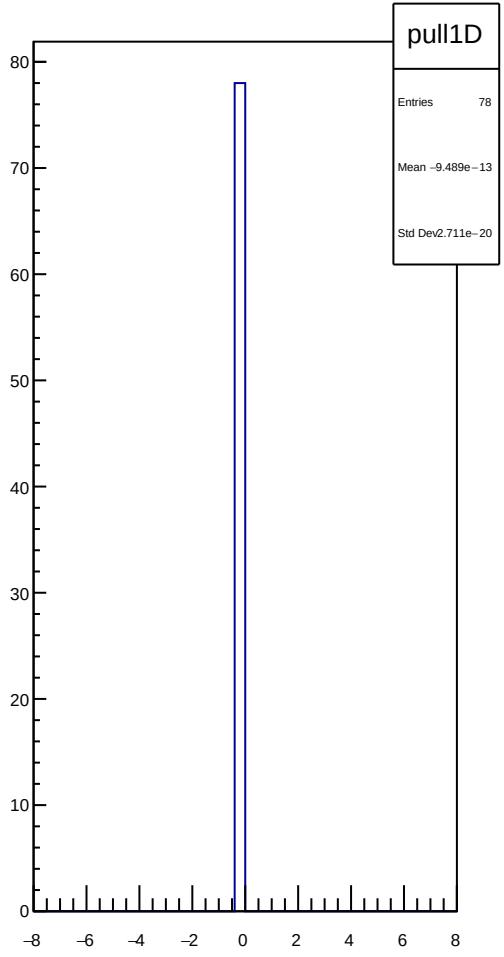

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.778e−26 / 77
p0 0.347 ± 0.002914
0.37
0.36
0.35
0.34
0.33
0.32
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
14
12
10
8
6
4
2
0

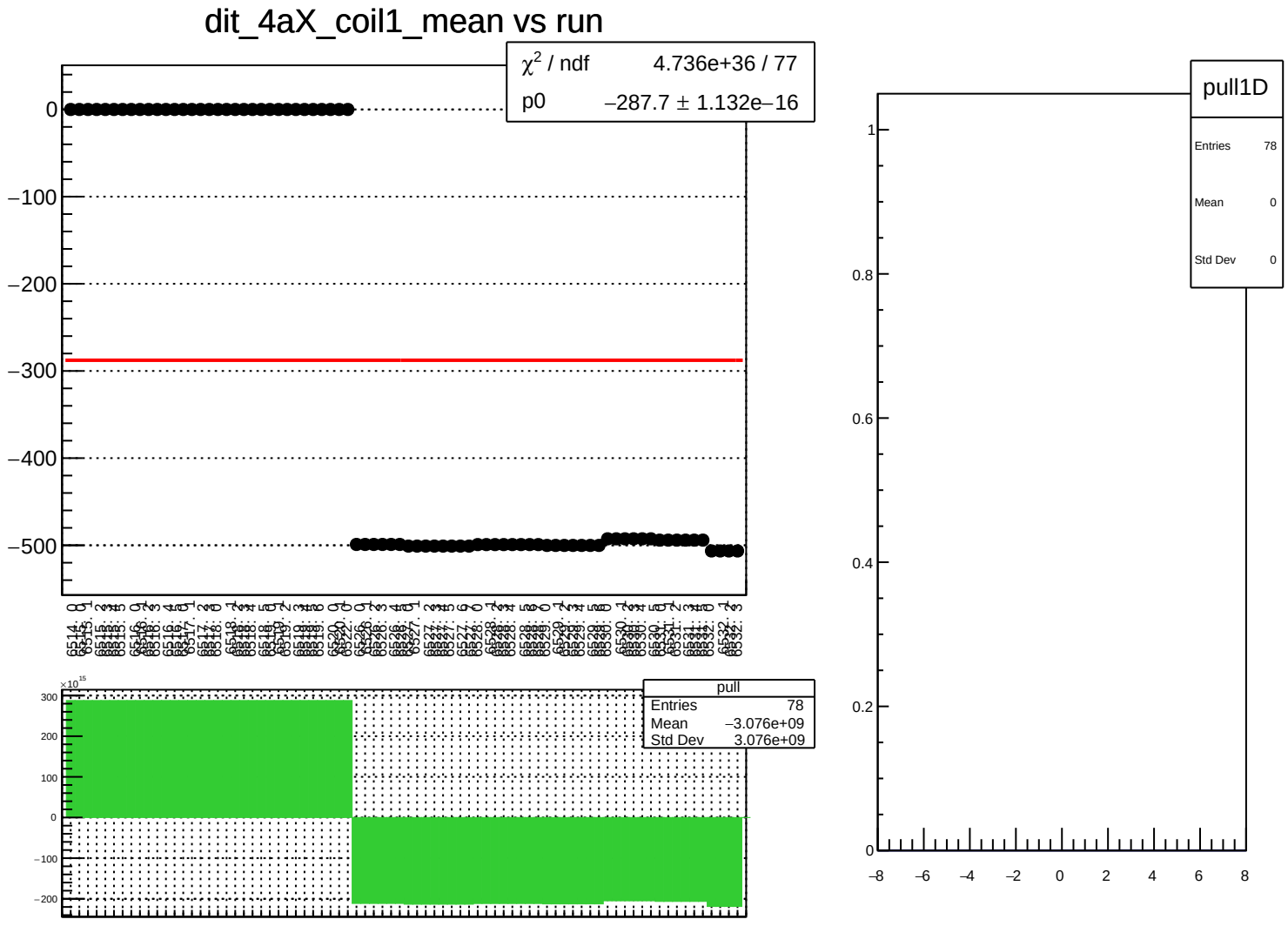

pull1D
Entries 78
Mean 1.51e−14
Std Dev 1.059e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ^2 / ndf 4.508e−23 / 77
p0 −51.37 ± 0.008466
−51.28
−51.3
−51.32
−51.34
−51.36
−51.38
−51.4
−51.42
−51.44
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7

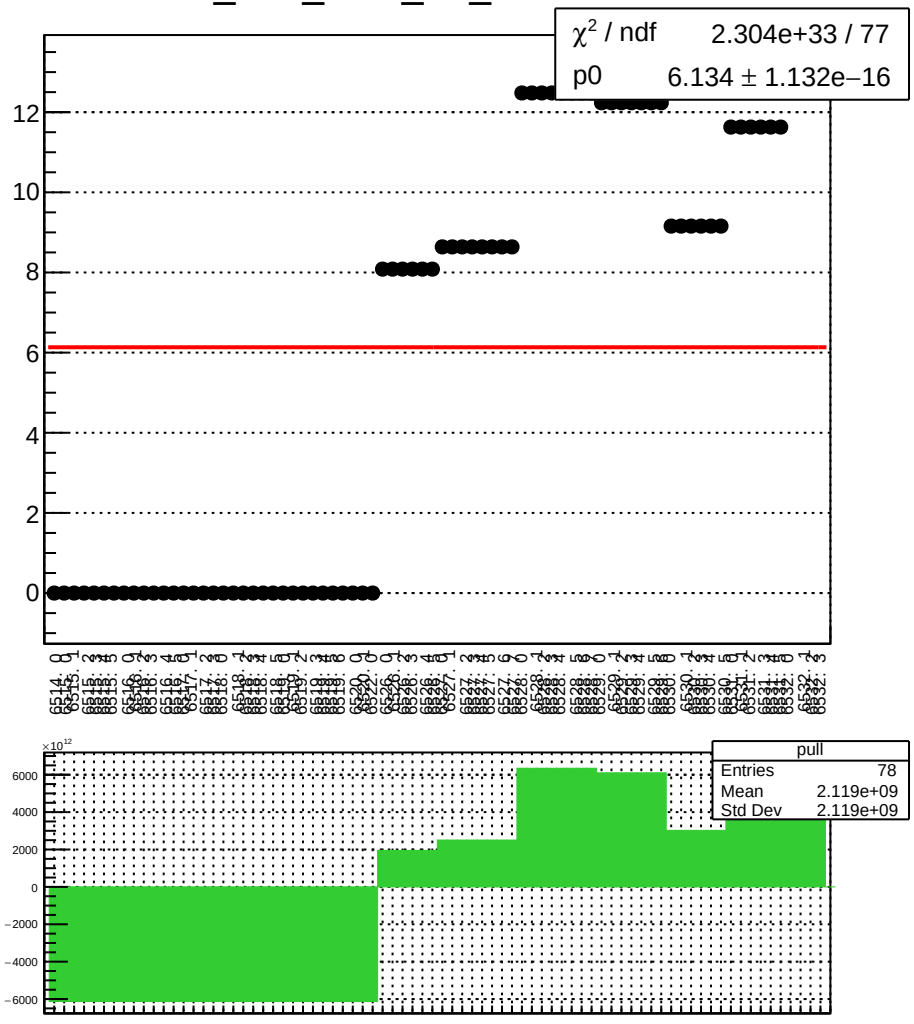

pull1D
Entries 78
Mean −7.602e−13
Std Dev 3.712e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

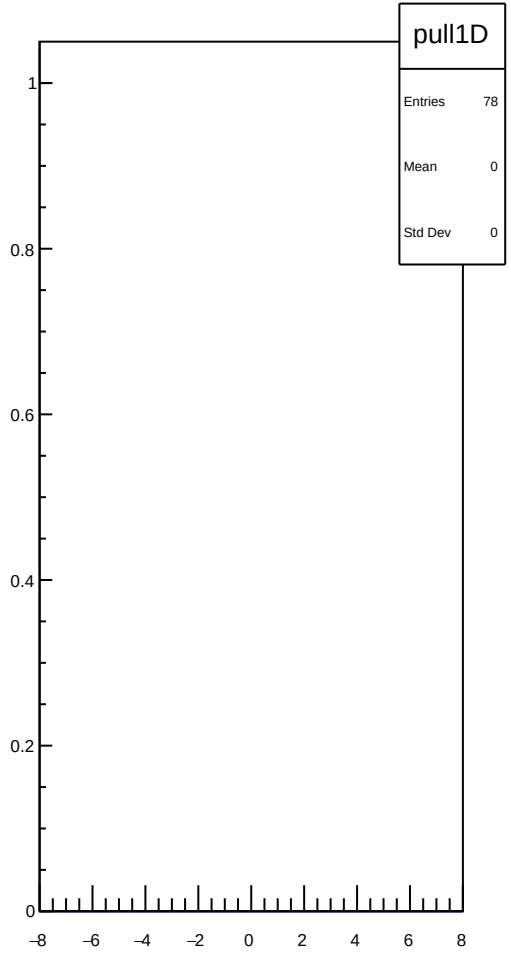

dit_sam8_4eY_slope vs run
χ^2 / ndf 7.022e−23 / 77
p0 59.95 ± 0.01611
60.1
60.05
60
59.95
59.9
59.85
59.8
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.2
−0.4
−0.6
−0.8


pull1D
Entries 78
Mean −9.489e−13
Std Dev 2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

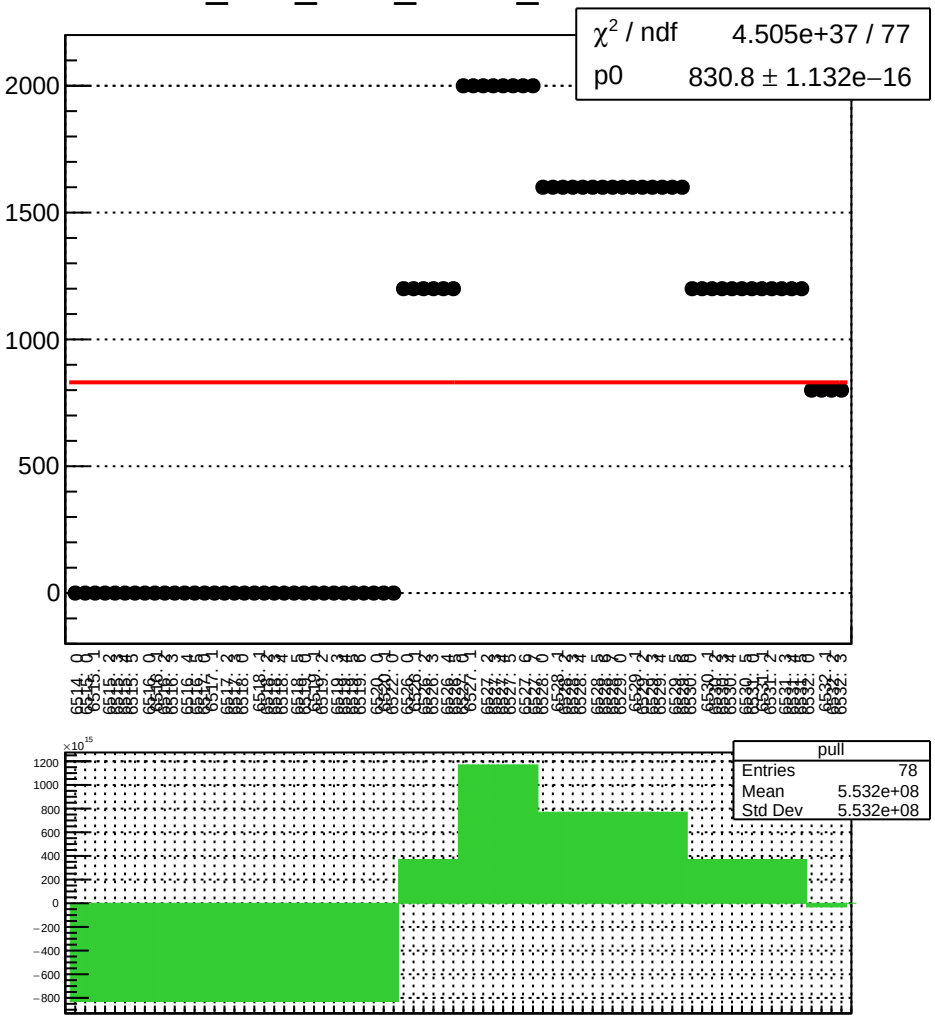

dit_4aX_coil1_mean vs run
χ² / ndf 4.736e+36 / 77
p0 −287.7 ± 1.132e−16
0
−100
−200
−300
−400
−500
pull
Entries 78
Mean −3.076e+09
Std Dev 3.076e+09
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

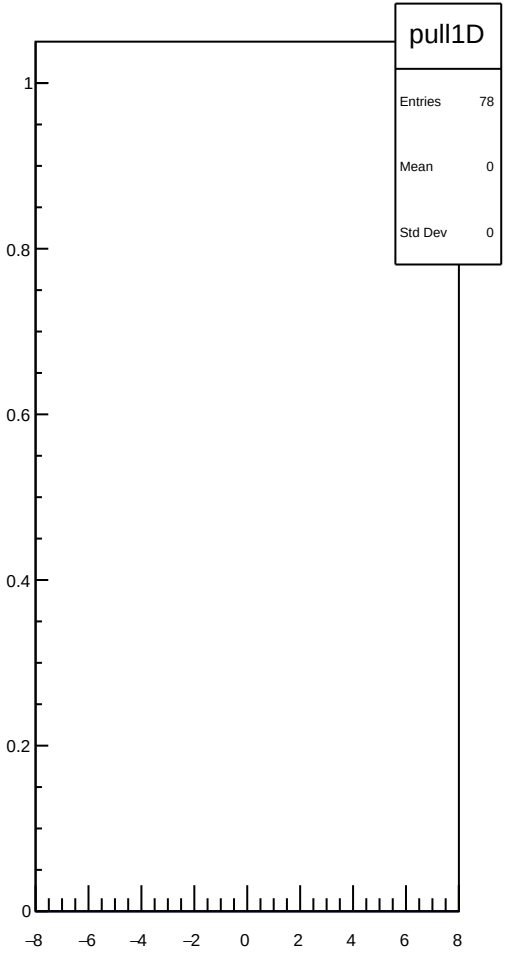
dit_4aX_coil1_err_mean vs run



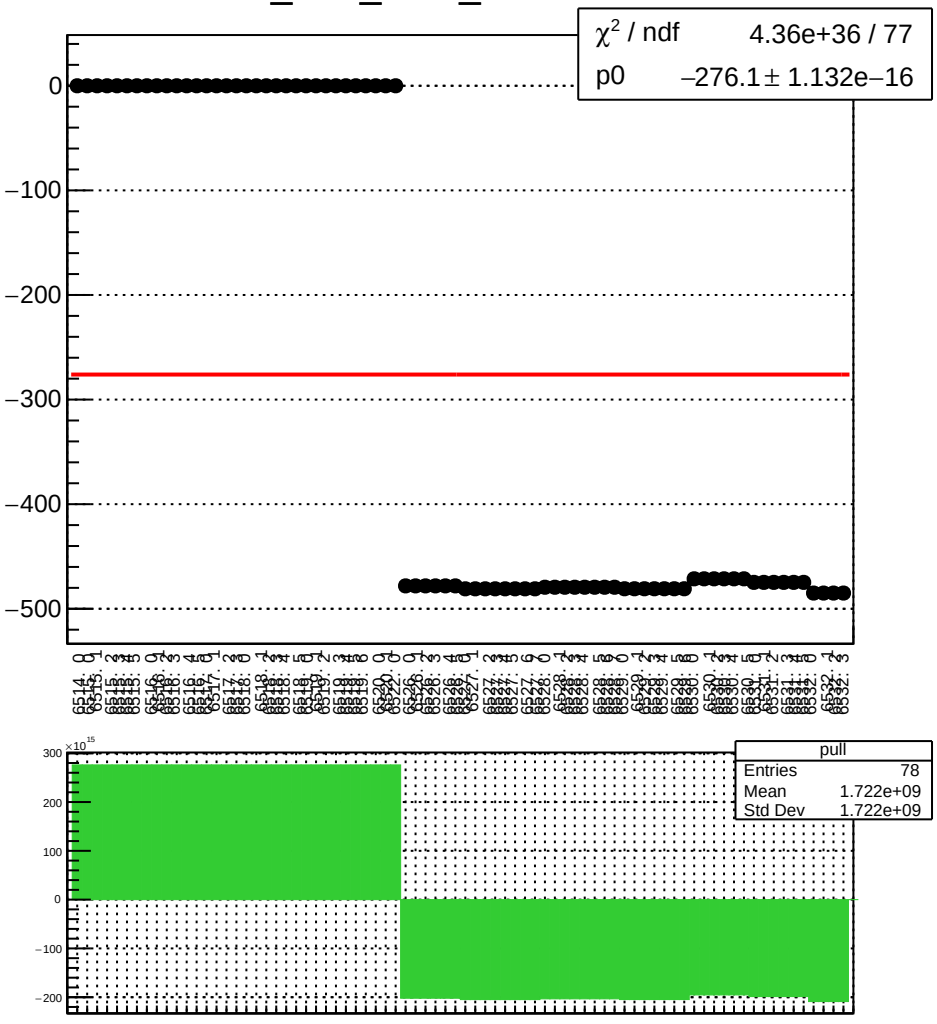


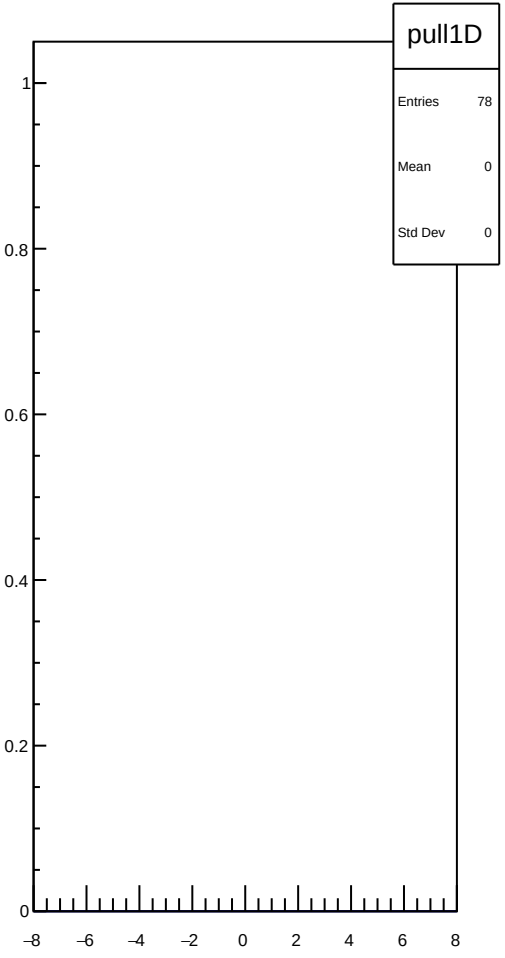
dit_4aX_coil1_Ndata_mean vs run



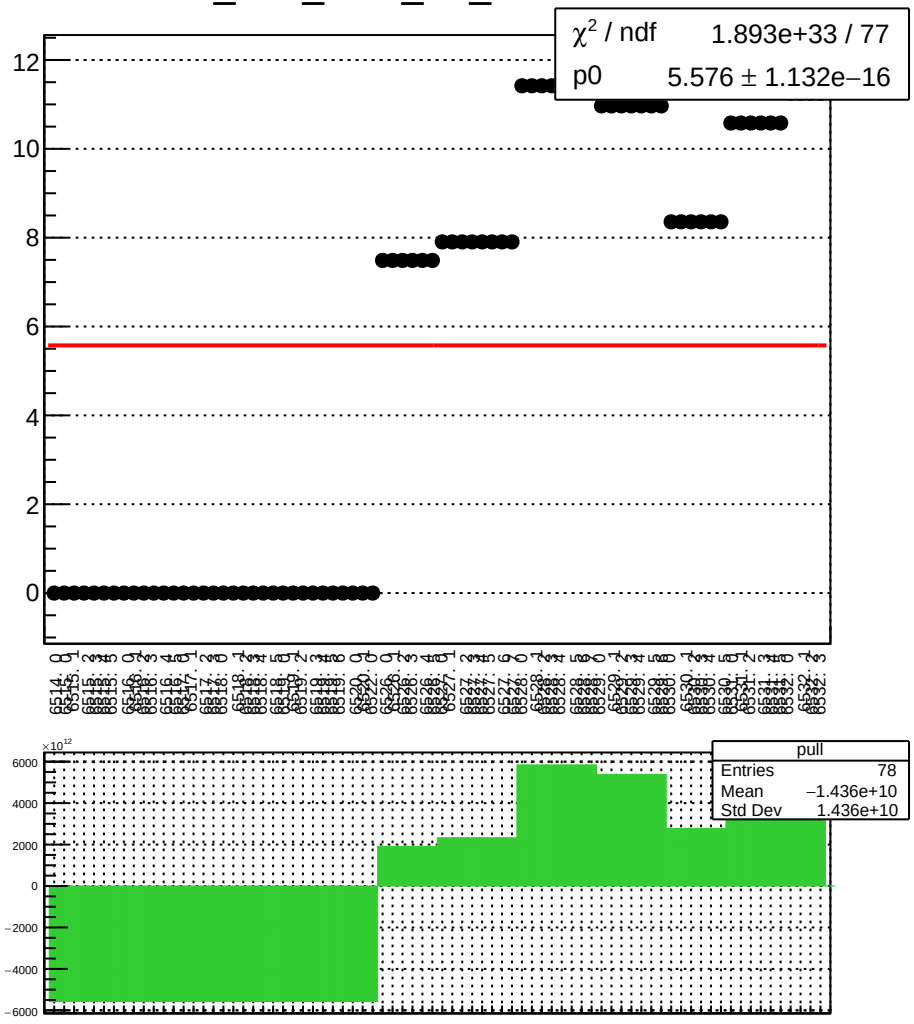


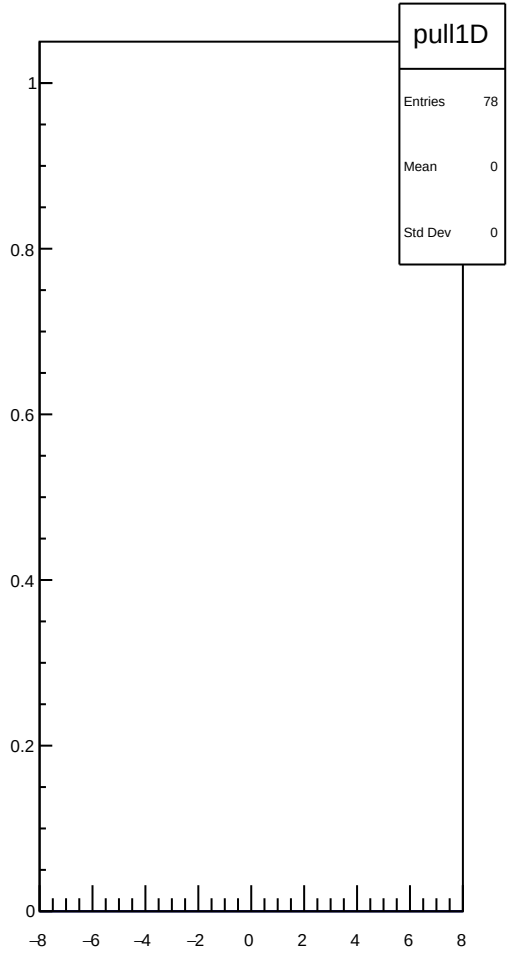
dit_4eX_coil1_mean vs run



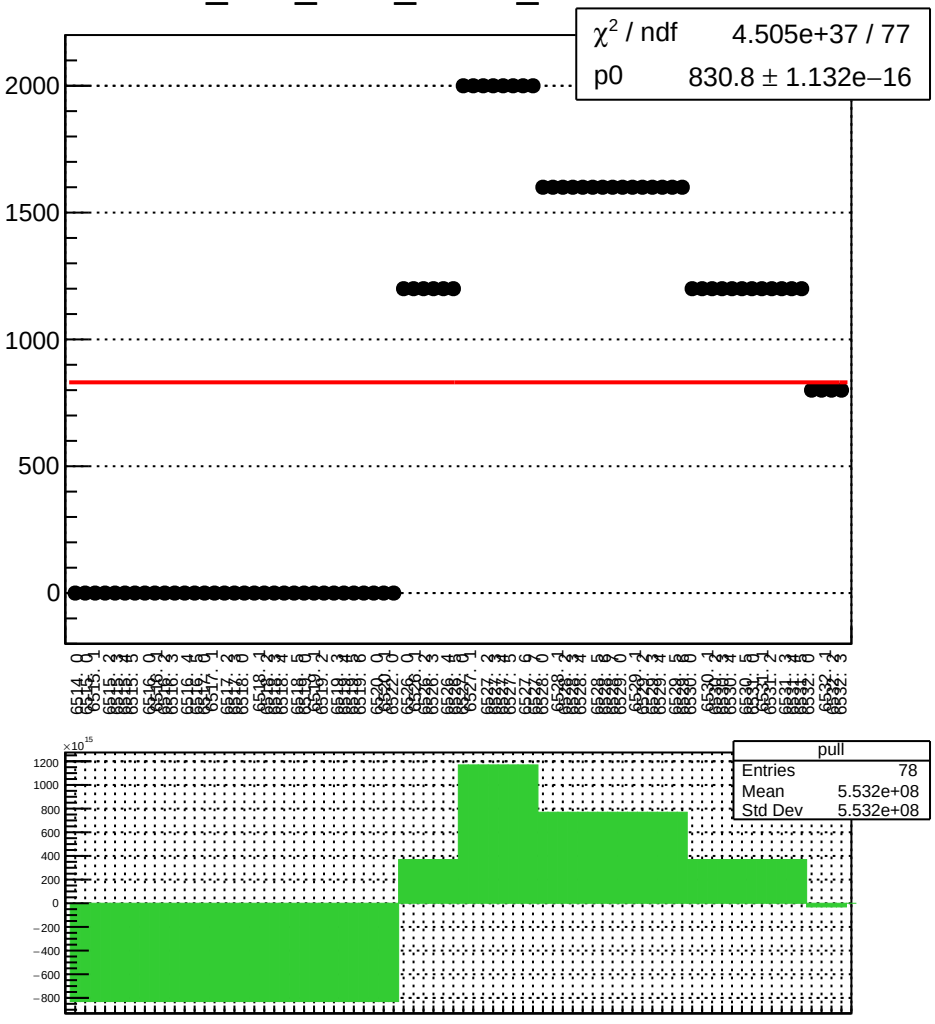


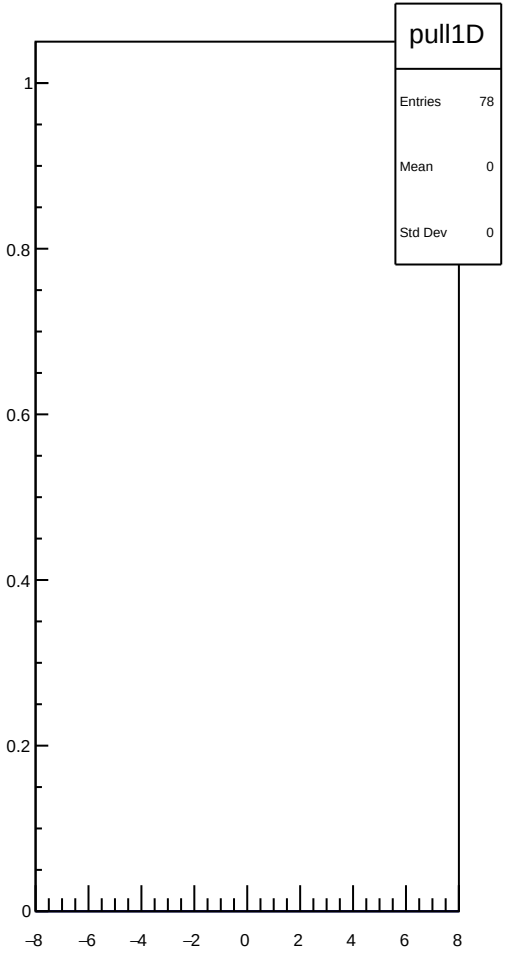
dit_4eX_coil1_err_mean vs run

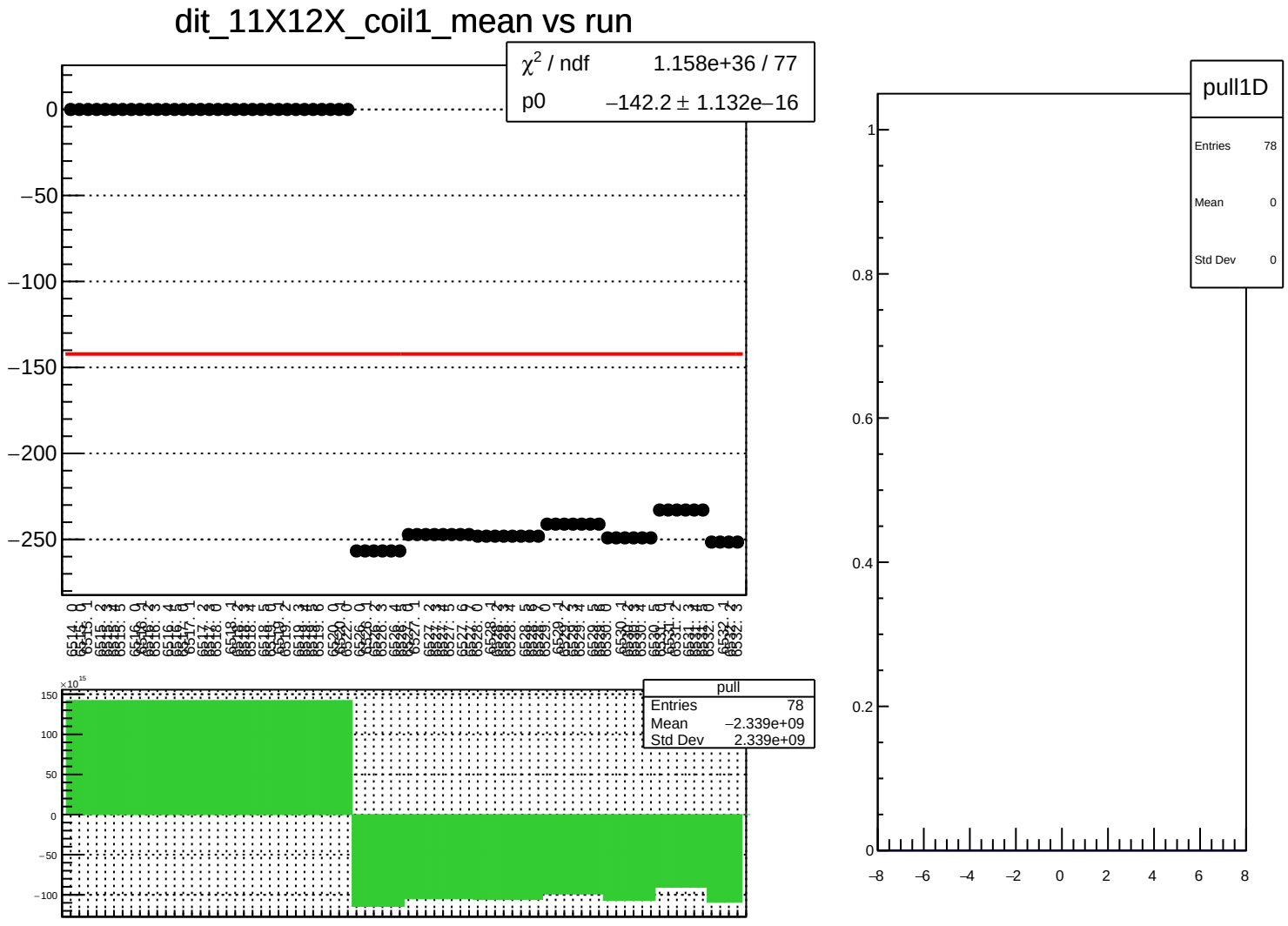




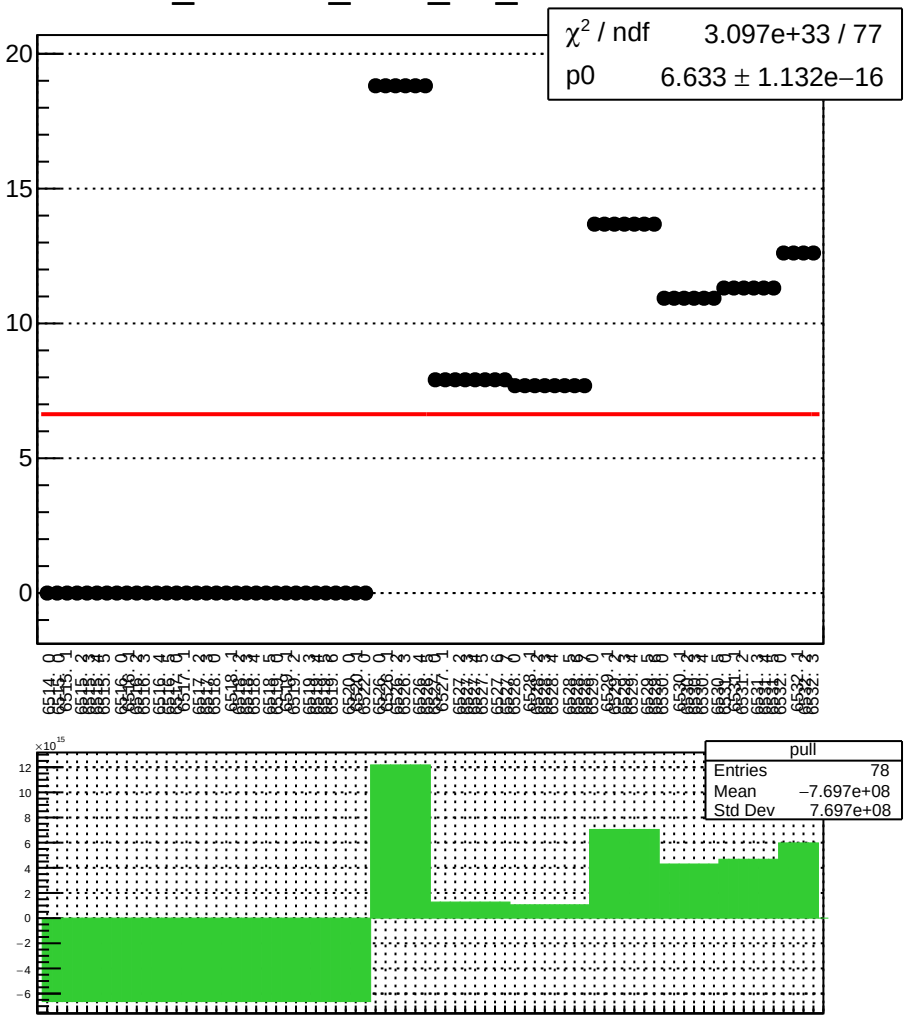
dit_4eX_coil1_Ndata_mean vs run

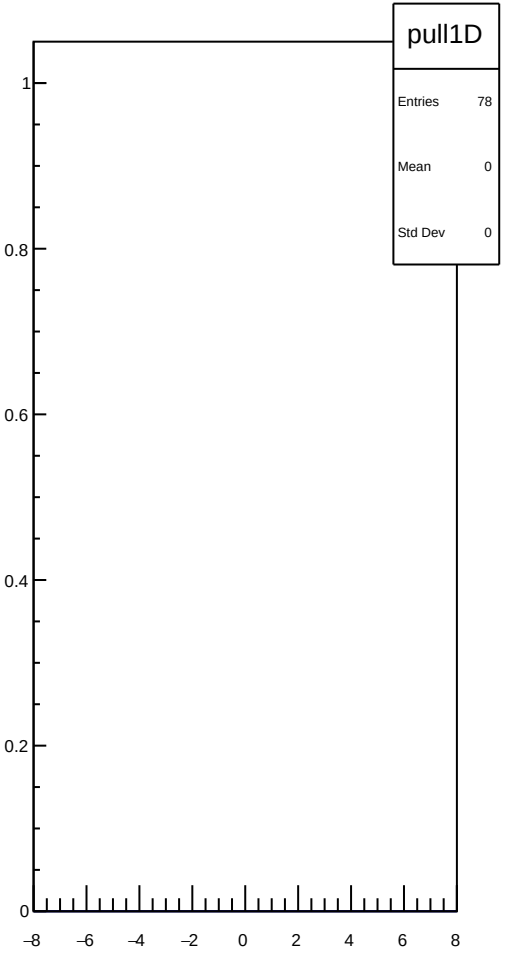




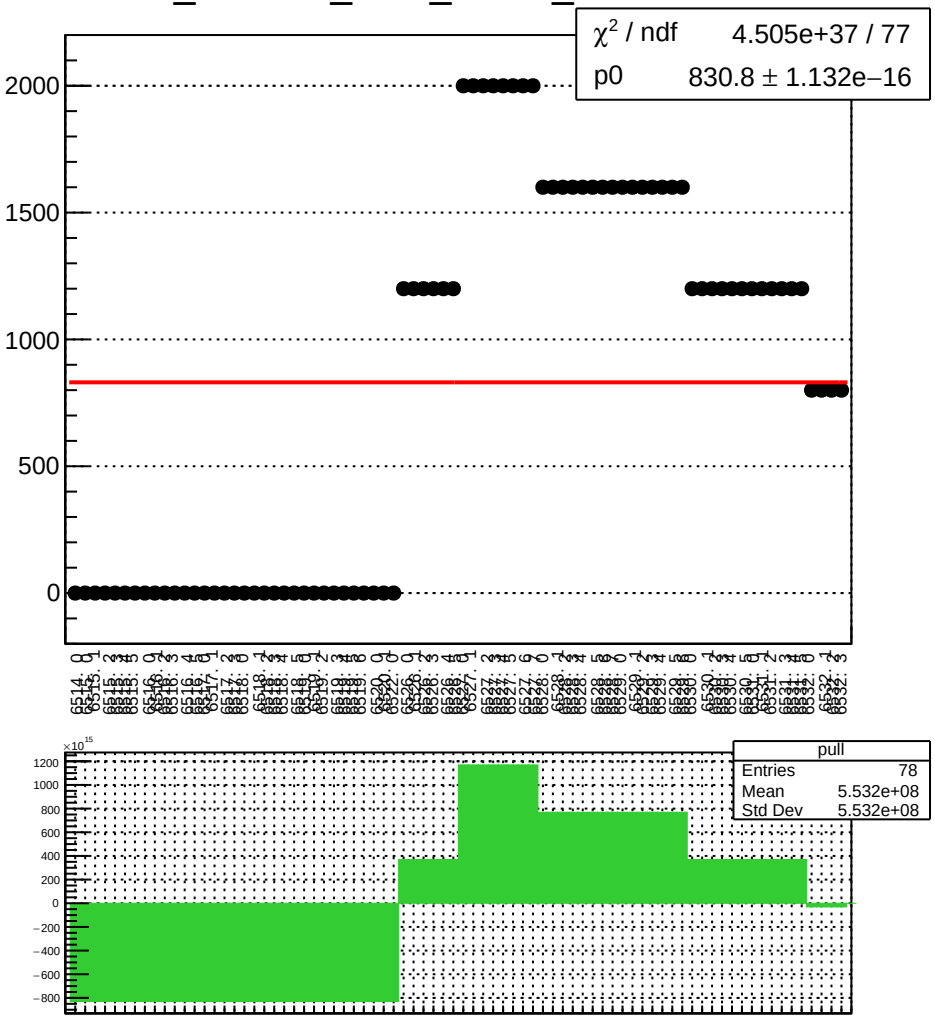

dit_11X12X_coil1_mean vs run
χ^2 / ndf 1.158e+36 / 77
p0 −142.2 ± 1.132e−16
0
−50
−100
−150
−200
−250
pull
Entries 78
Mean −2.339e+09
Std Dev 2.339e+09
150
100
50
0
−50
−100
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

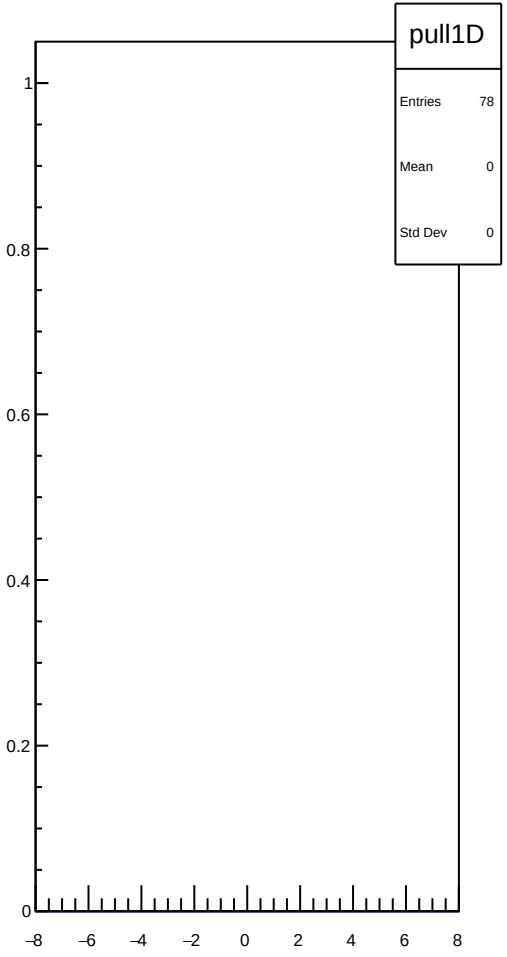
dit_11X12X_coil1_err_mean vs run

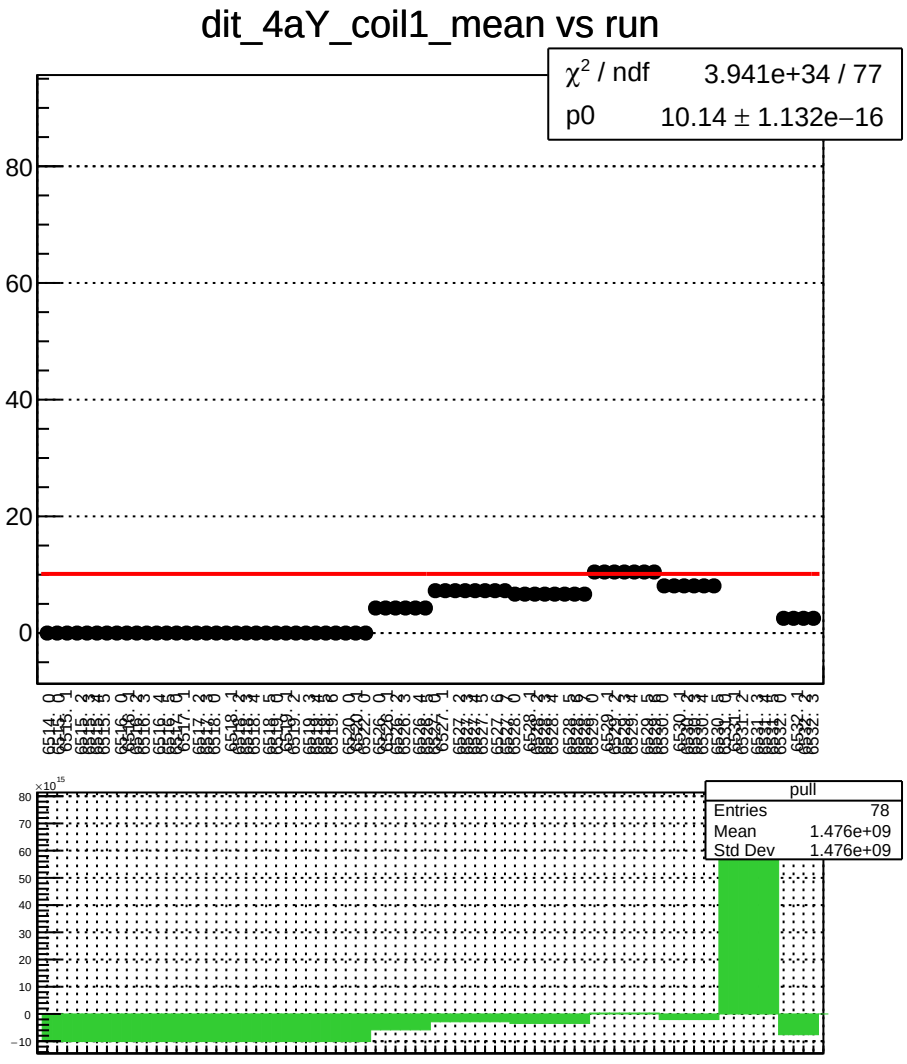


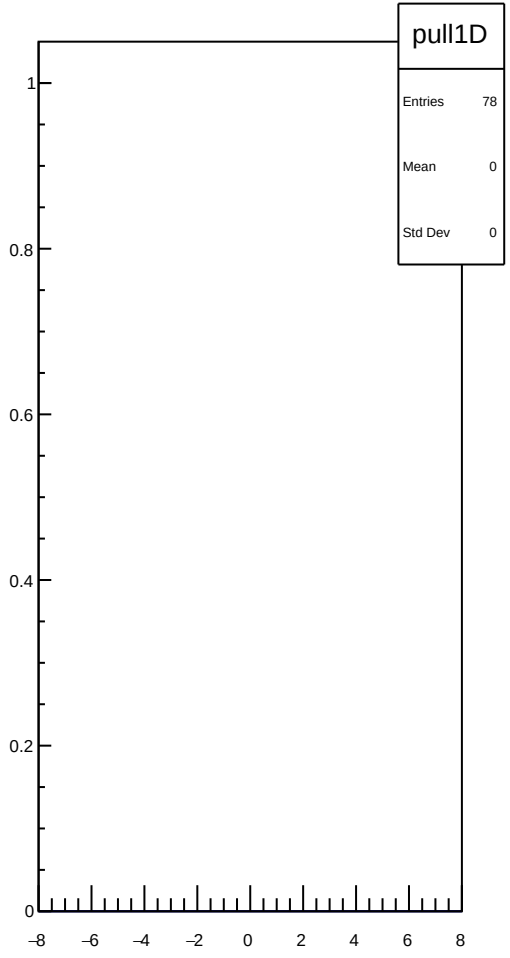


dit_11X12X_coil1_Ndata_mean vs run

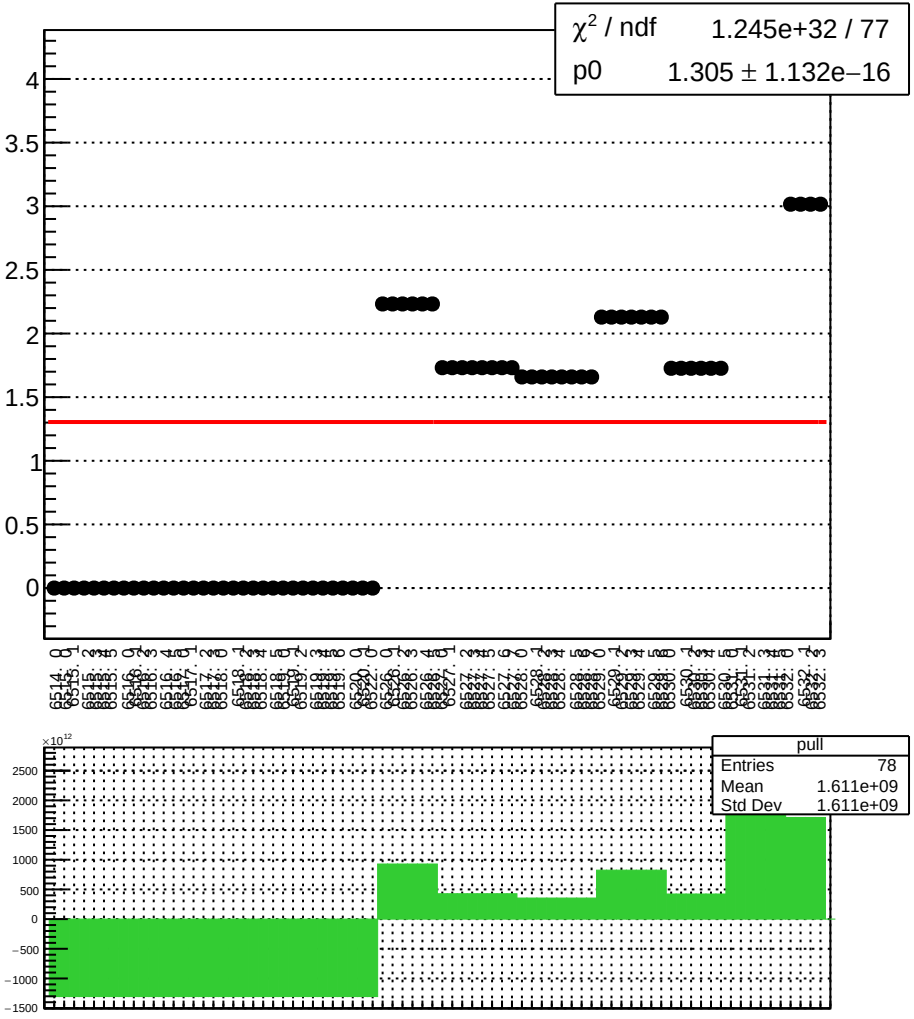


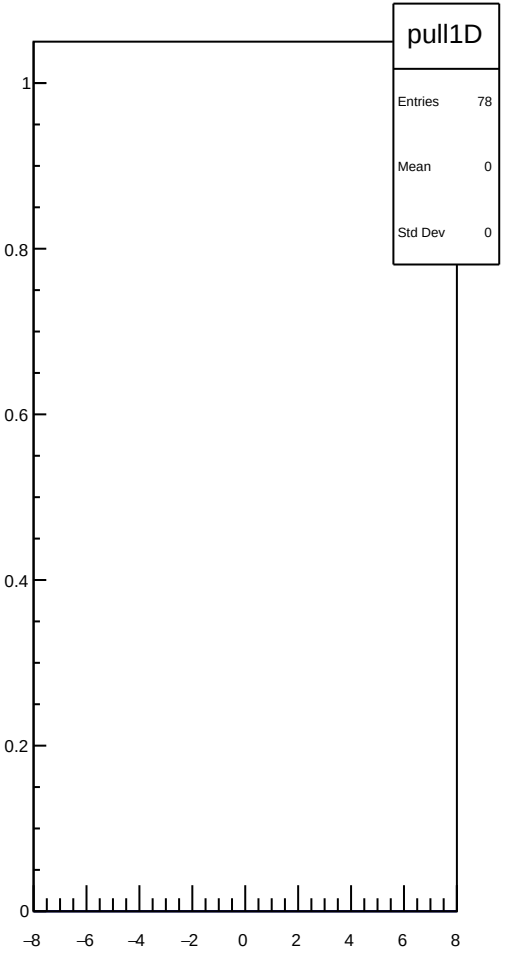



dit_4aY_coil1_mean vs run
χ^2 / ndf 3.941e+34 / 77
p0 10.14 ± 1.132e−16
pull
Entries 78
Mean 1.476e+09
Std Dev 1.476e+09

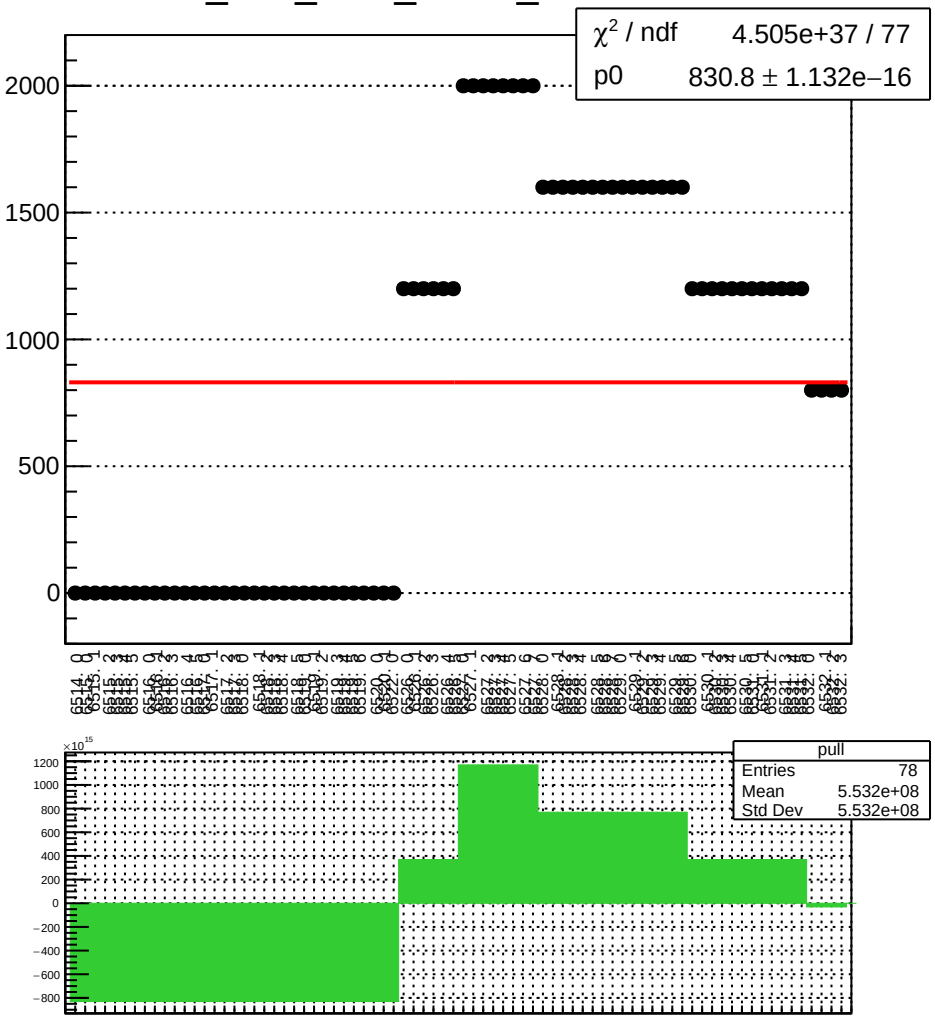

pull1D
Entries 78
Mean 0
Std Dev 0

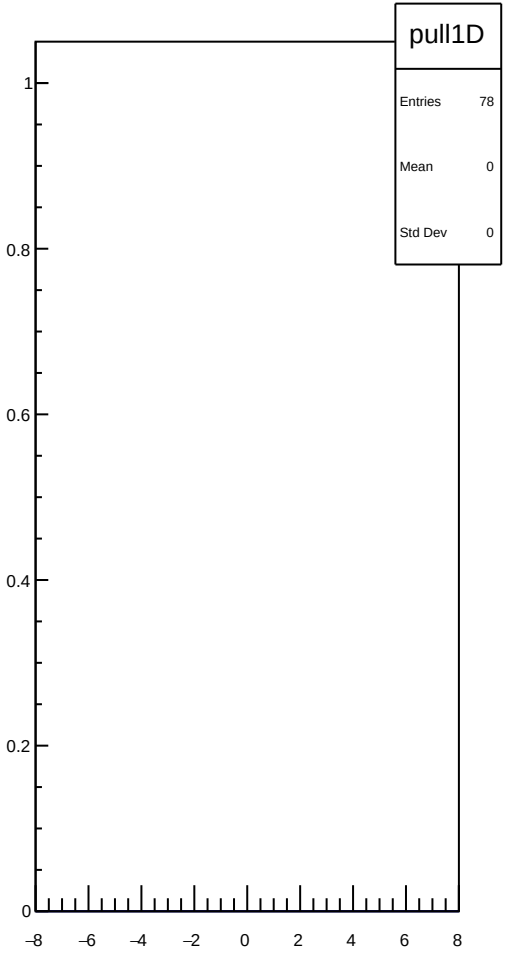
dit_4aY_coil1_err_mean vs run

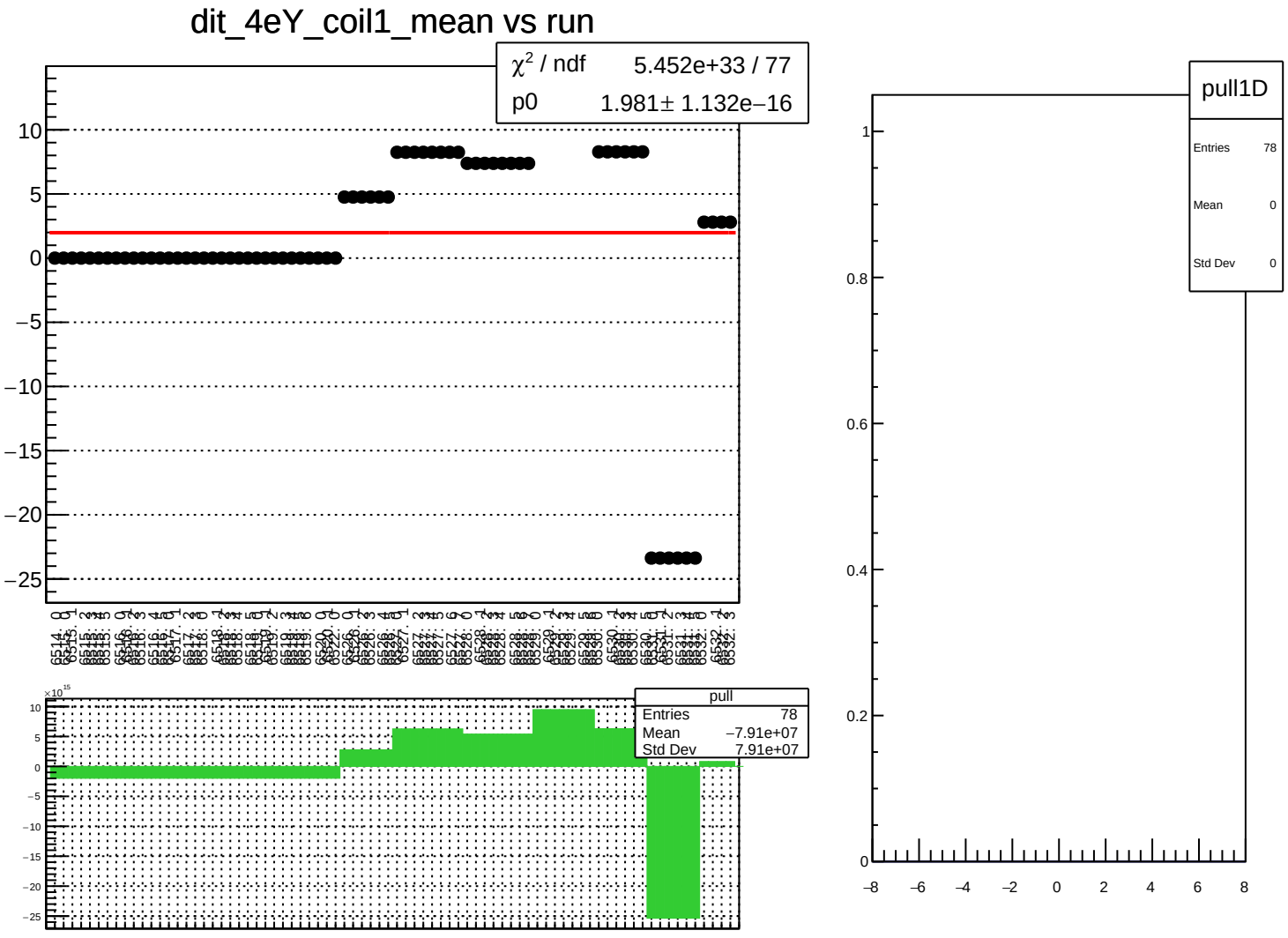




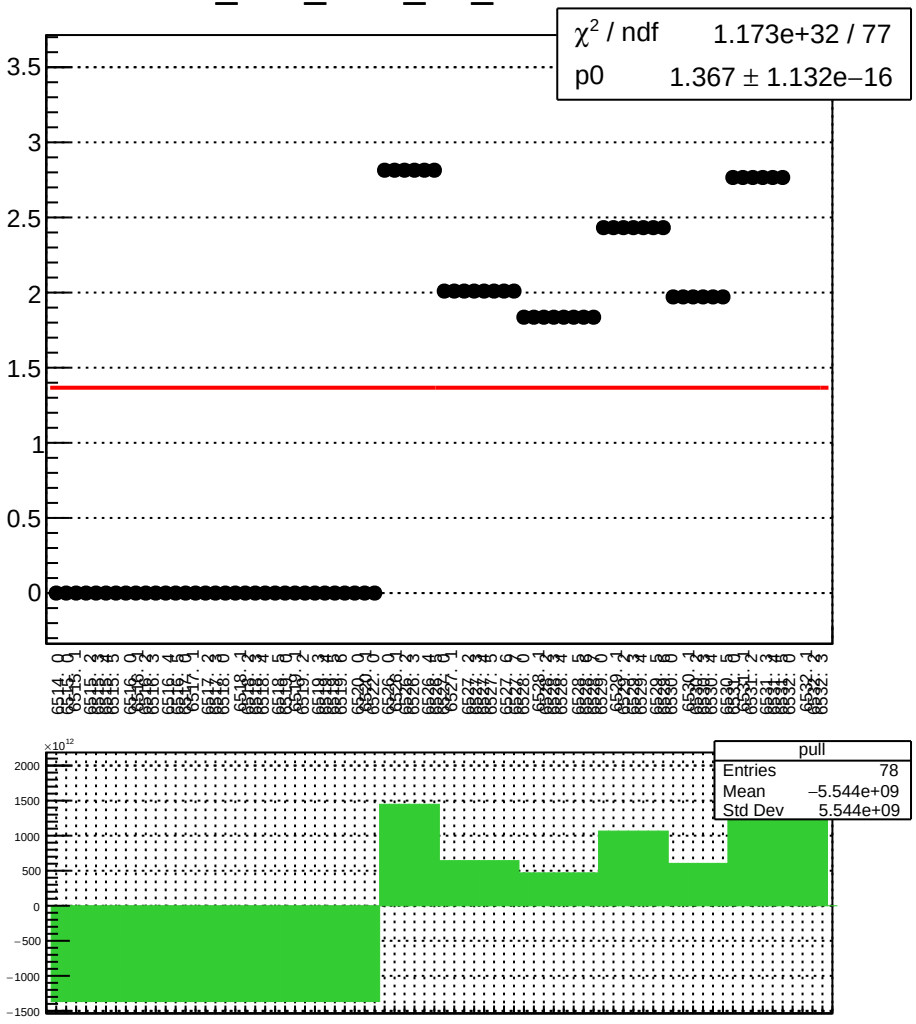
dit_4aY_coil1_Ndata_mean vs run

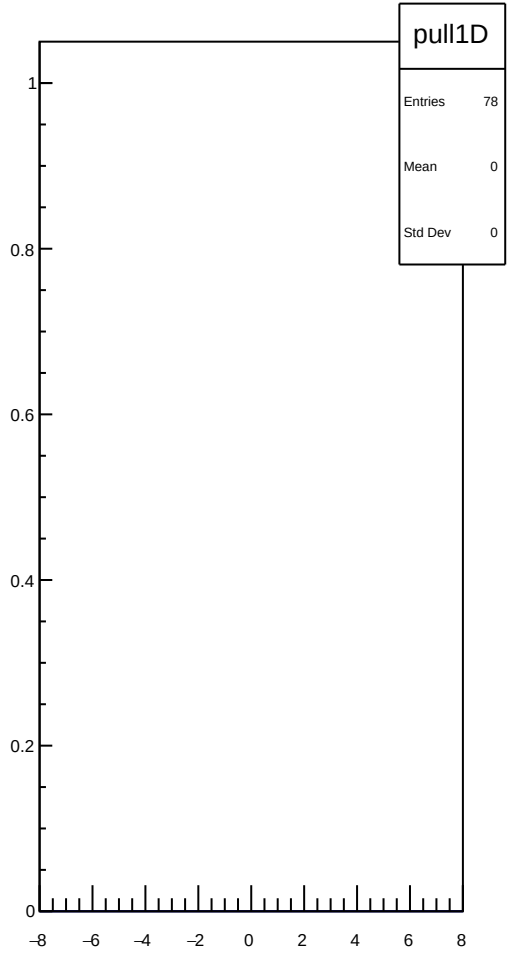




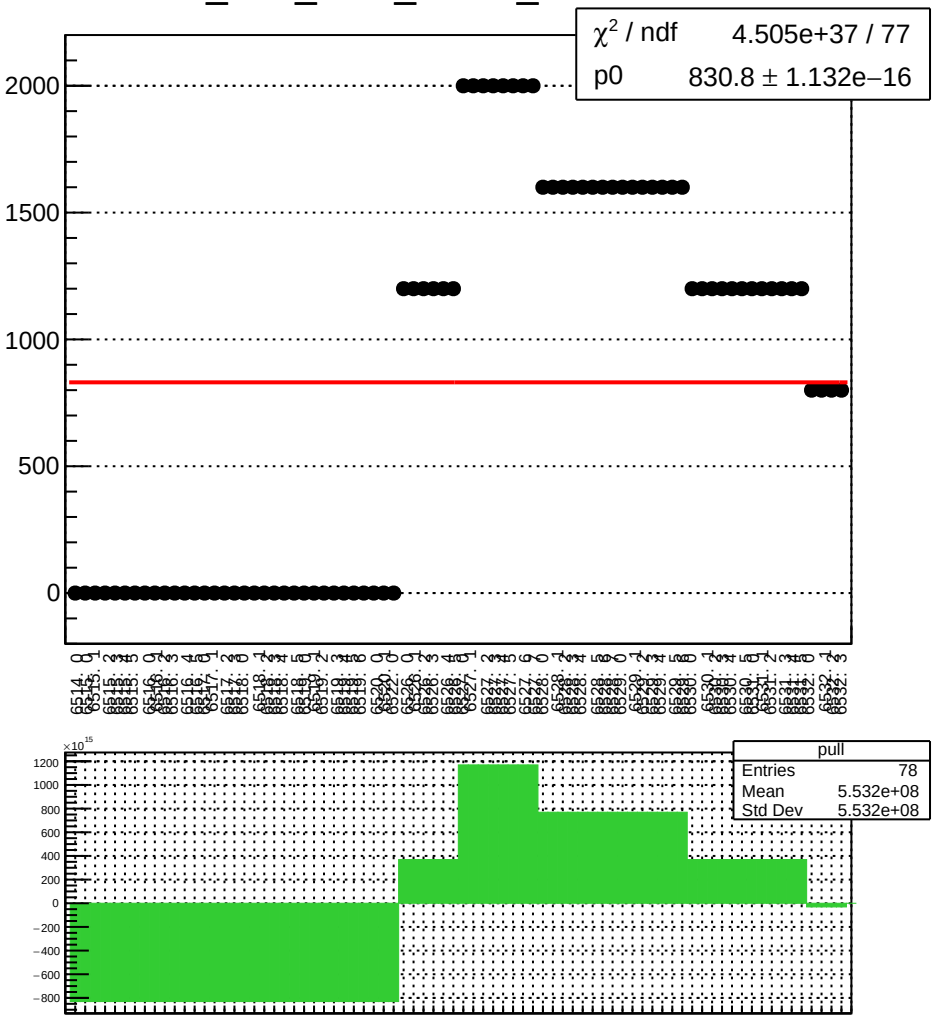

dit_4eY_coil1_mean vs run
χ² / ndf 5.452e+33 / 77
p0 1.981± 1.132e−16
pull
Entries 78
Mean −7.91e+07
Std Dev 7.91e+07
pull1D
Entries 78
Mean 0
Std Dev 0

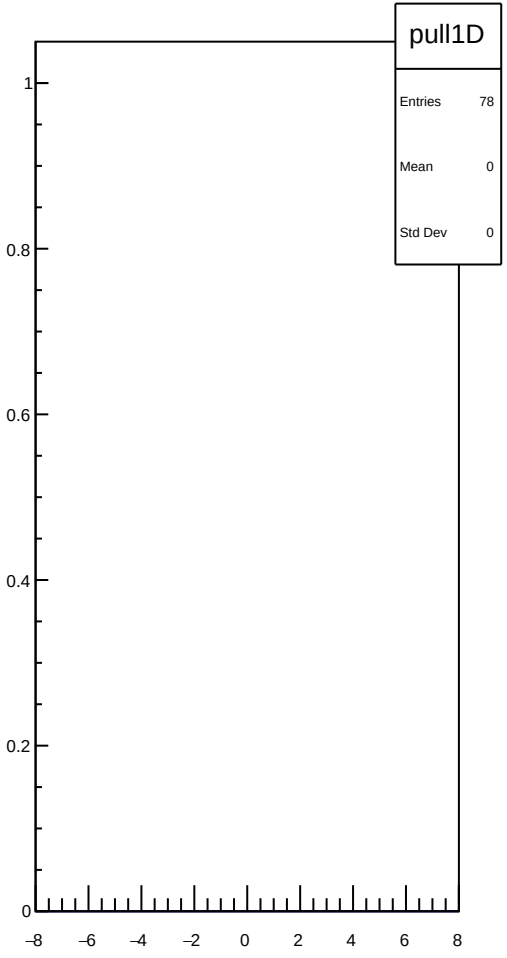
dit_4eY_coil1_err_mean vs run

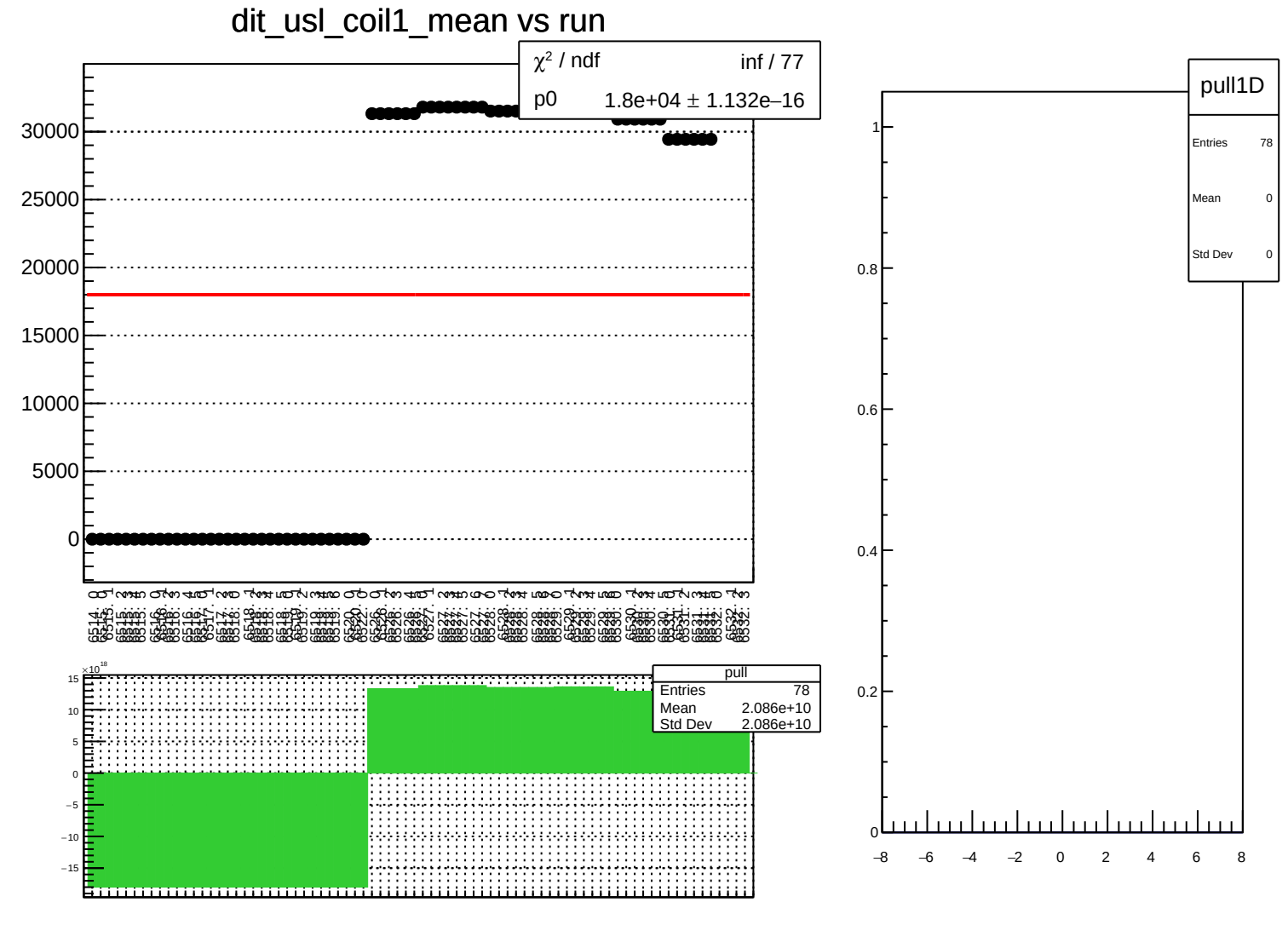




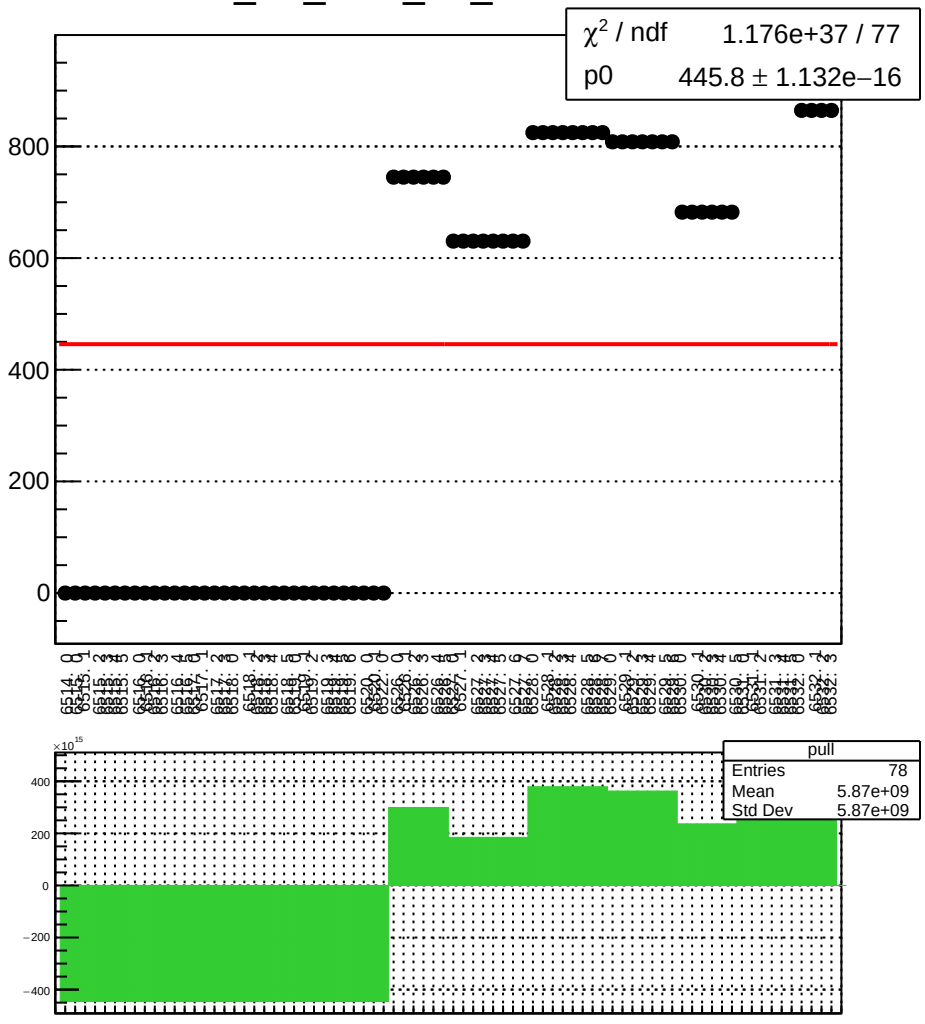
dit_4eY_coil1_Ndata_mean vs run

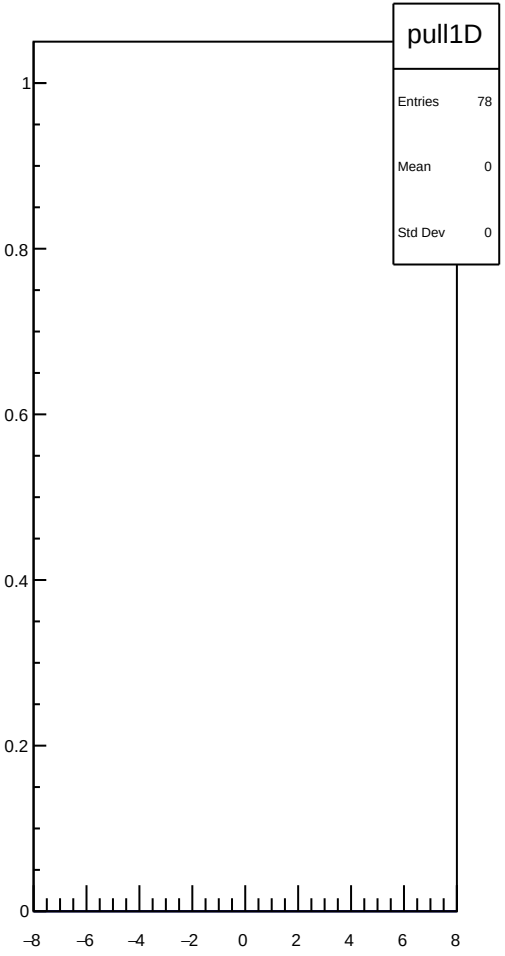




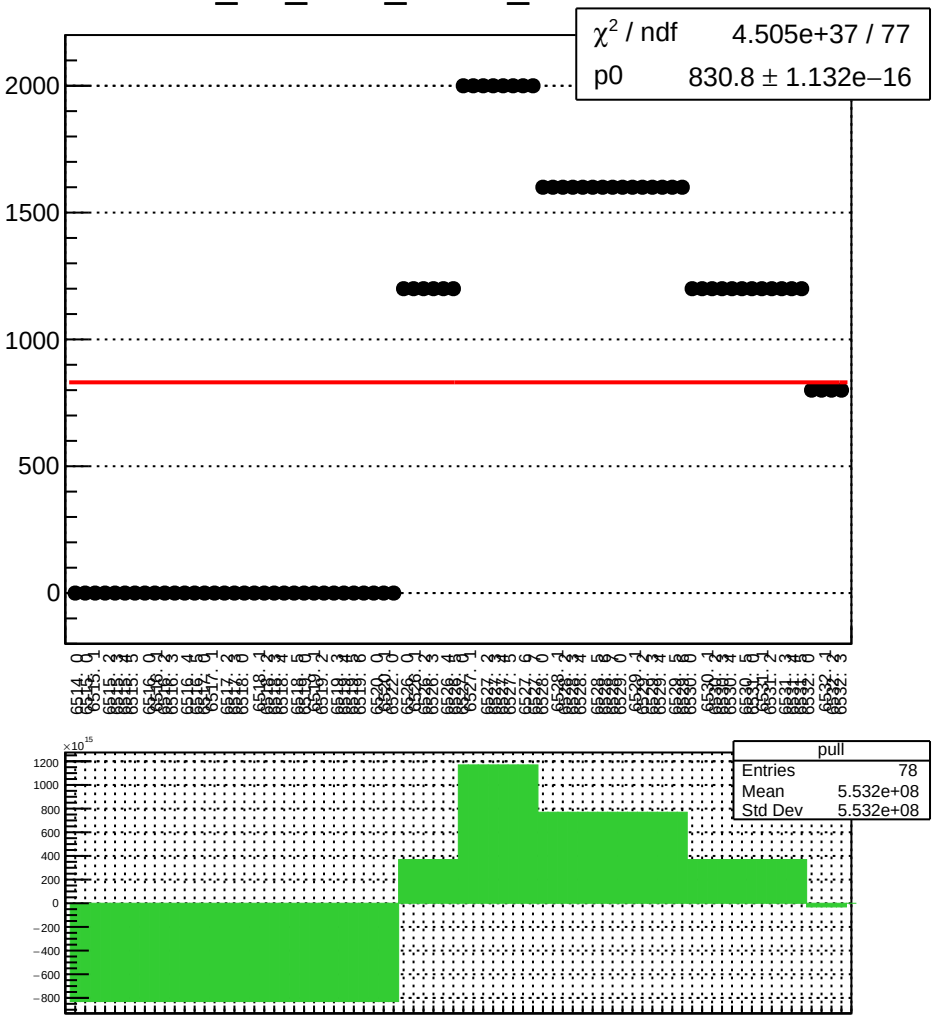

dit_usl_coil1_mean vs run
χ² / ndf inf / 77
p0 1.8e+04 ± 1.132e–16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.086e+10
Std Dev 2.086e+10
×10^18
15
10
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

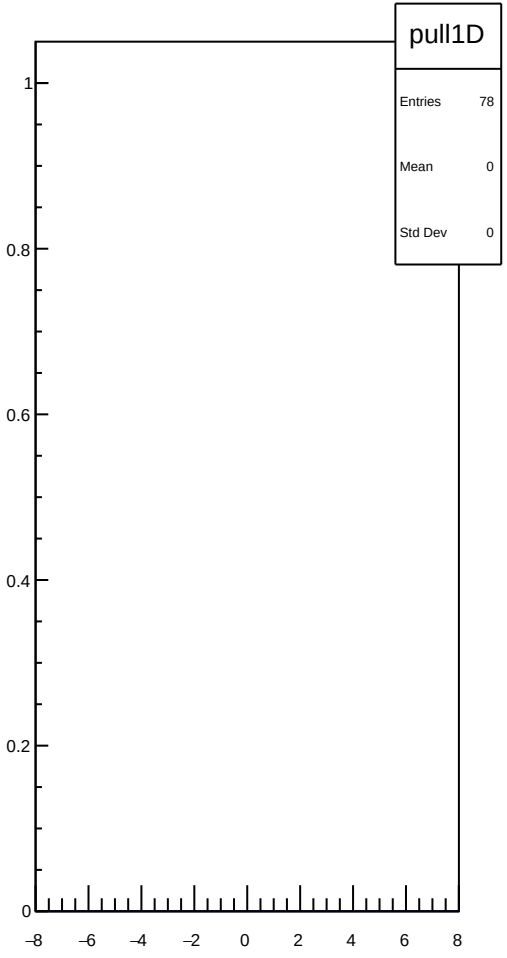
dit_usl_coil1_err_mean vs run

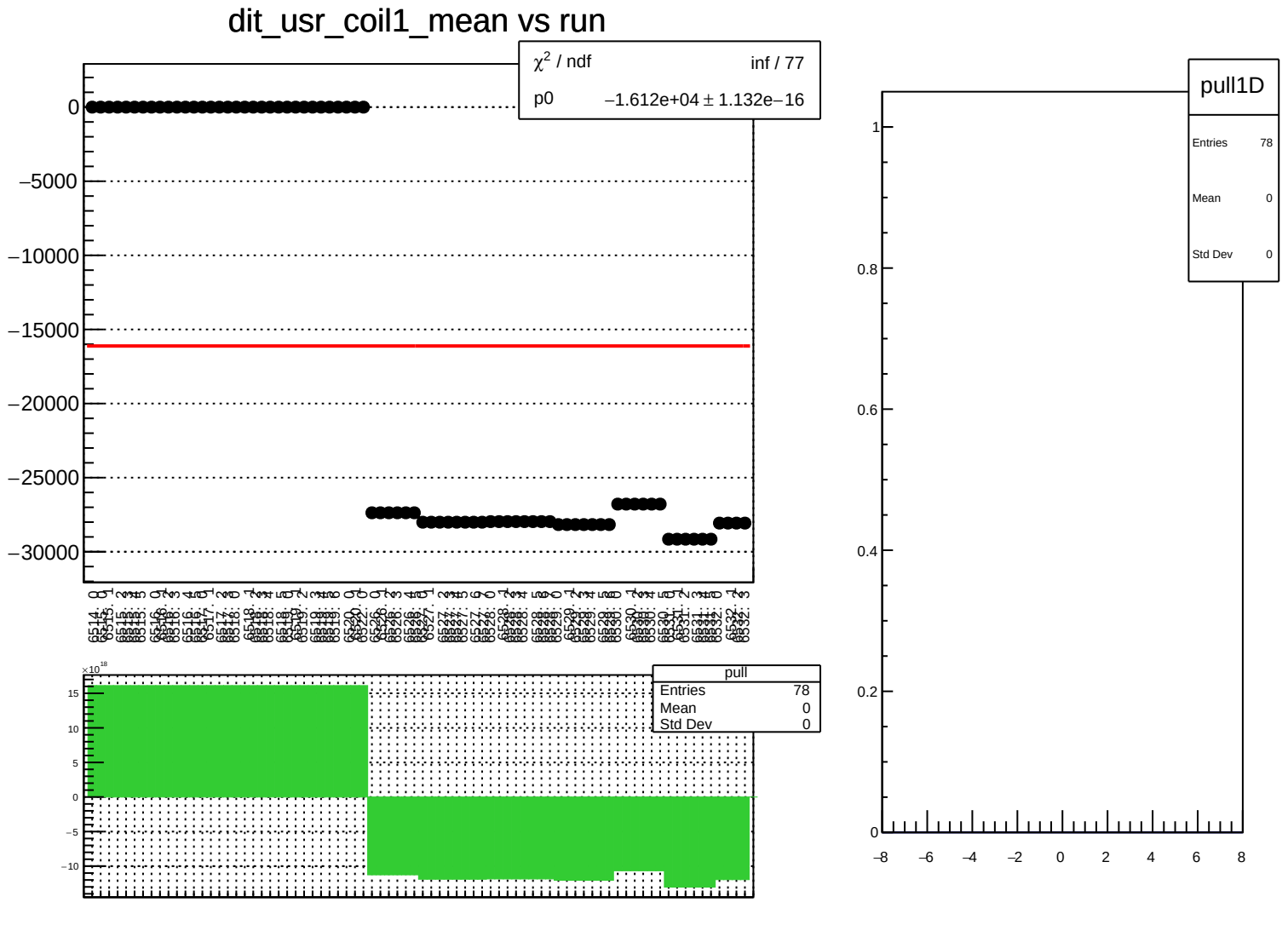


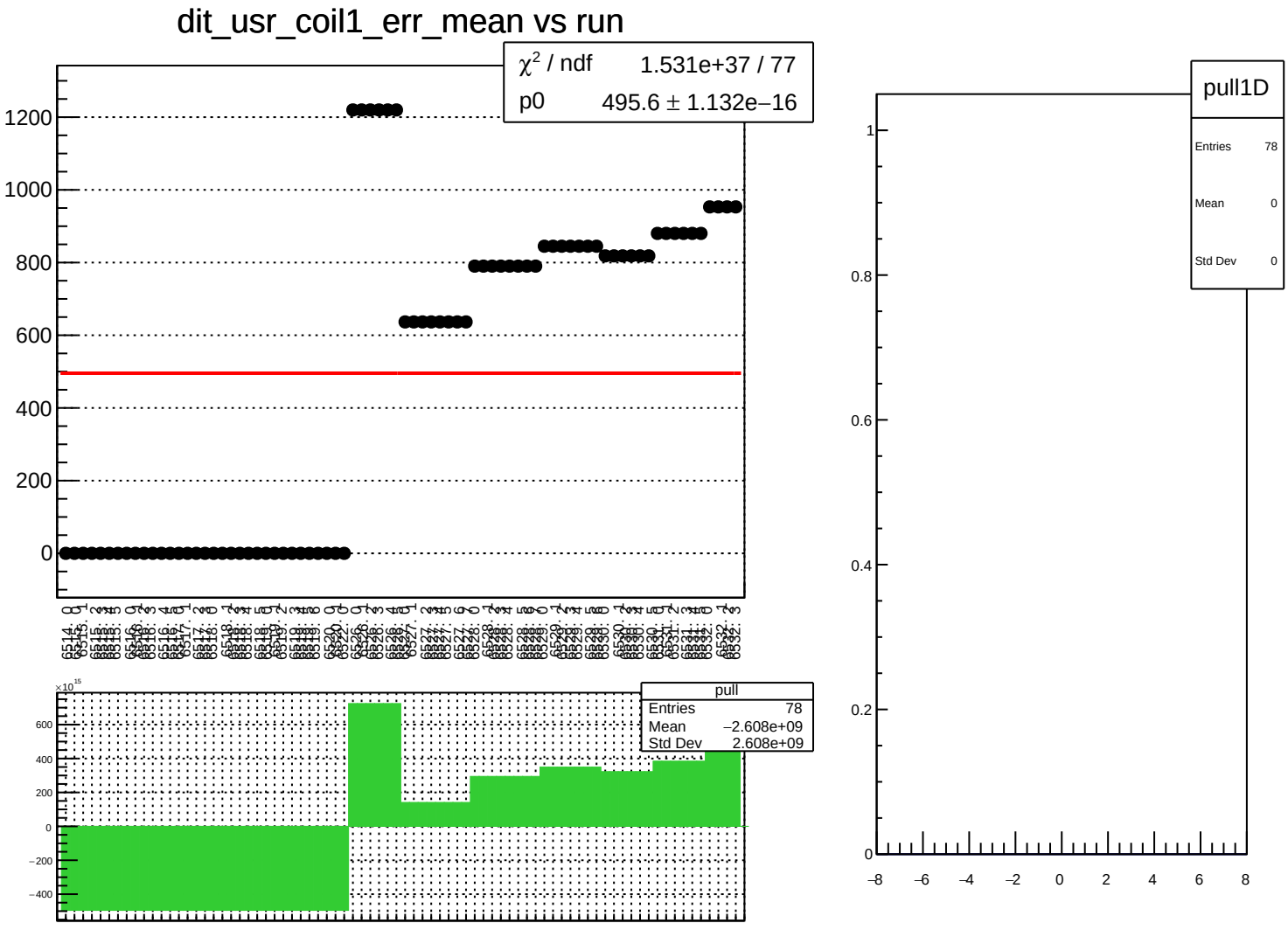


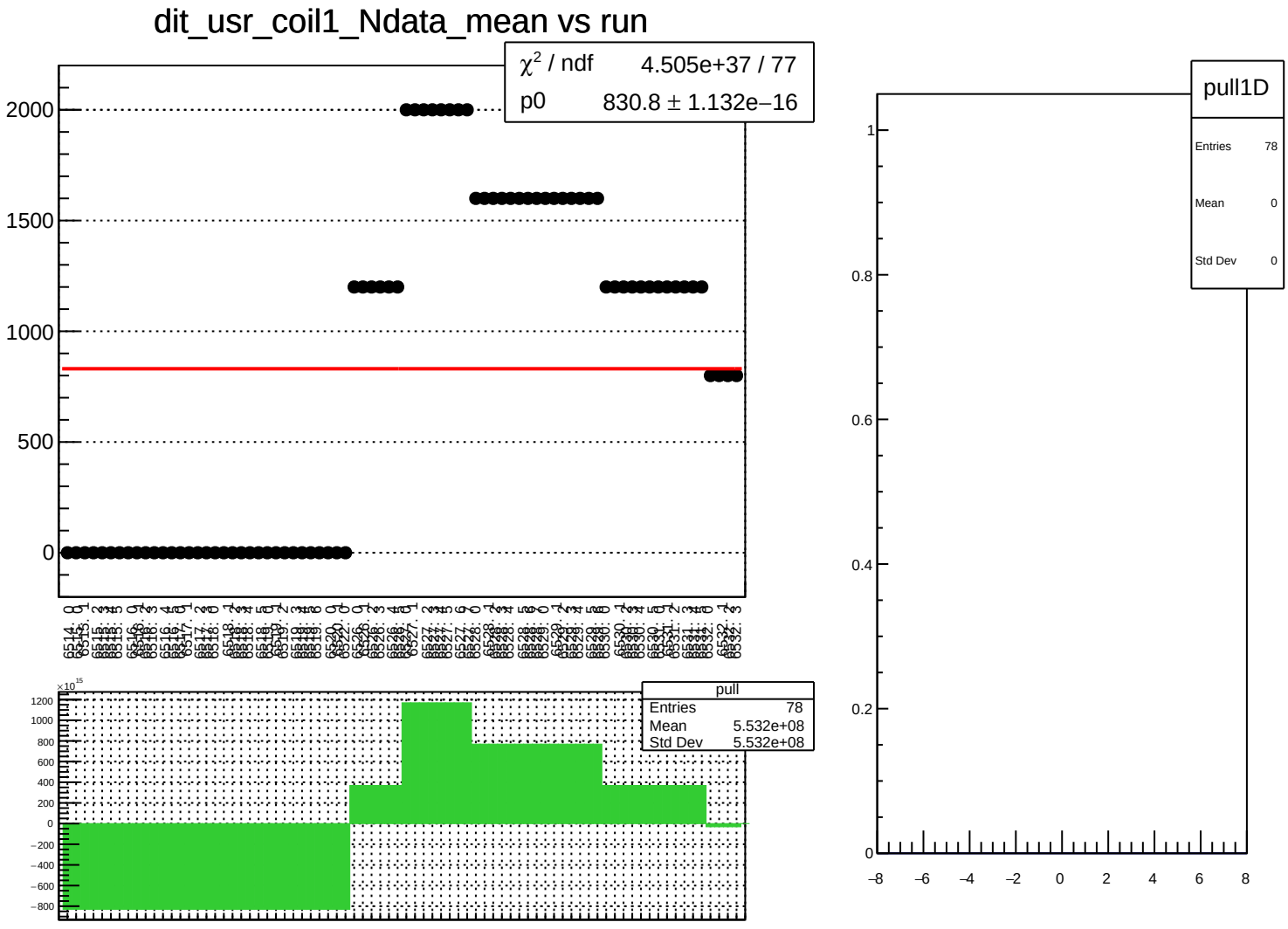
dit_usl_coil1_Ndata_mean vs run

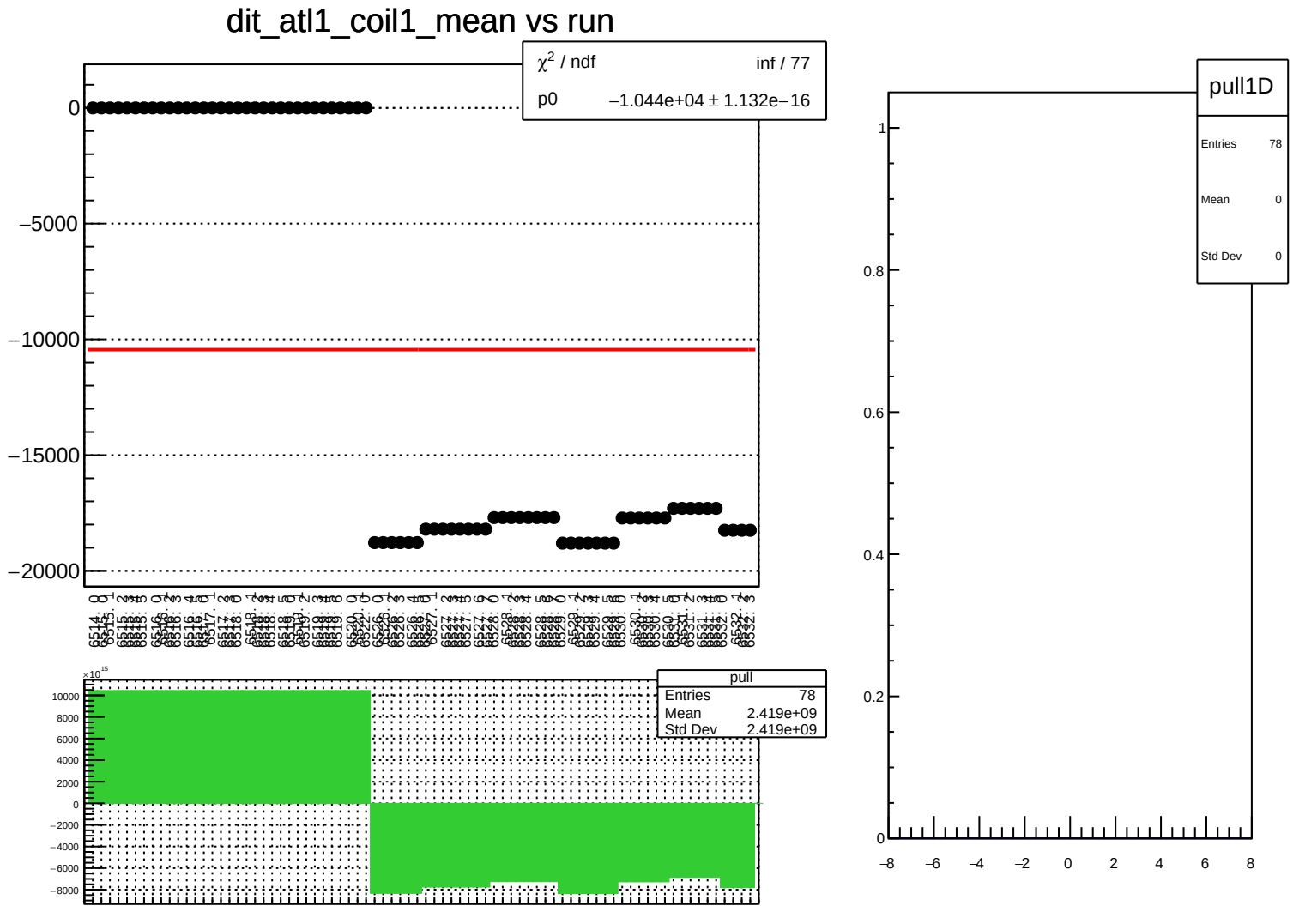




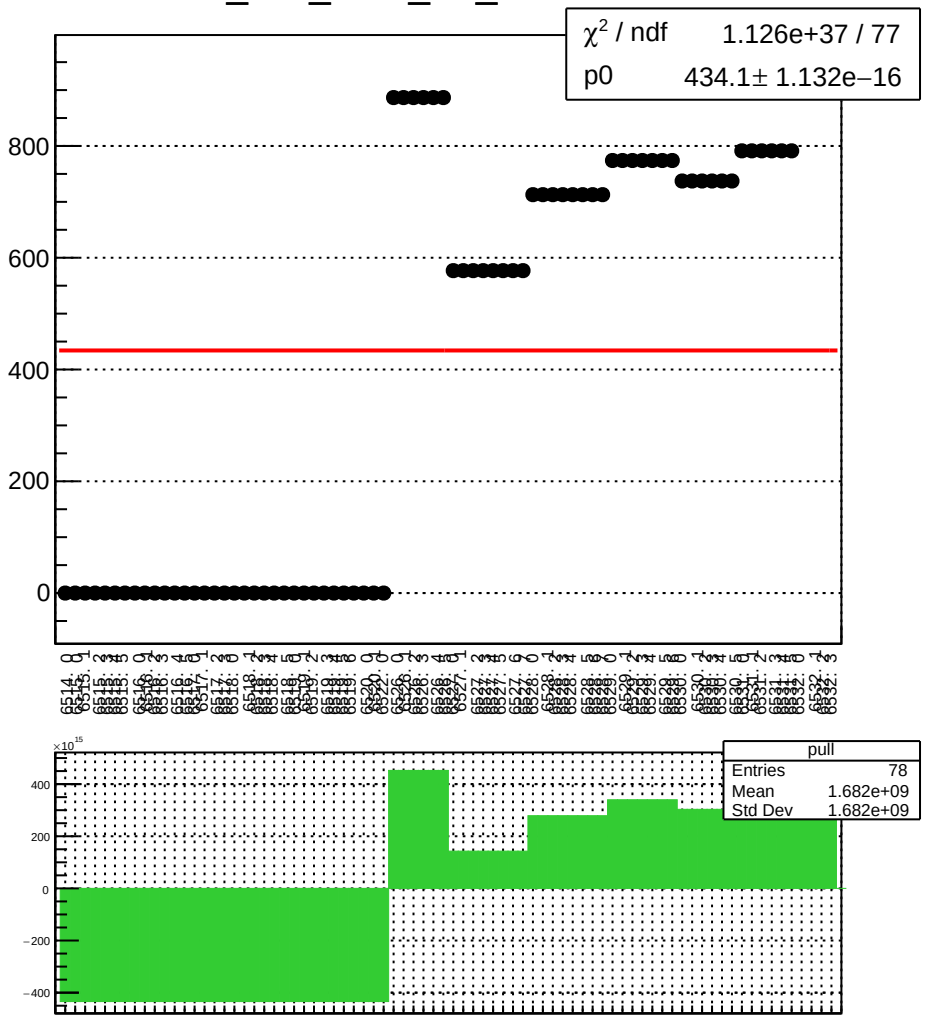

dit_usr_coil1_mean vs run
χ² / ndf inf / 77
p0 −1.612e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 78
Mean 0
Std Dev 0
×10¹⁸
15
10
5
0
−5
−10
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

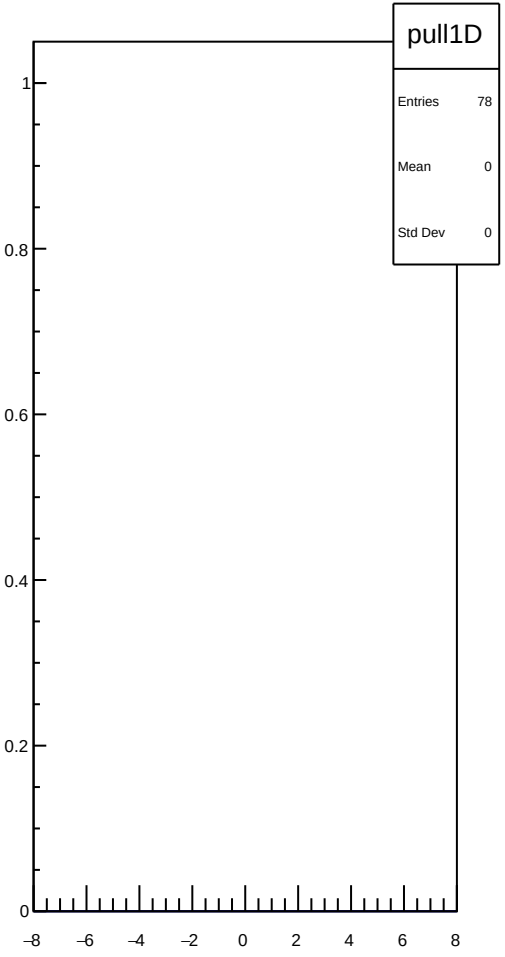

dit_usr_coil1_err_mean vs run
χ^2 / ndf 1.531e+37 / 77
p0 495.6 ± 1.132e−16
pull
Entries 78
Mean −2.608e+09
Std Dev 2.608e+09
pull1D
Entries 78
Mean 0
Std Dev 0


dit_usr_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
pull1D
Entries 78
Mean 0
Std Dev 0

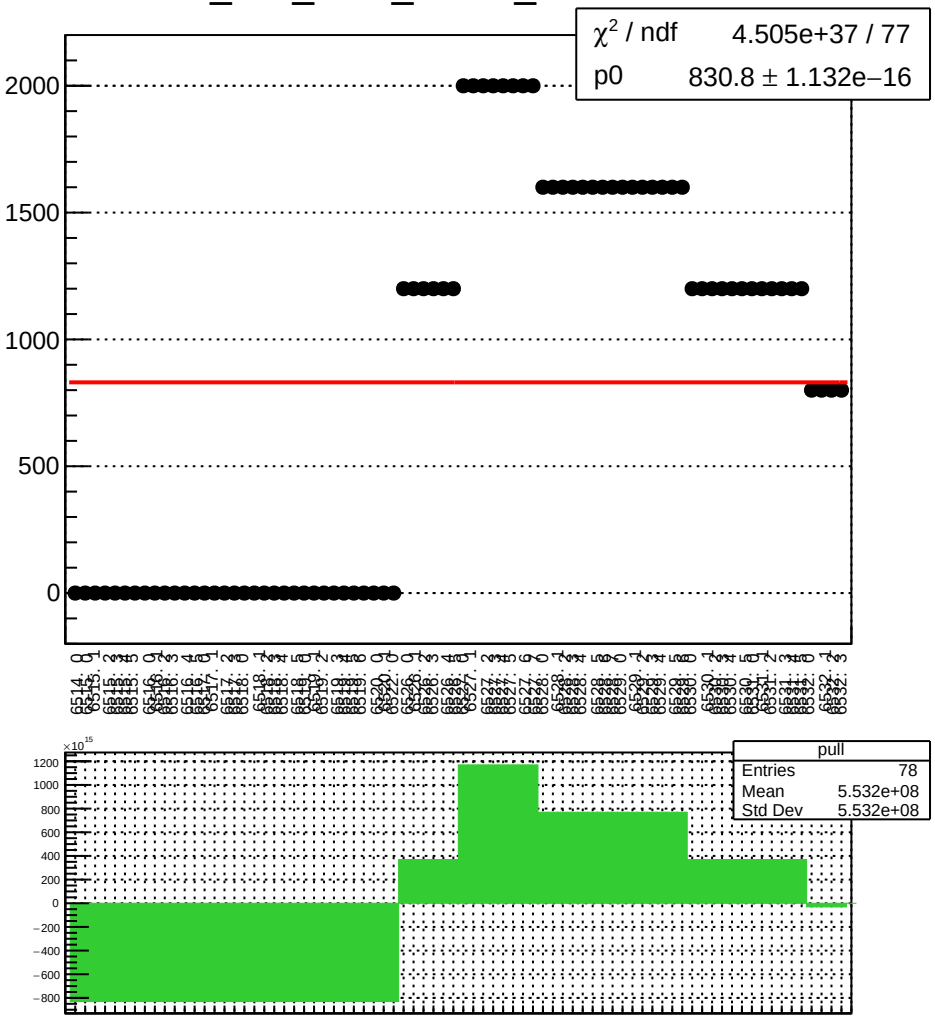

dit_atl1_coil1_mean vs run
χ² / ndf inf / 77
p0 −1.044e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean 2.419e+09
Std Dev 2.419e+09
×10¹⁵
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

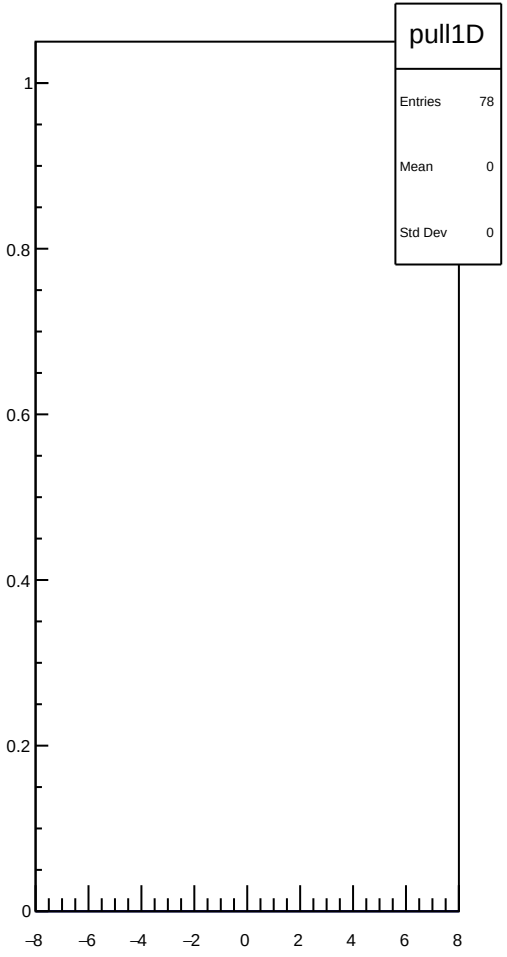
dit_atl1_coil1_err_mean vs run

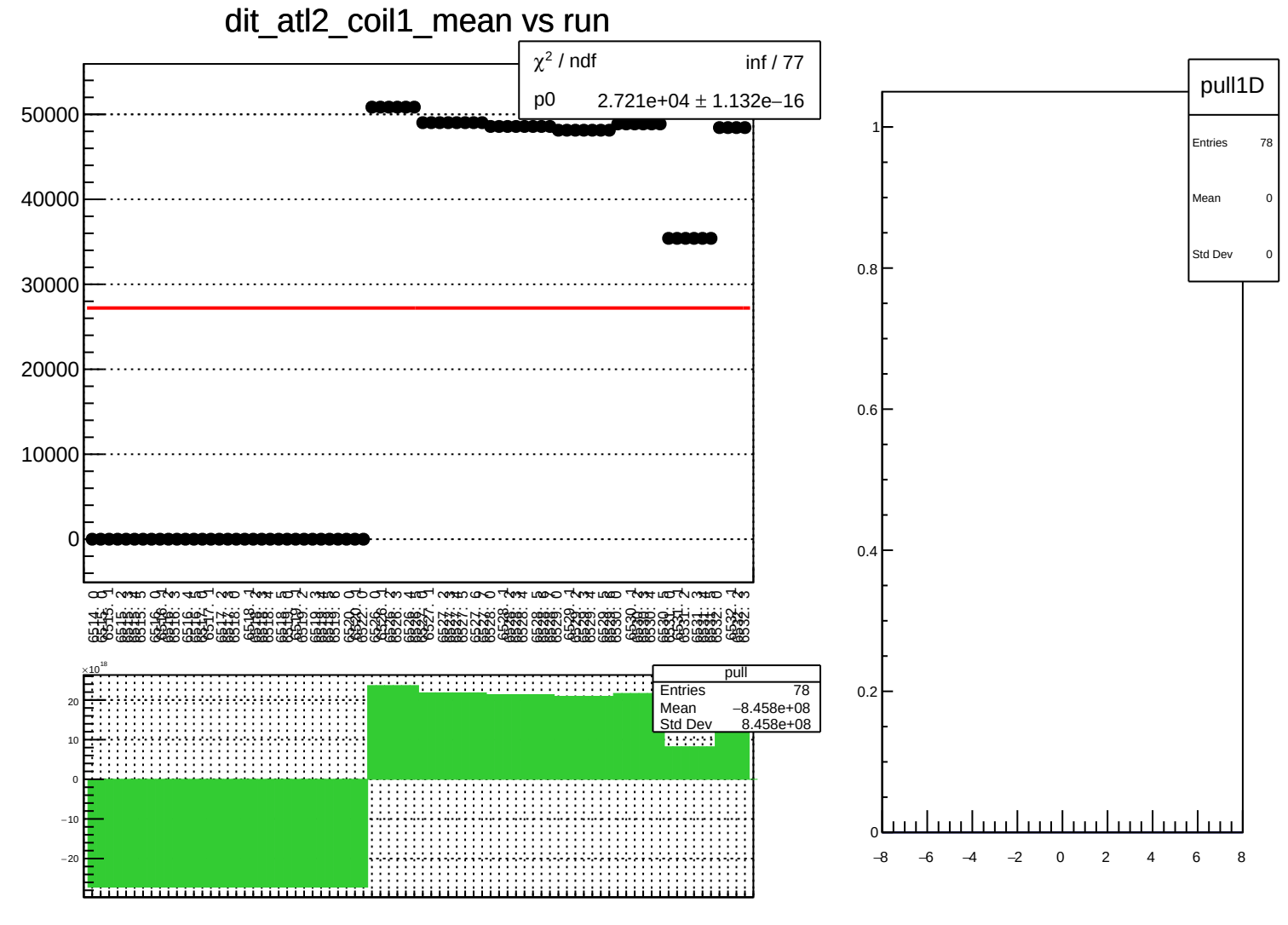




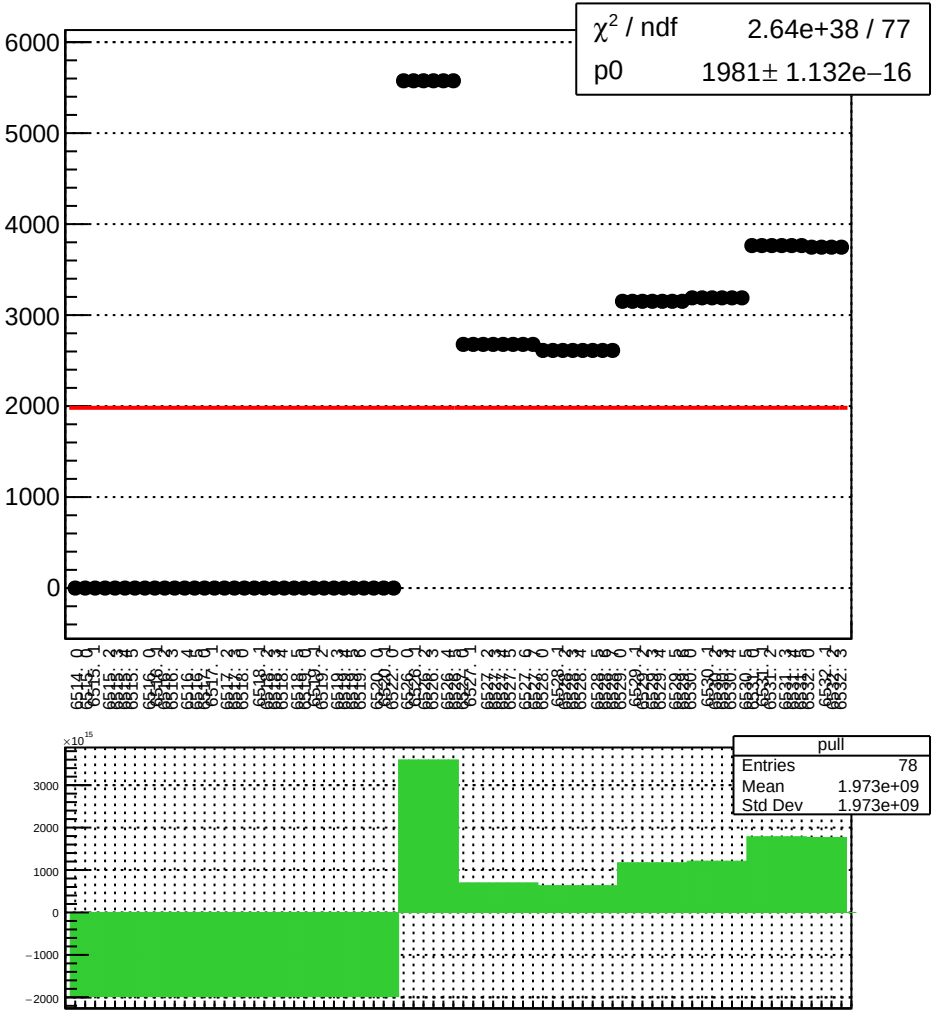
dit_atl1_coil1_Ndata_mean vs run

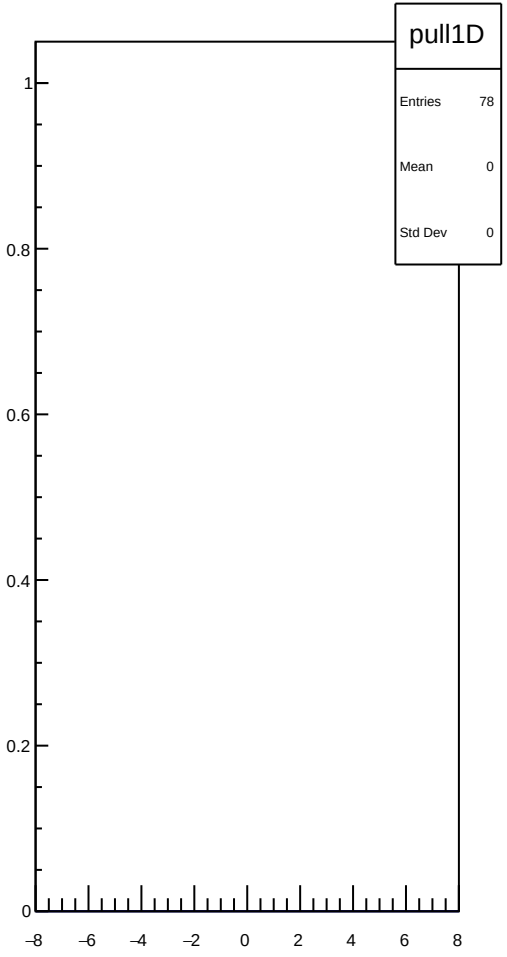




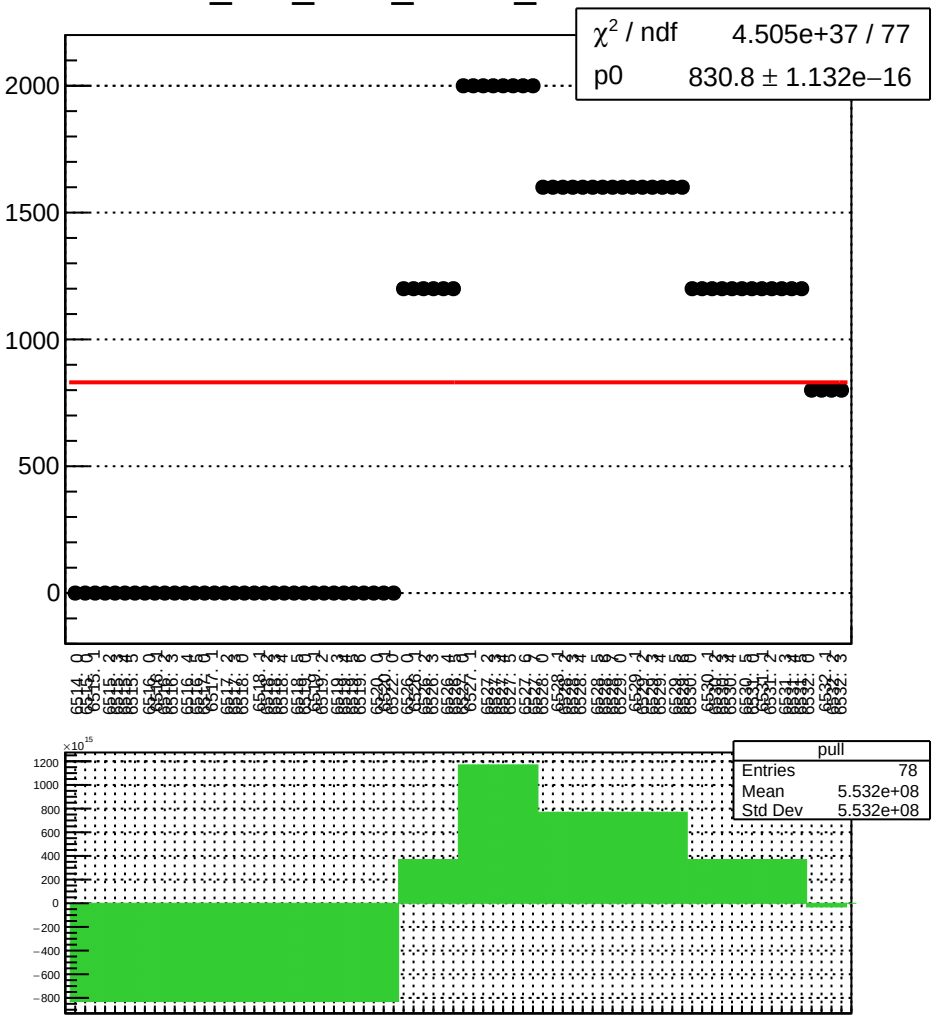

dit_atl2_coil1_mean vs run
χ² / ndf inf / 77
p0 2.721e+04 ± 1.132e−16
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean −8.458e+08
Std Dev 8.458e+08
×10¹⁸
20
10
0
−10
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

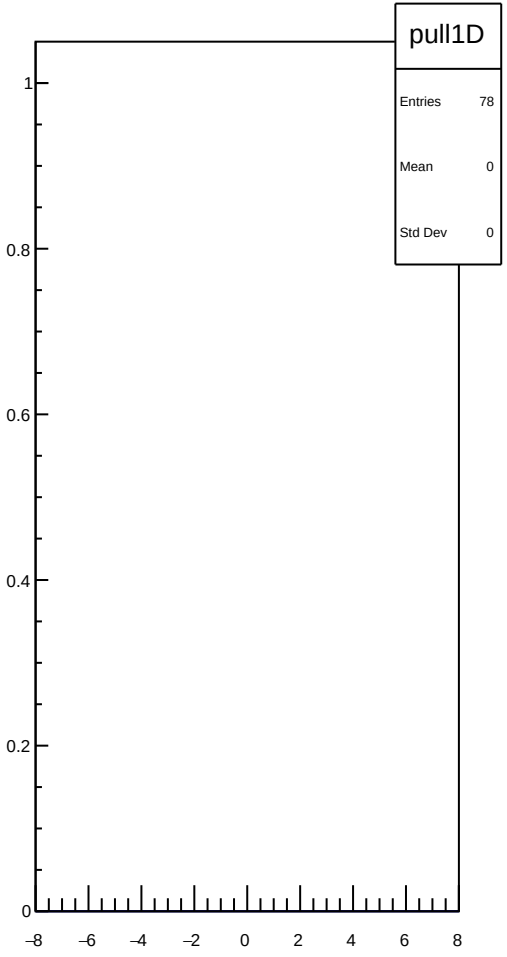
dit_atl2_coil1_err_mean vs run

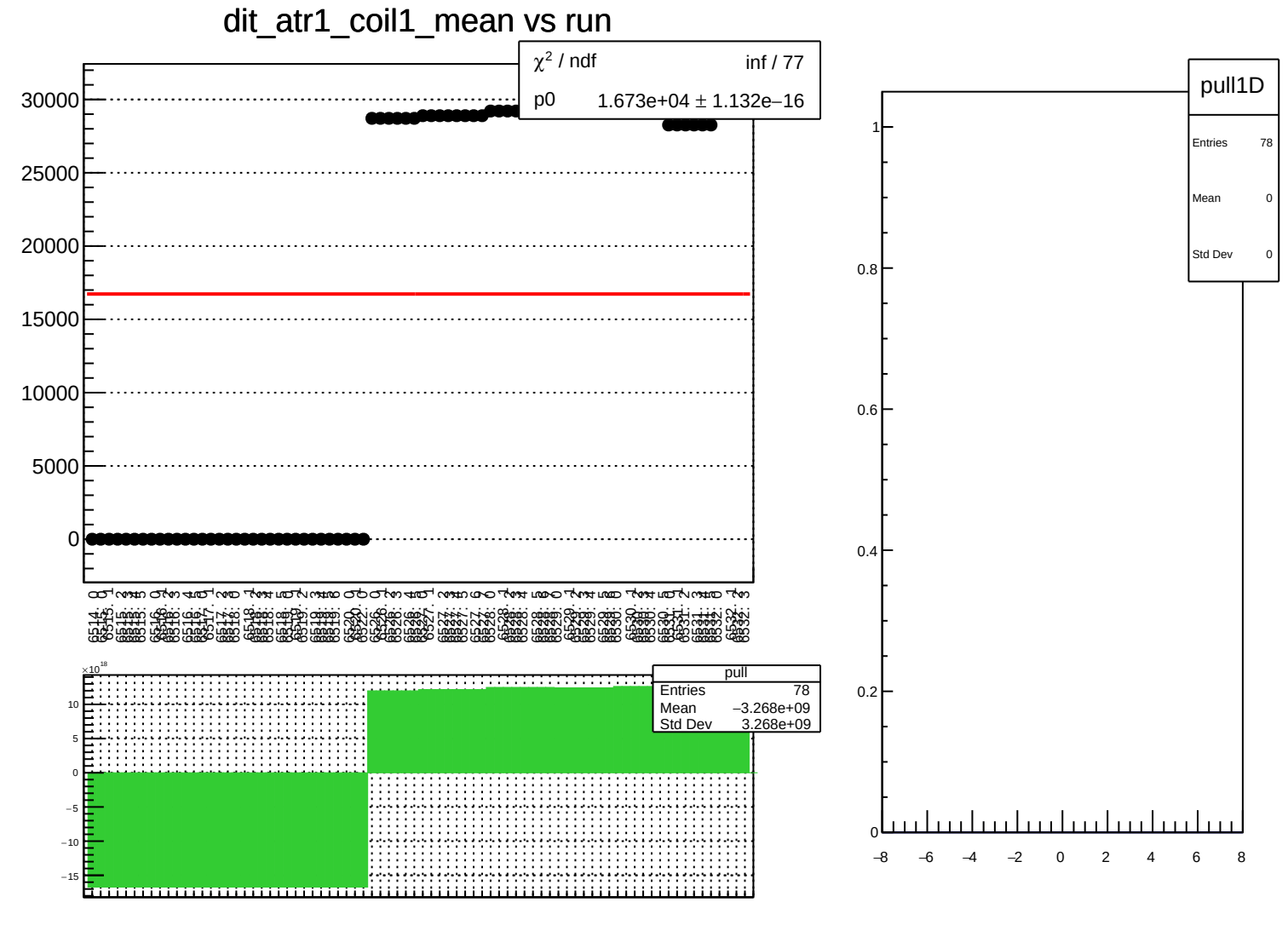


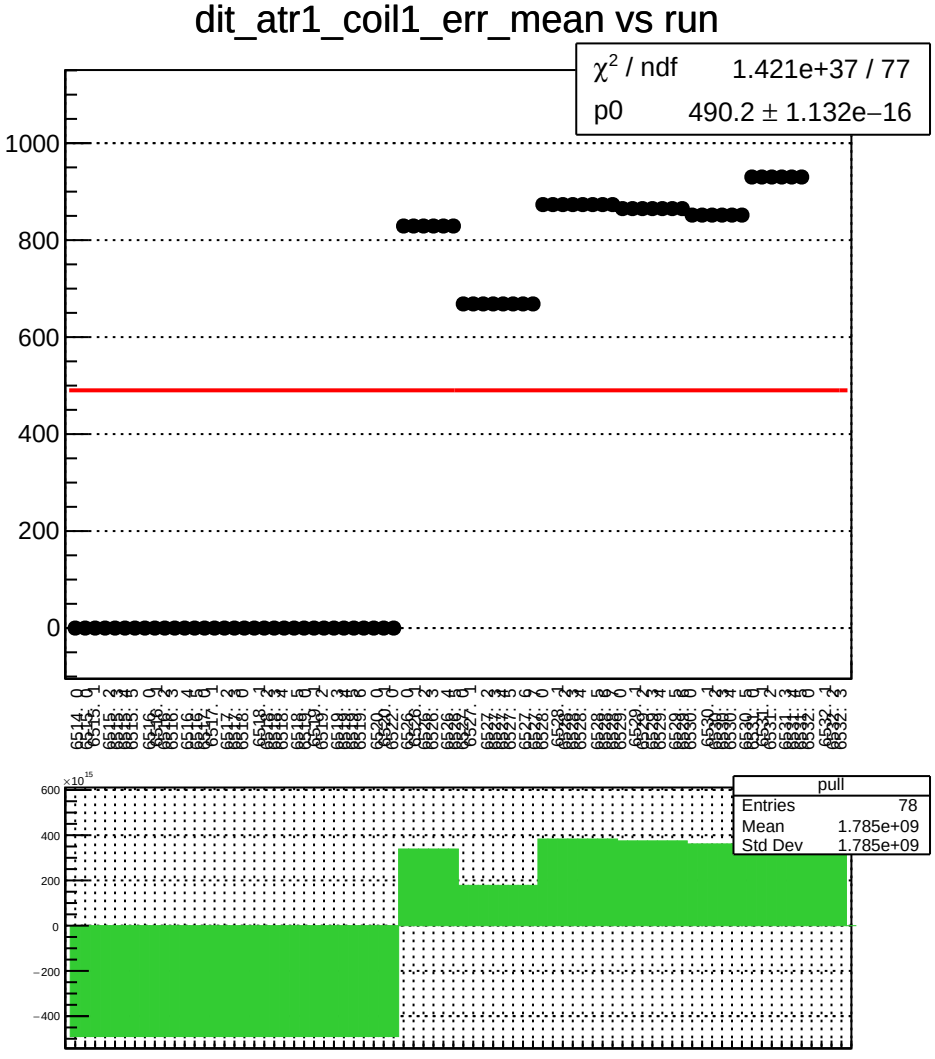


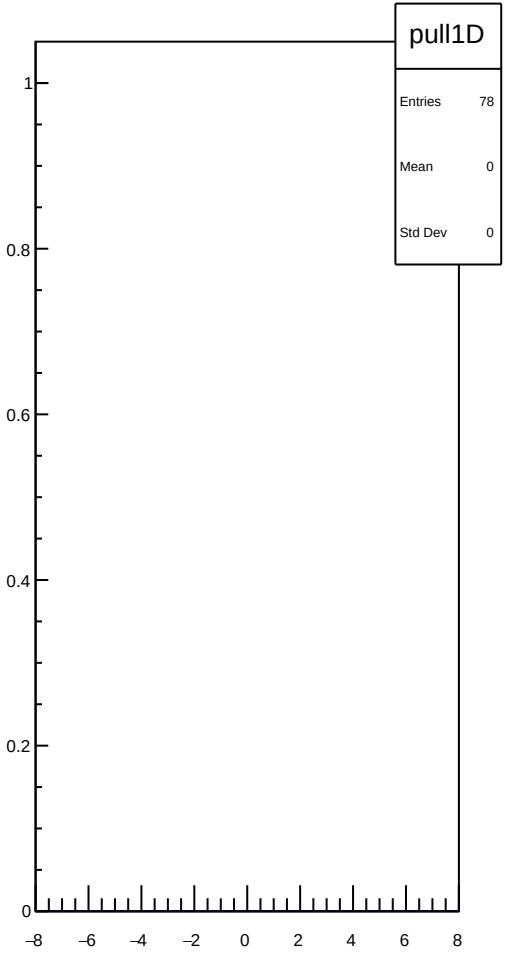
dit_atl2_coil1_Ndata_mean vs run

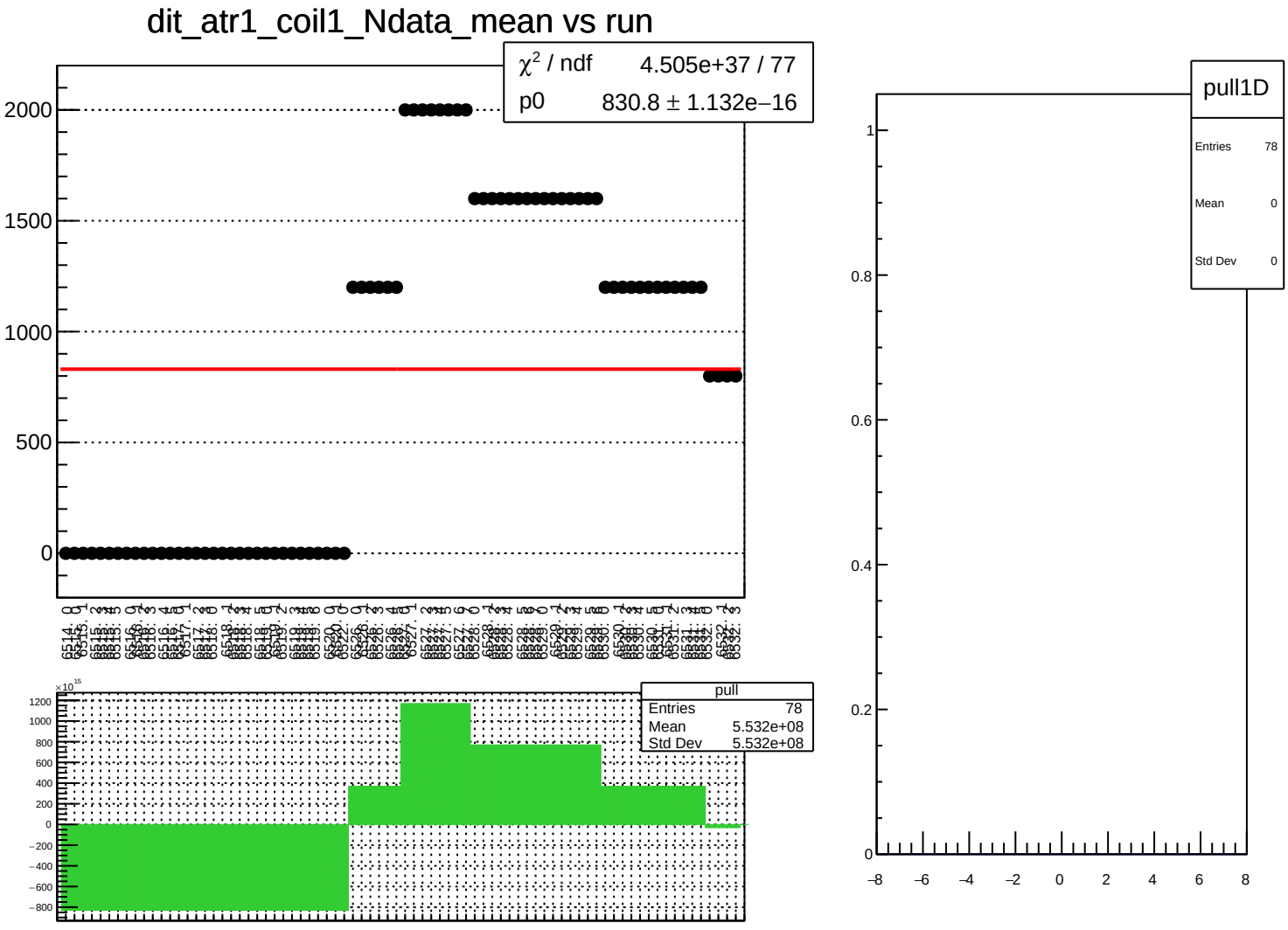




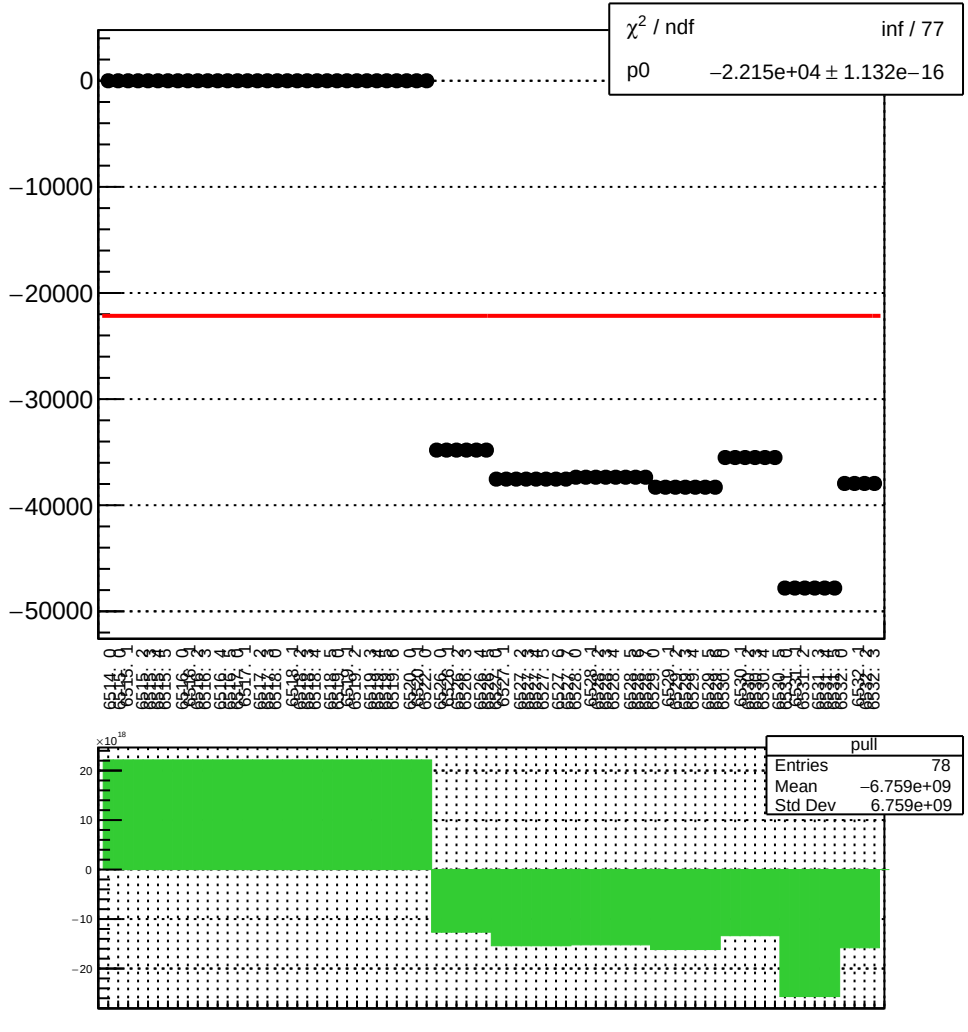

dit_atr1_coil1_mean vs run
χ² / ndf inf / 77
p0 1.673e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −3.268e+09
Std Dev 3.268e+09
×10¹⁸
10
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

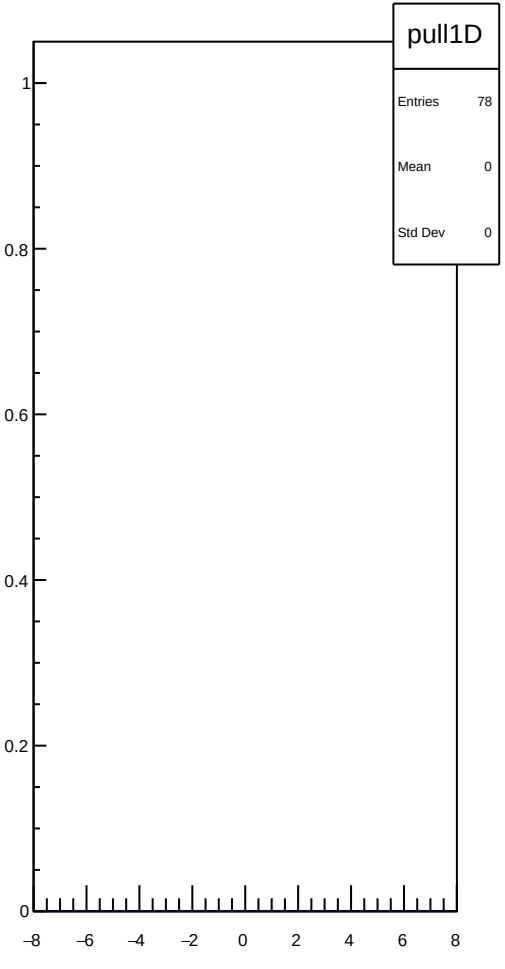

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.421e+37 / 77
p0 490.2 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 1.785e+09
Std Dev 1.785e+09
600
400
200
0
−200
−400


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

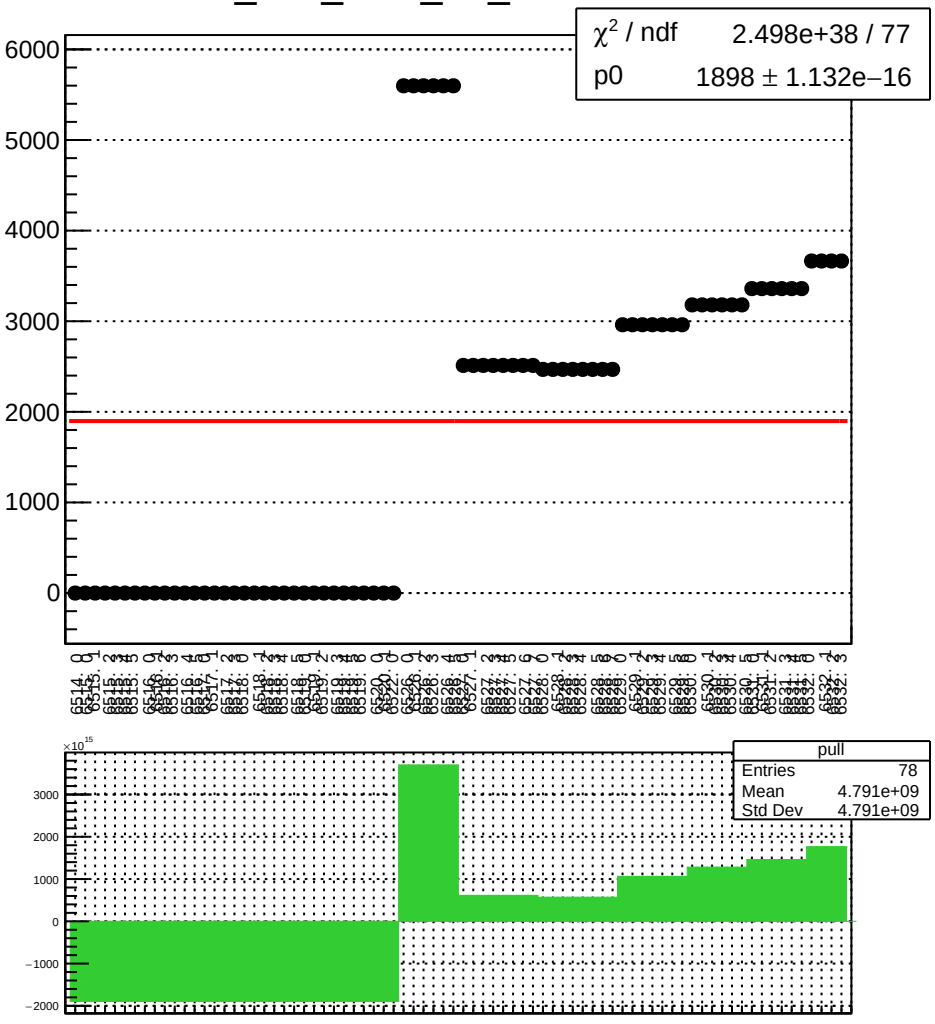

dit_atr1_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

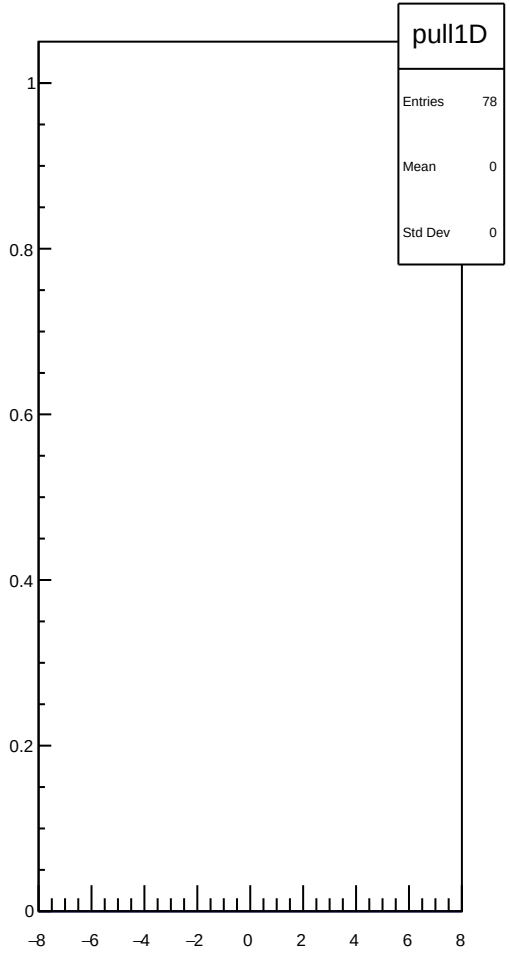
dit_atr2_coil1_mean vs run



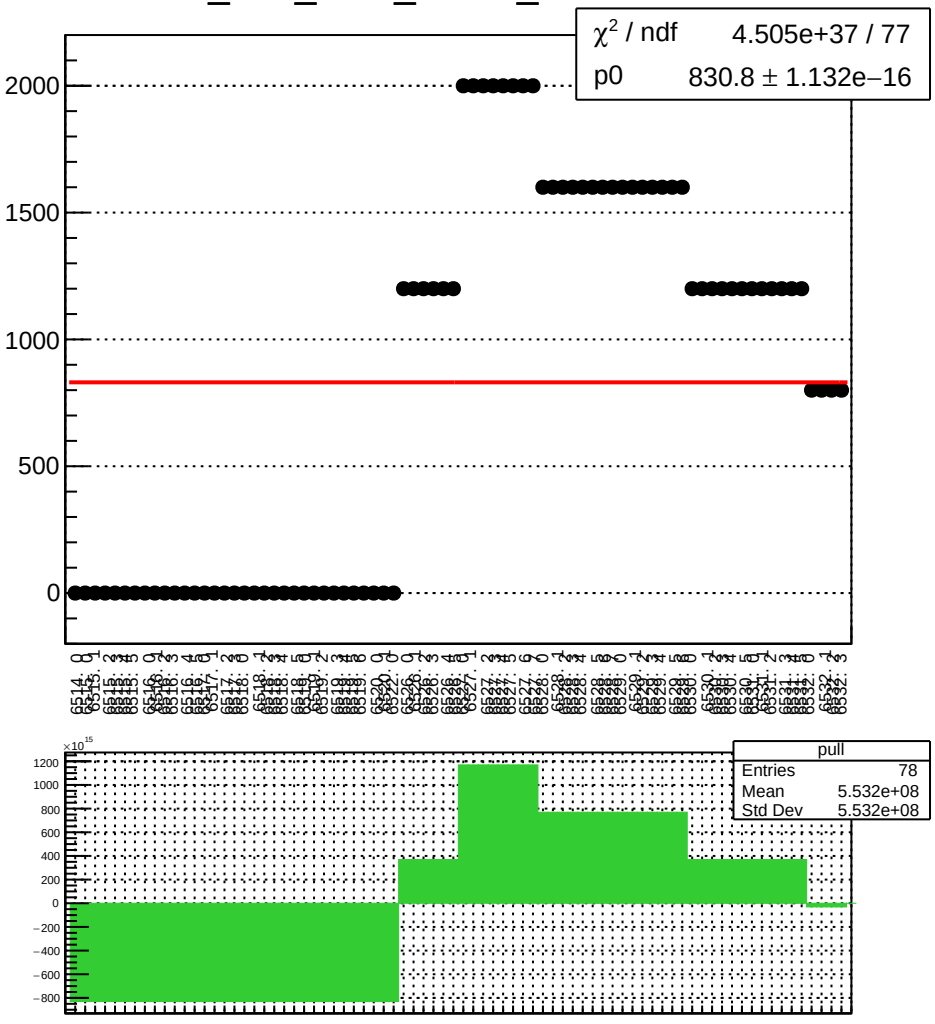


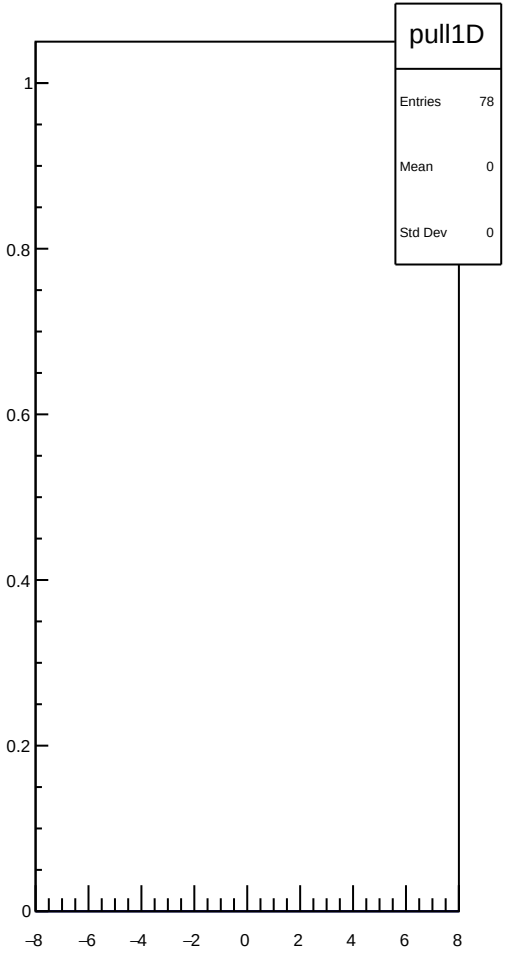
dit_atr2_coil1_err_mean vs run

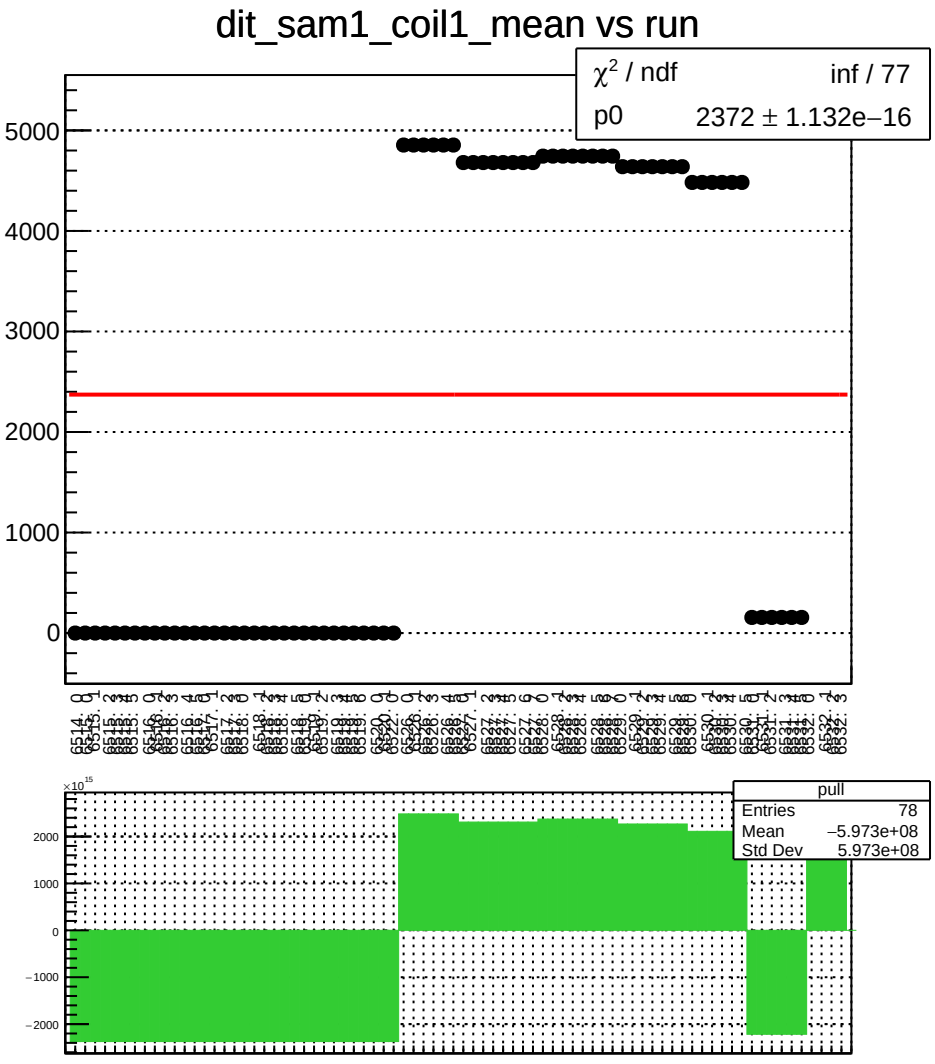


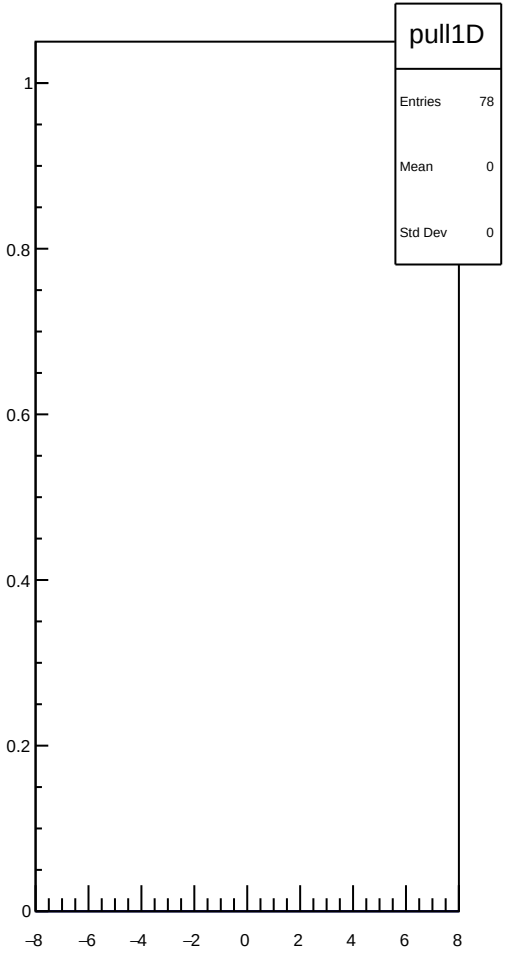


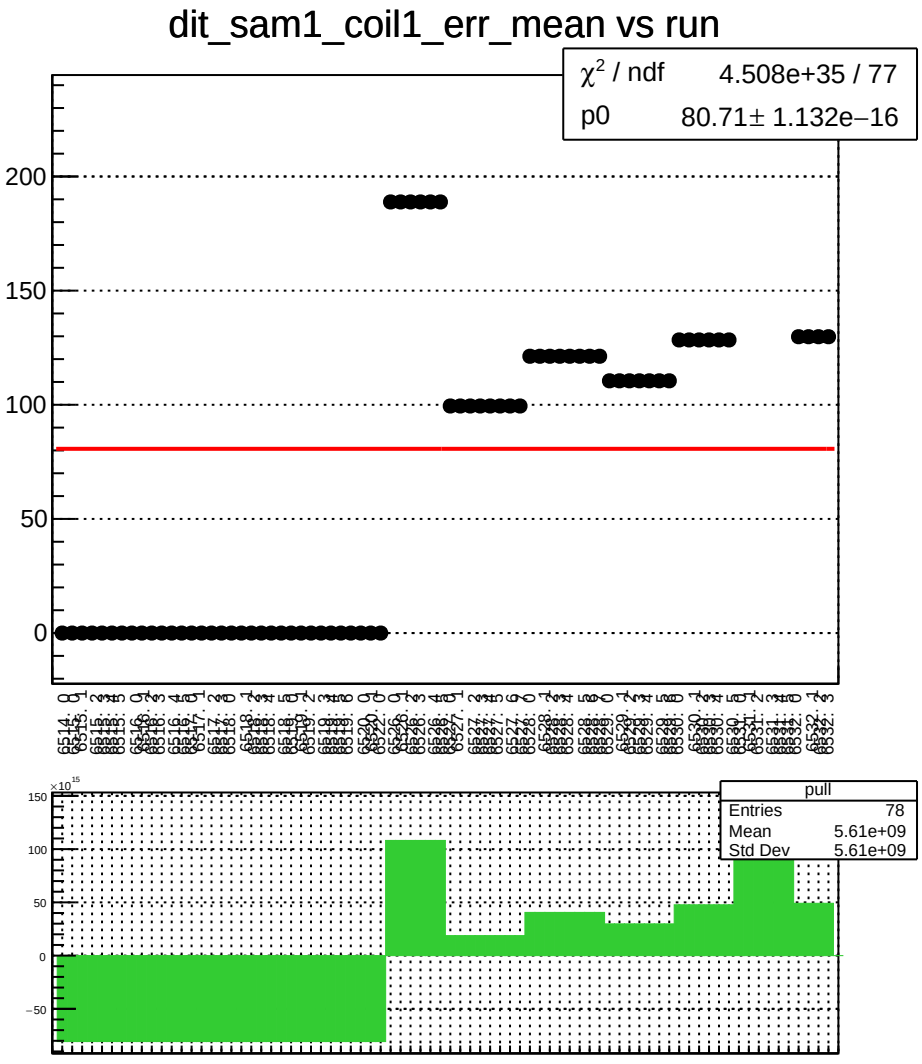
dit_atr2_coil1_Ndata_mean vs run

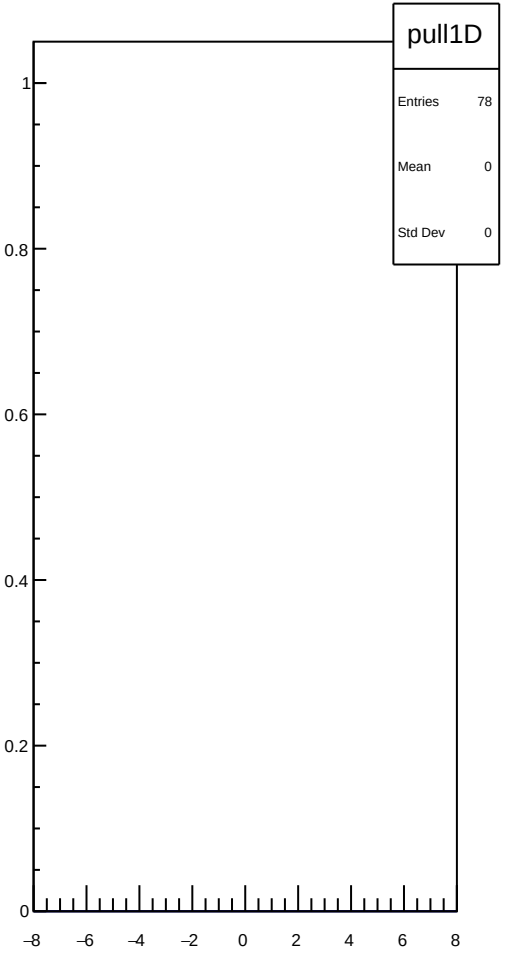


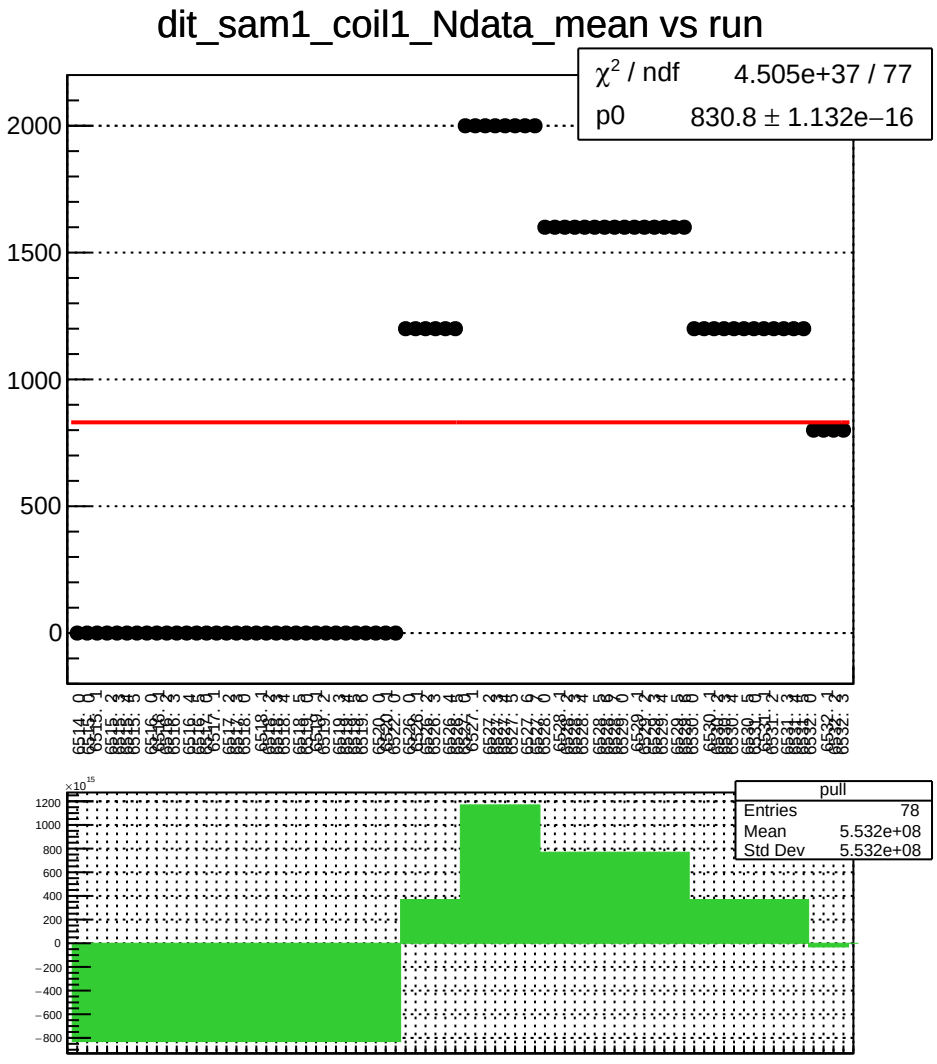


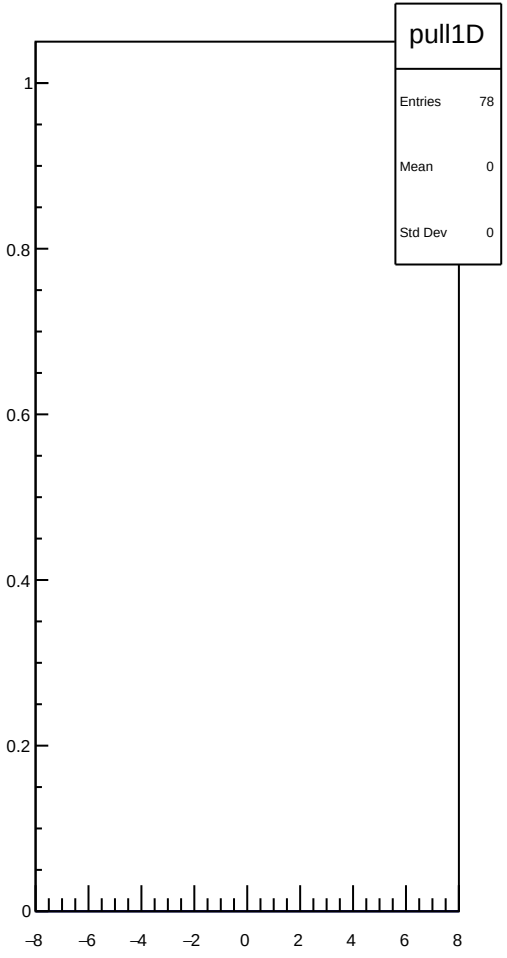

dit_sam1_coil1_mean vs run
χ² / ndf inf / 77
p0 2372 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −5.973e+08
Std Dev 5.973e+08
×10¹⁵
2000
1000
0
−1000
−2000

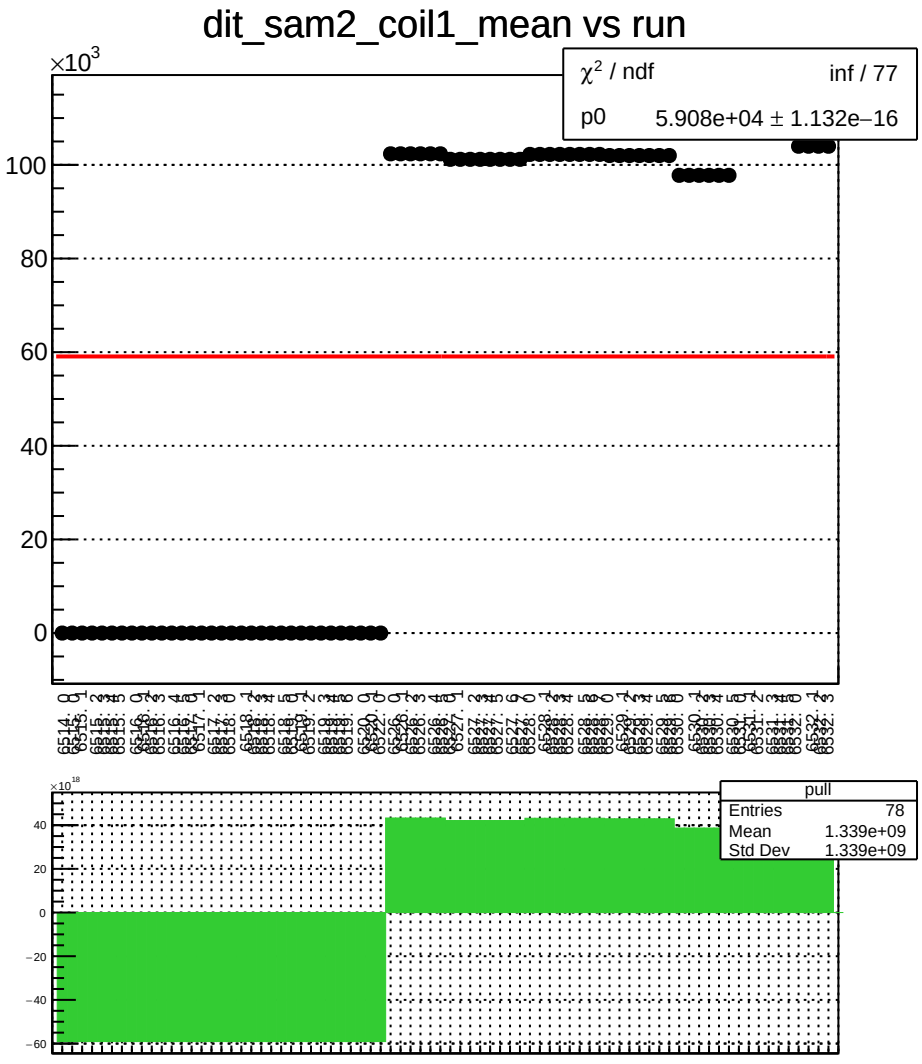

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

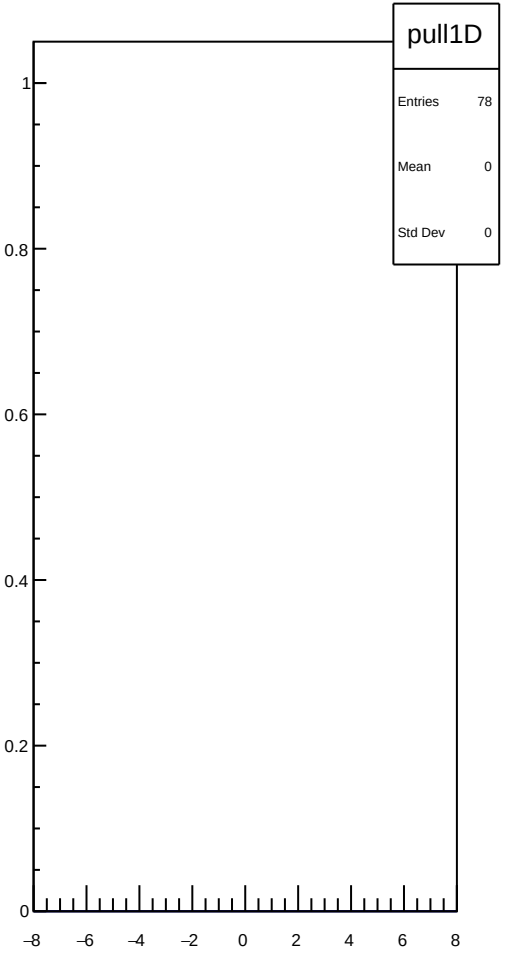

dit_sam1_coil1_err_mean vs run
χ² / ndf 4.508e+35 / 77
p0 80.71± 1.132e−16
pull
Entries 78
Mean 5.61e+09
Std Dev 5.61e+09

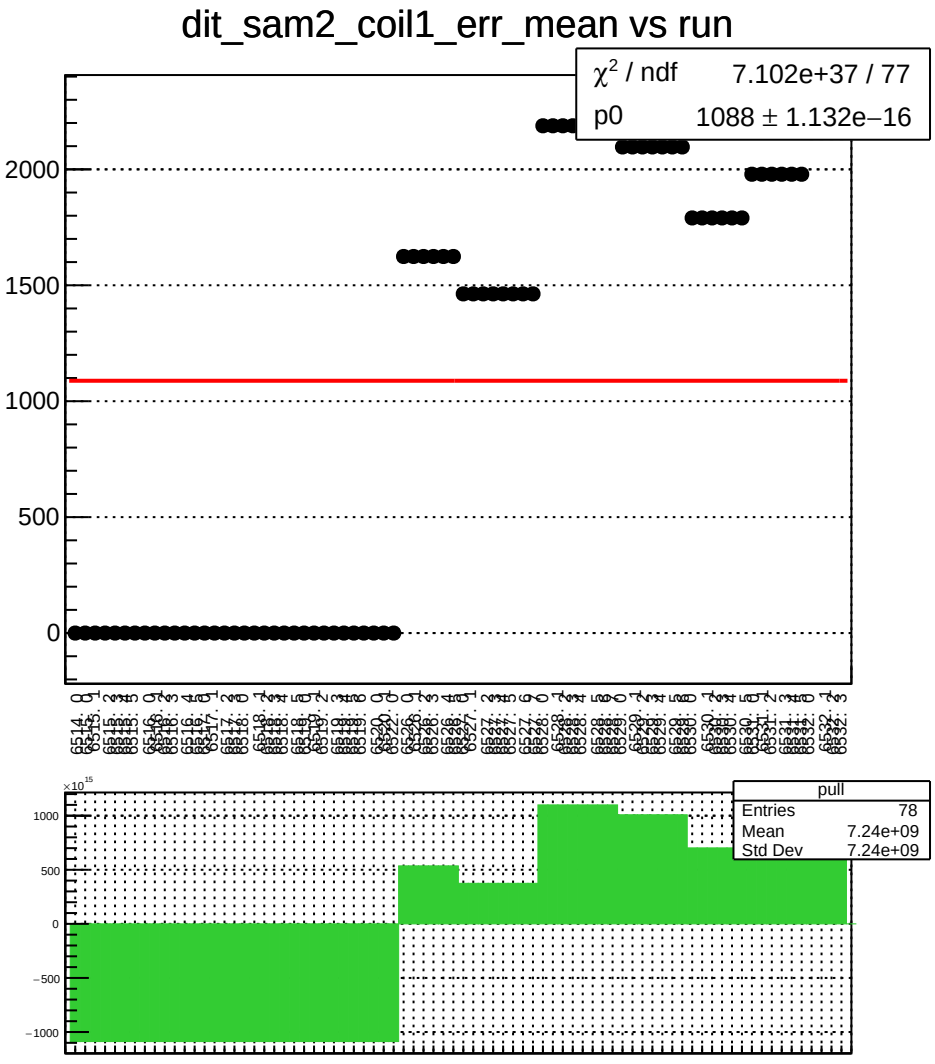

pull1D
Entries 78
Mean 0
Std Dev 0

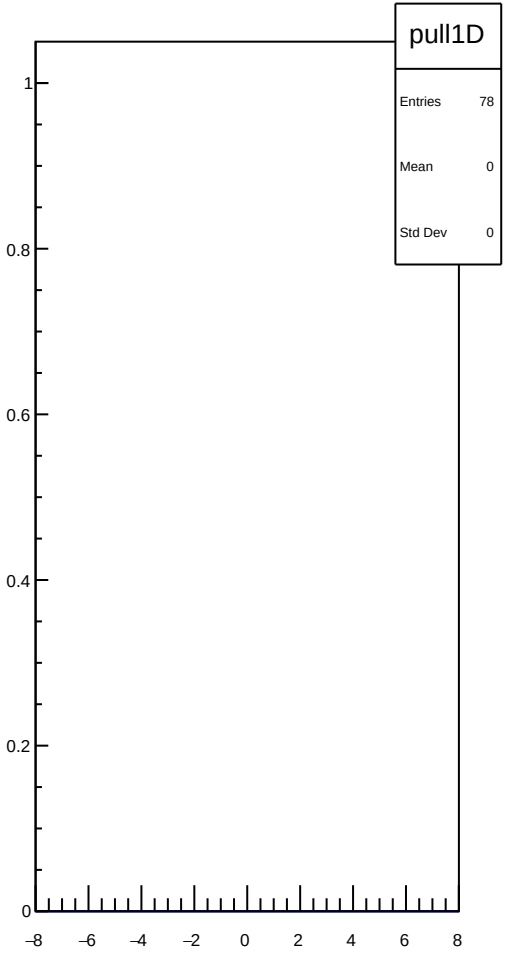

dit_sam1_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

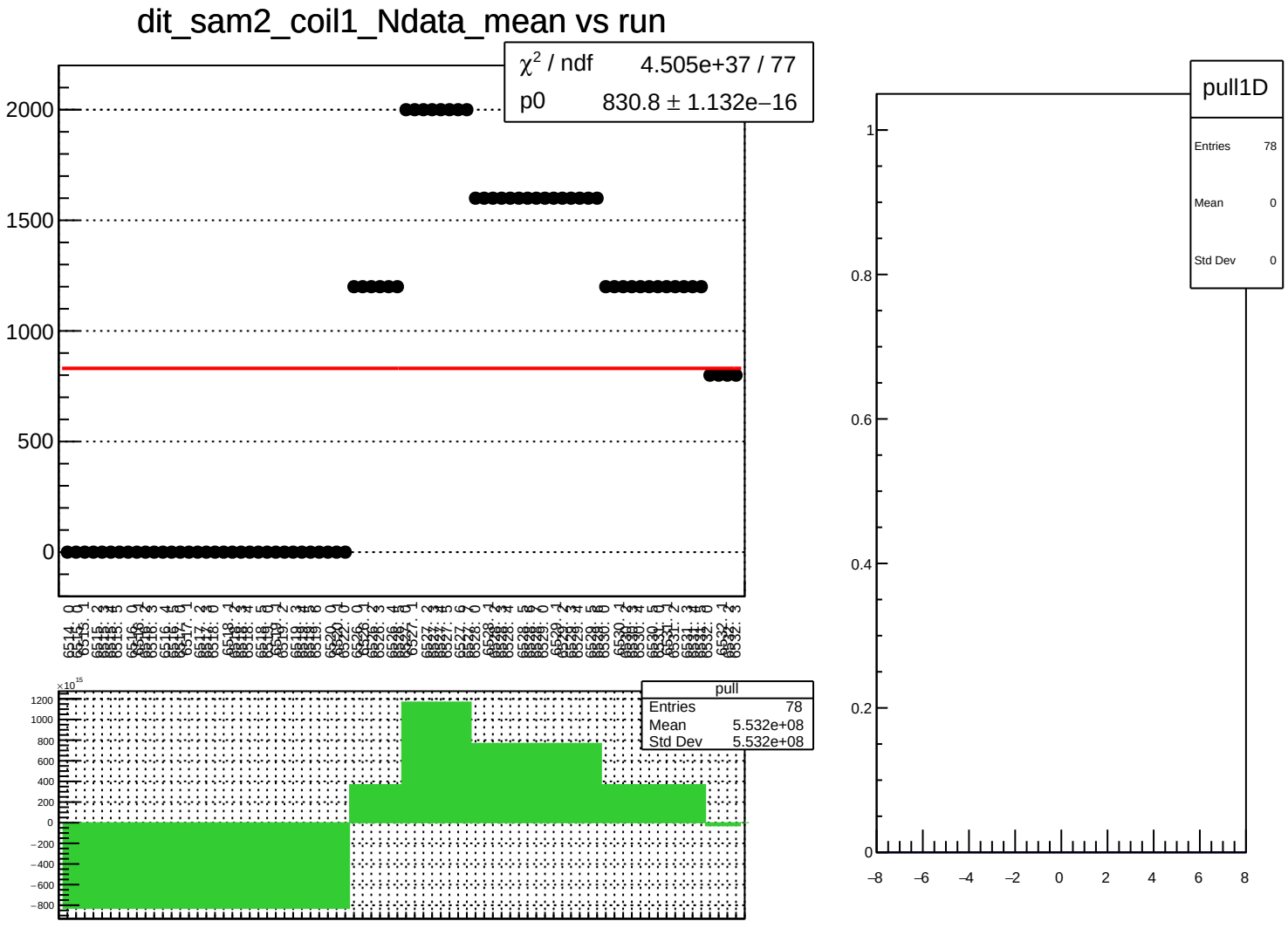

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

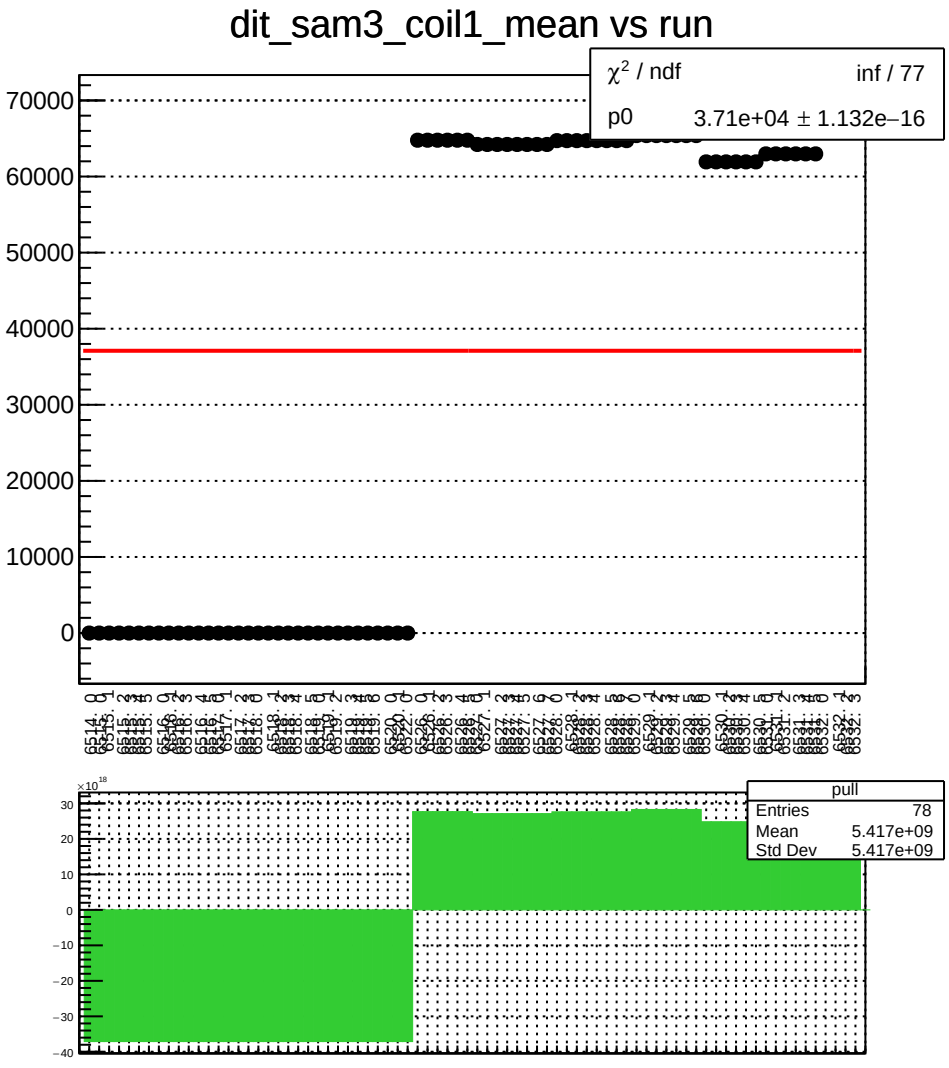

dit_sam2_coil1_mean vs run
χ^2 / ndf inf / 77
p0 5.908e+04 ± 1.132e−16
×10^3
100
80
60
40
20
0
pull
Entries 78
Mean 1.339e+09
Std Dev 1.339e+09
×10^18
40
20
0
−20
−40
−60

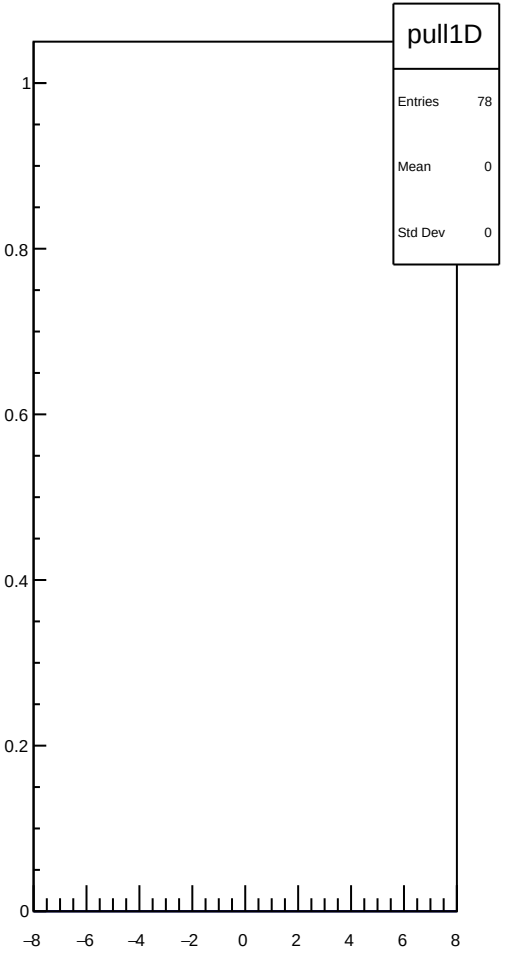

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

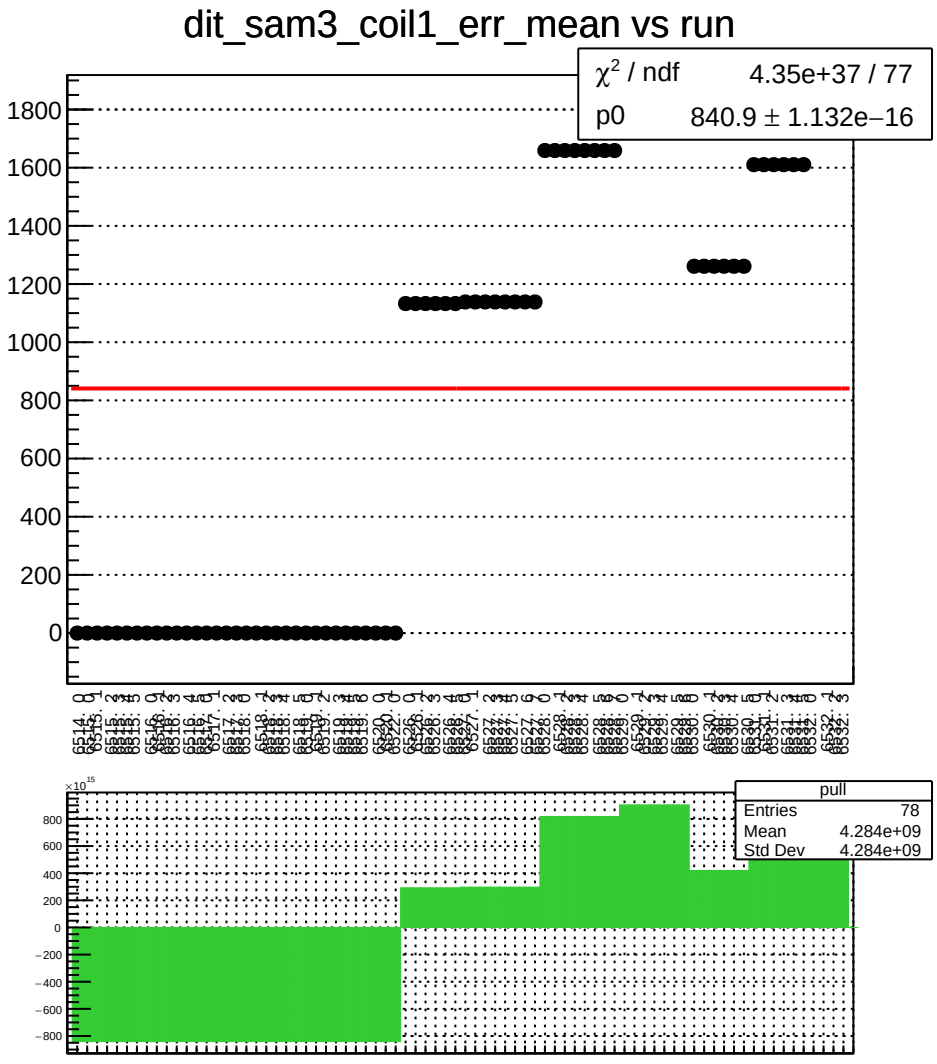

dit_sam2_coil1_err_mean vs run
χ^2 / ndf 7.102e+37 / 77
p0 1088 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 7.24e+09
Std Dev 7.24e+09
1000
500
0
−500
−1000

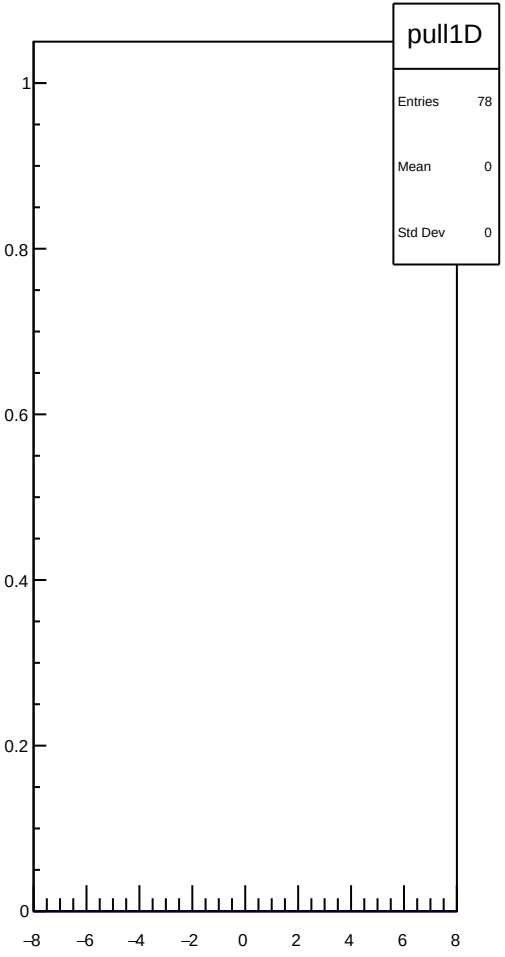

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

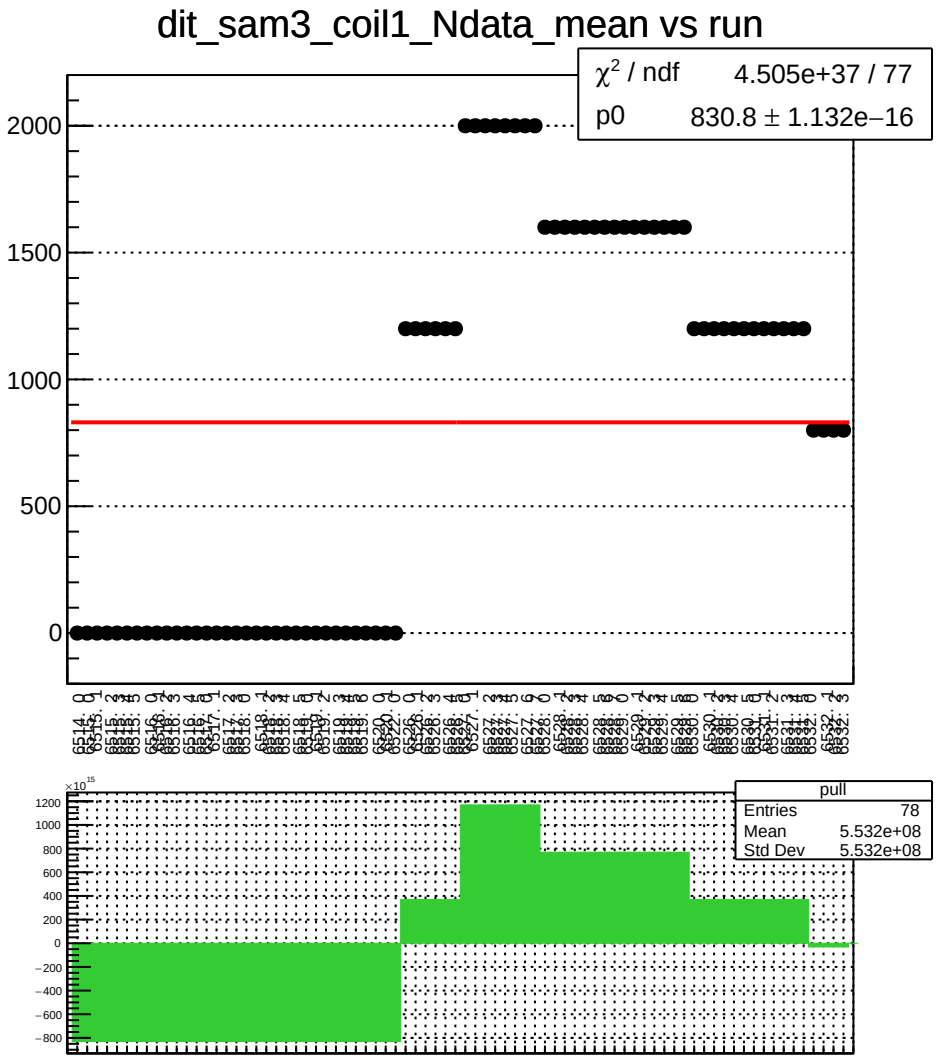

dit_sam2_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

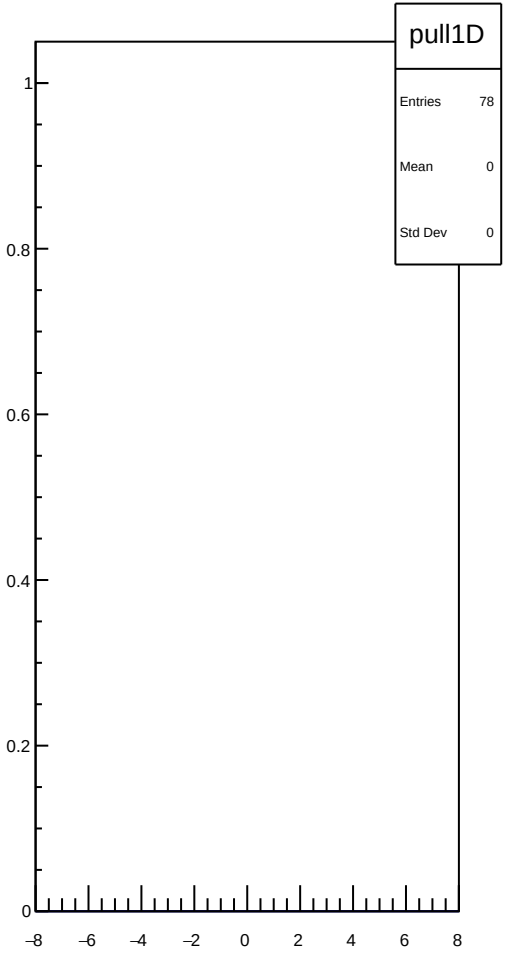

dit_sam3_coil1_mean vs run
χ² / ndf inf / 77
p0 3.71e+04 ± 1.132e−16
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 5.417e+09
Std Dev 5.417e+09
×10¹⁸
30
20
10
0
−10
−20
−30
−40

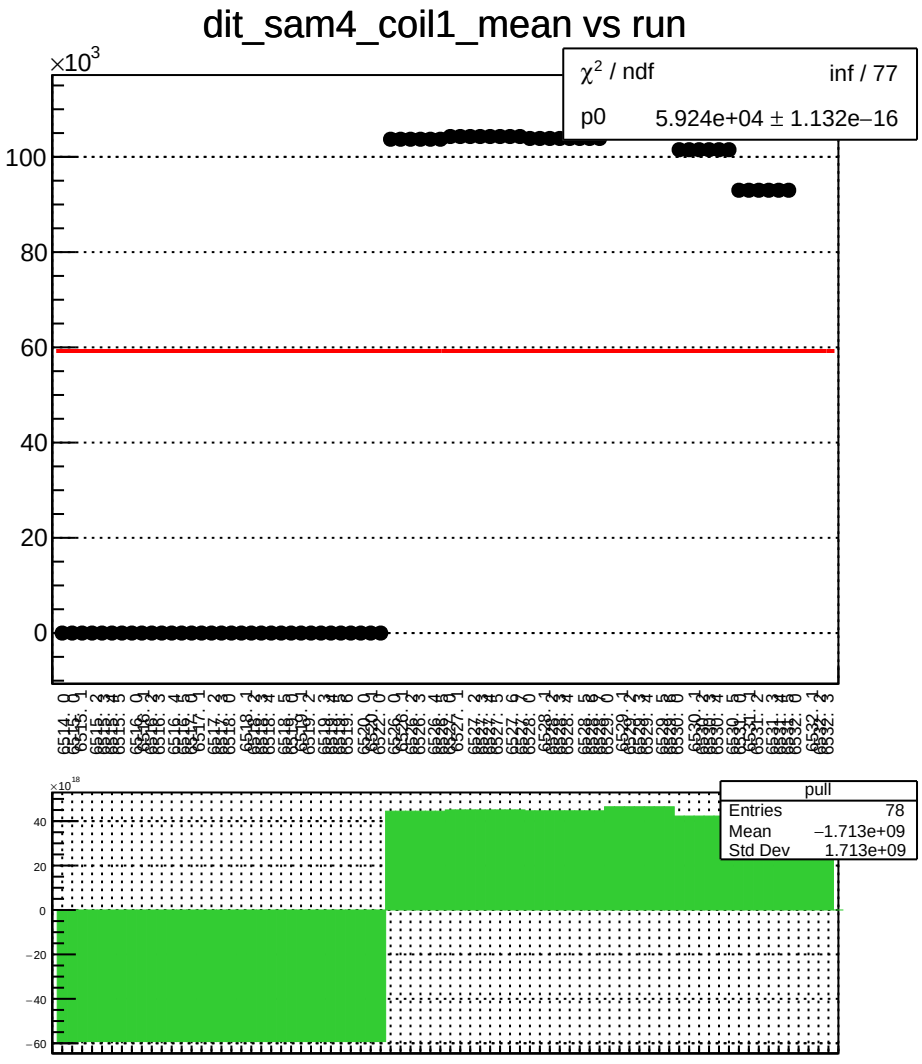

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

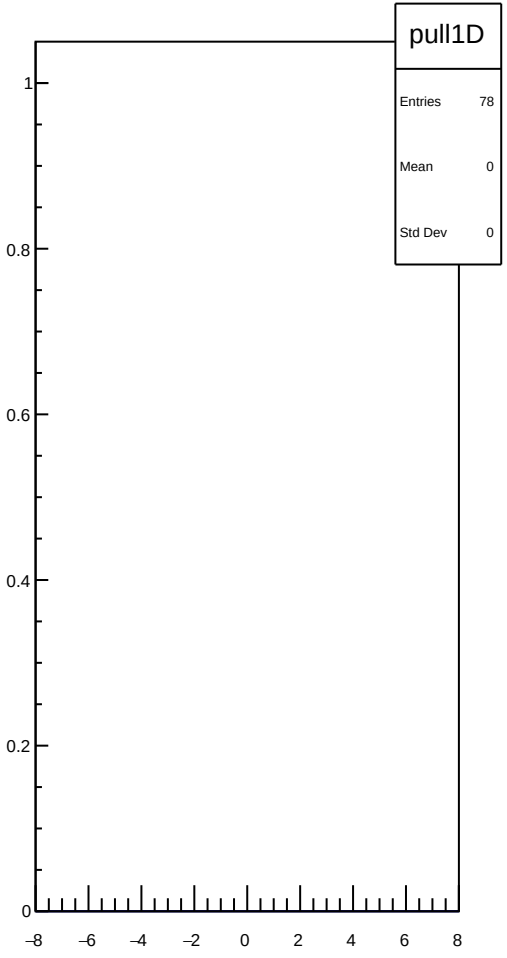

dit_sam3_coil1_err_mean vs run
χ^2 / ndf 4.35e+37 / 77
p0 840.9 ± 1.132e−16
pull
Entries 78
Mean 4.284e+09
Std Dev 4.284e+09

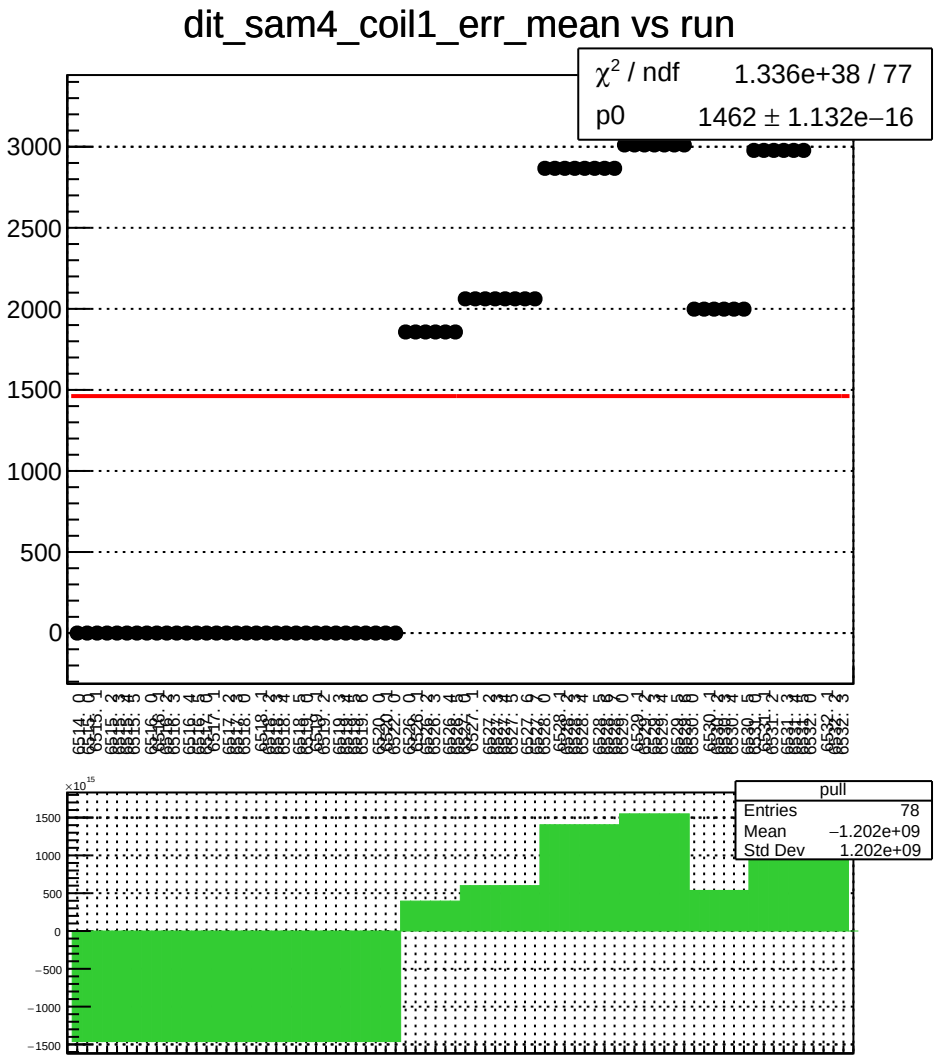

pull1D
Entries 78
Mean 0
Std Dev 0

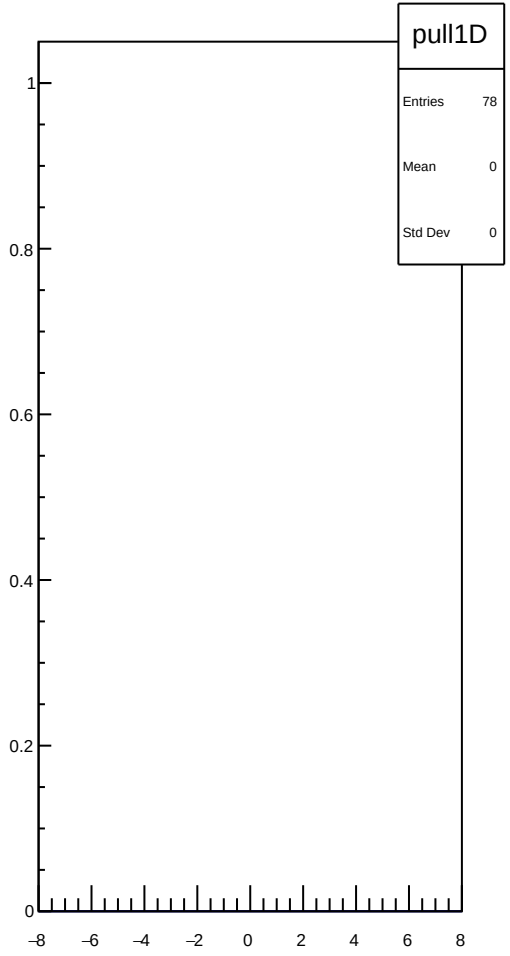

dit_sam3_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

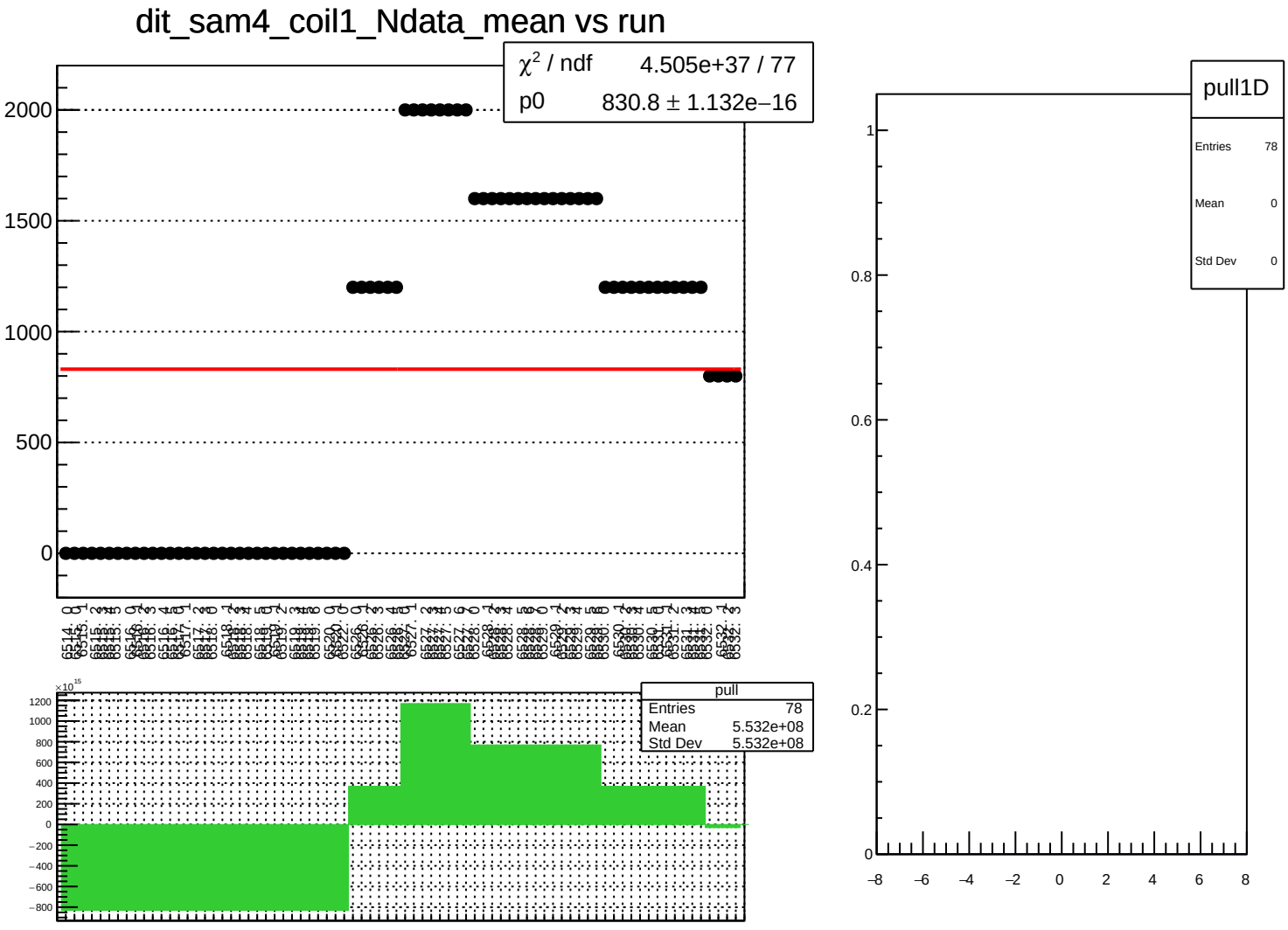

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

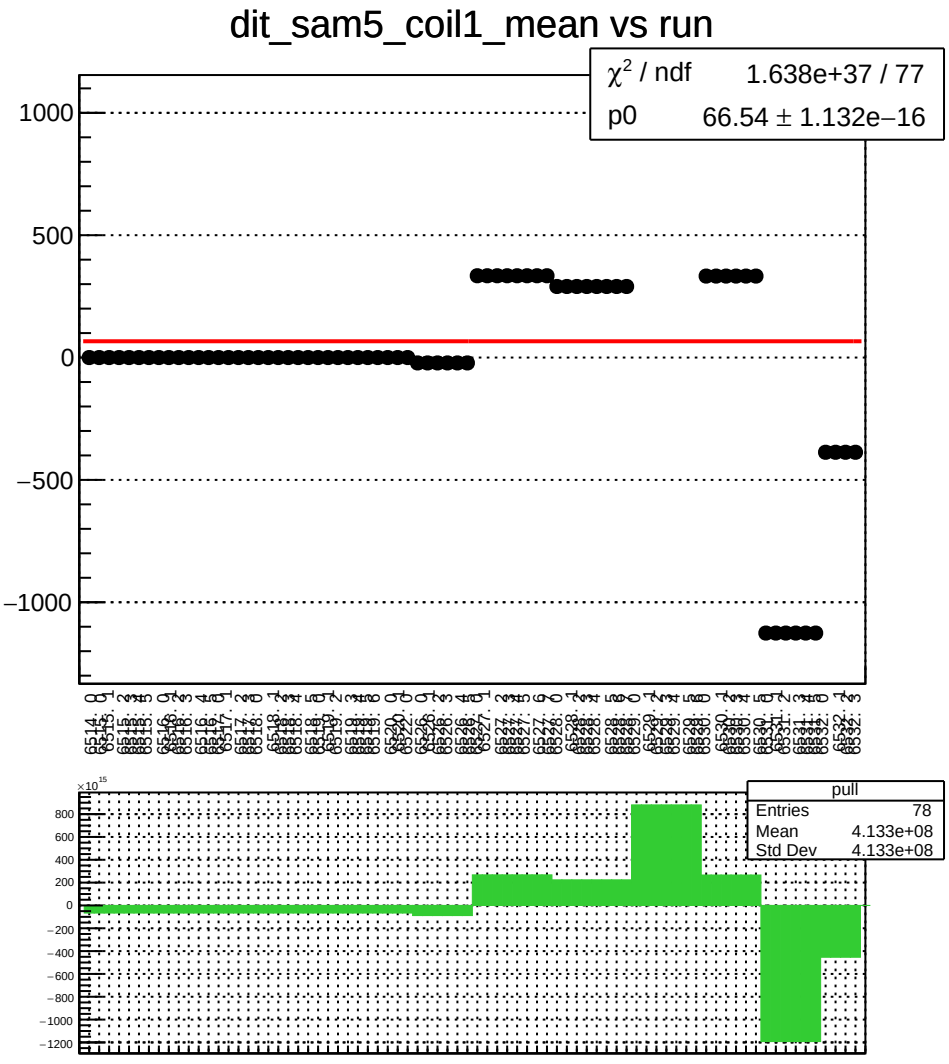

dit_sam4_coil1_mean vs run
χ^2 / ndf inf / 77
p0 5.924e+04 ± 1.132e−16
pull
Entries 78
Mean −1.713e+09
Std Dev 1.713e+09

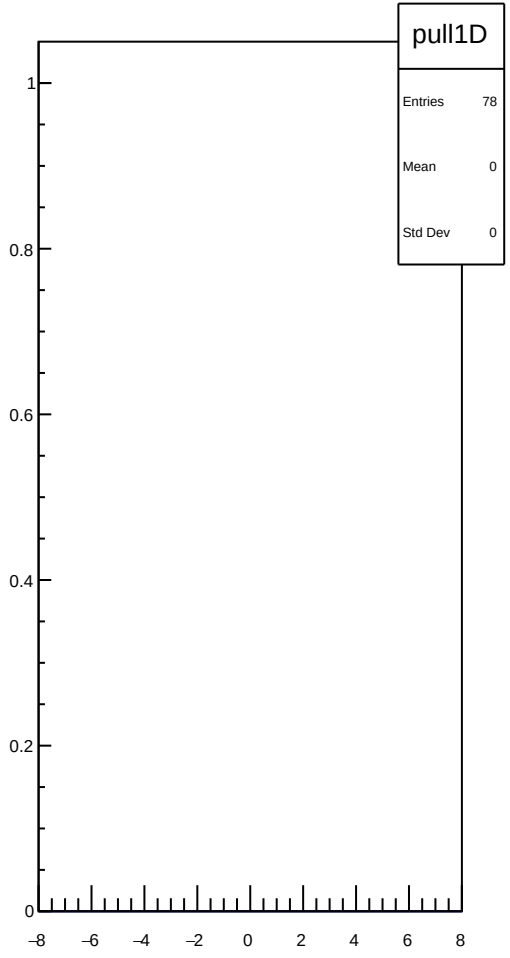

pull1D
Entries 78
Mean 0
Std Dev 0

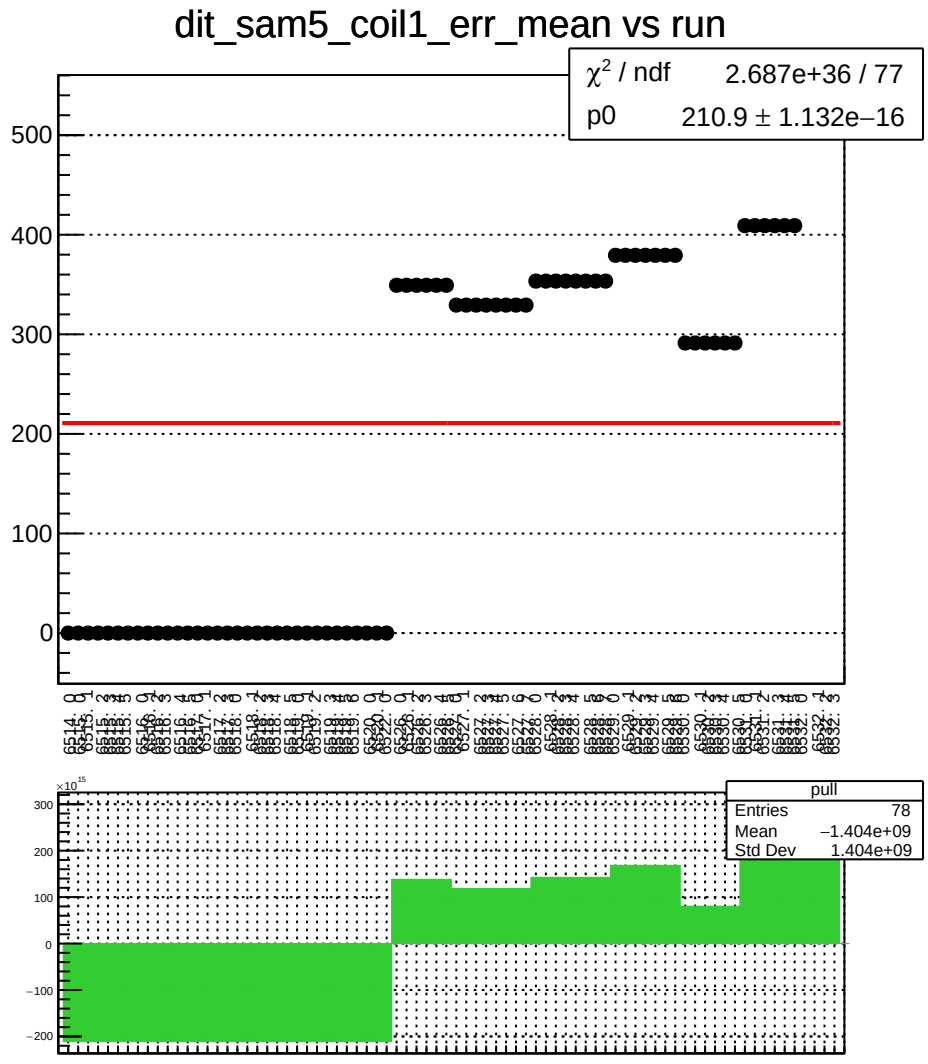

dit_sam4_coil1_err_mean vs run
χ^2 / ndf 1.336e+38 / 77
p0 1462 ± 1.132e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean −1.202e+09
Std Dev 1.202e+09
1500
1000
500
0
−500
−1000
−1500

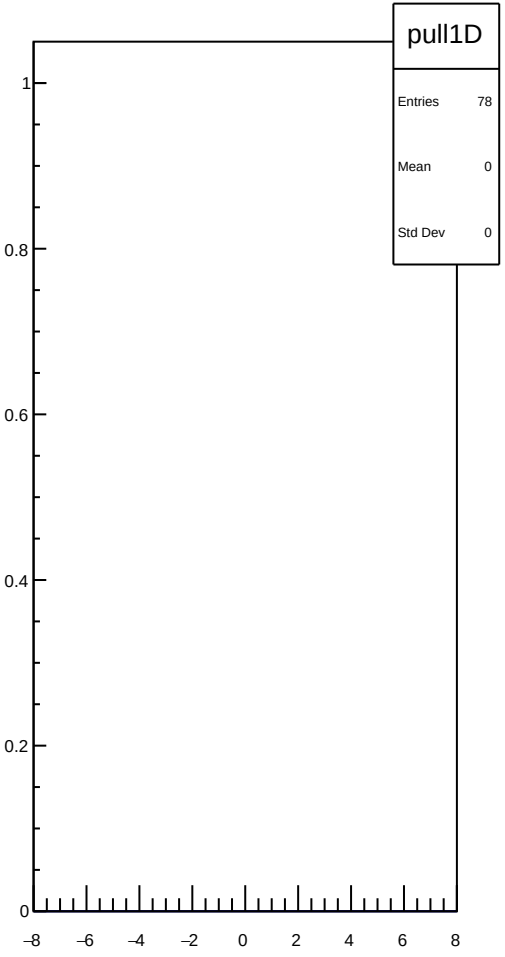

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

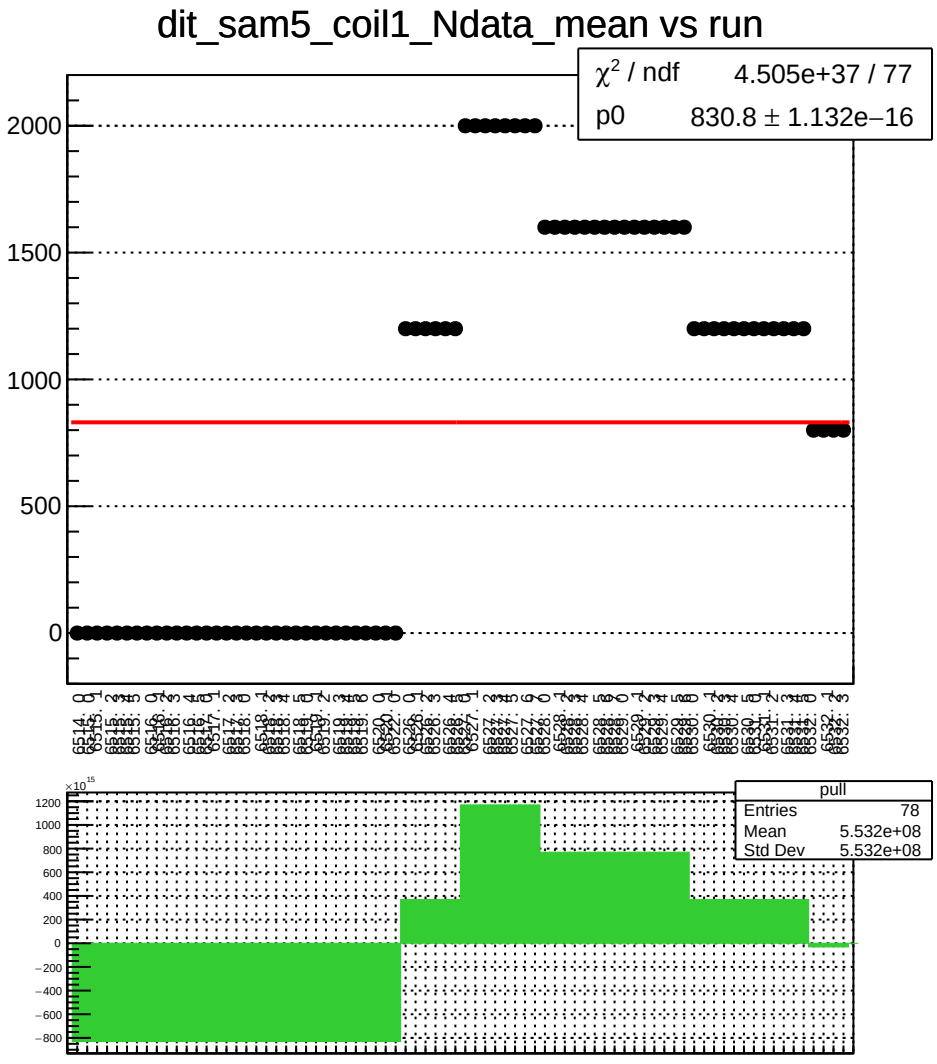

dit_sam4_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

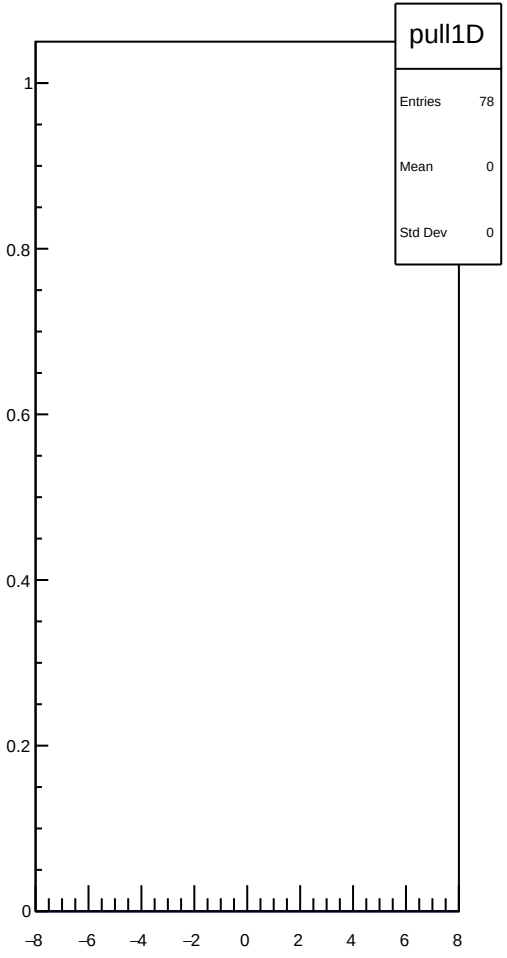

dit_sam5_coil1_mean vs run
χ² / ndf 1.638e+37 / 77
p0 66.54 ± 1.132e−16
1000
500
0
−500
−1000
pull
Entries 78
Mean 4.133e+08
Std Dev 4.133e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

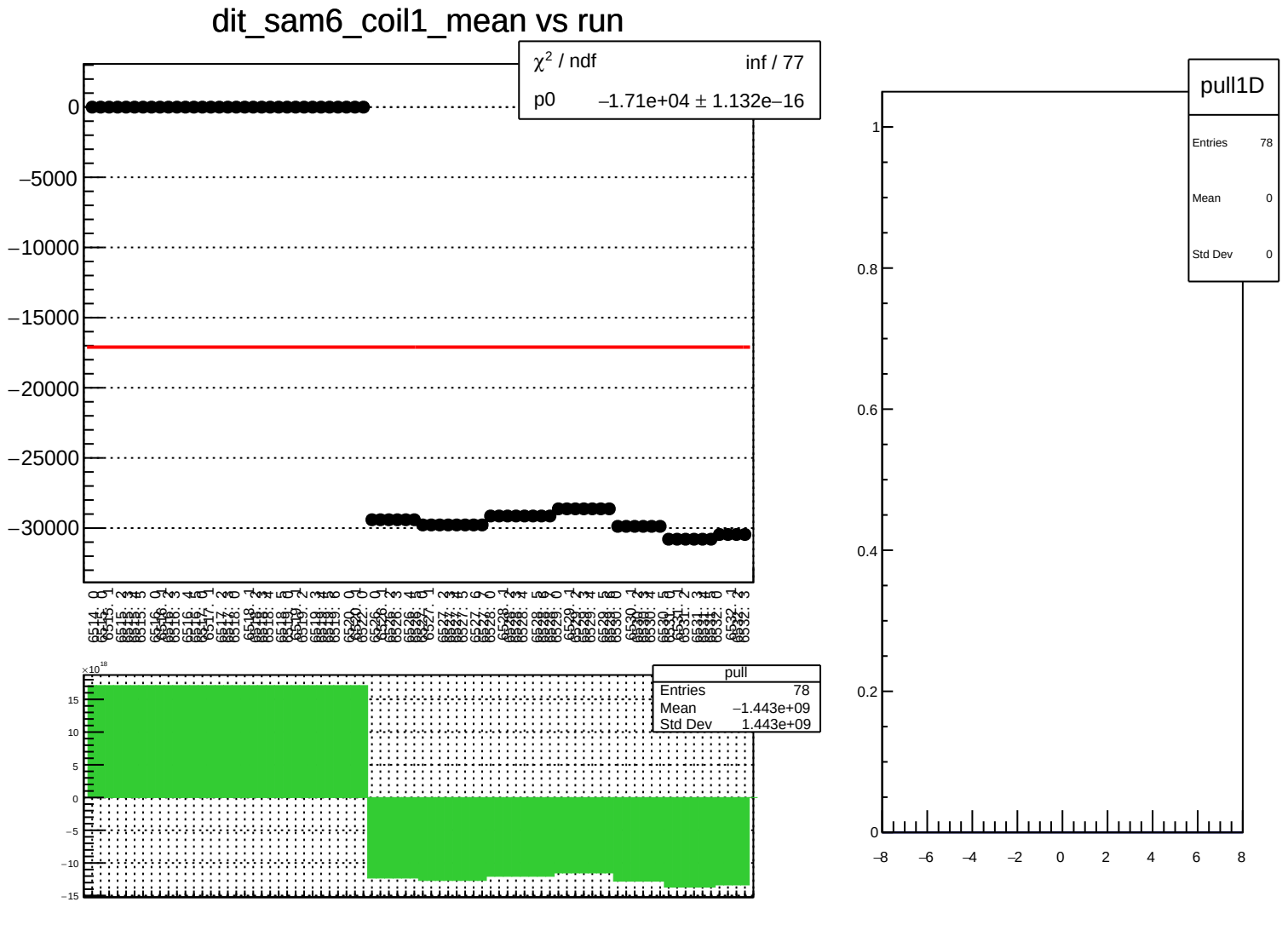

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil1_err_mean vs run
χ^2 / ndf 2.687e+36 / 77
p0 210.9 ± 1.132e−16
pull
Entries 78
Mean −1.404e+09
Std Dev 1.404e+09

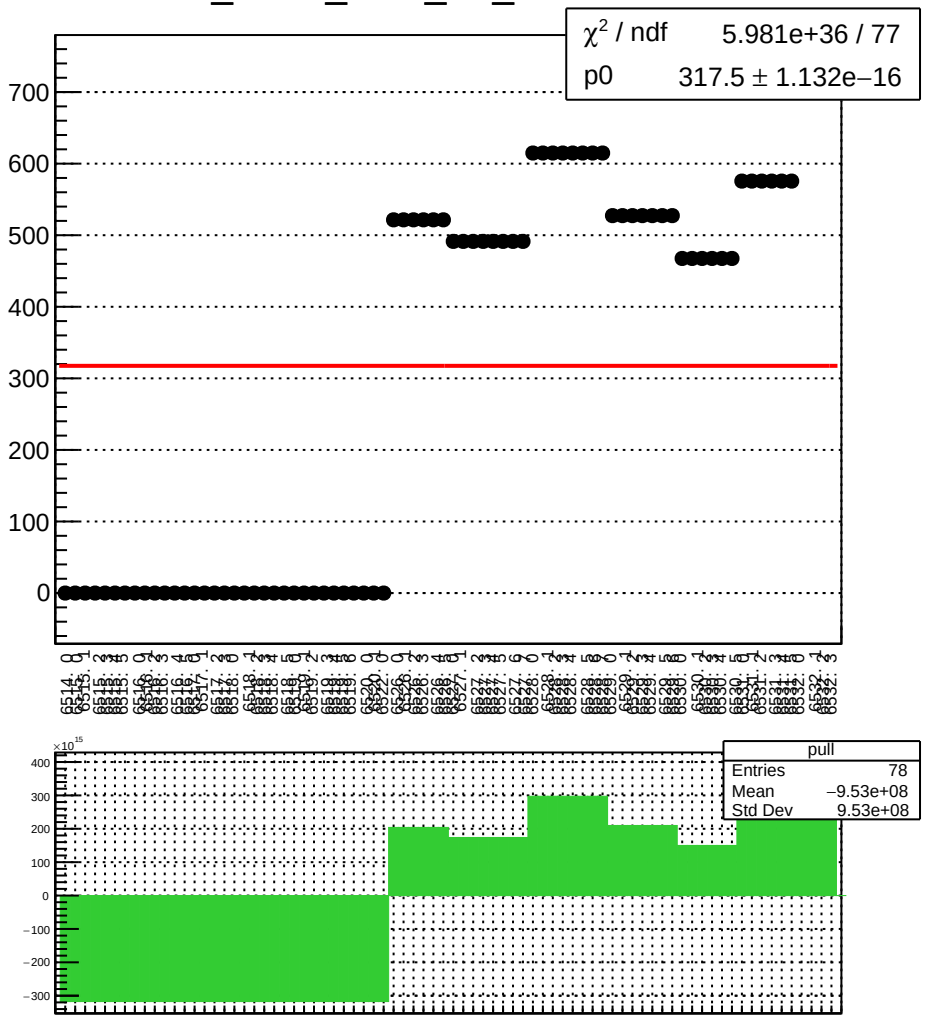

pull1D
Entries 78
Mean 0
Std Dev 0

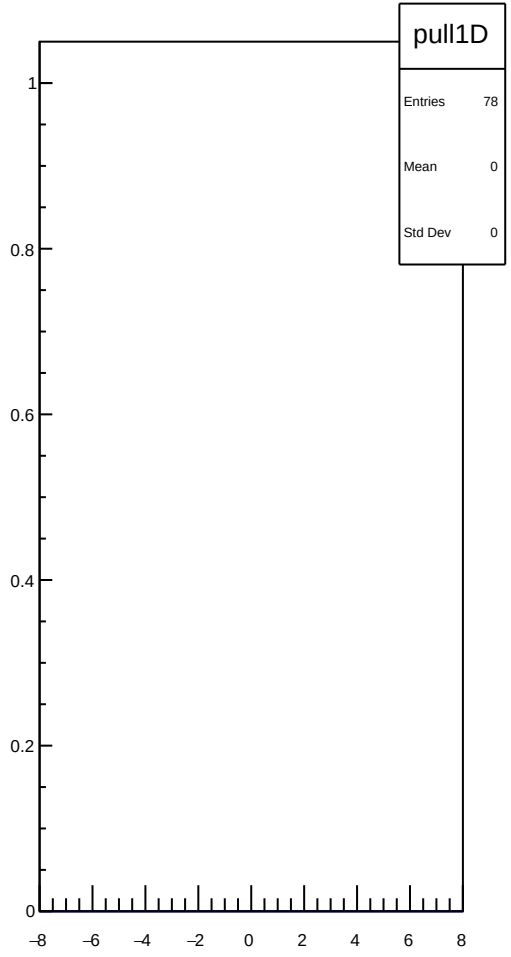

dit_sam5_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800


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

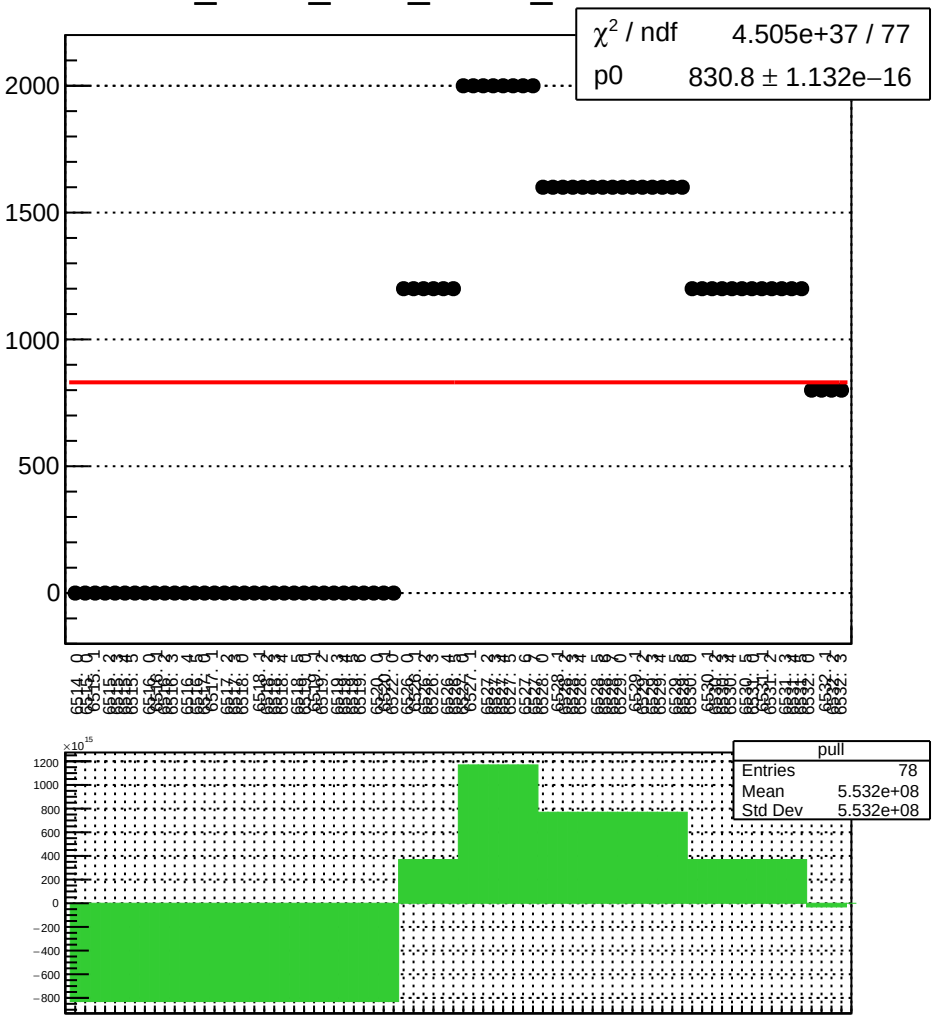

dit_sam6_coil1_mean vs run
χ² / ndf inf / 77
p0 −1.71e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 78
Mean −1.443e+09
Std Dev 1.443e+09
×10¹⁸
15
10
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

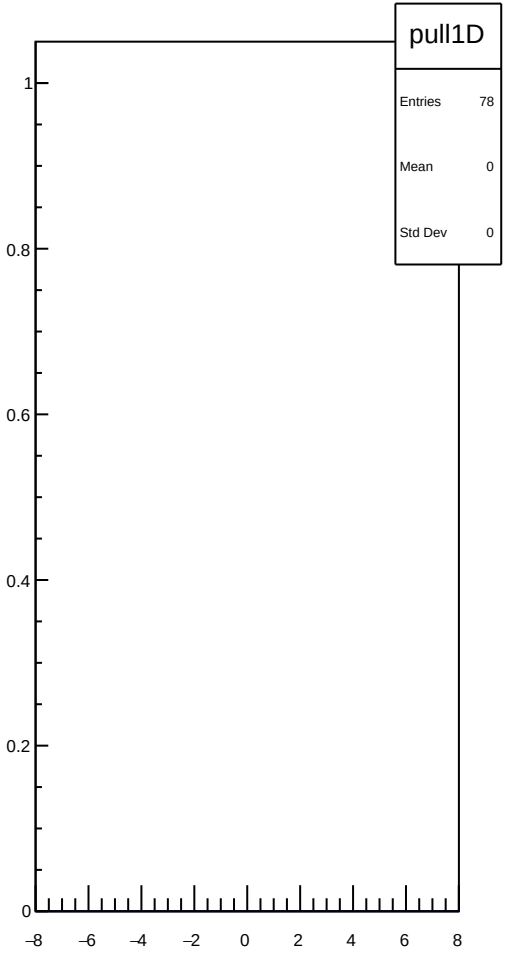
dit_sam6_coil1_err_mean vs run

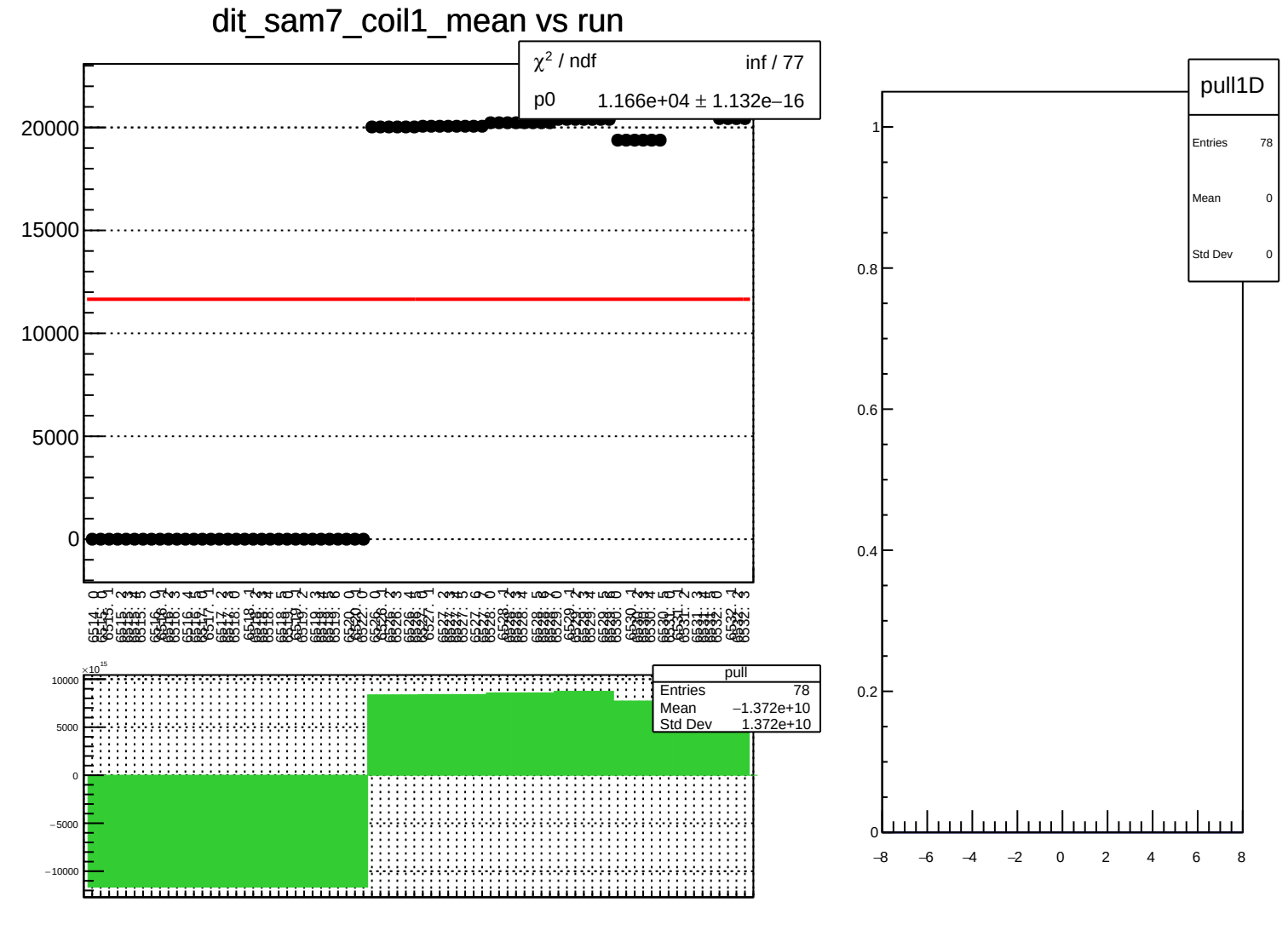


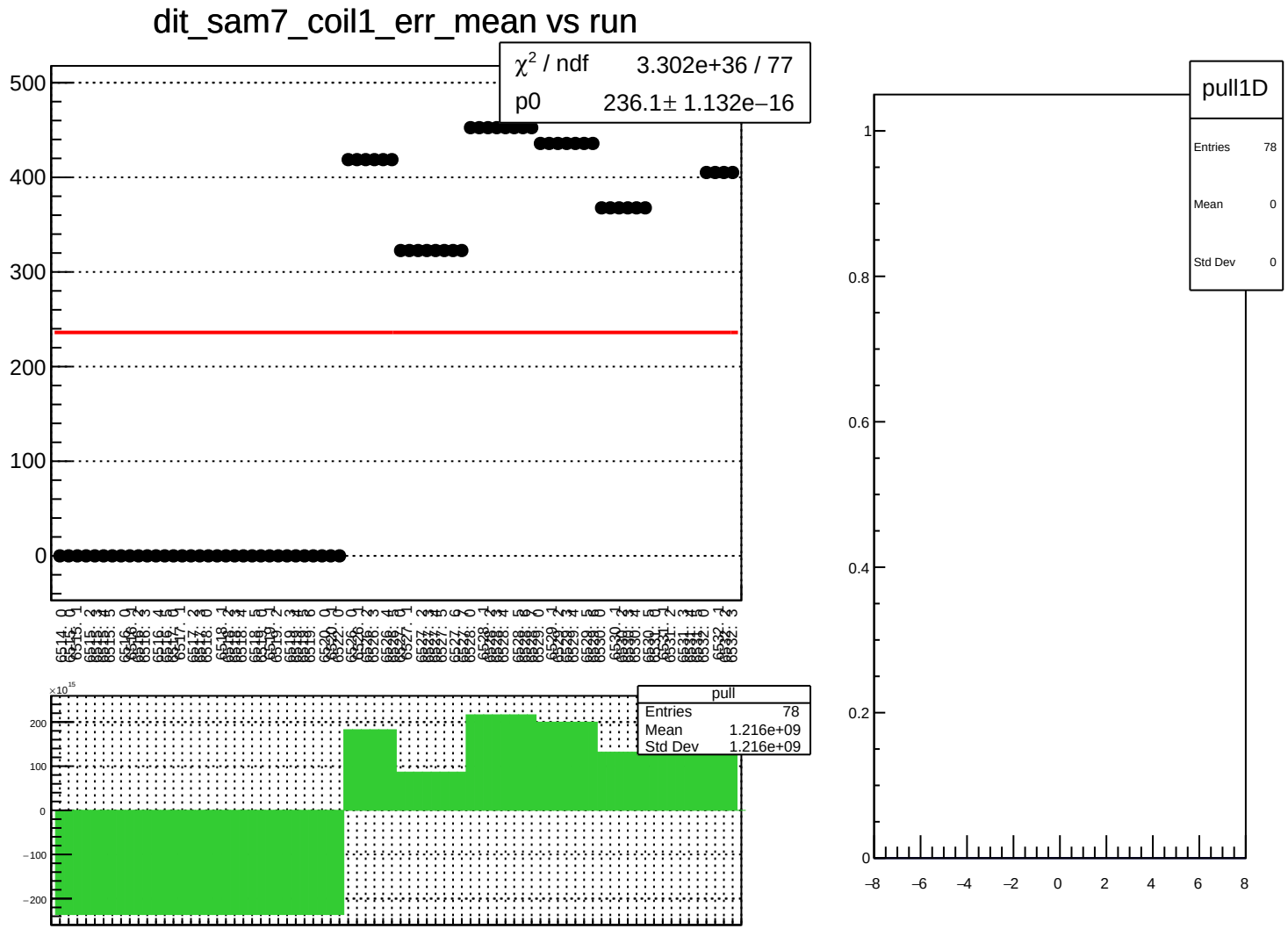


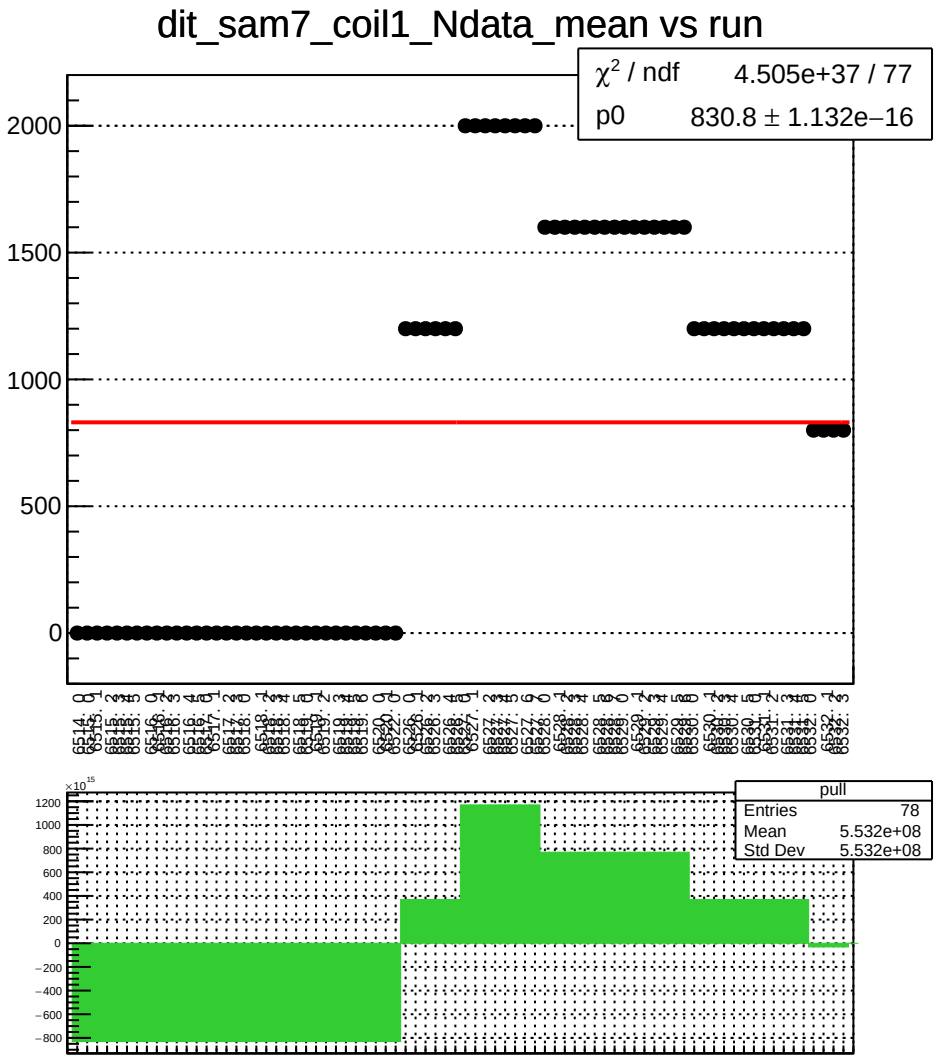
dit_sam6_coil1_Ndata_mean vs run

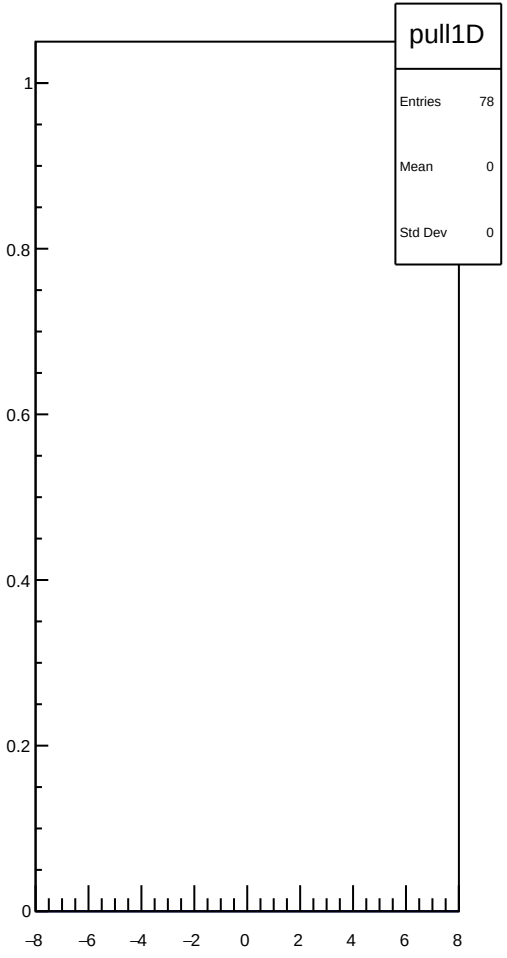


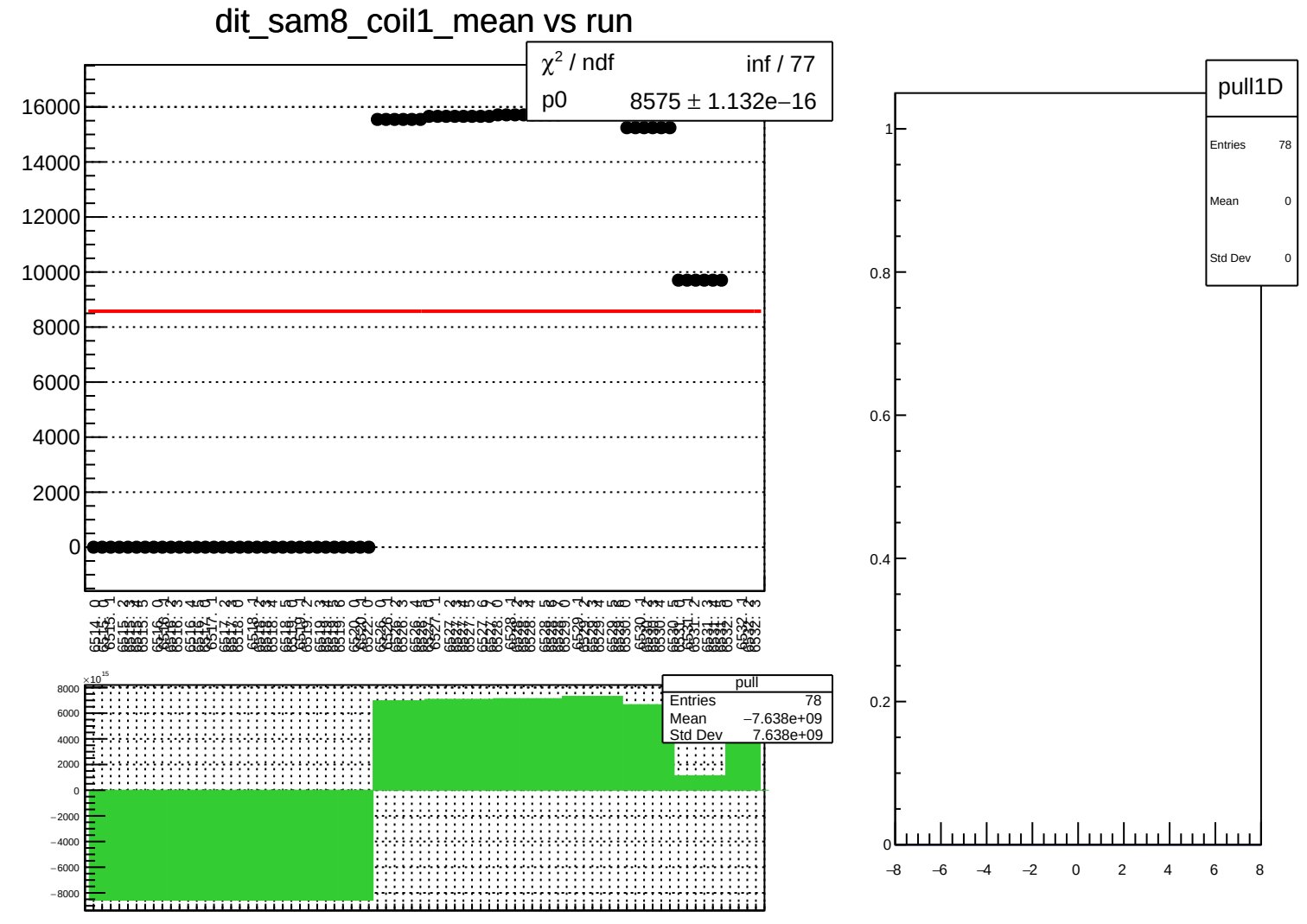



dit_sam7_coil1_mean vs run
χ² / ndf inf / 77
p0 1.166e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.372e+10
Std Dev 1.372e+10
10000
5000
0
−5000
−10000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

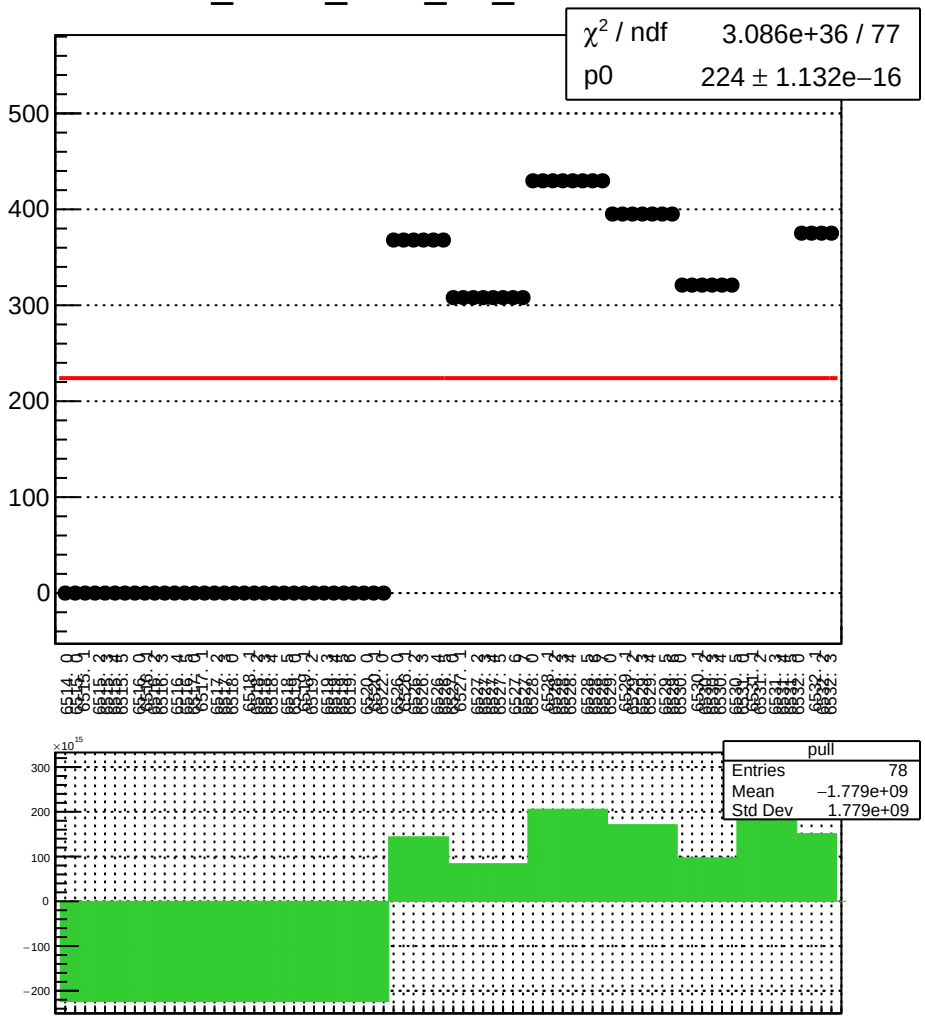

dit_sam7_coil1_err_mean vs run
χ² / ndf 3.302e+36 / 77
p0 236.1± 1.132e−16
pull
Entries 78
Mean 1.216e+09
Std Dev 1.216e+09
pull1D
Entries 78
Mean 0
Std Dev 0

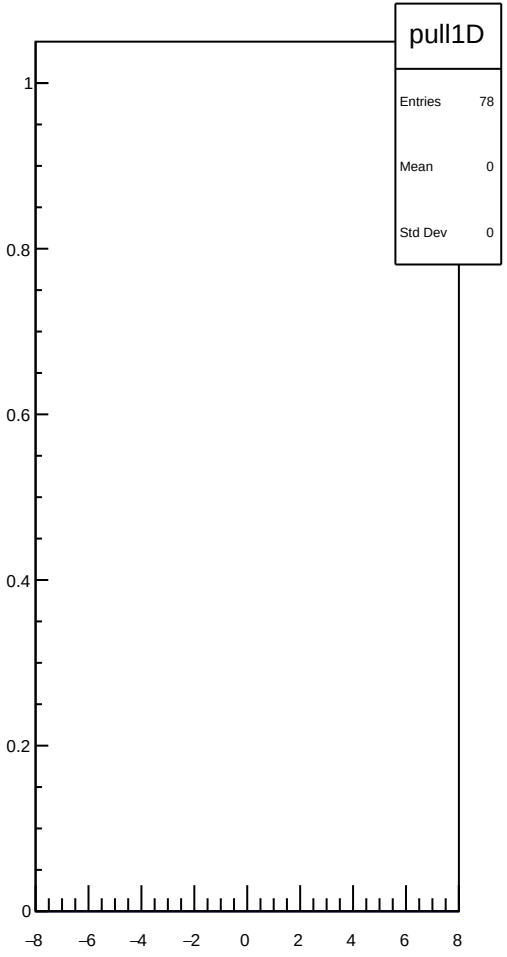

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

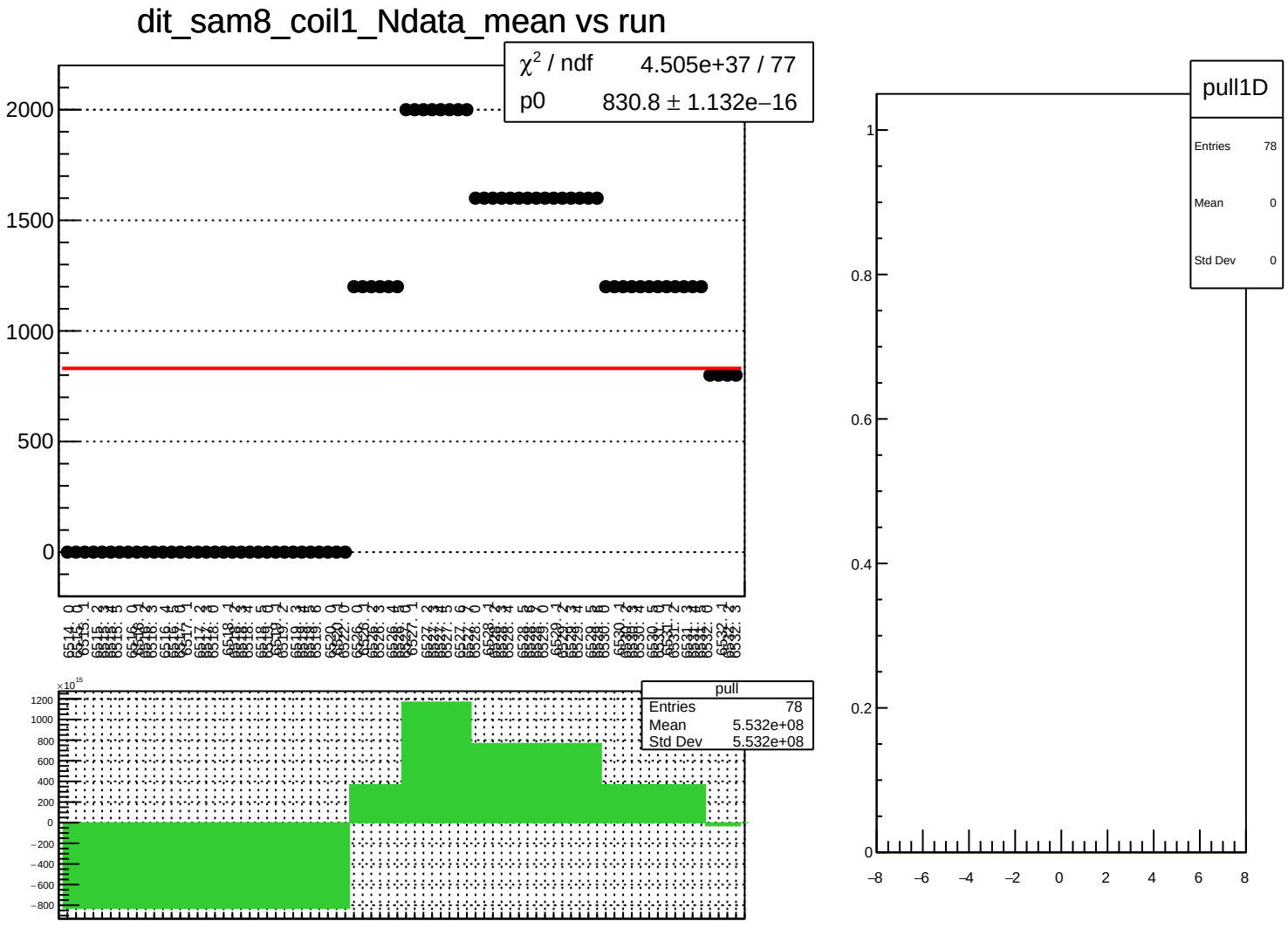

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

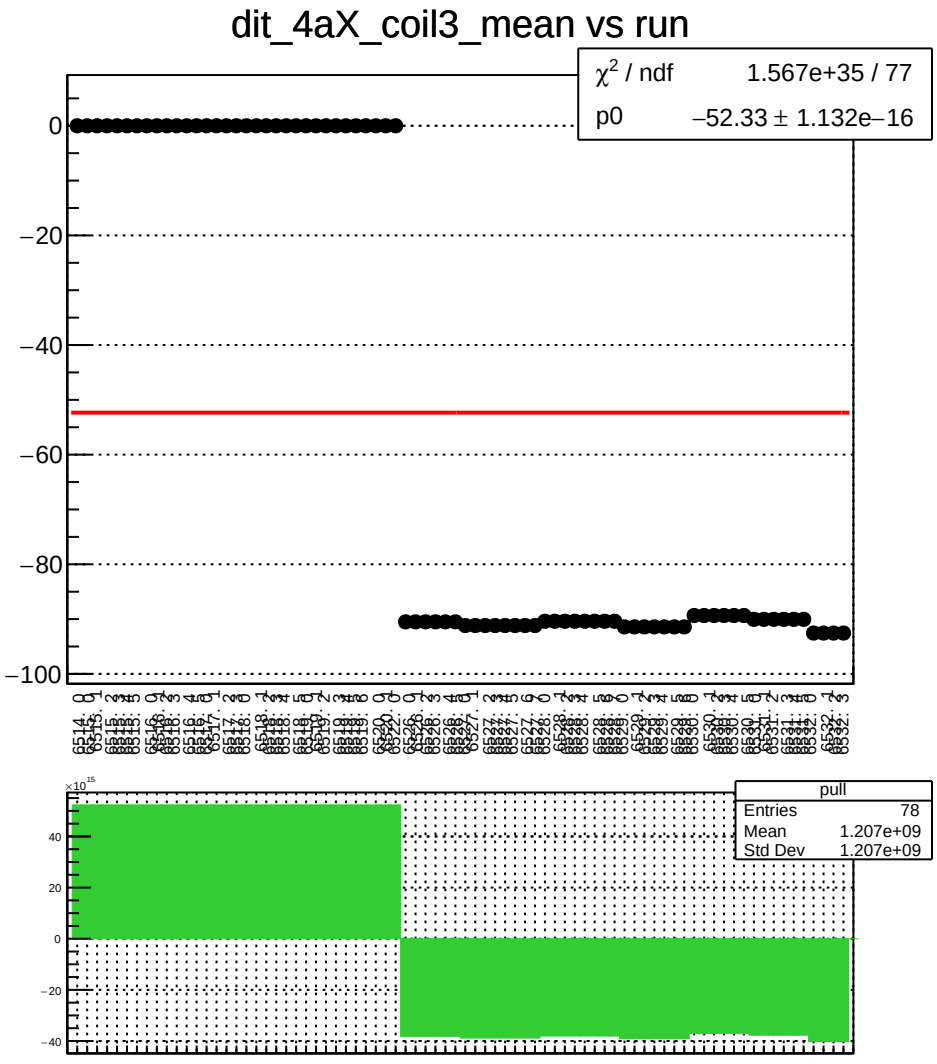

dit_sam8_coil1_mean vs run
χ² / ndf inf / 77
p0 8575 ± 1.132e−16
pull
Entries 78
Mean −7.638e+09
Std Dev 7.638e+09
pull1D
Entries 78
Mean 0
Std Dev 0

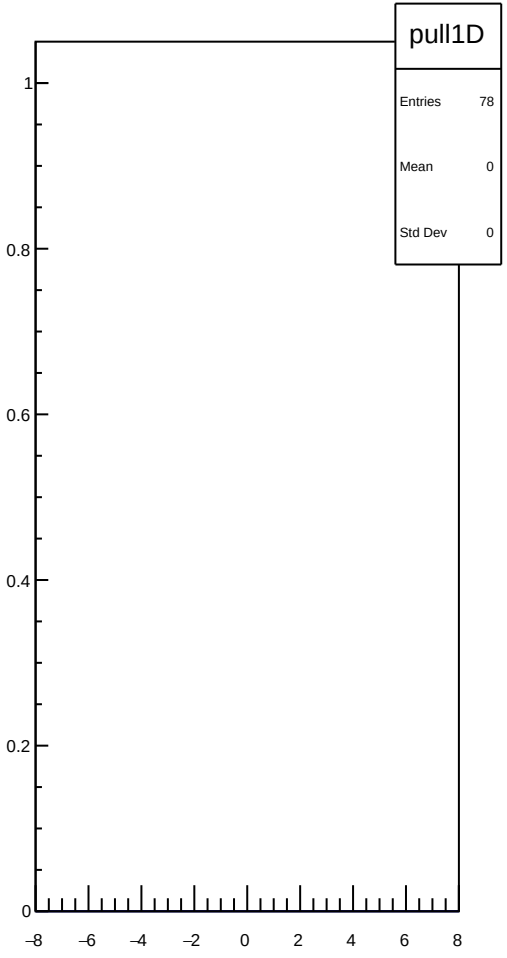
dit_sam8_coil1_err_mean vs run



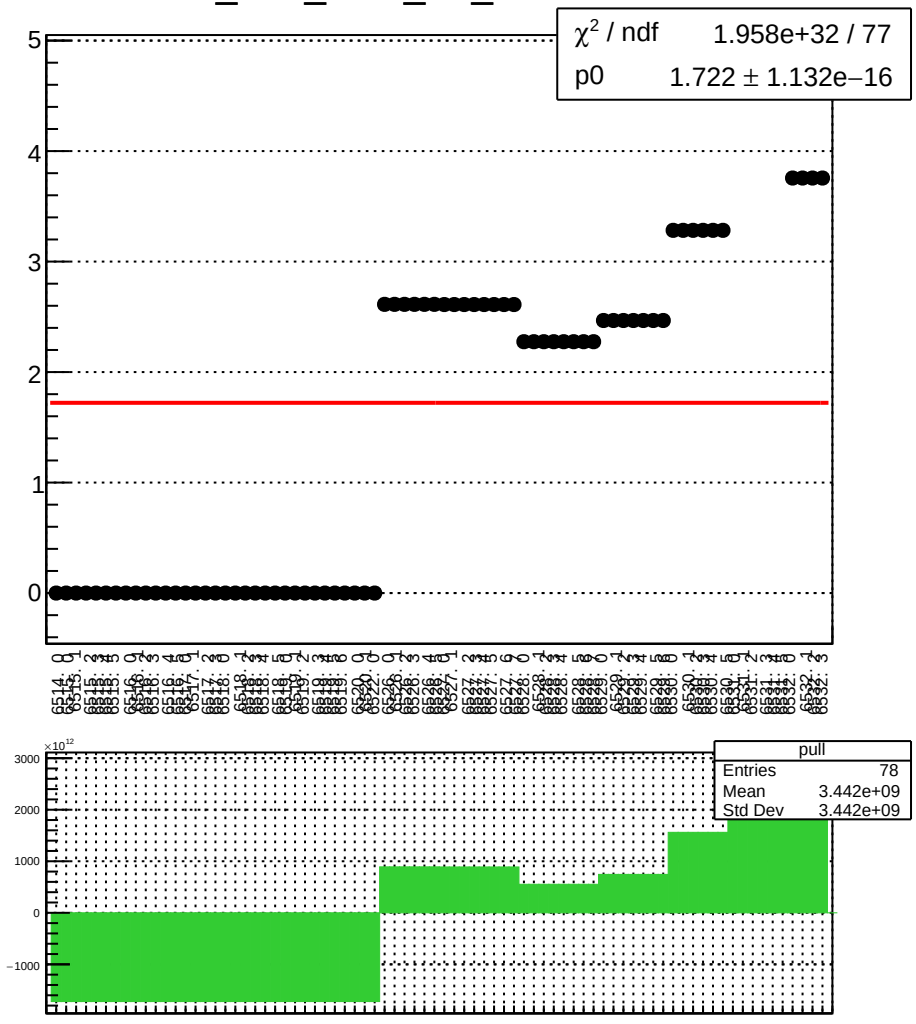


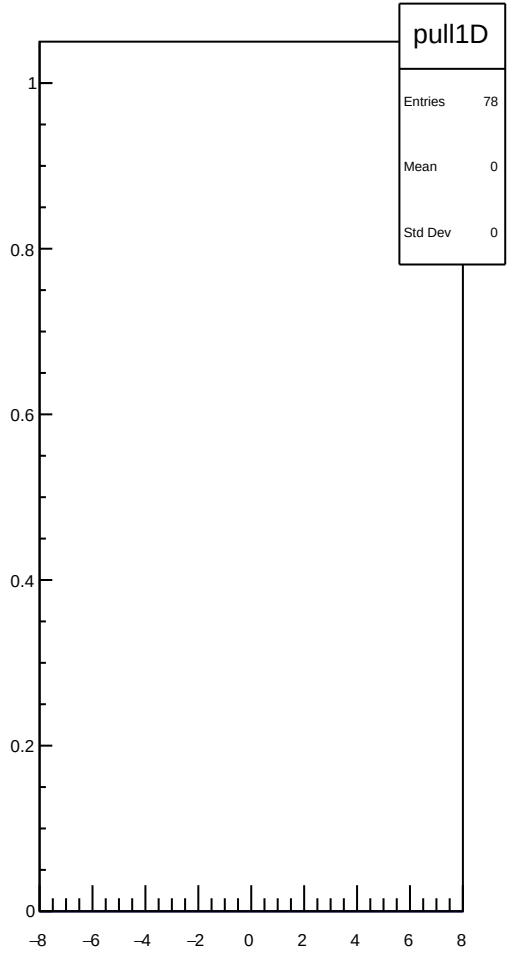

dit_sam8_coil1_Ndata_mean vs run
χ^2 / ndf 4.505e+37 / 77
p0 830.8 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.532e+08
Std Dev 5.532e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil3_mean vs run
χ^2 / ndf 1.567e+35 / 77
p0 −52.33 ± 1.132e−16
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean 1.207e+09
Std Dev 1.207e+09
×10^15
40
20
0
−20
−40

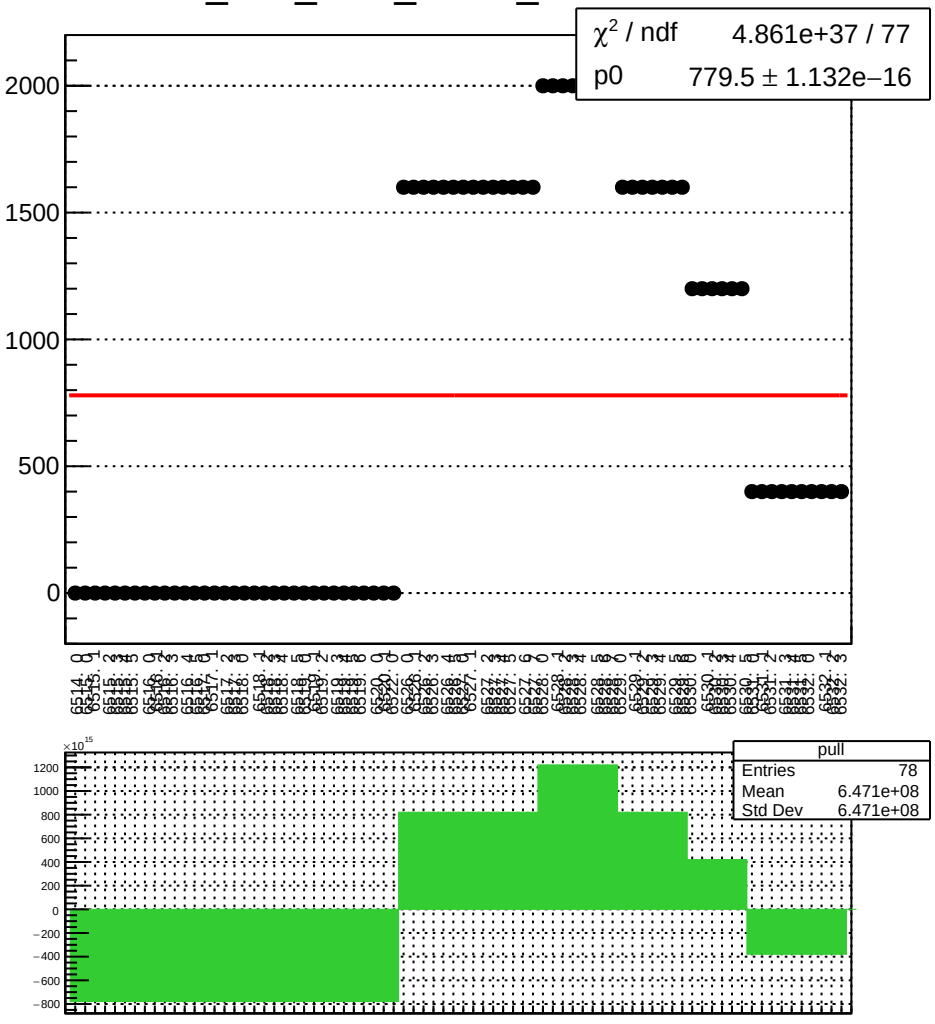

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

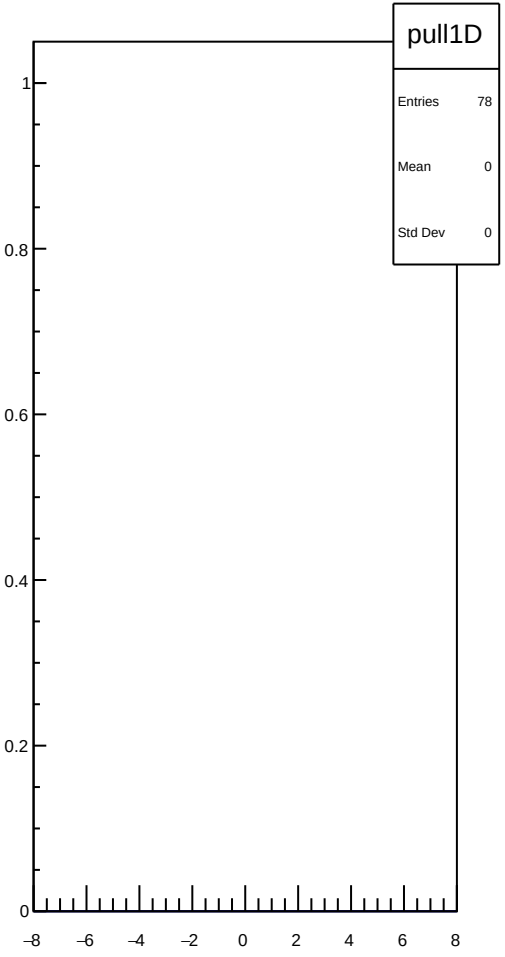
dit_4aX_coil3_err_mean vs run

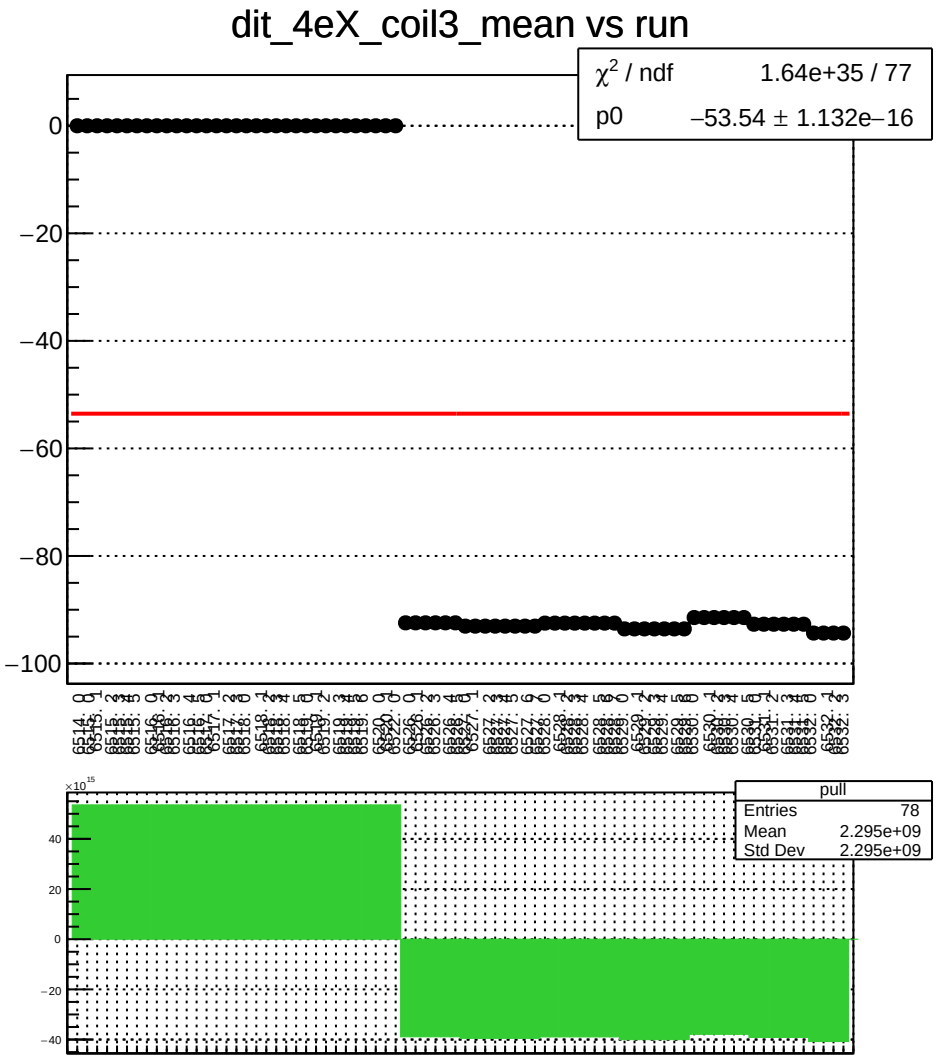


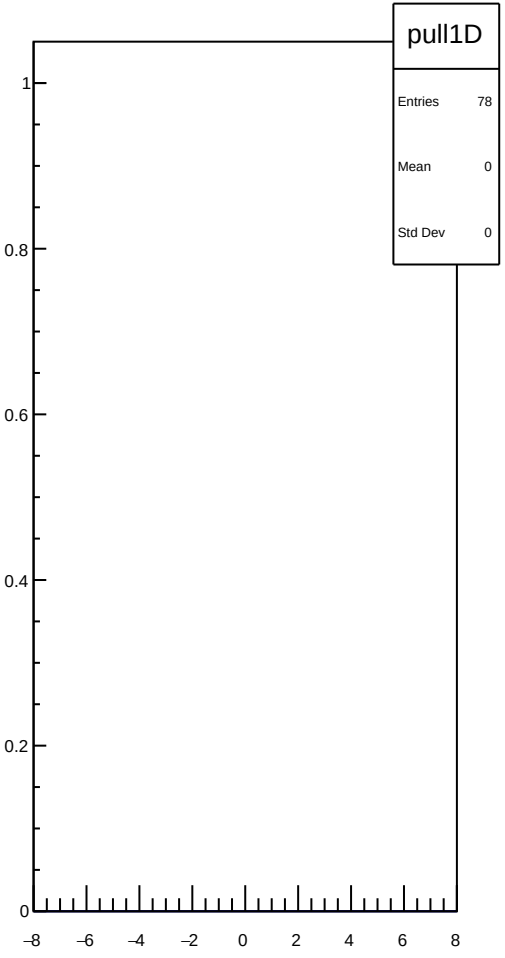


dit_4aX_coil3_Ndata_mean vs run

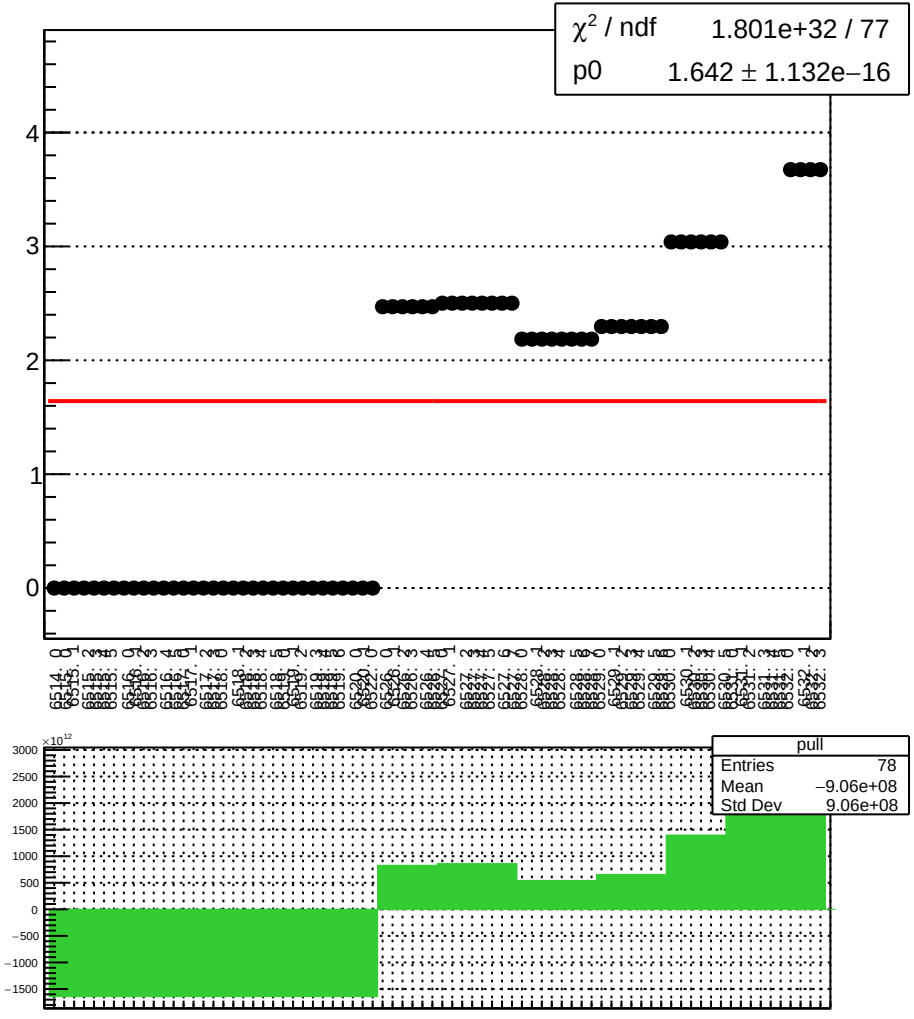


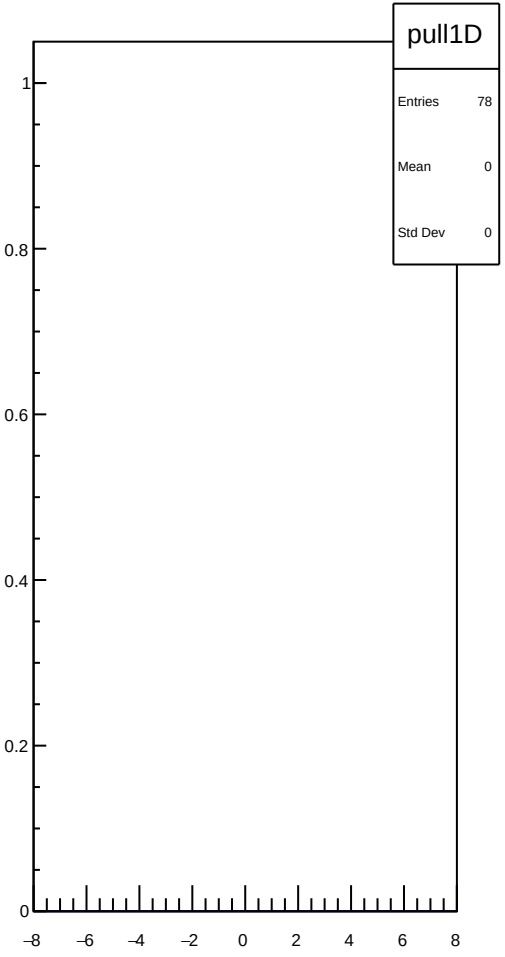



dit_4eX_coil3_mean vs run
χ^2 / ndf 1.64e+35 / 77
p0 −53.54 ± 1.132e−16
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean 2.295e+09
Std Dev 2.295e+09
×10^15
40
20
0
−20
−40

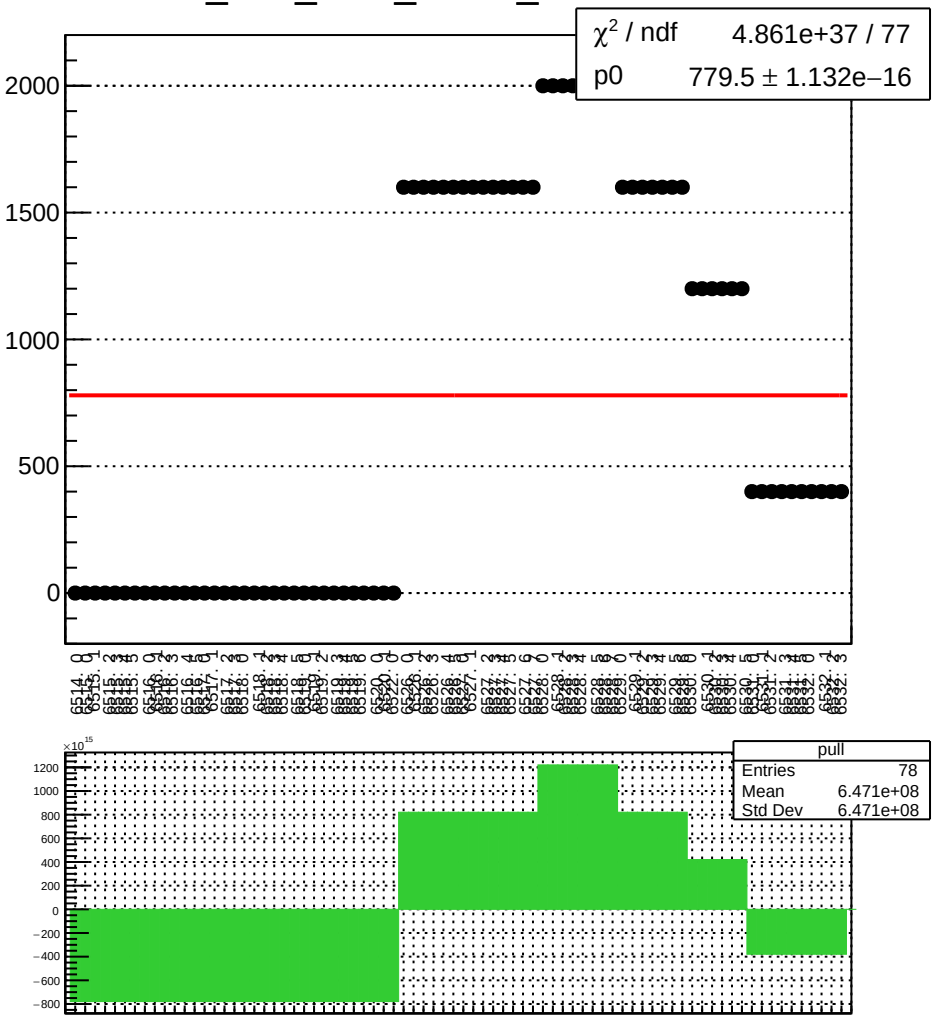

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

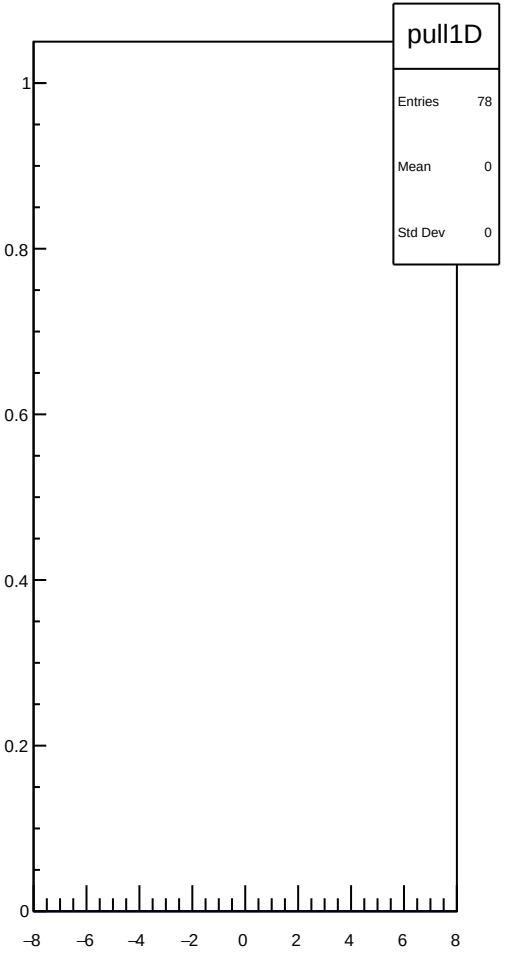
dit_4eX_coil3_err_mean vs run



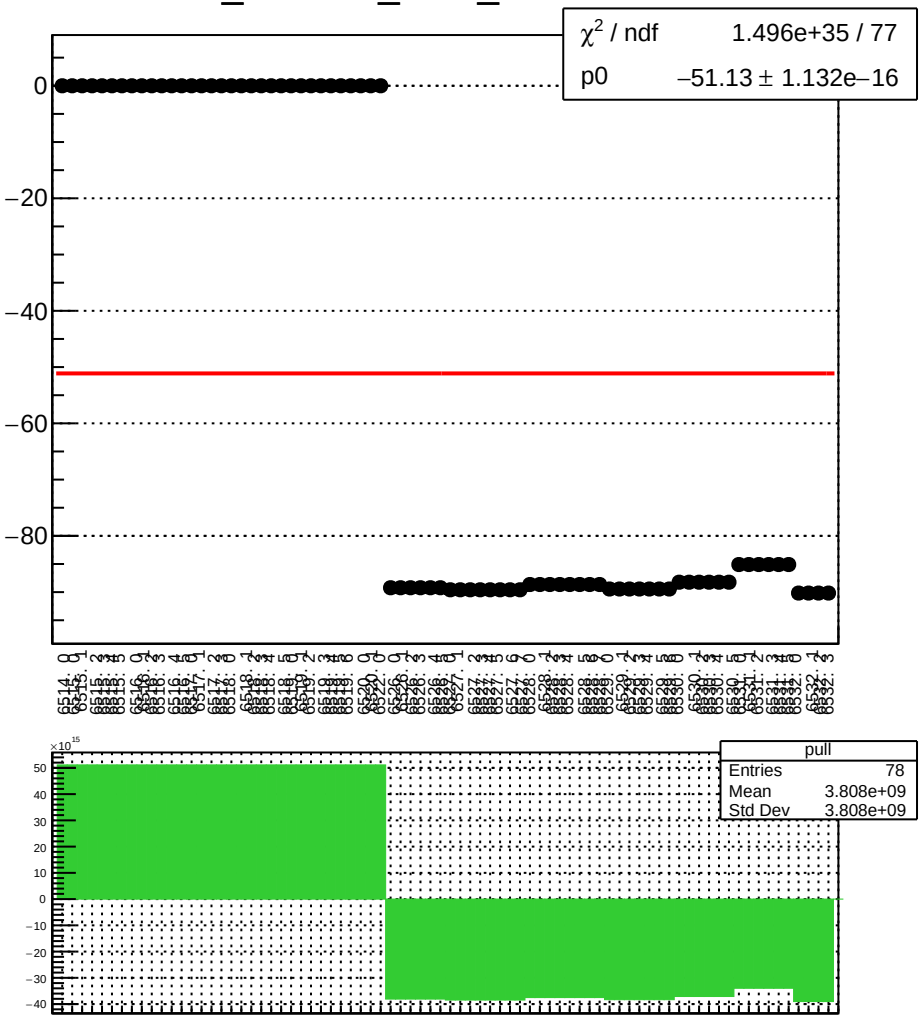


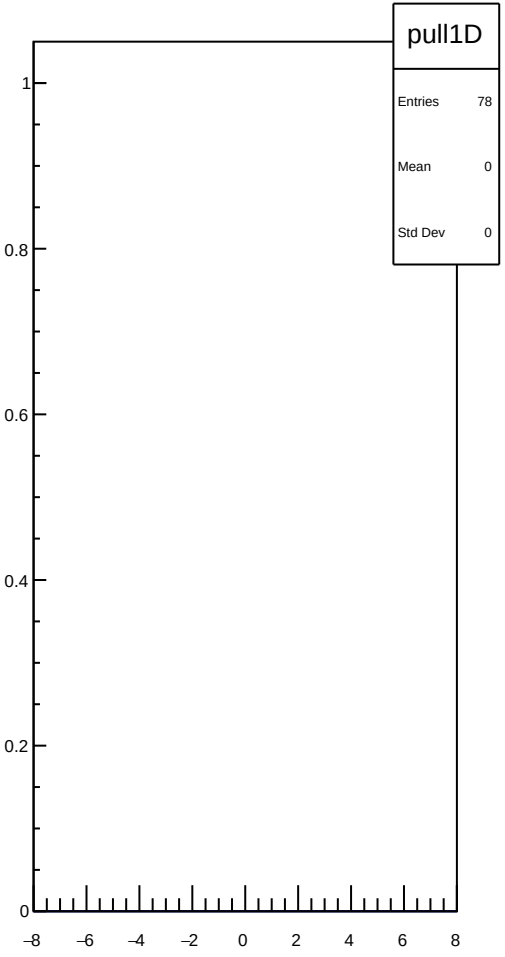
dit_4eX_coil3_Ndata_mean vs run



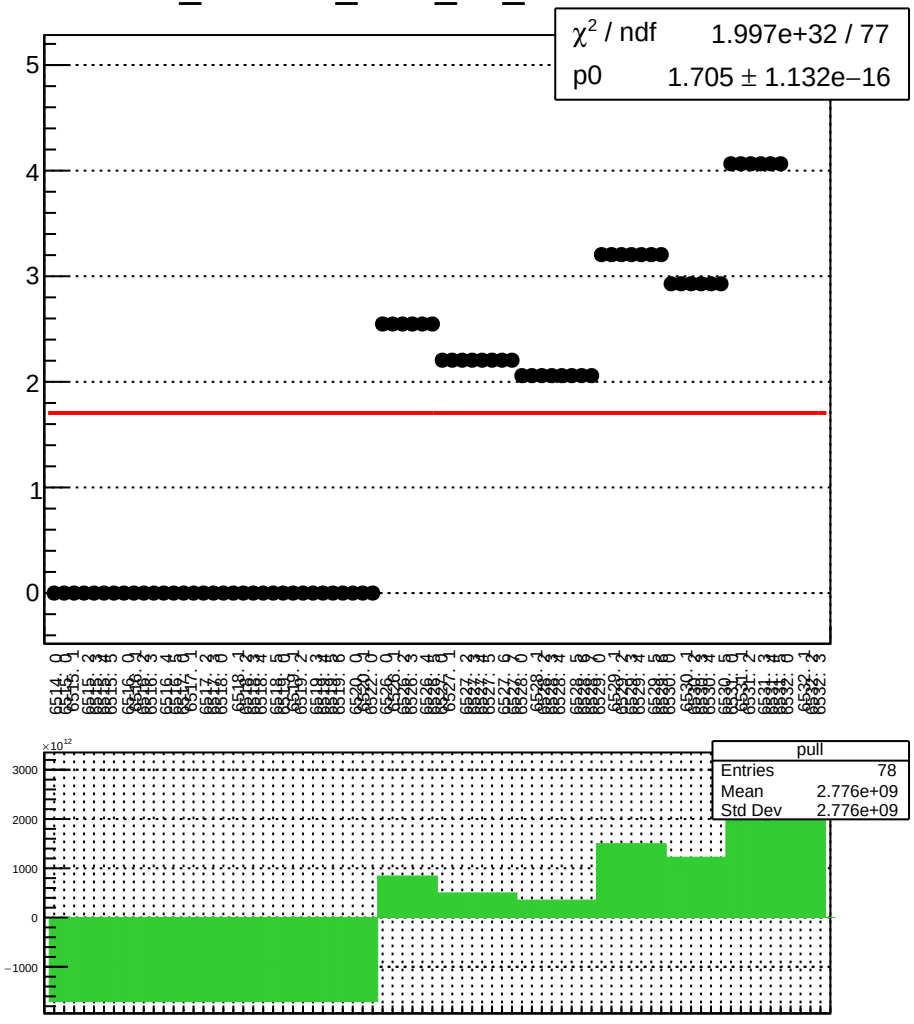


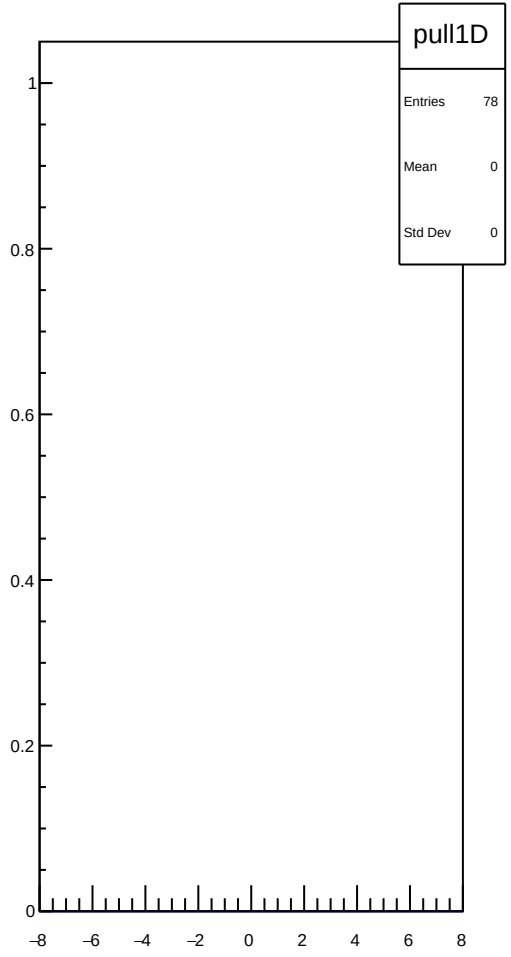
dit_11X12X_coil3_mean vs run



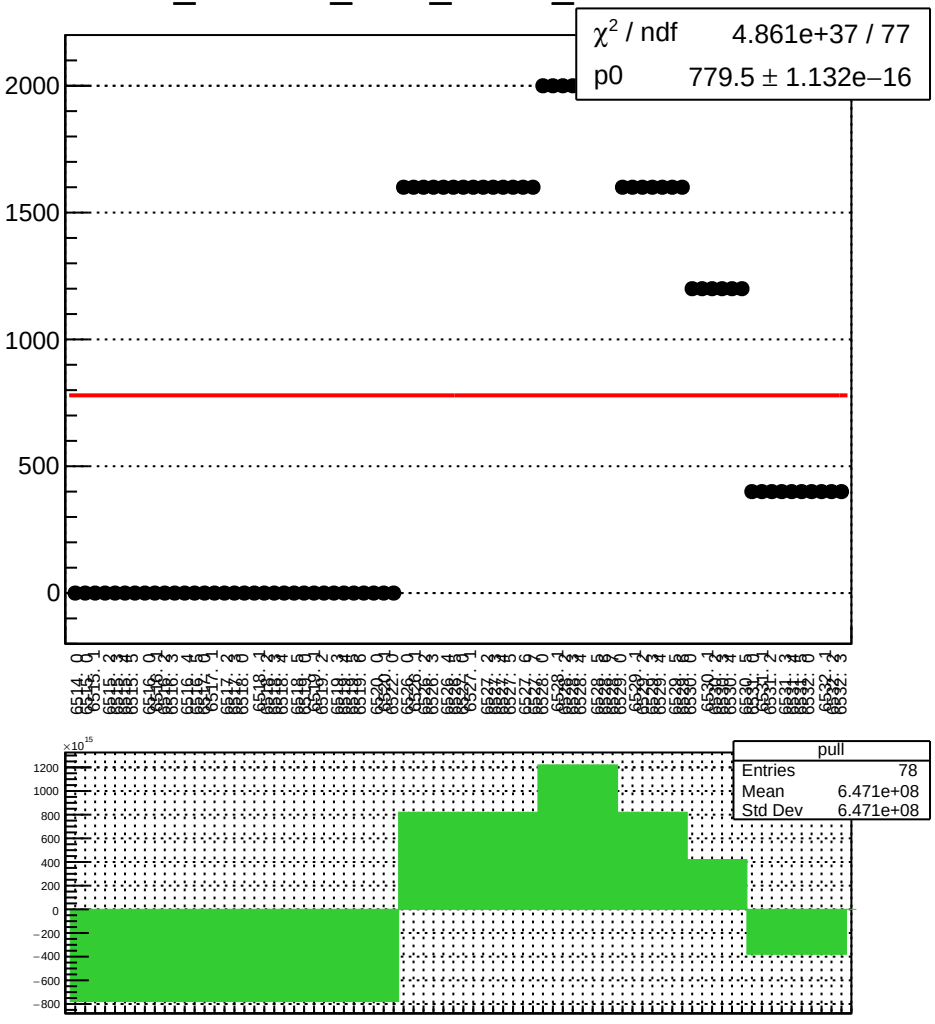


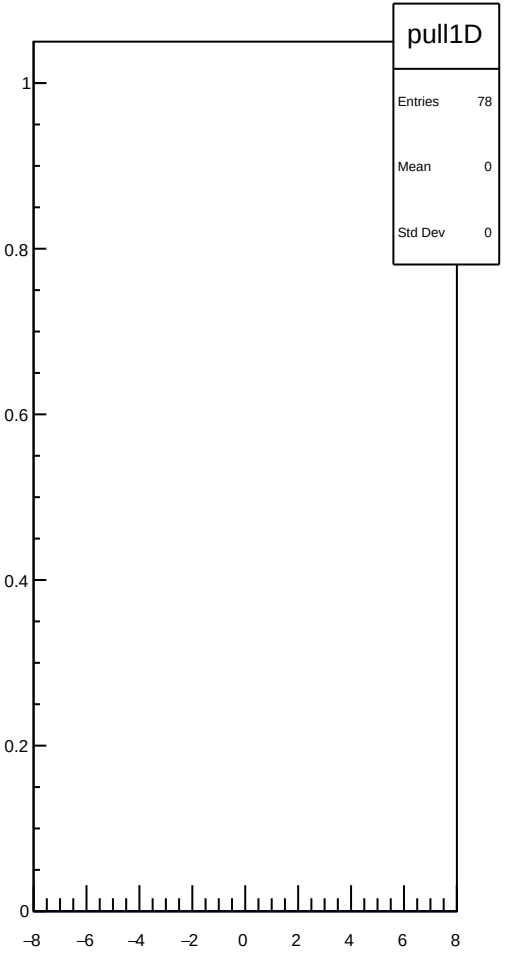
dit_11X12X_coil3_err_mean vs run

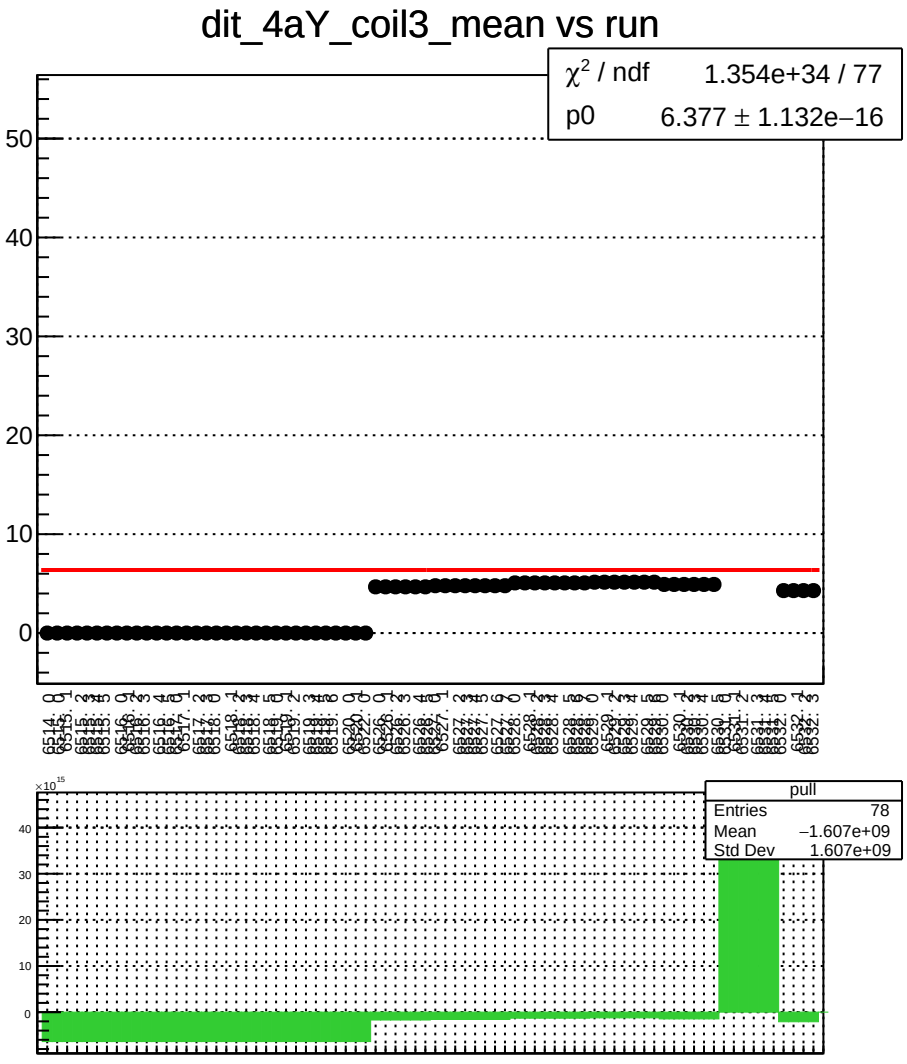


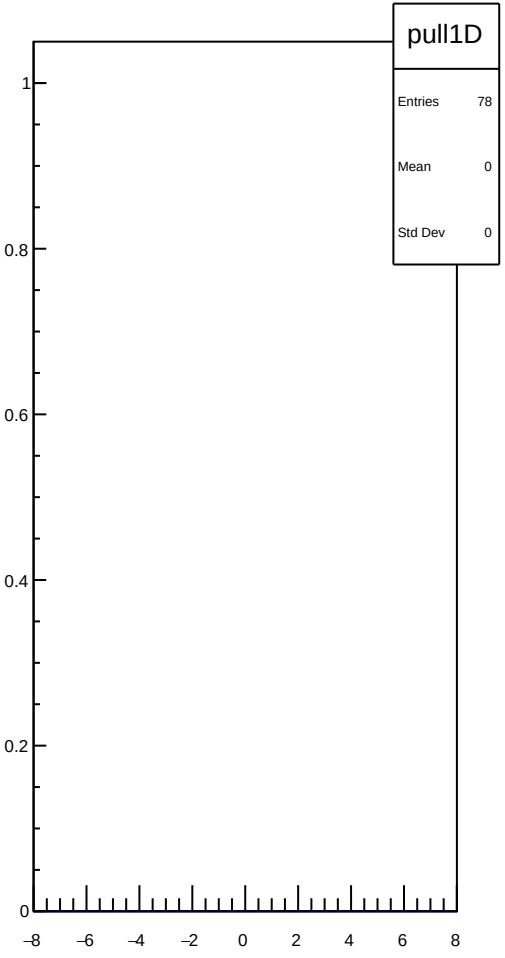


dit_11X12X_coil3_Ndata_mean vs run

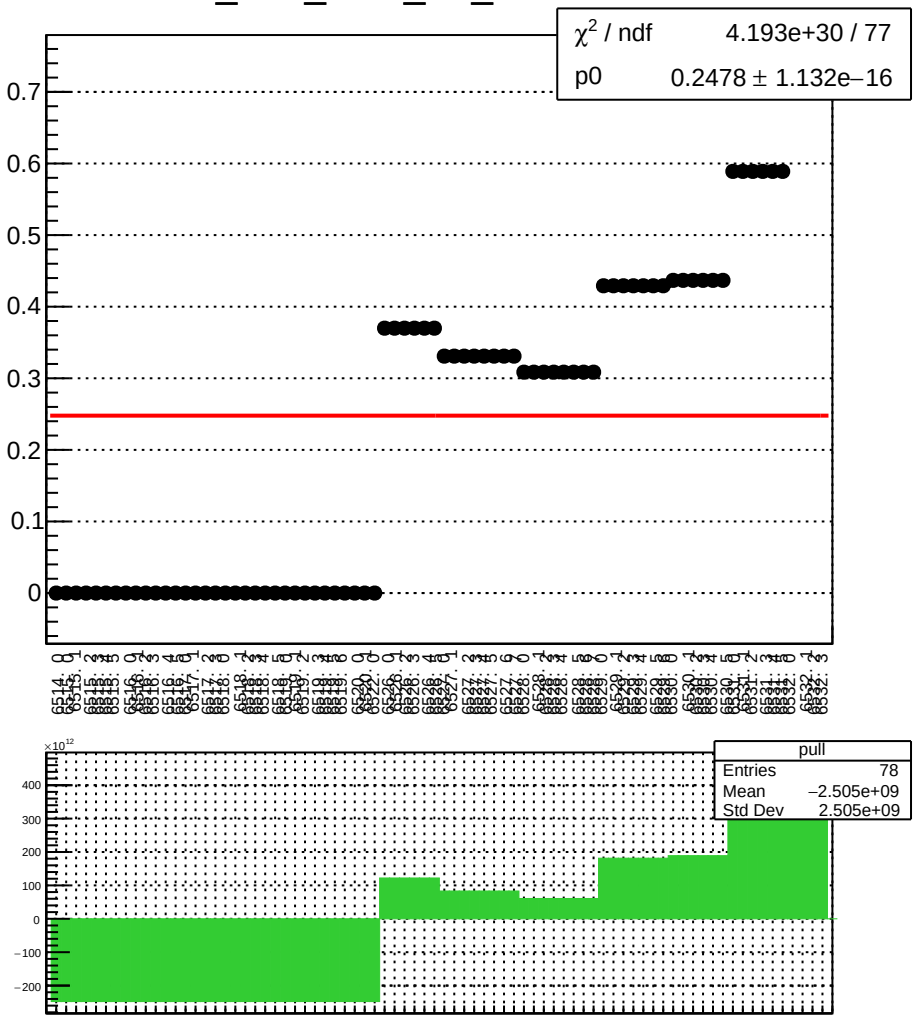


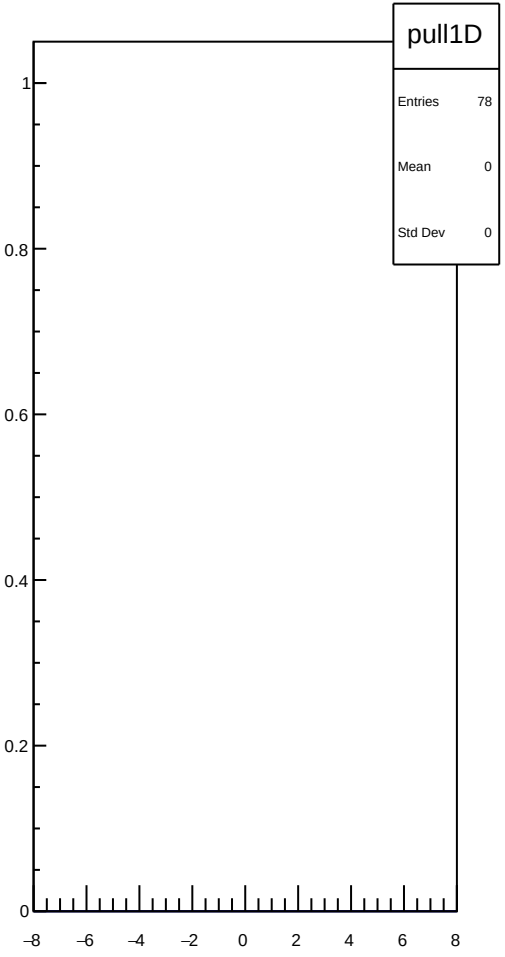



dit_4aY_coil3_mean vs run
χ^2 / ndf 1.354e+34 / 77
p0 6.377 ± 1.132e−16
pull
Entries 78
Mean −1.607e+09
Std Dev 1.607e+09

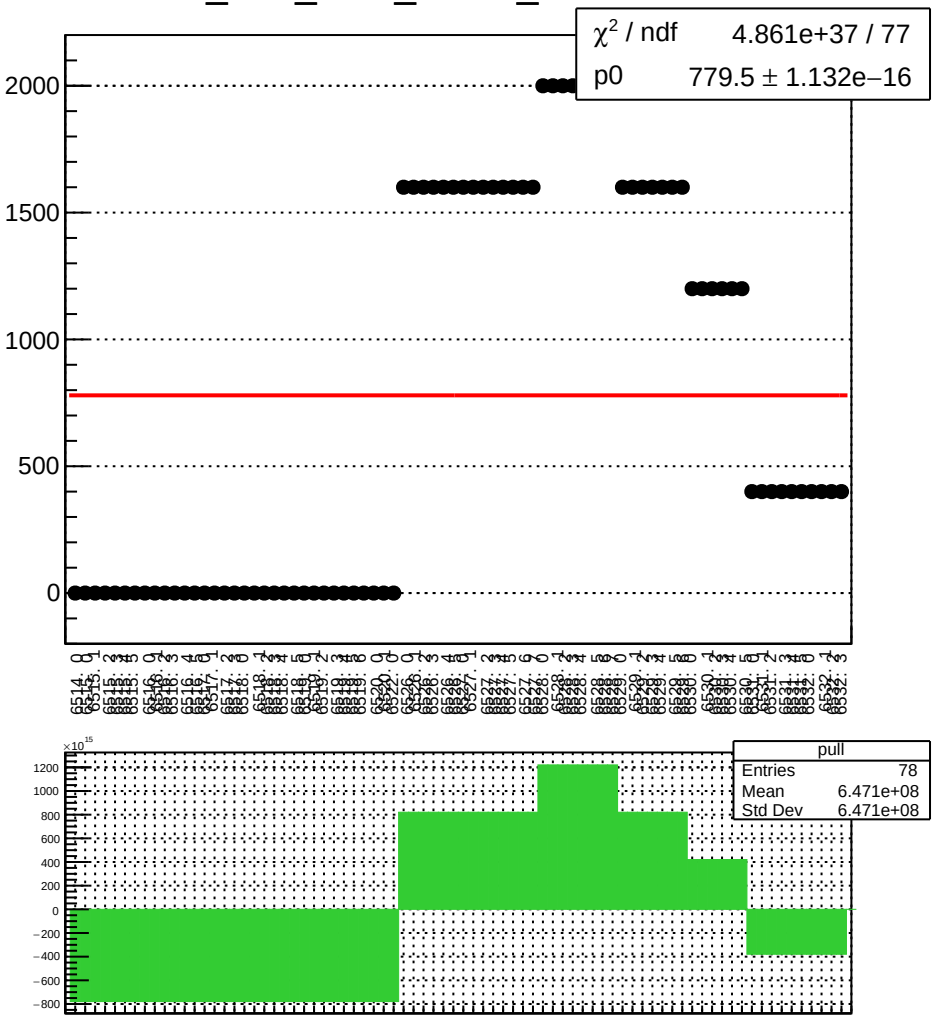

pull1D
Entries 78
Mean 0
Std Dev 0

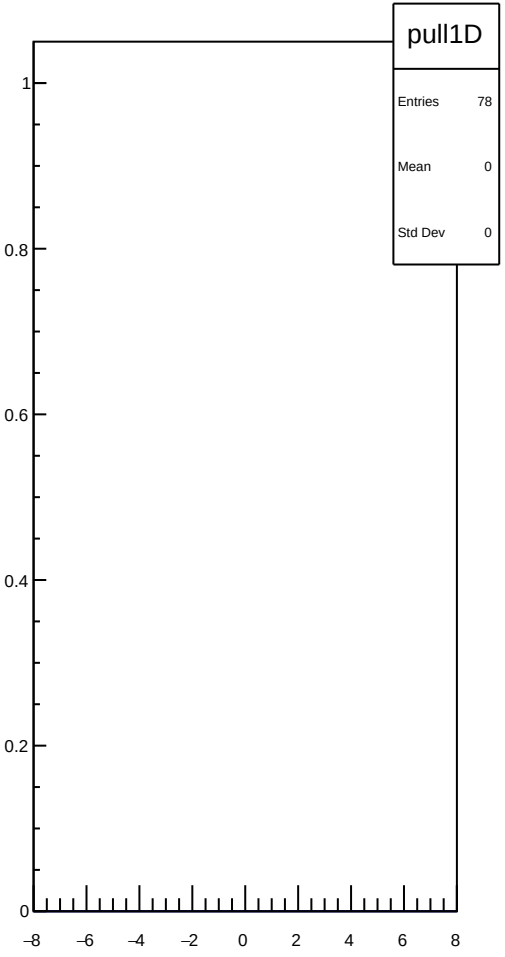
dit_4aY_coil3_err_mean vs run

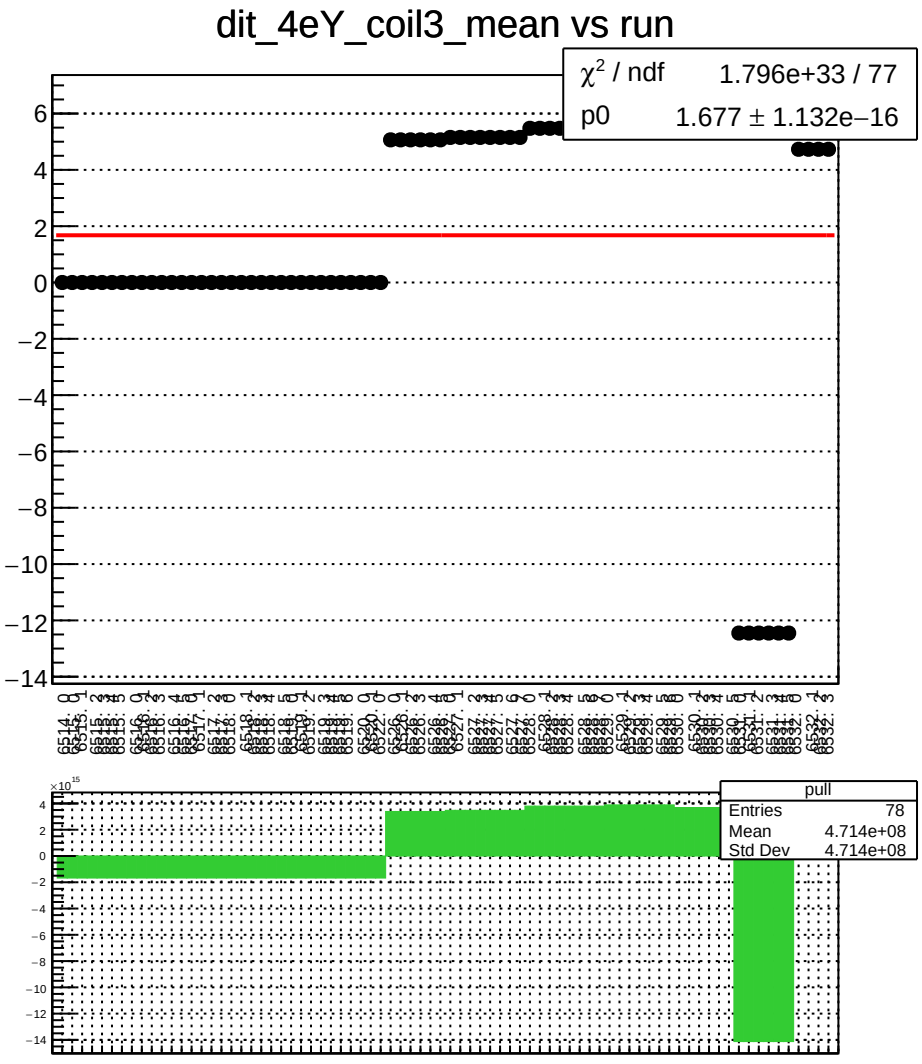


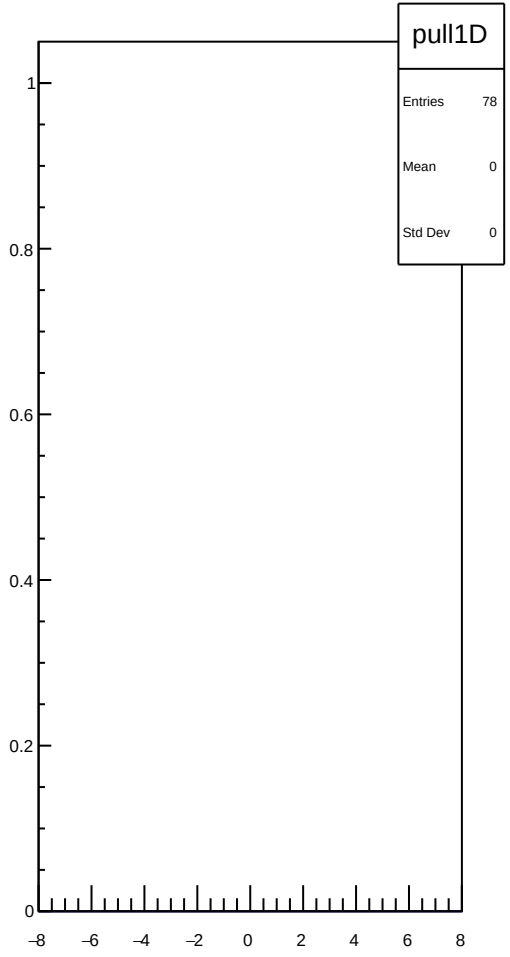


dit_4aY_coil3_Ndata_mean vs run

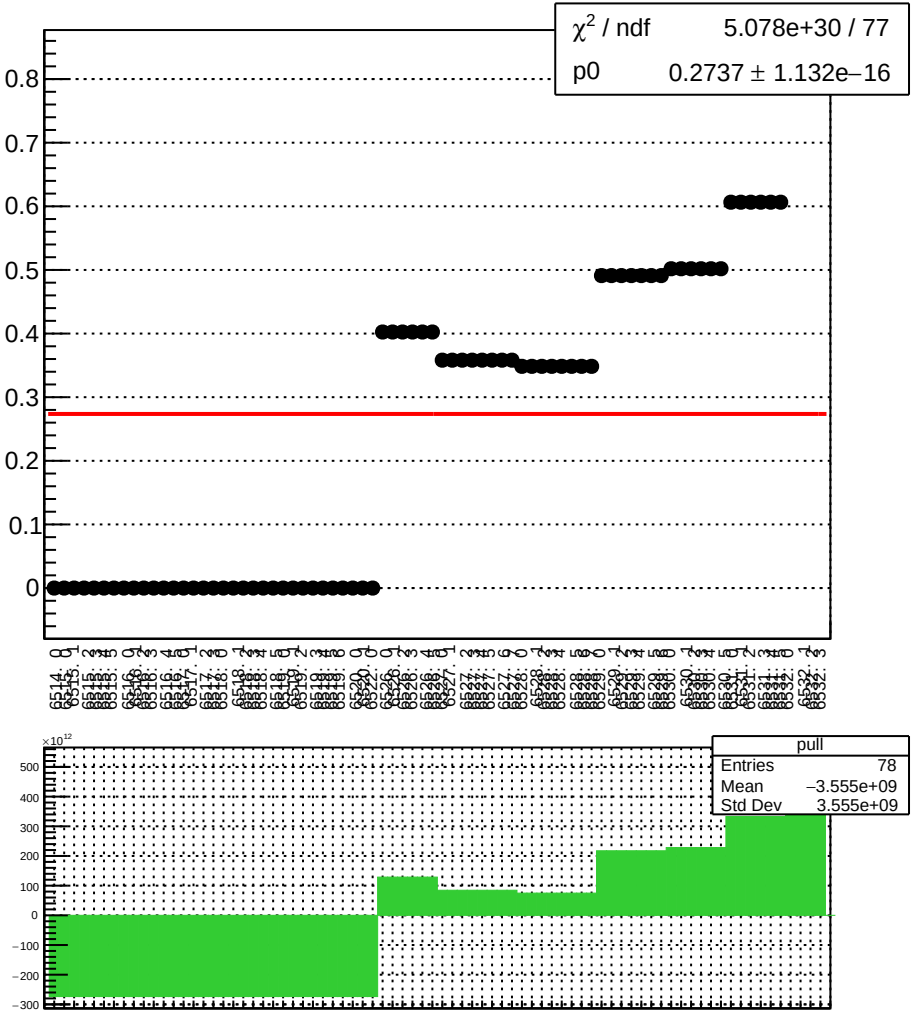


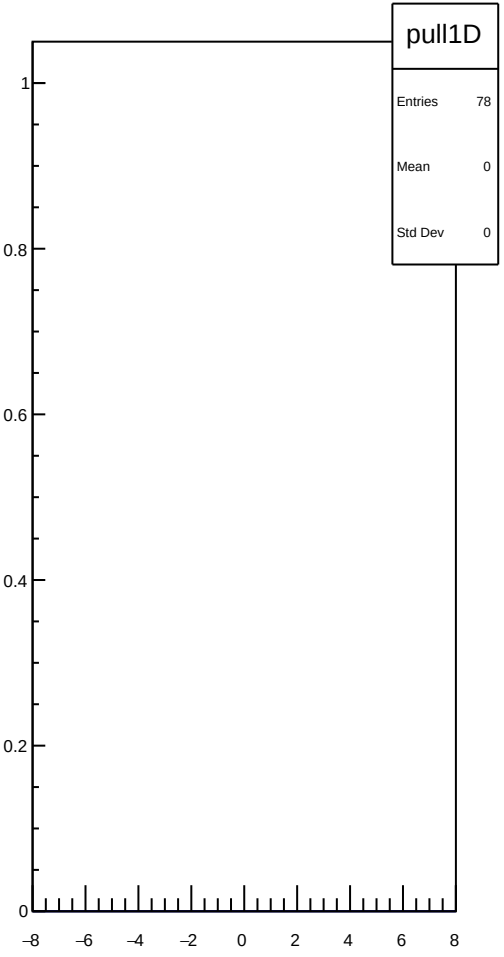


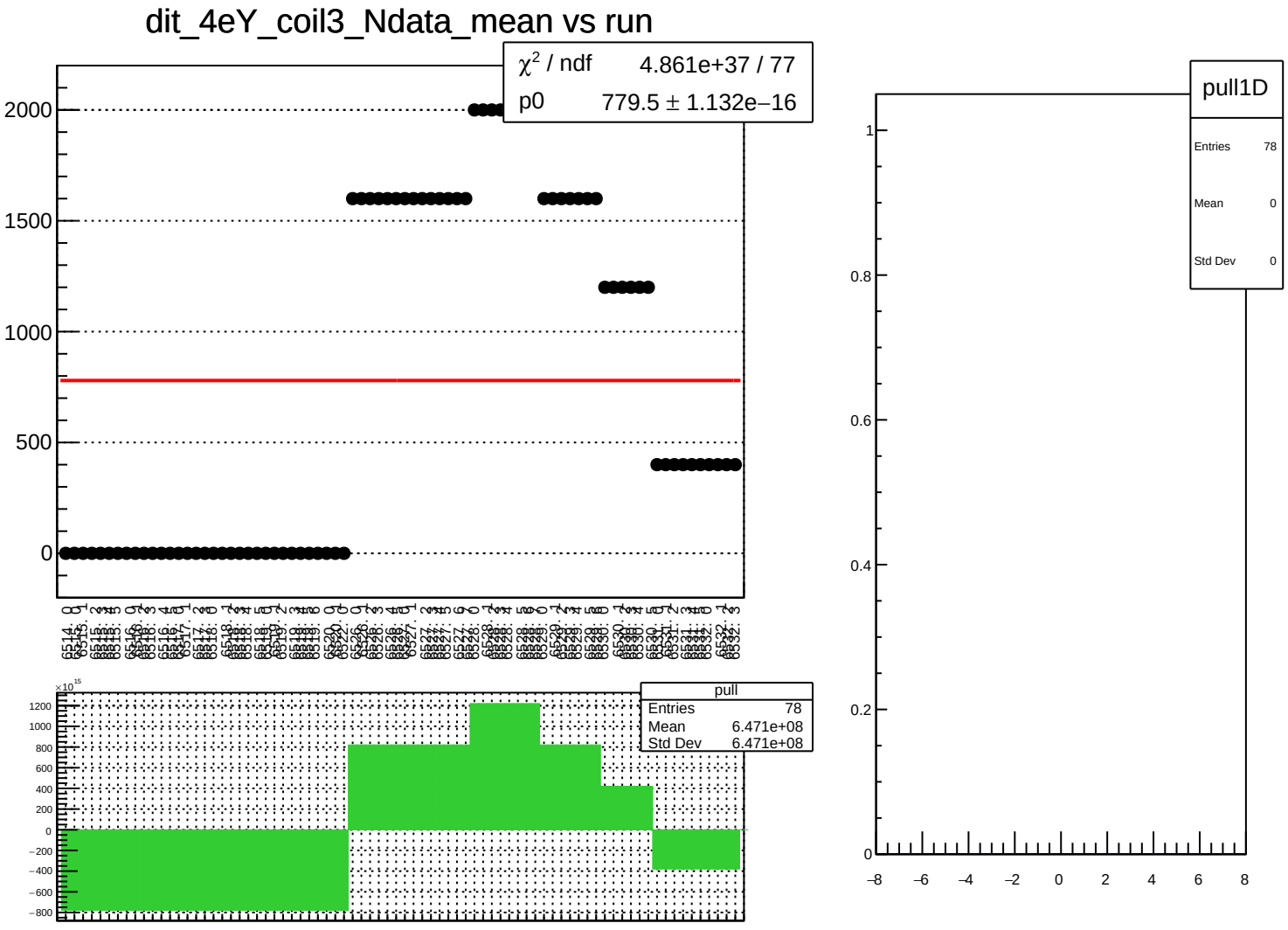

dit_4eY_coil3_mean vs run
χ^2 / ndf 1.796e+33 / 77
p0 1.677 ± 1.132e−16
pull
Entries 78
Mean 4.714e+08
Std Dev 4.714e+08

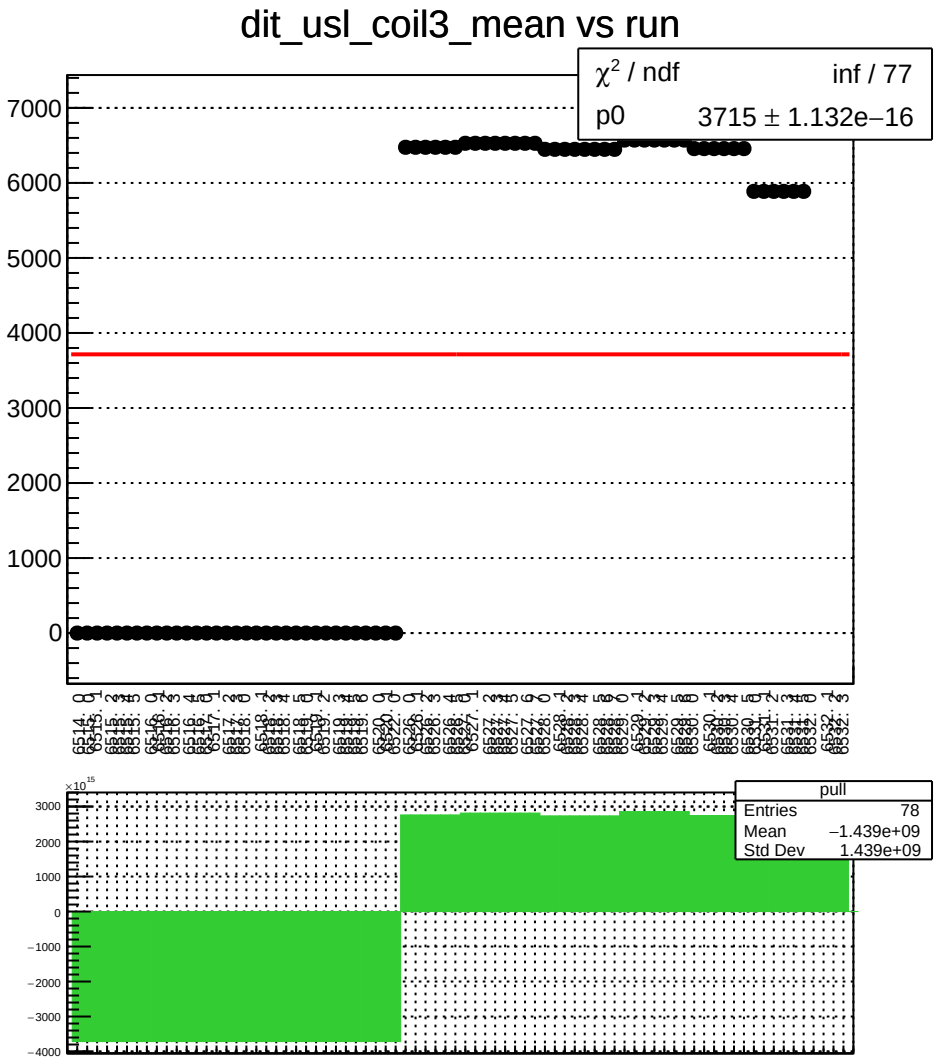

pull1D
Entries 78
Mean 0
Std Dev 0

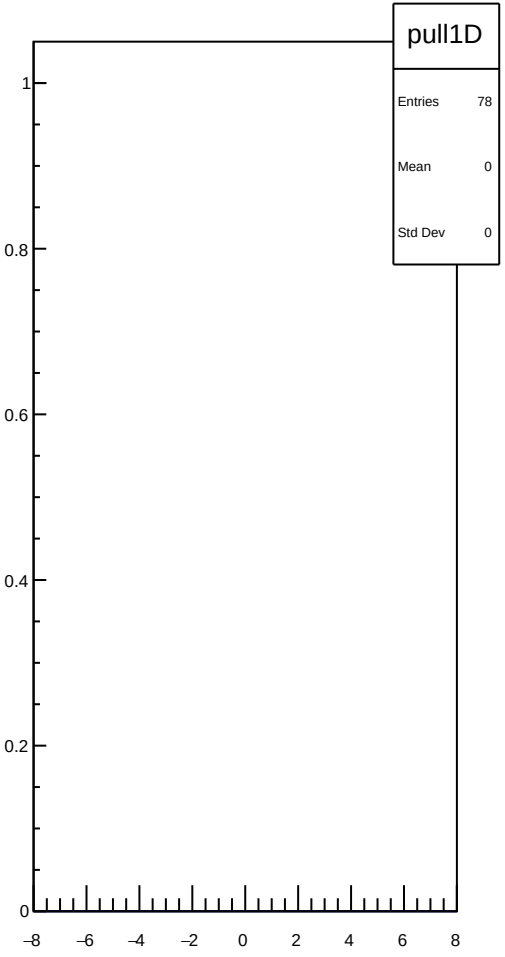
dit_4eY_coil3_err_mean vs run

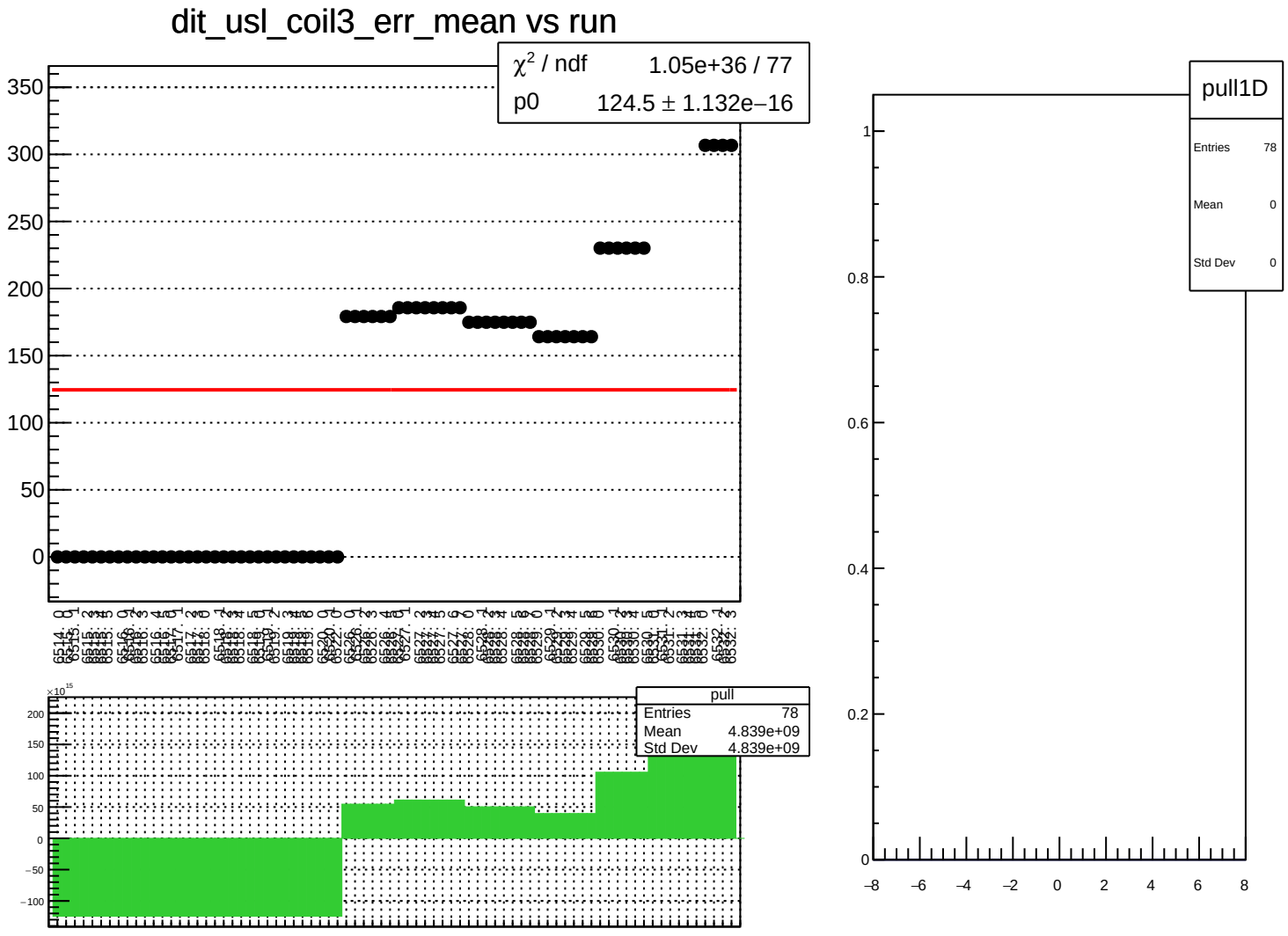




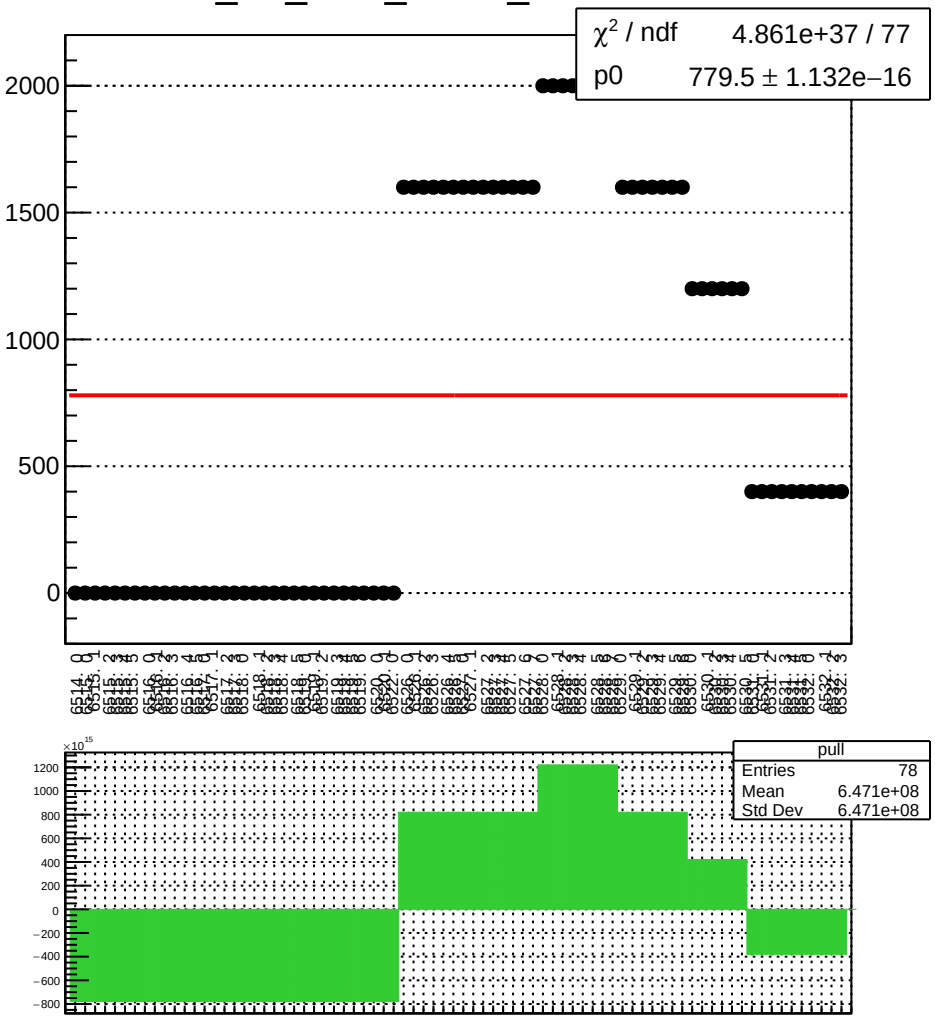

dit_4eY_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
pull1D
Entries 78
Mean 0
Std Dev 0

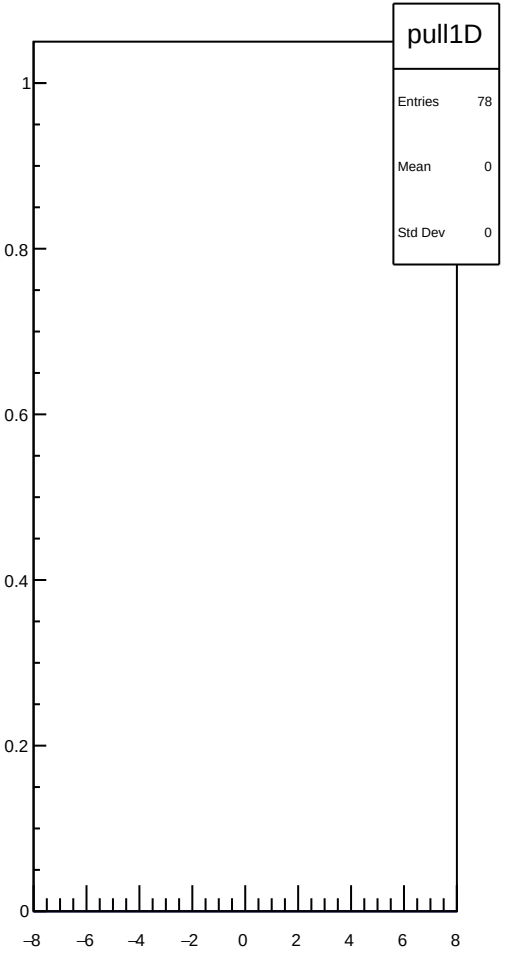

dit_usl_coil3_mean vs run
χ² / ndf inf / 77
p0 3715 ± 1.132e−16
pull
Entries 78
Mean −1.439e+09
Std Dev 1.439e+09

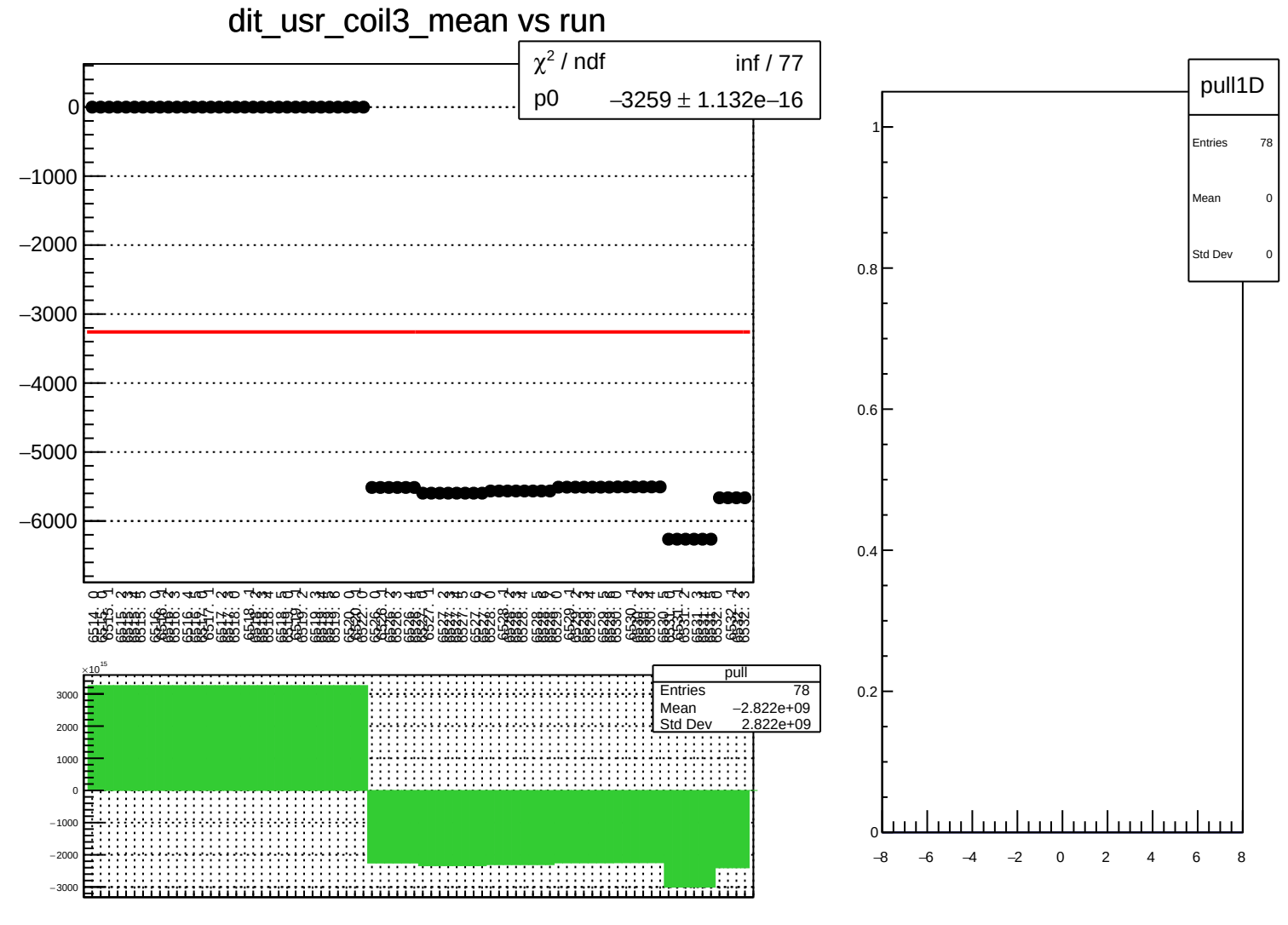

pull1D
Entries 78
Mean 0
Std Dev 0

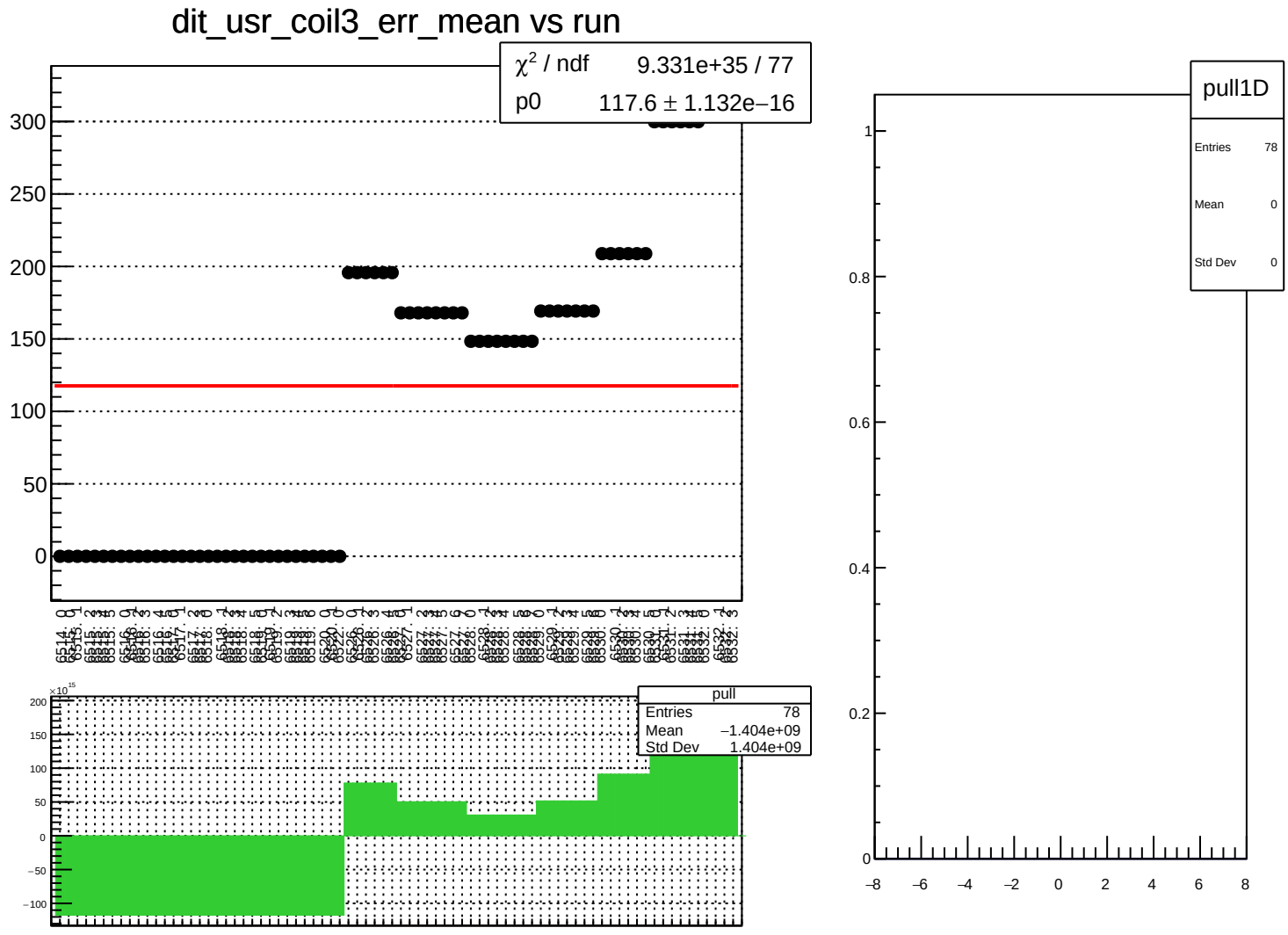

dit_usl_coil3_err_mean vs run
χ² / ndf 1.05e+36 / 77
p0 124.5 ± 1.132e−16
pull
Entries 78
Mean 4.839e+09
Std Dev 4.839e+09
pull1D
Entries 78
Mean 0
Std Dev 0

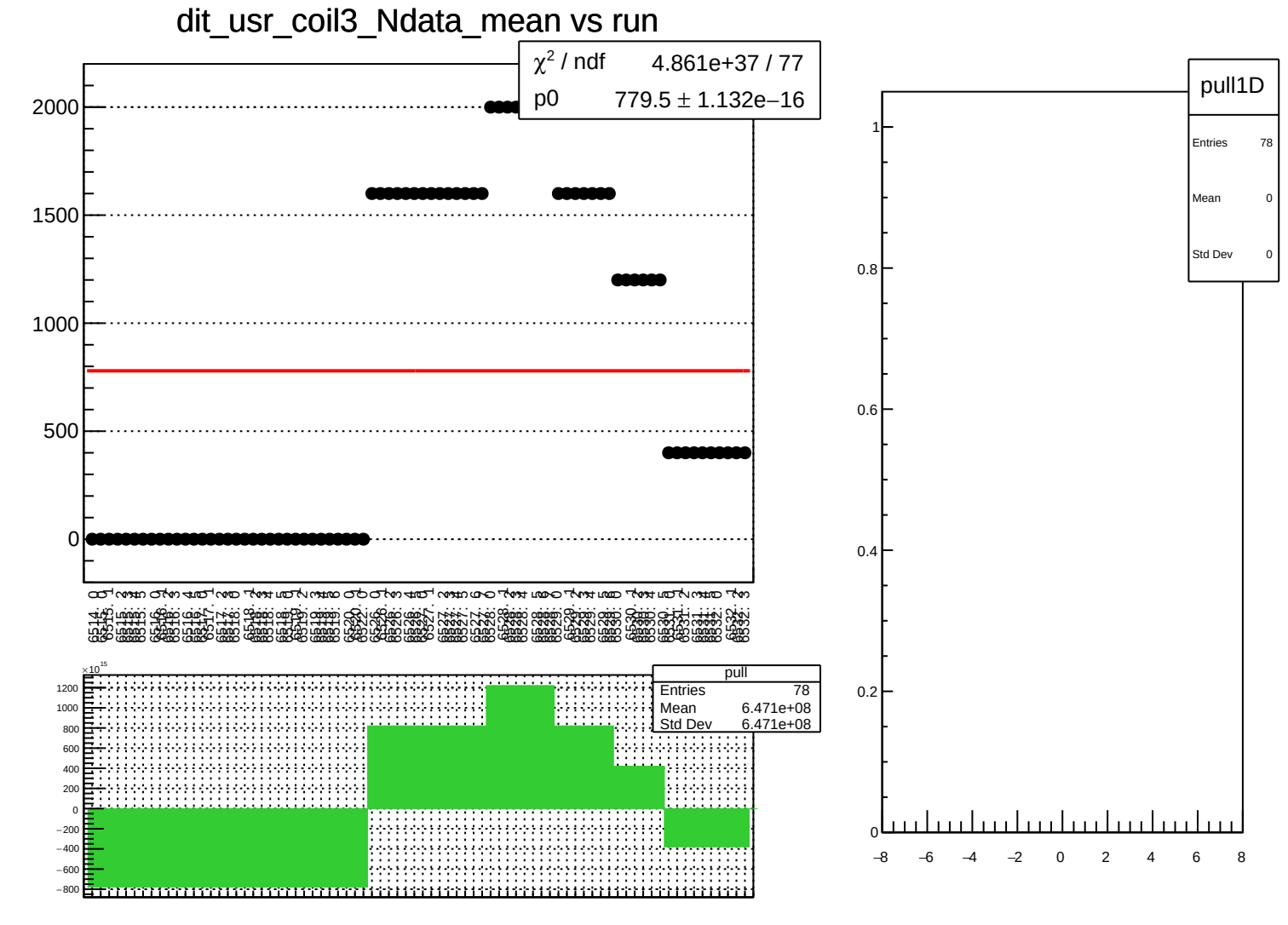
dit_usl_coil3_Ndata_mean vs run

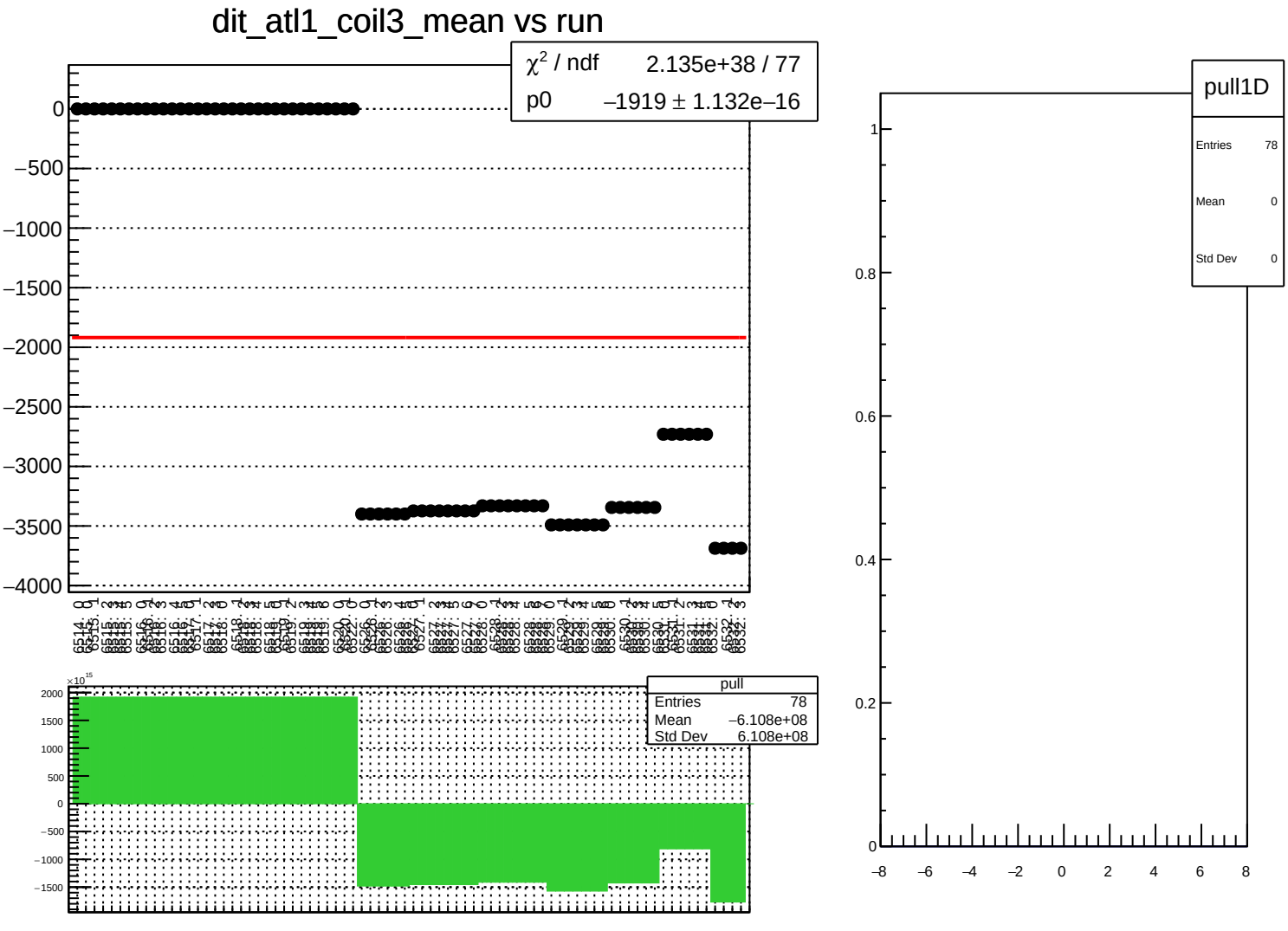


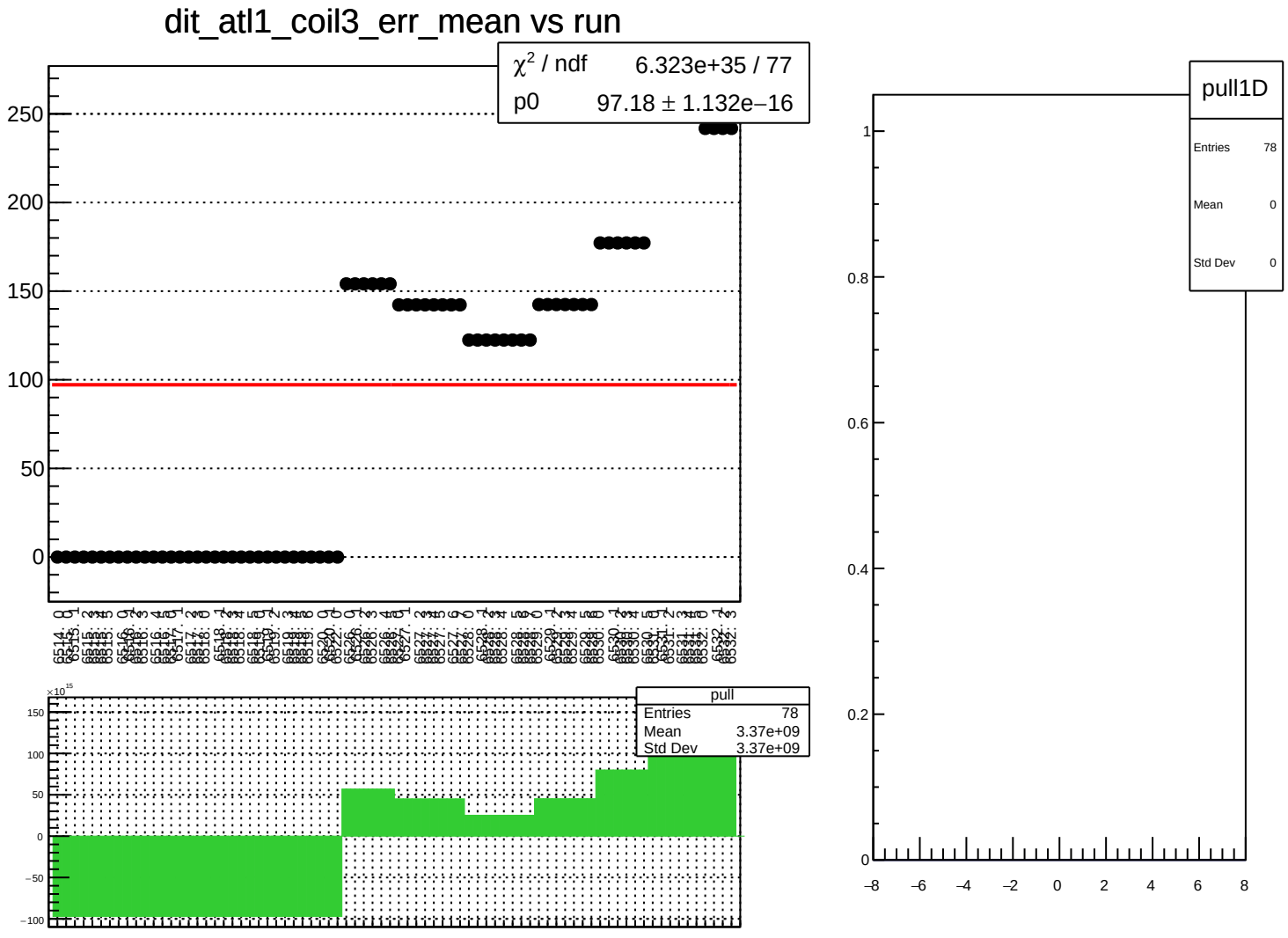



dit_usr_coil3_mean vs run
χ² / ndf inf / 77
p0 −3259 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 78
Mean −2.822e+09
Std Dev 2.822e+09
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

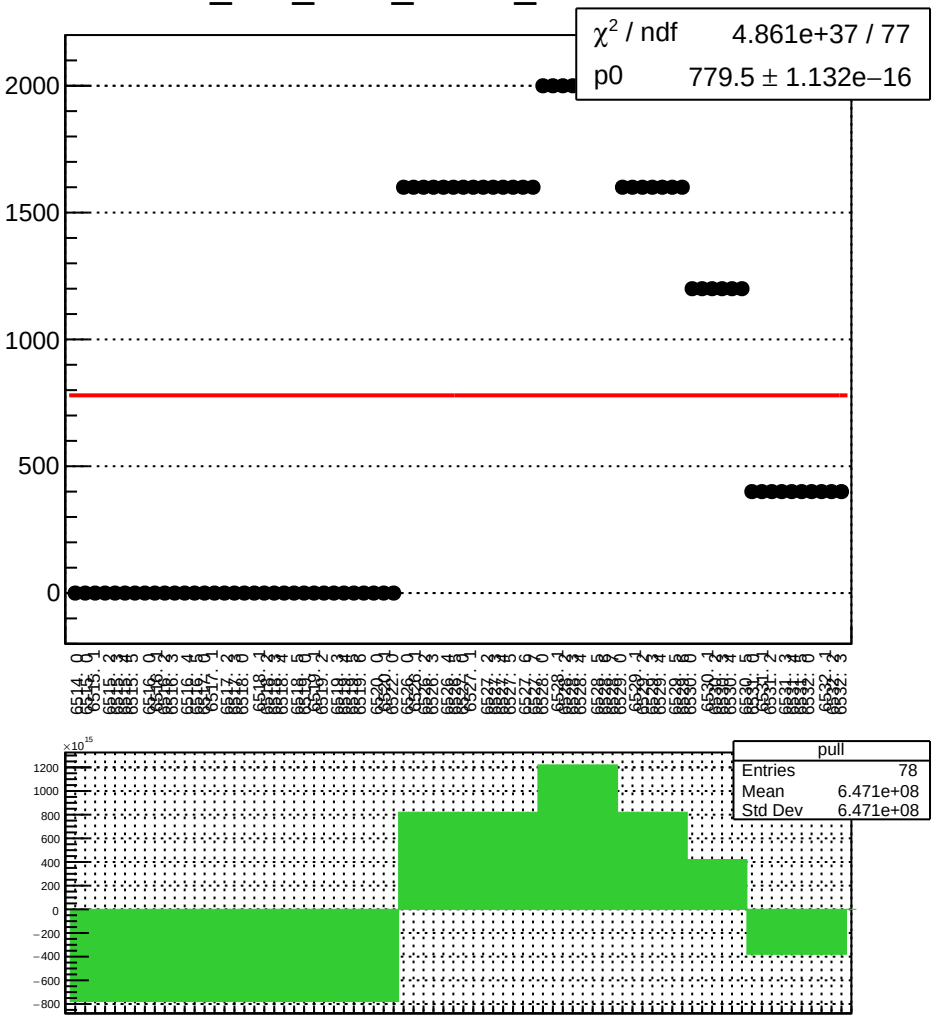

dit_usr_coil3_err_mean vs run
χ² / ndf 9.331e+35 / 77
p0 117.6 ± 1.132e−16
pull
Entries 78
Mean −1.404e+09
Std Dev 1.404e+09
pull1D
Entries 78
Mean 0
Std Dev 0

