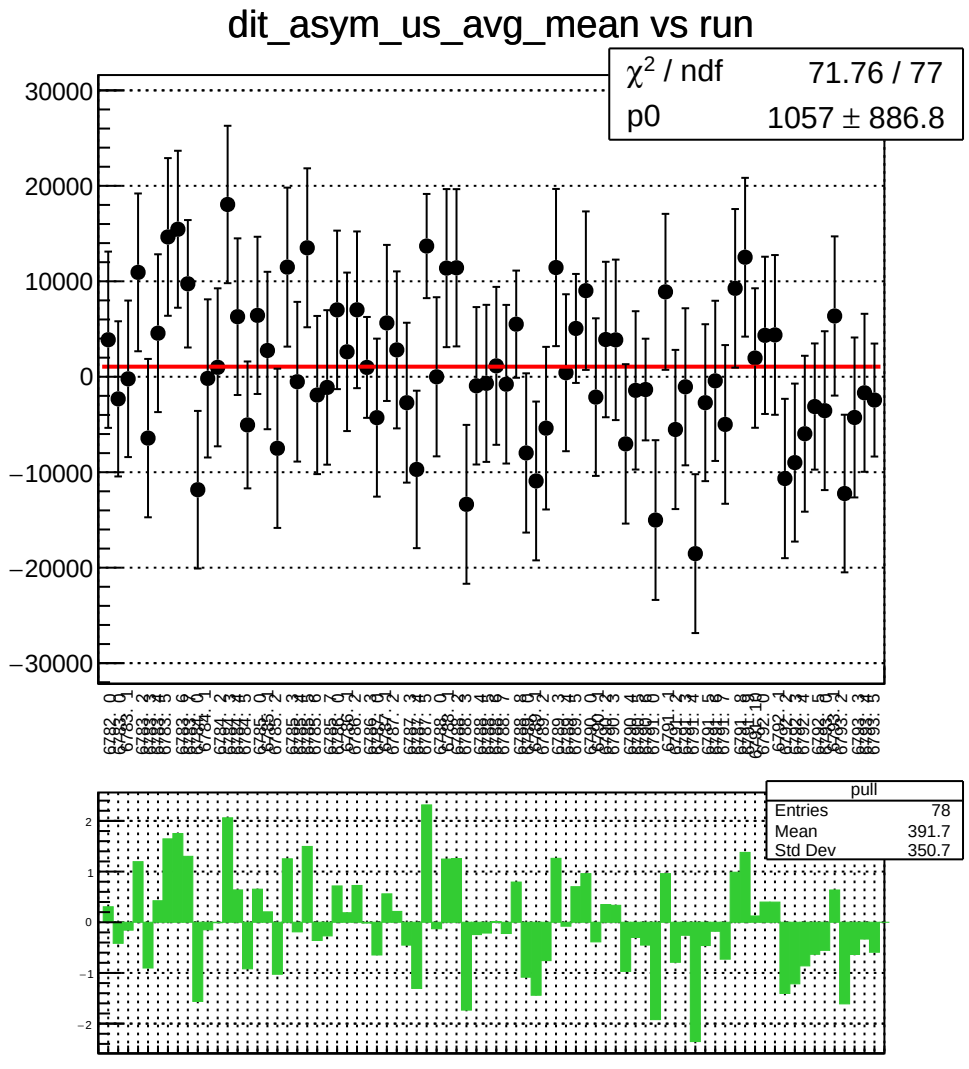
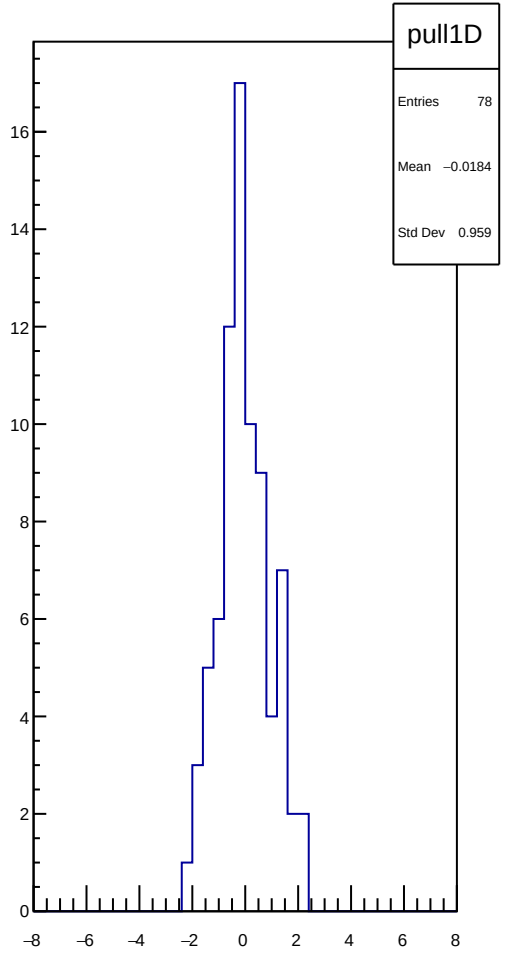
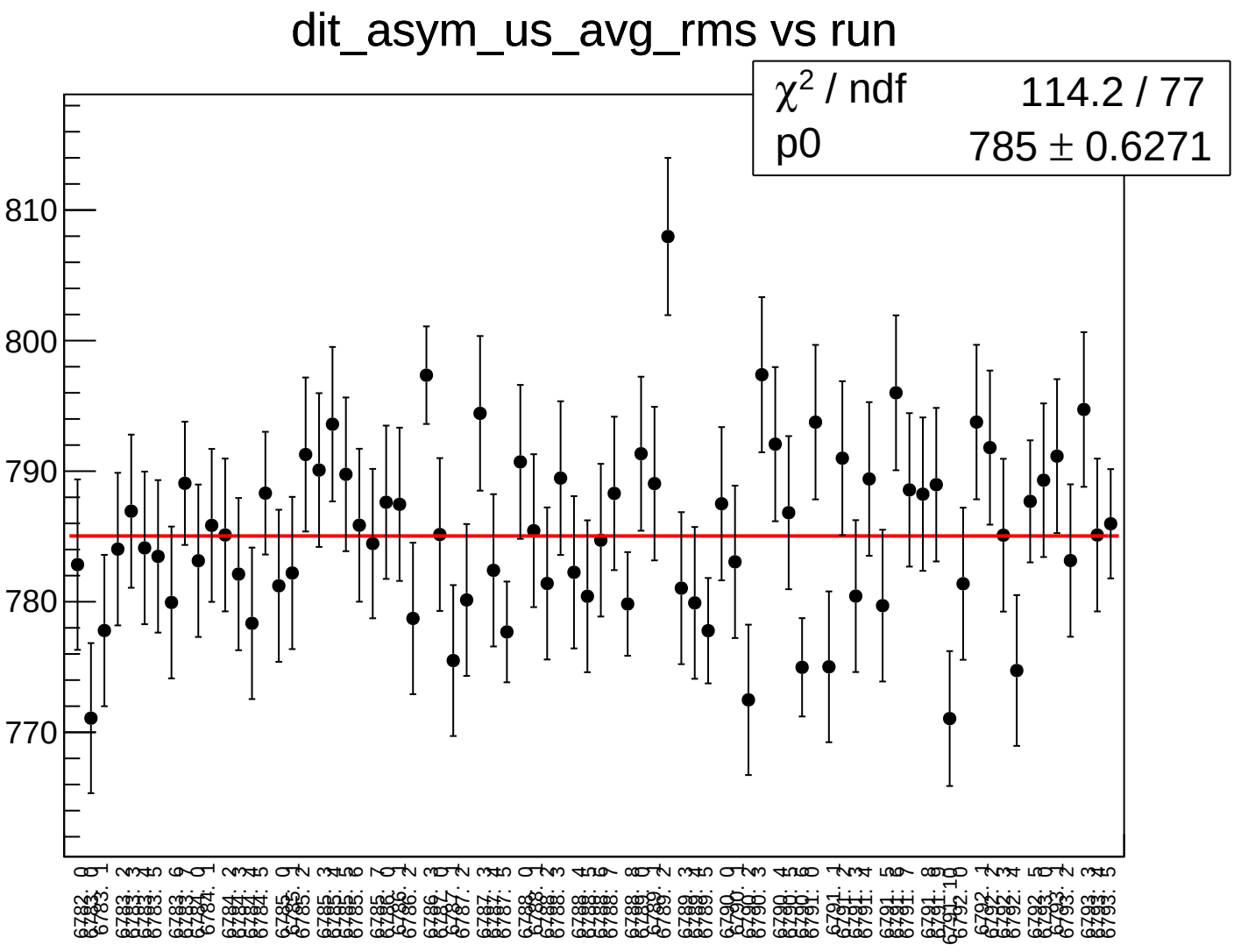
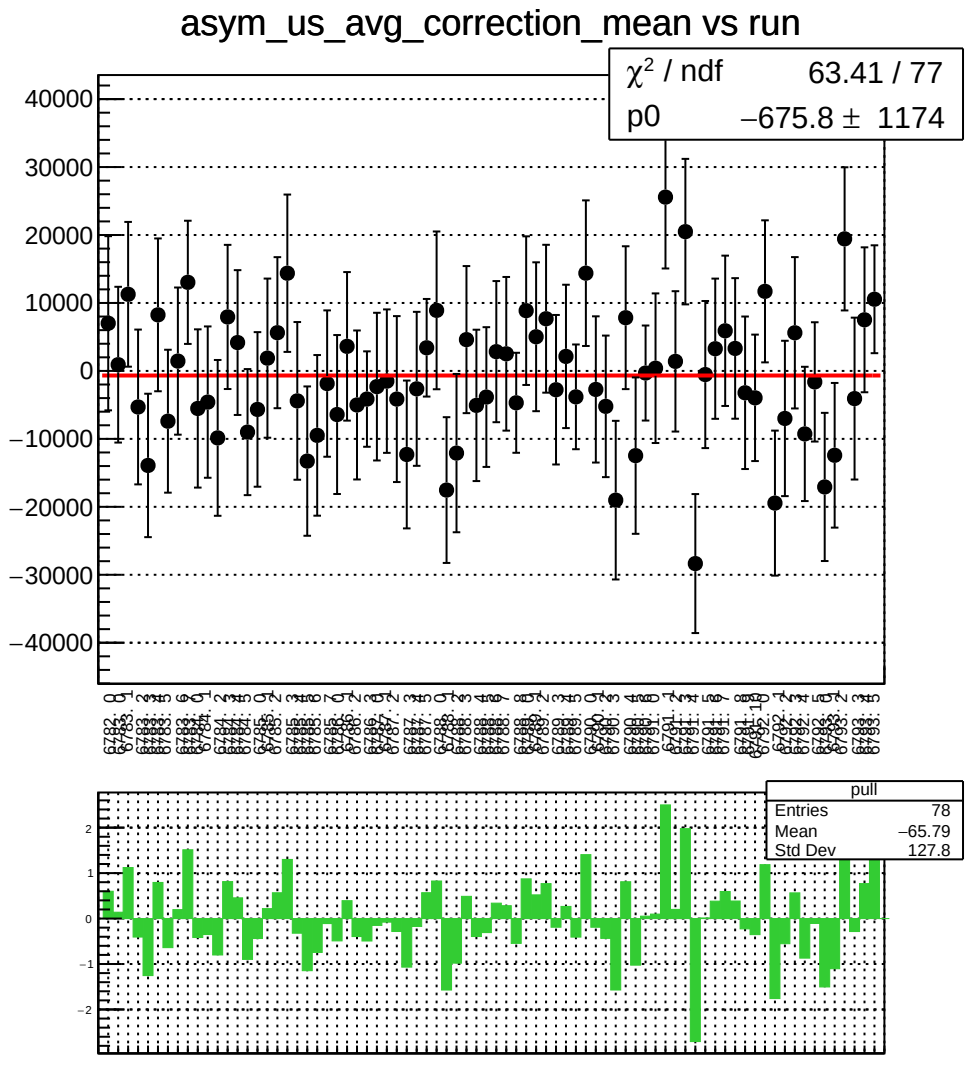
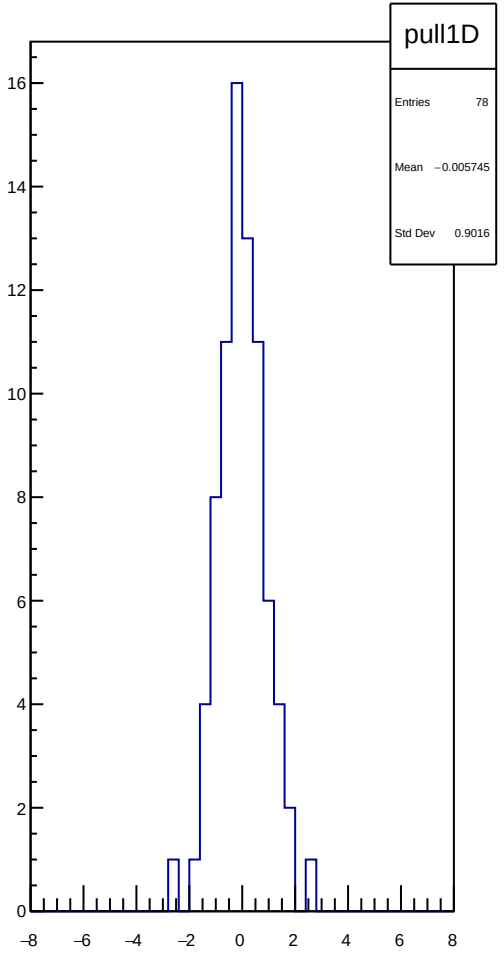
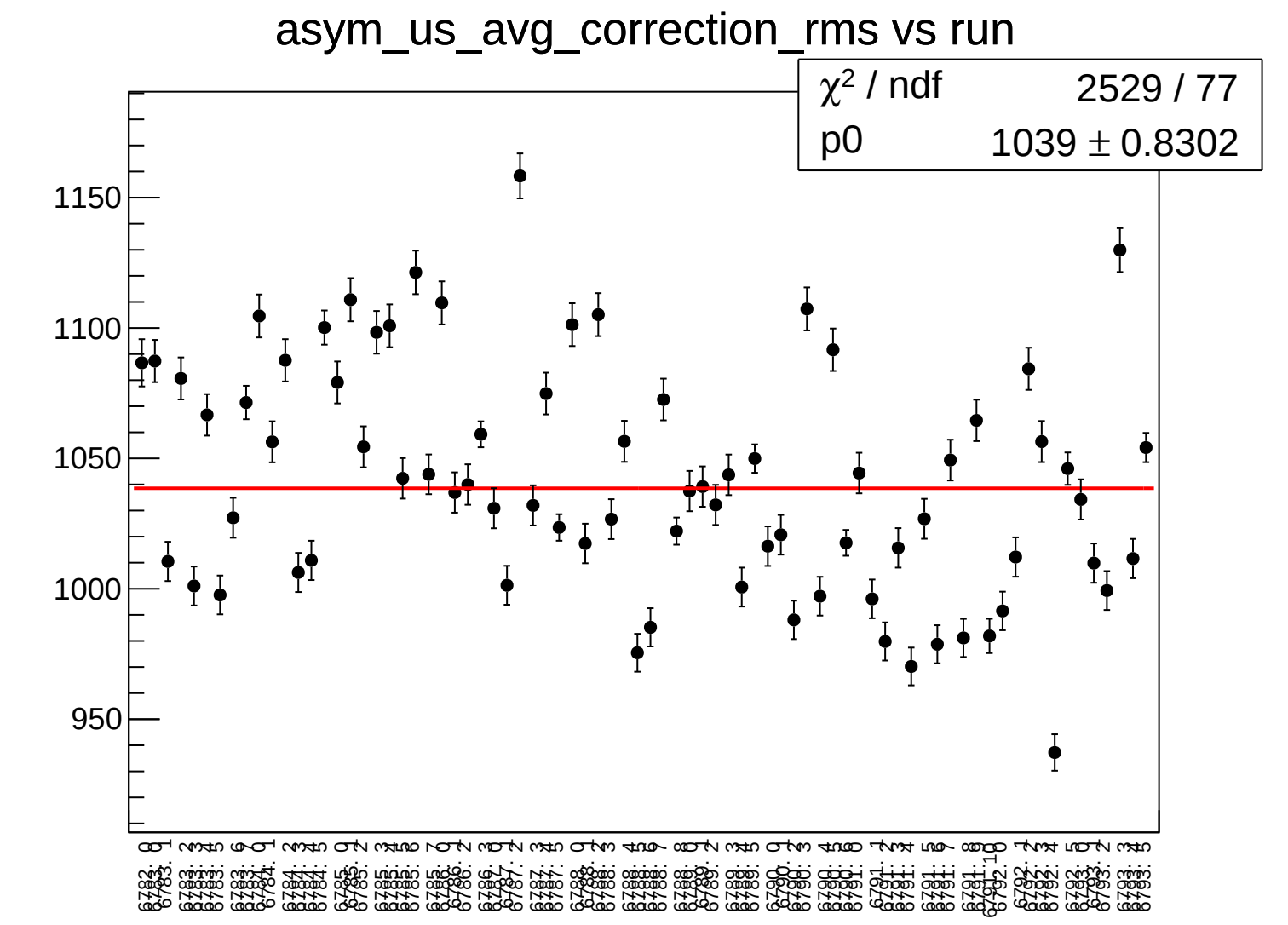

dit_asym_us_avg_mean vs run
χ² / ndf 71.76 / 77
p0 1057 ± 886.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 391.7
Std Dev 350.7
2
1
0
−1
−2

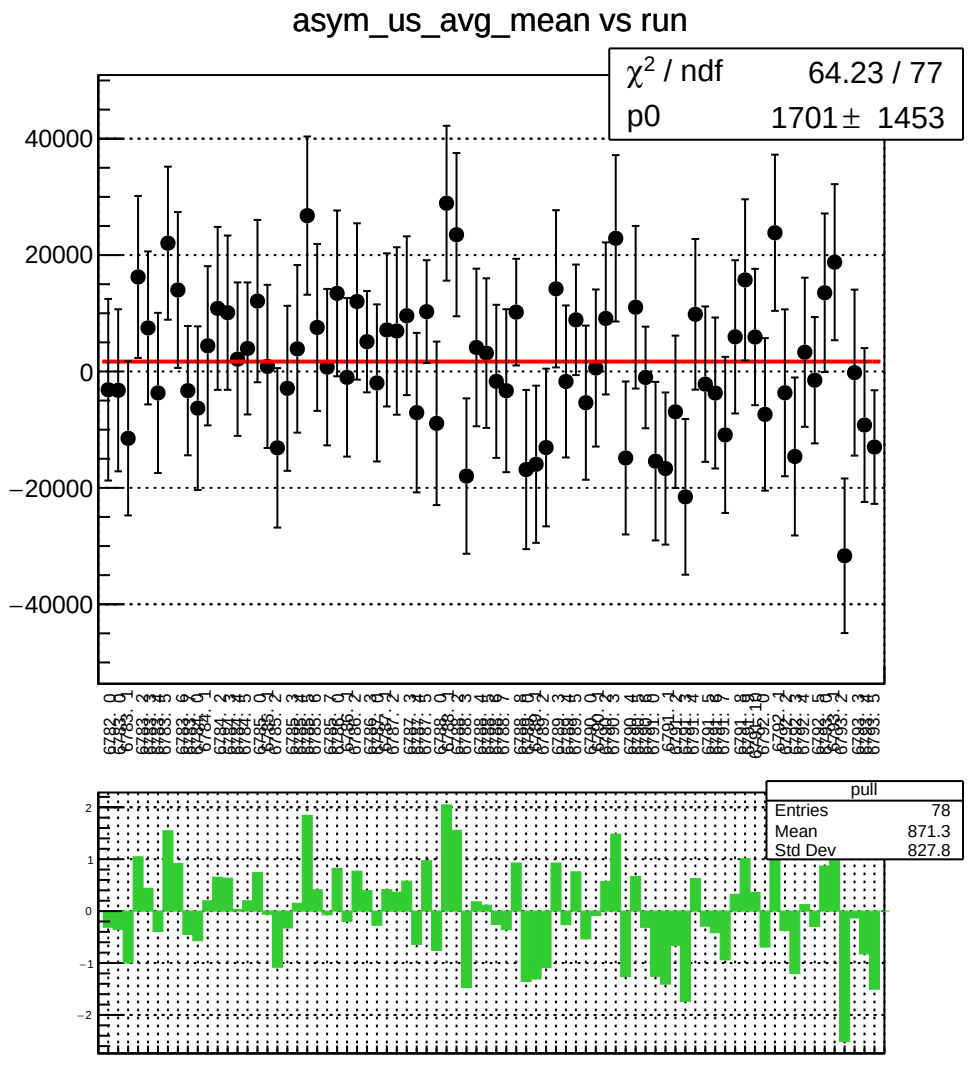

pull1D
Entries 78
Mean −0.0184
Std Dev 0.959
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

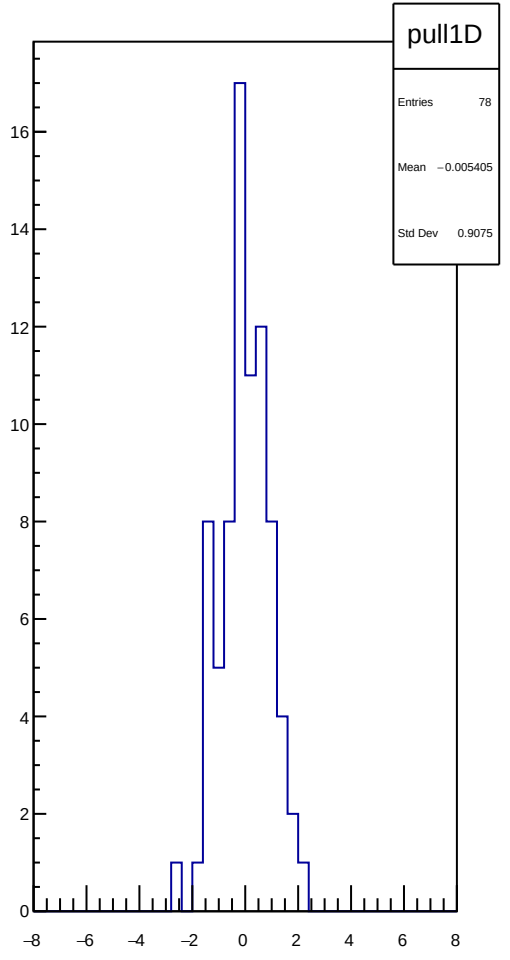

dit_asym_us_avg_rms vs run
χ² / ndf 114.2 / 77
p0 785 ± 0.6271
810
800
790
780
770

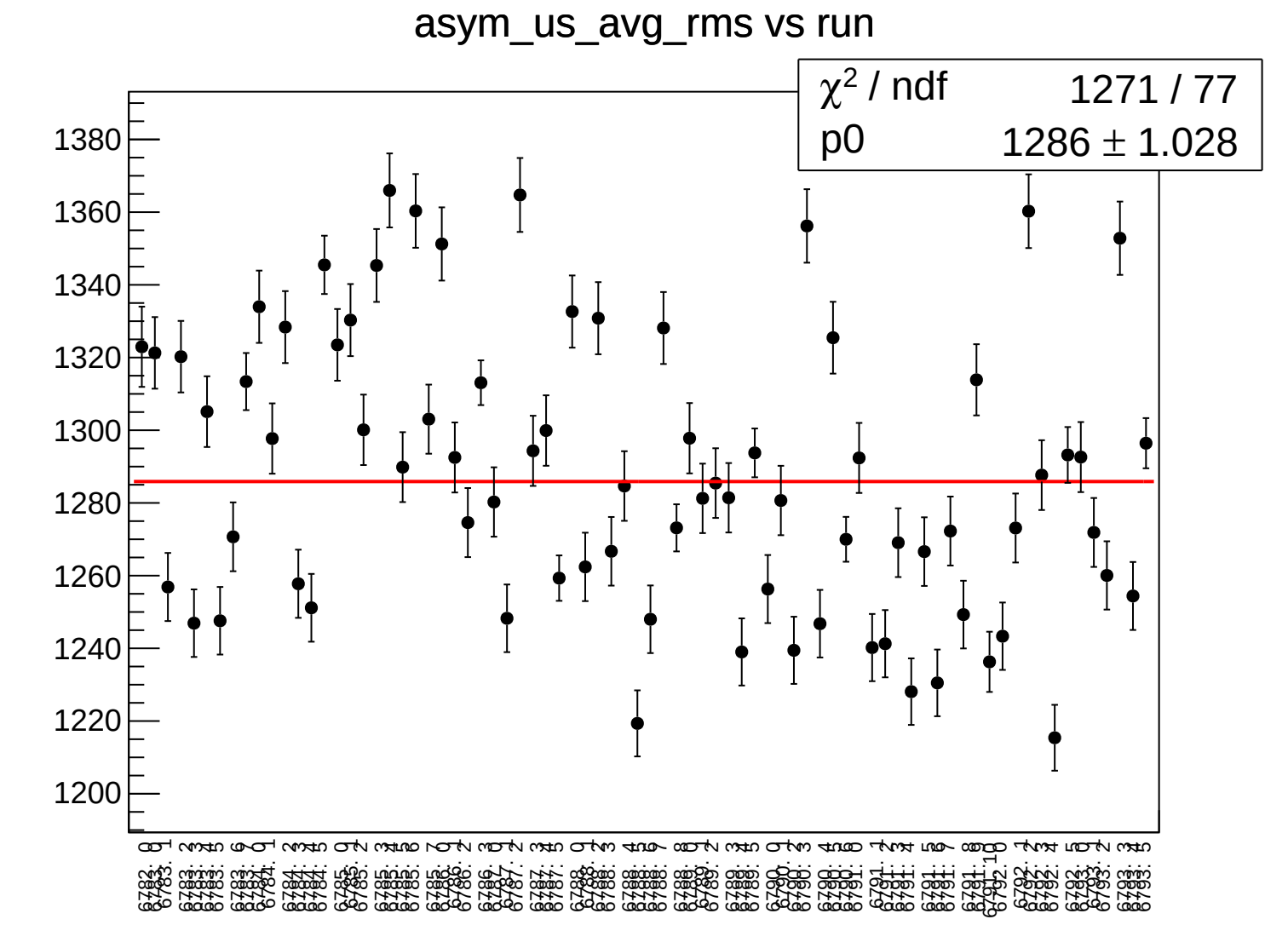

asym_us_avg_correction_mean vs run
χ² / ndf 63.41 / 77
p0 −675.8 ± 1174
pull
Entries 78
Mean −65.79
Std Dev 127.8

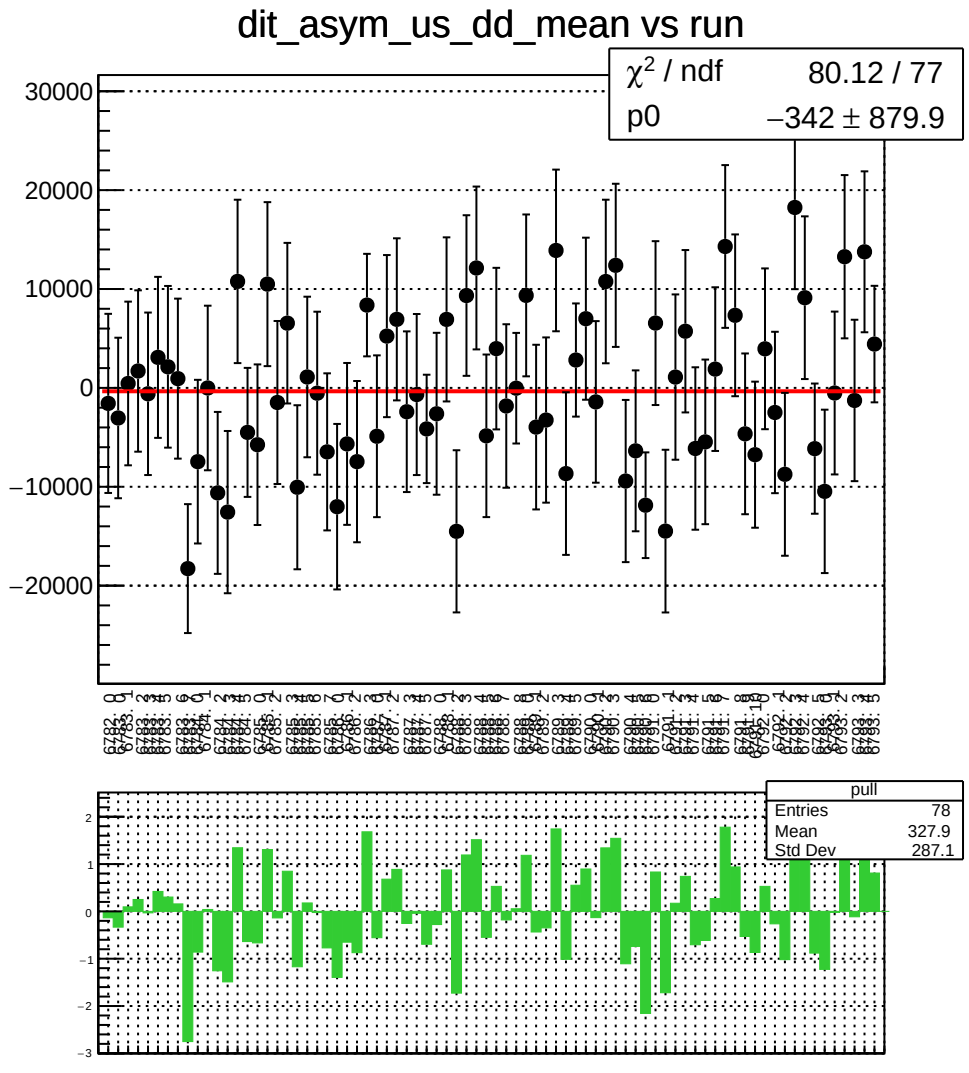

pull1D
Entries 78
Mean −0.005745
Std Dev 0.9016

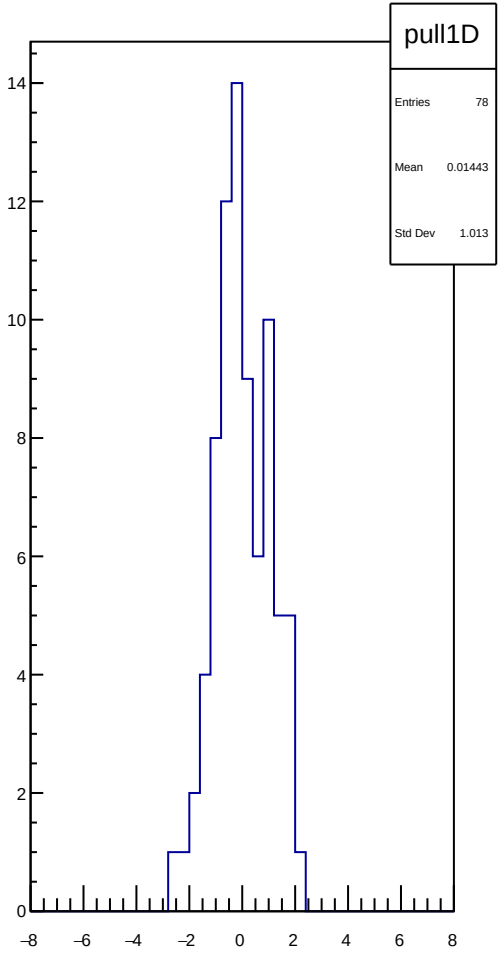

asym_us_avg_correction_rms vs run
χ² / ndf 2529 / 77
p0 1039 ± 0.8302
1150
1100
1050
1000
950

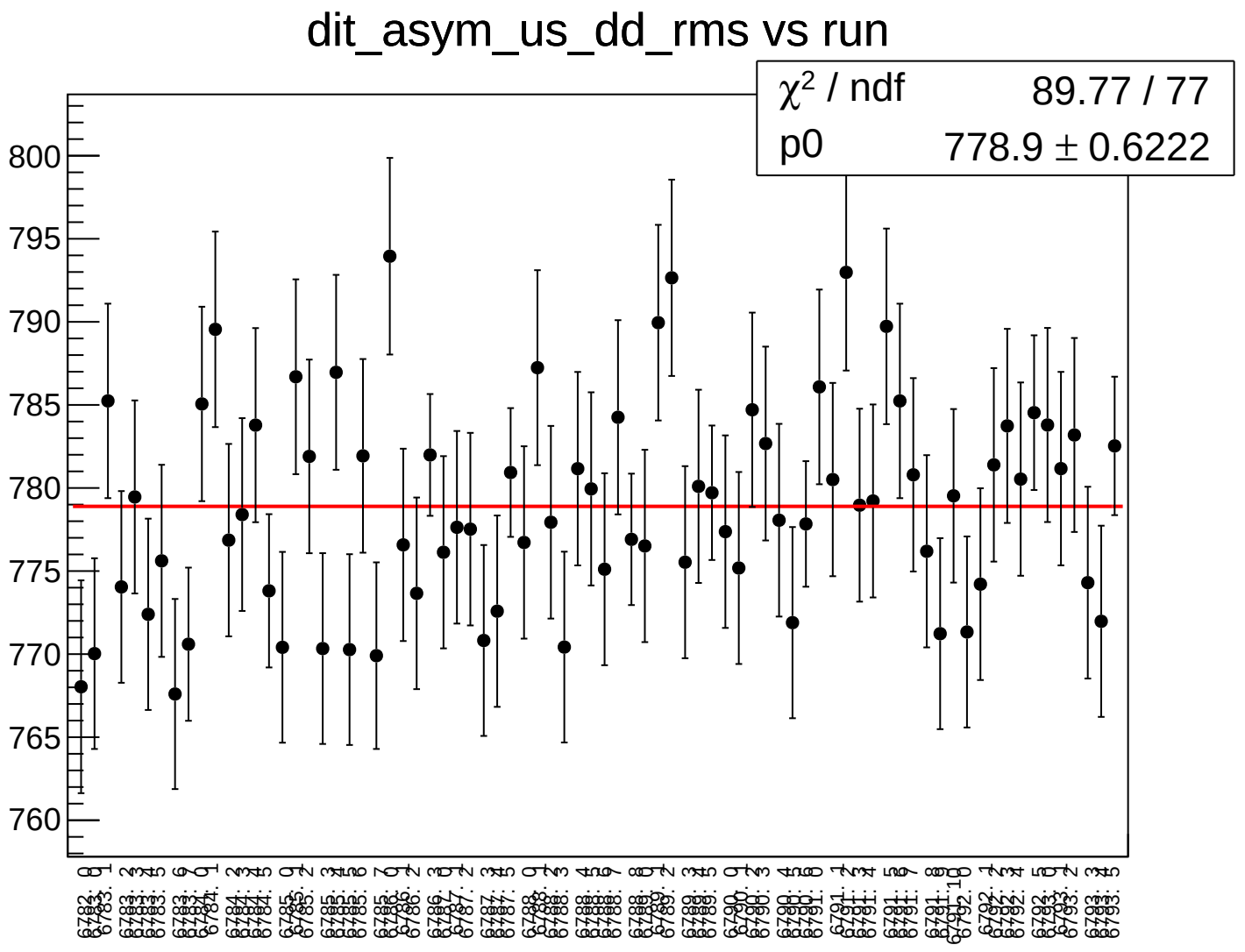

asym_us_avg_mean vs run
χ² / ndf 64.23 / 77
p0 1701 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 871.3
Std Dev 827.8
2
1
0
−1
−2

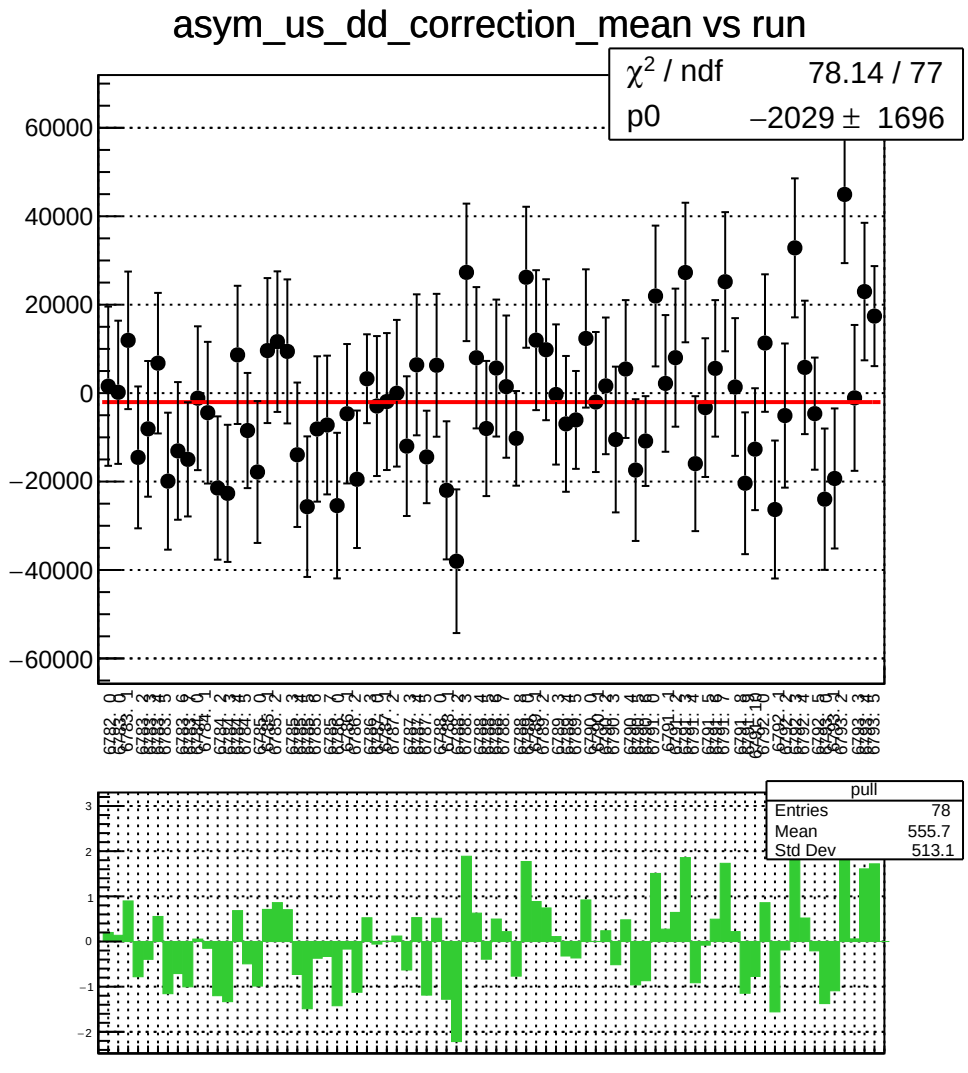

pull1D
Entries 78
Mean −0.005405
Std Dev 0.9075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

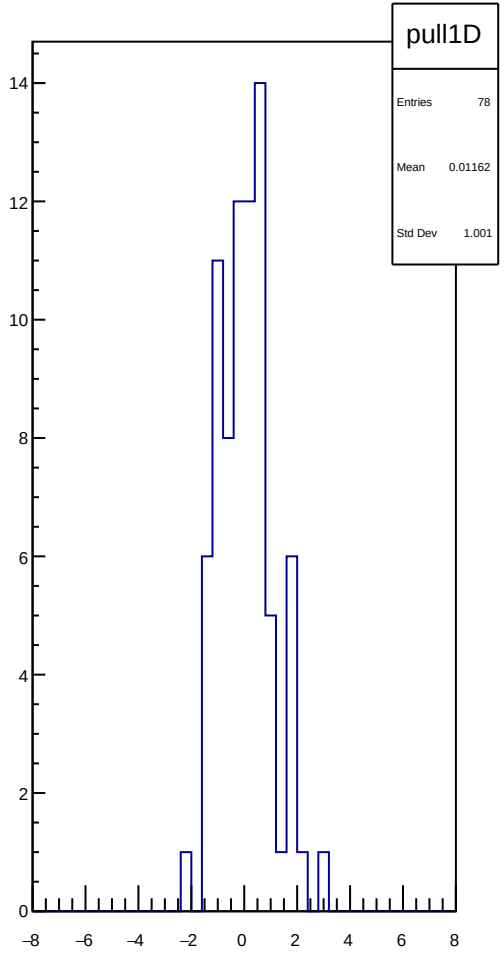

asym_us_avg_rms vs run
χ² / ndf 1271 / 77
p0 1286 ± 1.028
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

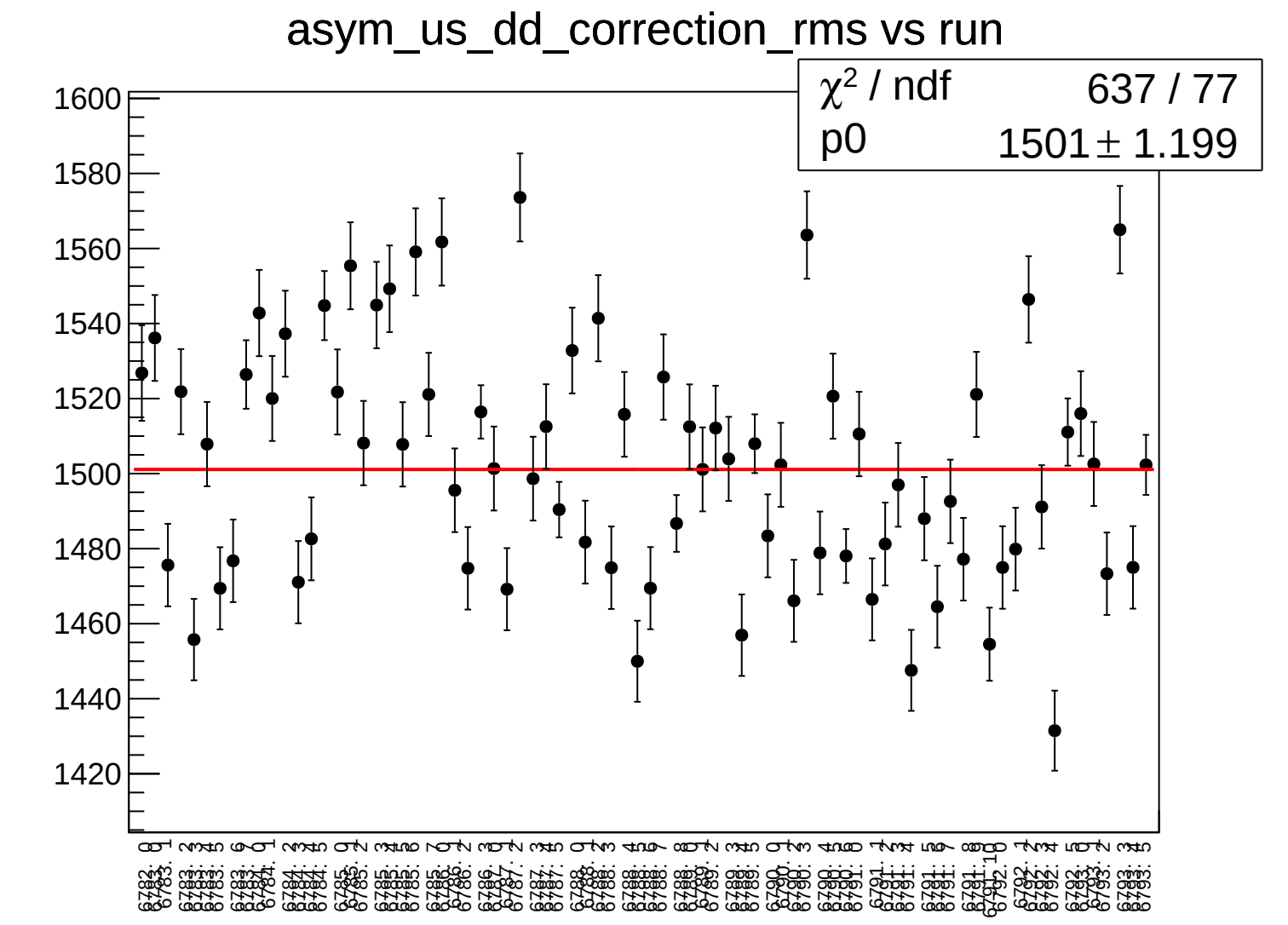

dit_asym_us_dd_mean vs run
χ² / ndf 80.12 / 77
p0 −342 ± 879.9
pull
Entries 78
Mean 327.9
Std Dev 287.1

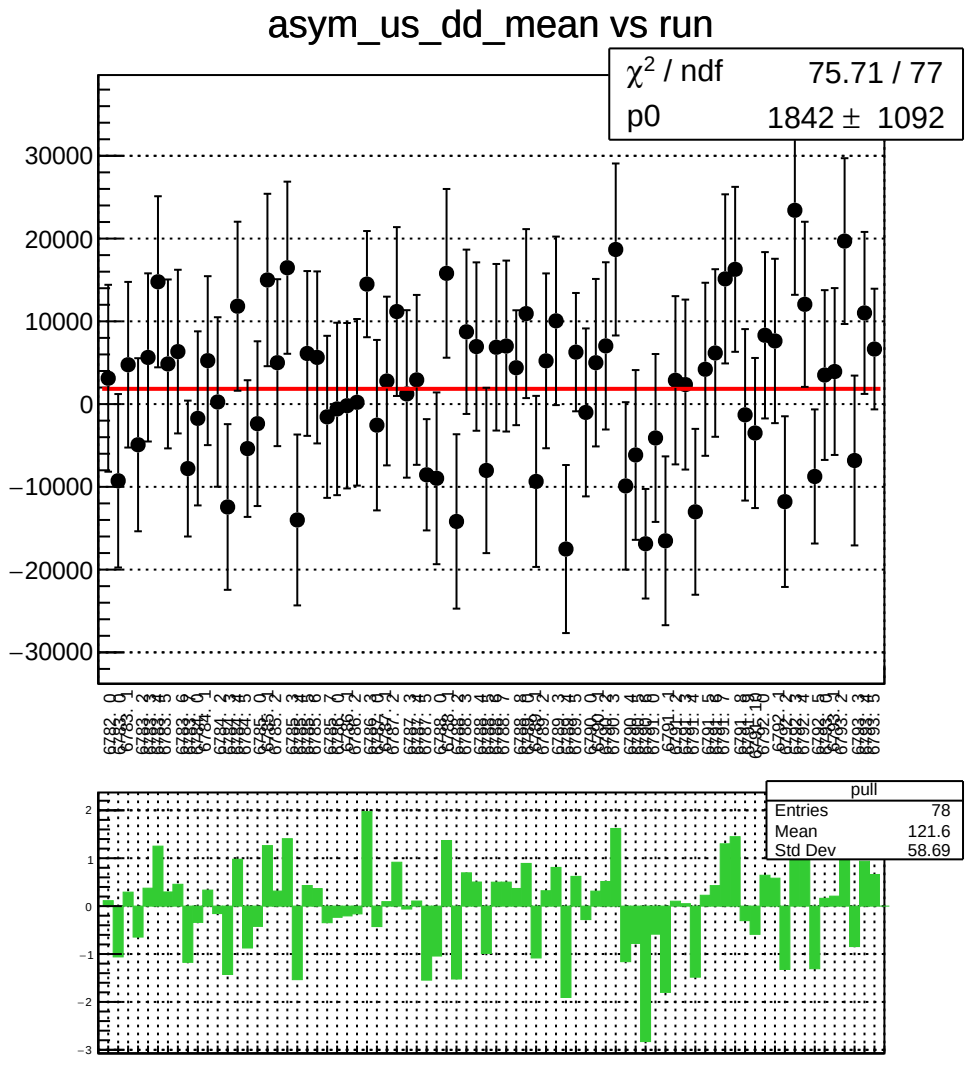

pull1D
Entries 78
Mean 0.01443
Std Dev 1.013

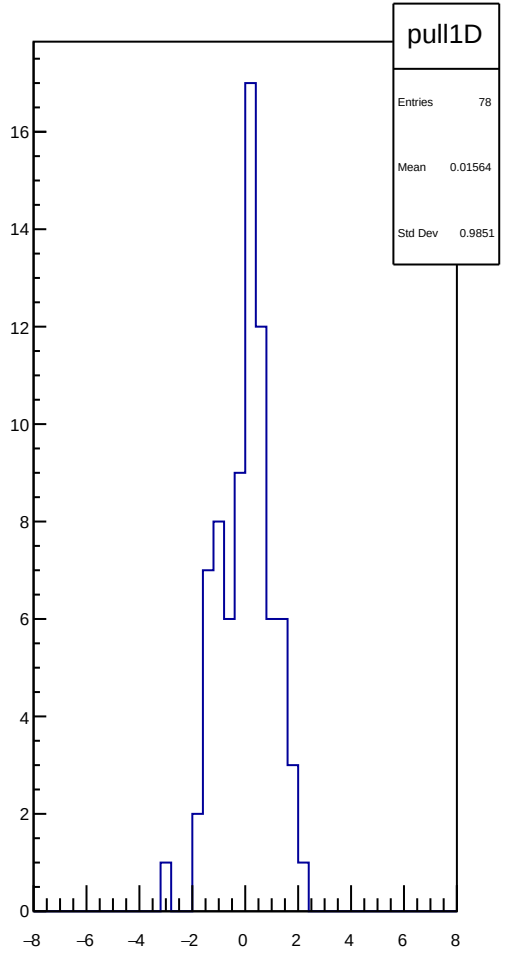

dit_asym_us_dd_rms vs run
χ² / ndf 89.77 / 77
p0 778.9 ± 0.6222
800
795
790
785
780
775
770
765
760

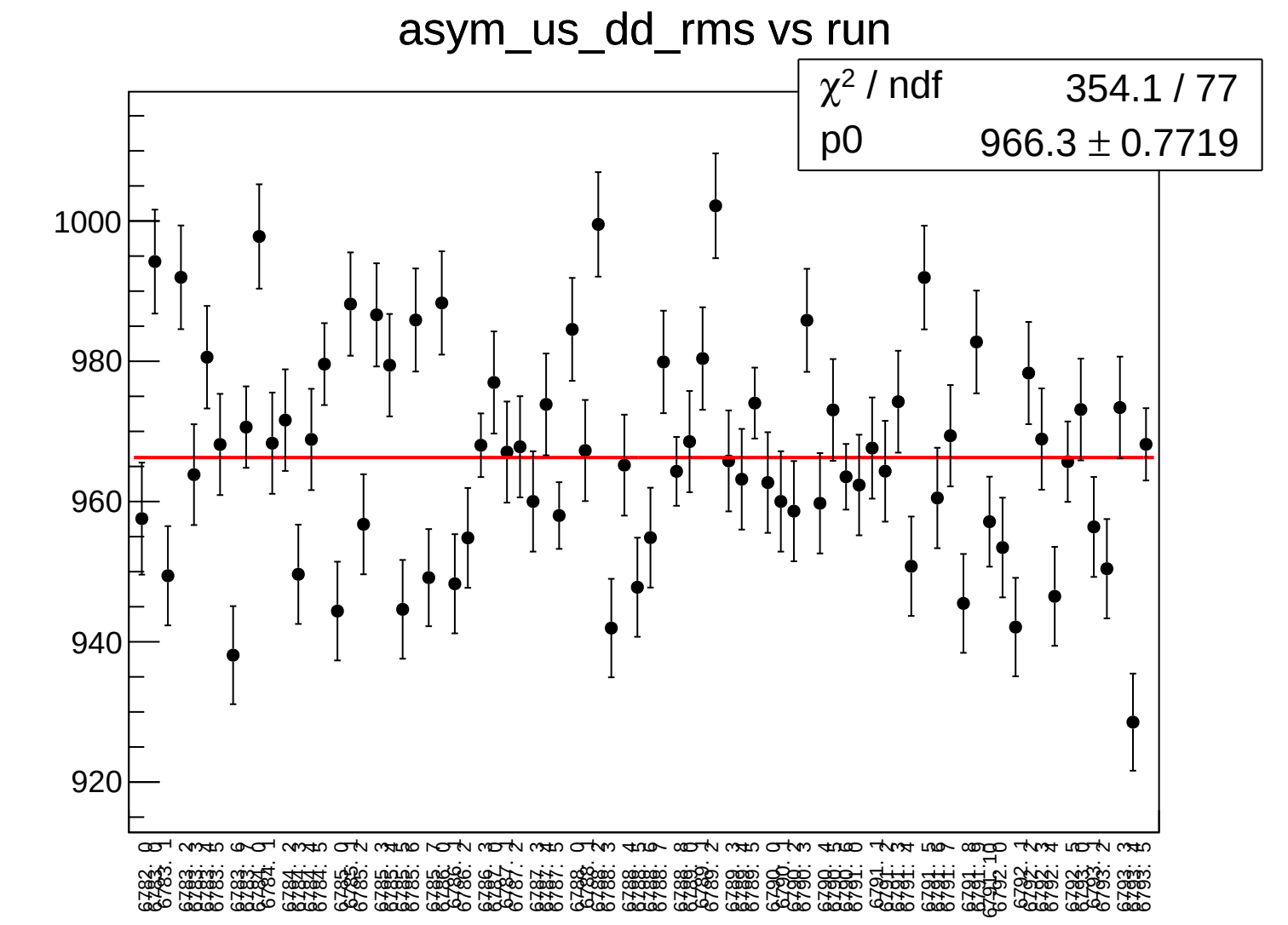

asym_us_dd_correction_mean vs run
χ² / ndf 78.14 / 77
p0 −2029 ± 1696
pull
Entries 78
Mean 555.7
Std Dev 513.1

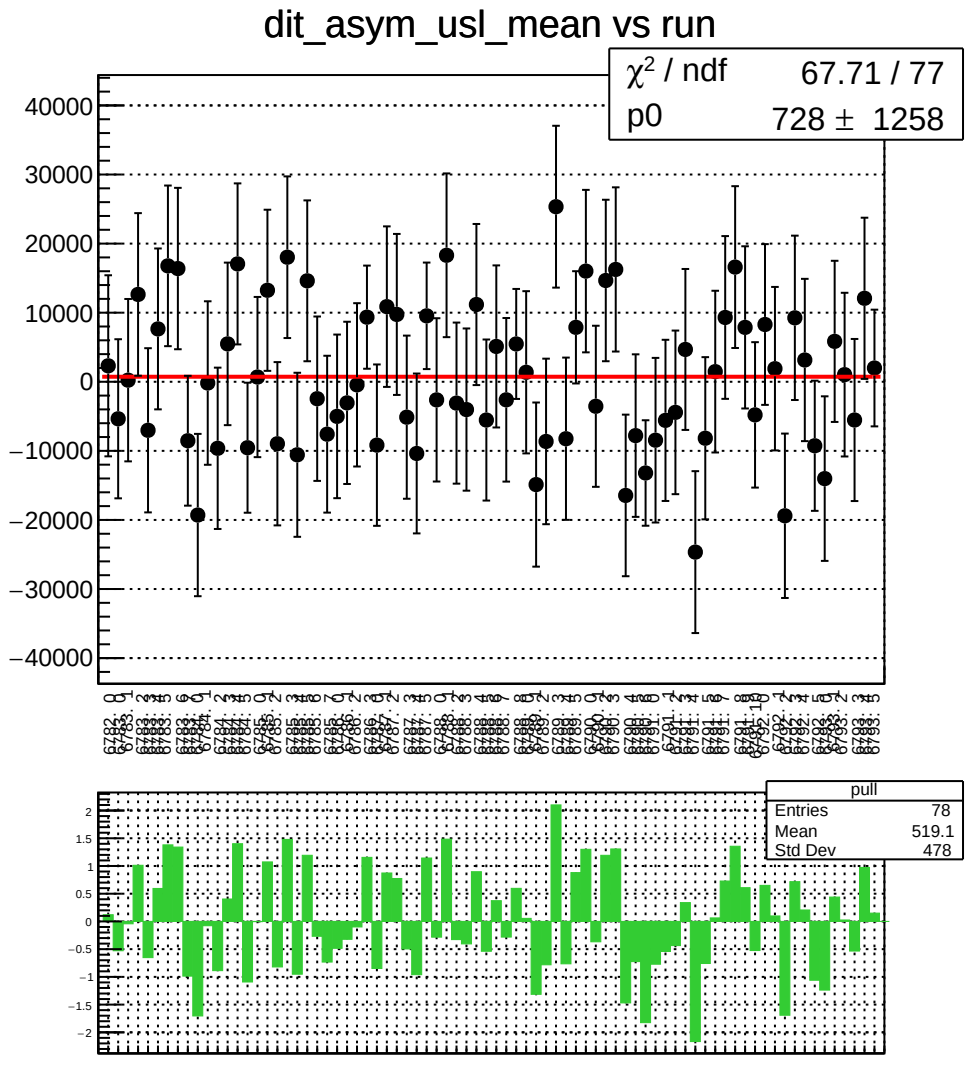

pull1D
Entries 78
Mean 0.01162
Std Dev 1.001

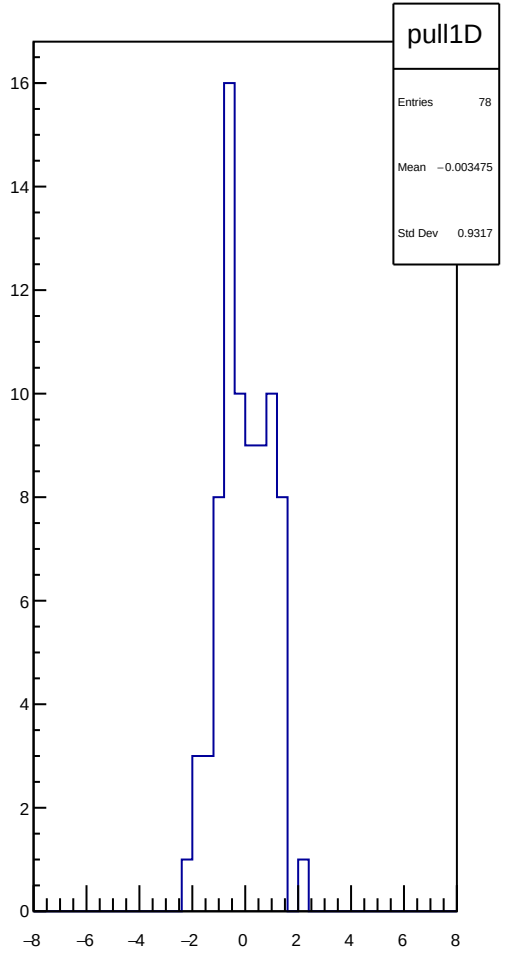

asym_us_dd_correction_rms vs run
χ² / ndf 637 / 77
p0 1501 ± 1.199
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420

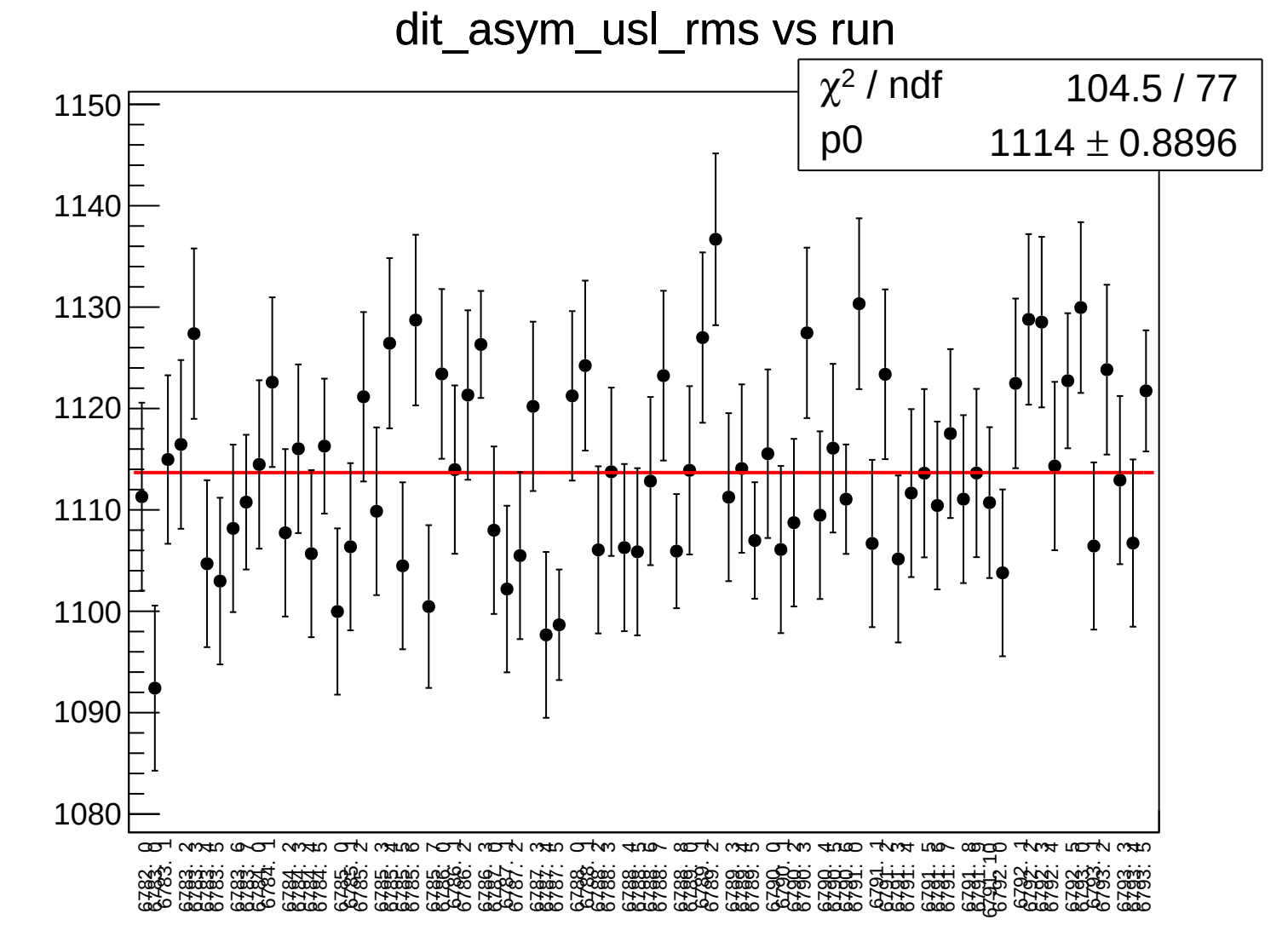

asym_us_dd_mean vs run
χ² / ndf 75.71 / 77
p0 1842 ± 1092
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 121.6
Std Dev 58.69
2
1
0
−1
−2
−3

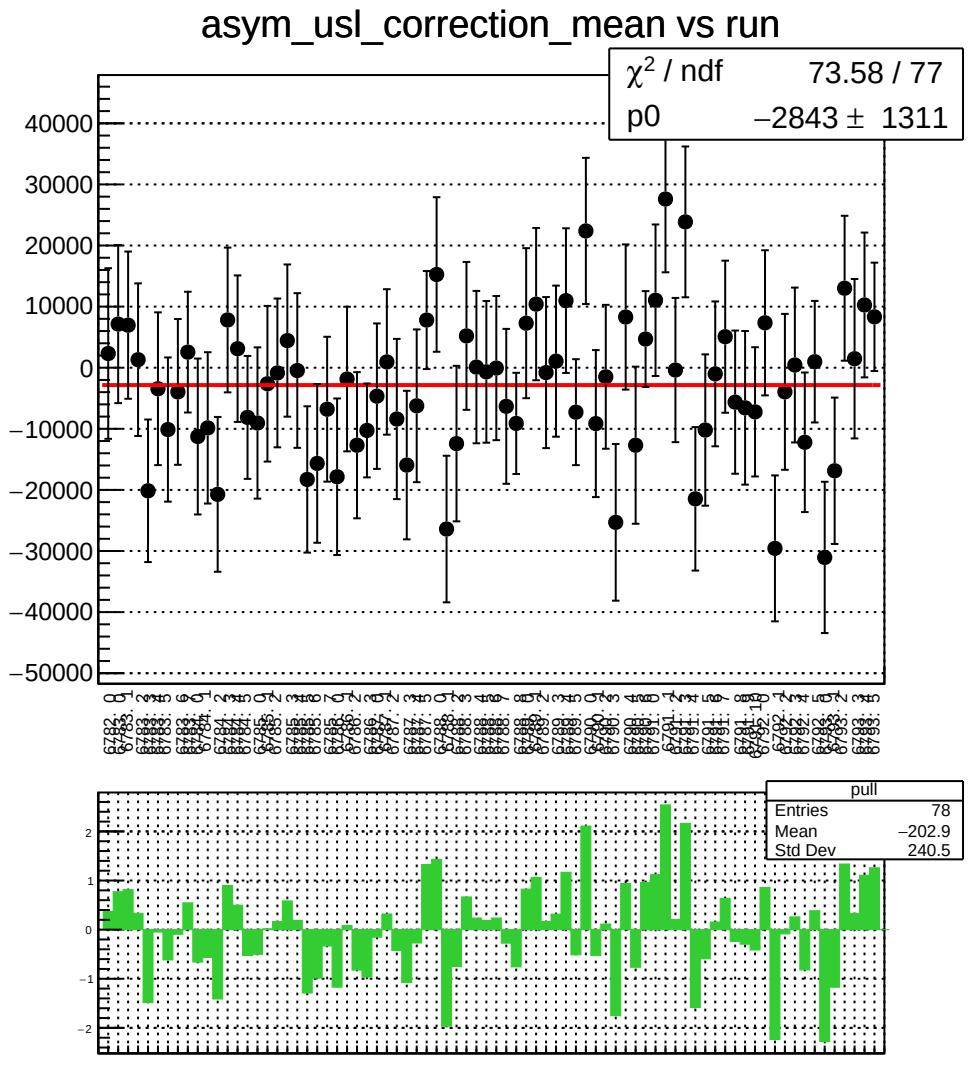

pull1D
Entries 78
Mean 0.01564
Std Dev 0.9851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

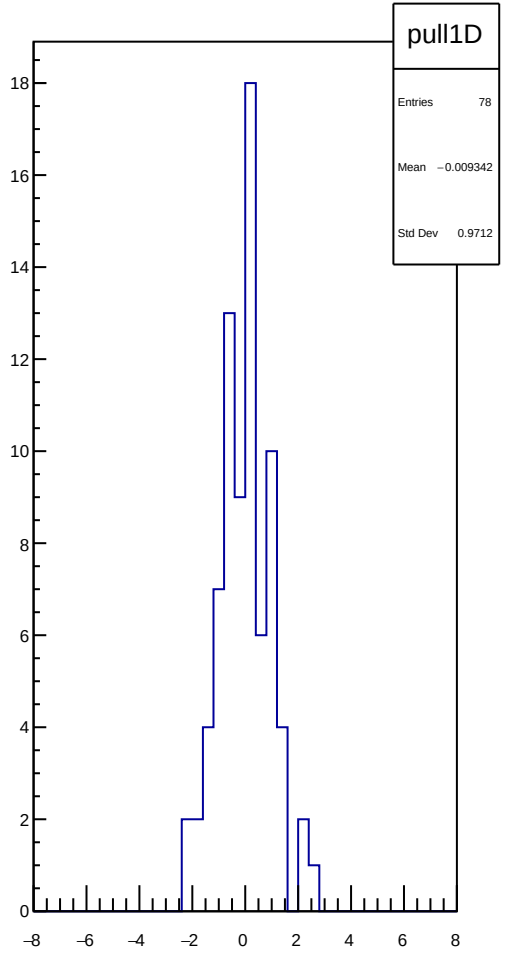

asym_us_dd_rms vs run
χ² / ndf 354.1 / 77
p0 966.3 ± 0.7719
1000
980
960
940
920

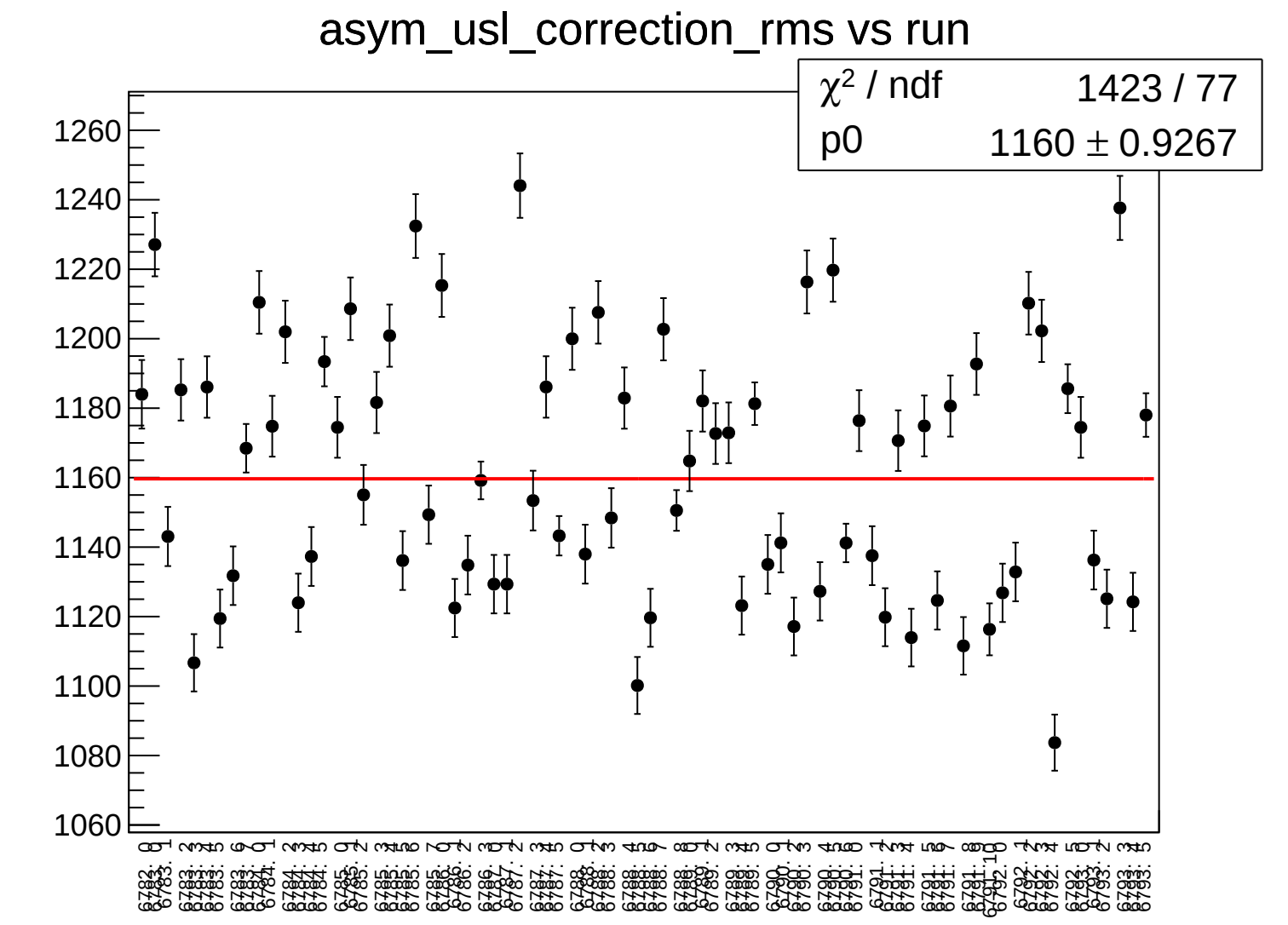

dit_asym_usl_mean vs run
χ² / ndf 67.71 / 77
p0 728 ± 1258
pull
Entries 78
Mean 519.1
Std Dev 478

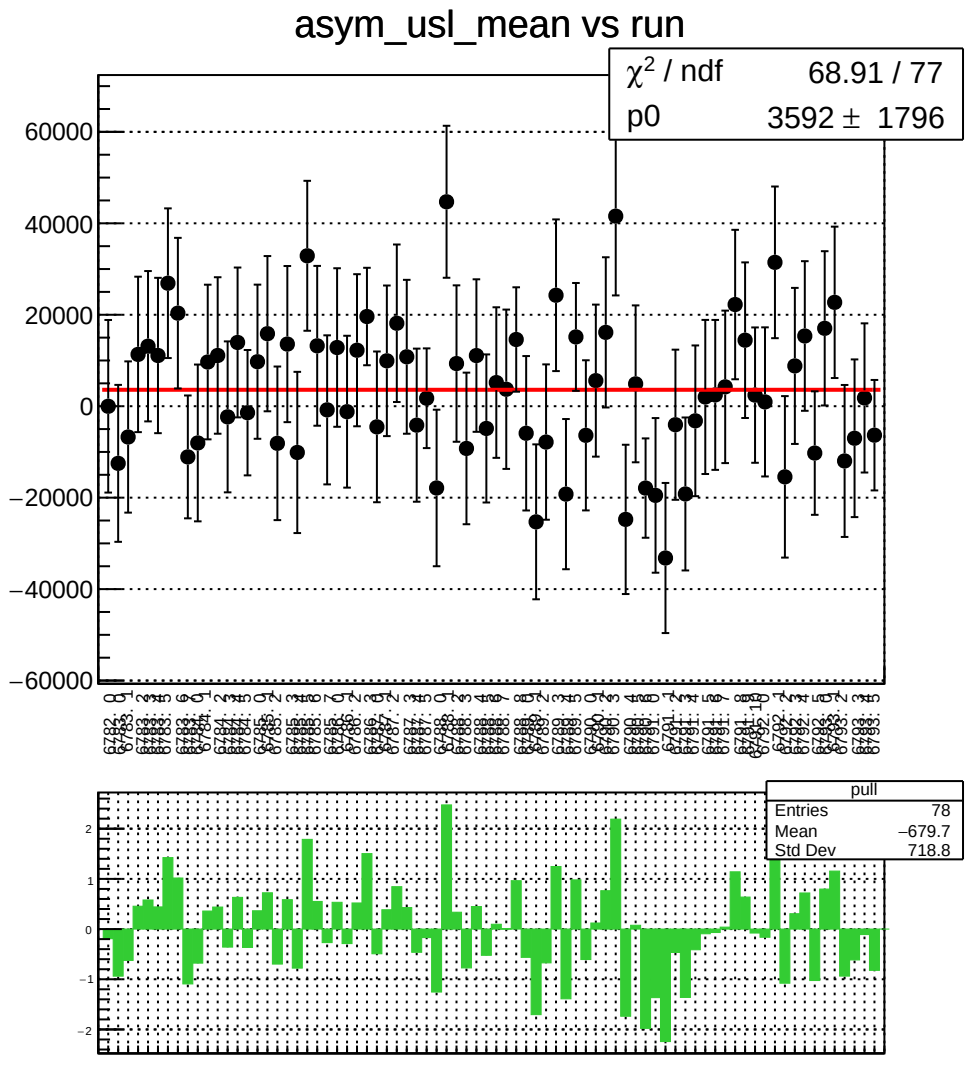

pull1D
Entries 78
Mean −0.003475
Std Dev 0.9317

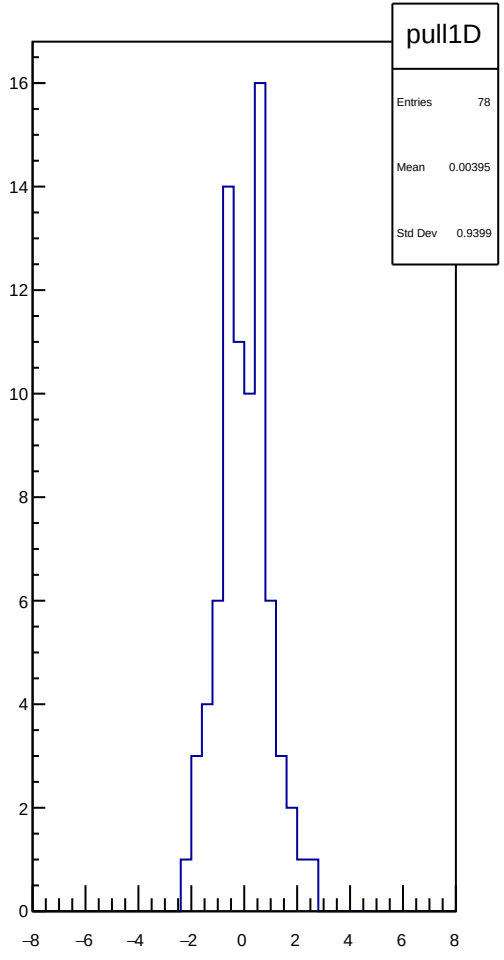

dit_asym_usl_rms vs run
χ² / ndf 104.5 / 77
p0 1114 ± 0.8896
1150
1140
1130
1120
1110
1100
1090
1080