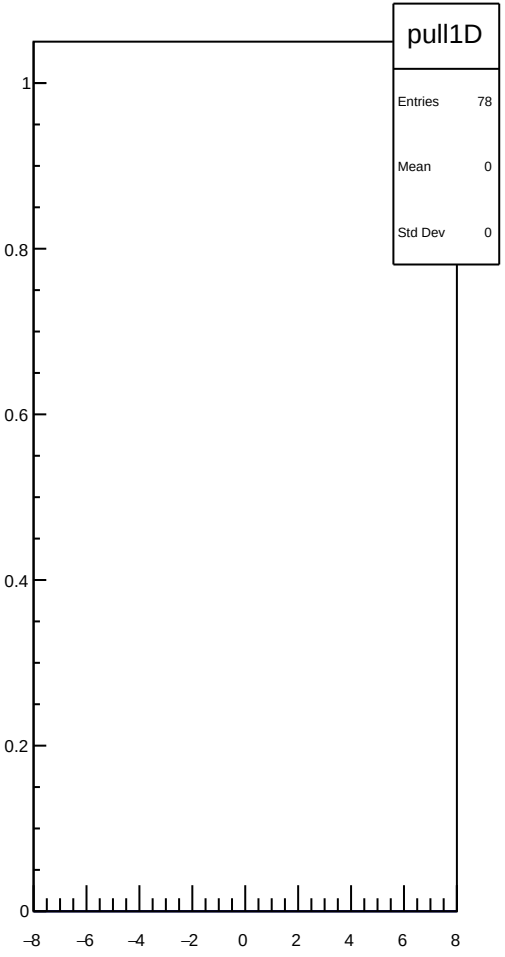

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
pull1D
Entries 78
Mean 0
Std Dev 0

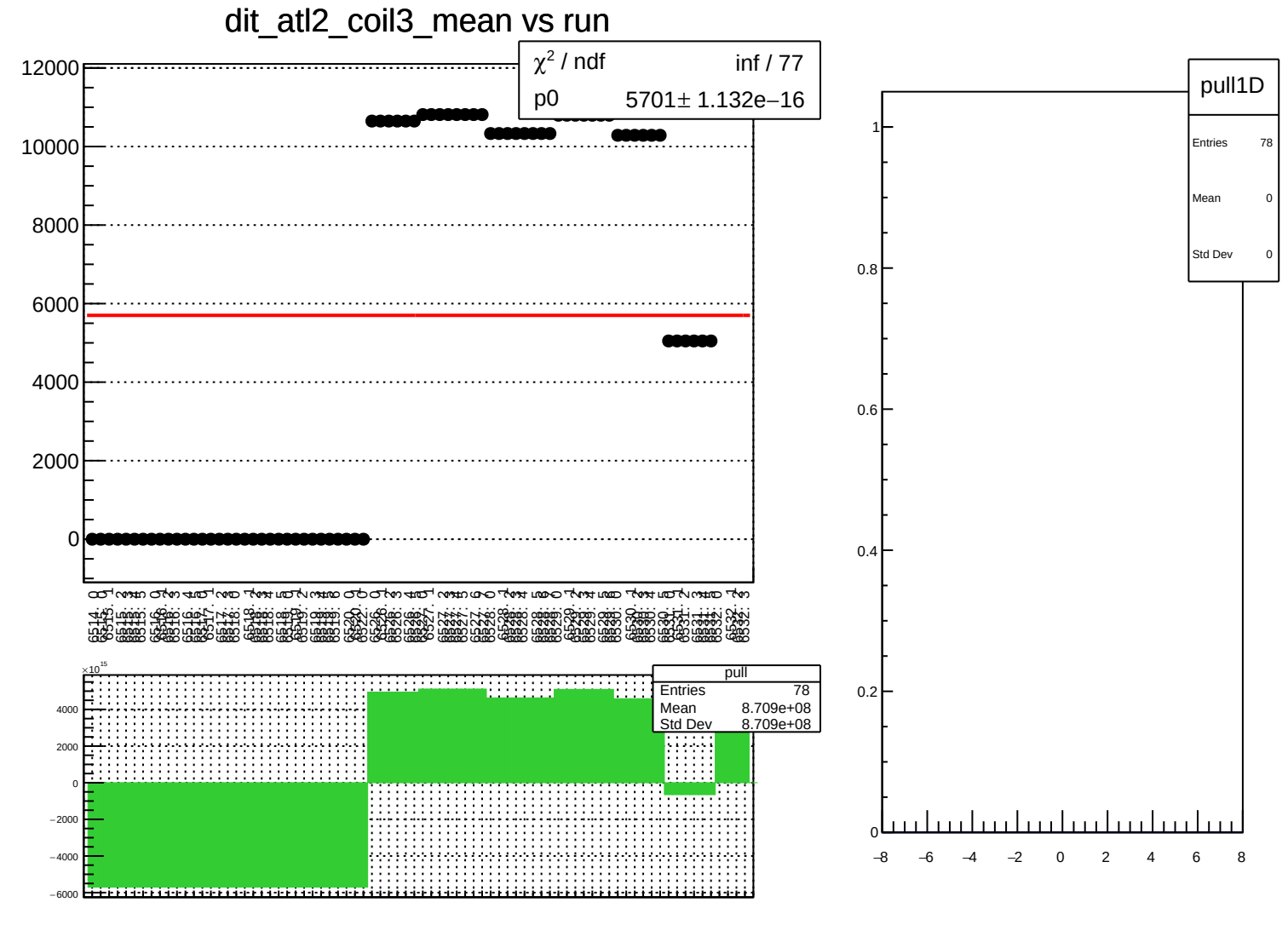

dit_atl1_coil3_mean vs run
χ^2 / ndf 2.135e+38 / 77
p0 –1919 ± 1.132e–16
pull
Entries 78
Mean –6.108e+08
Std Dev 6.108e+08
pull1D
Entries 78
Mean 0
Std Dev 0

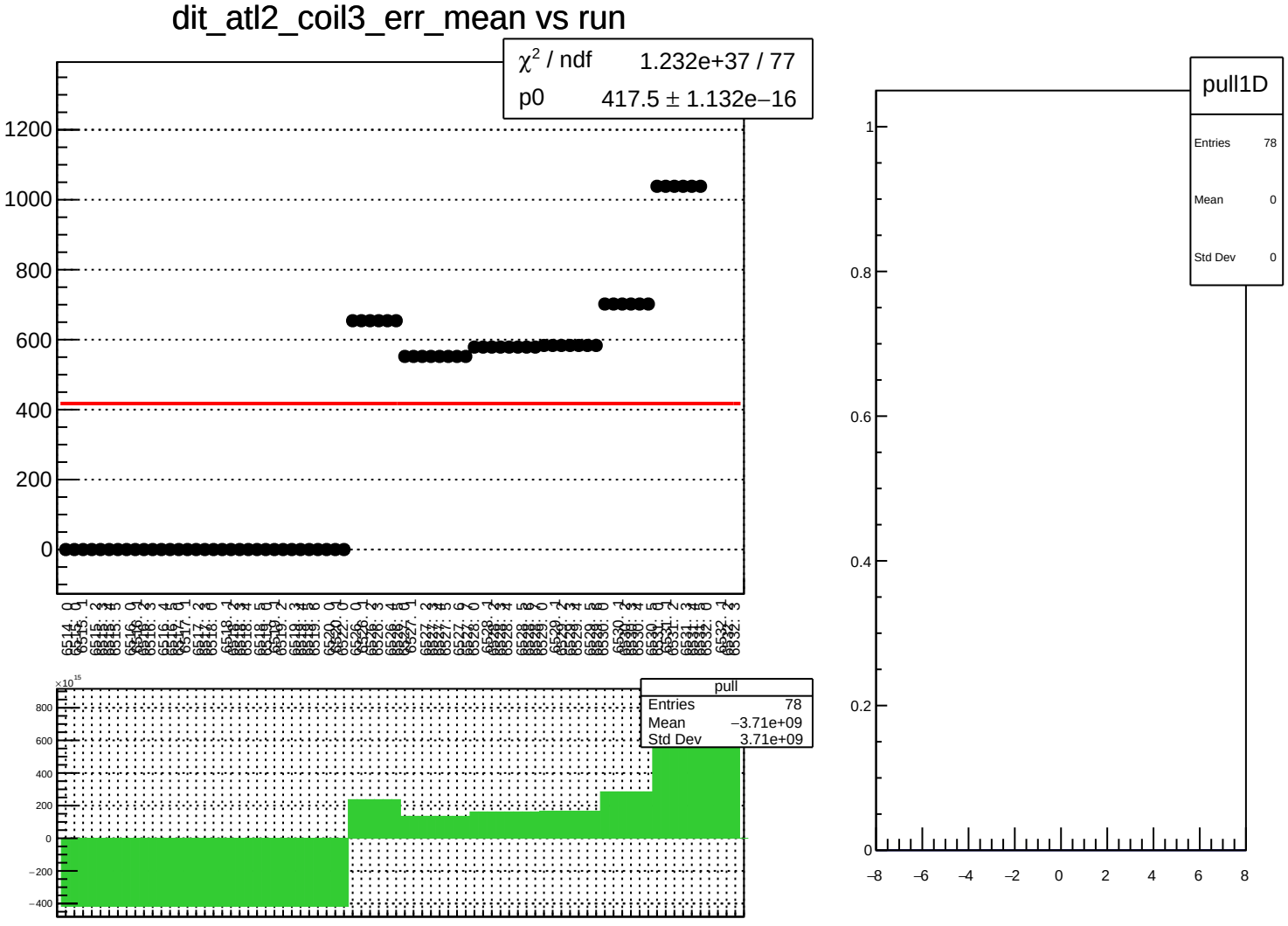

dit_atl1_coil3_err_mean vs run
χ² / ndf 6.323e+35 / 77
p0 97.18 ± 1.132e−16
pull
Entries 78
Mean 3.37e+09
Std Dev 3.37e+09
pull1D
Entries 78
Mean 0
Std Dev 0

dit_atl1_coil3_Ndata_mean vs run

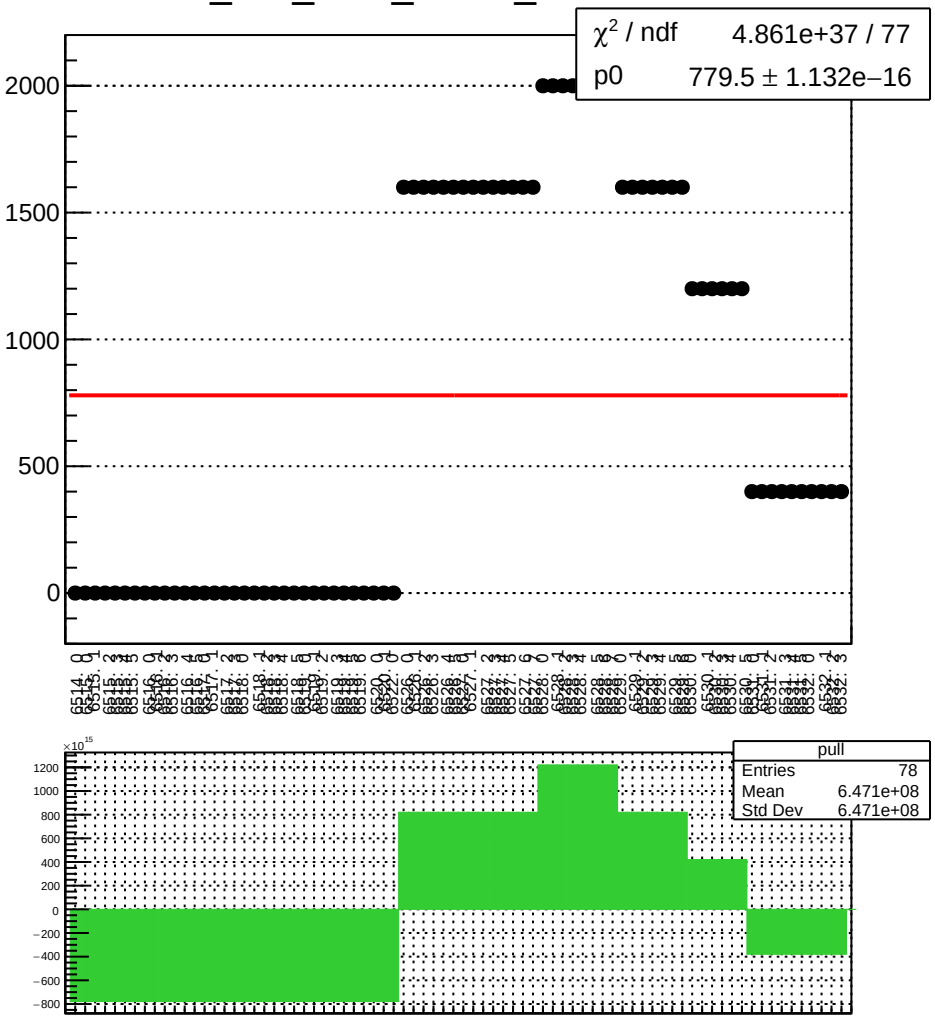


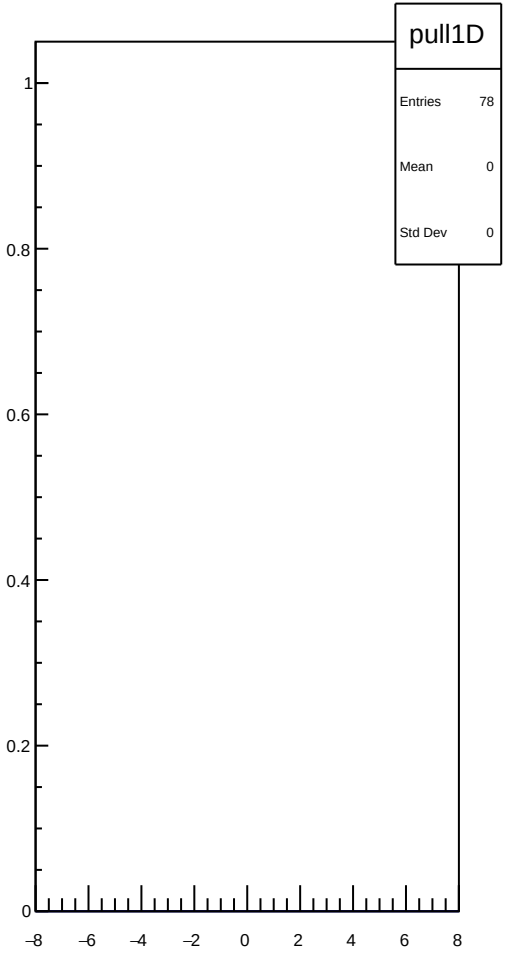


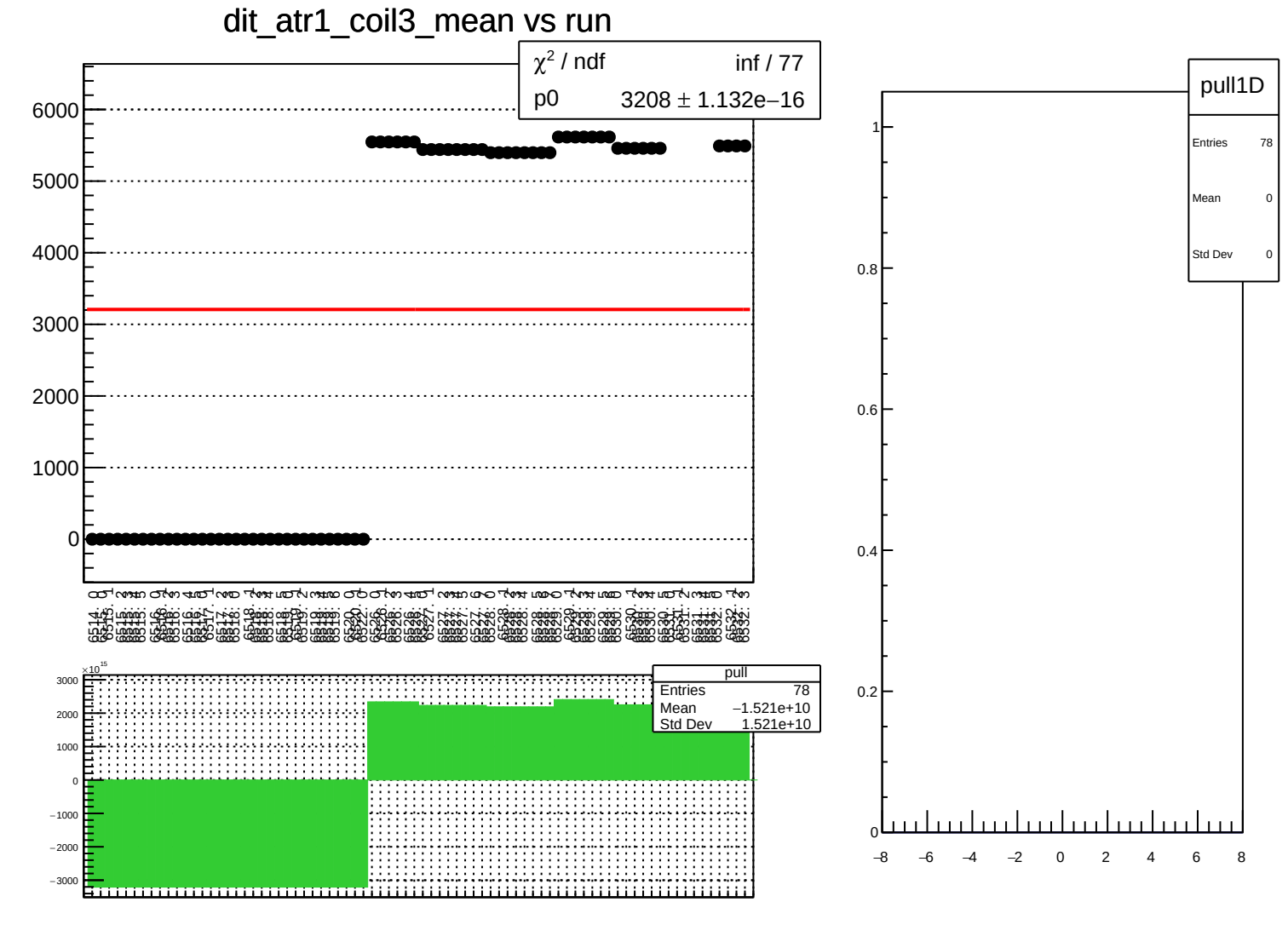

dit_atl2_coil3_mean vs run
χ² / ndf inf / 77
p0 5701± 1.132e−16
pull
Entries 78
Mean 8.709e+08
Std Dev 8.709e+08
pull1D
Entries 78
Mean 0
Std Dev 0

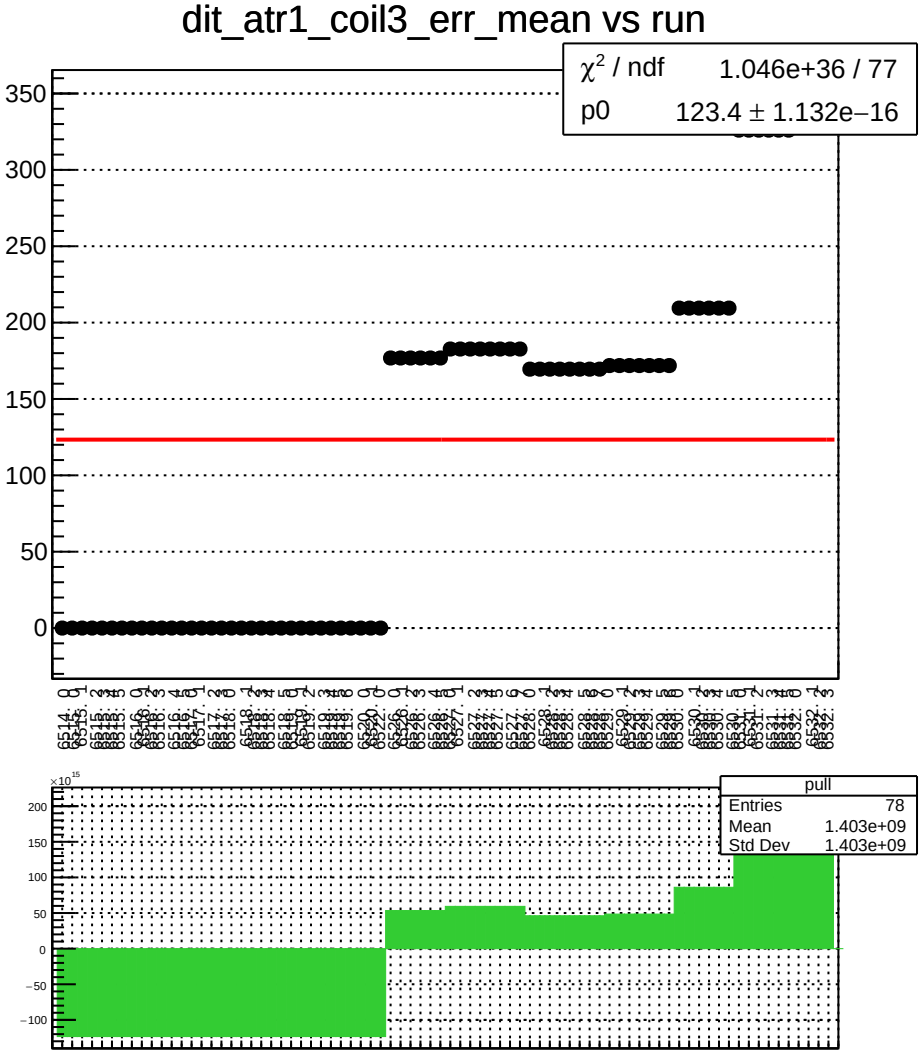

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.232e+37 / 77
p0 417.5 ± 1.132e−16
pull
Entries 78
Mean −3.71e+09
Std Dev 3.71e+09
pull1D
Entries 78
Mean 0
Std Dev 0

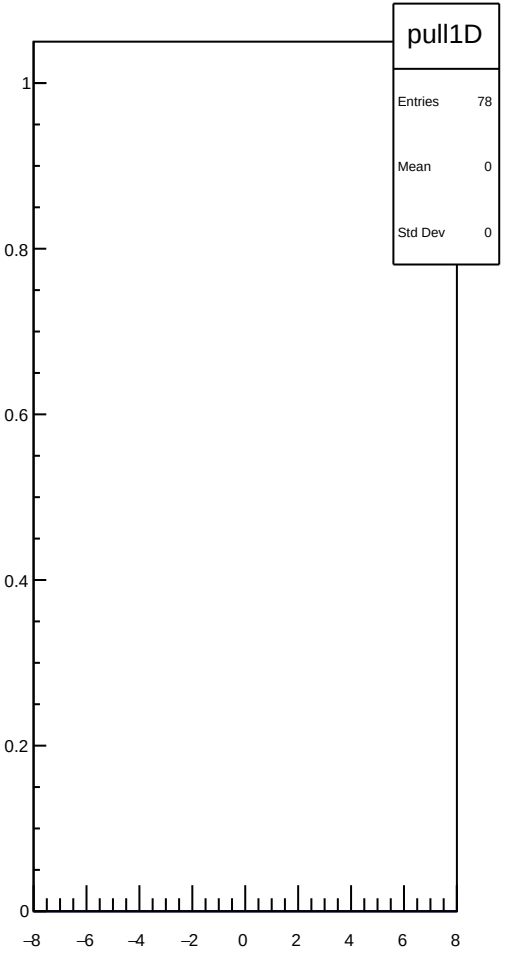
dit_atl2_coil3_Ndata_mean vs run

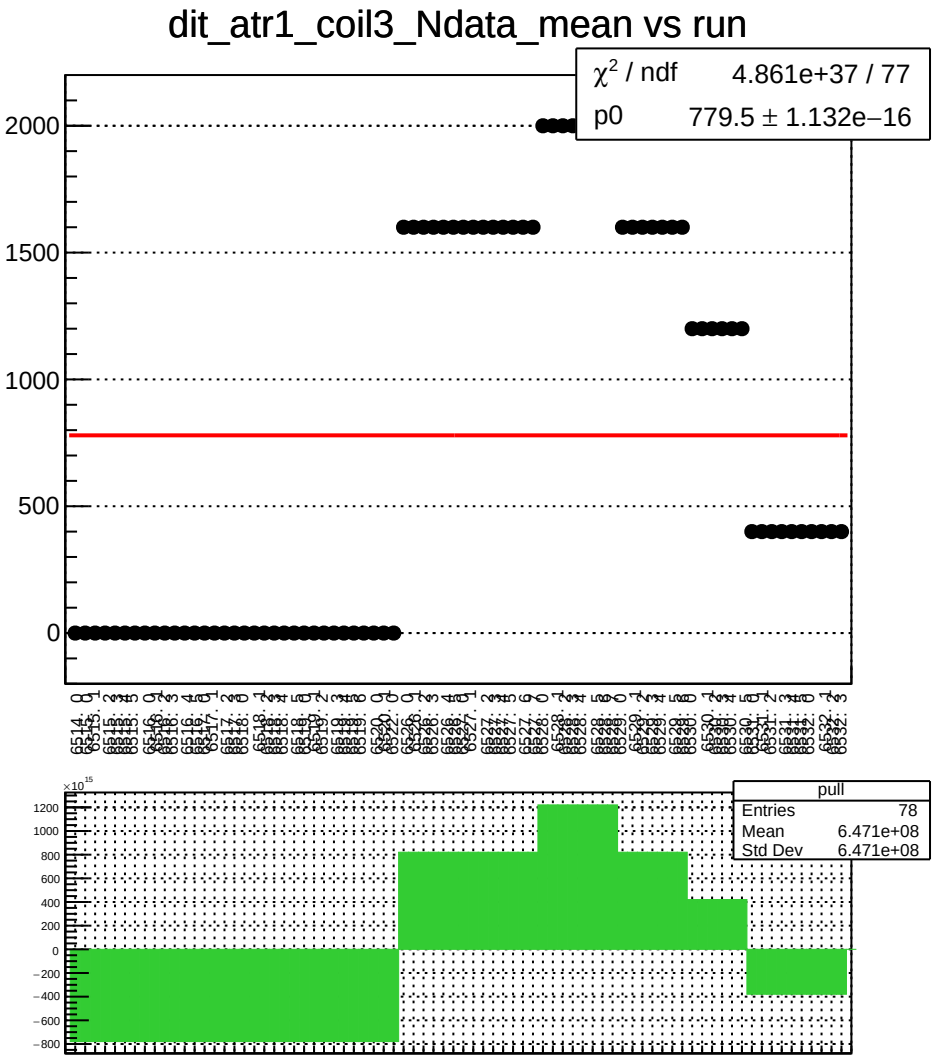


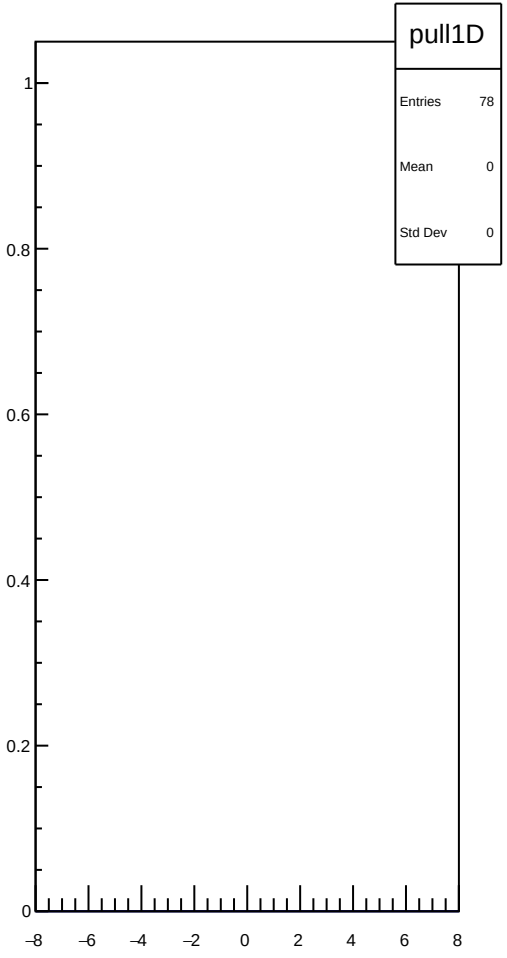


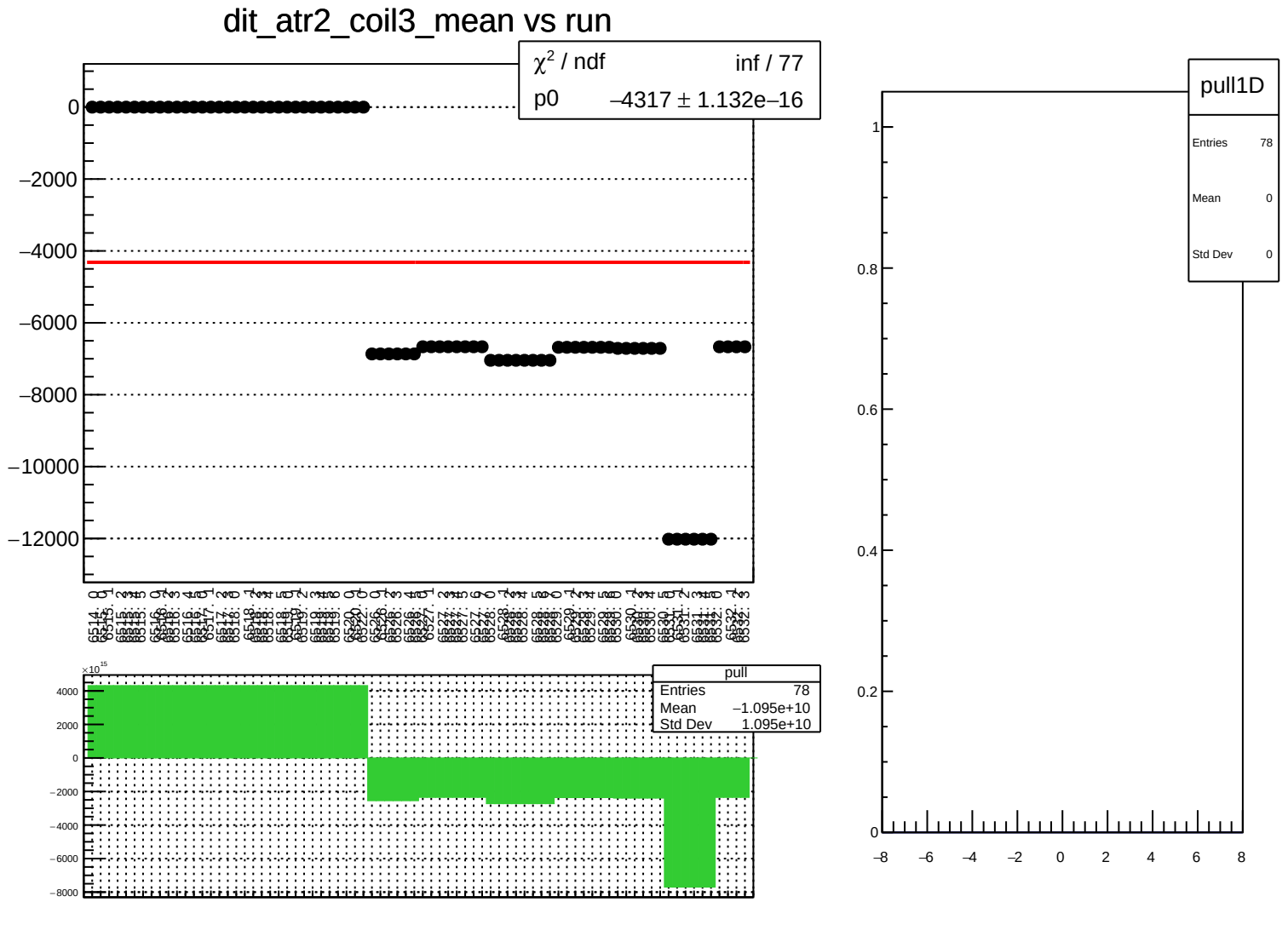

dit_atr1_coil3_mean vs run
χ² / ndf inf / 77
p0 3208 ± 1.132e−16
pull
Entries 78
Mean −1.521e+10
Std Dev 1.521e+10
pull1D
Entries 78
Mean 0
Std Dev 0


dit_atr1_coil3_err_mean vs run
χ² / ndf 1.046e+36 / 77
p0 123.4 ± 1.132e−16
pull
Entries 78
Mean 1.403e+09
Std Dev 1.403e+09

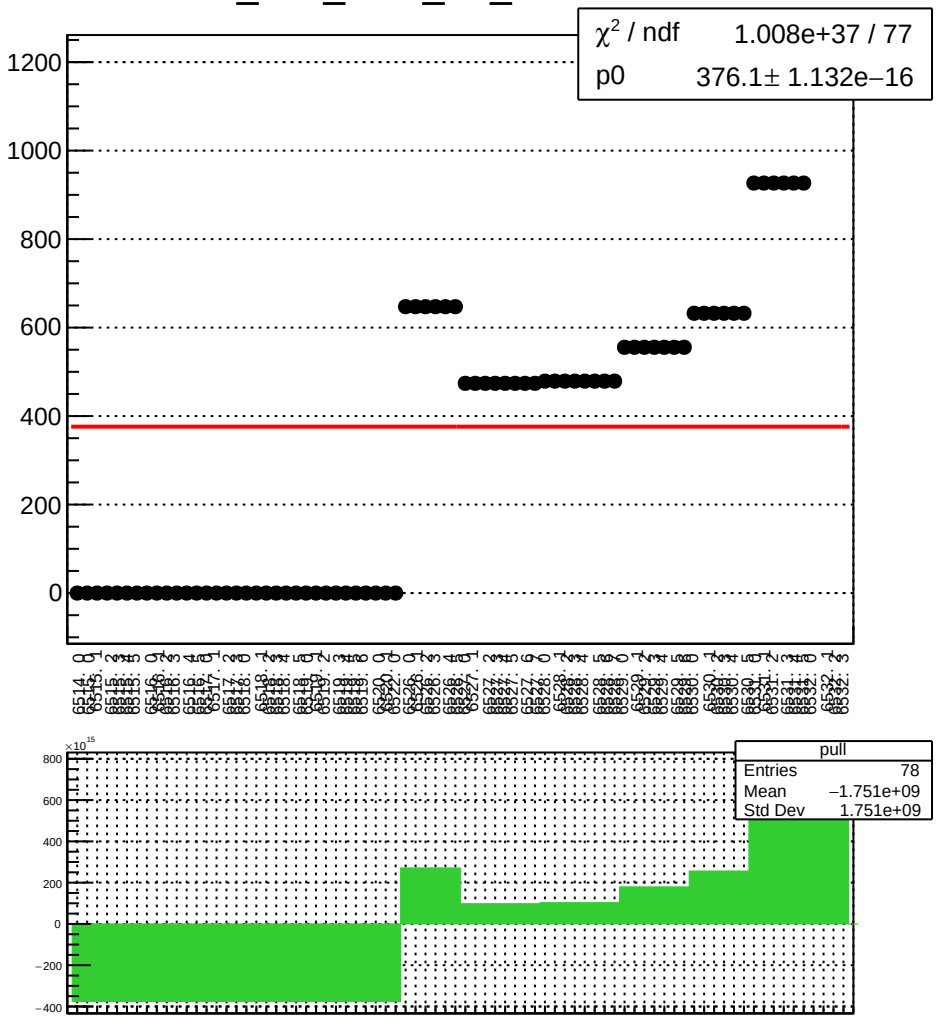

pull1D
Entries 78
Mean 0
Std Dev 0

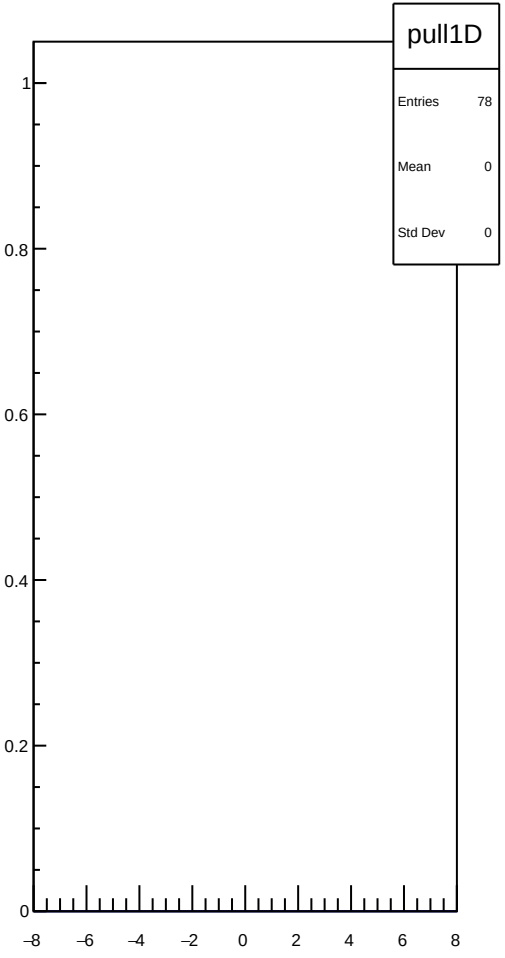

dit_atr1_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800


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

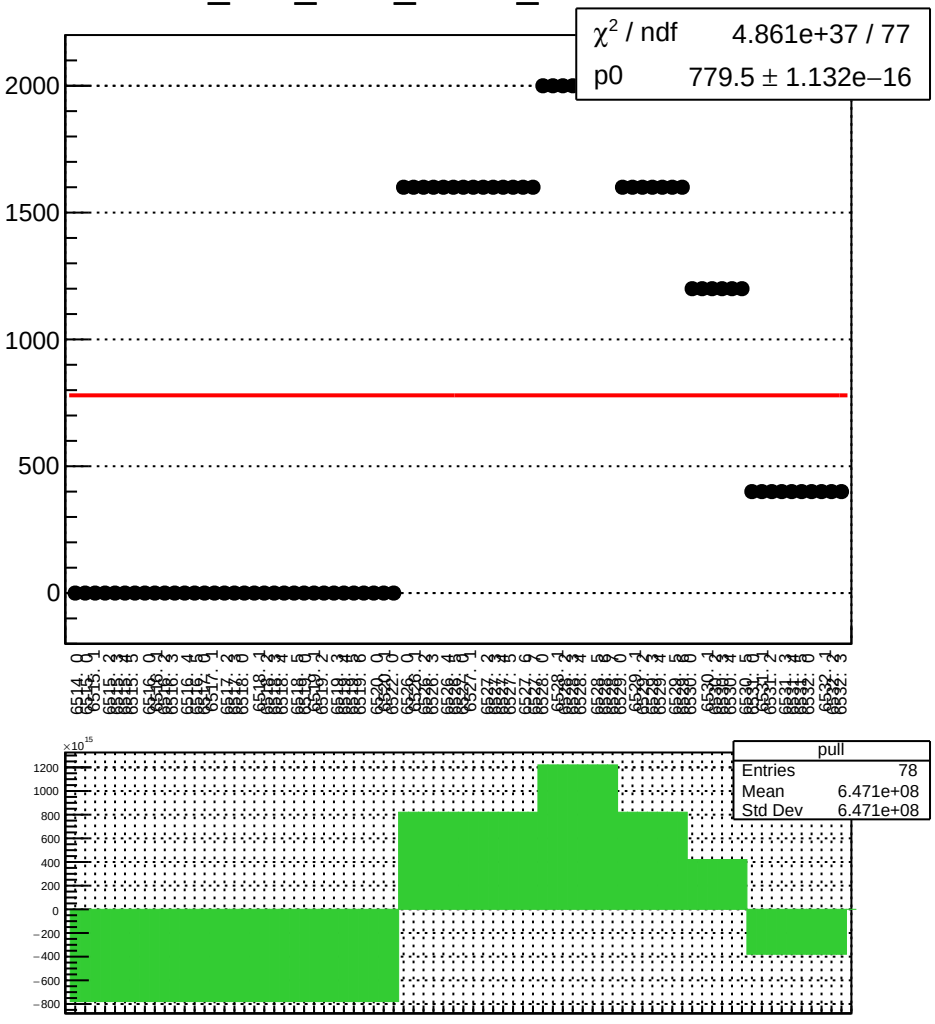

dit_atr2_coil3_mean vs run
χ^2 / ndf inf / 77
p0 –4317 ± 1.132e–16
0
–2000
–4000
–6000
–8000
–10000
–12000
pull
Entries 78
Mean –1.095e+10
Std Dev 1.095e+10
×10^15
4000
2000
0
–2000
–4000
–6000
–8000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

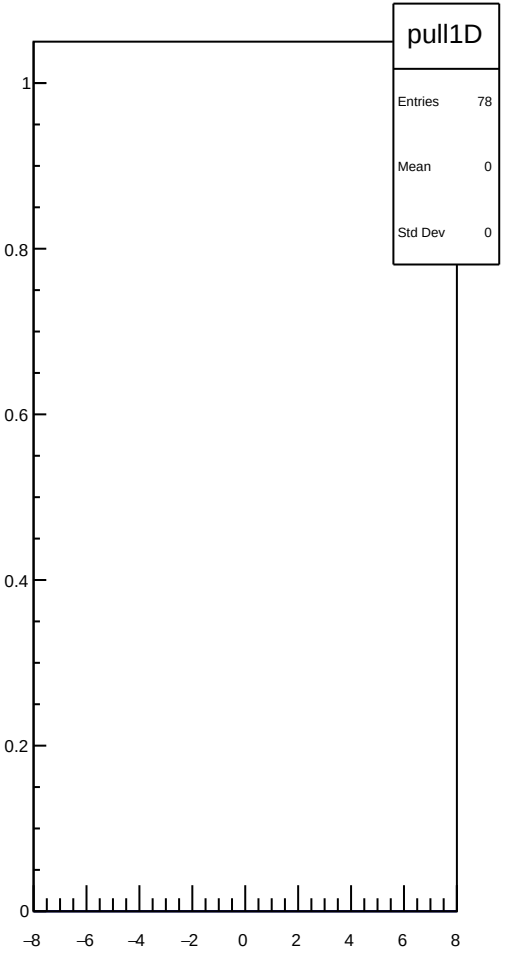
dit_atr2_coil3_err_mean vs run

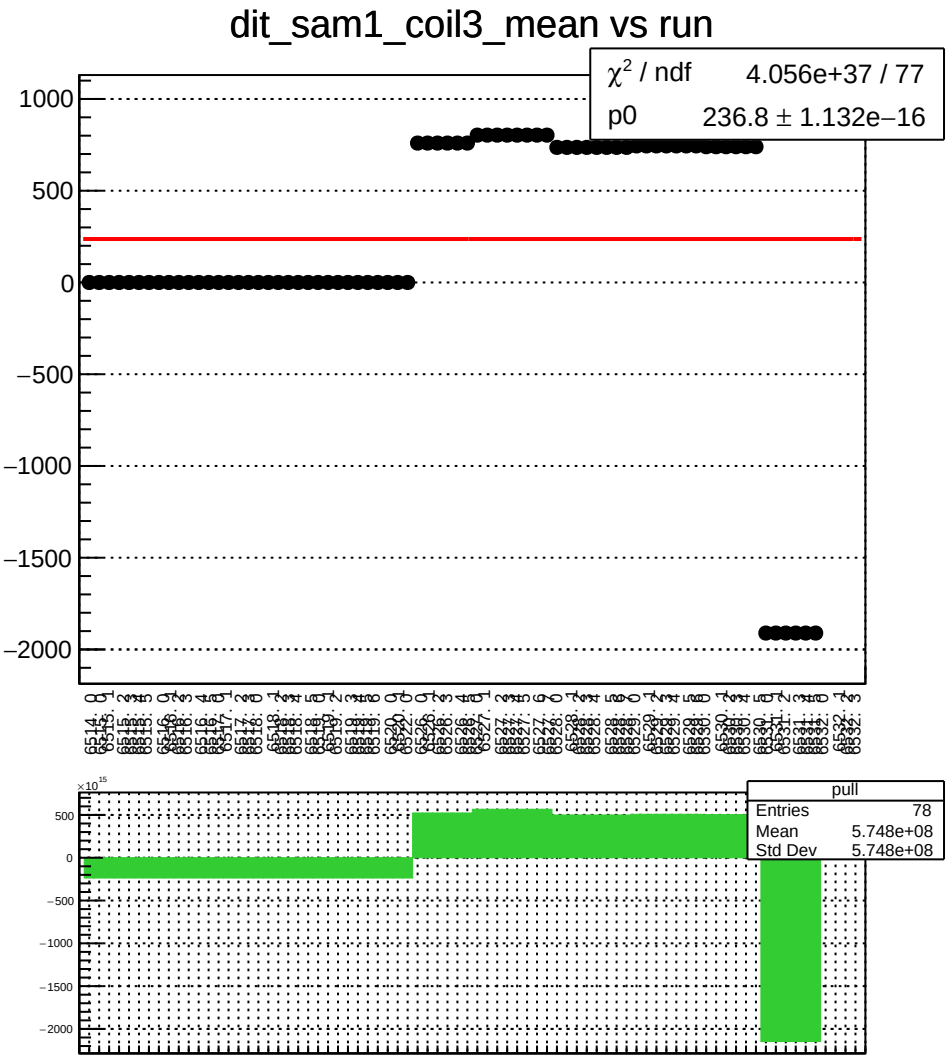


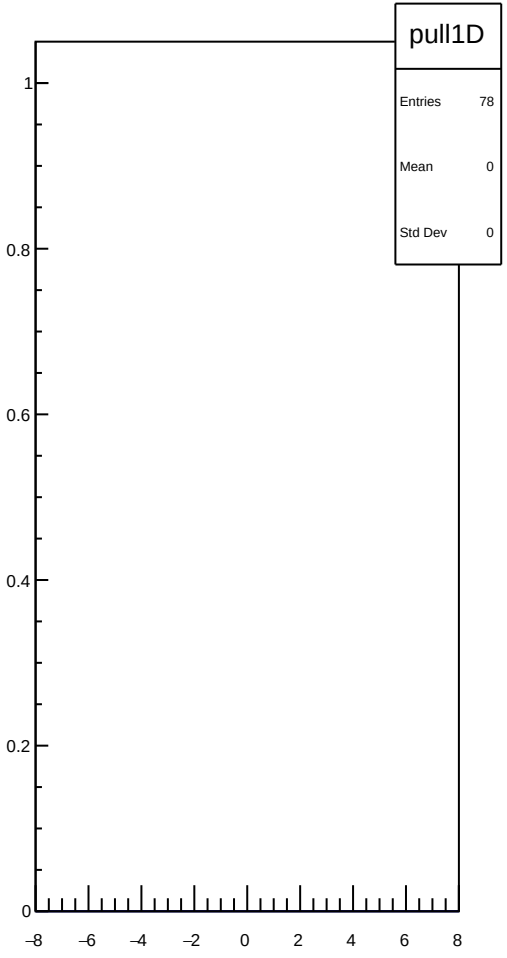


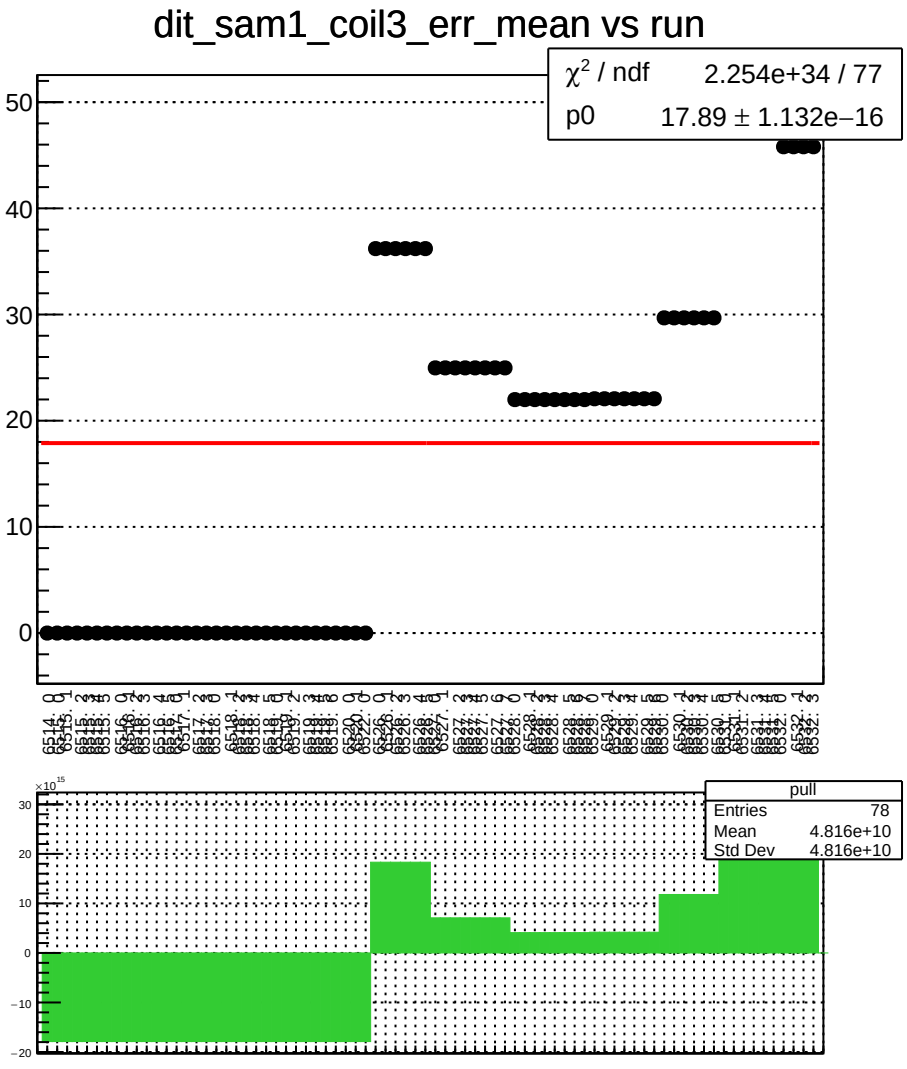
dit_atr2_coil3_Ndata_mean vs run

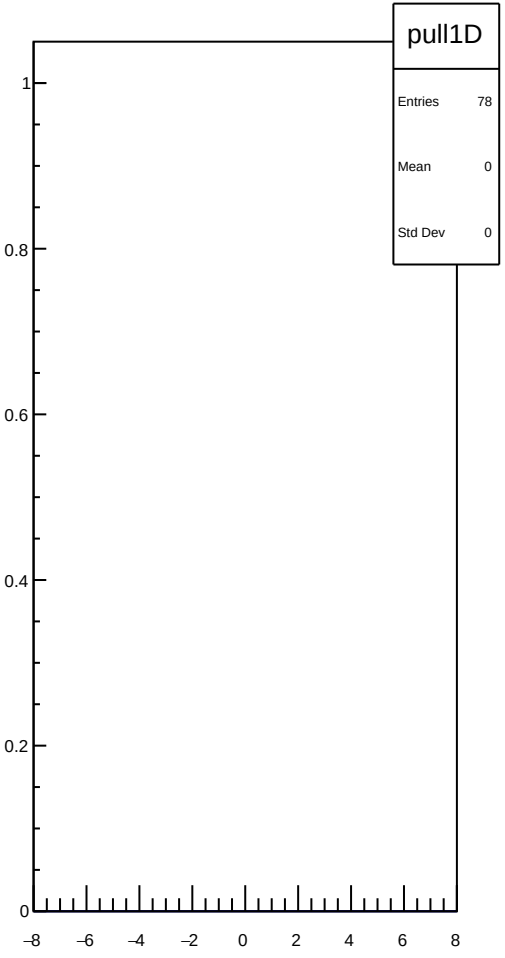


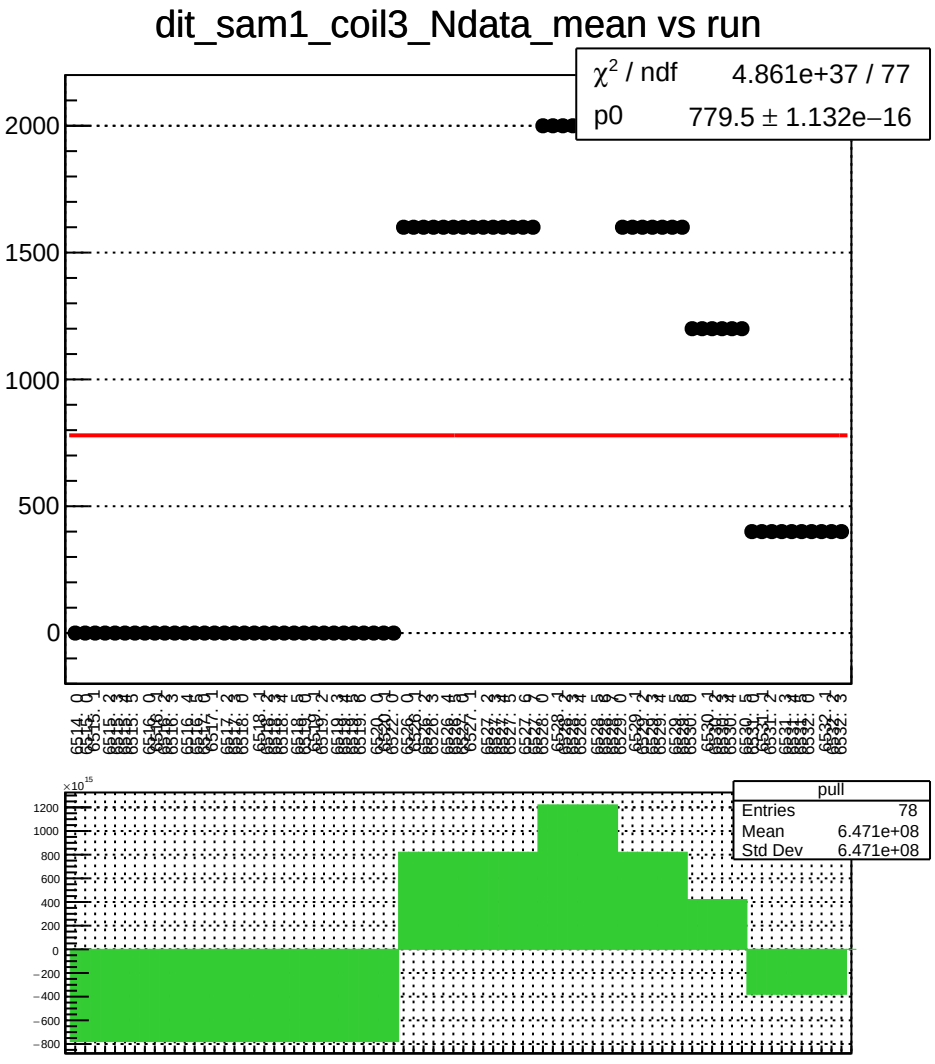


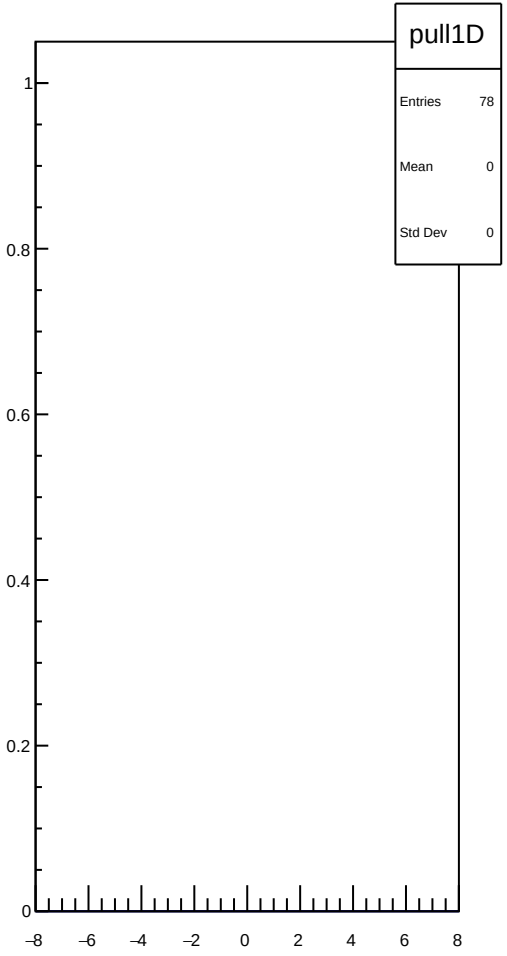

dit_sam1_coil3_mean vs run
χ² / ndf 4.056e+37 / 77
p0 236.8 ± 1.132e−16
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 78
Mean 5.748e+08
Std Dev 5.748e+08
×10¹⁵

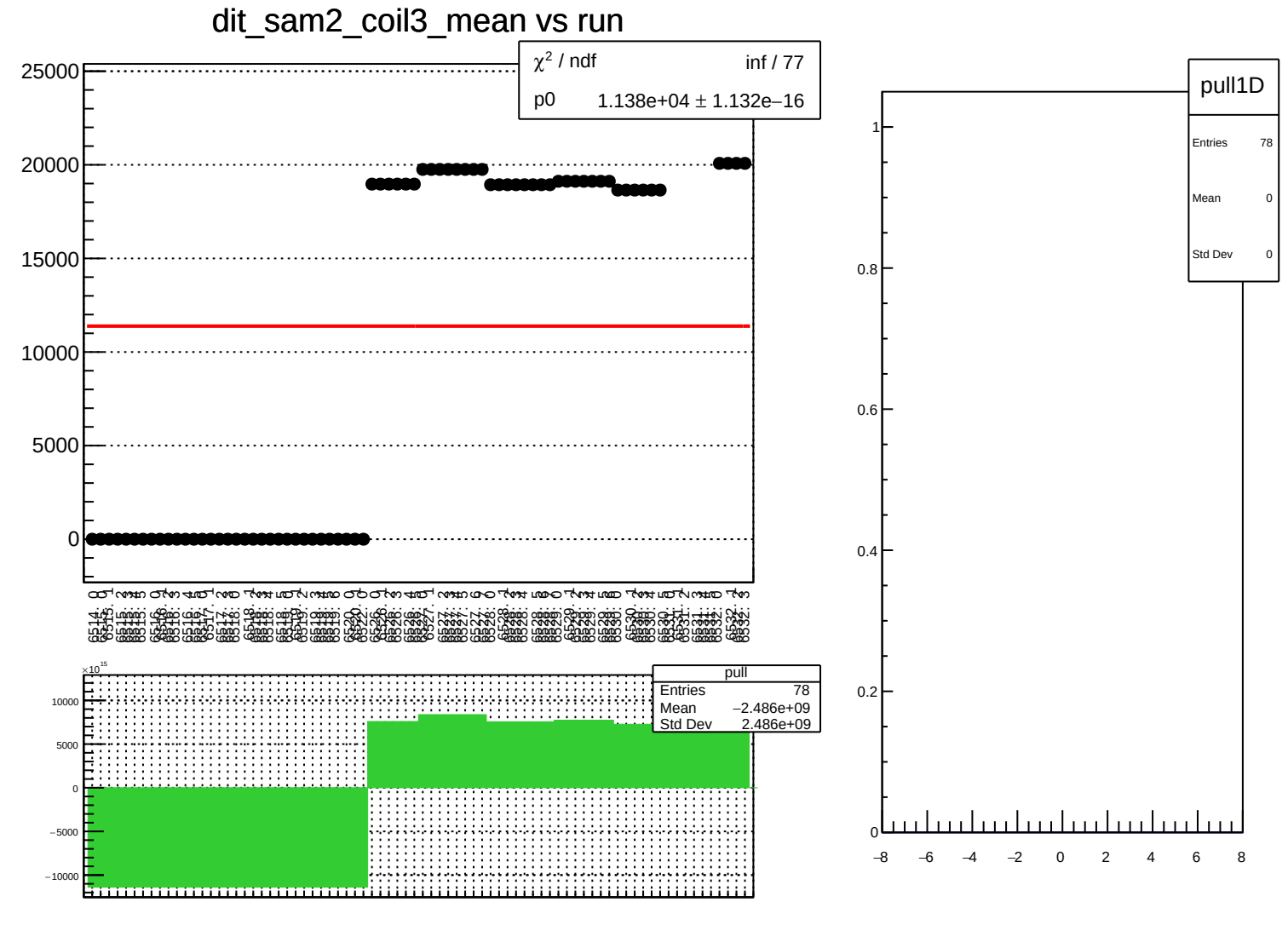

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil3_err_mean vs run
χ² / ndf 2.254e+34 / 77
p0 17.89 ± 1.132e−16
pull
Entries 78
Mean 4.816e+10
Std Dev 4.816e+10

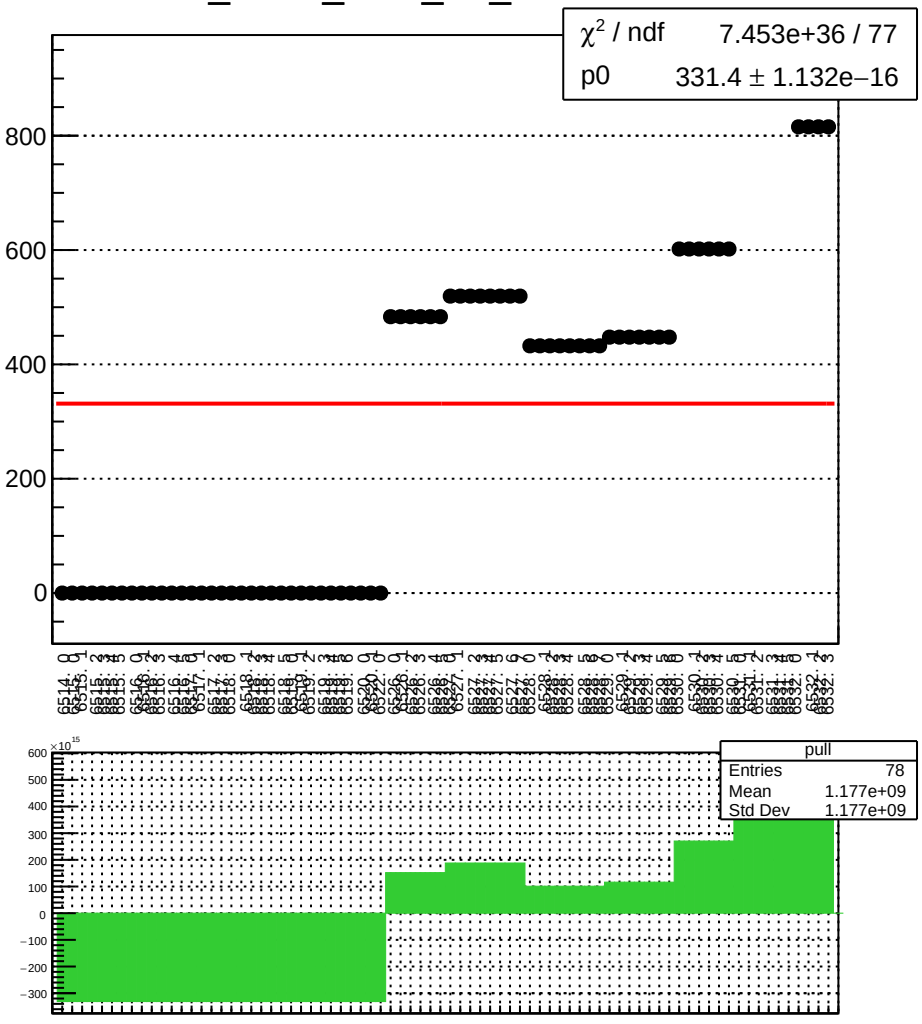

pull1D
Entries 78
Mean 0
Std Dev 0

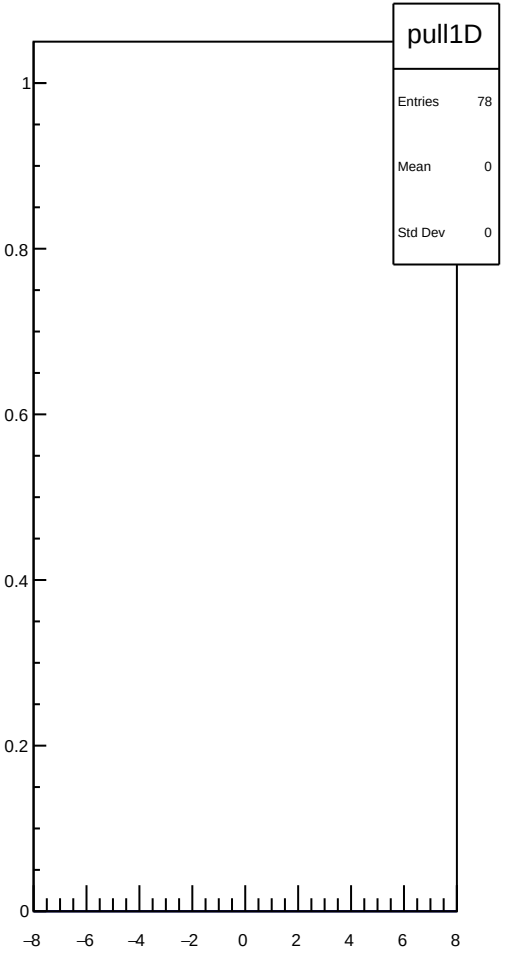

dit_sam1_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800


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

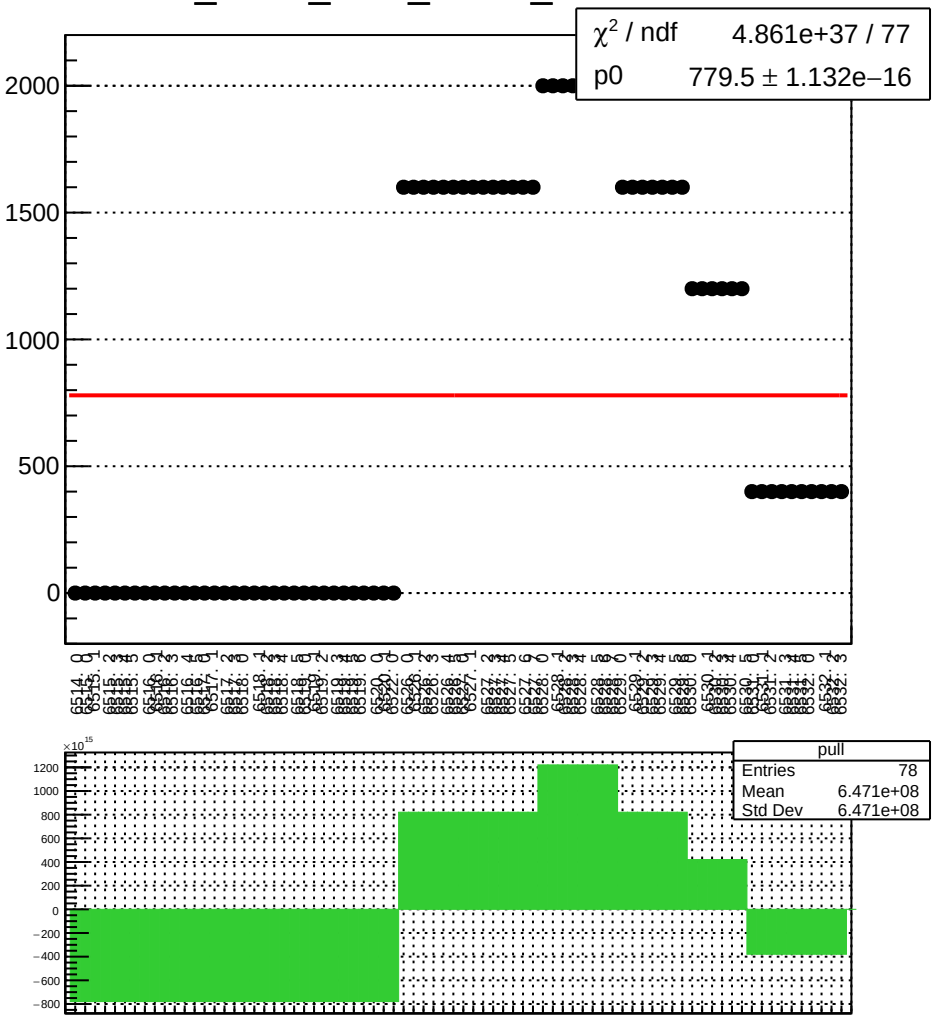

dit_sam2_coil3_mean vs run
χ² / ndf inf / 77
p0 1.138e+04 ± 1.132e−16
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.486e+09
Std Dev 2.486e+09
×10¹⁵
10000
5000
0
−5000
−10000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

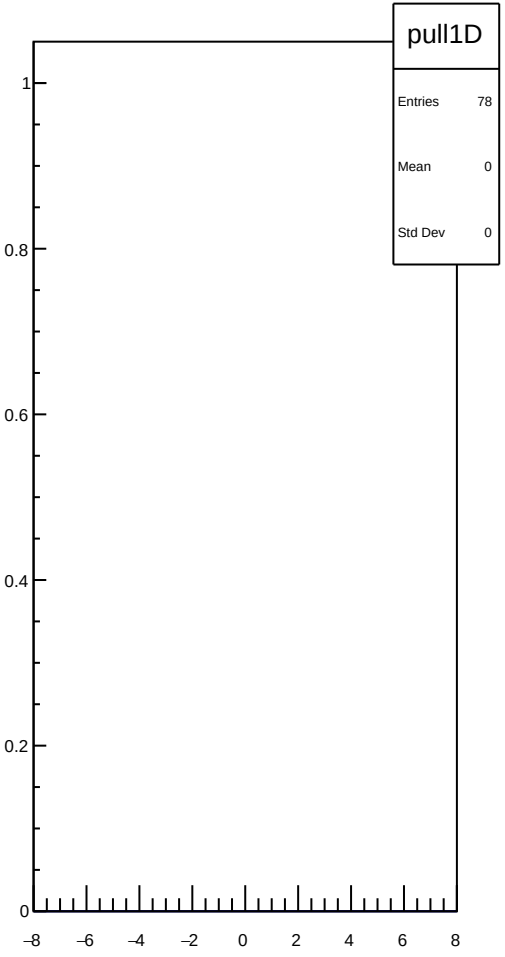
dit_sam2_coil3_err_mean vs run

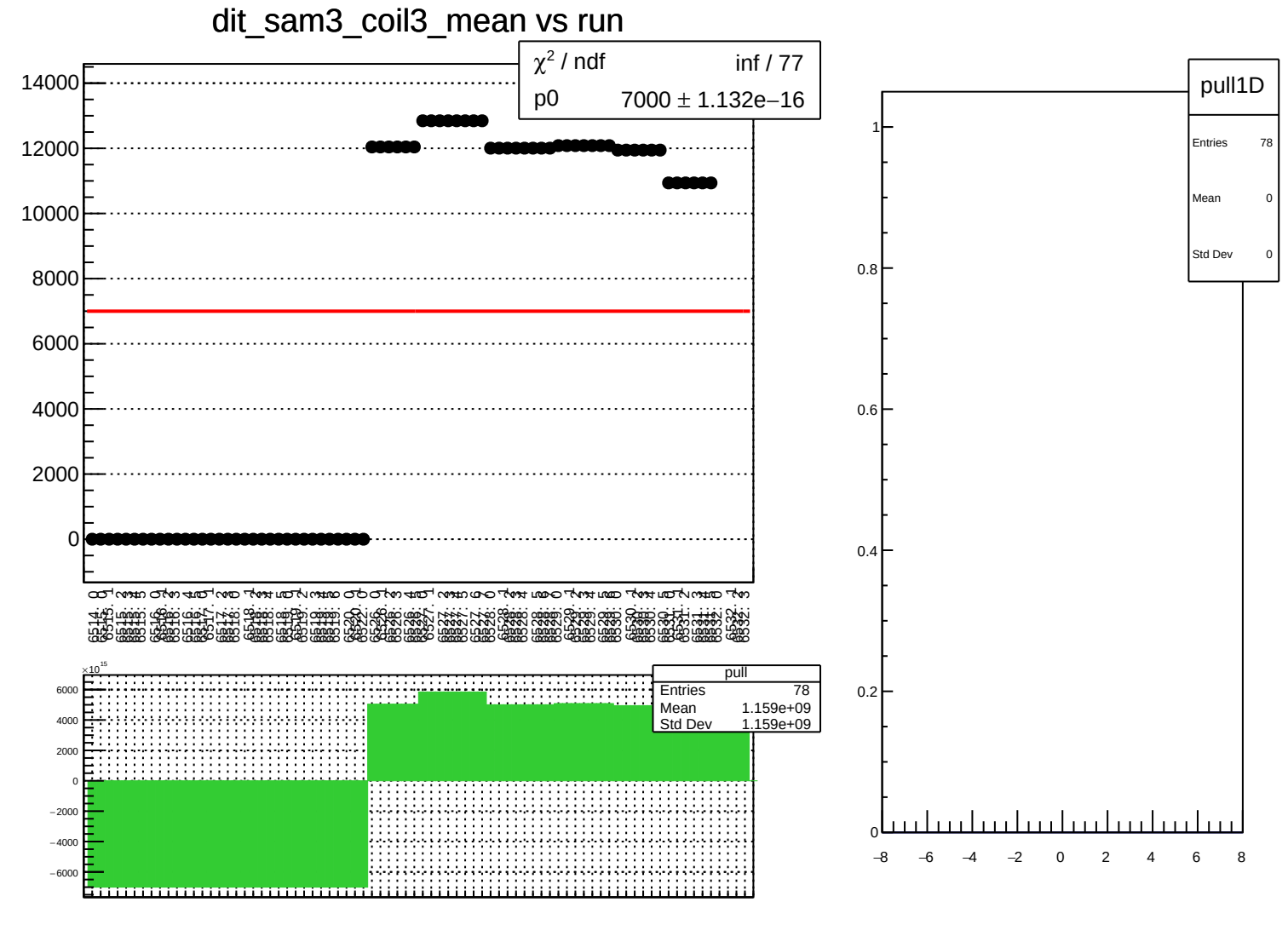


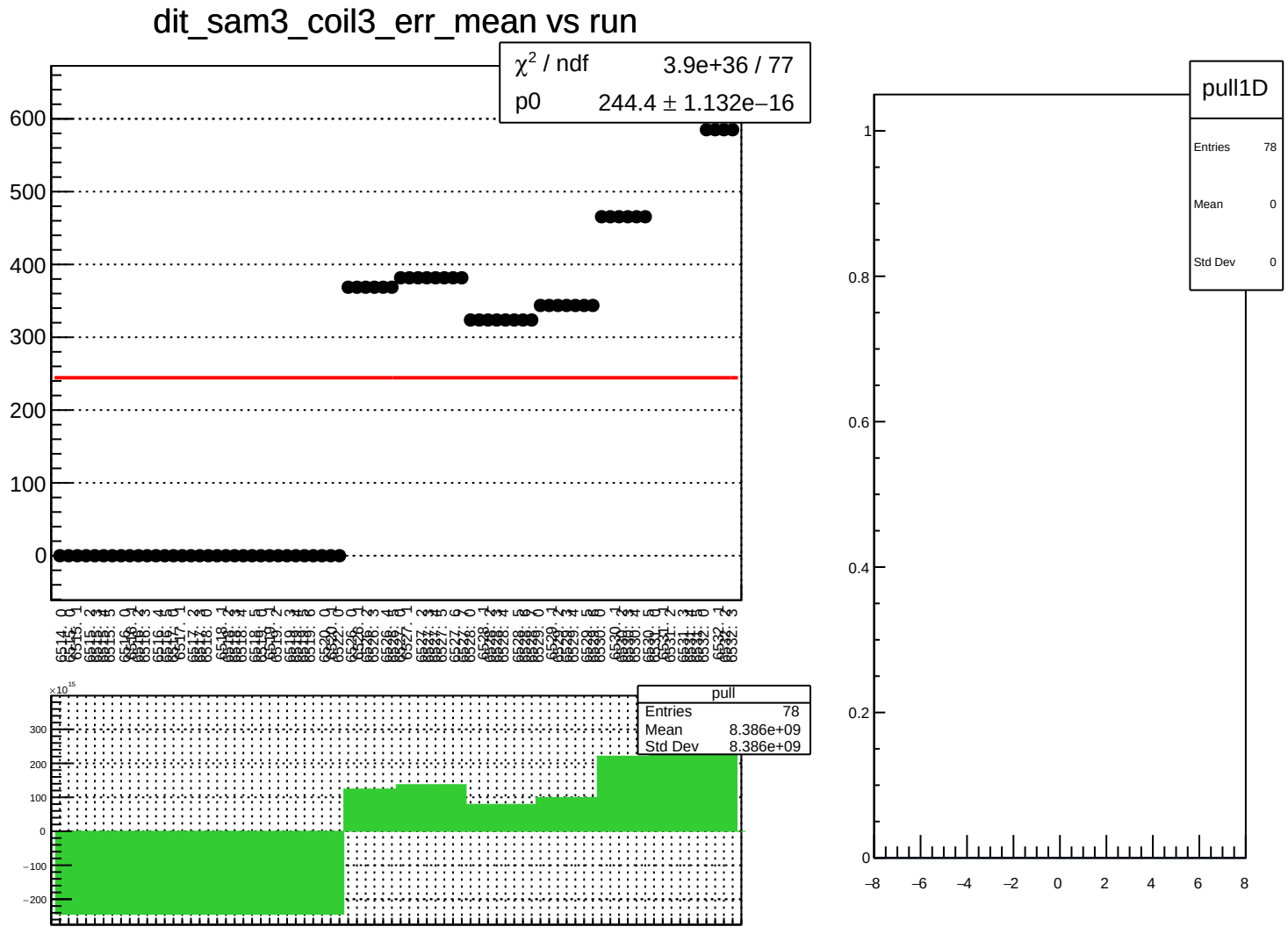


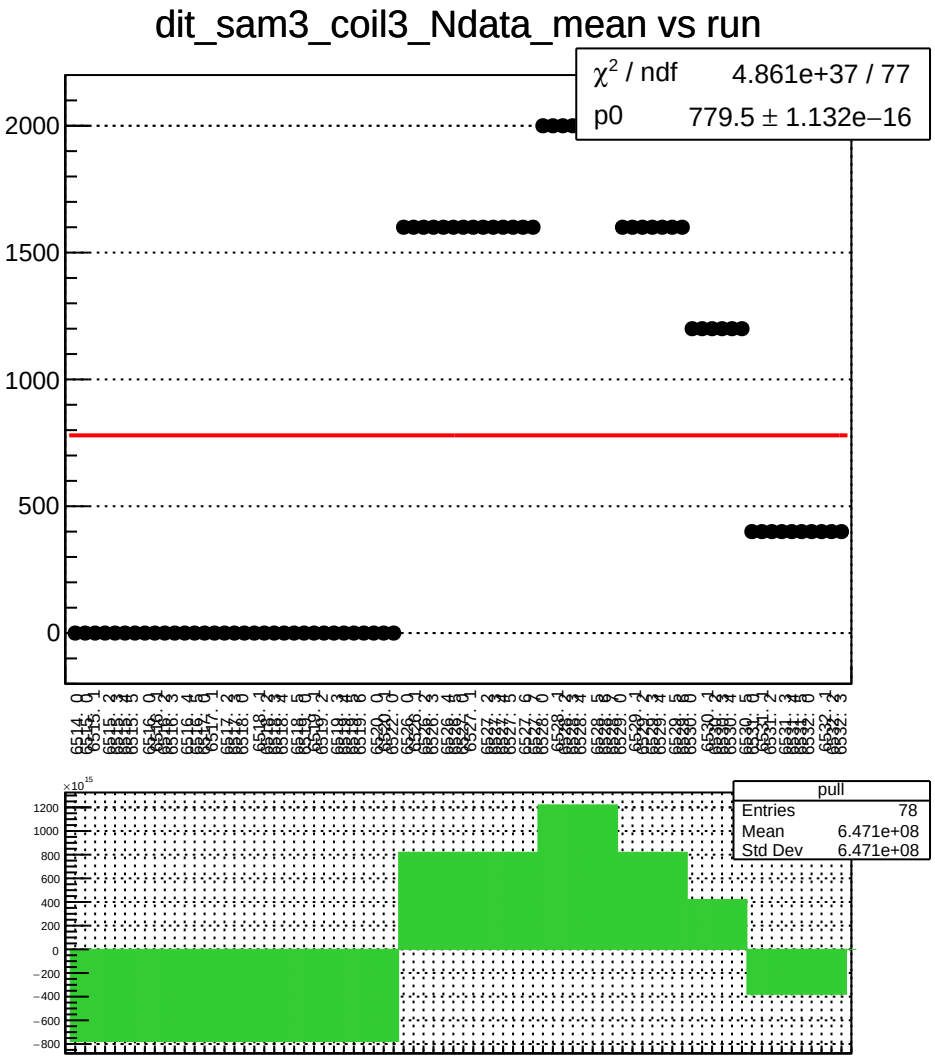
dit_sam2_coil3_Ndata_mean vs run

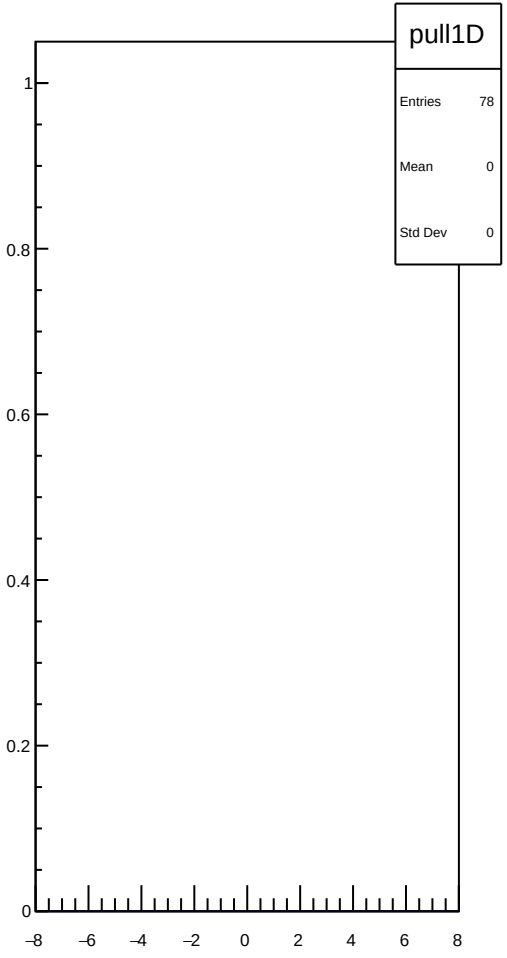


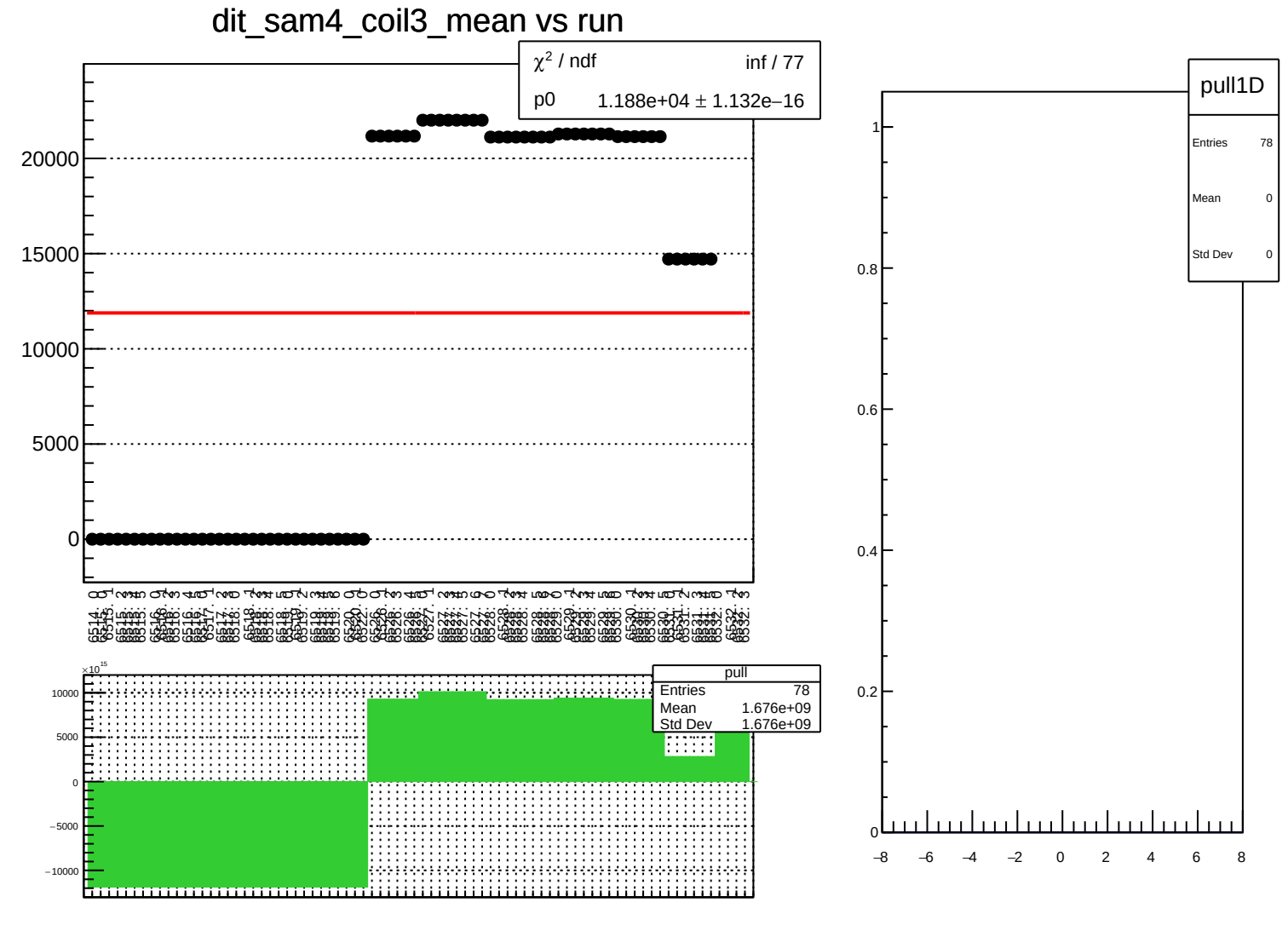


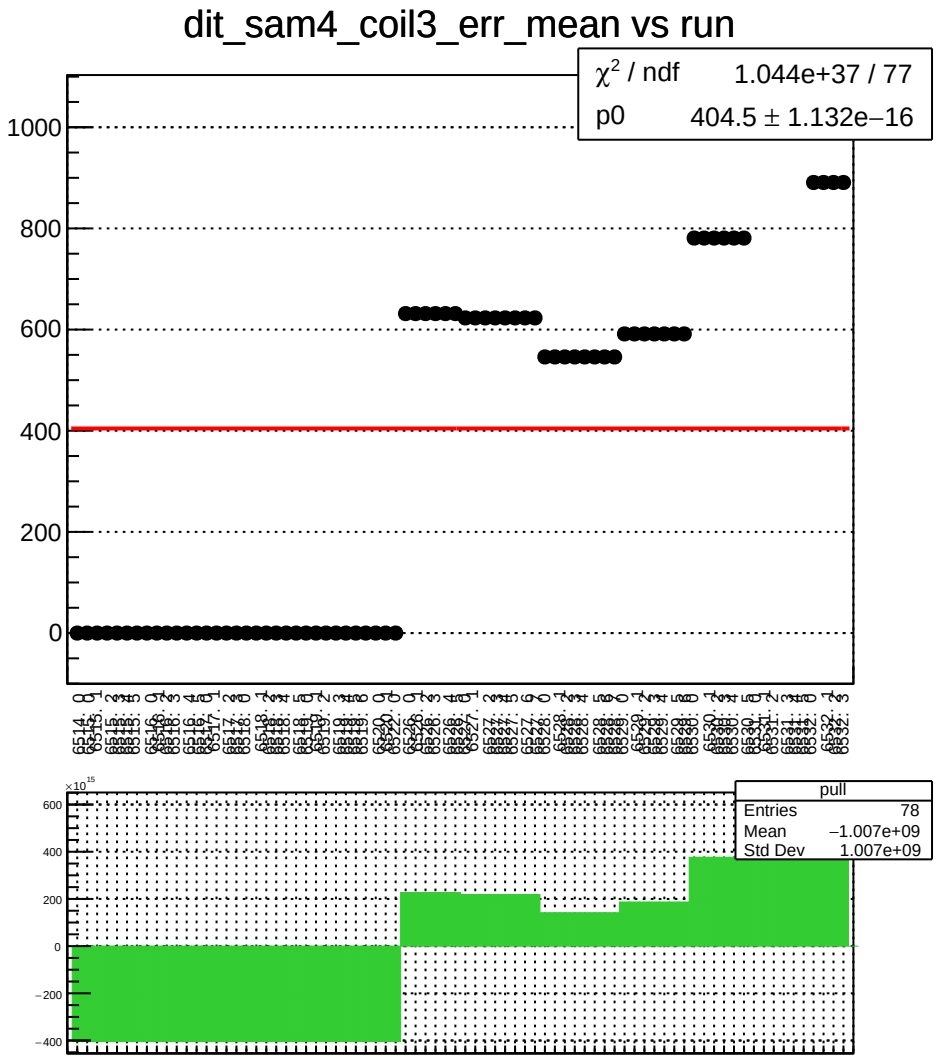

dit_sam3_coil3_mean vs run
χ^2 / ndf inf / 77
p0 7000 ± 1.132e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean 1.159e+09
Std Dev 1.159e+09
6000
4000
2000
0
−2000
−4000
−6000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

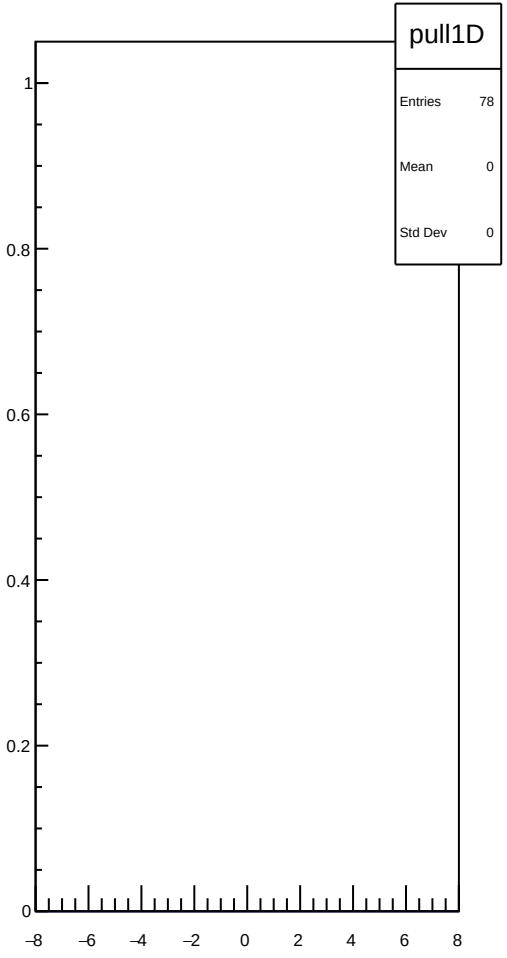

dit_sam3_coil3_err_mean vs run
χ² / ndf 3.9e+36 / 77
p0 244.4 ± 1.132e−16
pull
Entries 78
Mean 8.386e+09
Std Dev 8.386e+09
pull1D
Entries 78
Mean 0
Std Dev 0

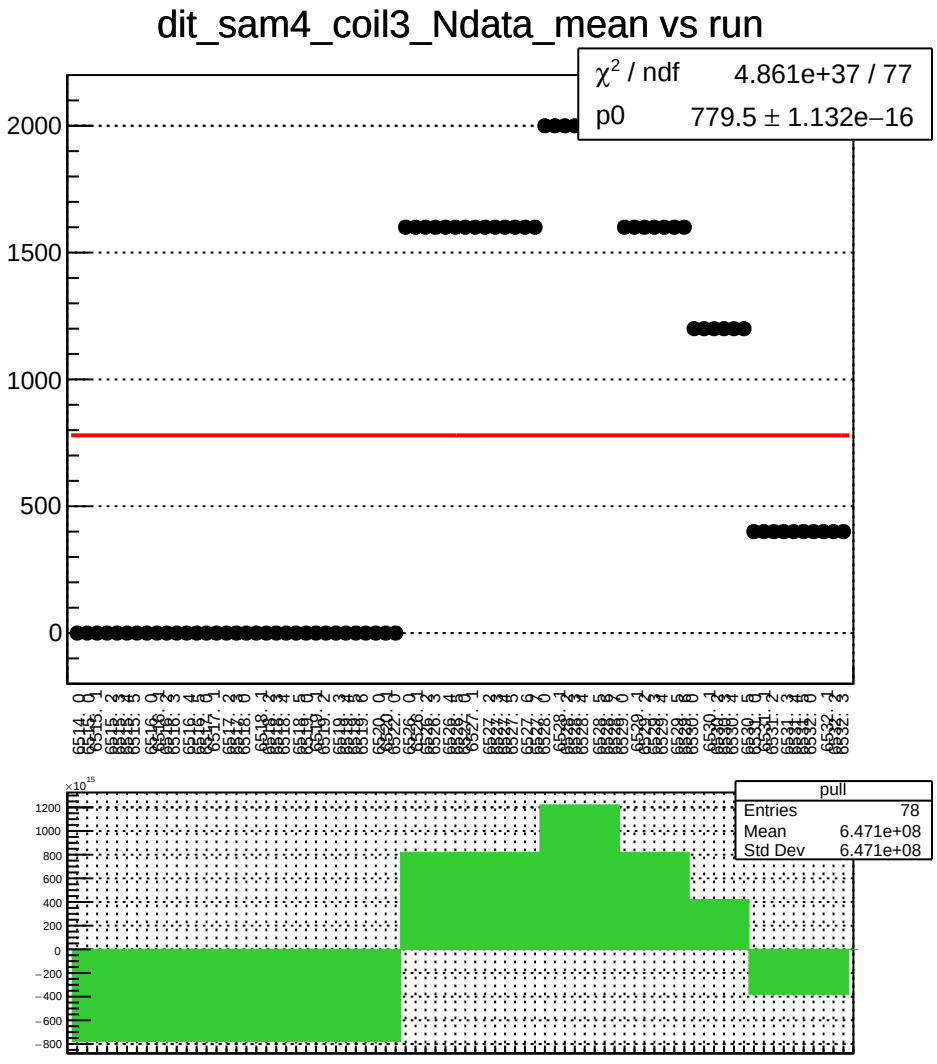

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800

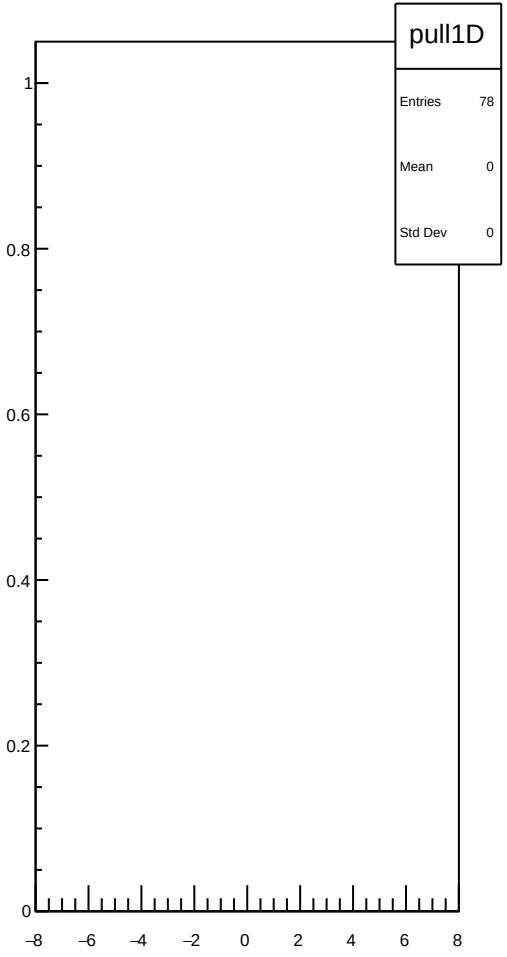

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

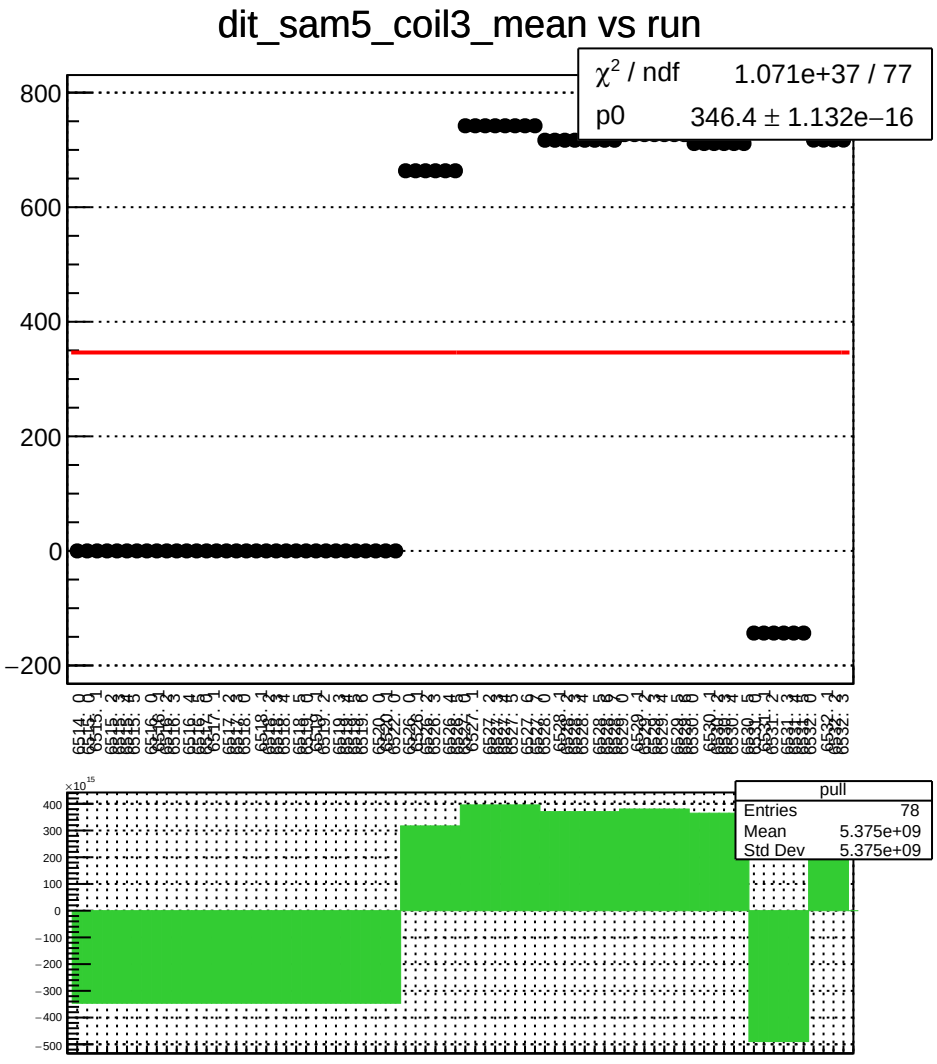

dit_sam4_coil3_mean vs run
χ² / ndf inf / 77
p0 1.188e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean 1.676e+09
Std Dev 1.676e+09
10000
5000
0
−5000
−10000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

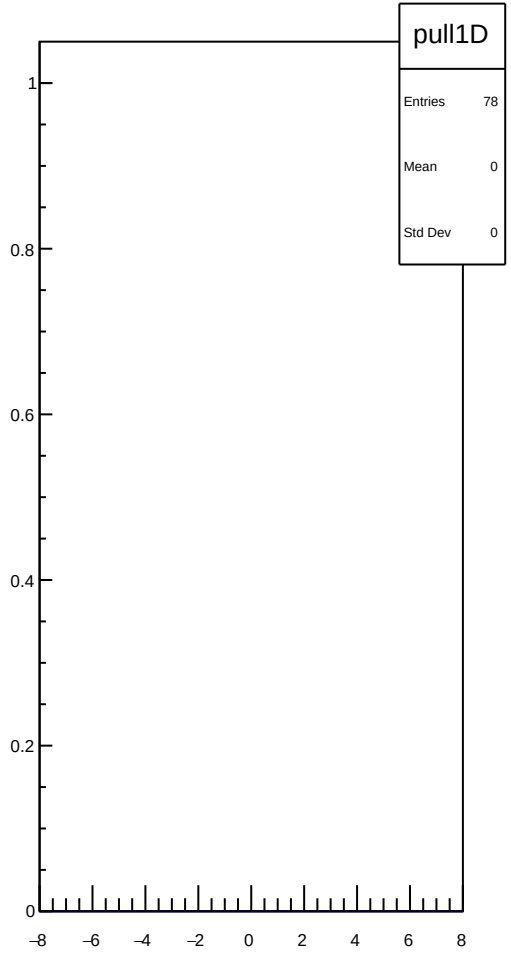

dit_sam4_coil3_err_mean vs run
χ² / ndf 1.044e+37 / 77
p0 404.5 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.007e+09
Std Dev 1.007e+09
×10¹⁵
600
400
200
0
−200
−400

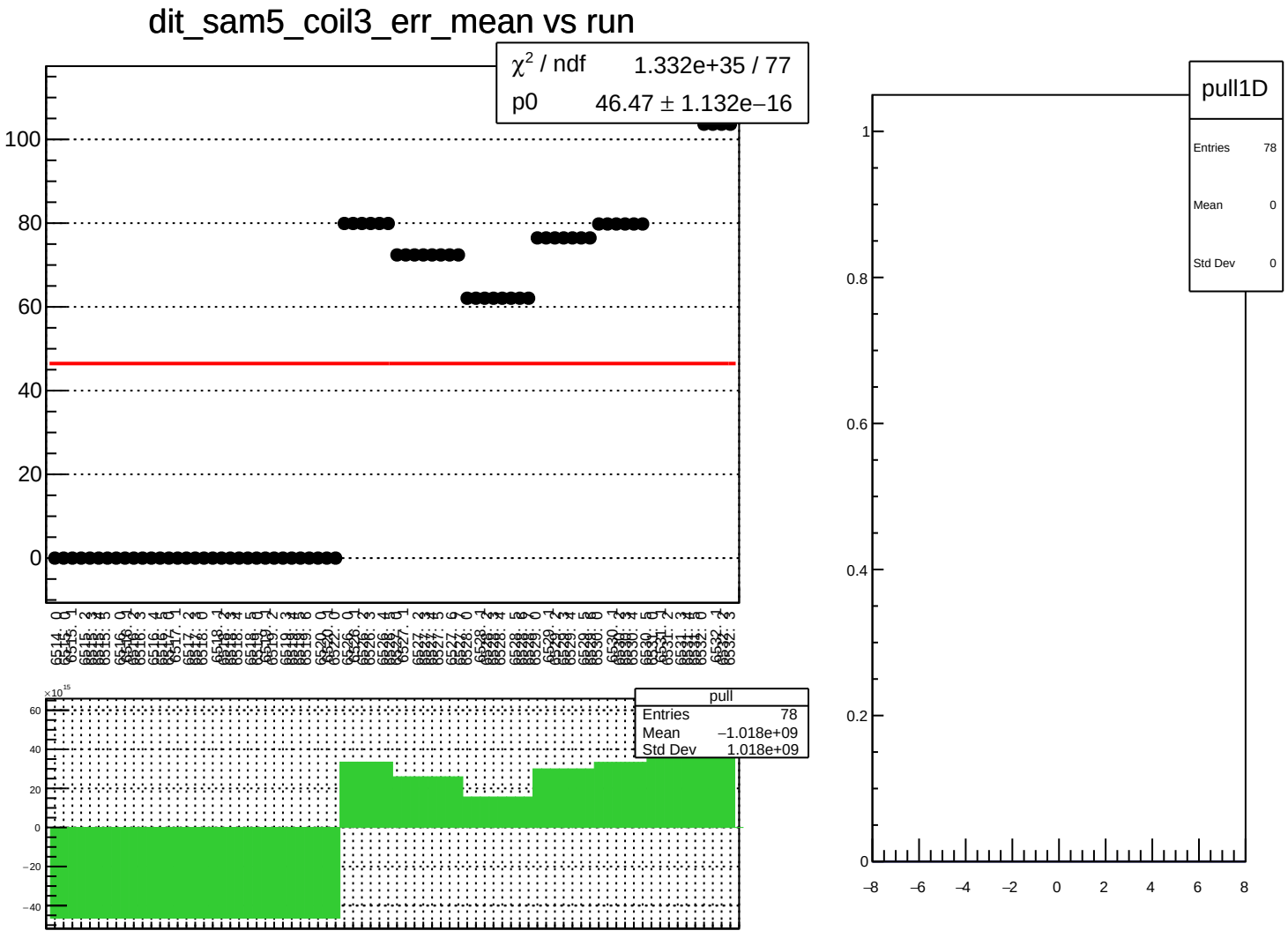

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

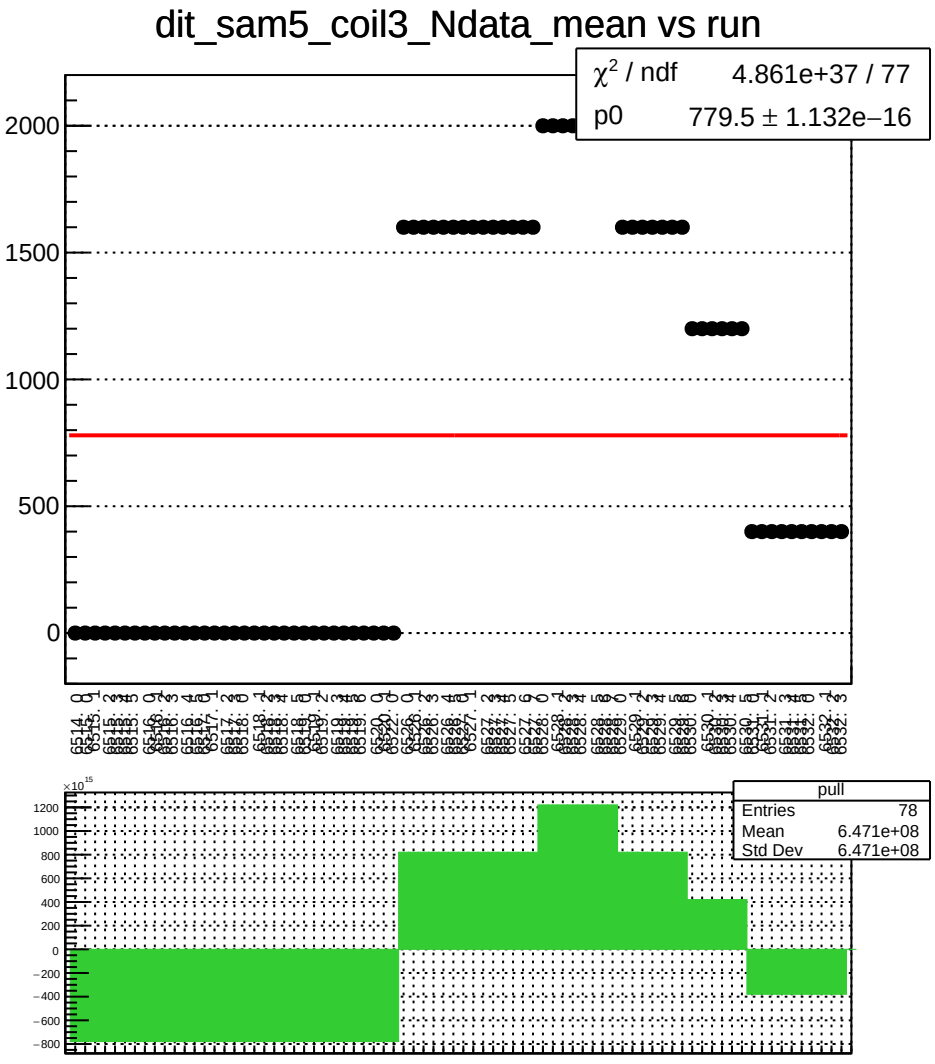

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800

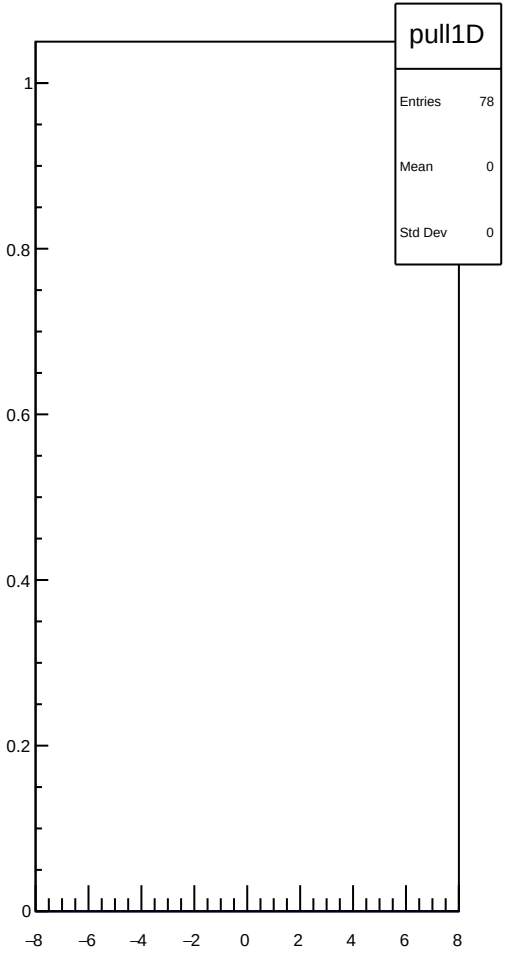

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

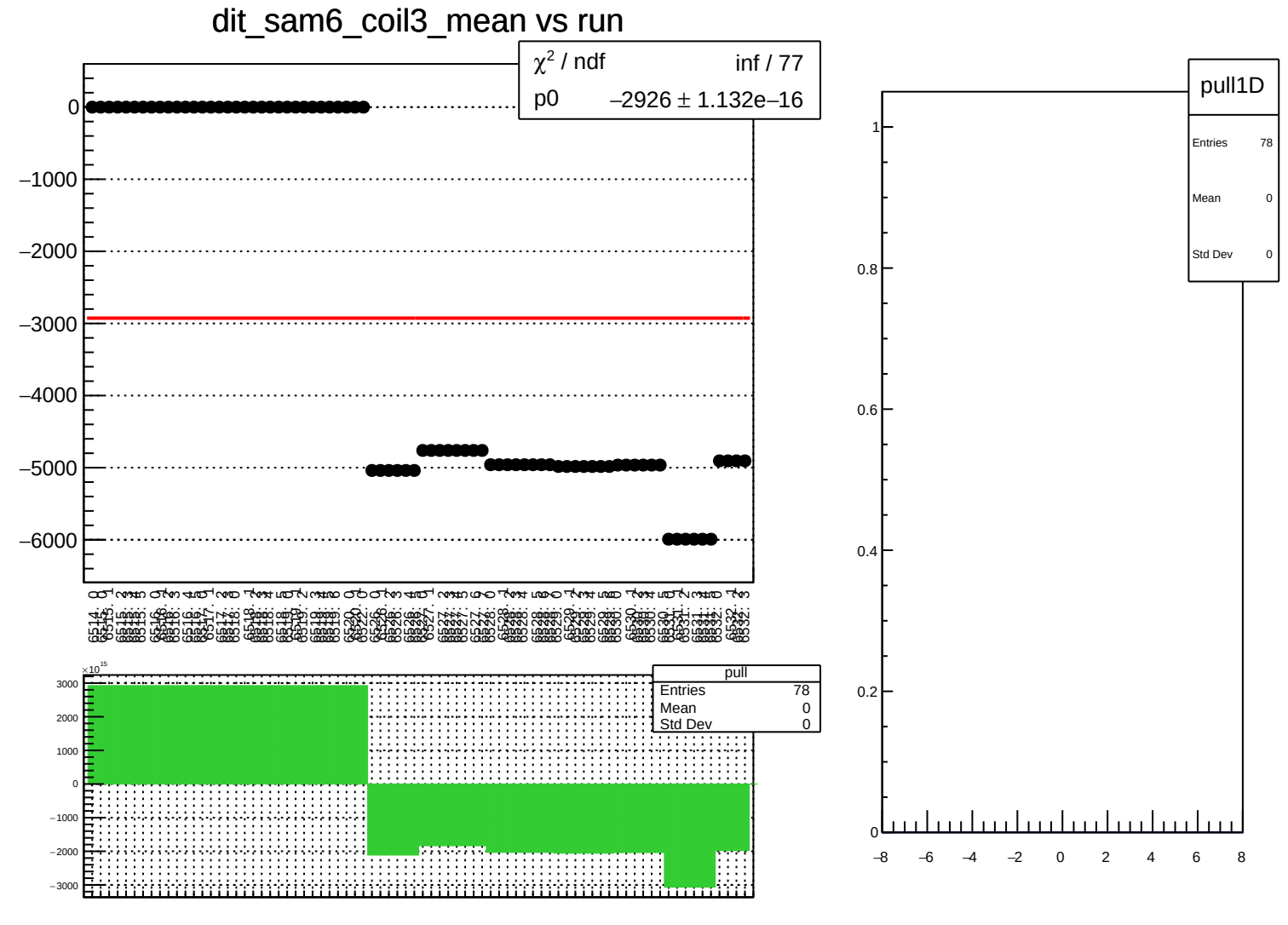

dit_sam5_coil3_mean vs run
χ^2 / ndf 1.071e+37 / 77
p0 346.4 ± 1.132e−16
pull
Entries 78
Mean 5.375e+09
Std Dev 5.375e+09


pull1D
Entries 78
Mean 0
Std Dev 0

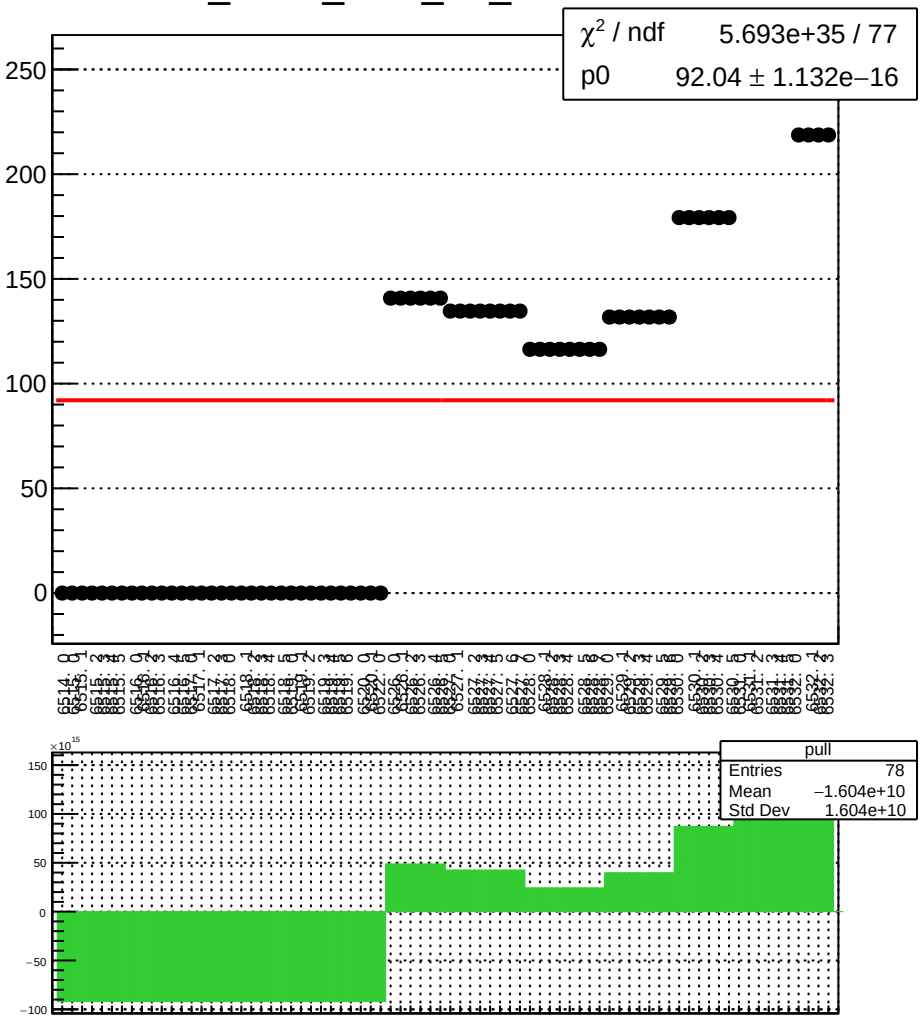

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.332e+35 / 77
p0 46.47 ± 1.132e−16
pull
Entries 78
Mean −1.018e+09
Std Dev 1.018e+09
pull1D
Entries 78
Mean 0
Std Dev 0

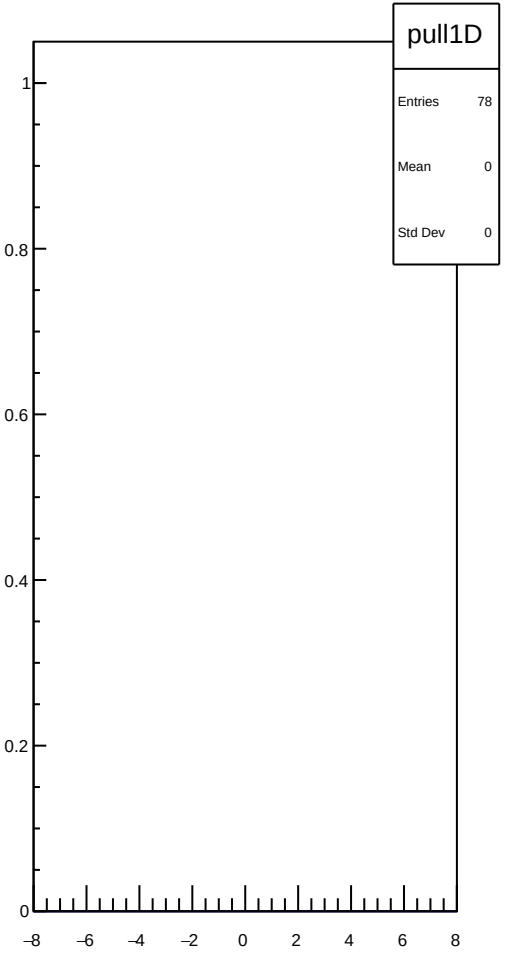

dit_sam5_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800

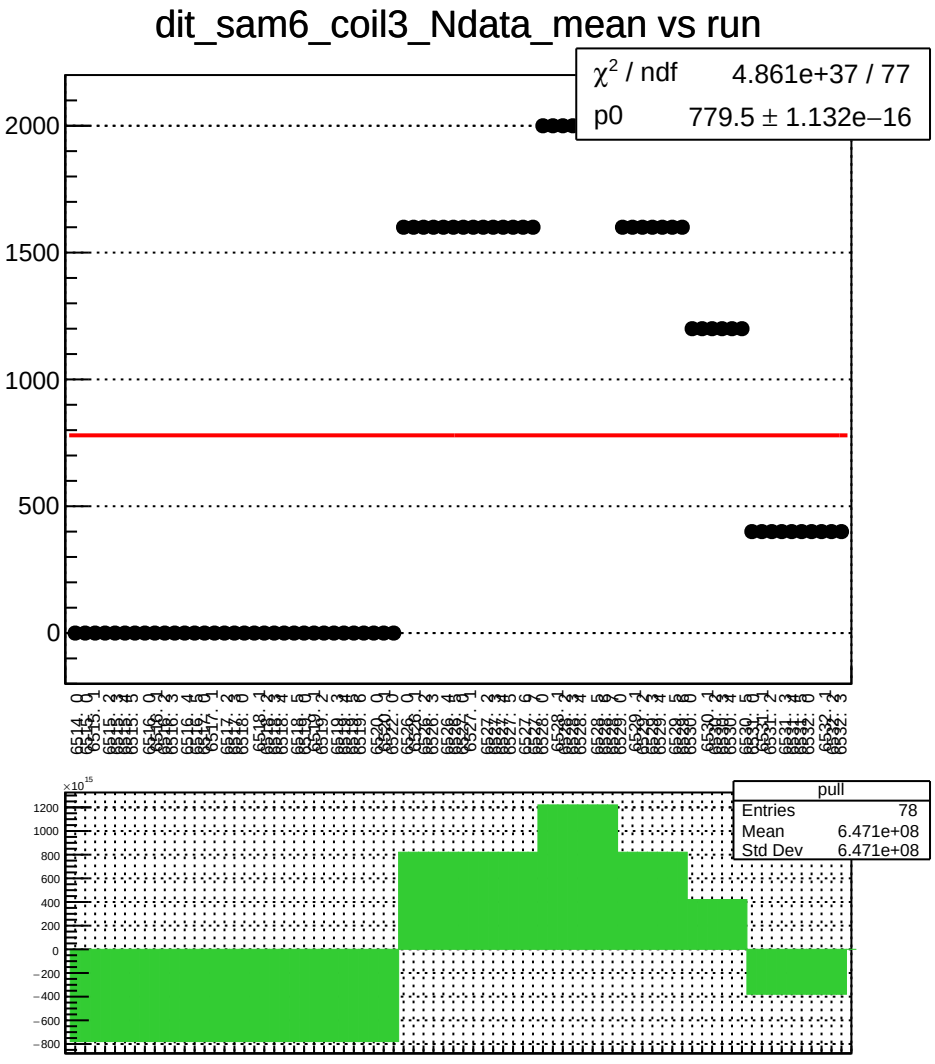

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

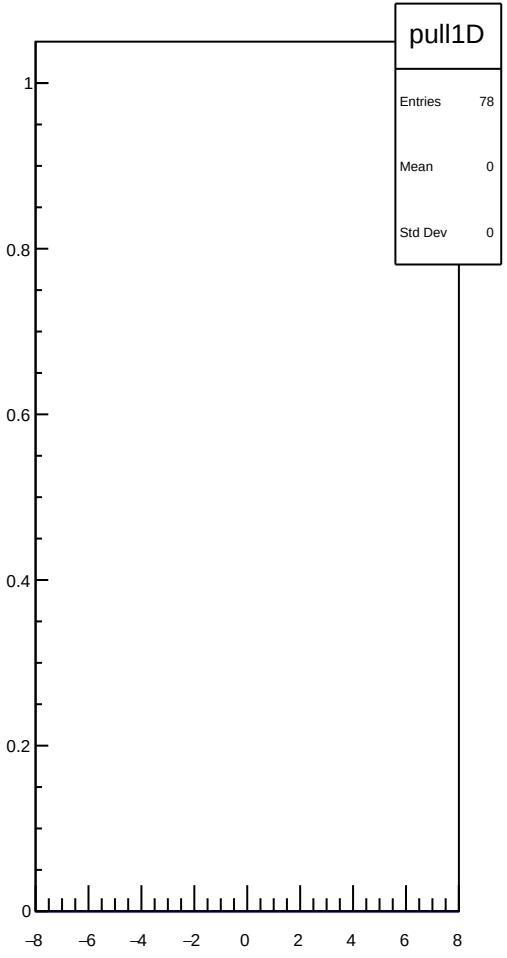

dit_sam6_coil3_mean vs run
χ^2 / ndf inf / 77
p0 –2926 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 78
Mean 0
Std Dev 0
3000
2000
1000
0
–1000
–2000
–3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

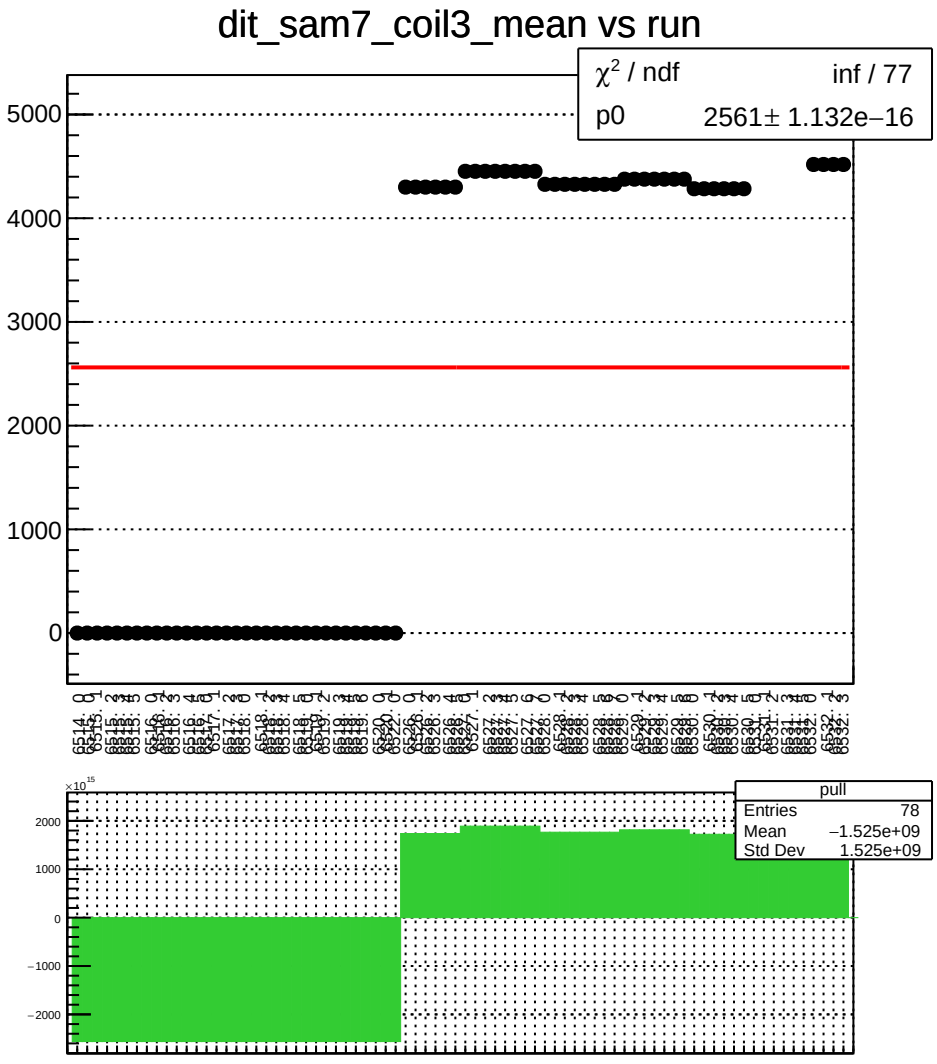
dit_sam6_coil3_err_mean vs run

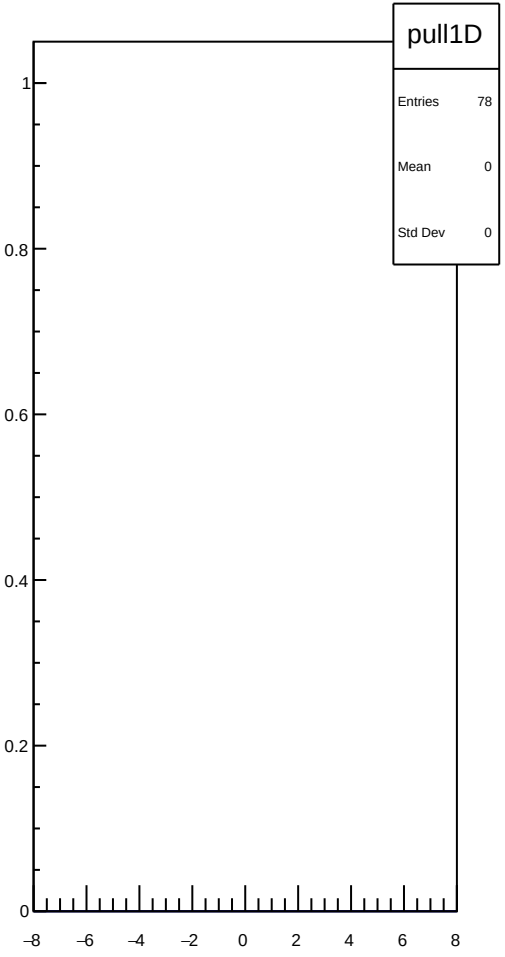


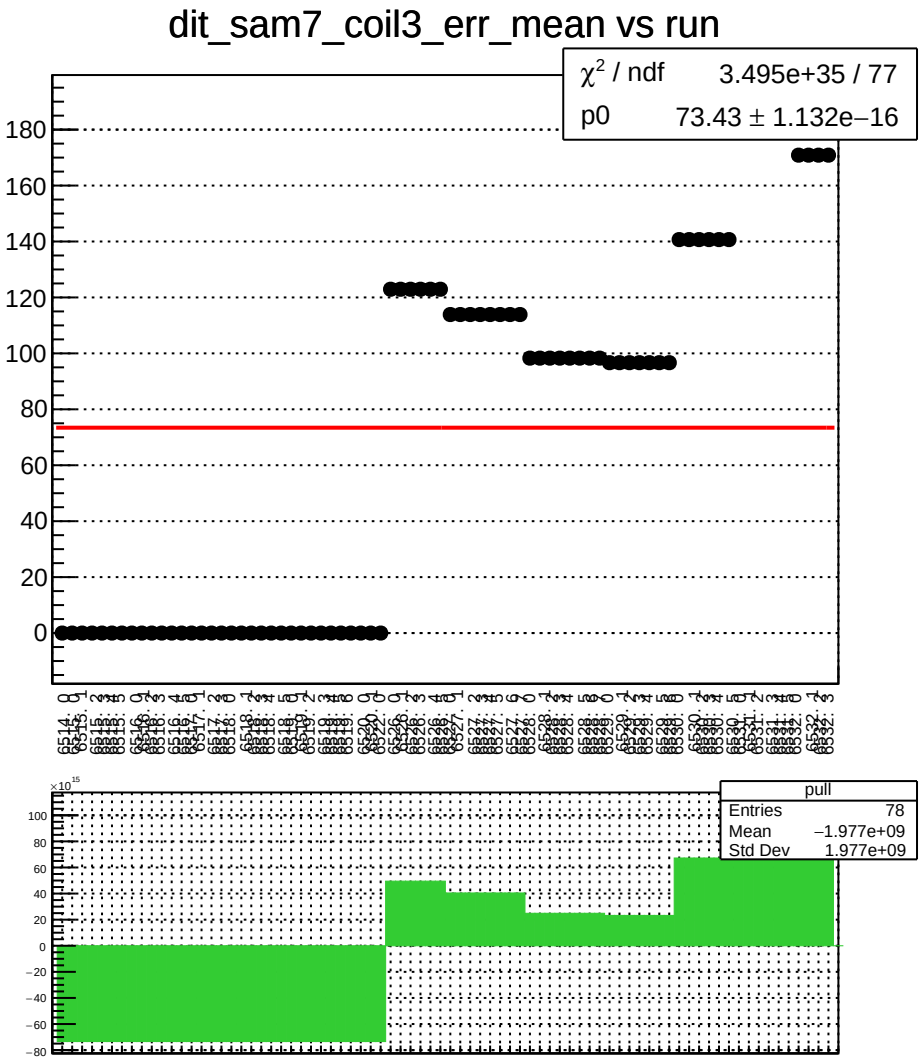


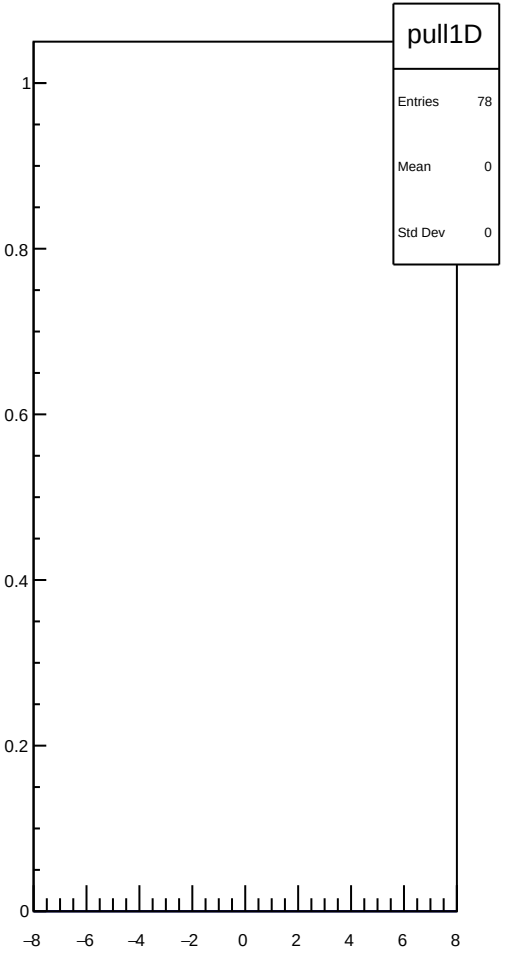

dit_sam6_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08

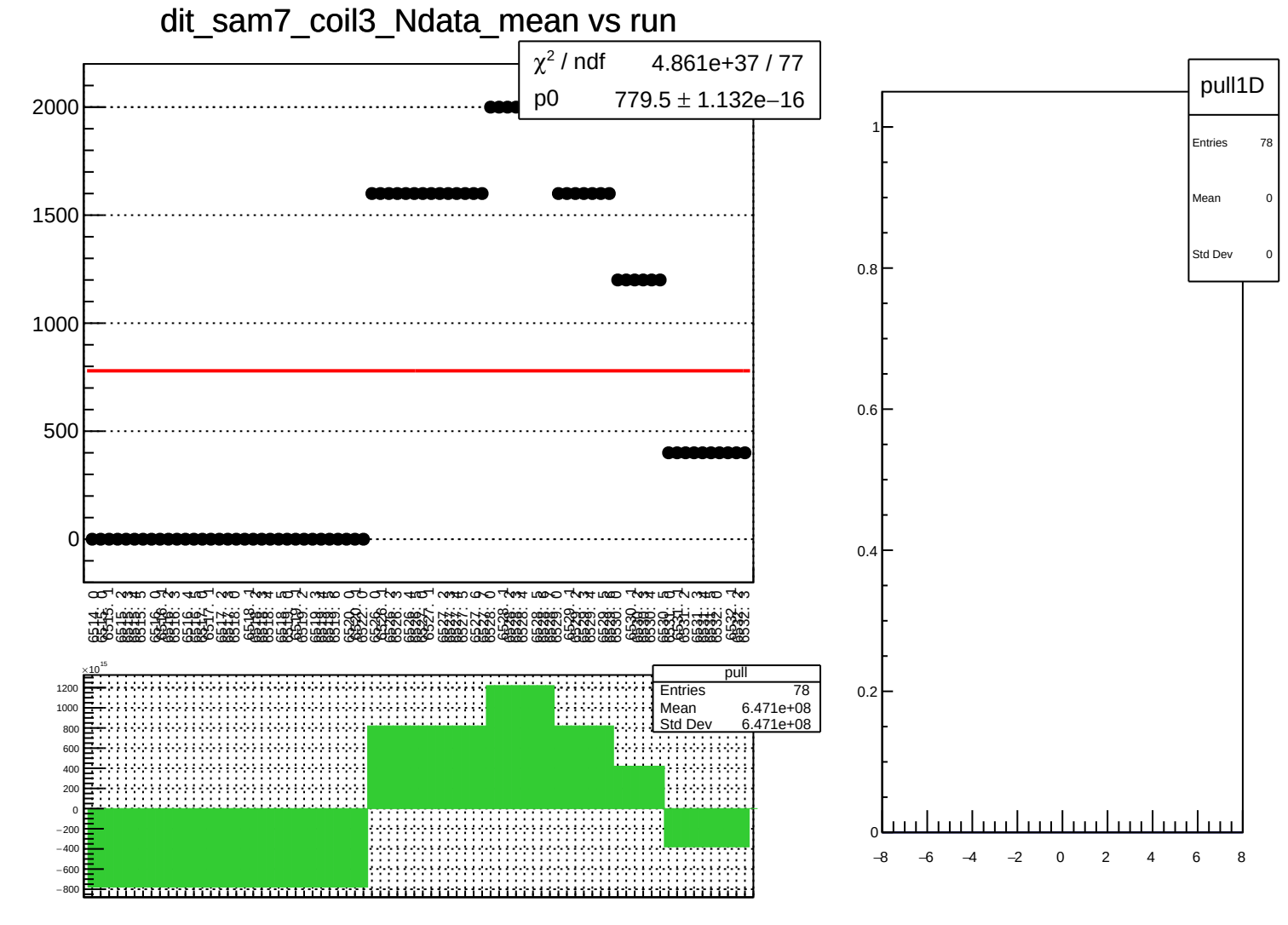

pull1D
Entries 78
Mean 0
Std Dev 0

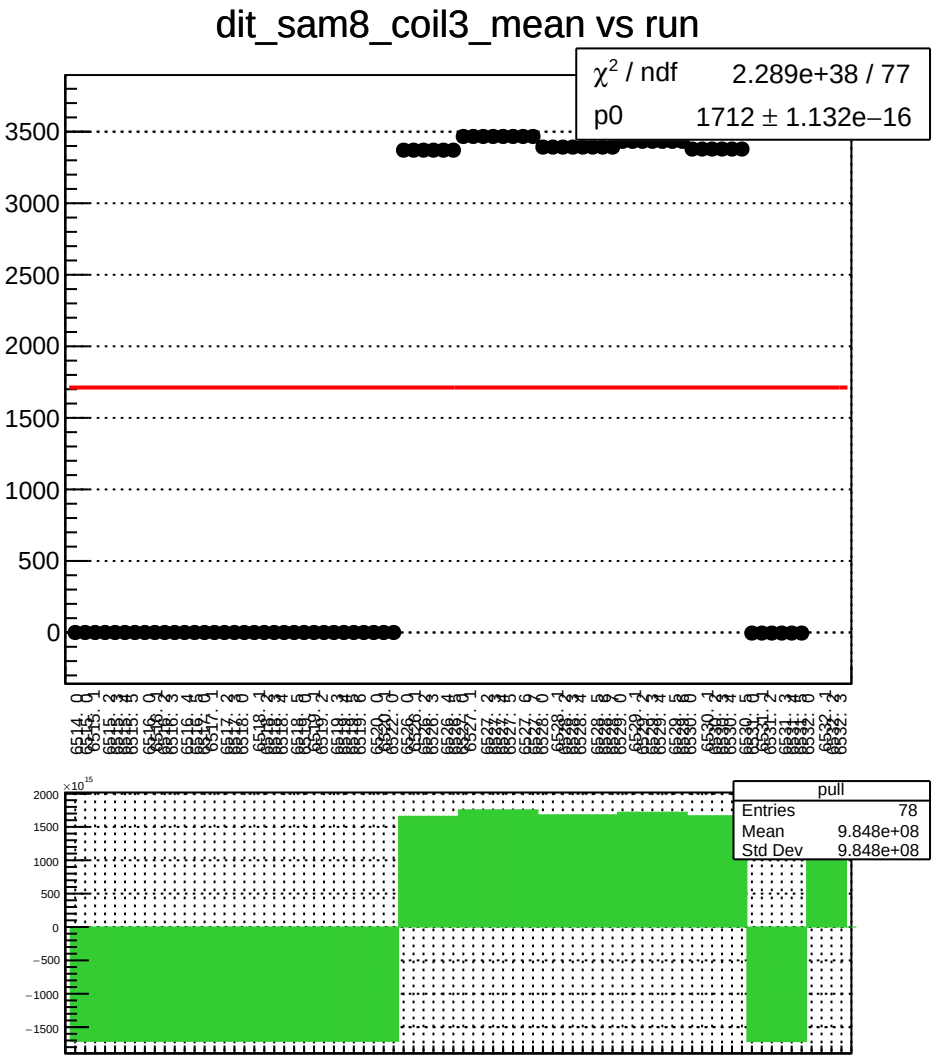

dit_sam7_coil3_mean vs run
χ^2 / ndf inf / 77
p0 2561± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.525e+09
Std Dev 1.525e+09
2000
1000
0
−1000
−2000

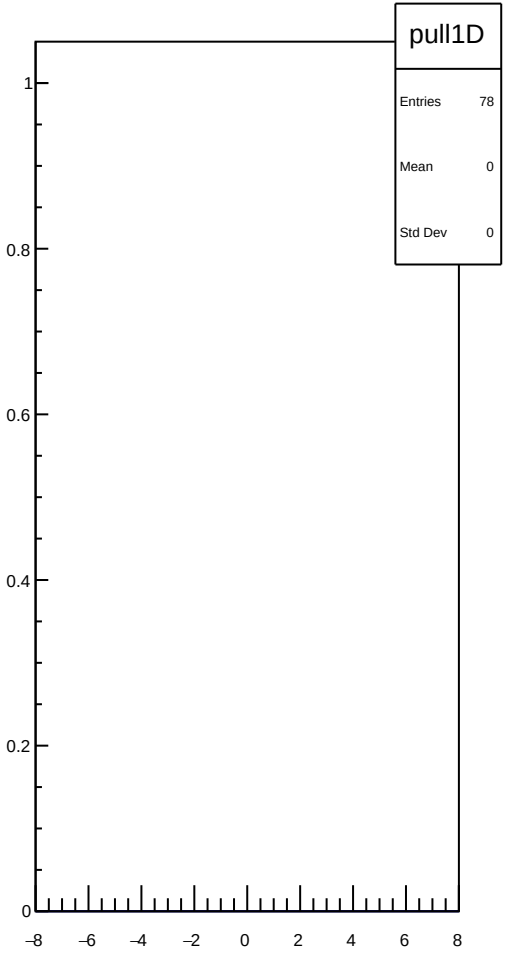

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

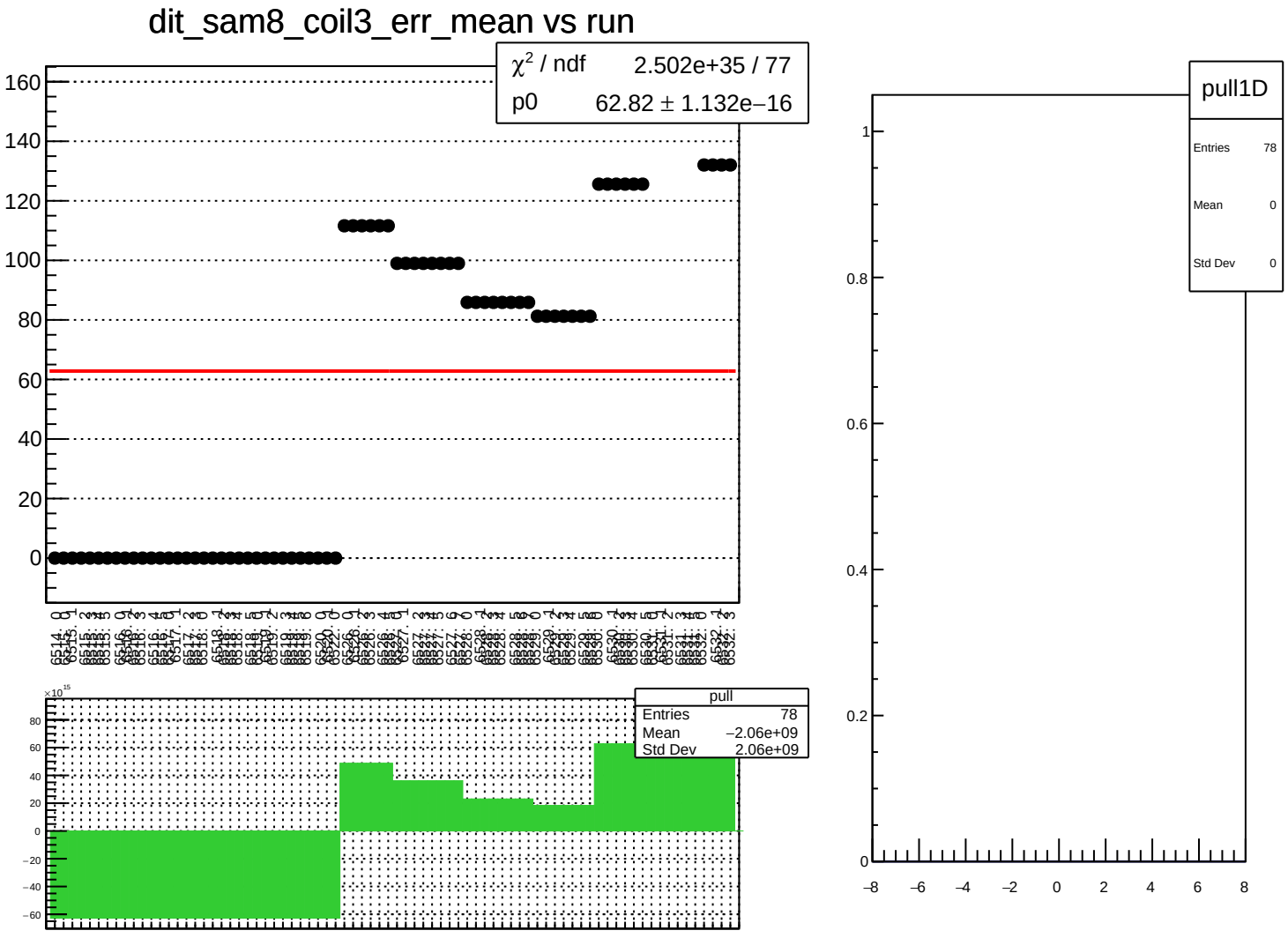

dit_sam7_coil3_err_mean vs run
χ² / ndf 3.495e+35 / 77
p0 73.43 ± 1.132e−16
pull
Entries 78
Mean −1.977e+09
Std Dev 1.977e+09

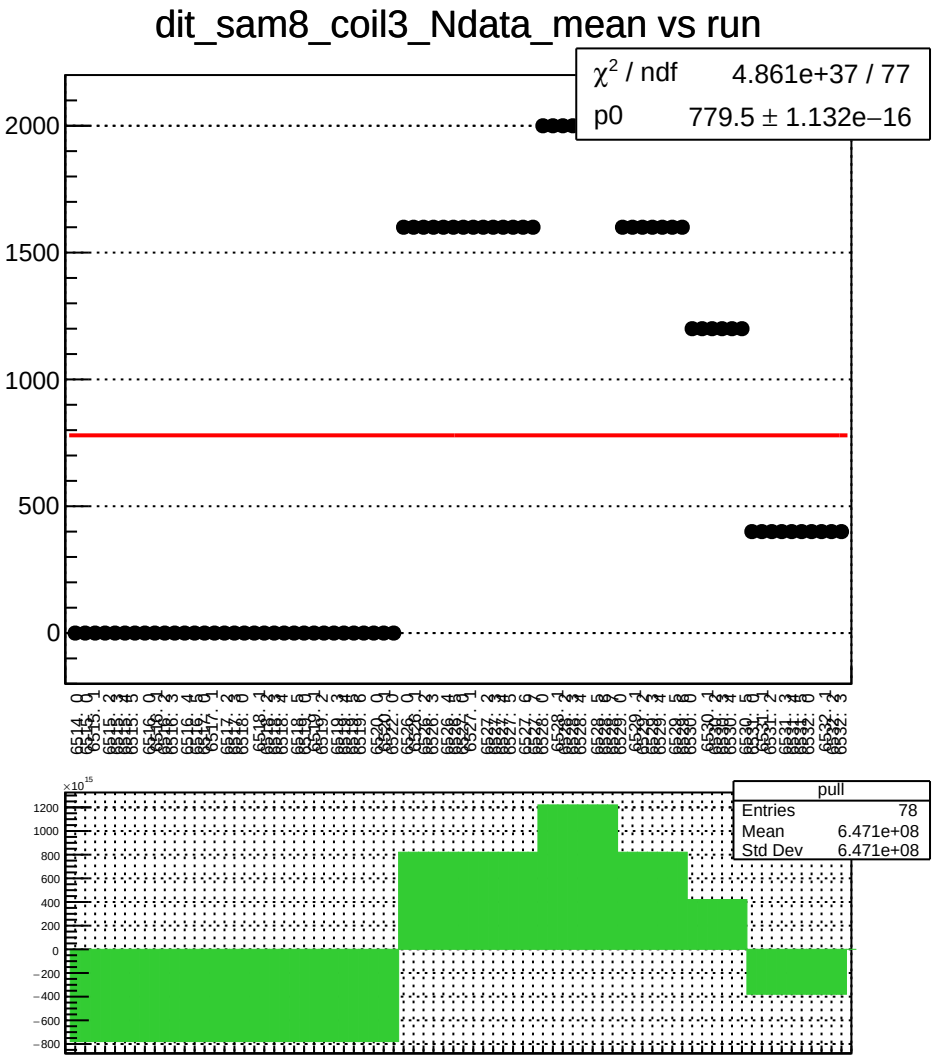

pull1D
Entries 78
Mean 0
Std Dev 0

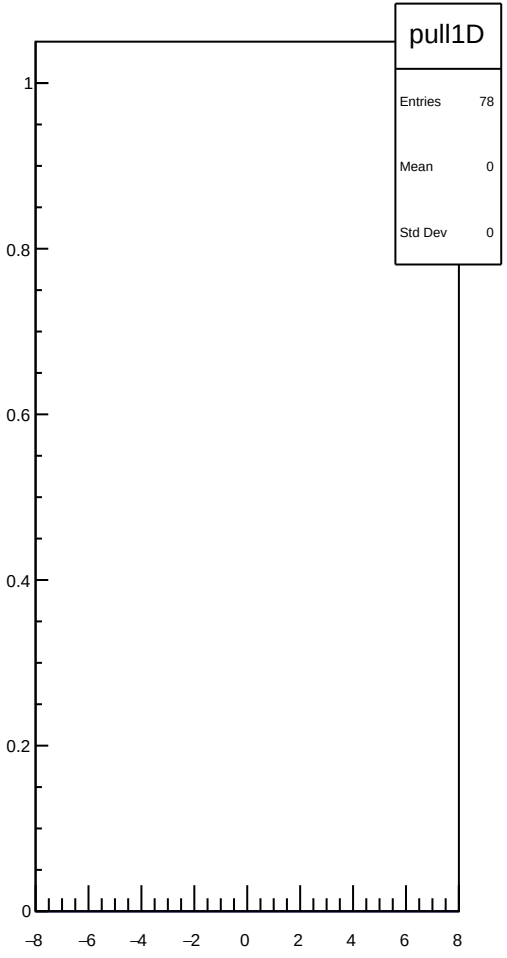

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
pull1D
Entries 78
Mean 0
Std Dev 0

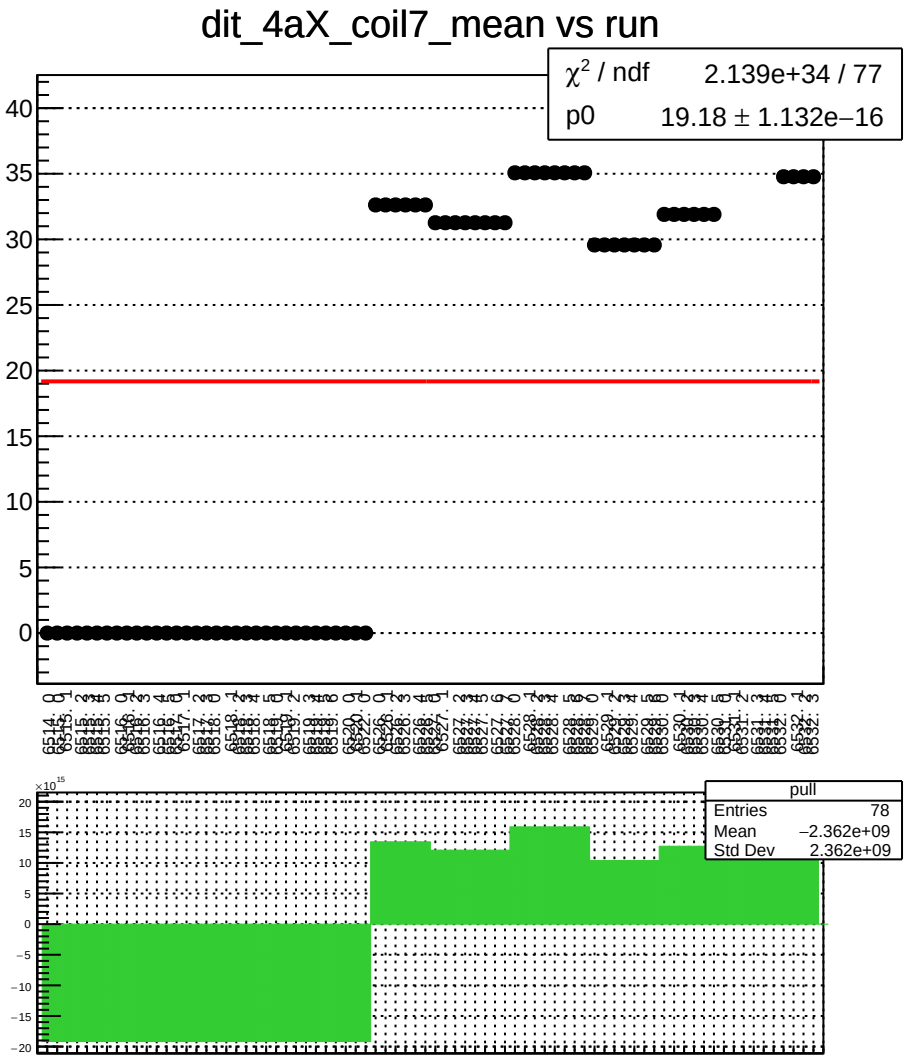

dit_sam8_coil3_mean vs run
χ² / ndf 2.289e+38 / 77
p0 1712 ± 1.132e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean 9.848e+08
Std Dev 9.848e+08
2000
1500
1000
500
0
−500
−1000
−1500

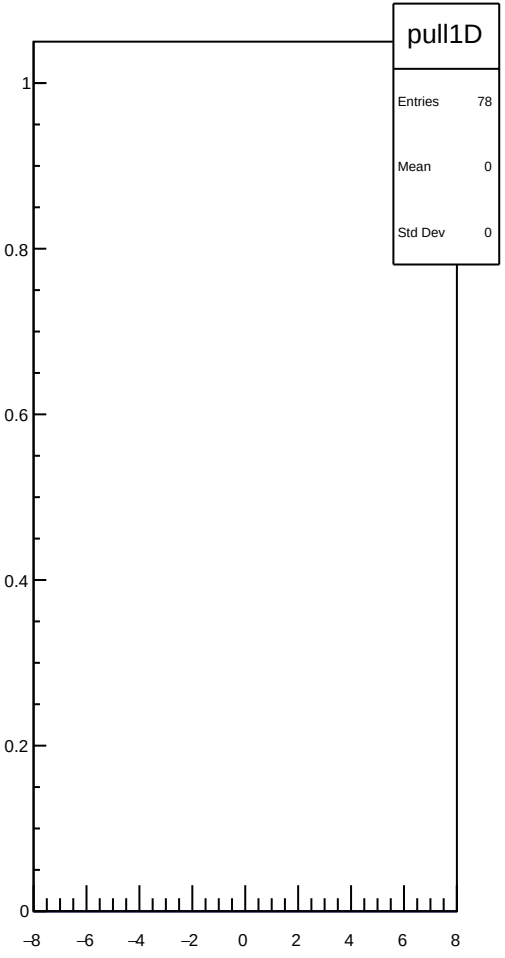

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil3_err_mean vs run
χ² / ndf 2.502e+35 / 77
p0 62.82 ± 1.132e−16
pull
Entries 78
Mean −2.06e+09
Std Dev 2.06e+09
pull1D
Entries 78
Mean 0
Std Dev 0

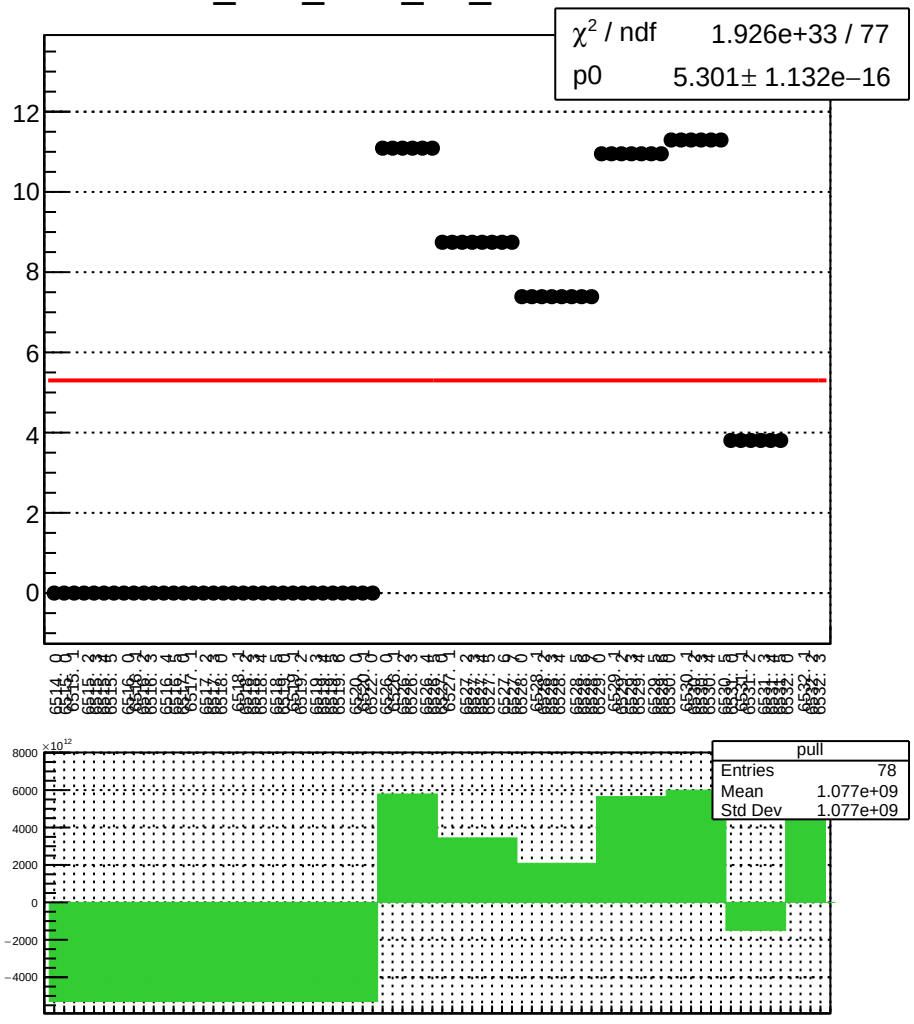

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 4.861e+37 / 77
p0 779.5 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 6.471e+08
Std Dev 6.471e+08
1200
1000
800
600
400
200
0
−200
−400
−600
−800

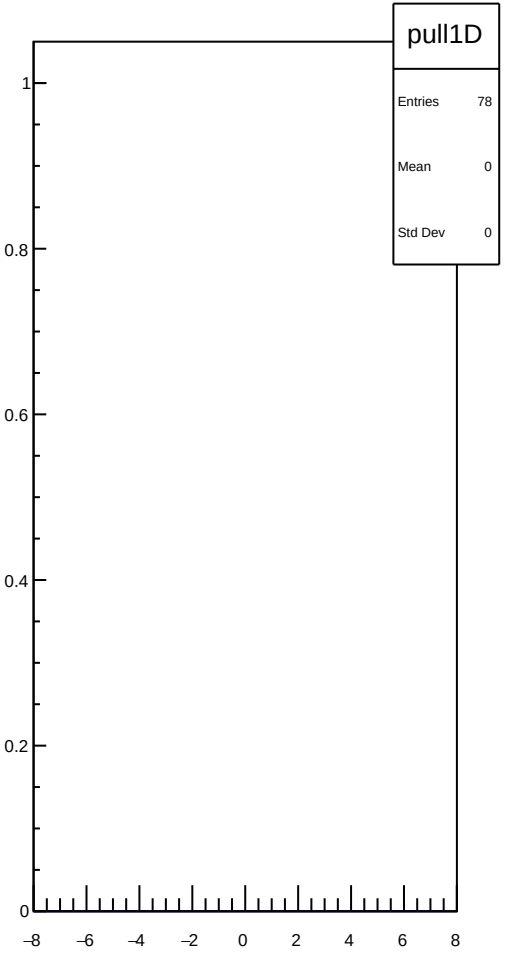

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil7_mean vs run
χ^2 / ndf 2.139e+34 / 77
p0 19.18 ± 1.132e−16
pull
Entries 78
Mean −2.362e+09
Std Dev 2.362e+09

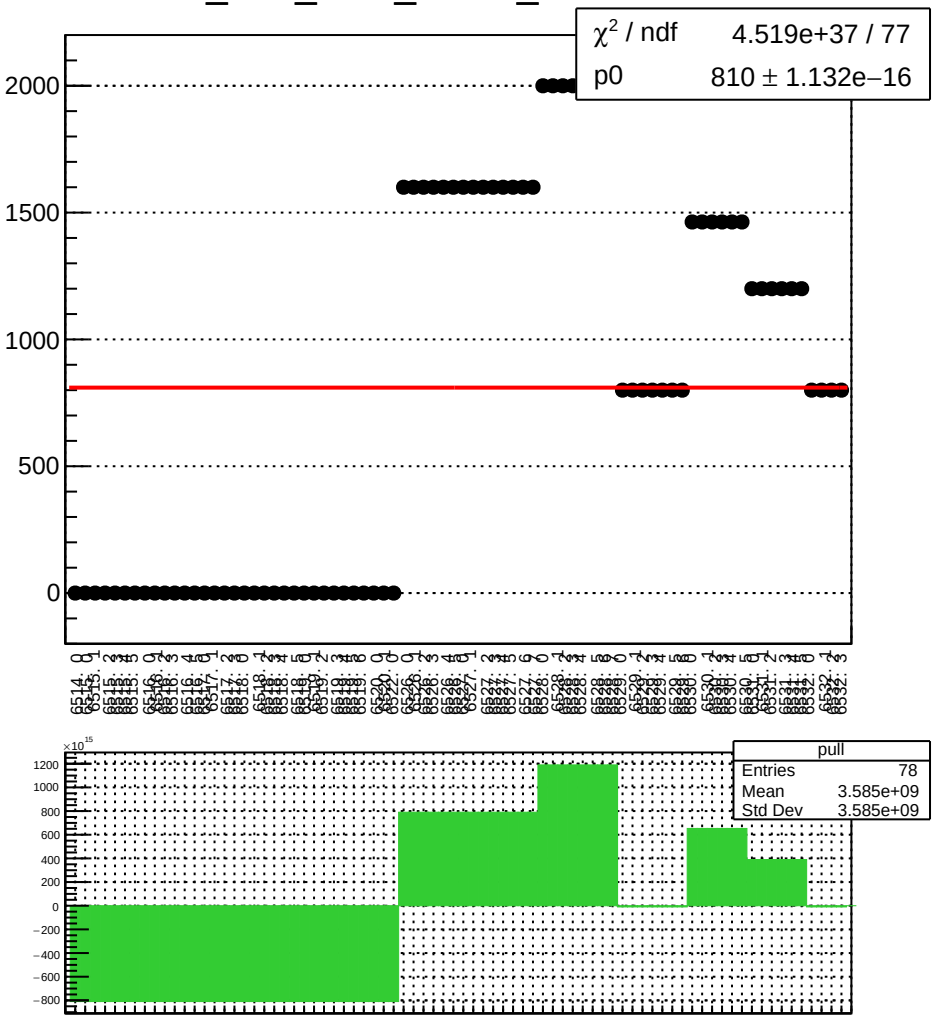

pull1D
Entries 78
Mean 0
Std Dev 0

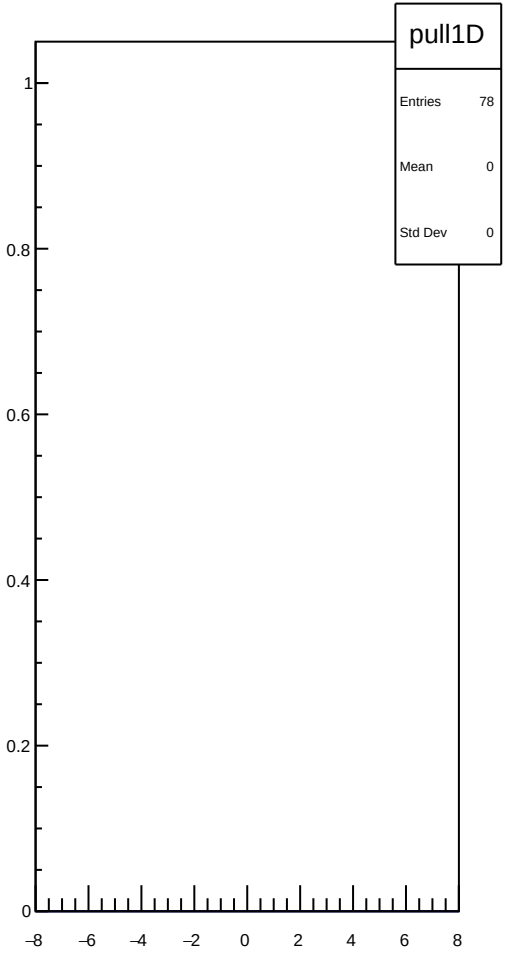
dit_4aX_coil7_err_mean vs run

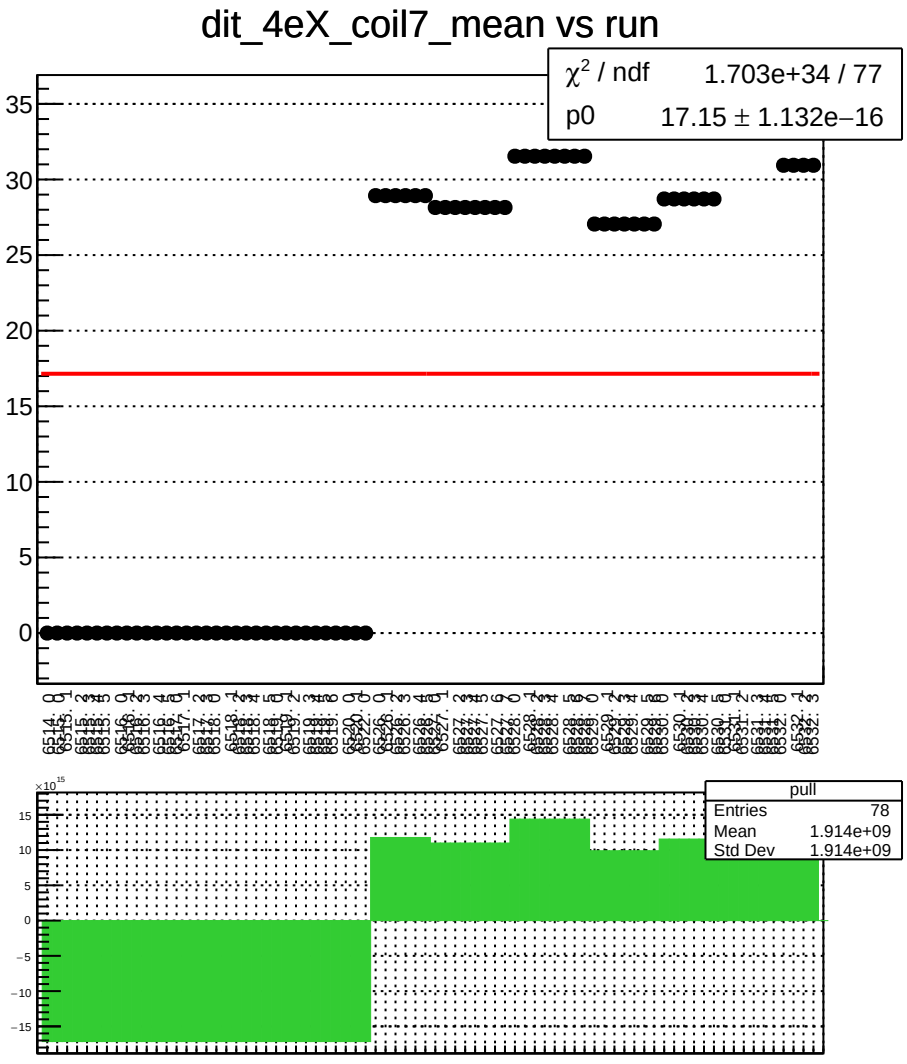


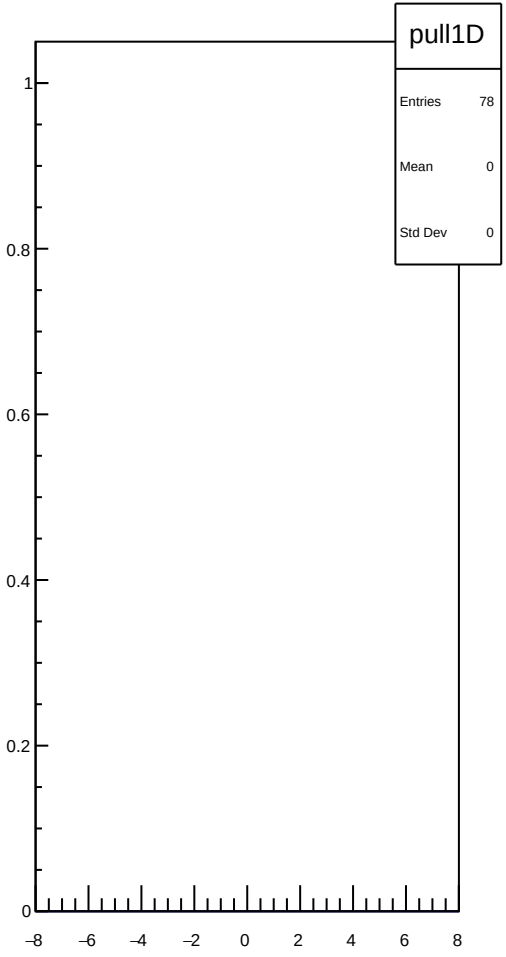


dit_4aX_coil7_Ndata_mean vs run

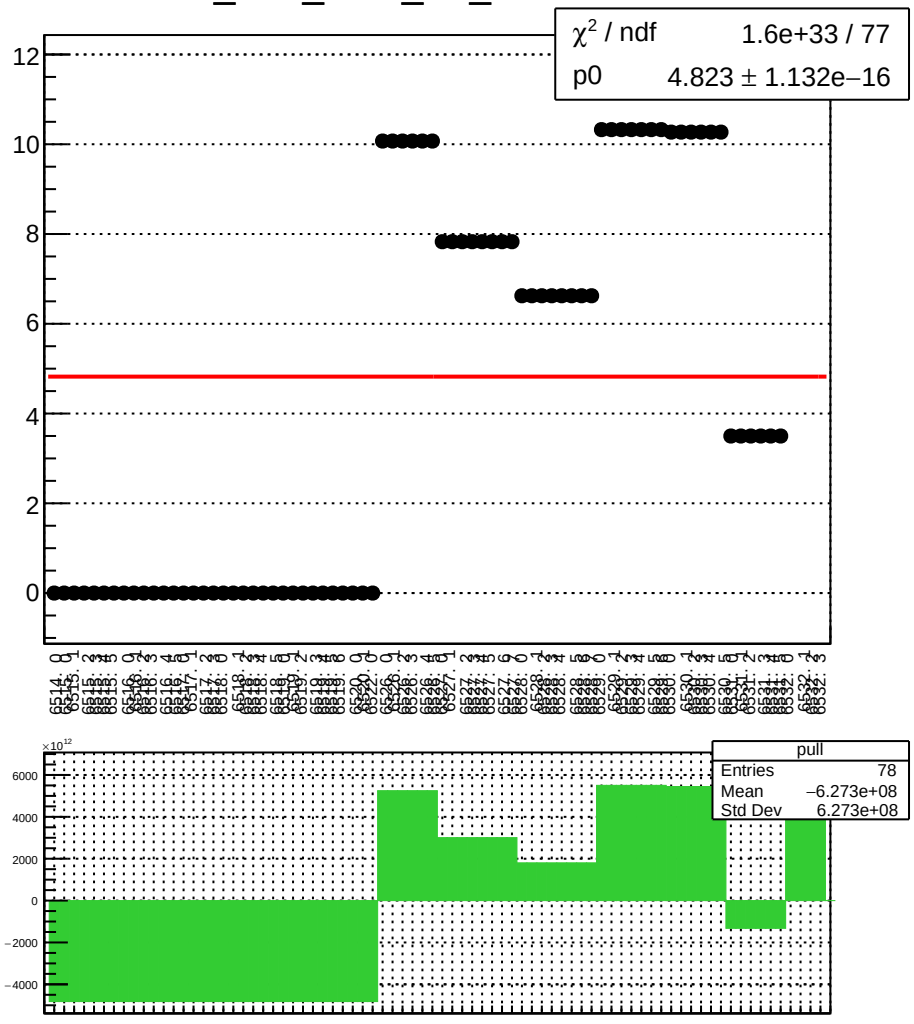


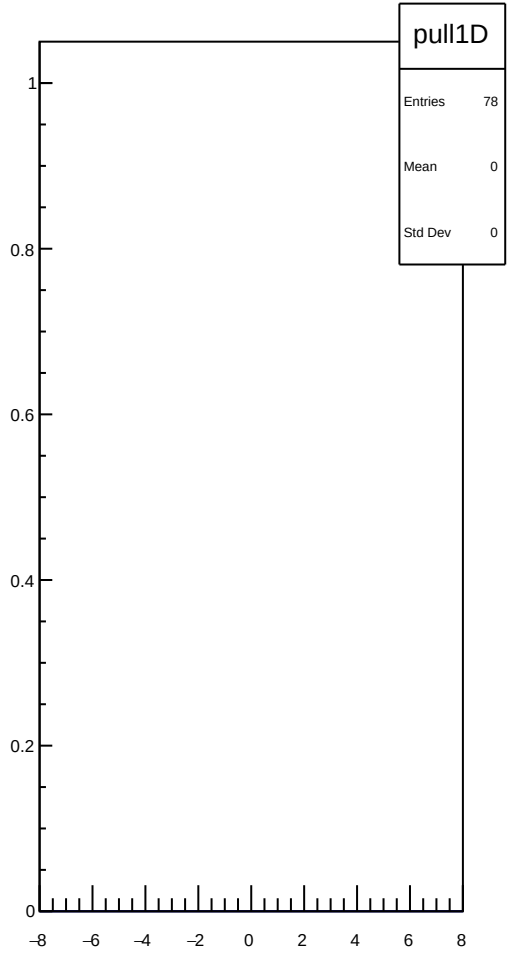



dit_4eX_coil7_mean vs run
χ^2 / ndf 1.703e+34 / 77
p0 17.15 ± 1.132e−16
pull
Entries 78
Mean 1.914e+09
Std Dev 1.914e+09

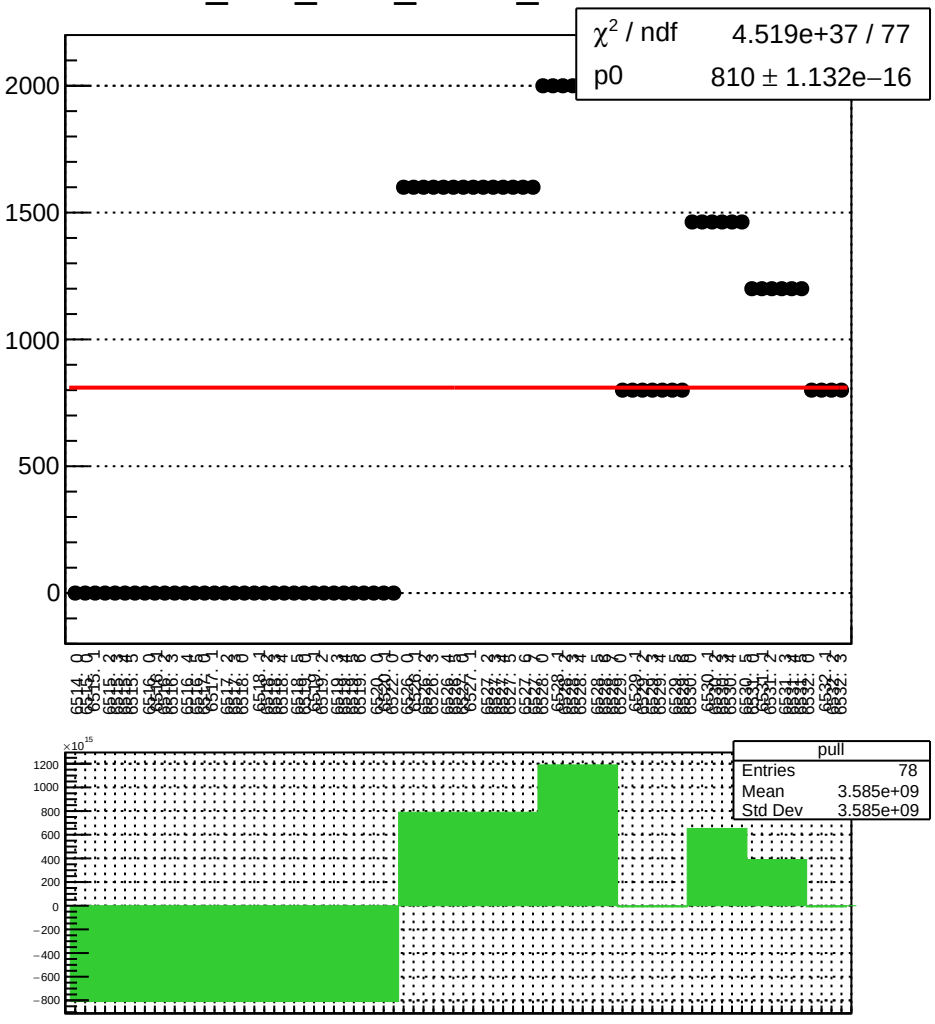

pull1D
Entries 78
Mean 0
Std Dev 0

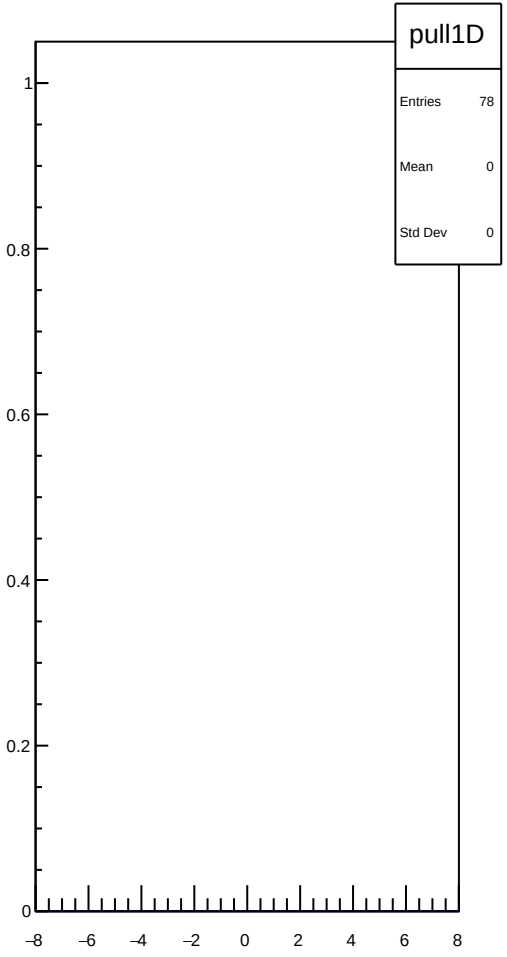
dit_4eX_coil7_err_mean vs run



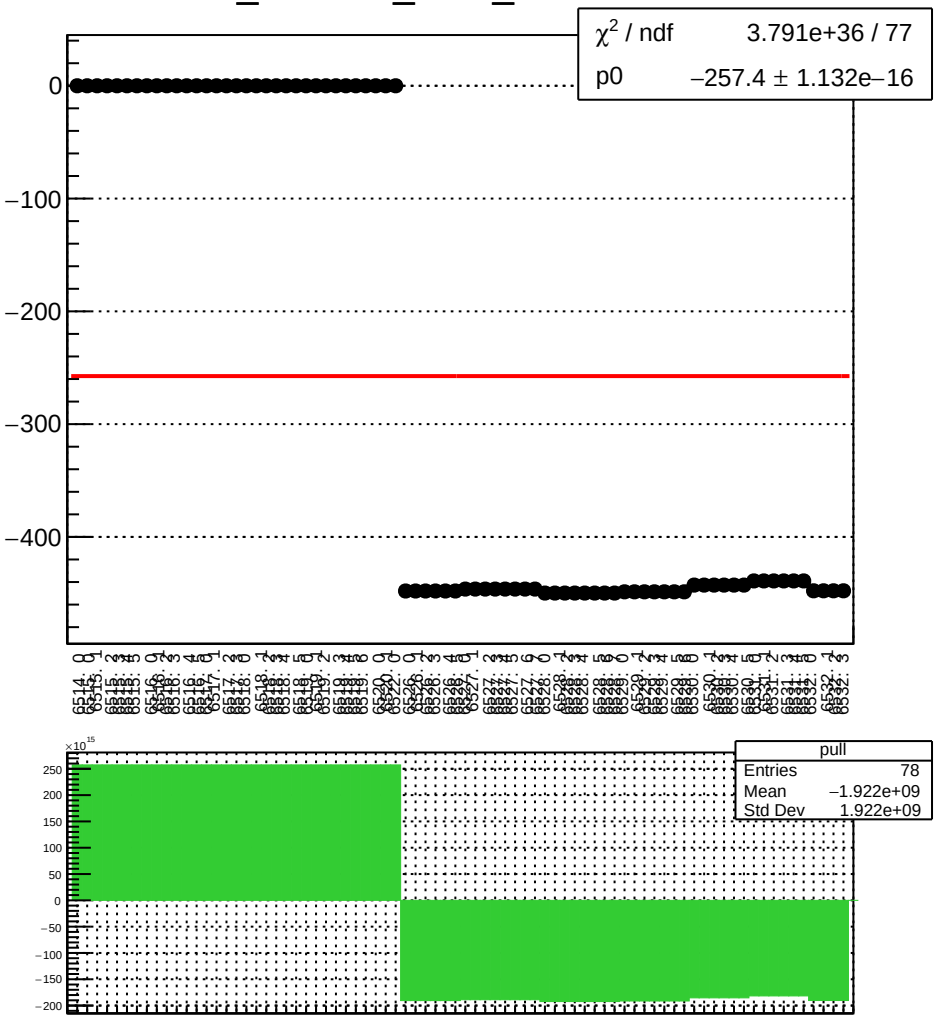


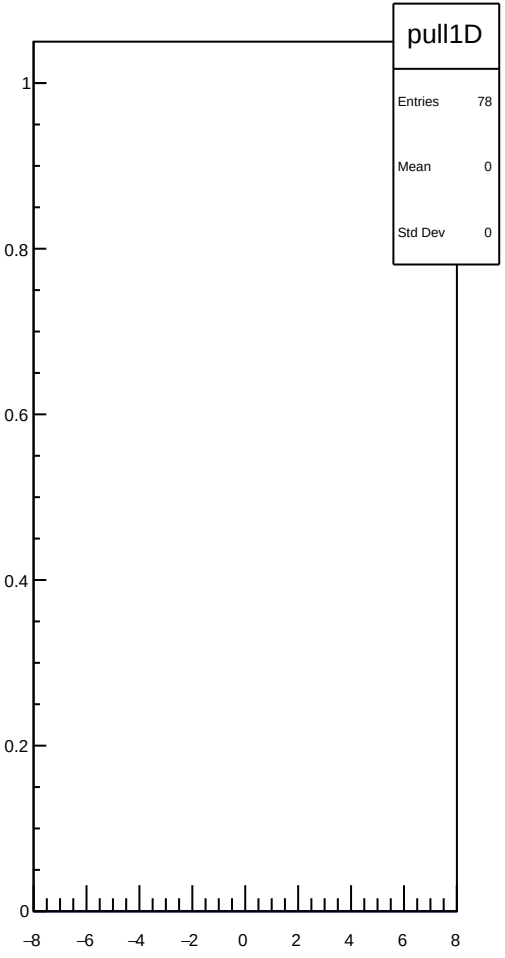
dit_4eX_coil7_Ndata_mean vs run



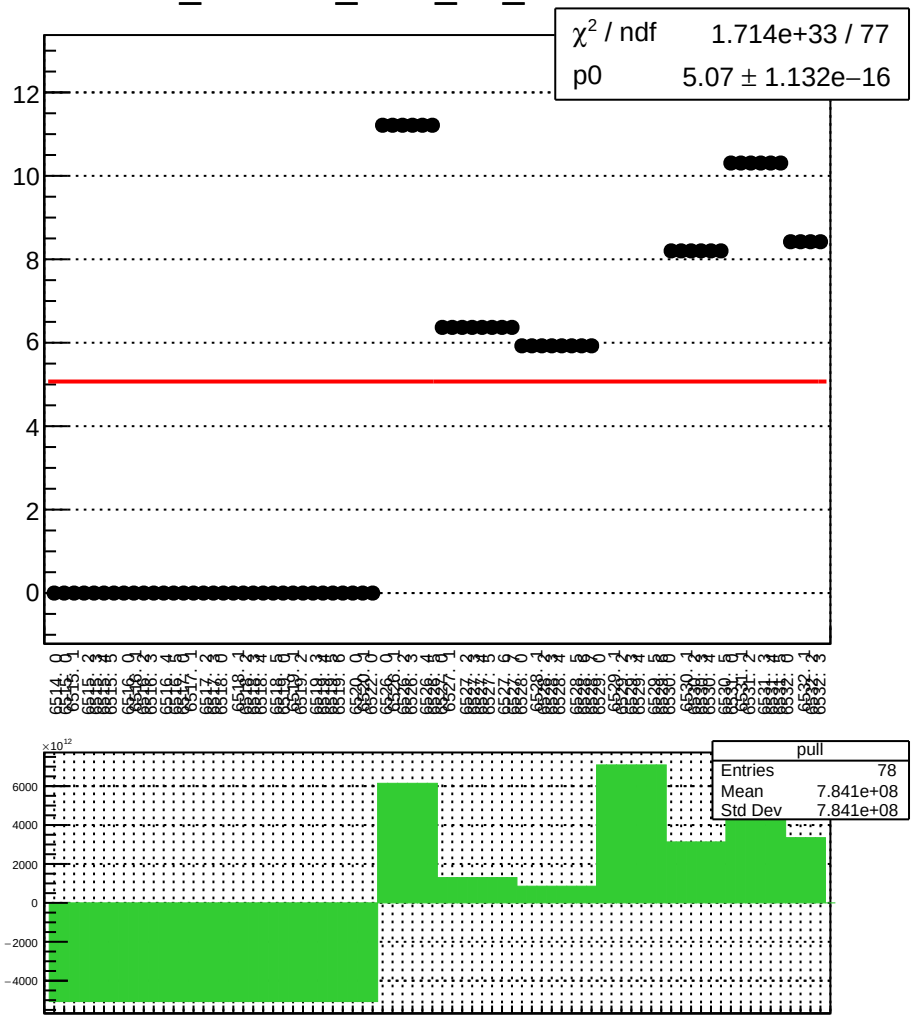


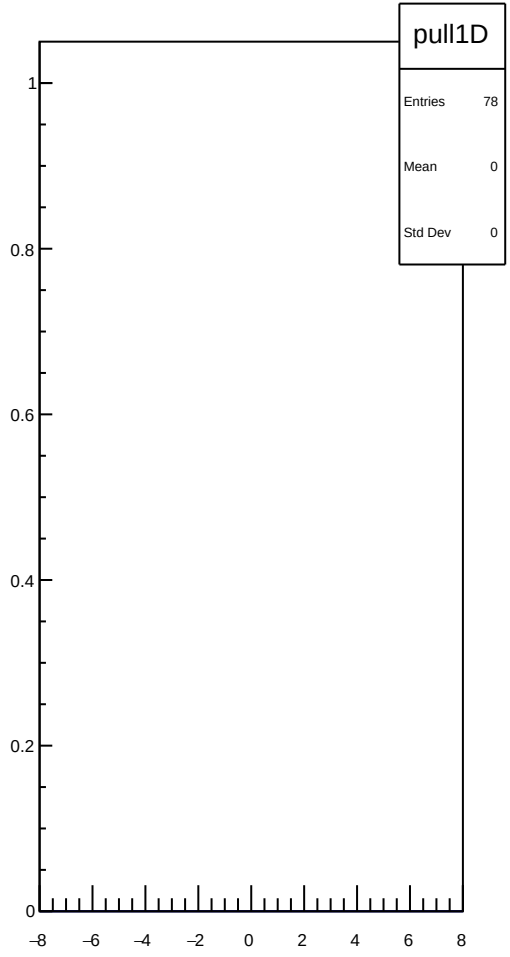
dit_11X12X_coil7_mean vs run



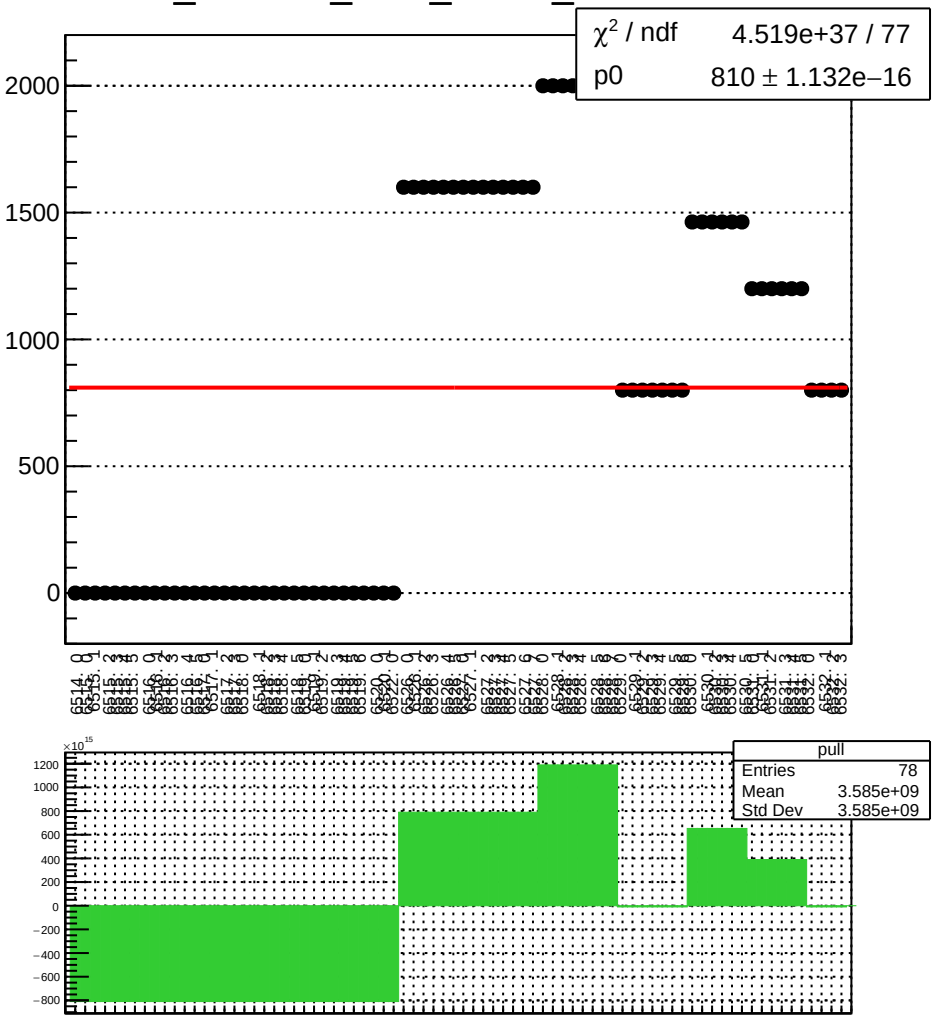


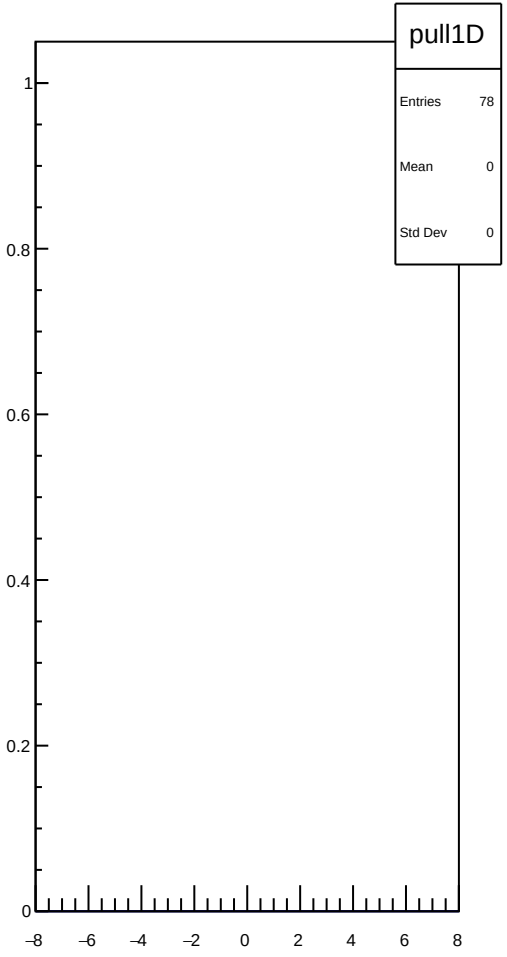
dit_11X12X_coil7_err_mean vs run

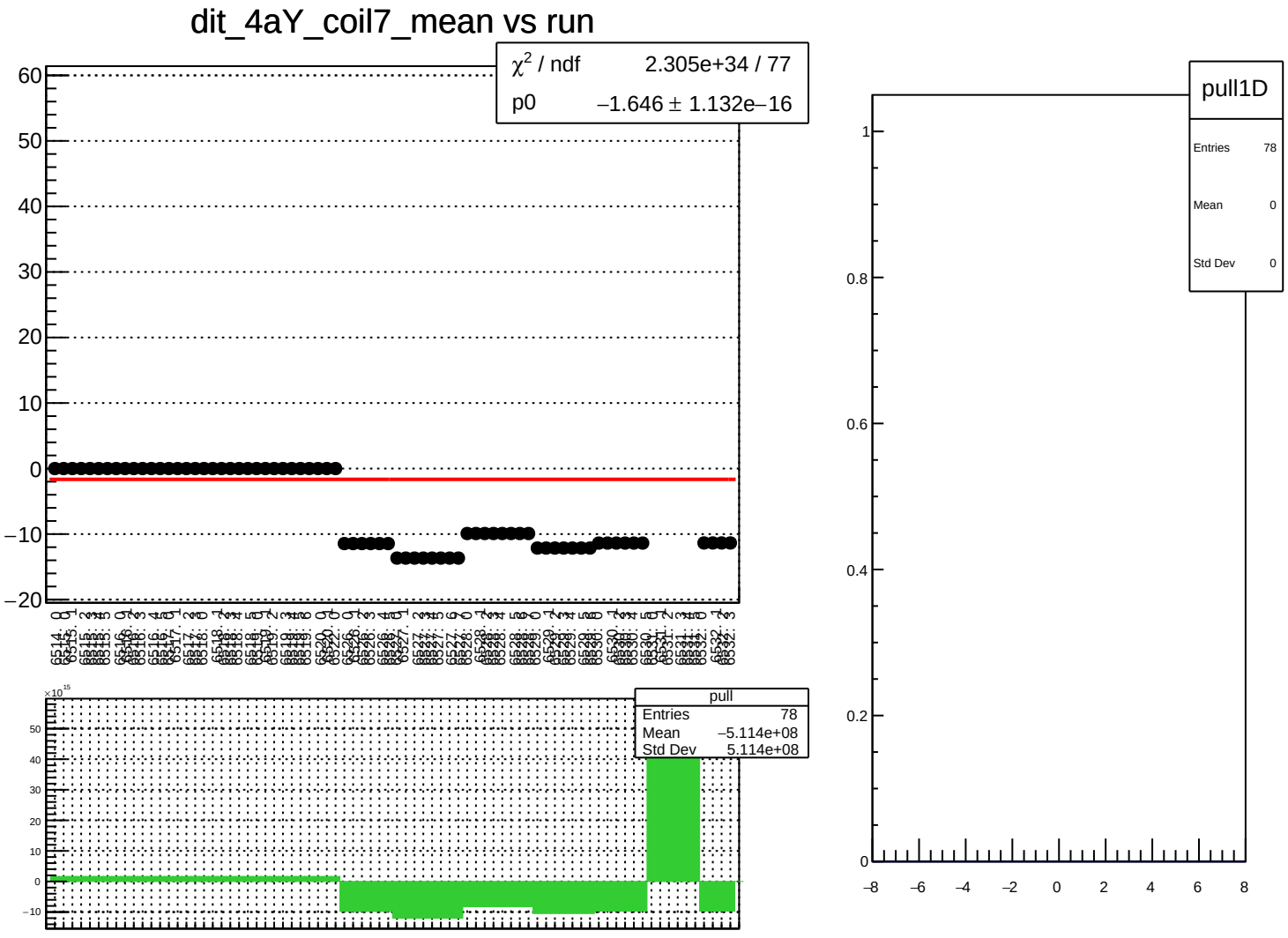




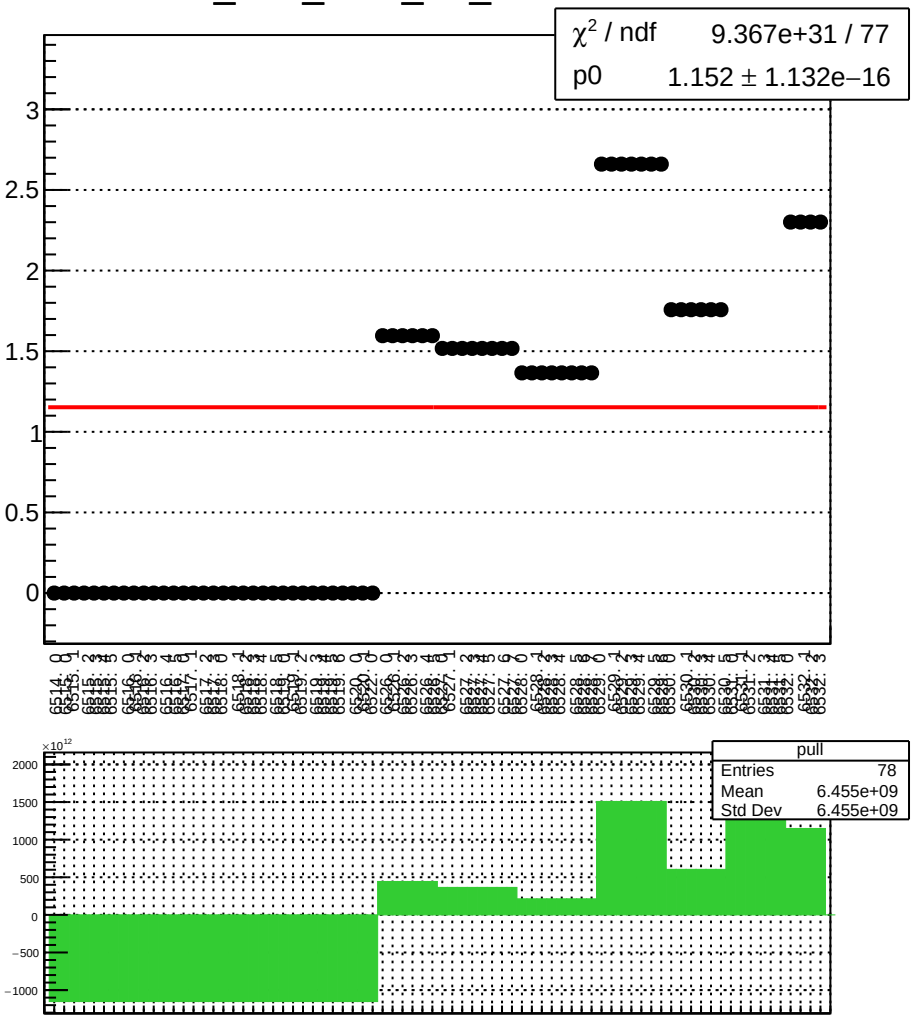
dit_11X12X_coil7_Ndata_mean vs run

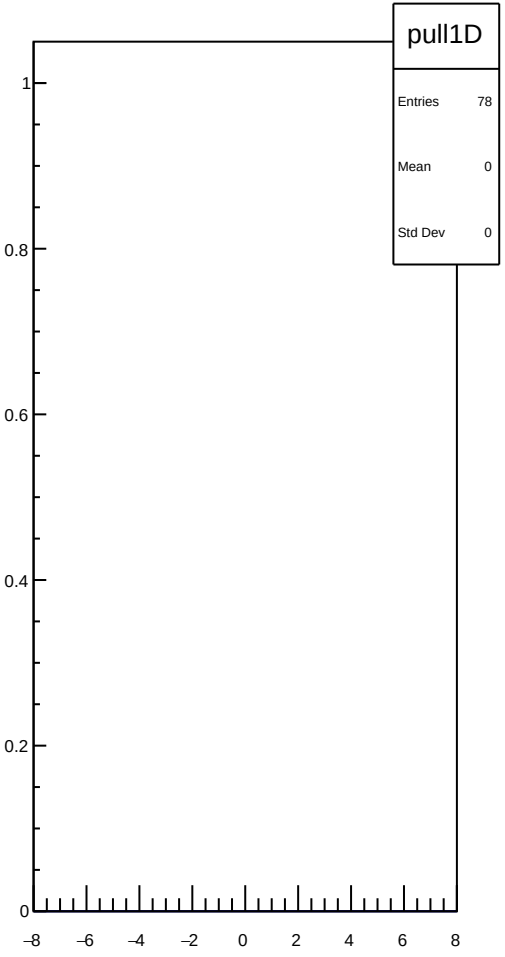




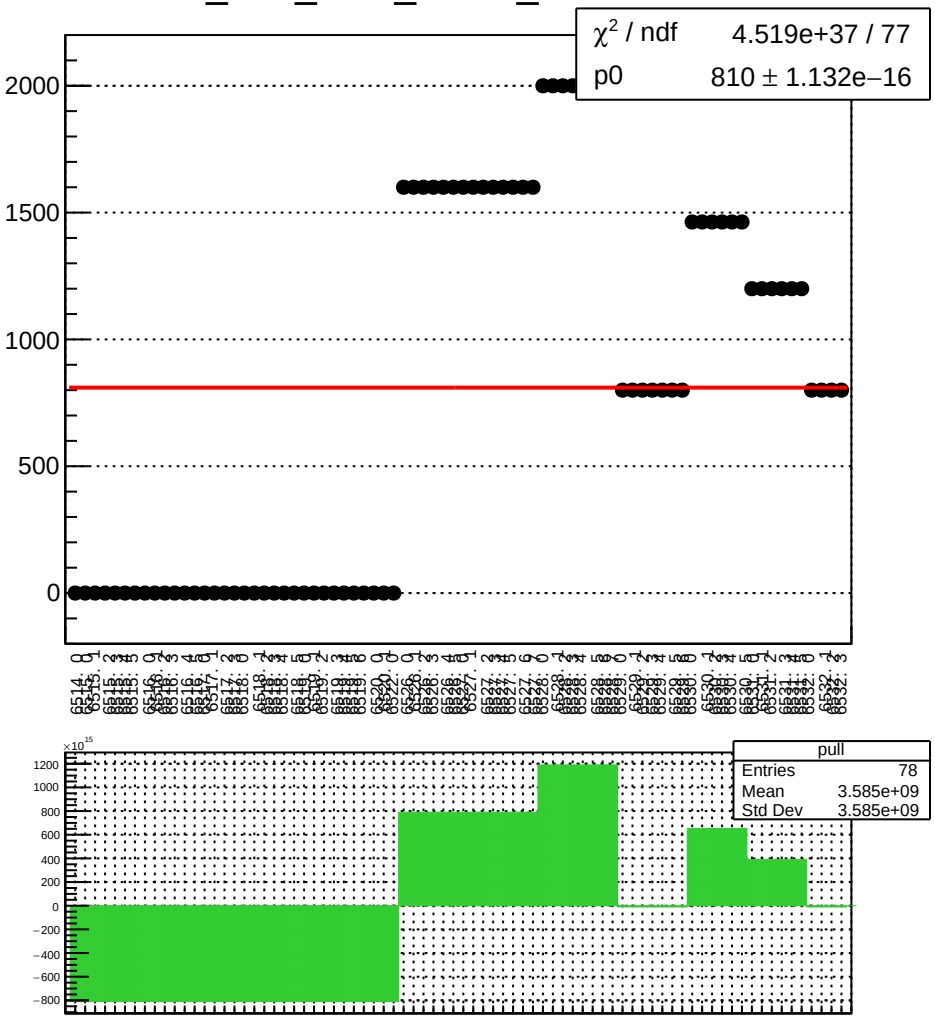

dit_4aY_coil7_mean vs run
χ² / ndf 2.305e+34 / 77
p0 −1.646 ± 1.132e−16
pull
Entries 78
Mean −5.114e+08
Std Dev 5.114e+08
pull1D
Entries 78
Mean 0
Std Dev 0

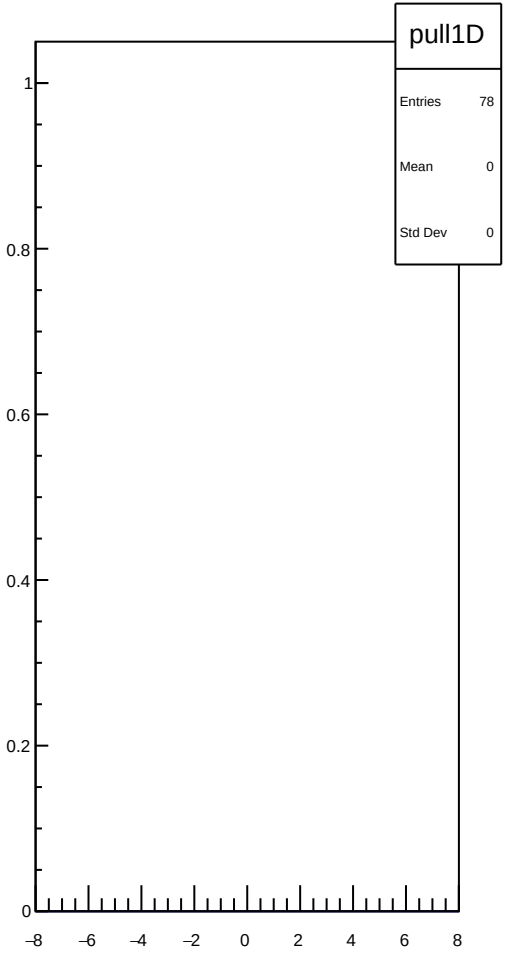
dit_4aY_coil7_err_mean vs run

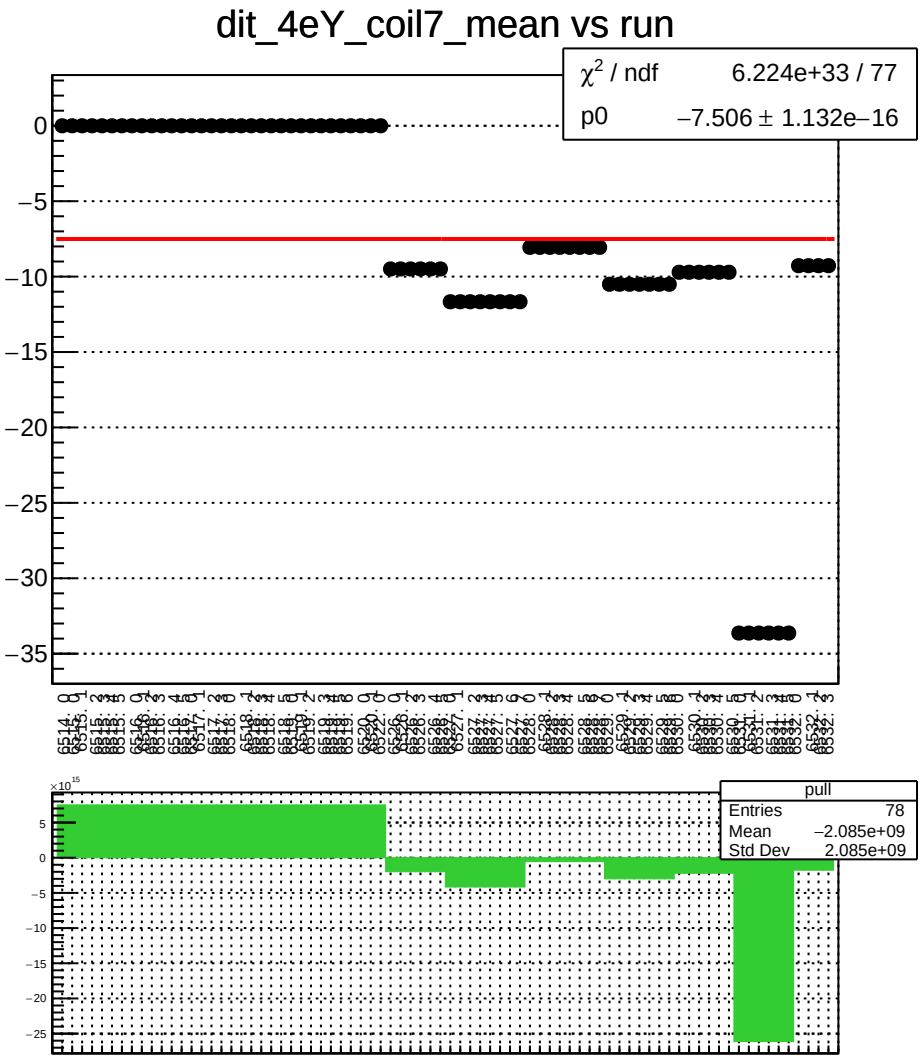


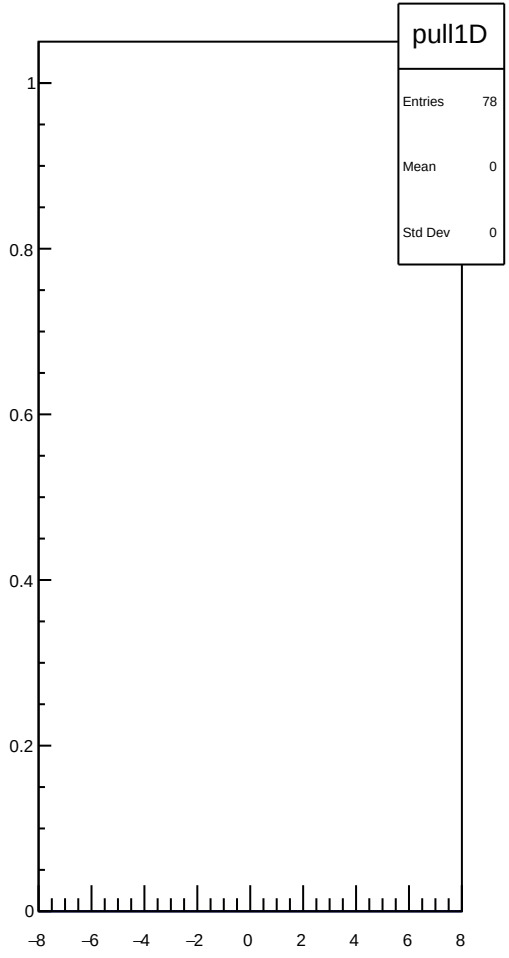


dit_4aY_coil7_Ndata_mean vs run

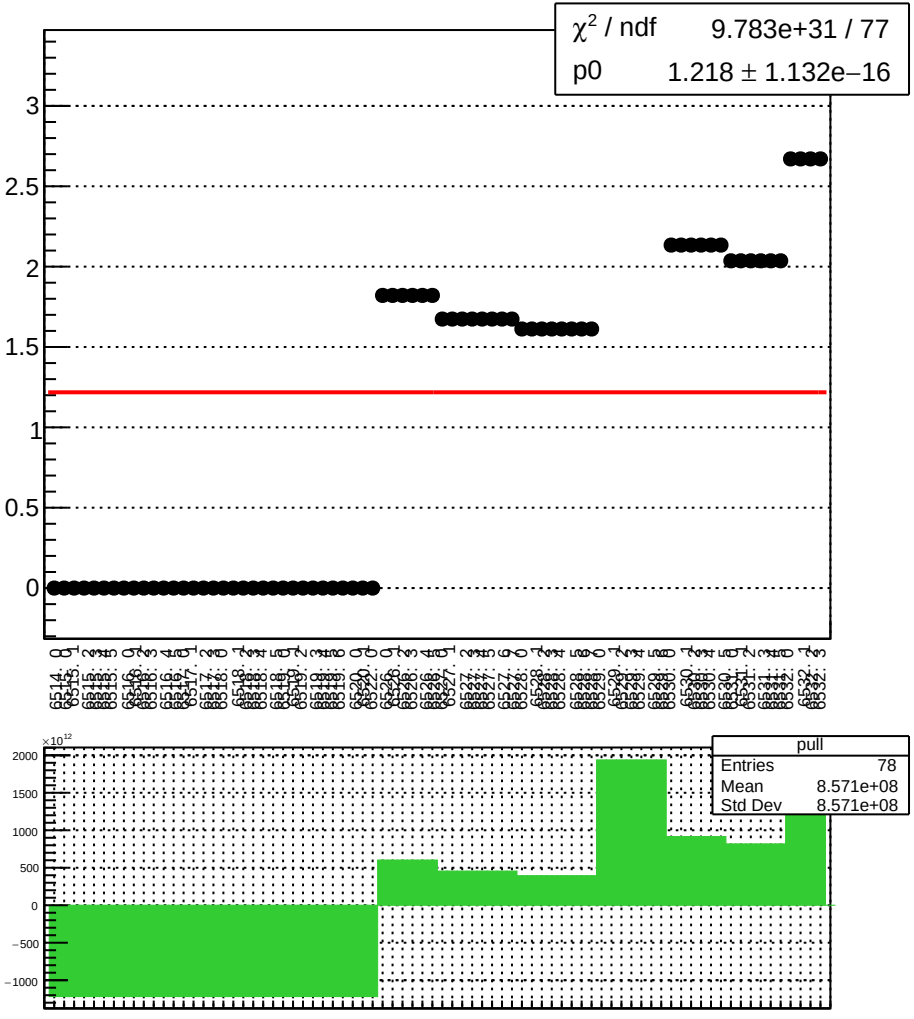


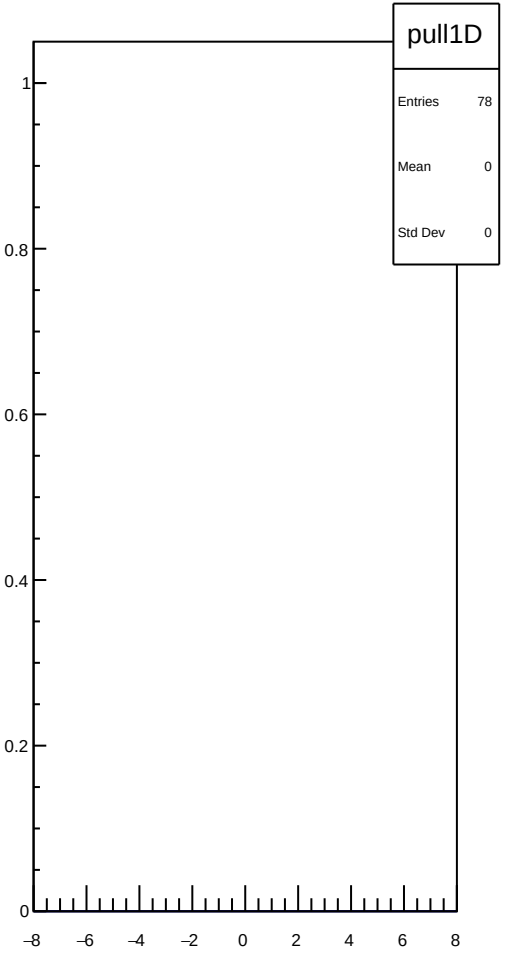


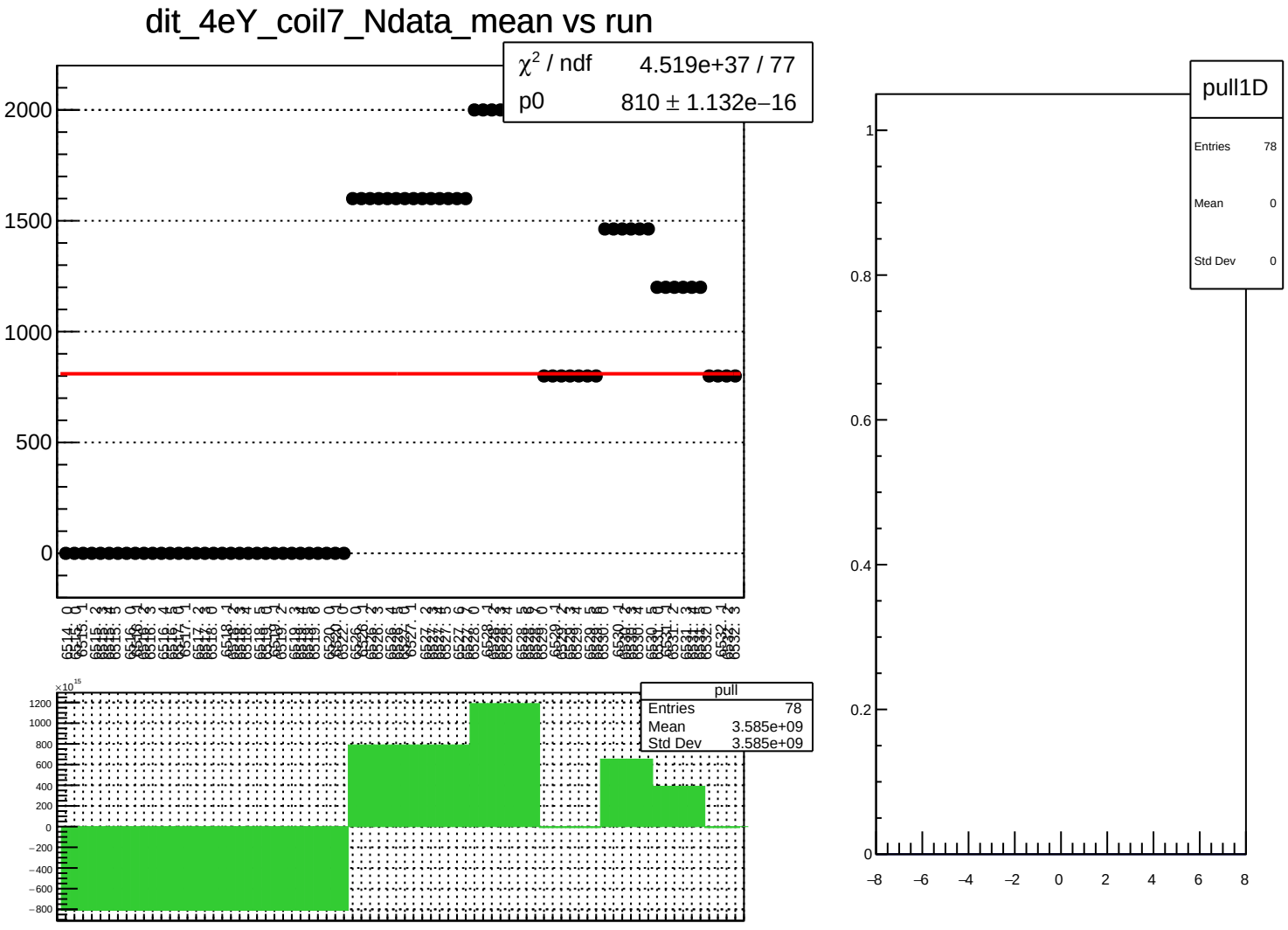

dit_4eY_coil7_mean vs run
χ² / ndf 6.224e+33 / 77
p0 −7.506 ± 1.132e−16
pull
Entries 78
Mean −2.085e+09
Std Dev 2.085e+09

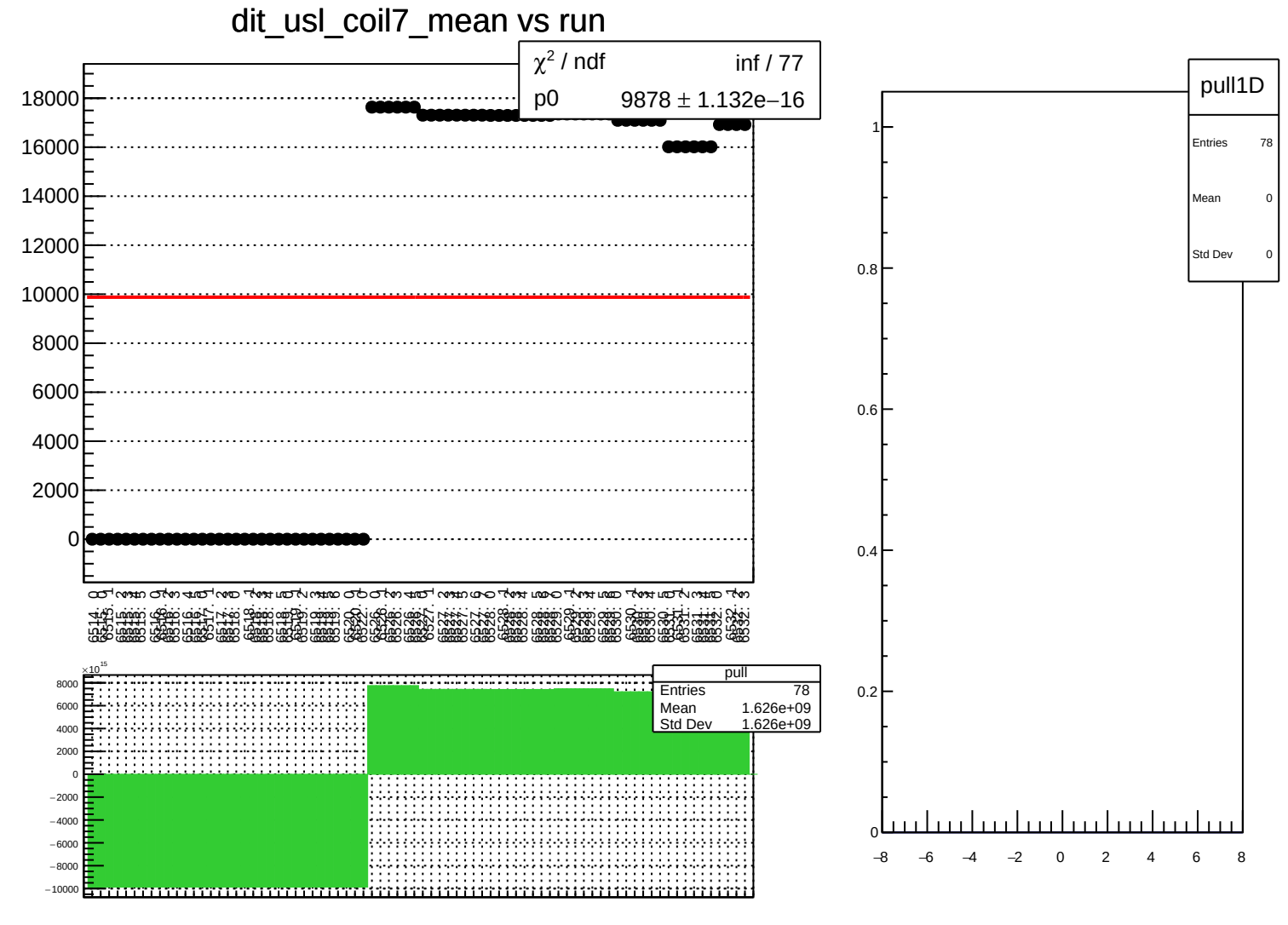

pull1D
Entries 78
Mean 0
Std Dev 0

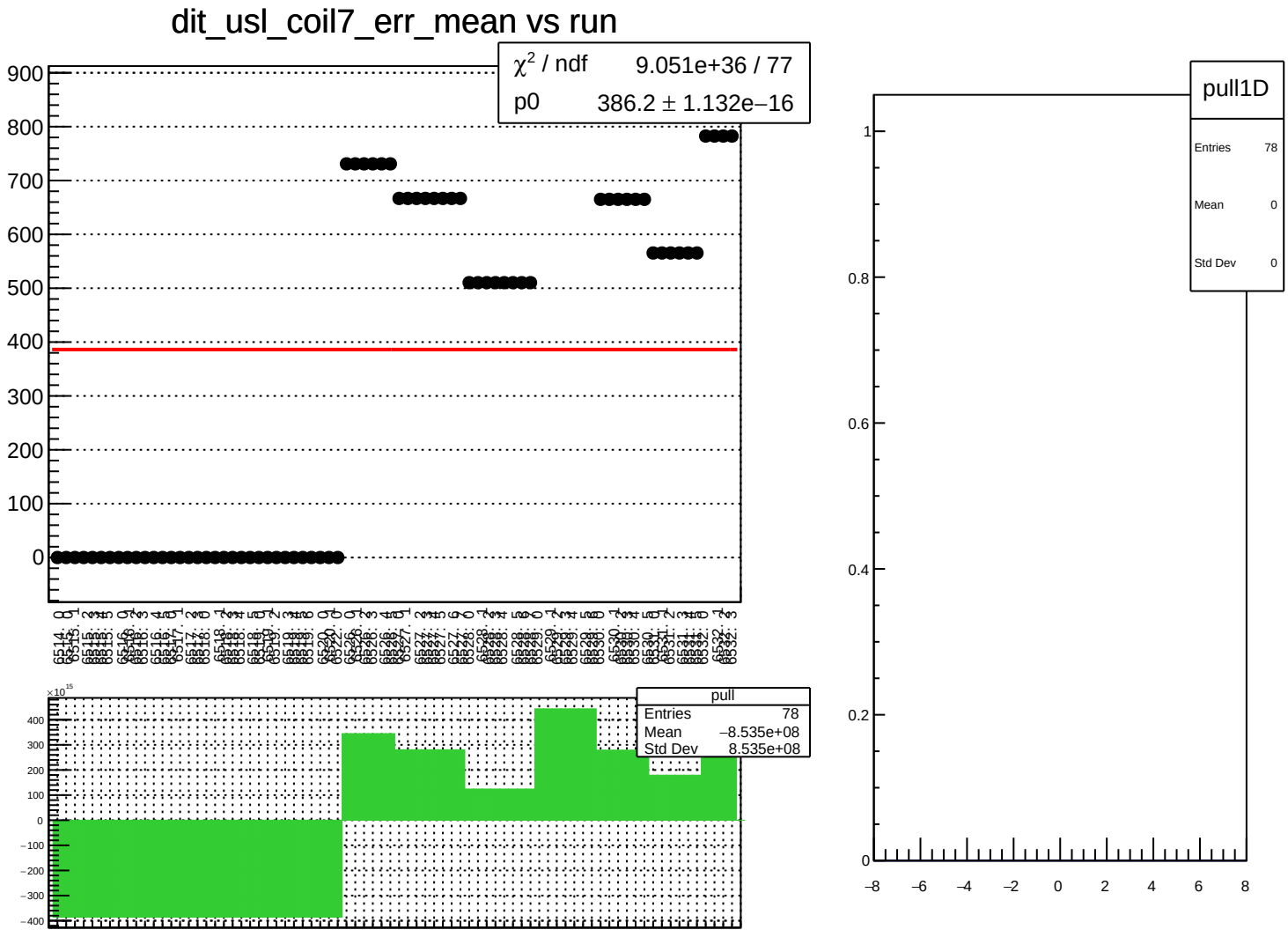
dit_4eY_coil7_err_mean vs run

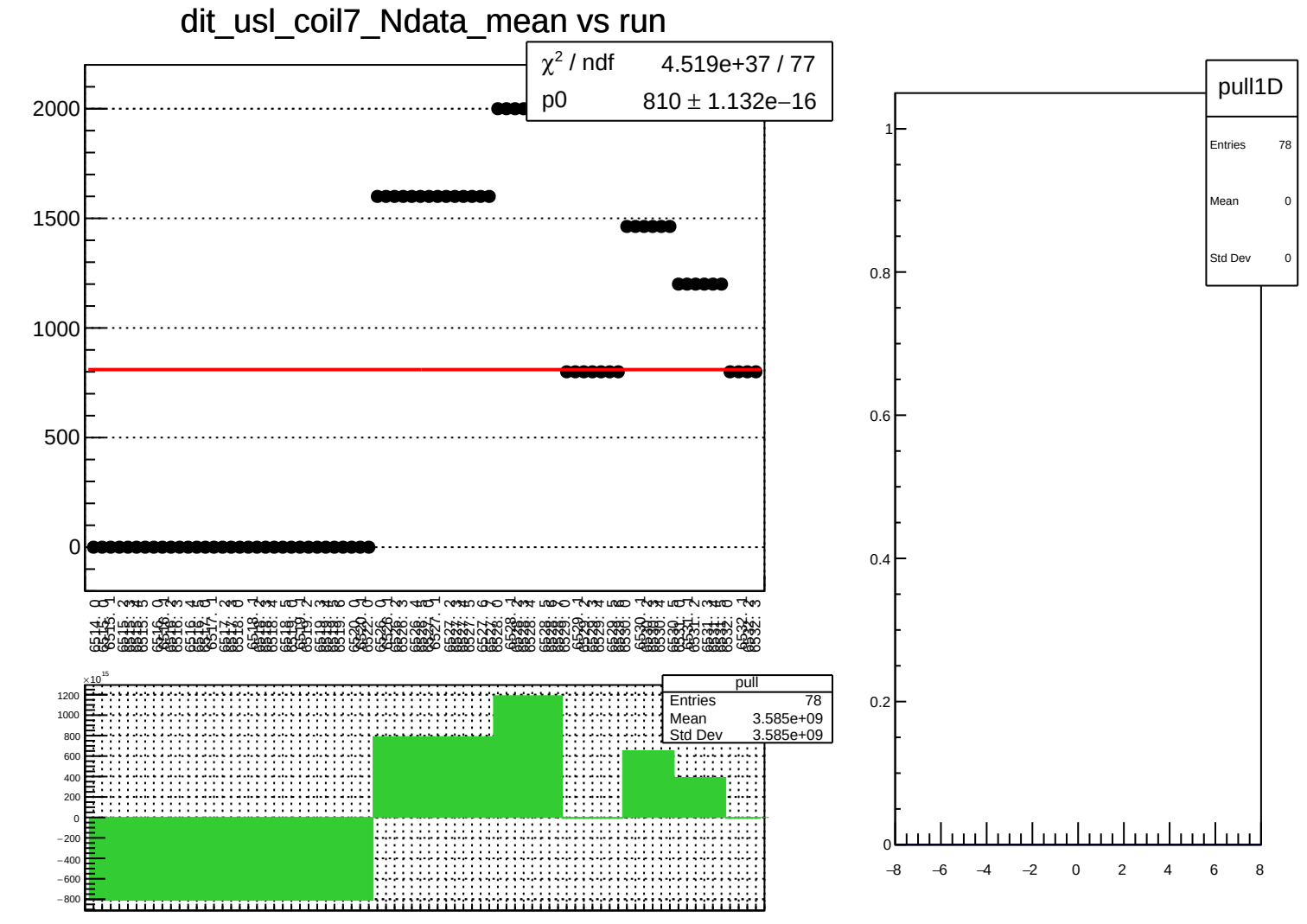


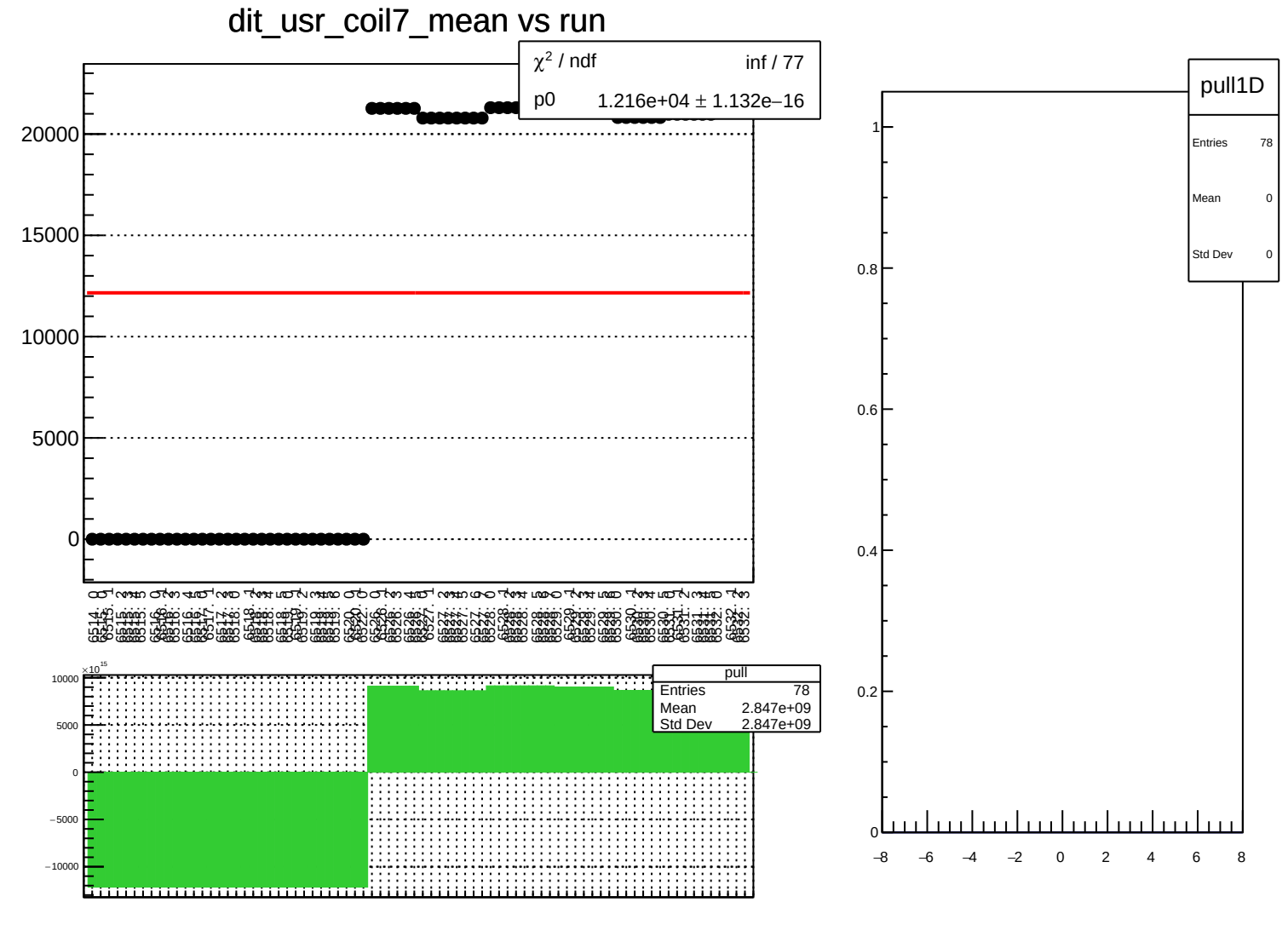


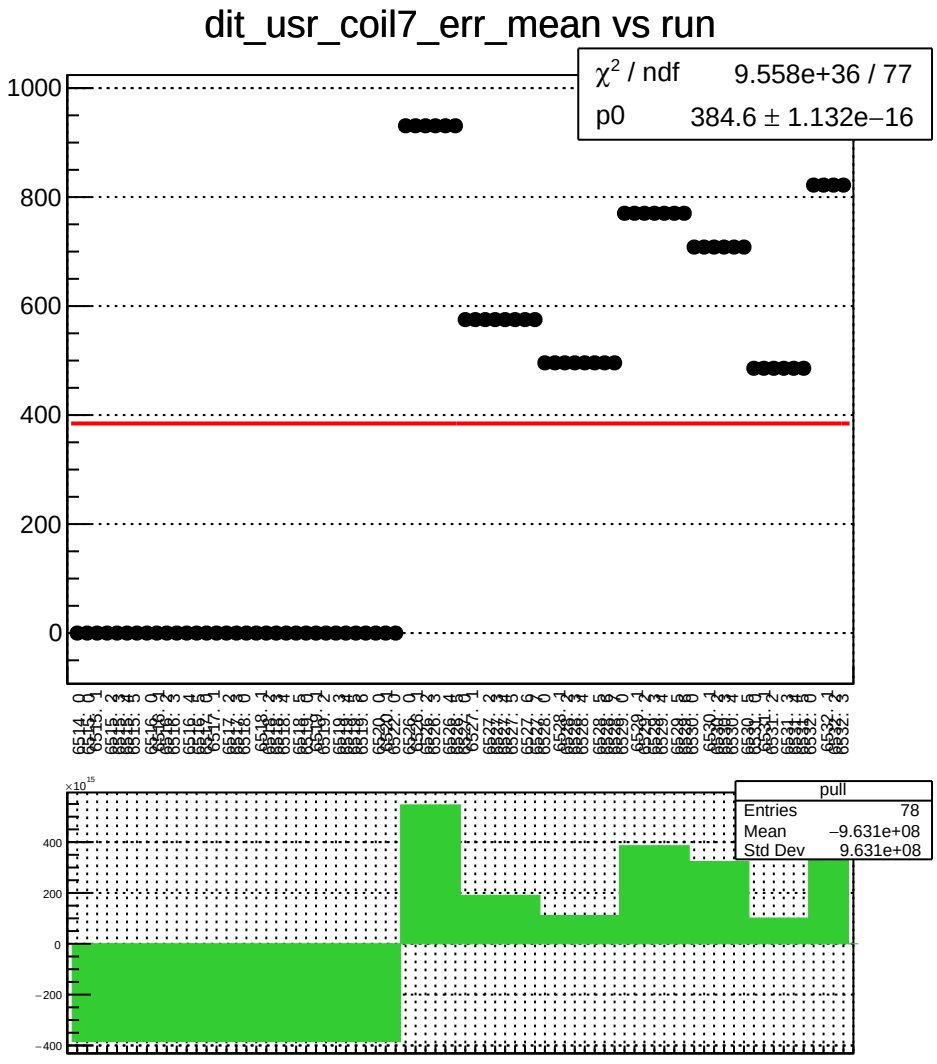

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

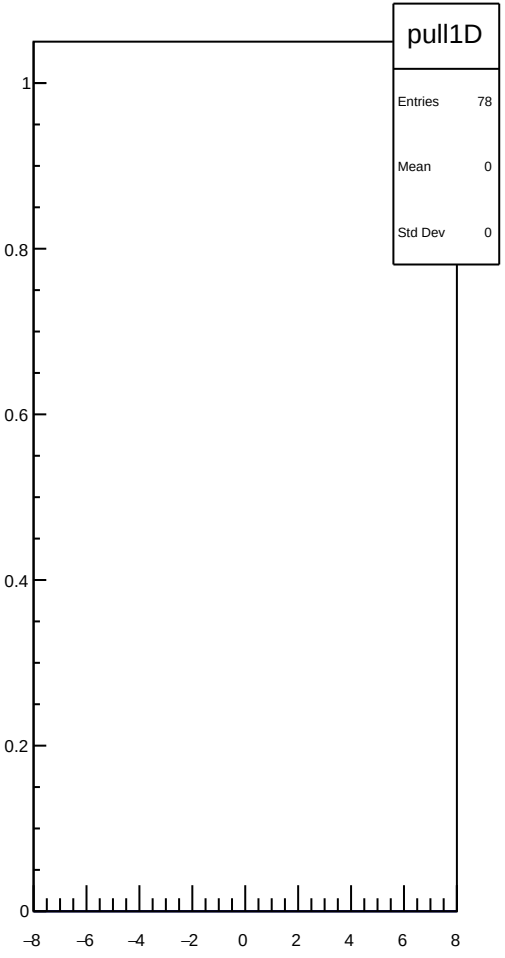

dit_usl_coil7_mean vs run
χ² / ndf inf / 77
p0 9878 ± 1.132e−16
pull
Entries 78
Mean 1.626e+09
Std Dev 1.626e+09
pull1D
Entries 78
Mean 0
Std Dev 0


dit_usl_coil7_err_mean vs run
χ² / ndf 9.051e+36 / 77
p0 386.2 ± 1.132e−16
pull
Entries 78
Mean −8.535e+08
Std Dev 8.535e+08
pull1D
Entries 78
Mean 0
Std Dev 0

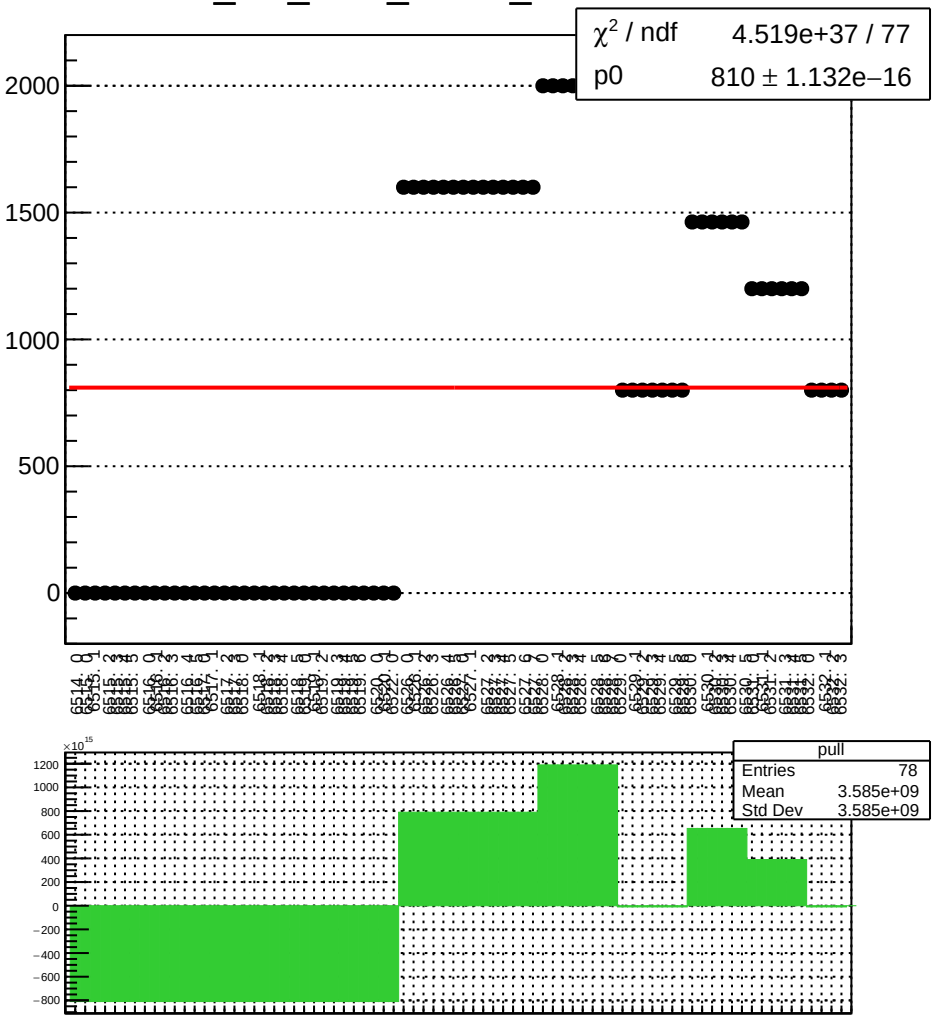

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

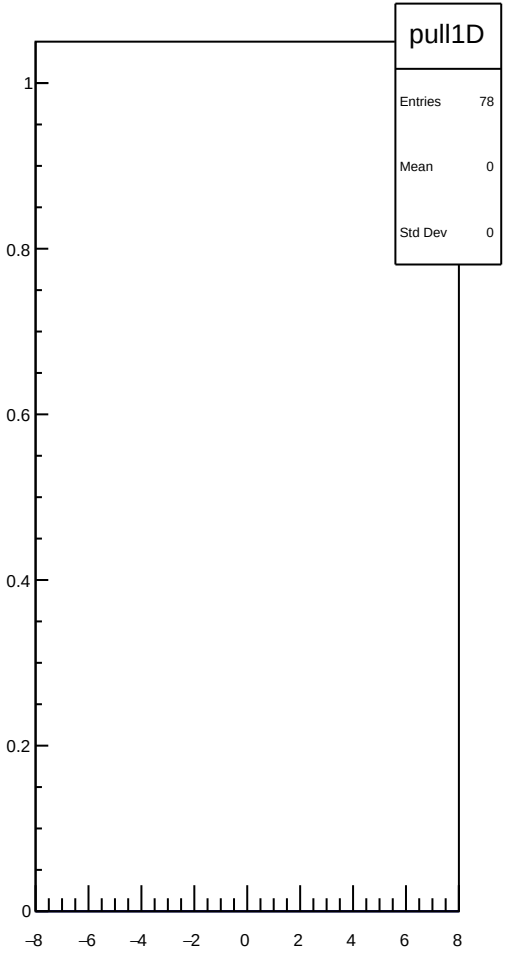

dit_usr_coil7_mean vs run
χ² / ndf inf / 77
p0 1.216e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.847e+09
Std Dev 2.847e+09
10000
5000
0
−5000
−10000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

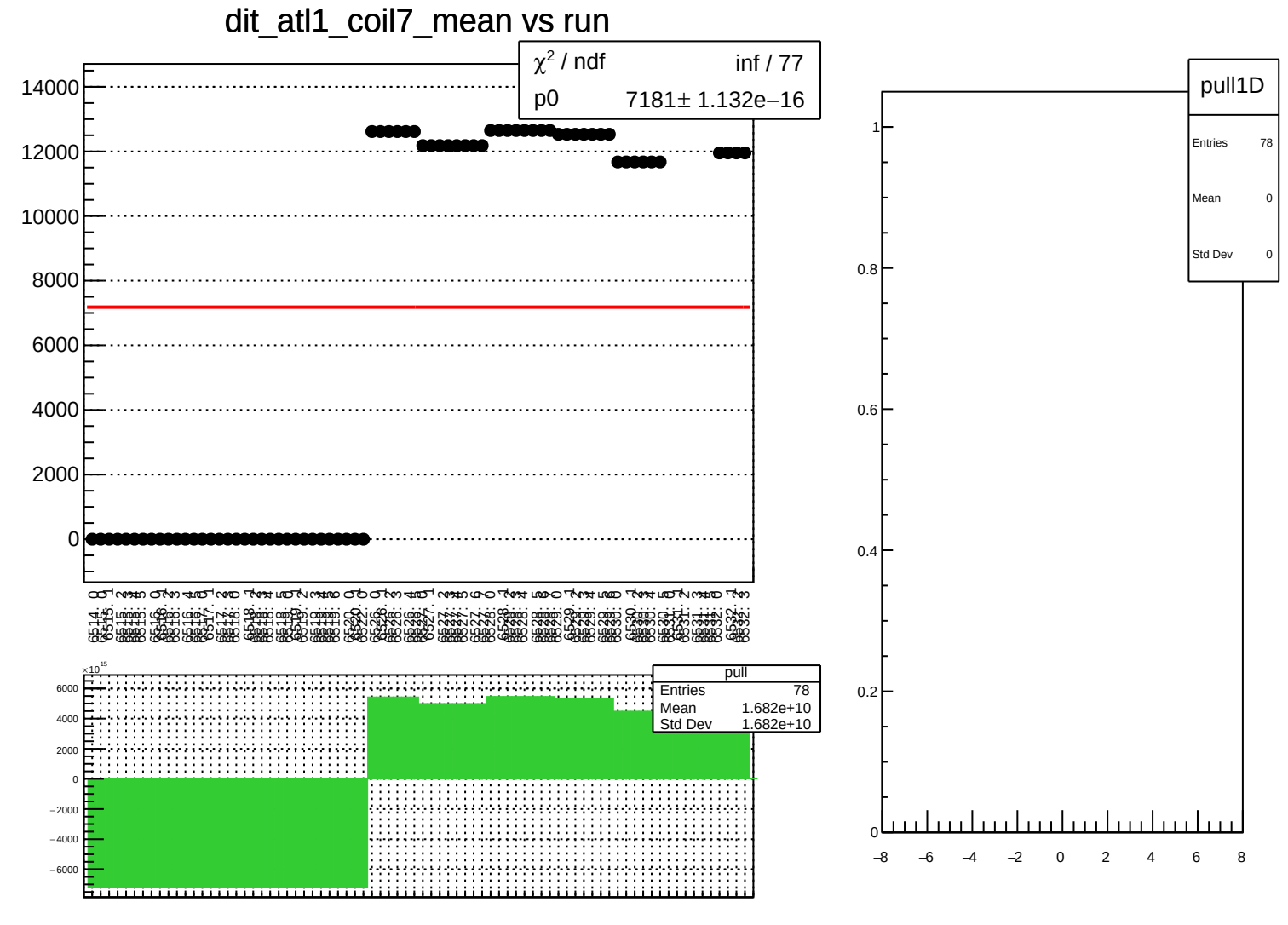

dit_usr_coil7_err_mean vs run
χ^2 / ndf 9.558e+36 / 77
p0 384.6 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −9.631e+08
Std Dev 9.631e+08
$\times 10^{15}$
400
200
0
−200
−400

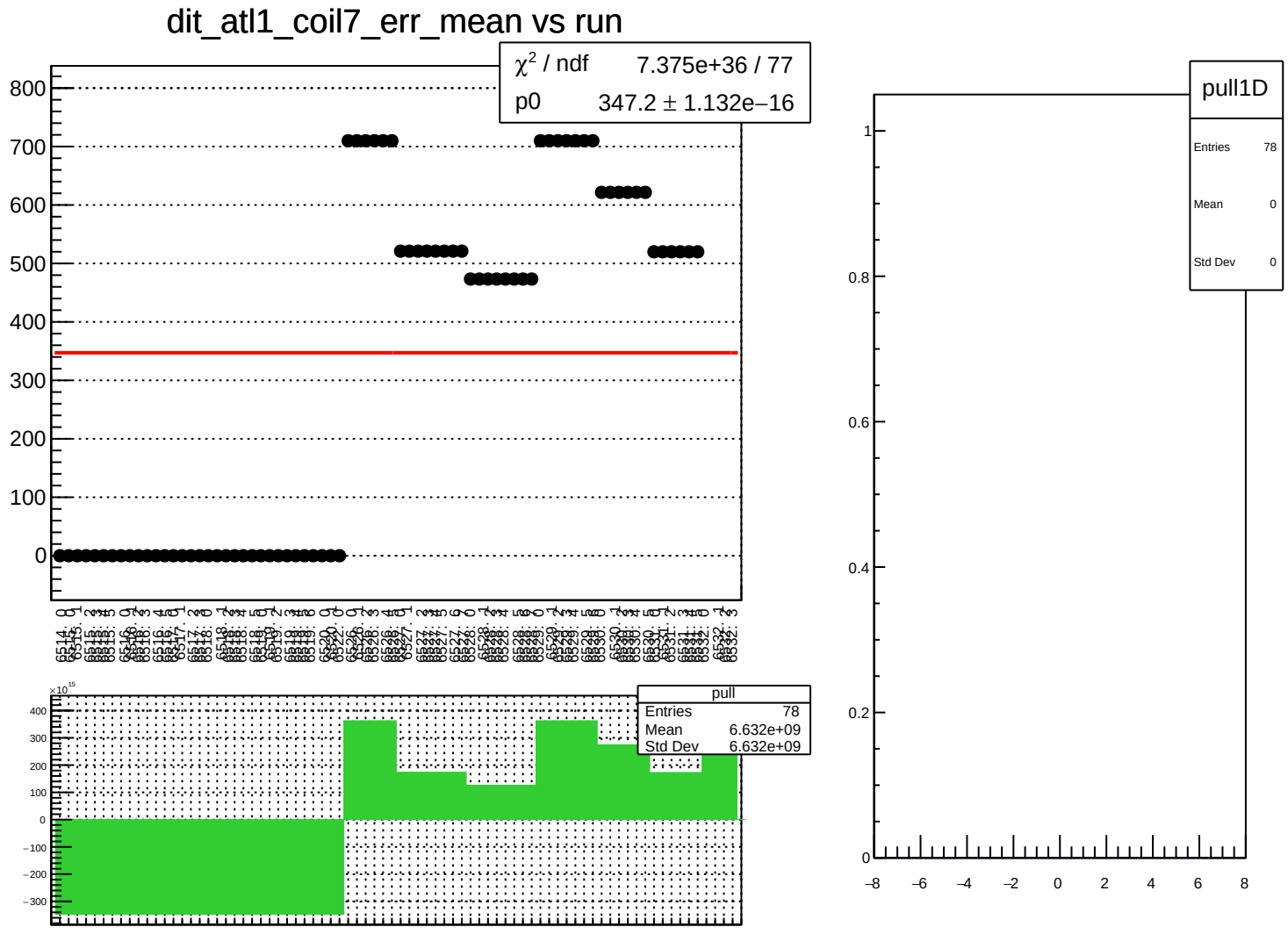

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_Ndata_mean vs run

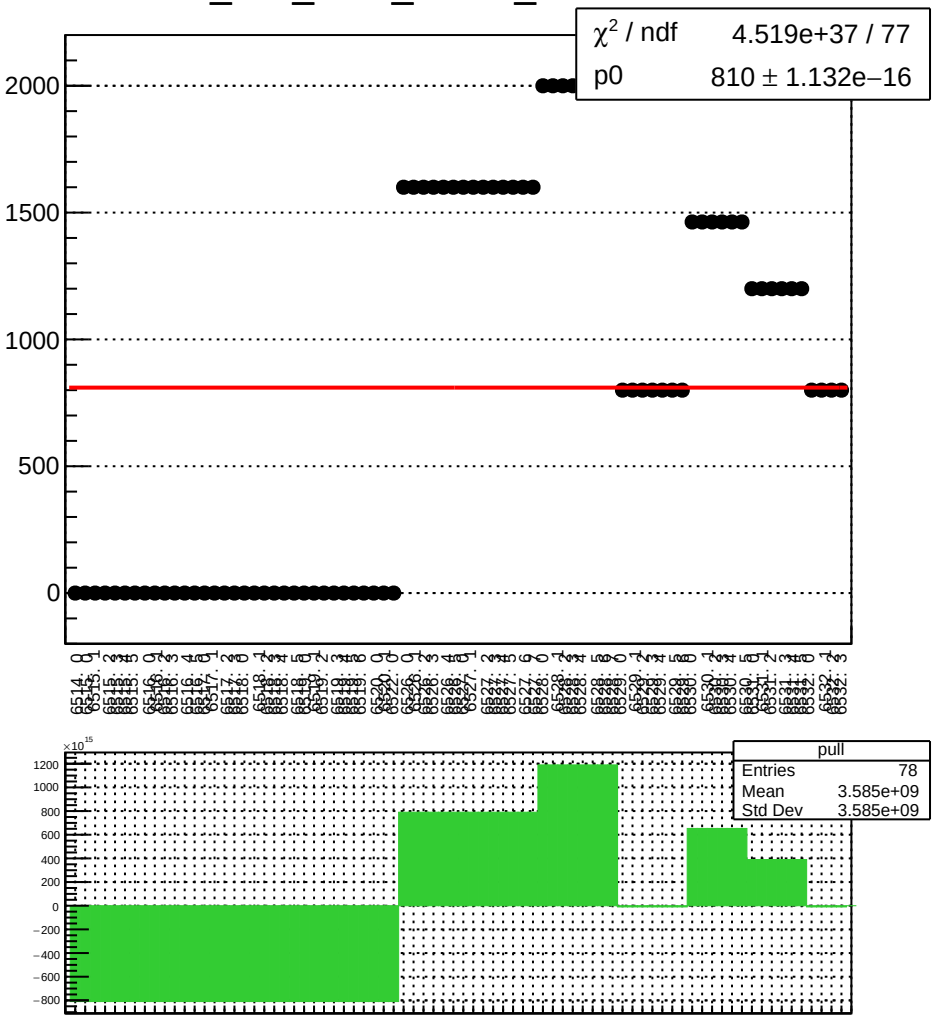


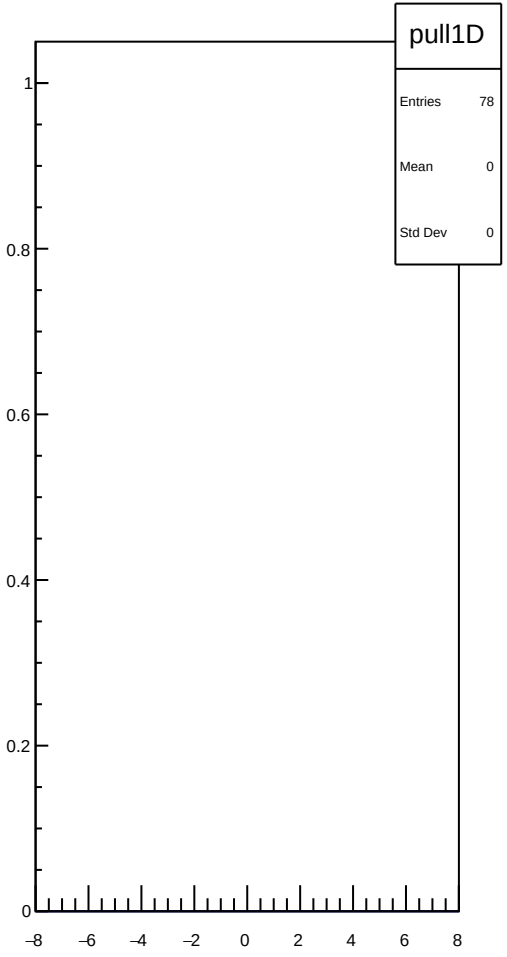


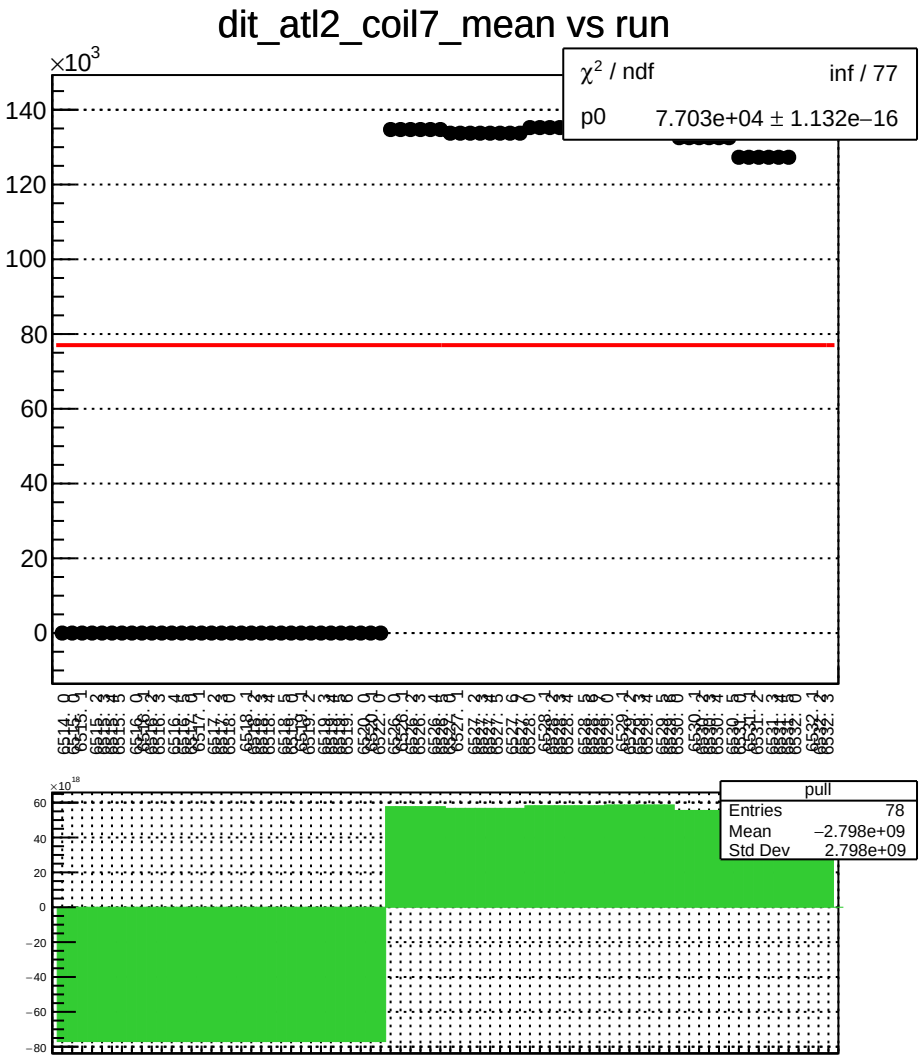

dit_atl1_coil7_mean vs run
χ² / ndf inf / 77
p0 7181± 1.132e−16
pull
Entries 78
Mean 1.682e+10
Std Dev 1.682e+10
pull1D
Entries 78
Mean 0
Std Dev 0

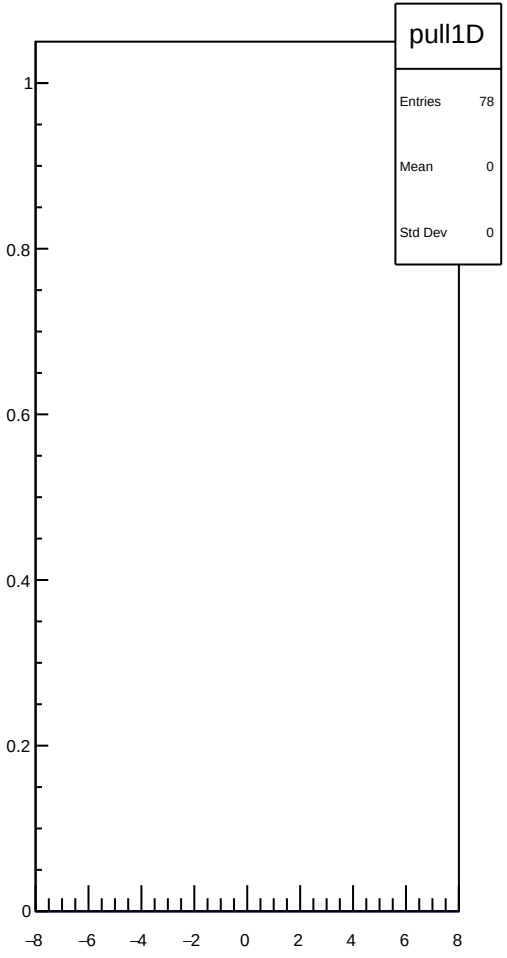

dit_atl1_coil7_err_mean vs run
χ^2 / ndf 7.375e+36 / 77
p0 347.2 ± 1.132e−16
pull
Entries 78
Mean 6.632e+09
Std Dev 6.632e+09
pull1D
Entries 78
Mean 0
Std Dev 0

dit_atl1_coil7_Ndata_mean vs run

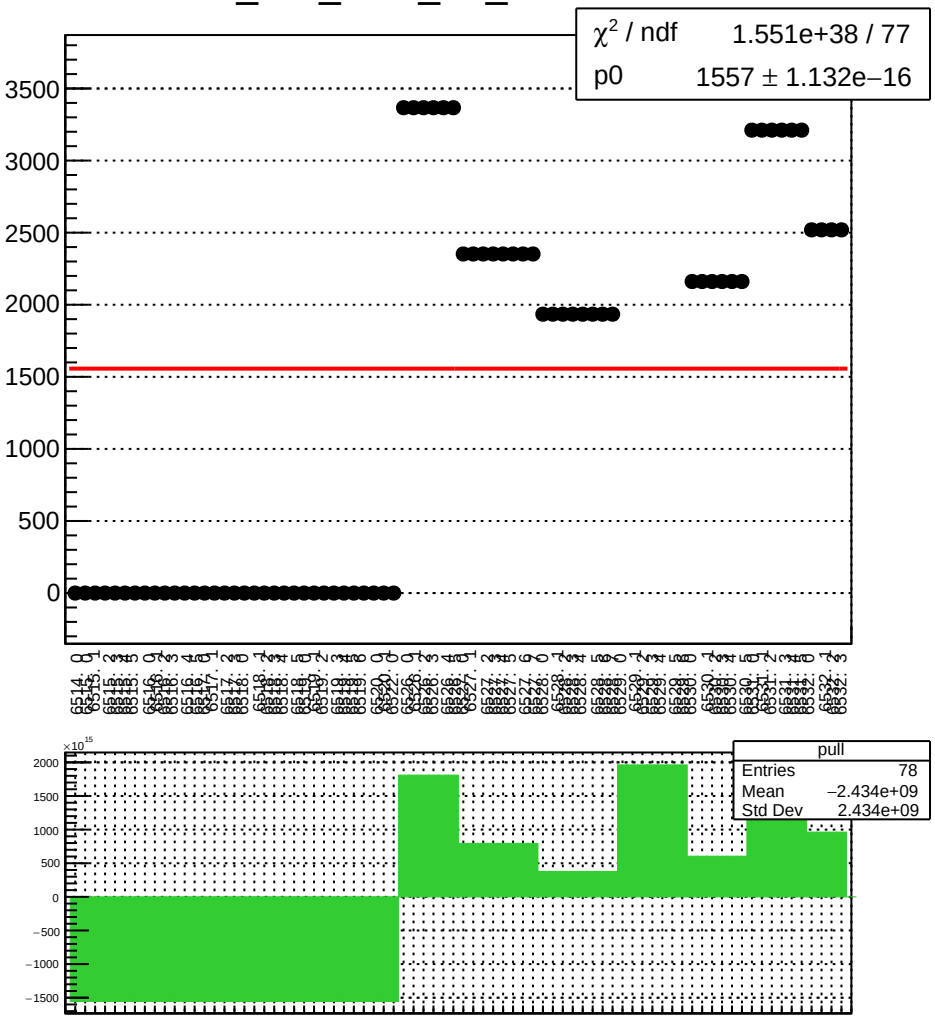


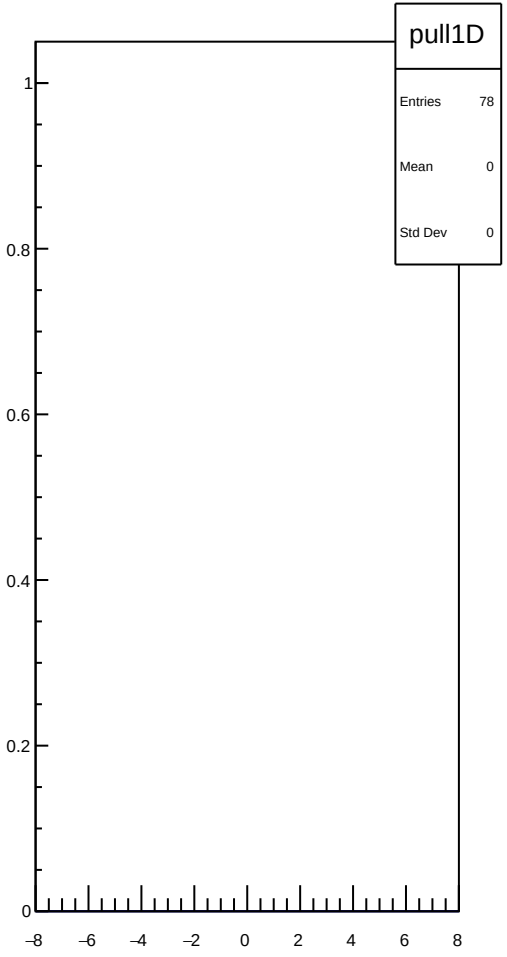



dit_atl2_coil7_mean vs run
χ^2 / ndf inf / 77
p0 7.703e+04 ± 1.132e−16
×10^3
140
120
100
80
60
40
20
0
pull
Entries 78
Mean −2.798e+09
Std Dev 2.798e+09
×10^18
60
40
20
0
−20
−40
−60
−80

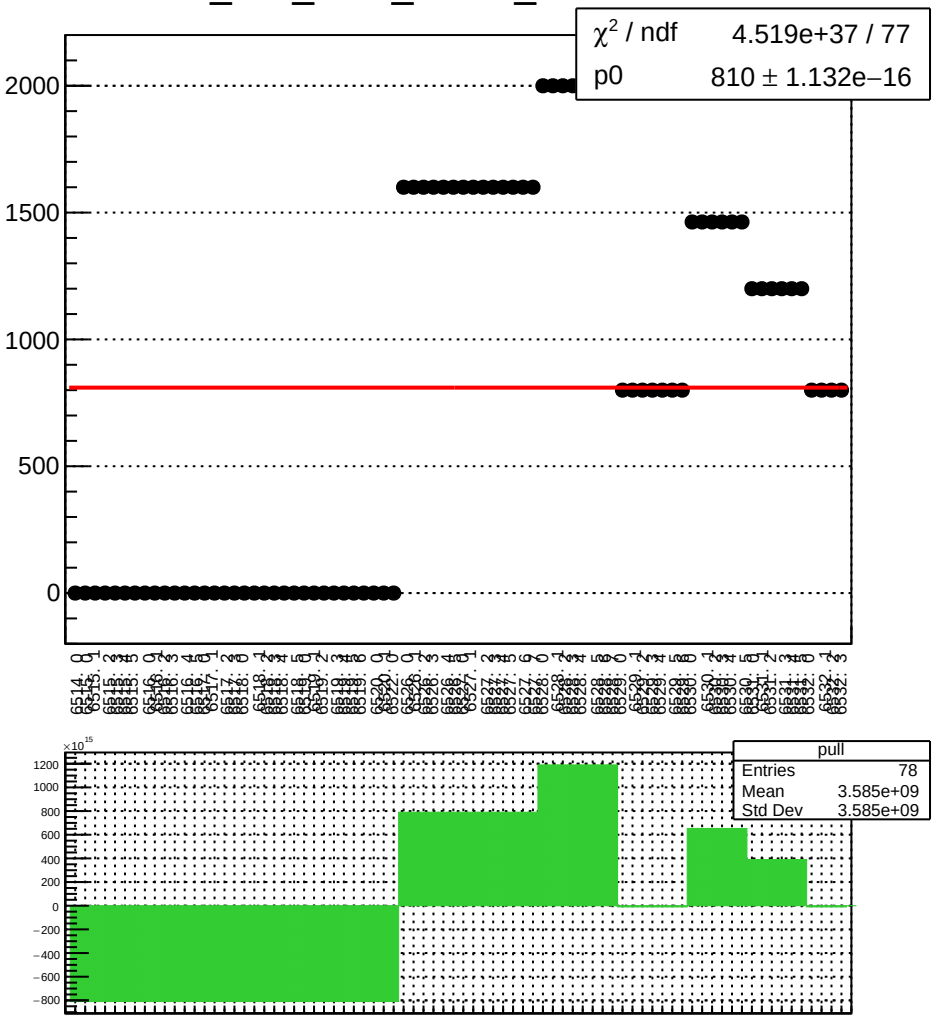

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

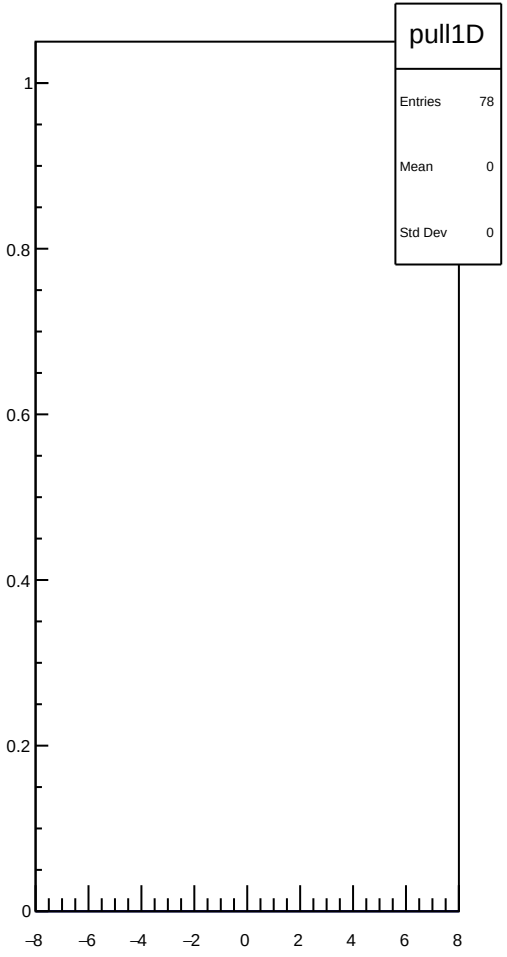
dit_atl2_coil7_err_mean vs run

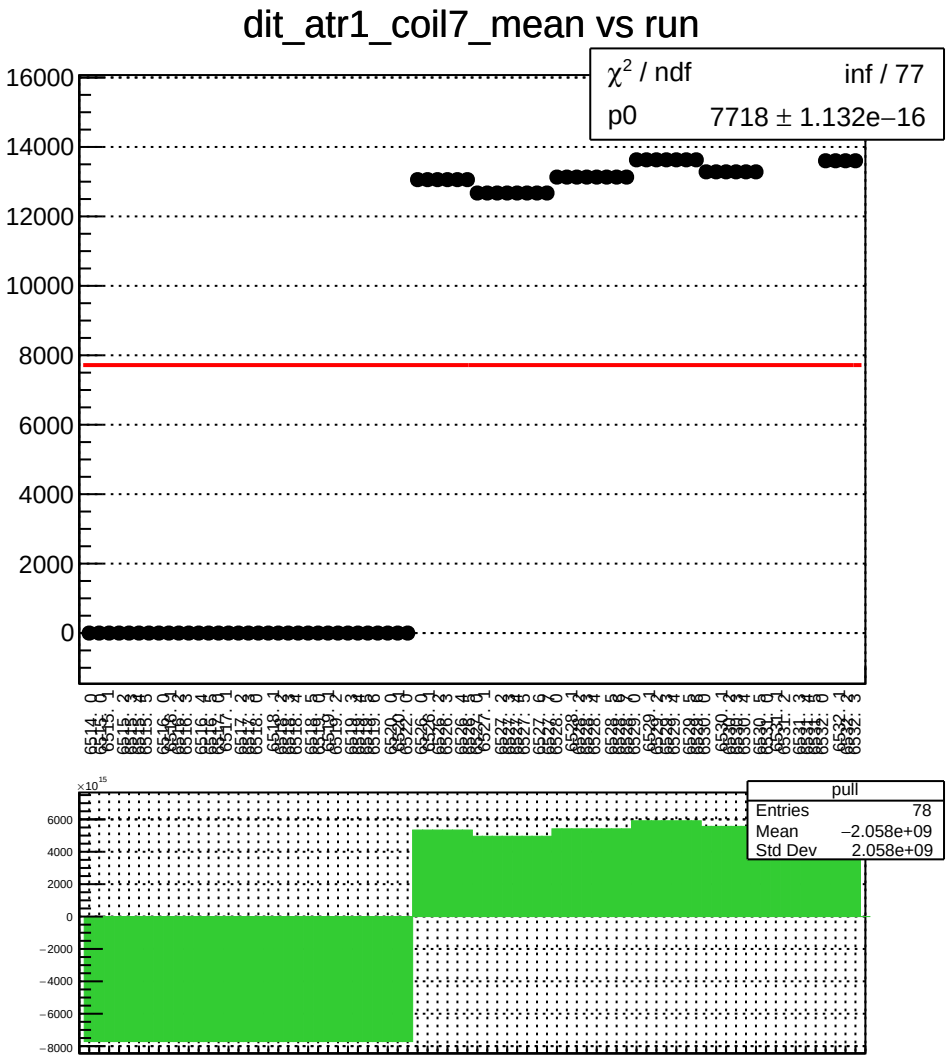


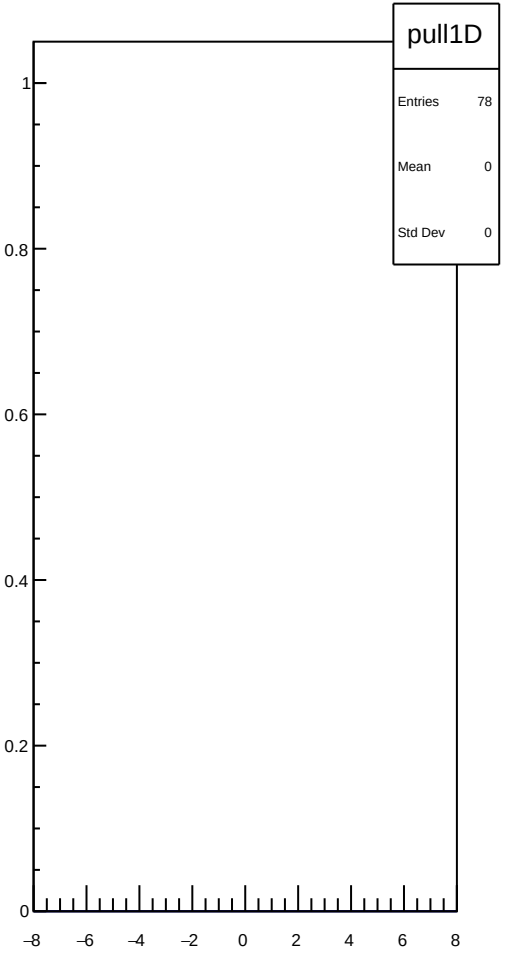


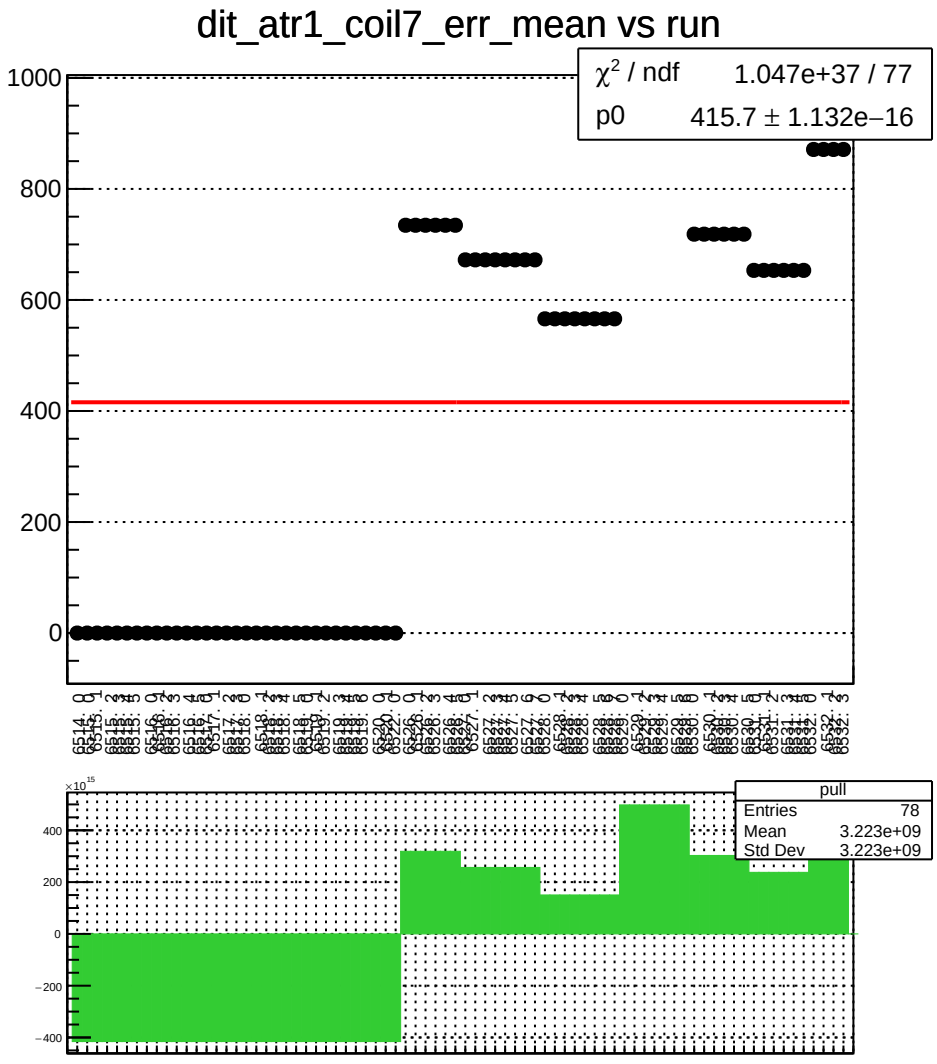
dit_atl2_coil7_Ndata_mean vs run

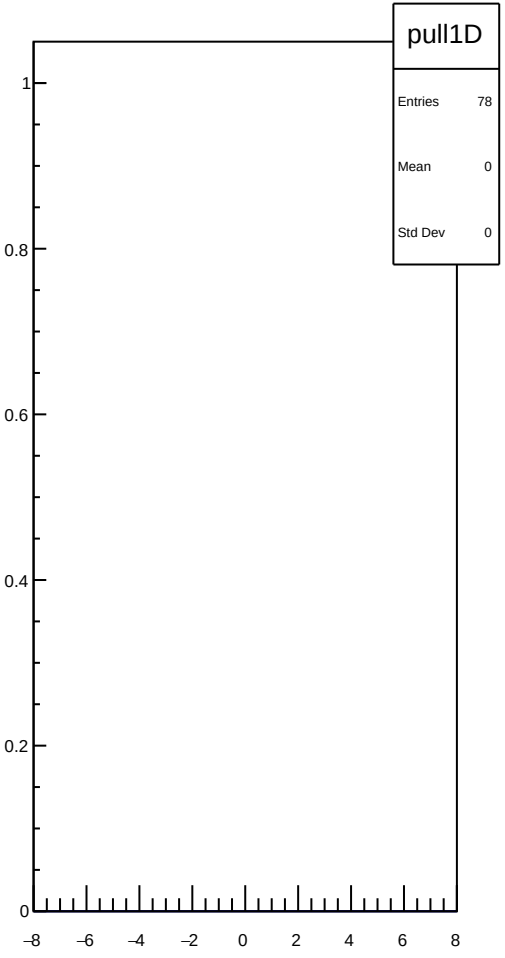




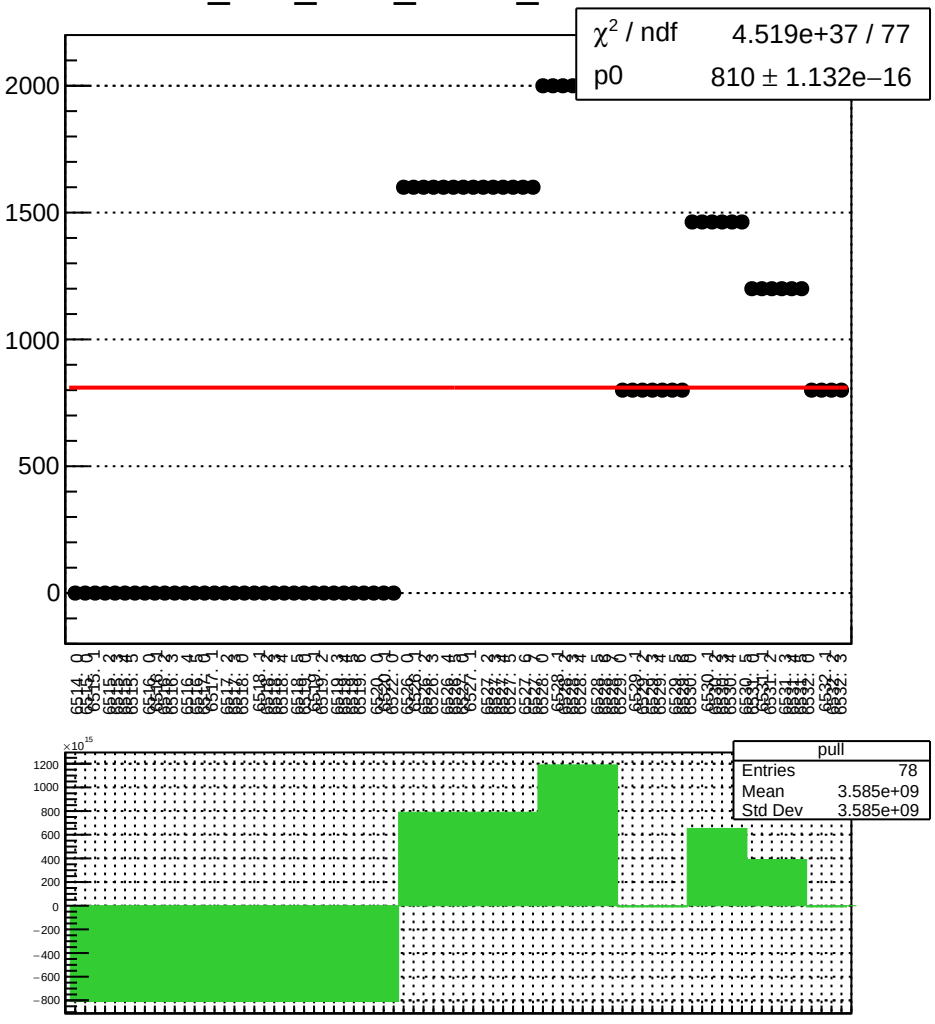

dit_atr1_coil7_mean vs run
χ^2 / ndf inf / 77
p0 7718 ± 1.132e−16
pull
Entries 78
Mean −2.058e+09
Std Dev 2.058e+09

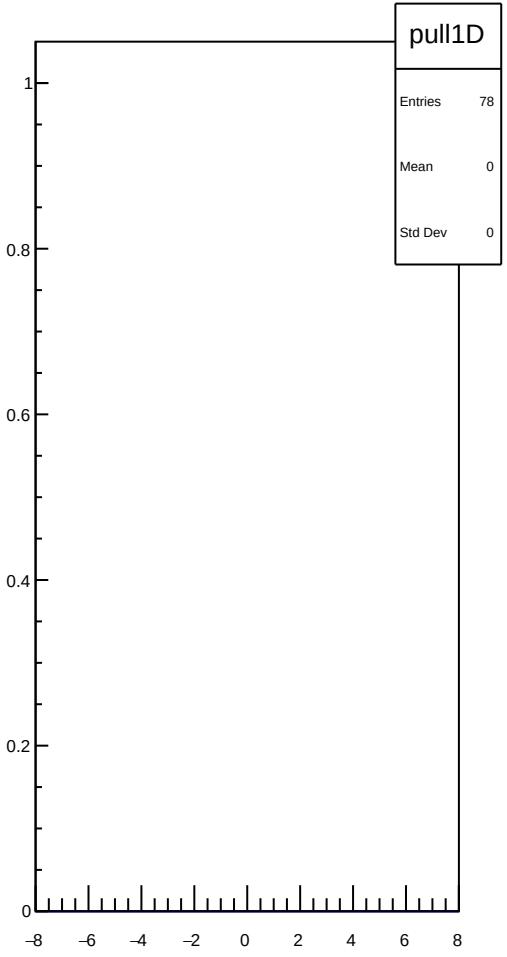

pull1D
Entries 78
Mean 0
Std Dev 0

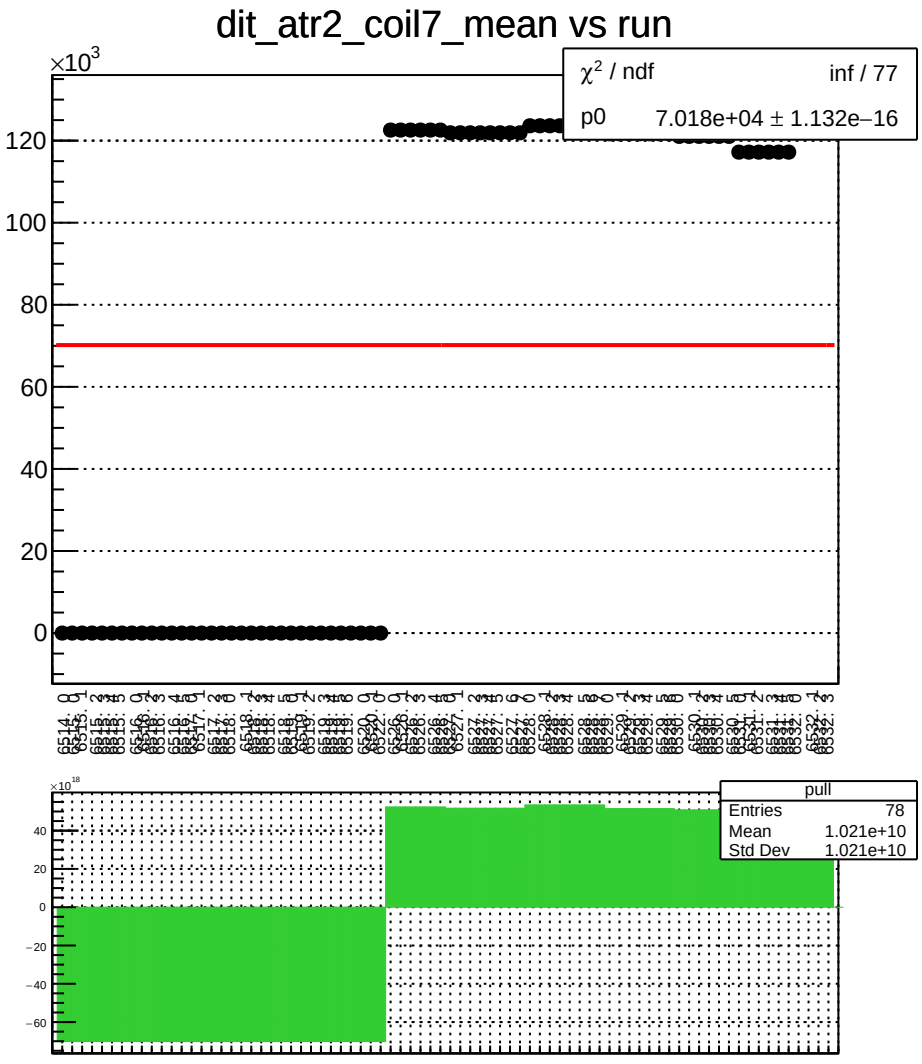

dit_atr1_coil7_err_mean vs run
χ^2 / ndf 1.047e+37 / 77
p0 415.7 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 3.223e+09
Std Dev 3.223e+09
400
200
0
−200
−400

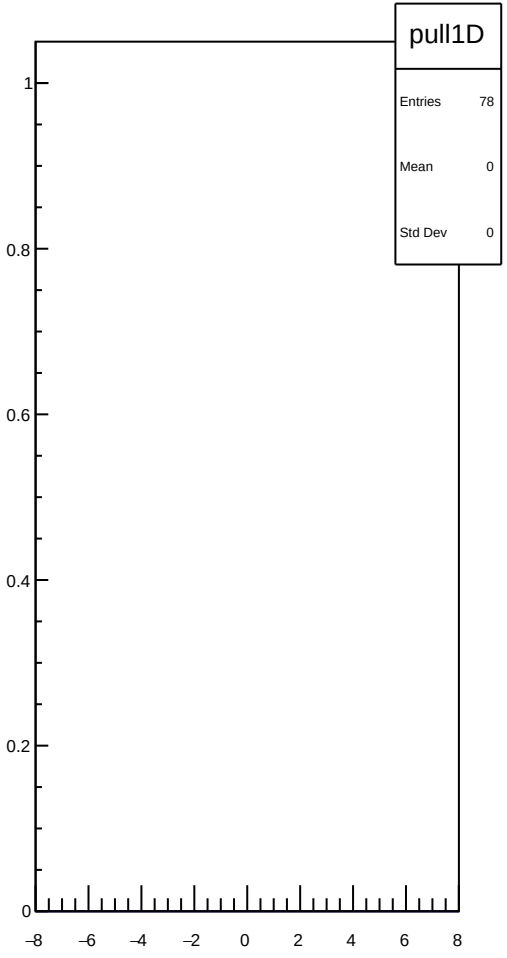

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_Ndata_mean vs run

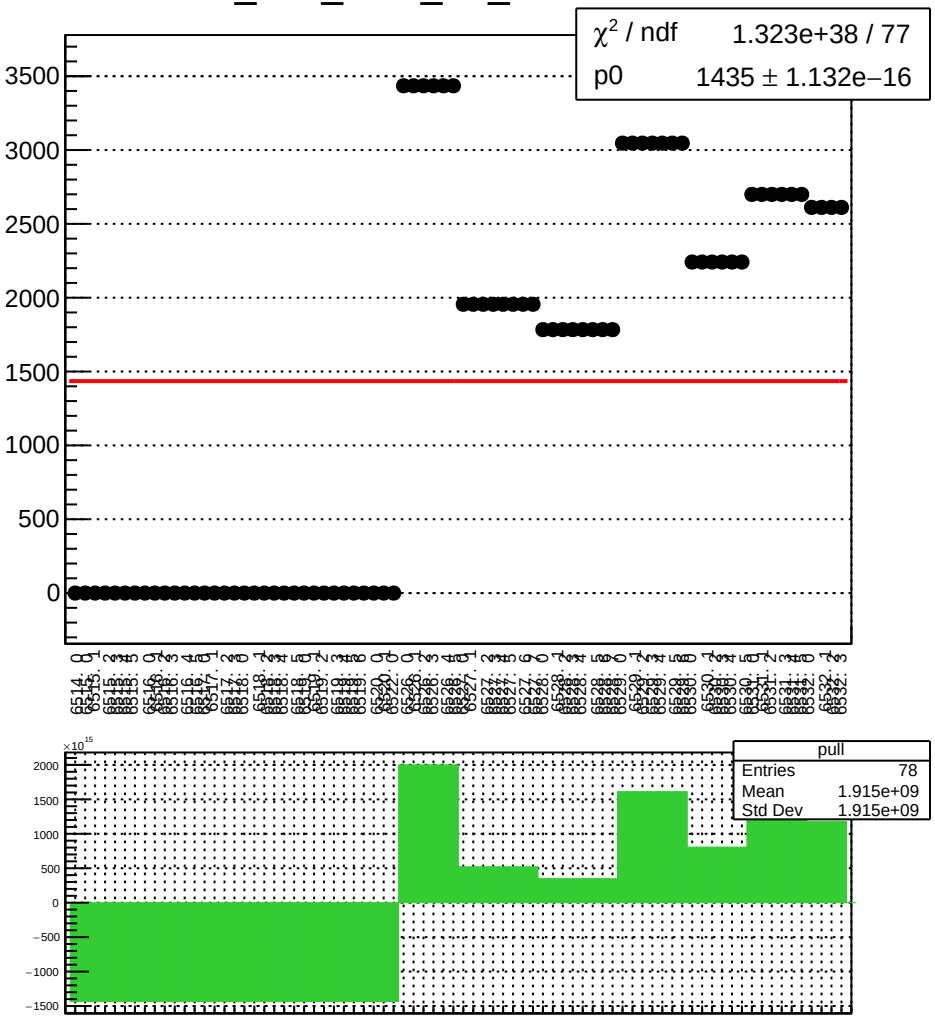


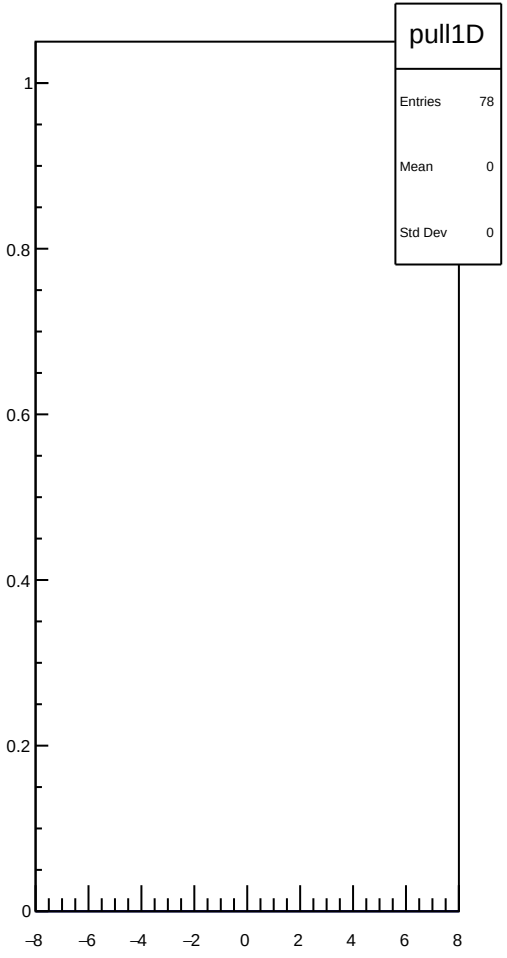


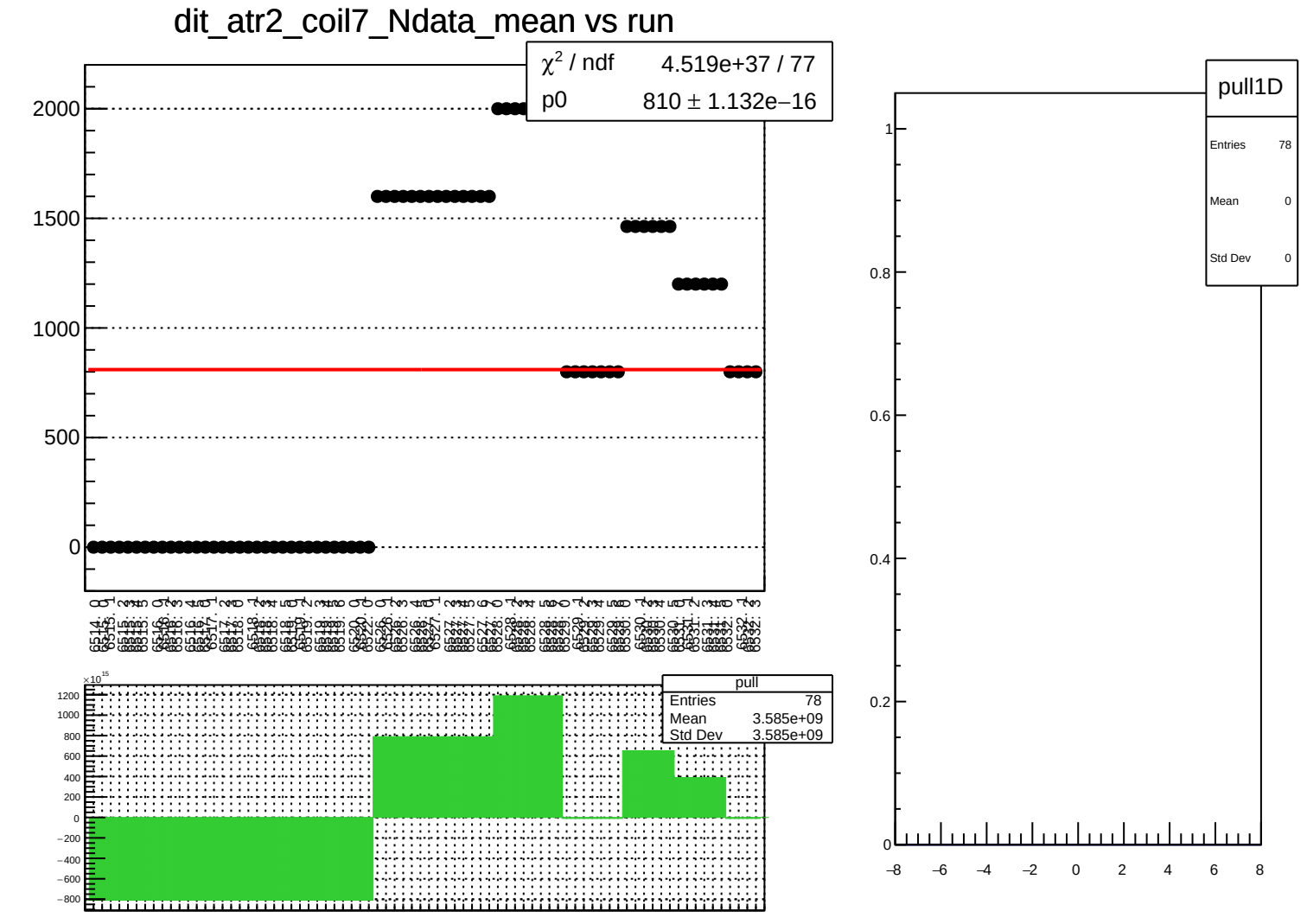

dit_atr2_coil7_mean vs run
χ^2 / ndf inf / 77
p0 7.018e+04 ± 1.132e−16
pull
Entries 78
Mean 1.021e+10
Std Dev 1.021e+10

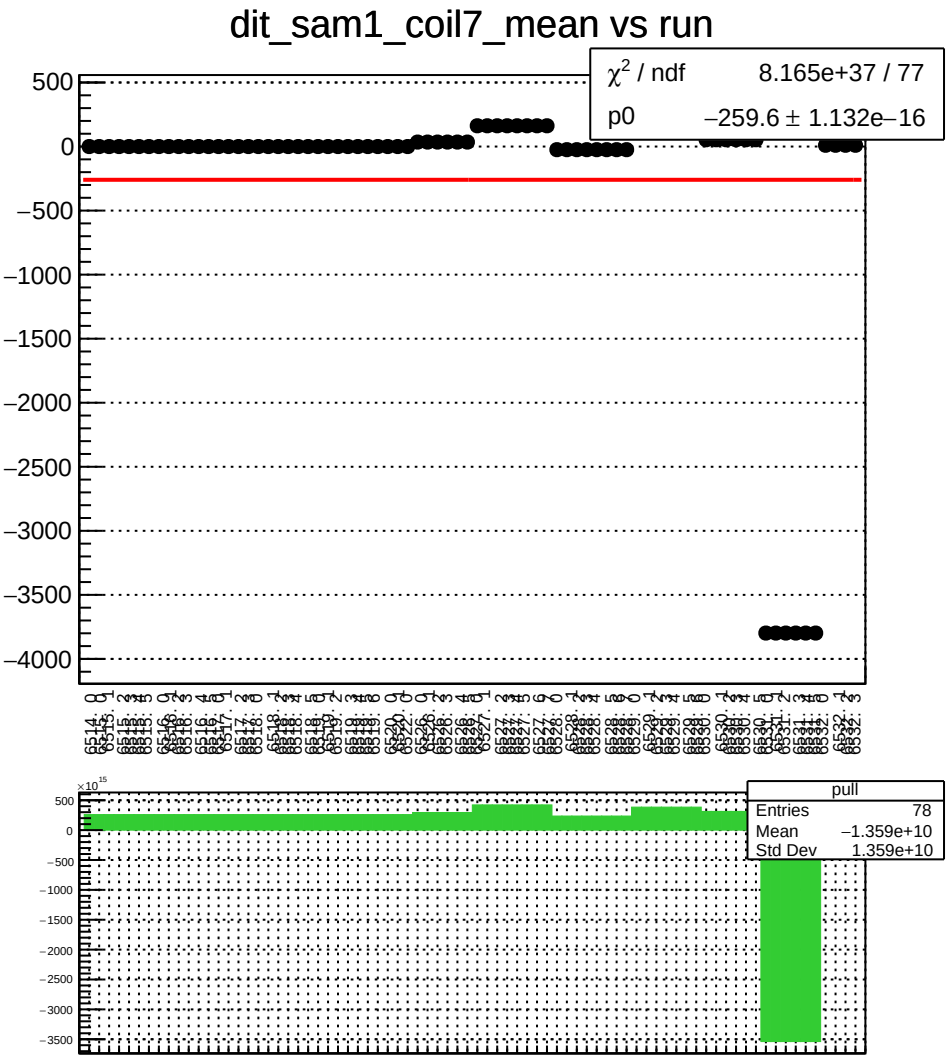

pull1D
Entries 78
Mean 0
Std Dev 0

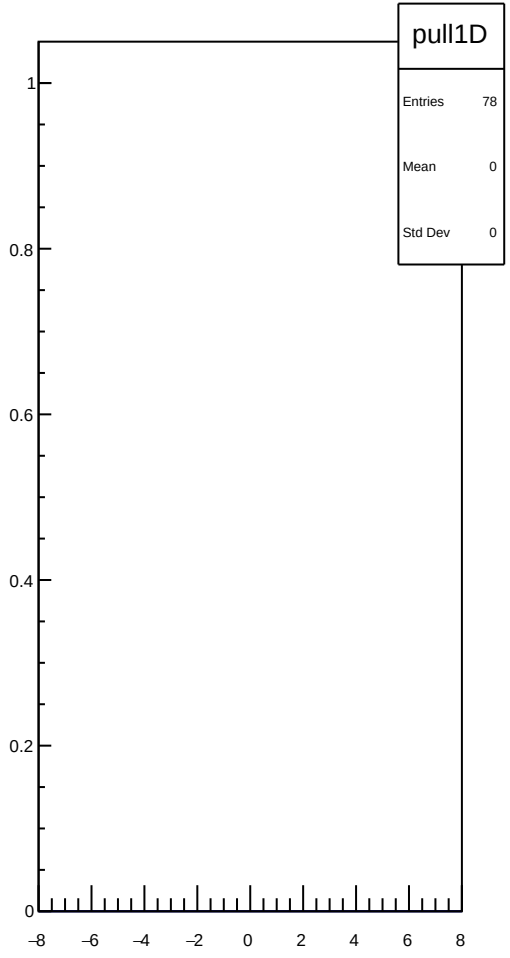
dit_atr2_coil7_err_mean vs run

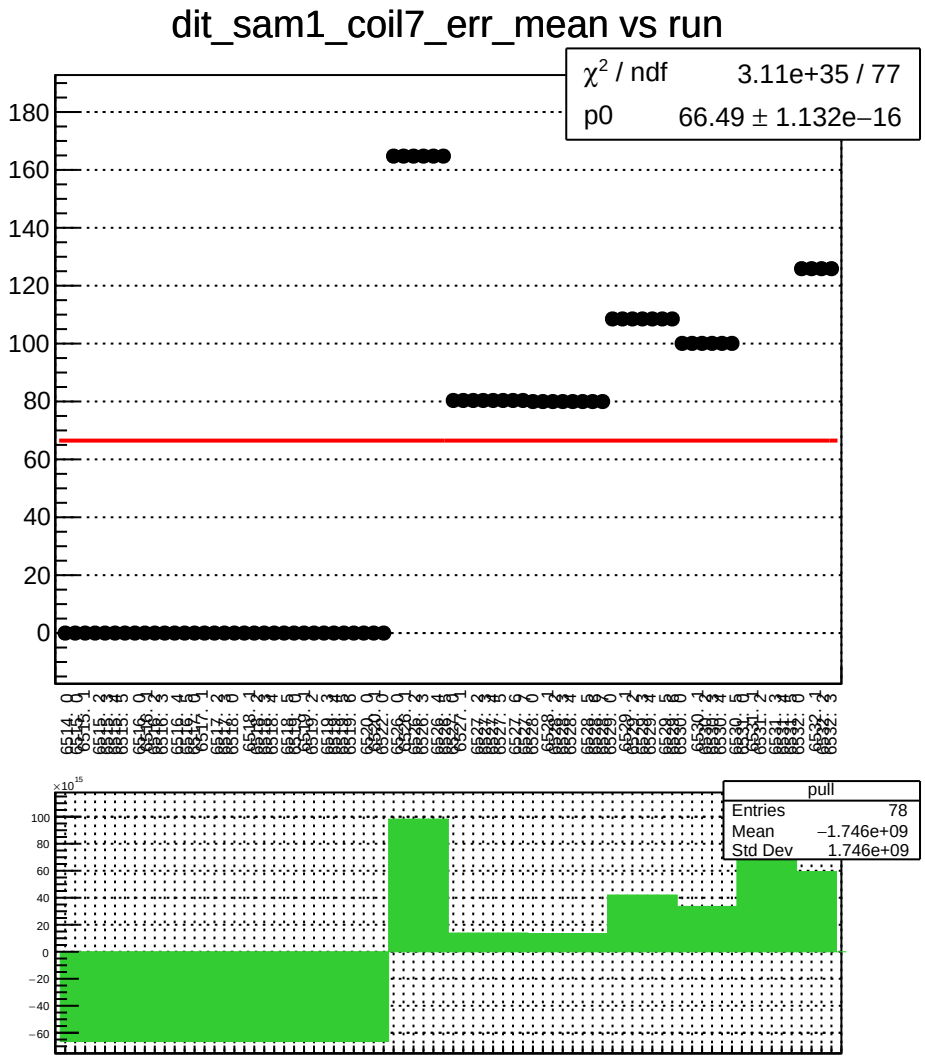


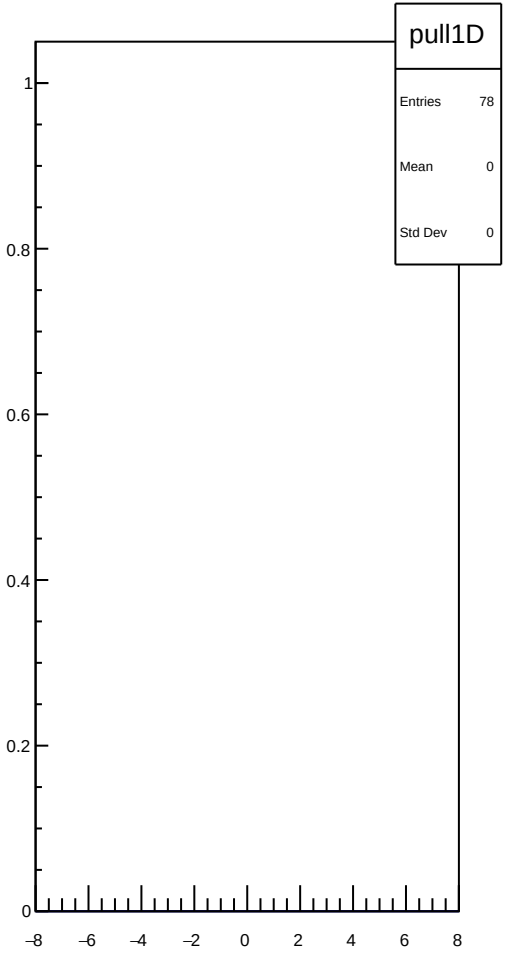


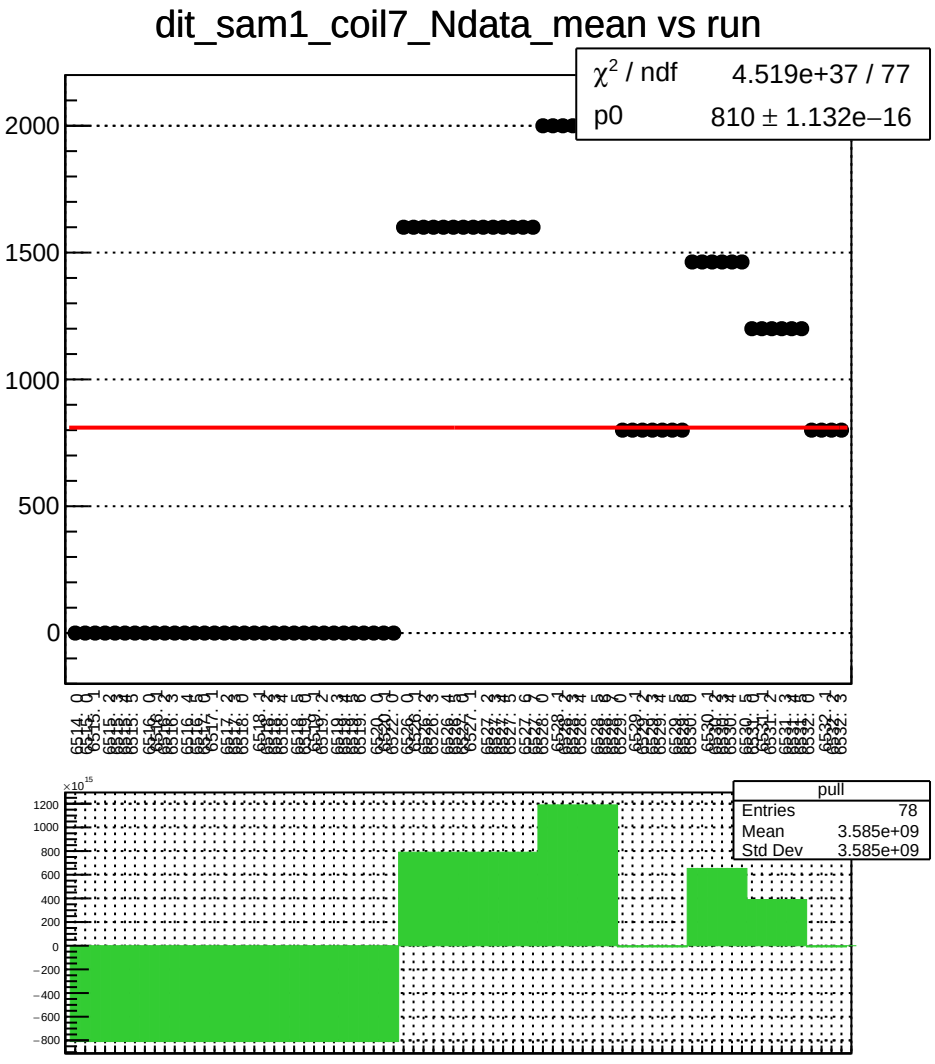

dit_atr2_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

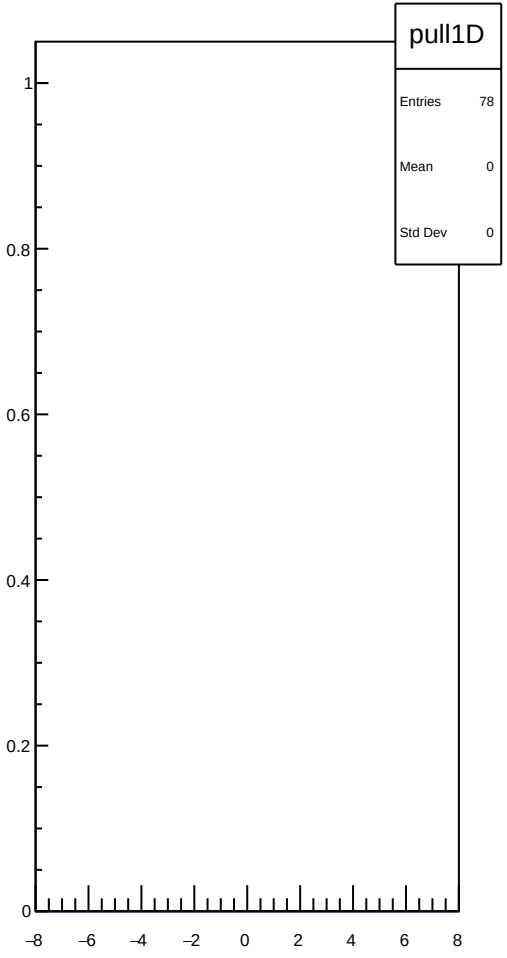

dit_sam1_coil7_mean vs run
χ^2 / ndf 8.165e+37 / 77
p0 −259.6 ± 1.132e−16
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000
pull
Entries 78
Mean −1.359e+10
Std Dev 1.359e+10
×10^15


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


dit_sam1_coil7_err_mean vs run
χ² / ndf 3.11e+35 / 77
p0 66.49 ± 1.132e−16
pull
Entries 78
Mean −1.746e+09
Std Dev 1.746e+09


pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
1200
1000
800
600
400
200
0
−200
−400
−600
−800


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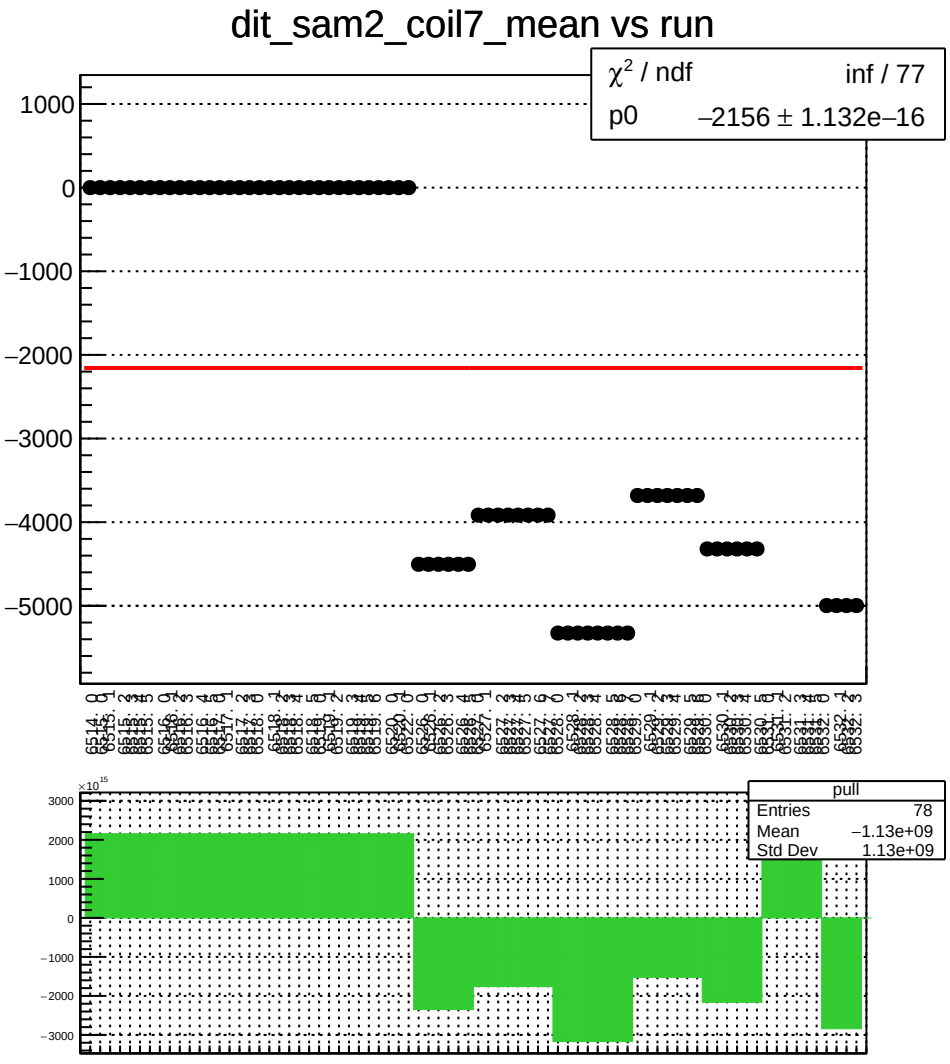
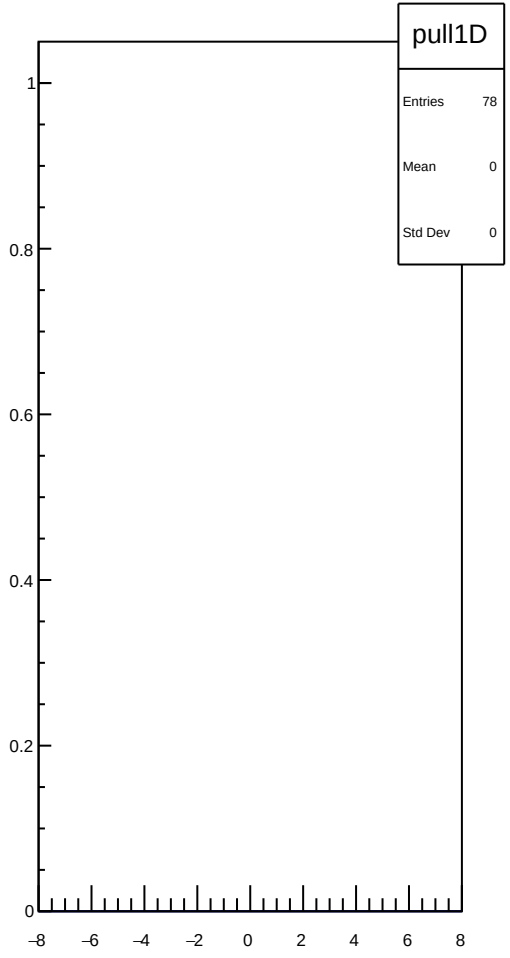
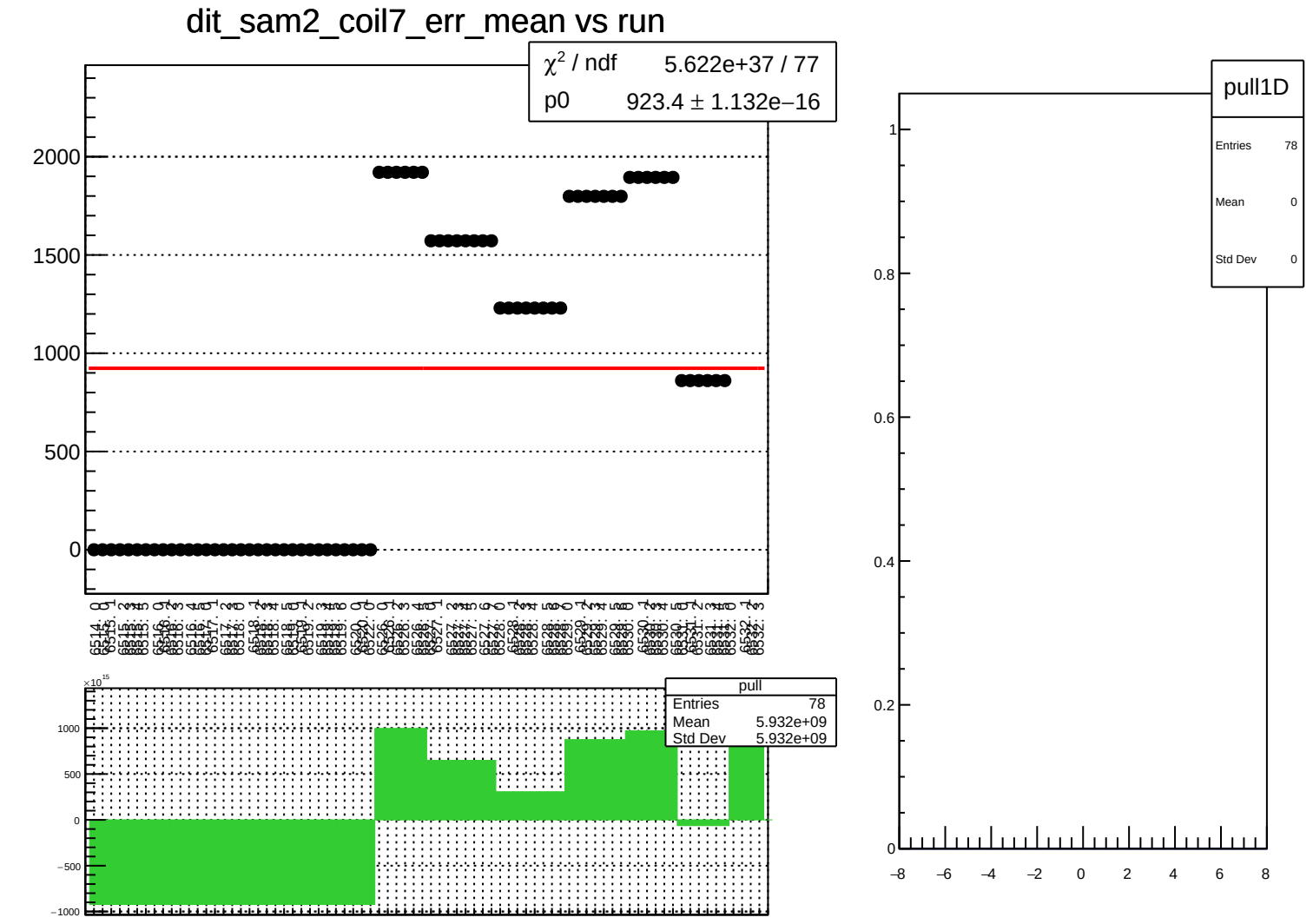
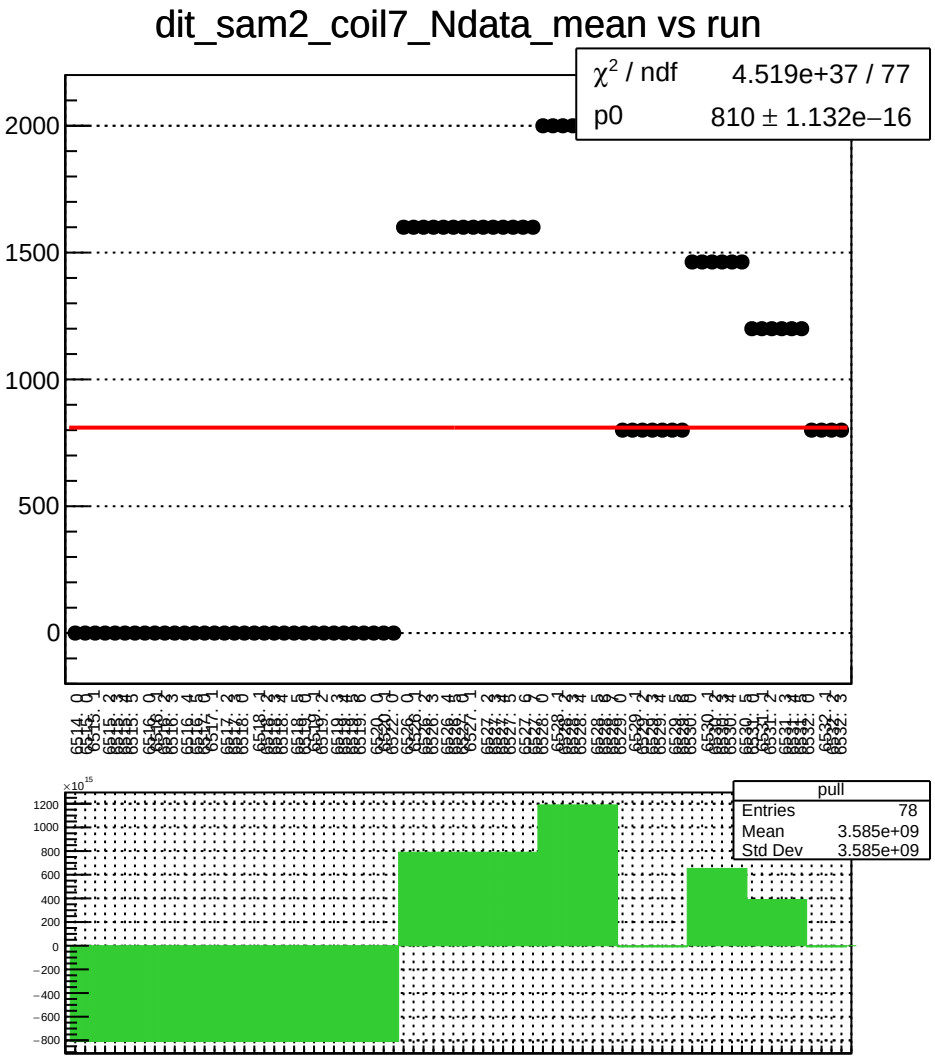
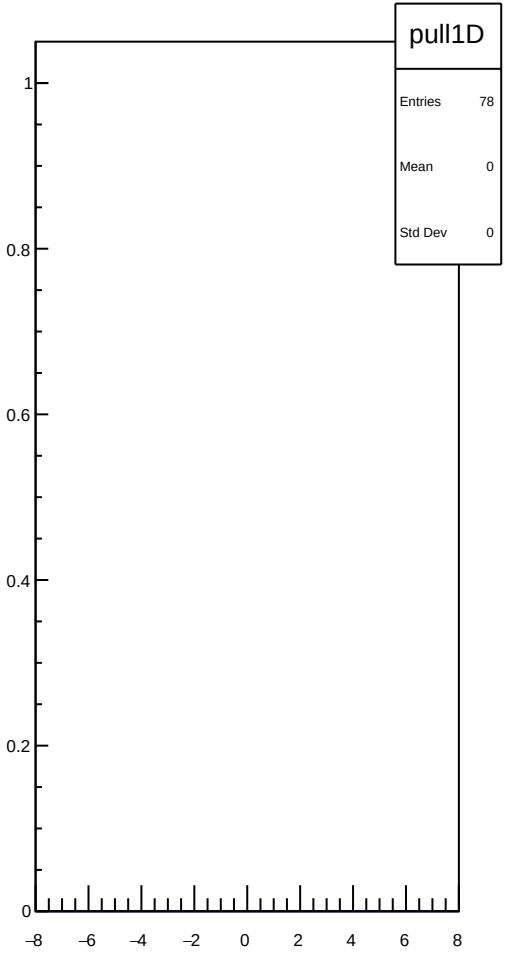
0
2
4
6
8

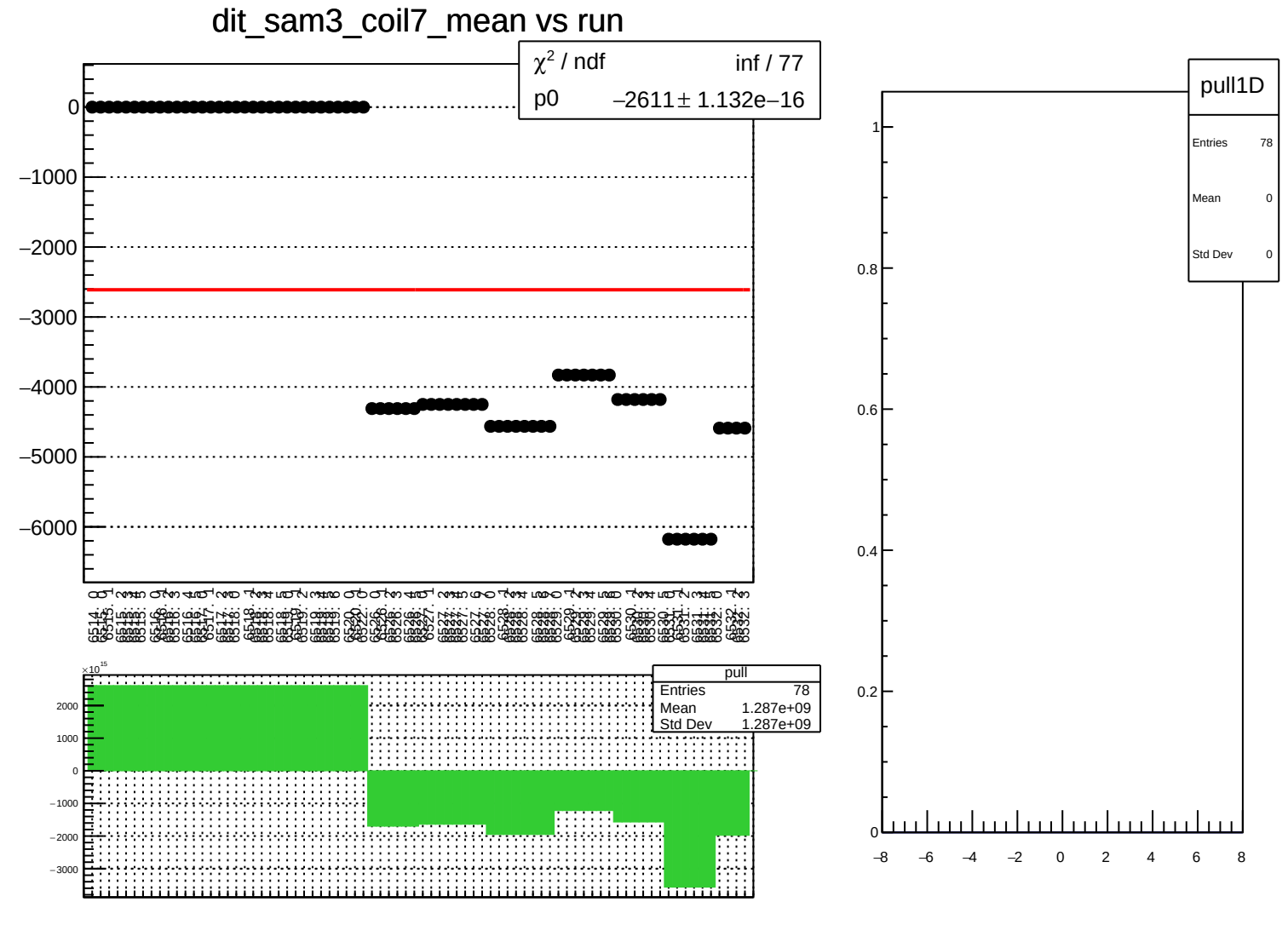

dit_sam2_coil7_mean vs run
χ² / ndf inf / 77
p0 −2156 ± 1.132e−16
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 78
Mean −1.13e+09
Std Dev 1.13e+09
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000

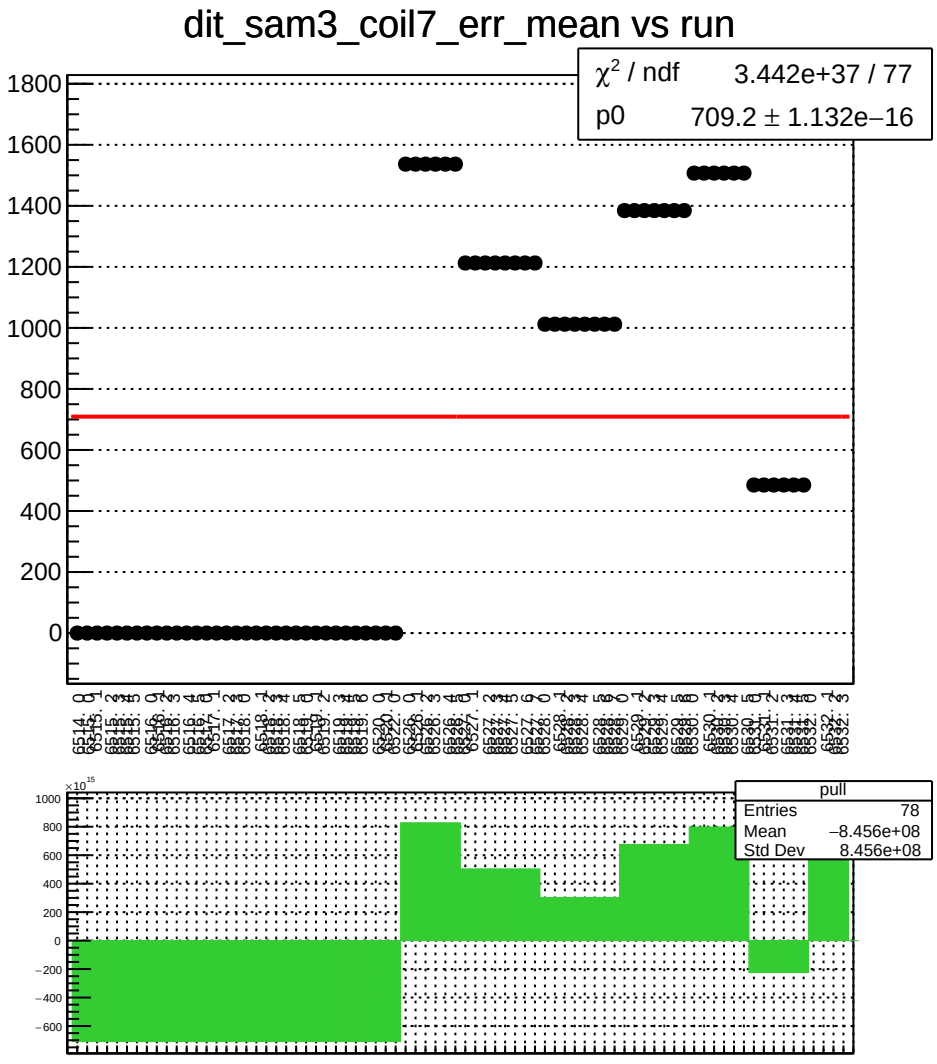

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

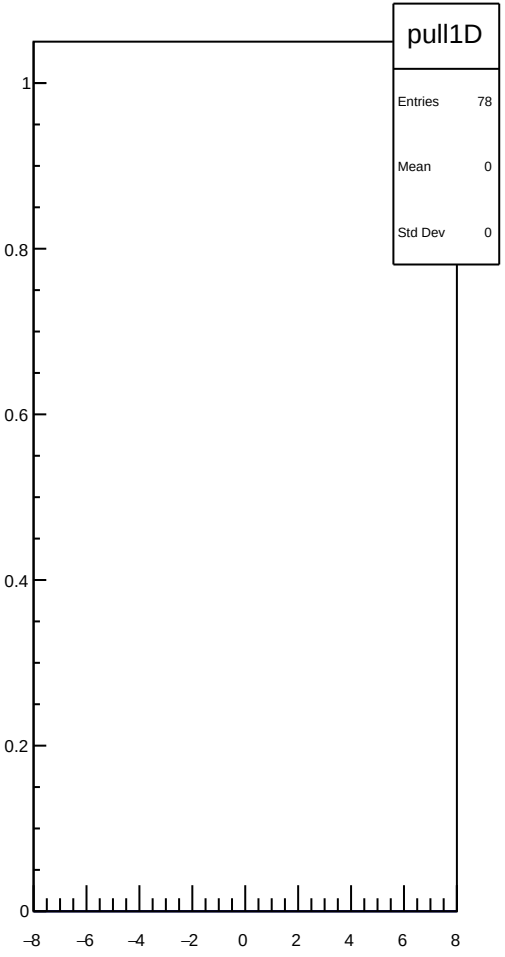

dit_sam2_coil7_err_mean vs run
χ^2 / ndf 5.622e+37 / 77
p0 923.4 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 5.932e+09
Std Dev 5.932e+09
×10^15
1000
500
0
−500
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

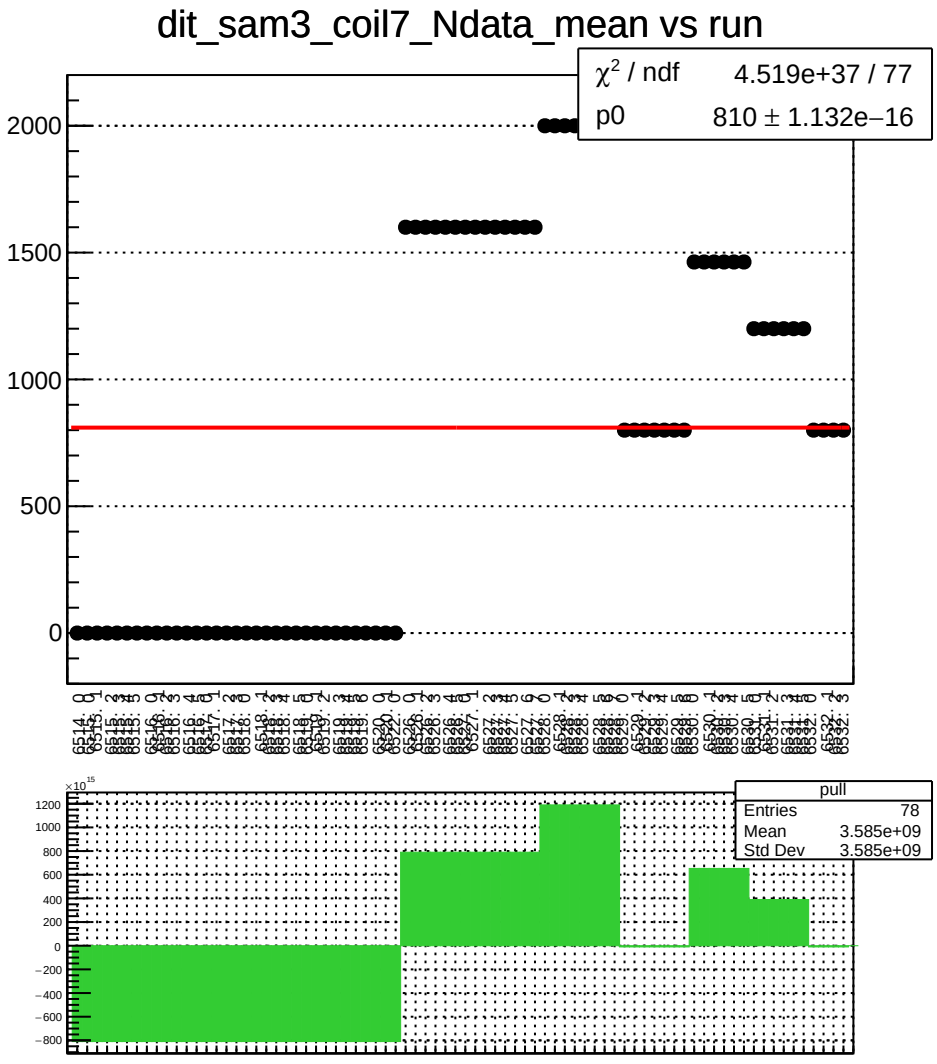

dit_sam2_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
1200
1000
800
600
400
200
0
−200
−400
−600
−800

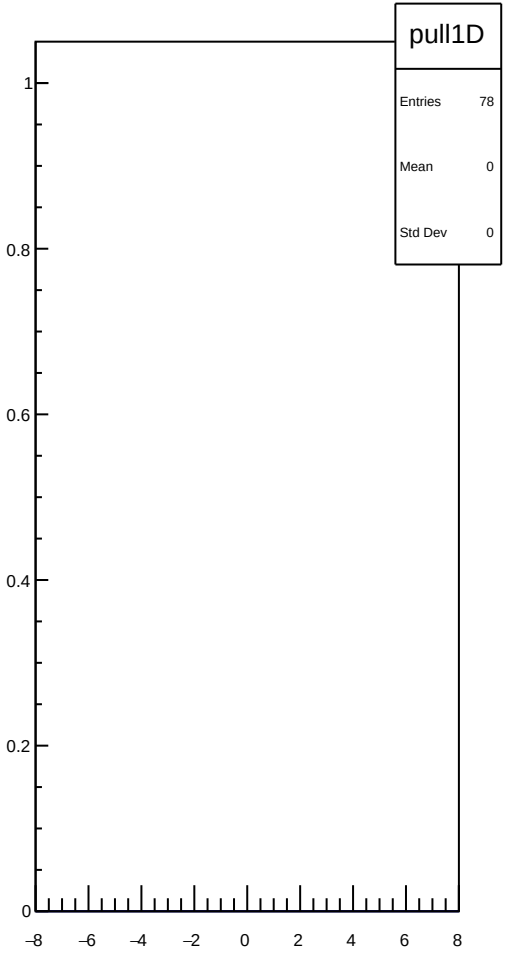

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

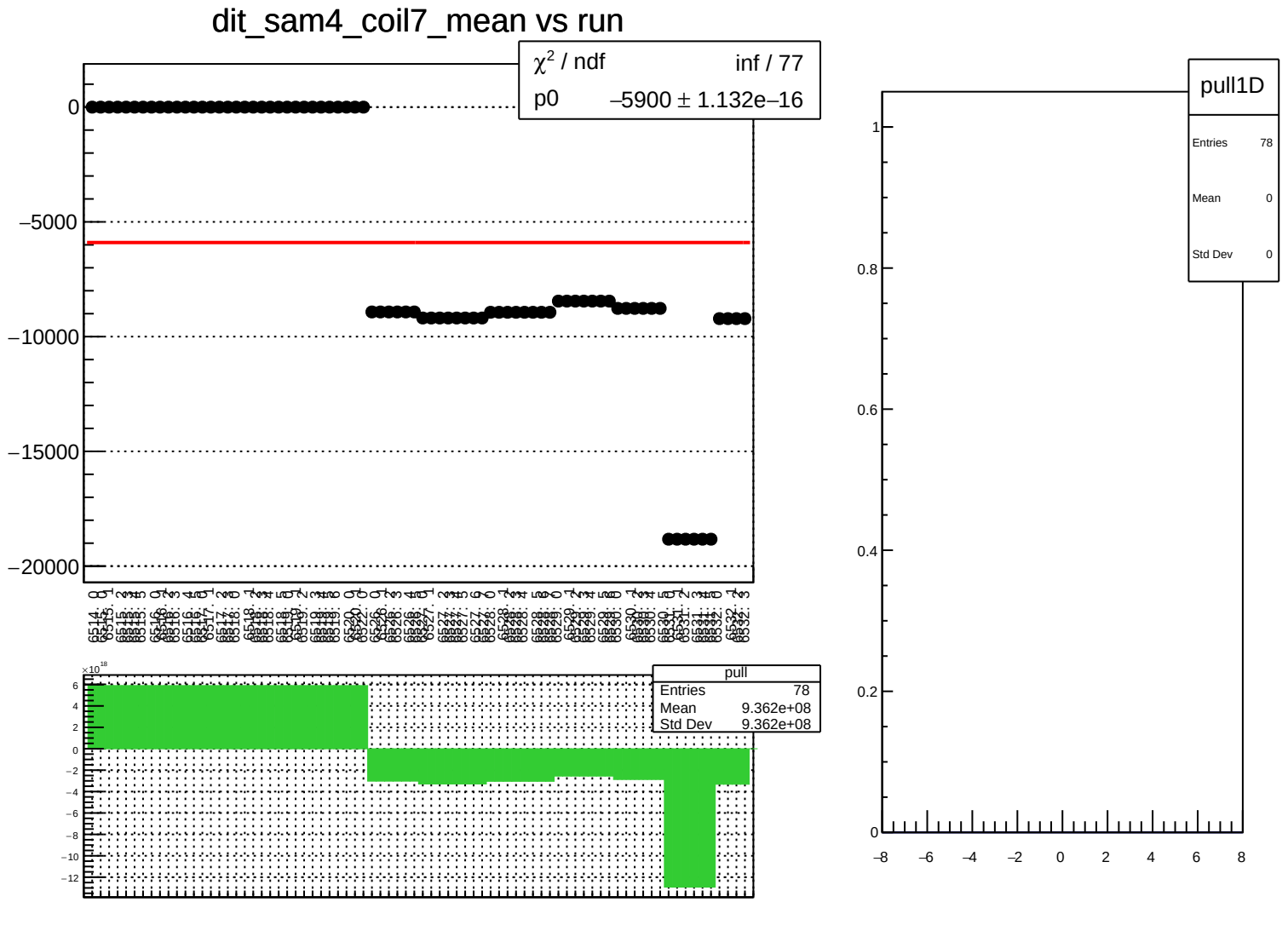

dit_sam3_coil7_mean vs run
χ² / ndf inf / 77
p0 −2611 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 78
Mean 1.287e+09
Std Dev 1.287e+09
×10¹⁵
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

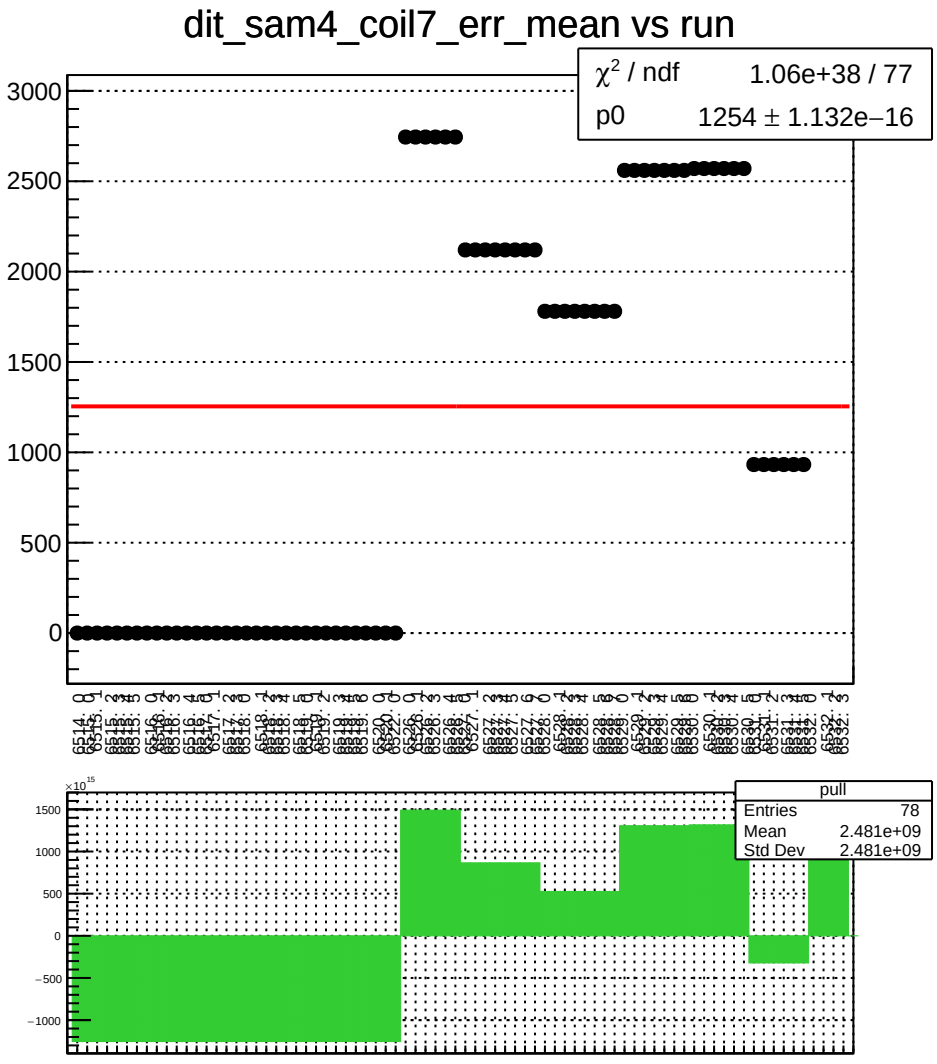

dit_sam3_coil7_err_mean vs run
χ^2 / ndf 3.442e+37 / 77
p0 709.2 ± 1.132e−16
pull
Entries 78
Mean −8.456e+08
Std Dev 8.456e+08

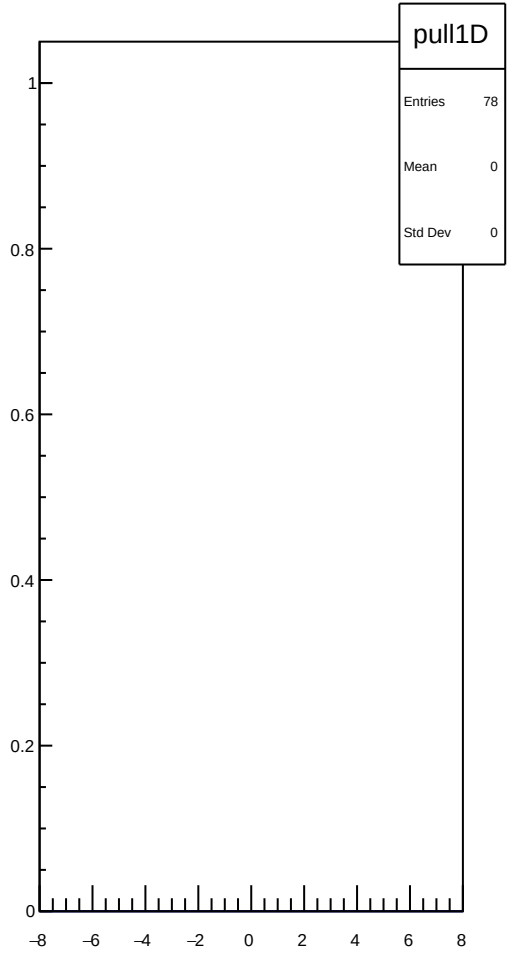

pull1D
Entries 78
Mean 0
Std Dev 0

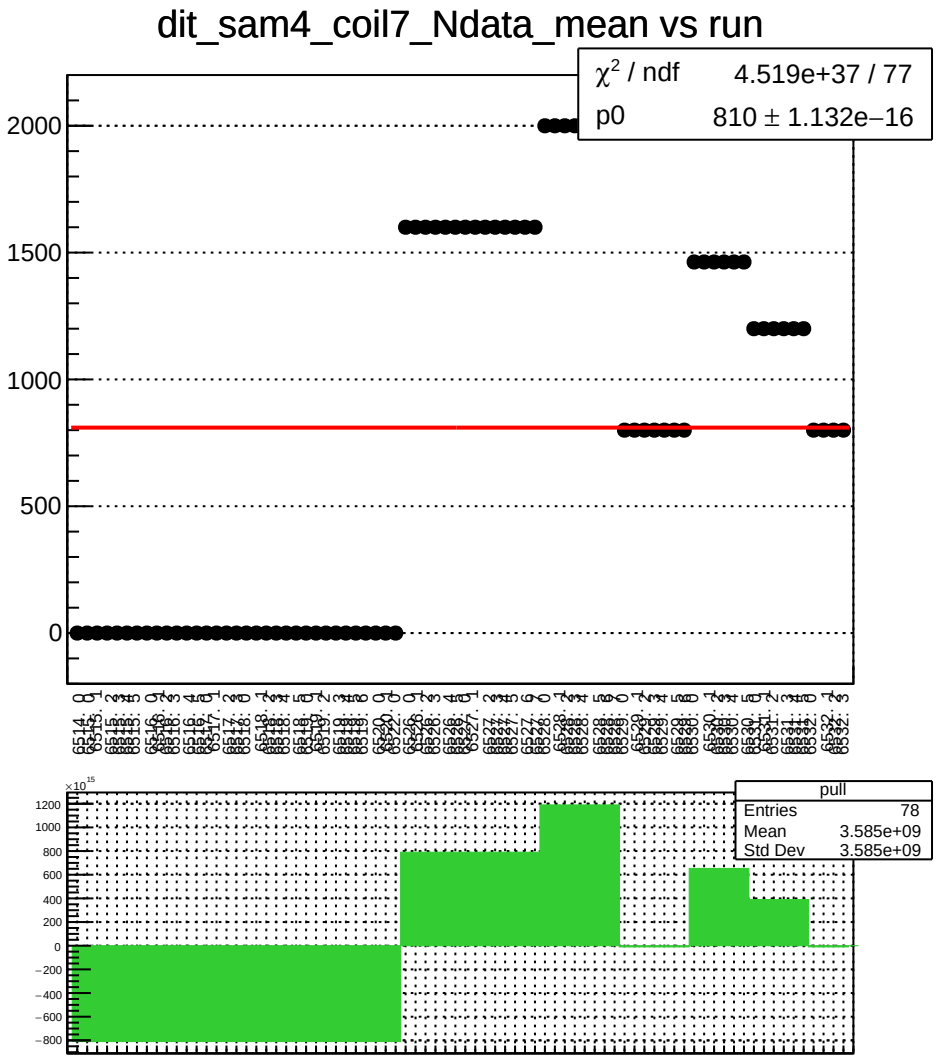

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

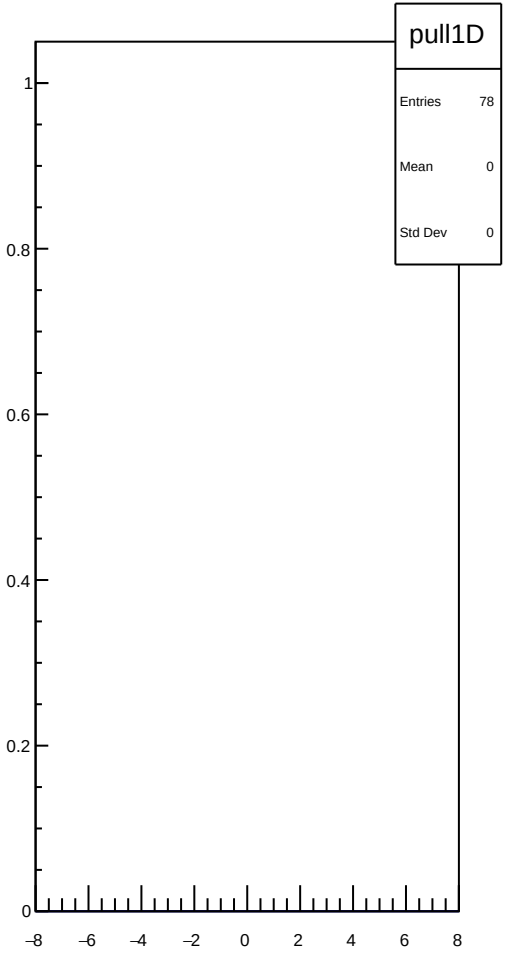

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

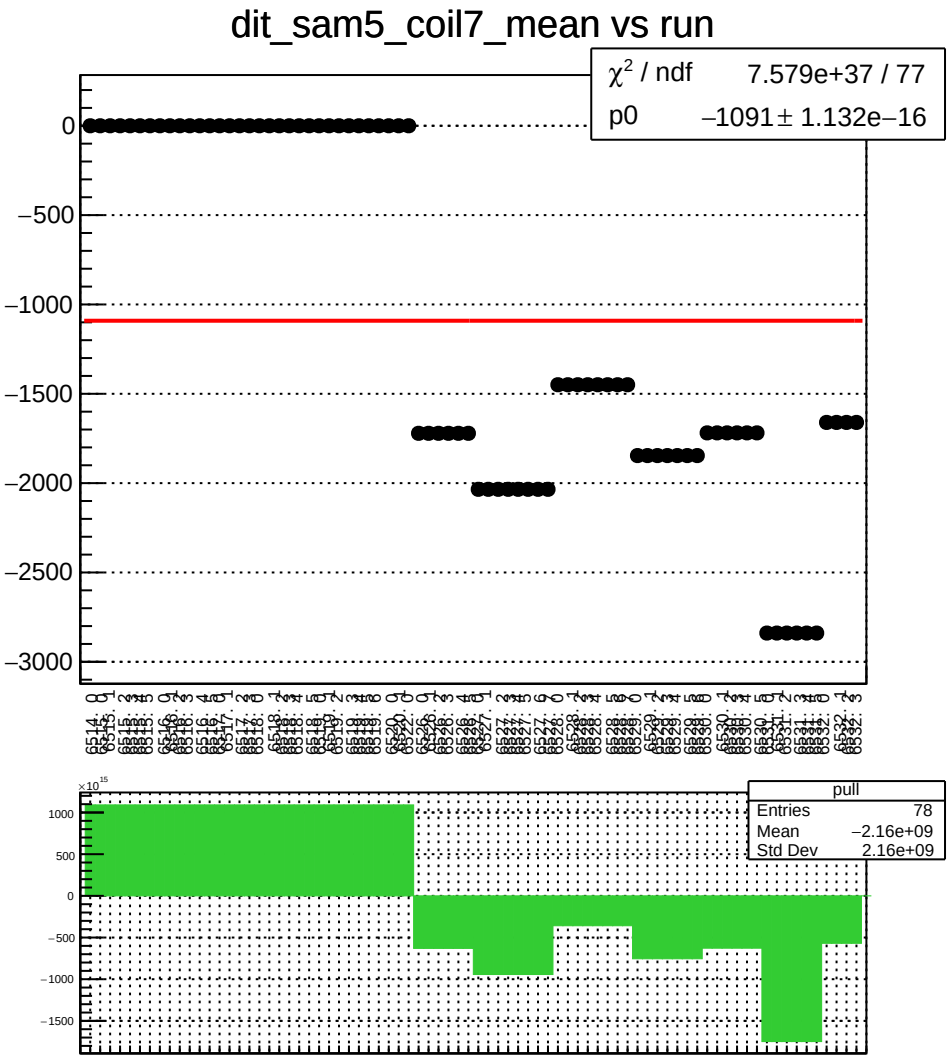

dit_sam4_coil7_mean vs run
χ² / ndf inf / 77
p0 –5900 ± 1.132e–16
0
–5000
–10000
–15000
–20000
pull
Entries 78
Mean 9.362e+08
Std Dev 9.362e+08
×10¹⁸
6
4
2
0
–2
–4
–6
–8
–10
–12
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

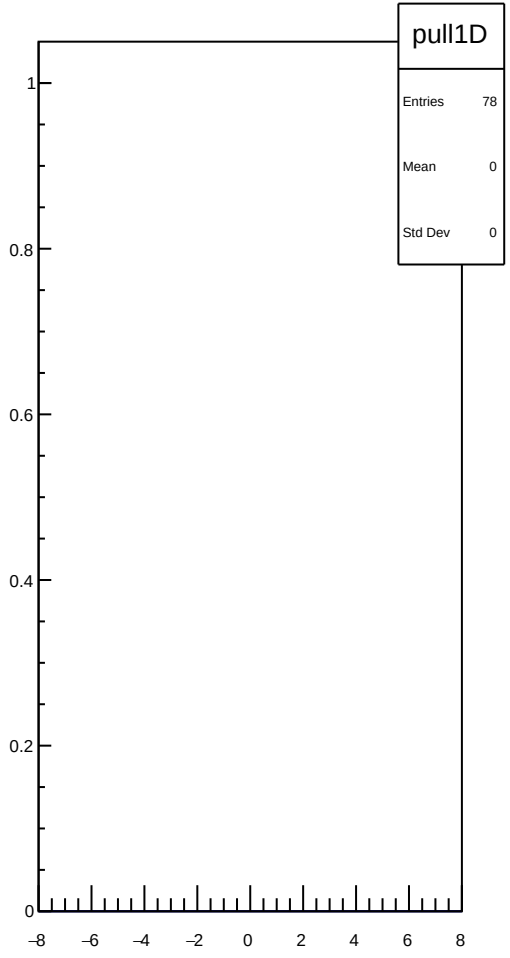

dit_sam4_coil7_err_mean vs run
χ^2 / ndf 1.06e+38 / 77
p0 1254 ± 1.132e−16
pull
Entries 78
Mean 2.481e+09
Std Dev 2.481e+09