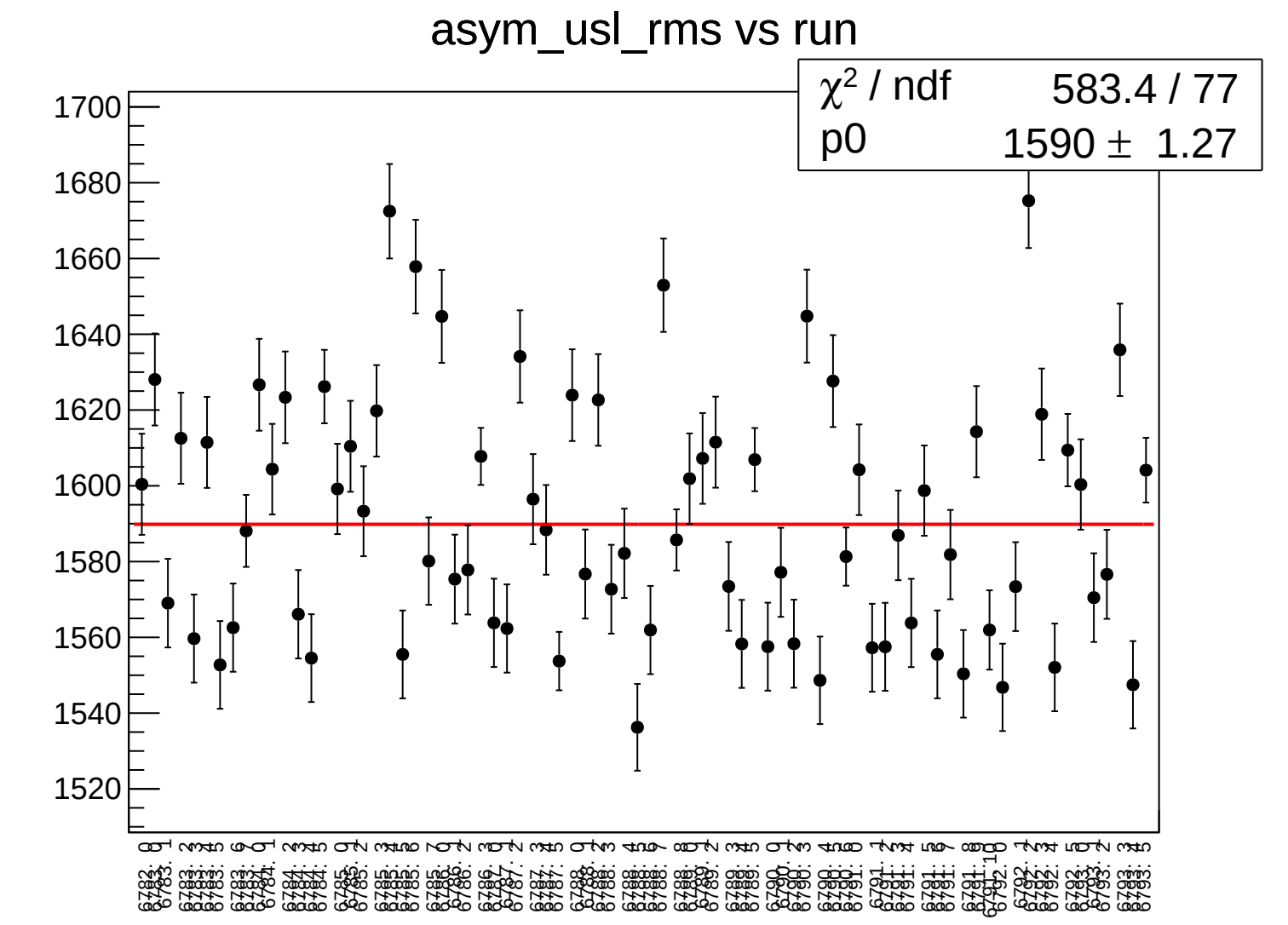

asym_usl_correction_mean vs run
χ² / ndf 73.58 / 77
p0 −2843 ± 1311
pull
Entries 78
Mean −202.9
Std Dev 240.5

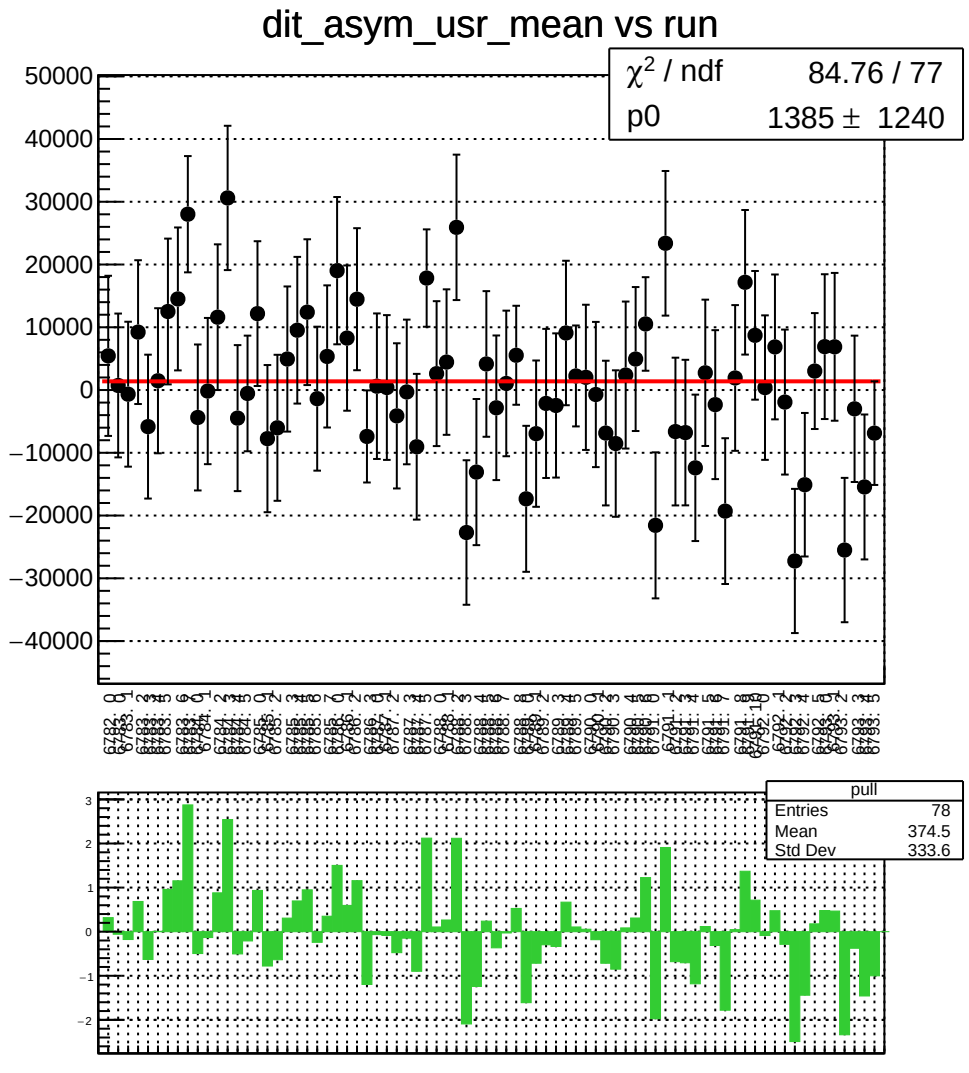

pull1D
Entries 78
Mean −0.009342
Std Dev 0.9712

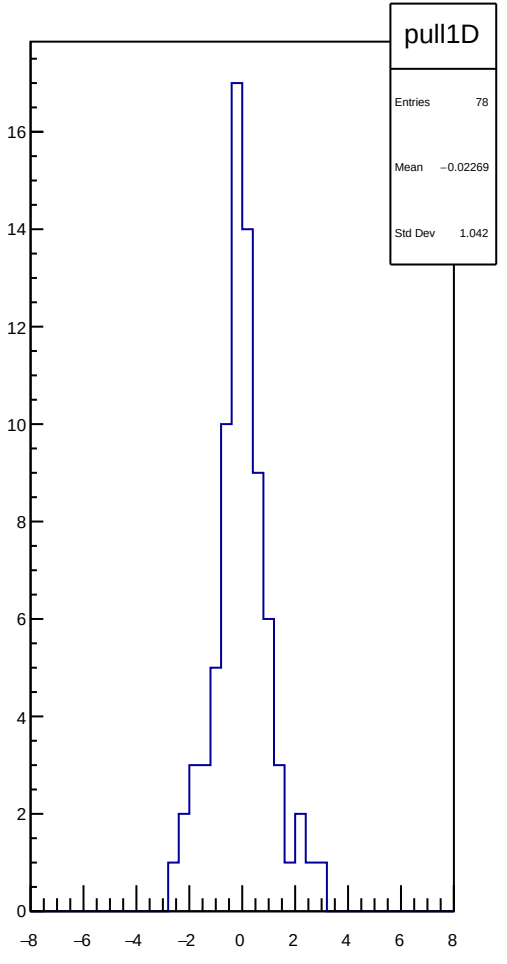

asym_usl_correction_rms vs run
χ² / ndf 1423 / 77
p0 1160 ± 0.9267
1260
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060

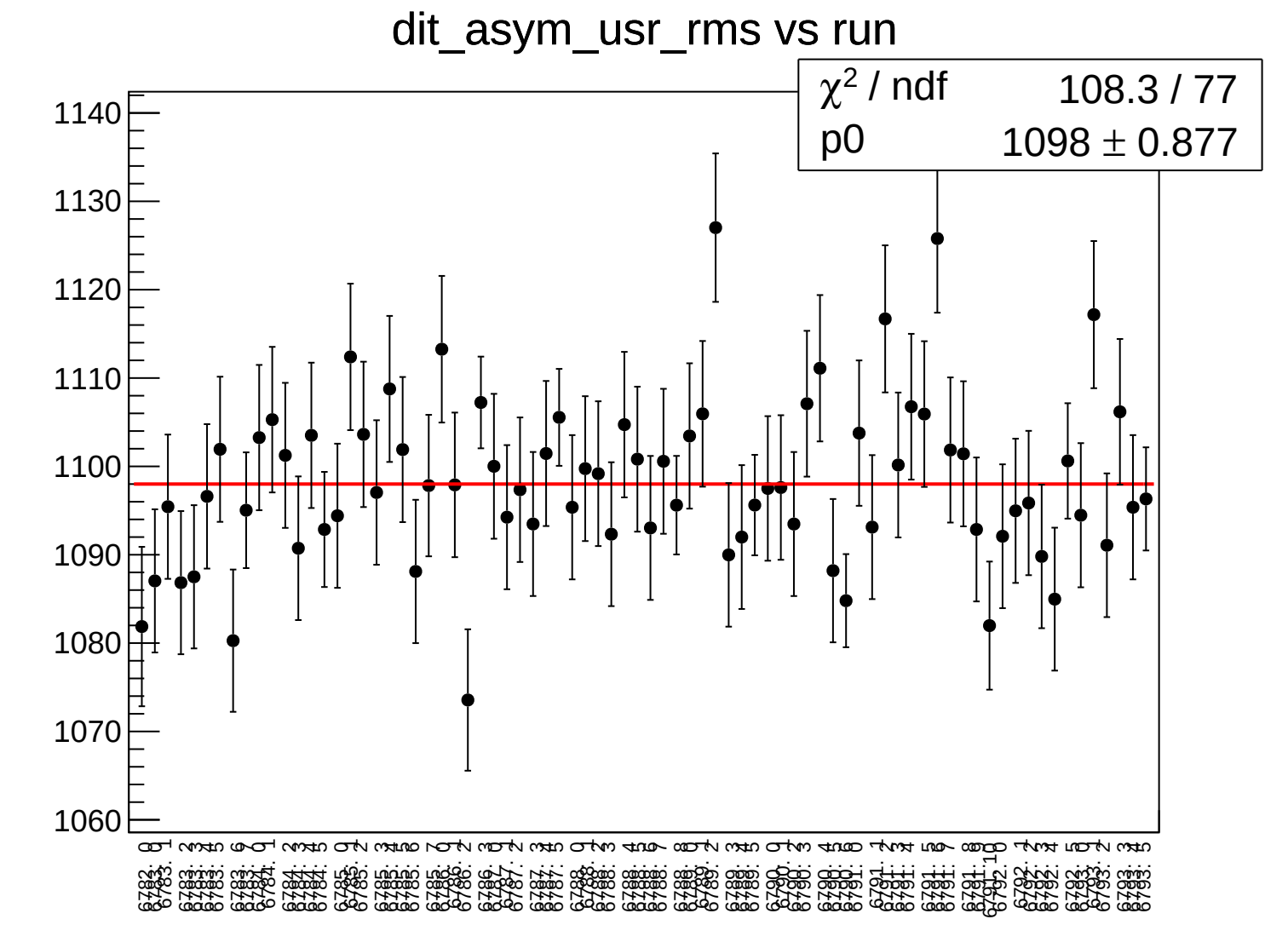

asym_usl_mean vs run
χ² / ndf 68.91 / 77
p0 3592 ± 1796
pull
Entries 78
Mean −679.7
Std Dev 718.8

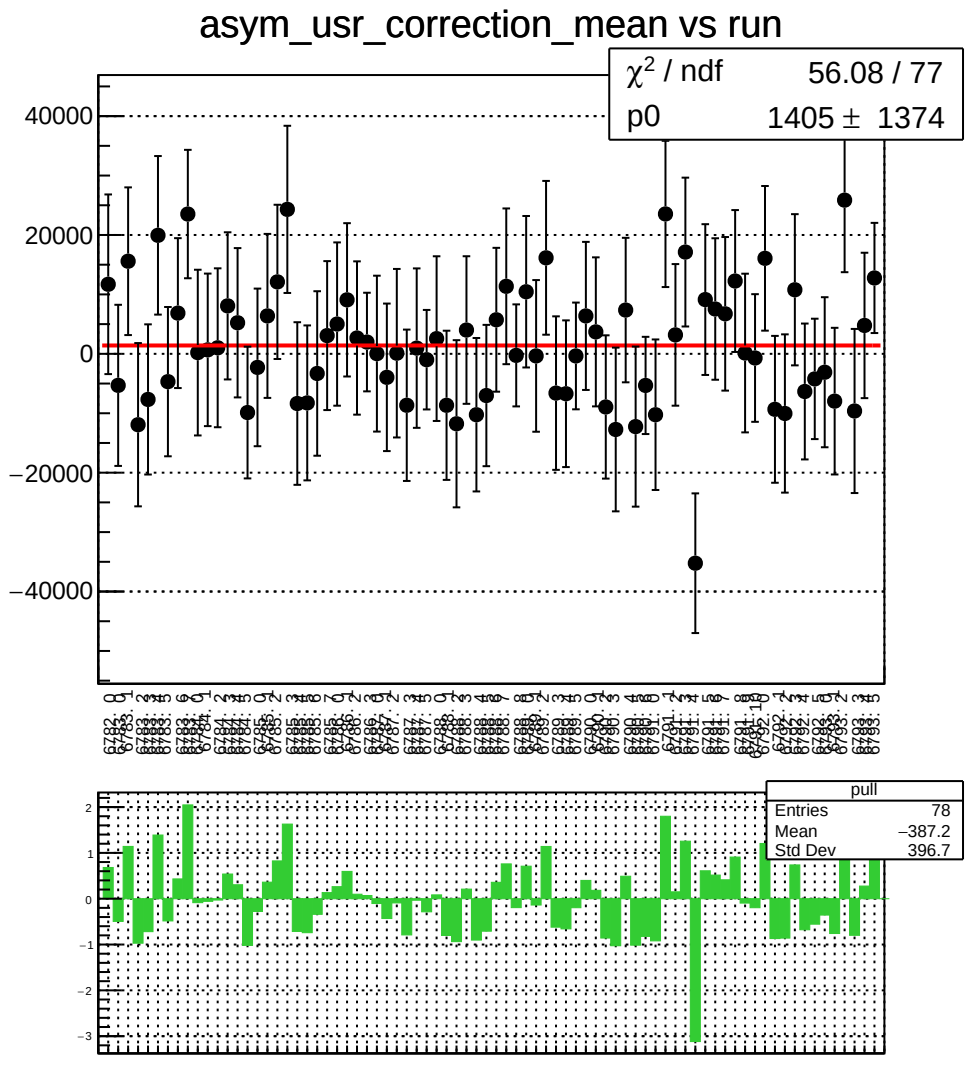

pull1D
Entries 78
Mean 0.00395
Std Dev 0.9399

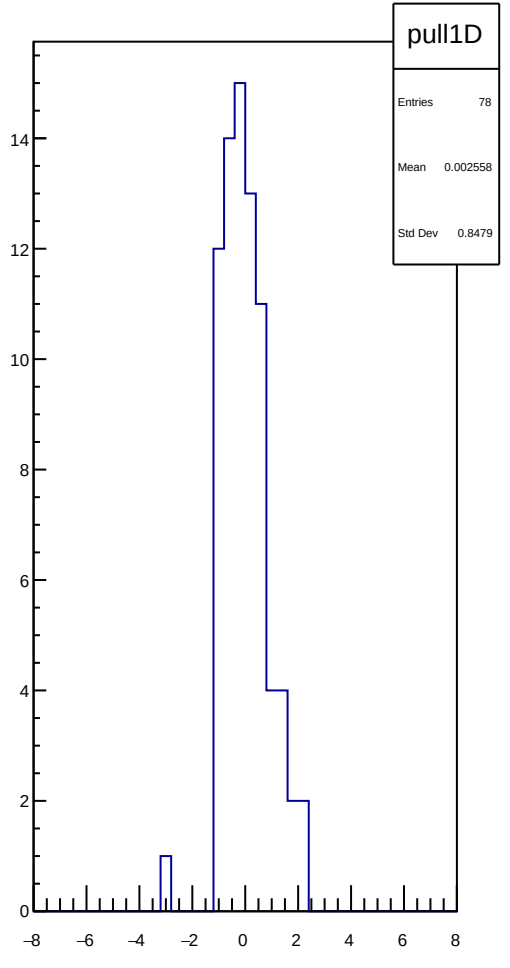

asym_usl_rms vs run
χ² / ndf 583.4 / 77
p0 1590 ± 1.27
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

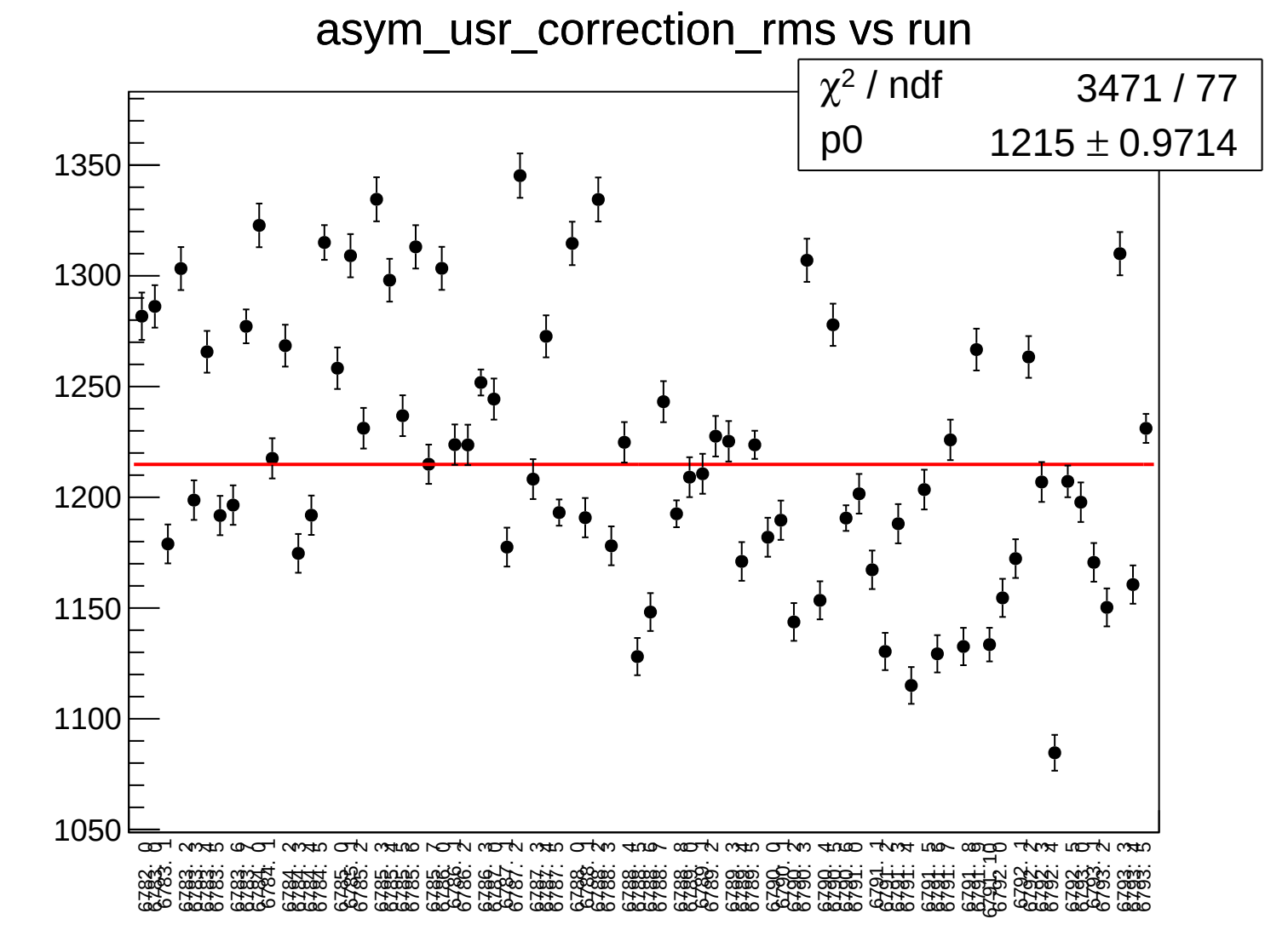

dit_asym_usr_mean vs run
χ² / ndf 84.76 / 77
p0 1385 ± 1240
pull
Entries 78
Mean 374.5
Std Dev 333.6

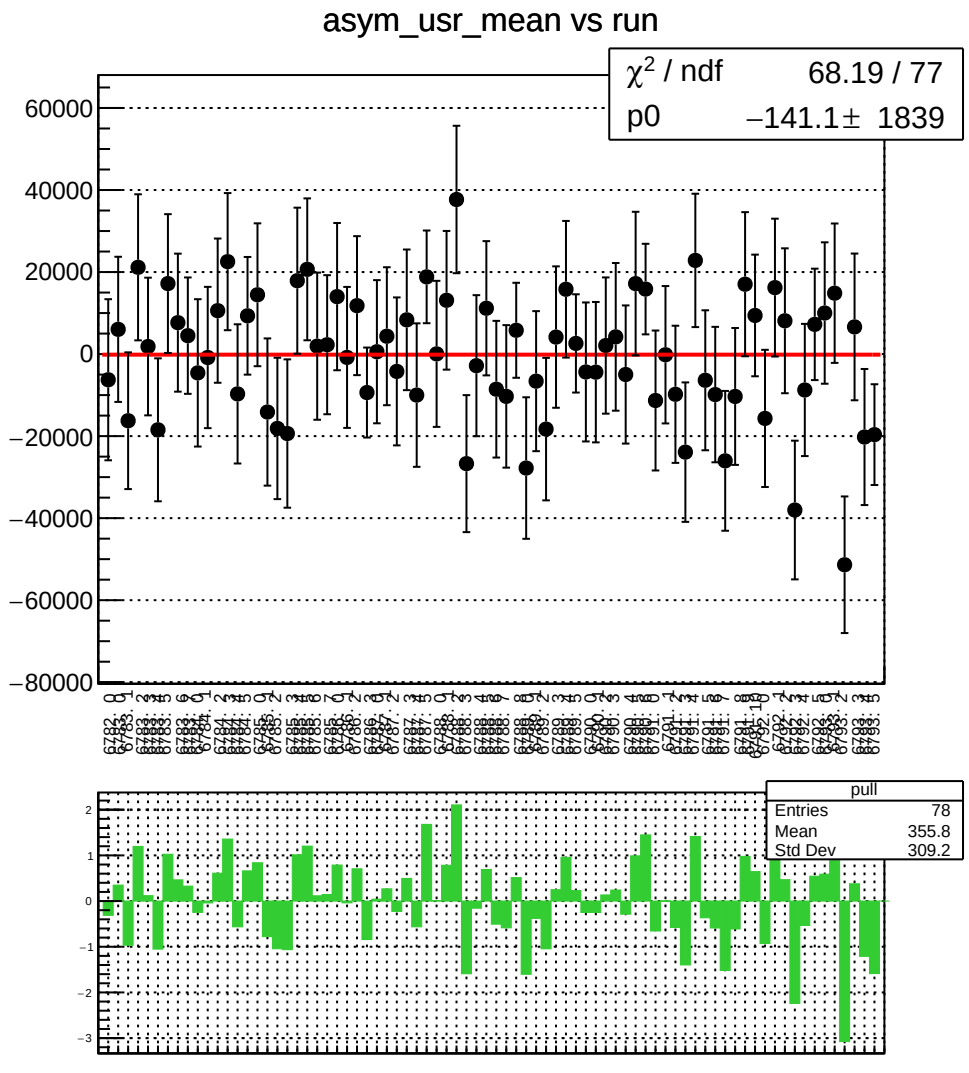

pull1D
Entries 78
Mean −0.02269
Std Dev 1.042

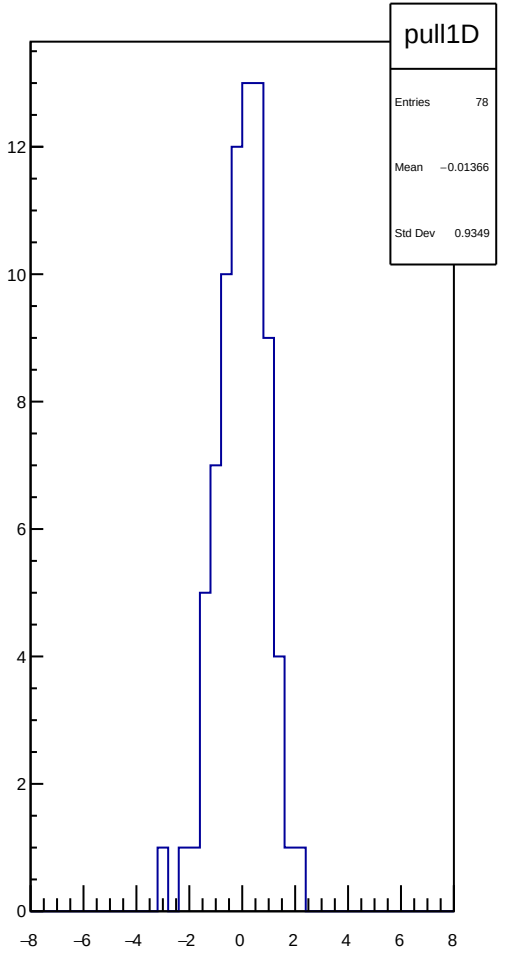

dit_asym_usr_rms vs run
χ² / ndf 108.3 / 77
p0 1098 ± 0.877
1140
1130
1120
1110
1100
1090
1080
1070
1060

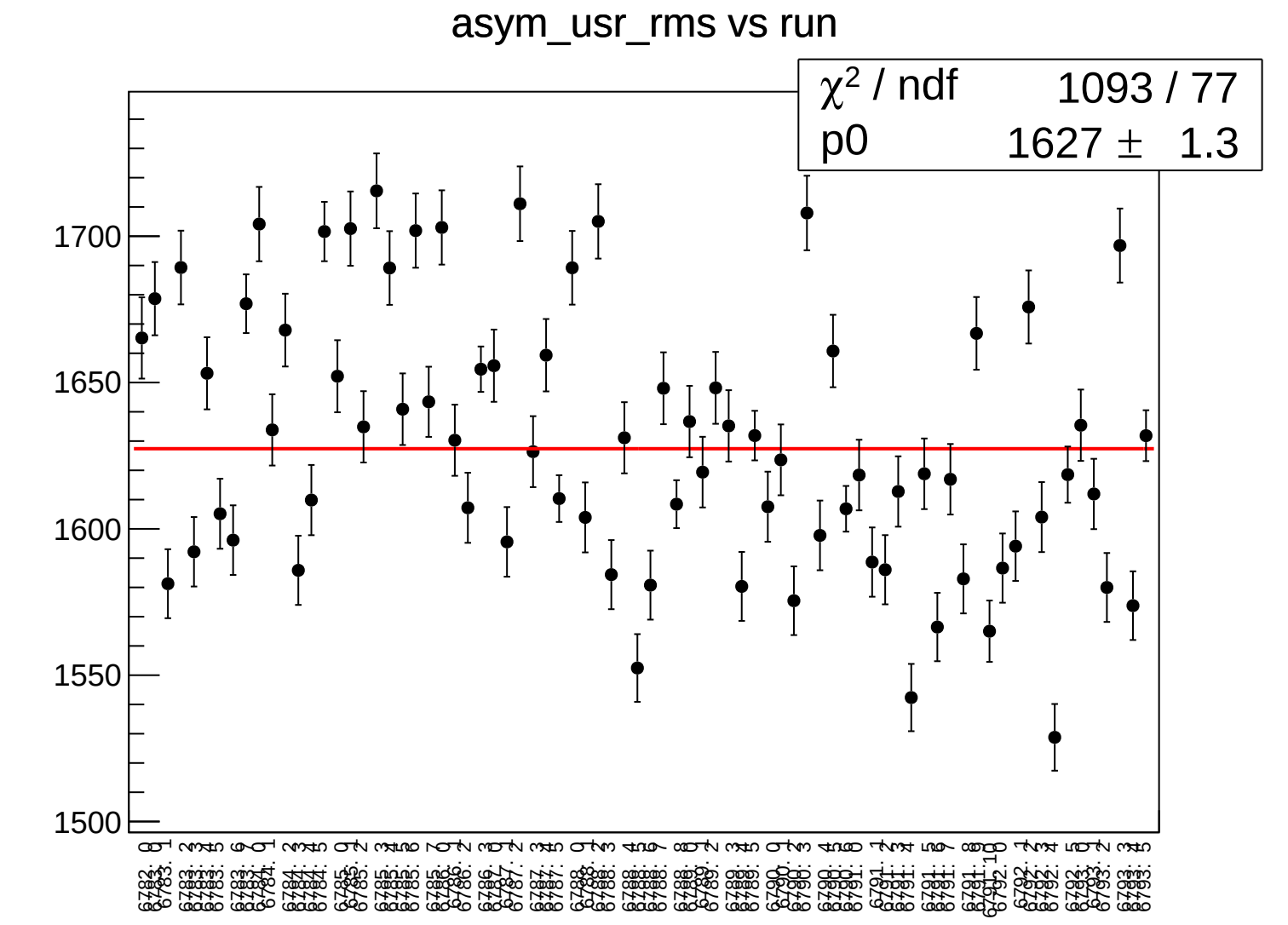

asym_usr_correction_mean vs run
χ² / ndf 56.08 / 77
p0 1405 ± 1374
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −387.2
Std Dev 396.7
2
1
0
−1
−2
−3

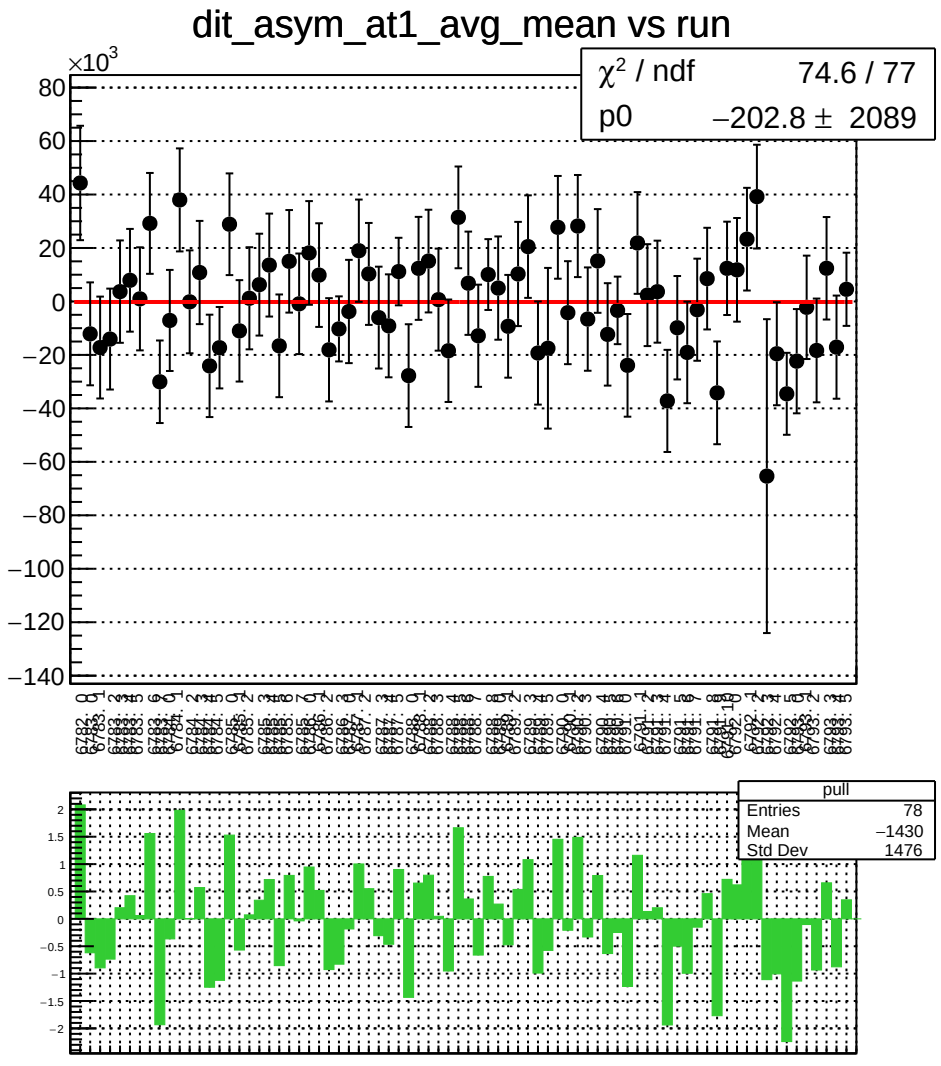

pull1D
Entries 78
Mean 0.002558
Std Dev 0.8479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

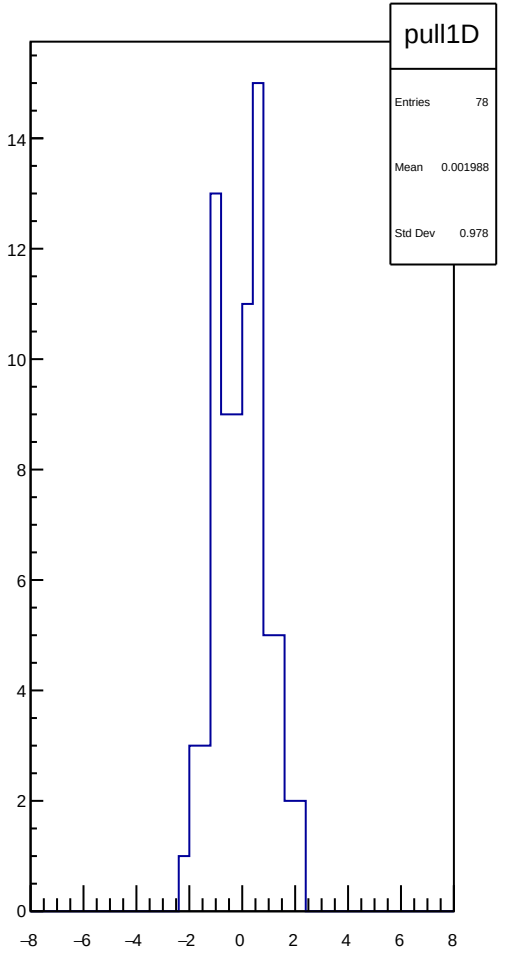

asym_usr_correction_rms vs run
χ² / ndf 3471 / 77
p0 1215 ± 0.9714
1350
1300
1250
1200
1150
1100
1050

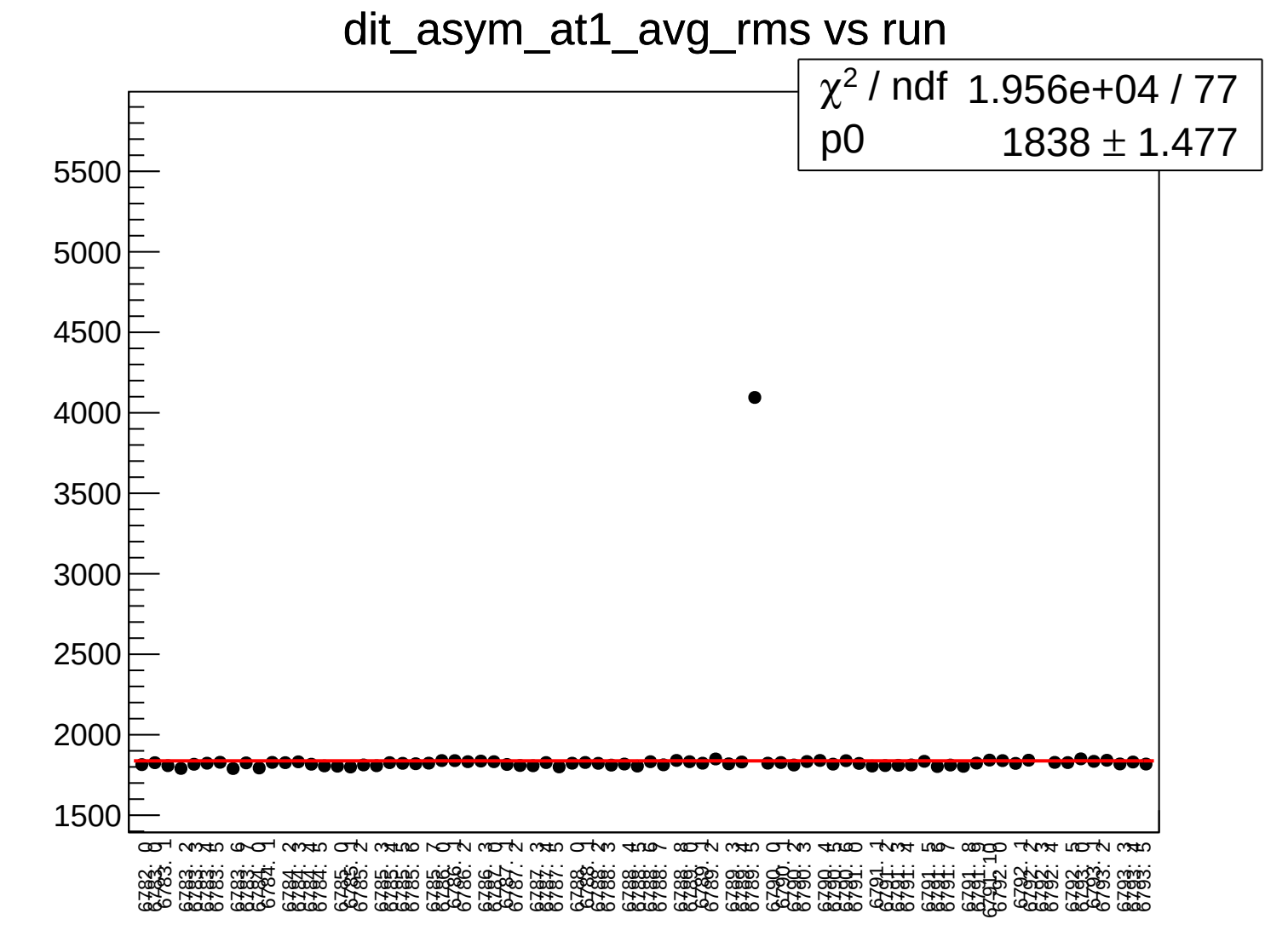

asym_usr_mean vs run
χ² / ndf 68.19 / 77
p0 −141.1± 1839
pull
Entries 78
Mean 355.8
Std Dev 309.2

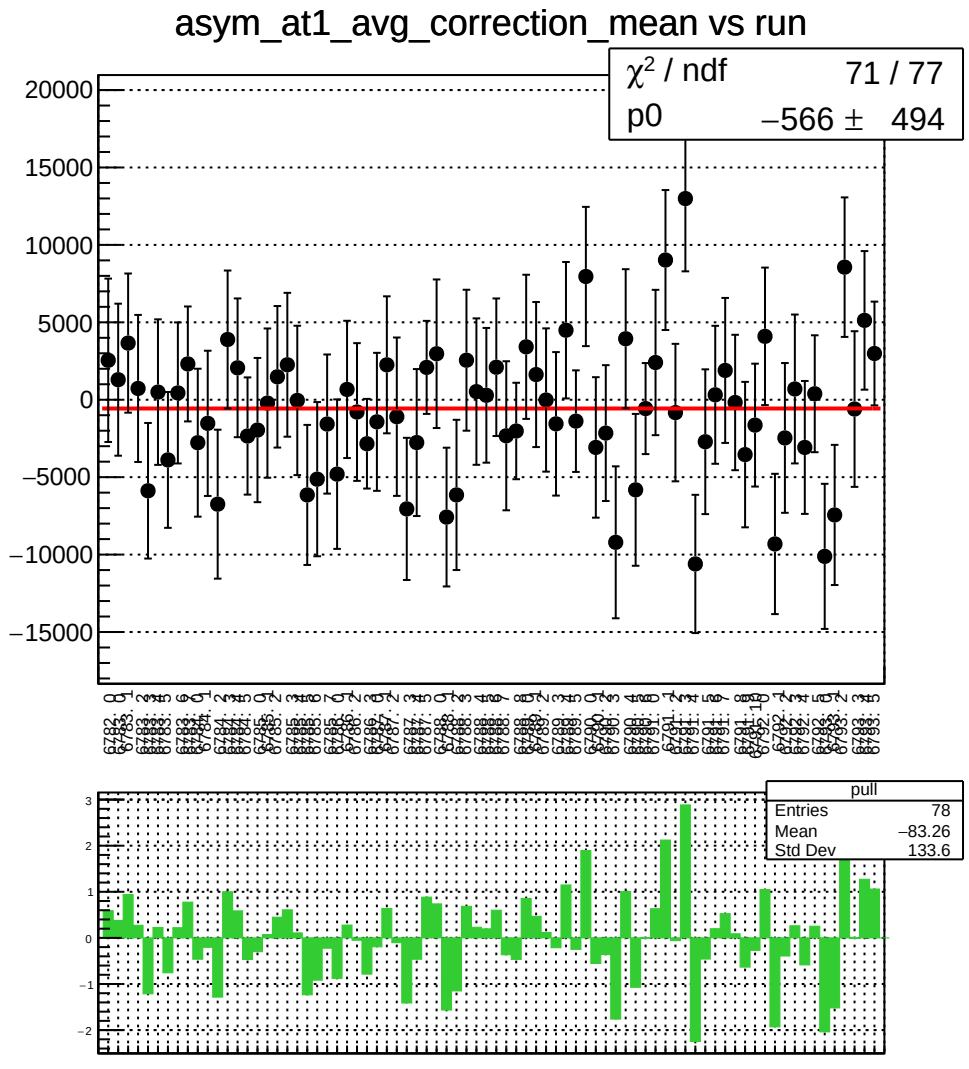

pull1D
Entries 78
Mean −0.01366
Std Dev 0.9349

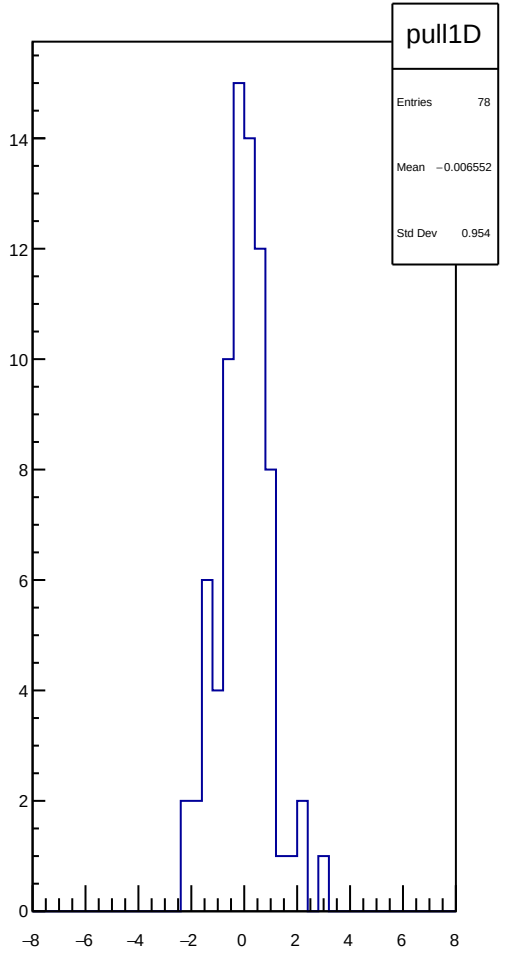

asym_usr_rms vs run
χ² / ndf 1093 / 77
p0 1627 ± 1.3
1700
1650
1600
1550
1500

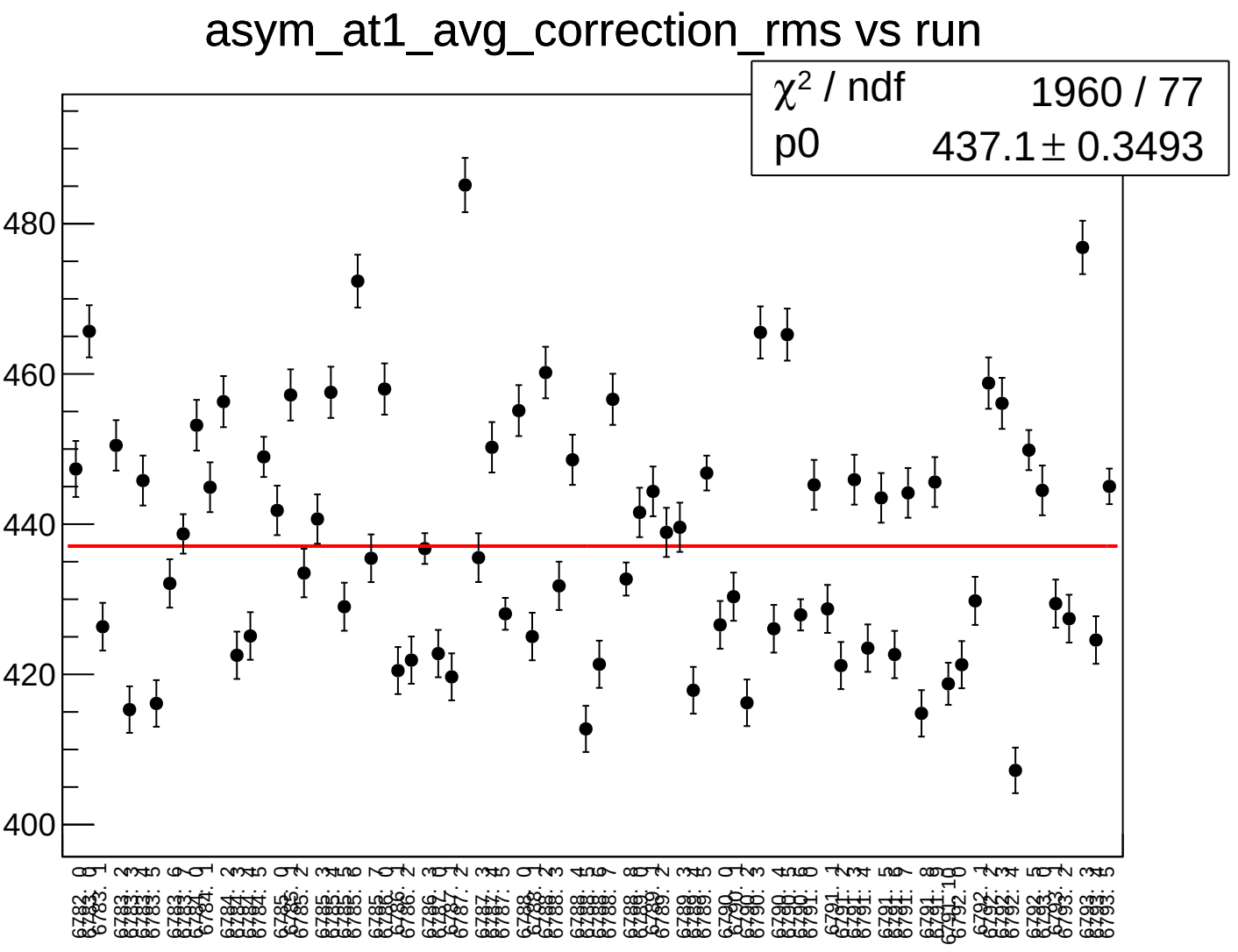

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 74.6 / 77
p0 −202.8 ± 2089
pull
Entries 78
Mean −1430
Std Dev 1476

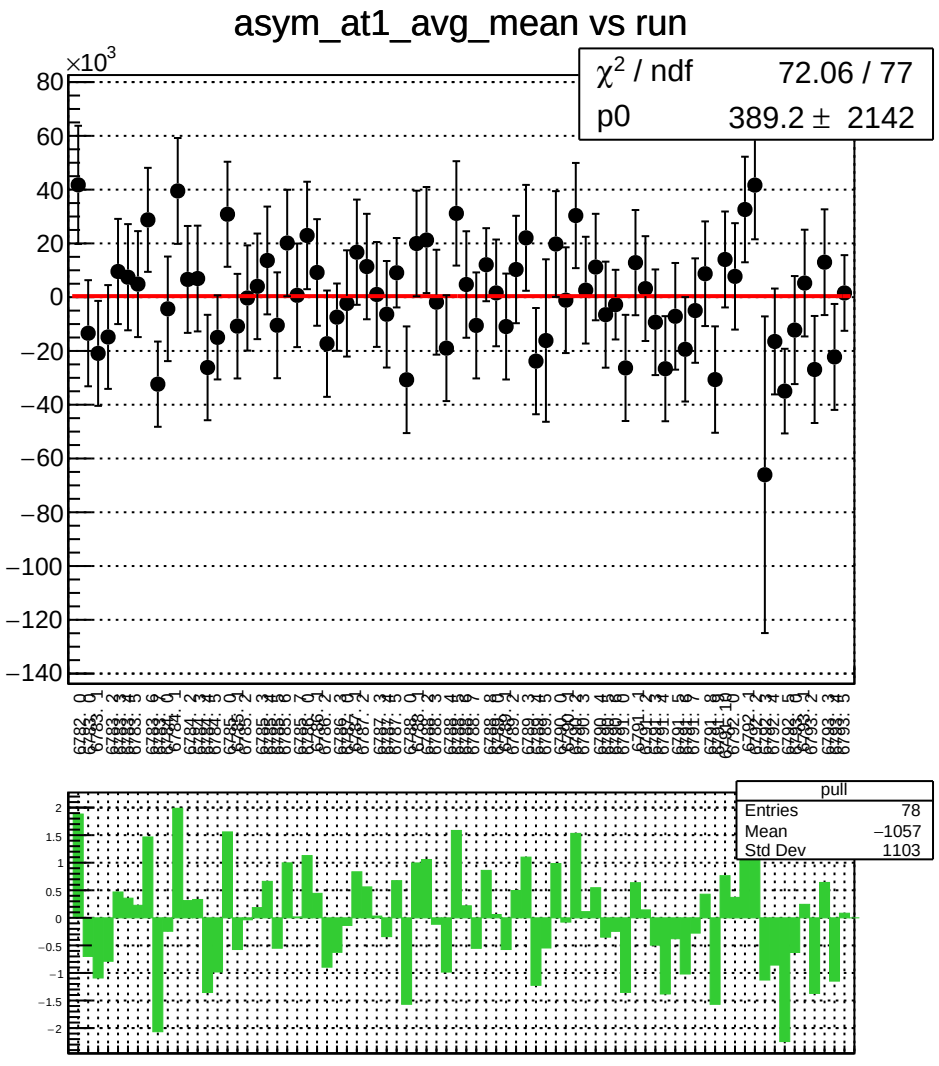

pull1D
Entries 78
Mean 0.001988
Std Dev 0.978

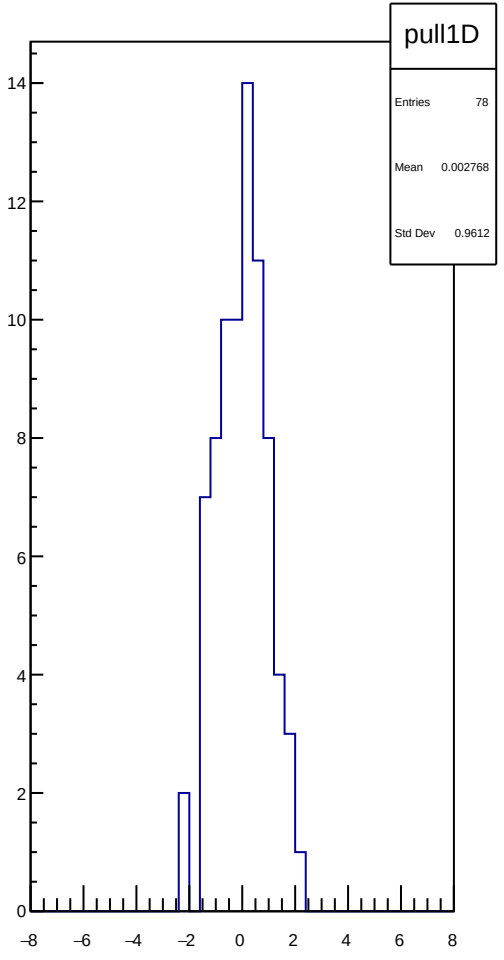

dit_asym_at1_avg_rms vs run
χ² / ndf 1.956e+04 / 77
p0 1838 ± 1.477
5500
5000
4500
4000
3500
3000
2500
2000
1500

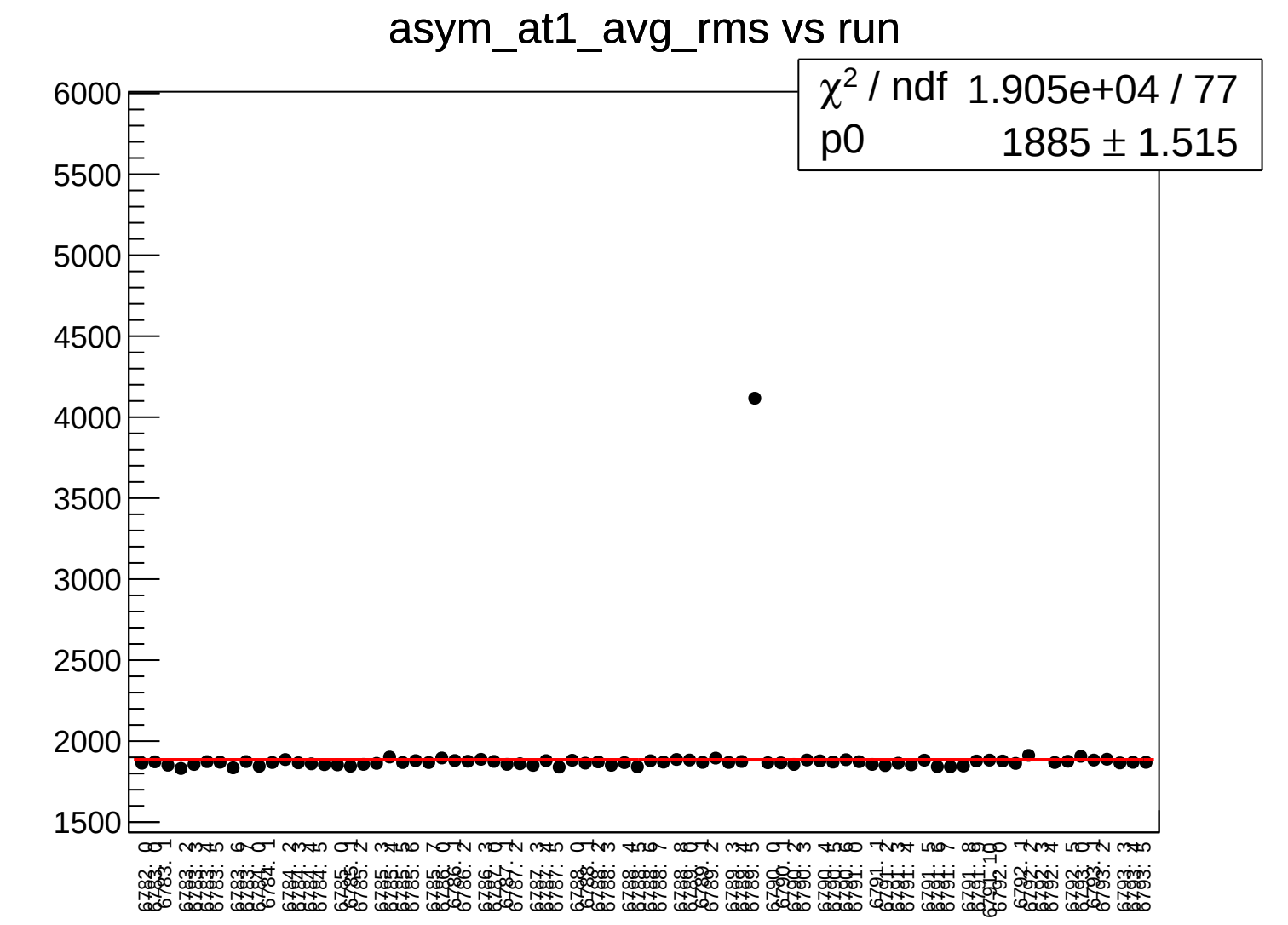

asym_at1_avg_correction_mean vs run
χ² / ndf 71 / 77
p0 −566 ± 494
pull
Entries 78
Mean −83.26
Std Dev 133.6

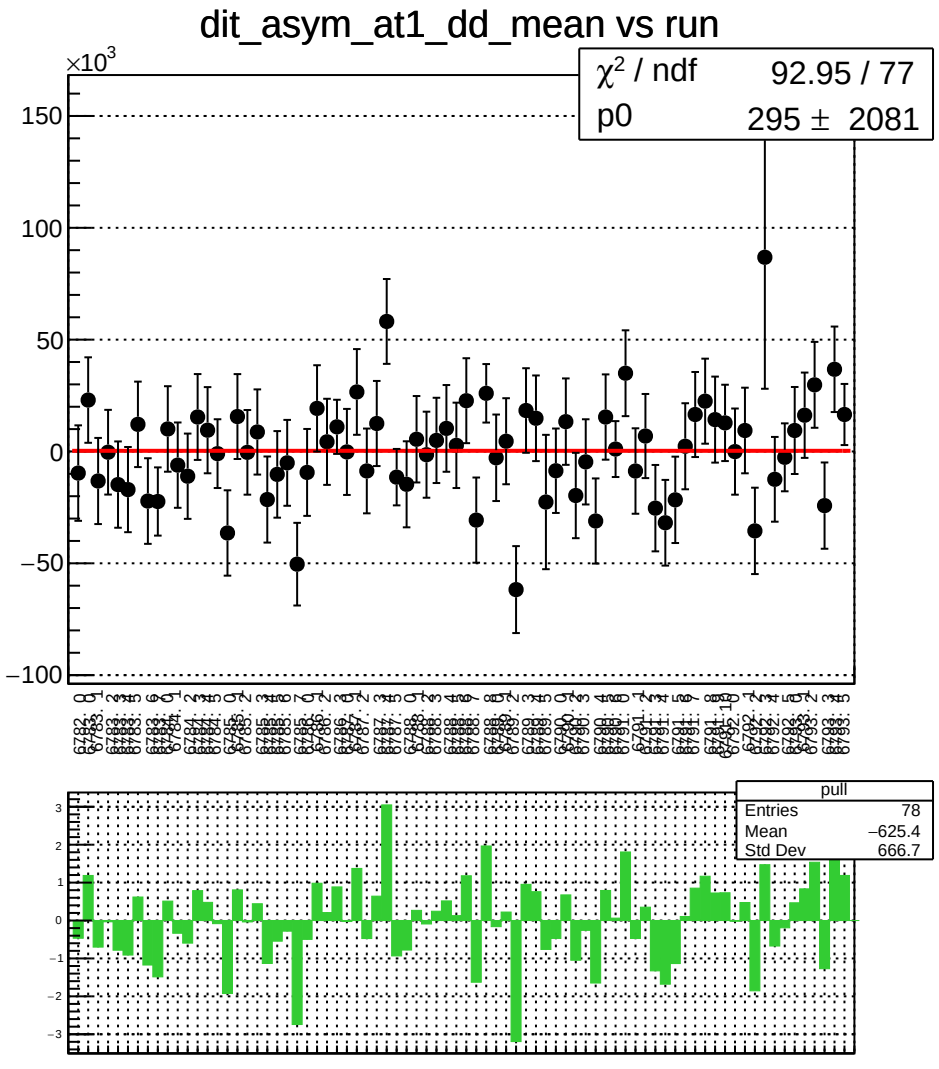

pull1D
Entries 78
Mean −0.006552
Std Dev 0.954

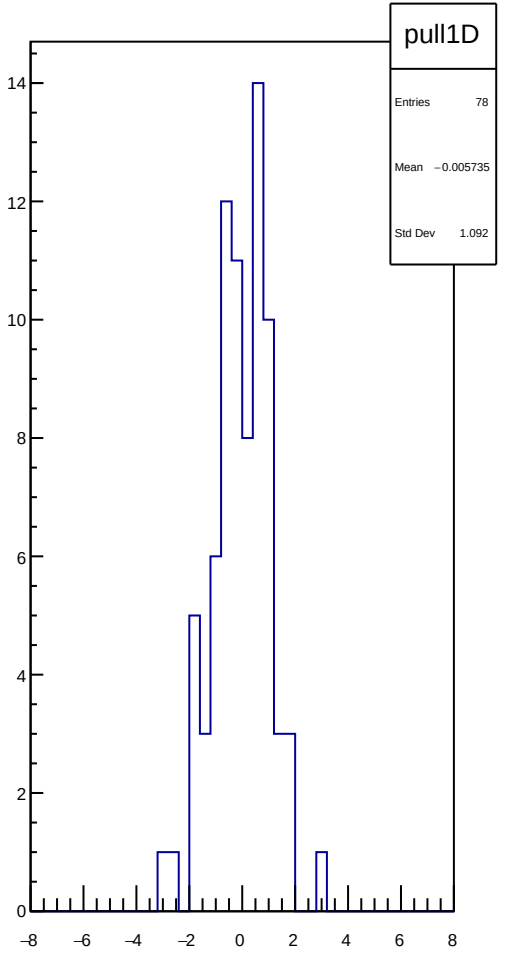

asym_at1_avg_correction_rms vs run
χ² / ndf 1960 / 77
p0 437.1 ± 0.3493
480
460
440
420
400

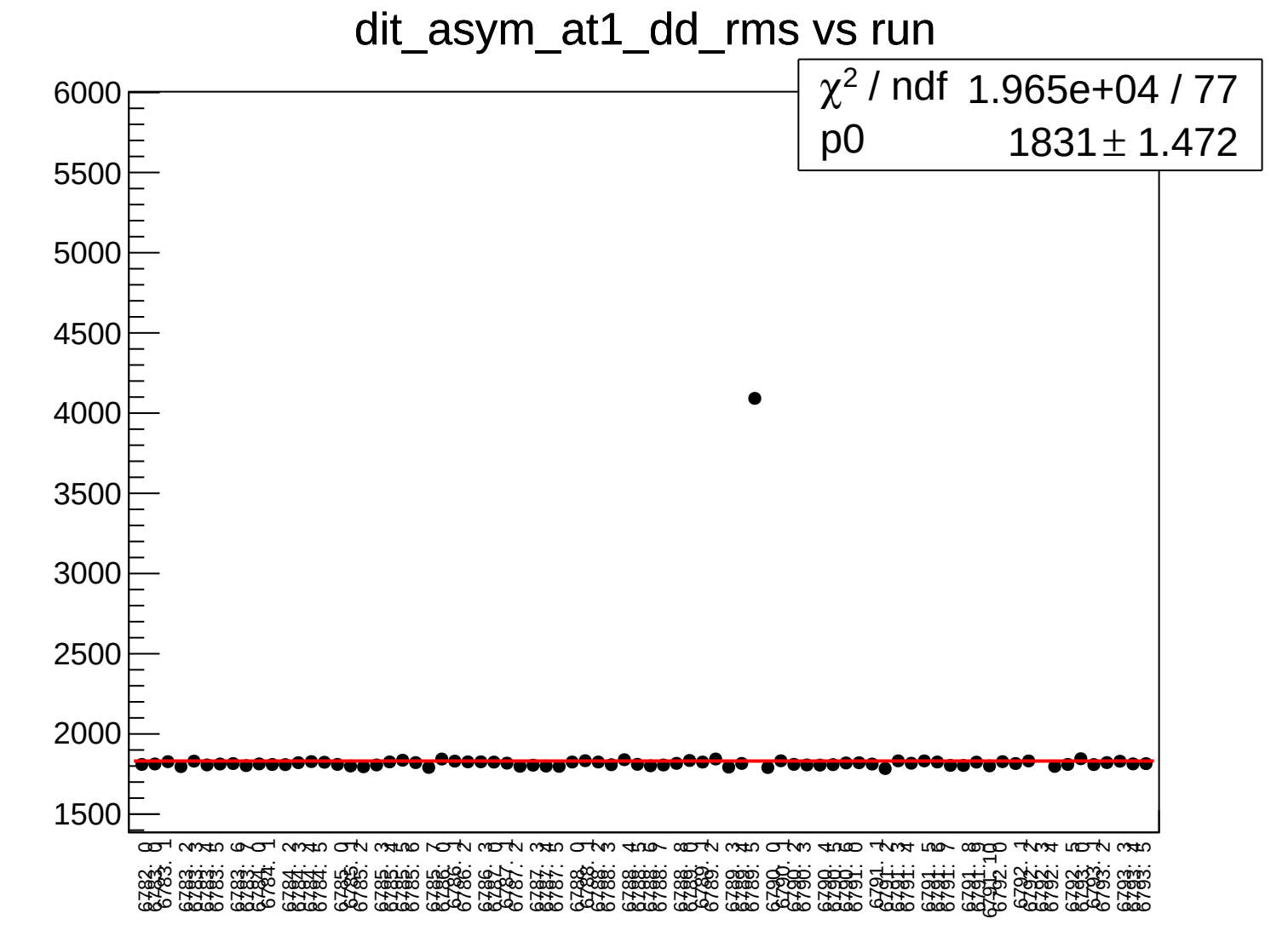

asym_at1_avg_mean vs run
χ^2 / ndf 72.06 / 77
p0 389.2 ± 2142
×10^3
pull
Entries 78
Mean −1057
Std Dev 1103

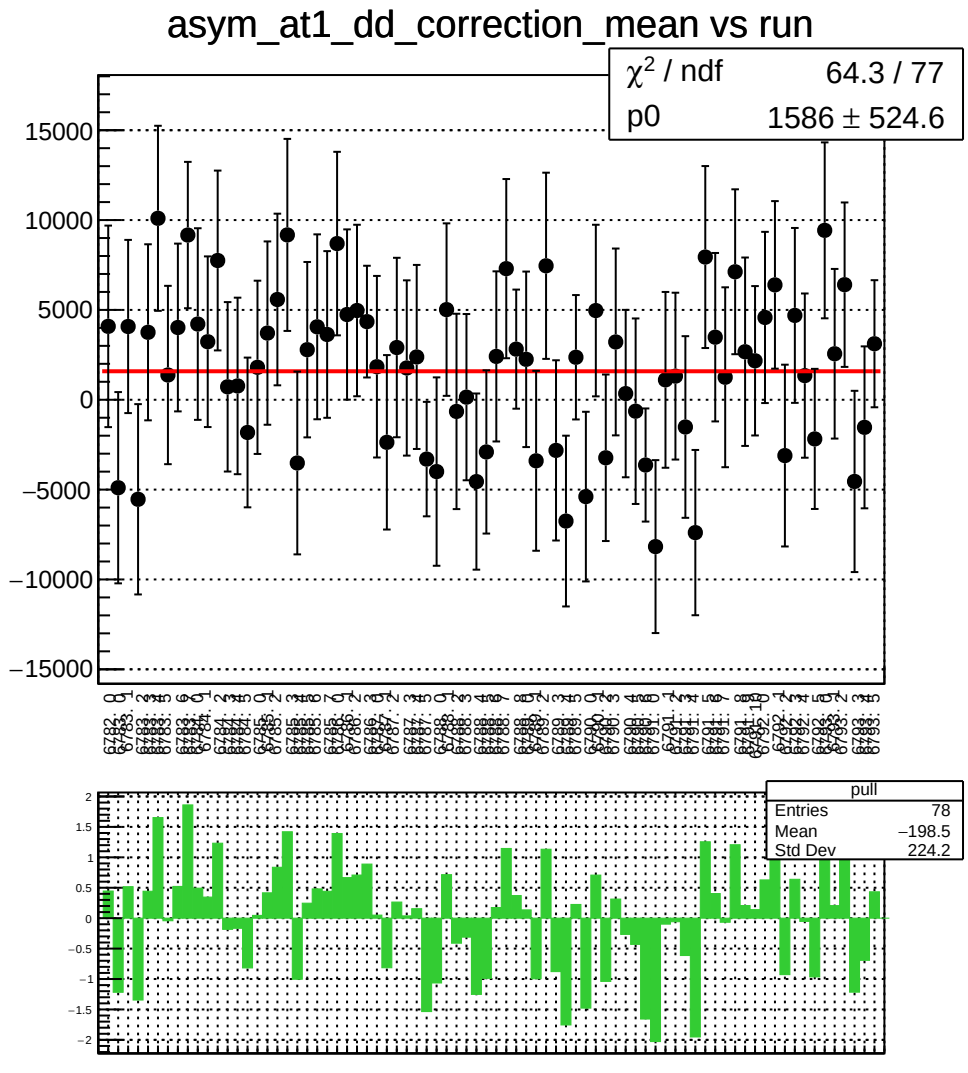

pull1D
Entries 78
Mean 0.002768
Std Dev 0.9612

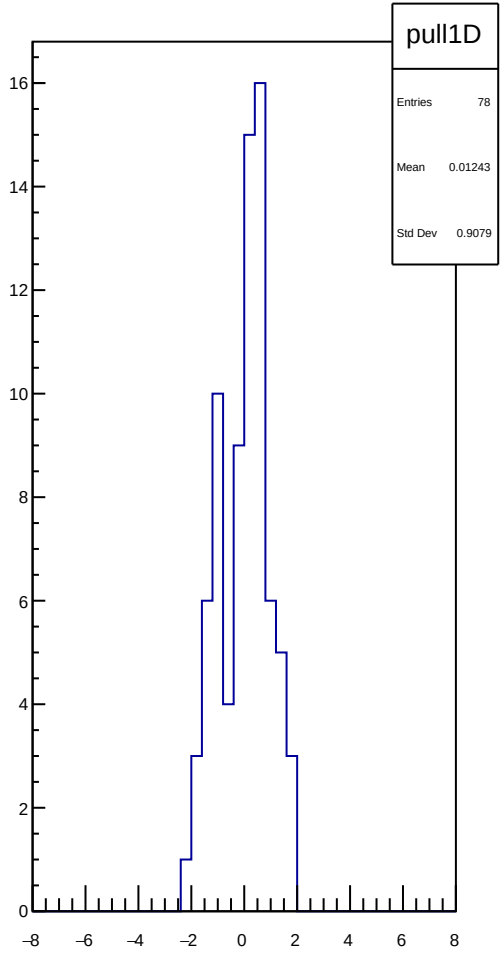

asym_at1_avg_rms vs run
χ^2 / ndf 1.905e+04 / 77
p0 1885 ± 1.515
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

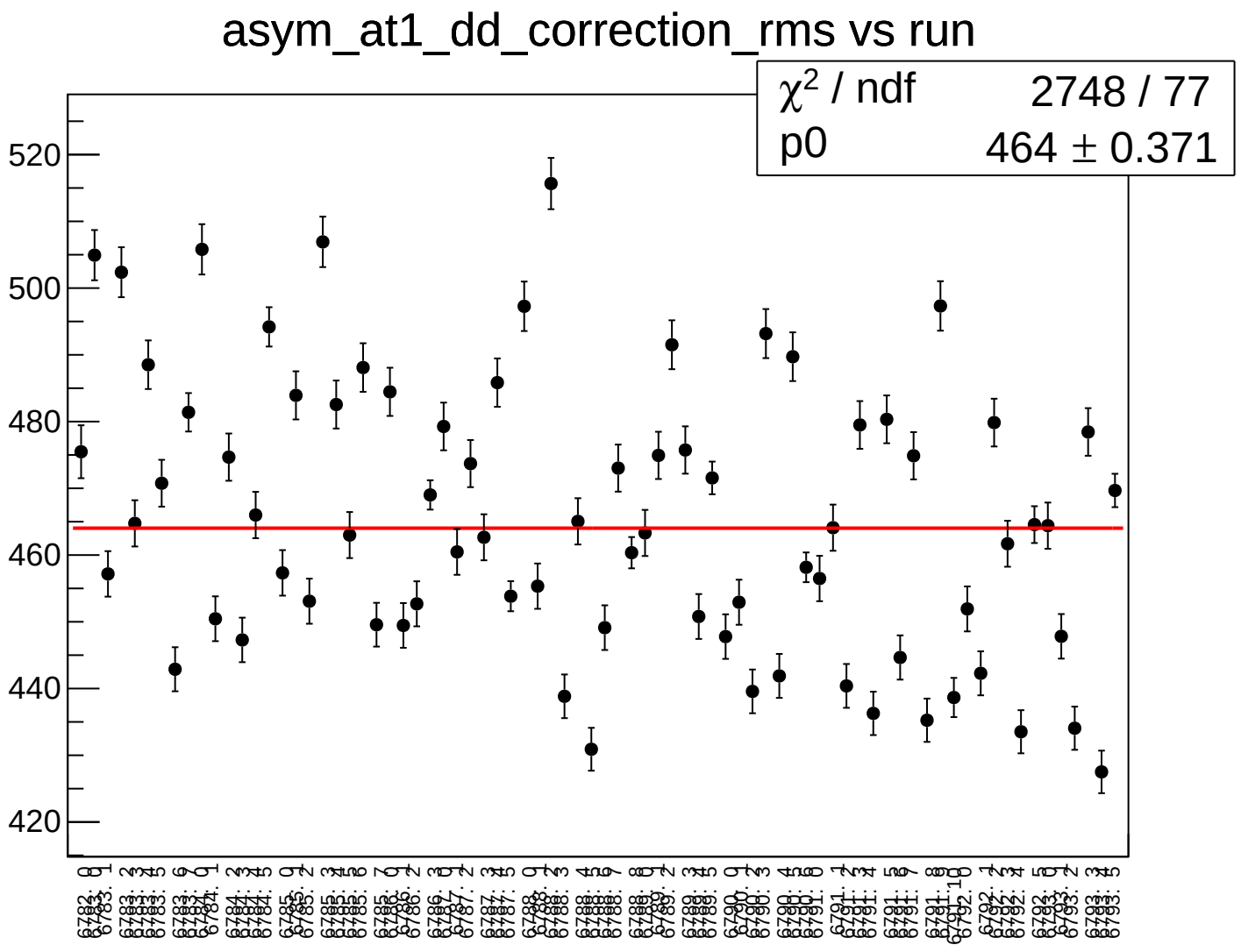

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 92.95 / 77
p0 295 ± 2081
150
100
50
0
−50
−100
pull
Entries 78
Mean −625.4
Std Dev 666.7
3
2
1
0
−1
−2
−3