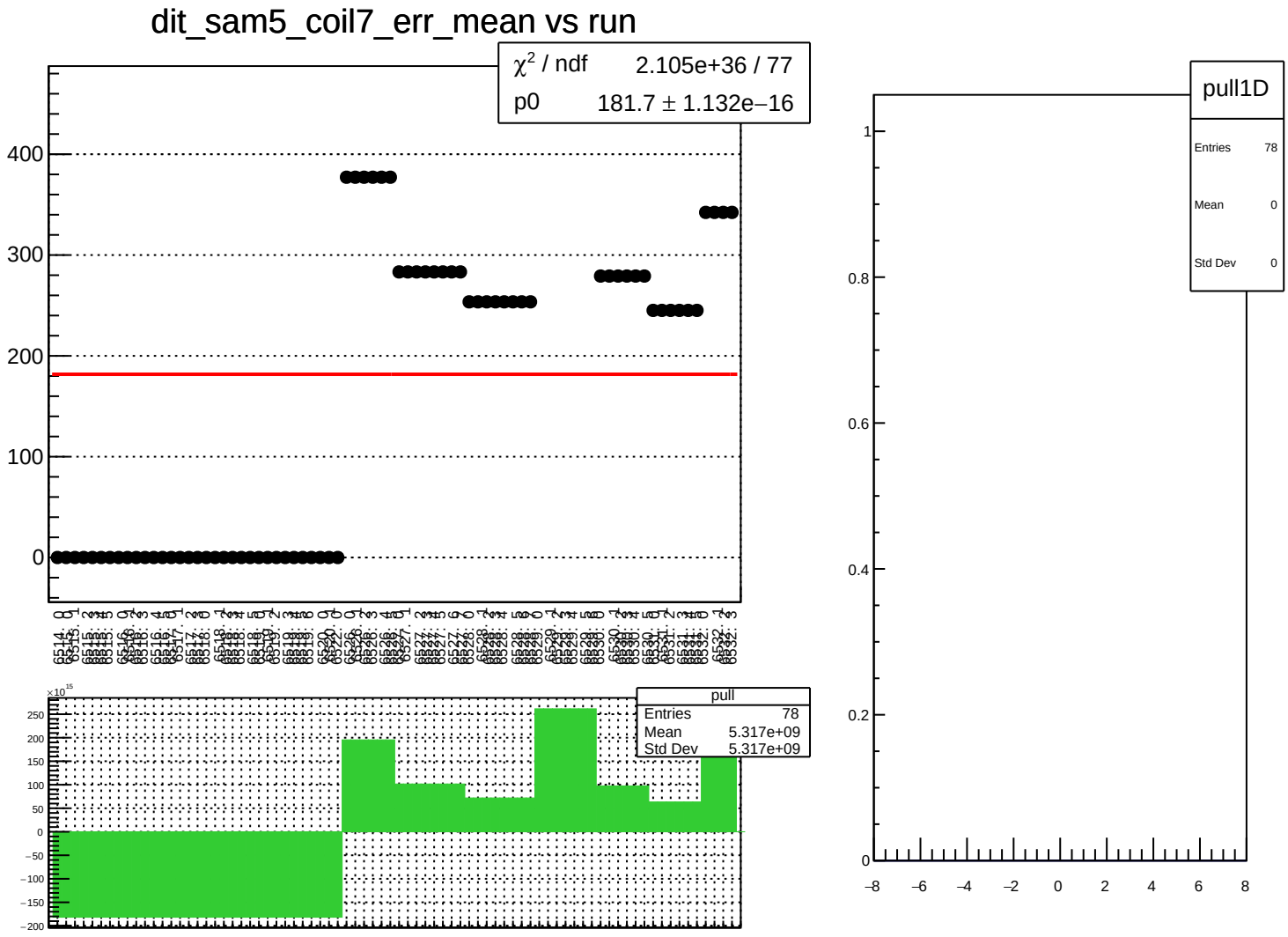

pull1D
Entries 78
Mean 0
Std Dev 0

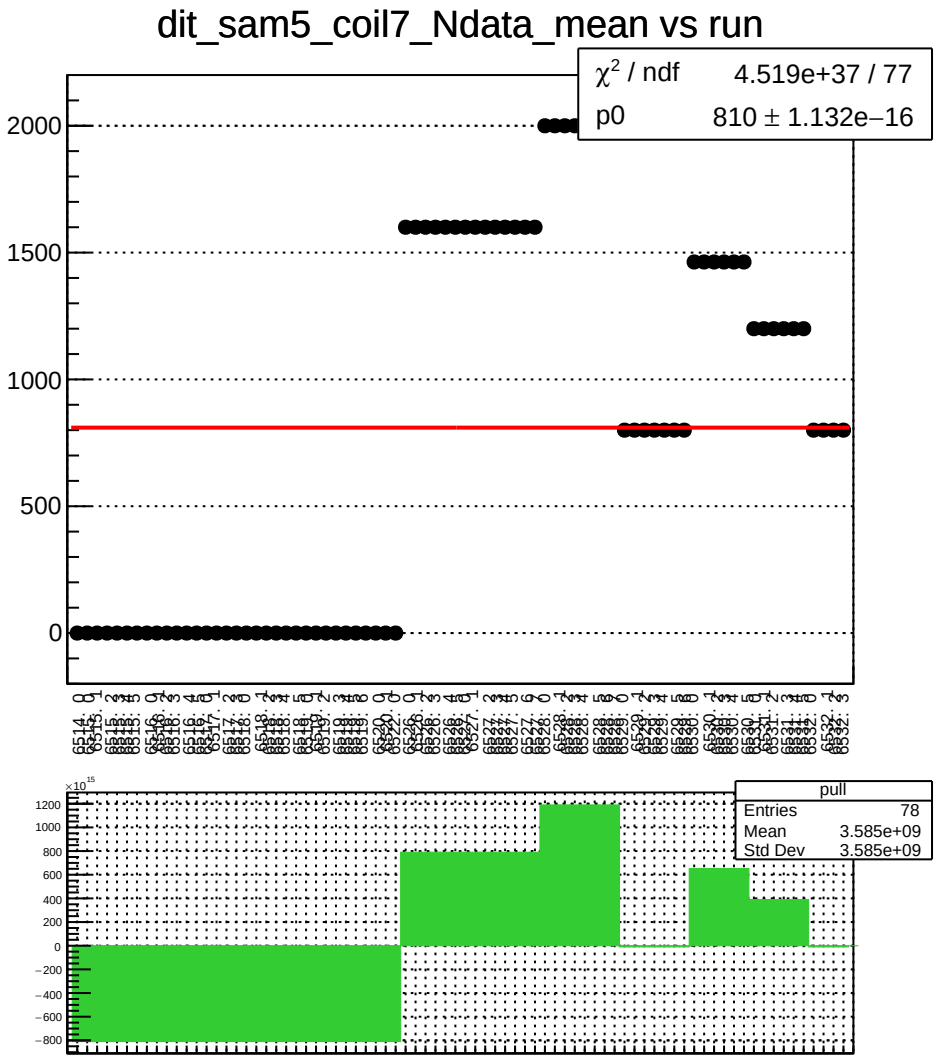

dit_sam4_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800

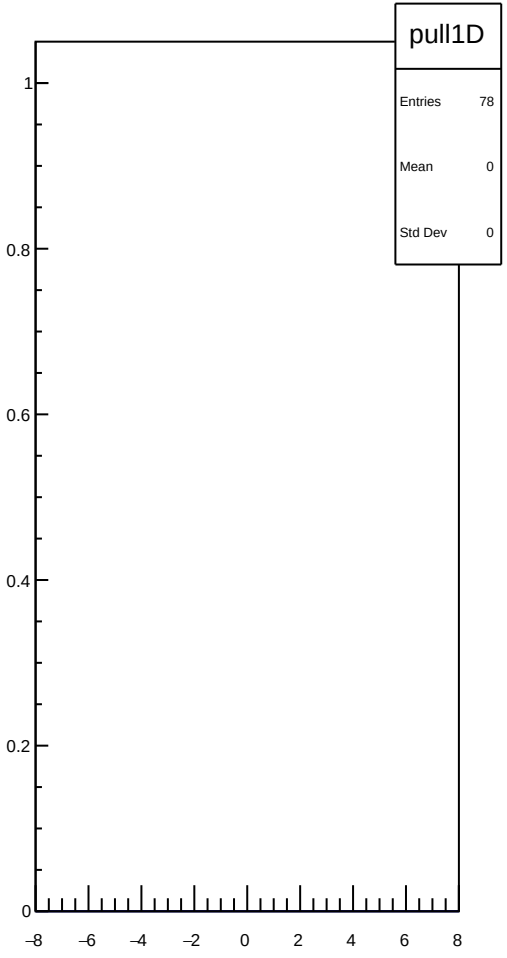

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

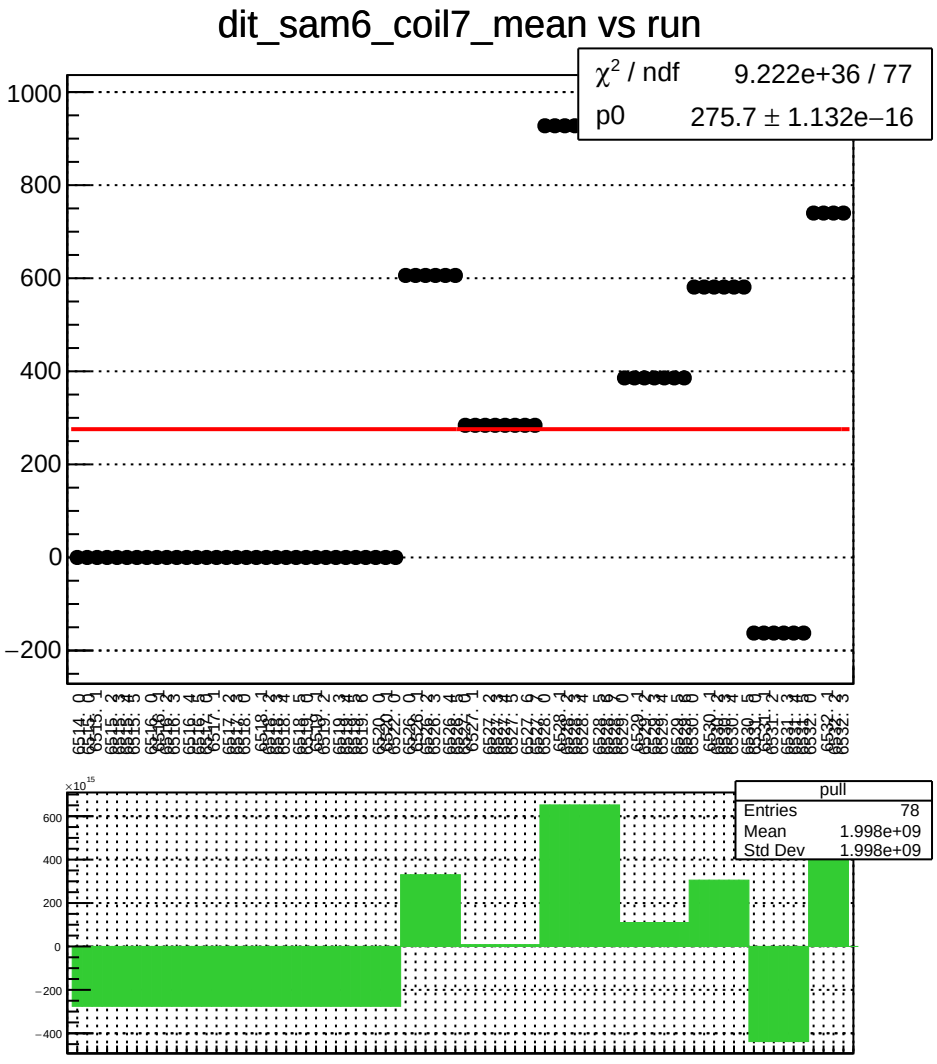

dit_sam5_coil7_mean vs run
χ^2 / ndf 7.579e+37 / 77
p0 −1091 ± 1.132e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 78
Mean −2.16e+09
Std Dev 2.16e+09
1000
500
0
−500
−1000
−1500

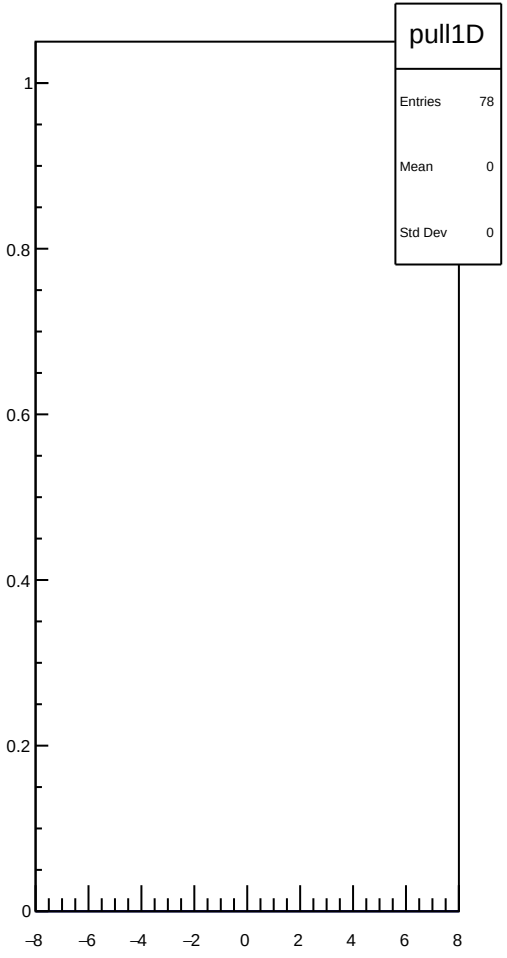

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam5_coil7_err_mean vs run
χ² / ndf 2.105e+36 / 77
p0 181.7 ± 1.132e−16
400
300
200
100
0
pull
Entries 78
Mean 5.317e+09
Std Dev 5.317e+09
×10¹⁵
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

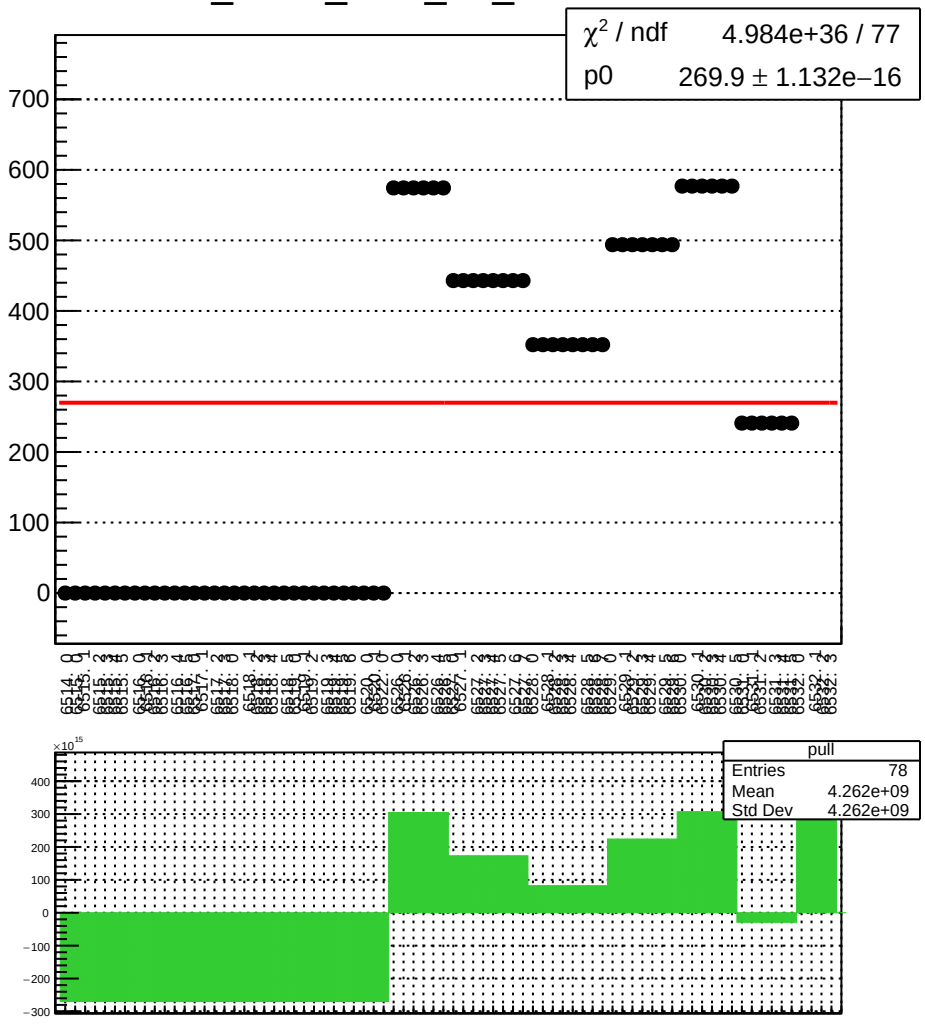

dit_sam5_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
1200
1000
800
600
400
200
0
−200
−400
−600
−800

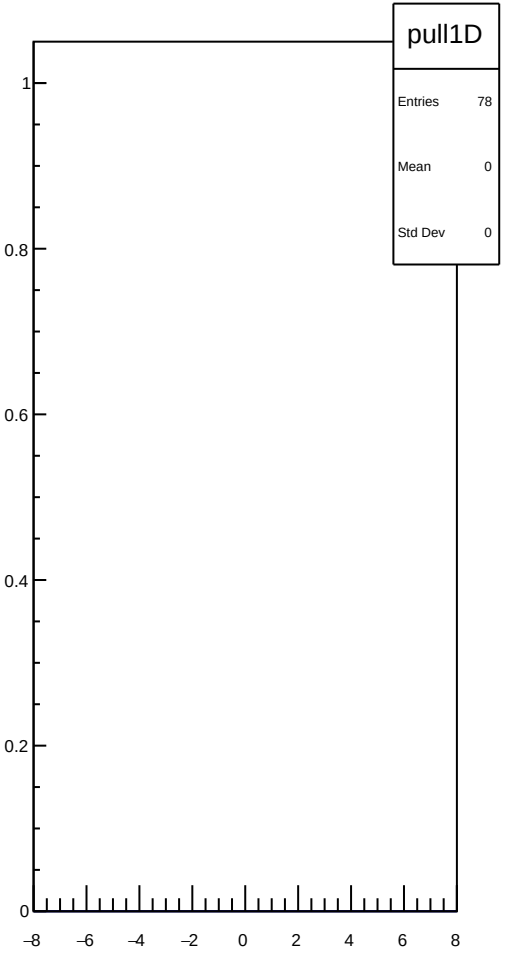

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

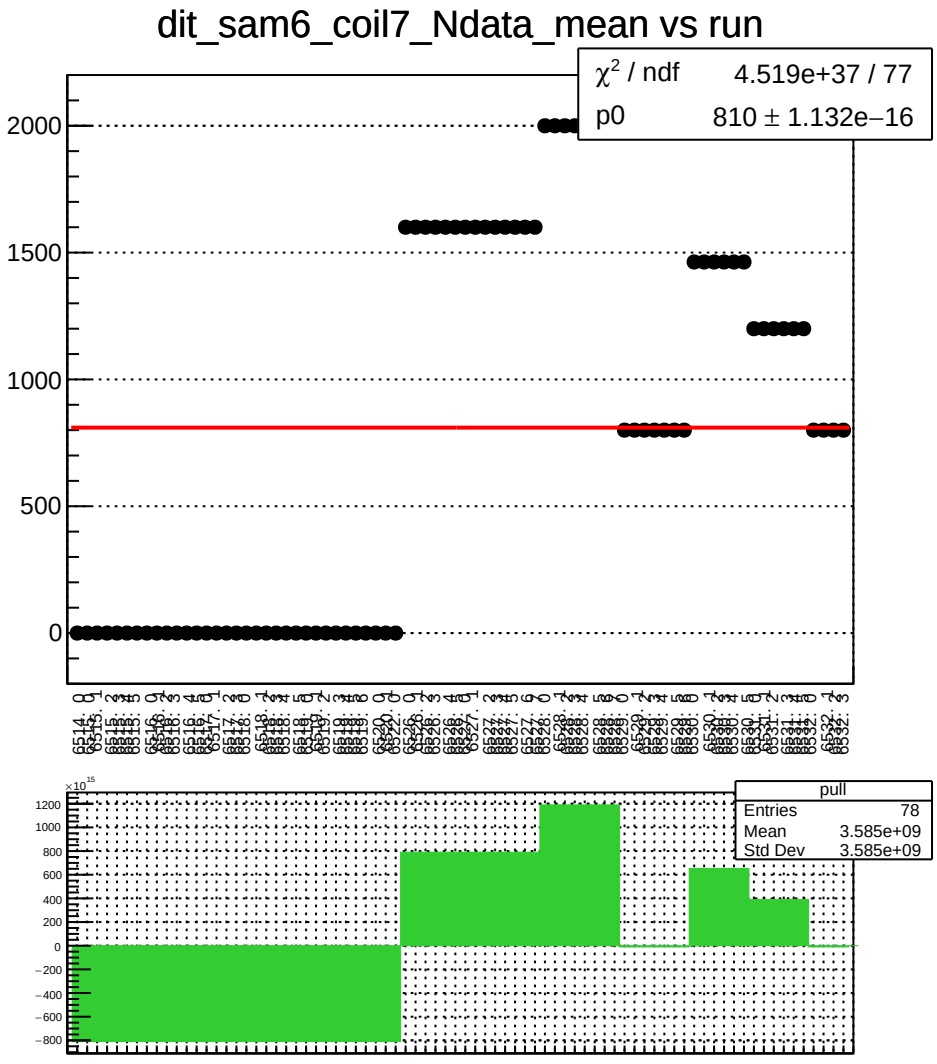

dit_sam6_coil7_mean vs run
χ² / ndf 9.222e+36 / 77
p0 275.7 ± 1.132e−16
1000
800
600
400
200
0
−200
pull
Entries 78
Mean 1.998e+09
Std Dev 1.998e+09
×10¹⁵
600
400
200
0
−200
−400

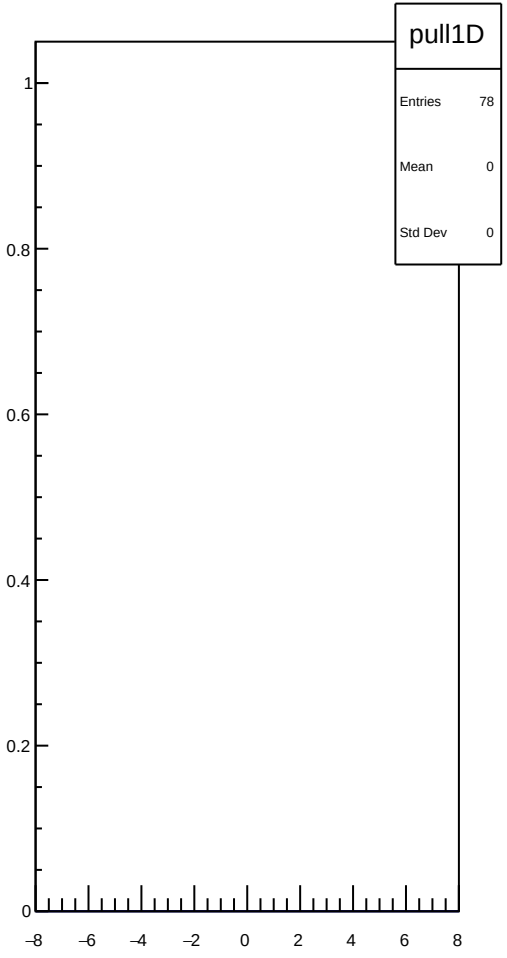

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

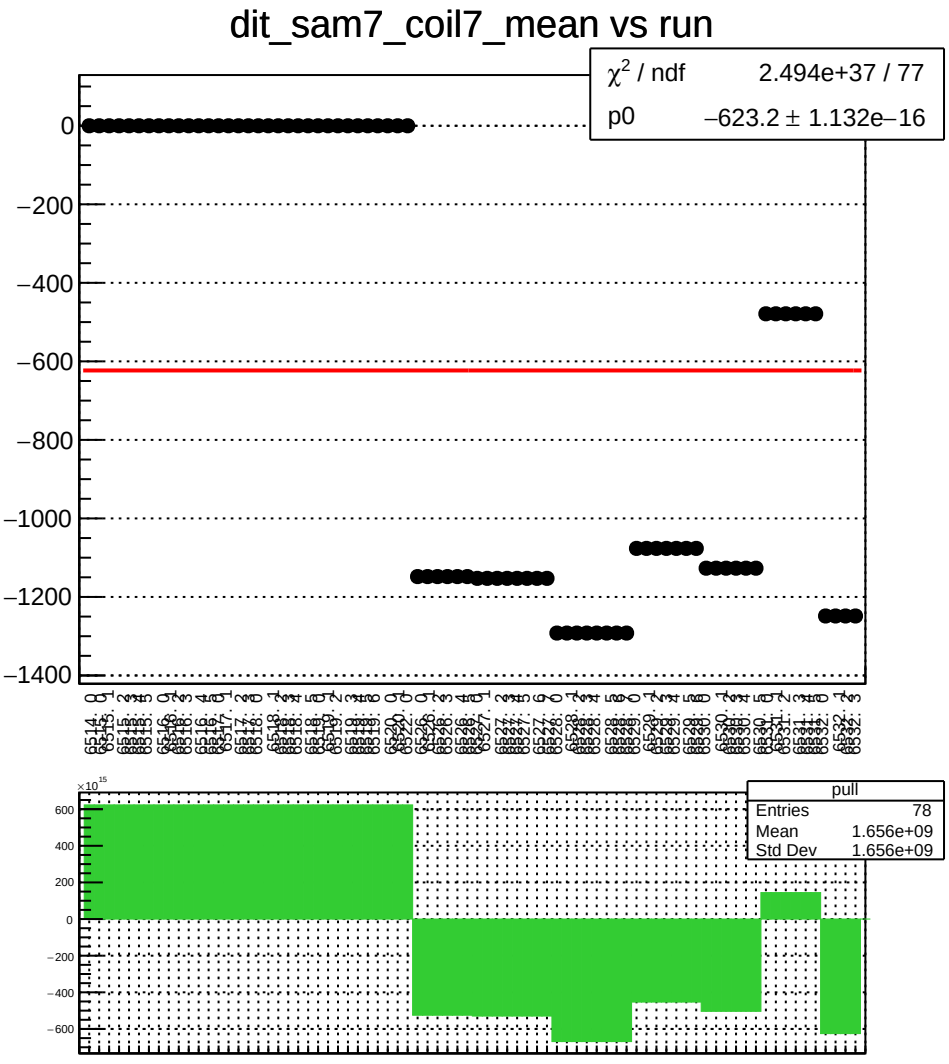
dit_sam6_coil7_err_mean vs run

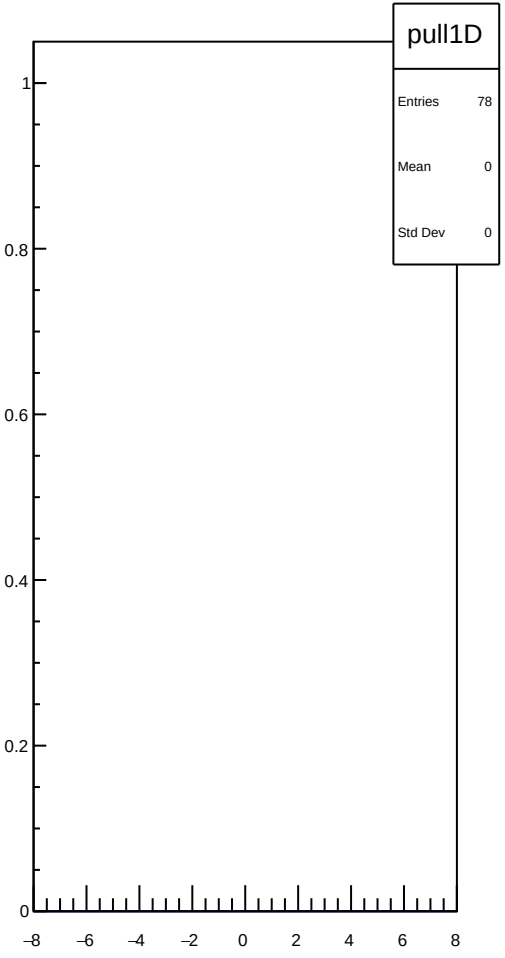


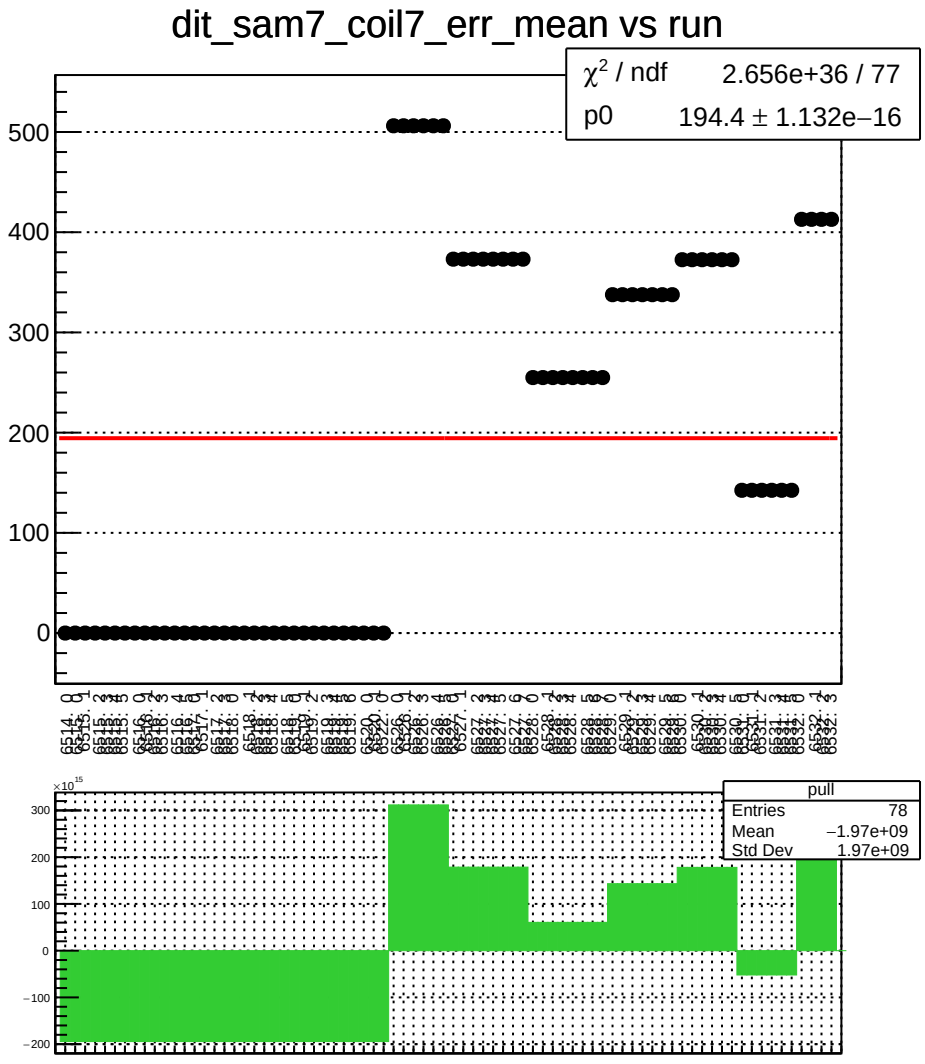


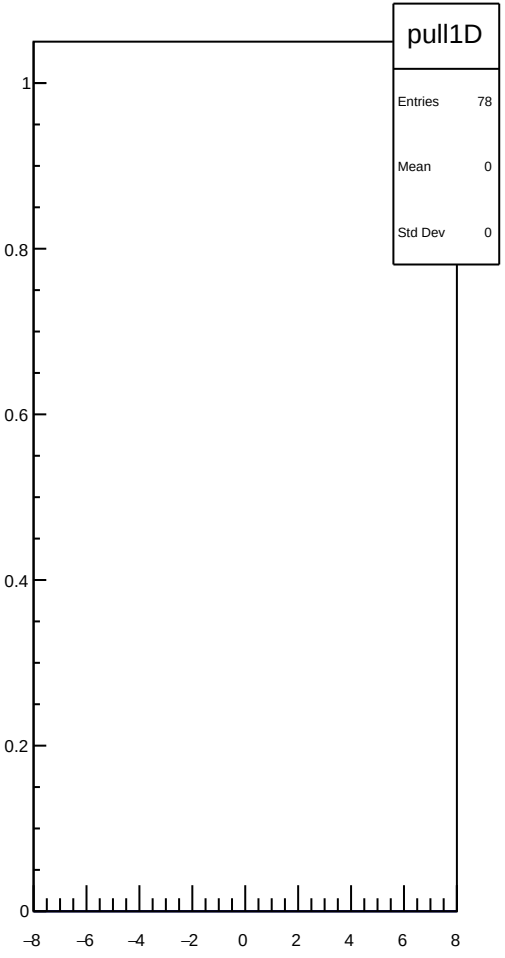

dit_sam6_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
1200
1000
800
600
400
200
0
−200
−400
−600
−800

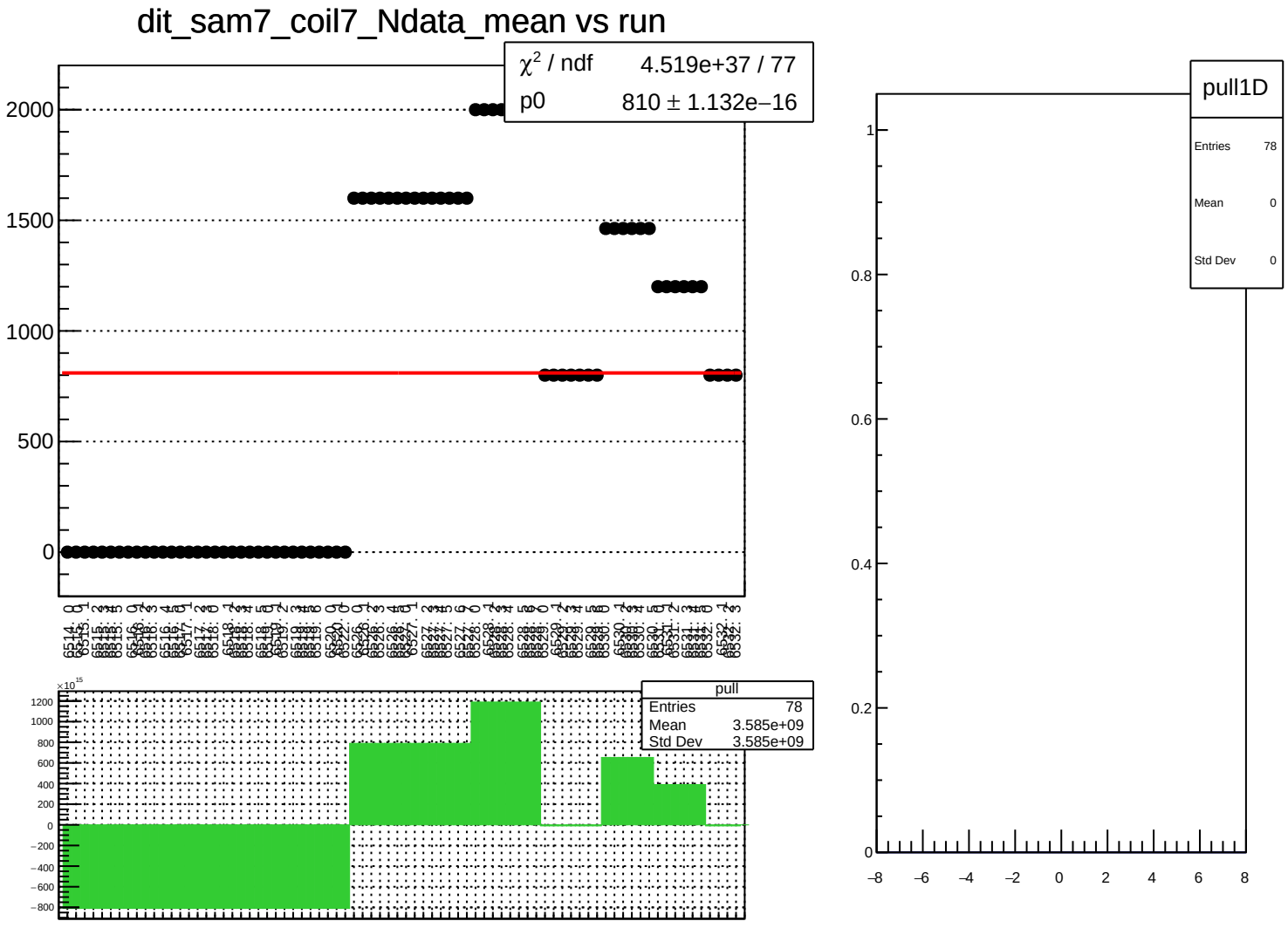

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

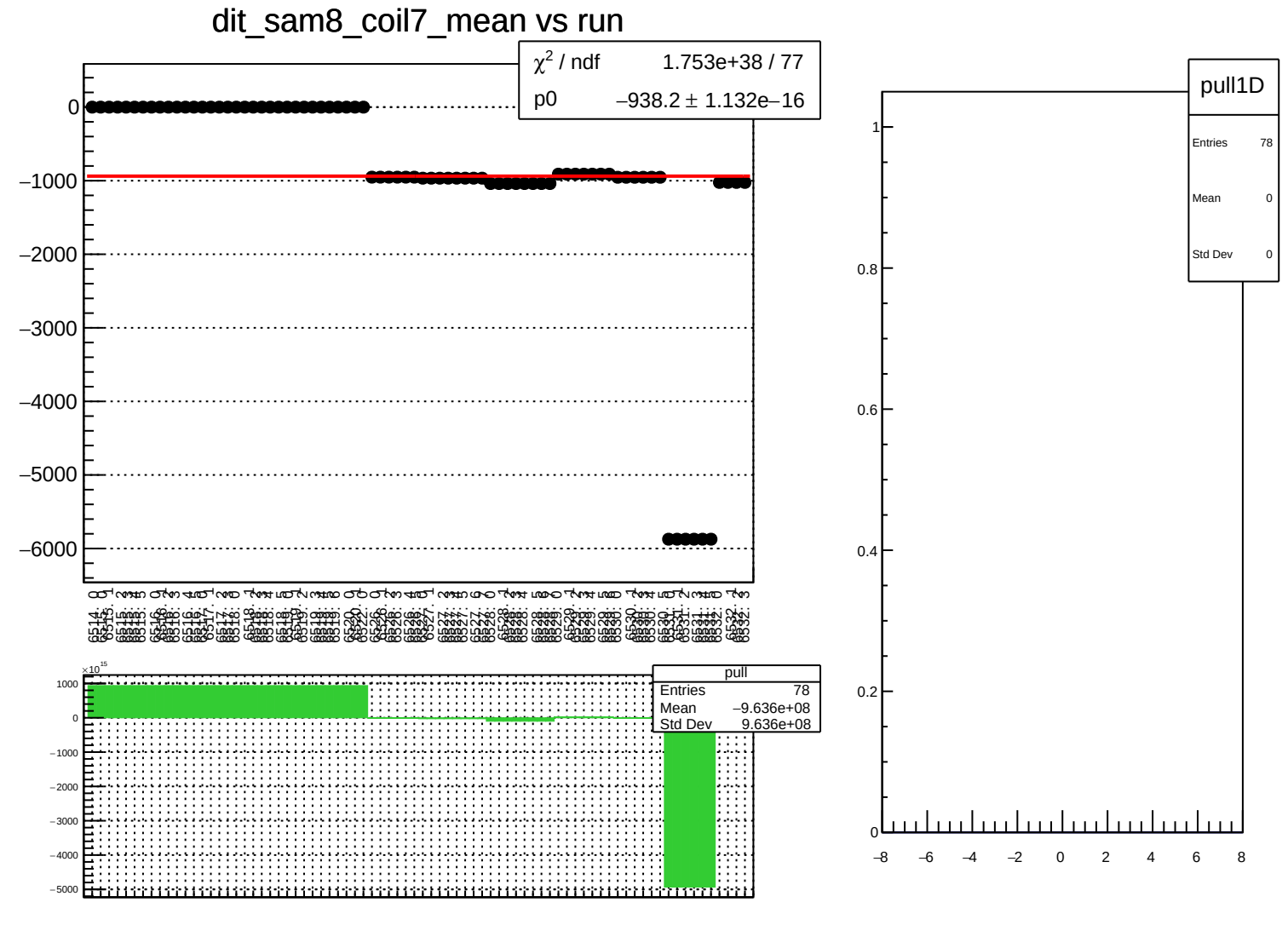

dit_sam7_coil7_mean vs run
χ^2 / ndf 2.494e+37 / 77
p0 −623.2 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 78
Mean 1.656e+09
Std Dev 1.656e+09
×10^15
600
400
200
0
−200
−400
−600

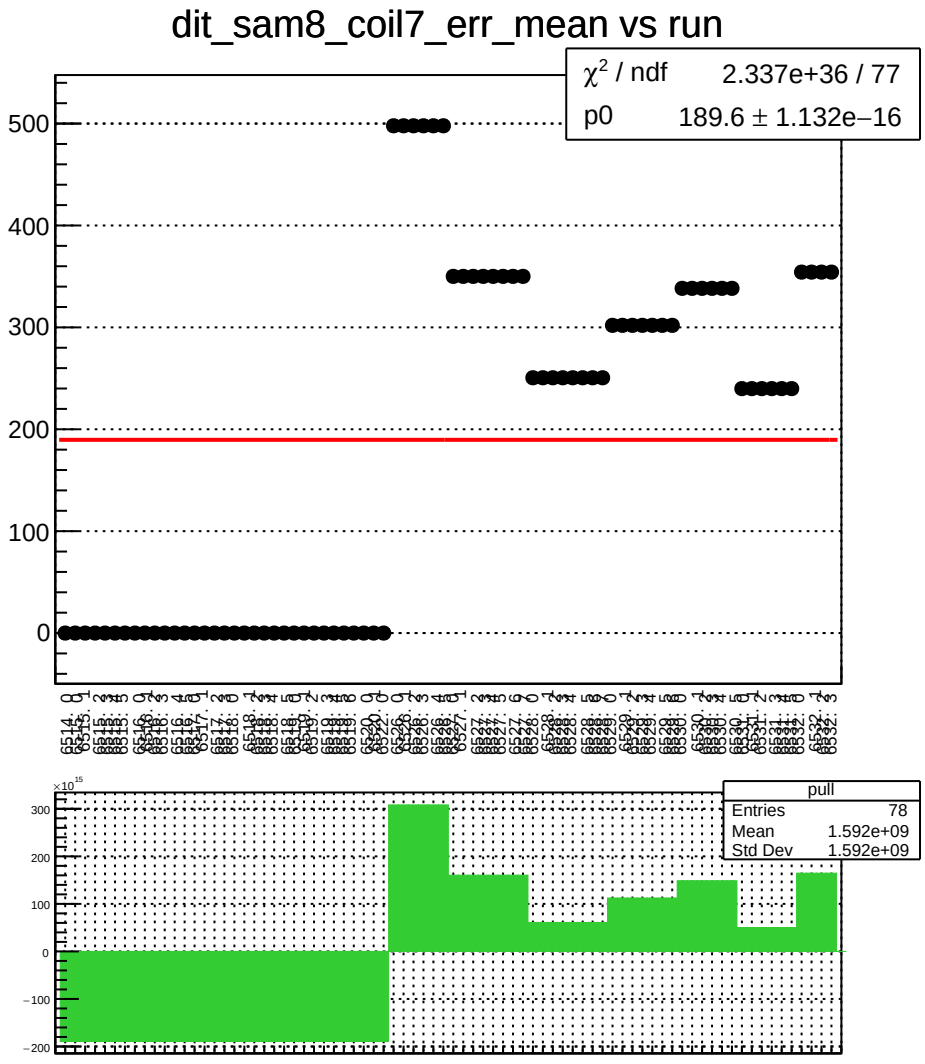

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

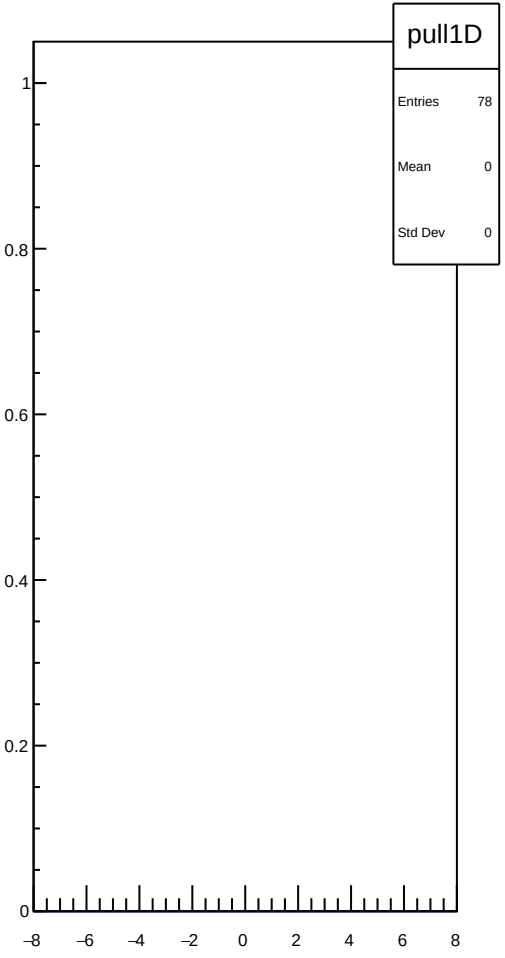

dit_sam7_coil7_err_mean vs run
χ² / ndf 2.656e+36 / 77
p0 194.4 ± 1.132e−16
pull
Entries 78
Mean −1.97e+09
Std Dev 1.97e+09

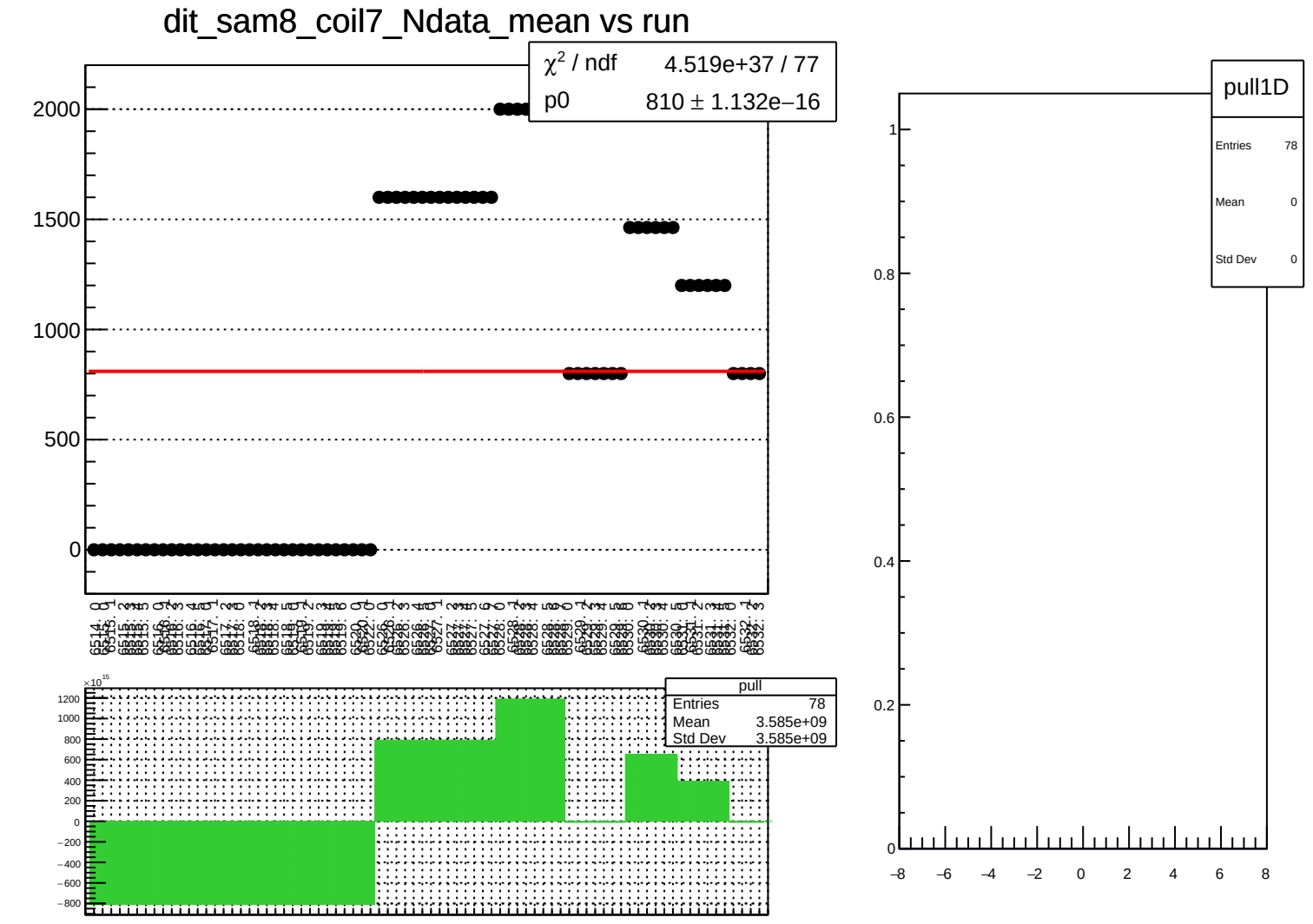

pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

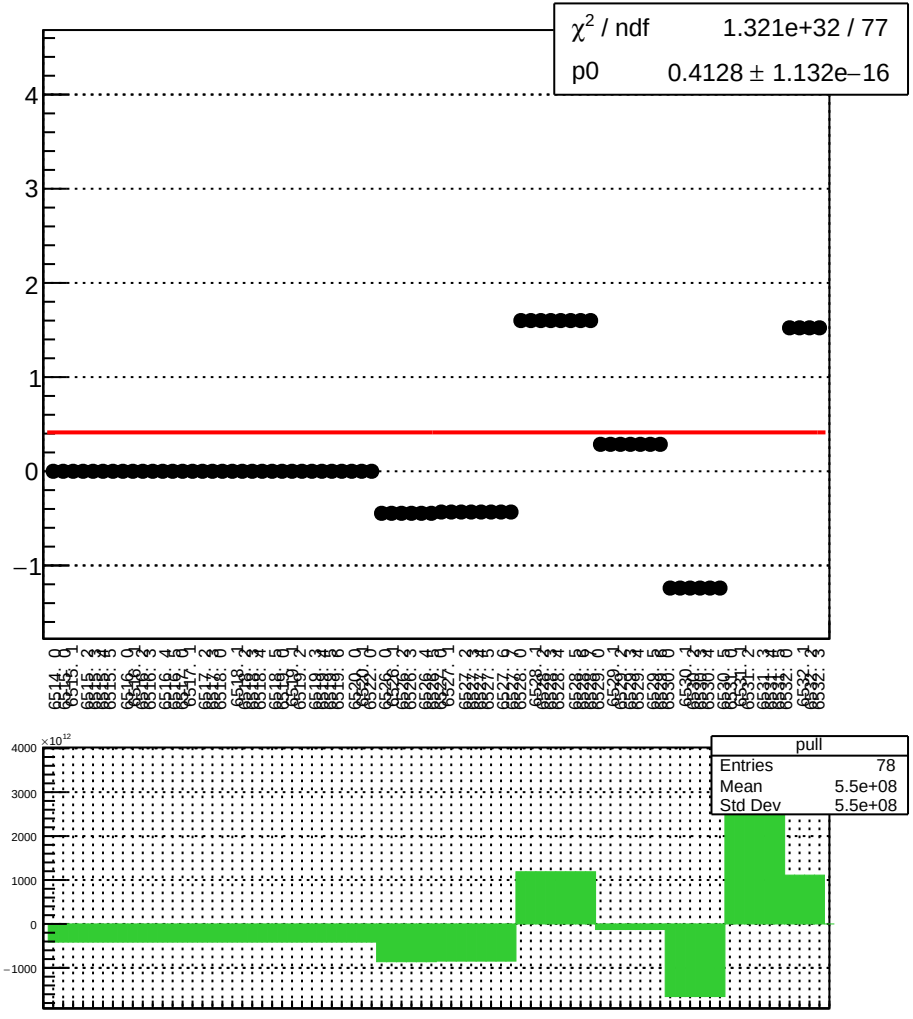

dit_sam8_coil7_mean vs run
χ^2 / ndf 1.753e+38 / 77
p0 −938.2 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 78
Mean −9.636e+08
Std Dev 9.636e+08
×10^15
1000
0
−1000
−2000
−3000
−4000
−5000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

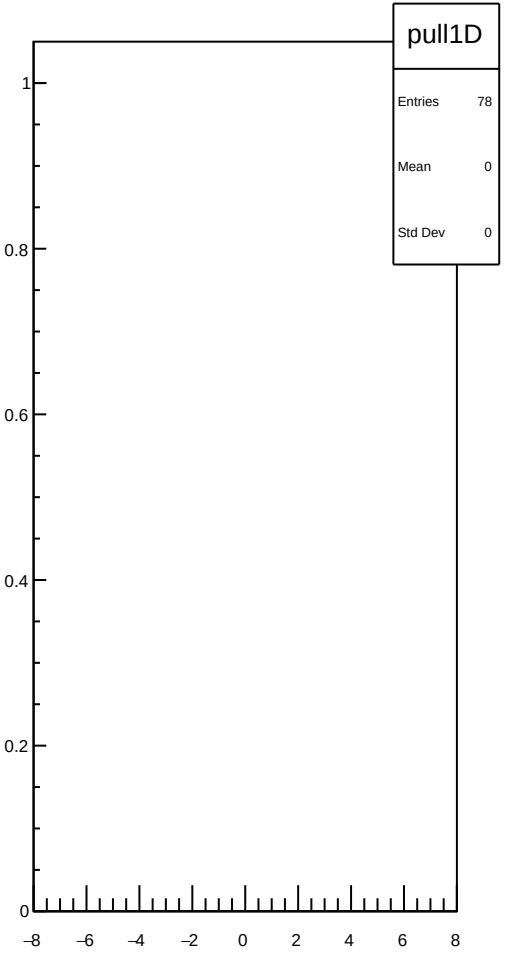

dit_sam8_coil7_err_mean vs run
χ^2 / ndf 2.337e+36 / 77
p0 189.6 ± 1.132e−16
pull
Entries 78
Mean 1.592e+09
Std Dev 1.592e+09

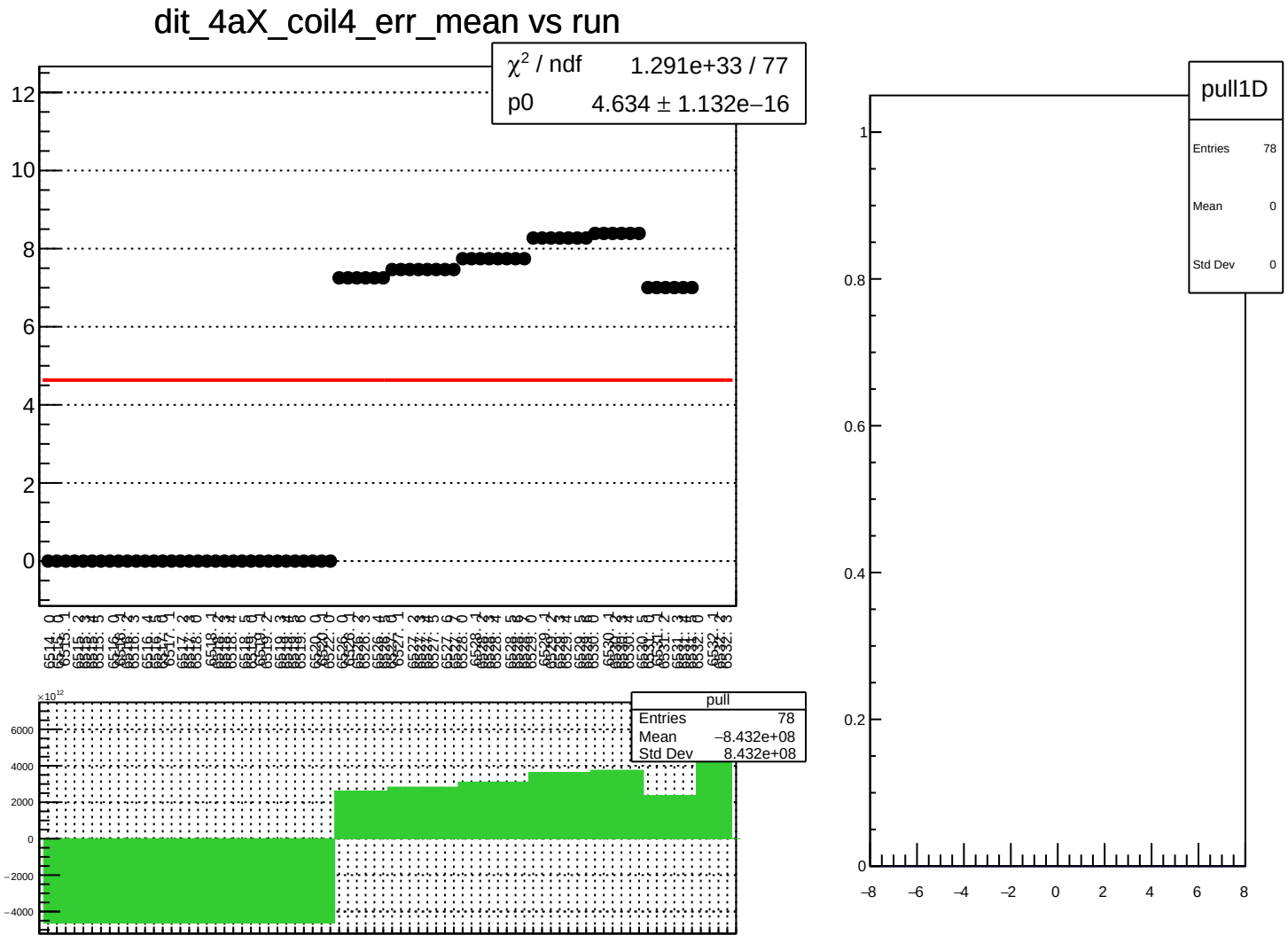

pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 4.519e+37 / 77
p0 810 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 3.585e+09
Std Dev 3.585e+09
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

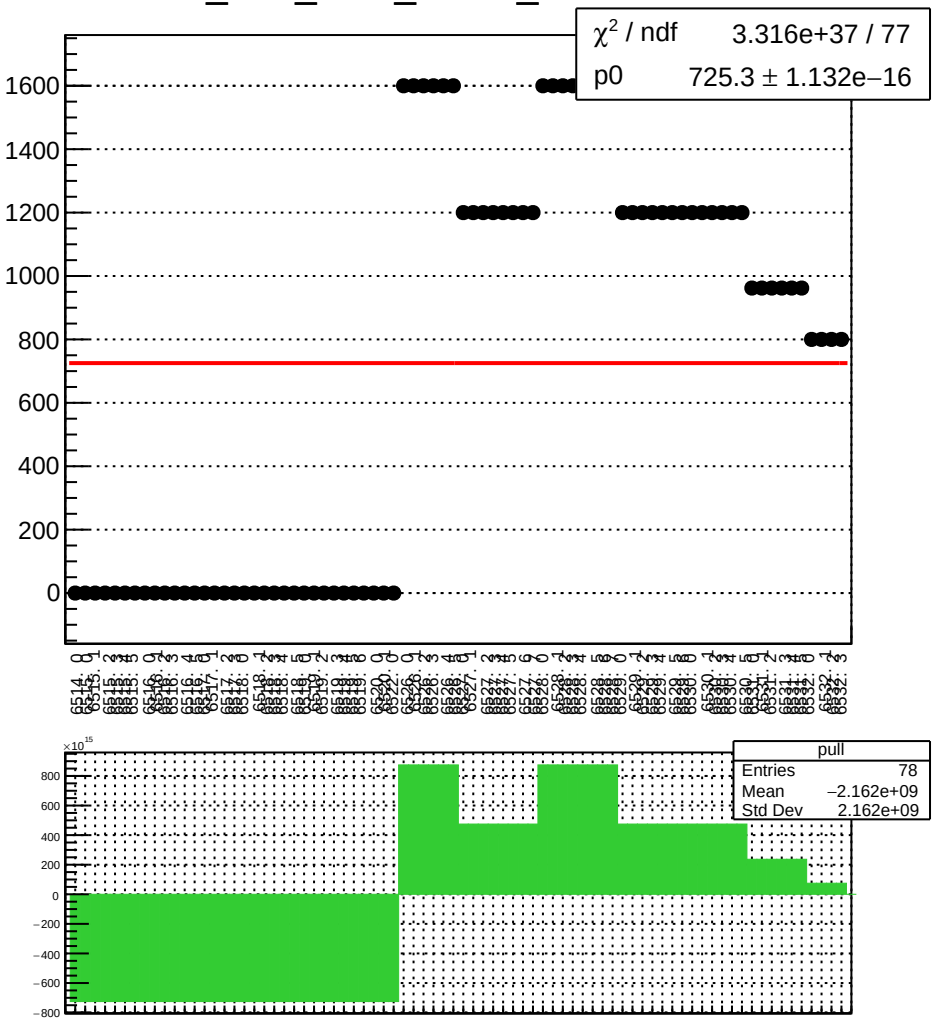
dit_4aX_coil4_mean vs run

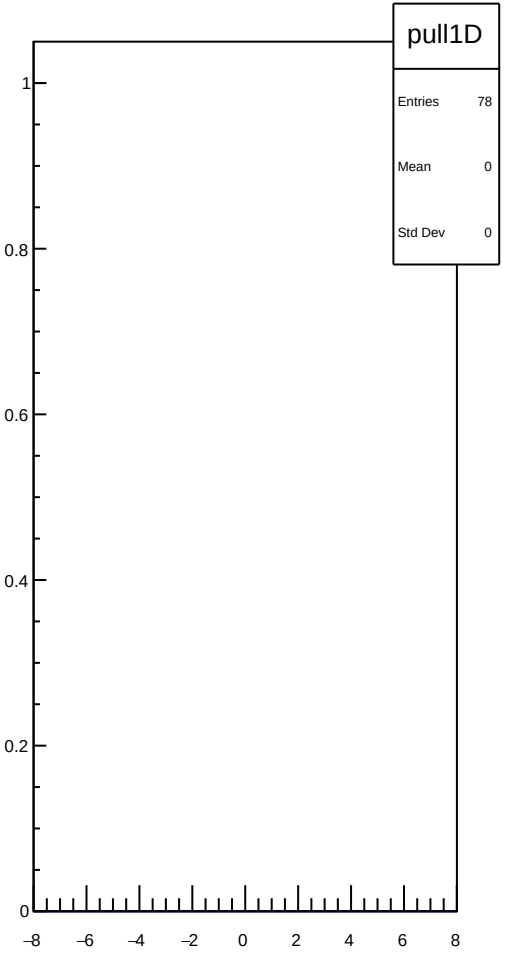


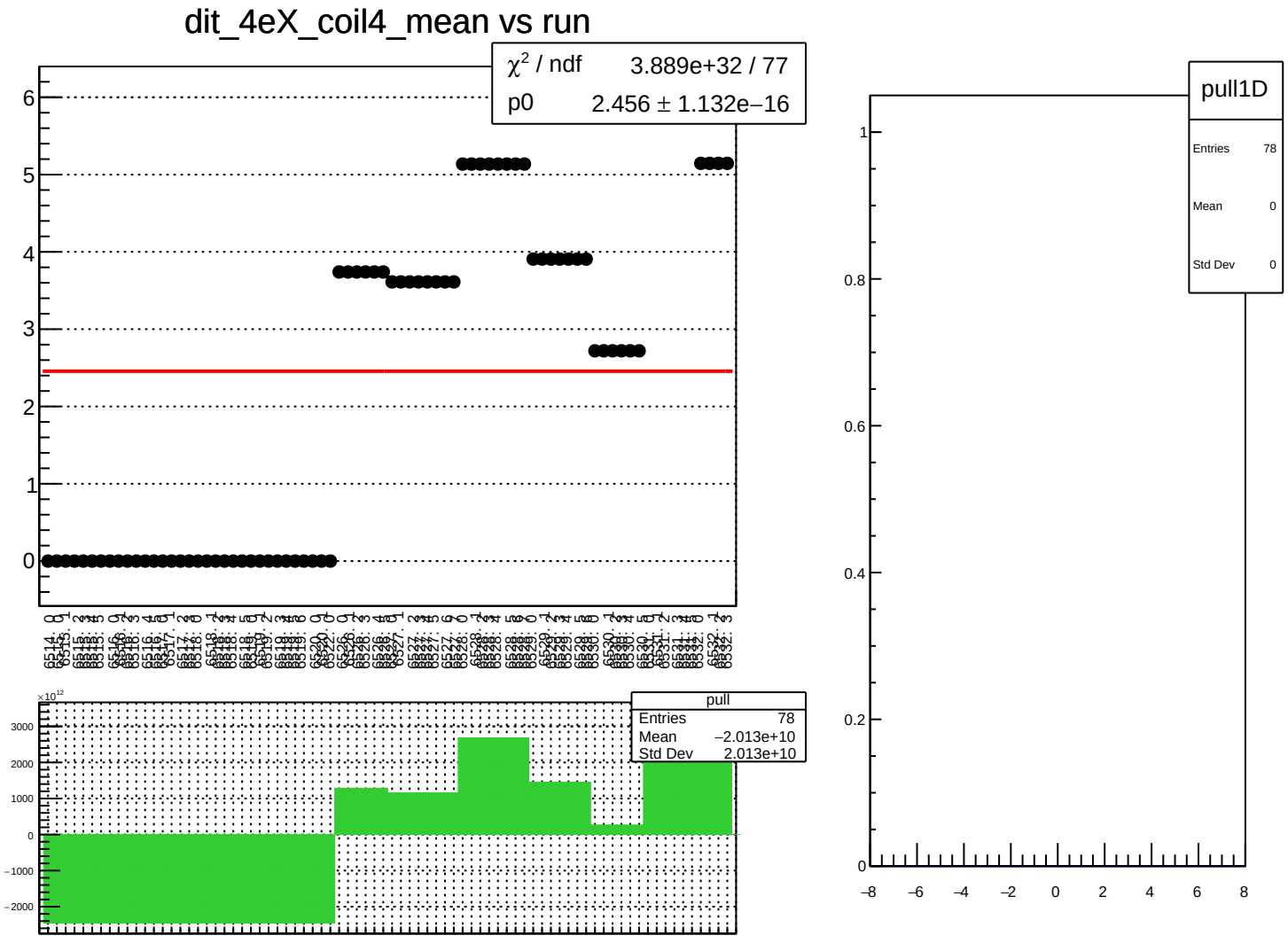



dit_4aX_coil4_err_mean vs run
χ² / ndf 1.291e+33 / 77
p0 4.634 ± 1.132e−16
pull
Entries 78
Mean −8.432e+08
Std Dev 8.432e+08
pull1D
Entries 78
Mean 0
Std Dev 0

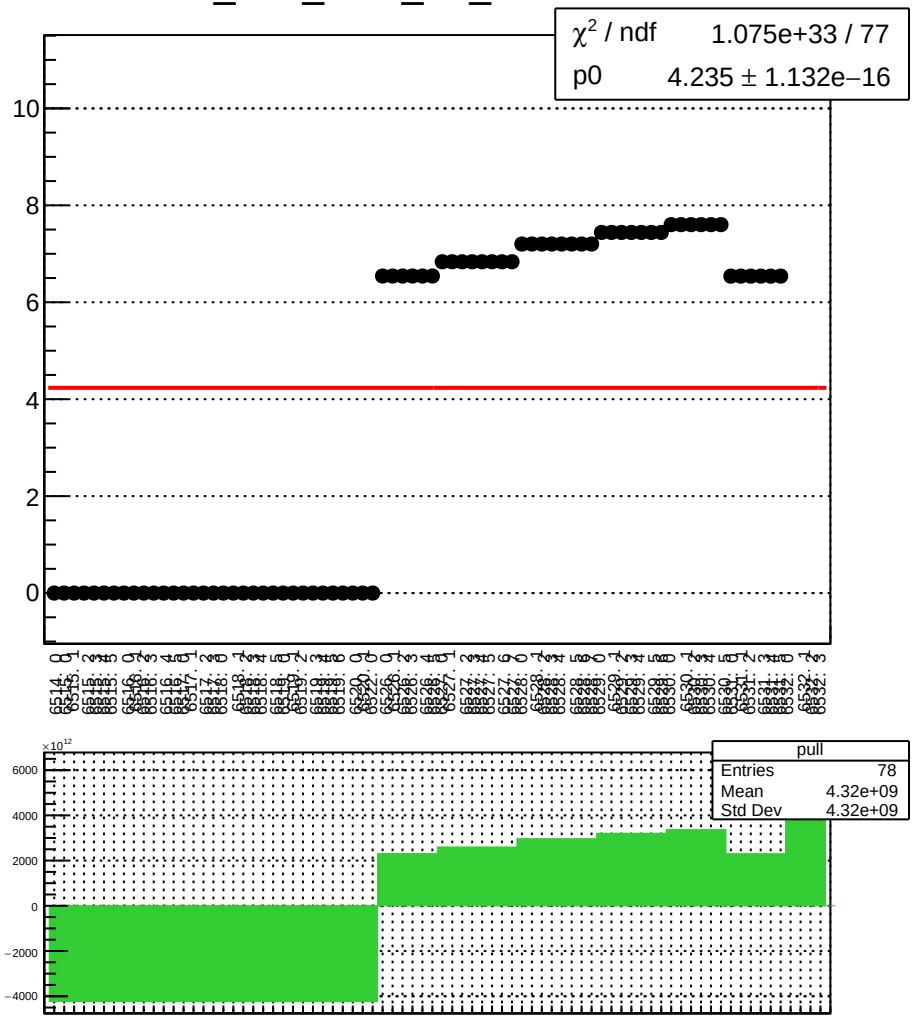
dit_4aX_coil4_Ndata_mean vs run

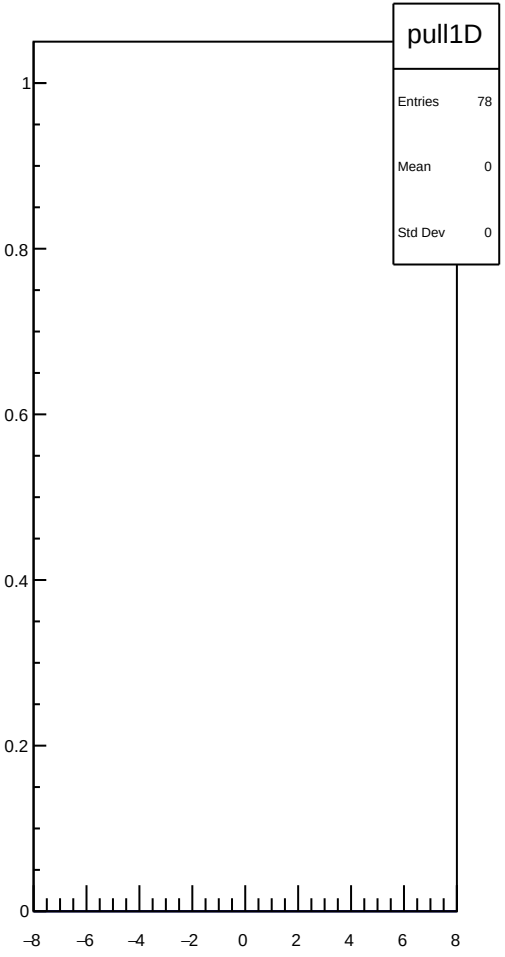




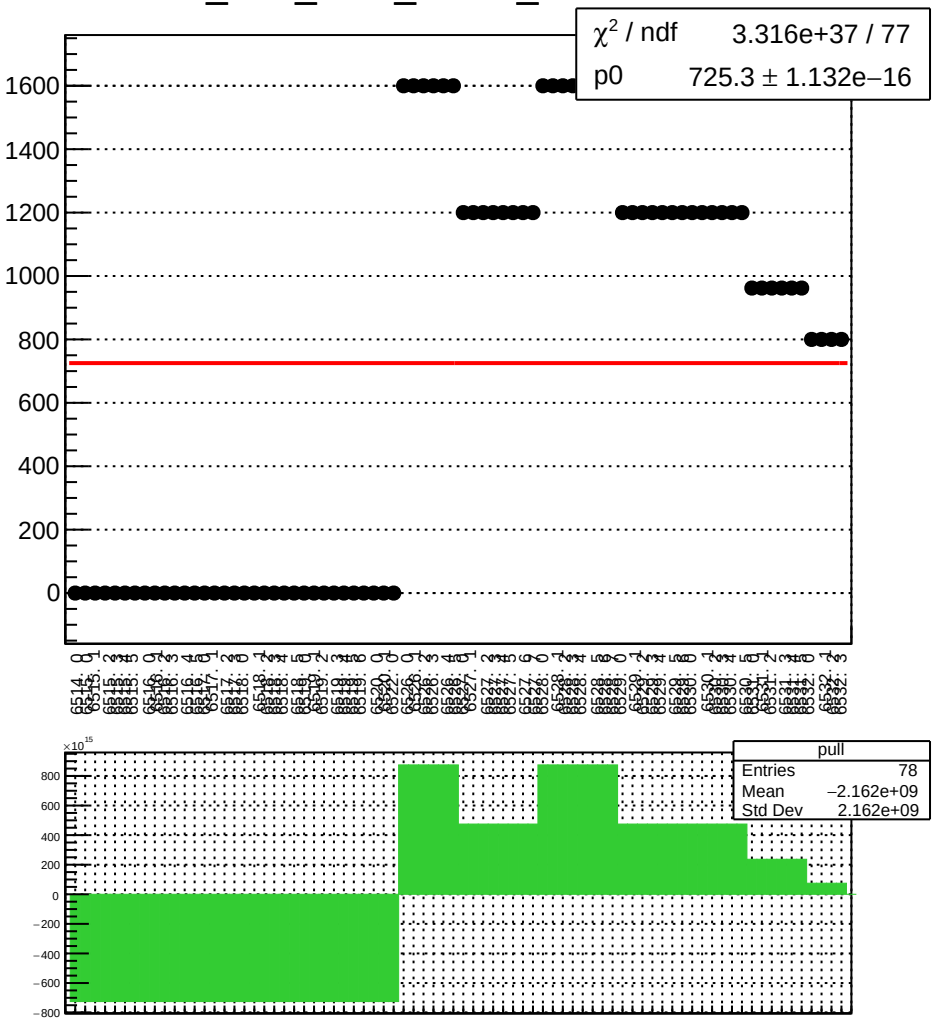

dit_4eX_coil4_mean vs run
χ² / ndf 3.889e+32 / 77
p0 2.456 ± 1.132e−16
pull
Entries 78
Mean −2.013e+10
Std Dev 2.013e+10
pull1D
Entries 78
Mean 0
Std Dev 0

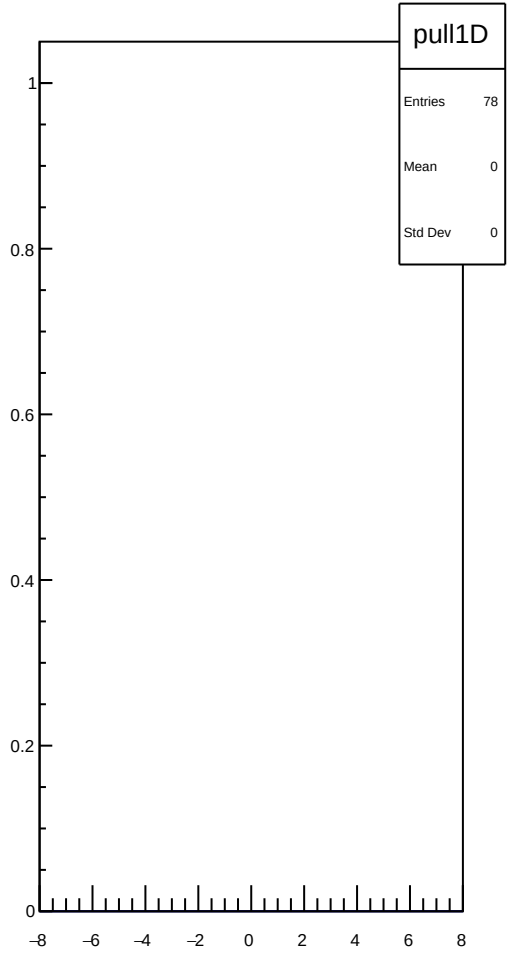
dit_4eX_coil4_err_mean vs run



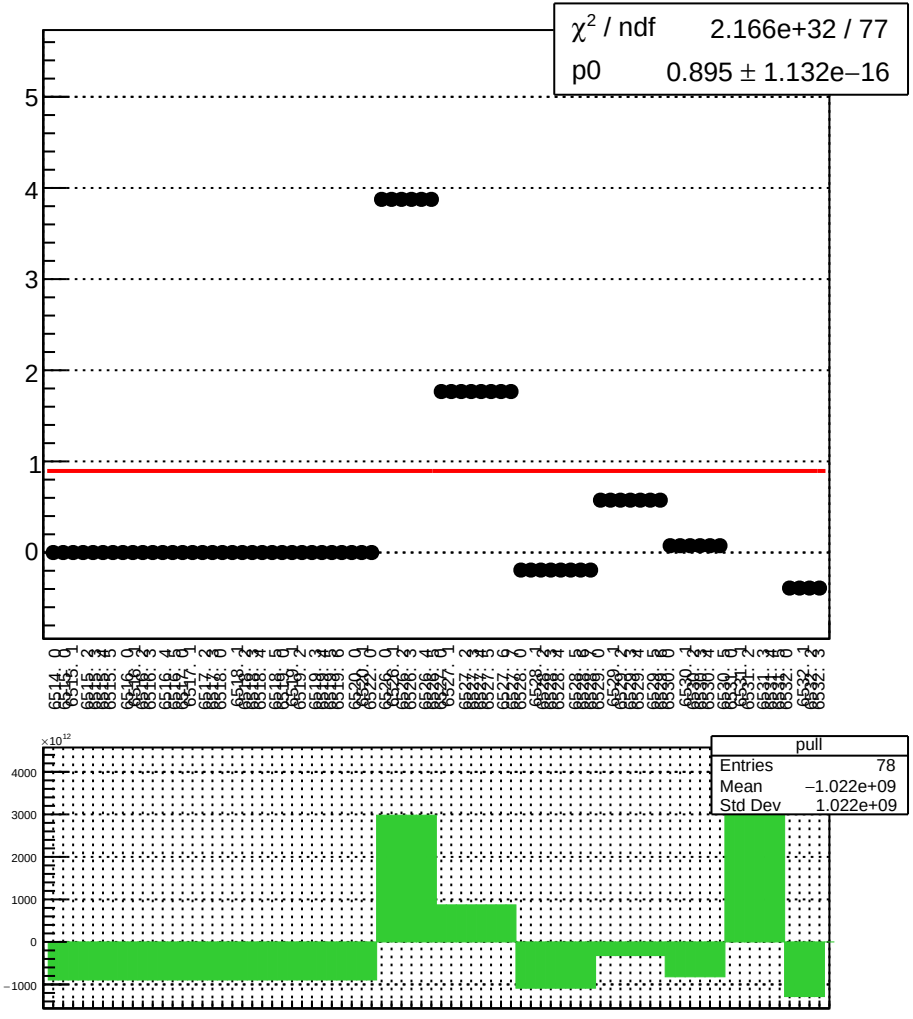


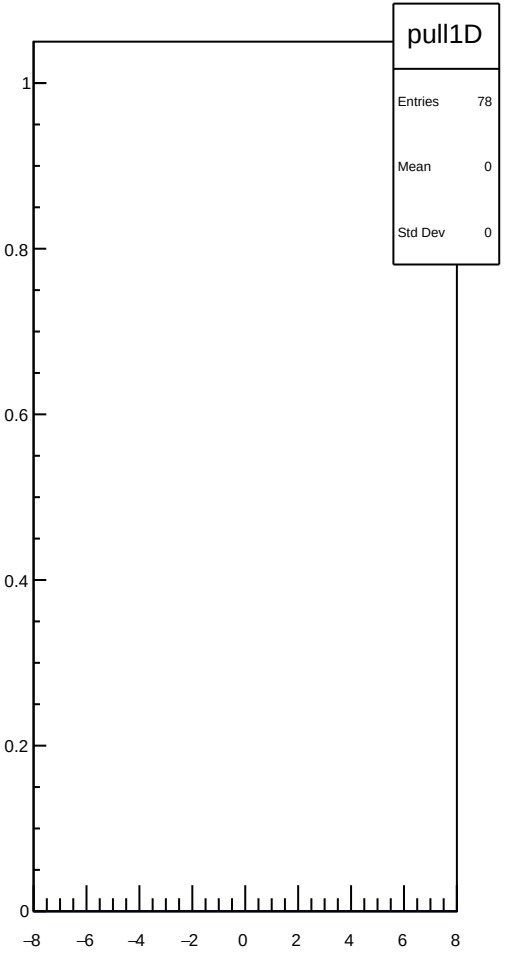
dit_4eX_coil4_Ndata_mean vs run

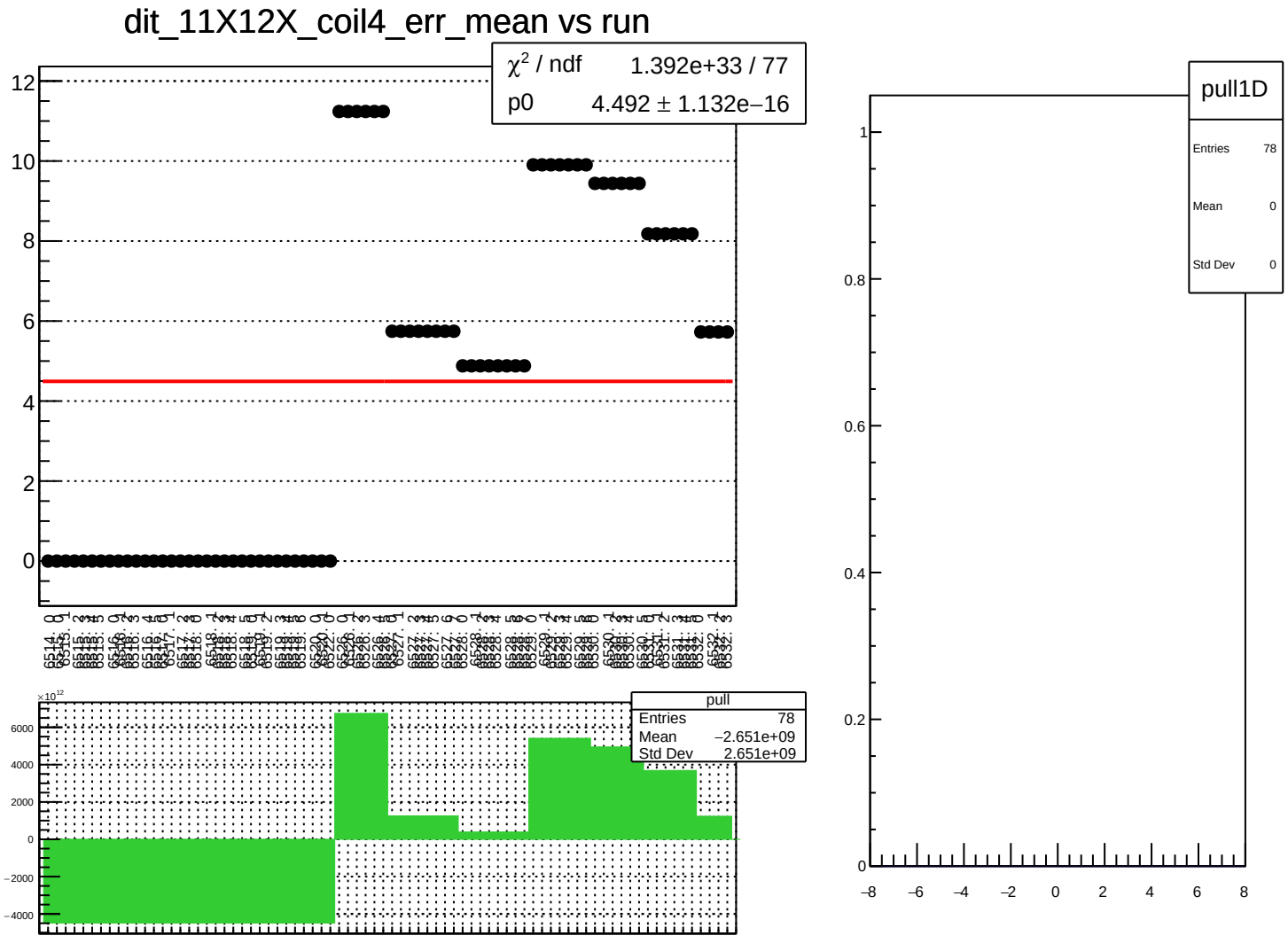




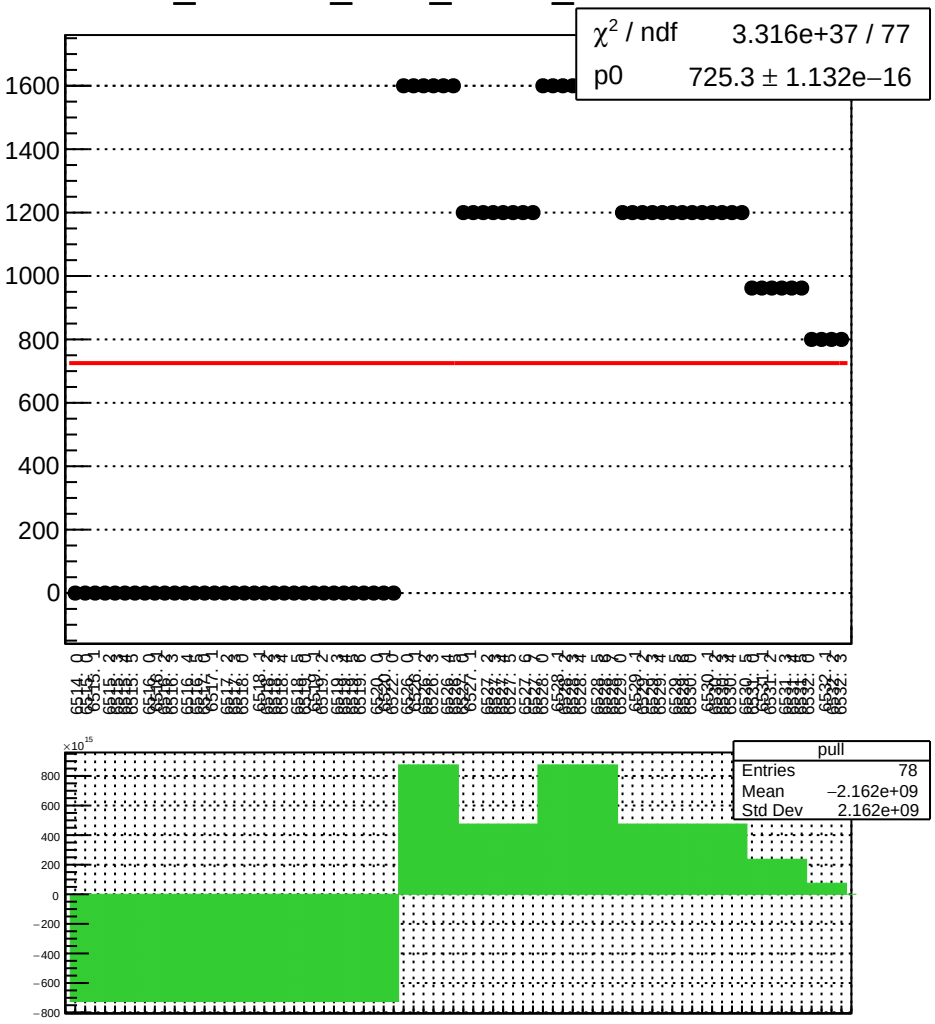
dit_11X12X_coil4_mean vs run

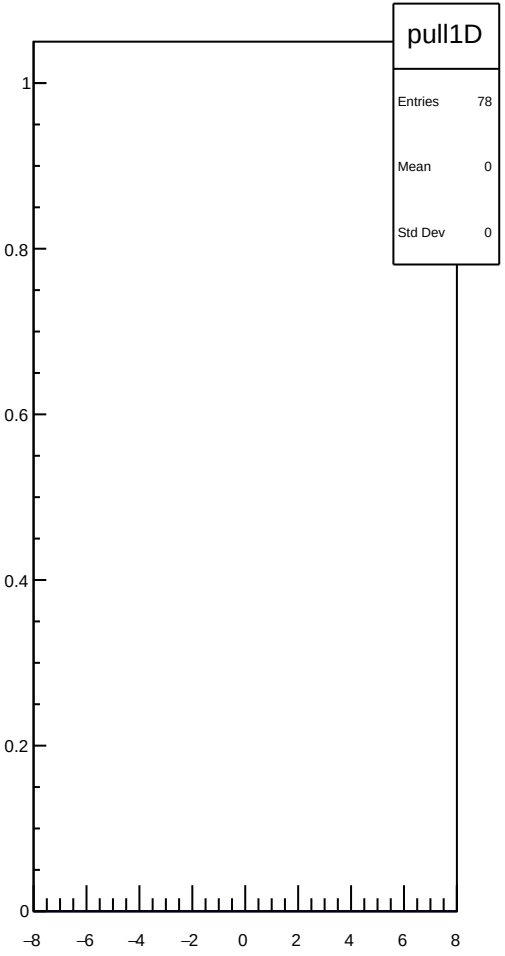


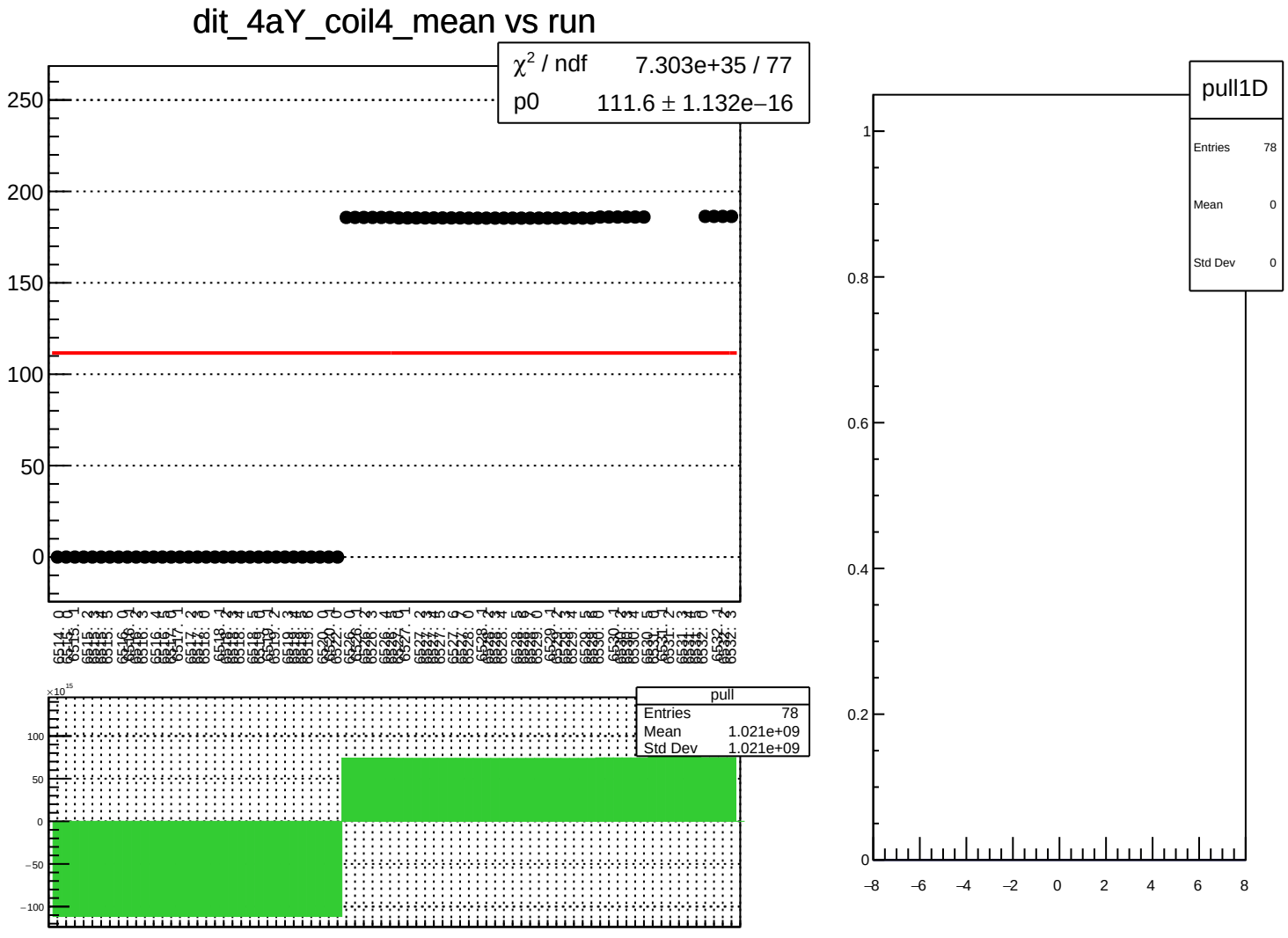



dit_11X12X_coil4_err_mean vs run
χ^2 / ndf 1.392e+33 / 77
p0 4.492 ± 1.132e−16
pull
Entries 78
Mean −2.651e+09
Std Dev 2.651e+09
pull1D
Entries 78
Mean 0
Std Dev 0

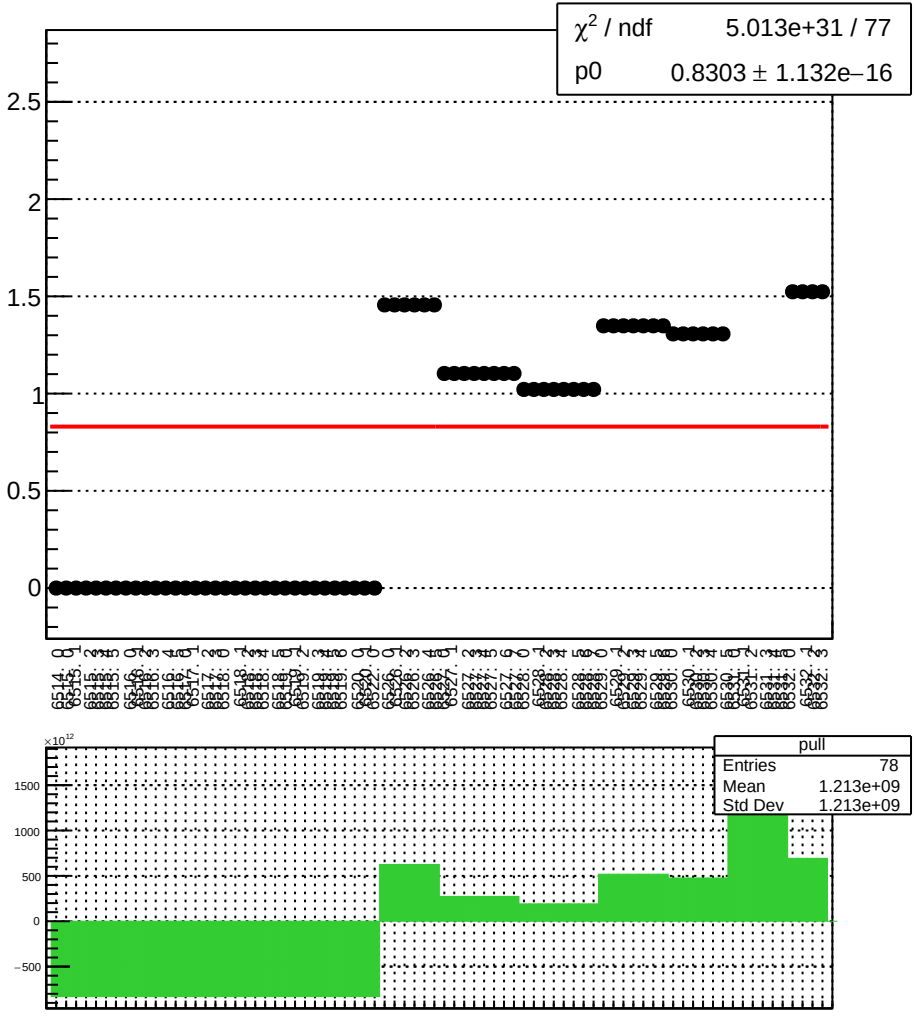
dit_11X12X_coil4_Ndata_mean vs run

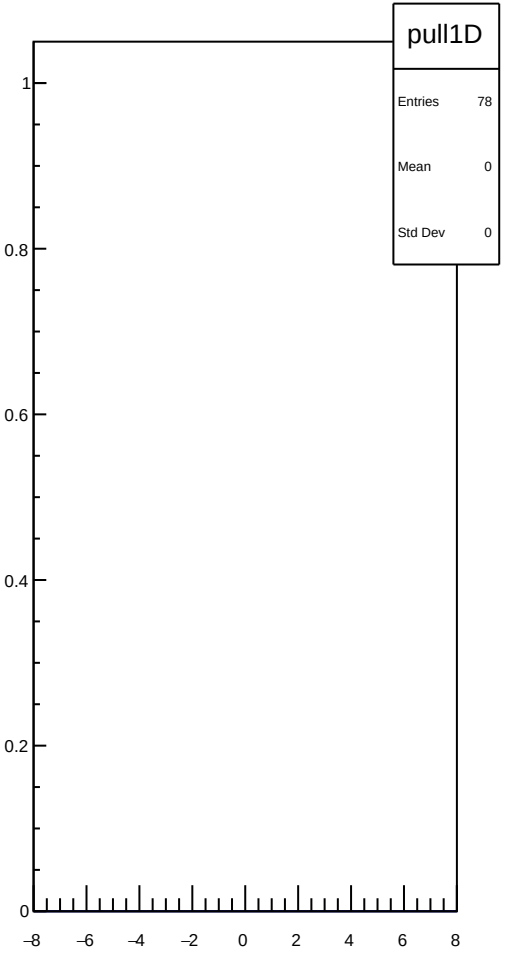




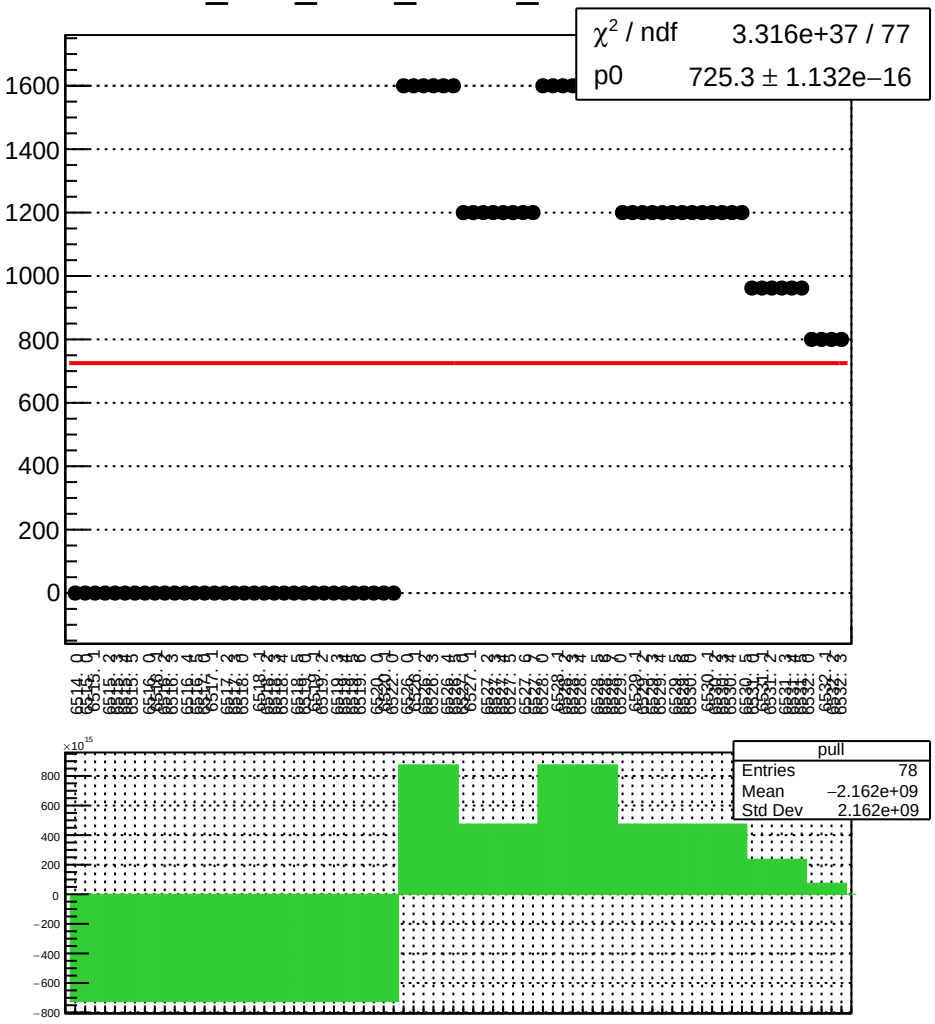

dit_4aY_coil4_mean vs run
χ² / ndf 7.303e+35 / 77
p0 111.6 ± 1.132e−16
pull
Entries 78
Mean 1.021e+09
Std Dev 1.021e+09
pull1D
Entries 78
Mean 0
Std Dev 0

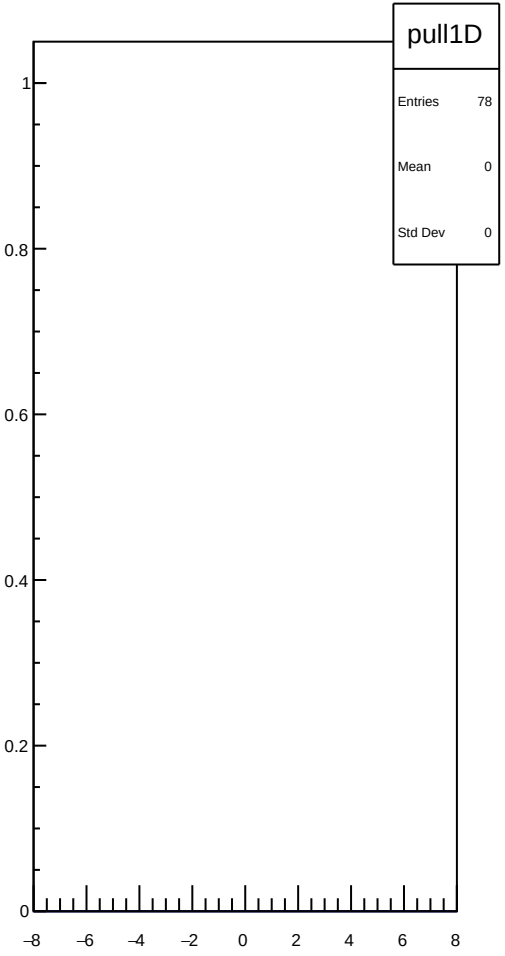
dit_4aY_coil4_err_mean vs run

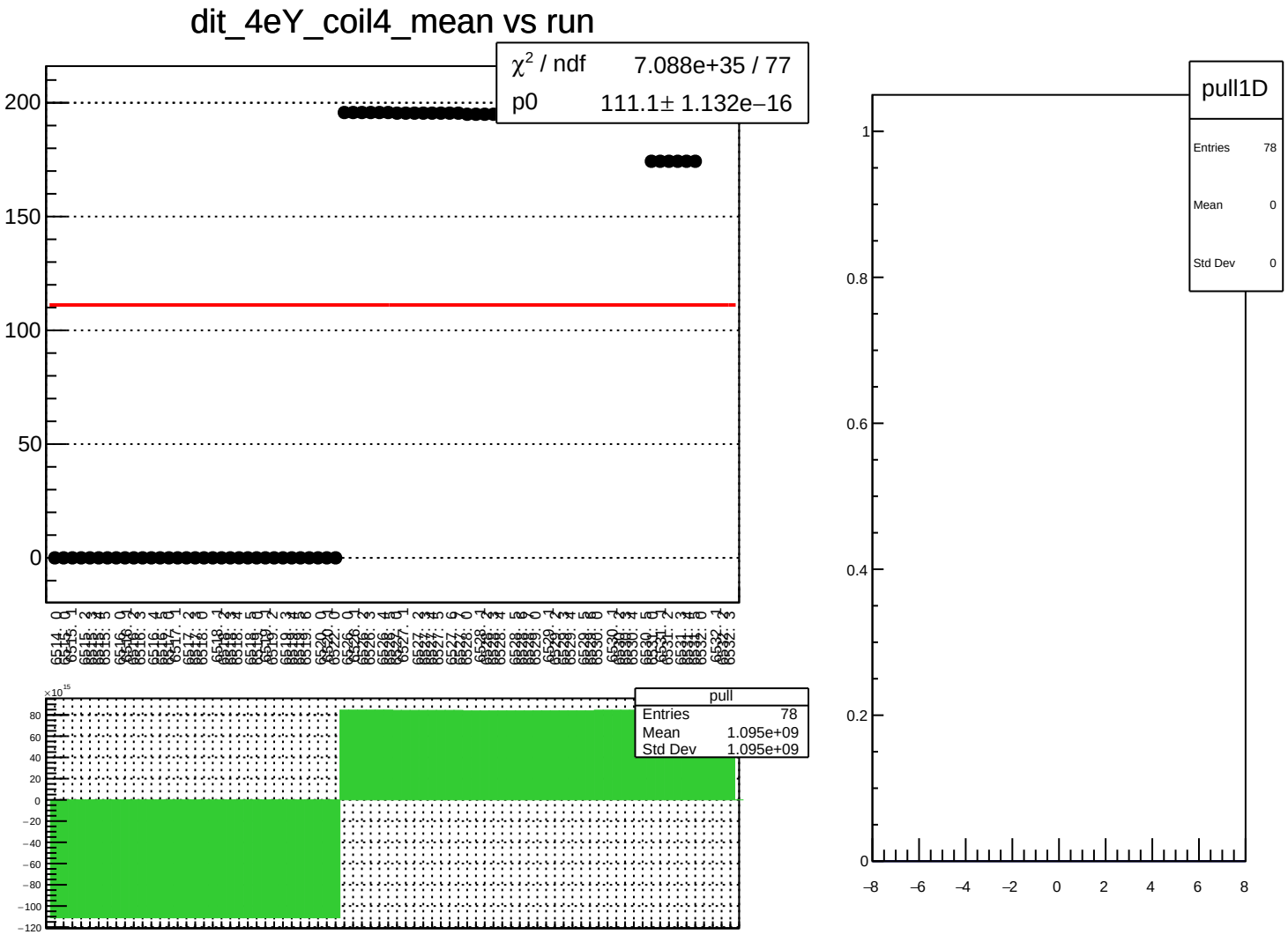




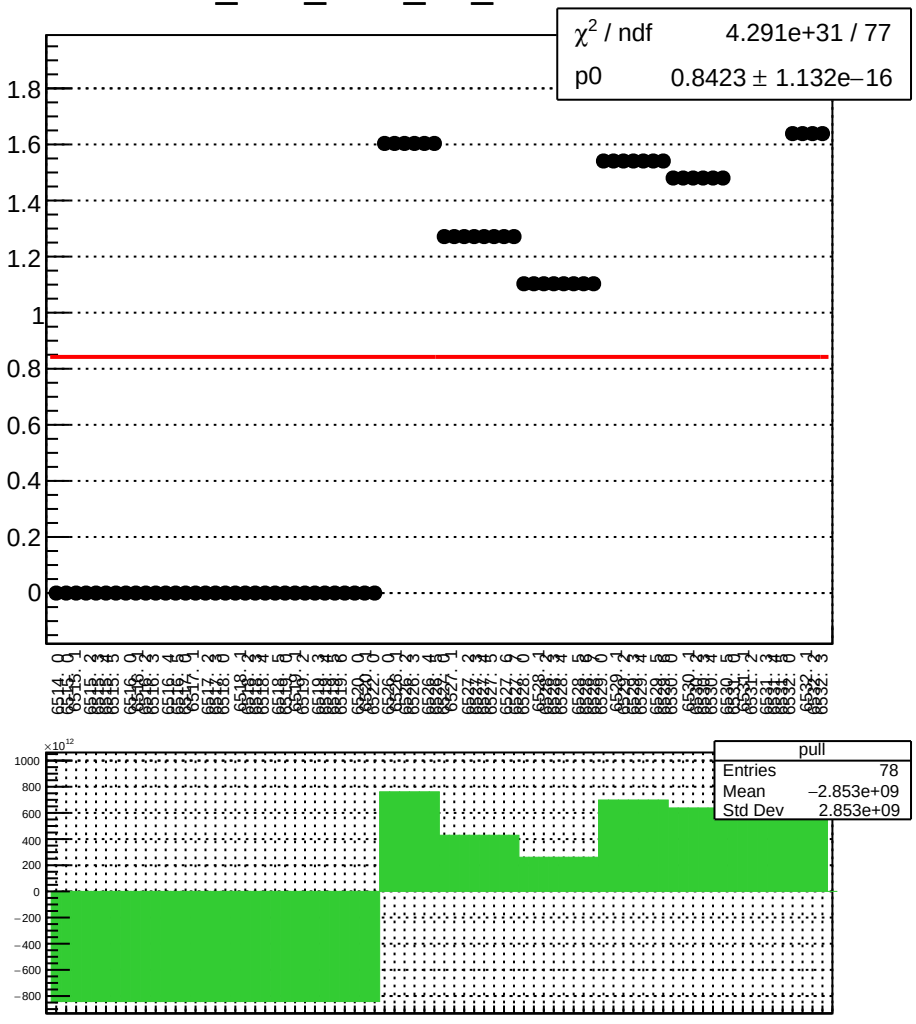
dit_4aY_coil4_Ndata_mean vs run

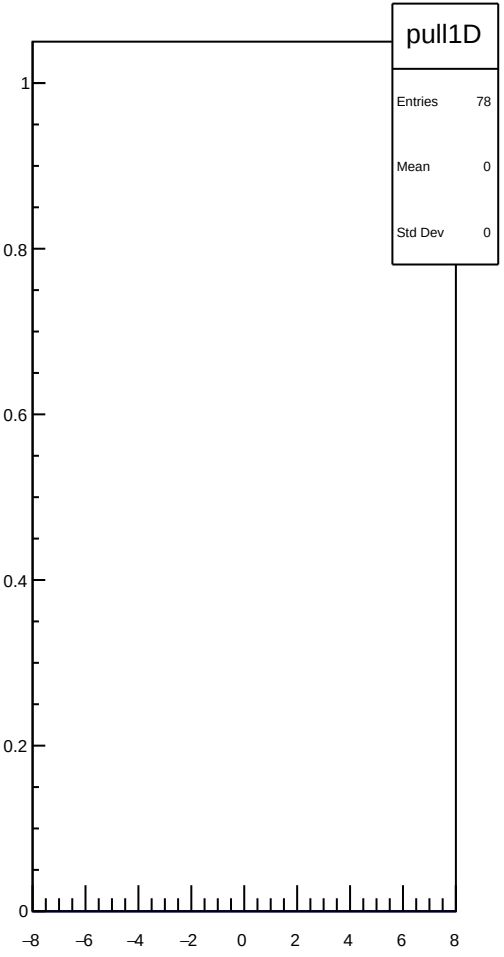




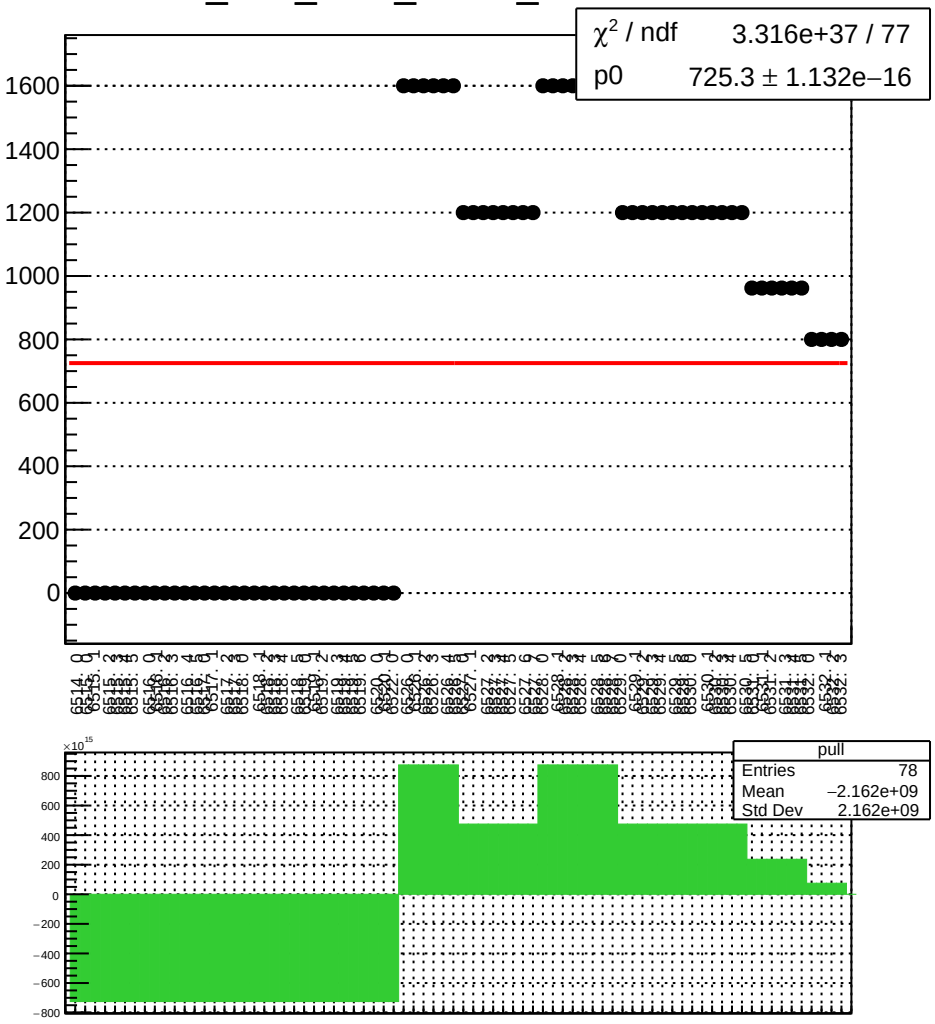

dit_4eY_coil4_mean vs run
χ^2 / ndf 7.088e+35 / 77
p0 111.1± 1.132e−16
pull
Entries 78
Mean 1.095e+09
Std Dev 1.095e+09
pull1D
Entries 78
Mean 0
Std Dev 0

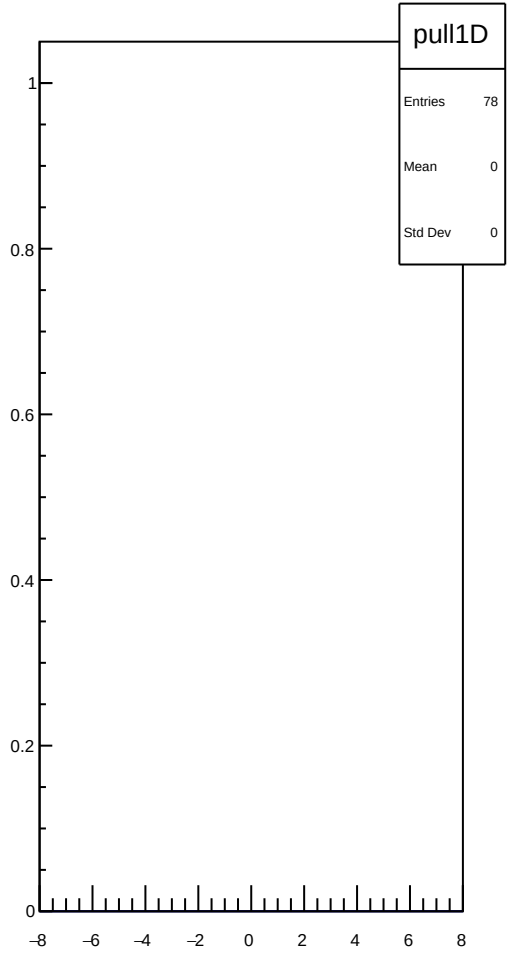
dit_4eY_coil4_err_mean vs run

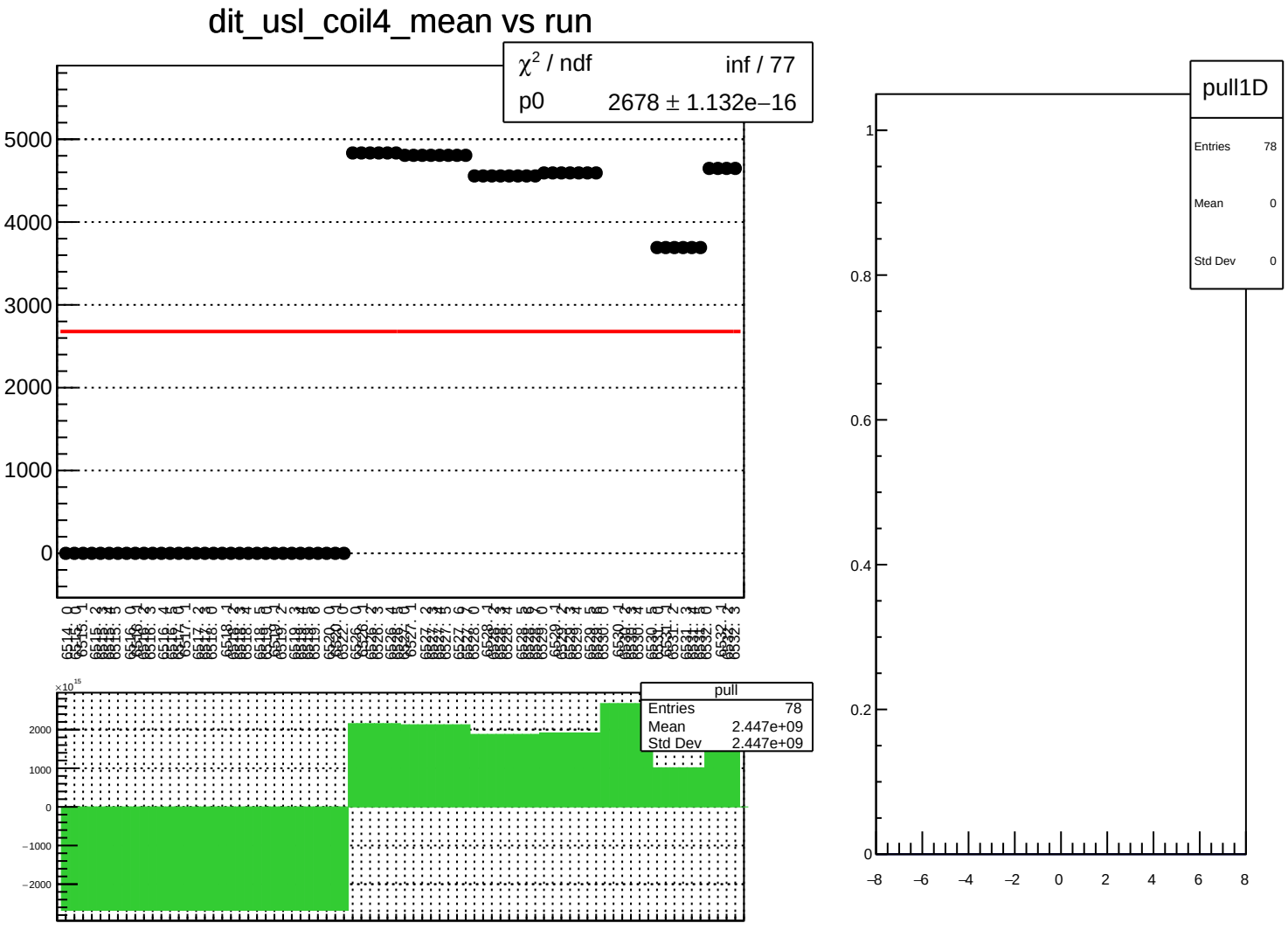


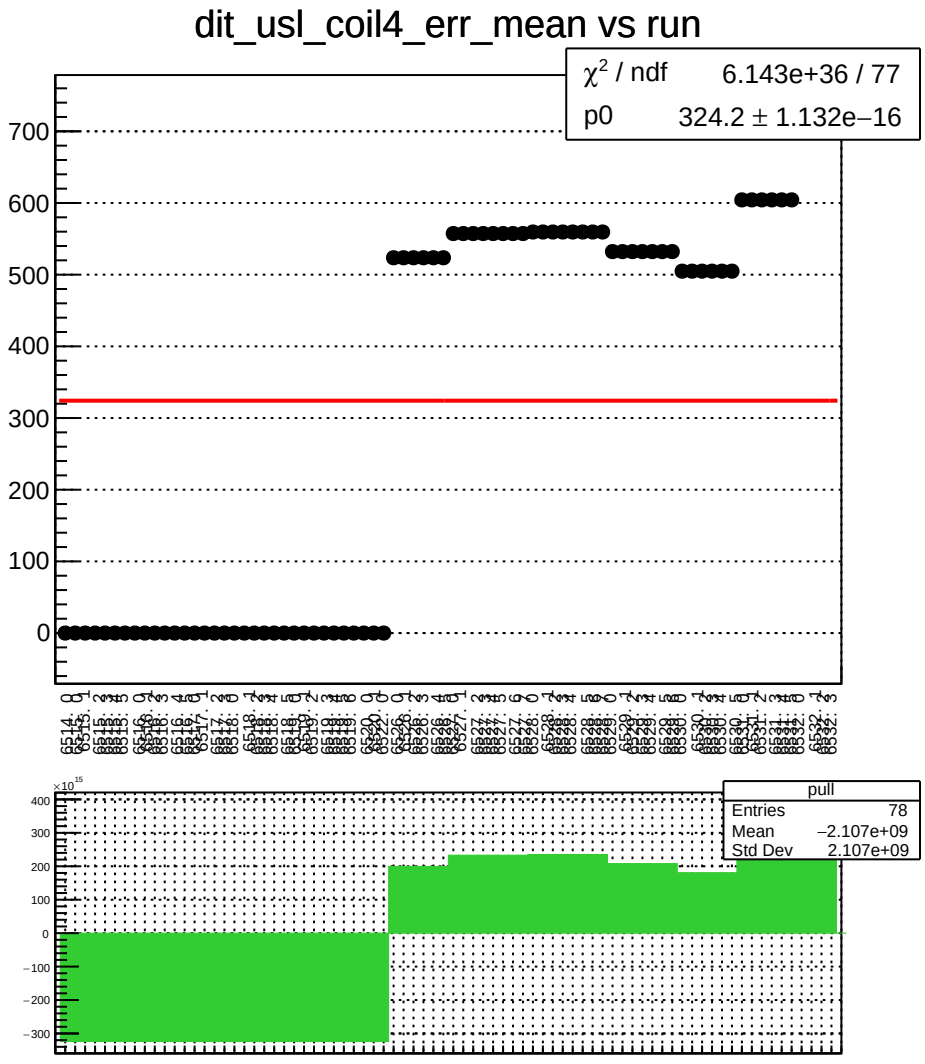


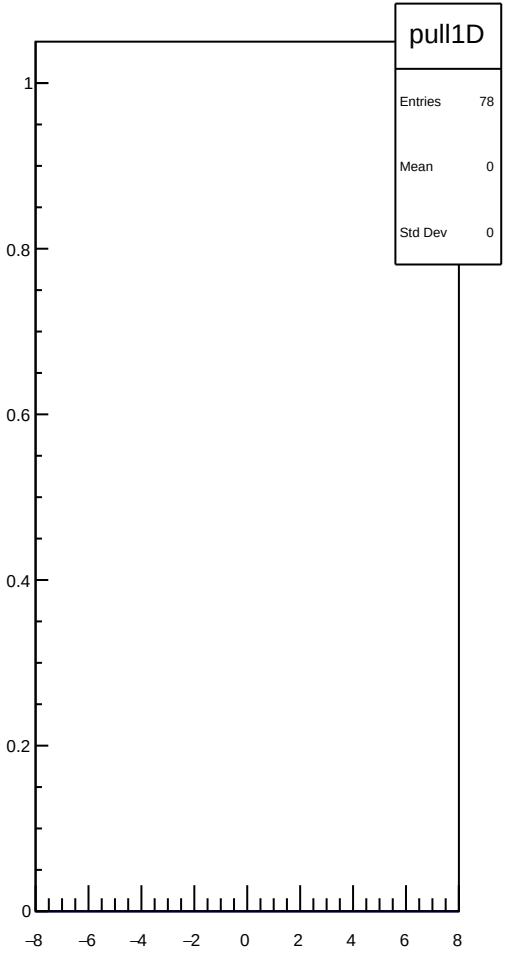
dit_4eY_coil4_Ndata_mean vs run



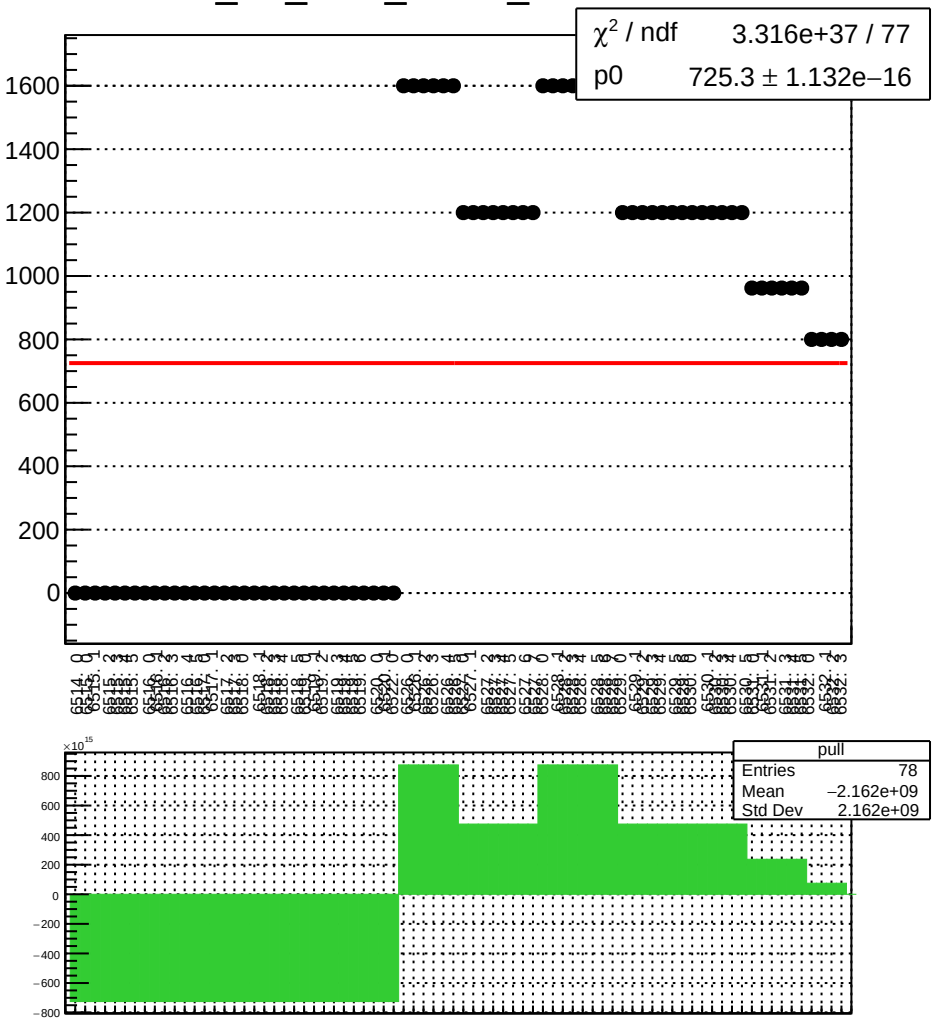


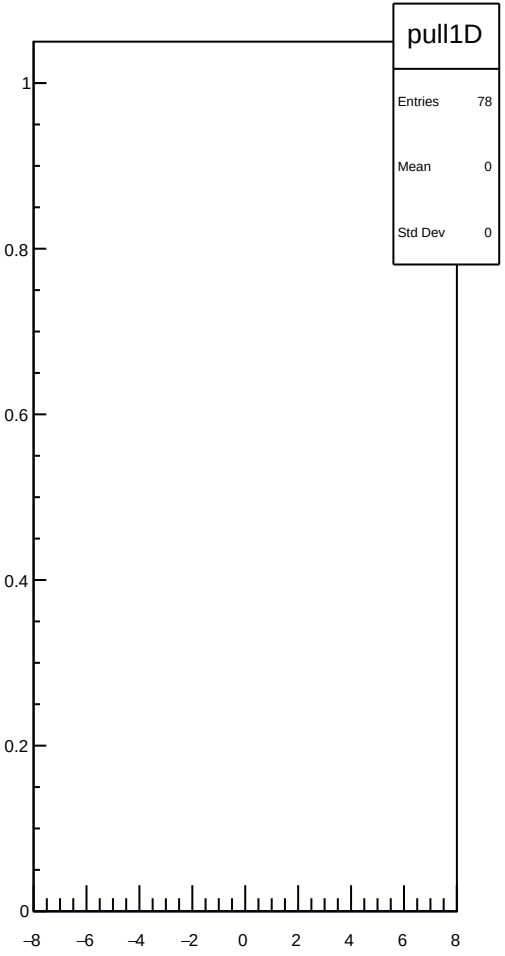

dit_usl_coil4_mean vs run
χ² / ndf inf / 77
p0 2678 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 2.447e+09
Std Dev 2.447e+09
×10¹⁵
2000
1000
0
−1000
−2000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

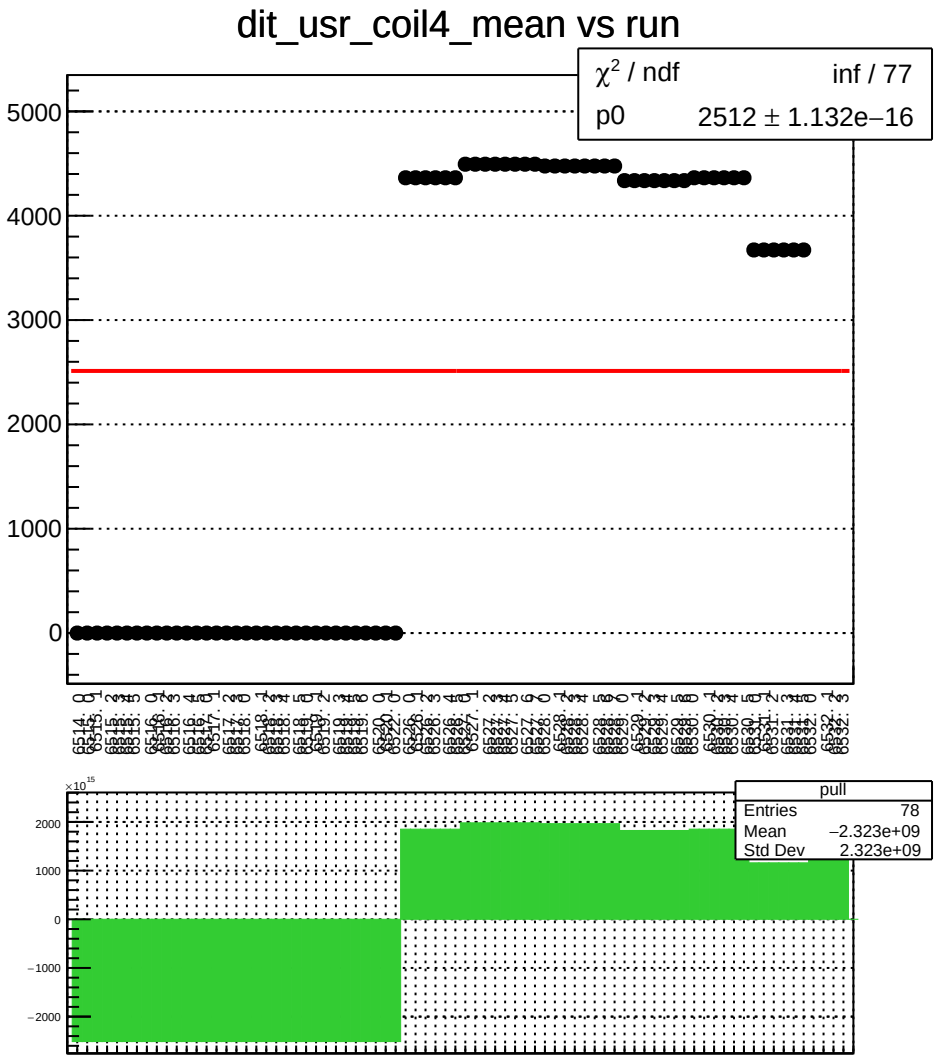

dit_usl_coil4_err_mean vs run
χ² / ndf 6.143e+36 / 77
p0 324.2 ± 1.132e−16
700
600
500
400
300
200
100
0
pull
Entries 78
Mean −2.107e+09
Std Dev 2.107e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300

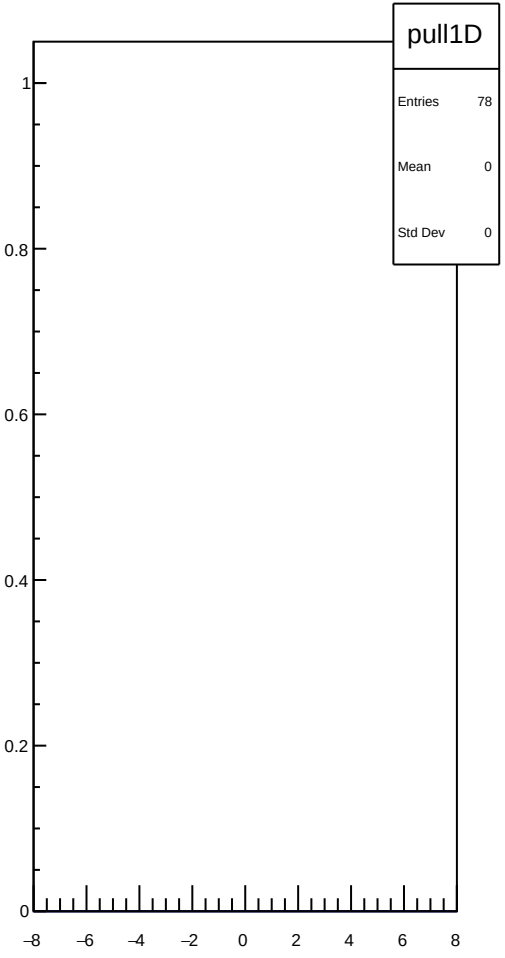

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

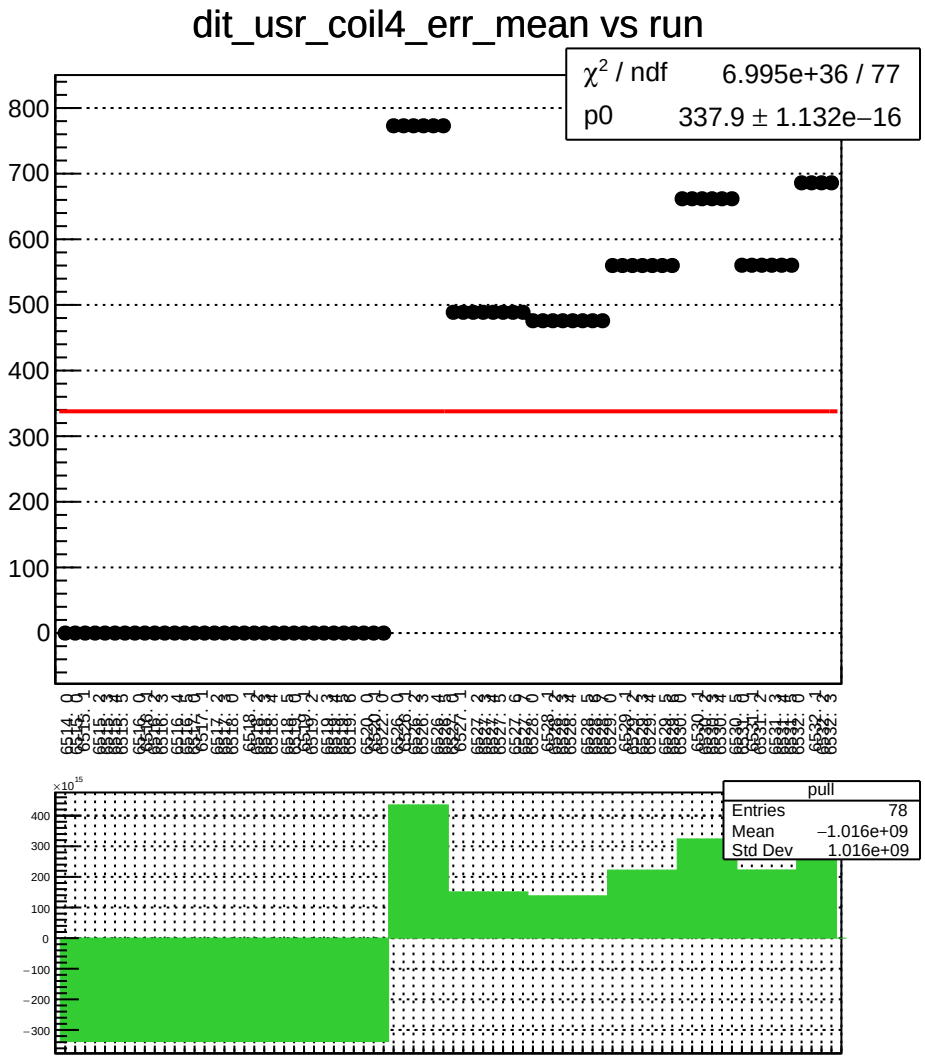
dit_usl_coil4_Ndata_mean vs run

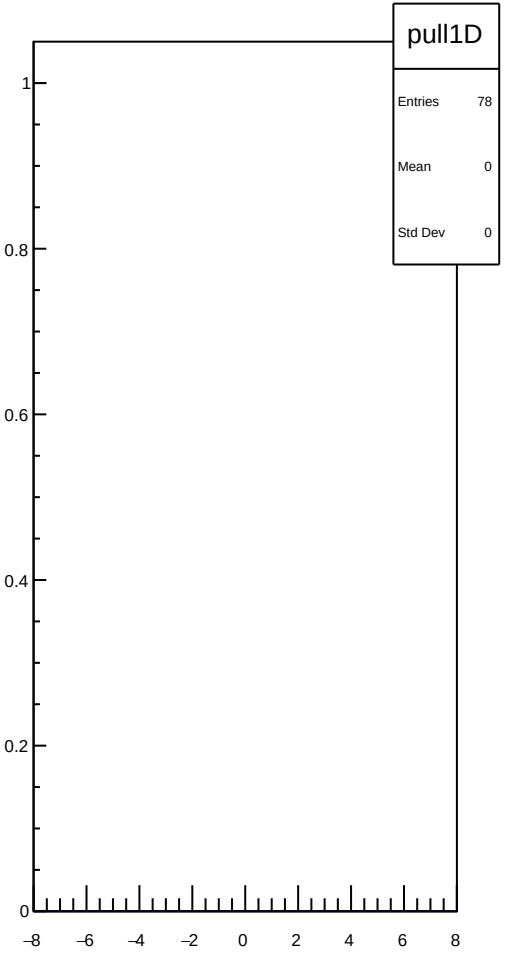


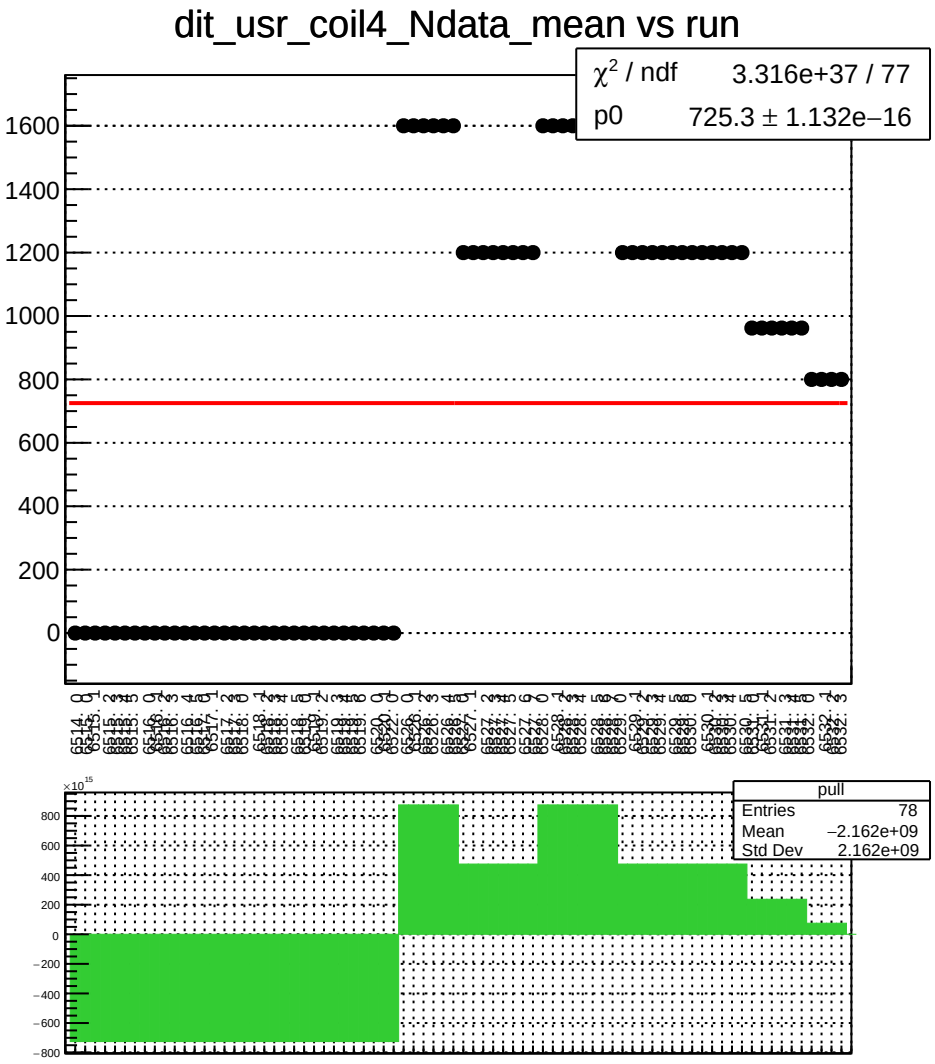


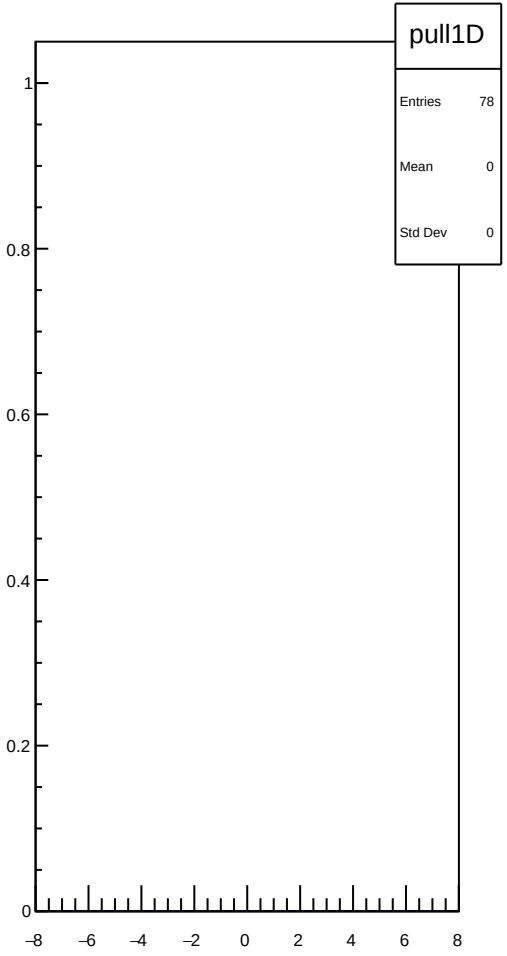

dit_usr_coil4_mean vs run
χ^2 / ndf inf / 77
p0 2512 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −2.323e+09
Std Dev 2.323e+09
2000
1000
0
−1000
−2000

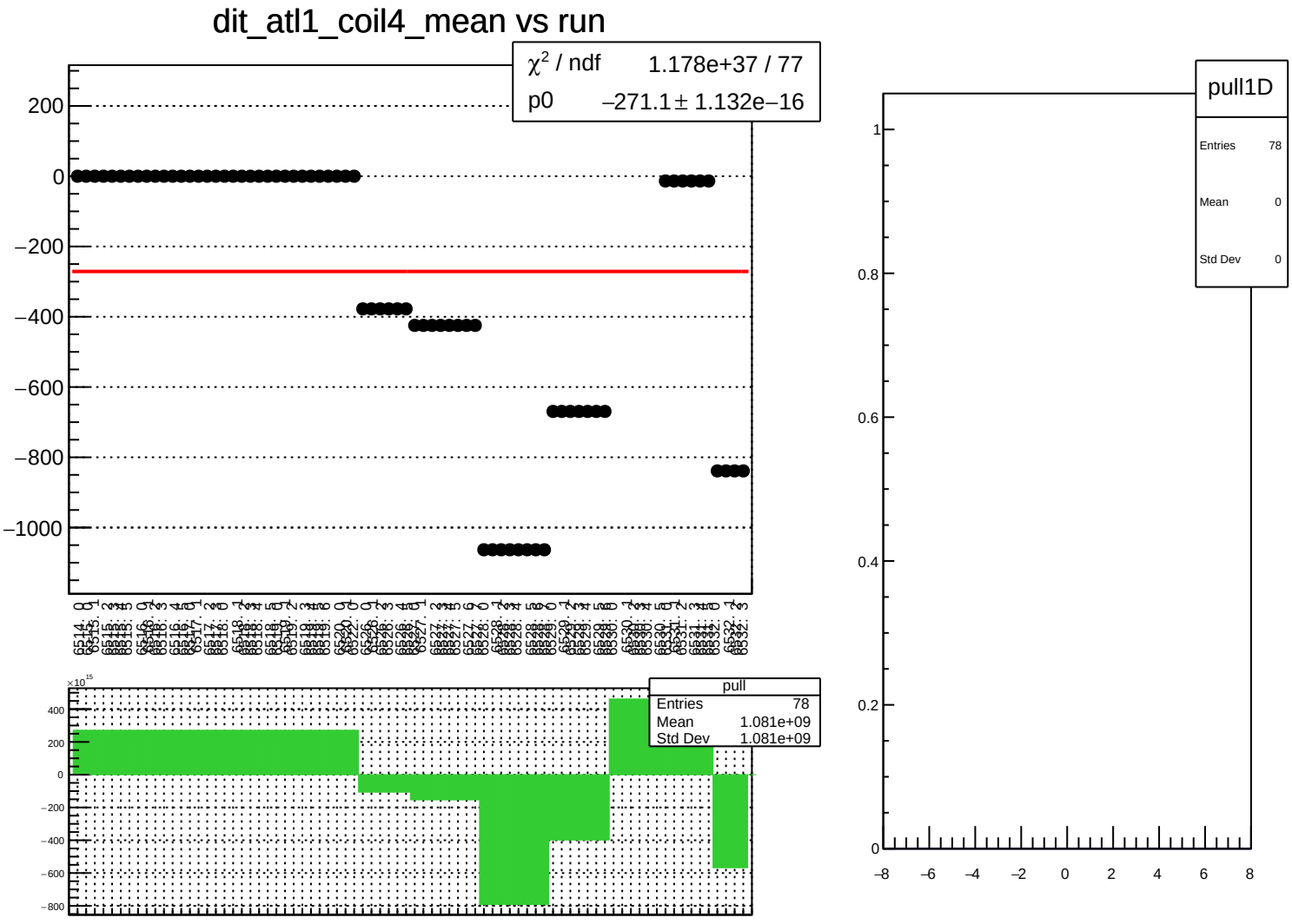

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

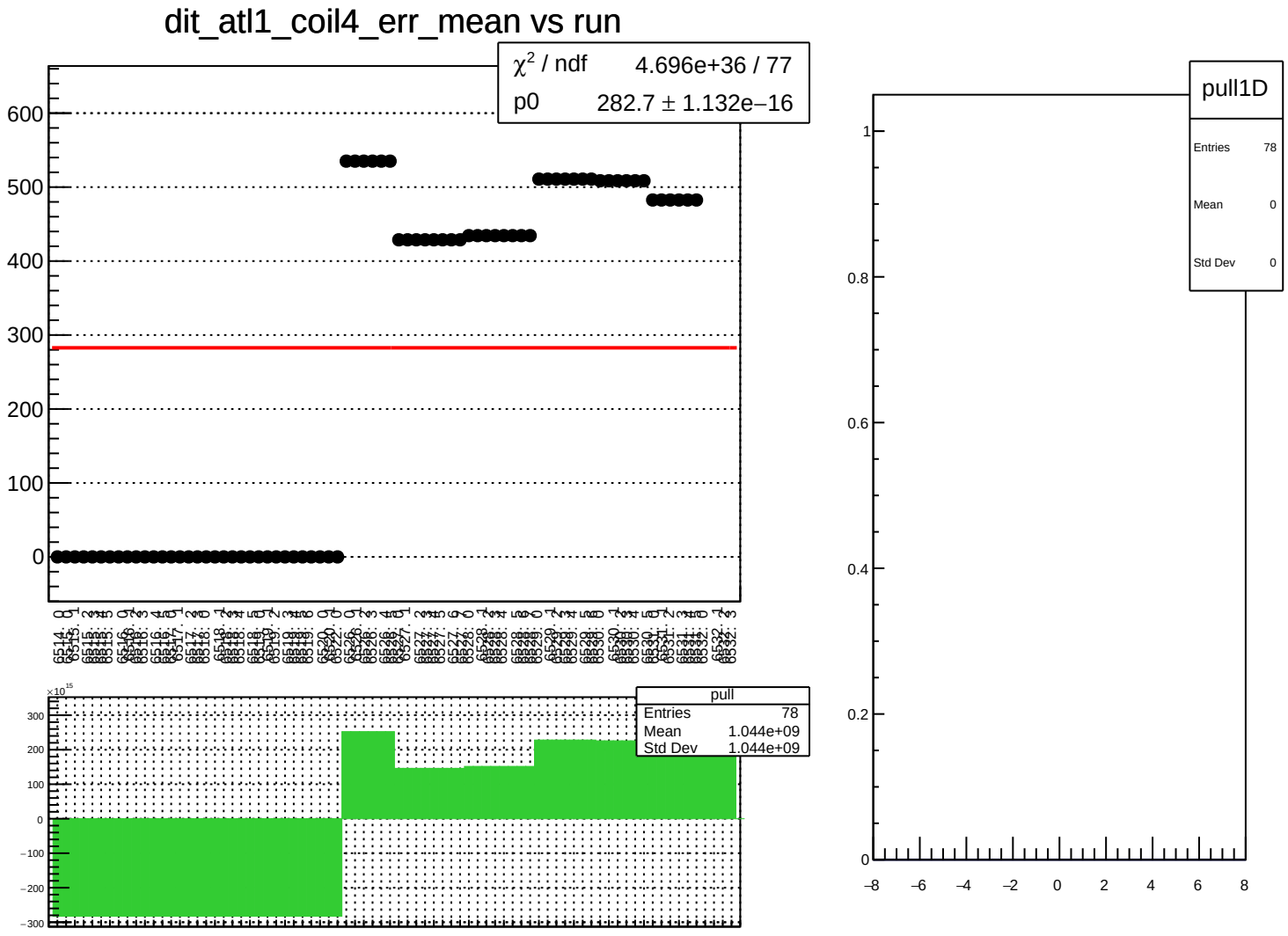

dit_usr_coil4_err_mean vs run
χ² / ndf 6.995e+36 / 77
p0 337.9 ± 1.132e−16
pull
Entries 78
Mean −1.016e+09
Std Dev 1.016e+09


pull1D
Entries 78
Mean 0
Std Dev 0

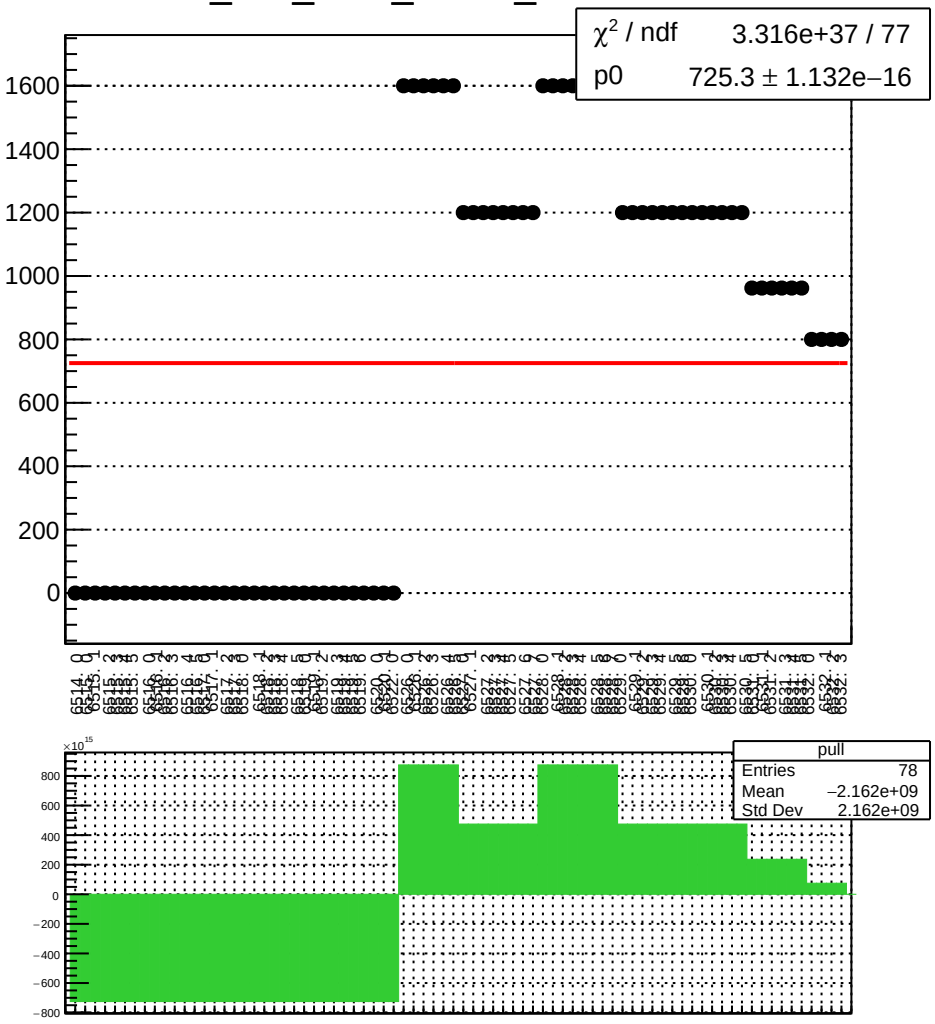

dit_usr_coil4_Ndata_mean vs run
χ^2 / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

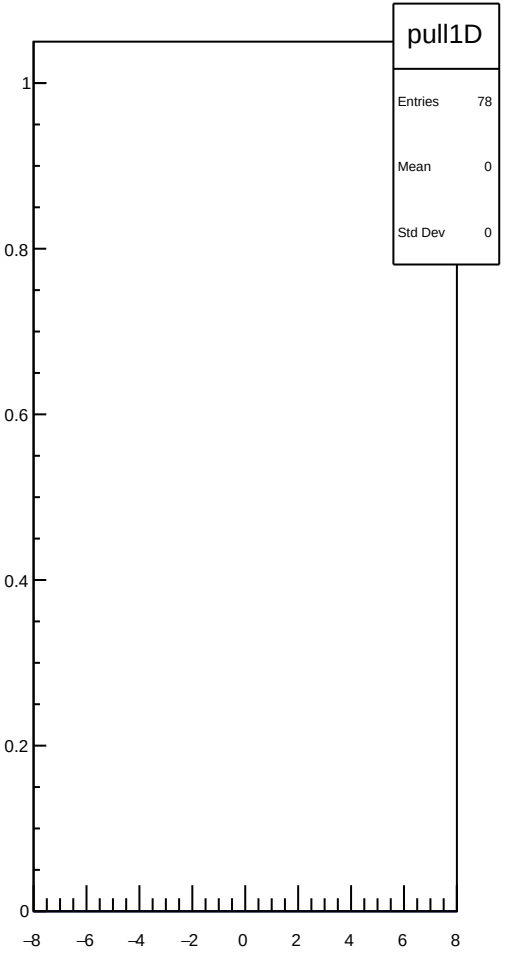

pull1D
Entries 78
Mean 0
Std Dev 0

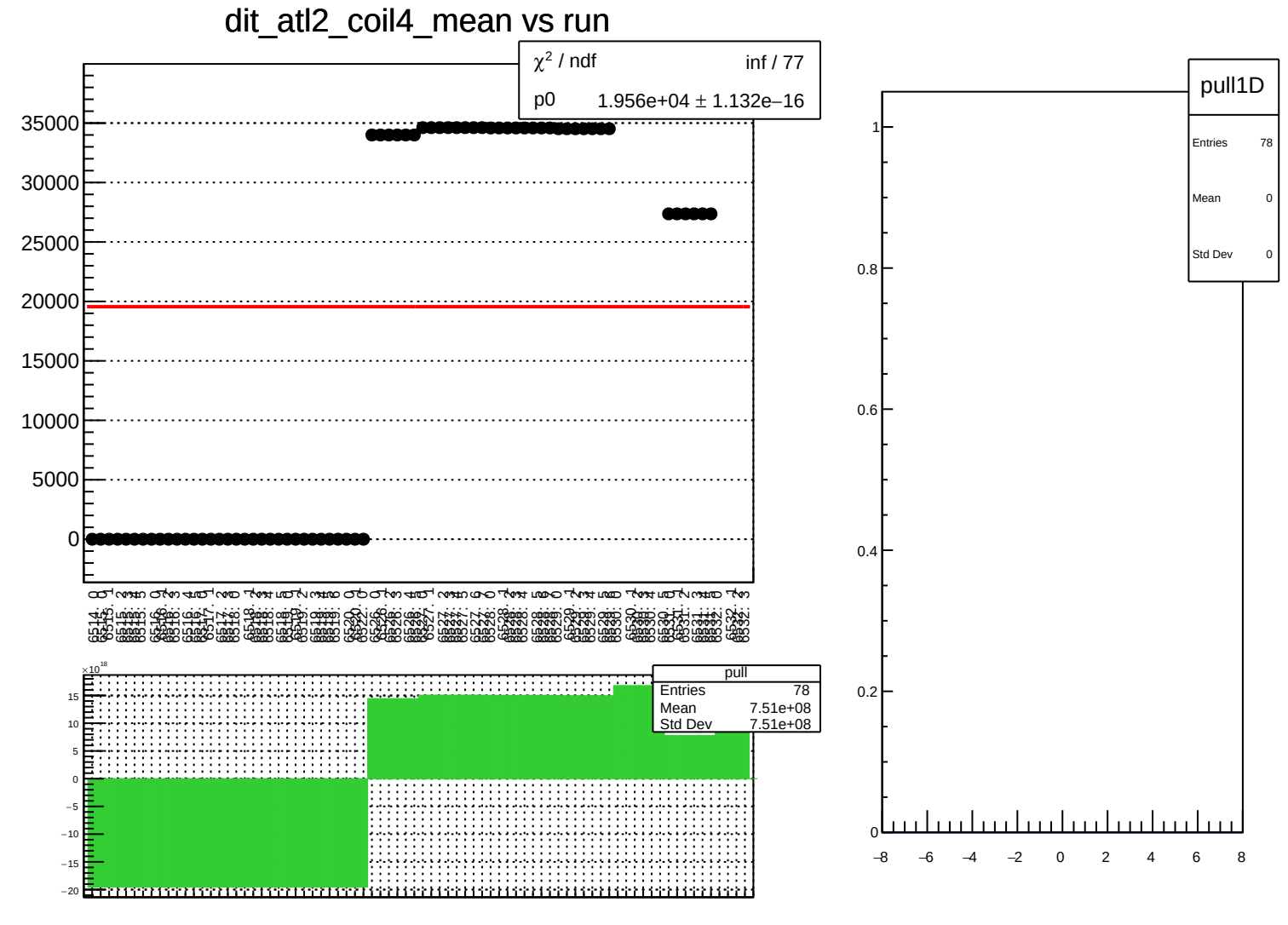

dit_atl1_coil4_mean vs run
χ² / ndf 1.178e+37 / 77
p0 −271.1 ± 1.132e−16
pull
Entries 78
Mean 1.081e+09
Std Dev 1.081e+09
pull1D
Entries 78
Mean 0
Std Dev 0

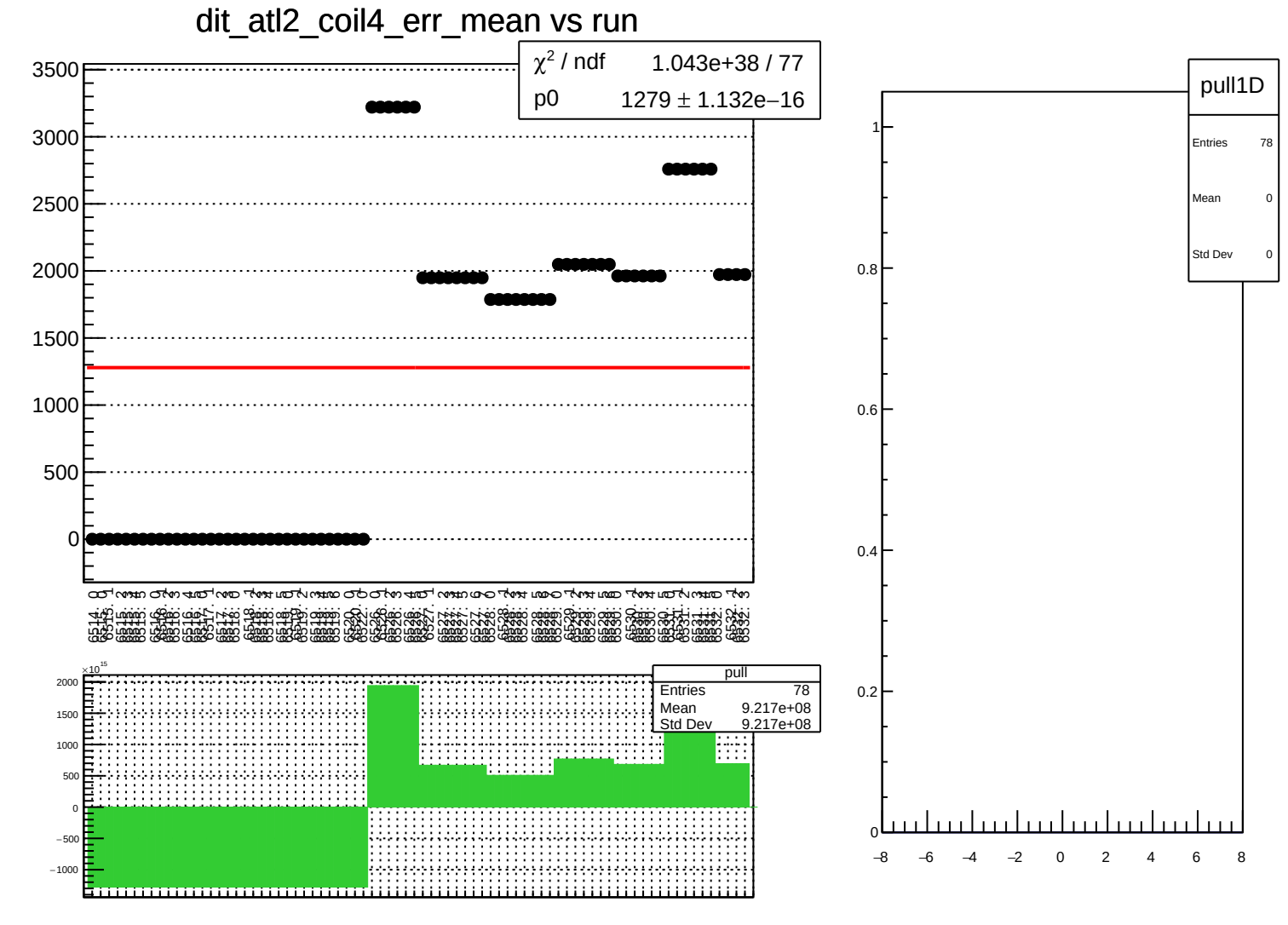

dit_atl1_coil4_err_mean vs run
χ² / ndf 4.696e+36 / 77
p0 282.7 ± 1.132e−16
pull
Entries 78
Mean 1.044e+09
Std Dev 1.044e+09
pull1D
Entries 78
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run

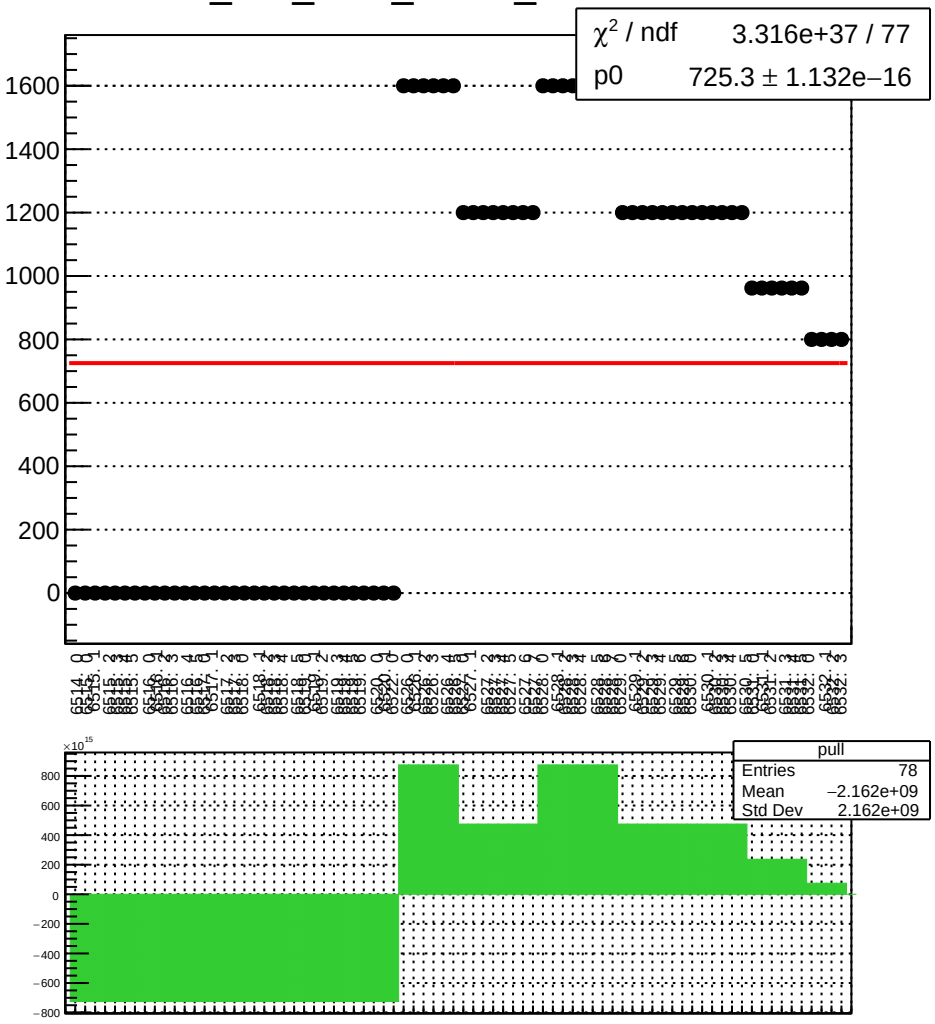


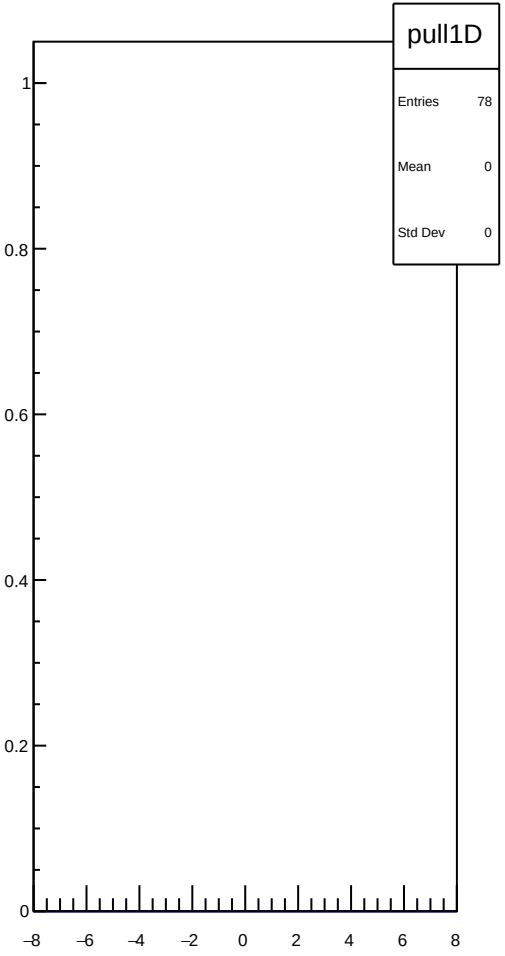


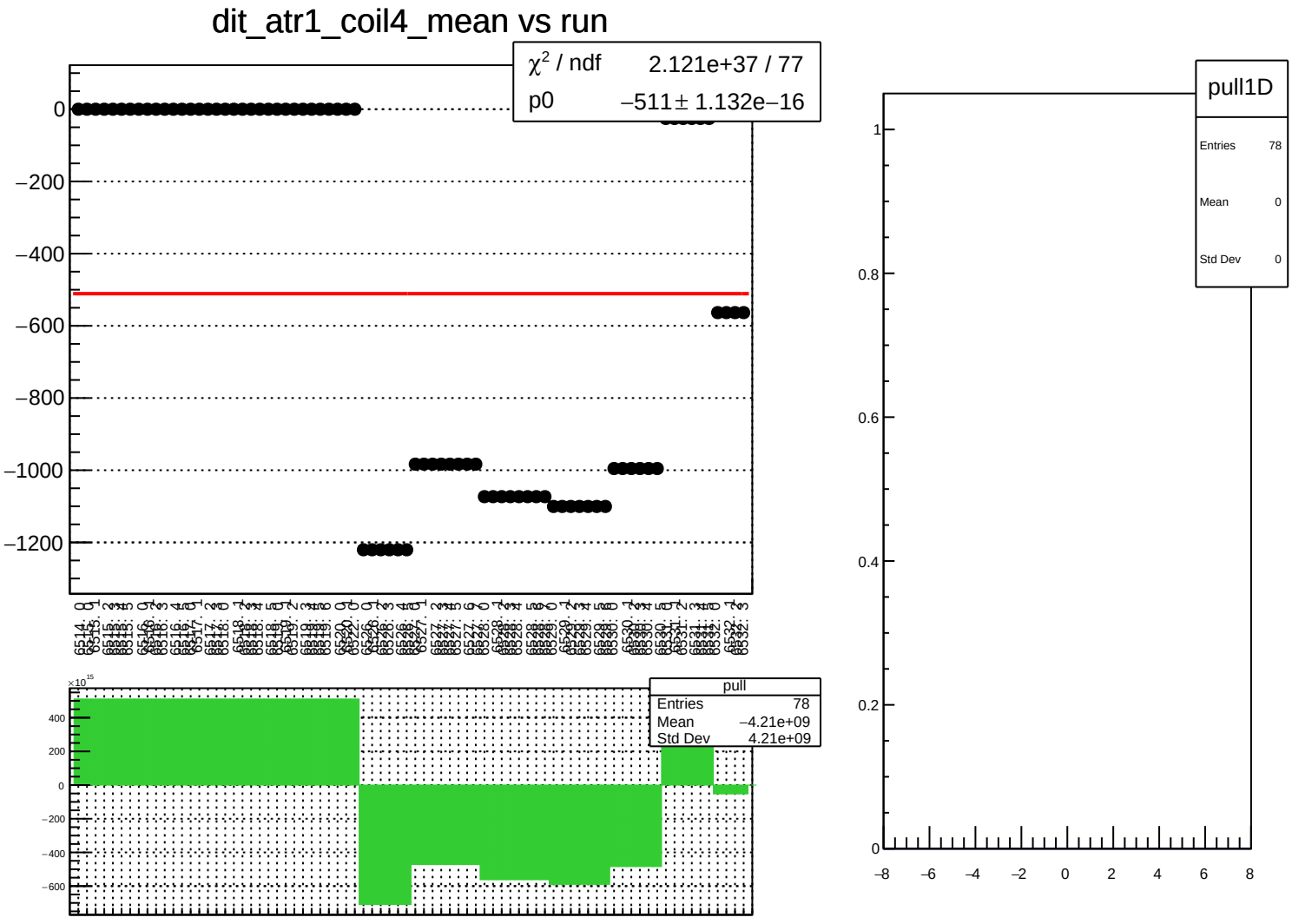

dit_atl2_coil4_mean vs run
χ² / ndf inf / 77
p0 1.956e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 7.51e+08
Std Dev 7.51e+08
×10¹⁸
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

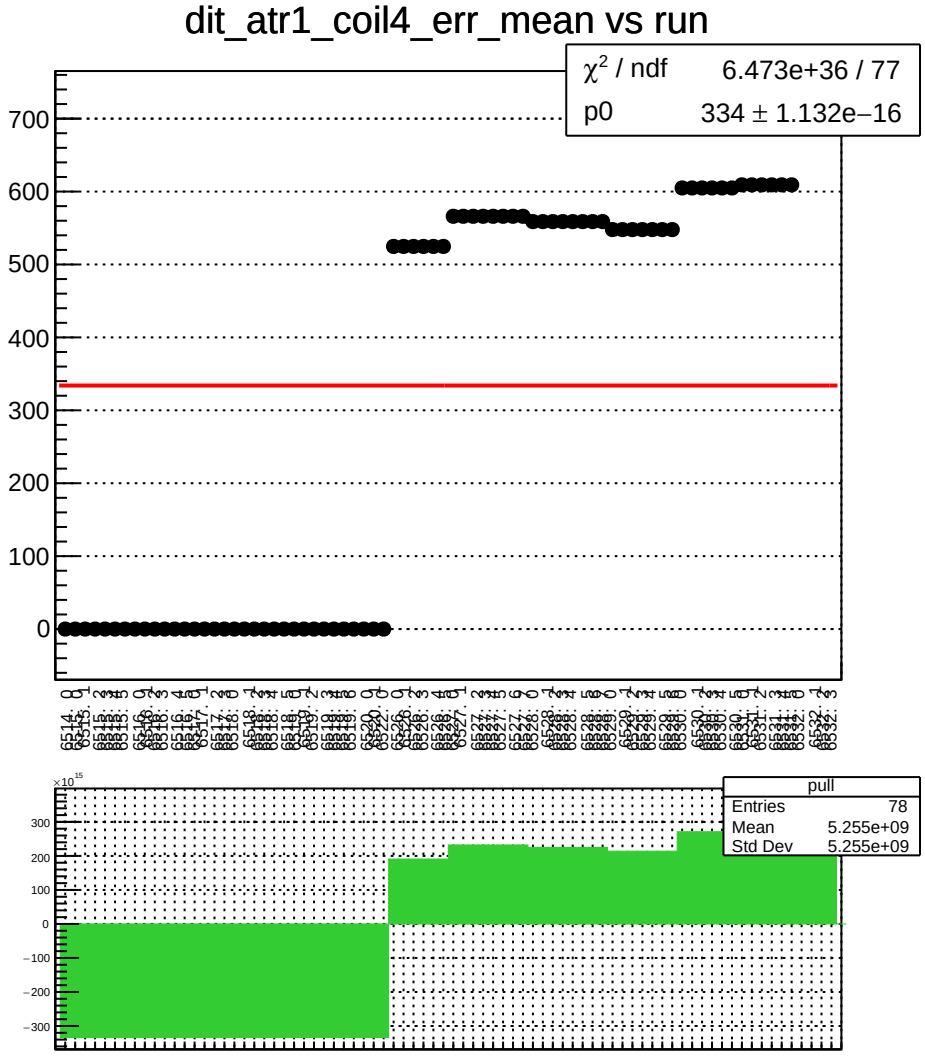

dit_atl2_coil4_err_mean vs run
χ² / ndf 1.043e+38 / 77
p0 1279 ± 1.132e−16
pull
Entries 78
Mean 9.217e+08
Std Dev 9.217e+08
pull1D
Entries 78
Mean 0
Std Dev 0

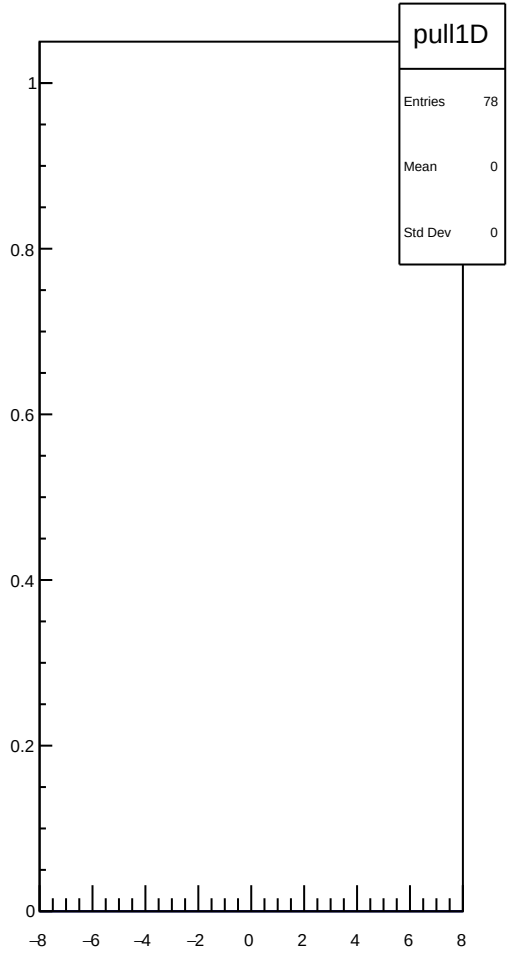
dit_atl2_coil4_Ndata_mean vs run

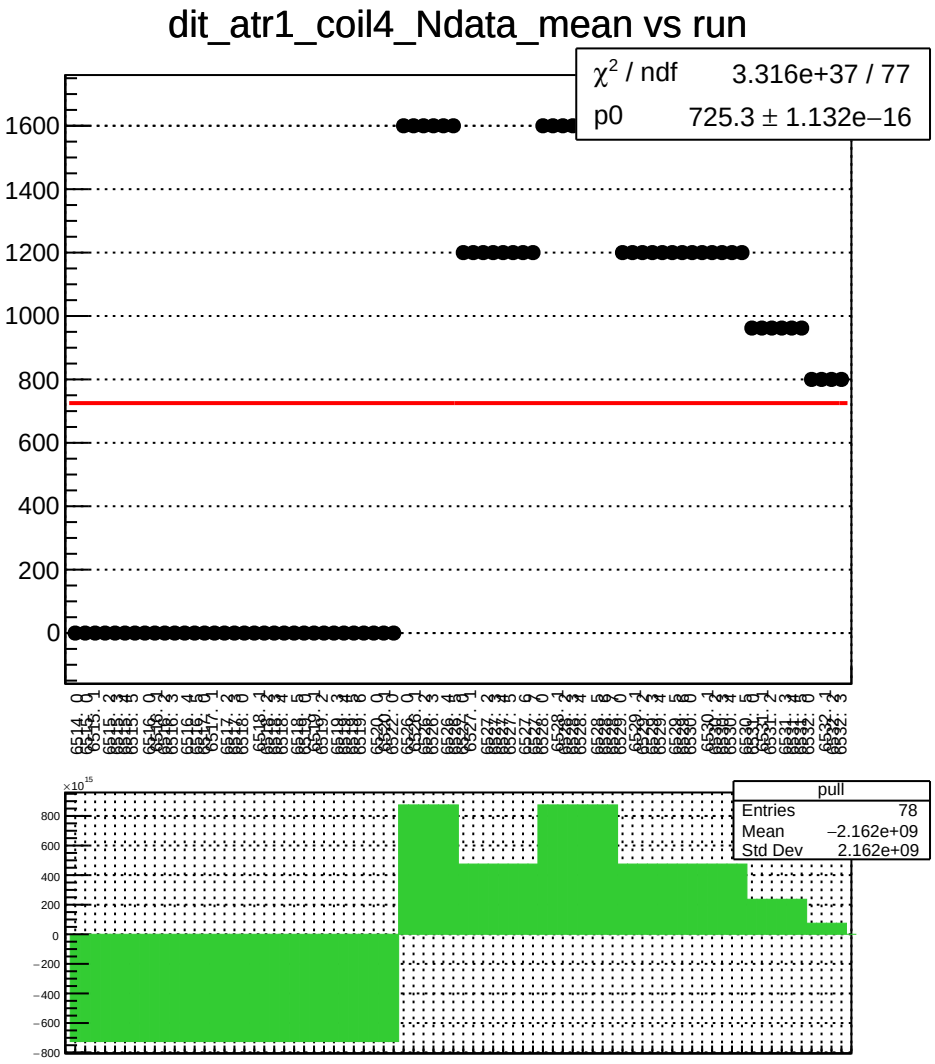


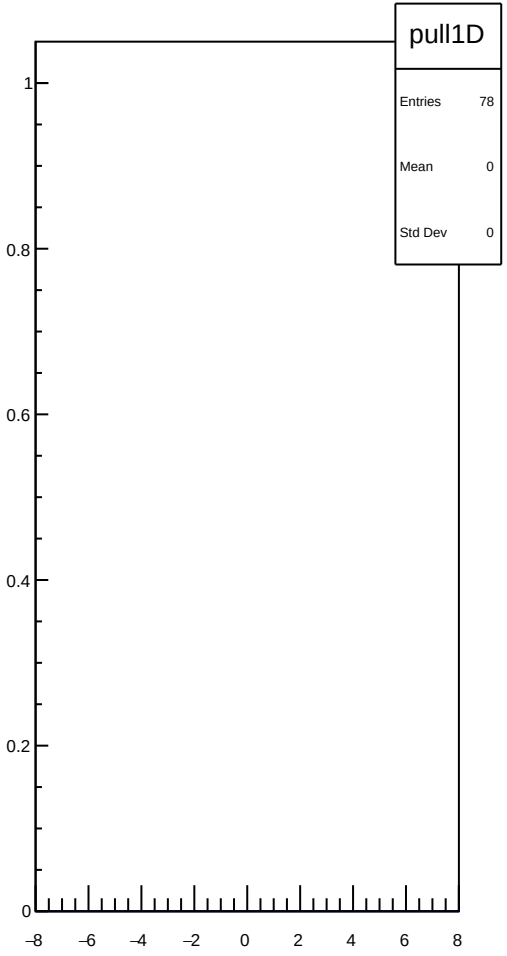


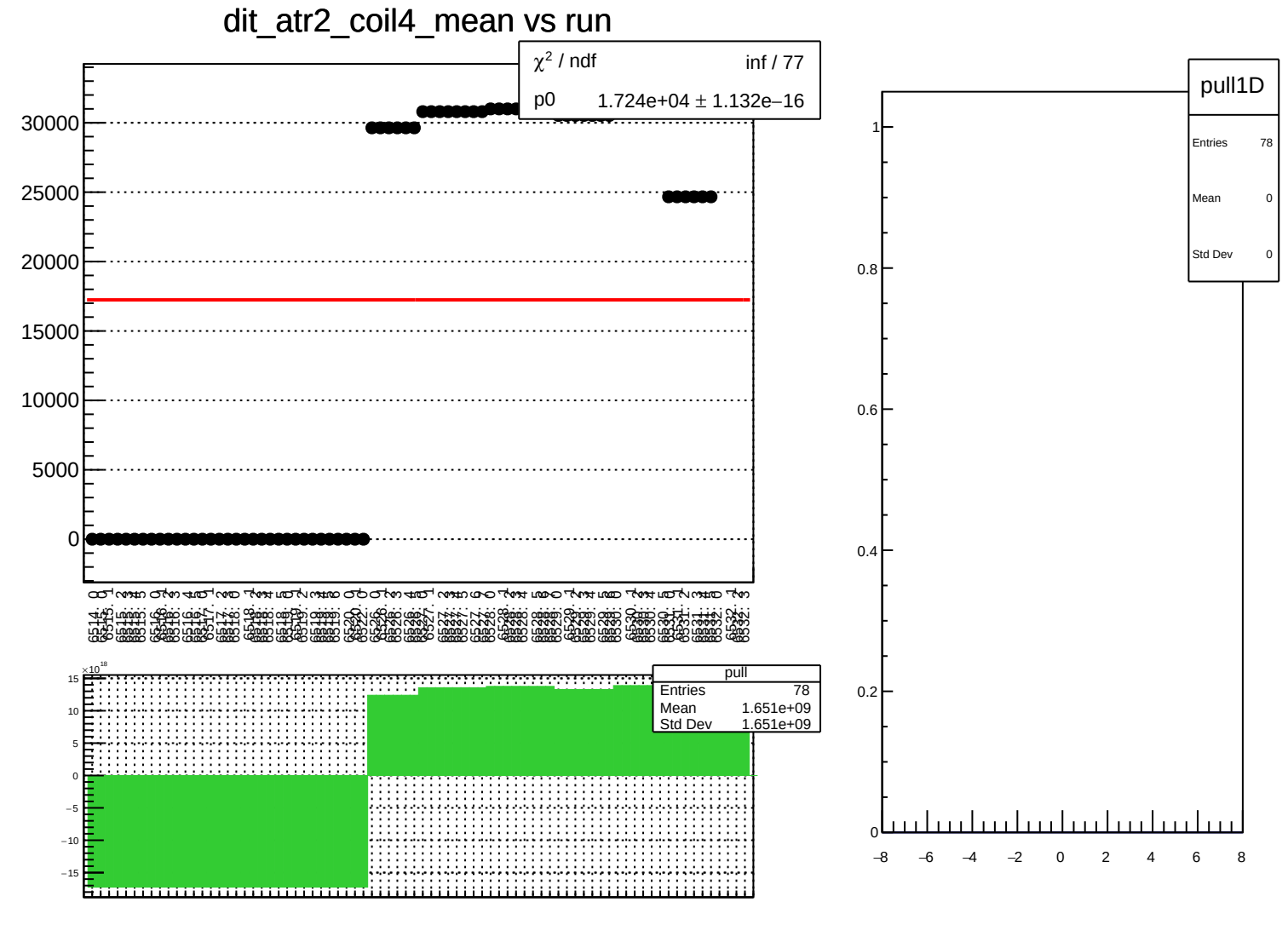

dit_atr1_coil4_mean vs run
χ² / ndf 2.121e+37 / 77
p0 −511 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 78
Mean −4.21e+09
Std Dev 4.21e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

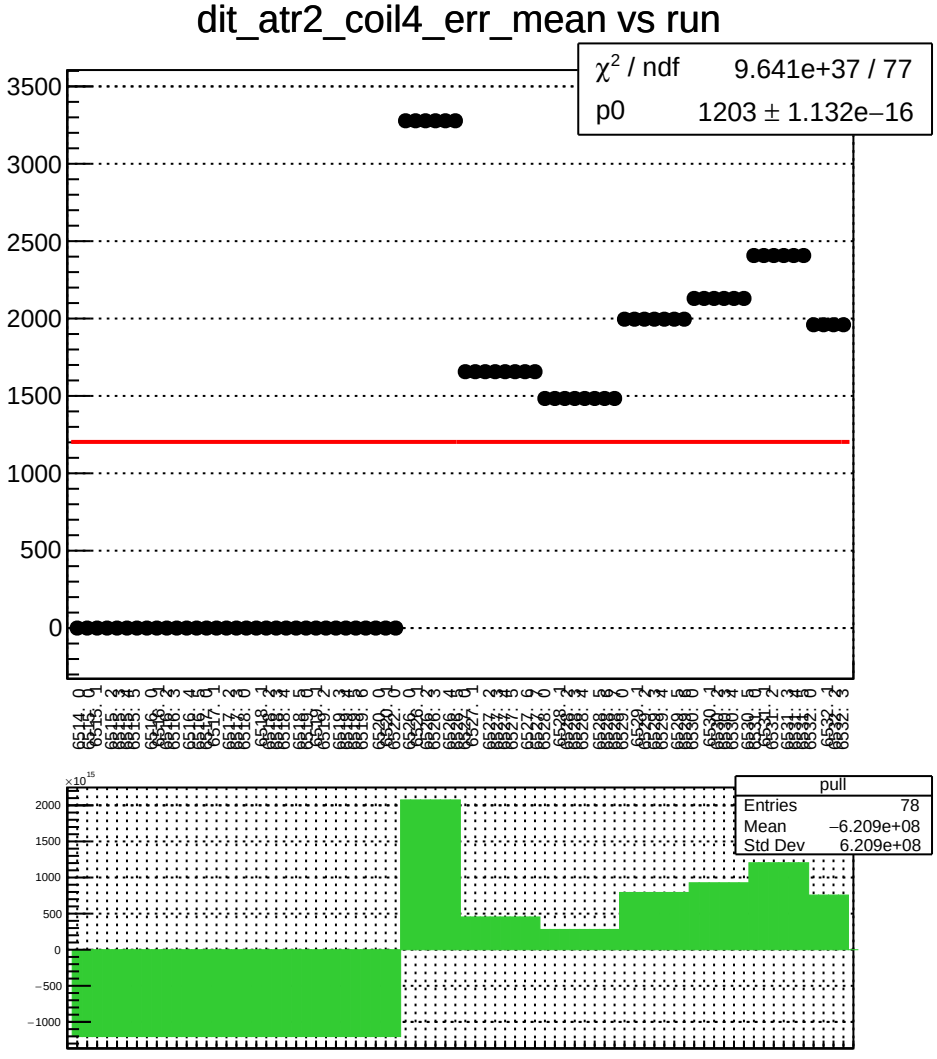

dit_atr1_coil4_err_mean vs run
χ² / ndf 6.473e+36 / 77
p0 334 ± 1.132e−16
pull
Entries 78
Mean 5.255e+09
Std Dev 5.255e+09

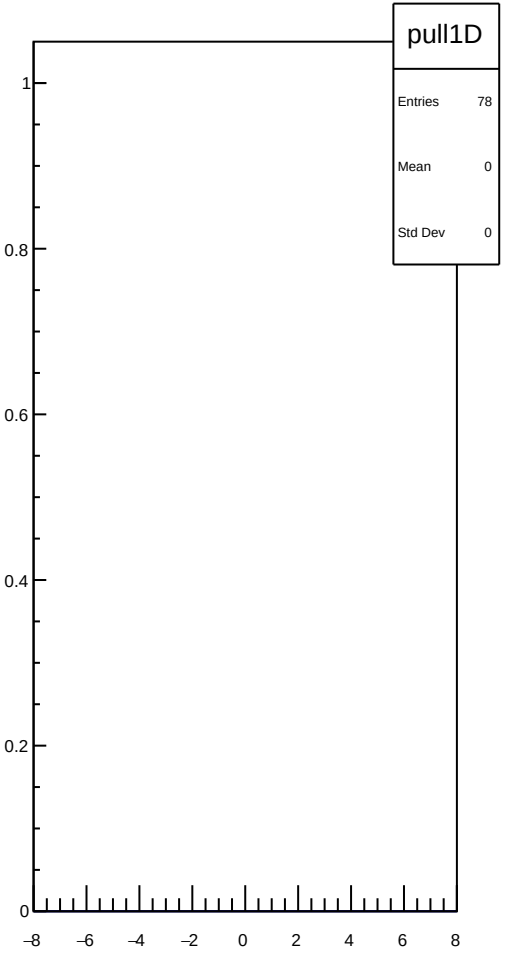

pull1D
Entries 78
Mean 0
Std Dev 0


dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

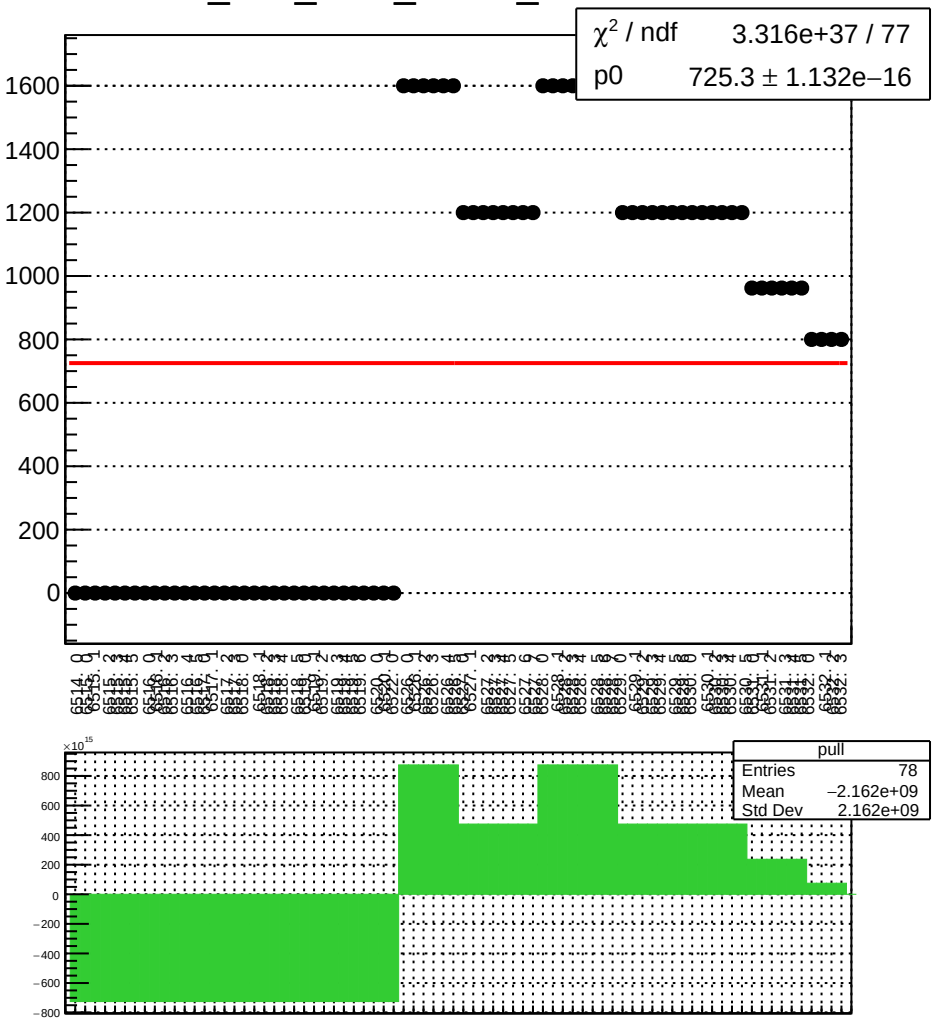

pull1D
Entries 78
Mean 0
Std Dev 0

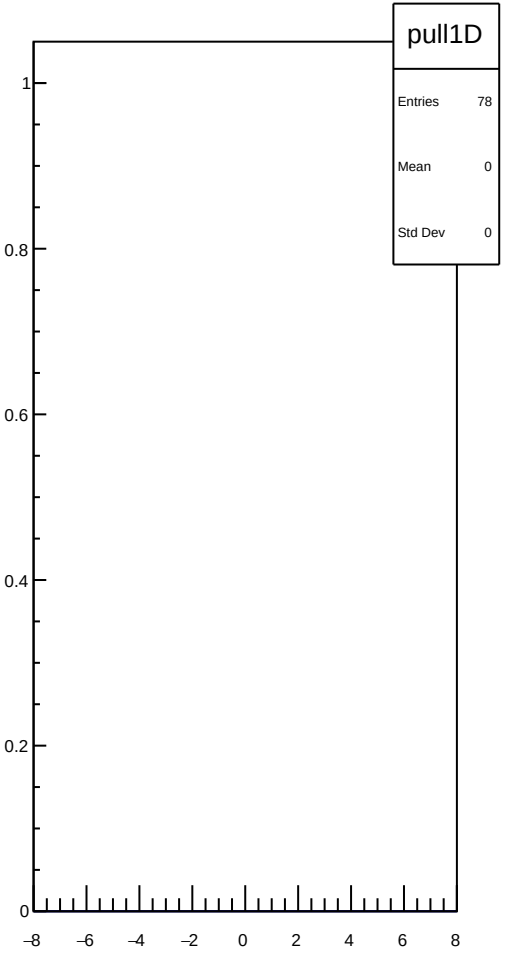

dit_atr2_coil4_mean vs run
χ² / ndf inf / 77
p0 1.724e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 1.651e+09
Std Dev 1.651e+09
×10¹⁸
15
10
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

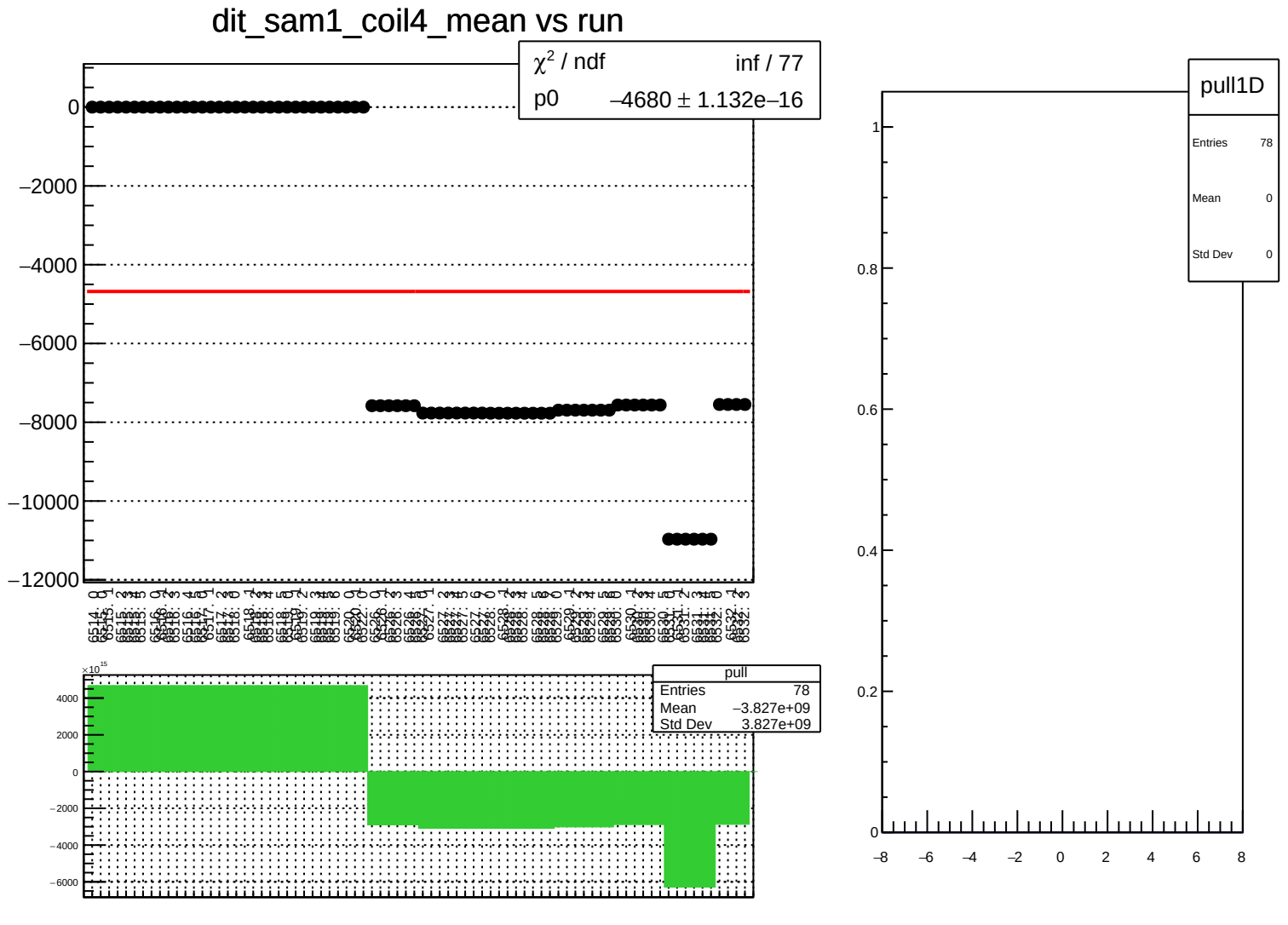

dit_atr2_coil4_err_mean vs run
χ² / ndf 9.641e+37 / 77
p0 1203 ± 1.132e−16
pull
Entries 78
Mean −6.209e+08
Std Dev 6.209e+08


pull1D
Entries 78
Mean 0
Std Dev 0

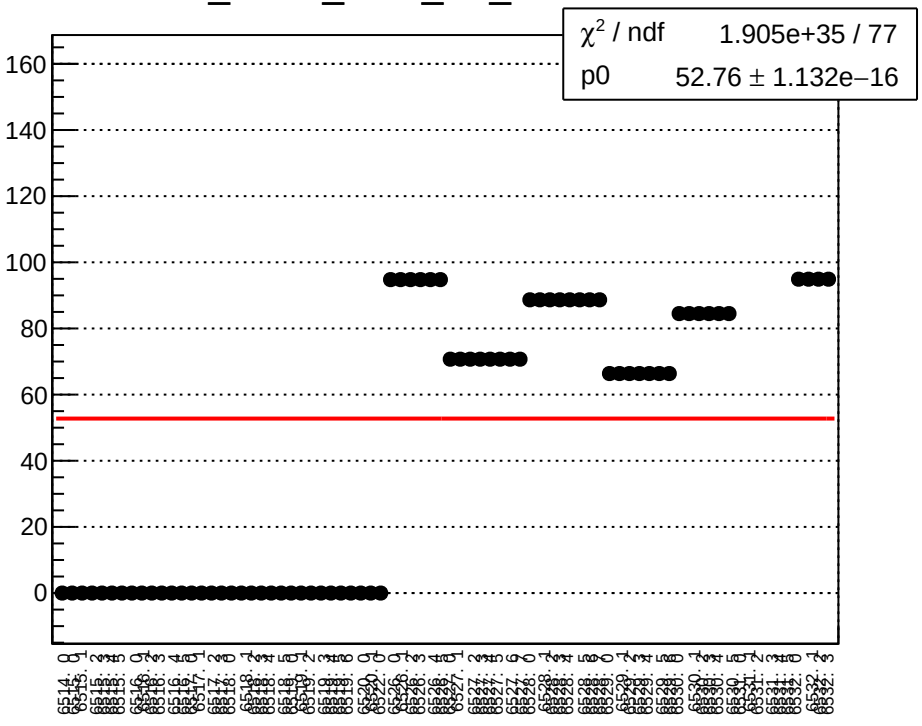
dit_atr2_coil4_Ndata_mean vs run

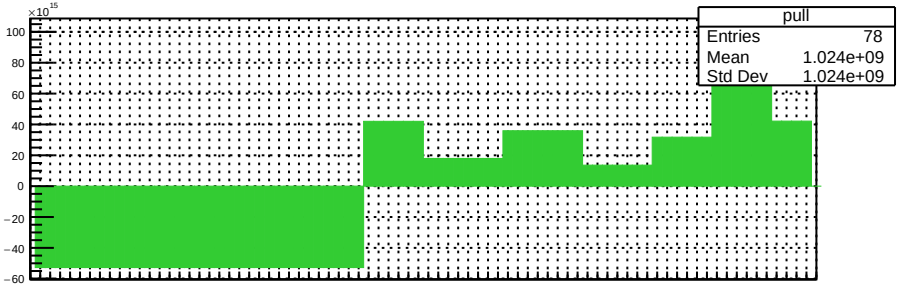


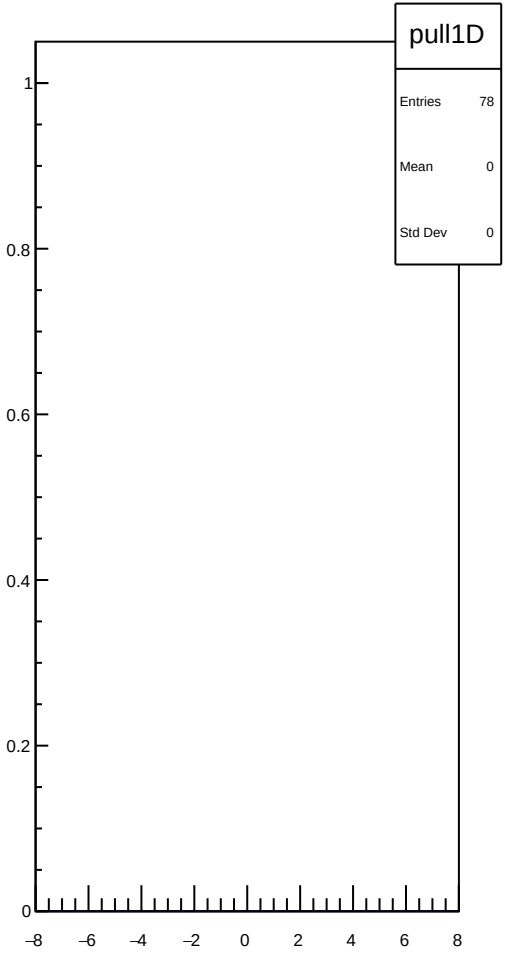


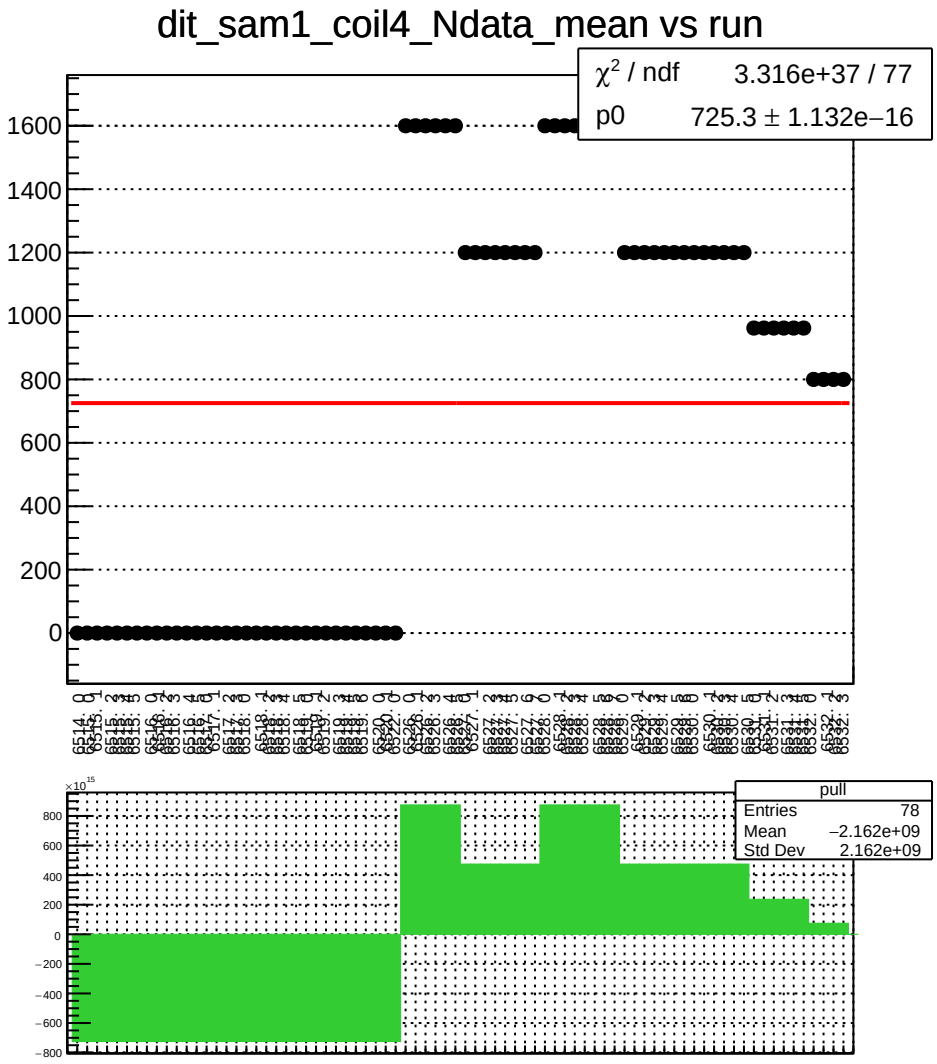

dit_sam1_coil4_mean vs run
χ² / ndf inf / 77
p0 –4680 ± 1.132e–16
0
–2000
–4000
–6000
–8000
–10000
–12000
pull
Entries 78
Mean –3.827e+09
Std Dev 3.827e+09
×10¹⁵
4000
2000
0
–2000
–4000
–6000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

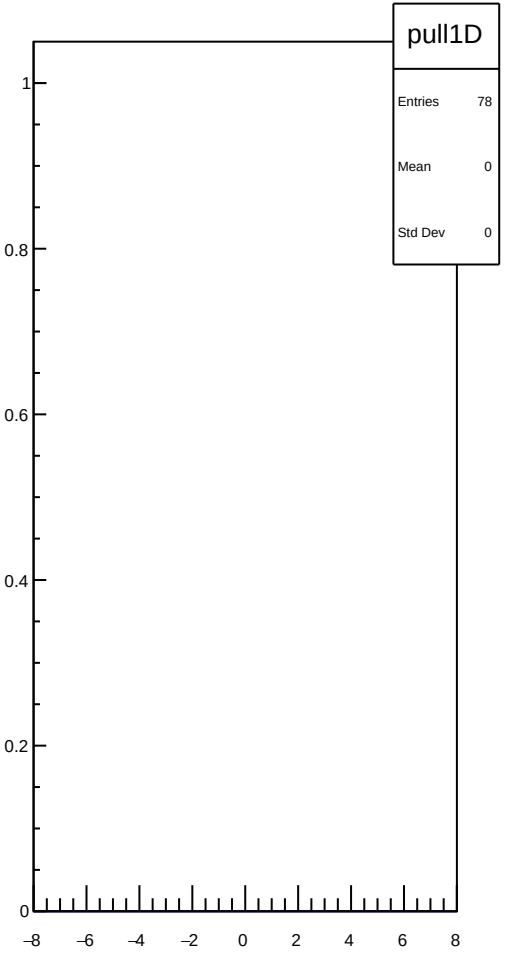
dit_sam1_coil4_err_mean vs run

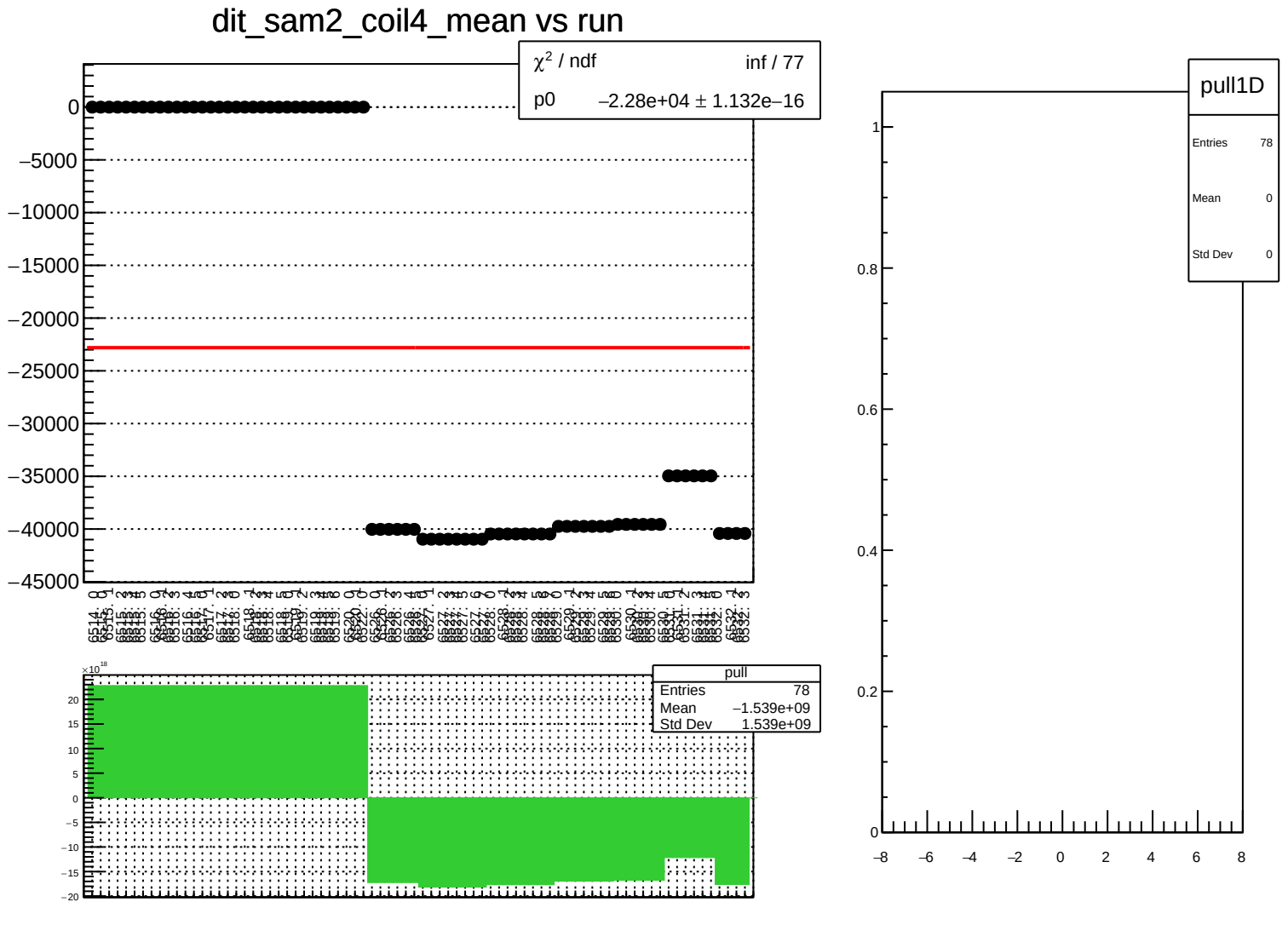


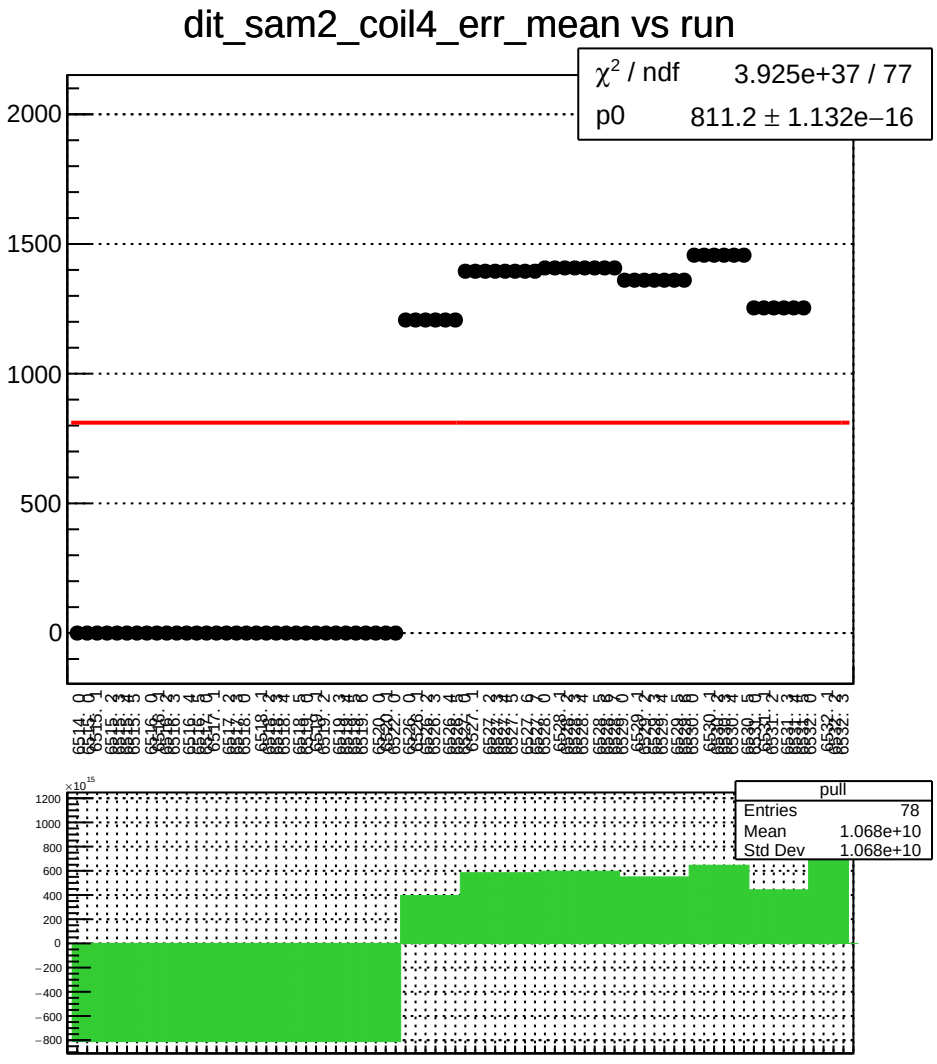


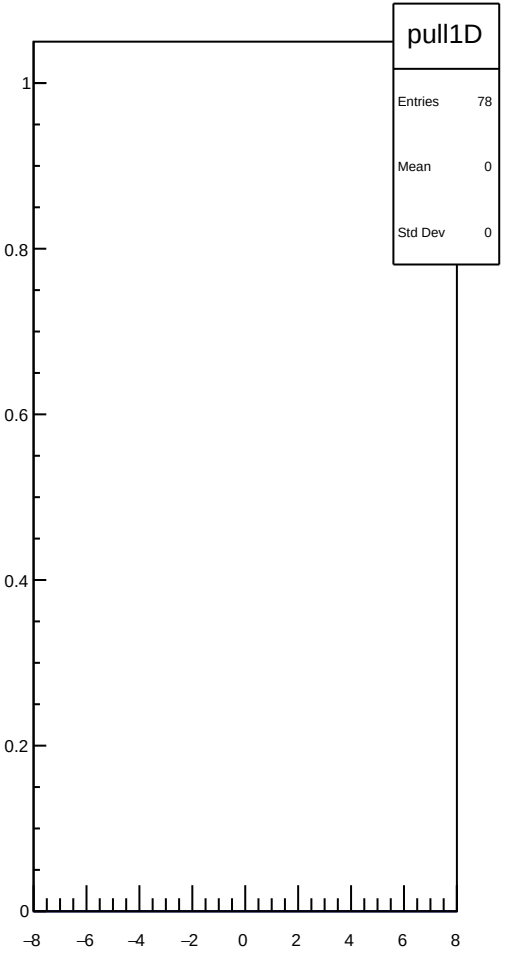


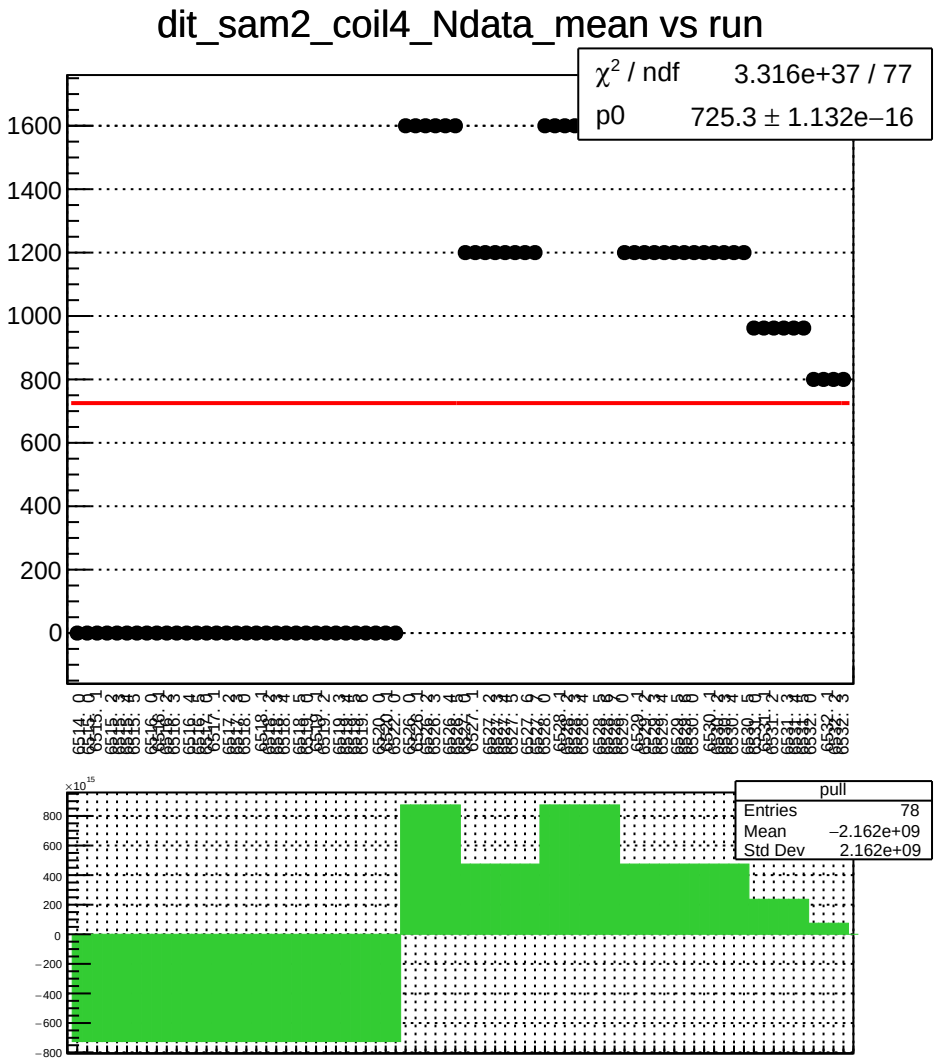

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

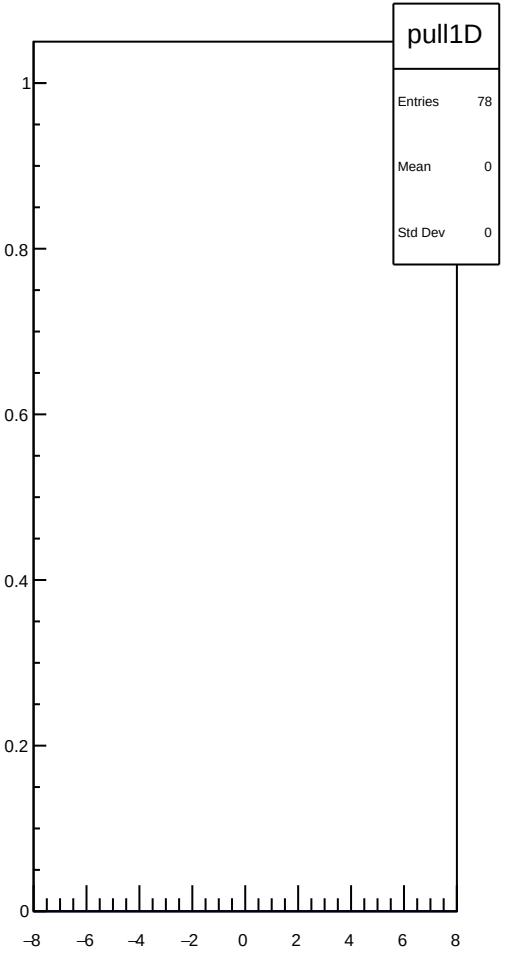

pull1D
Entries 78
Mean 0
Std Dev 0

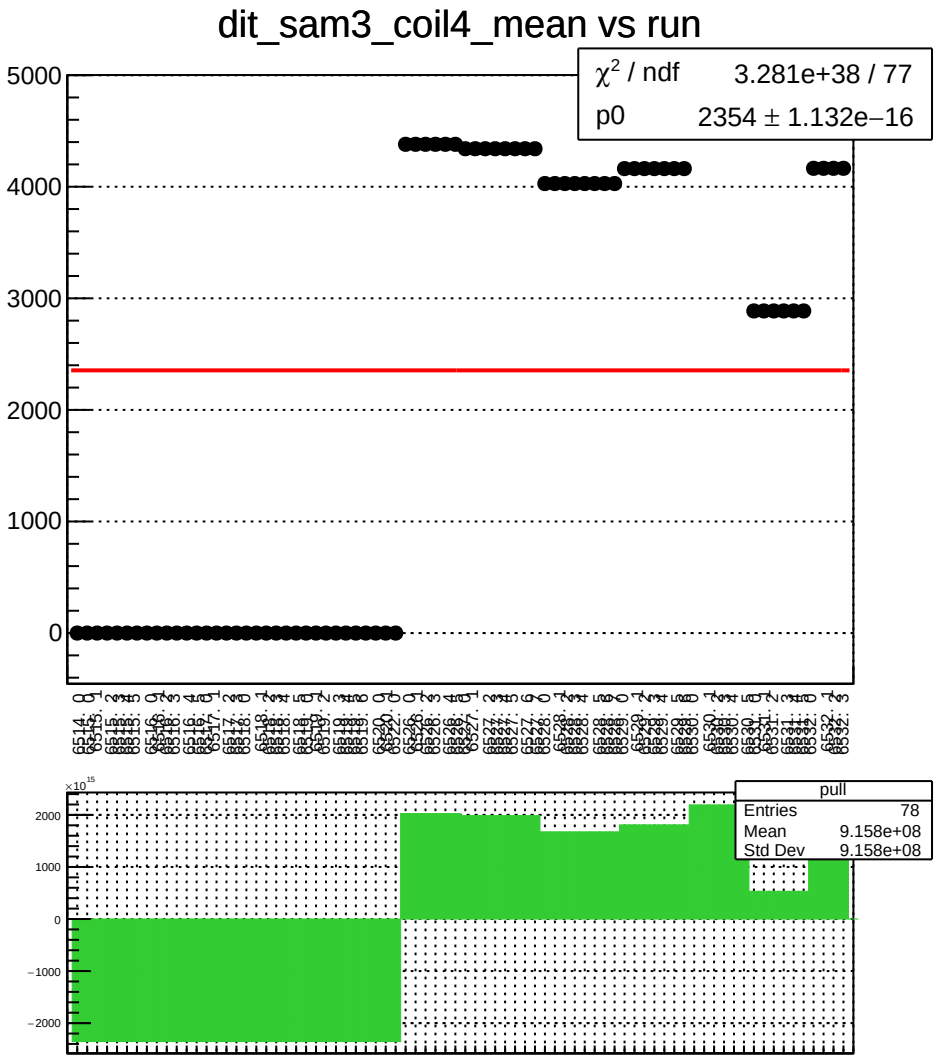

dit_sam2_coil4_mean vs run
χ² / ndf inf / 77
p0 −2.28e+04 ± 1.132e−16
pull
Entries 78
Mean −1.539e+09
Std Dev 1.539e+09
pull1D
Entries 78
Mean 0
Std Dev 0

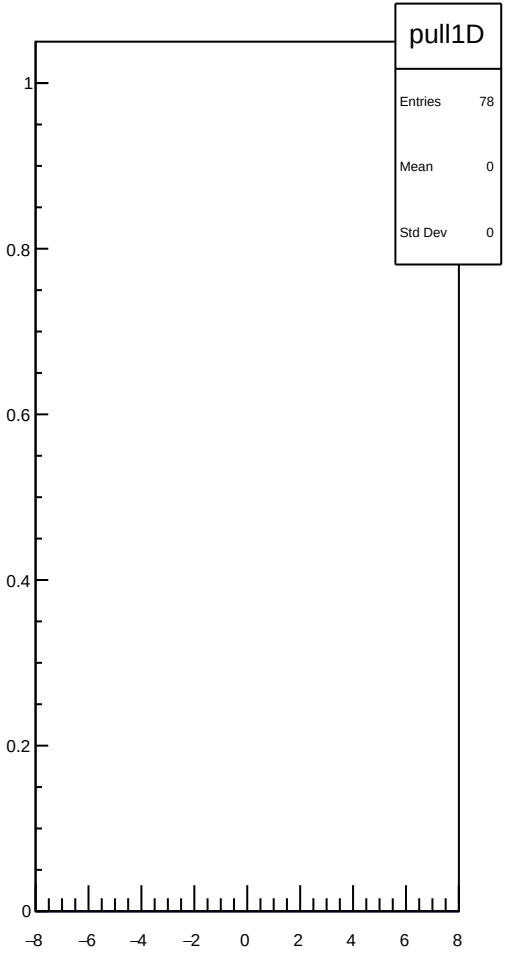

dit_sam2_coil4_err_mean vs run
χ^2 / ndf 3.925e+37 / 77
p0 811.2 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean 1.068e+10
Std Dev 1.068e+10
1200
1000
800
600
400
200
0
−200
−400
−600
−800

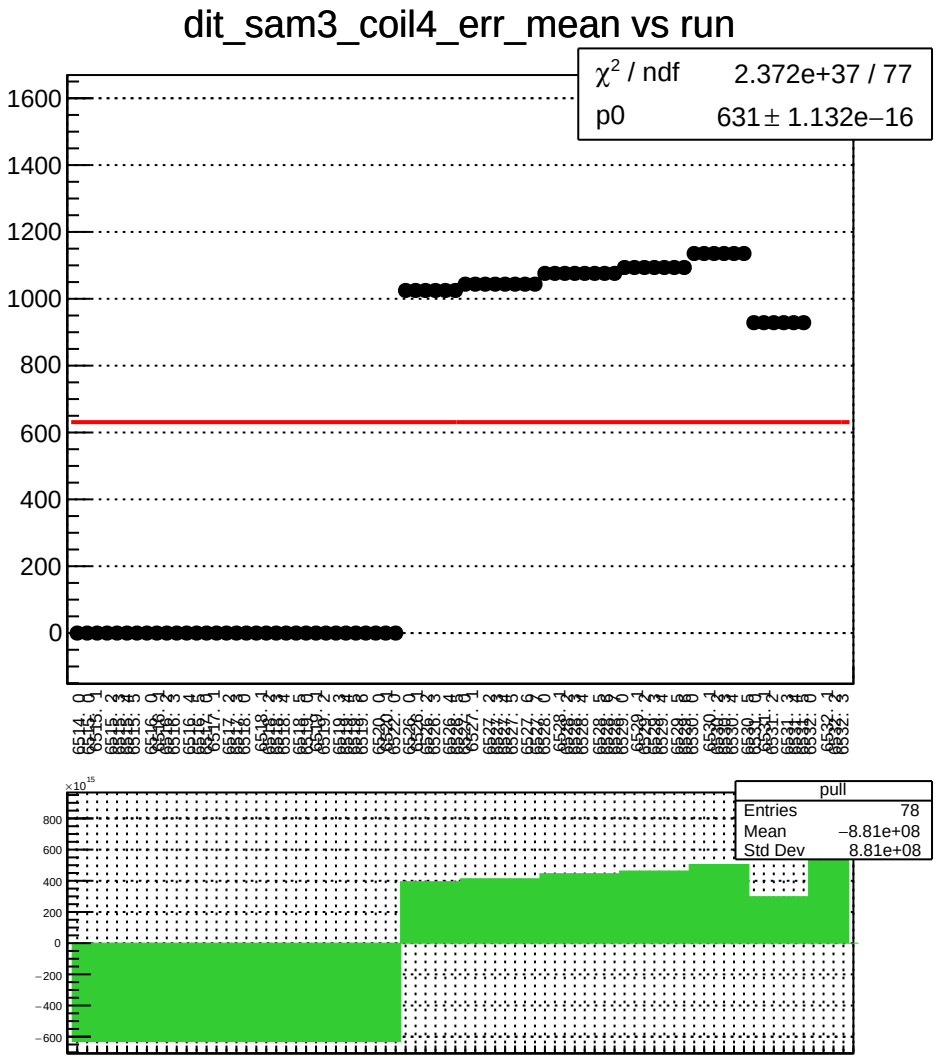

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

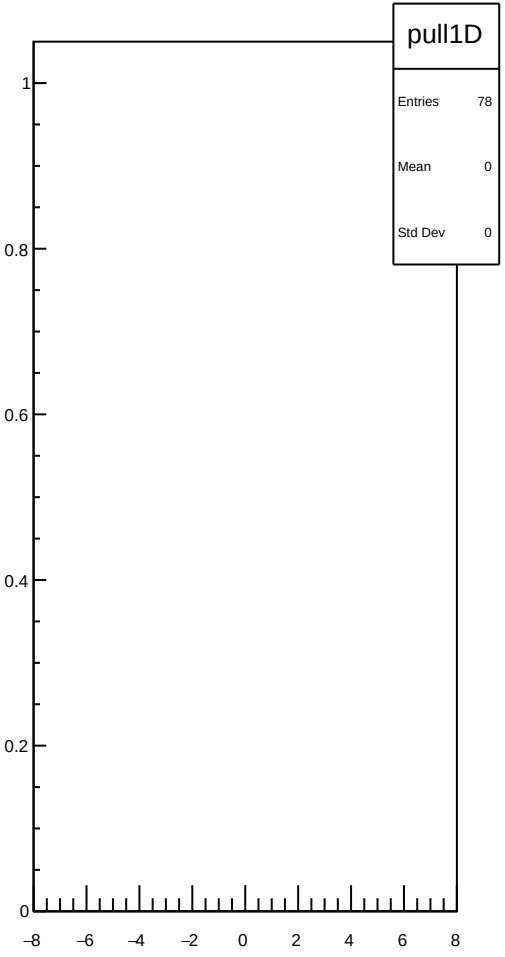

dit_sam2_coil4_Ndata_mean vs run
χ^2 / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

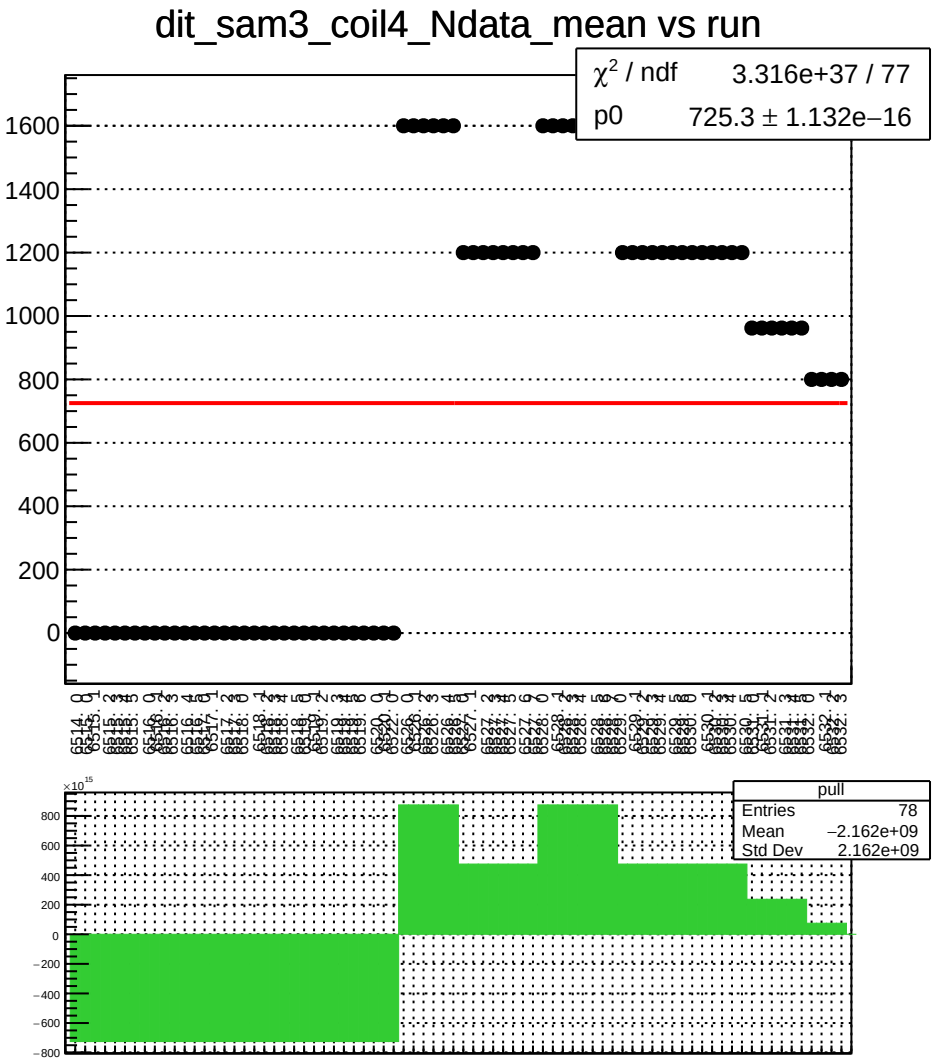

pull1D
Entries 78
Mean 0
Std Dev 0

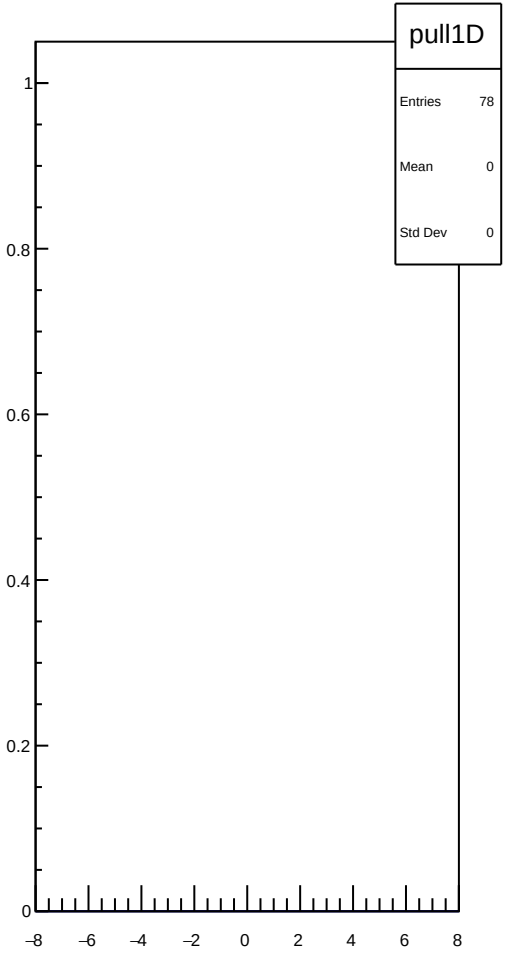

dit_sam3_coil4_mean vs run
χ^2 / ndf 3.281e+38 / 77
p0 2354 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 9.158e+08
Std Dev 9.158e+08
2000
1000
0
−1000
−2000

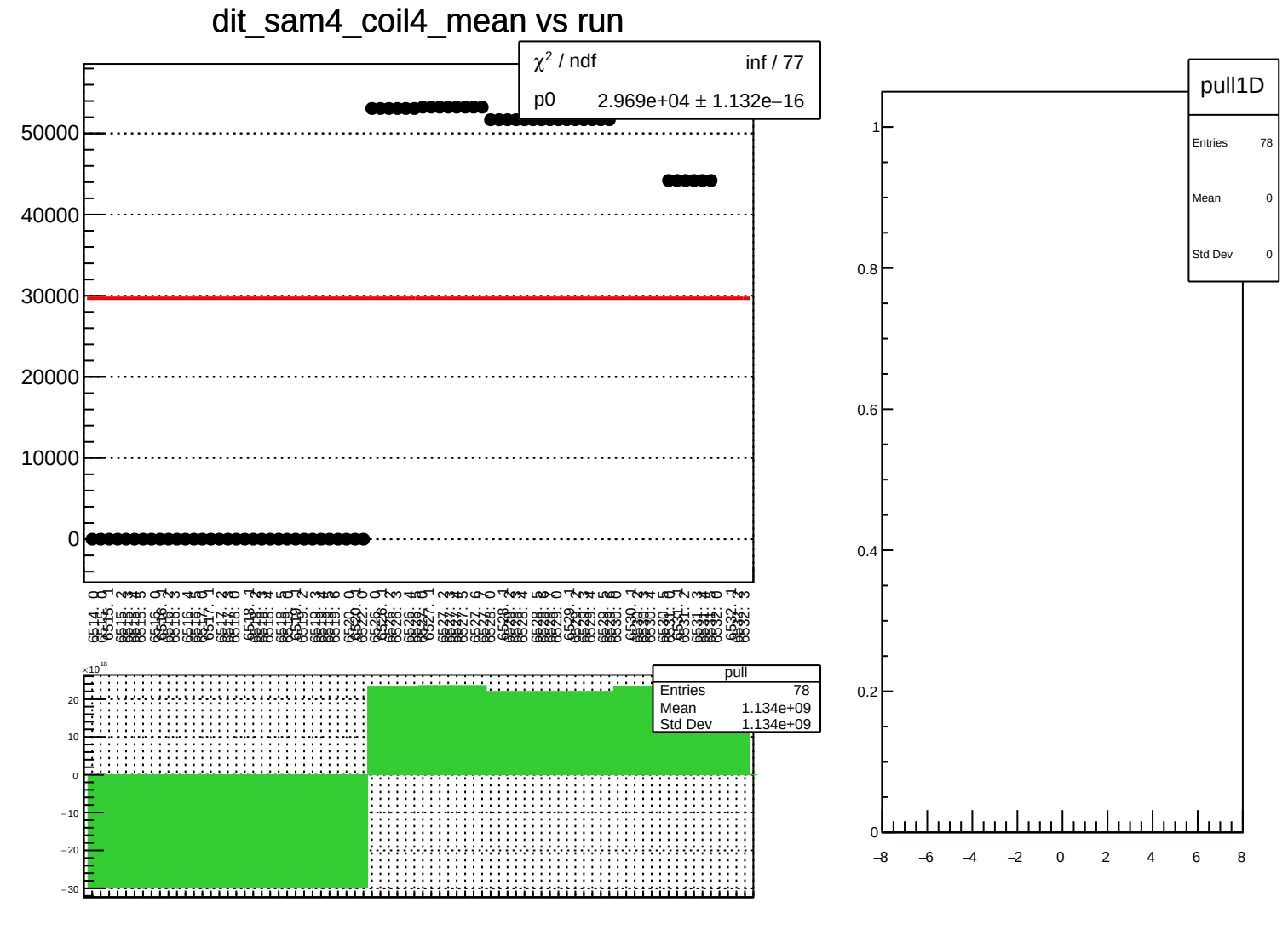

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

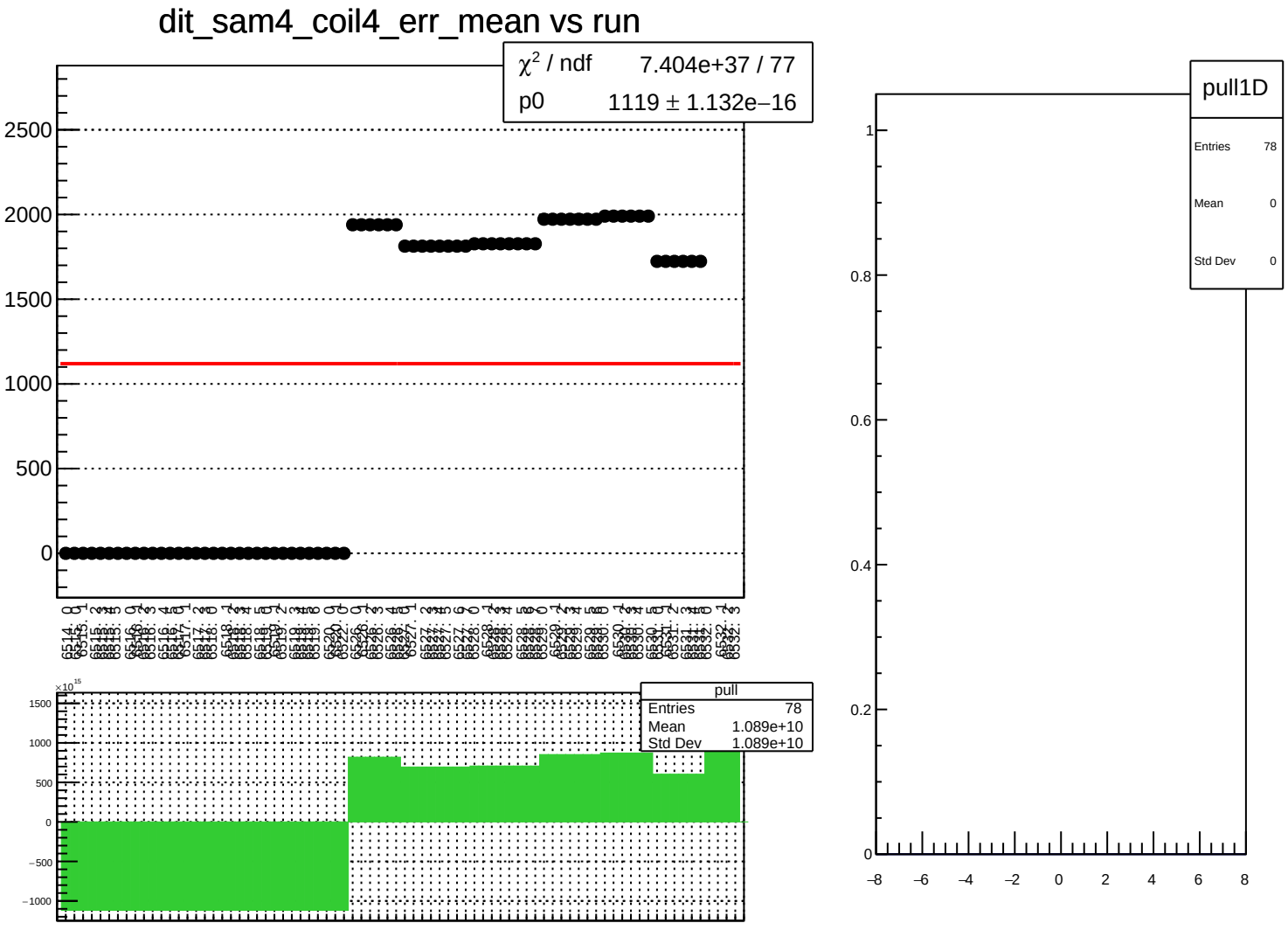

dit_sam3_coil4_err_mean vs run
χ² / ndf 2.372e+37 / 77
p0 631 ± 1.132e−16
pull
Entries 78
Mean −8.81e+08
Std Dev 8.81e+08

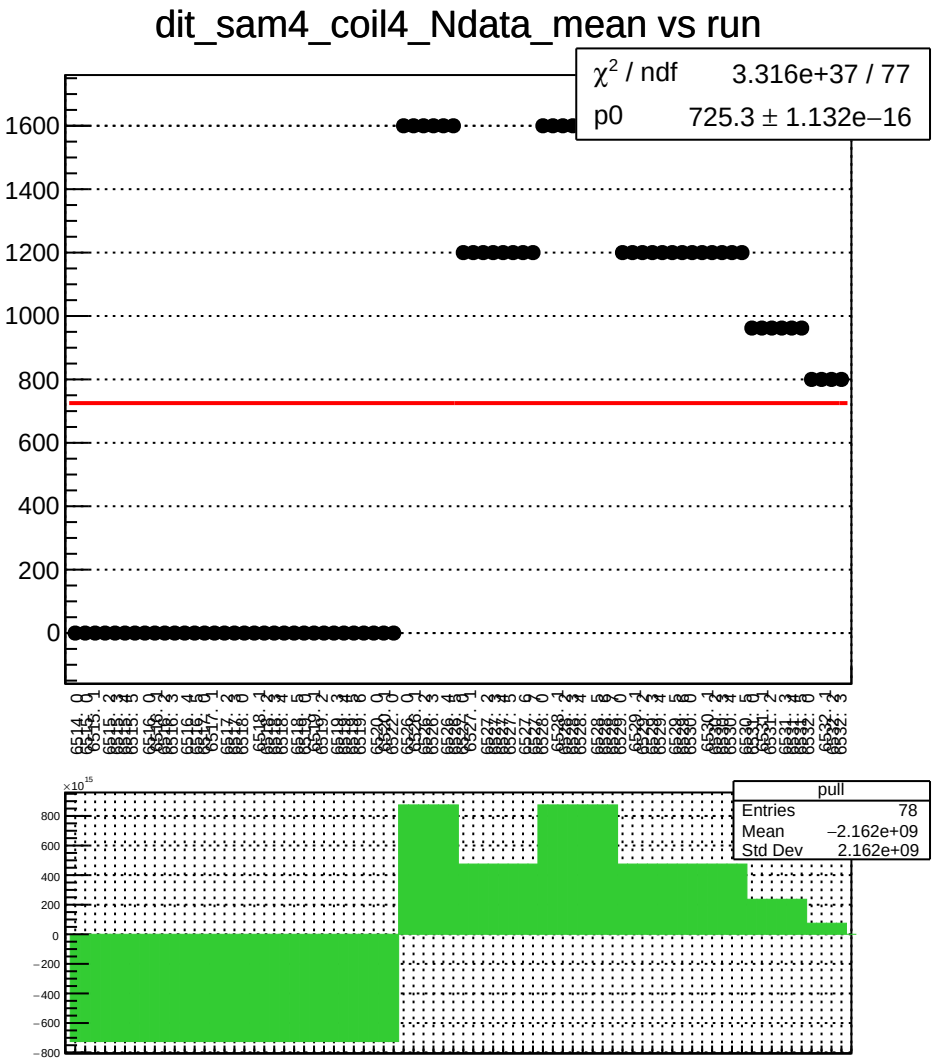

pull1D
Entries 78
Mean 0
Std Dev 0

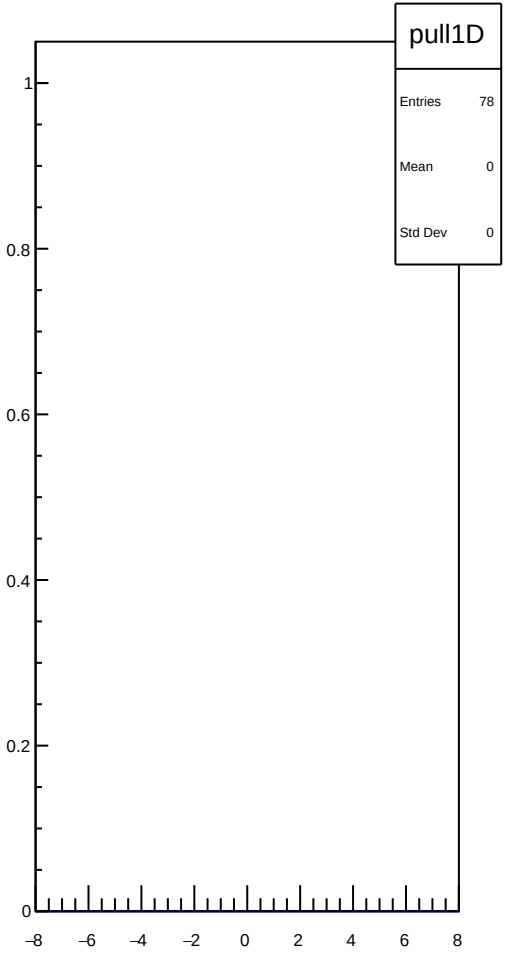

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

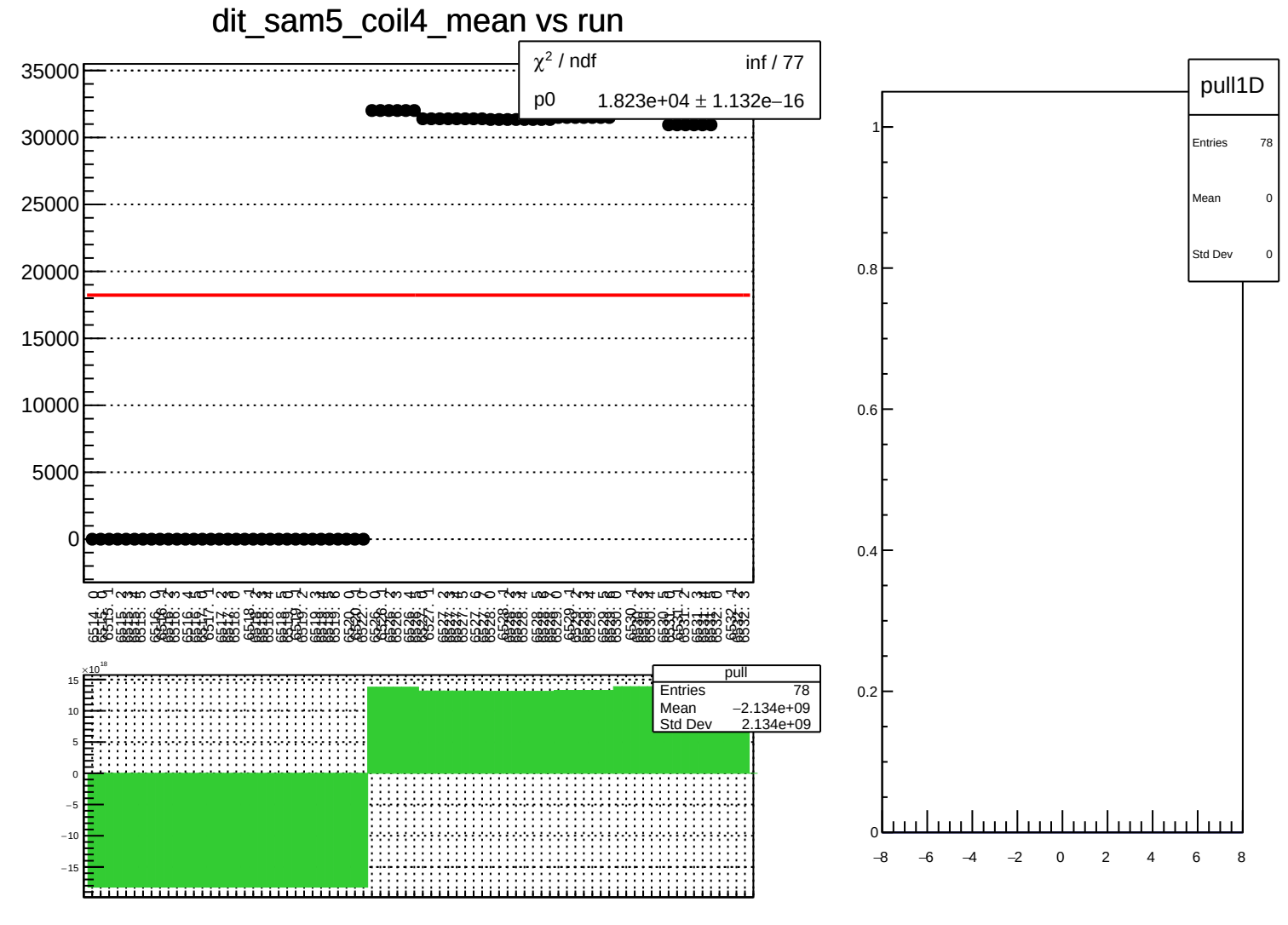

pull1D
Entries 78
Mean 0
Std Dev 0

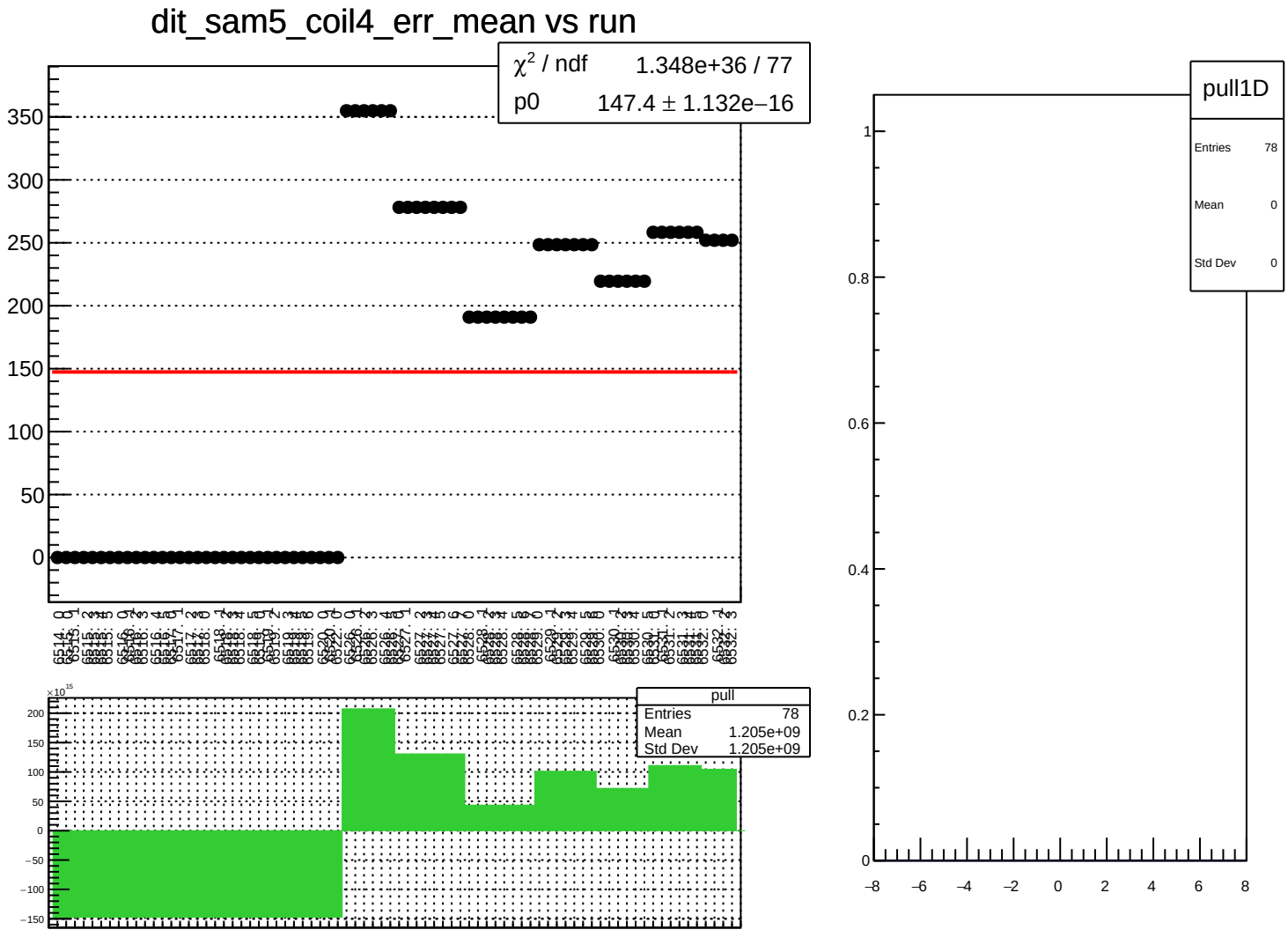

dit_sam4_coil4_mean vs run
χ² / ndf inf / 77
p0 2.969e+04 ± 1.132e−16
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 1.134e+09
Std Dev 1.134e+09
×10¹⁸
20
10
0
−10
−20
−30
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

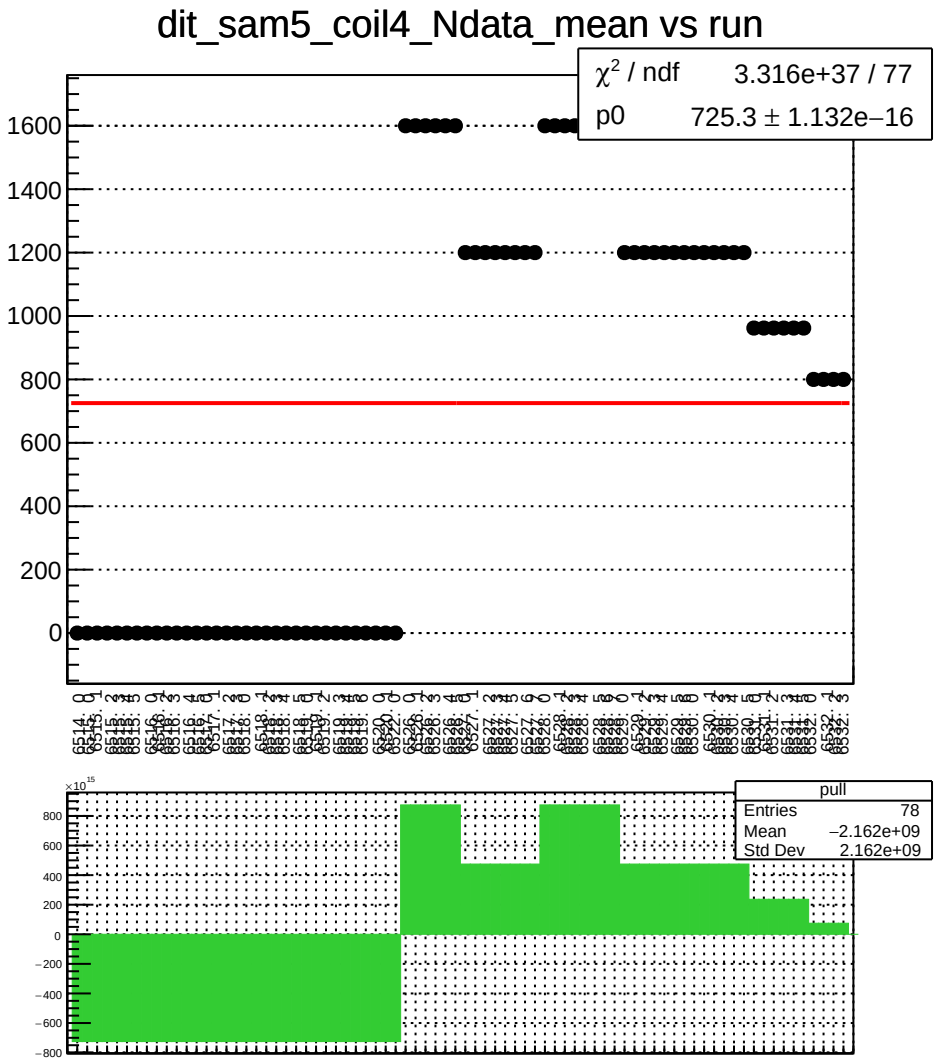

dit_sam4_coil4_err_mean vs run
χ² / ndf 7.404e+37 / 77
p0 1119 ± 1.132e−16
pull
Entries 78
Mean 1.089e+10
Std Dev 1.089e+10
pull1D
Entries 78
Mean 0
Std Dev 0

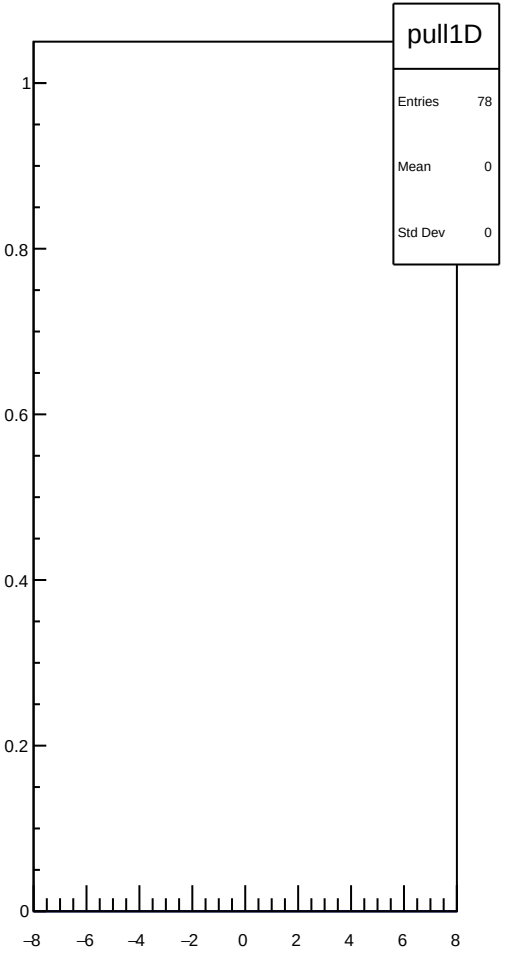

dit_sam4_coil4_Ndata_mean vs run
χ^2 / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

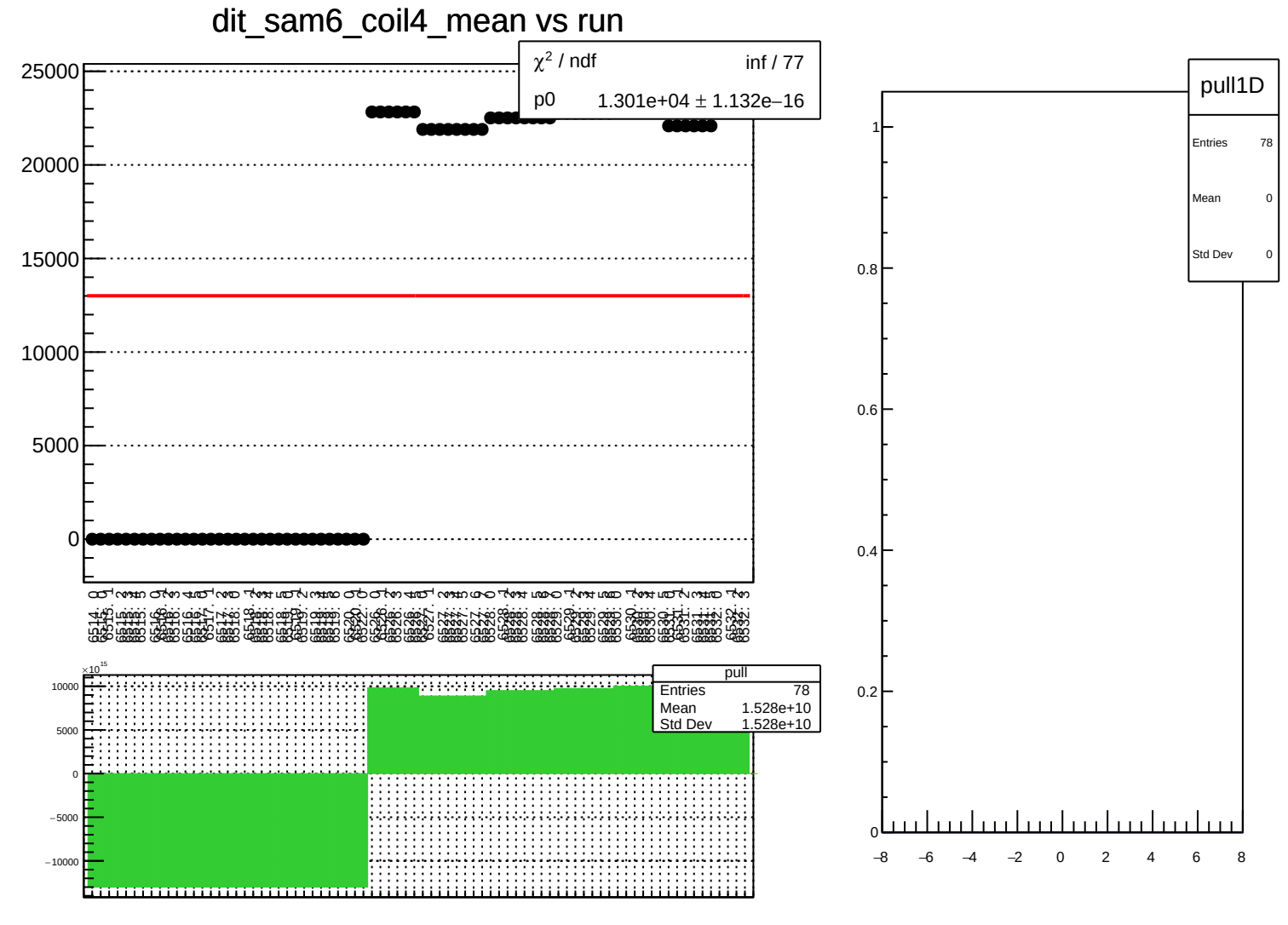

pull1D
Entries 78
Mean 0
Std Dev 0

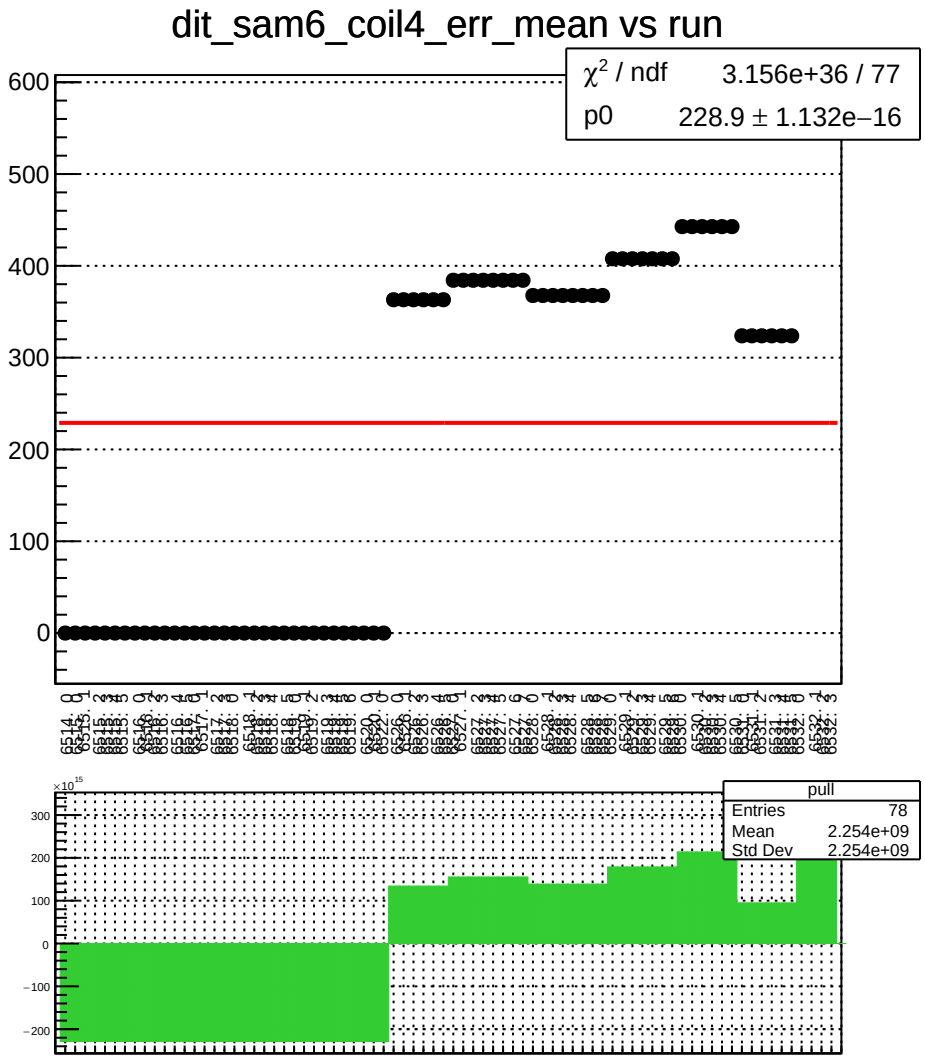

dit_sam5_coil4_mean vs run
χ² / ndf inf / 77
p0 1.823e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.134e+09
Std Dev 2.134e+09
×10¹⁸
15
10
5
0
−5
−10
−15
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

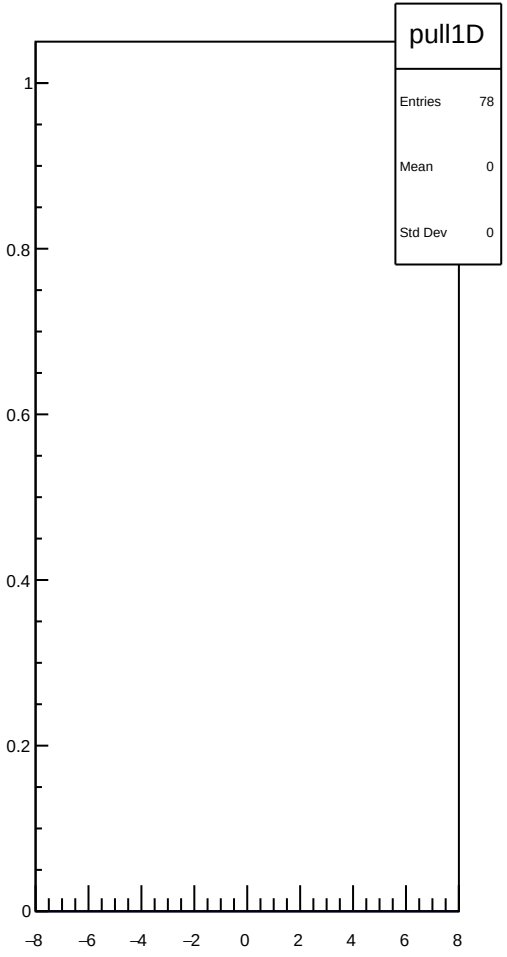

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.348e+36 / 77
p0 147.4 ± 1.132e−16
pull
Entries 78
Mean 1.205e+09
Std Dev 1.205e+09
pull1D
Entries 78
Mean 0
Std Dev 0

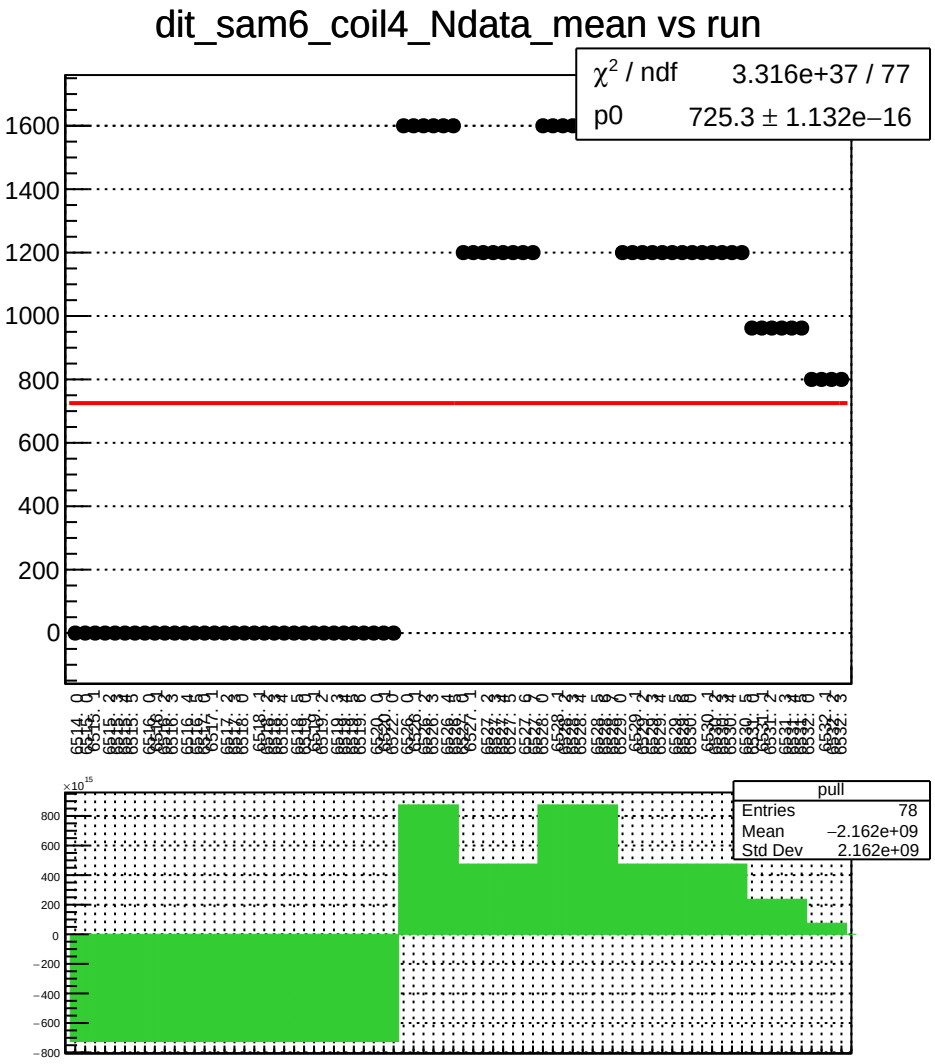

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

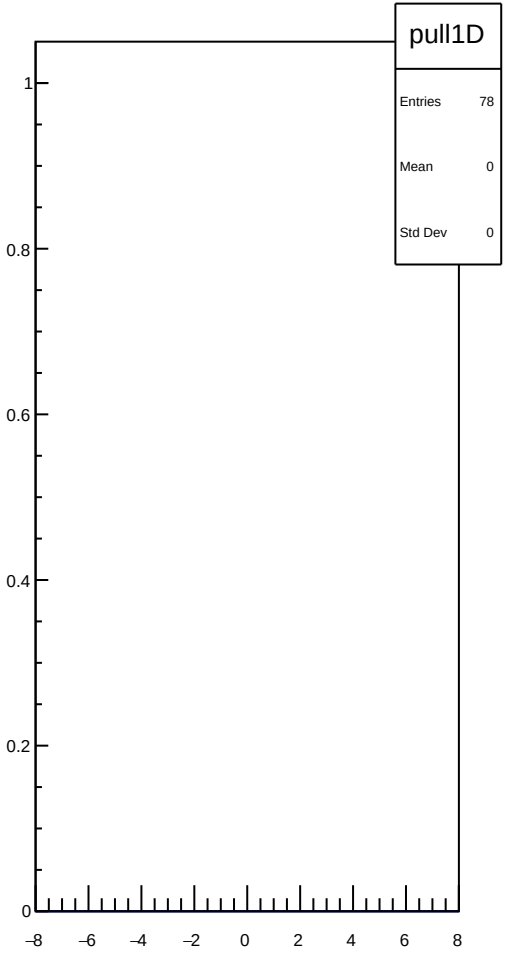

pull1D
Entries 78
Mean 0
Std Dev 0

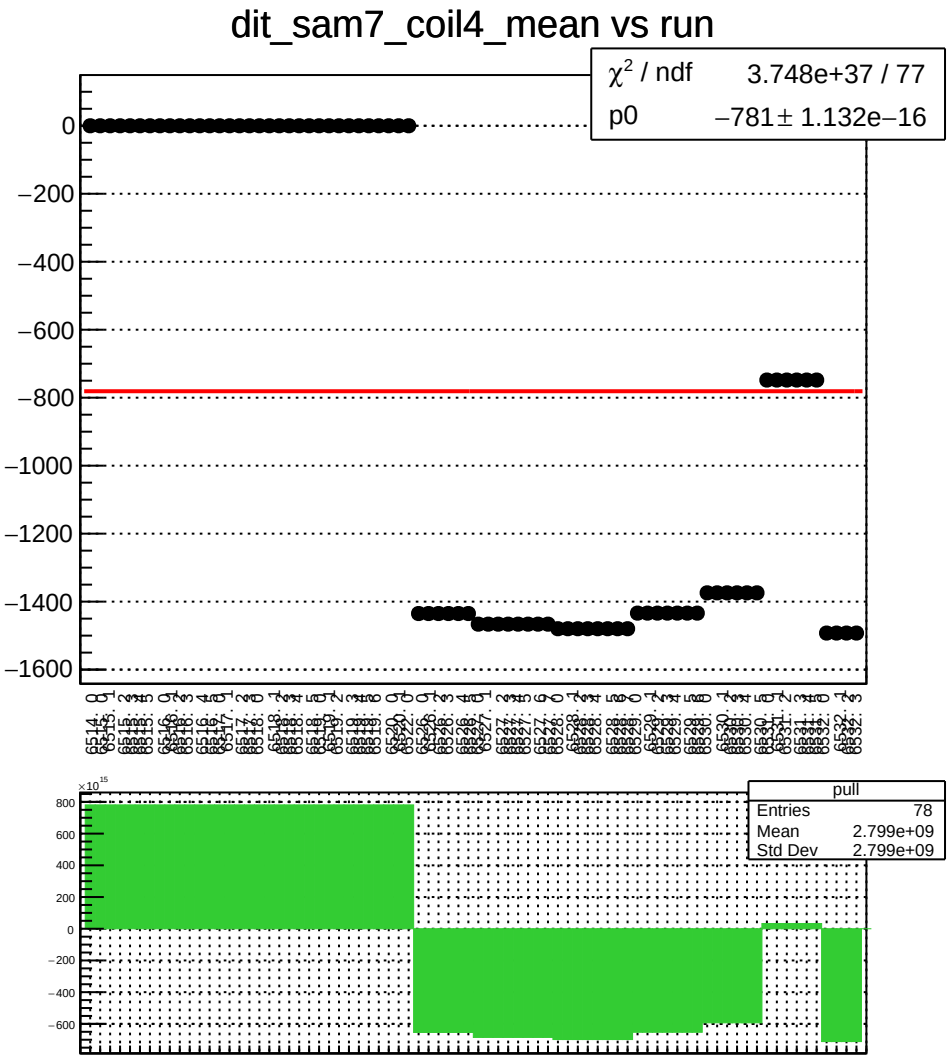

dit_sam6_coil4_mean vs run
χ² / ndf inf / 77
p0 1.301e+04 ± 1.132e−16
pull
Entries 78
Mean 1.528e+10
Std Dev 1.528e+10
pull1D
Entries 78
Mean 0
Std Dev 0

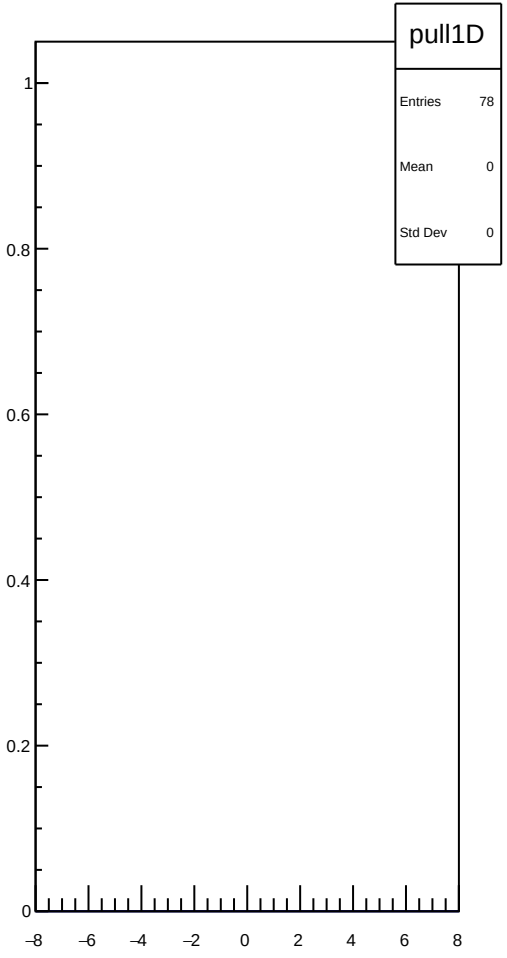

dit_sam6_coil4_err_mean vs run
χ^2 / ndf 3.156e+36 / 77
p0 228.9 ± 1.132e−16
pull
Entries 78
Mean 2.254e+09
Std Dev 2.254e+09

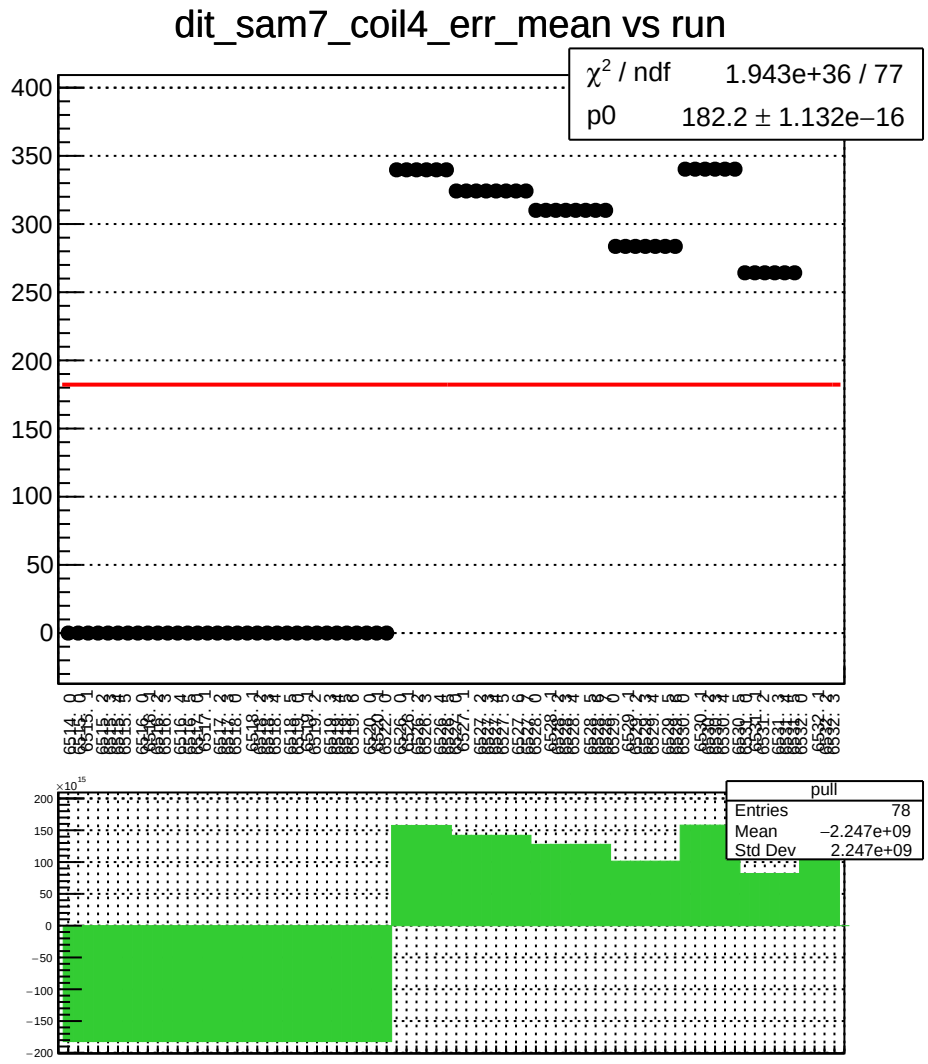

pull1D
Entries 78
Mean 0
Std Dev 0

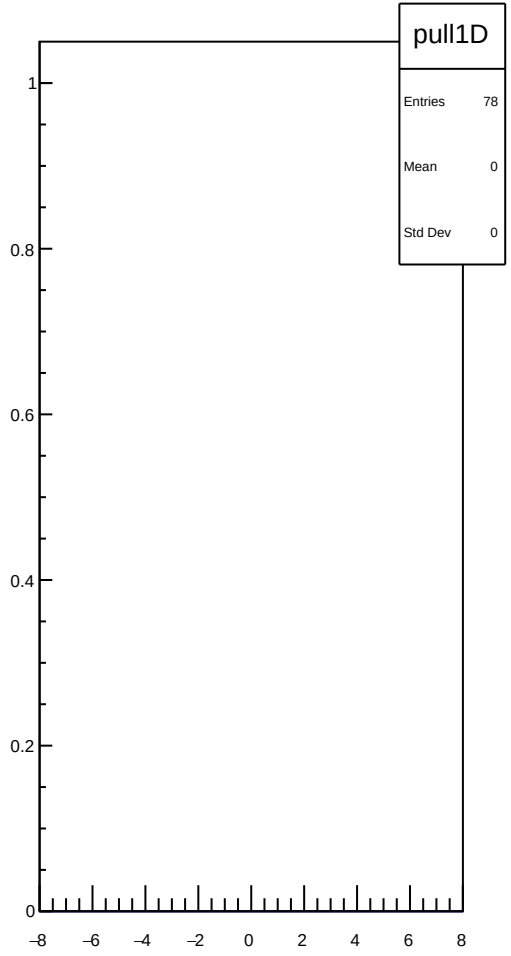

dit_sam6_coil4_Ndata_mean vs run
χ^2 / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

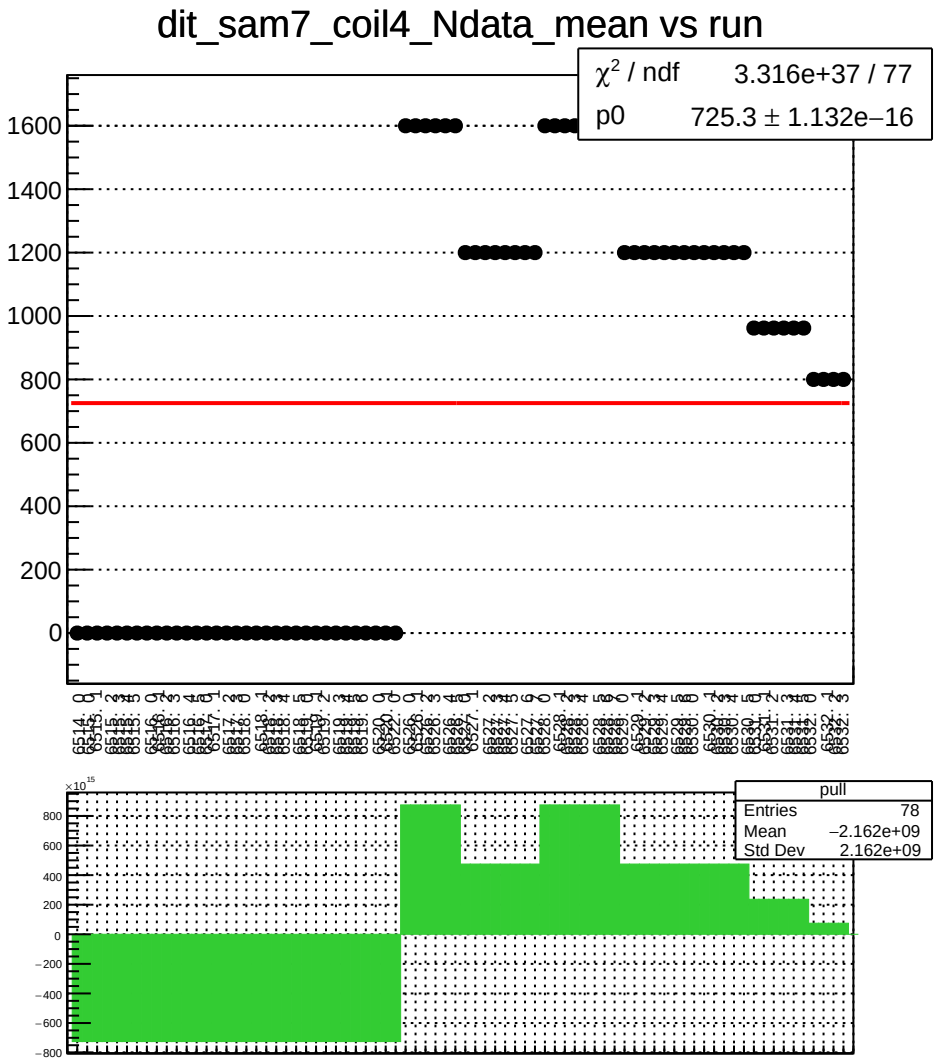

pull1D
Entries 78
Mean 0
Std Dev 0

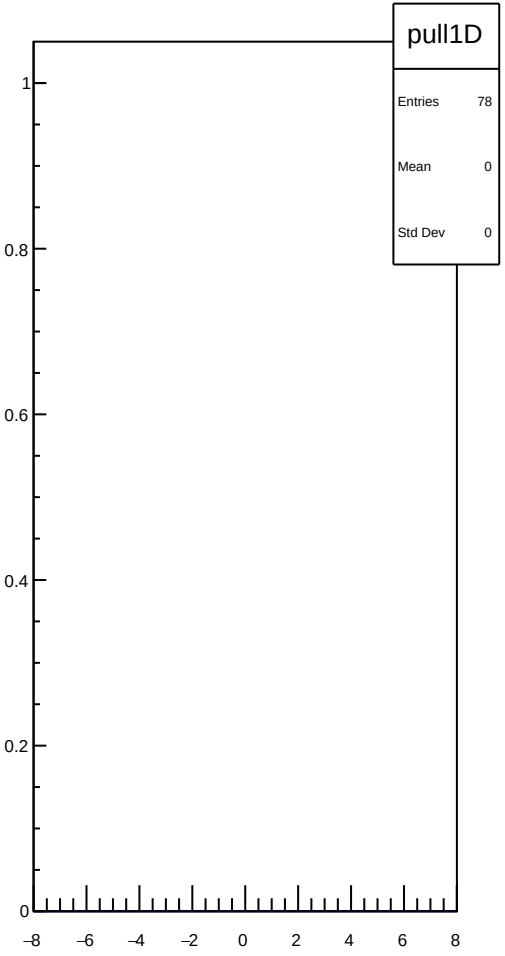

dit_sam7_coil4_mean vs run
χ^2 / ndf 3.748e+37 / 77
p0 −781 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 78
Mean 2.799e+09
Std Dev 2.799e+09
800
600
400
200
0
−200
−400
−600

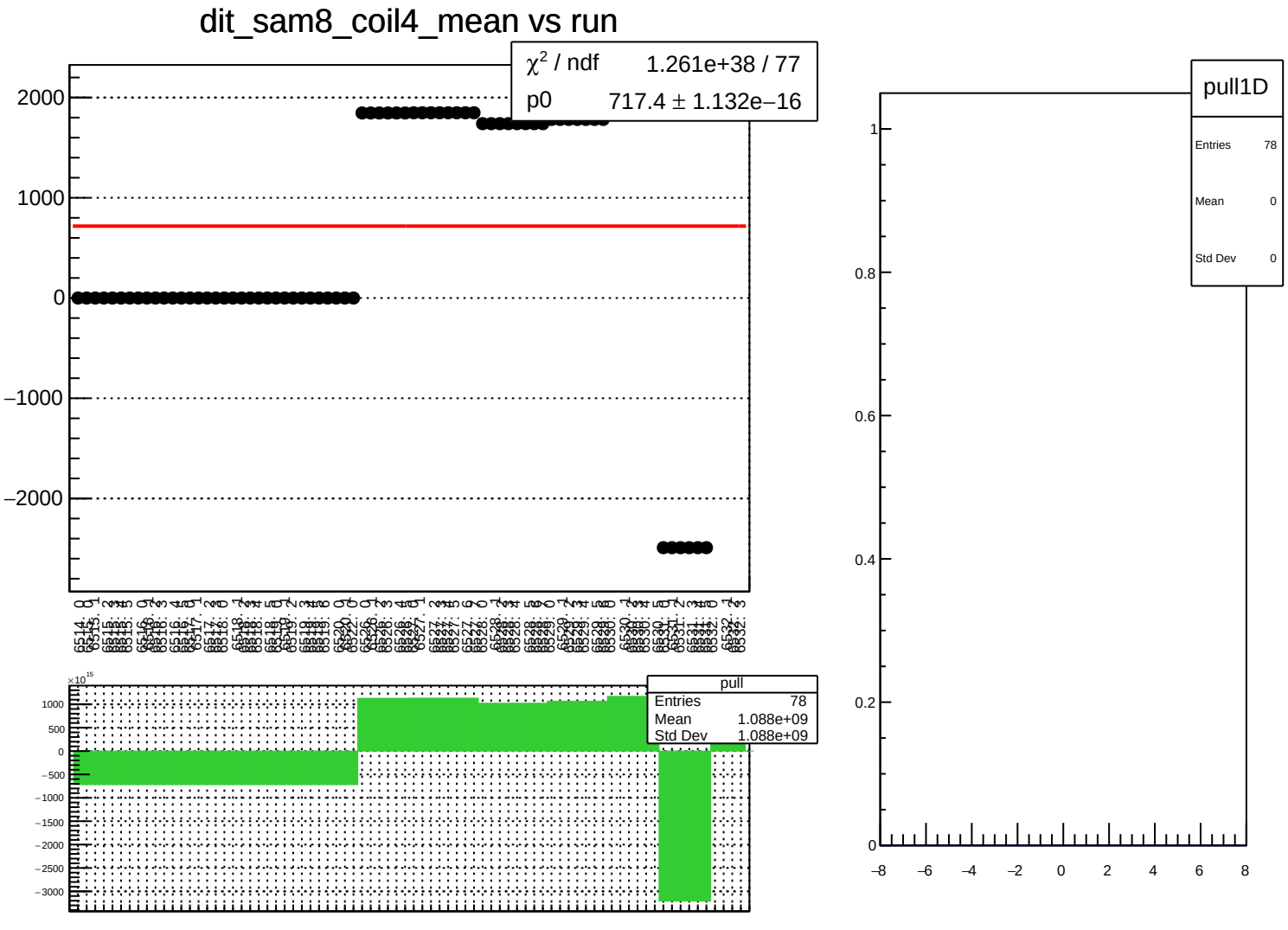

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

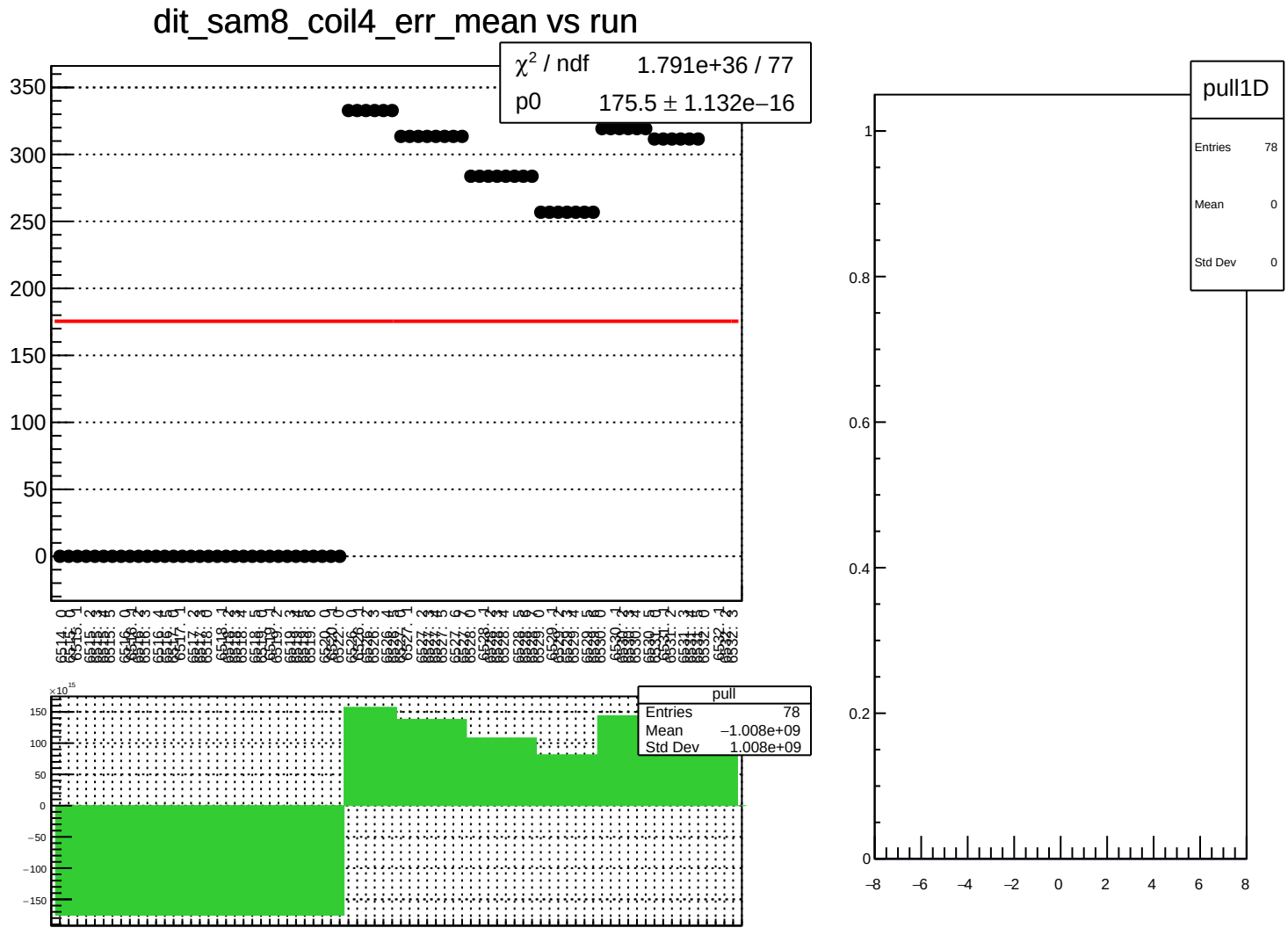

dit_sam7_coil4_err_mean vs run
χ² / ndf 1.943e+36 / 77
p0 182.2 ± 1.132e−16
pull
Entries 78
Mean −2.247e+09
Std Dev 2.247e+09

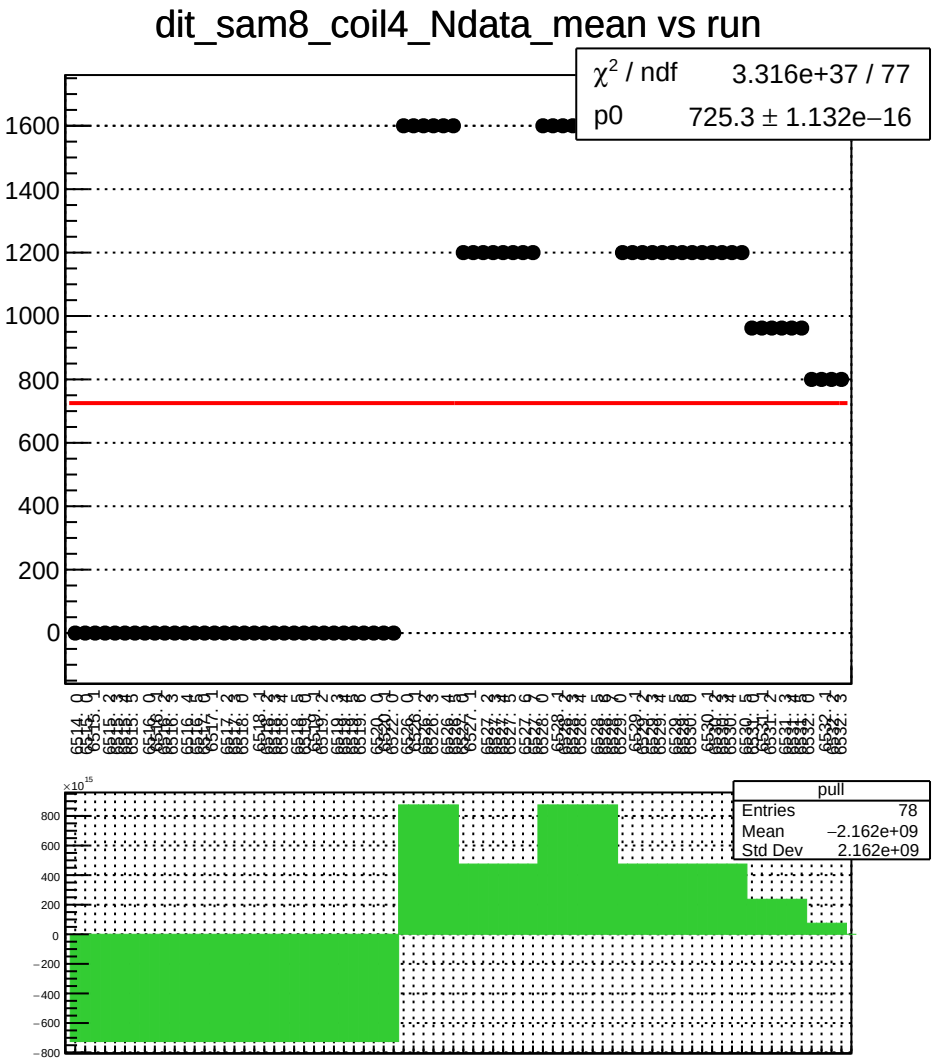

pull1D
Entries 78
Mean 0
Std Dev 0

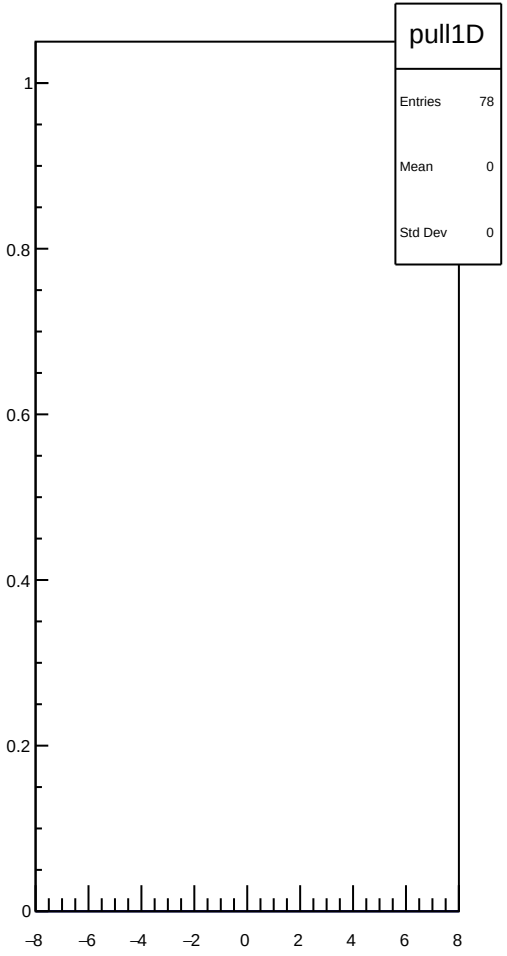

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09

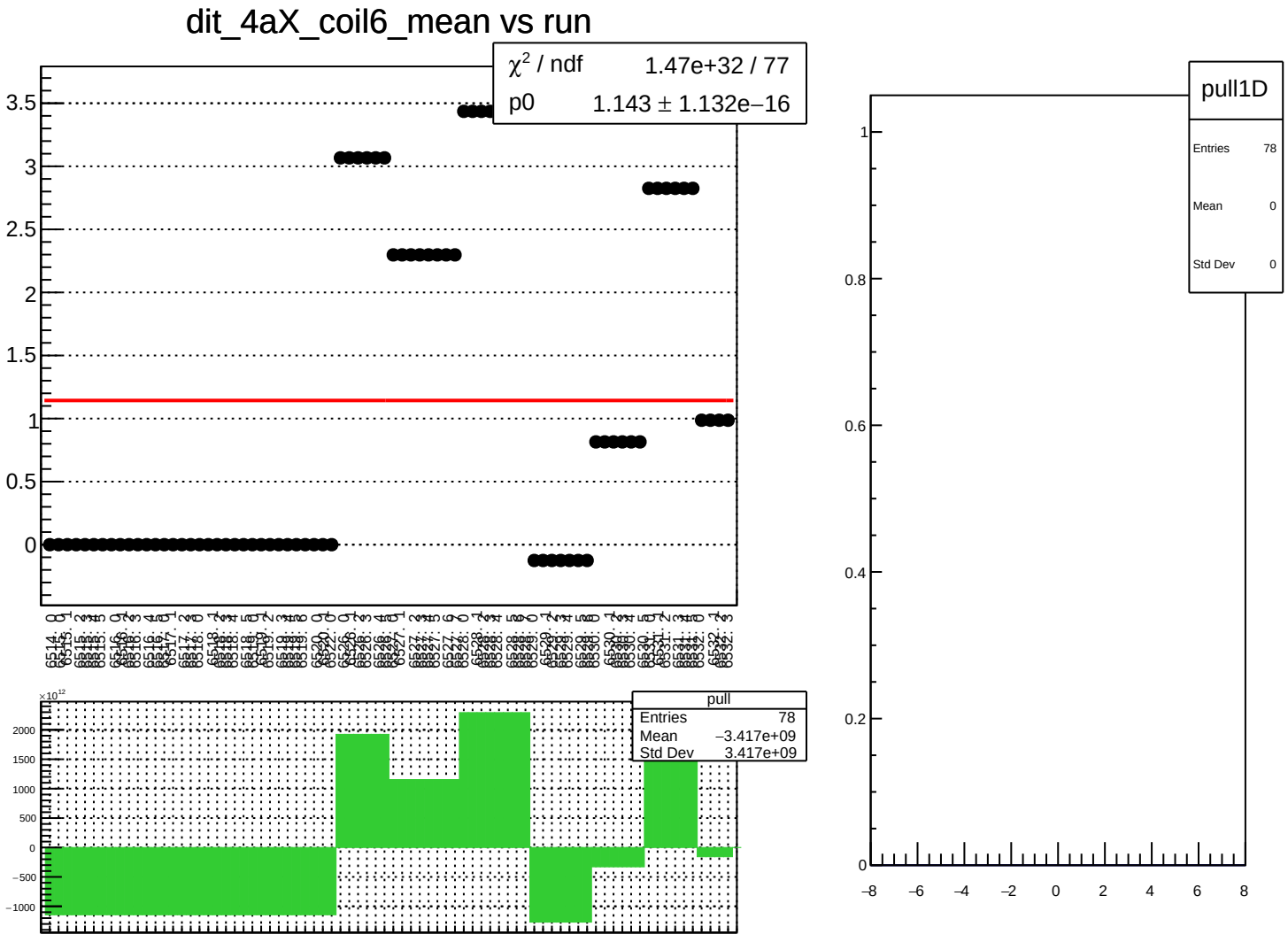

pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam8_coil4_mean vs run
χ^2 / ndf 1.261e+38 / 77
p0 717.4 ± 1.132e−16
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 1.088e+09
Std Dev 1.088e+09
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

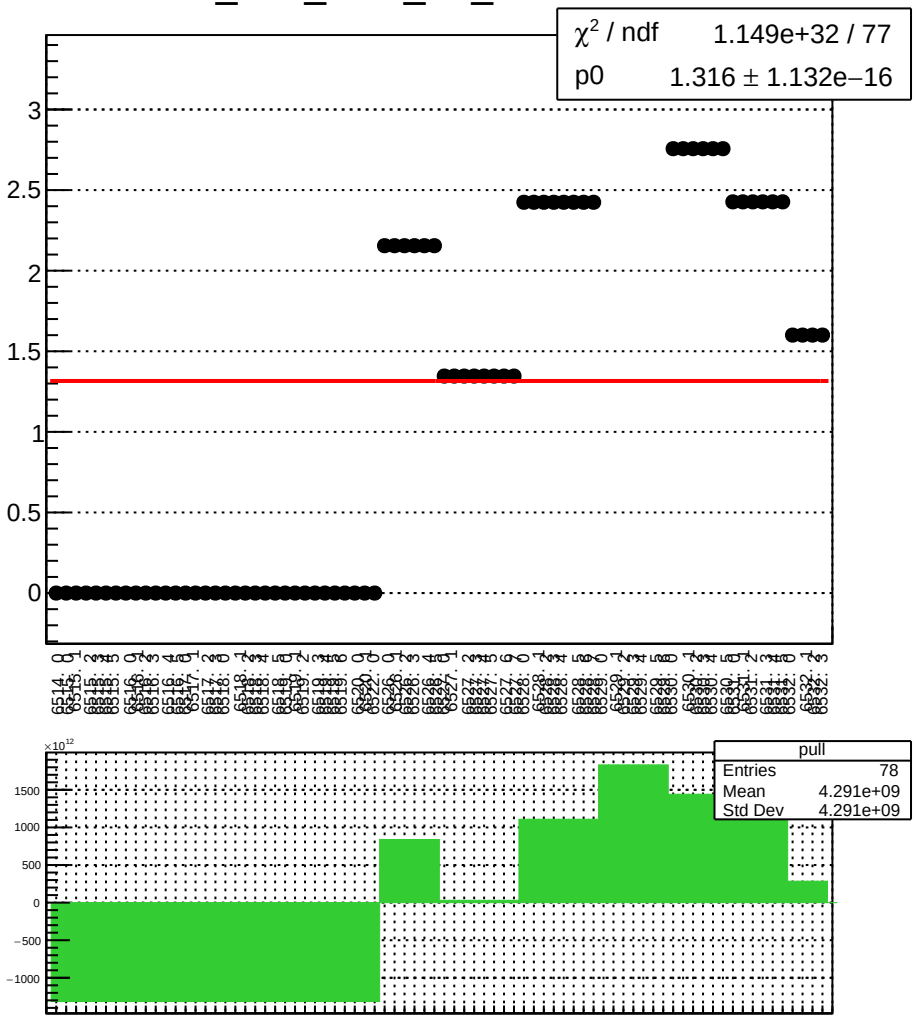

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.791e+36 / 77
p0 175.5 ± 1.132e−16
pull
Entries 78
Mean −1.008e+09
Std Dev 1.008e+09
pull1D
Entries 78
Mean 0
Std Dev 0

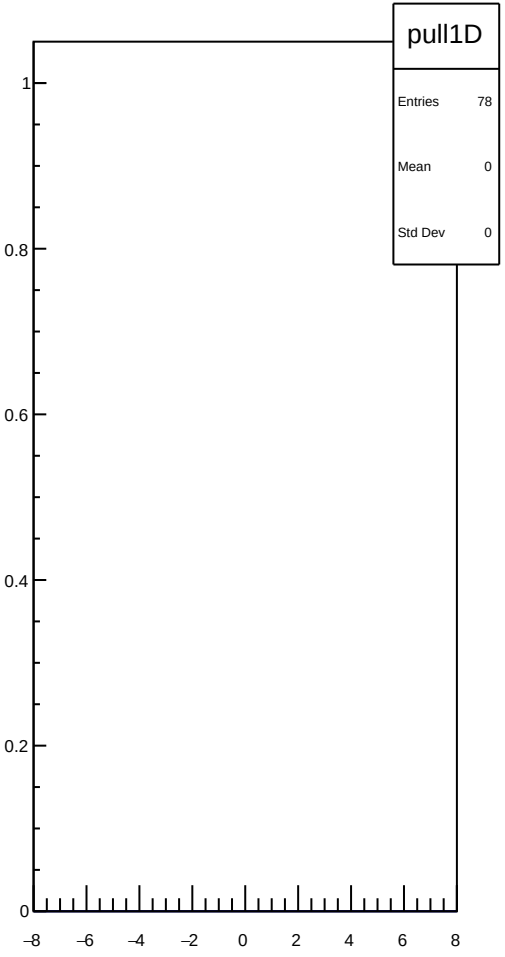

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 3.316e+37 / 77
p0 725.3 ± 1.132e−16
pull
Entries 78
Mean −2.162e+09
Std Dev 2.162e+09


pull1D
Entries 78
Mean 0
Std Dev 0

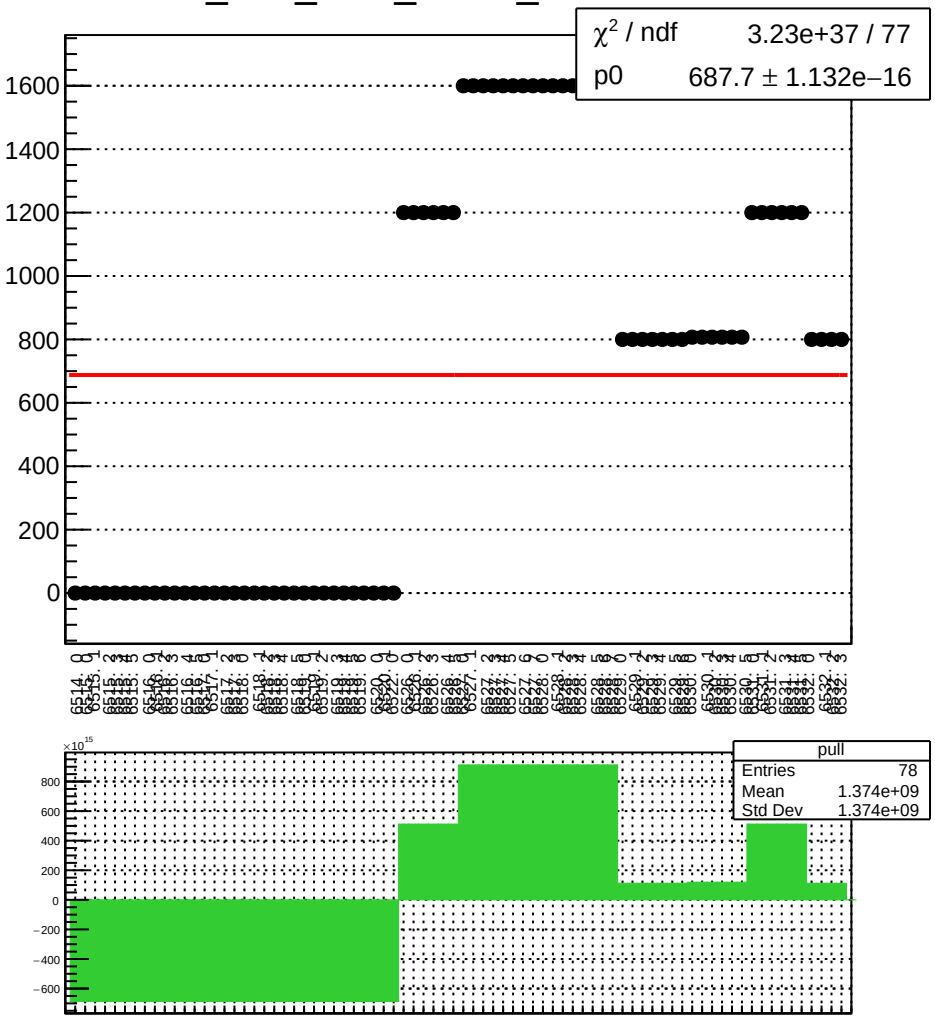

dit_4aX_coil6_mean vs run
χ^2 / ndf 1.47e+32 / 77
p0 1.143 ± 1.132e−16
pull
Entries 78
Mean −3.417e+09
Std Dev 3.417e+09
pull1D
Entries 78
Mean 0
Std Dev 0

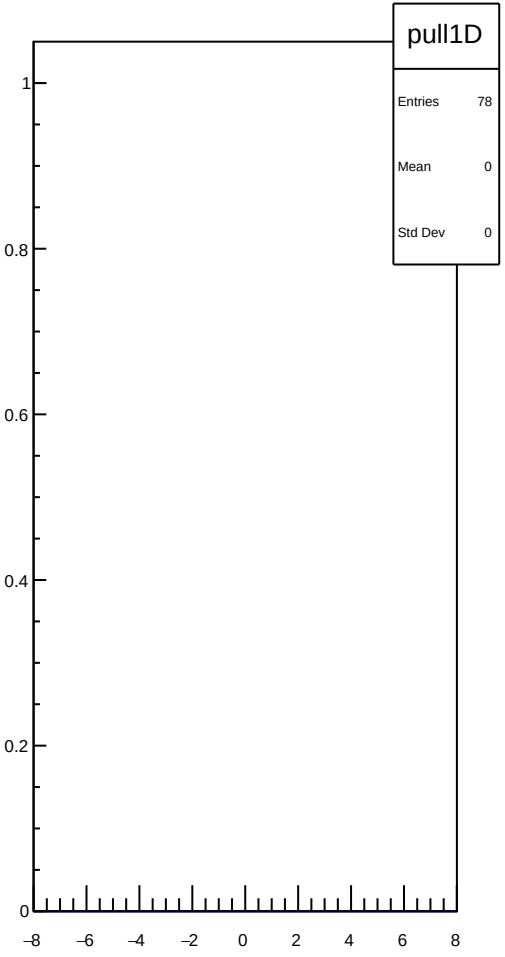
dit_4aX_coil6_err_mean vs run

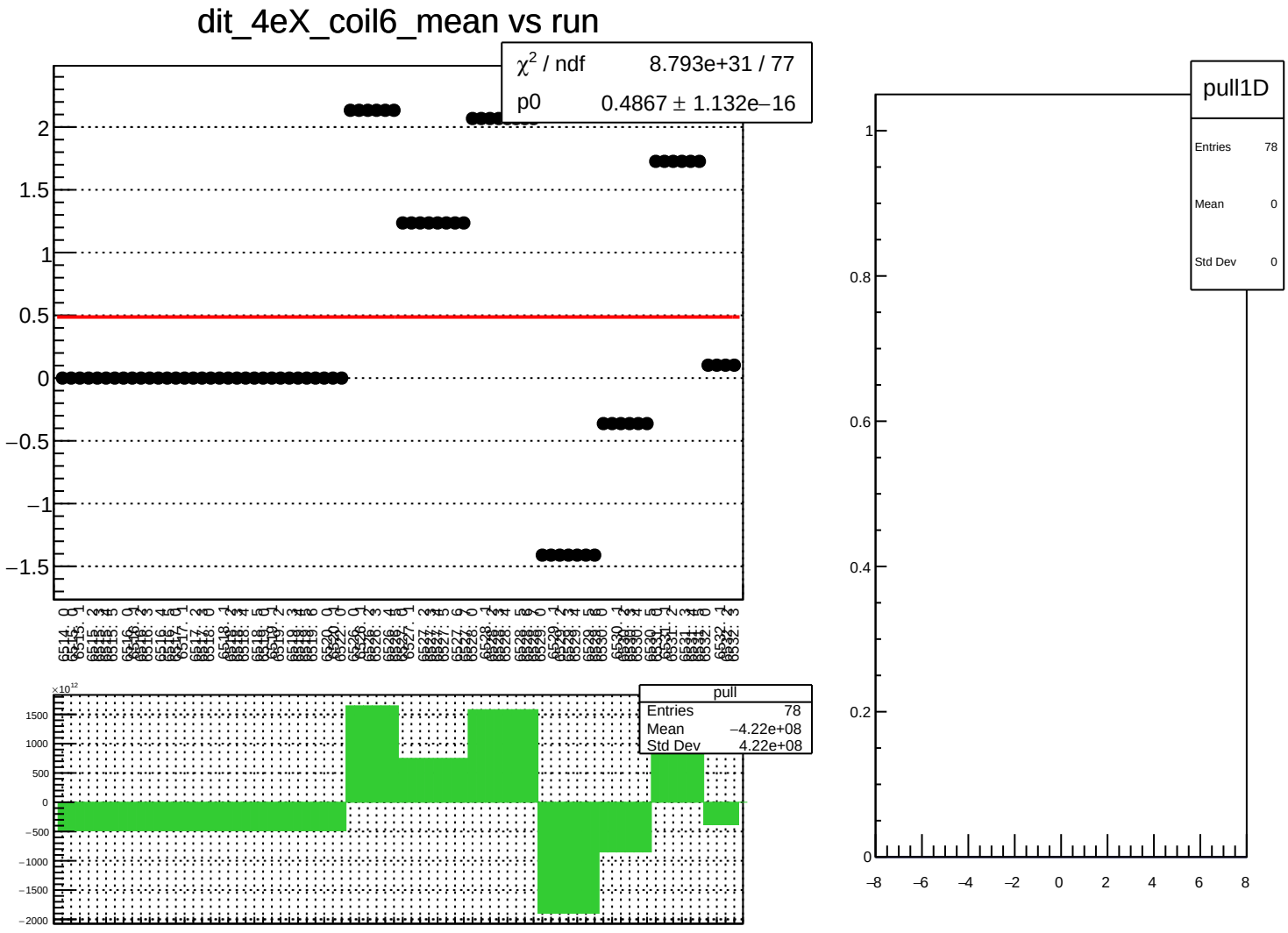




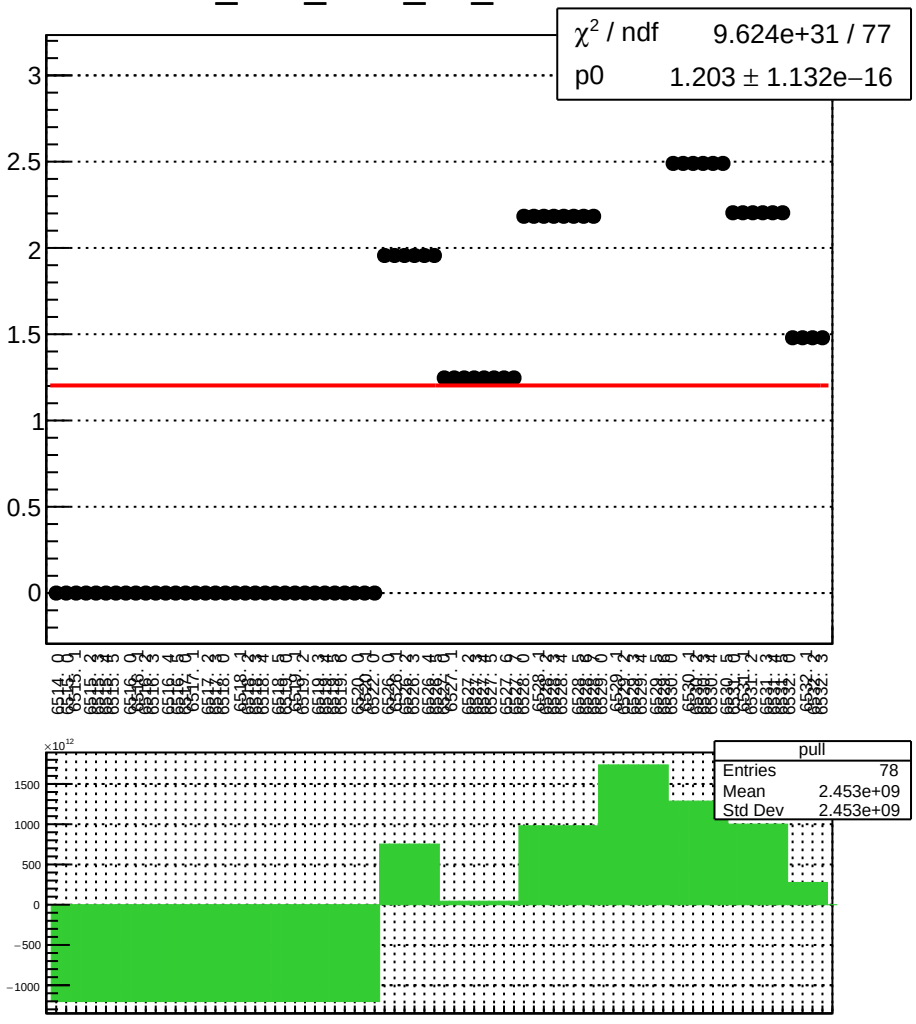
dit_4aX_coil6_Ndata_mean vs run

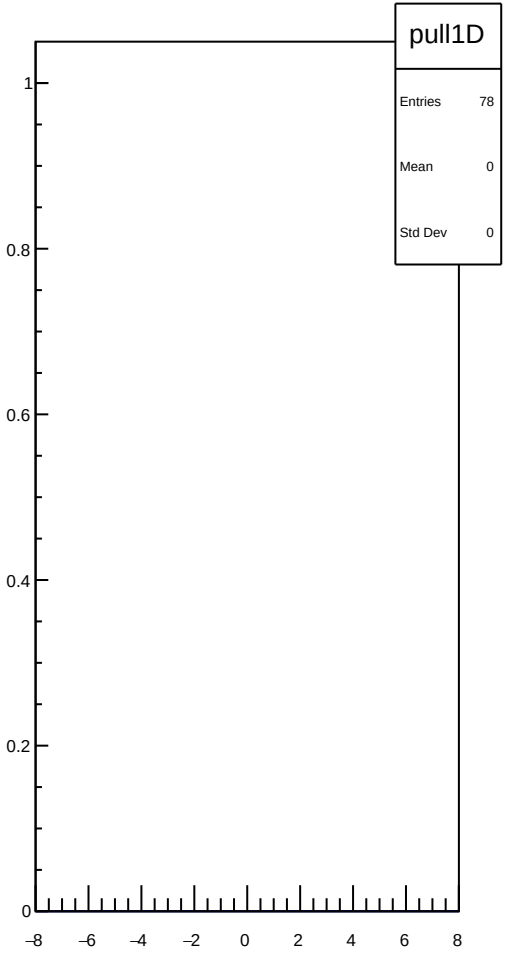




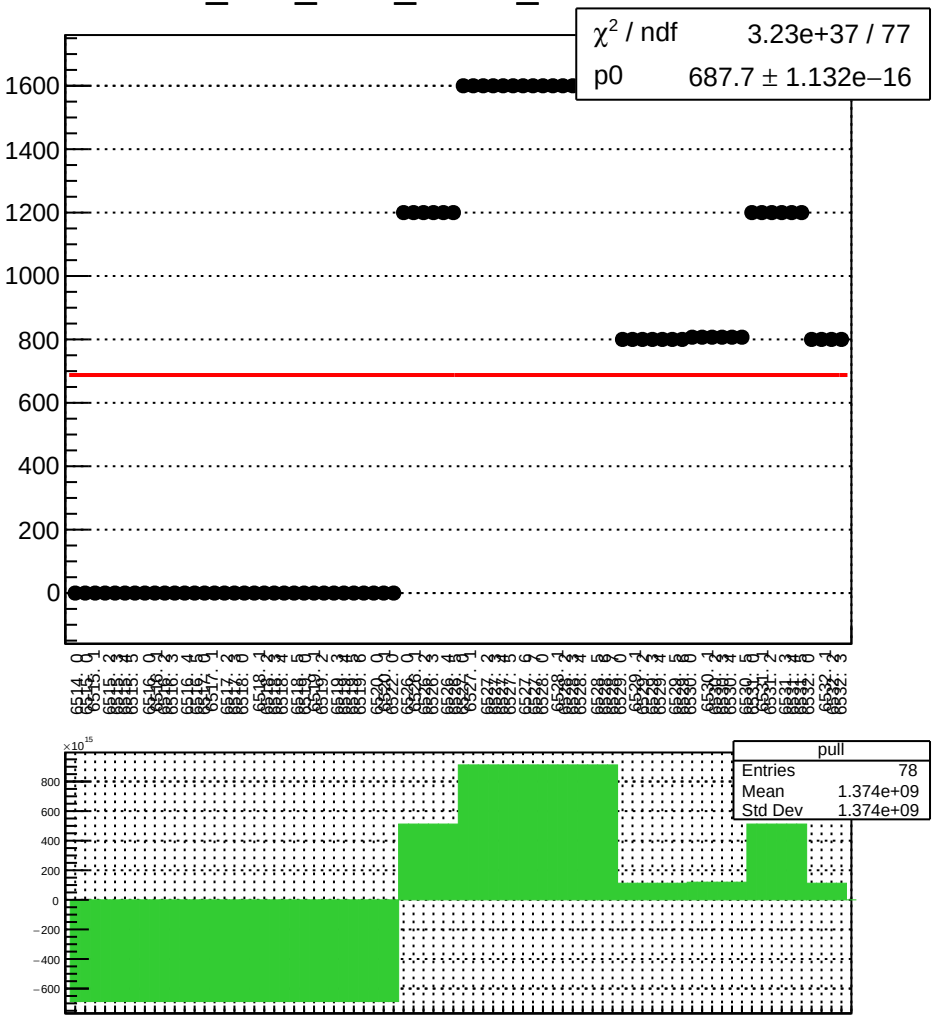

dit_4eX_coil6_mean vs run
χ² / ndf 8.793e+31 / 77
p0 0.4867 ± 1.132e−16
pull
Entries 78
Mean −4.22e+08
Std Dev 4.22e+08
pull1D
Entries 78
Mean 0
Std Dev 0

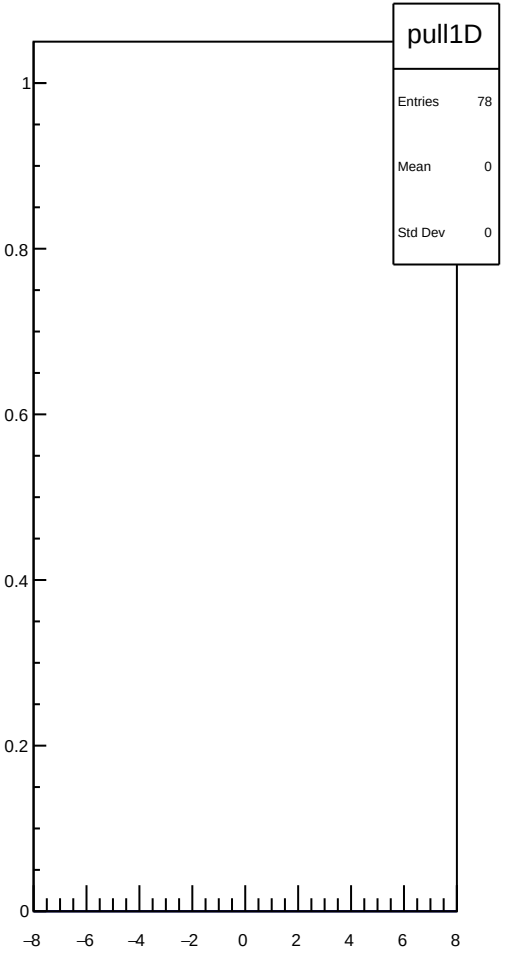
dit_4eX_coil6_err_mean vs run



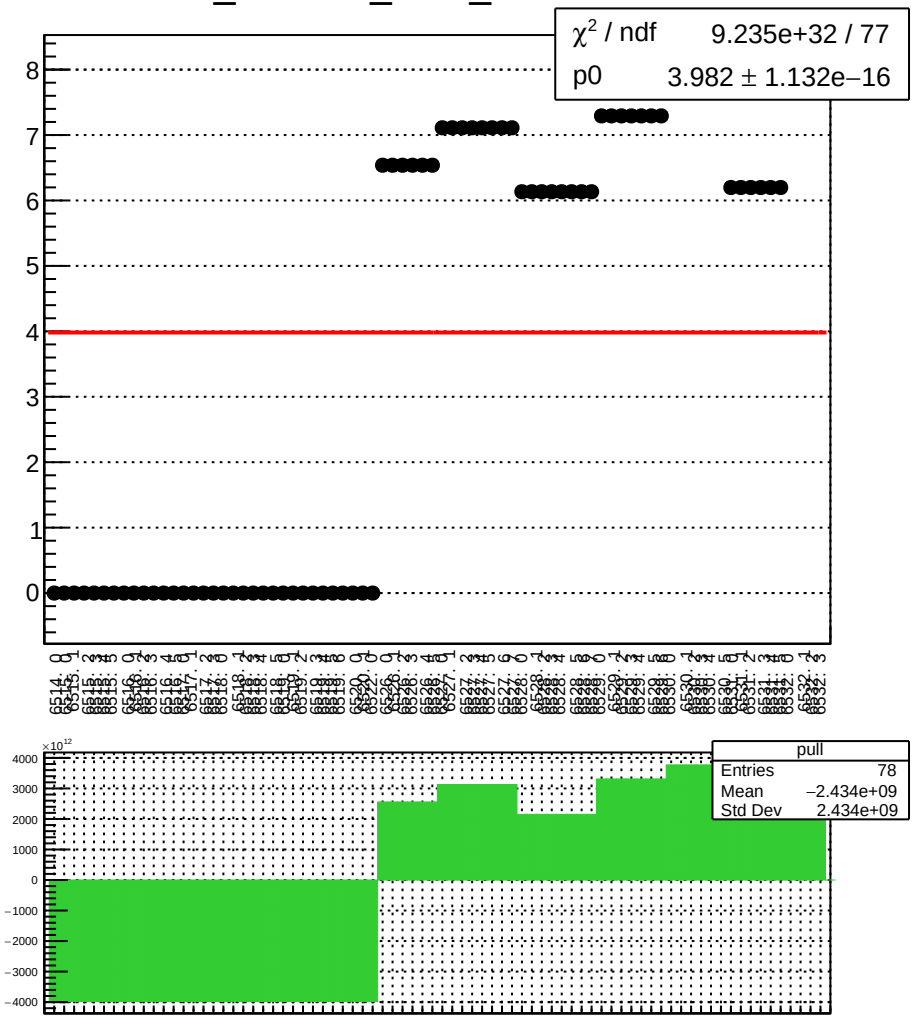


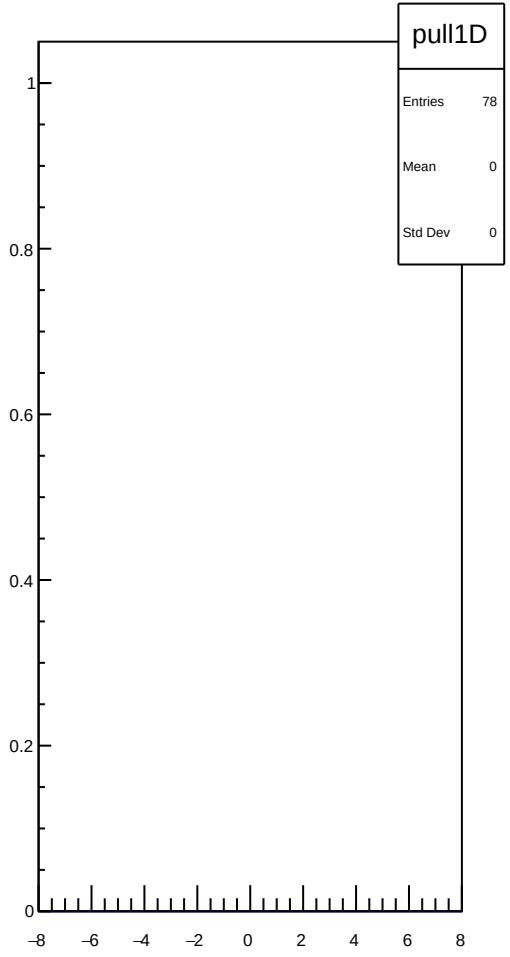
dit_4eX_coil6_Ndata_mean vs run



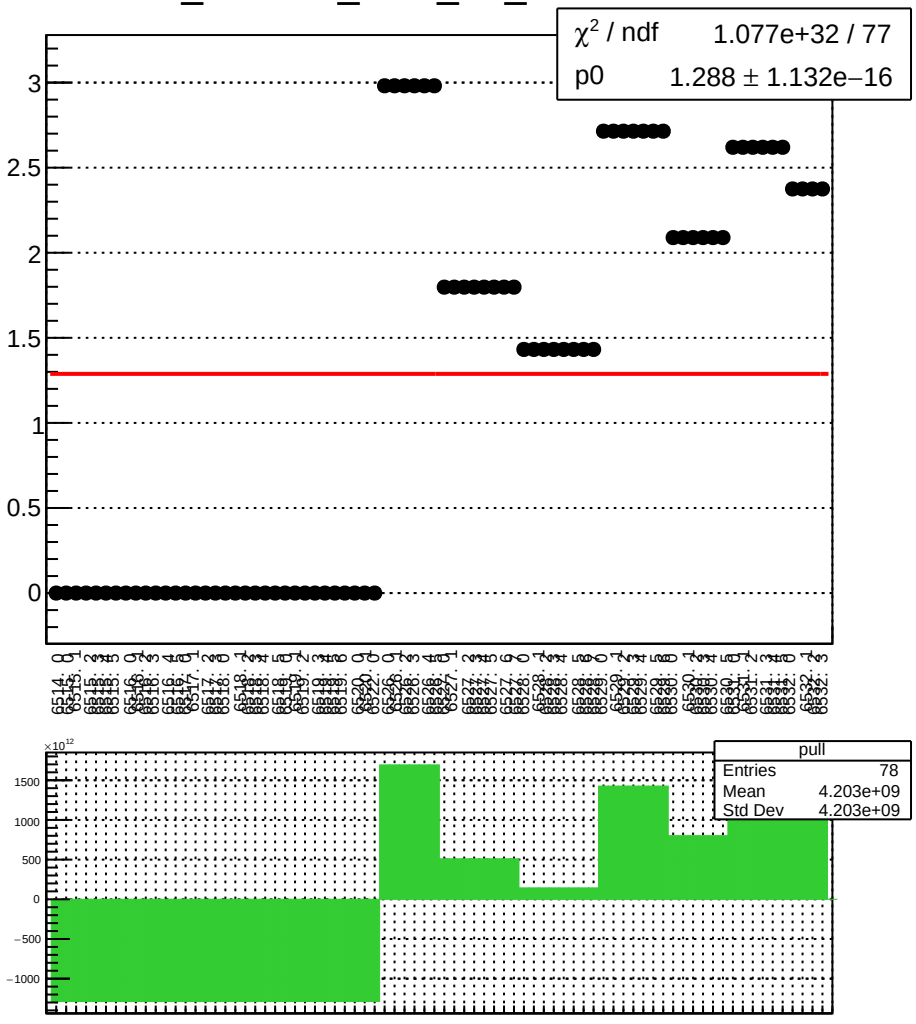


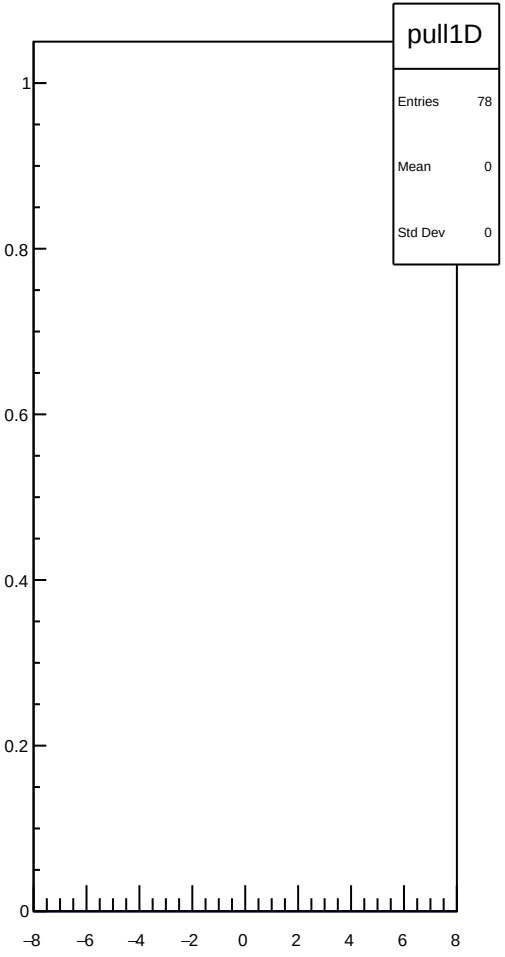
dit_11X12X_coil6_mean vs run



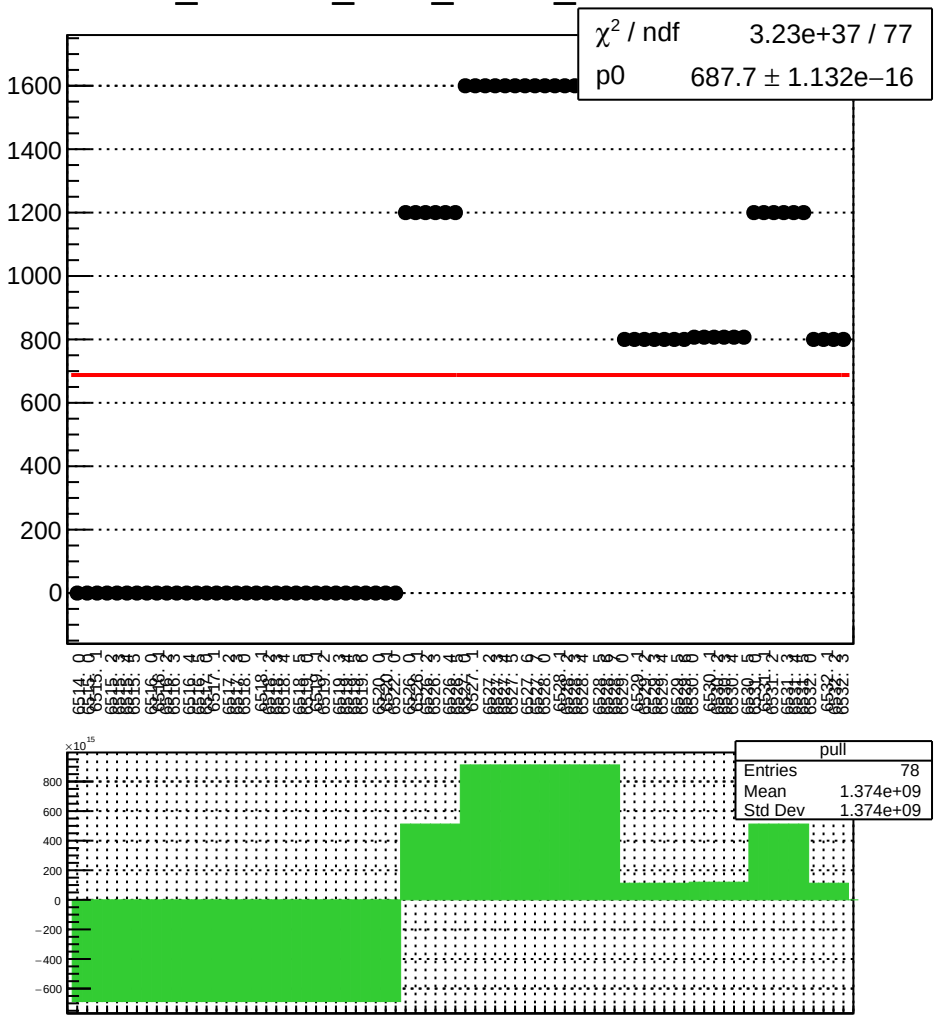


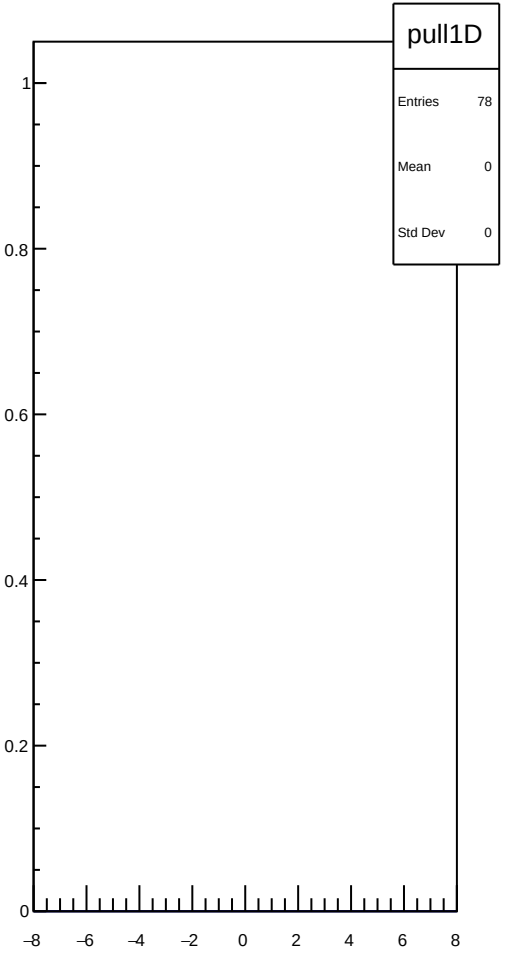
dit_11X12X_coil6_err_mean vs run

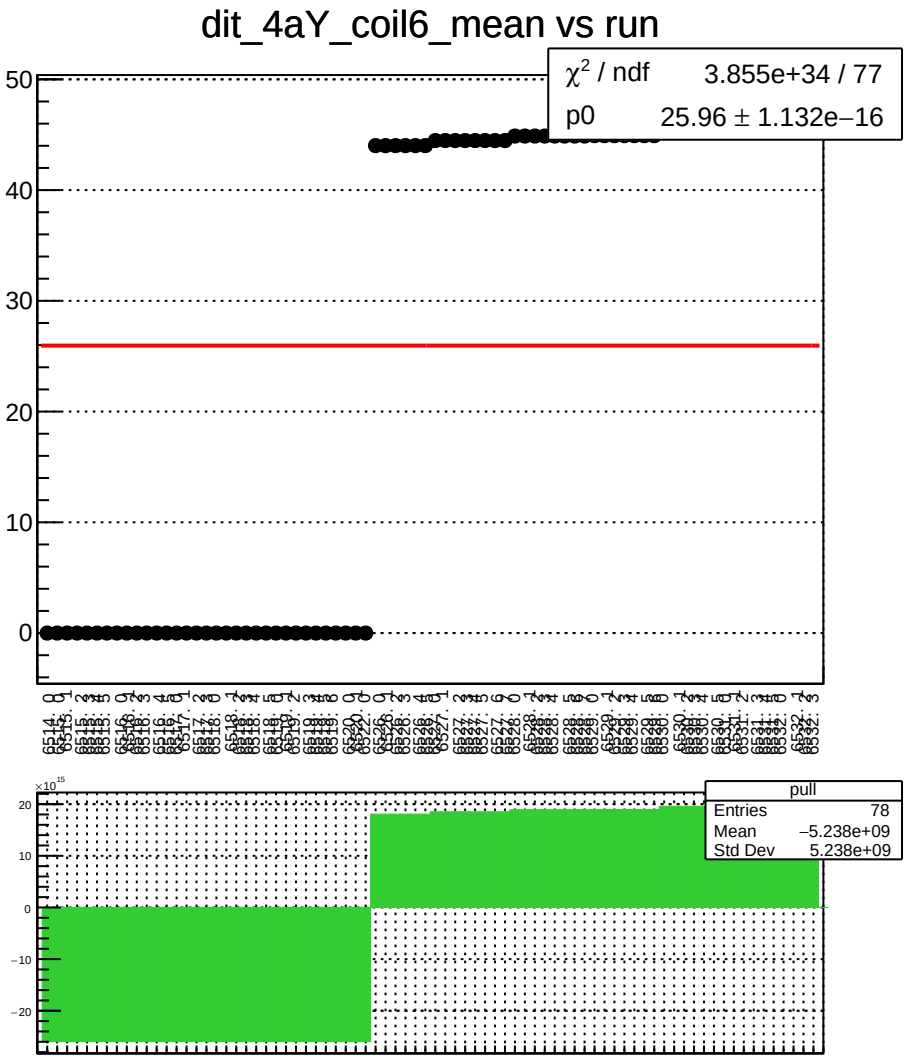


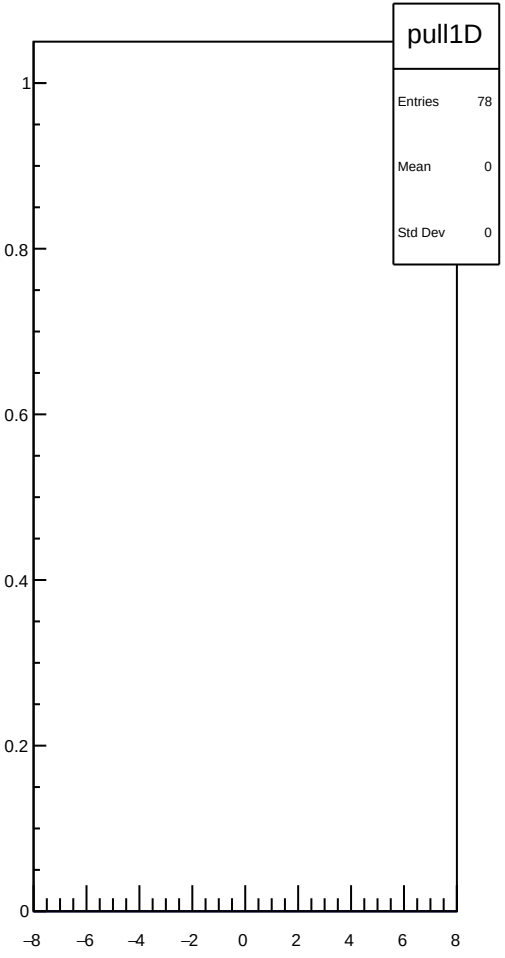


dit_11X12X_coil6_Ndata_mean vs run

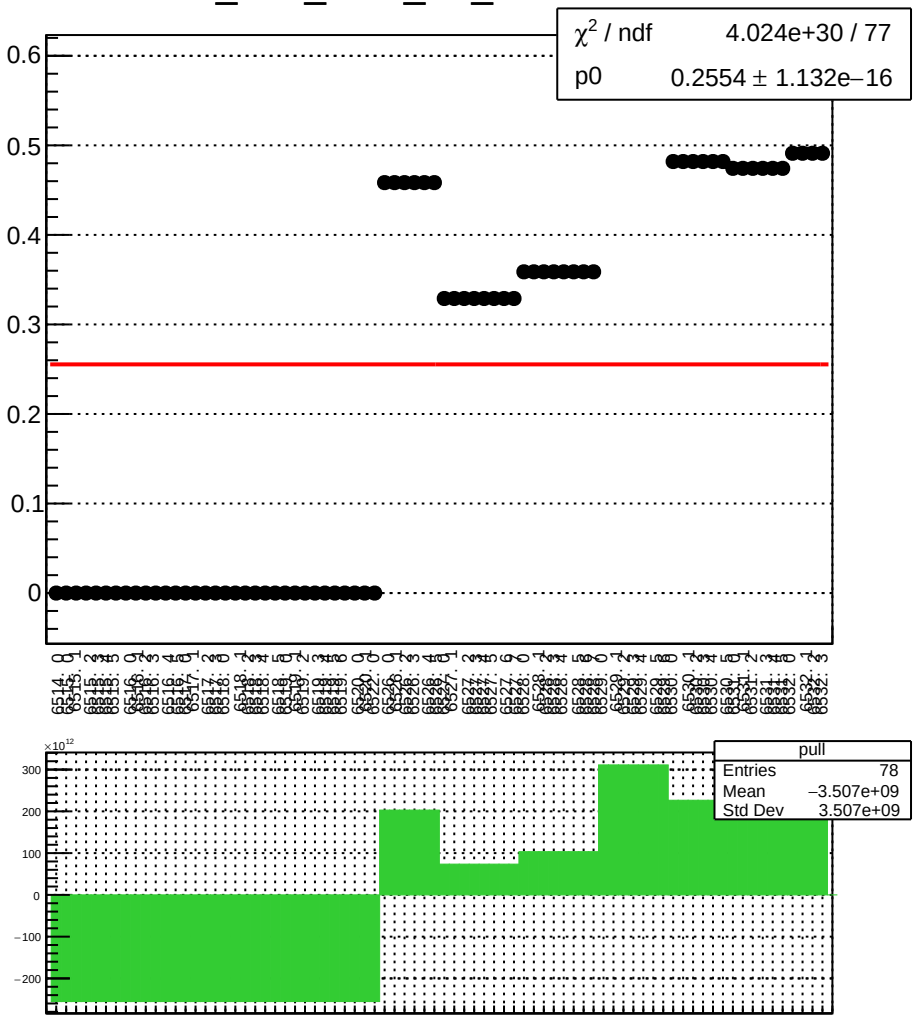


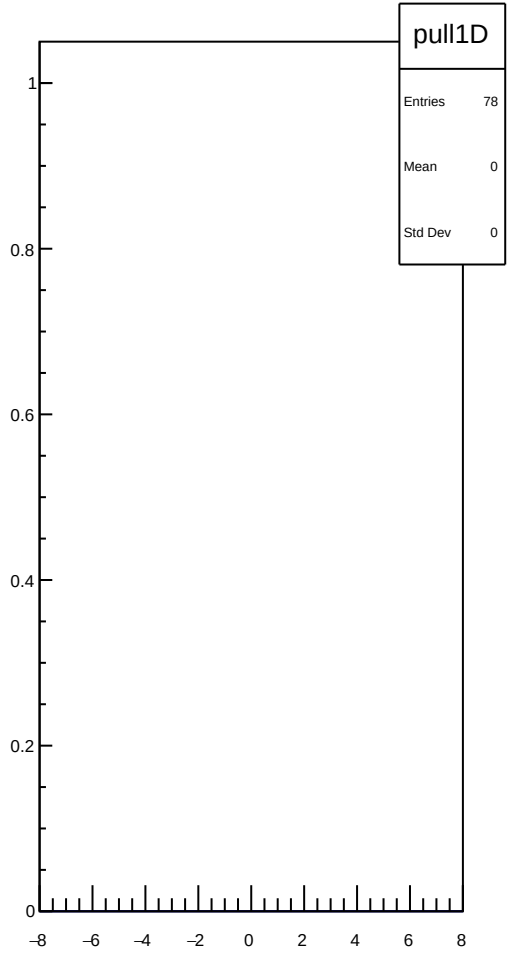


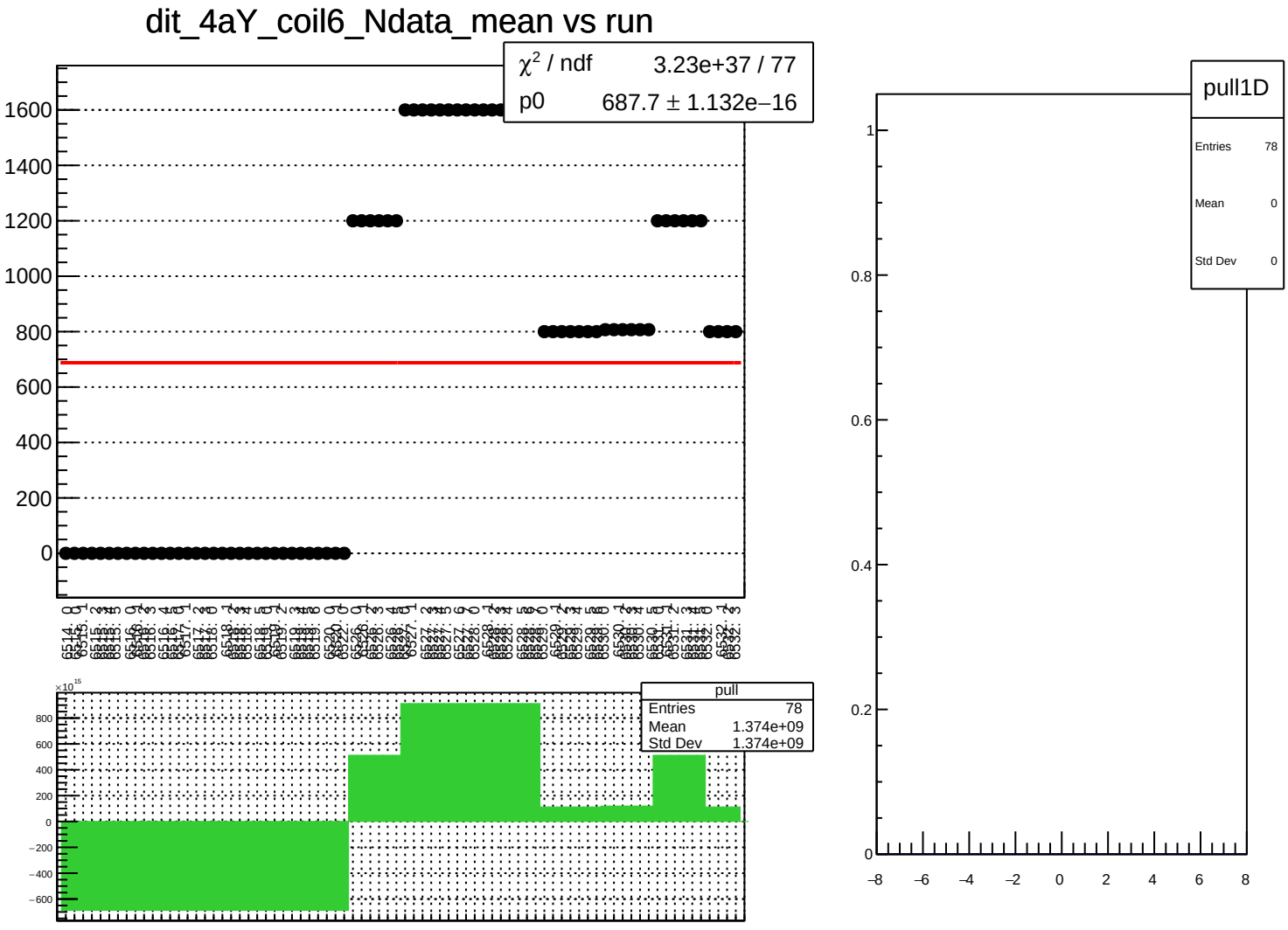

dit_4aY_coil6_mean vs run
χ^2 / ndf 3.855e+34 / 77
p0 25.96 ± 1.132e−16
pull
Entries 78
Mean −5.238e+09
Std Dev 5.238e+09

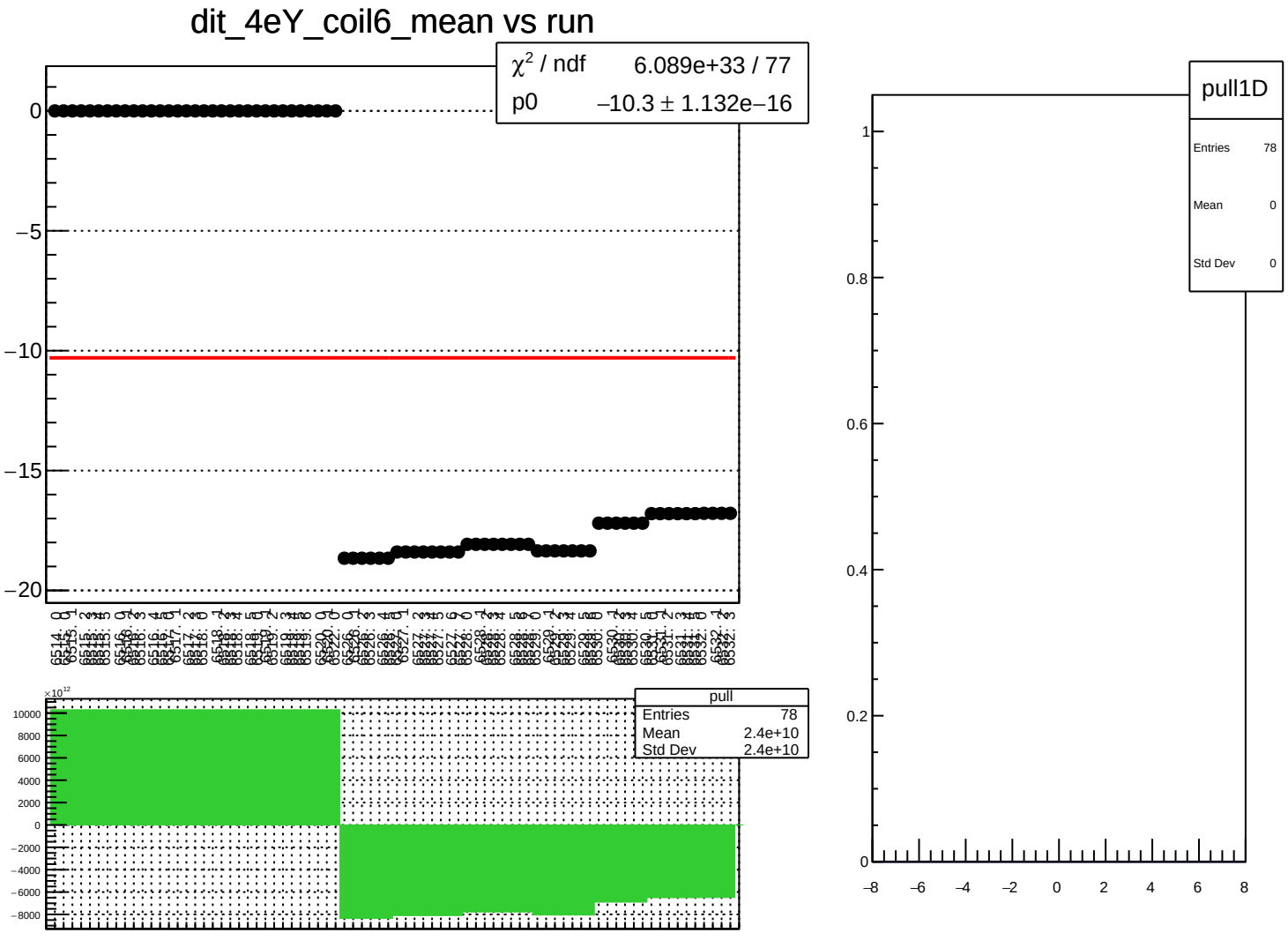

pull1D
Entries 78
Mean 0
Std Dev 0

dit_4aY_coil6_err_mean vs run

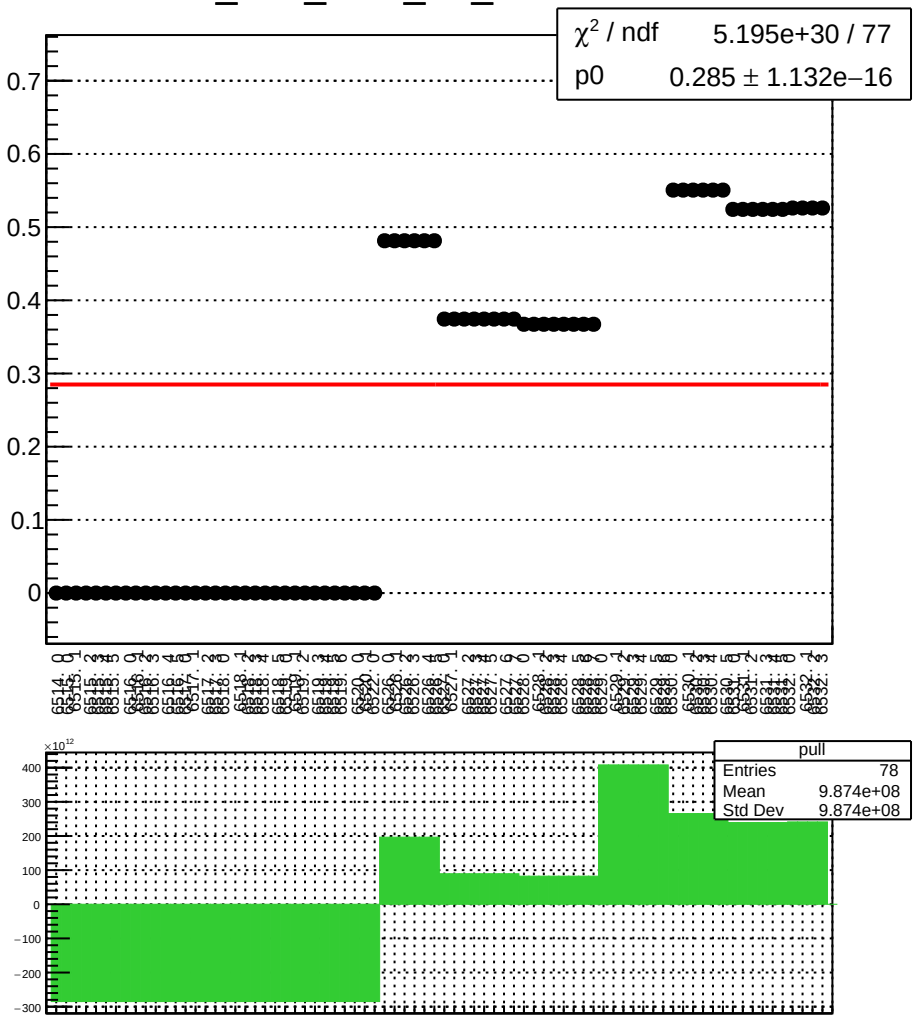


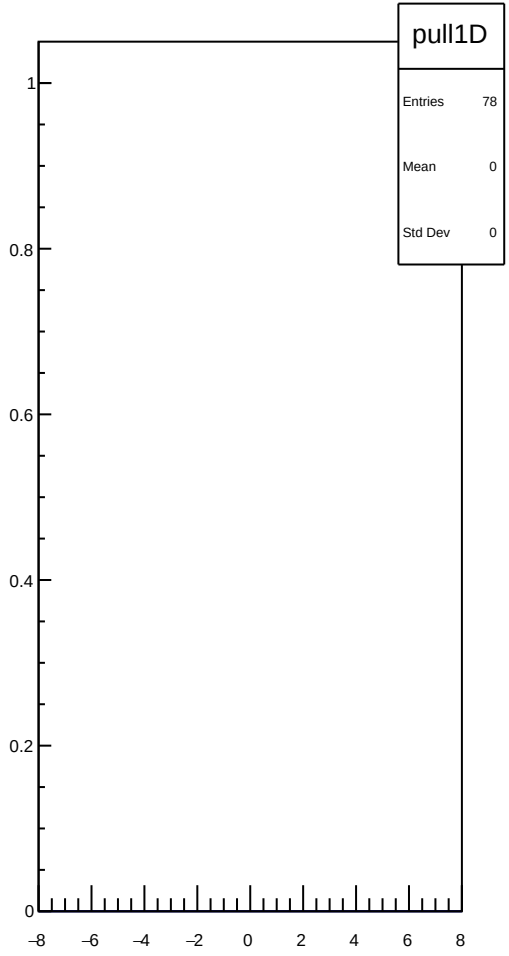



dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09
pull1D
Entries 78
Mean 0
Std Dev 0