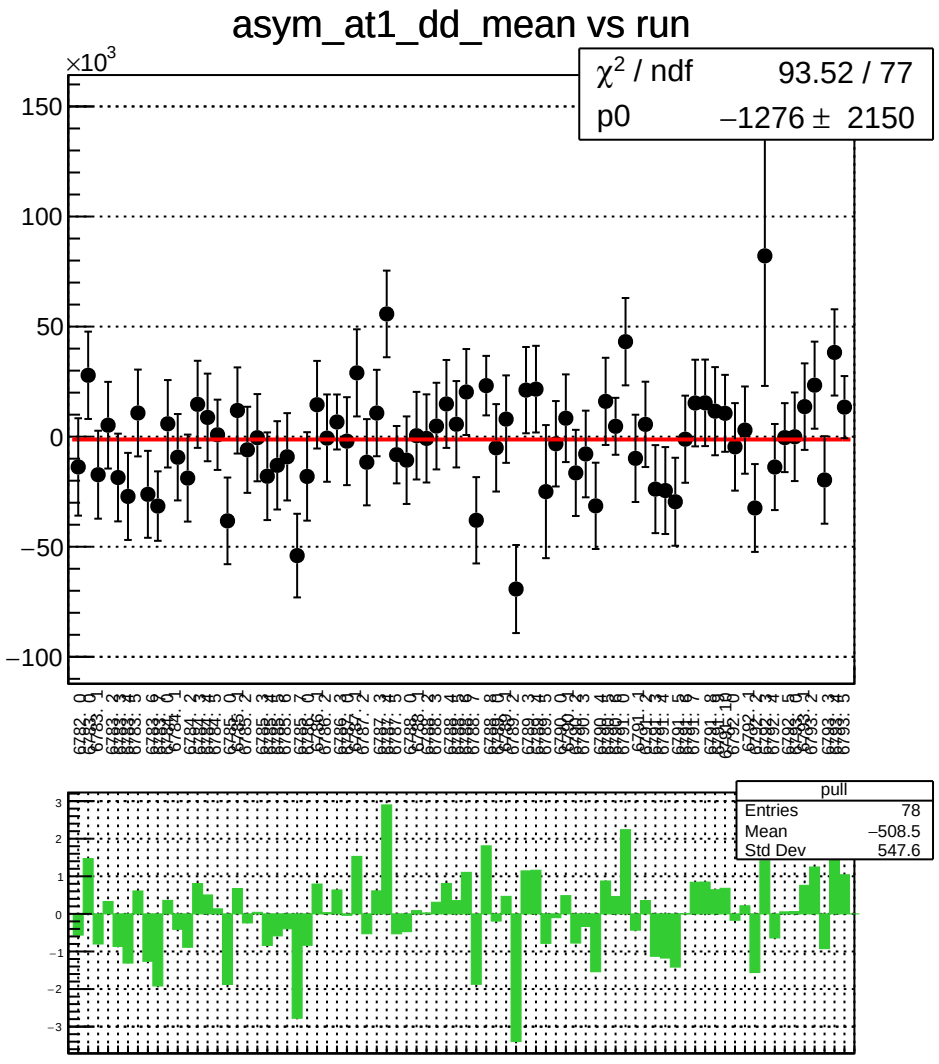

pull1D
Entries 78
Mean −0.005735
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

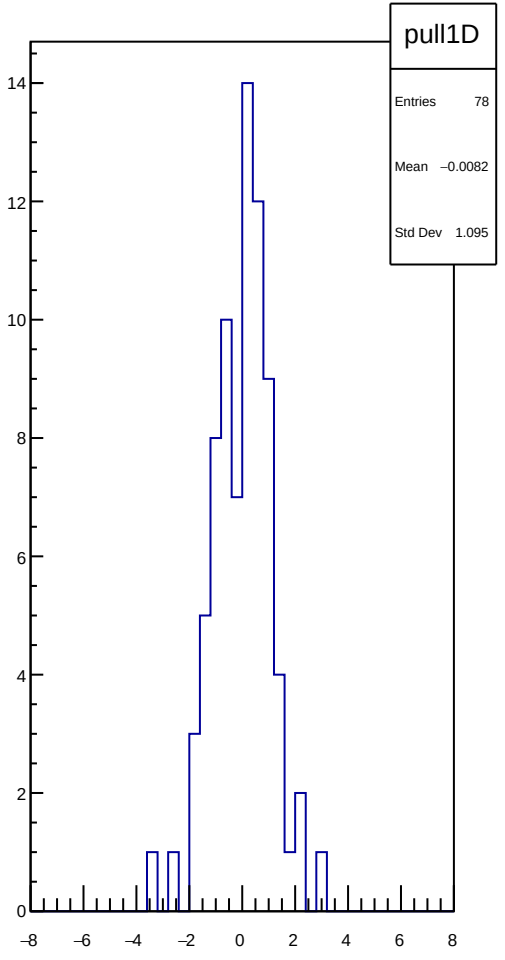

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.965e+04 / 77
p0 1831 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

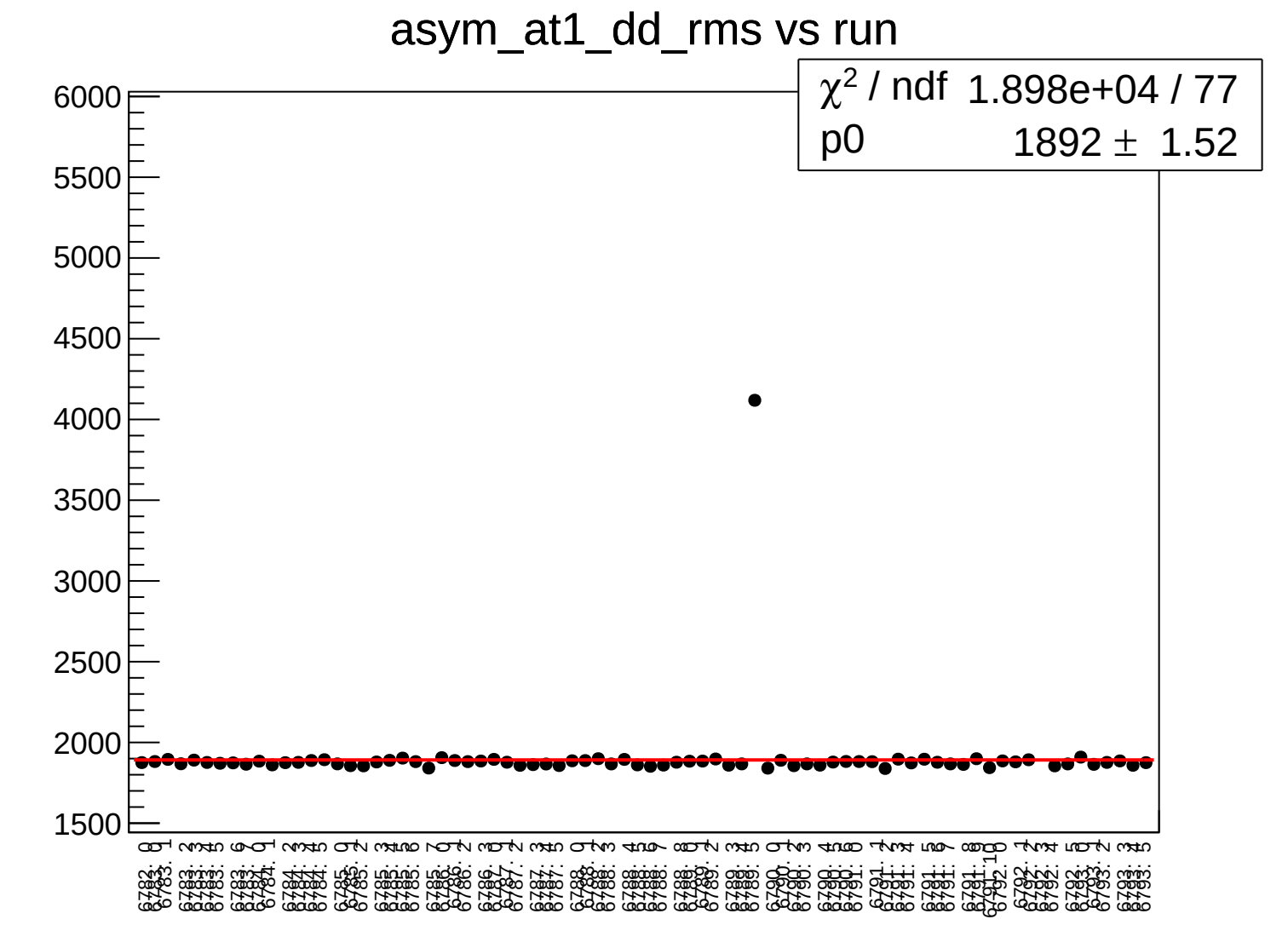

asym_at1_dd_correction_mean vs run
χ² / ndf 64.3 / 77
p0 1586 ± 524.6
pull
Entries 78
Mean −198.5
Std Dev 224.2

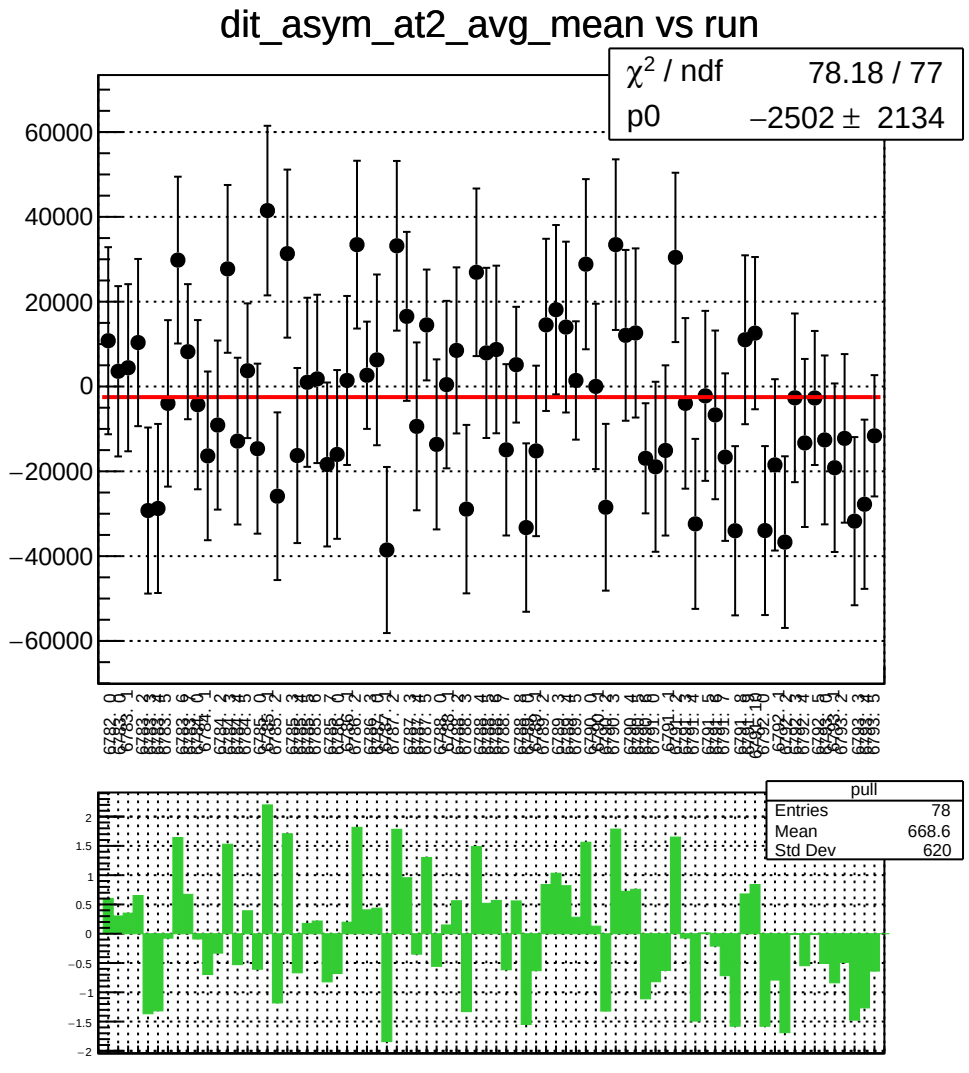

pull1D
Entries 78
Mean 0.01243
Std Dev 0.9079

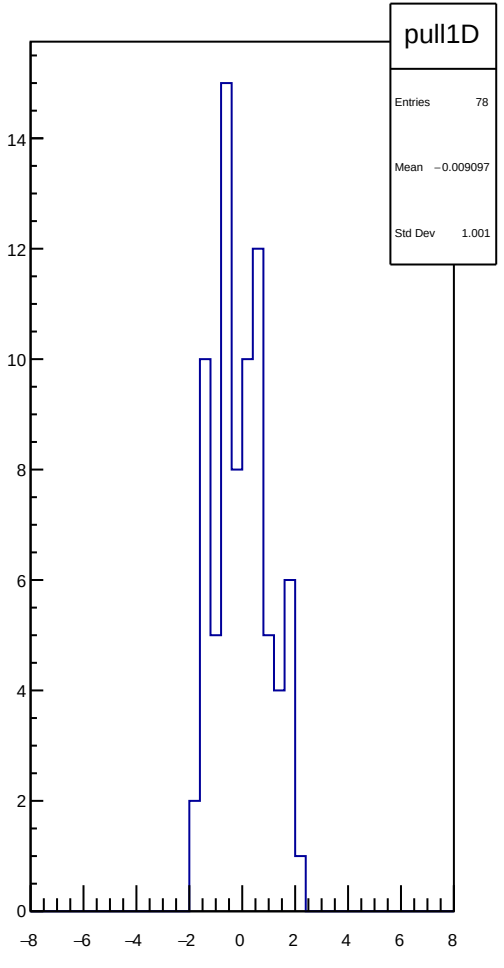

asym_at1_dd_correction_rms vs run
χ^2 / ndf 2748 / 77
p0 464 ± 0.371
520
500
480
460
440
420

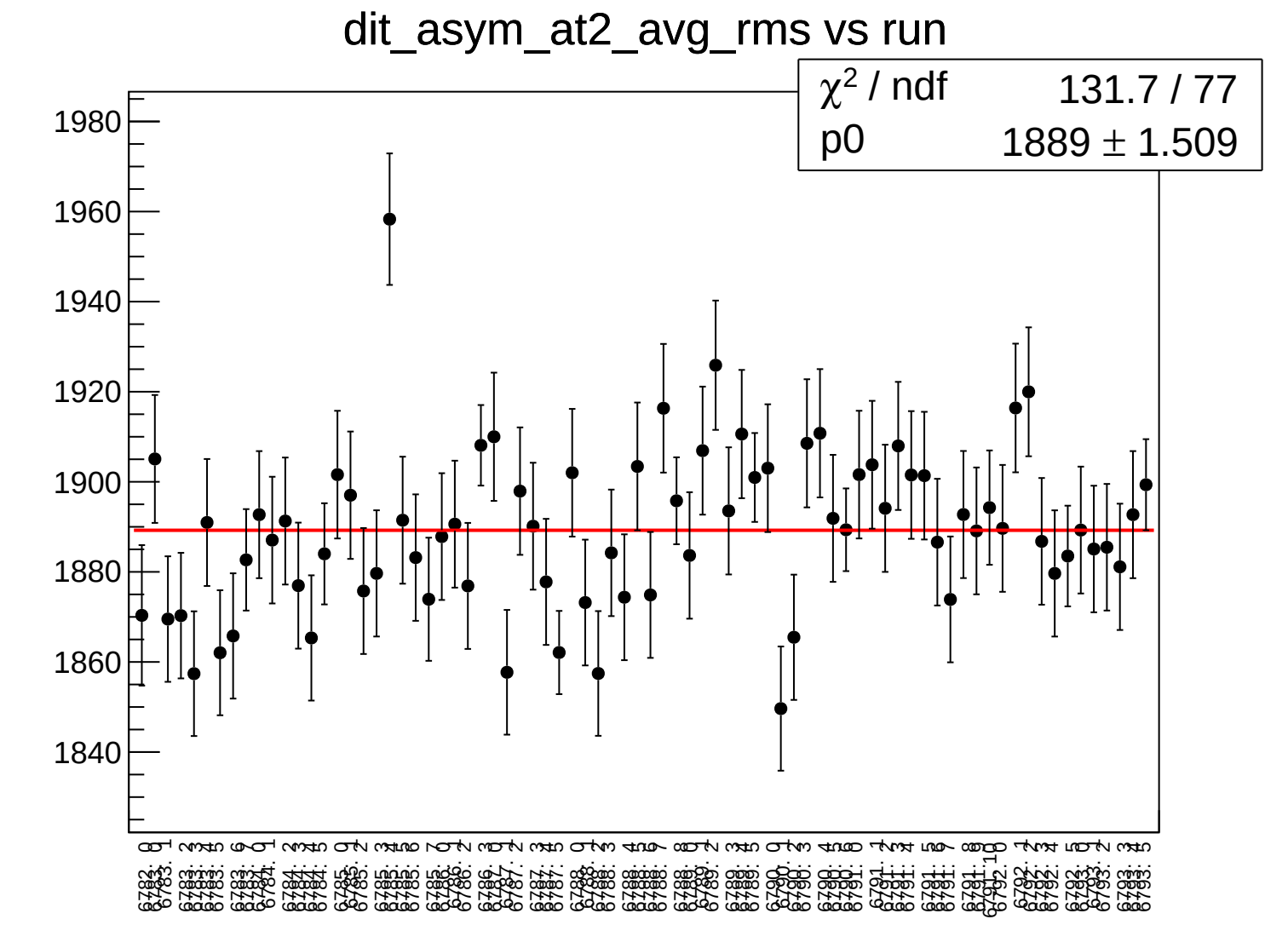

asym_at1_dd_mean vs run
×10^3
χ² / ndf 93.52 / 77
p0 −1276 ± 2150
150
100
50
0
−50
−100
pull
Entries 78
Mean −508.5
Std Dev 547.6
3
2
1
0
−1
−2
−3

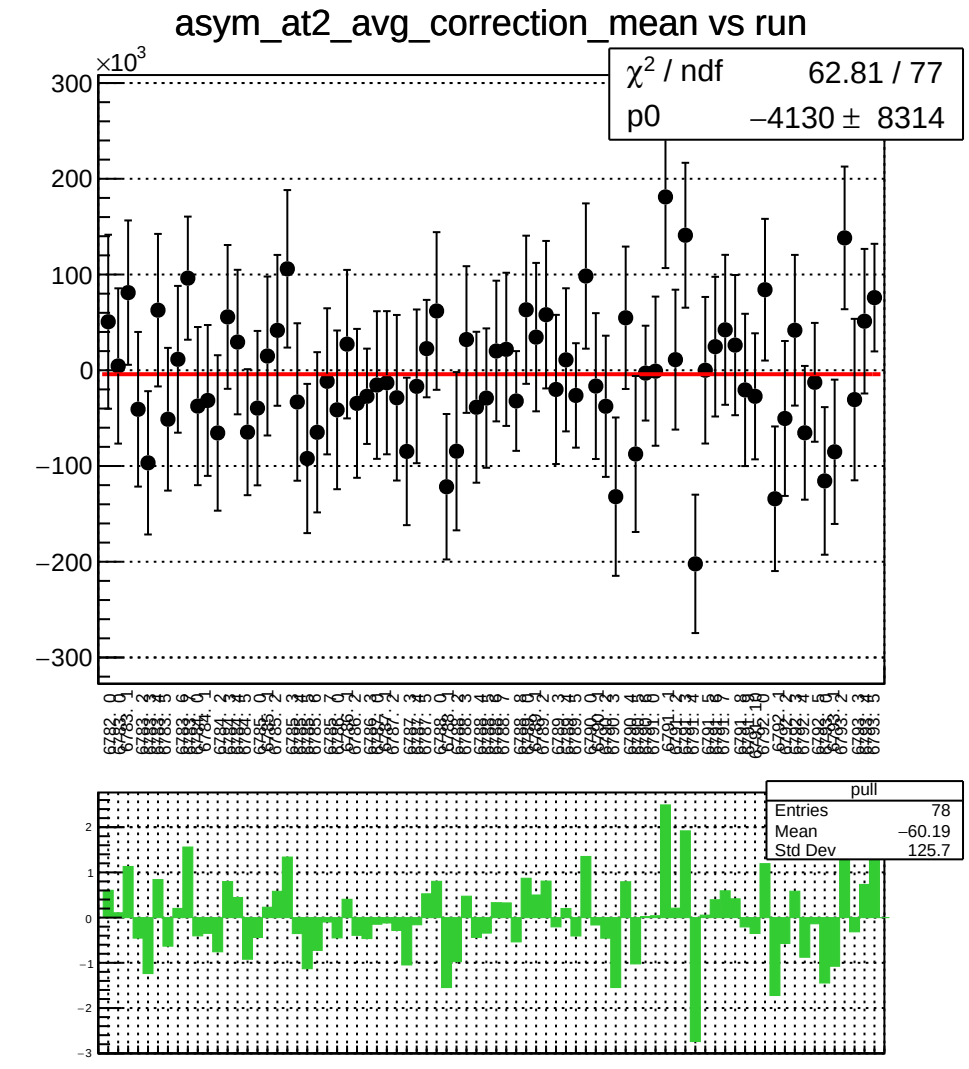

pull1D
Entries 78
Mean −0.0082
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

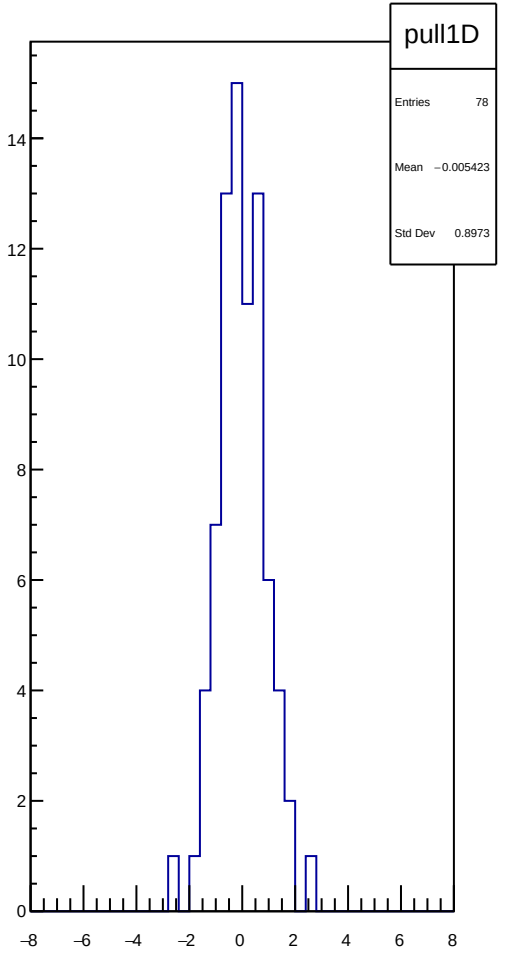

asym_at1_dd_rms vs run
χ^2 / ndf 1.898e+04 / 77
p0 1892 ± 1.52
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

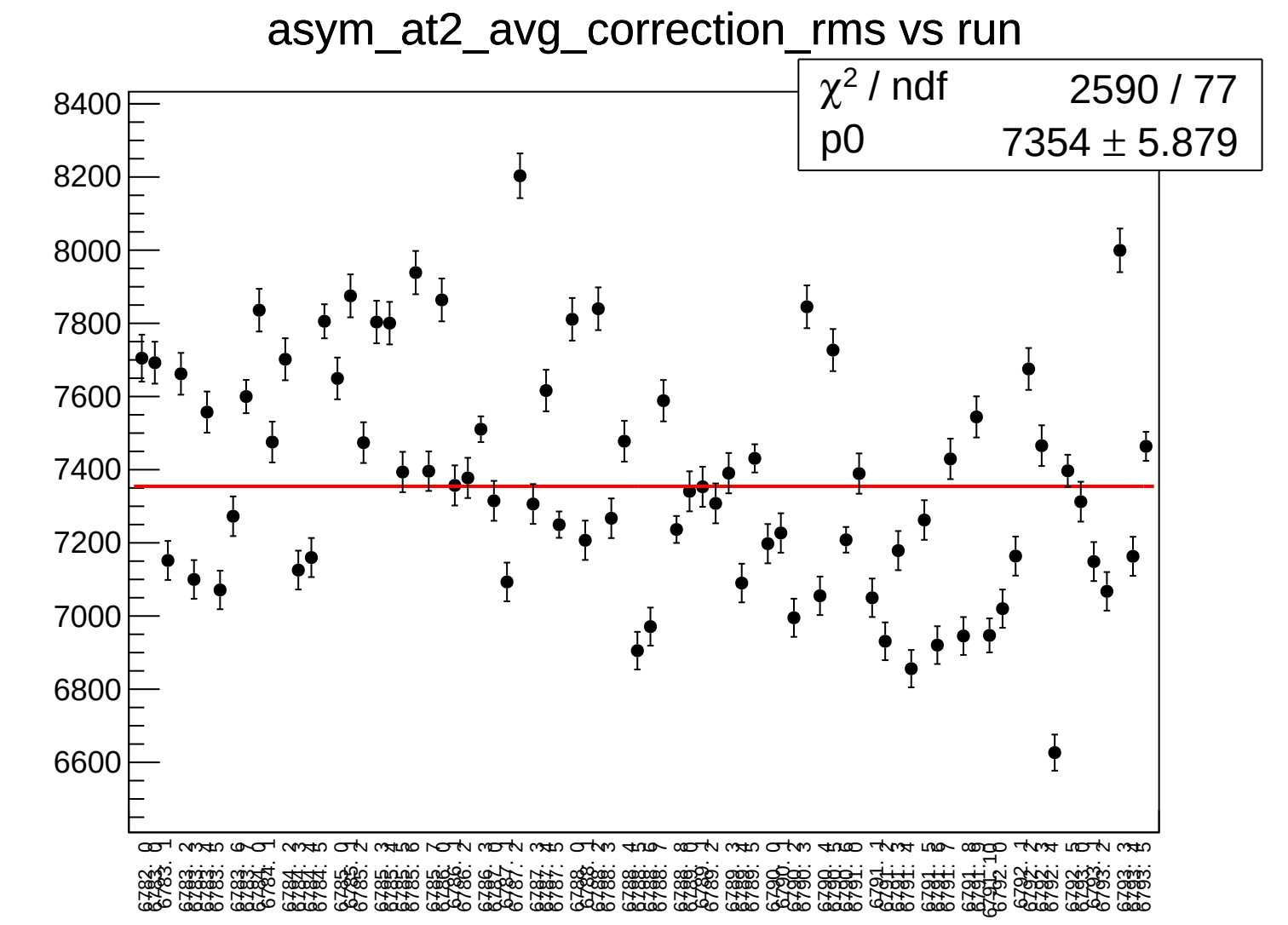

dit_asym_at2_avg_mean vs run
χ^2 / ndf 78.18 / 77
p0 −2502 ± 2134
pull
Entries 78
Mean 668.6
Std Dev 620

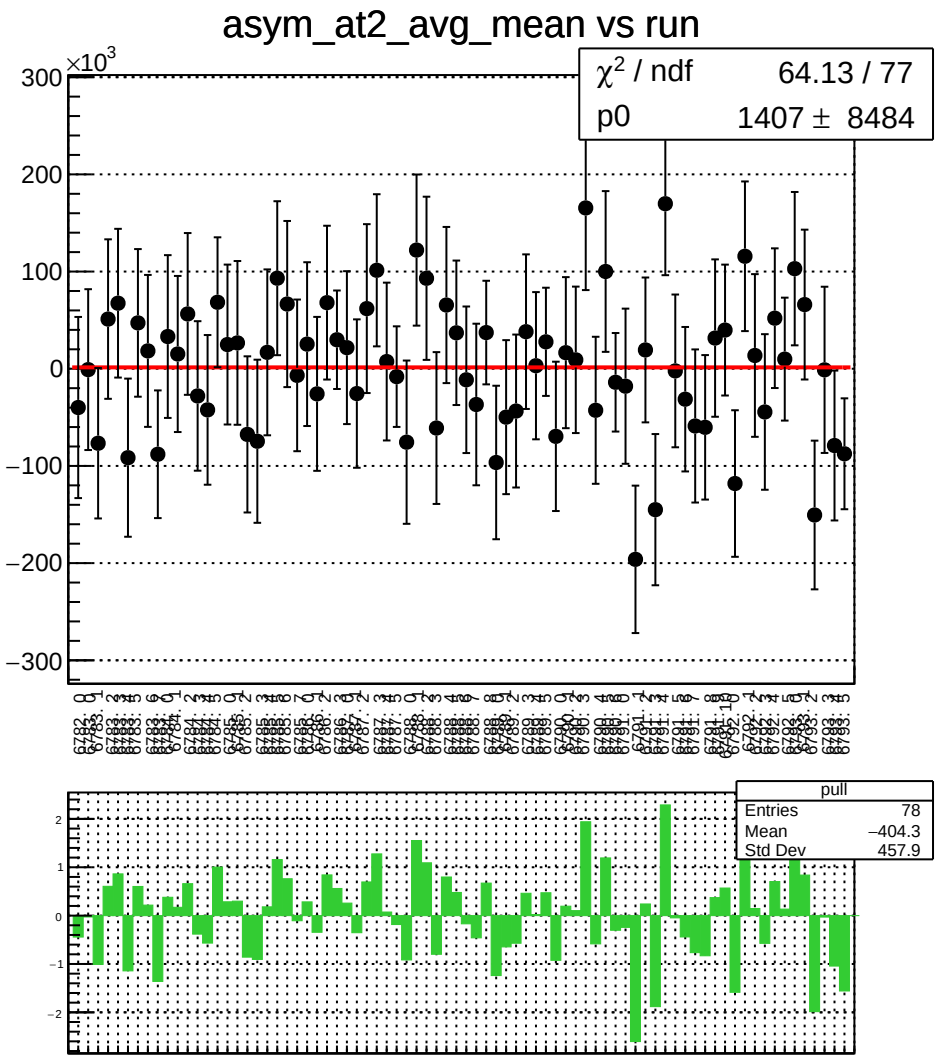

pull1D
Entries 78
Mean −0.009097
Std Dev 1.001

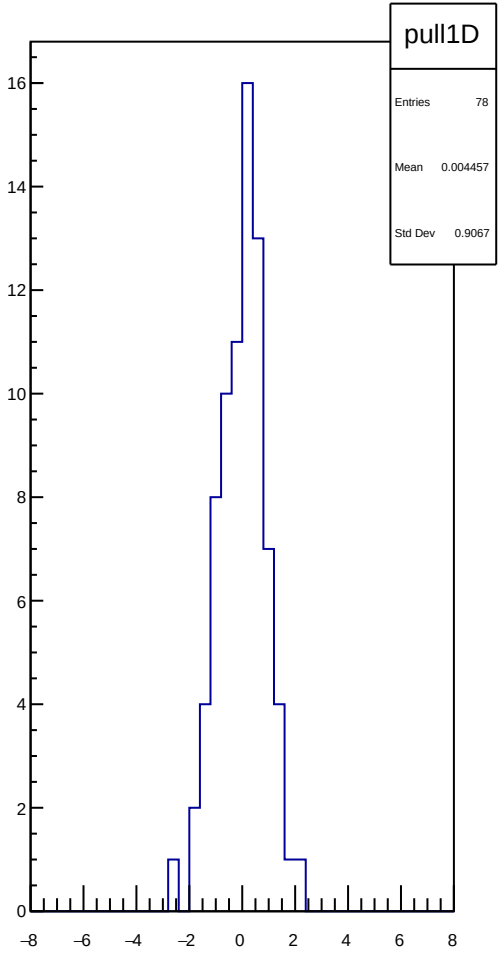

dit_asym_at2_avg_rms vs run
χ^2 / ndf 131.7 / 77
p0 1889 ± 1.509
1980
1960
1940
1920
1900
1880
1860
1840

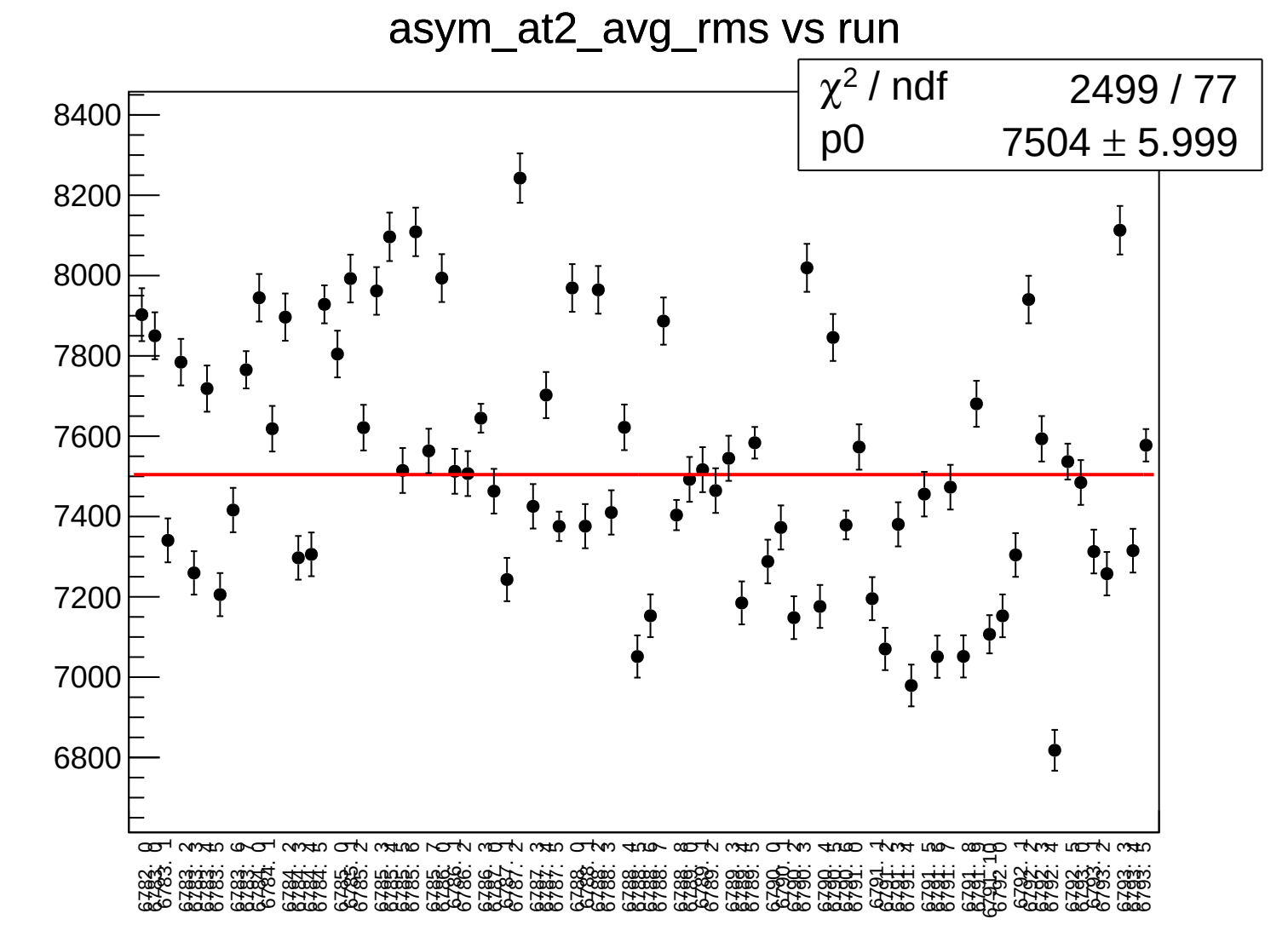

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 62.81 / 77
p0 −4130 ± 8314
pull
Entries 78
Mean −60.19
Std Dev 125.7

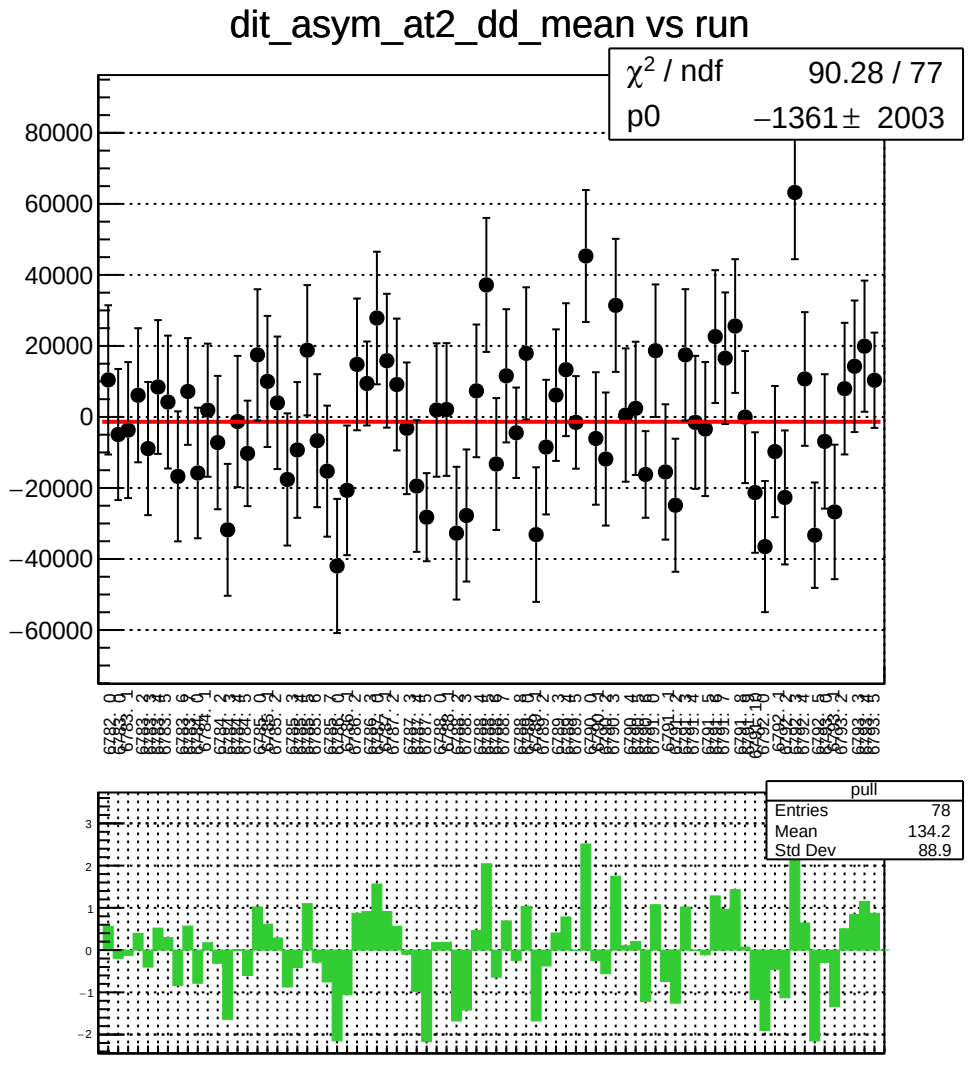

pull1D
Entries 78
Mean −0.005423
Std Dev 0.8973

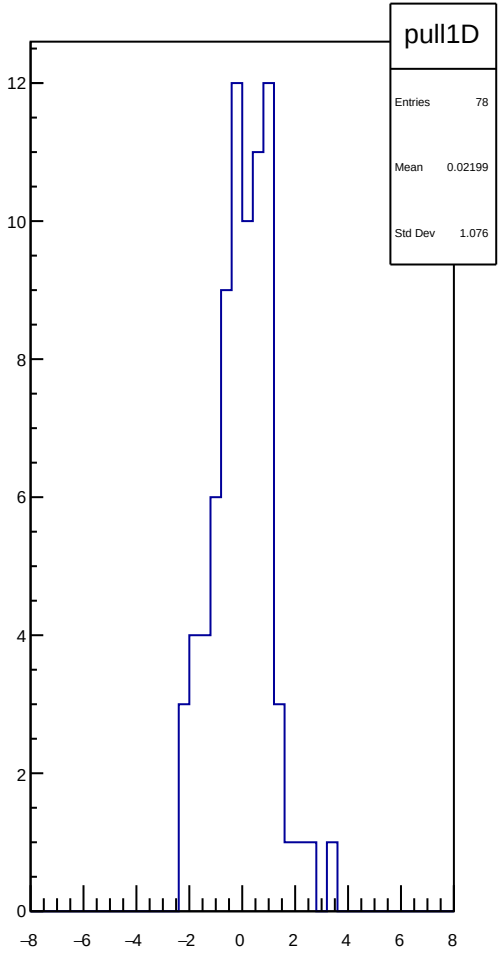

asym_at2_avg_correction_rms vs run
χ² / ndf 2590 / 77
p0 7354 ± 5.879
8400
8200
8000
7800
7600
7400
7200
7000
6800
6600

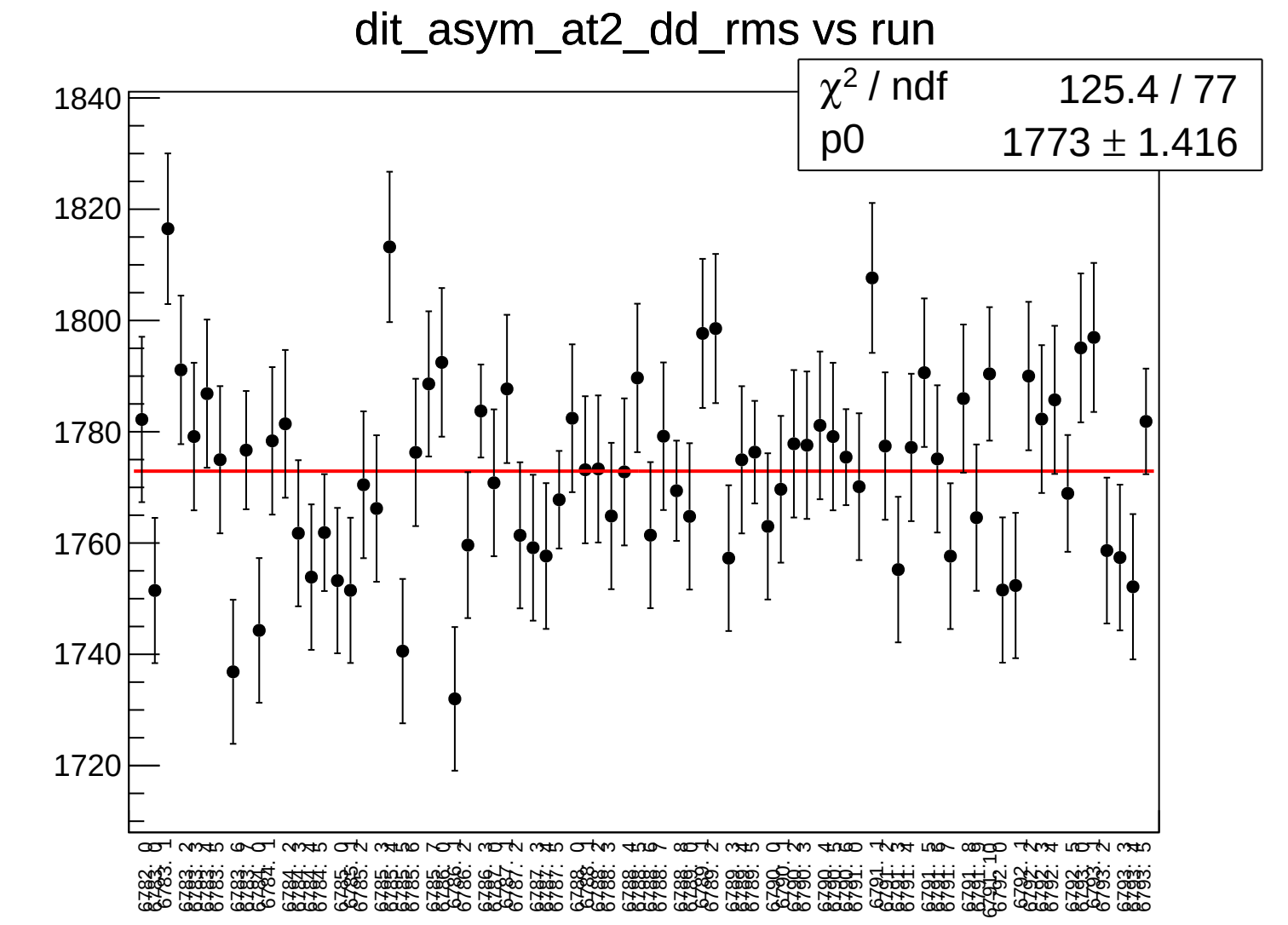

asym_at2_avg_mean vs run
×10^3
χ² / ndf 64.13 / 77
p0 1407 ± 8484
pull
Entries 78
Mean −404.3
Std Dev 457.9

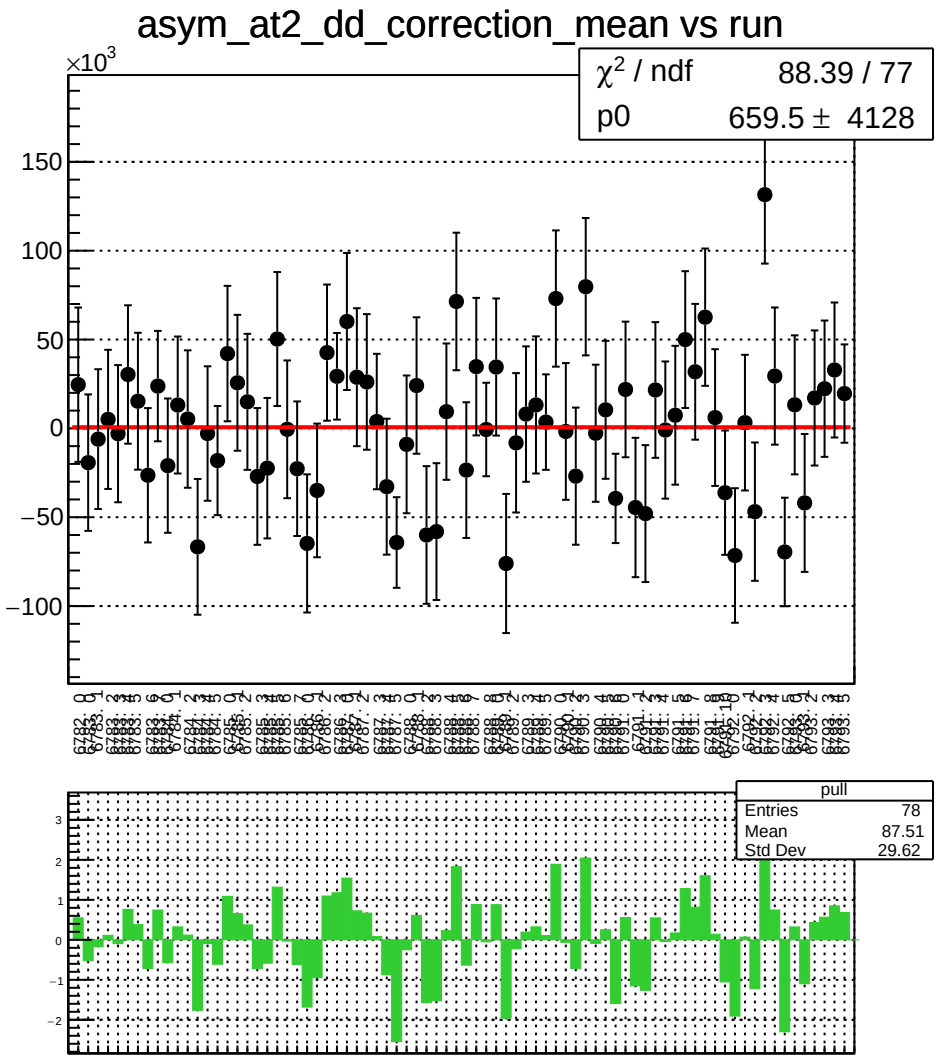

pull1D
Entries 78
Mean 0.004457
Std Dev 0.9067

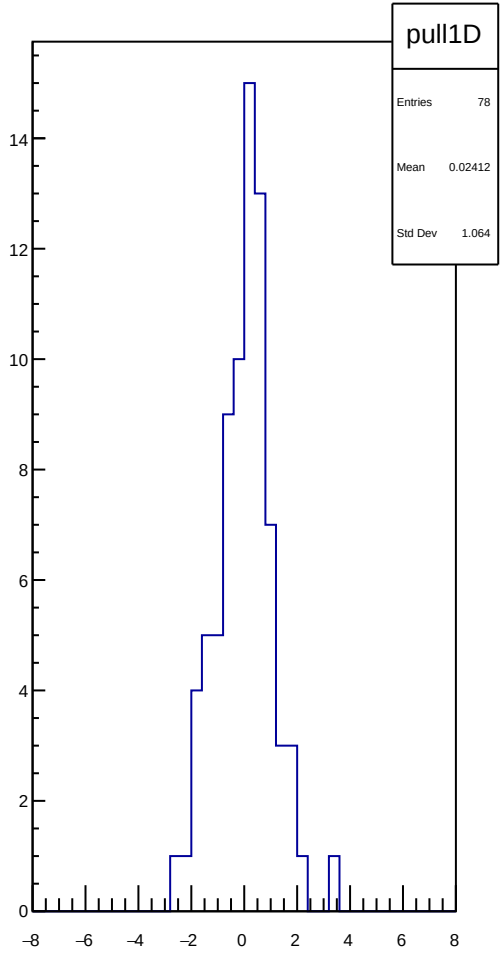

asym_at2_avg_rms vs run
χ² / ndf 2499 / 77
p0 7504 ± 5.999
8400
8200
8000
7800
7600
7400
7200
7000
6800

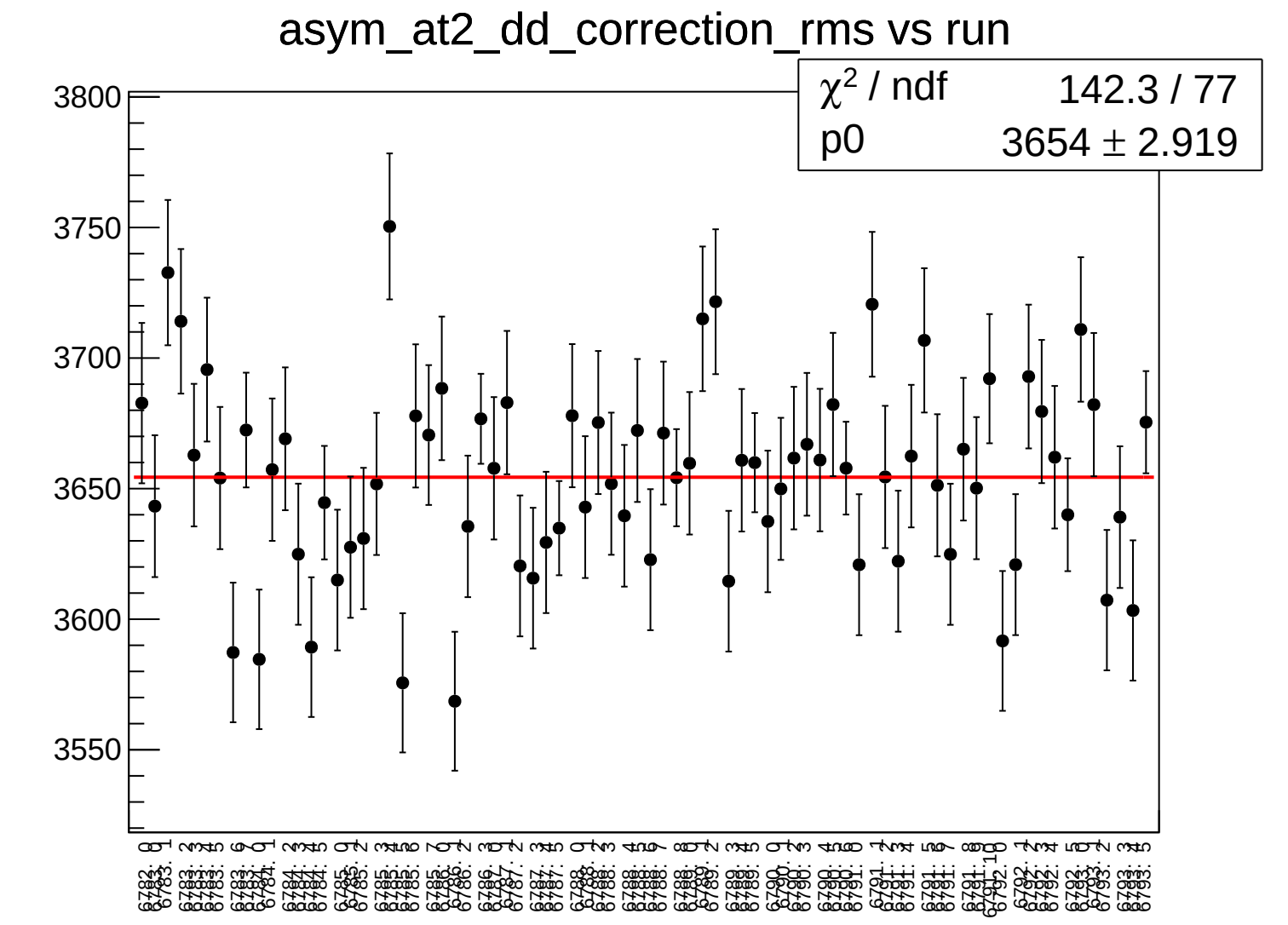

dit_asym_at2_dd_mean vs run
χ² / ndf 90.28 / 77
p0 −1361 ± 2003
pull
Entries 78
Mean 134.2
Std Dev 88.9

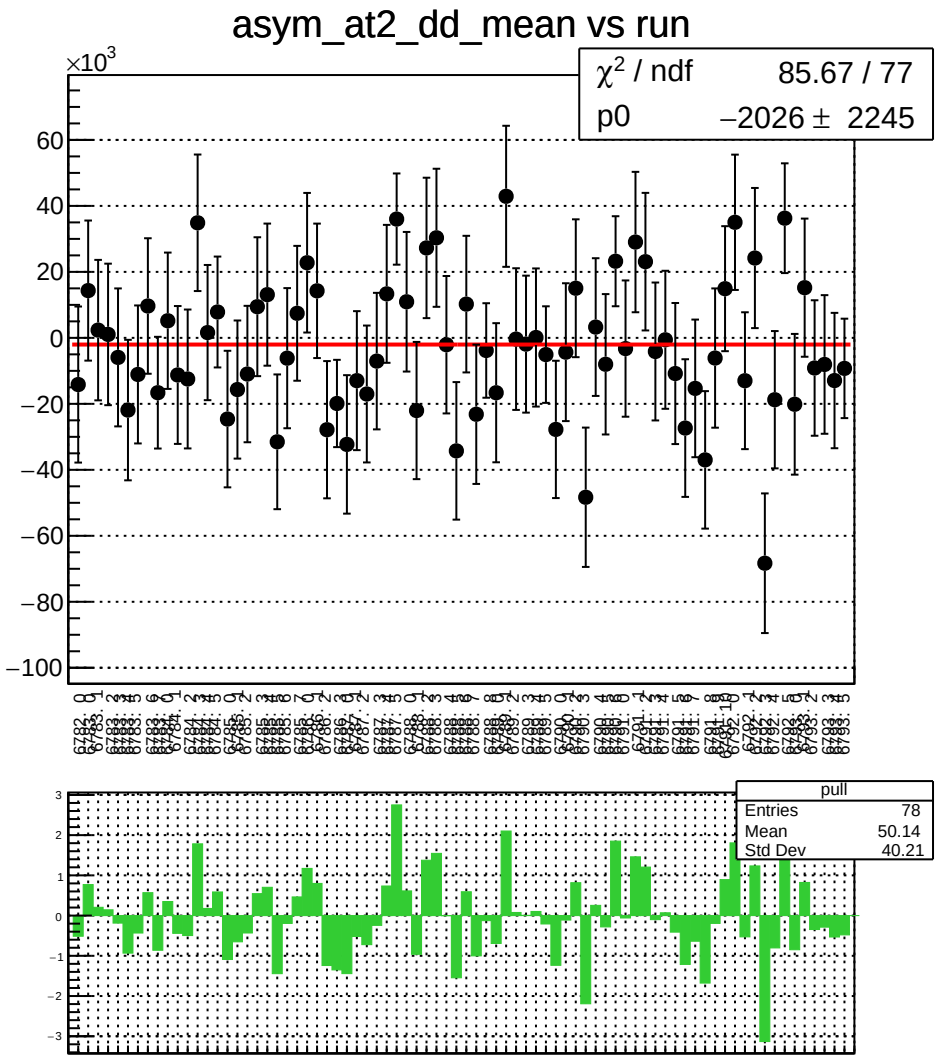

pull1D
Entries 78
Mean 0.02199
Std Dev 1.076

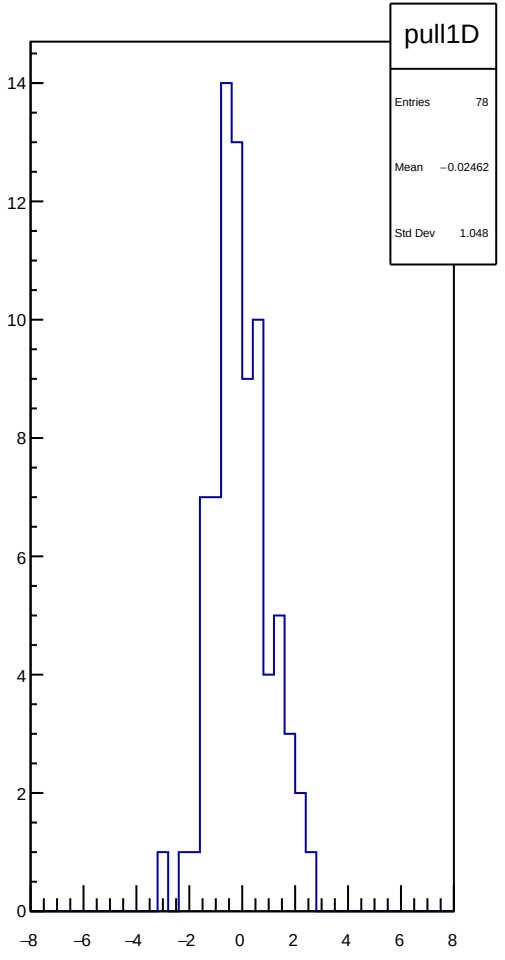

dit_asym_at2_dd_rms vs run
χ² / ndf 125.4 / 77
p0 1773 ± 1.416
1840
1820
1800
1780
1760
1740
1720

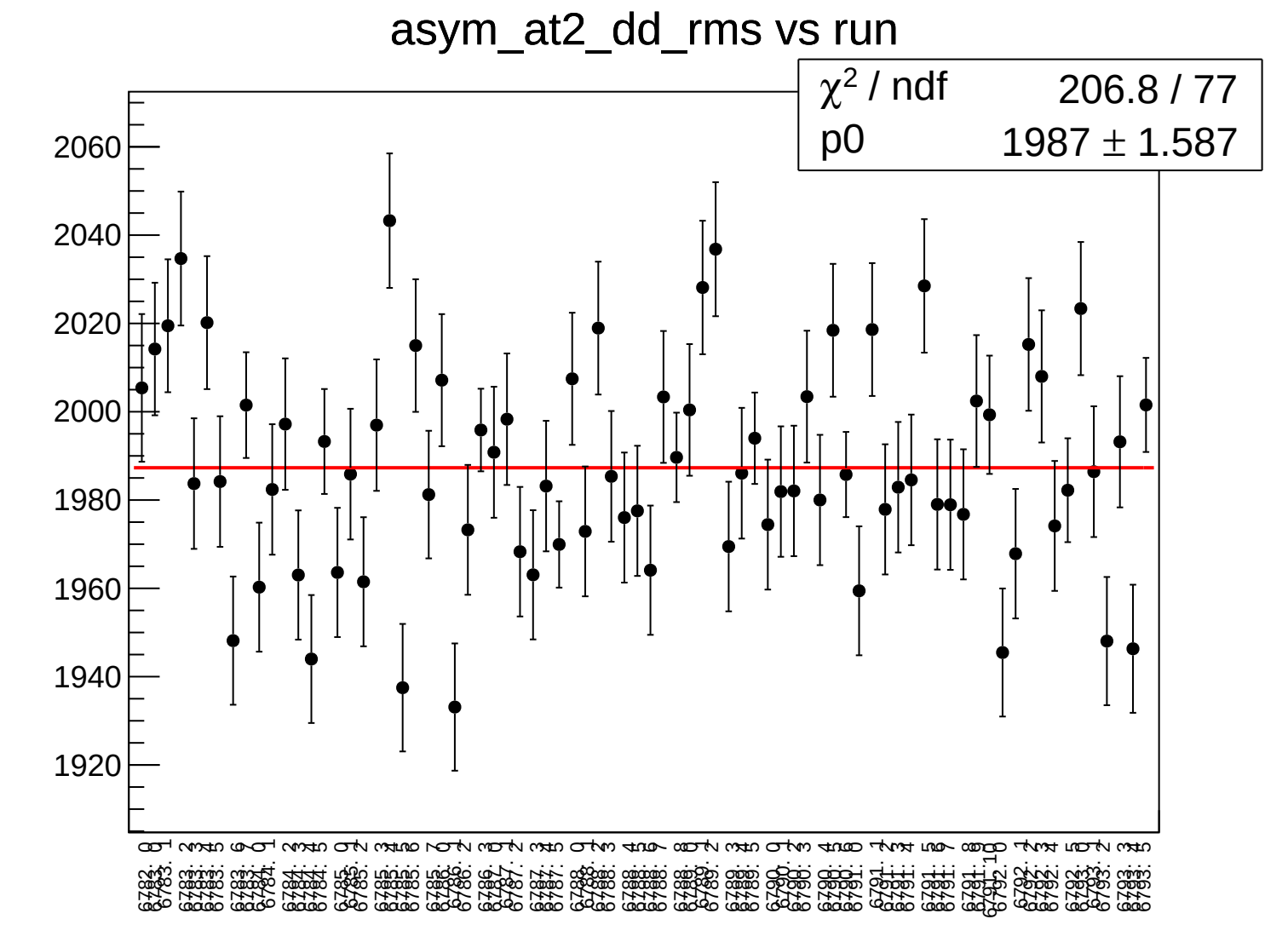

asym_at2_dd_correction_mean vs run
χ² / ndf 88.39 / 77
p0 659.5 ± 4128
×10³
150
100
50
0
−50
−100
pull
Entries 78
Mean 87.51
Std Dev 29.62
3
2
1
0
−1
−2

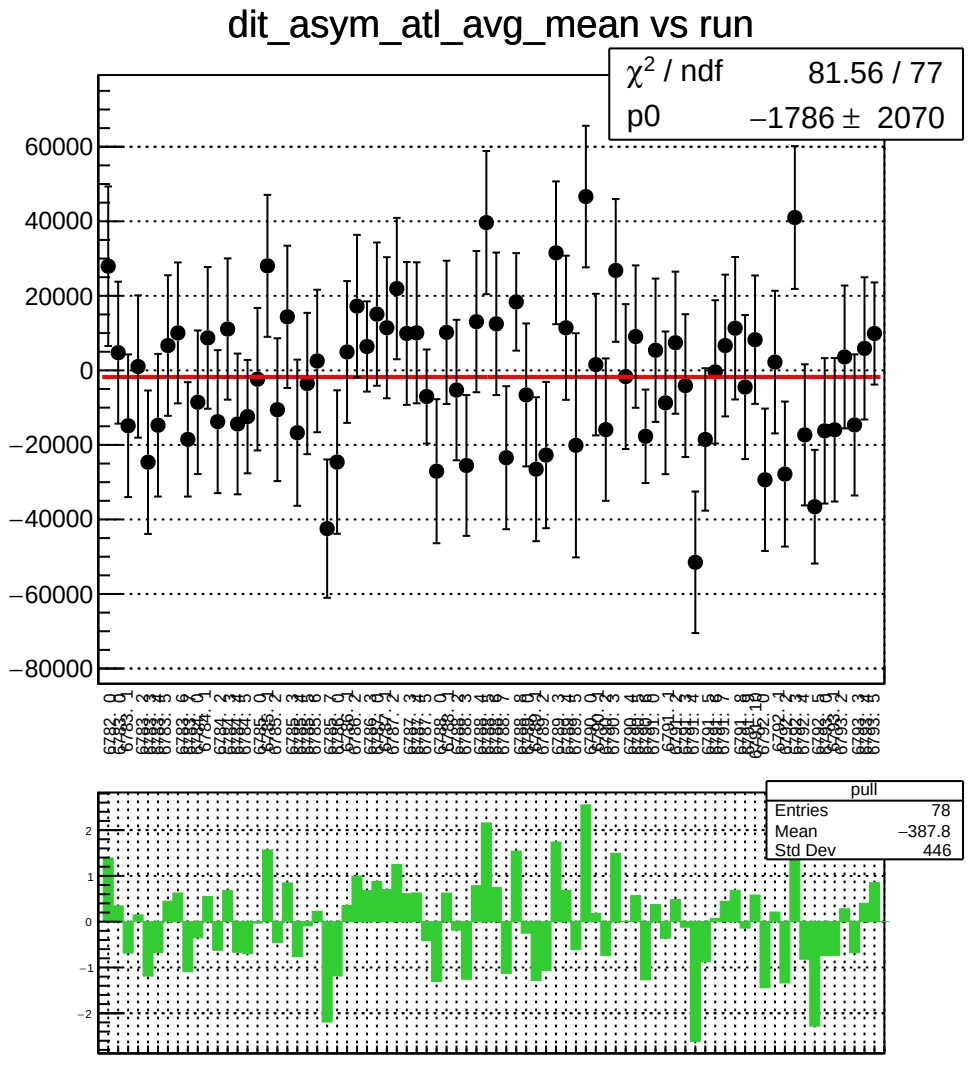

pull1D
Entries 78
Mean 0.02412
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

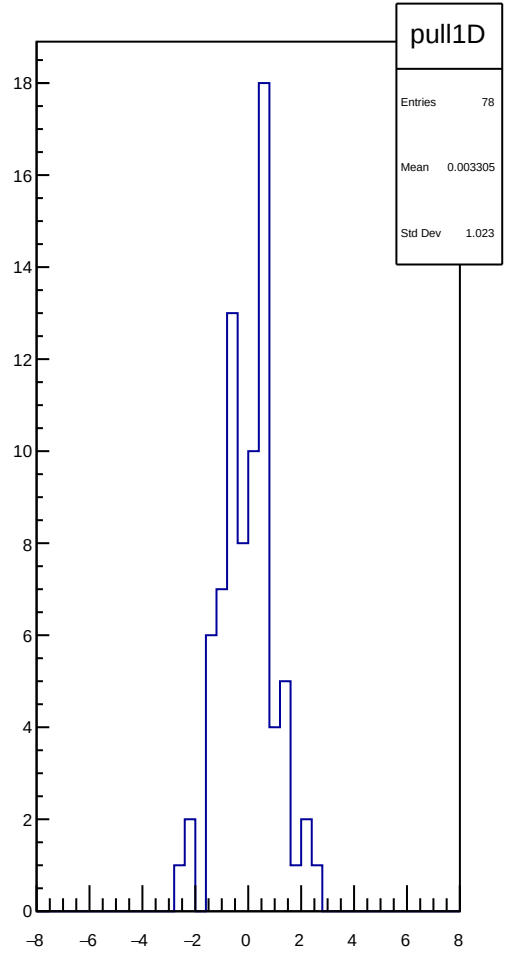

asym_at2_dd_correction_rms vs run
χ² / ndf 142.3 / 77
p0 3654 ± 2.919
3800
3750
3700
3650
3600
3550

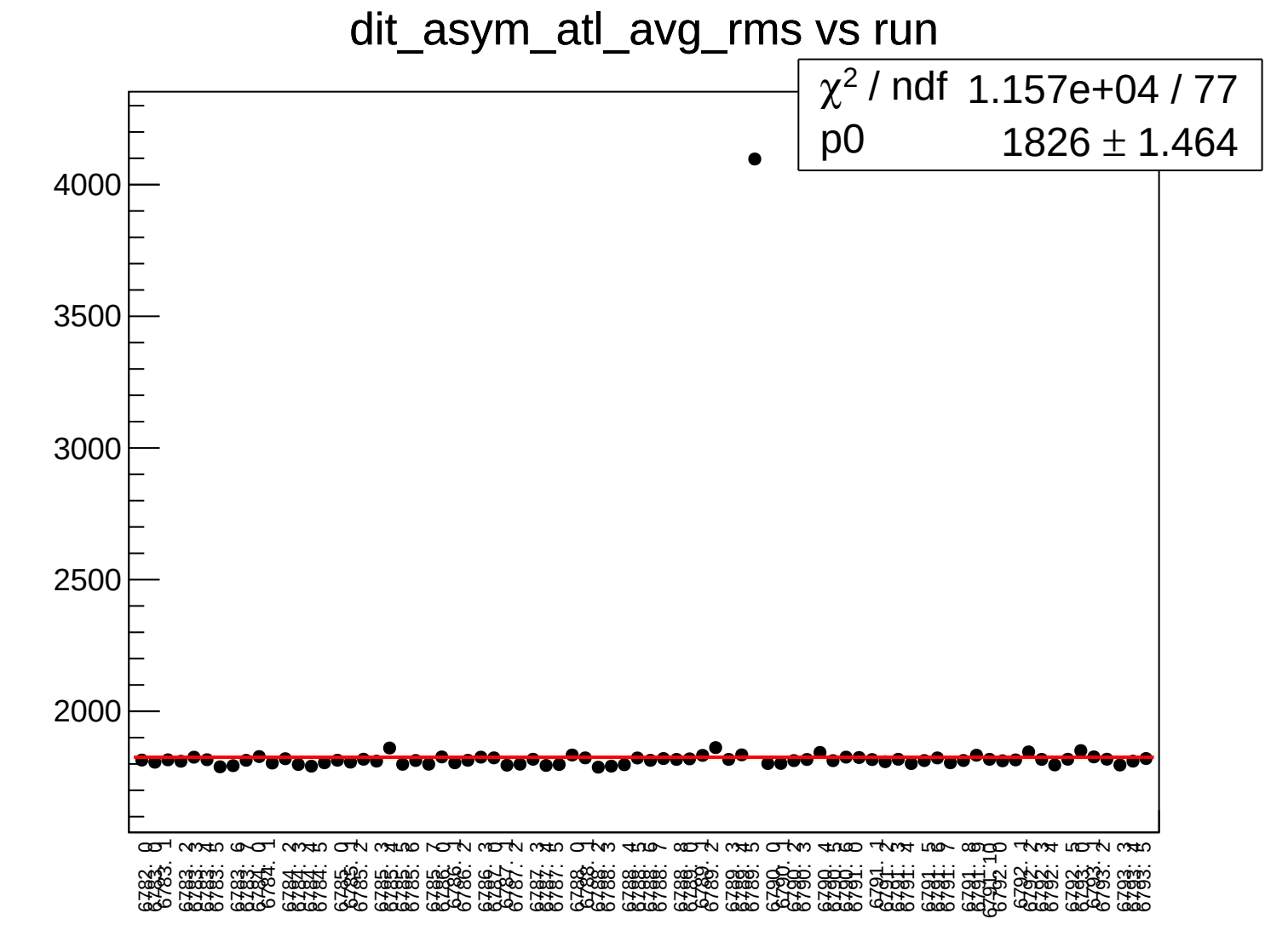

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 85.67 / 77
p0 −2026 ± 2245
pull
Entries 78
Mean 50.14
Std Dev 40.21

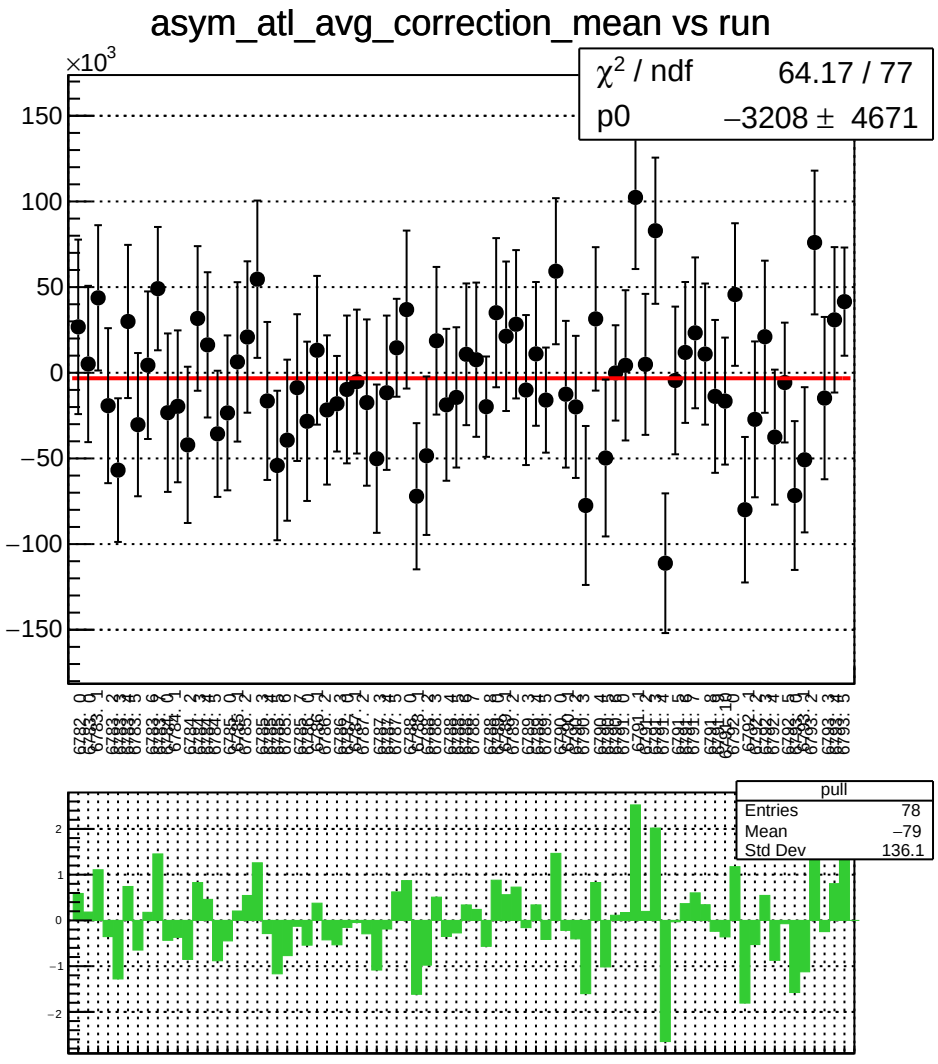

pull1D
Entries 78
Mean −0.02462
Std Dev 1.048

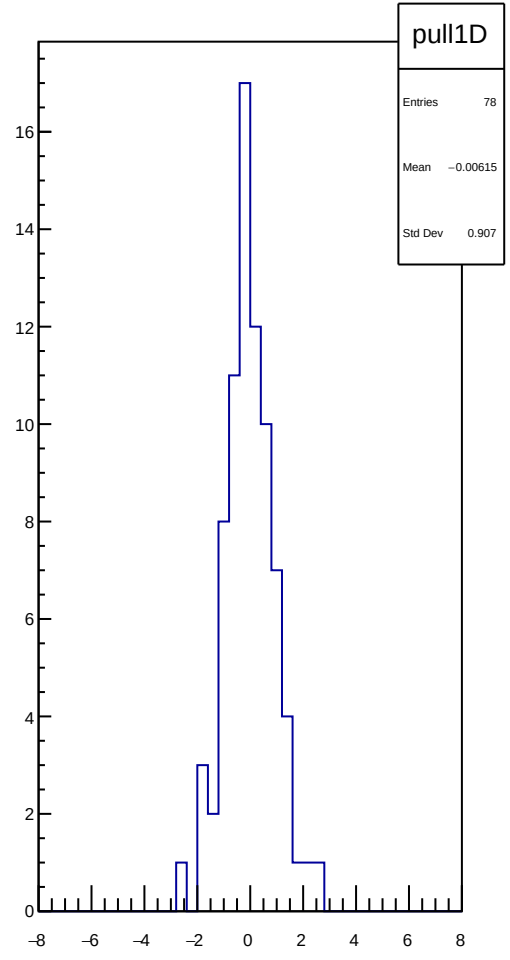

asym_at2_dd_rms vs run
χ^2 / ndf 206.8 / 77
p0 1987 ± 1.587
2060
2040
2020
2000
1980
1960
1940
1920

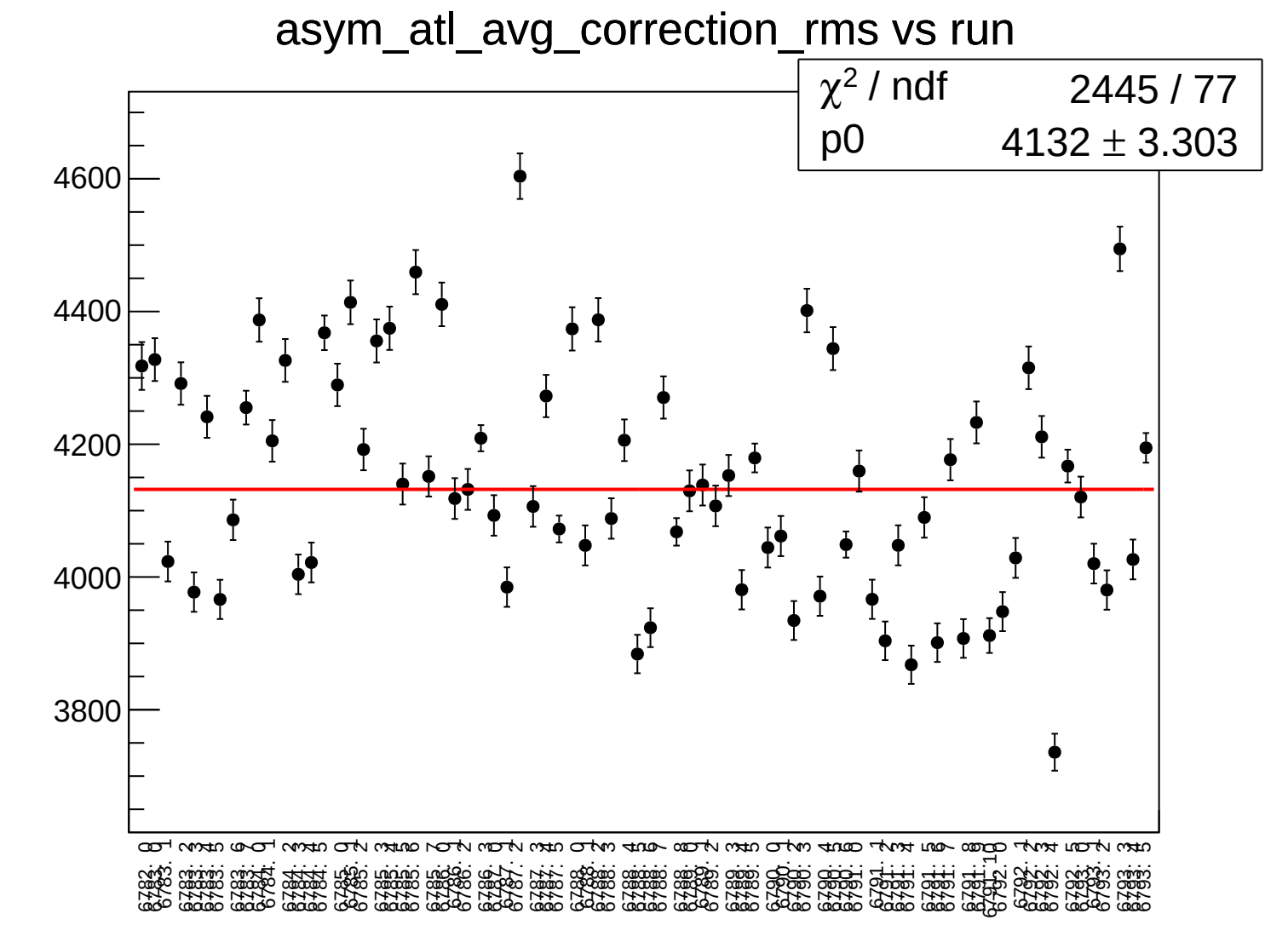

dit_asym_atl_avg_mean vs run
χ² / ndf 81.56 / 77
p0 −1786 ± 2070
pull
Entries 78
Mean −387.8
Std Dev 446

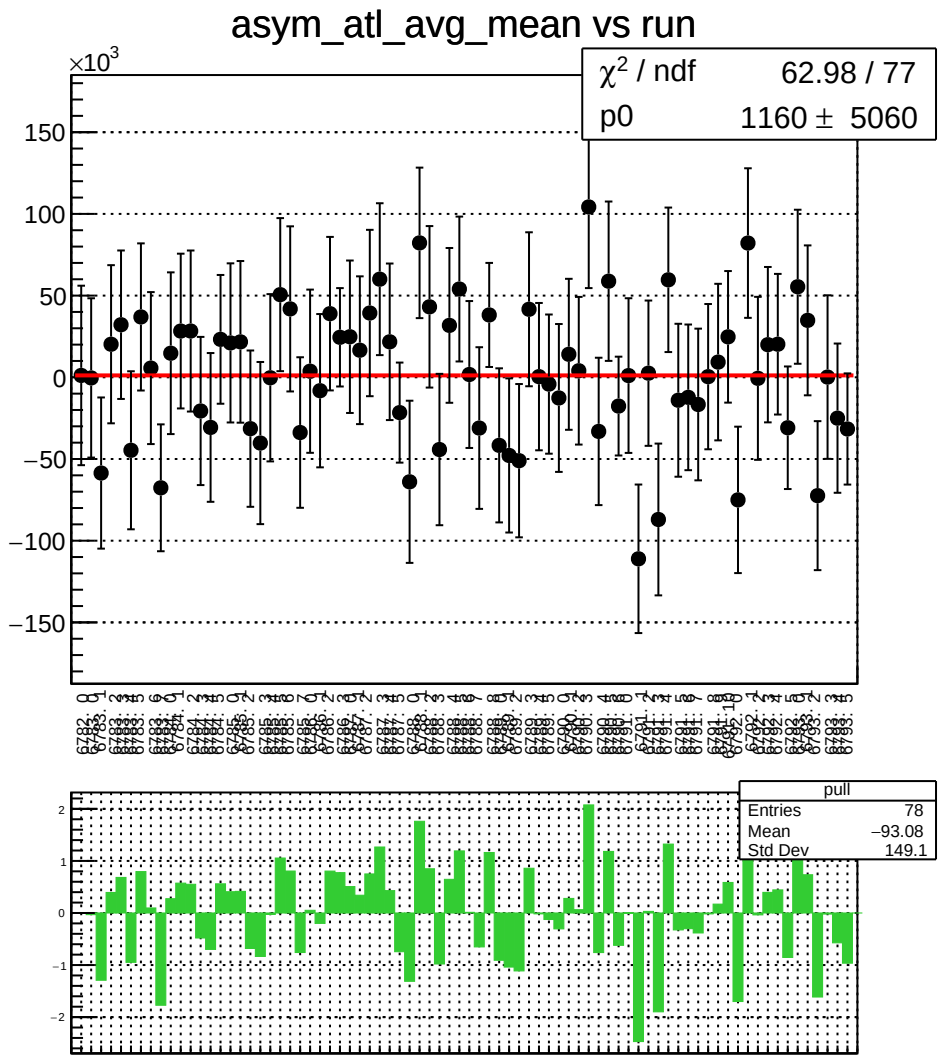

pull1D
Entries 78
Mean 0.003305
Std Dev 1.023

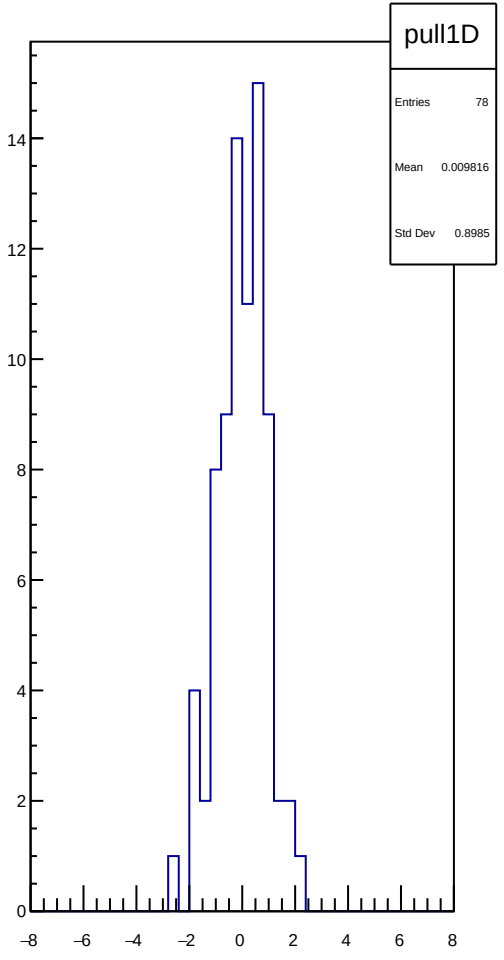

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.157e+04 / 77
p0 1826 ± 1.464
4000
3500
3000
2500
2000

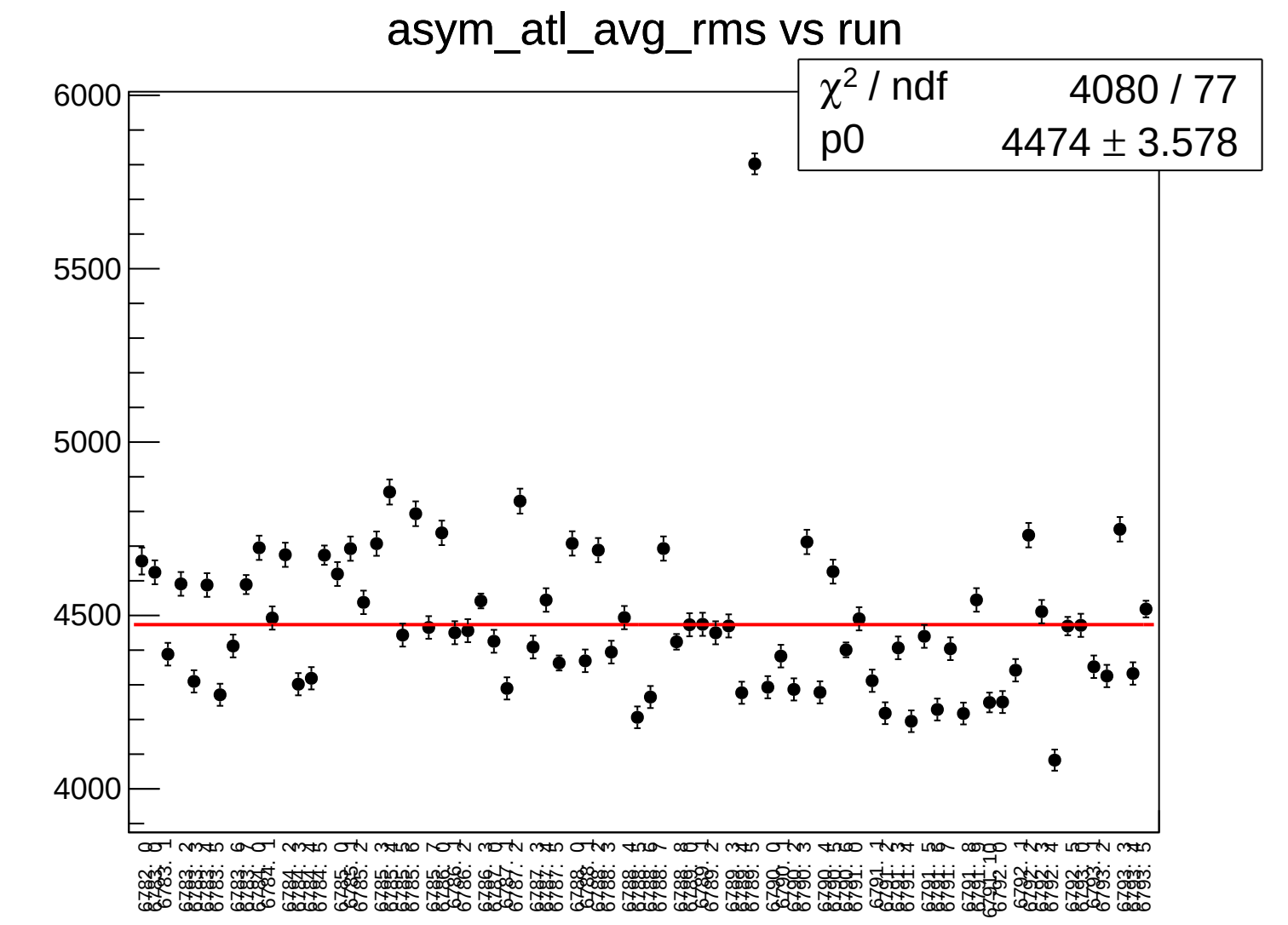

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 64.17 / 77
p0 −3208 ± 4671
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −79
Std Dev 136.1
2
1
0
−1
−2

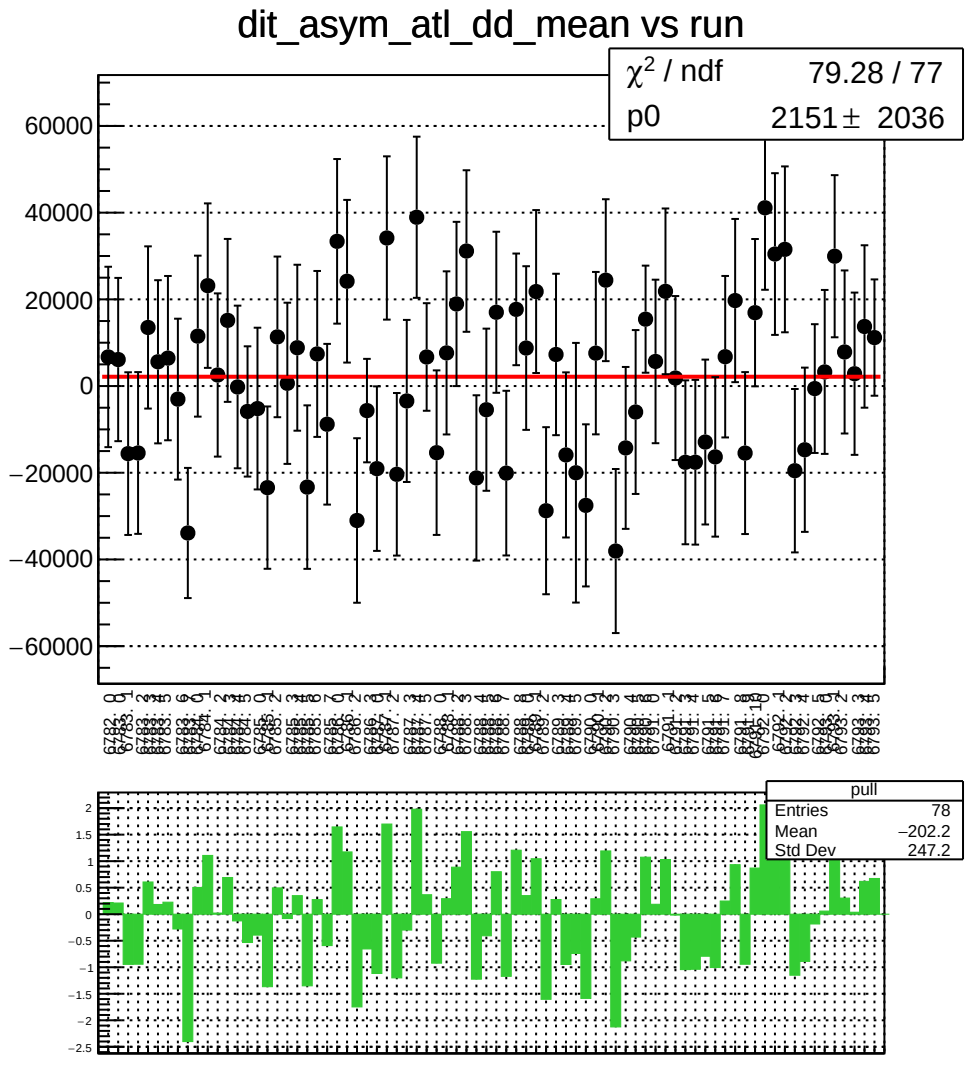

pull1D
Entries 78
Mean −0.00615
Std Dev 0.907
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

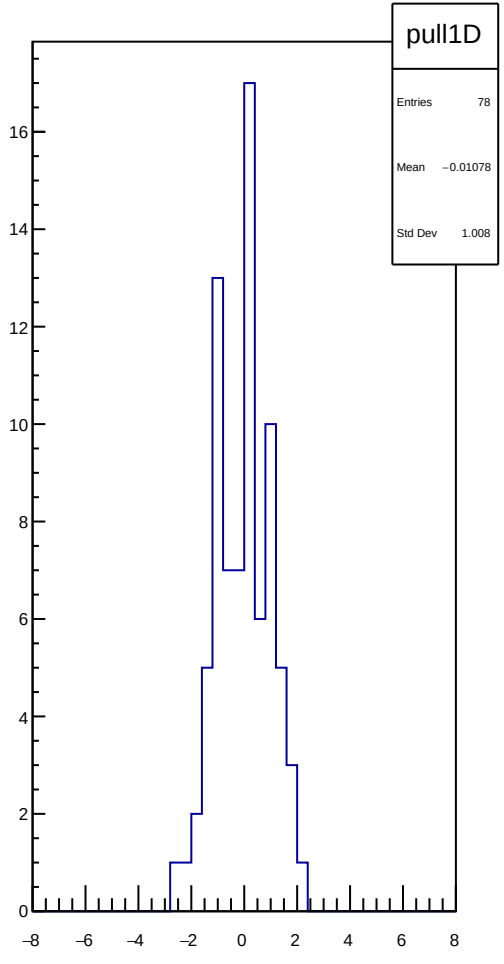

asym_atl_avg_correction_rms vs run
χ² / ndf 2445 / 77
p0 4132 ± 3.303
4600
4400
4200
4000
3800

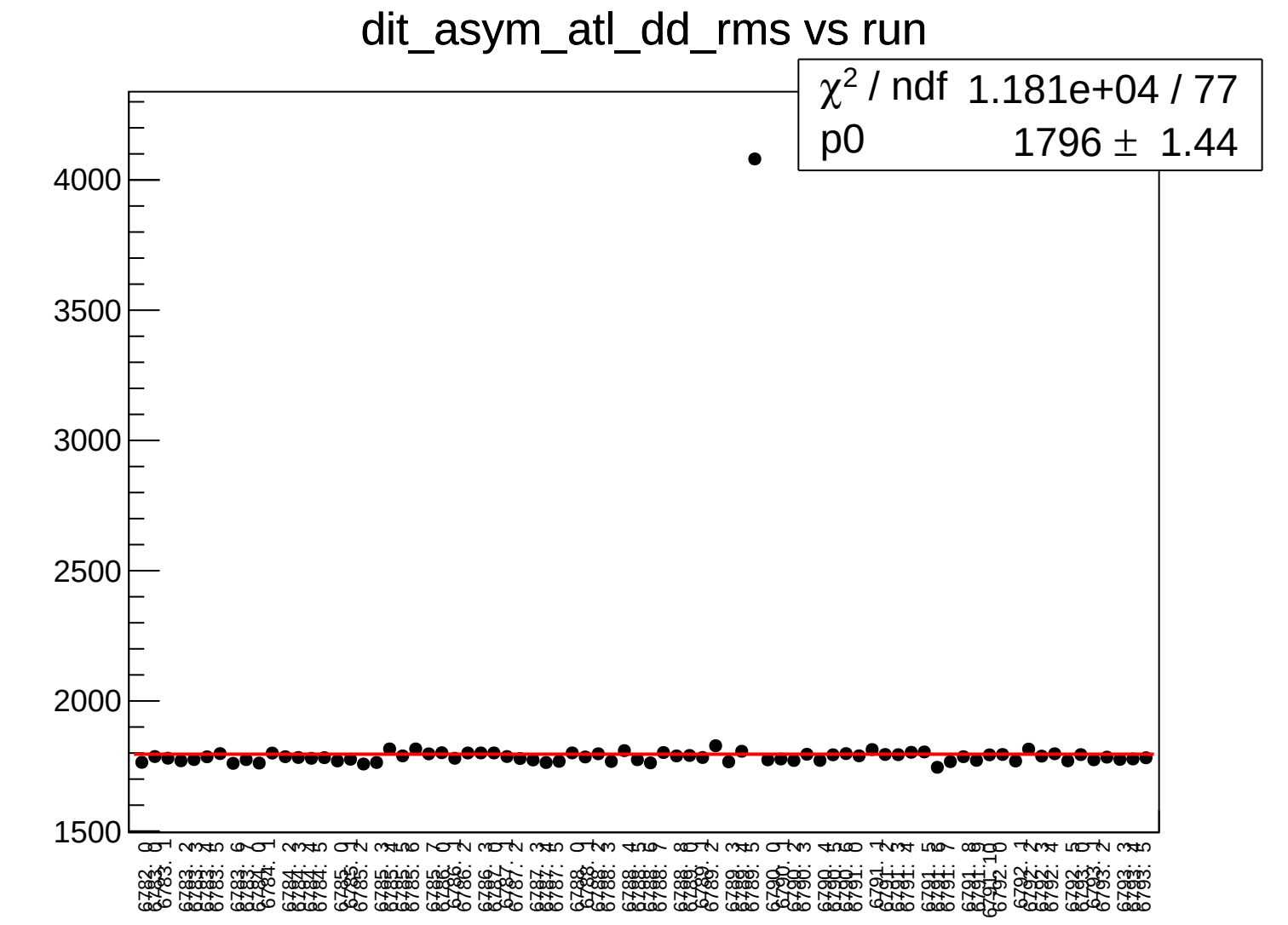

asym_atl_avg_mean vs run
×10^3
χ² / ndf 62.98 / 77
p0 1160 ± 5060
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −93.08
Std Dev 149.1
2
1
0
−1
−2

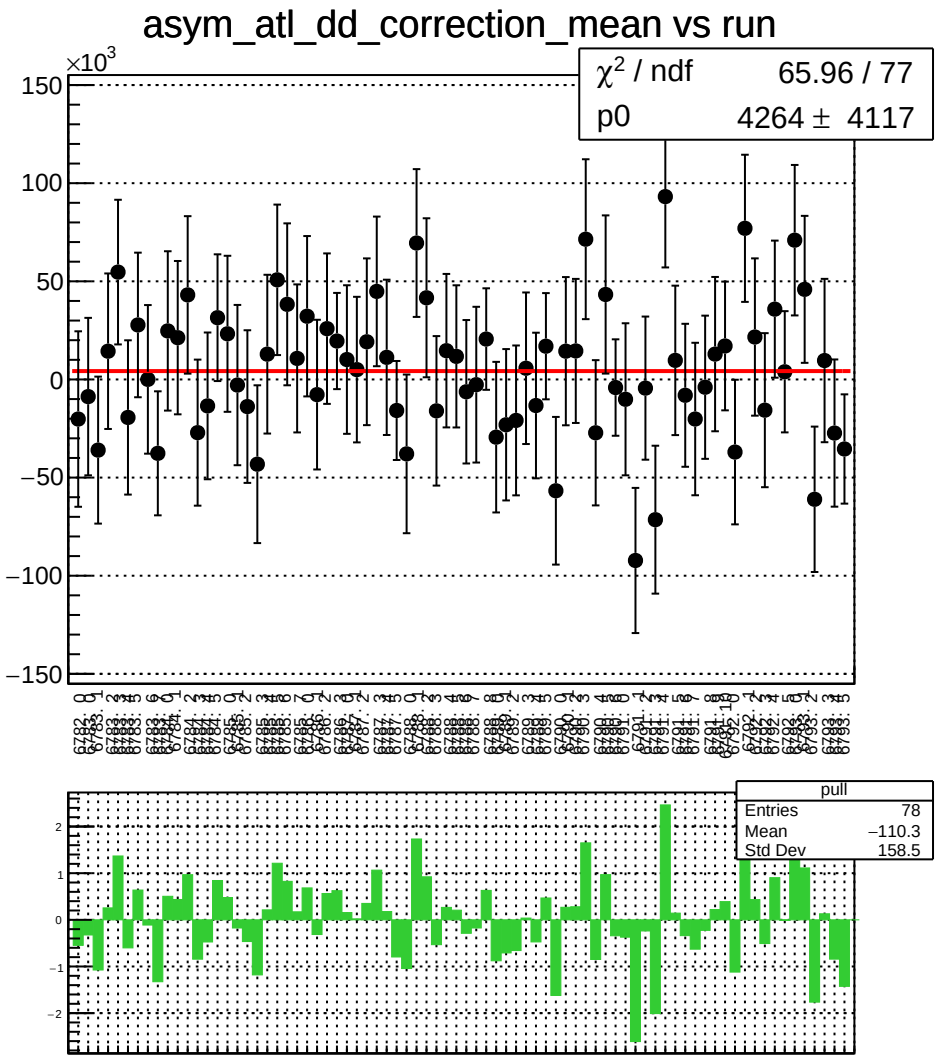

pull1D
Entries 78
Mean 0.009816
Std Dev 0.8985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

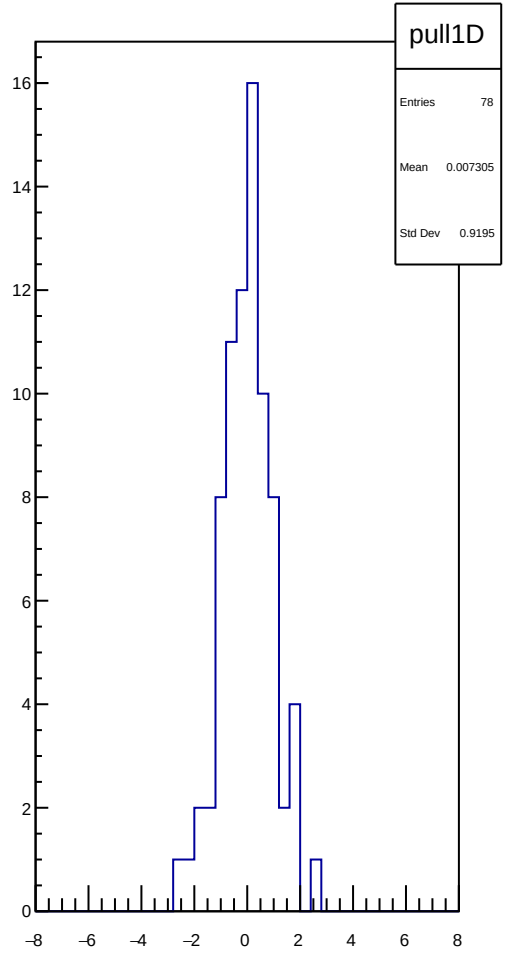

asym_atl_avg_rms vs run
χ² / ndf 4080 / 77
p0 4474 ± 3.578
6000
5500
5000
4500
4000

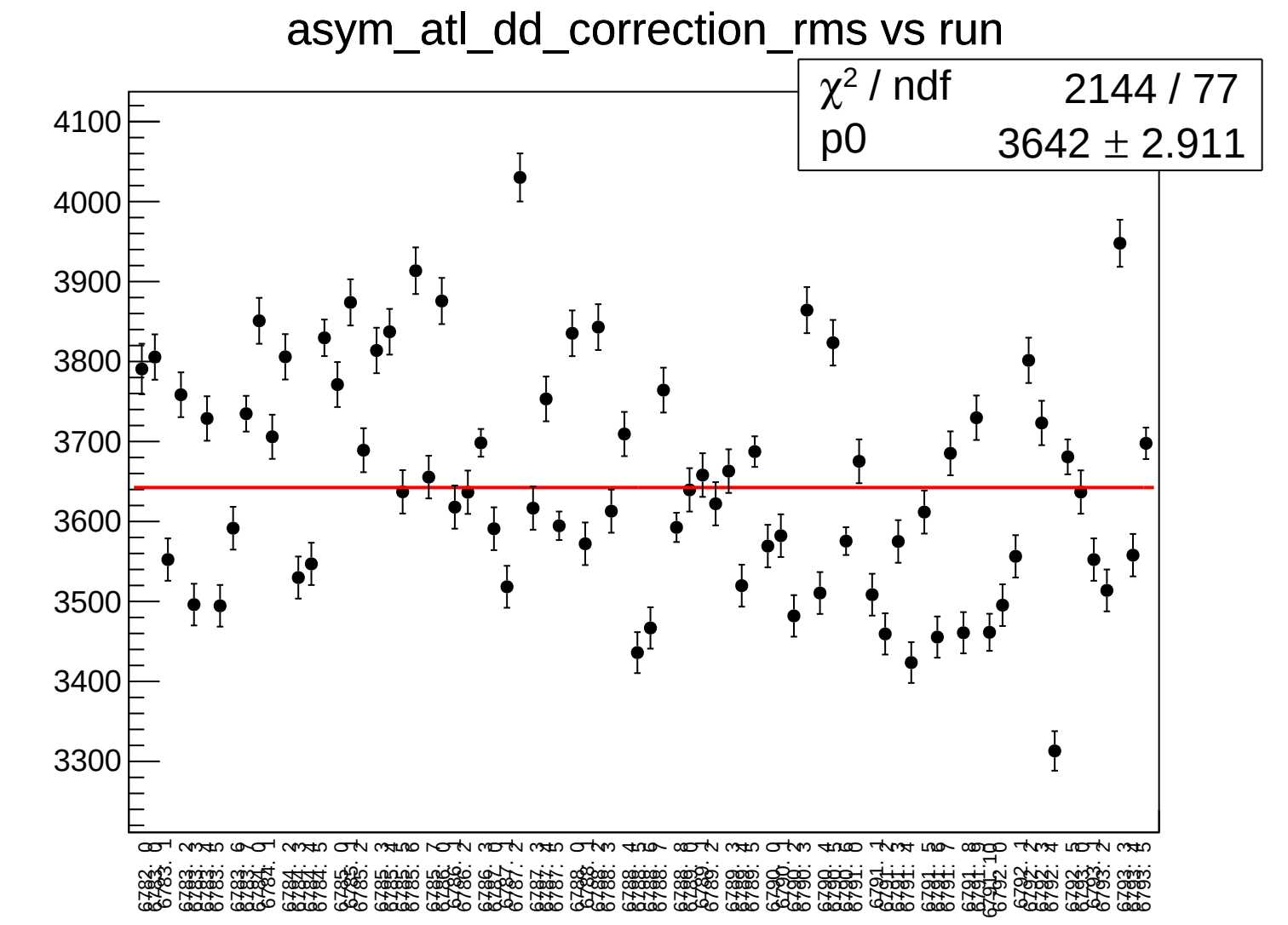

dit_asym_atl_dd_mean vs run
χ² / ndf 79.28 / 77
p0 2151 ± 2036
pull
Entries 78
Mean −202.2
Std Dev 247.2

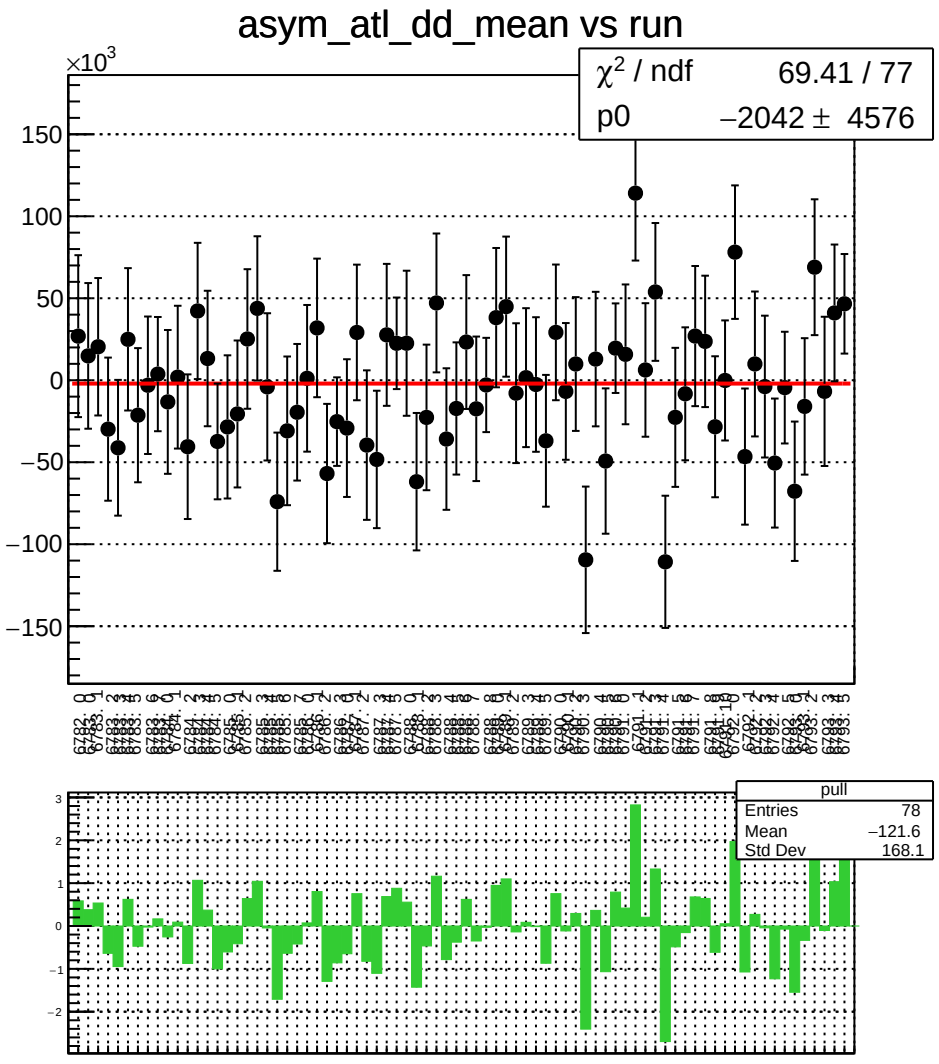

pull1D
Entries 78
Mean −0.01078
Std Dev 1.008

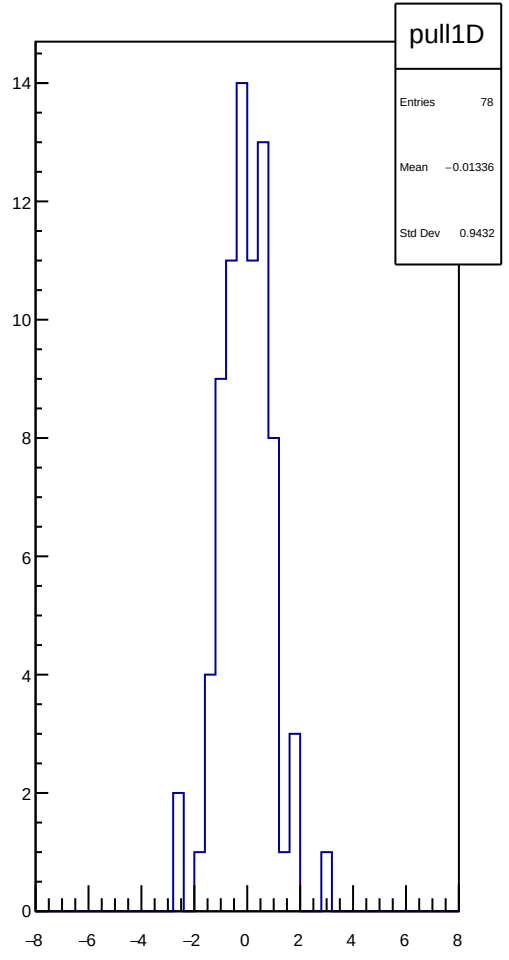

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.181e+04 / 77
p0 1796 ± 1.44
4000
3500
3000
2500
2000
1500

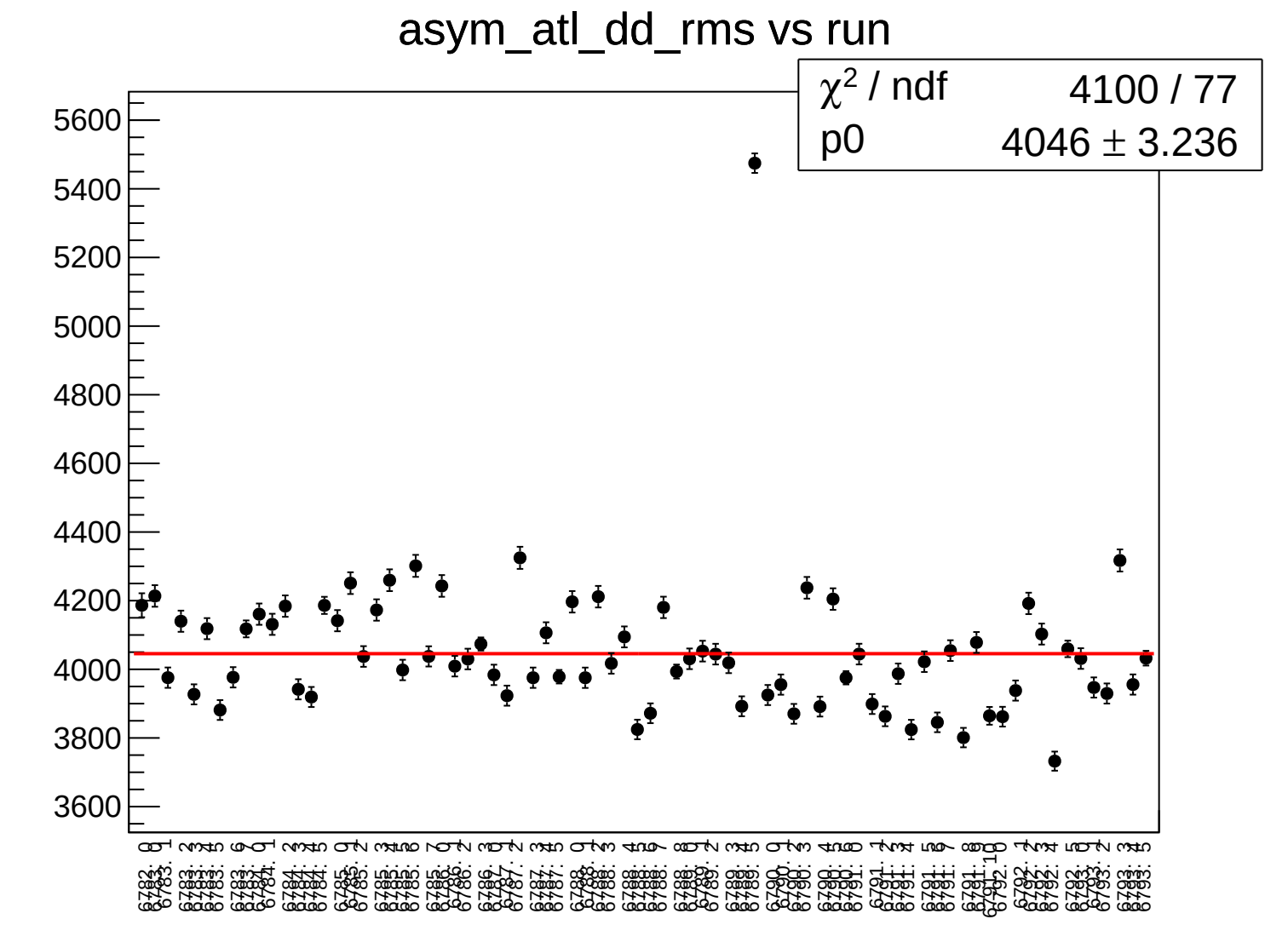

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 65.96 / 77
p0 4264 ± 4117
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −110.3
Std Dev 158.5
2
1
0
−1
−2

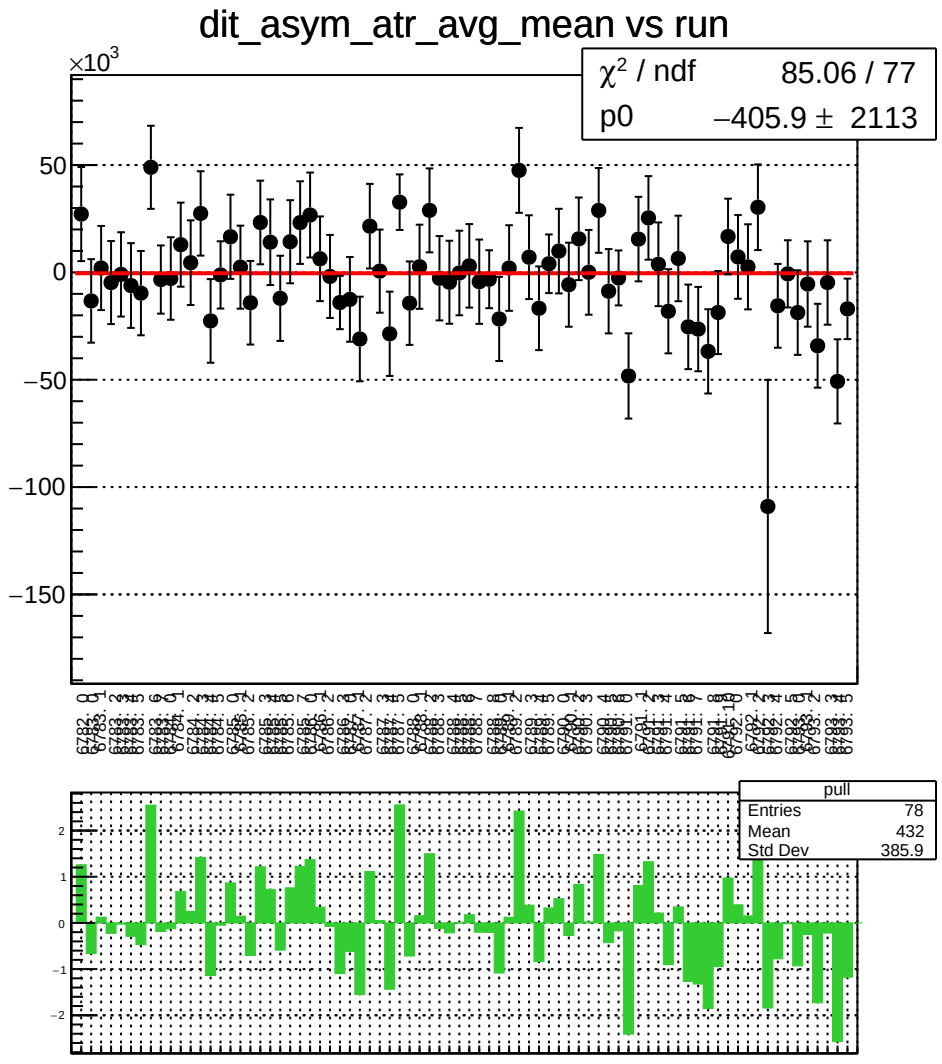

pull1D
Entries 78
Mean 0.007305
Std Dev 0.9195
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

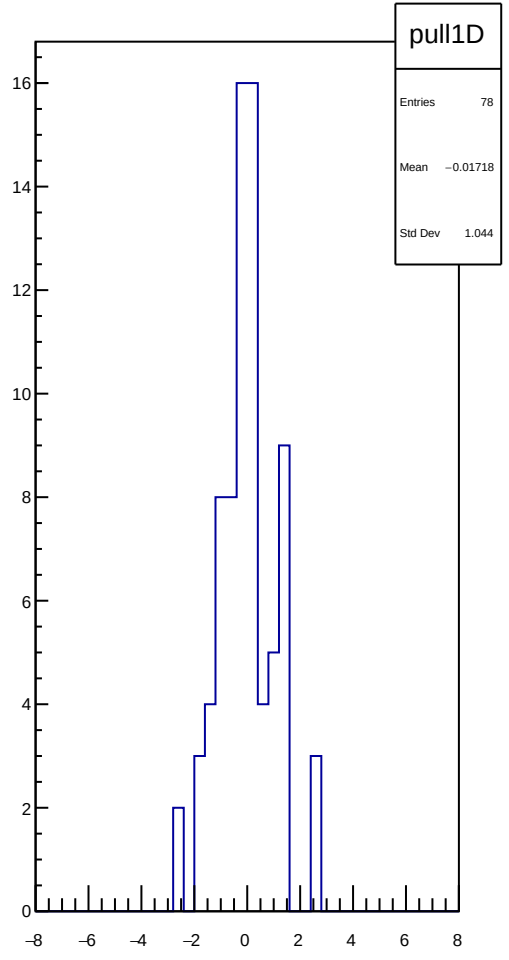

asym_atl_dd_correction_rms vs run
χ² / ndf 2144 / 77
p0 3642 ± 2.911
4100
4000
3900
3800
3700
3600
3500
3400
3300

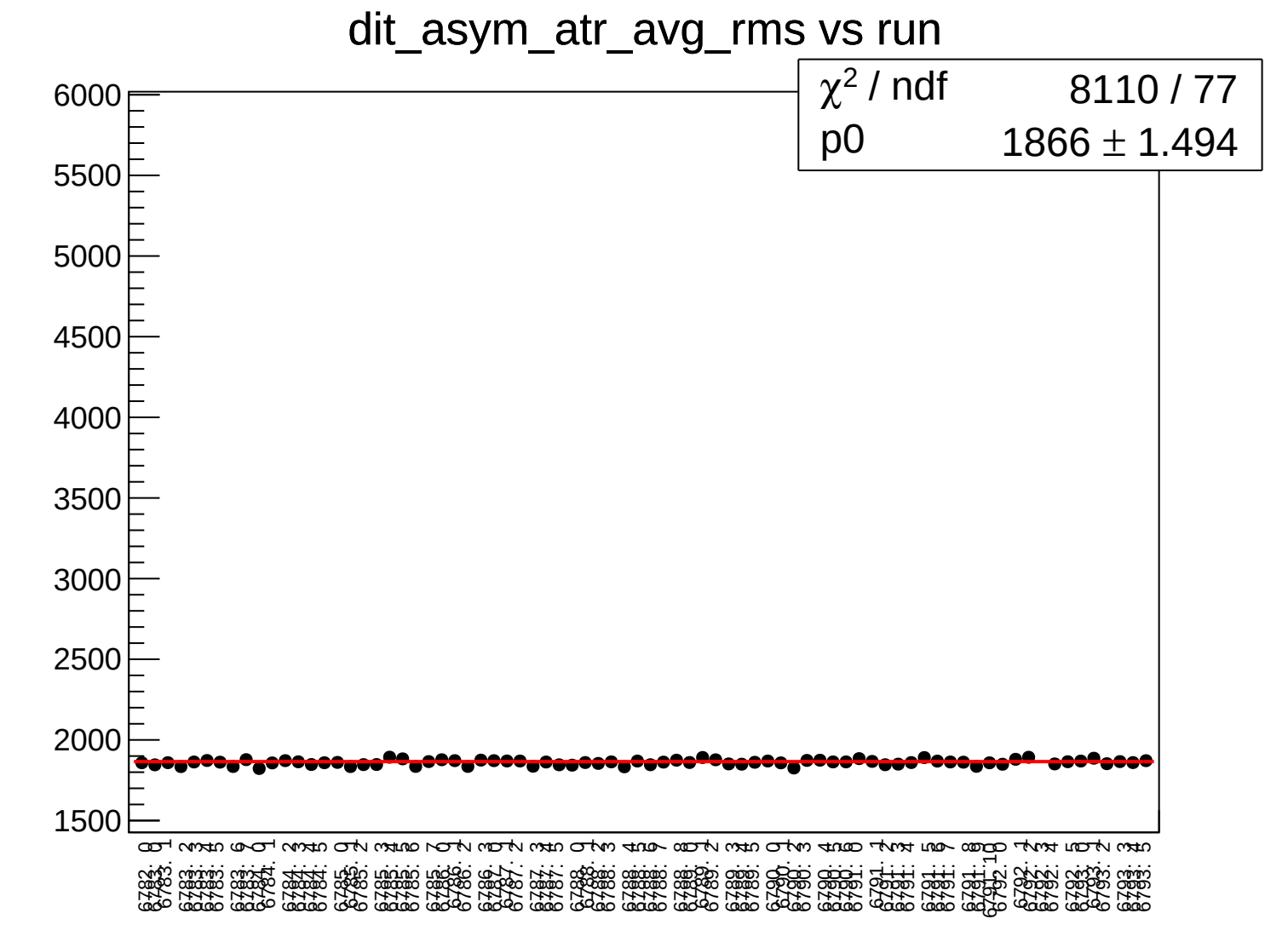

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 69.41 / 77
p0 −2042 ± 4576
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −121.6
Std Dev 168.1
3
2
1
0
−1
−2

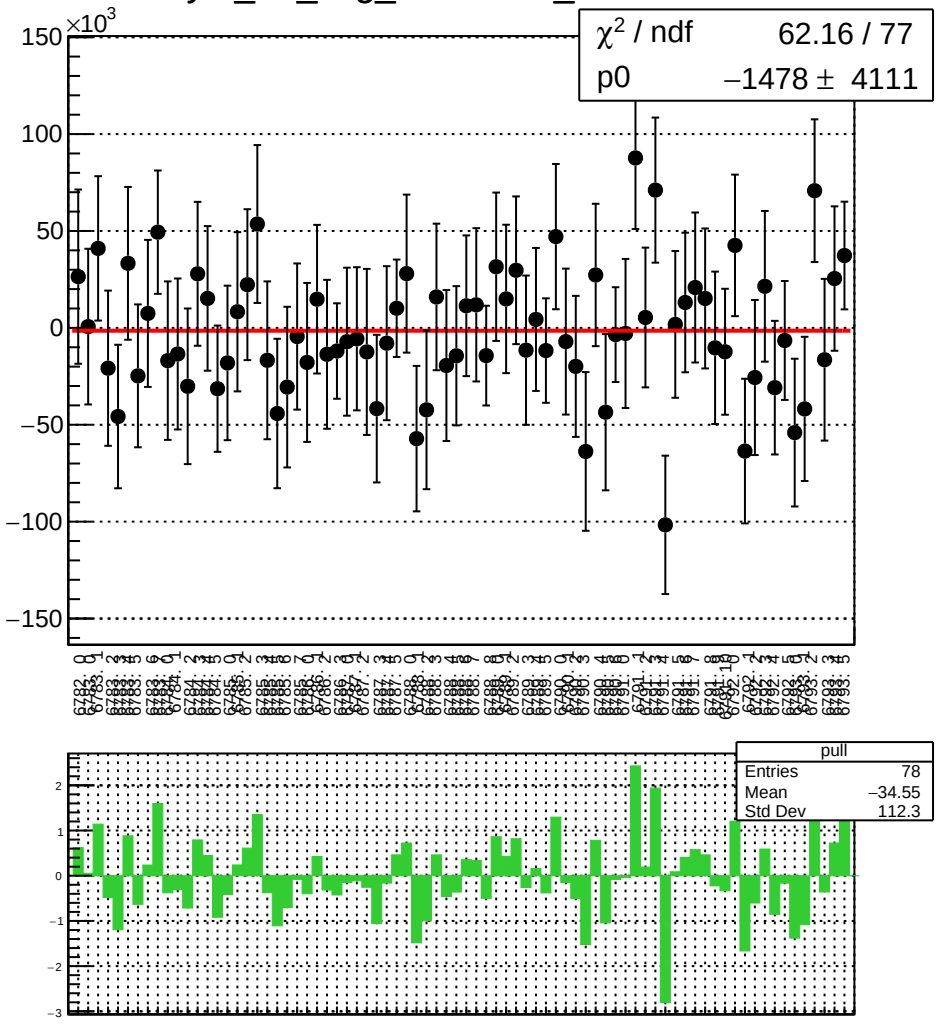

pull1D
Entries 78
Mean −0.01336
Std Dev 0.9432
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

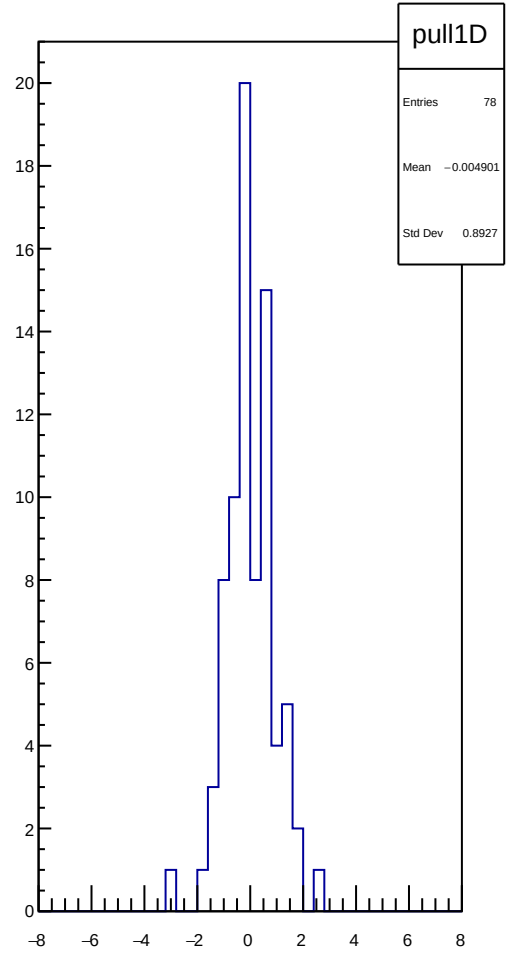

asym_atl_dd_rms vs run
χ² / ndf 4100 / 77
p0 4046 ± 3.236
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

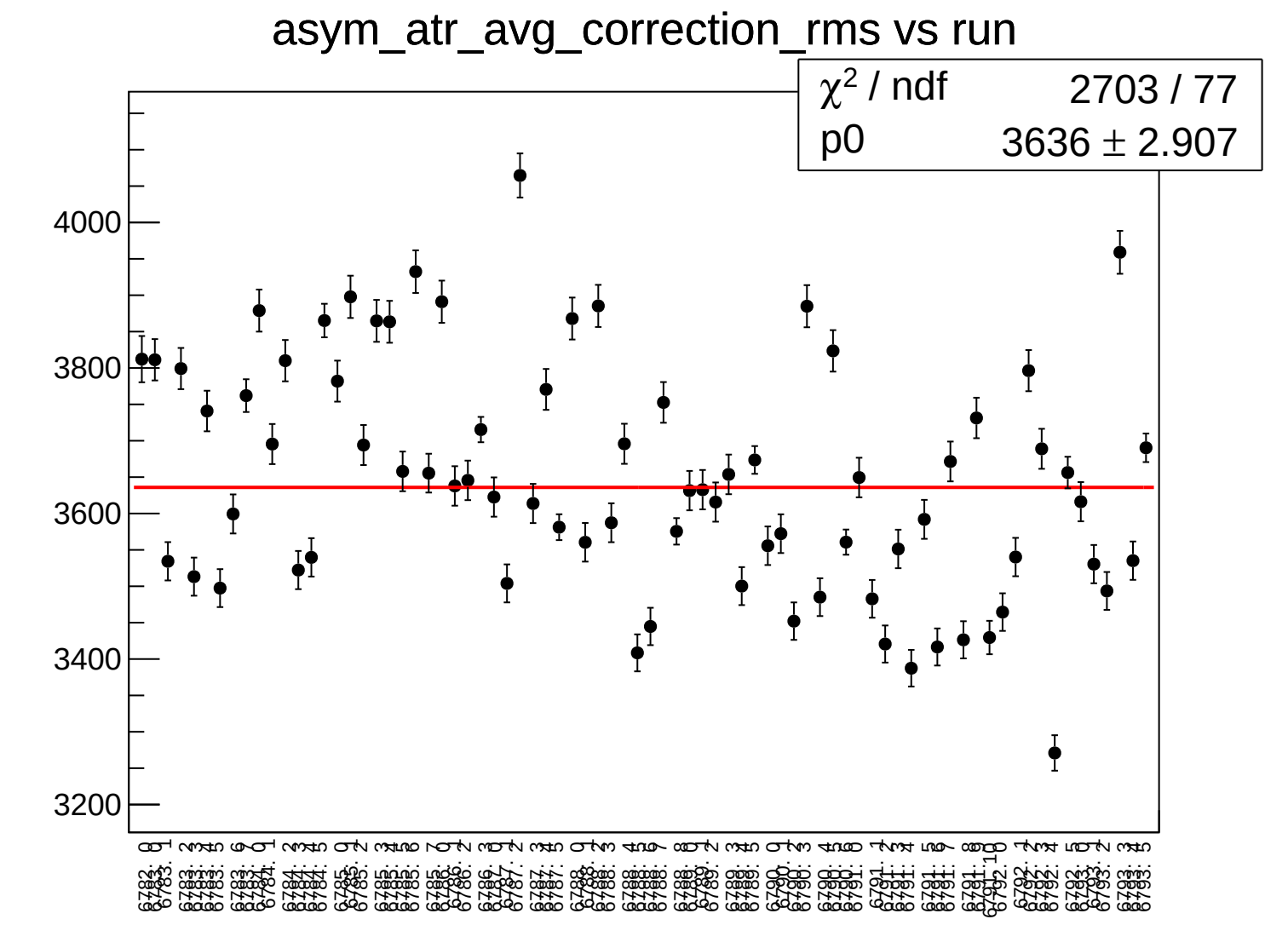

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 85.06 / 77
p0 −405.9 ± 2113
50
0
−50
−100
−150
pull
Entries 78
Mean 432
Std Dev 385.9
2
1
0
−1
−2

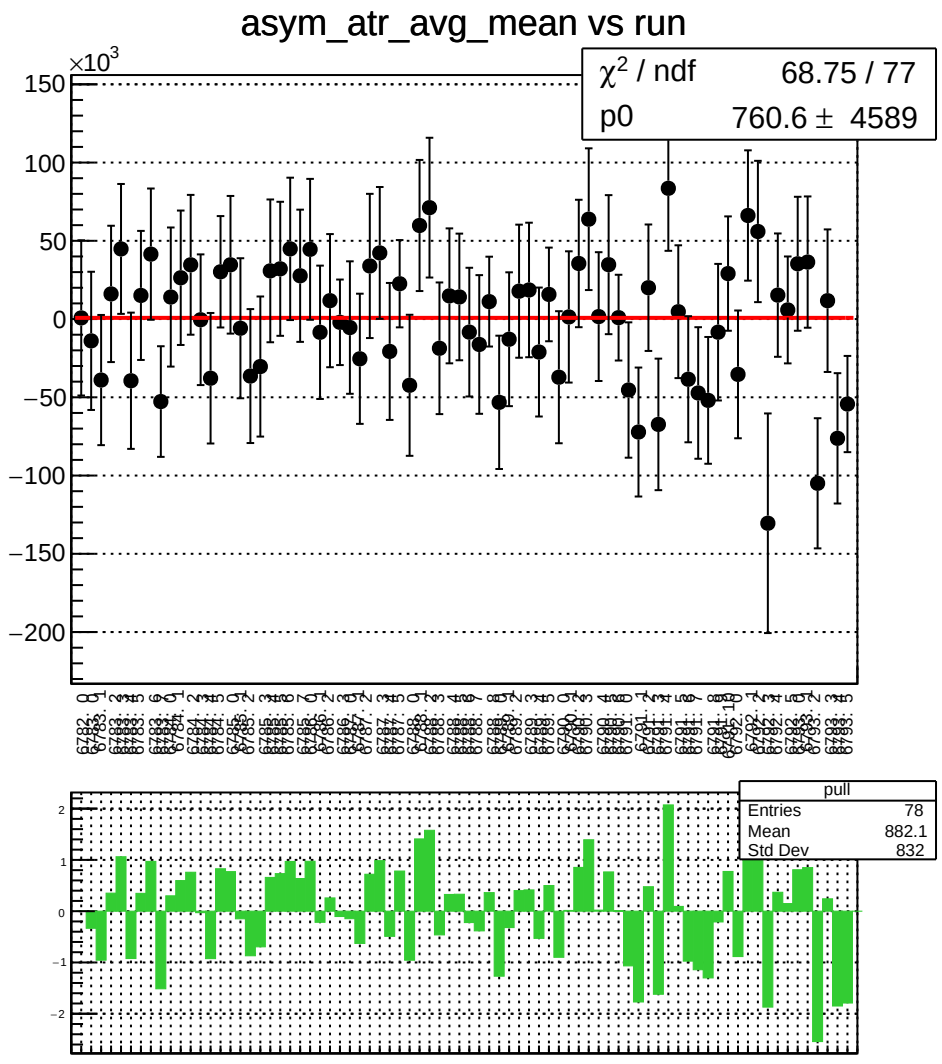

pull1D
Entries 78
Mean −0.01718
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

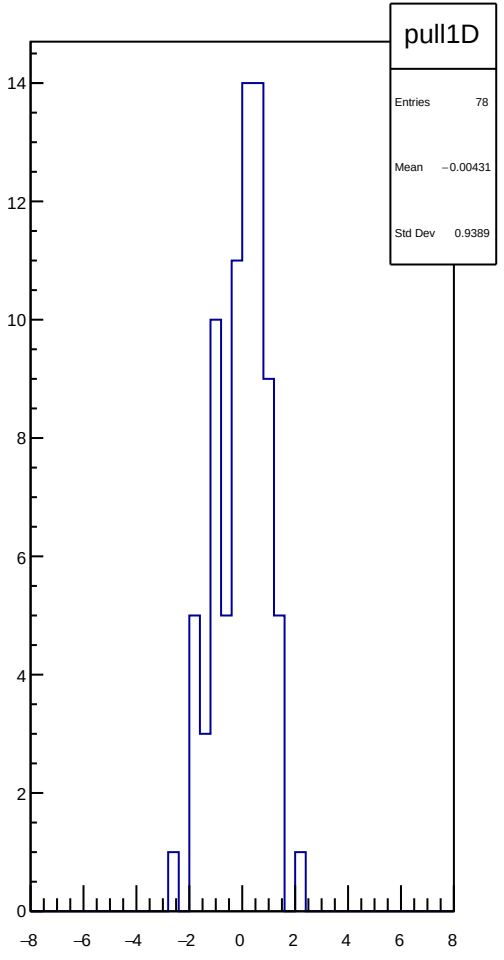

dit_asym_atr_avg_rms vs run
χ² / ndf 8110 / 77
p0 1866 ± 1.494
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

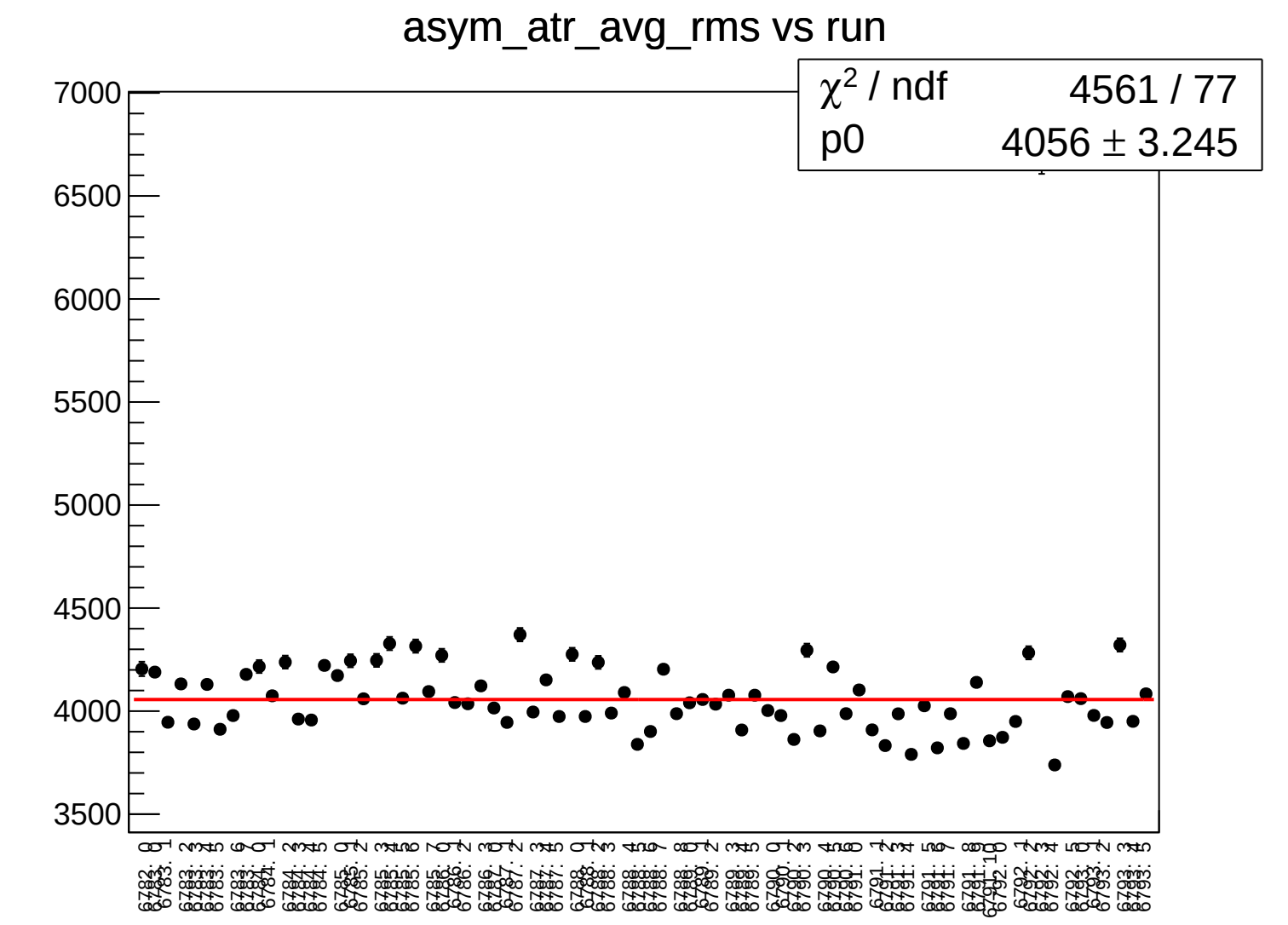

asym_atr_avg_correction_mean vs run
χ² / ndf 62.16 / 77
p0 −1478 ± 4111
×10³
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −34.55
Std Dev 112.3
2
1
0
−1
−2
−3

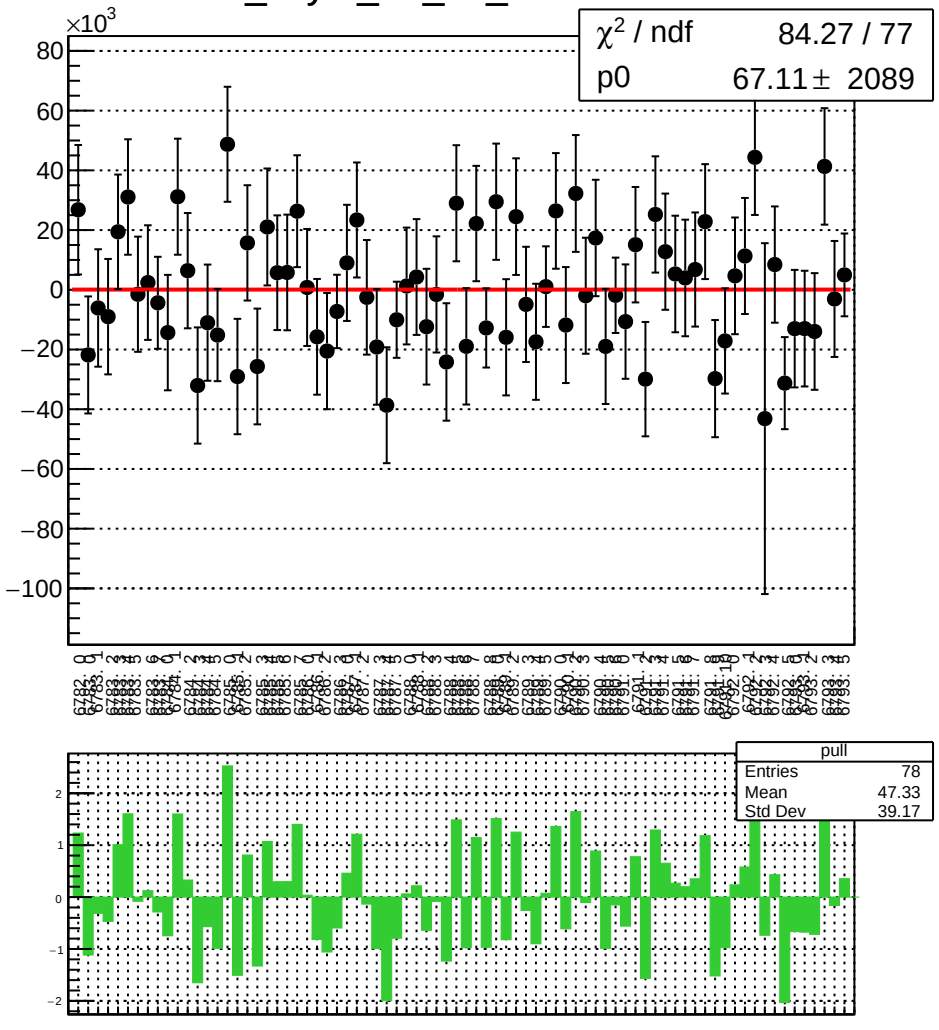

pull1D
Entries 78
Mean −0.004901
Std Dev 0.8927
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

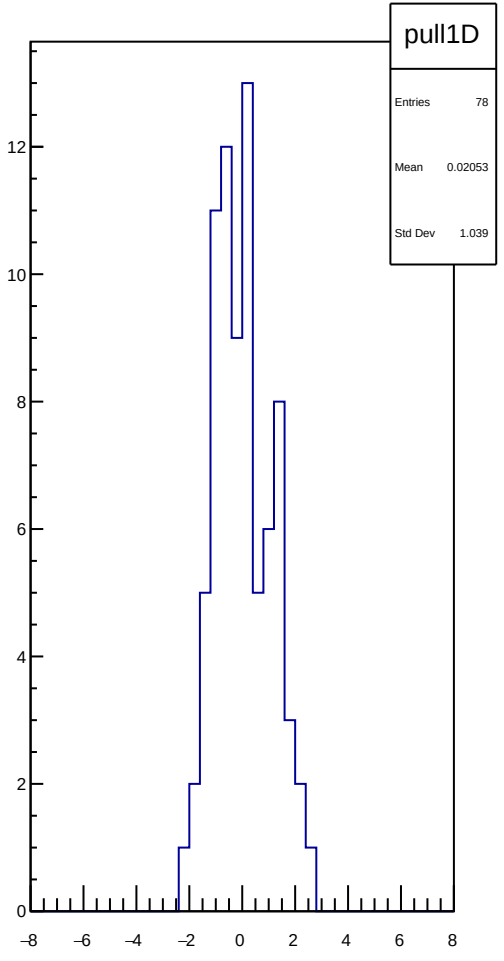

asym_atr_avg_correction_rms vs run
χ² / ndf 2703 / 77
p0 3636 ± 2.907
4000
3800
3600
3400
3200

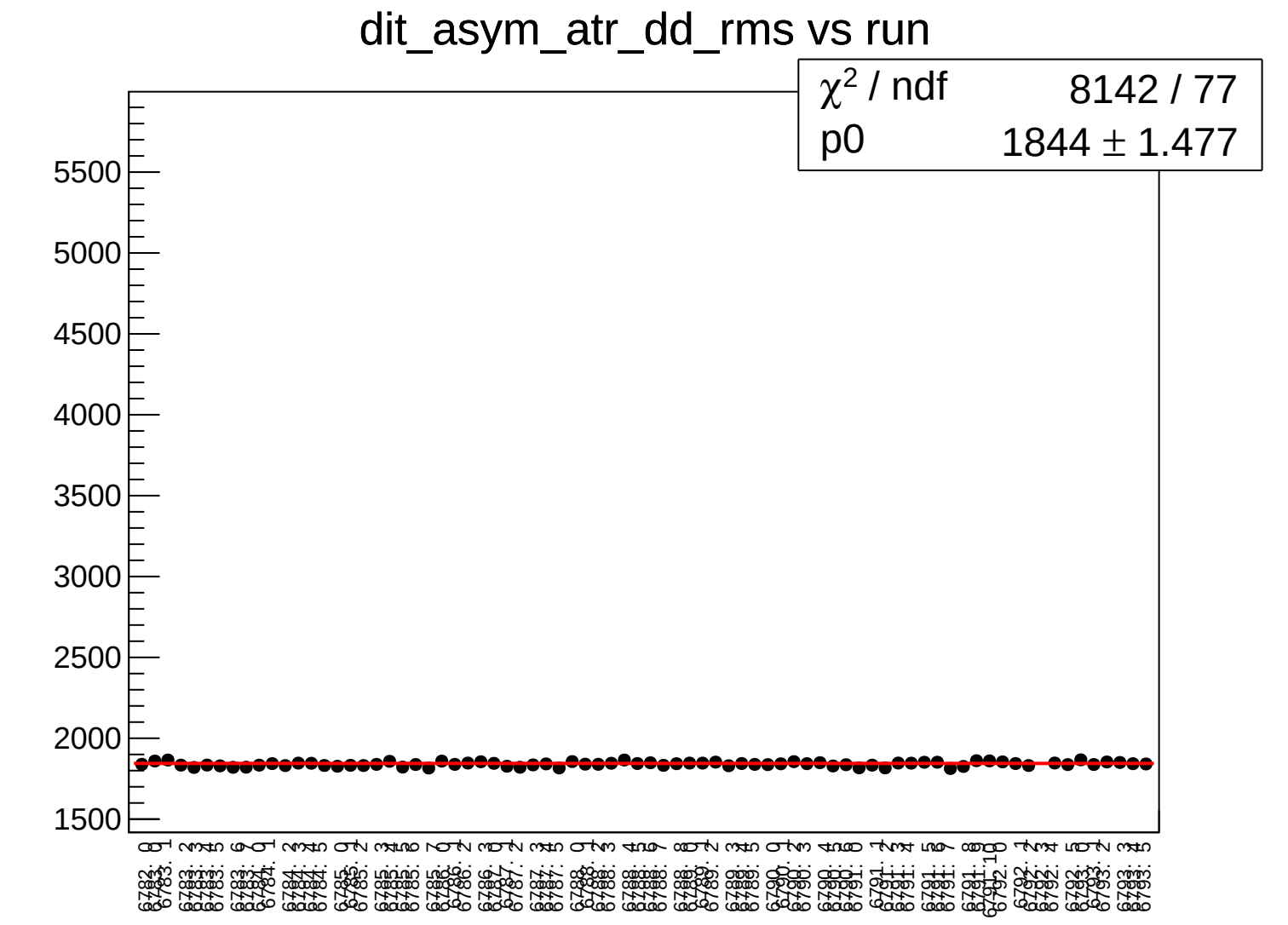

asym_atr_avg_mean vs run
×10^3
χ² / ndf 68.75 / 77
p0 760.6 ± 4589
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 882.1
Std Dev 832
2
1
0
−1
−2


pull1D
Entries 78
Mean −0.00431
Std Dev 0.9389
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

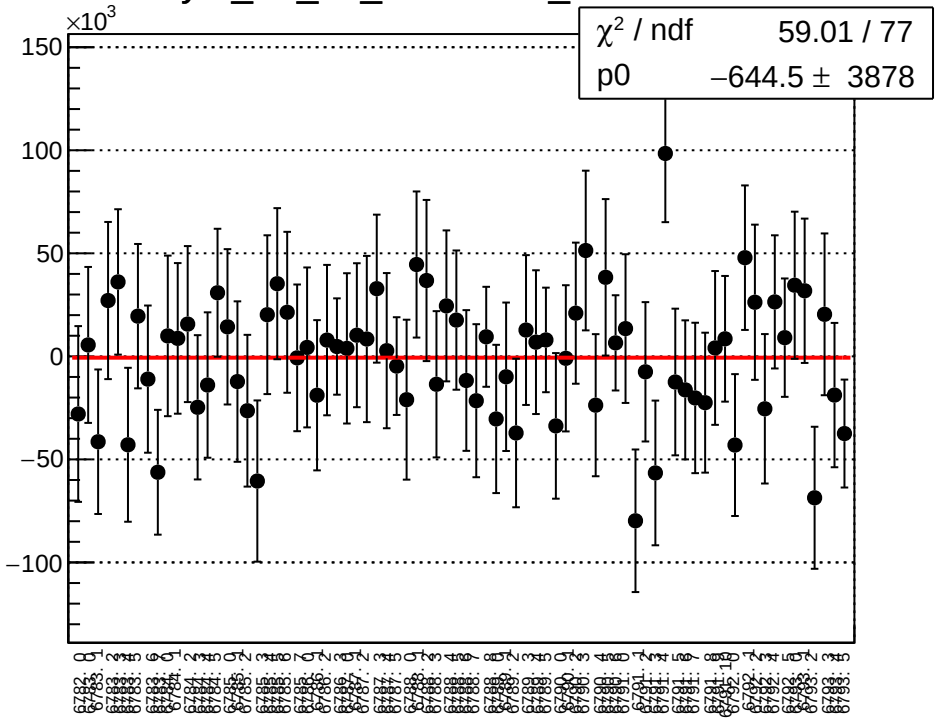

asym_atr_avg_rms vs run
χ² / ndf 4561 / 77
p0 4056 ± 3.245
7000
6500
6000
5500
5000
4500
4000
3500

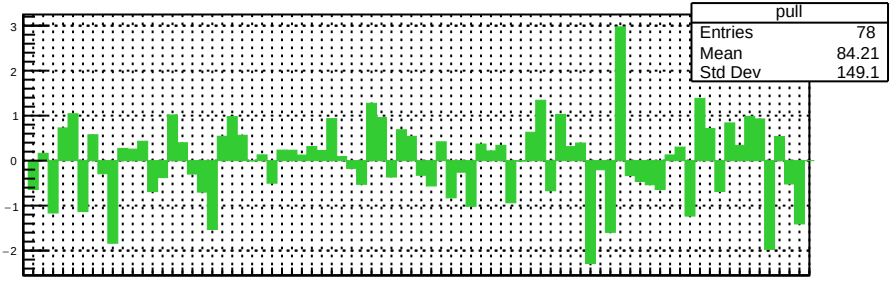

dit_asym_atr_dd_mean vs run
χ² / ndf 84.27 / 77
p0 67.11 ± 2089
pull
Entries 78
Mean 47.33
Std Dev 39.17