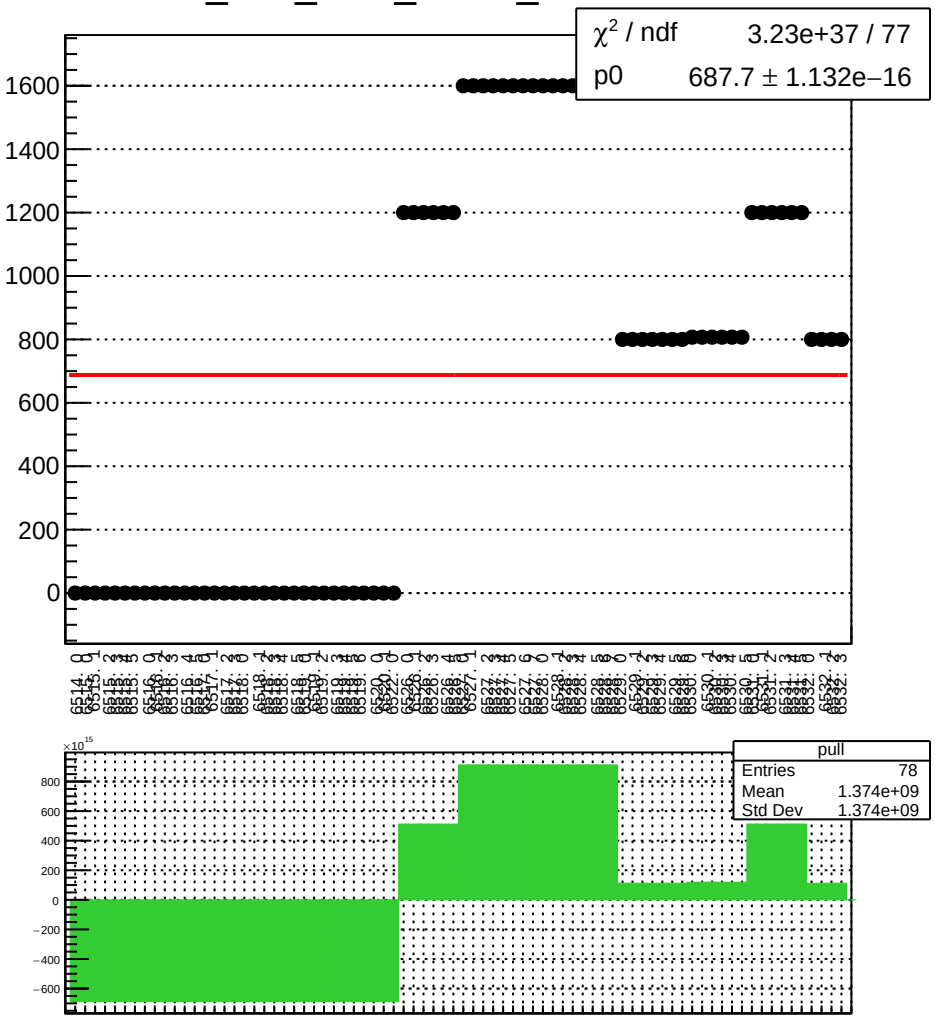

dit_4eY_coil6_mean vs run
χ² / ndf 6.089e+33 / 77
p0 −10.3 ± 1.132e−16
0
−5
−10
−15
−20
pull
Entries 78
Mean 2.4e+10
Std Dev 2.4e+10
×10¹²
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

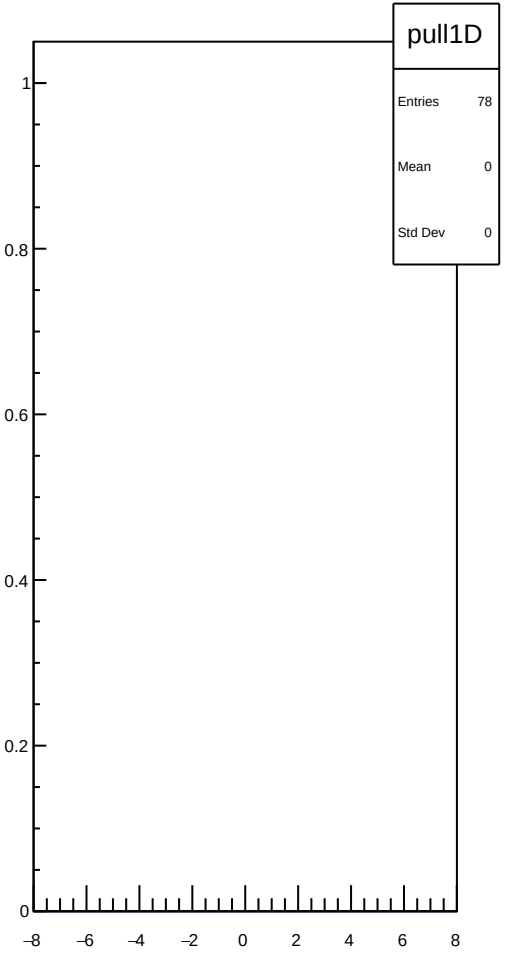
dit_4eY_coil6_err_mean vs run

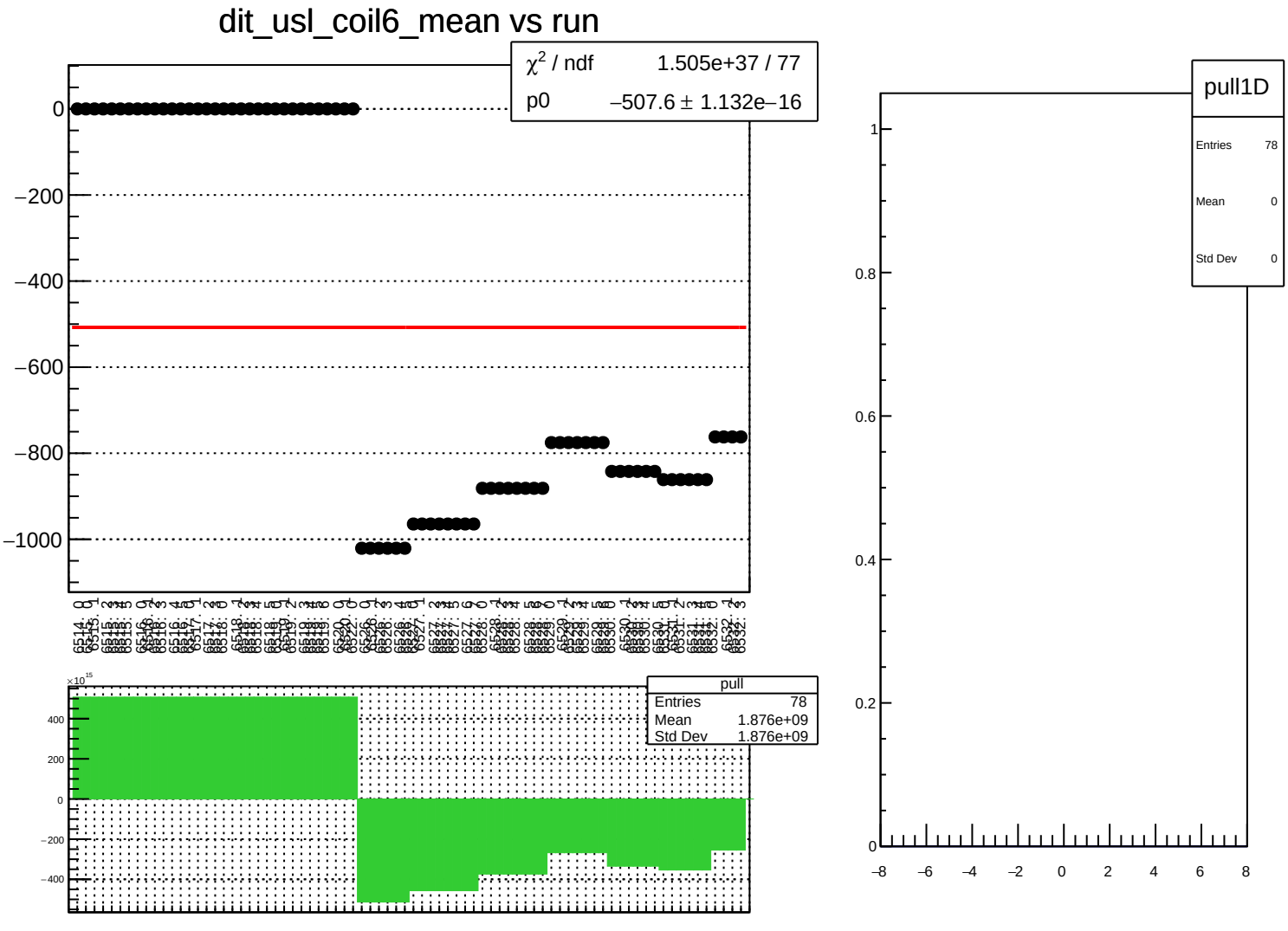


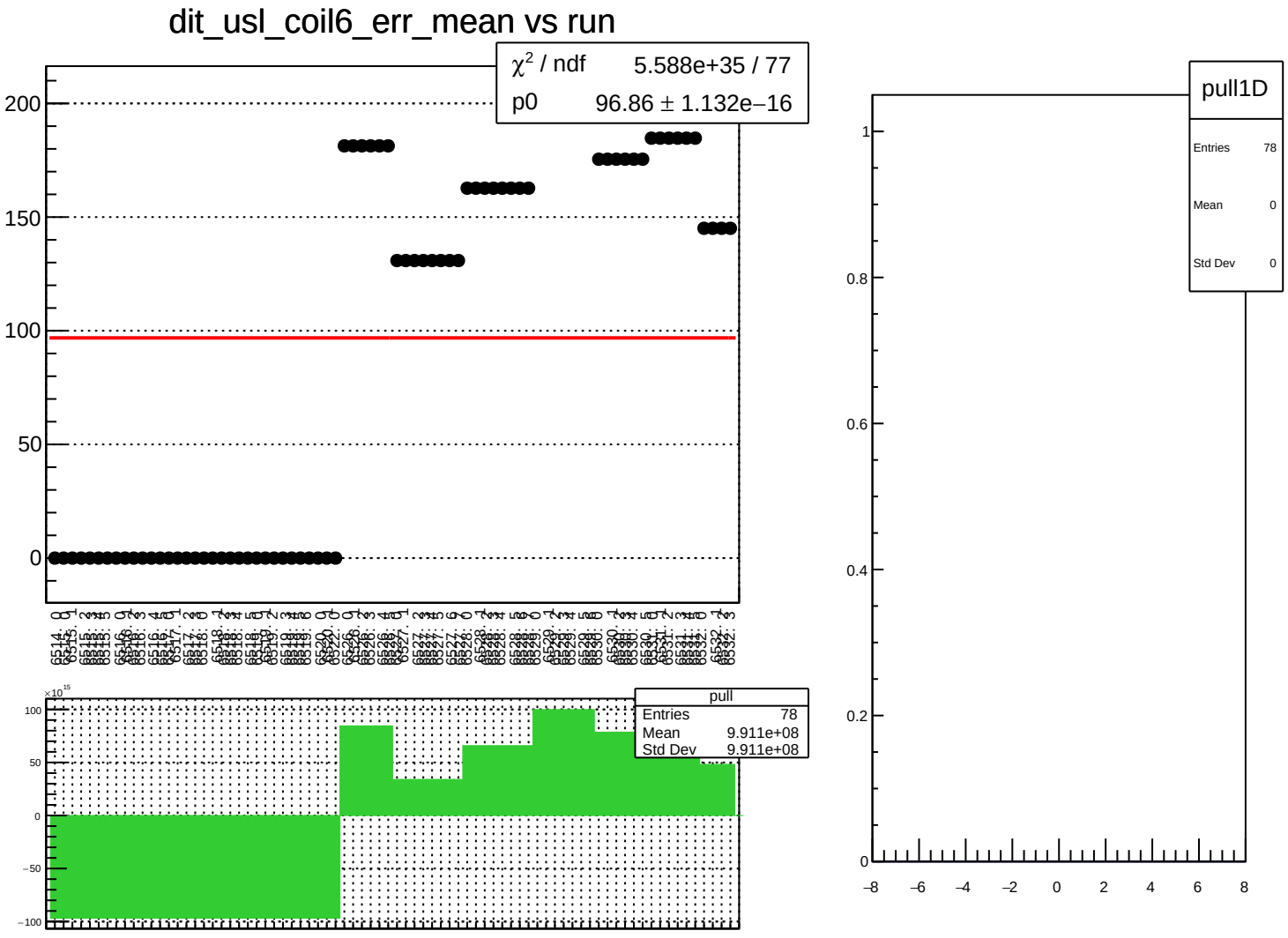


dit_4eY_coil6_Ndata_mean vs run

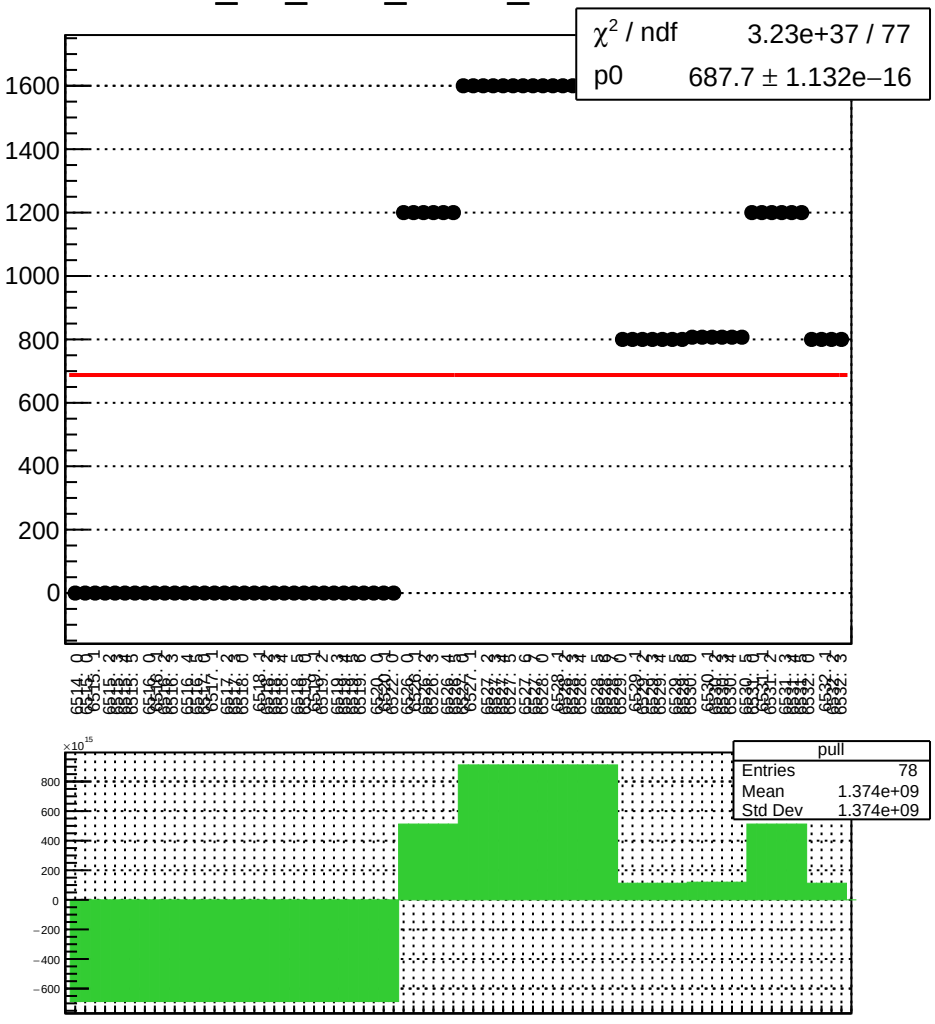


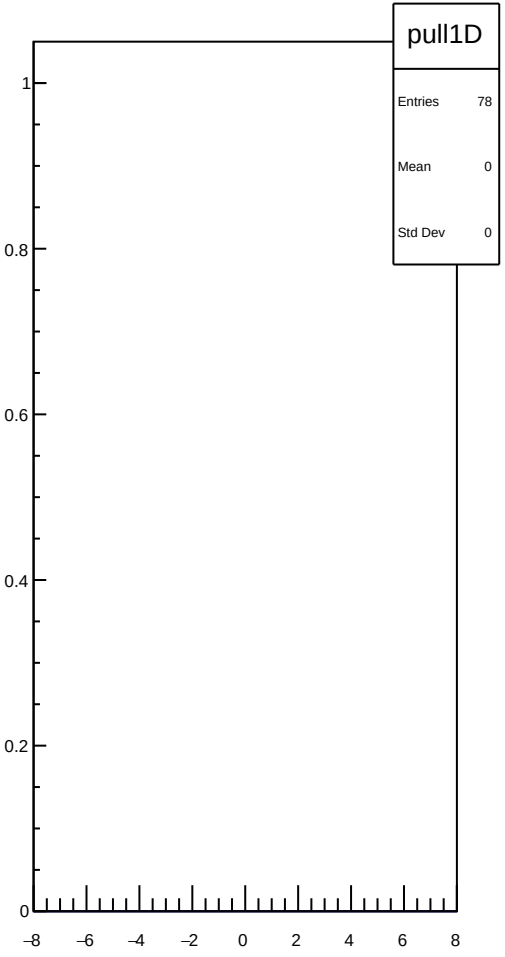


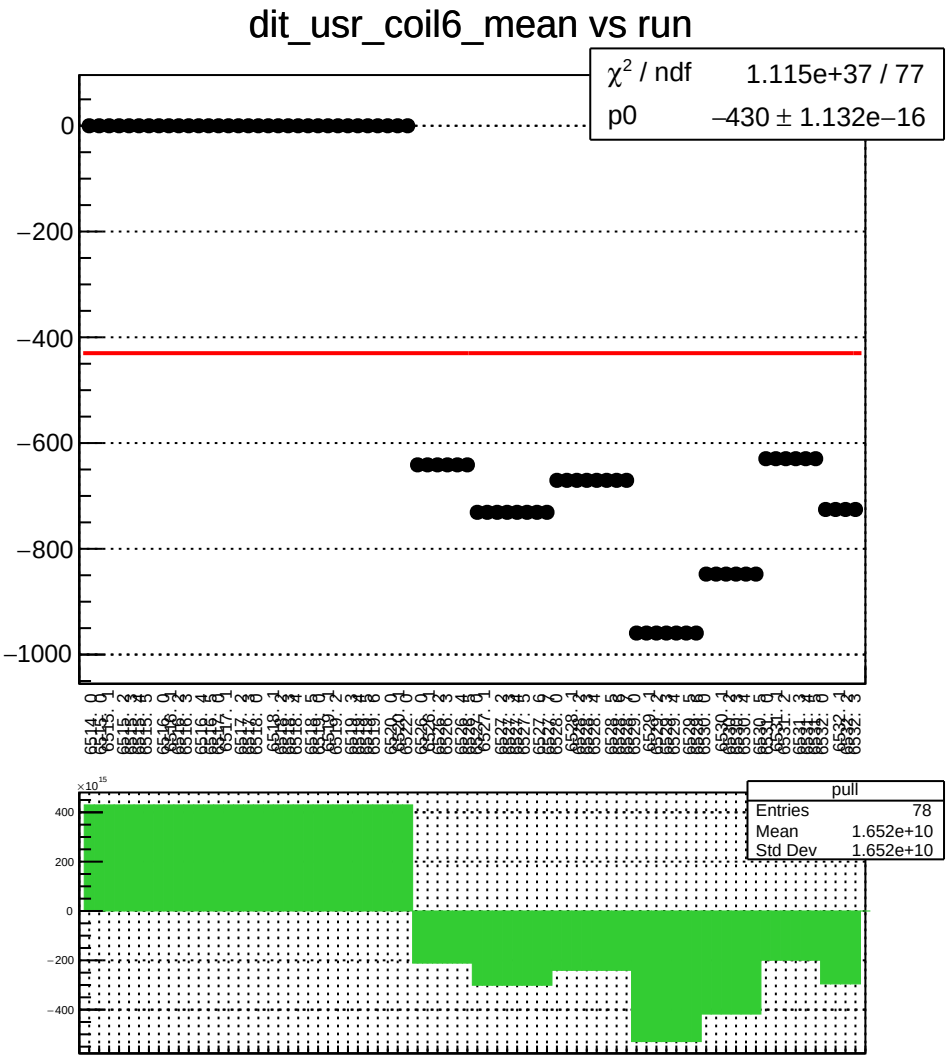

dit_usl_coil6_mean vs run
χ² / ndf 1.505e+37 / 77
p0 −507.6 ± 1.132e−16
0
−200
−400
−600
−800
−1000
pull
Entries 78
Mean 1.876e+09
Std Dev 1.876e+09
×10¹⁵
400
200
0
−200
−400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

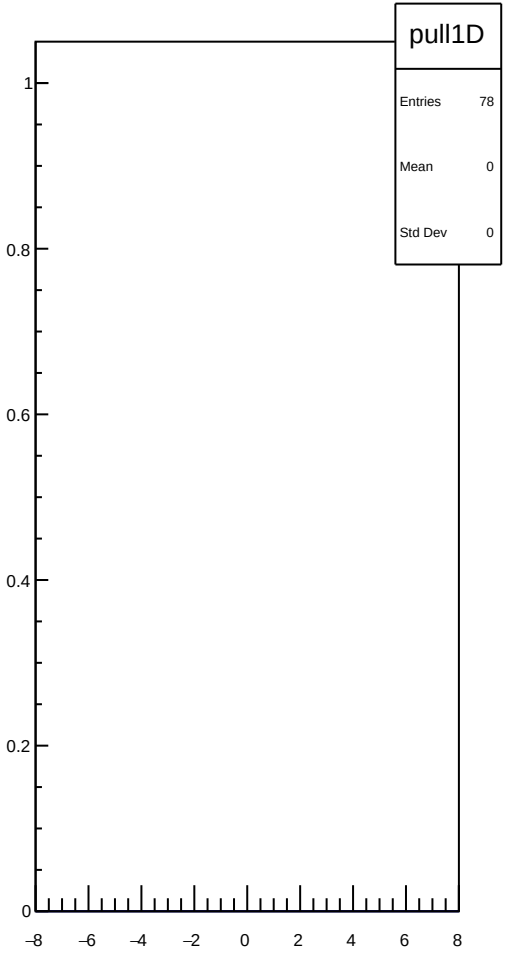

dit_usl_coil6_err_mean vs run
χ^2 / ndf 5.588e+35 / 77
p0 96.86 ± 1.132e−16
pull
Entries 78
Mean 9.911e+08
Std Dev 9.911e+08
pull1D
Entries 78
Mean 0
Std Dev 0

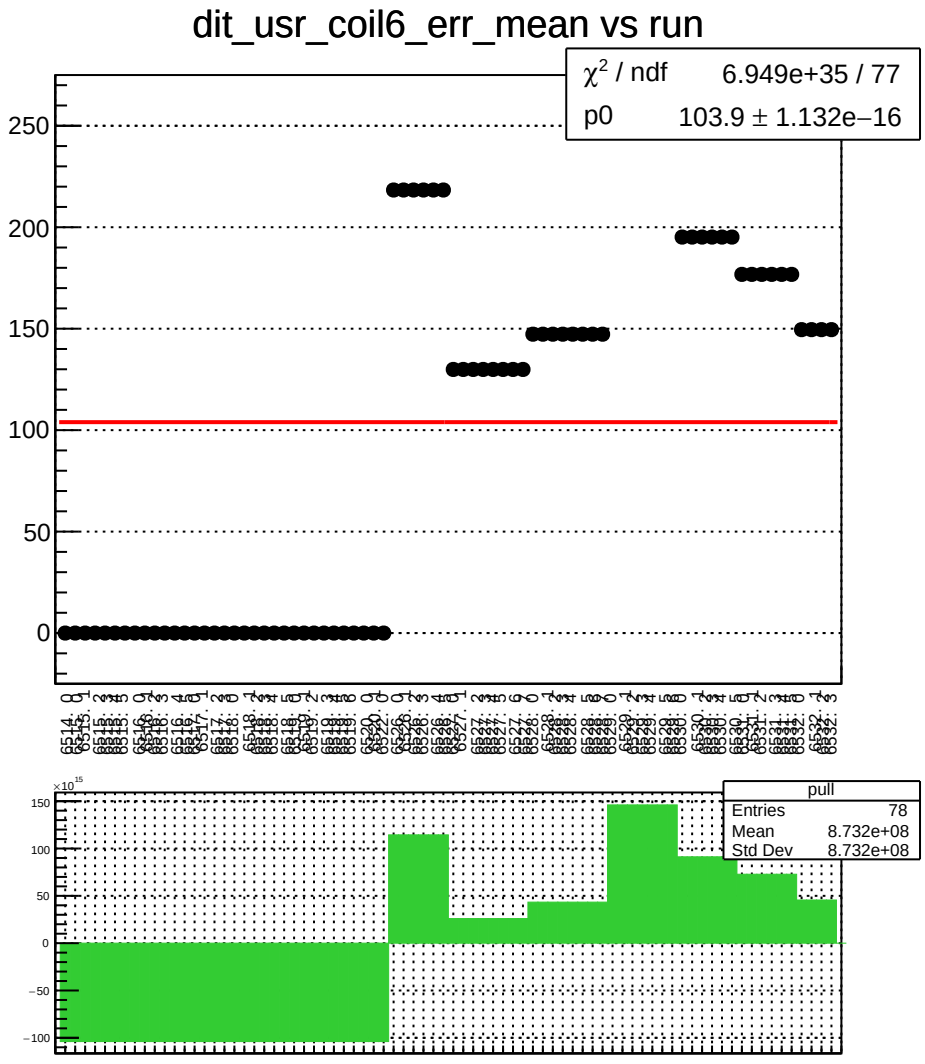
dit_usl_coil6_Ndata_mean vs run

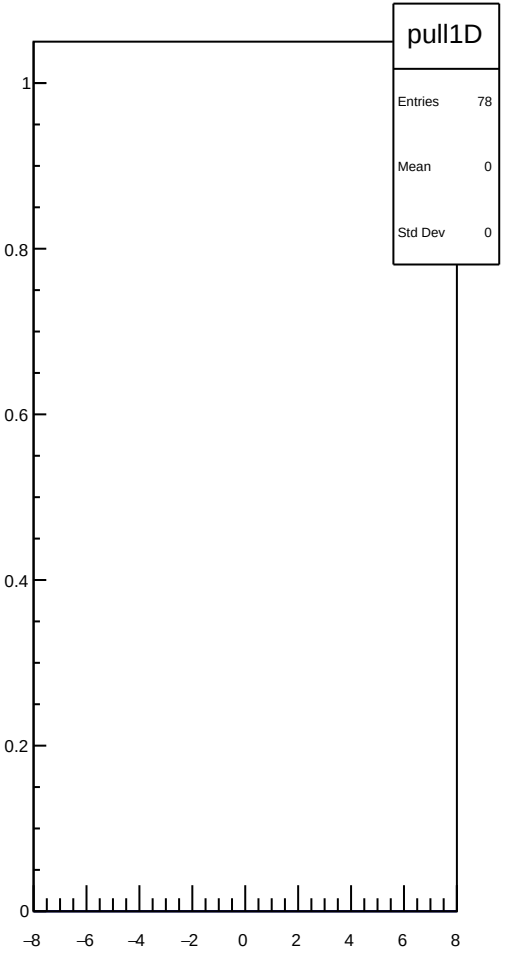


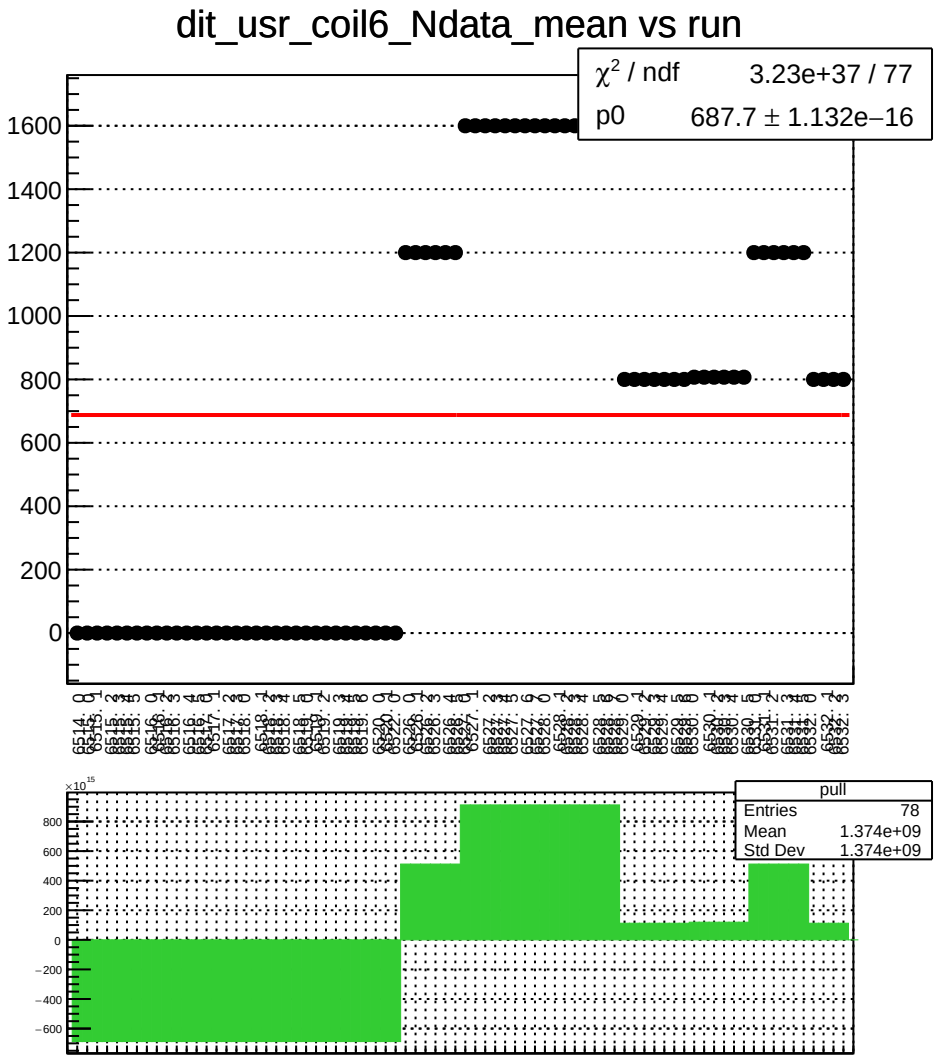


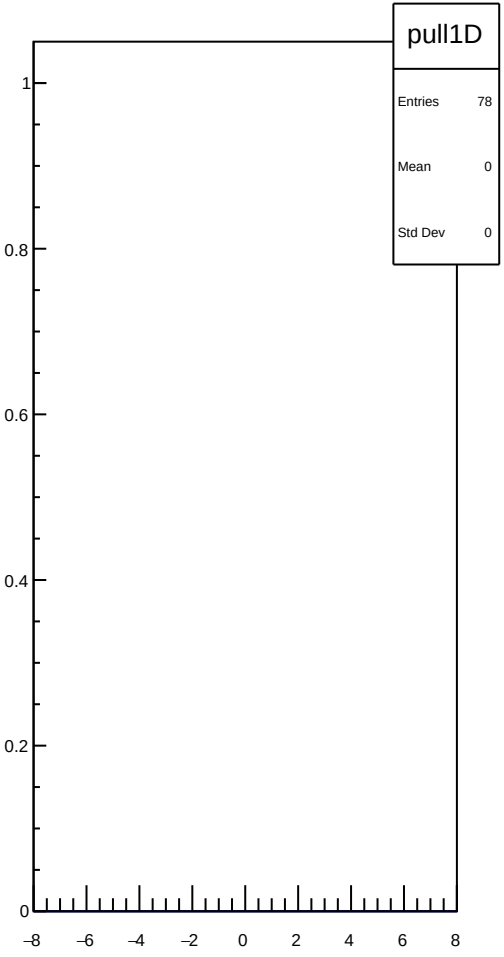

dit_usr_coil6_mean vs run
χ^2 / ndf 1.115e+37 / 77
p0 −430 ± 1.132e−16
0
−200
−400
−600
−800
−1000
pull
Entries 78
Mean 1.652e+10
Std Dev 1.652e+10
400
200
0
−200
−400

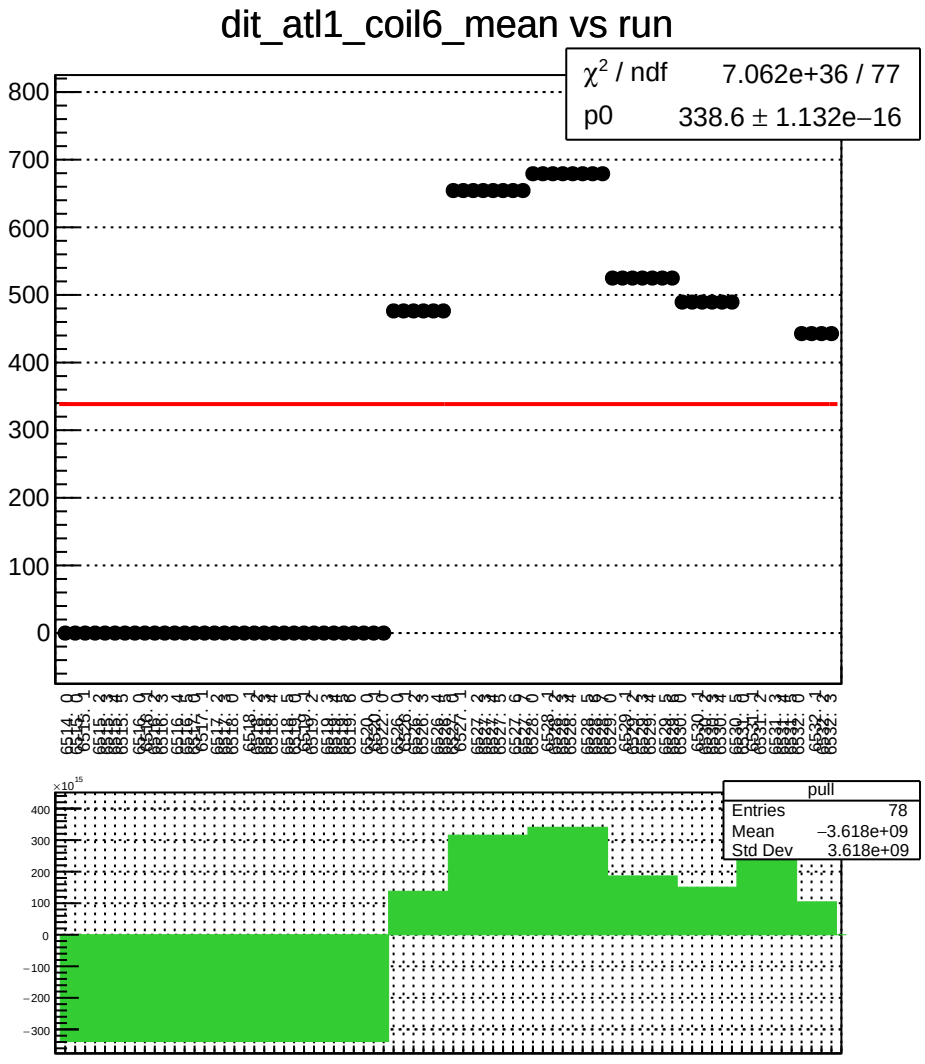

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

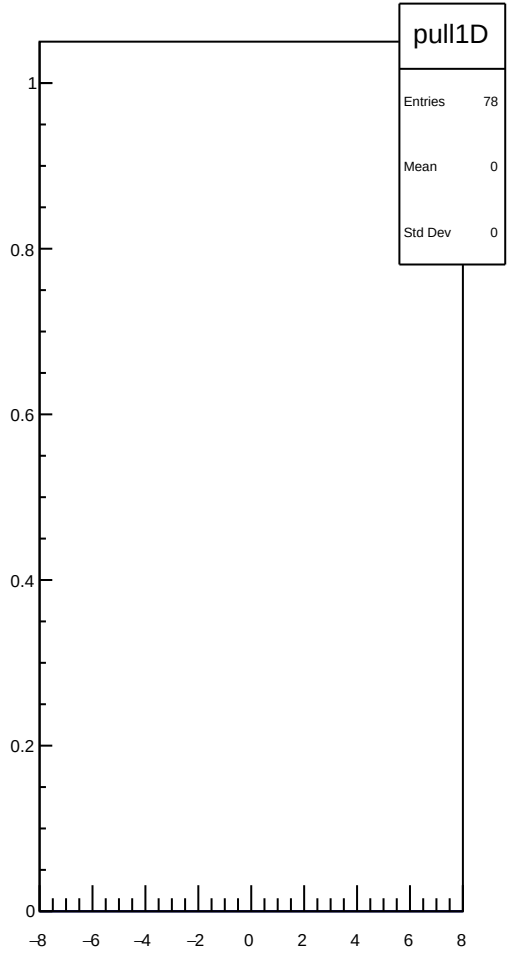

dit_usr_coil6_err_mean vs run
χ² / ndf 6.949e+35 / 77
p0 103.9 ± 1.132e−16
pull
Entries 78
Mean 8.732e+08
Std Dev 8.732e+08

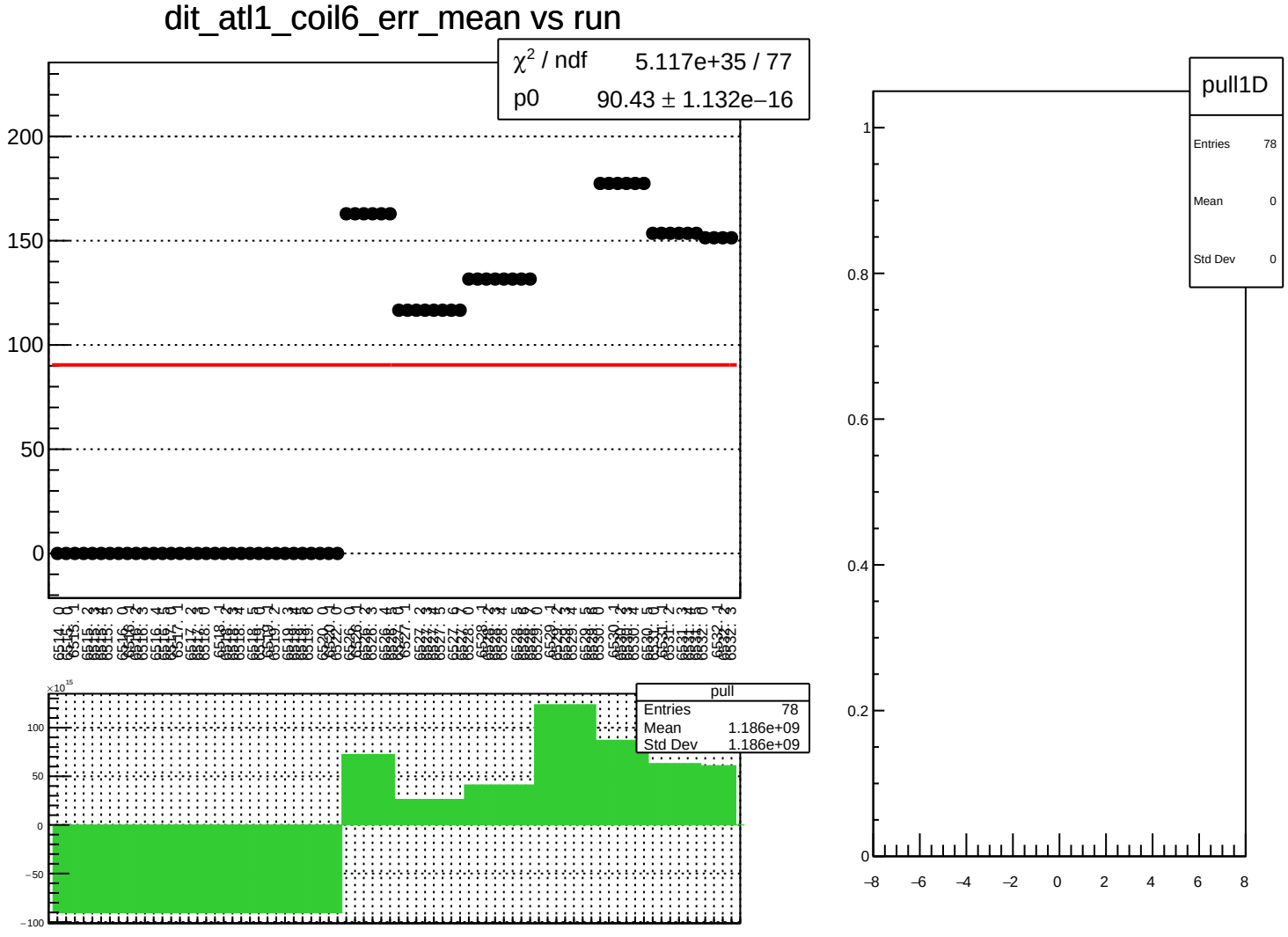

pull1D
Entries 78
Mean 0
Std Dev 0

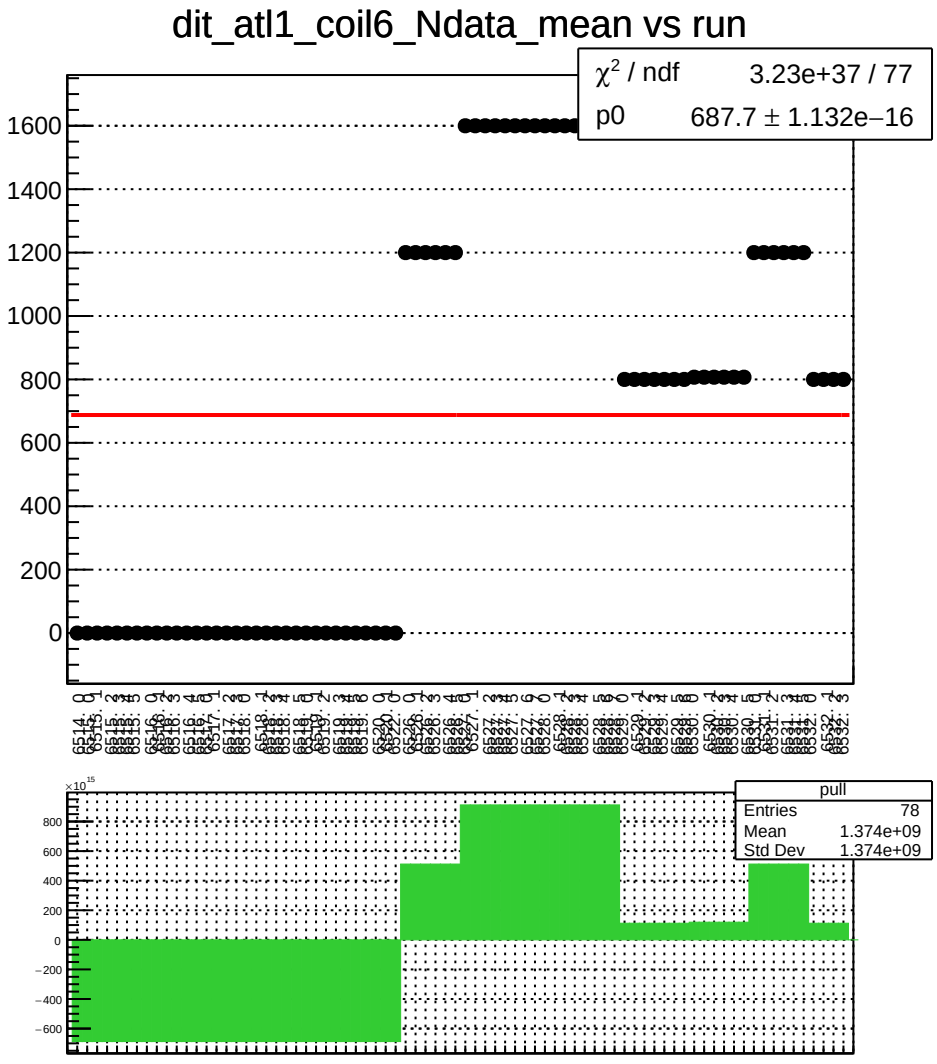

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

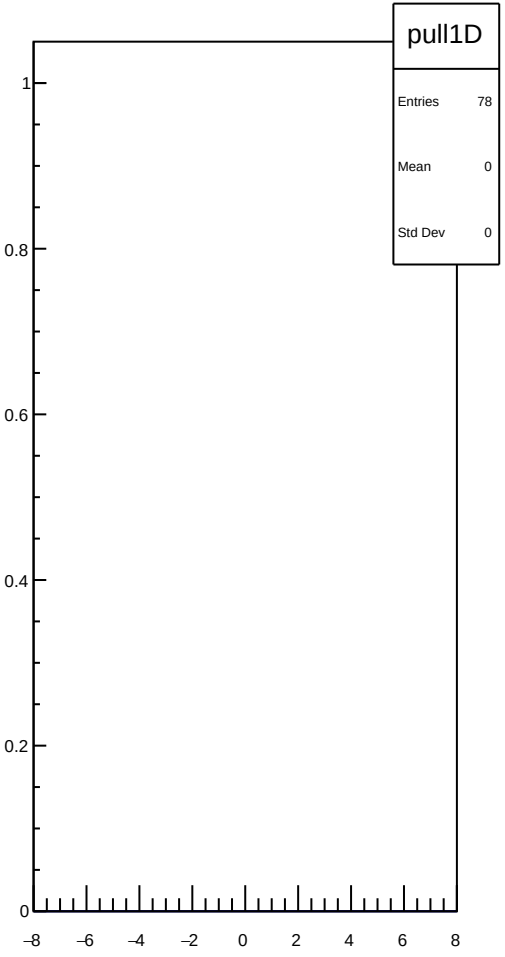

pull1D
Entries 78
Mean 0
Std Dev 0

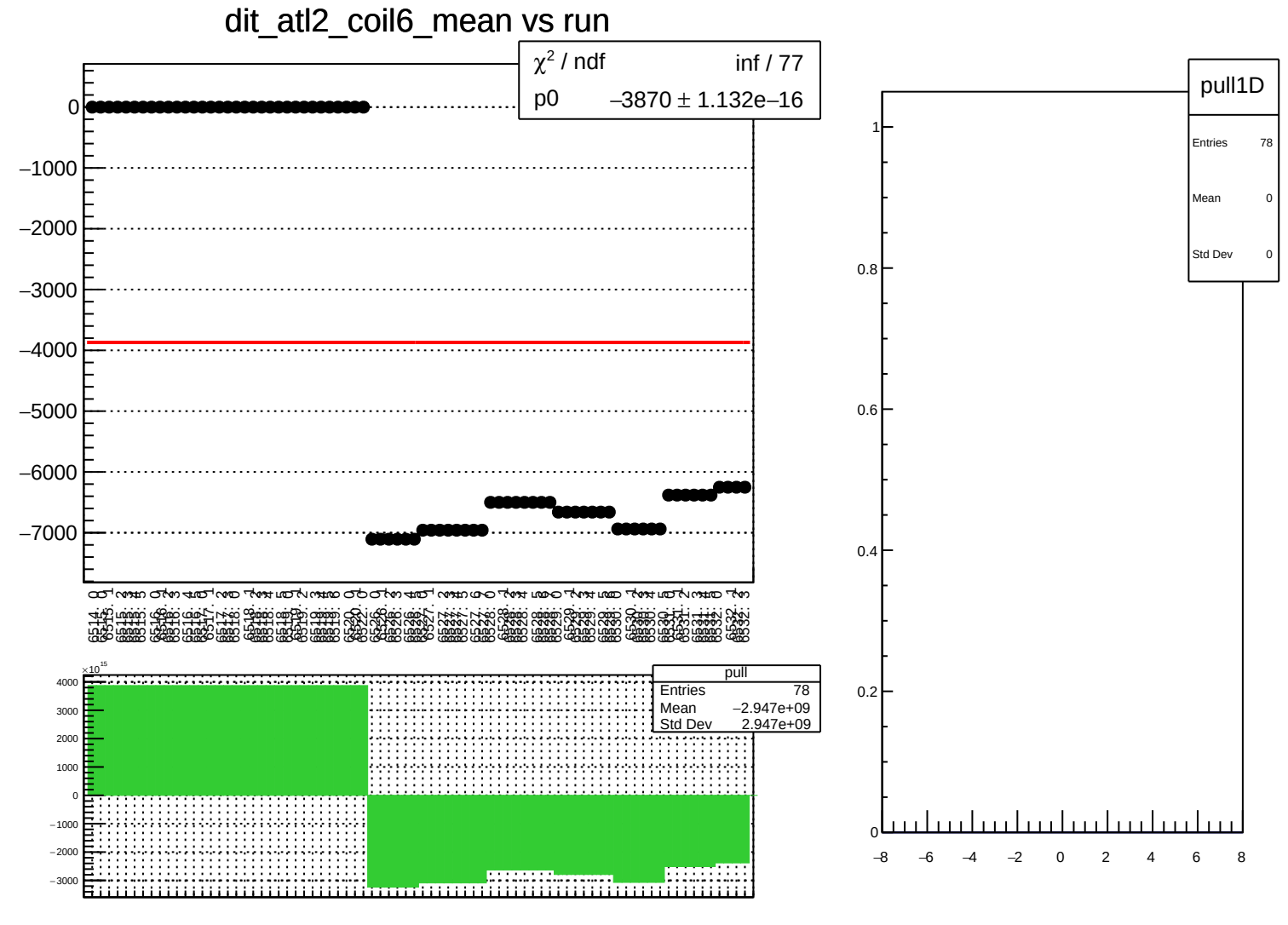

dit_atl1_coil6_mean vs run
χ² / ndf 7.062e+36 / 77
p0 338.6 ± 1.132e−16
pull
Entries 78
Mean −3.618e+09
Std Dev 3.618e+09

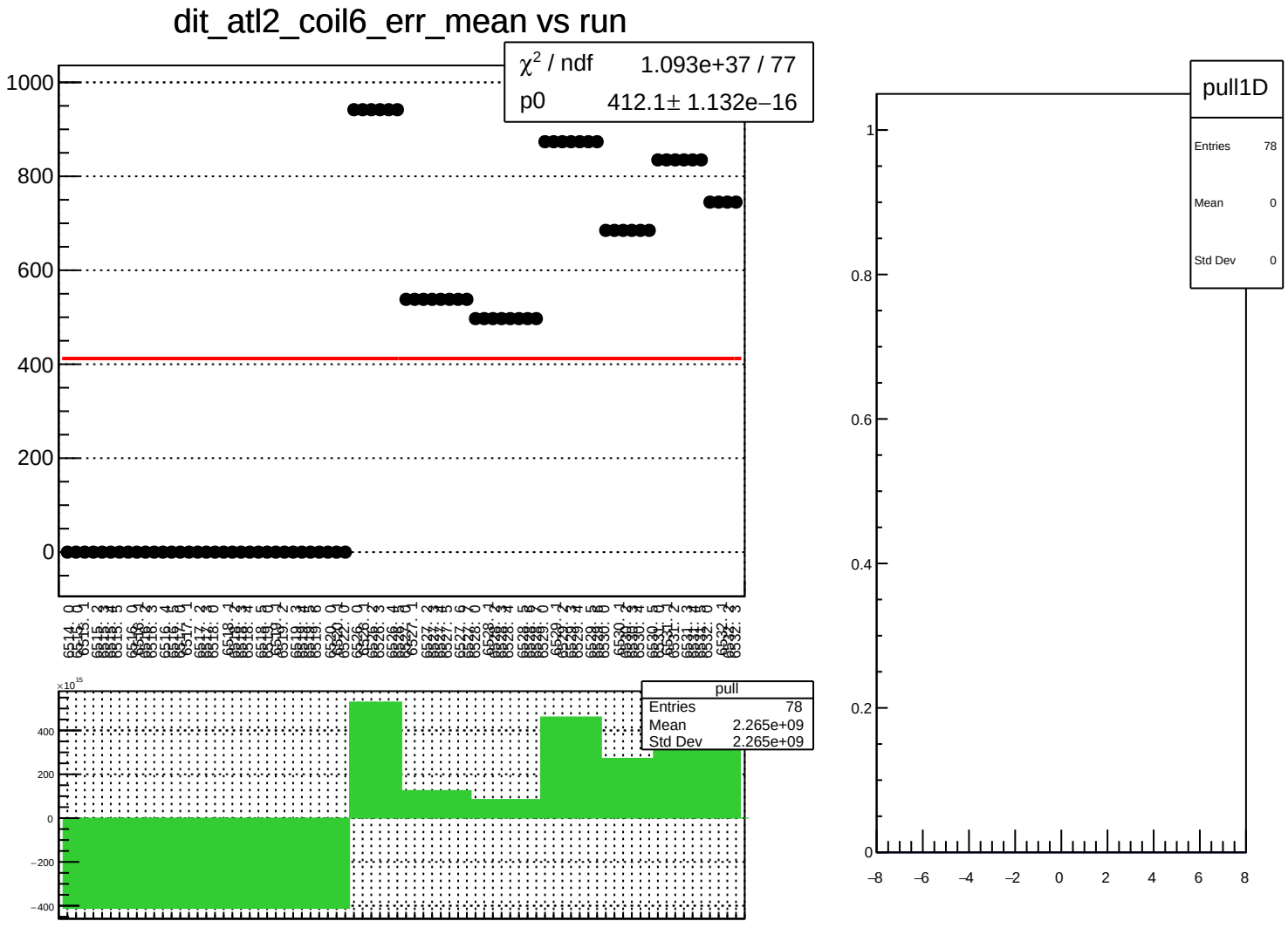

pull1D
Entries 78
Mean 0
Std Dev 0

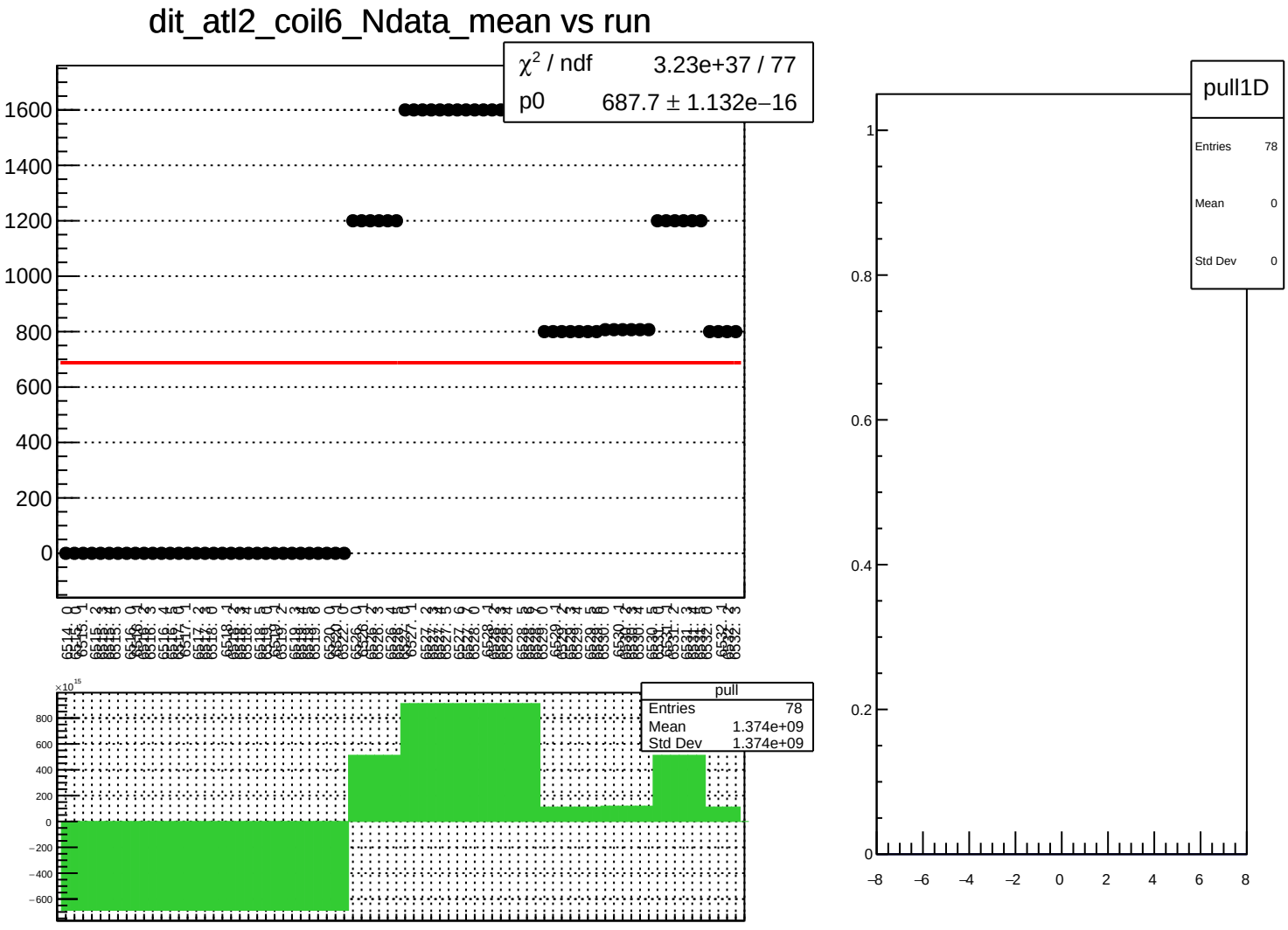

dit_atl1_coil6_err_mean vs run
χ² / ndf 5.117e+35 / 77
p0 90.43 ± 1.132e−16
pull
Entries 78
Mean 1.186e+09
Std Dev 1.186e+09
pull1D
Entries 78
Mean 0
Std Dev 0

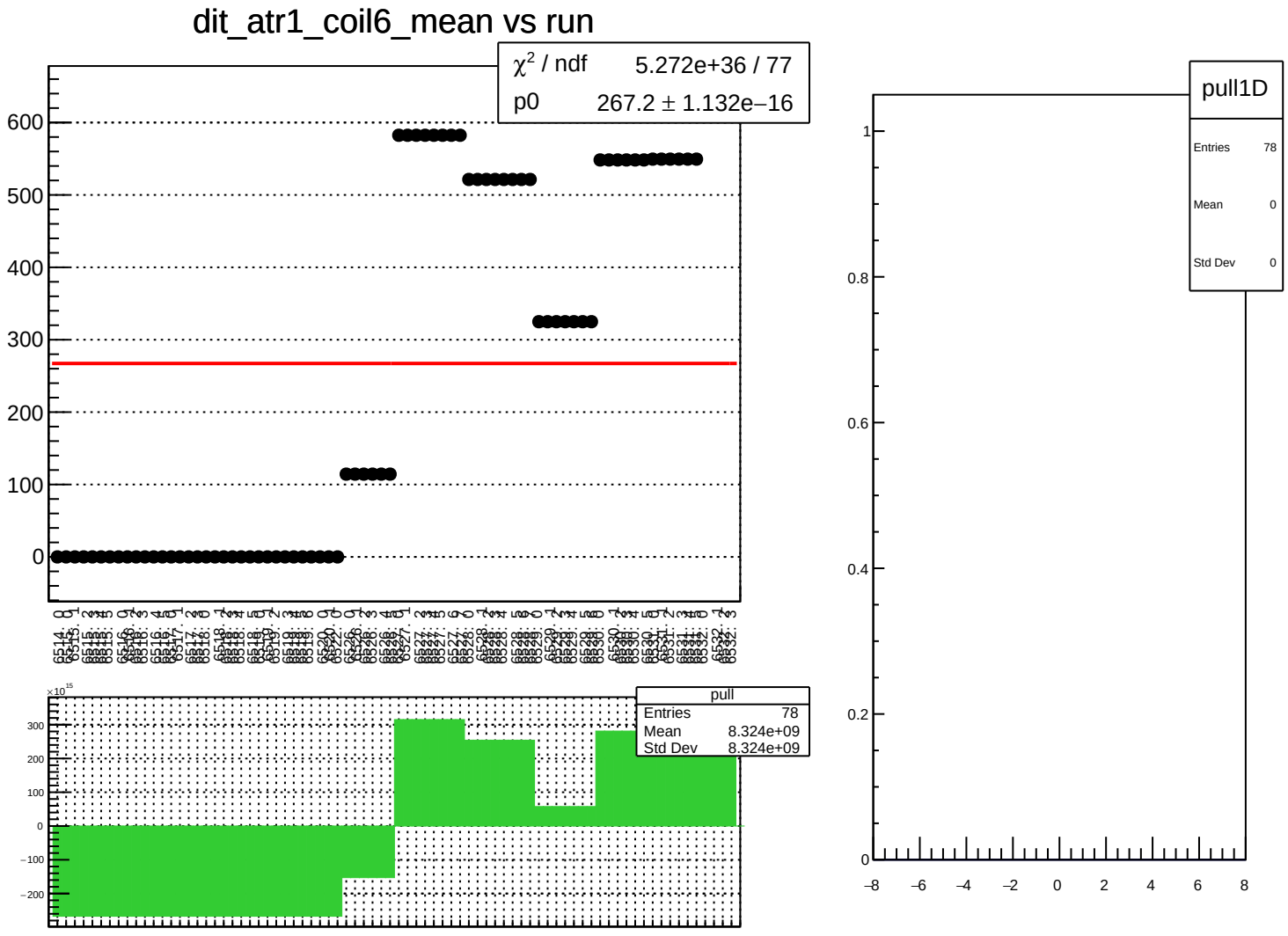

dit_atl1_coil6_Ndata_mean vs run
χ^2 / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

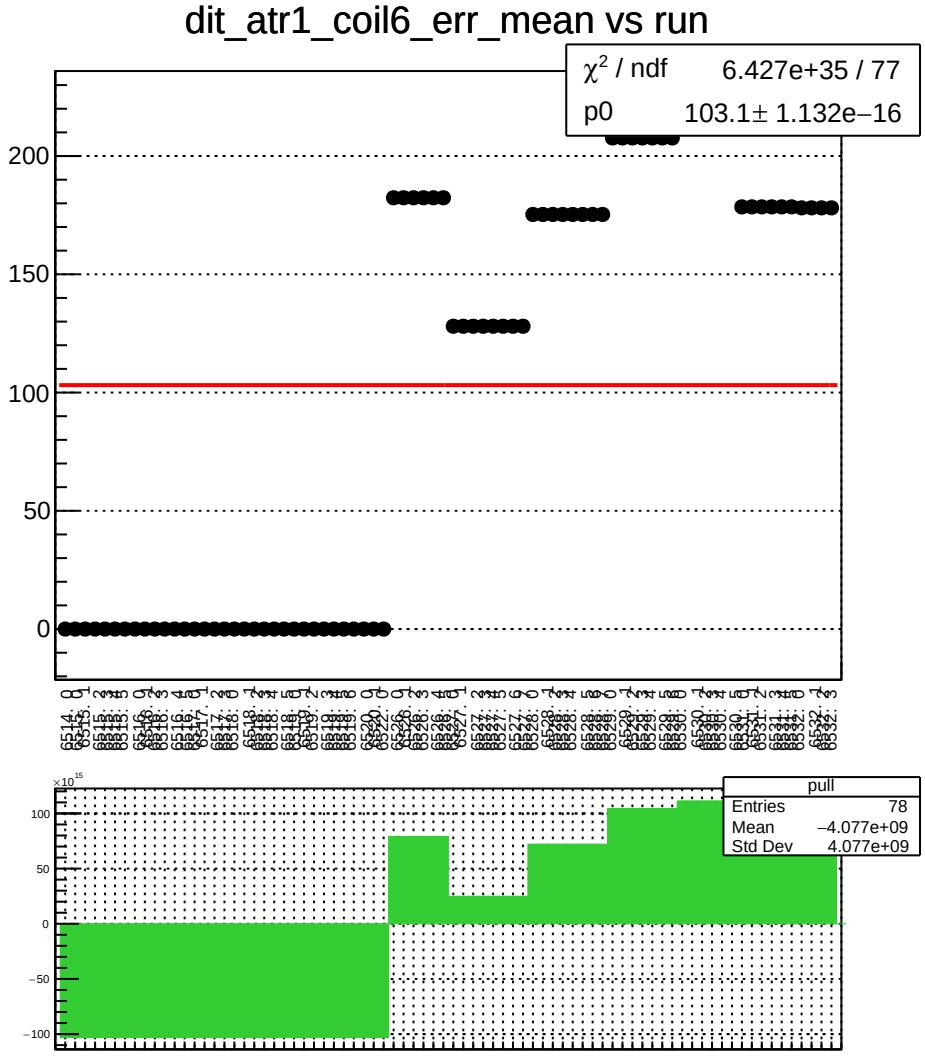

pull1D
Entries 78
Mean 0
Std Dev 0

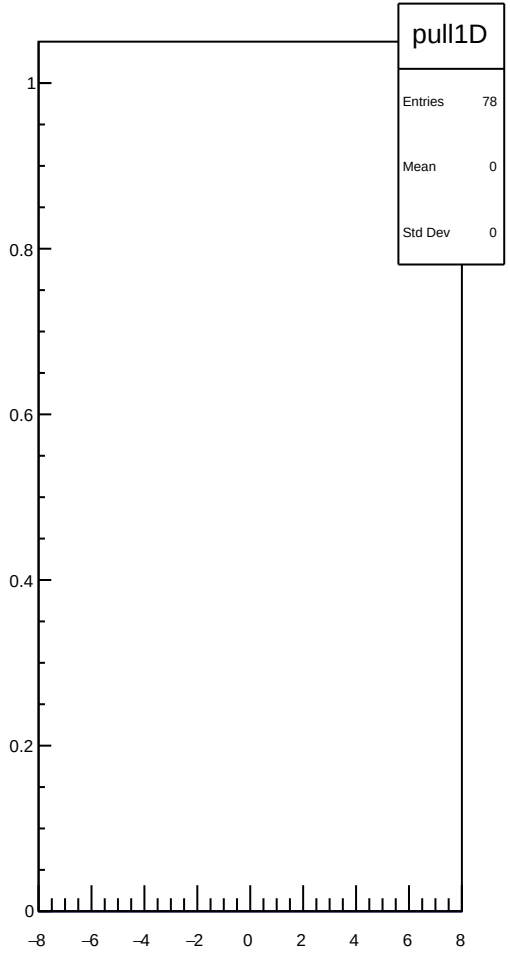

dit_atl2_coil6_mean vs run
χ² / ndf inf / 77
p0 −3870 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 78
Mean −2.947e+09
Std Dev 2.947e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil6_err_mean vs run
χ² / ndf 1.093e+37 / 77
p0 412.1± 1.132e−16
pull
Entries 78
Mean 2.265e+09
Std Dev 2.265e+09
pull1D
Entries 78
Mean 0
Std Dev 0

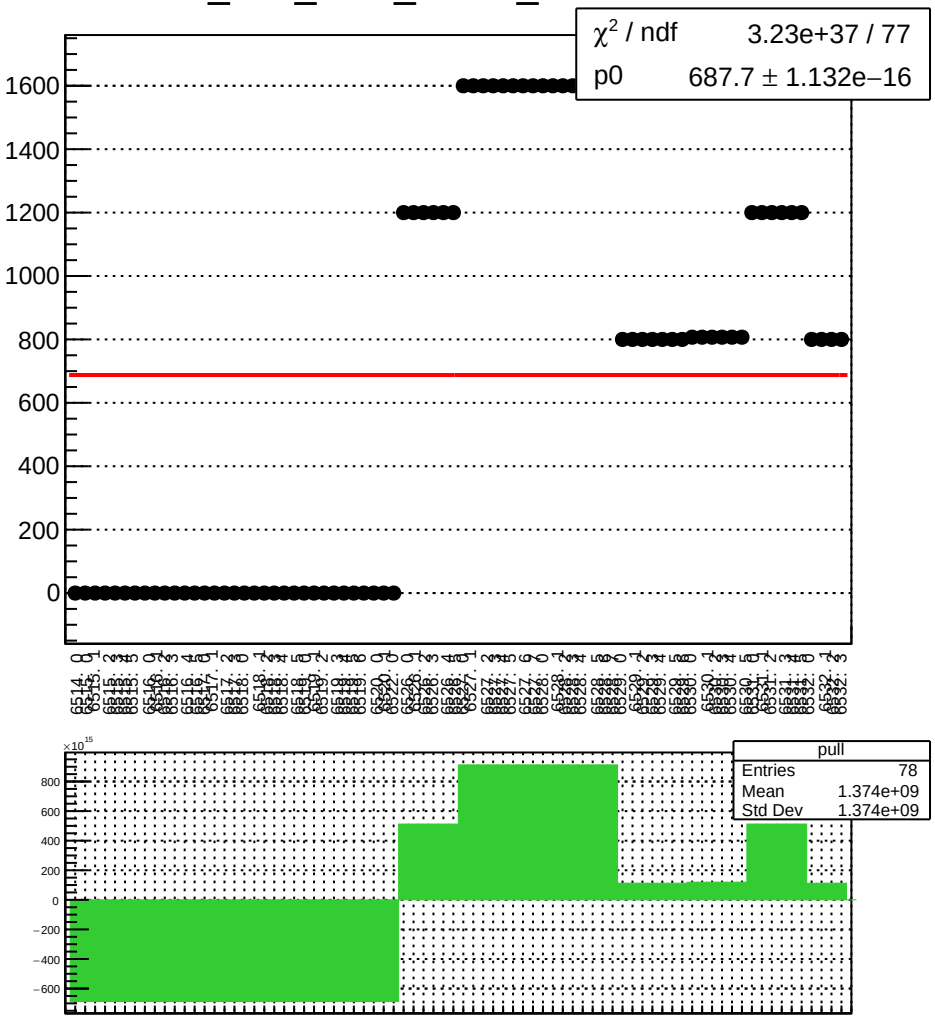

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09
pull1D
Entries 78
Mean 0
Std Dev 0

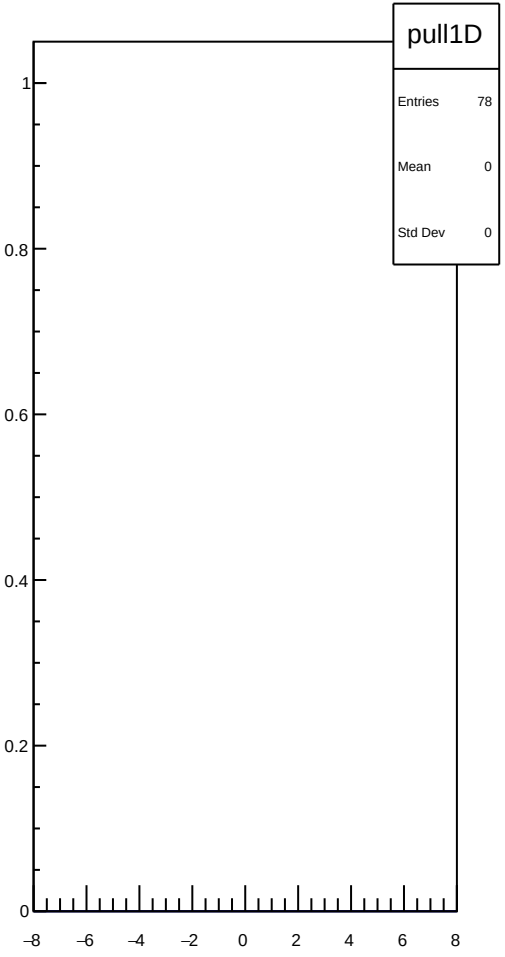

dit_atr1_coil6_mean vs run
χ² / ndf 5.272e+36 / 77
p0 267.2 ± 1.132e−16
pull
Entries 78
Mean 8.324e+09
Std Dev 8.324e+09
pull1D
Entries 78
Mean 0
Std Dev 0

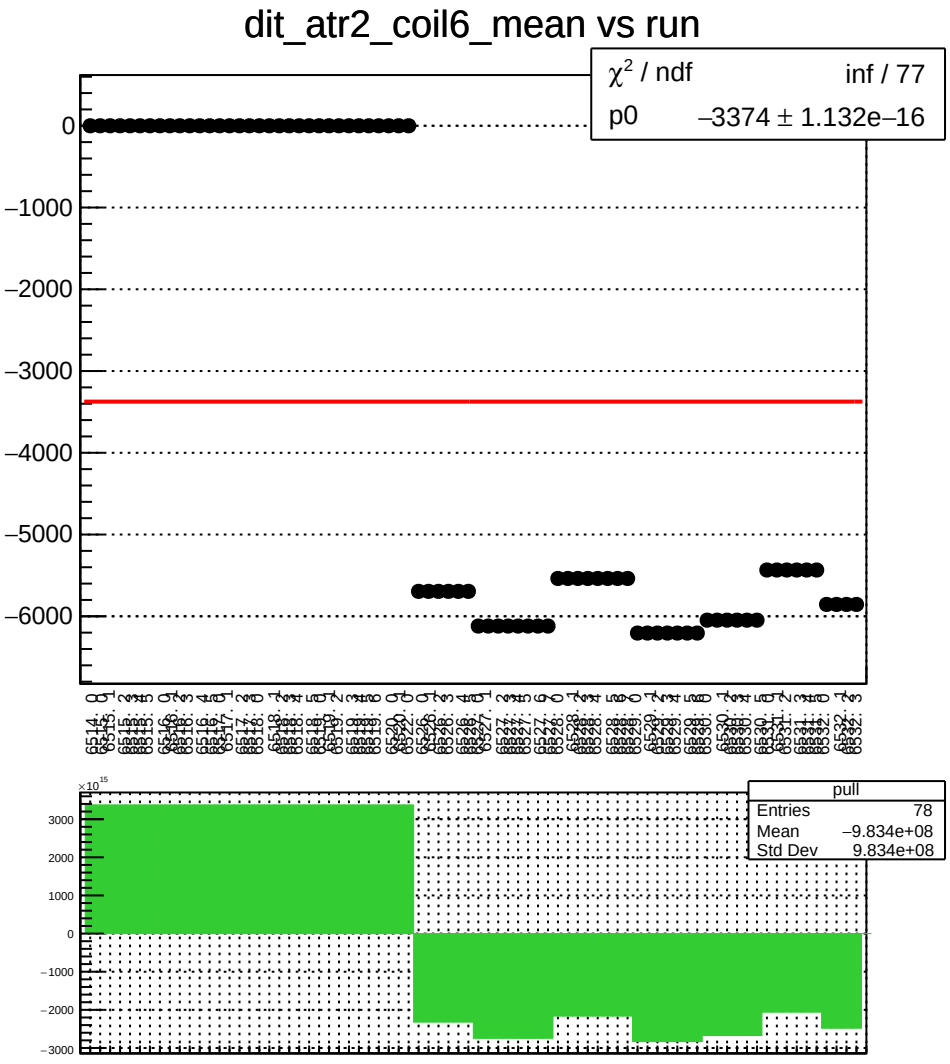

dit_atr1_coil6_err_mean vs run
χ² / ndf 6.427e+35 / 77
p0 103.1± 1.132e−16
pull
Entries 78
Mean −4.077e+09
Std Dev 4.077e+09

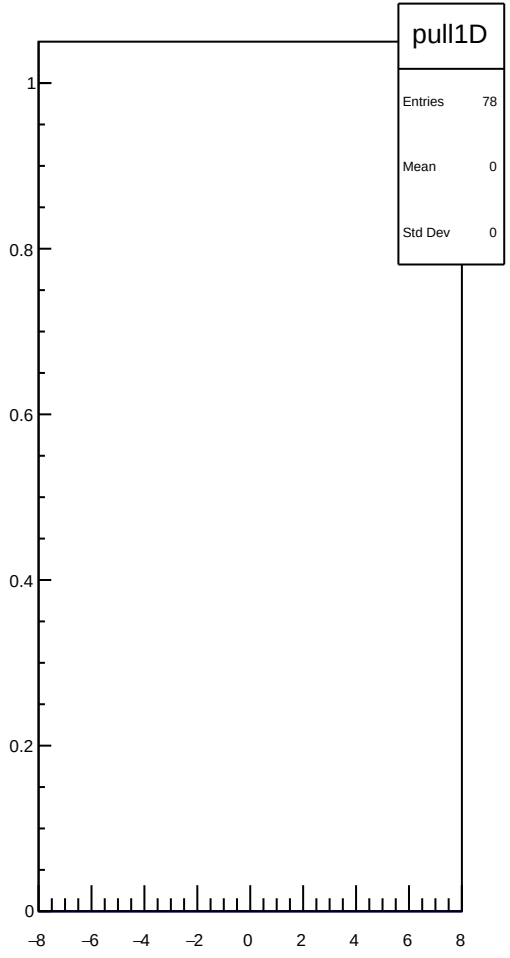

pull1D
Entries 78
Mean 0
Std Dev 0

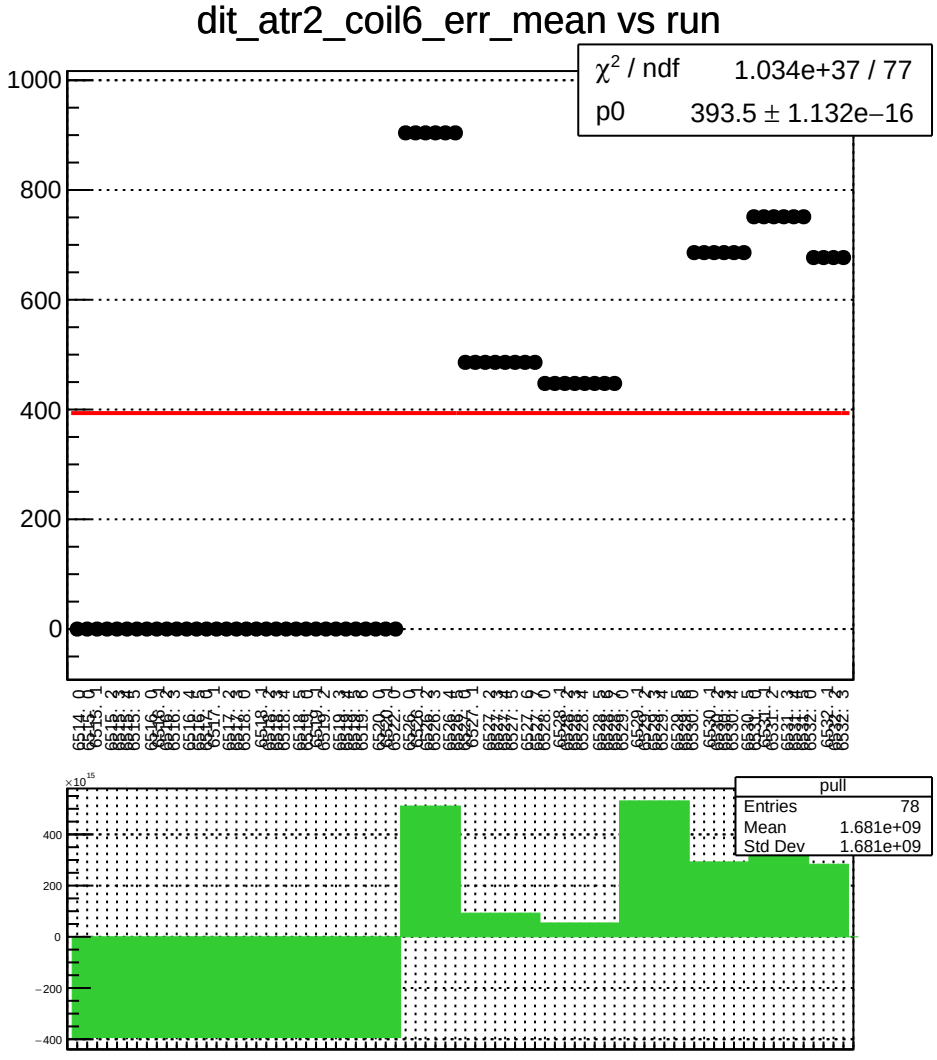
dit_atr1_coil6_Ndata_mean vs run

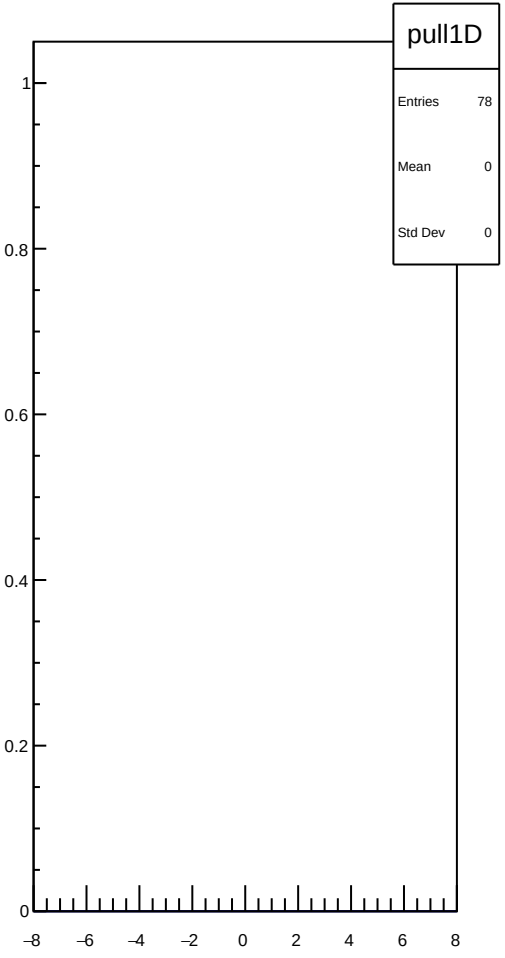




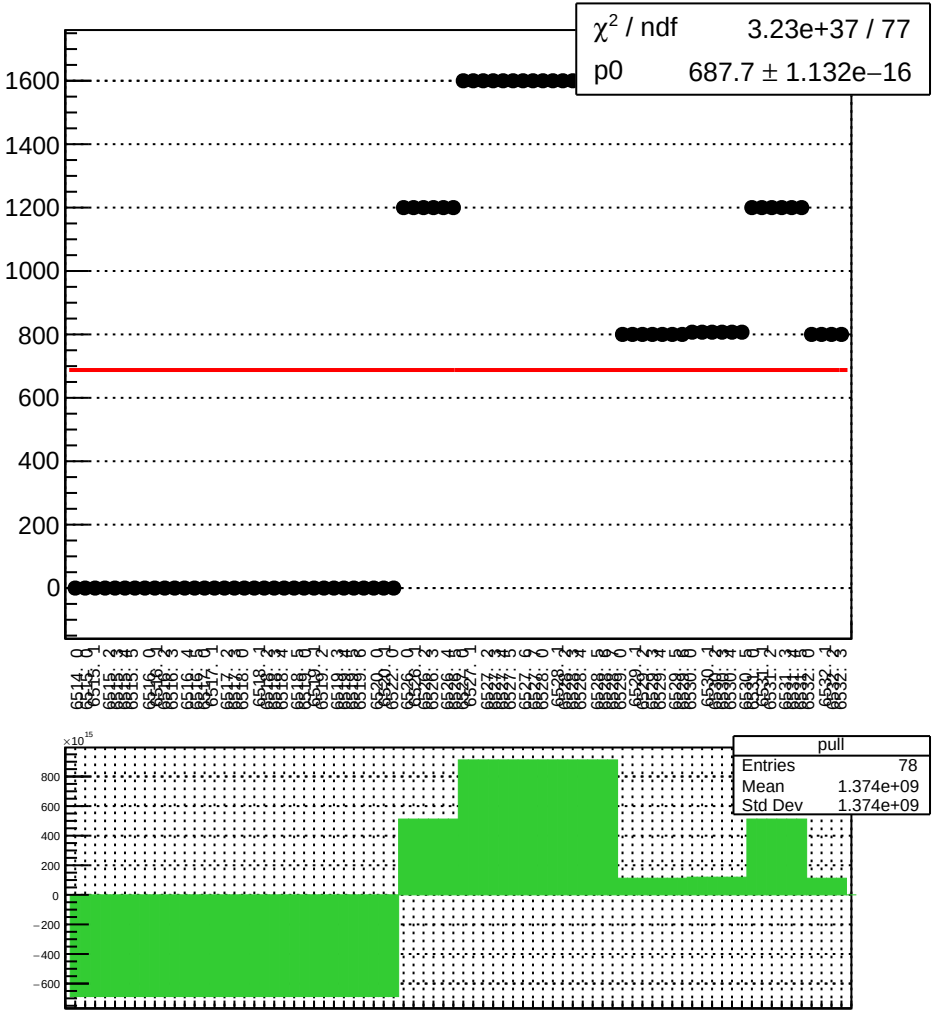

dit_atr2_coil6_mean vs run
χ^2 / ndf inf / 77
p0 –3374 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 78
Mean –9.834e+08
Std Dev 9.834e+08
$\times 10^{15}$
3000
2000
1000
0
–1000
–2000
–3000

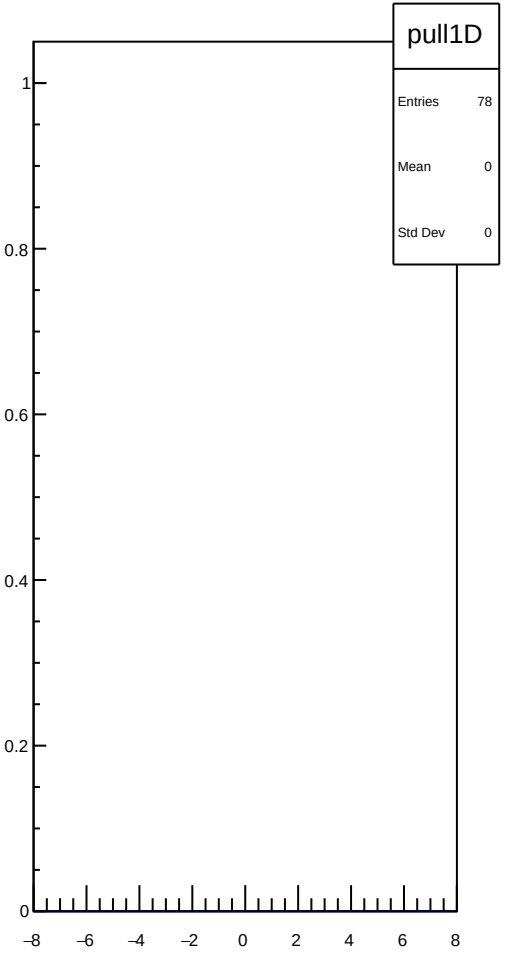

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

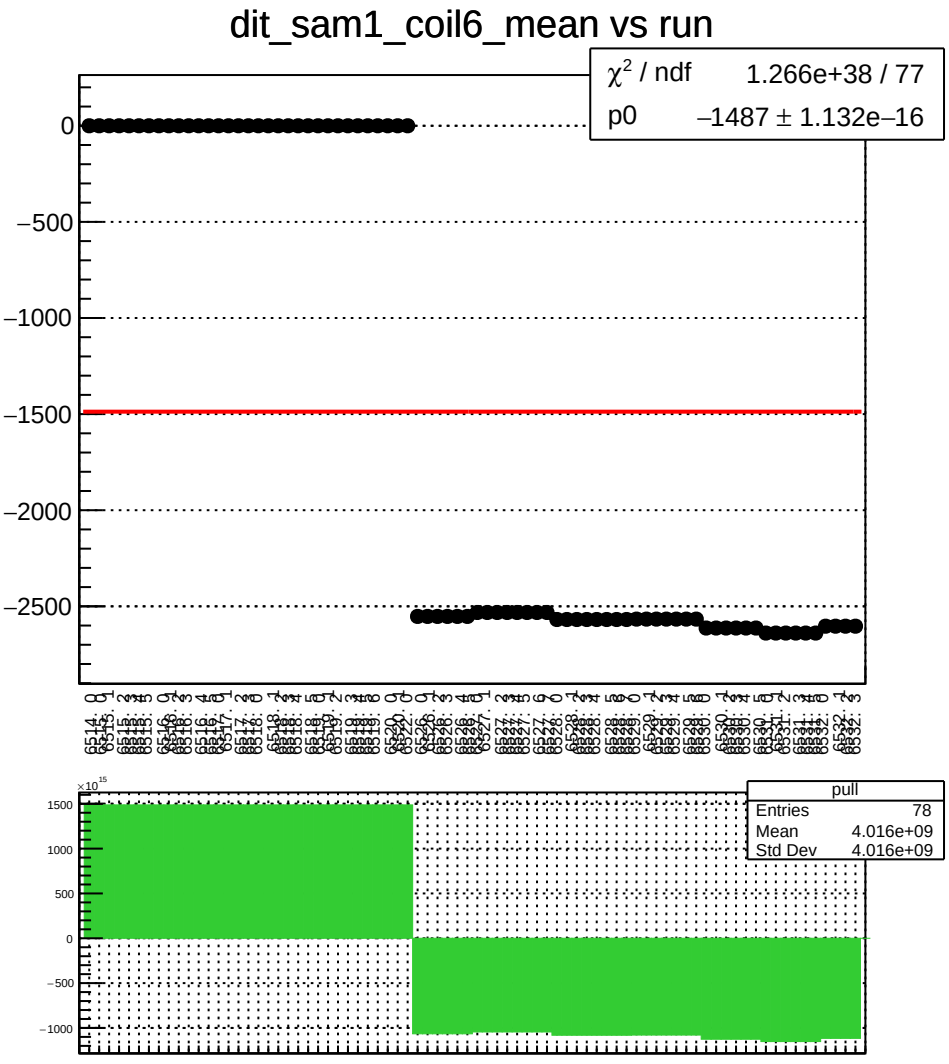

dit_atr2_coil6_err_mean vs run
χ^2 / ndf 1.034e+37 / 77
p0 393.5 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 1.681e+09
Std Dev 1.681e+09
400
200
0
−200
−400

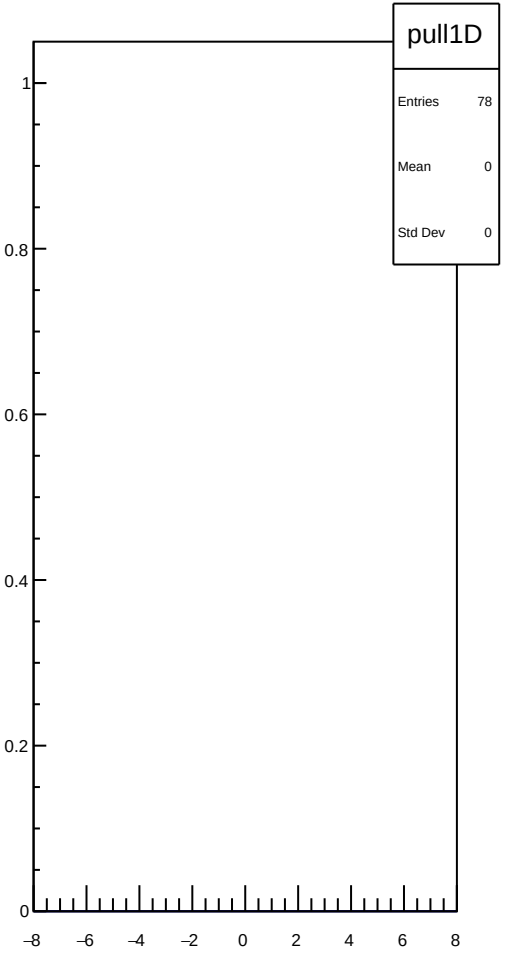

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_Ndata_mean vs run

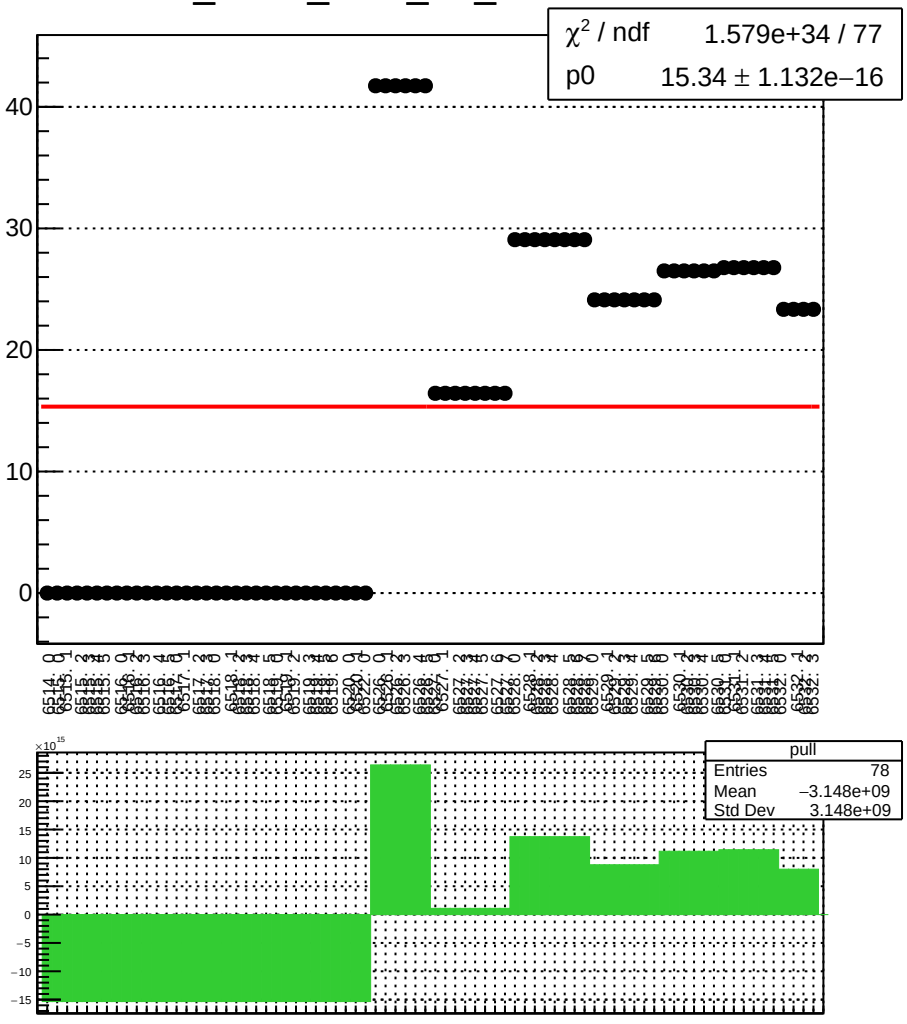


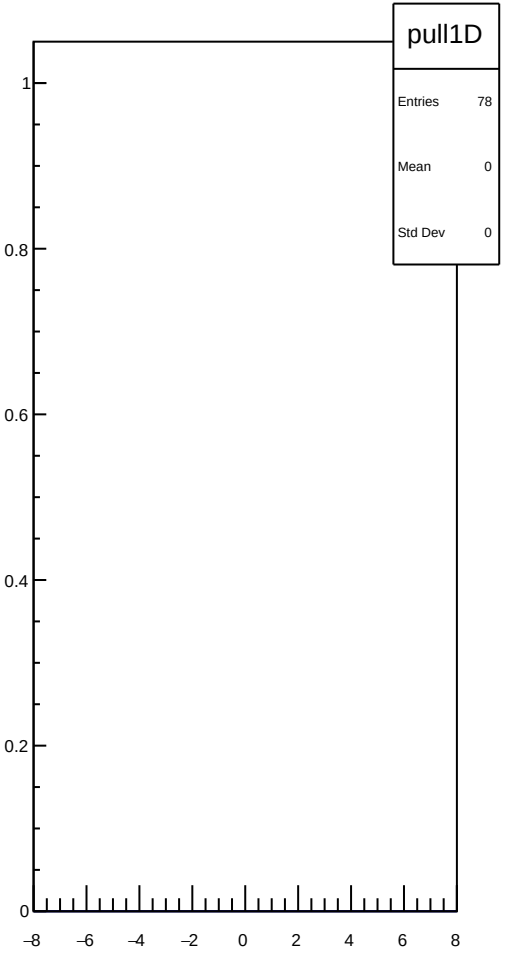


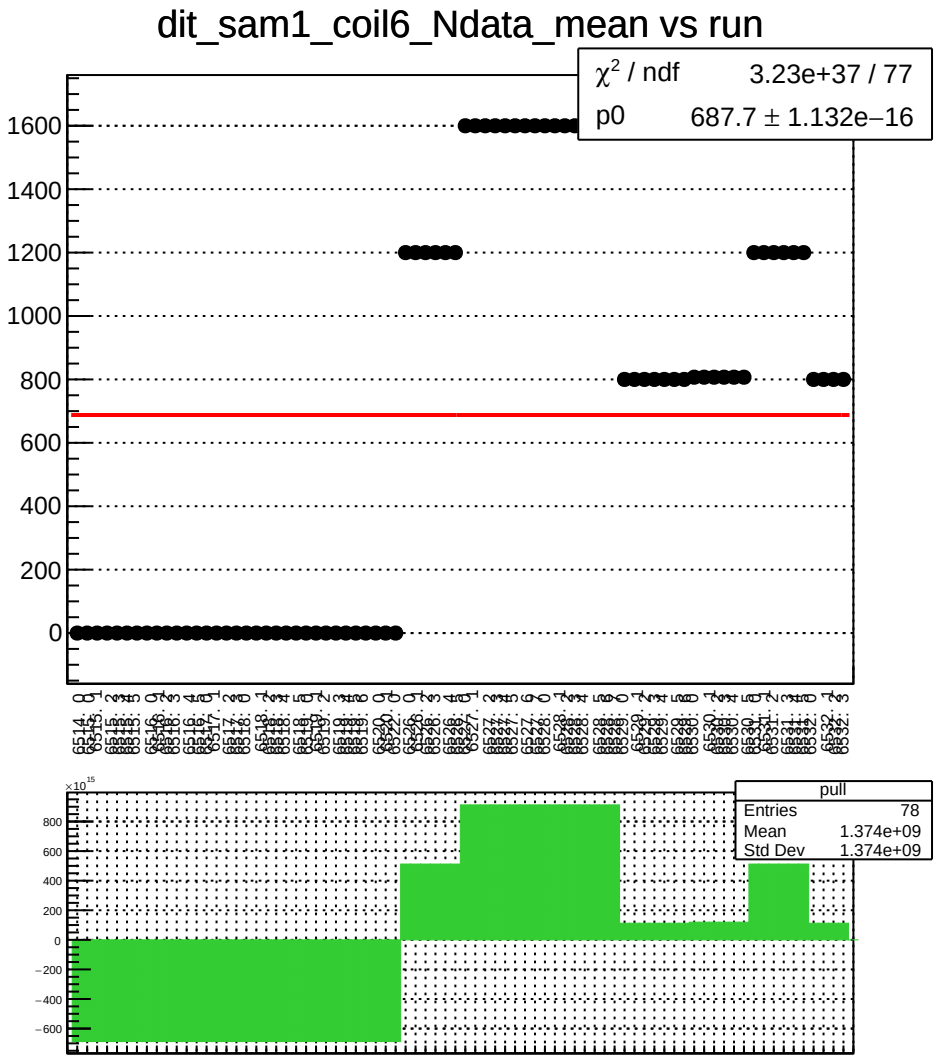

dit_sam1_coil6_mean vs run
χ² / ndf 1.266e+38 / 77
p0 –1487 ± 1.132e–16
0
–500
–1000
–1500
–2000
–2500
pull
Entries 78
Mean 4.016e+09
Std Dev 4.016e+09
×10¹⁵
1500
1000
500
0
–500
–1000

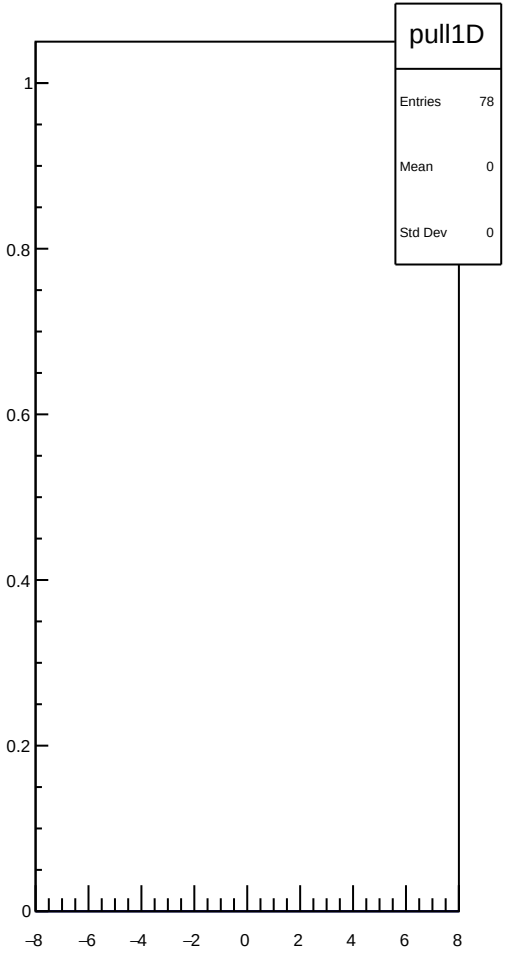

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

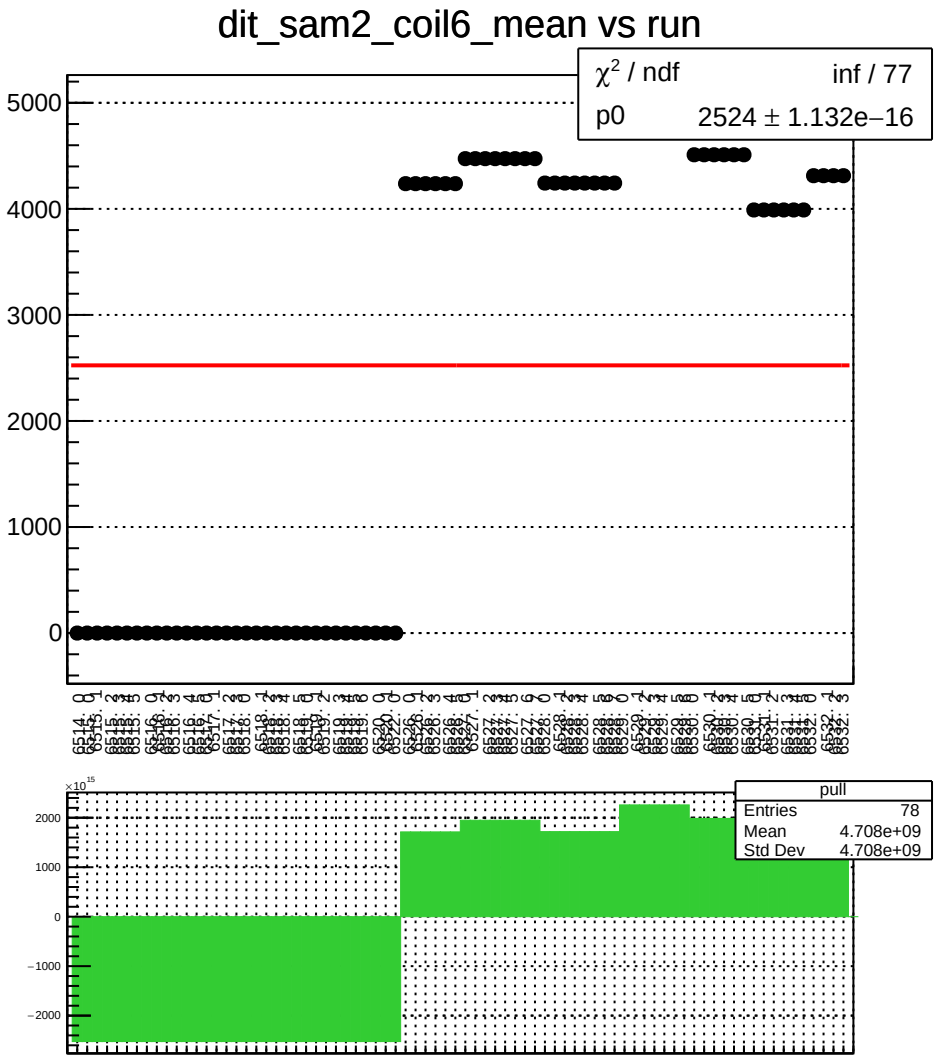
dit_sam1_coil6_err_mean vs run

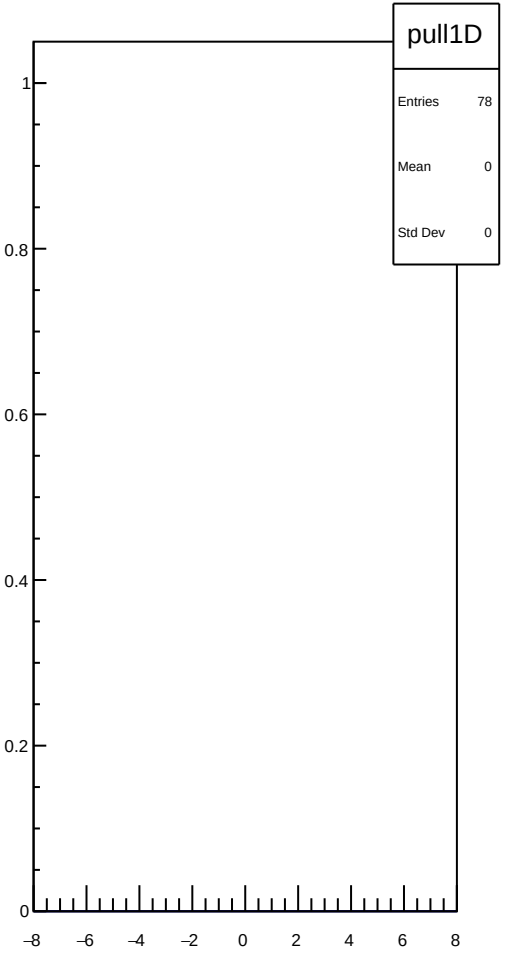


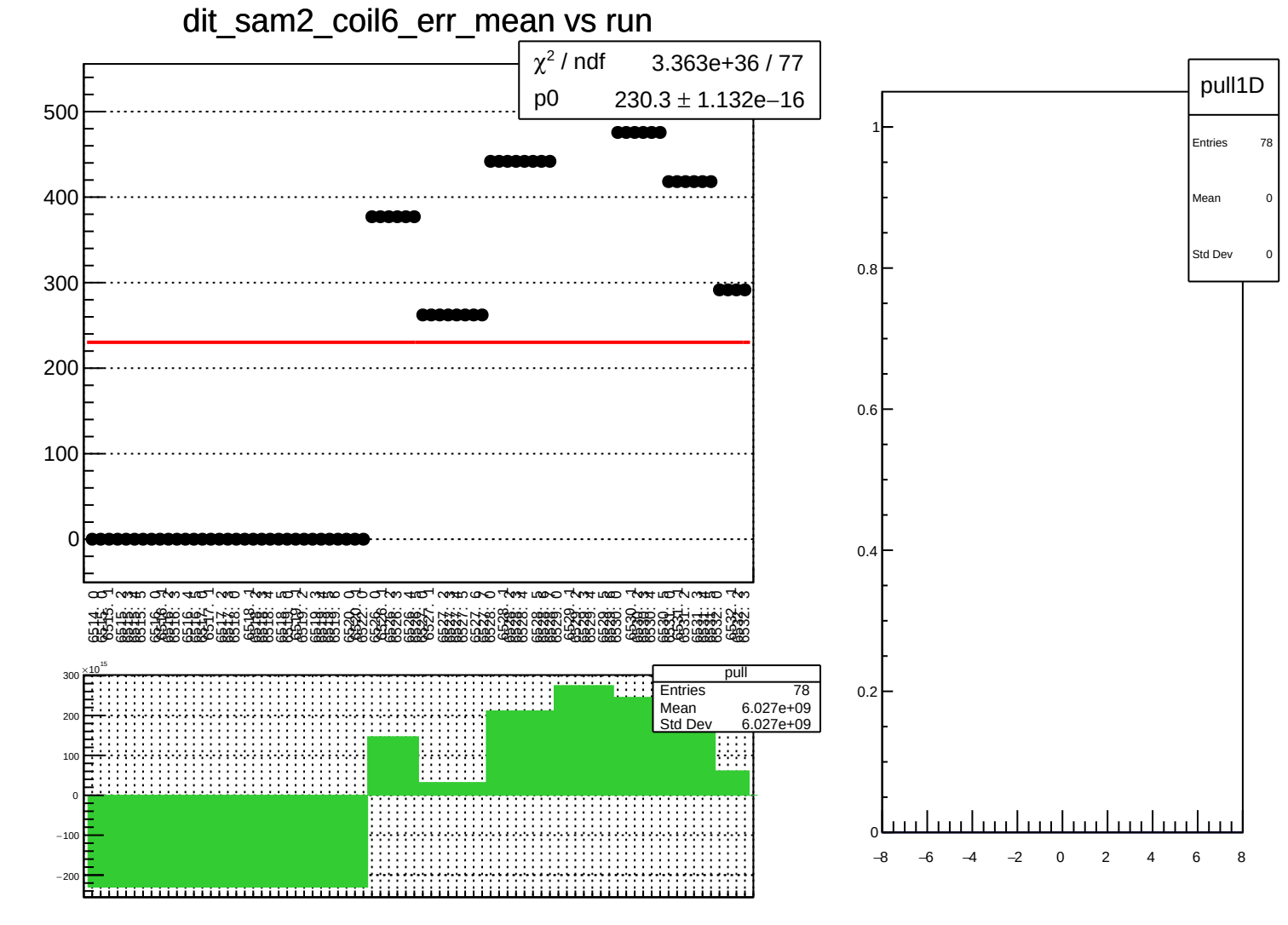


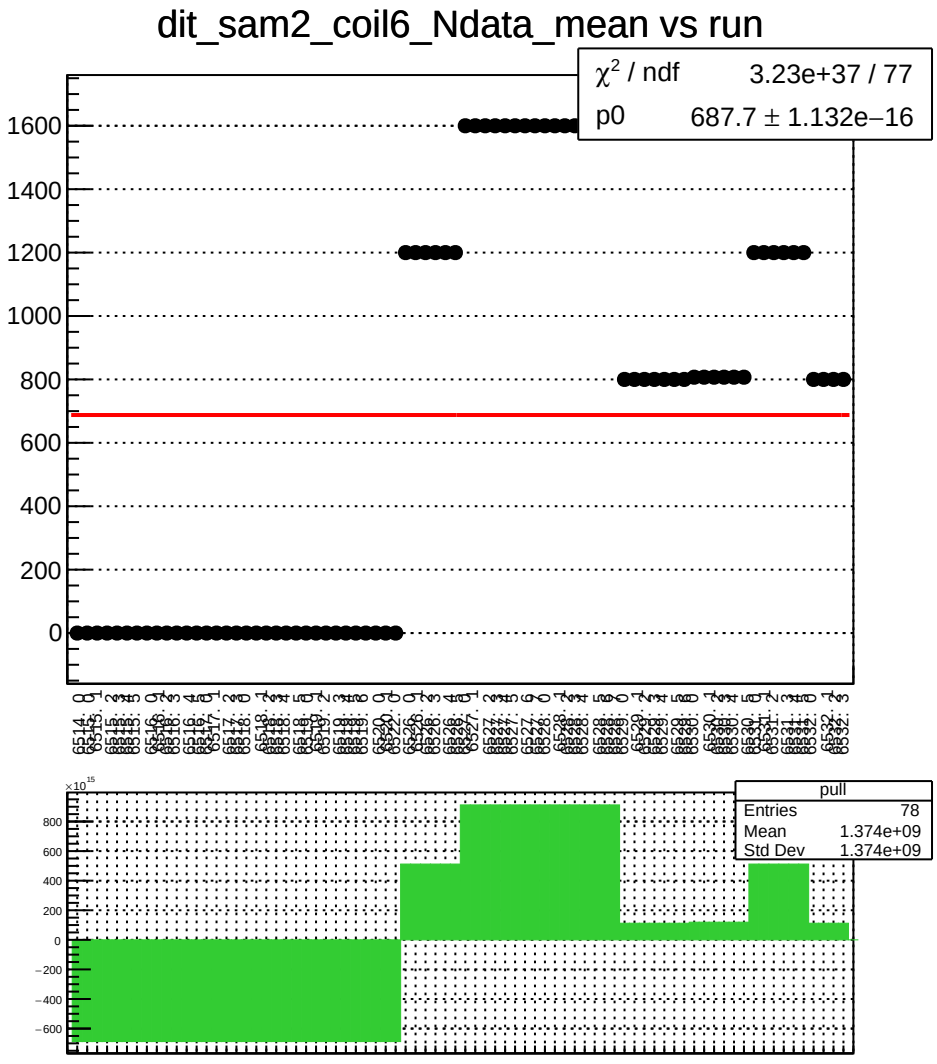

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

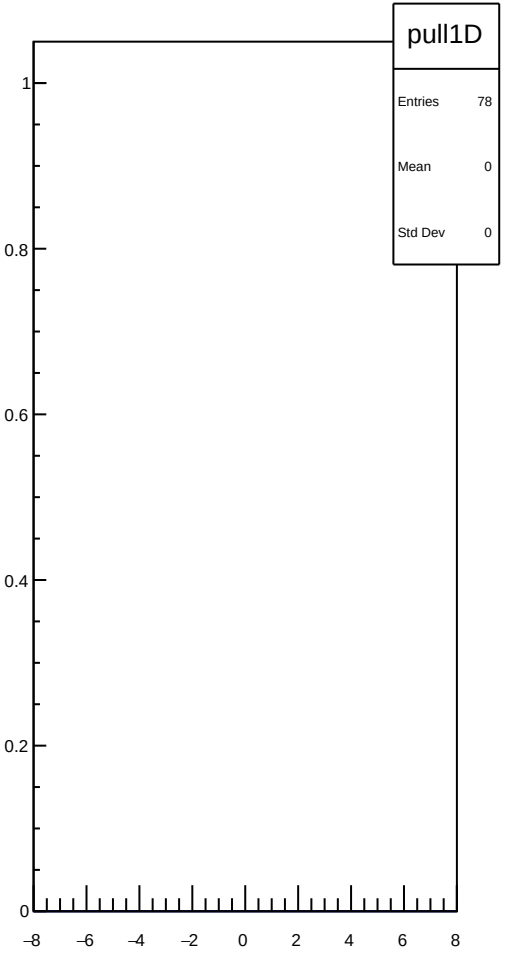

pull1D
Entries 78
Mean 0
Std Dev 0

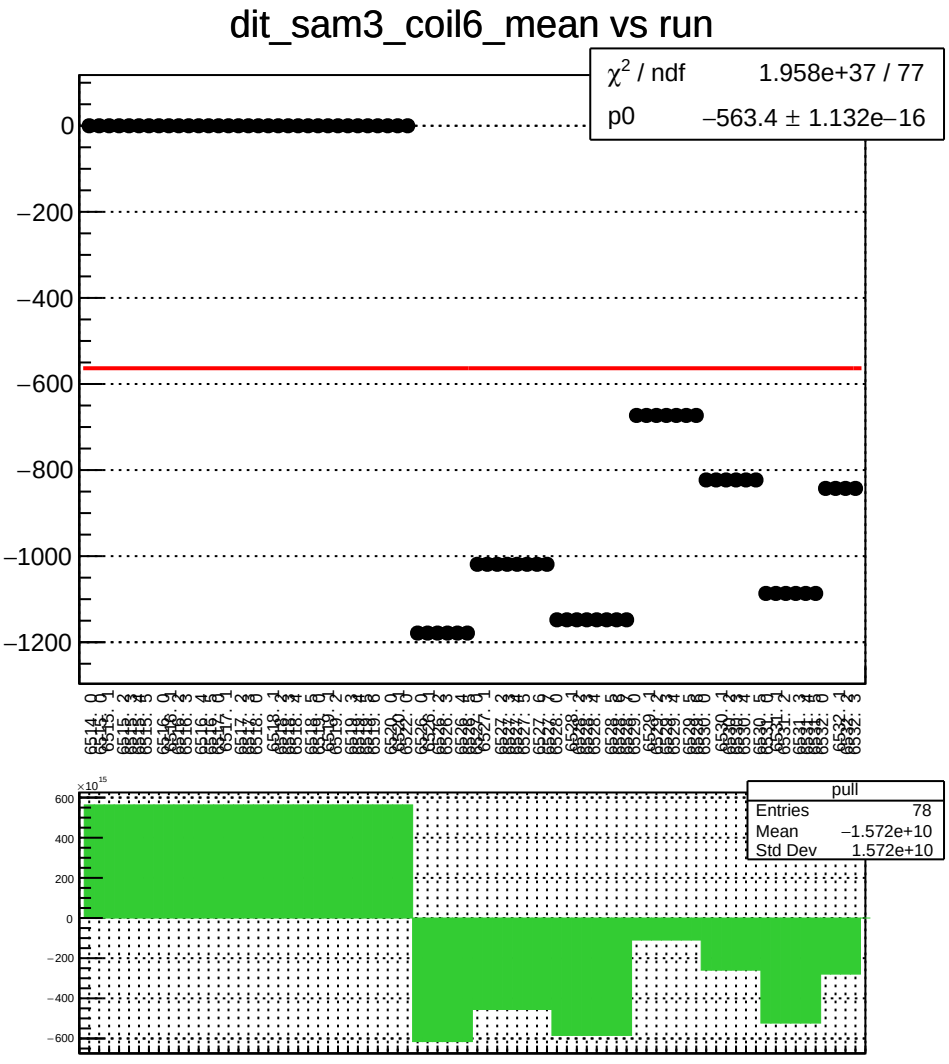

dit_sam2_coil6_mean vs run
χ^2 / ndf inf / 77
p0 2524 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 4.708e+09
Std Dev 4.708e+09
2000
1000
0
−1000
−2000

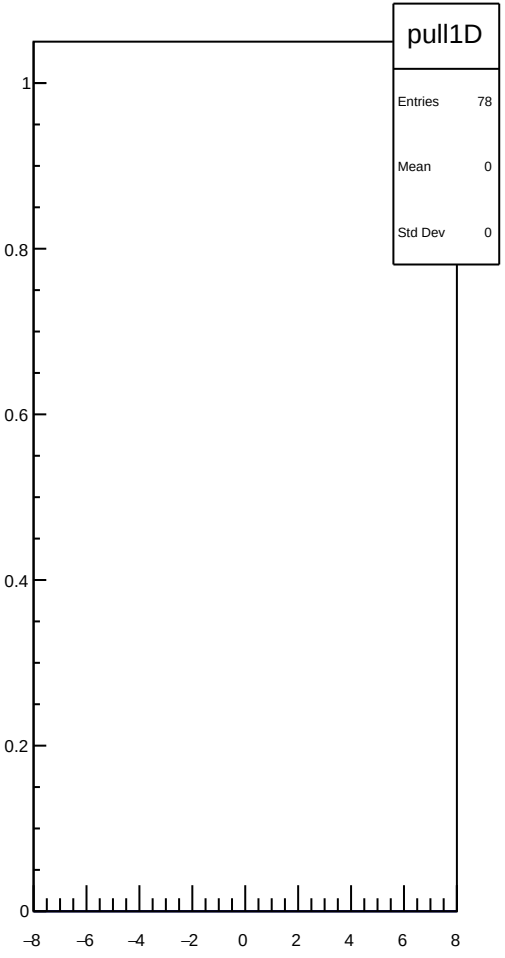

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

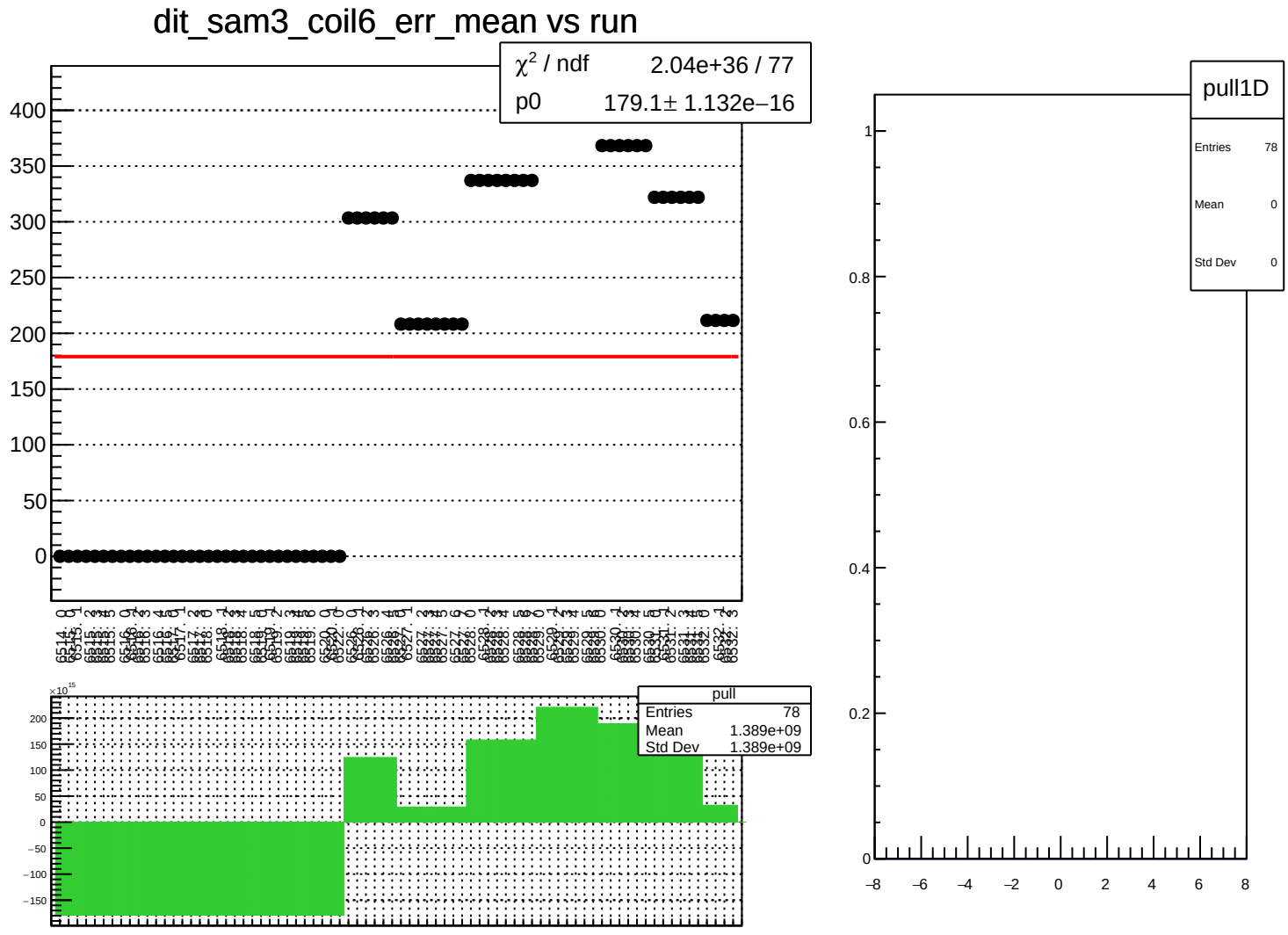

dit_sam2_coil6_err_mean vs run
χ² / ndf 3.363e+36 / 77
p0 230.3 ± 1.132e−16
pull
Entries 78
Mean 6.027e+09
Std Dev 6.027e+09
pull1D
Entries 78
Mean 0
Std Dev 0

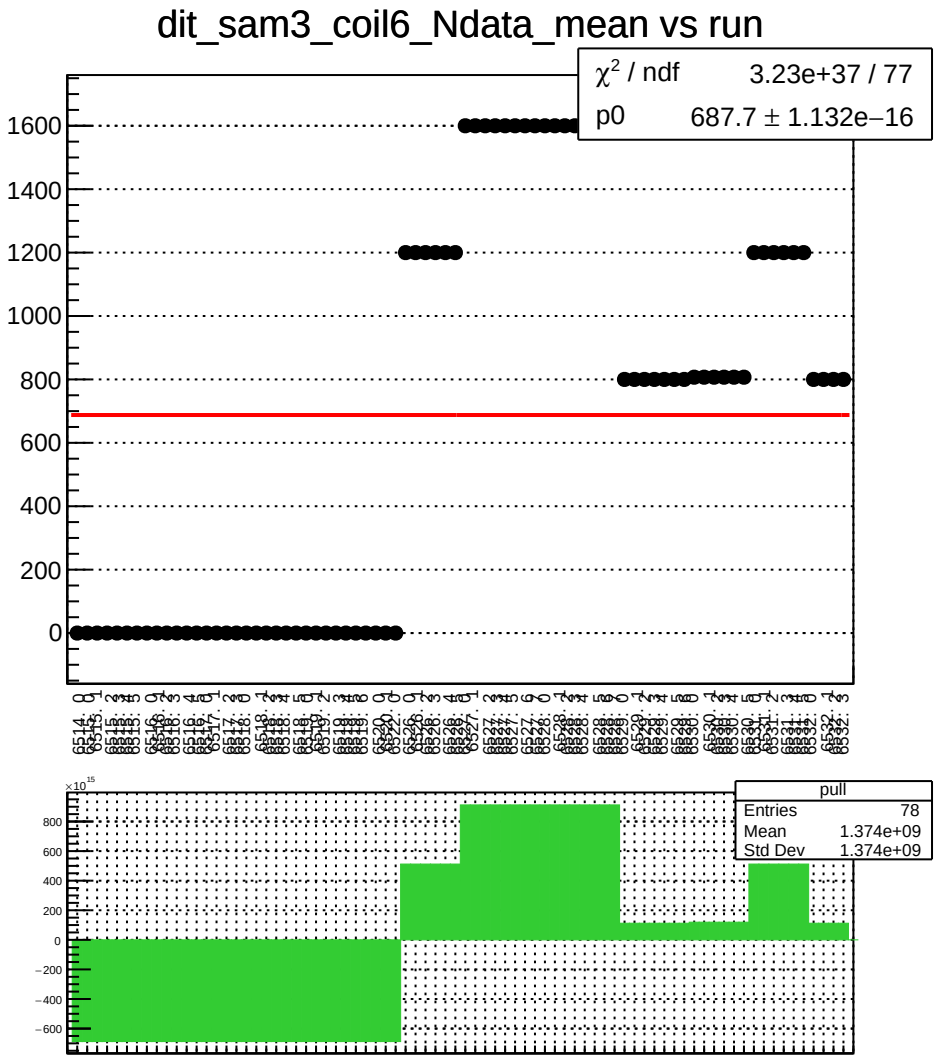

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

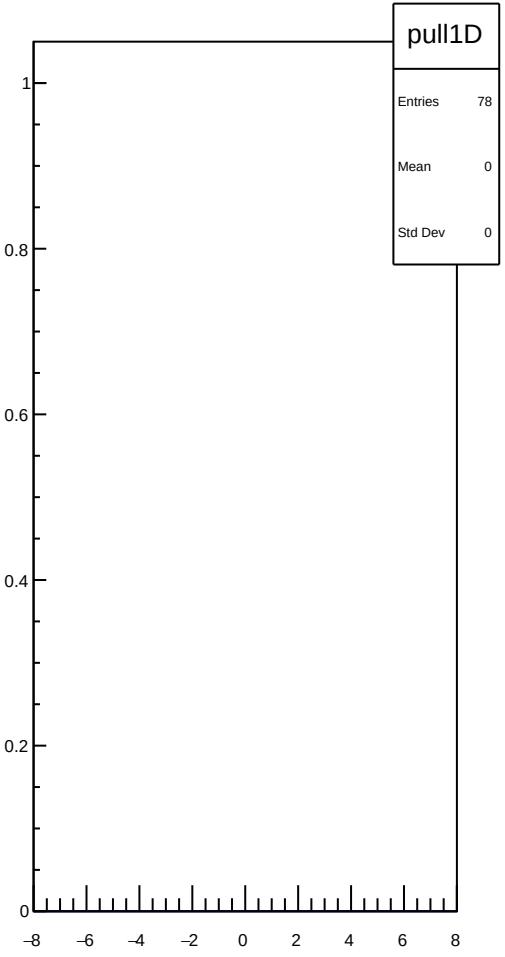

pull1D
Entries 78
Mean 0
Std Dev 0

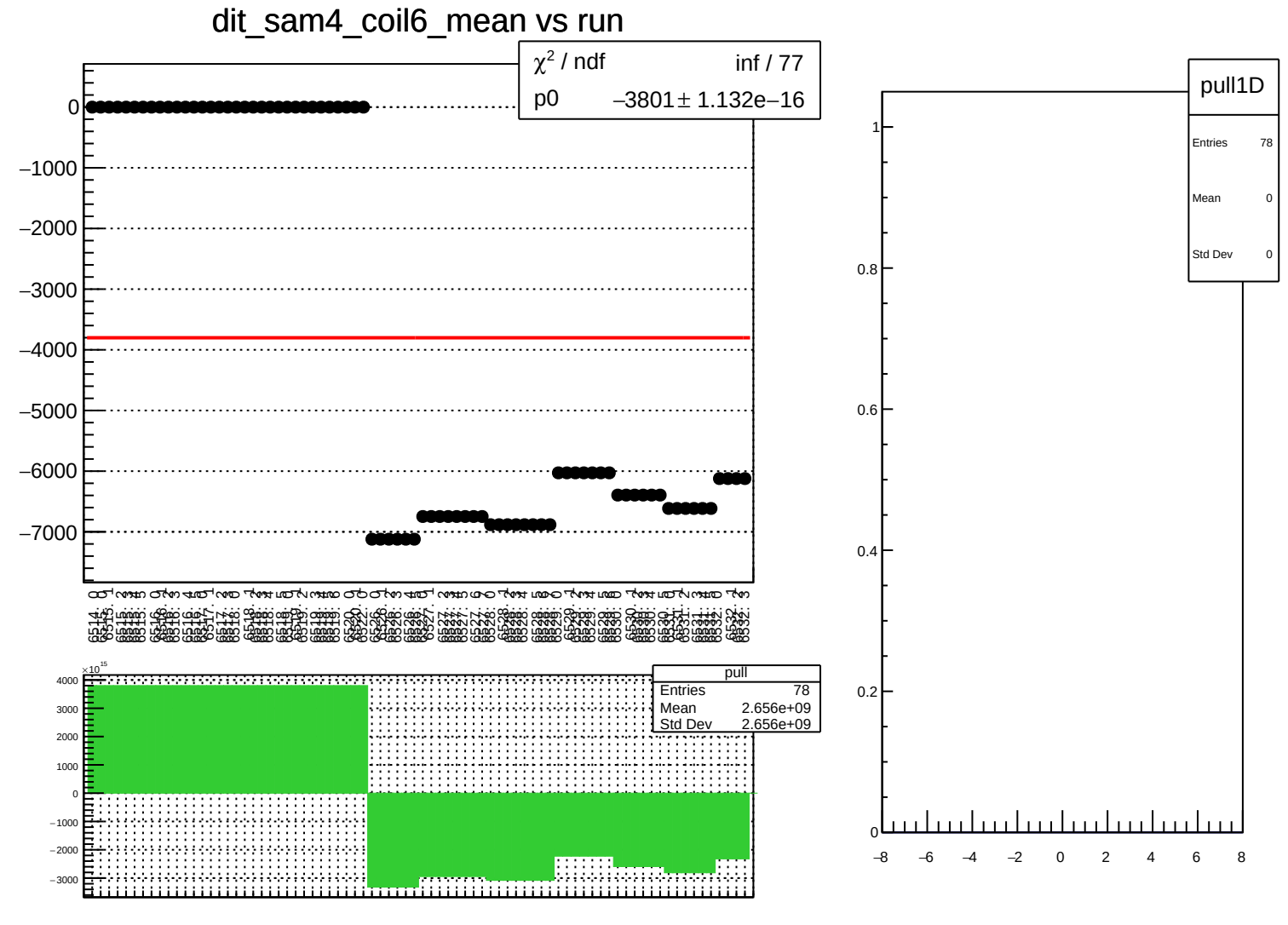

dit_sam3_coil6_mean vs run
χ² / ndf 1.958e+37 / 77
p0 −563.4 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 78
Mean −1.572e+10
Std Dev 1.572e+10
×10¹⁵
600
400
200
0
−200
−400
−600

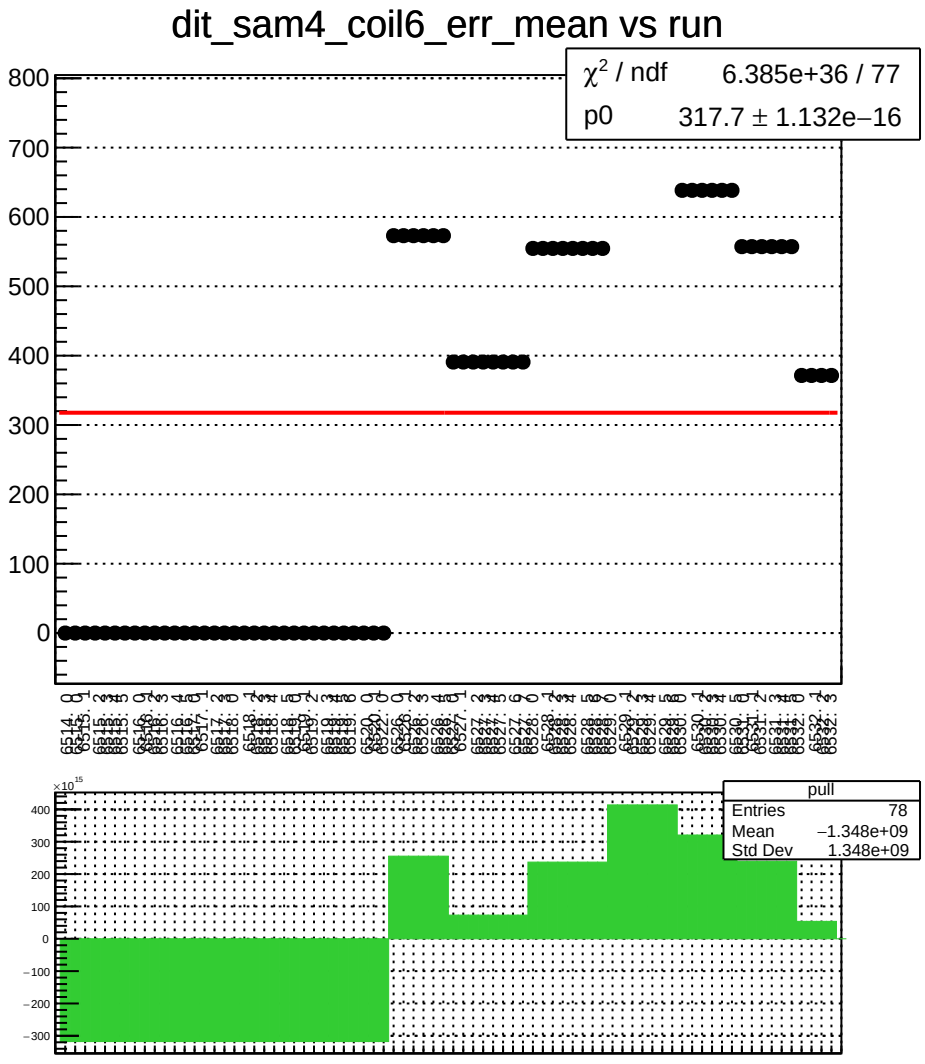

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

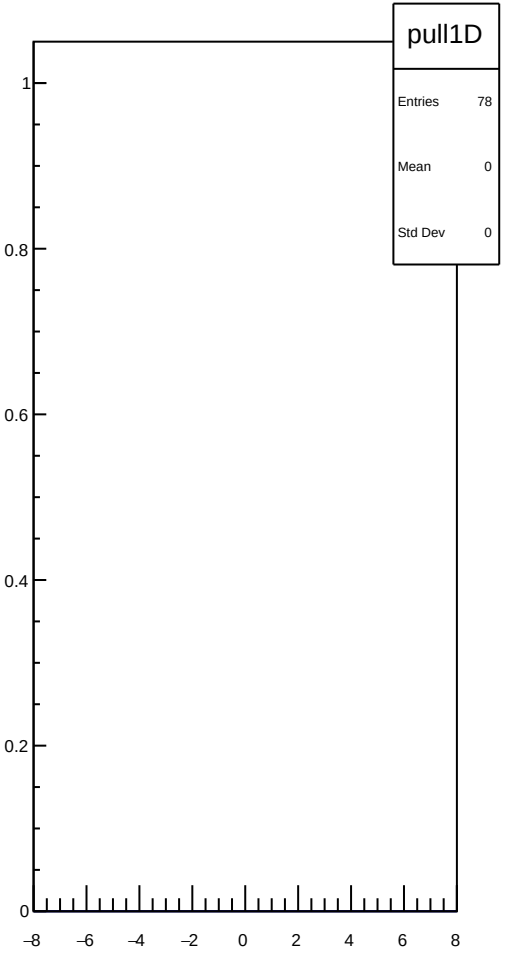

dit_sam3_coil6_err_mean vs run
χ² / ndf 2.04e+36 / 77
p0 179.1± 1.132e−16
pull
Entries 78
Mean 1.389e+09
Std Dev 1.389e+09
pull1D
Entries 78
Mean 0
Std Dev 0

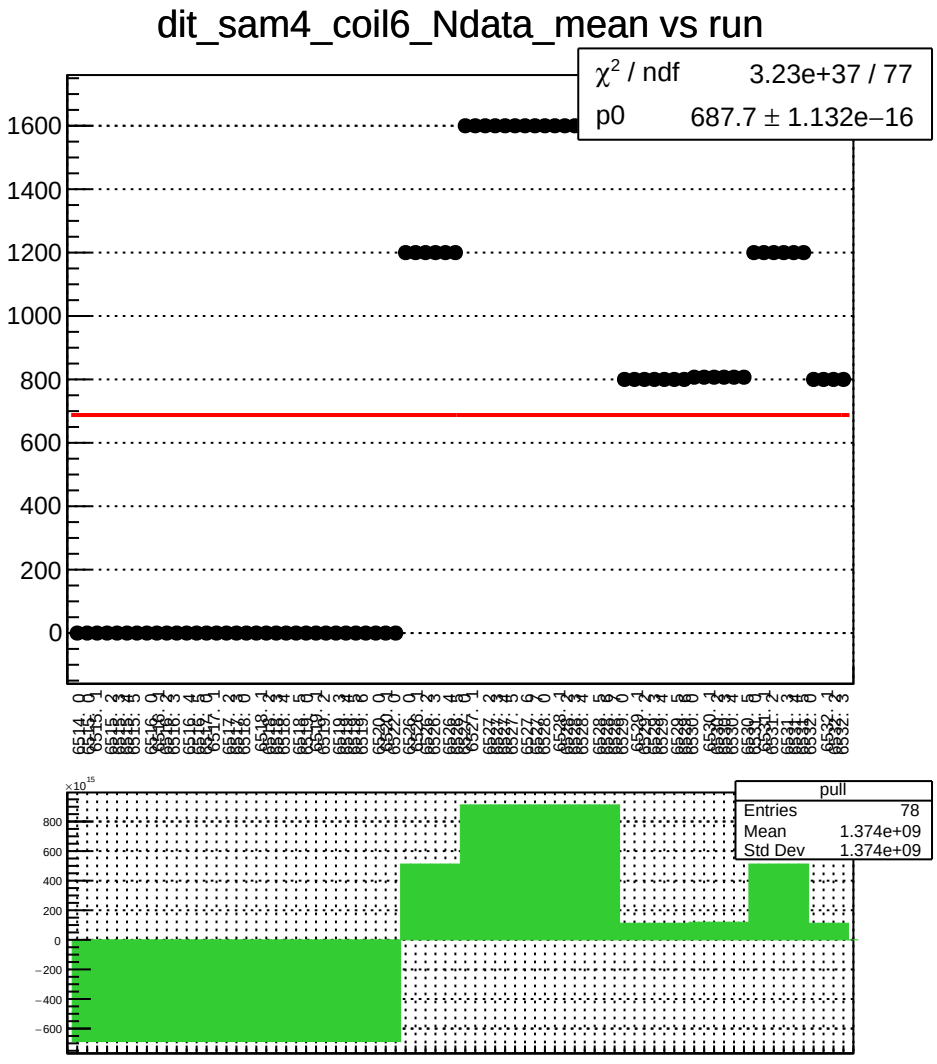

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

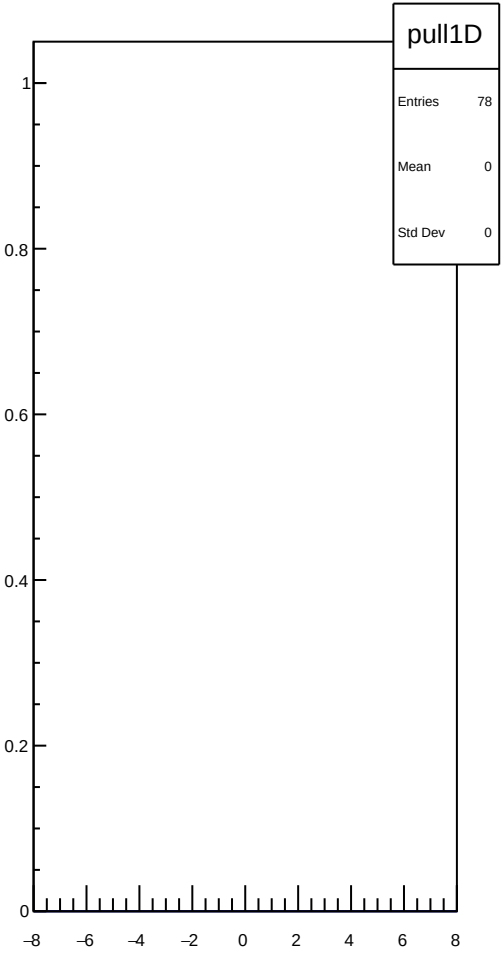

pull1D
Entries 78
Mean 0
Std Dev 0

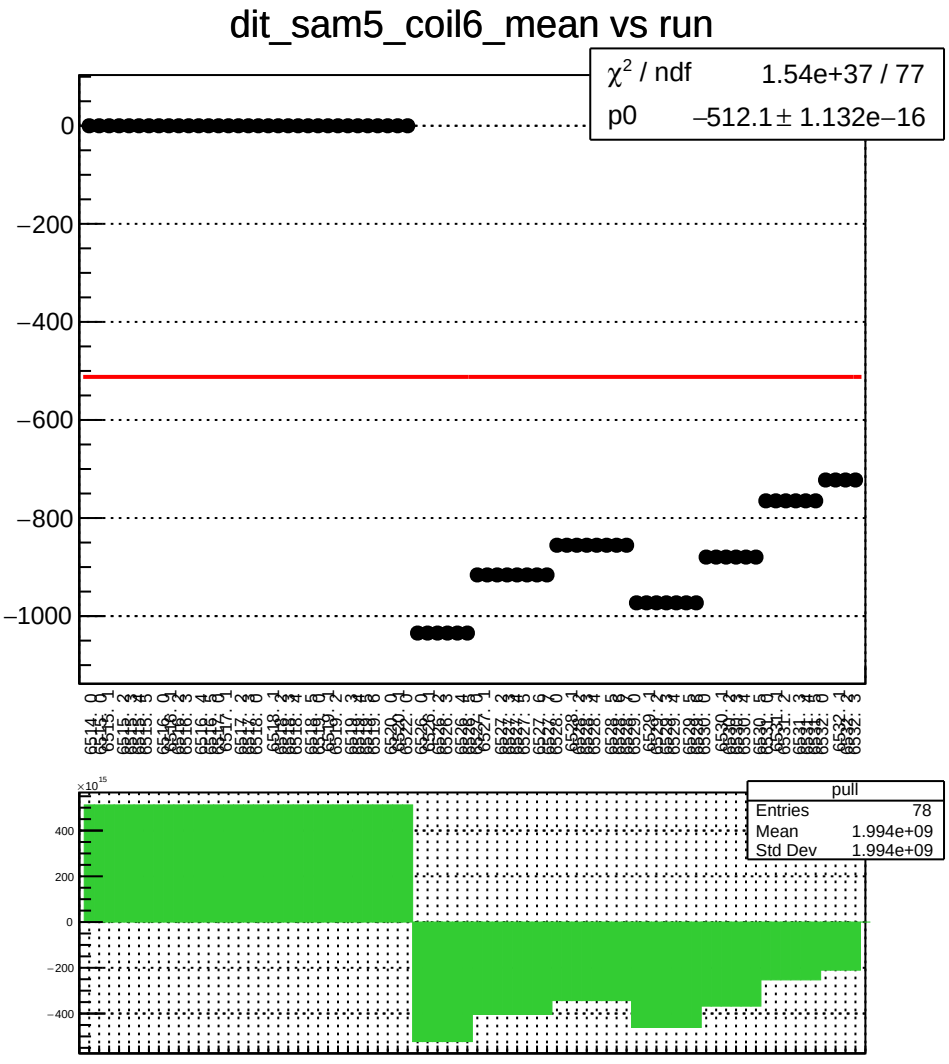

dit_sam4_coil6_mean vs run
χ² / ndf inf / 77
p0 −3801 ± 1.132e−16
pull
Entries 78
Mean 2.656e+09
Std Dev 2.656e+09
pull1D
Entries 78
Mean 0
Std Dev 0

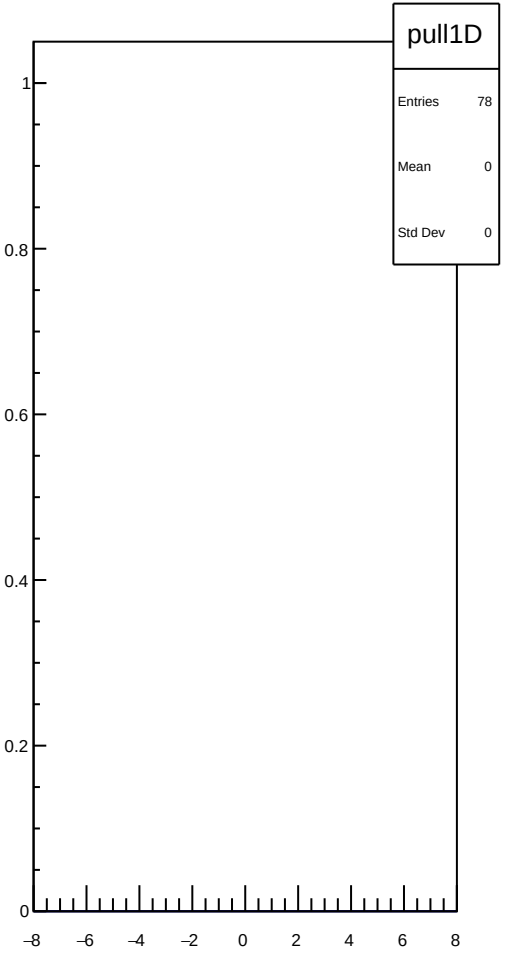

dit_sam4_coil6_err_mean vs run
χ^2 / ndf 6.385e+36 / 77
p0 317.7 ± 1.132e−16
pull
Entries 78
Mean −1.348e+09
Std Dev 1.348e+09

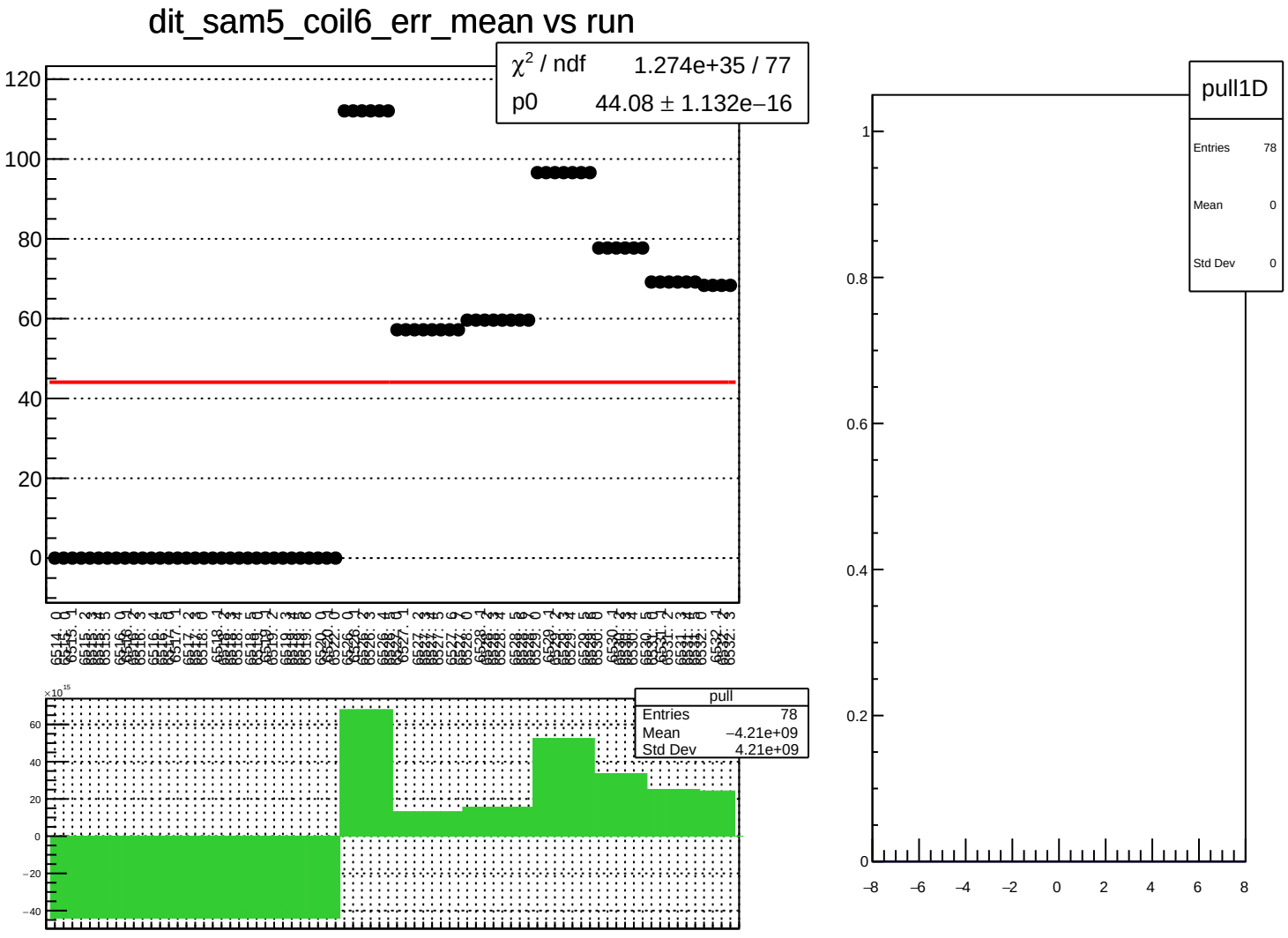

pull1D
Entries 78
Mean 0
Std Dev 0

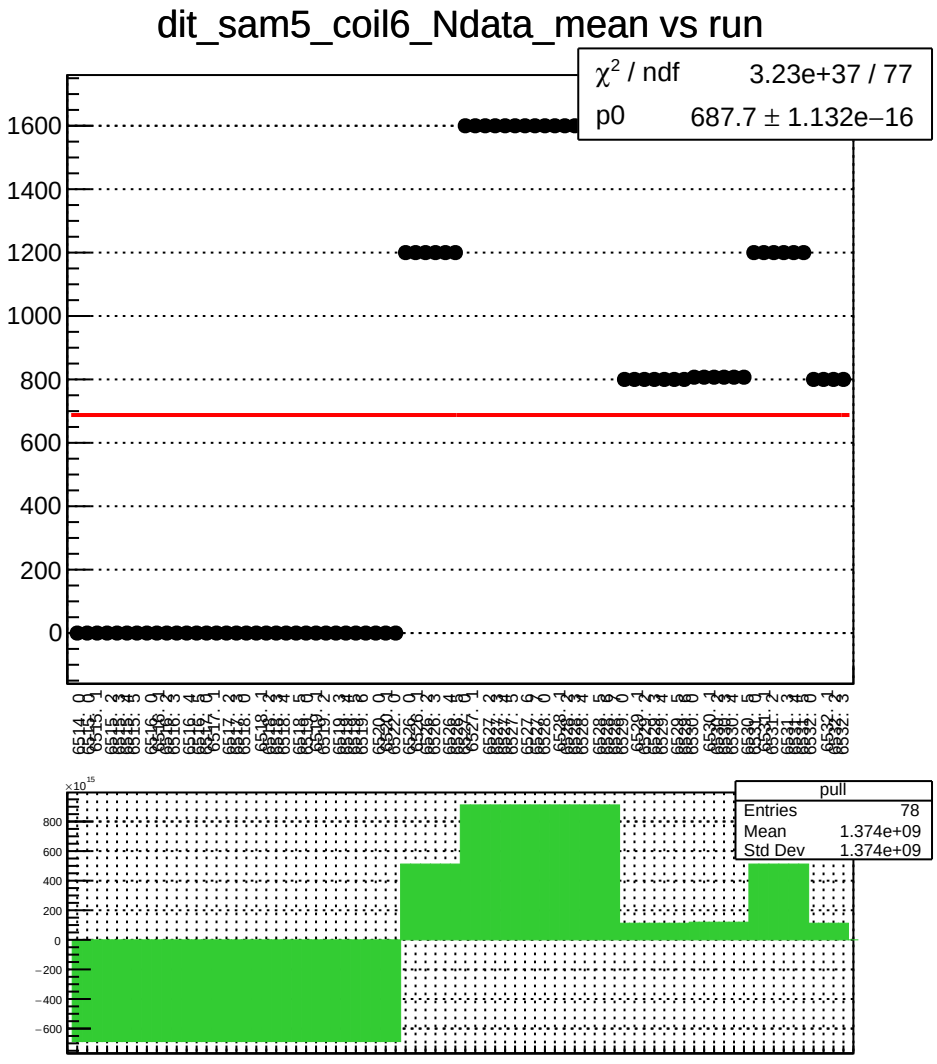

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

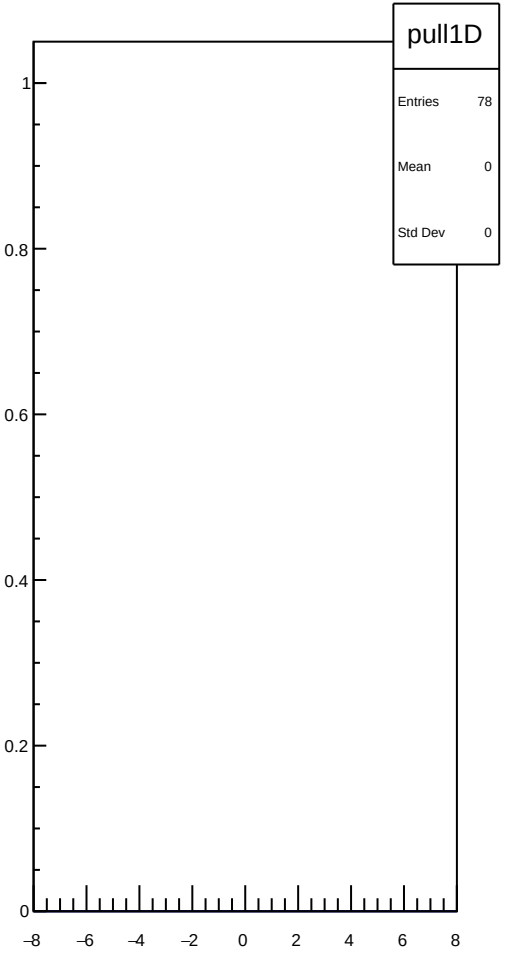

pull1D
Entries 78
Mean 0
Std Dev 0

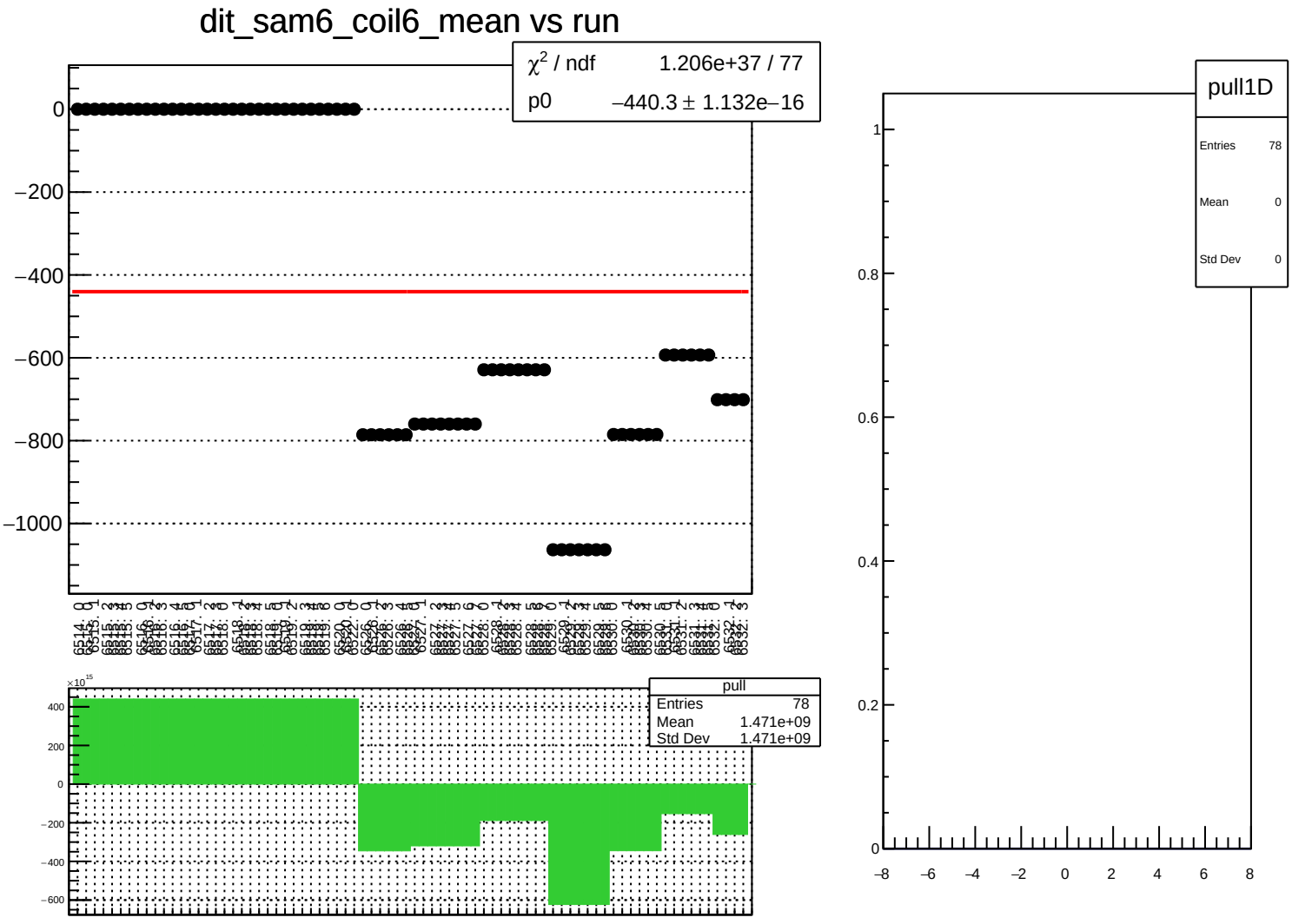

dit_sam5_coil6_mean vs run
χ² / ndf 1.54e+37 / 77
p0 –512.1 ± 1.132e–16
0
–200
–400
–600
–800
–1000
pull
Entries 78
Mean 1.994e+09
Std Dev 1.994e+09
×10¹⁵
400
200
0
–200
–400

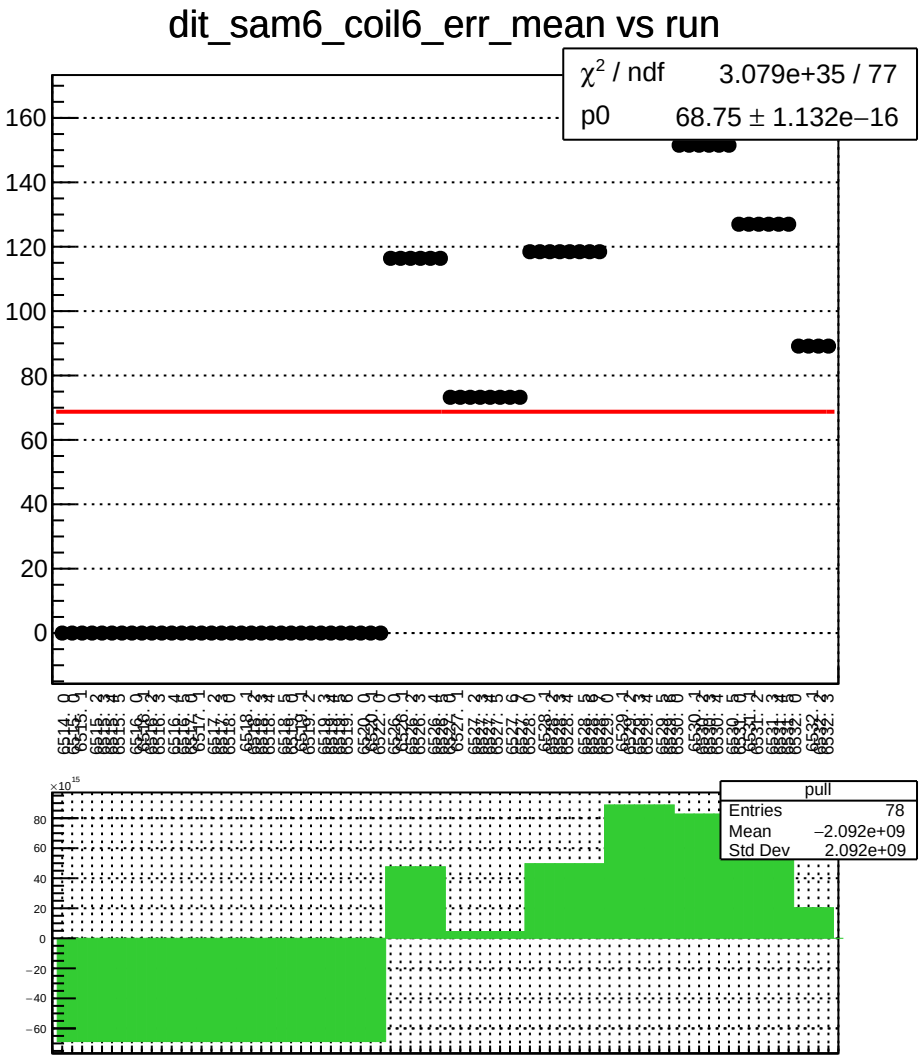

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

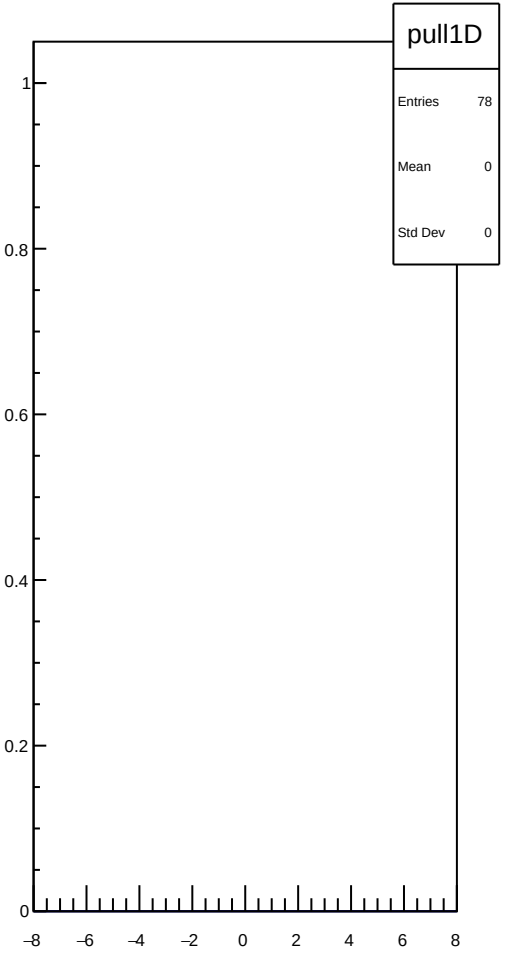

dit_sam5_coil6_err_mean vs run
χ² / ndf 1.274e+35 / 77
p0 44.08 ± 1.132e−16
pull
Entries 78
Mean −4.21e+09
Std Dev 4.21e+09
pull1D
Entries 78
Mean 0
Std Dev 0

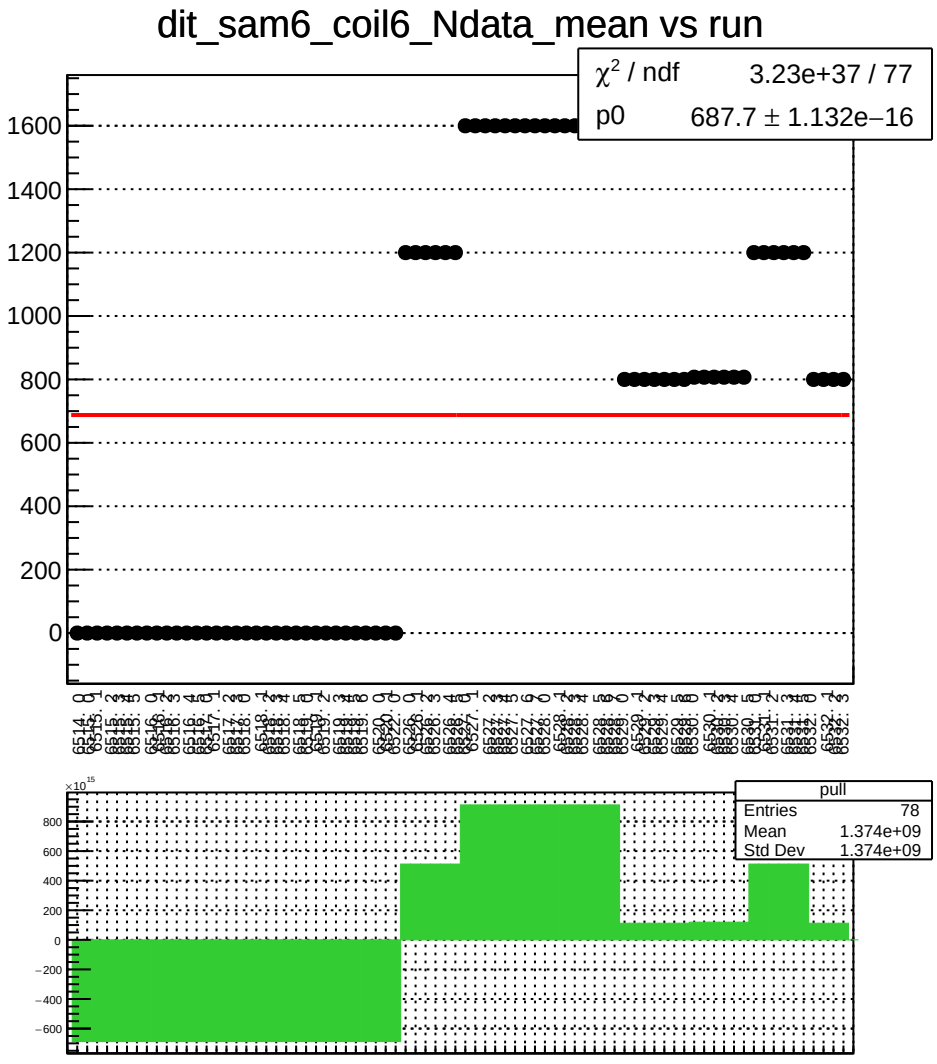

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

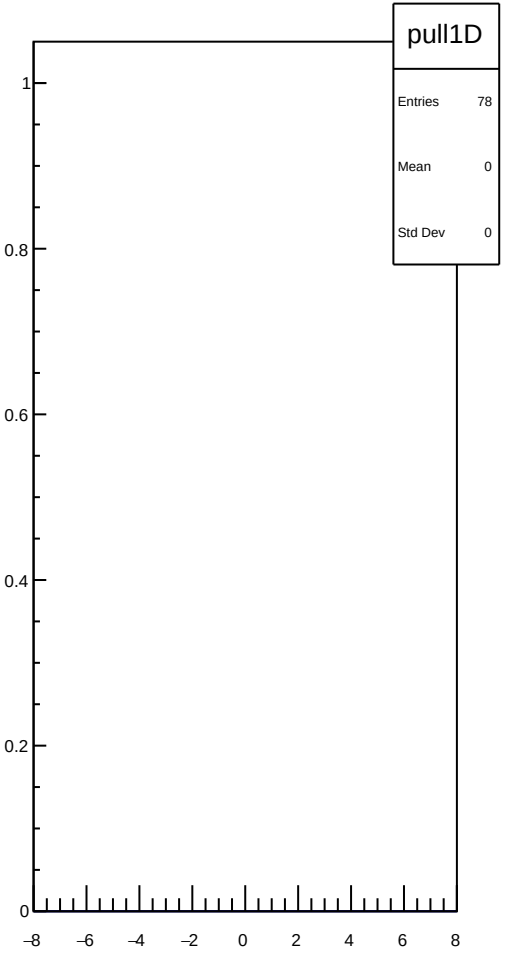

pull1D
Entries 78
Mean 0
Std Dev 0

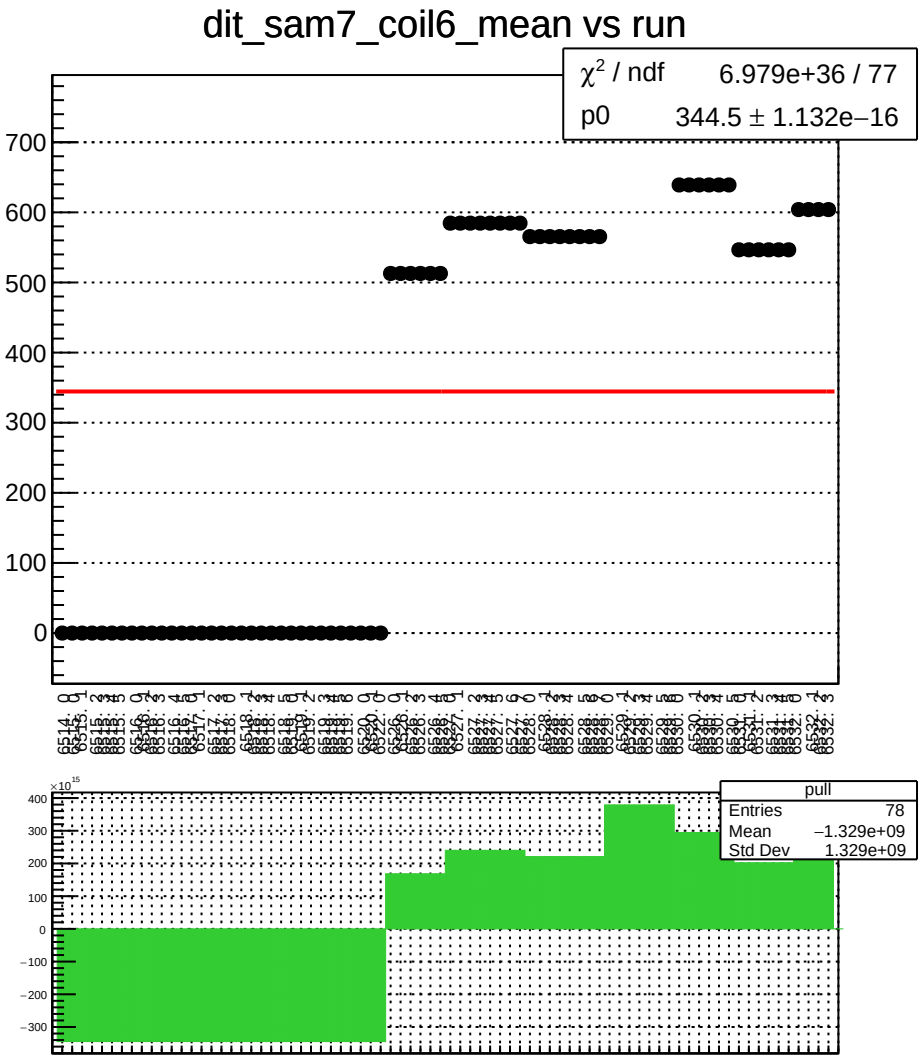

dit_sam6_coil6_mean vs run
χ^2 / ndf 1.206e+37 / 77
p0 −440.3 ± 1.132e−16
0
−200
−400
−600
−800
−1000
pull
Entries 78
Mean 1.471e+09
Std Dev 1.471e+09
×10^15
400
200
0
−200
−400
−600
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

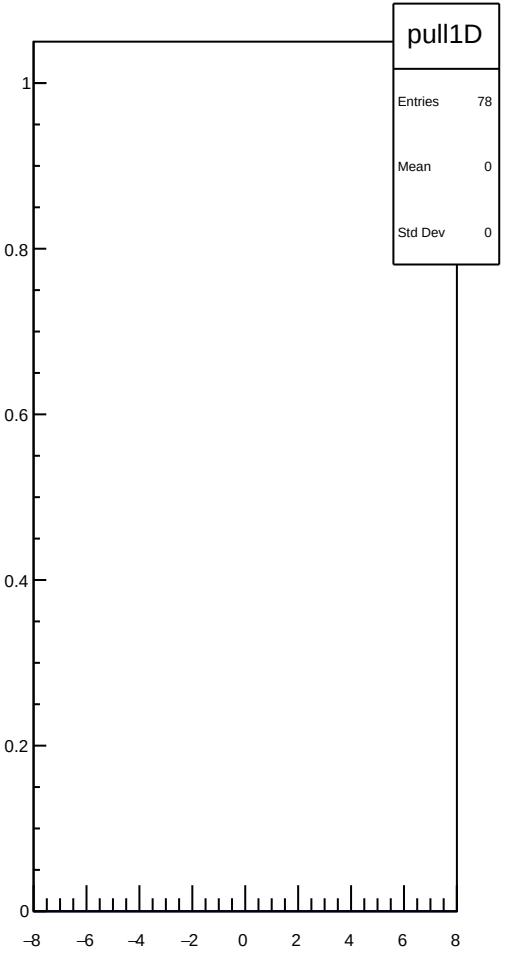

dit_sam6_coil6_err_mean vs run
χ² / ndf 3.079e+35 / 77
p0 68.75 ± 1.132e−16
pull
Entries 78
Mean −2.092e+09
Std Dev 2.092e+09

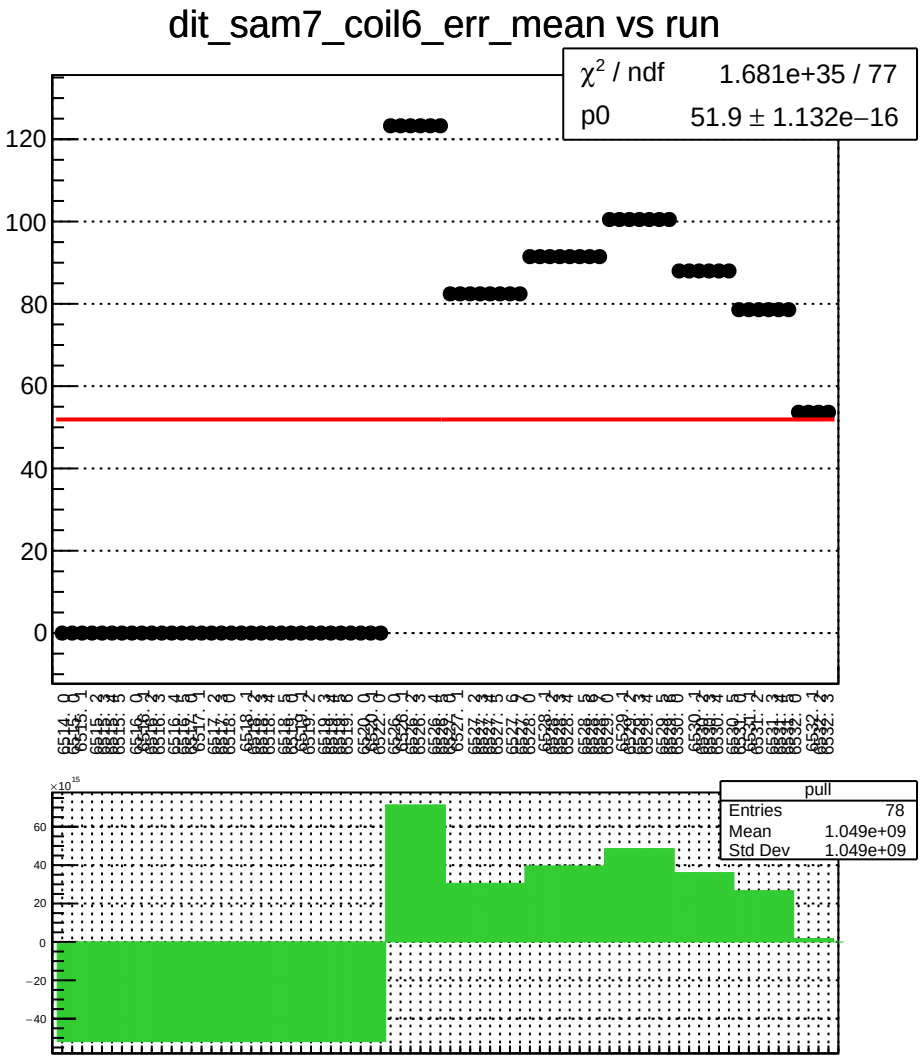

pull1D
Entries 78
Mean 0
Std Dev 0

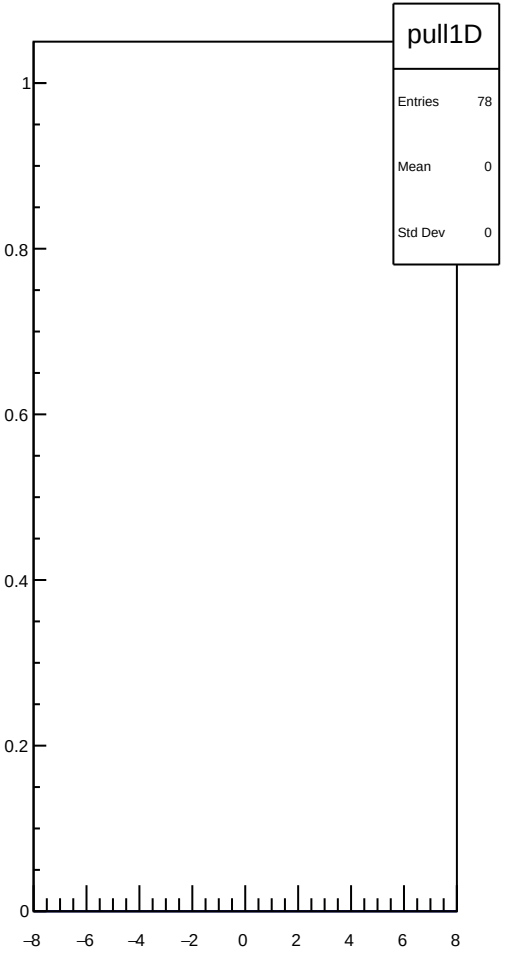

dit_sam6_coil6_Ndata_mean vs run
χ^2 / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

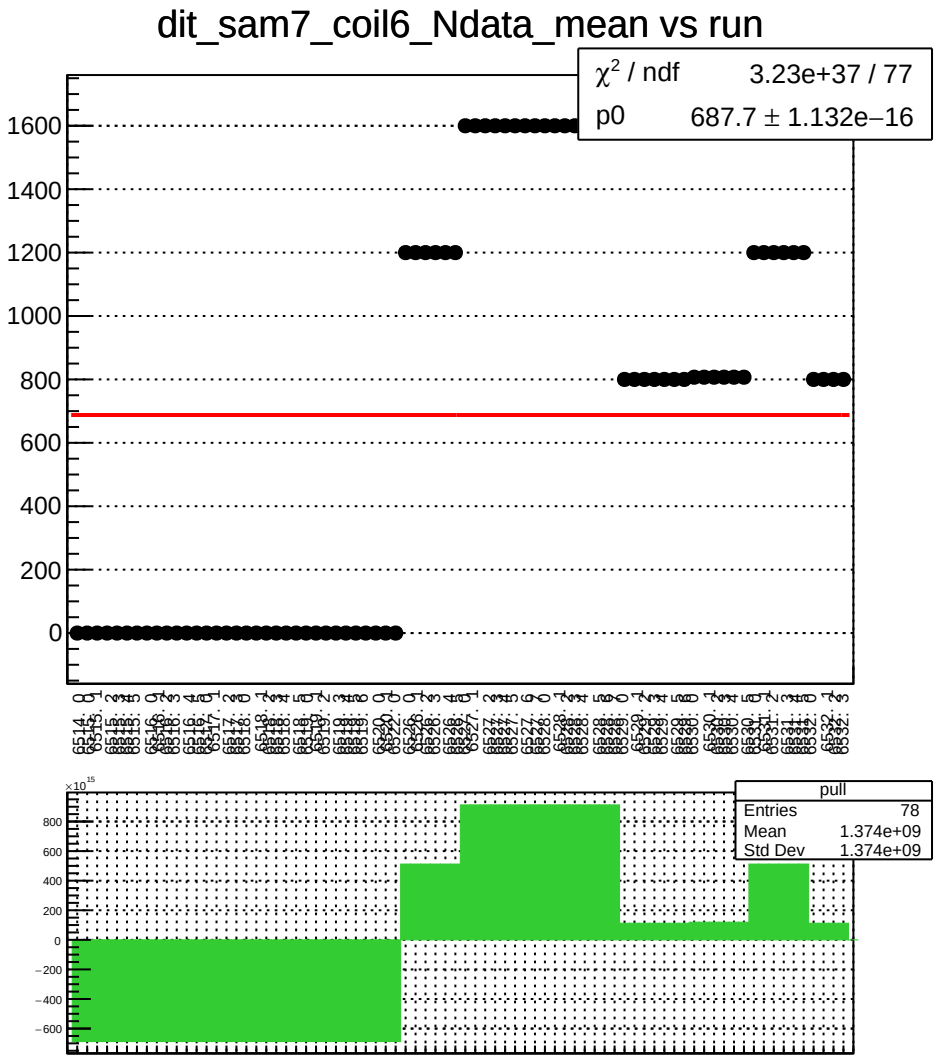

pull1D
Entries 78
Mean 0
Std Dev 0

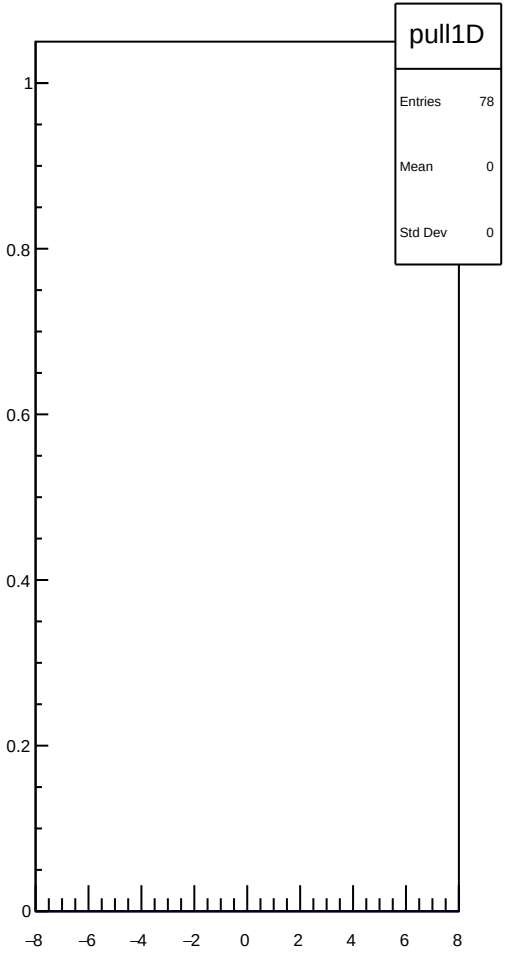

dit_sam7_coil6_mean vs run
χ² / ndf 6.979e+36 / 77
p0 344.5 ± 1.132e−16
pull
Entries 78
Mean −1.329e+09
Std Dev 1.329e+09

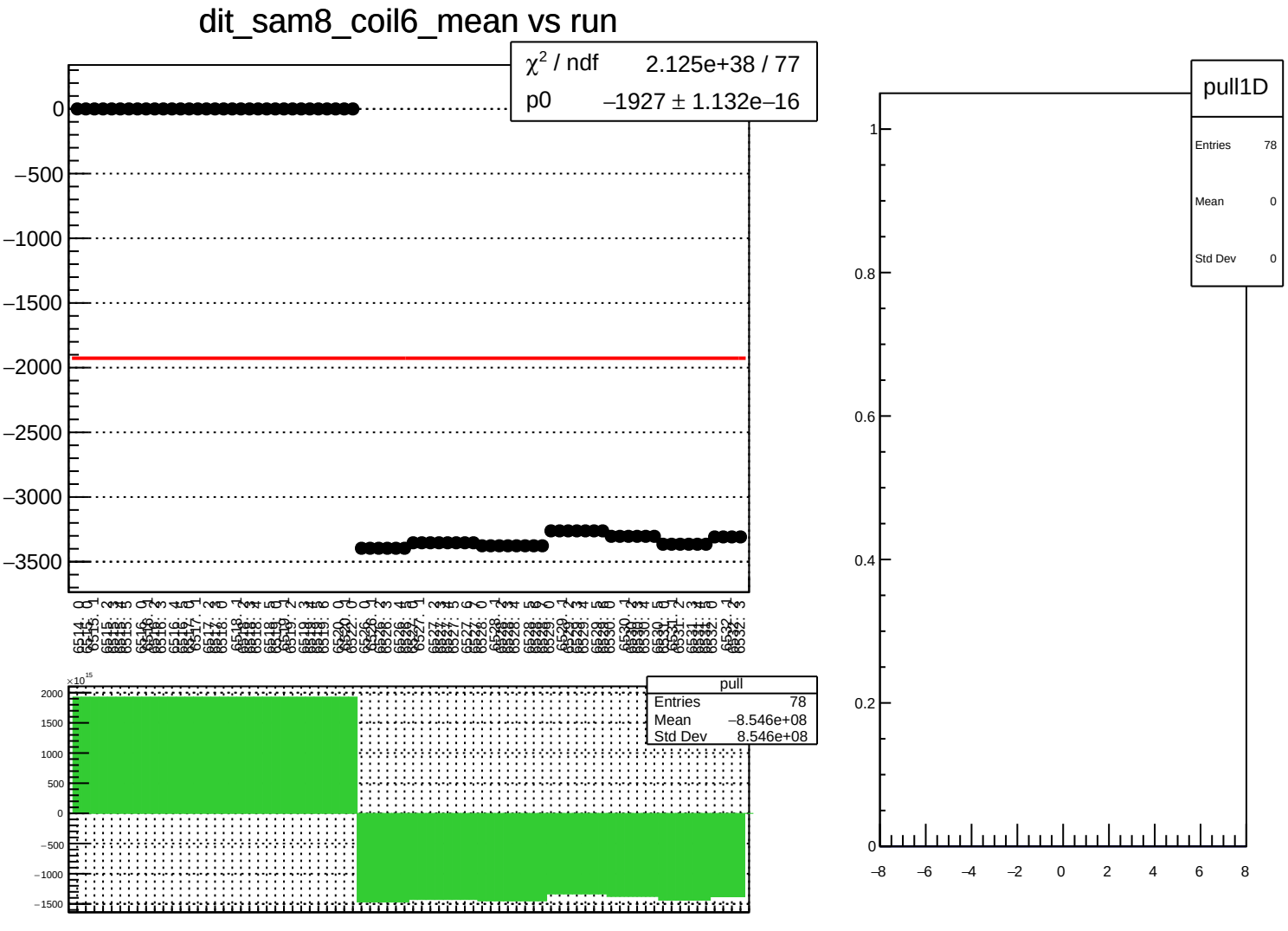

pull1D
Entries 78
Mean 0
Std Dev 0

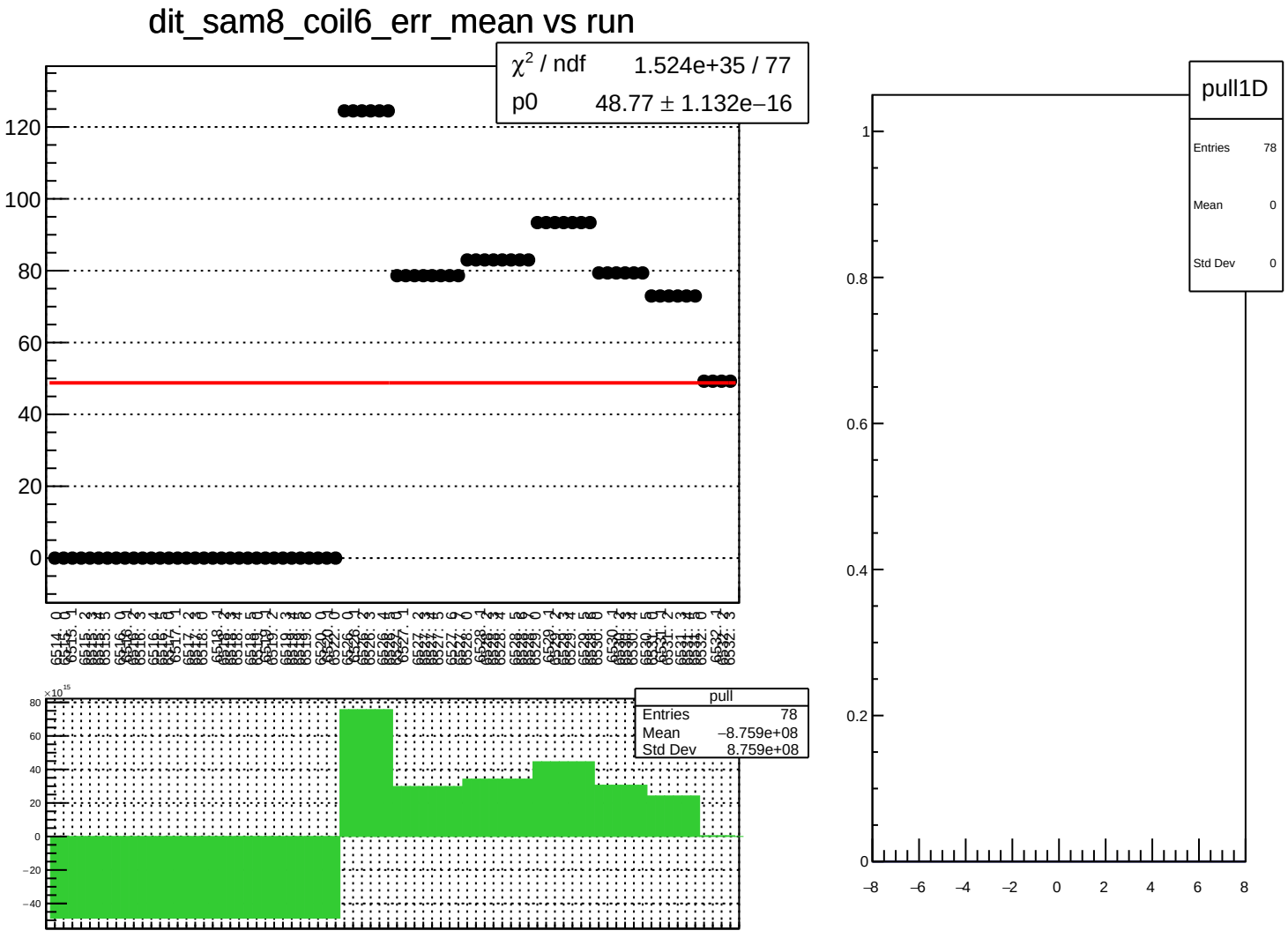

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.681e+35 / 77
p0 51.9 ± 1.132e−16
pull
Entries 78
Mean 1.049e+09
Std Dev 1.049e+09

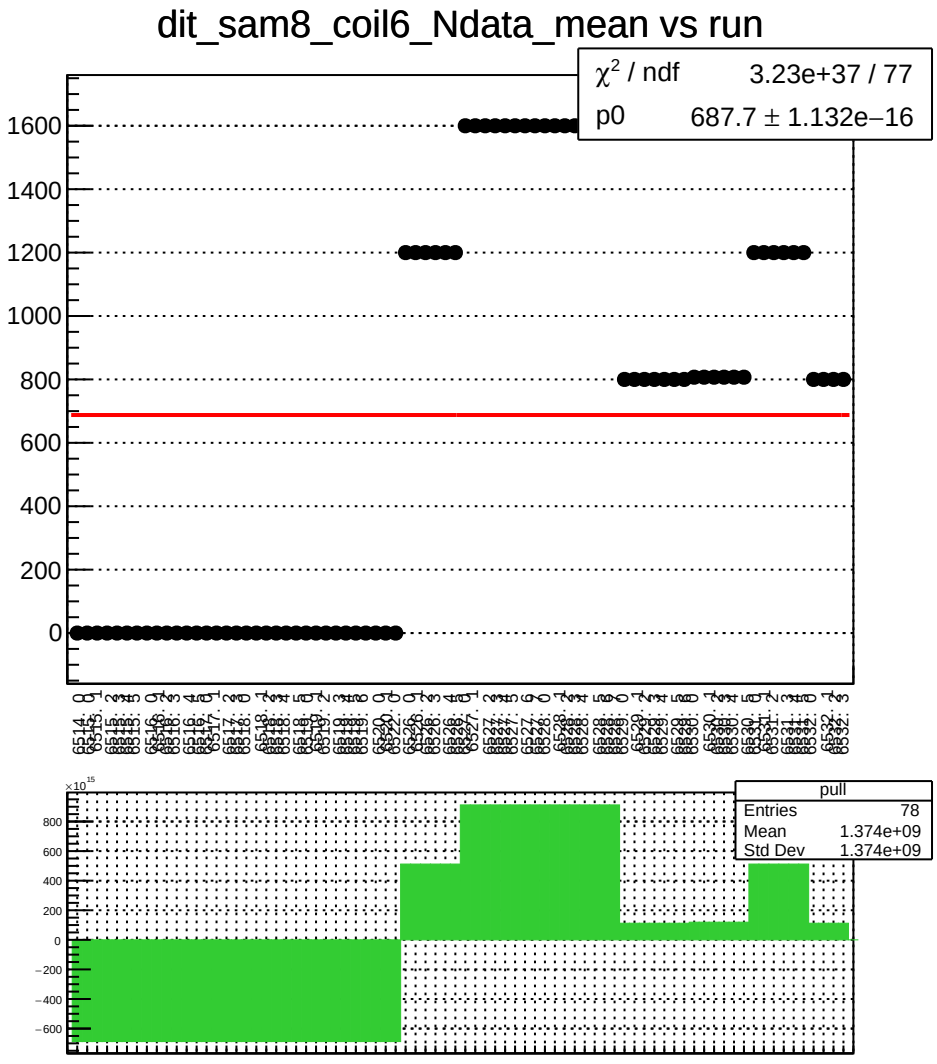

pull1D
Entries 78
Mean 0
Std Dev 0

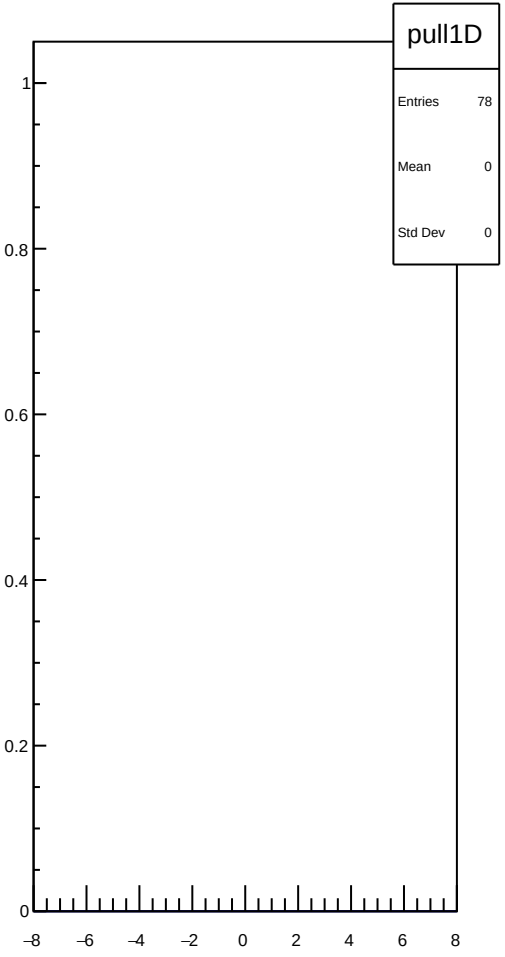

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

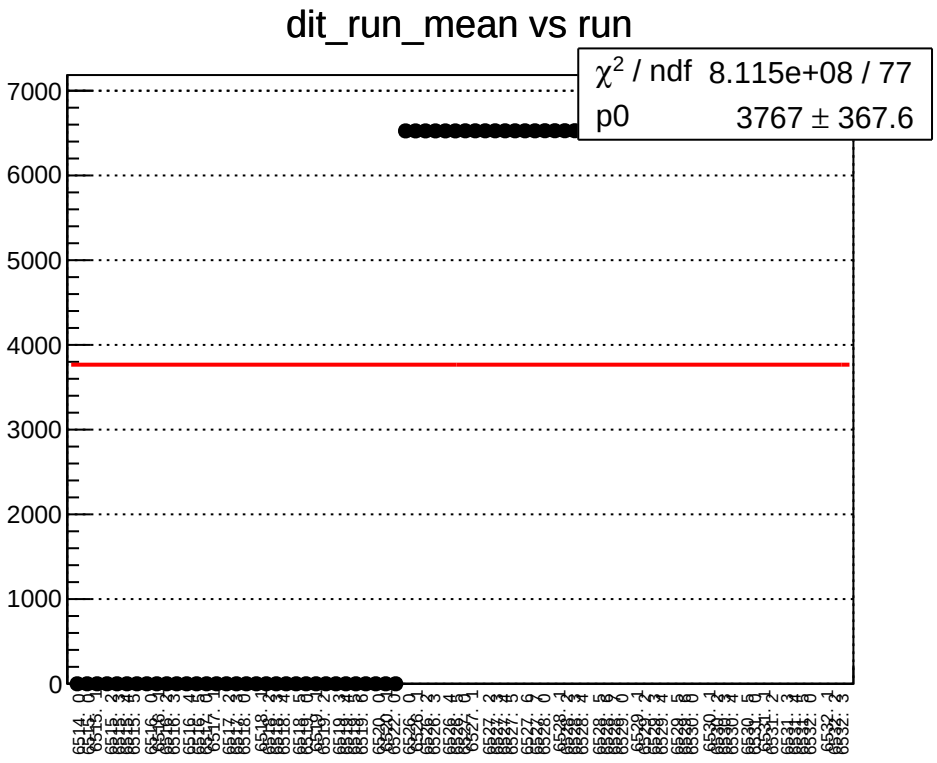

pull1D
Entries 78
Mean 0
Std Dev 0

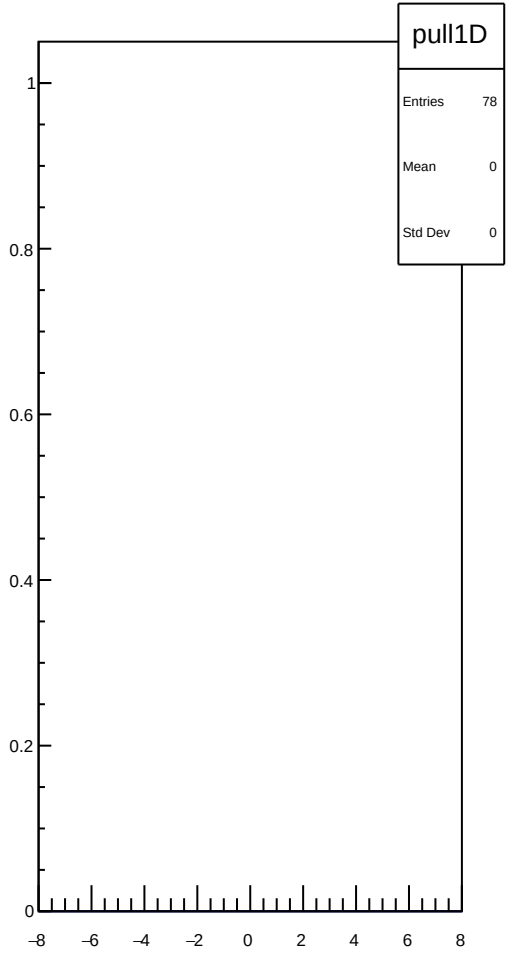

dit_sam8_coil6_mean vs run
χ² / ndf 2.125e+38 / 77
p0 –1927 ± 1.132e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
pull
Entries 78
Mean –8.546e+08
Std Dev 8.546e+08
×10¹⁵
2000
1500
1000
500
0
–500
–1000
–1500
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

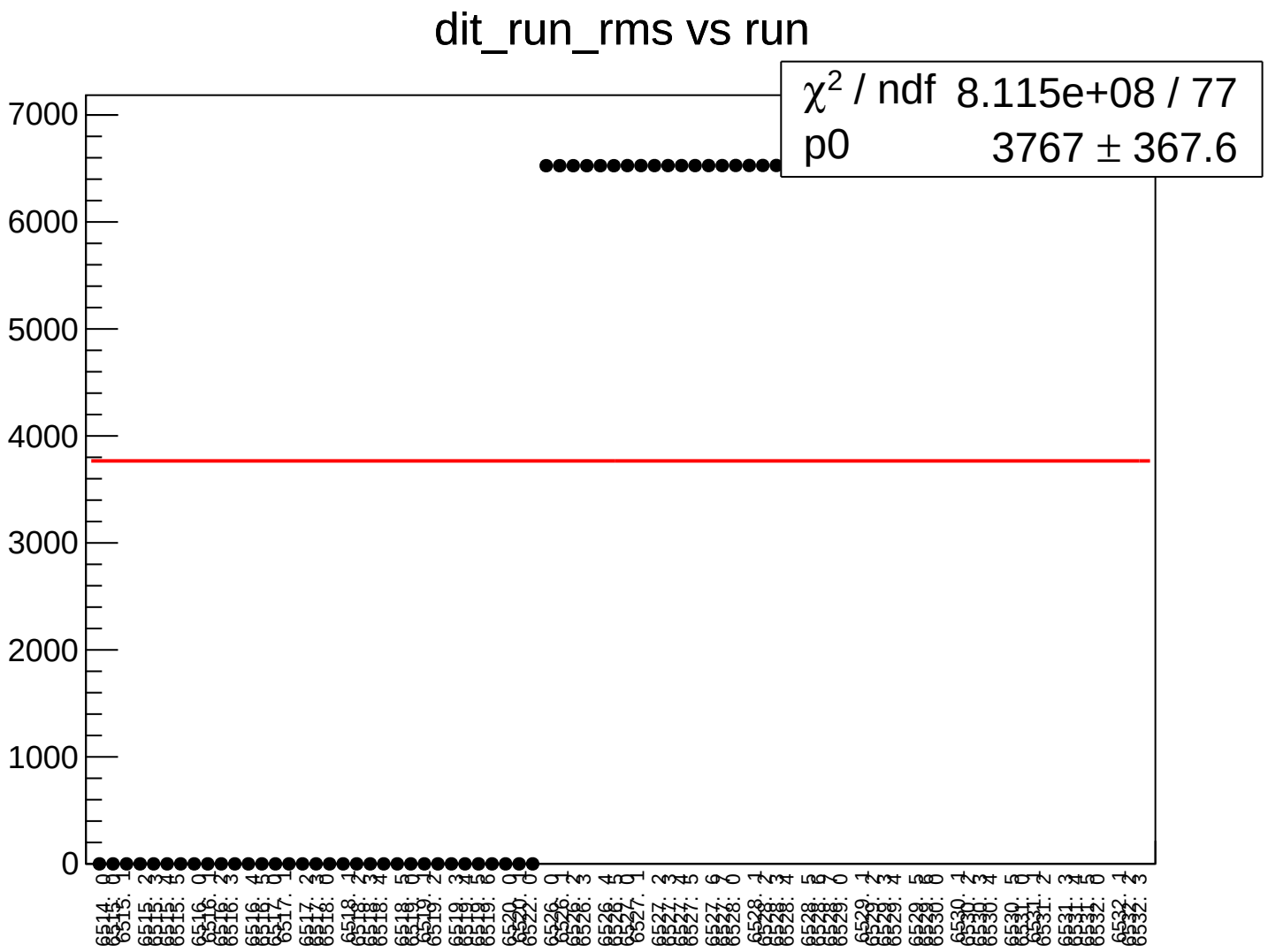

dit_sam8_coil6_err_mean vs run
χ² / ndf 1.524e+35 / 77
p0 48.77 ± 1.132e−16
pull
Entries 78
Mean −8.759e+08
Std Dev 8.759e+08
pull1D
Entries 78
Mean 0
Std Dev 0

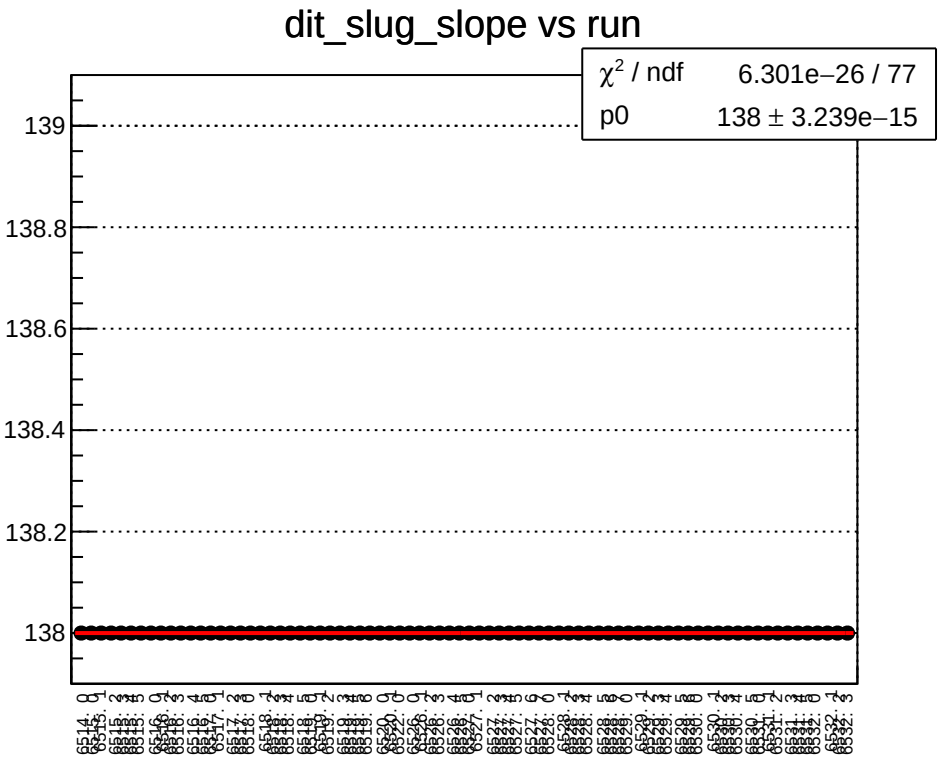

dit_sam8_coil6_Ndata_mean vs run
χ^2 / ndf 3.23e+37 / 77
p0 687.7 ± 1.132e−16
pull
Entries 78
Mean 1.374e+09
Std Dev 1.374e+09

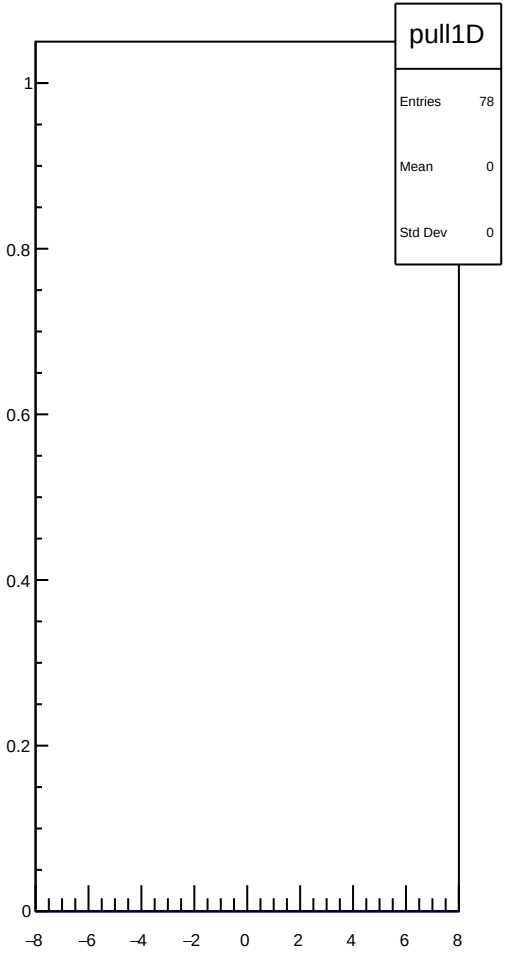

pull1D
Entries 78
Mean 0
Std Dev 0

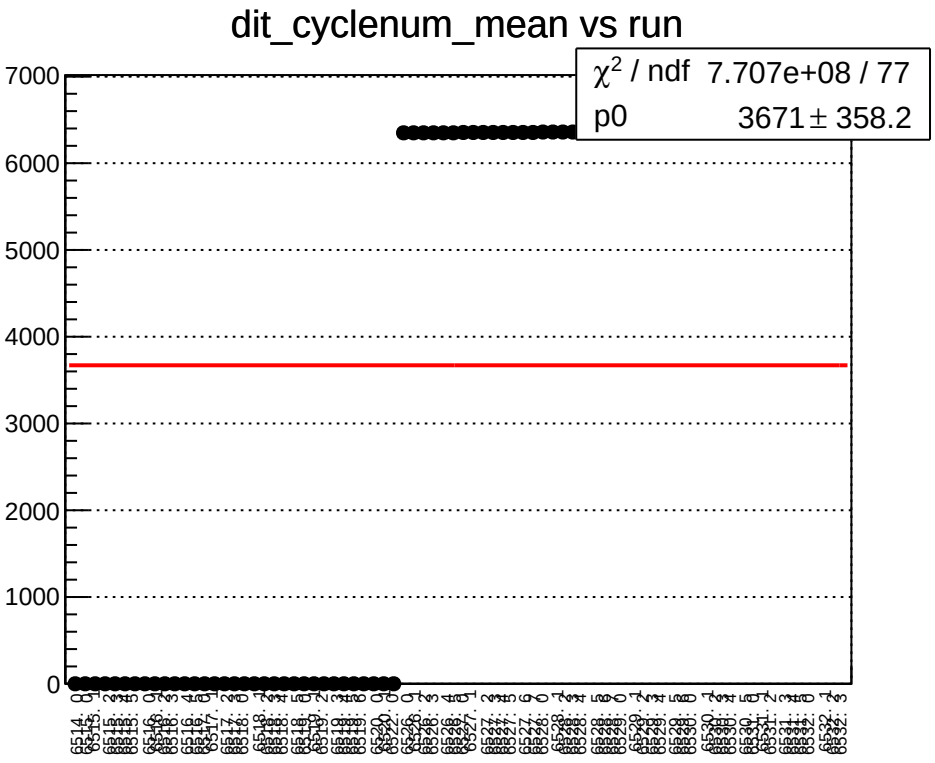

dit_run_mean vs run
χ^2 / ndf 8.115e+08 / 77
p0 3767 ± 367.6
7000
6000
5000
4000
3000
2000
1000
0

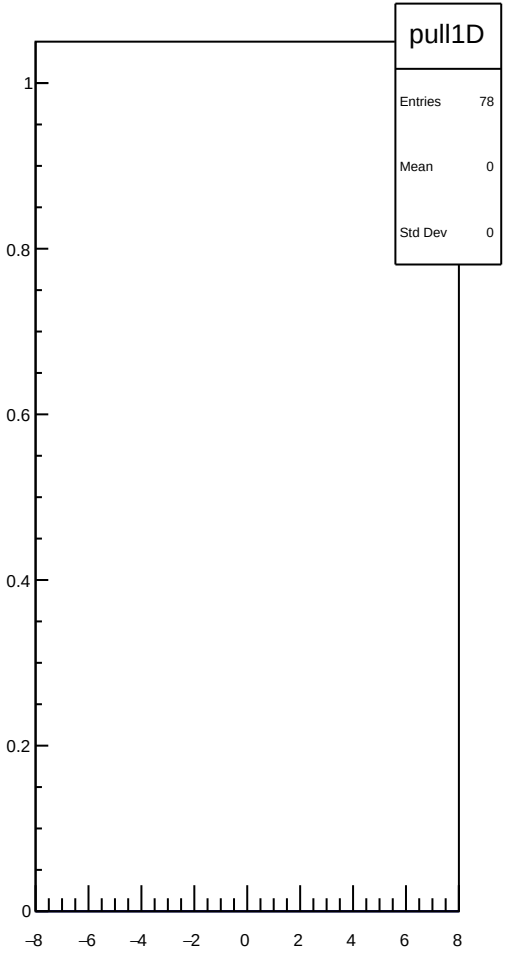

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

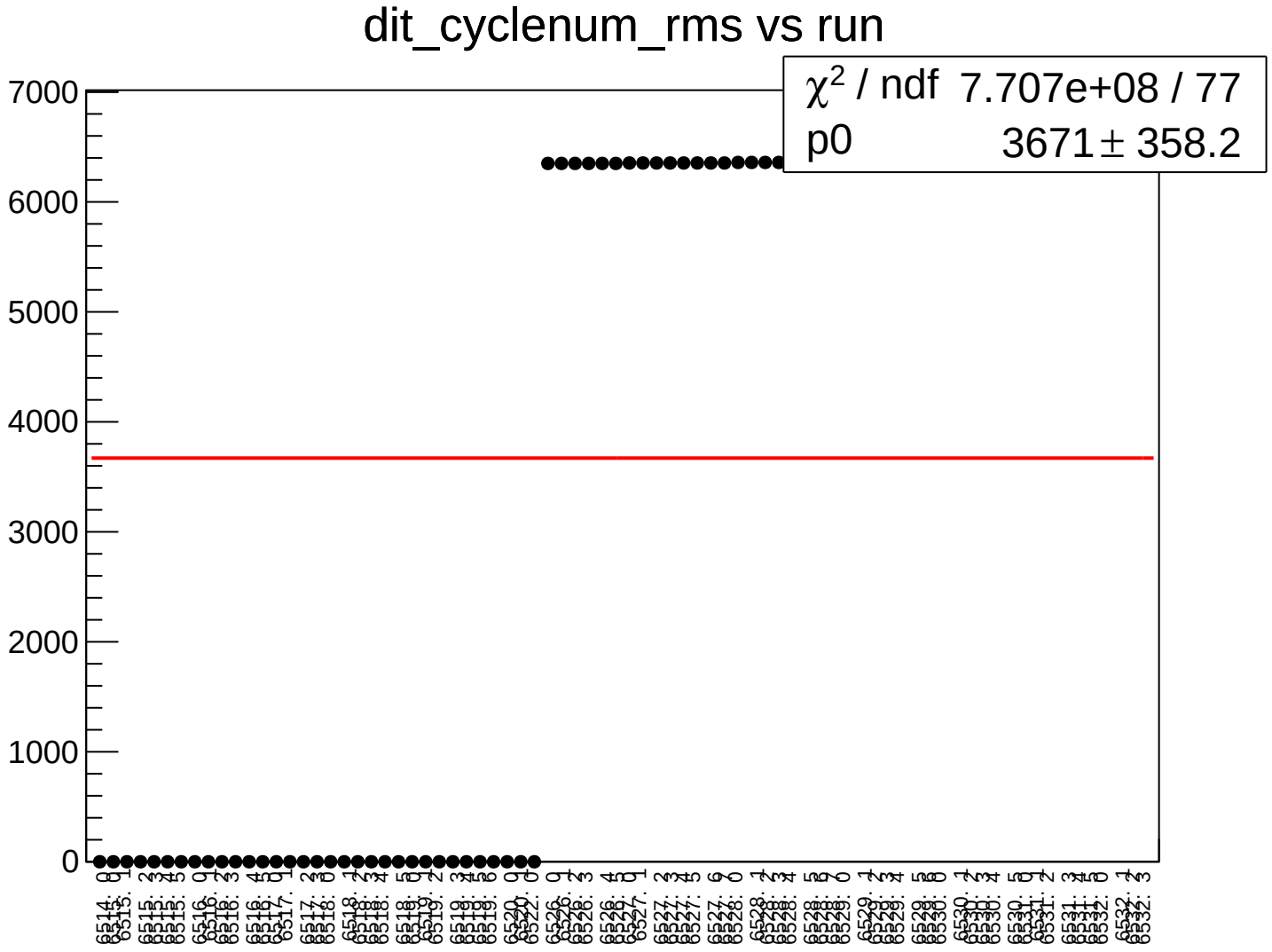

dit_run_rms vs run
χ² / ndf 8.115e+08 / 77
p0 3767 ± 367.6
7000
6000
5000
4000
3000
2000
1000
0

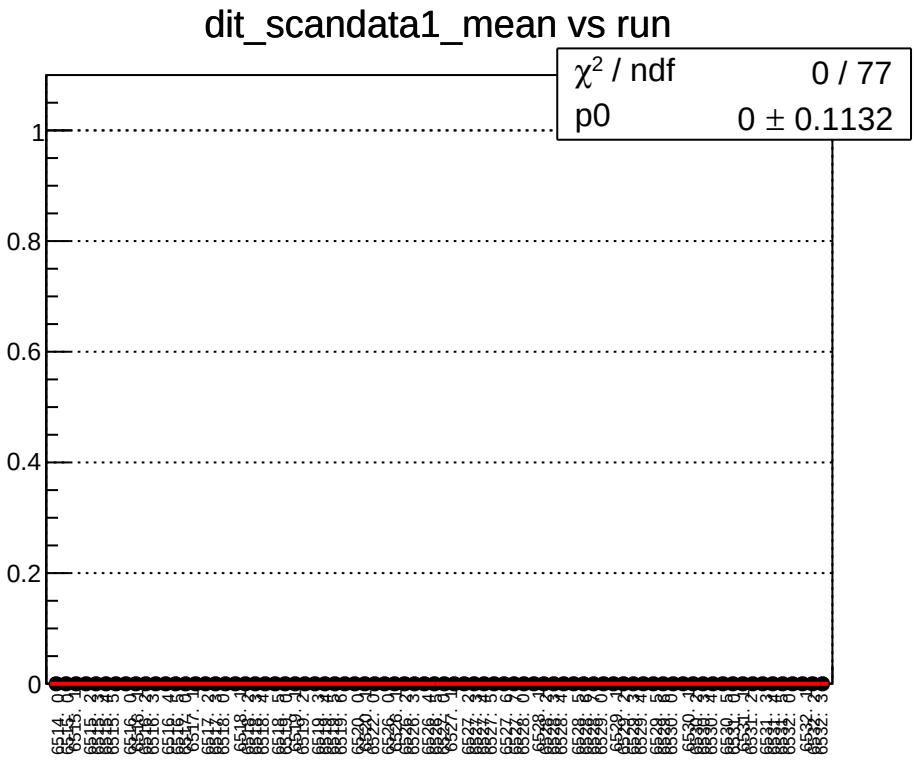

dit_slug_slope vs run
χ^2 / ndf 6.301e−26 / 77
p0 138 ± 3.239e−15
139
138.8
138.6
138.4
138.2
138

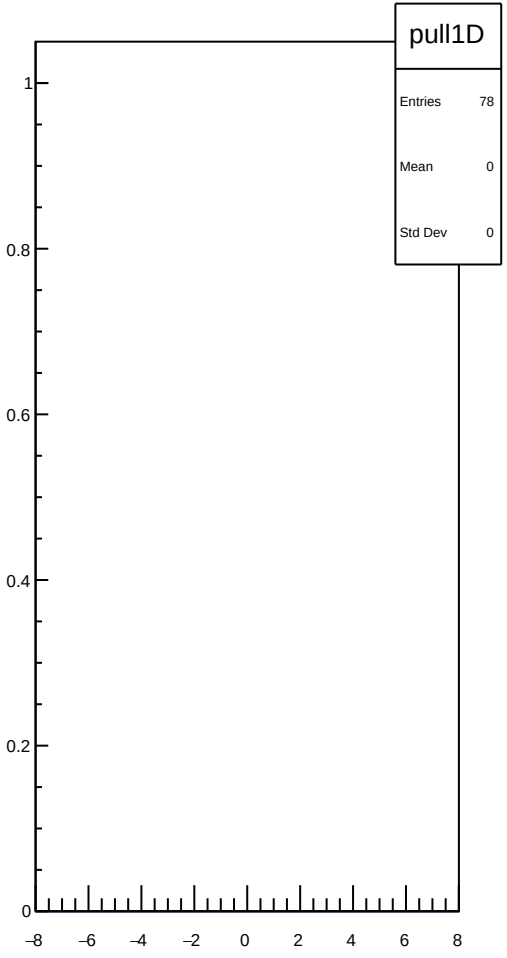

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 7.707e+08 / 77
p0 3671 ± 358.2
7000
6000
5000
4000
3000
2000
1000
0

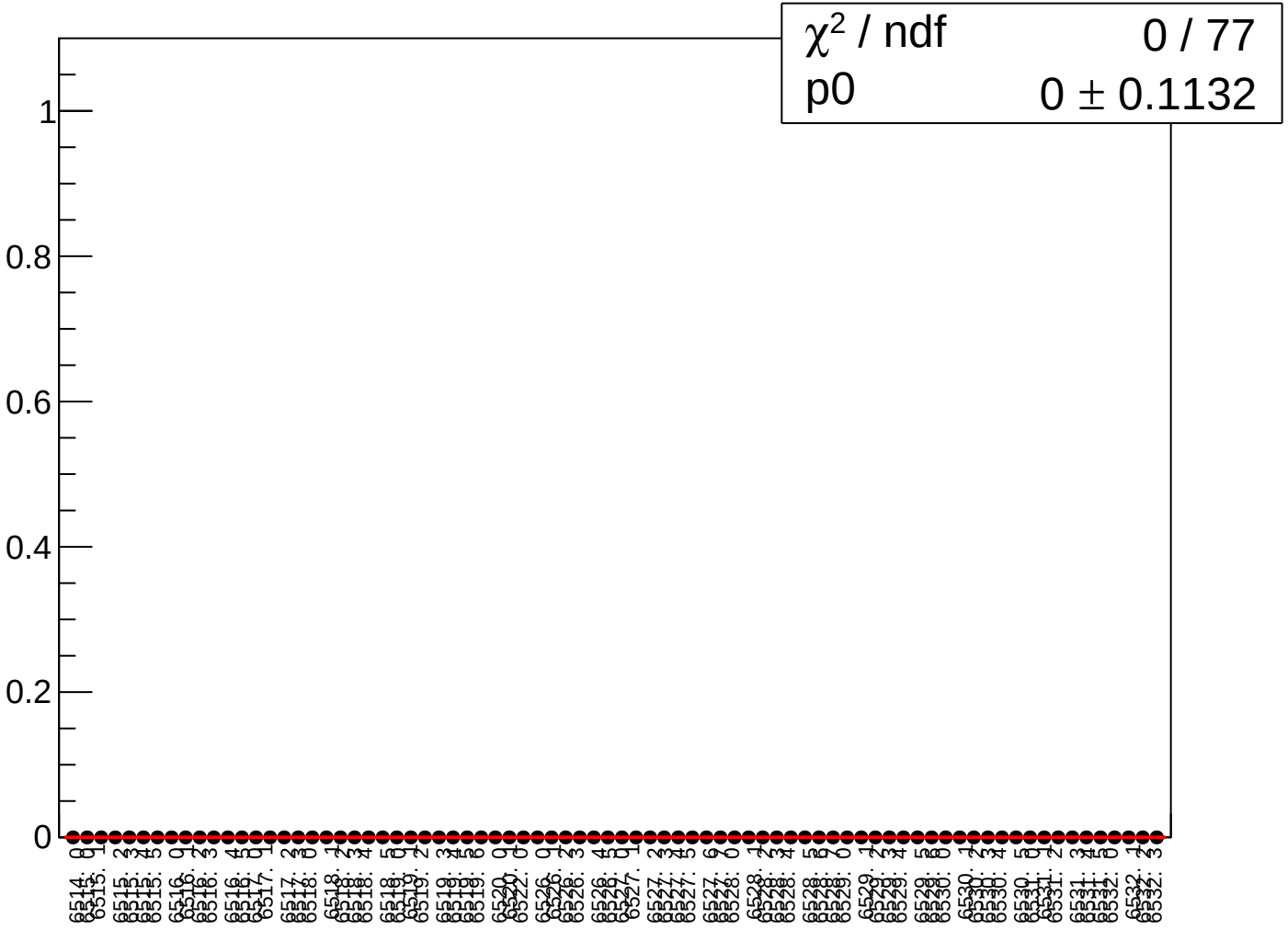

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

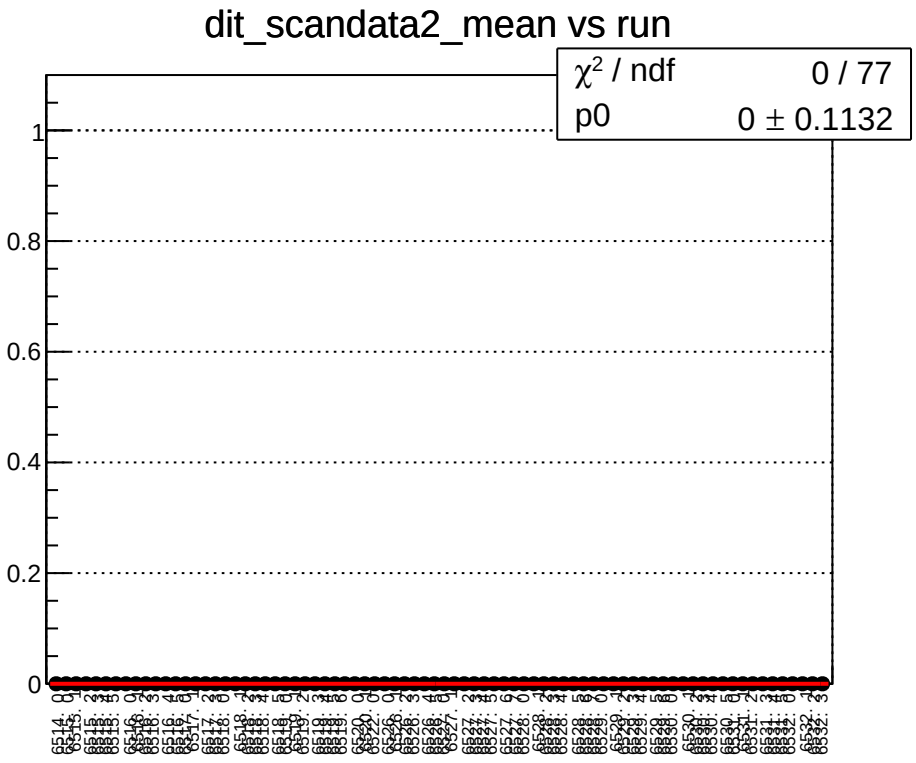

dit_cyclenum_rms vs run
χ^2 / ndf 7.707e+08 / 77
p0 3671 ± 358.2
7000
6000
5000
4000
3000
2000
1000
0

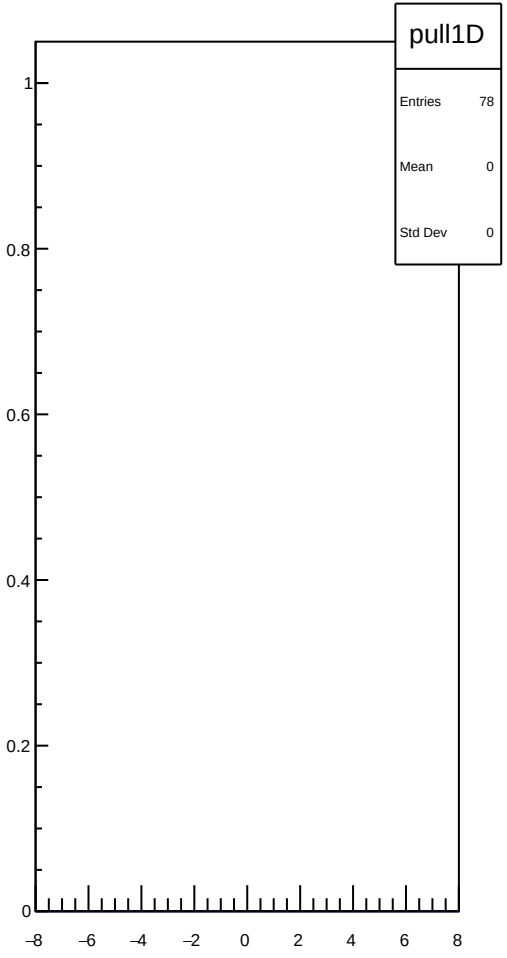

dit_scandata1_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0


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

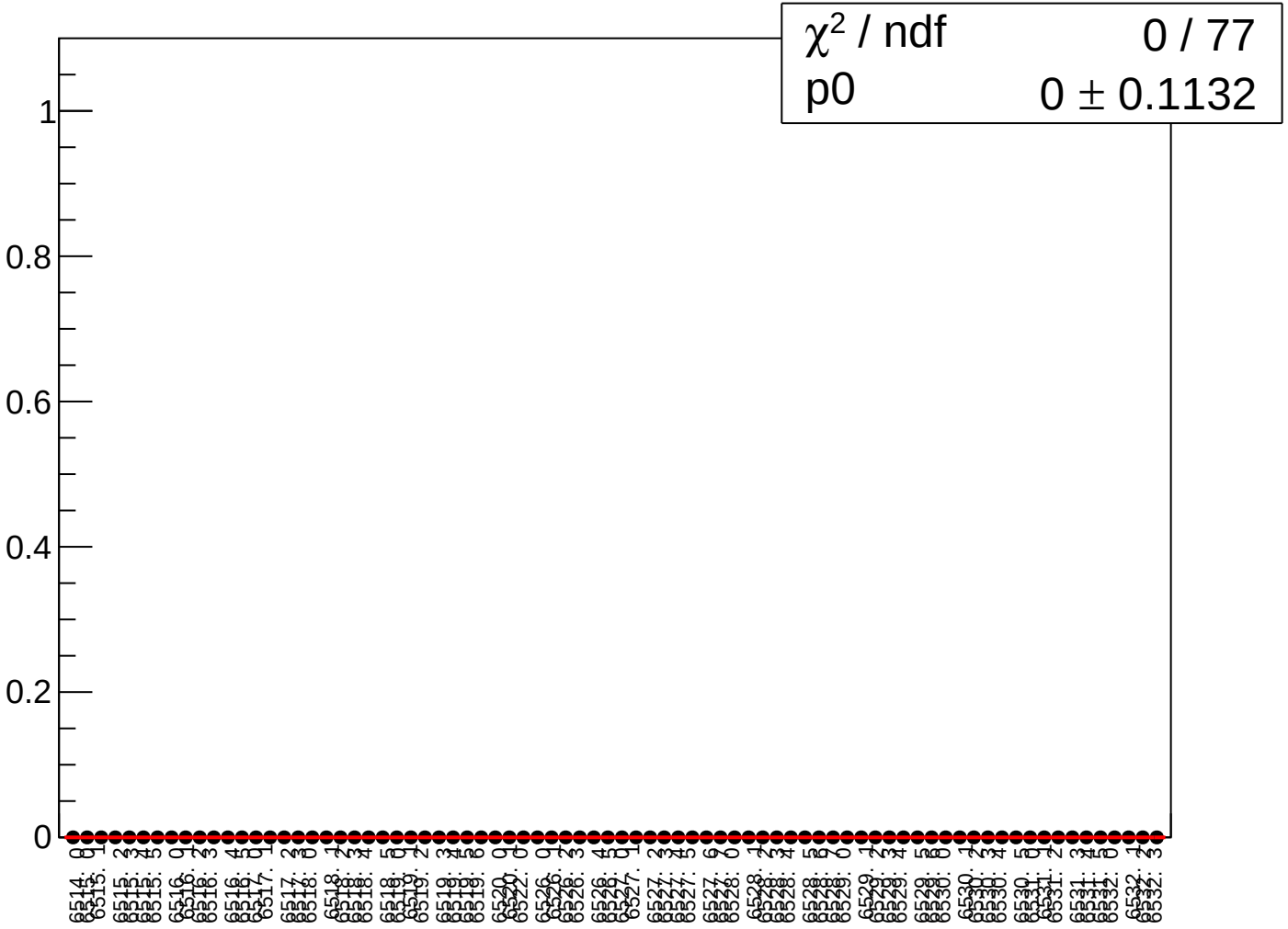
dit_scandata1_rms vs run

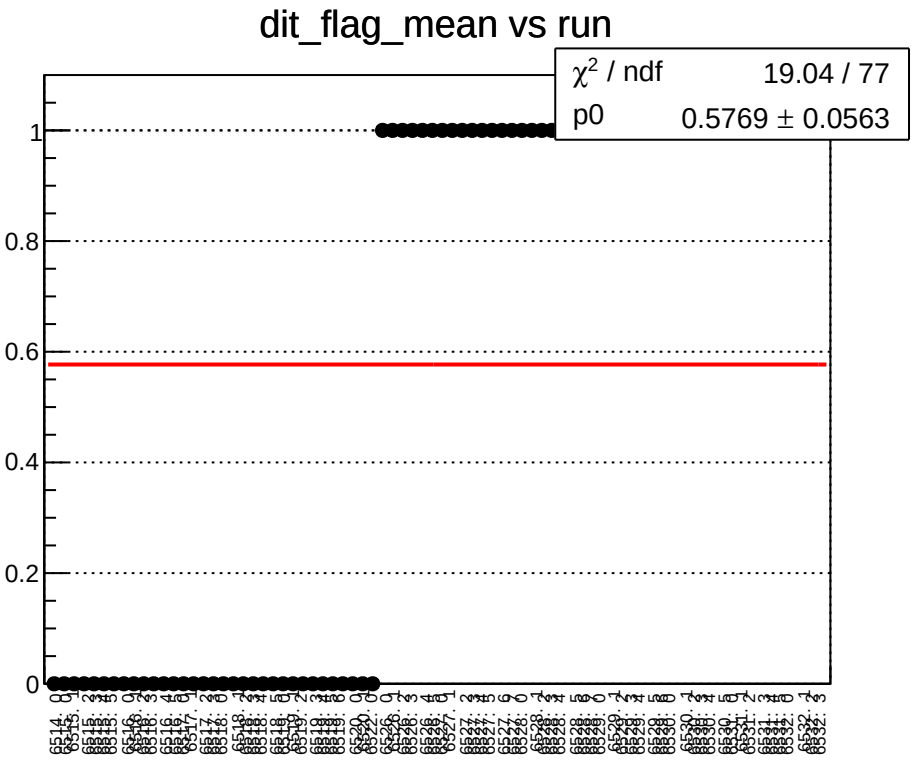


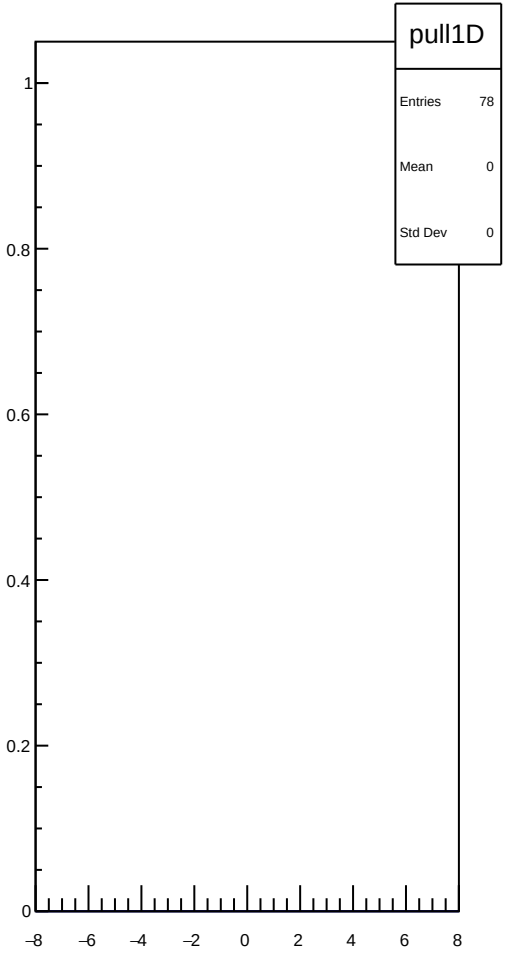

dit_scandata2_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

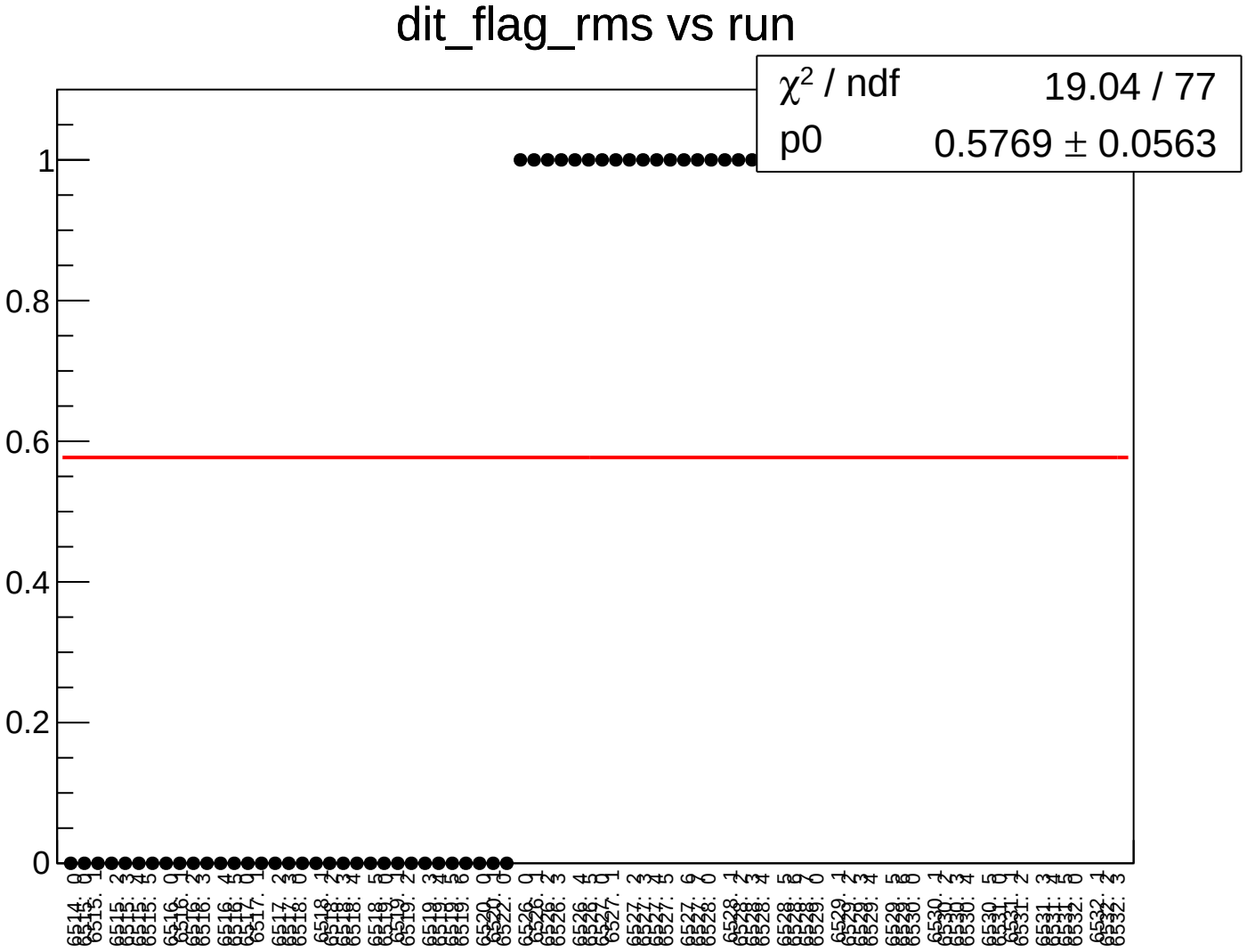

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

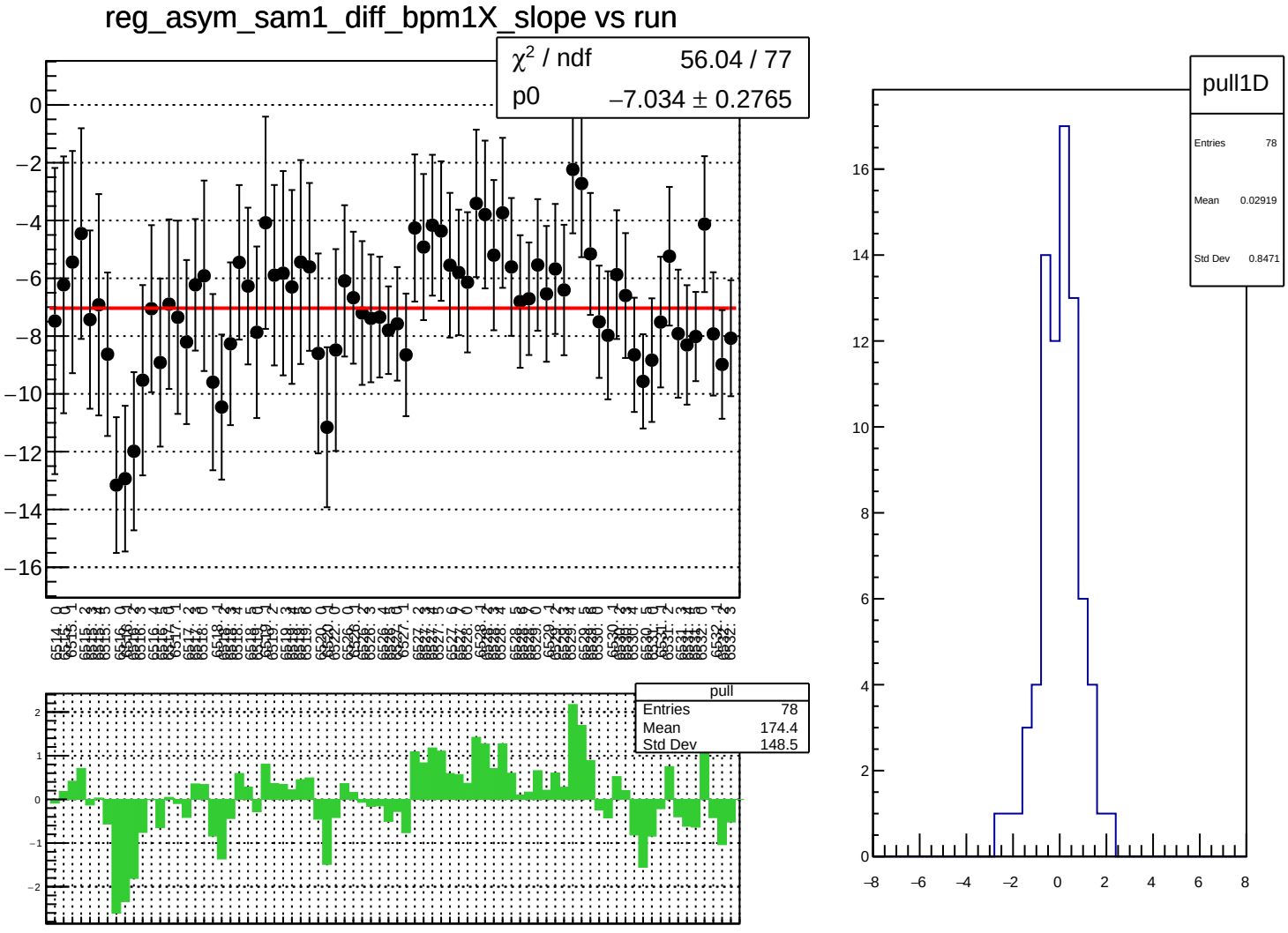
dit_scandata2_rms vs run

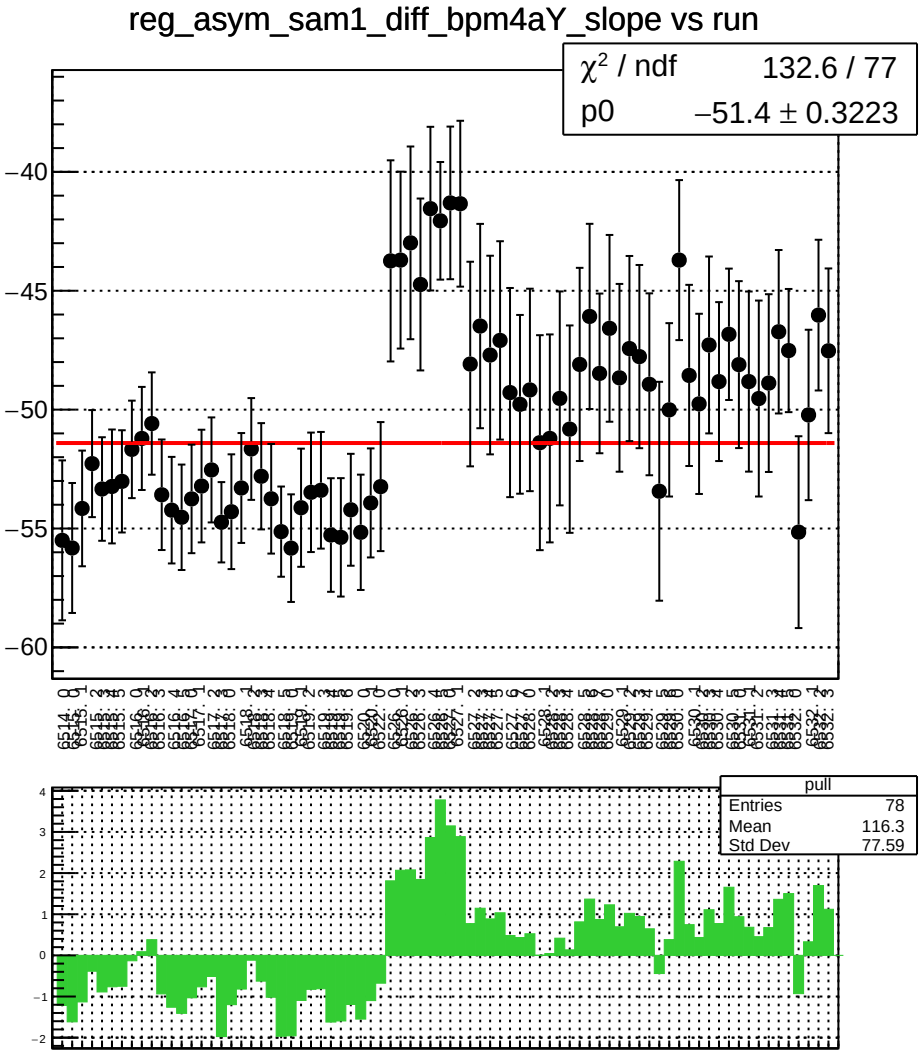


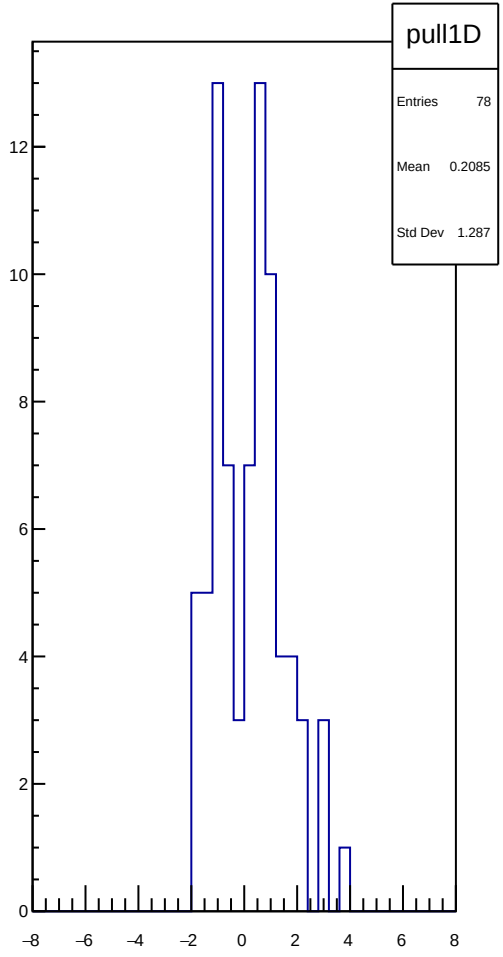

dit_flag_mean vs run
χ^2 / ndf 19.04 / 77
p0 0.5769 ± 0.0563
1
0.8
0.6
0.4
0.2
0

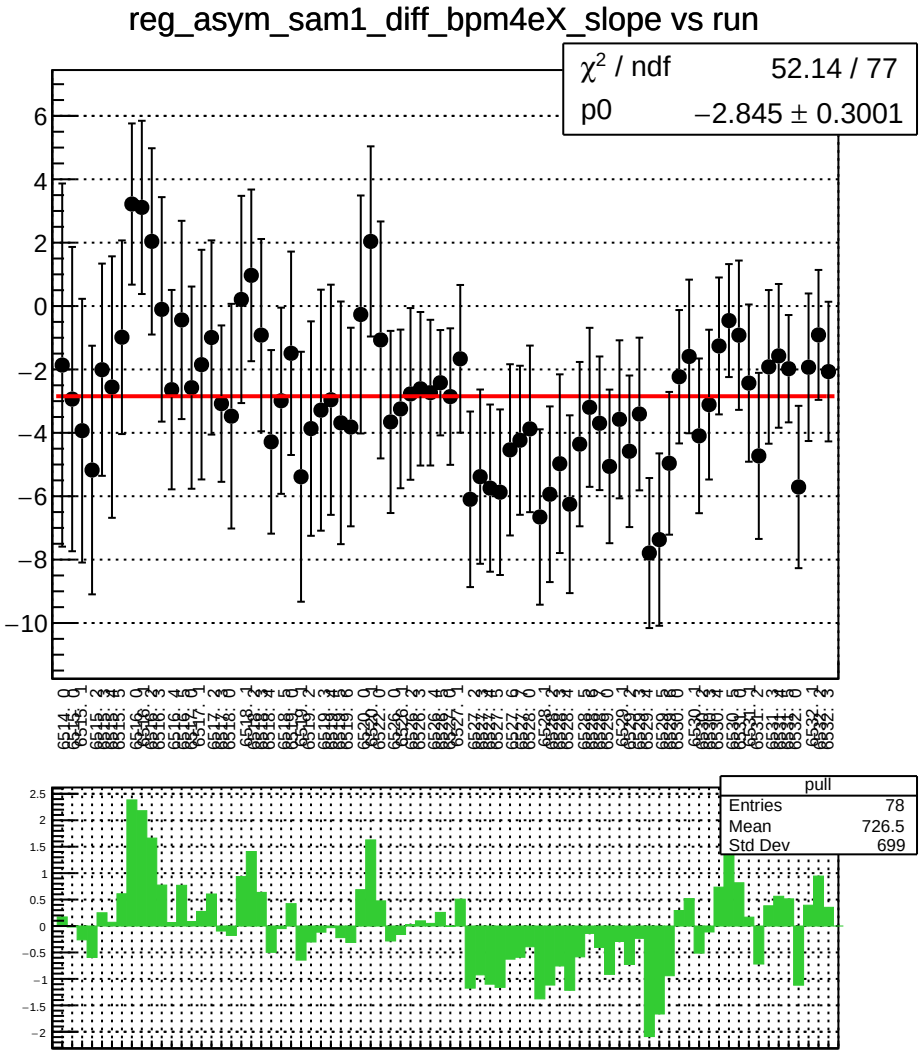

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

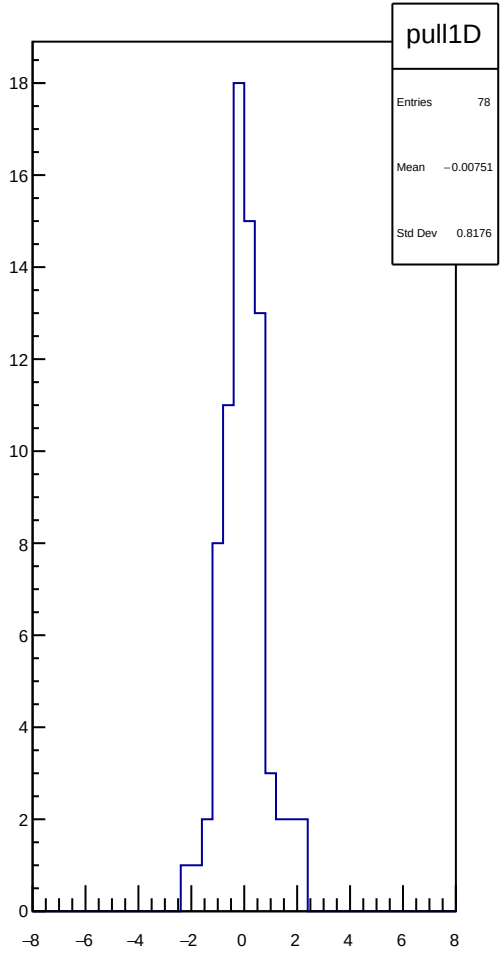

dit_flag_rms vs run
χ2 / ndf 19.04 / 77
p0 0.5769 ± 0.0563
1
0.8
0.6
0.4
0.2
0

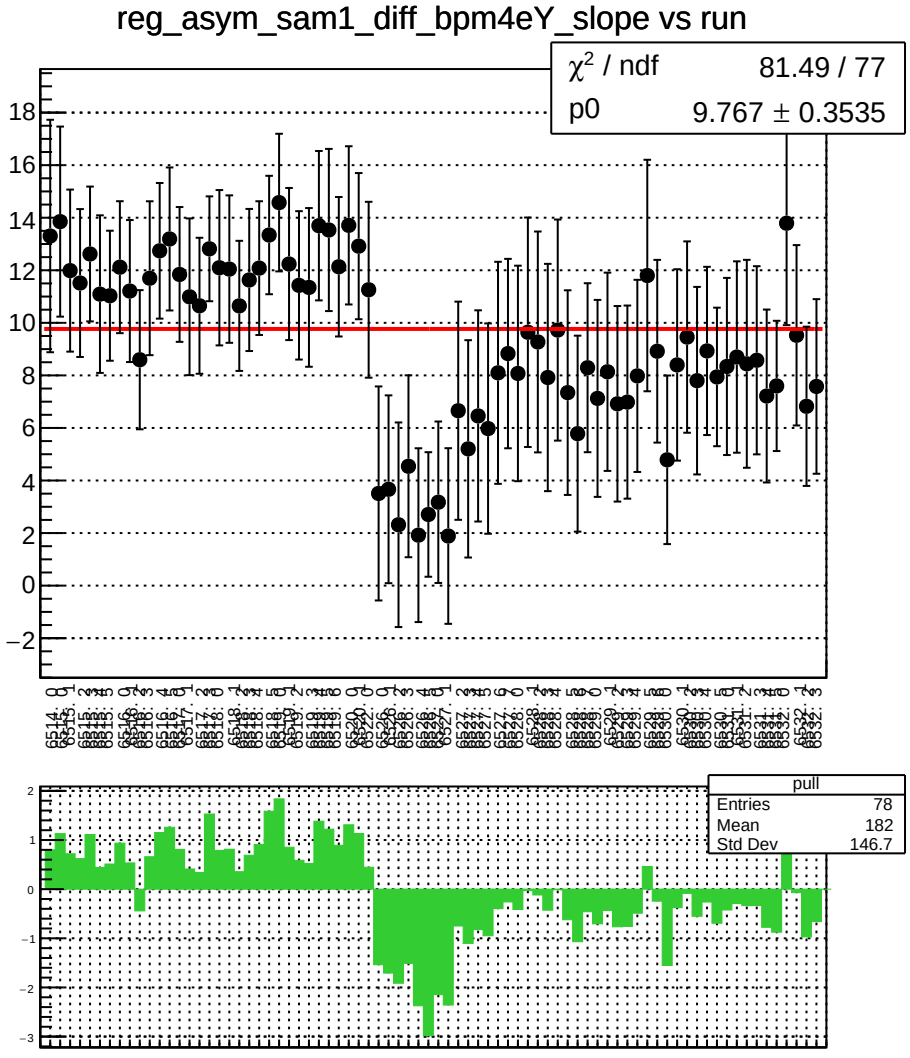

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 56.04 / 77
p0 −7.034 ± 0.2765
pull
Entries 78
Mean 174.4
Std Dev 148.5
pull1D
Entries 78
Mean 0.02919
Std Dev 0.8471

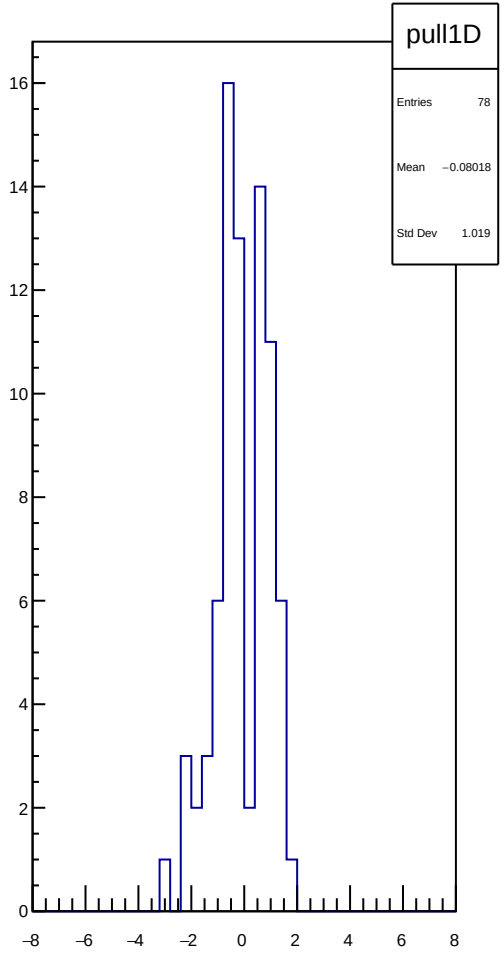

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 132.6 / 77
p0 −51.4 ± 0.3223
pull
Entries 78
Mean 116.3
Std Dev 77.59

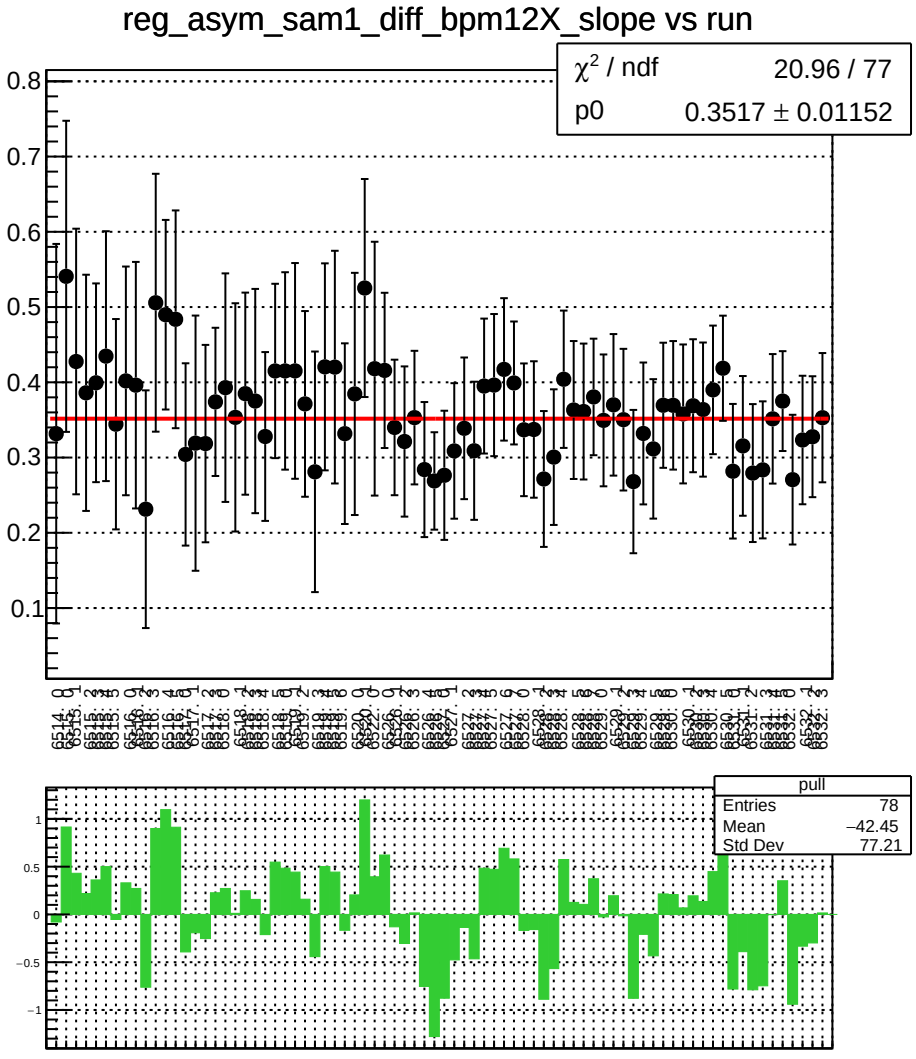

pull1D
Entries 78
Mean 0.2085
Std Dev 1.287

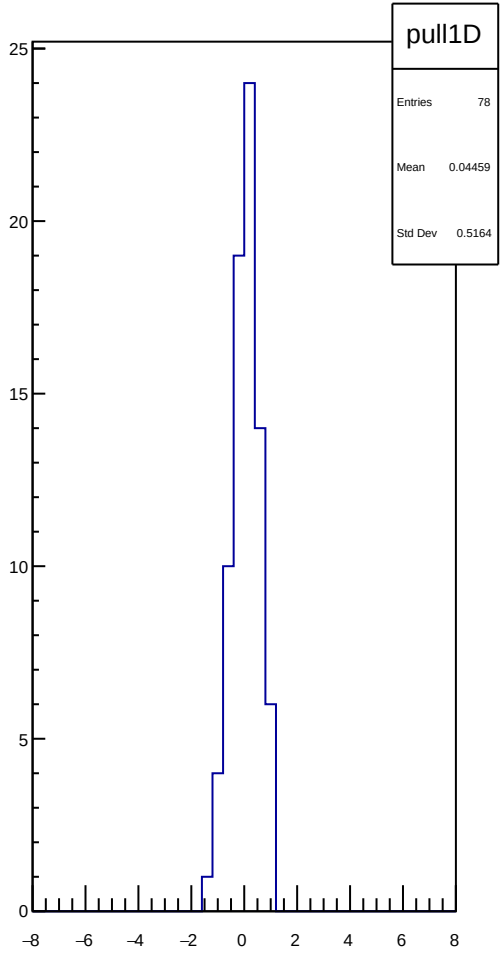

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 52.14 / 77
p0 −2.845 ± 0.3001
pull
Entries 78
Mean 726.5
Std Dev 699

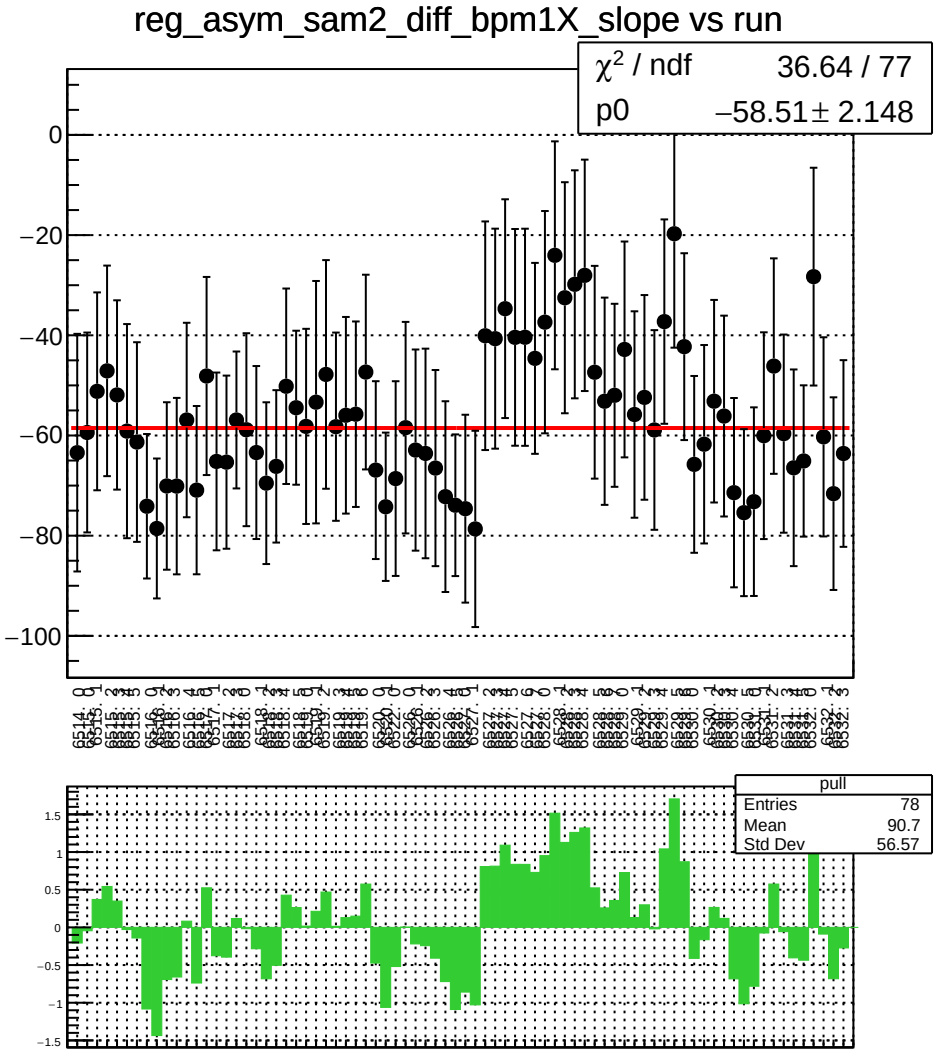

pull1D
Entries 78
Mean −0.00751
Std Dev 0.8176

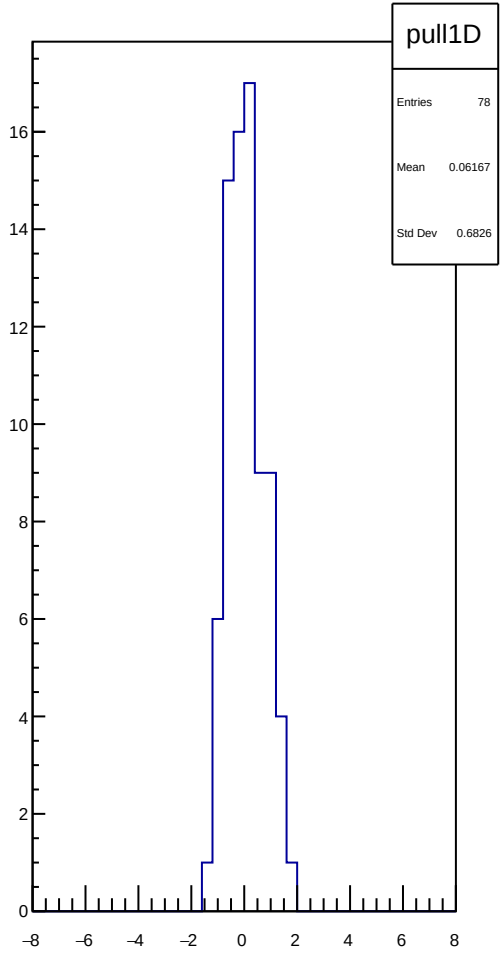

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 81.49 / 77
p0 9.767 ± 0.3535
pull
Entries 78
Mean 182
Std Dev 146.7

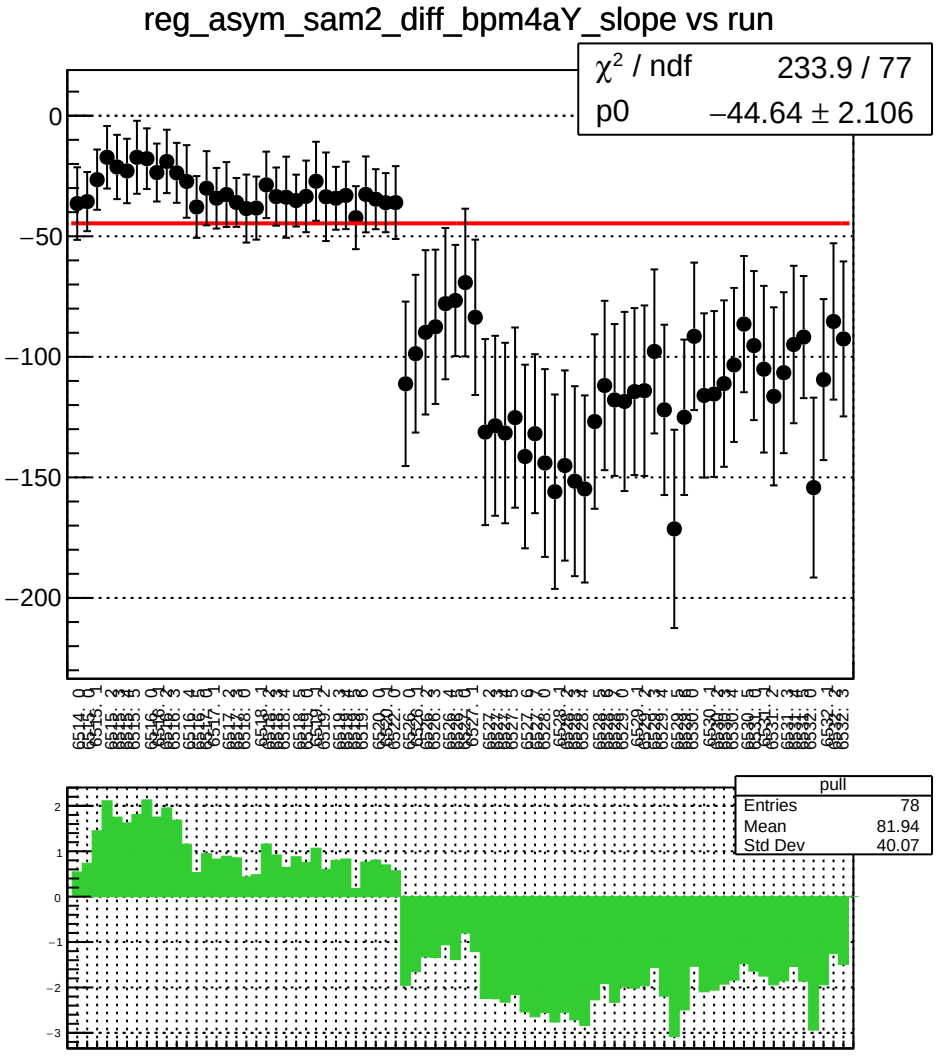

pull1D
Entries 78
Mean −0.08018
Std Dev 1.019

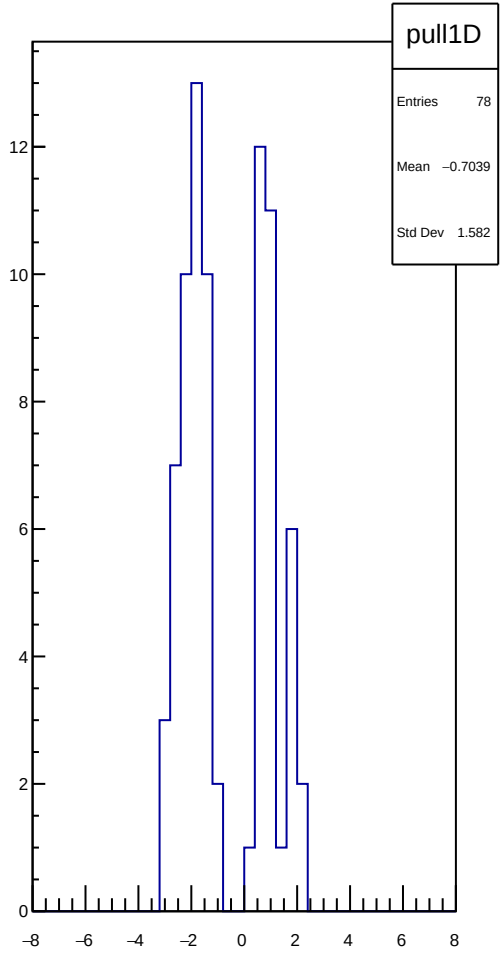

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 20.96 / 77
p0 0.3517 ± 0.01152
pull
Entries 78
Mean −42.45
Std Dev 77.21

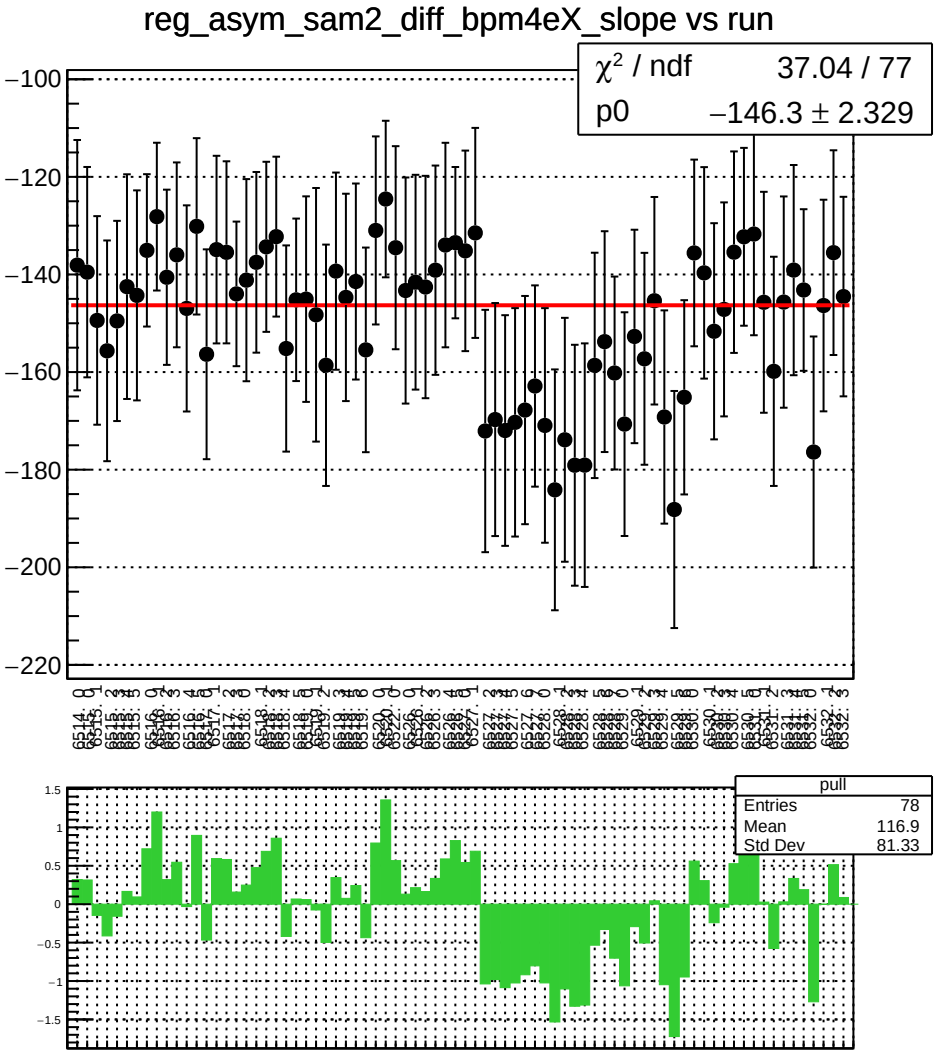

pull1D
Entries 78
Mean 0.04459
Std Dev 0.5164

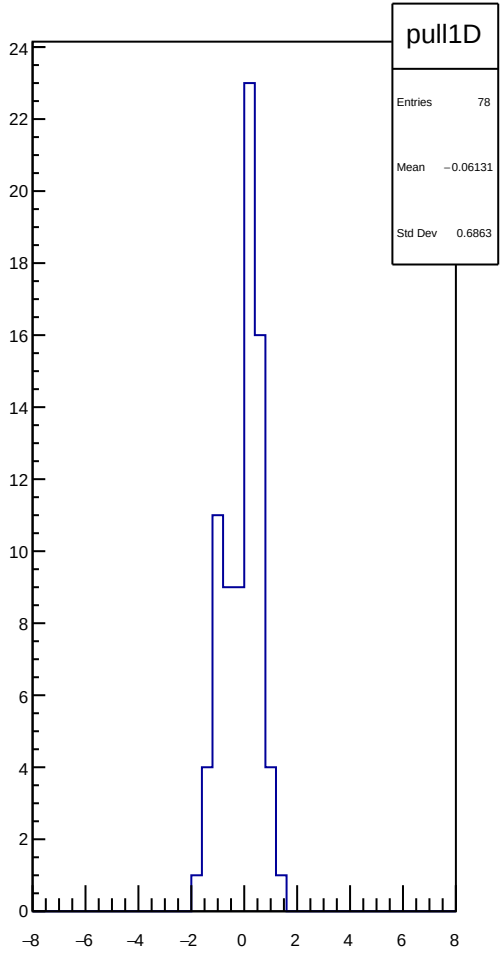

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 36.64 / 77
p0 −58.51 ± 2.148
pull
Entries 78
Mean 90.7
Std Dev 56.57

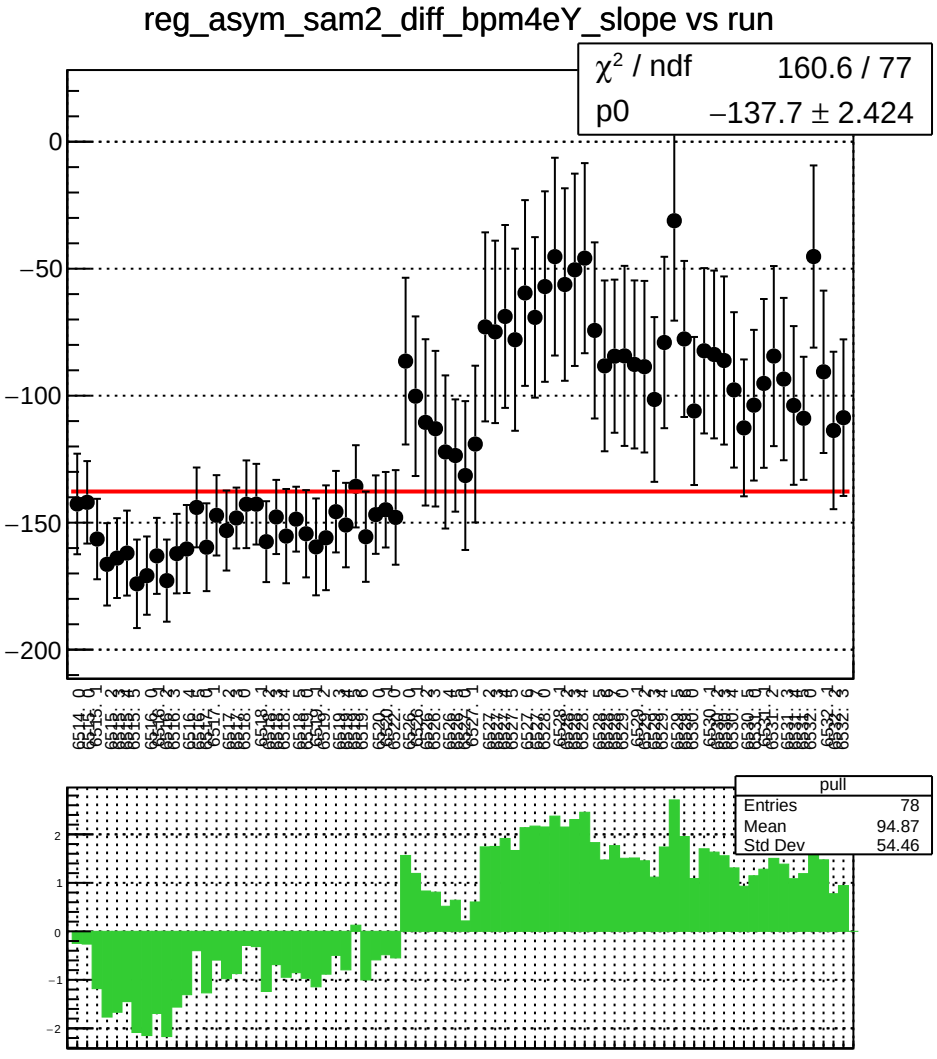

pull1D
Entries 78
Mean 0.06167
Std Dev 0.6826

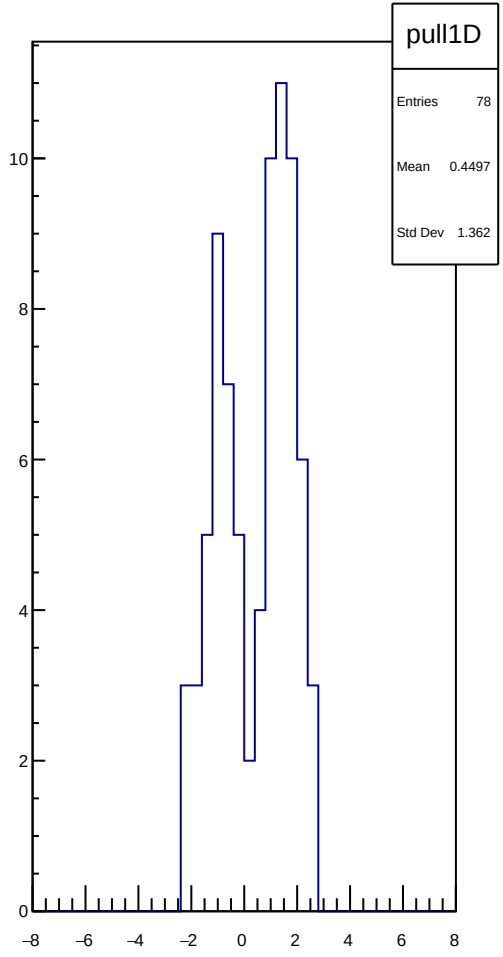

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 233.9 / 77
p0 −44.64 ± 2.106
pull
Entries 78
Mean 81.94
Std Dev 40.07

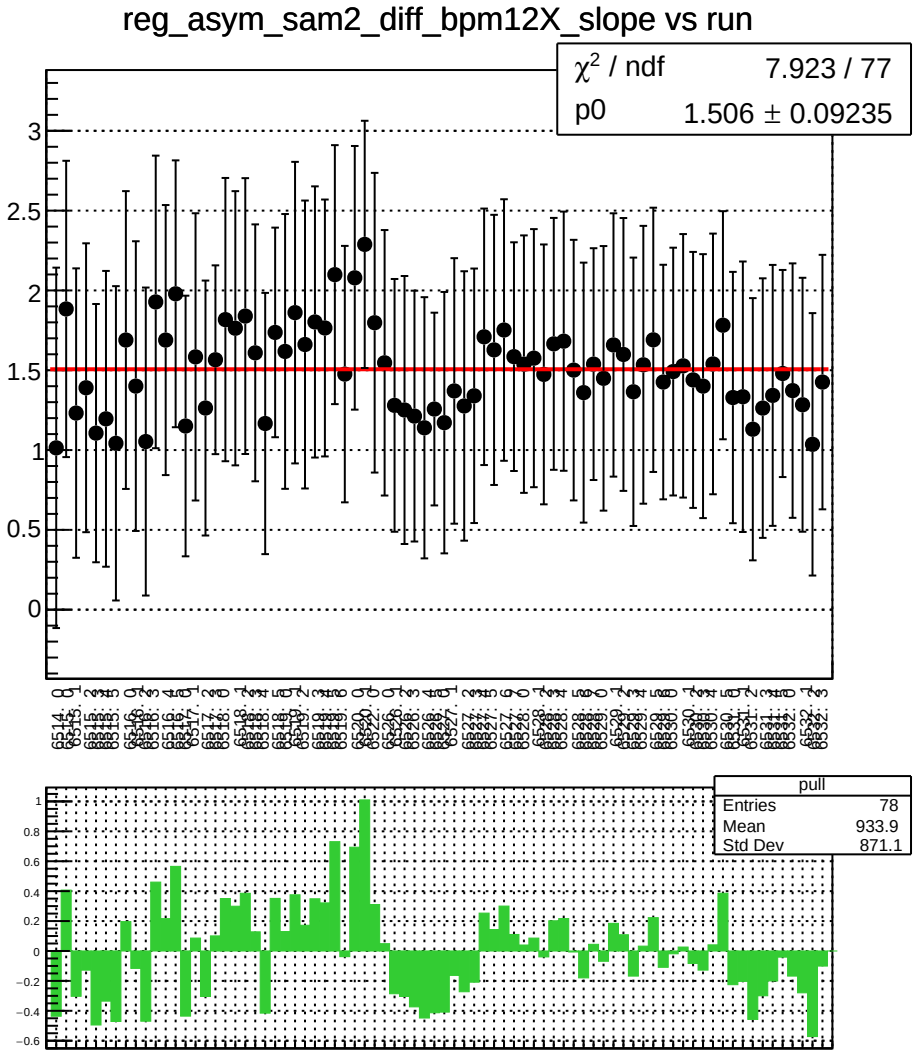

pull1D
Entries 78
Mean −0.7039
Std Dev 1.582

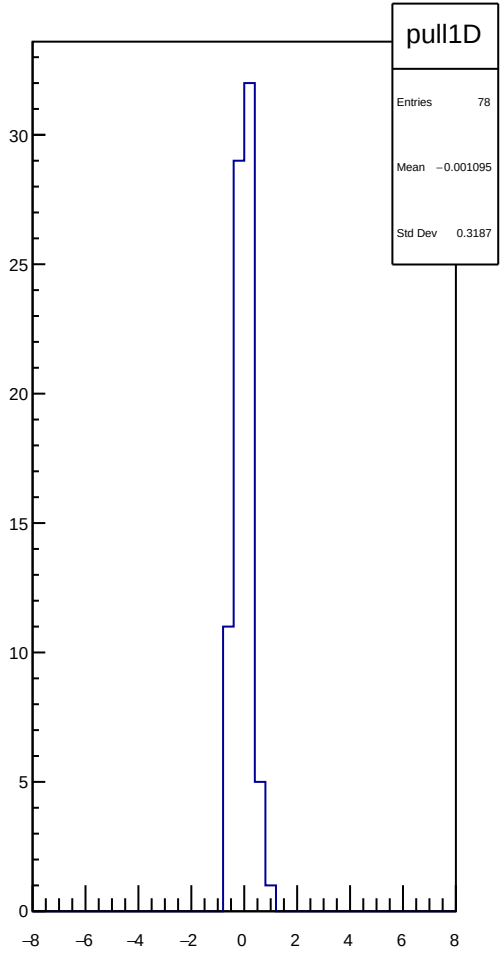

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 37.04 / 77
p0 −146.3 ± 2.329
pull
Entries 78
Mean 116.9
Std Dev 81.33

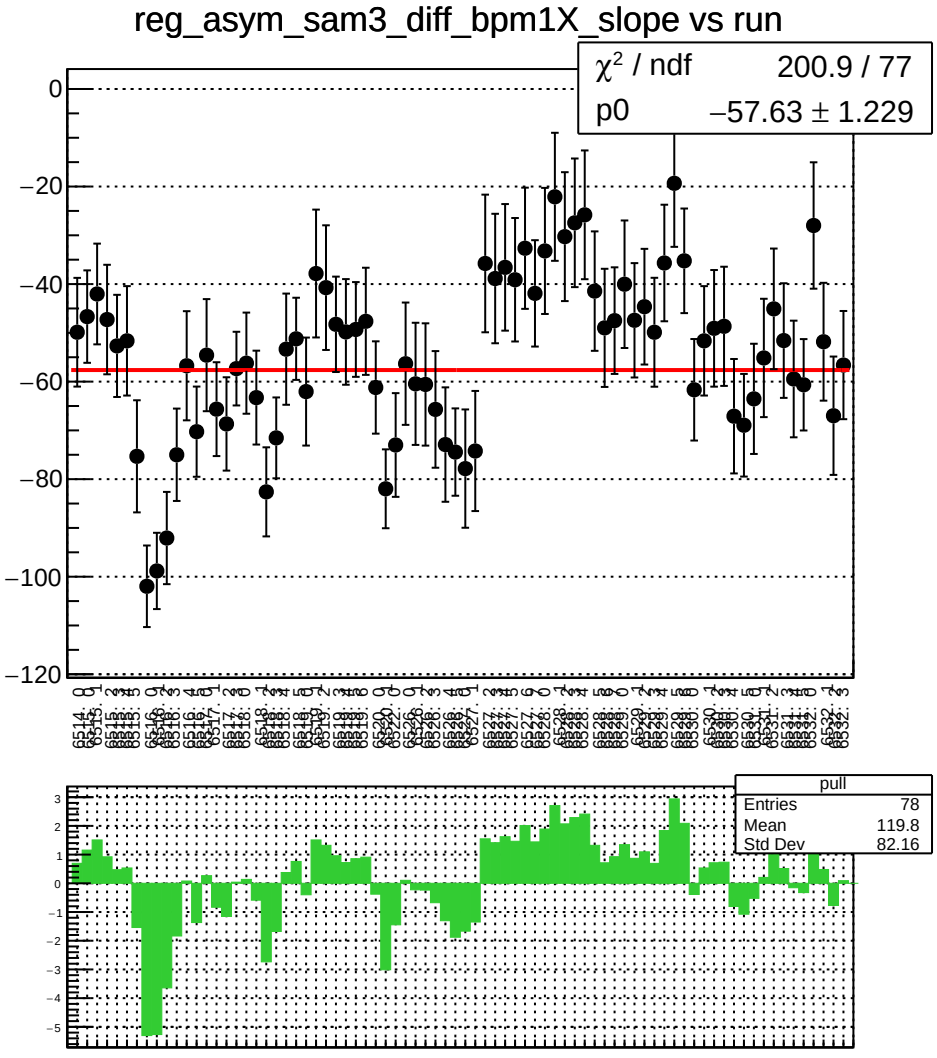

pull1D
Entries 78
Mean −0.06131
Std Dev 0.6863

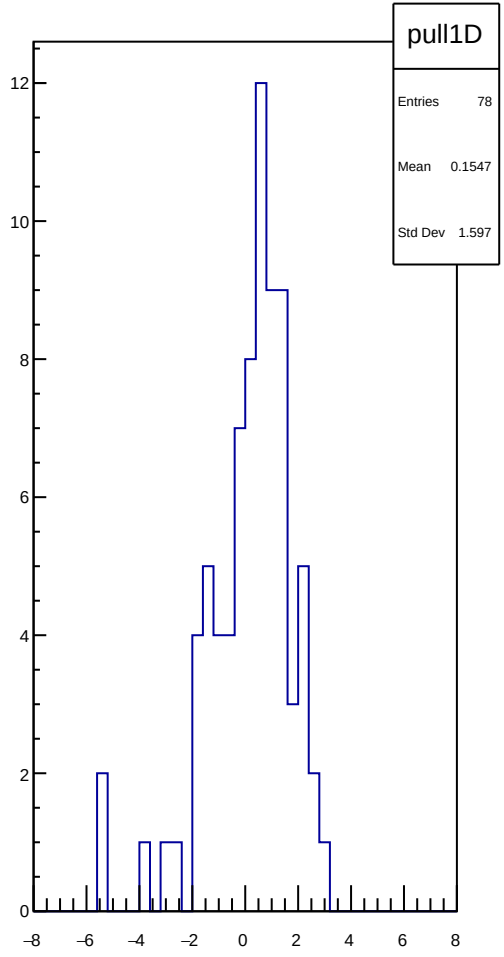

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 160.6 / 77
p0 −137.7 ± 2.424
pull
Entries 78
Mean 94.87
Std Dev 54.46

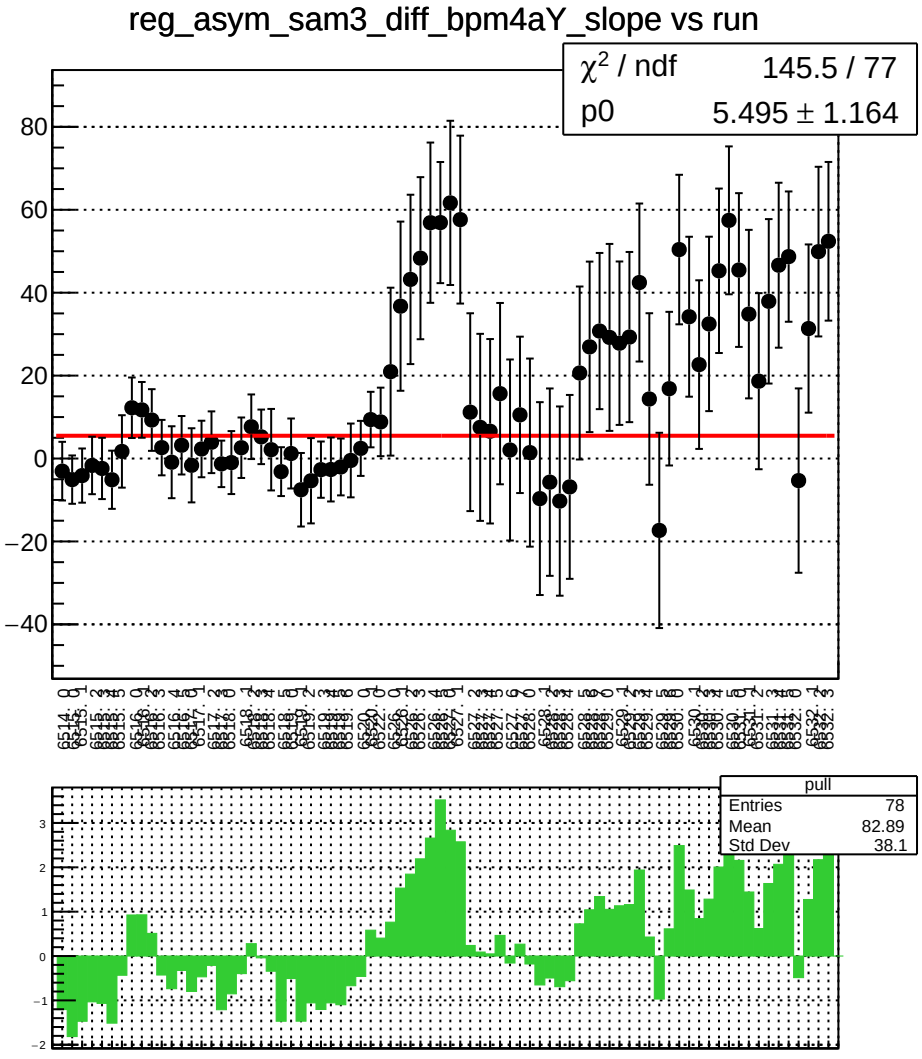

pull1D
Entries 78
Mean 0.4497
Std Dev 1.362

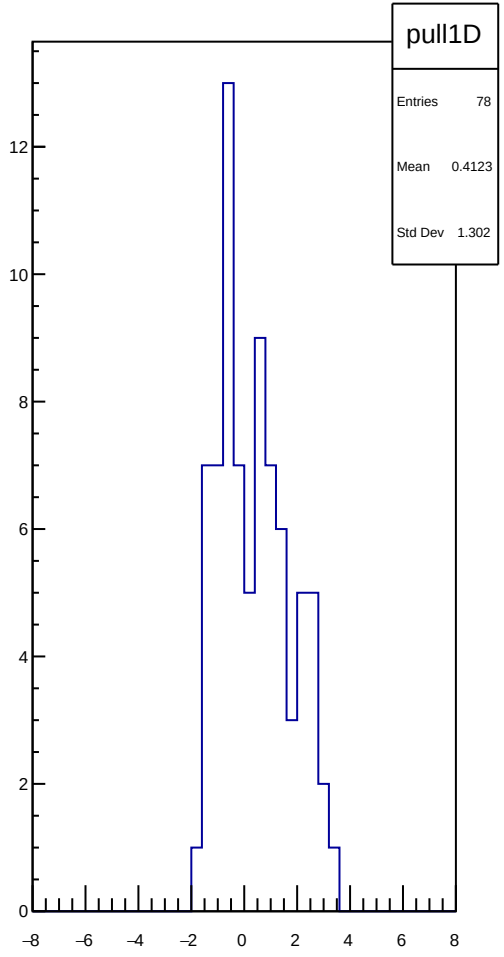

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.923 / 77
p0 1.506 ± 0.09235
pull
Entries 78
Mean 933.9
Std Dev 871.1

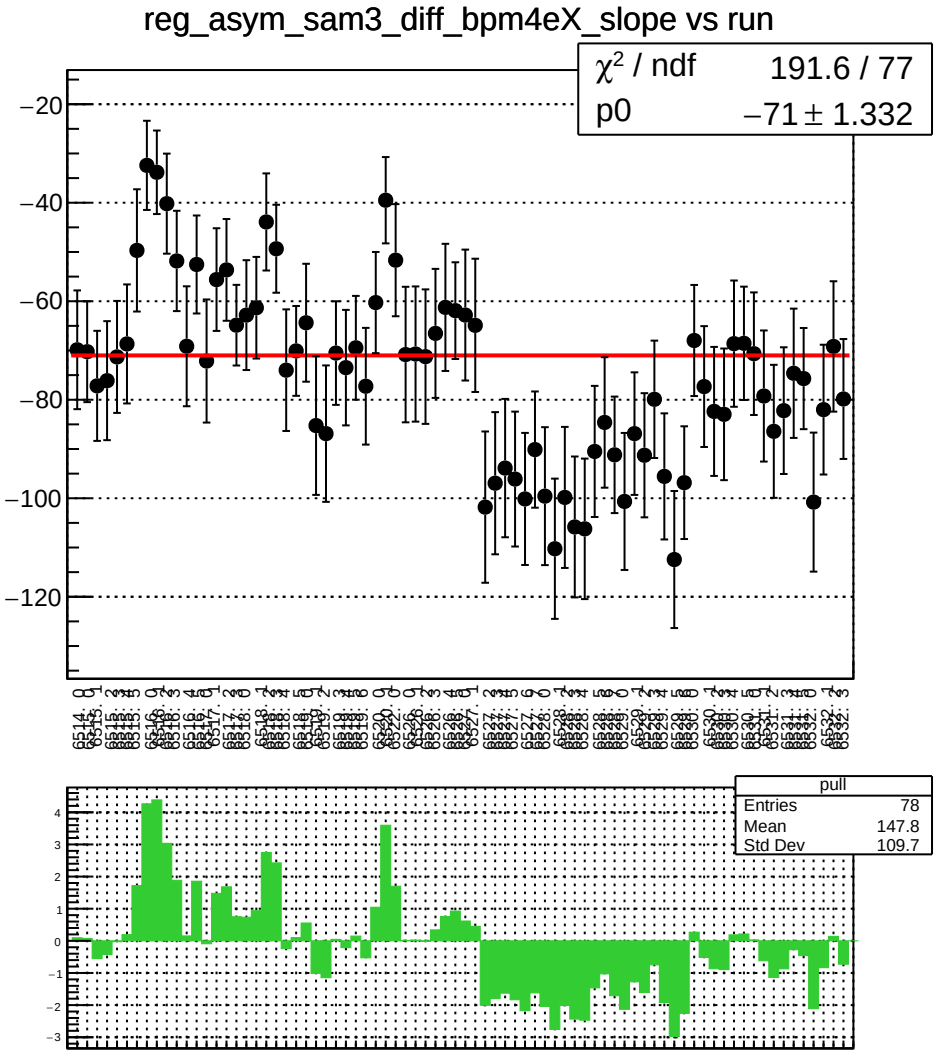

pull1D
Entries 78
Mean −0.001095
Std Dev 0.3187

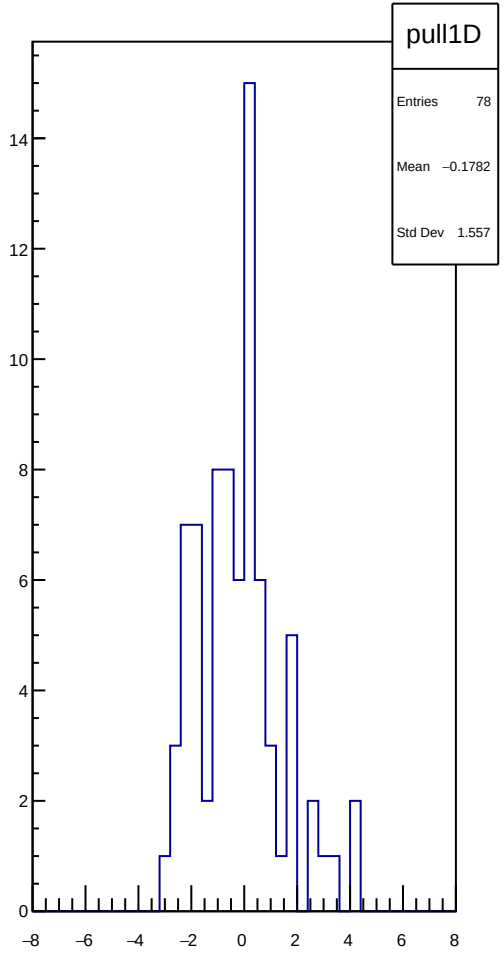

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 200.9 / 77
p0 −57.63 ± 1.229
pull
Entries 78
Mean 119.8
Std Dev 82.16

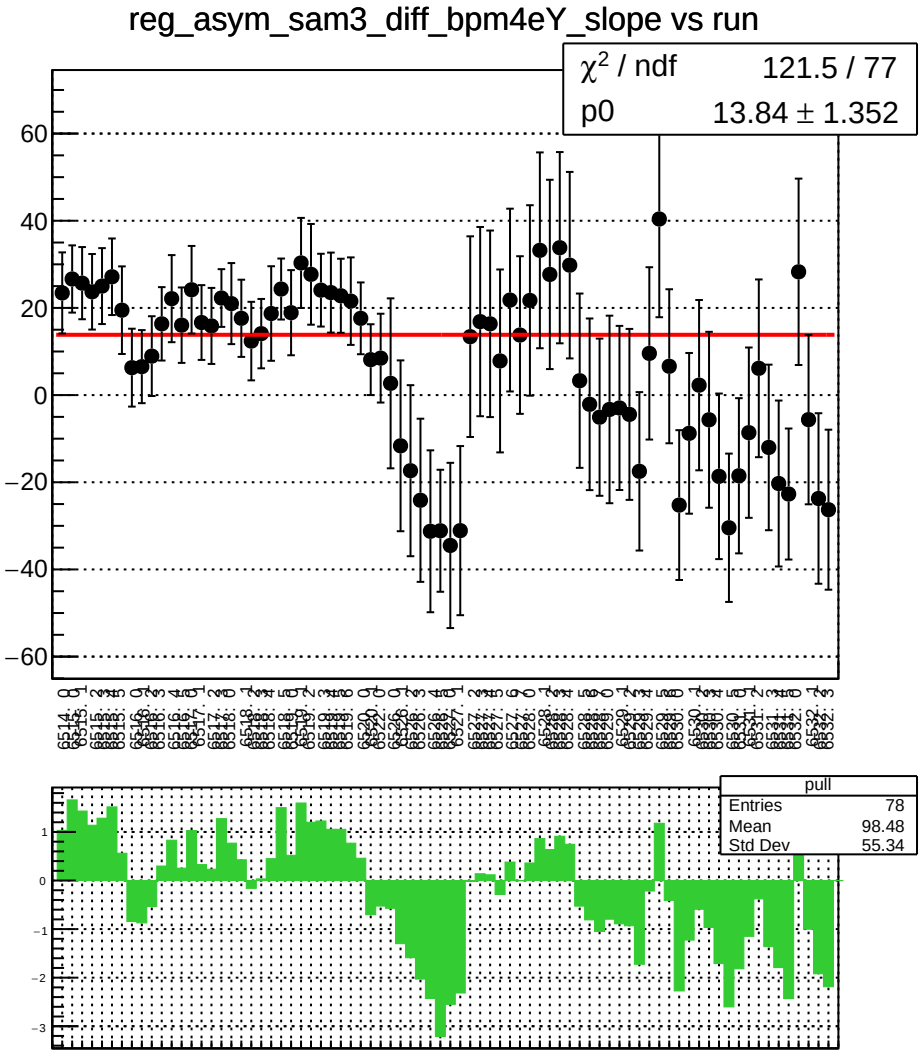

pull1D
Entries 78
Mean 0.1547
Std Dev 1.597

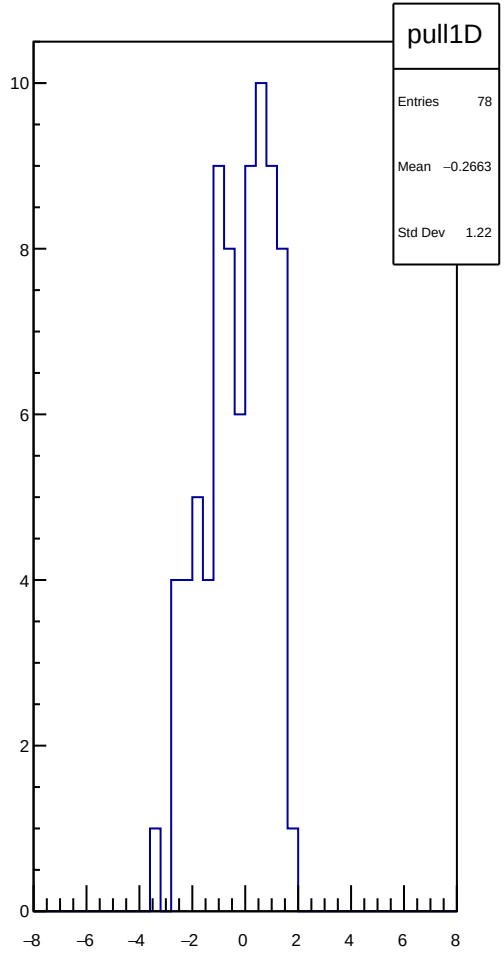

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 145.5 / 77
p0 5.495 ± 1.164
pull
Entries 78
Mean 82.89
Std Dev 38.1

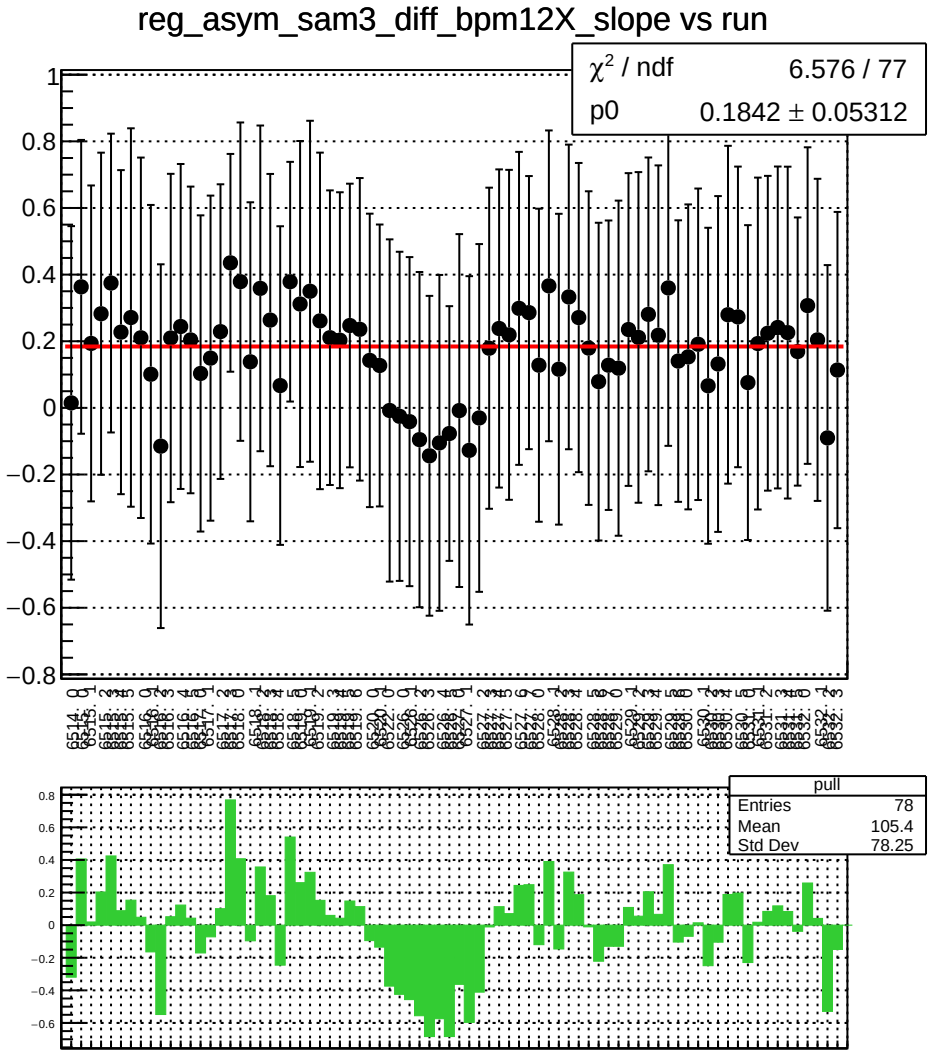

pull1D
Entries 78
Mean 0.4123
Std Dev 1.302

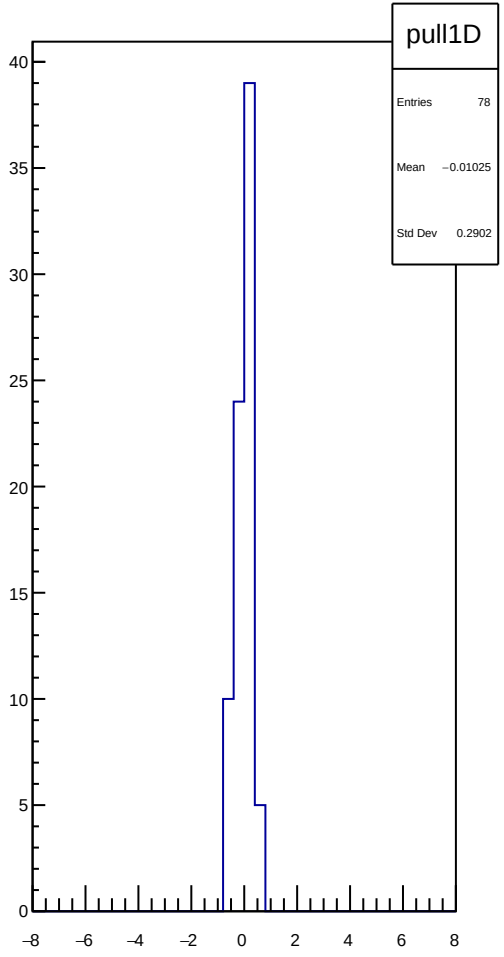

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 191.6 / 77
p0 −71 ± 1.332
pull
Entries 78
Mean 147.8
Std Dev 109.7

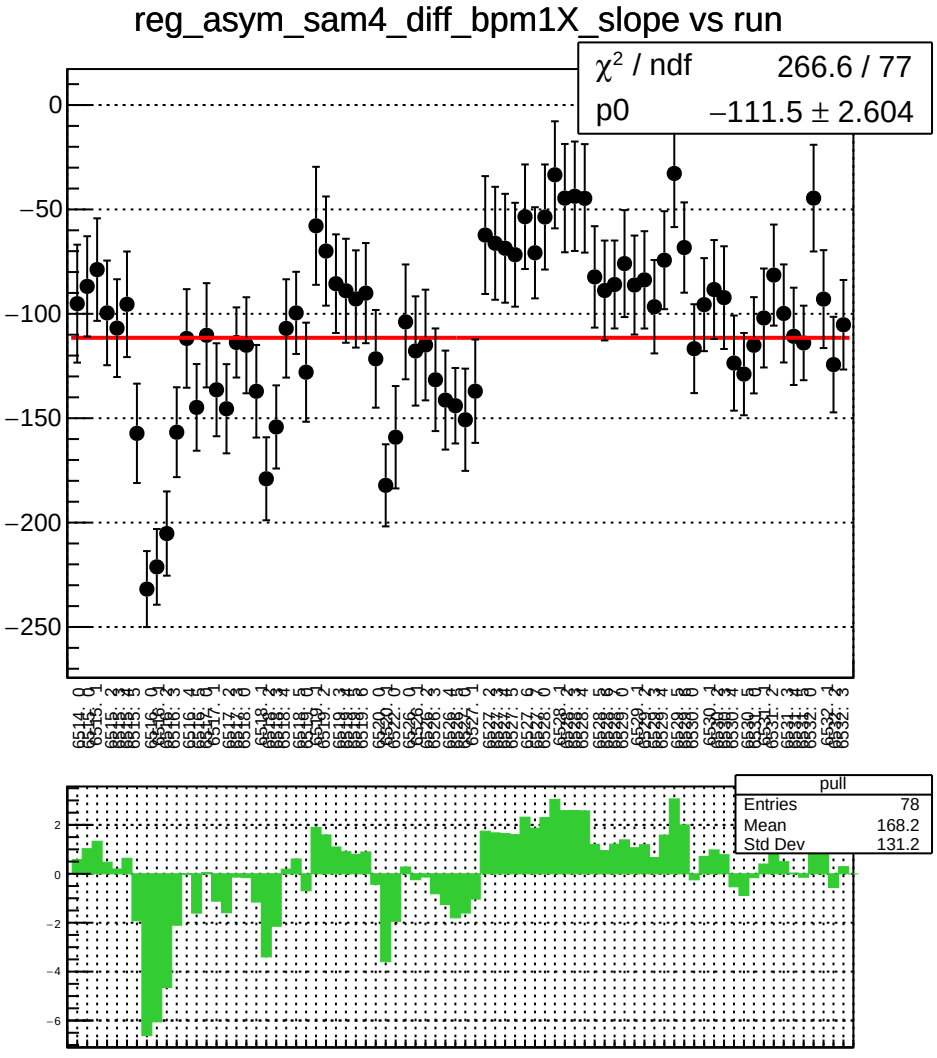

pull1D
Entries 78
Mean −0.1782
Std Dev 1.557

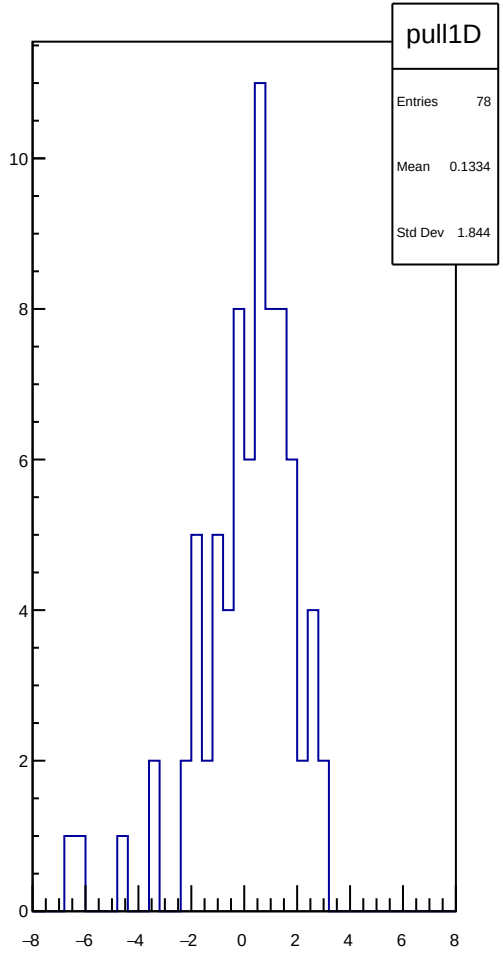

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 121.5 / 77
p0 13.84 ± 1.352
pull
Entries 78
Mean 98.48
Std Dev 55.34

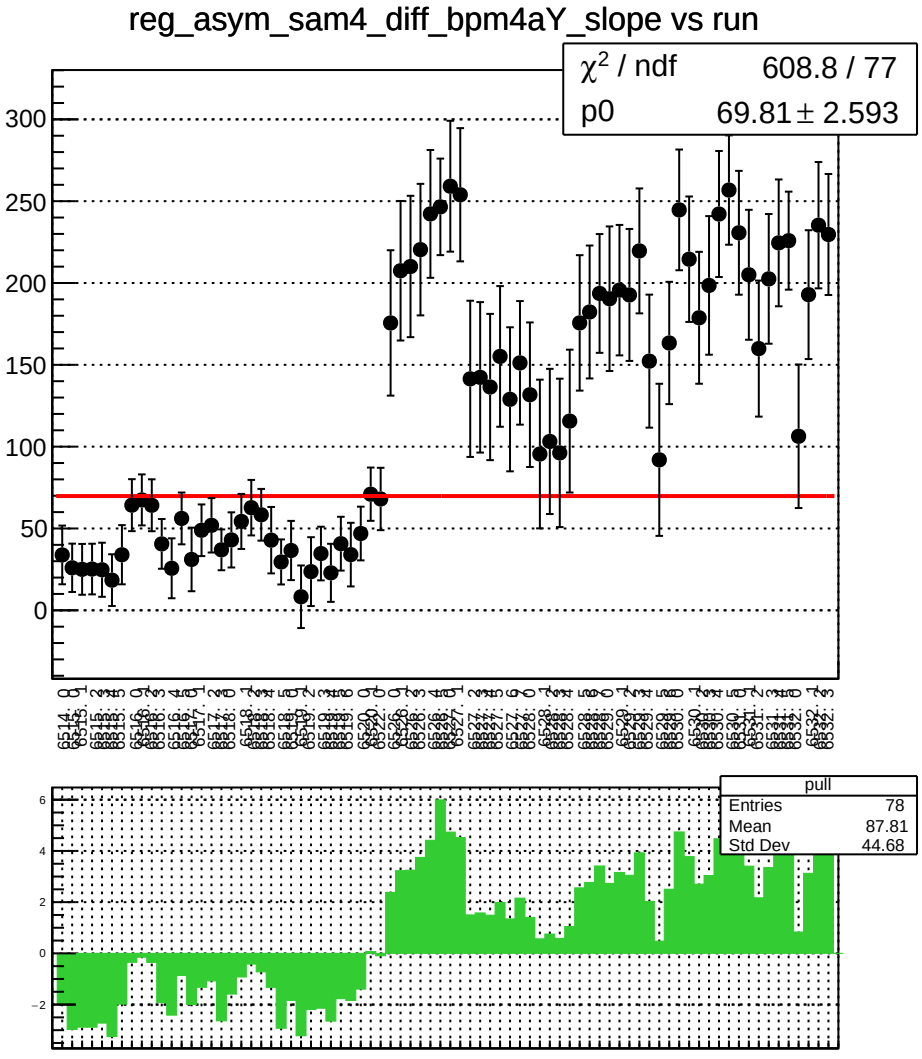

pull1D
Entries 78
Mean −0.2663
Std Dev 1.22

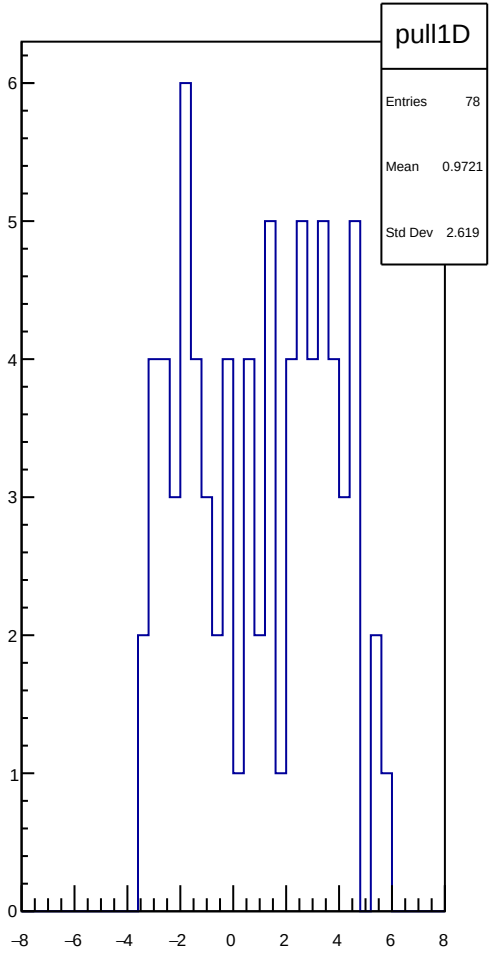

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 6.576 / 77
p0 0.1842 ± 0.05312
pull
Entries 78
Mean 105.4
Std Dev 78.25

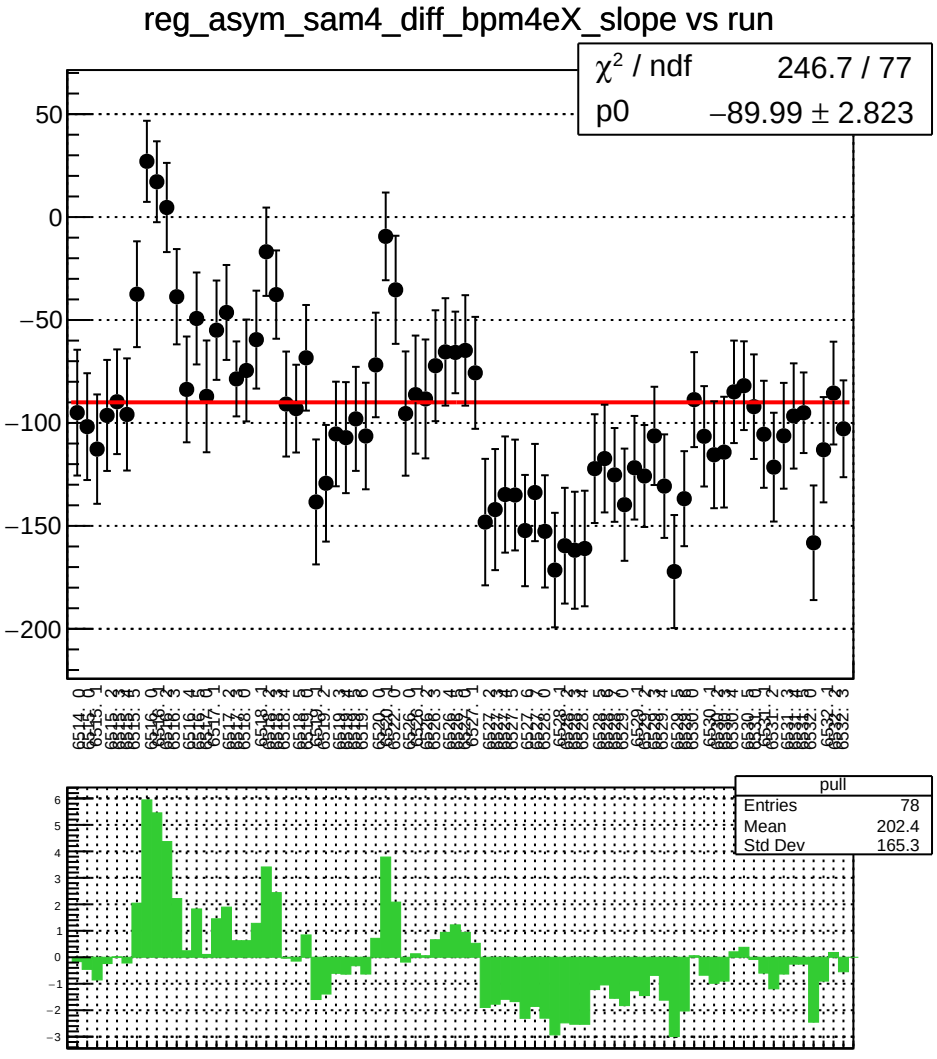

pull1D
Entries 78
Mean −0.01025
Std Dev 0.2902

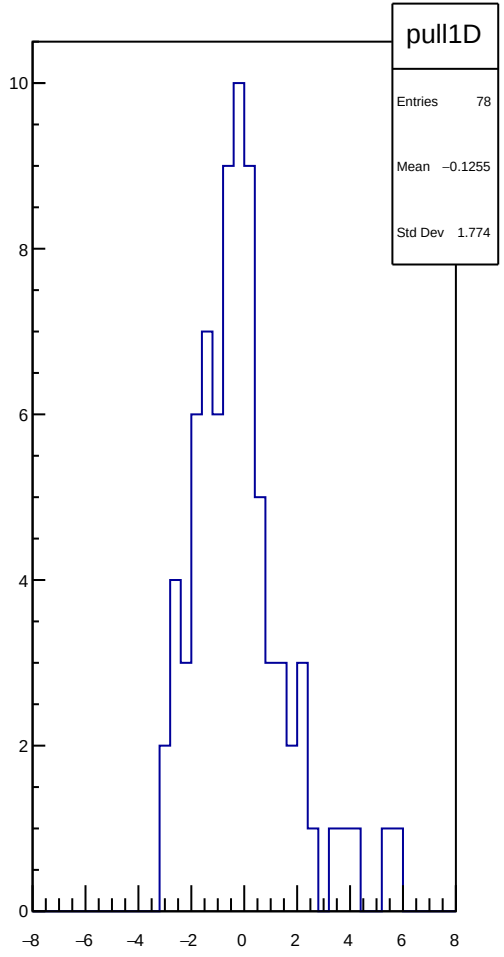

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 266.6 / 77
p0 −111.5 ± 2.604
pull
Entries 78
Mean 168.2
Std Dev 131.2

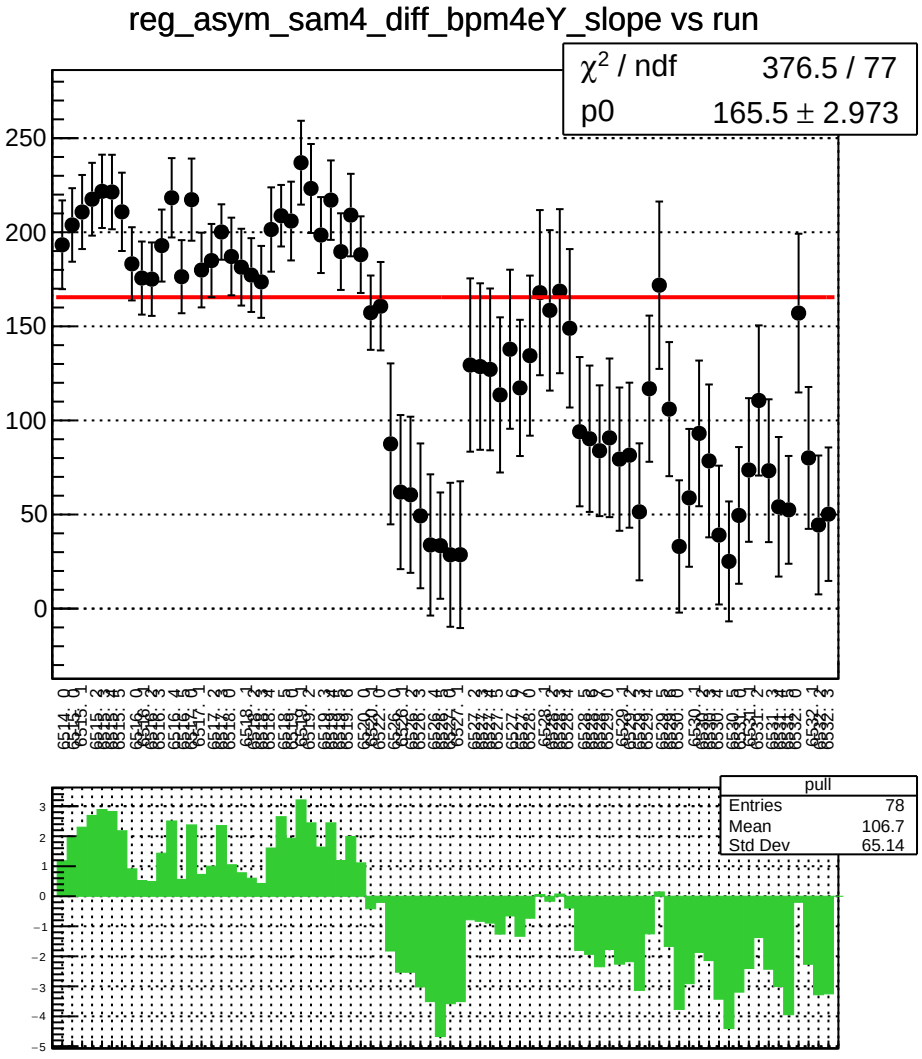

pull1D
Entries 78
Mean 0.1334
Std Dev 1.844

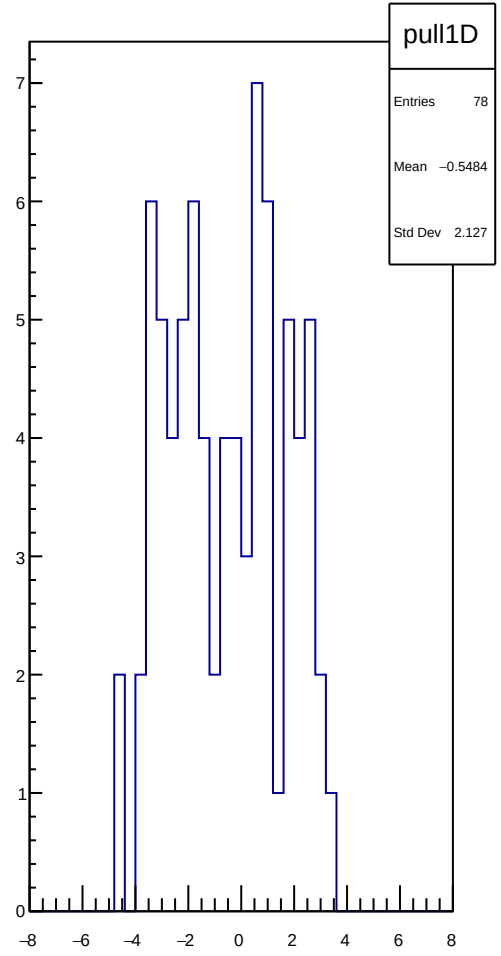

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 608.8 / 77
p0 69.81 ± 2.593
pull
Entries 78
Mean 87.81
Std Dev 44.68

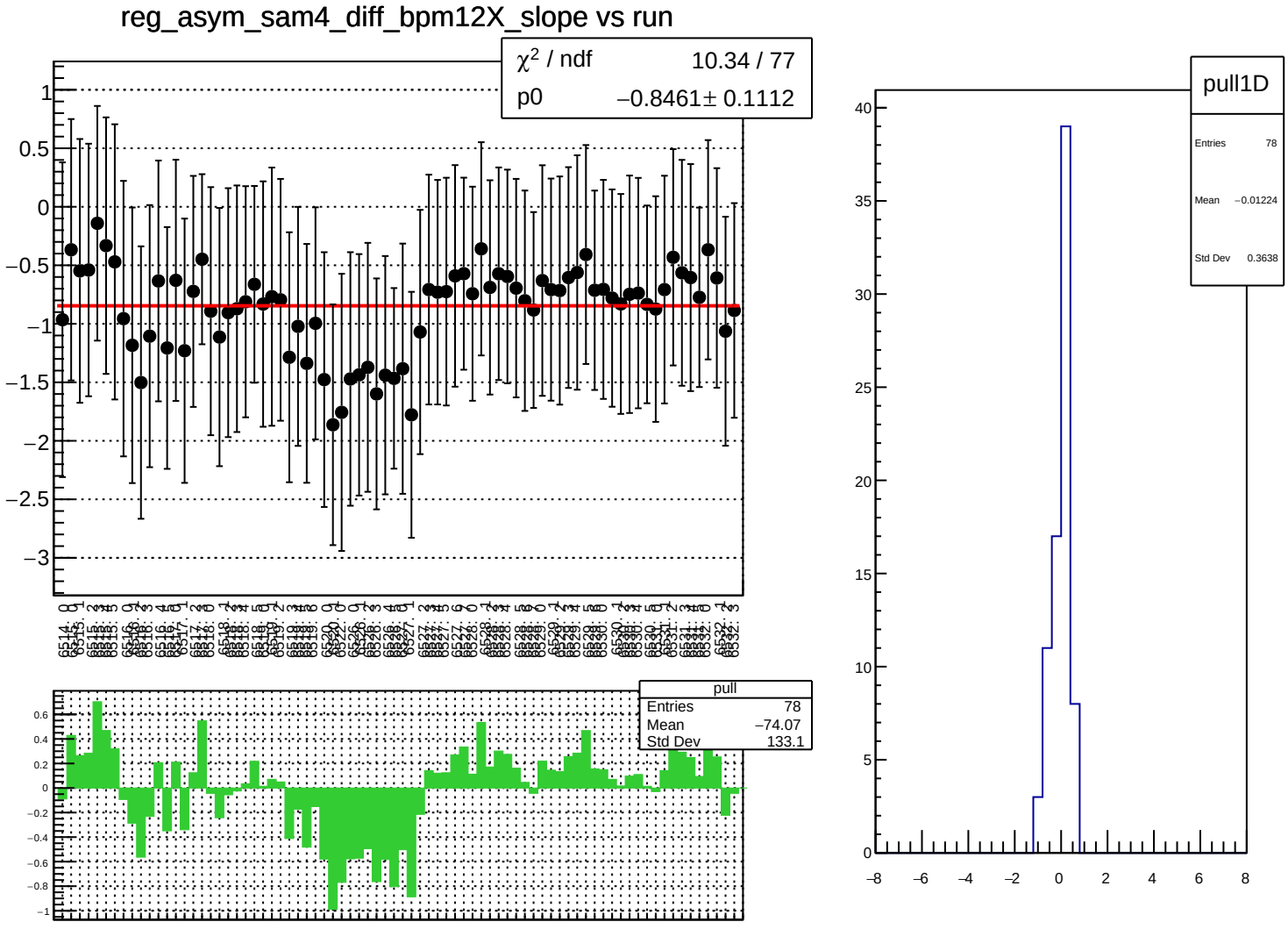

pull1D
Entries 78
Mean 0.9721
Std Dev 2.619

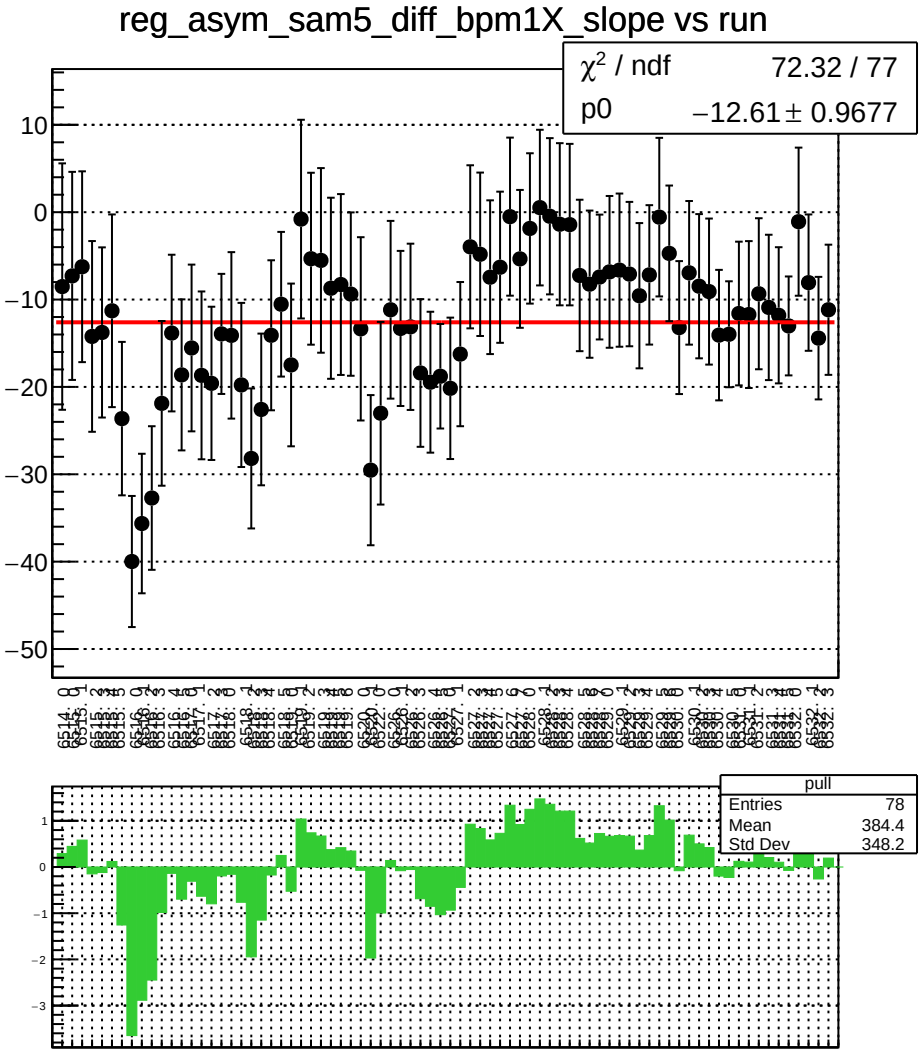

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 246.7 / 77
p0 −89.99 ± 2.823
pull
Entries 78
Mean 202.4
Std Dev 165.3

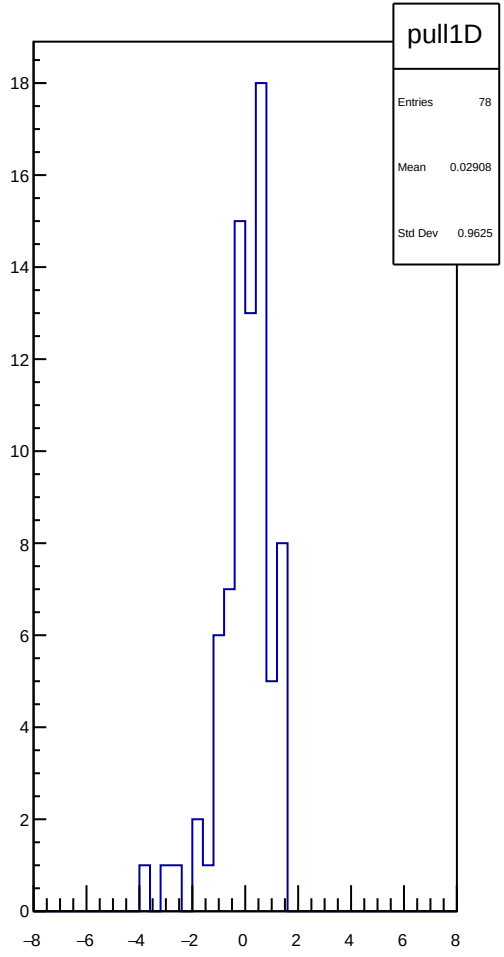

pull1D
Entries 78
Mean −0.1255
Std Dev 1.774

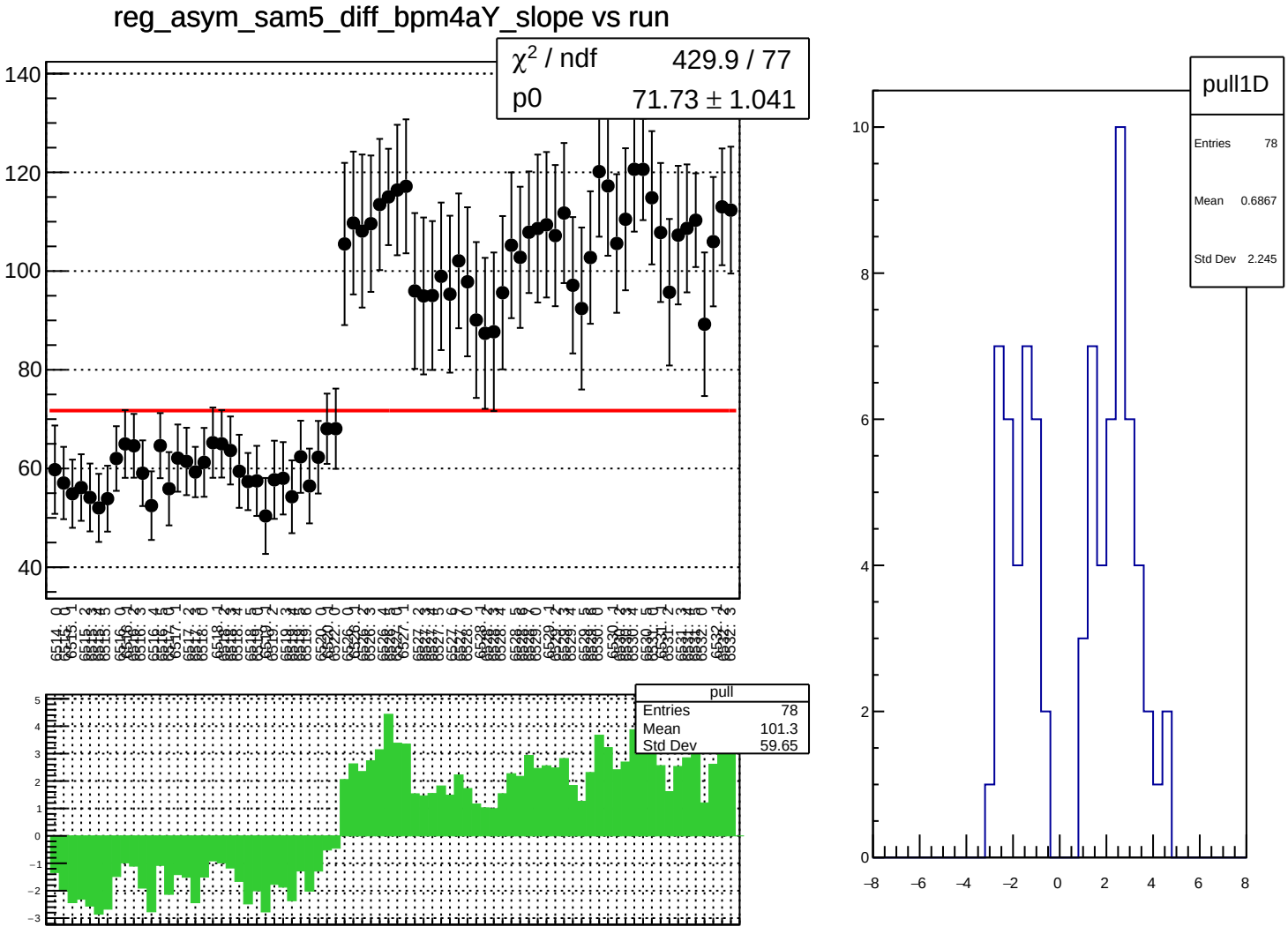

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 376.5 / 77
p0 165.5 ± 2.973
pull
Entries 78
Mean 106.7
Std Dev 65.14

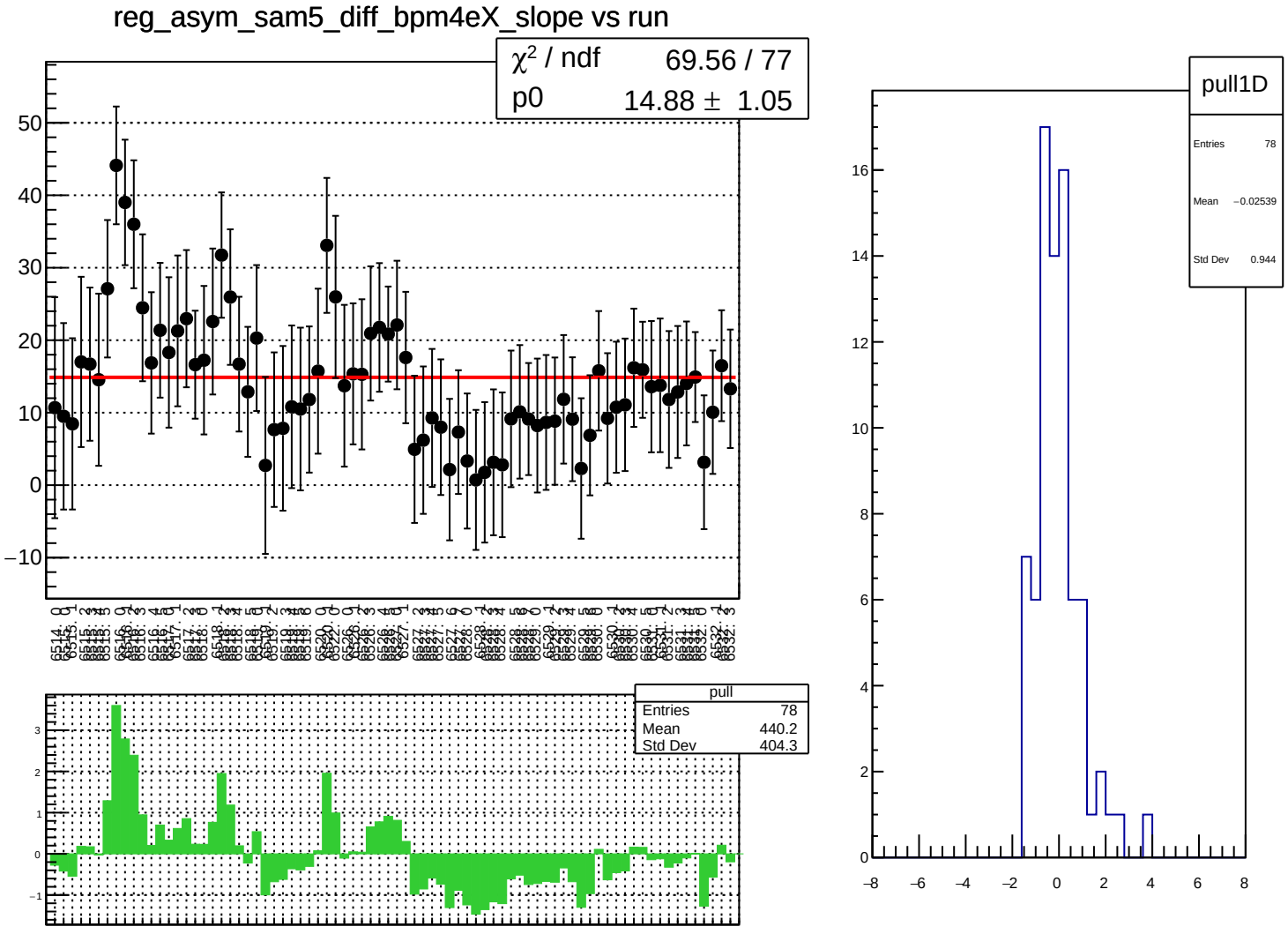

pull1D
Entries 78
Mean −0.5484
Std Dev 2.127

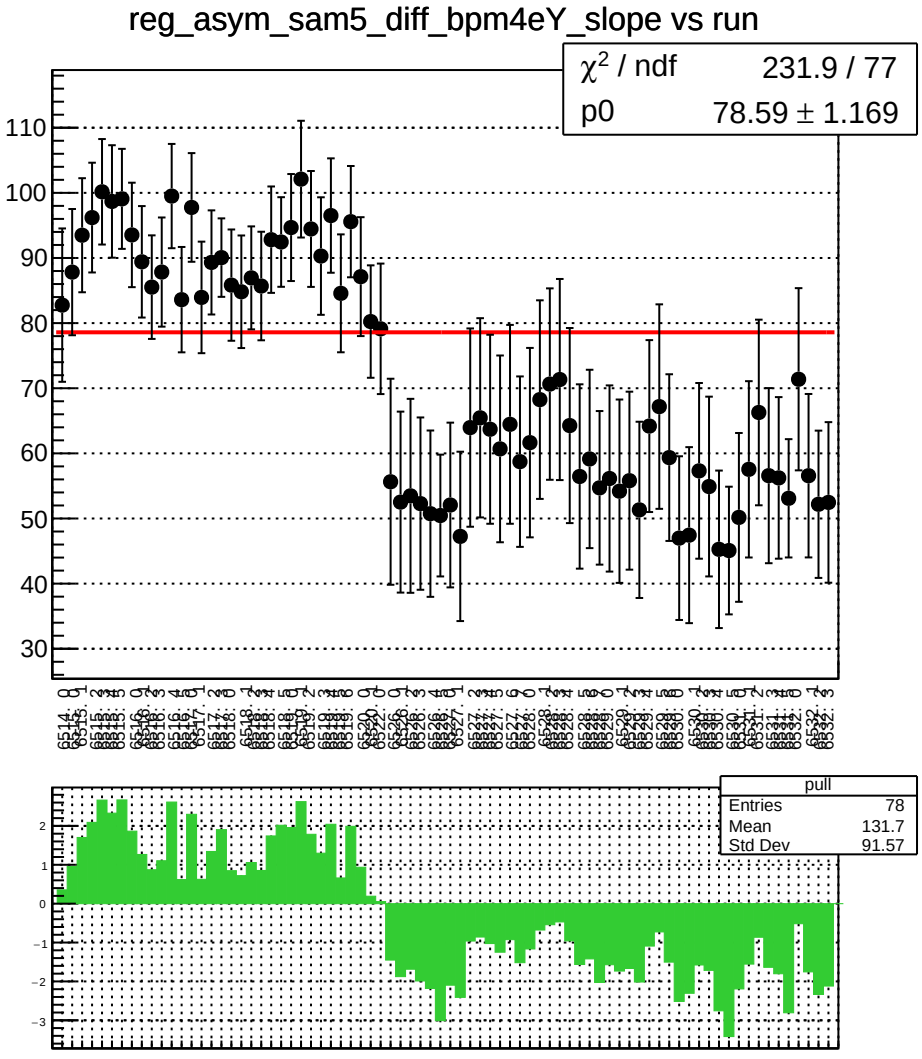

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.34 / 77
p0 −0.8461± 0.1112
pull
Entries 78
Mean −74.07
Std Dev 133.1
pull1D
Entries 78
Mean −0.01224
Std Dev 0.3638

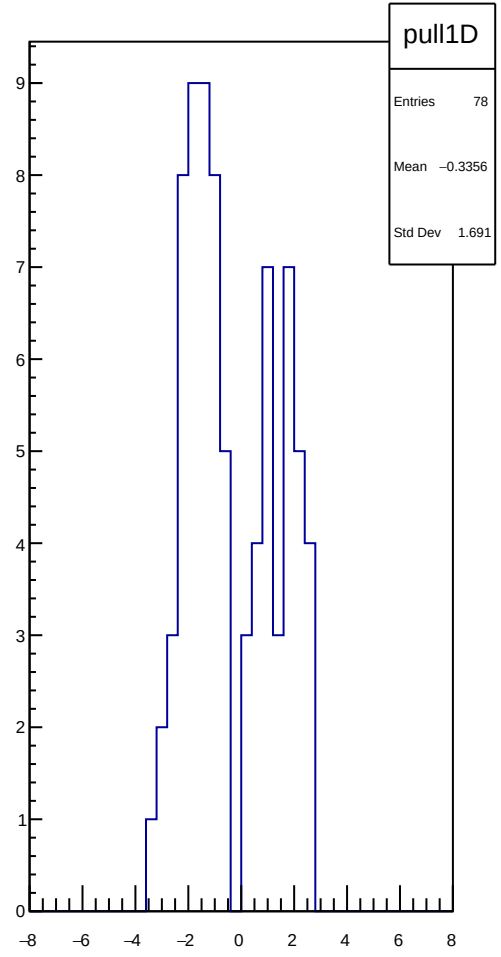

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 72.32 / 77
p0 −12.61 ± 0.9677
pull
Entries 78
Mean 384.4
Std Dev 348.2

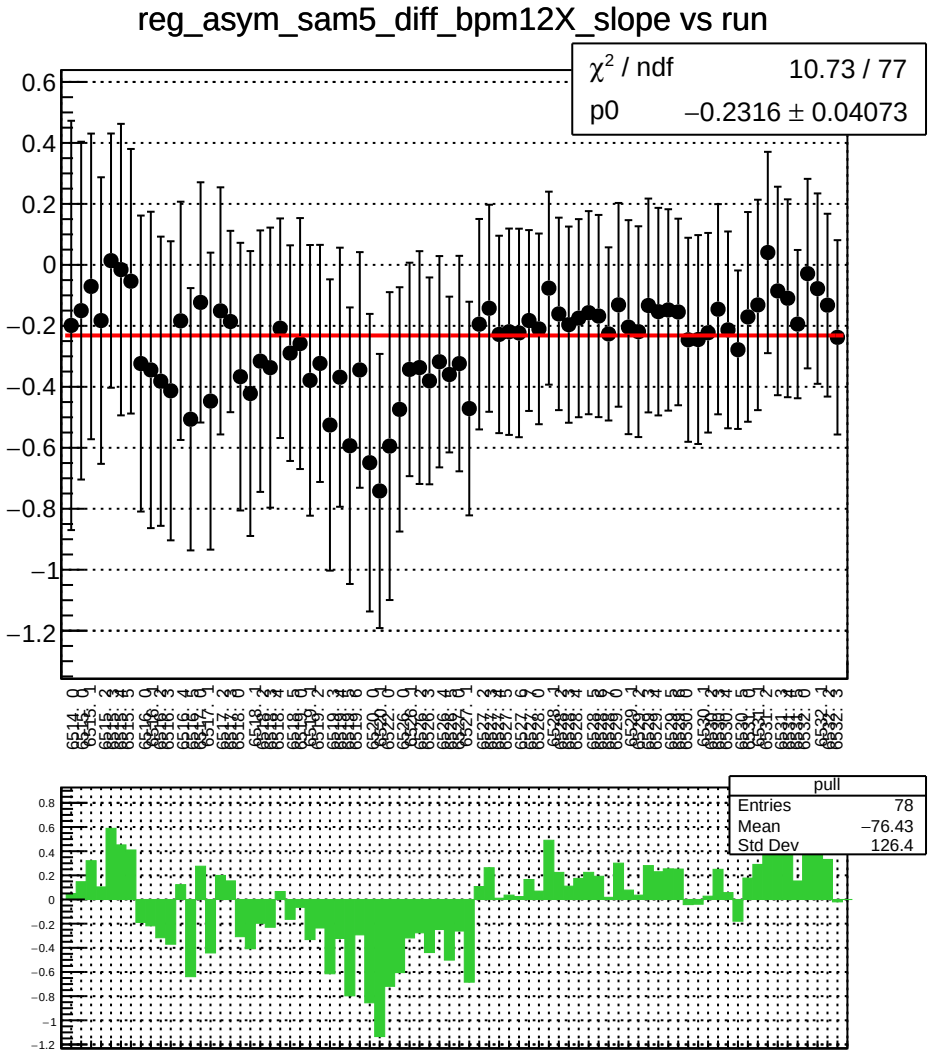

pull1D
Entries 78
Mean 0.02908
Std Dev 0.9625

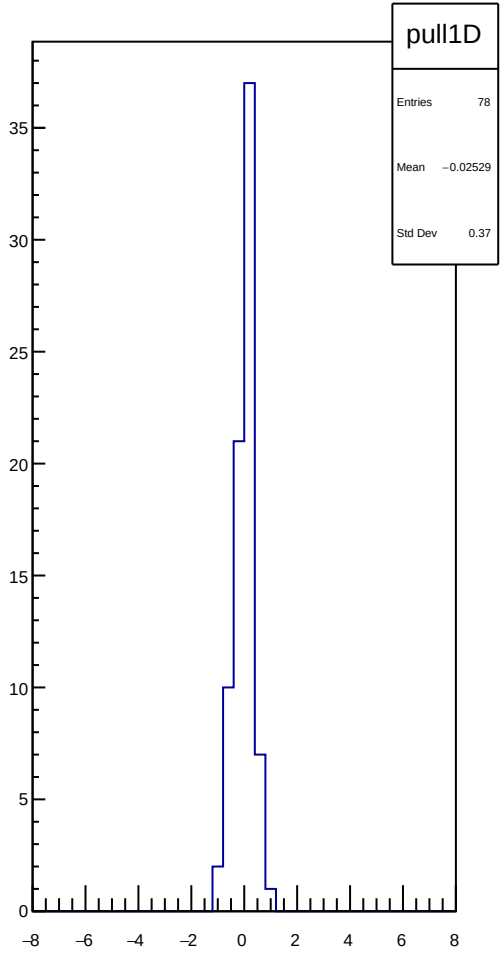

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 429.9 / 77
p0 71.73 ± 1.041
pull
Entries 78
Mean 101.3
Std Dev 59.65
pull1D
Entries 78
Mean 0.6867
Std Dev 2.245

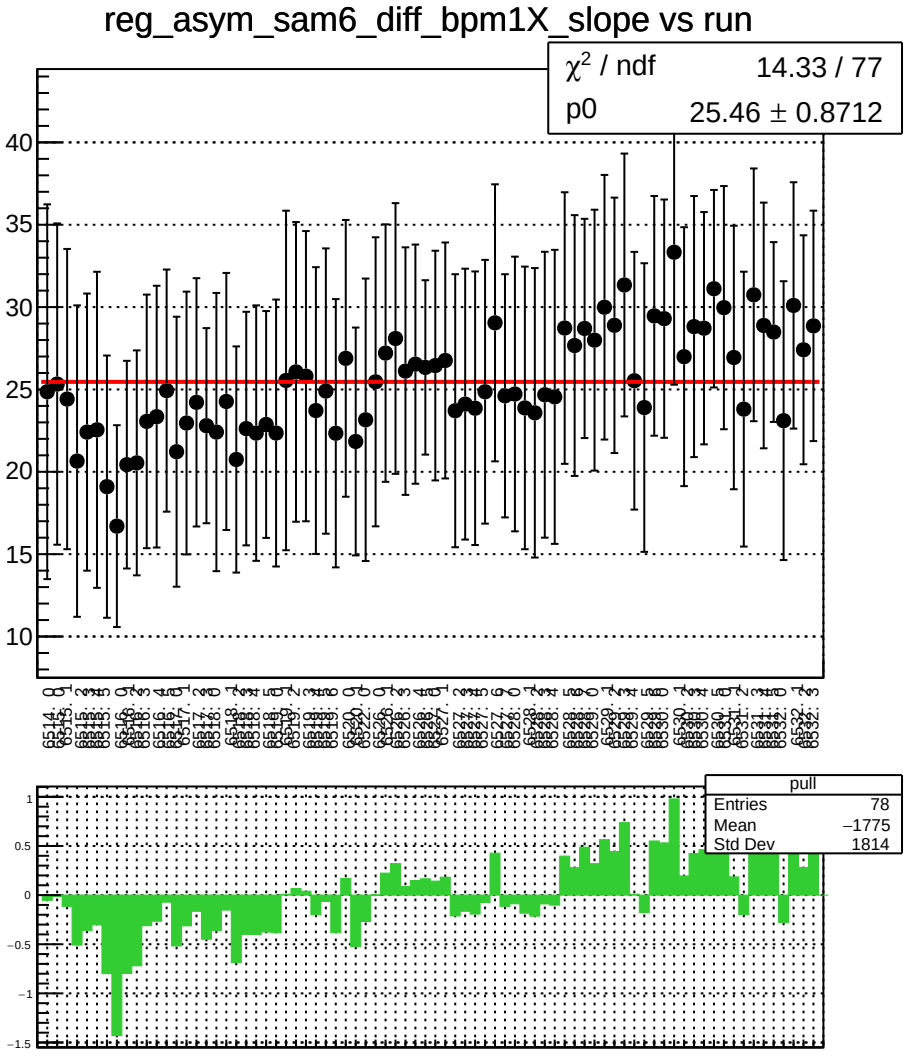

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 69.56 / 77
p0 14.88 ± 1.05
pull
Entries 78
Mean 440.2
Std Dev 404.3
pull1D
Entries 78
Mean −0.02539
Std Dev 0.944

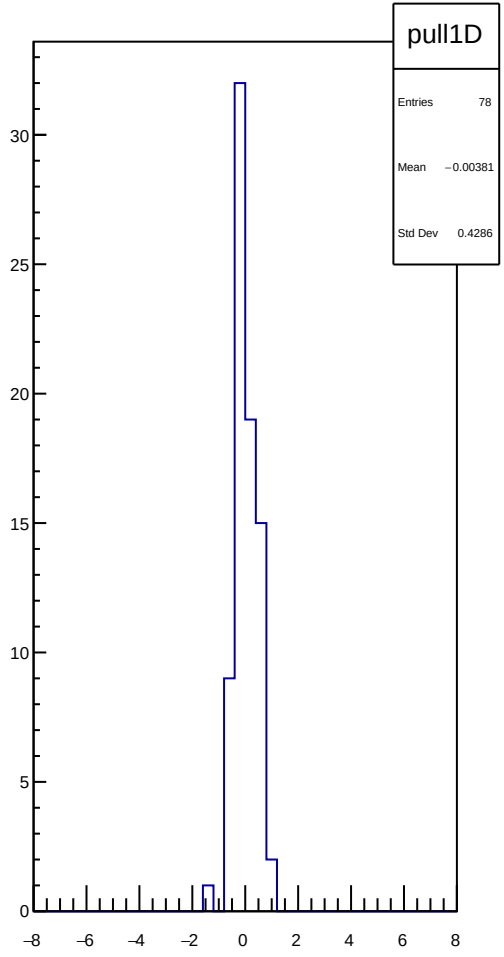

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 231.9 / 77
p0 78.59 ± 1.169
pull
Entries 78
Mean 131.7
Std Dev 91.57

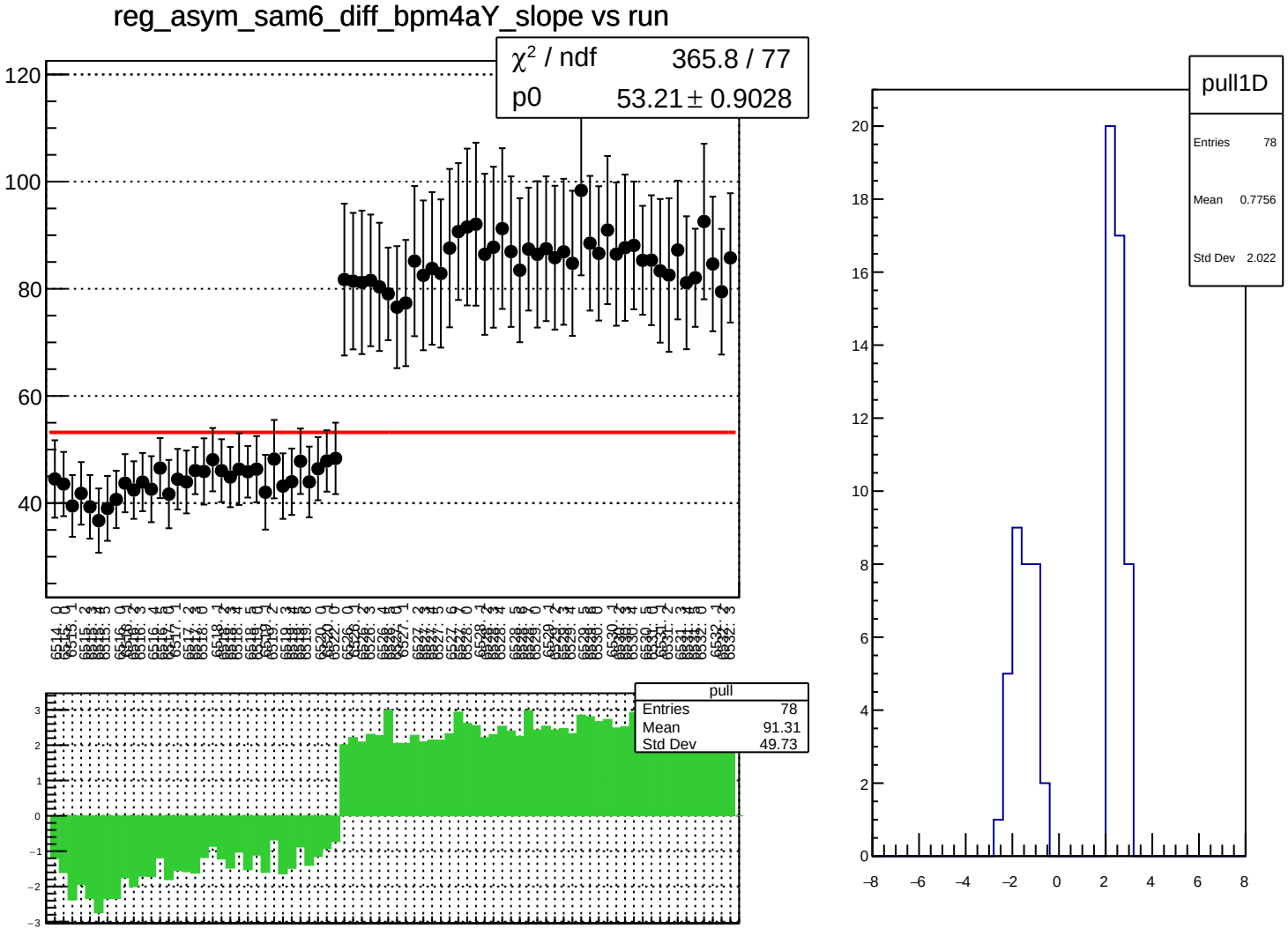

pull1D
Entries 78
Mean −0.3356
Std Dev 1.691

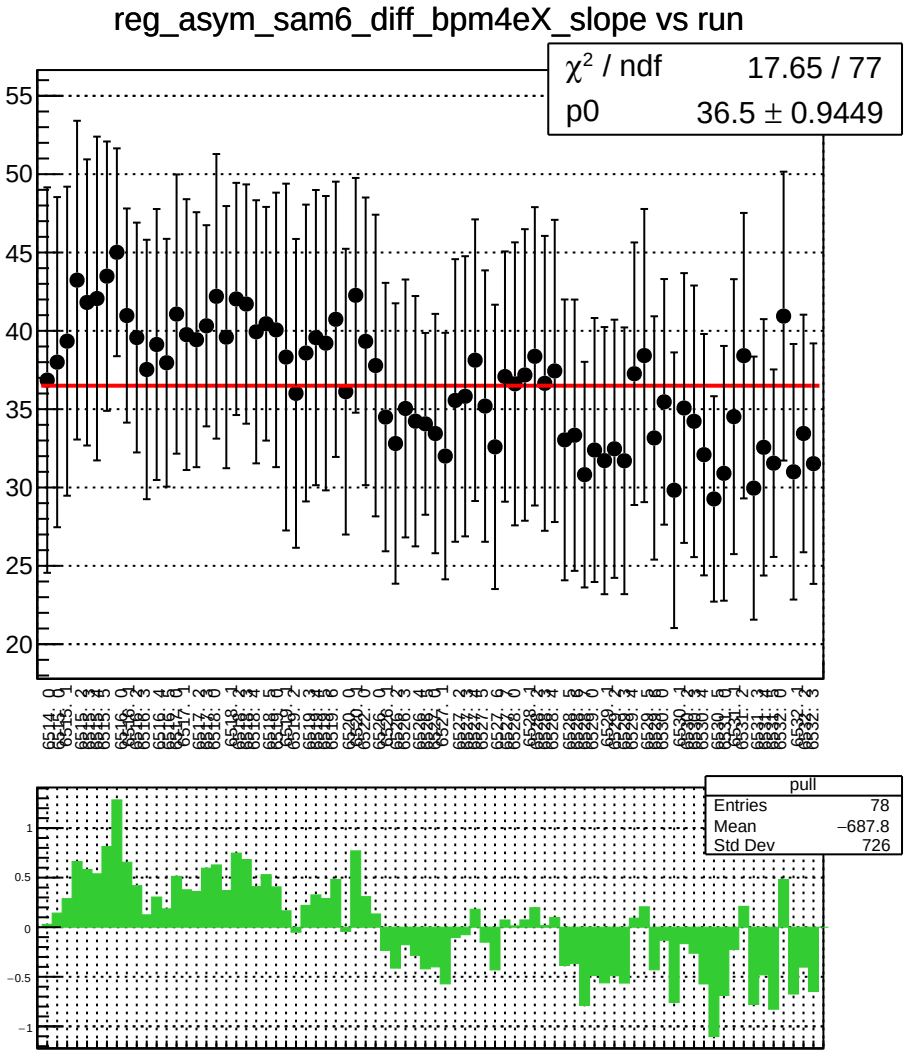

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 10.73 / 77
p0 −0.2316 ± 0.04073
pull
Entries 78
Mean −76.43
Std Dev 126.4