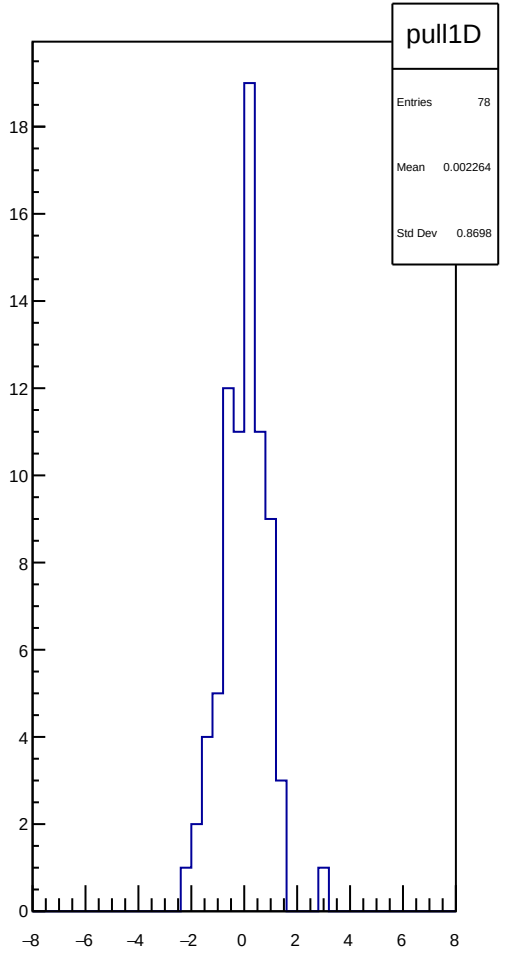

pull1D
Entries 78
Mean 0.02053
Std Dev 1.039

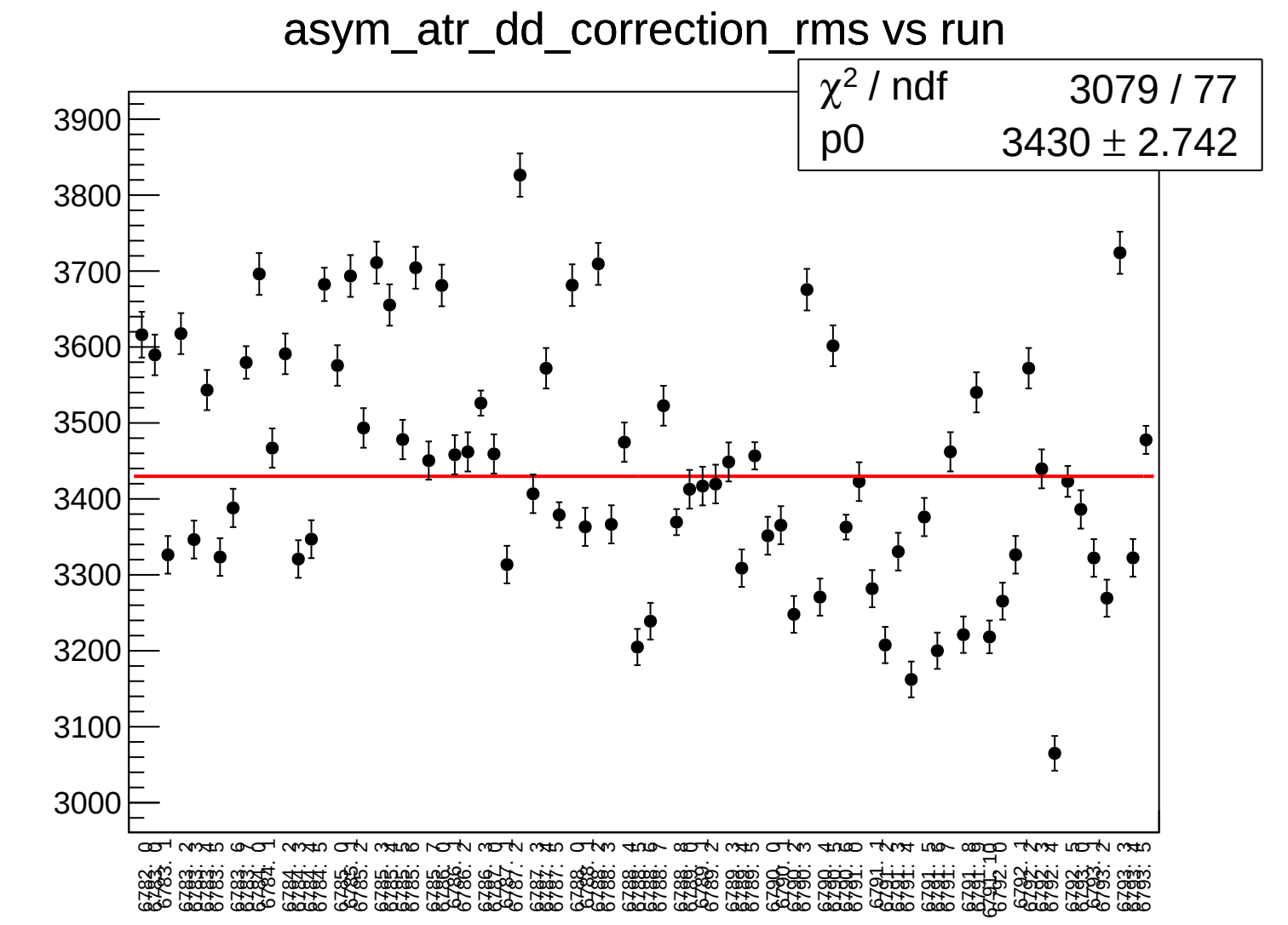

dit_asym_atr_dd_rms vs run
χ² / ndf 8142 / 77
p0 1844 ± 1.477
5500
5000
4500
4000
3500
3000
2500
2000
1500

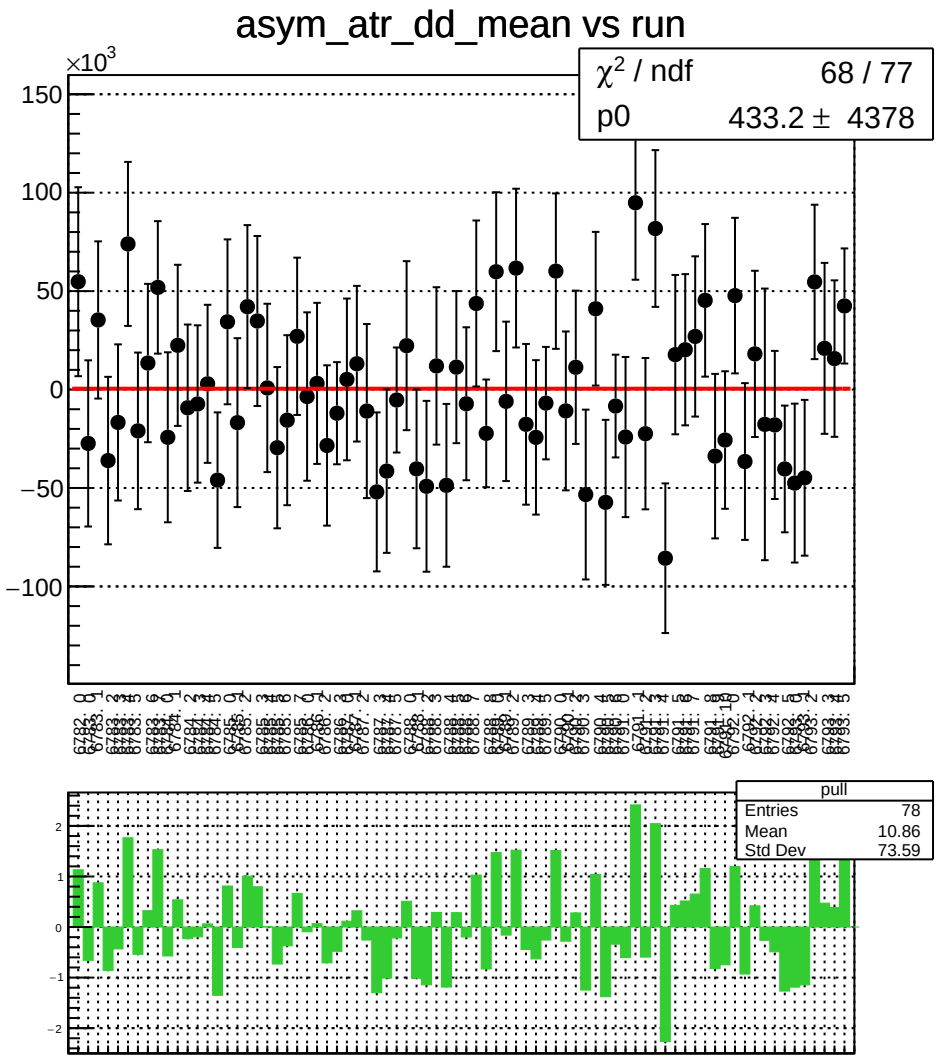
asym_atr_dd_correction_mean vs run

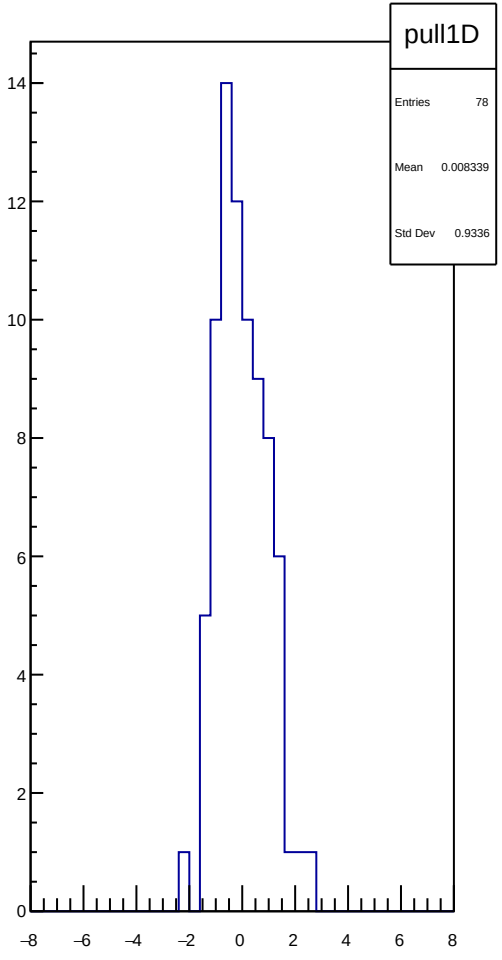


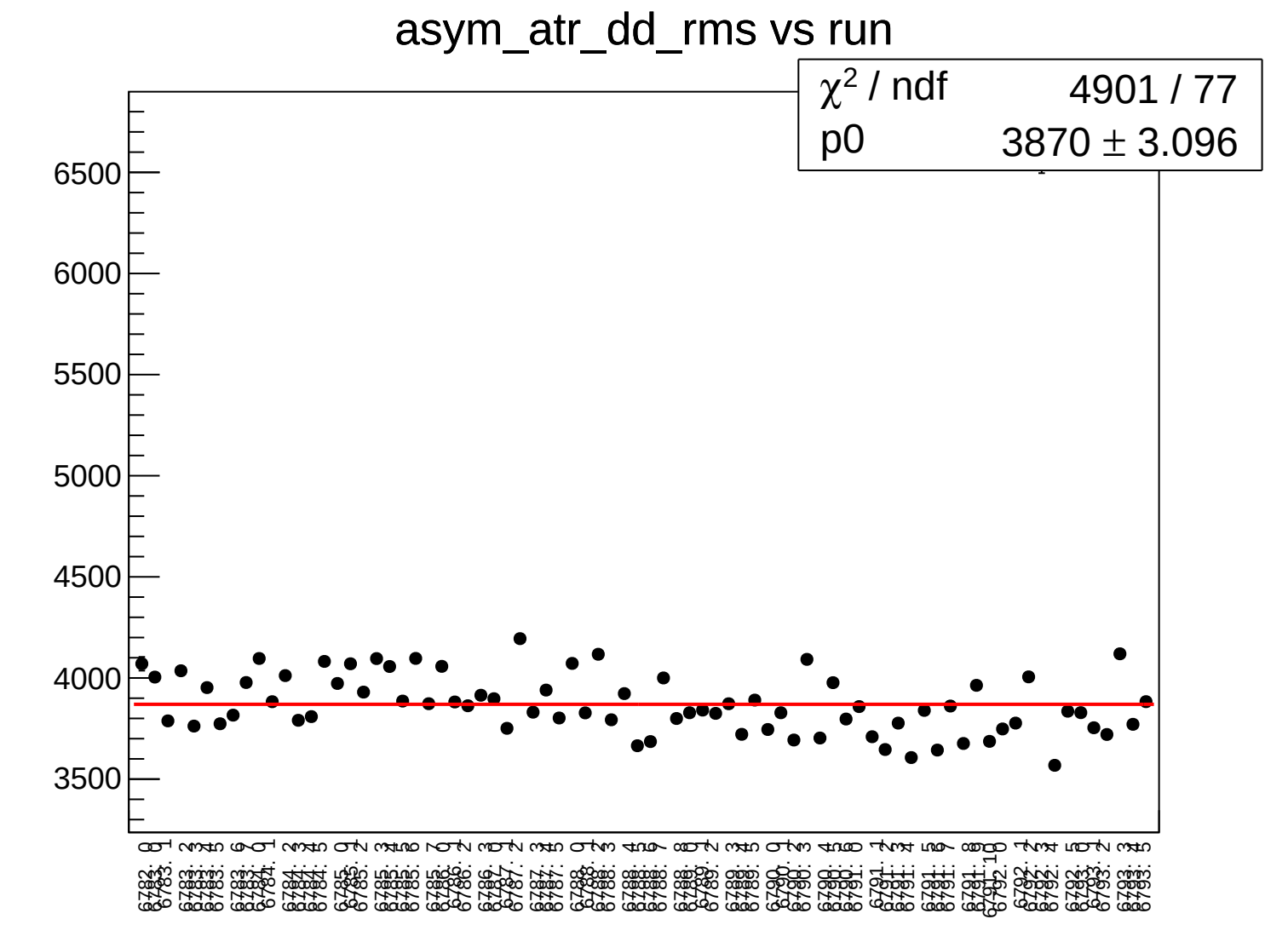


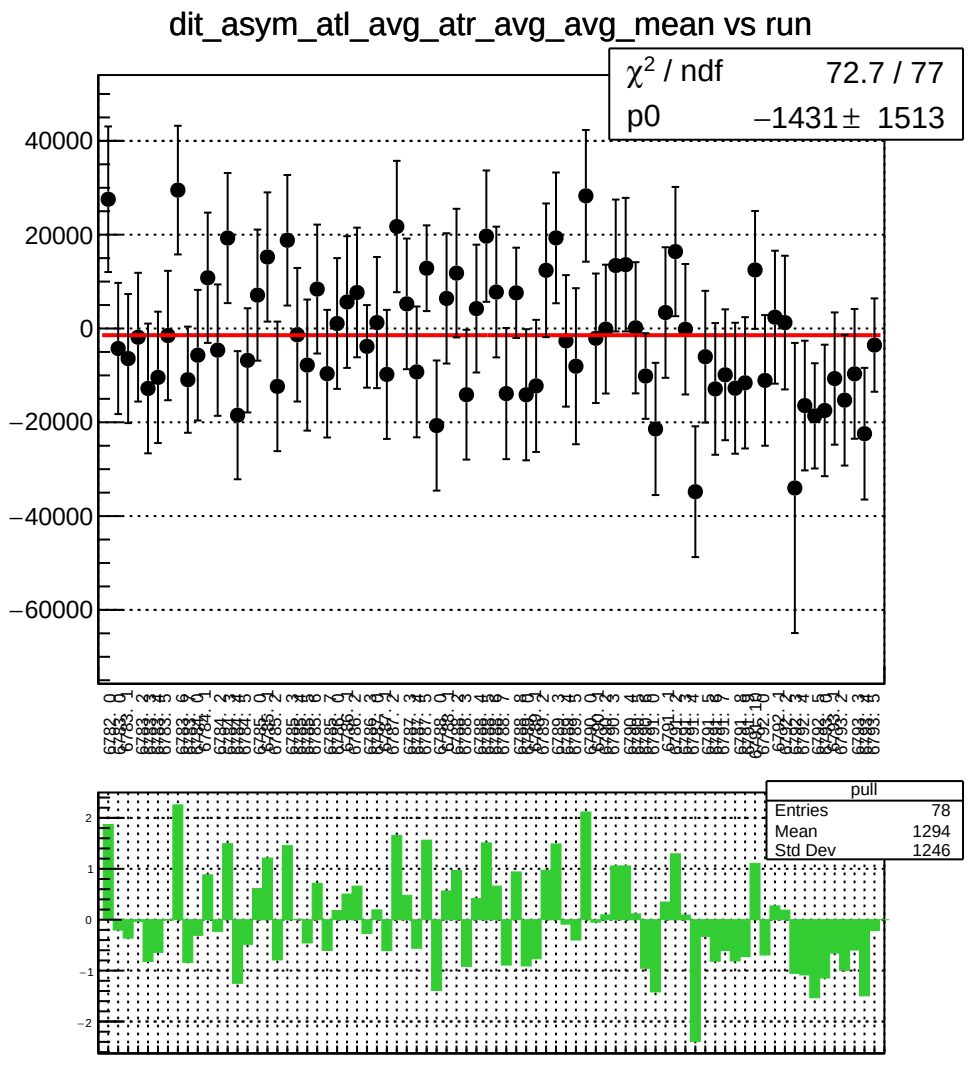


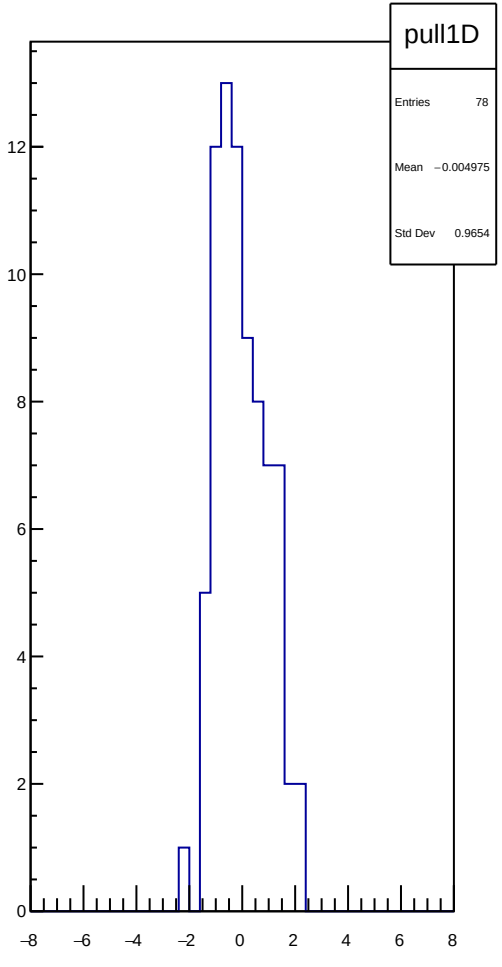

asym_atr_dd_correction_rms vs run
χ² / ndf 3079 / 77
p0 3430 ± 2.742
3900
3800
3700
3600
3500
3400
3300
3200
3100
3000

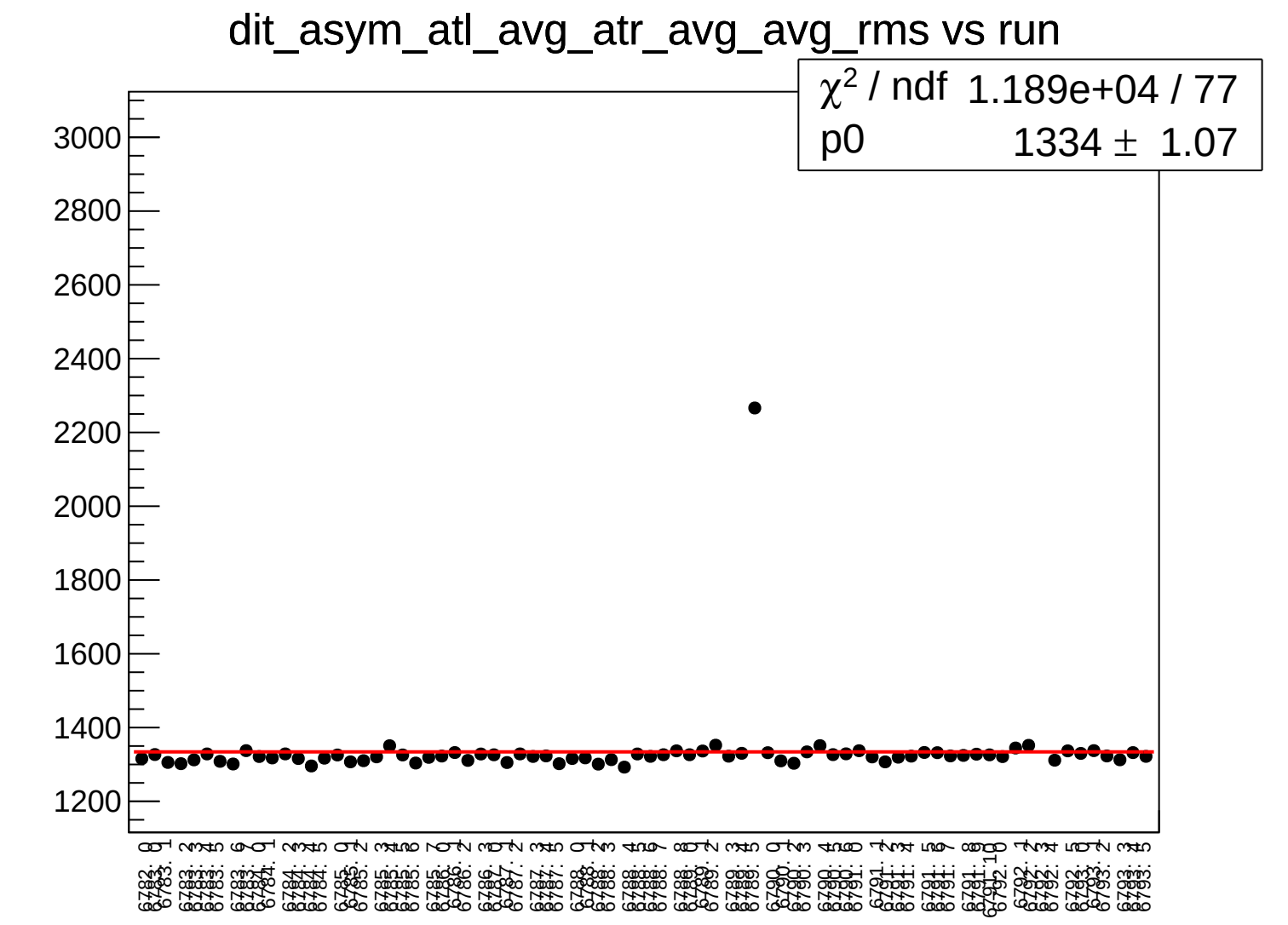

asym_atr_dd_mean vs run
×10^3
χ² / ndf 68 / 77
p0 433.2 ± 4378
150
100
50
0
−50
−100
pull
Entries 78
Mean 10.86
Std Dev 73.59
2
1
0
−1
−2

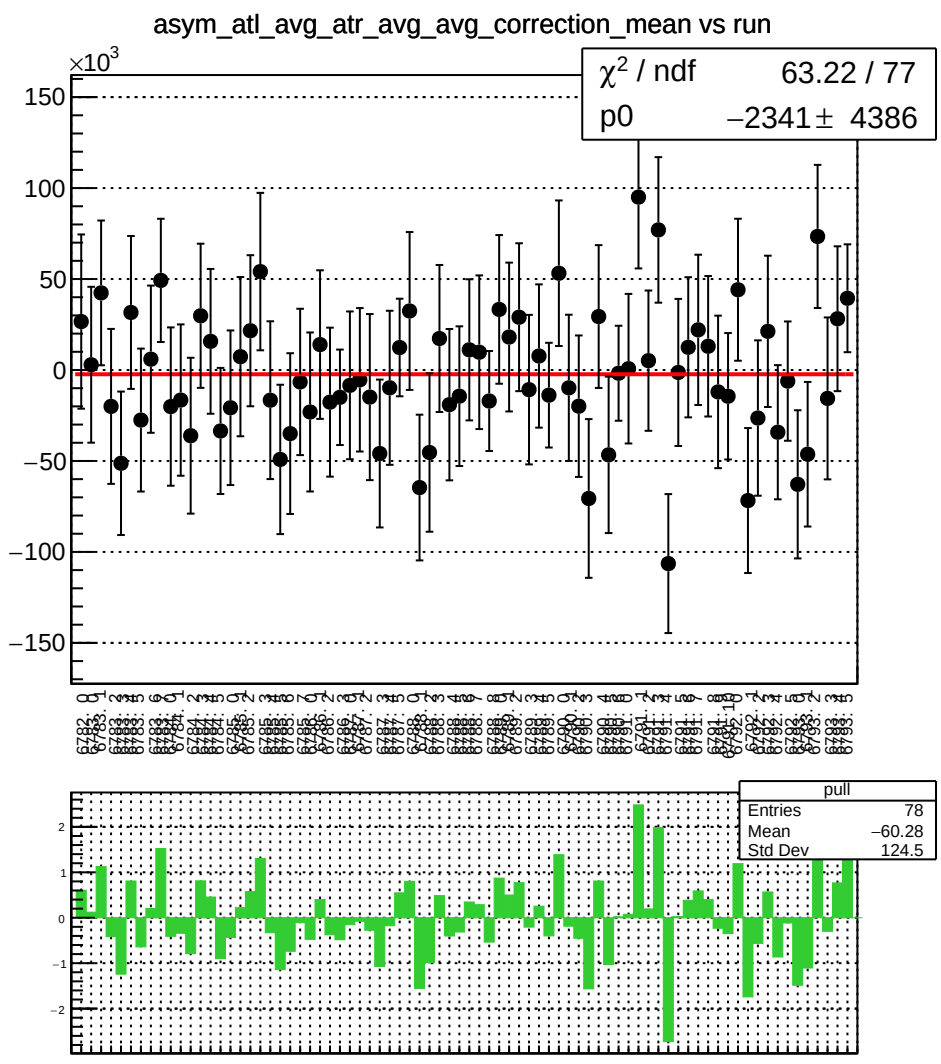

pull1D
Entries 78
Mean 0.008339
Std Dev 0.9336
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

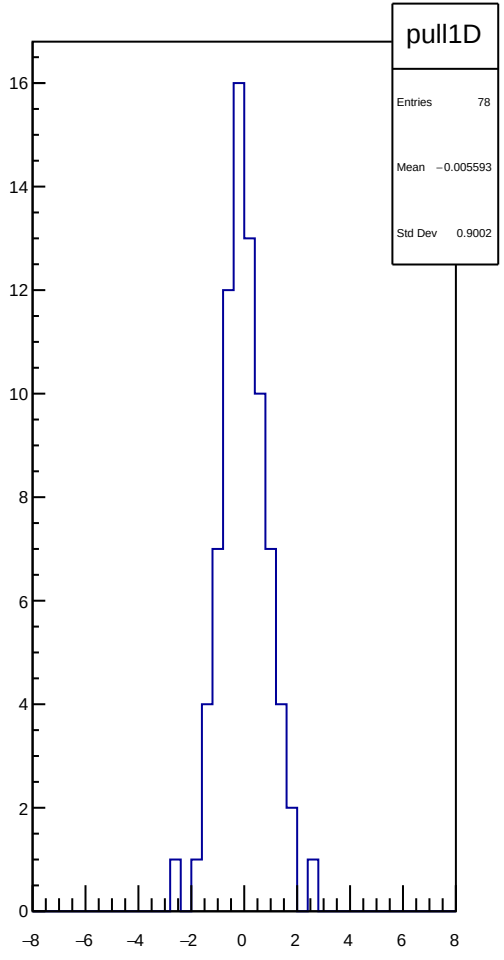

asym_atr_dd_rms vs run
χ² / ndf 4901 / 77
p0 3870 ± 3.096
6500
6000
5500
5000
4500
4000
3500

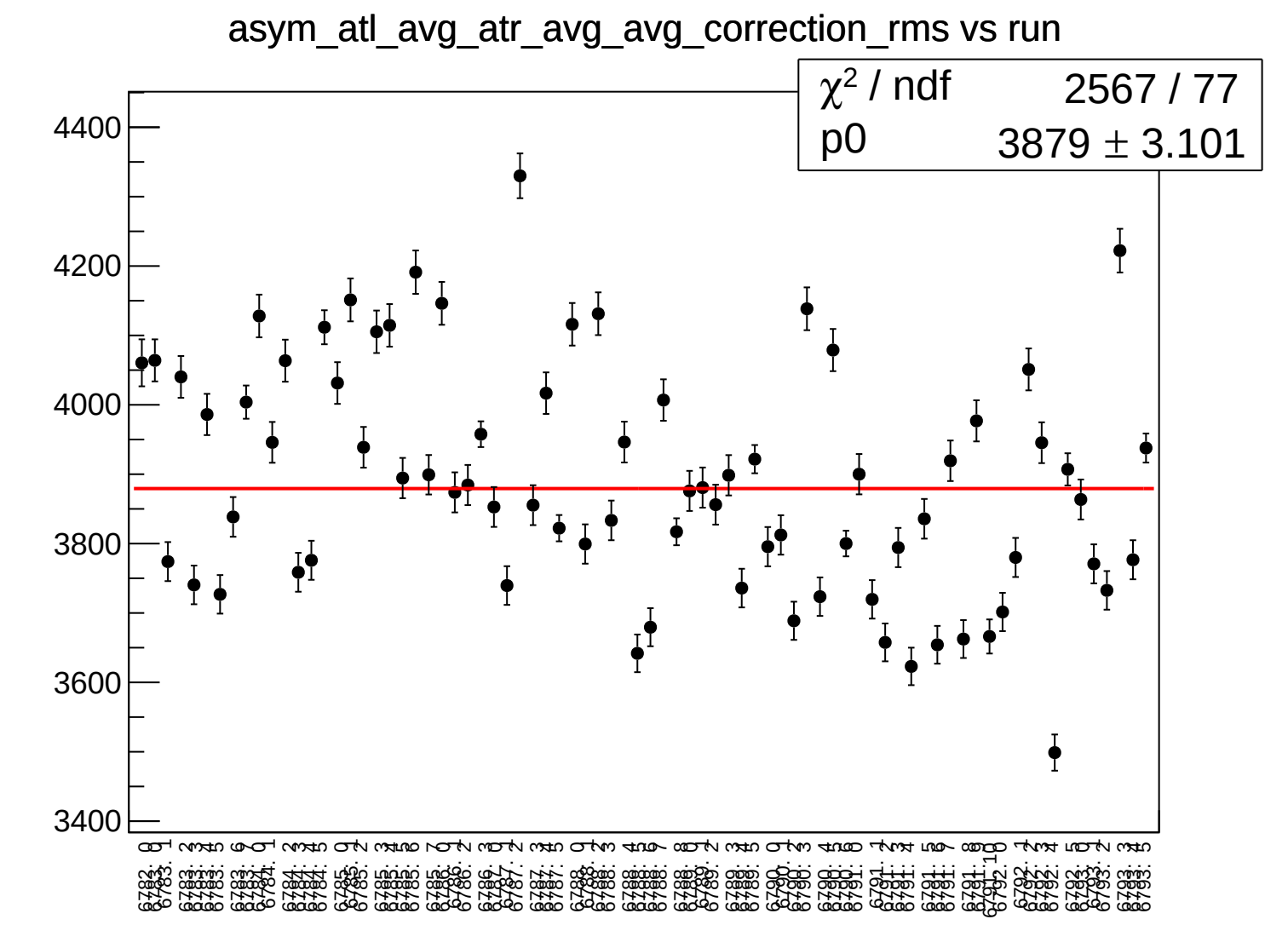

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 72.7 / 77
p0 −1431 ± 1513
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean 1294
Std Dev 1246
2
1
0
−1
−2

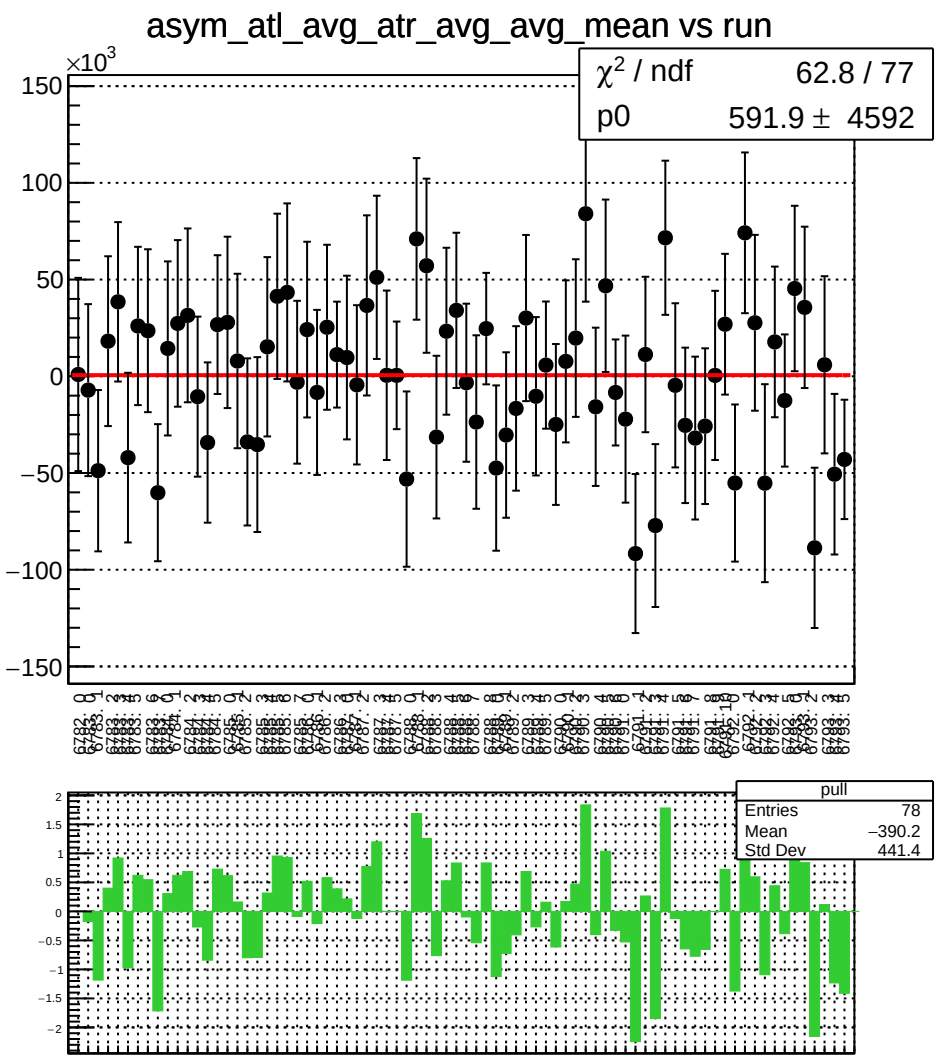

pull1D
Entries 78
Mean −0.004975
Std Dev 0.9654
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

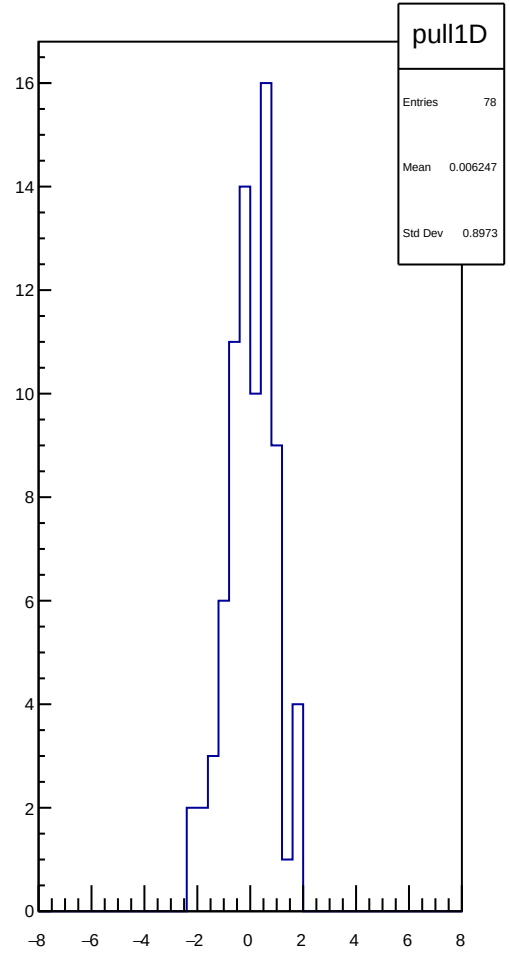

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.189e+04 / 77
p0 1334 ± 1.07
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

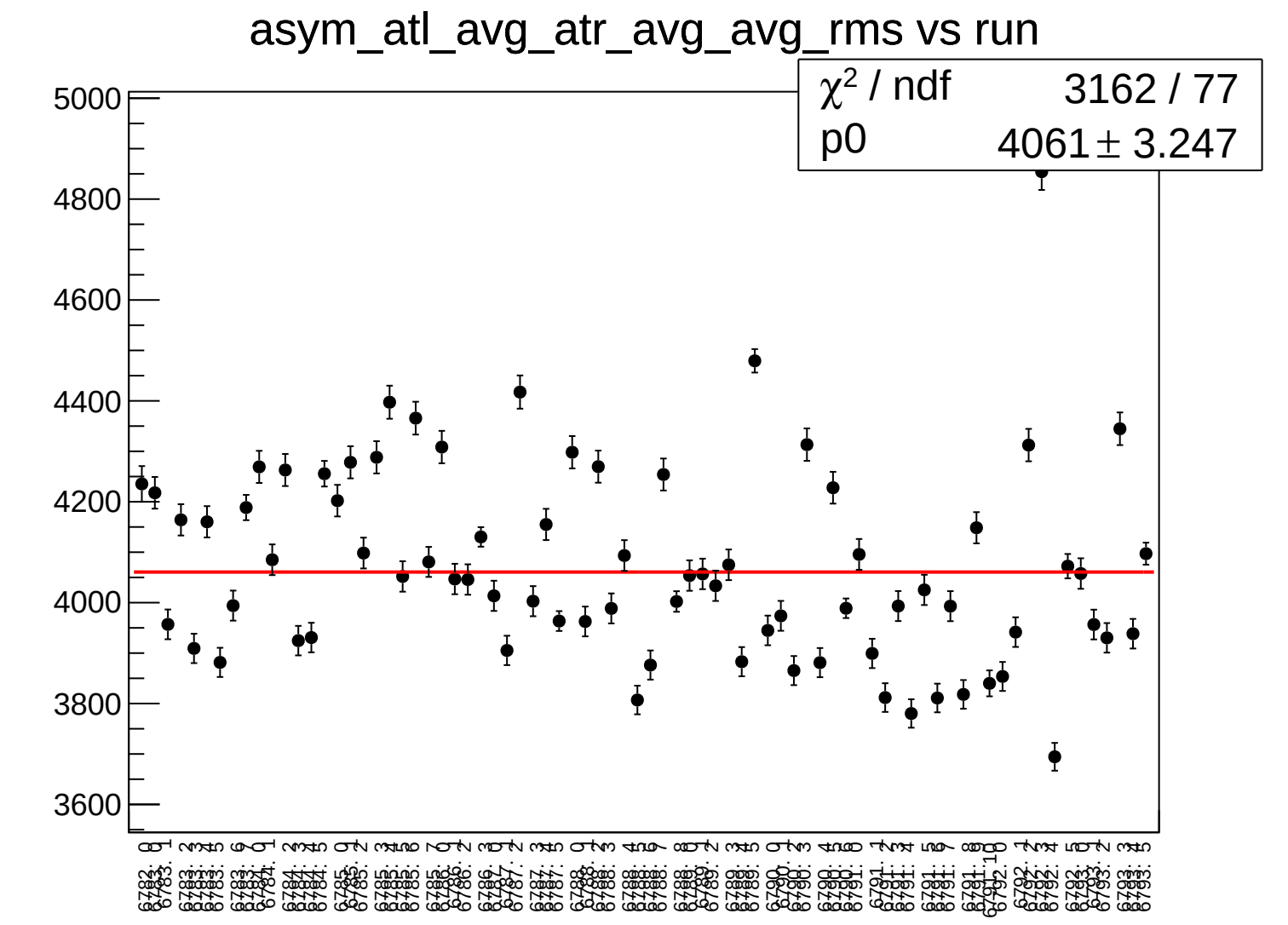

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 63.22 / 77
p0 −2341 ± 4386
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −60.28
Std Dev 124.5
2
1
0
−1
−2

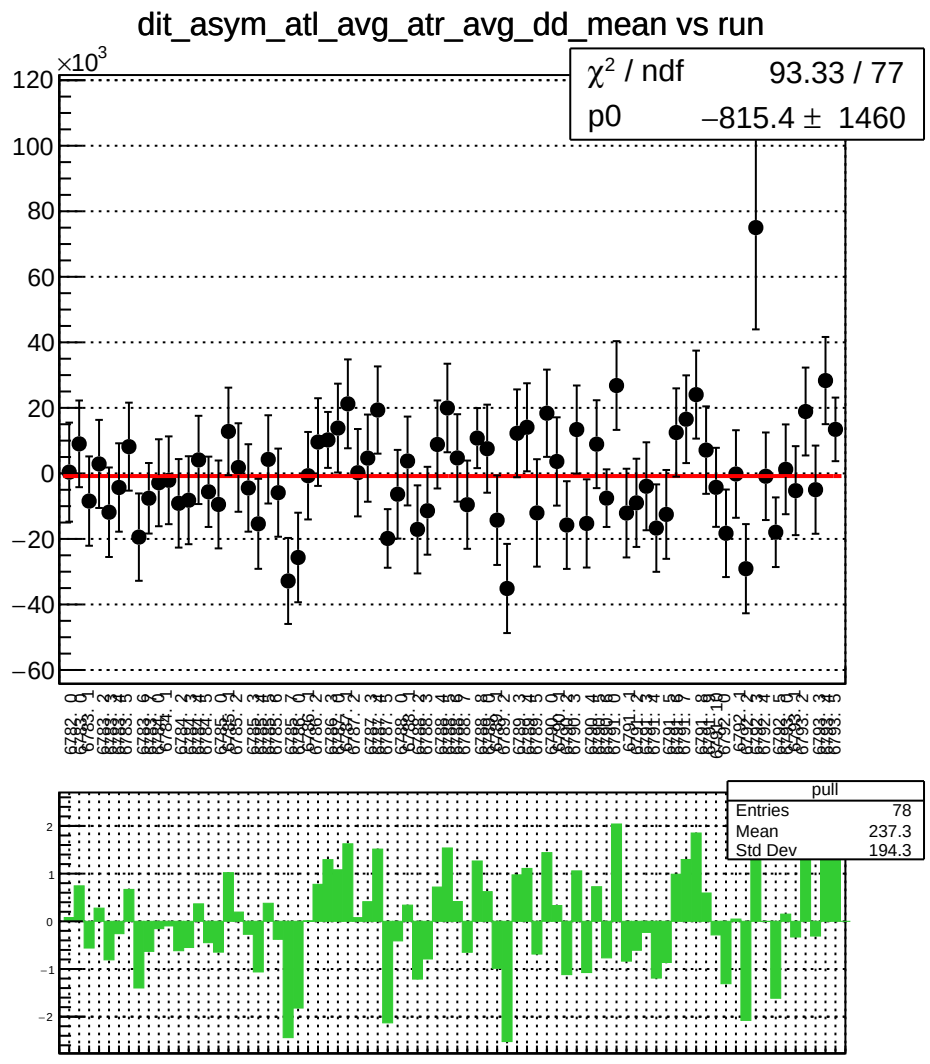

pull1D
Entries 78
Mean −0.005593
Std Dev 0.9002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

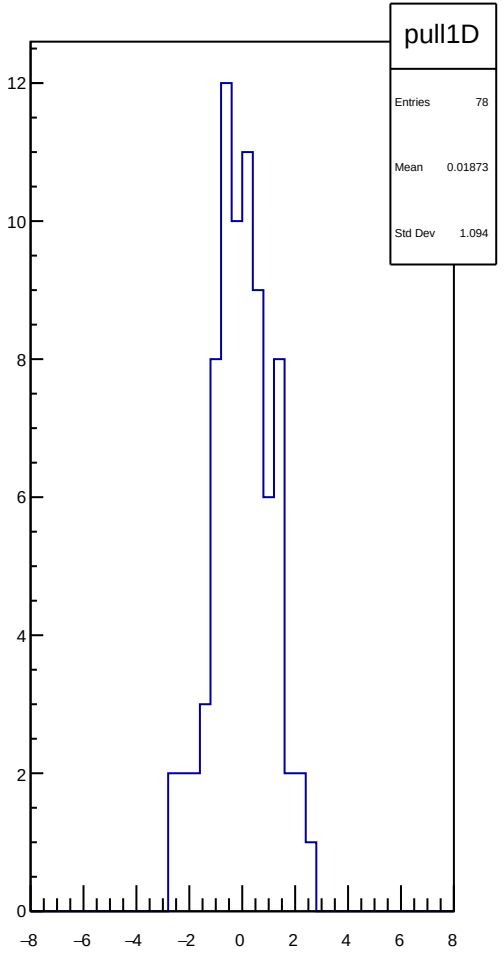

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2567 / 77
p0 3879 ± 3.101
4400
4200
4000
3800
3600
3400

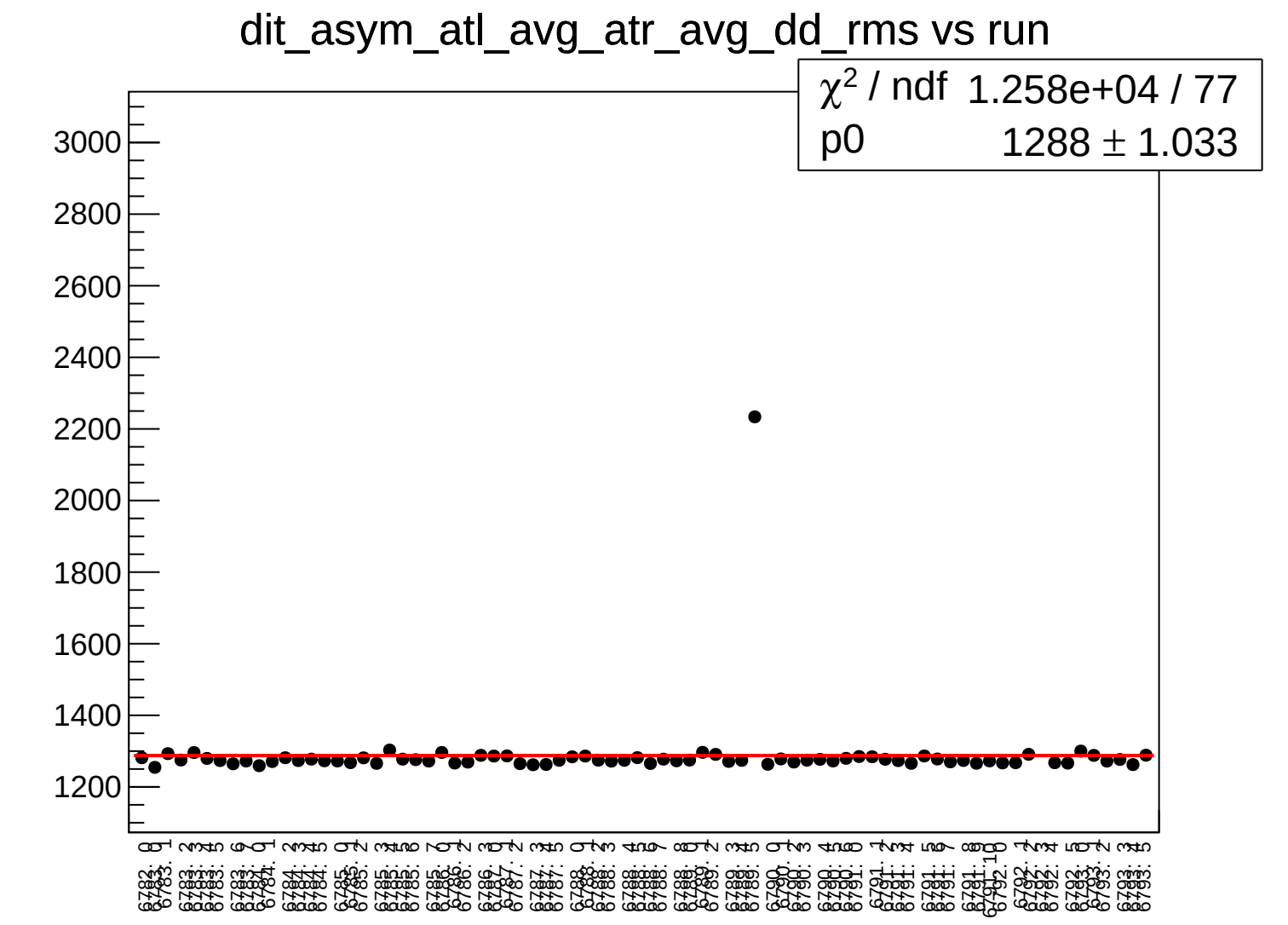

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 62.8 / 77
p0 591.9 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −390.2
Std Dev 441.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

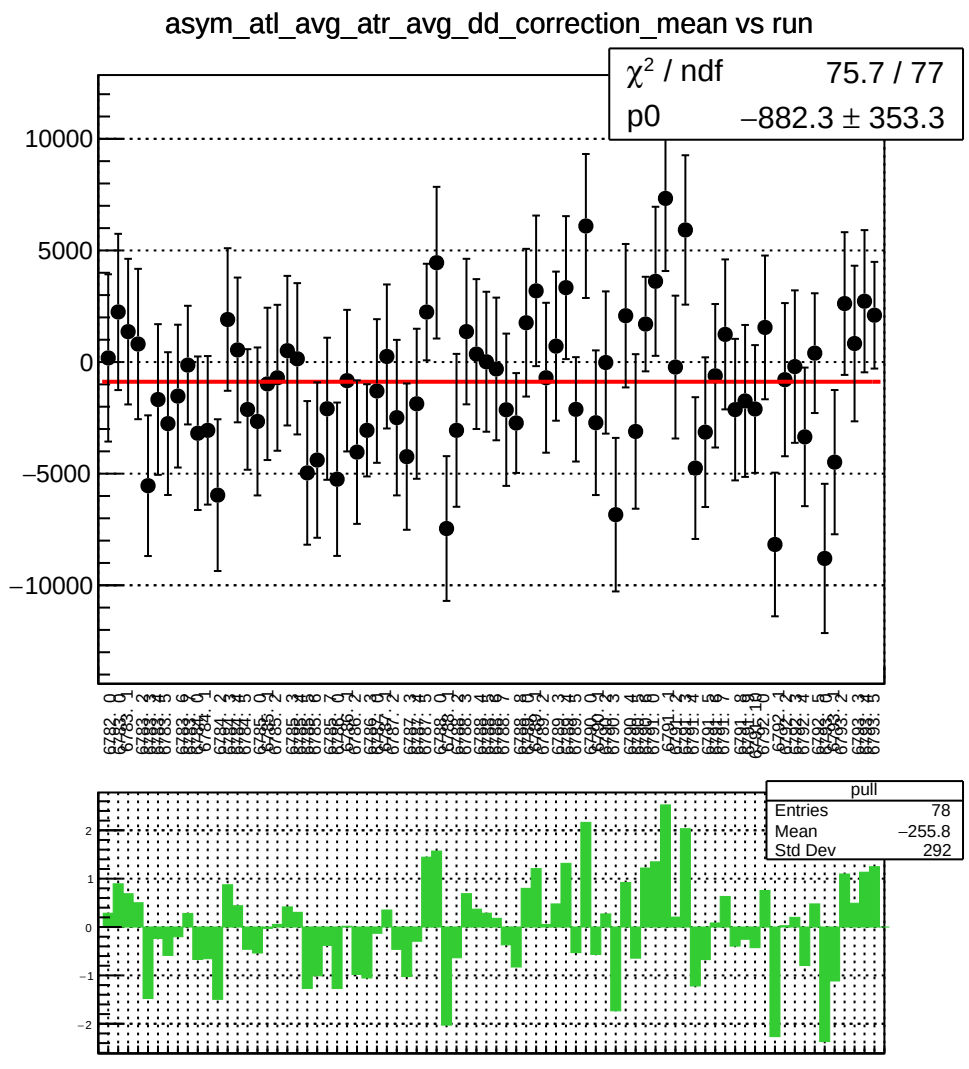

pull1D
Entries 78
Mean 0.006247
Std Dev 0.8973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

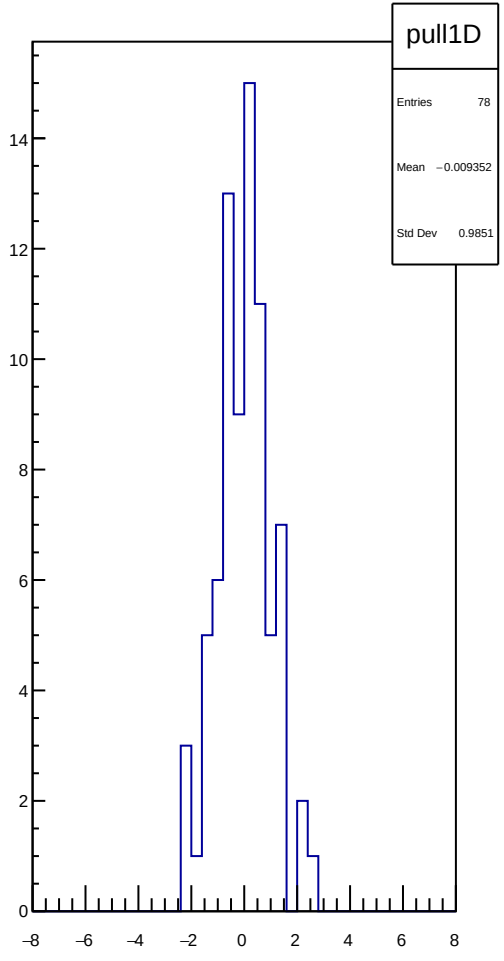

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3162 / 77
p0 4061 ± 3.247
5000
4800
4600
4400
4200
4000
3800
3600

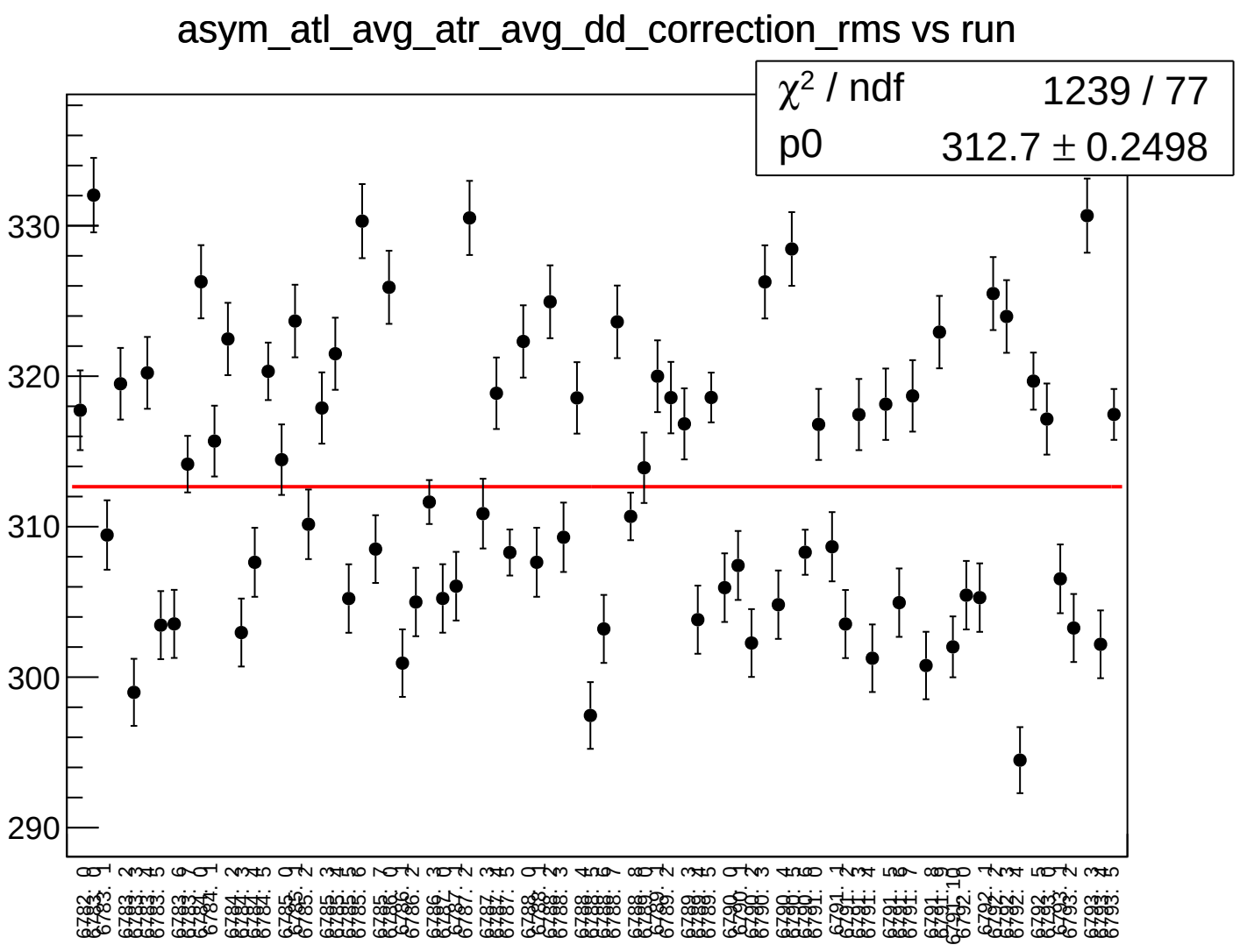

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 93.33 / 77
p0 −815.4 ± 1460
pull
Entries 78
Mean 237.3
Std Dev 194.3

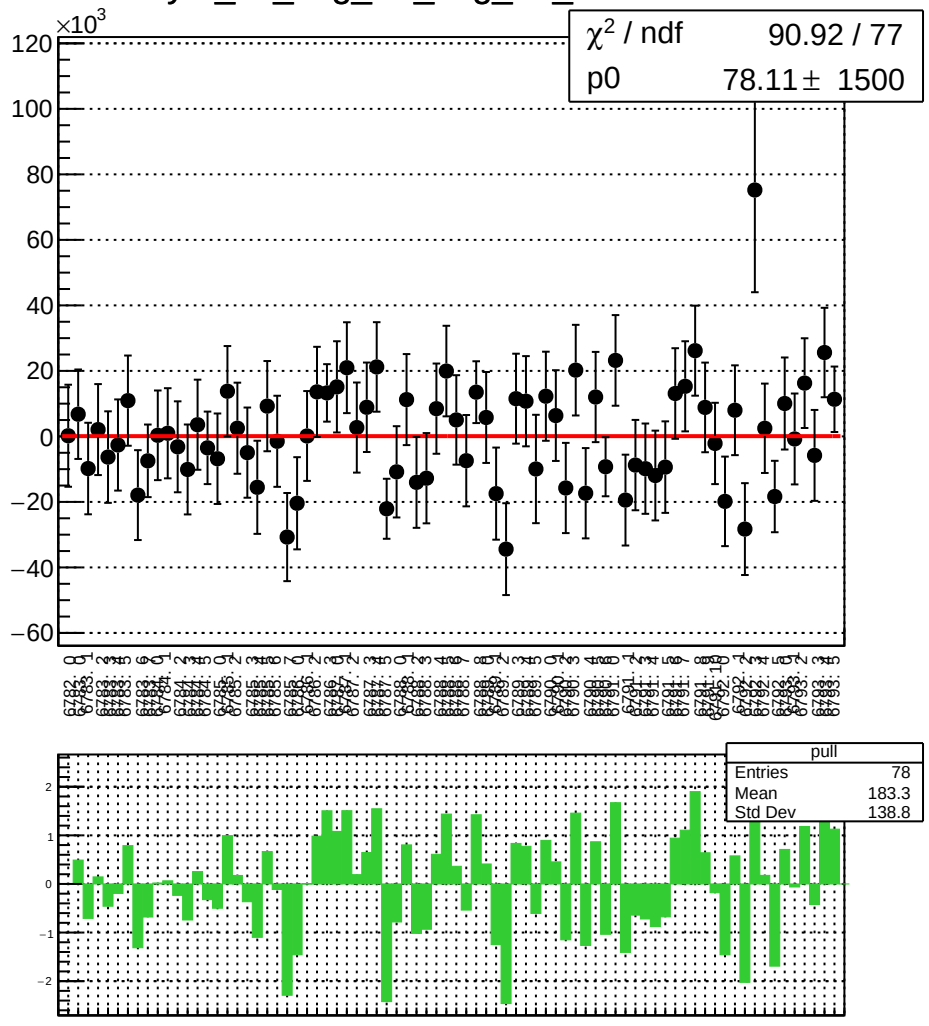

pull1D
Entries 78
Mean 0.01873
Std Dev 1.094

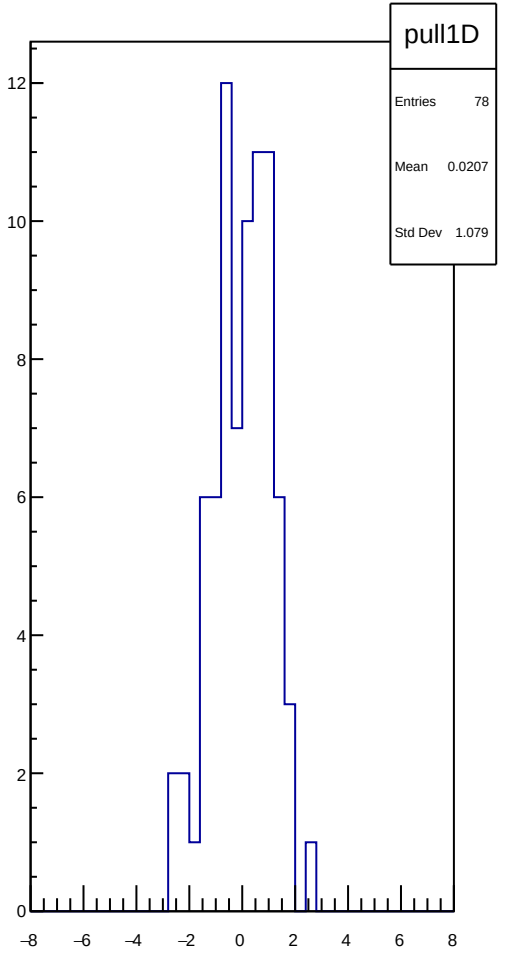

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.258e+04 / 77
p0 1288 ± 1.033
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

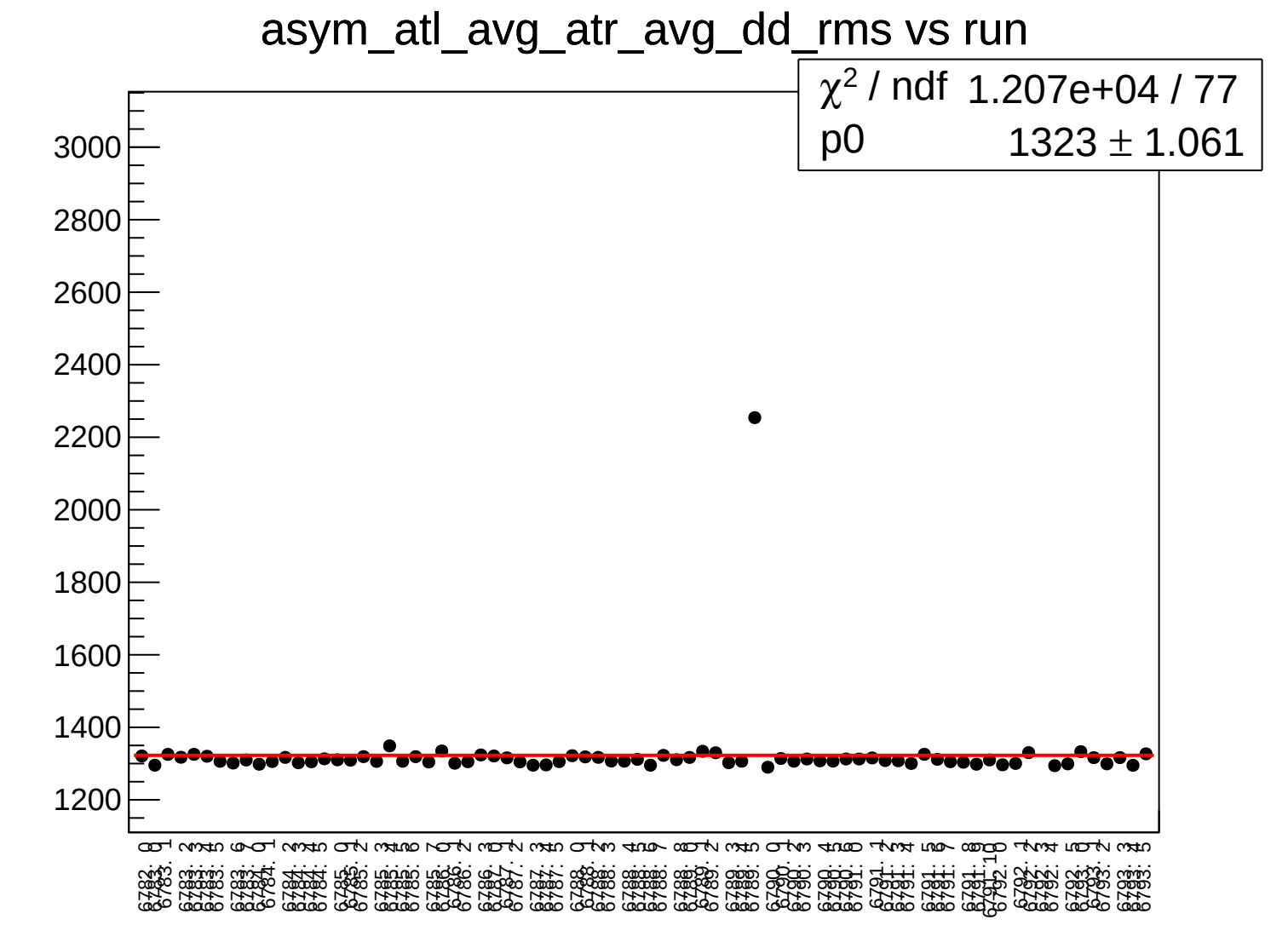

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 75.7 / 77
p0 −882.3 ± 353.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −255.8
Std Dev 292
2
1
0
−1
−2

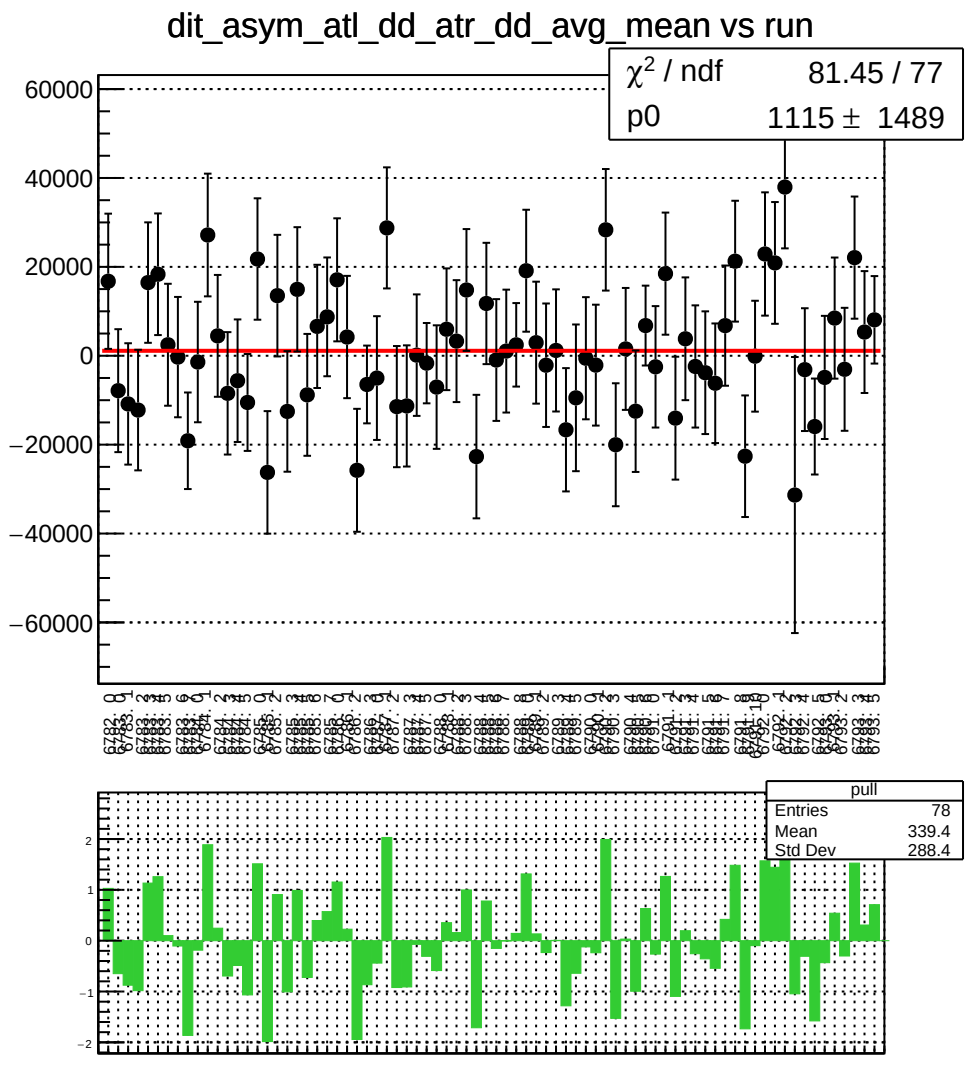

pull1D
Entries 78
Mean −0.009352
Std Dev 0.9851
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

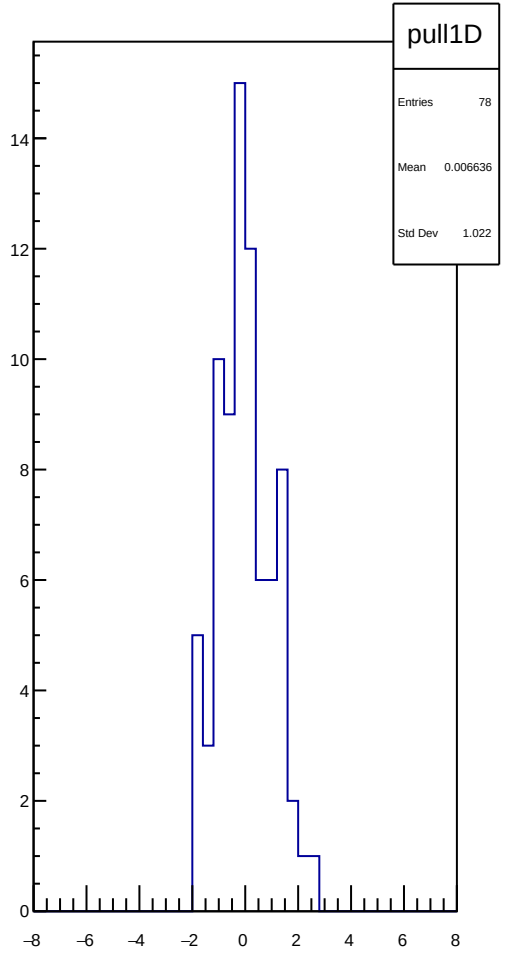

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1239 / 77
p0 312.7 ± 0.2498
330
320
310
300
290

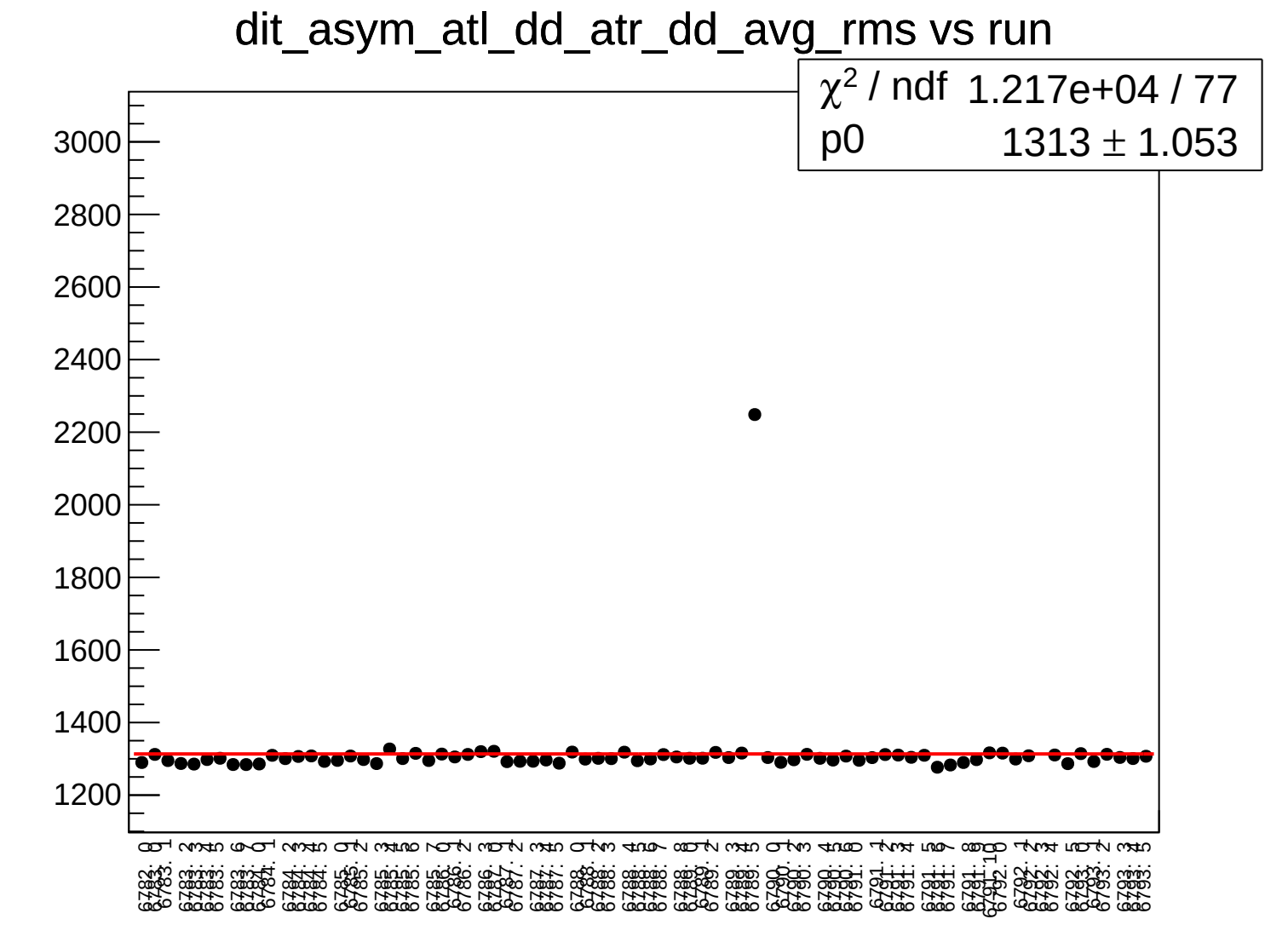

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 90.92 / 77
p0 78.11 ± 1500
pull
Entries 78
Mean 183.3
Std Dev 138.8


pull1D
Entries 78
Mean 0.0207
Std Dev 1.079

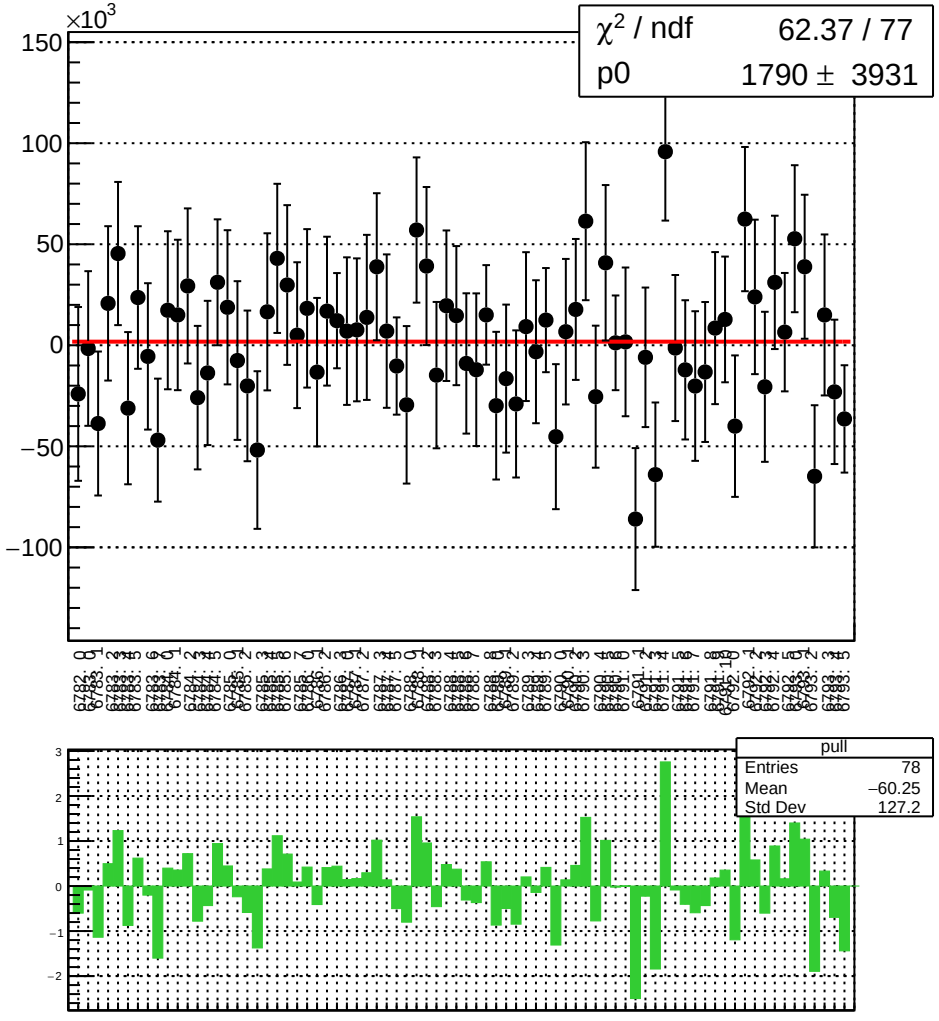

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.207e+04 / 77
p0 1323 ± 1.061
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

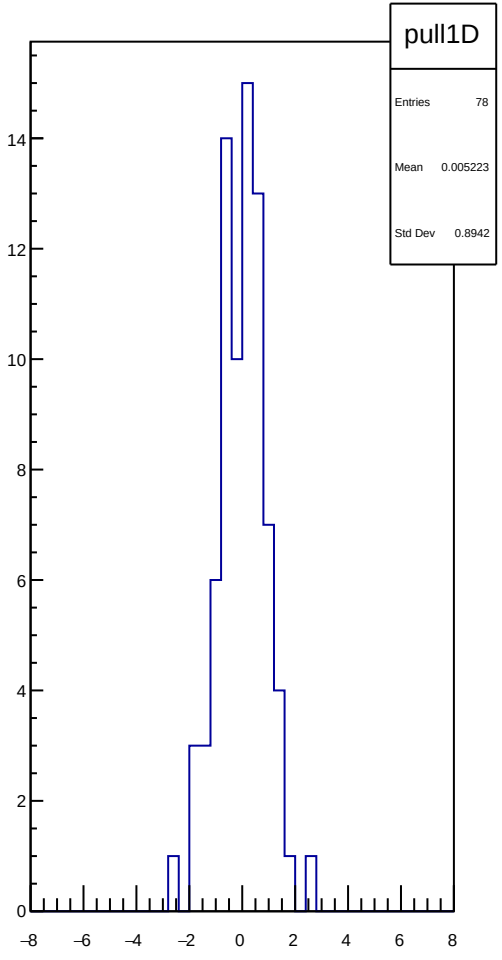

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 81.45 / 77
p0 1115 ± 1489
pull
Entries 78
Mean 339.4
Std Dev 288.4

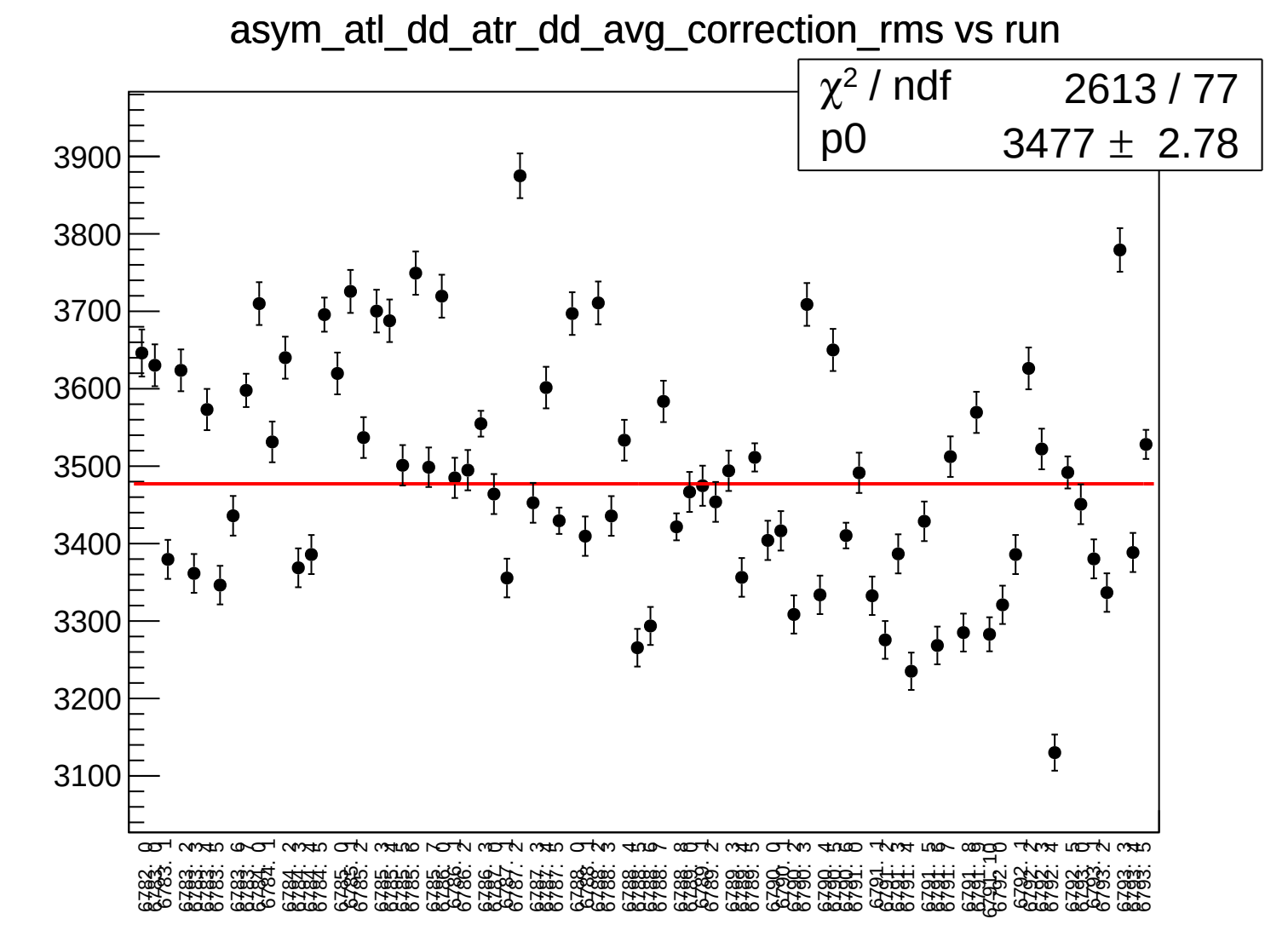

pull1D
Entries 78
Mean 0.006636
Std Dev 1.022

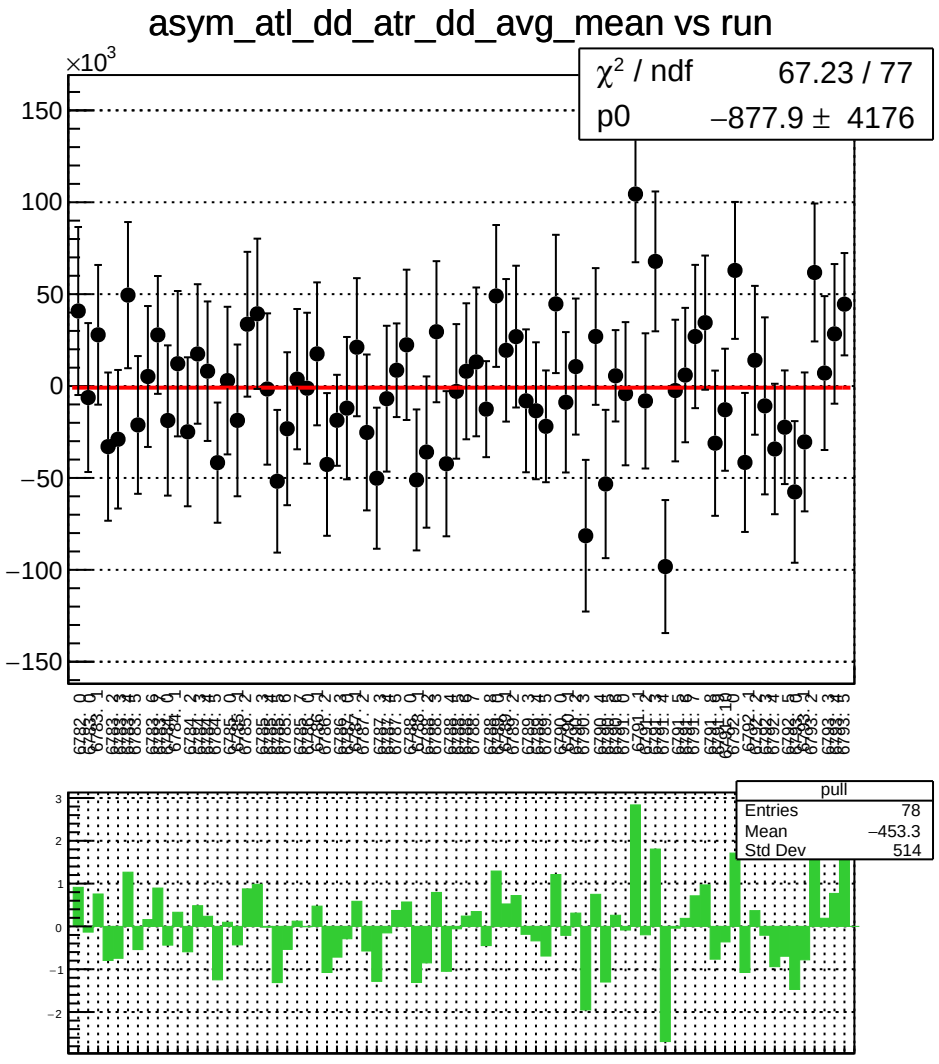

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.217e+04 / 77
p0 1313 ± 1.053
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

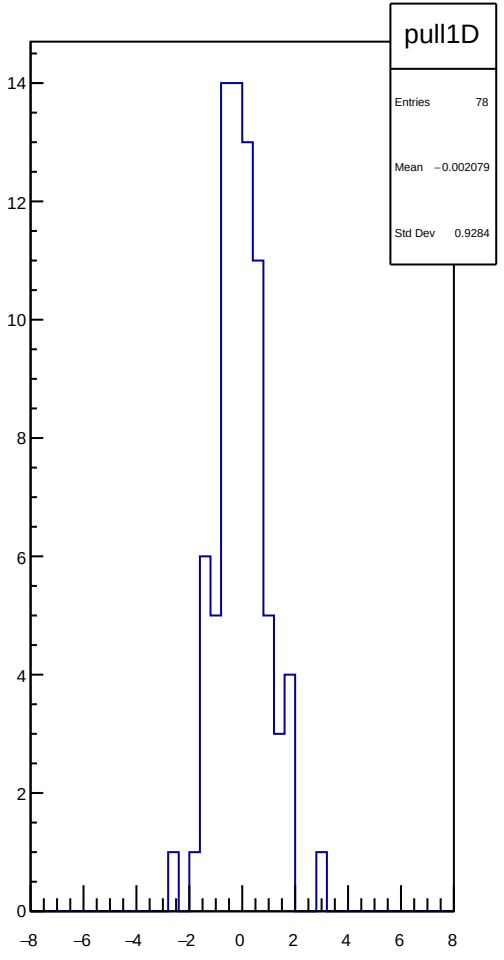
asym_atl_dd_atr_dd_avg_correction_mean vs run

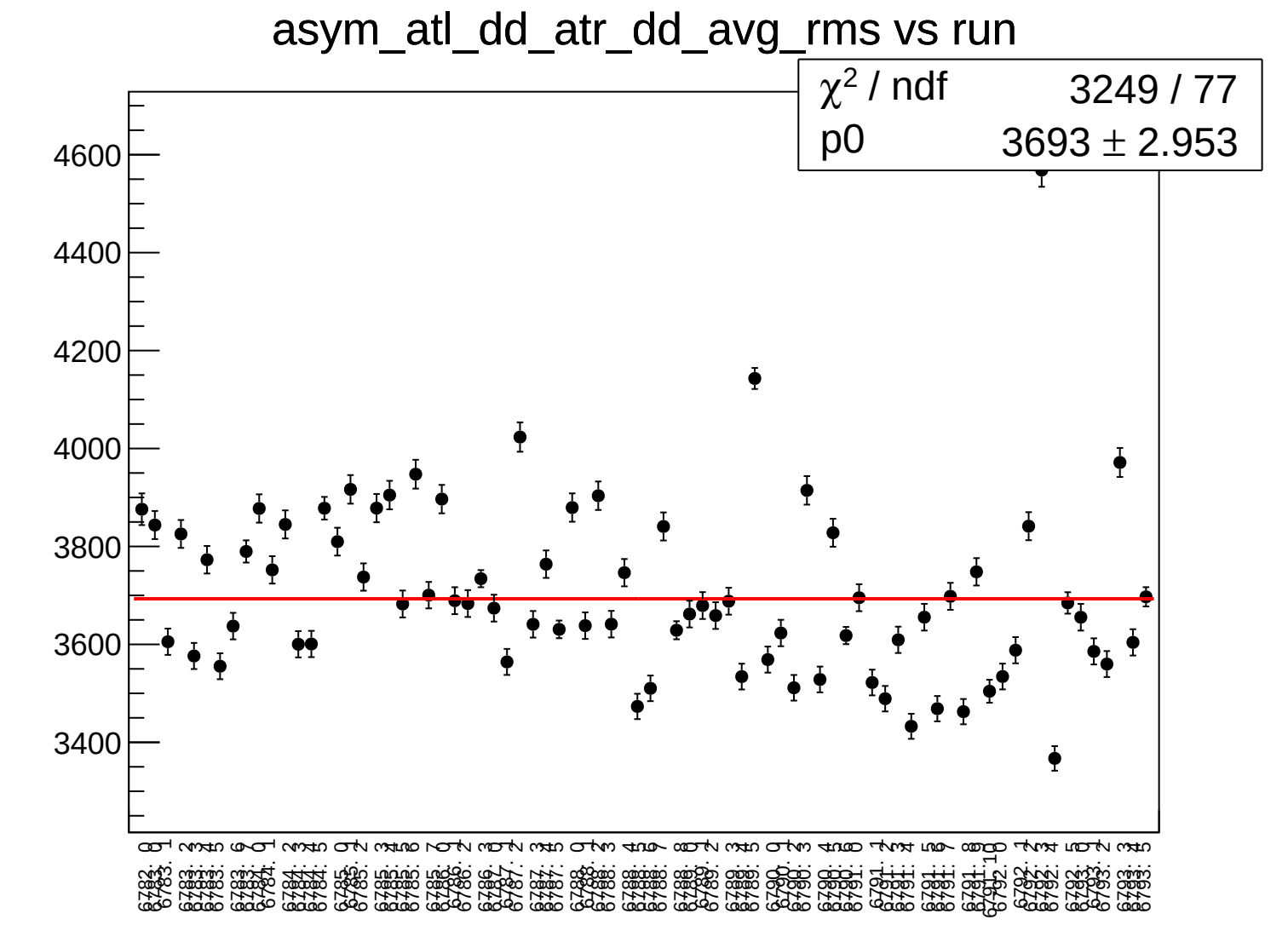


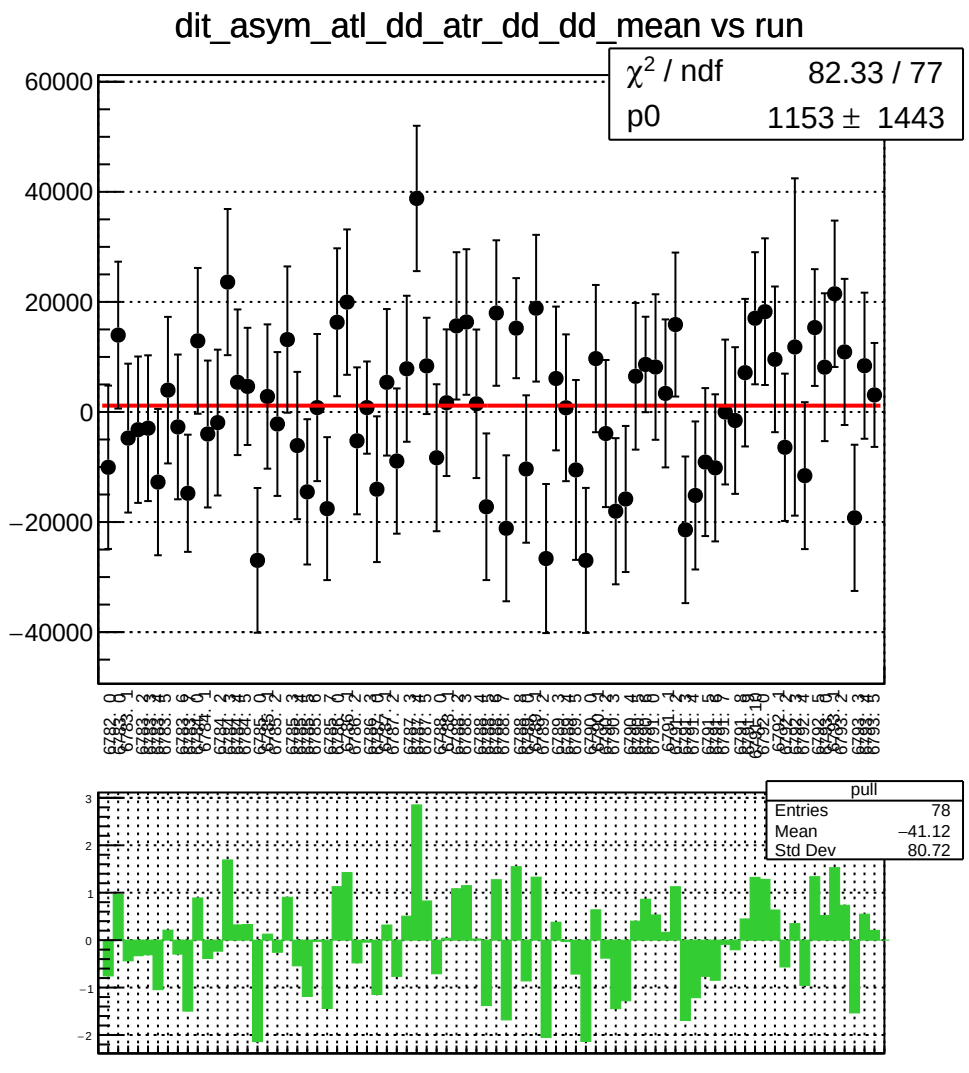


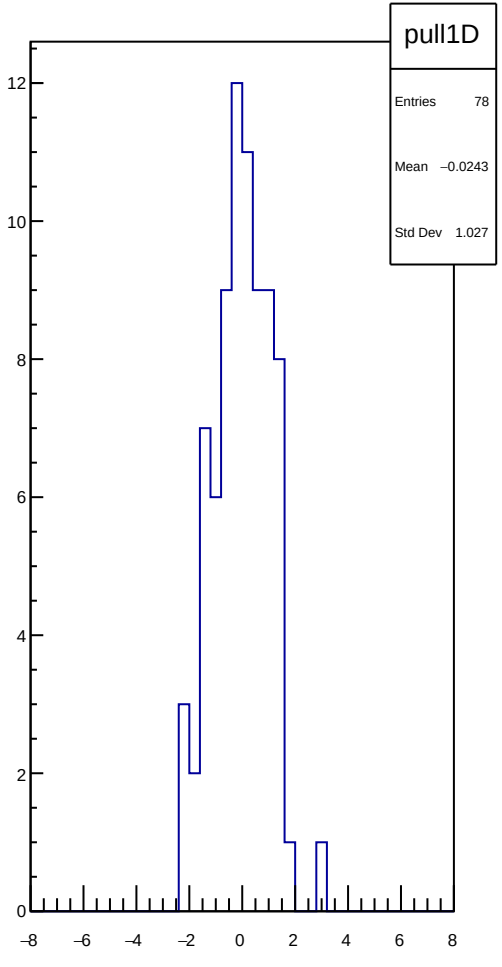

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2613 / 77
p0 3477 ± 2.78
3900
3800
3700
3600
3500
3400
3300
3200
3100

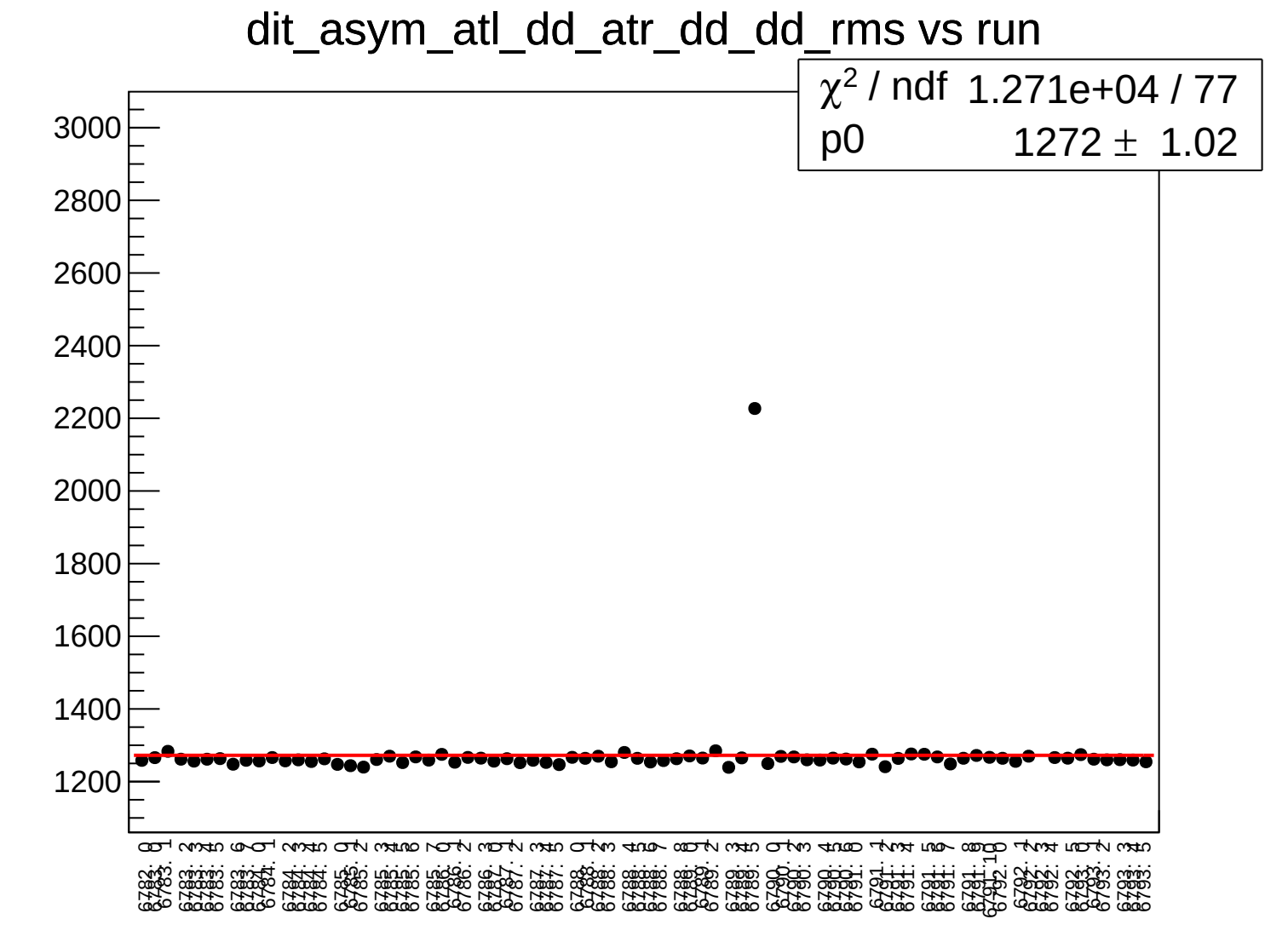

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 67.23 / 77
p0 −877.9 ± 4176
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −453.3
Std Dev 514
3
2
1
0
−1
−2

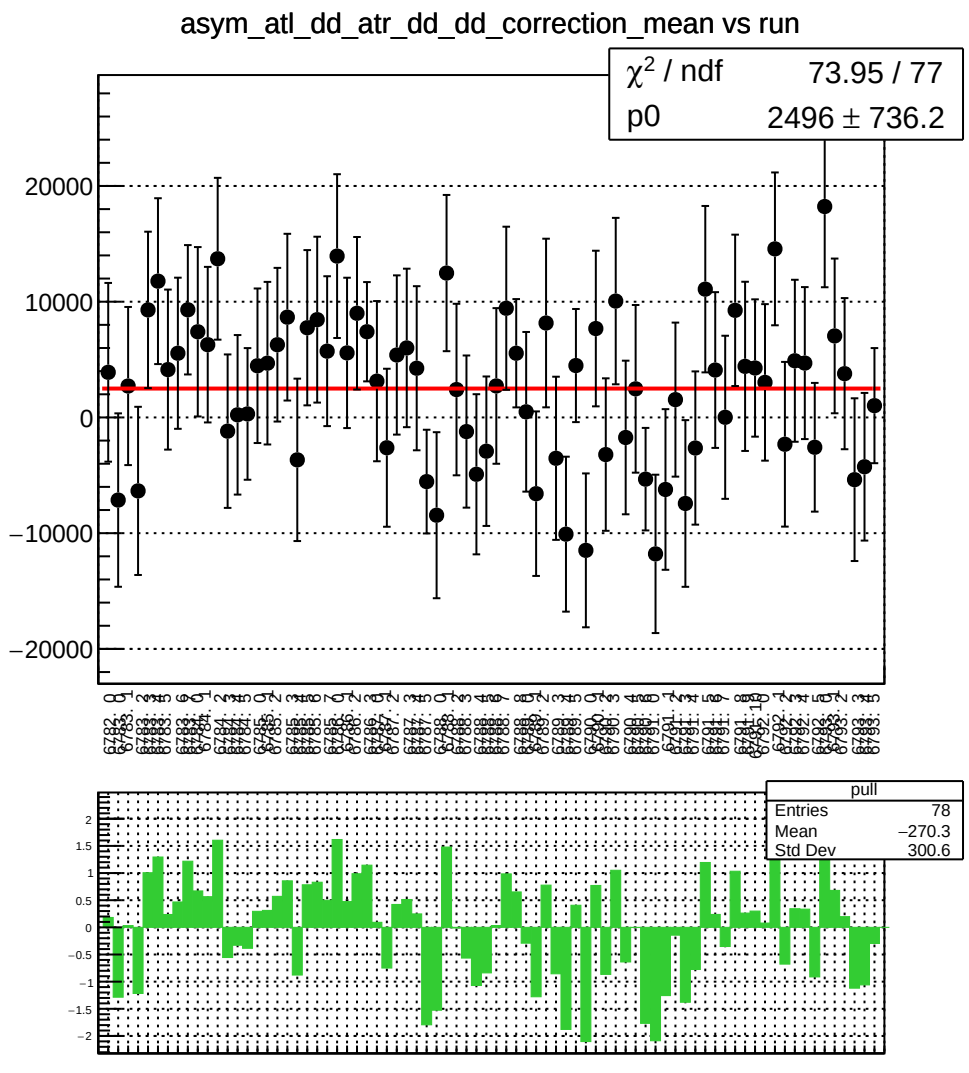

pull1D
Entries 78
Mean −0.002079
Std Dev 0.9284
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

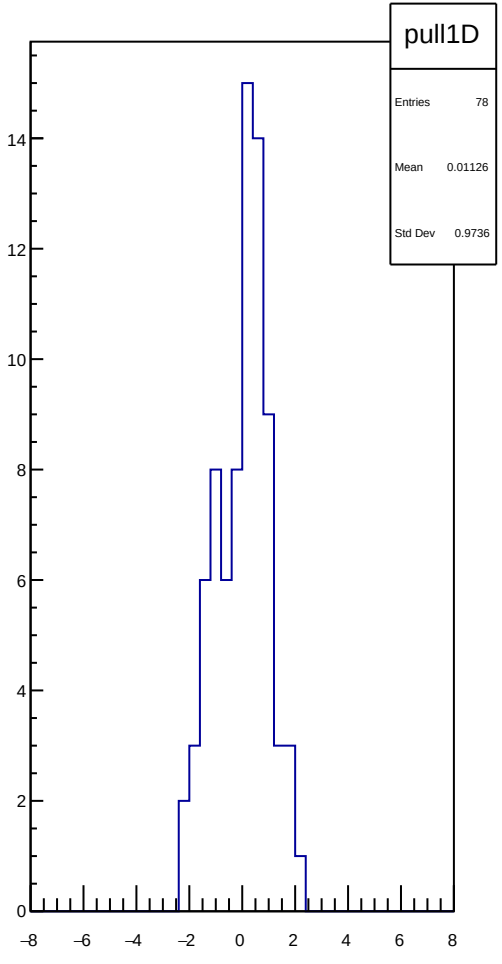

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3249 / 77
p0 3693 ± 2.953
4600
4400
4200
4000
3800
3600
3400

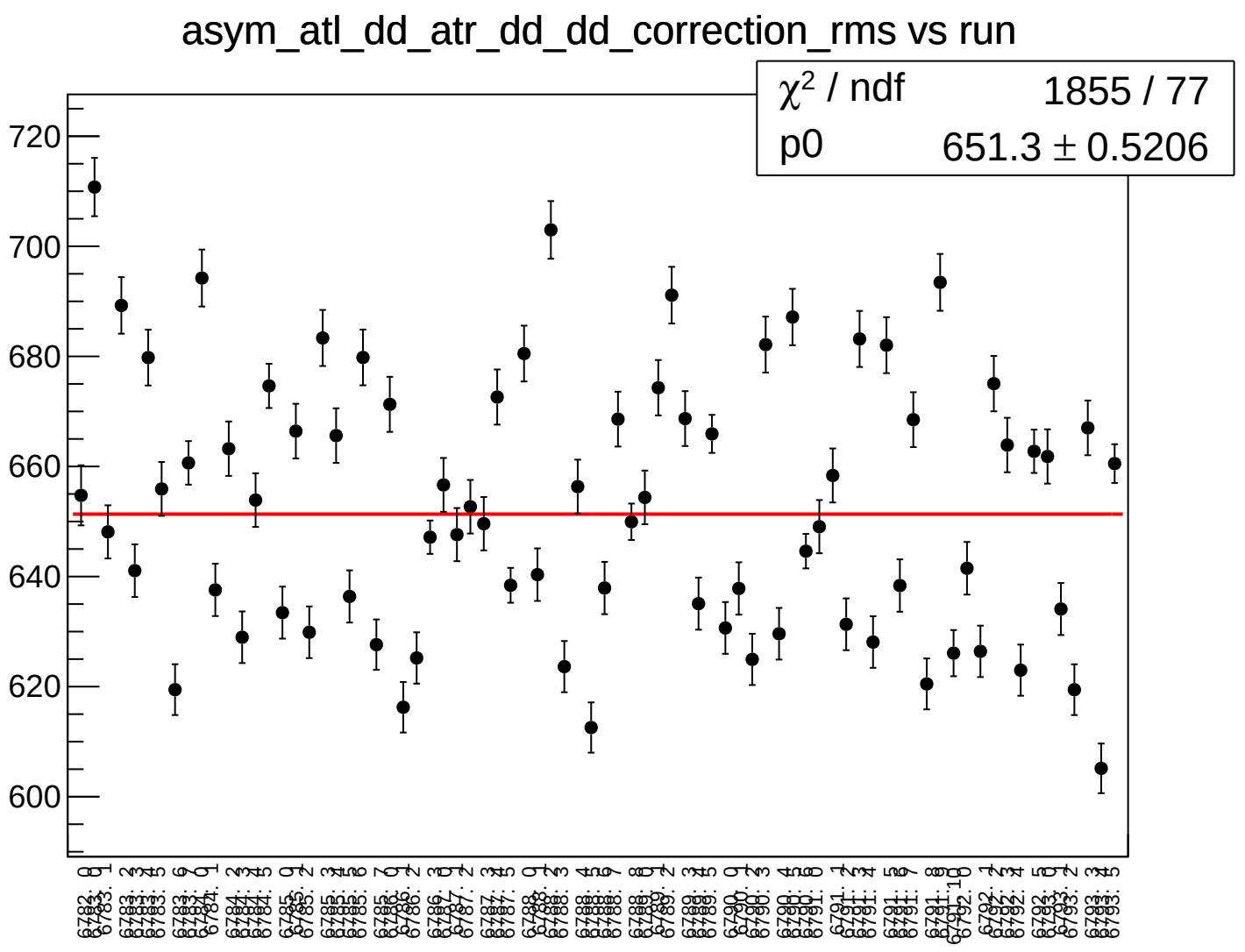

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 82.33 / 77
p0 1153 ± 1443
60000
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −41.12
Std Dev 80.72
3
2
1
0
−1
−2

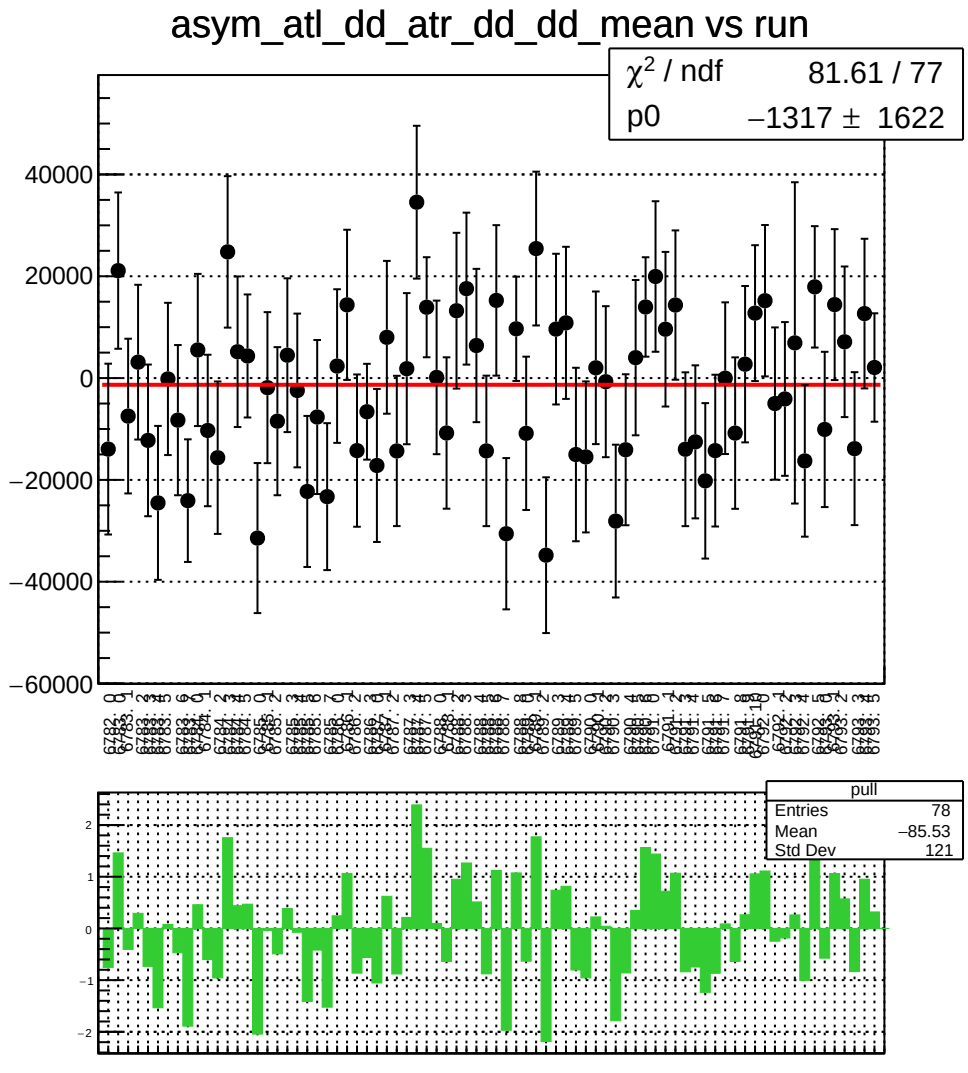

pull1D
Entries 78
Mean −0.0243
Std Dev 1.027
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

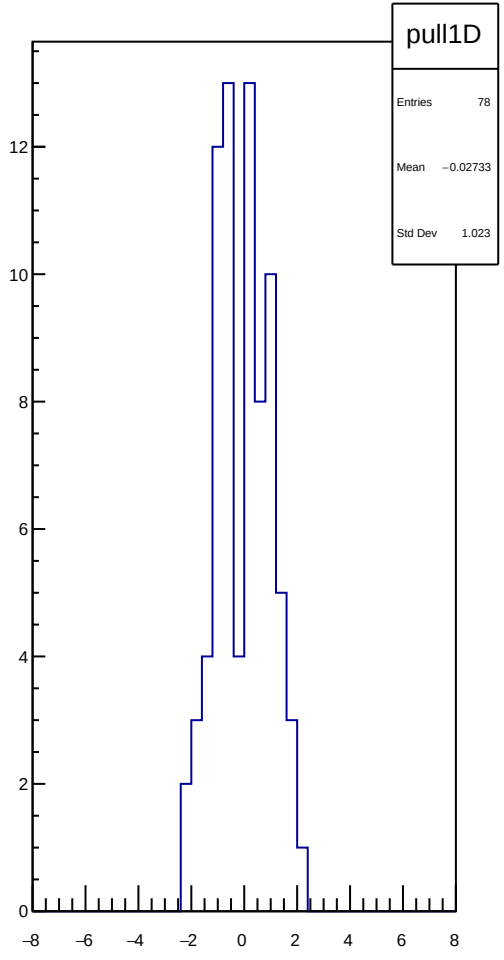

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.271e+04 / 77
p0 1272 ± 1.02
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

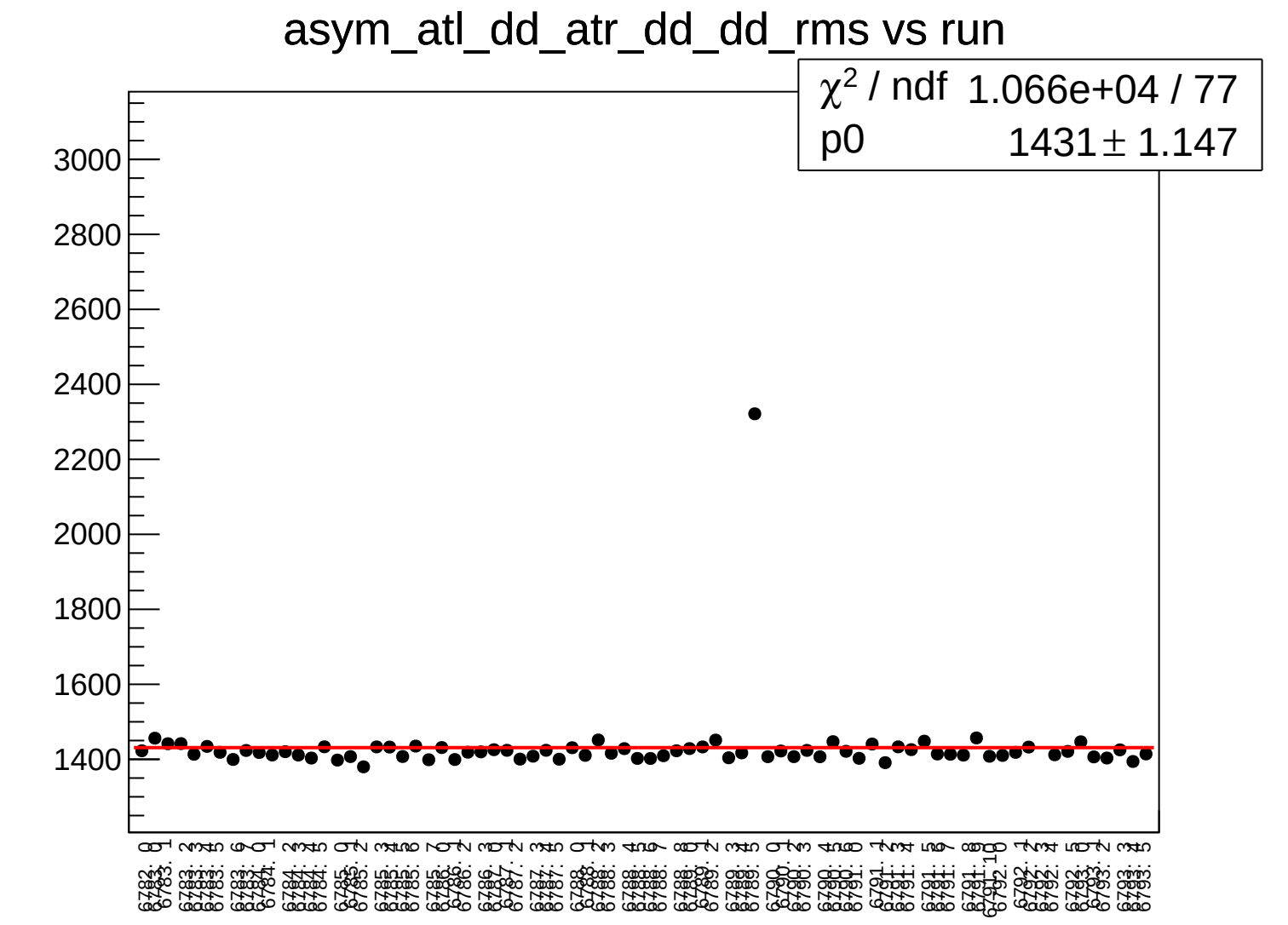

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 73.95 / 77
p0 2496 ± 736.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −270.3
Std Dev 300.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

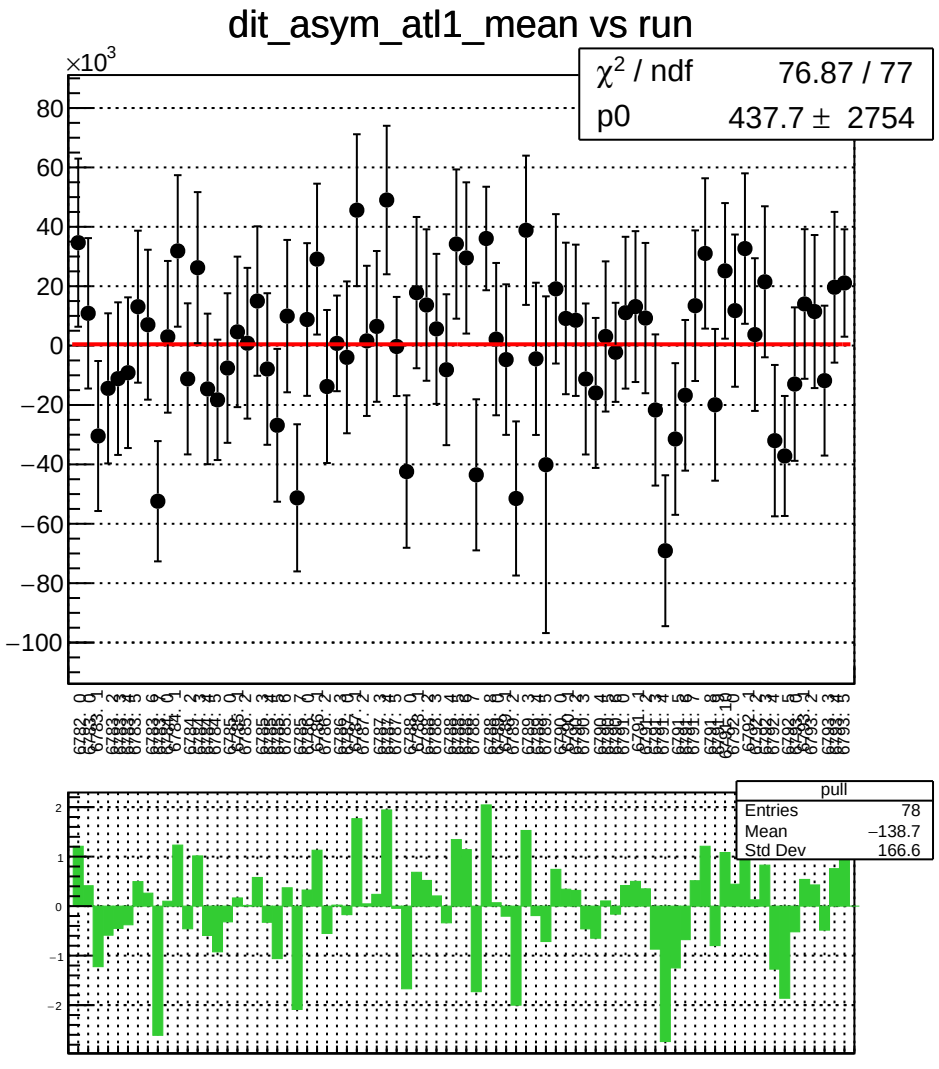

pull1D
Entries 78
Mean 0.01126
Std Dev 0.9736
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

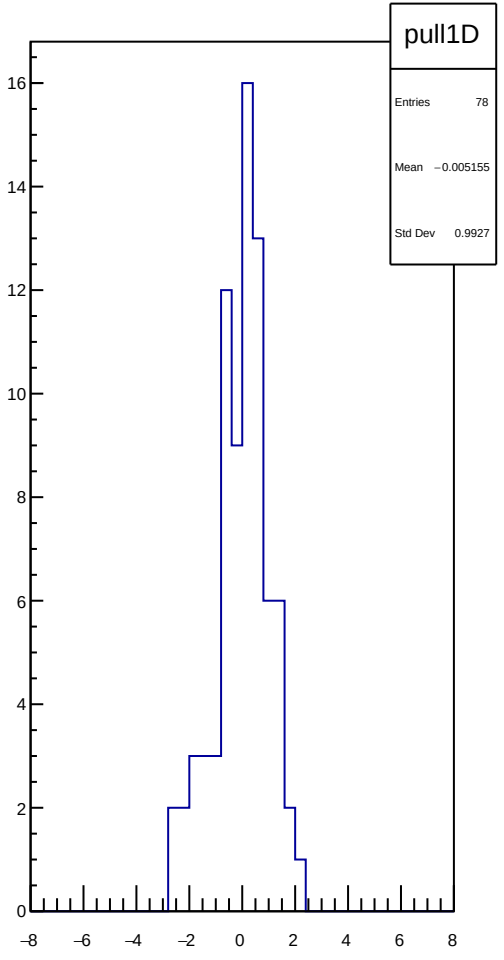

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1855 / 77
p0 651.3 ± 0.5206
720
700
680
660
640
620
600

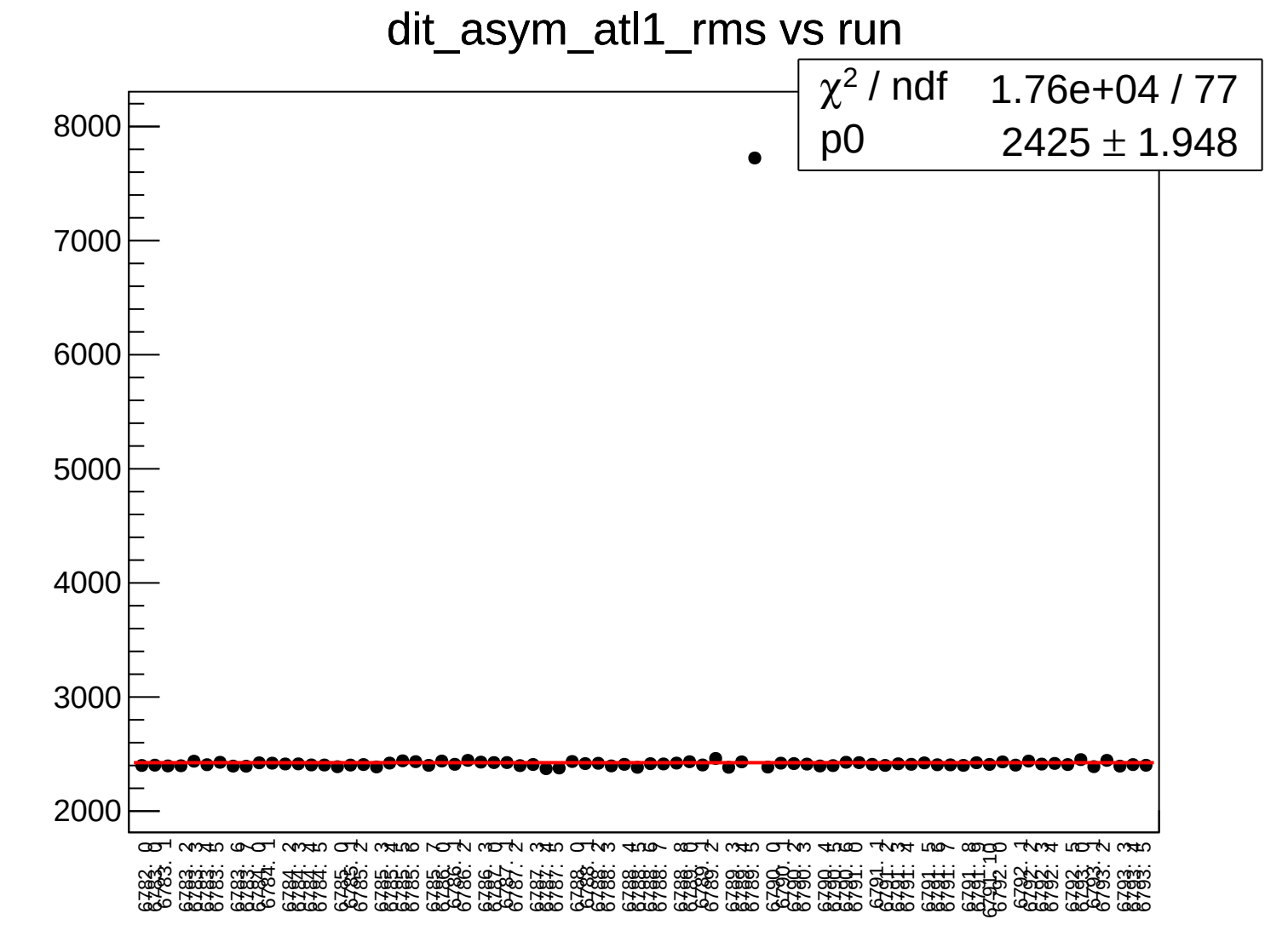

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 81.61 / 77
p0 −1317 ± 1622
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −85.53
Std Dev 121
2
1
0
−1
−2

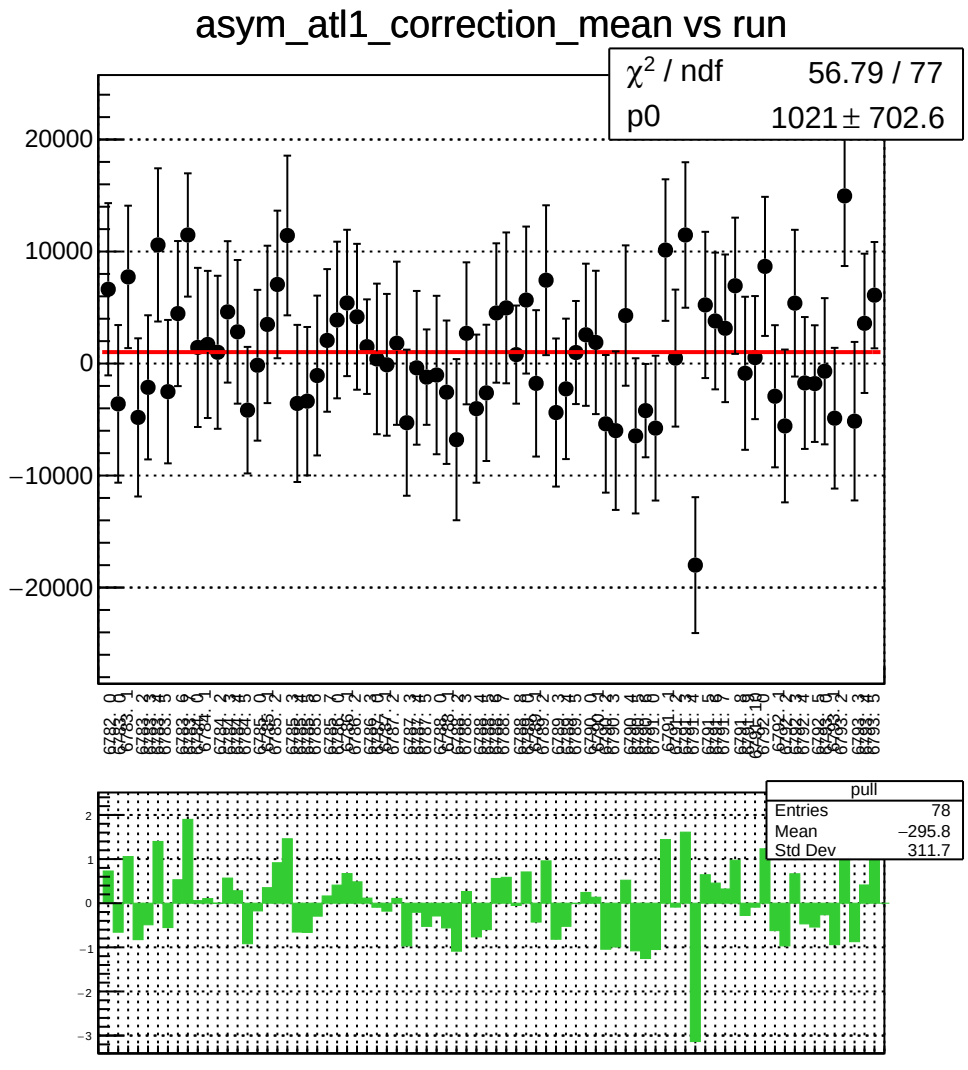

pull1D
Entries 78
Mean −0.02733
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

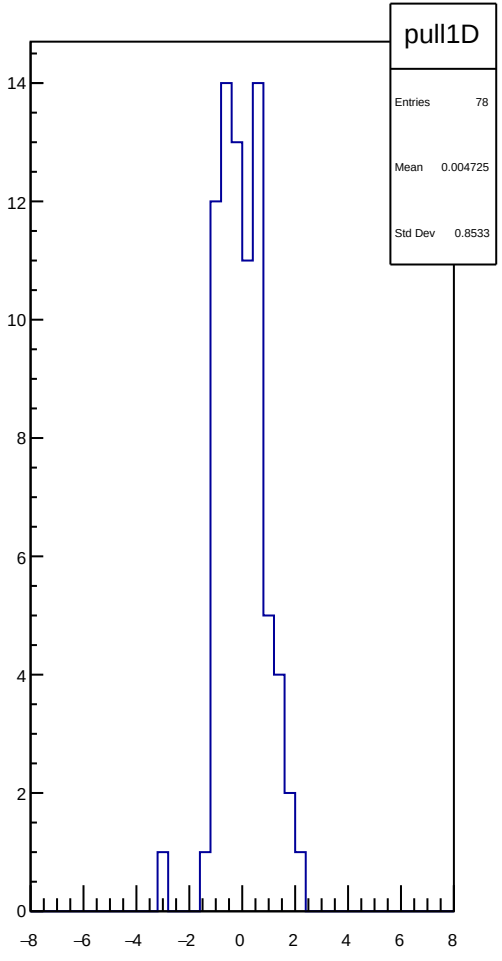

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.066e+04 / 77
p0 1431 ± 1.147
3000
2800
2600
2400
2200
2000
1800
1600
1400

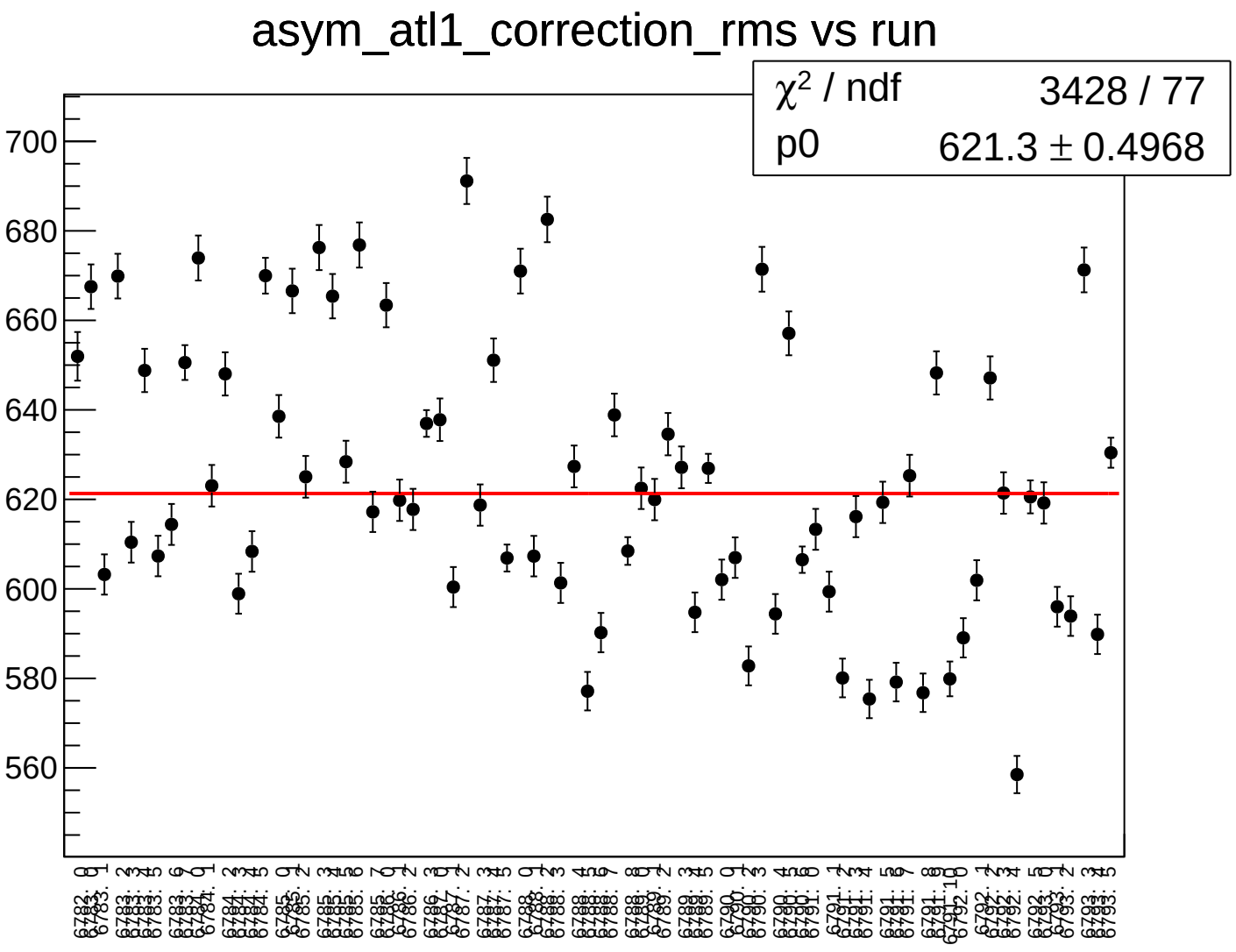

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 76.87 / 77
p0 437.7 ± 2754
pull
Entries 78
Mean −138.7
Std Dev 166.6

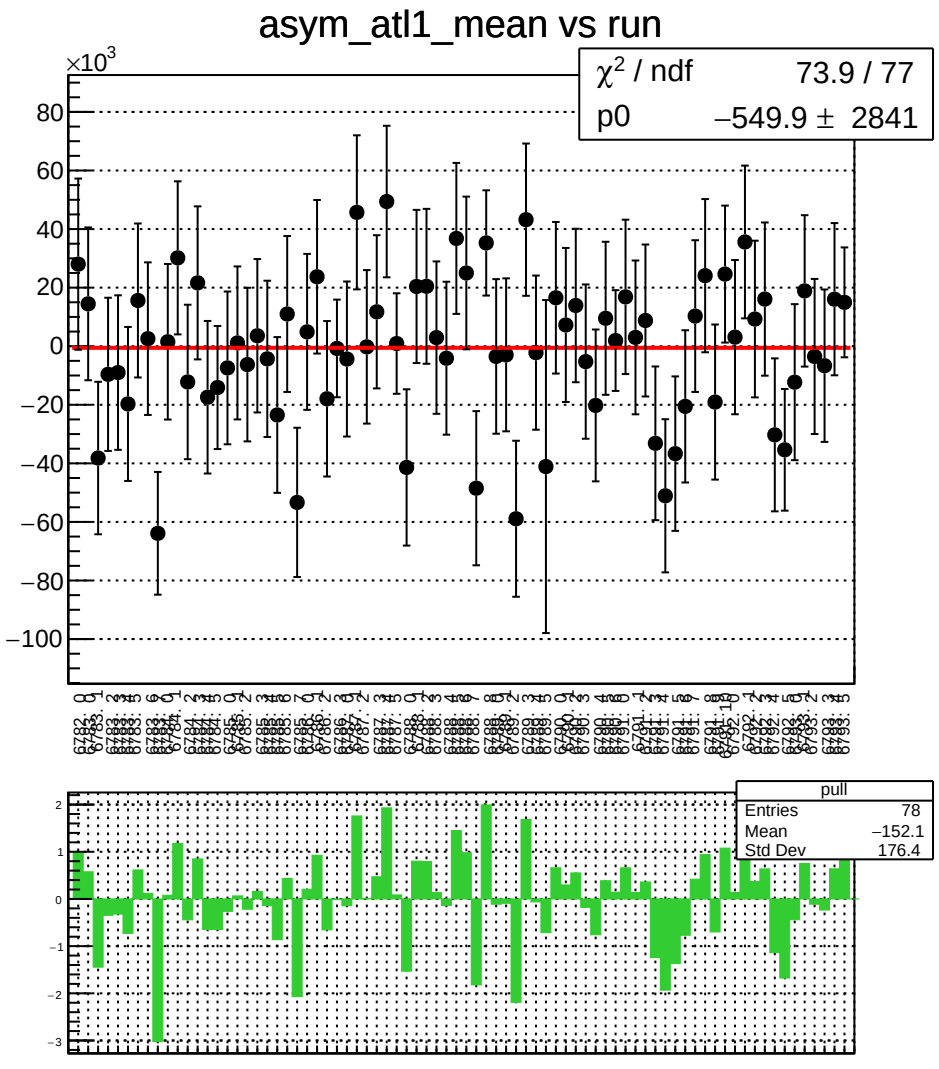

pull1D
Entries 78
Mean −0.005155
Std Dev 0.9927

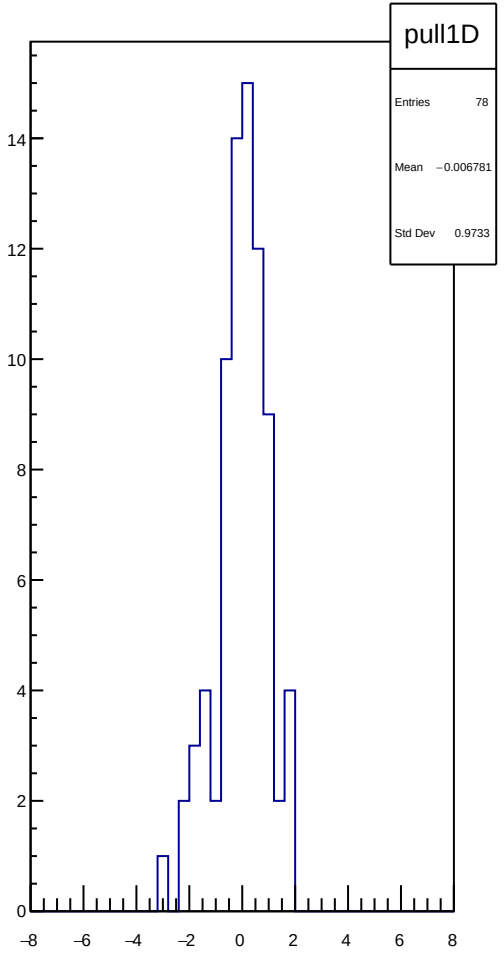

dit_asym_atl1_rms vs run
χ² / ndf 1.76e+04 / 77
p0 2425 ± 1.948
8000
7000
6000
5000
4000
3000
2000

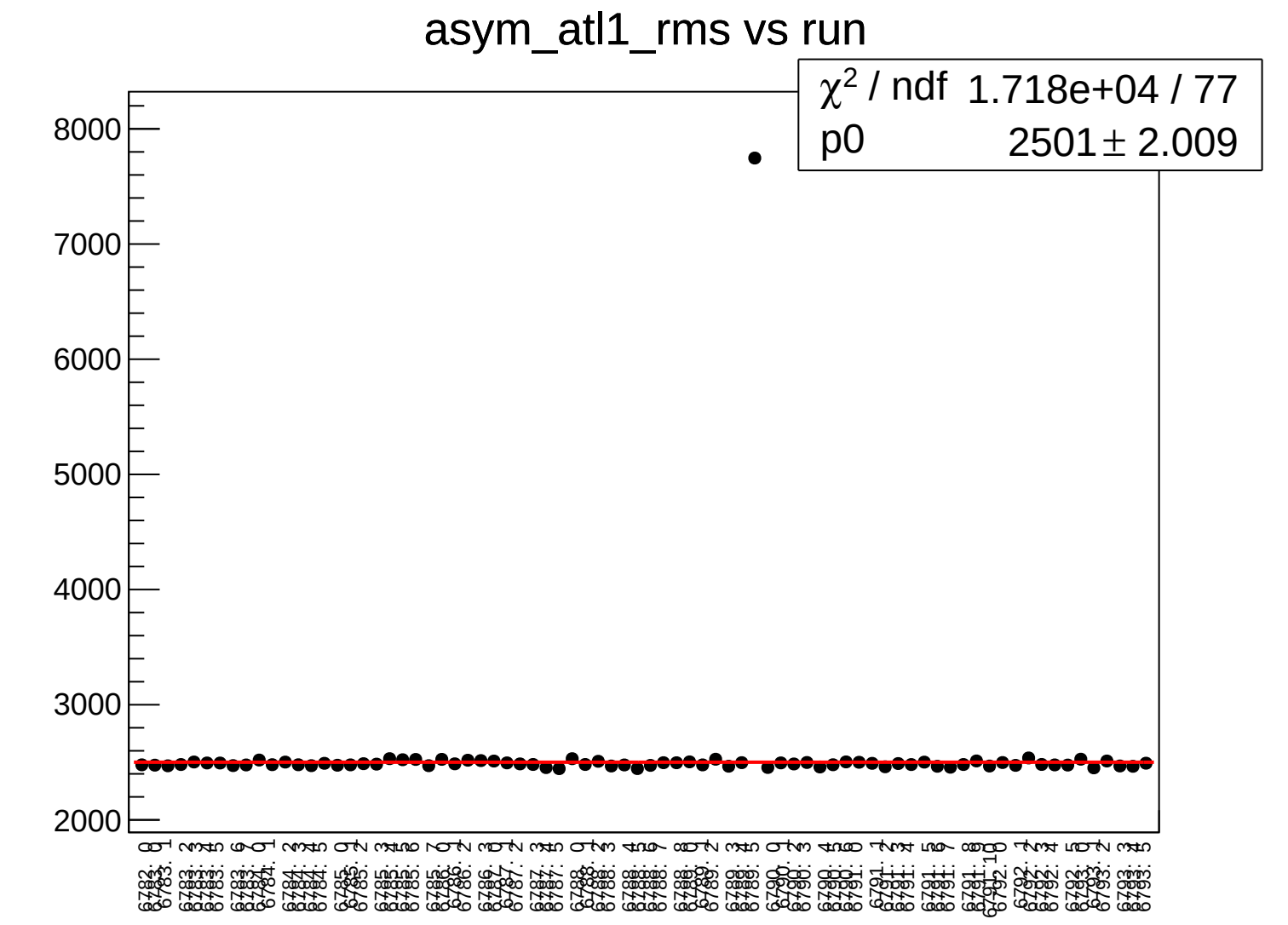

asym_atl1_correction_mean vs run
χ² / ndf 56.79 / 77
p0 1021 ± 702.6
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −295.8
Std Dev 311.7
2
1
0
−1
−2
−3

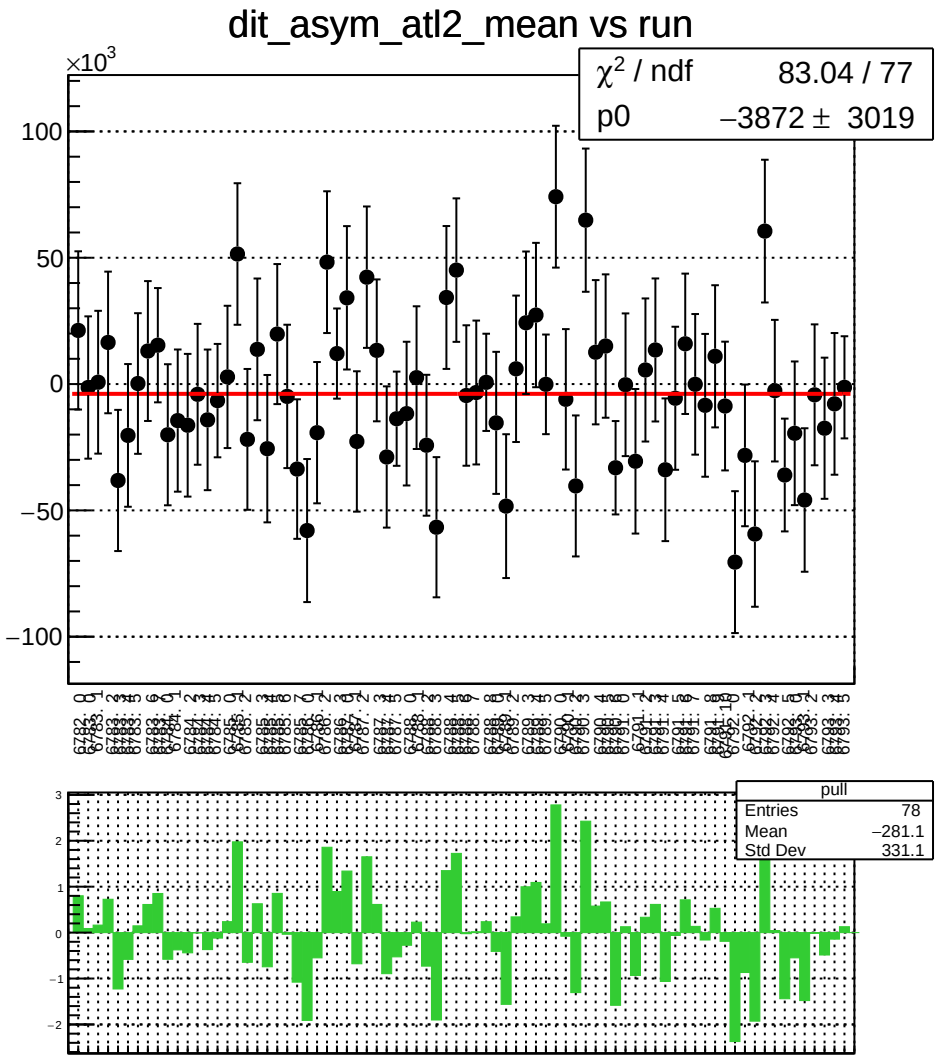

pull1D
Entries 78
Mean 0.004725
Std Dev 0.8533
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

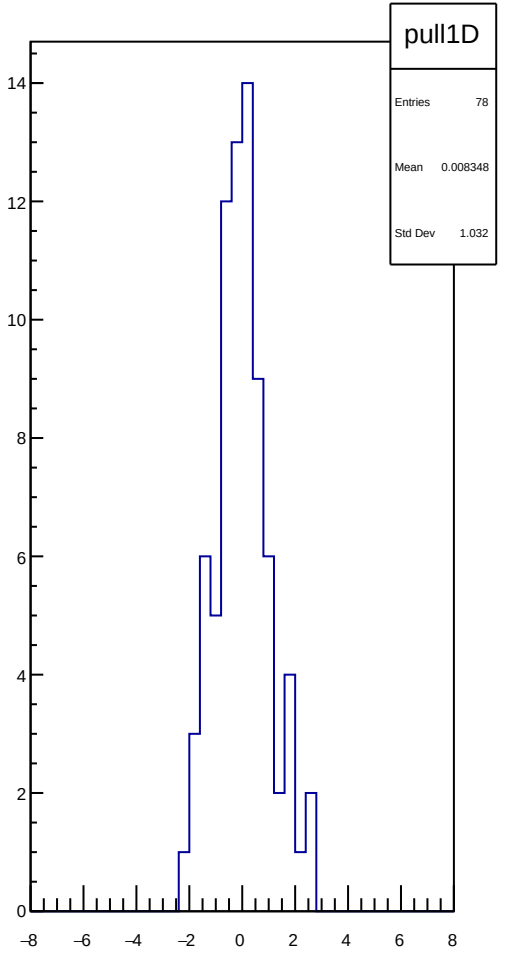

asym_atl1_correction_rms vs run
χ² / ndf 3428 / 77
p0 621.3 ± 0.4968
700
680
660
640
620
600
580
560

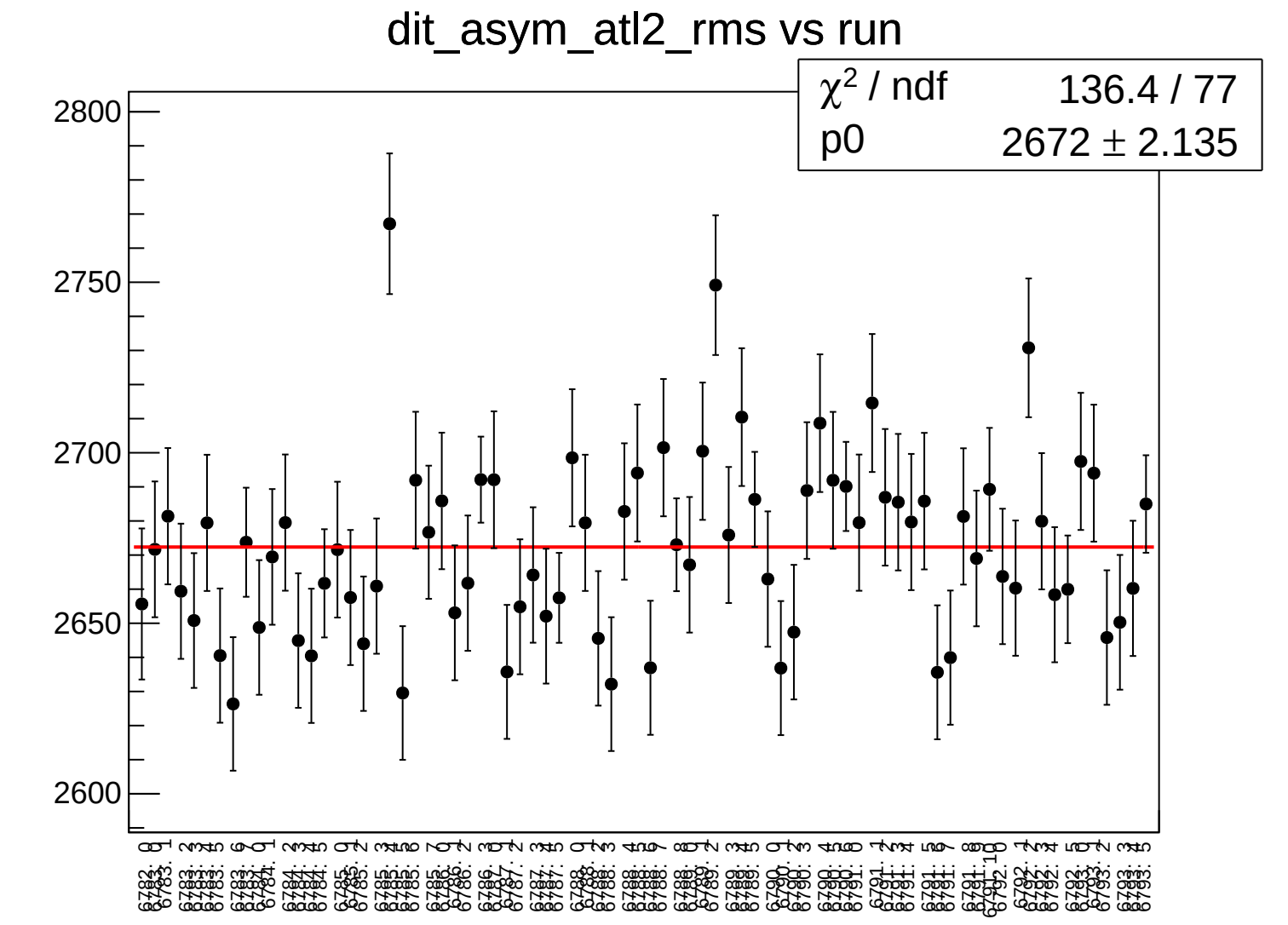

asym_atl1_mean vs run
χ² / ndf 73.9 / 77
p0 −549.9 ± 2841
pull
Entries 78
Mean −152.1
Std Dev 176.4