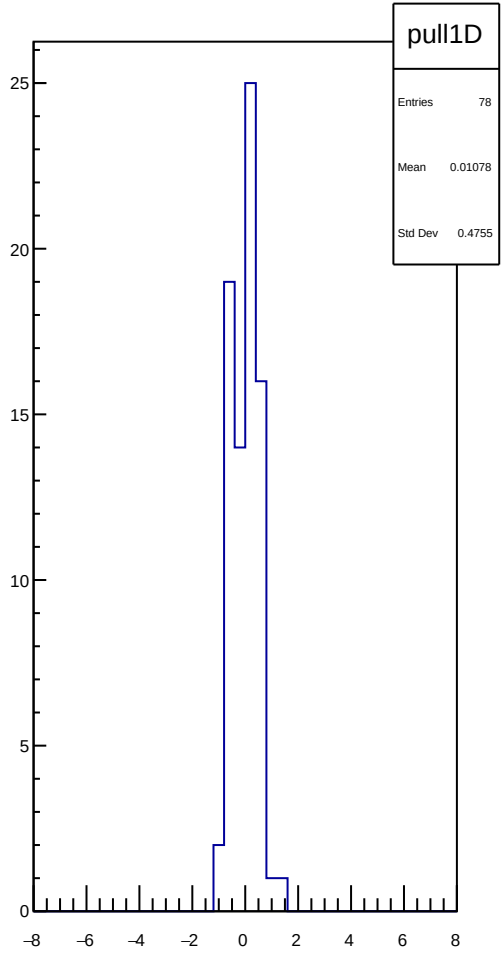

pull1D
Entries 78
Mean −0.02529
Std Dev 0.37

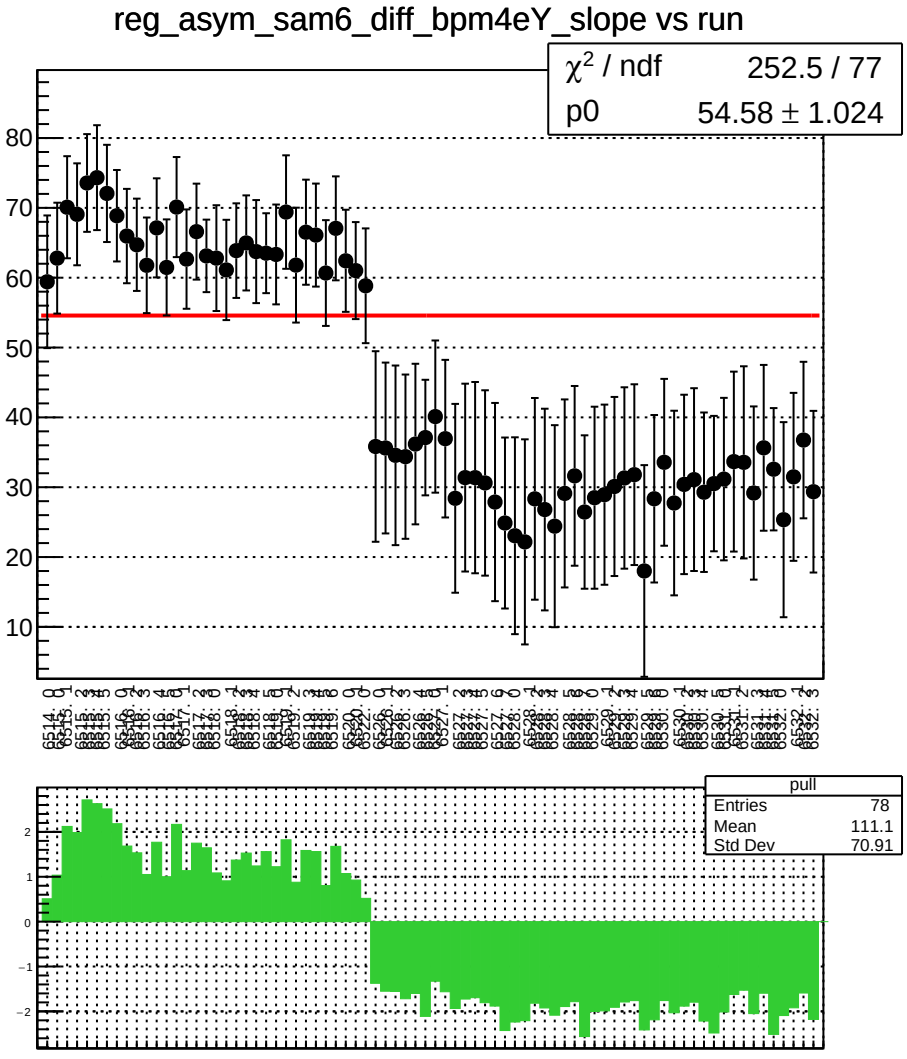

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 14.33 / 77
p0 25.46 ± 0.8712
pull
Entries 78
Mean −1775
Std Dev 1814

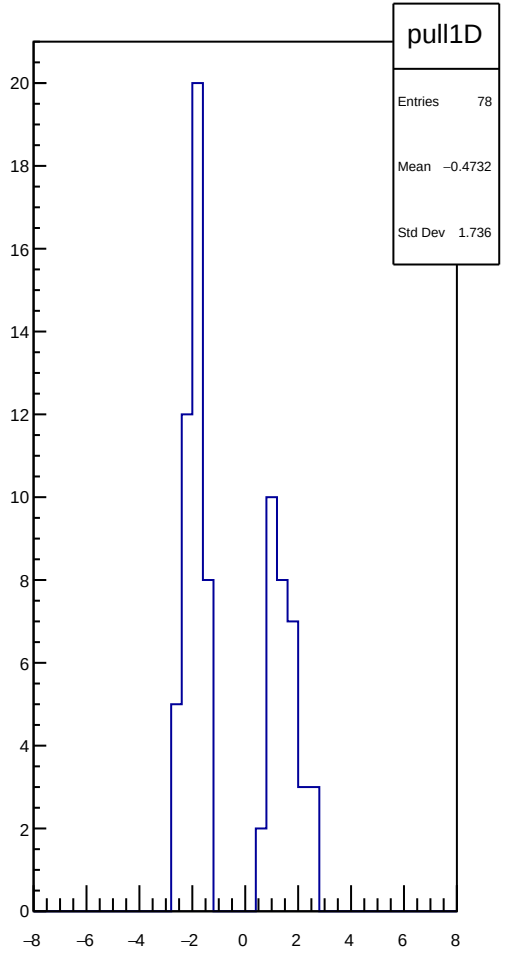

pull1D
Entries 78
Mean −0.00381
Std Dev 0.4286

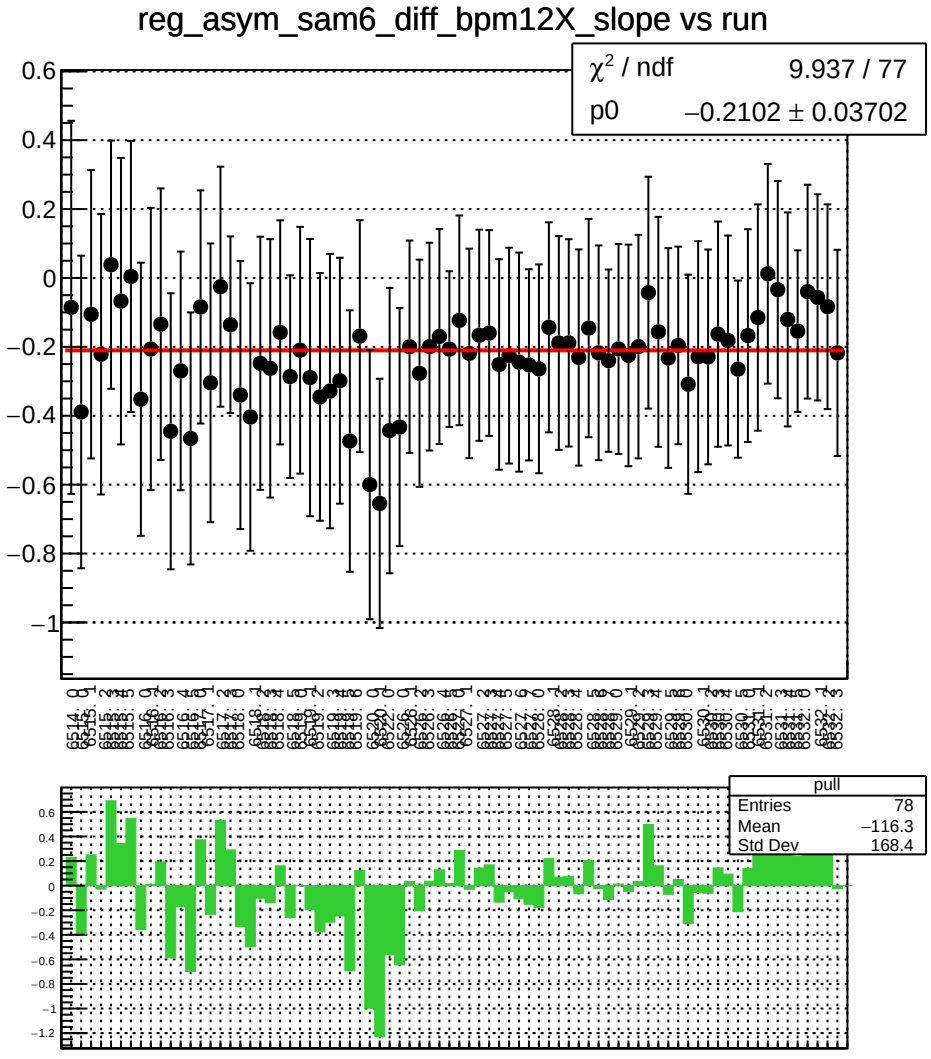

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 365.8 / 77
p0 53.21 ± 0.9028
pull
Entries 78
Mean 91.31
Std Dev 49.73
pull1D
Entries 78
Mean 0.7756
Std Dev 2.022

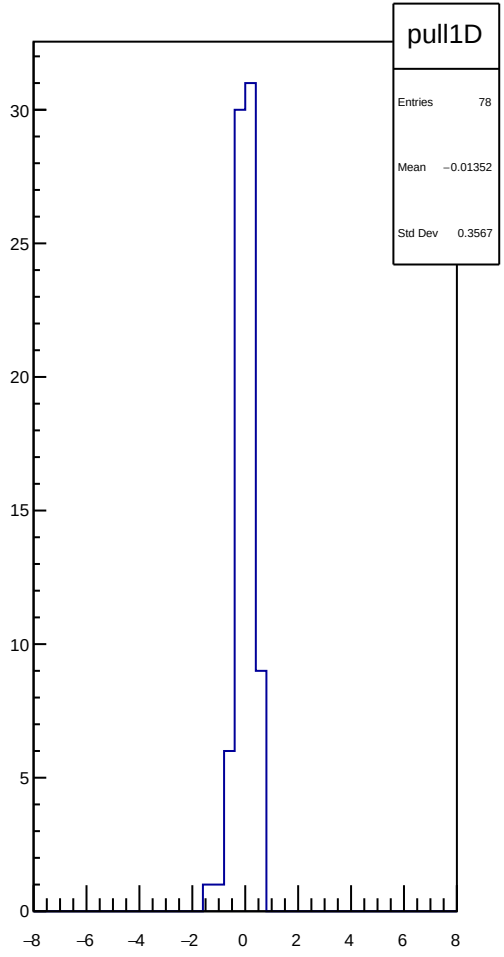

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 17.65 / 77
p0 36.5 ± 0.9449
pull
Entries 78
Mean −687.8
Std Dev 726

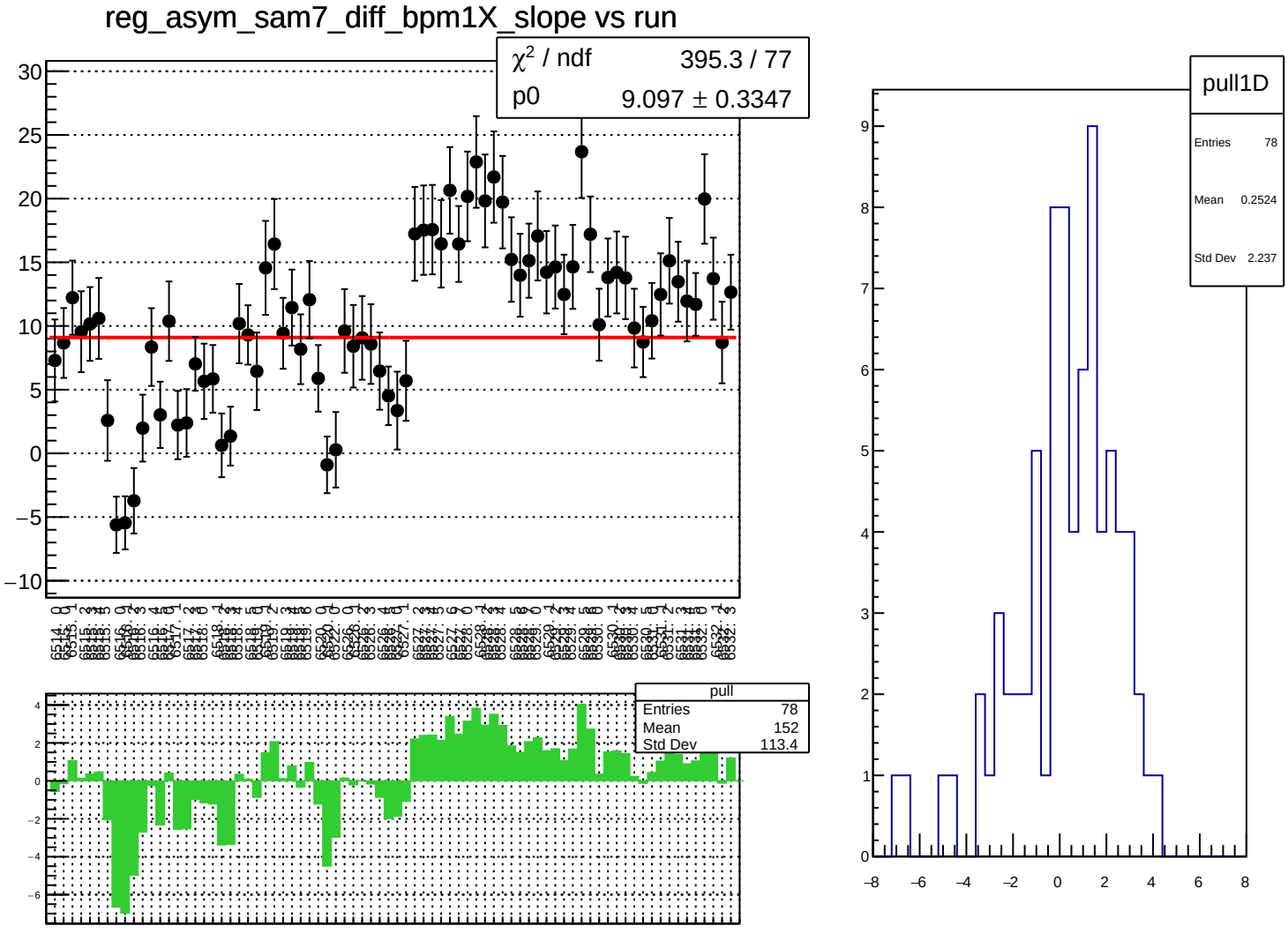

pull1D
Entries 78
Mean 0.01078
Std Dev 0.4755

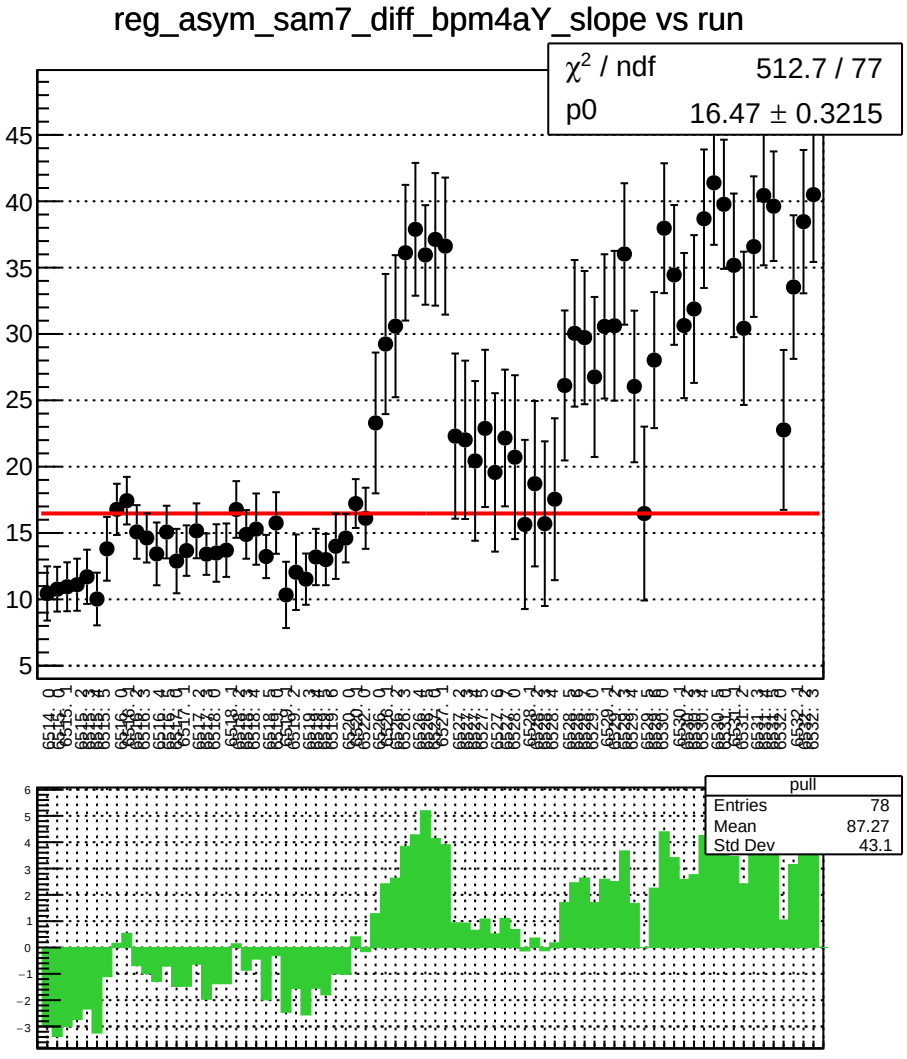

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 252.5 / 77
p0 54.58 ± 1.024
pull
Entries 78
Mean 111.1
Std Dev 70.91

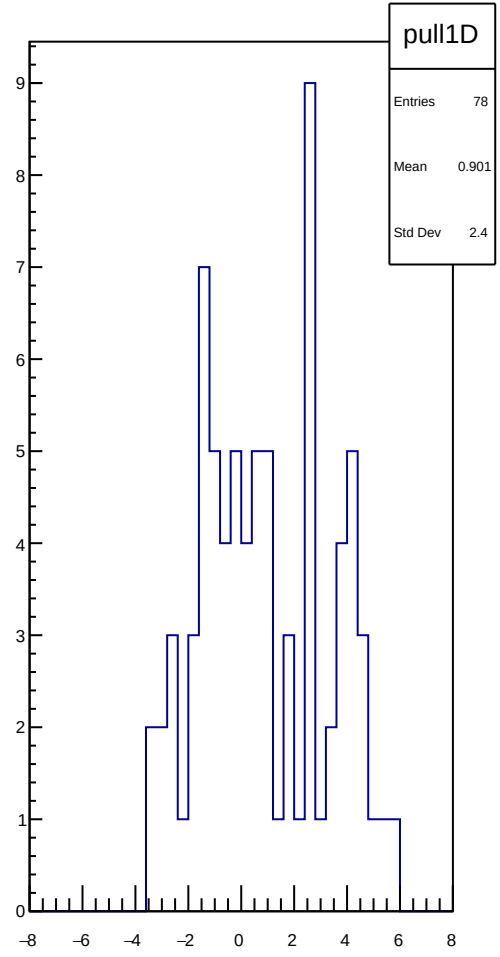

pull1D
Entries 78
Mean −0.4732
Std Dev 1.736

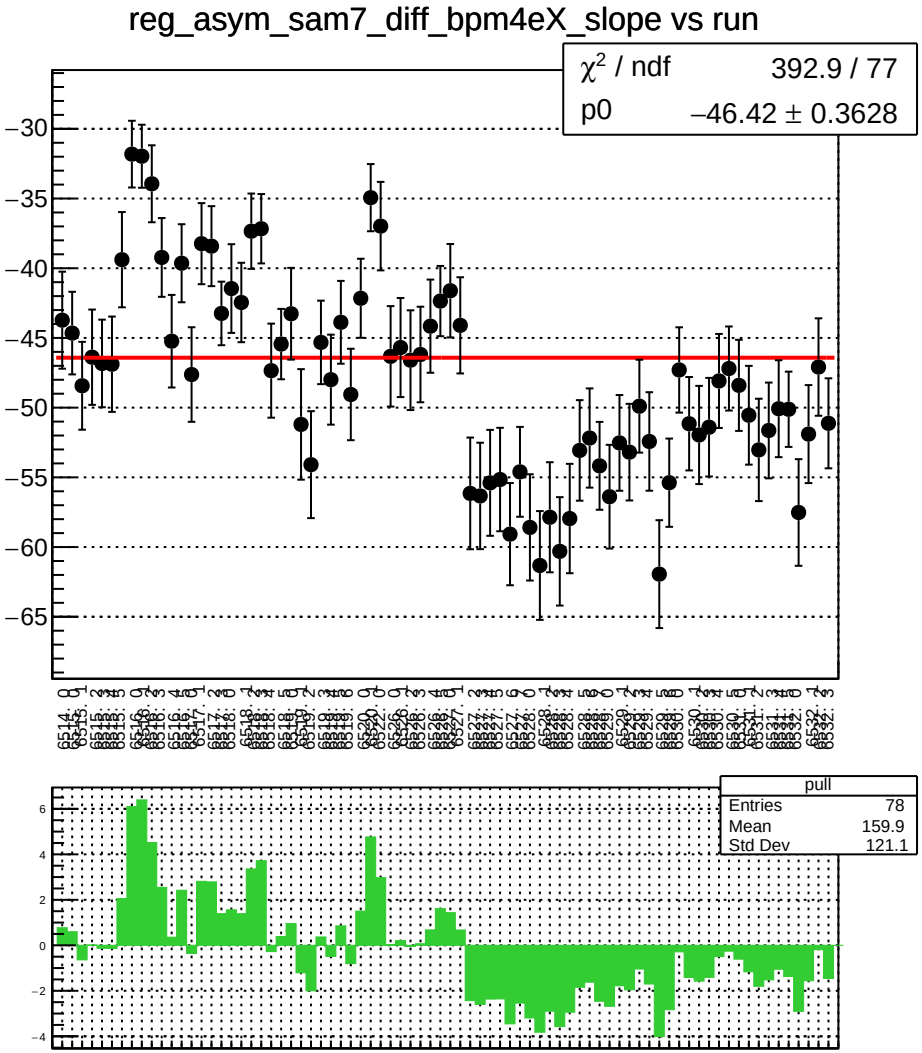

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 9.937 / 77
p0 −0.2102 ± 0.03702
pull
Entries 78
Mean −116.3
Std Dev 168.4

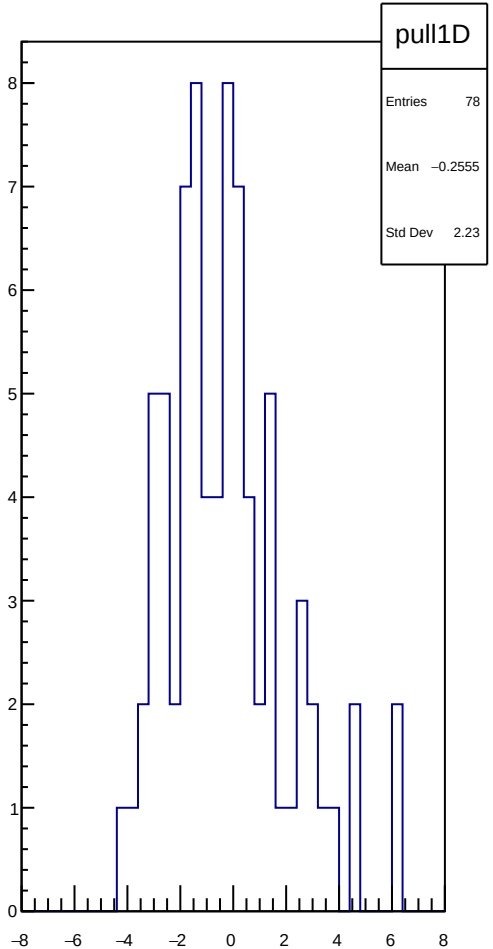

pull1D
Entries 78
Mean −0.01352
Std Dev 0.3567

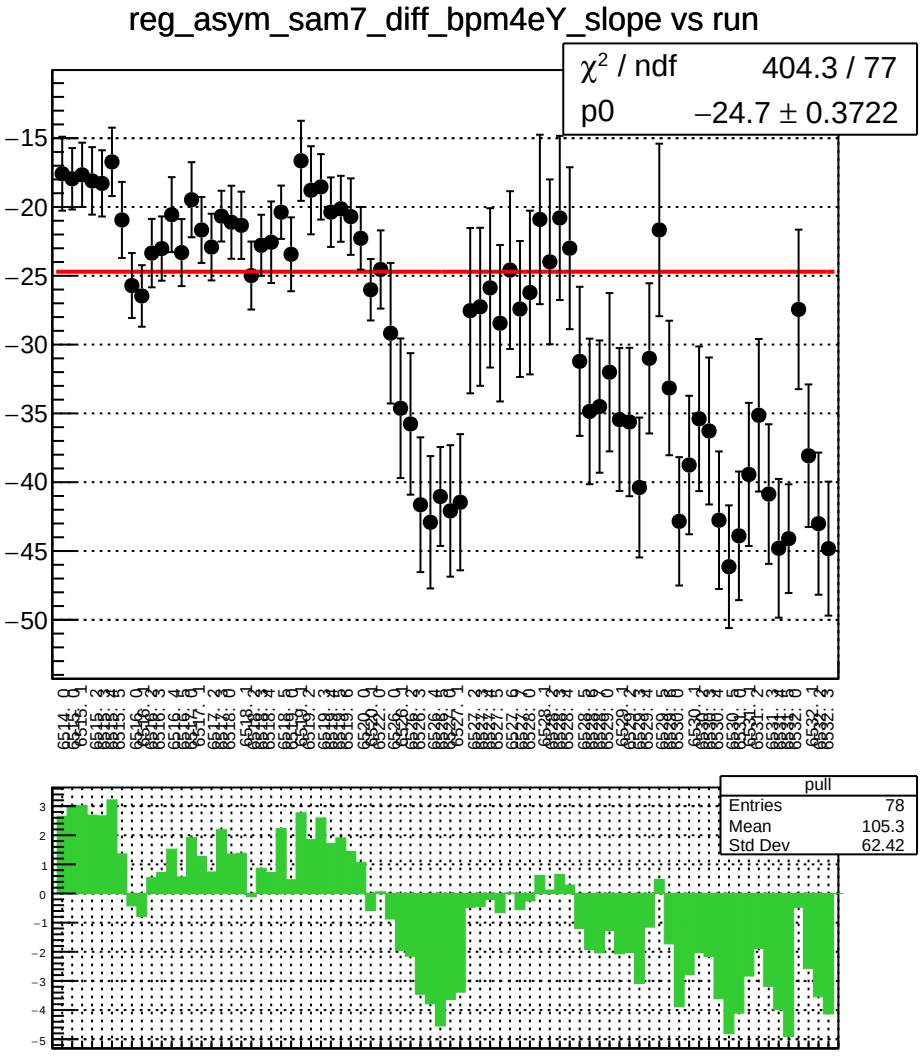

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 395.3 / 77
p0 9.097 ± 0.3347
pull
Entries 78
Mean 152
Std Dev 113.4
pull1D
Entries 78
Mean 0.2524
Std Dev 2.237

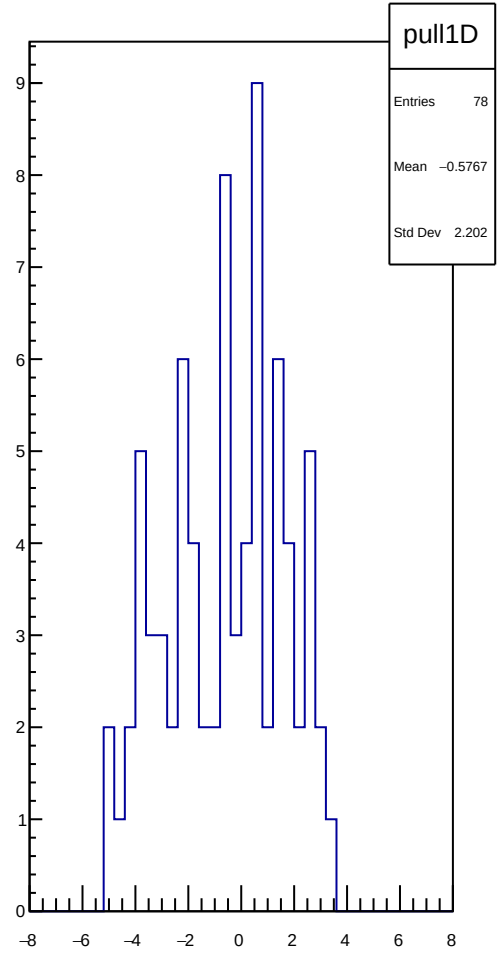

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 512.7 / 77
p0 16.47 ± 0.3215
pull
Entries 78
Mean 87.27
Std Dev 43.1

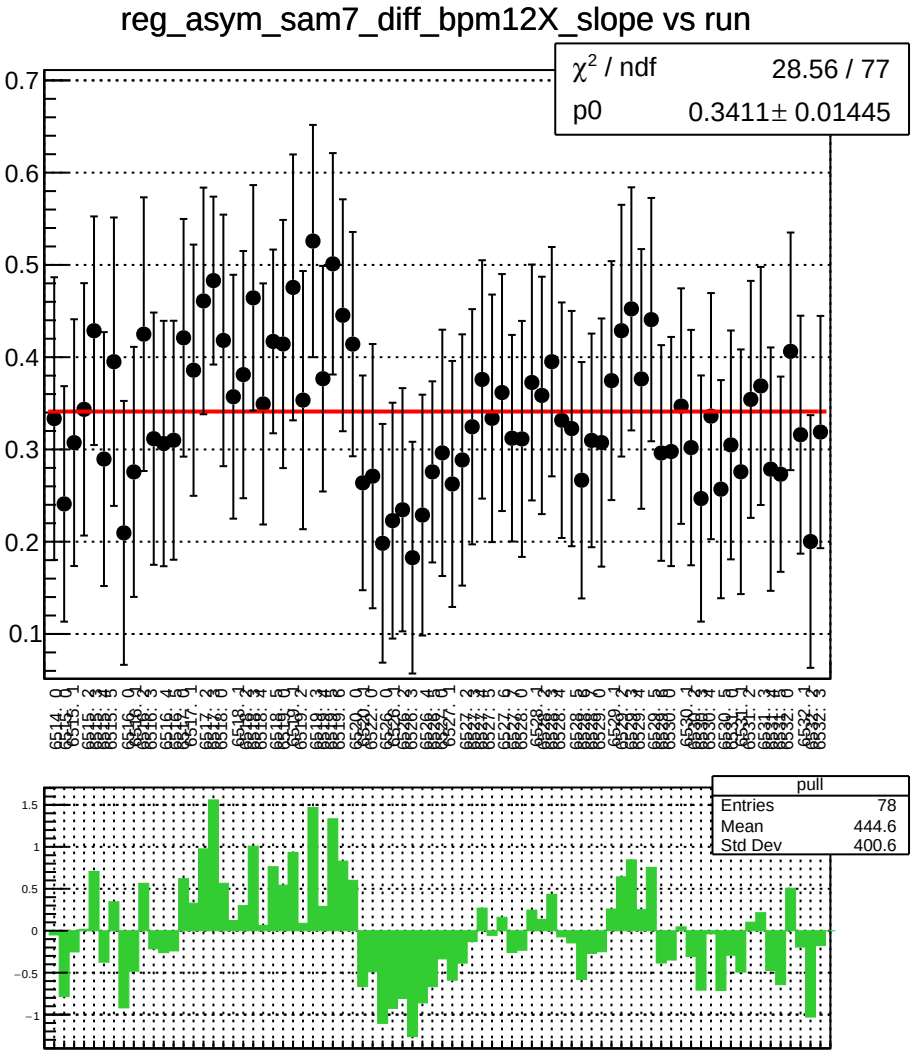

pull1D
Entries 78
Mean 0.901
Std Dev 2.4

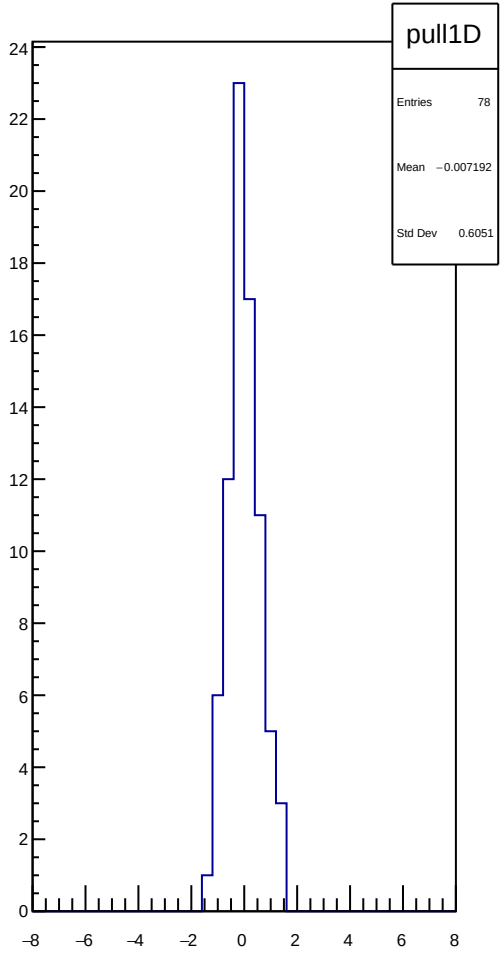

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 392.9 / 77
p0 −46.42 ± 0.3628
pull
Entries 78
Mean 159.9
Std Dev 121.1

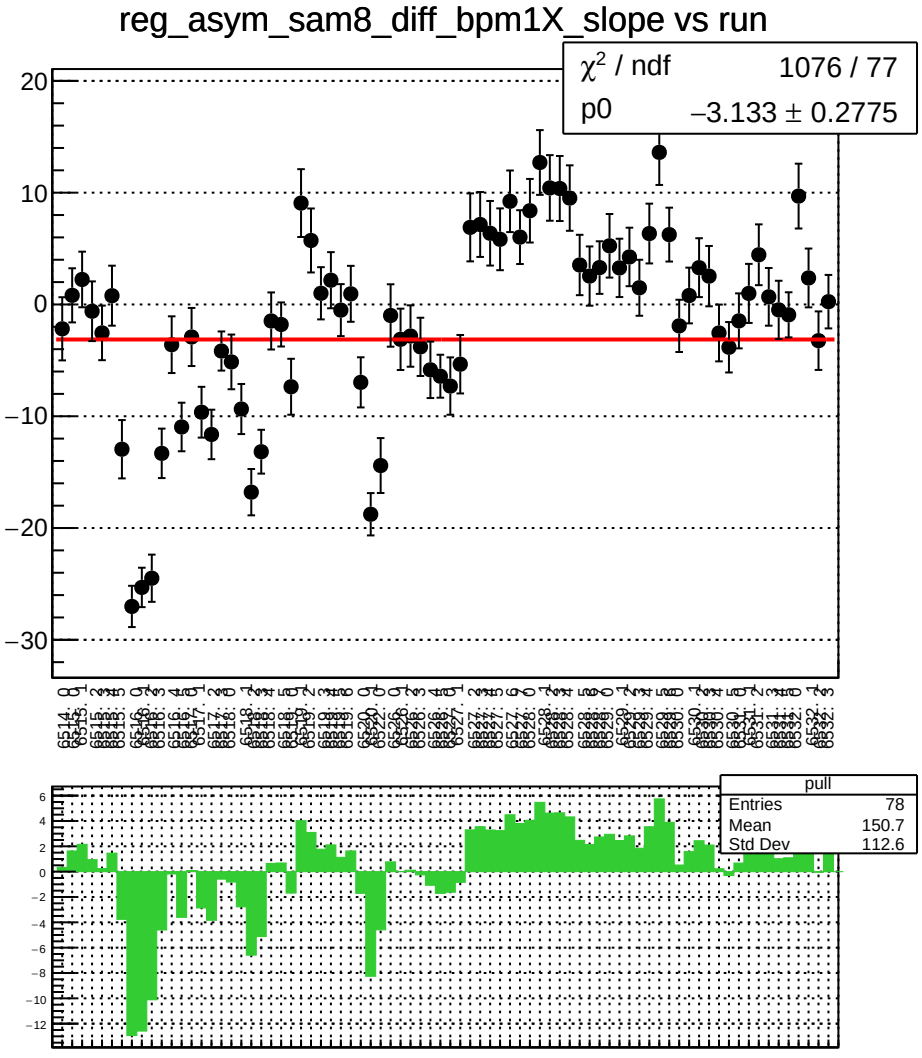

pull1D
Entries 78
Mean −0.2555
Std Dev 2.23

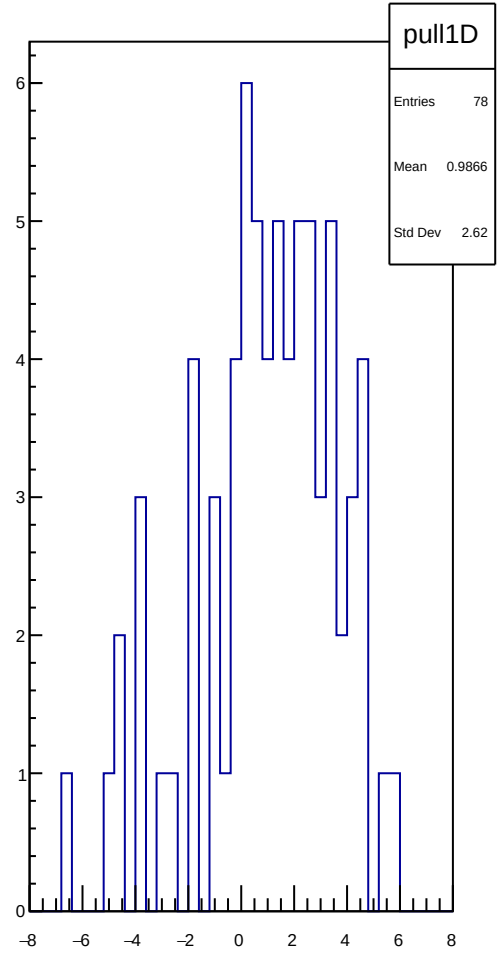

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 404.3 / 77
p0 −24.7 ± 0.3722
pull
Entries 78
Mean 105.3
Std Dev 62.42

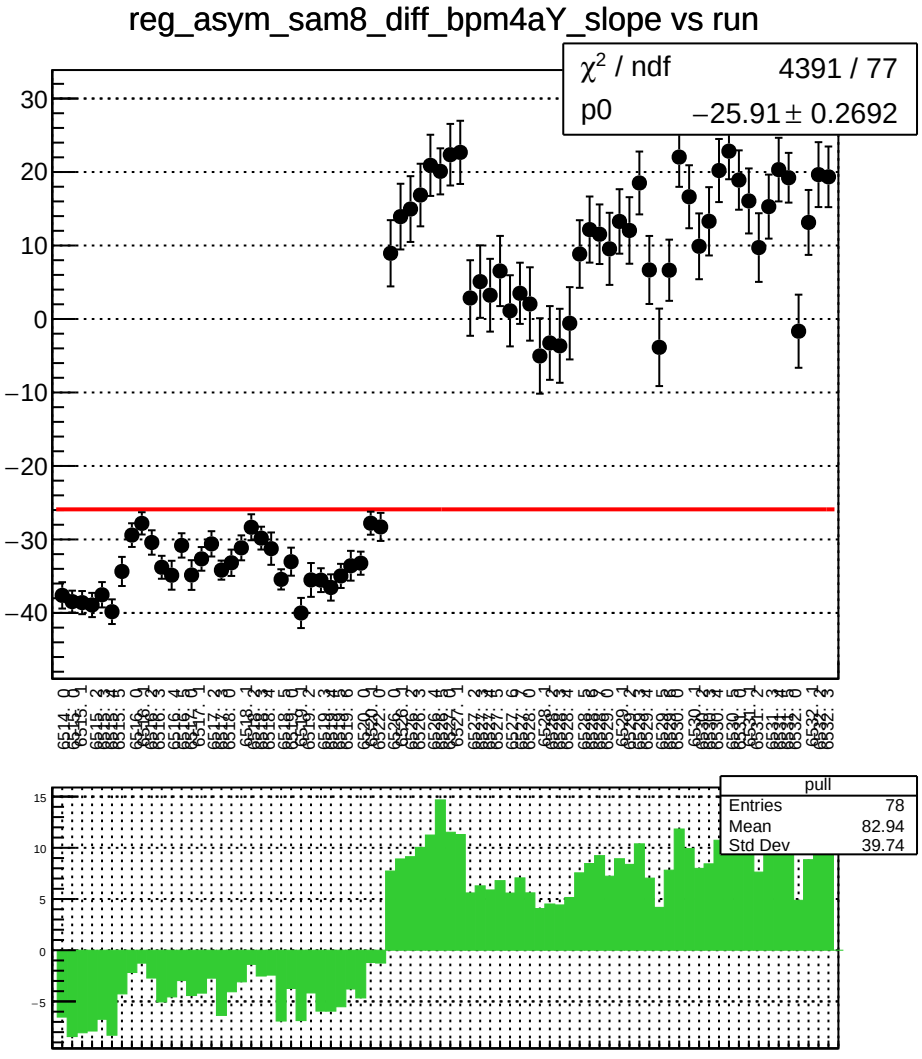

pull1D
Entries 78
Mean −0.5767
Std Dev 2.202

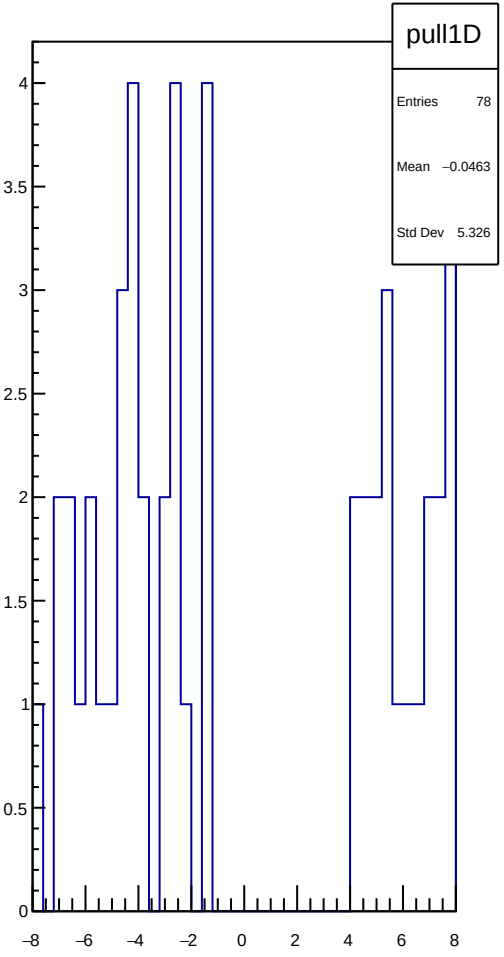

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 28.56 / 77
p0 0.3411± 0.01445
pull
Entries 78
Mean 444.6
Std Dev 400.6

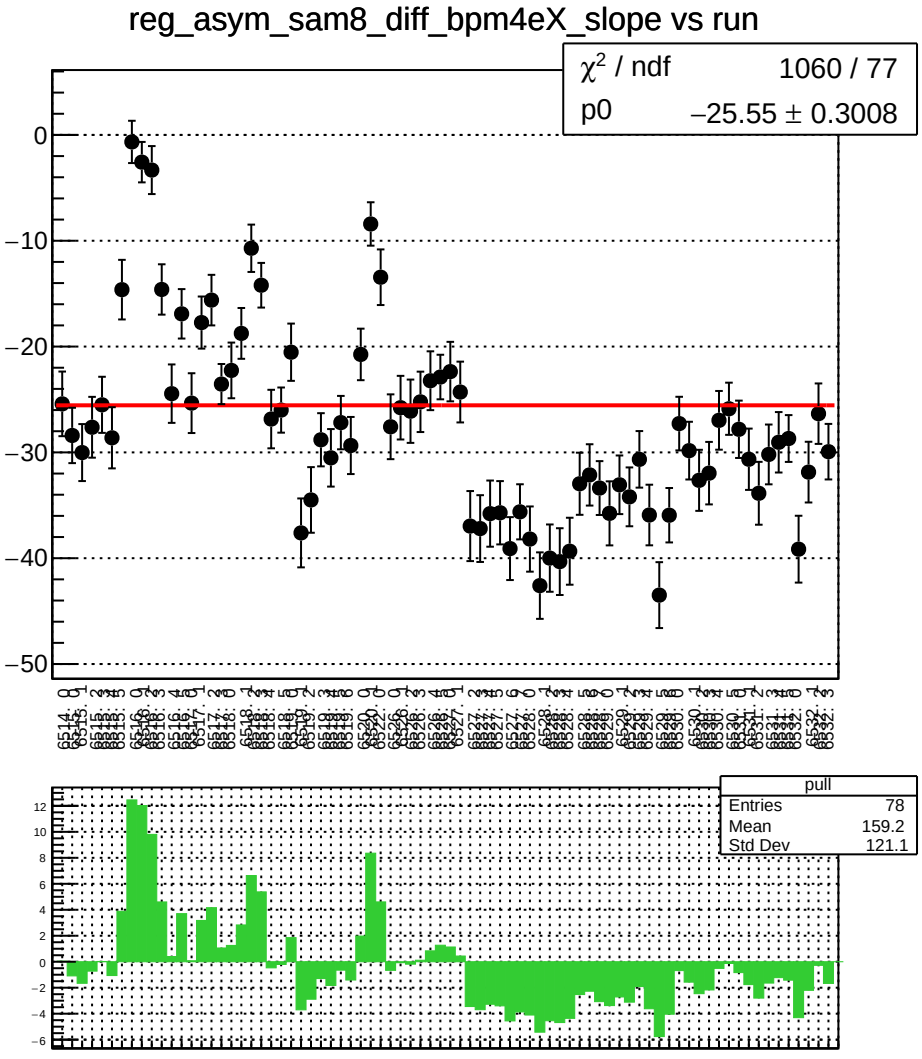

pull1D
Entries 78
Mean −0.007192
Std Dev 0.6051

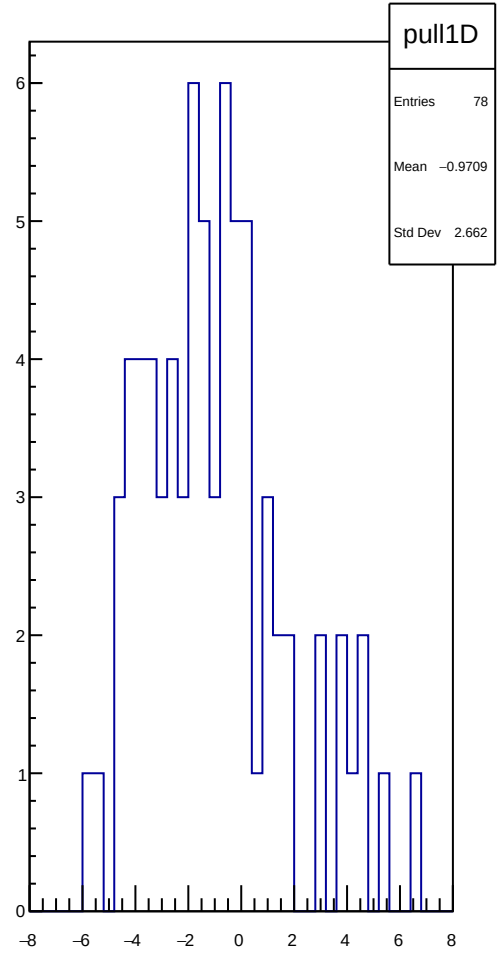

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 1076 / 77
p0 −3.133 ± 0.2775
pull
Entries 78
Mean 150.7
Std Dev 112.6

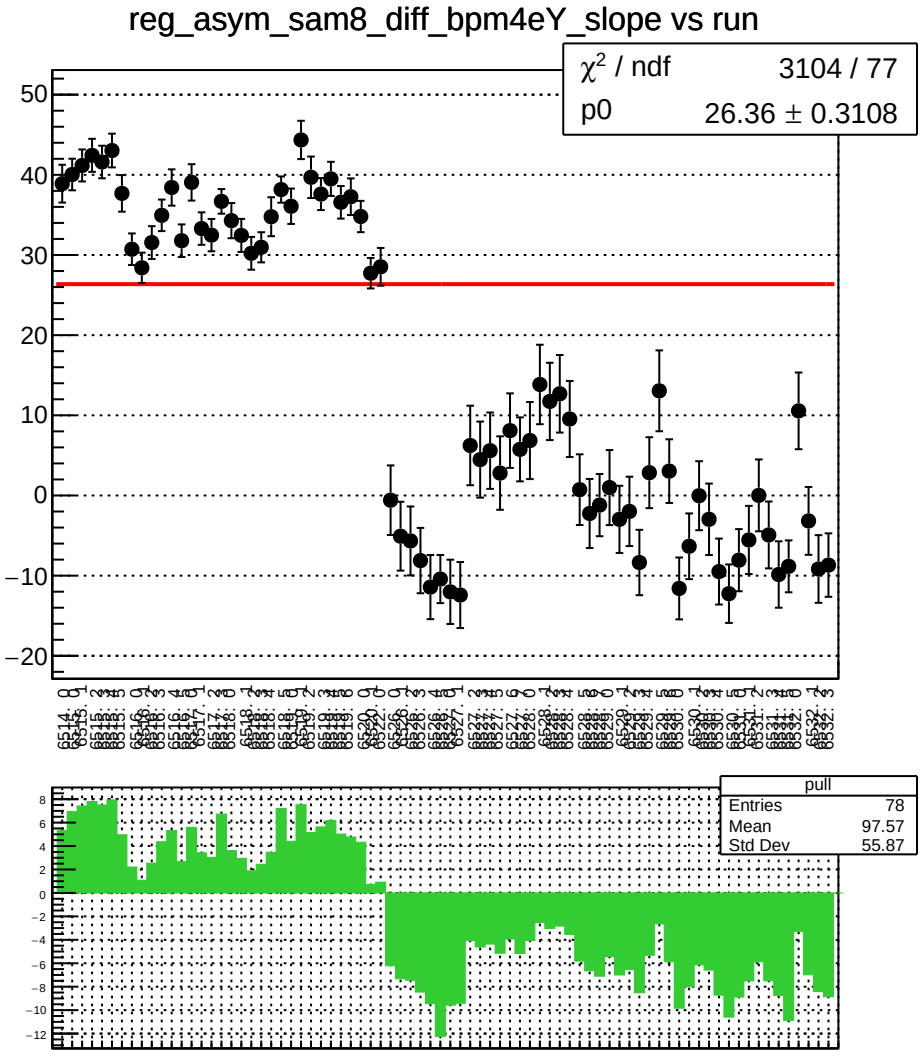

pull1D
Entries 78
Mean 0.9866
Std Dev 2.62

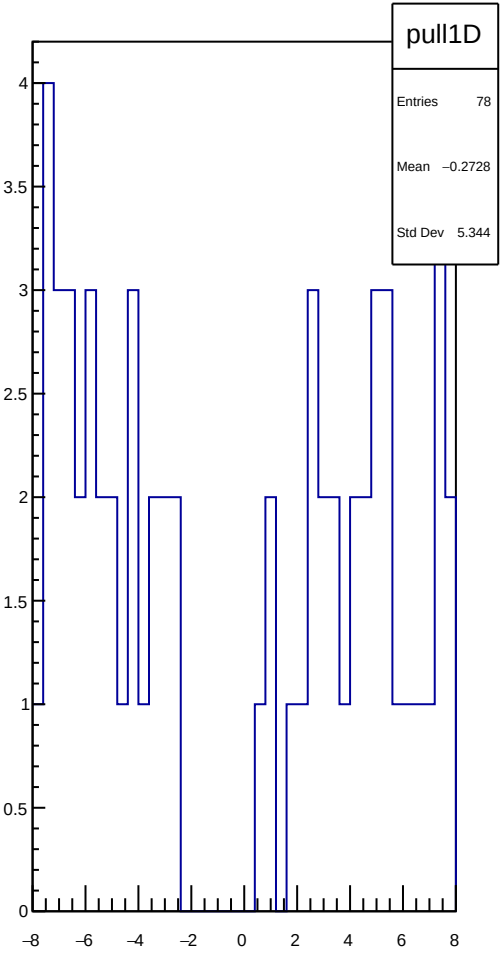

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 4391 / 77
p0 −25.91 ± 0.2692
pull
Entries 78
Mean 82.94
Std Dev 39.74

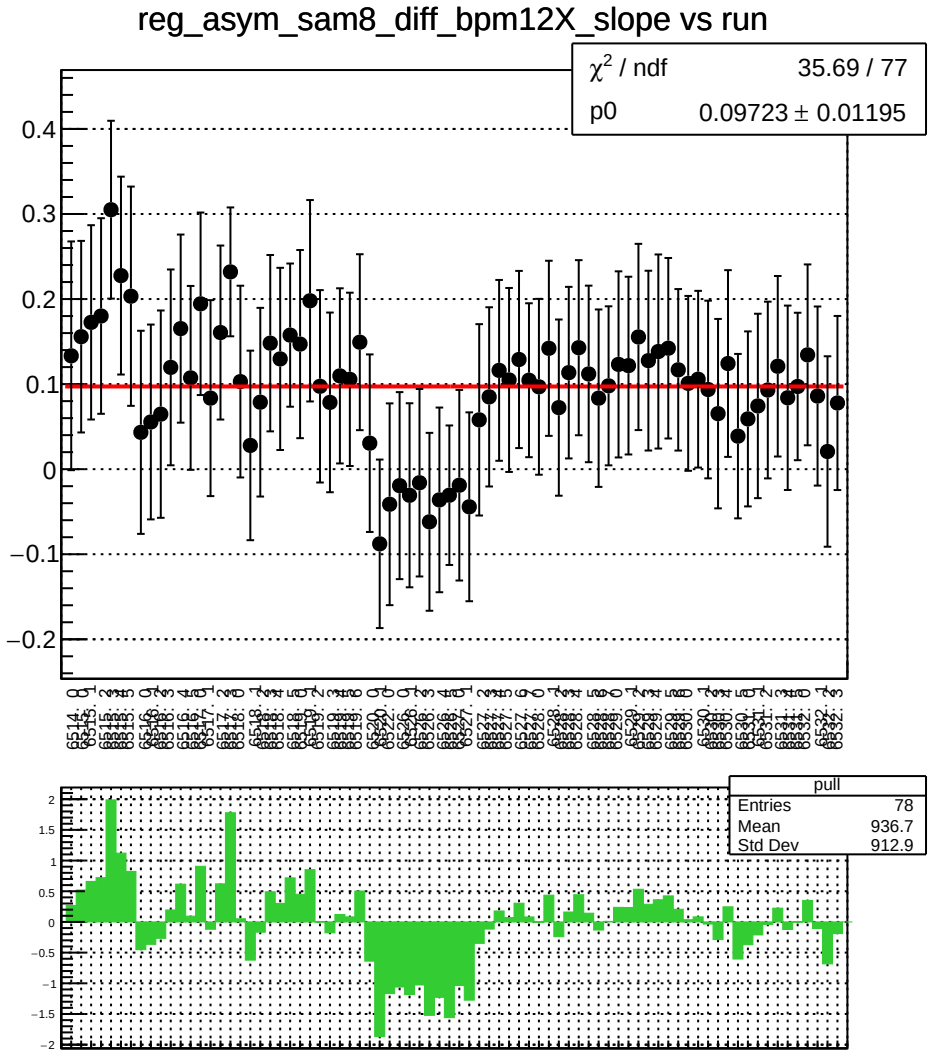

pull1D
Entries 78
Mean −0.0463
Std Dev 5.326

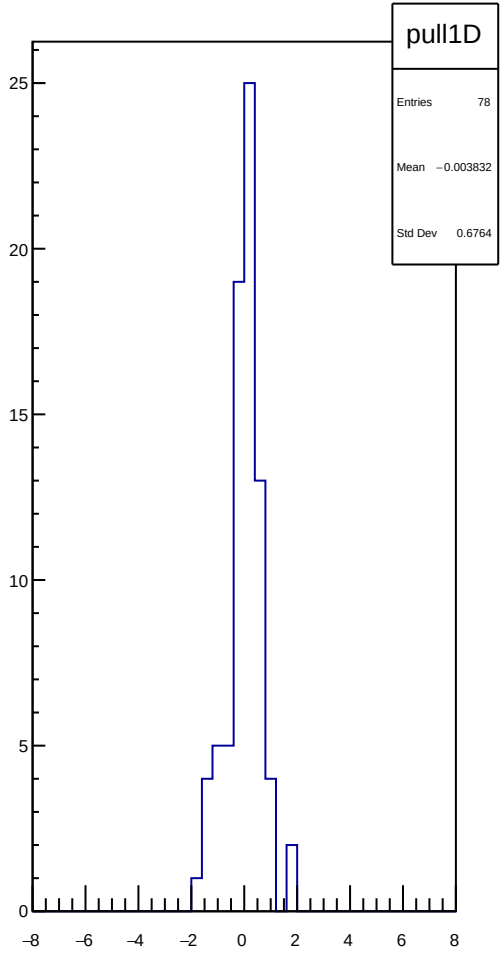

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 1060 / 77
p0 −25.55 ± 0.3008
pull
Entries 78
Mean 159.2
Std Dev 121.1

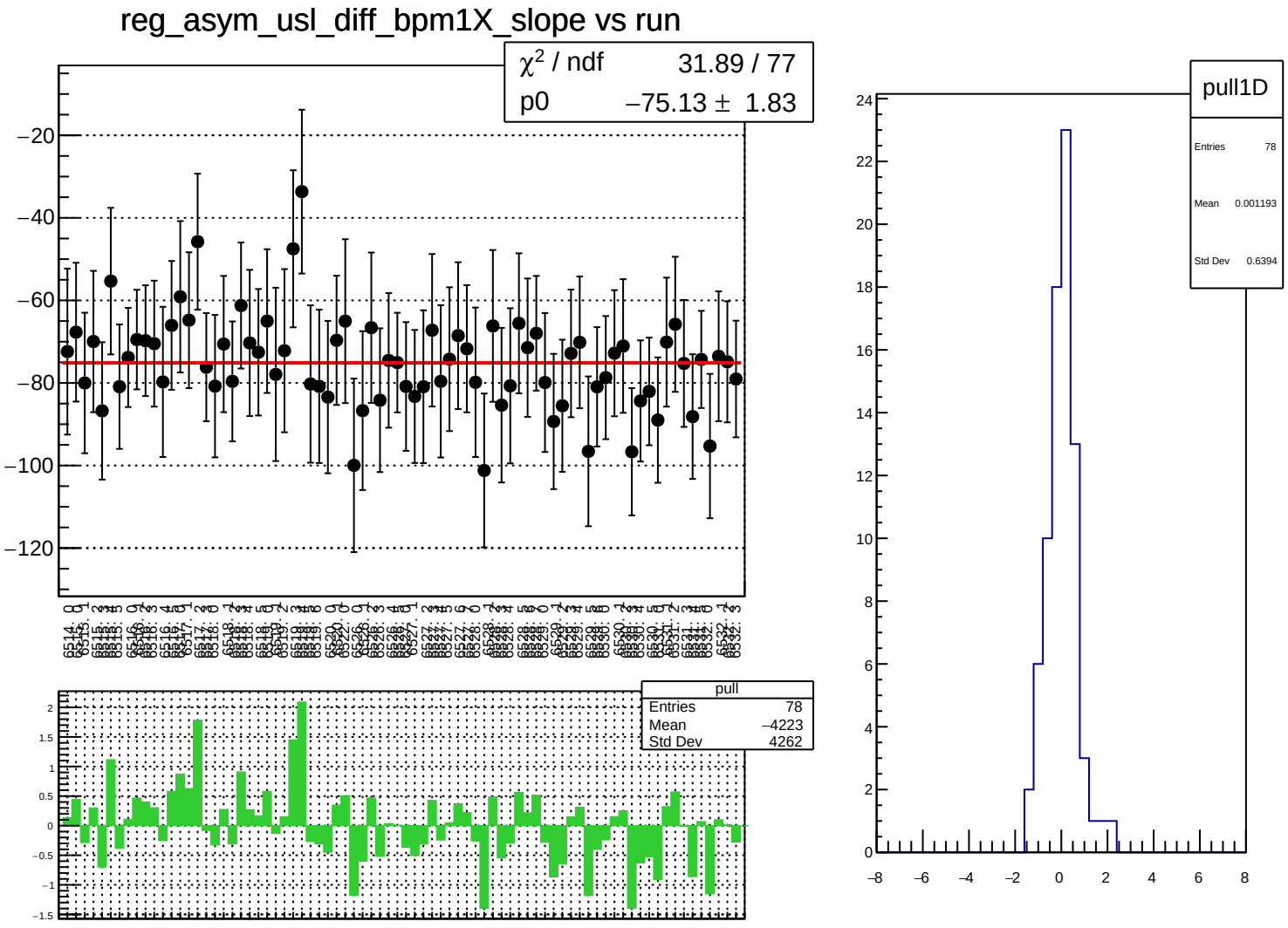

pull1D
Entries 78
Mean −0.9709
Std Dev 2.662

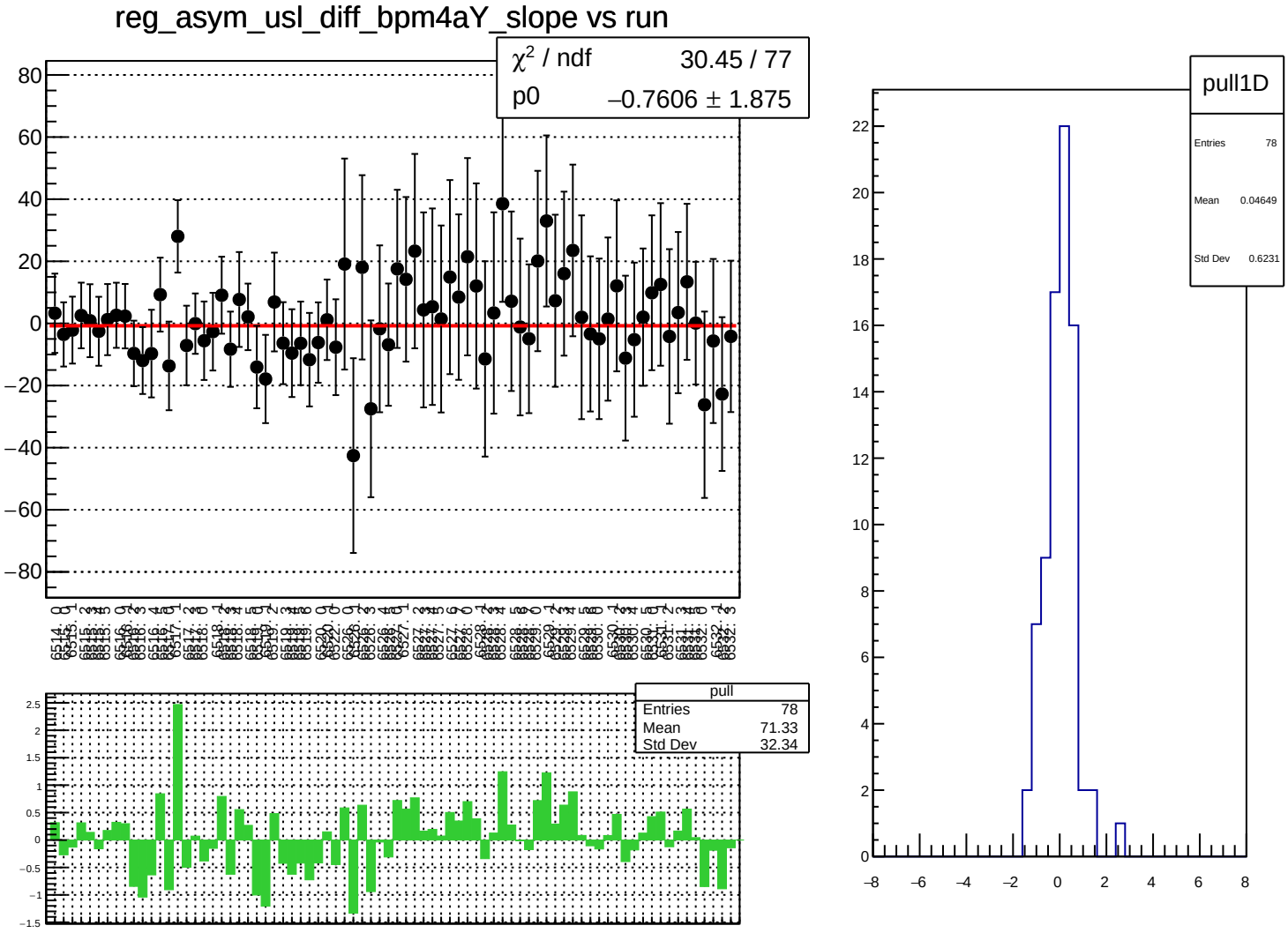

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 3104 / 77
p0 26.36 ± 0.3108
pull
Entries 78
Mean 97.57
Std Dev 55.87

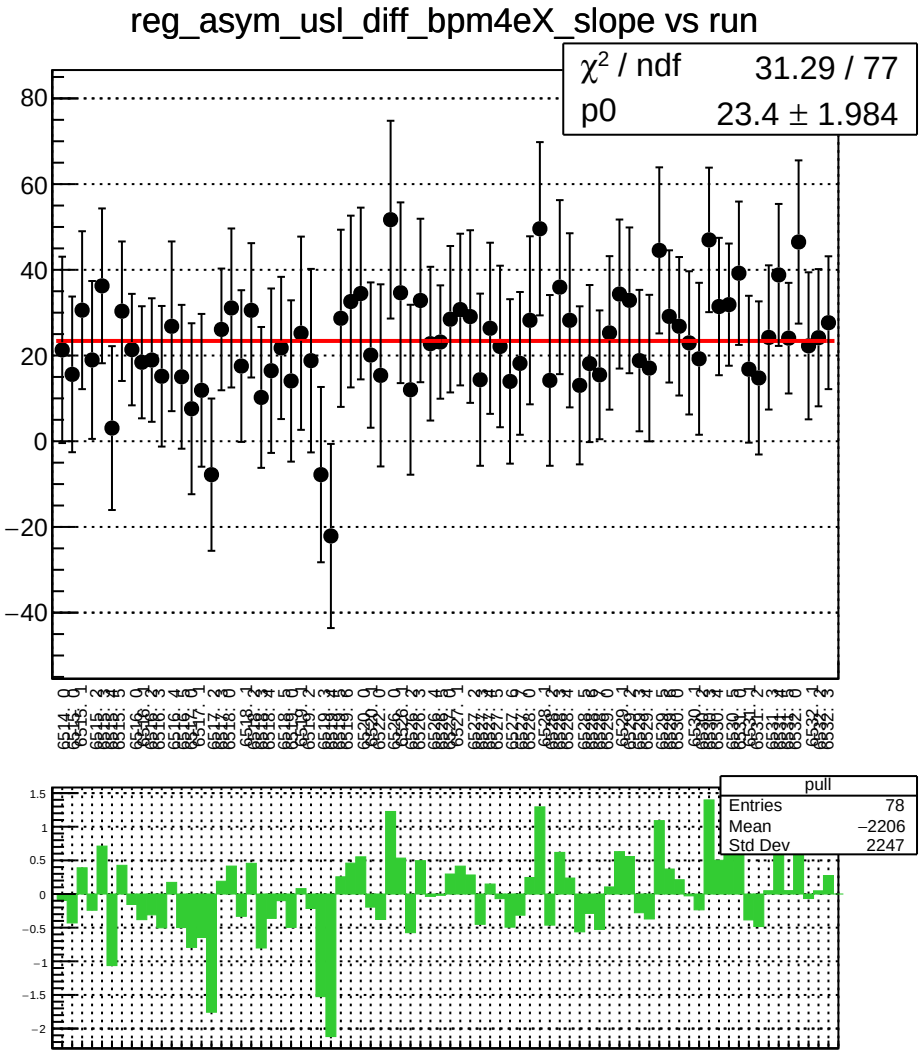

pull1D
Entries 78
Mean −0.2728
Std Dev 5.344

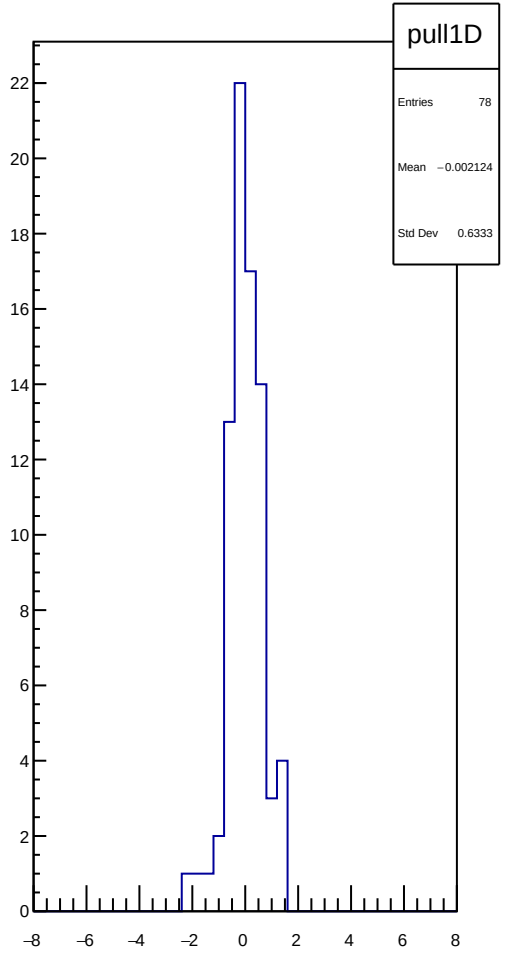

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 35.69 / 77
p0 0.09723 ± 0.01195
pull
Entries 78
Mean 936.7
Std Dev 912.9

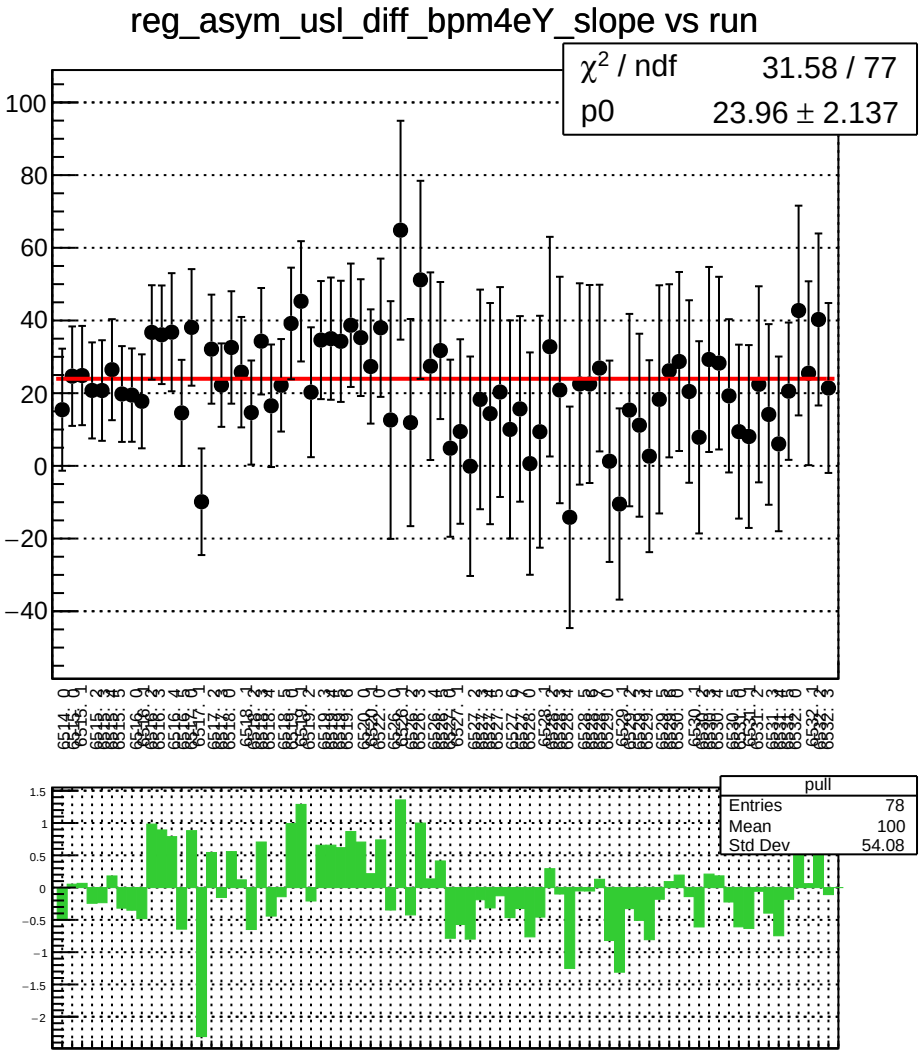

pull1D
Entries 78
Mean −0.003832
Std Dev 0.6764

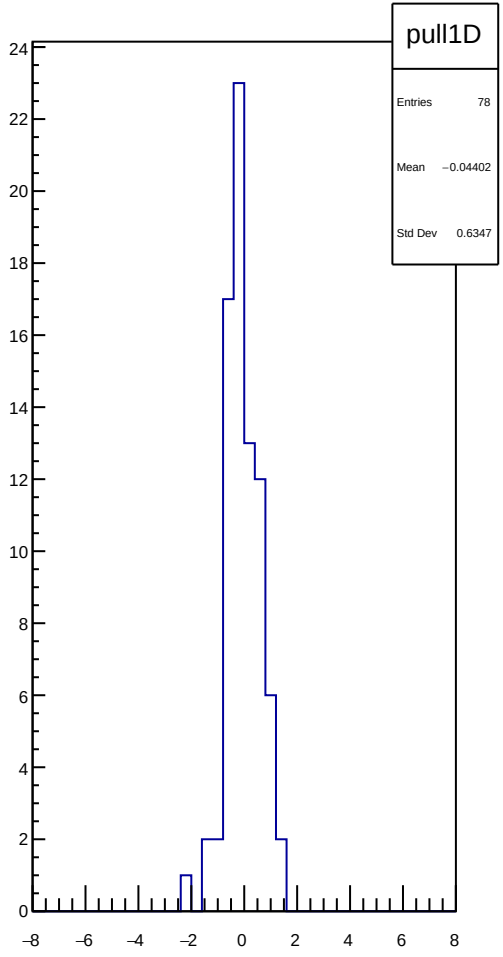

reg_asym_usl_diff_bpm1X_slope vs run
χ^2 / ndf 31.89 / 77
p0 −75.13 ± 1.83
pull
Entries 78
Mean −4223
Std Dev 4262
pull1D
Entries 78
Mean 0.001193
Std Dev 0.6394

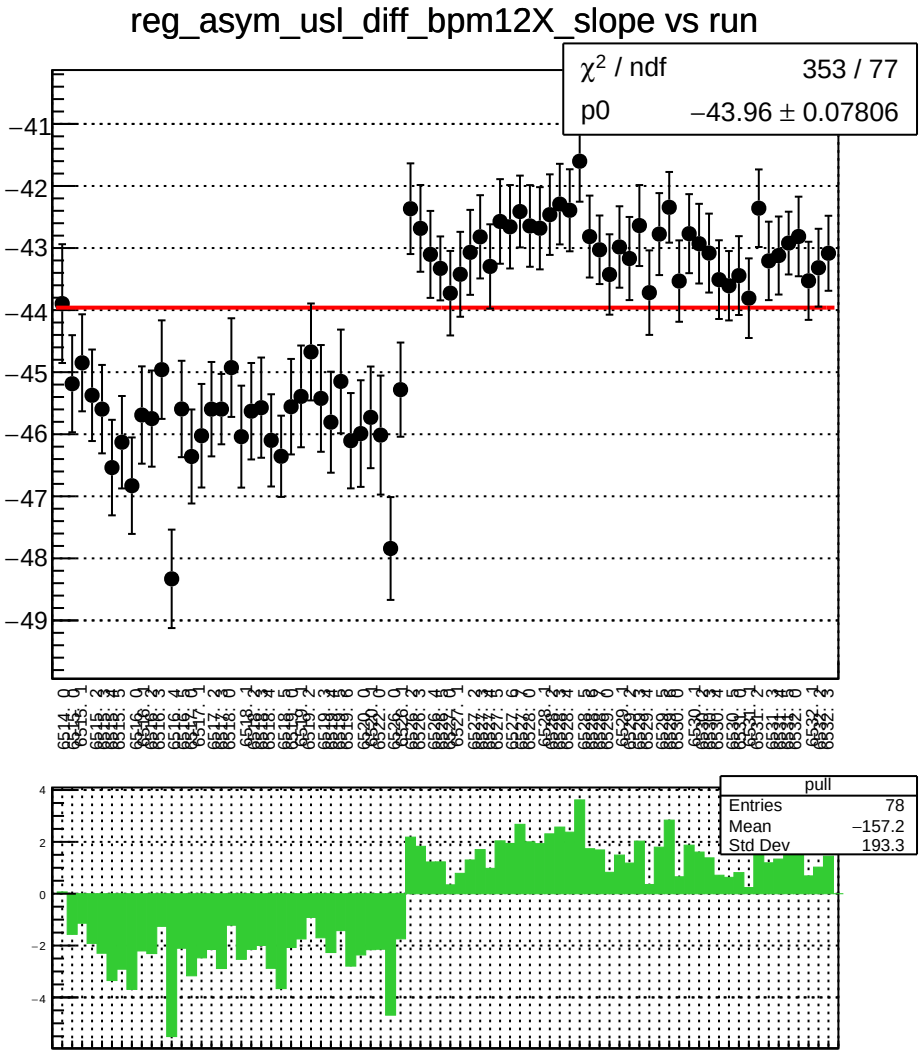

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 30.45 / 77
p0 −0.7606 ± 1.875
pull
Entries 78
Mean 71.33
Std Dev 32.34
pull1D
Entries 78
Mean 0.04649
Std Dev 0.6231

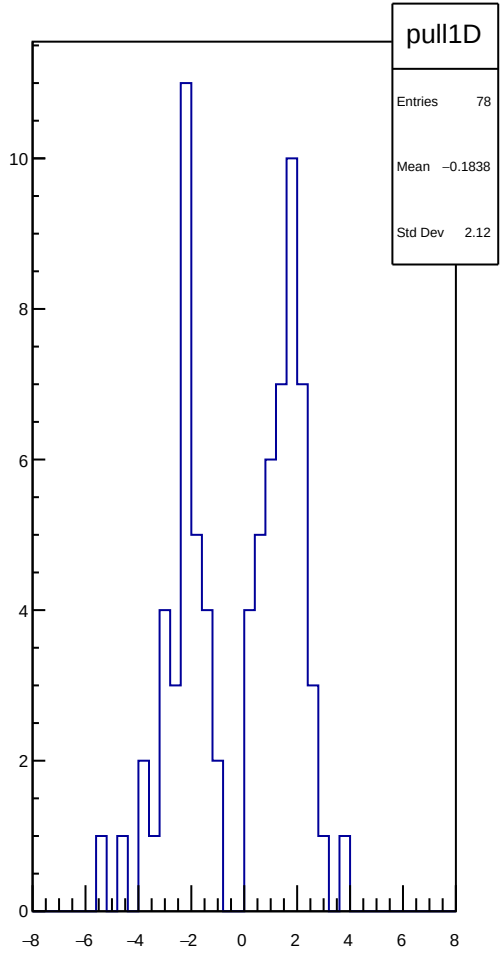

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 31.29 / 77
p0 23.4 ± 1.984
pull
Entries 78
Mean −2206
Std Dev 2247

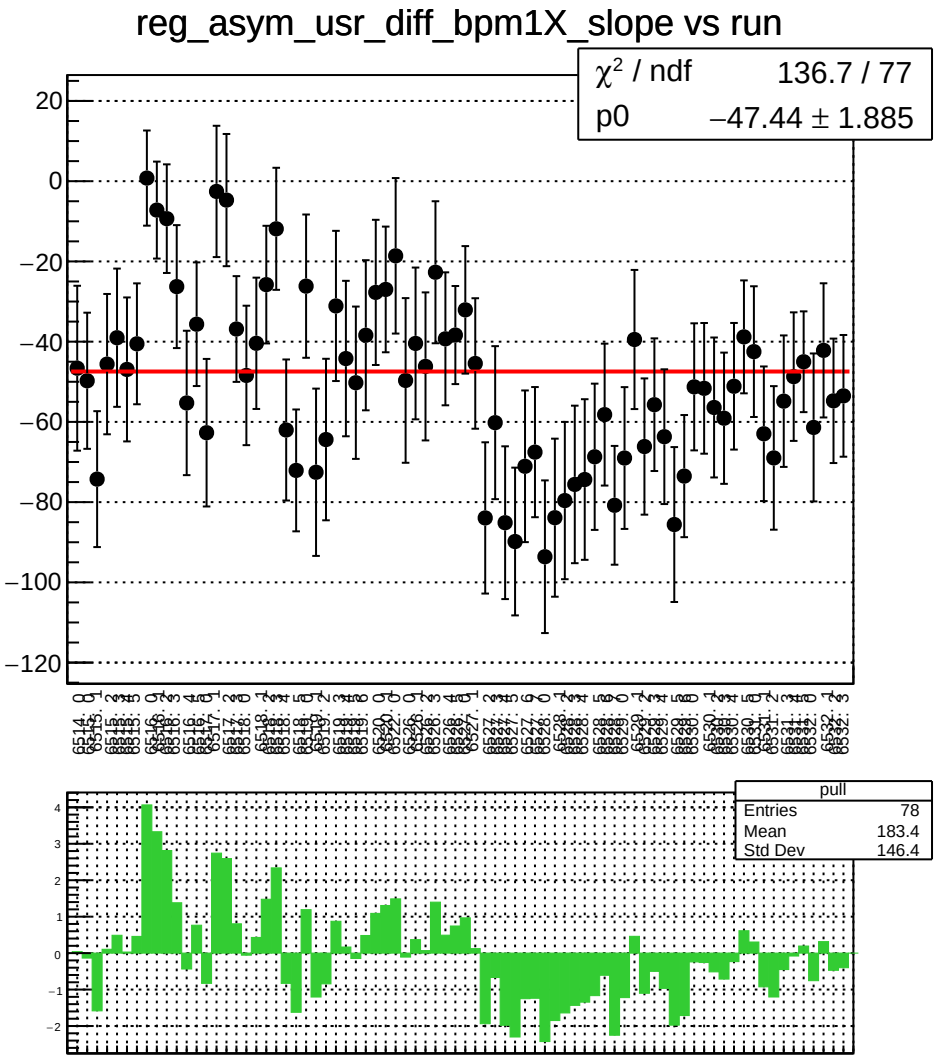

pull1D
Entries 78
Mean −0.002124
Std Dev 0.6333

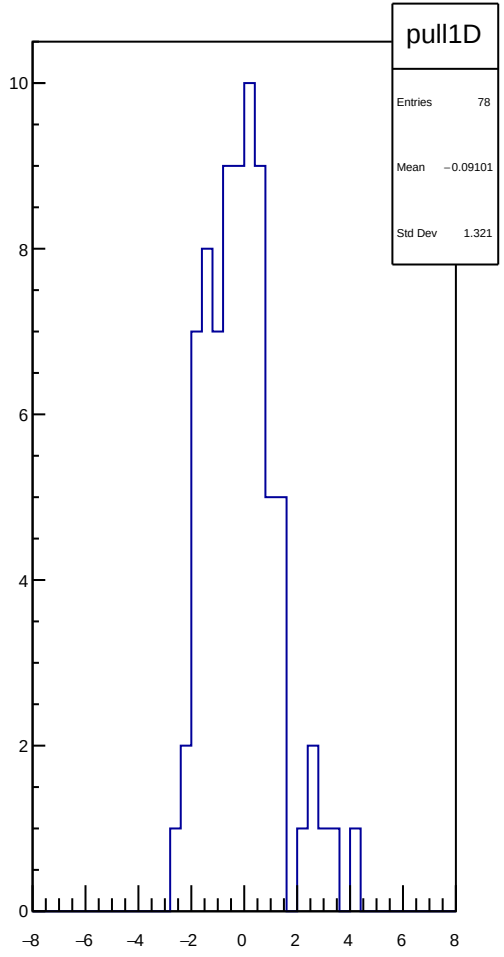

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 31.58 / 77
p0 23.96 ± 2.137
pull
Entries 78
Mean 100
Std Dev 54.08

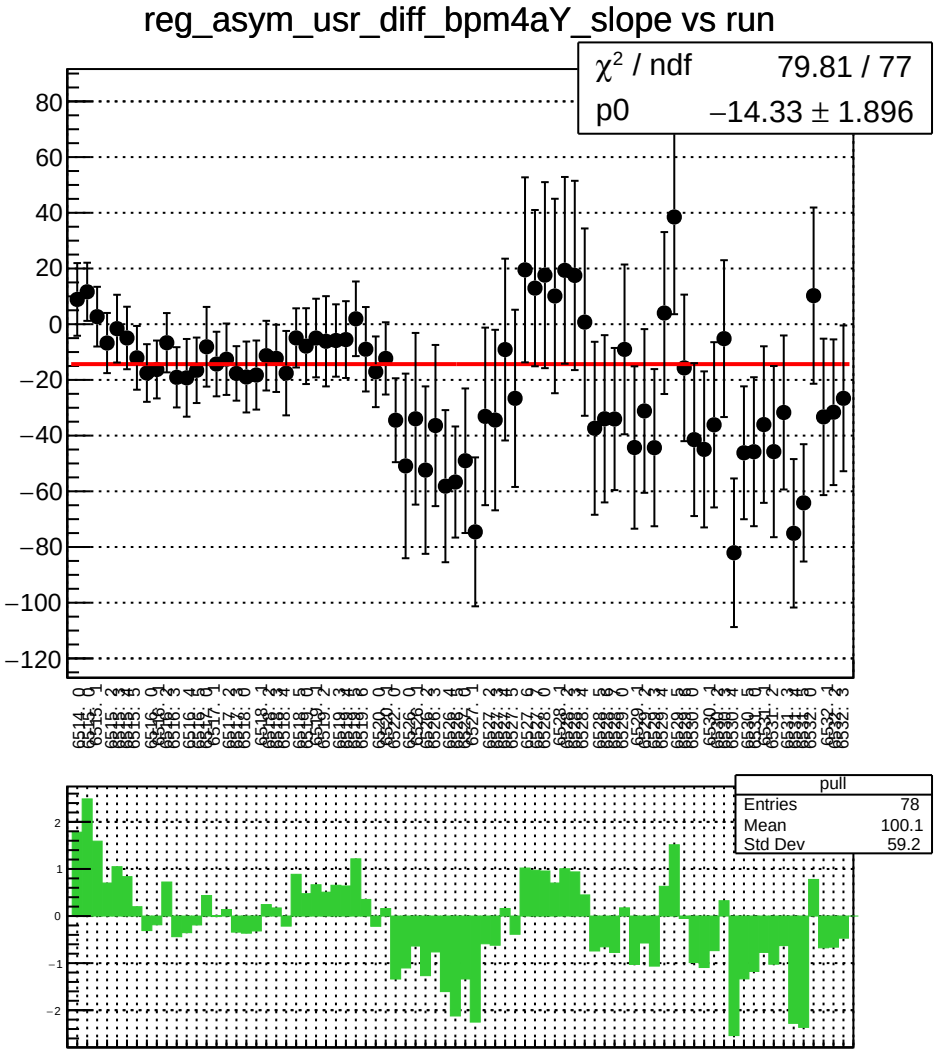

pull1D
Entries 78
Mean −0.04402
Std Dev 0.6347

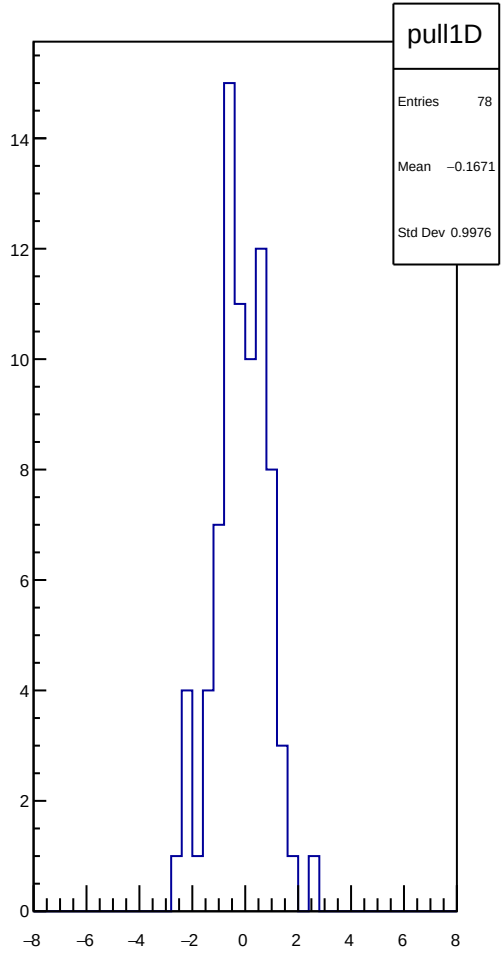

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 353 / 77
p0 −43.96 ± 0.07806
pull
Entries 78
Mean −157.2
Std Dev 193.3

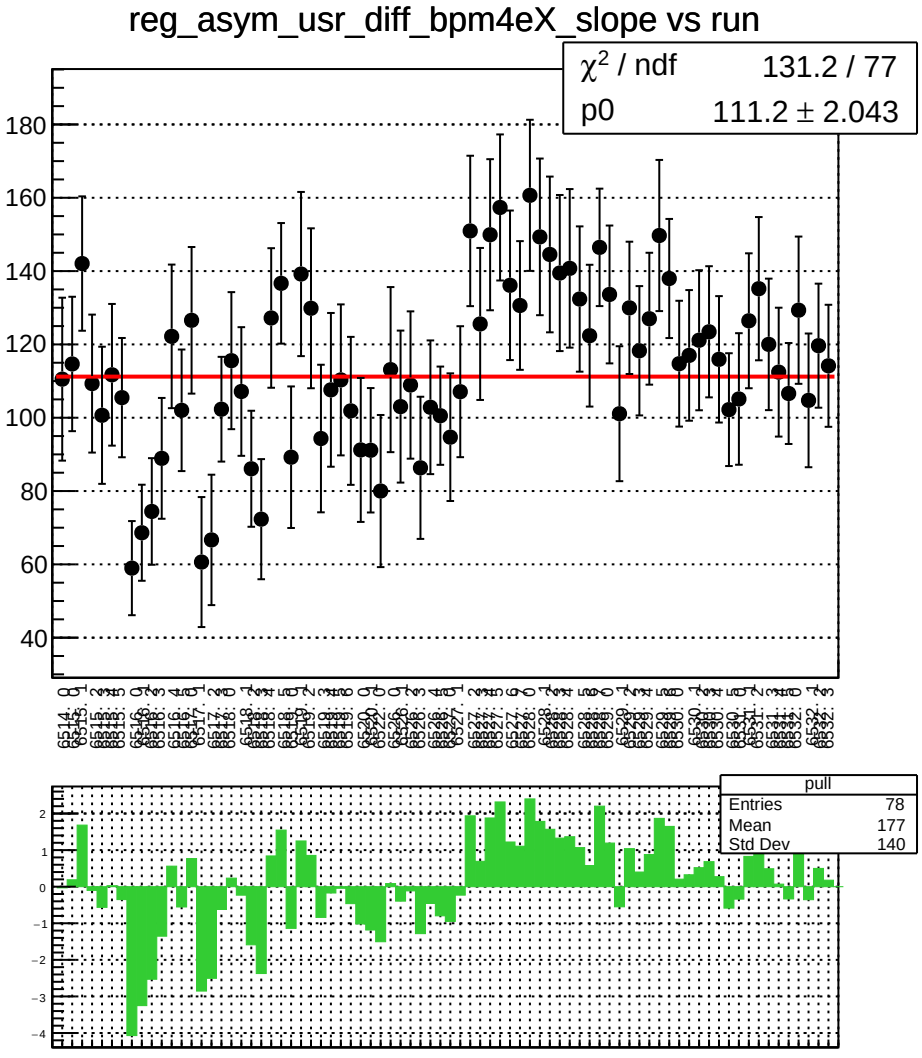

pull1D
Entries 78
Mean −0.1838
Std Dev 2.12

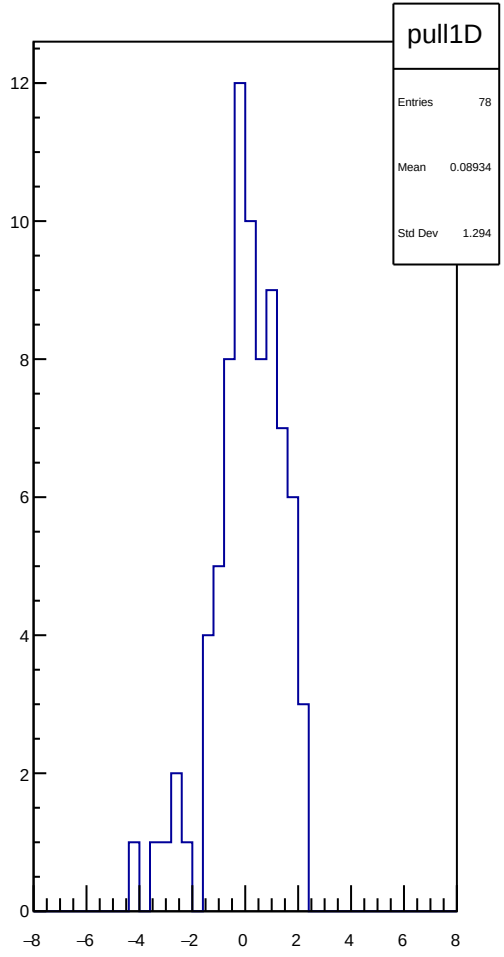

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 136.7 / 77
p0 −47.44 ± 1.885
pull
Entries 78
Mean 183.4
Std Dev 146.4

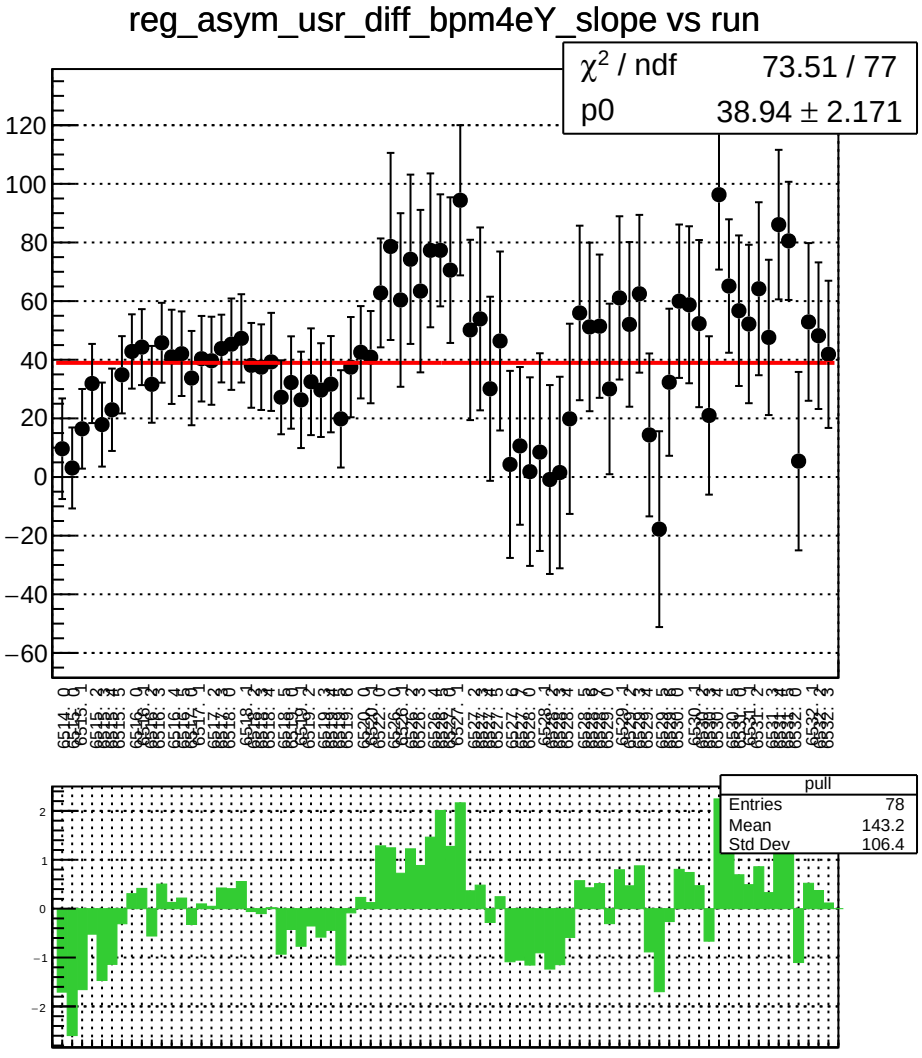

pull1D
Entries 78
Mean −0.09101
Std Dev 1.321

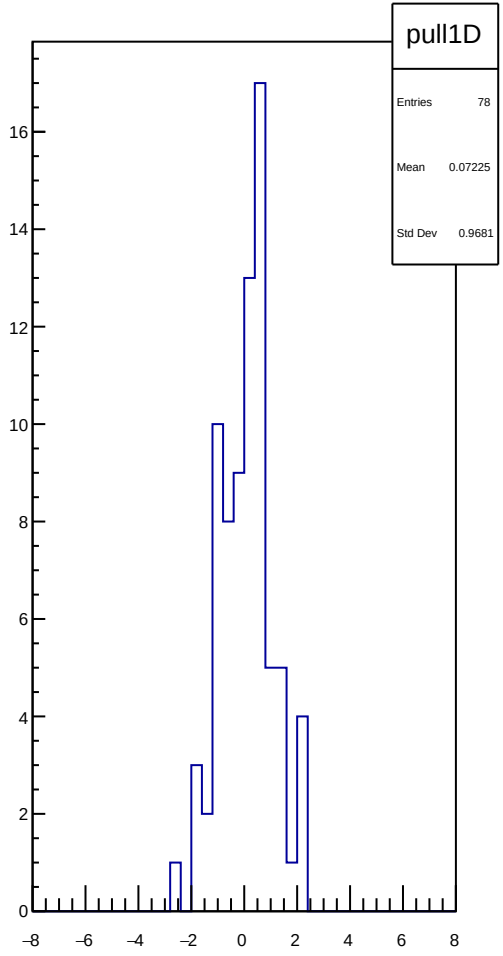

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 79.81 / 77
p0 −14.33 ± 1.896
pull
Entries 78
Mean 100.1
Std Dev 59.2

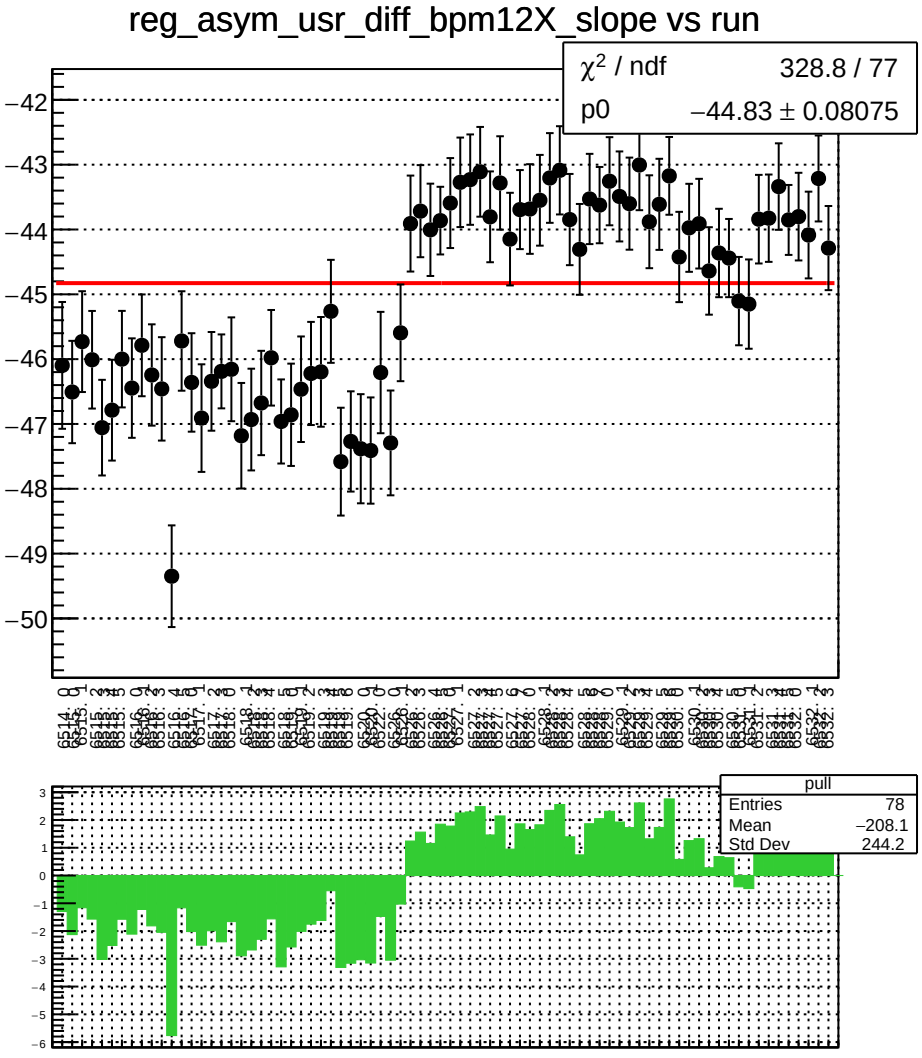

pull1D
Entries 78
Mean −0.1671
Std Dev 0.9976

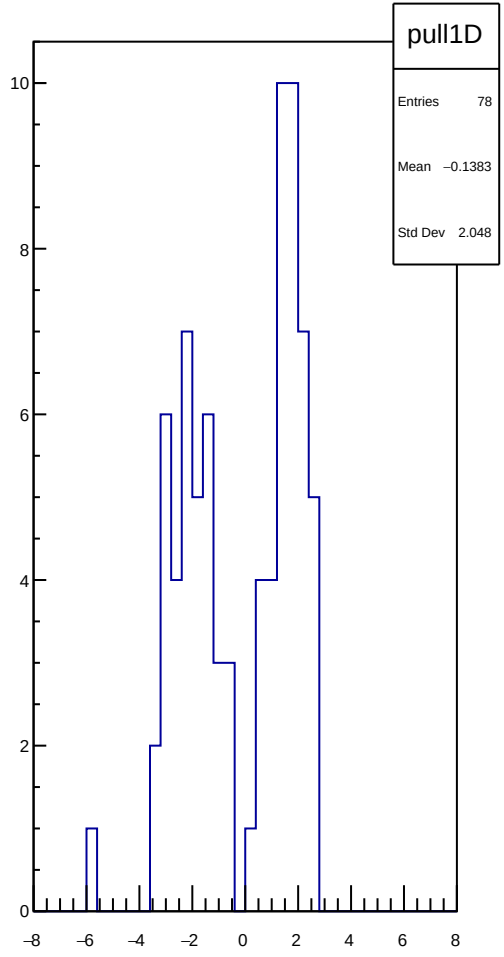

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 131.2 / 77
p0 111.2 ± 2.043
pull
Entries 78
Mean 177
Std Dev 140


pull1D
Entries 78
Mean 0.08934
Std Dev 1.294

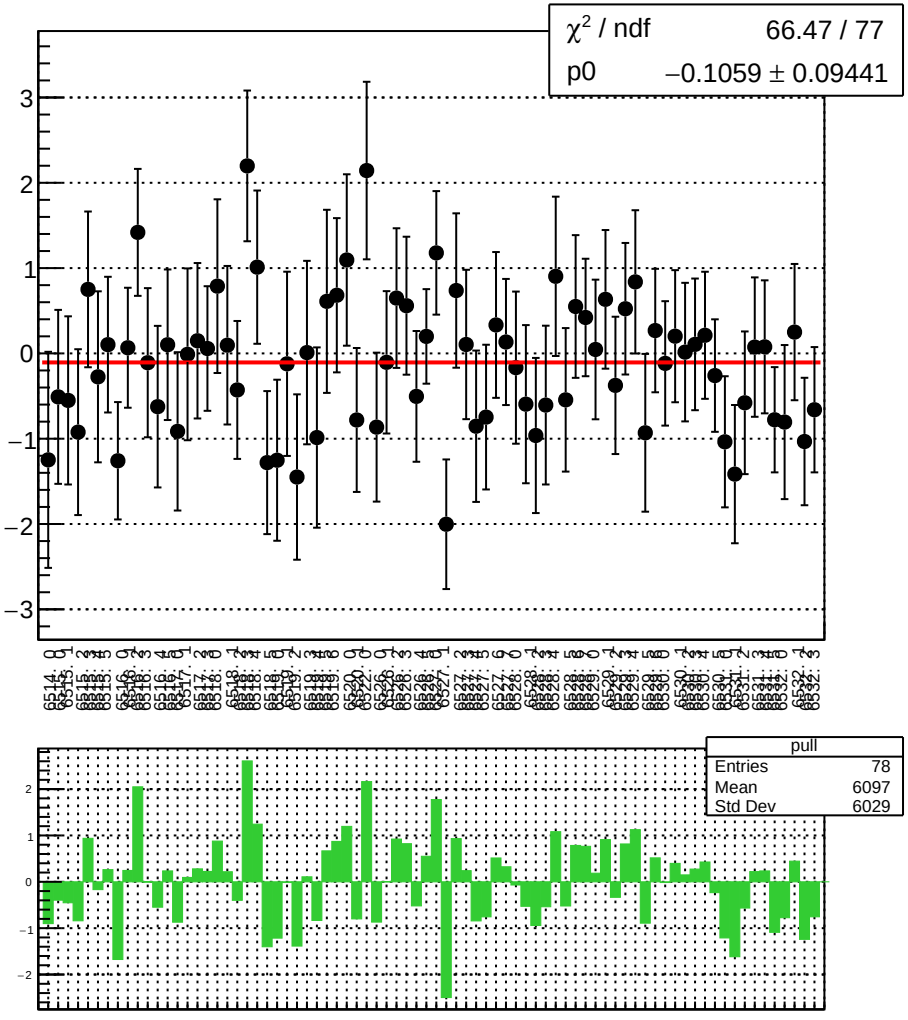

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 73.51 / 77
p0 38.94 ± 2.171
pull
Entries 78
Mean 143.2
Std Dev 106.4

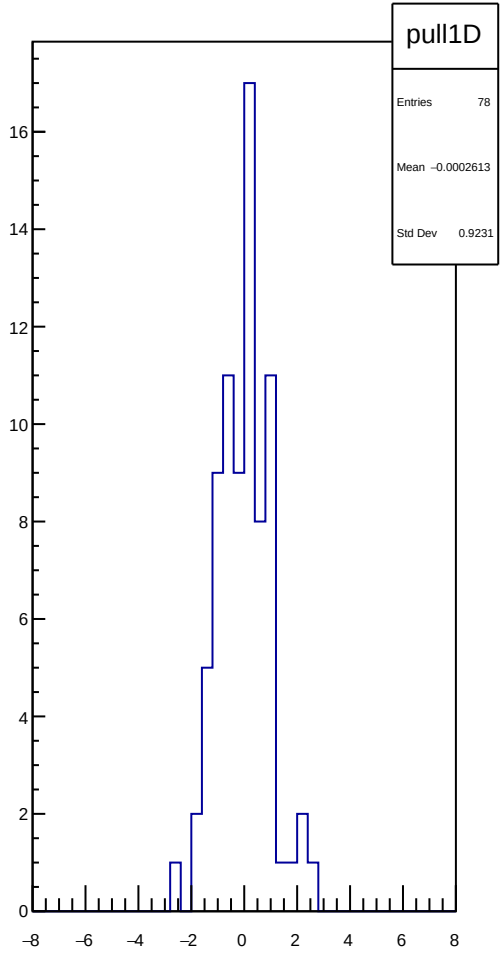

pull1D
Entries 78
Mean 0.07225
Std Dev 0.9681


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 328.8 / 77
p0 −44.83 ± 0.08075
pull
Entries 78
Mean −208.1
Std Dev 244.2

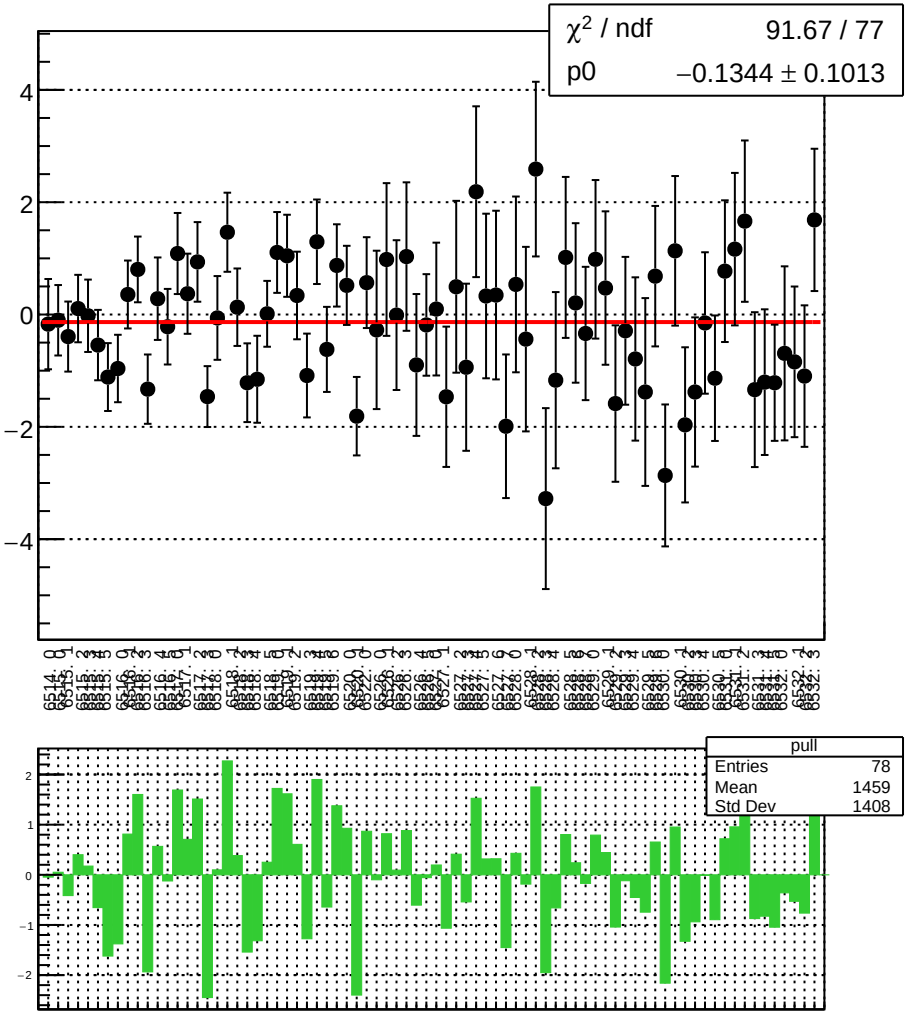

pull1D
Entries 78
Mean −0.1383
Std Dev 2.048

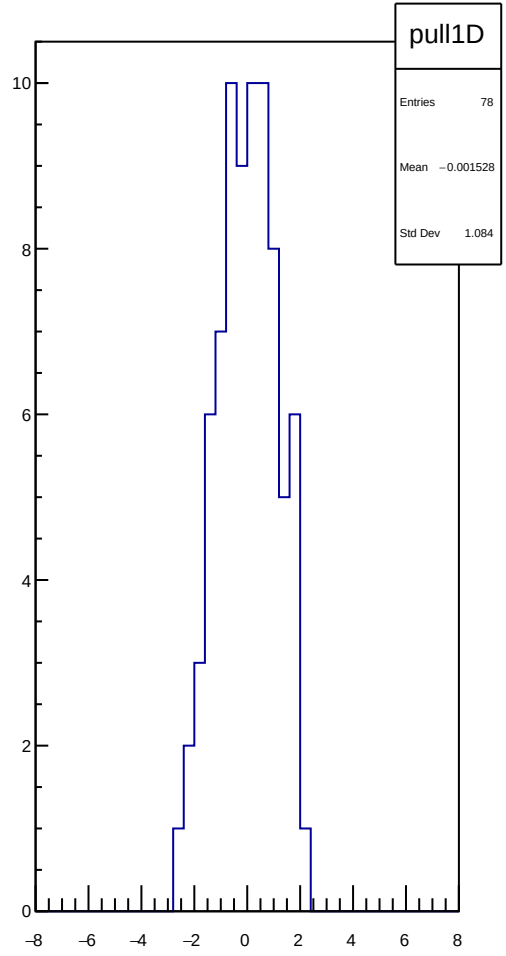
reg_asym_dsl_diff_bpm1X_slope vs run

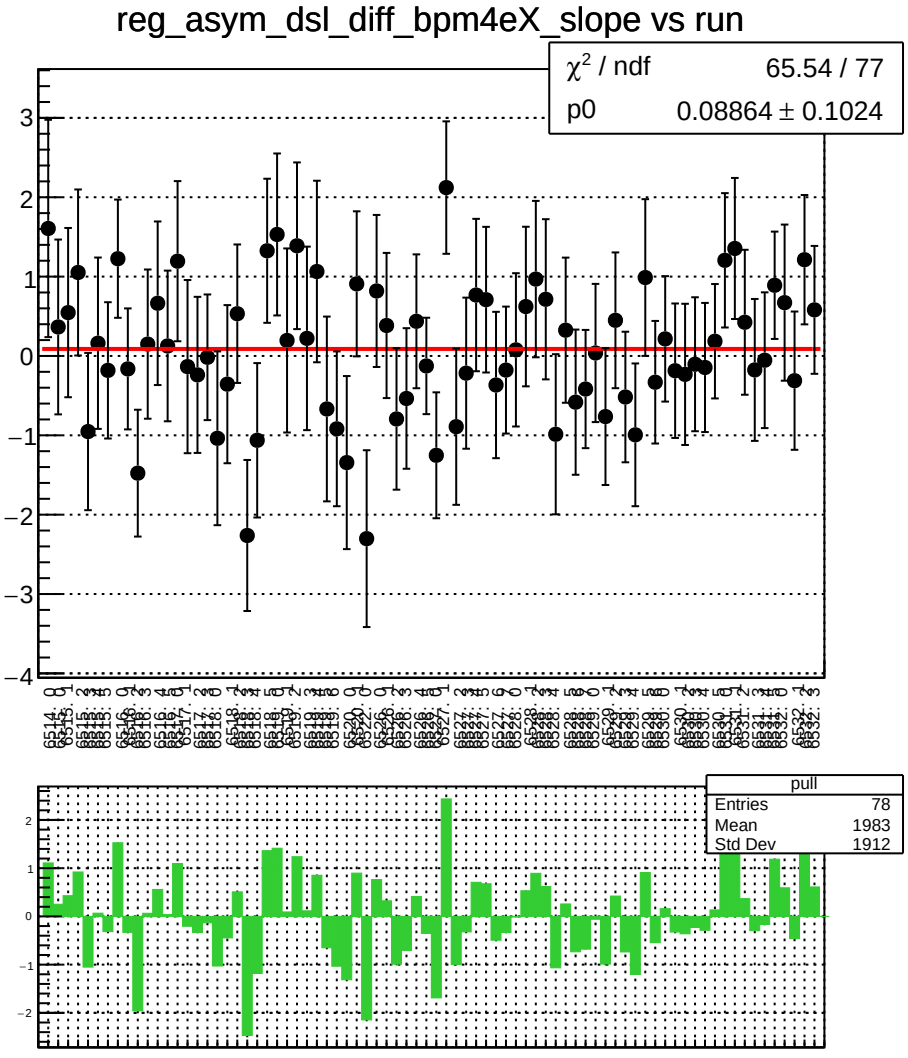


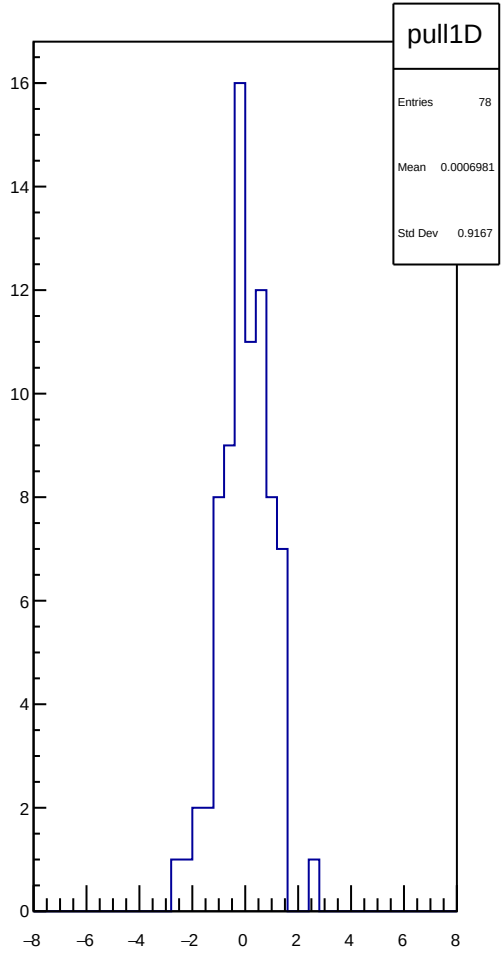


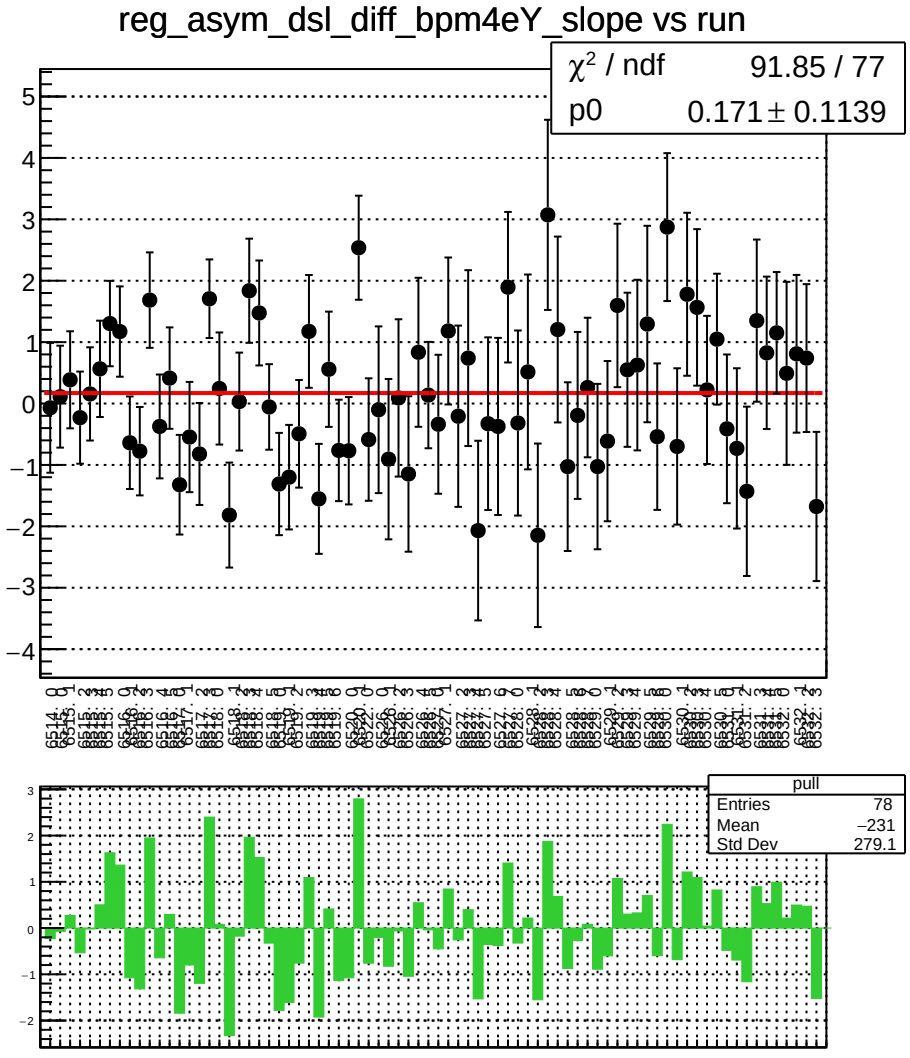
reg_asym_dsl_diff_bpm4aY_slope vs run

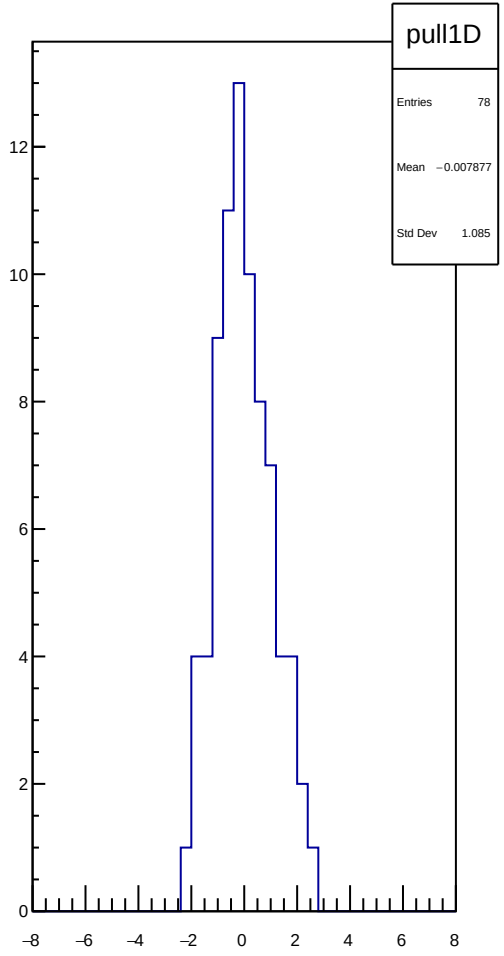


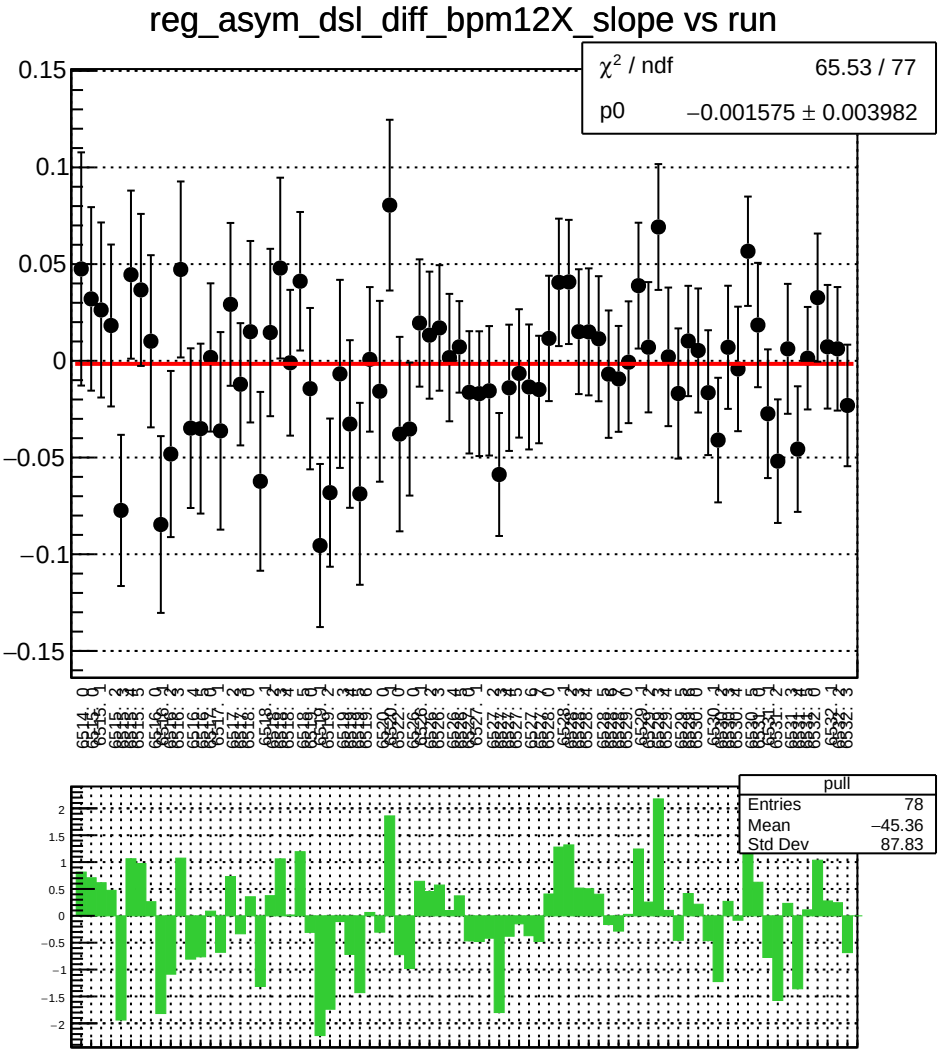


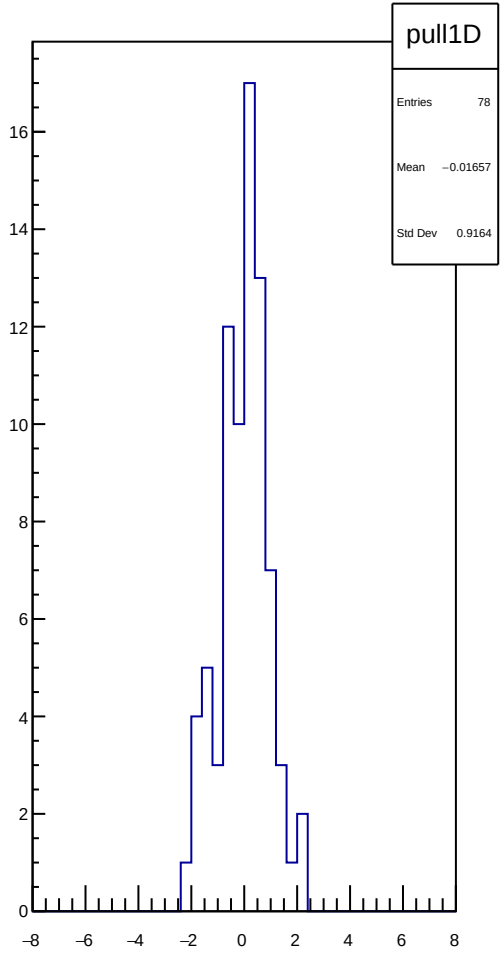

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 65.54 / 77
p0 0.08864 ± 0.1024
pull
Entries 78
Mean 1983
Std Dev 1912

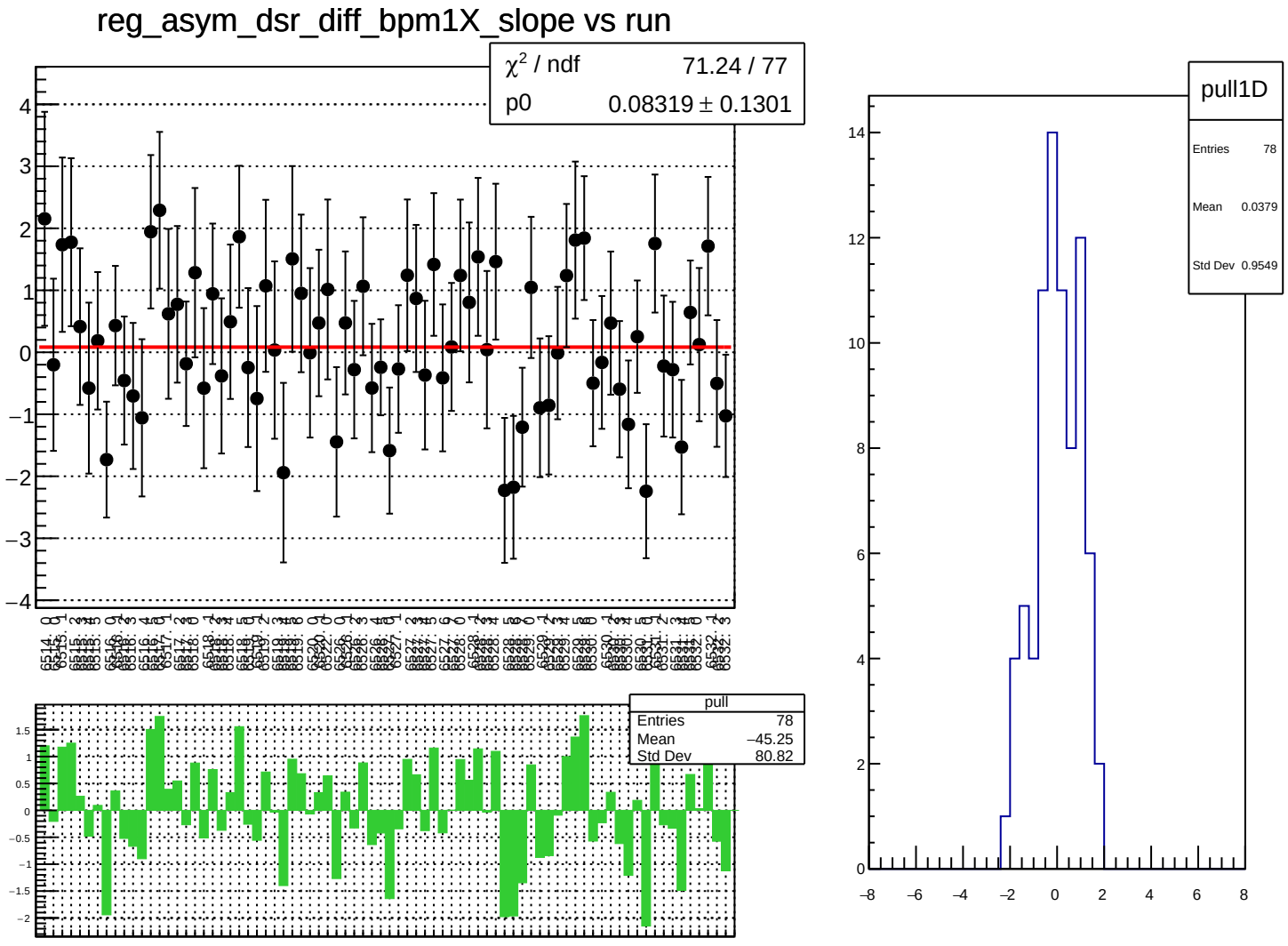

pull1D
Entries 78
Mean 0.0006981
Std Dev 0.9167


reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 91.85 / 77
p0 0.171 ± 0.1139
pull
Entries 78
Mean −231
Std Dev 279.1

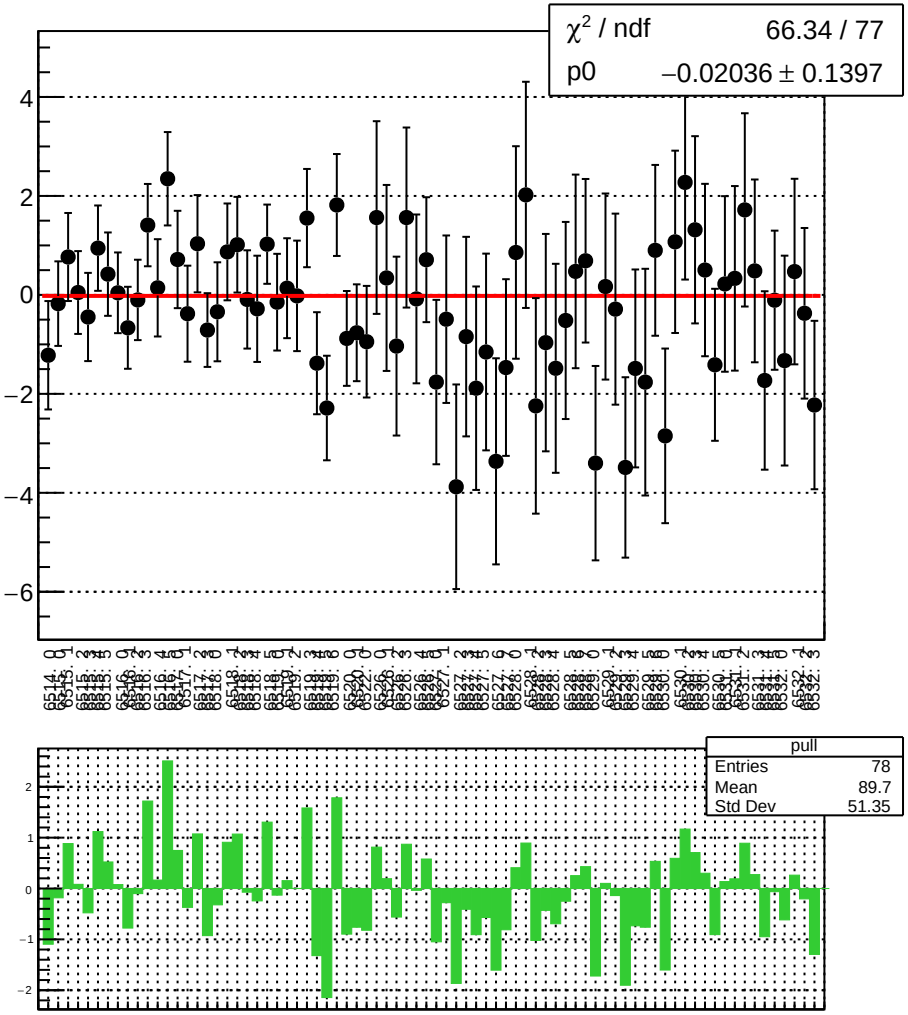

pull1D
Entries 78
Mean −0.007877
Std Dev 1.085

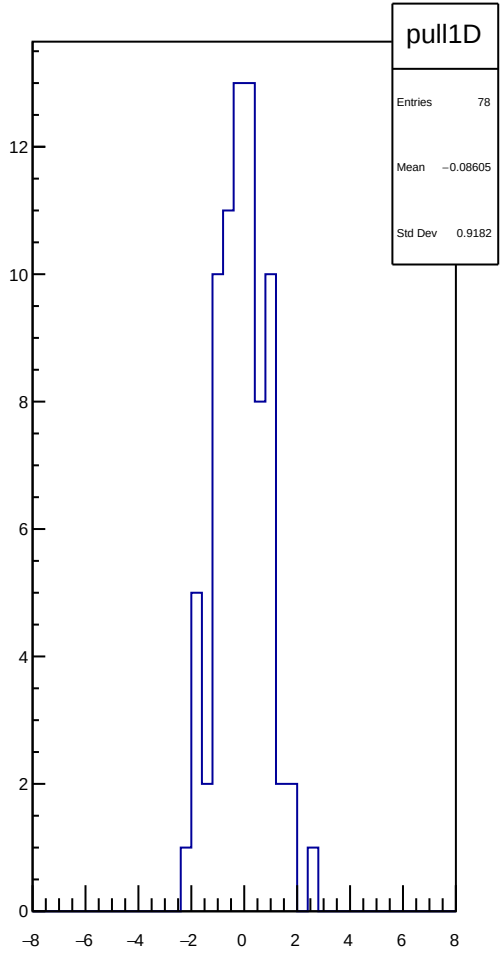

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 65.53 / 77
p0 −0.001575 ± 0.003982
pull
Entries 78
Mean −45.36
Std Dev 87.83

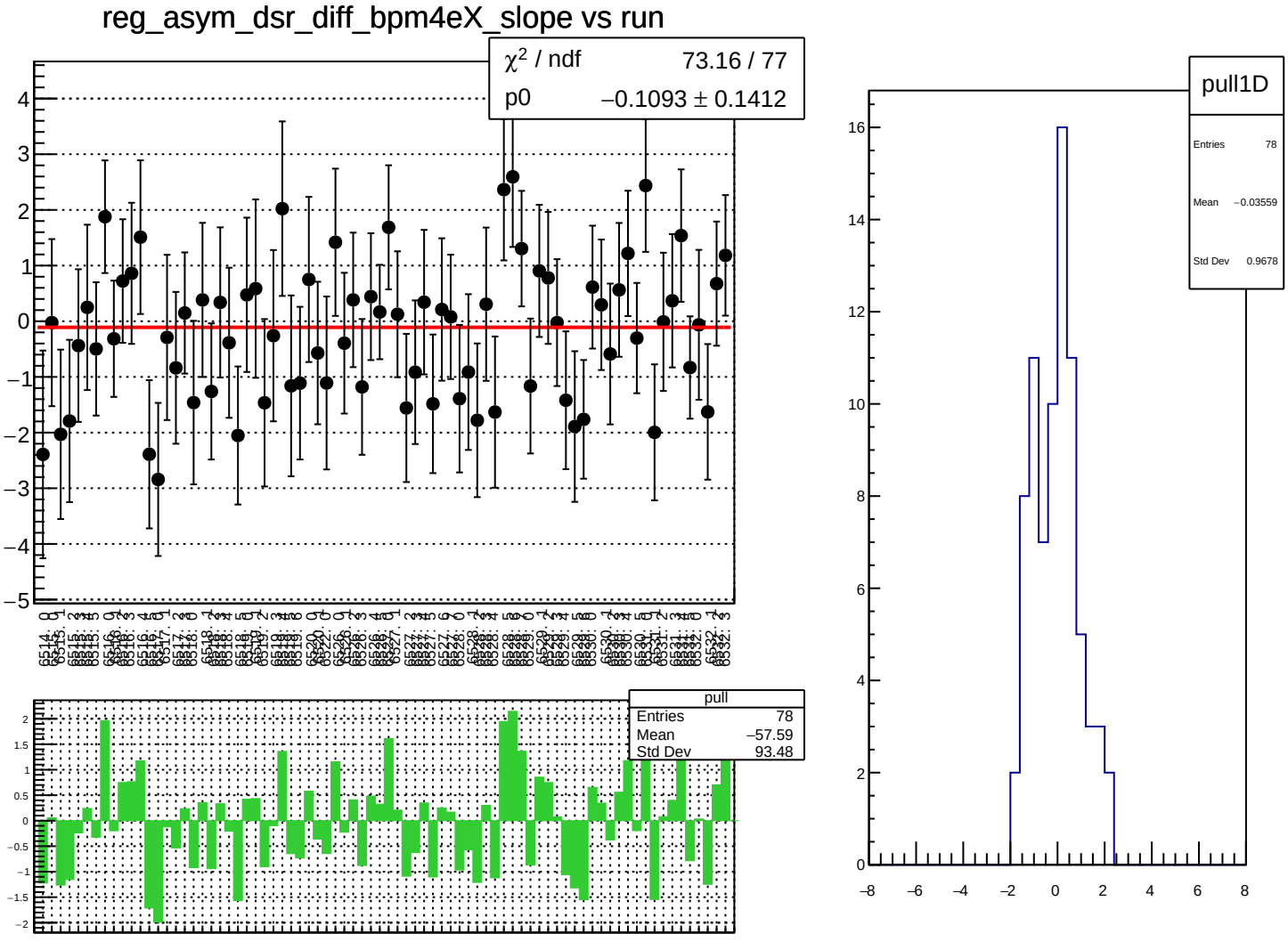

pull1D
Entries 78
Mean −0.01657
Std Dev 0.9164

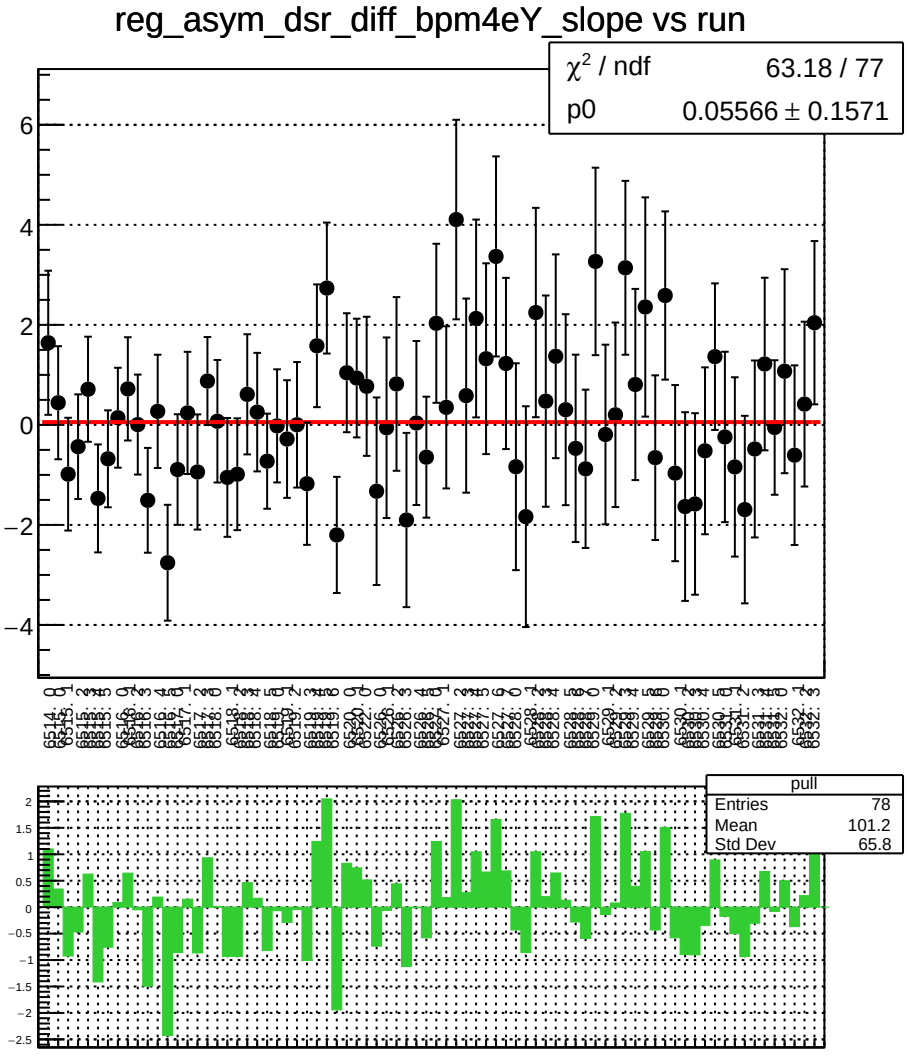

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.24 / 77
p0 0.08319 ± 0.1301
pull
Entries 78
Mean −45.25
Std Dev 80.82
pull1D
Entries 78
Mean 0.0379
Std Dev 0.9549

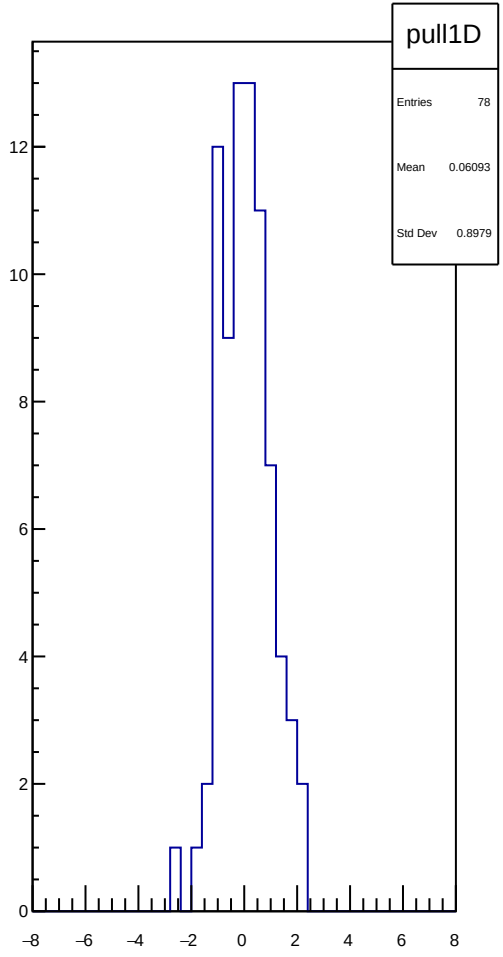
reg_asym_dsr_diff_bpm4aY_slope vs run

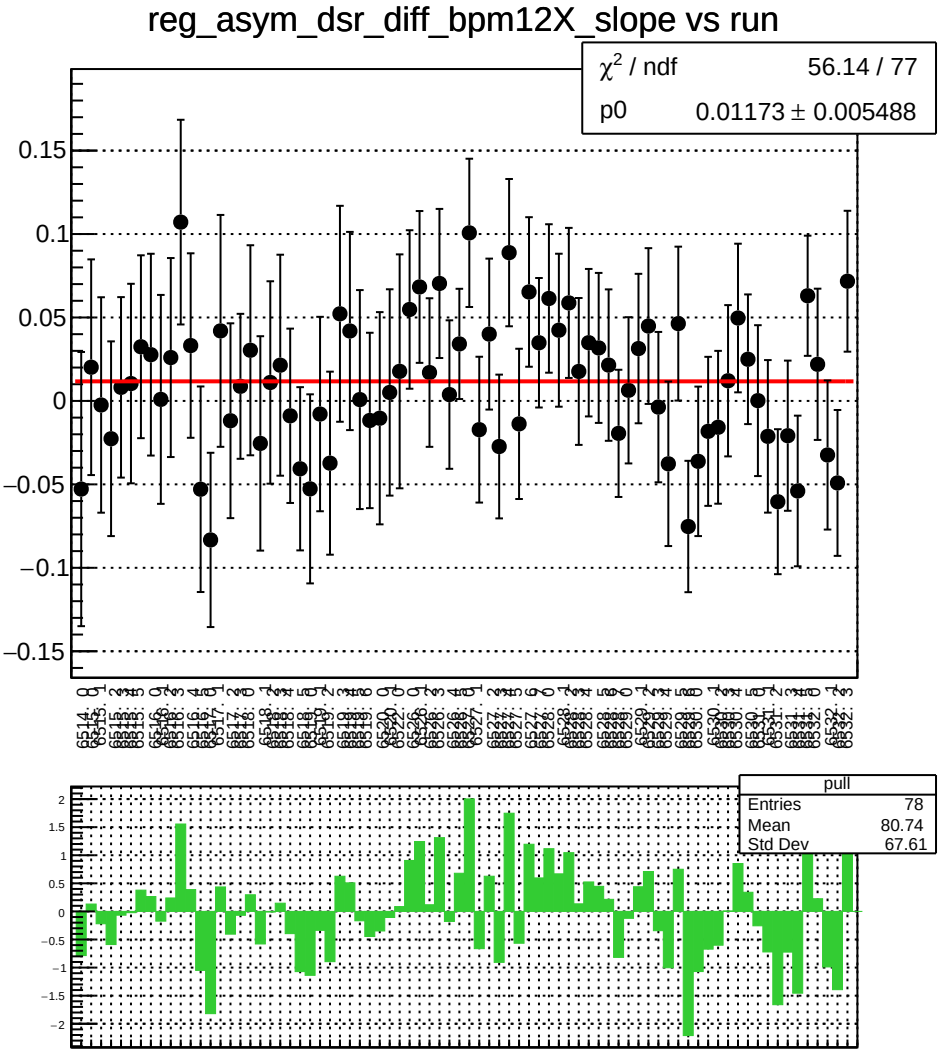


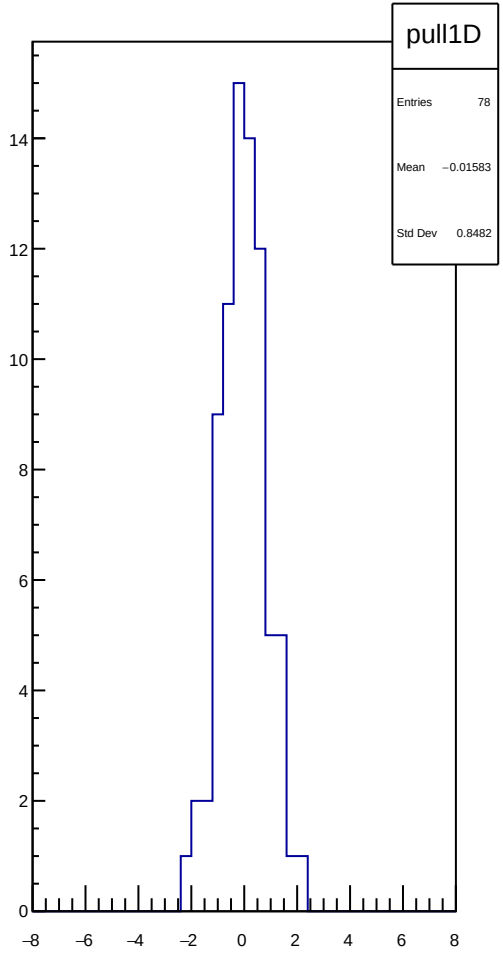


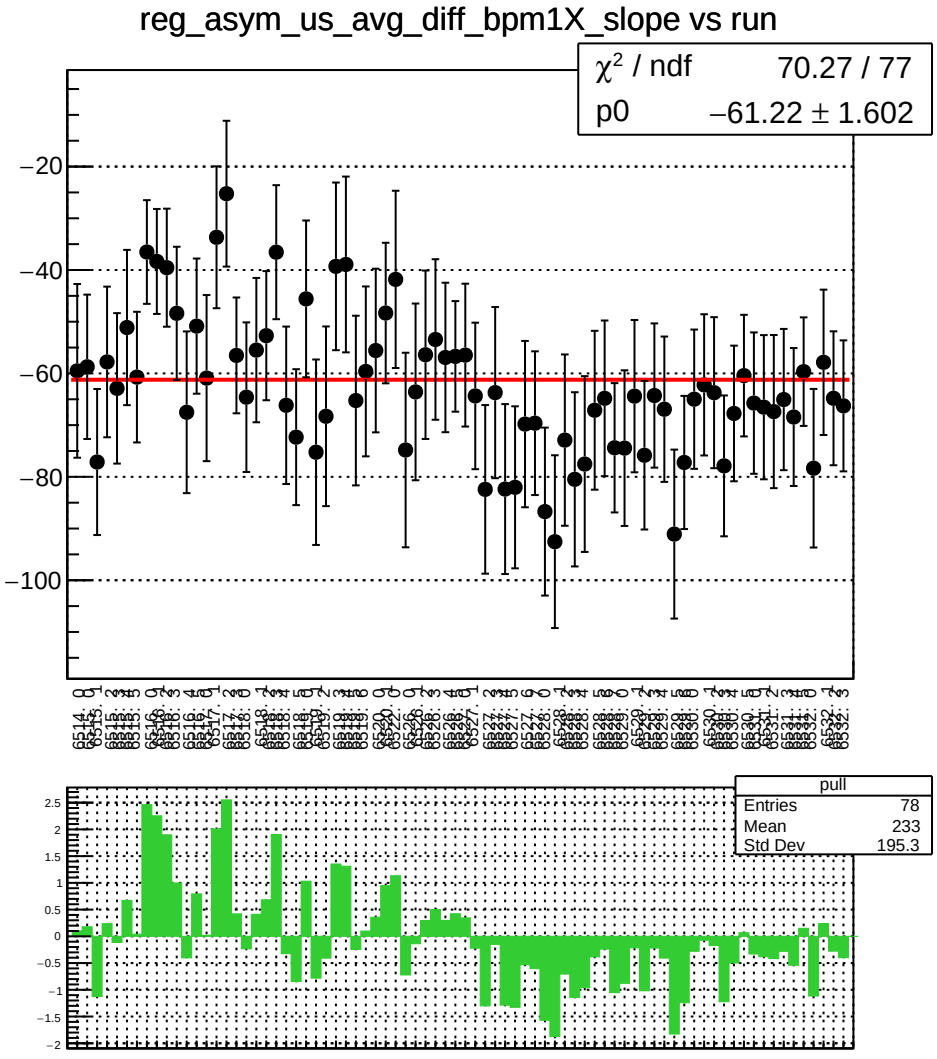

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 73.16 / 77
p0 −0.1093 ± 0.1412
pull
Entries 78
Mean −57.59
Std Dev 93.48
pull1D
Entries 78
Mean −0.03559
Std Dev 0.9678

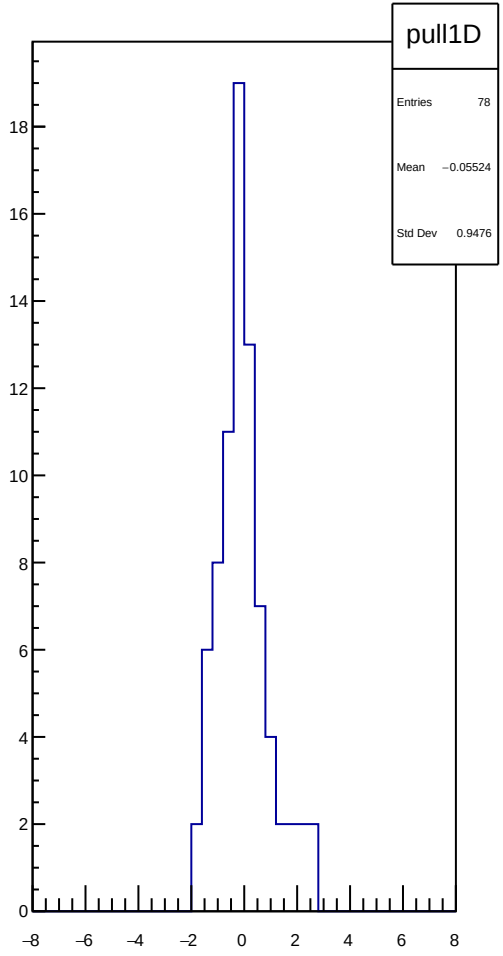

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 63.18 / 77
p0 0.05566 ± 0.1571
pull
Entries 78
Mean 101.2
Std Dev 65.8

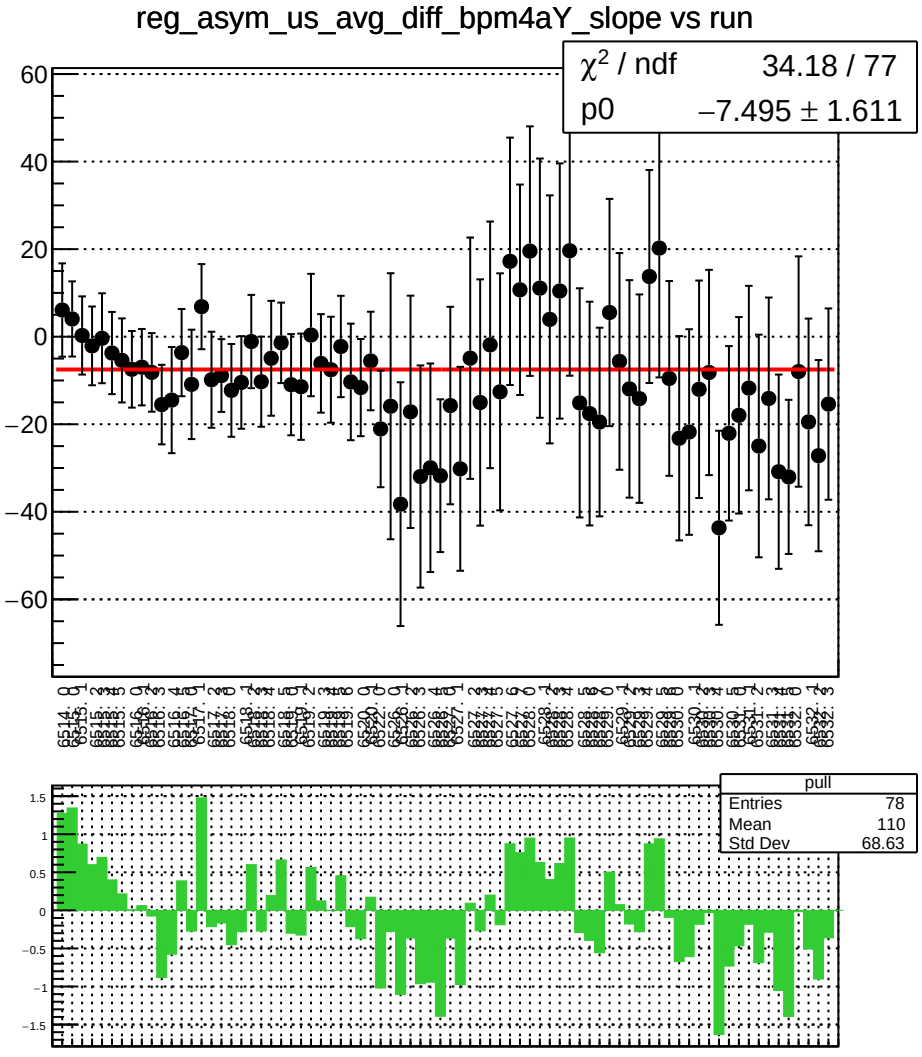

pull1D
Entries 78
Mean 0.06093
Std Dev 0.8979

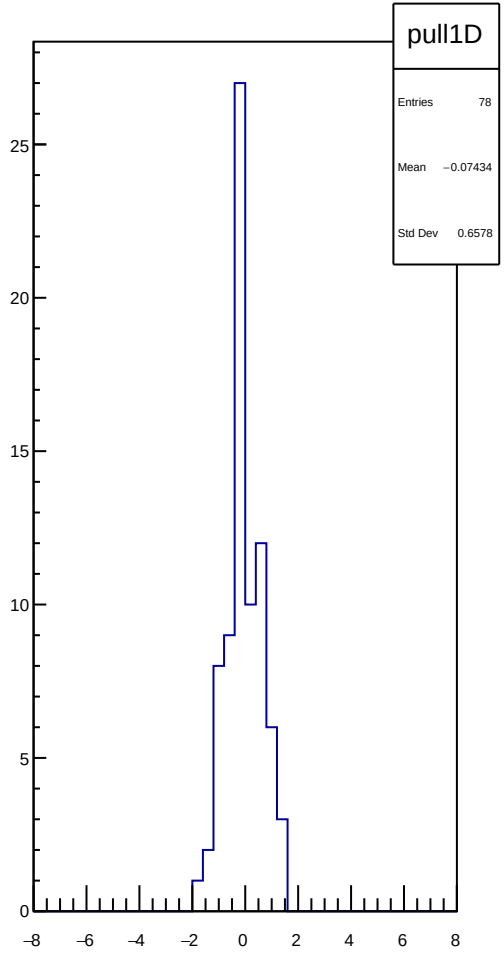

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 56.14 / 77
p0 0.01173 ± 0.005488
pull
Entries 78
Mean 80.74
Std Dev 67.61

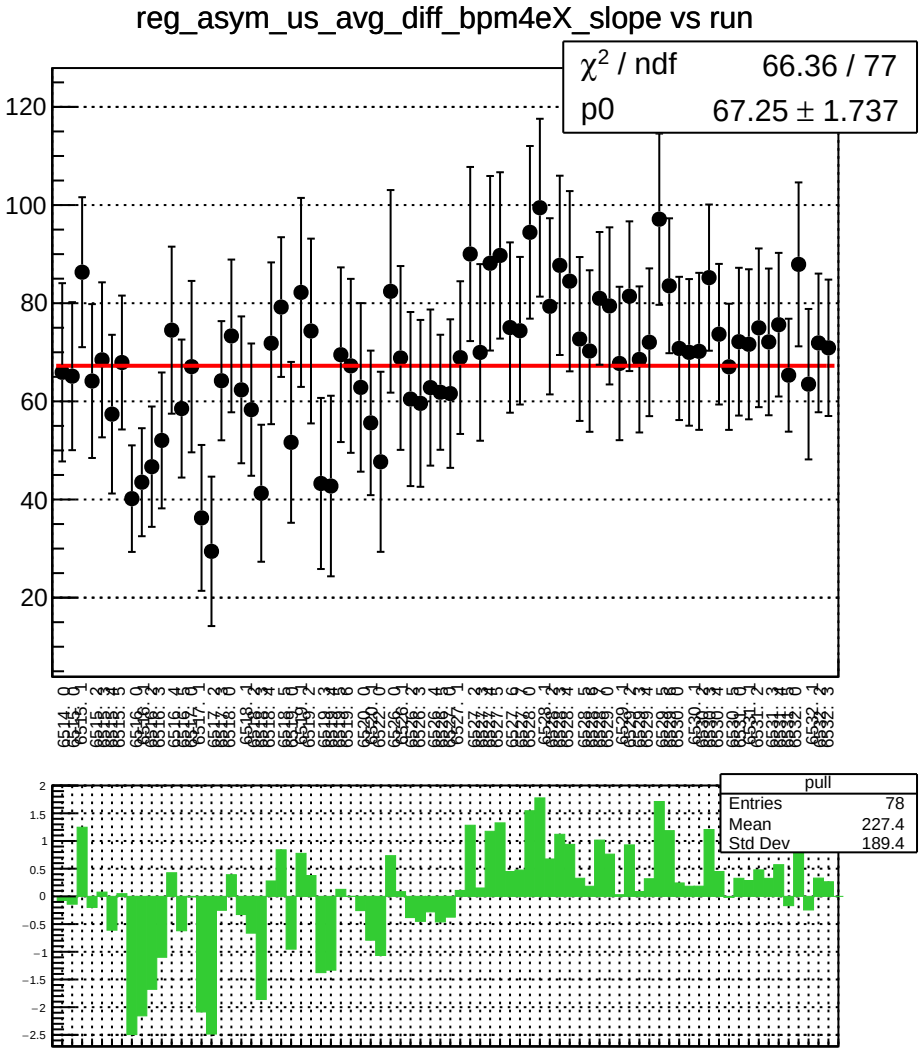

pull1D
Entries 78
Mean −0.01583
Std Dev 0.8482

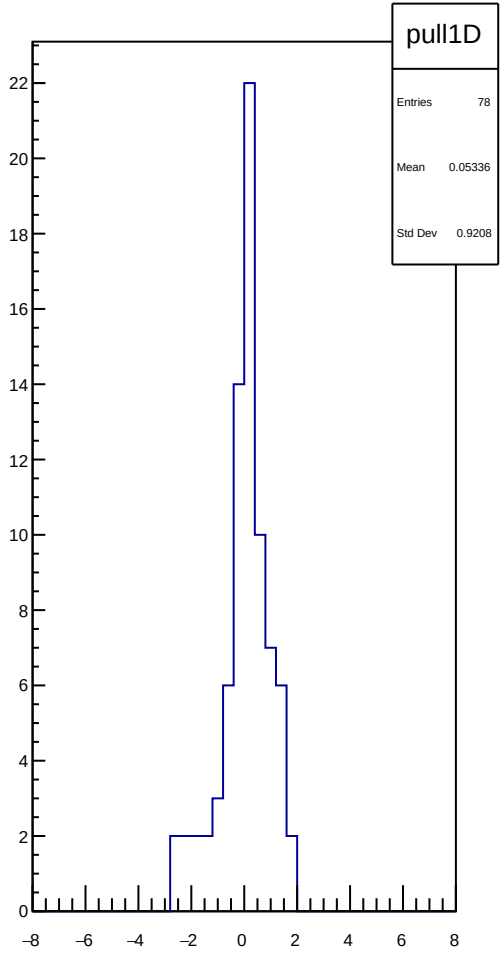

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 70.27 / 77
p0 −61.22 ± 1.602
pull
Entries 78
Mean 233
Std Dev 195.3

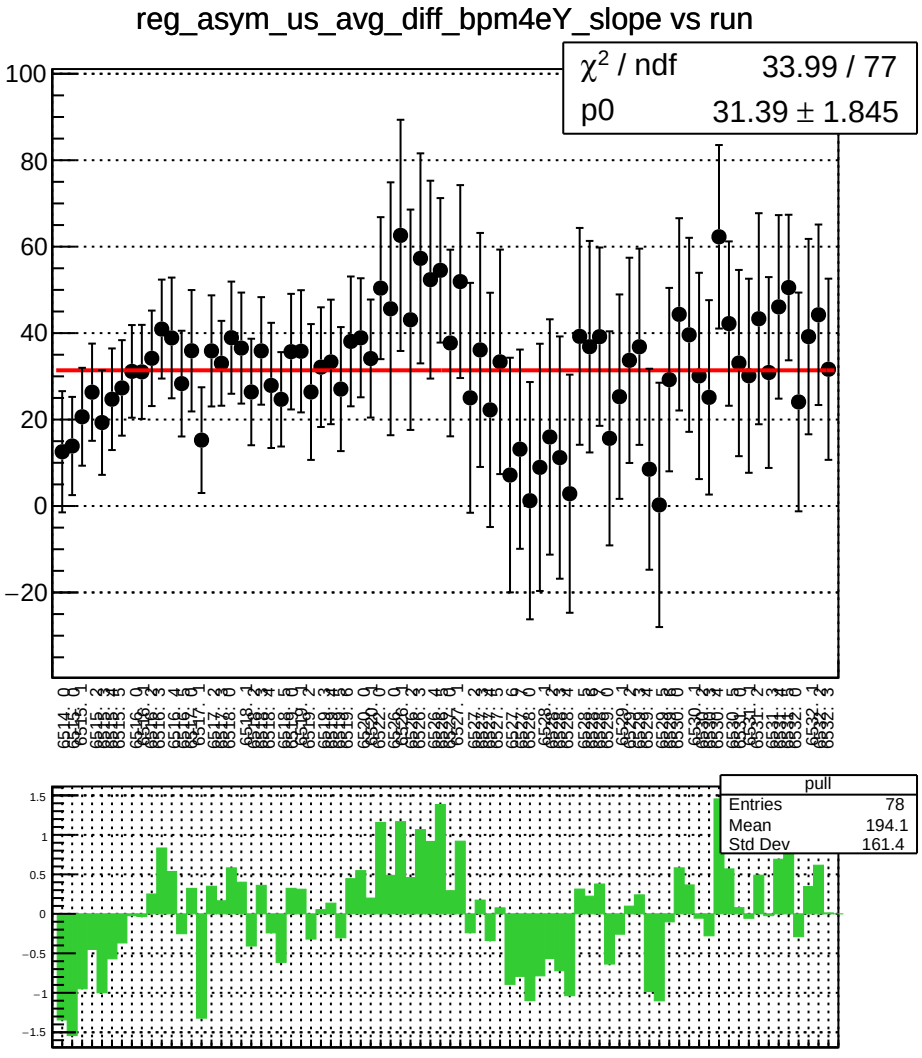

pull1D
Entries 78
Mean −0.05524
Std Dev 0.9476

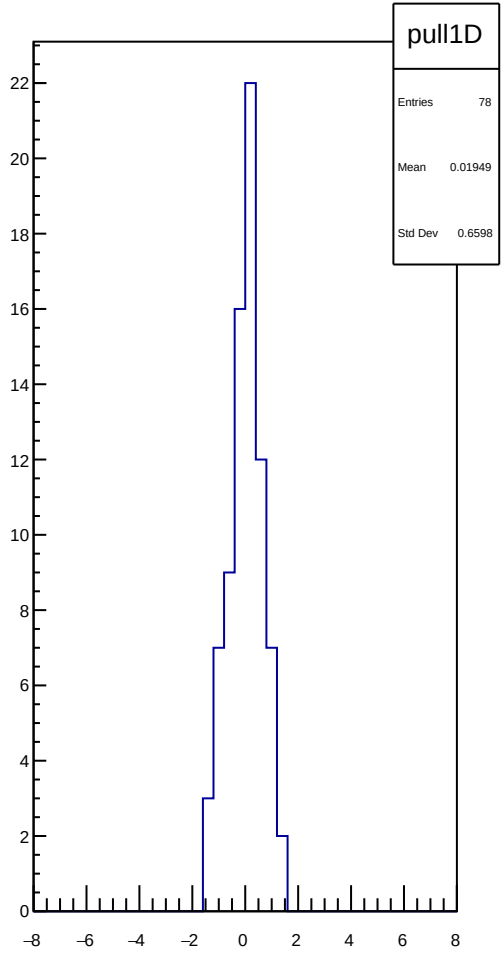

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 34.18 / 77
p0 −7.495 ± 1.611
pull
Entries 78
Mean 110
Std Dev 68.63

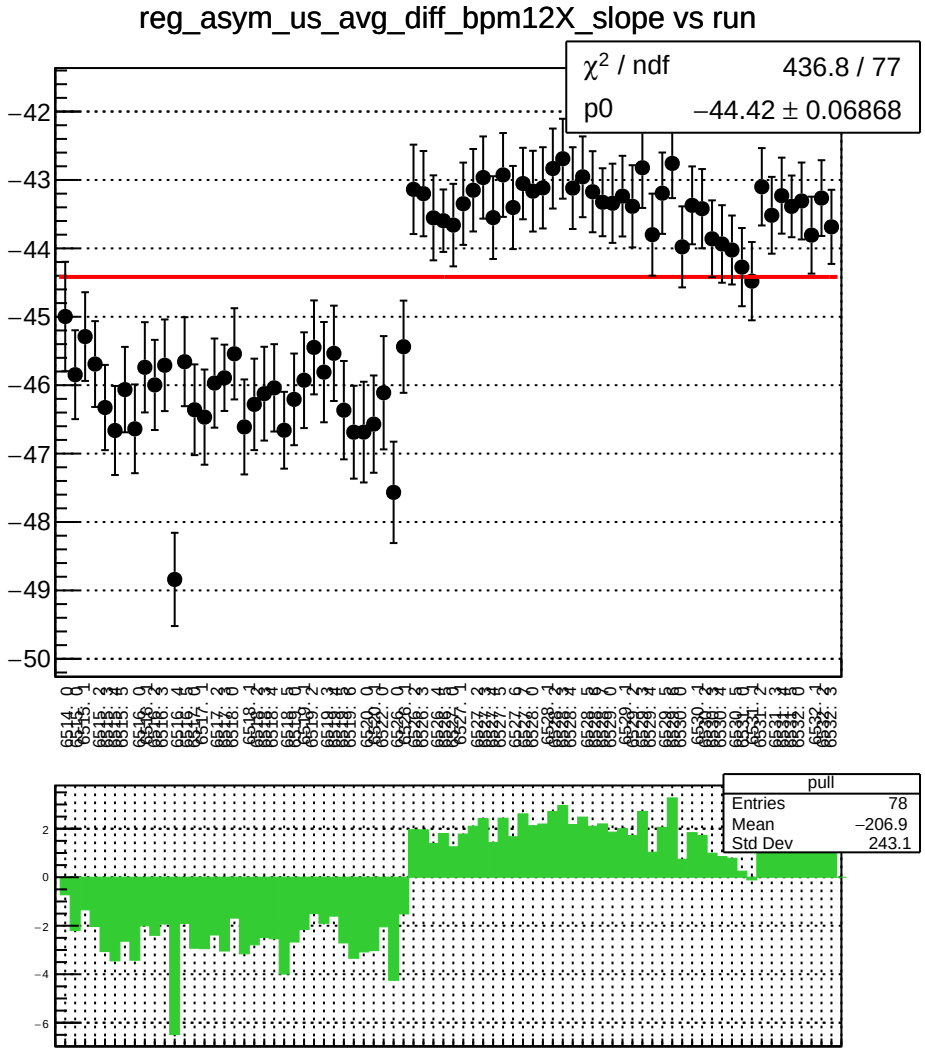

pull1D
Entries 78
Mean −0.07434
Std Dev 0.6578

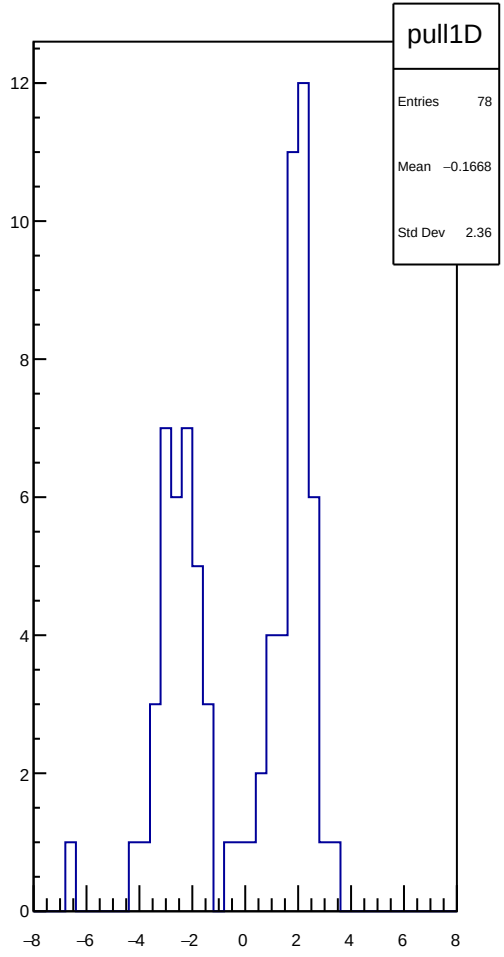

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 66.36 / 77
p0 67.25 ± 1.737
pull
Entries 78
Mean 227.4
Std Dev 189.4

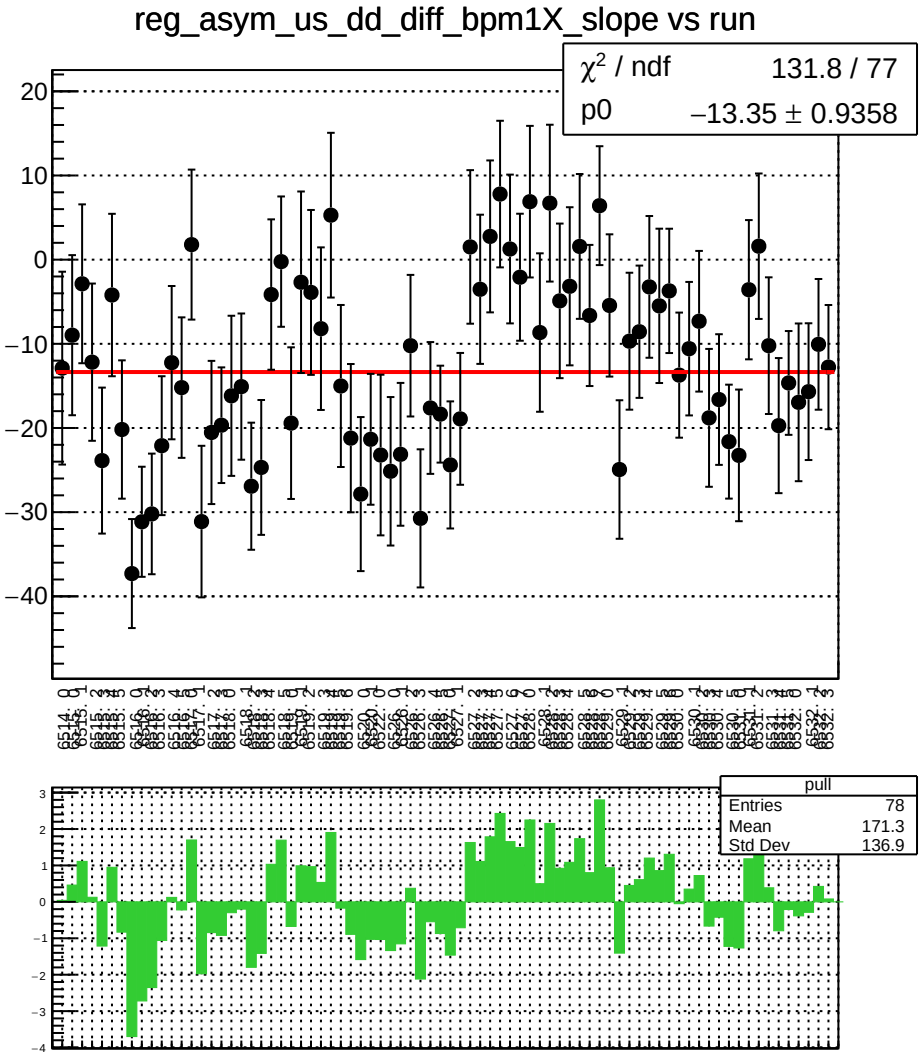

pull1D
Entries 78
Mean 0.05336
Std Dev 0.9208

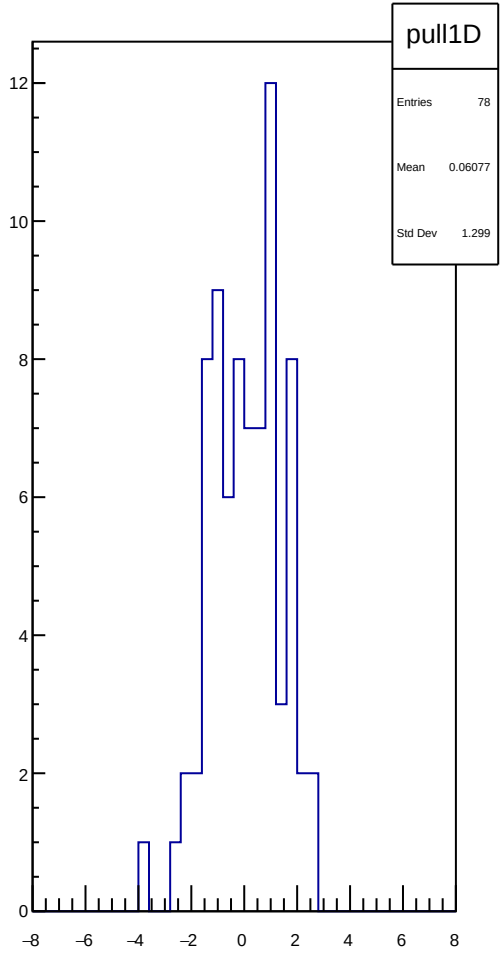

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 33.99 / 77
p0 31.39 ± 1.845
pull
Entries 78
Mean 194.1
Std Dev 161.4

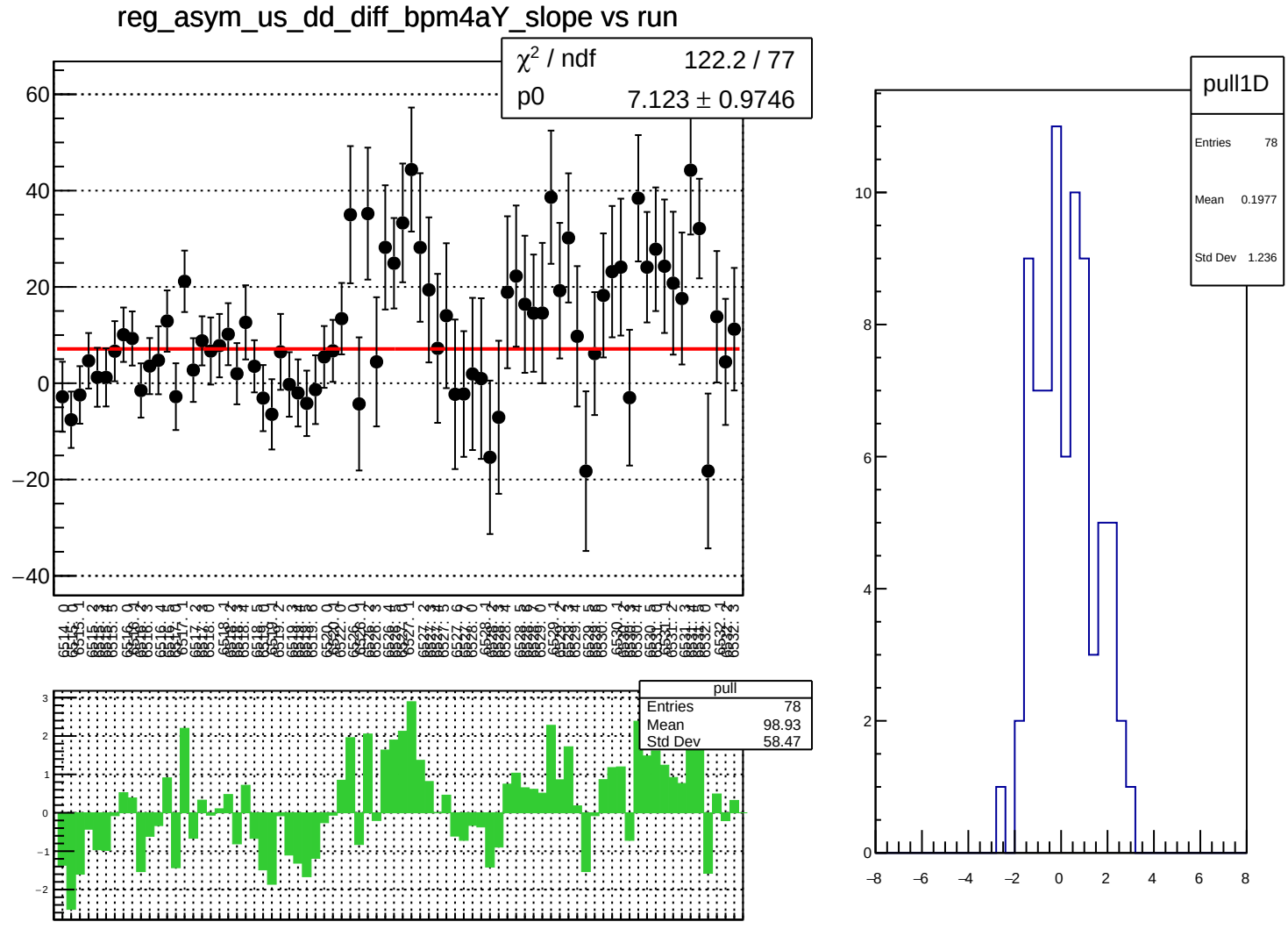

pull1D
Entries 78
Mean 0.01949
Std Dev 0.6598

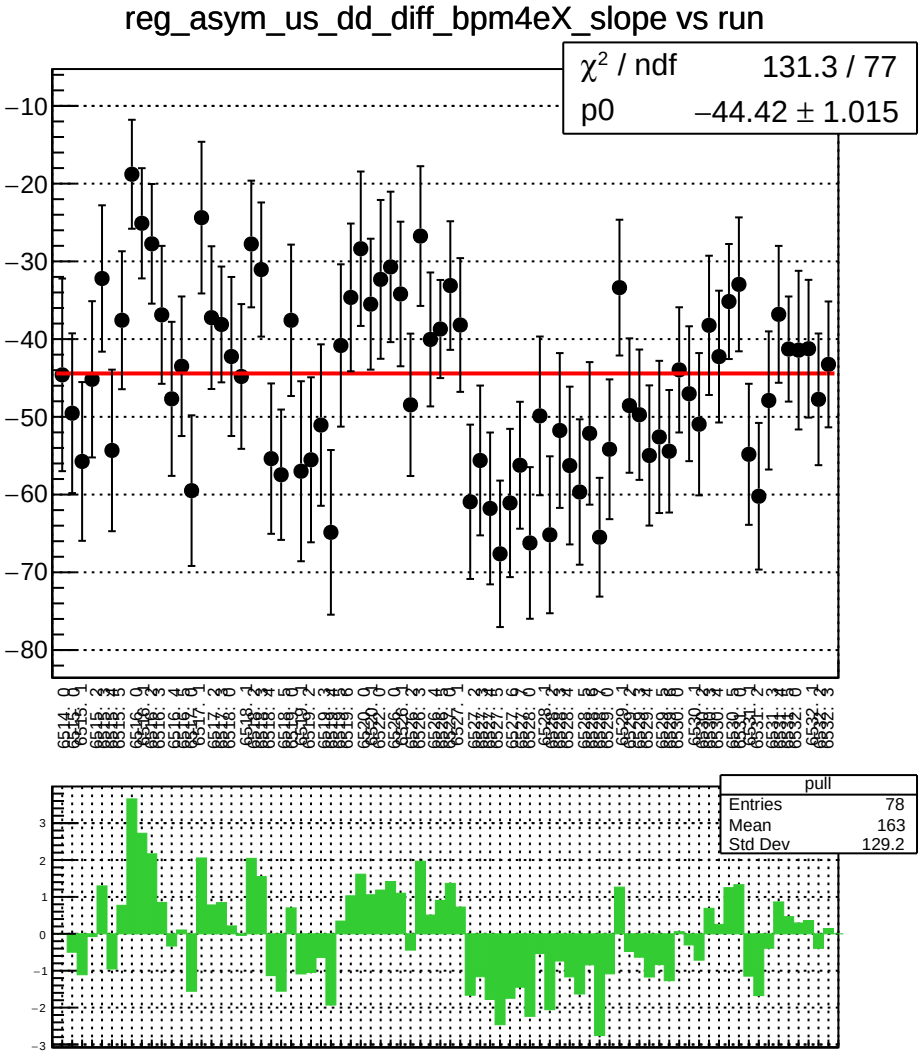

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 436.8 / 77
p0 −44.42 ± 0.06868
pull
Entries 78
Mean −206.9
Std Dev 243.1

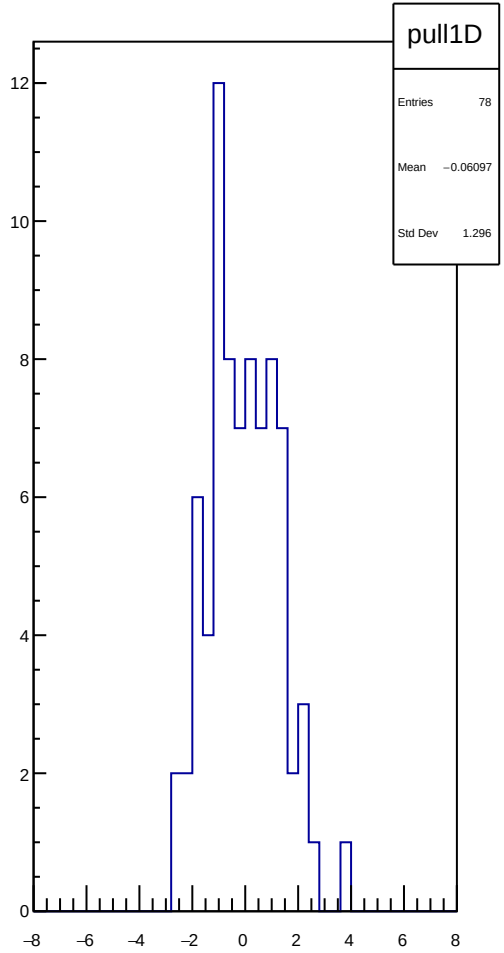

pull1D
Entries 78
Mean −0.1668
Std Dev 2.36

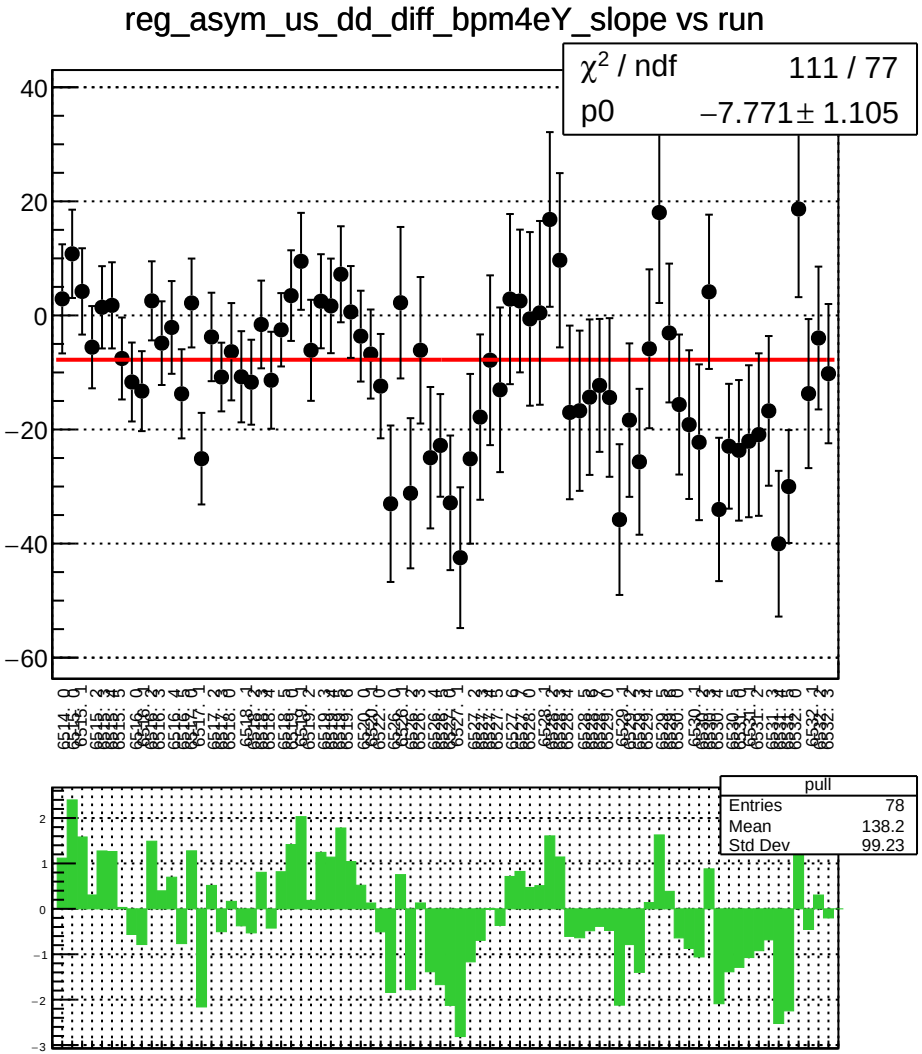

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 131.8 / 77
p0 −13.35 ± 0.9358
pull
Entries 78
Mean 171.3
Std Dev 136.9

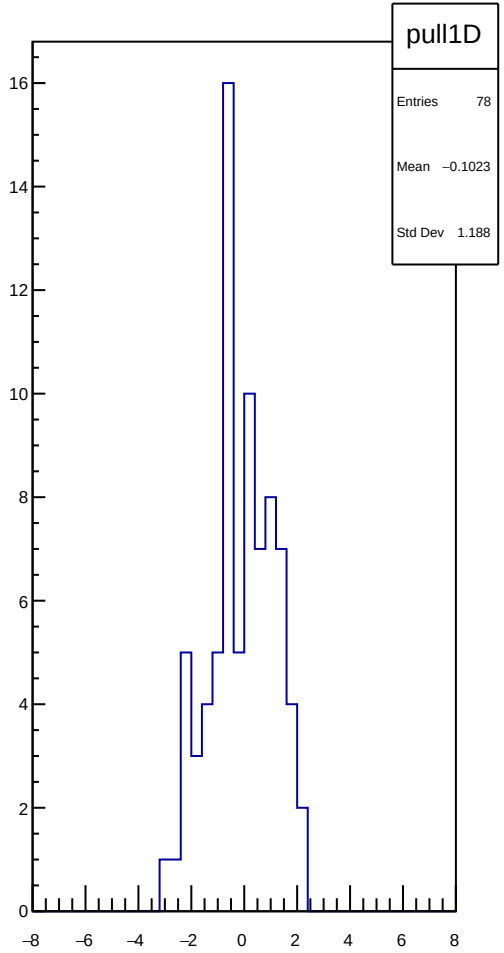

pull1D
Entries 78
Mean 0.06077
Std Dev 1.299

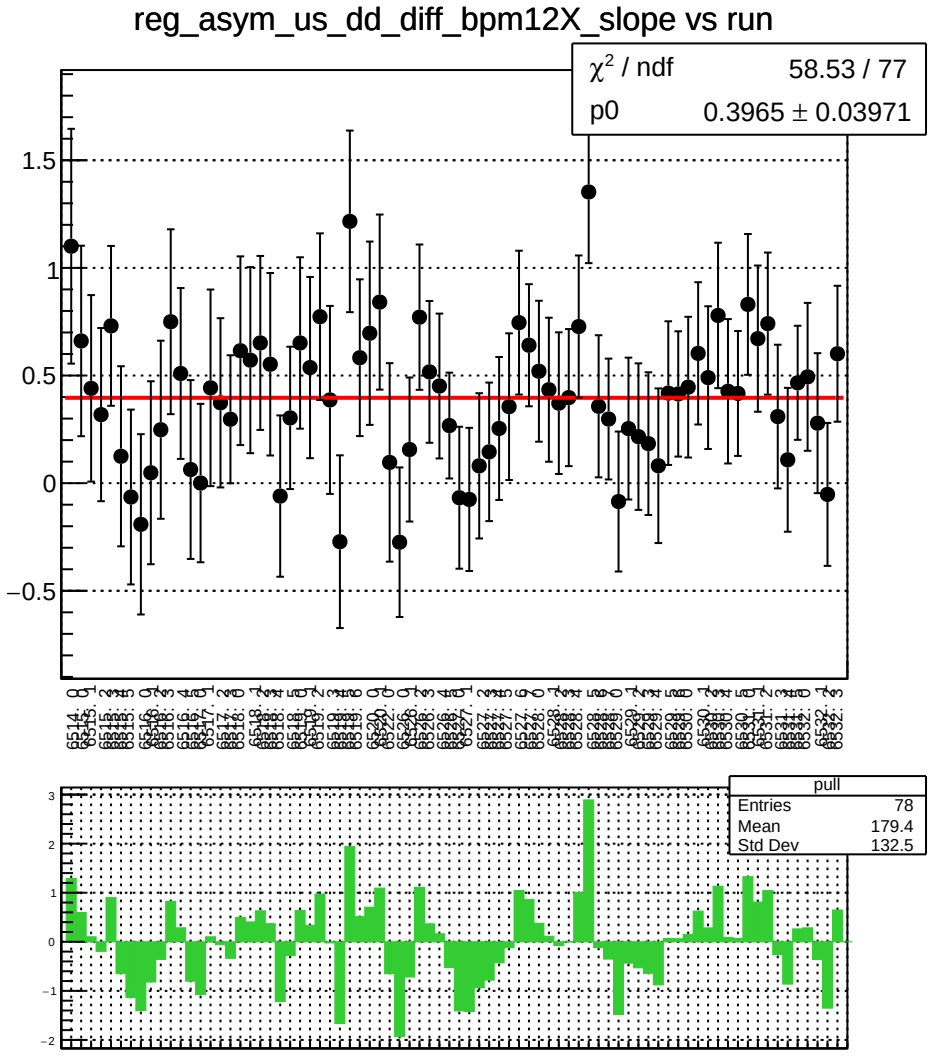

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 122.2 / 77
p0 7.123 ± 0.9746
pull
Entries 78
Mean 98.93
Std Dev 58.47
pull1D
Entries 78
Mean 0.1977
Std Dev 1.236

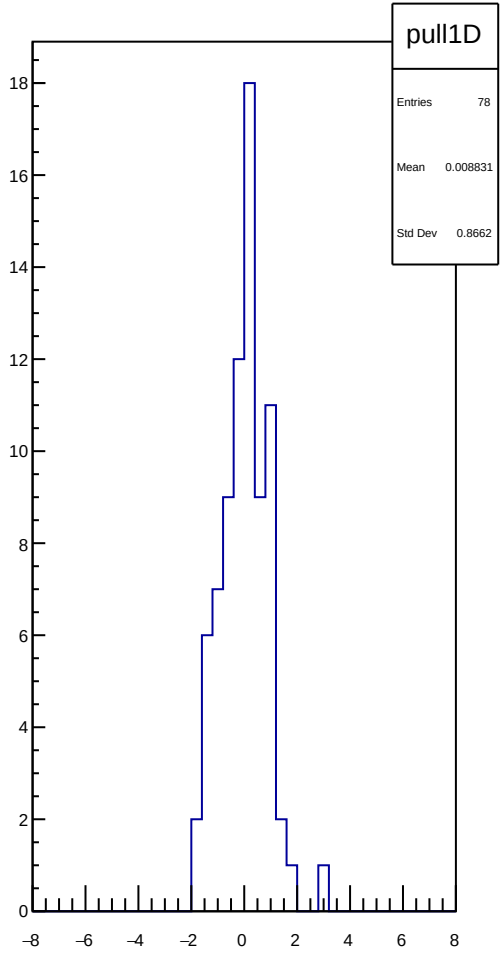

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 131.3 / 77
p0 −44.42 ± 1.015
pull
Entries 78
Mean 163
Std Dev 129.2

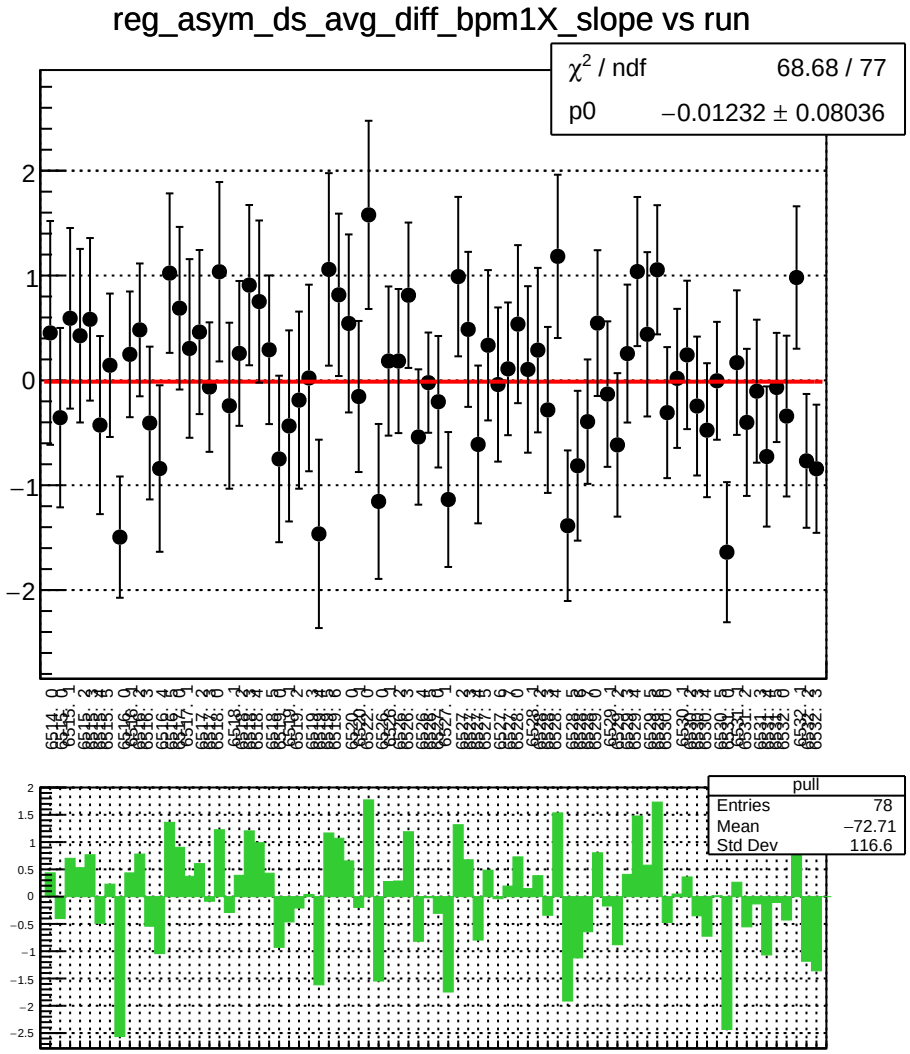

pull1D
Entries 78
Mean −0.06097
Std Dev 1.296

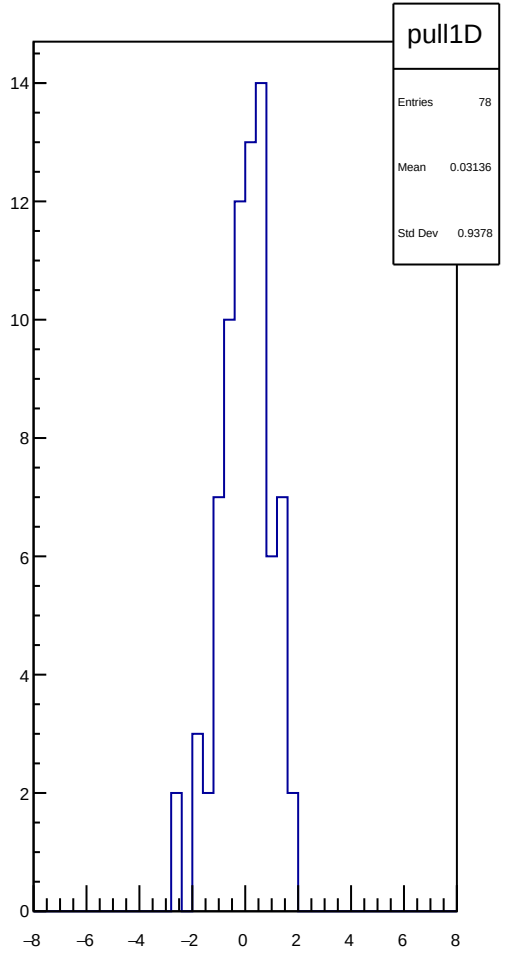

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 111 / 77
p0 −7.771 ± 1.105
pull
Entries 78
Mean 138.2
Std Dev 99.23

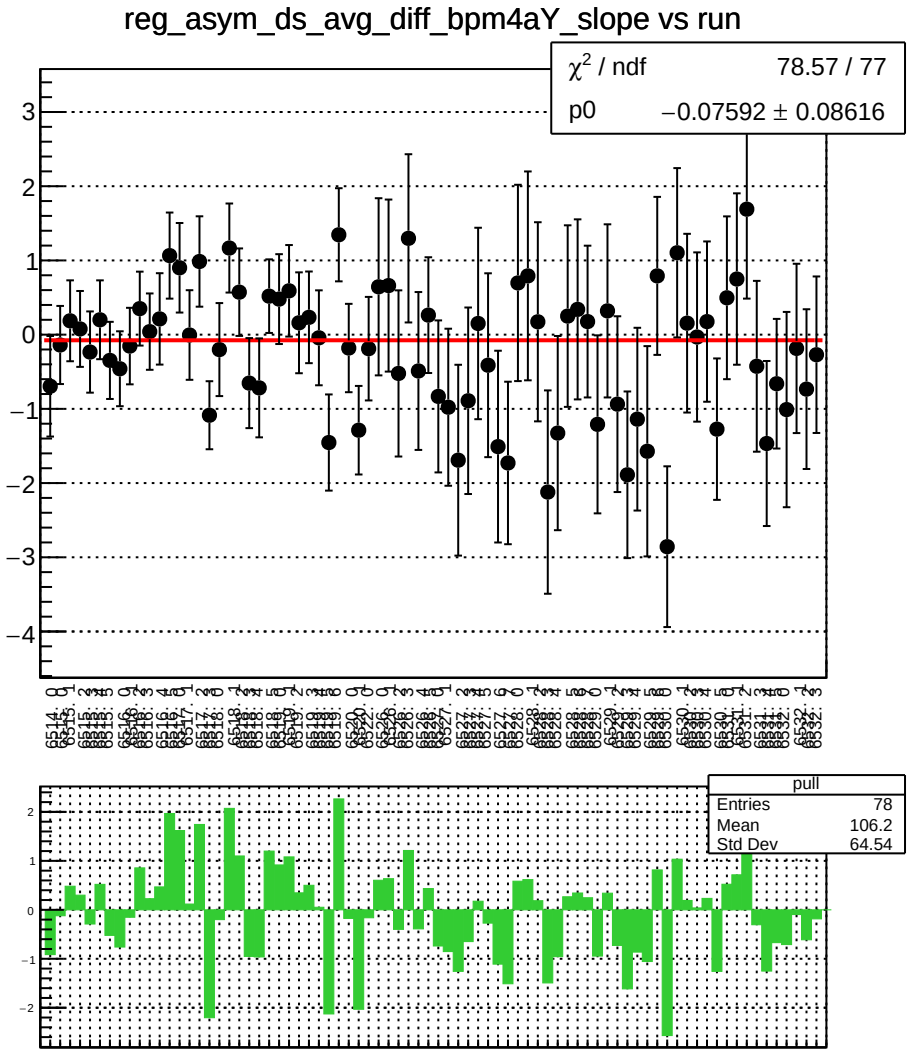

pull1D
Entries 78
Mean −0.1023
Std Dev 1.188

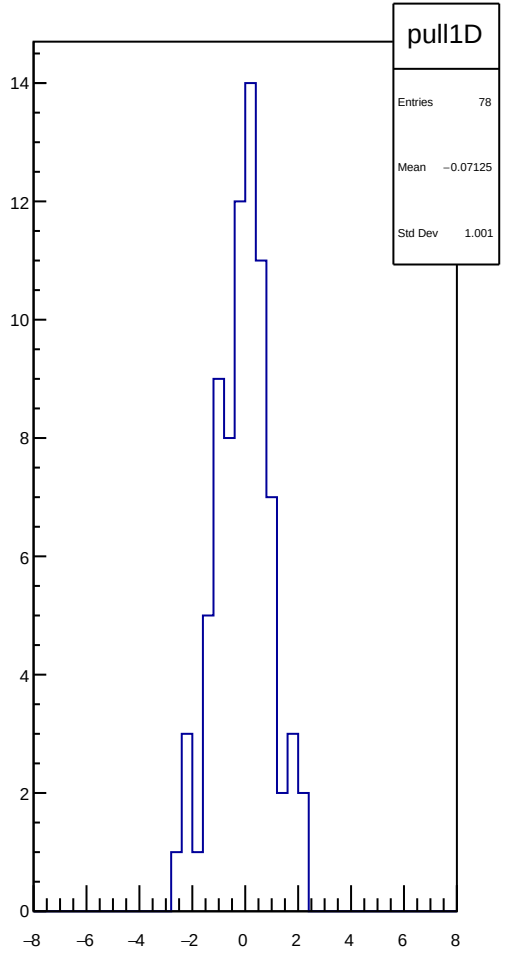

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 58.53 / 77
p0 0.3965 ± 0.03971
pull
Entries 78
Mean 179.4
Std Dev 132.5

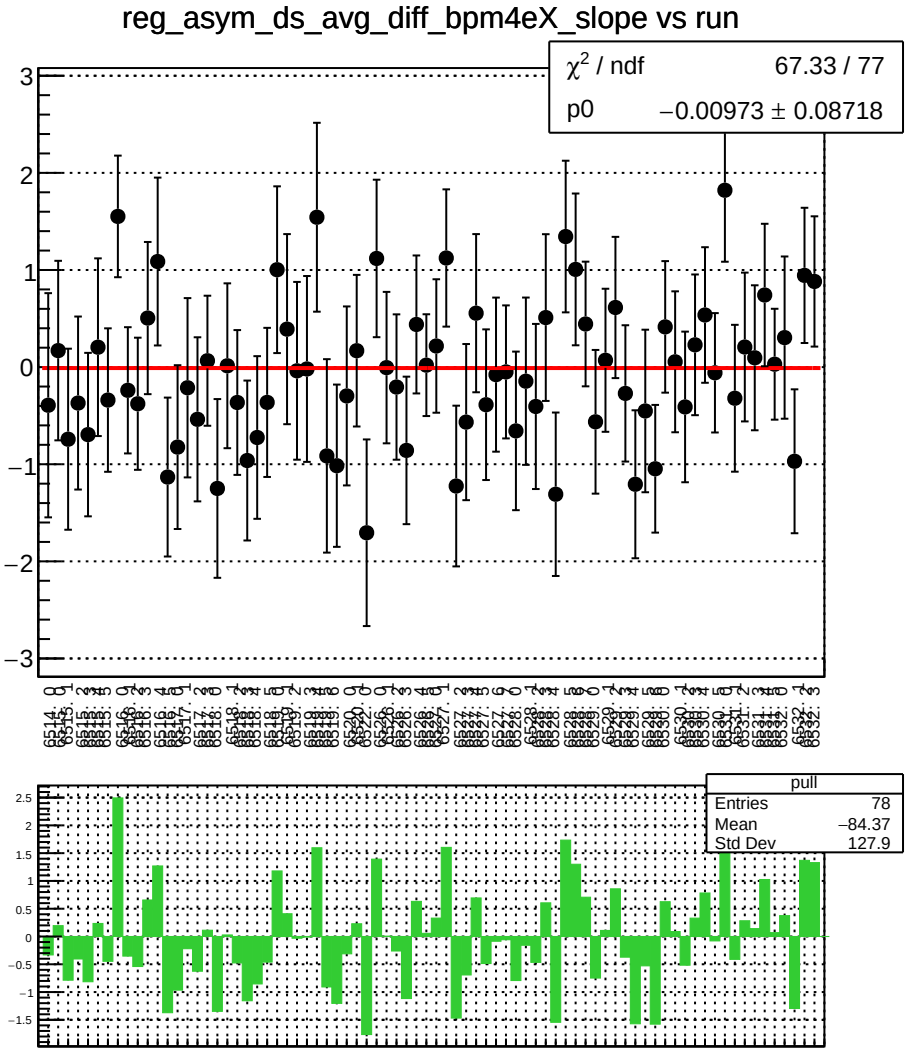

pull1D
Entries 78
Mean 0.008831
Std Dev 0.8662

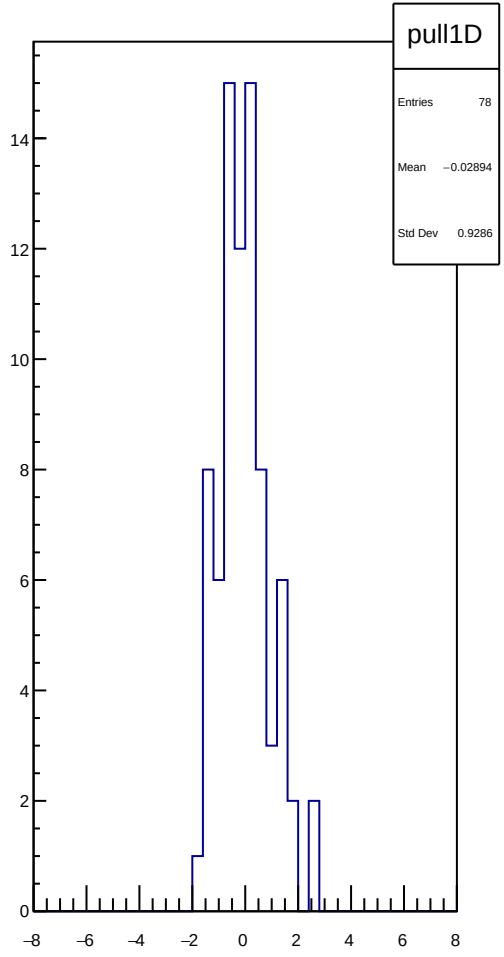

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 68.68 / 77
p0 −0.01232 ± 0.08036
pull
Entries 78
Mean −72.71
Std Dev 116.6

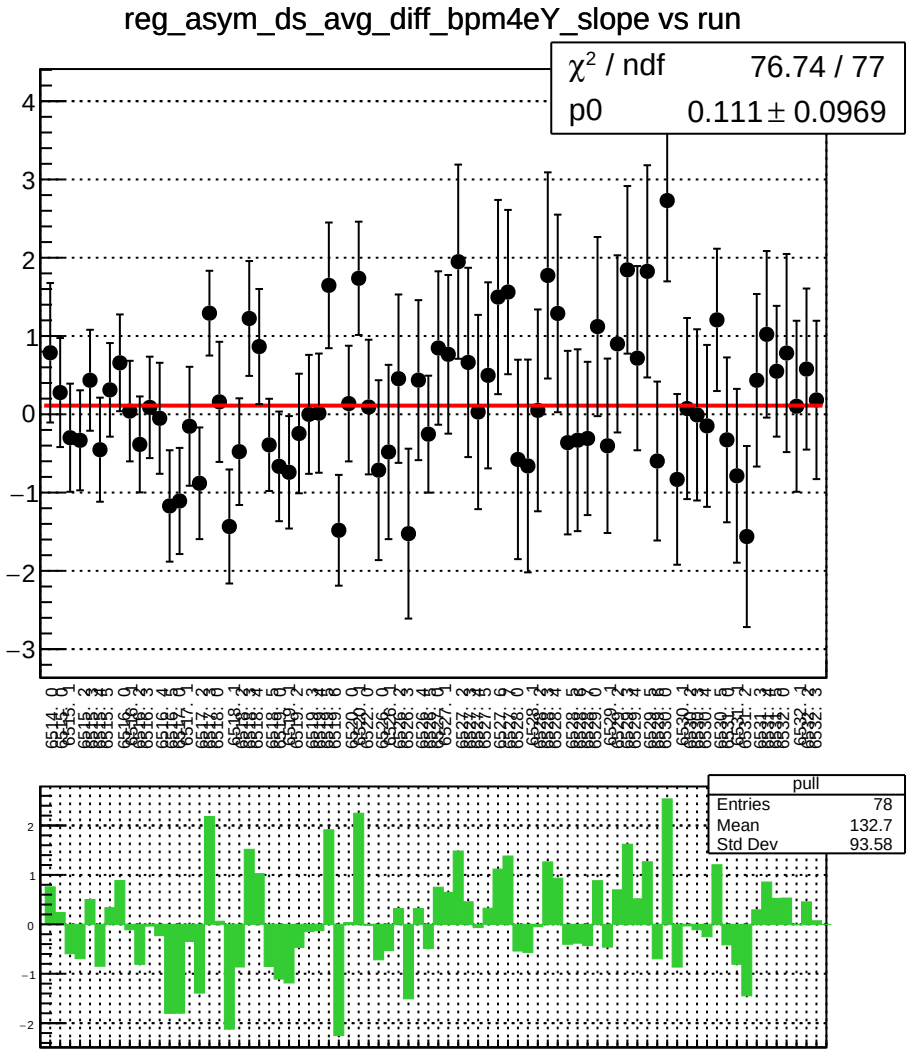

pull1D
Entries 78
Mean 0.03136
Std Dev 0.9378

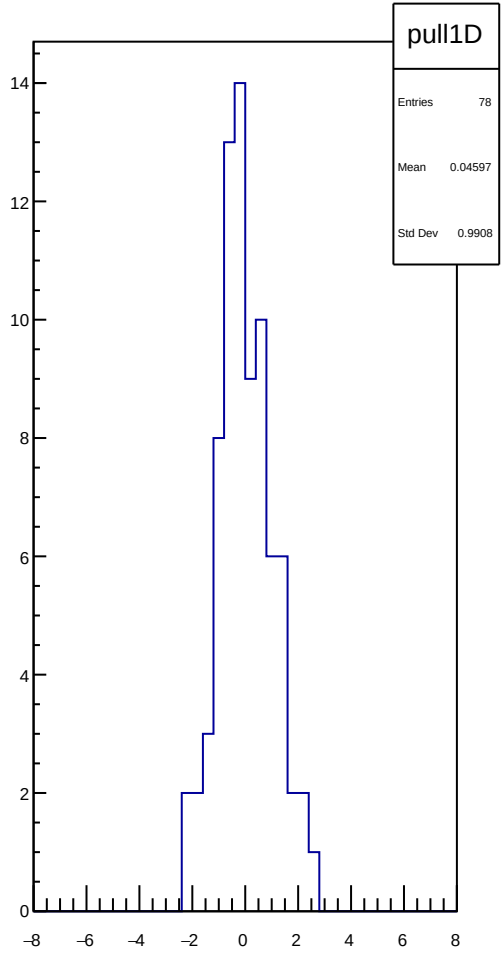

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 78.57 / 77
p0 −0.07592 ± 0.08616
pull
Entries 78
Mean 106.2
Std Dev 64.54

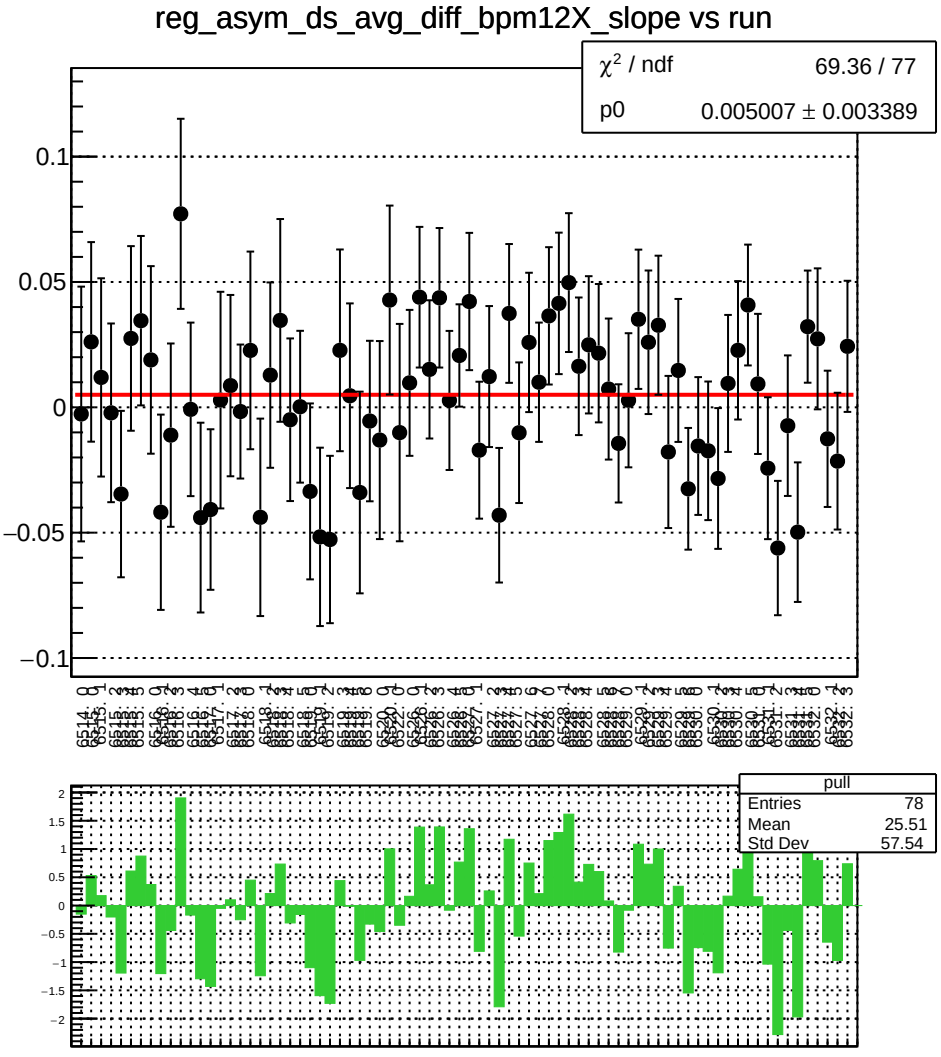

pull1D
Entries 78
Mean −0.07125
Std Dev 1.001

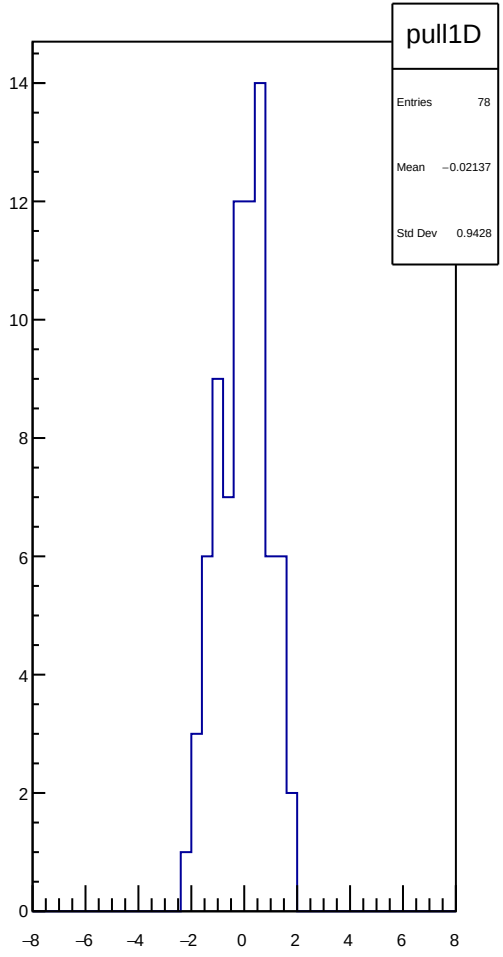

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 67.33 / 77
p0 −0.00973 ± 0.08718
pull
Entries 78
Mean −84.37
Std Dev 127.9

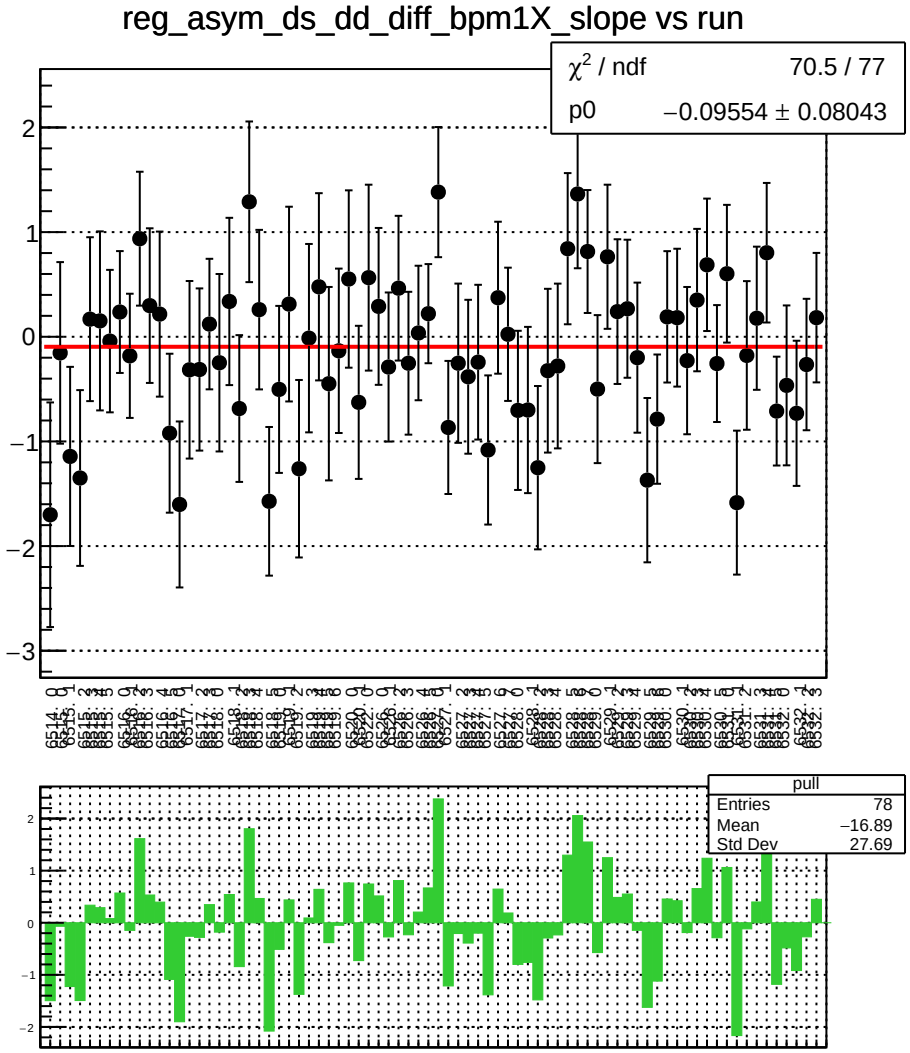

pull1D
Entries 78
Mean −0.02894
Std Dev 0.9286

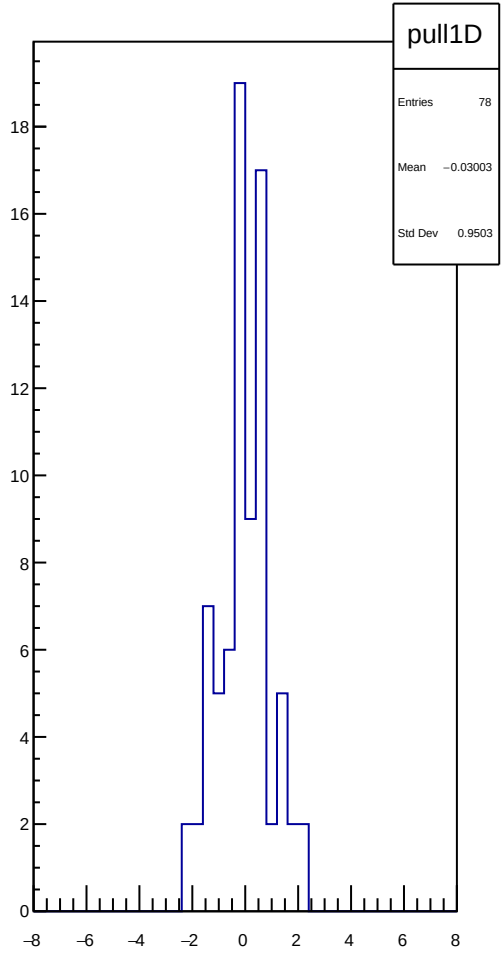

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.74 / 77
p0 0.111 ± 0.0969
pull
Entries 78
Mean 132.7
Std Dev 93.58

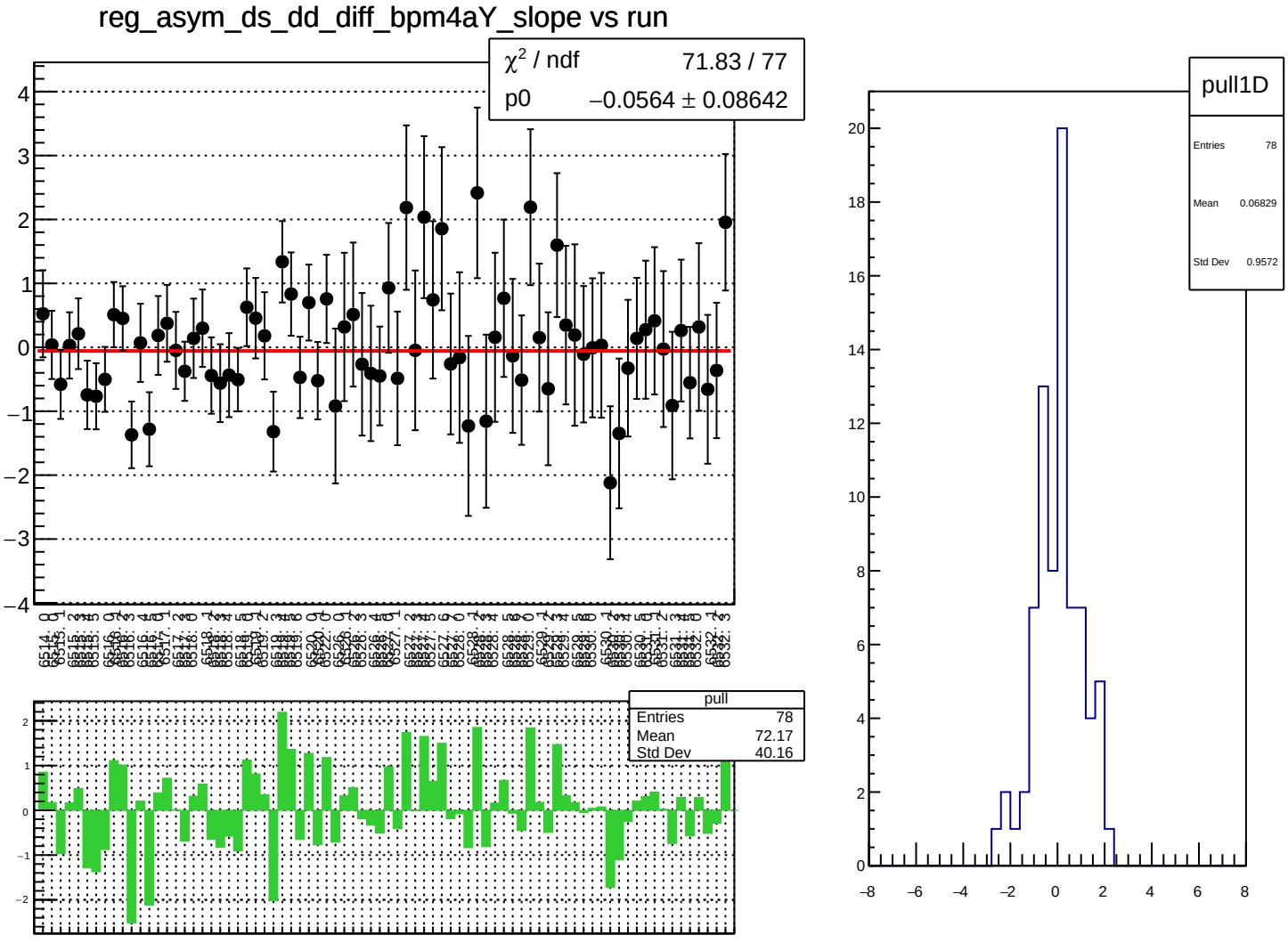

pull1D
Entries 78
Mean 0.04597
Std Dev 0.9908

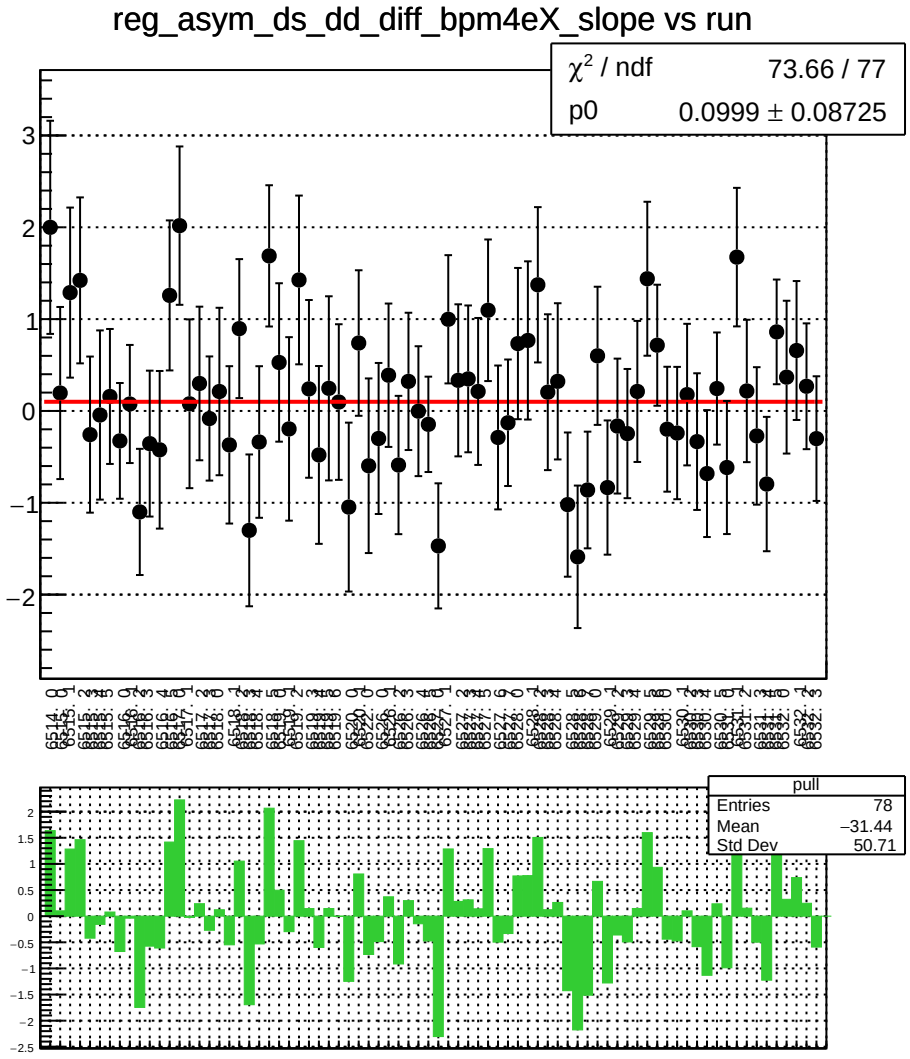

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 69.36 / 77
p0 0.005007 ± 0.003389
pull
Entries 78
Mean 25.51
Std Dev 57.54

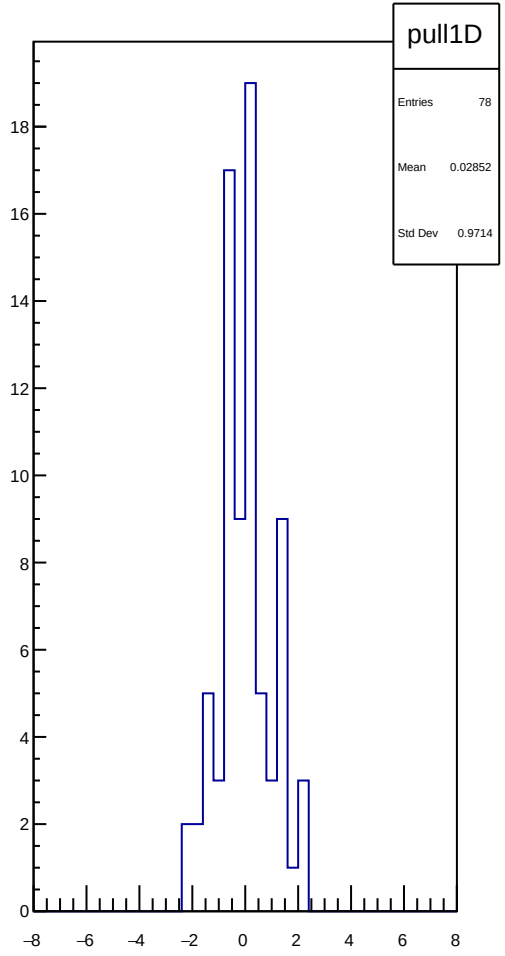

pull1D
Entries 78
Mean −0.02137
Std Dev 0.9428

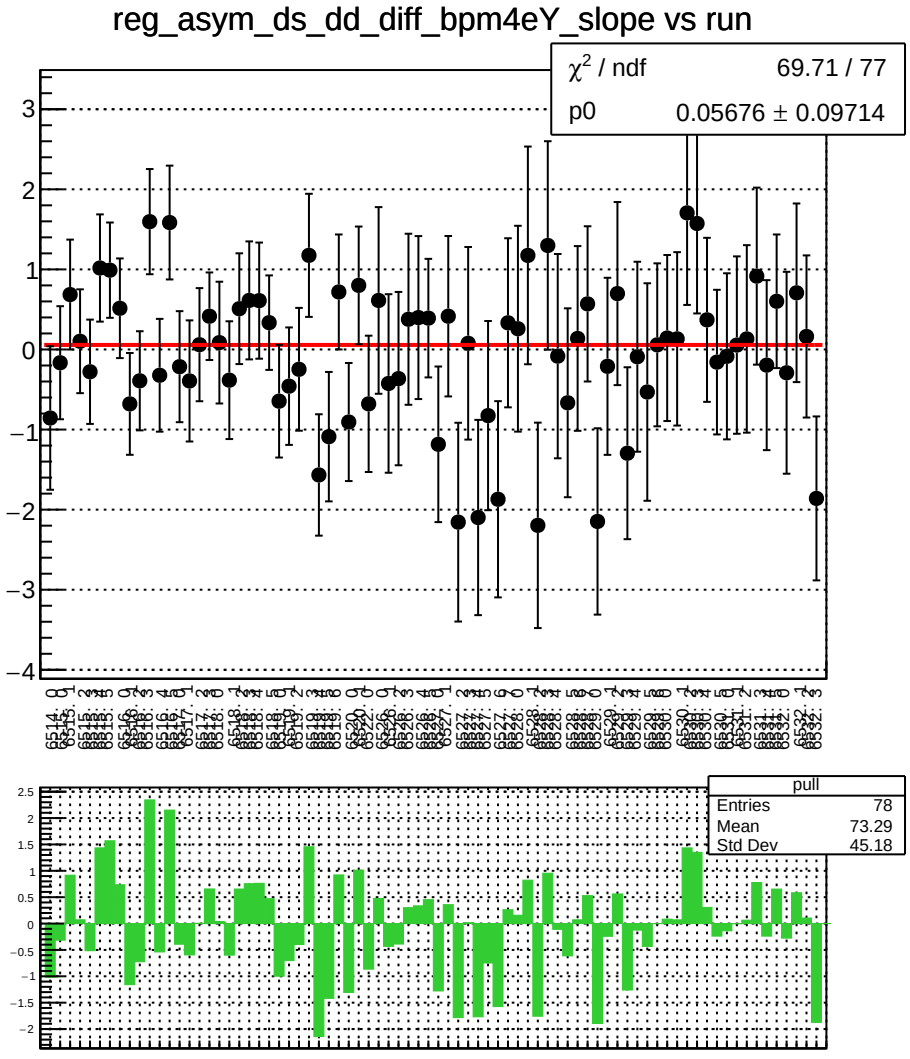

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 70.5 / 77
p0 −0.09554 ± 0.08043
pull
Entries 78
Mean −16.89
Std Dev 27.69

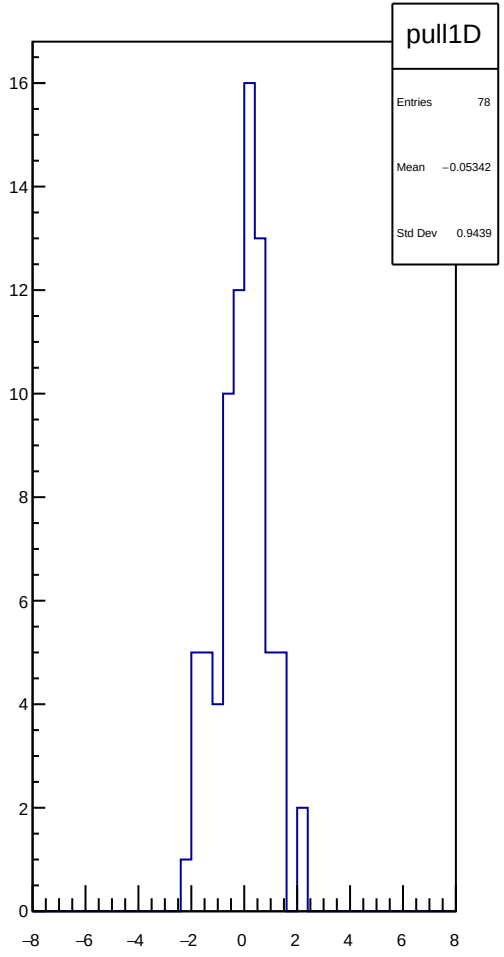

pull1D
Entries 78
Mean −0.03003
Std Dev 0.9503

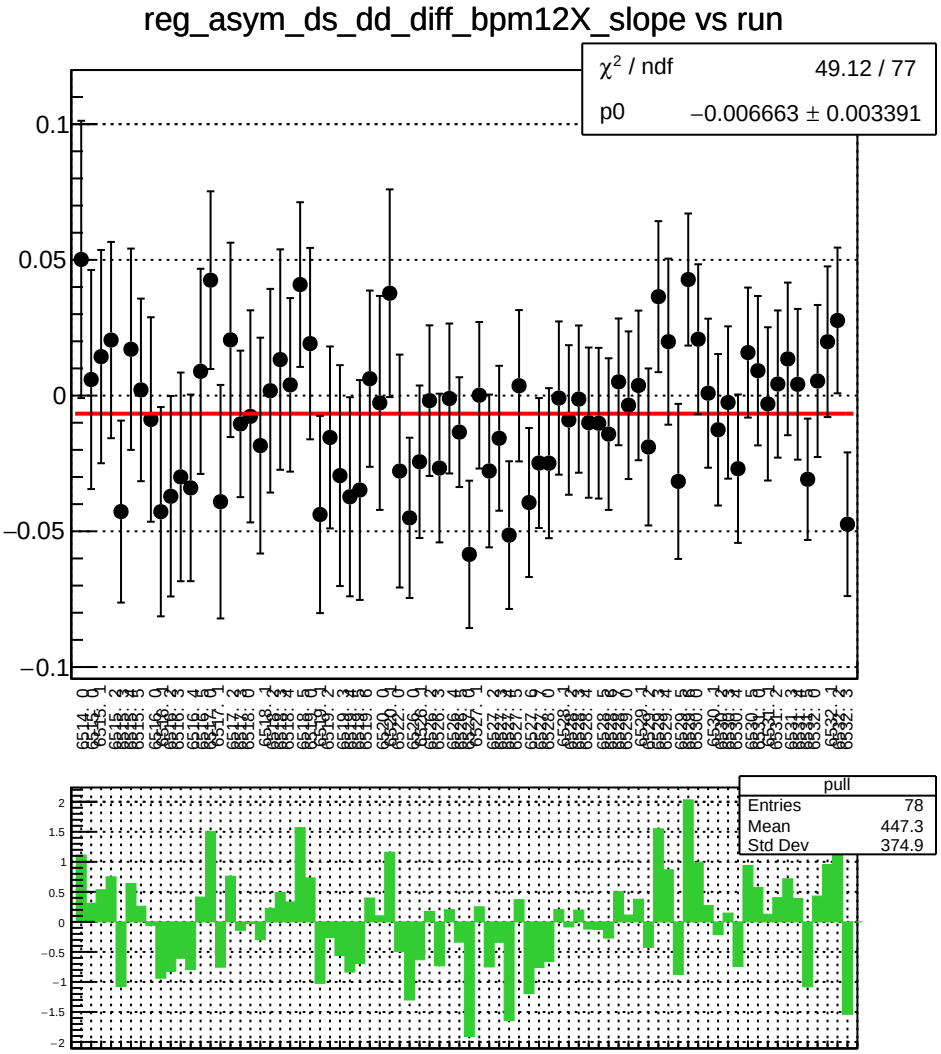

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 71.83 / 77
p0 −0.0564 ± 0.08642
pull
Entries 78
Mean 72.17
Std Dev 40.16
pull1D
Entries 78
Mean 0.06829
Std Dev 0.9572

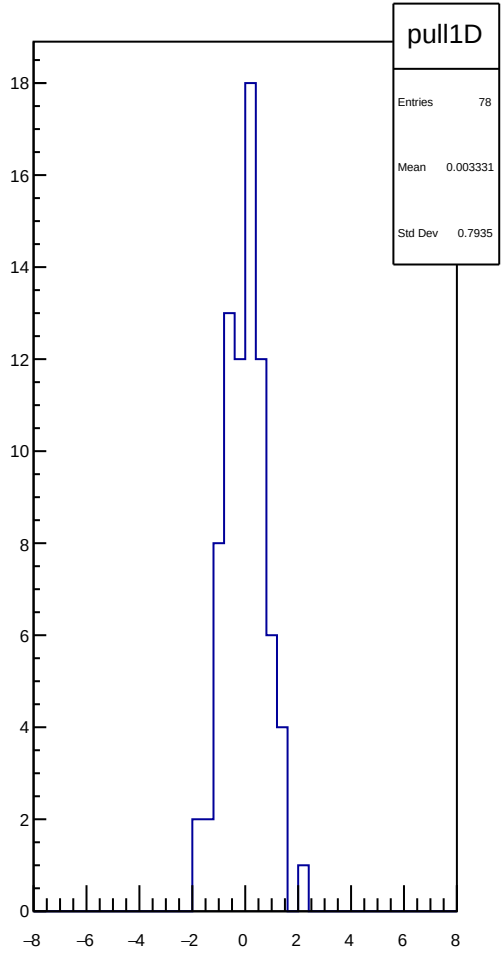

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 73.66 / 77
p0 0.0999 ± 0.08725
pull
Entries 78
Mean −31.44
Std Dev 50.71

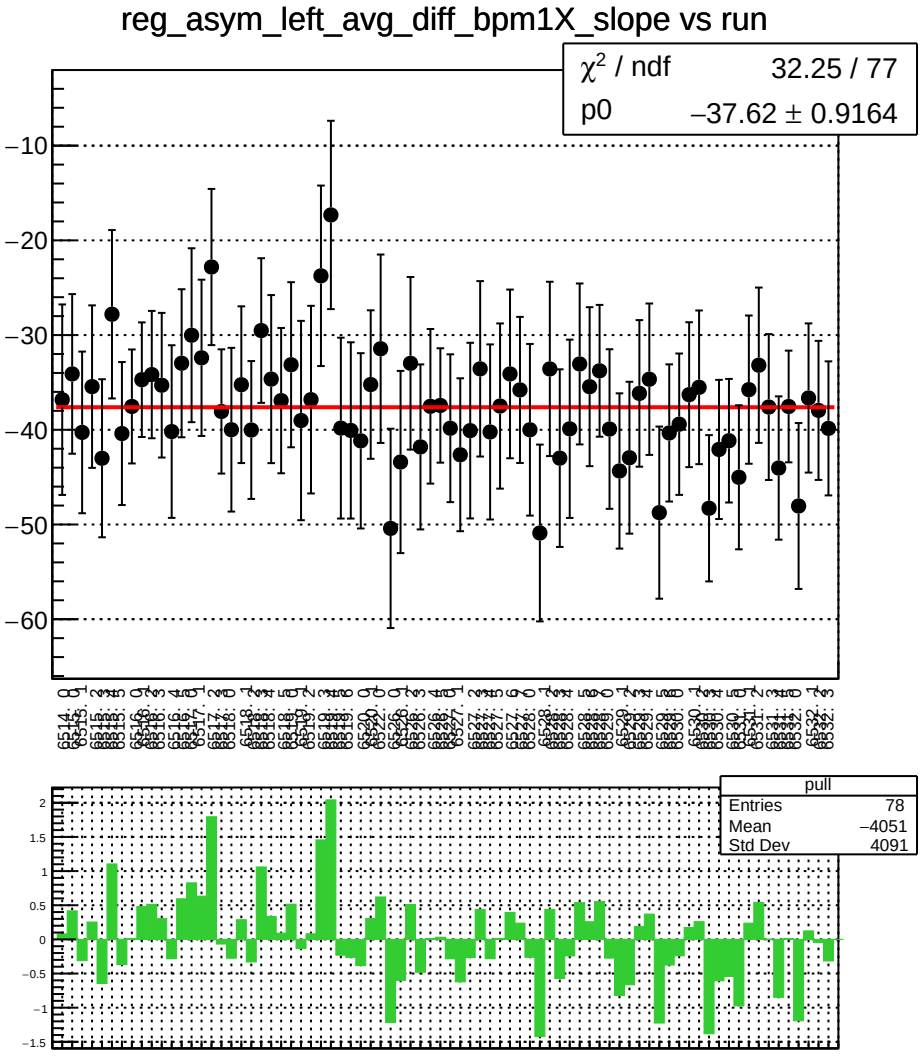

pull1D
Entries 78
Mean 0.02852
Std Dev 0.9714

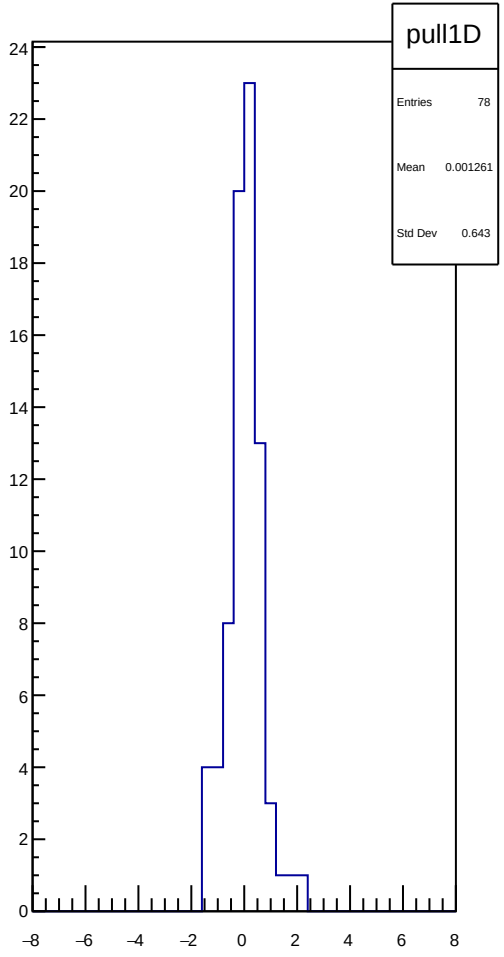

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 69.71 / 77
p0 0.05676 ± 0.09714
pull
Entries 78
Mean 73.29
Std Dev 45.18

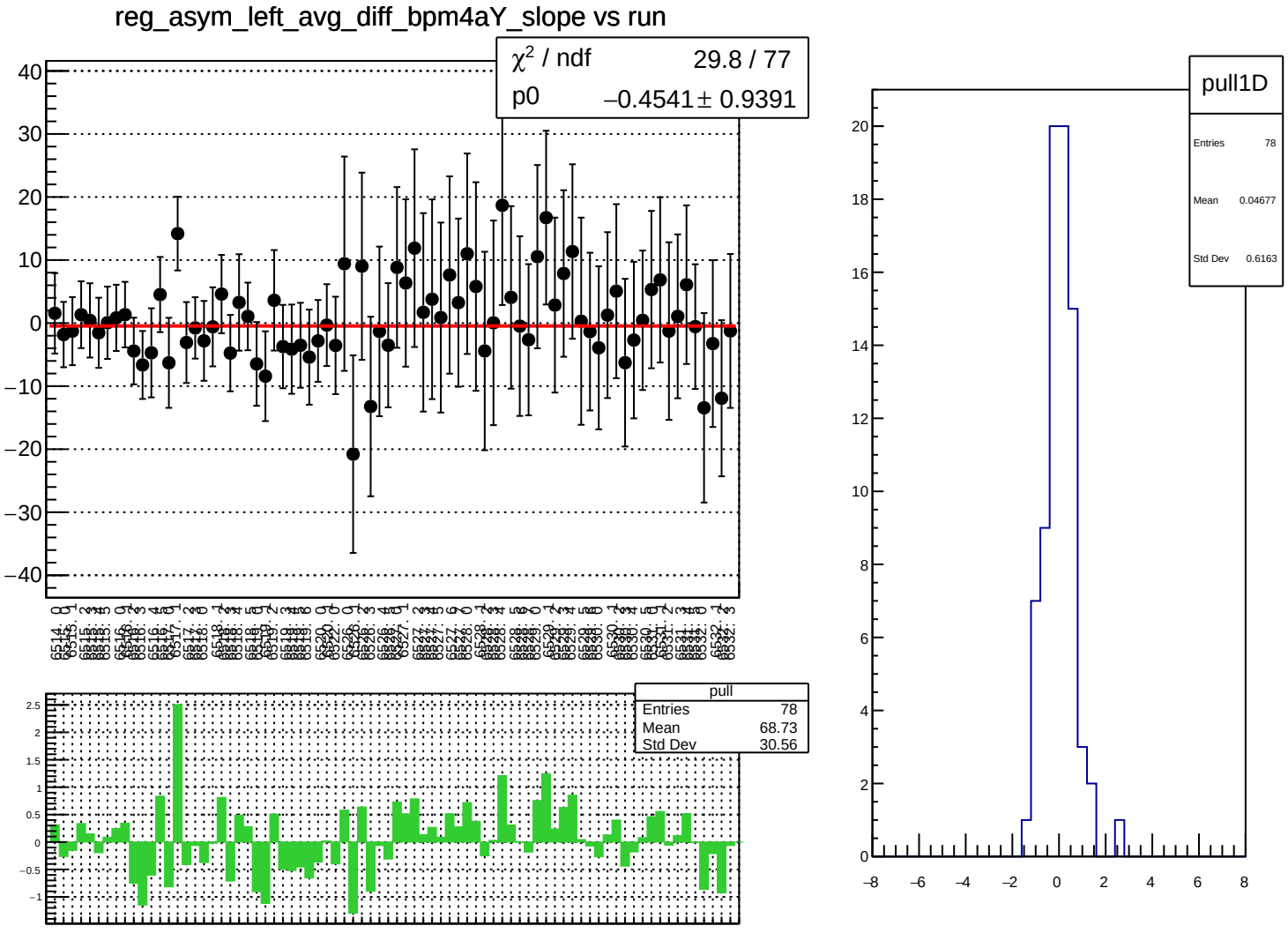

pull1D
Entries 78
Mean −0.05342
Std Dev 0.9439

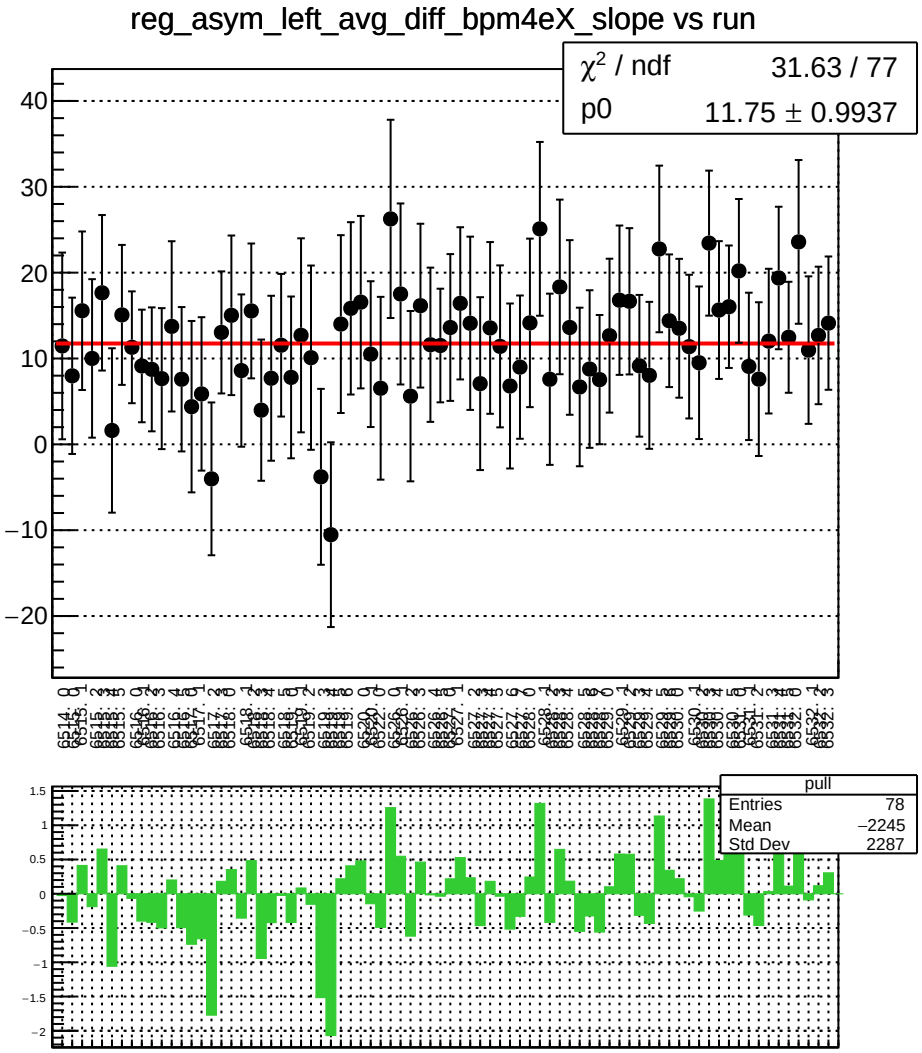

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 49.12 / 77
p0 −0.006663 ± 0.003391
pull
Entries 78
Mean 447.3
Std Dev 374.9

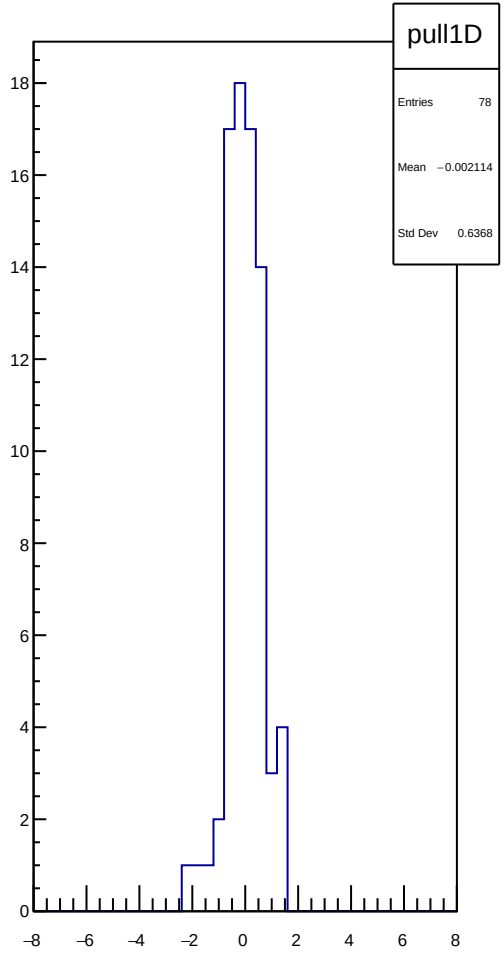

pull1D
Entries 78
Mean 0.003331
Std Dev 0.7935

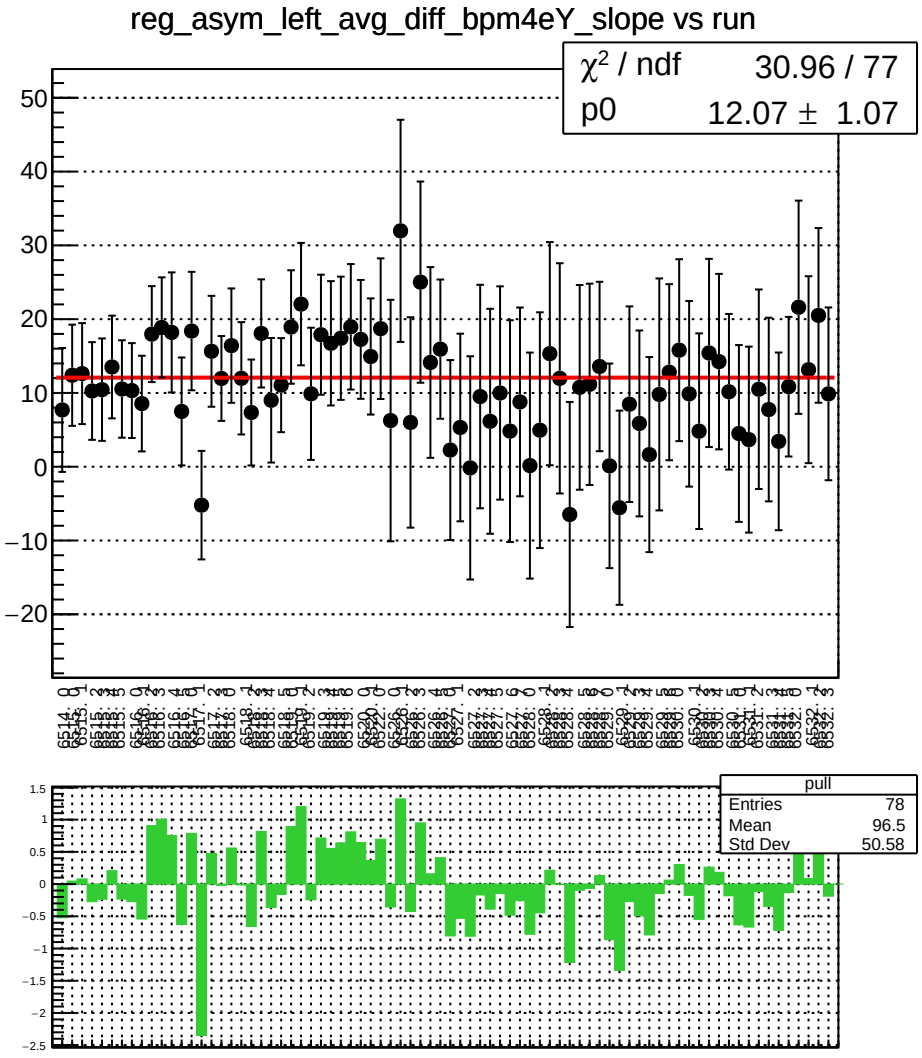

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 32.25 / 77
p0 −37.62 ± 0.9164
pull
Entries 78
Mean −4051
Std Dev 4091

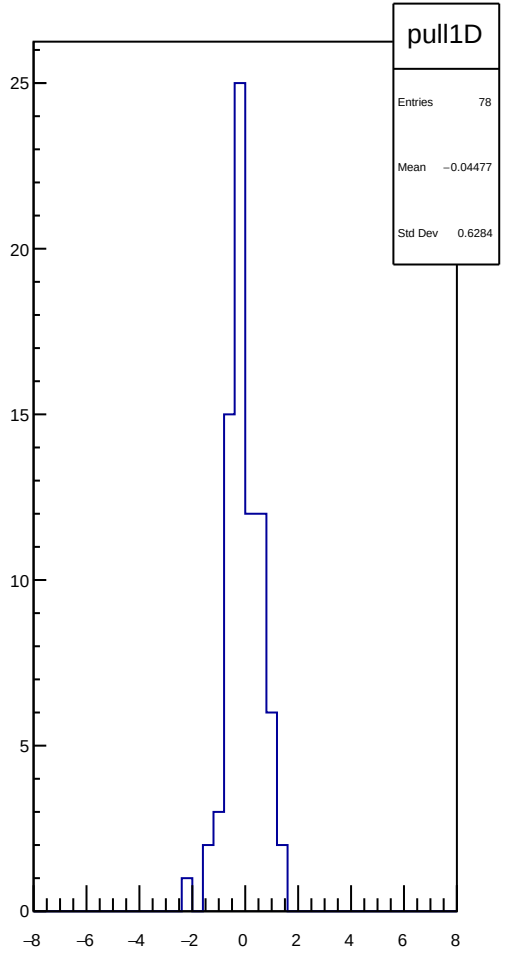

pull1D
Entries 78
Mean 0.001261
Std Dev 0.643

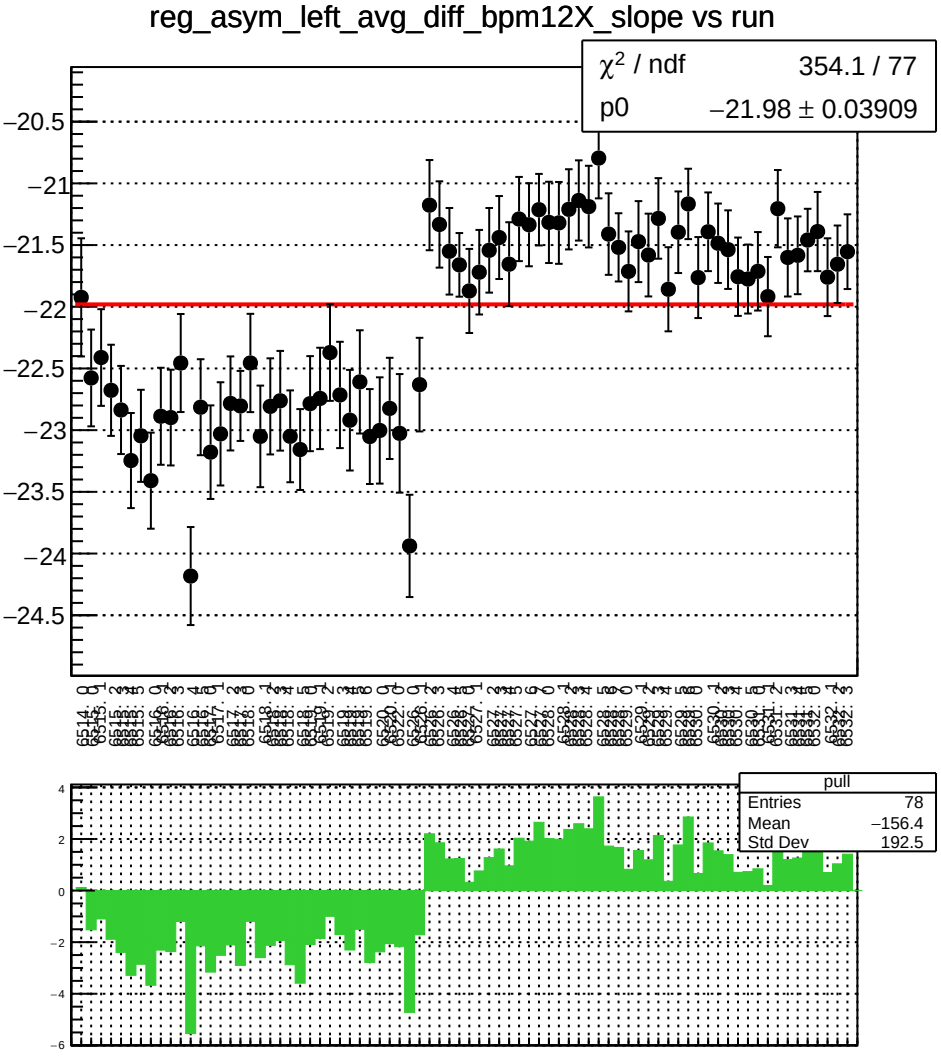

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 29.8 / 77
p0 −0.4541 ± 0.9391
pull
Entries 78
Mean 68.73
Std Dev 30.56
pull1D
Entries 78
Mean 0.04677
Std Dev 0.6163

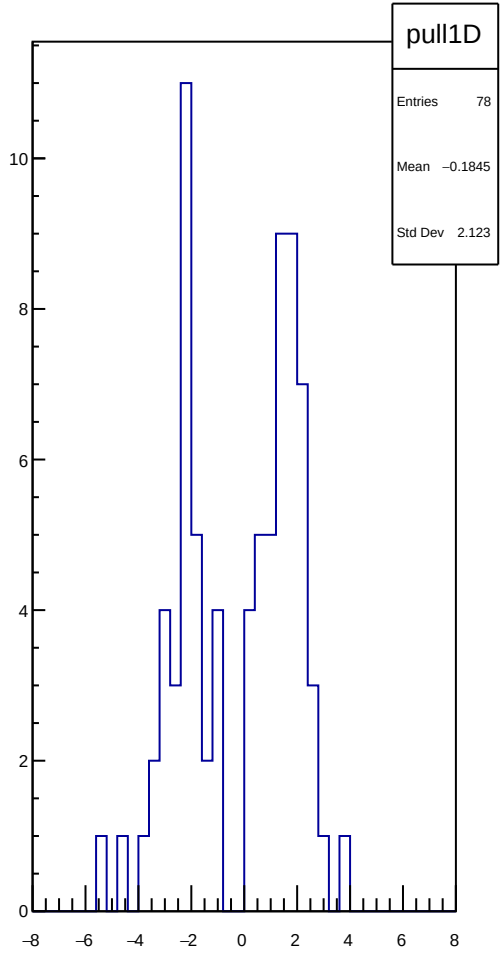

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.63 / 77
p0 11.75 ± 0.9937
pull
Entries 78
Mean −2245
Std Dev 2287

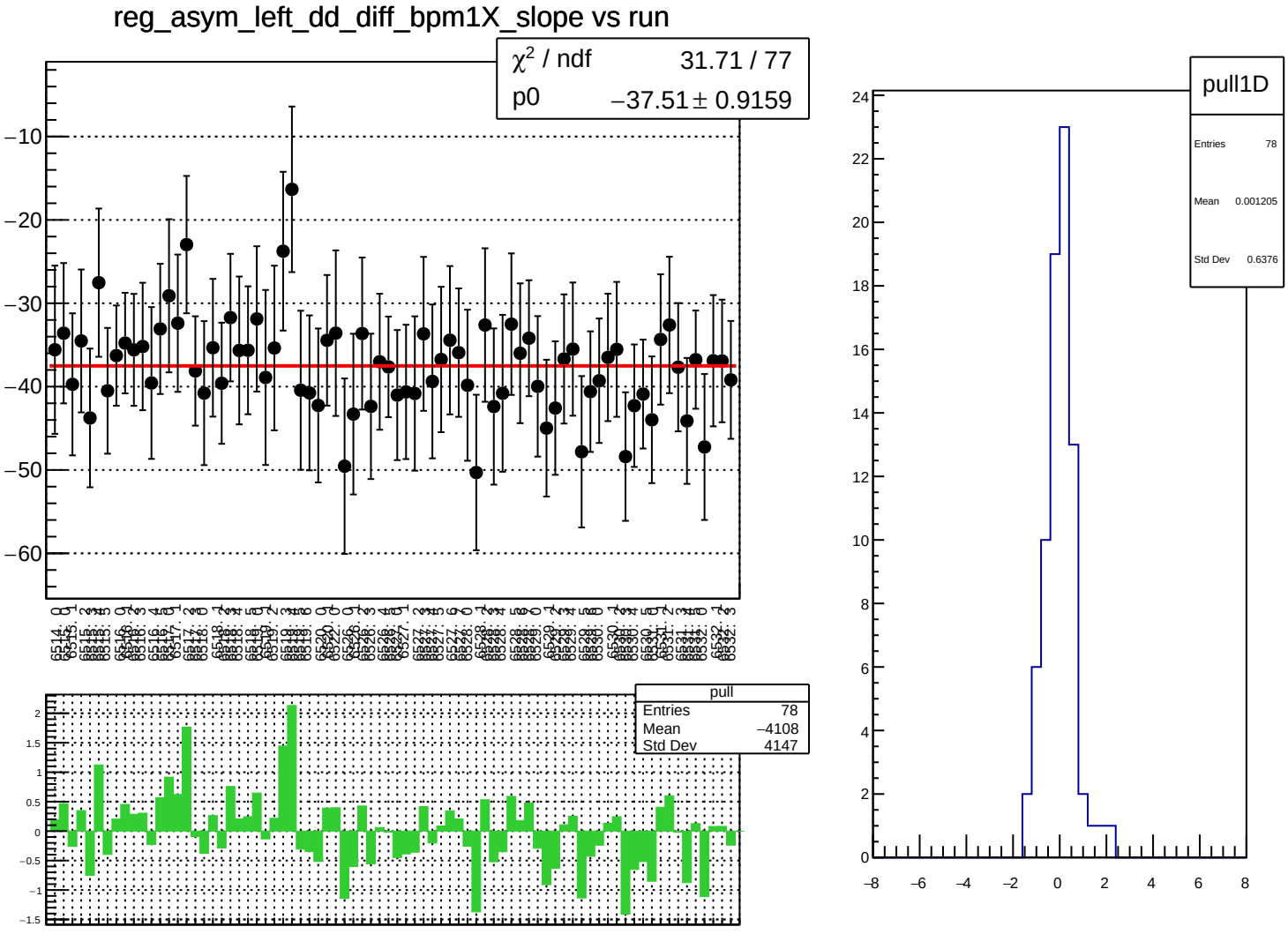

pull1D
Entries 78
Mean −0.002114
Std Dev 0.6368

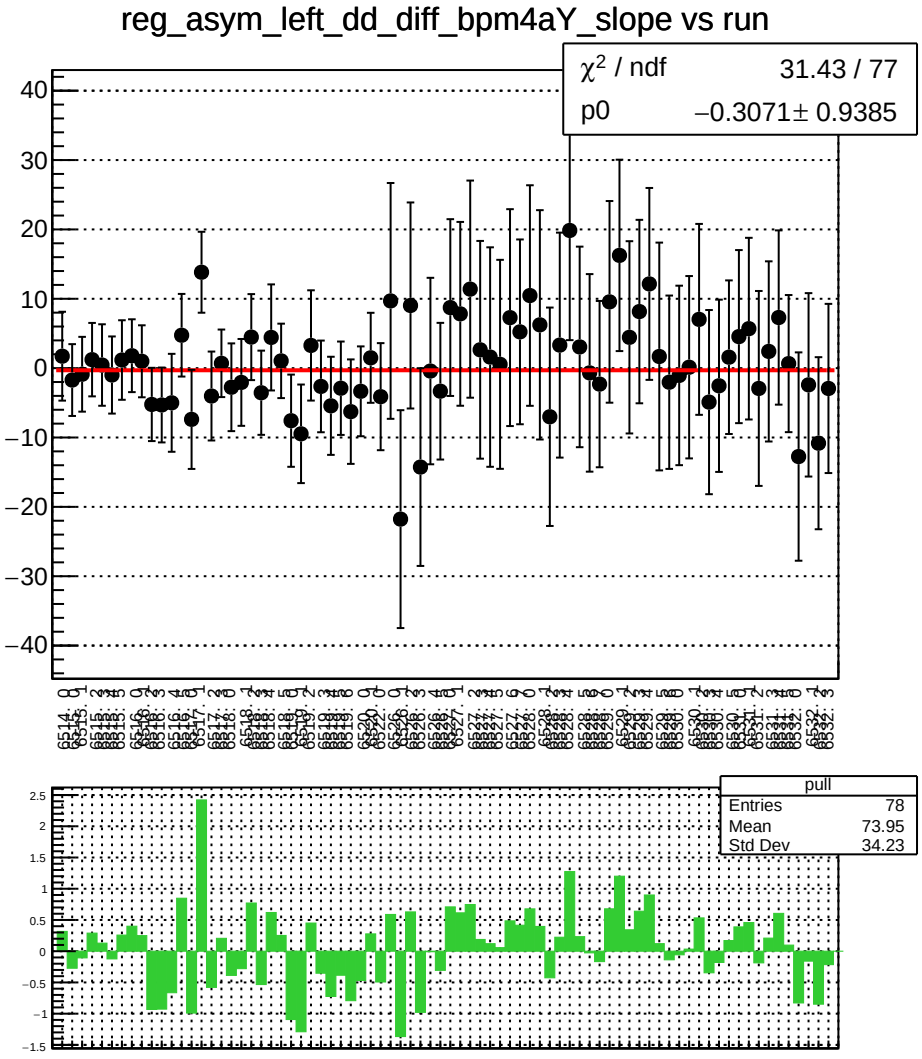

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.96 / 77
p0 12.07 ± 1.07
pull
Entries 78
Mean 96.5
Std Dev 50.58

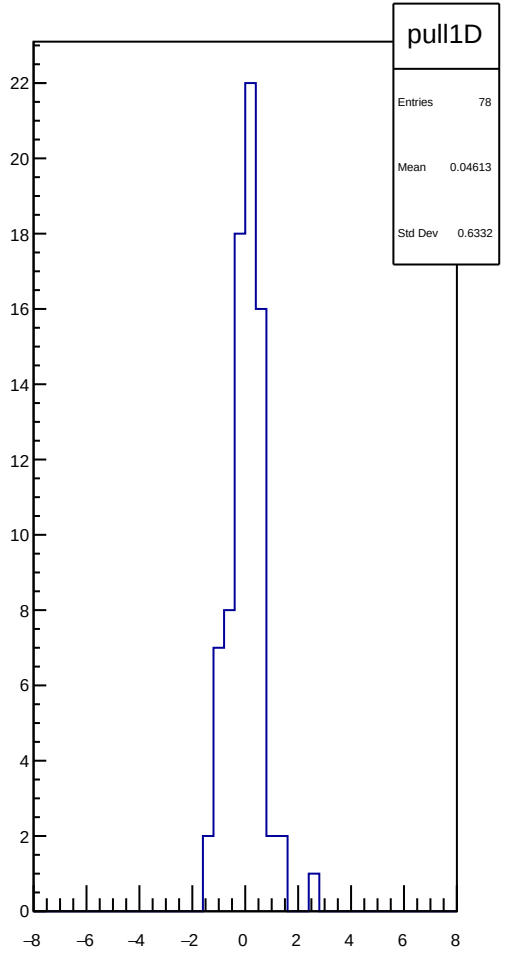

pull1D
Entries 78
Mean −0.04477
Std Dev 0.6284

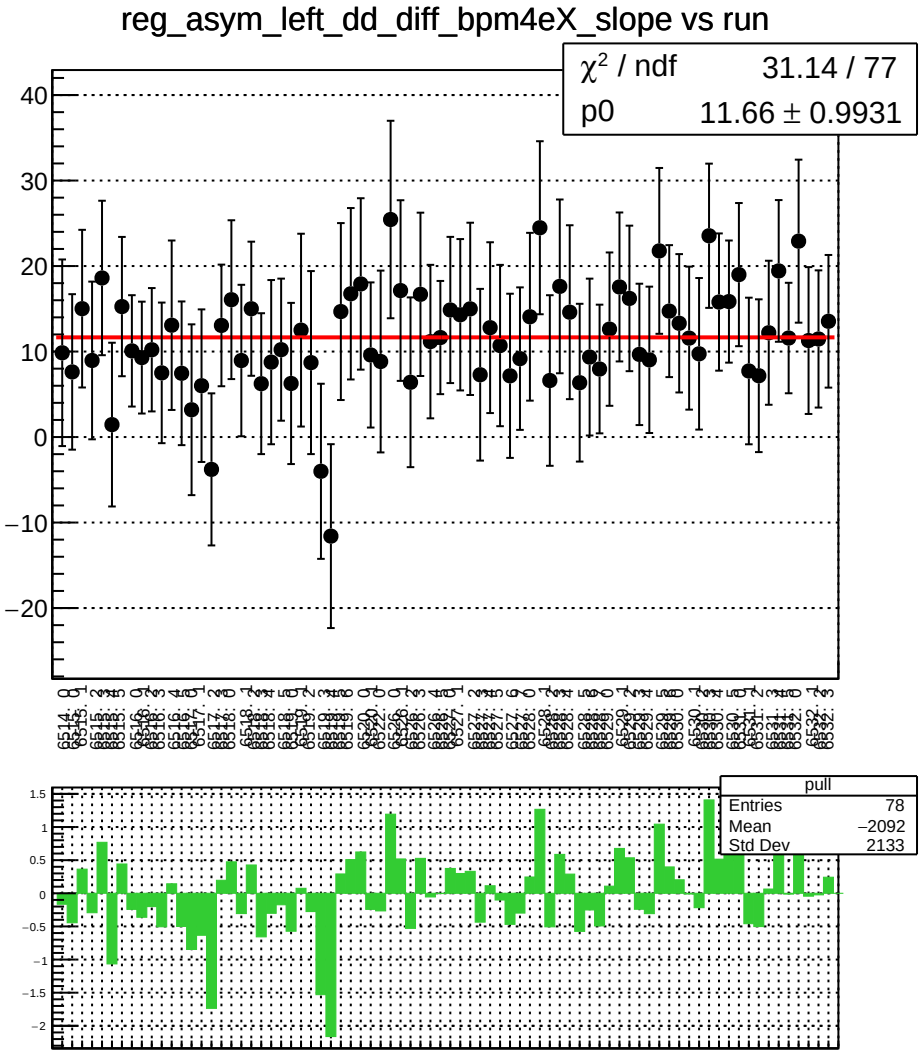

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 354.1 / 77
p0 −21.98 ± 0.03909
pull
Entries 78
Mean −156.4
Std Dev 192.5

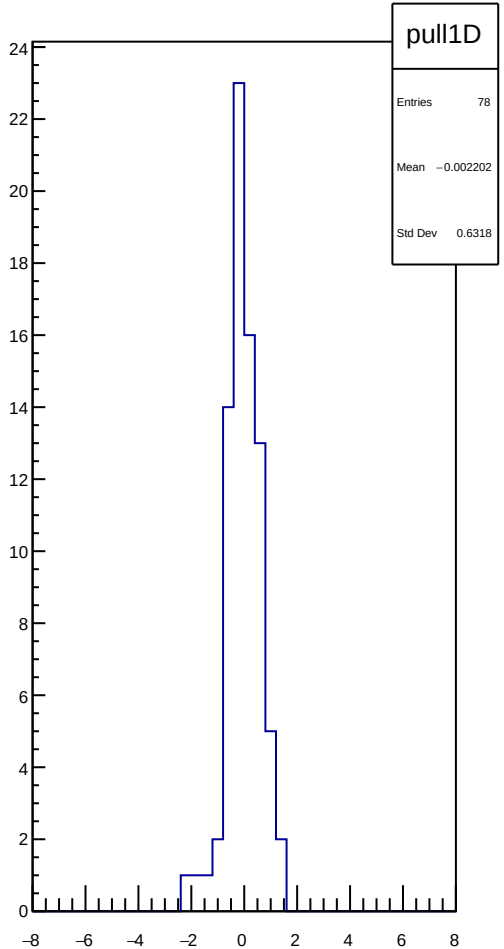

pull1D
Entries 78
Mean −0.1845
Std Dev 2.123

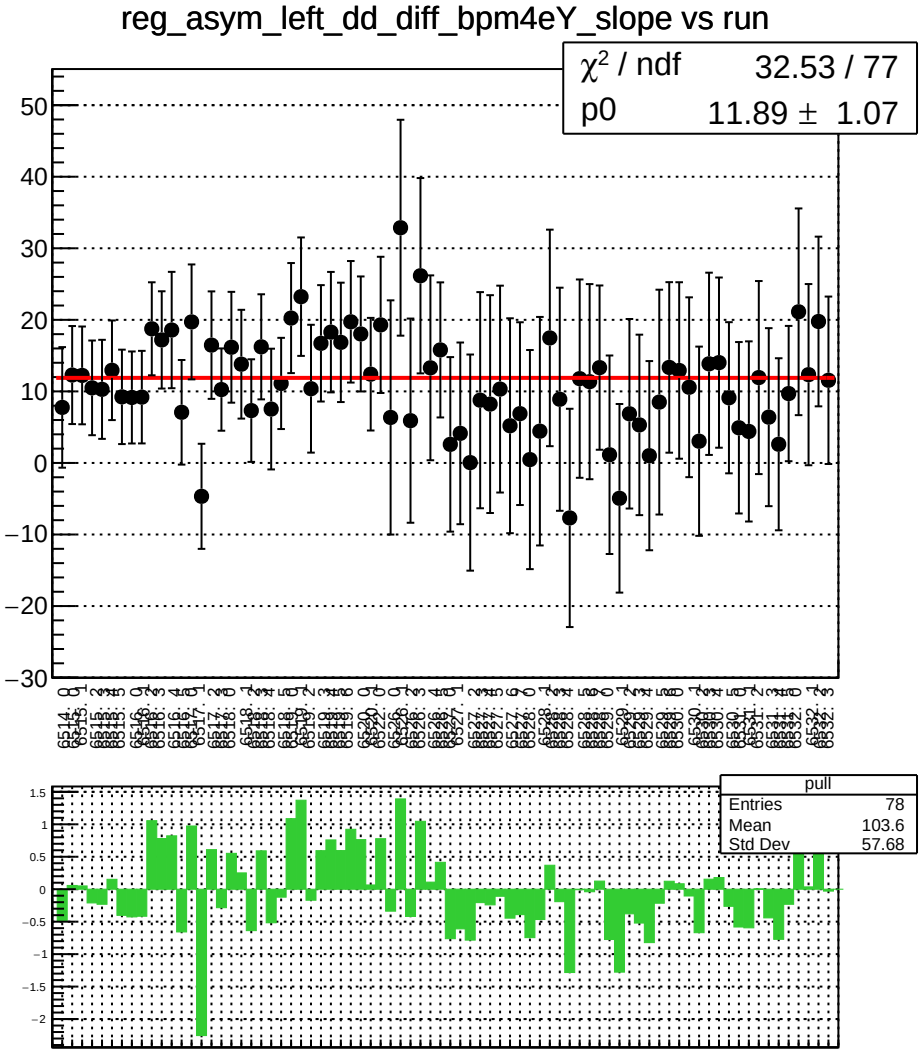

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.71 / 77
p0 −37.51 ± 0.9159
pull
Entries 78
Mean −4108
Std Dev 4147
pull1D
Entries 78
Mean 0.001205
Std Dev 0.6376

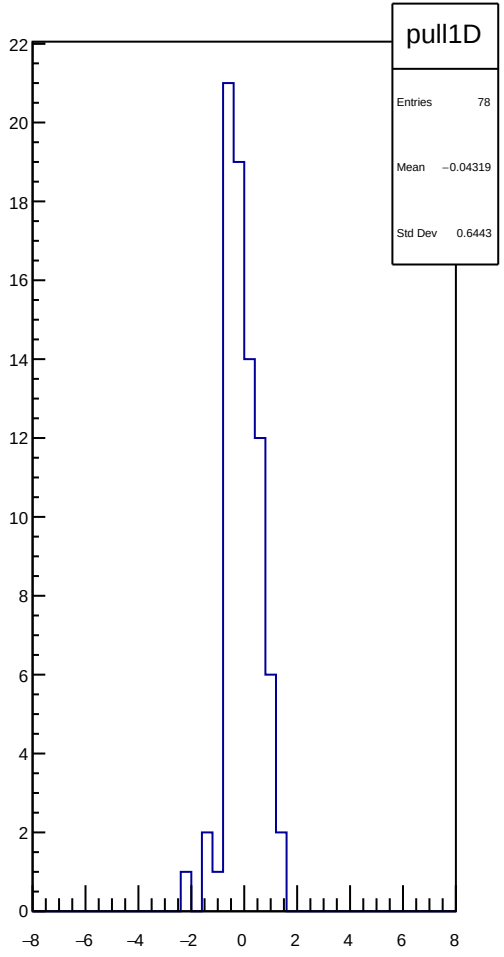

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.43 / 77
p0 −0.3071 ± 0.9385
pull
Entries 78
Mean 73.95
Std Dev 34.23

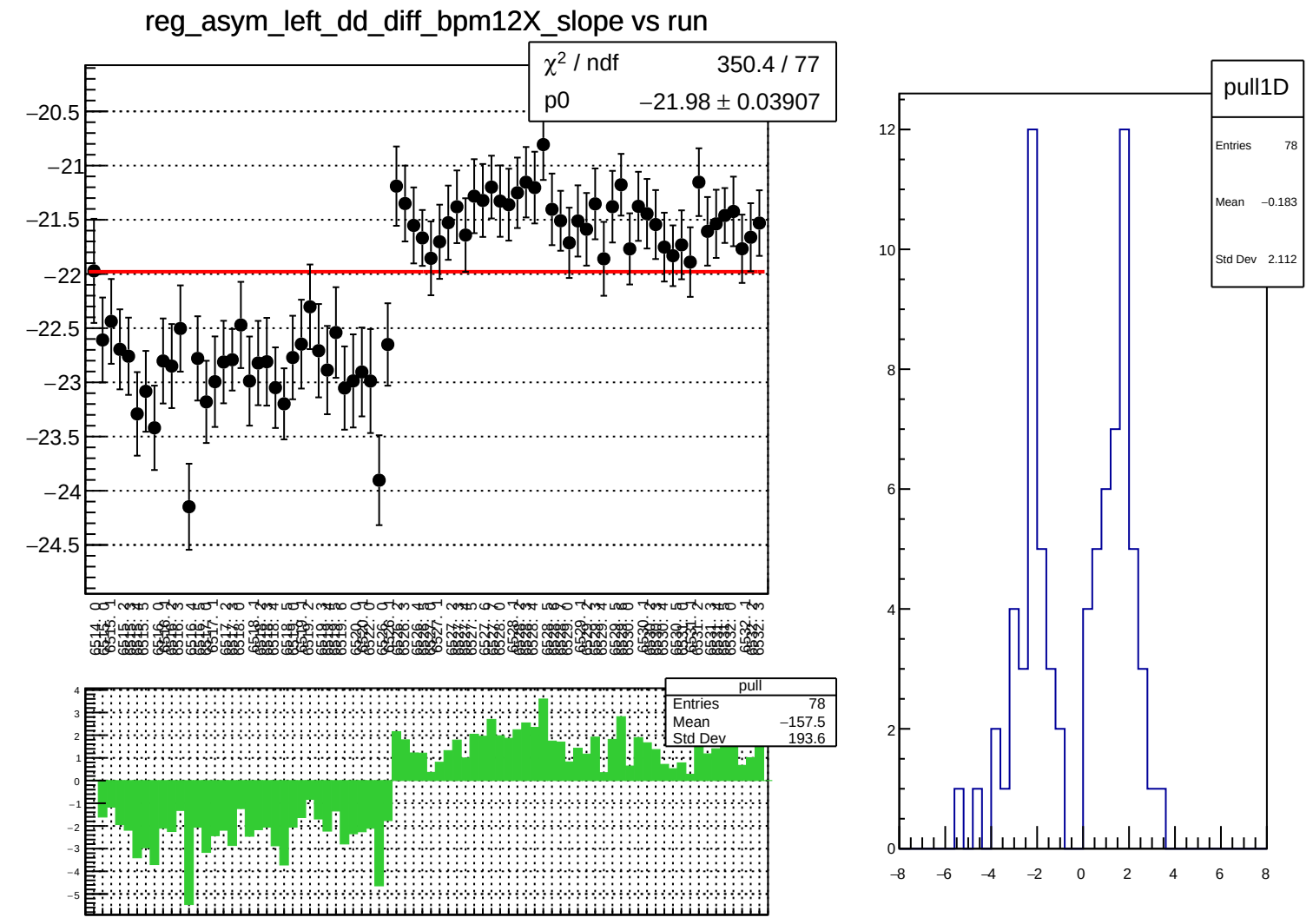

pull1D
Entries 78
Mean 0.04613
Std Dev 0.6332

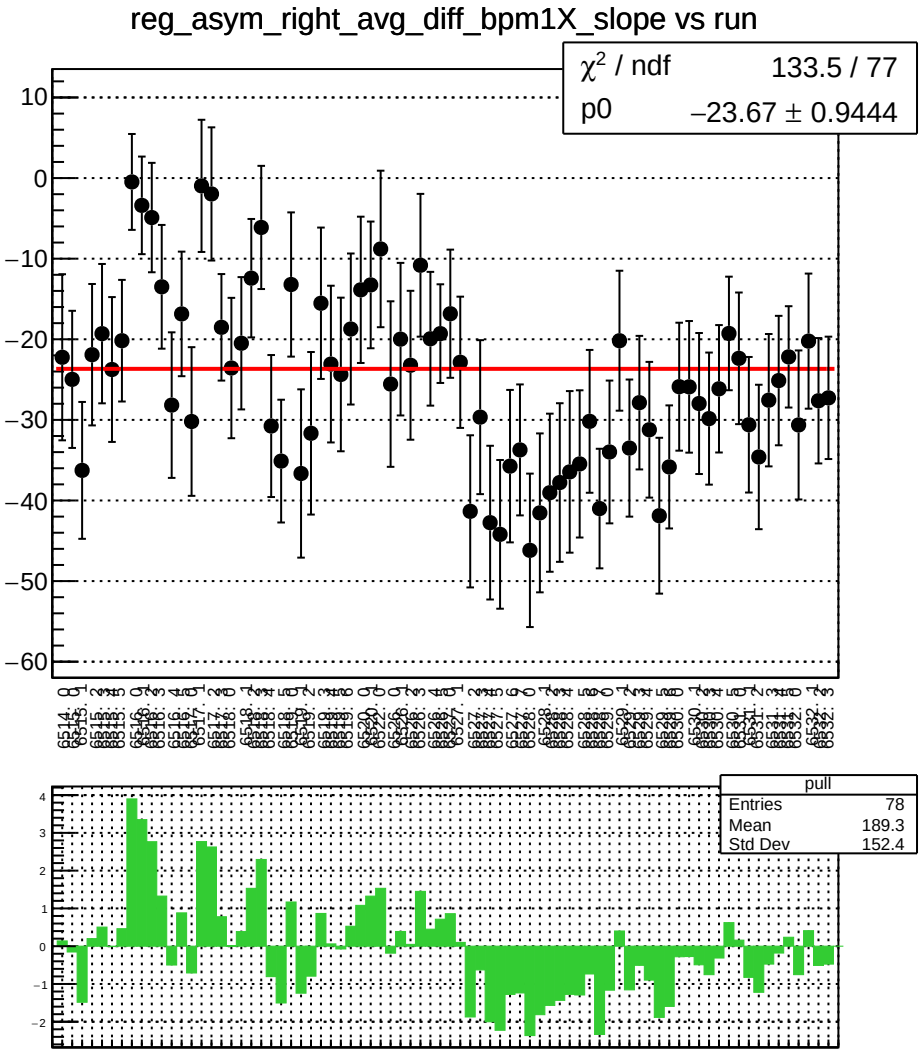

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.14 / 77
p0 11.66 ± 0.9931
pull
Entries 78
Mean −2092
Std Dev 2133

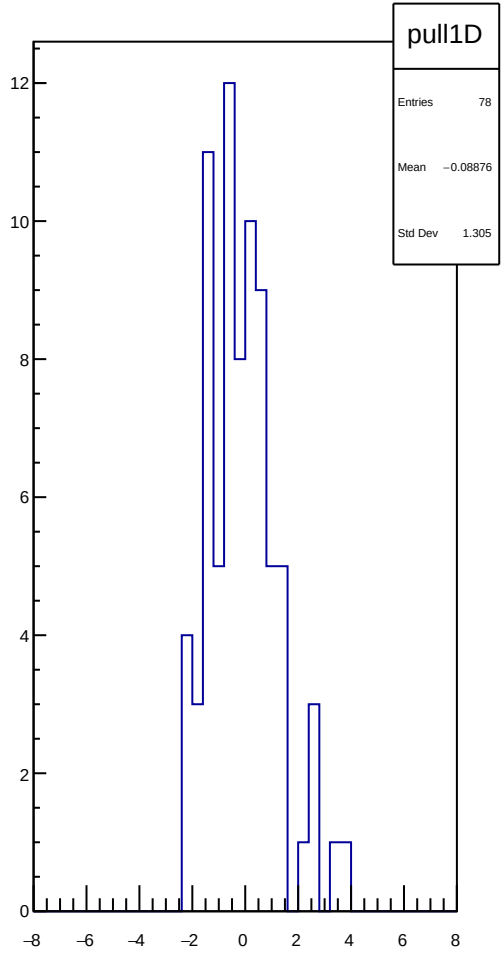

pull1D
Entries 78
Mean −0.002202
Std Dev 0.6318

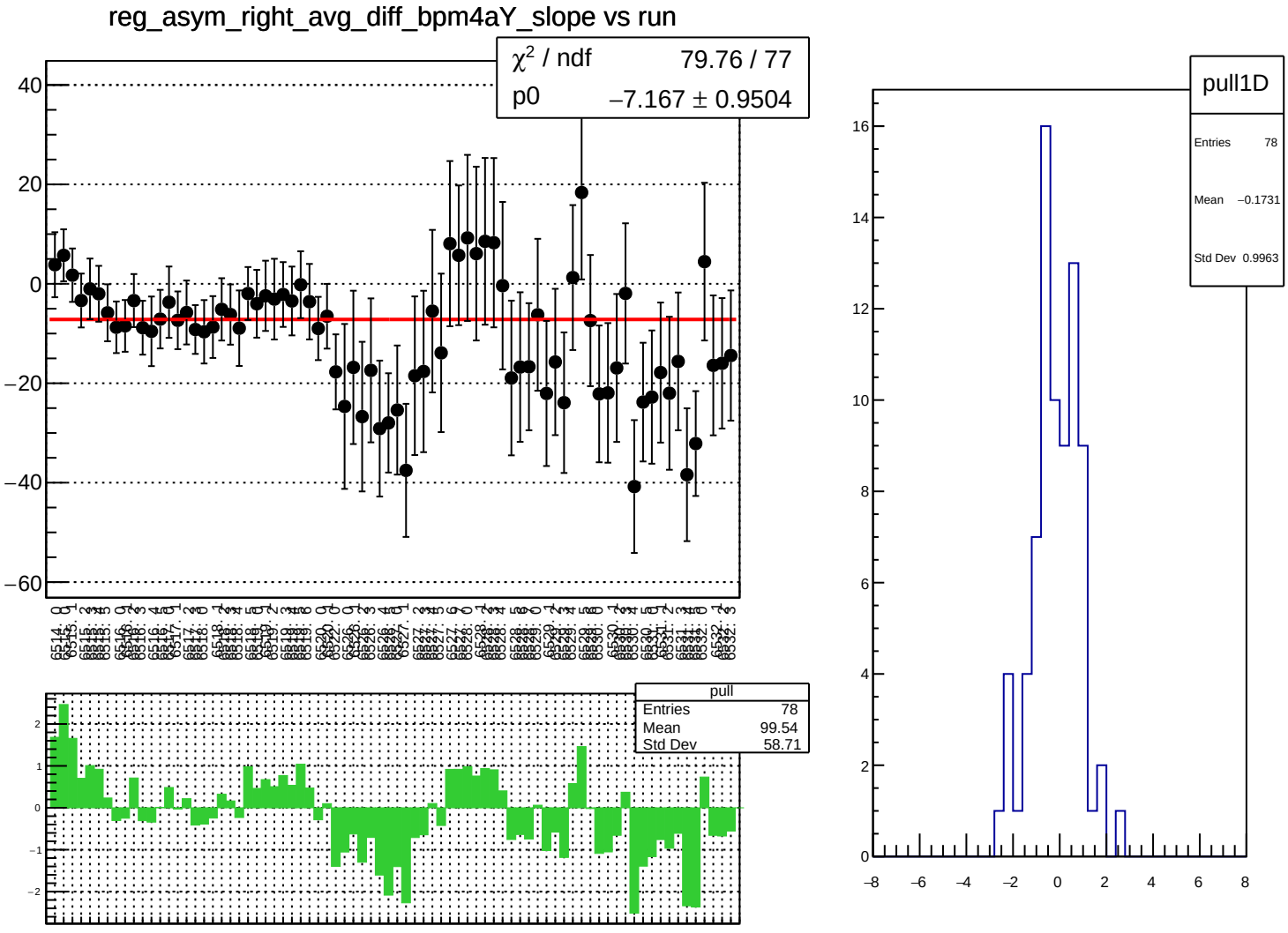

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.53 / 77
p0 11.89 ± 1.07
pull
Entries 78
Mean 103.6
Std Dev 57.68

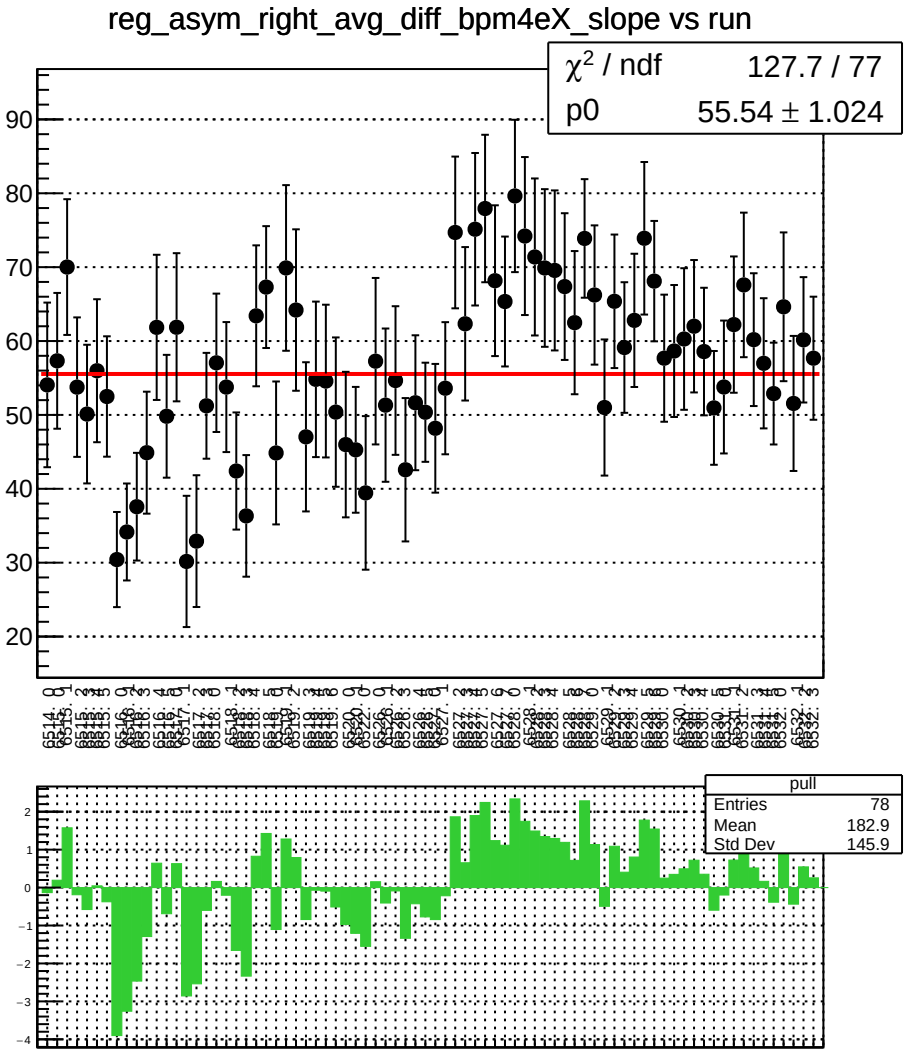

pull1D
Entries 78
Mean −0.04319
Std Dev 0.6443

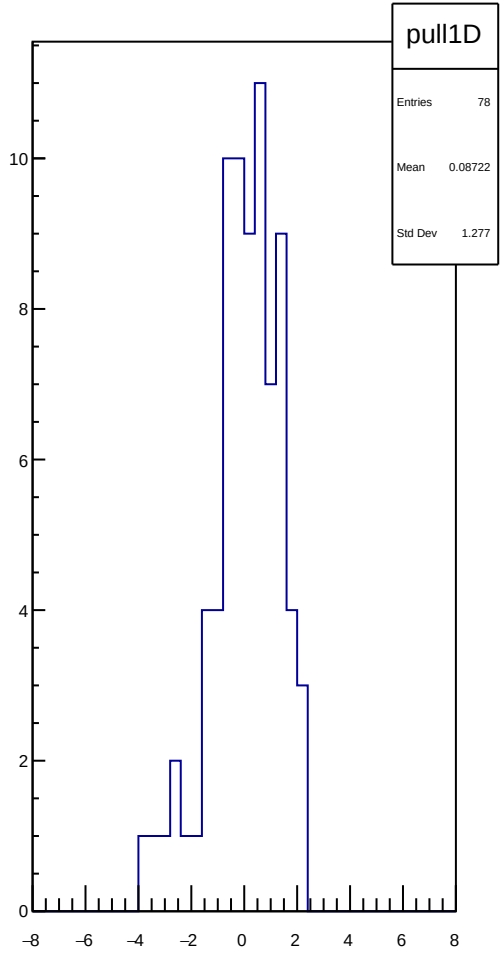

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 350.4 / 77
p0 −21.98 ± 0.03907
pull
Entries 78
Mean −157.5
Std Dev 193.6
pull1D
Entries 78
Mean −0.183
Std Dev 2.112

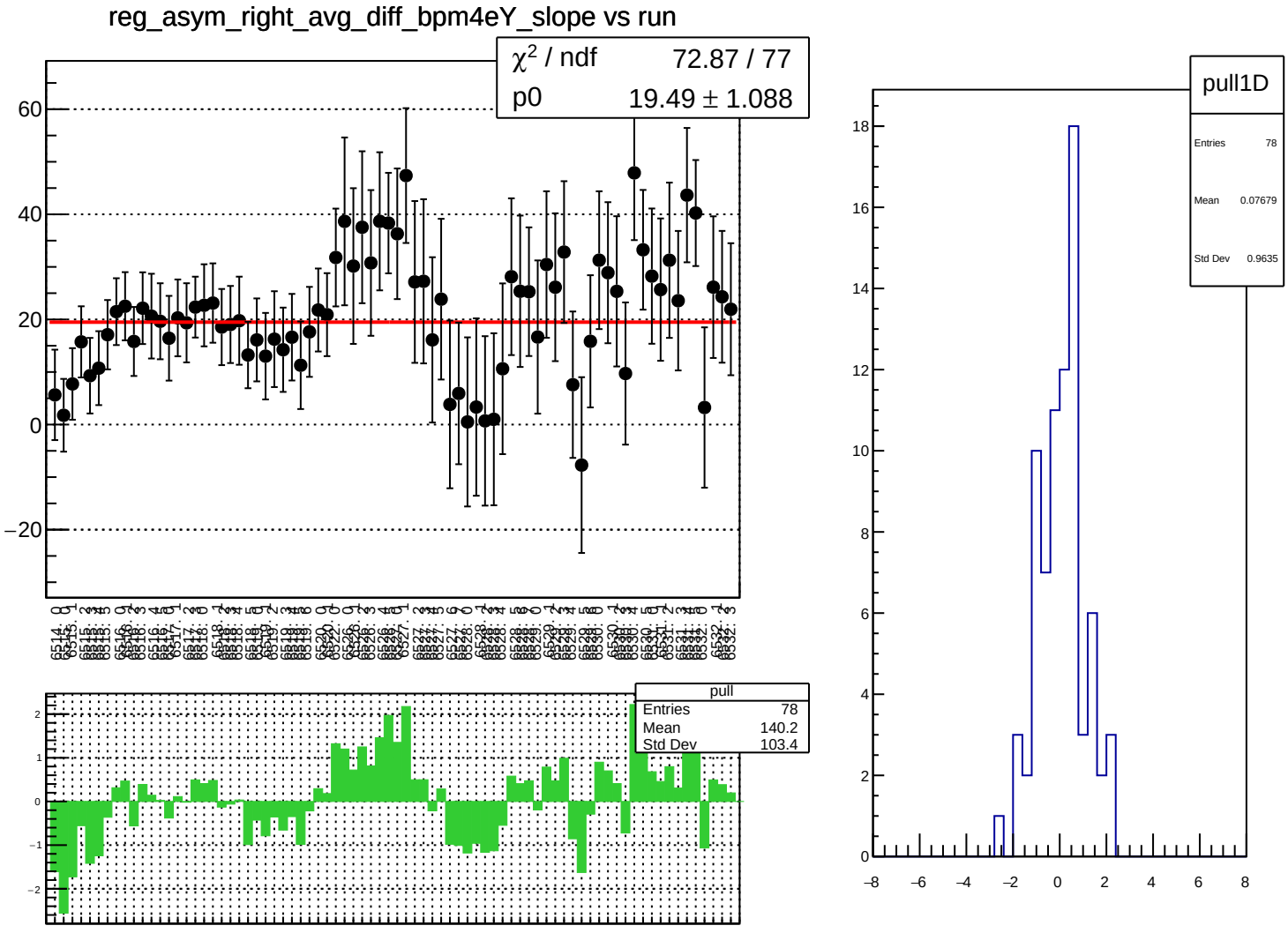

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 133.5 / 77
p0 −23.67 ± 0.9444
pull
Entries 78
Mean 189.3
Std Dev 152.4

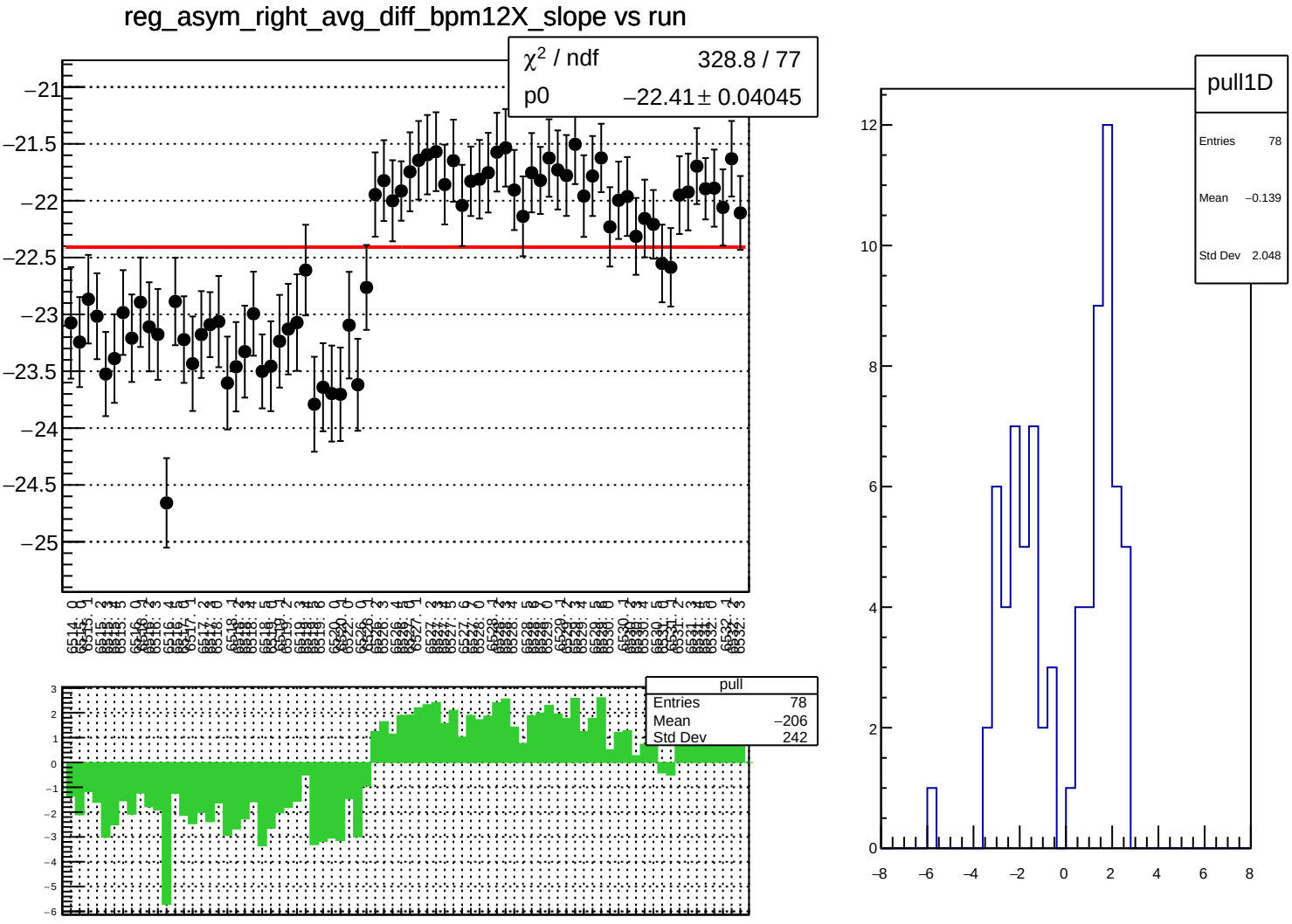

pull1D
Entries 78
Mean −0.08876
Std Dev 1.305

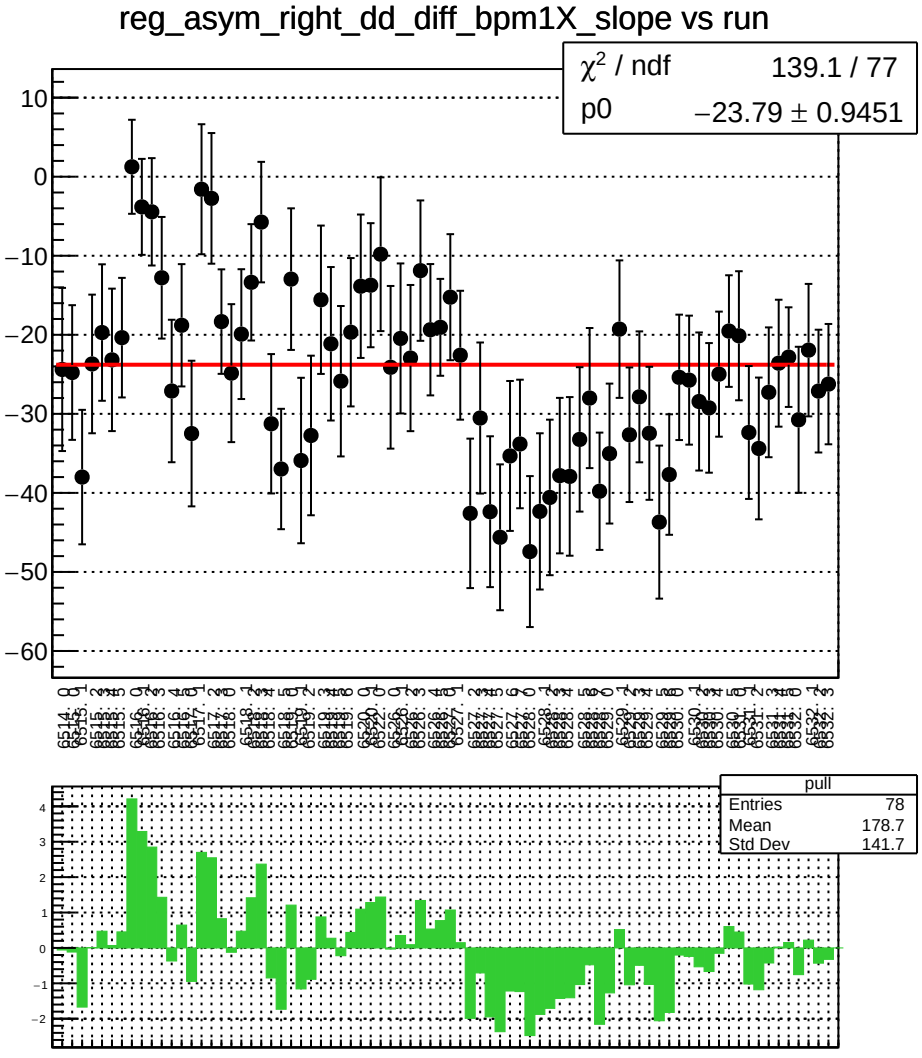

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.76 / 77
p0 −7.167 ± 0.9504
pull
Entries 78
Mean 99.54
Std Dev 58.71
pull1D
Entries 78
Mean −0.1731
Std Dev 0.9963

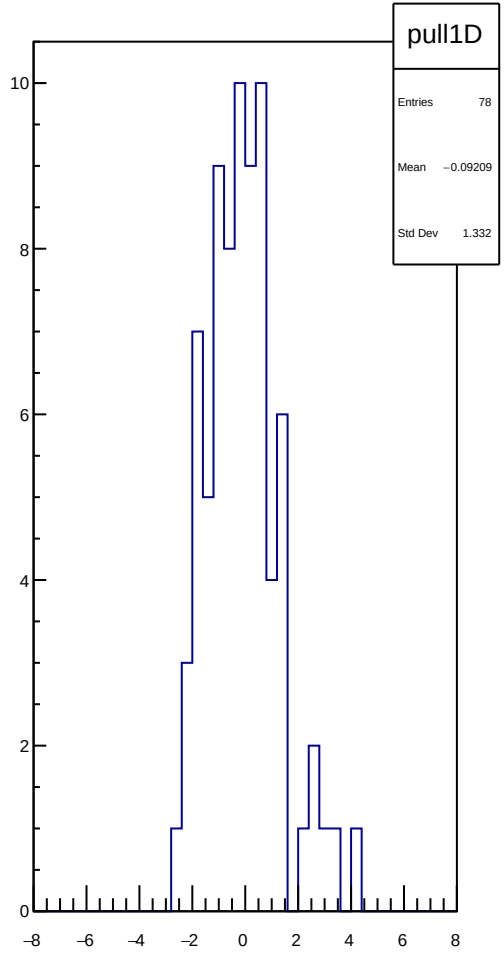

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 127.7 / 77
p0 55.54 ± 1.024
pull
Entries 78
Mean 182.9
Std Dev 145.9

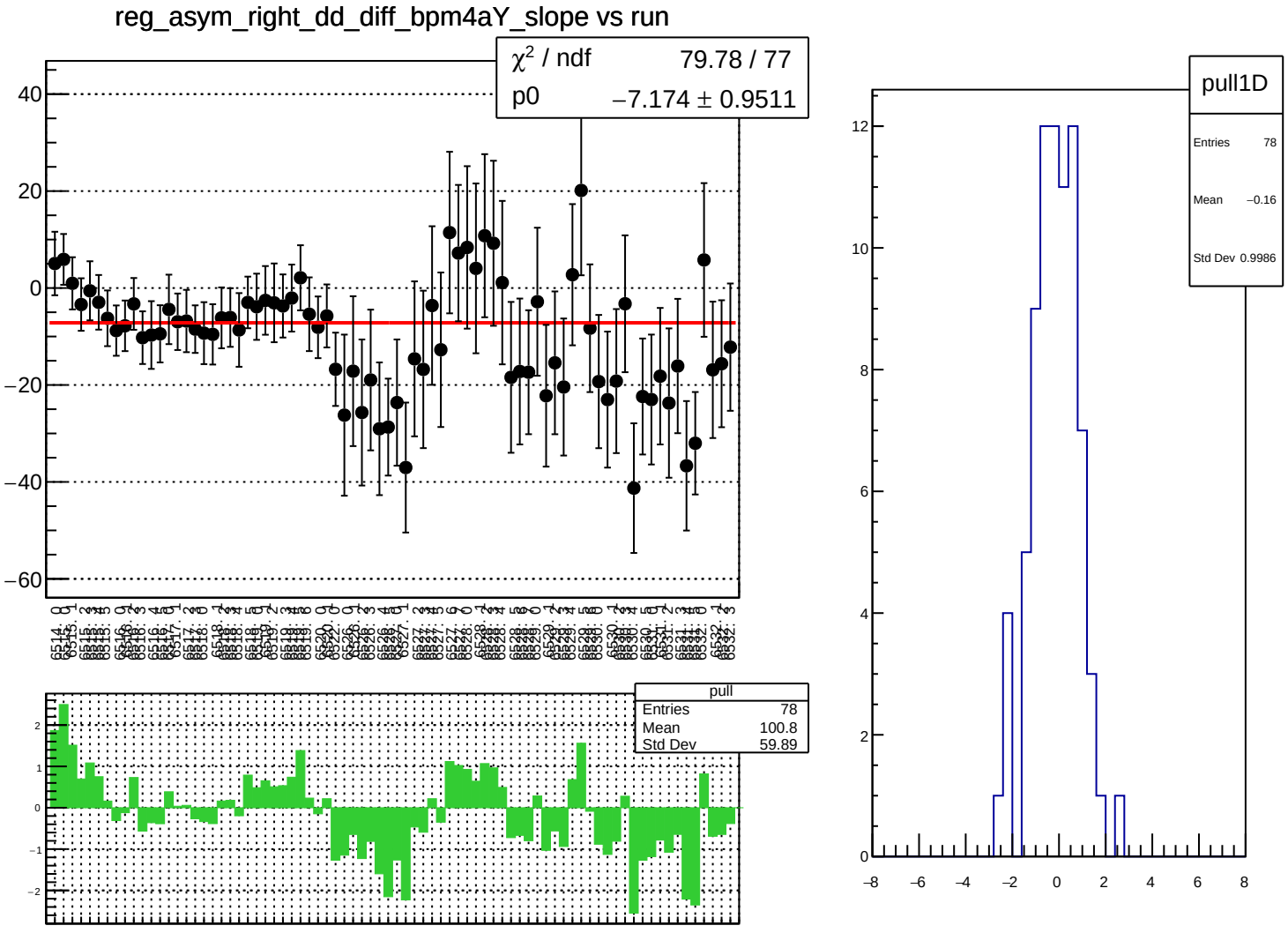

pull1D
Entries 78
Mean 0.08722
Std Dev 1.277

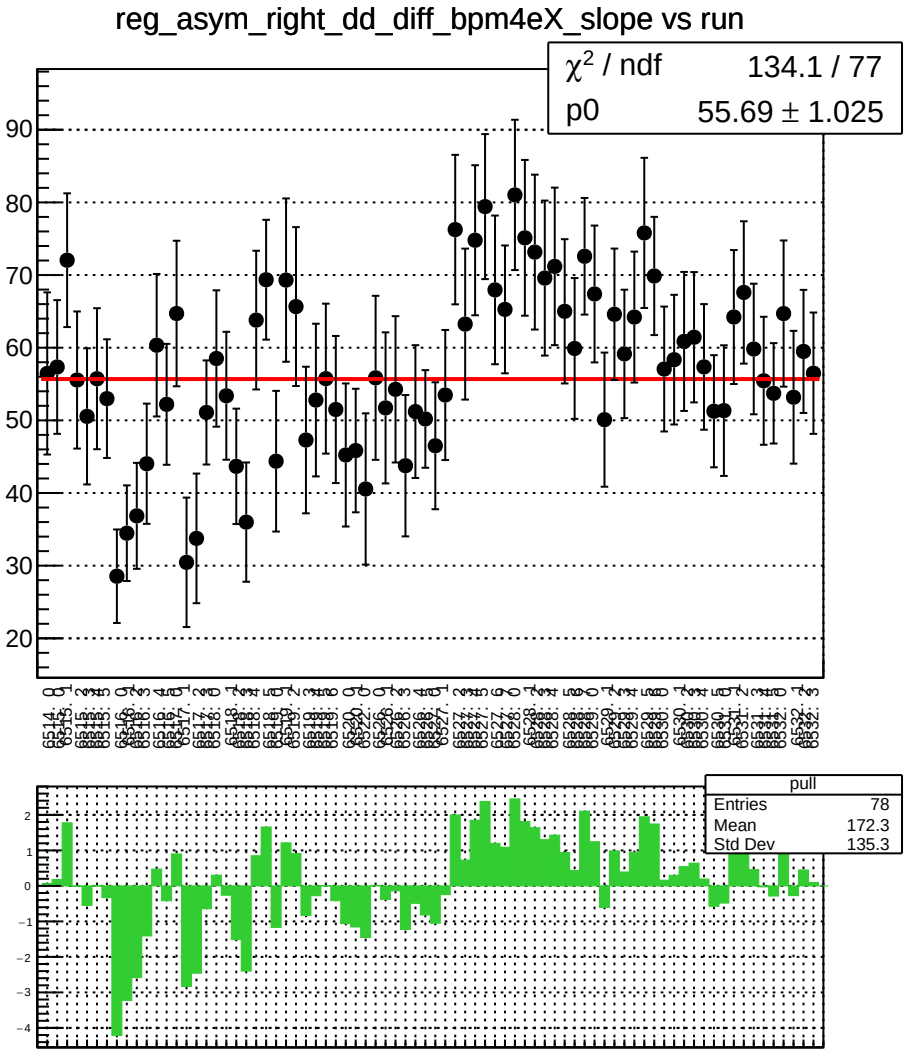

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.87 / 77
p0 19.49 ± 1.088
pull
Entries 78
Mean 140.2
Std Dev 103.4
pull1D
Entries 78
Mean 0.07679
Std Dev 0.9635

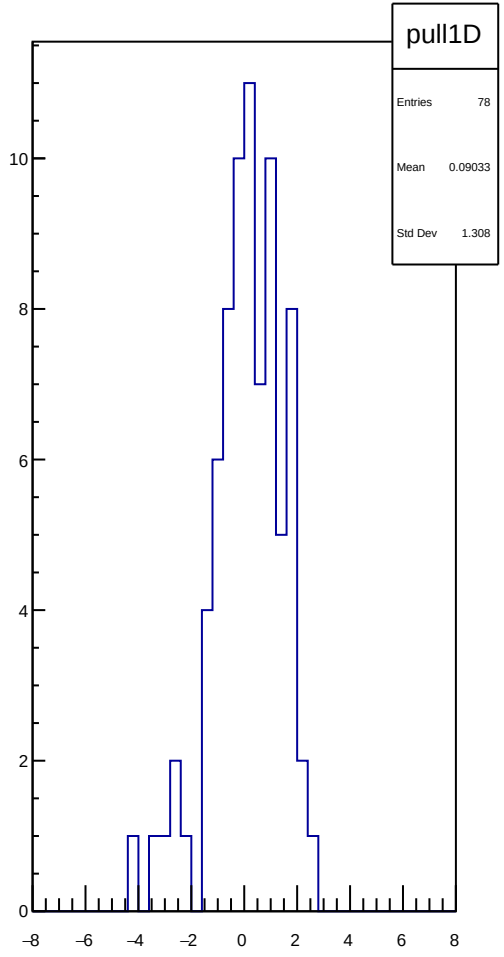

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 328.8 / 77
p0 −22.41 ± 0.04045
pull
Entries 78
Mean −206
Std Dev 242
pull1D
Entries 78
Mean −0.139
Std Dev 2.048

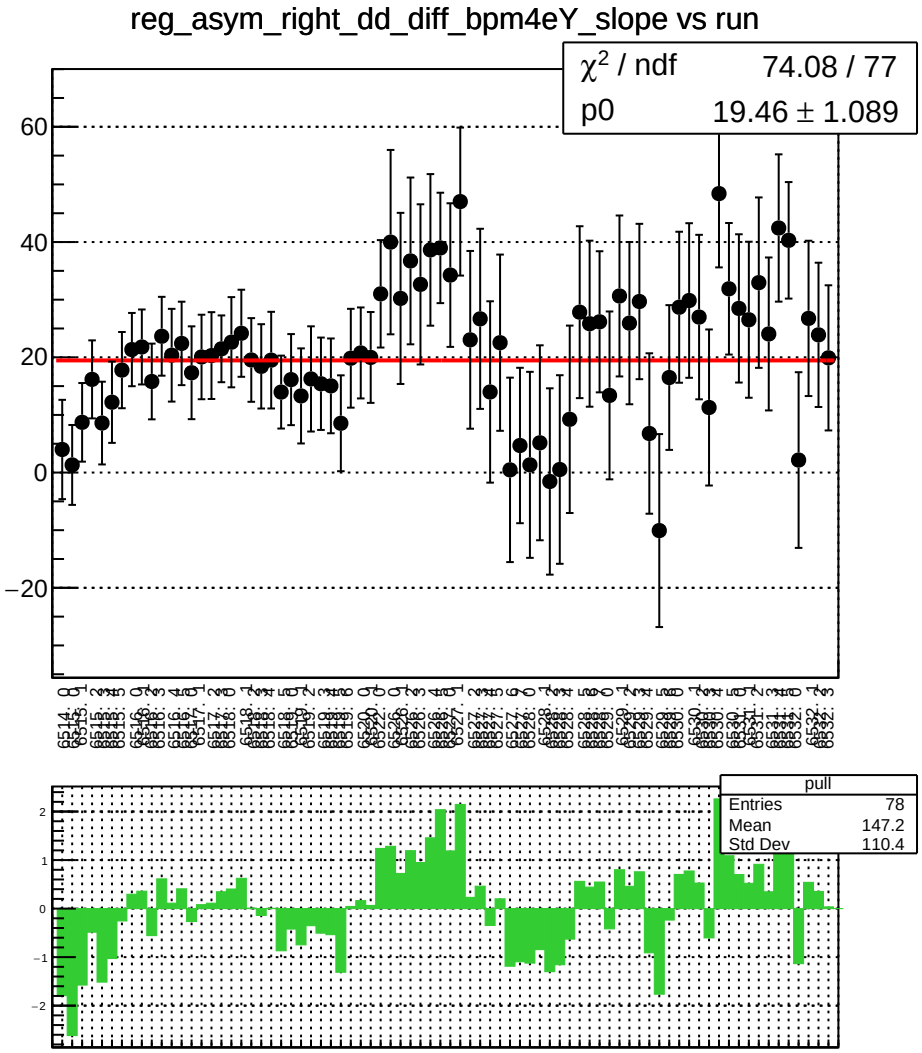

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 139.1 / 77
p0 −23.79 ± 0.9451
pull
Entries 78
Mean 178.7
Std Dev 141.7

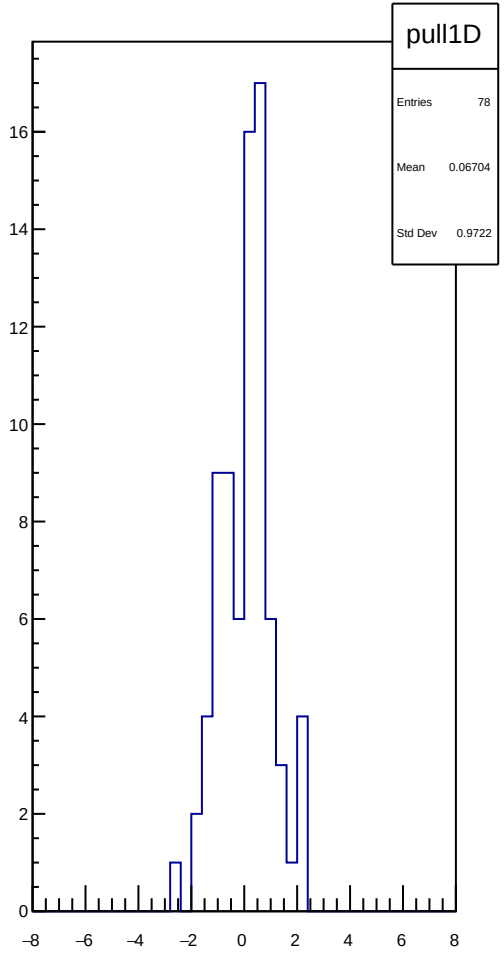

pull1D
Entries 78
Mean −0.09209
Std Dev 1.332

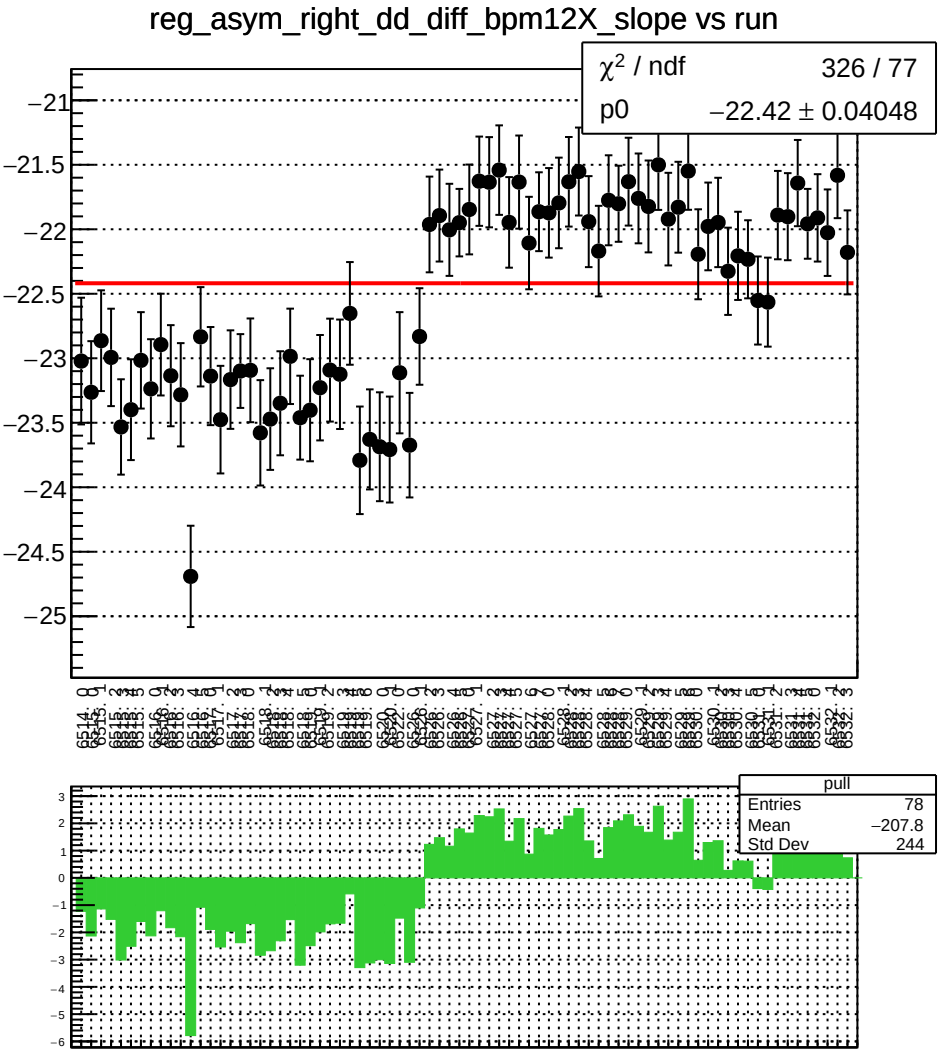

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 79.78 / 77
p0 −7.174 ± 0.9511
pull
Entries 78
Mean 100.8
Std Dev 59.89
pull1D
Entries 78
Mean −0.16
Std Dev 0.9986

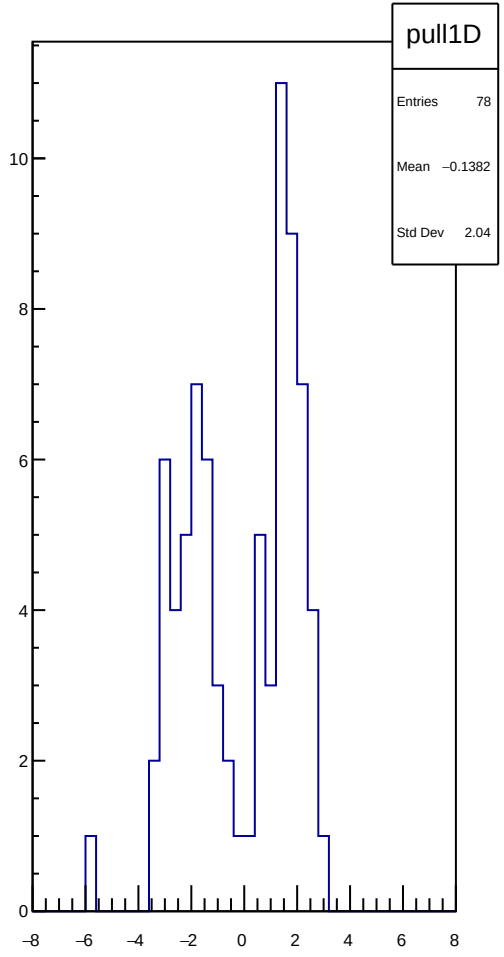

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 134.1 / 77
p0 55.69 ± 1.025
pull
Entries 78
Mean 172.3
Std Dev 135.3

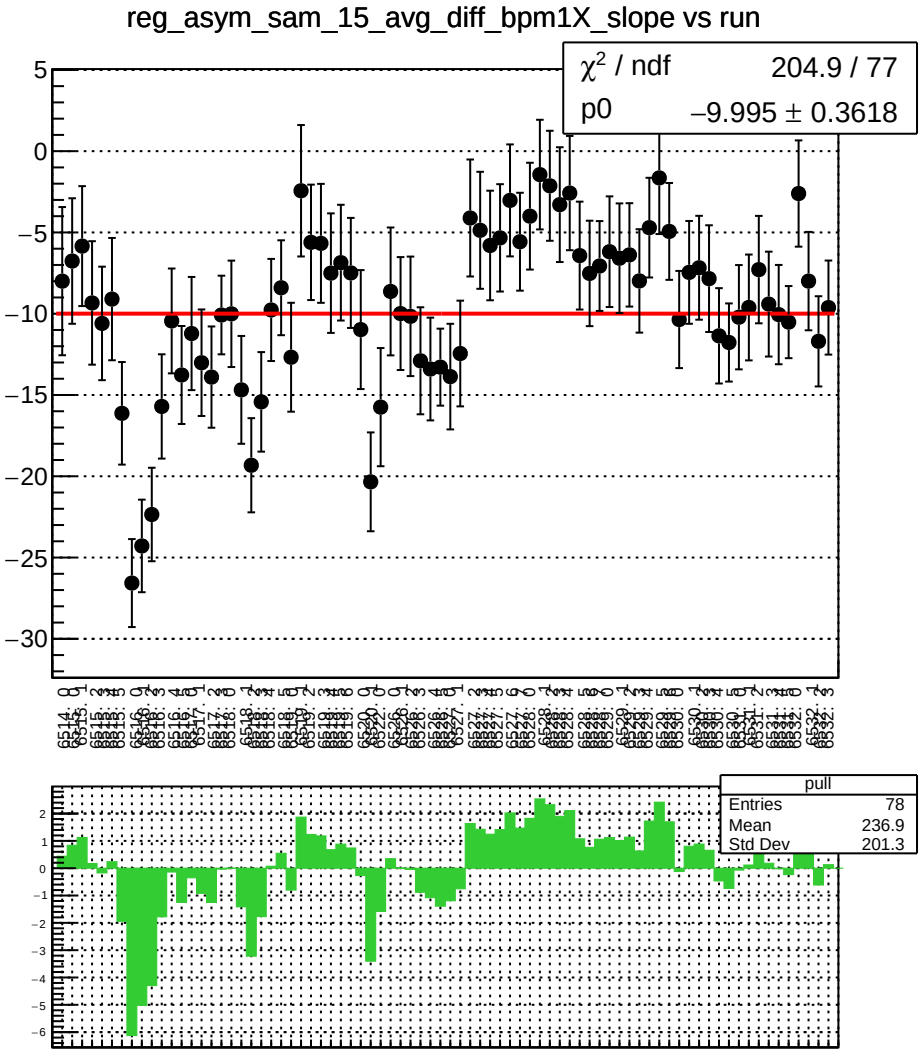

pull1D
Entries 78
Mean 0.09033
Std Dev 1.308

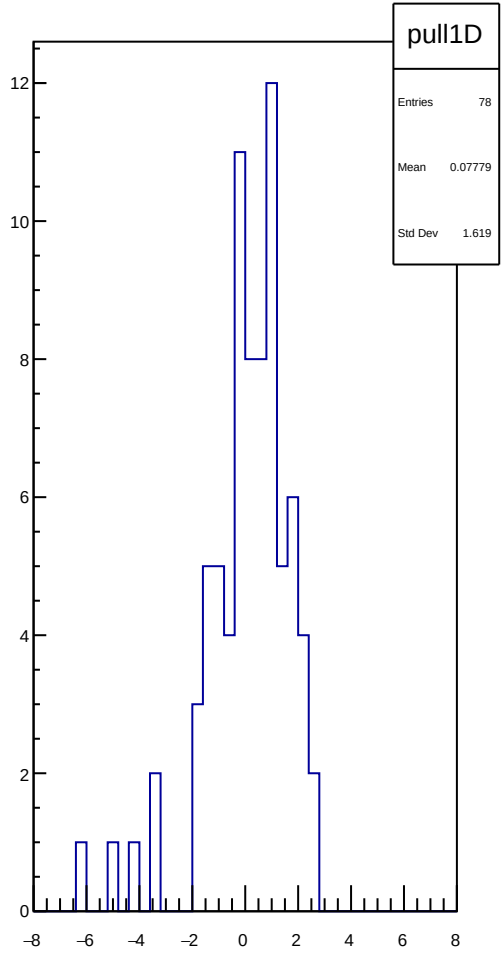

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 74.08 / 77
p0 19.46 ± 1.089
pull
Entries 78
Mean 147.2
Std Dev 110.4


pull1D
Entries 78
Mean 0.06704
Std Dev 0.9722

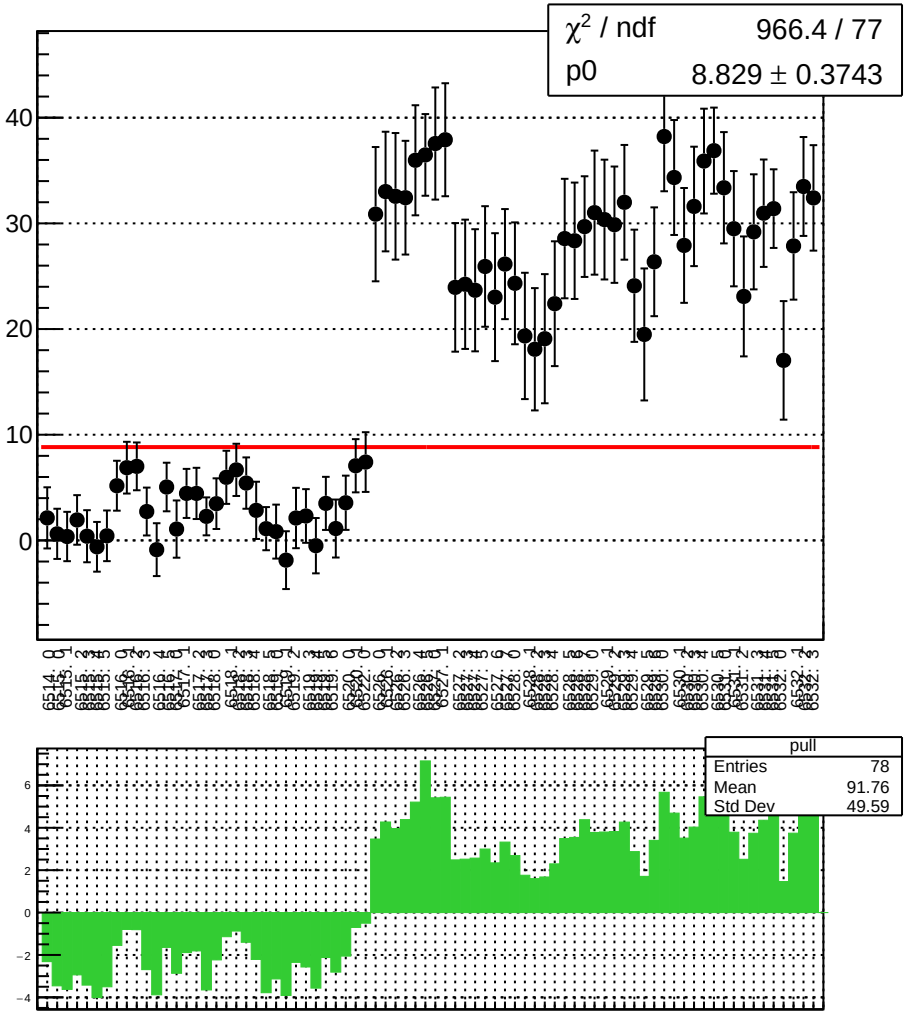

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 326 / 77
p0 −22.42 ± 0.04048
pull
Entries 78
Mean −207.8
Std Dev 244

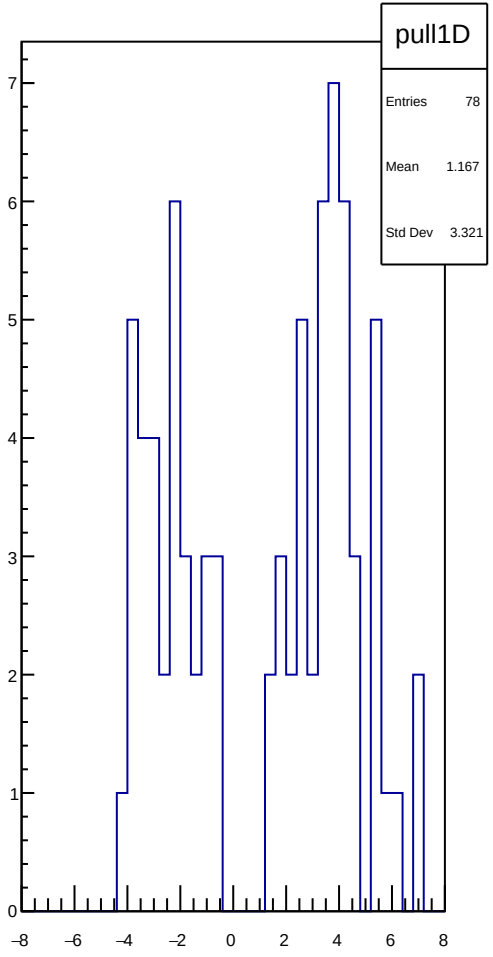

pull1D
Entries 78
Mean −0.1382
Std Dev 2.04

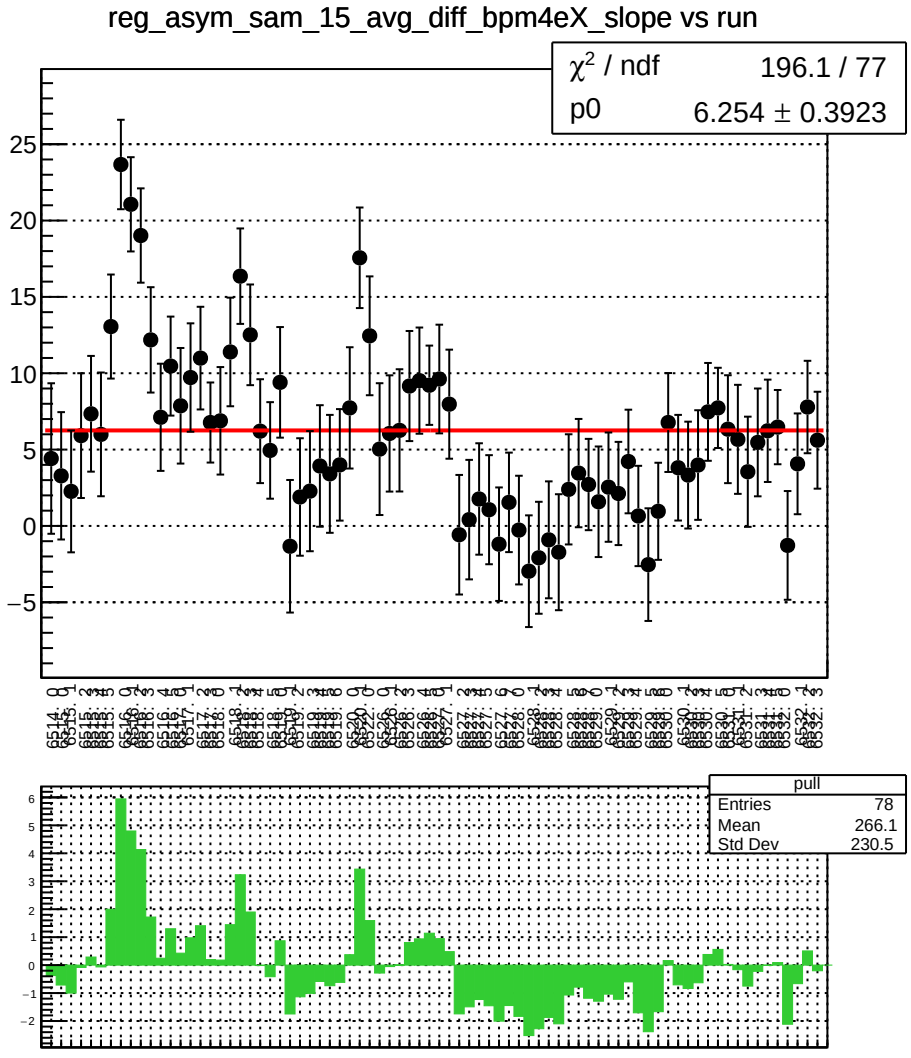

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 204.9 / 77
p0 −9.995 ± 0.3618
pull
Entries 78
Mean 236.9
Std Dev 201.3

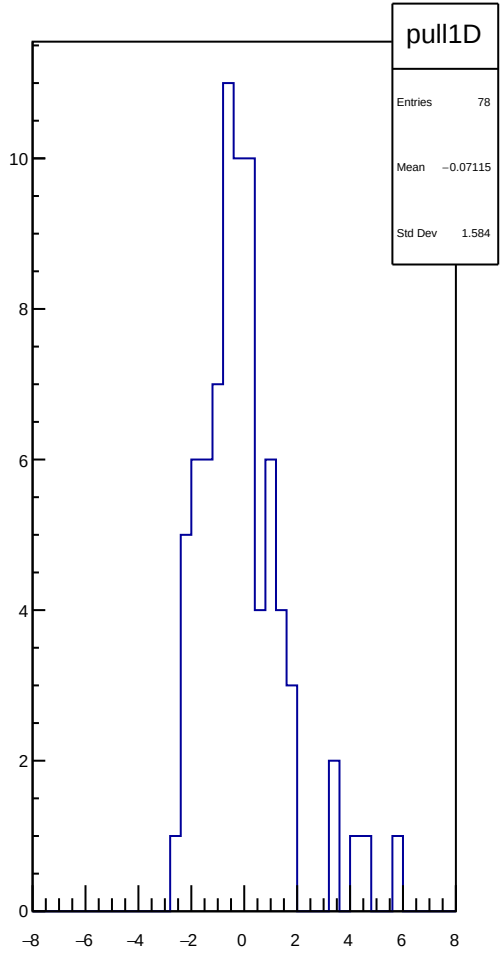

pull1D
Entries 78
Mean 0.07779
Std Dev 1.619

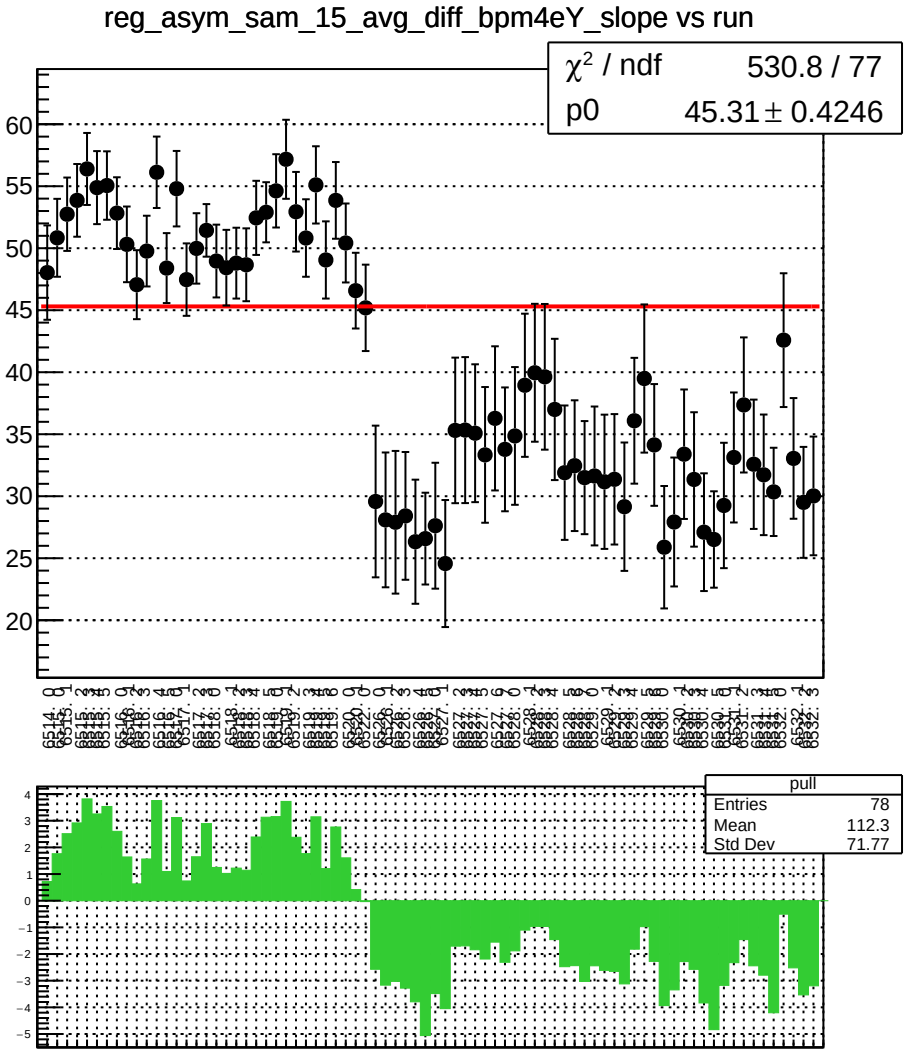
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

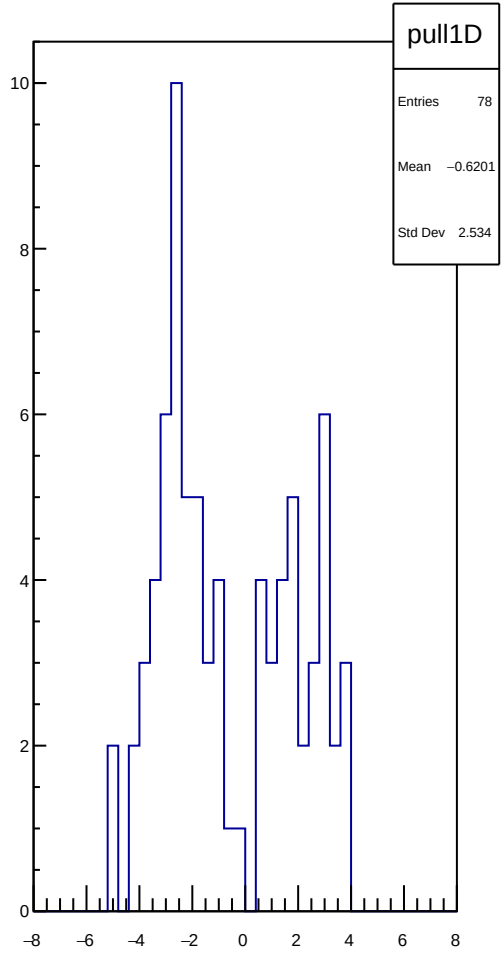


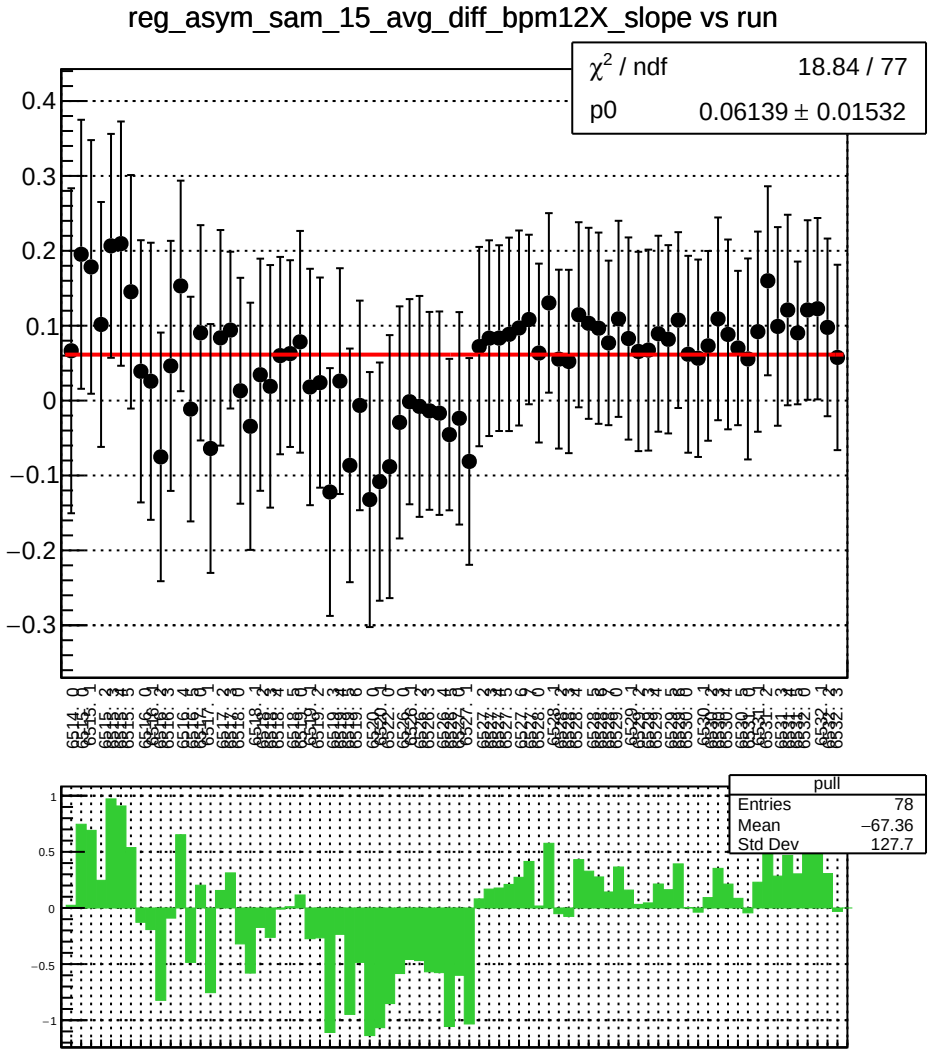


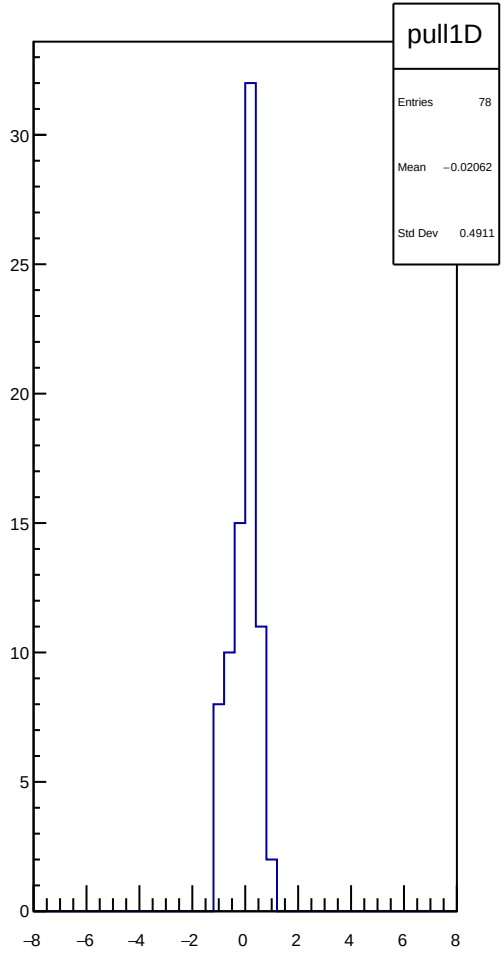

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 196.1 / 77
p0 6.254 ± 0.3923
pull
Entries 78
Mean 266.1
Std Dev 230.5

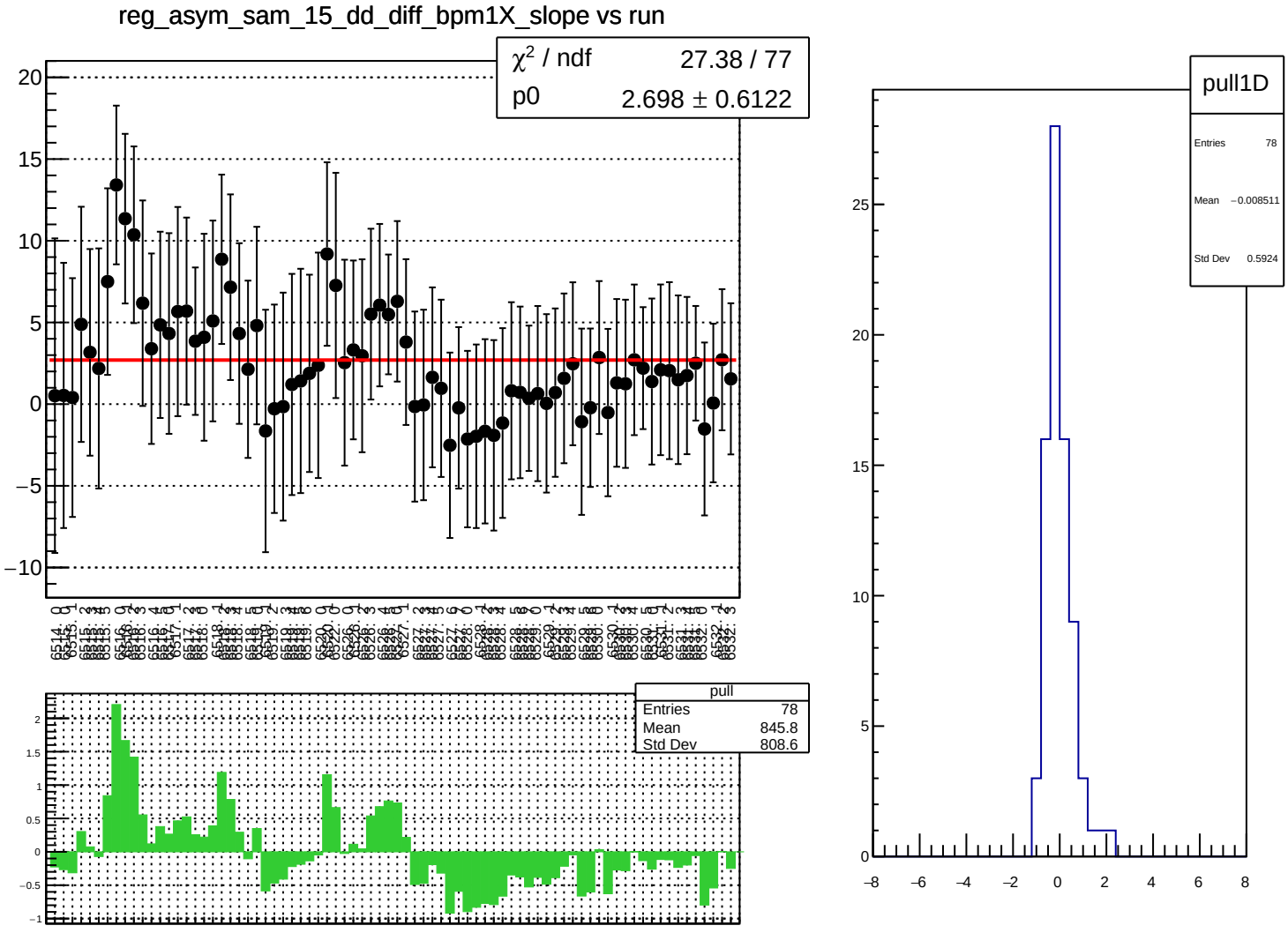

pull1D
Entries 78
Mean −0.07115
Std Dev 1.584

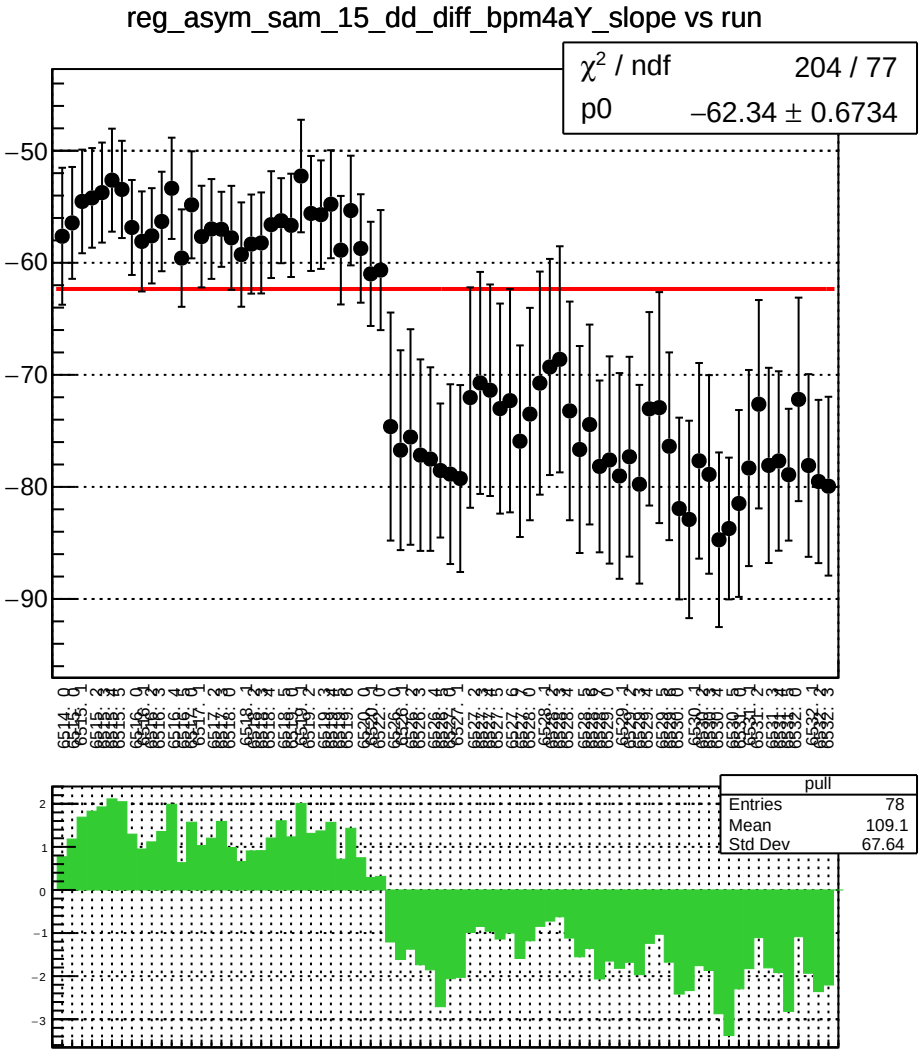

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 530.8 / 77
p0 45.31 ± 0.4246
pull
Entries 78
Mean 112.3
Std Dev 71.77