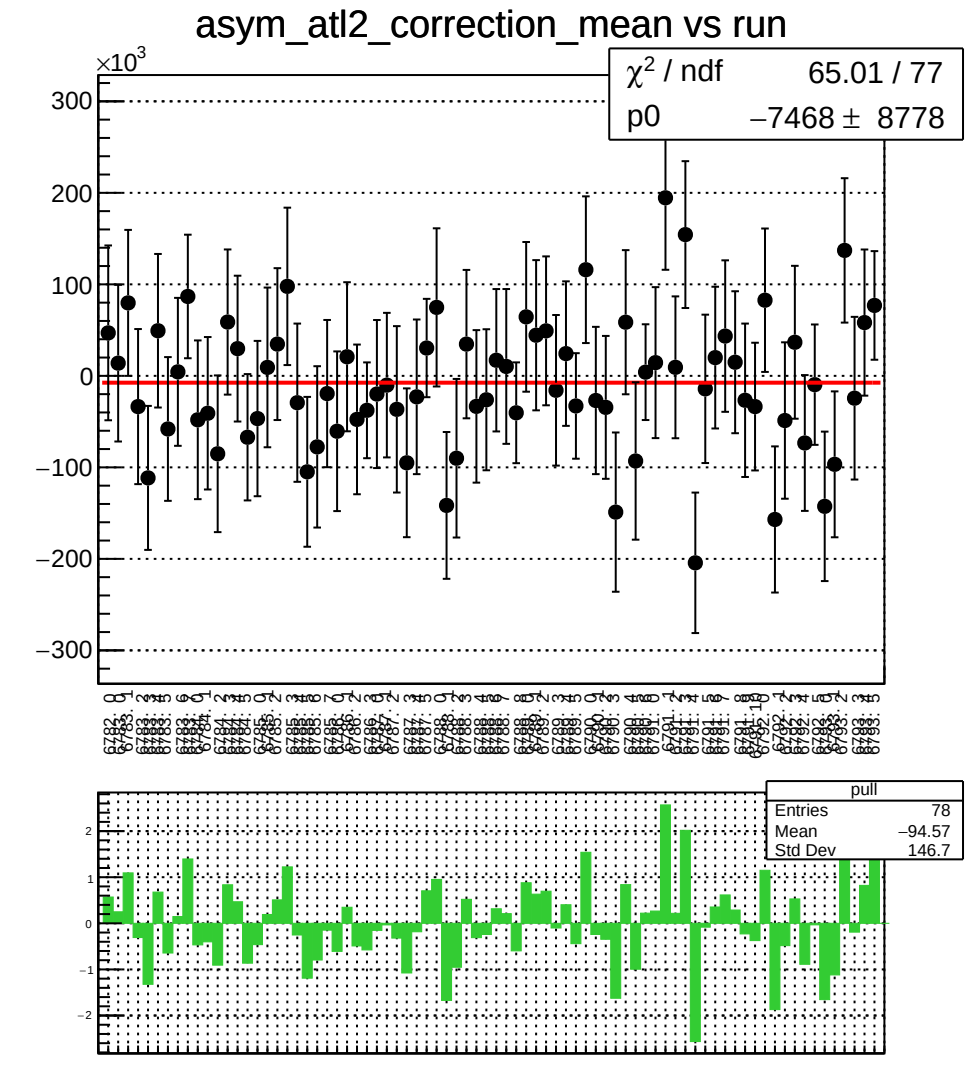

pull1D
Entries 78
Mean −0.006781
Std Dev 0.9733

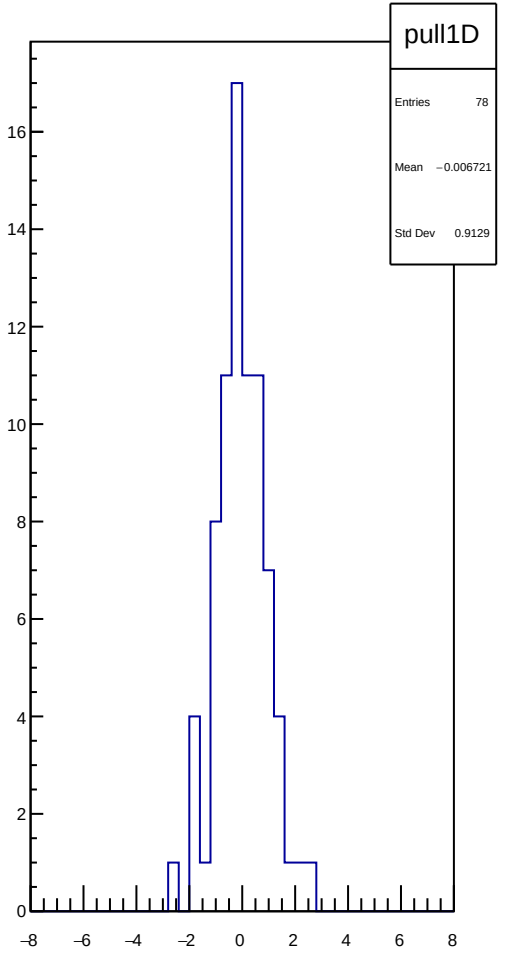

asym_atl1_rms vs run
χ² / ndf 1.718e+04 / 77
p0 2501 ± 2.009
8000
7000
6000
5000
4000
3000
2000

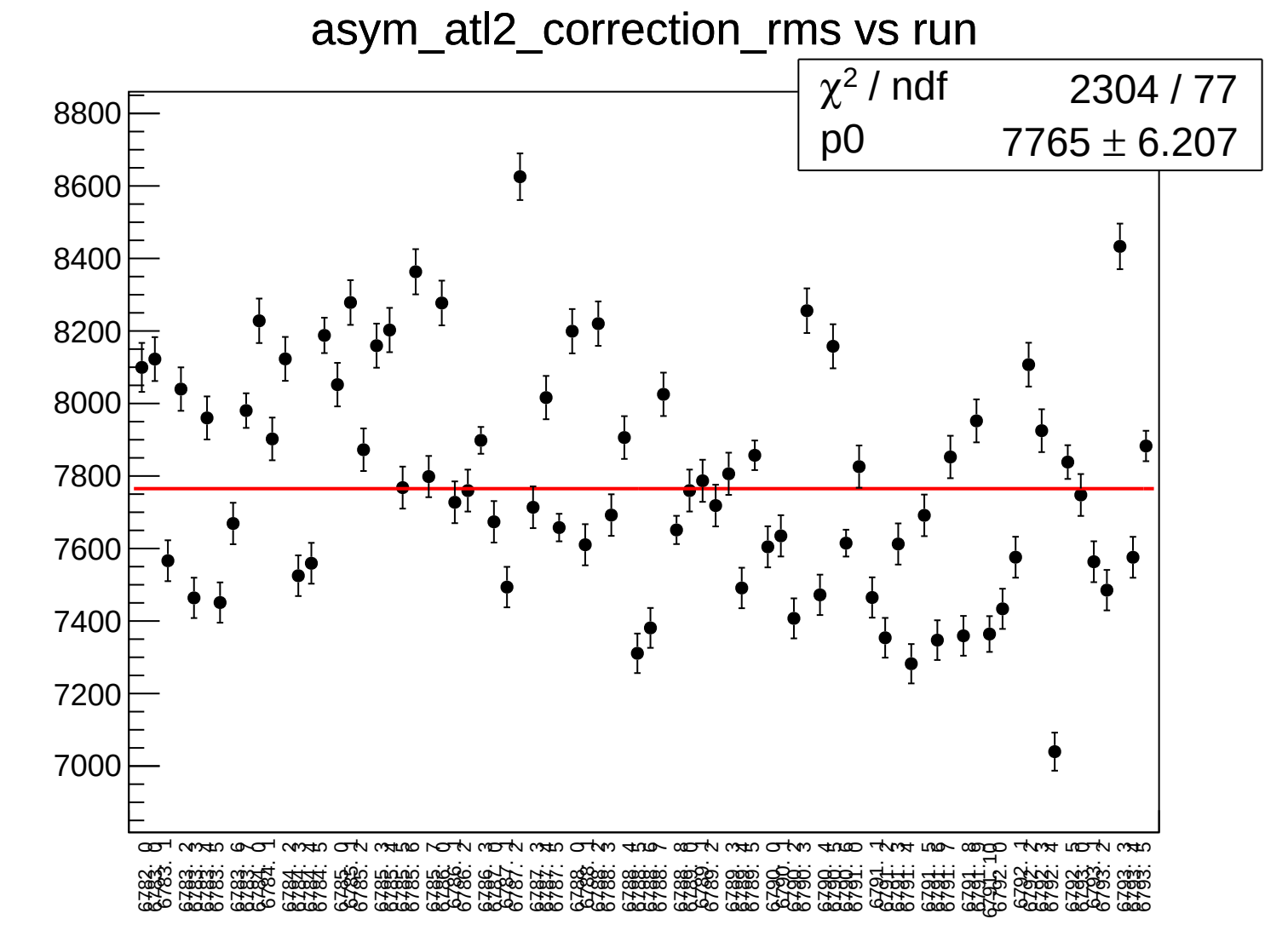

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 83.04 / 77
p0 −3872 ± 3019
100
50
0
−50
−100
pull
Entries 78
Mean −281.1
Std Dev 331.1
3
2
1
0
−1
−2

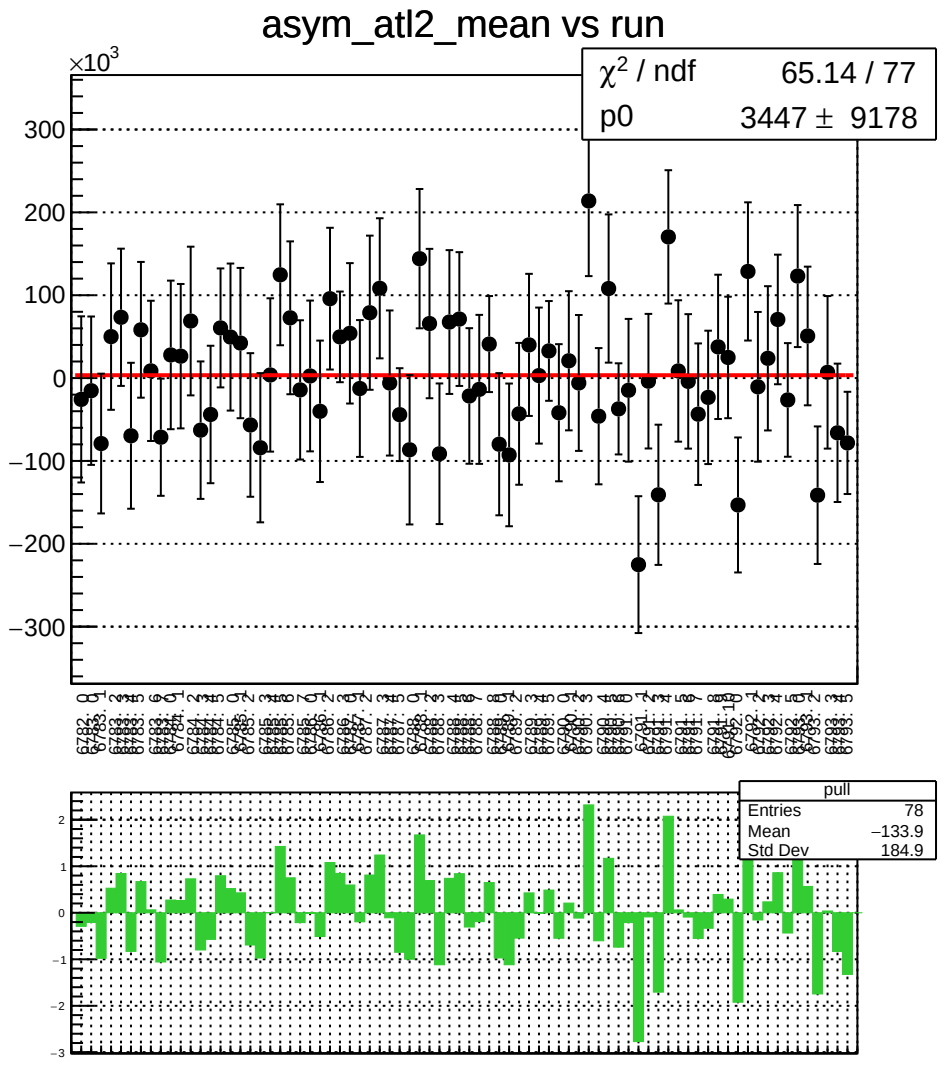

pull1D
Entries 78
Mean 0.008348
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

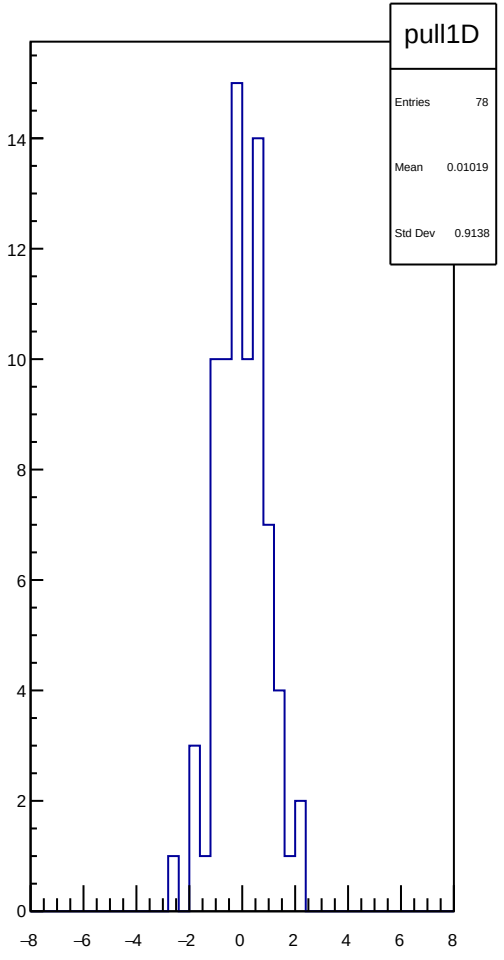

dit_asym_atl2_rms vs run
χ² / ndf 136.4 / 77
p0 2672 ± 2.135
2800
2750
2700
2650
2600

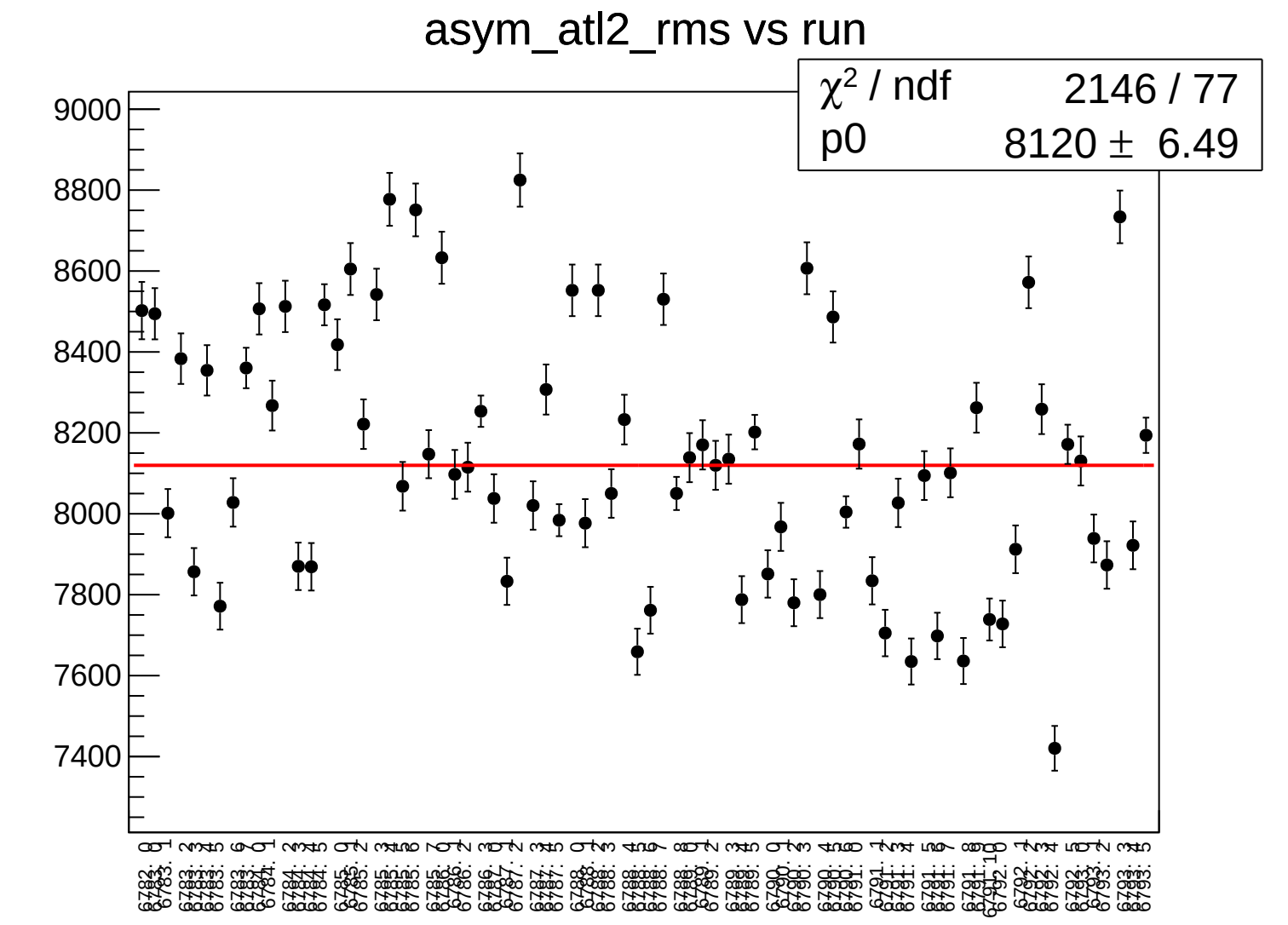

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 65.01 / 77
p0 −7468 ± 8778
300
200
100
0
−100
−200
−300
pull
Entries 78
Mean −94.57
Std Dev 146.7
2
1
0
−1
−2

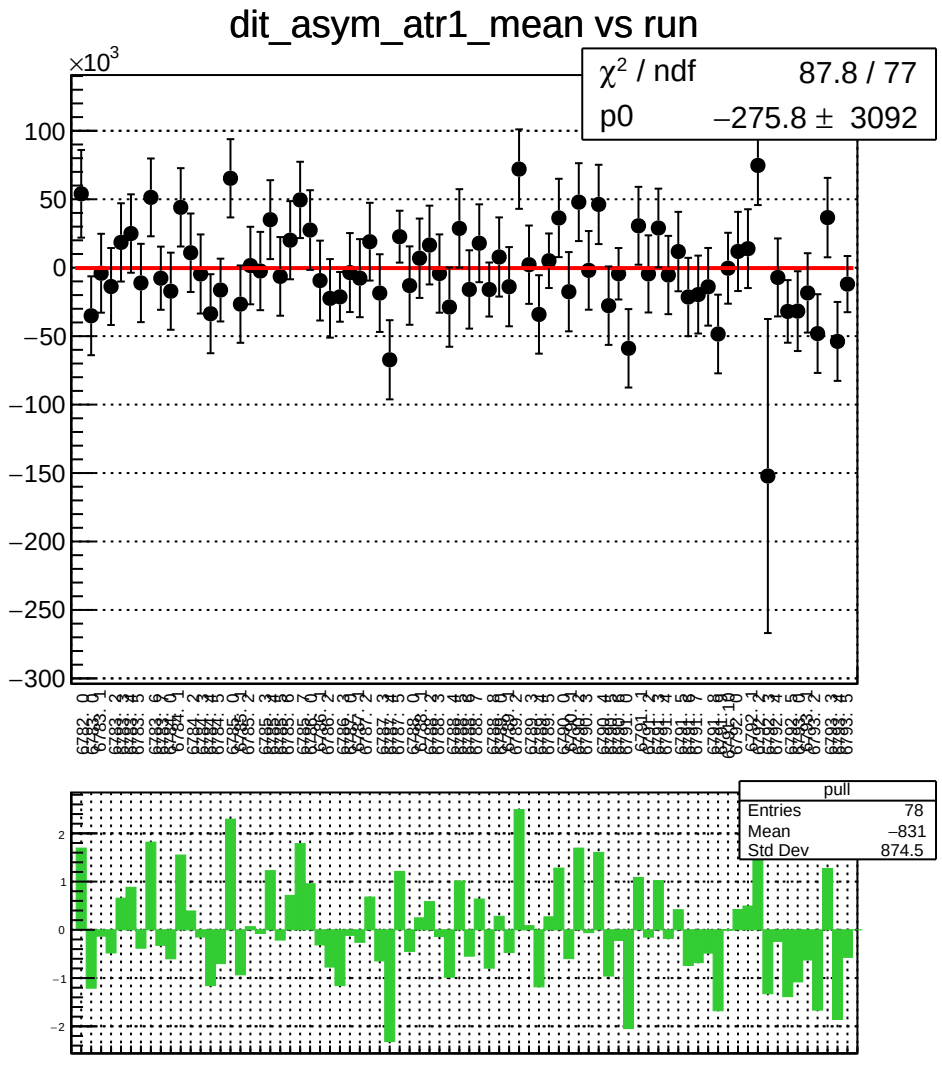

pull1D
Entries 78
Mean −0.006721
Std Dev 0.9129
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

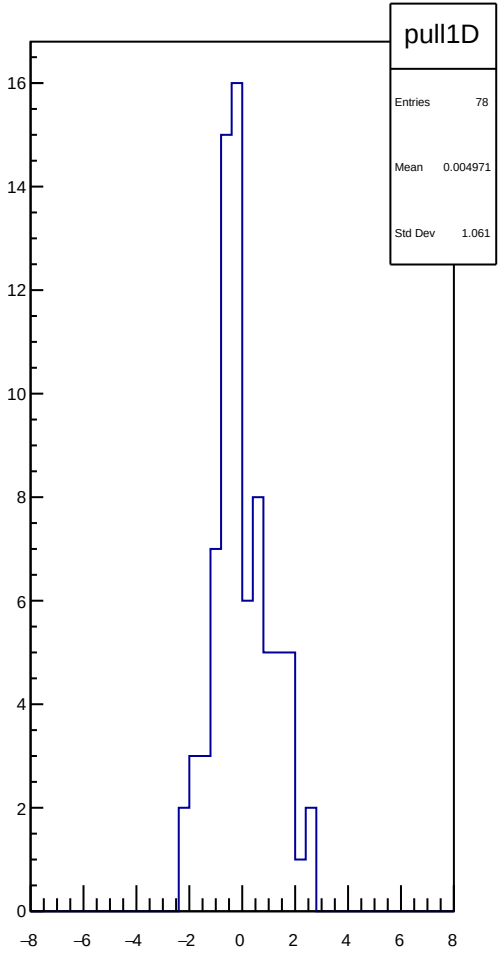

asym_atl2_correction_rms vs run
χ² / ndf 2304 / 77
p0 7765 ± 6.207
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000

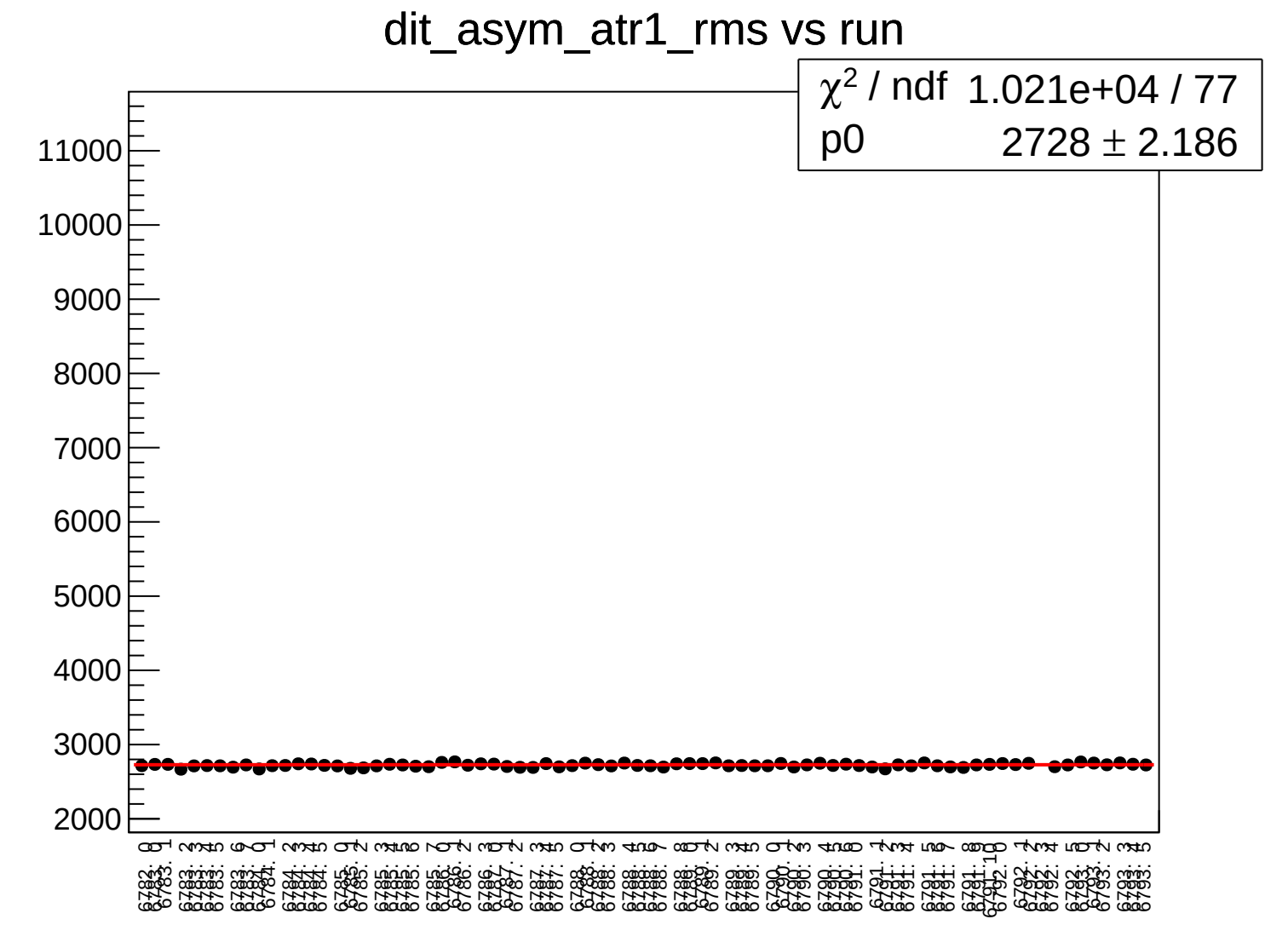

asym_atl2_mean vs run
×10^3
χ² / ndf 65.14 / 77
p0 3447 ± 9178
pull
Entries 78
Mean −133.9
Std Dev 184.9

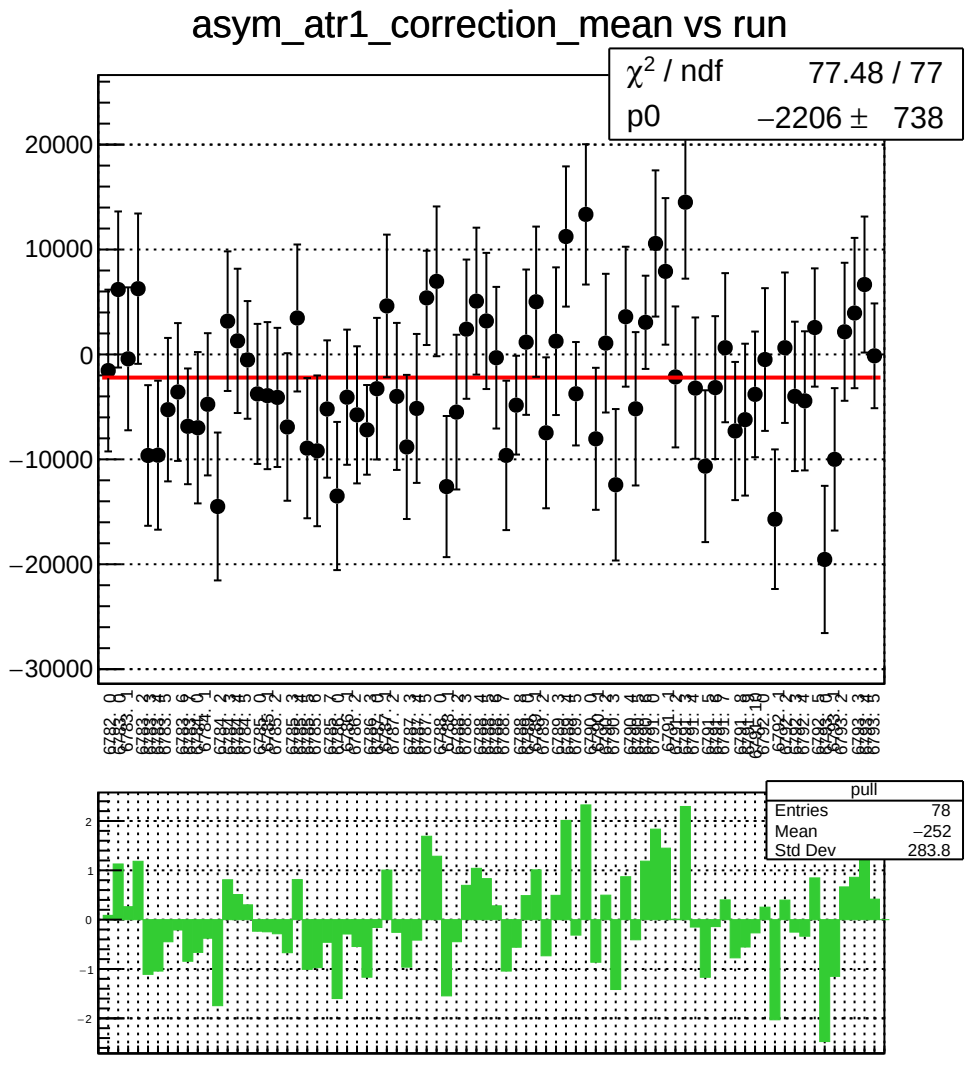

pull1D
Entries 78
Mean 0.01019
Std Dev 0.9138

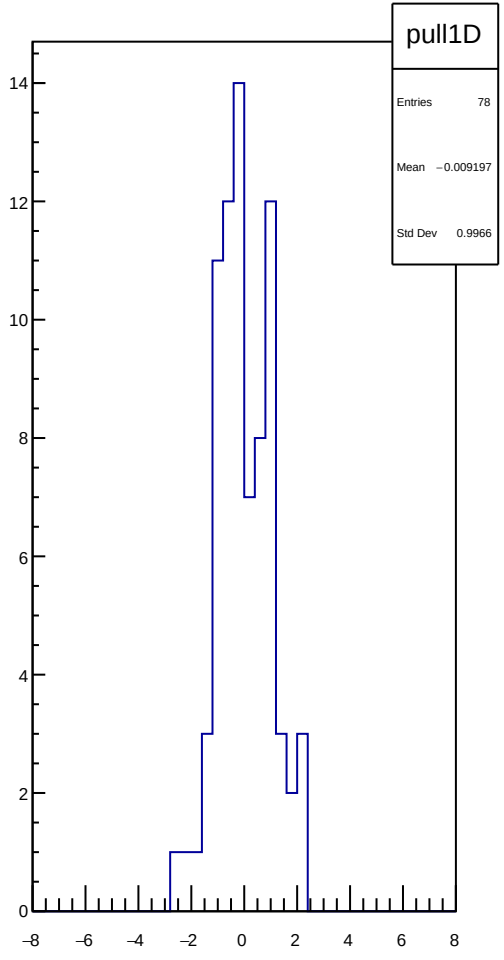

asym_atl2_rms vs run
χ² / ndf 2146 / 77
p0 8120 ± 6.49
9000
8800
8600
8400
8200
8000
7800
7600
7400

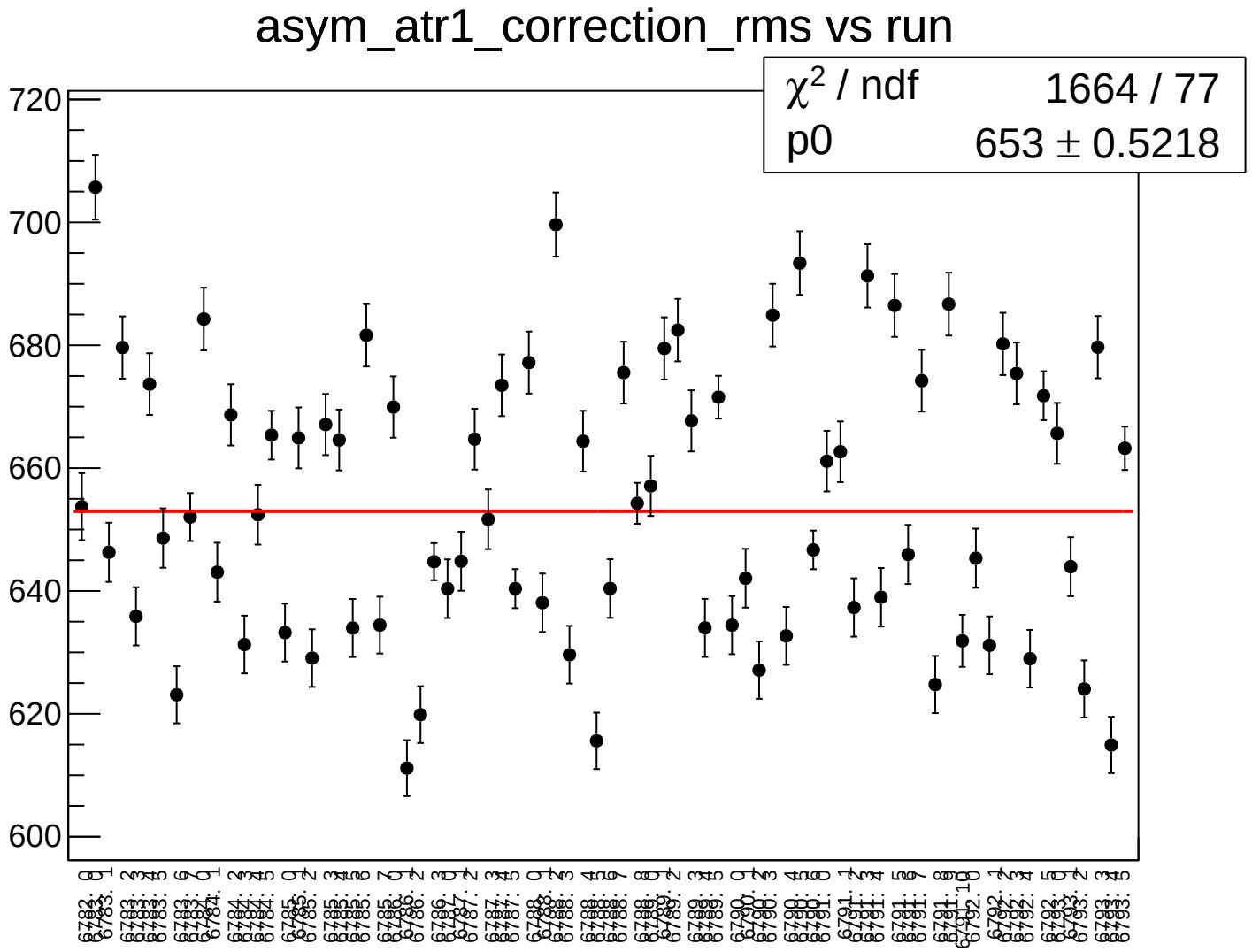

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 87.8 / 77
p0 −275.8 ± 3092
pull
Entries 78
Mean −831
Std Dev 874.5

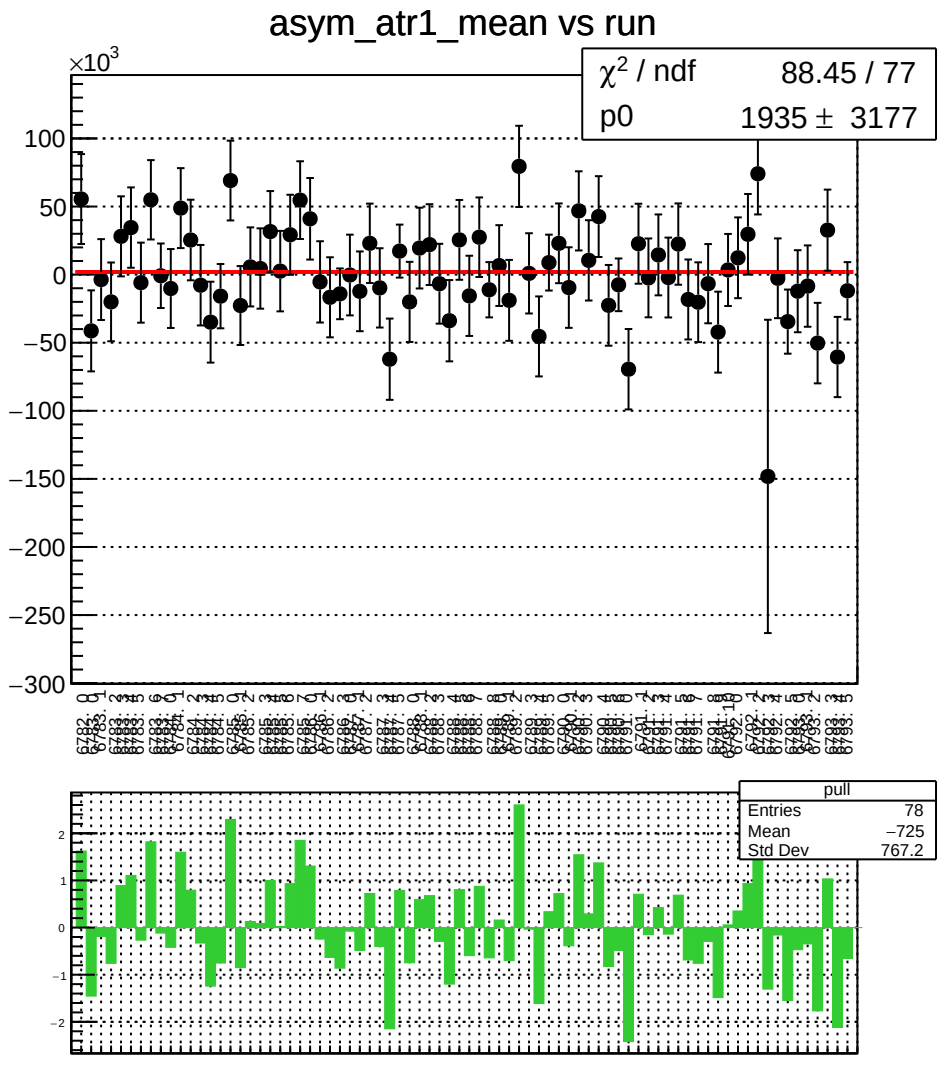

pull1D
Entries 78
Mean 0.004971
Std Dev 1.061

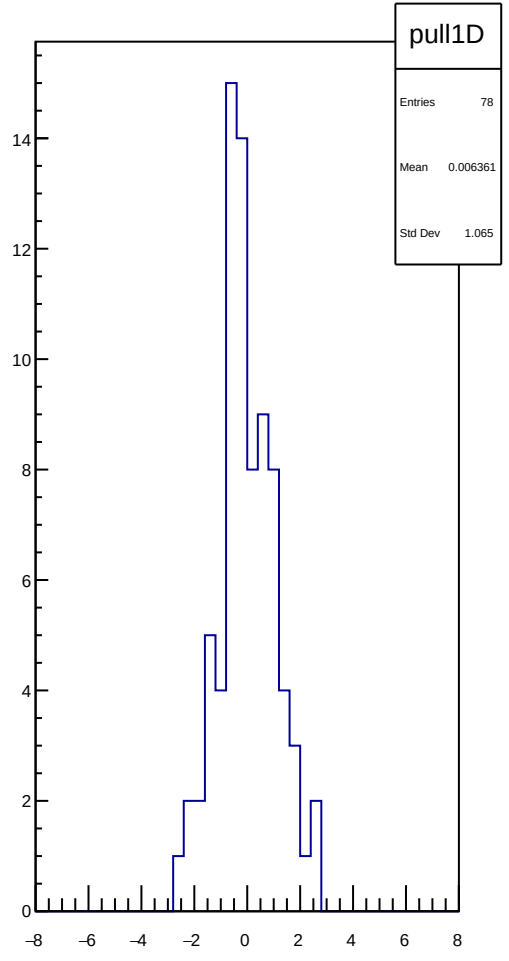

dit_asym_atr1_rms vs run
χ^2 / ndf 1.021e+04 / 77
p0 2728 ± 2.186
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

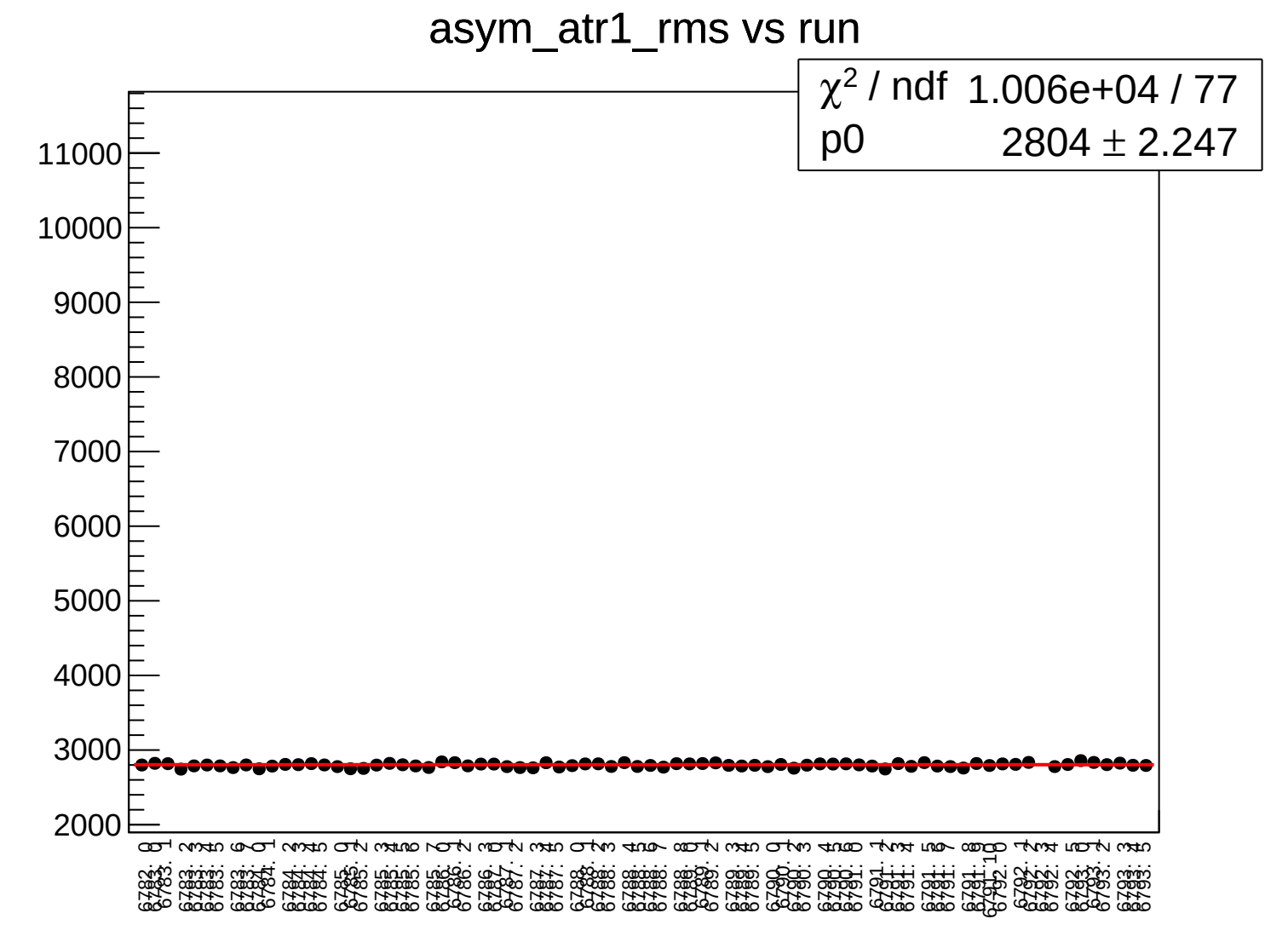

asym_atr1_correction_mean vs run
χ² / ndf 77.48 / 77
p0 −2206 ± 738
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −252
Std Dev 283.8
2
1
0
−1
−2

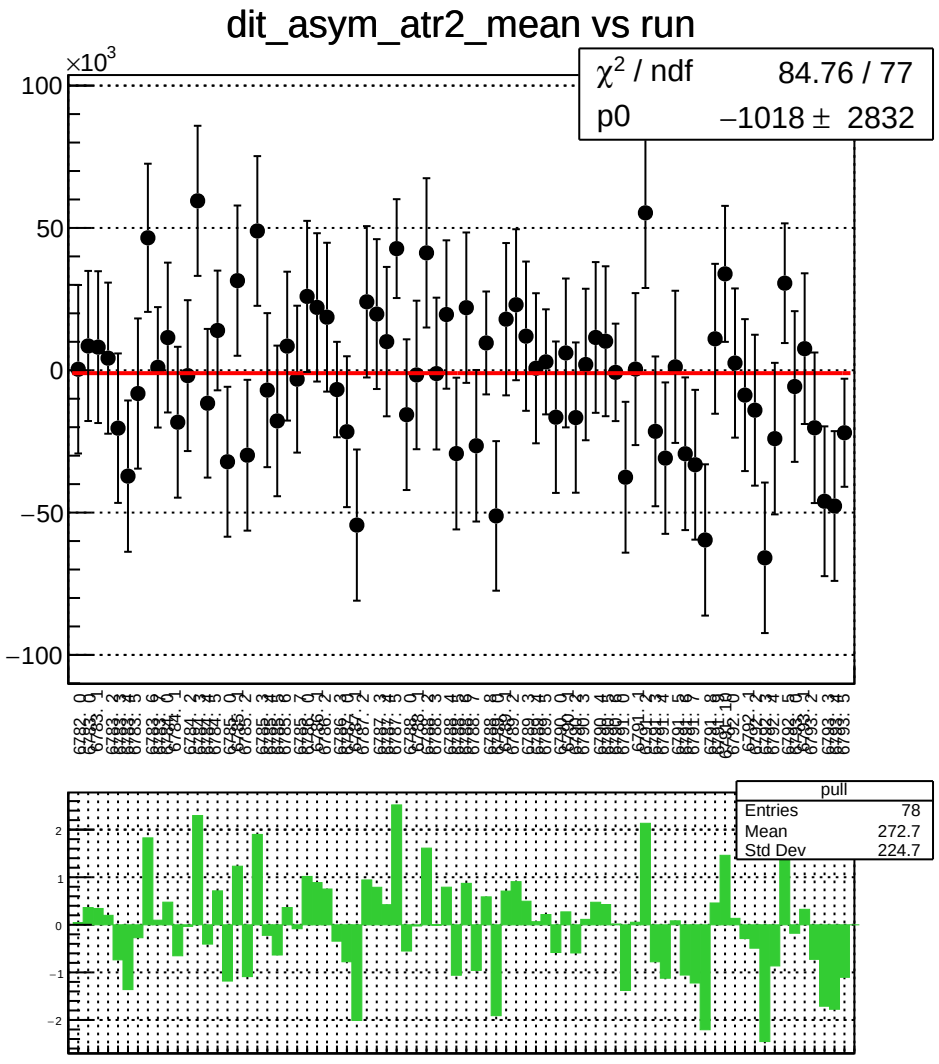

pull1D
Entries 78
Mean −0.009197
Std Dev 0.9966
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

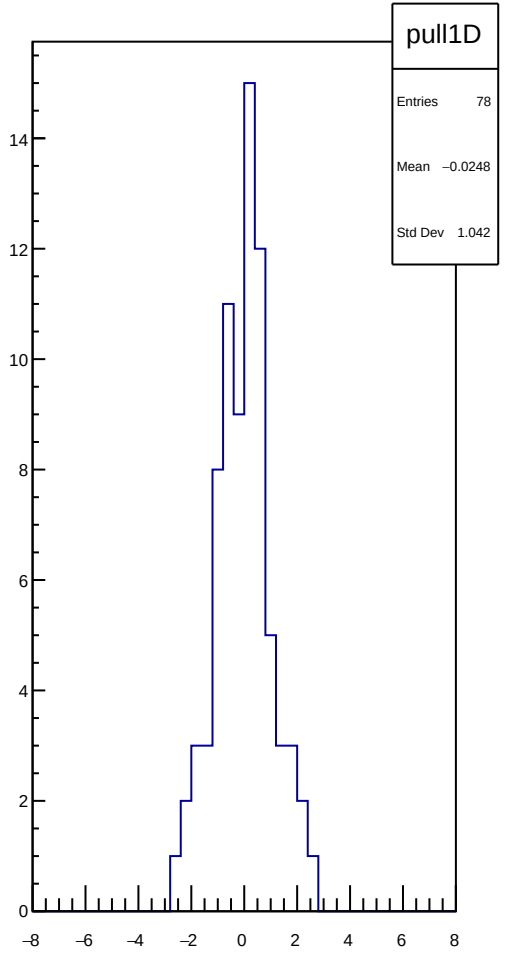

asym_atr1_correction_rms vs run
χ² / ndf 1664 / 77
p0 653 ± 0.5218
720
700
680
660
640
620
600

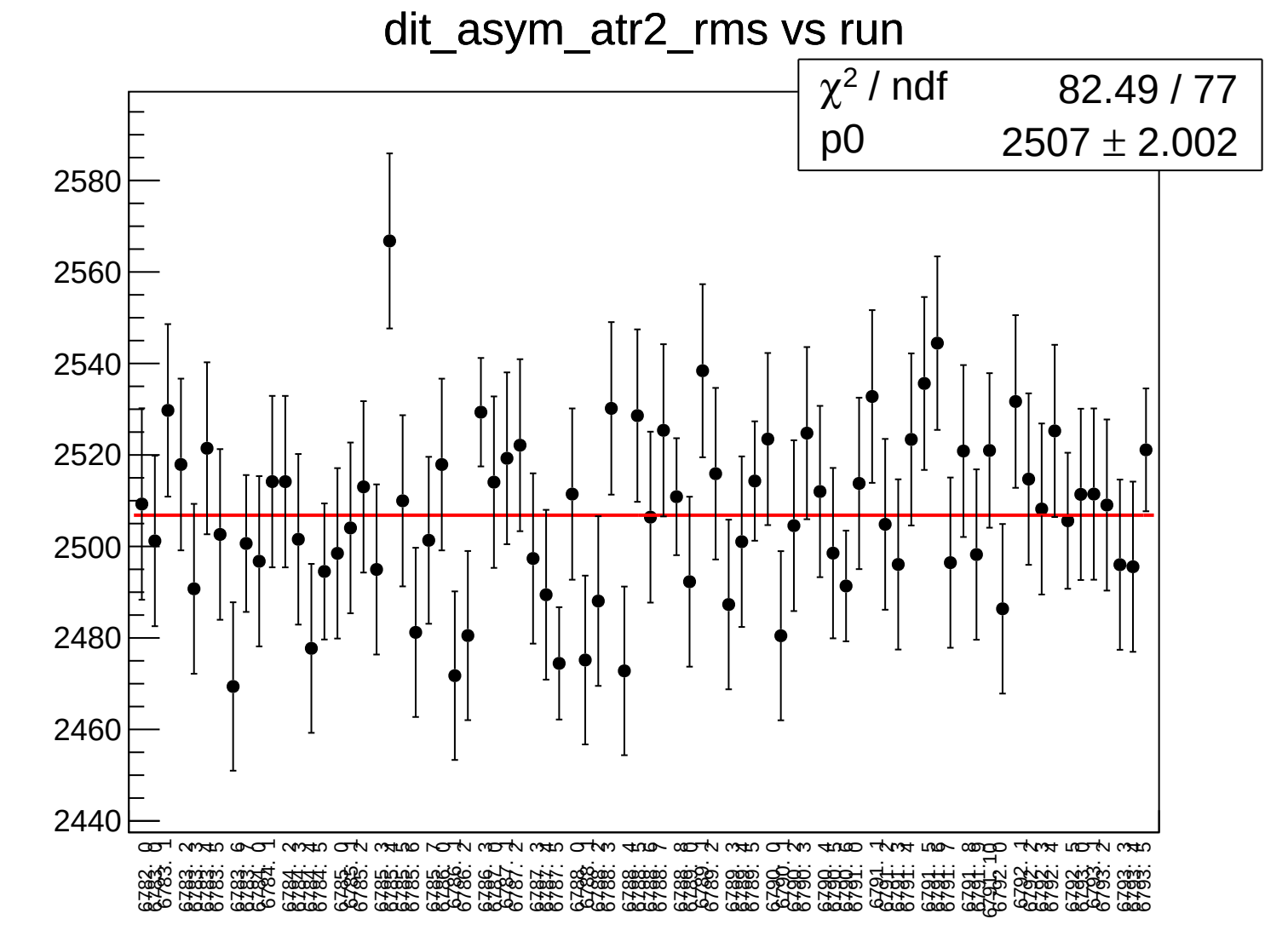

asym_atr1_mean vs run
×10^3
χ^2 / ndf 88.45 / 77
p0 1935 ± 3177
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 78
Mean −725
Std Dev 767.2
2
1
0
−1
−2

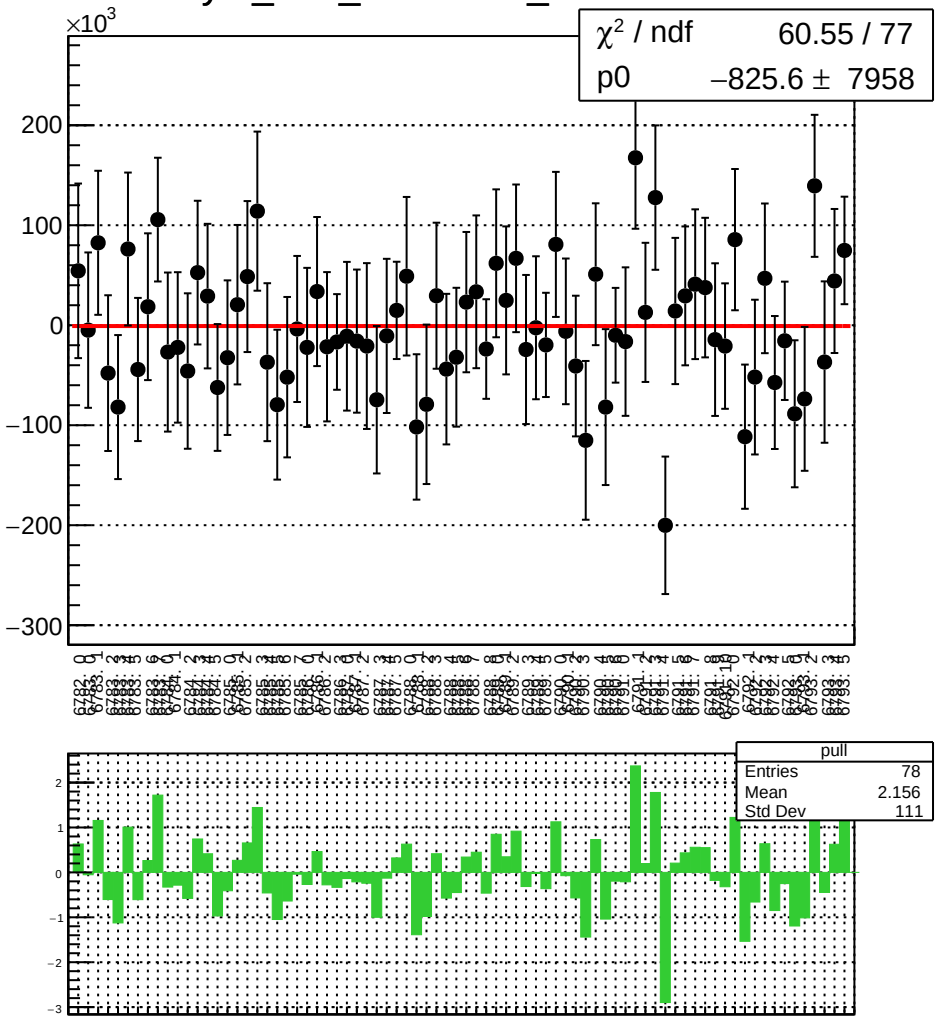

pull1D
Entries 78
Mean 0.006361
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

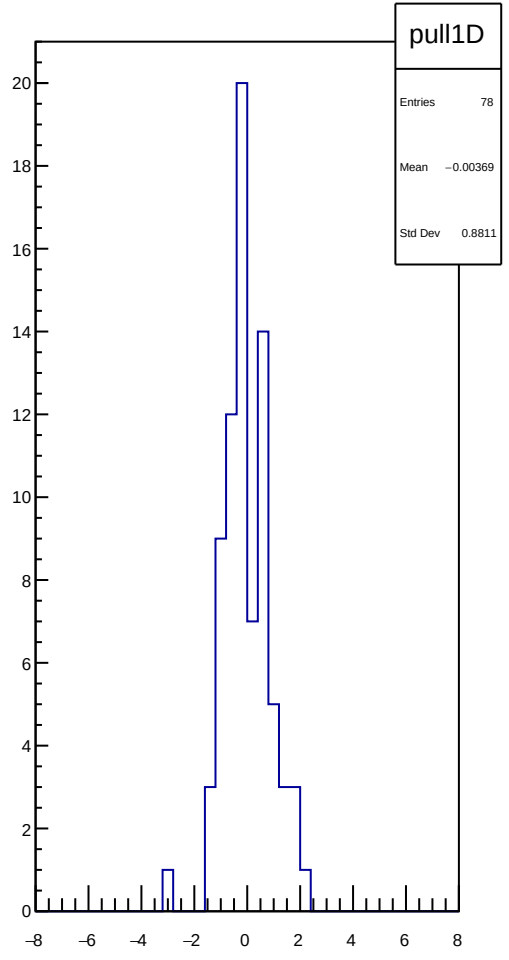

asym_atr1_rms vs run
χ^2 / ndf 1.006e+04 / 77
p0 2804 ± 2.247
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

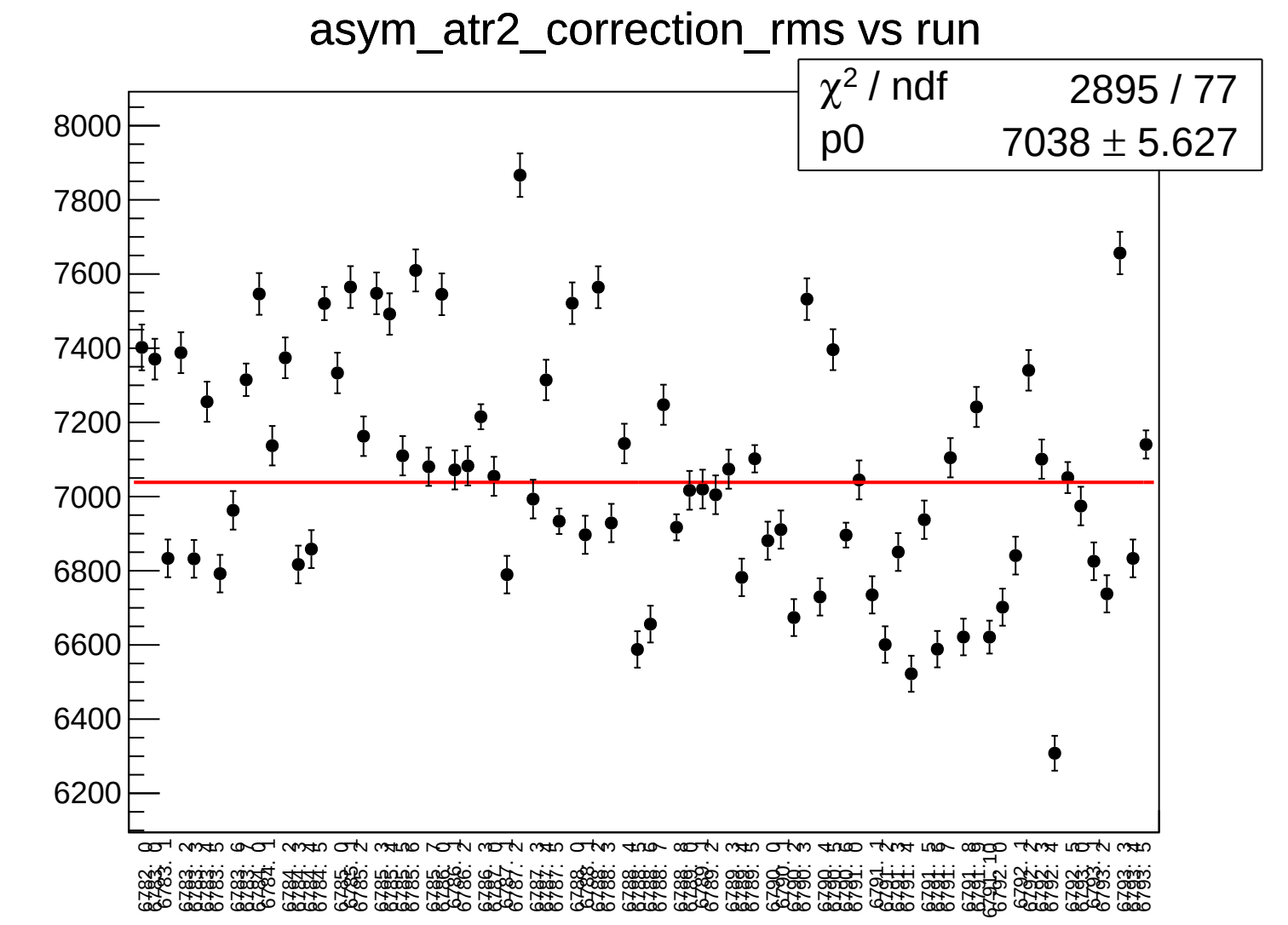

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 84.76 / 77
p0 −1018 ± 2832
100
50
0
−50
−100
pull
Entries 78
Mean 272.7
Std Dev 224.7
2
1
0
−1
−2

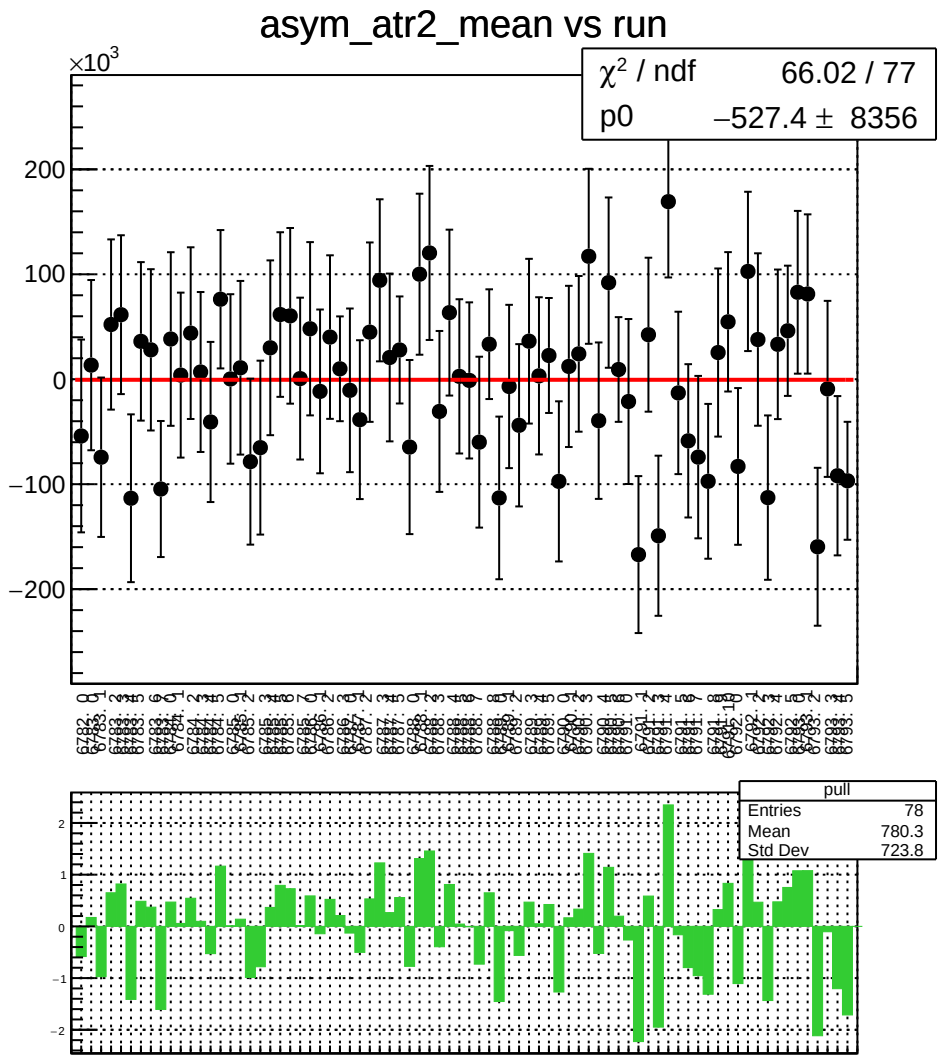

pull1D
Entries 78
Mean −0.0248
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

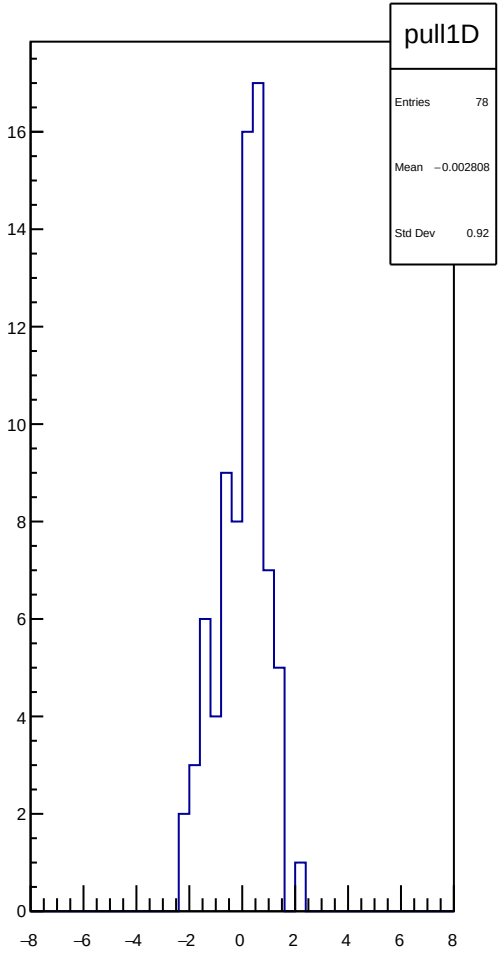

dit_asym_atr2_rms vs run
χ^2 / ndf 82.49 / 77
p0 2507 ± 2.002
2580
2560
2540
2520
2500
2480
2460
2440

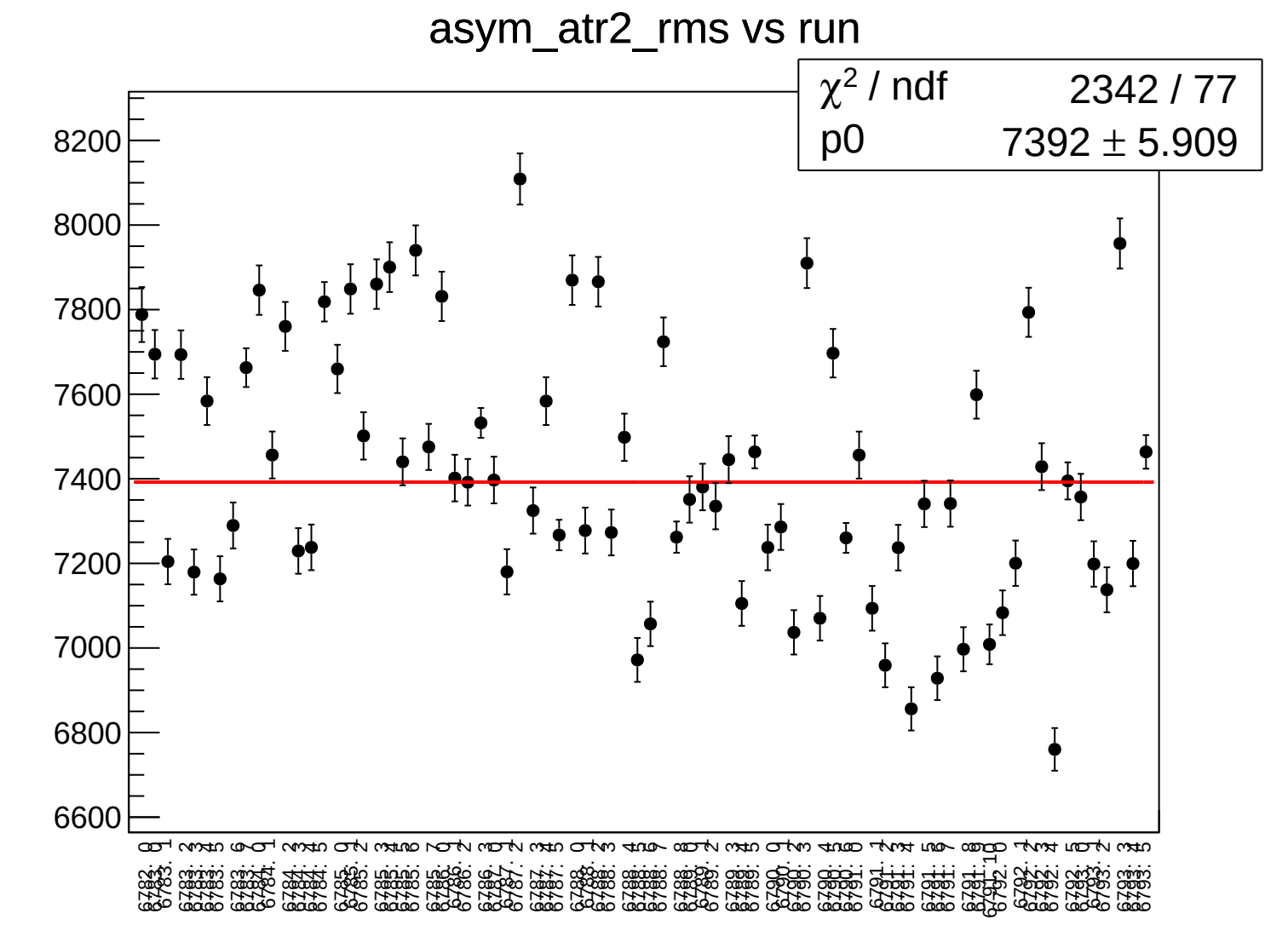

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 60.55 / 77
p0 −825.6 ± 7958
200
100
0
−100
−200
−300
pull
Entries 78
Mean 2.156
Std Dev 111
2
1
0
−1
−2
−3

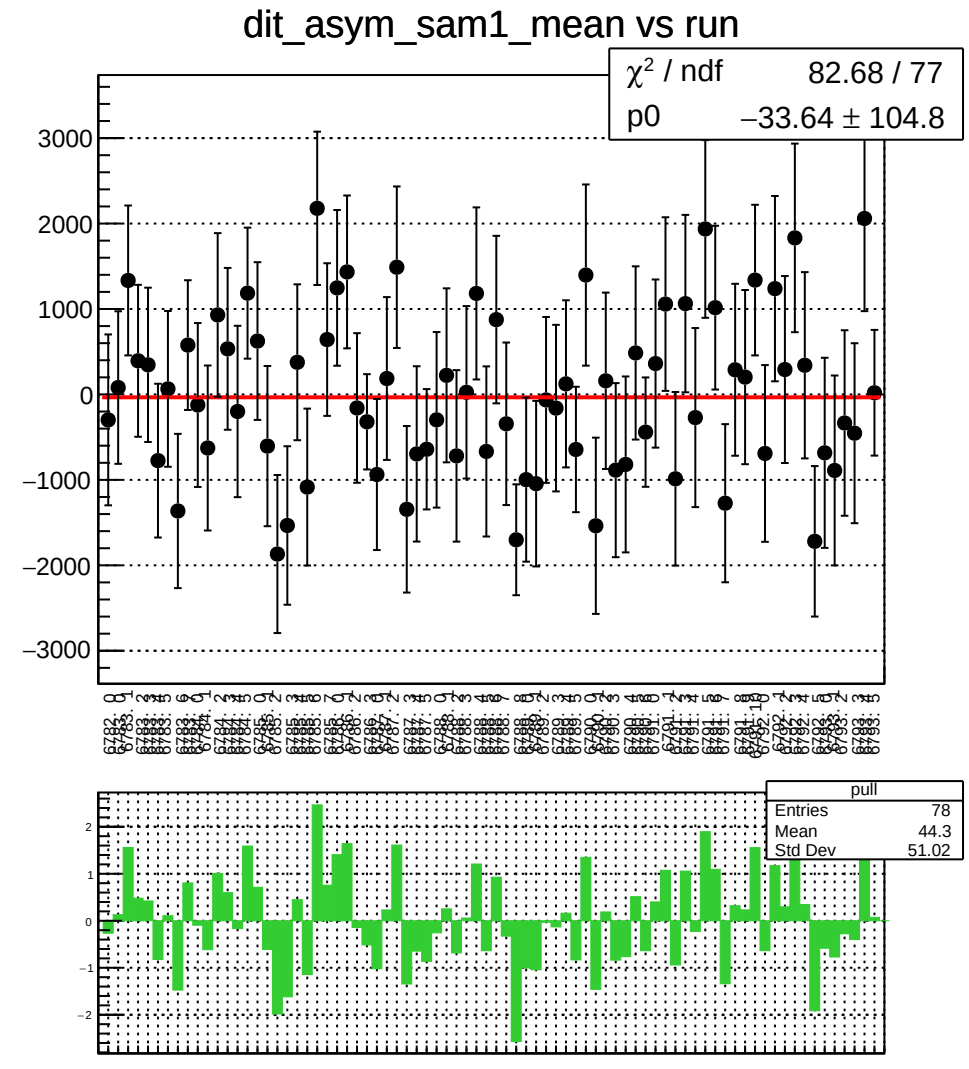

pull1D
Entries 78
Mean −0.00369
Std Dev 0.8811
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