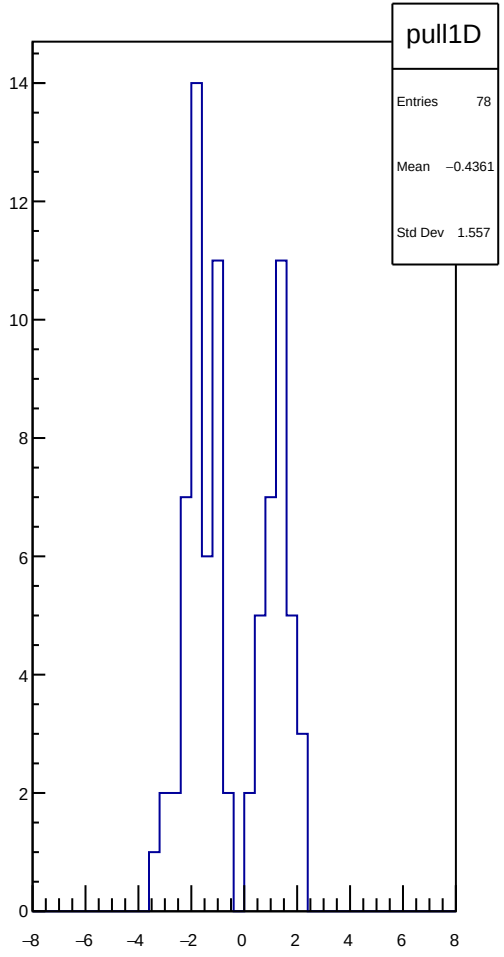

pull1D
Entries 78
Mean −0.6201
Std Dev 2.534

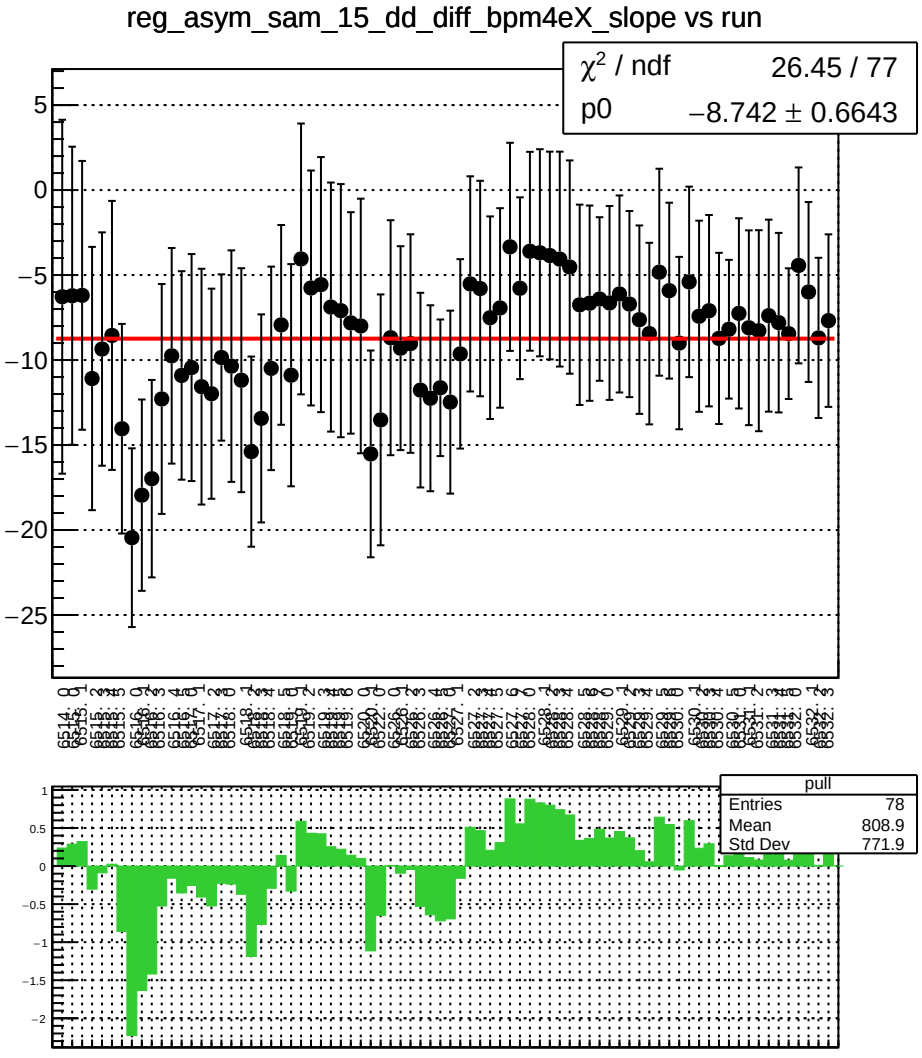

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.84 / 77
p0 0.06139 ± 0.01532
pull
Entries 78
Mean −67.36
Std Dev 127.7

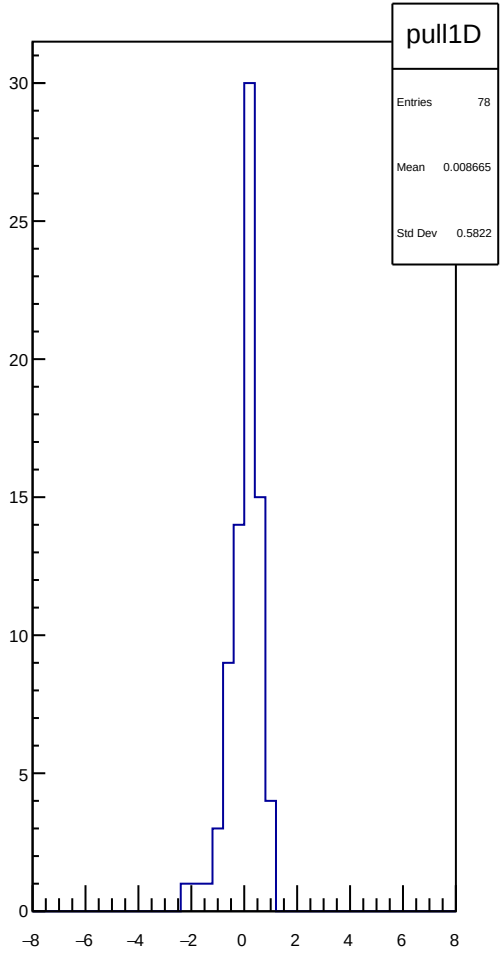

pull1D
Entries 78
Mean −0.02062
Std Dev 0.4911

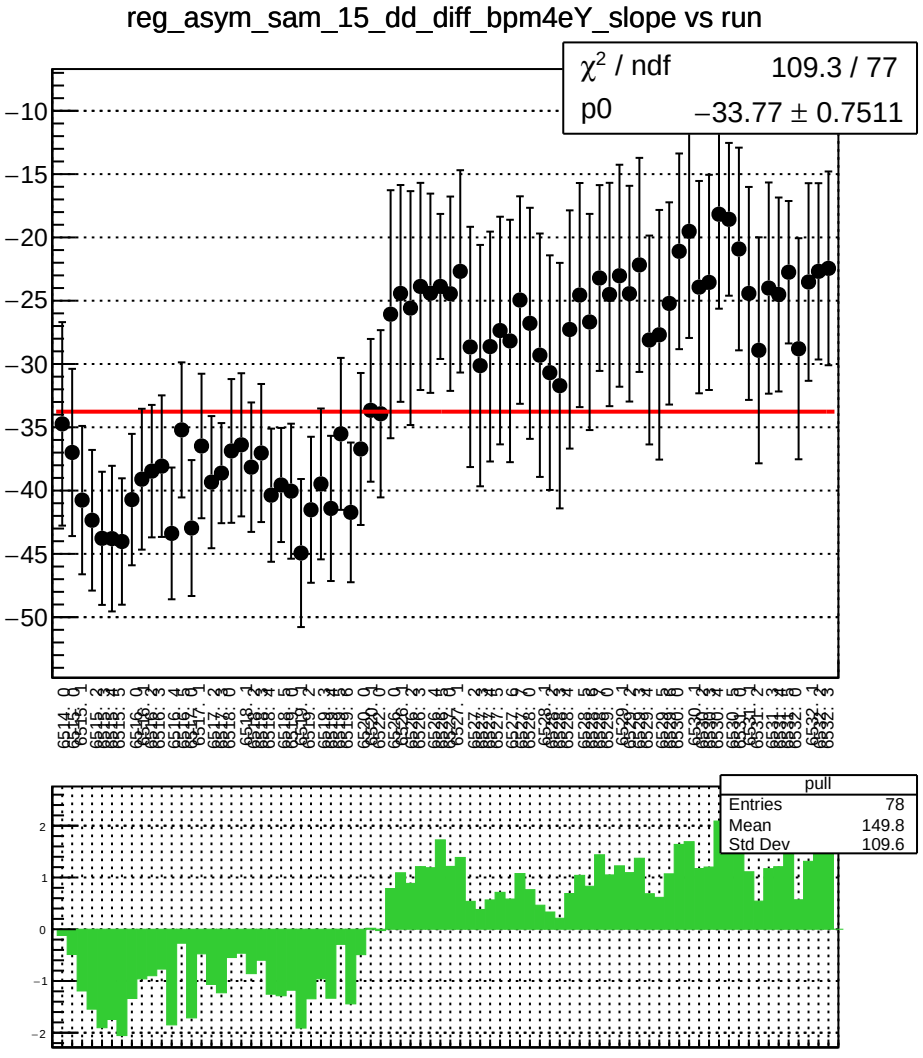

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 27.38 / 77
p0 2.698 ± 0.6122
pull
Entries 78
Mean 845.8
Std Dev 808.6
pull1D
Entries 78
Mean −0.008511
Std Dev 0.5924

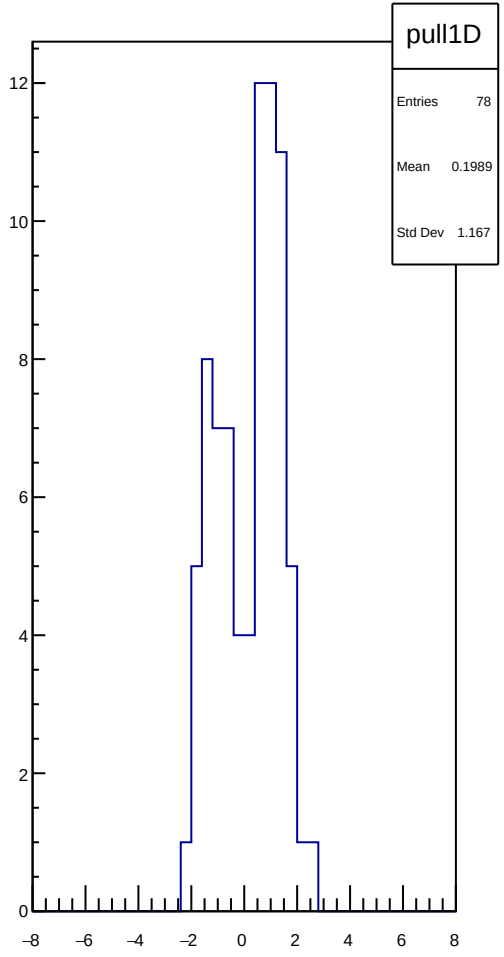

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 204 / 77
p0 −62.34 ± 0.6734
pull
Entries 78
Mean 109.1
Std Dev 67.64

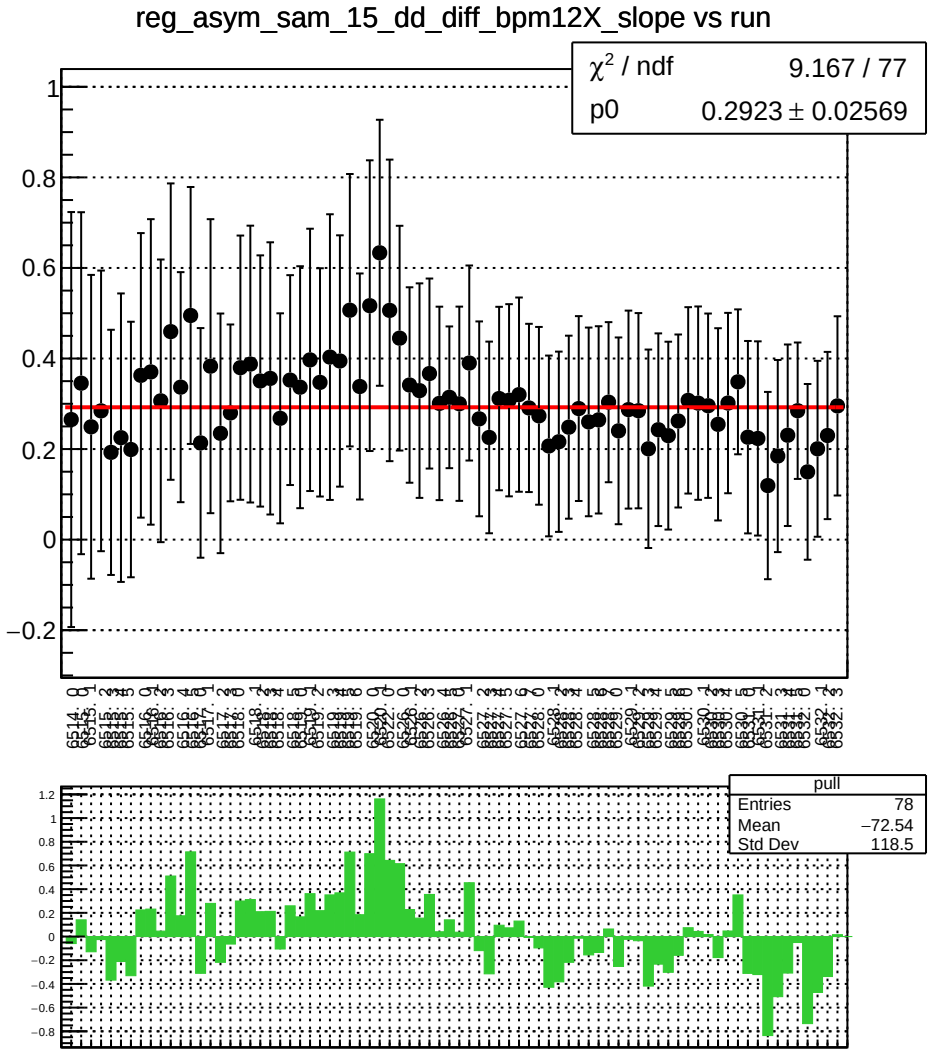

pull1D
Entries 78
Mean −0.4361
Std Dev 1.557

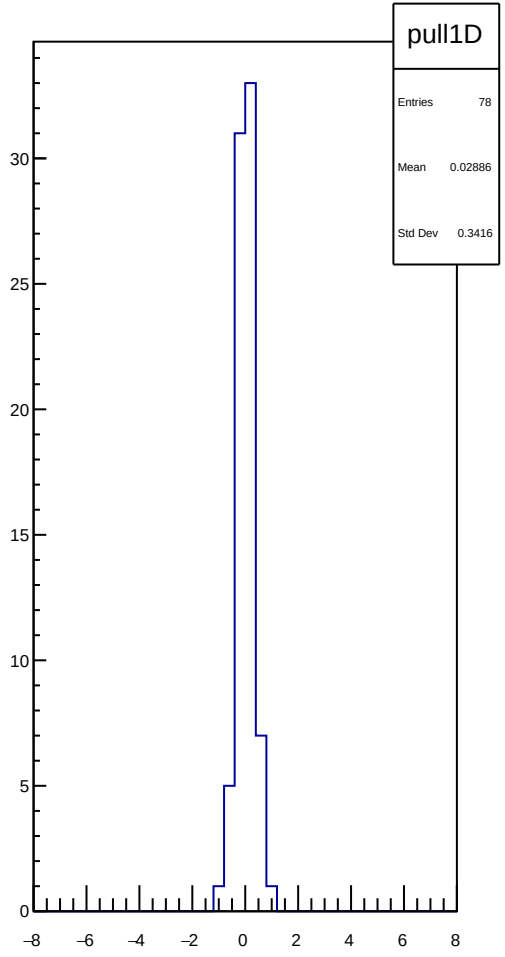

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.45 / 77
p0 −8.742 ± 0.6643
pull
Entries 78
Mean 808.9
Std Dev 771.9

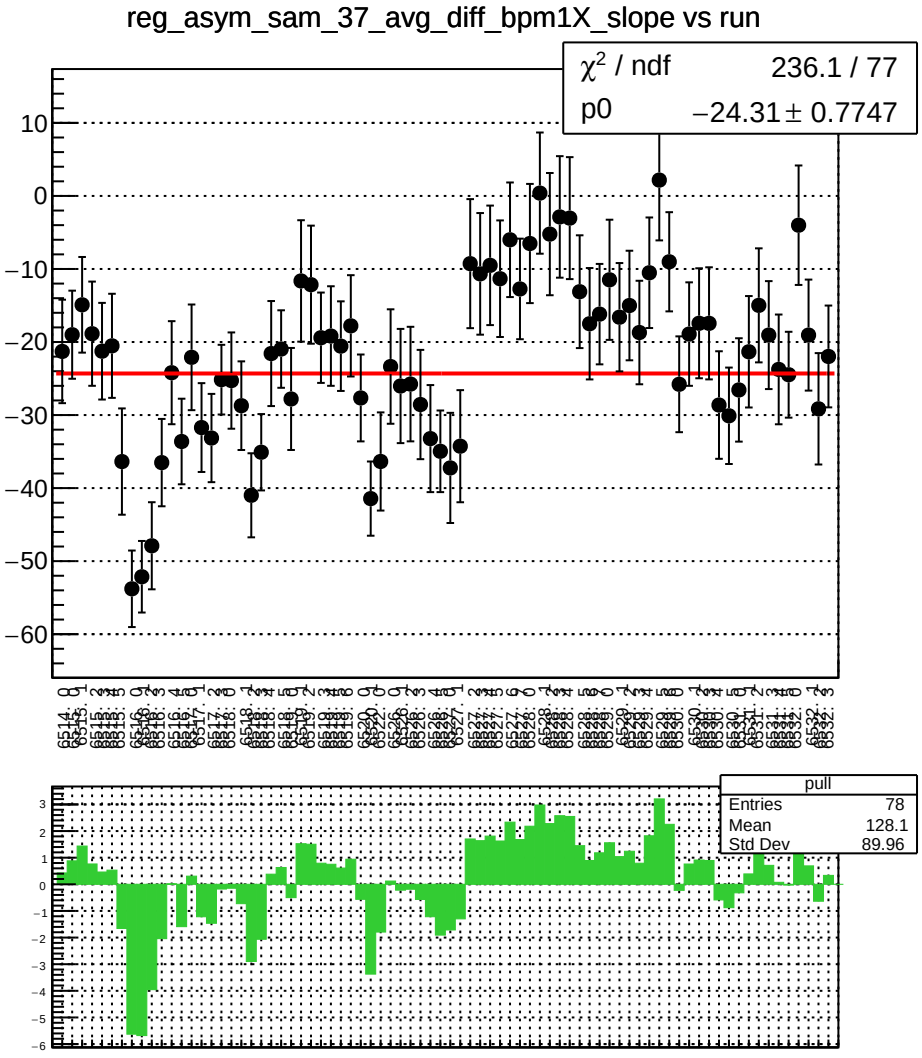

pull1D
Entries 78
Mean 0.008665
Std Dev 0.5822

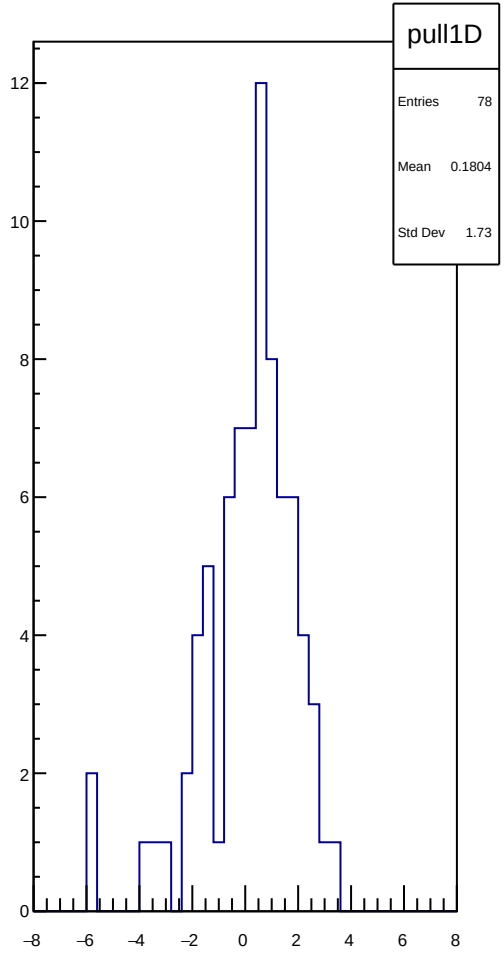

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 109.3 / 77
p0 −33.77 ± 0.7511
pull
Entries 78
Mean 149.8
Std Dev 109.6

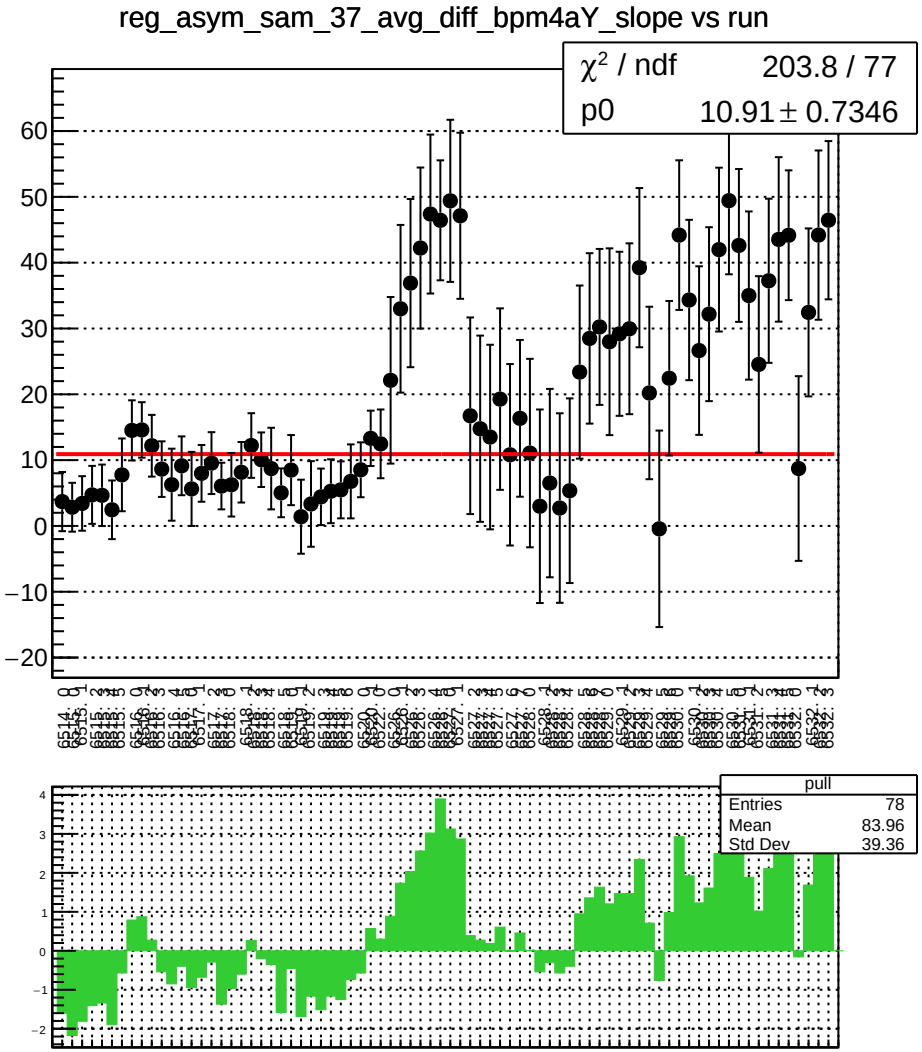

pull1D
Entries 78
Mean 0.1989
Std Dev 1.167

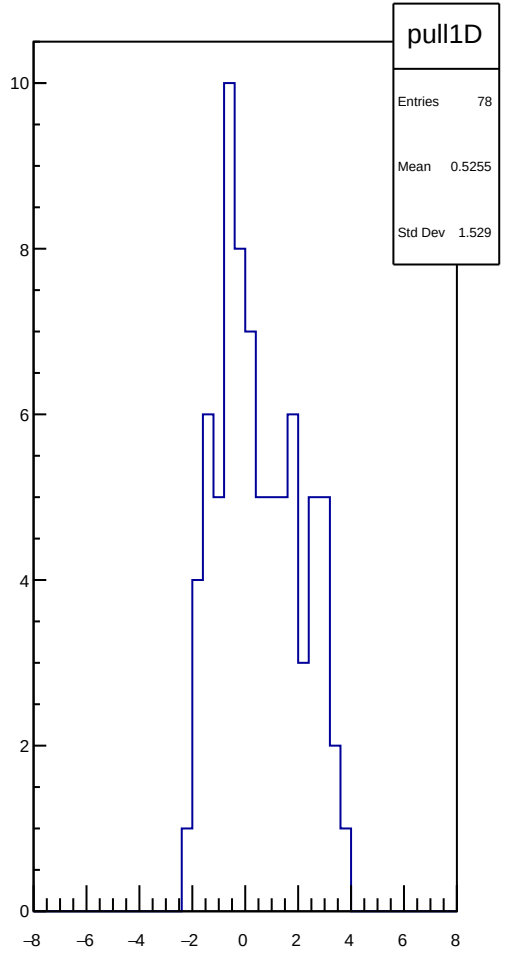

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.167 / 77
p0 0.2923 ± 0.02569
pull
Entries 78
Mean −72.54
Std Dev 118.5

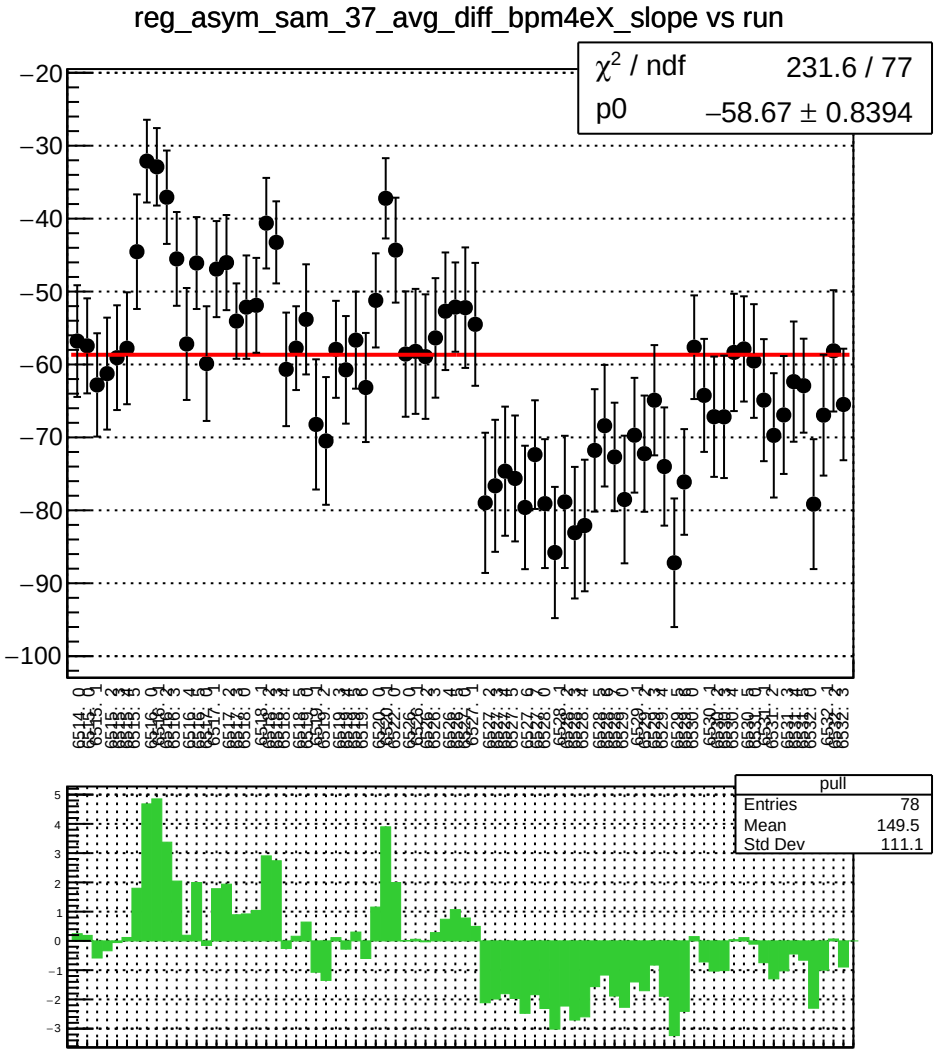

pull1D
Entries 78
Mean 0.02886
Std Dev 0.3416

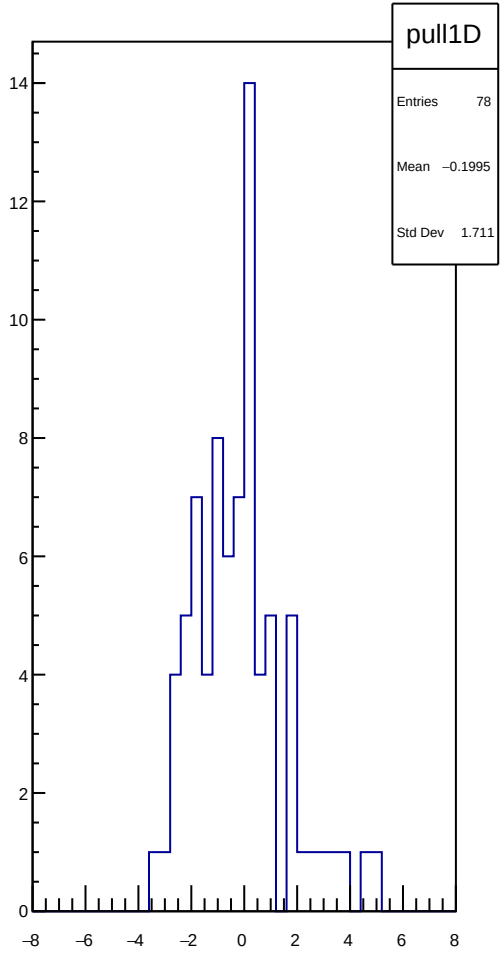

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 236.1 / 77
p0 −24.31 ± 0.7747
pull
Entries 78
Mean 128.1
Std Dev 89.96

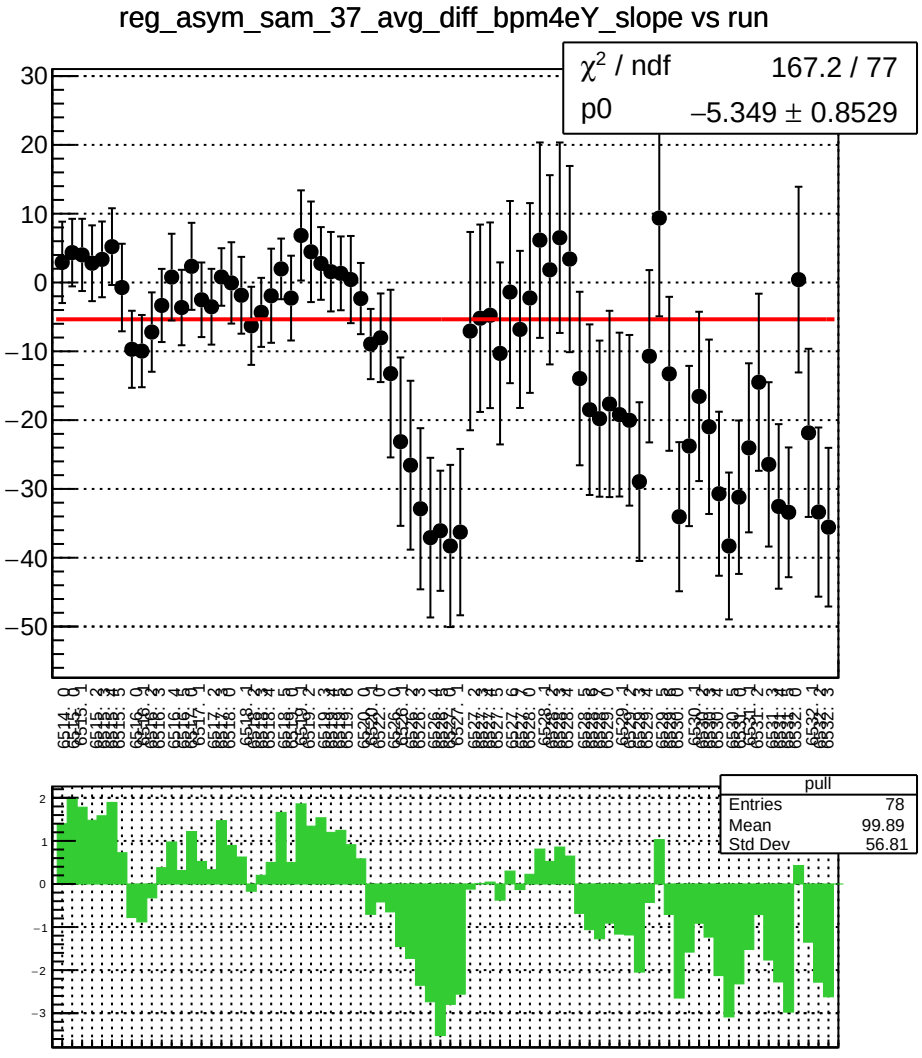

pull1D
Entries 78
Mean 0.1804
Std Dev 1.73

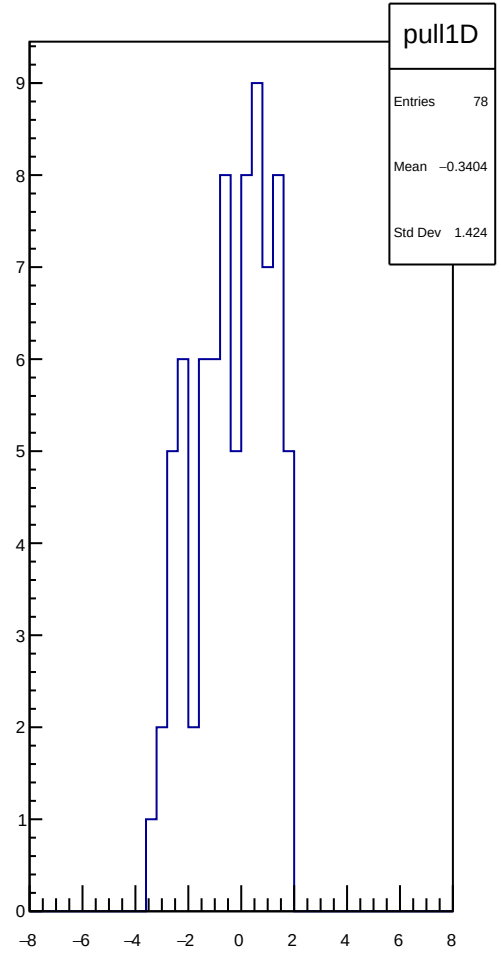

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 203.8 / 77
p0 10.91 ± 0.7346
pull
Entries 78
Mean 83.96
Std Dev 39.36

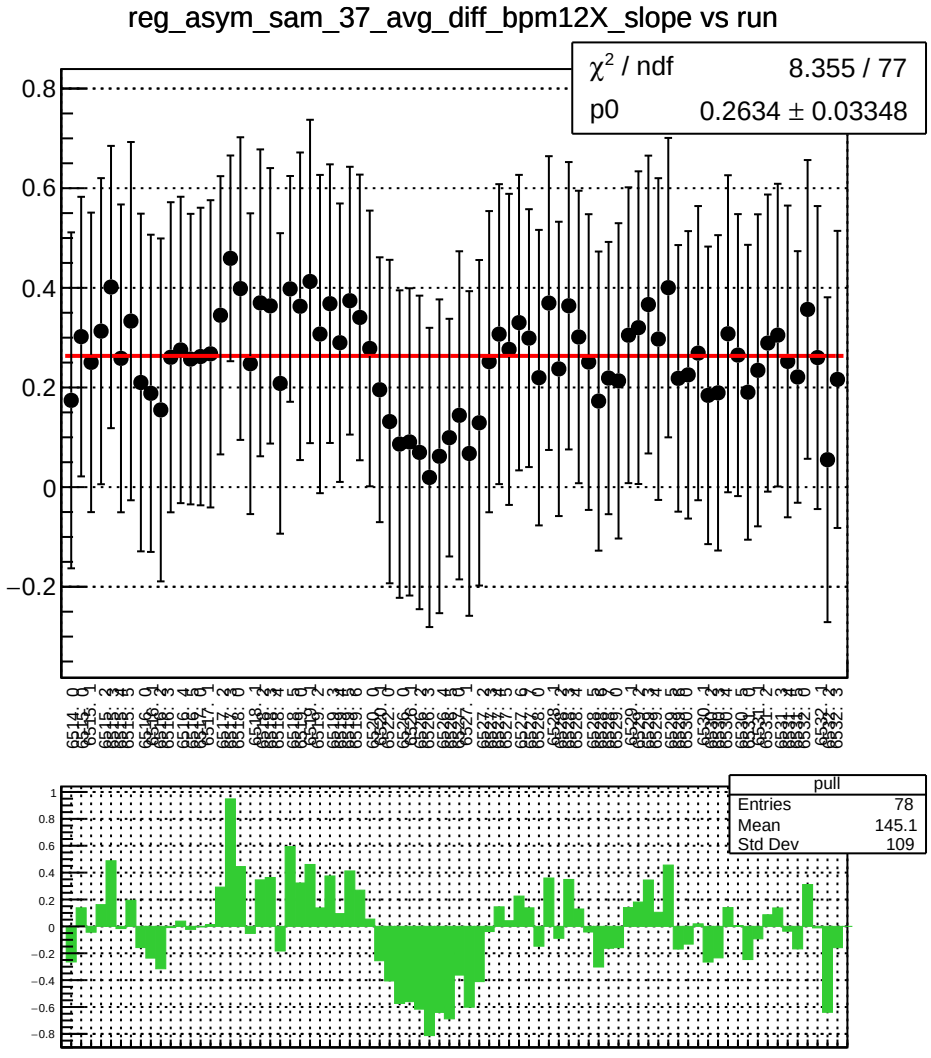

pull1D
Entries 78
Mean 0.5255
Std Dev 1.529

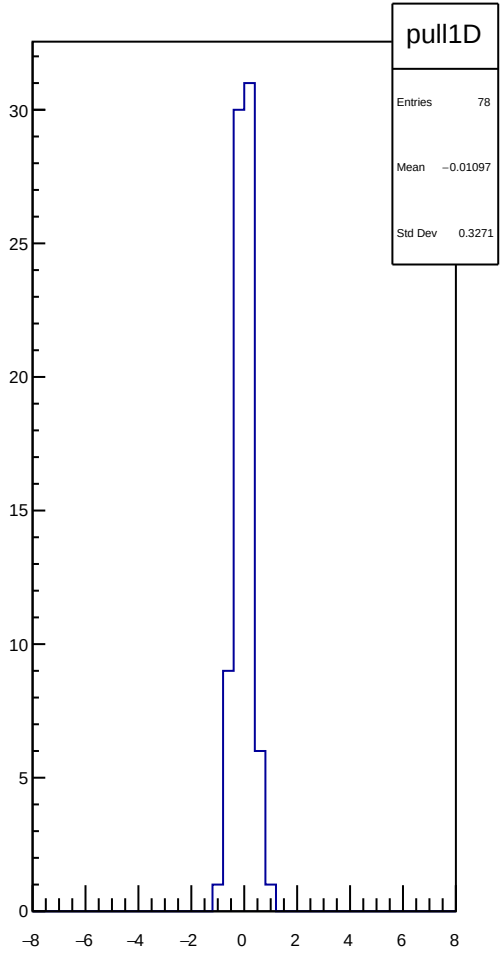

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 231.6 / 77
p0 −58.67 ± 0.8394
pull
Entries 78
Mean 149.5
Std Dev 111.1

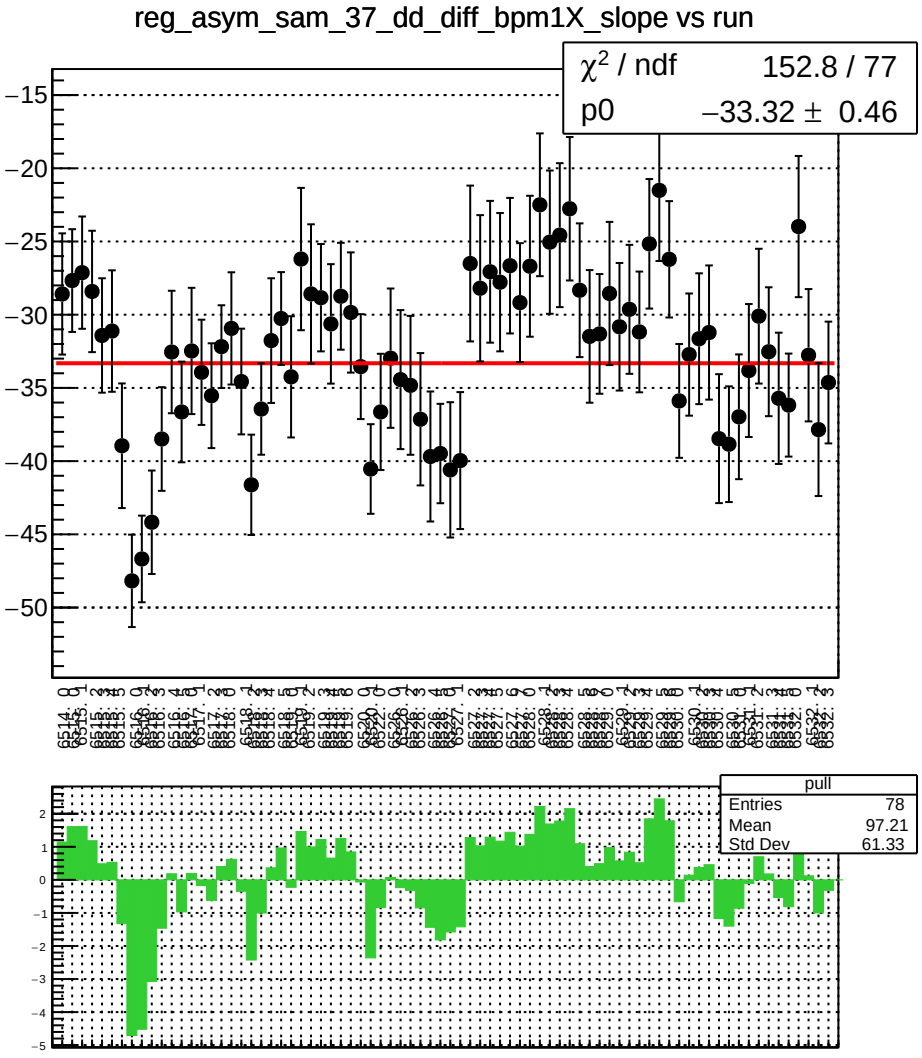

pull1D
Entries 78
Mean −0.1995
Std Dev 1.711

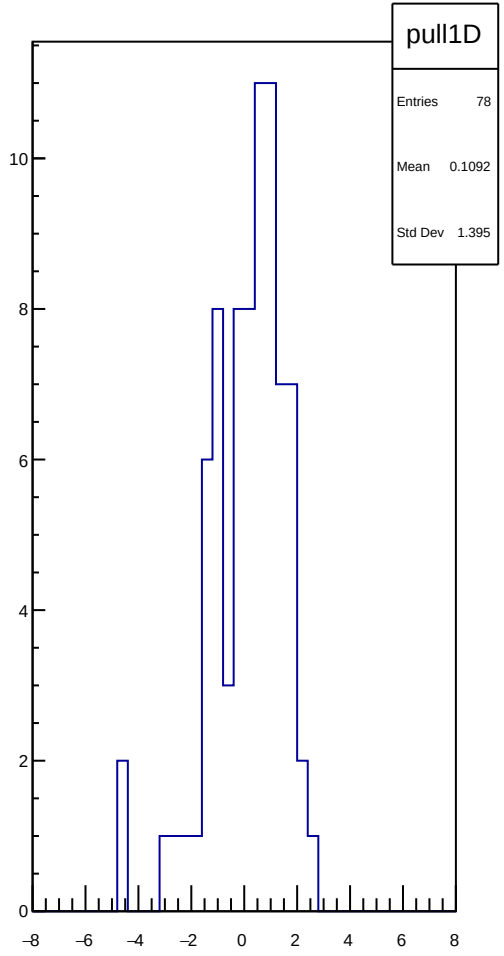

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 167.2 / 77
p0 −5.349 ± 0.8529
pull
Entries 78
Mean 99.89
Std Dev 56.81

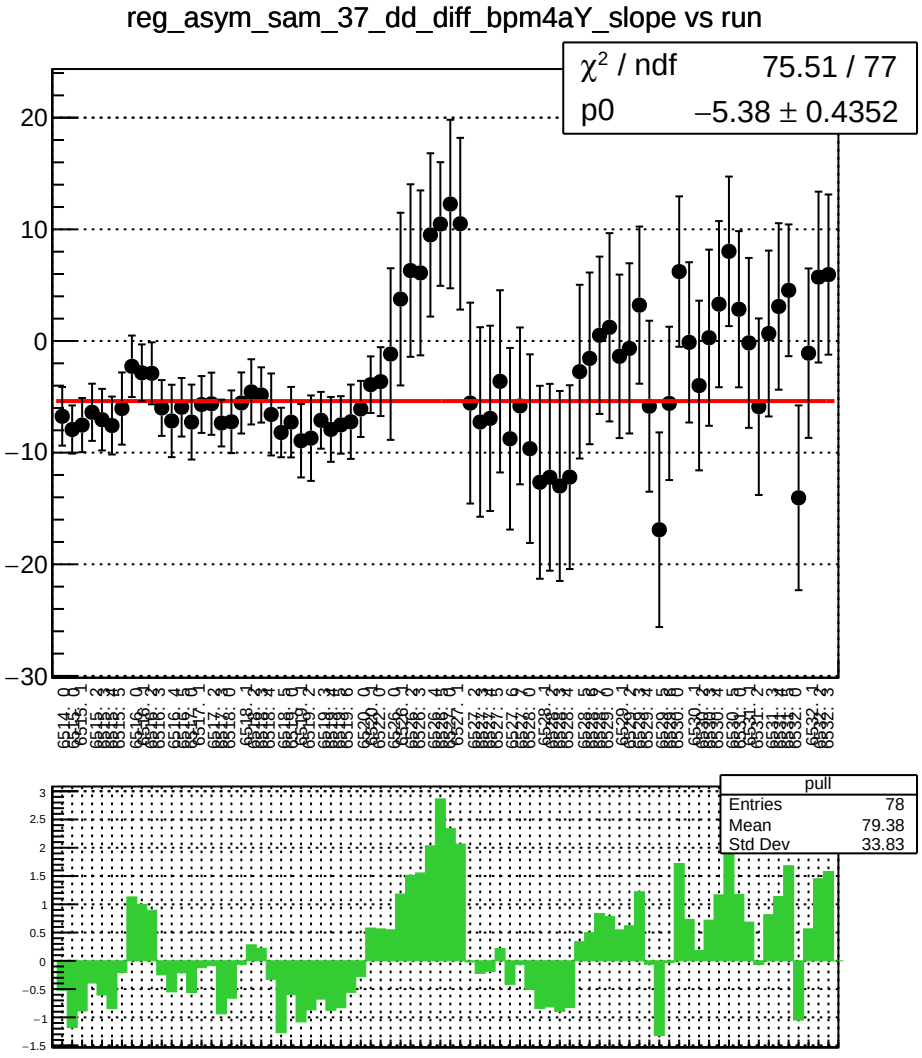

pull1D
Entries 78
Mean −0.3404
Std Dev 1.424

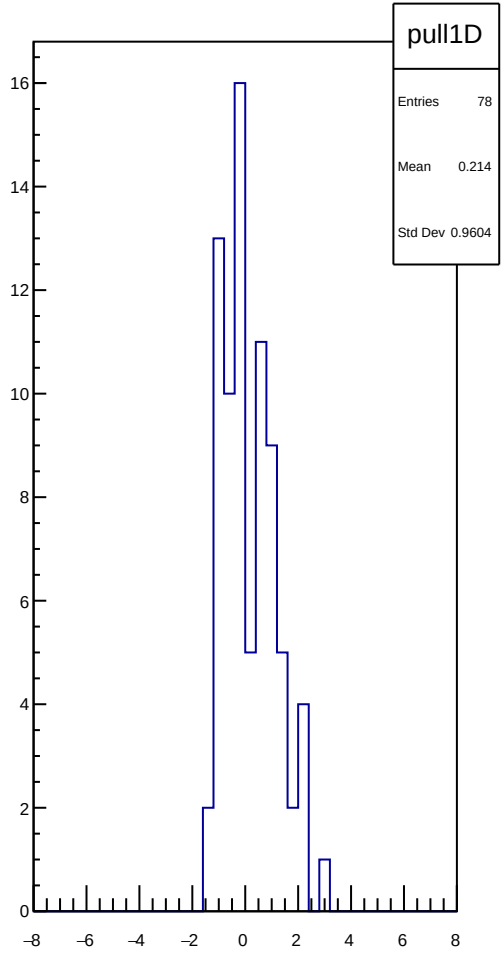

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.355 / 77
p0 0.2634 ± 0.03348
pull
Entries 78
Mean 145.1
Std Dev 109

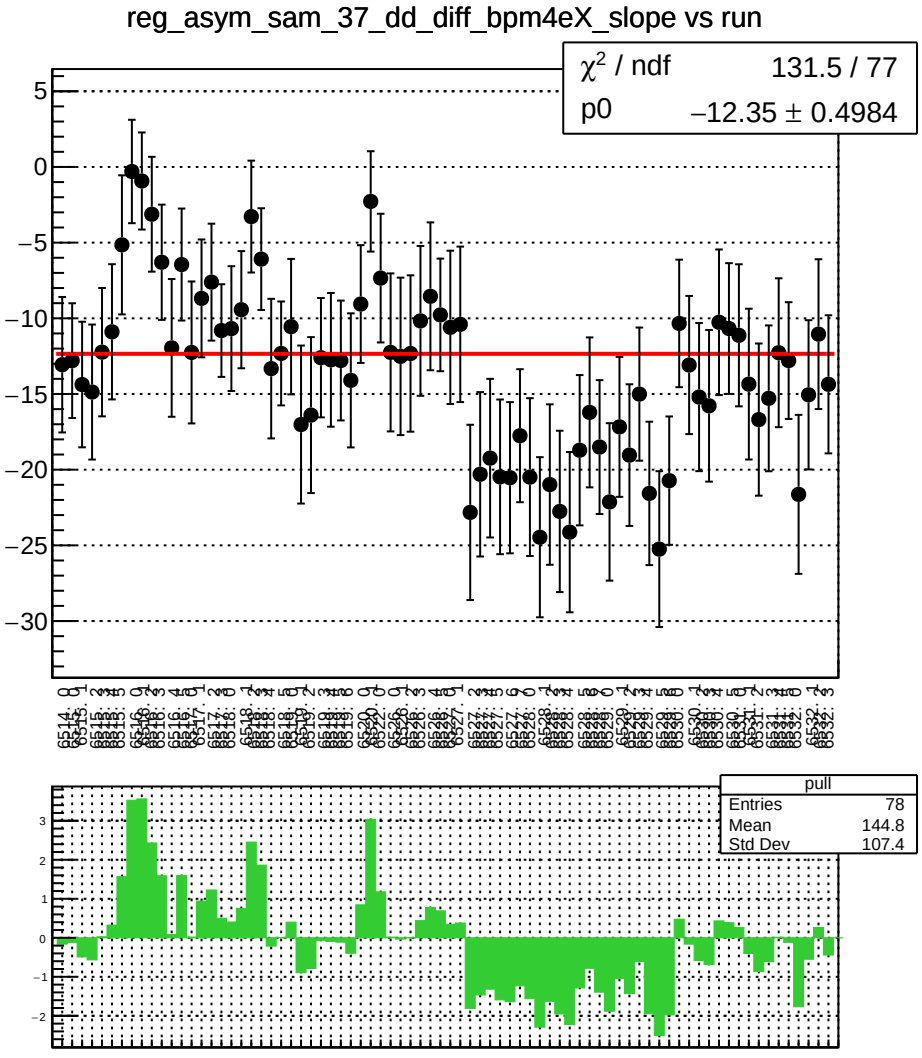

pull1D
Entries 78
Mean −0.01097
Std Dev 0.3271

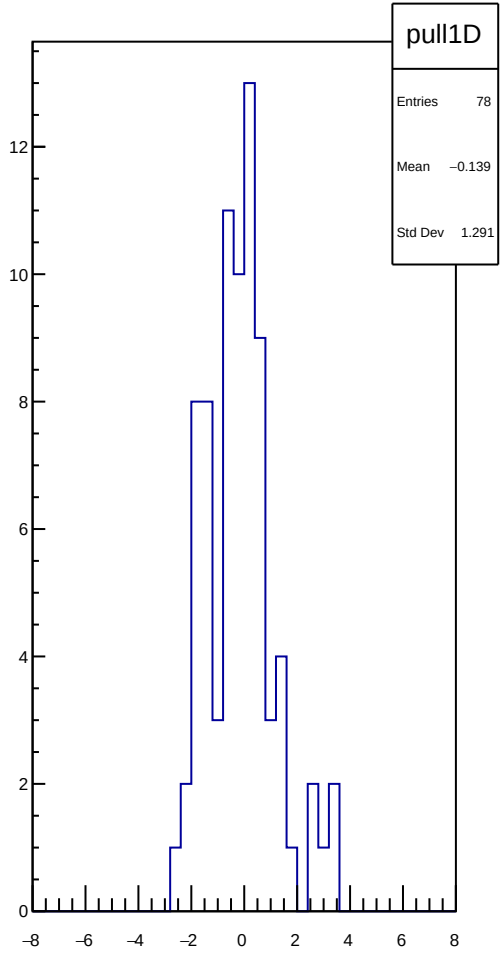

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 152.8 / 77
p0 −33.32 ± 0.46
pull
Entries 78
Mean 97.21
Std Dev 61.33

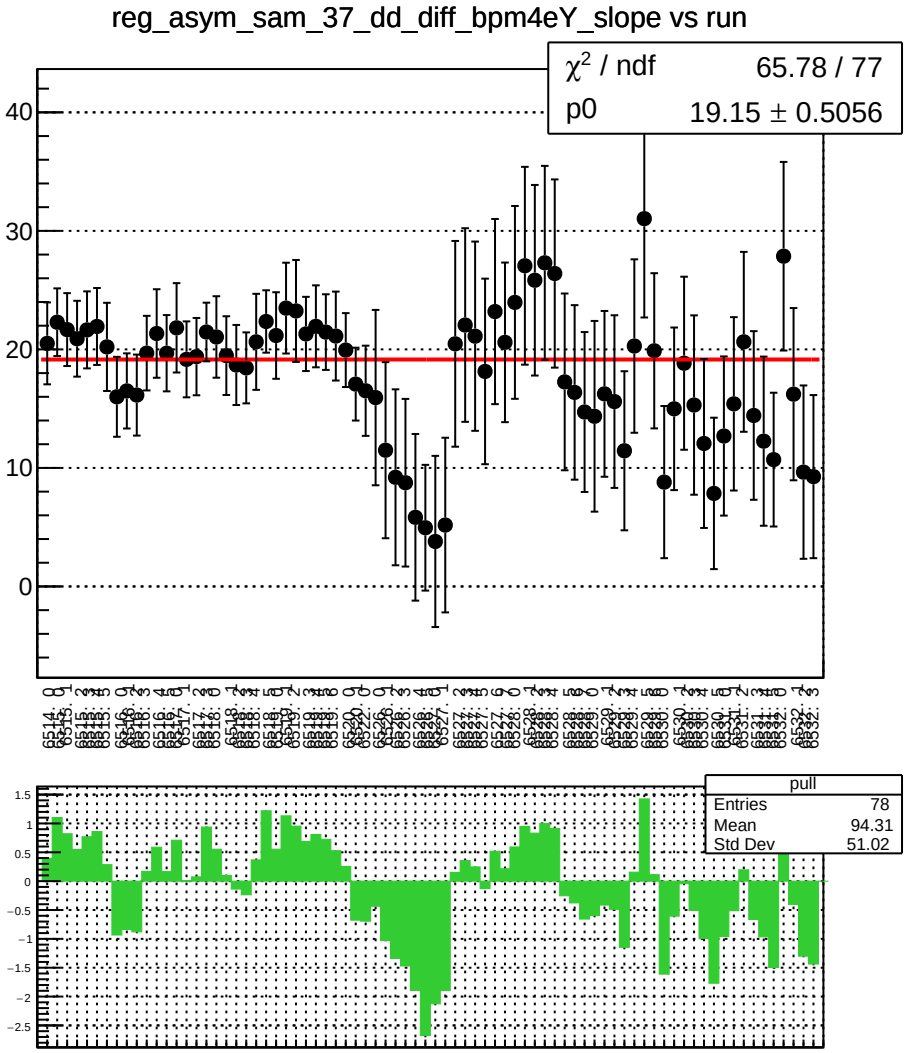

pull1D
Entries 78
Mean 0.1092
Std Dev 1.395

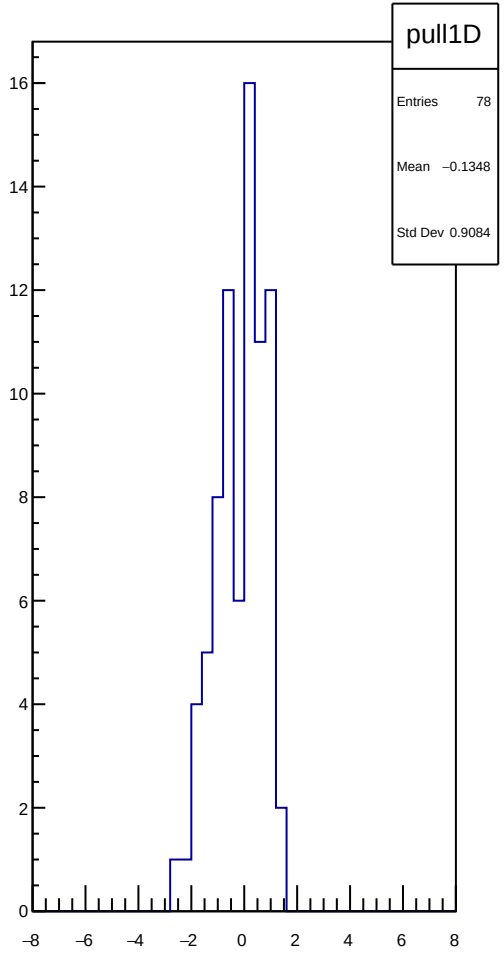

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.51 / 77
p0 −5.38 ± 0.4352
pull
Entries 78
Mean 79.38
Std Dev 33.83

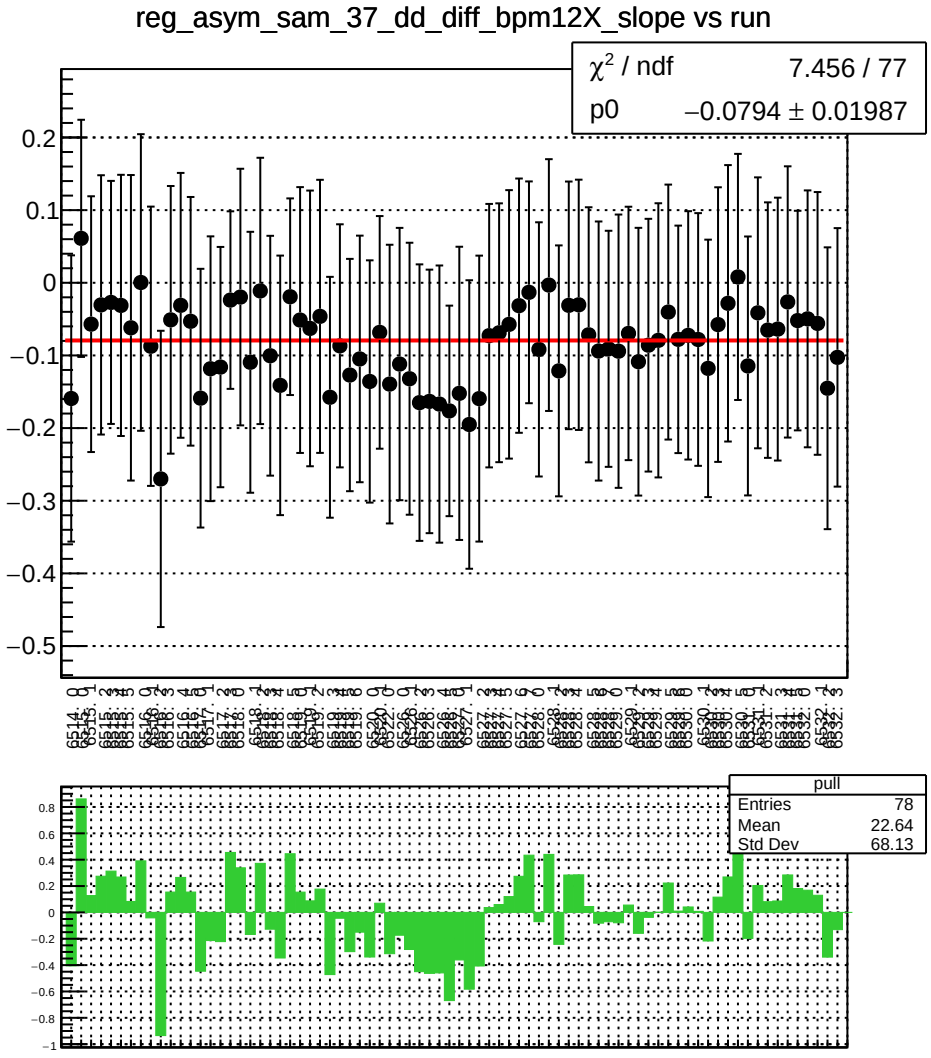

pull1D
Entries 78
Mean 0.214
Std Dev 0.9604

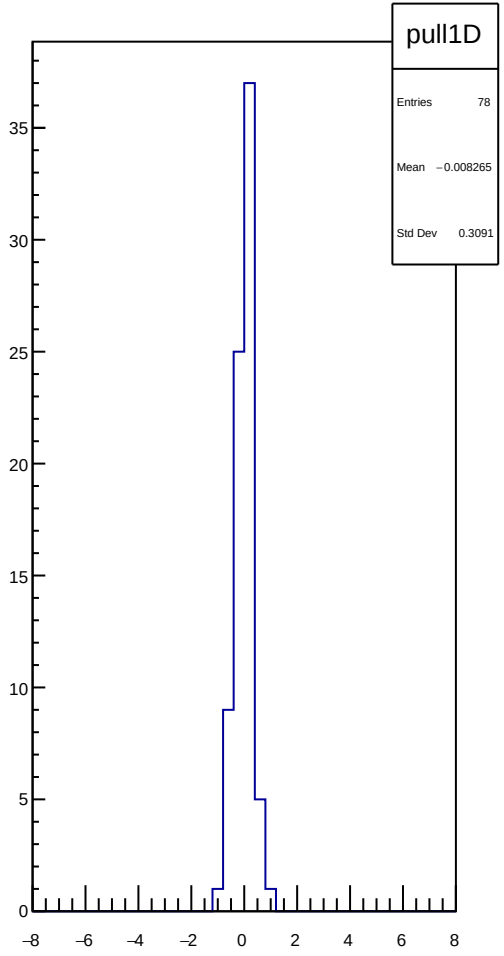

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 131.5 / 77
p0 −12.35 ± 0.4984
pull
Entries 78
Mean 144.8
Std Dev 107.4

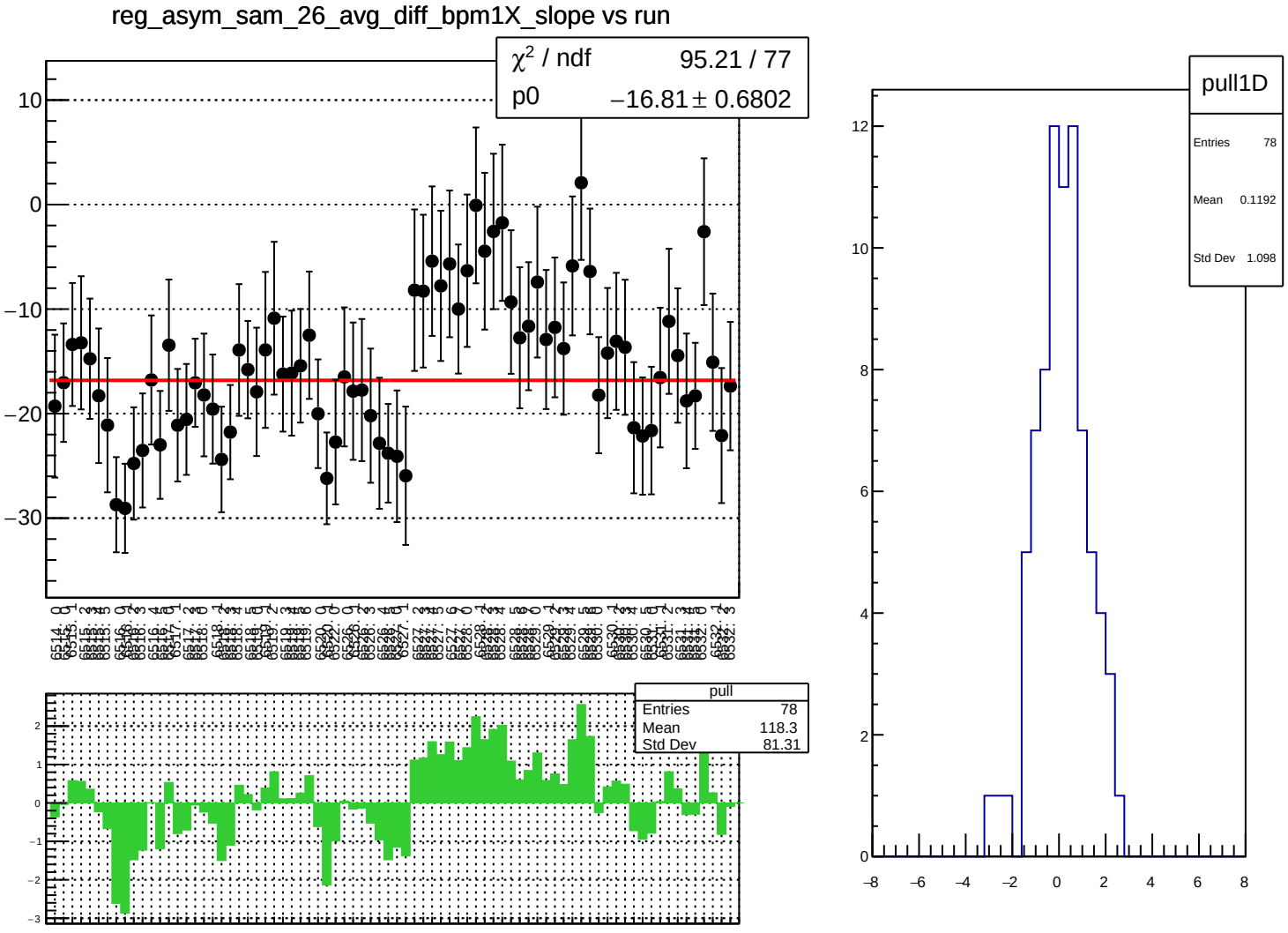

pull1D
Entries 78
Mean −0.139
Std Dev 1.291

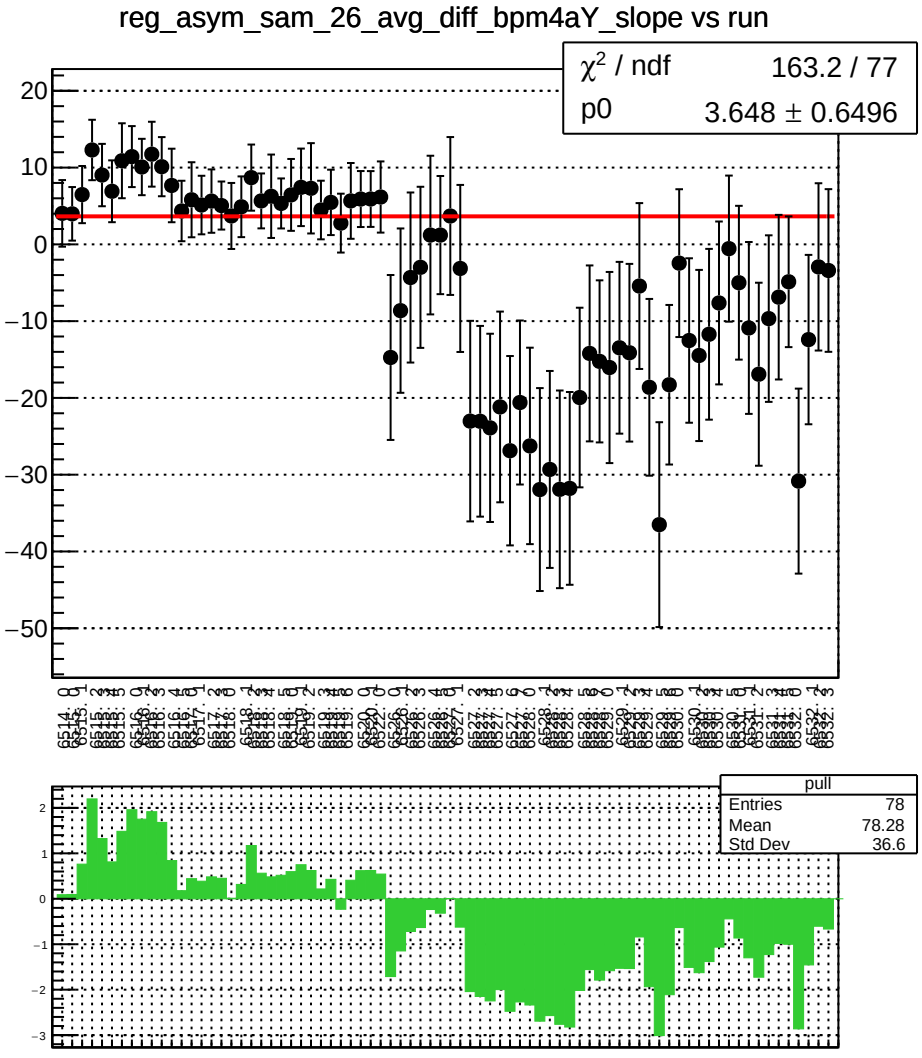

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.78 / 77
p0 19.15 ± 0.5056
pull
Entries 78
Mean 94.31
Std Dev 51.02

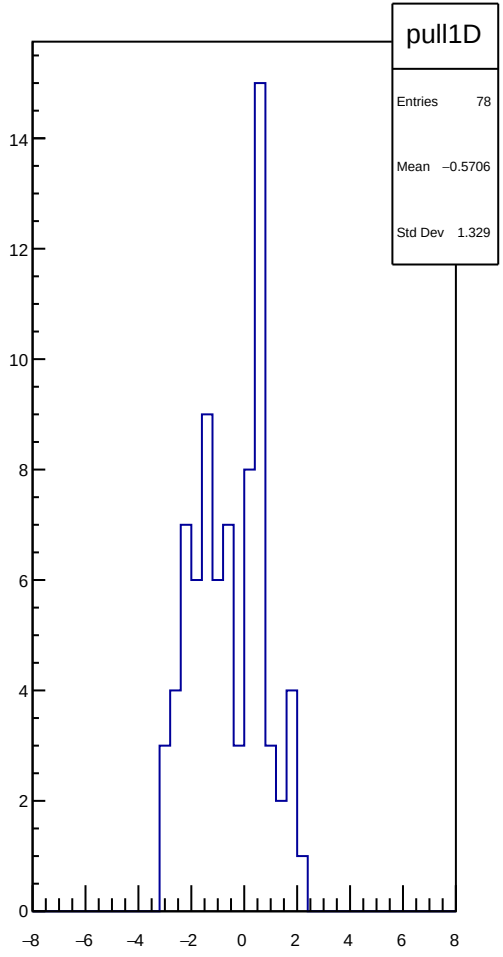

pull1D
Entries 78
Mean −0.1348
Std Dev 0.9084

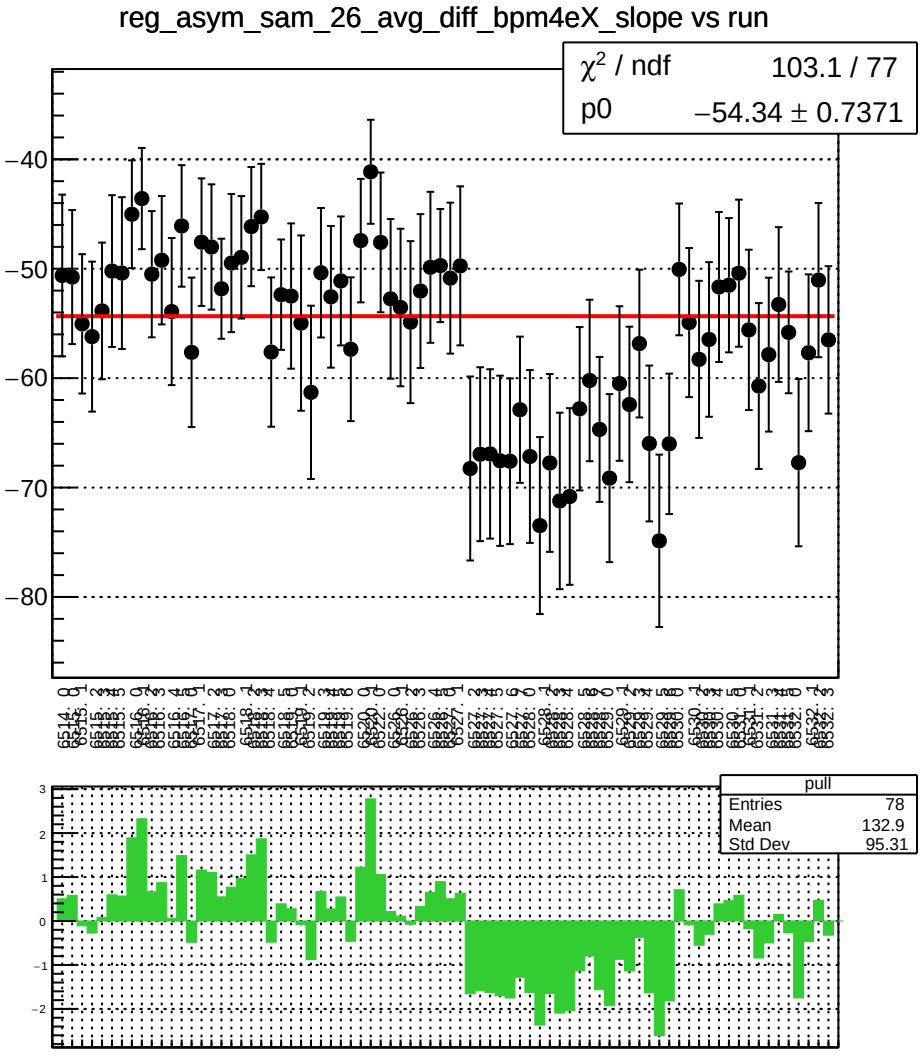

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.456 / 77
p0 −0.0794 ± 0.01987
pull
Entries 78
Mean 22.64
Std Dev 68.13

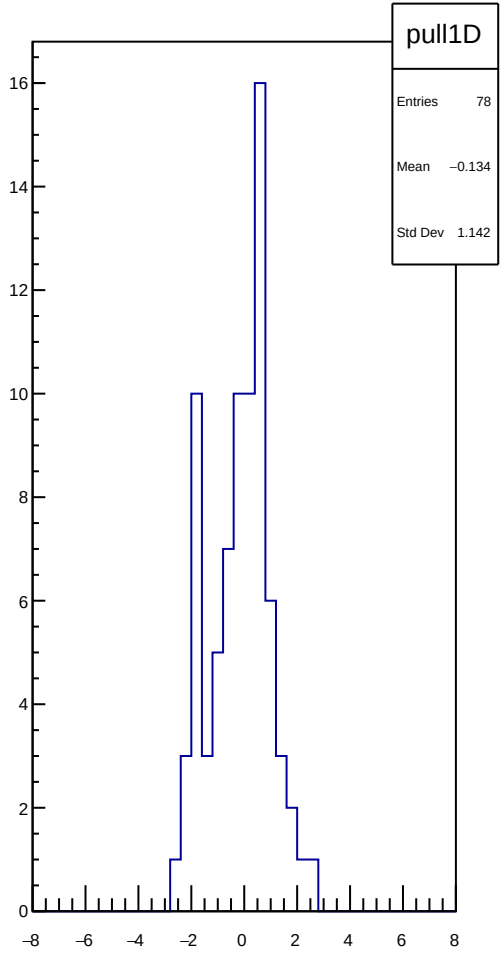

pull1D
Entries 78
Mean −0.008265
Std Dev 0.3091

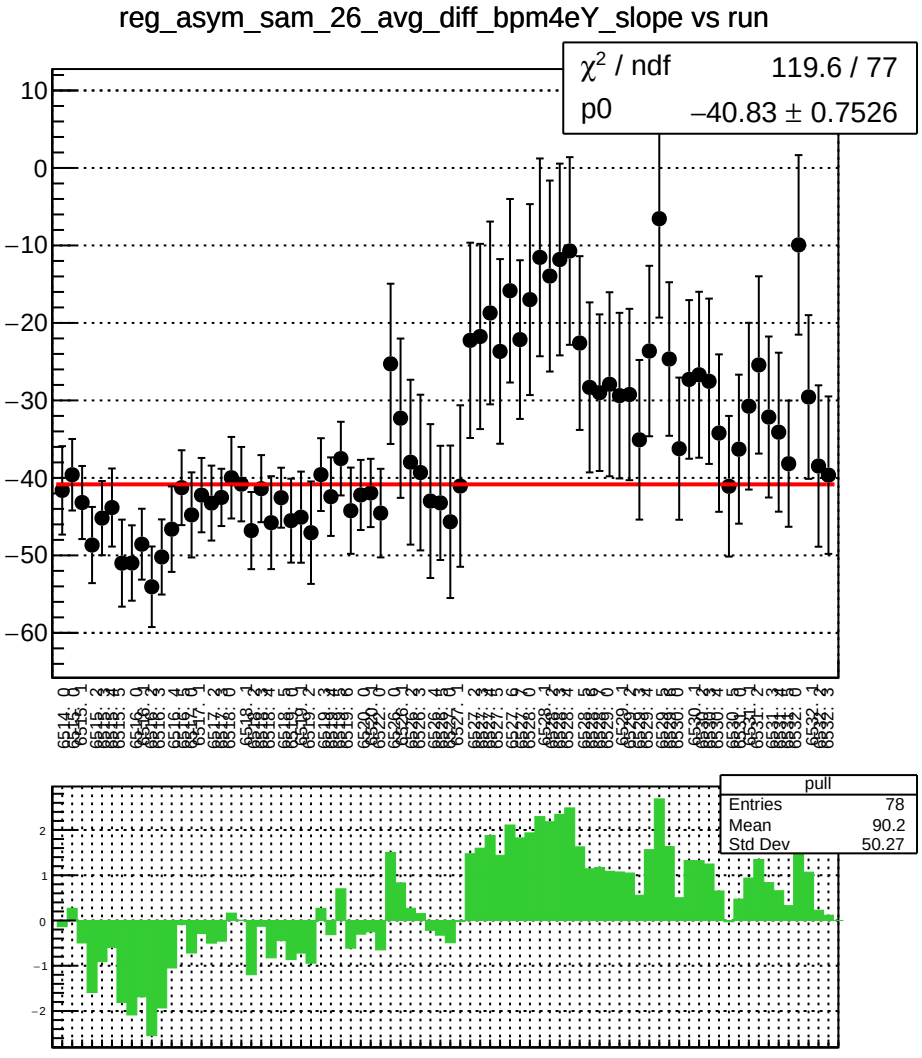

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 95.21 / 77
p0 −16.81 ± 0.6802
pull
Entries 78
Mean 118.3
Std Dev 81.31
pull1D
Entries 78
Mean 0.1192
Std Dev 1.098

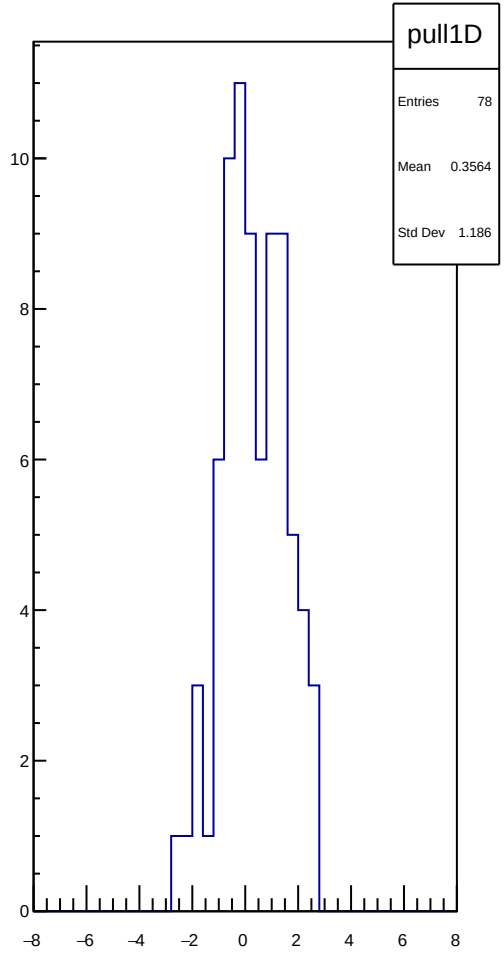

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 163.2 / 77
p0 3.648 ± 0.6496
pull
Entries 78
Mean 78.28
Std Dev 36.6

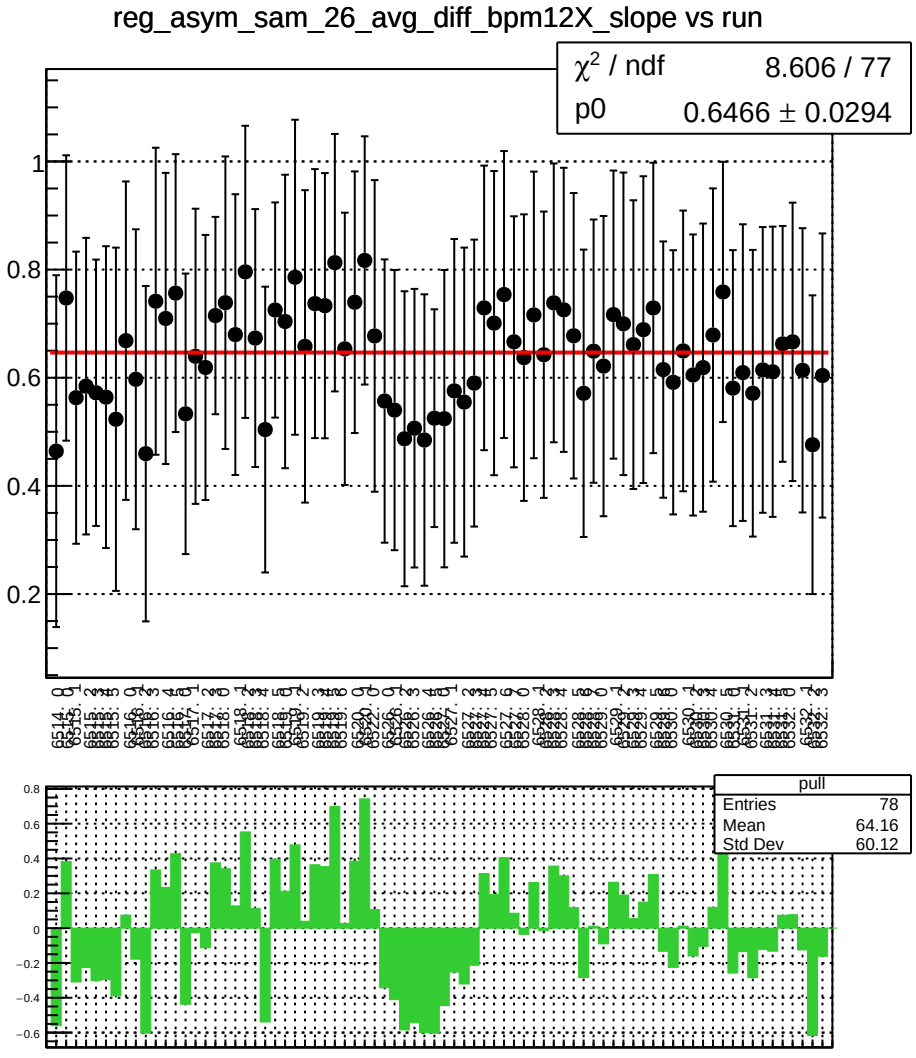

pull1D
Entries 78
Mean −0.5706
Std Dev 1.329

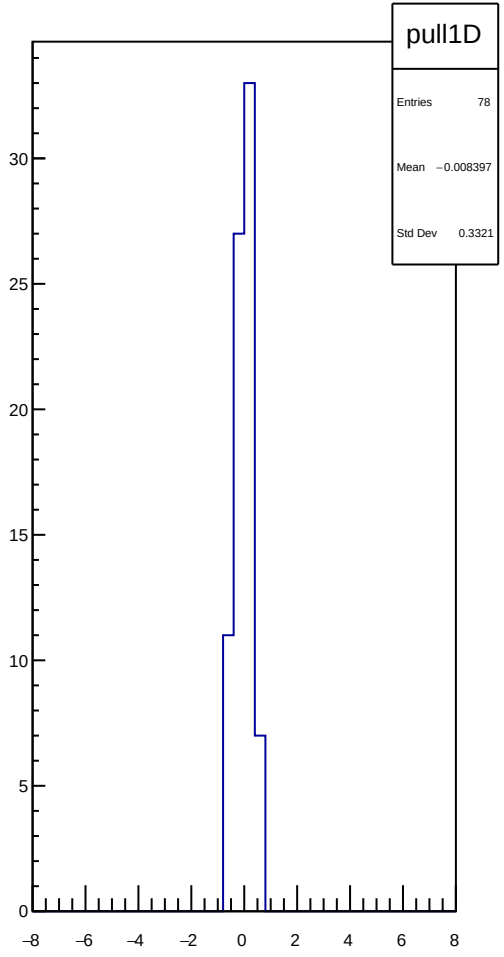

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 103.1 / 77
p0 −54.34 ± 0.7371
pull
Entries 78
Mean 132.9
Std Dev 95.31

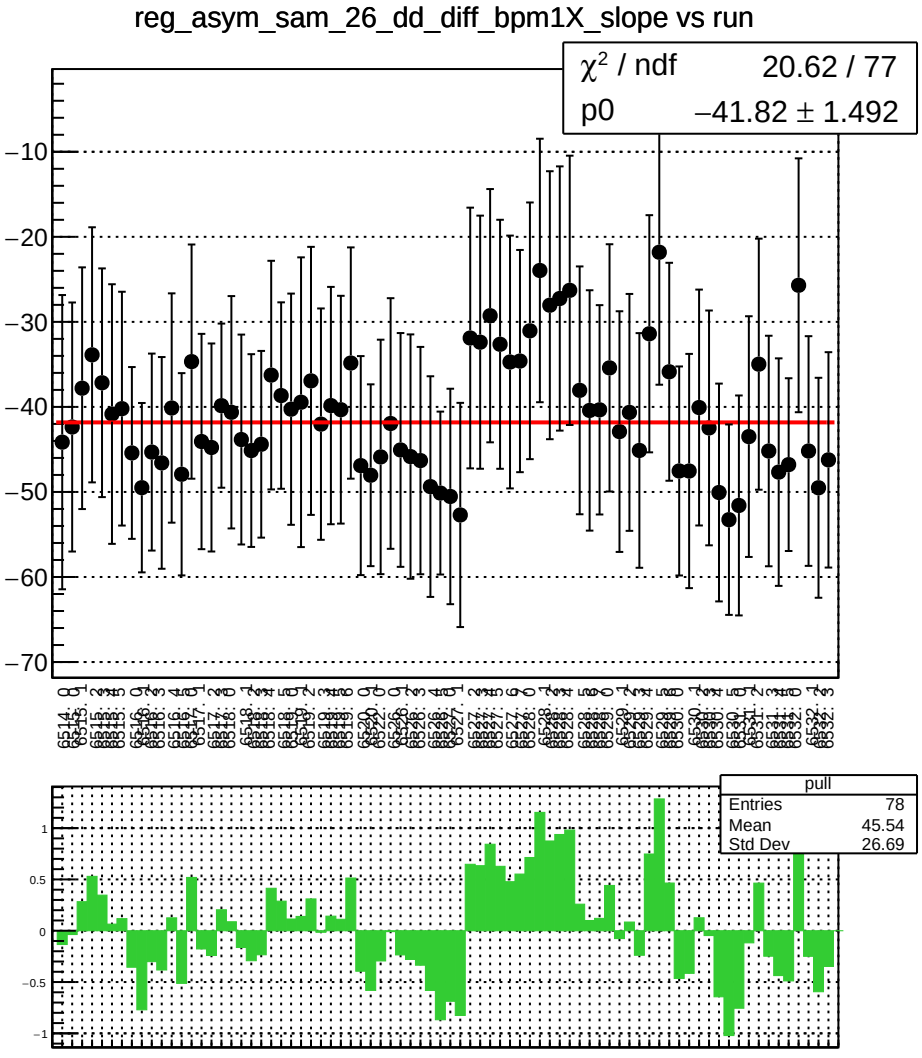

pull1D
Entries 78
Mean −0.134
Std Dev 1.142

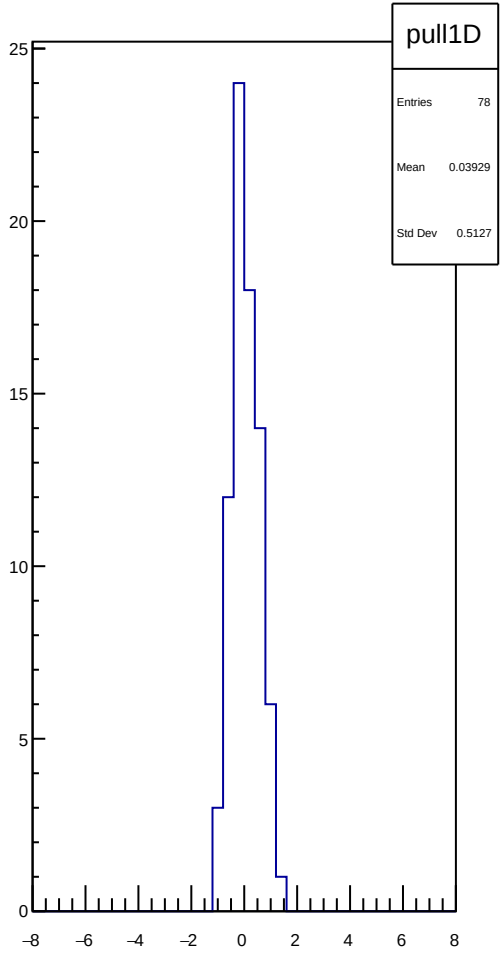

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 119.6 / 77
p0 −40.83 ± 0.7526
pull
Entries 78
Mean 90.2
Std Dev 50.27

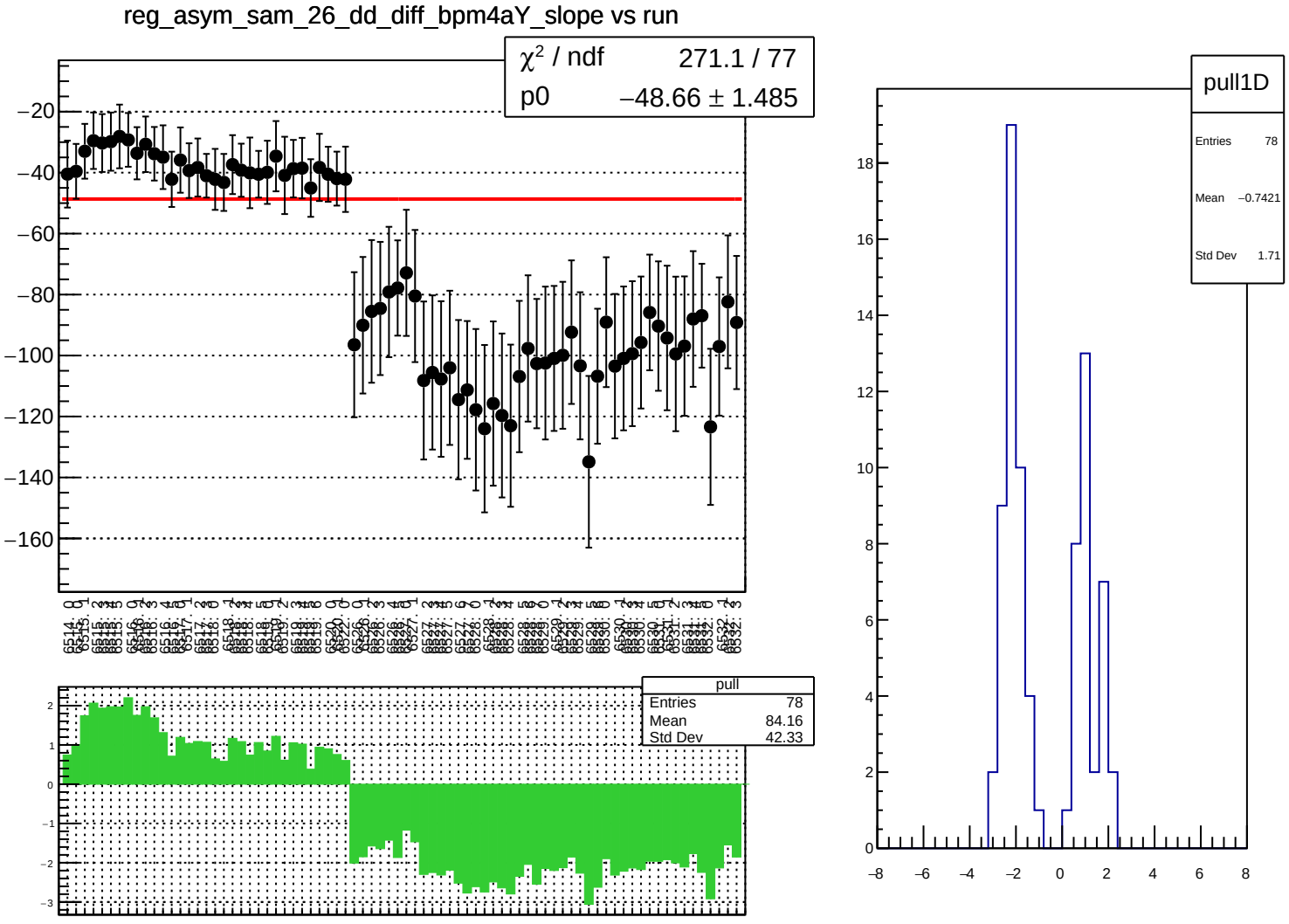

pull1D
Entries 78
Mean 0.3564
Std Dev 1.186

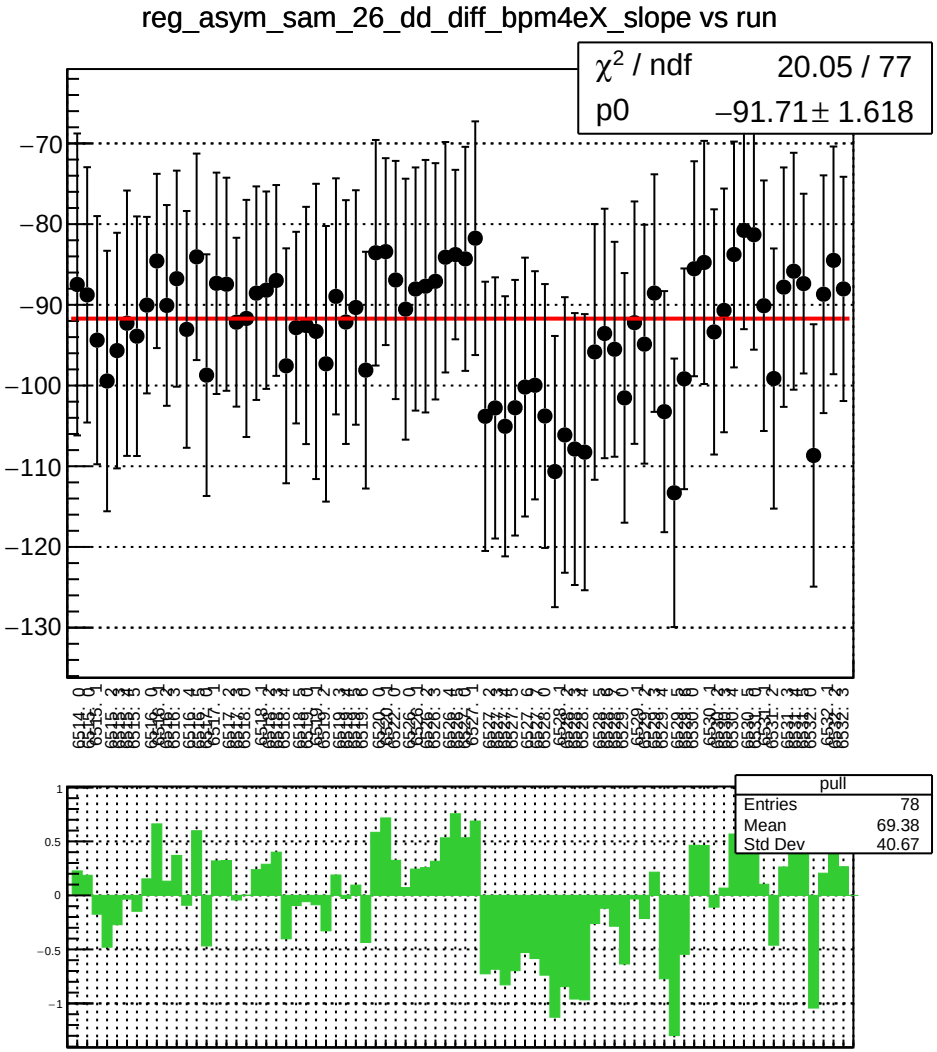

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.606 / 77
p0 0.6466 ± 0.0294
pull
Entries 78
Mean 64.16
Std Dev 60.12

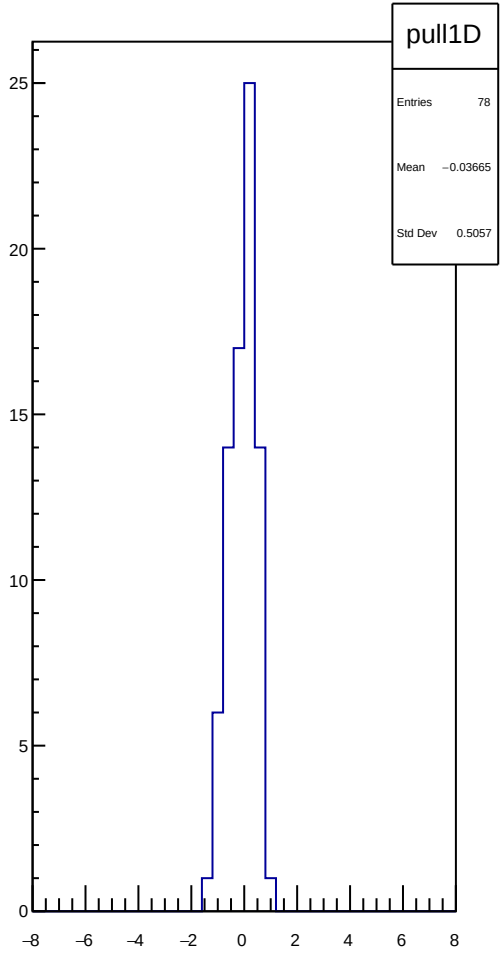

pull1D
Entries 78
Mean −0.008397
Std Dev 0.3321

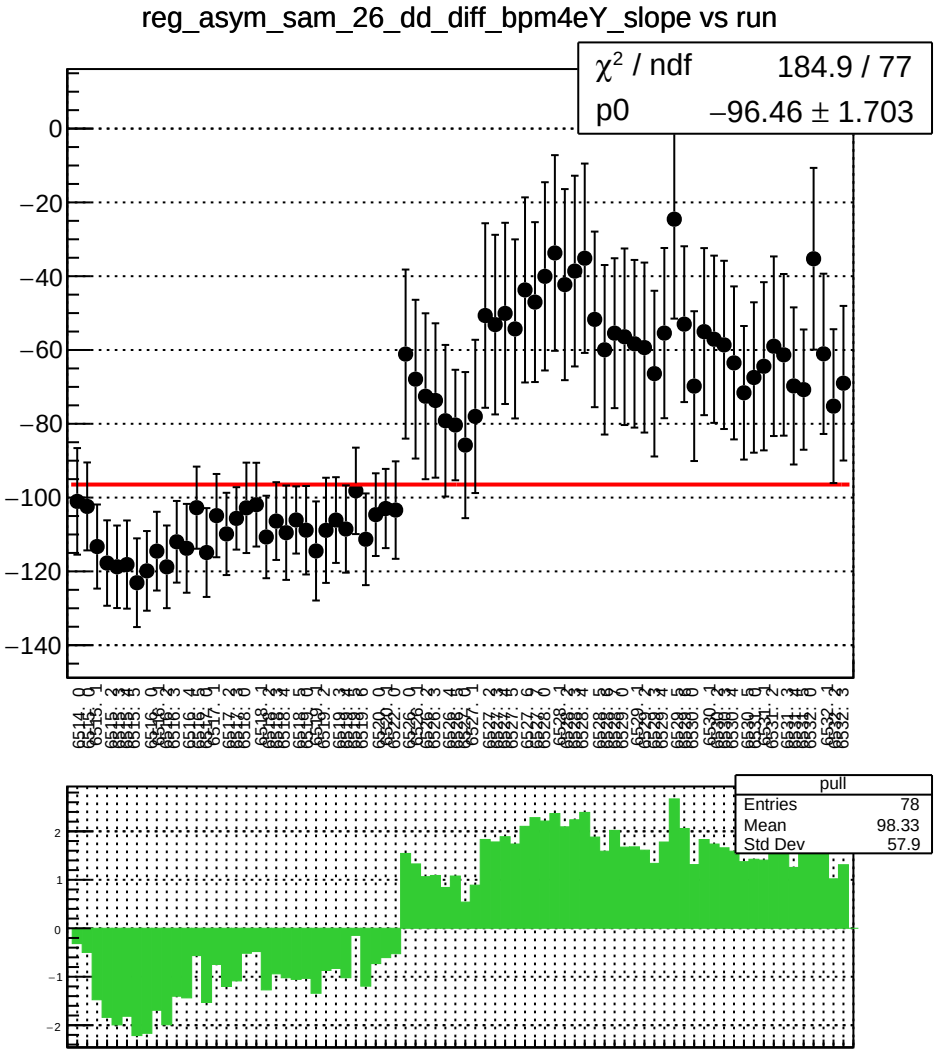

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 20.62 / 77
p0 −41.82 ± 1.492
pull
Entries 78
Mean 45.54
Std Dev 26.69

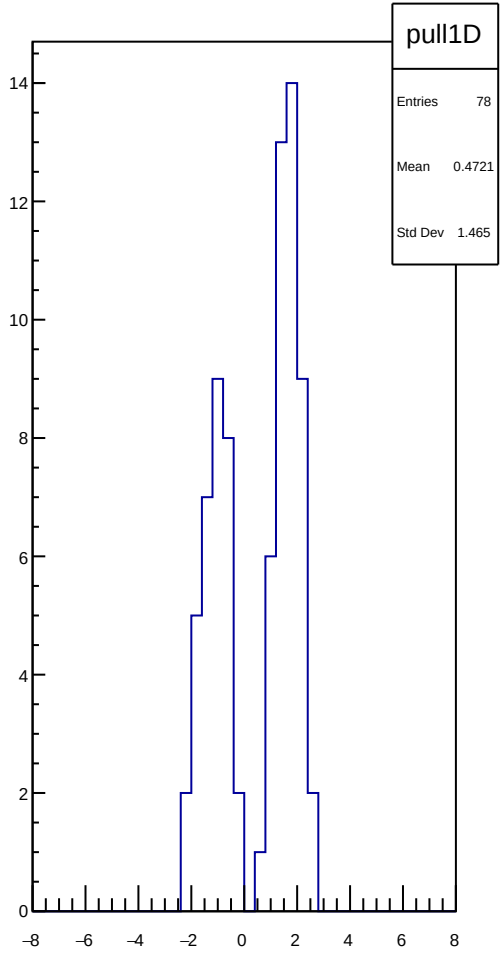

pull1D
Entries 78
Mean 0.03929
Std Dev 0.5127

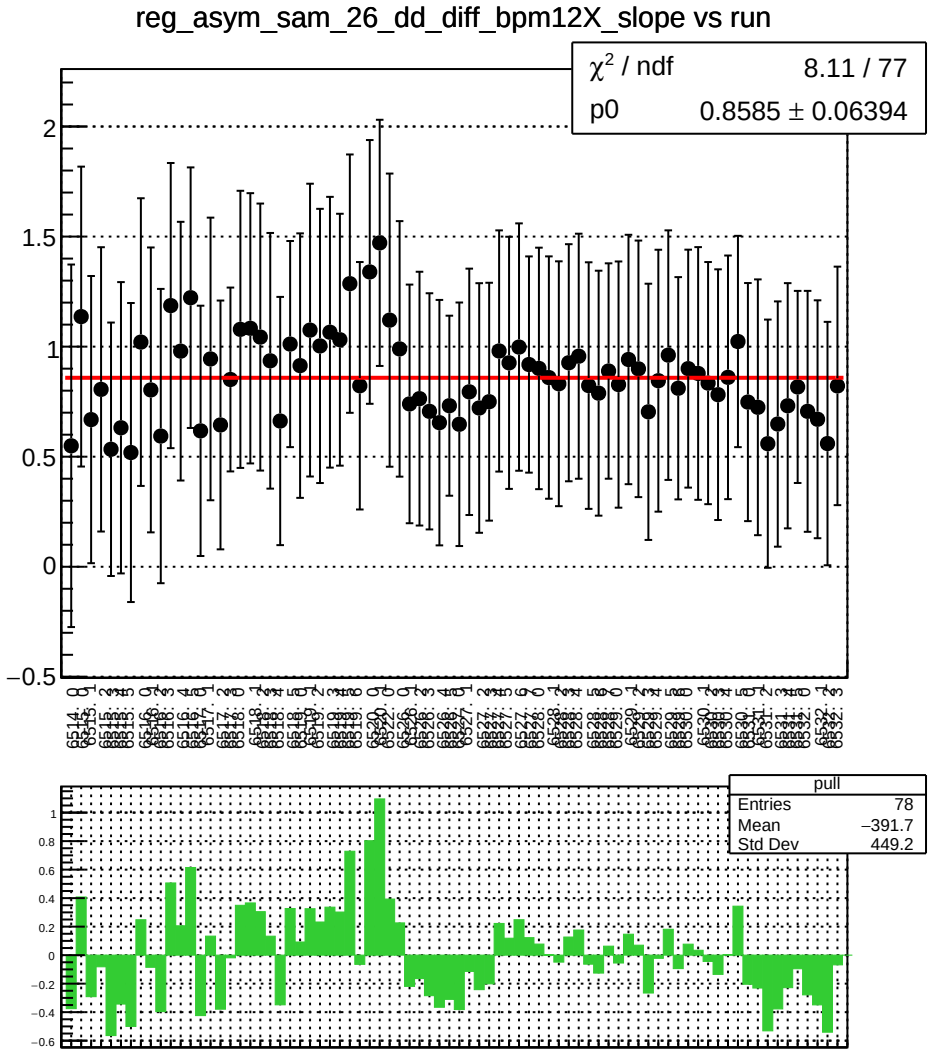

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 271.1 / 77
p0 −48.66 ± 1.485
pull
Entries 78
Mean 84.16
Std Dev 42.33
pull1D
Entries 78
Mean −0.7421
Std Dev 1.71

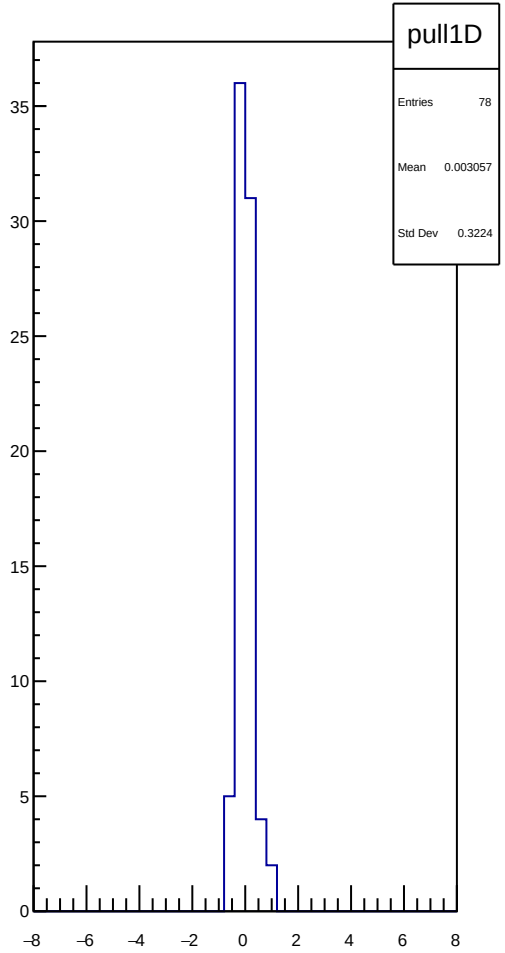

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.05 / 77
p0 −91.71 ± 1.618
pull
Entries 78
Mean 69.38
Std Dev 40.67

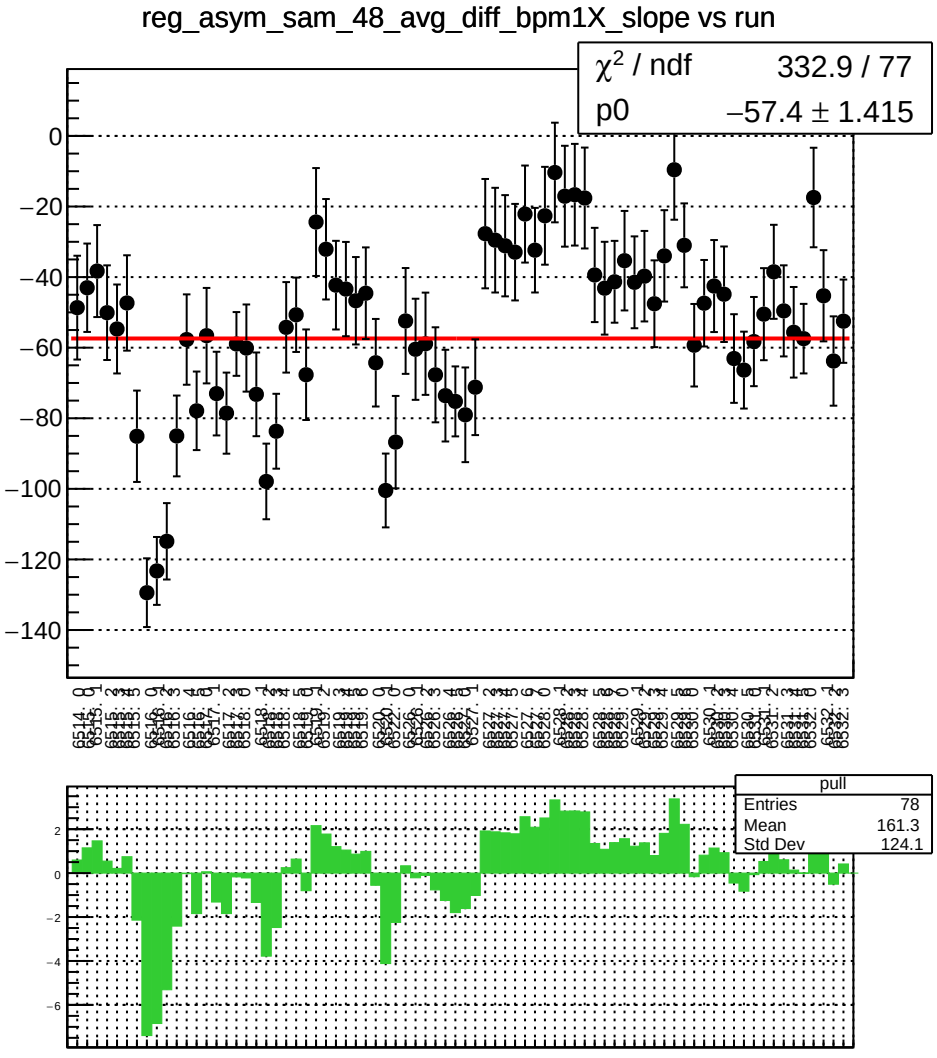

pull1D
Entries 78
Mean −0.03665
Std Dev 0.5057

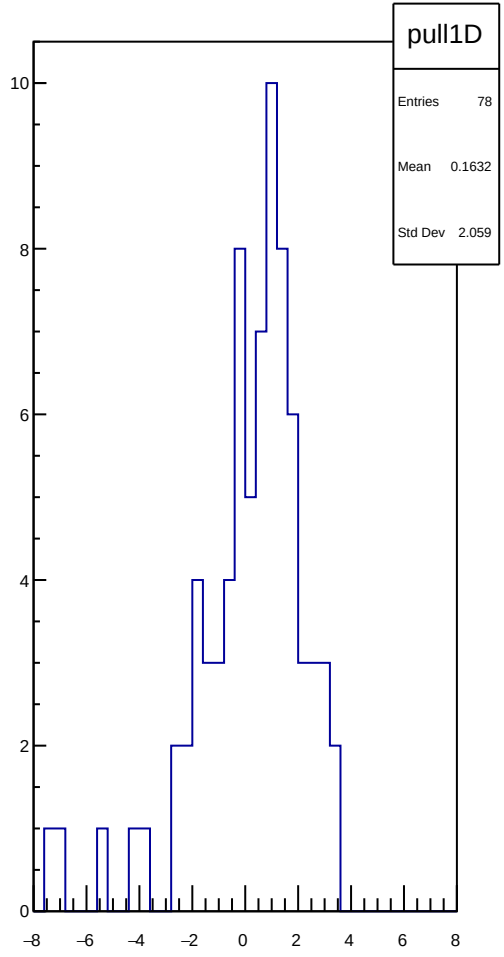

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 184.9 / 77
p0 −96.46 ± 1.703
pull
Entries 78
Mean 98.33
Std Dev 57.9

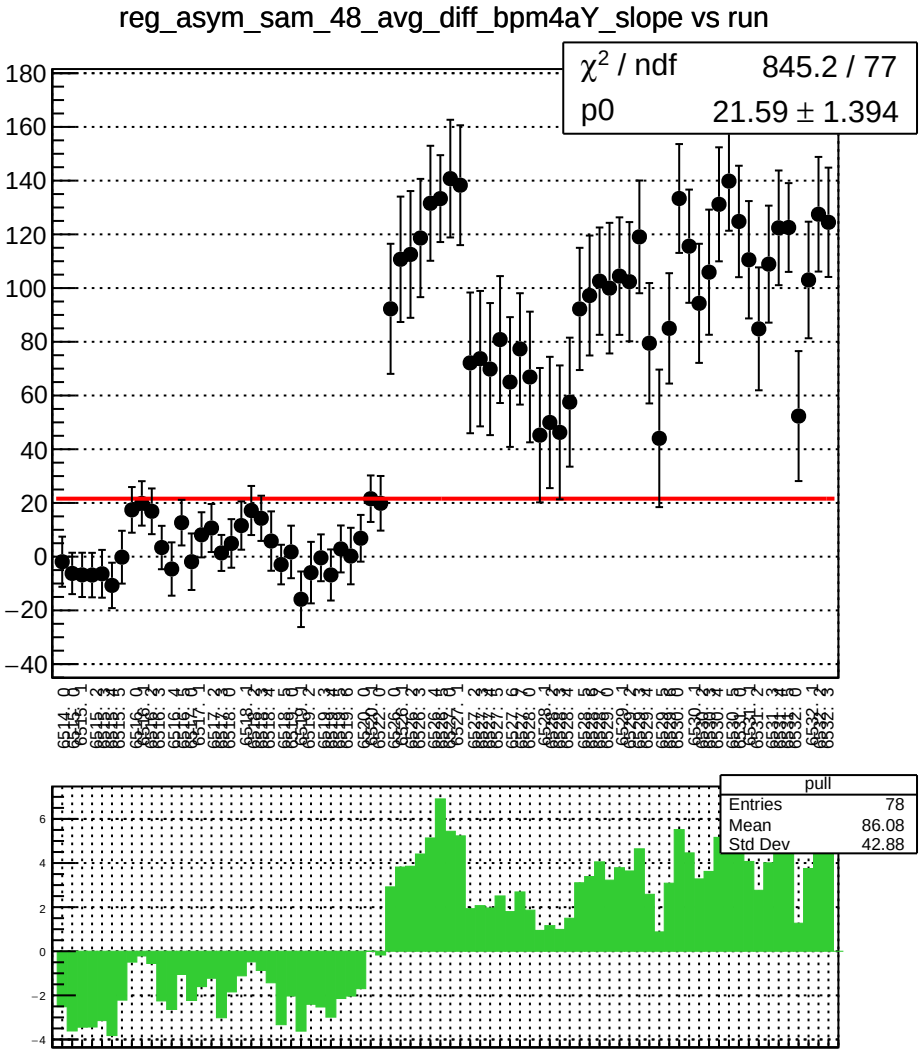

pull1D
Entries 78
Mean 0.4721
Std Dev 1.465

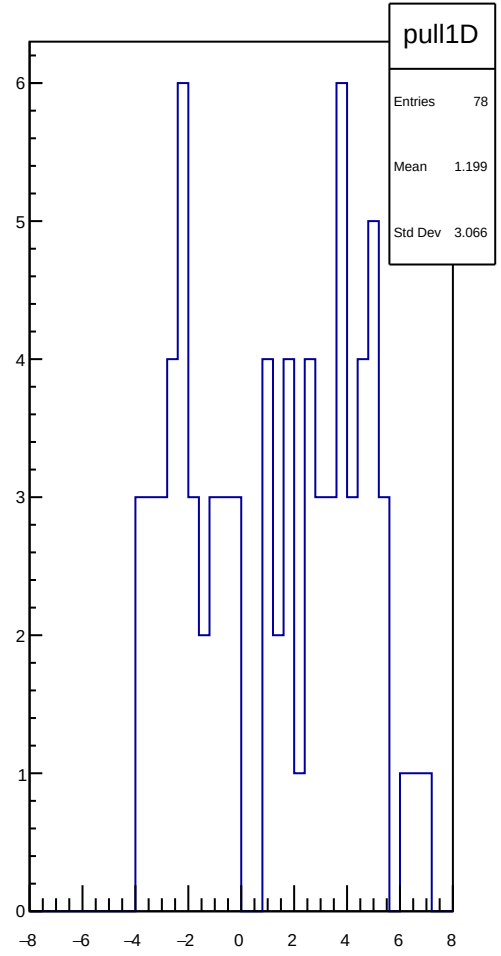

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.11 / 77
p0 0.8585 ± 0.06394
pull
Entries 78
Mean −391.7
Std Dev 449.2

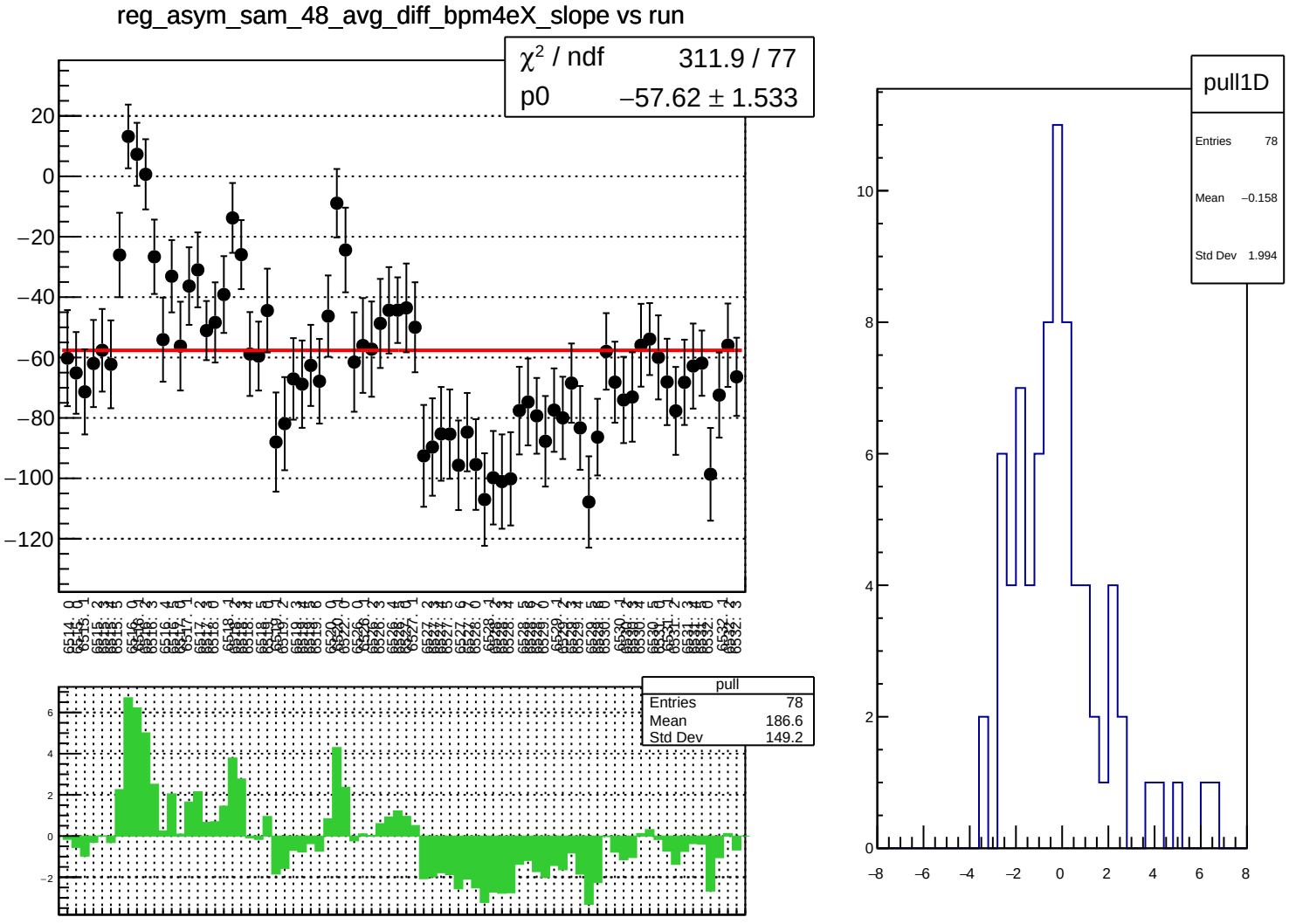

pull1D
Entries 78
Mean 0.003057
Std Dev 0.3224

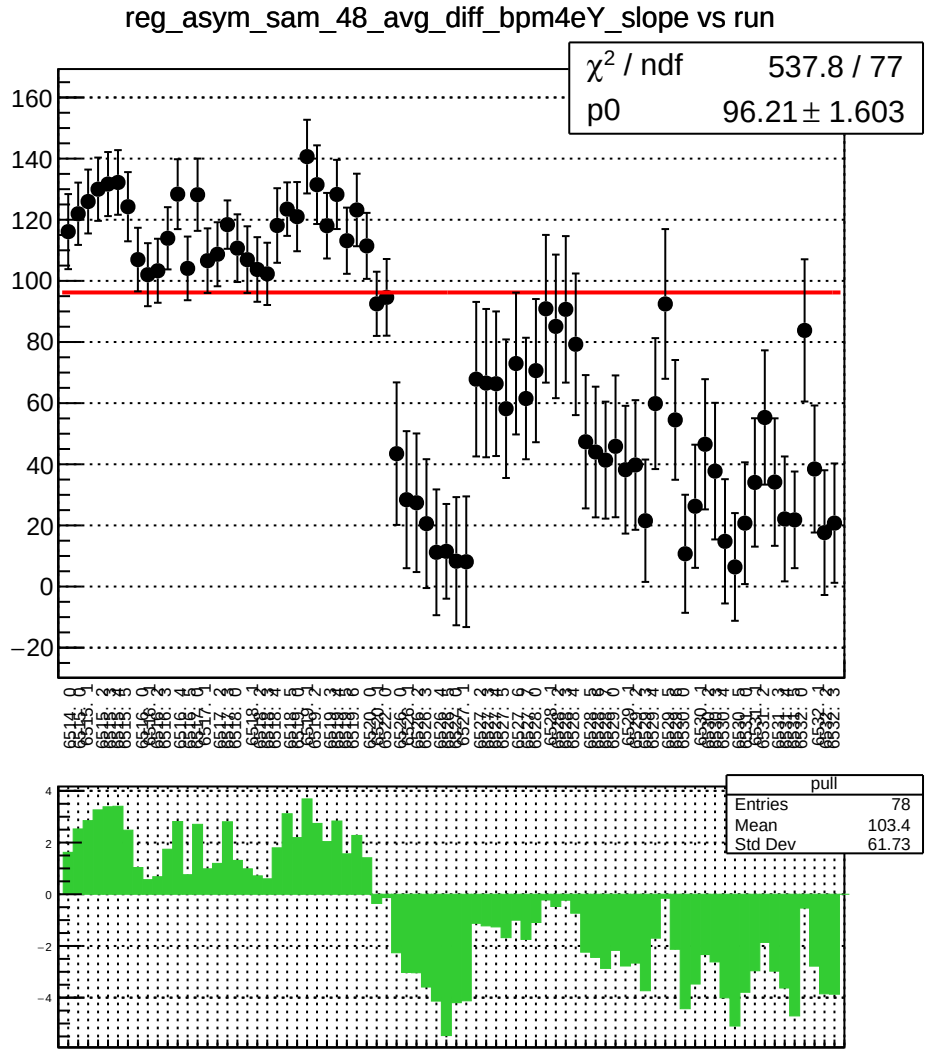

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 332.9 / 77
p0 −57.4 ± 1.415
pull
Entries 78
Mean 161.3
Std Dev 124.1

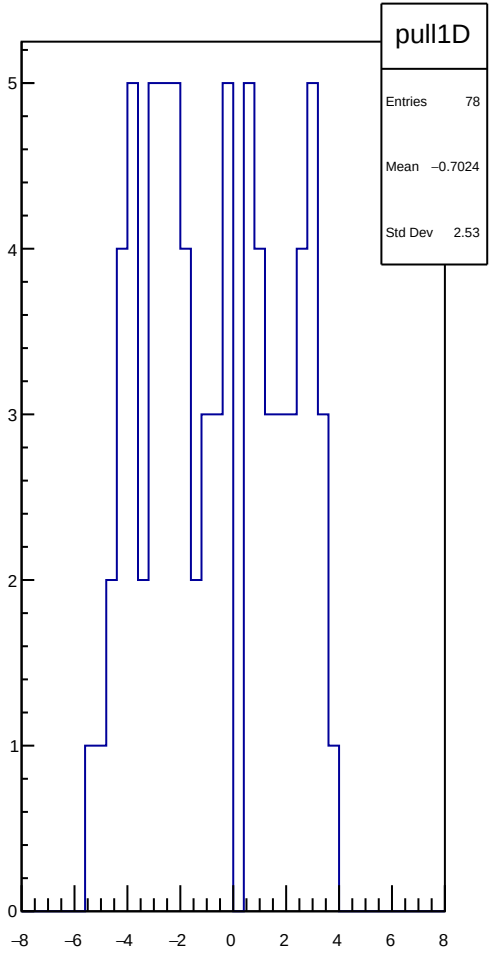

pull1D
Entries 78
Mean 0.1632
Std Dev 2.059

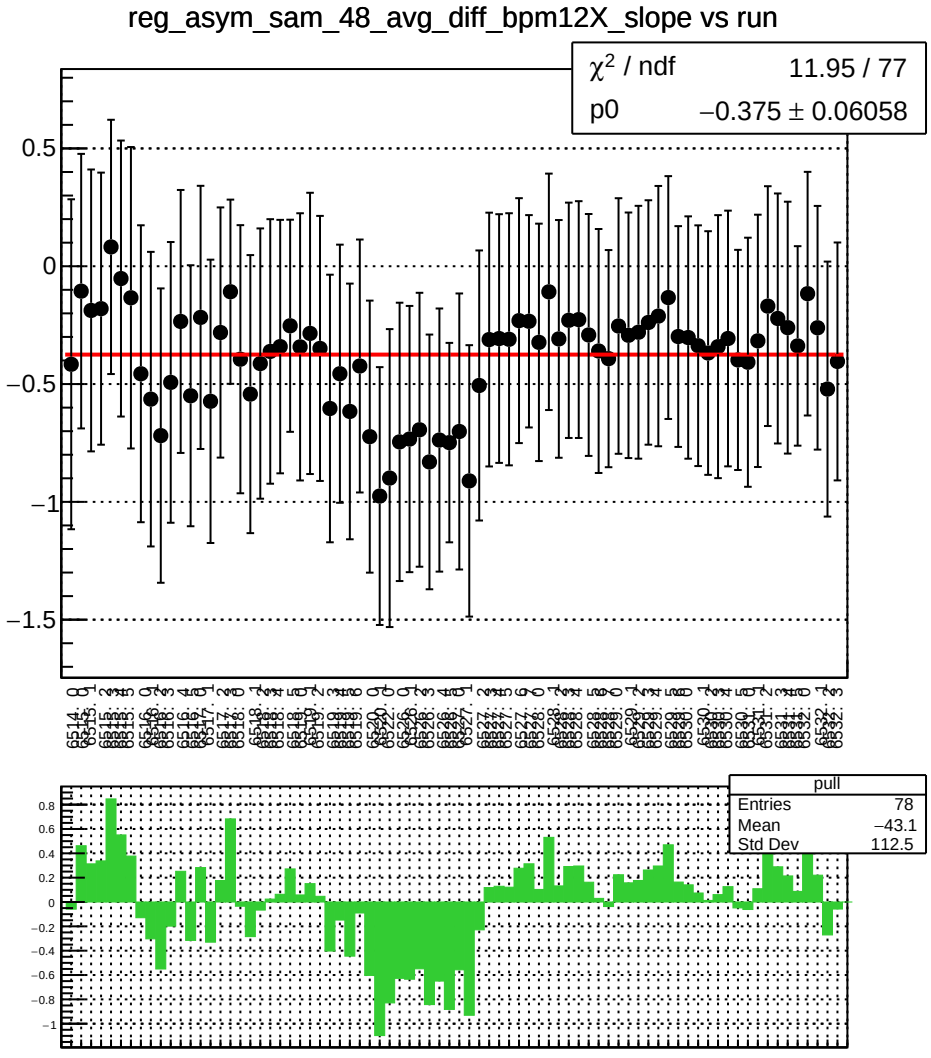

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 845.2 / 77
p0 21.59 ± 1.394
pull
Entries 78
Mean 86.08
Std Dev 42.88

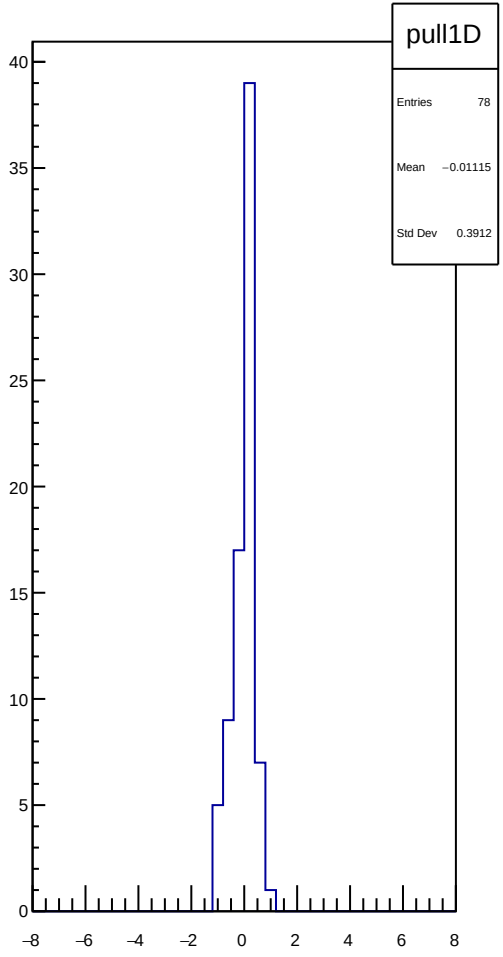

pull1D
Entries 78
Mean 1.199
Std Dev 3.066

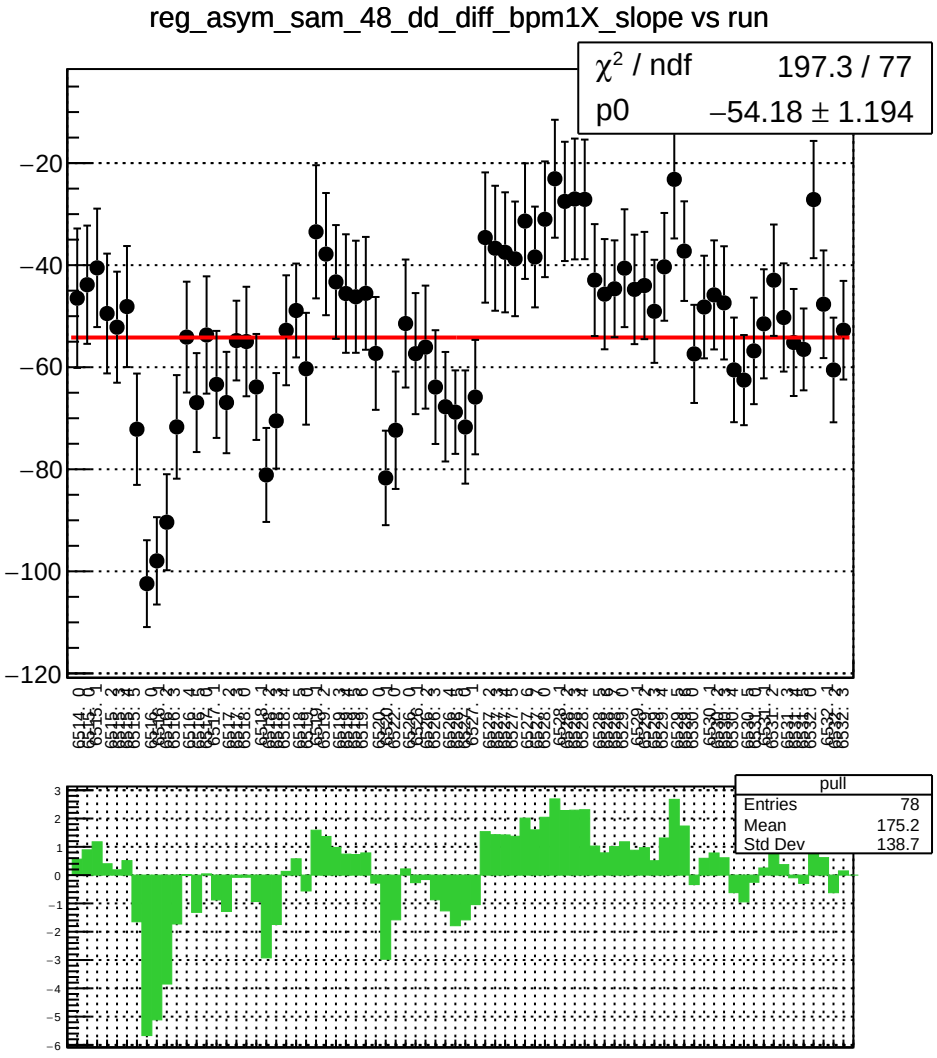

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 311.9 / 77
p0 −57.62 ± 1.533
pull
Entries 78
Mean 186.6
Std Dev 149.2
pull1D
Entries 78
Mean −0.158
Std Dev 1.994

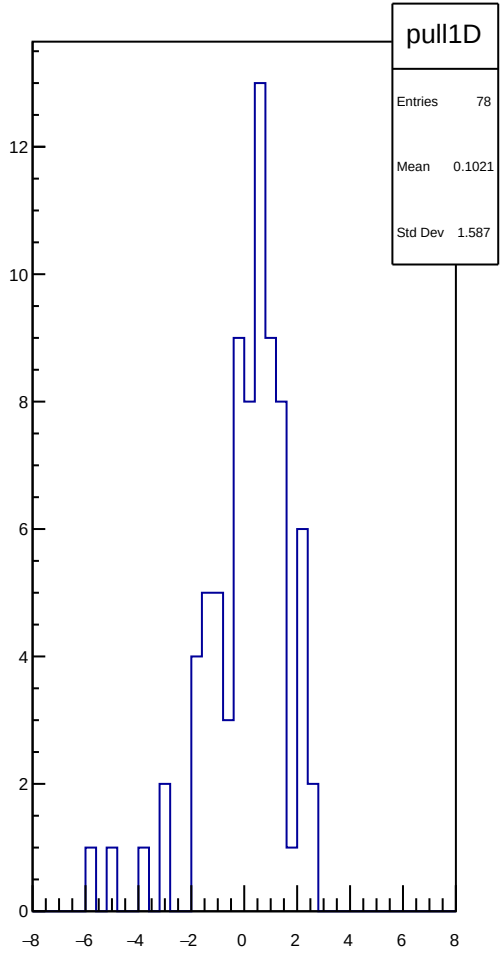

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 537.8 / 77
p0 96.21 ± 1.603
pull
Entries 78
Mean 103.4
Std Dev 61.73

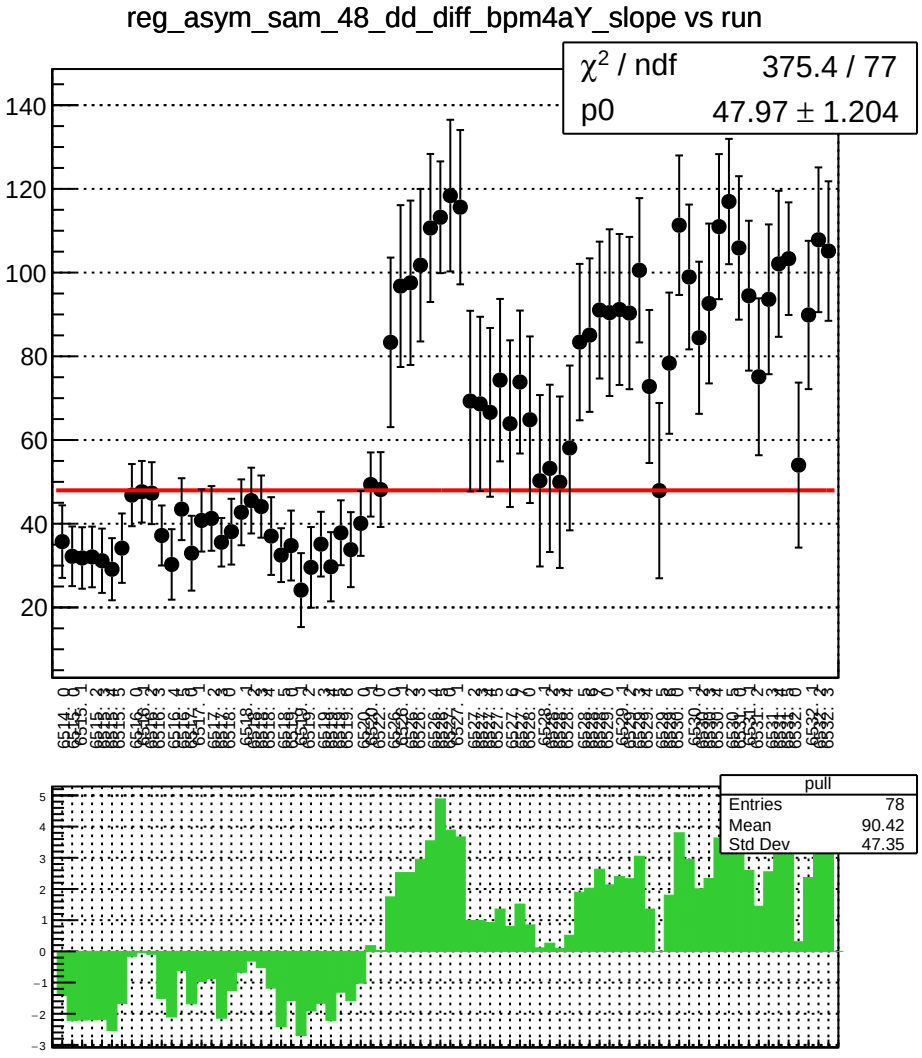

pull1D
Entries 78
Mean −0.7024
Std Dev 2.53

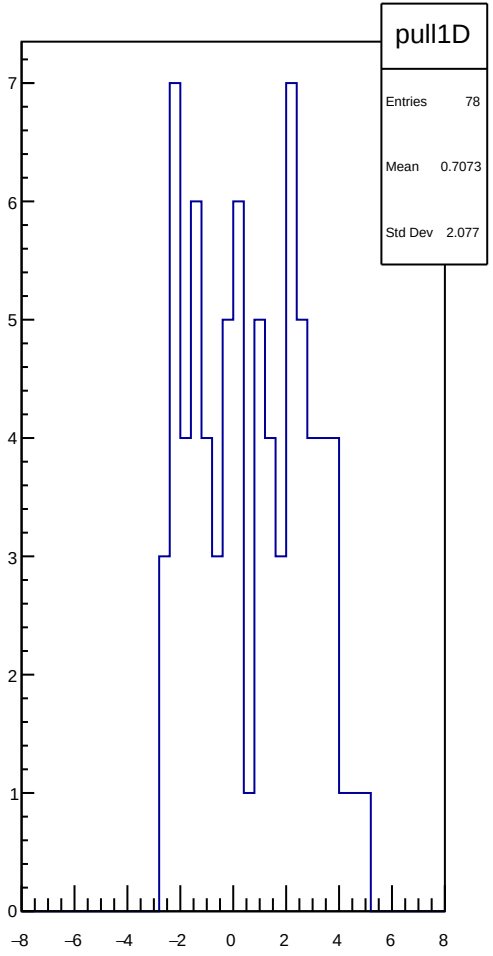

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.95 / 77
p0 −0.375 ± 0.06058
pull
Entries 78
Mean −43.1
Std Dev 112.5

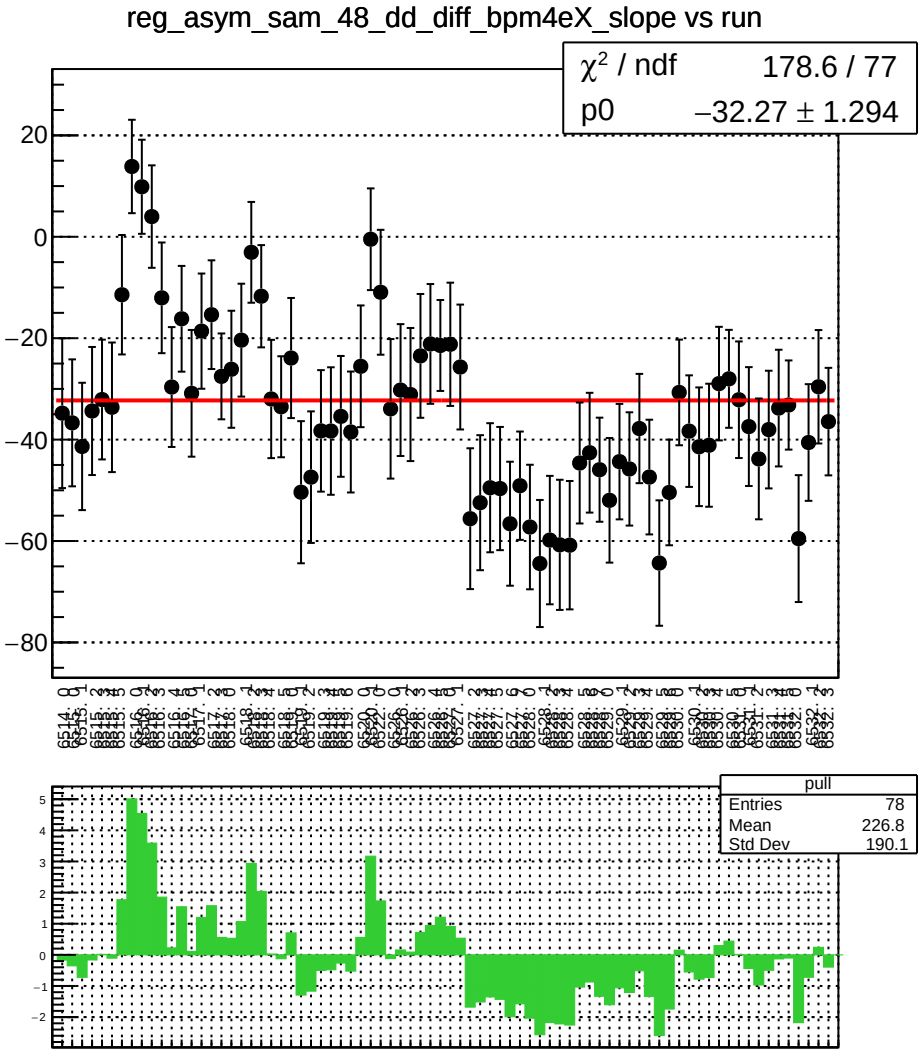

pull1D
Entries 78
Mean −0.01115
Std Dev 0.3912

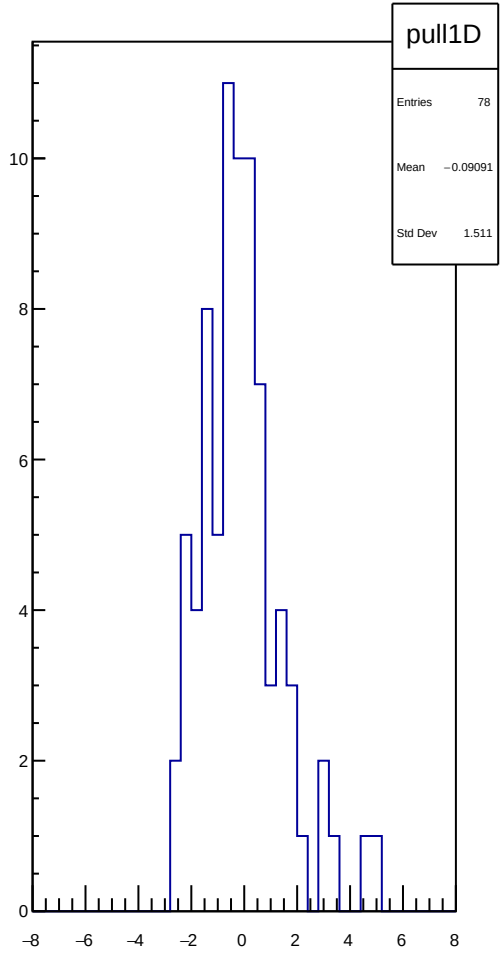

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 197.3 / 77
p0 −54.18 ± 1.194
pull
Entries 78
Mean 175.2
Std Dev 138.7

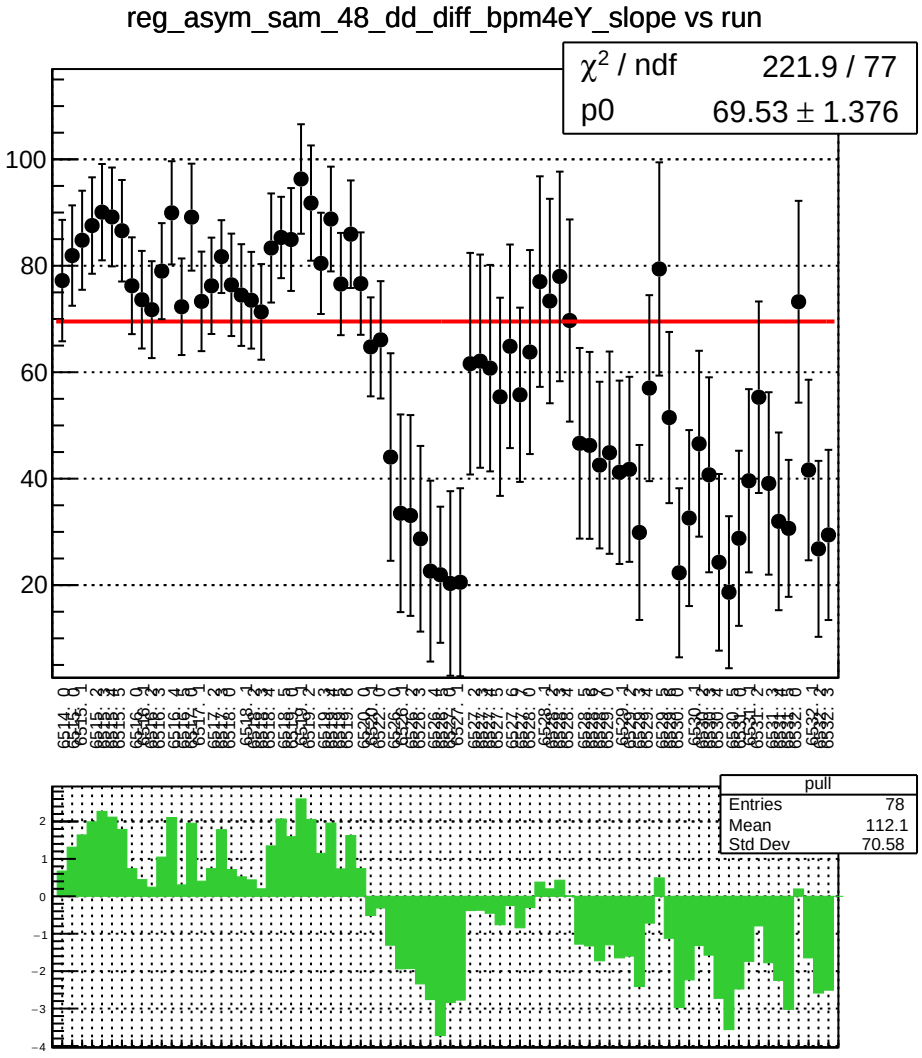

pull1D
Entries 78
Mean 0.1021
Std Dev 1.587

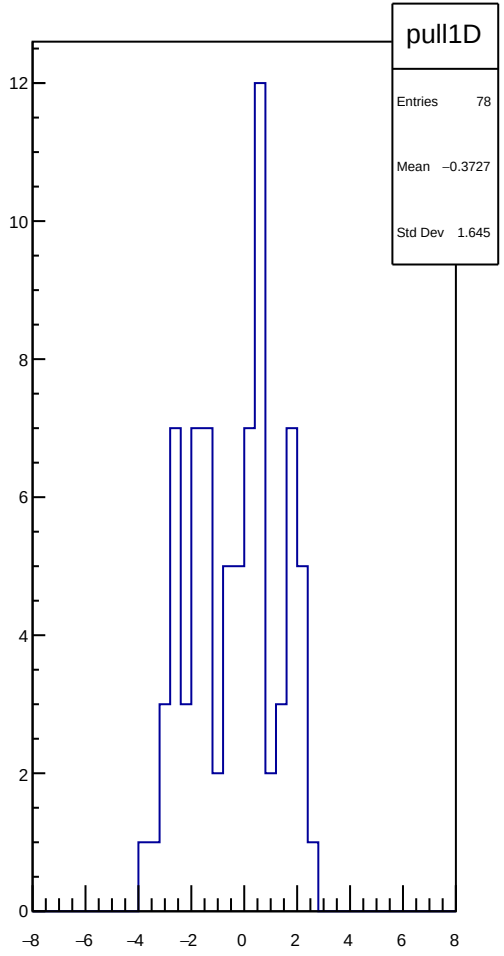

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 375.4 / 77
p0 47.97 ± 1.204
pull
Entries 78
Mean 90.42
Std Dev 47.35

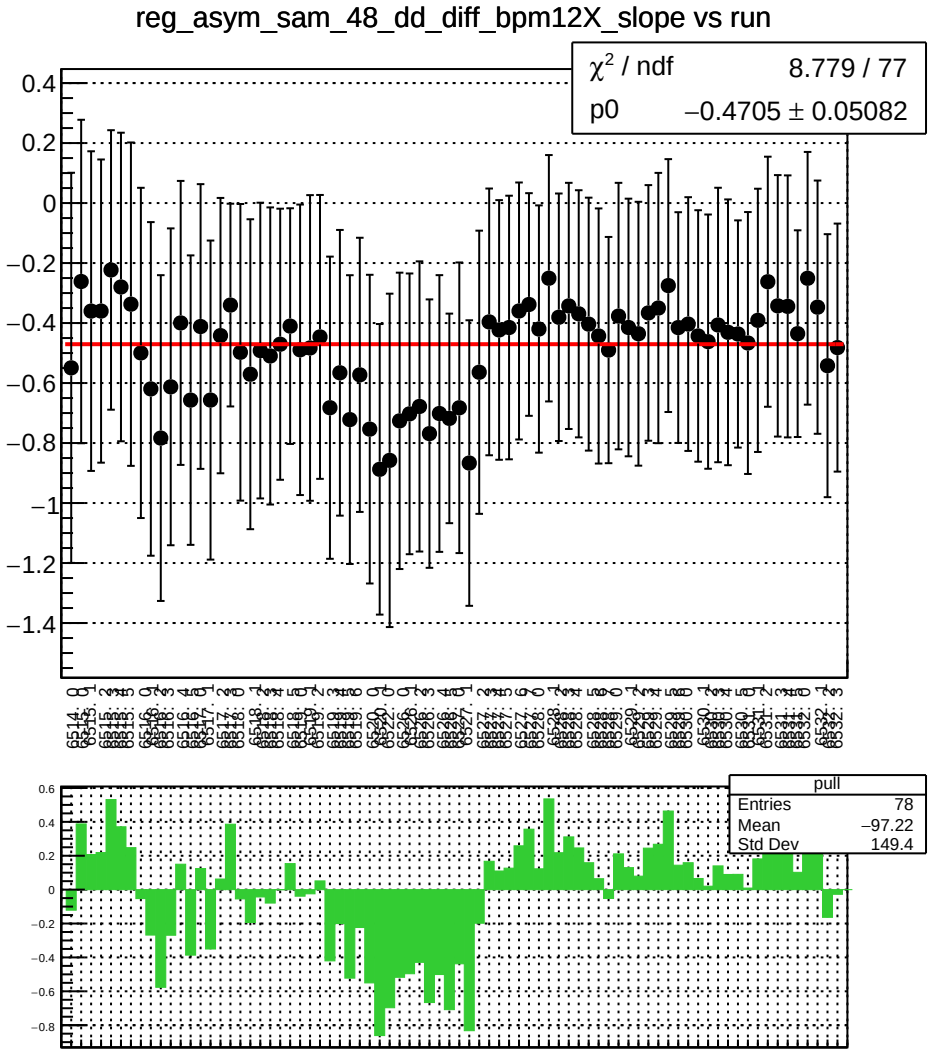

pull1D
Entries 78
Mean 0.7073
Std Dev 2.077

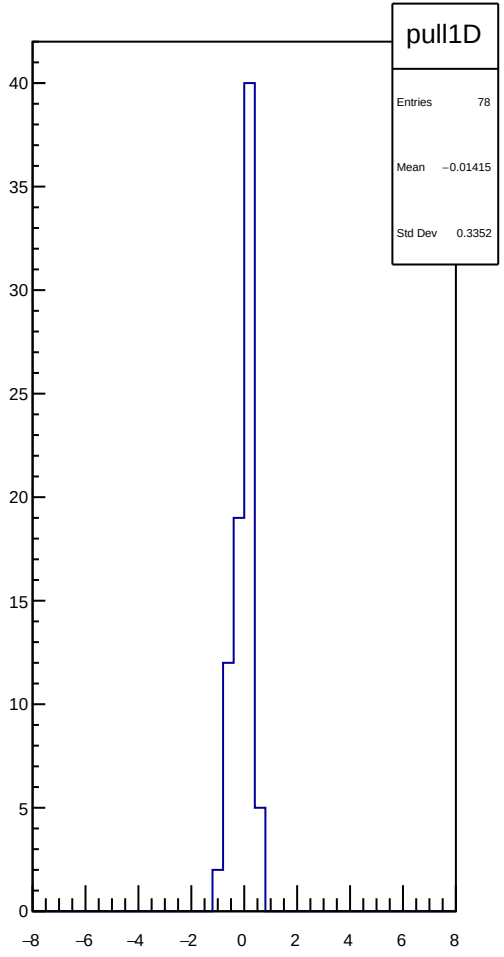

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 178.6 / 77
p0 −32.27 ± 1.294
pull
Entries 78
Mean 226.8
Std Dev 190.1

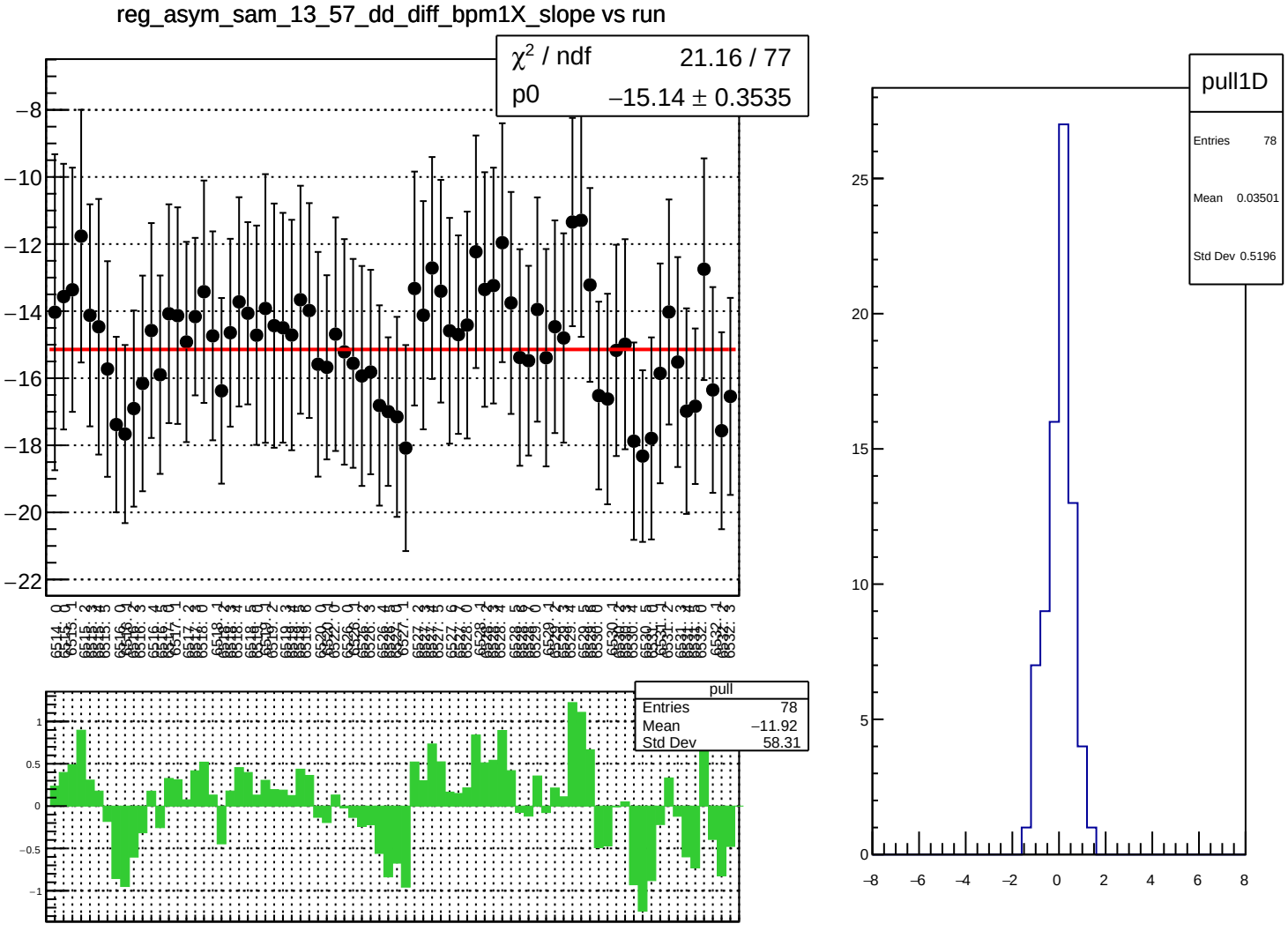

pull1D
Entries 78
Mean −0.09091
Std Dev 1.511

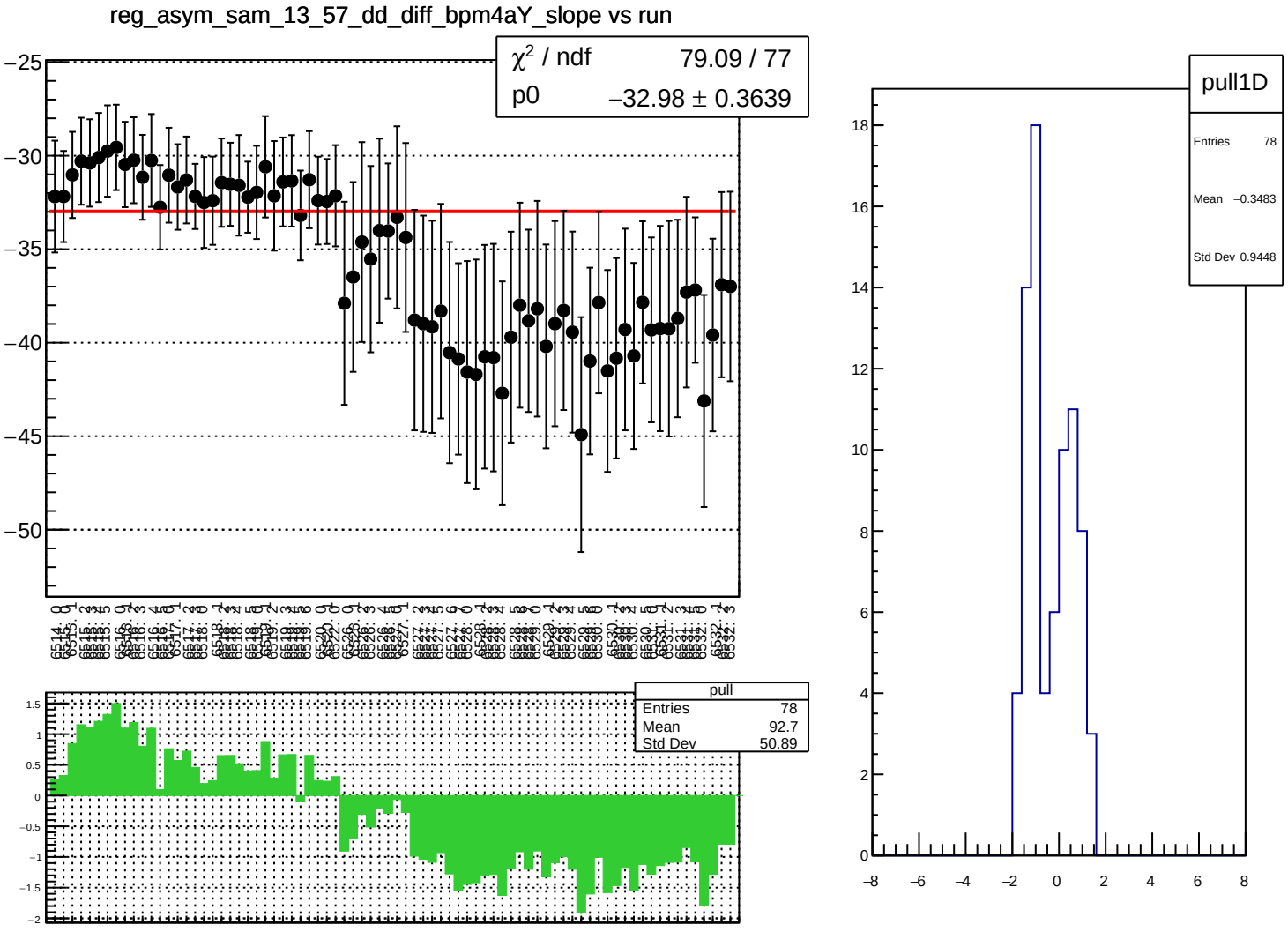

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 221.9 / 77
p0 69.53 ± 1.376
pull
Entries 78
Mean 112.1
Std Dev 70.58

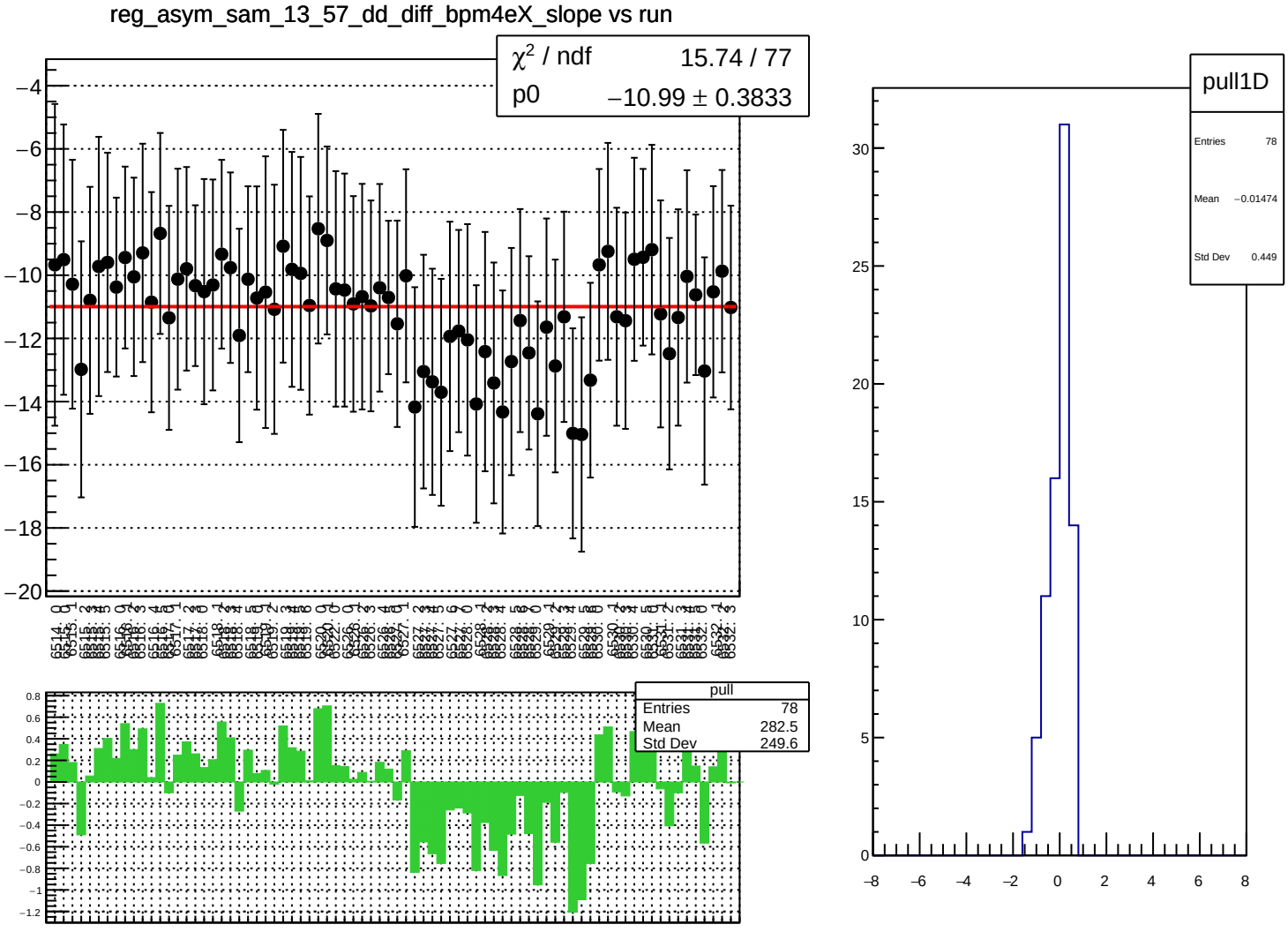

pull1D
Entries 78
Mean −0.3727
Std Dev 1.645

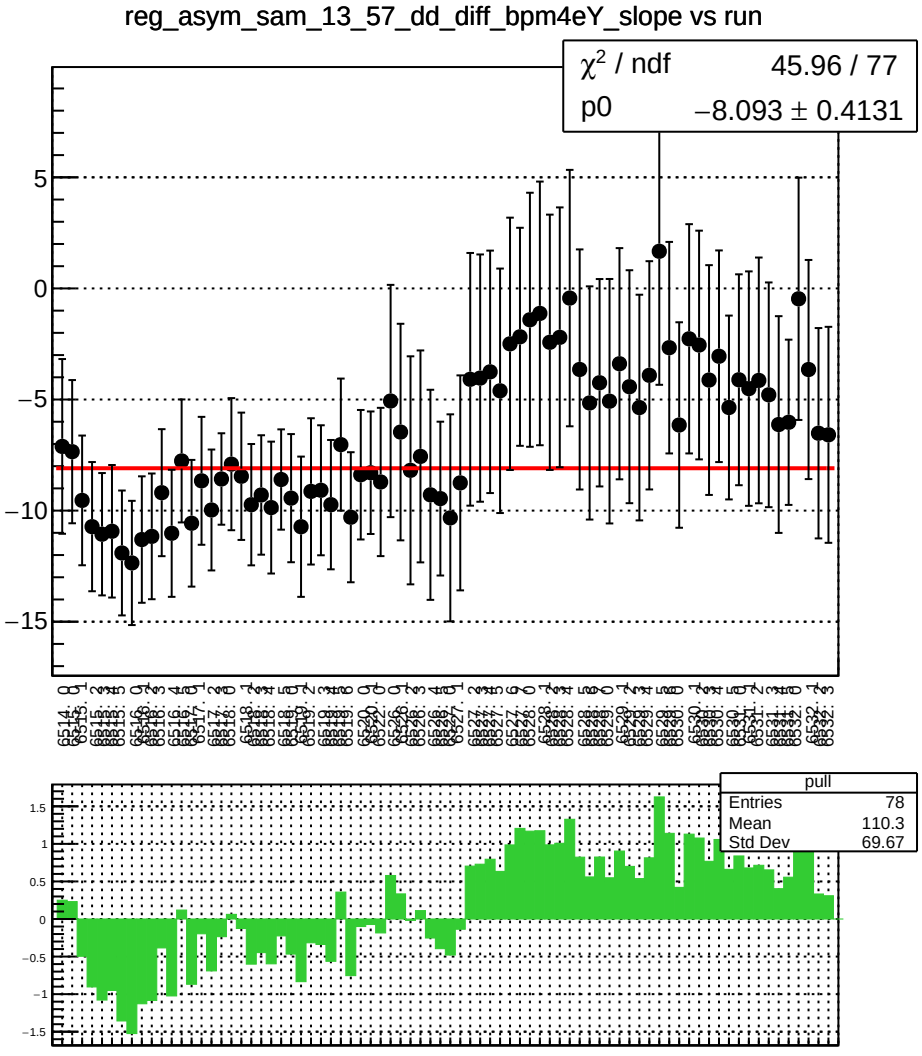

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.779 / 77
p0 −0.4705 ± 0.05082
pull
Entries 78
Mean −97.22
Std Dev 149.4

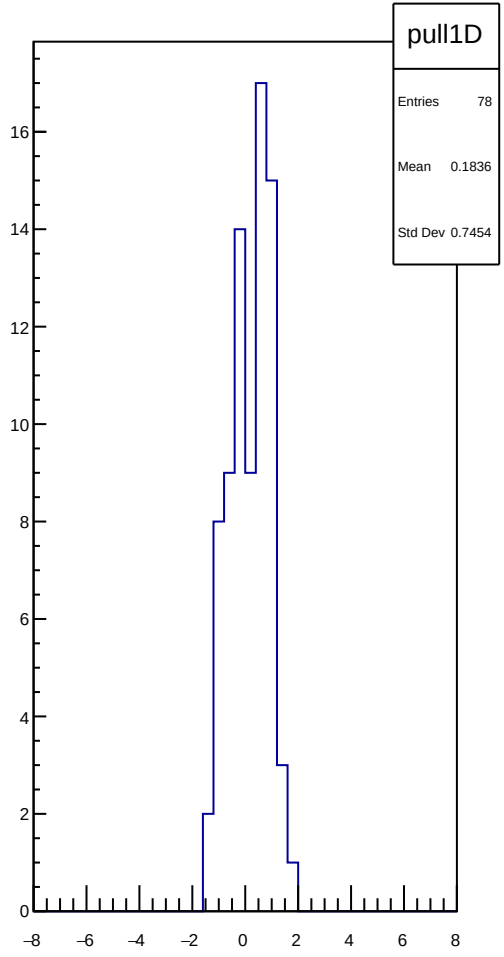

pull1D
Entries 78
Mean −0.01415
Std Dev 0.3352

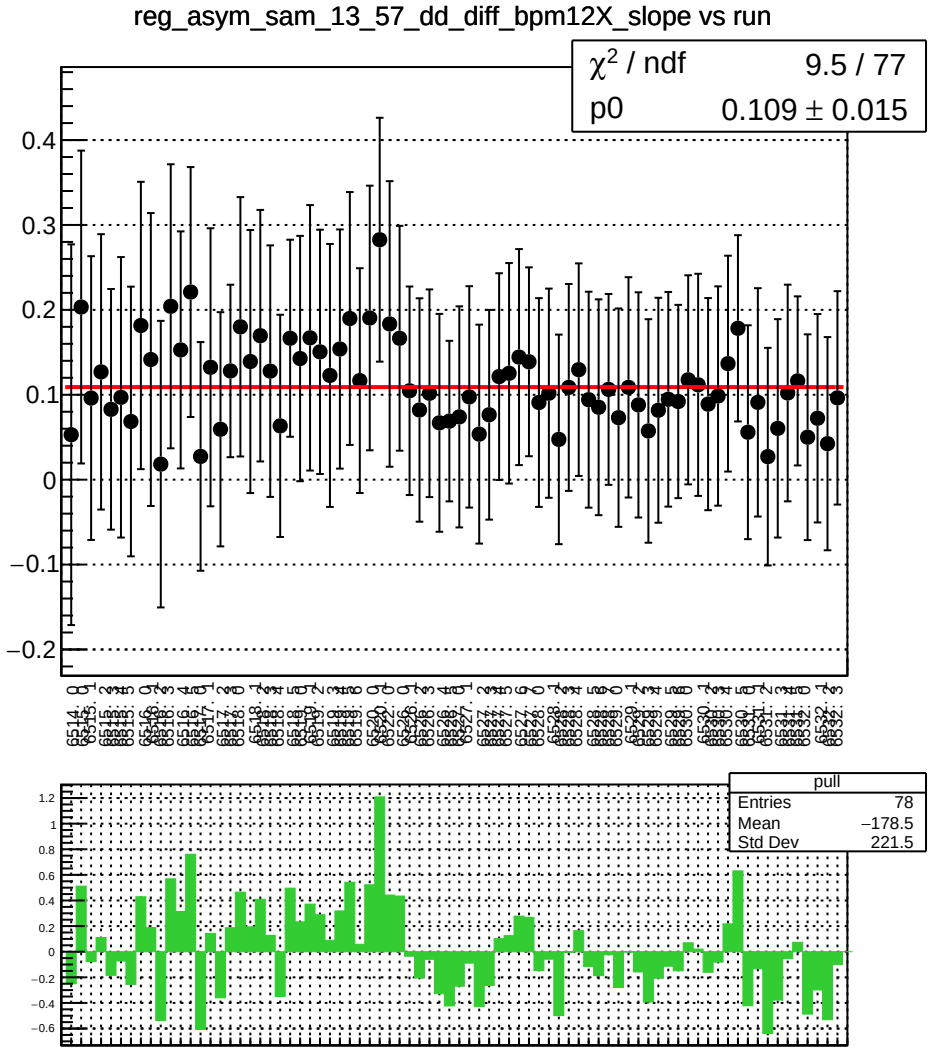

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 21.16 / 77
p0 −15.14 ± 0.3535
pull
Entries 78
Mean −11.92
Std Dev 58.31
pull1D
Entries 78
Mean 0.03501
Std Dev 0.5196

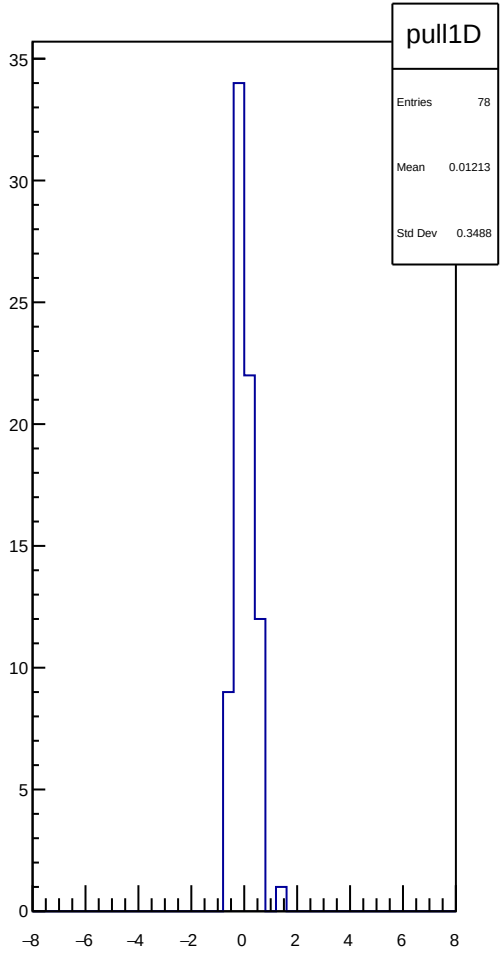

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.09 / 77
p0 −32.98 ± 0.3639
pull
Entries 78
Mean 92.7
Std Dev 50.89
pull1D
Entries 78
Mean −0.3483
Std Dev 0.9448

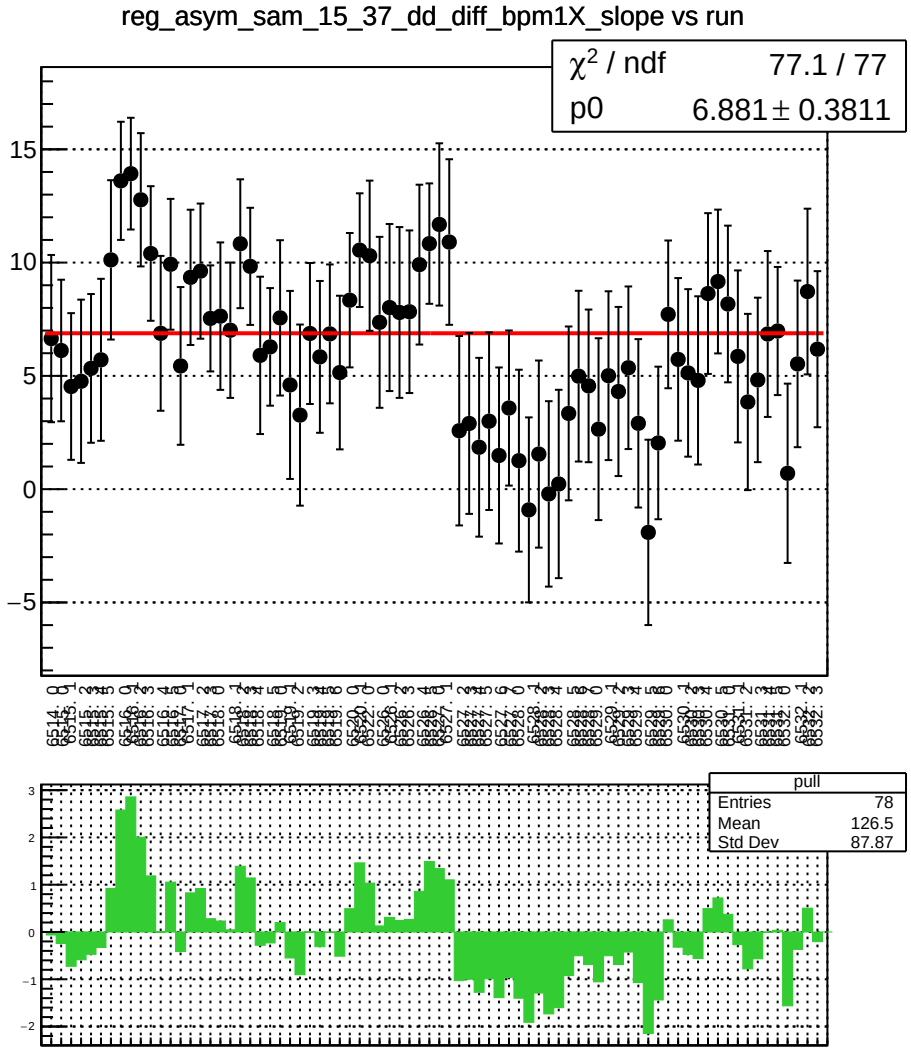

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 15.74 / 77
p0 −10.99 ± 0.3833
pull
Entries 78
Mean 282.5
Std Dev 249.6
pull1D
Entries 78
Mean −0.01474
Std Dev 0.449

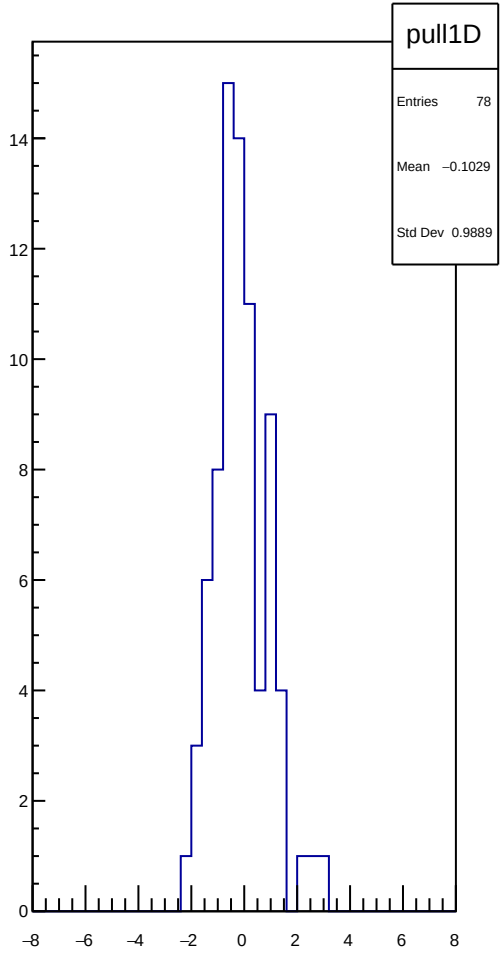

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.96 / 77
p0 −8.093 ± 0.4131
pull
Entries 78
Mean 110.3
Std Dev 69.67

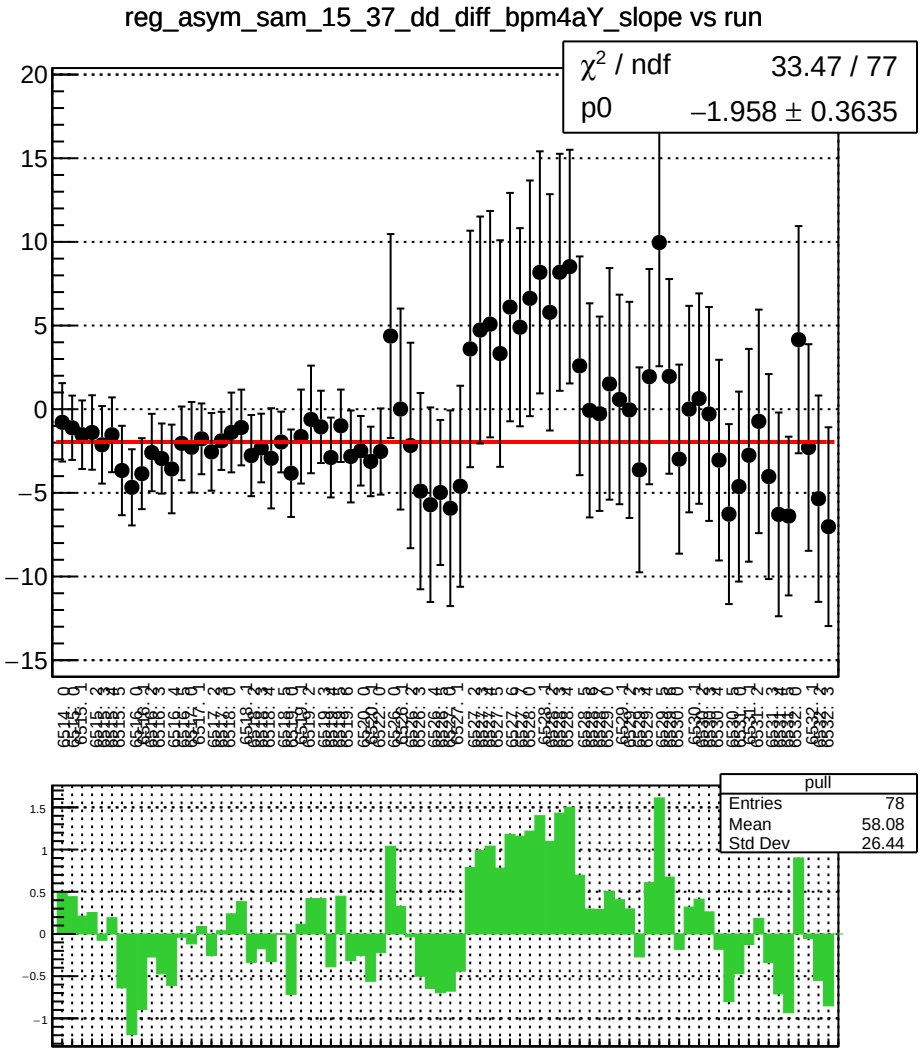

pull1D
Entries 78
Mean 0.1836
Std Dev 0.7454

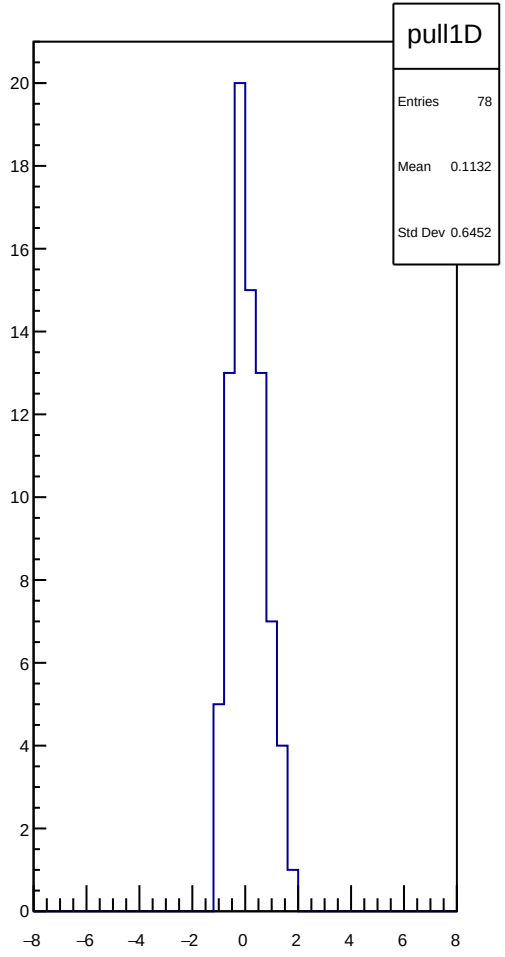

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.5 / 77
p0 0.109 ± 0.015
pull
Entries 78
Mean −178.5
Std Dev 221.5

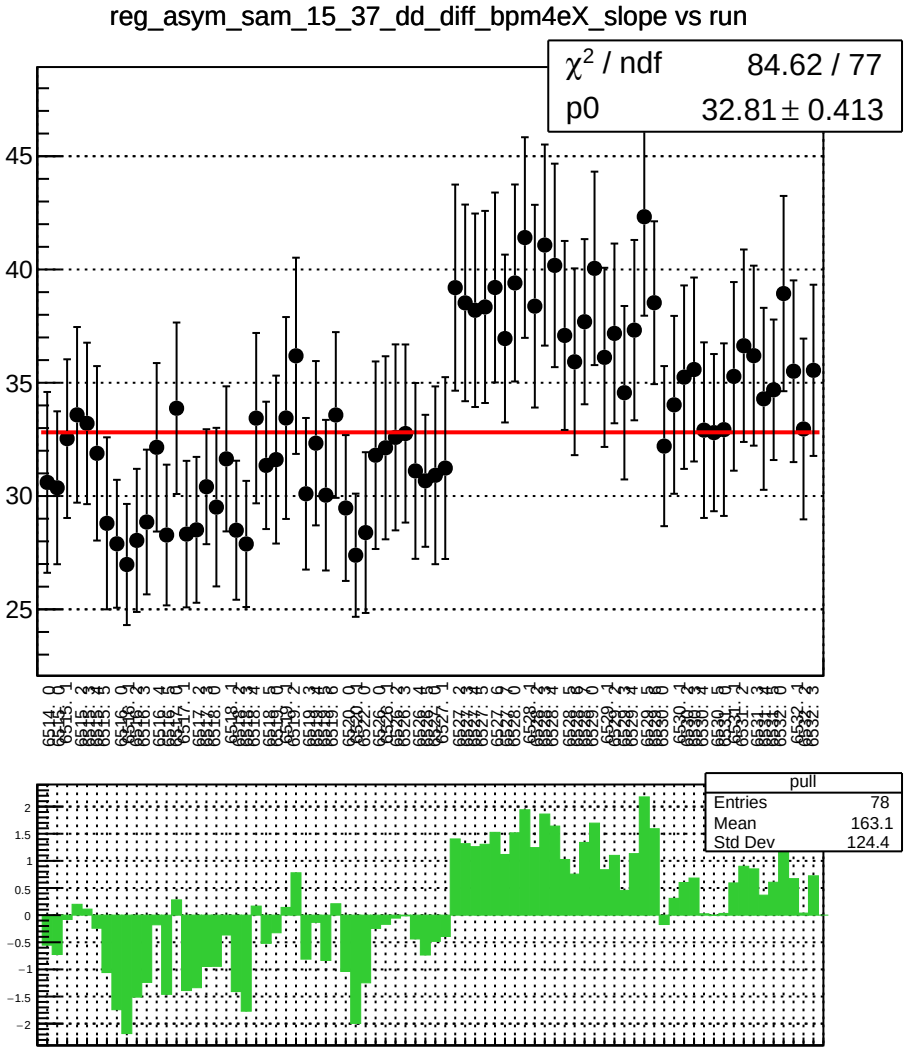

pull1D
Entries 78
Mean 0.01213
Std Dev 0.3488

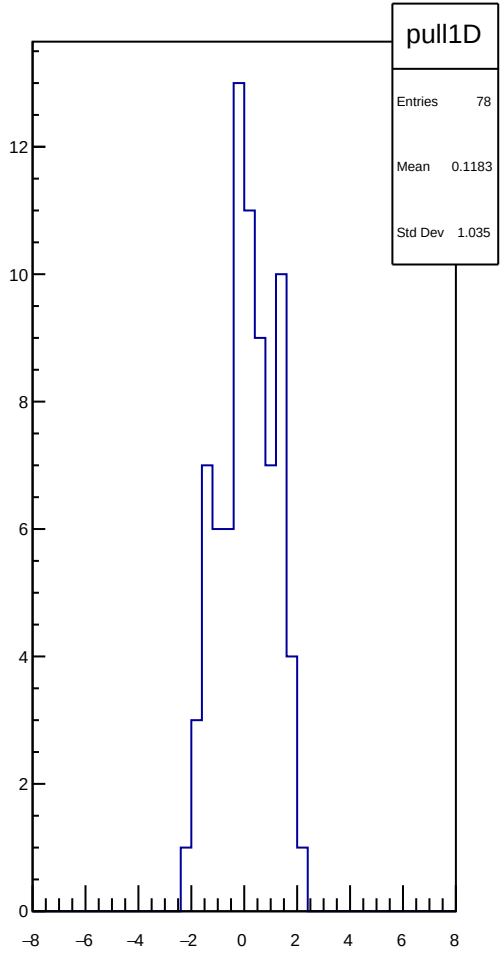

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 77.1 / 77
p0 6.881 ± 0.3811
pull
Entries 78
Mean 126.5
Std Dev 87.87

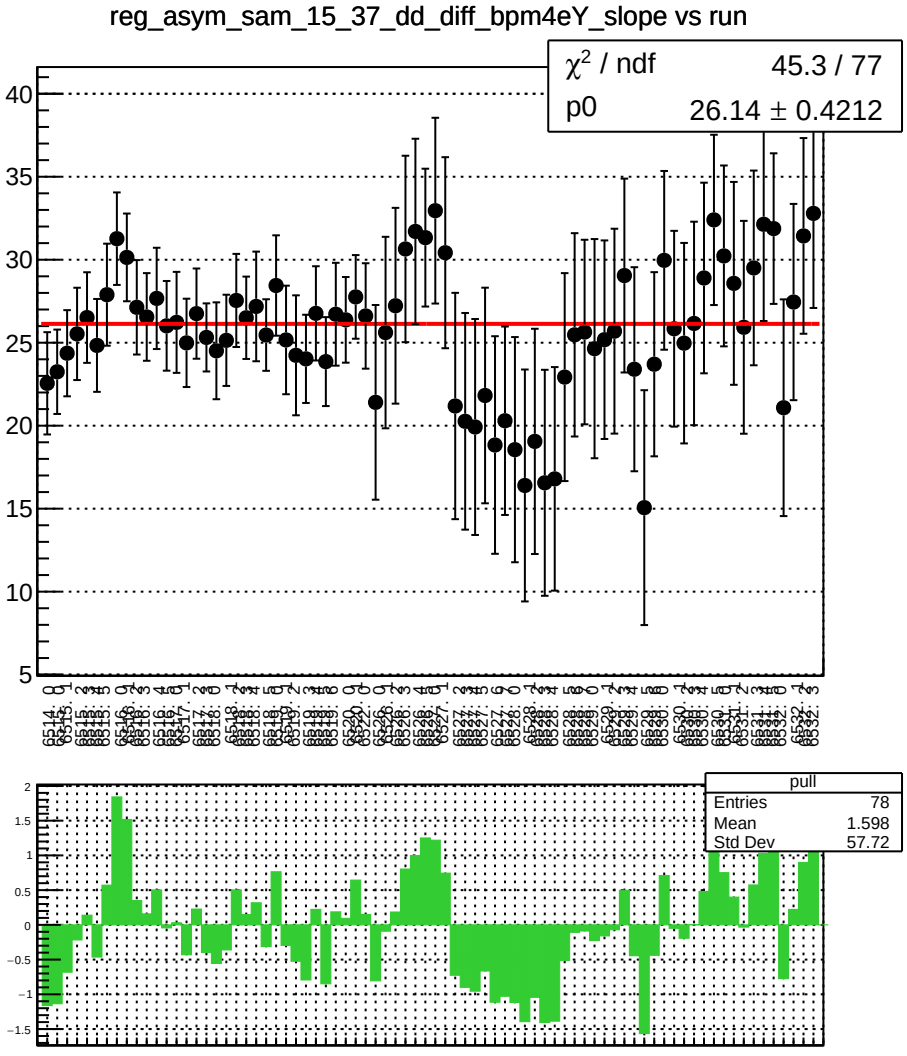

pull1D
Entries 78
Mean −0.1029
Std Dev 0.9889

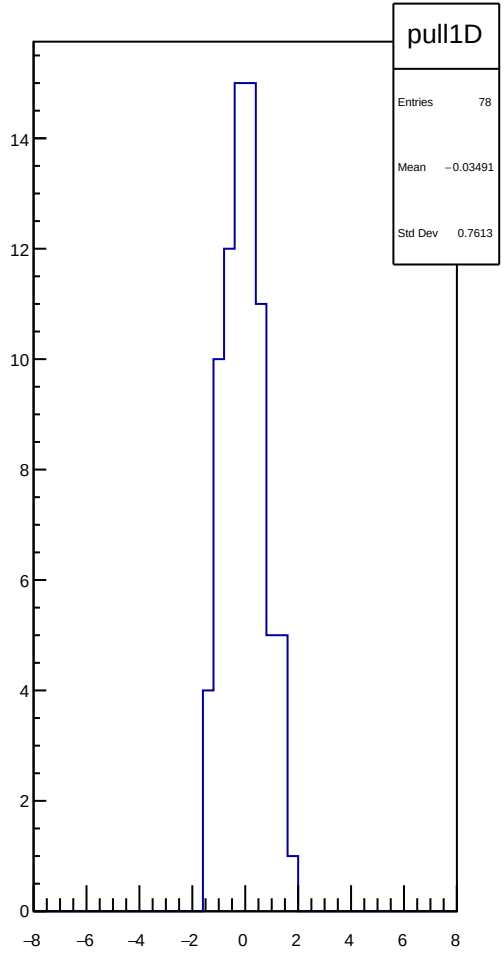

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.47 / 77
p0 −1.958 ± 0.3635
pull
Entries 78
Mean 58.08
Std Dev 26.44

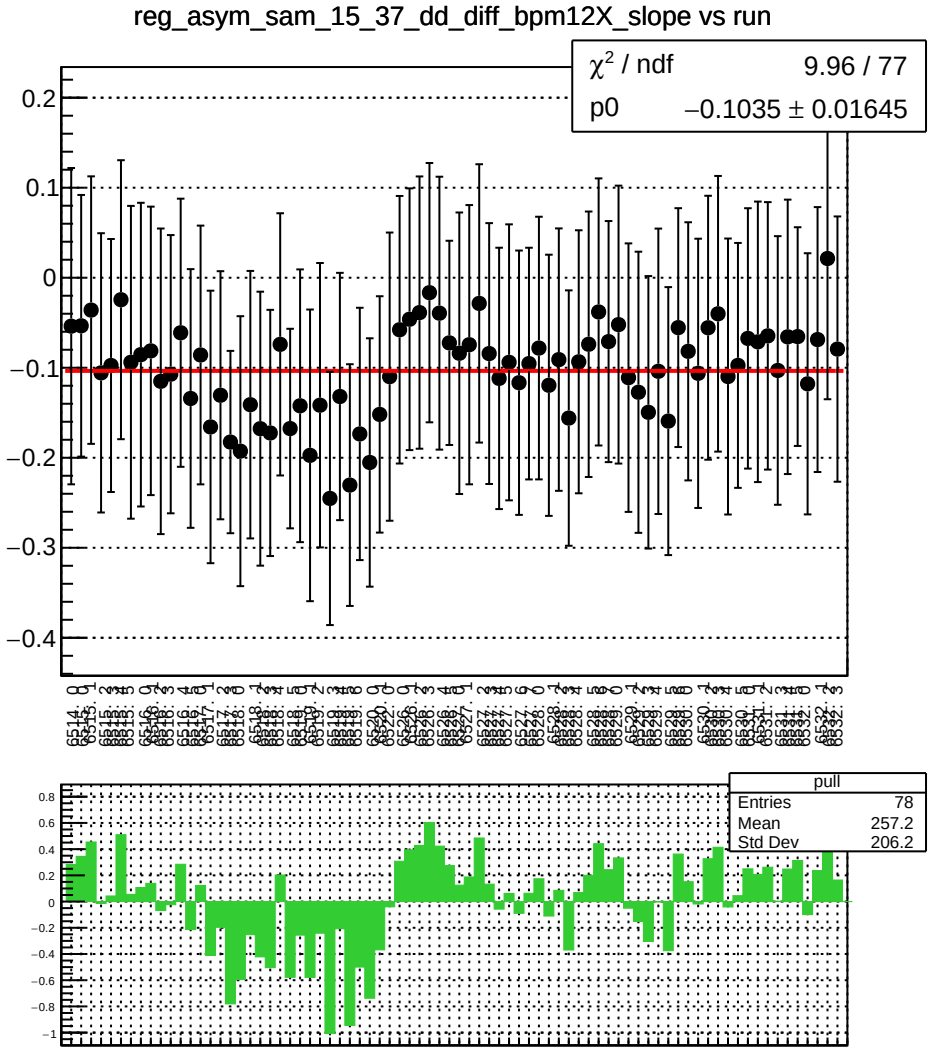

pull1D
Entries 78
Mean 0.1132
Std Dev 0.6452

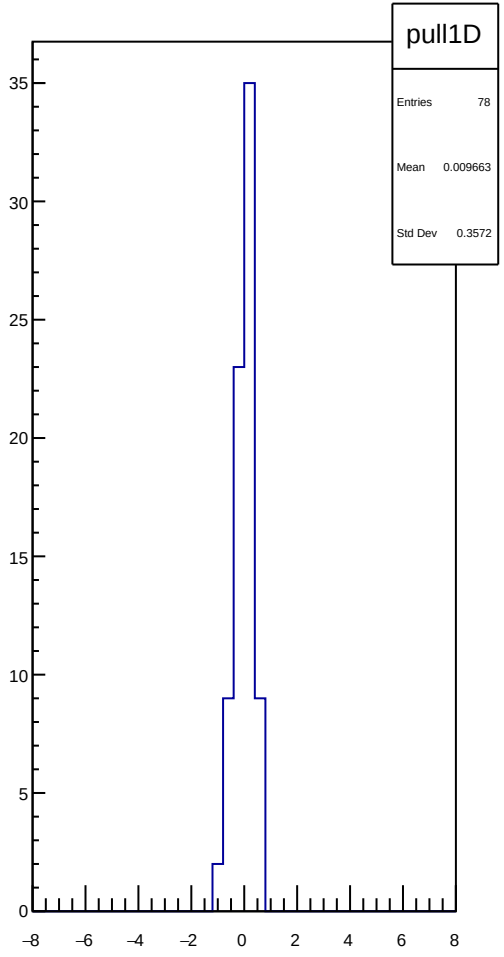

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 84.62 / 77
p0 32.81 ± 0.413
pull
Entries 78
Mean 163.1
Std Dev 124.4

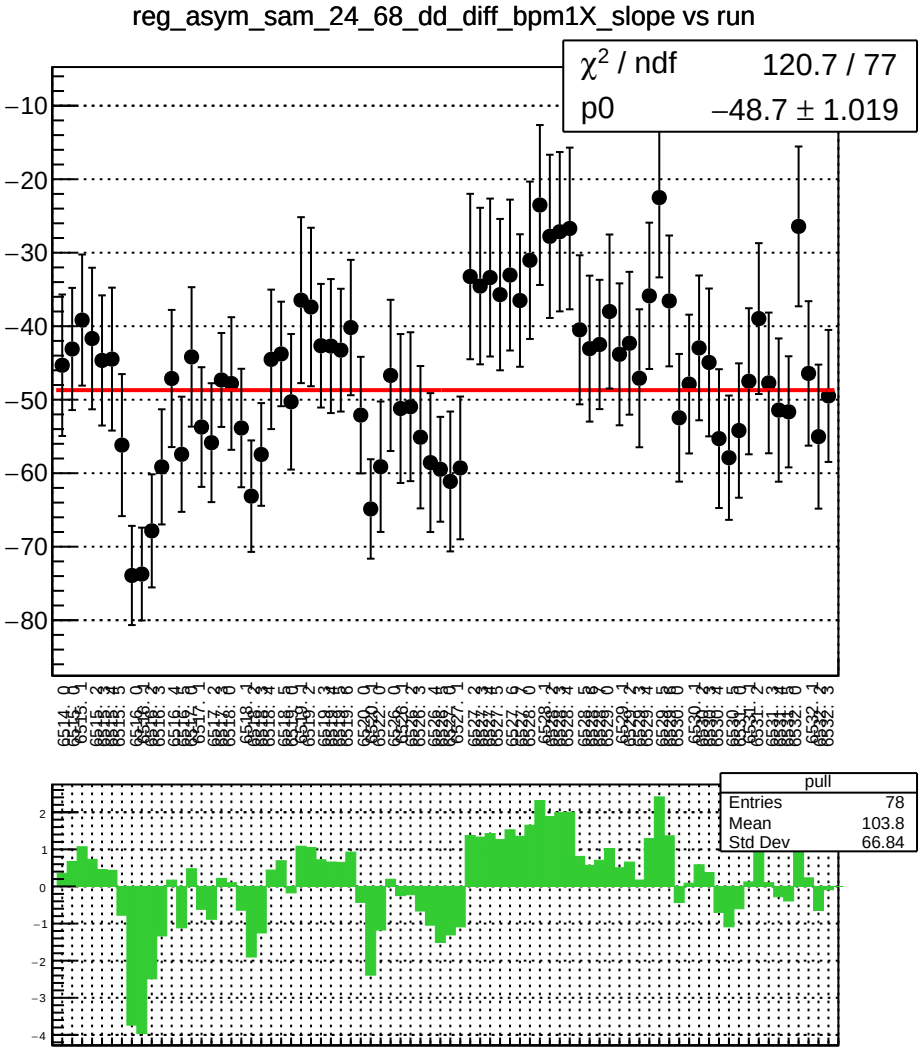

pull1D
Entries 78
Mean 0.1183
Std Dev 1.035

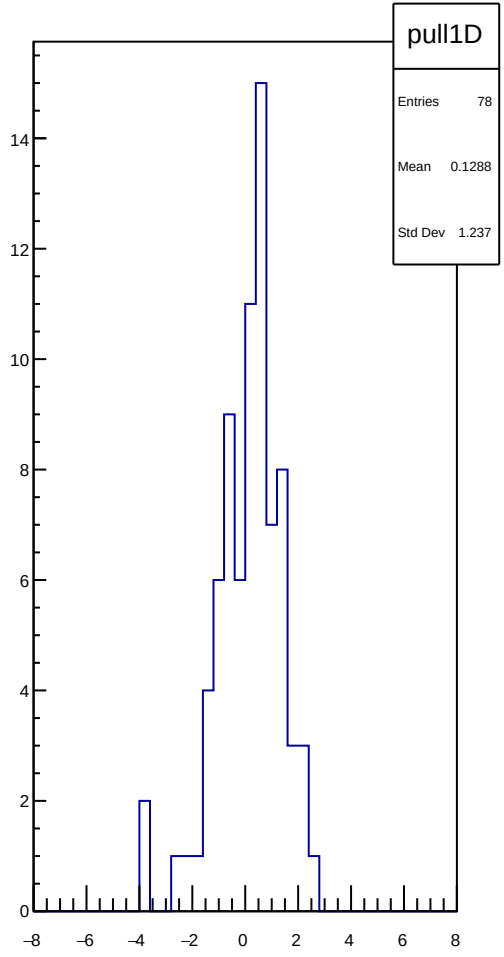

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 45.3 / 77
p0 26.14 ± 0.4212
pull
Entries 78
Mean 1.598
Std Dev 57.72

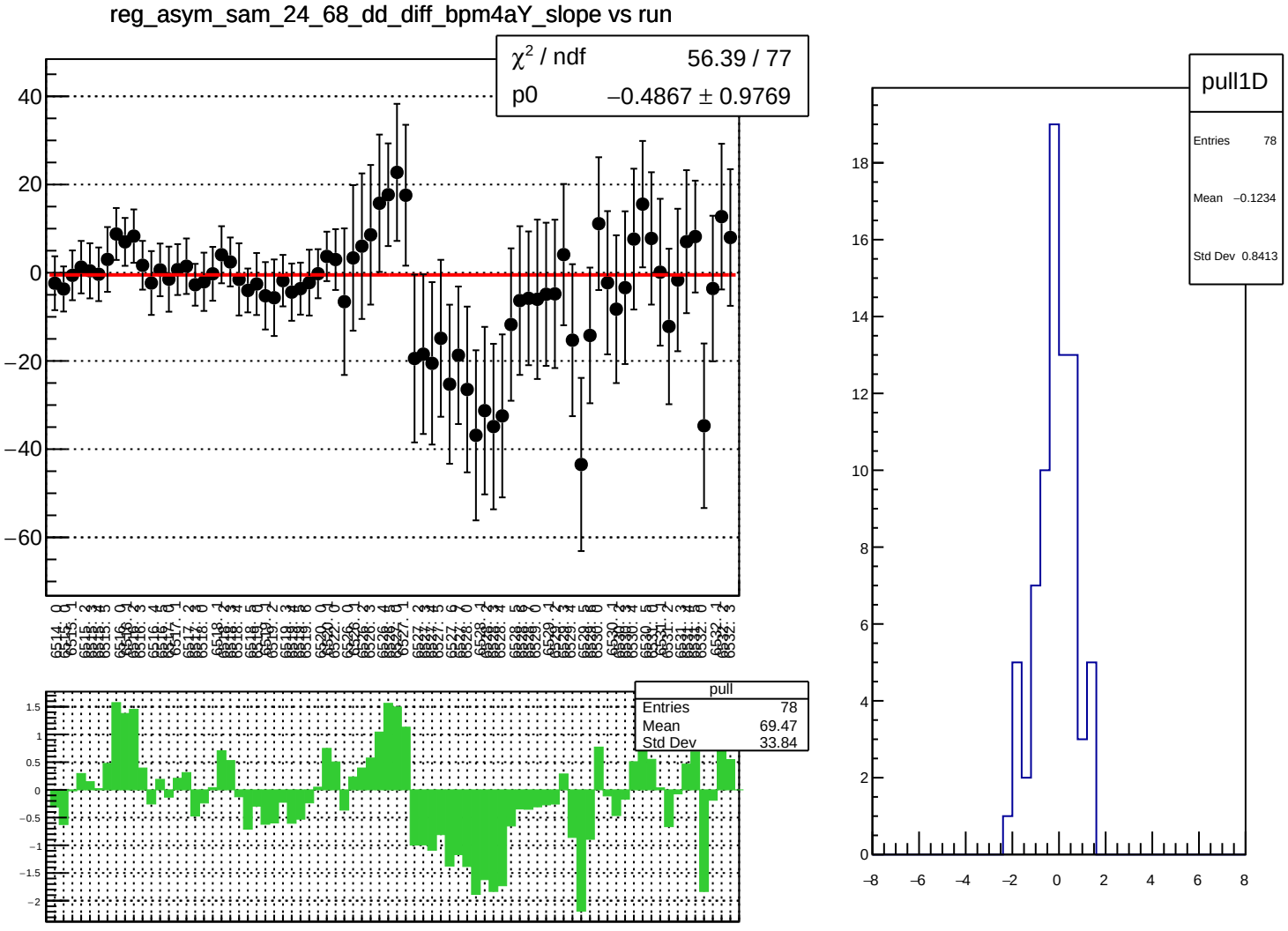

pull1D
Entries 78
Mean −0.03491
Std Dev 0.7613

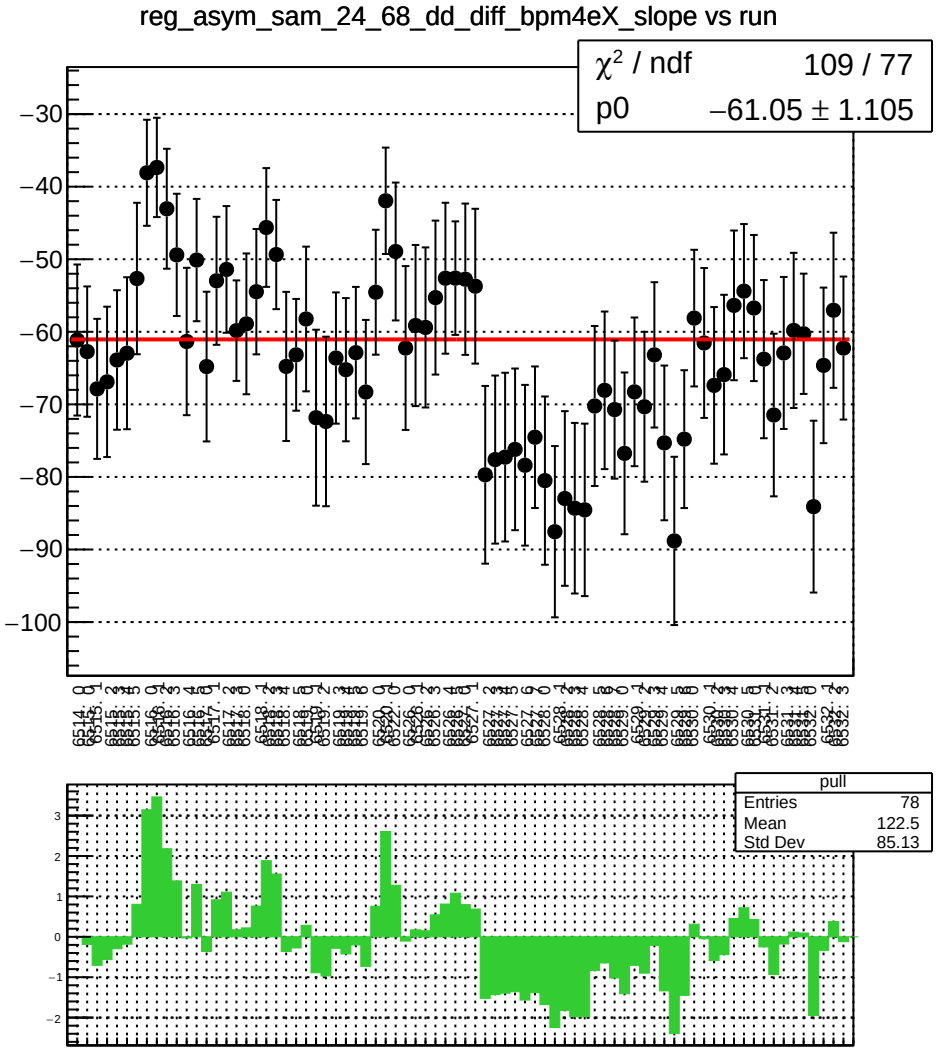

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.96 / 77
p0 −0.1035 ± 0.01645
pull
Entries 78
Mean 257.2
Std Dev 206.2

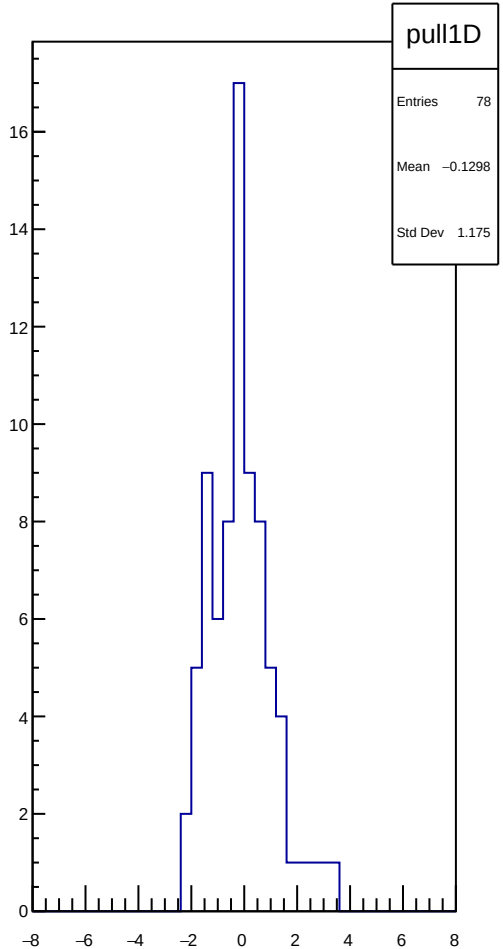

pull1D
Entries 78
Mean 0.009663
Std Dev 0.3572

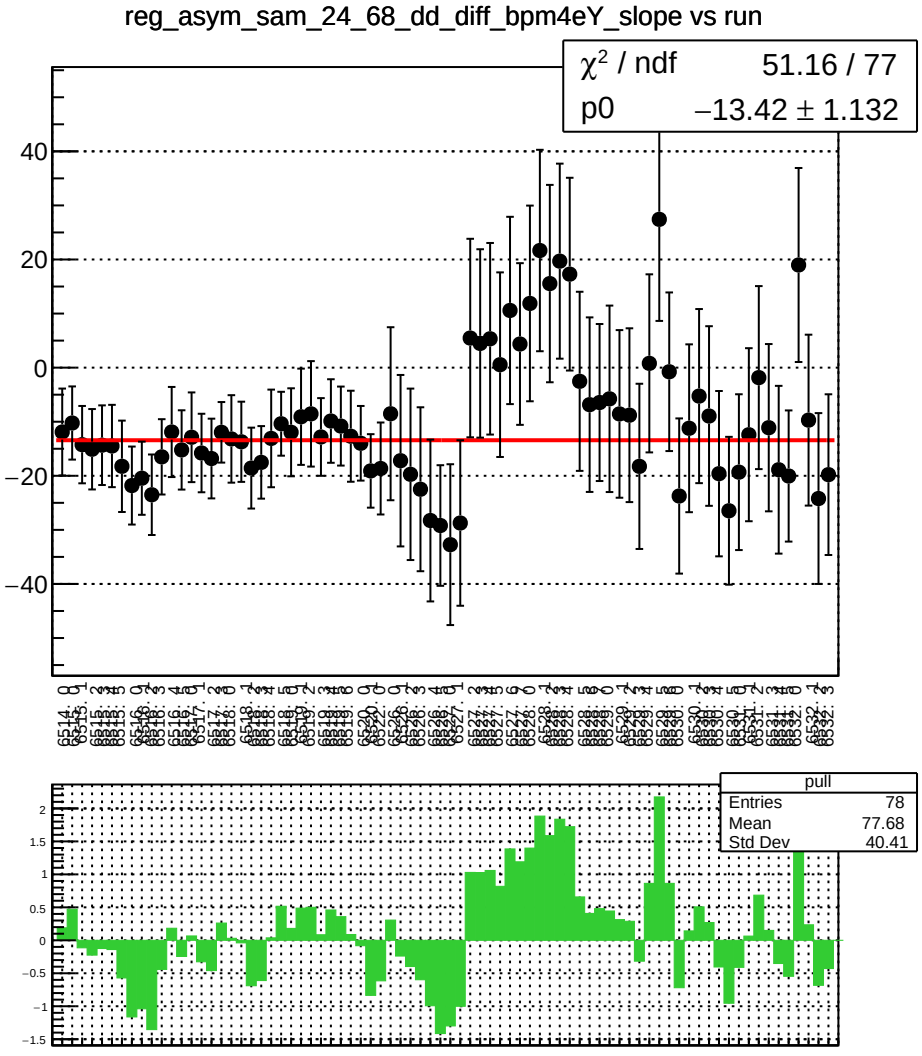

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 120.7 / 77
p0 −48.7 ± 1.019
pull
Entries 78
Mean 103.8
Std Dev 66.84

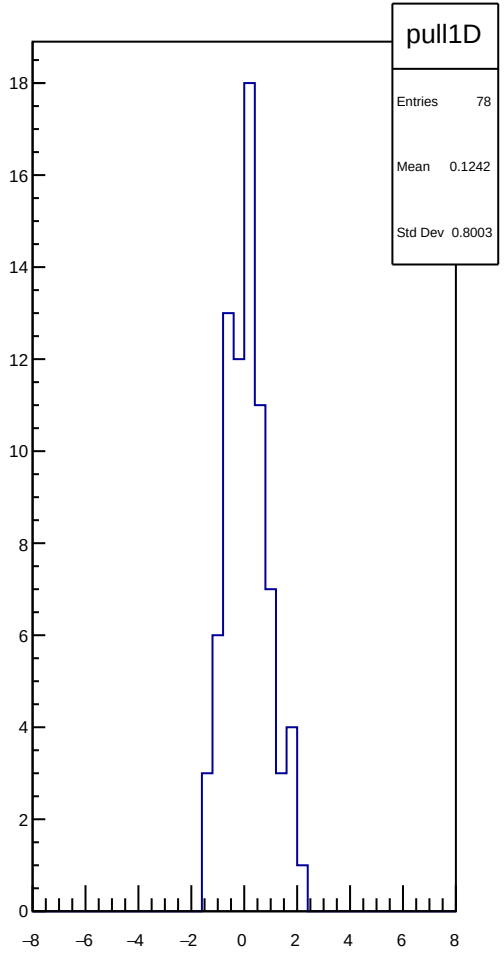

pull1D
Entries 78
Mean 0.1288
Std Dev 1.237

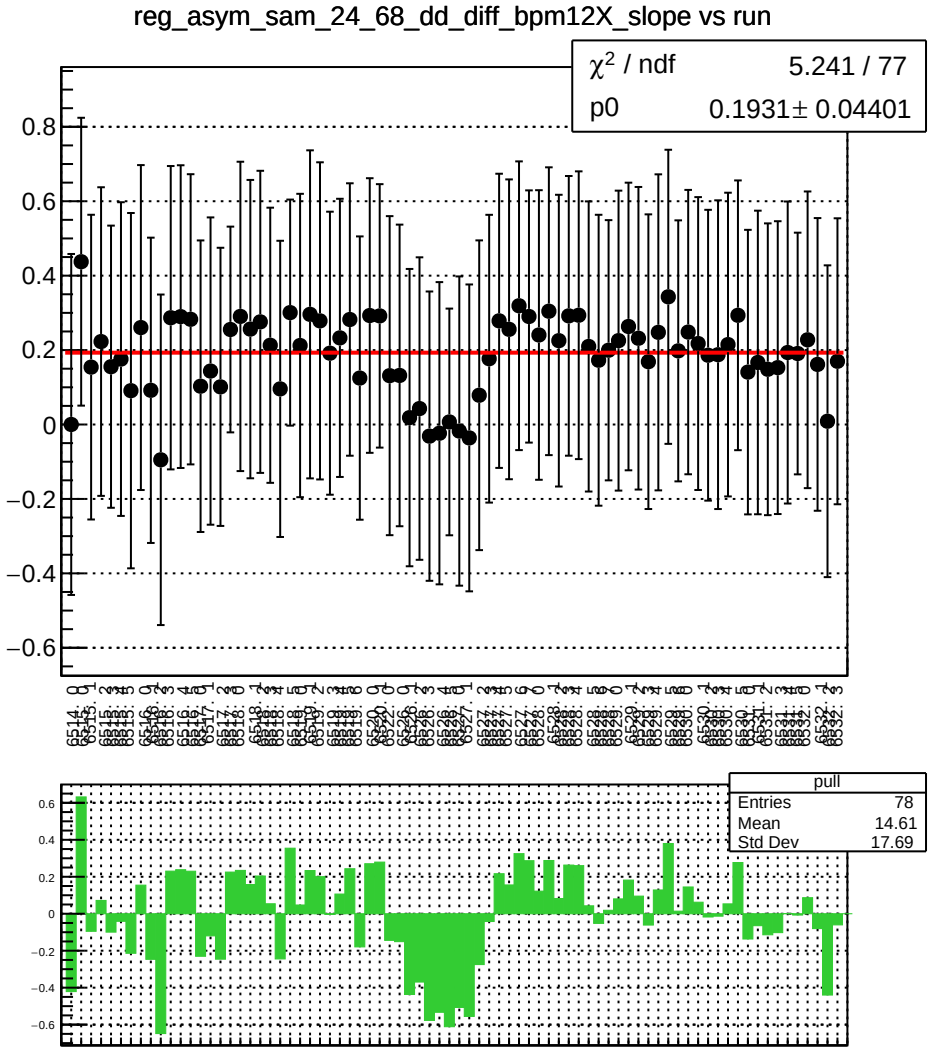

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.39 / 77
p0 −0.4867 ± 0.9769
pull
Entries 78
Mean 69.47
Std Dev 33.84
pull1D
Entries 78
Mean −0.1234
Std Dev 0.8413

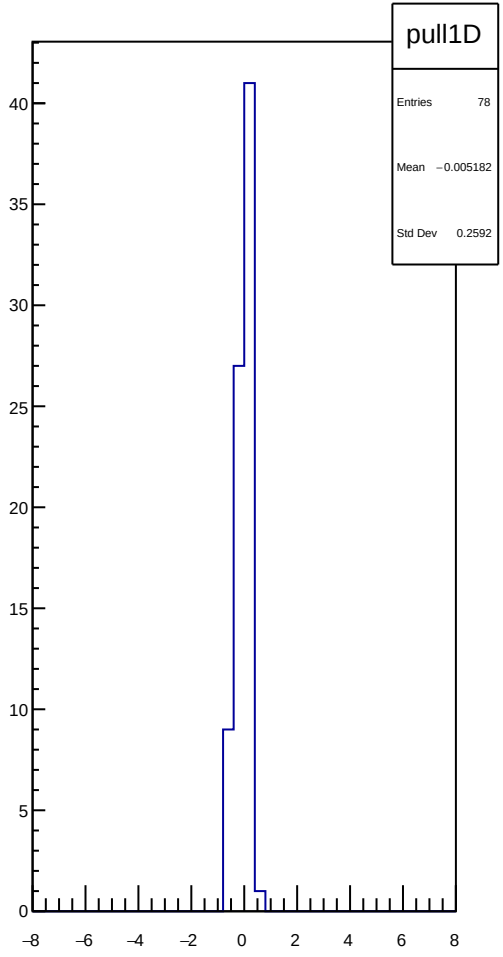

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 109 / 77
p0 −61.05 ± 1.105
pull
Entries 78
Mean 122.5
Std Dev 85.13

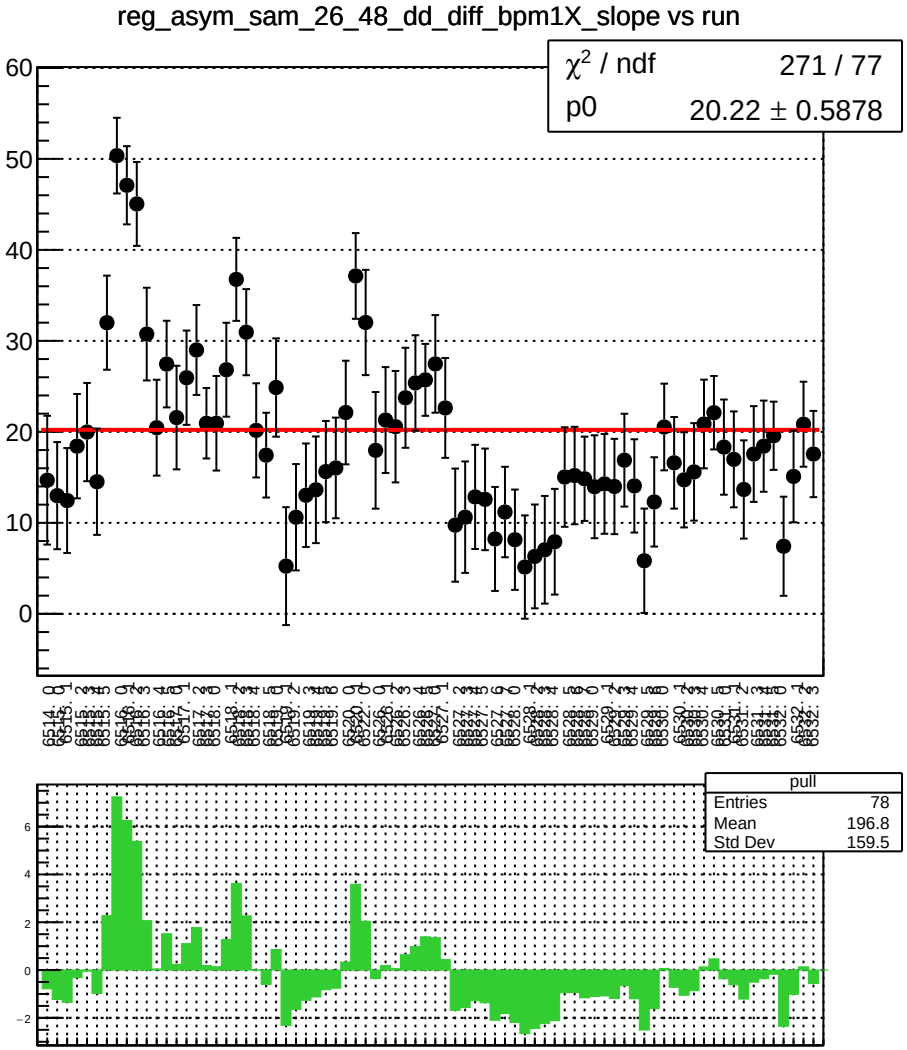

pull1D
Entries 78
Mean −0.1298
Std Dev 1.175

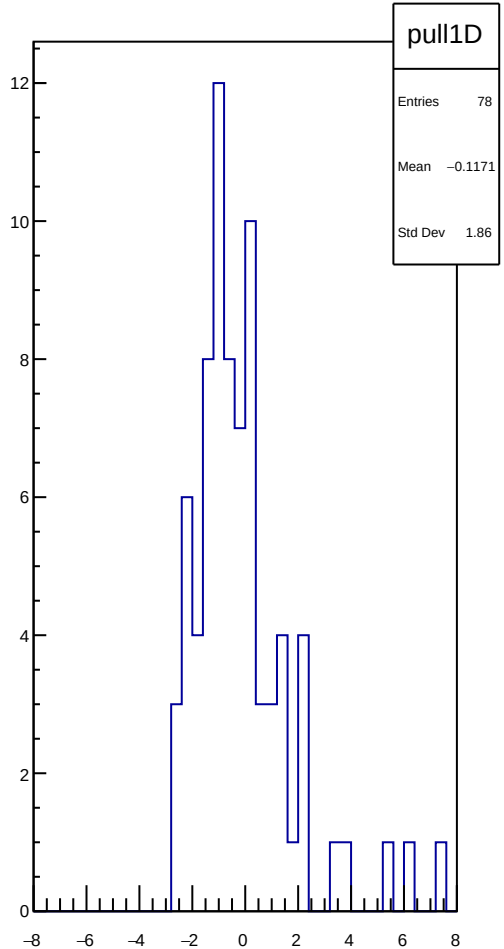

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.16 / 77
p0 −13.42 ± 1.132
pull
Entries 78
Mean 77.68
Std Dev 40.41


pull1D
Entries 78
Mean 0.1242
Std Dev 0.8003

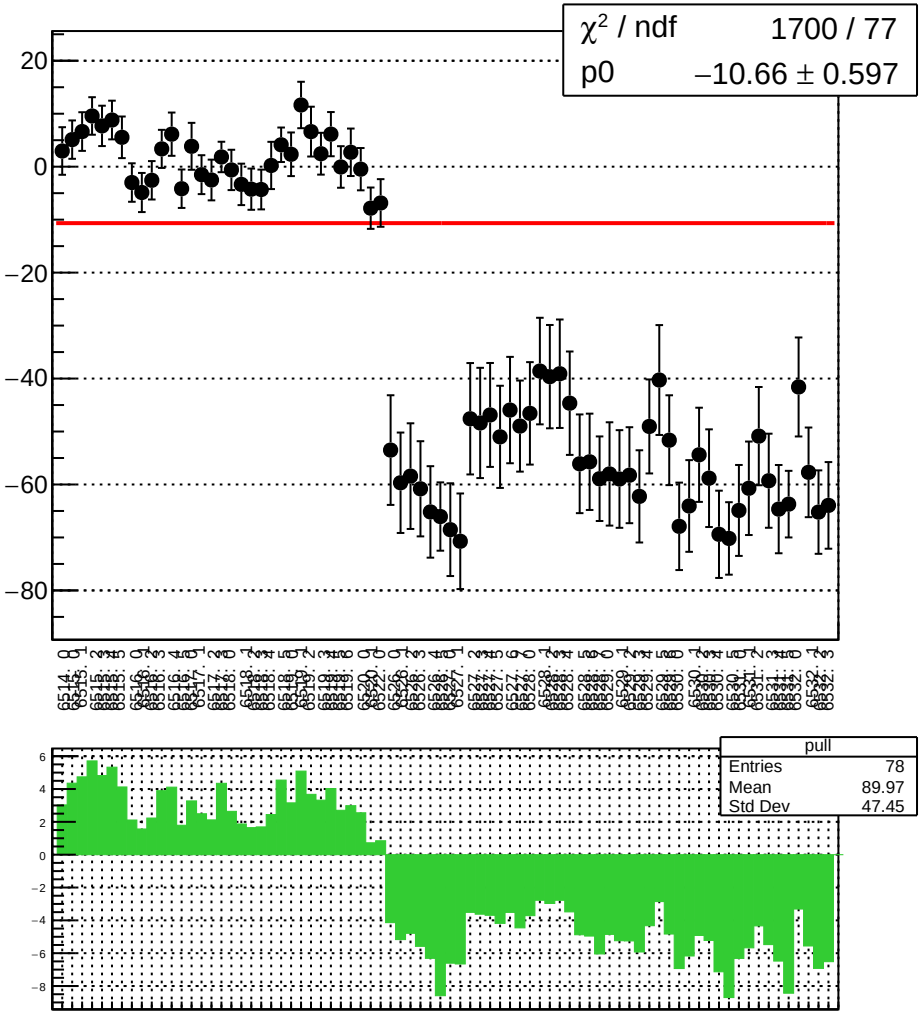

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 5.241 / 77
p0 0.1931± 0.04401
pull
Entries 78
Mean 14.61
Std Dev 17.69

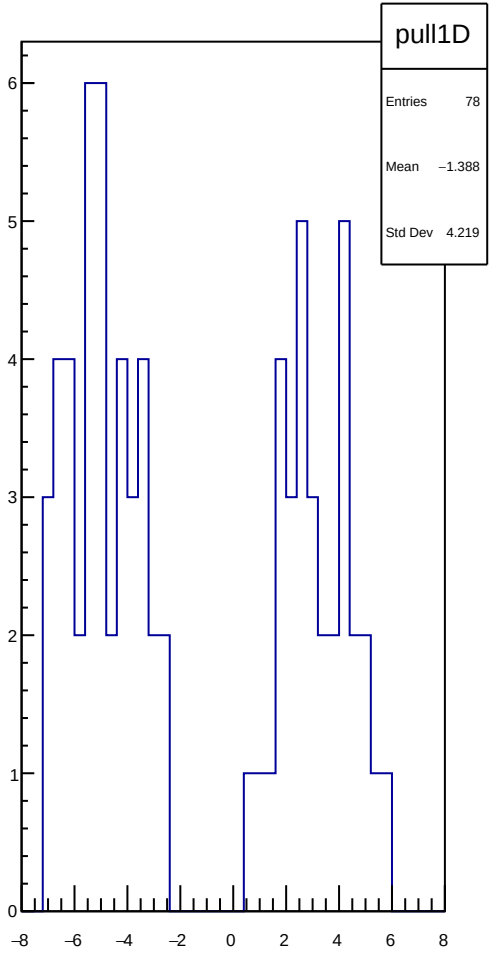

pull1D
Entries 78
Mean −0.005182
Std Dev 0.2592

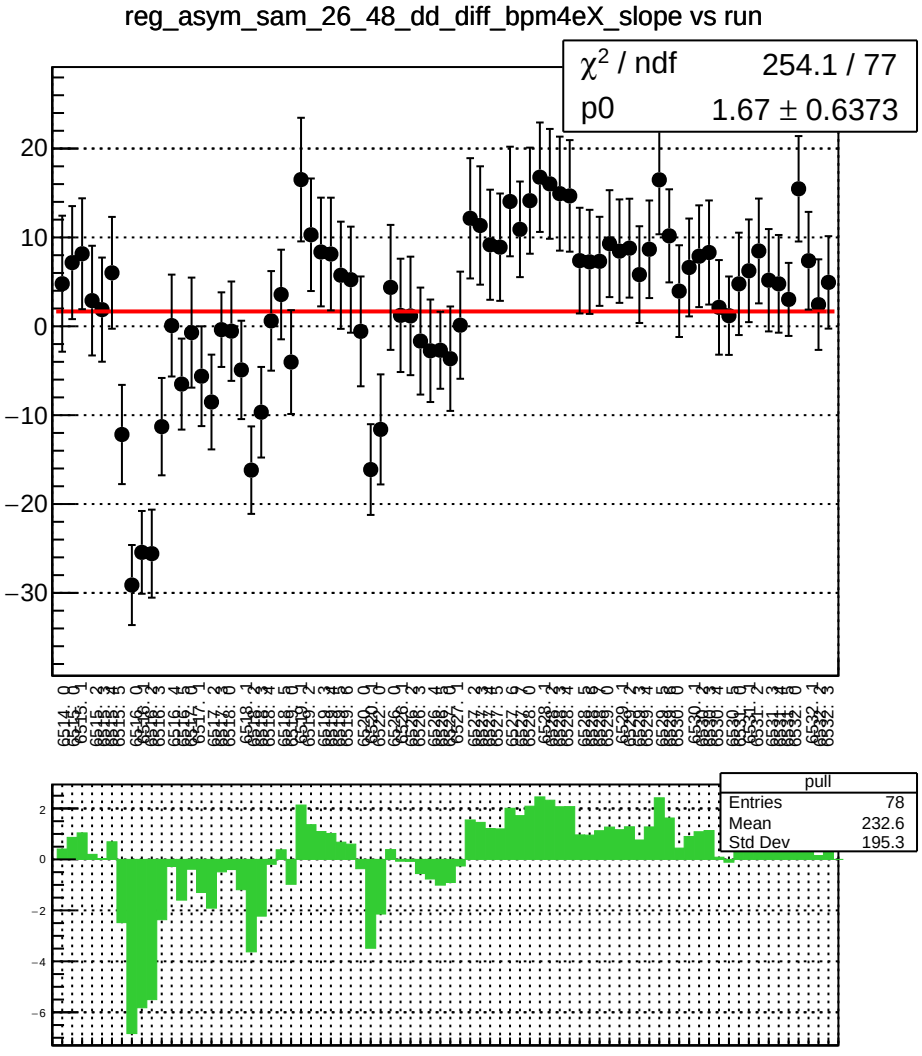

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 271 / 77
p0 20.22 ± 0.5878
pull
Entries 78
Mean 196.8
Std Dev 159.5

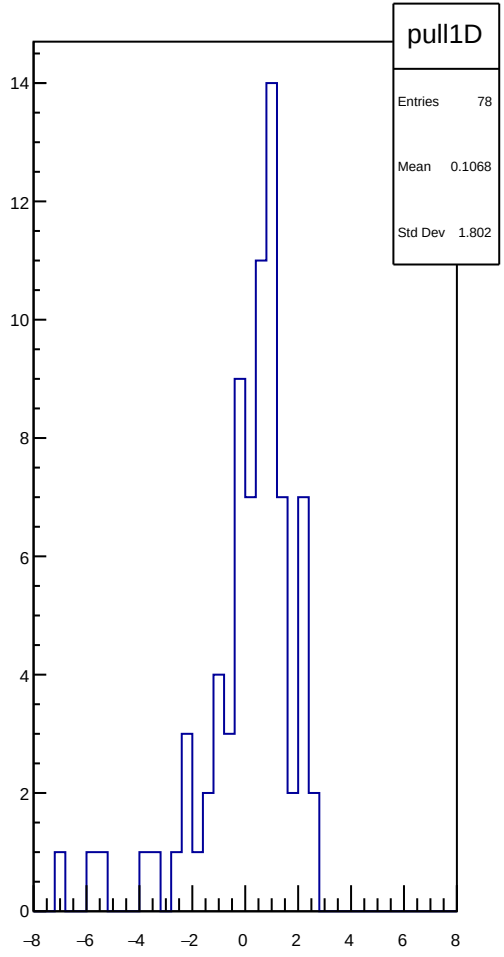

pull1D
Entries 78
Mean −0.1171
Std Dev 1.86

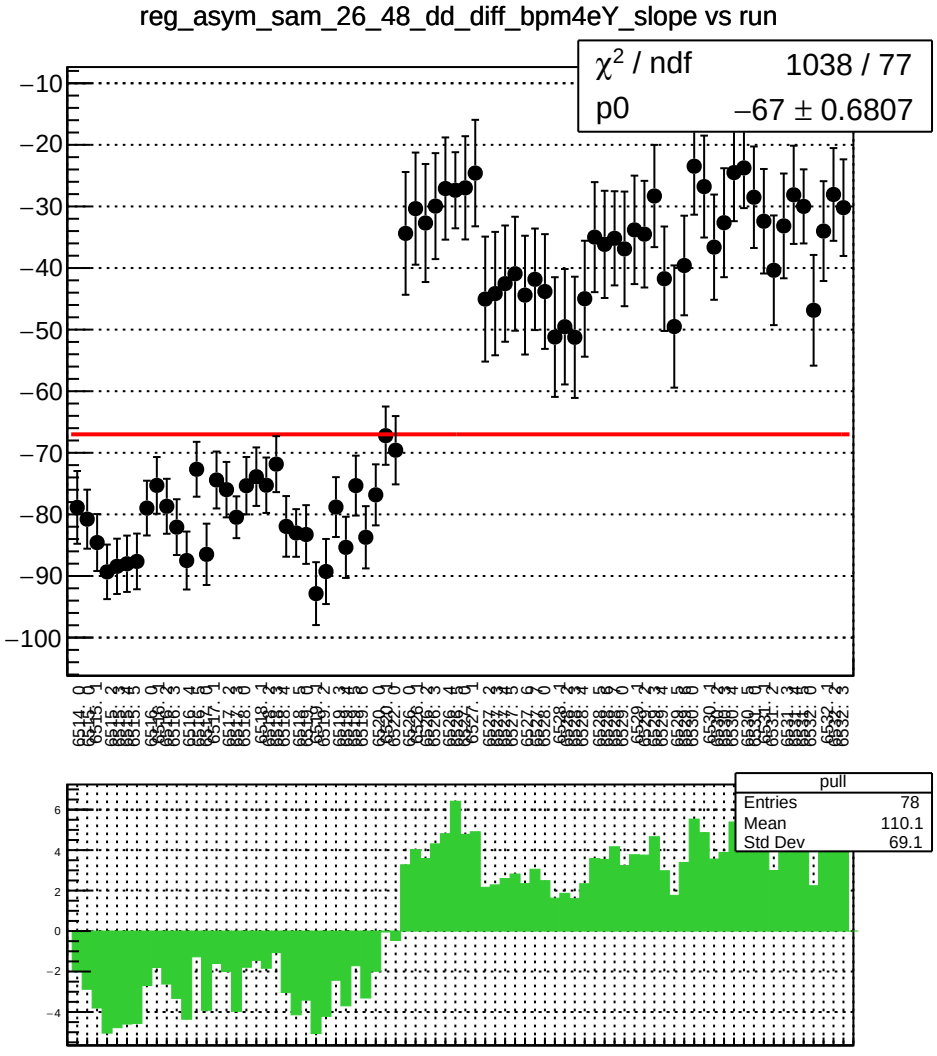
reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run

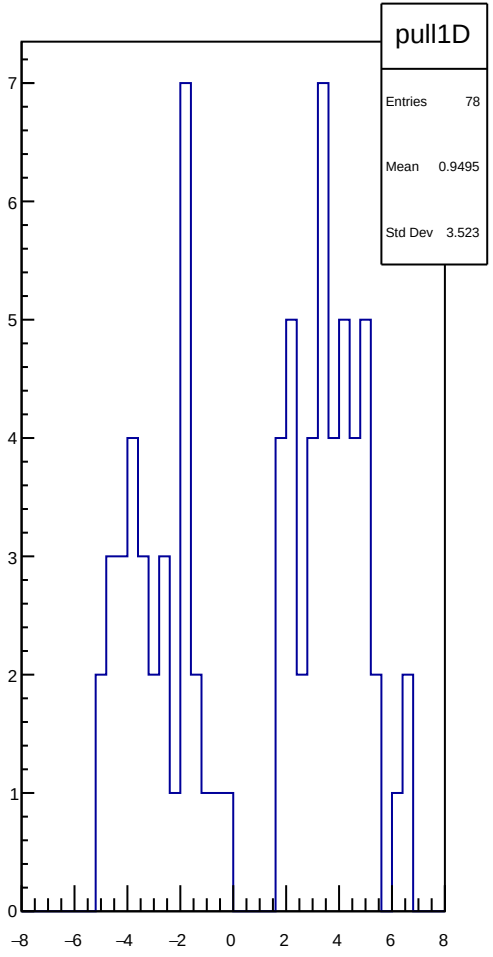


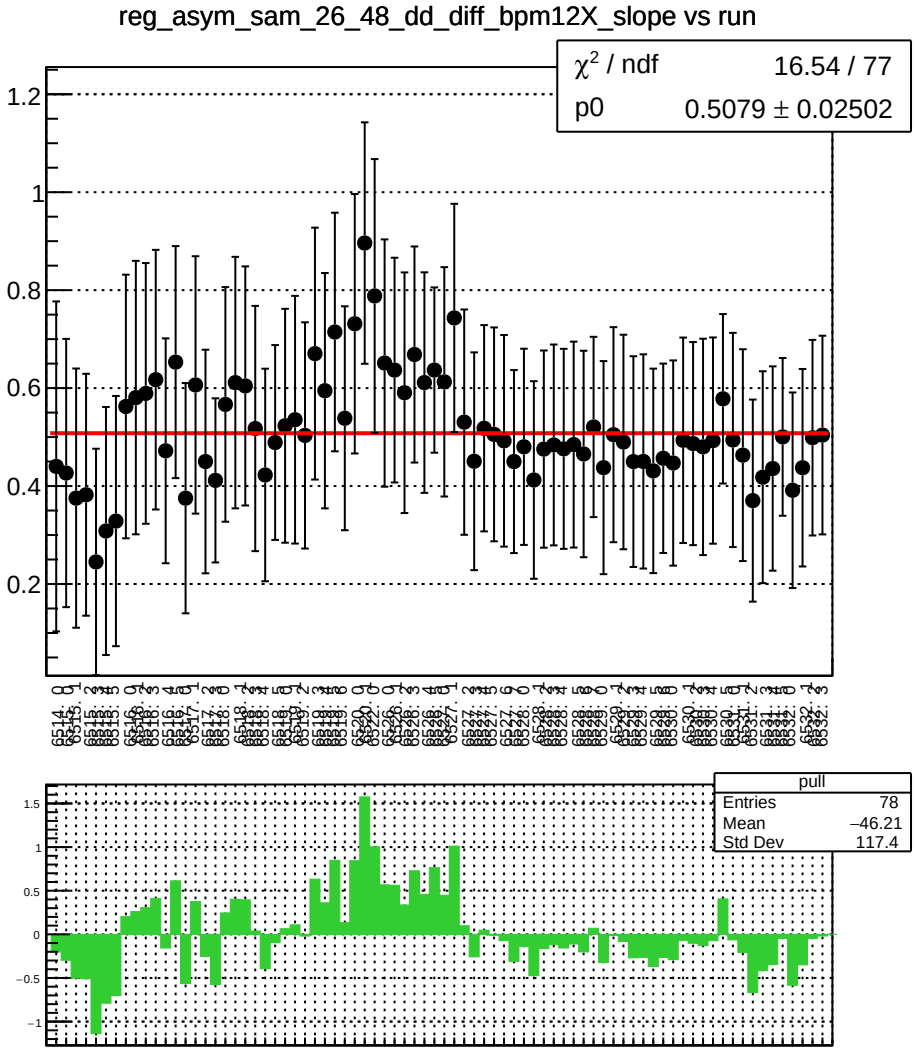


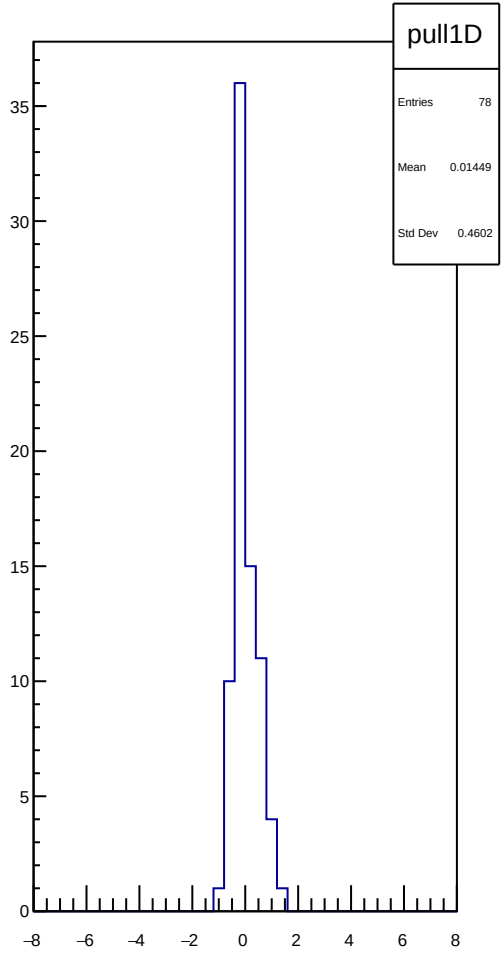

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 254.1 / 77
p0 1.67 ± 0.6373
pull
Entries 78
Mean 232.6
Std Dev 195.3

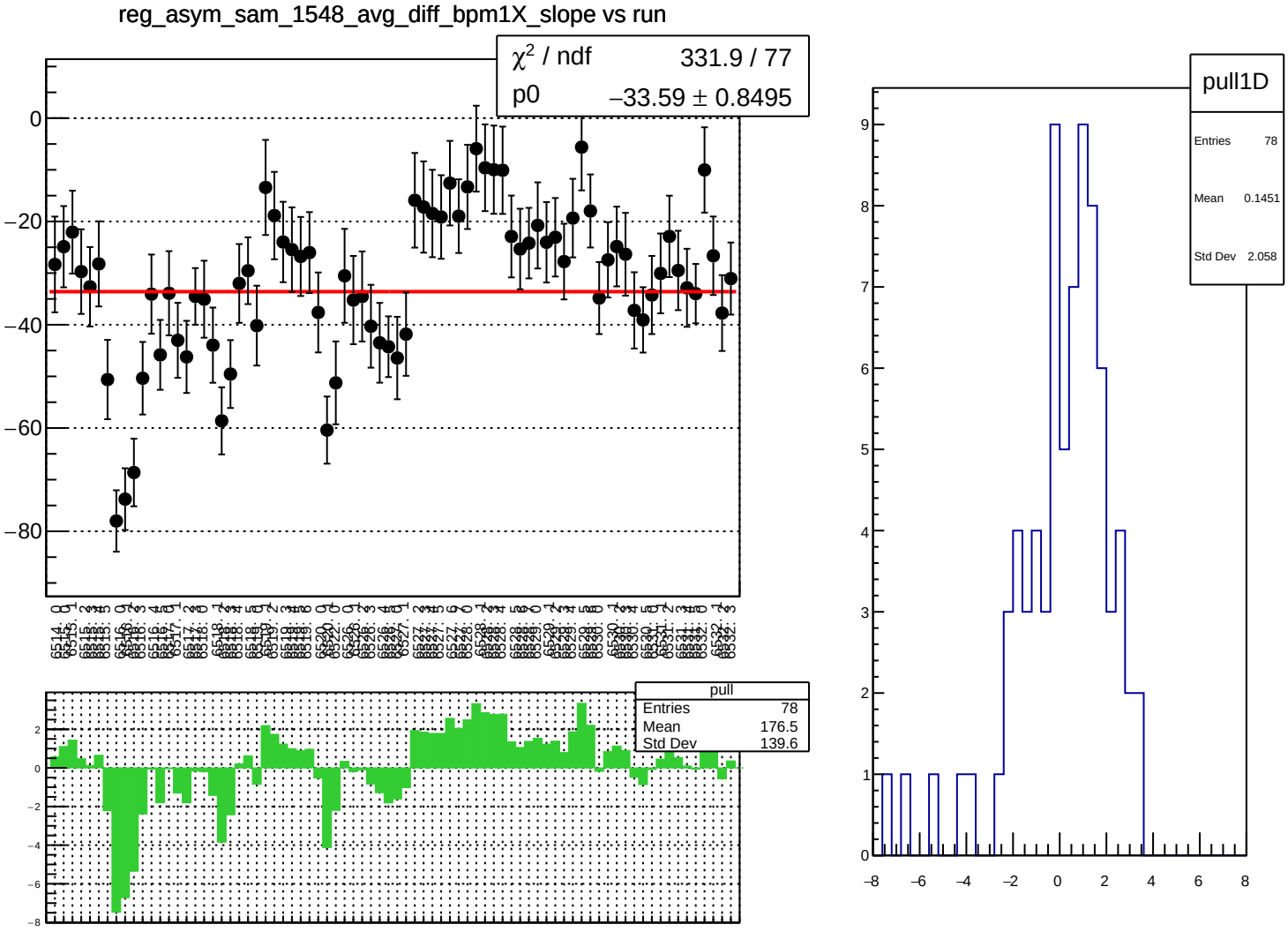

pull1D
Entries 78
Mean 0.1068
Std Dev 1.802

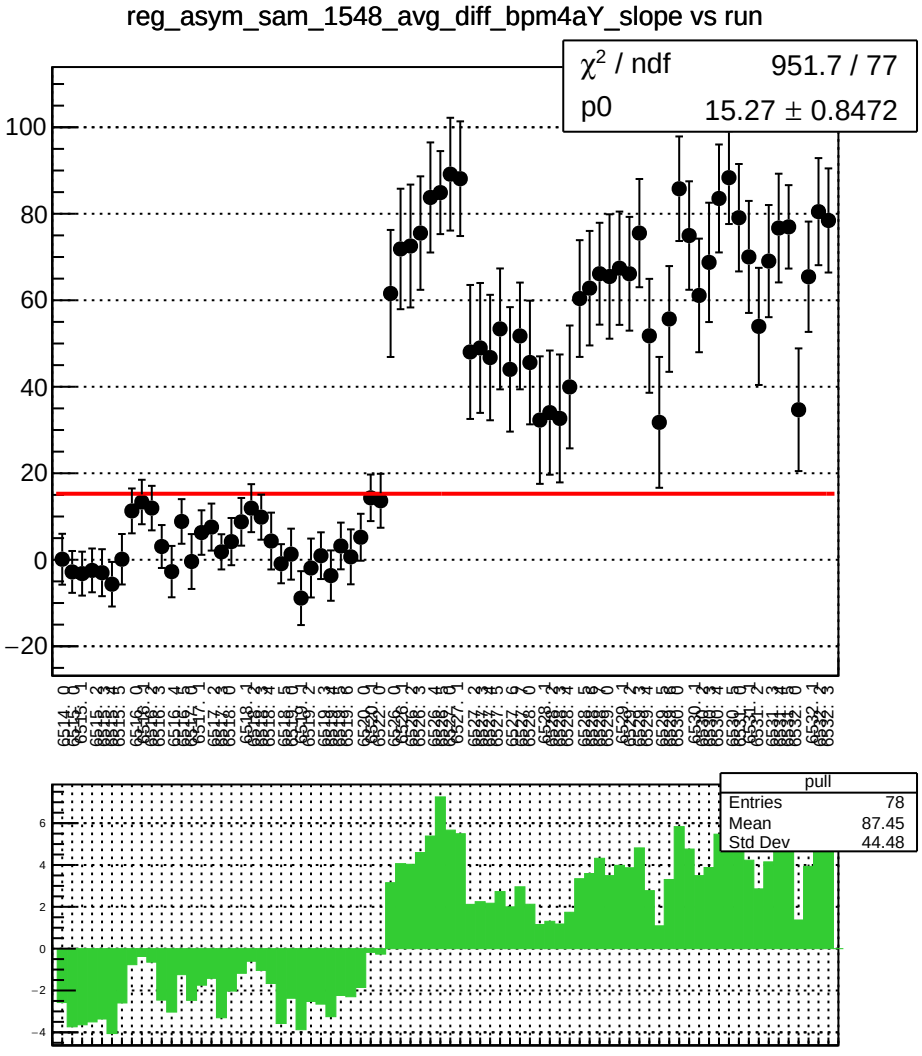

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1038 / 77
p0 −67 ± 0.6807
pull
Entries 78
Mean 110.1
Std Dev 69.1

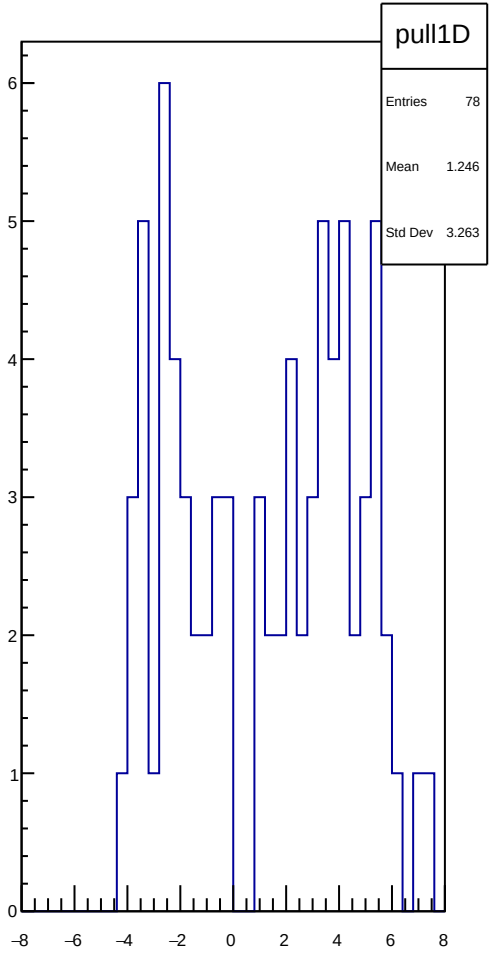

pull1D
Entries 78
Mean 0.9495
Std Dev 3.523

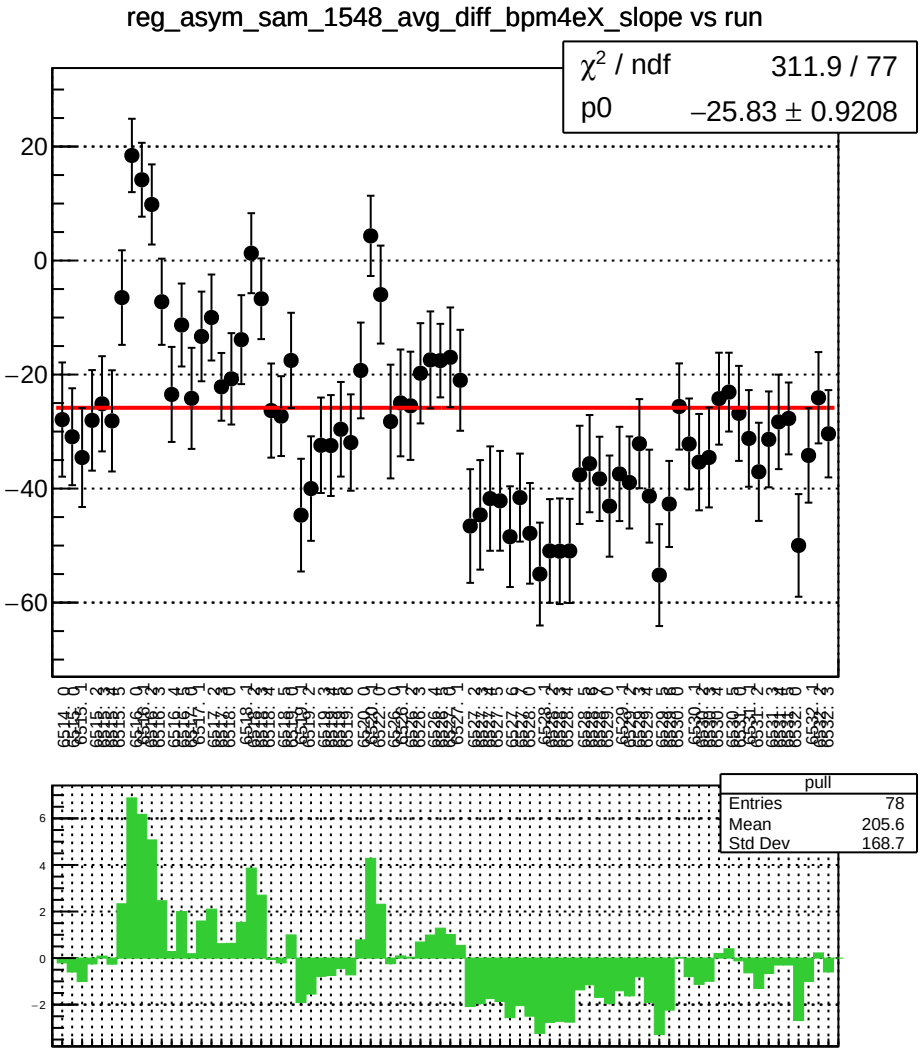

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 16.54 / 77
p0 0.5079 ± 0.02502
pull
Entries 78
Mean −46.21
Std Dev 117.4

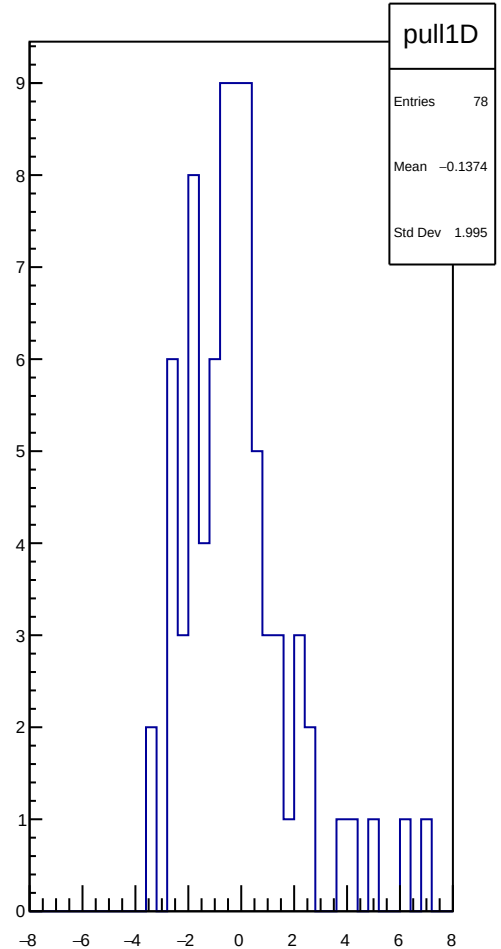

pull1D
Entries 78
Mean 0.01449
Std Dev 0.4602

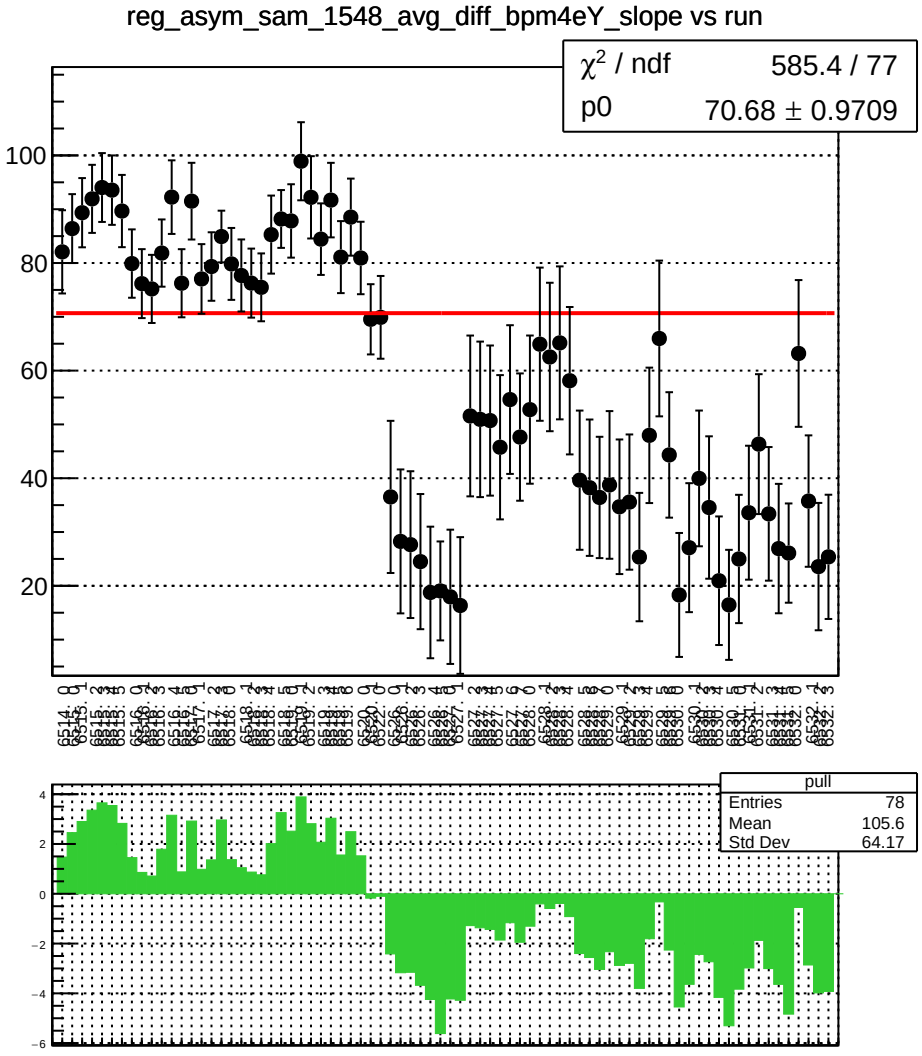

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ^2 / ndf 331.9 / 77
p0 −33.59 ± 0.8495
pull
Entries 78
Mean 176.5
Std Dev 139.6
pull1D
Entries 78
Mean 0.1451
Std Dev 2.058

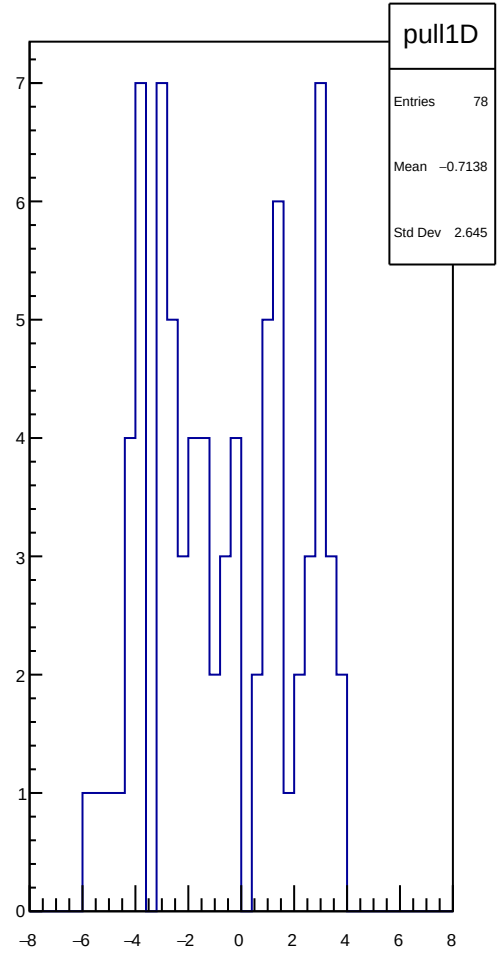

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 951.7 / 77
p0 15.27 ± 0.8472
pull
Entries 78
Mean 87.45
Std Dev 44.48

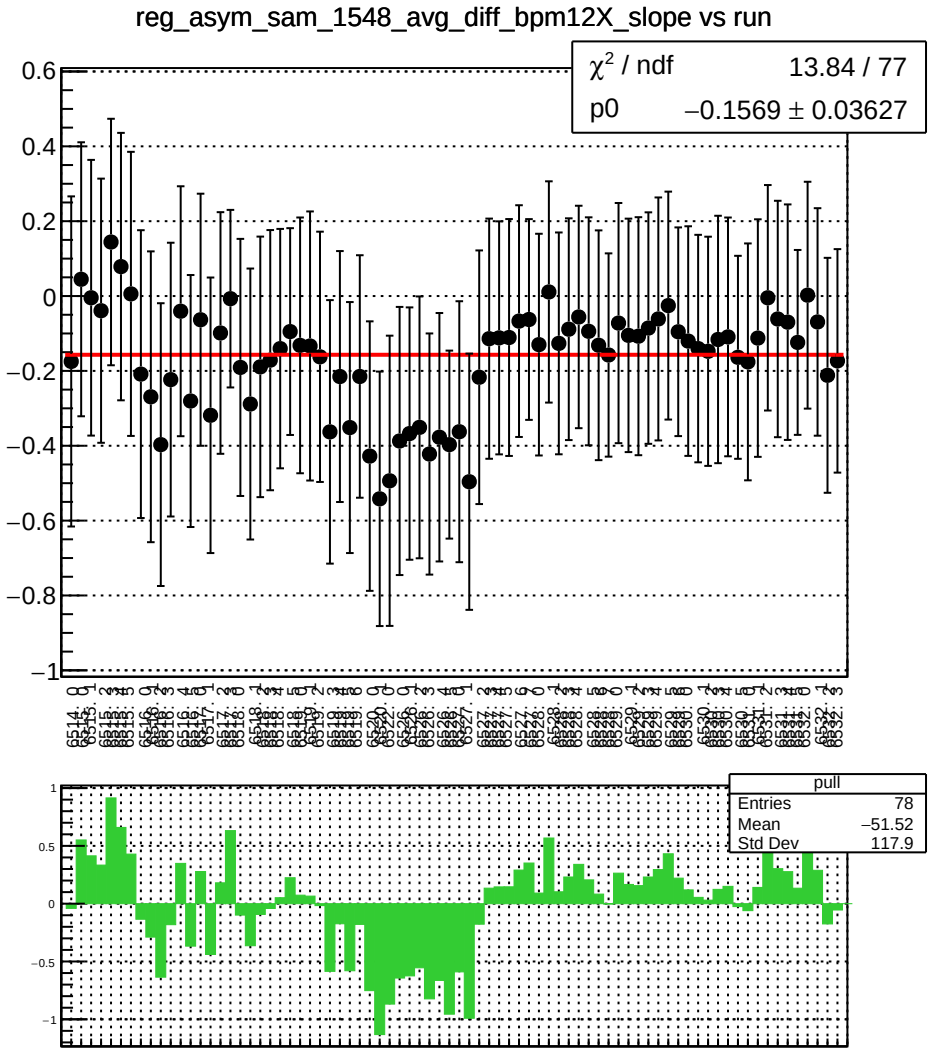

pull1D
Entries 78
Mean 1.246
Std Dev 3.263

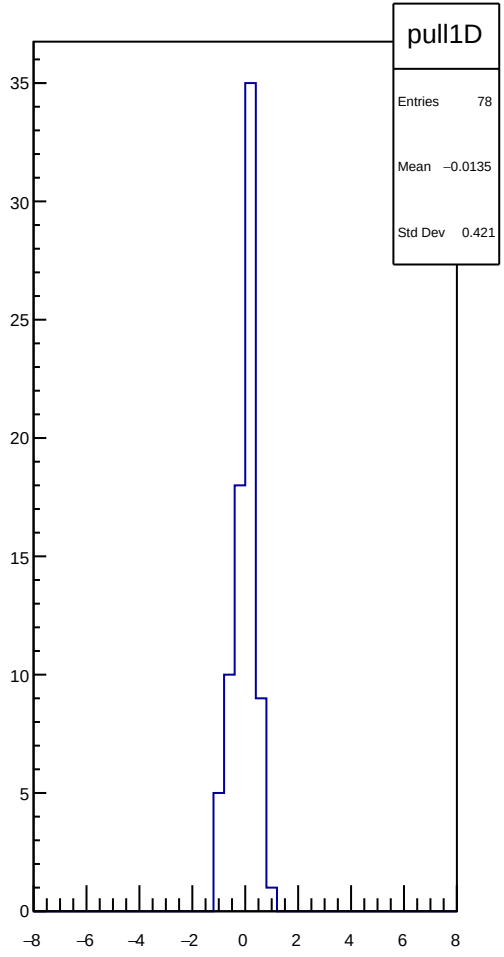

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 311.9 / 77
p0 −25.83 ± 0.9208
pull
Entries 78
Mean 205.6
Std Dev 168.7

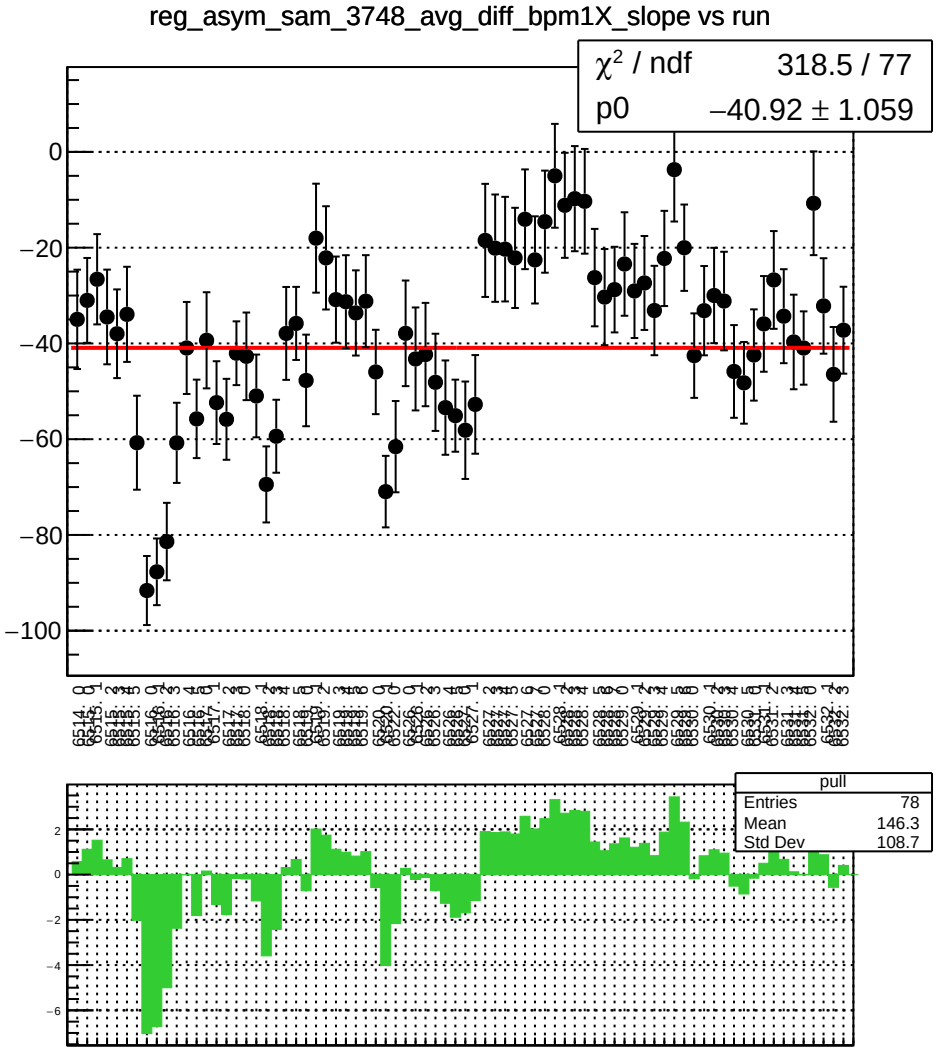

pull1D
Entries 78
Mean −0.1374
Std Dev 1.995

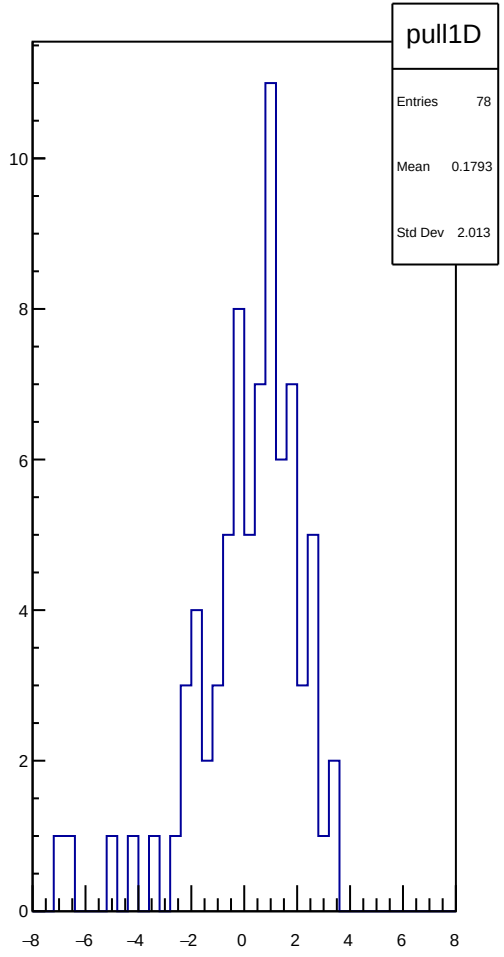

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 585.4 / 77
p0 70.68 ± 0.9709
pull
Entries 78
Mean 105.6
Std Dev 64.17

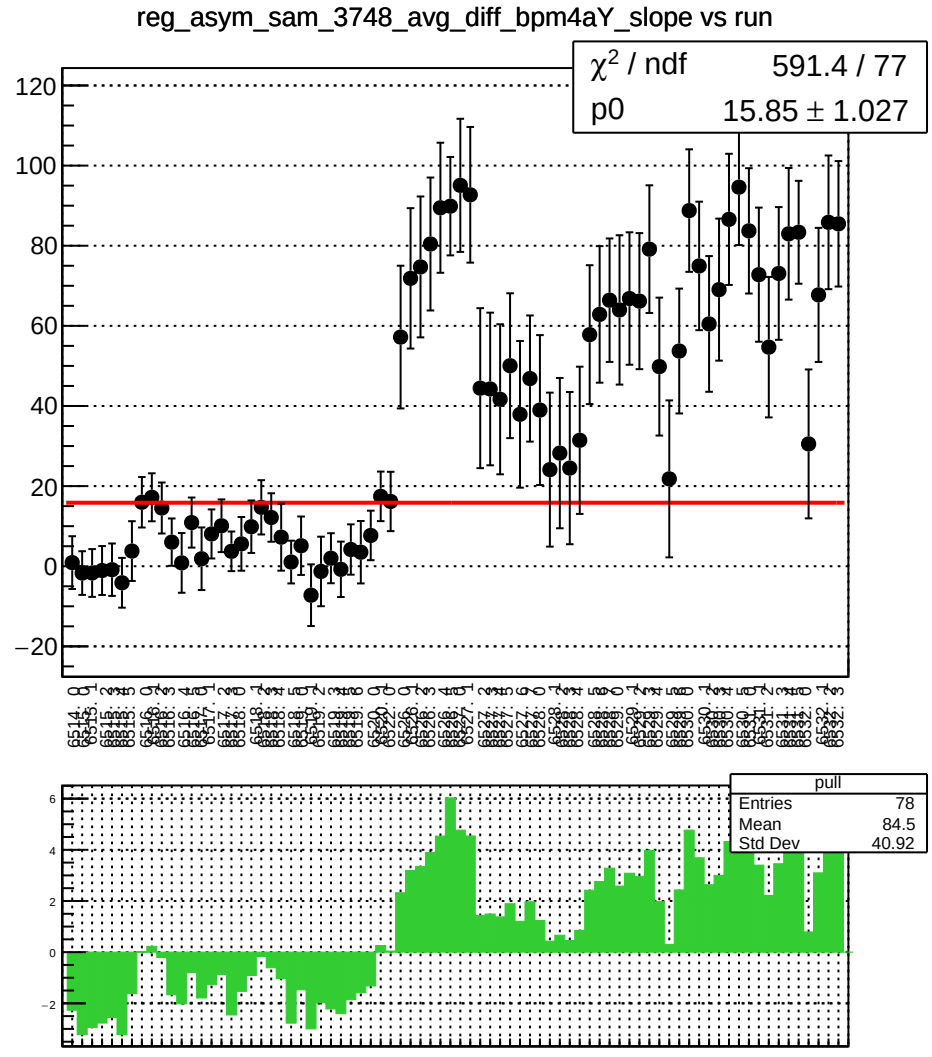

pull1D
Entries 78
Mean −0.7138
Std Dev 2.645

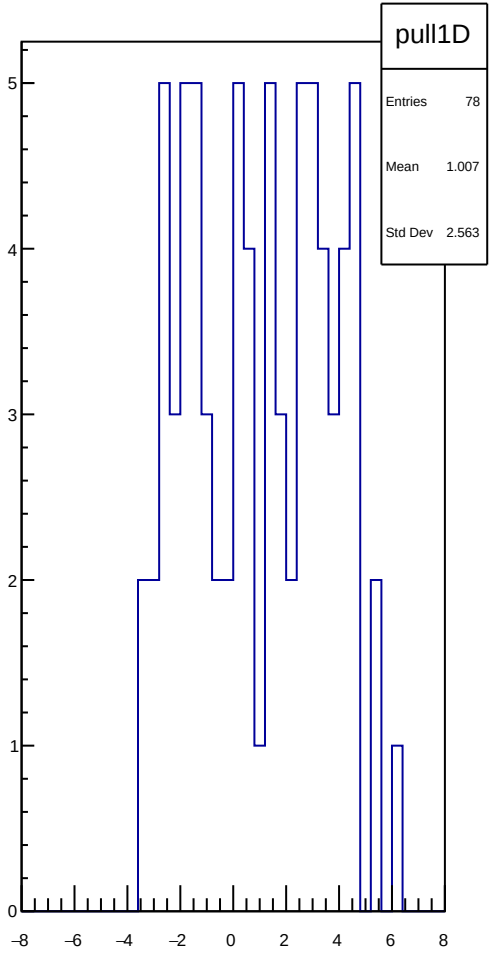

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 13.84 / 77
p0 −0.1569 ± 0.03627
pull
Entries 78
Mean −51.52
Std Dev 117.9

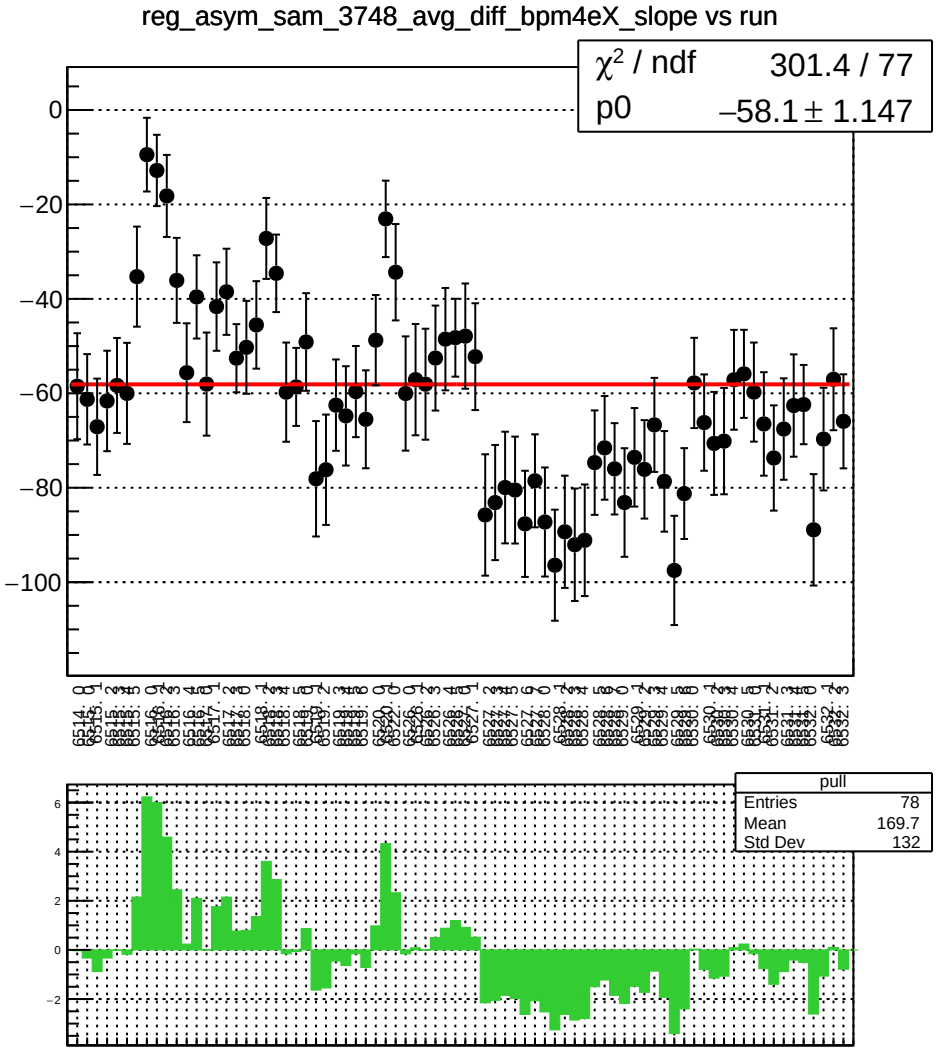

pull1D
Entries 78
Mean −0.0135
Std Dev 0.421

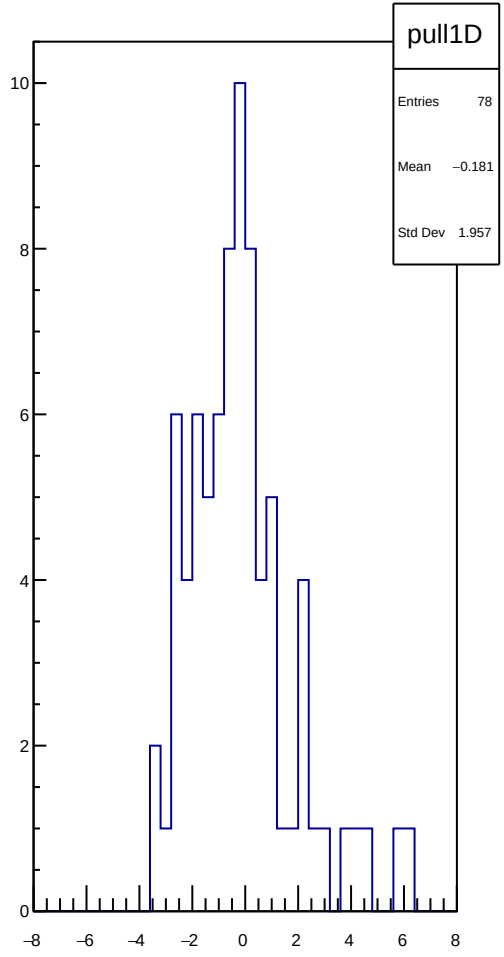

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 318.5 / 77
p0 −40.92 ± 1.059
pull
Entries 78
Mean 146.3
Std Dev 108.7

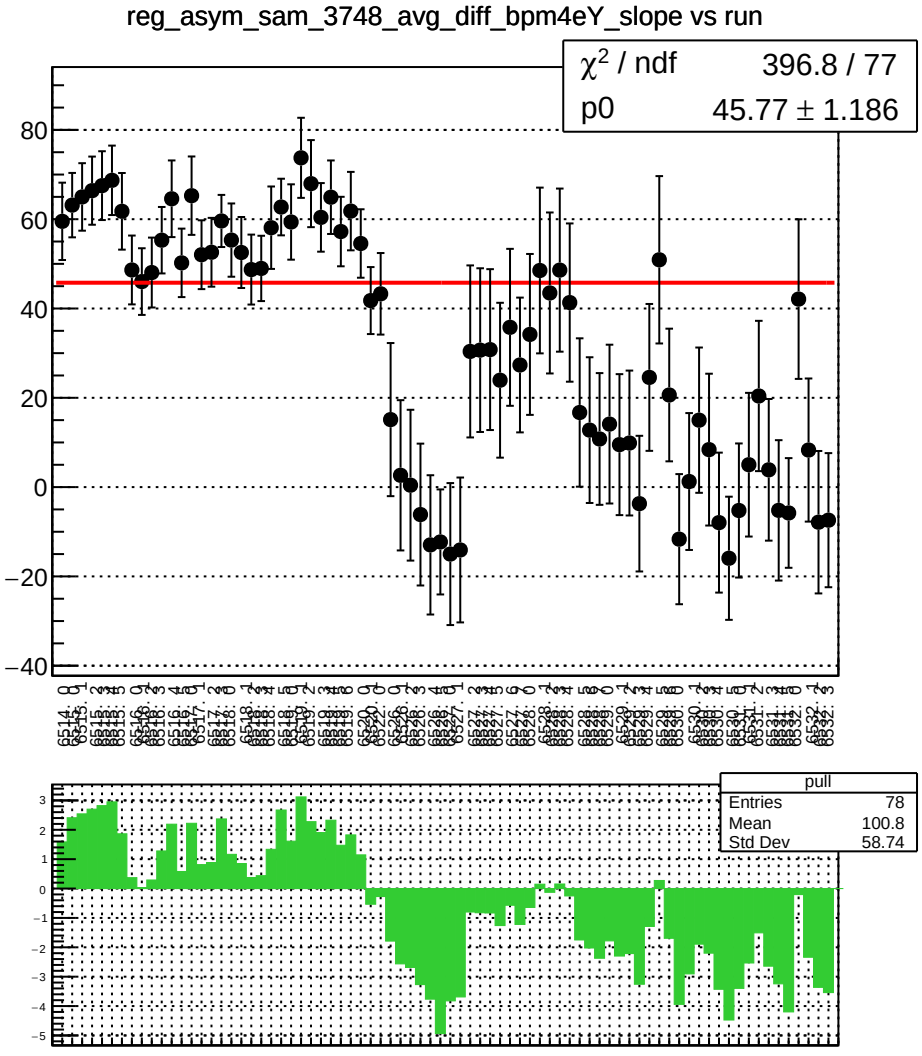

pull1D
Entries 78
Mean 0.1793
Std Dev 2.013

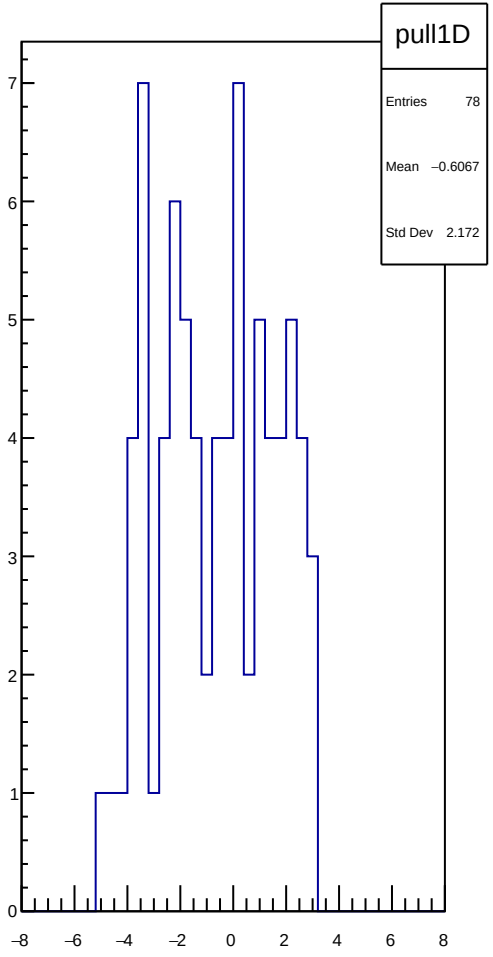

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 591.4 / 77
p0 15.85 ± 1.027
pull
Entries 78
Mean 84.5
Std Dev 40.92

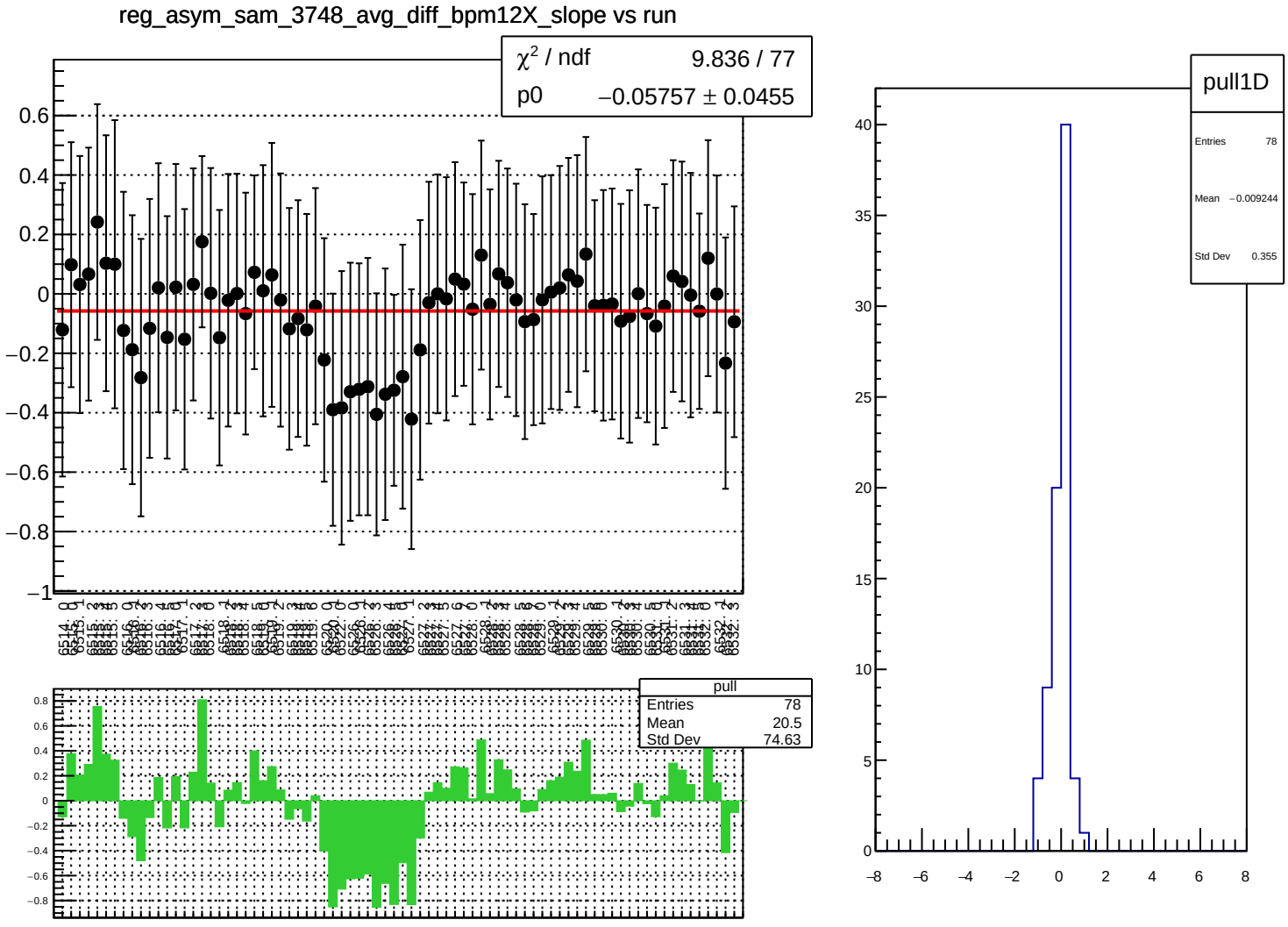

pull1D
Entries 78
Mean 1.007
Std Dev 2.563

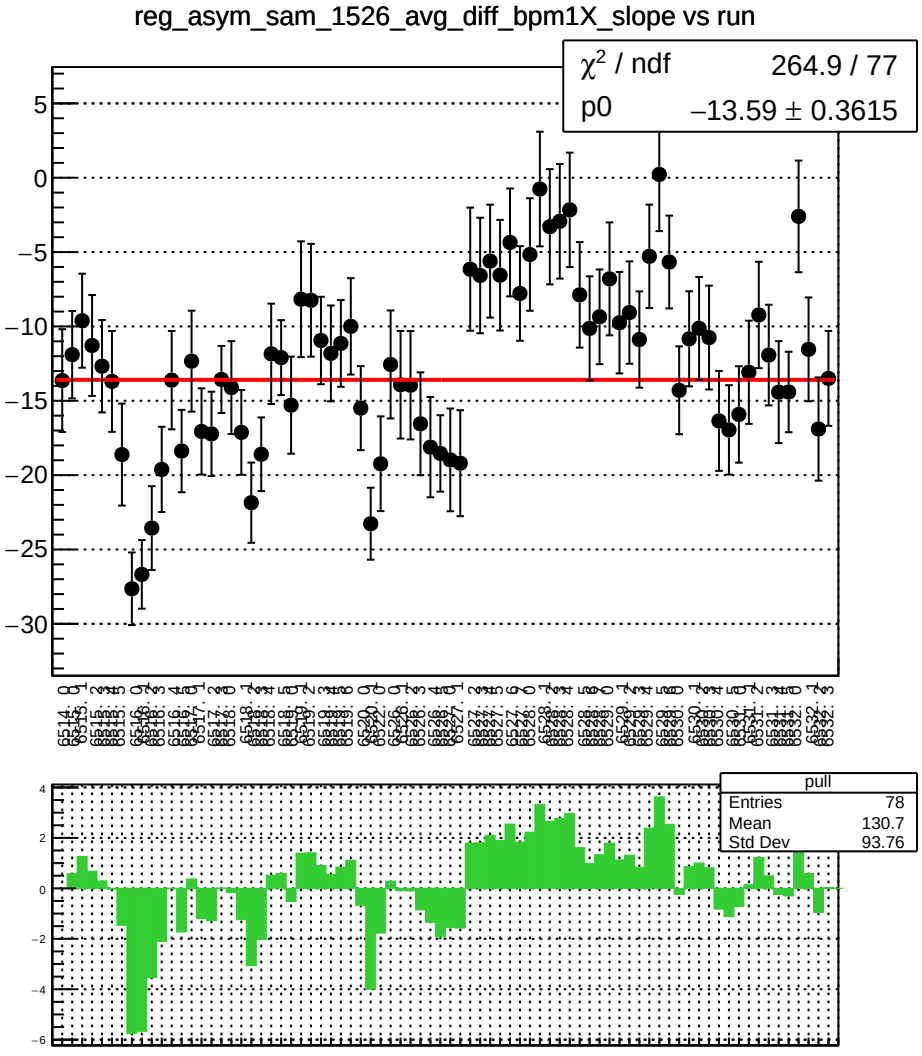

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 301.4 / 77
p0 −58.1 ± 1.147
pull
Entries 78
Mean 169.7
Std Dev 132

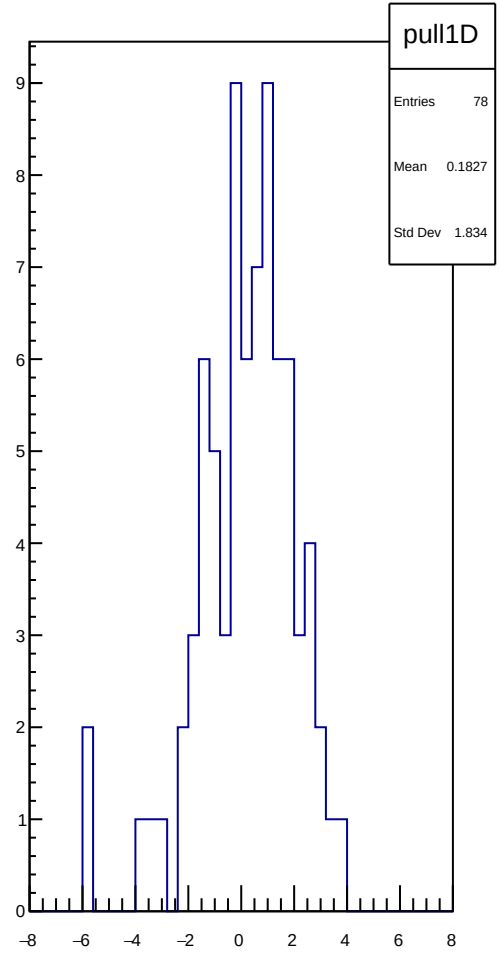

pull1D
Entries 78
Mean −0.181
Std Dev 1.957

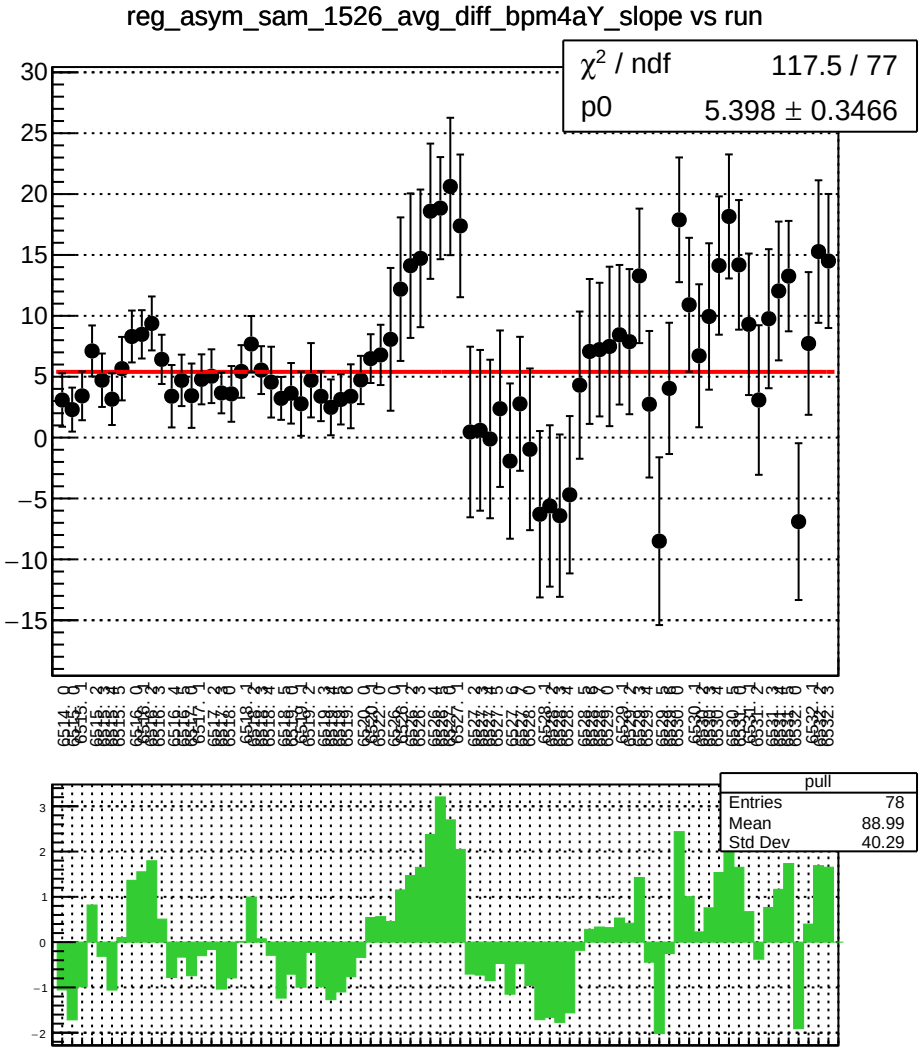

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 396.8 / 77
p0 45.77 ± 1.186
pull
Entries 78
Mean 100.8
Std Dev 58.74

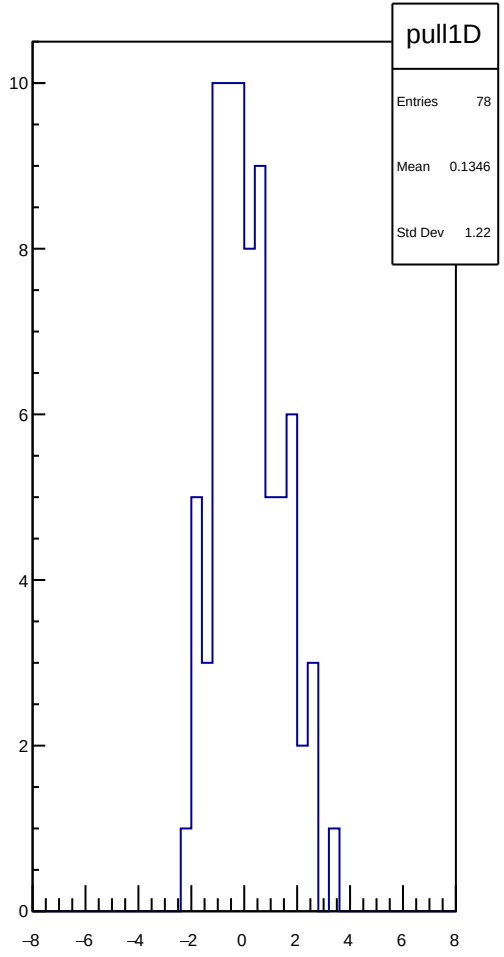

pull1D
Entries 78
Mean −0.6067
Std Dev 2.172

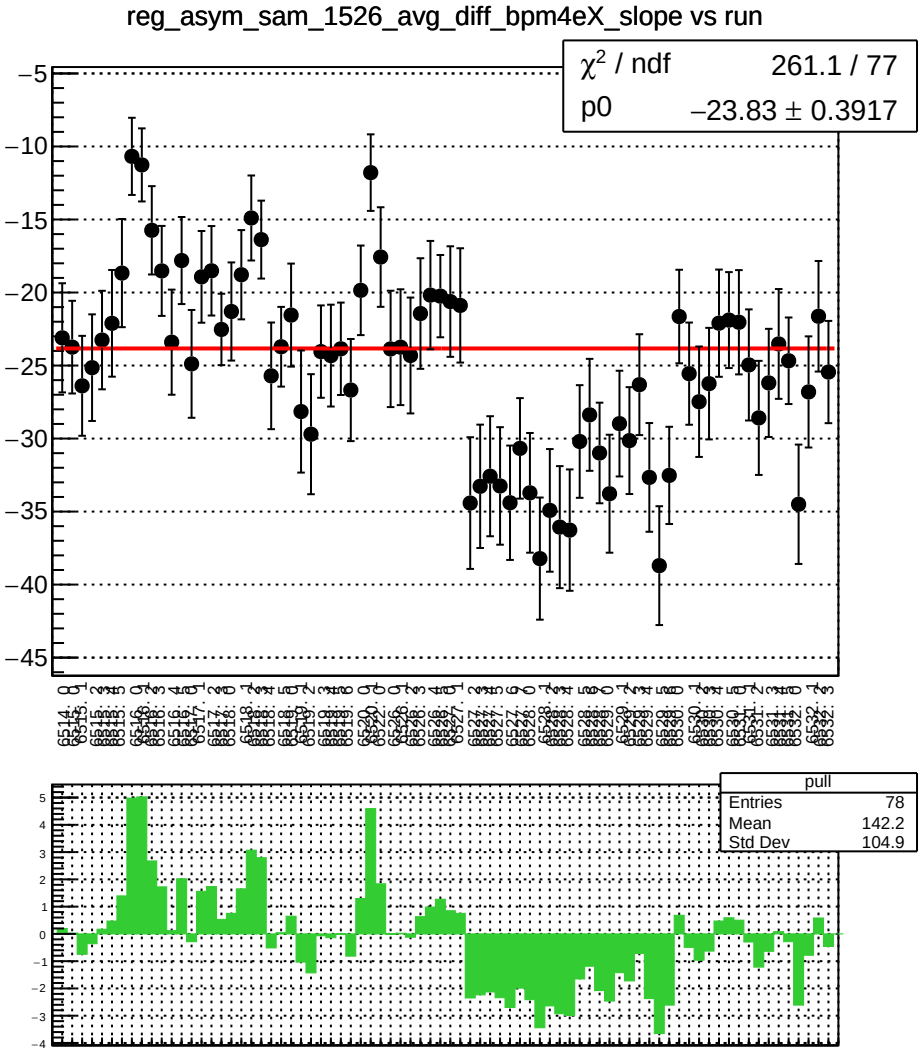

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 9.836 / 77
p0 −0.05757 ± 0.0455
pull
Entries 78
Mean 20.5
Std Dev 74.63
pull1D
Entries 78
Mean −0.009244
Std Dev 0.355

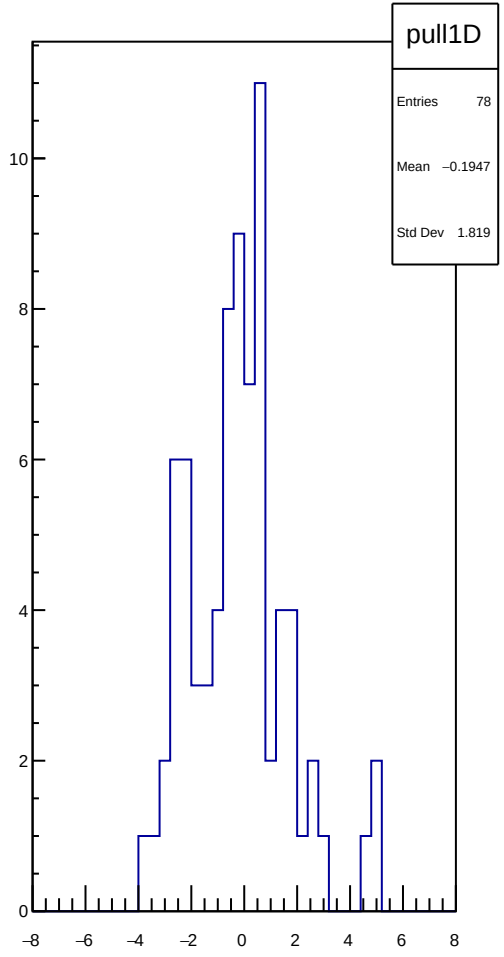

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 264.9 / 77
p0 −13.59 ± 0.3615
pull
Entries 78
Mean 130.7
Std Dev 93.76

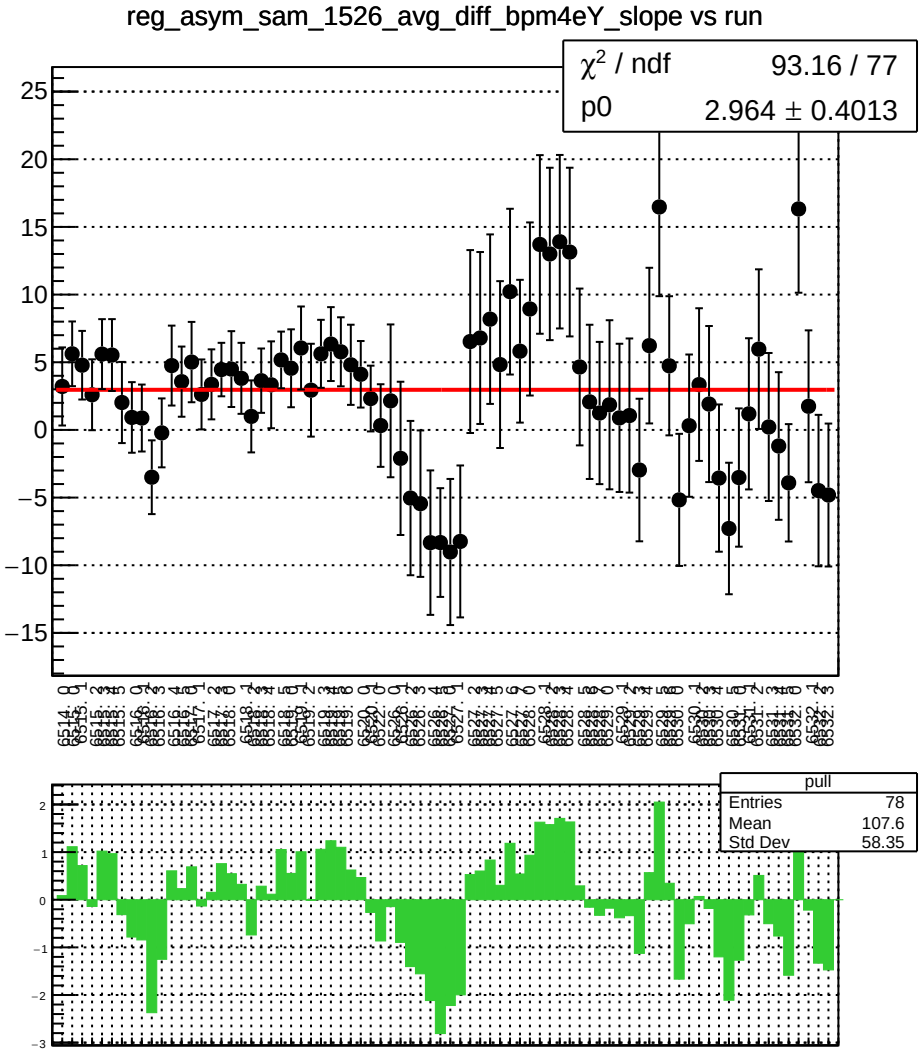

pull1D
Entries 78
Mean 0.1827
Std Dev 1.834

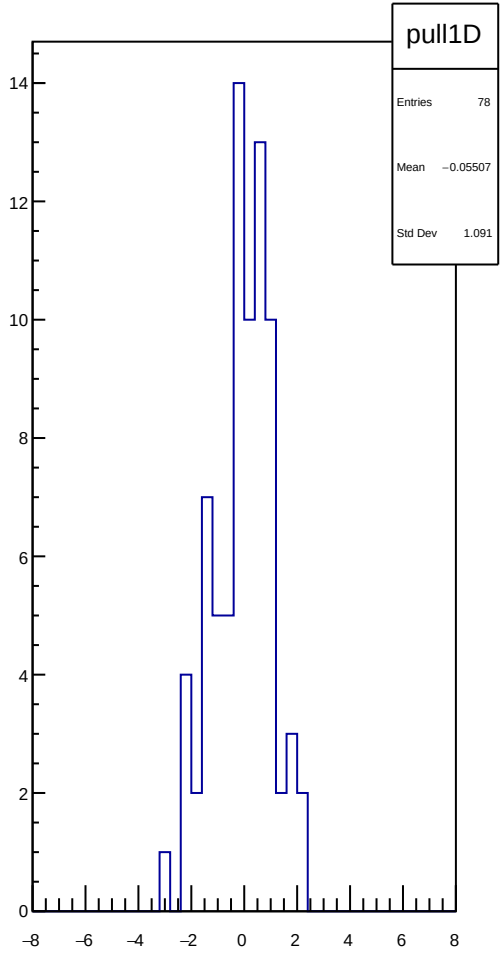

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 117.5 / 77
p0 5.398 ± 0.3466
pull
Entries 78
Mean 88.99
Std Dev 40.29

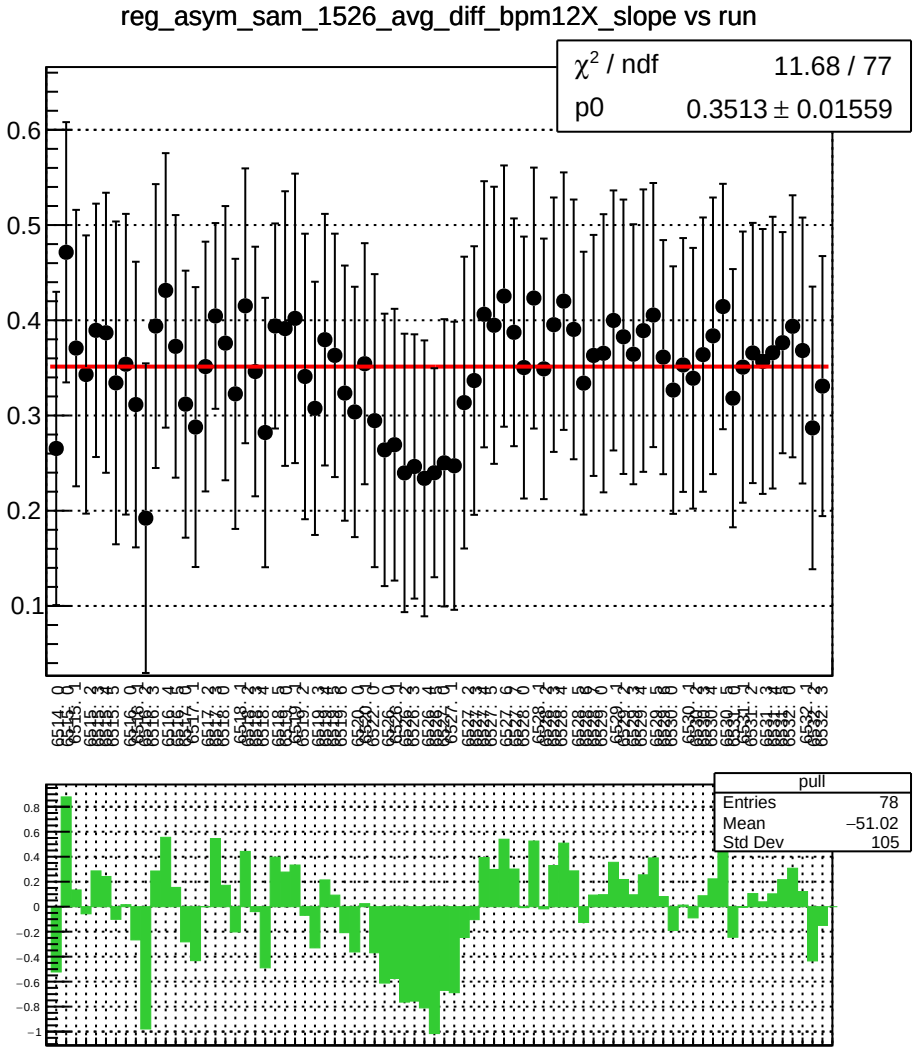

pull1D
Entries 78
Mean 0.1346
Std Dev 1.22

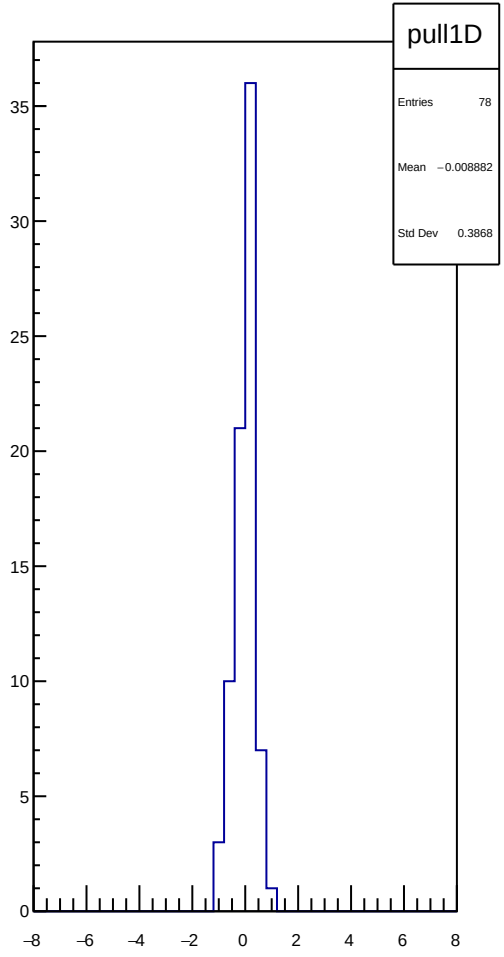

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 261.1 / 77
p0 −23.83 ± 0.3917
pull
Entries 78
Mean 142.2
Std Dev 104.9

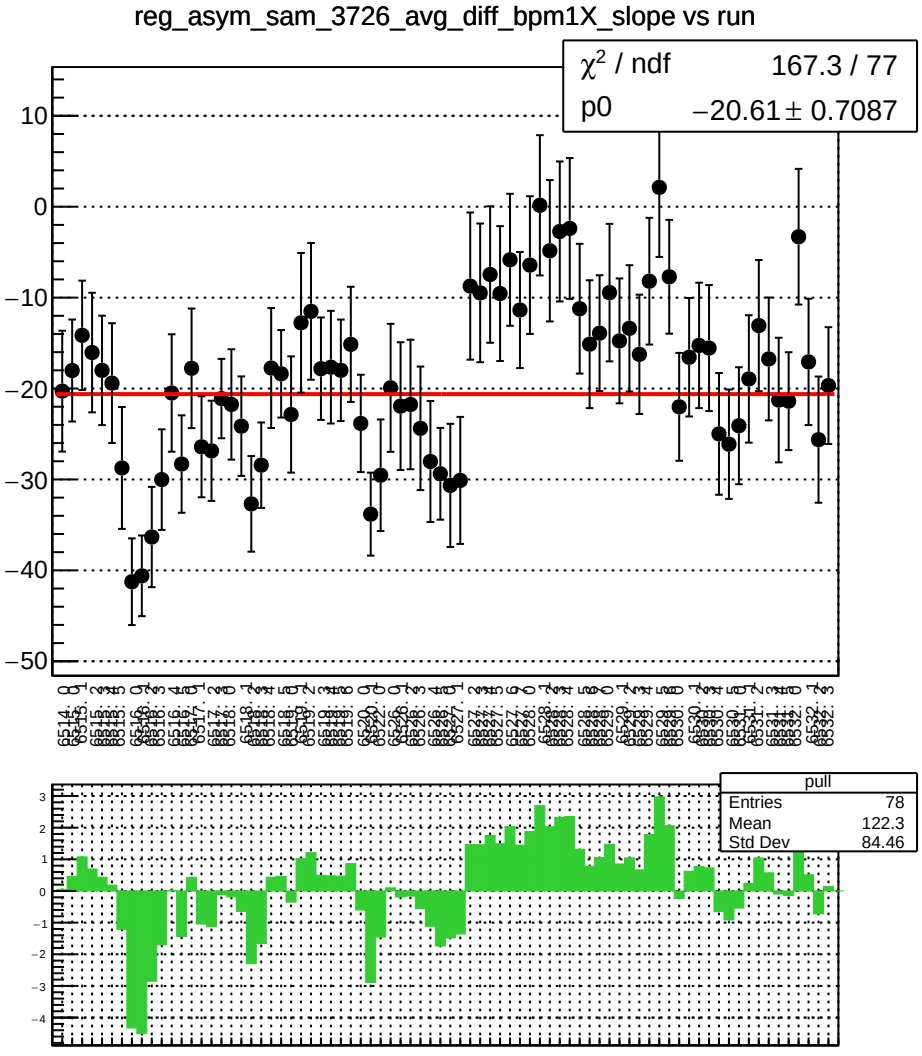

pull1D
Entries 78
Mean −0.1947
Std Dev 1.819

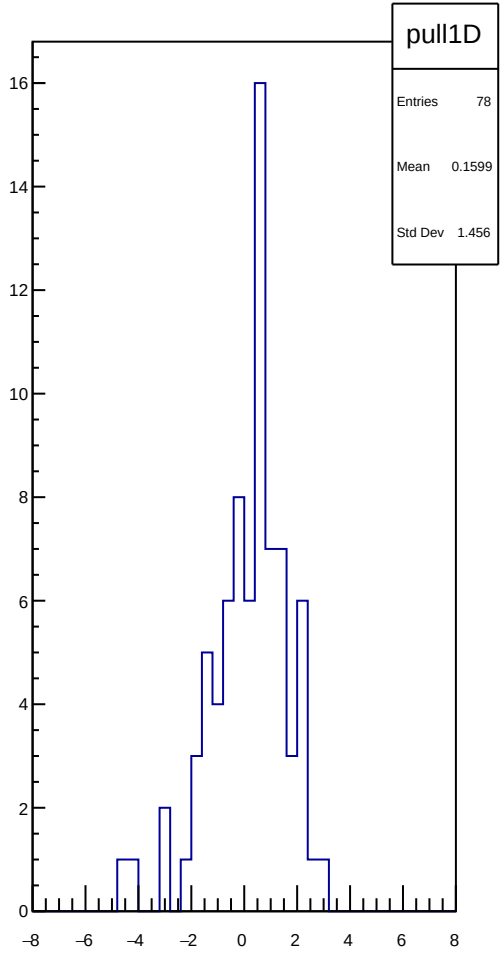

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.16 / 77
p0 2.964 ± 0.4013
pull
Entries 78
Mean 107.6
Std Dev 58.35

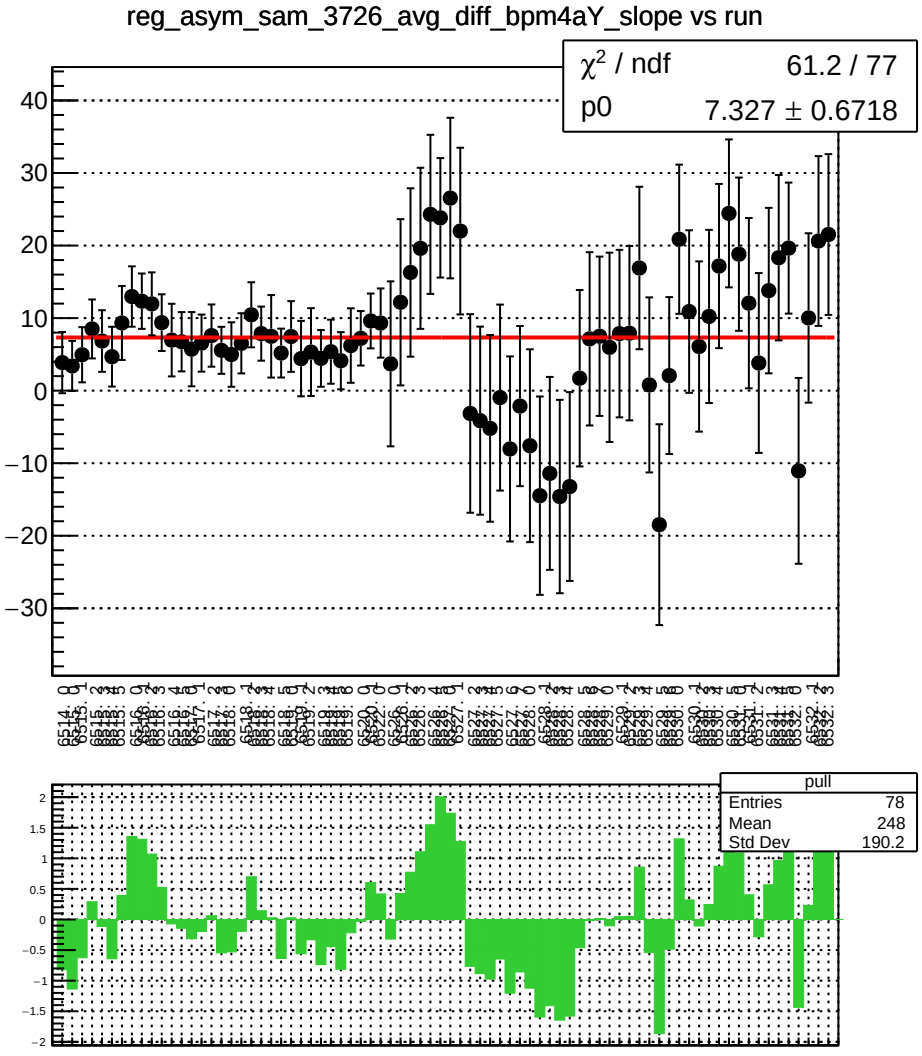

pull1D
Entries 78
Mean −0.05507
Std Dev 1.091

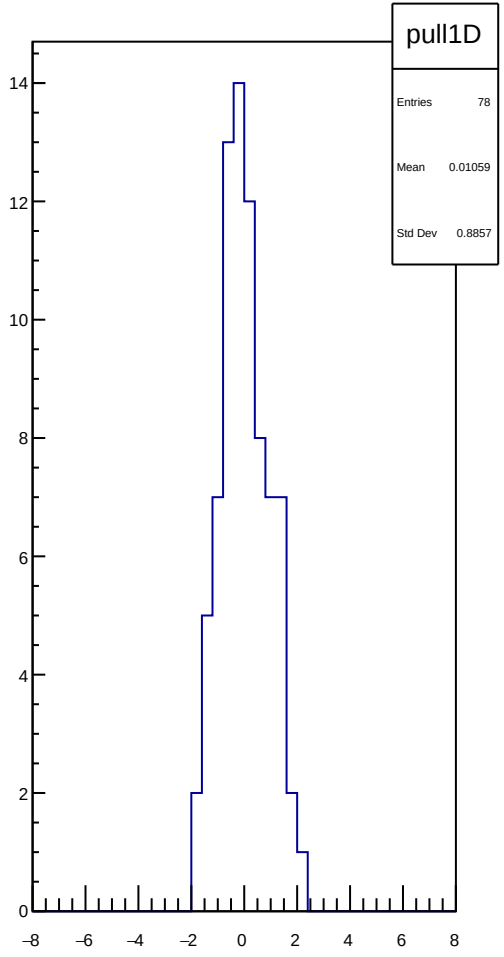

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.68 / 77
p0 0.3513 ± 0.01559
pull
Entries 78
Mean −51.02
Std Dev 105

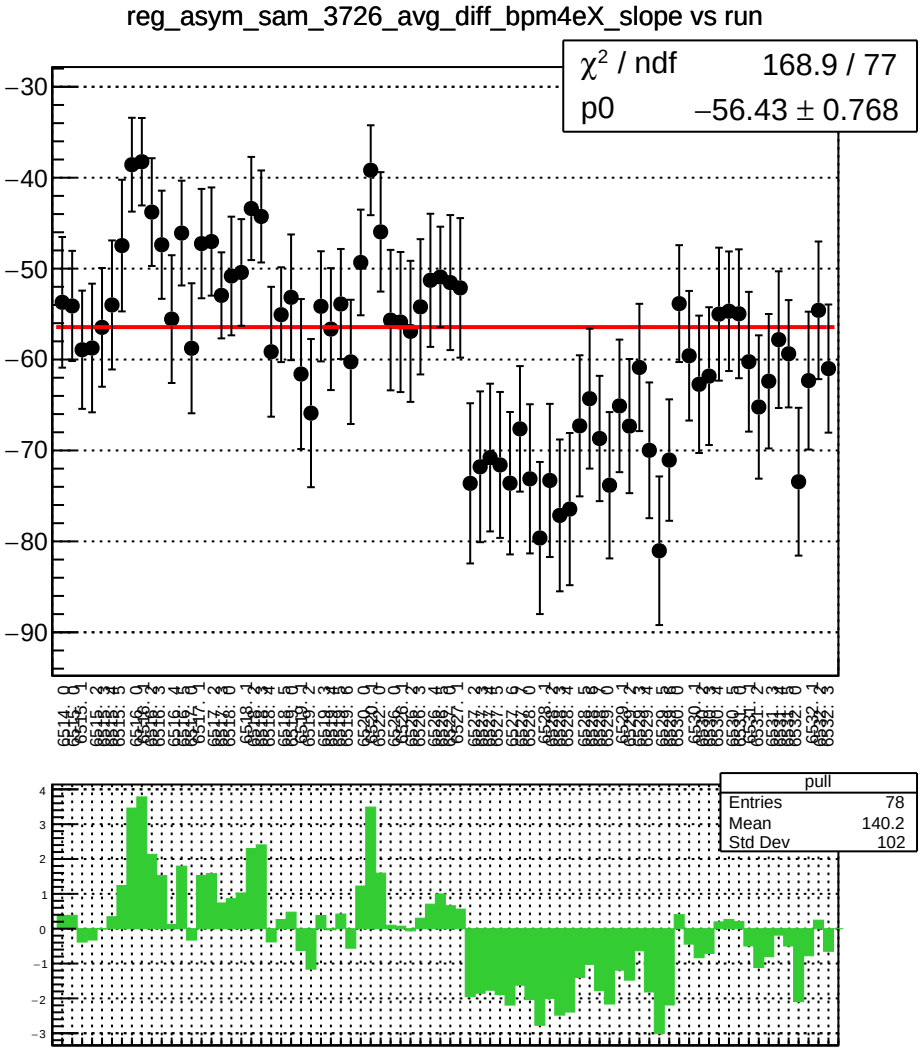

pull1D
Entries 78
Mean −0.008882
Std Dev 0.3868

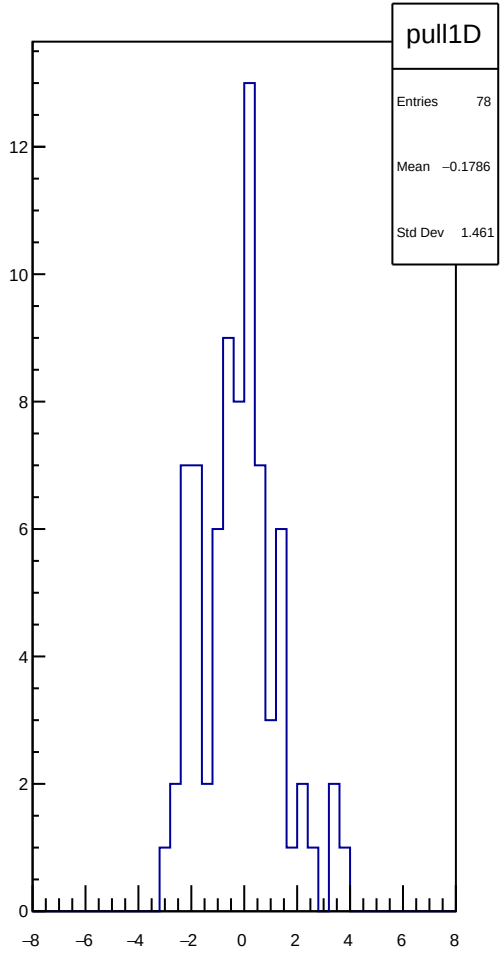

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 167.3 / 77
p0 −20.61 ± 0.7087
pull
Entries 78
Mean 122.3
Std Dev 84.46

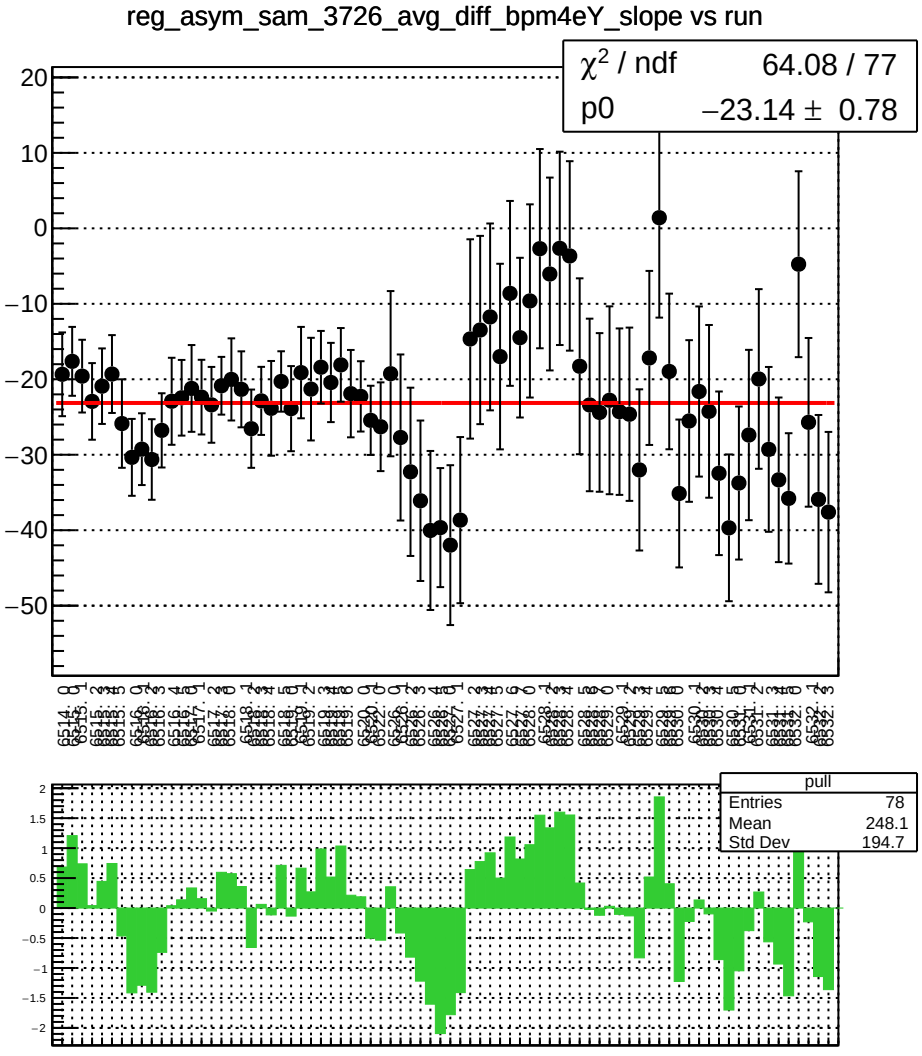

pull1D
Entries 78
Mean 0.1599
Std Dev 1.456

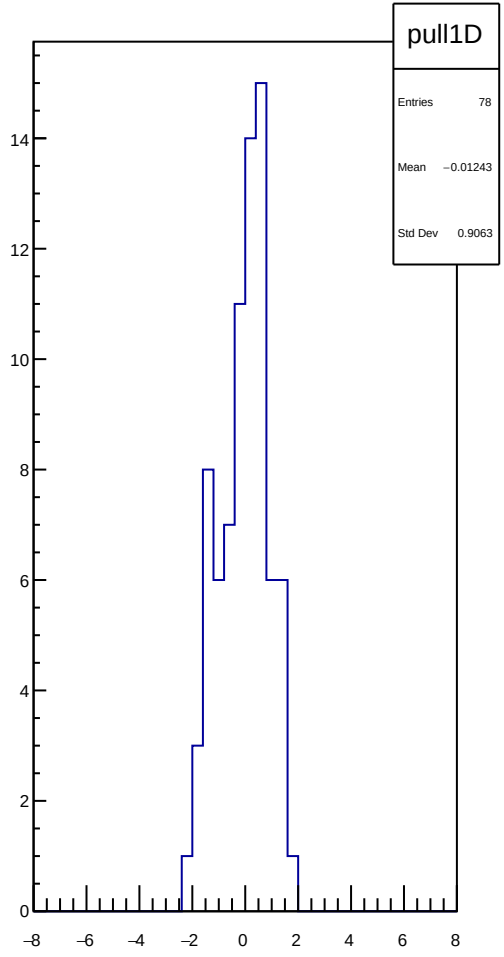

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 61.2 / 77
p0 7.327 ± 0.6718
pull
Entries 78
Mean 248
Std Dev 190.2

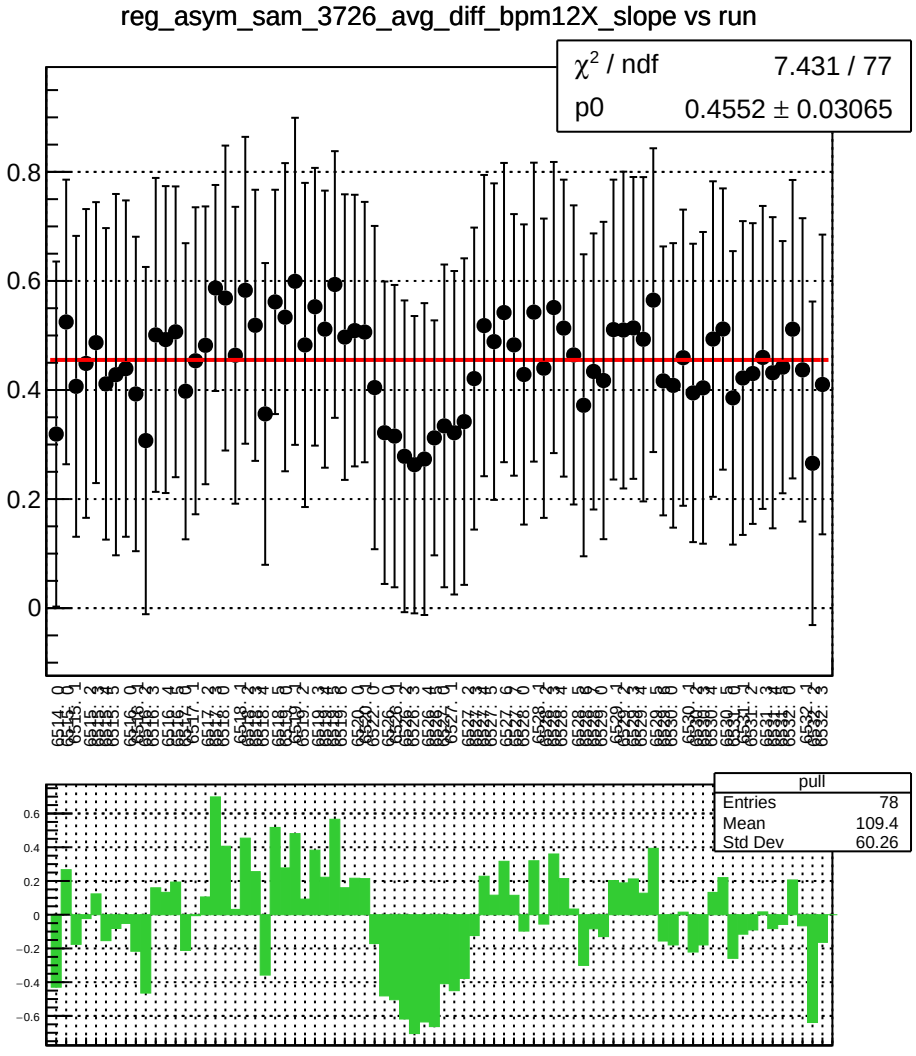

pull1D
Entries 78
Mean 0.01059
Std Dev 0.8857

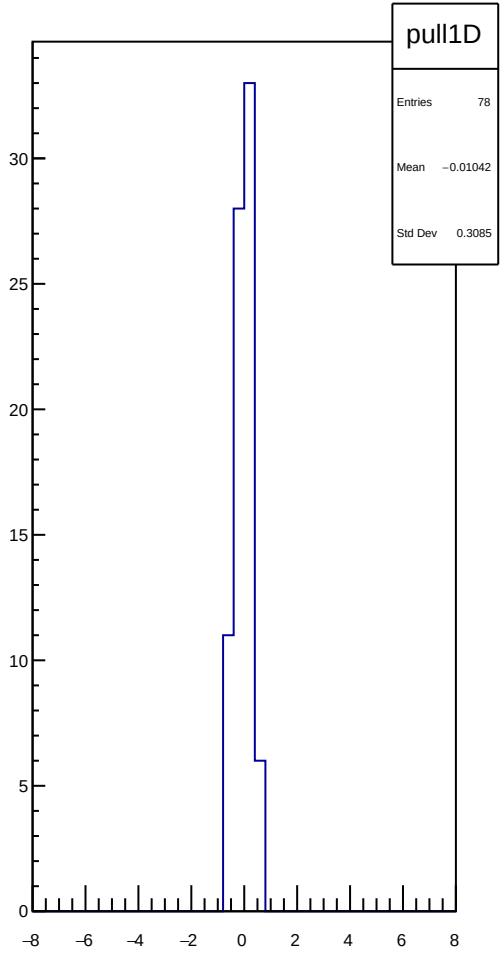

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 168.9 / 77
p0 −56.43 ± 0.768
pull
Entries 78
Mean 140.2
Std Dev 102

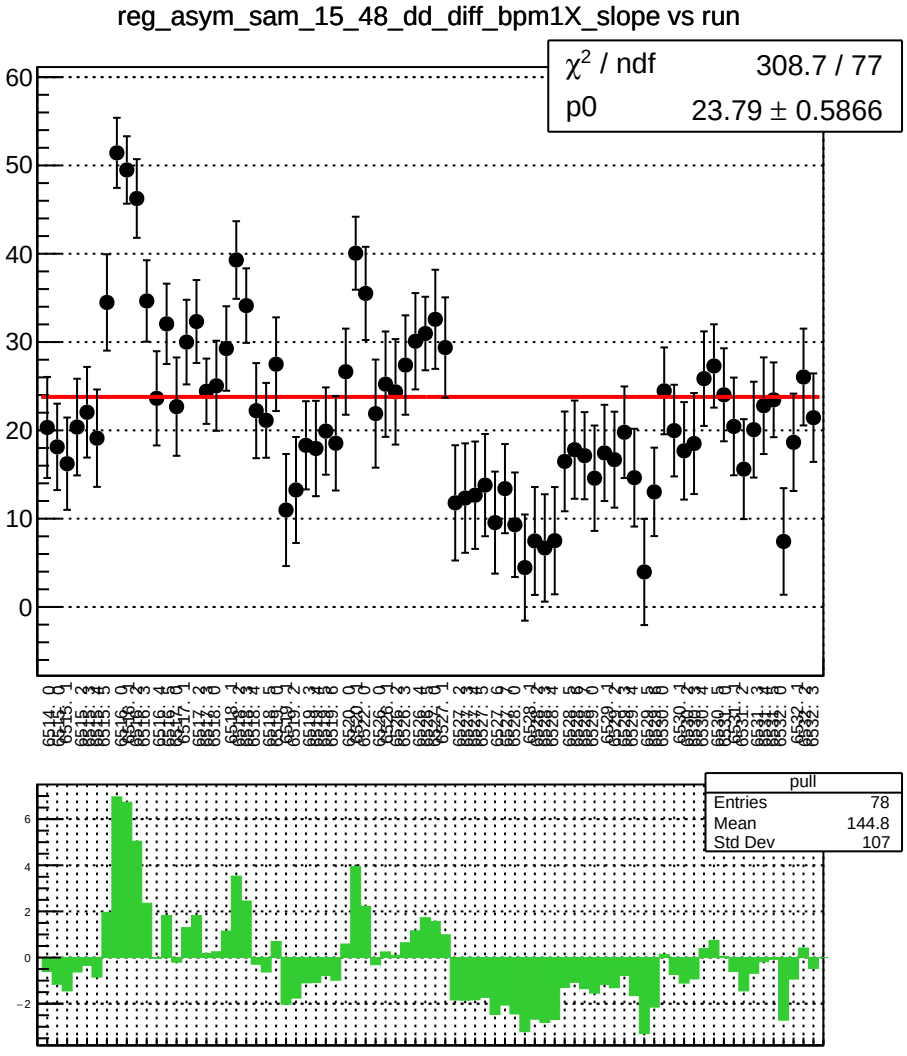

pull1D
Entries 78
Mean −0.1786
Std Dev 1.461

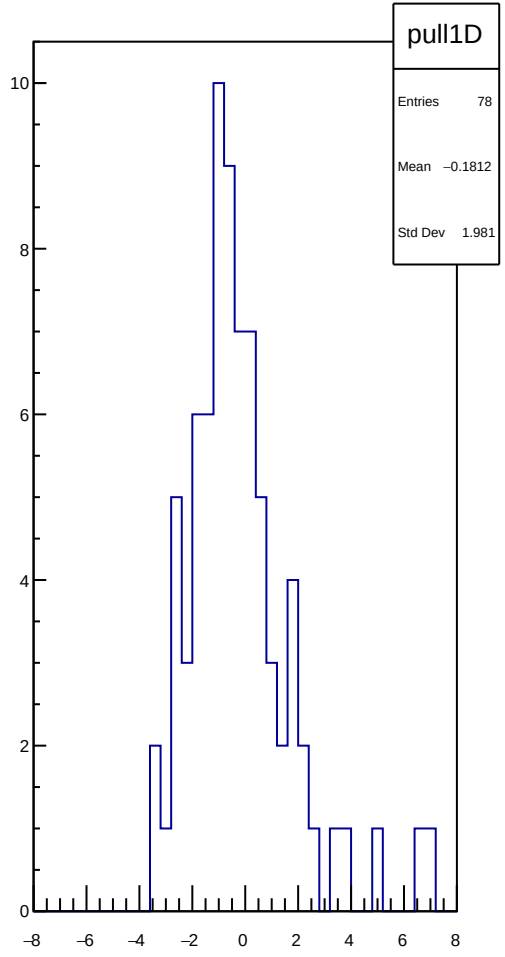

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.08 / 77
p0 −23.14 ± 0.78
pull
Entries 78
Mean 248.1
Std Dev 194.7

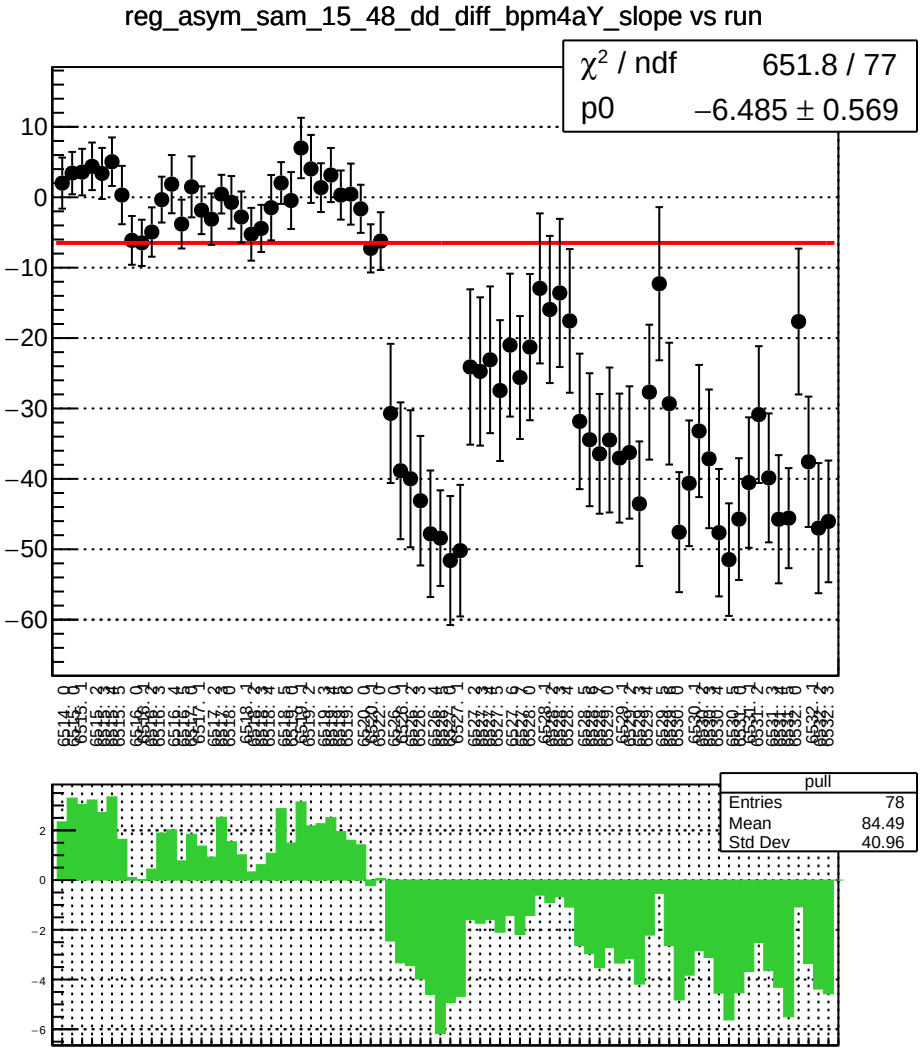

pull1D
Entries 78
Mean −0.01243
Std Dev 0.9063

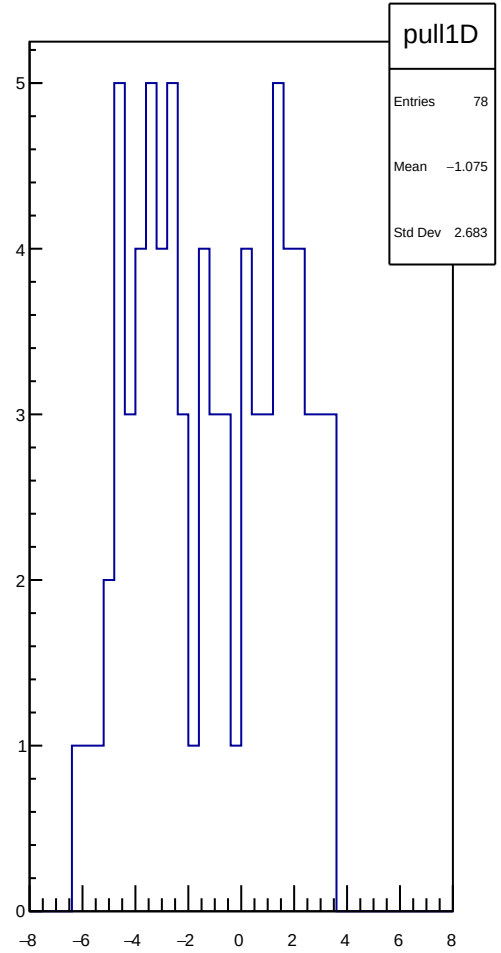

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.431 / 77
p0 0.4552 ± 0.03065
pull
Entries 78
Mean 109.4
Std Dev 60.26


pull1D
Entries 78
Mean −0.01042
Std Dev 0.3085

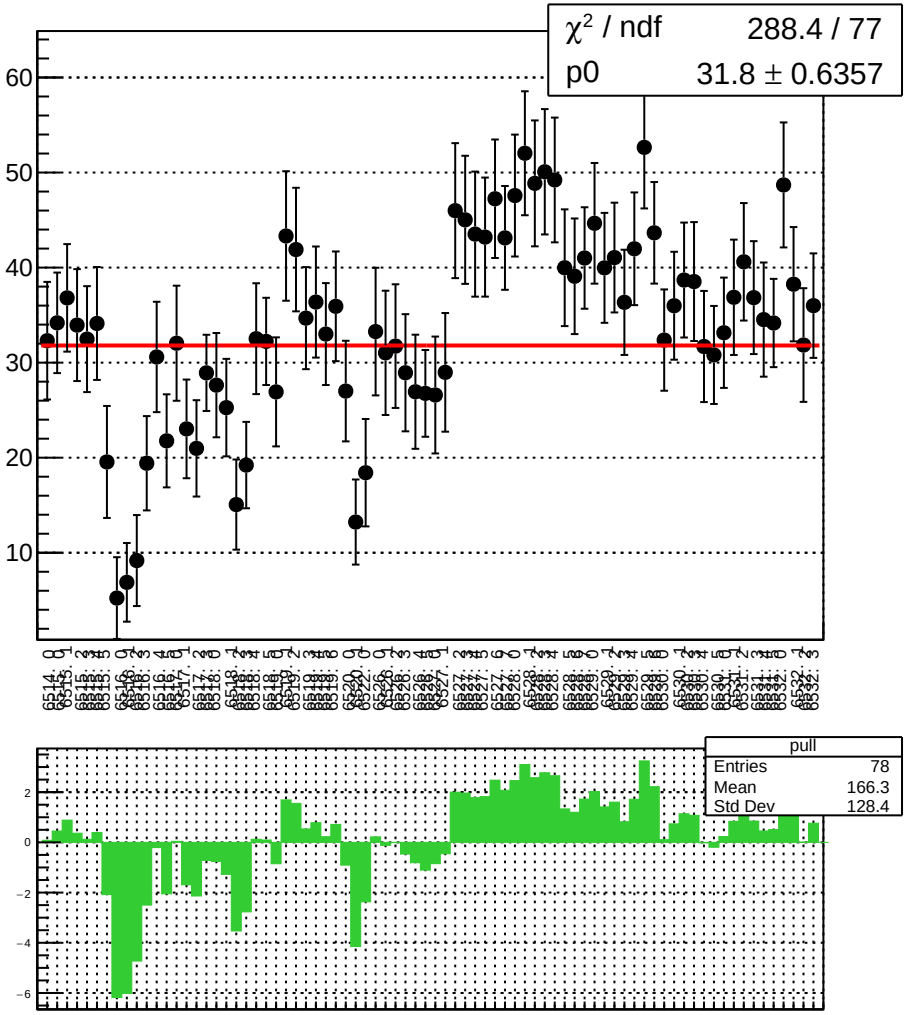

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 308.7 / 77
p0 23.79 ± 0.5866
pull
Entries 78
Mean 144.8
Std Dev 107

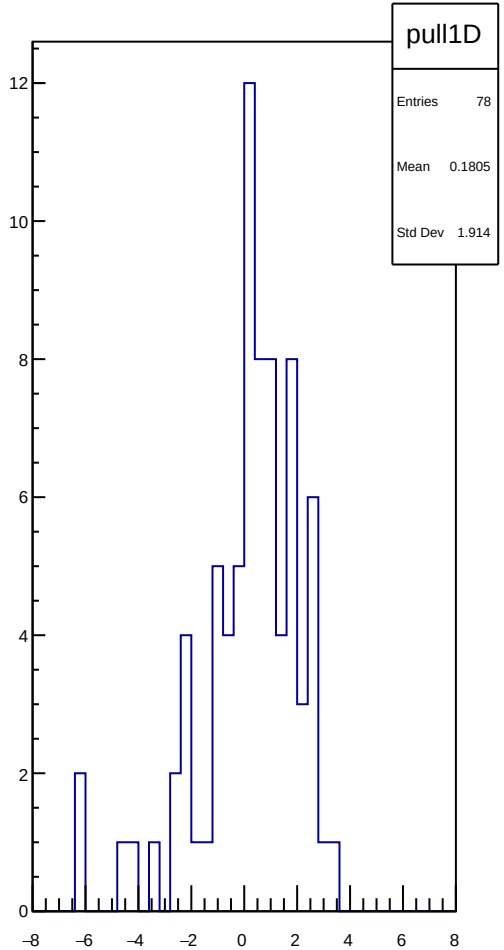

pull1D
Entries 78
Mean −0.1812
Std Dev 1.981


reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 651.8 / 77
p0 −6.485 ± 0.569
pull
Entries 78
Mean 84.49
Std Dev 40.96

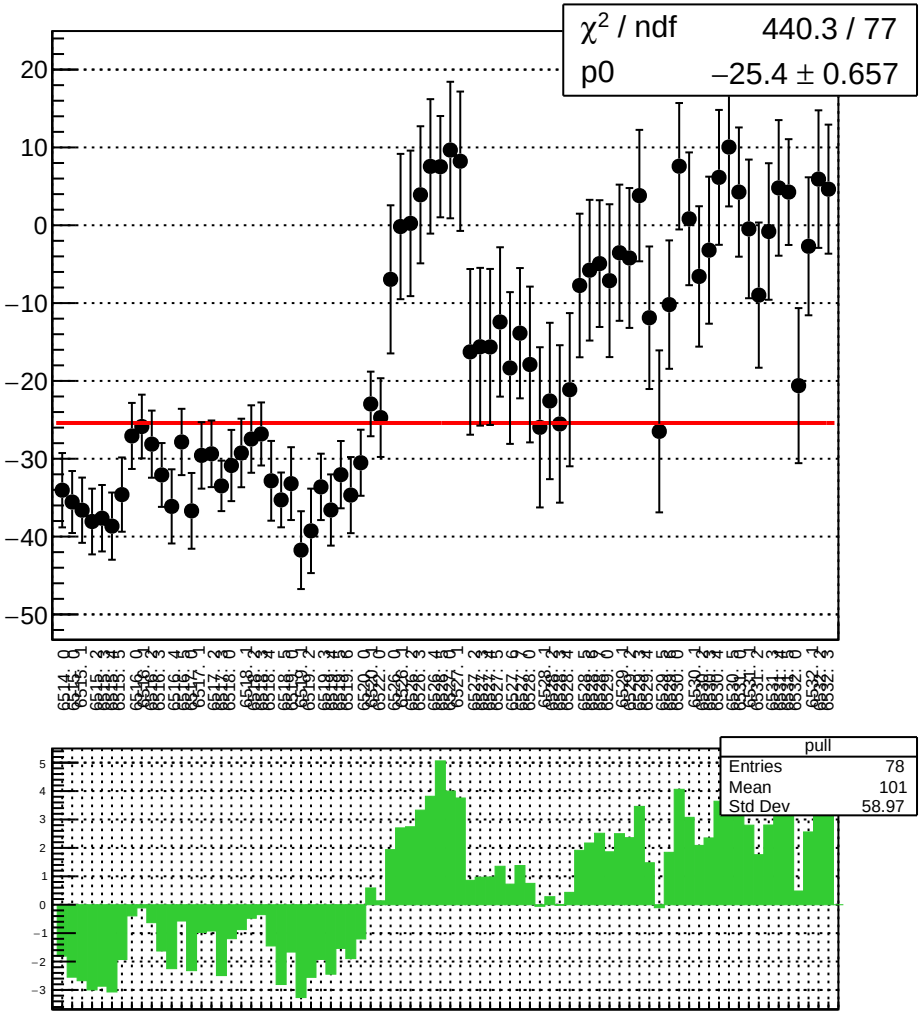

pull1D
Entries 78
Mean −1.075
Std Dev 2.683

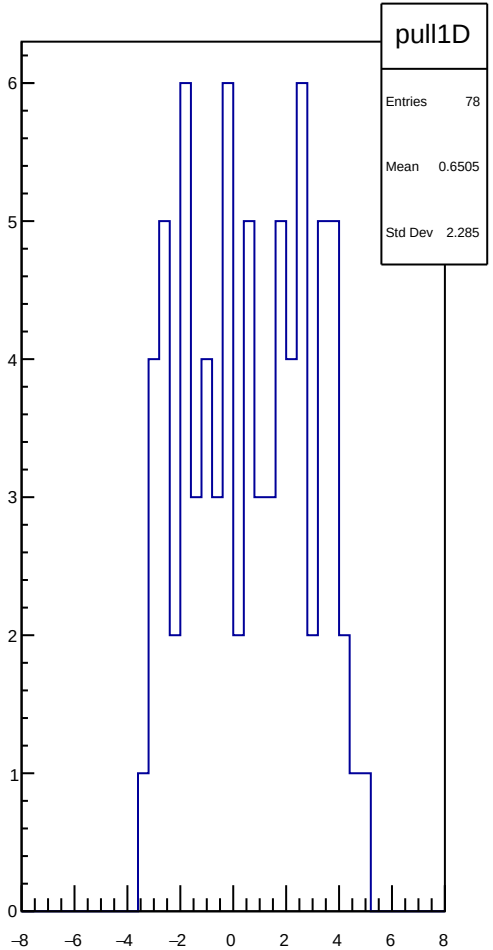
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run

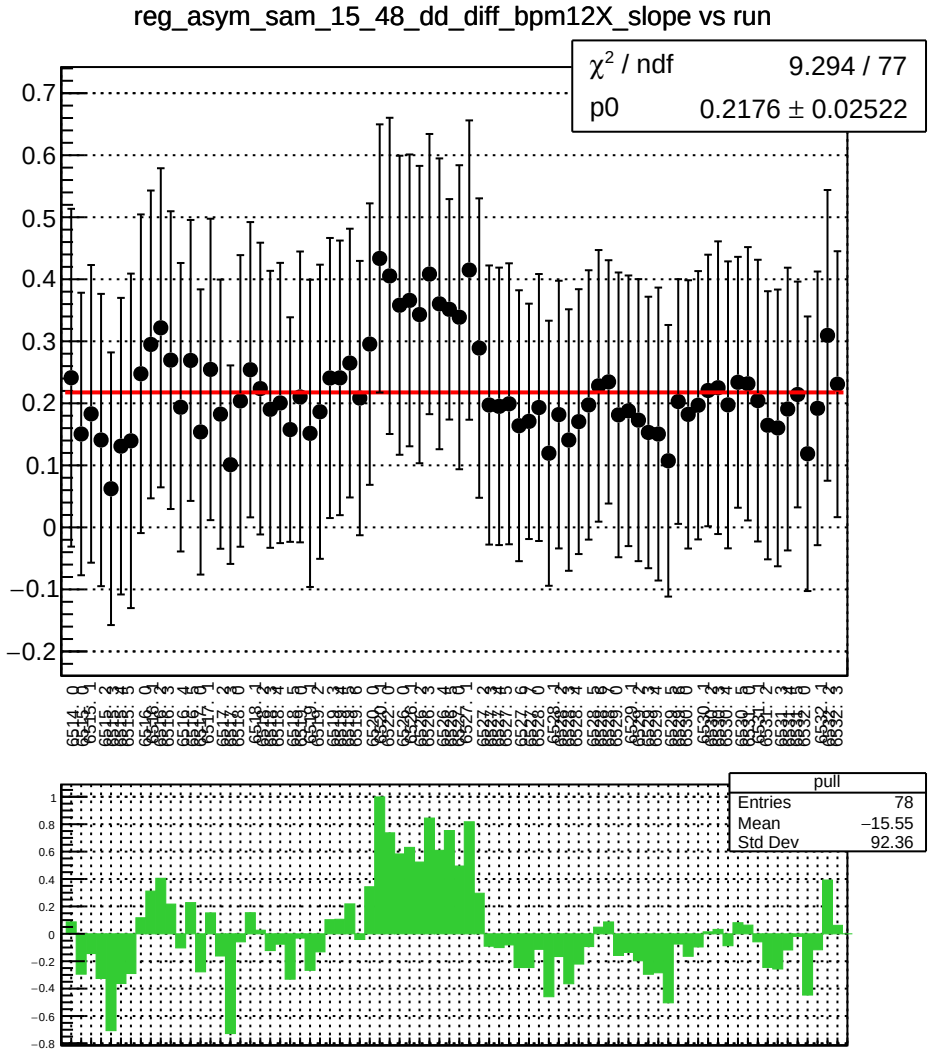


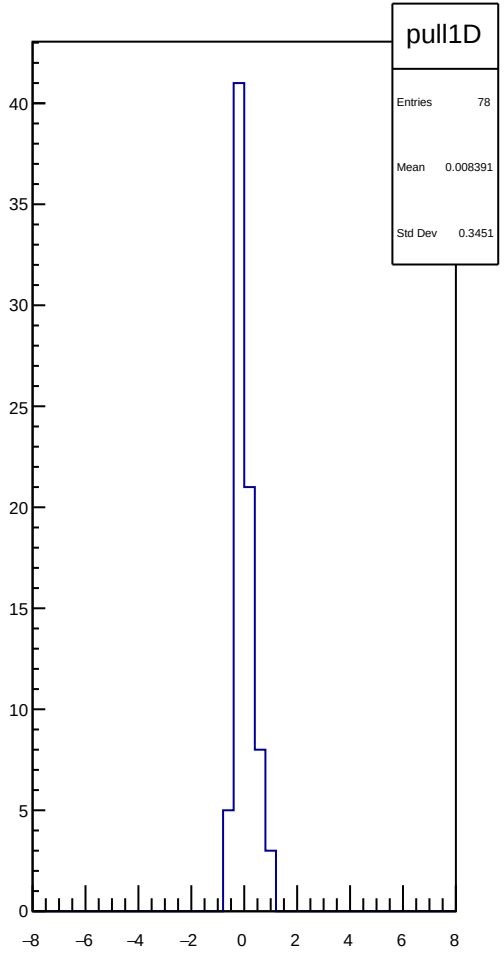


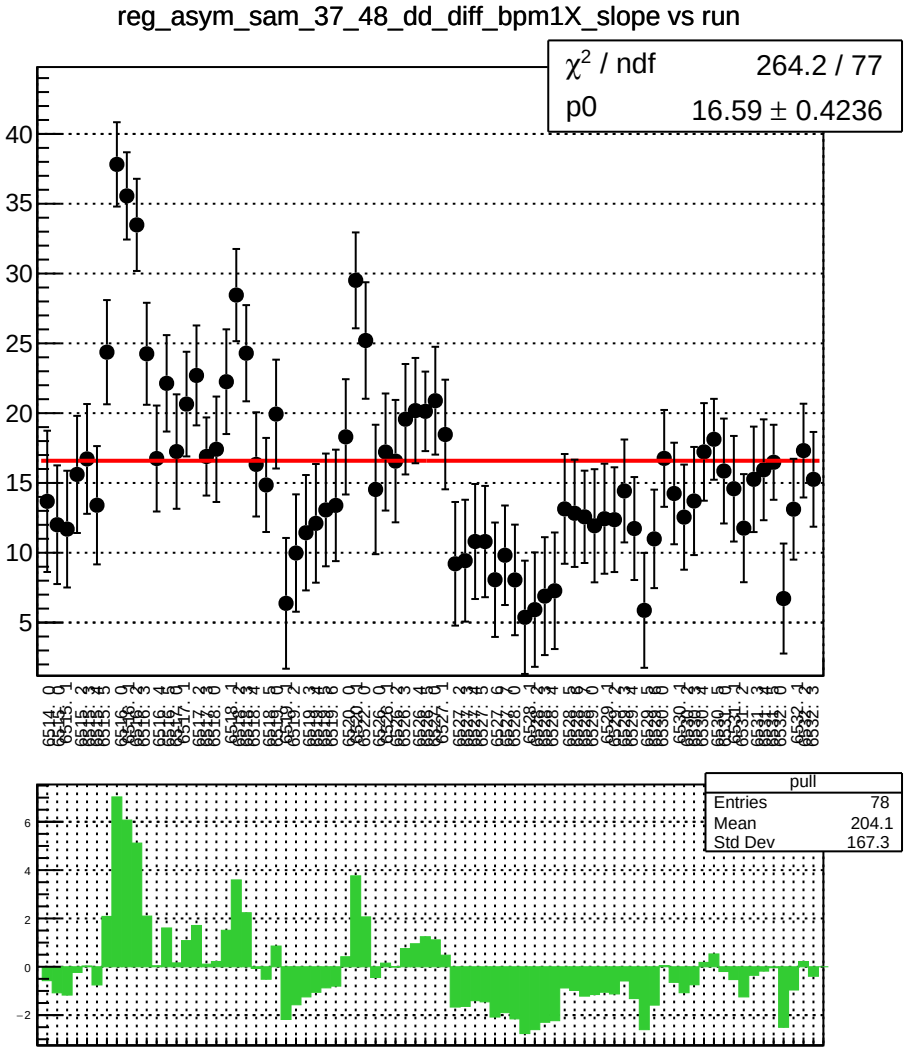
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run

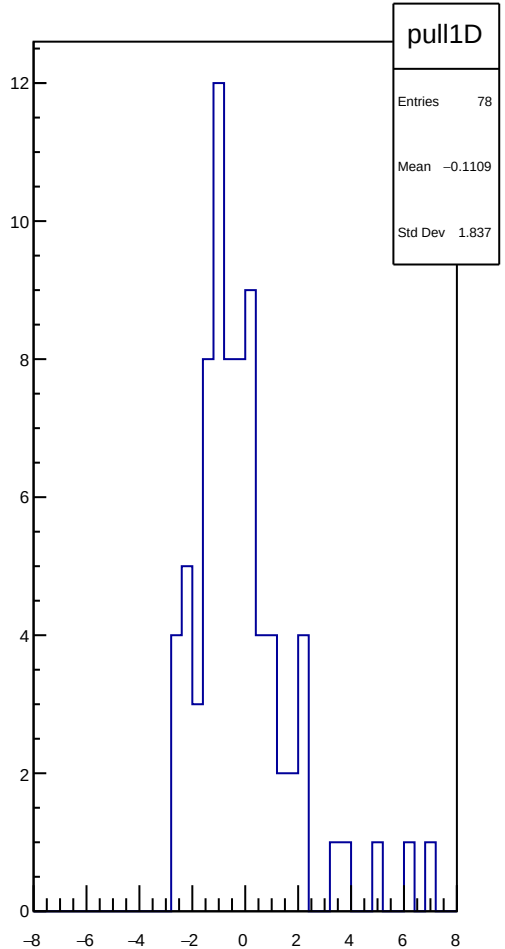


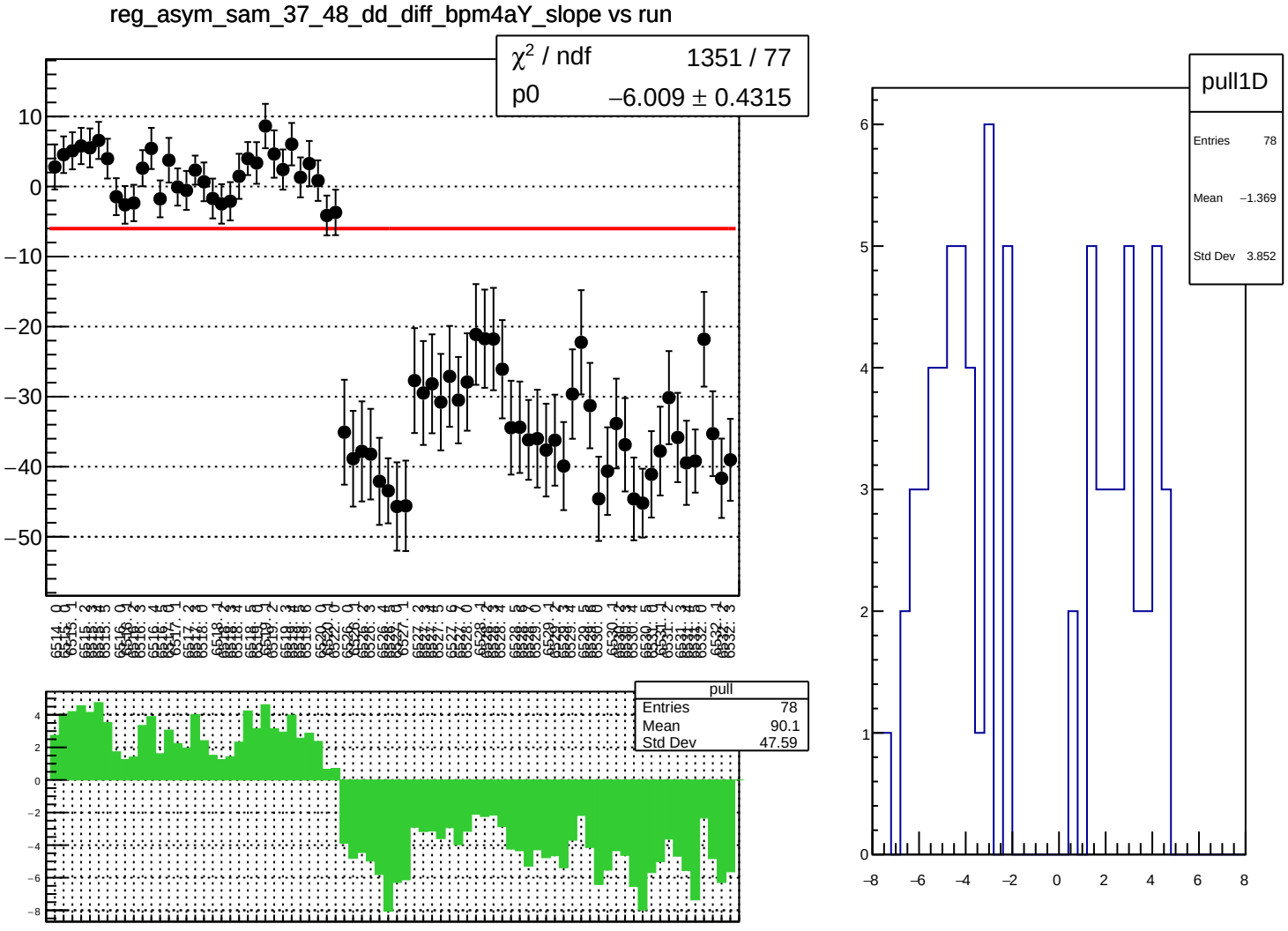


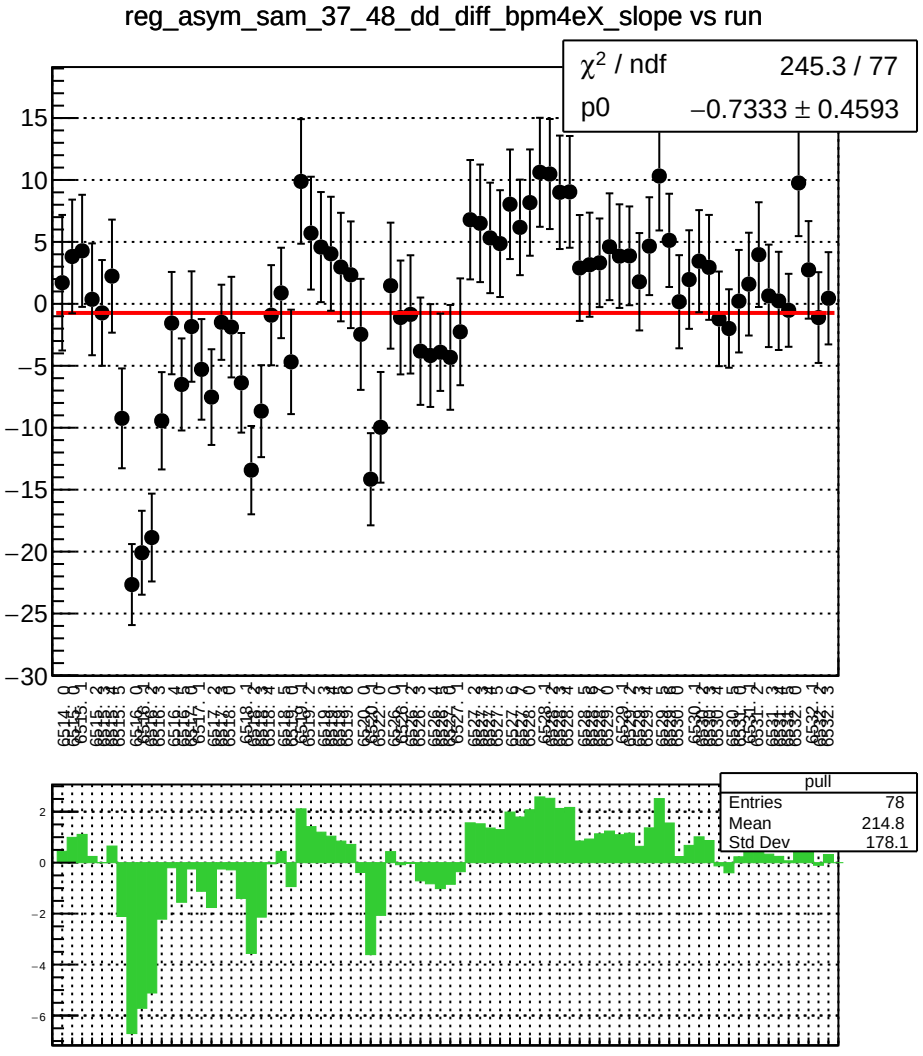

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.294 / 77
p0 0.2176 ± 0.02522
pull
Entries 78
Mean −15.55
Std Dev 92.36

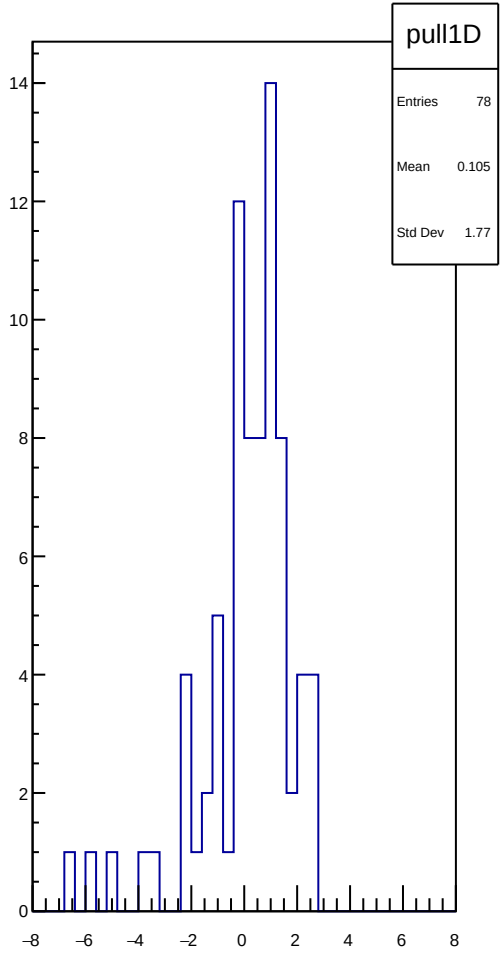

pull1D
Entries 78
Mean 0.008391
Std Dev 0.3451

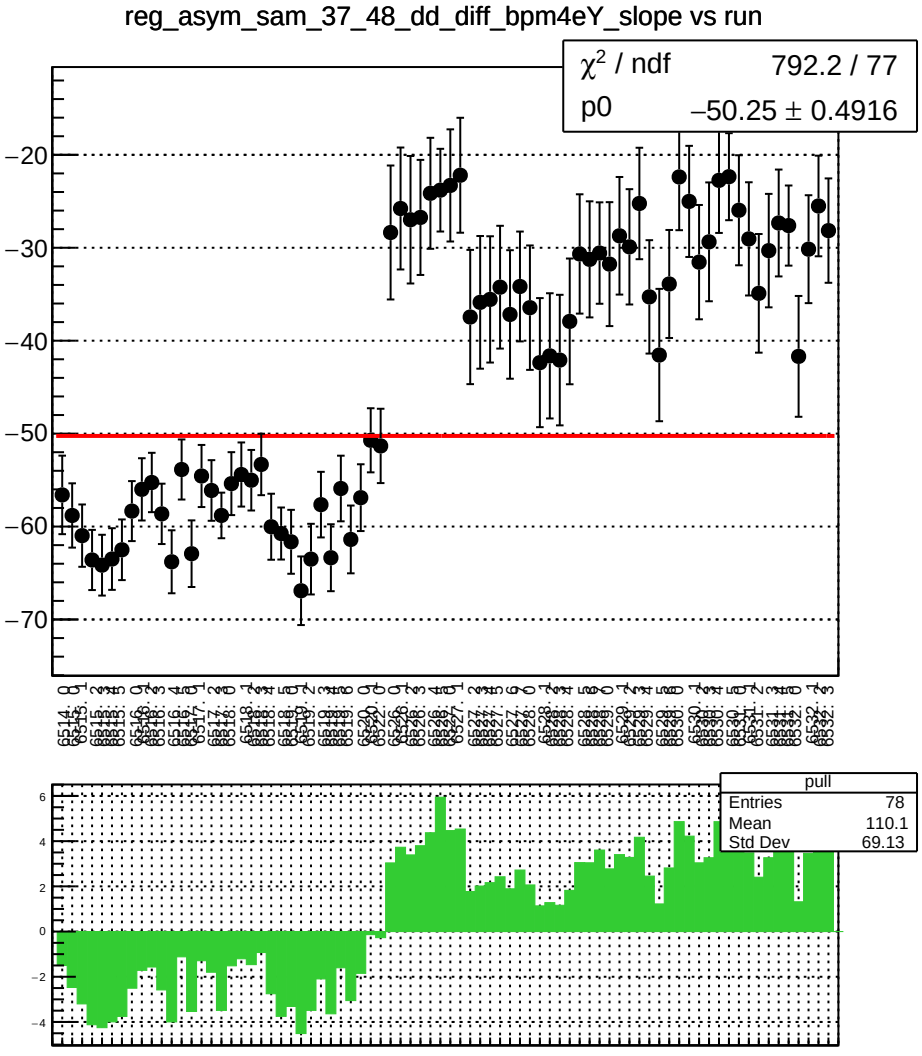

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 264.2 / 77
p0 16.59 ± 0.4236
pull
Entries 78
Mean 204.1
Std Dev 167.3

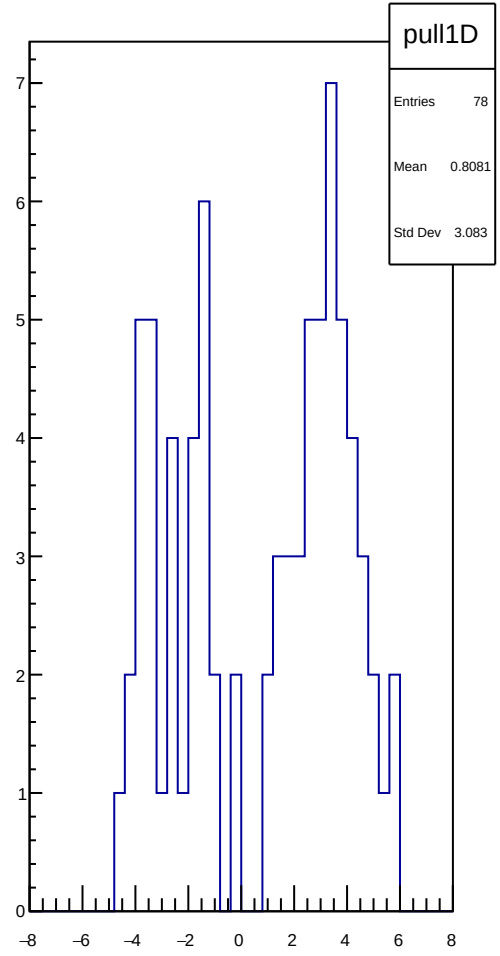

pull1D
Entries 78
Mean −0.1109
Std Dev 1.837

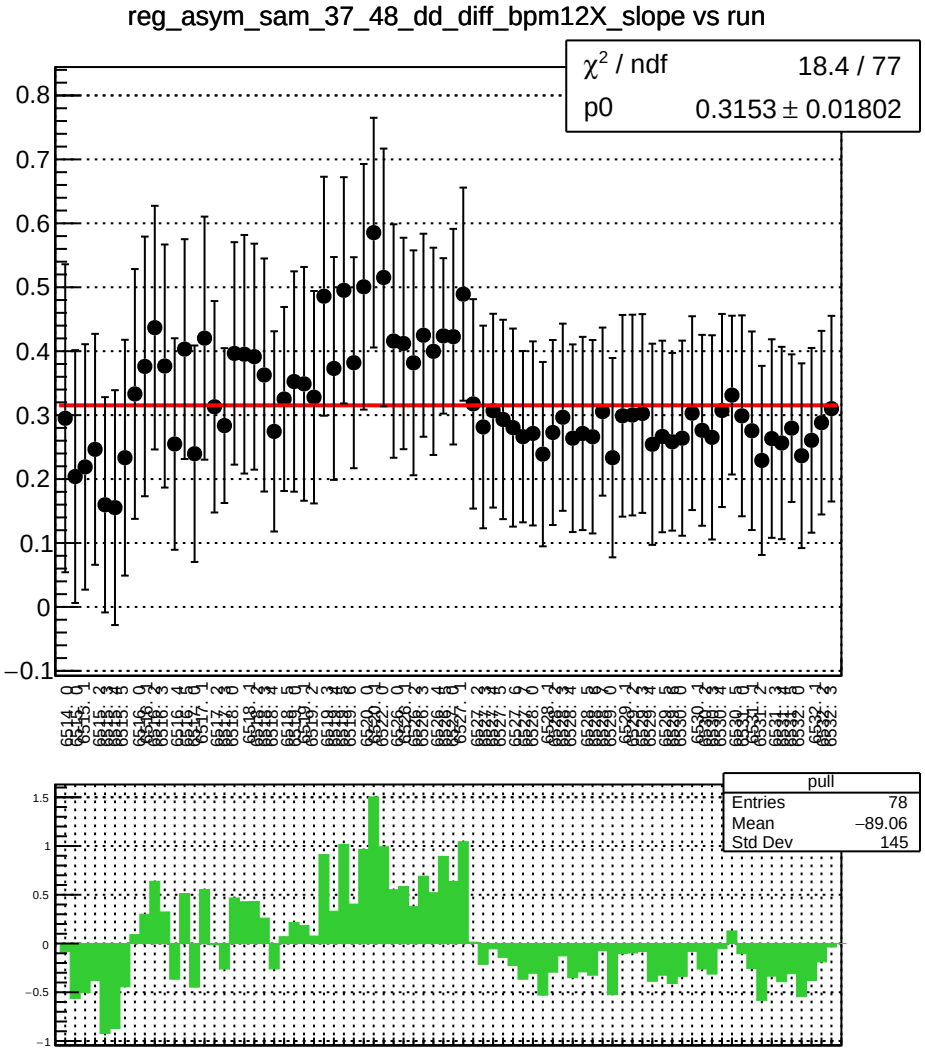

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1351 / 77
p0 −6.009 ± 0.4315
pull
Entries 78
Mean 90.1
Std Dev 47.59
pull1D
Entries 78
Mean −1.369
Std Dev 3.852

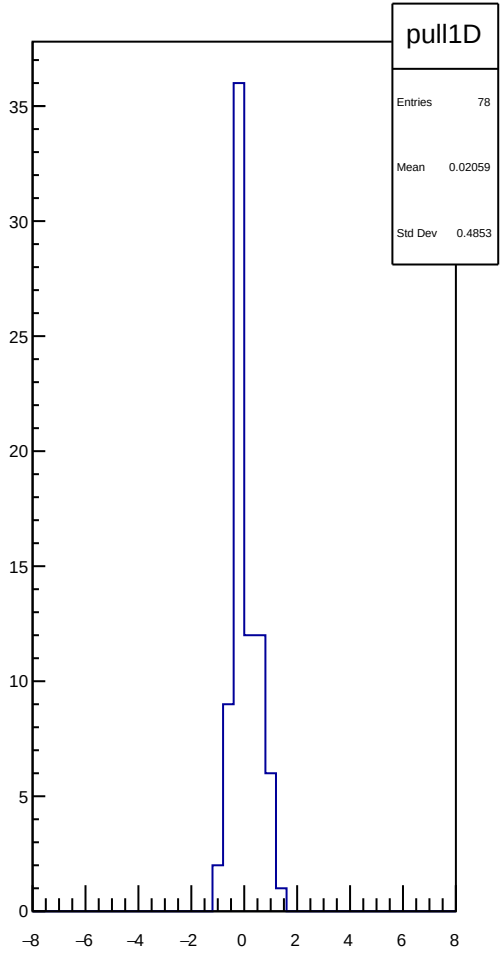

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 245.3 / 77
p0 −0.7333 ± 0.4593
pull
Entries 78
Mean 214.8
Std Dev 178.1

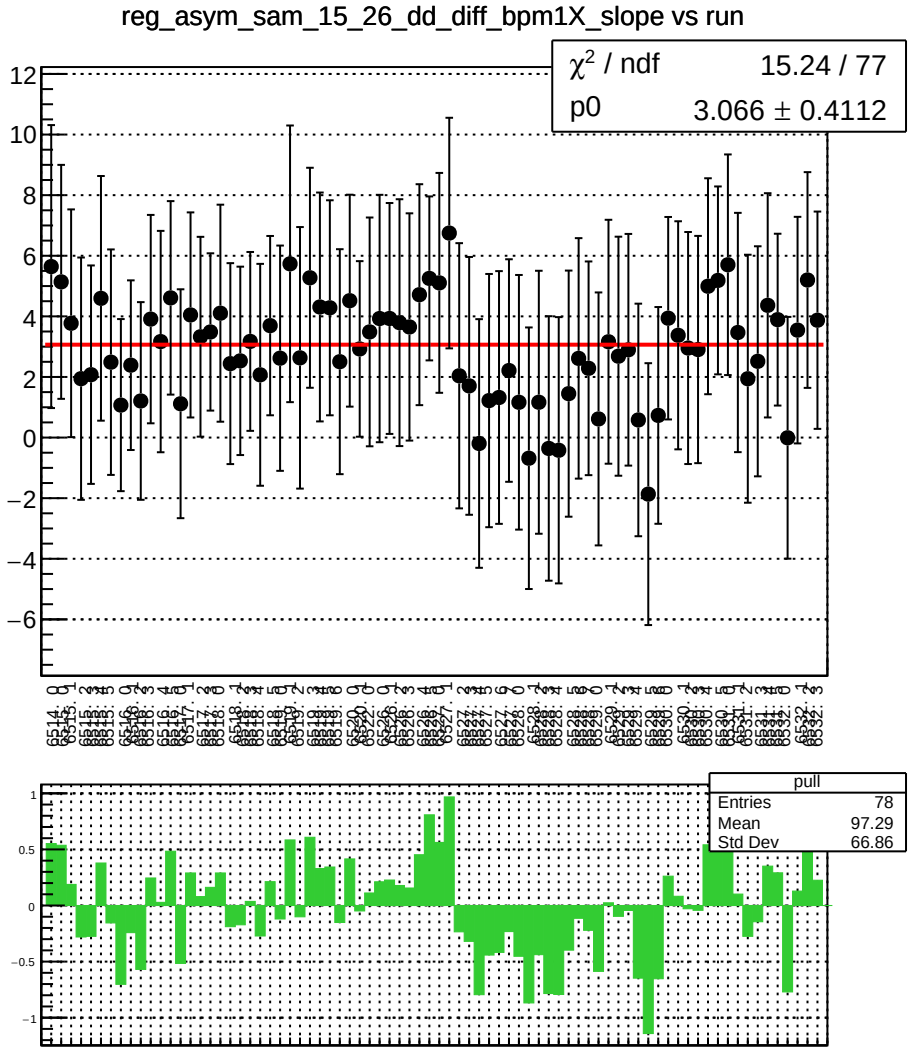

pull1D
Entries 78
Mean 0.105
Std Dev 1.77

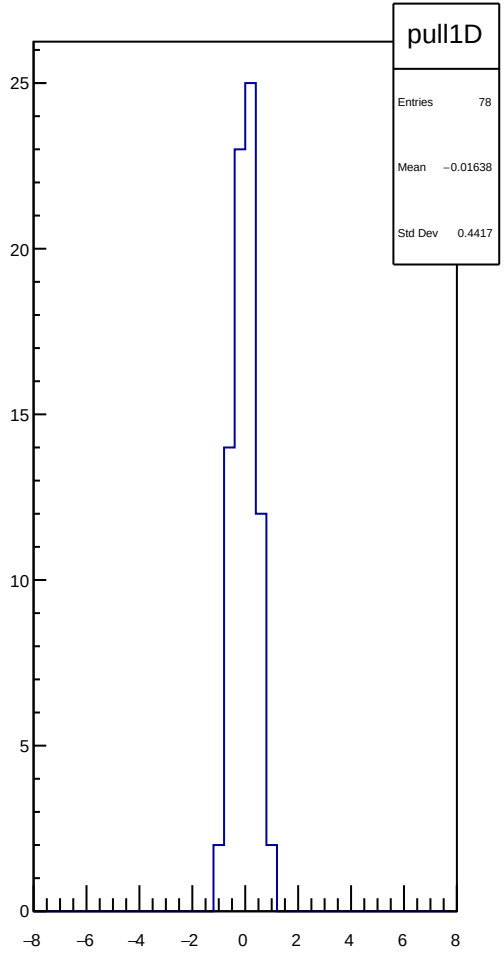

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 792.2 / 77
p0 −50.25 ± 0.4916
pull
Entries 78
Mean 110.1
Std Dev 69.13

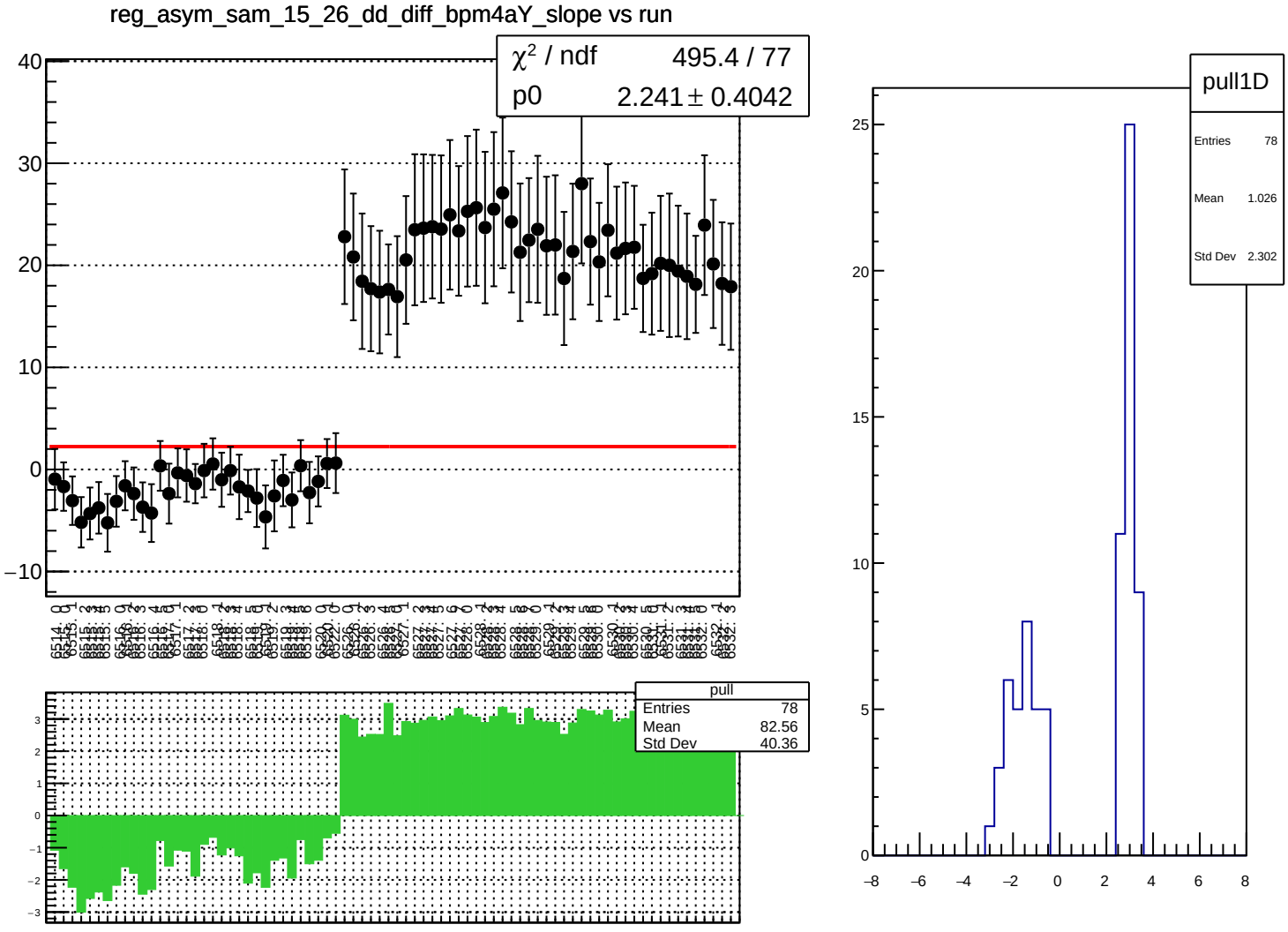

pull1D
Entries 78
Mean 0.8081
Std Dev 3.083

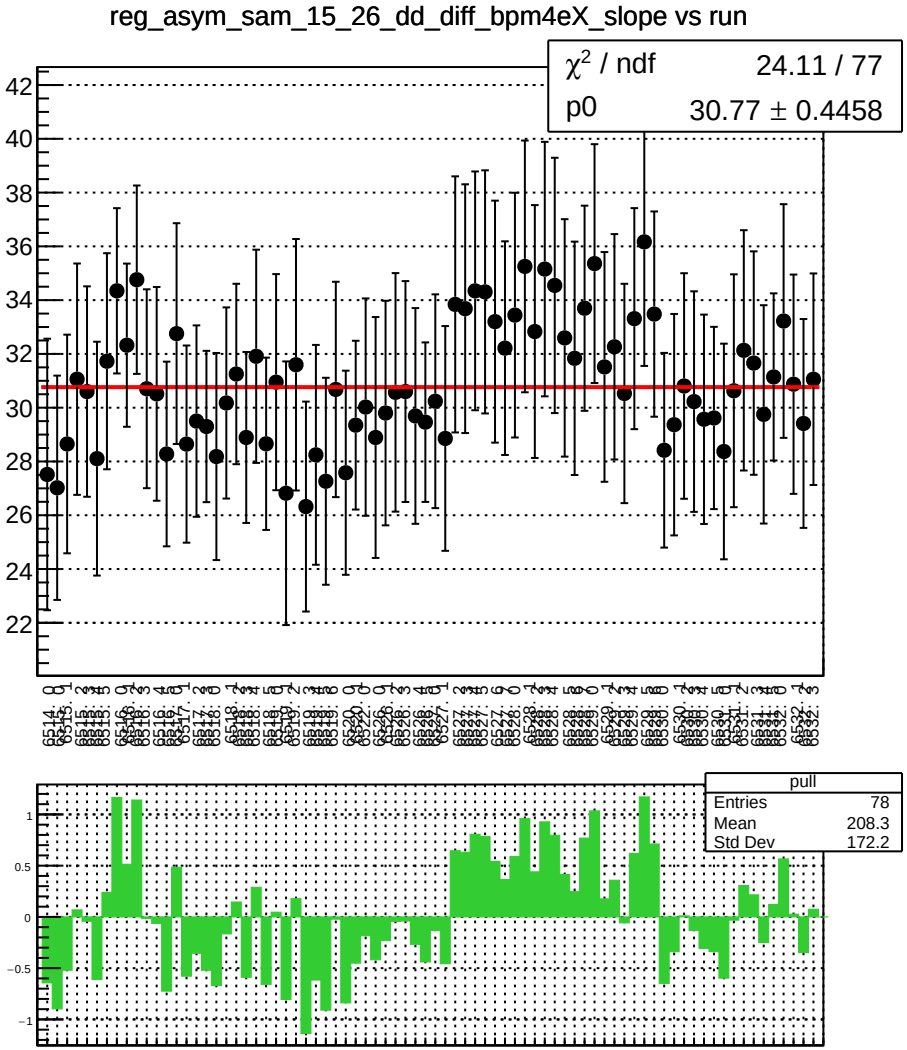

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 18.4 / 77
p0 0.3153 ± 0.01802
pull
Entries 78
Mean −89.06
Std Dev 145

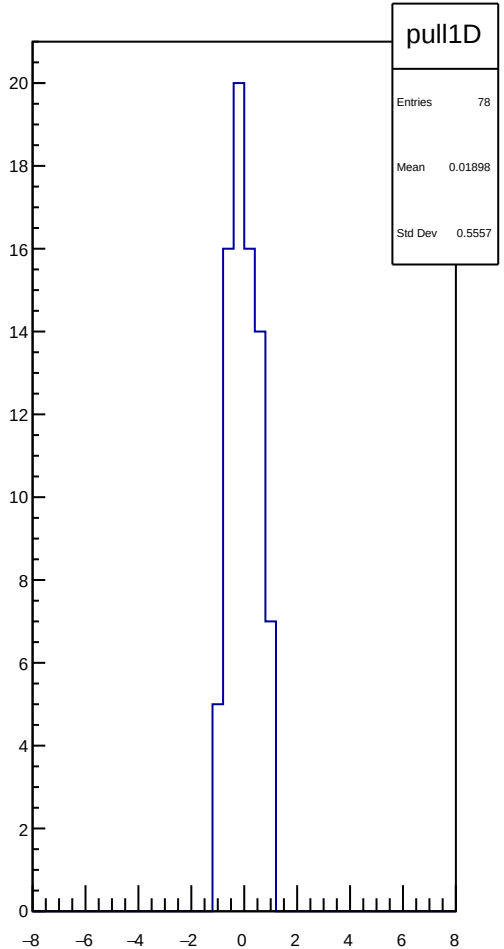

pull1D
Entries 78
Mean 0.02059
Std Dev 0.4853

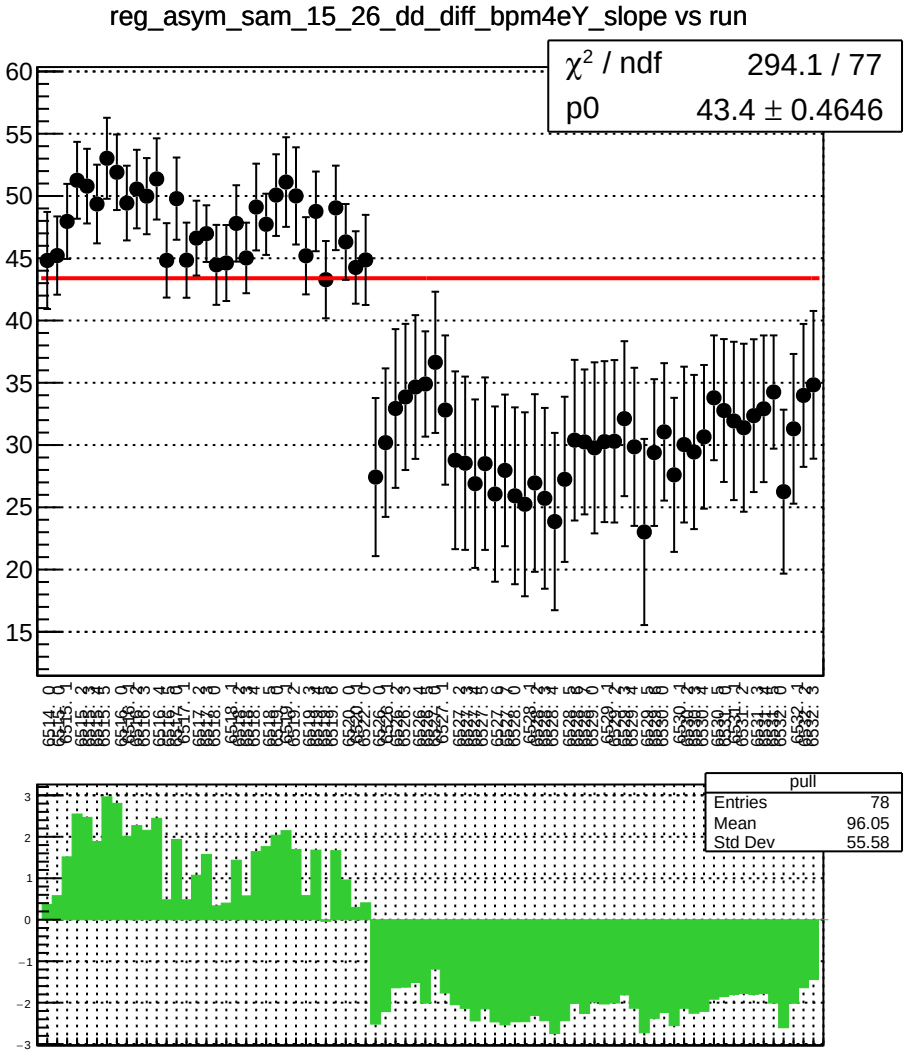

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 15.24 / 77
p0 3.066 ± 0.4112
pull
Entries 78
Mean 97.29
Std Dev 66.86

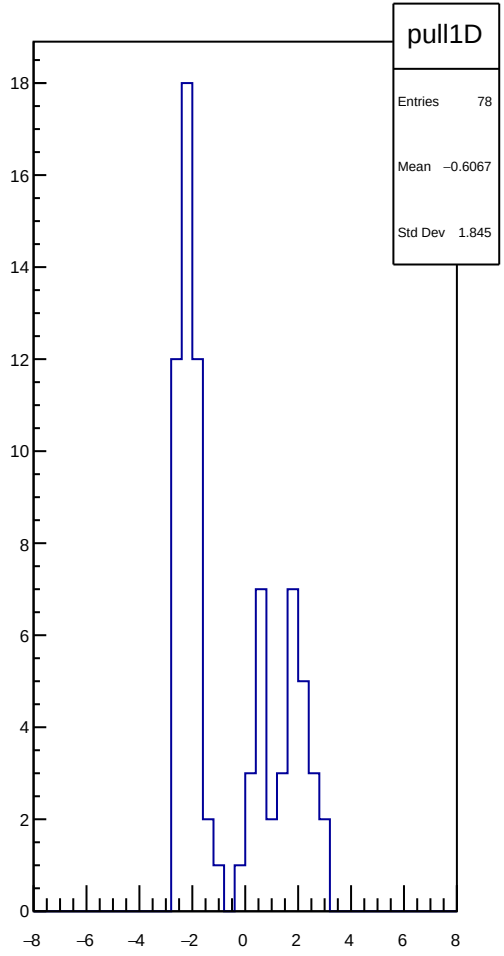

pull1D
Entries 78
Mean −0.01638
Std Dev 0.4417

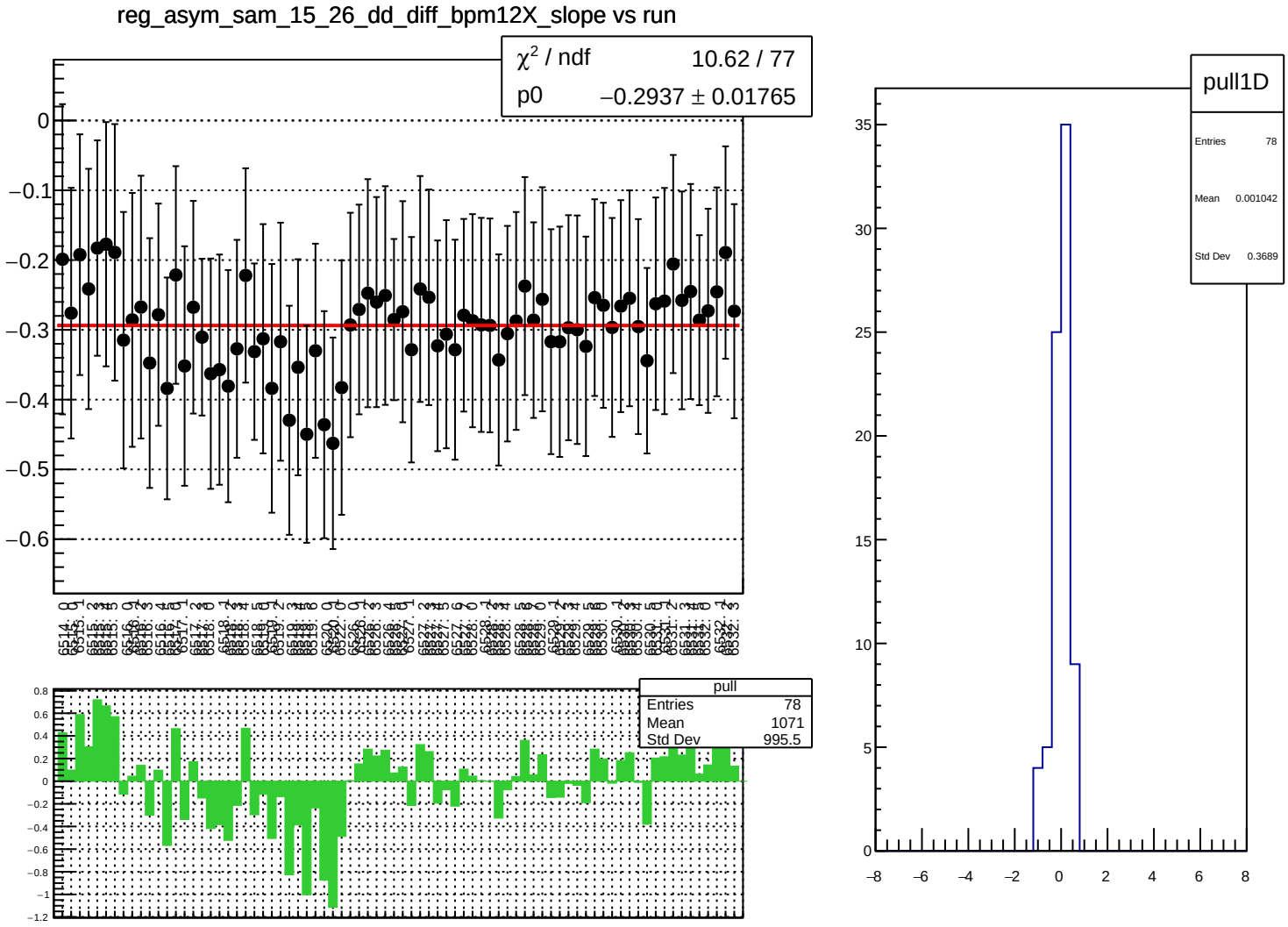

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 495.4 / 77
p0 2.241 ± 0.4042
pull
Entries 78
Mean 82.56
Std Dev 40.36
pull1D
Entries 78
Mean 1.026
Std Dev 2.302


reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.11 / 77
p0 30.77 ± 0.4458
pull
Entries 78
Mean 208.3
Std Dev 172.2

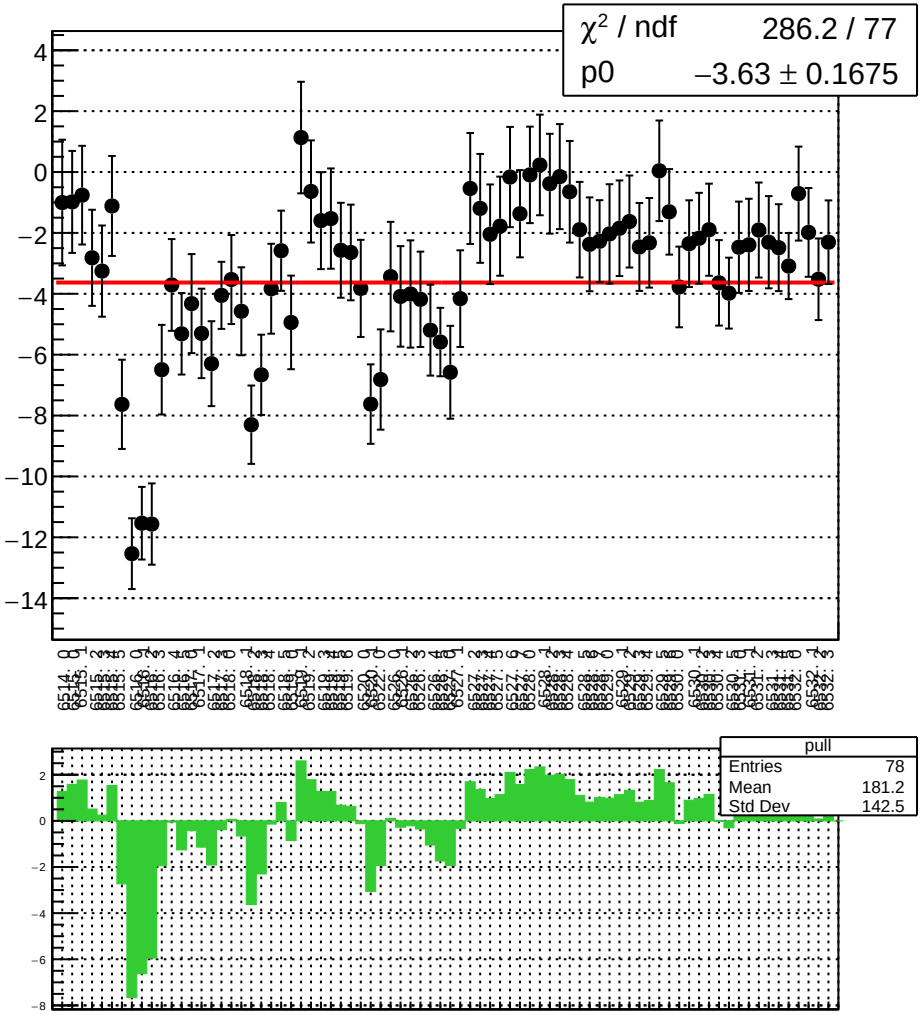

pull1D
Entries 78
Mean 0.01898
Std Dev 0.5557

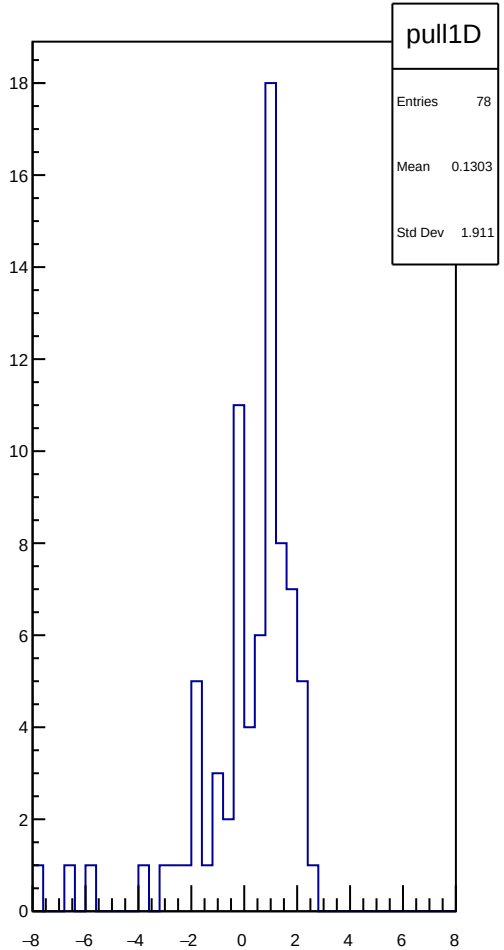

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 294.1 / 77
p0 43.4 ± 0.4646
pull
Entries 78
Mean 96.05
Std Dev 55.58

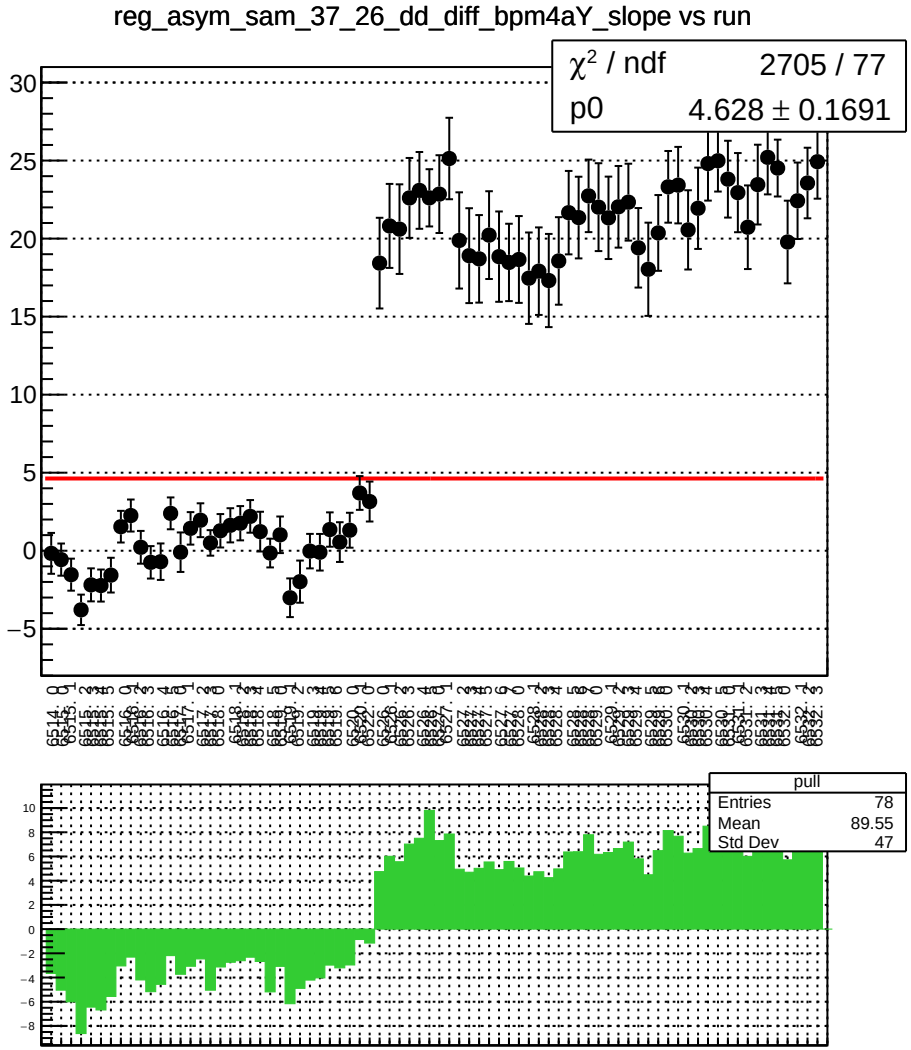

pull1D
Entries 78
Mean −0.6067
Std Dev 1.845

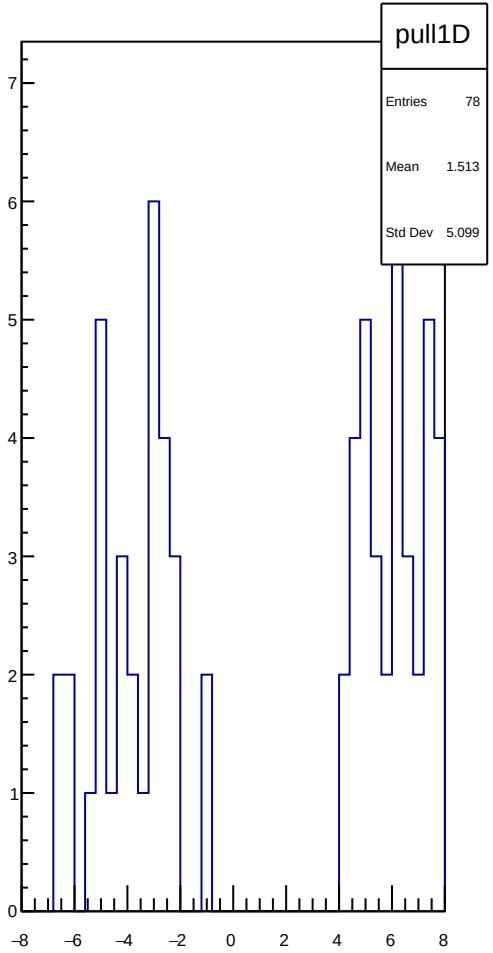

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.62 / 77
p0 −0.2937 ± 0.01765
pull
Entries 78
Mean 1071
Std Dev 995.5
pull1D
Entries 78
Mean 0.001042
Std Dev 0.3689

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run

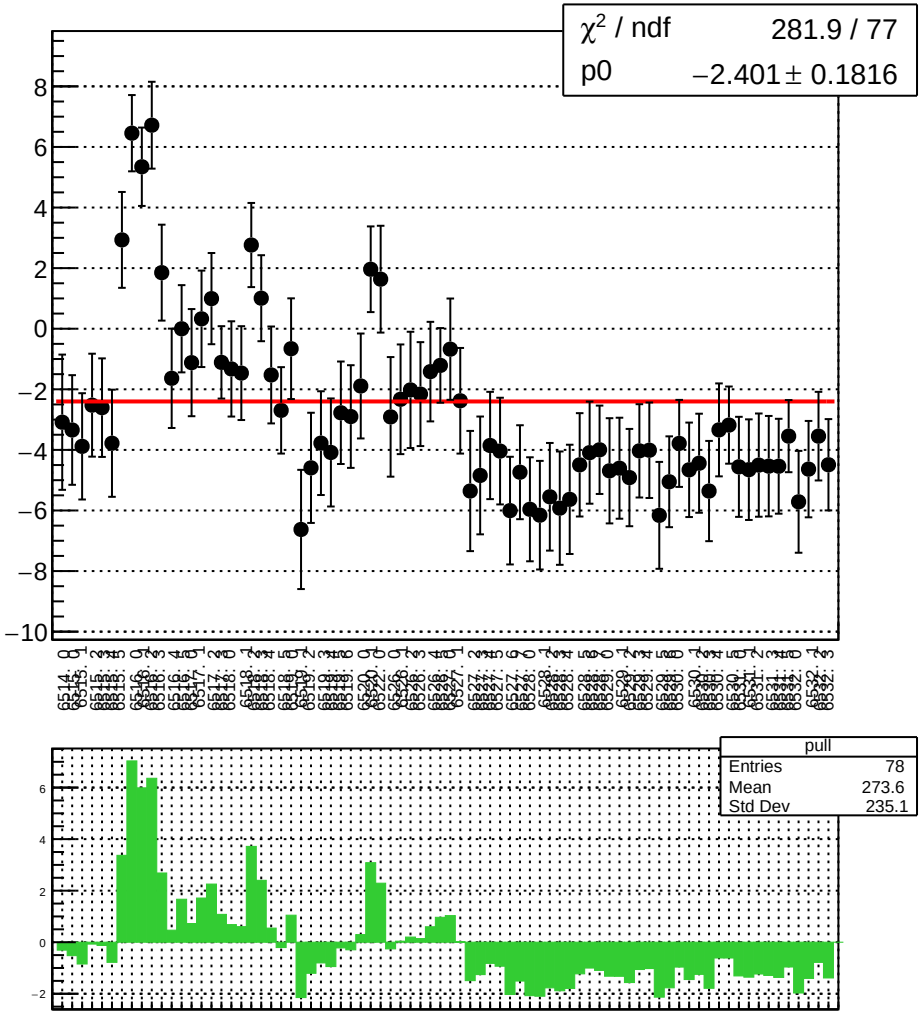


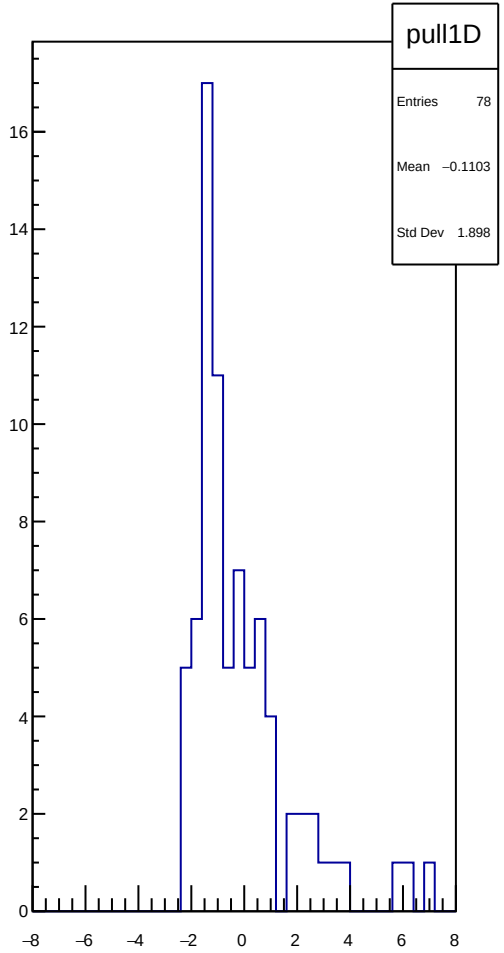


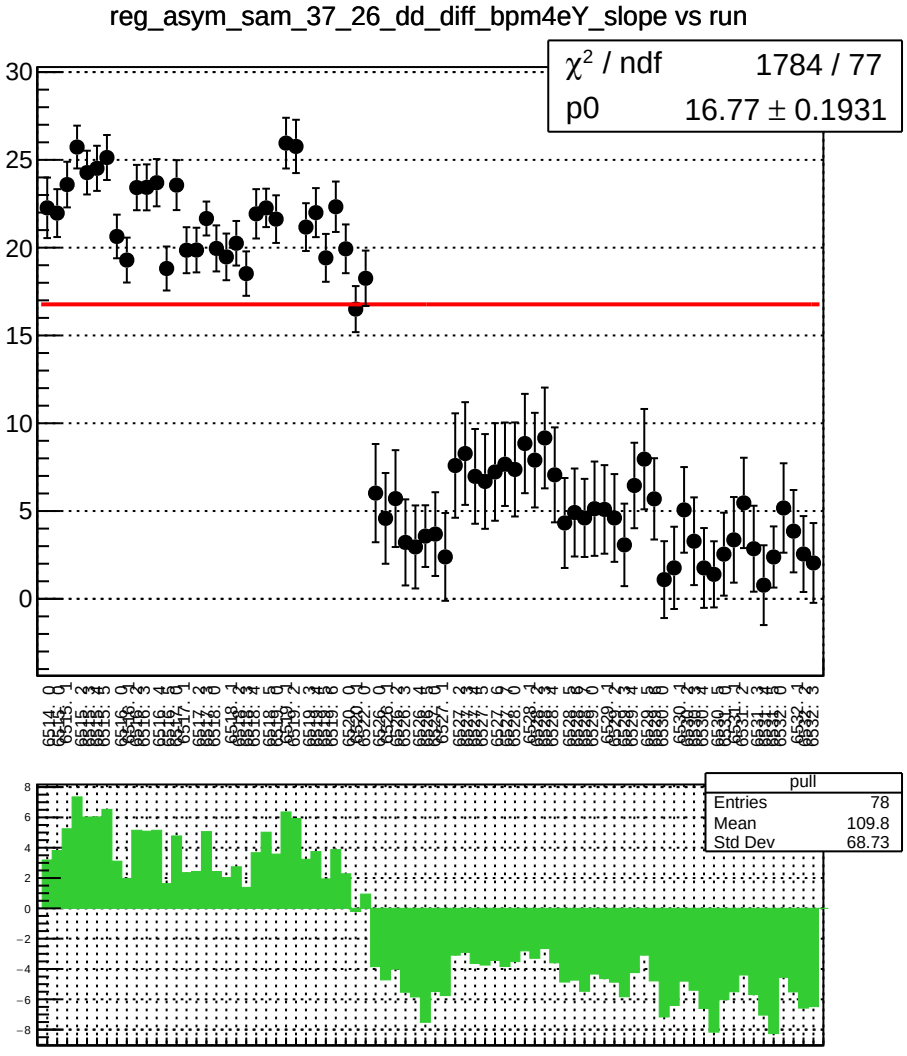

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2705 / 77
p0 4.628 ± 0.1691
pull
Entries 78
Mean 89.55
Std Dev 47

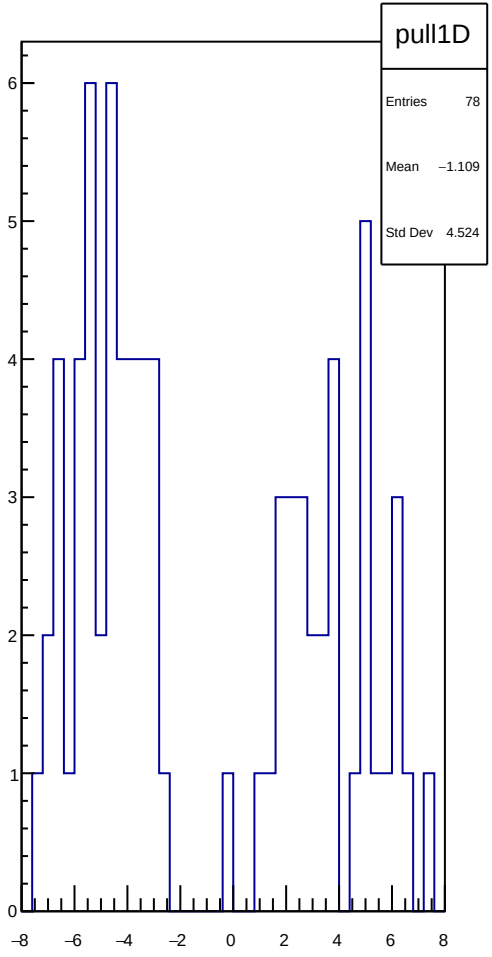

pull1D
Entries 78
Mean 1.513
Std Dev 5.099

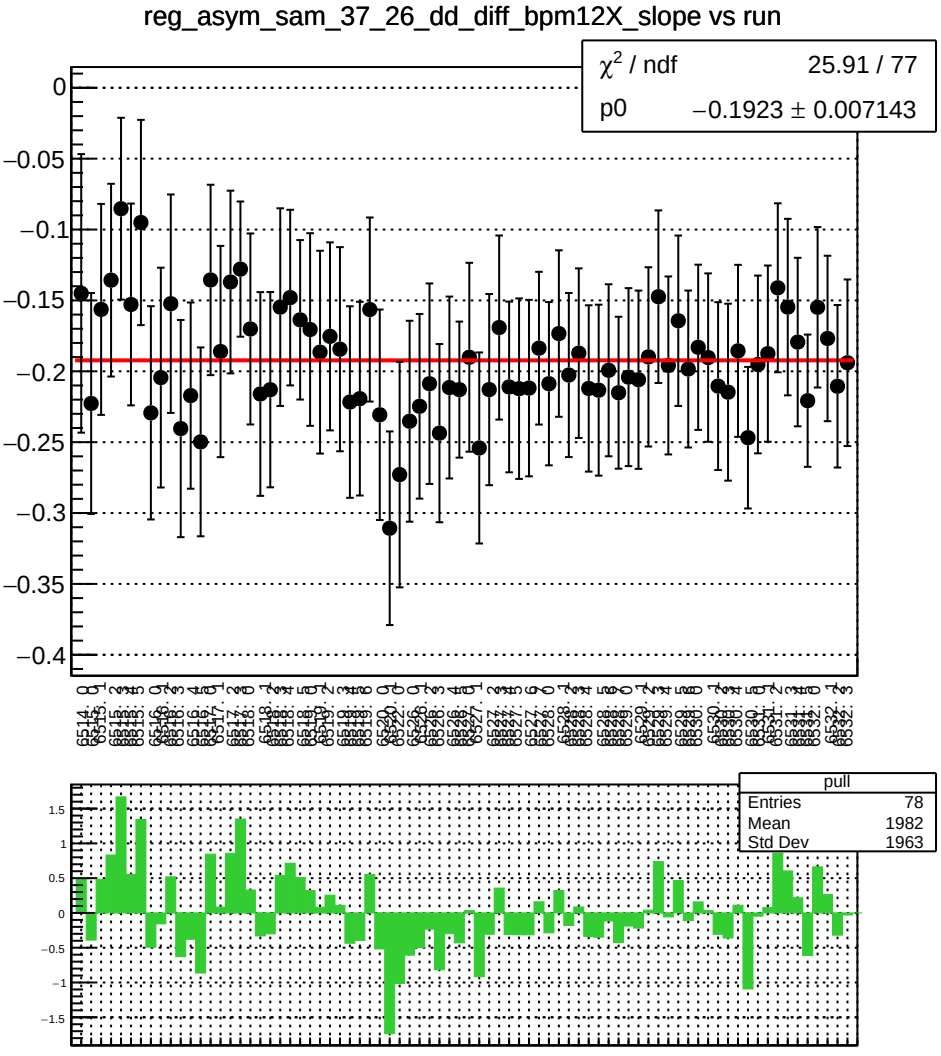
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run

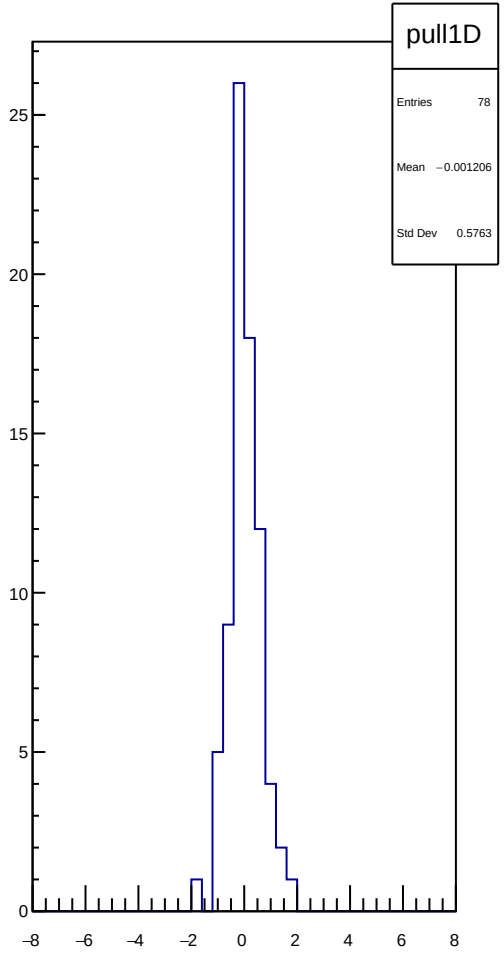


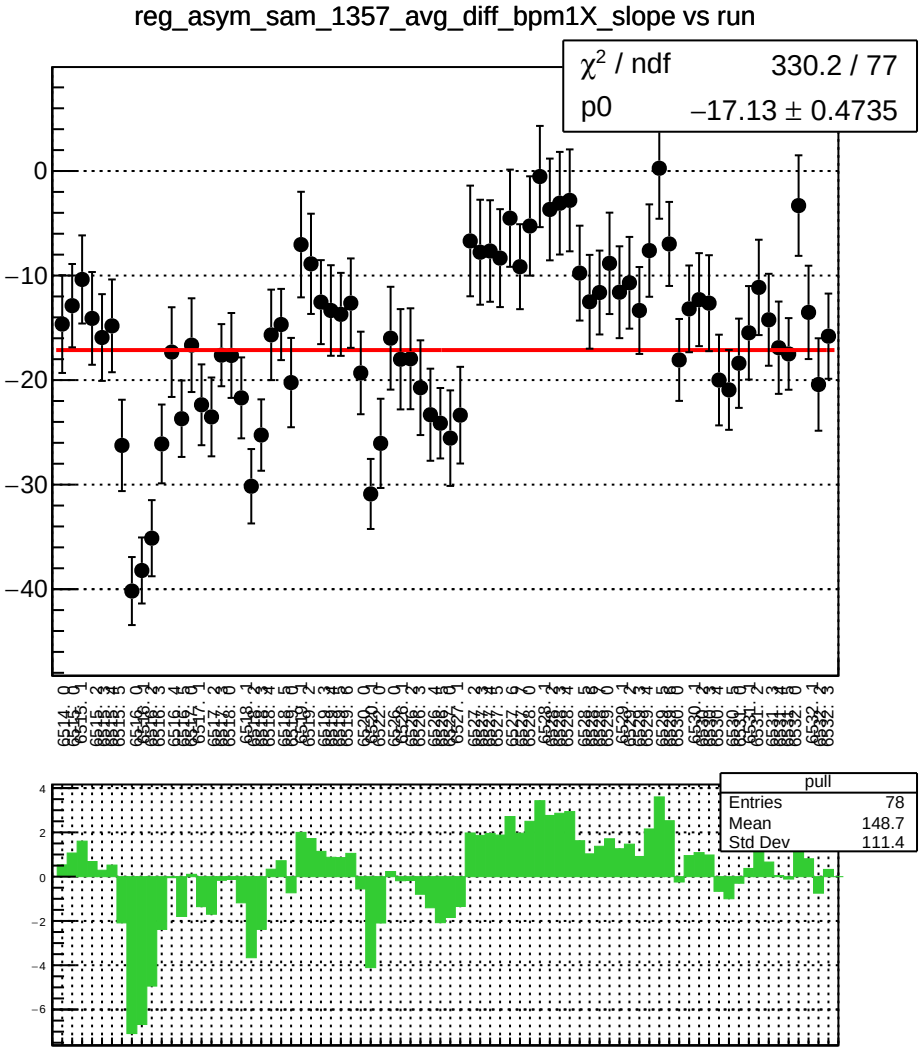


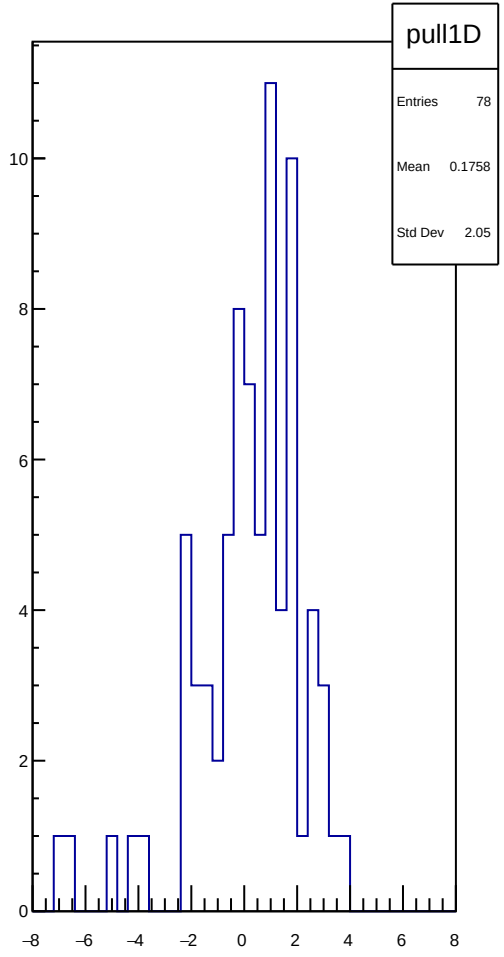

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 1784 / 77
p0 16.77 ± 0.1931
pull
Entries 78
Mean 109.8
Std Dev 68.73


pull1D
Entries 78
Mean −1.109
Std Dev 4.524

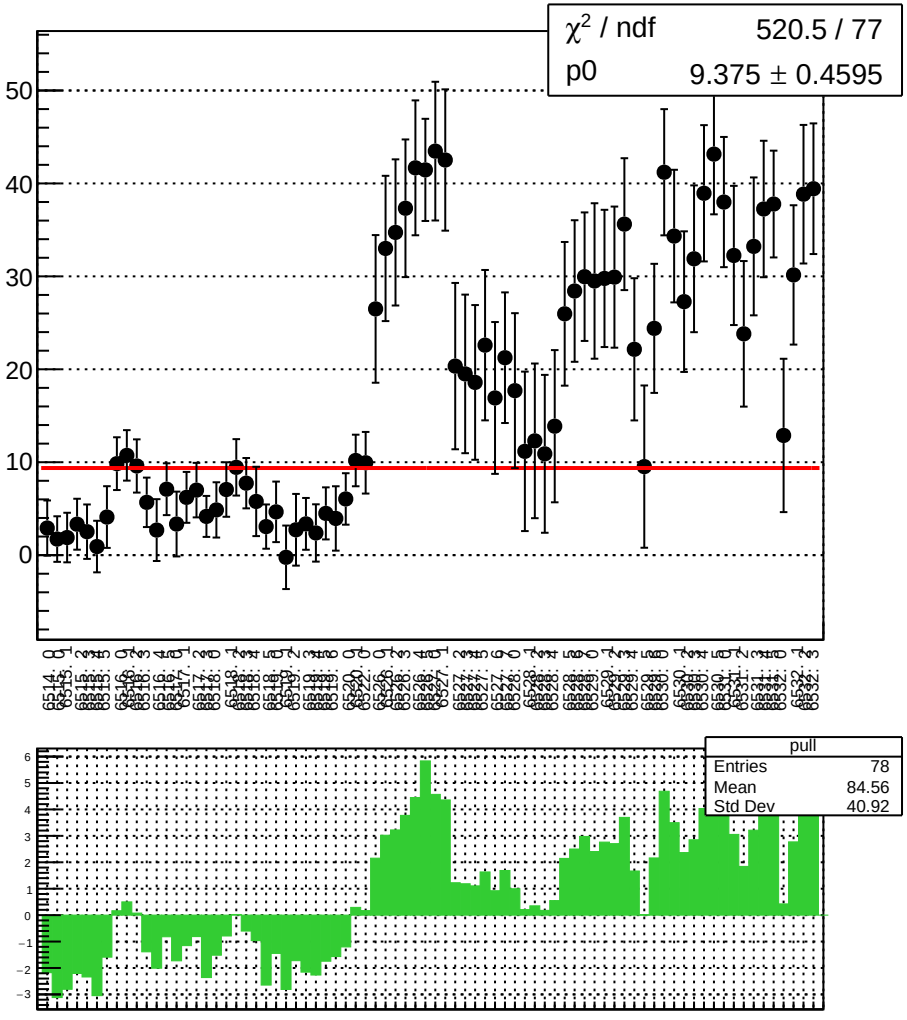

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 25.91 / 77
p0 −0.1923 ± 0.007143
pull
Entries 78
Mean 1982
Std Dev 1963

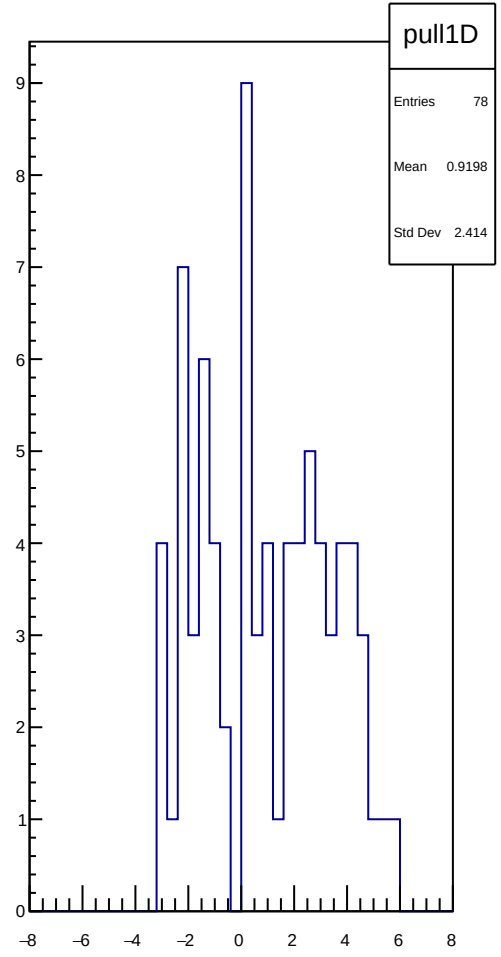

pull1D
Entries 78
Mean −0.001206
Std Dev 0.5763

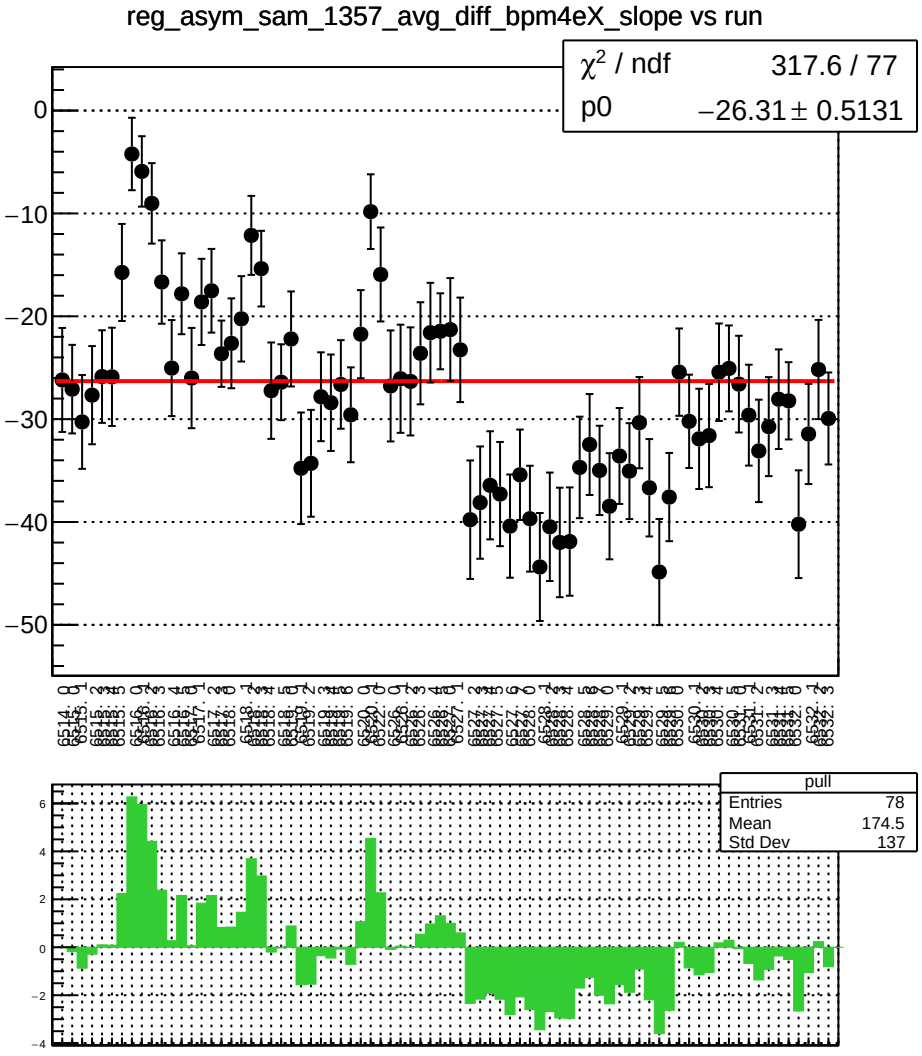

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 330.2 / 77
p0 −17.13 ± 0.4735
pull
Entries 78
Mean 148.7
Std Dev 111.4

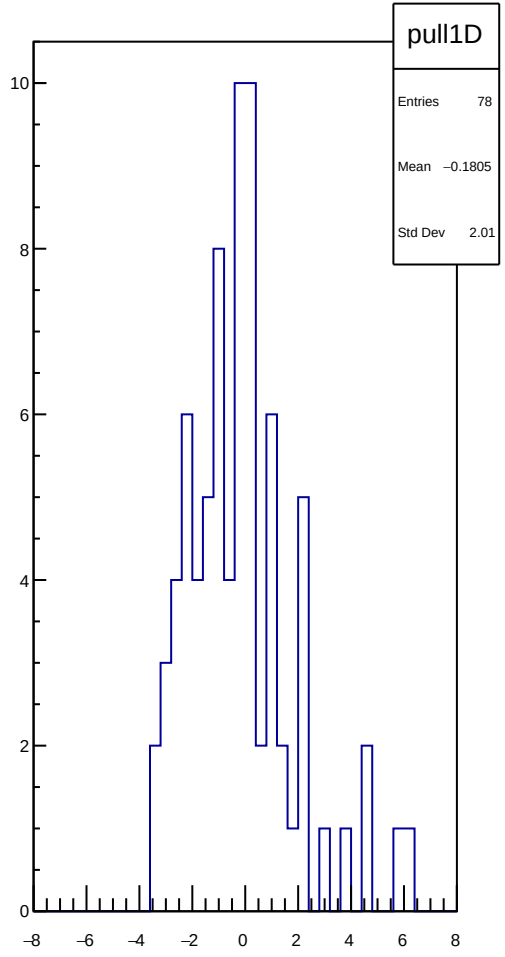

pull1D
Entries 78
Mean 0.1758
Std Dev 2.05

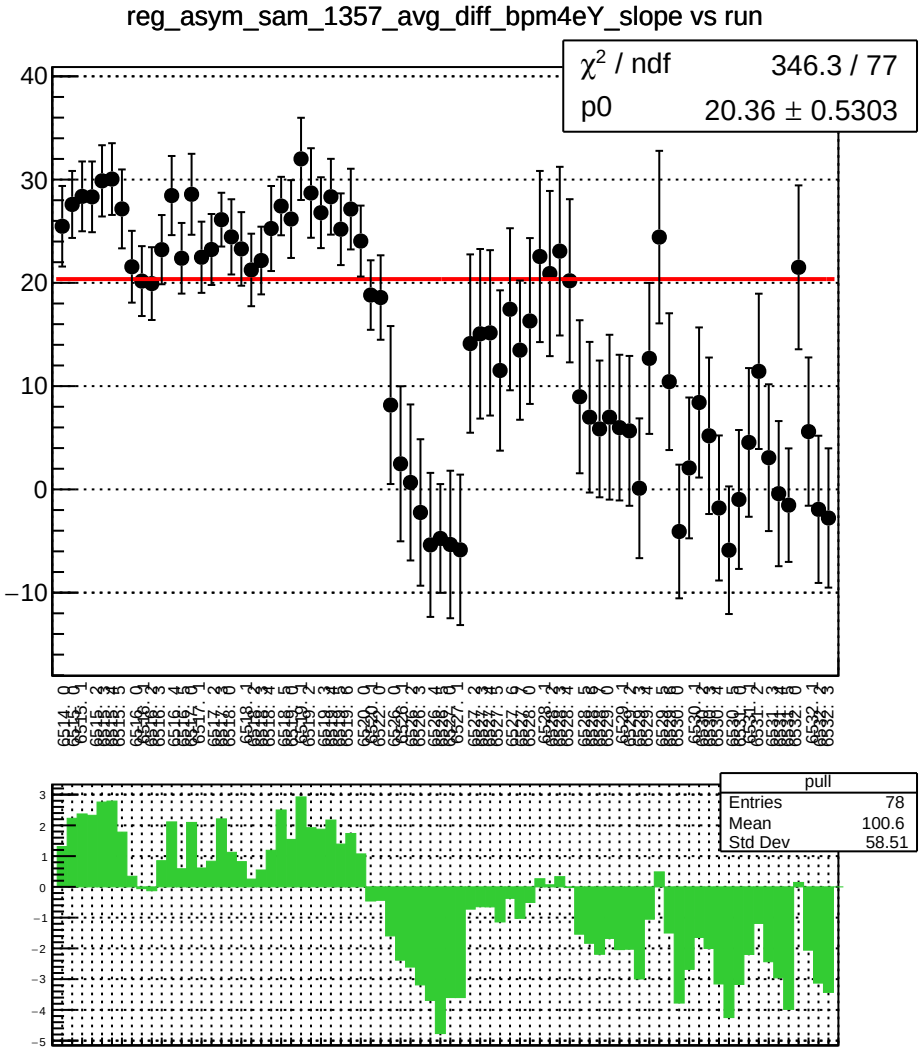
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run

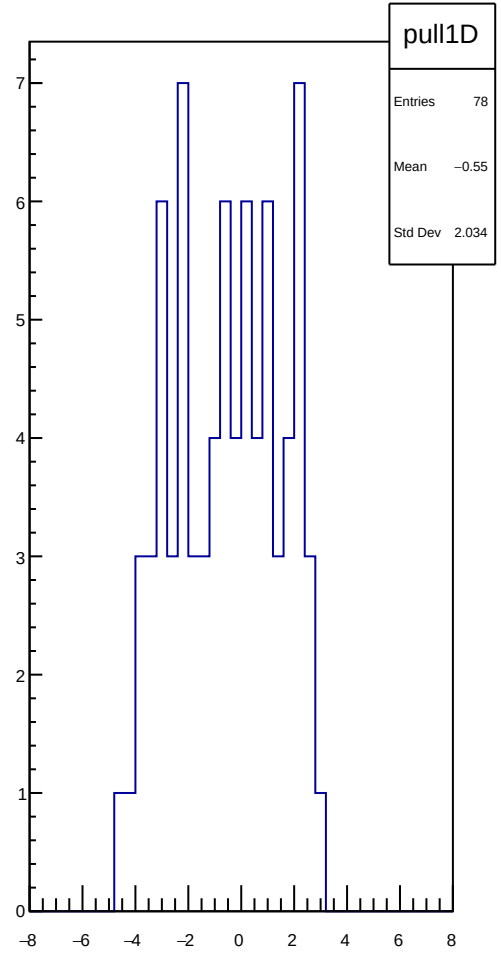


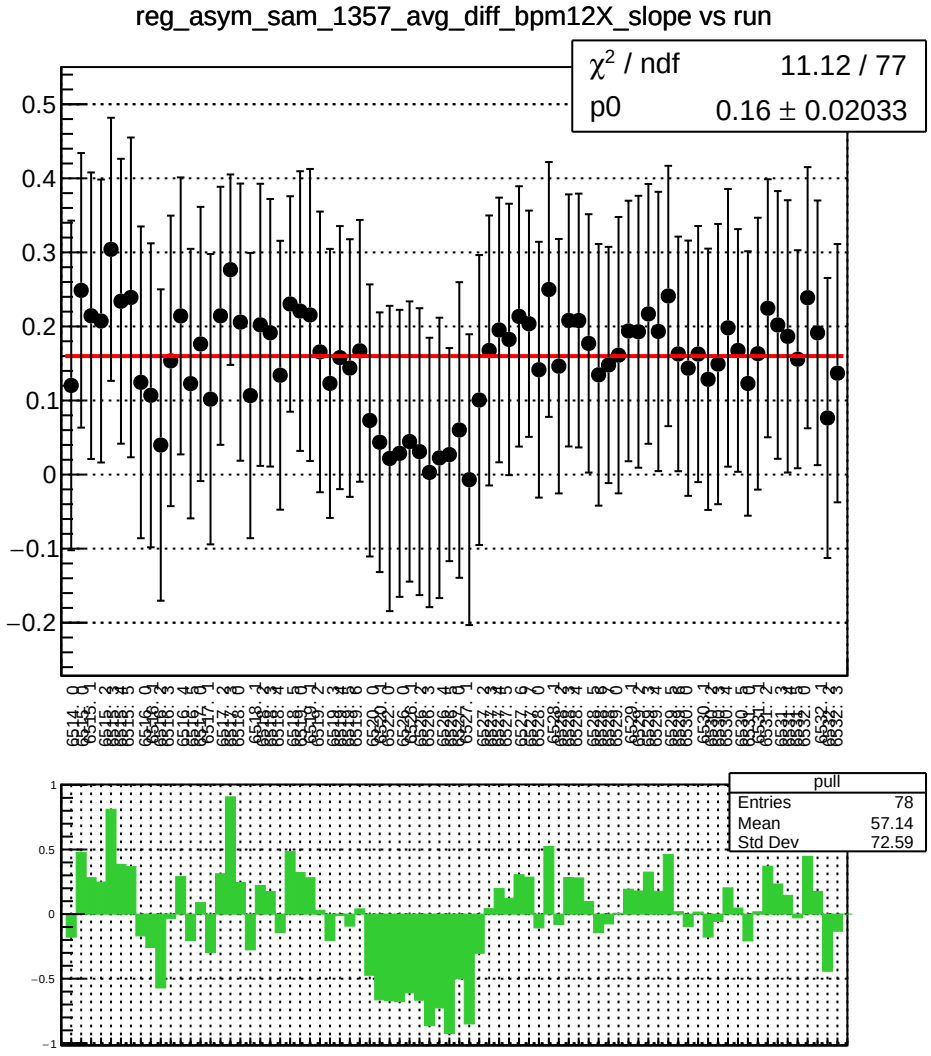


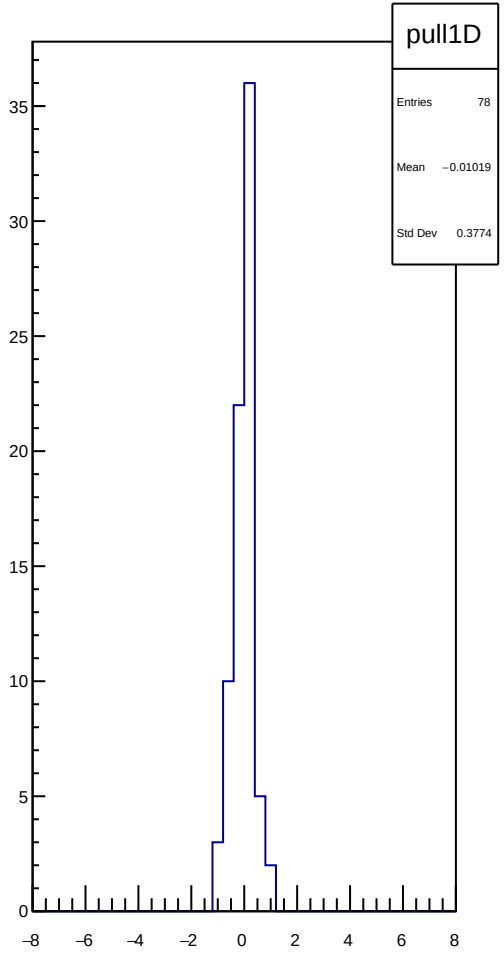

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 317.6 / 77
p0 −26.31 ± 0.5131
pull
Entries 78
Mean 174.5
Std Dev 137

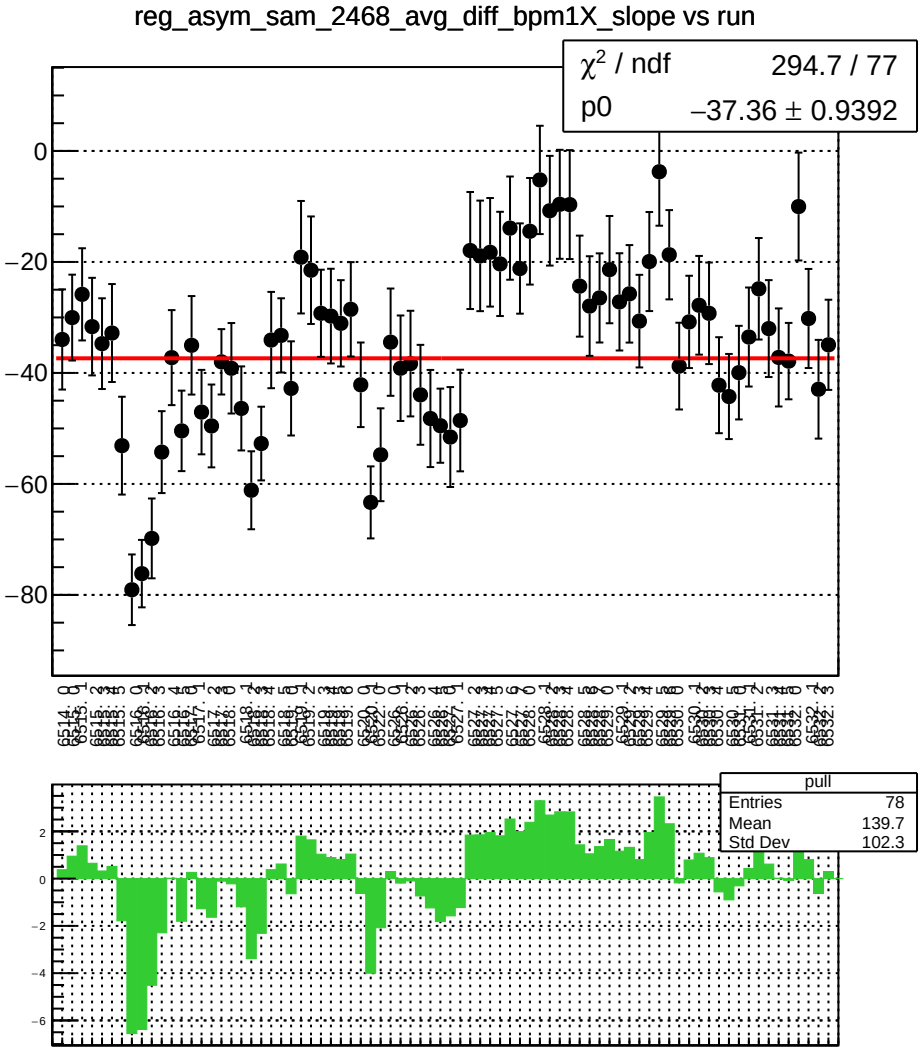

pull1D
Entries 78
Mean −0.1805
Std Dev 2.01

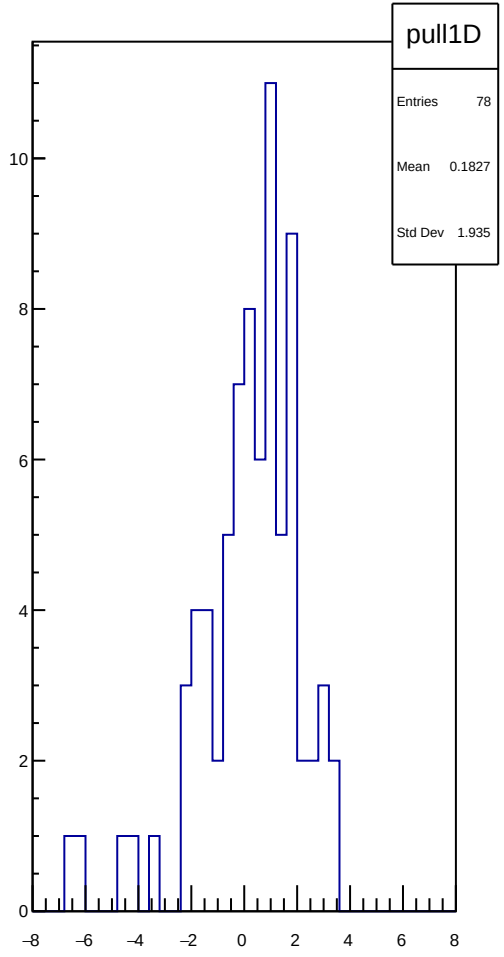

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 346.3 / 77
p0 20.36 ± 0.5303
pull
Entries 78
Mean 100.6
Std Dev 58.51


pull1D
Entries 78
Mean −0.55
Std Dev 2.034

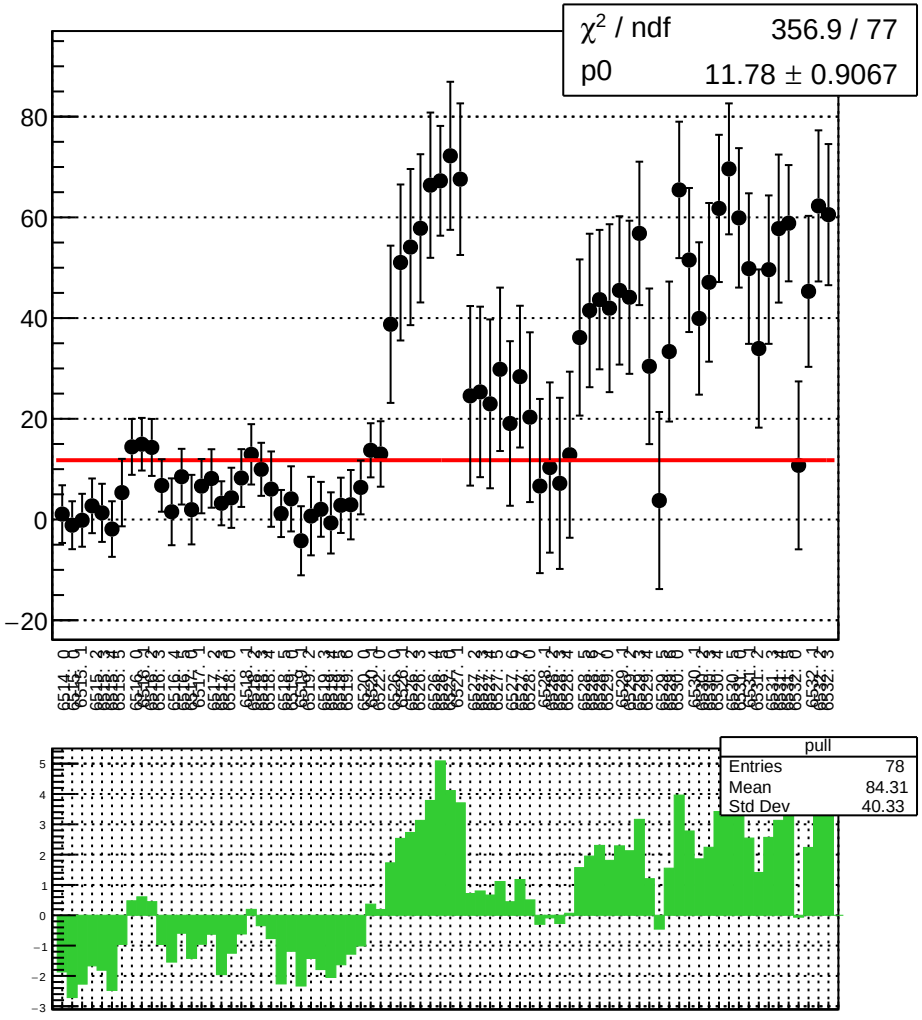

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 11.12 / 77
p0 0.16 ± 0.02033
pull
Entries 78
Mean 57.14
Std Dev 72.59

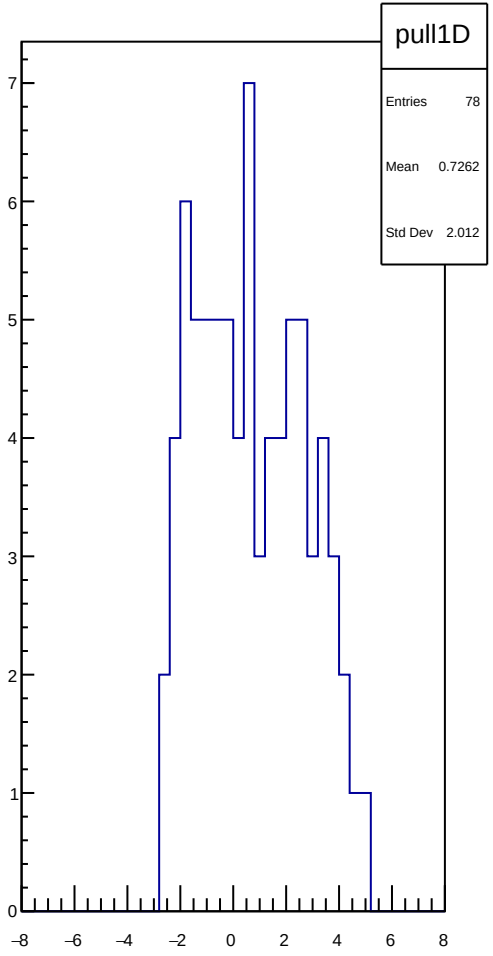

pull1D
Entries 78
Mean −0.01019
Std Dev 0.3774

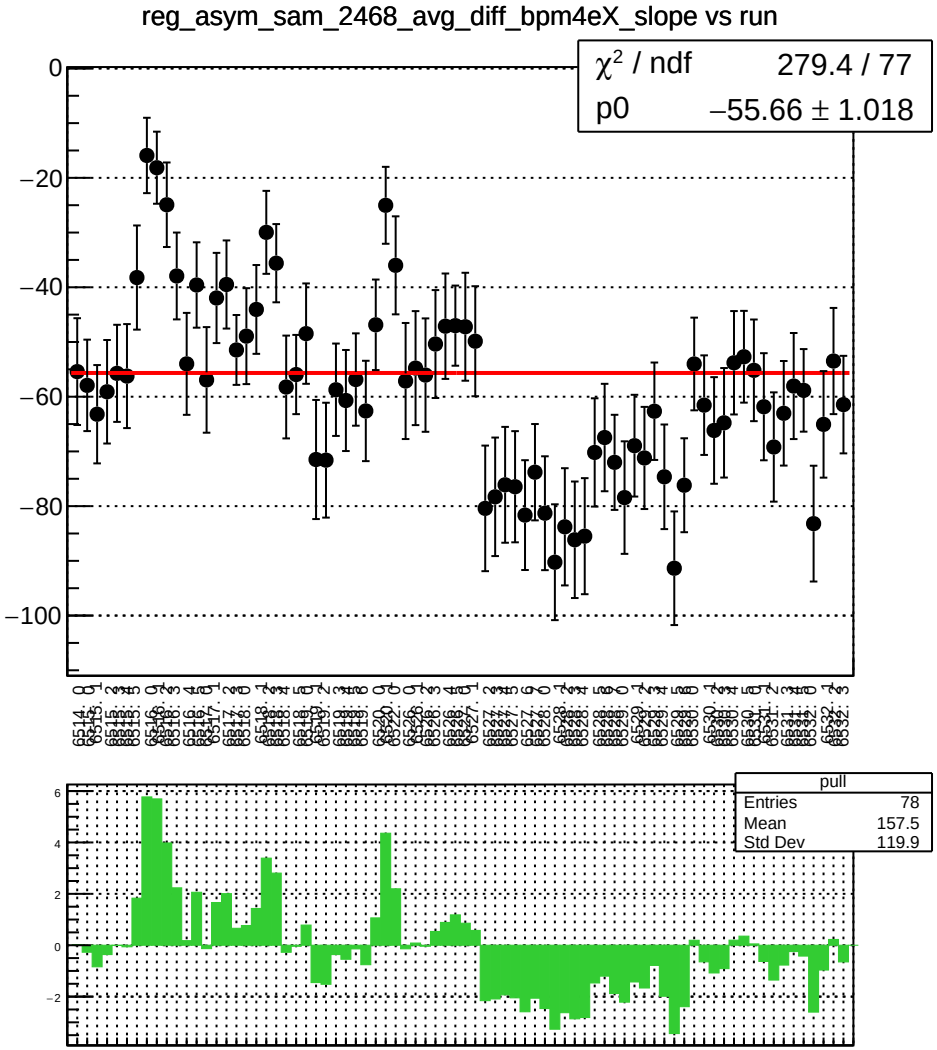

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 294.7 / 77
p0 −37.36 ± 0.9392
pull
Entries 78
Mean 139.7
Std Dev 102.3

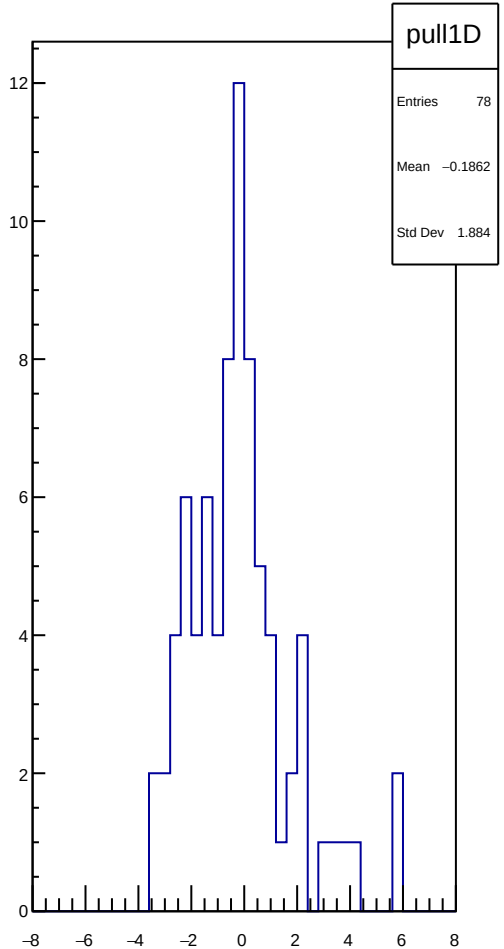

pull1D
Entries 78
Mean 0.1827
Std Dev 1.935

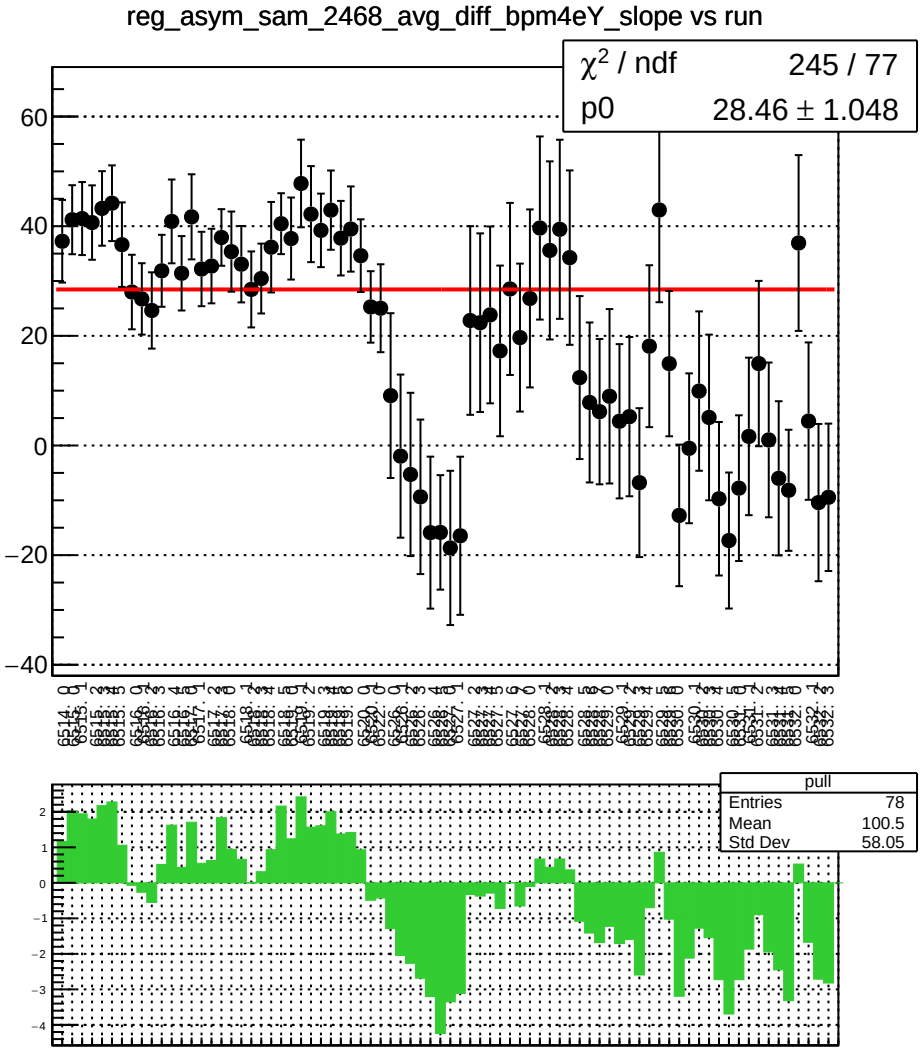
reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run

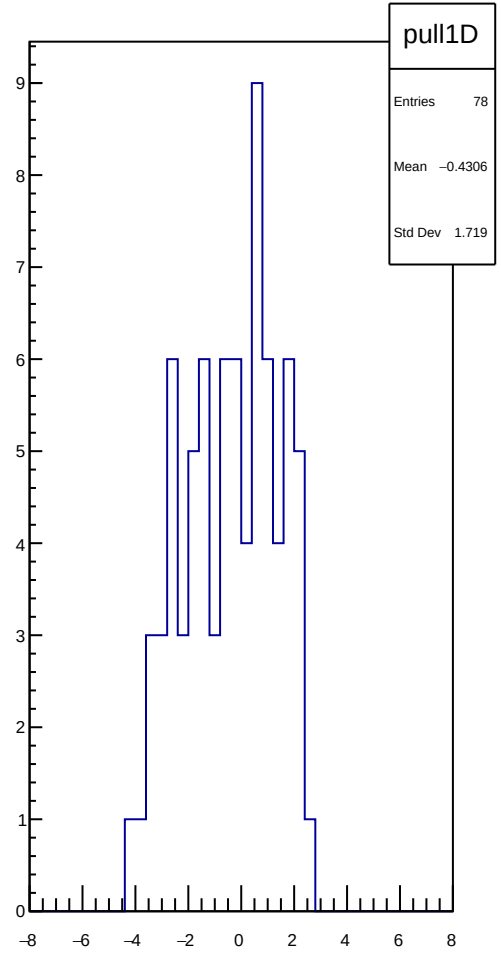


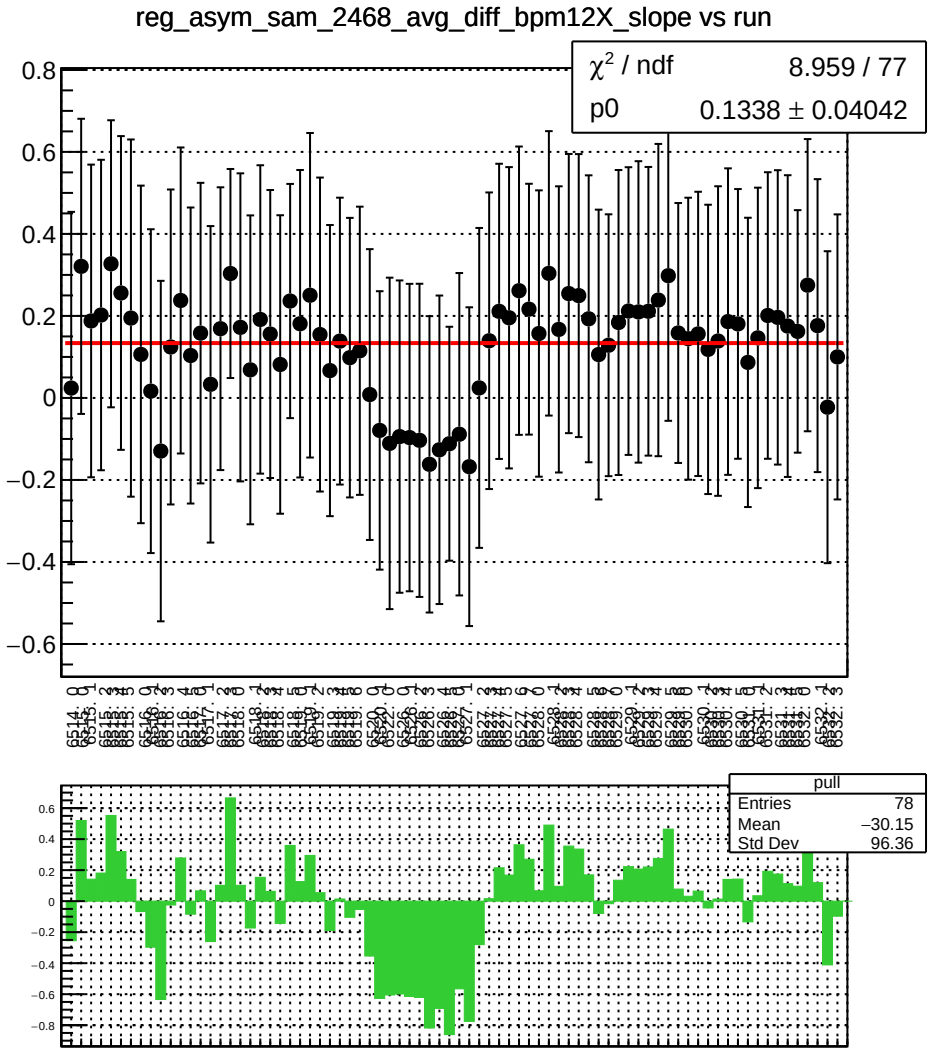


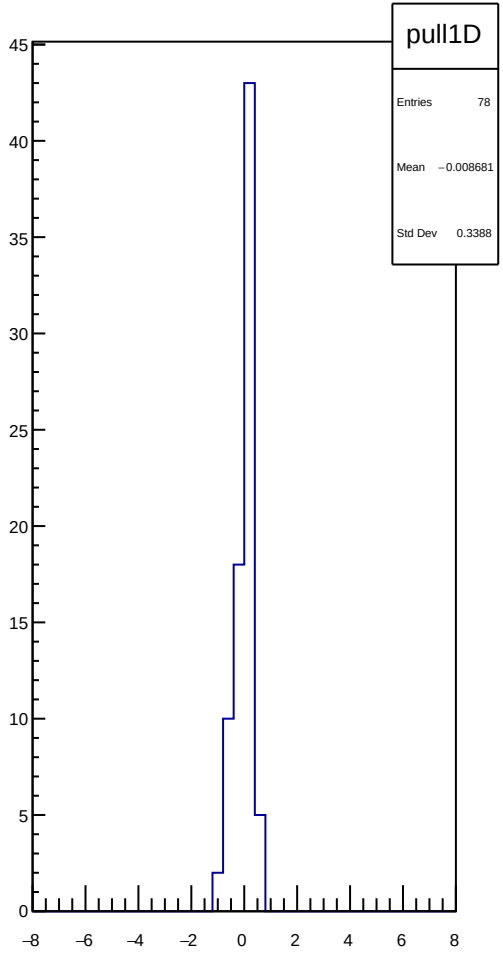

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 279.4 / 77
p0 −55.66 ± 1.018
pull
Entries 78
Mean 157.5
Std Dev 119.9


pull1D
Entries 78
Mean −0.1862
Std Dev 1.884

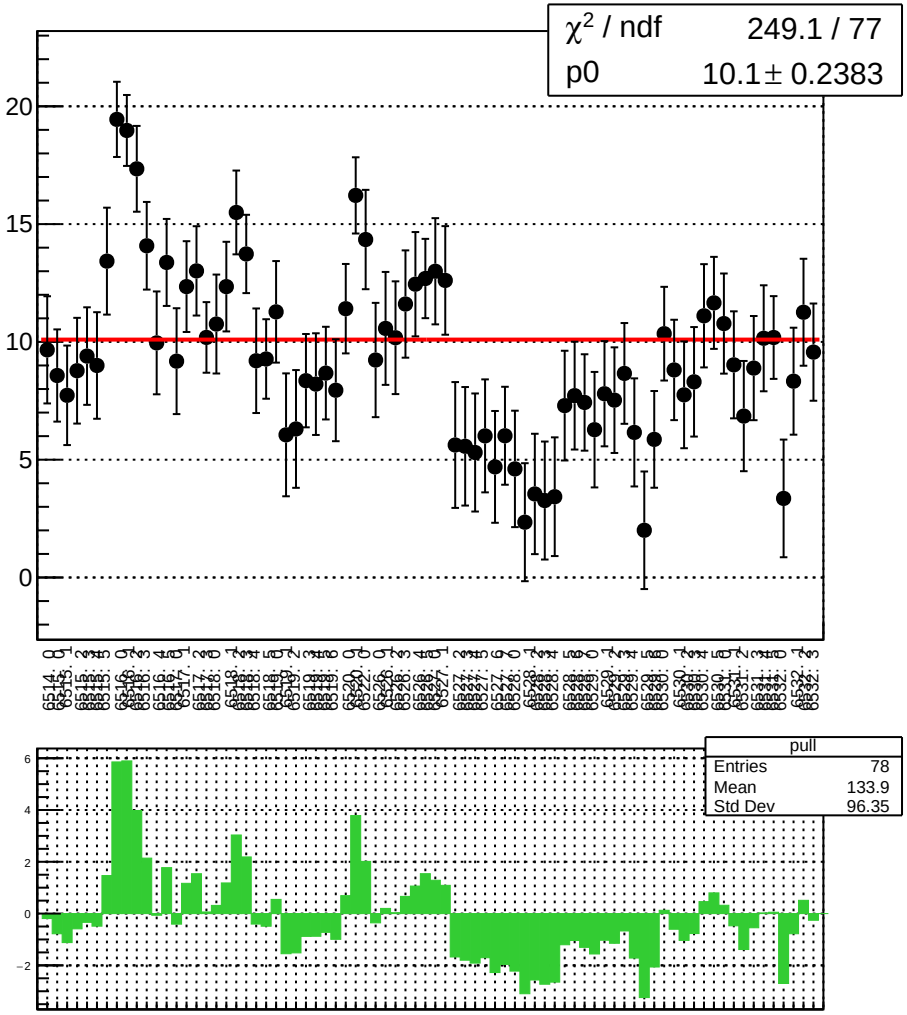

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 245 / 77
p0 28.46 ± 1.048
pull
Entries 78
Mean 100.5
Std Dev 58.05

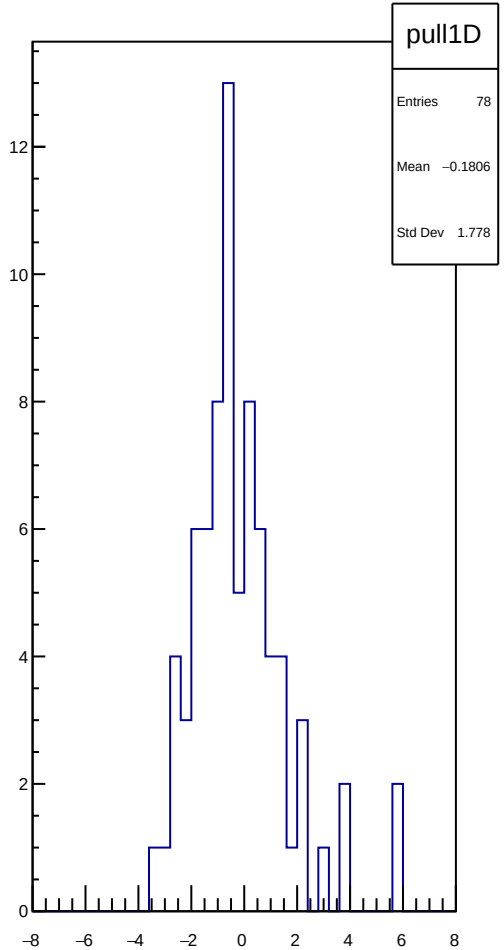

pull1D
Entries 78
Mean −0.4306
Std Dev 1.719


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.959 / 77
p0 0.1338 ± 0.04042
pull
Entries 78
Mean −30.15
Std Dev 96.36

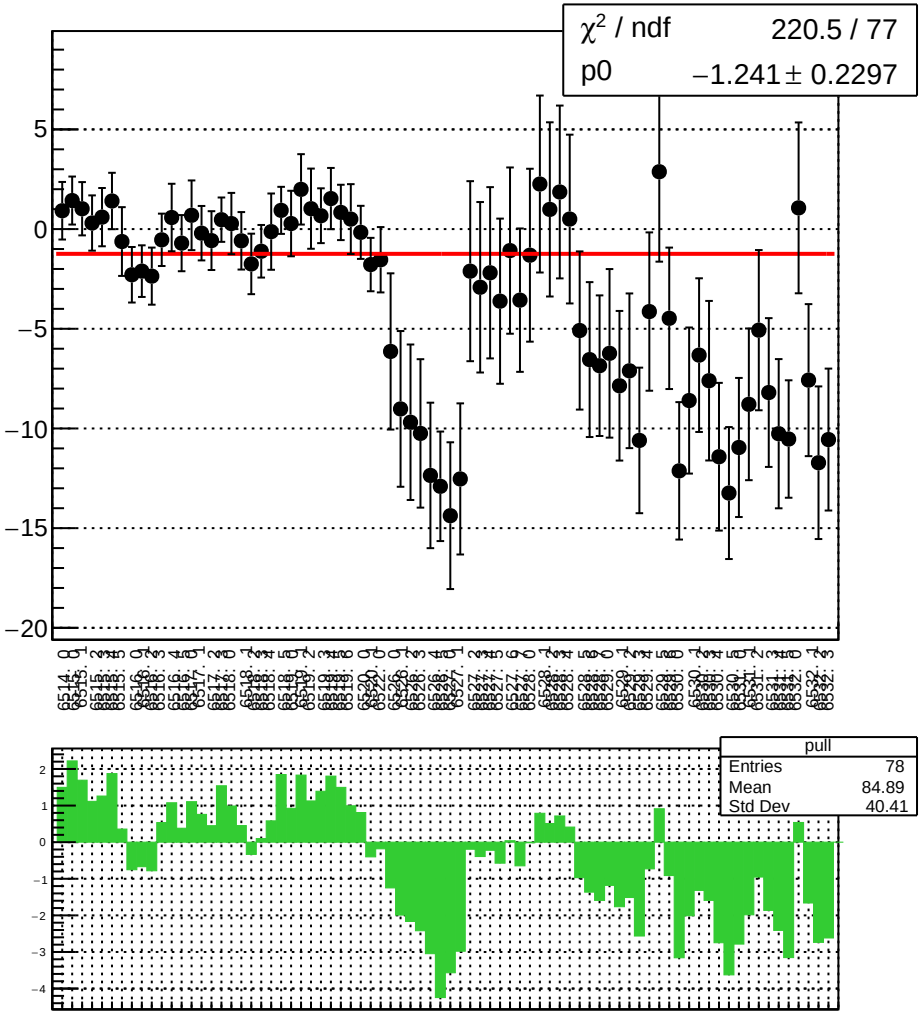

pull1D
Entries 78
Mean −0.008681
Std Dev 0.3388

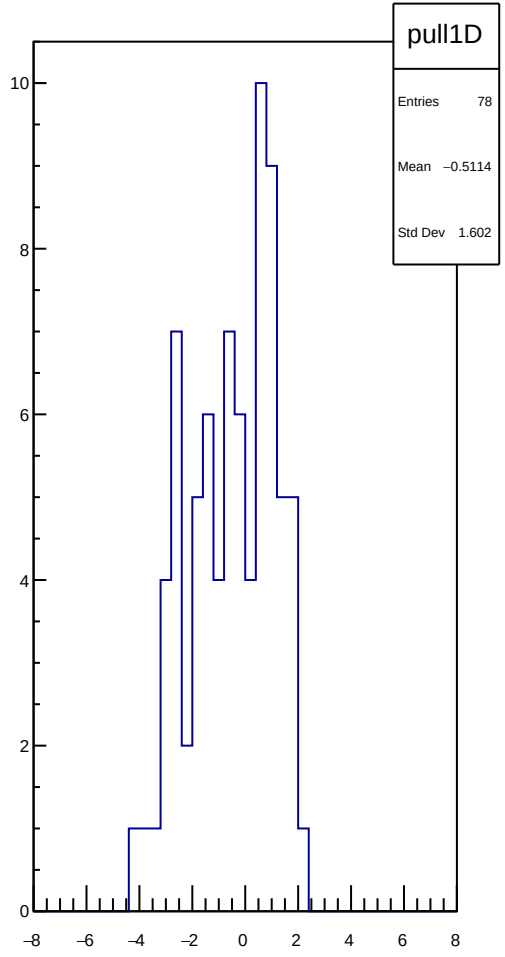
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run



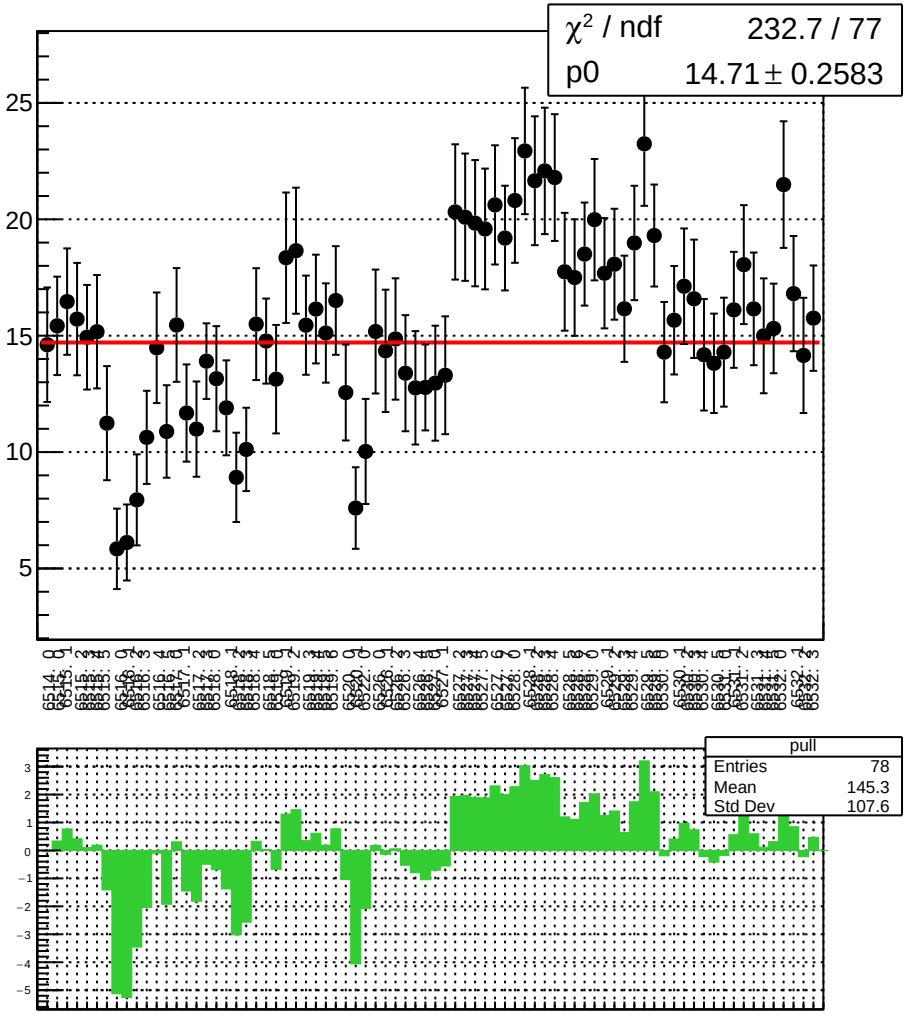


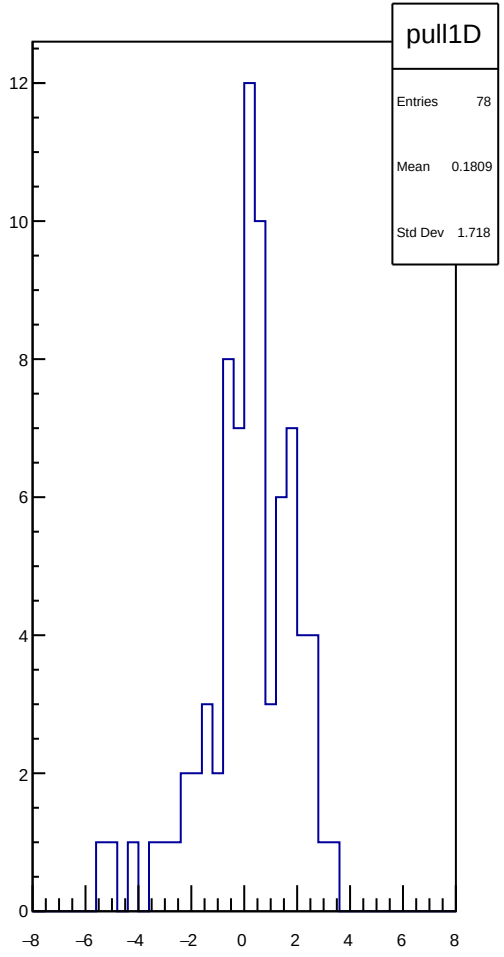
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run



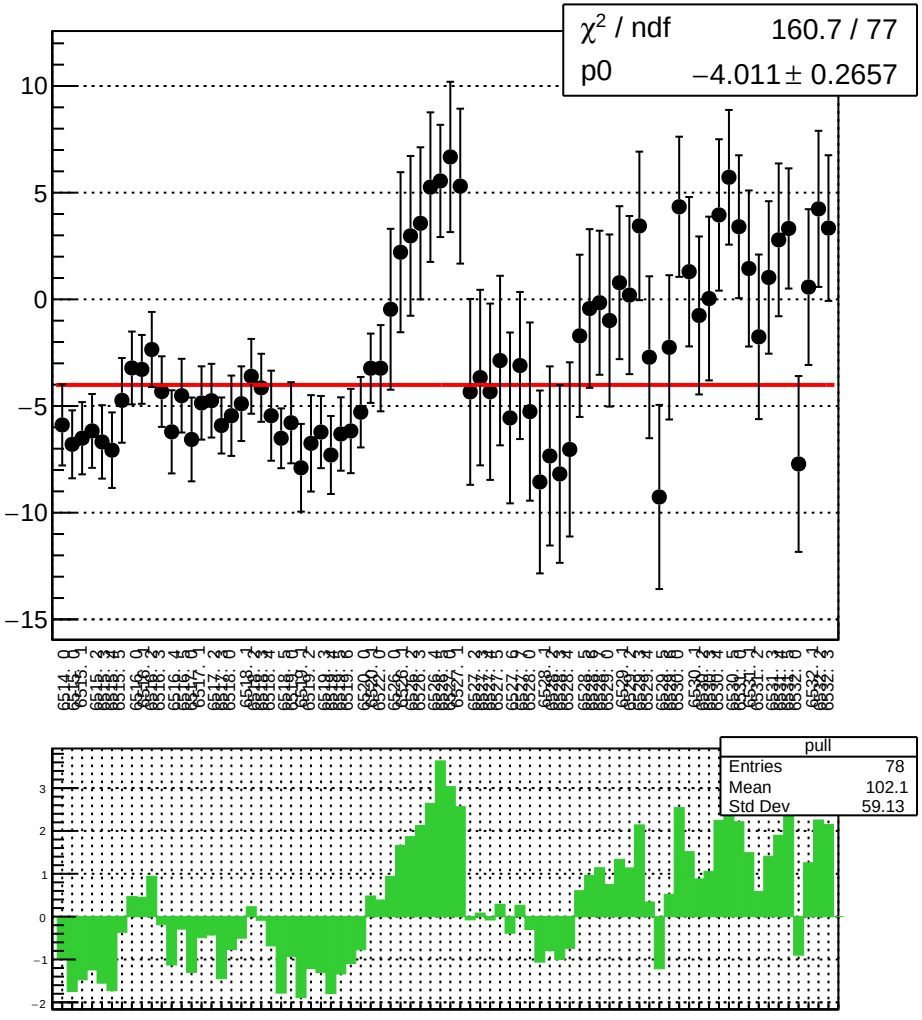


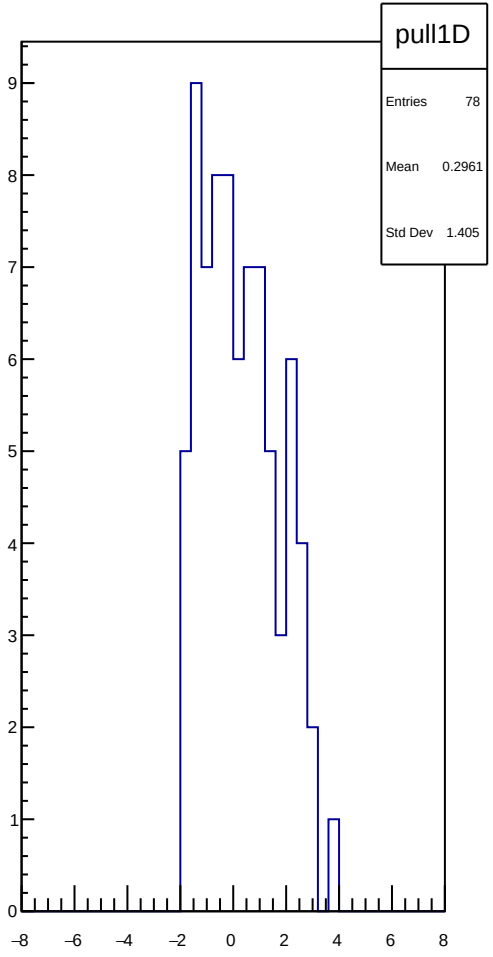
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

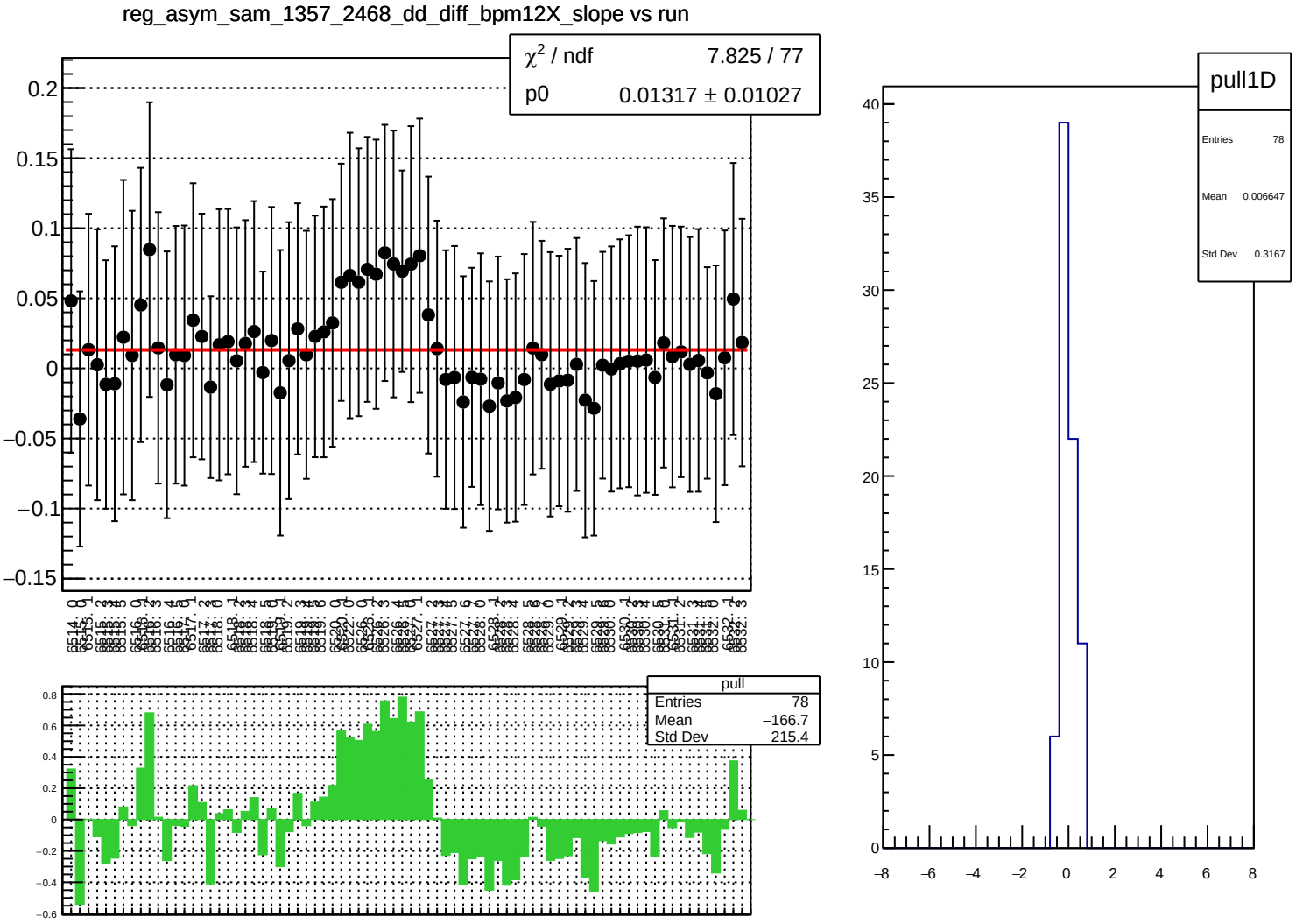




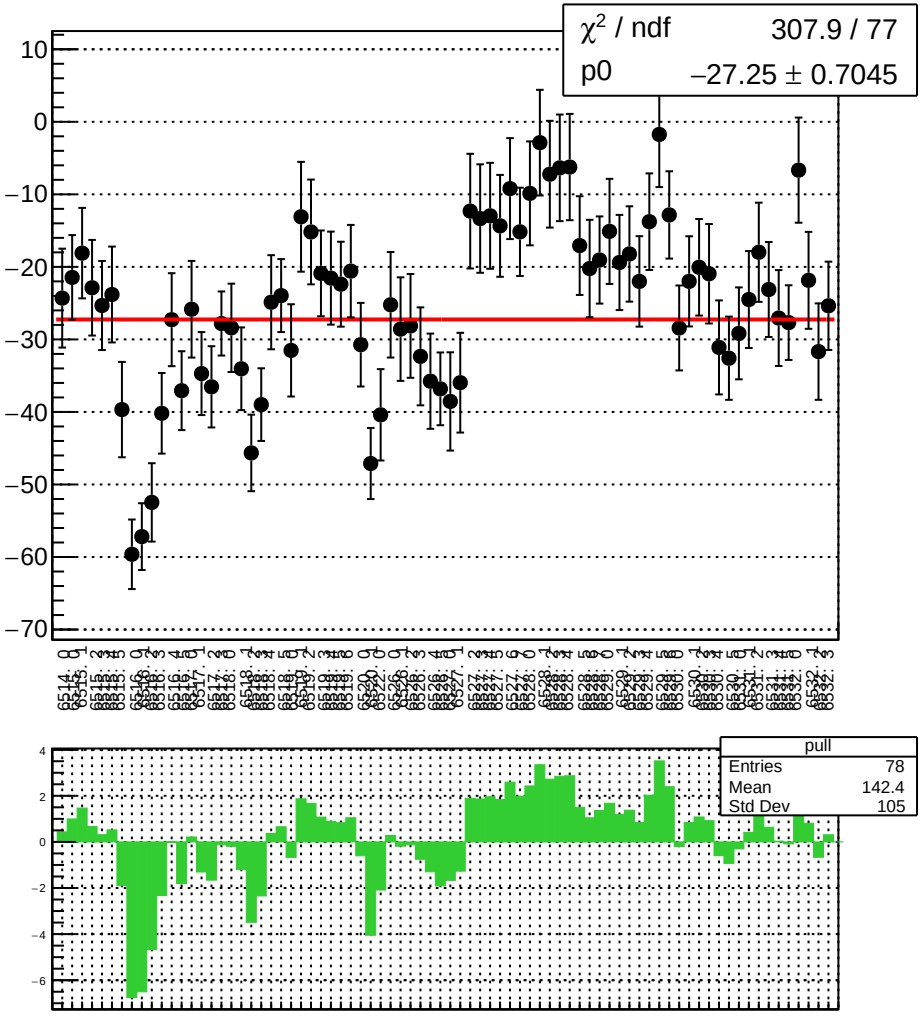
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

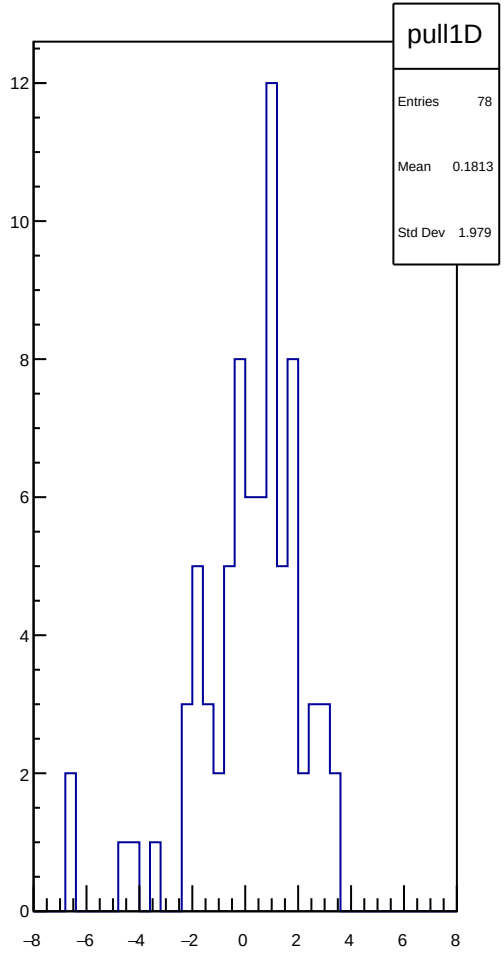




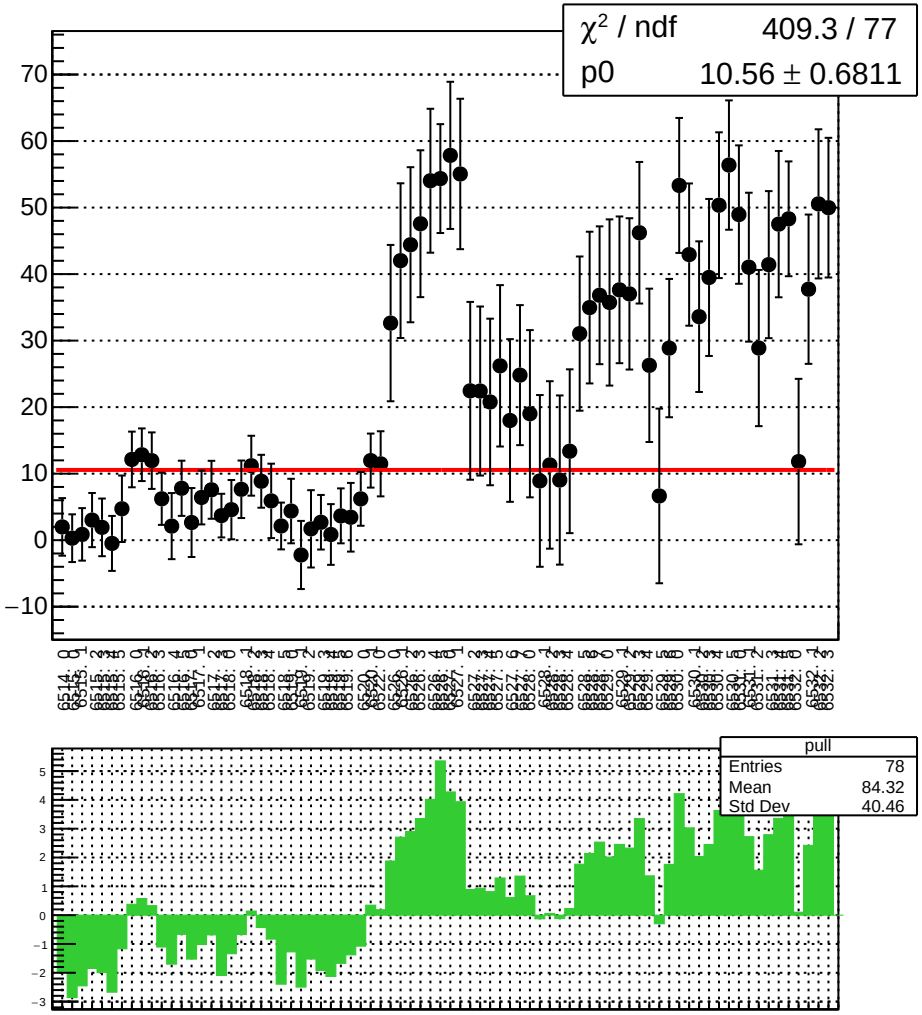

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 7.825 / 77
p0 0.01317 ± 0.01027
pull
Entries 78
Mean −166.7
Std Dev 215.4
pull1D
Entries 78
Mean 0.006647
Std Dev 0.3167

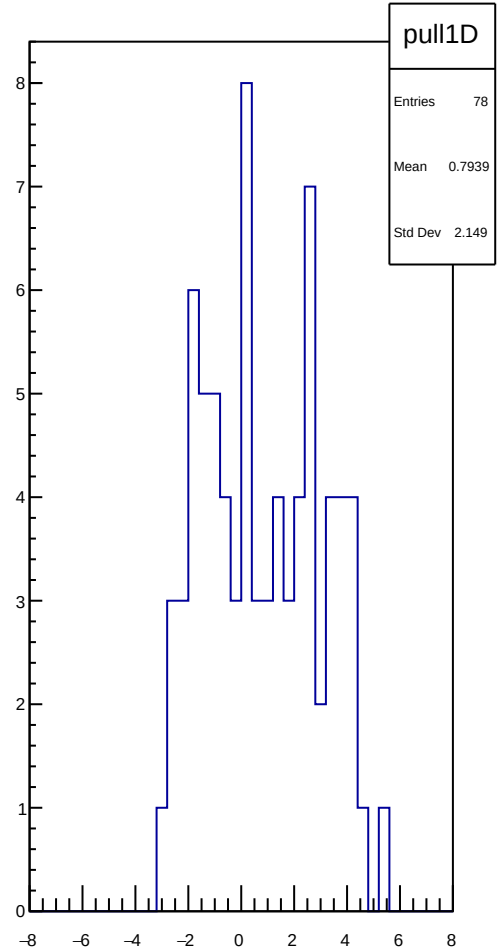
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run



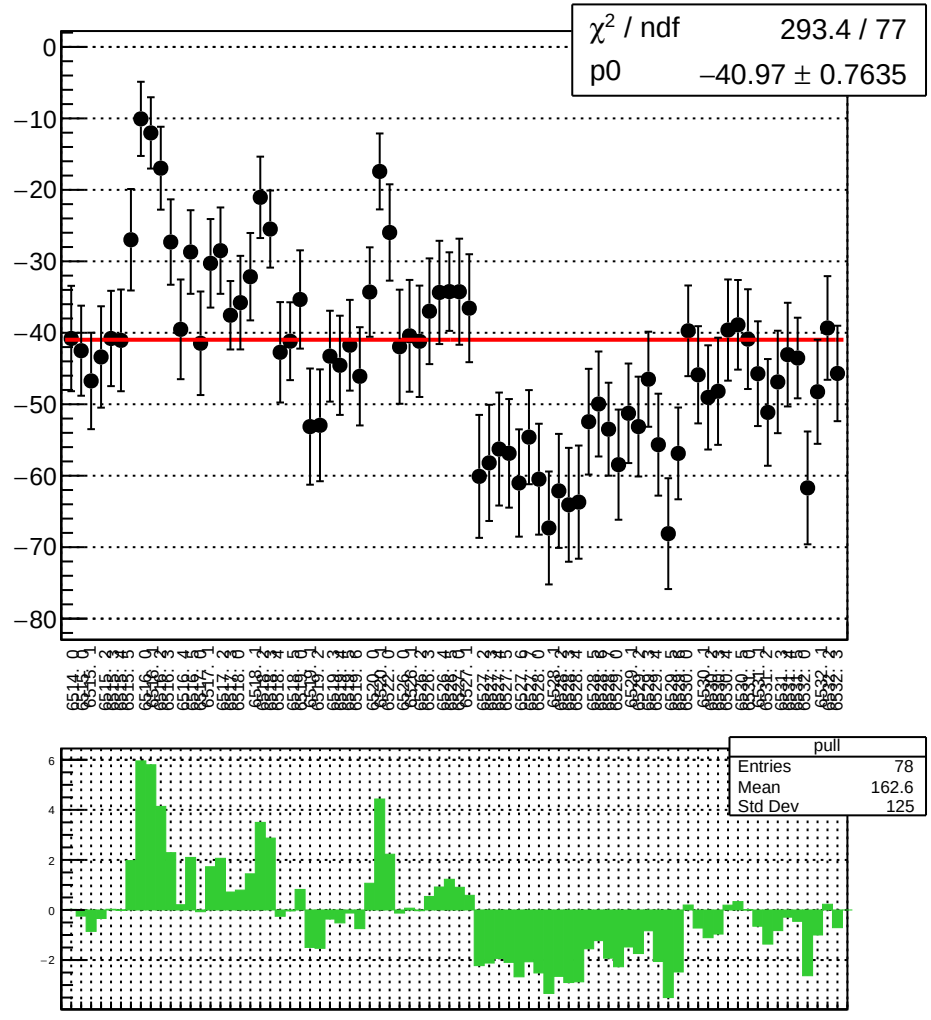


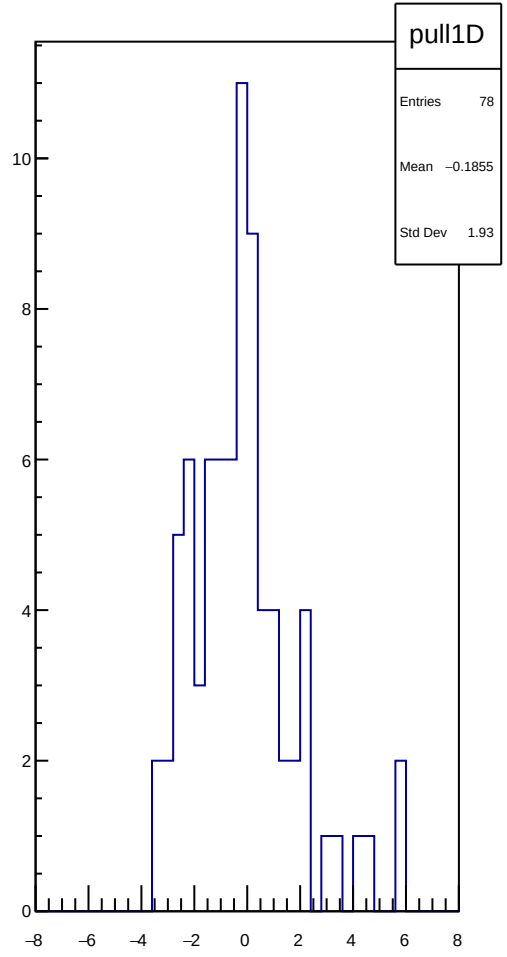
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

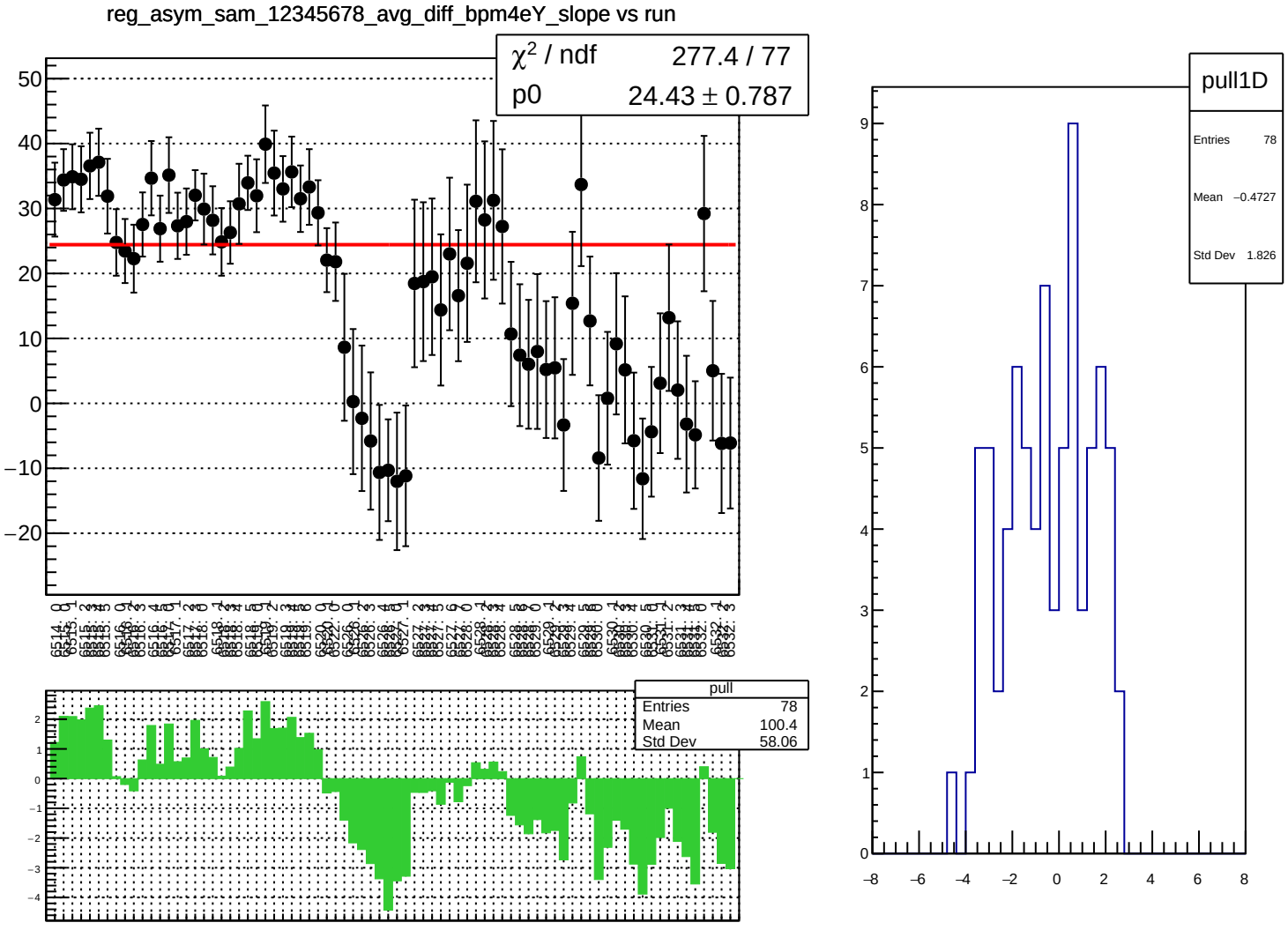




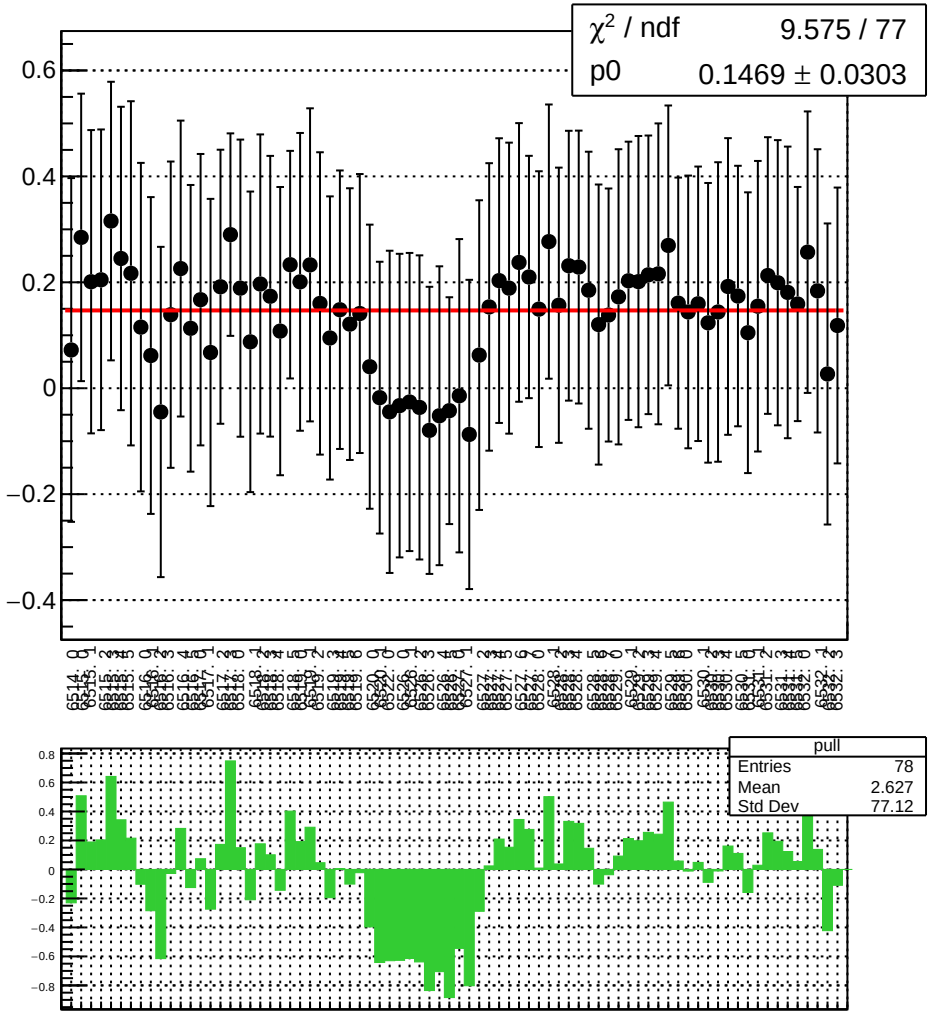
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

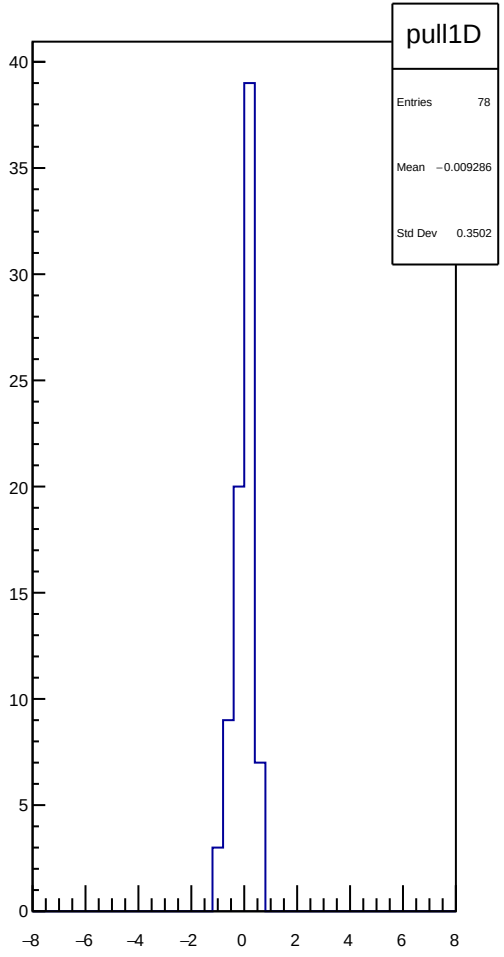


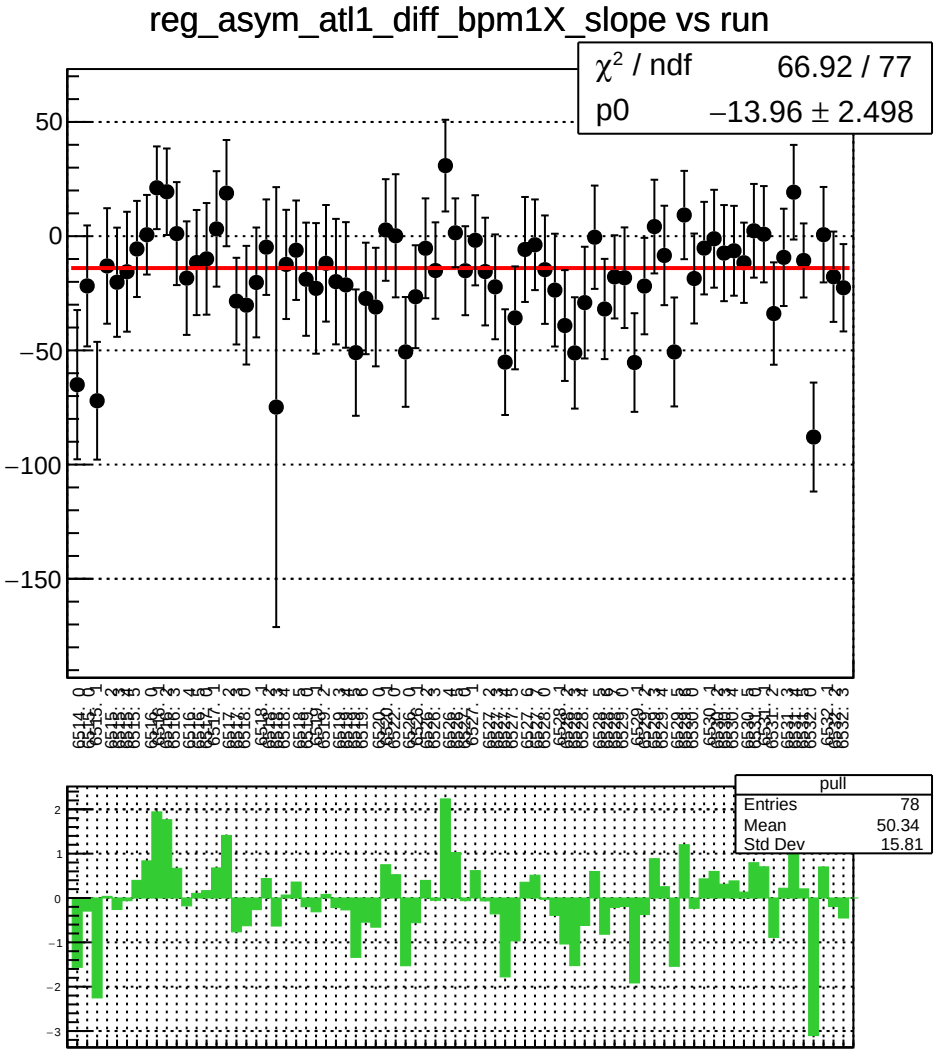


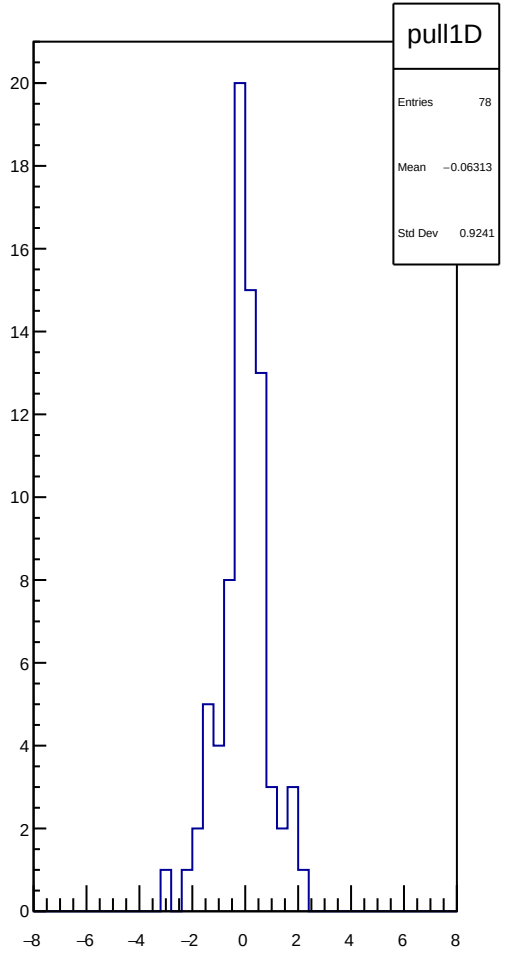

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 277.4 / 77
p0 24.43 ± 0.787
pull
Entries 78
Mean 100.4
Std Dev 58.06
pull1D
Entries 78
Mean −0.4727
Std Dev 1.826

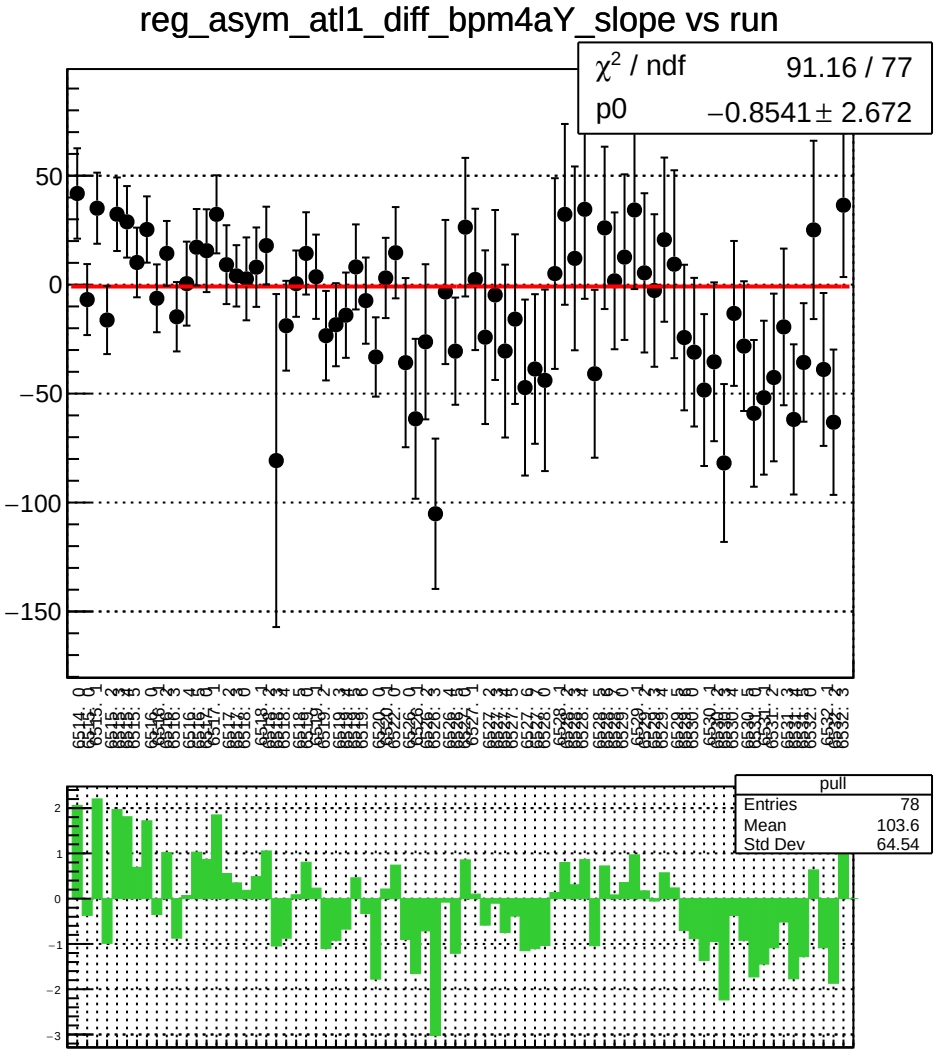
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

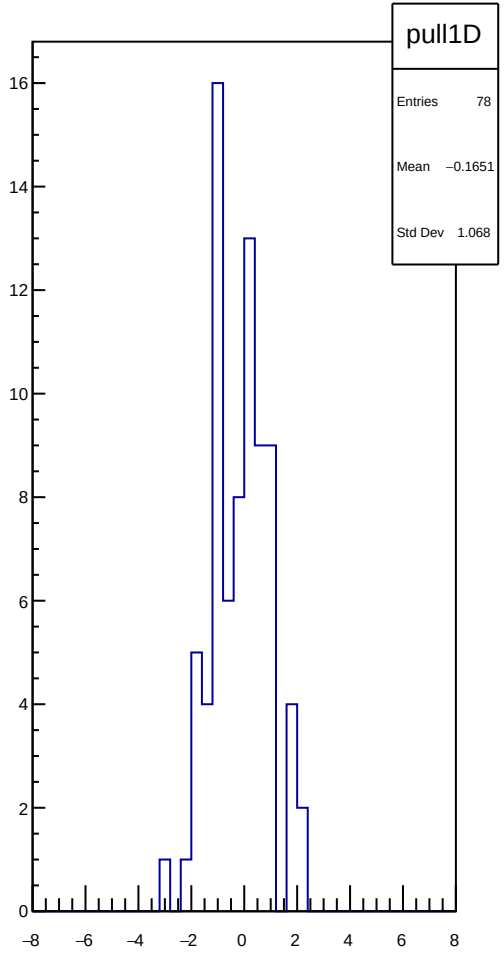


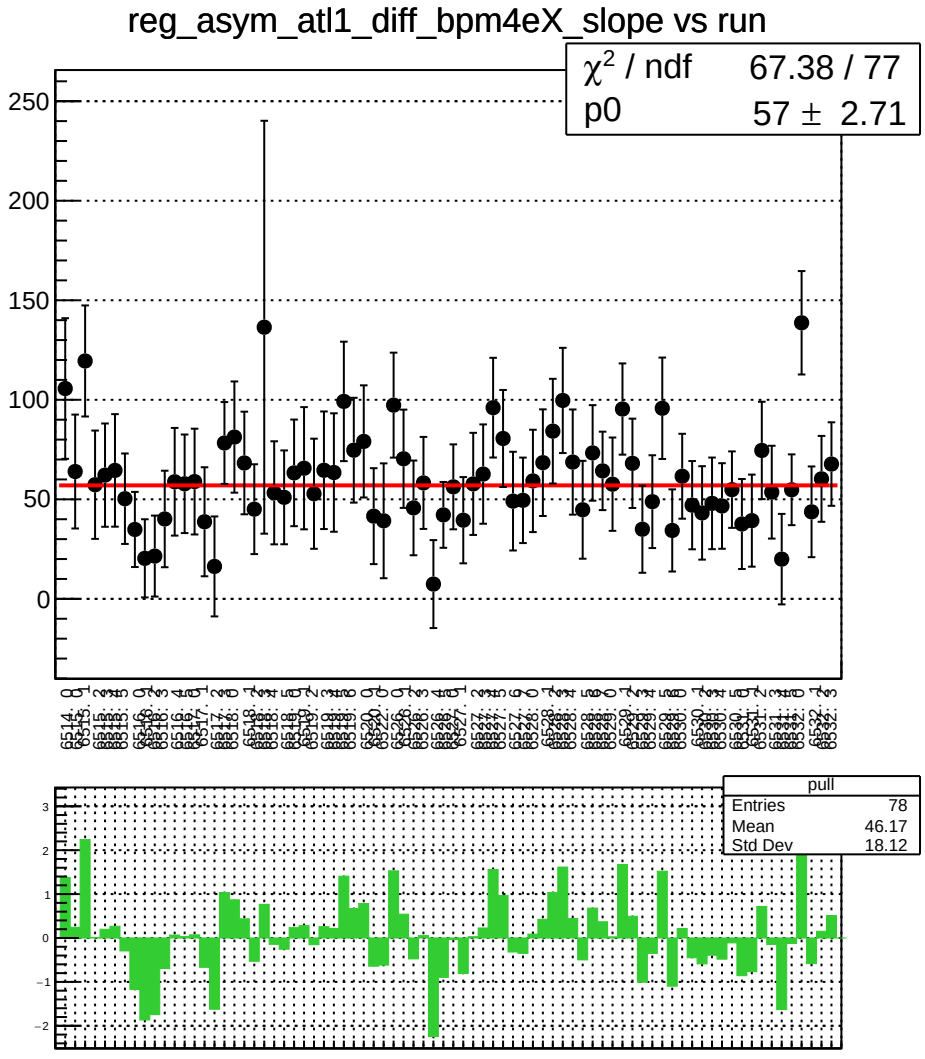


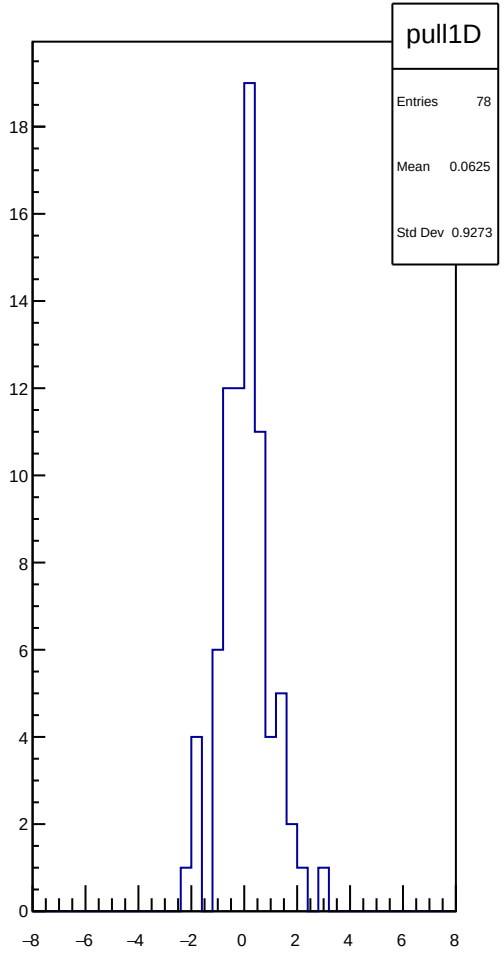

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 66.92 / 77
p0 −13.96 ± 2.498
pull
Entries 78
Mean 50.34
Std Dev 15.81

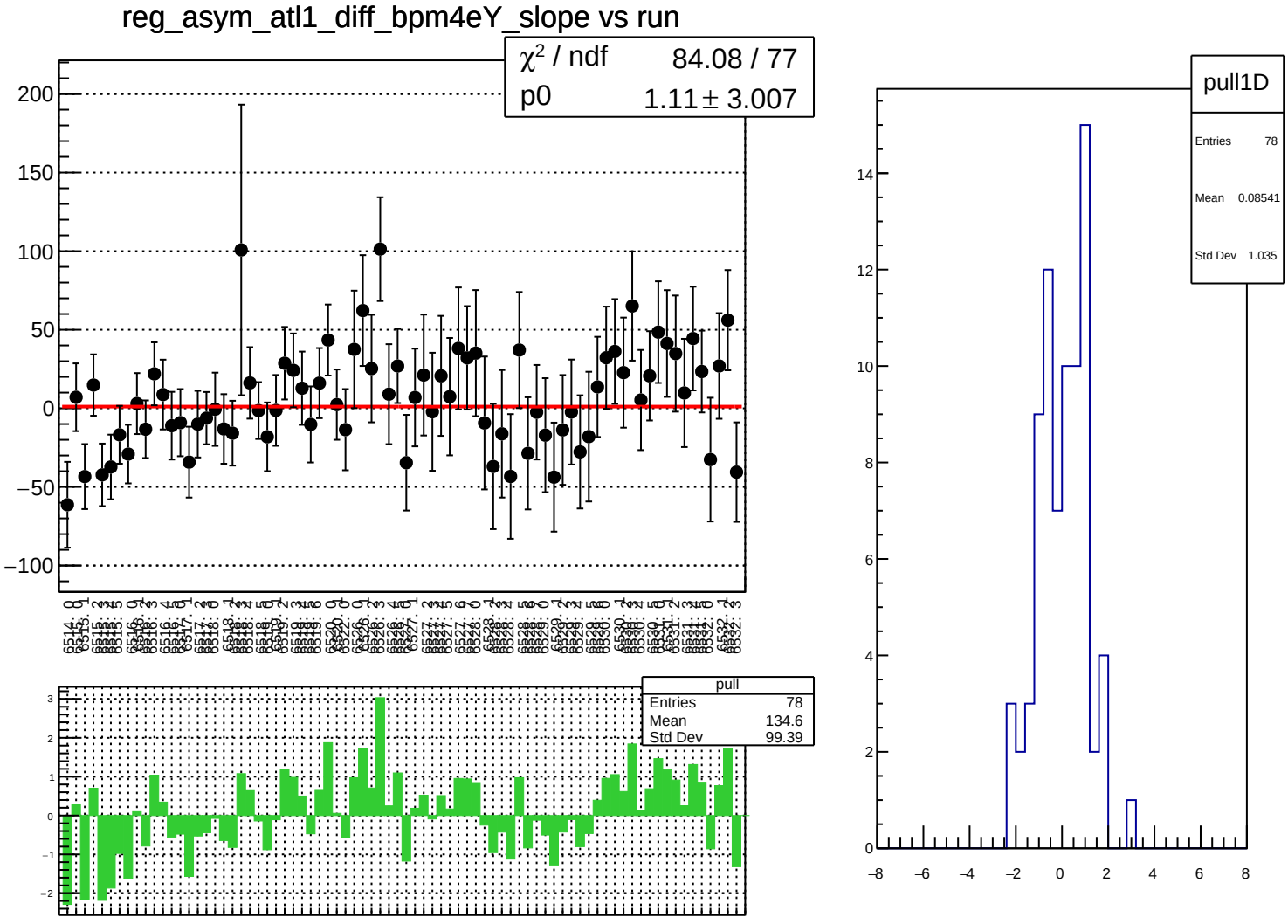

pull1D
Entries 78
Mean −0.06313
Std Dev 0.9241

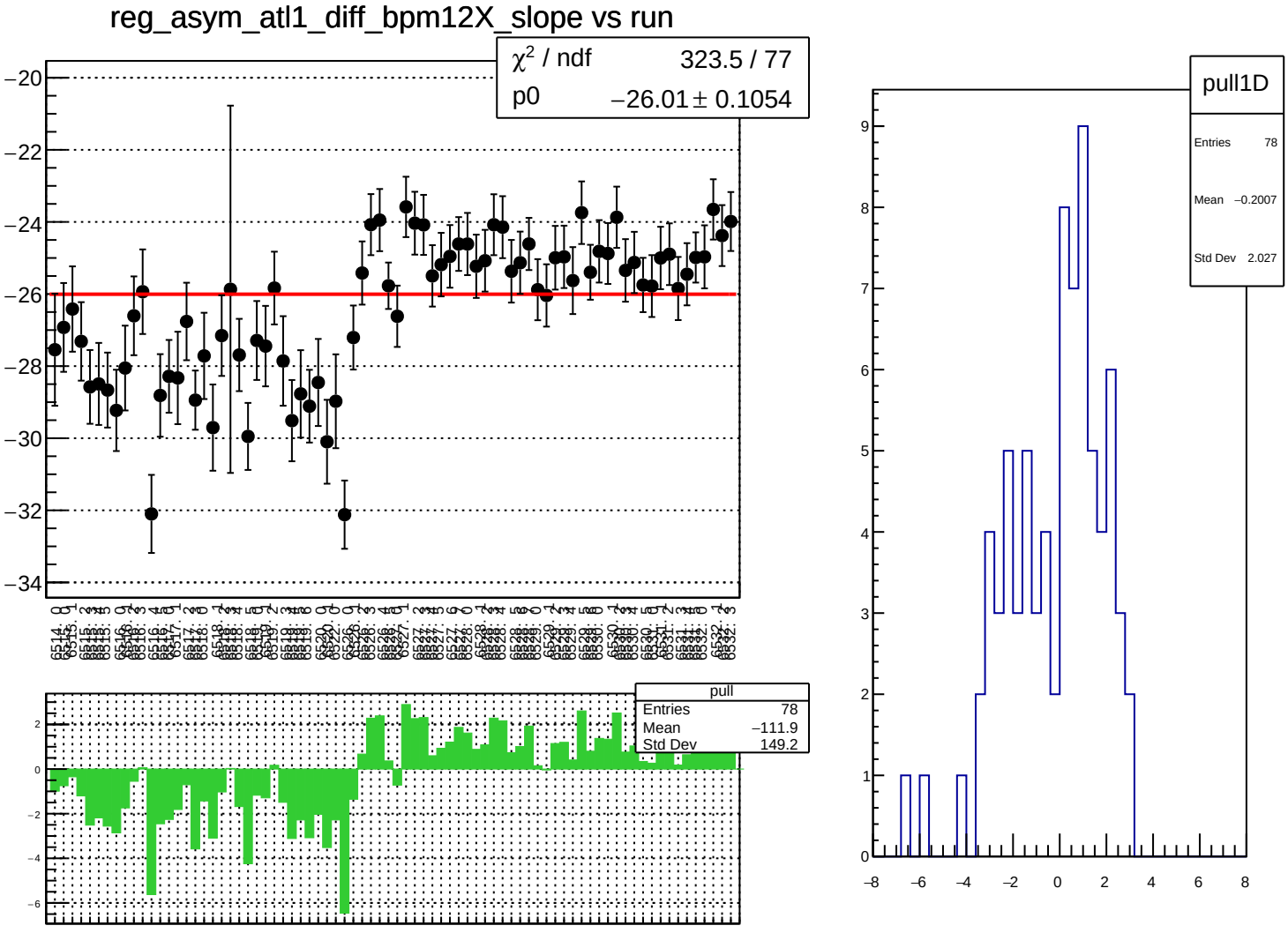

reg_asym_atl1_diff_bpm4aY_slope vs run
χ^2 / ndf 91.16 / 77
p0 −0.8541 ± 2.672
pull
Entries 78
Mean 103.6
Std Dev 64.54

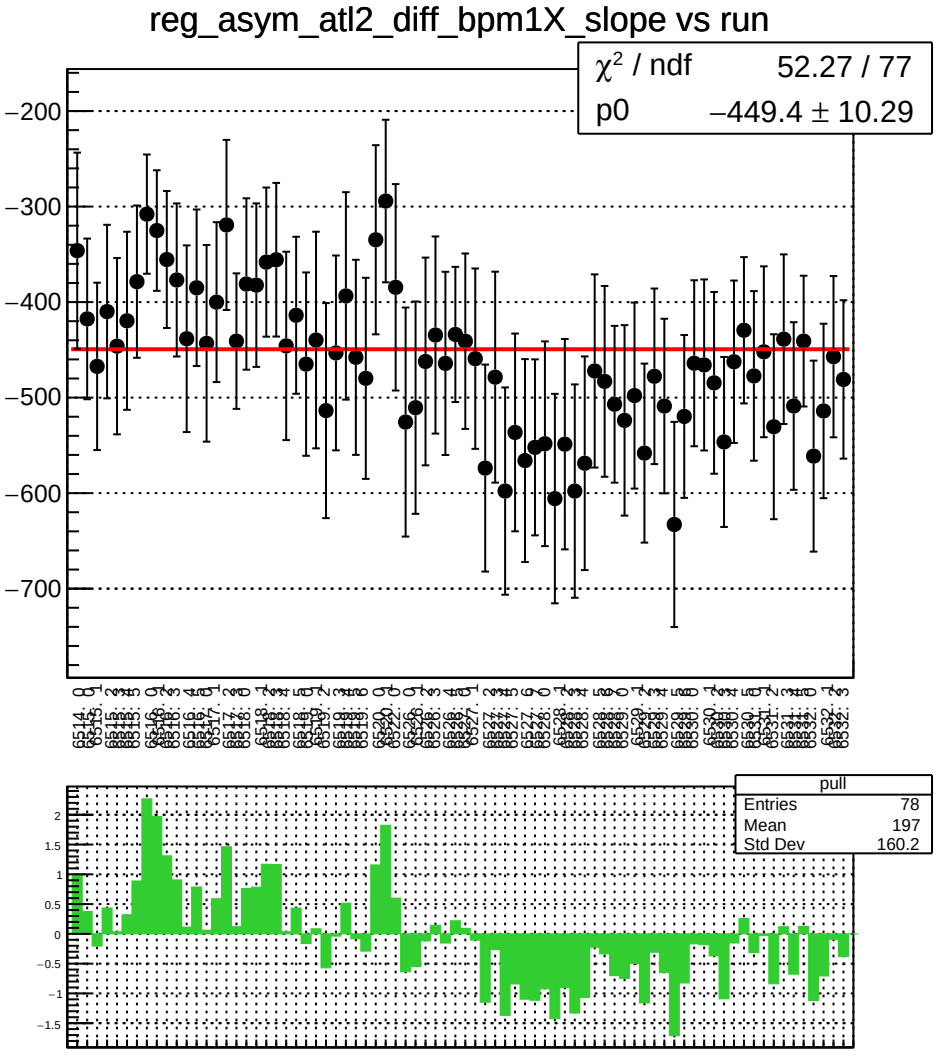

pull1D
Entries 78
Mean −0.1651
Std Dev 1.068

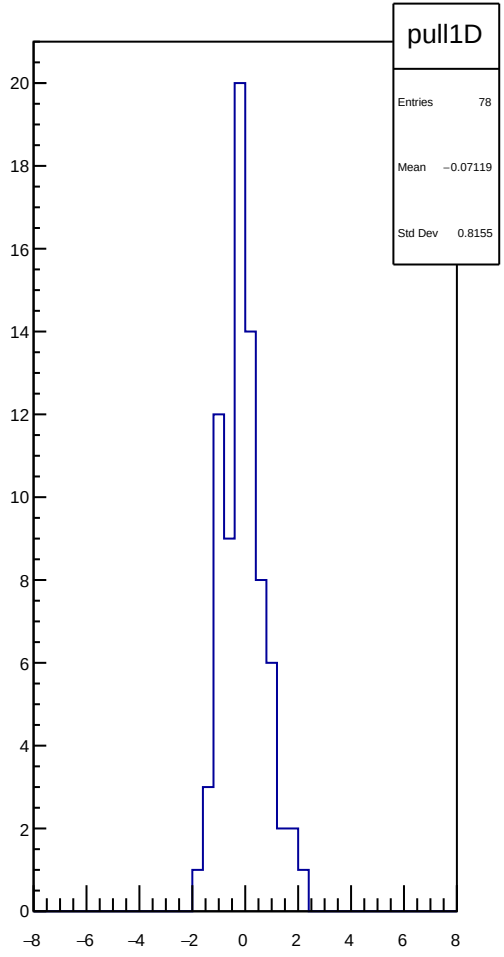

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 67.38 / 77
p0 57 ± 2.71
pull
Entries 78
Mean 46.17
Std Dev 18.12

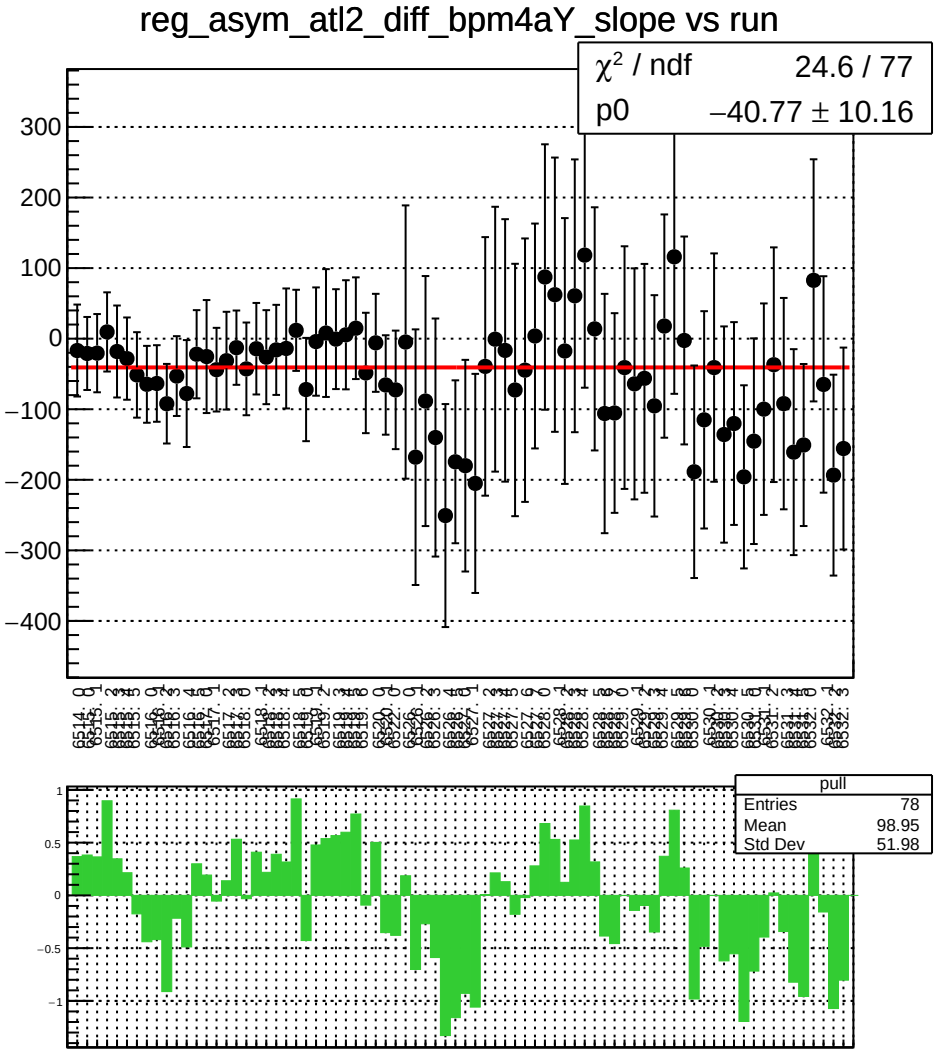

pull1D
Entries 78
Mean 0.0625
Std Dev 0.9273

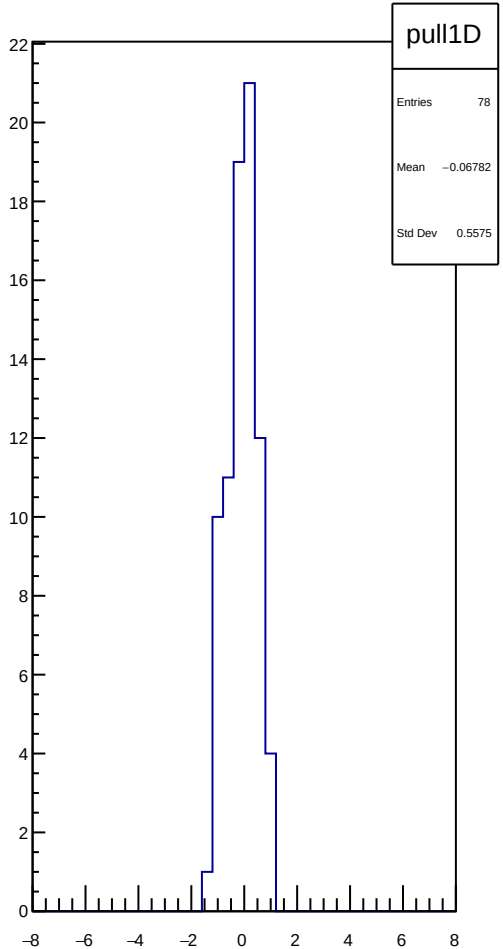

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 84.08 / 77
p0 1.11 ± 3.007
pull
Entries 78
Mean 134.6
Std Dev 99.39
pull1D
Entries 78
Mean 0.08541
Std Dev 1.035

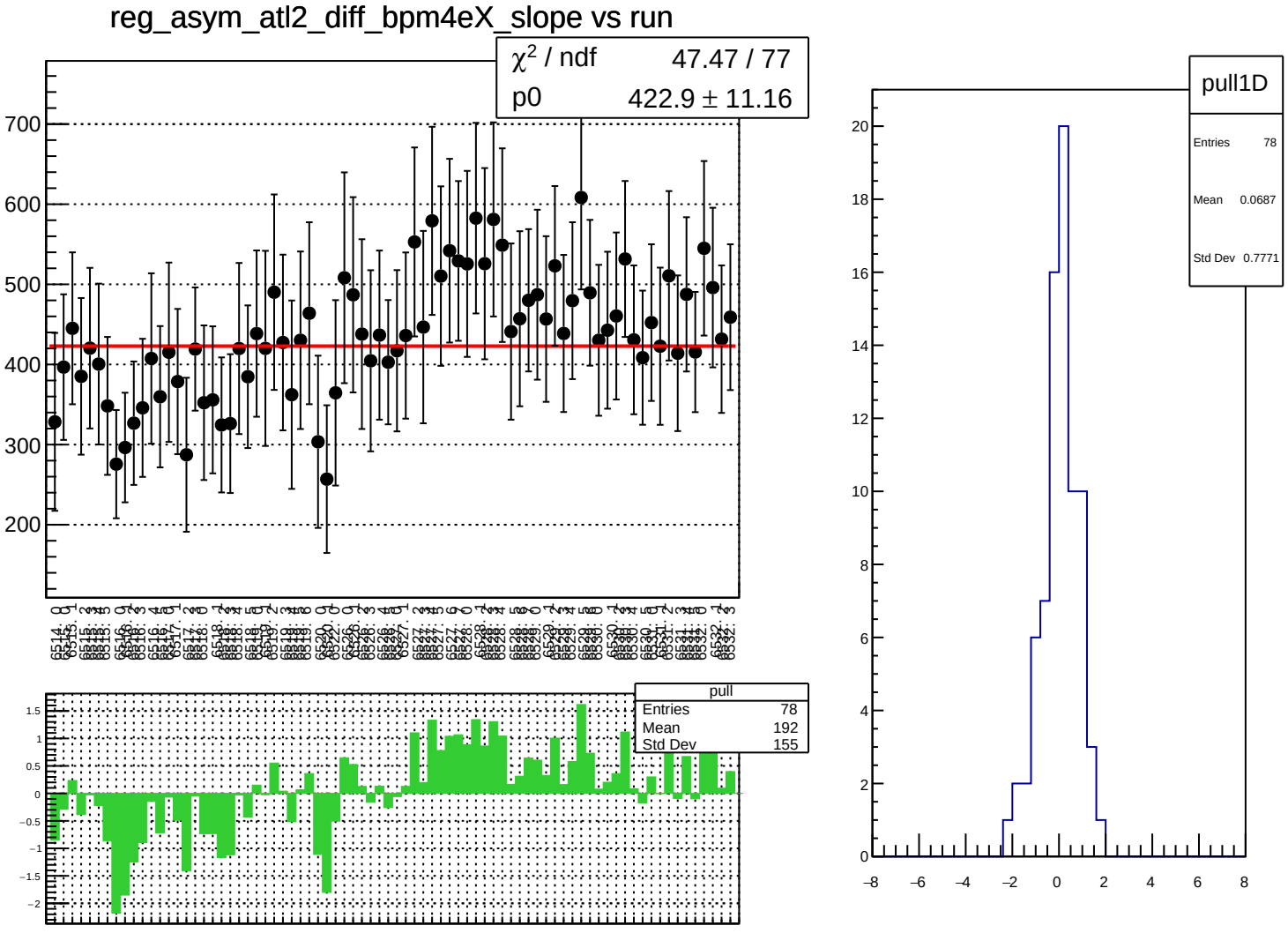

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 323.5 / 77
p0 −26.01 ± 0.1054
pull
Entries 78
Mean −111.9
Std Dev 149.2
pull1D
Entries 78
Mean −0.2007
Std Dev 2.027

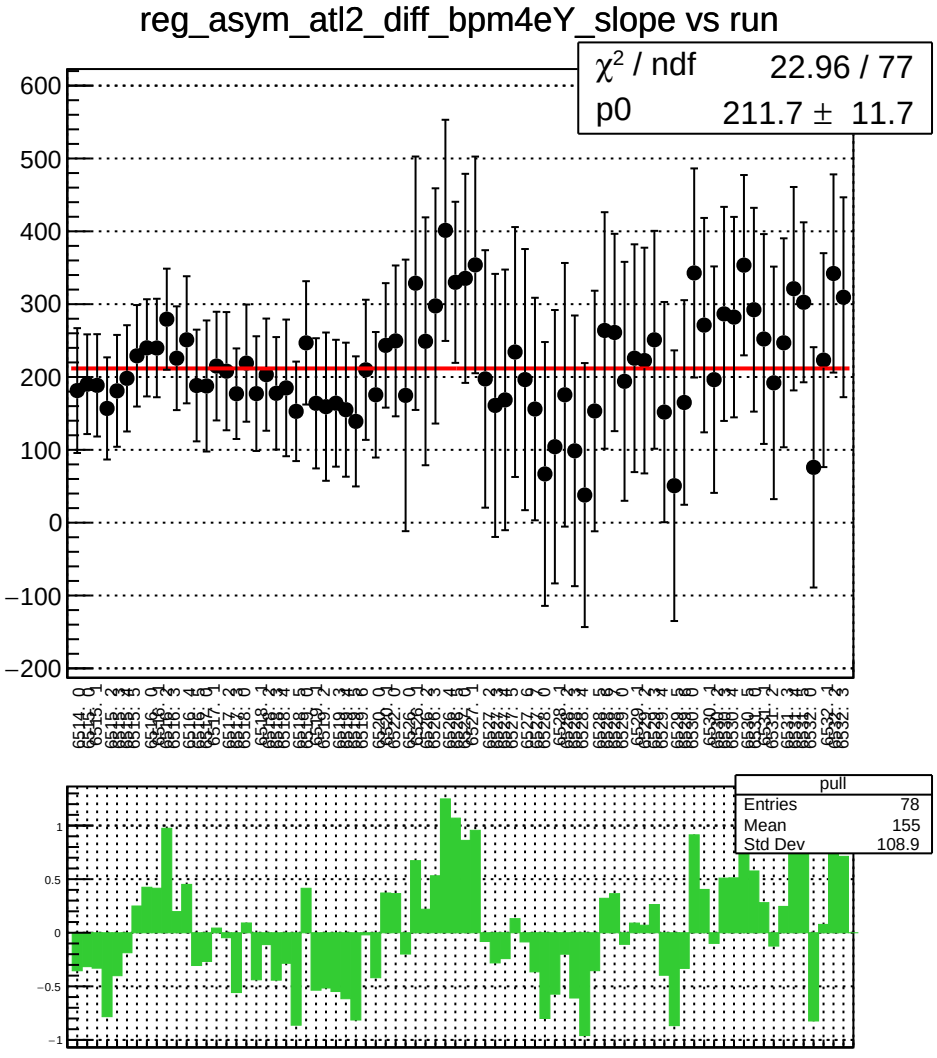

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 52.27 / 77
p0 −449.4 ± 10.29
pull
Entries 78
Mean 197
Std Dev 160.2

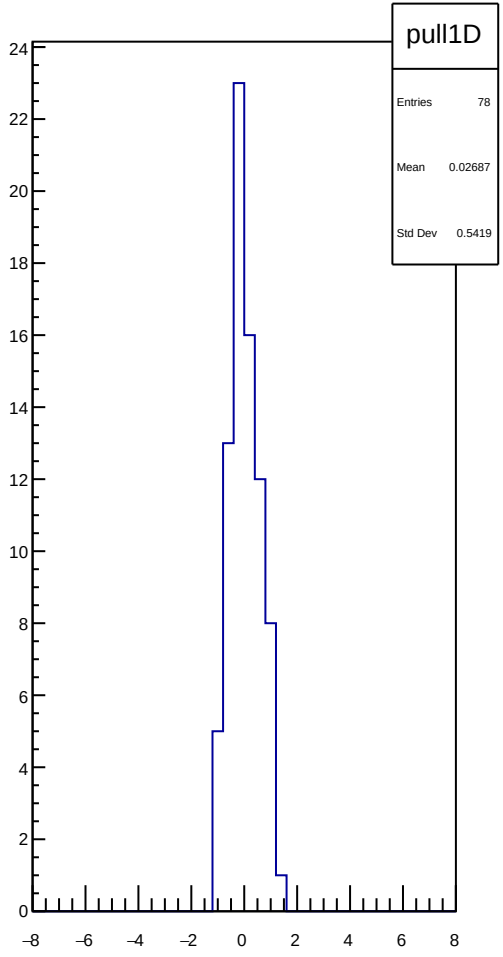

pull1D
Entries 78
Mean −0.07119
Std Dev 0.8155

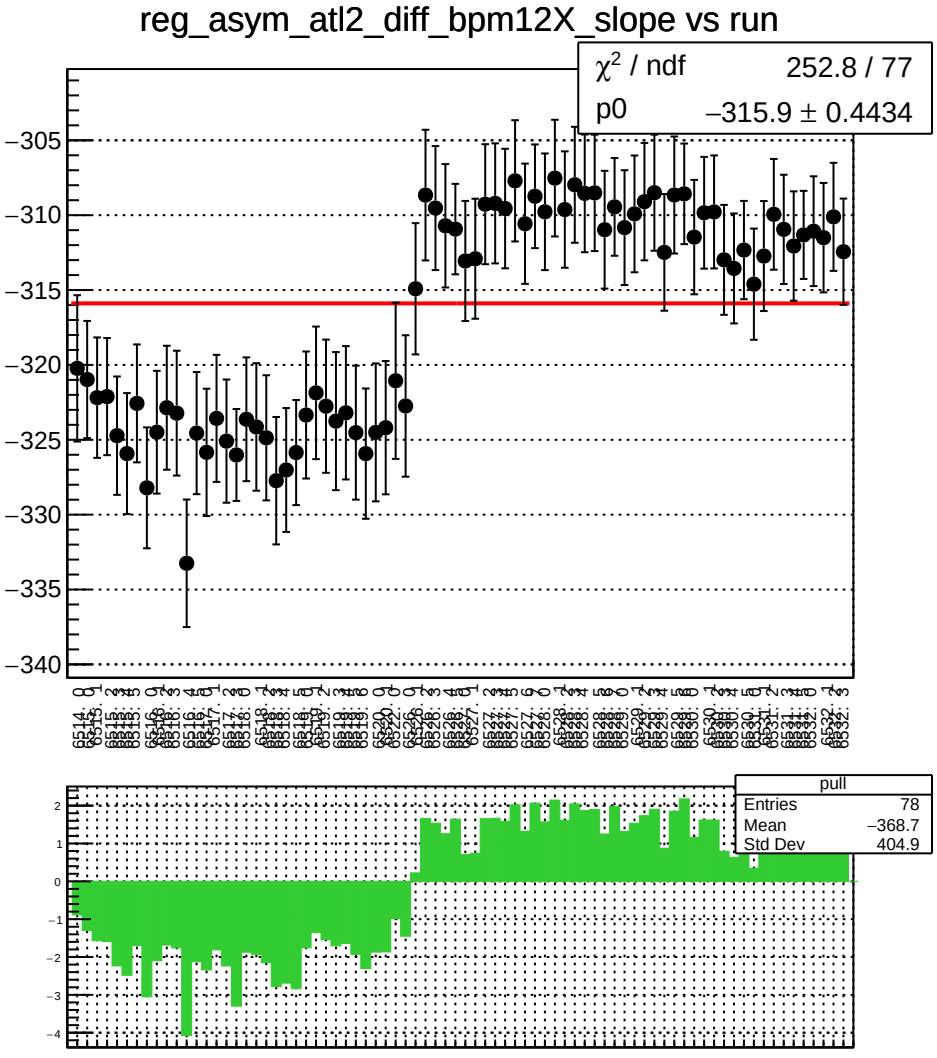

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 24.6 / 77
p0 −40.77 ± 10.16
pull
Entries 78
Mean 98.95
Std Dev 51.98

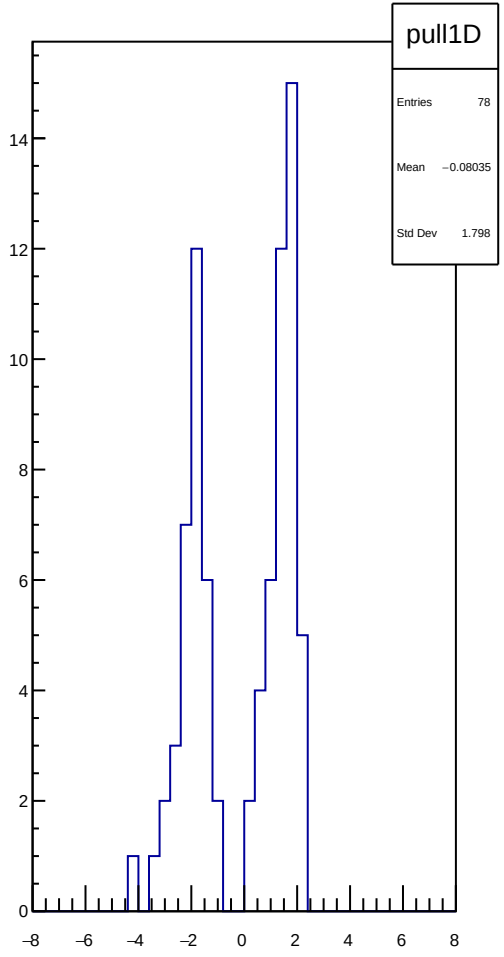

pull1D
Entries 78
Mean −0.06782
Std Dev 0.5575

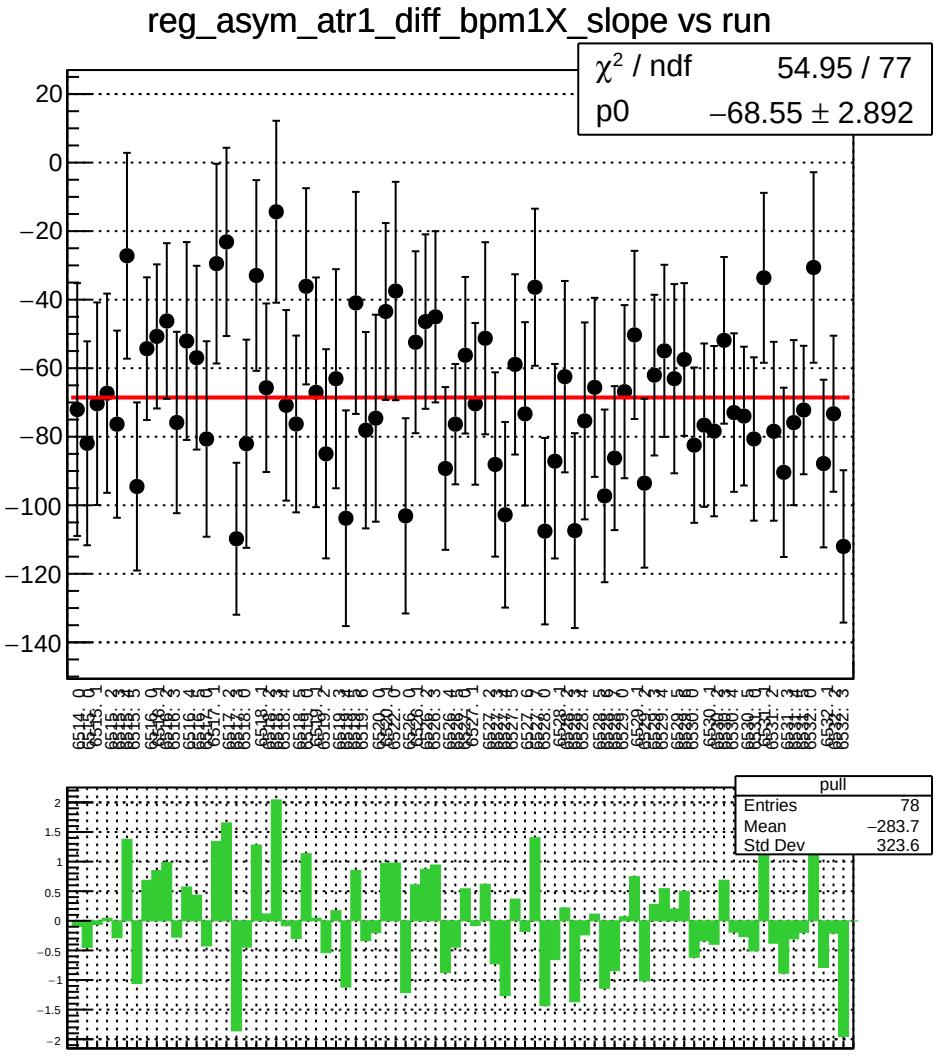

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 47.47 / 77
p0 422.9 ± 11.16
pull
Entries 78
Mean 192
Std Dev 155
pull1D
Entries 78
Mean 0.0687
Std Dev 0.7771

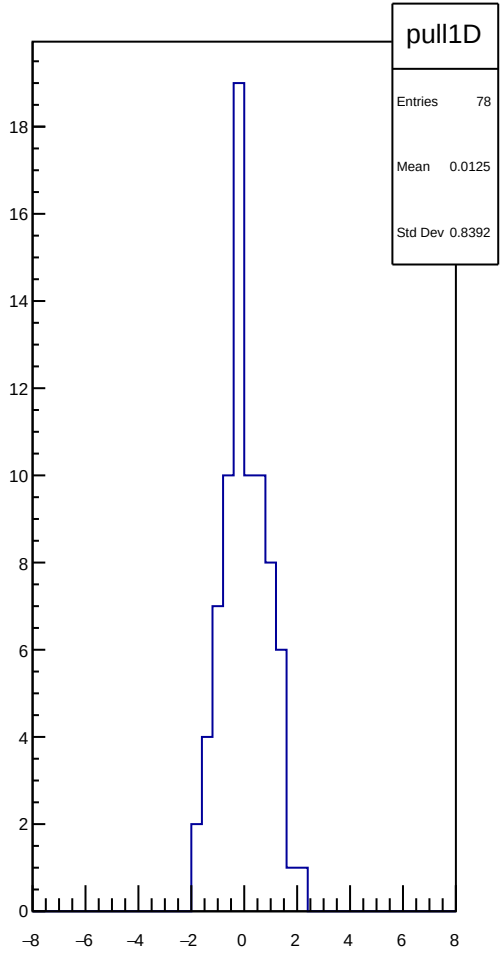

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 22.96 / 77
p0 211.7 ± 11.7
pull
Entries 78
Mean 155
Std Dev 108.9

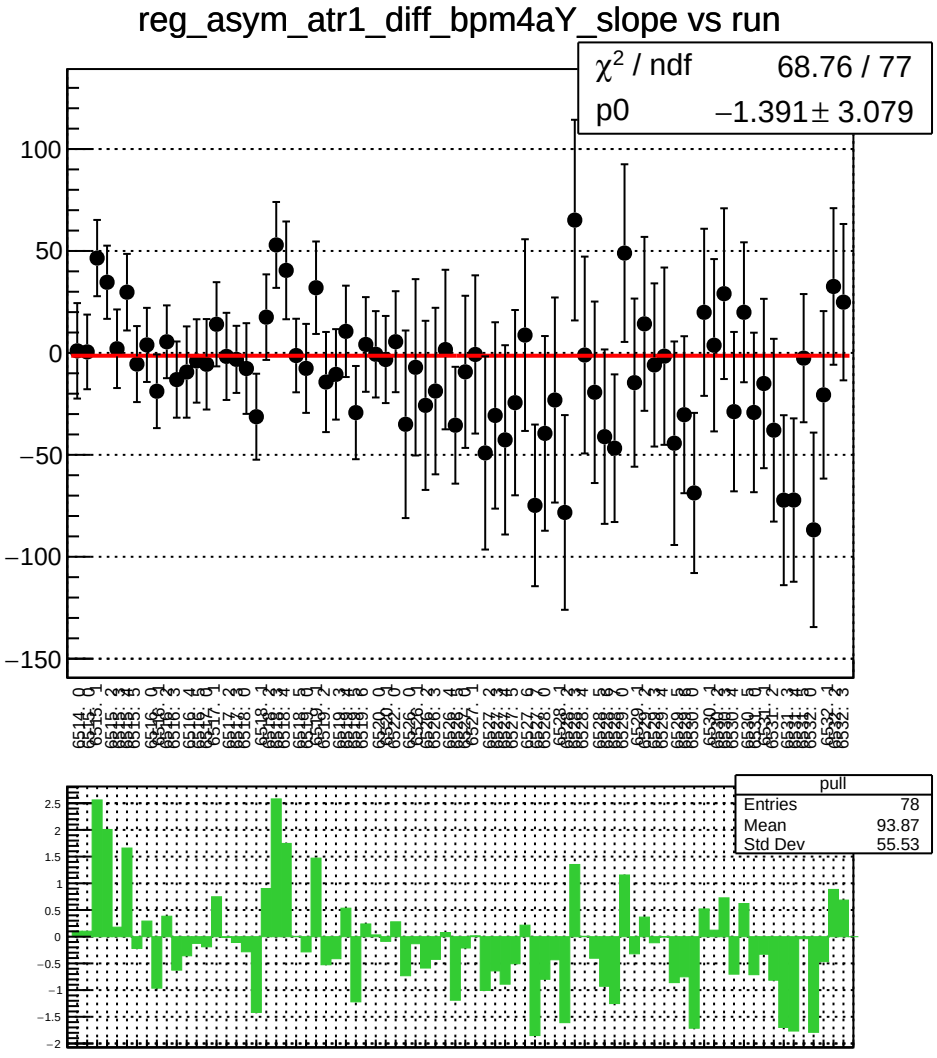

pull1D
Entries 78
Mean 0.02687
Std Dev 0.5419

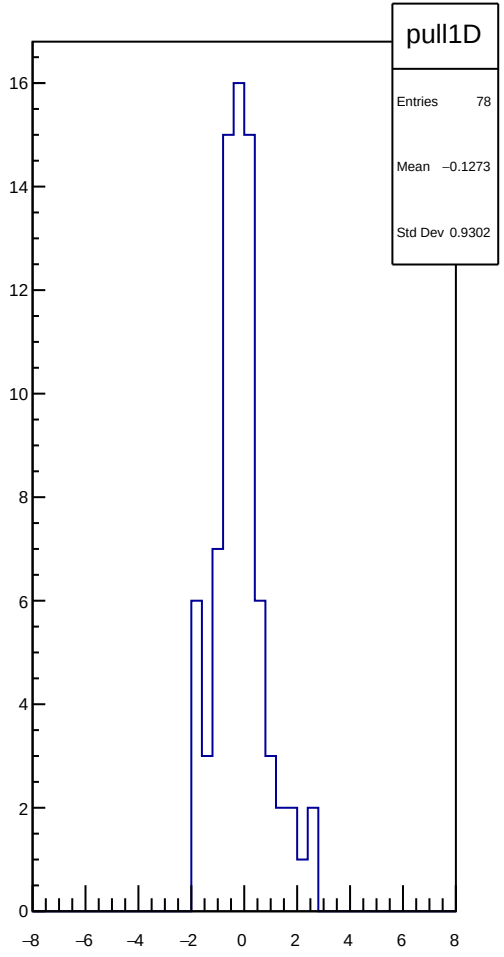

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 252.8 / 77
p0 −315.9 ± 0.4434
pull
Entries 78
Mean −368.7
Std Dev 404.9

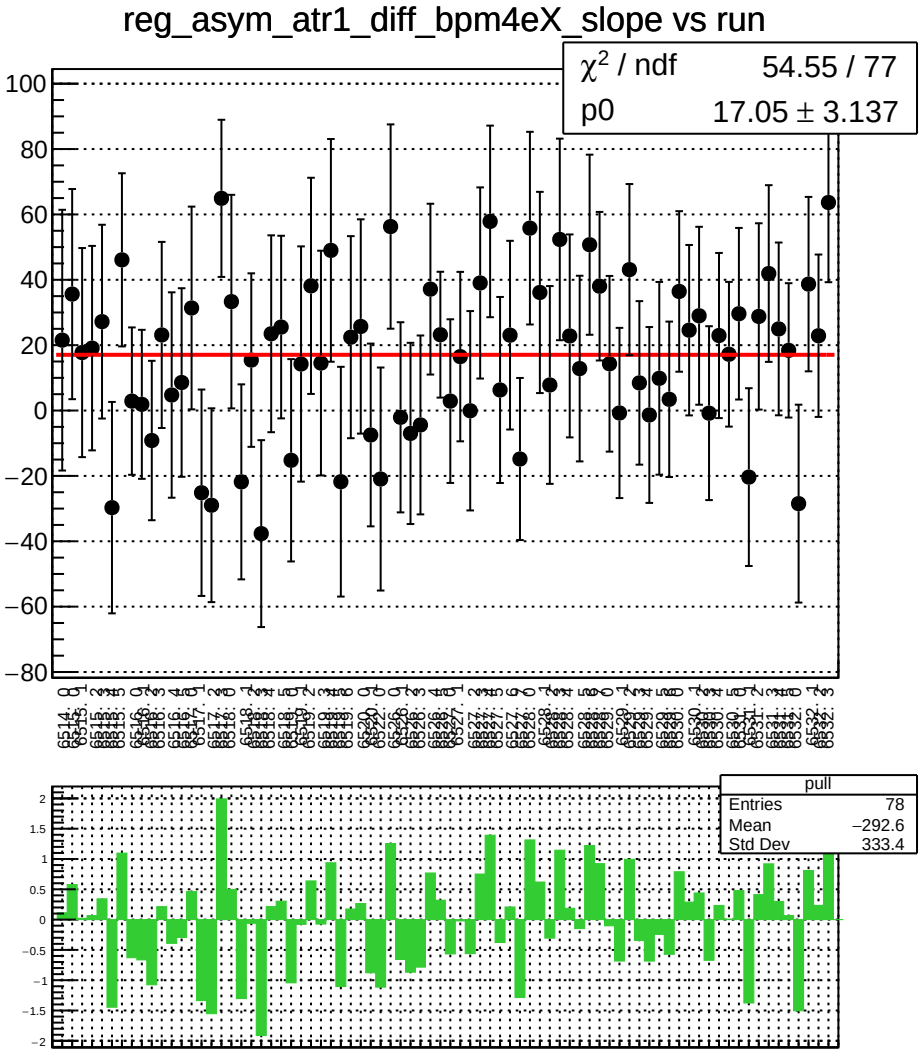

pull1D
Entries 78
Mean −0.08035
Std Dev 1.798

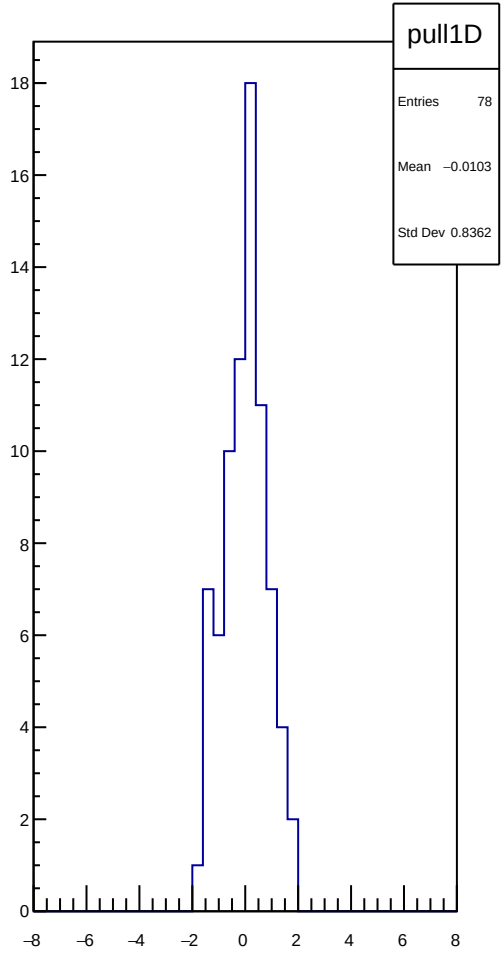

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 54.95 / 77
p0 −68.55 ± 2.892
pull
Entries 78
Mean −283.7
Std Dev 323.6

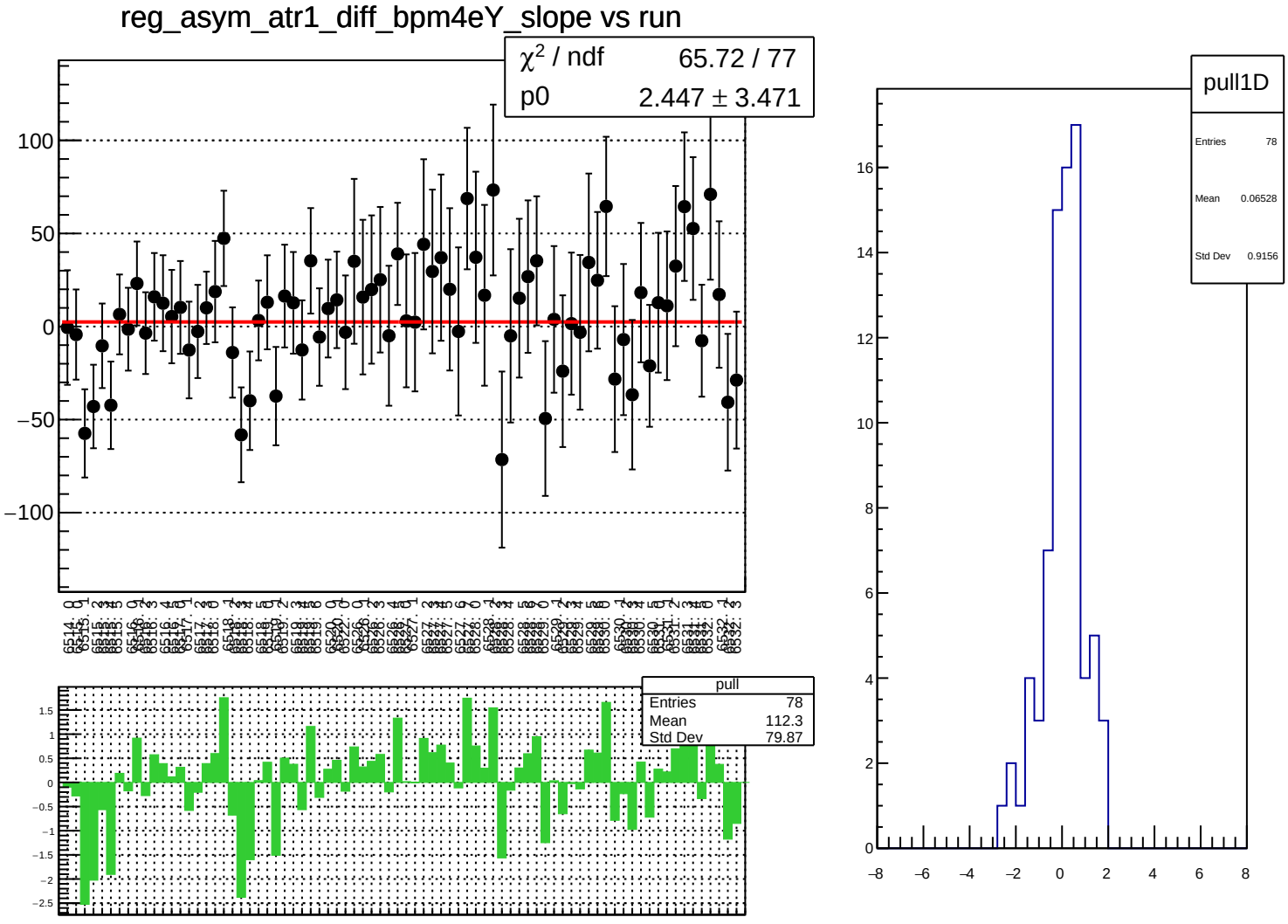

pull1D
Entries 78
Mean 0.0125
Std Dev 0.8392

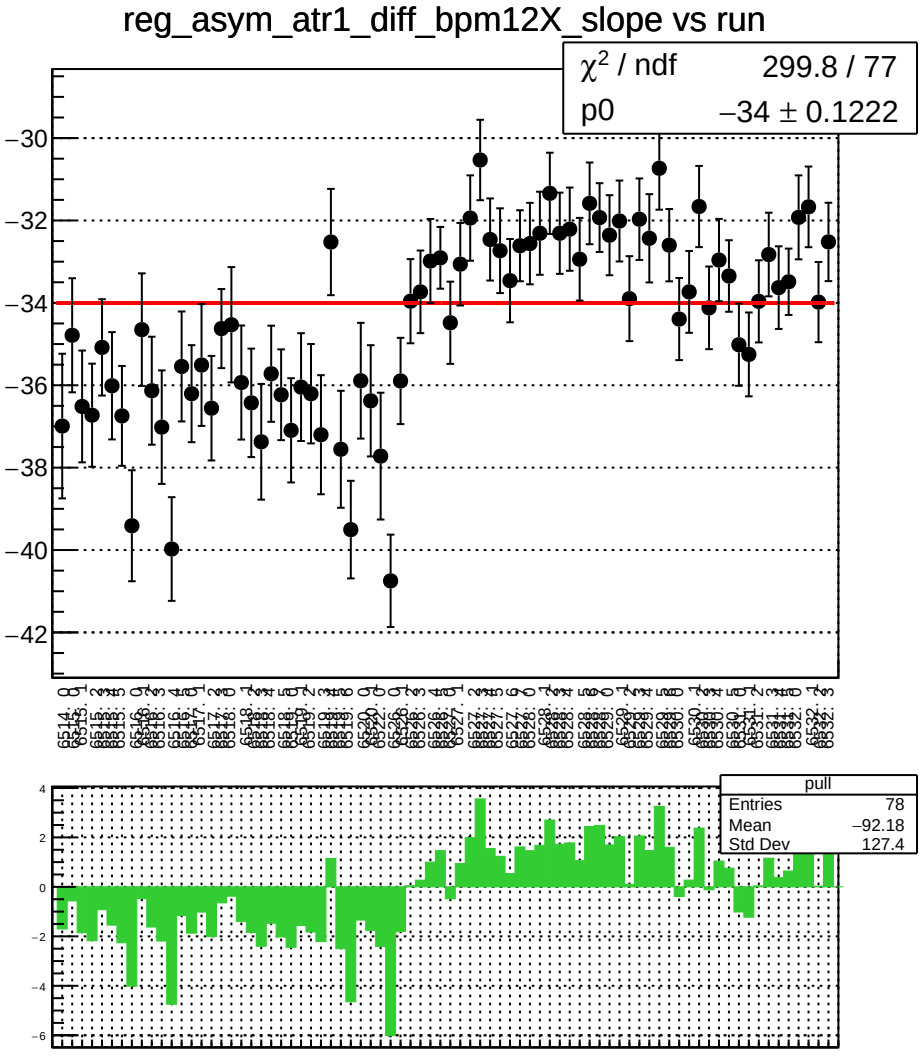

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 68.76 / 77
p0 −1.391 ± 3.079
pull
Entries 78
Mean 93.87
Std Dev 55.53

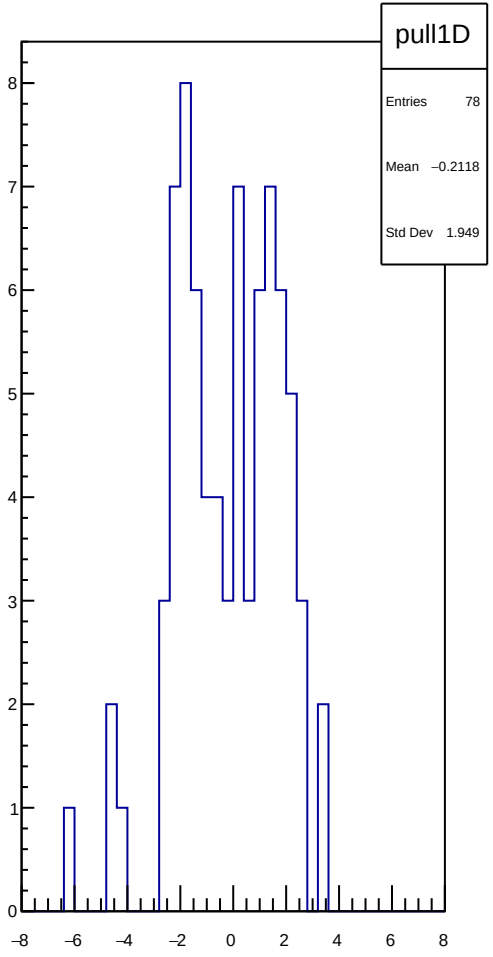

pull1D
Entries 78
Mean −0.1273
Std Dev 0.9302

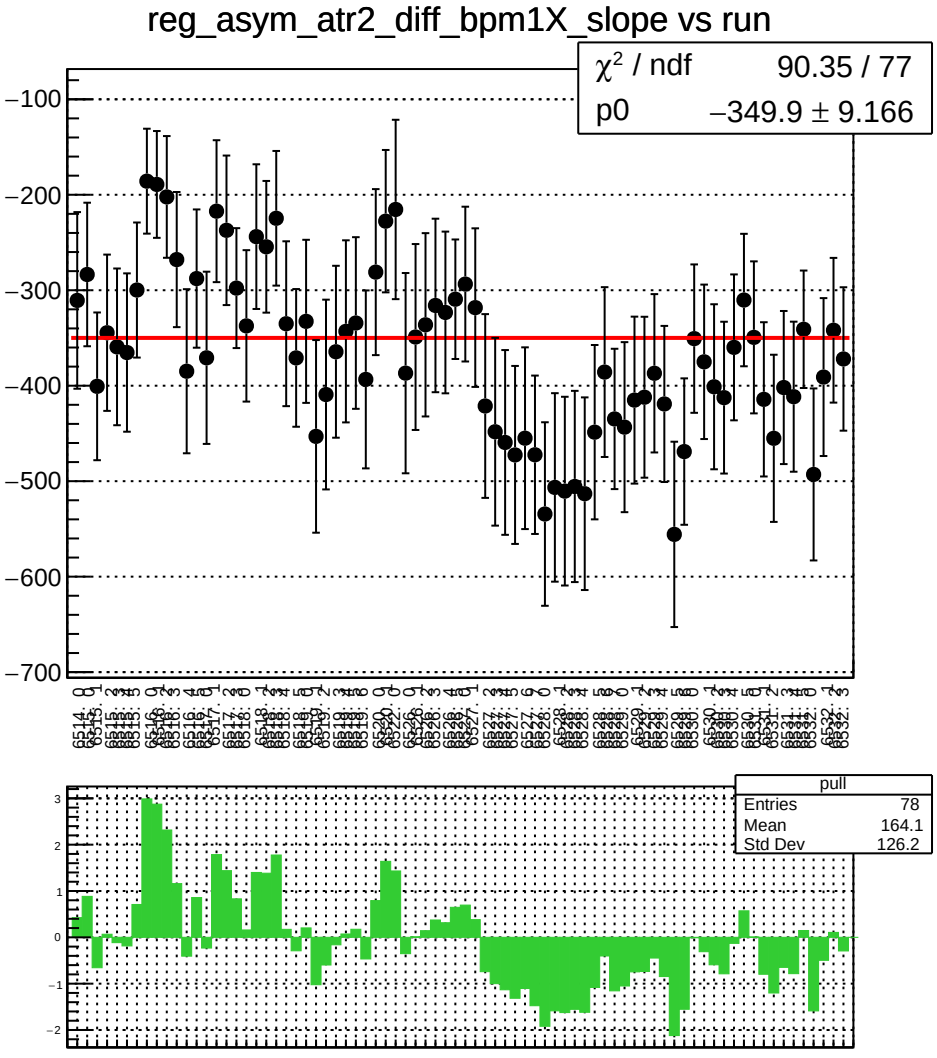

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 54.55 / 77
p0 17.05 ± 3.137
pull
Entries 78
Mean −292.6
Std Dev 333.4

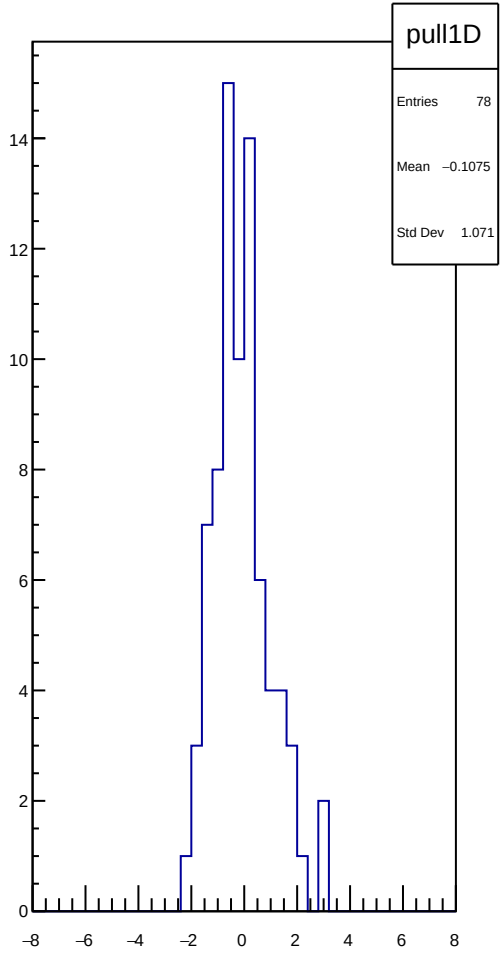

pull1D
Entries 78
Mean −0.0103
Std Dev 0.8362

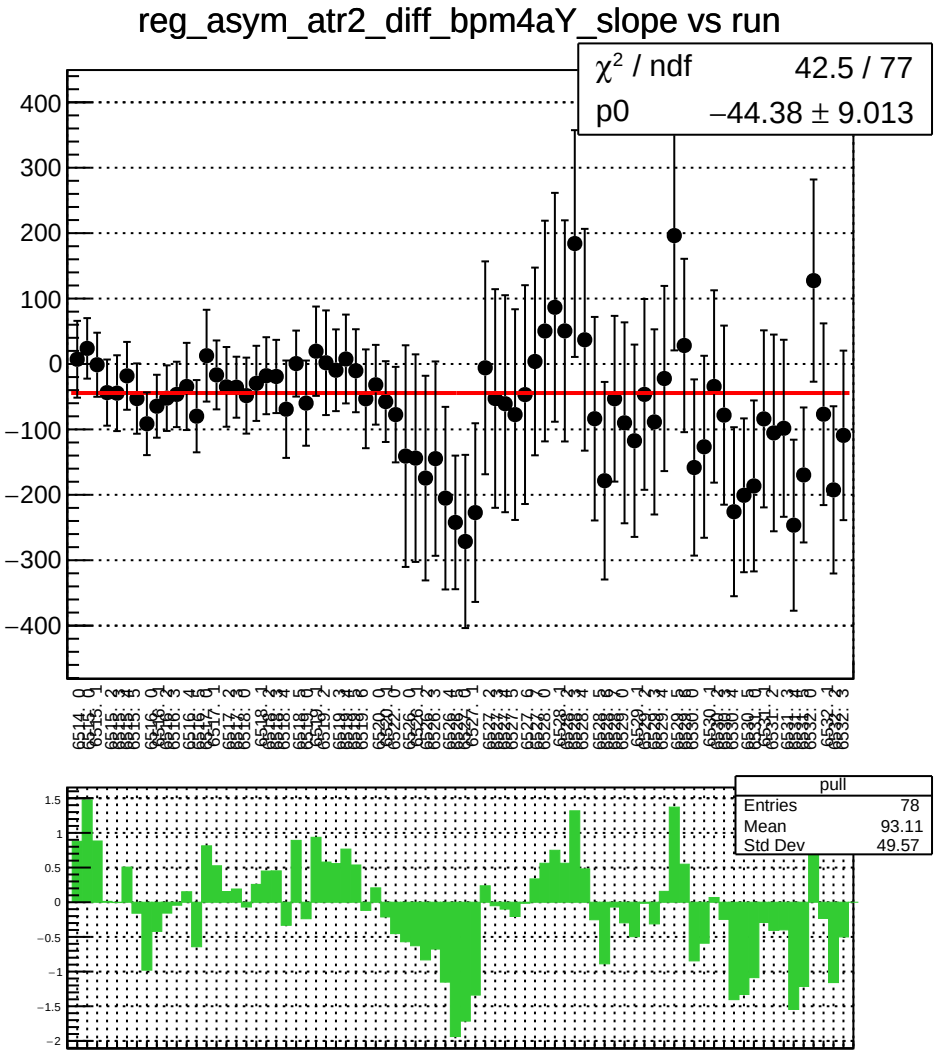

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 65.72 / 77
p0 2.447 ± 3.471
pull
Entries 78
Mean 112.3
Std Dev 79.87
pull1D
Entries 78
Mean 0.06528
Std Dev 0.9156

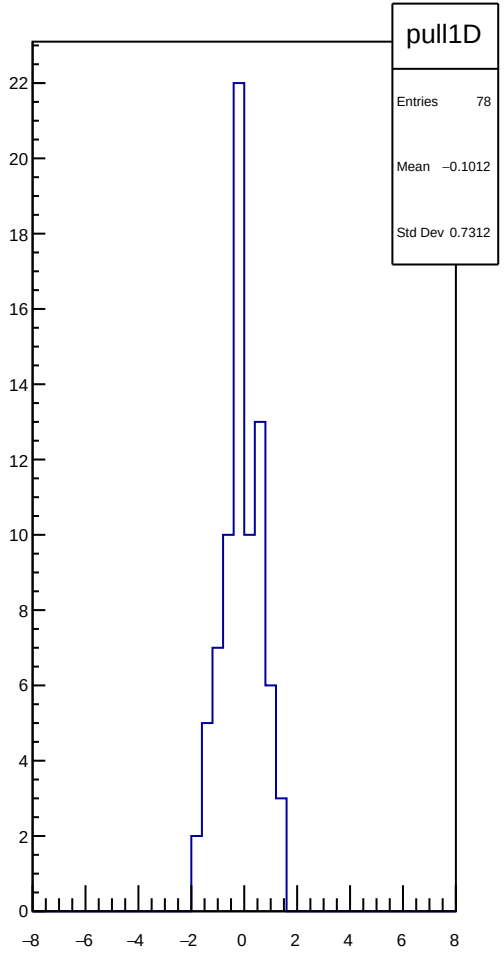

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 299.8 / 77
p0 −34 ± 0.1222
pull
Entries 78
Mean −92.18
Std Dev 127.4

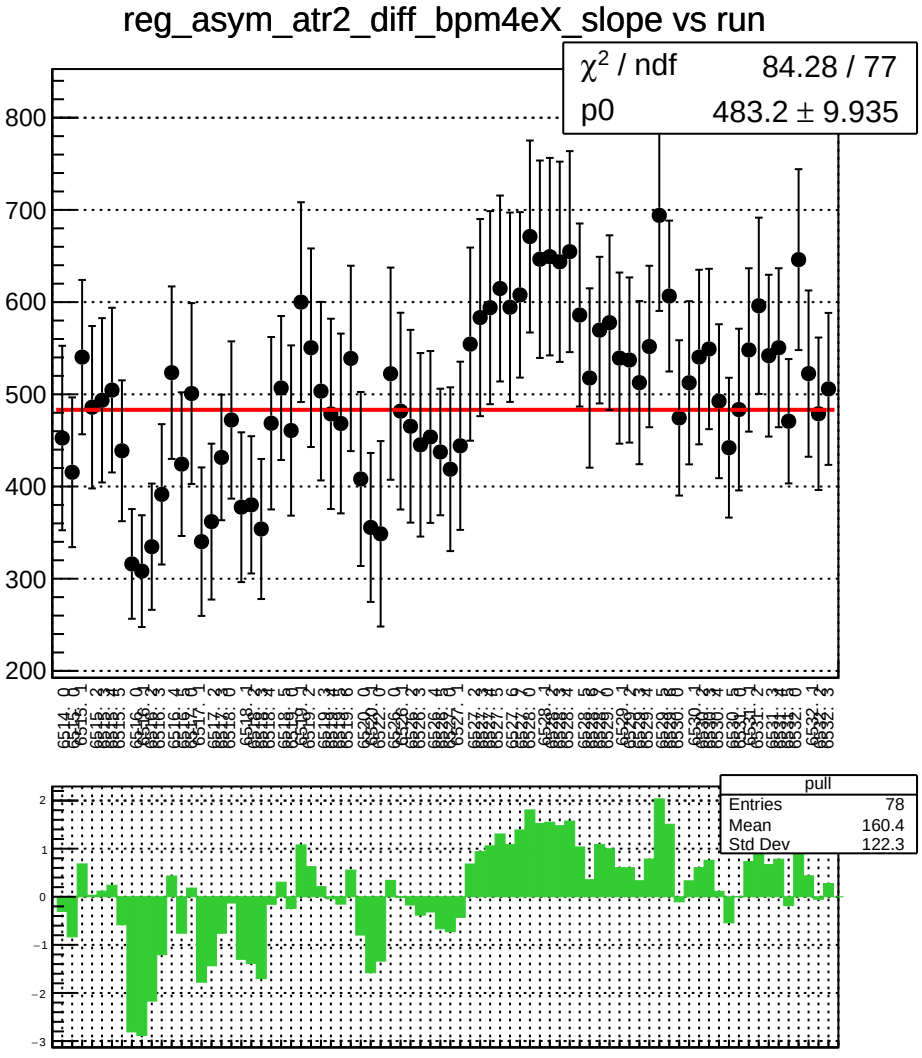

pull1D
Entries 78
Mean −0.2118
Std Dev 1.949

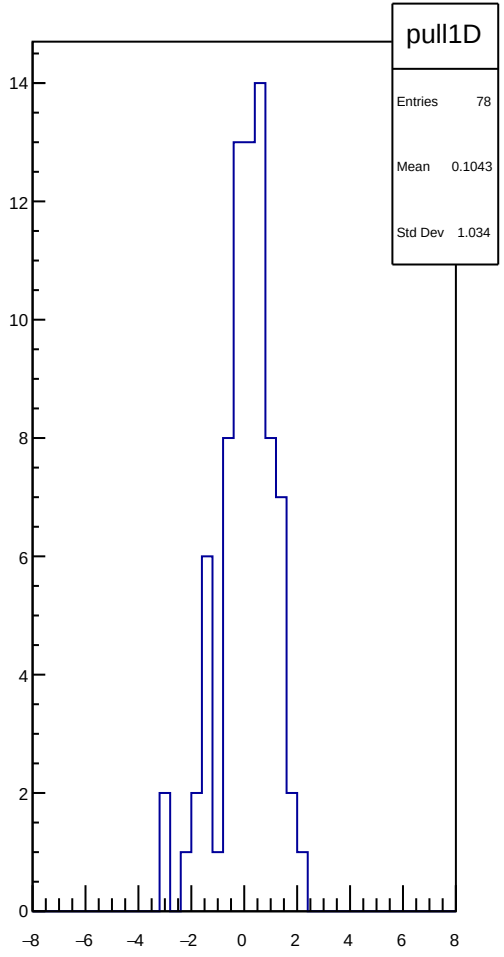

reg_asym_atr2_diff_bpm1X_slope vs run
χ^2 / ndf 90.35 / 77
p0 −349.9 ± 9.166
pull
Entries 78
Mean 164.1
Std Dev 126.2

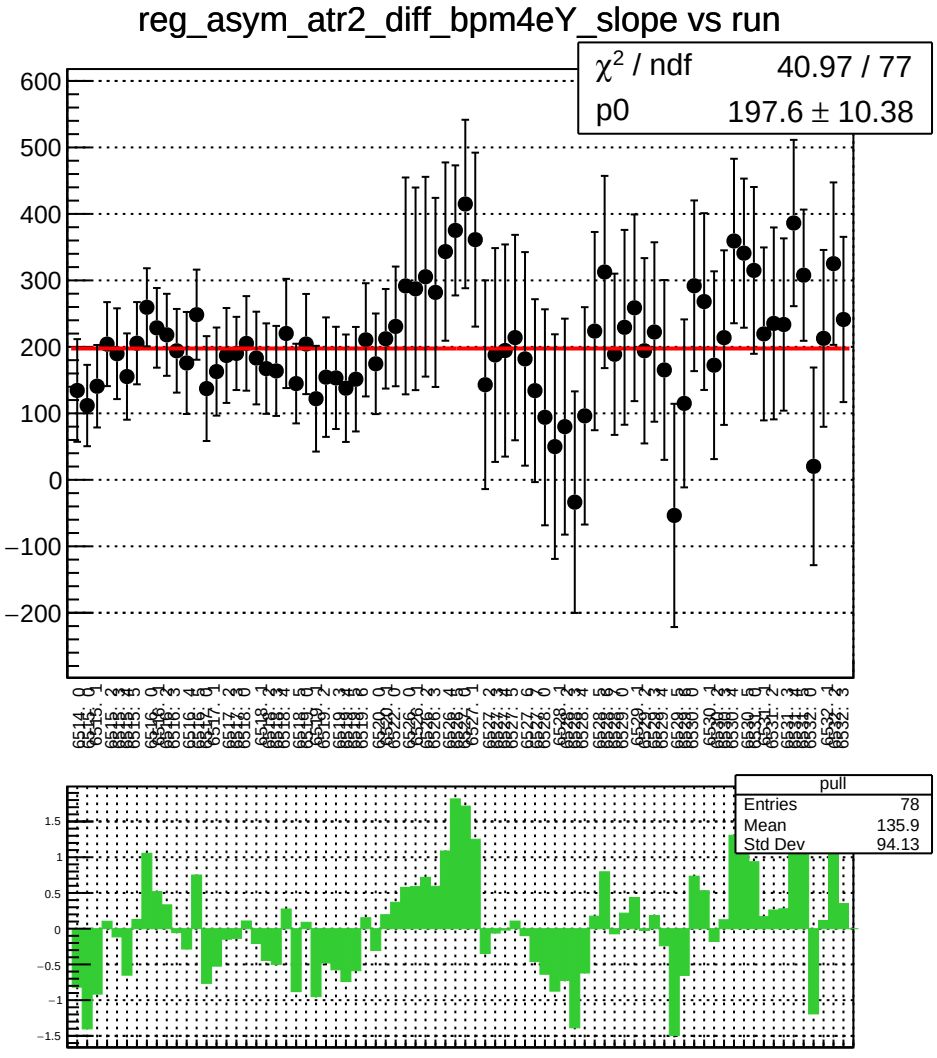

pull1D
Entries 78
Mean −0.1075
Std Dev 1.071

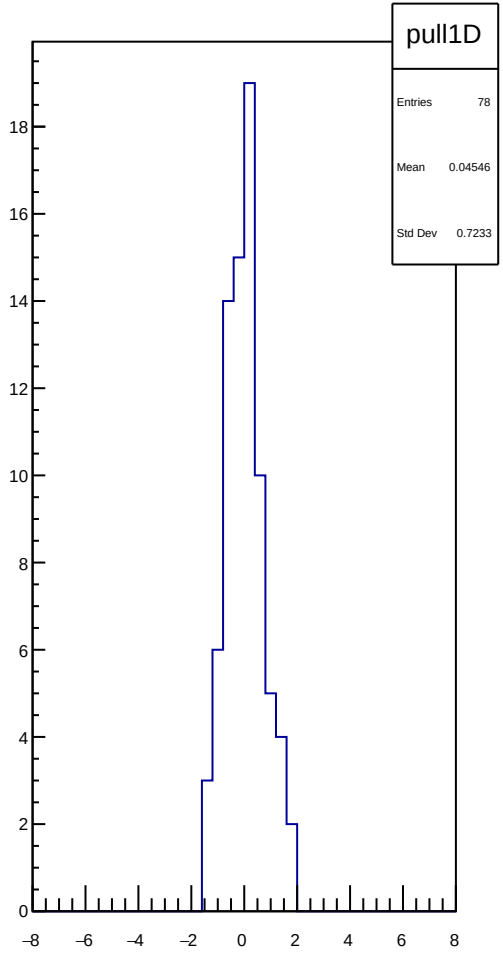

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 42.5 / 77
p0 −44.38 ± 9.013
pull
Entries 78
Mean 93.11
Std Dev 49.57

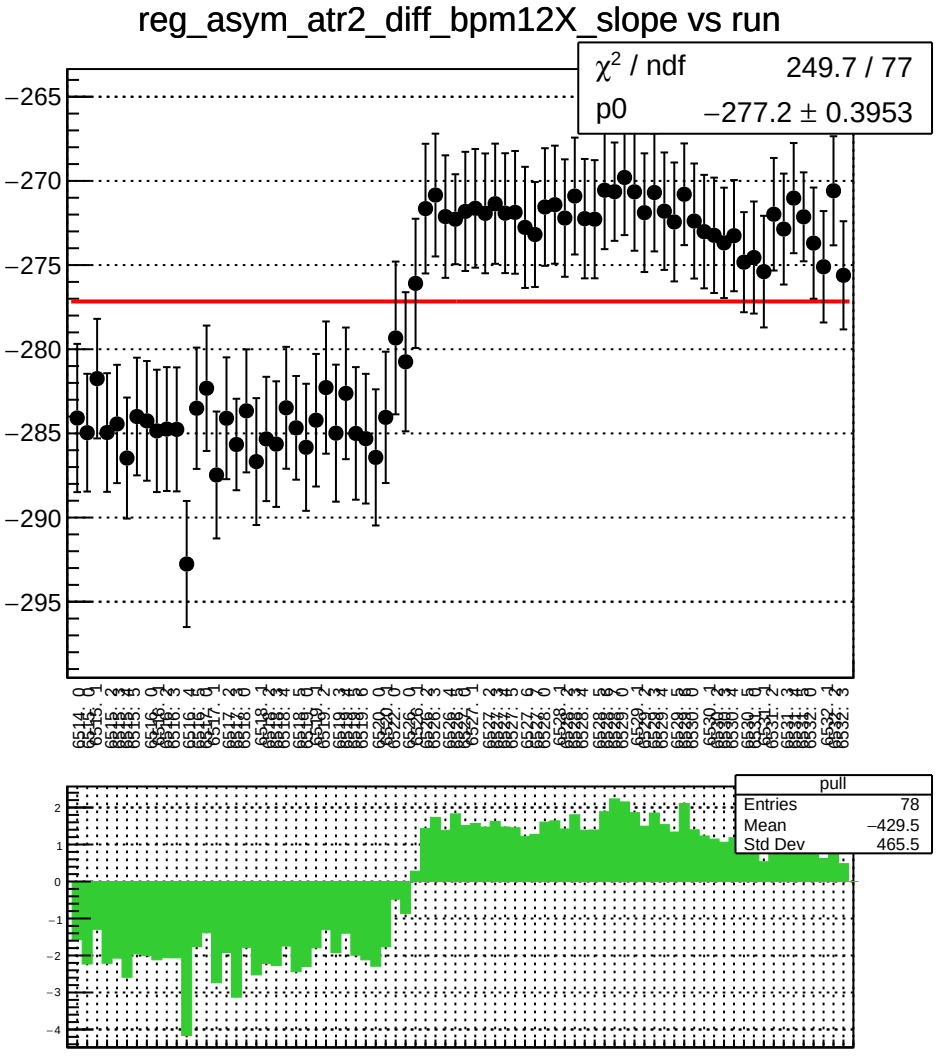

pull1D
Entries 78
Mean −0.1012
Std Dev 0.7312

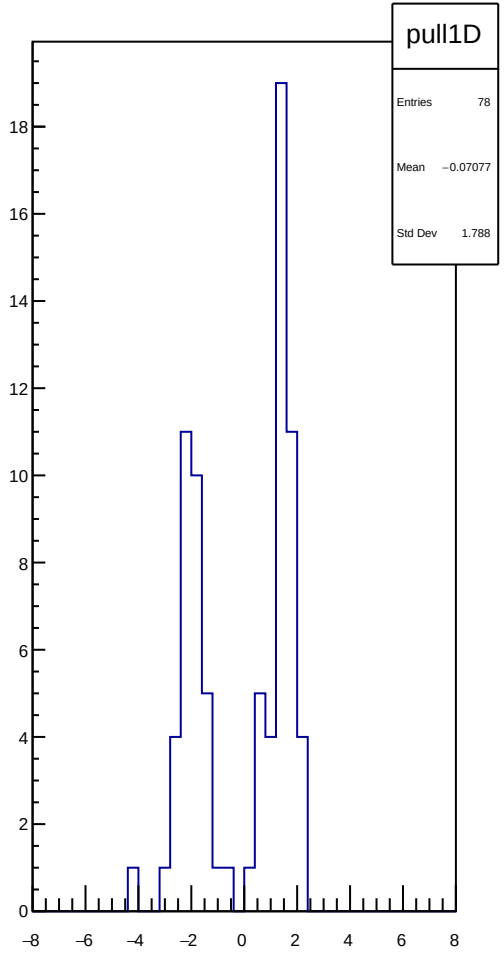

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 84.28 / 77
p0 483.2 ± 9.935
pull
Entries 78
Mean 160.4
Std Dev 122.3

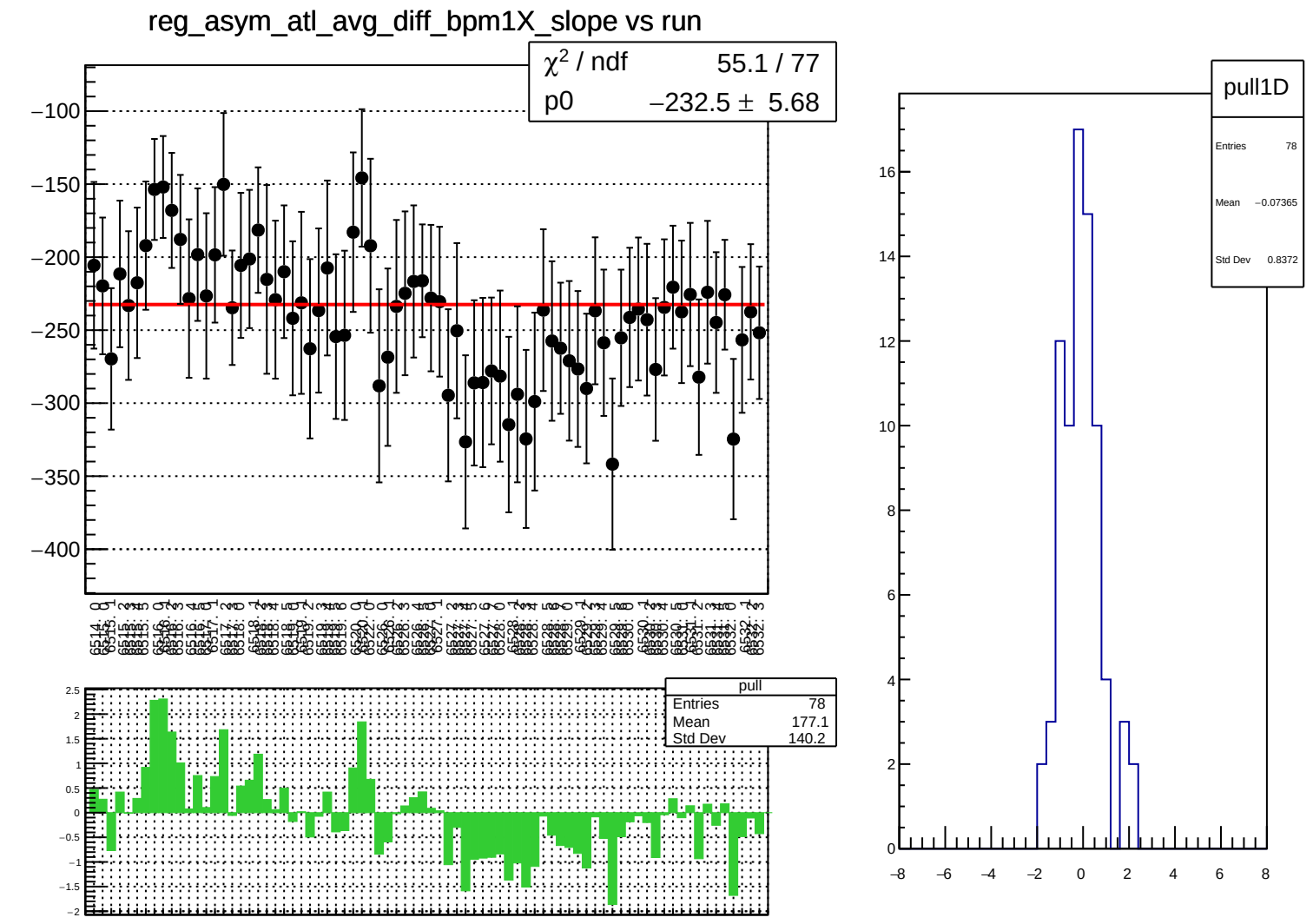

pull1D
Entries 78
Mean 0.1043
Std Dev 1.034

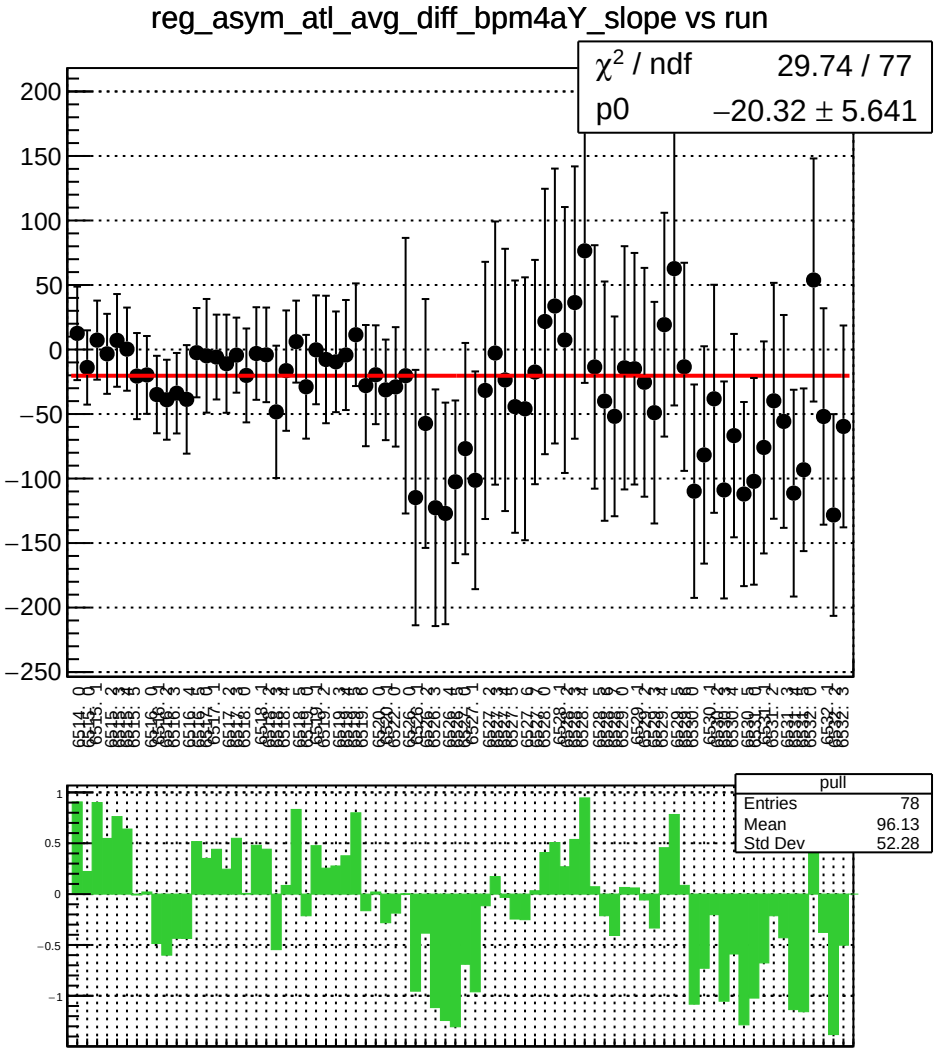

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 40.97 / 77
p0 197.6 ± 10.38
pull
Entries 78
Mean 135.9
Std Dev 94.13

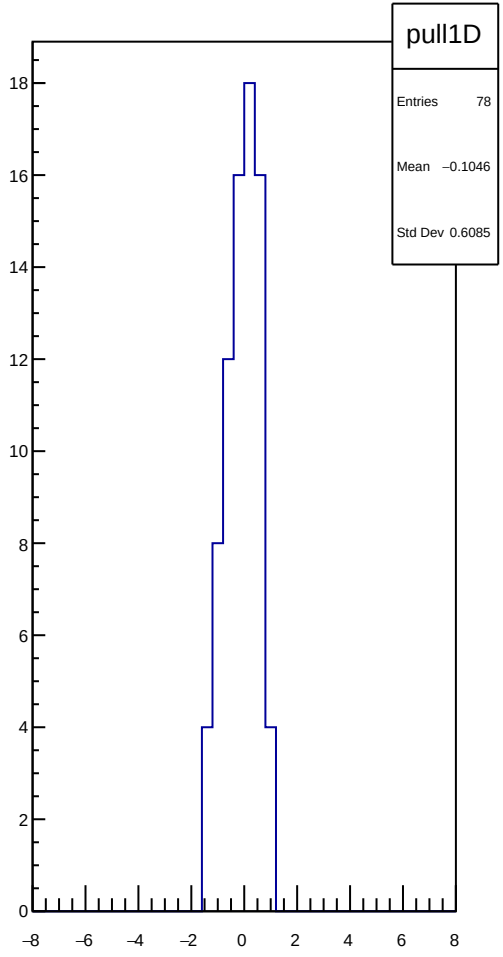

pull1D
Entries 78
Mean 0.04546
Std Dev 0.7233

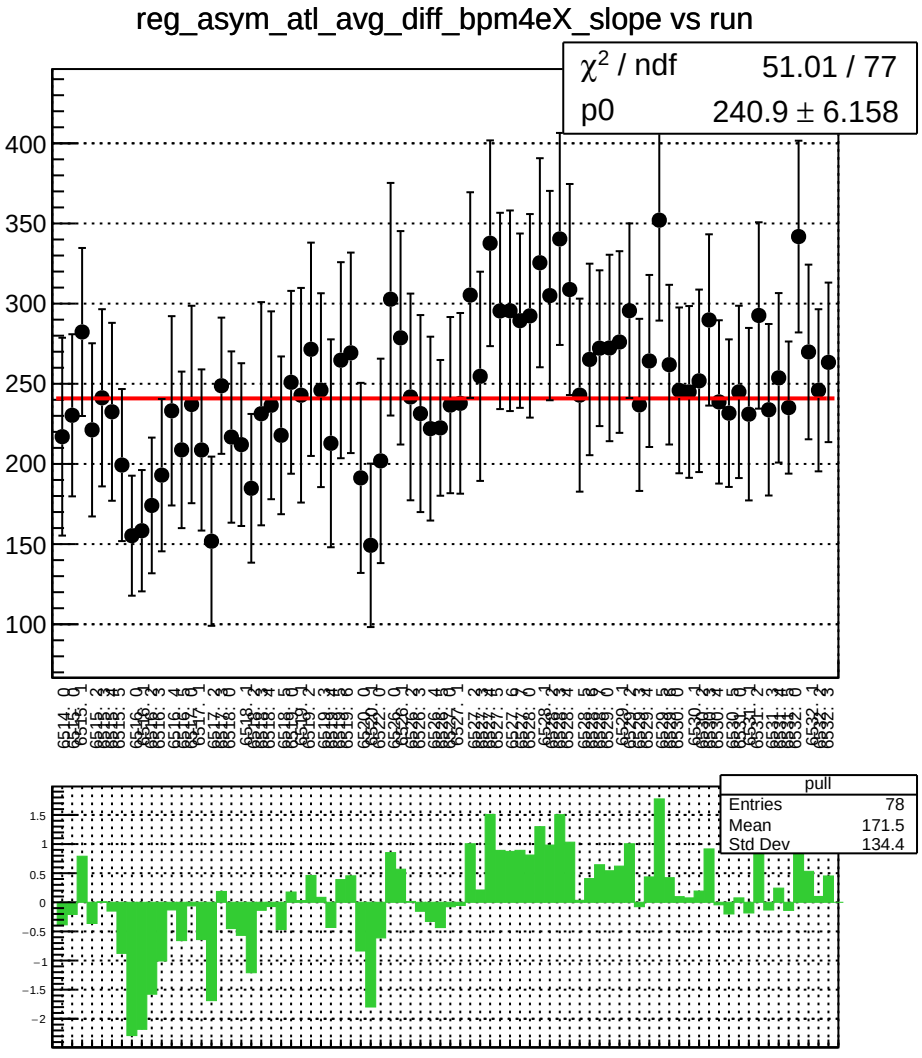

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 249.7 / 77
p0 −277.2 ± 0.3953
pull
Entries 78
Mean −429.5
Std Dev 465.5

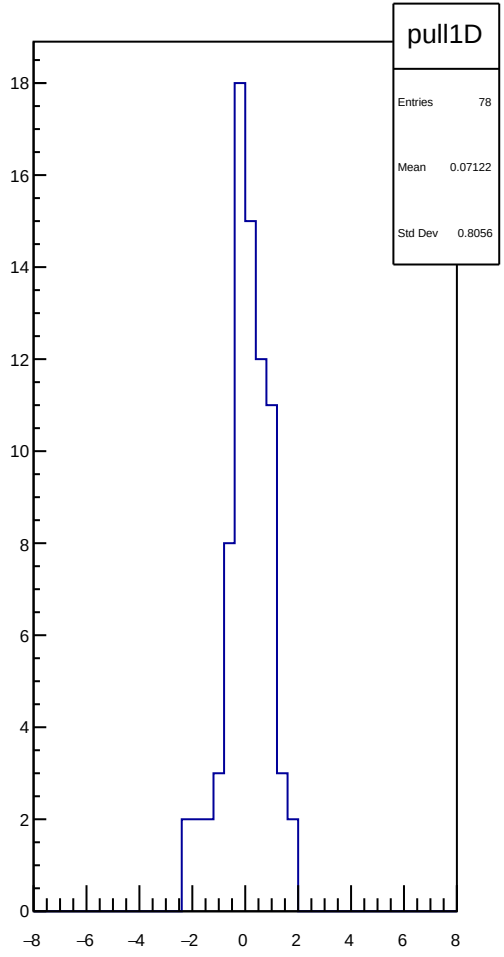

pull1D
Entries 78
Mean −0.07077
Std Dev 1.788

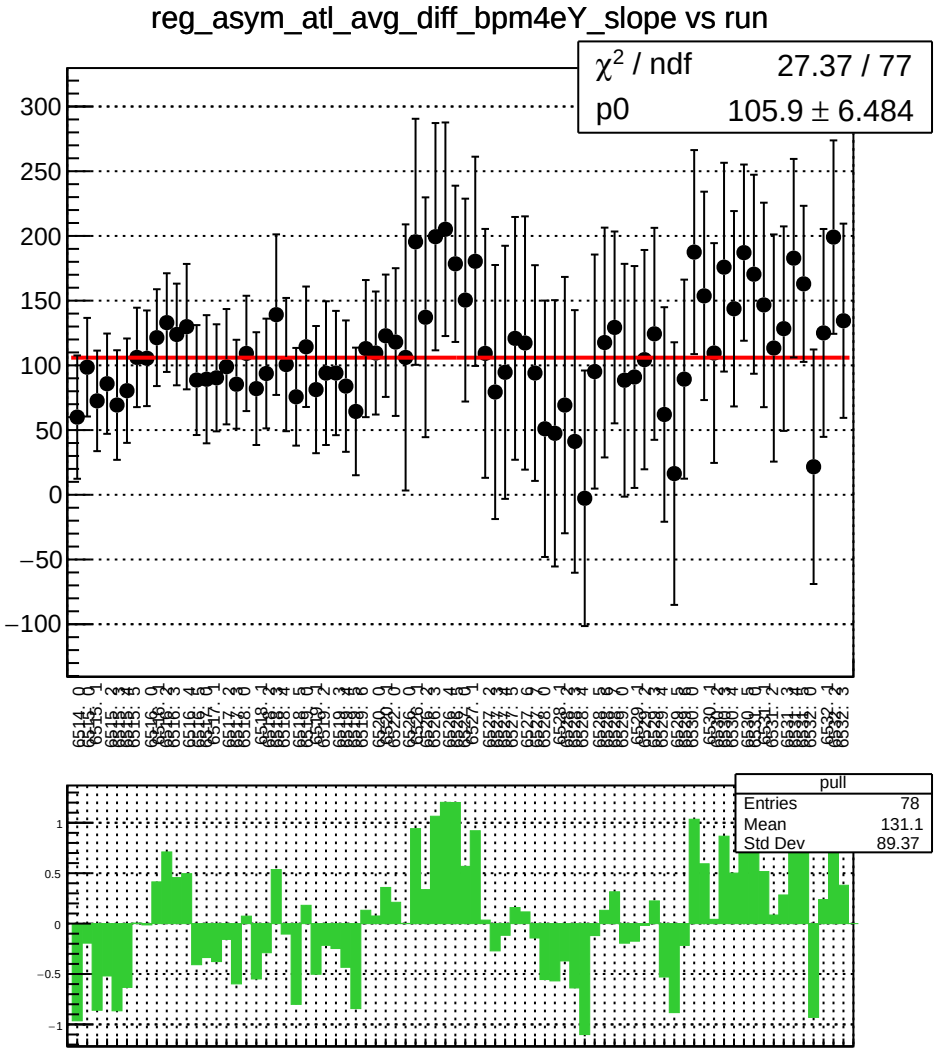

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 55.1 / 77
p0 −232.5 ± 5.68
pull
Entries 78
Mean 177.1
Std Dev 140.2
pull1D
Entries 78
Mean −0.07365
Std Dev 0.8372

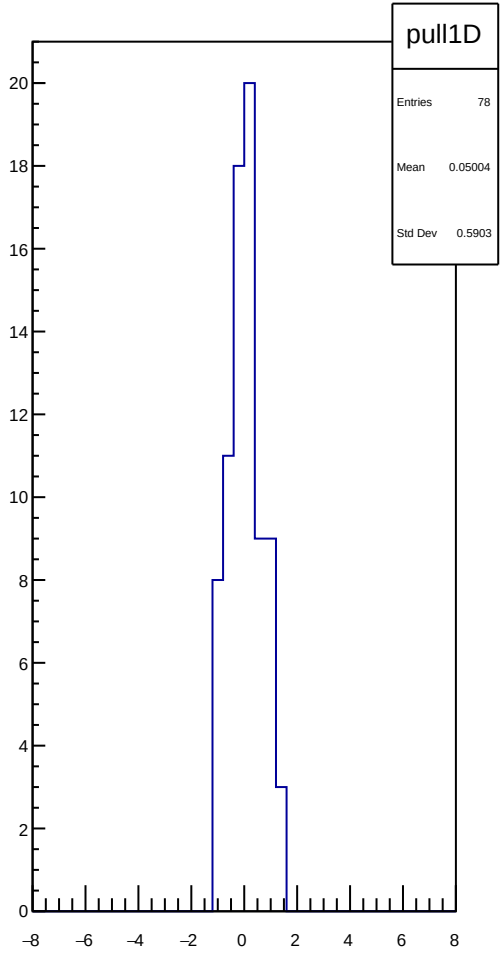

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.74 / 77
p0 −20.32 ± 5.641
pull
Entries 78
Mean 96.13
Std Dev 52.28

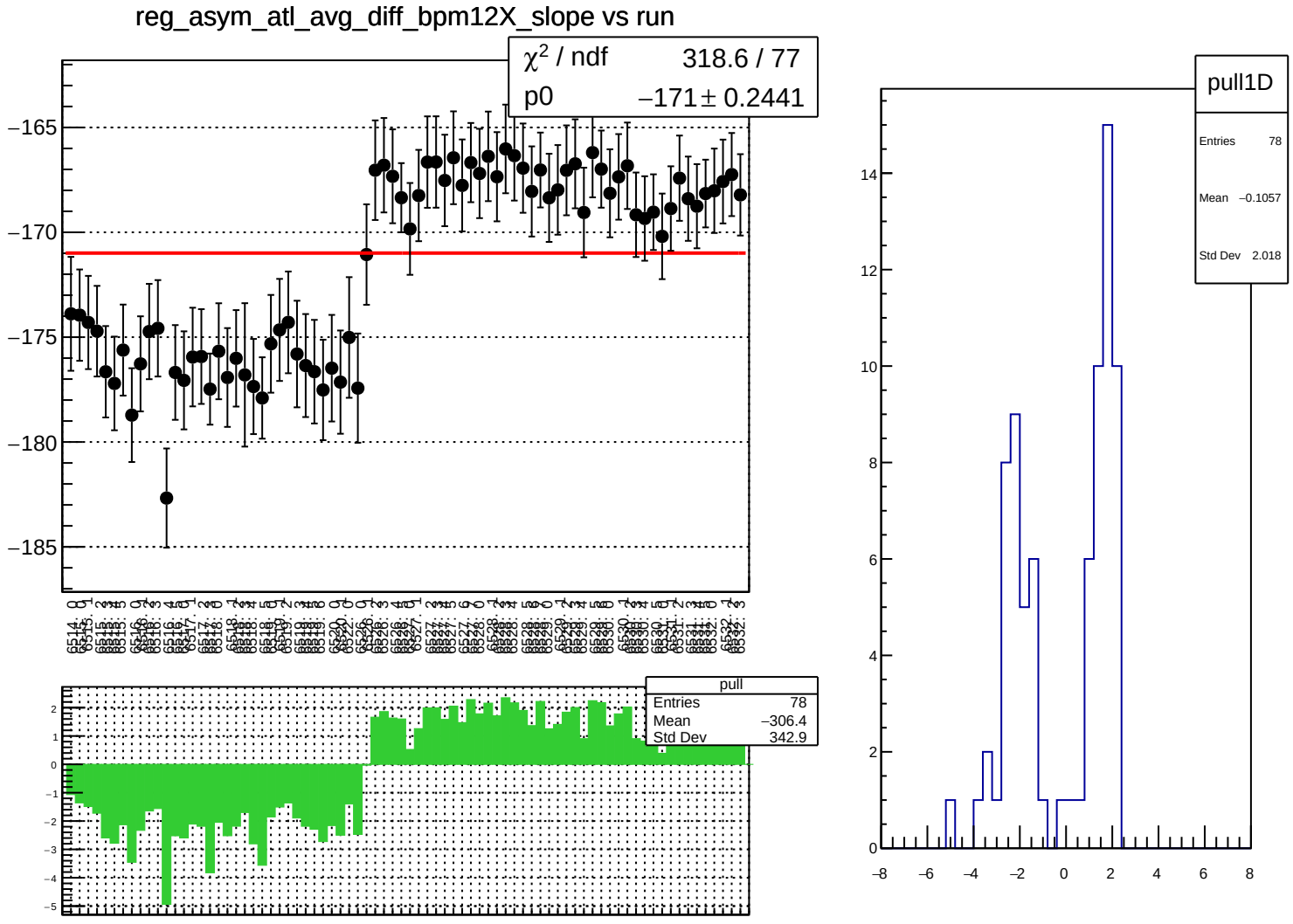

pull1D
Entries 78
Mean −0.1046
Std Dev 0.6085

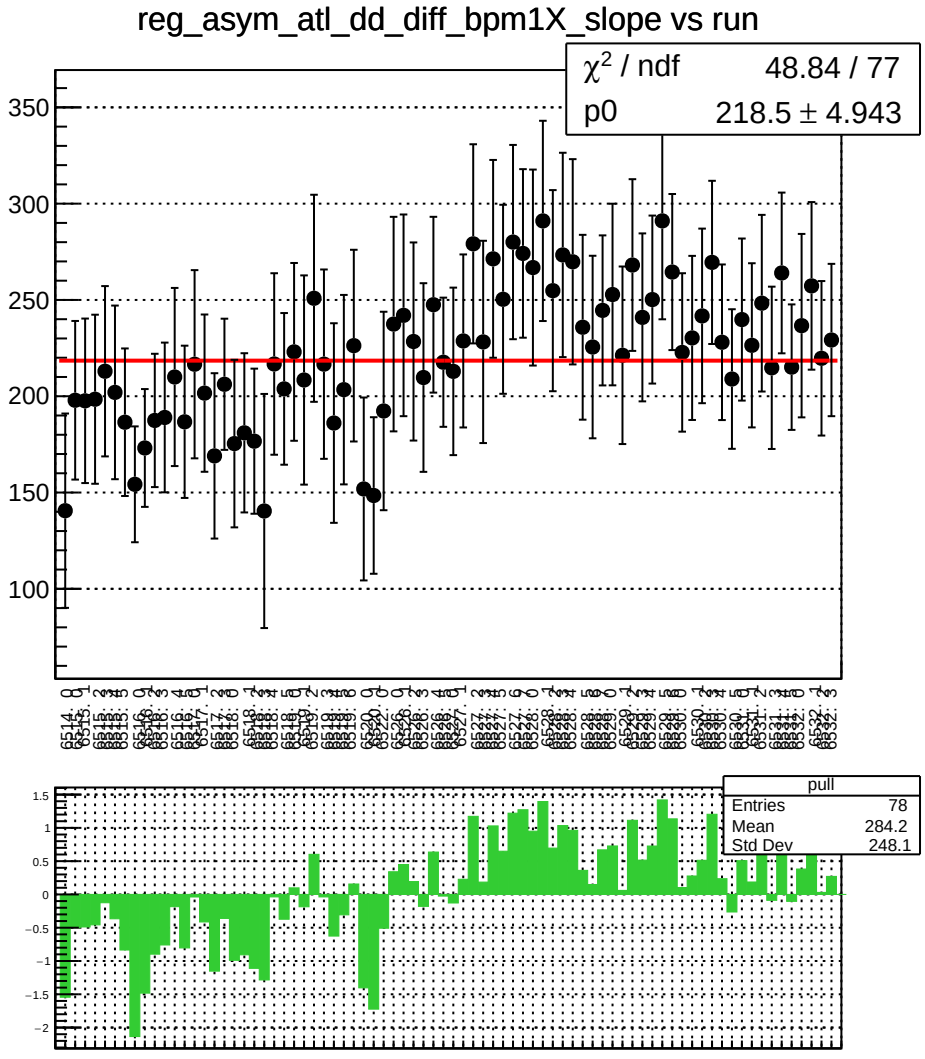

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.01 / 77
p0 240.9 ± 6.158
pull
Entries 78
Mean 171.5
Std Dev 134.4

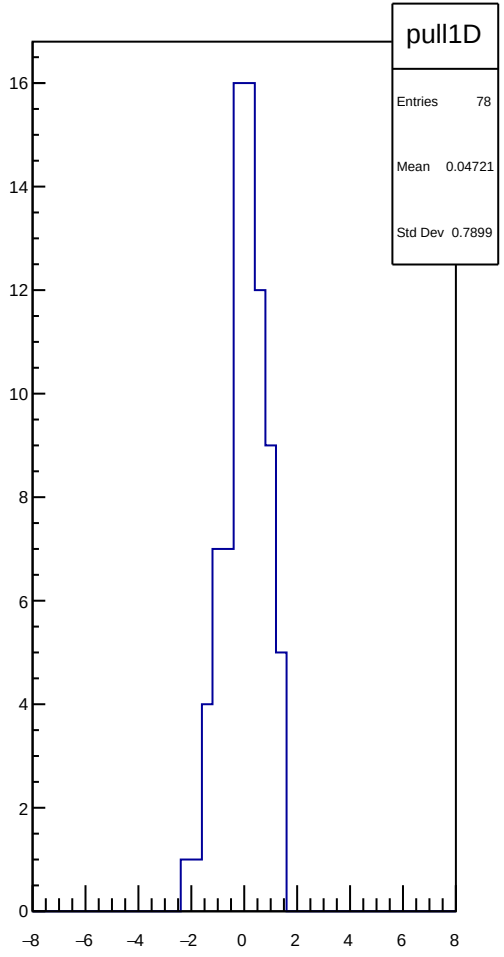

pull1D
Entries 78
Mean 0.07122
Std Dev 0.8056

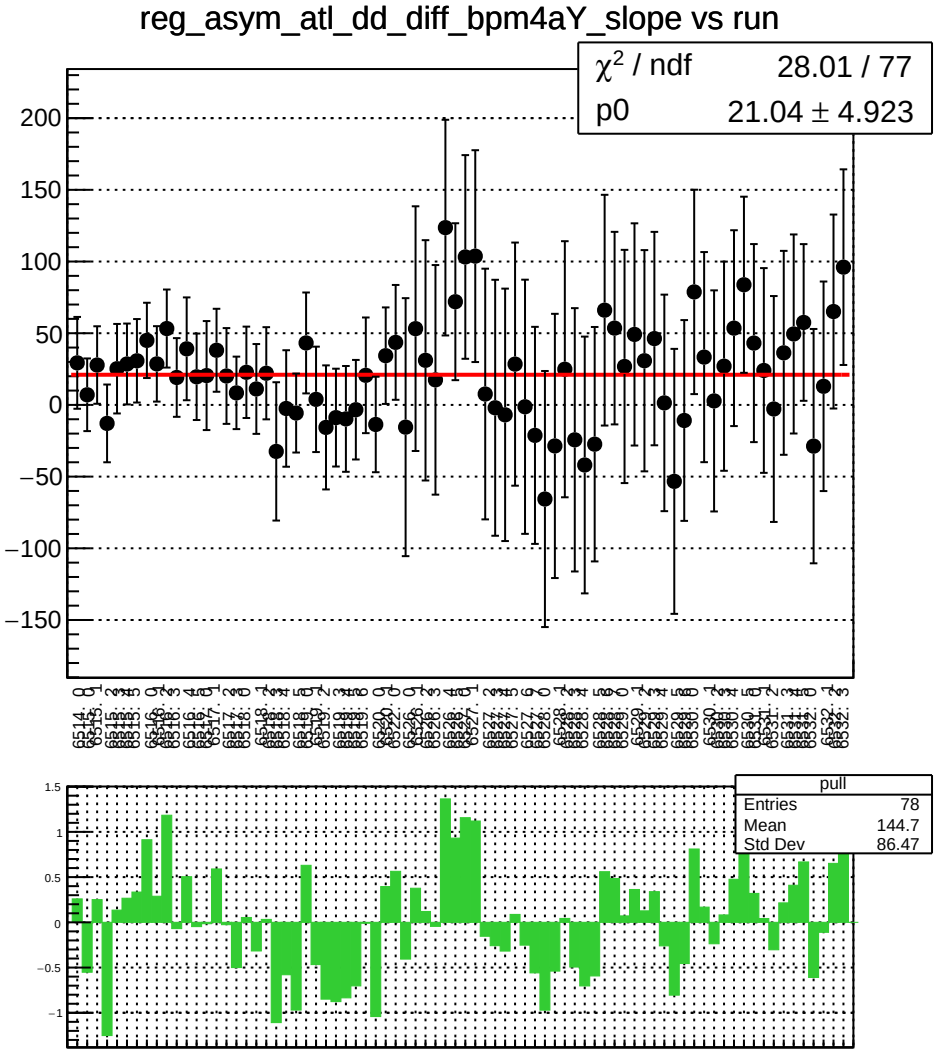

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.37 / 77
p0 105.9 ± 6.484
pull
Entries 78
Mean 131.1
Std Dev 89.37

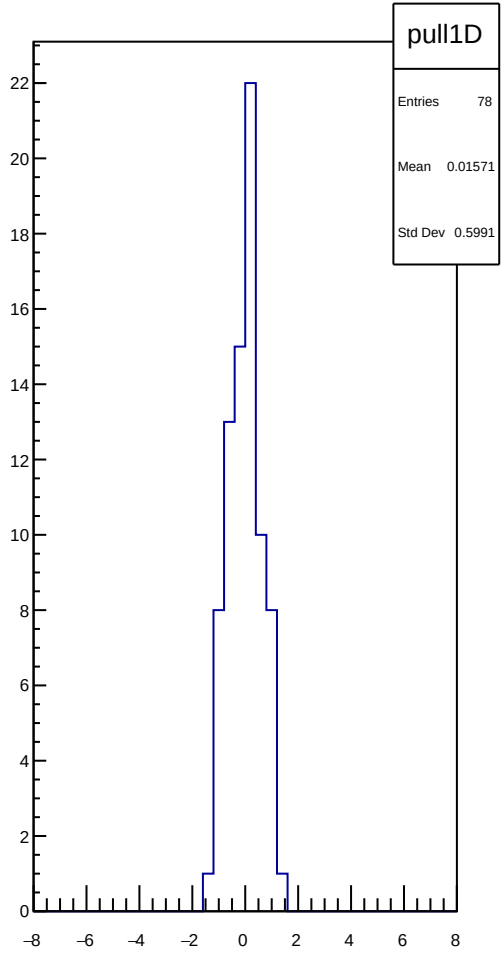

pull1D
Entries 78
Mean 0.05004
Std Dev 0.5903

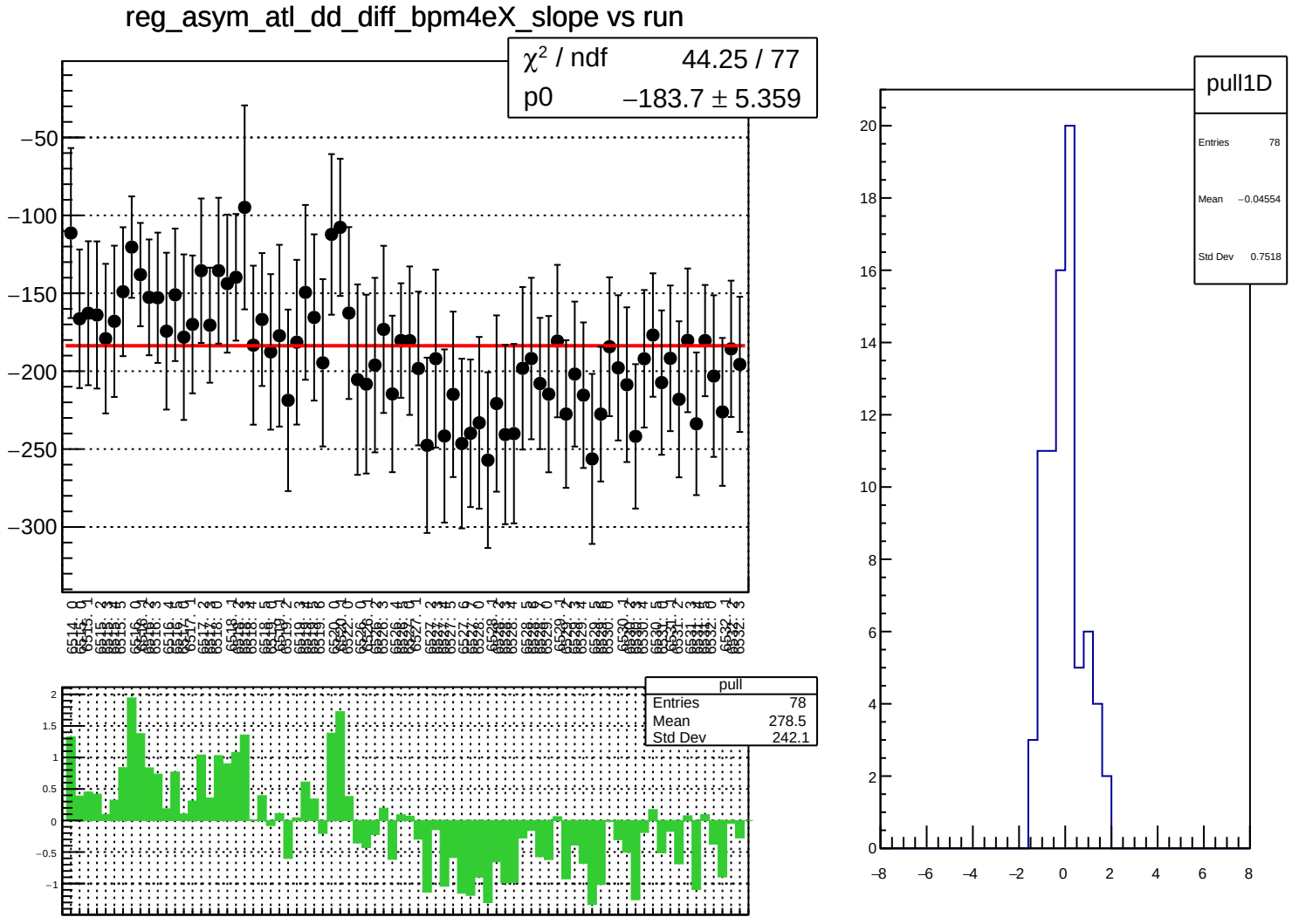

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 318.6 / 77
p0 −171 ± 0.2441
−165
−170
−175
−180
−185
pull
Entries 78
Mean −306.4
Std Dev 342.9
pull1D
Entries 78
Mean −0.1057
Std Dev 2.018

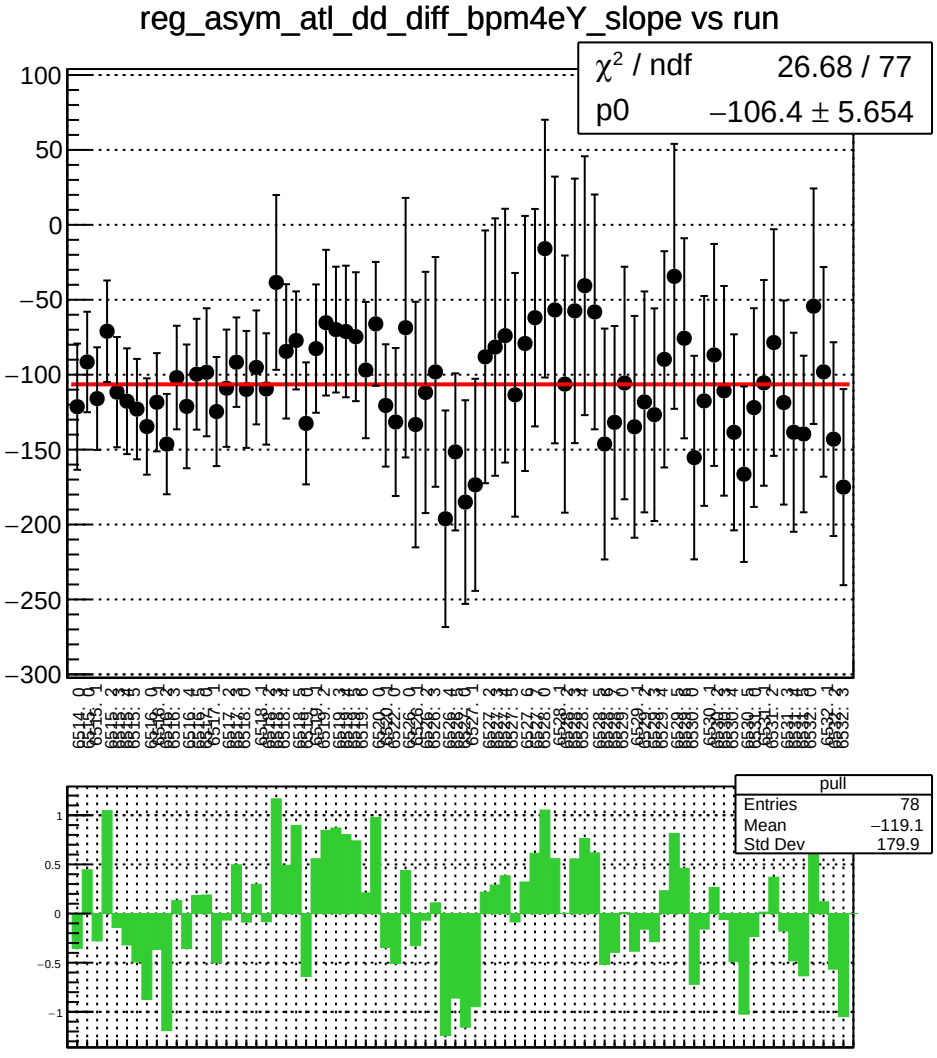

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 48.84 / 77
p0 218.5 ± 4.943
pull
Entries 78
Mean 284.2
Std Dev 248.1

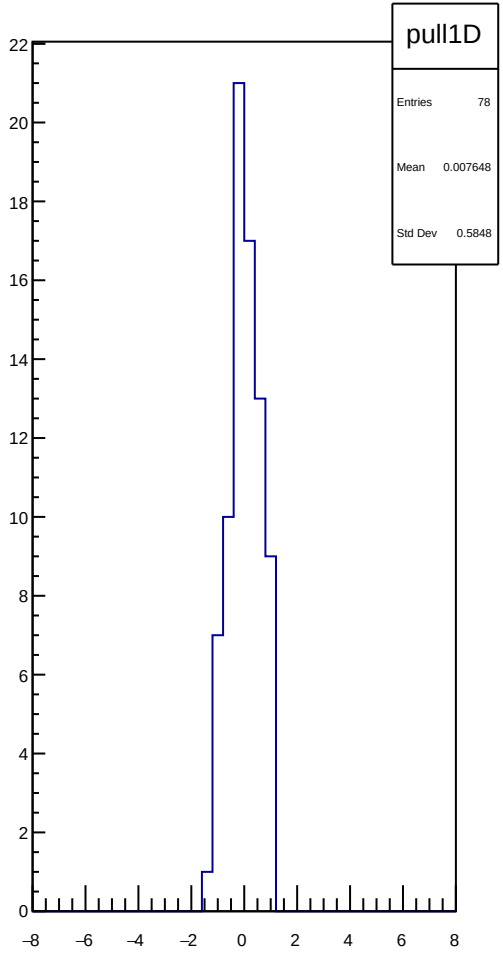

pull1D
Entries 78
Mean 0.04721
Std Dev 0.7899

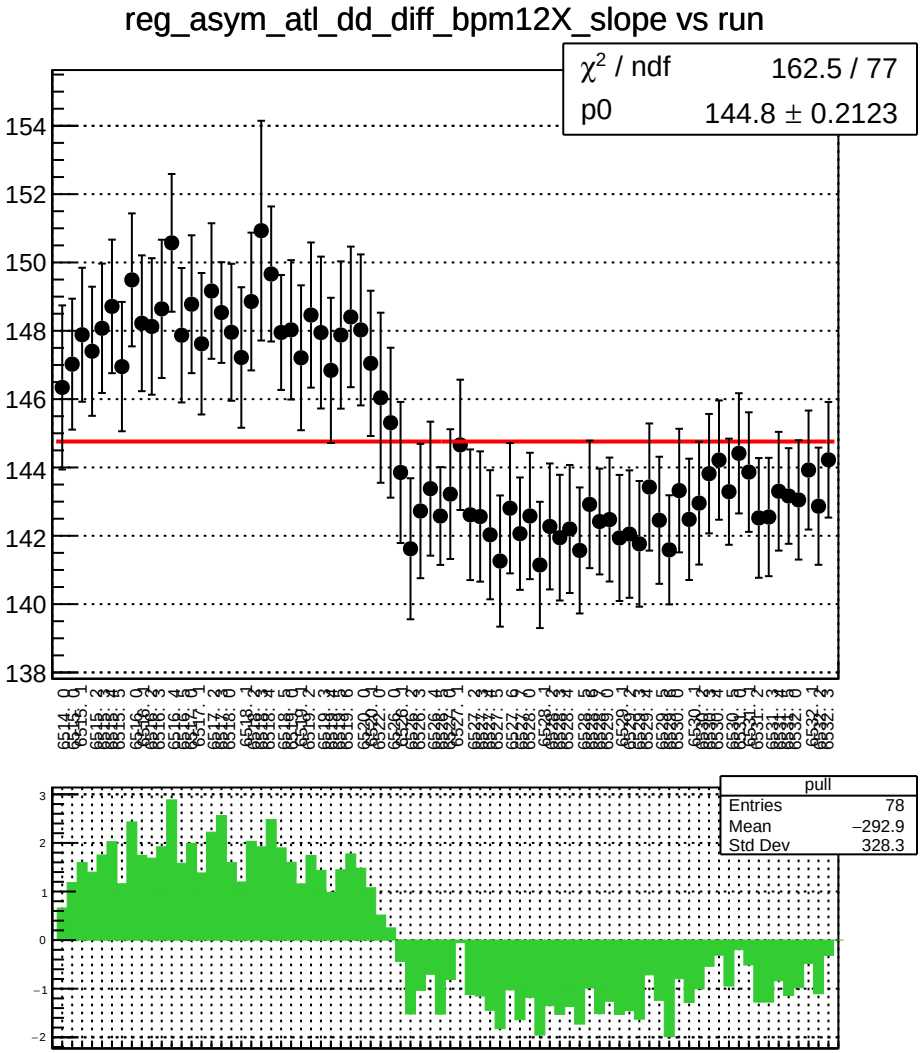

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 28.01 / 77
p0 21.04 ± 4.923
pull
Entries 78
Mean 144.7
Std Dev 86.47

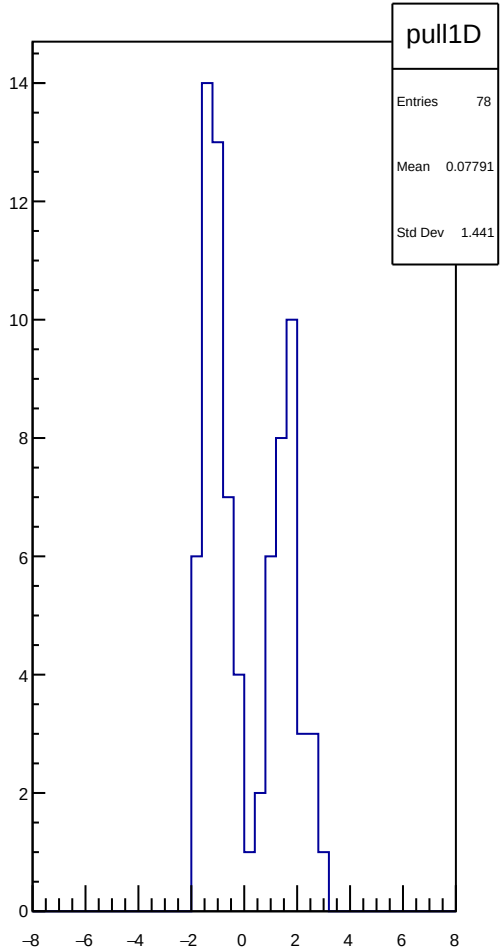

pull1D
Entries 78
Mean 0.01571
Std Dev 0.5991

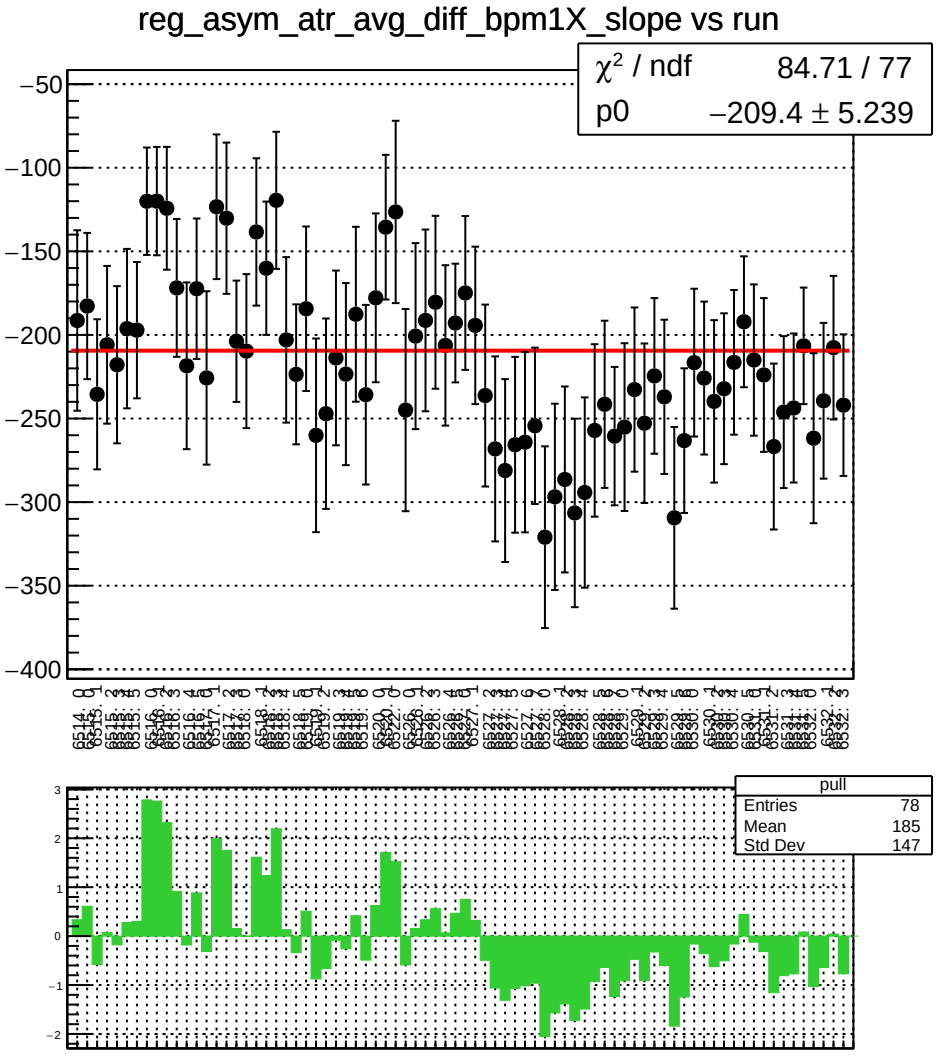

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.25 / 77
p0 −183.7 ± 5.359
pull
Entries 78
Mean 278.5
Std Dev 242.1
pull1D
Entries 78
Mean −0.04554
Std Dev 0.7518

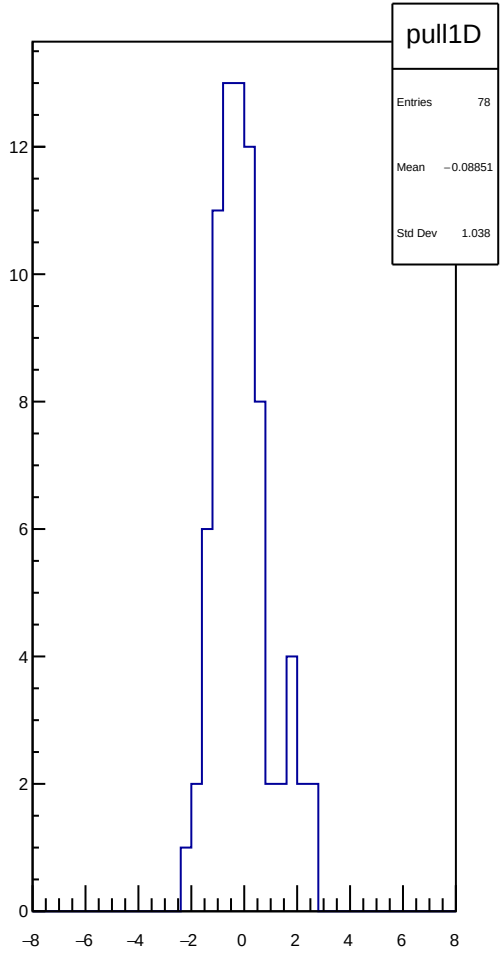

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.68 / 77
p0 −106.4 ± 5.654
pull
Entries 78
Mean −119.1
Std Dev 179.9

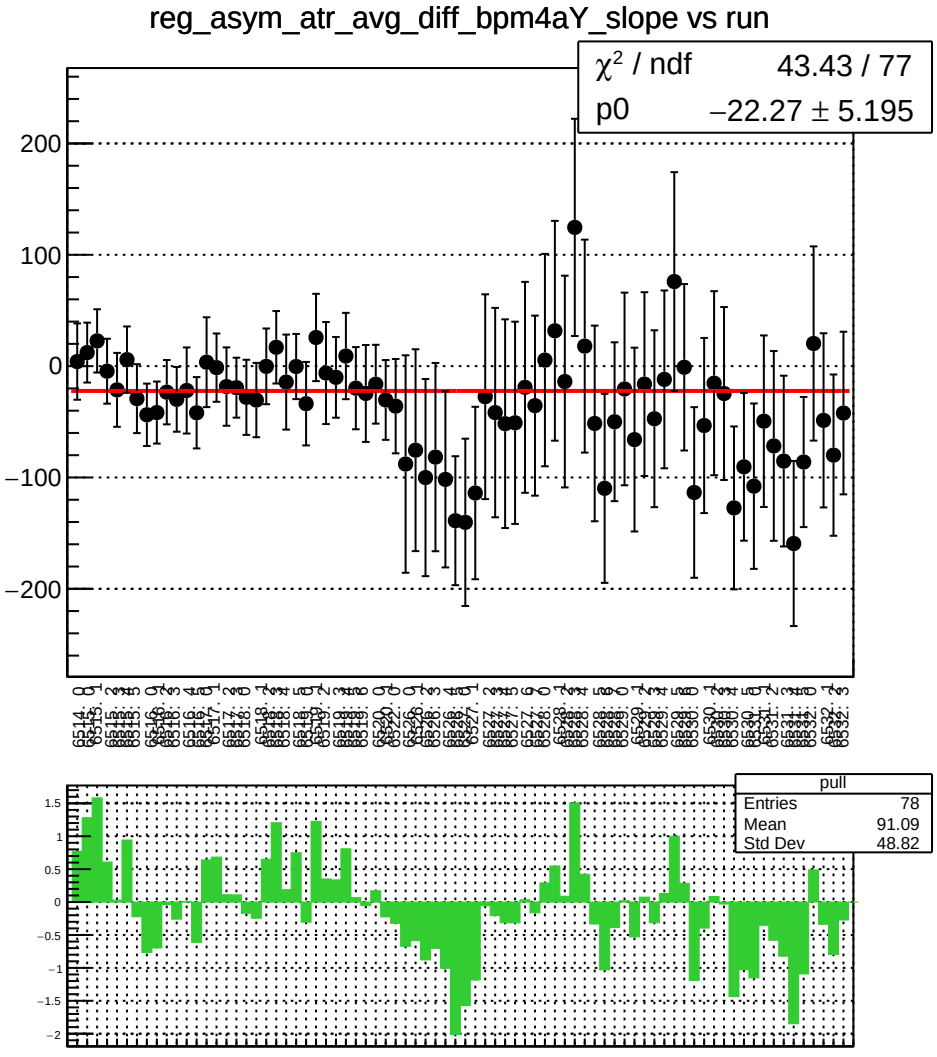

pull1D
Entries 78
Mean 0.007648
Std Dev 0.5848

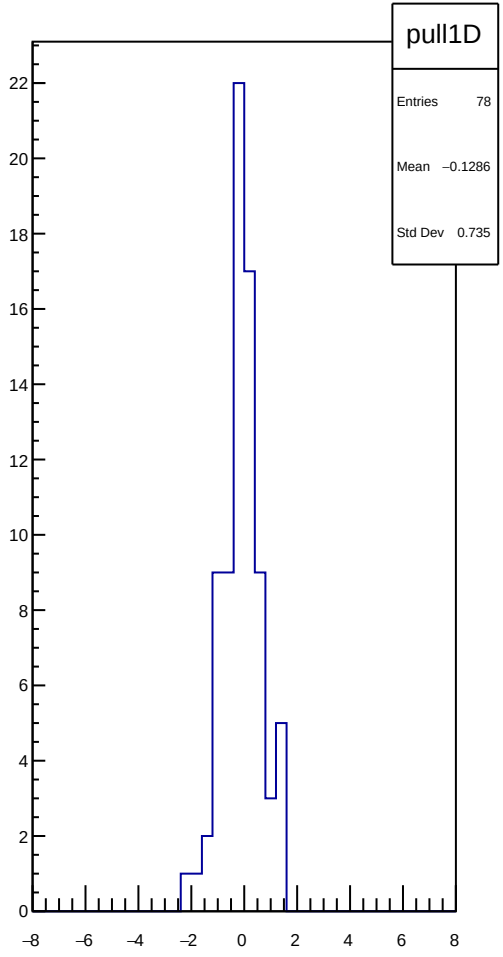

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 162.5 / 77
p0 144.8 ± 0.2123
pull
Entries 78
Mean −292.9
Std Dev 328.3

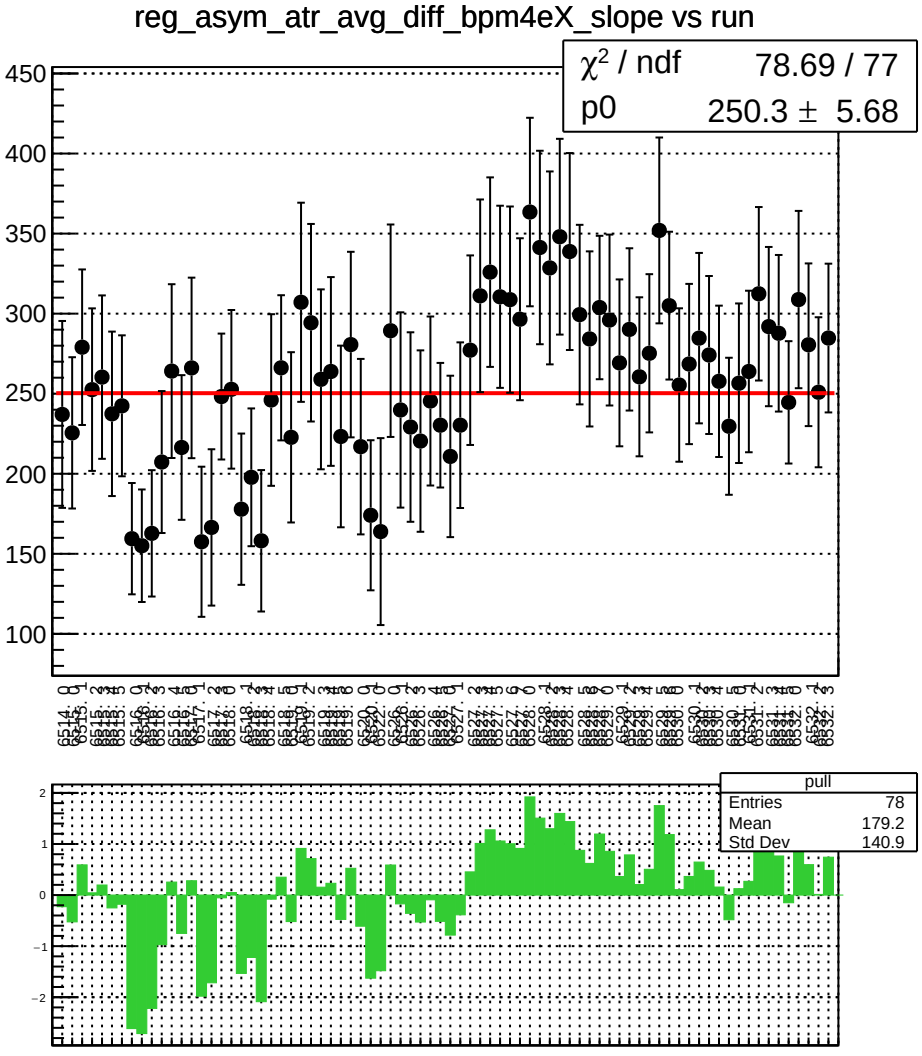

pull1D
Entries 78
Mean 0.07791
Std Dev 1.441

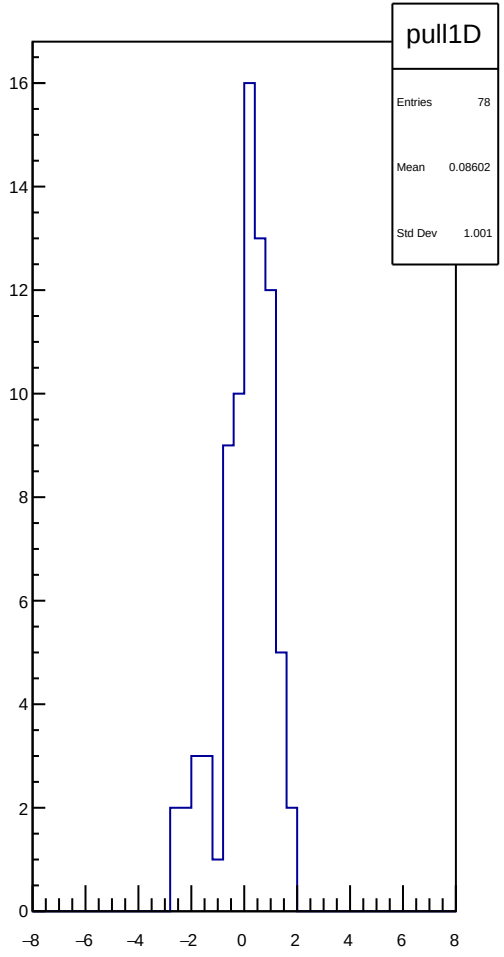

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 84.71 / 77
p0 −209.4 ± 5.239
pull
Entries 78
Mean 185
Std Dev 147

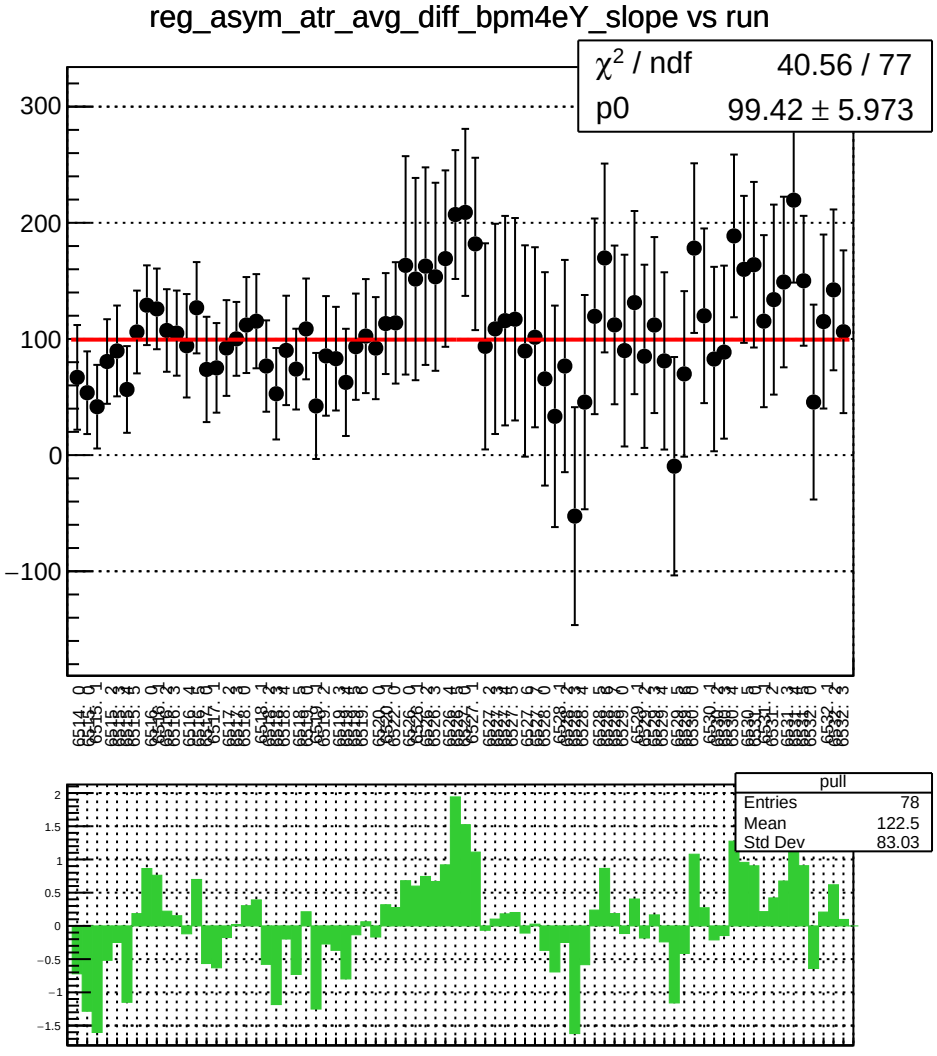

pull1D
Entries 78
Mean −0.08851
Std Dev 1.038

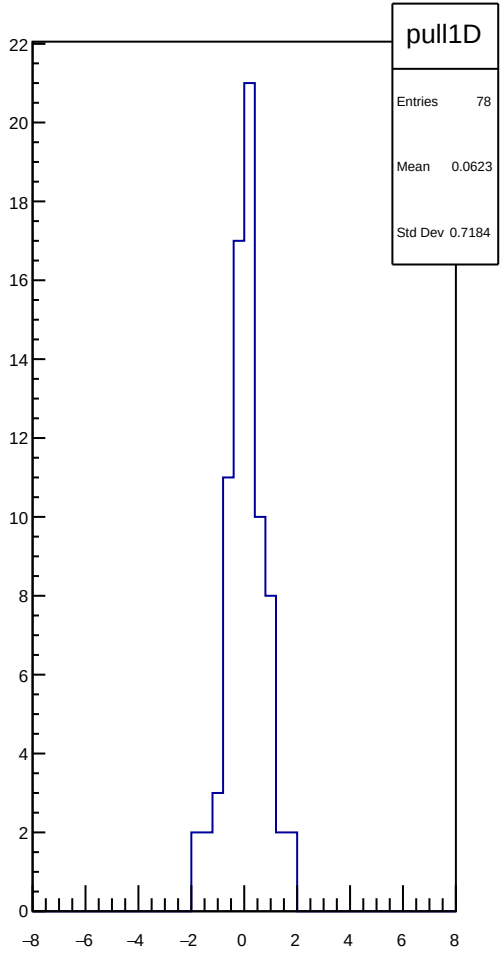

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.43 / 77
p0 −22.27 ± 5.195
pull
Entries 78
Mean 91.09
Std Dev 48.82

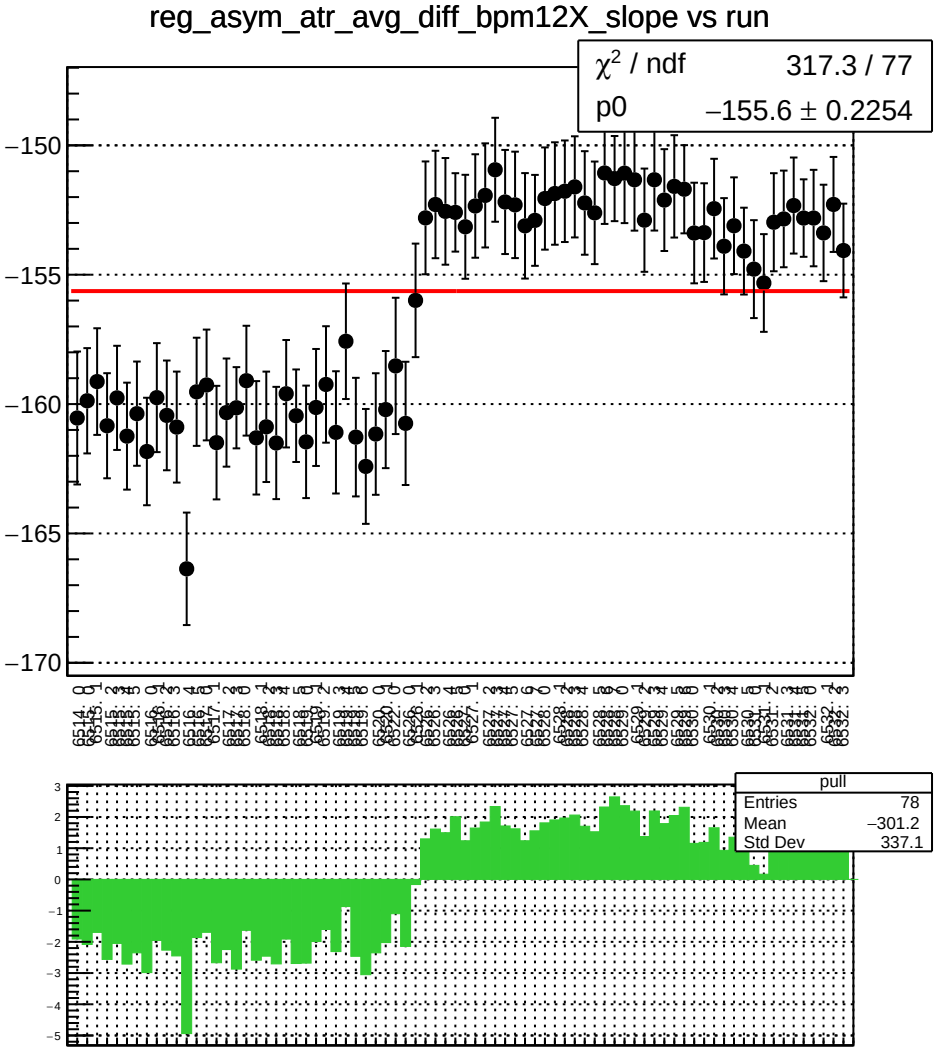

pull1D
Entries 78
Mean −0.1286
Std Dev 0.735

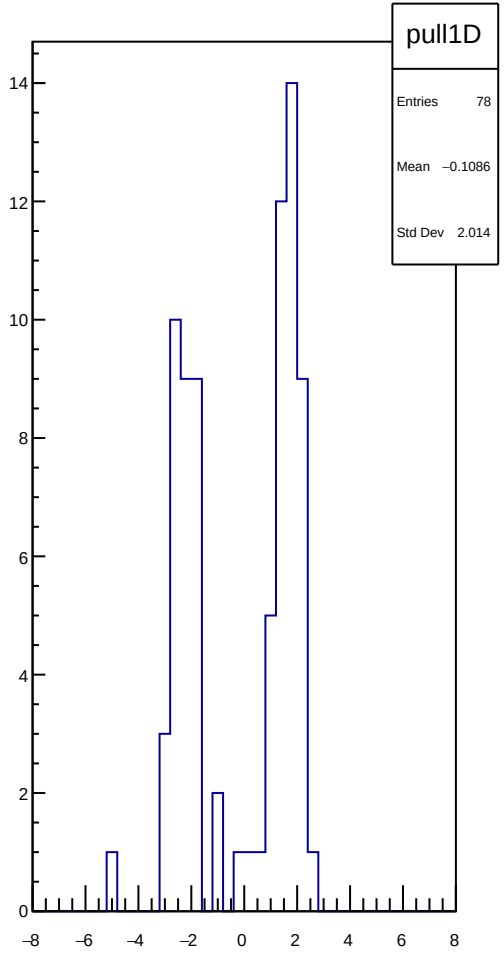

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 78.69 / 77
p0 250.3 ± 5.68
pull
Entries 78
Mean 179.2
Std Dev 140.9

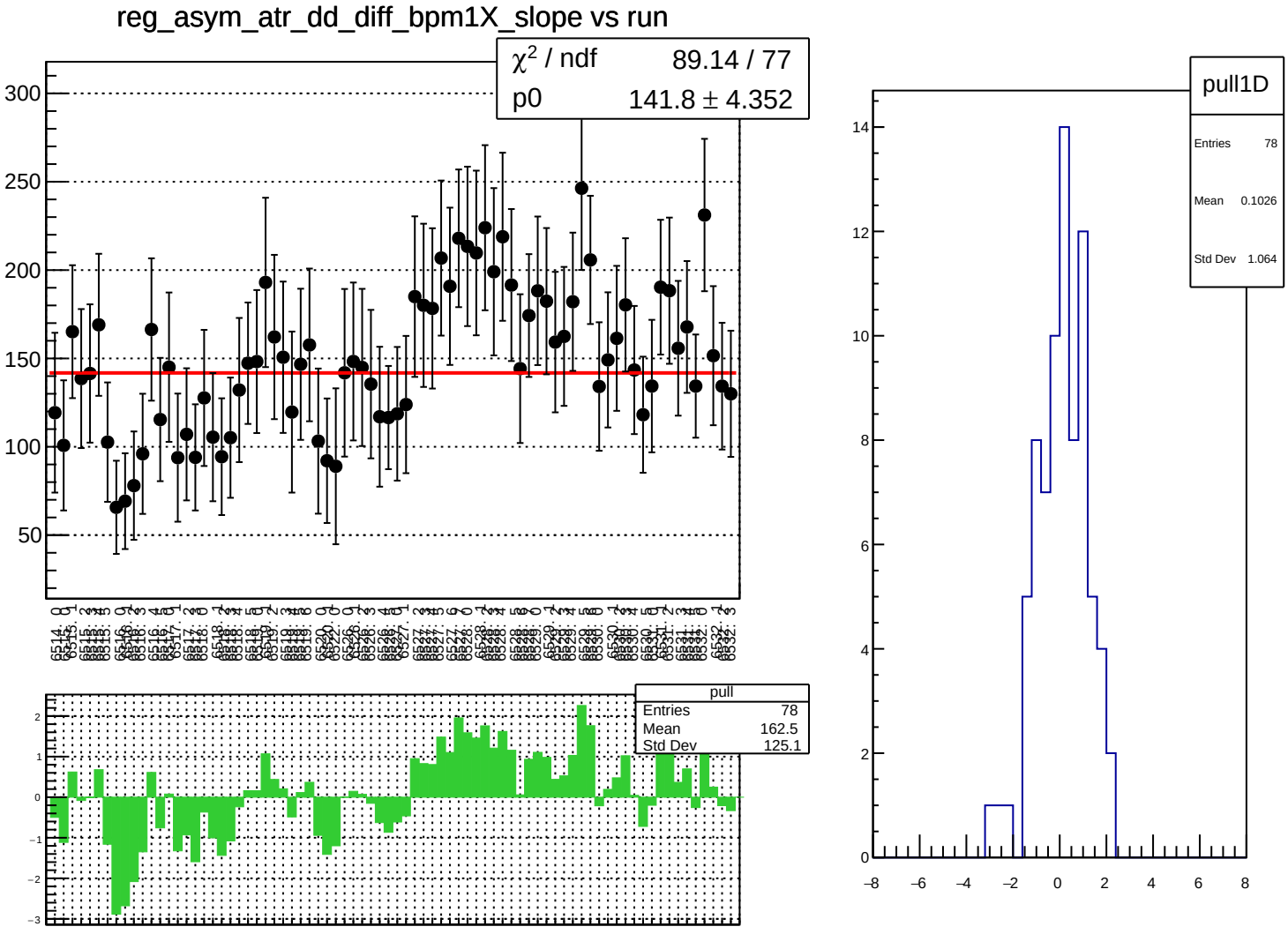

pull1D
Entries 78
Mean 0.08602
Std Dev 1.001

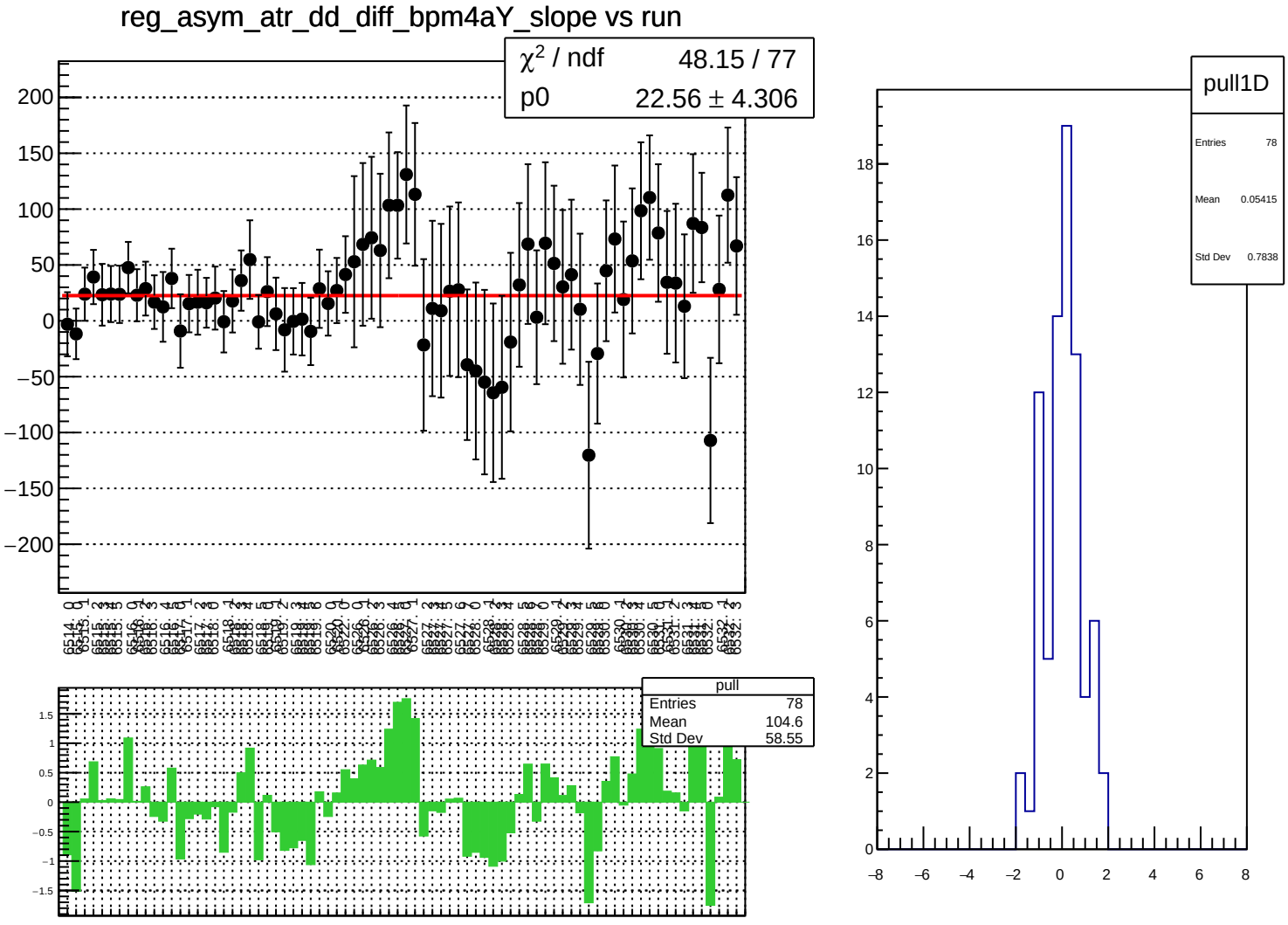

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 40.56 / 77
p0 99.42 ± 5.973
pull
Entries 78
Mean 122.5
Std Dev 83.03

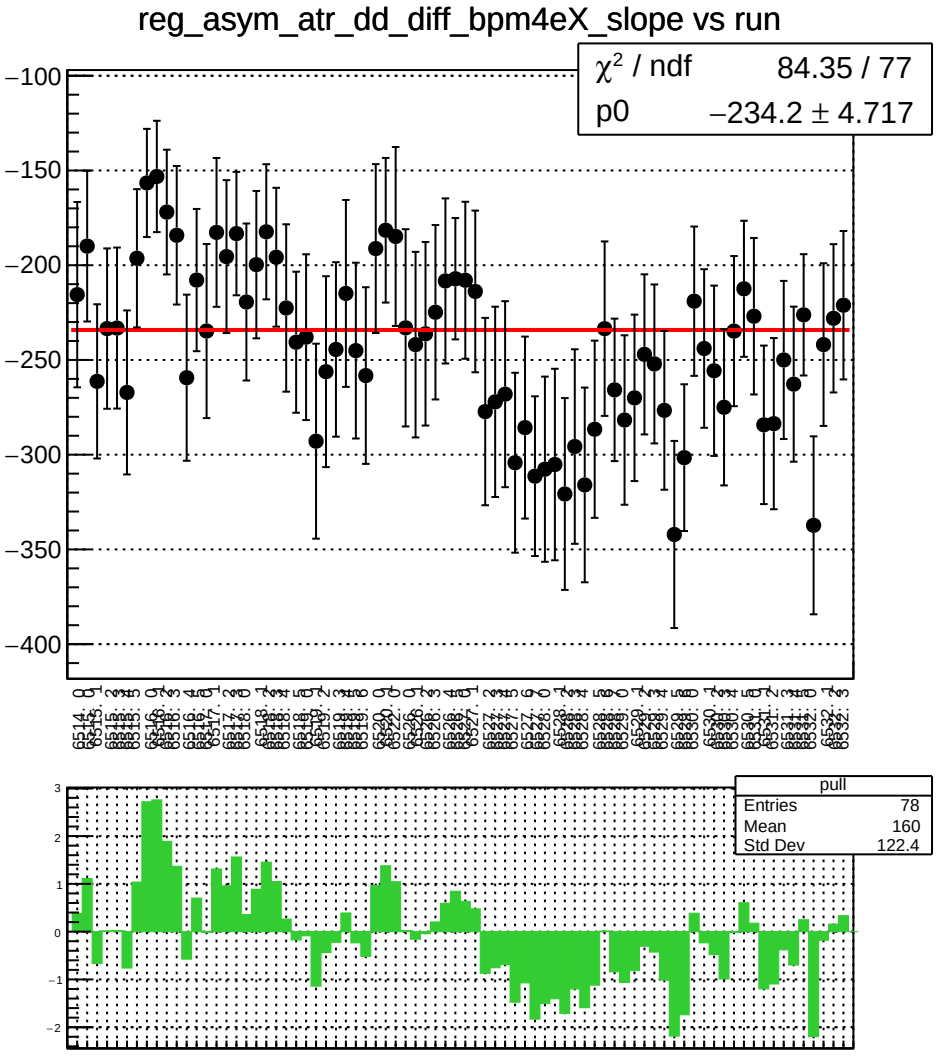

pull1D
Entries 78
Mean 0.0623
Std Dev 0.7184

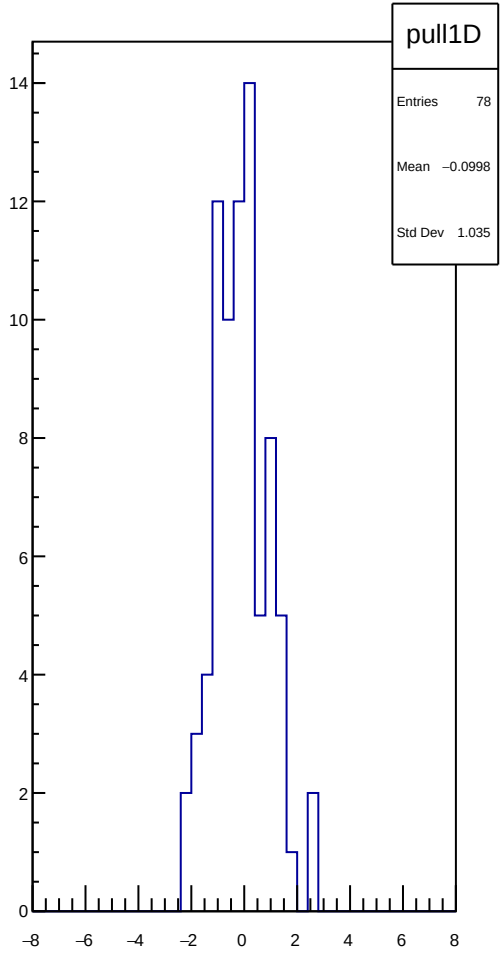

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 317.3 / 77
p0 −155.6 ± 0.2254
pull
Entries 78
Mean −301.2
Std Dev 337.1

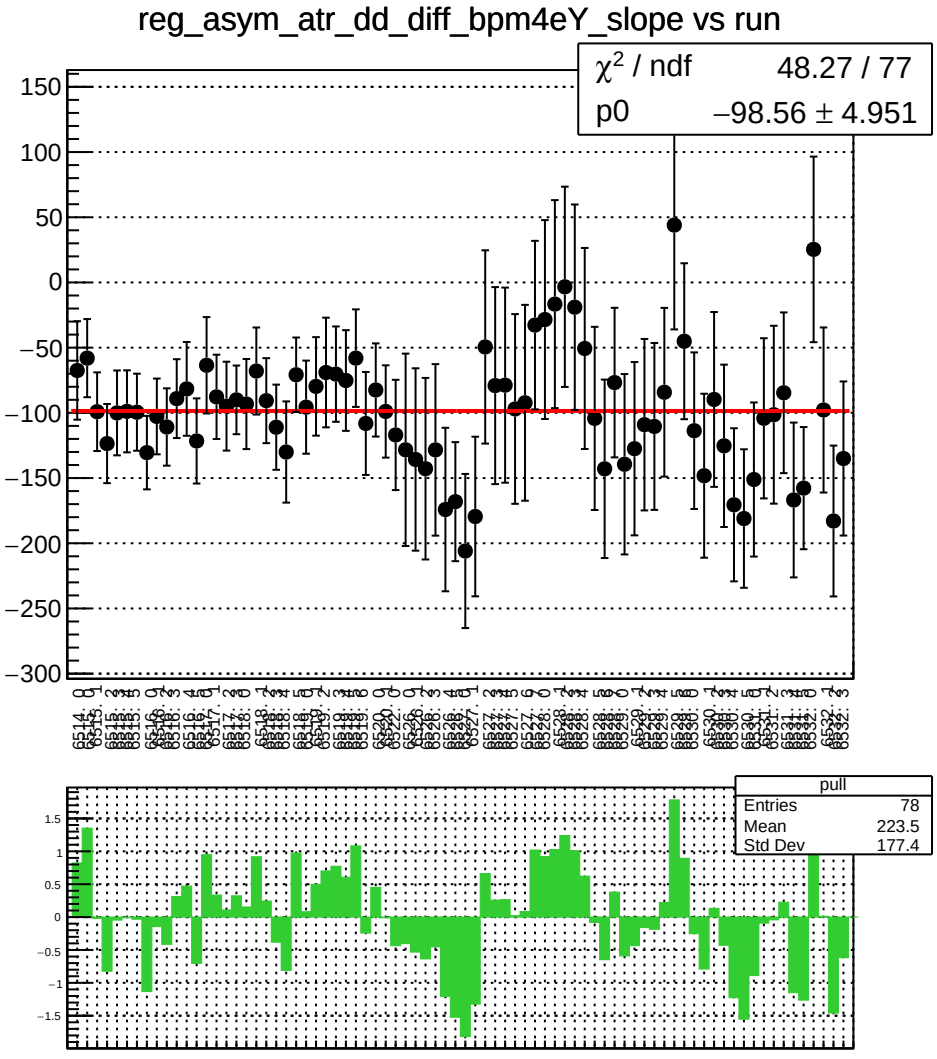

pull1D
Entries 78
Mean −0.1086
Std Dev 2.014

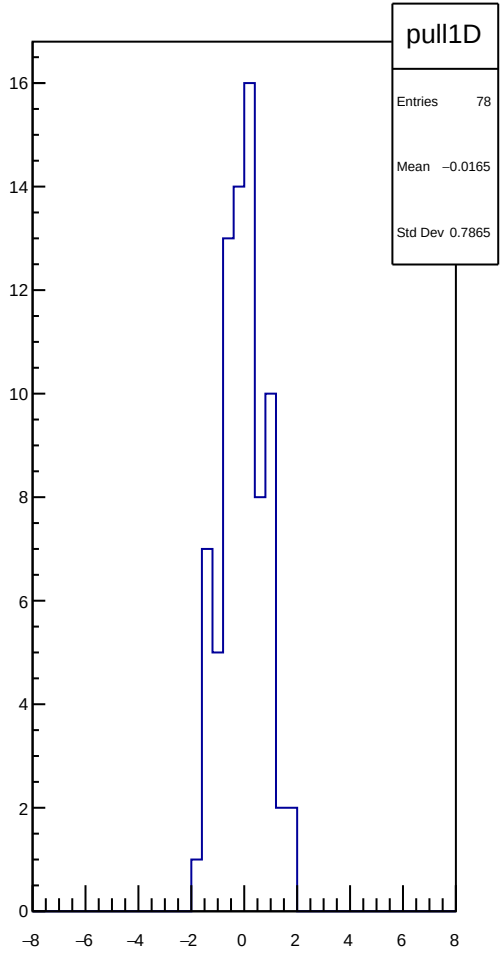

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ2 / ndf 89.14 / 77
p0 141.8 ± 4.352
pull
Entries 78
Mean 162.5
Std Dev 125.1
pull1D
Entries 78
Mean 0.1026
Std Dev 1.064

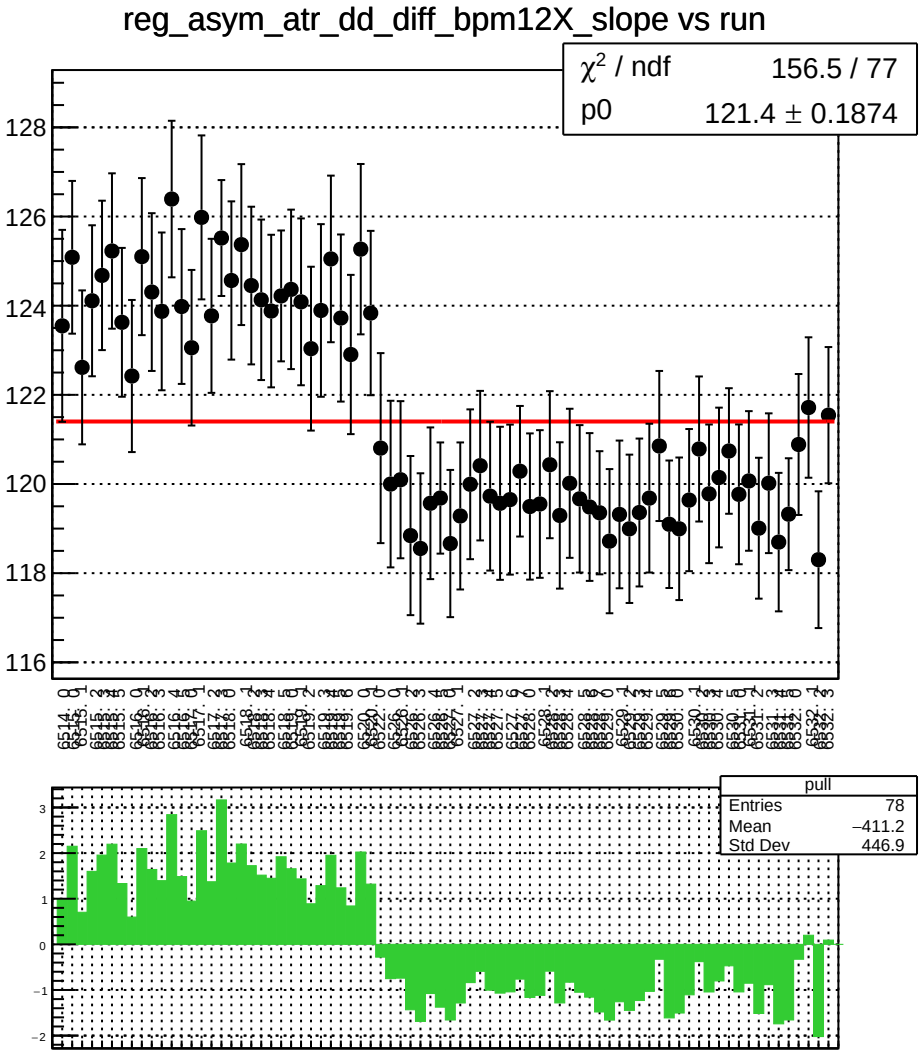

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 48.15 / 77
p0 22.56 ± 4.306
pull
Entries 78
Mean 104.6
Std Dev 58.55
pull1D
Entries 78
Mean 0.05415
Std Dev 0.7838

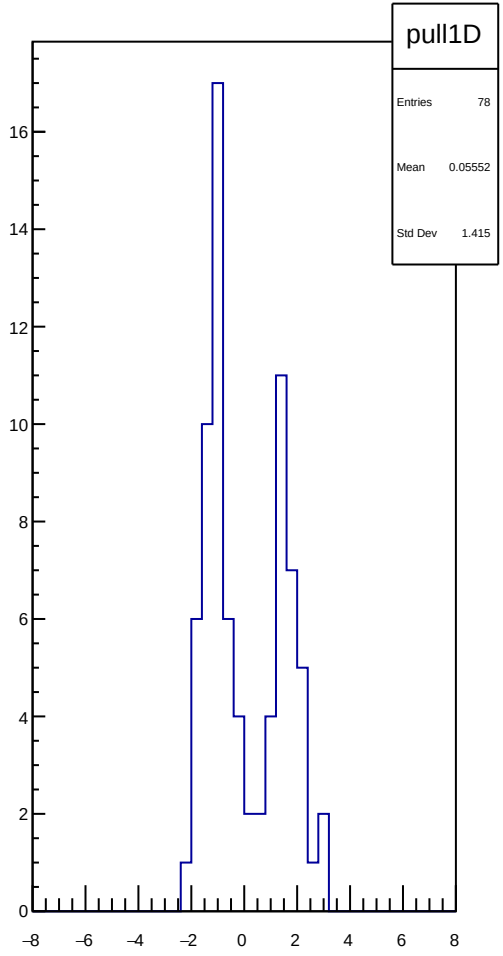

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.35 / 77
p0 −234.2 ± 4.717
pull
Entries 78
Mean 160
Std Dev 122.4

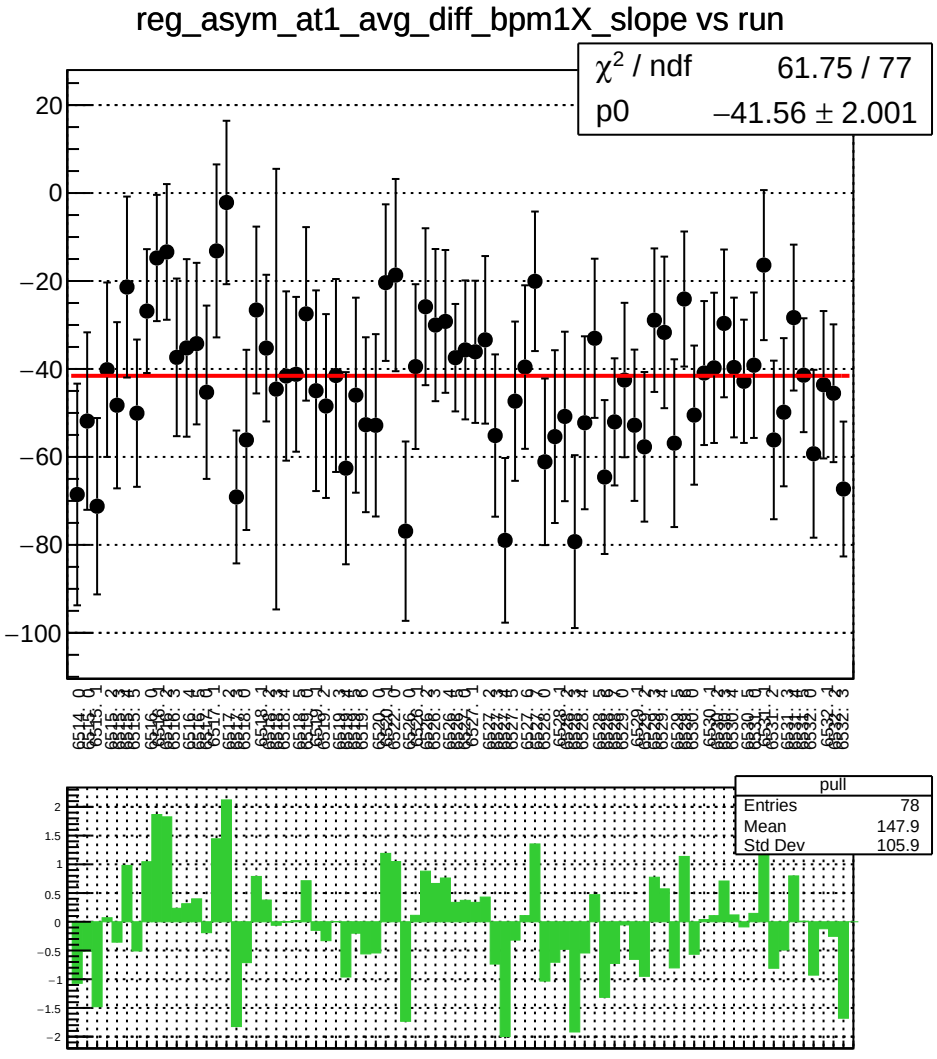

pull1D
Entries 78
Mean −0.0998
Std Dev 1.035

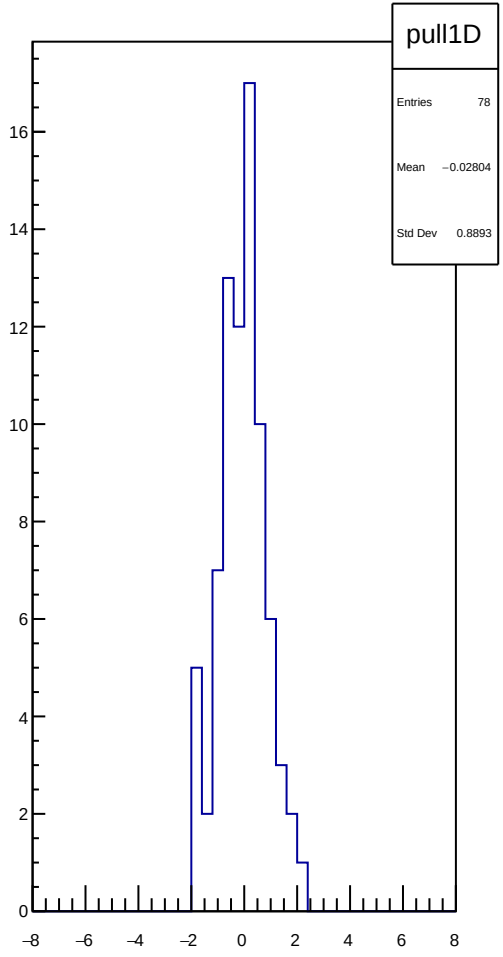

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.27 / 77
p0 −98.56 ± 4.951
pull
Entries 78
Mean 223.5
Std Dev 177.4

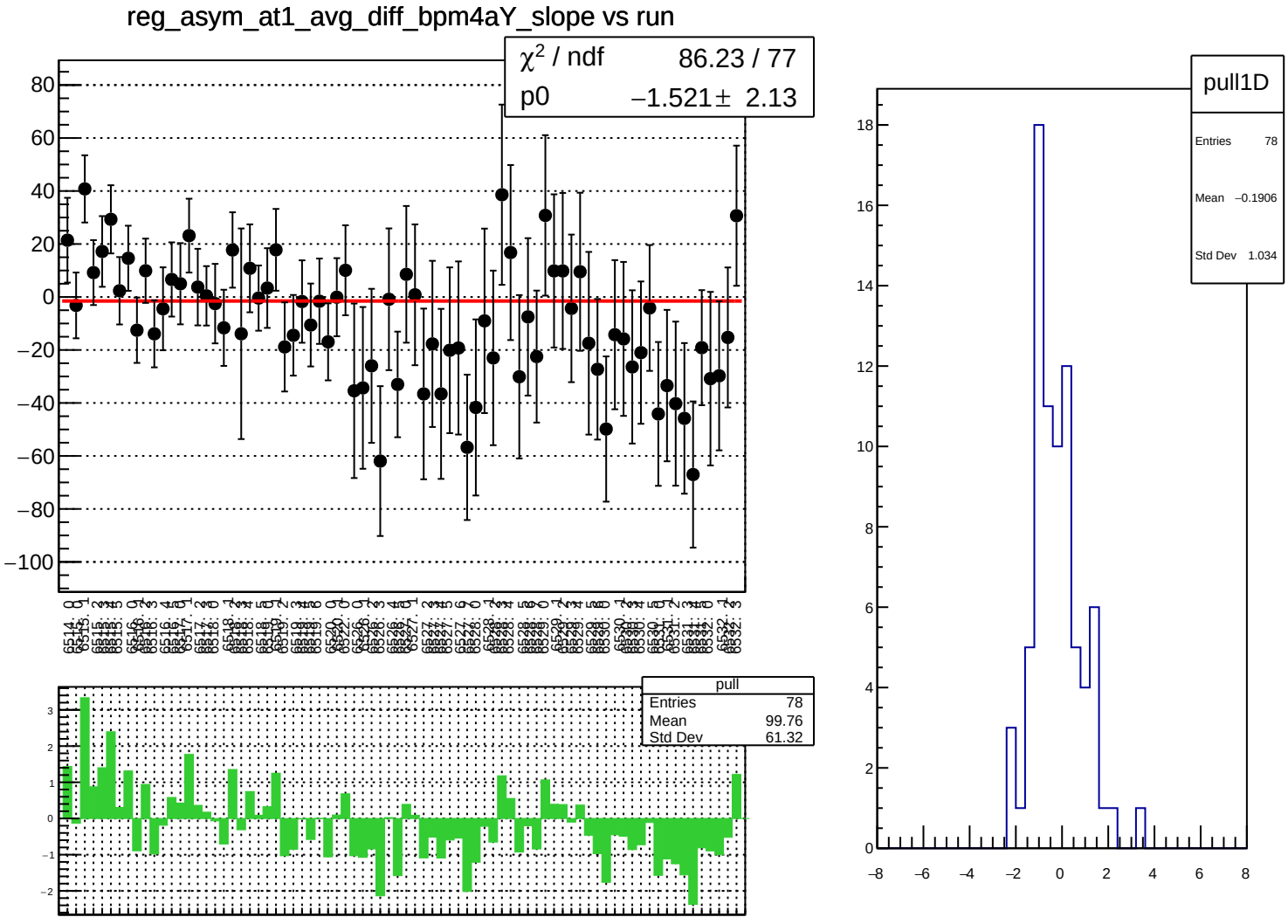

pull1D
Entries 78
Mean −0.0165
Std Dev 0.7865

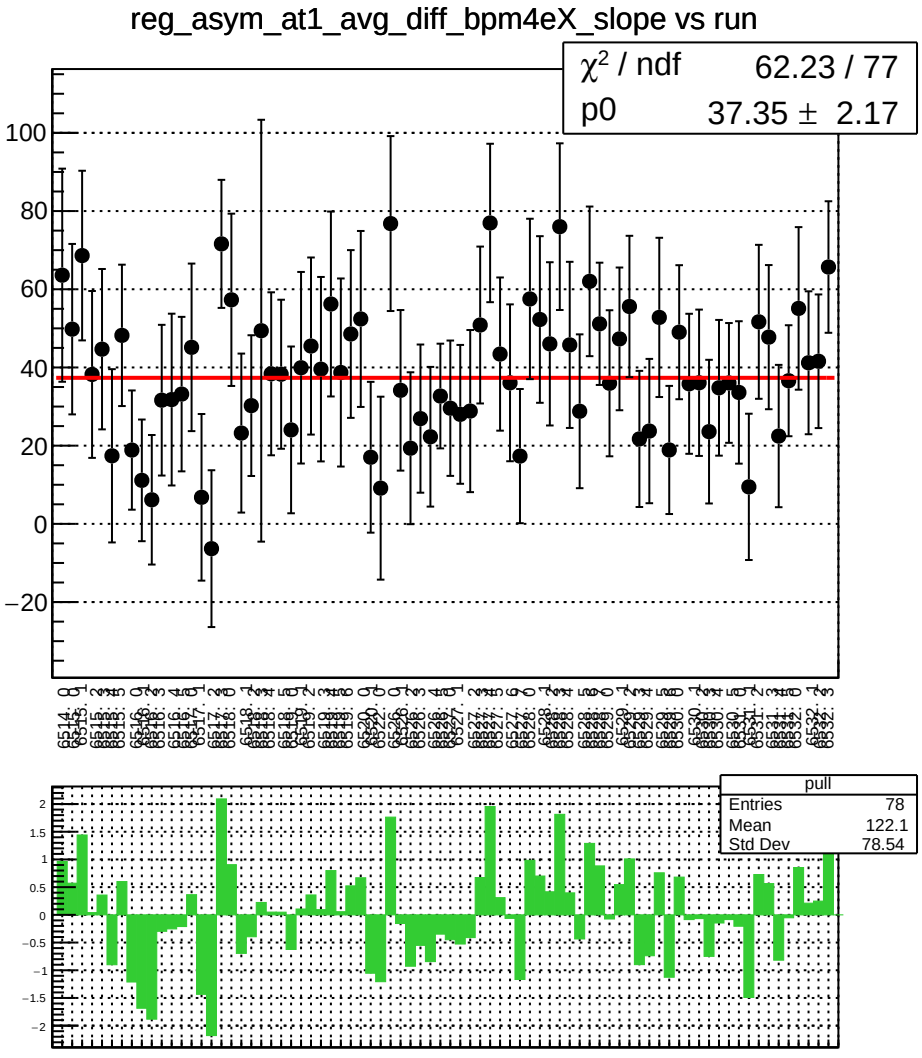

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 156.5 / 77
p0 121.4 ± 0.1874
128
126
124
122
120
118
116
pull
Entries 78
Mean −411.2
Std Dev 446.9
3
2
1
0
−1
−2

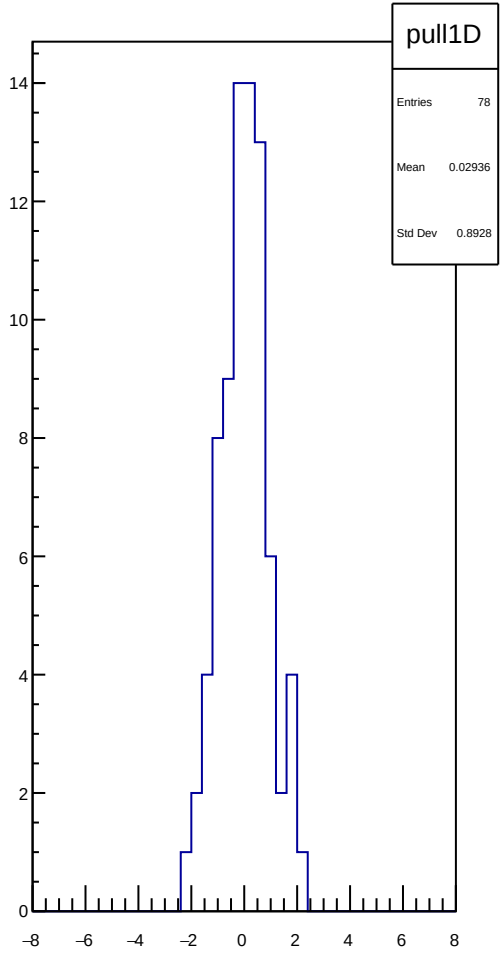

pull1D
Entries 78
Mean 0.05552
Std Dev 1.415
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

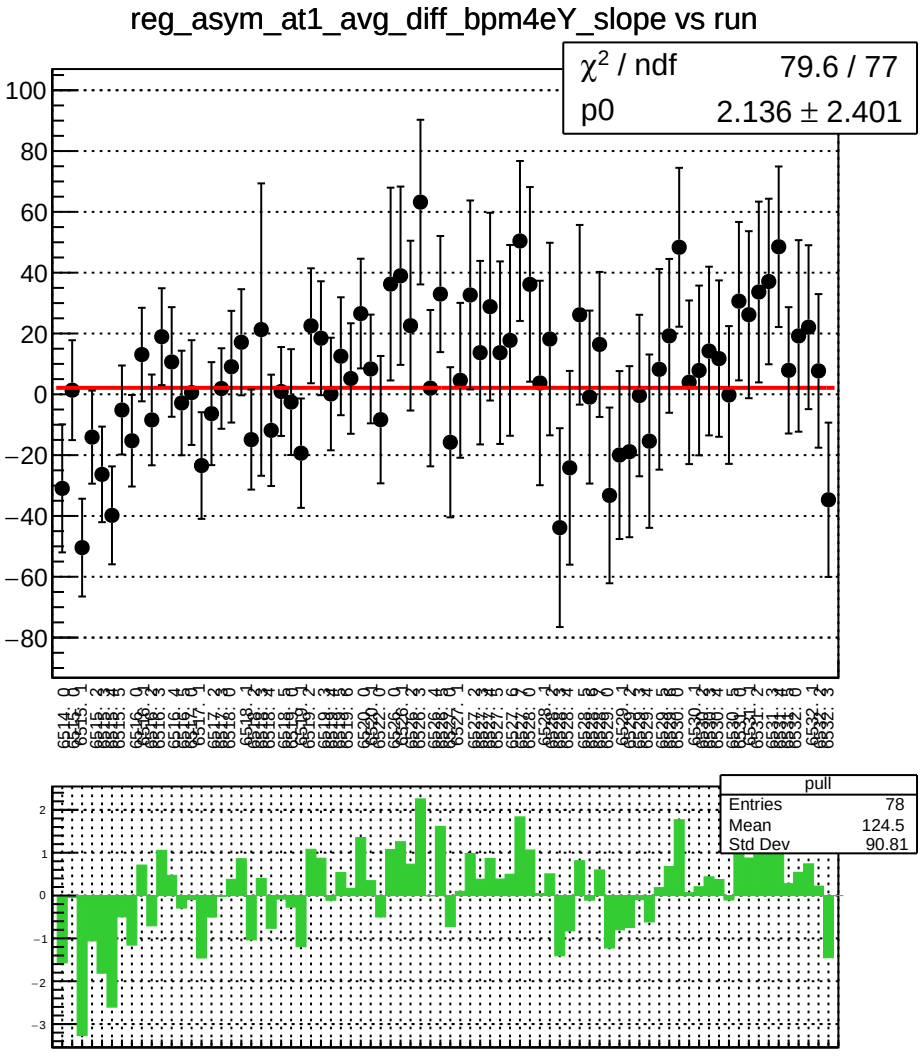

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 61.75 / 77
p0 −41.56 ± 2.001
pull
Entries 78
Mean 147.9
Std Dev 105.9

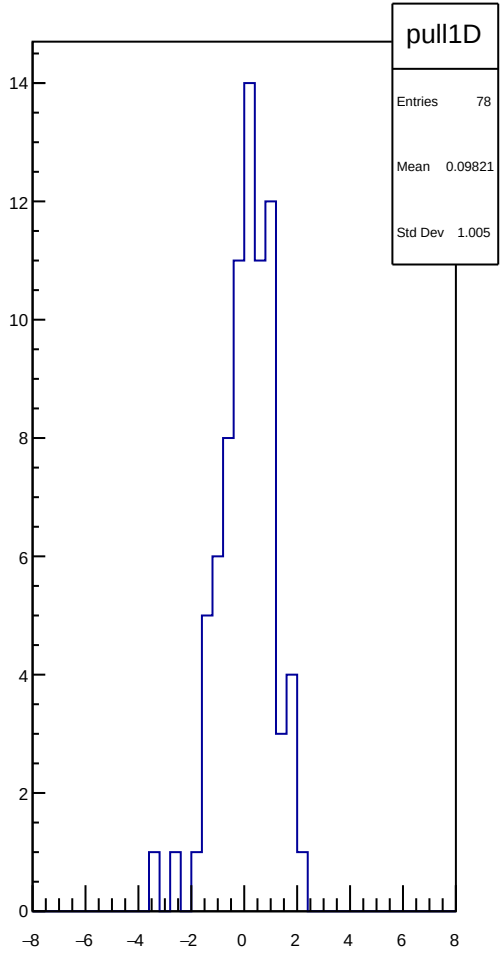

pull1D
Entries 78
Mean −0.02804
Std Dev 0.8893

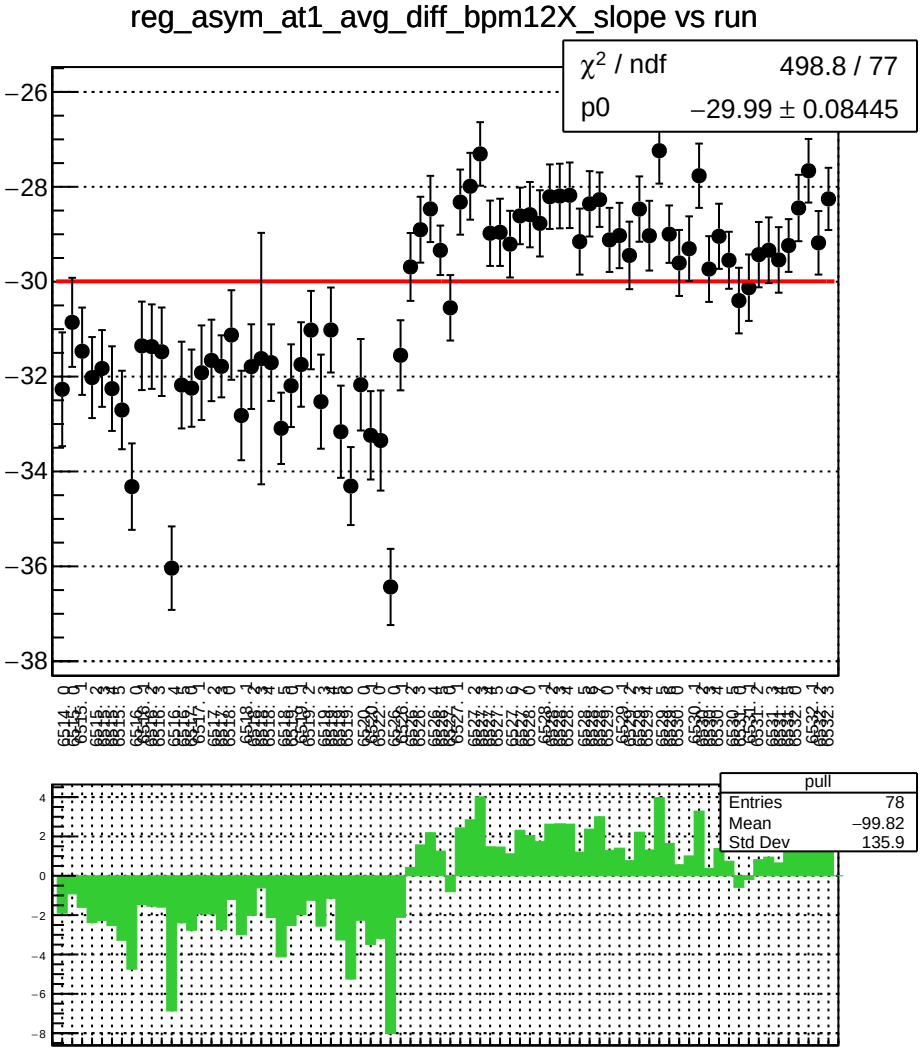

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.23 / 77
p0 −1.521 ± 2.13
pull
Entries 78
Mean 99.76
Std Dev 61.32
pull1D
Entries 78
Mean −0.1906
Std Dev 1.034

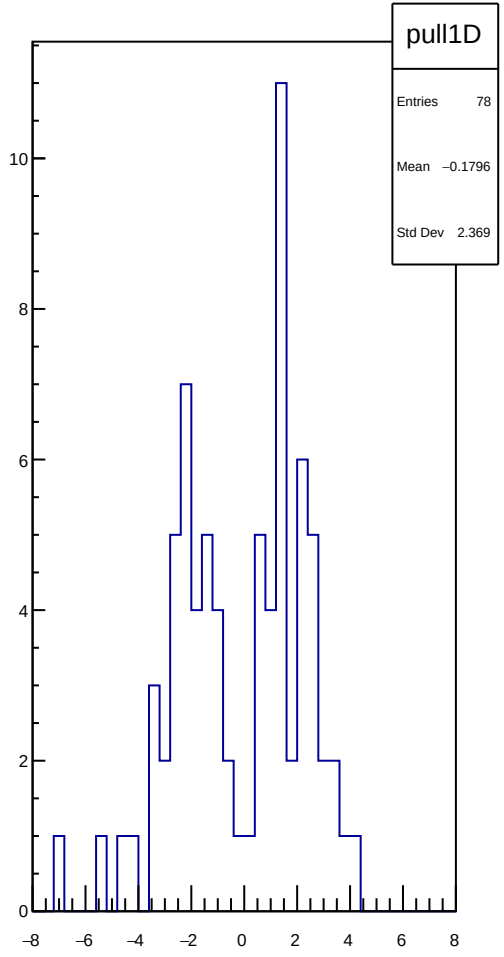

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.23 / 77
p0 37.35 ± 2.17
pull
Entries 78
Mean 122.1
Std Dev 78.54

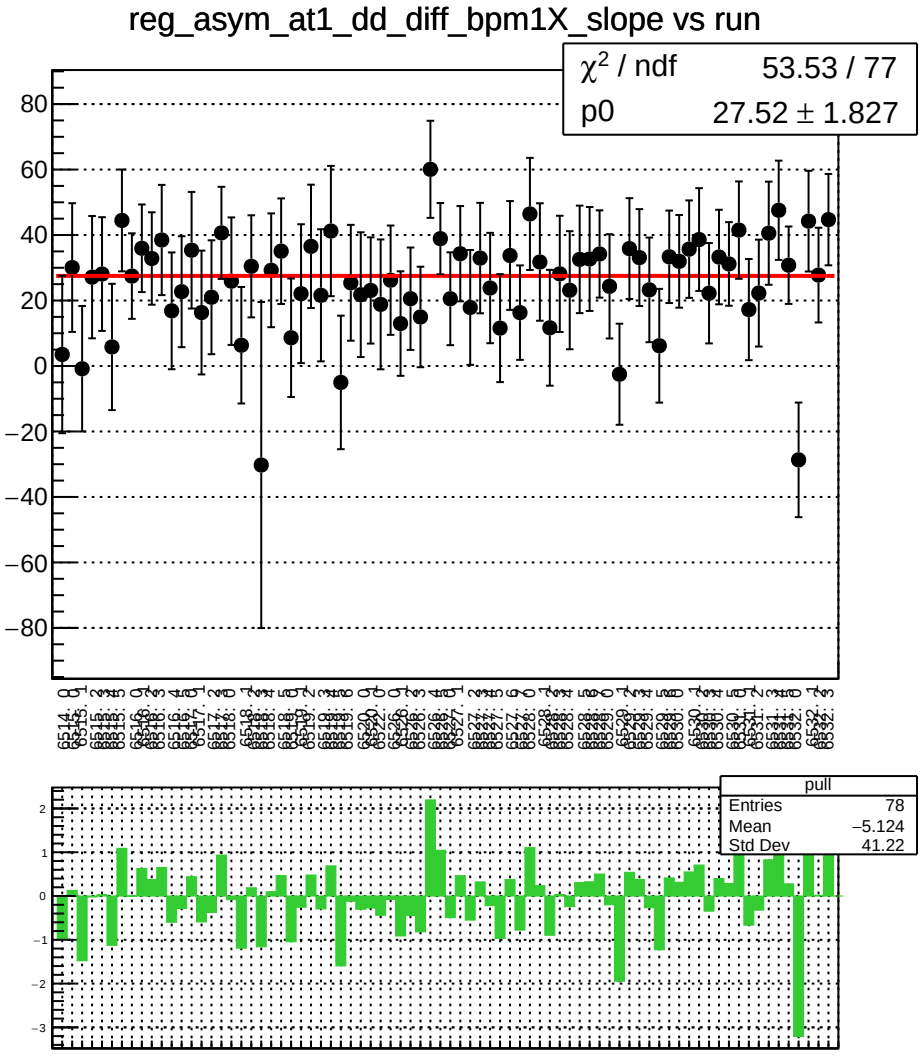

pull1D
Entries 78
Mean 0.02936
Std Dev 0.8928

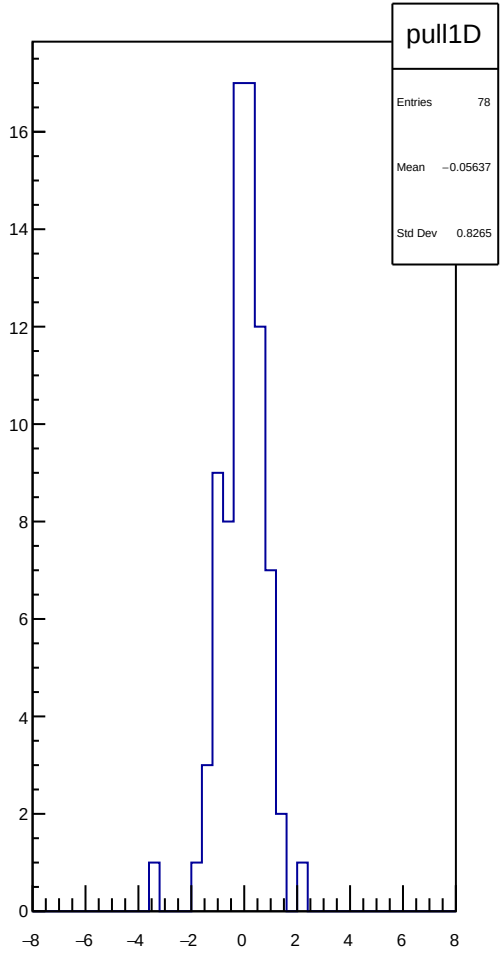

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 79.6 / 77
p0 2.136 ± 2.401
pull
Entries 78
Mean 124.5
Std Dev 90.81

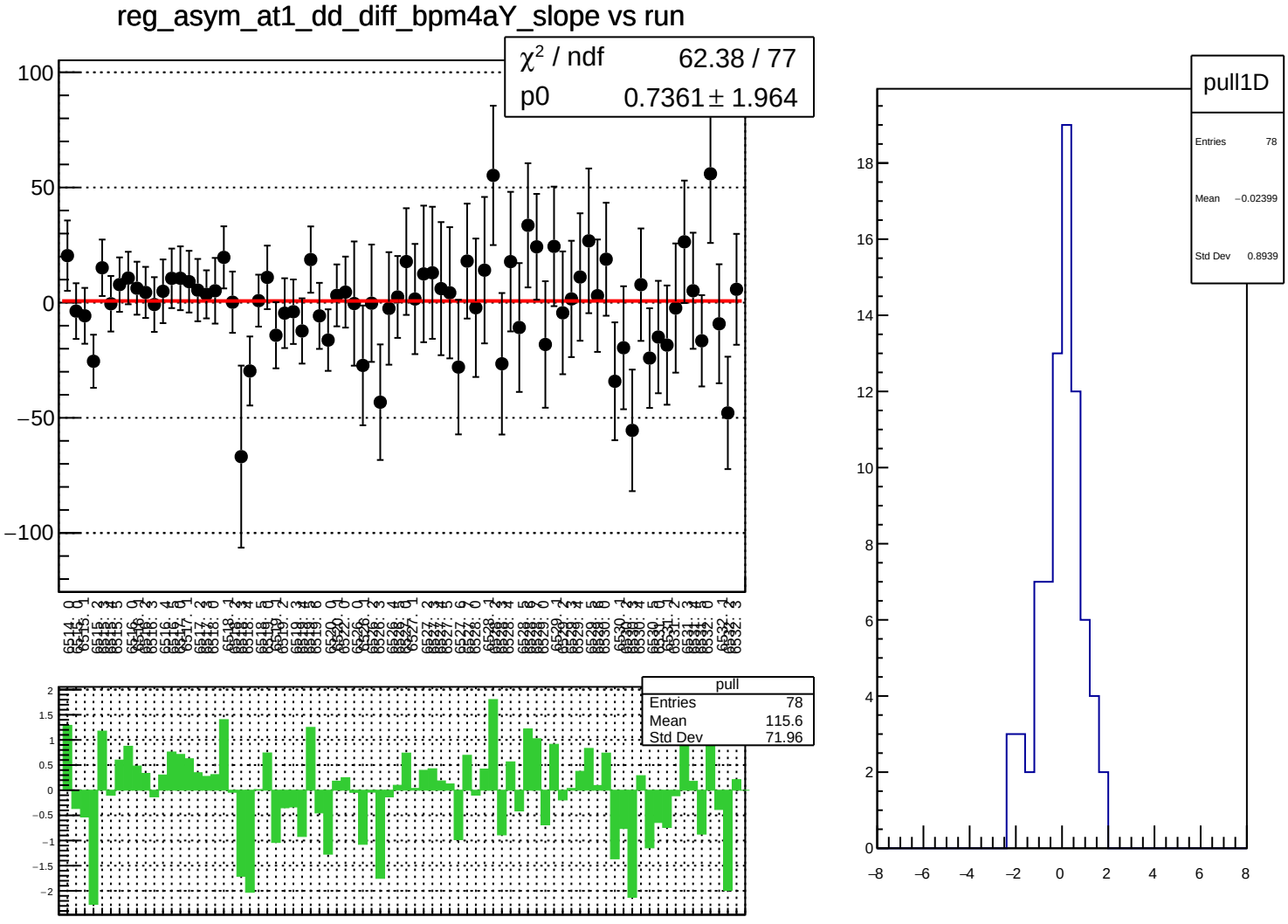

pull1D
Entries 78
Mean 0.09821
Std Dev 1.005

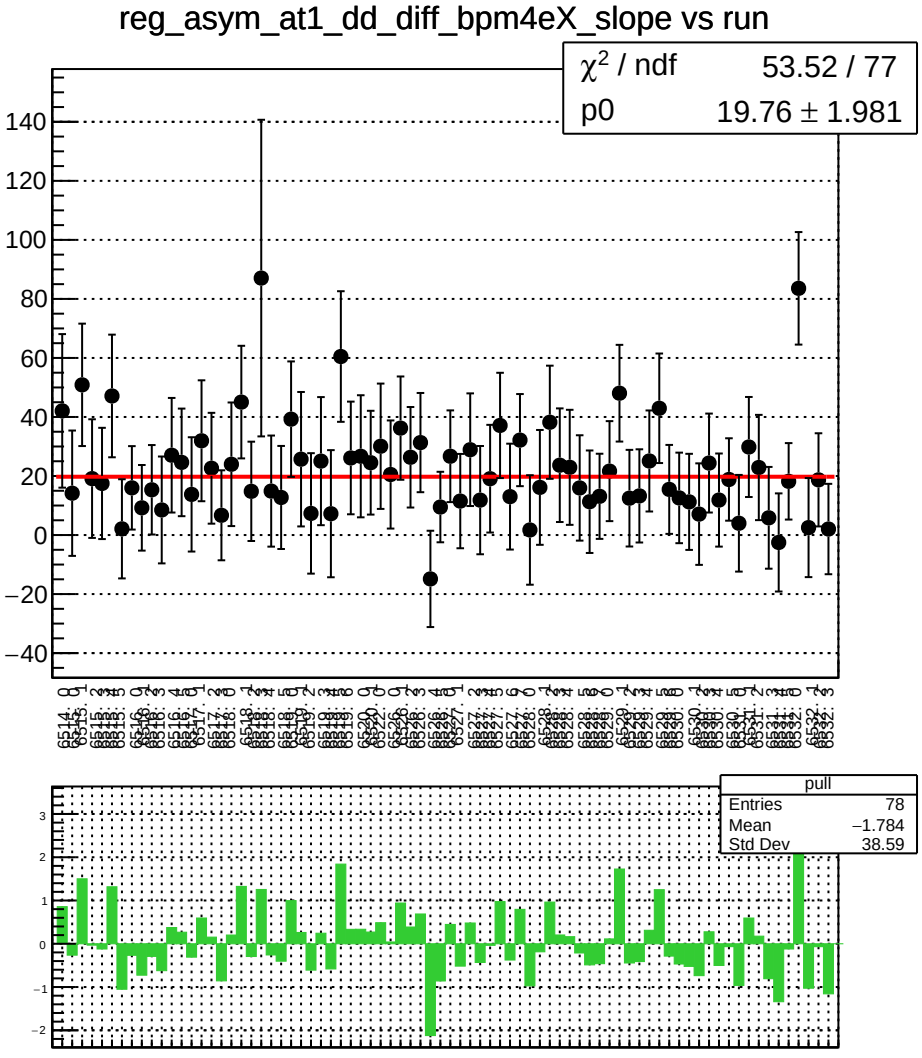

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 498.8 / 77
p0 −29.99 ± 0.08445
pull
Entries 78
Mean −99.82
Std Dev 135.9

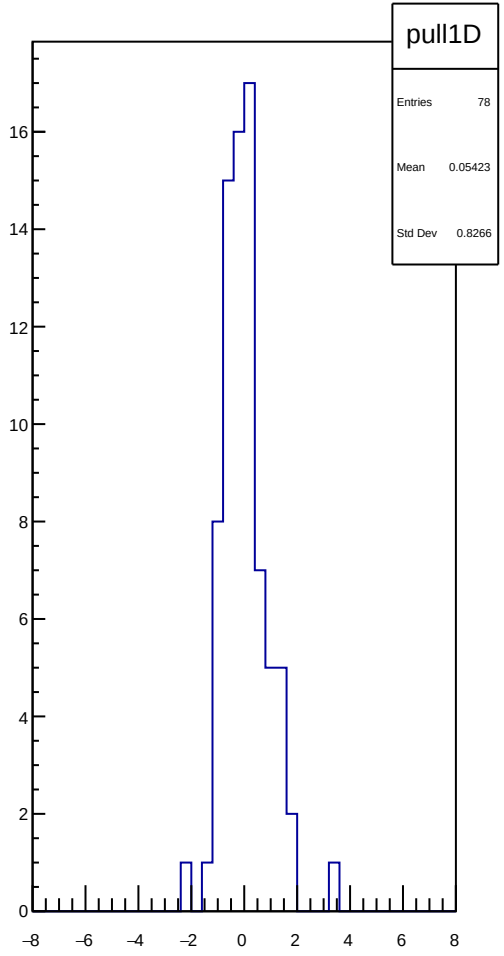

pull1D
Entries 78
Mean −0.1796
Std Dev 2.369

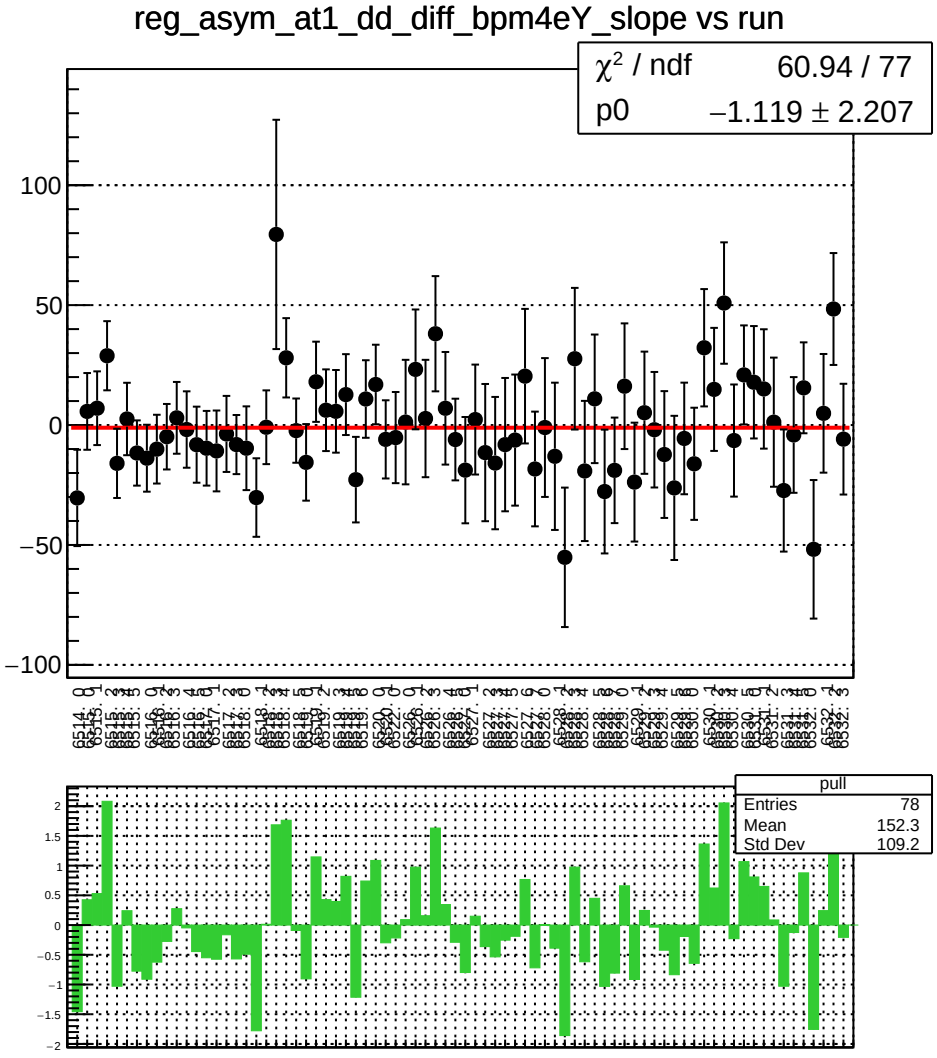

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 53.53 / 77
p0 27.52 ± 1.827
pull
Entries 78
Mean −5.124
Std Dev 41.22

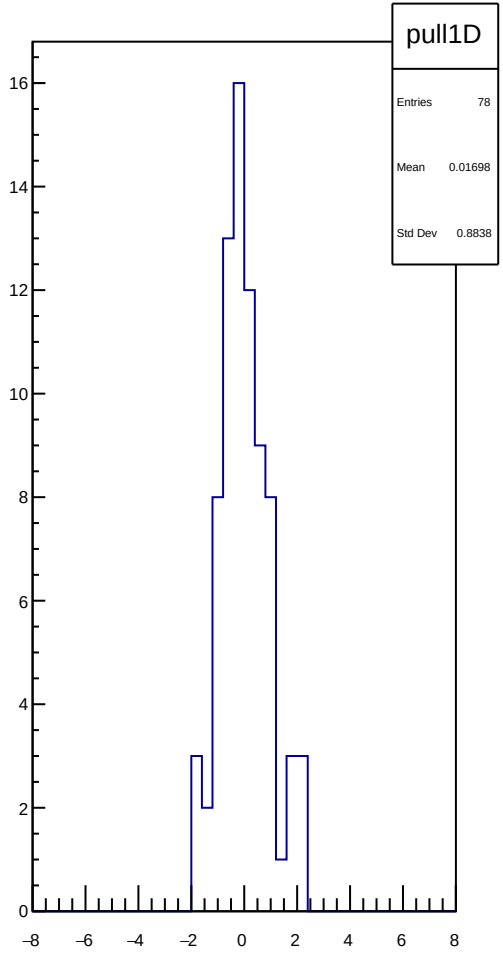

pull1D
Entries 78
Mean −0.05637
Std Dev 0.8265

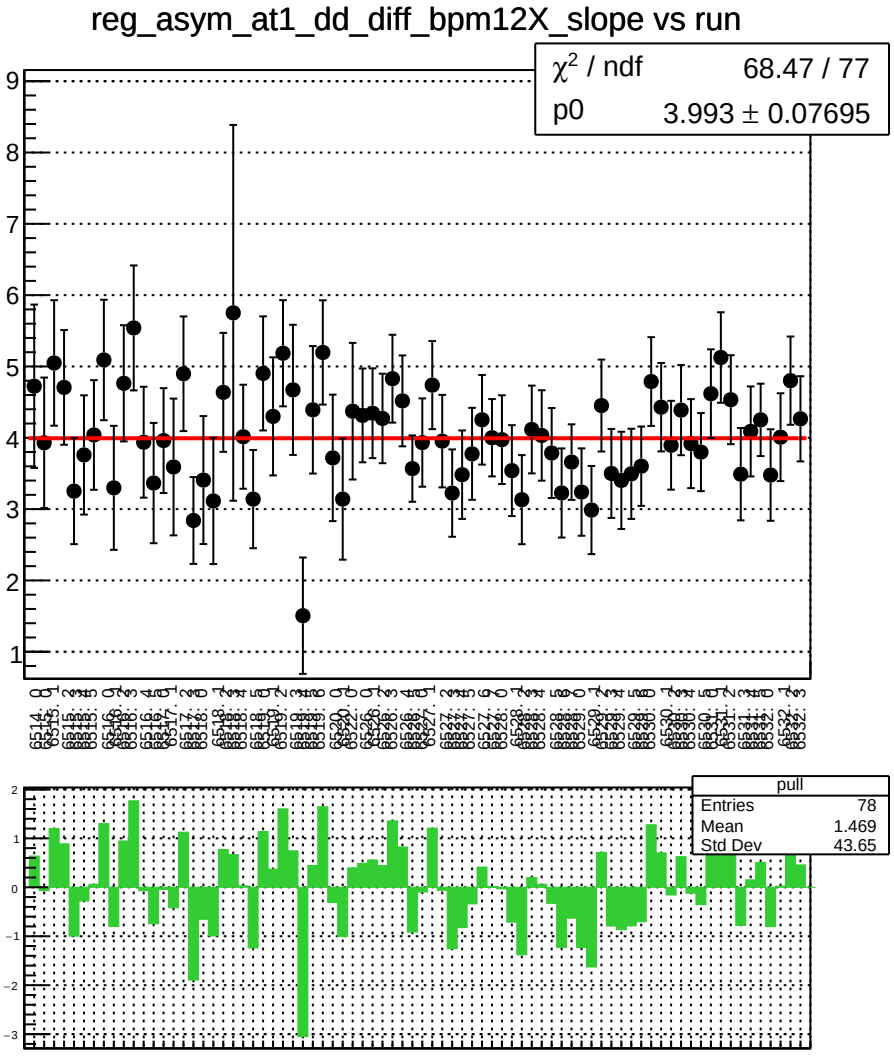

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.38 / 77
p0 0.7361 ± 1.964
pull
Entries 78
Mean 115.6
Std Dev 71.96
pull1D
Entries 78
Mean −0.02399
Std Dev 0.8939

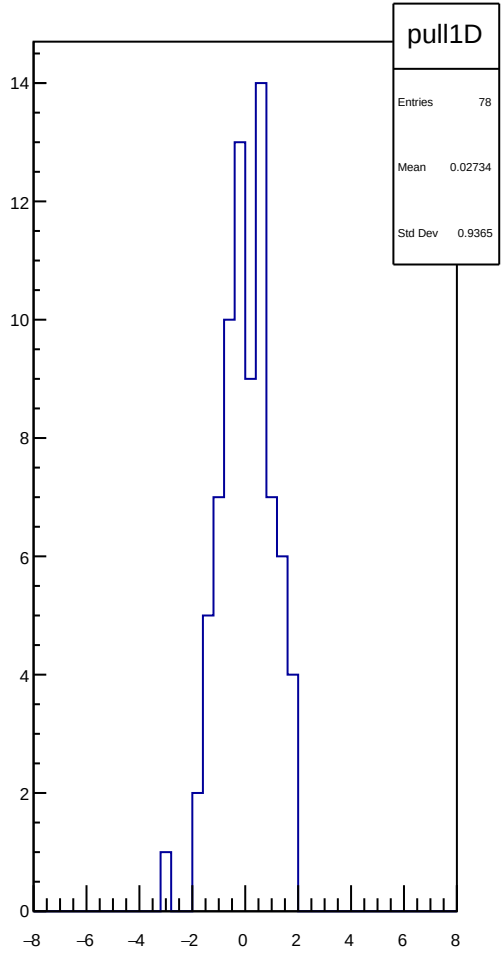

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 53.52 / 77
p0 19.76 ± 1.981
pull
Entries 78
Mean −1.784
Std Dev 38.59

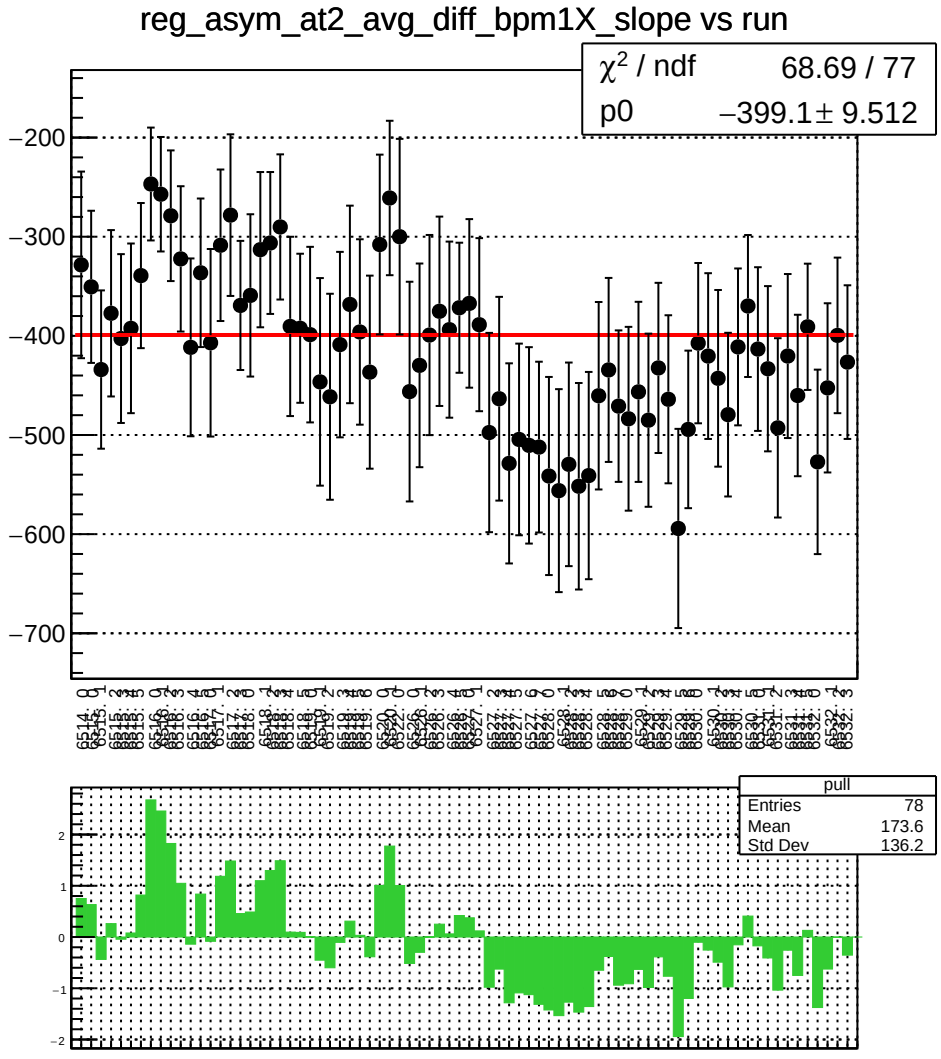

pull1D
Entries 78
Mean 0.05423
Std Dev 0.8266

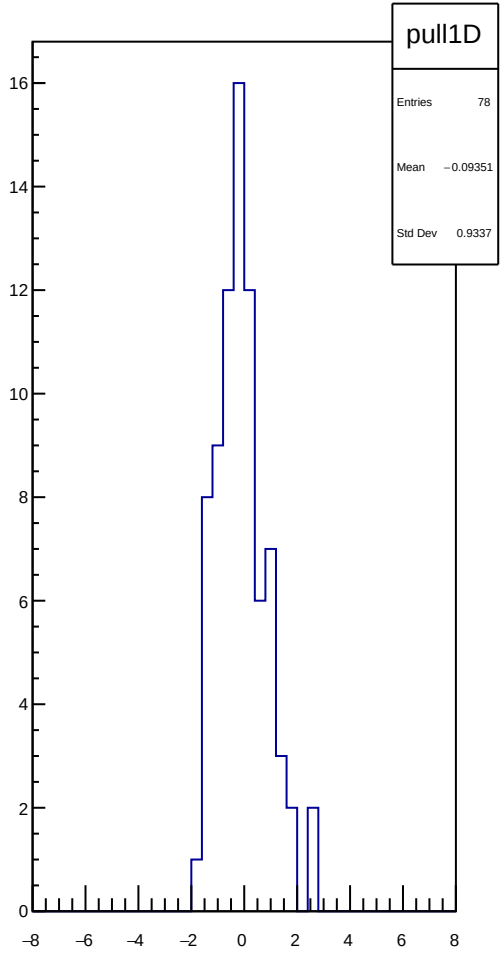

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 60.94 / 77
p0 −1.119 ± 2.207
pull
Entries 78
Mean 152.3
Std Dev 109.2

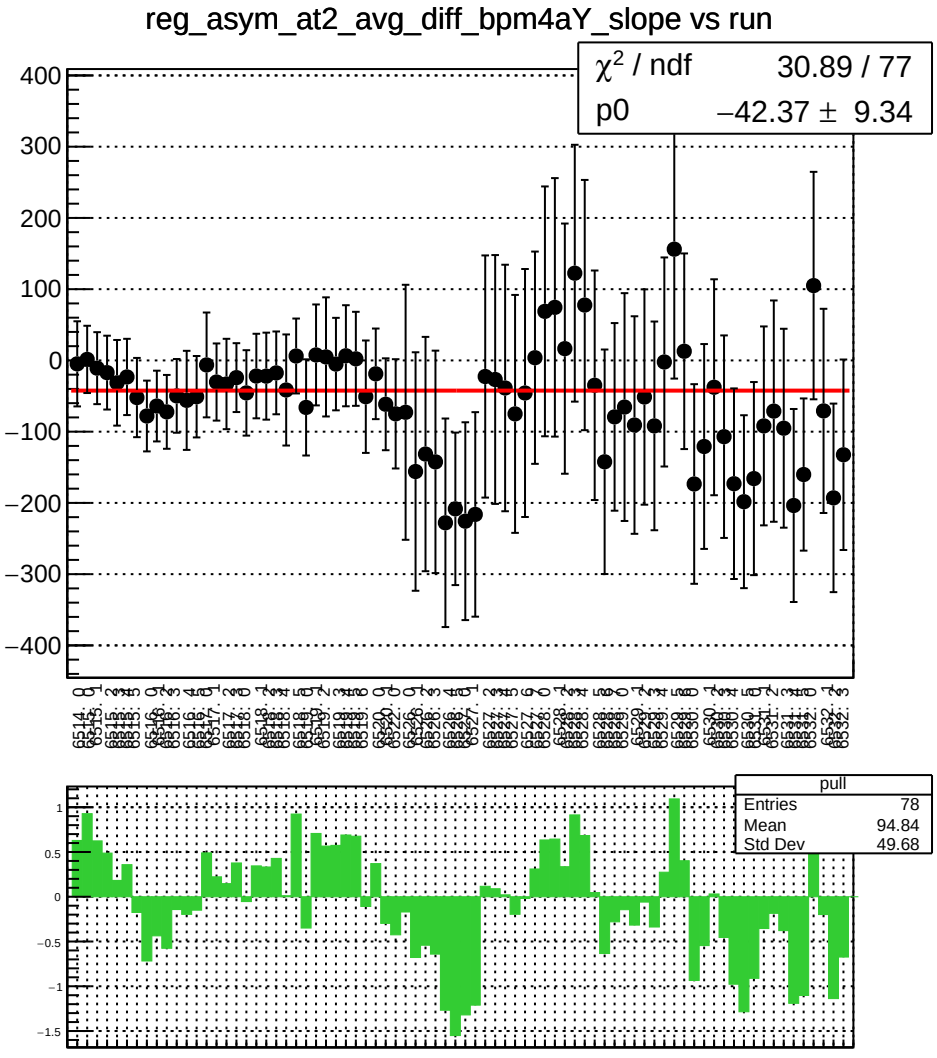

pull1D
Entries 78
Mean 0.01698
Std Dev 0.8838

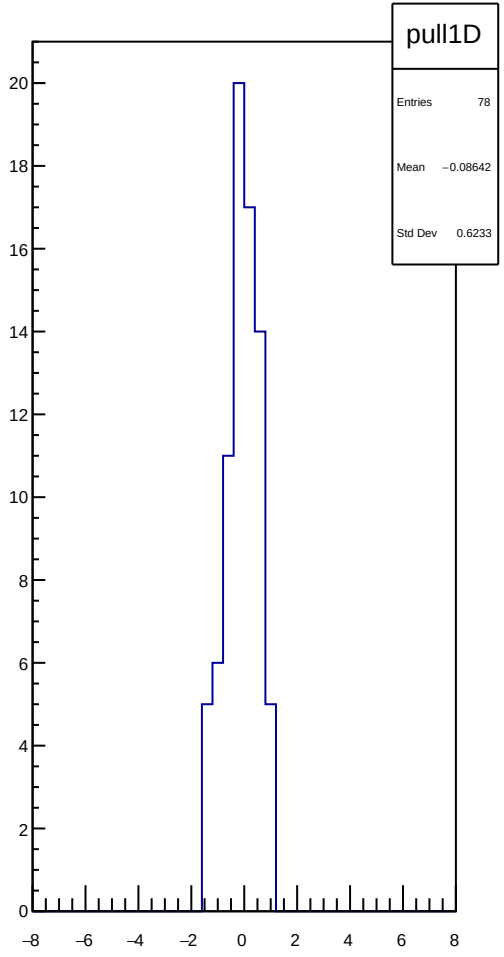

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 68.47 / 77
p0 3.993 ± 0.07695
pull
Entries 78
Mean 1.469
Std Dev 43.65

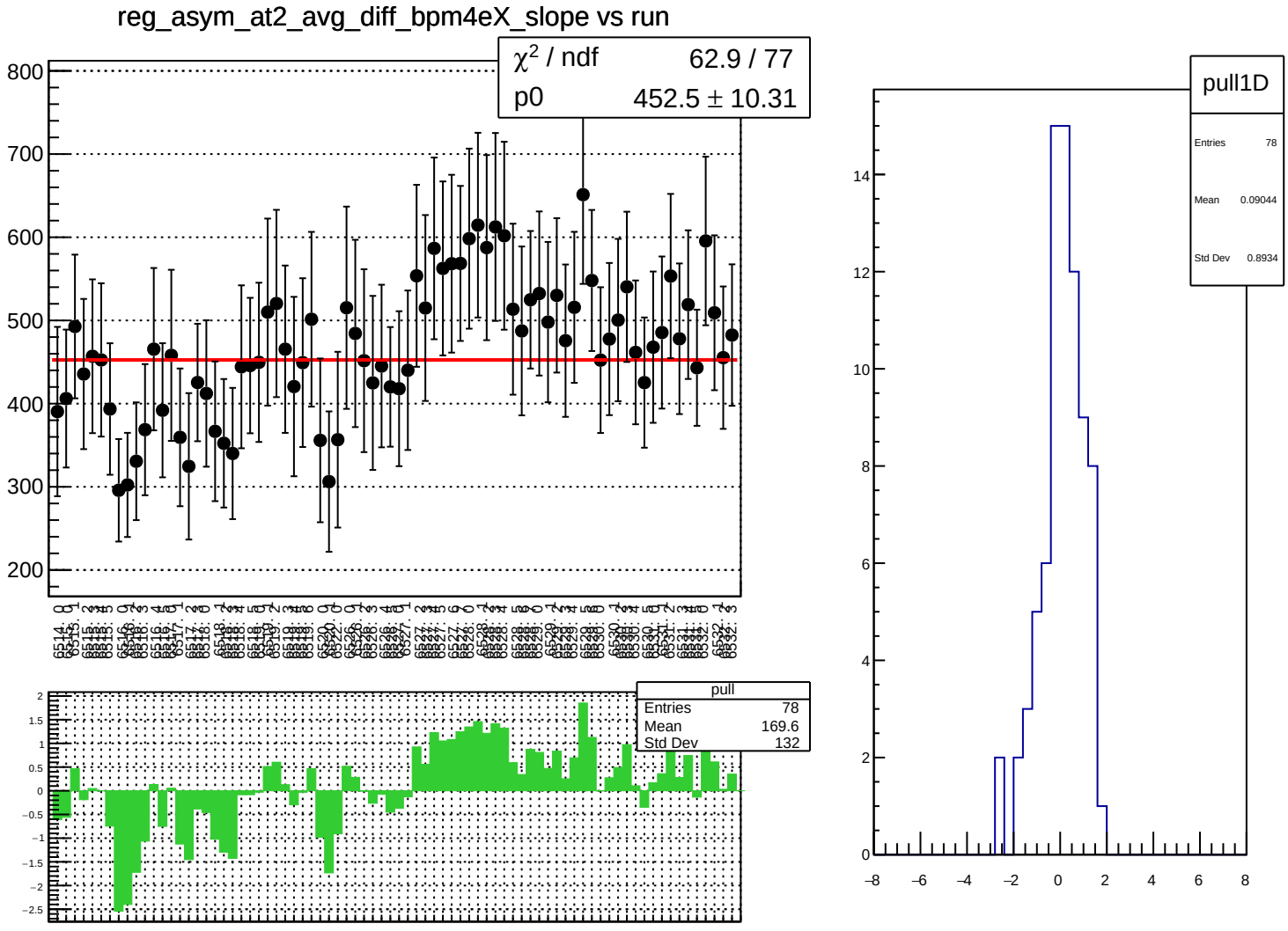

pull1D
Entries 78
Mean 0.02734
Std Dev 0.9365

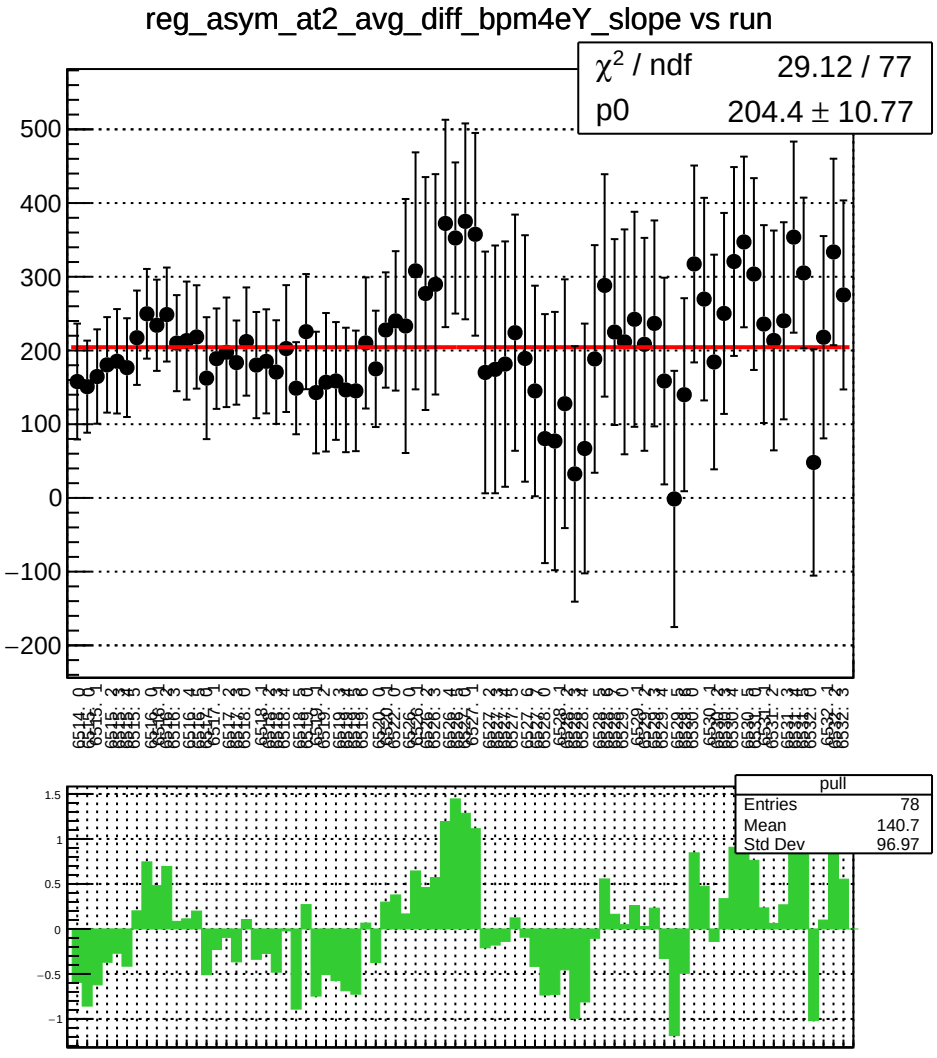

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 68.69 / 77
p0 −399.1 ± 9.512
pull
Entries 78
Mean 173.6
Std Dev 136.2

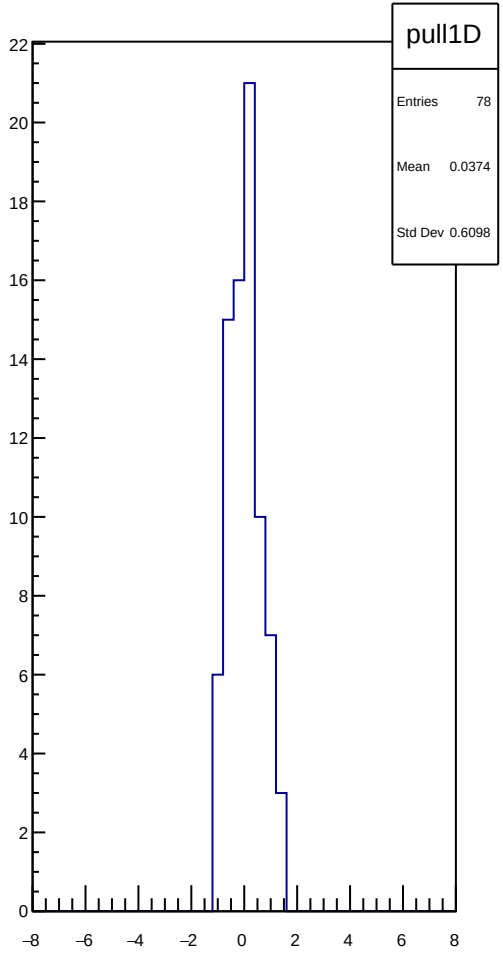

pull1D
Entries 78
Mean −0.09351
Std Dev 0.9337

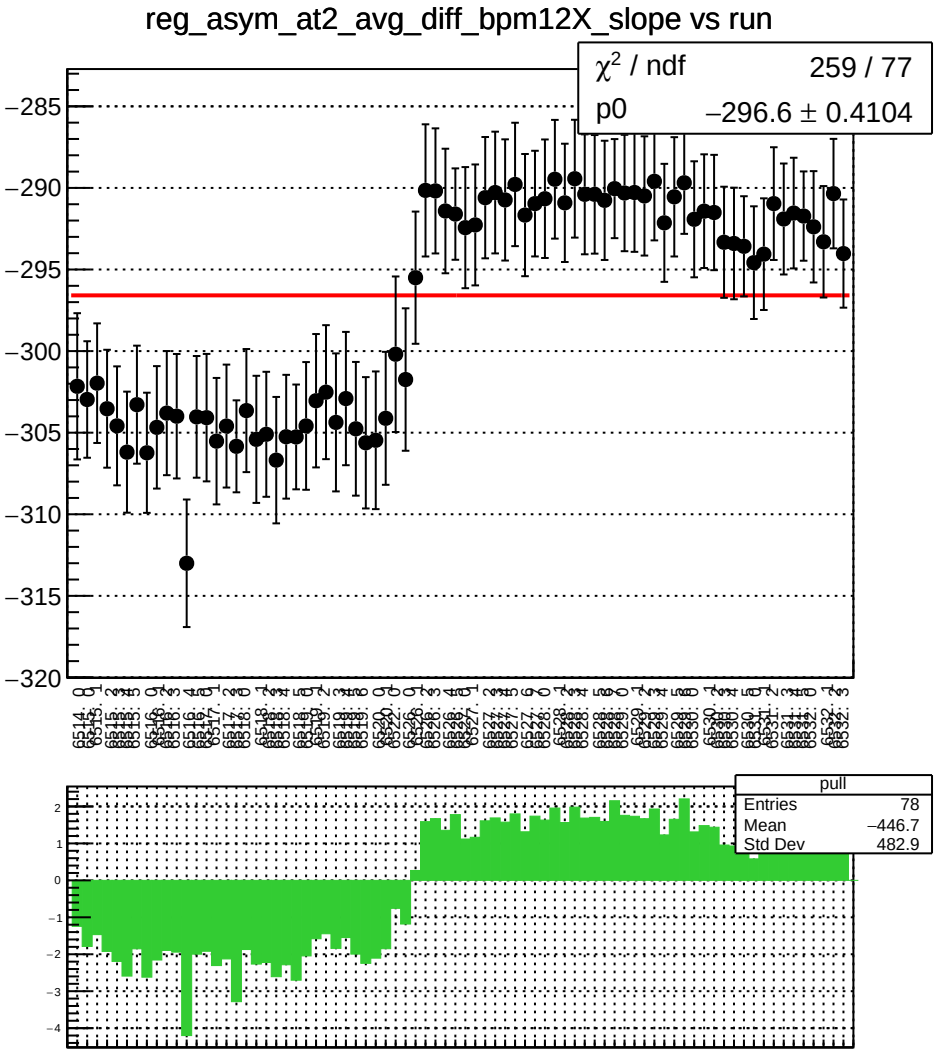

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.89 / 77
p0 −42.37 ± 9.34
pull
Entries 78
Mean 94.84
Std Dev 49.68

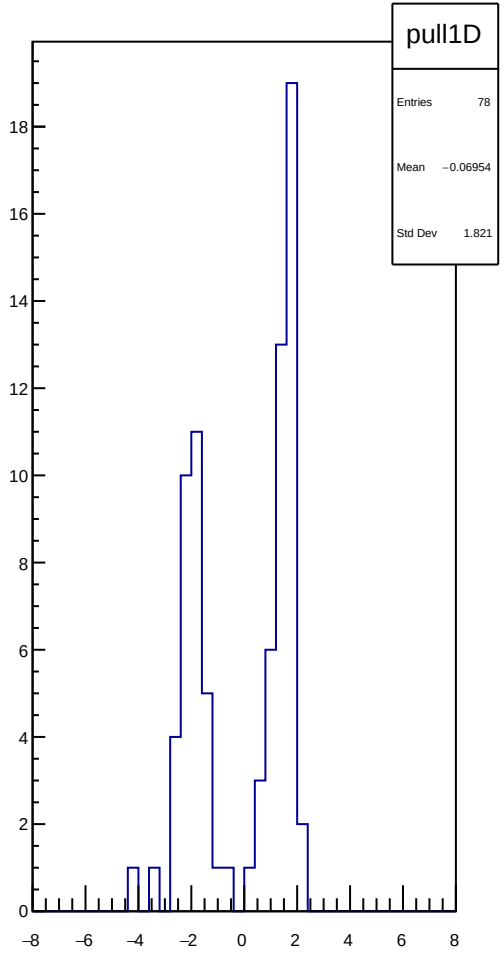

pull1D
Entries 78
Mean −0.08642
Std Dev 0.6233

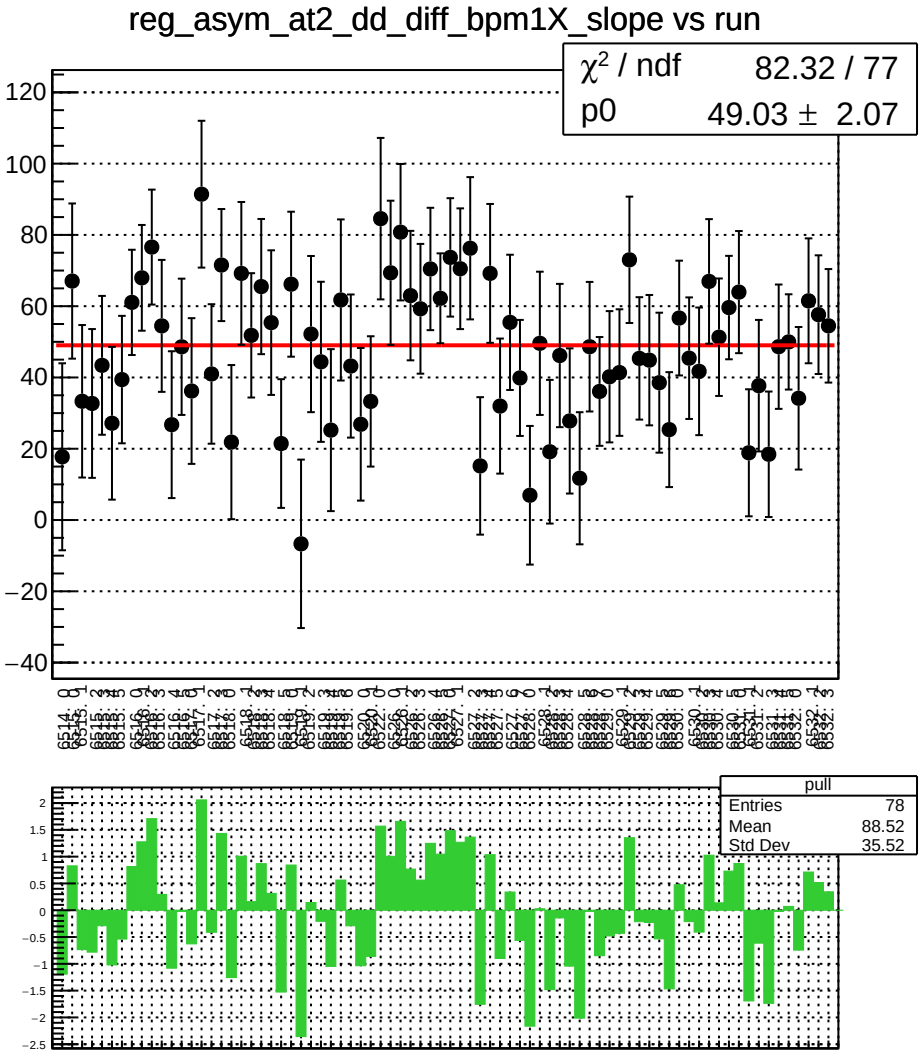

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.9 / 77
p0 452.5 ± 10.31
pull
Entries 78
Mean 169.6
Std Dev 132
pull1D
Entries 78
Mean 0.09044
Std Dev 0.8934

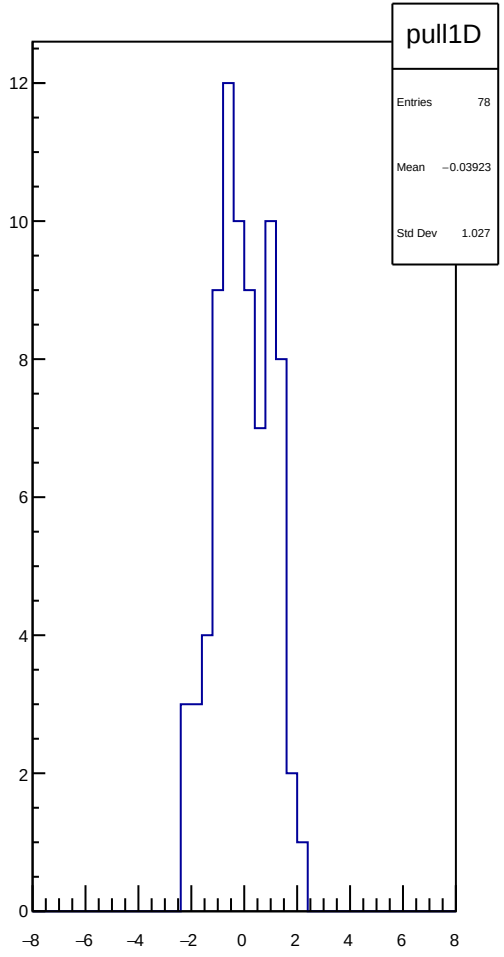

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.12 / 77
p0 204.4 ± 10.77
pull
Entries 78
Mean 140.7
Std Dev 96.97

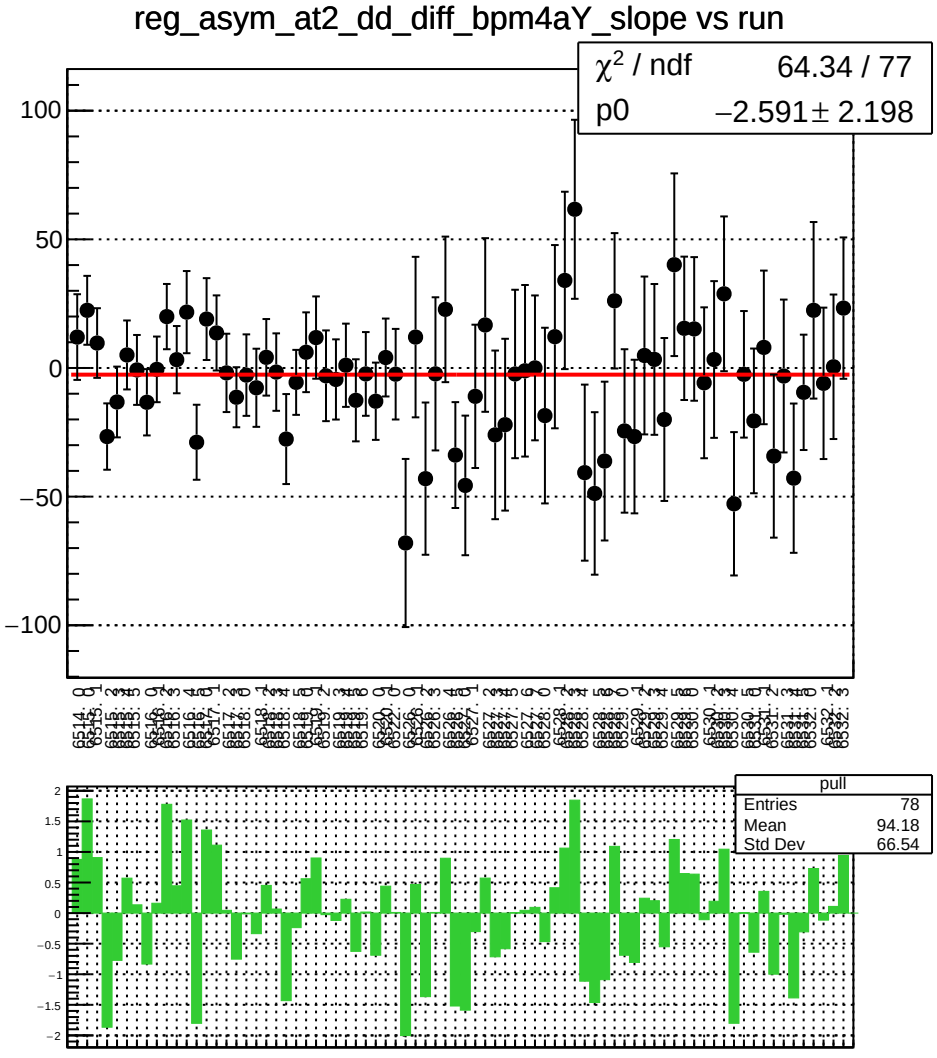

pull1D
Entries 78
Mean 0.0374
Std Dev 0.6098

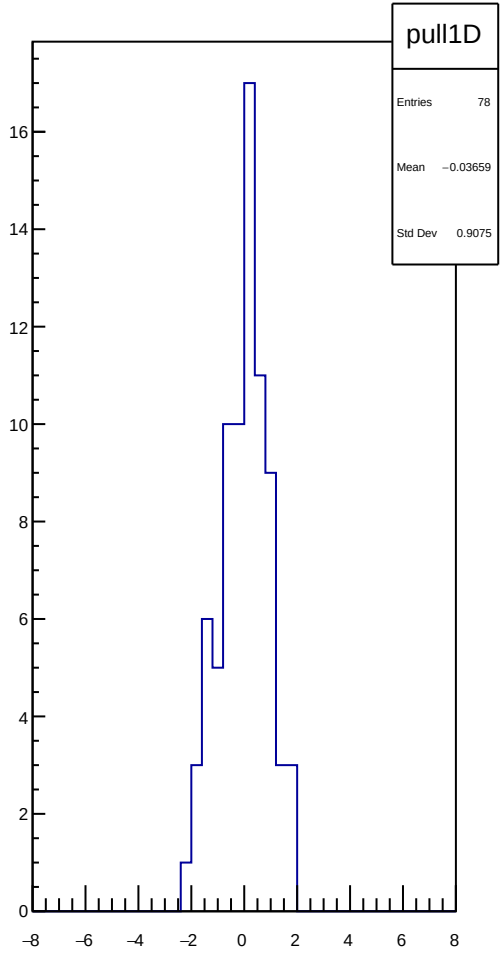

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 259 / 77
p0 −296.6 ± 0.4104
pull
Entries 78
Mean −446.7
Std Dev 482.9

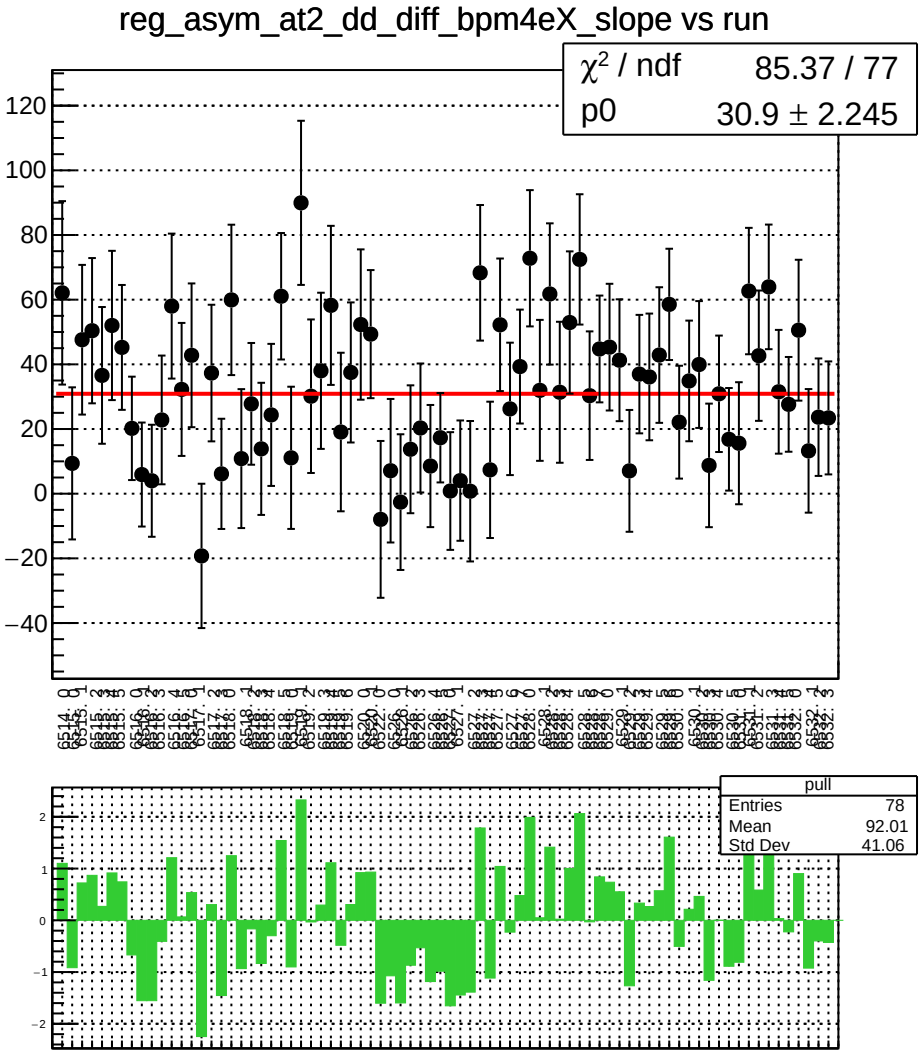

pull1D
Entries 78
Mean −0.06954
Std Dev 1.821

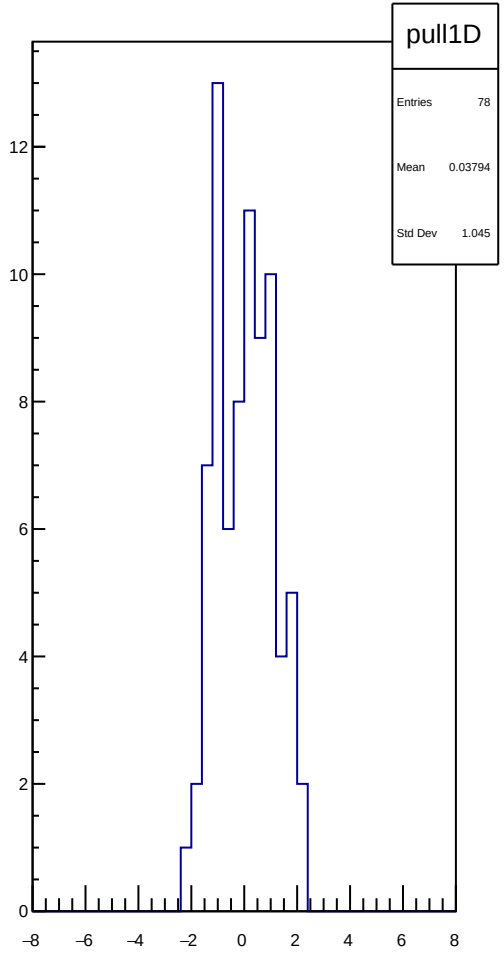

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 82.32 / 77
p0 49.03 ± 2.07
pull
Entries 78
Mean 88.52
Std Dev 35.52

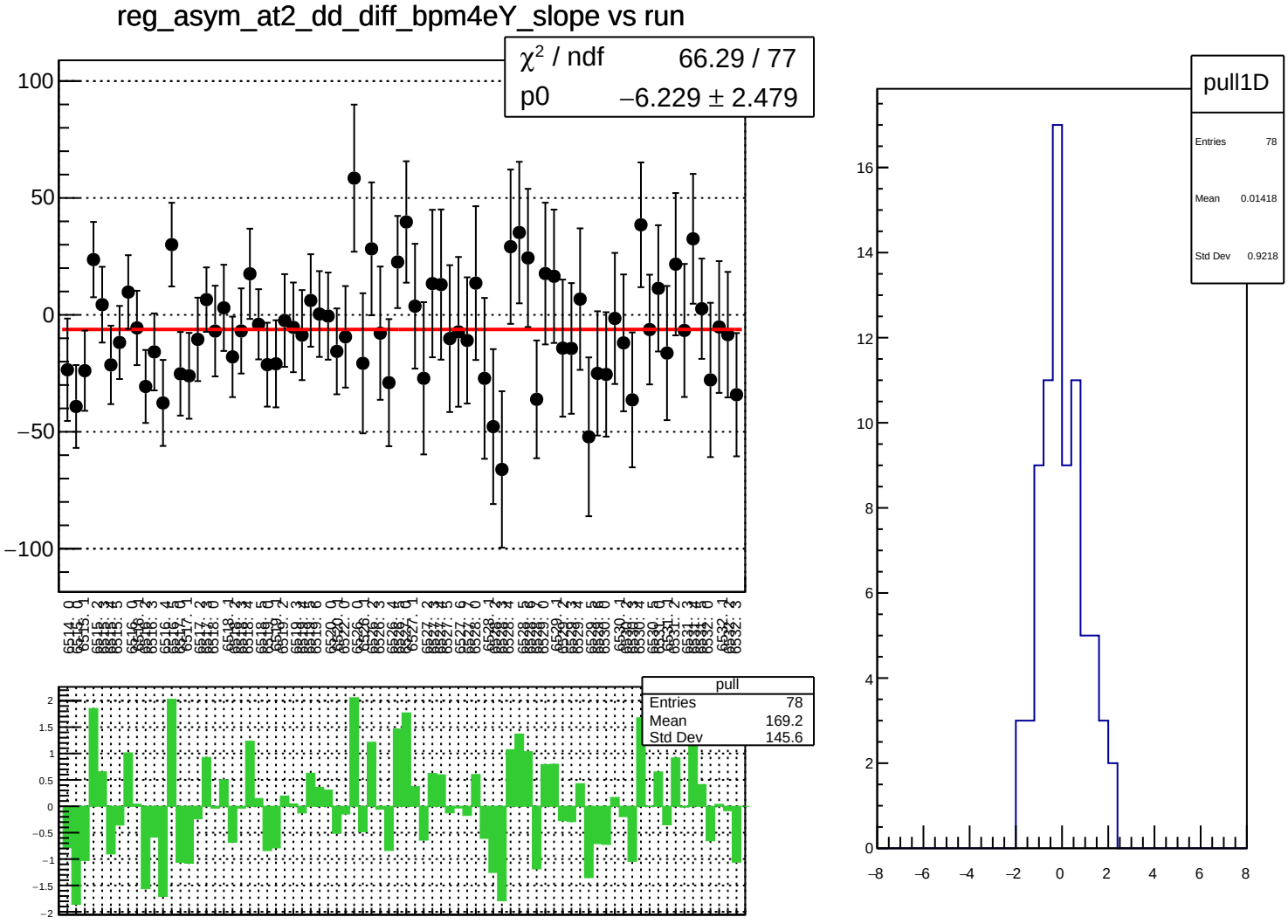

pull1D
Entries 78
Mean −0.03923
Std Dev 1.027

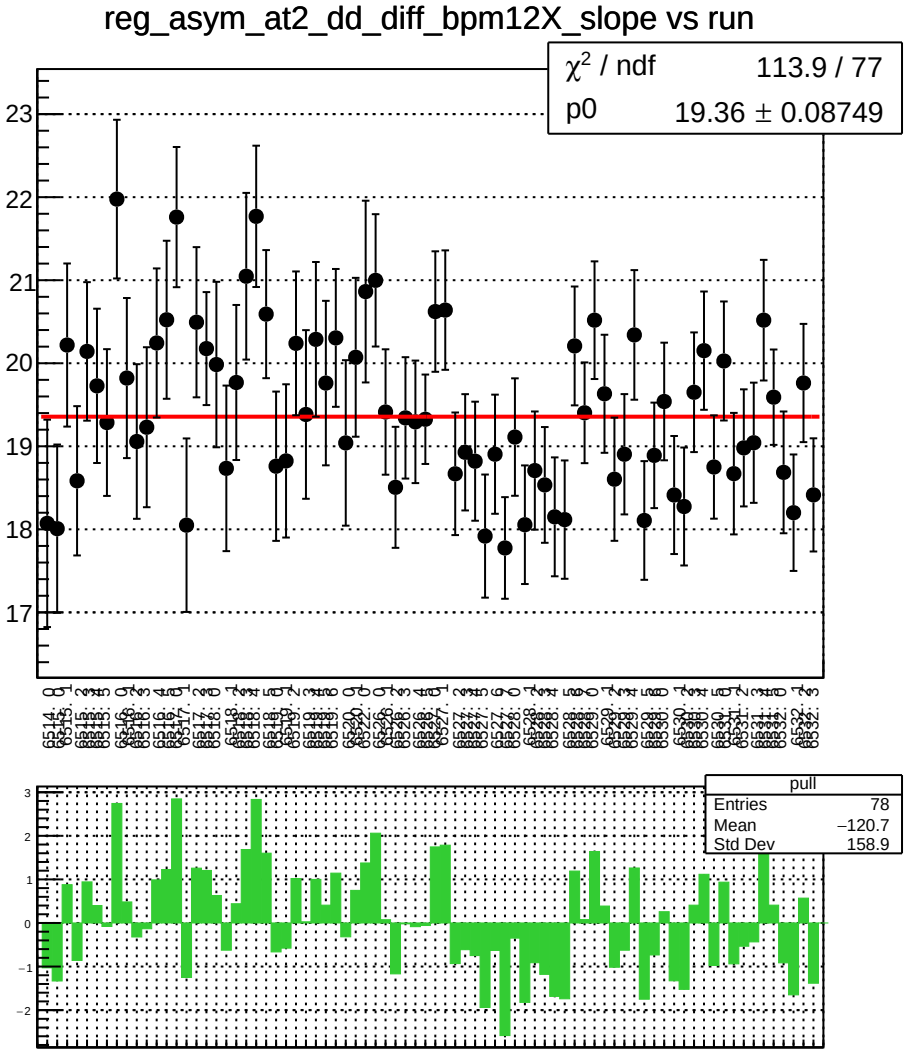

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.34 / 77
p0 −2.591 ± 2.198
pull
Entries 78
Mean 94.18
Std Dev 66.54

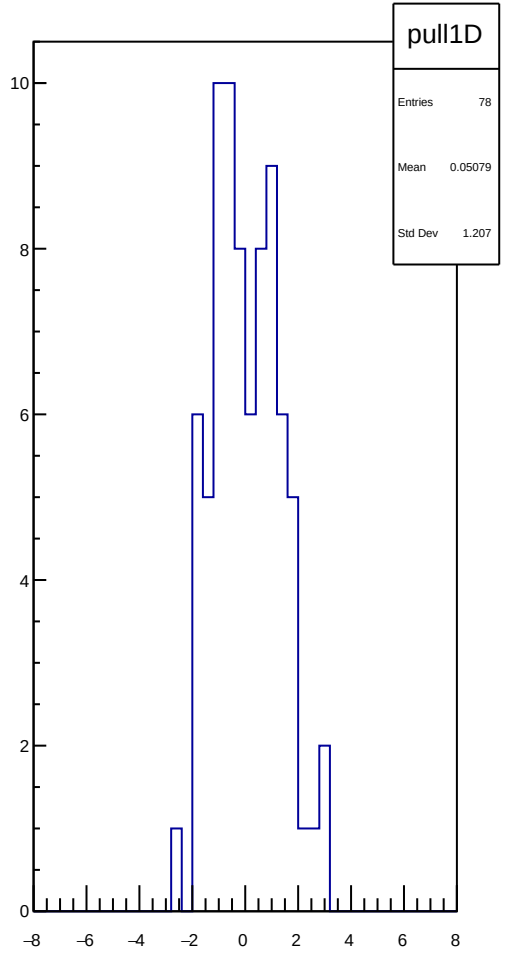

pull1D
Entries 78
Mean −0.03659
Std Dev 0.9075

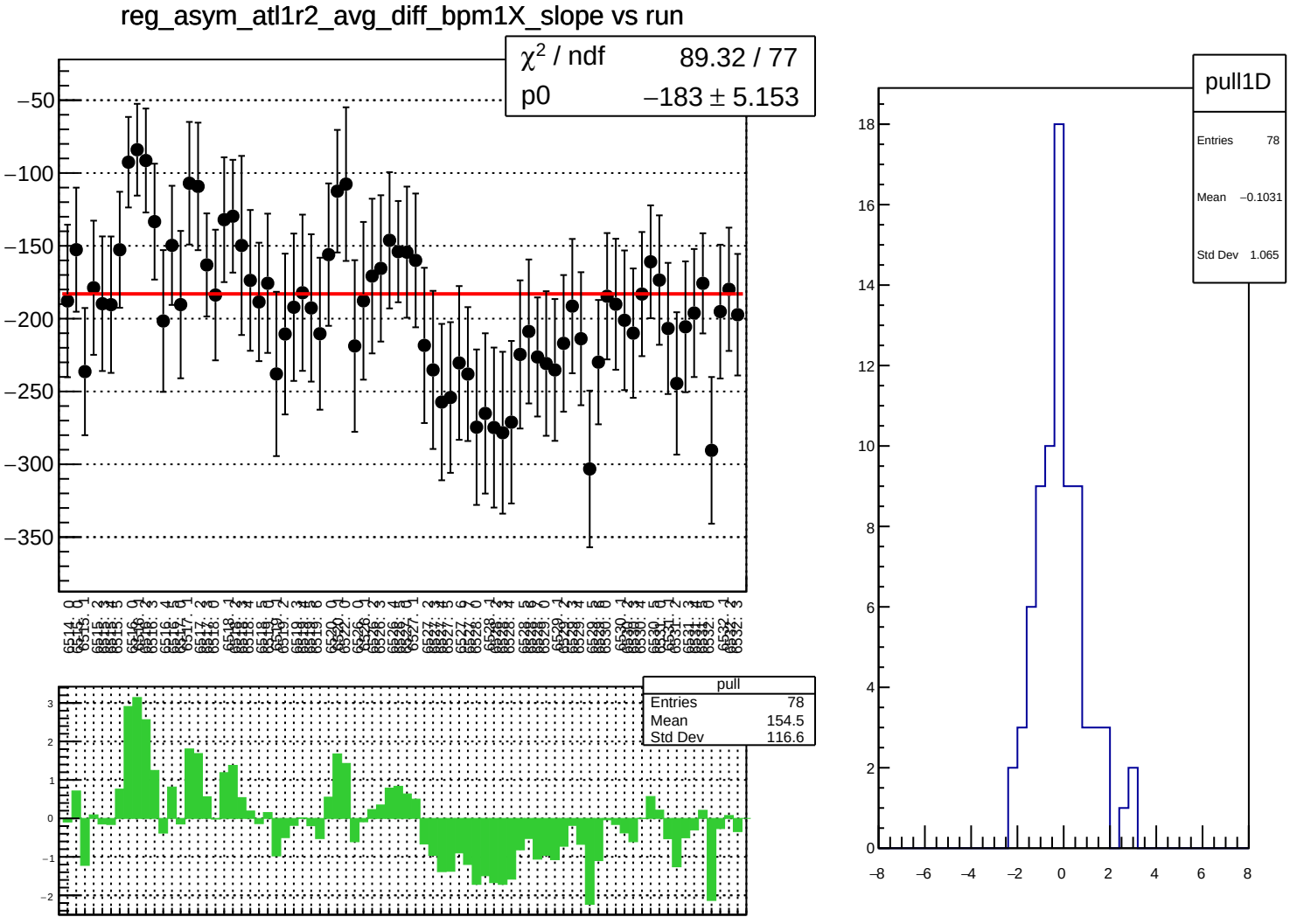

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 85.37 / 77
p0 30.9 ± 2.245
pull
Entries 78
Mean 92.01
Std Dev 41.06

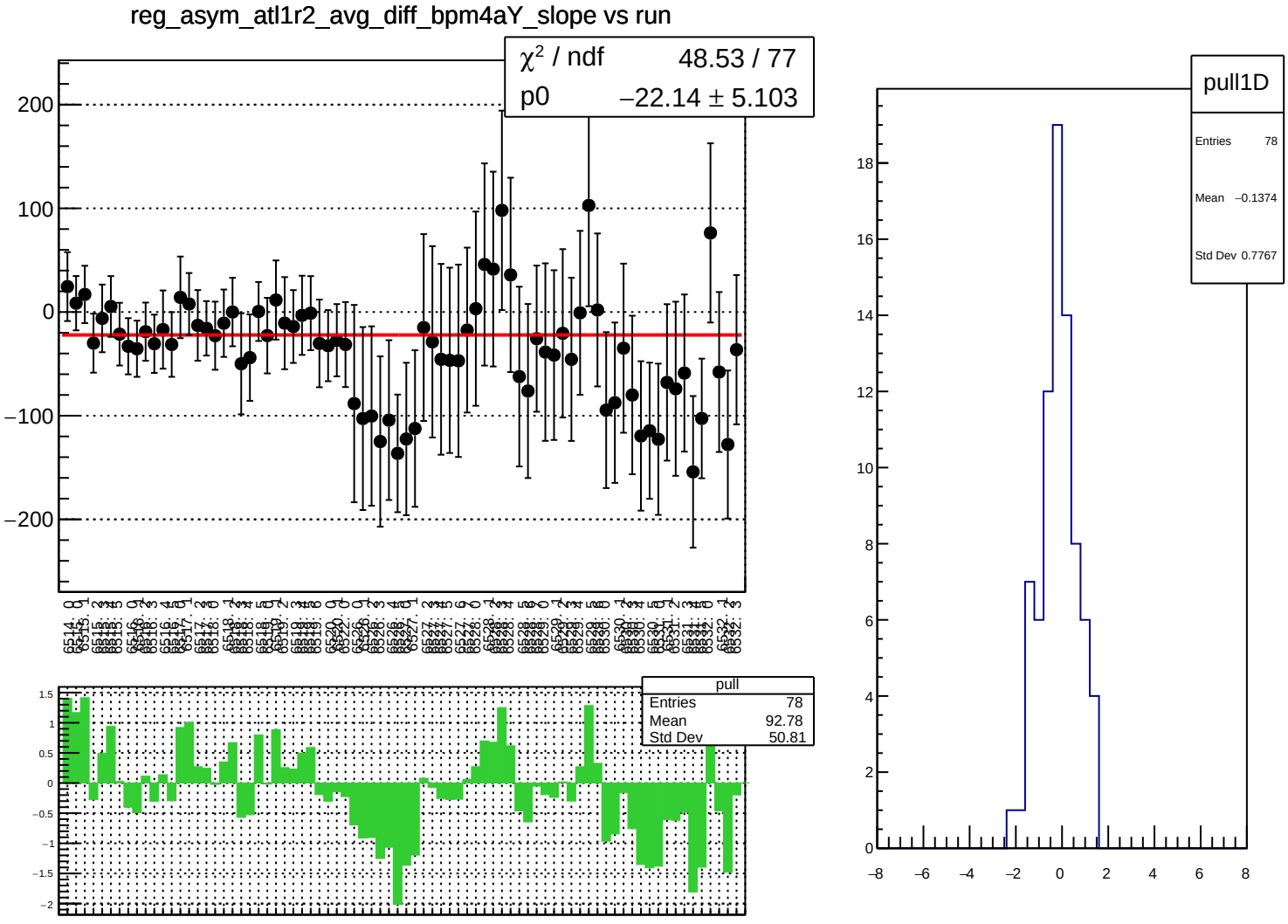

pull1D
Entries 78
Mean 0.03794
Std Dev 1.045

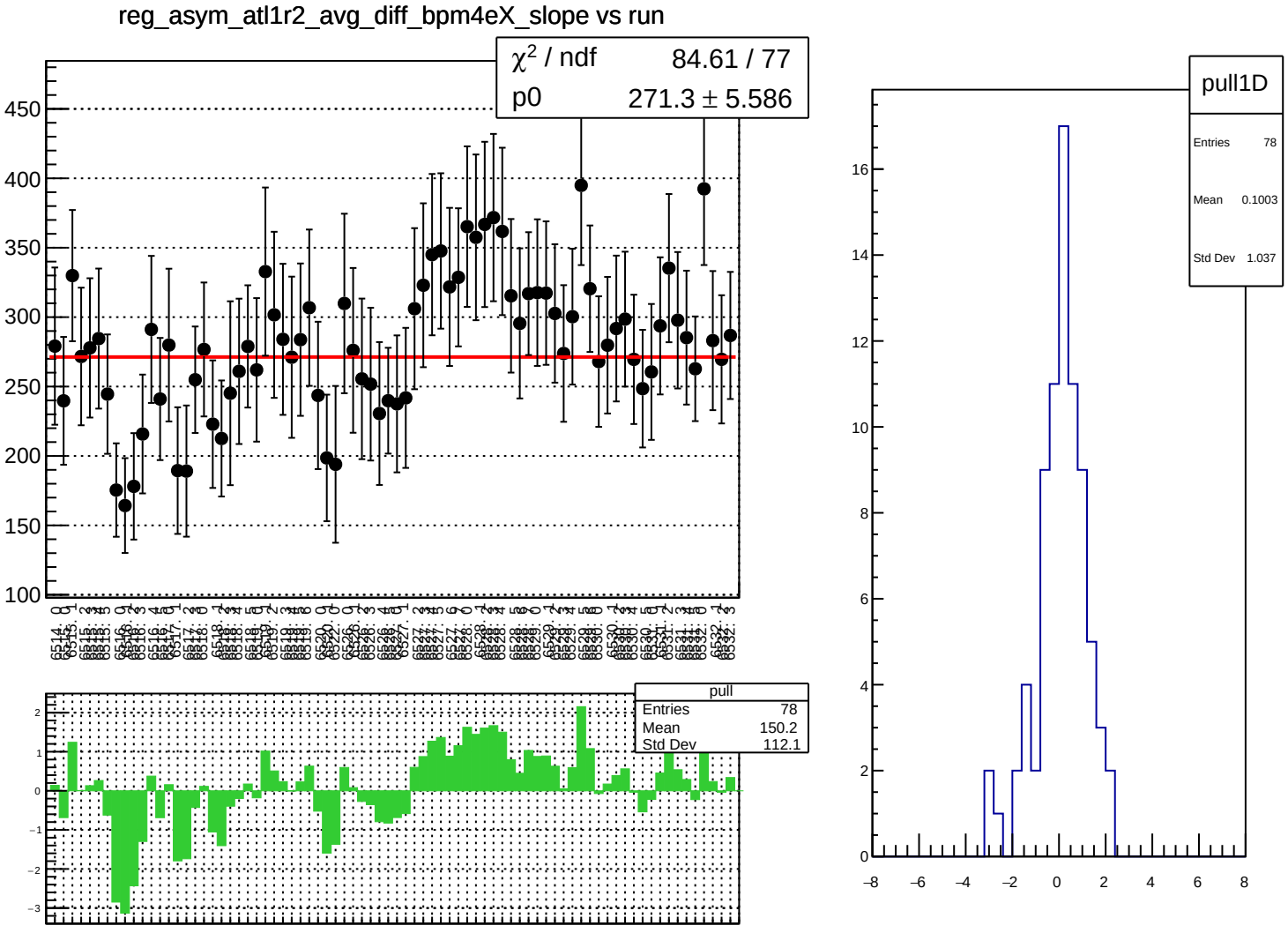

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.29 / 77
p0 −6.229 ± 2.479
pull
Entries 78
Mean 169.2
Std Dev 145.6
pull1D
Entries 78
Mean 0.01418
Std Dev 0.9218

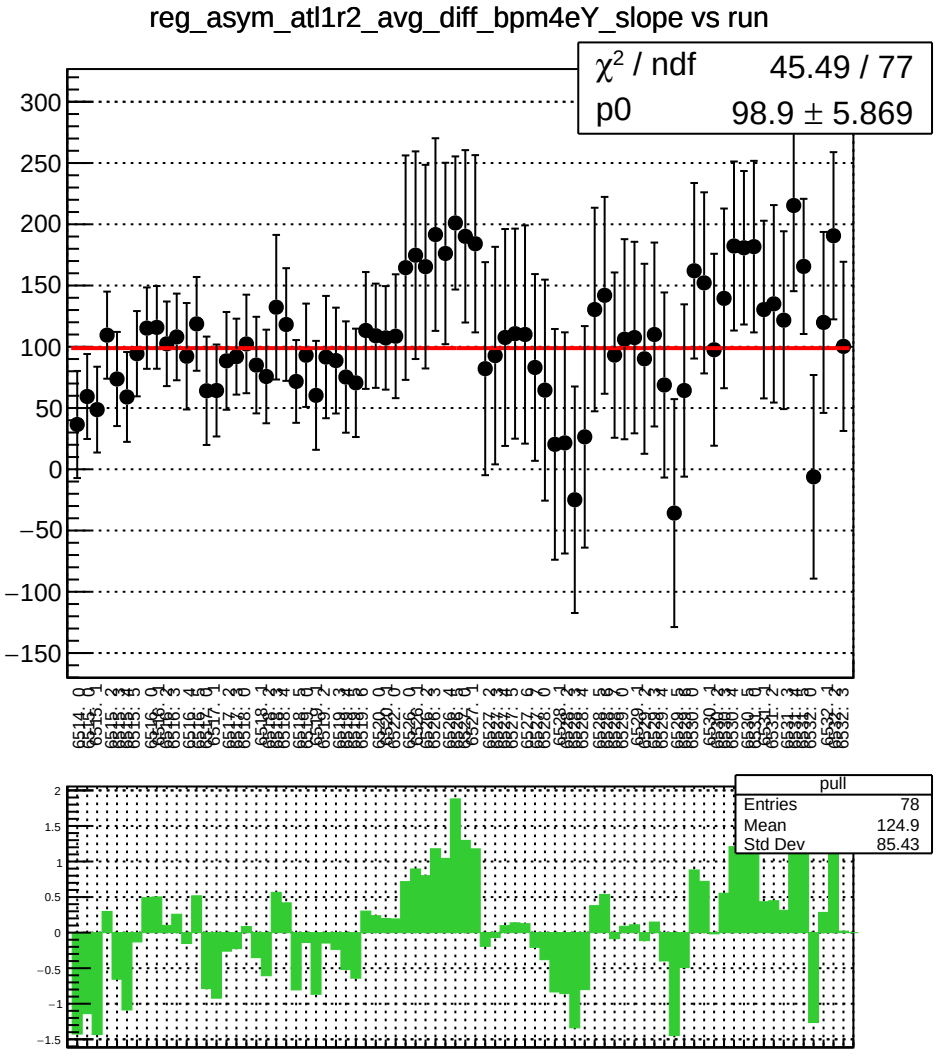

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 113.9 / 77
p0 19.36 ± 0.08749
pull
Entries 78
Mean −120.7
Std Dev 158.9

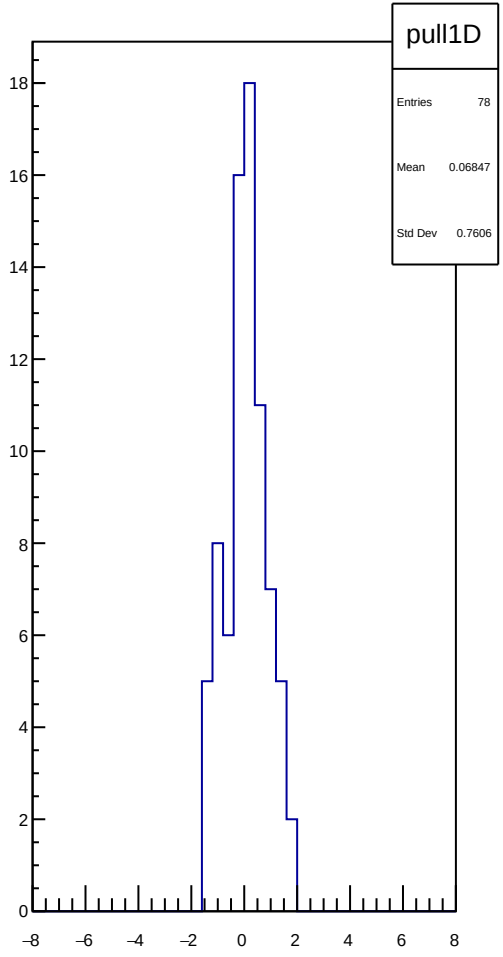

pull1D
Entries 78
Mean 0.05079
Std Dev 1.207

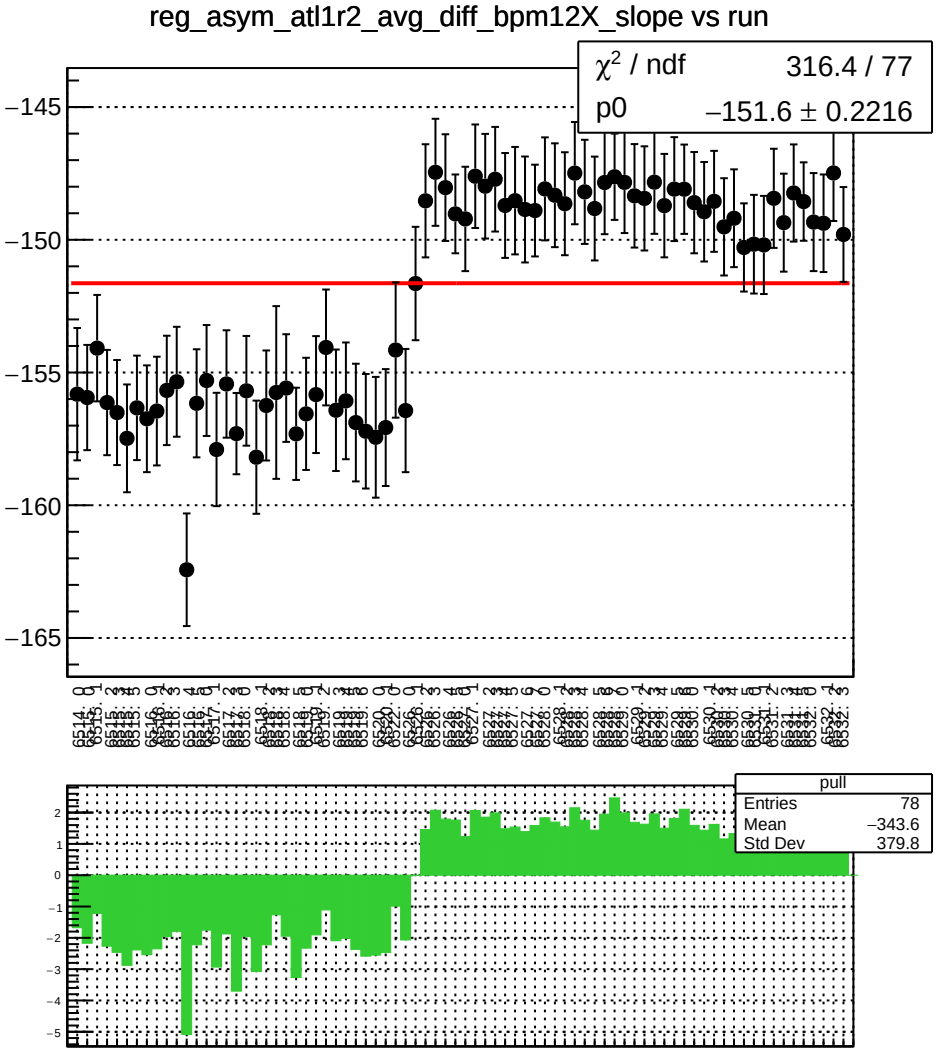

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 89.32 / 77
p0 −183 ± 5.153
pull
Entries 78
Mean 154.5
Std Dev 116.6
pull1D
Entries 78
Mean −0.1031
Std Dev 1.065

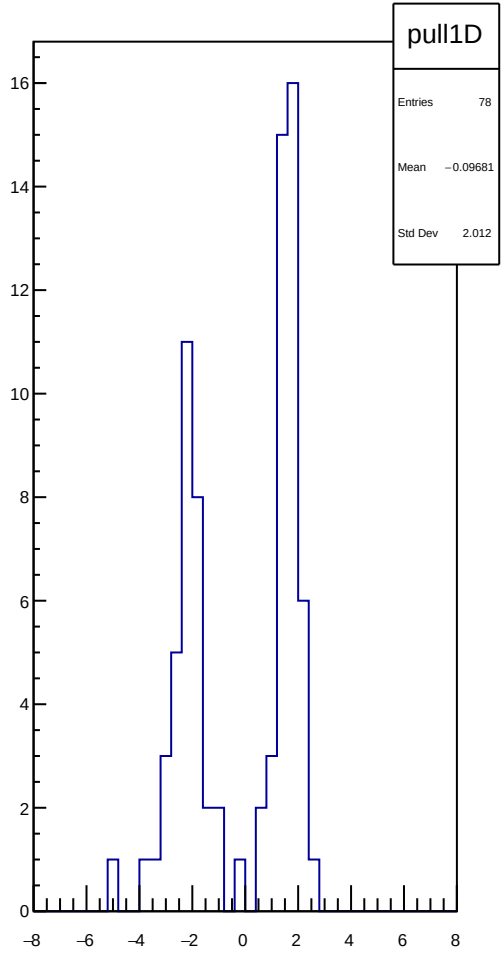

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.53 / 77
p0 −22.14 ± 5.103
pull
Entries 78
Mean 92.78
Std Dev 50.81
pull1D
Entries 78
Mean −0.1374
Std Dev 0.7767

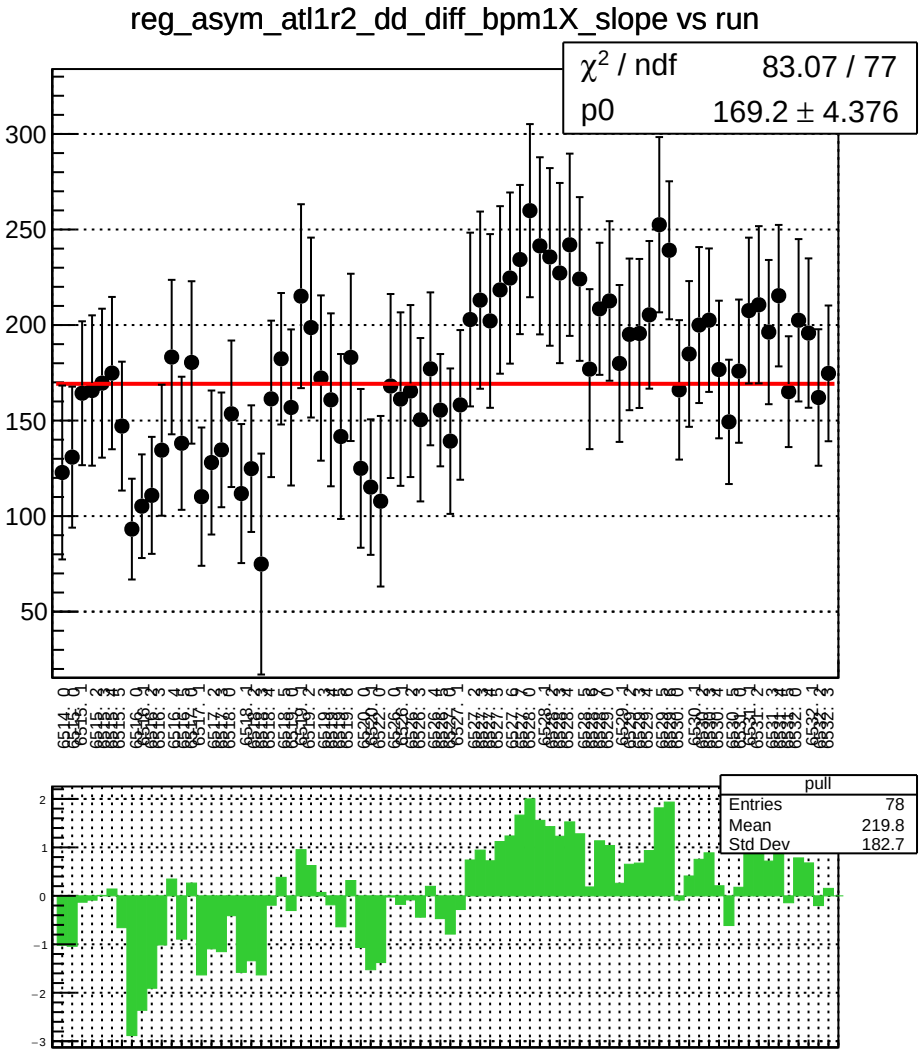

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.61 / 77
p0 271.3 ± 5.586
pull
Entries 78
Mean 150.2
Std Dev 112.1
pull1D
Entries 78
Mean 0.1003
Std Dev 1.037

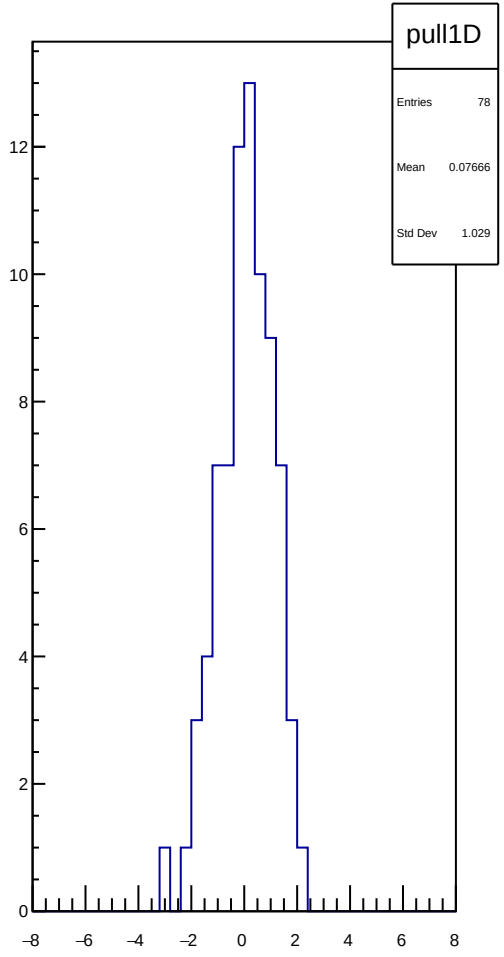

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.49 / 77
p0 98.9 ± 5.869
pull
Entries 78
Mean 124.9
Std Dev 85.43

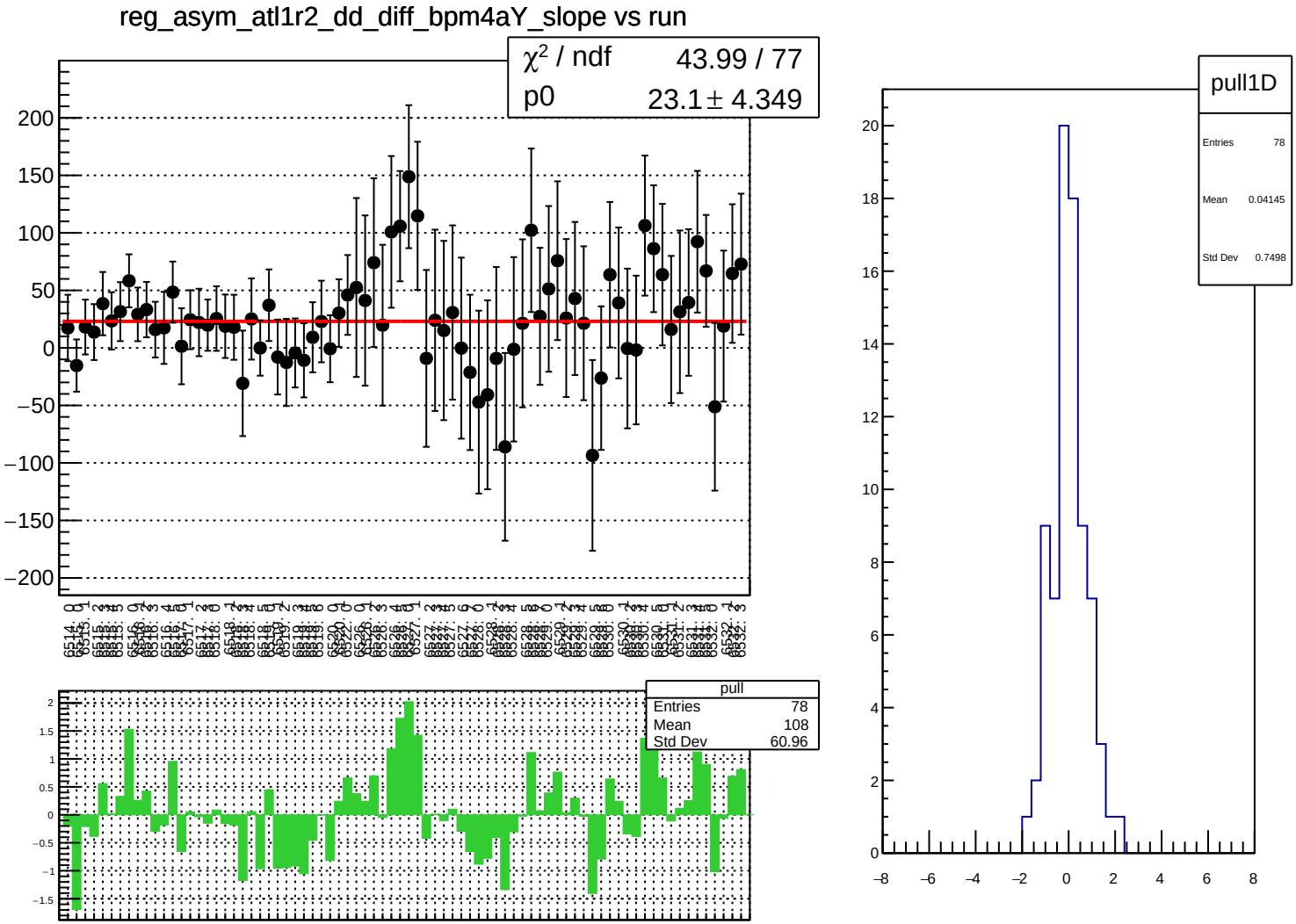

pull1D
Entries 78
Mean 0.06847
Std Dev 0.7606

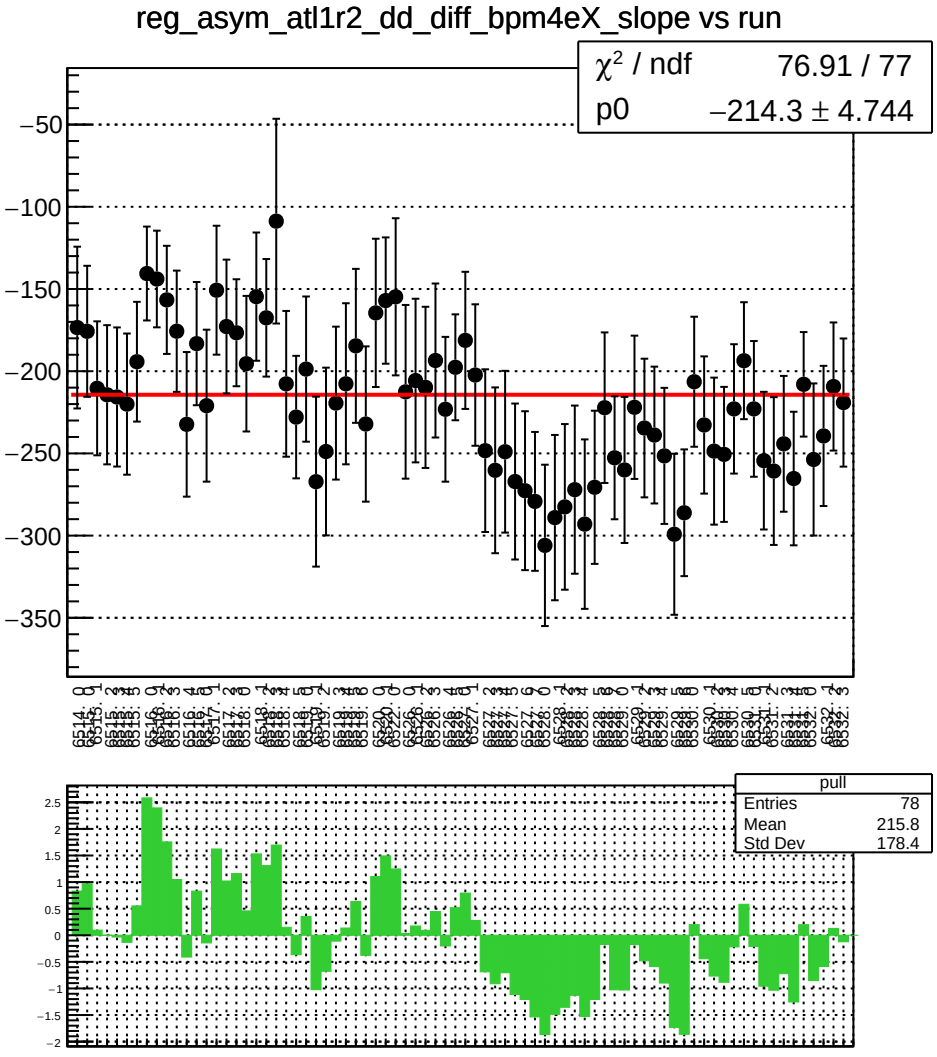

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 316.4 / 77
p0 −151.6 ± 0.2216
pull
Entries 78
Mean −343.6
Std Dev 379.8

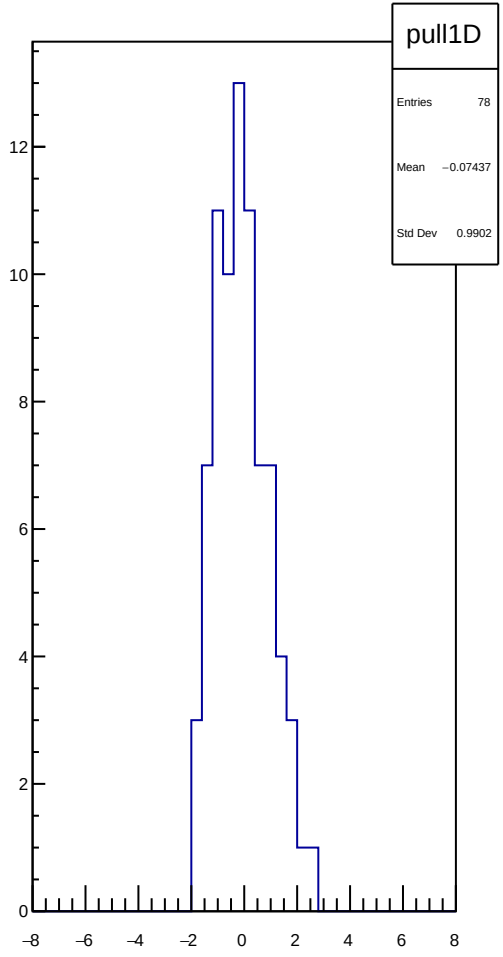

pull1D
Entries 78
Mean −0.09681
Std Dev 2.012

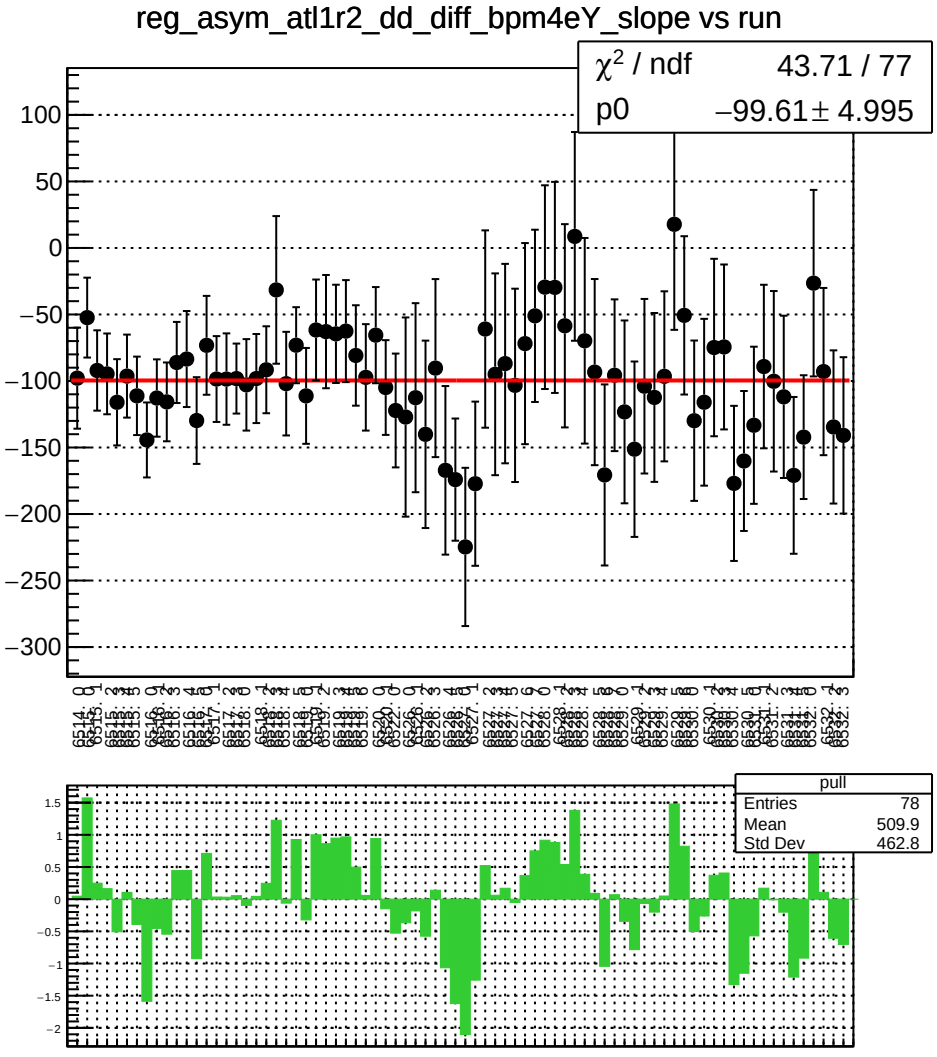

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 83.07 / 77
p0 169.2 ± 4.376
pull
Entries 78
Mean 219.8
Std Dev 182.7

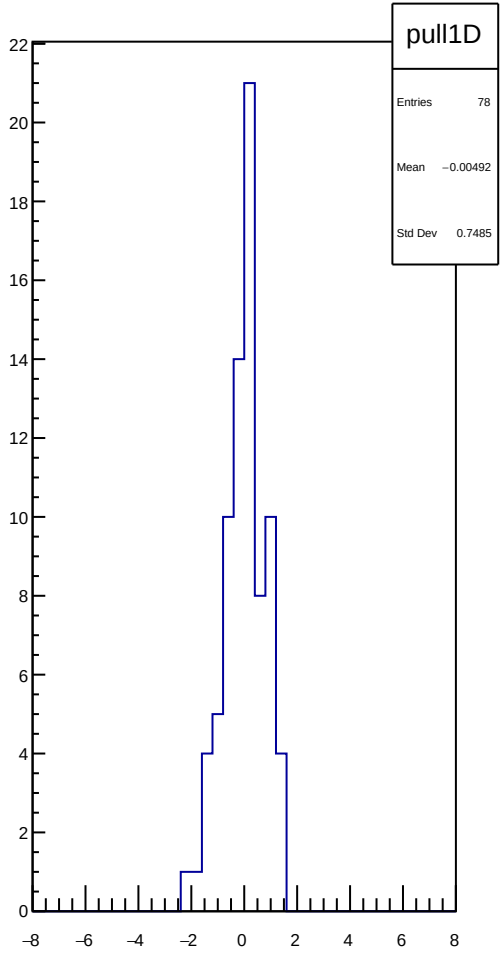

pull1D
Entries 78
Mean 0.07666
Std Dev 1.029

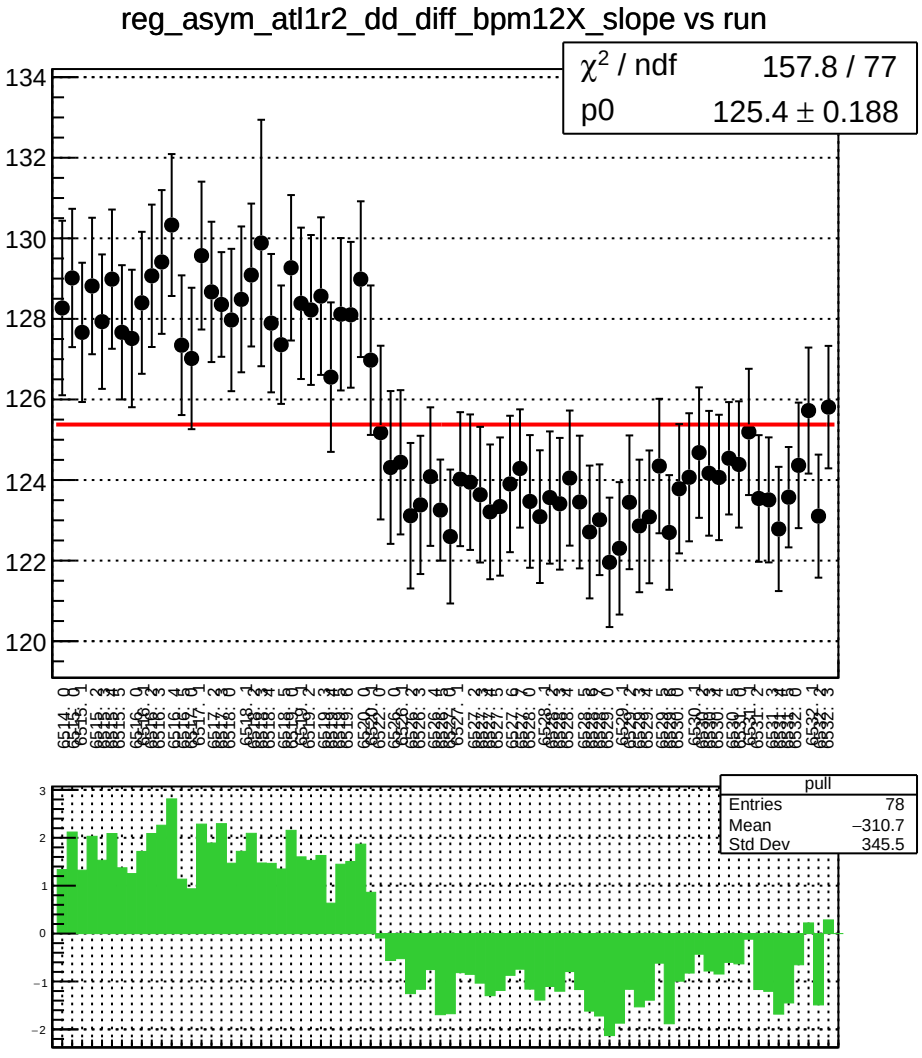

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.99 / 77
p0 23.1 ± 4.349
pull
Entries 78
Mean 108
Std Dev 60.96
pull1D
Entries 78
Mean 0.04145
Std Dev 0.7498

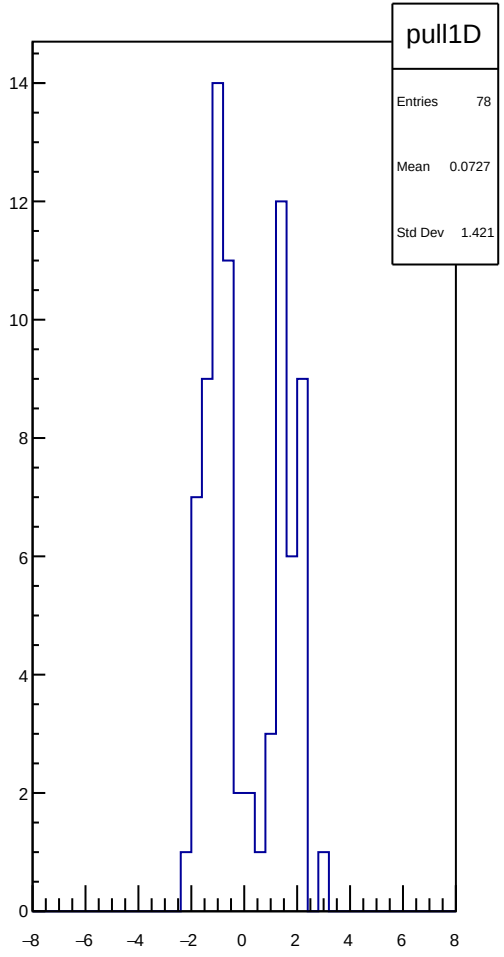

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 76.91 / 77
p0 −214.3 ± 4.744
pull
Entries 78
Mean 215.8
Std Dev 178.4

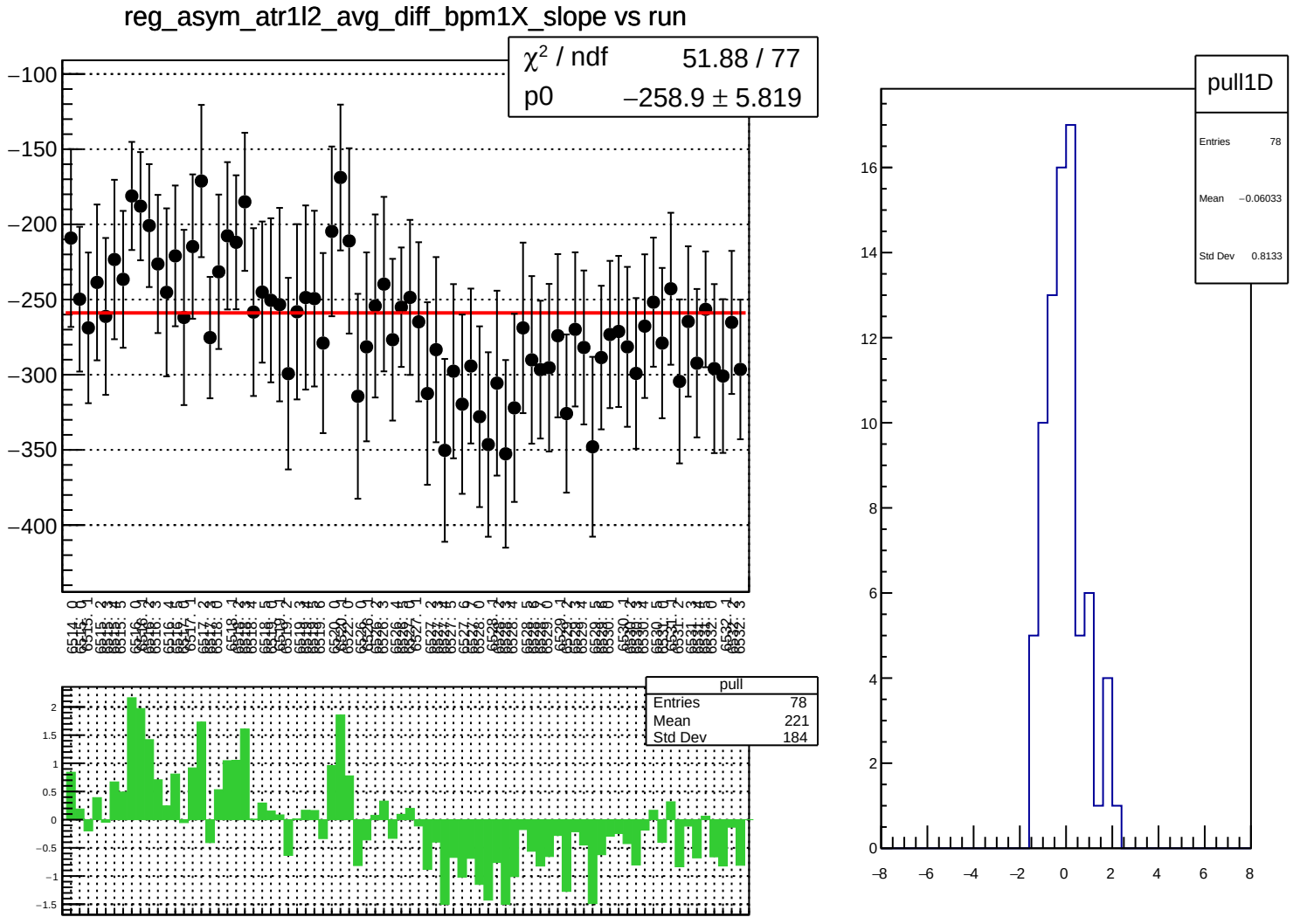

pull1D
Entries 78
Mean −0.07437
Std Dev 0.9902

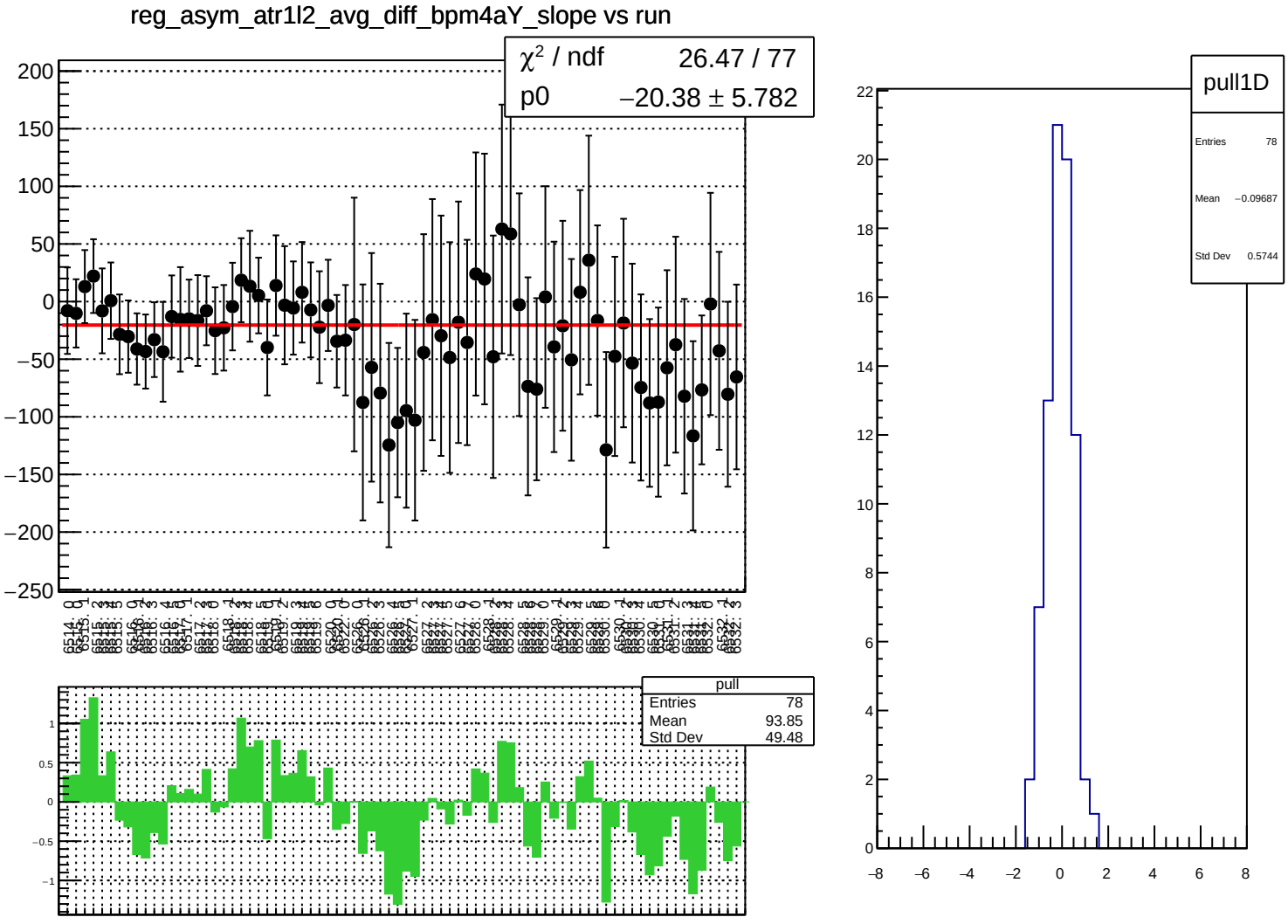

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.71 / 77
p0 −99.61 ± 4.995
pull
Entries 78
Mean 509.9
Std Dev 462.8

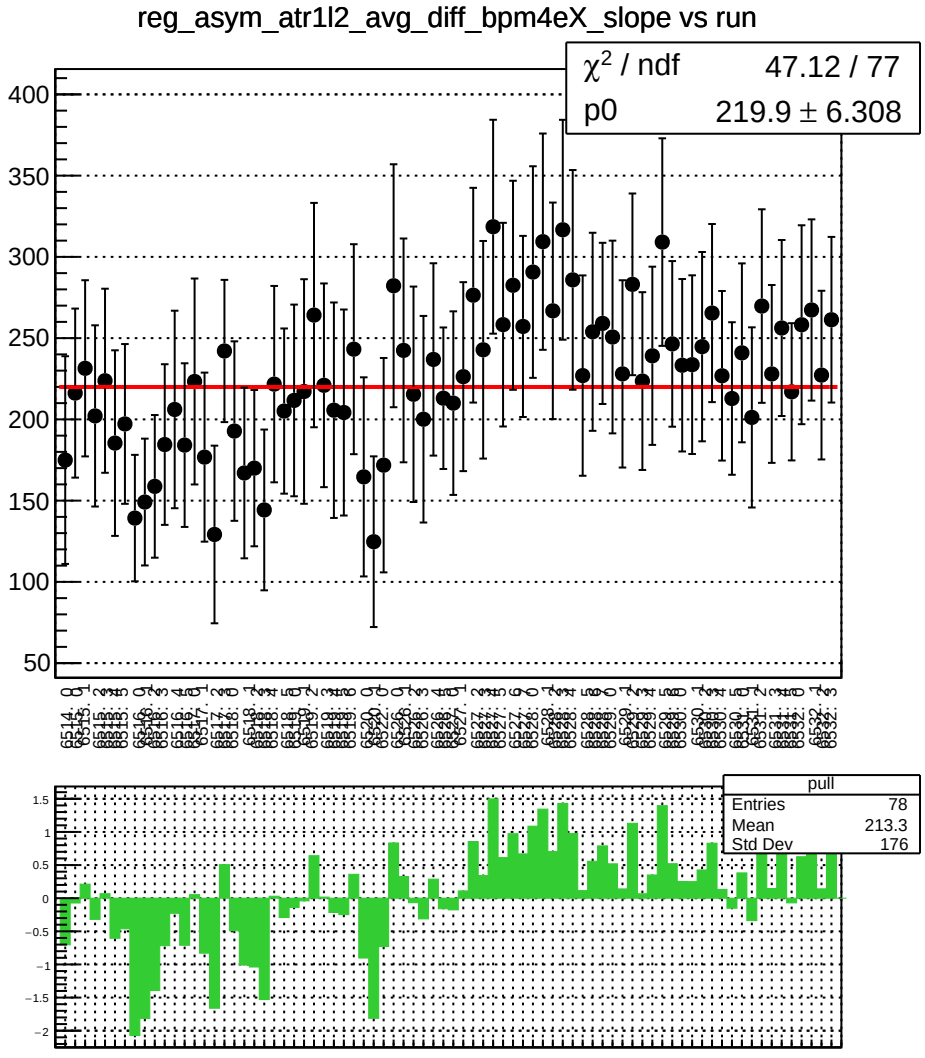

pull1D
Entries 78
Mean −0.00492
Std Dev 0.7485

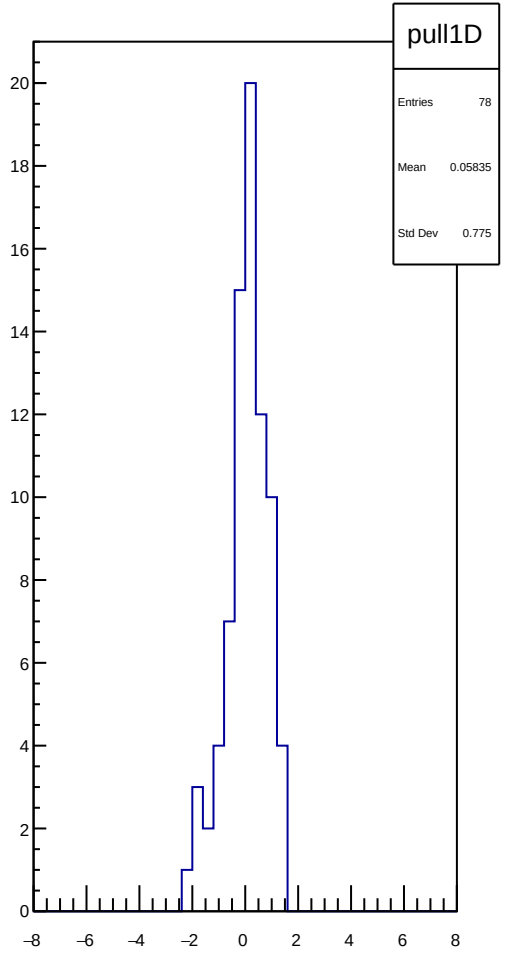

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 157.8 / 77
p0 125.4 ± 0.188
pull
Entries 78
Mean −310.7
Std Dev 345.5

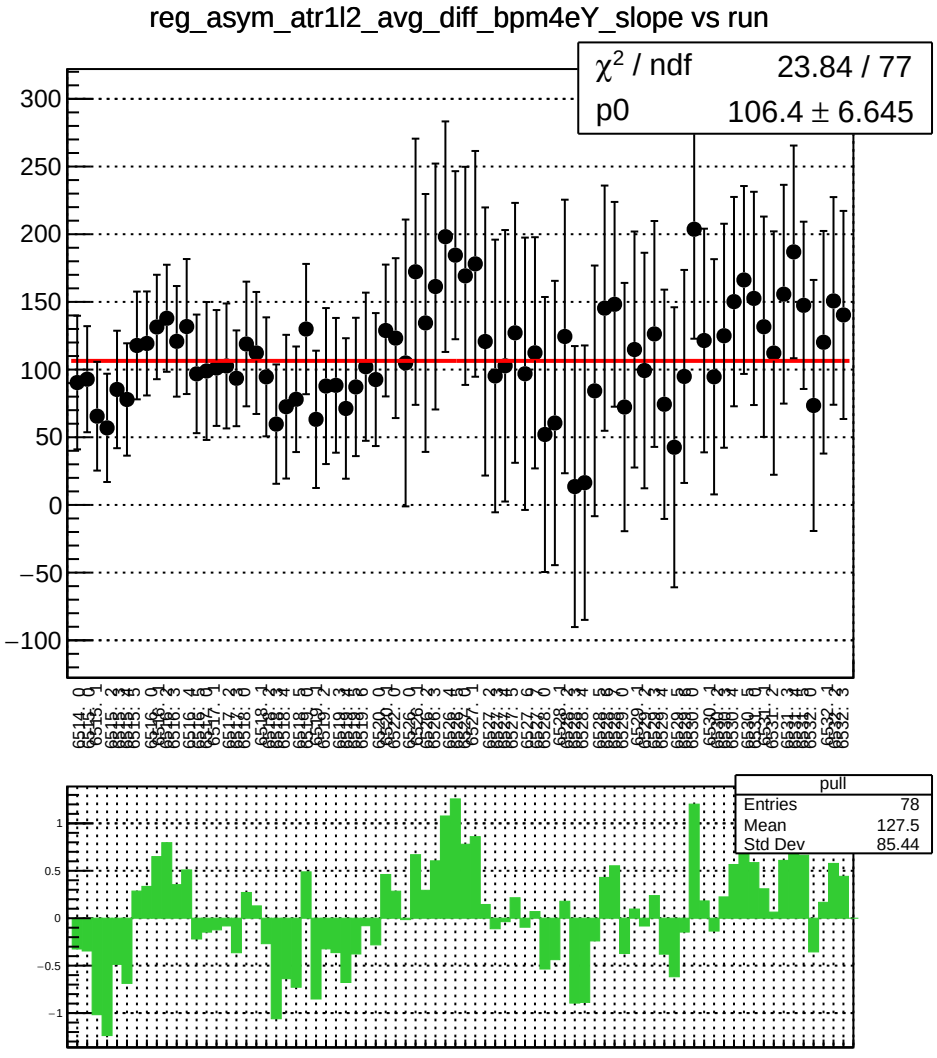

pull1D
Entries 78
Mean 0.0727
Std Dev 1.421

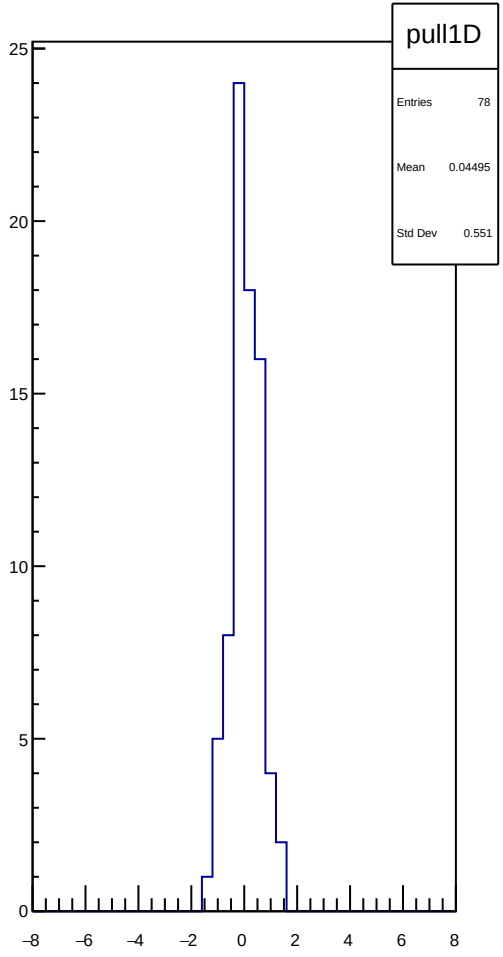

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 51.88 / 77
p0 −258.9 ± 5.819
pull
Entries 78
Mean 221
Std Dev 184
pull1D
Entries 78
Mean −0.06033
Std Dev 0.8133

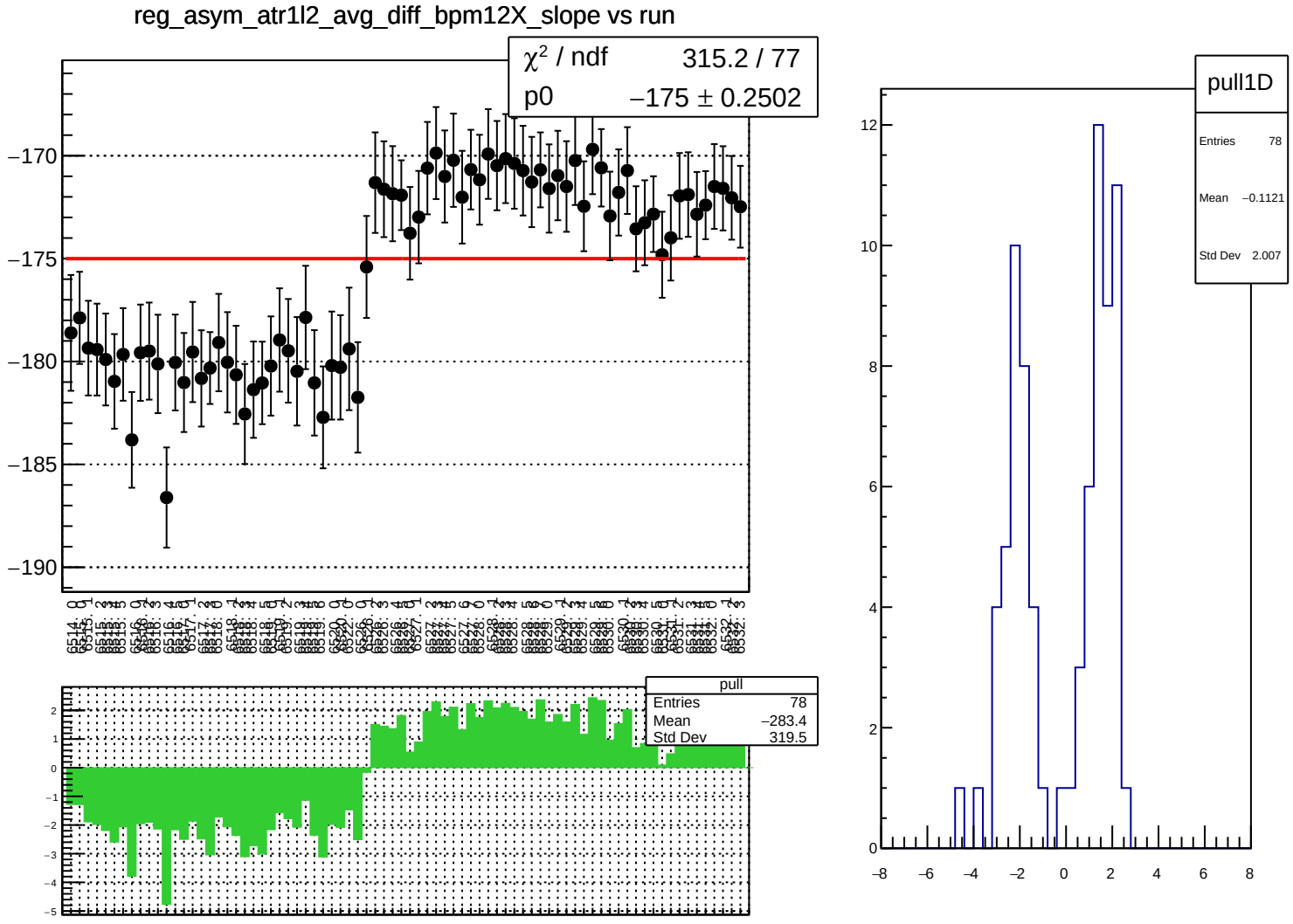

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.47 / 77
p0 −20.38 ± 5.782
pull
Entries 78
Mean 93.85
Std Dev 49.48
pull1D
Entries 78
Mean −0.09687
Std Dev 0.5744

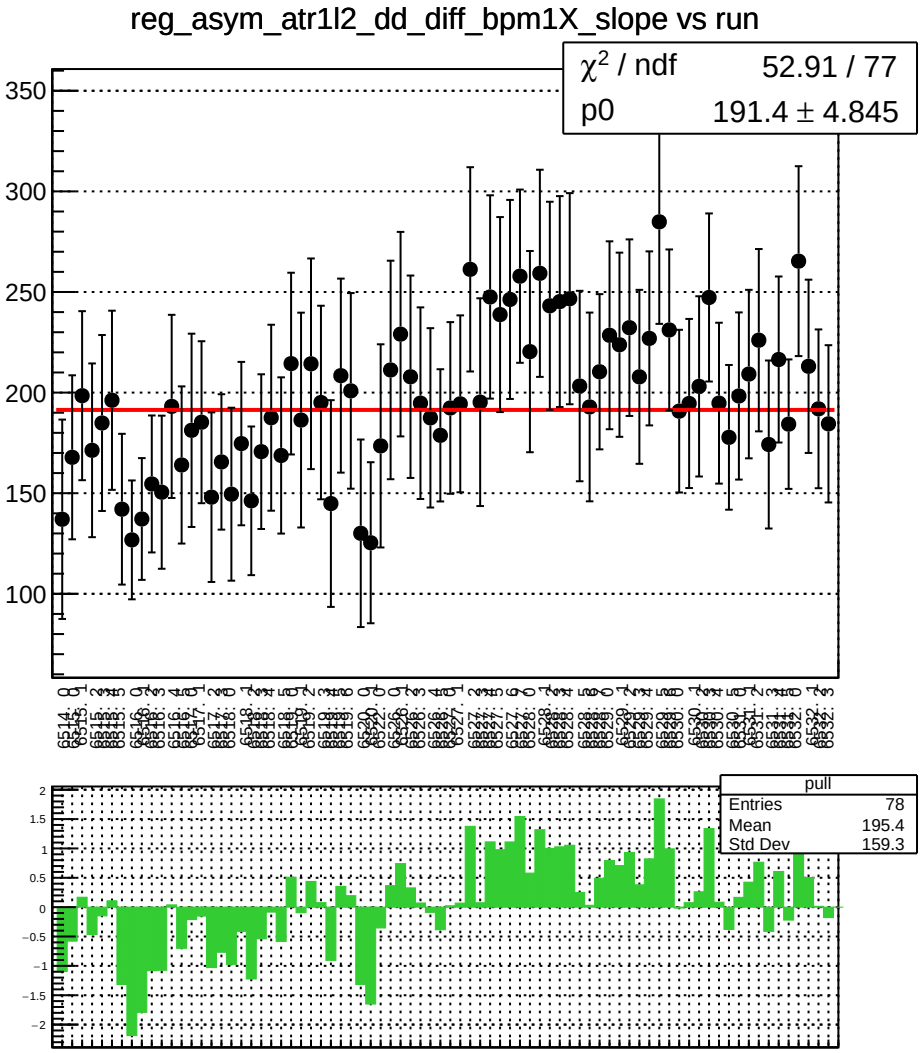

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.12 / 77
p0 219.9 ± 6.308
pull
Entries 78
Mean 213.3
Std Dev 176

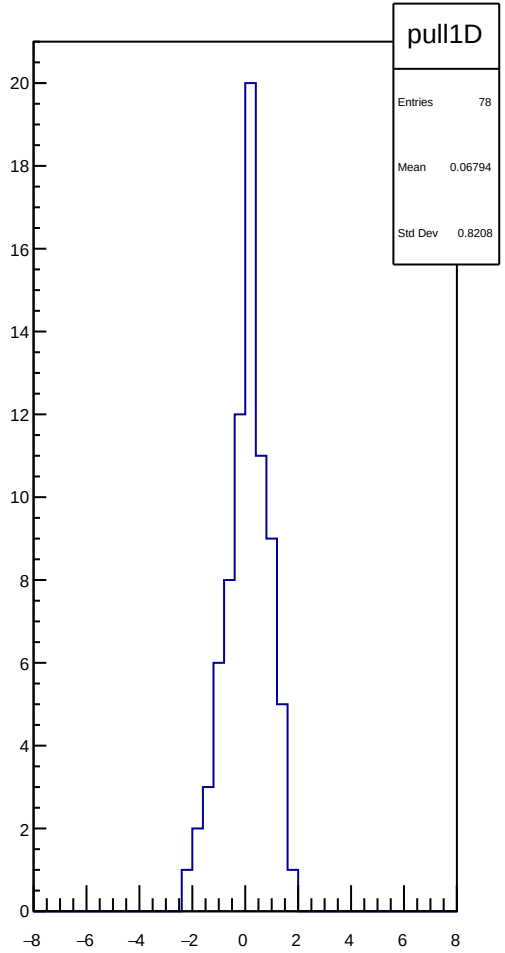

pull1D
Entries 78
Mean 0.05835
Std Dev 0.775

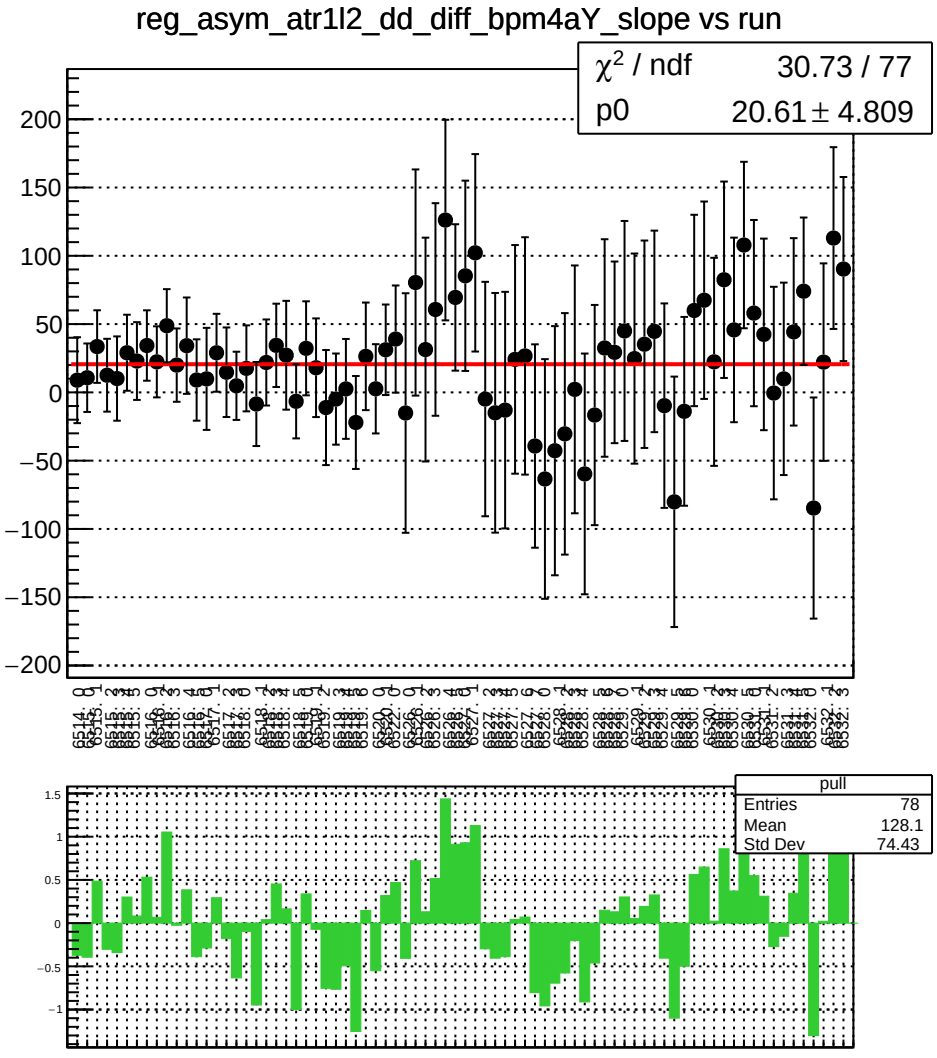

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.84 / 77
p0 106.4 ± 6.645
pull
Entries 78
Mean 127.5
Std Dev 85.44

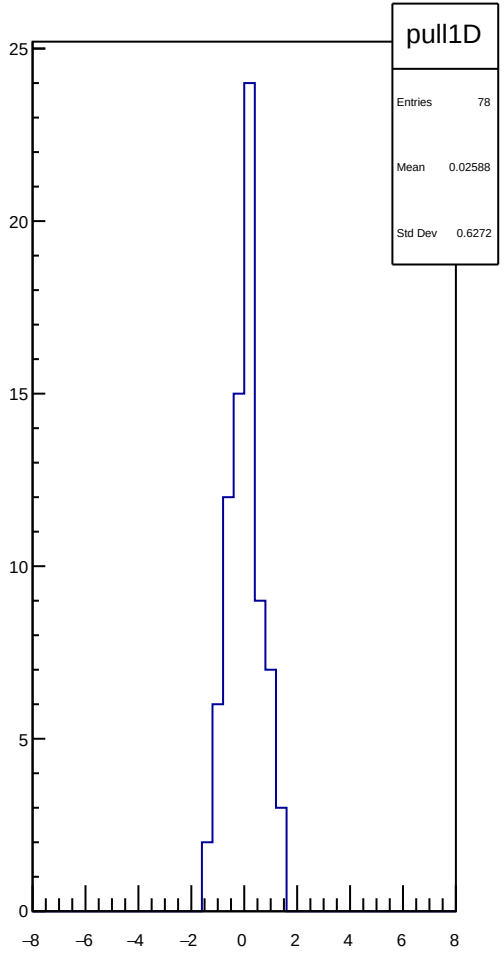

pull1D
Entries 78
Mean 0.04495
Std Dev 0.551

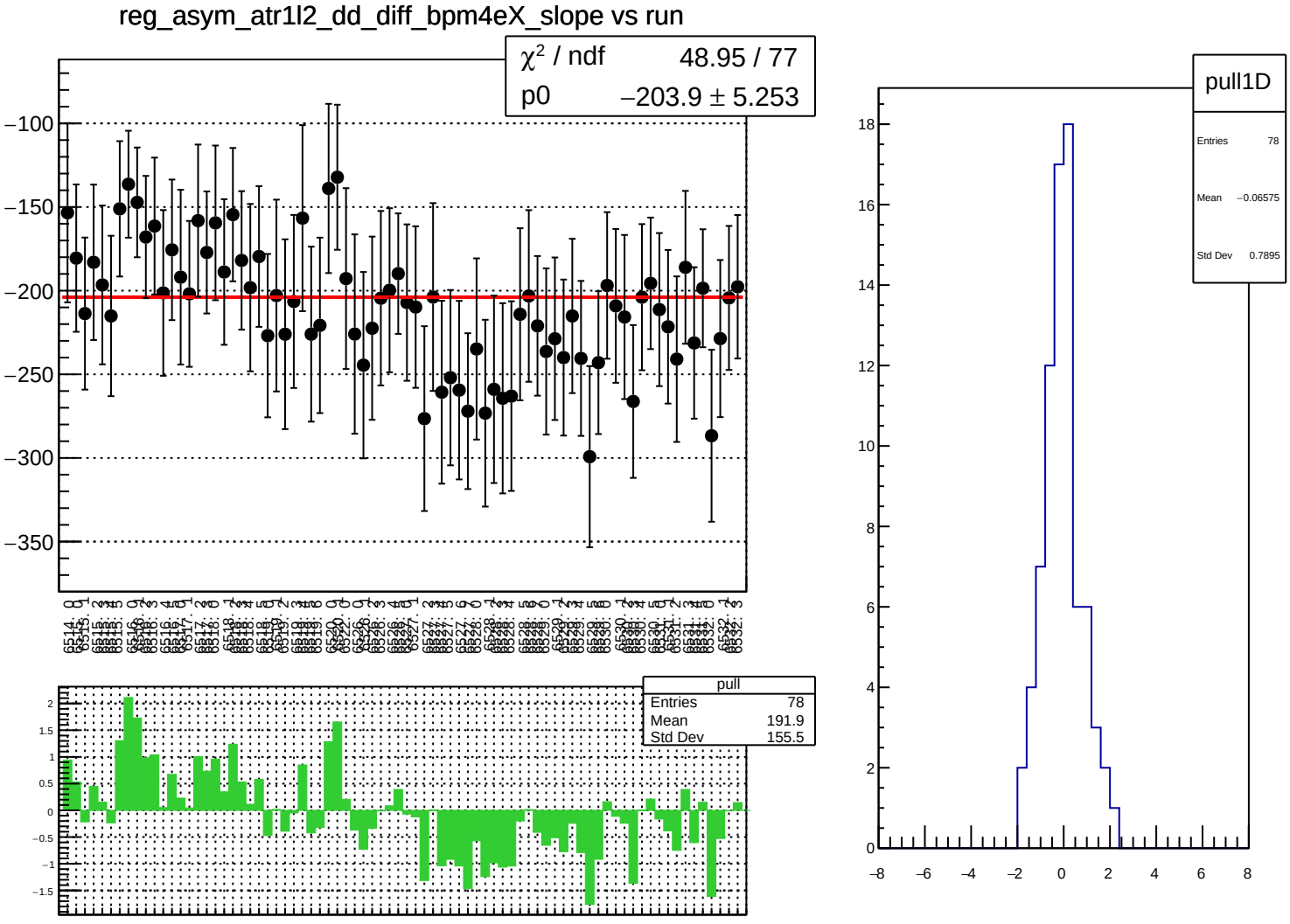

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 315.2 / 77
p0 −175 ± 0.2502
−170
−175
−180
−185
−190
pull
Entries 78
Mean −283.4
Std Dev 319.5
pull1D
Entries 78
Mean −0.1121
Std Dev 2.007

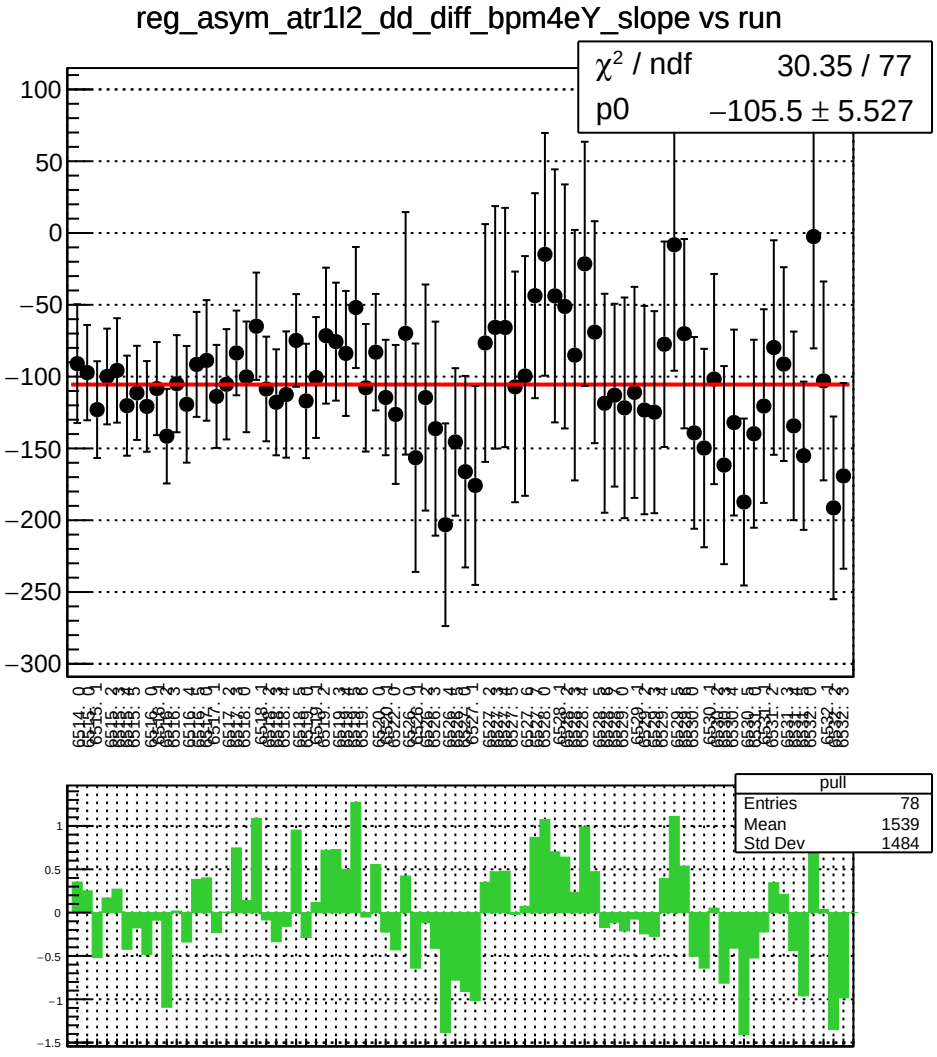

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.91 / 77
p0 191.4 ± 4.845
pull
Entries 78
Mean 195.4
Std Dev 159.3

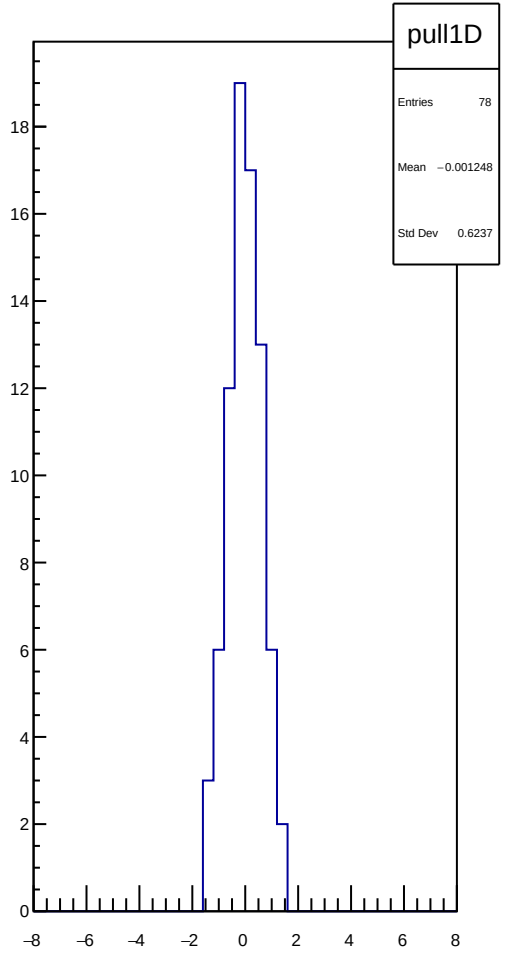

pull1D
Entries 78
Mean 0.06794
Std Dev 0.8208

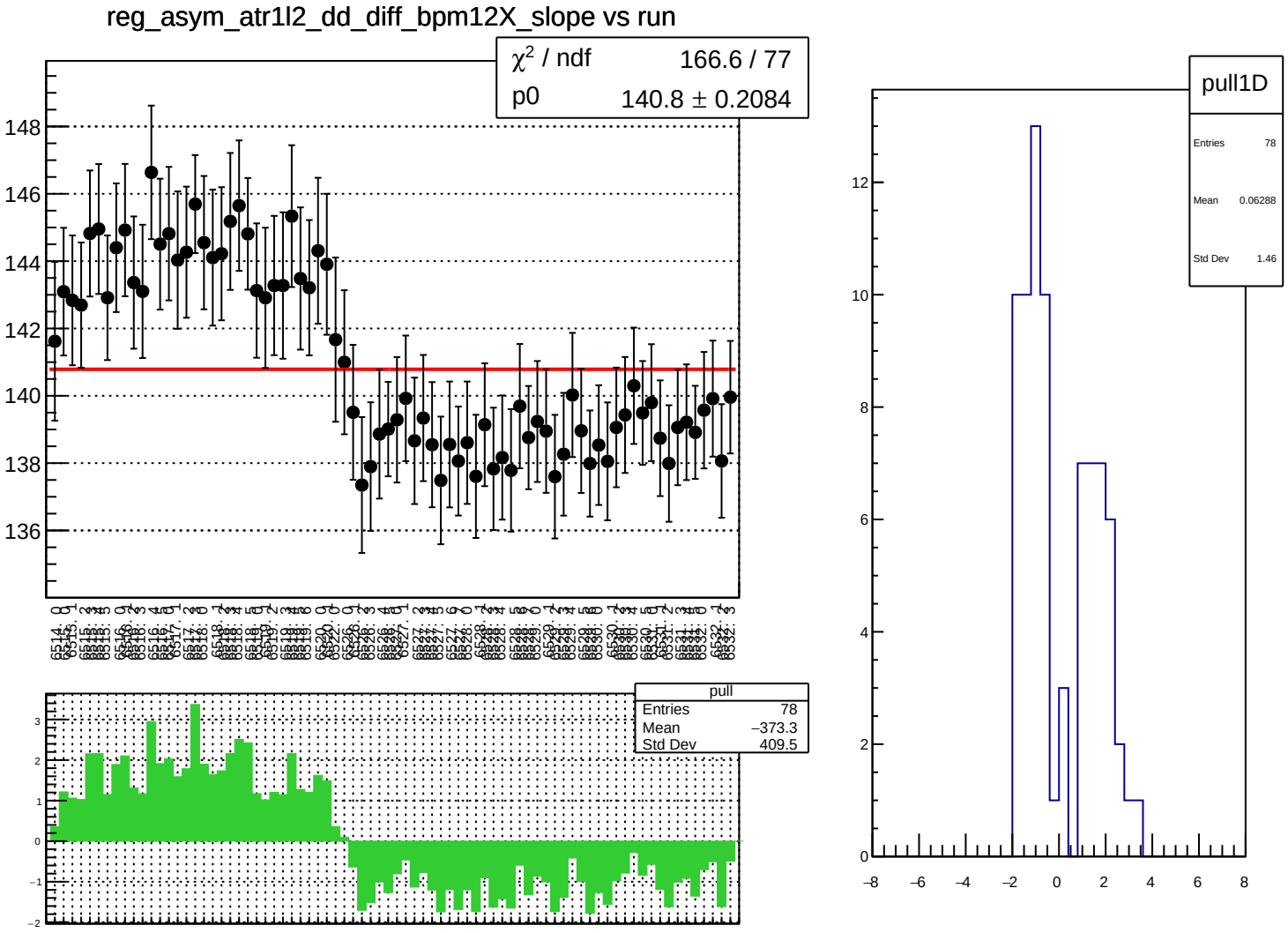

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 30.73 / 77
p0 20.61 ± 4.809
pull
Entries 78
Mean 128.1
Std Dev 74.43

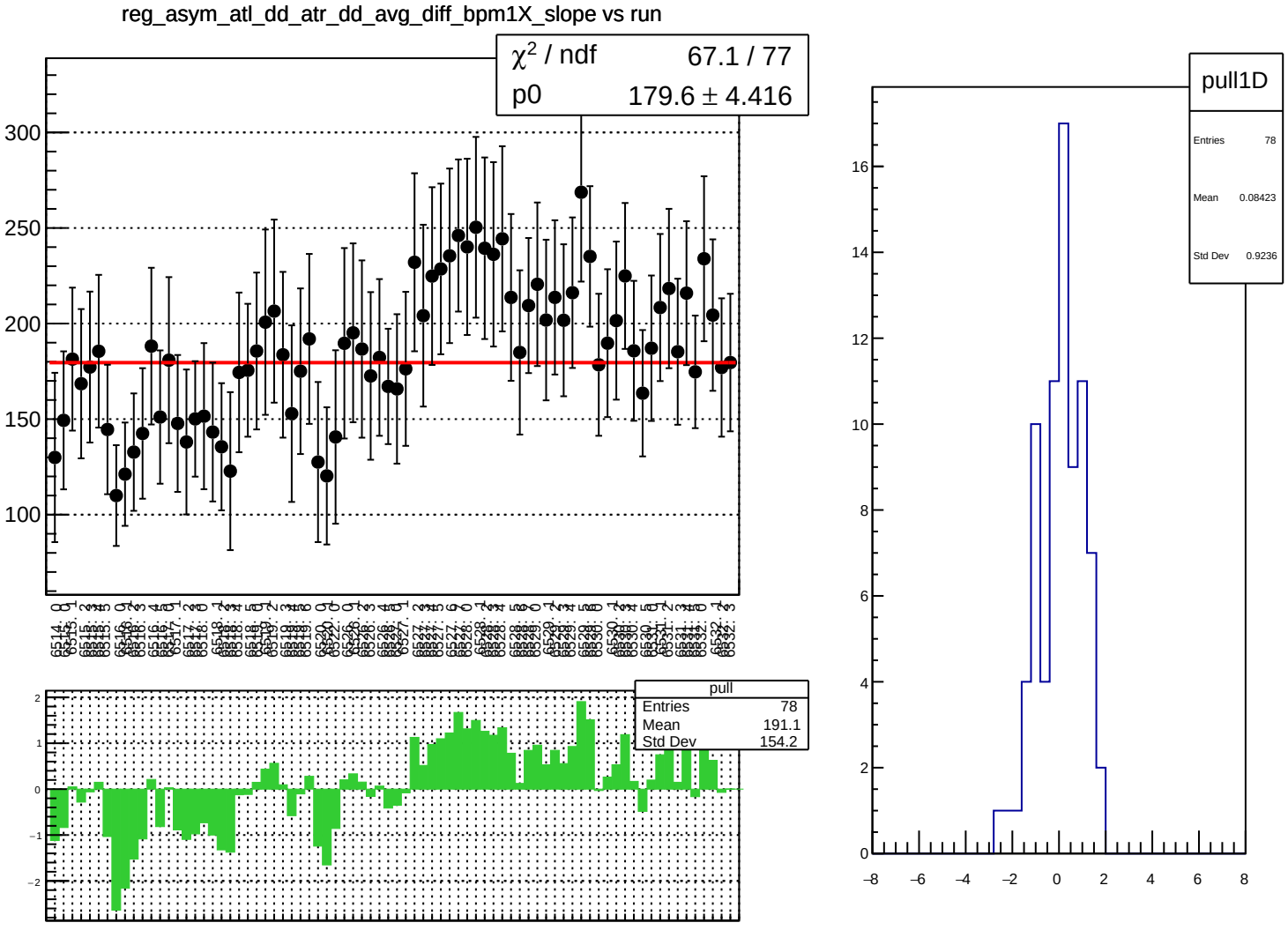

pull1D
Entries 78
Mean 0.02588
Std Dev 0.6272

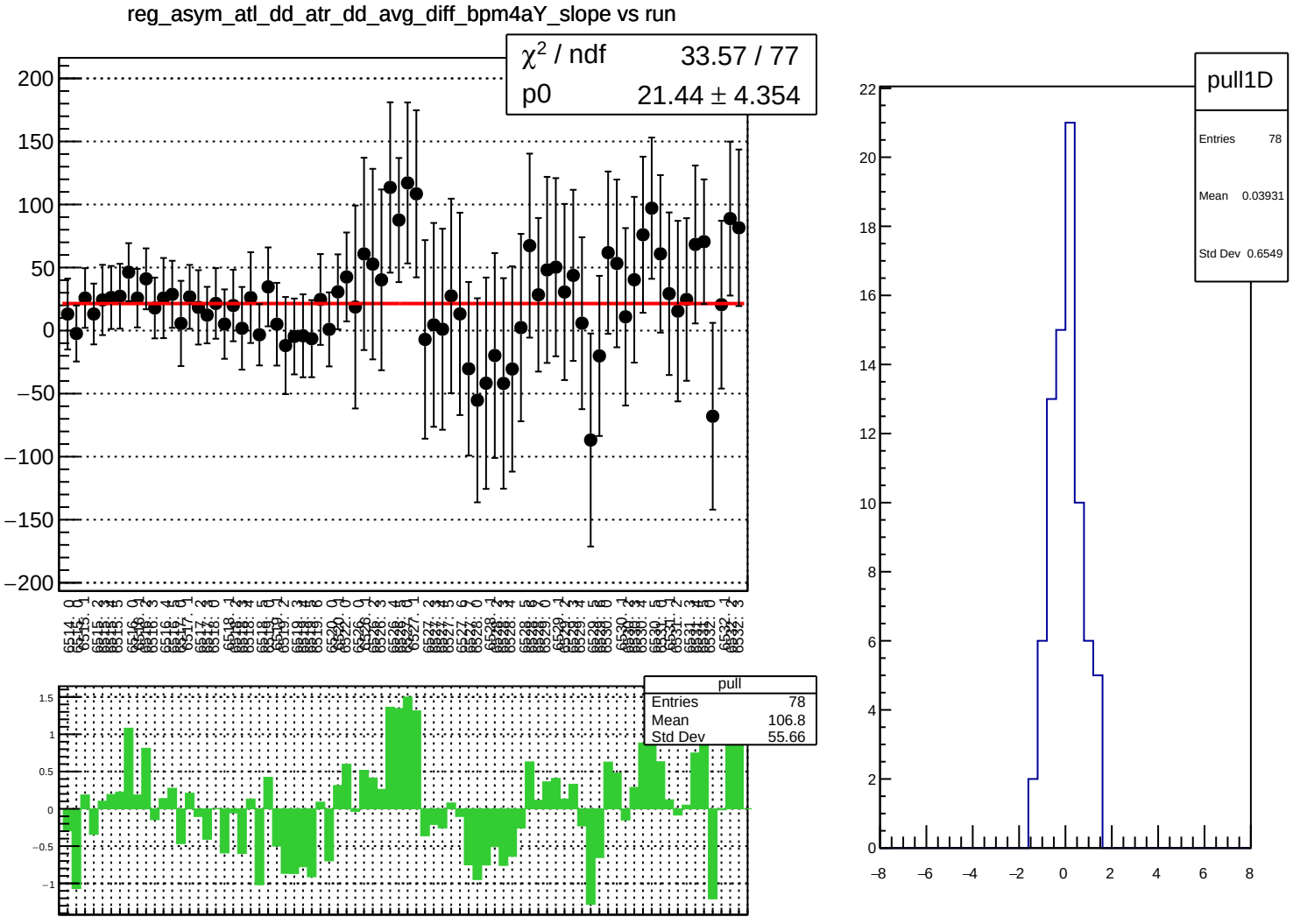

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.95 / 77
p0 −203.9 ± 5.253
pull
Entries 78
Mean 191.9
Std Dev 155.5
pull1D
Entries 78
Mean −0.06575
Std Dev 0.7895

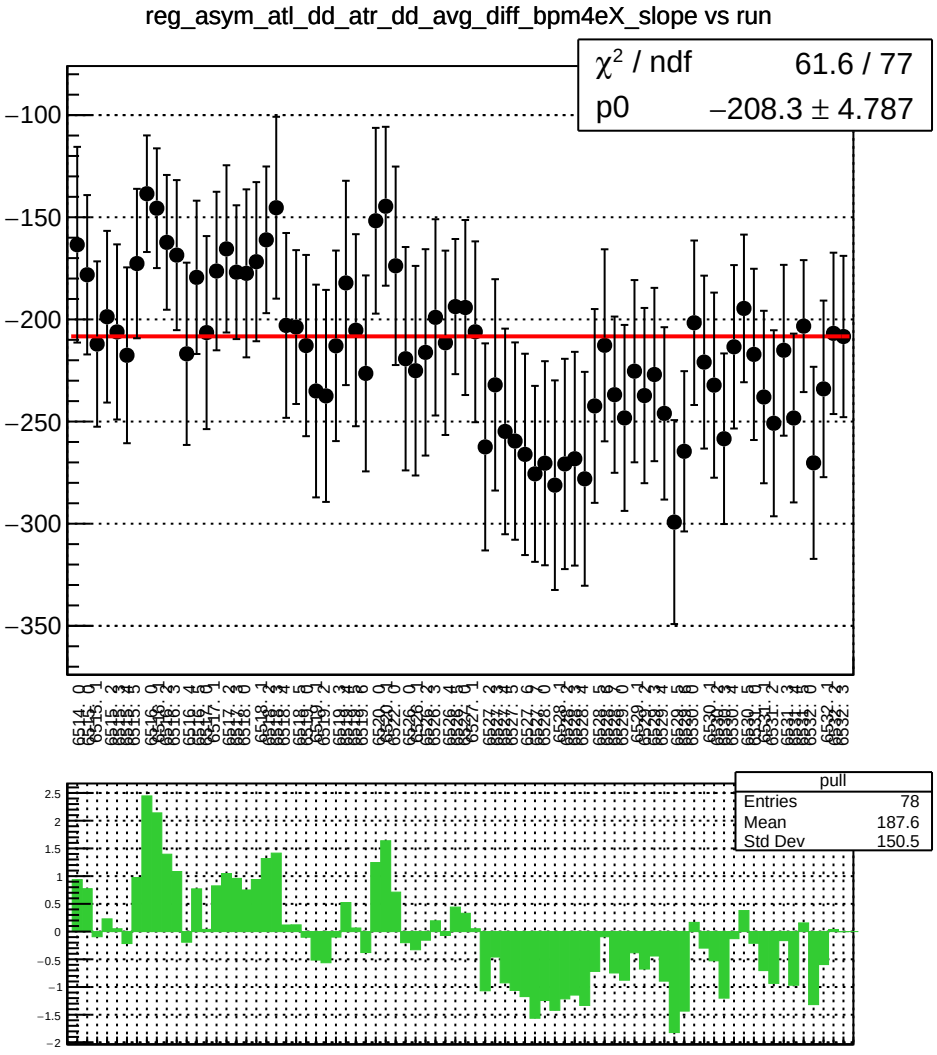

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.35 / 77
p0 −105.5 ± 5.527
pull
Entries 78
Mean 1539
Std Dev 1484

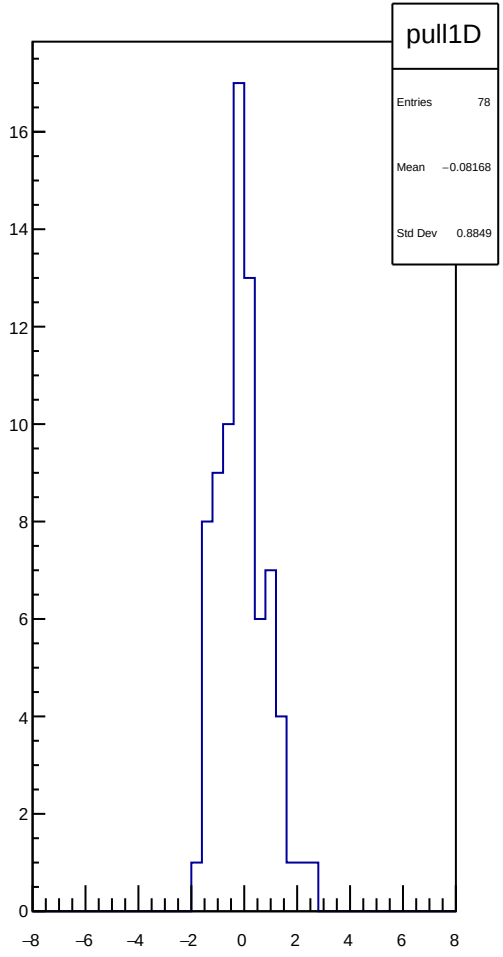

pull1D
Entries 78
Mean −0.001248
Std Dev 0.6237

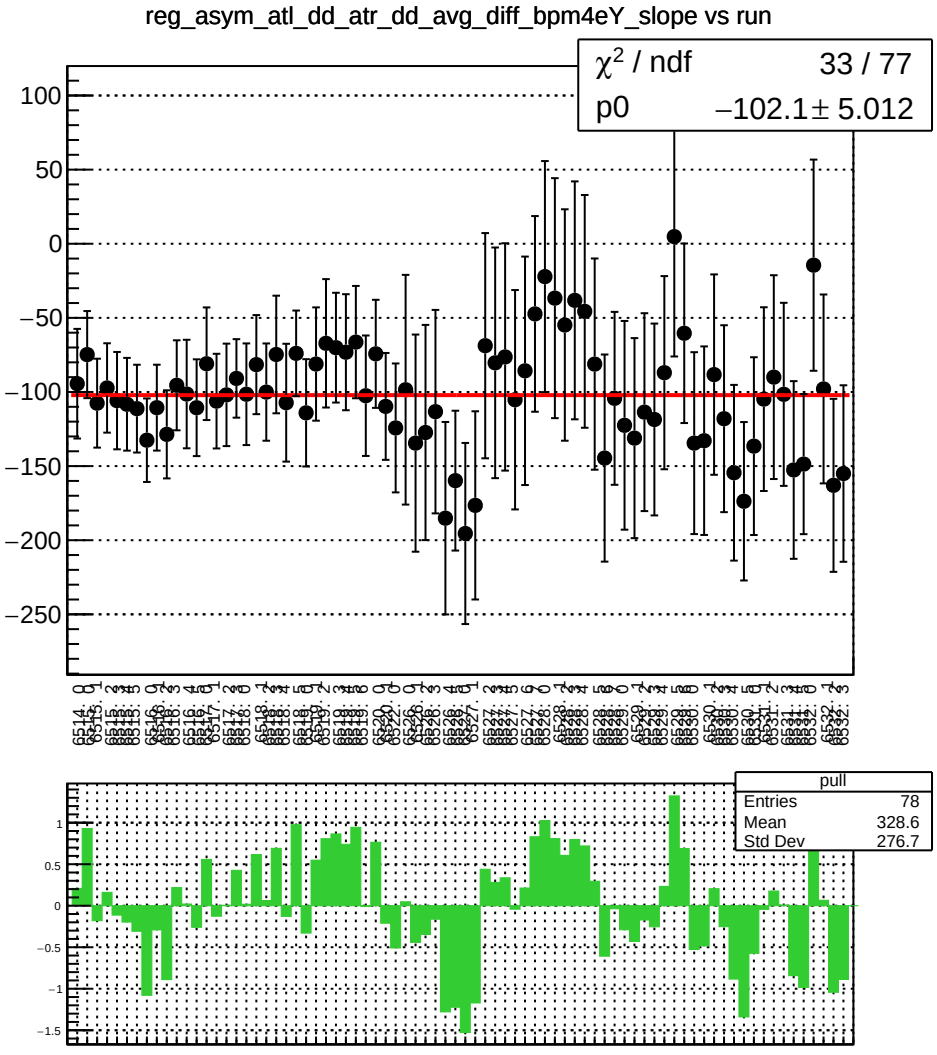

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 166.6 / 77
p0 140.8 ± 0.2084
148
146
144
142
140
138
136
pull
Entries 78
Mean −373.3
Std Dev 409.5
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.06288
Std Dev 1.46
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

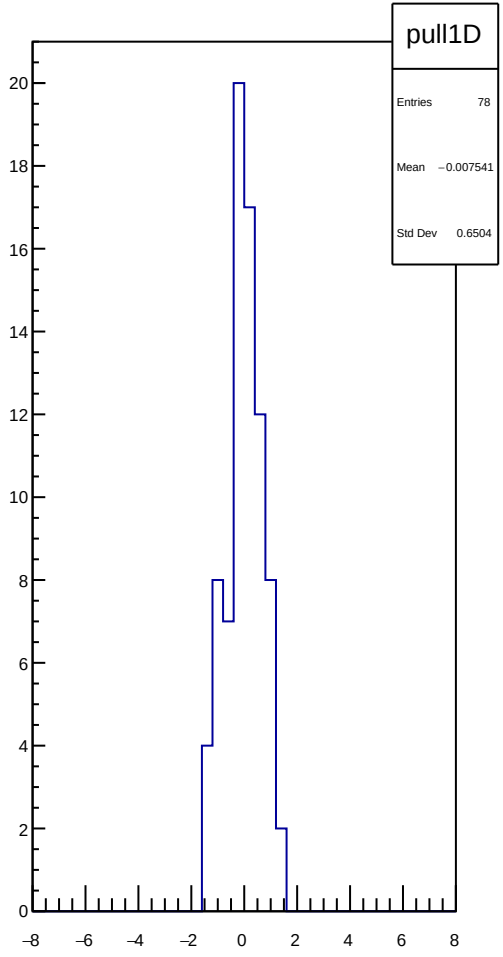

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 67.1 / 77
p0 179.6 ± 4.416
pull
Entries 78
Mean 191.1
Std Dev 154.2
pull1D
Entries 78
Mean 0.08423
Std Dev 0.9236

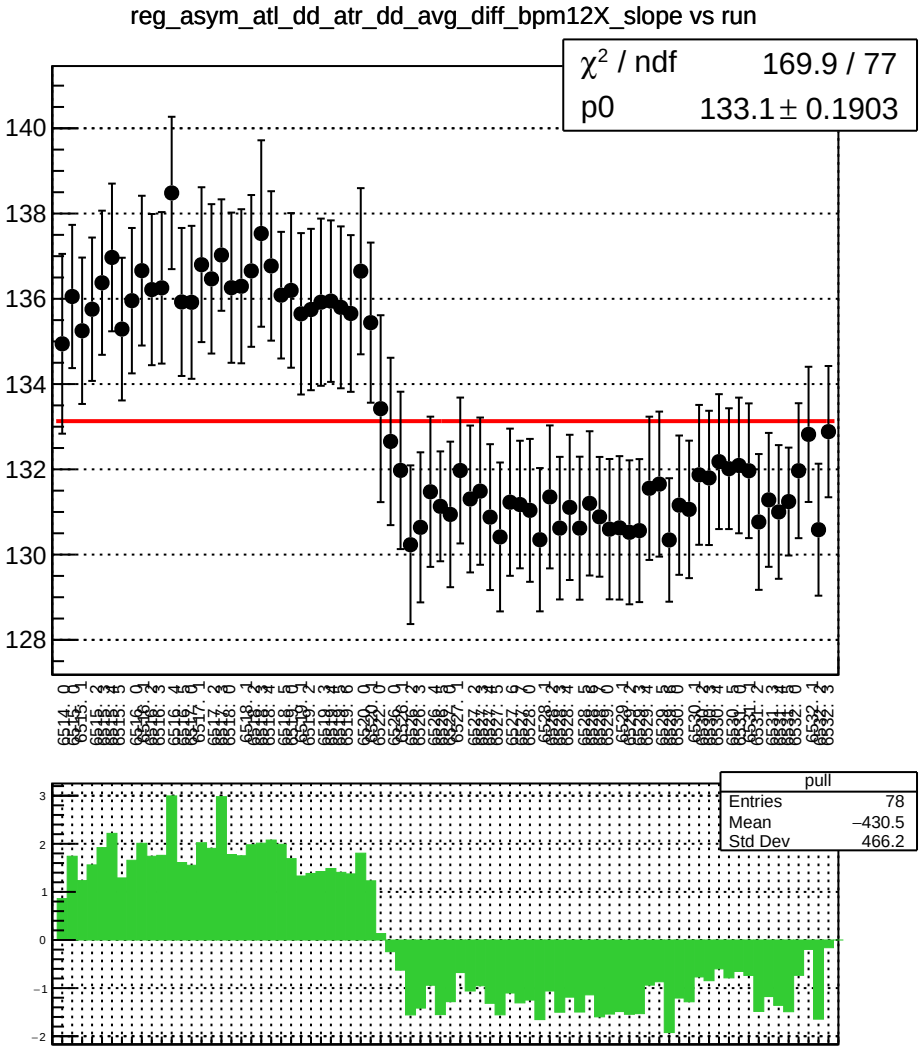

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.57 / 77
p0 21.44 ± 4.354
pull
Entries 78
Mean 106.8
Std Dev 55.66
pull1D
Entries 78
Mean 0.03931
Std Dev 0.6549

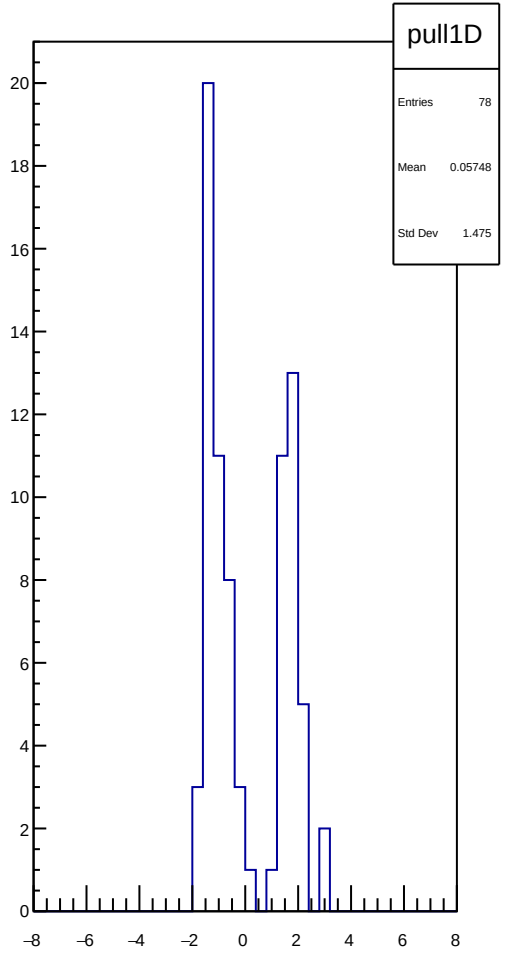

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.6 / 77
p0 −208.3 ± 4.787
pull
Entries 78
Mean 187.6
Std Dev 150.5

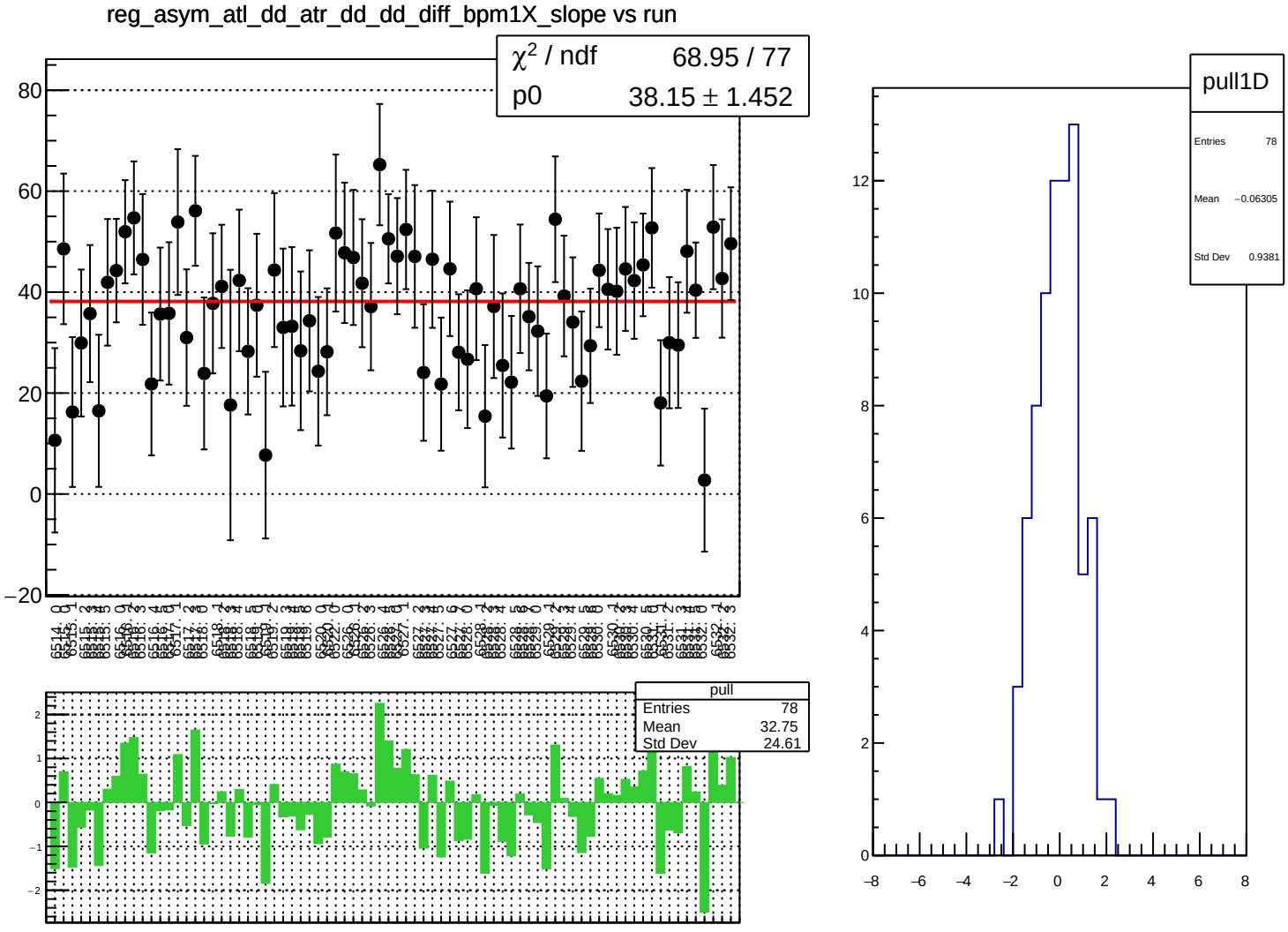

pull1D
Entries 78
Mean −0.08168
Std Dev 0.8849

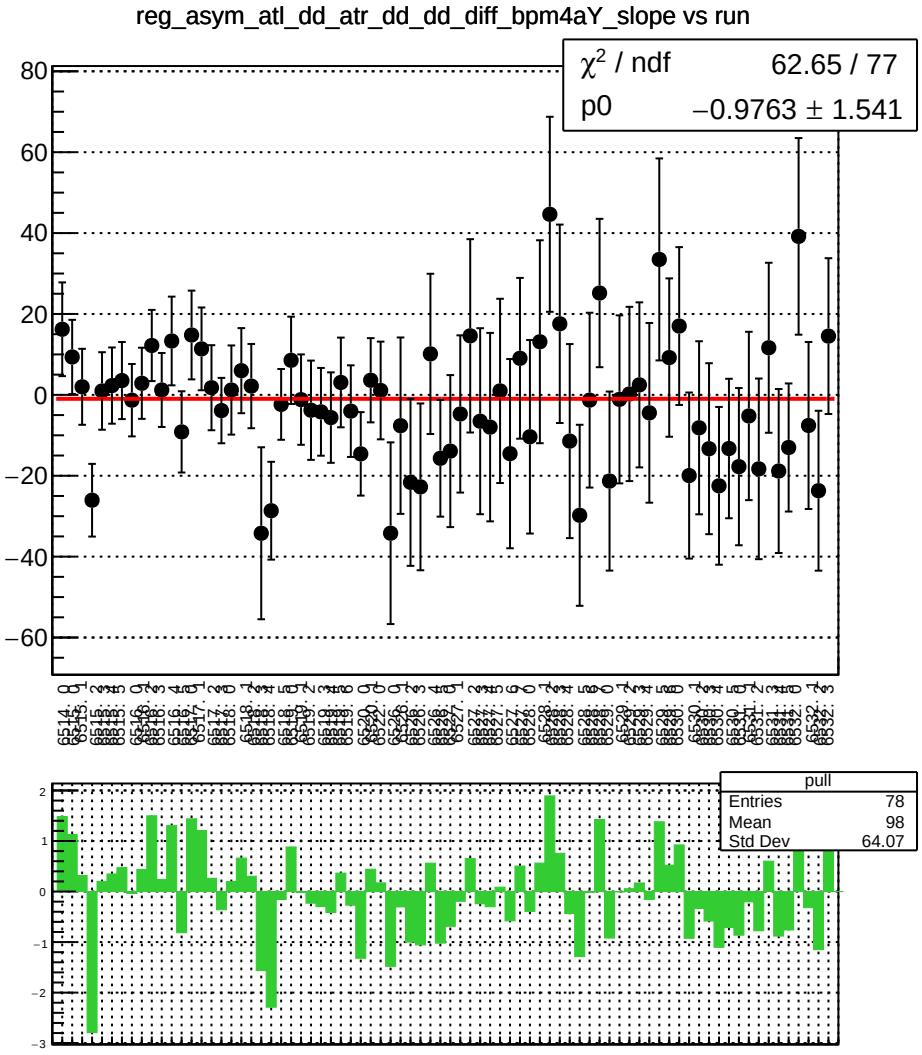

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 33 / 77
p0 −102.1 ± 5.012
pull
Entries 78
Mean 328.6
Std Dev 276.7

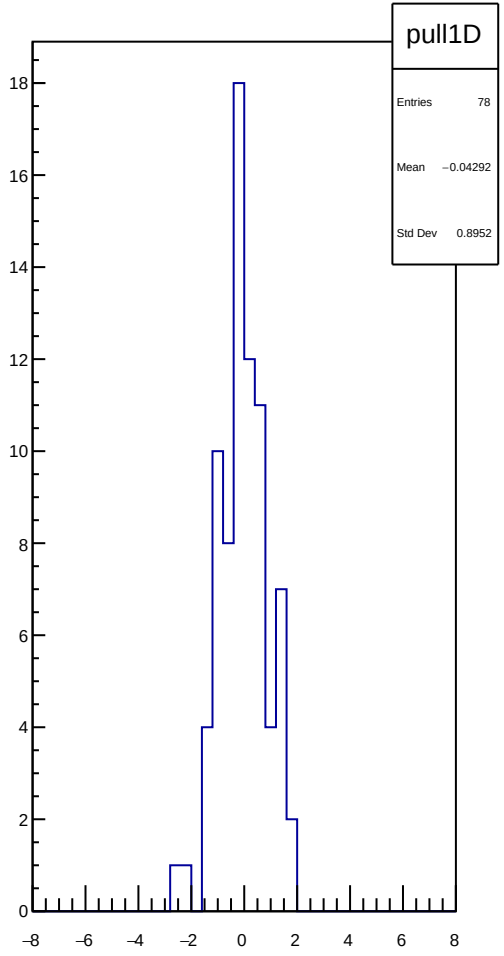

pull1D
Entries 78
Mean −0.007541
Std Dev 0.6504

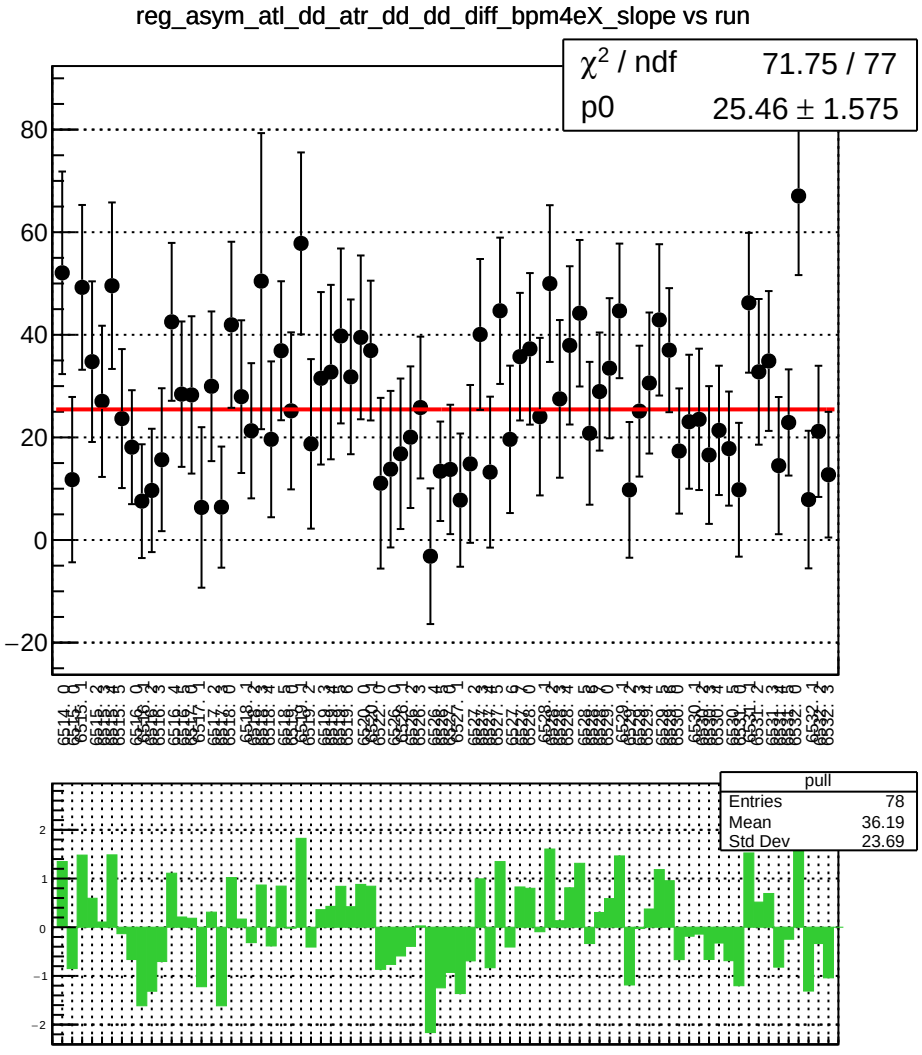

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 169.9 / 77
p0 133.1 ± 0.1903
pull
Entries 78
Mean −430.5
Std Dev 466.2

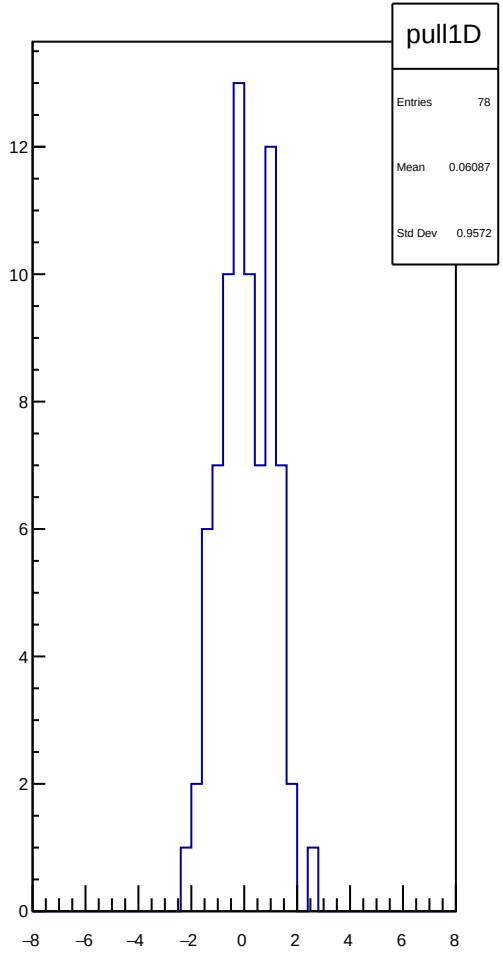

pull1D
Entries 78
Mean 0.05748
Std Dev 1.475


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 68.95 / 77
p0 38.15 ± 1.452
pull
Entries 78
Mean 32.75
Std Dev 24.61
pull1D
Entries 78
Mean −0.06305
Std Dev 0.9381

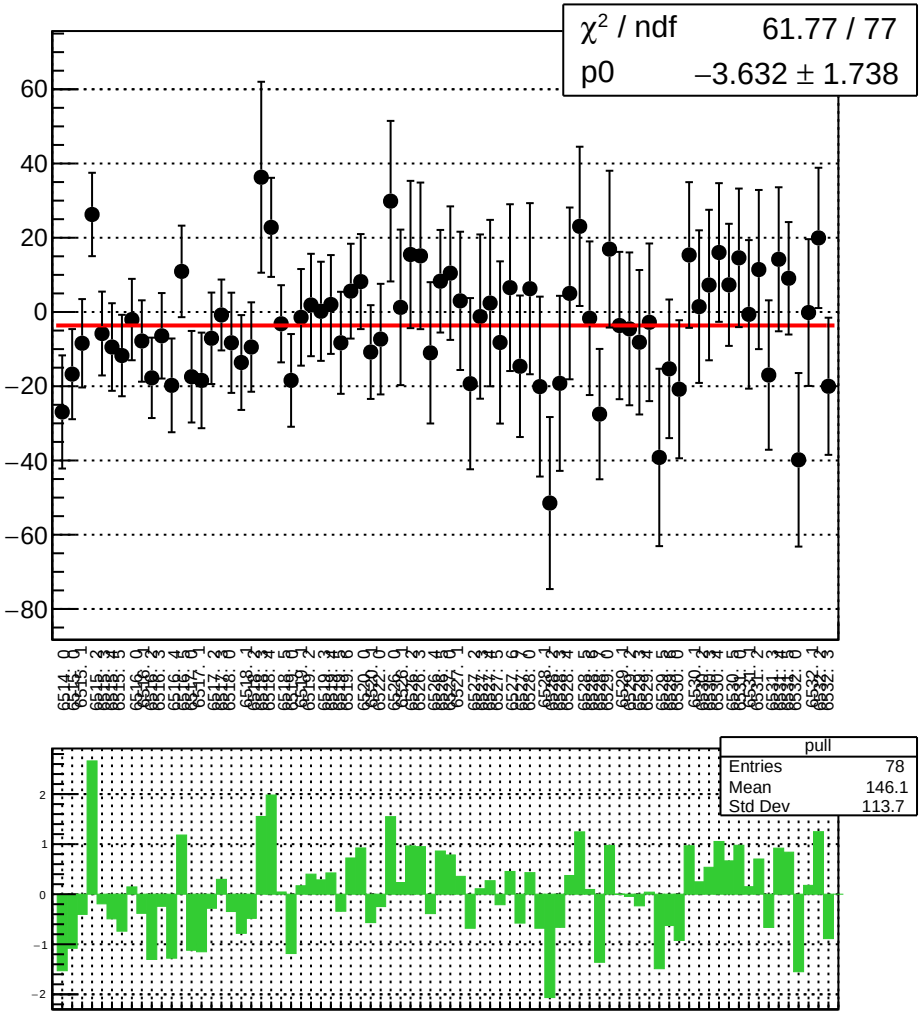

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.65 / 77
p0 −0.9763 ± 1.541
pull
Entries 78
Mean 98
Std Dev 64.07

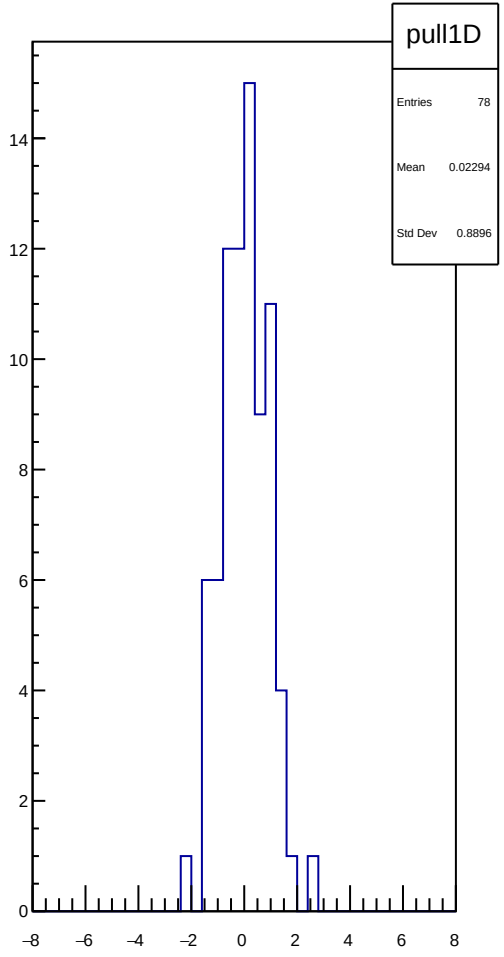

pull1D
Entries 78
Mean −0.04292
Std Dev 0.8952

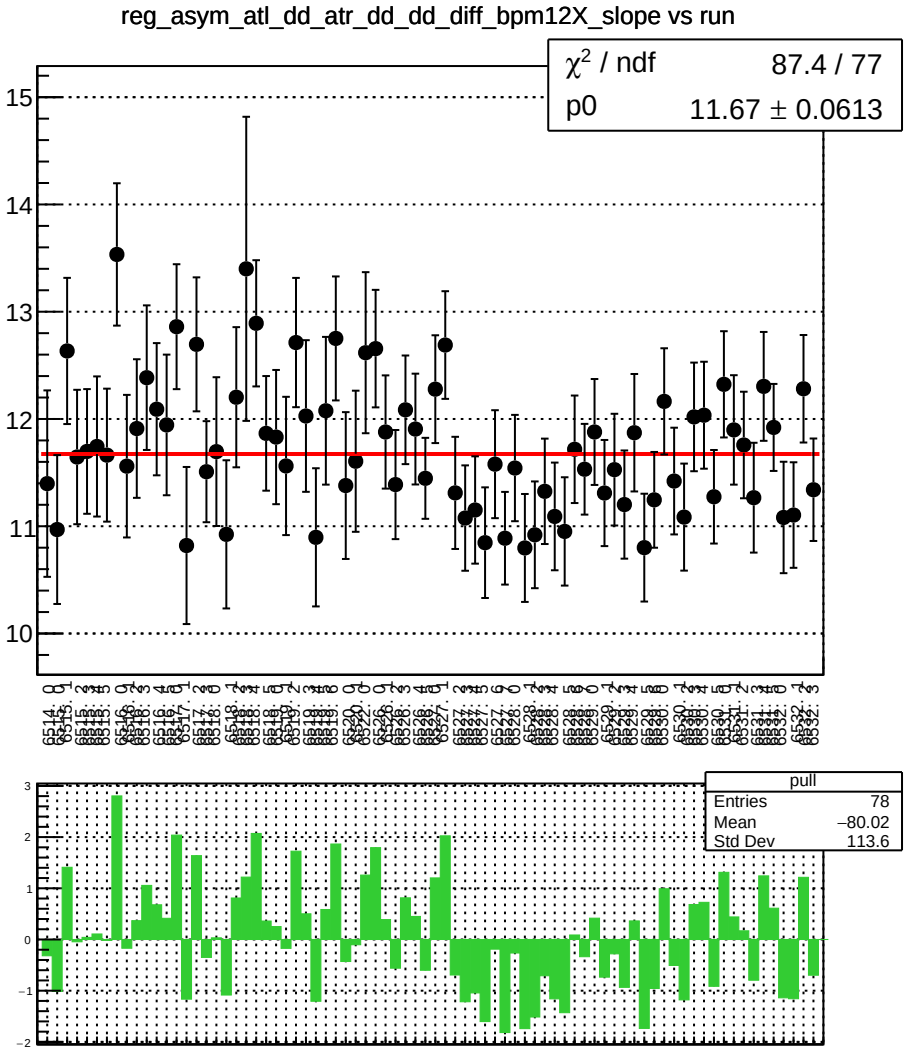

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.75 / 77
p0 25.46 ± 1.575
pull
Entries 78
Mean 36.19
Std Dev 23.69

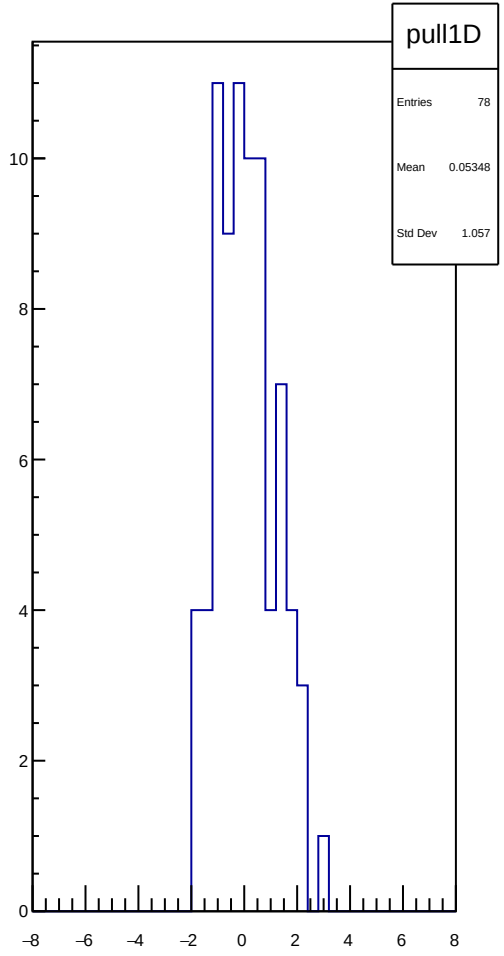

pull1D
Entries 78
Mean 0.06087
Std Dev 0.9572

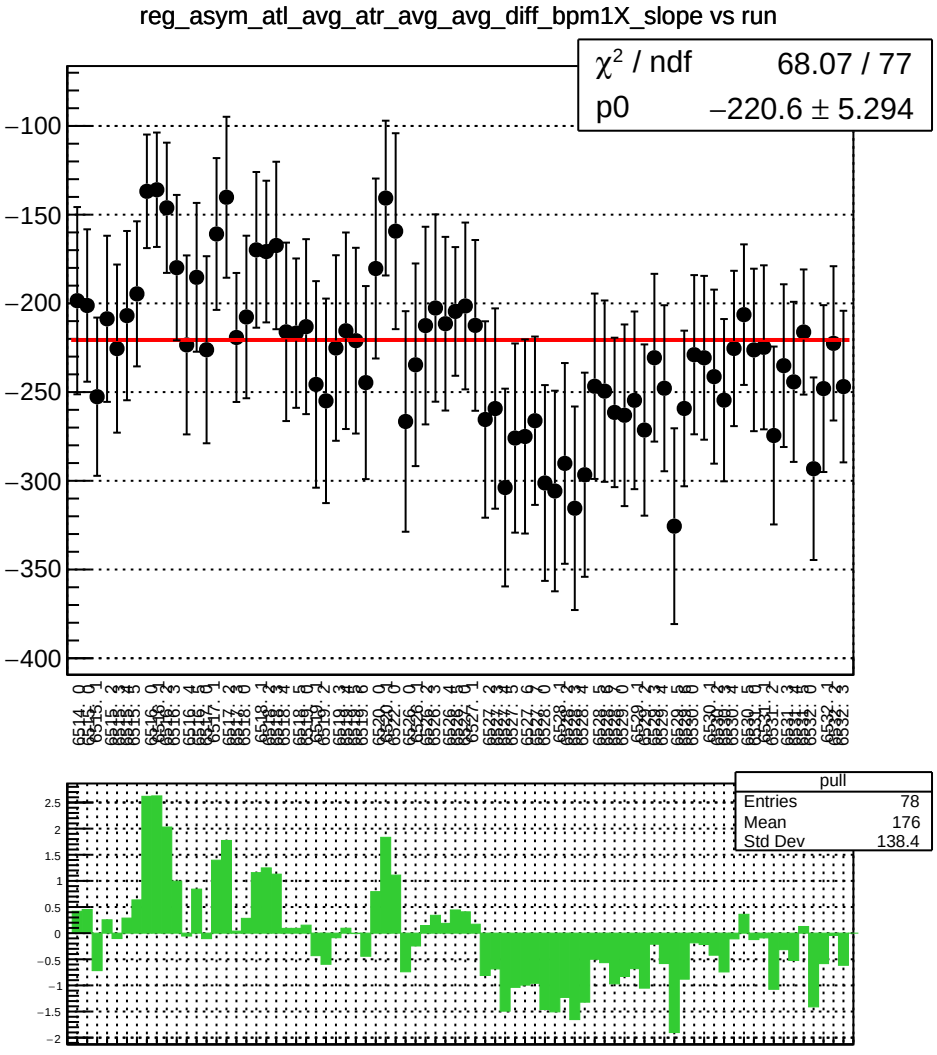
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run

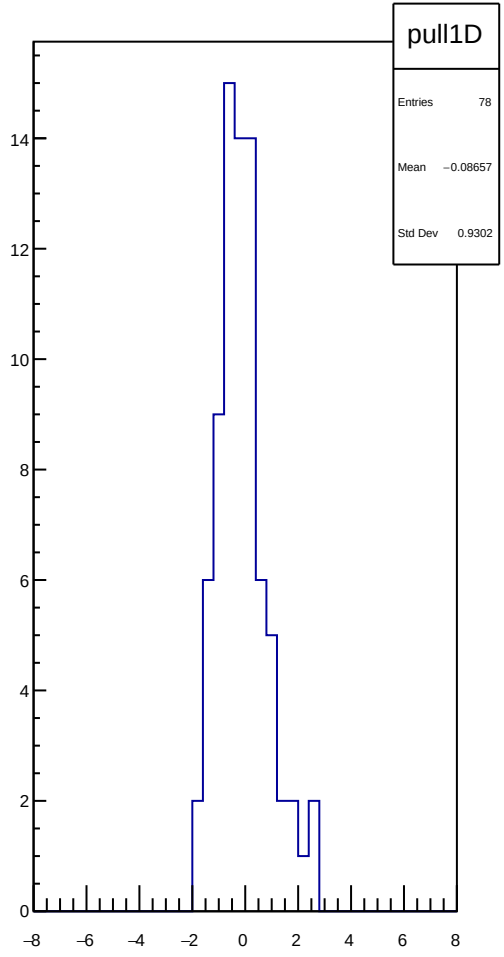


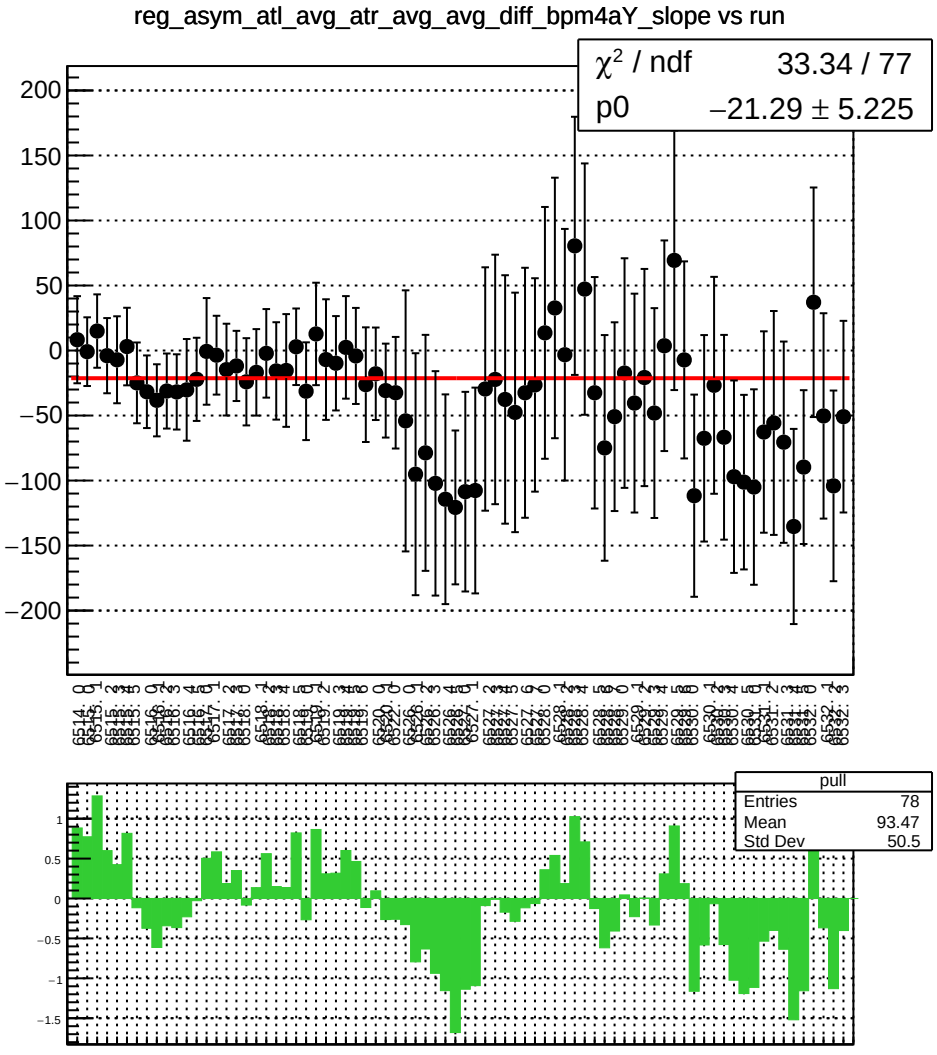


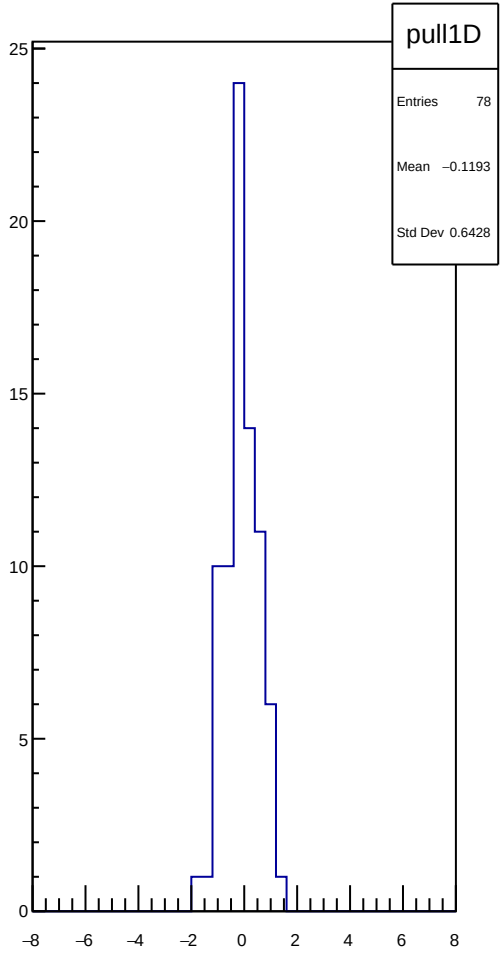

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 87.4 / 77
p0 11.67 ± 0.0613
pull
Entries 78
Mean −80.02
Std Dev 113.6

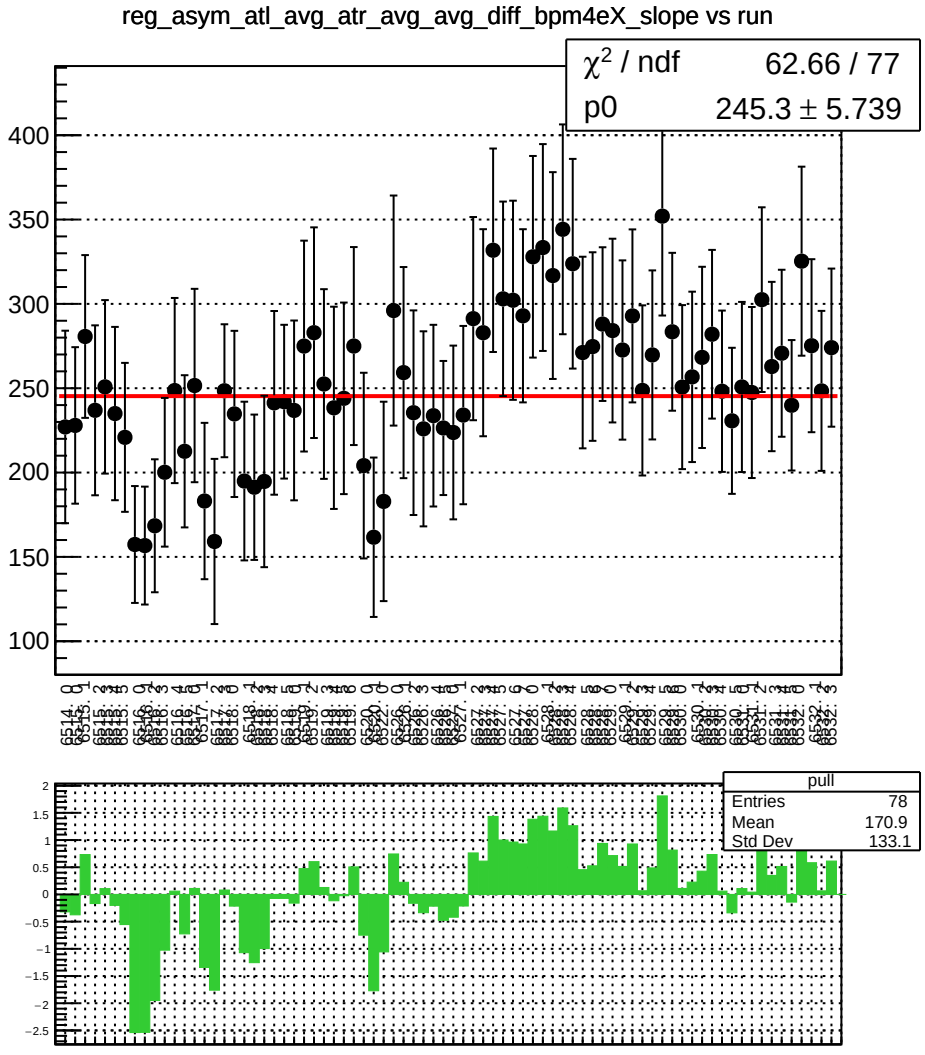

pull1D
Entries 78
Mean 0.05348
Std Dev 1.057

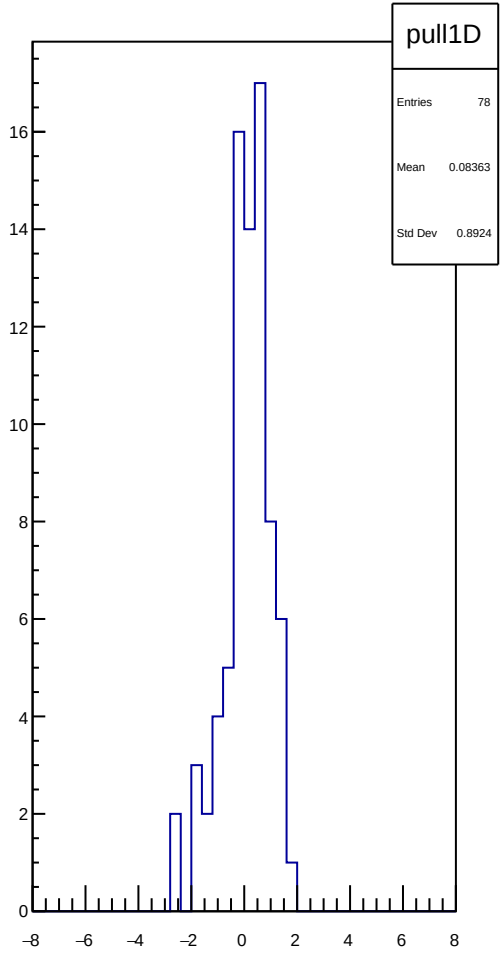

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 68.07 / 77
p0 −220.6 ± 5.294
pull
Entries 78
Mean 176
Std Dev 138.4

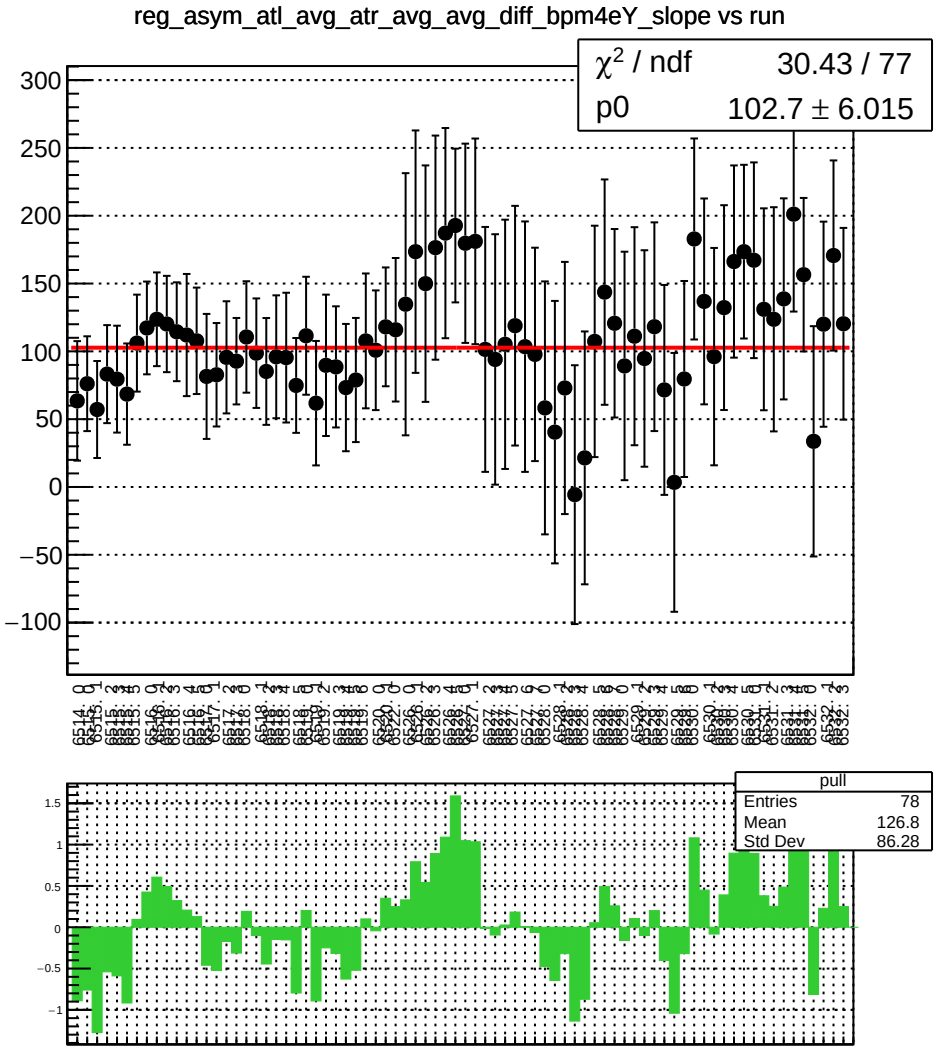

pull1D
Entries 78
Mean −0.08657
Std Dev 0.9302

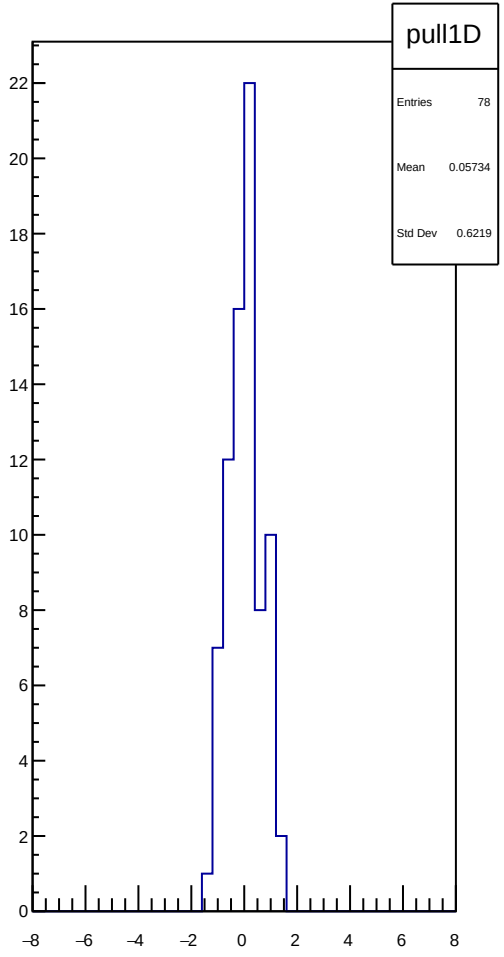

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.34 / 77
p0 −21.29 ± 5.225
pull
Entries 78
Mean 93.47
Std Dev 50.5

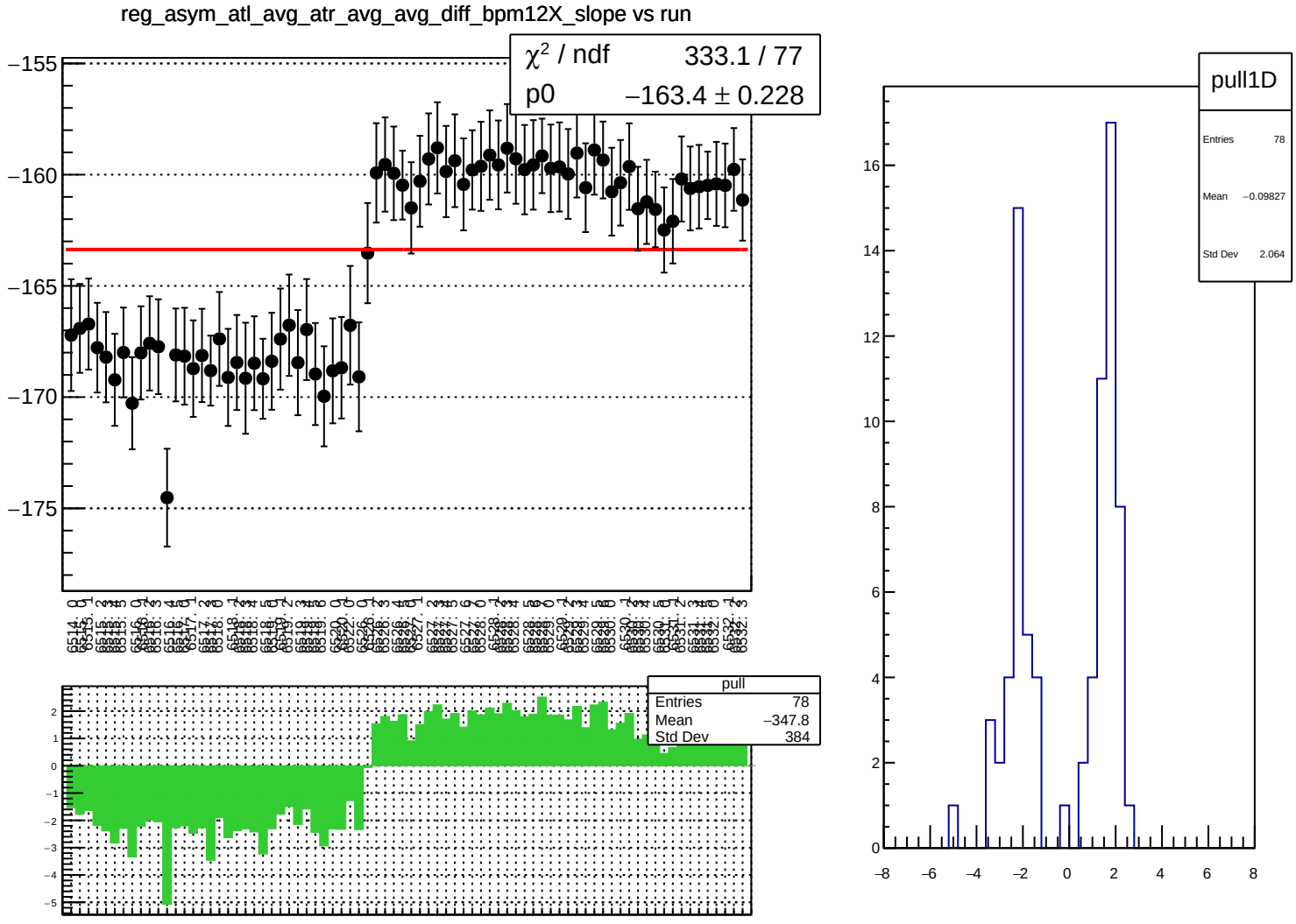

pull1D
Entries 78
Mean −0.1193
Std Dev 0.6428

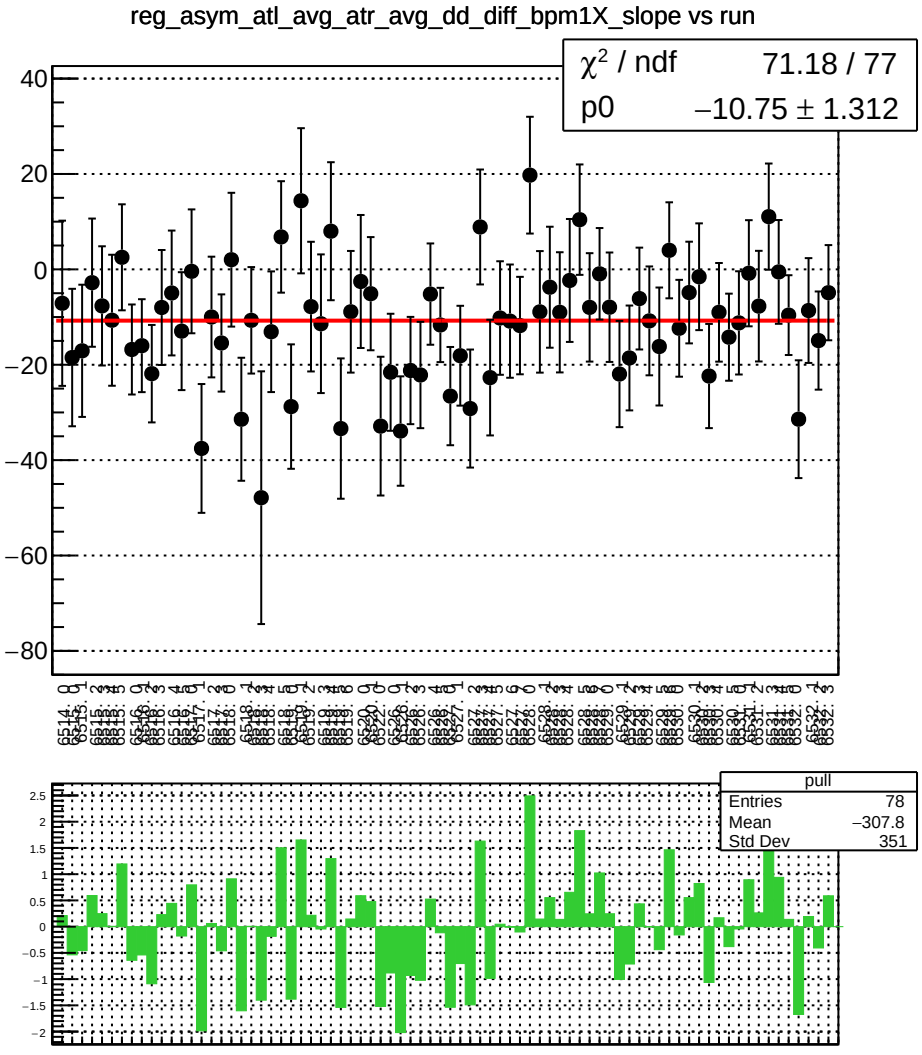

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 62.66 / 77
p0 245.3 ± 5.739
pull
Entries 78
Mean 170.9
Std Dev 133.1

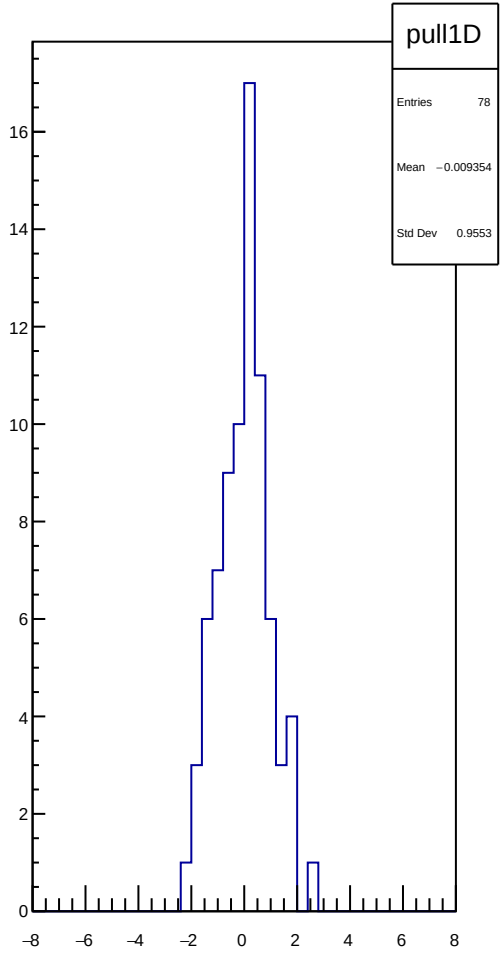

pull1D
Entries 78
Mean 0.08363
Std Dev 0.8924

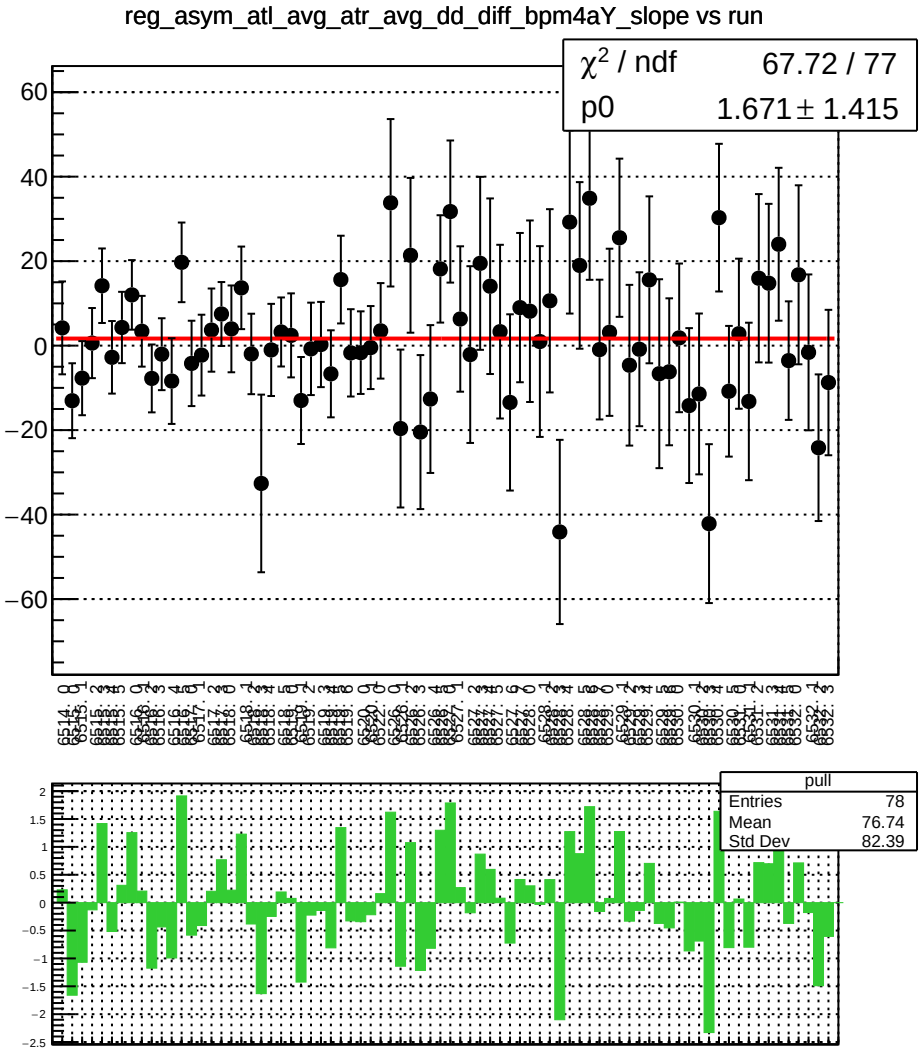

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.43 / 77
p0 102.7 ± 6.015
pull
Entries 78
Mean 126.8
Std Dev 86.28

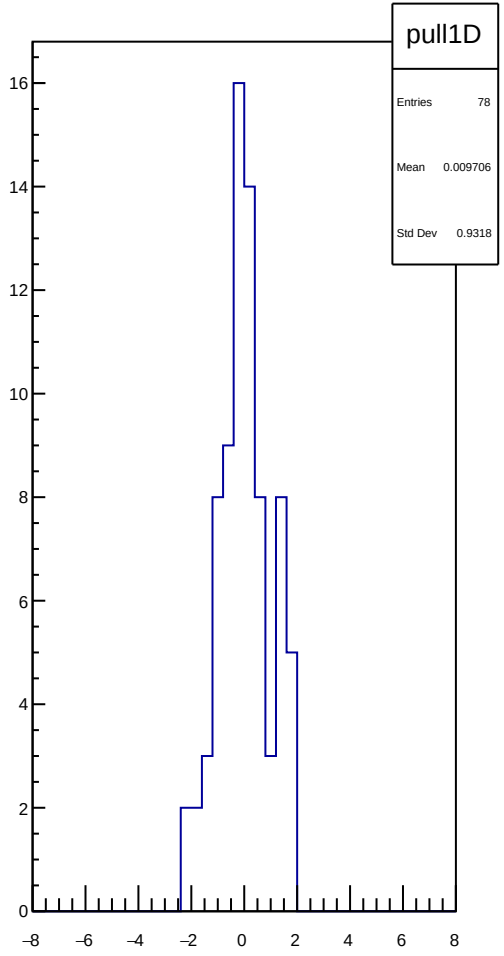

pull1D
Entries 78
Mean 0.05734
Std Dev 0.6219


reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 333.1 / 77
p0 −163.4 ± 0.228
pull
Entries 78
Mean −347.8
Std Dev 384
pull1D
Entries 78
Mean −0.09827
Std Dev 2.064

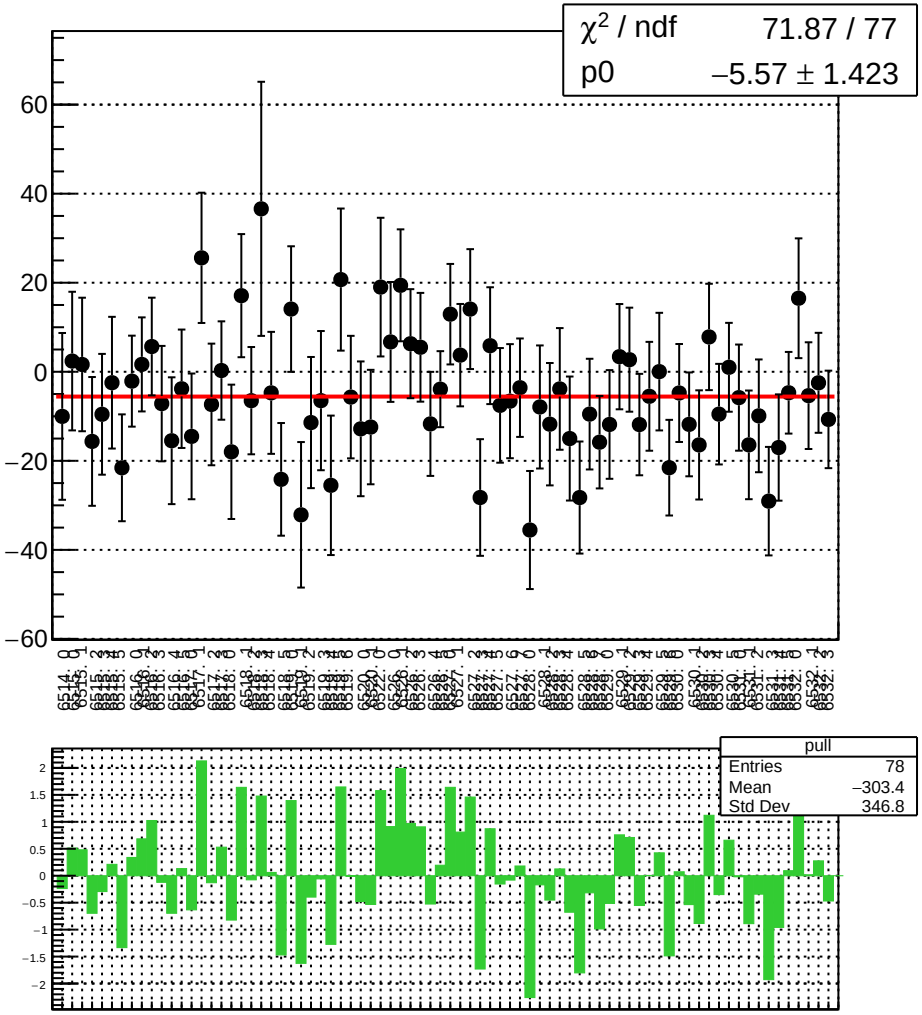

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 71.18 / 77
p0 −10.75 ± 1.312
pull
Entries 78
Mean −307.8
Std Dev 351

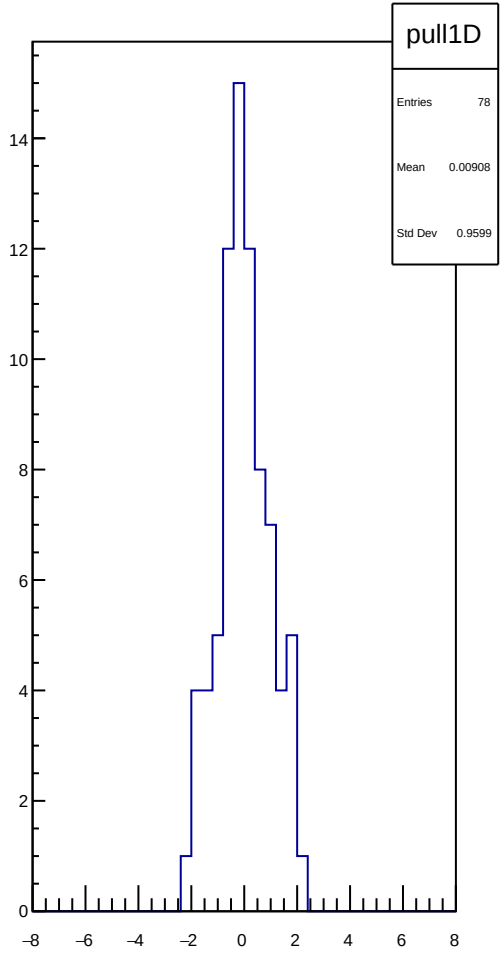

pull1D
Entries 78
Mean −0.009354
Std Dev 0.9553

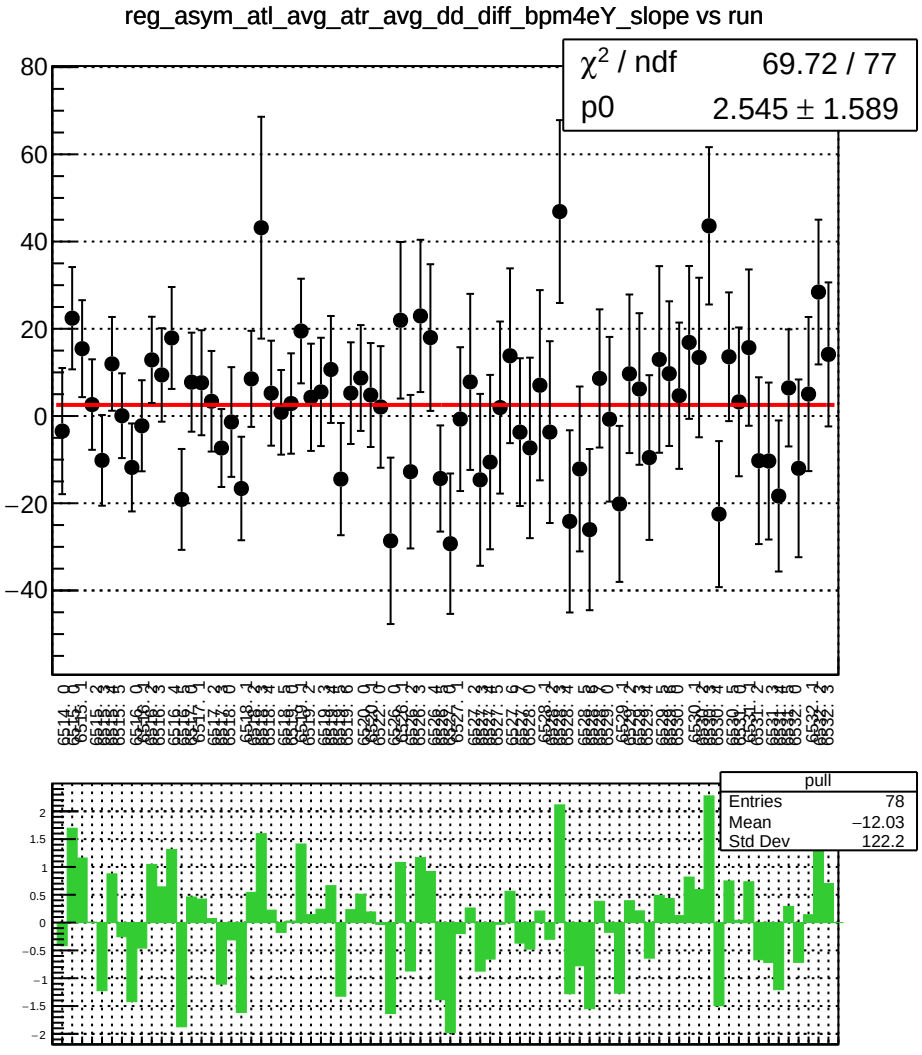

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.72 / 77
p0 1.671 ± 1.415
pull
Entries 78
Mean 76.74
Std Dev 82.39

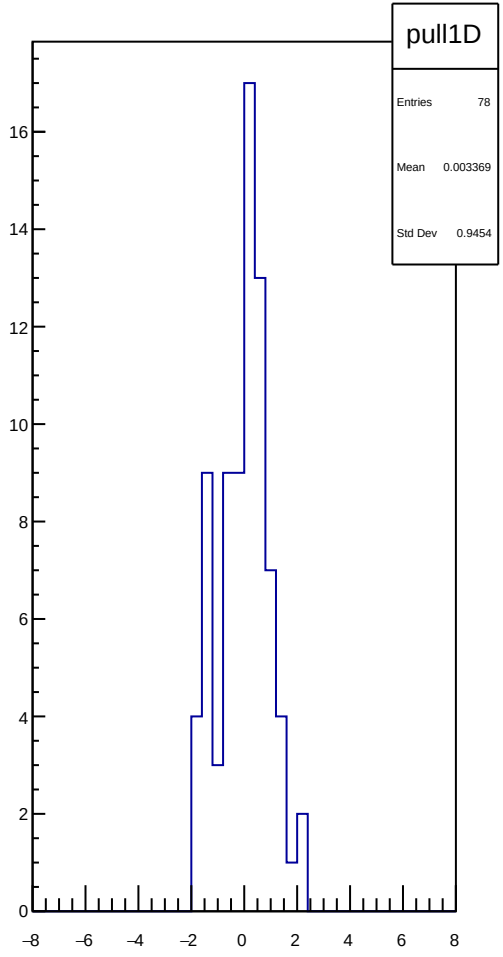

pull1D
Entries 78
Mean 0.009706
Std Dev 0.9318

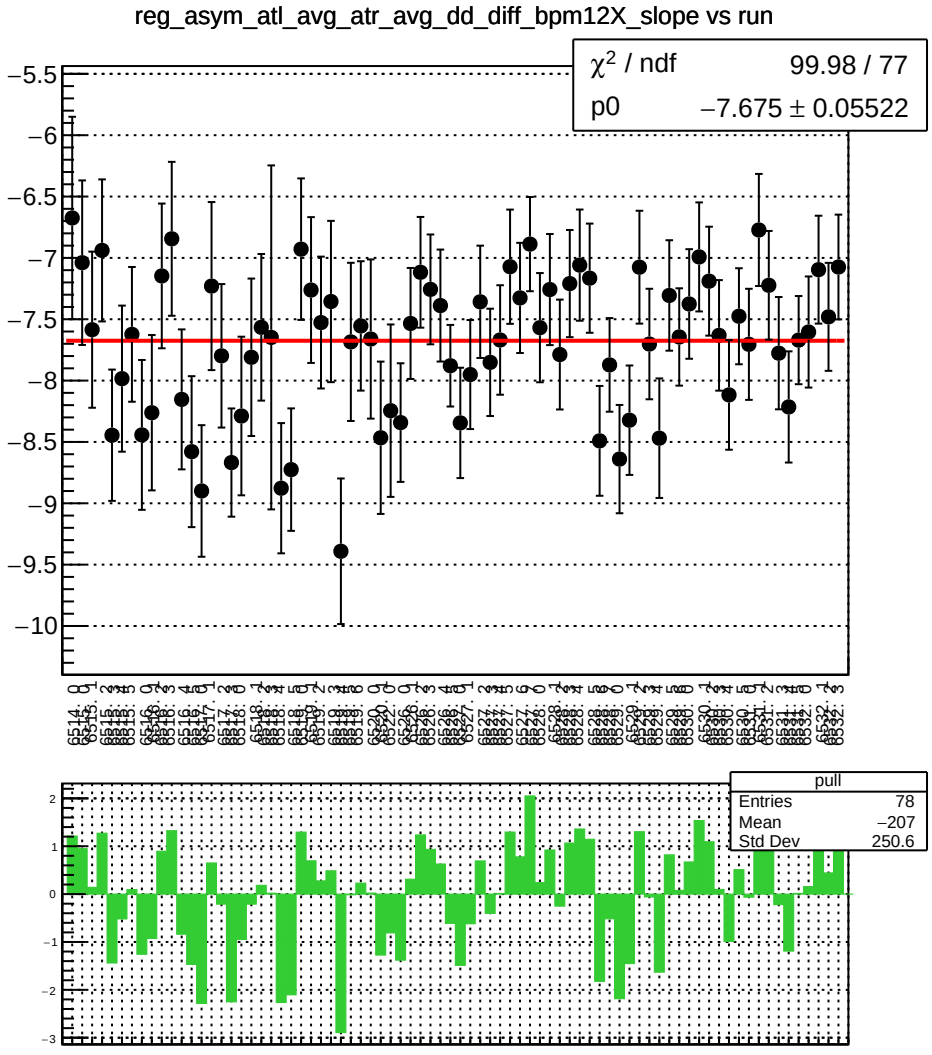
reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

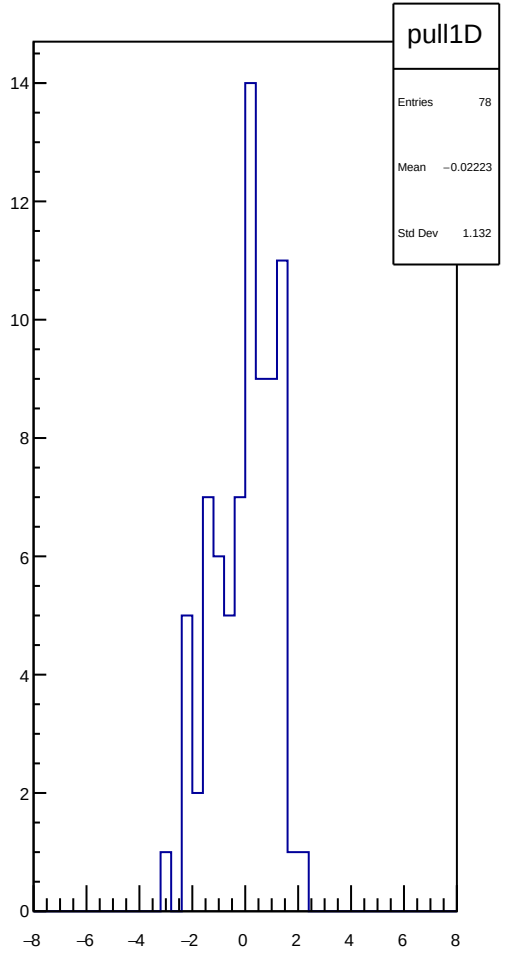


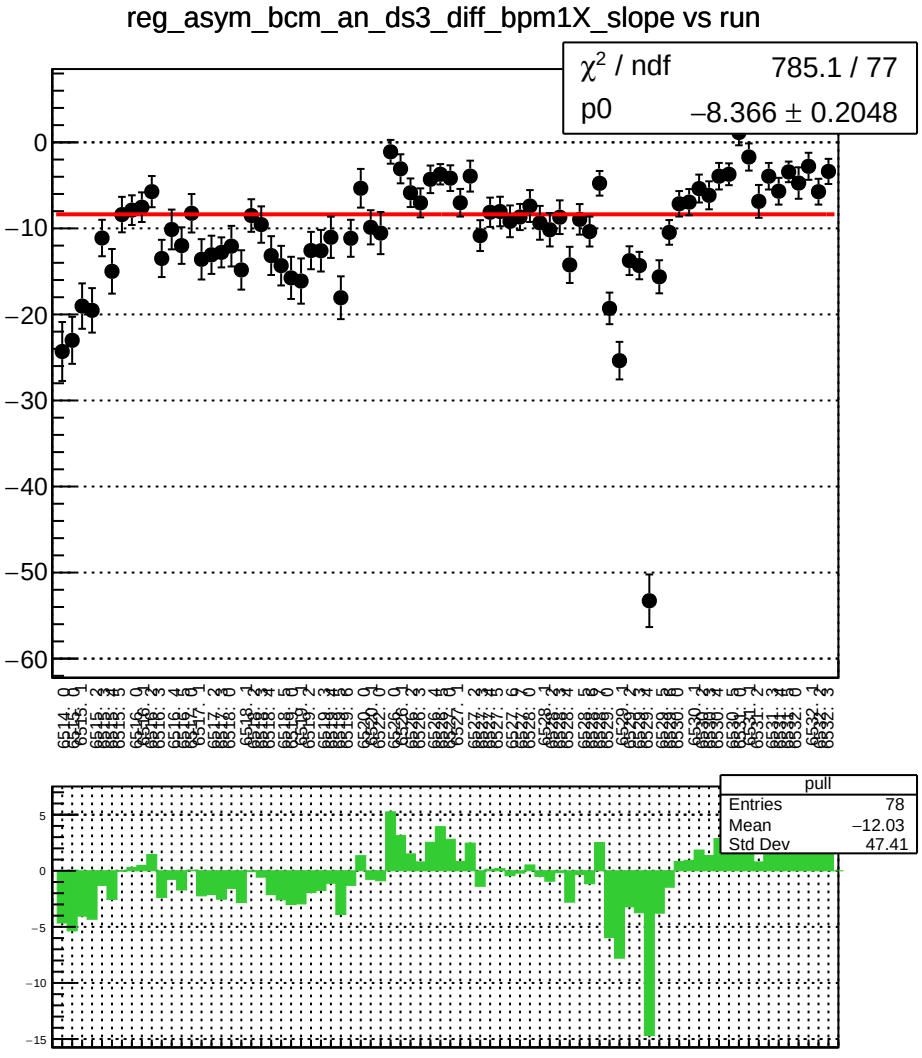


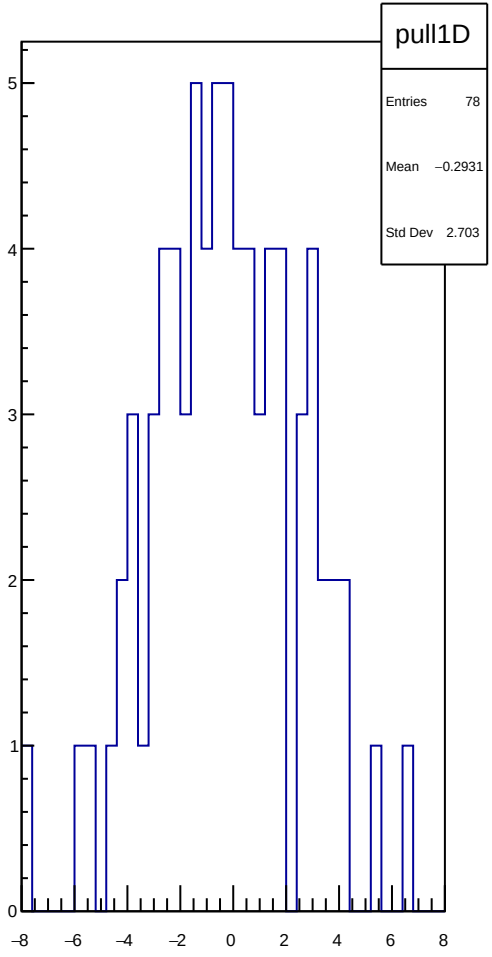

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 69.72 / 77
p0 2.545 ± 1.589
pull
Entries 78
Mean −12.03
Std Dev 122.2

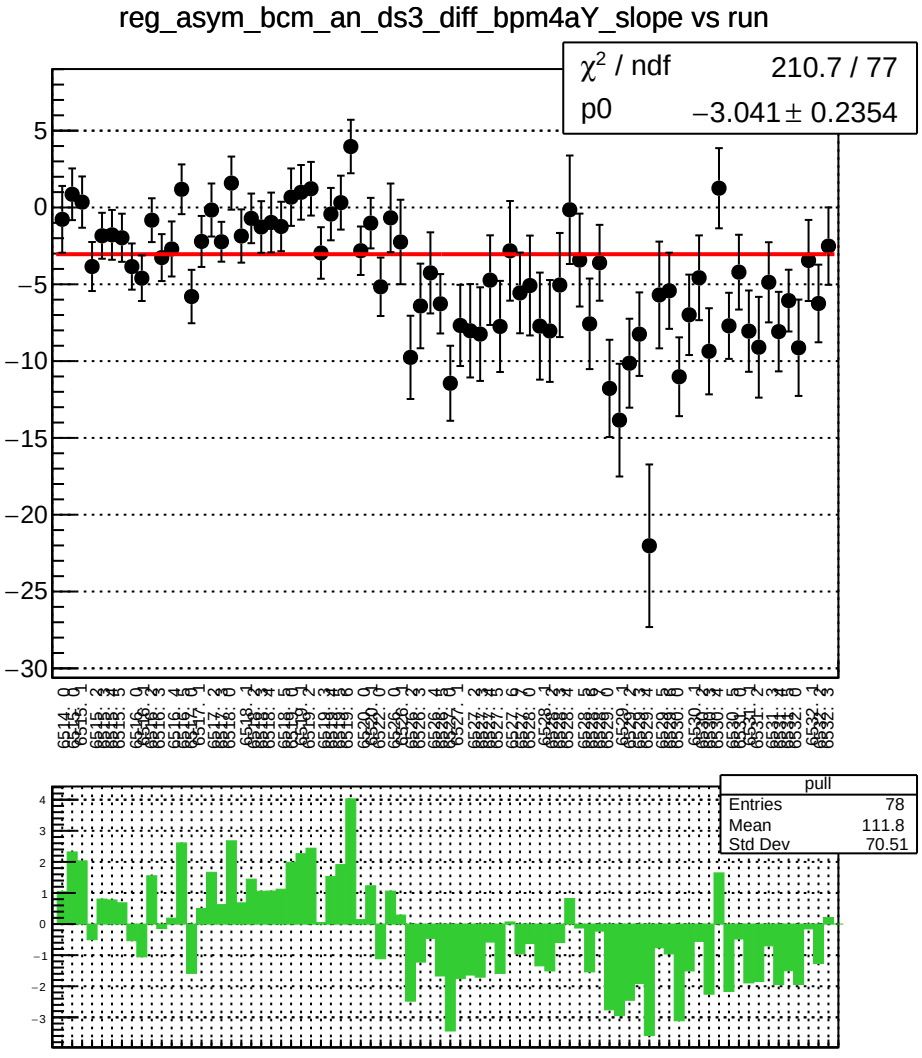

pull1D
Entries 78
Mean 0.003369
Std Dev 0.9454

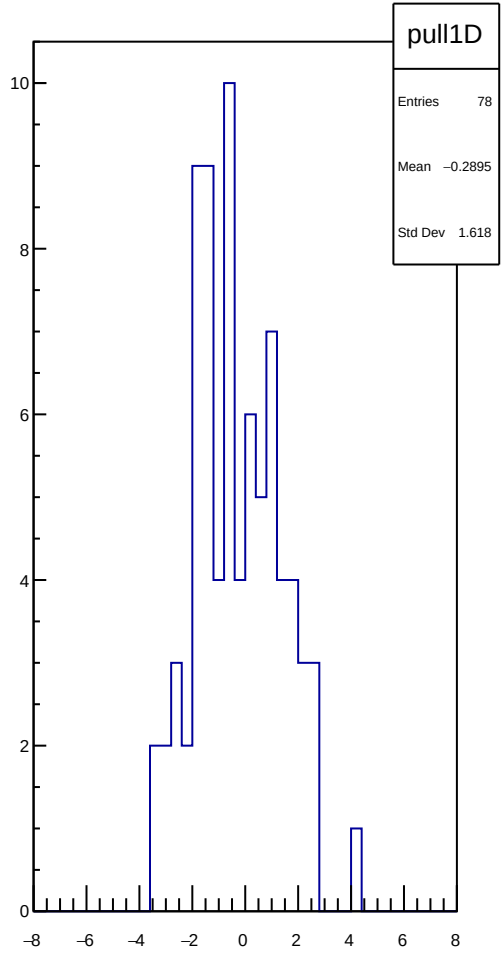

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ^2 / ndf 99.98 / 77
p0 −7.675 ± 0.05522
pull
Entries 78
Mean −207
Std Dev 250.6

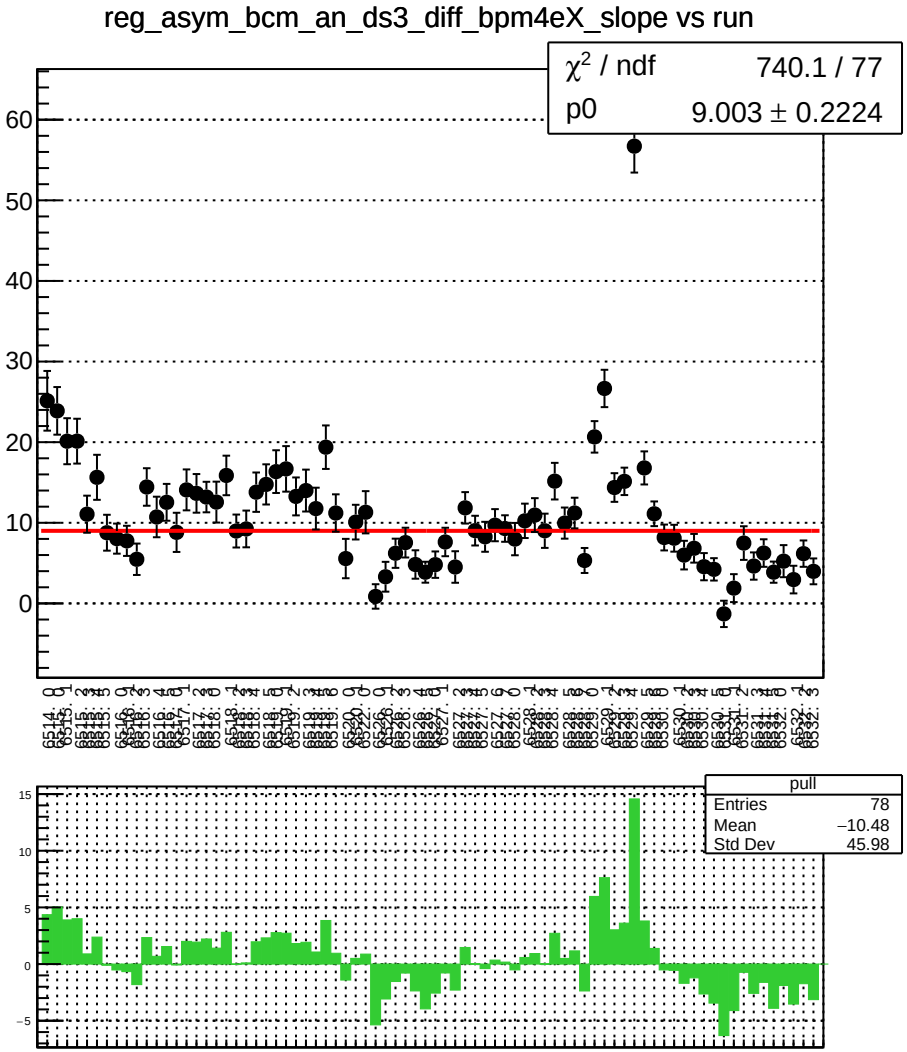

pull1D
Entries 78
Mean −0.02223
Std Dev 1.132

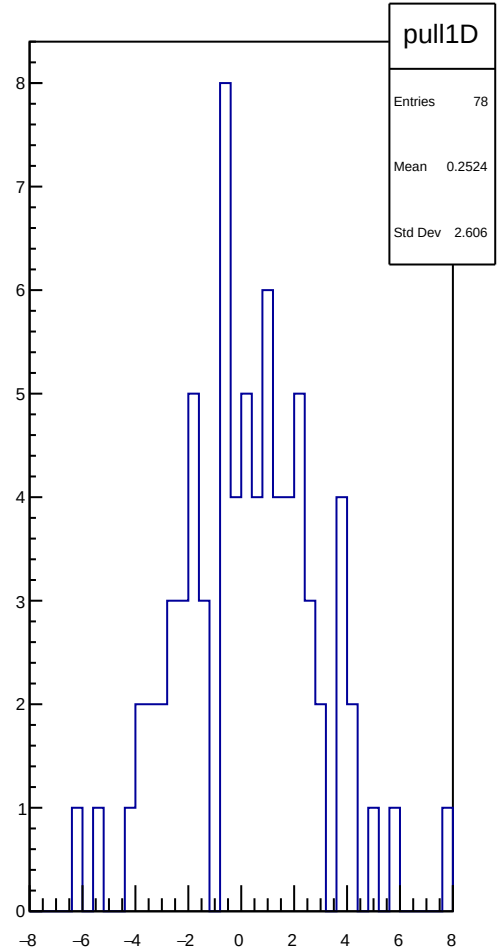

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 785.1 / 77
p0 −8.366 ± 0.2048
pull
Entries 78
Mean −12.03
Std Dev 47.41

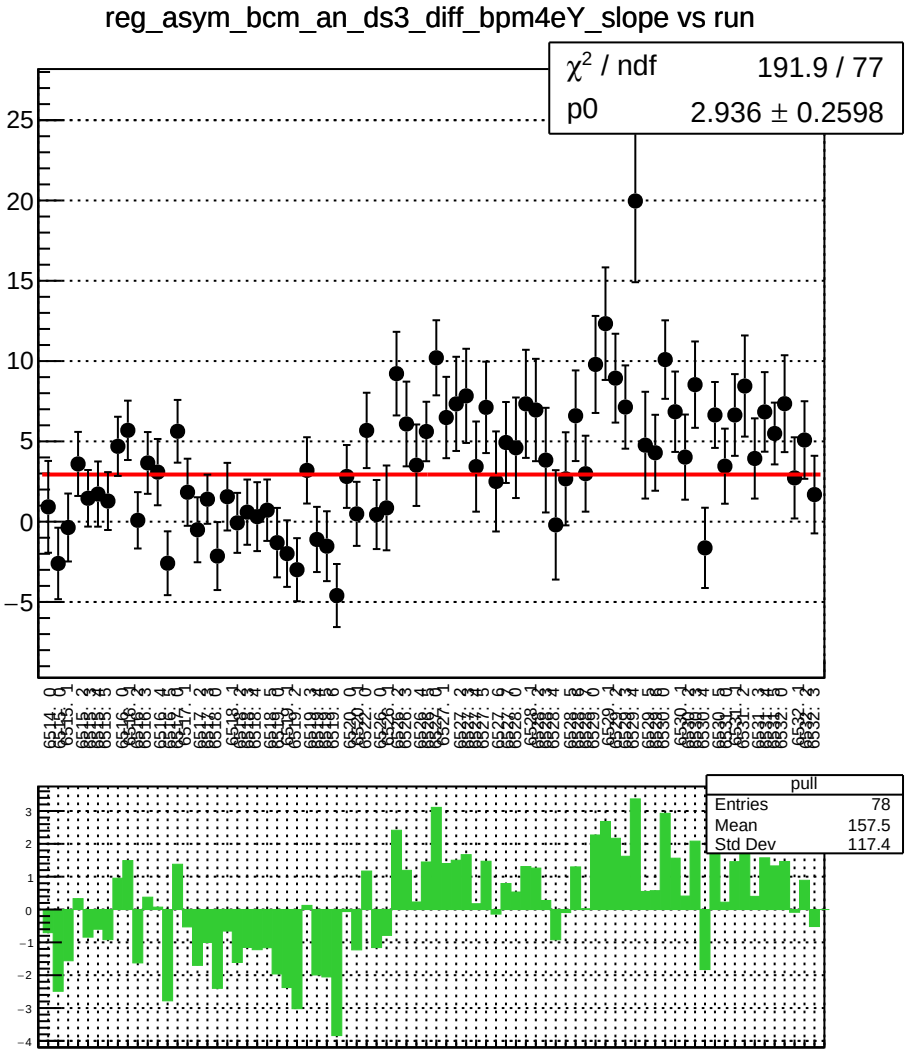

pull1D
Entries 78
Mean −0.2931
Std Dev 2.703

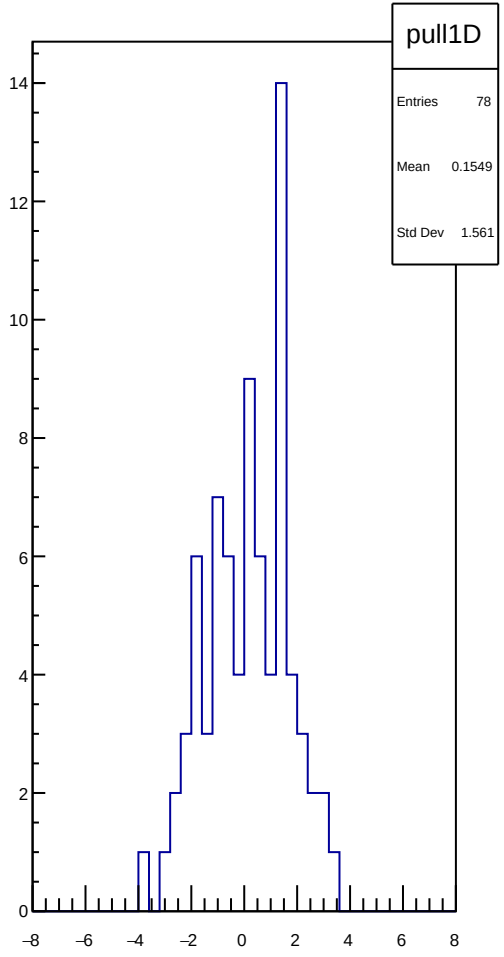

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 210.7 / 77
p0 −3.041 ± 0.2354
pull
Entries 78
Mean 111.8
Std Dev 70.51

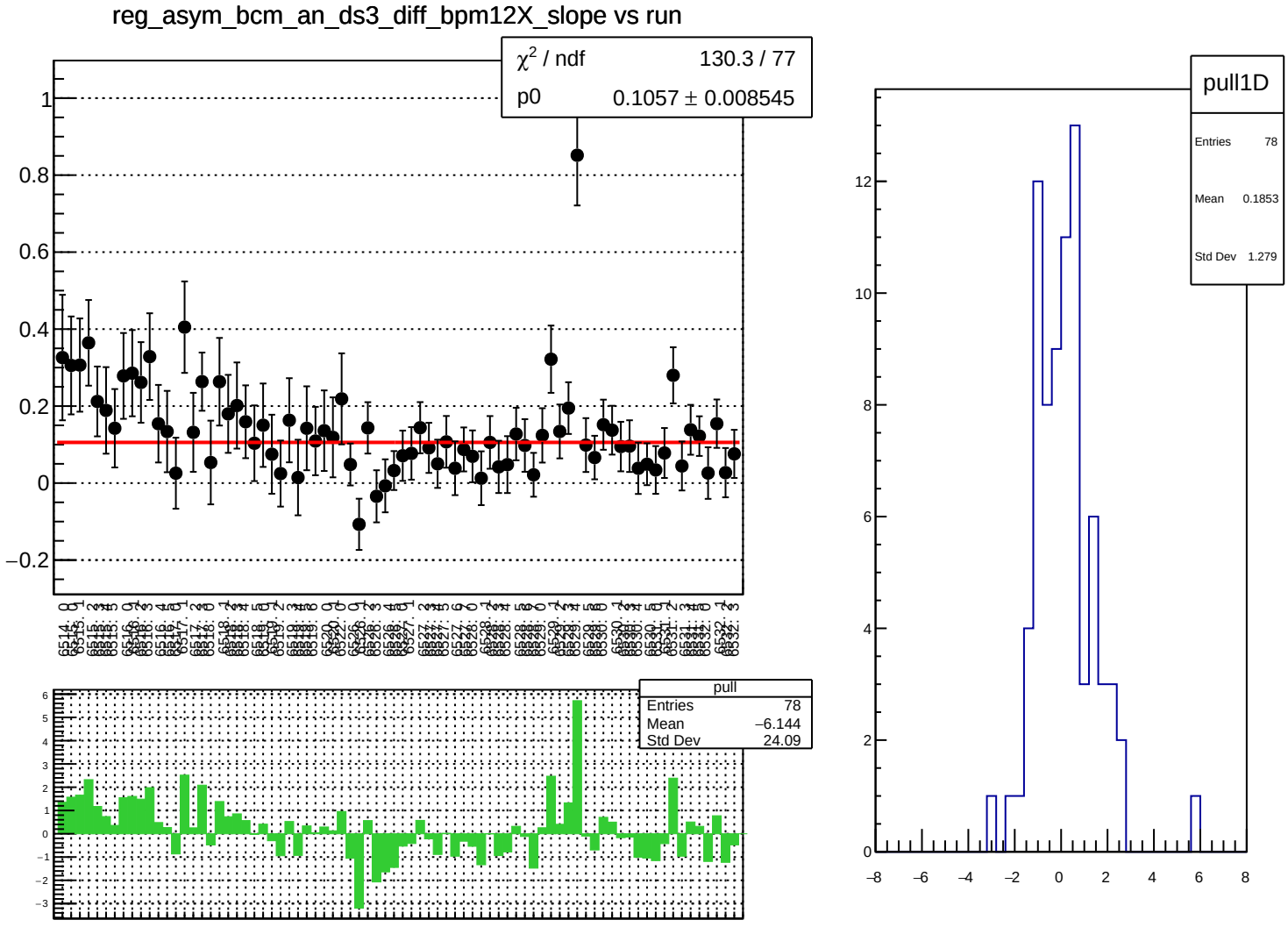

pull1D
Entries 78
Mean −0.2895
Std Dev 1.618

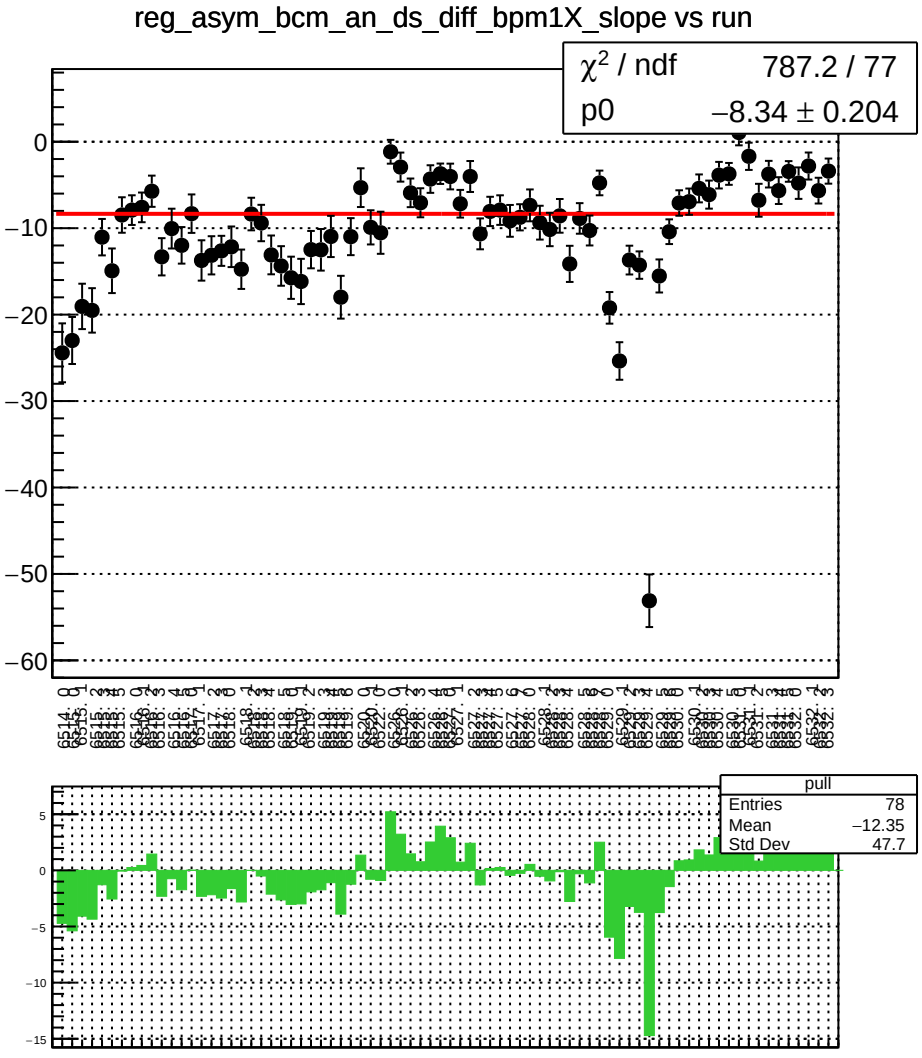

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 740.1 / 77
p0 9.003 ± 0.2224
pull
Entries 78
Mean −10.48
Std Dev 45.98

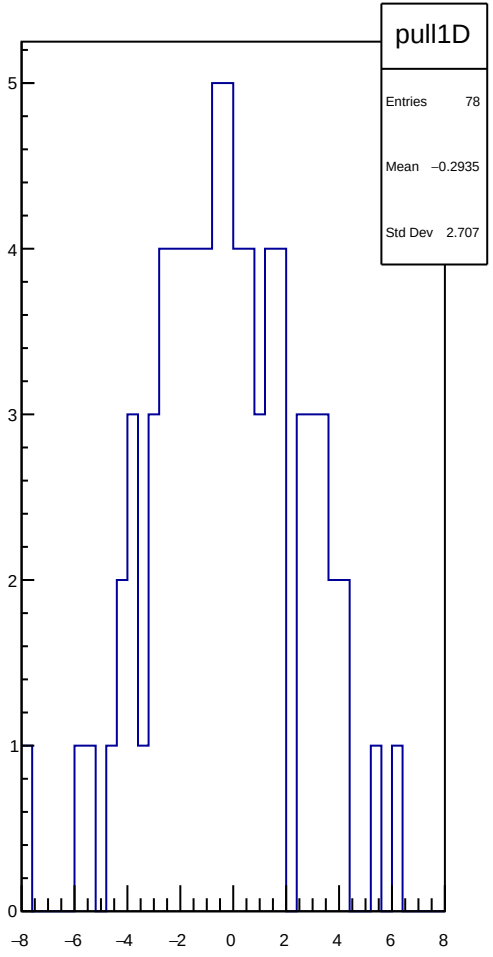

pull1D
Entries 78
Mean 0.2524
Std Dev 2.606

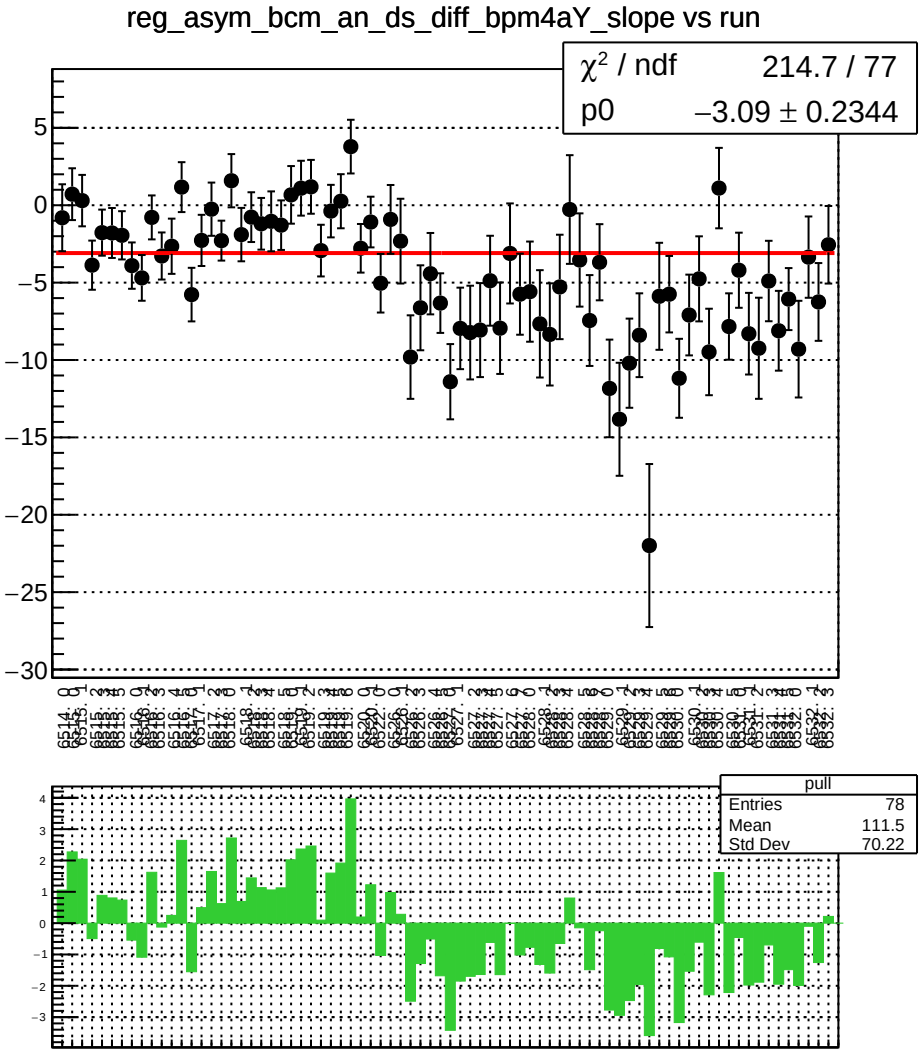

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 191.9 / 77
p0 2.936 ± 0.2598
pull
Entries 78
Mean 157.5
Std Dev 117.4

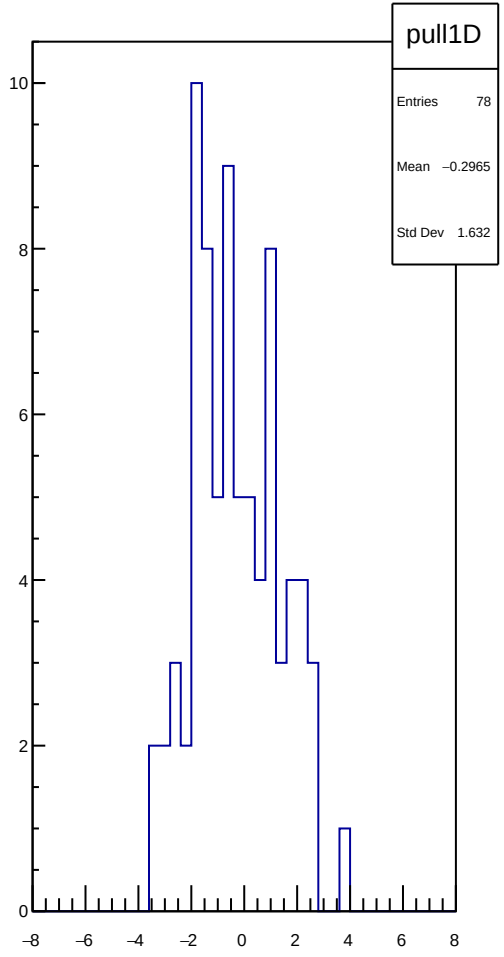

pull1D
Entries 78
Mean 0.1549
Std Dev 1.561

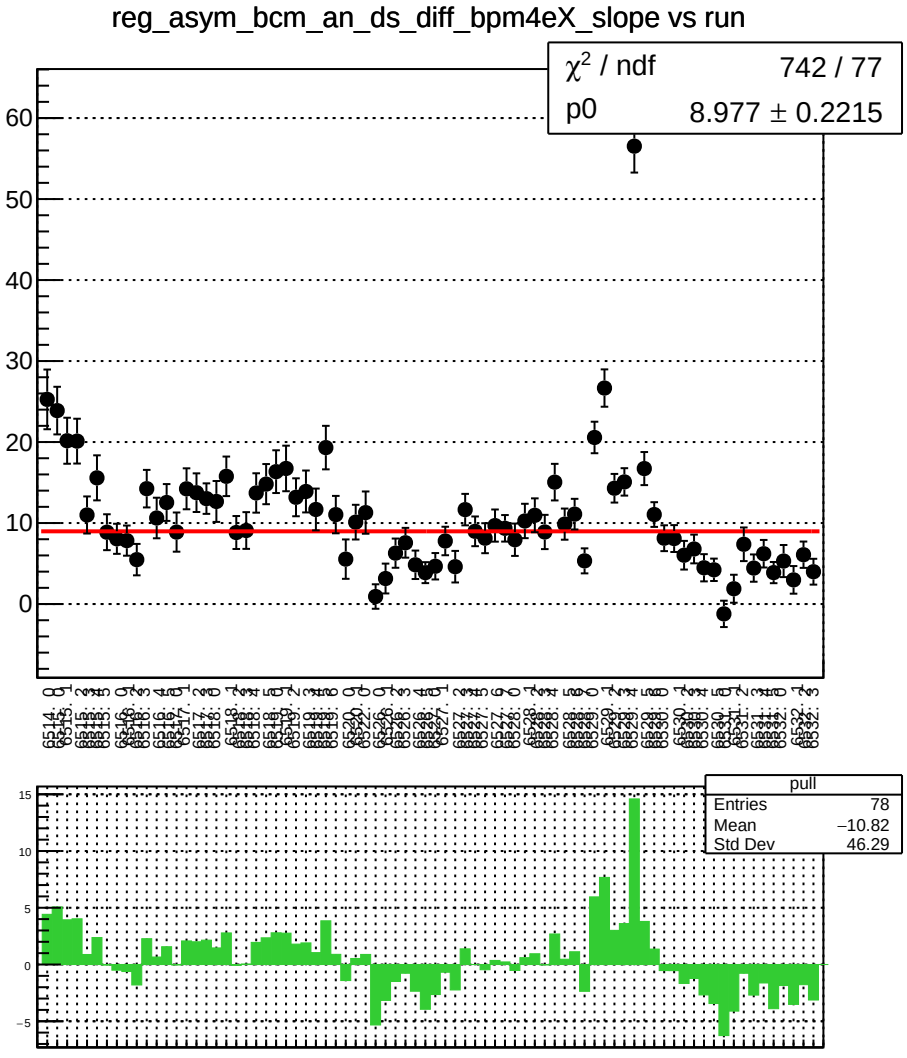

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 130.3 / 77
p0 0.1057 ± 0.008545
pull
Entries 78
Mean −6.144
Std Dev 24.09
pull1D
Entries 78
Mean 0.1853
Std Dev 1.279

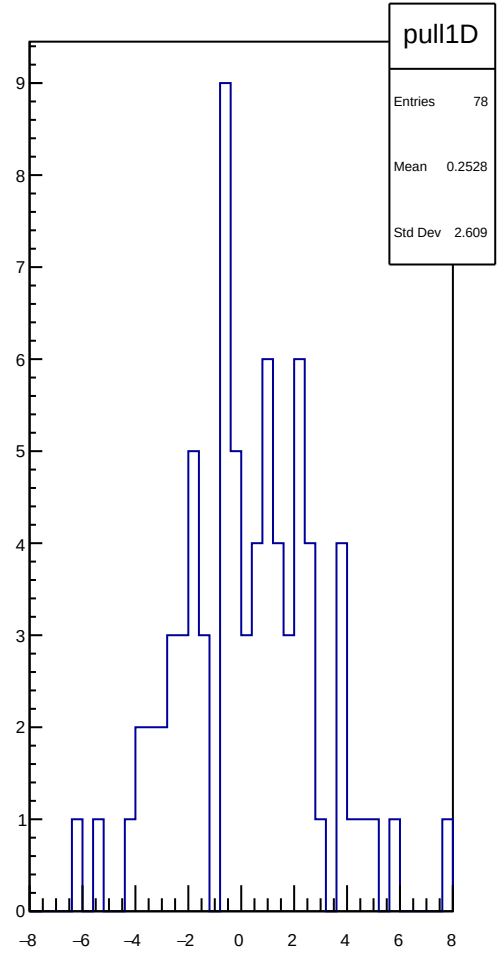

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 787.2 / 77
p0 −8.34 ± 0.204
pull
Entries 78
Mean −12.35
Std Dev 47.7

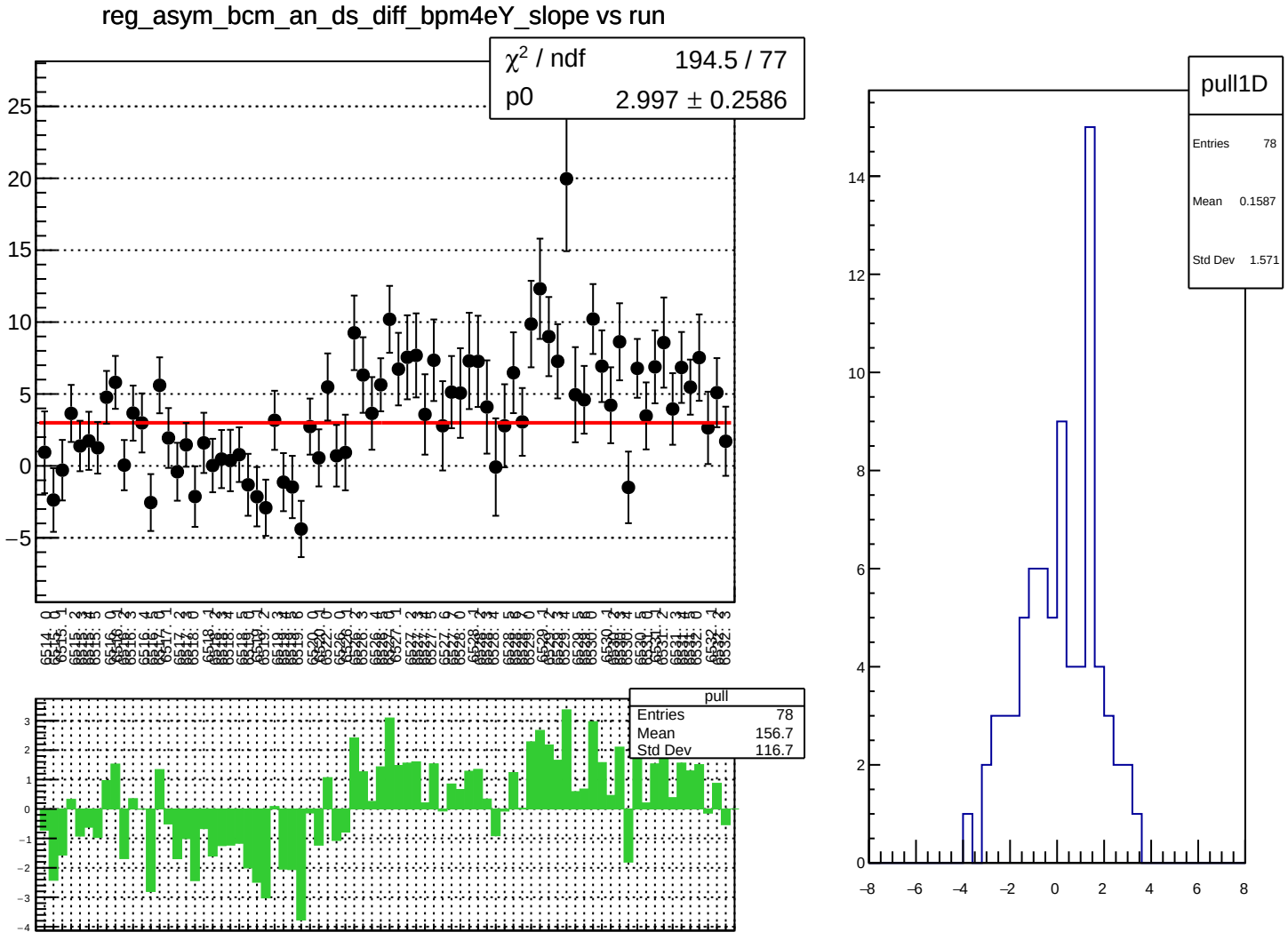

pull1D
Entries 78
Mean −0.2935
Std Dev 2.707

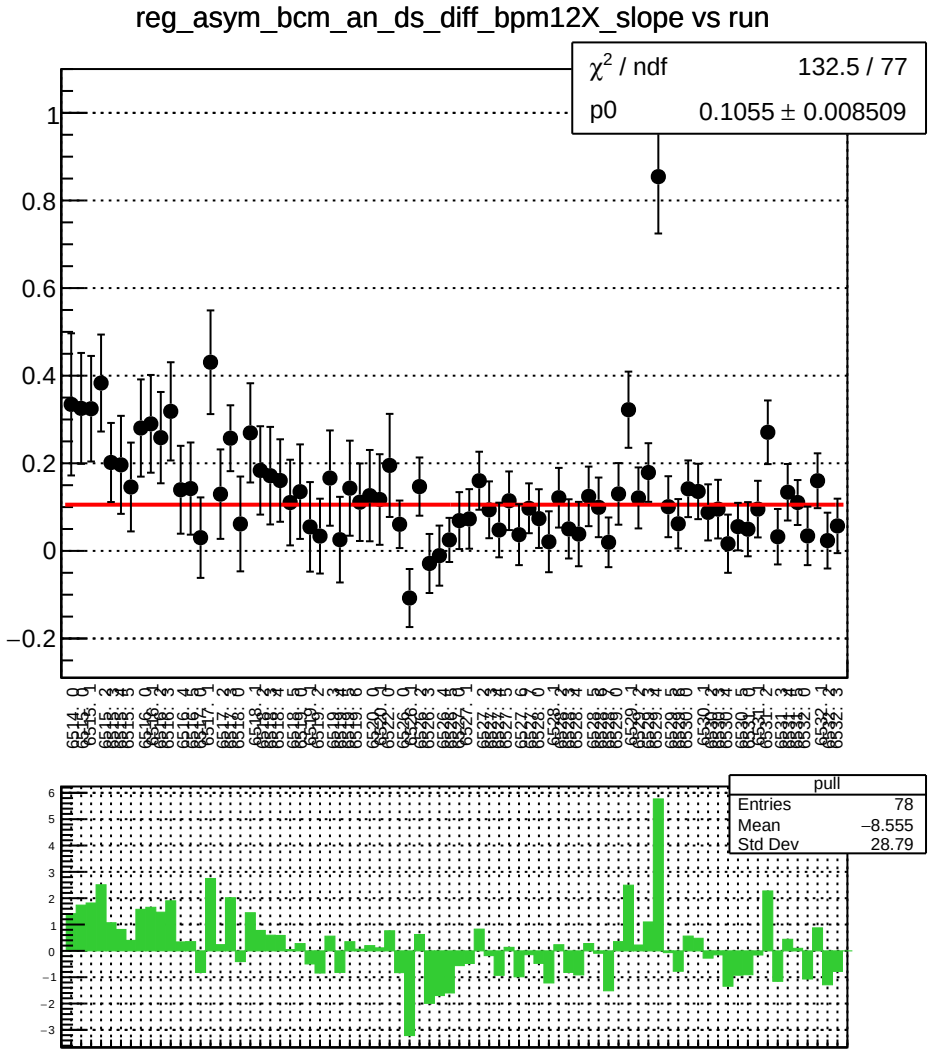

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 214.7 / 77
p0 −3.09 ± 0.2344
pull
Entries 78
Mean 111.5
Std Dev 70.22

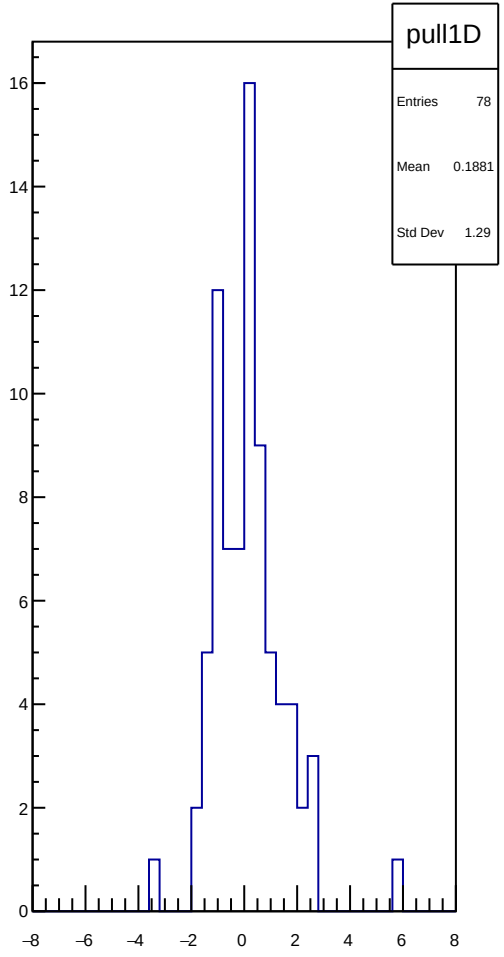

pull1D
Entries 78
Mean −0.2965
Std Dev 1.632

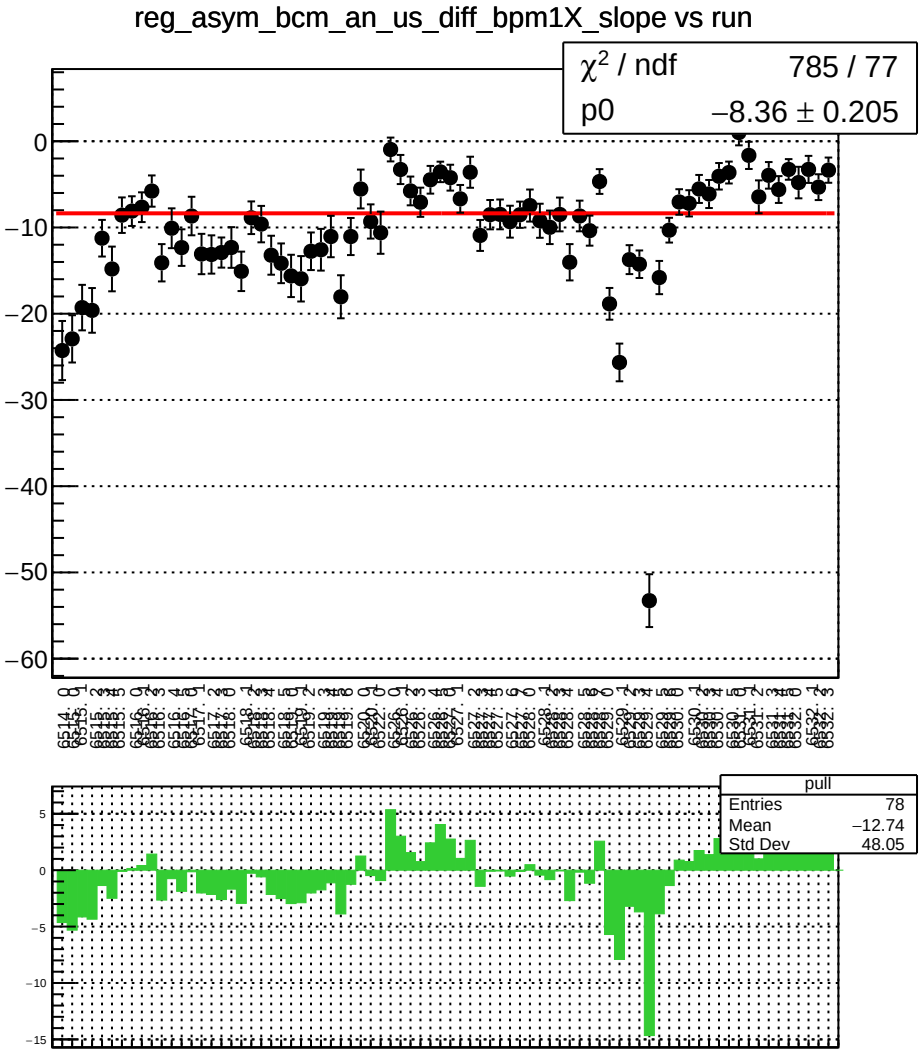

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 742 / 77
p0 8.977 ± 0.2215
pull
Entries 78
Mean −10.82
Std Dev 46.29

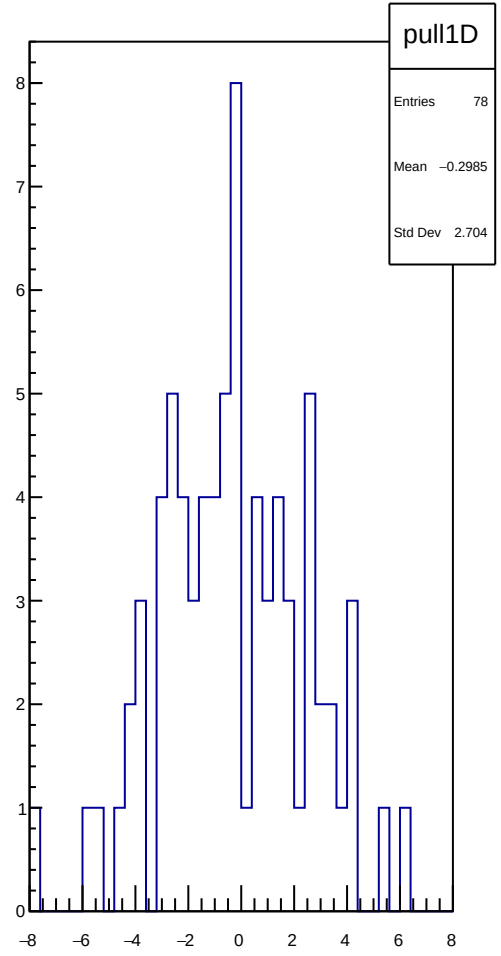

pull1D
Entries 78
Mean 0.2528
Std Dev 2.609

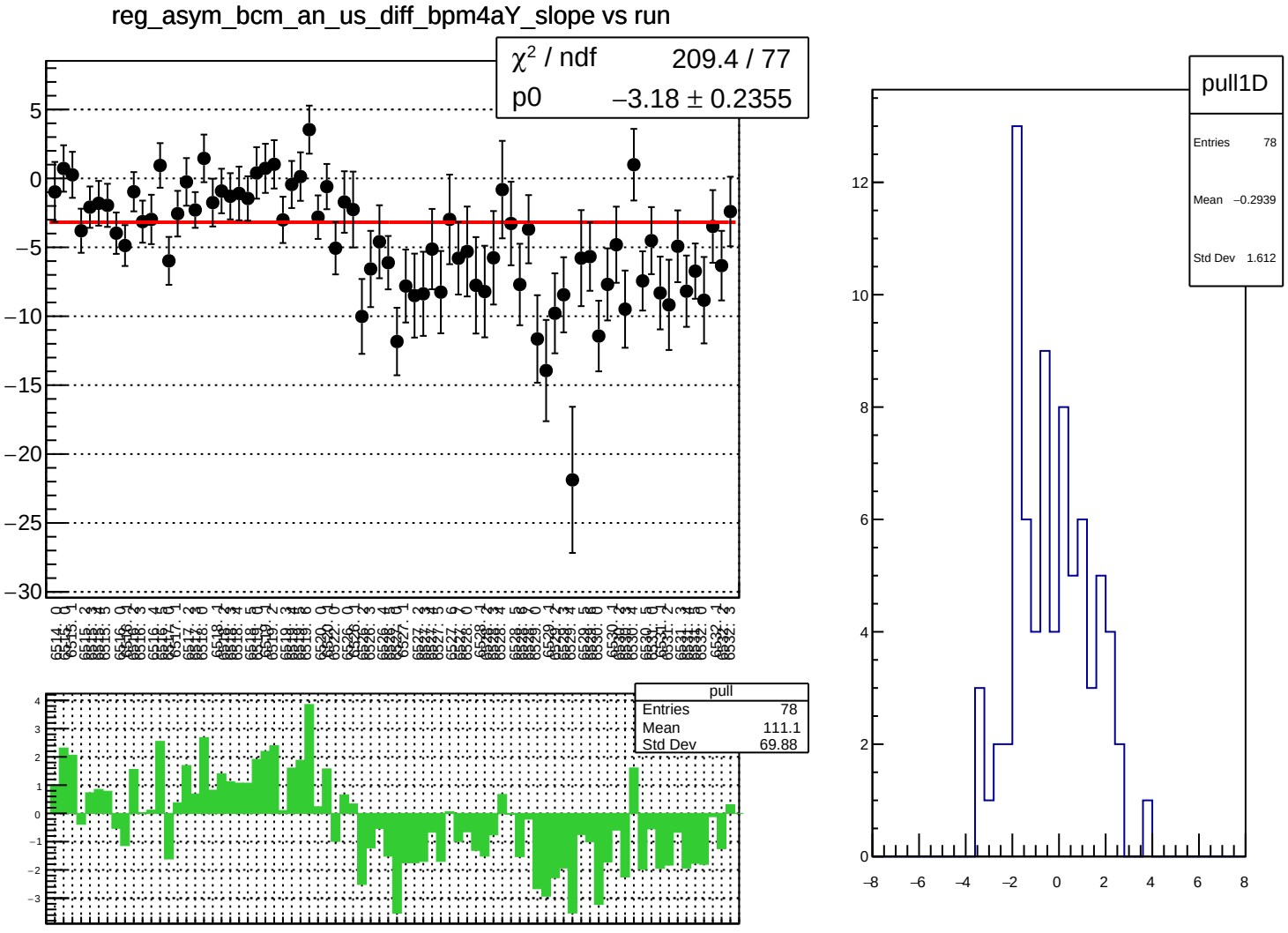

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 194.5 / 77
p0 2.997 ± 0.2586
pull
Entries 78
Mean 156.7
Std Dev 116.7
pull1D
Entries 78
Mean 0.1587
Std Dev 1.571

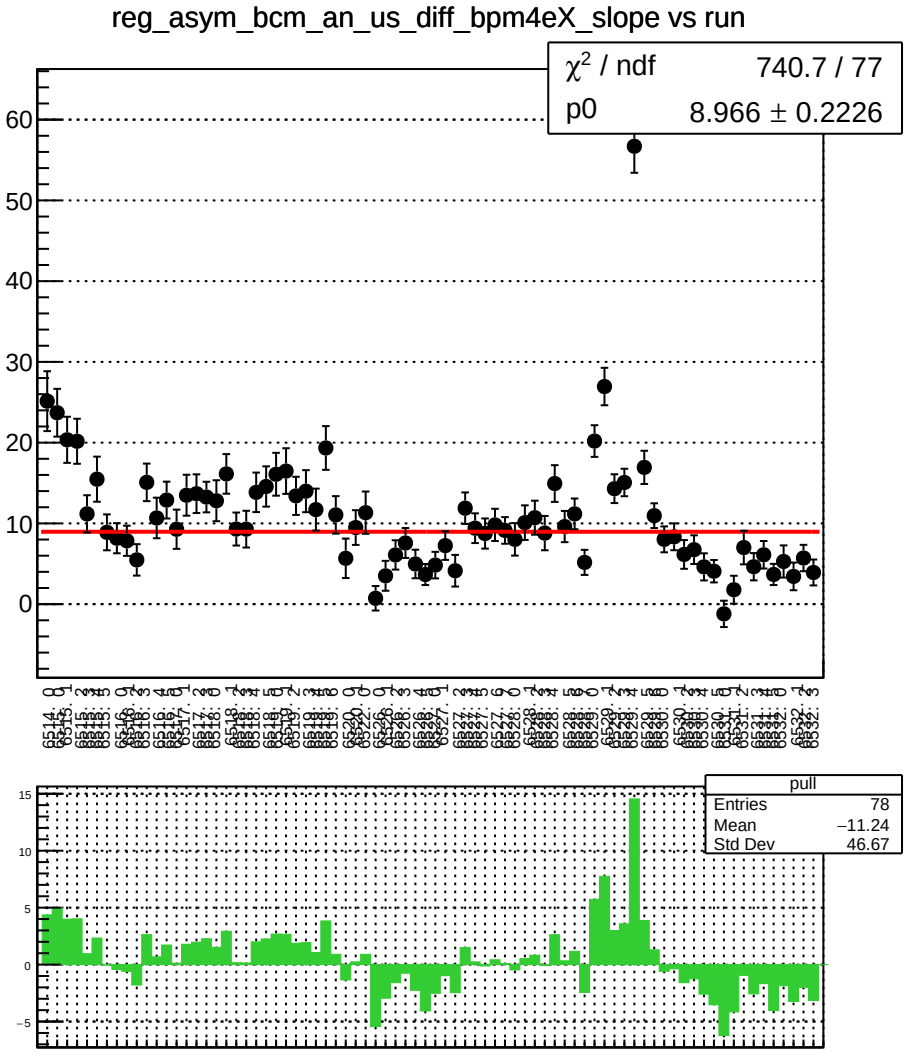

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 132.5 / 77
p0 0.1055 ± 0.008509
pull
Entries 78
Mean −8.555
Std Dev 28.79

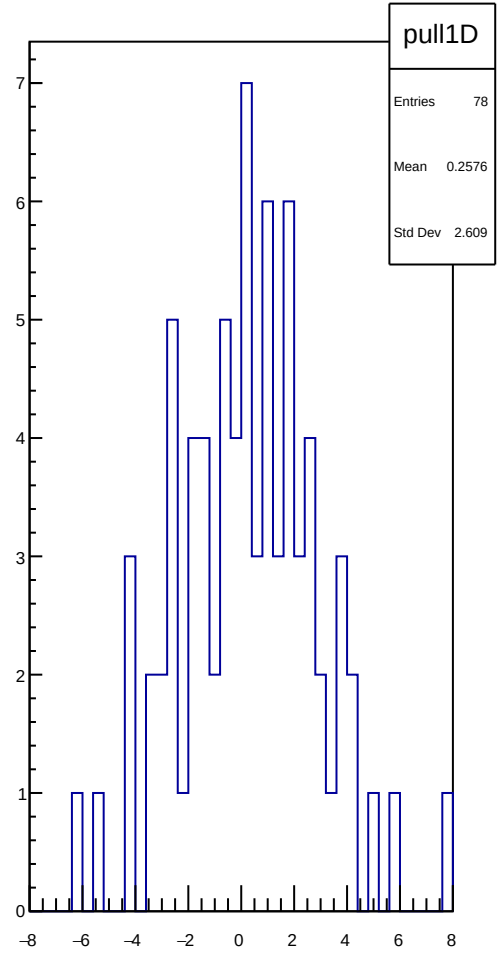

pull1D
Entries 78
Mean 0.1881
Std Dev 1.29

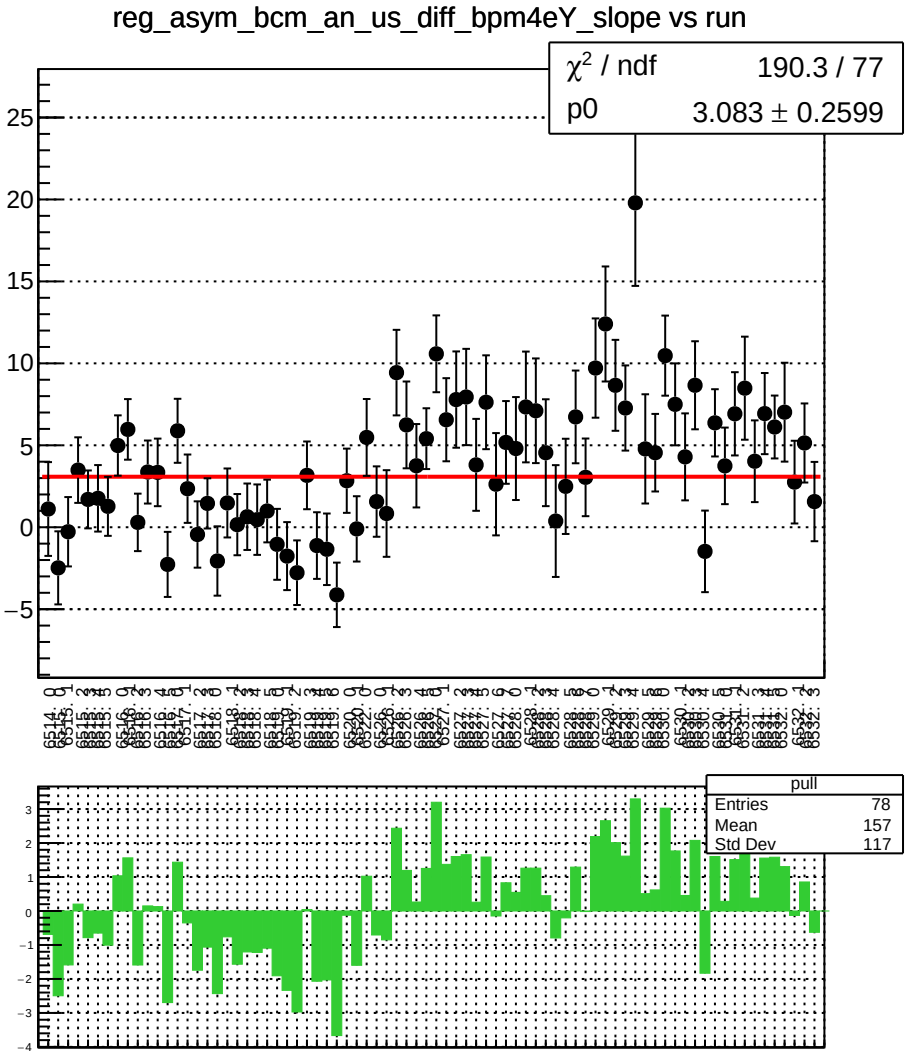

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 785 / 77
p0 −8.36 ± 0.205
pull
Entries 78
Mean −12.74
Std Dev 48.05

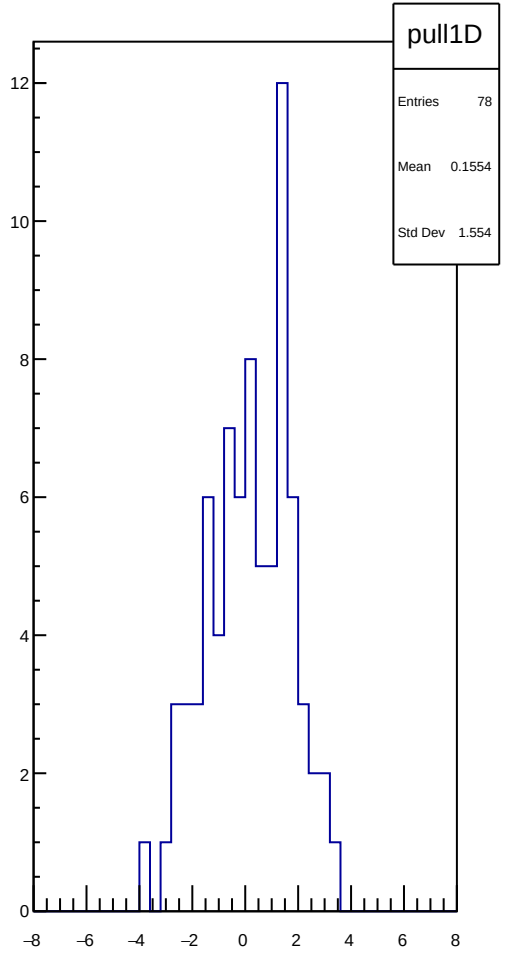

pull1D
Entries 78
Mean −0.2985
Std Dev 2.704

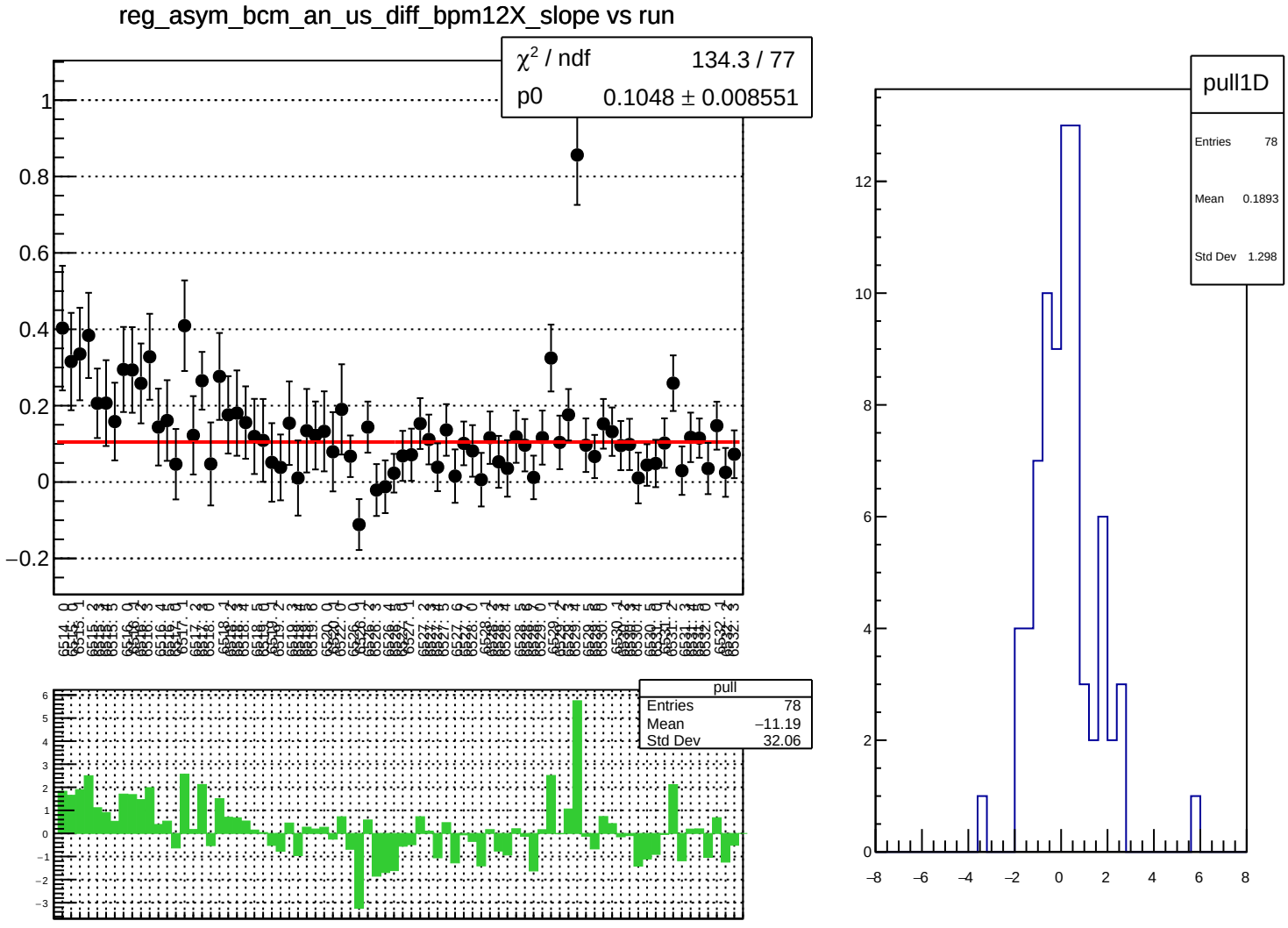

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 209.4 / 77
p0 −3.18 ± 0.2355
pull
Entries 78
Mean 111.1
Std Dev 69.88
pull1D
Entries 78
Mean −0.2939
Std Dev 1.612

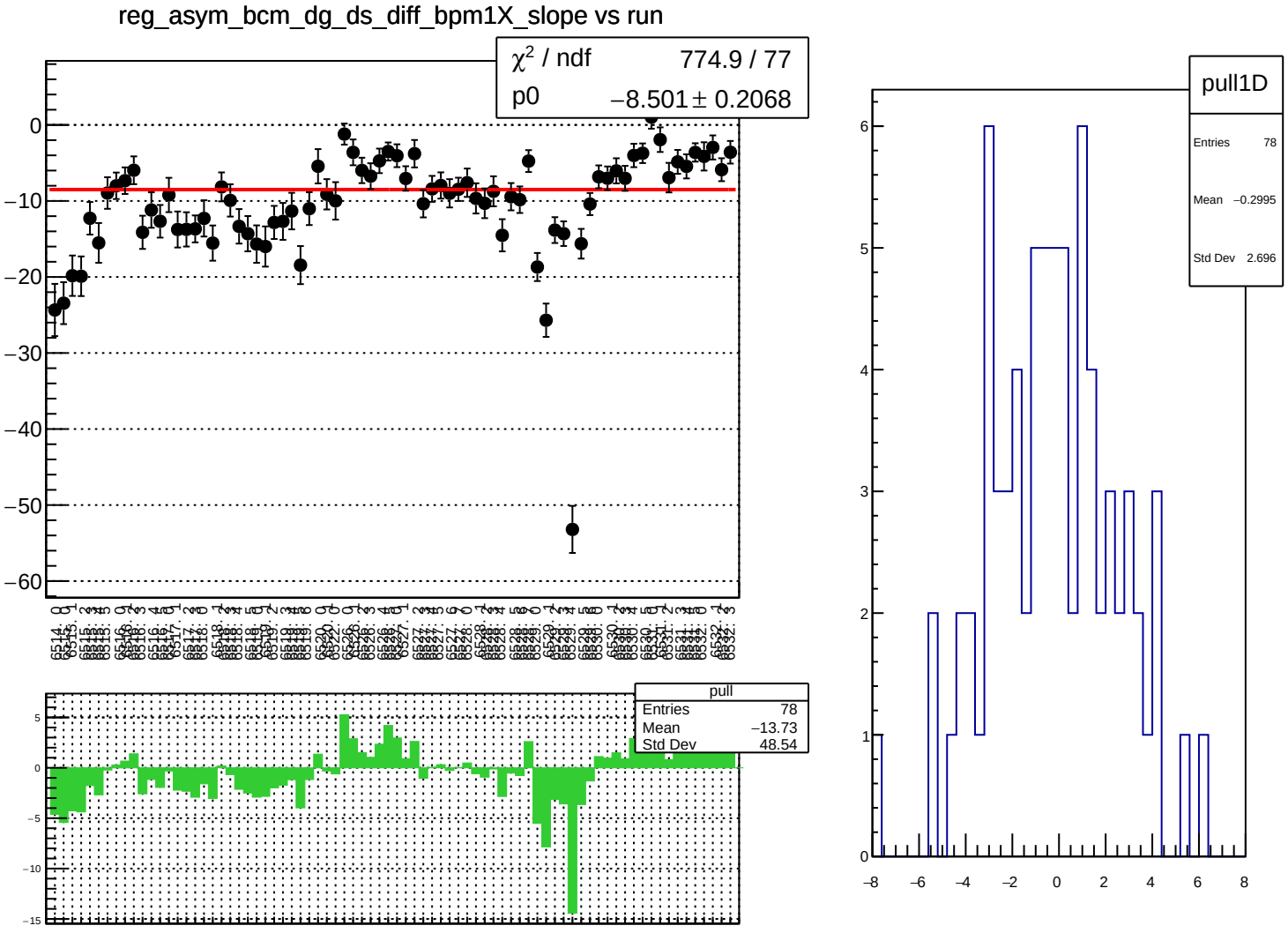

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 740.7 / 77
p0 8.966 ± 0.2226
pull
Entries 78
Mean −11.24
Std Dev 46.67

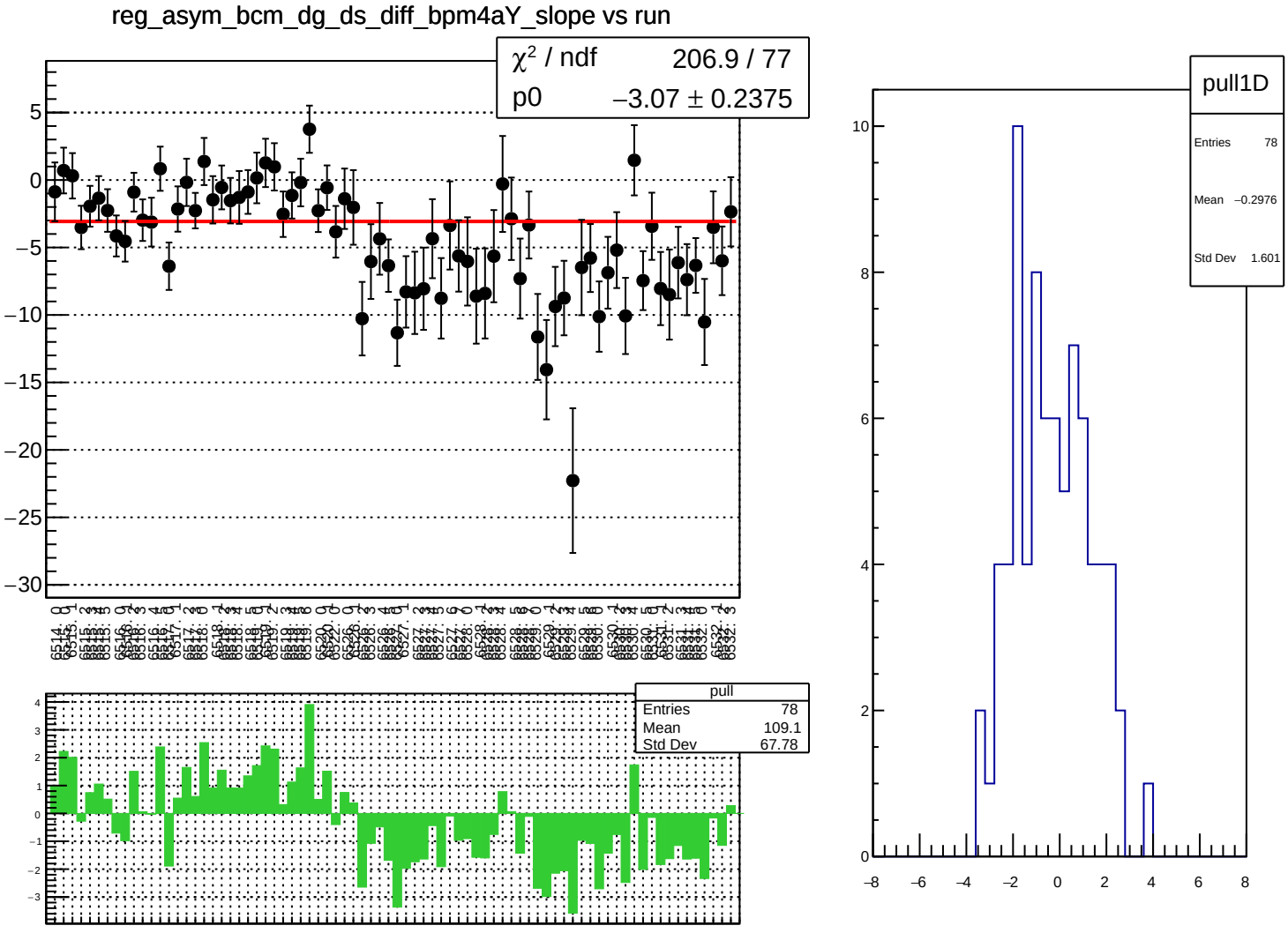

pull1D
Entries 78
Mean 0.2576
Std Dev 2.609

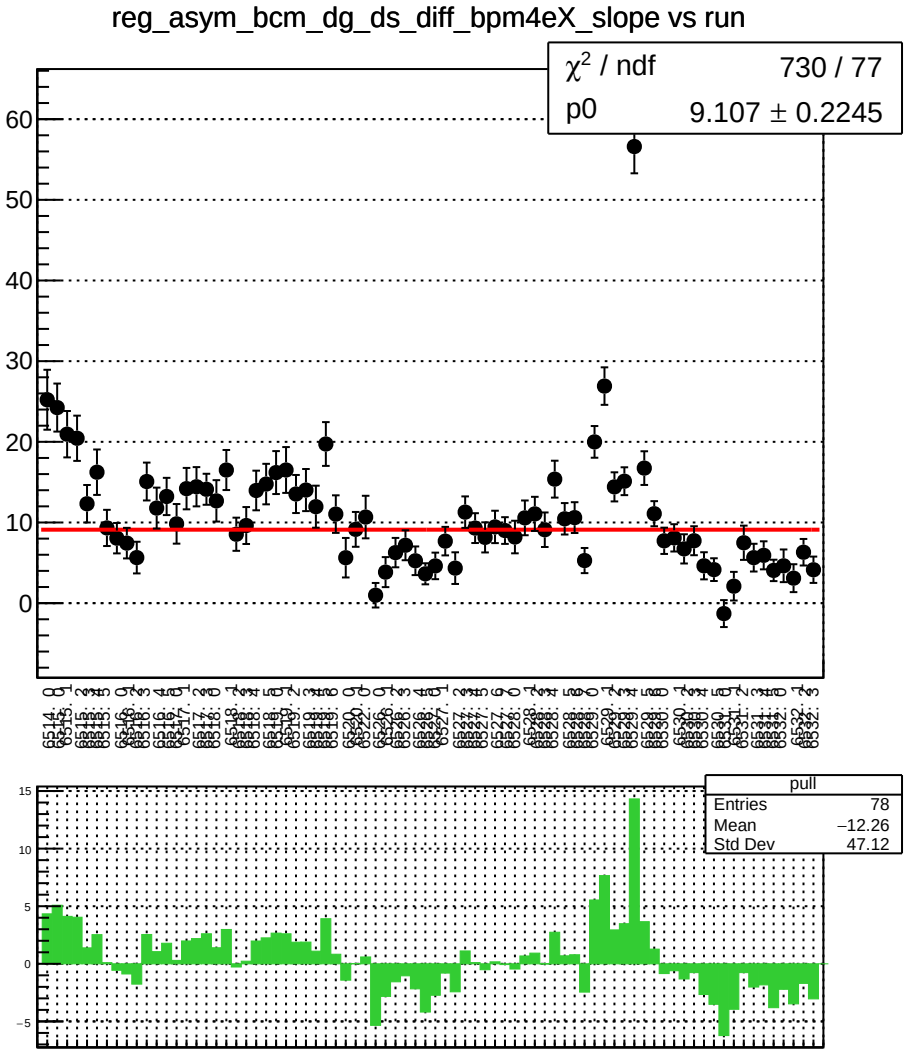

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 190.3 / 77
p0 3.083 ± 0.2599
pull
Entries 78
Mean 157
Std Dev 117

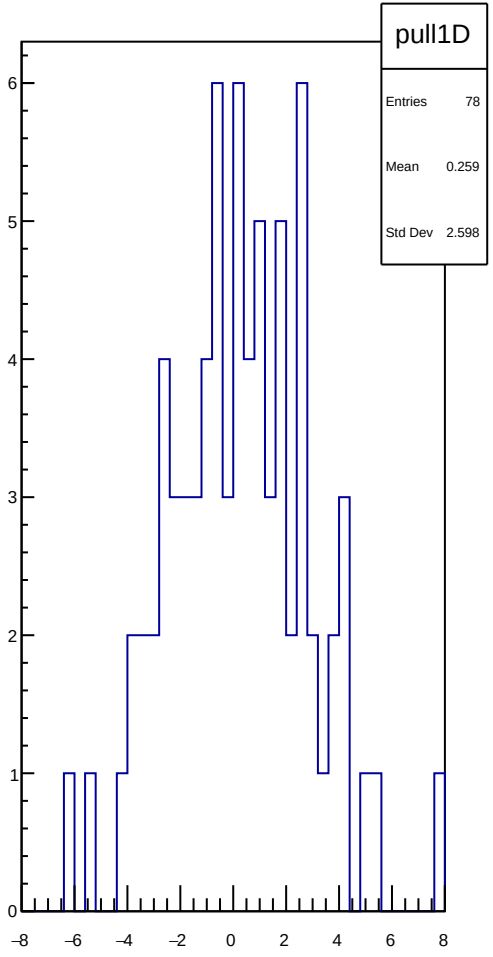

pull1D
Entries 78
Mean 0.1554
Std Dev 1.554

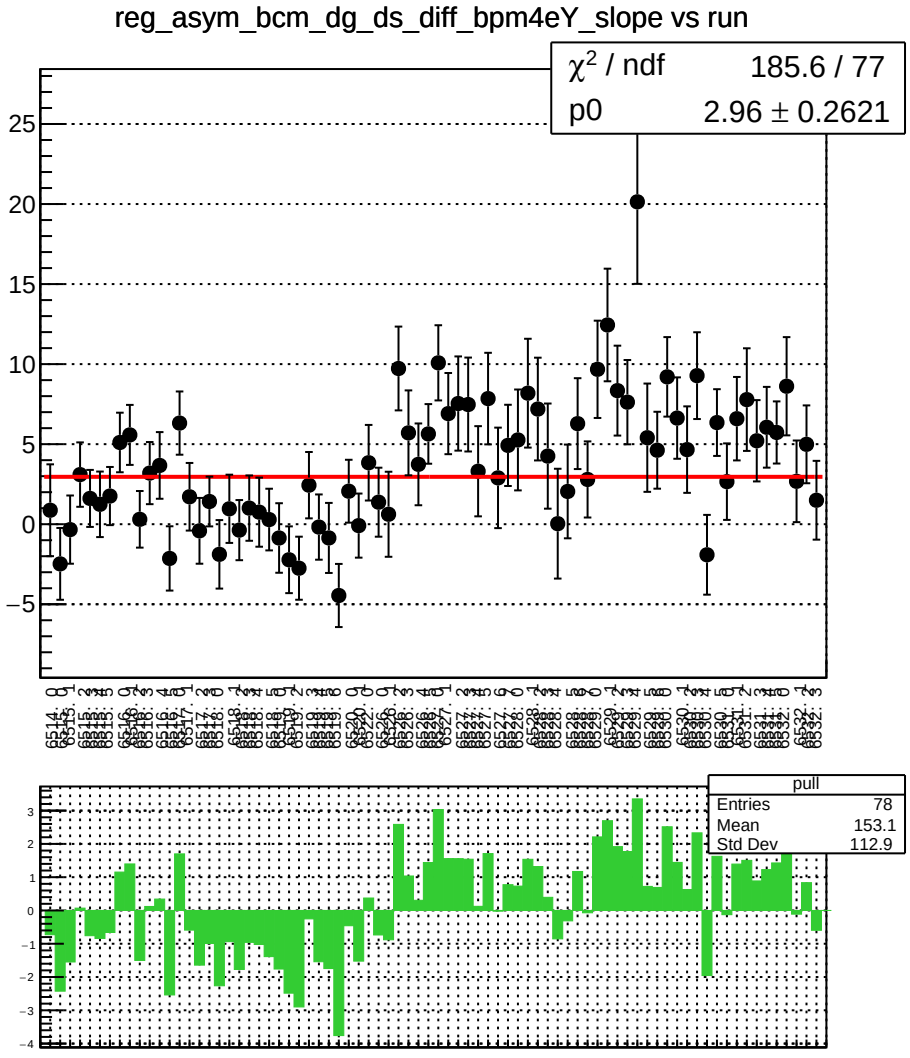

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 134.3 / 77
p0 0.1048 ± 0.008551
pull
Entries 78
Mean −11.19
Std Dev 32.06
pull1D
Entries 78
Mean 0.1893
Std Dev 1.298

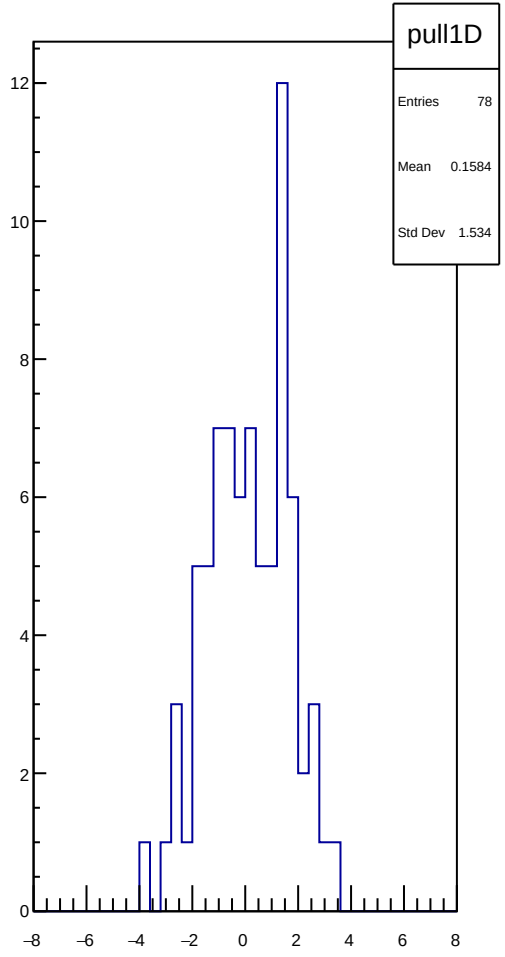

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 774.9 / 77
p0 −8.501 ± 0.2068
pull
Entries 78
Mean −13.73
Std Dev 48.54
pull1D
Entries 78
Mean −0.2995
Std Dev 2.696

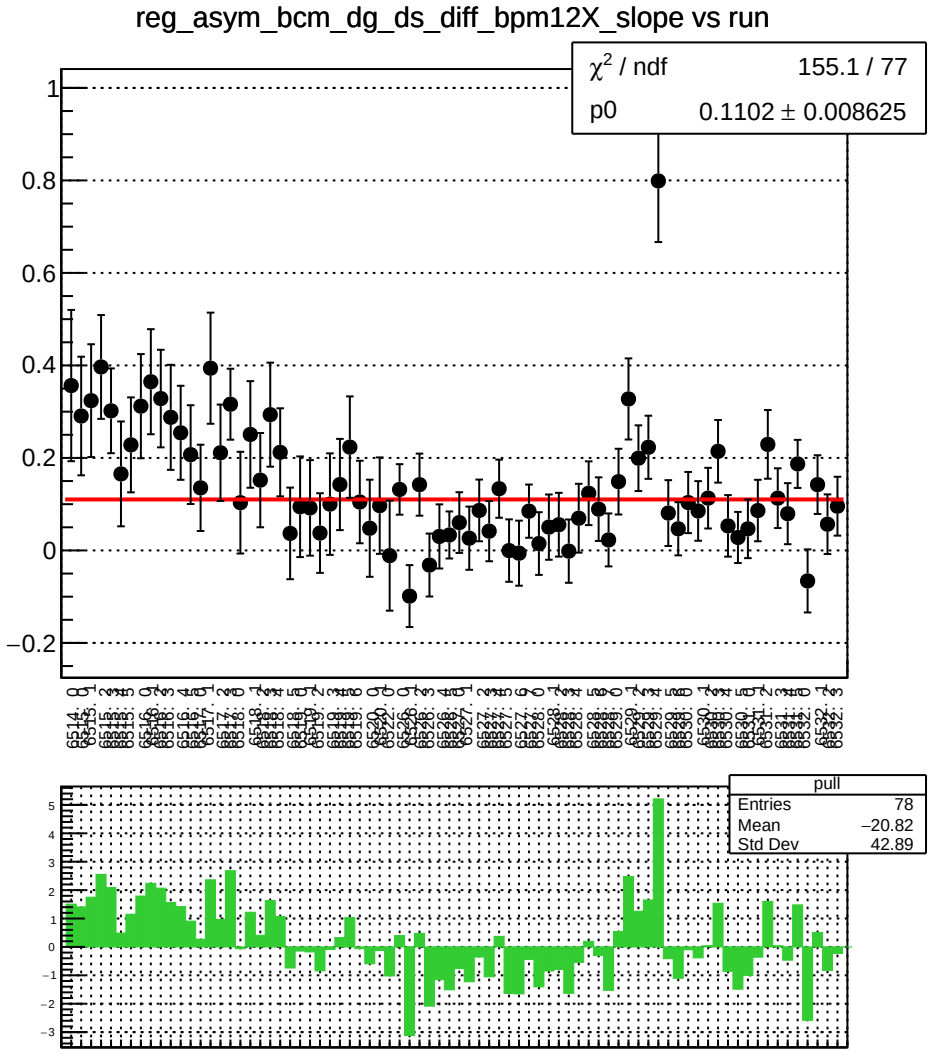

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 206.9 / 77
p0 −3.07 ± 0.2375
pull
Entries 78
Mean 109.1
Std Dev 67.78
pull1D
Entries 78
Mean −0.2976
Std Dev 1.601

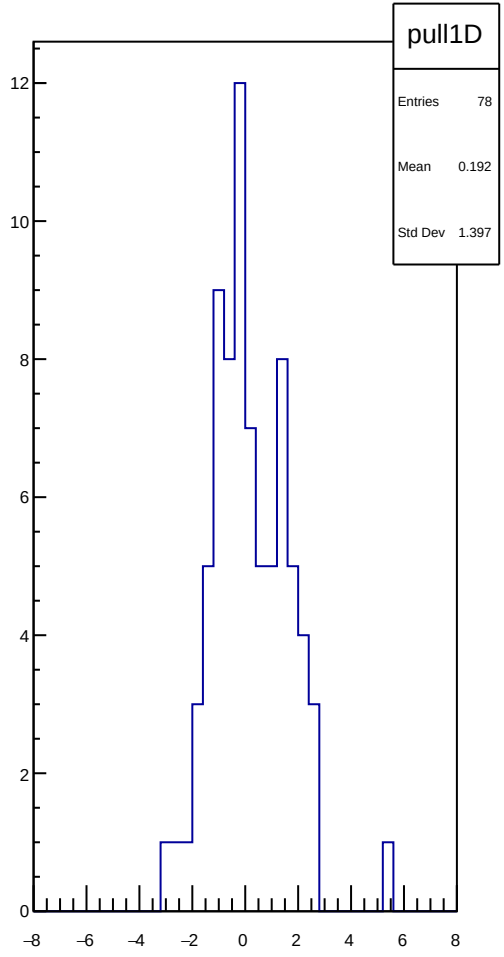

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 730 / 77
p0 9.107 ± 0.2245
pull
Entries 78
Mean −12.26
Std Dev 47.12

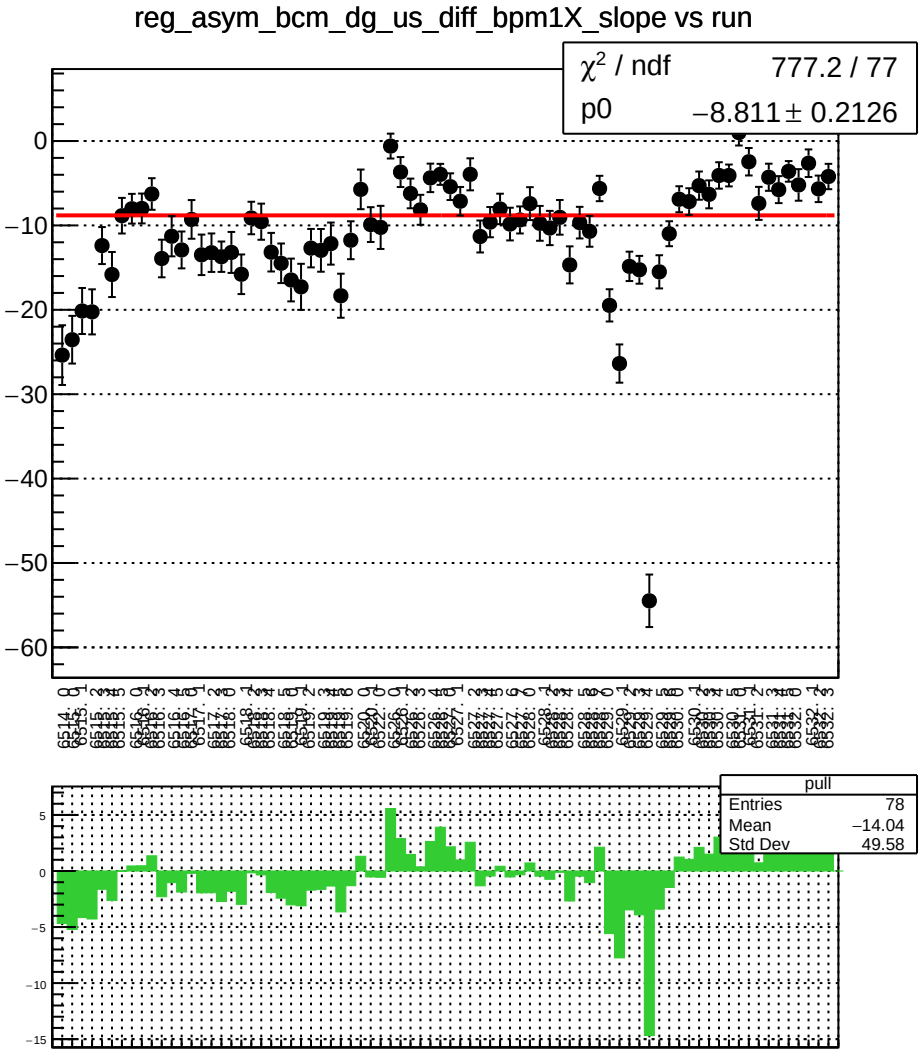

pull1D
Entries 78
Mean 0.259
Std Dev 2.598

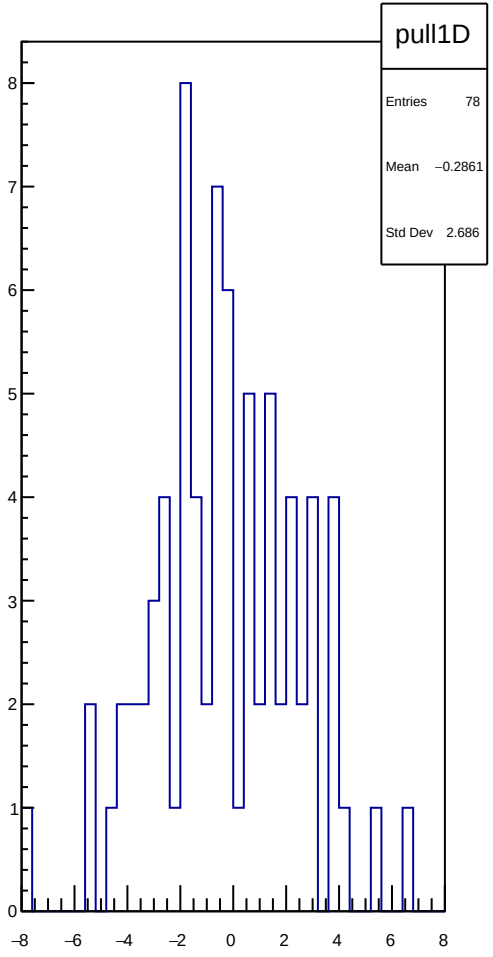

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 185.6 / 77
p0 2.96 ± 0.2621
pull
Entries 78
Mean 153.1
Std Dev 112.9

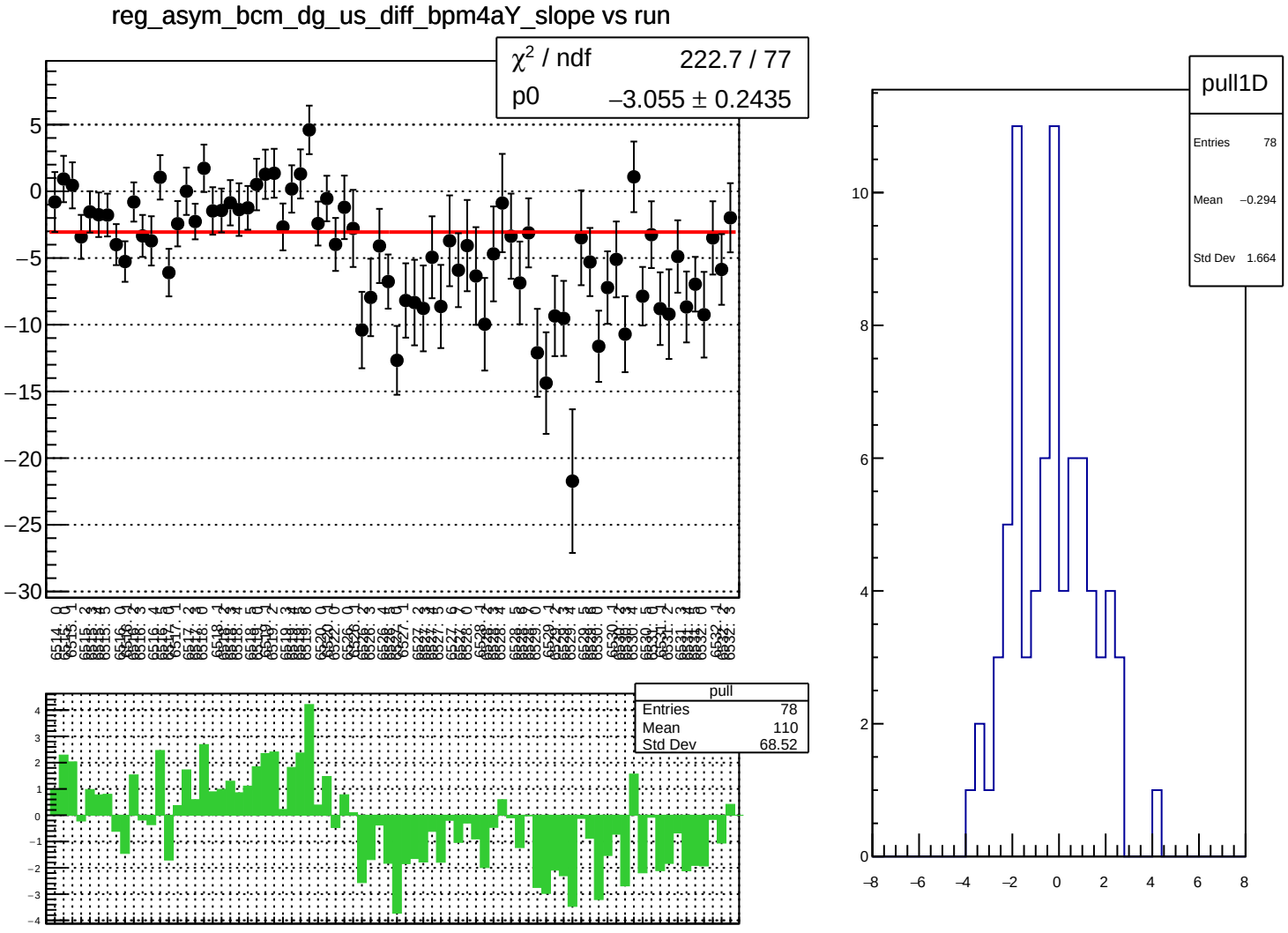

pull1D
Entries 78
Mean 0.1584
Std Dev 1.534


reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 155.1 / 77
p0 0.1102 ± 0.008625
pull
Entries 78
Mean −20.82
Std Dev 42.89

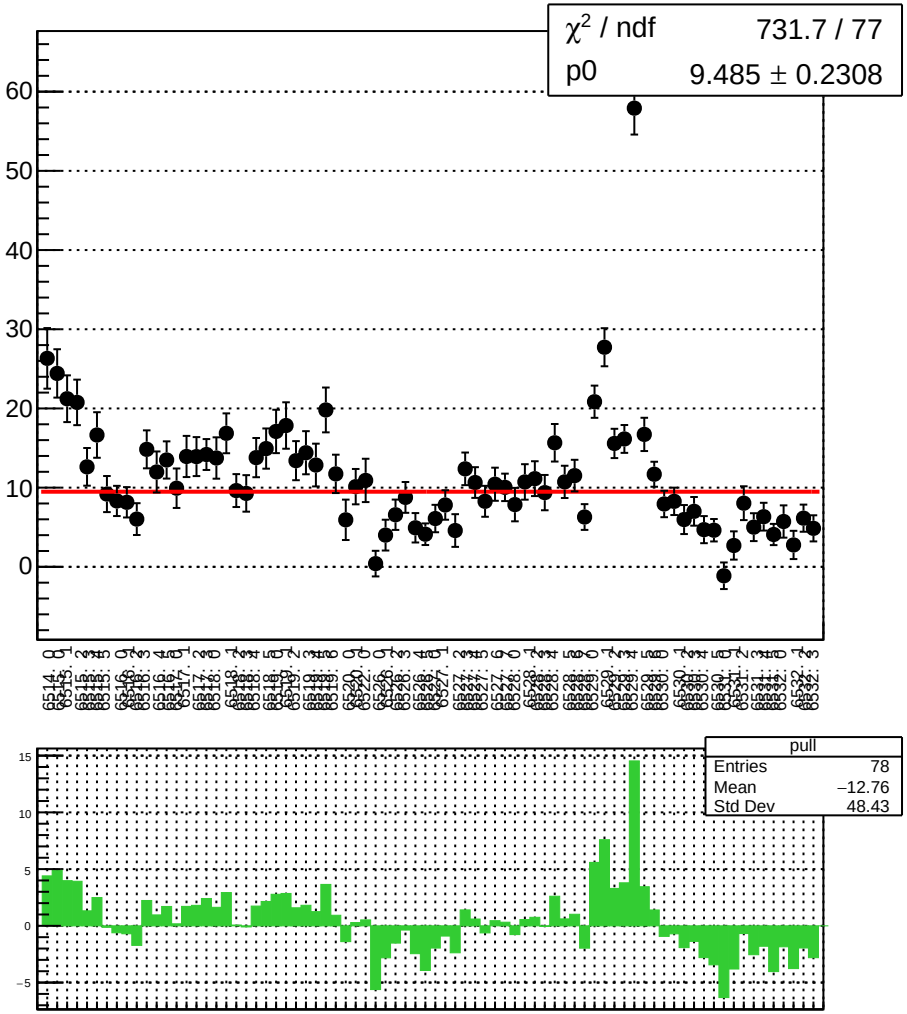

pull1D
Entries 78
Mean 0.192
Std Dev 1.397

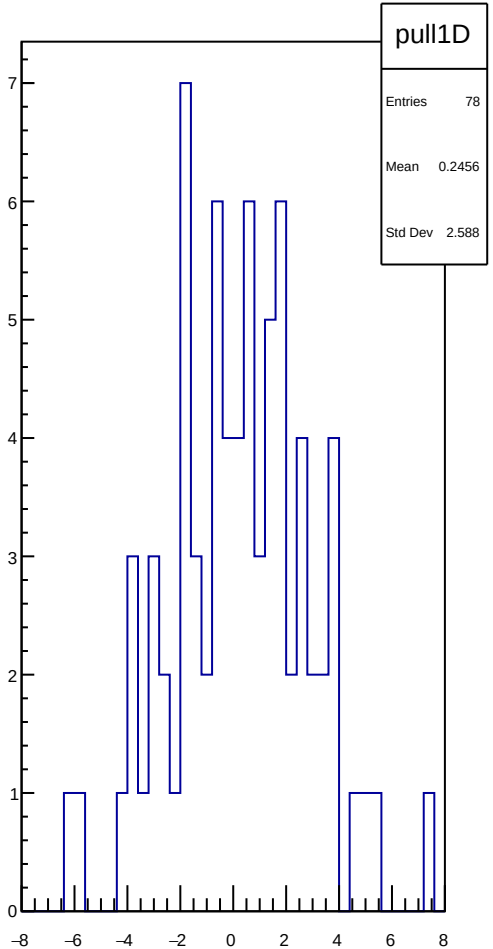

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 777.2 / 77
p0 −8.811 ± 0.2126
pull
Entries 78
Mean −14.04
Std Dev 49.58

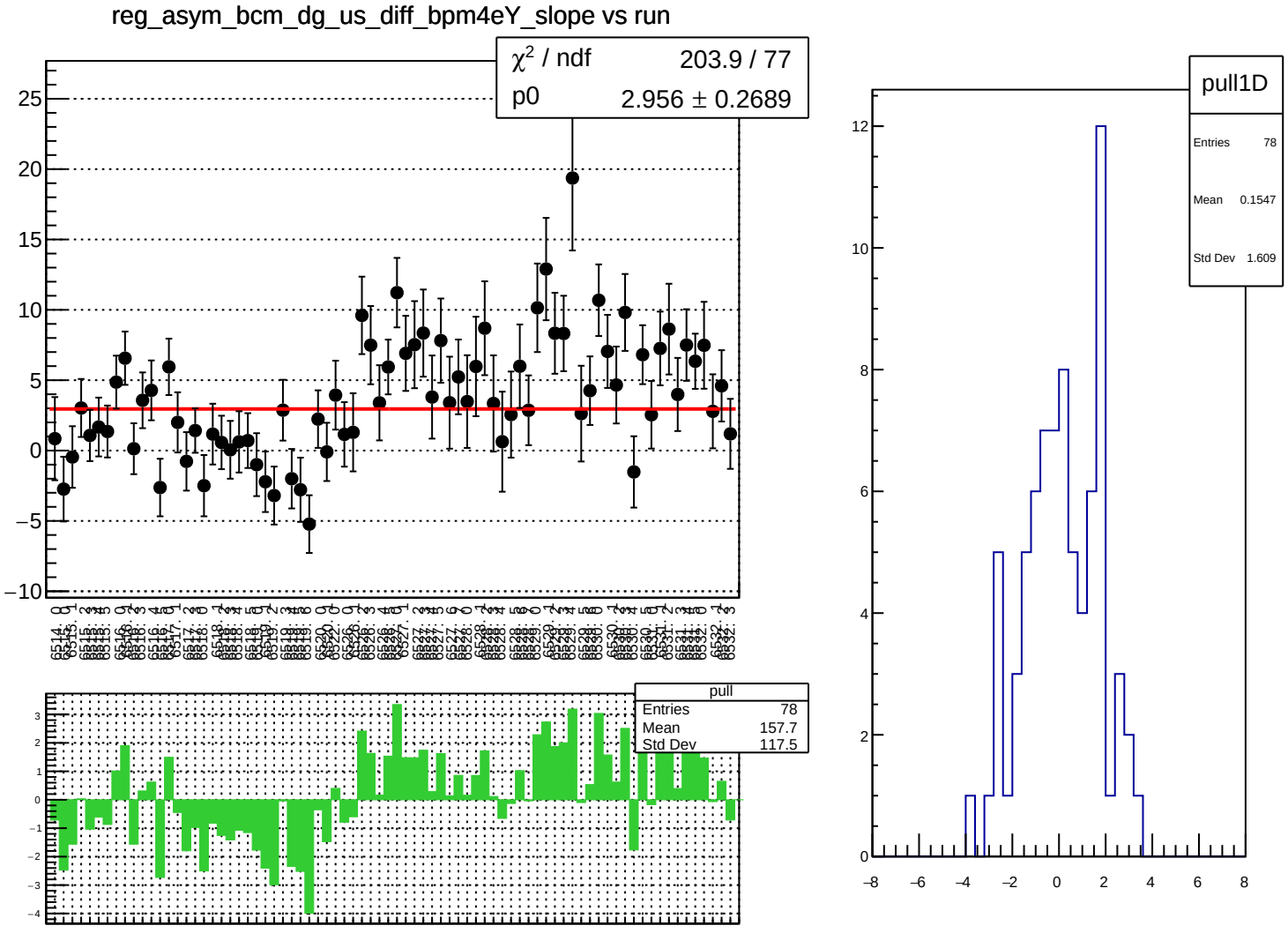

pull1D
Entries 78
Mean −0.2861
Std Dev 2.686

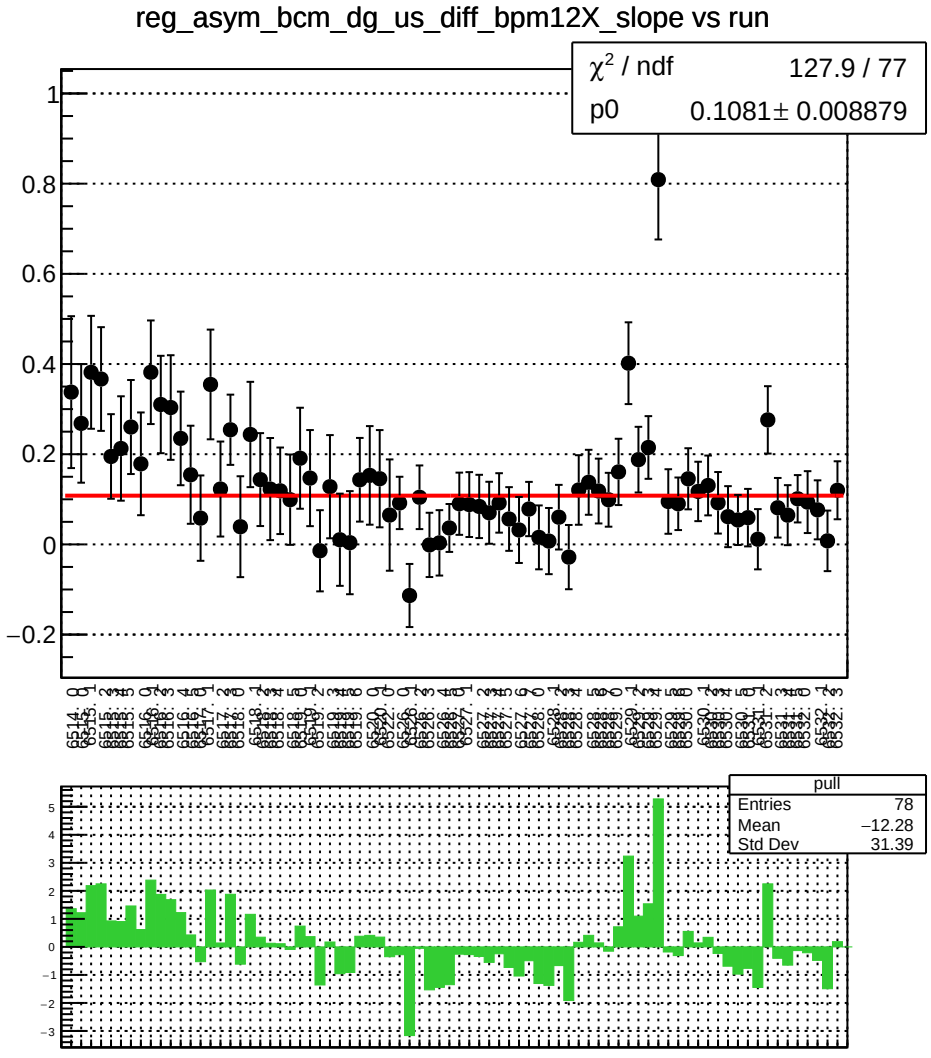

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 222.7 / 77
p0 −3.055 ± 0.2435
pull
Entries 78
Mean 110
Std Dev 68.52
pull1D
Entries 78
Mean −0.294
Std Dev 1.664

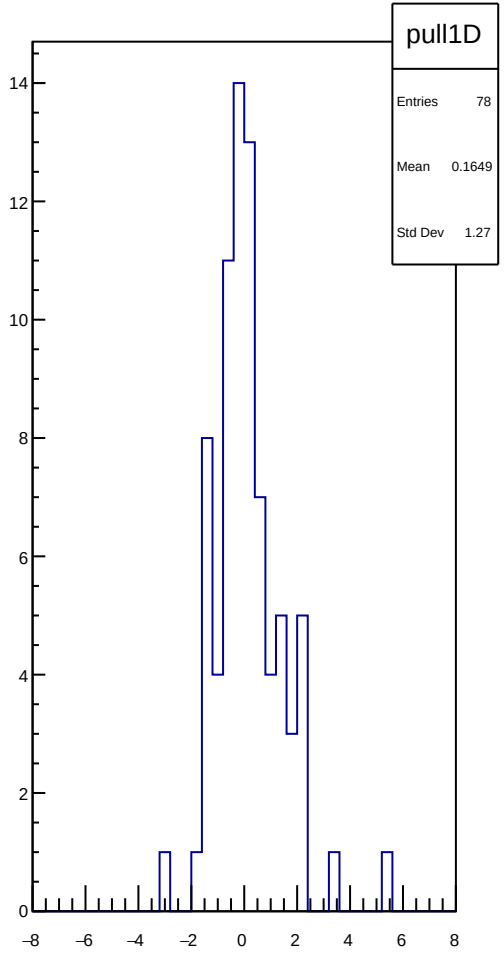
reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run






reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 203.9 / 77
p0 2.956 ± 0.2689
pull
Entries 78
Mean 157.7
Std Dev 117.5
pull1D
Entries 78
Mean 0.1547
Std Dev 1.609


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 127.9 / 77
p0 0.1081 ± 0.008879
pull
Entries 78
Mean −12.28
Std Dev 31.39


pull1D
Entries 78
Mean 0.1649
Std Dev 1.27