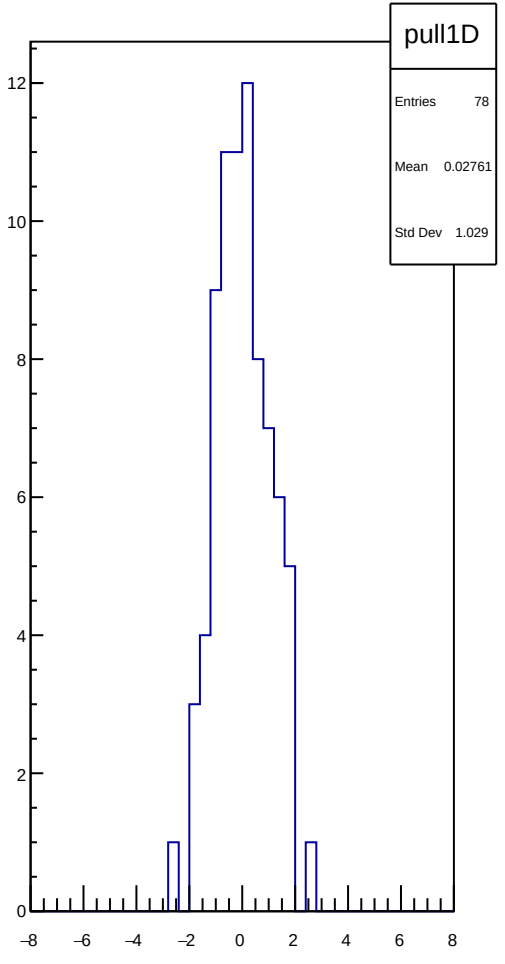

asym_atr2_correction_rms vs run
χ² / ndf 2895 / 77
p0 7038 ± 5.627
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200

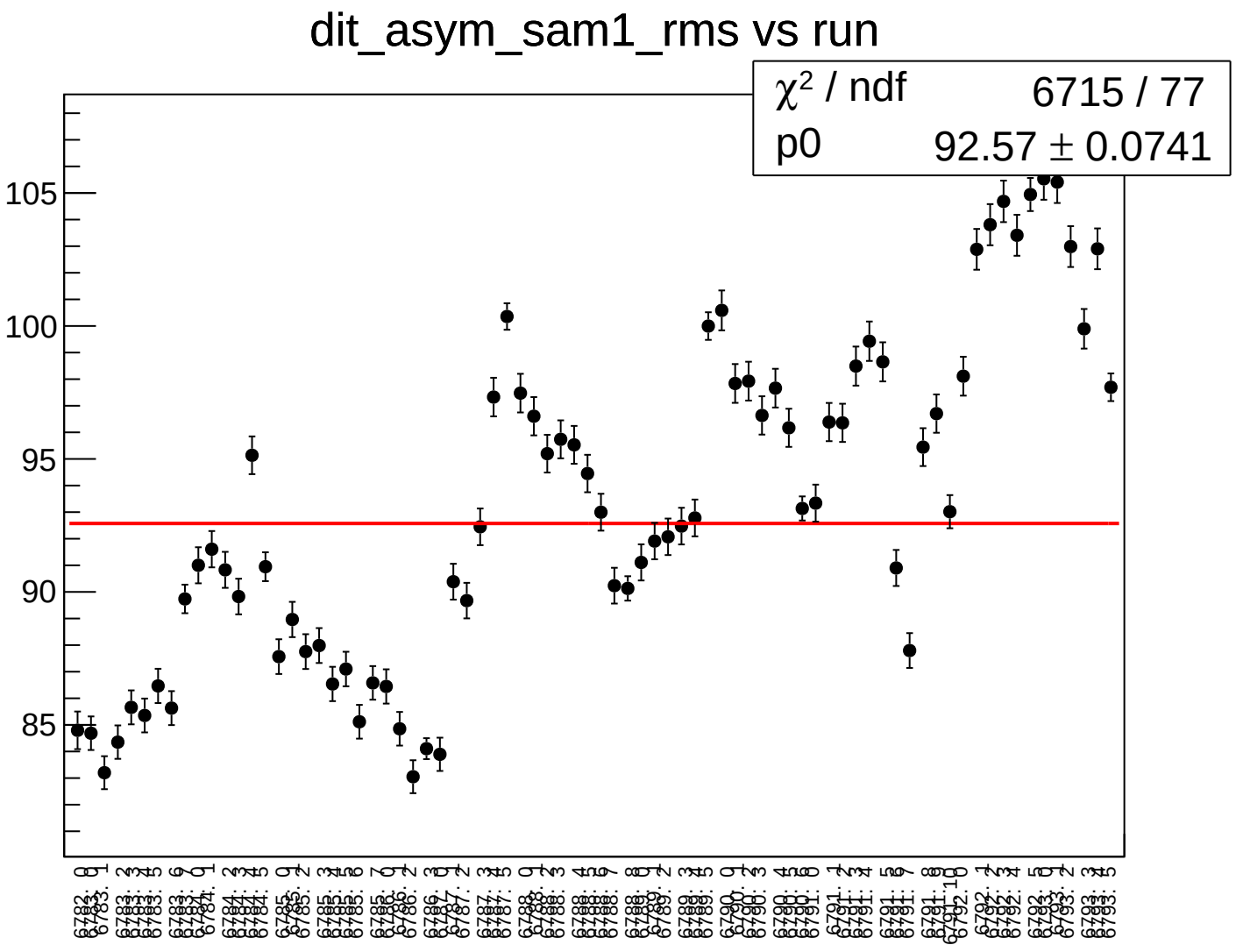

asym_atr2_mean vs run
×10^3
χ² / ndf 66.02 / 77
p0 −527.4 ± 8356
200
100
0
−100
−200
pull
Entries 78
Mean 780.3
Std Dev 723.8
2
1
0
−1
−2


pull1D
Entries 78
Mean −0.002808
Std Dev 0.92
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

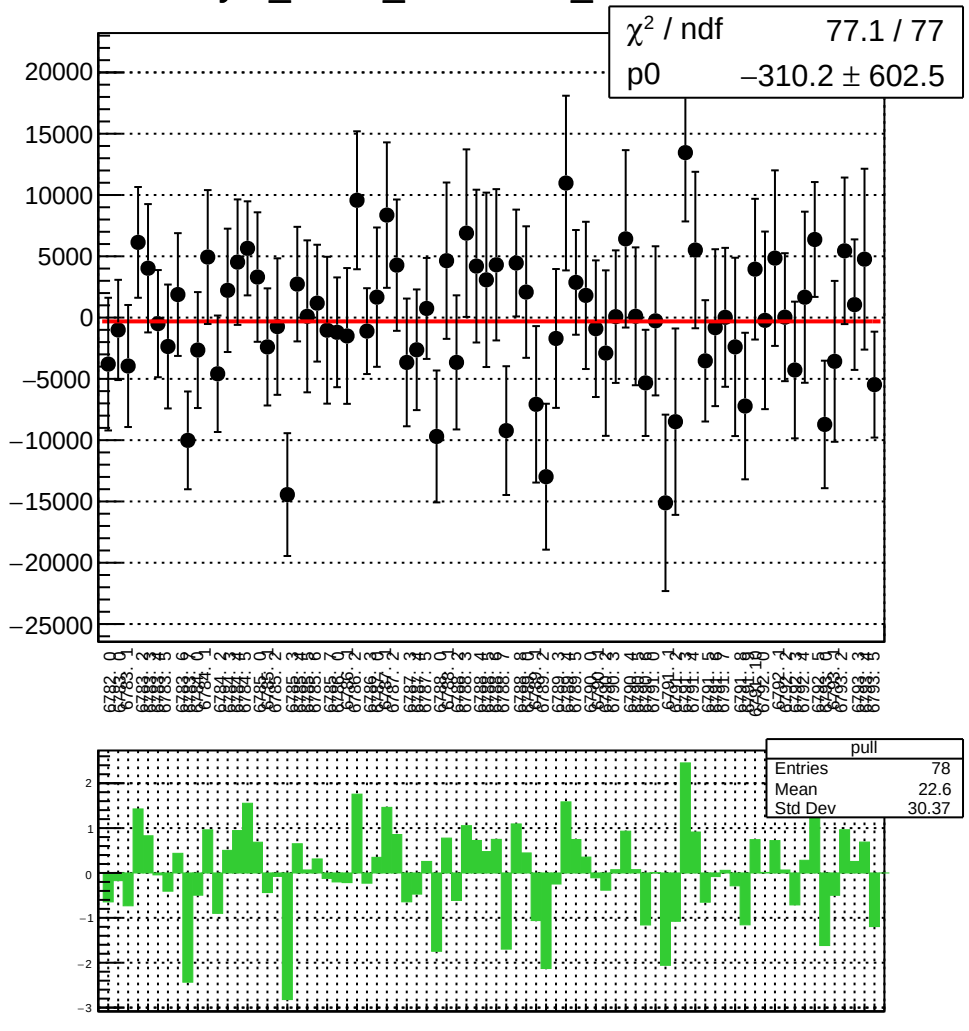

asym_atr2_rms vs run
χ² / ndf 2342 / 77
p0 7392 ± 5.909
8200
8000
7800
7600
7400
7200
7000
6800
6600

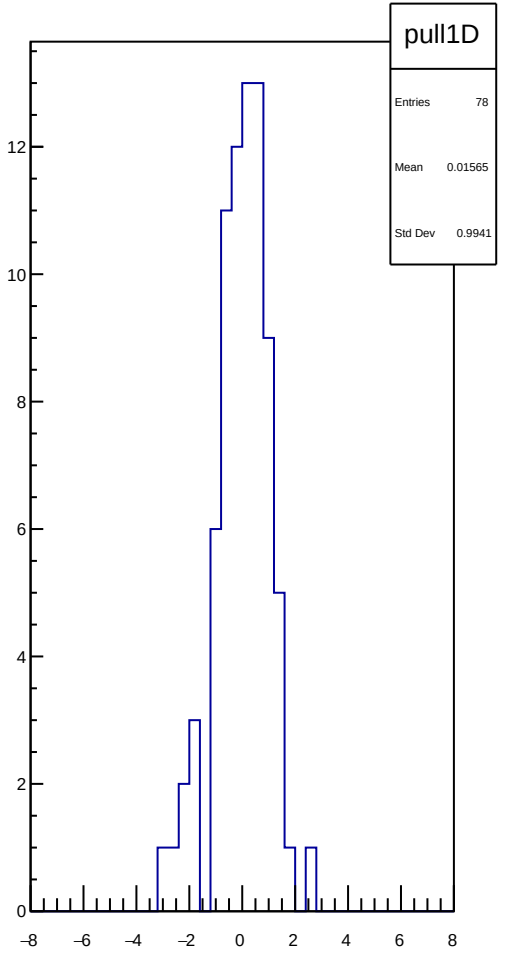

dit_asym_sam1_mean vs run
χ² / ndf 82.68 / 77
p0 −33.64 ± 104.8
pull
Entries 78
Mean 44.3
Std Dev 51.02

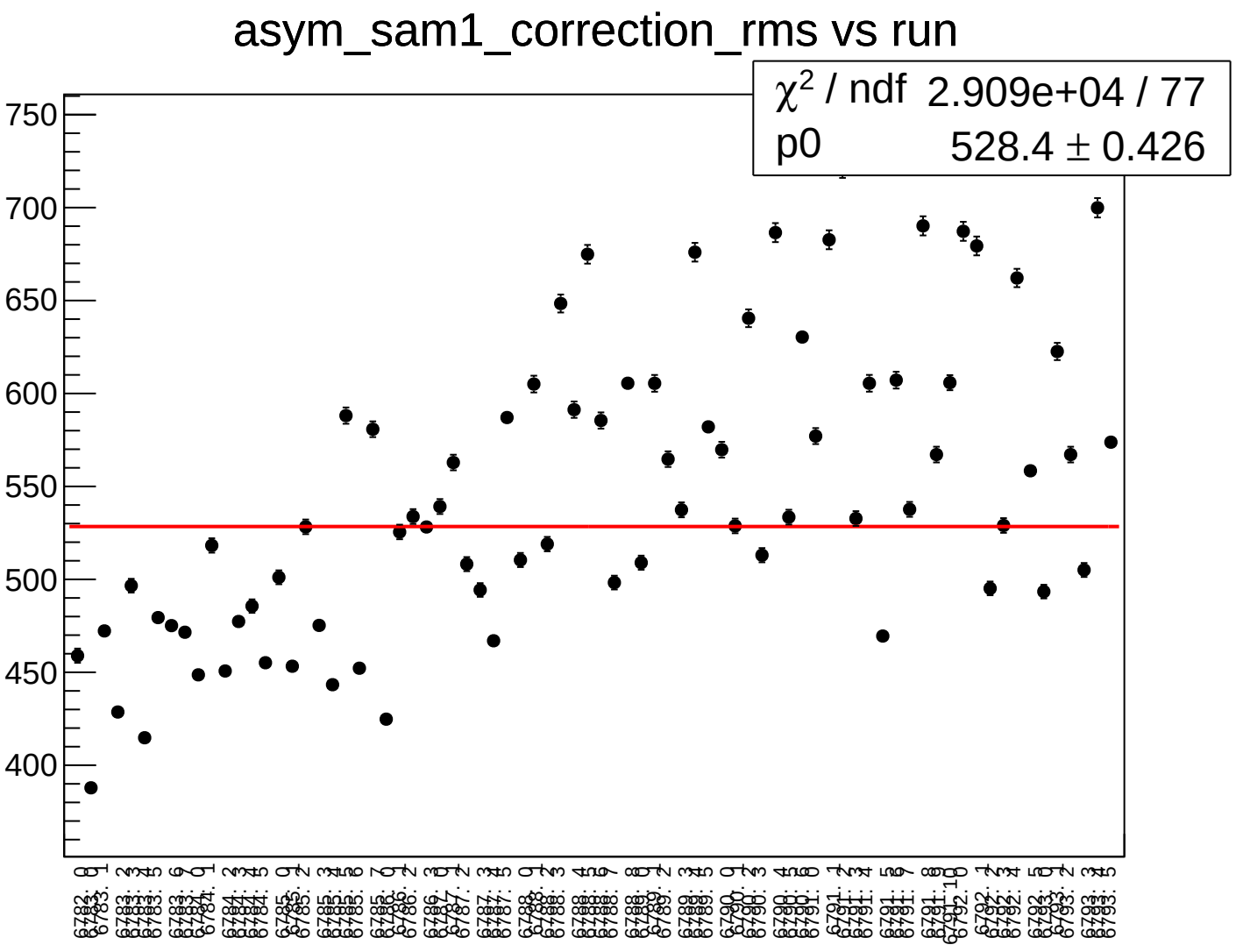

pull1D
Entries 78
Mean 0.02761
Std Dev 1.029

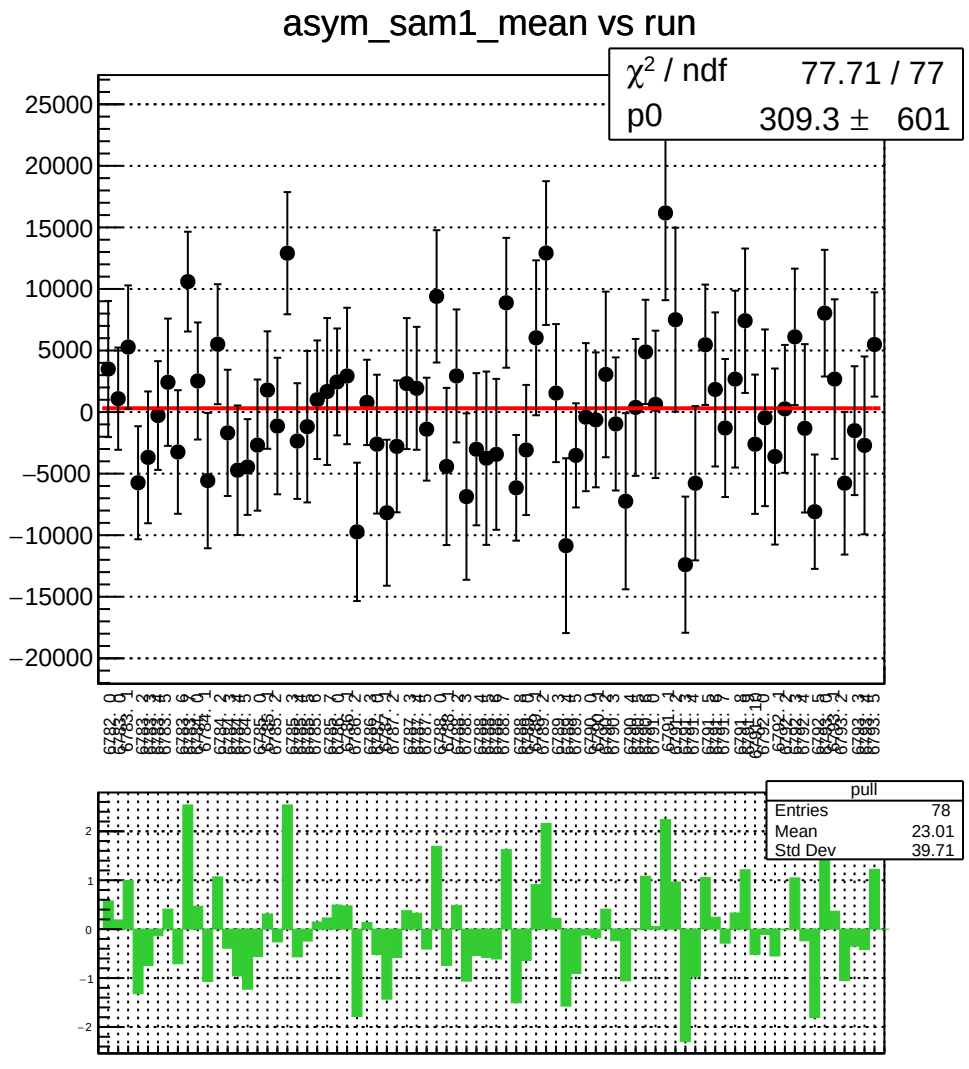

dit_asym_sam1_rms vs run
χ² / ndf 6715 / 77
p0 92.57 ± 0.0741
105
100
95
90
85

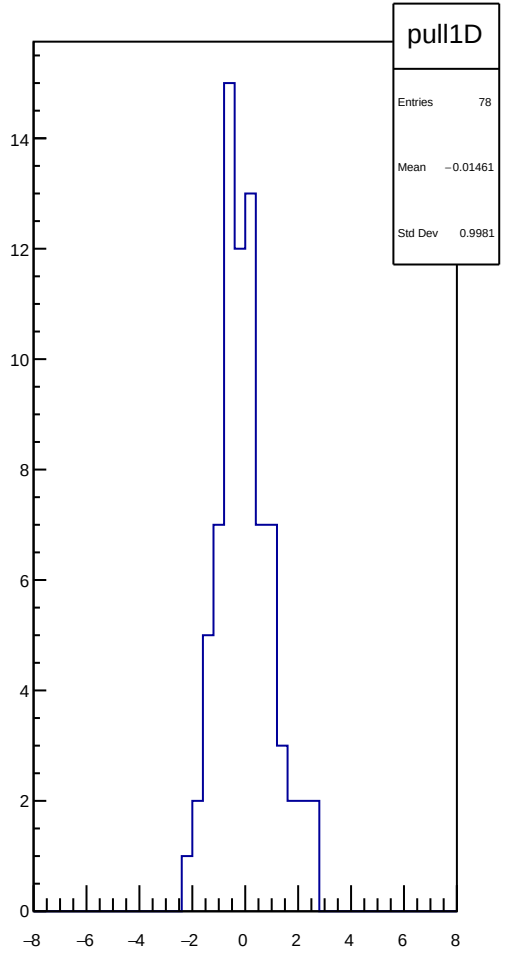
asym_sam1_correction_mean vs run

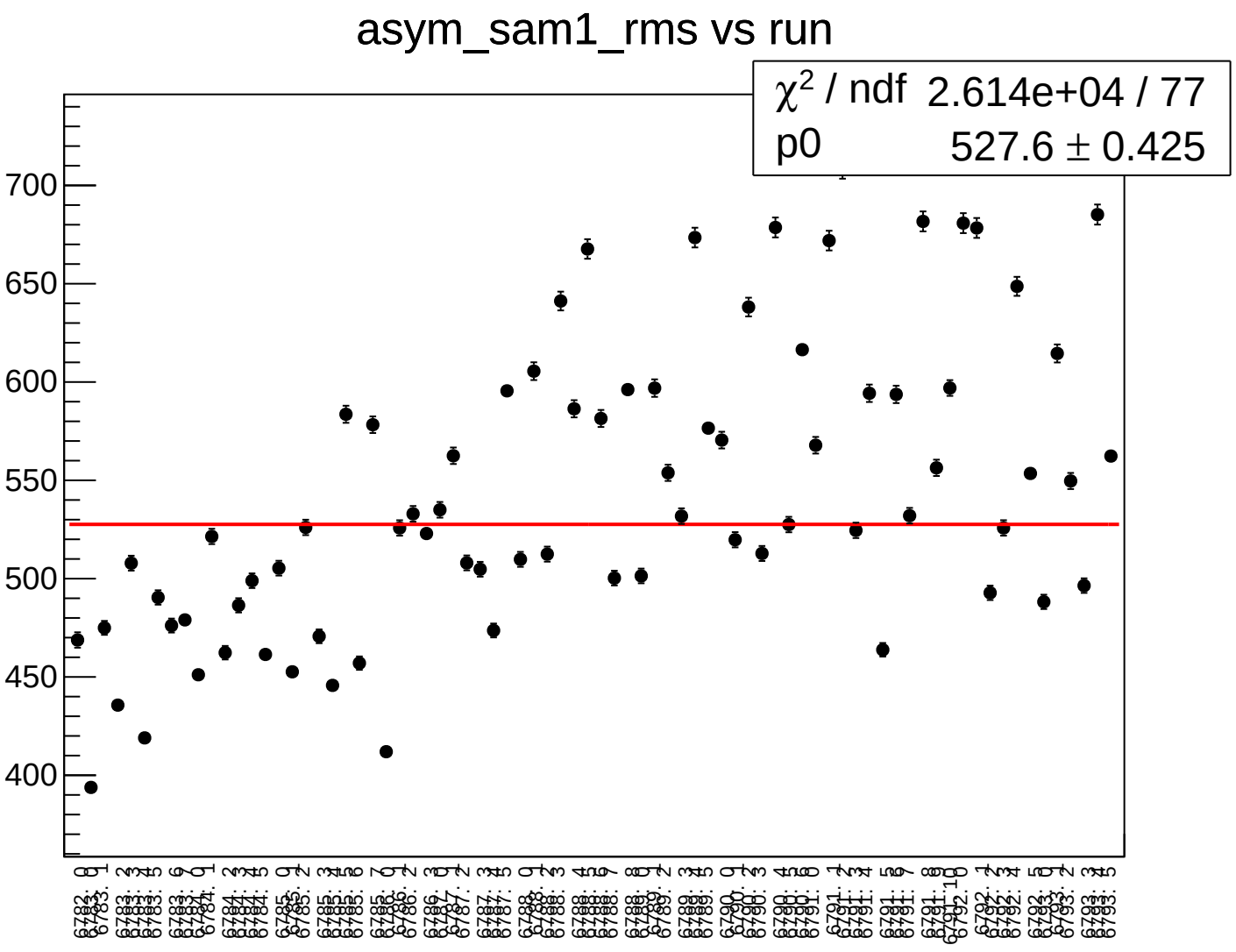


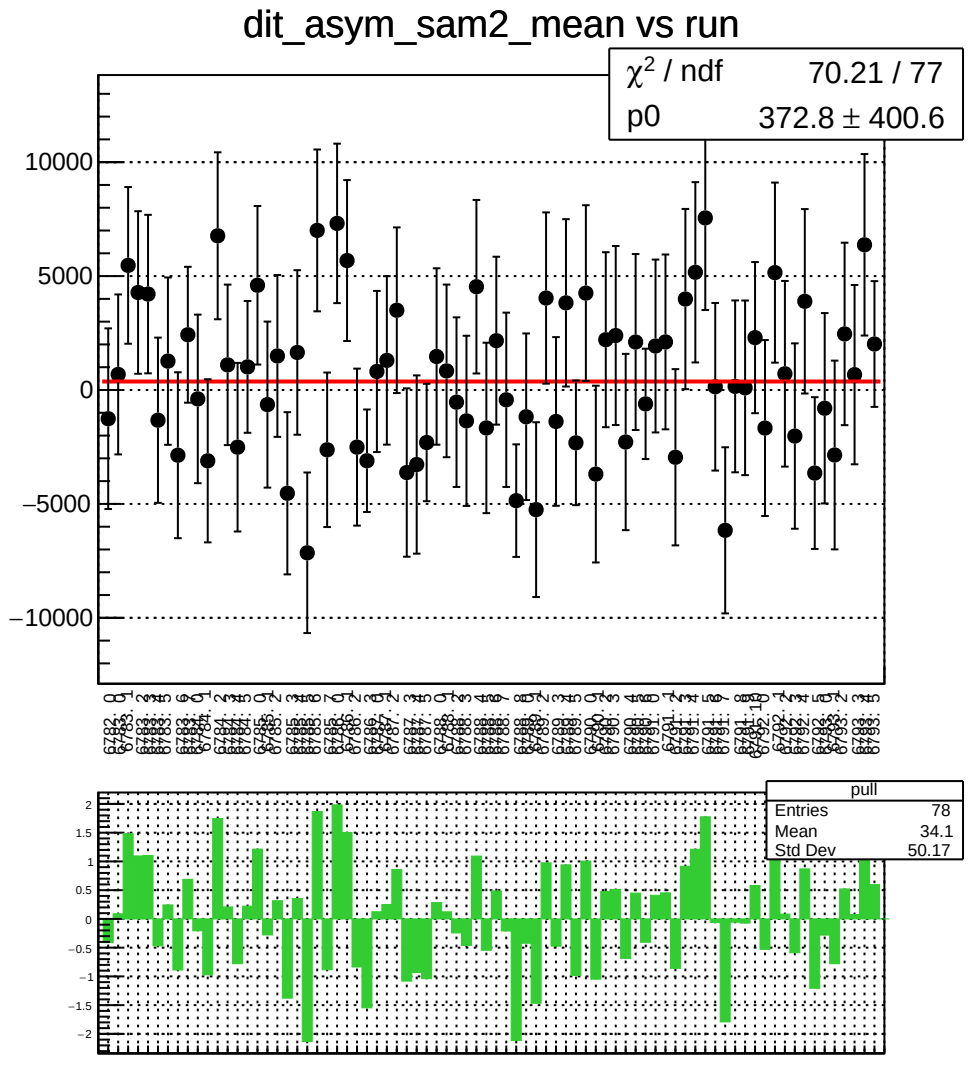


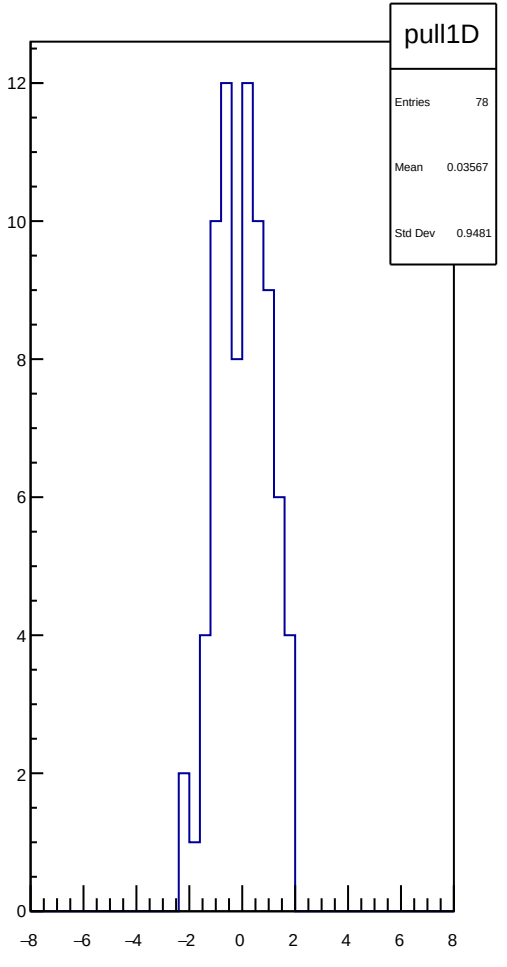

asym_sam1_correction_rms vs run
χ² / ndf 2.909e+04 / 77
p0 528.4 ± 0.426
750
700
650
600
550
500
450
400

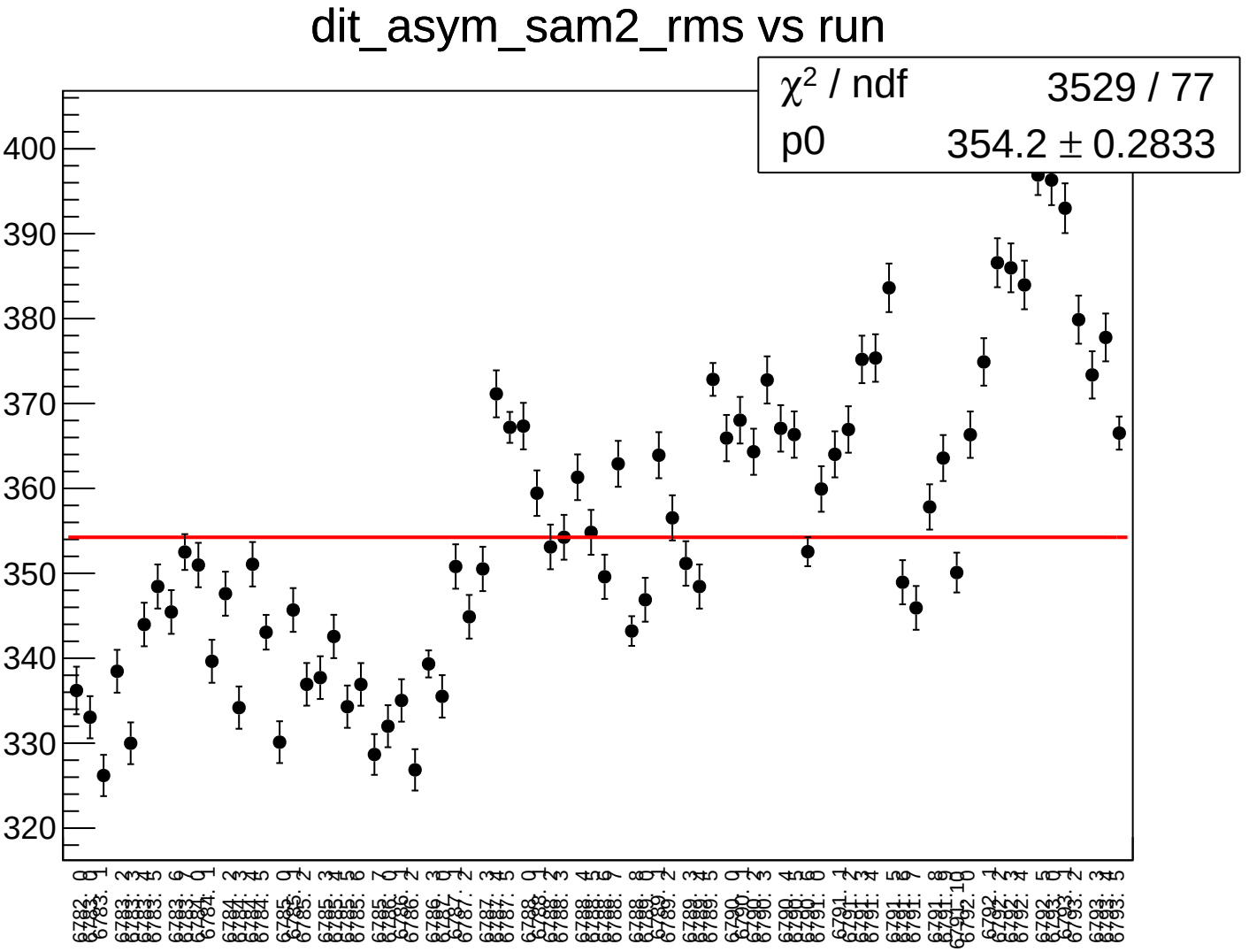

asym_sam1_mean vs run
χ² / ndf 77.71 / 77
p0 309.3 ± 601
pull
Entries 78
Mean 23.01
Std Dev 39.71

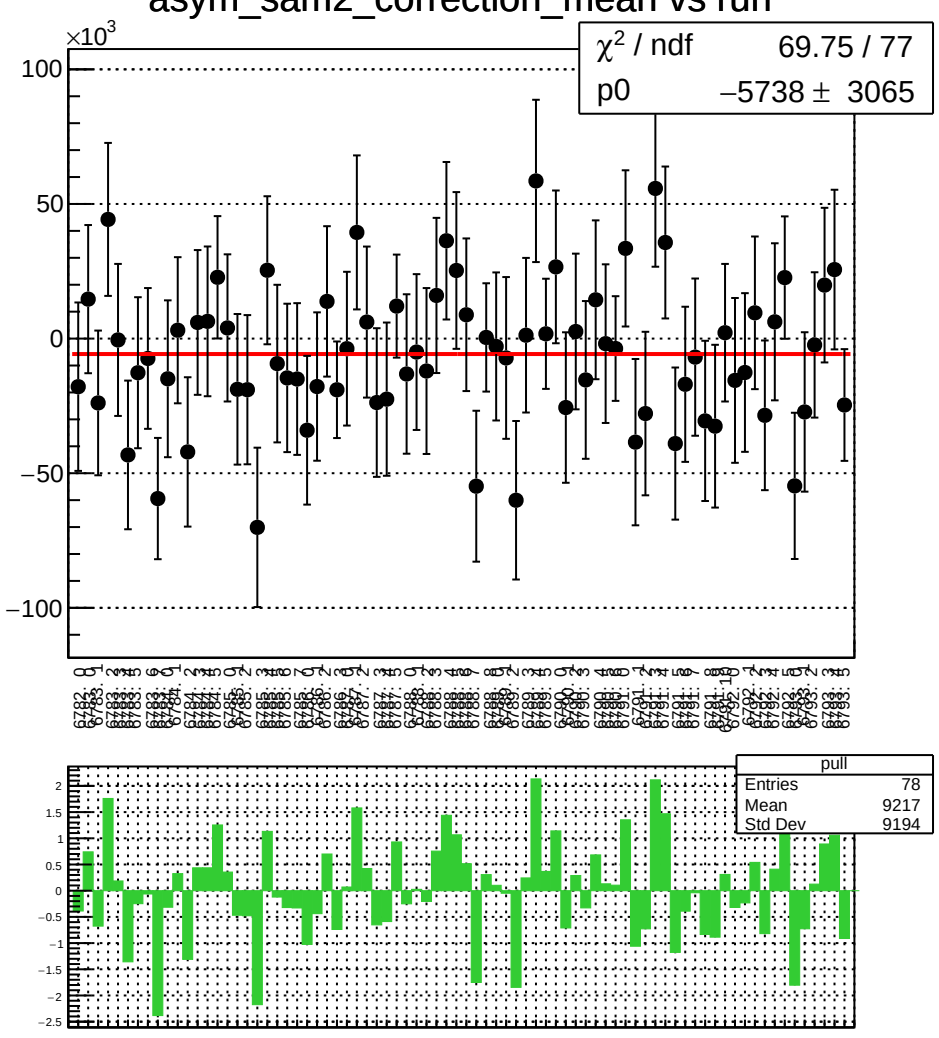

pull1D
Entries 78
Mean −0.01461
Std Dev 0.9981

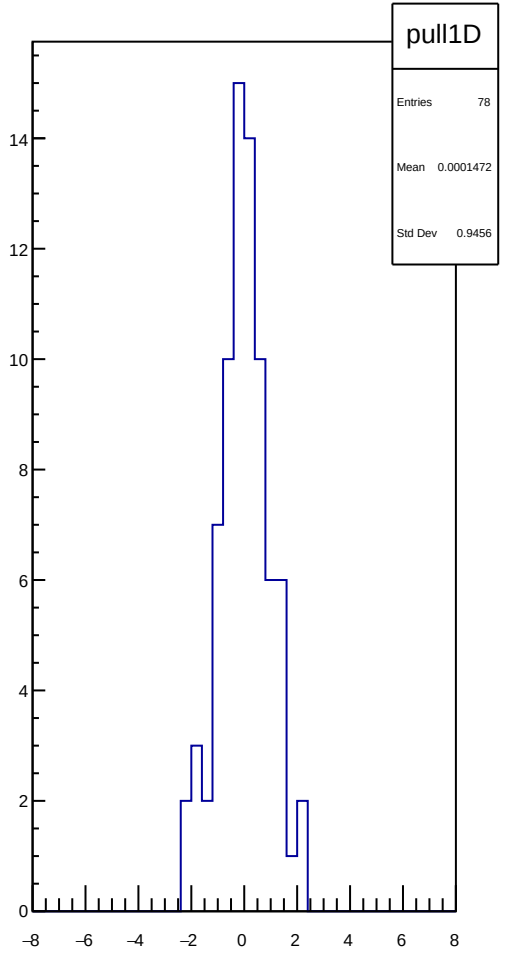

asym_sam1_rms vs run
χ² / ndf 2.614e+04 / 77
p0 527.6 ± 0.425
700
650
600
550
500
450
400

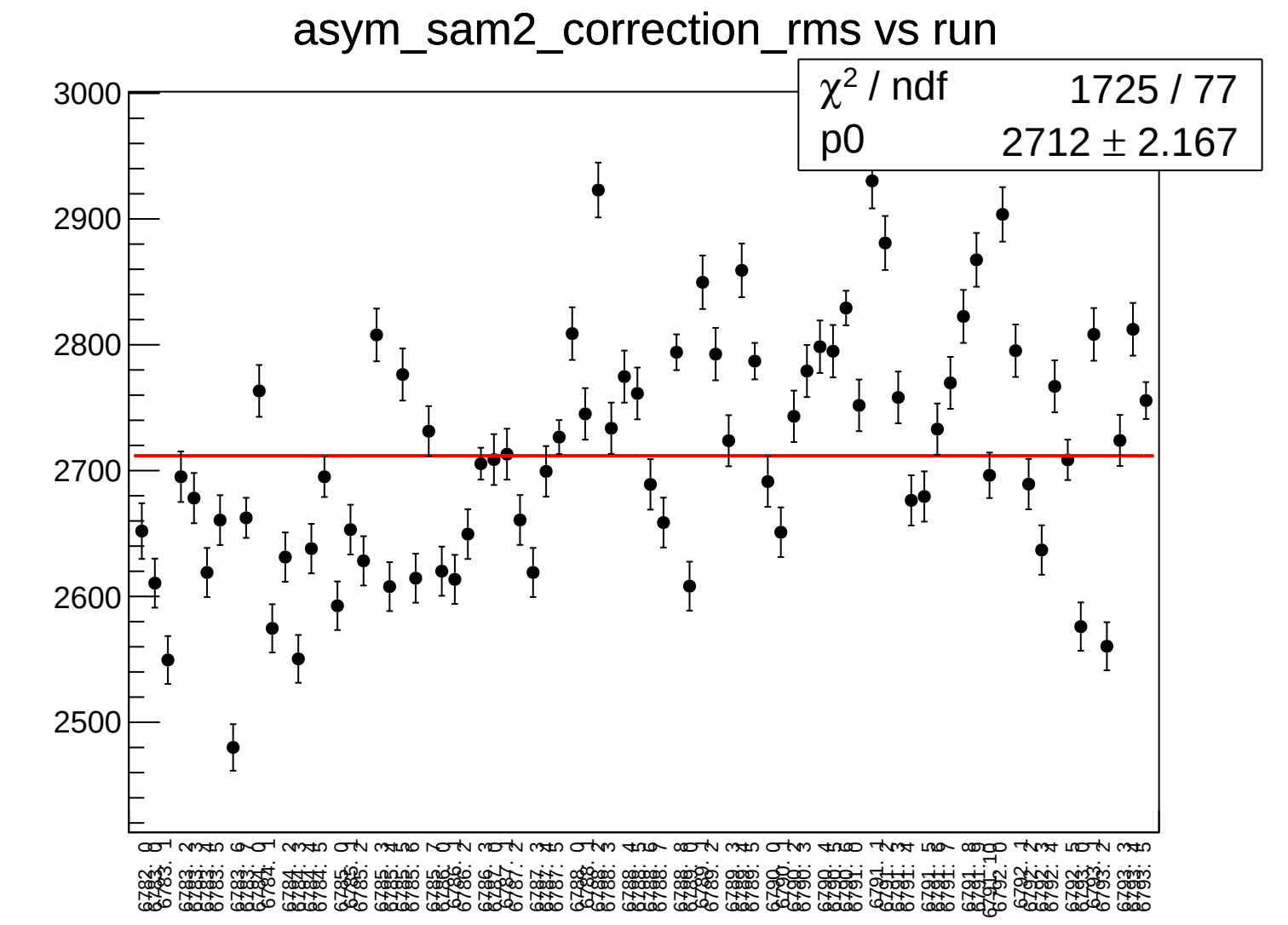

dit_asym_sam2_mean vs run
χ² / ndf 70.21 / 77
p0 372.8 ± 400.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 34.1
Std Dev 50.17
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

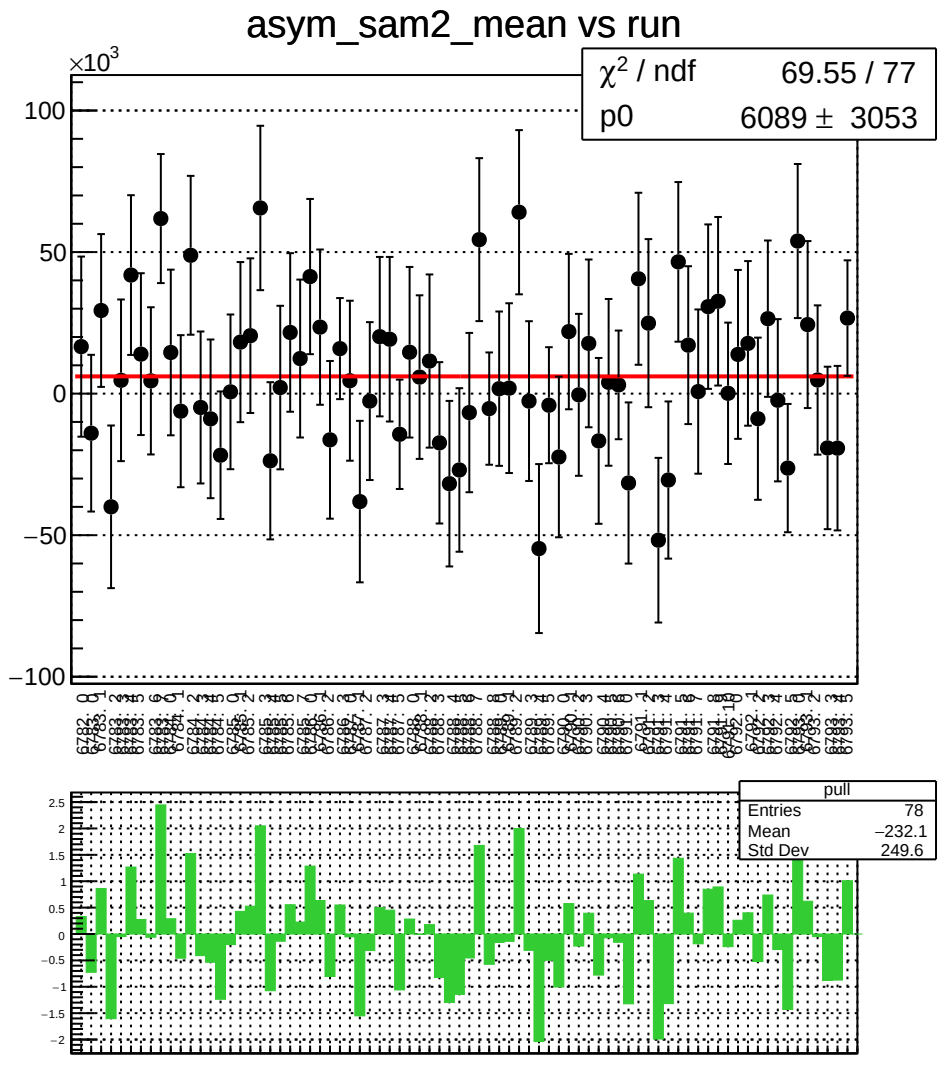

pull1D
Entries 78
Mean 0.03567
Std Dev 0.9481
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

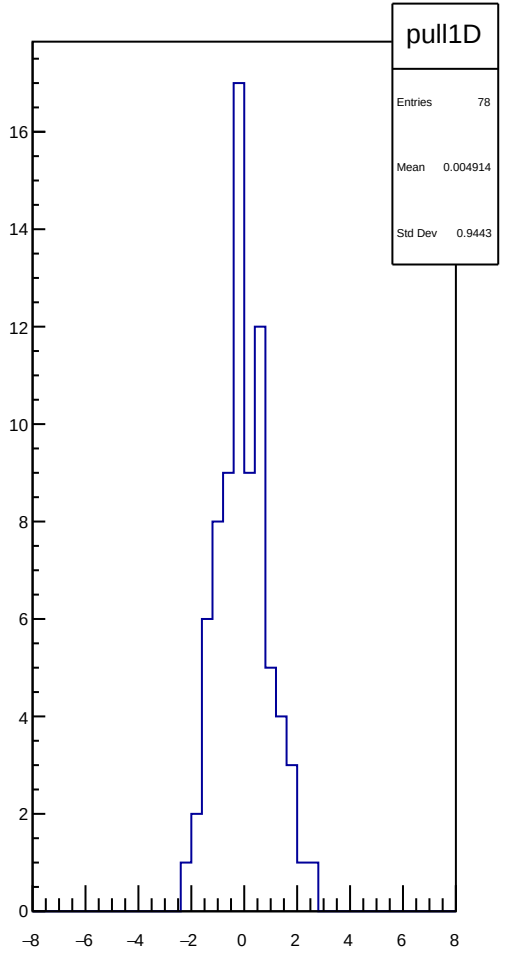

dit_asym_sam2_rms vs run
χ² / ndf 3529 / 77
p0 354.2 ± 0.2833
400
390
380
370
360
350
340
330
320

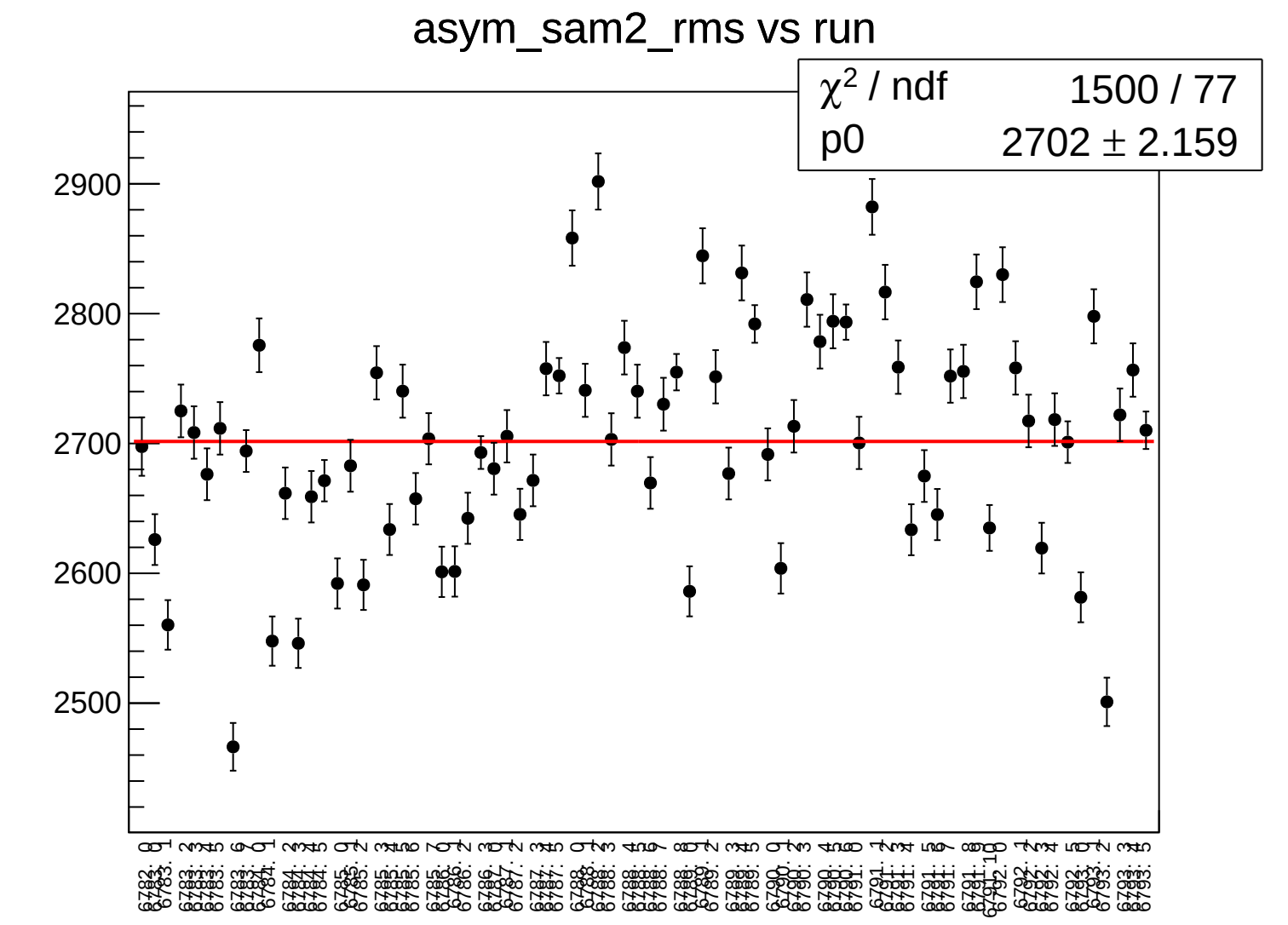

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 69.75 / 77
p0 −5738 ± 3065
pull
Entries 78
Mean 9217
Std Dev 9194

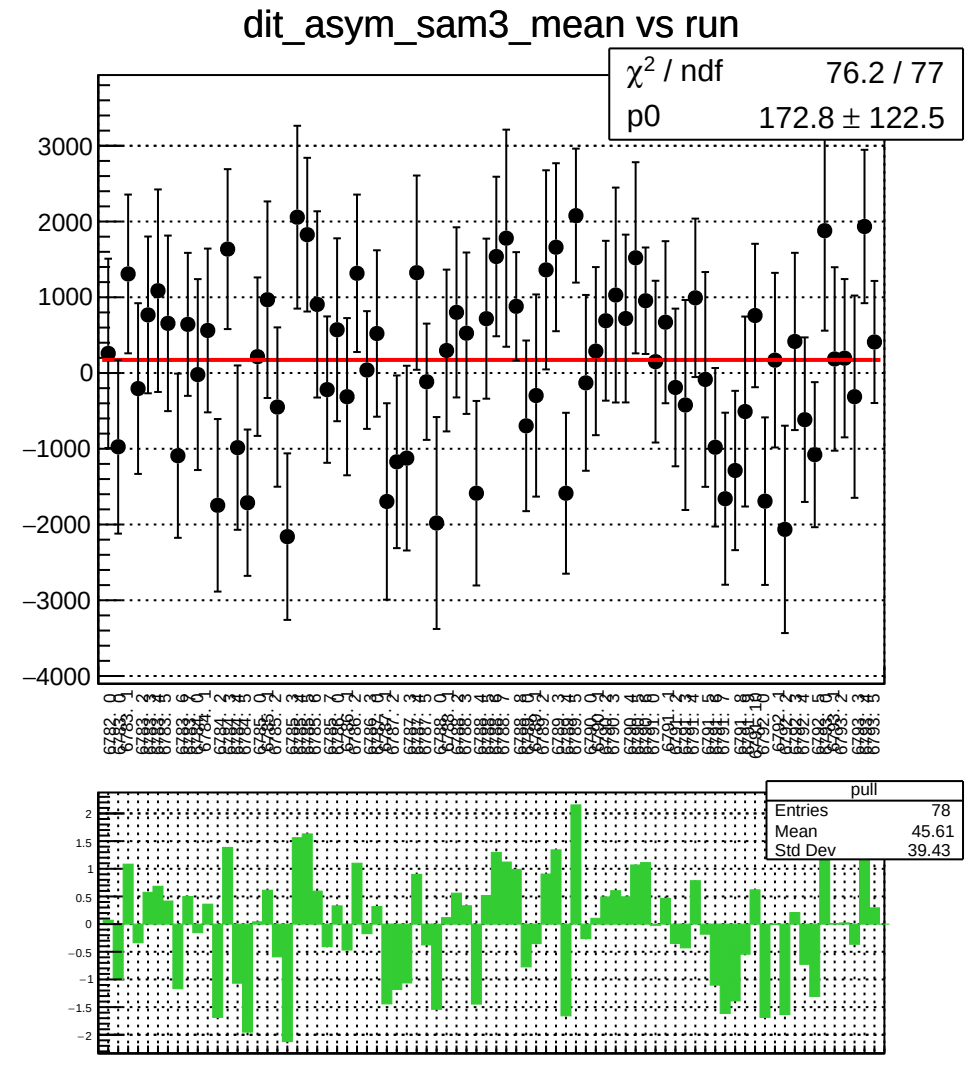

pull1D
Entries 78
Mean 0.0001472
Std Dev 0.9456

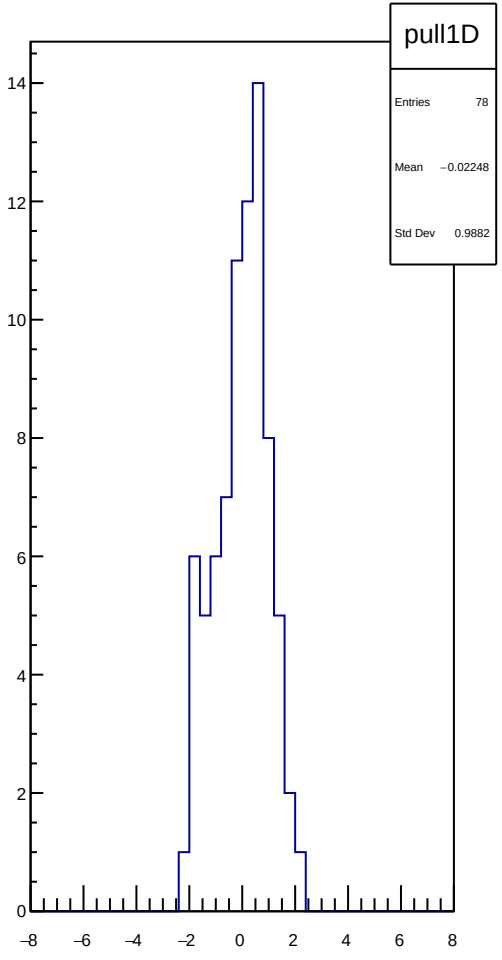

asym_sam2_correction_rms vs run
χ² / ndf 1725 / 77
p0 2712 ± 2.167
3000
2900
2800
2700
2600
2500

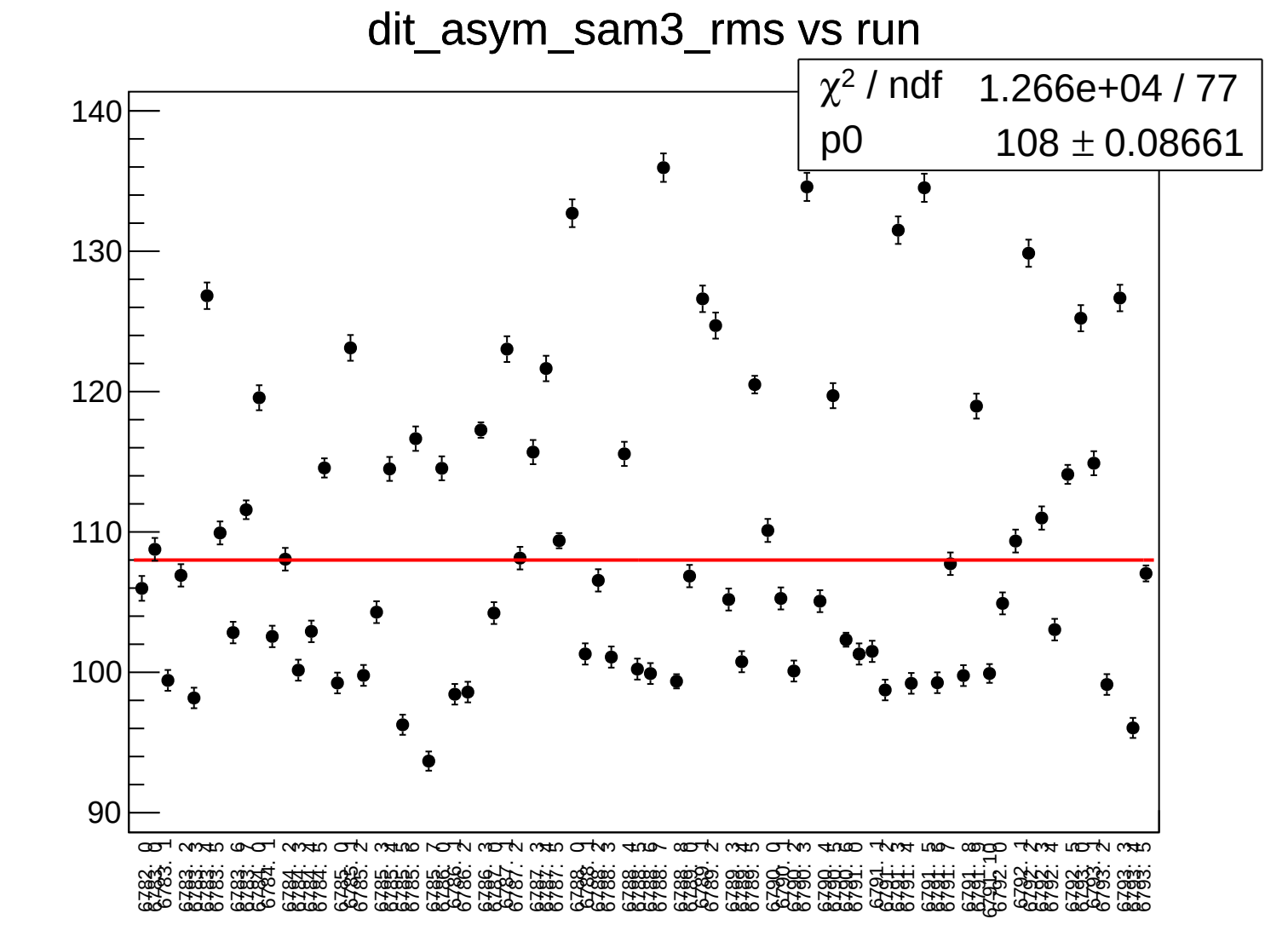

asym_sam2_mean vs run
×10^3
χ^2 / ndf 69.55 / 77
p0 6089 ± 3053
100
50
0
−50
−100
pull
Entries 78
Mean −232.1
Std Dev 249.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

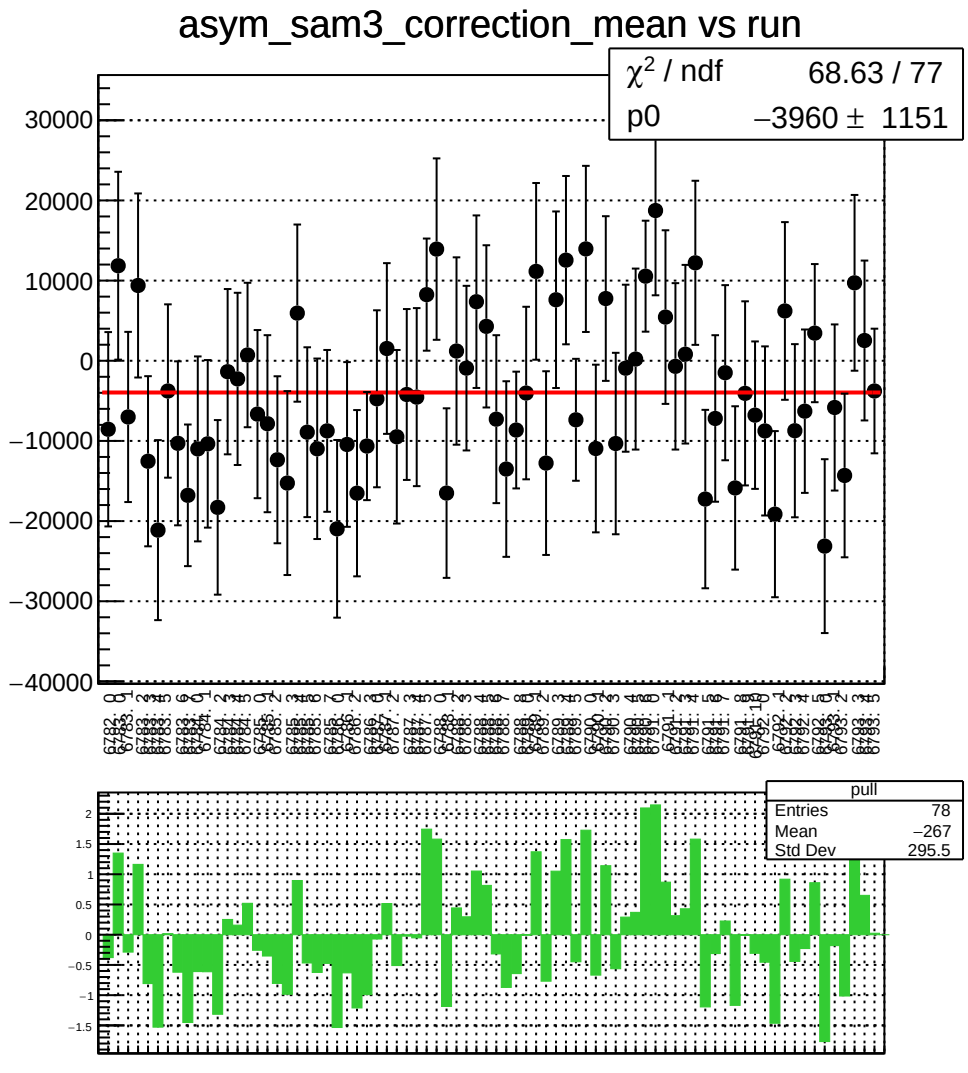

pull1D
Entries 78
Mean 0.004914
Std Dev 0.9443
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

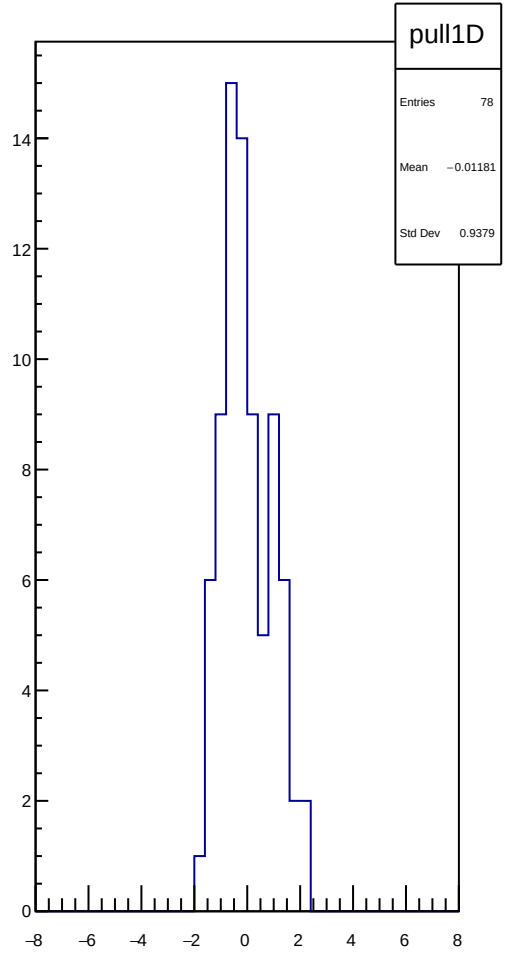

asym_sam2_rms vs run
χ² / ndf 1500 / 77
p0 2702 ± 2.159
2900
2800
2700
2600
2500

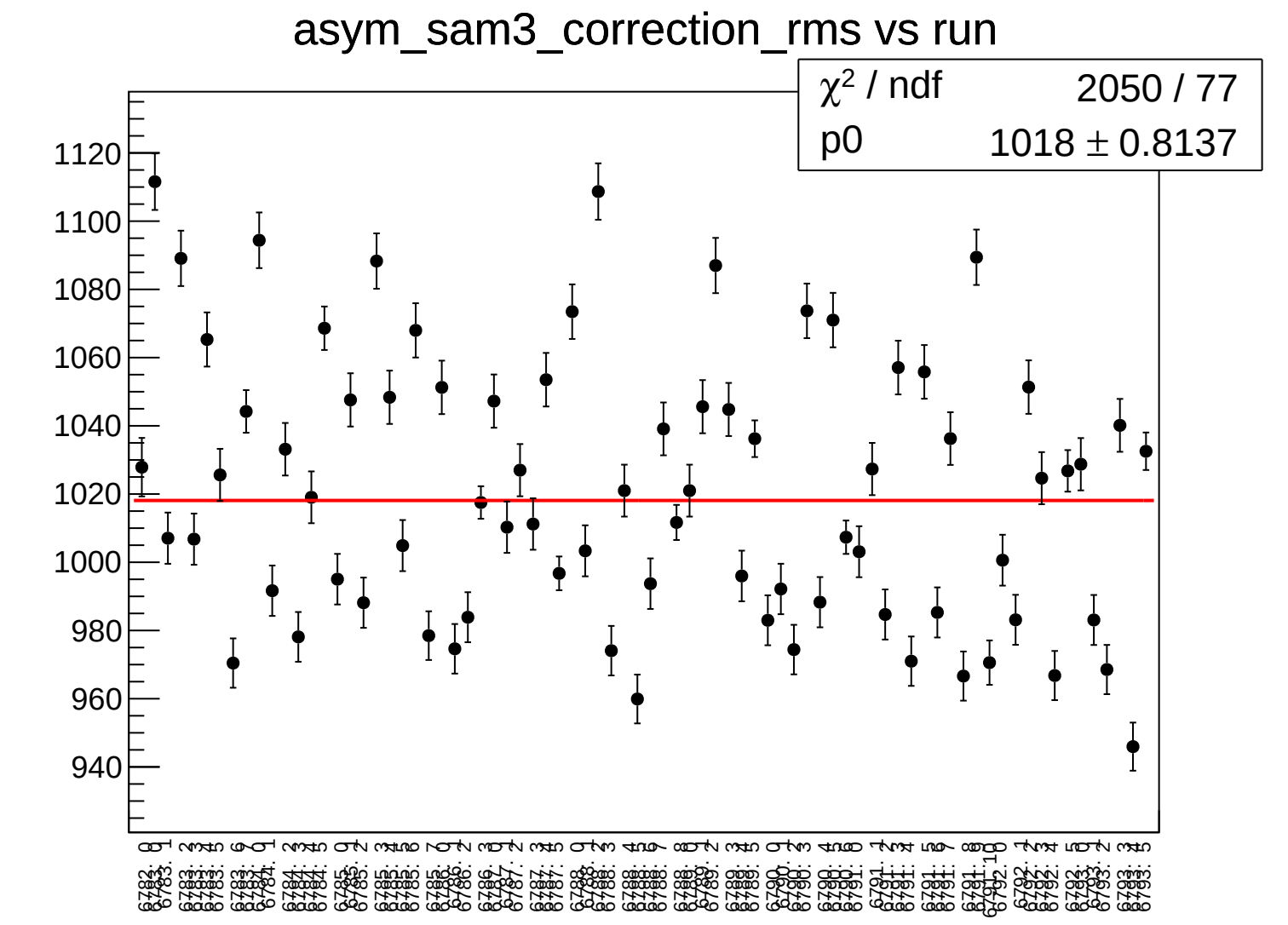

dit_asym_sam3_mean vs run
χ² / ndf 76.2 / 77
p0 172.8 ± 122.5
pull
Entries 78
Mean 45.61
Std Dev 39.43

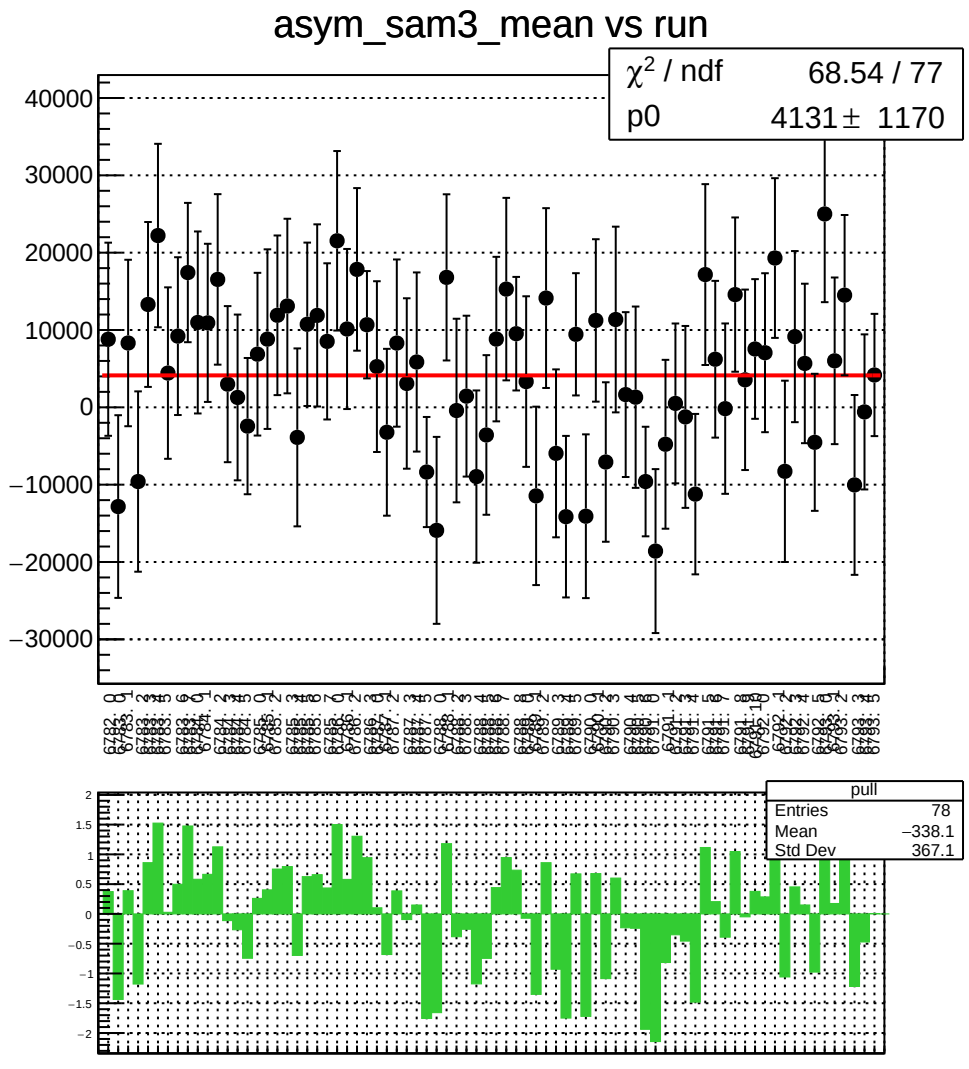

pull1D
Entries 78
Mean −0.02248
Std Dev 0.9882

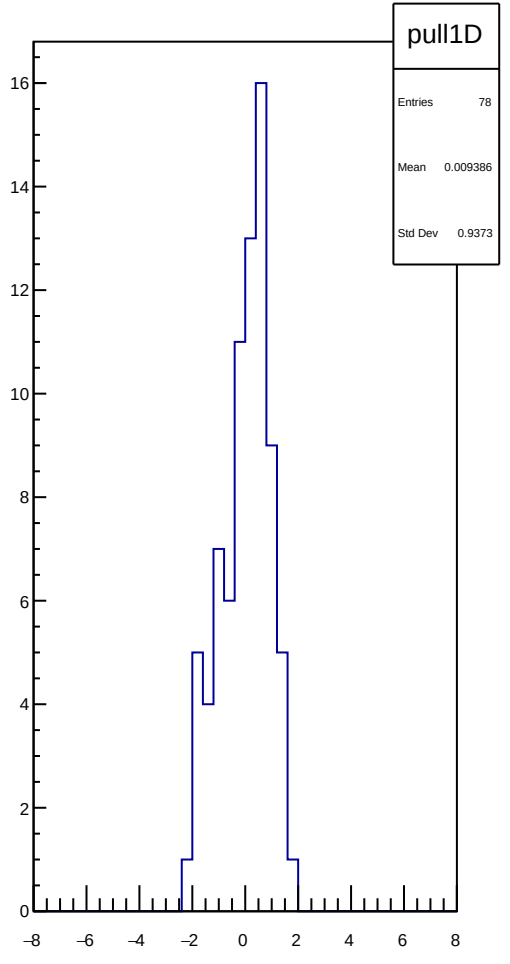

dit_asym_sam3_rms vs run
χ² / ndf 1.266e+04 / 77
p0 108 ± 0.08661
140
130
120
110
100
90

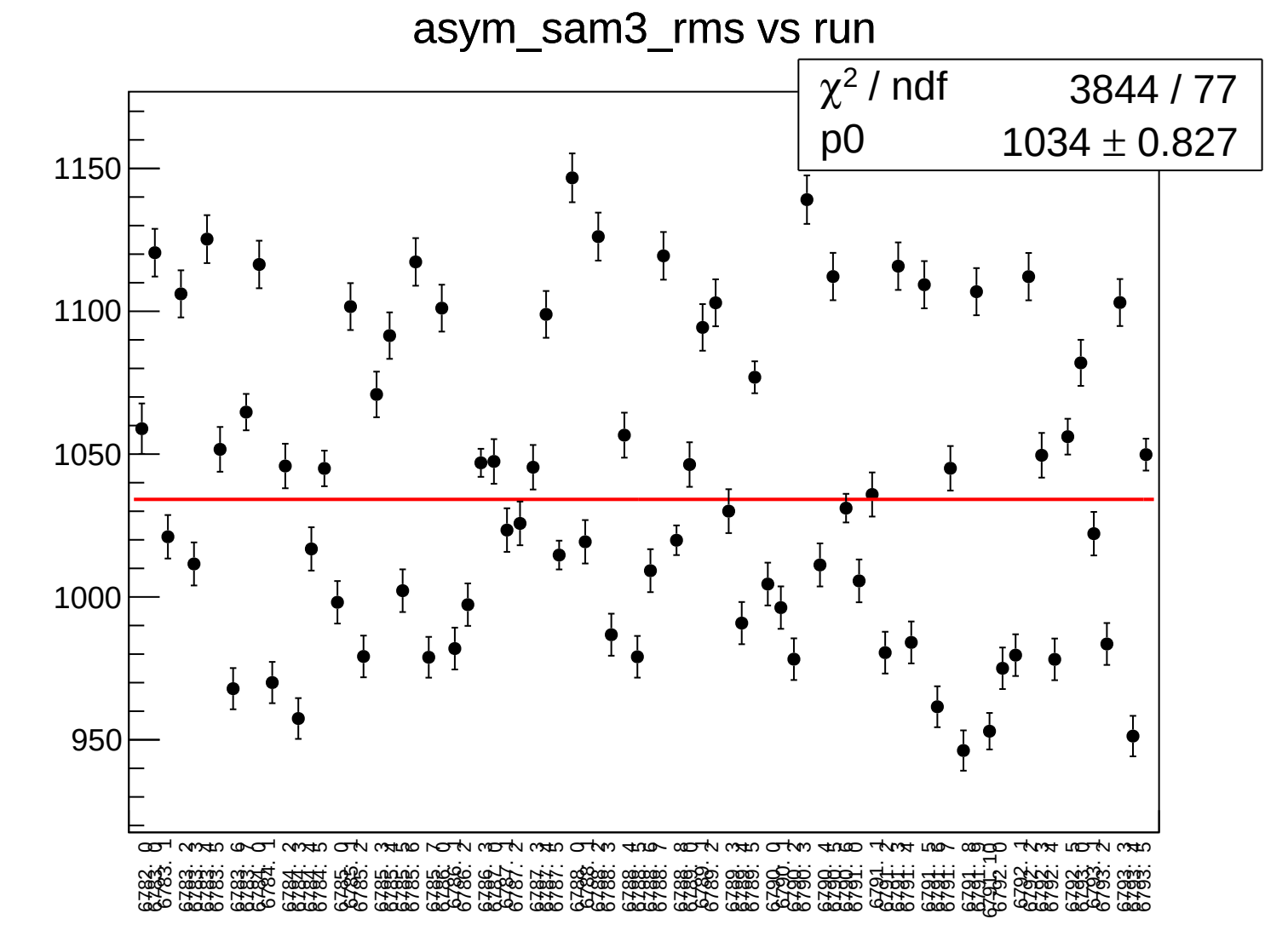

asym_sam3_correction_mean vs run
χ² / ndf 68.63 / 77
p0 −3960 ± 1151
pull
Entries 78
Mean −267
Std Dev 295.5

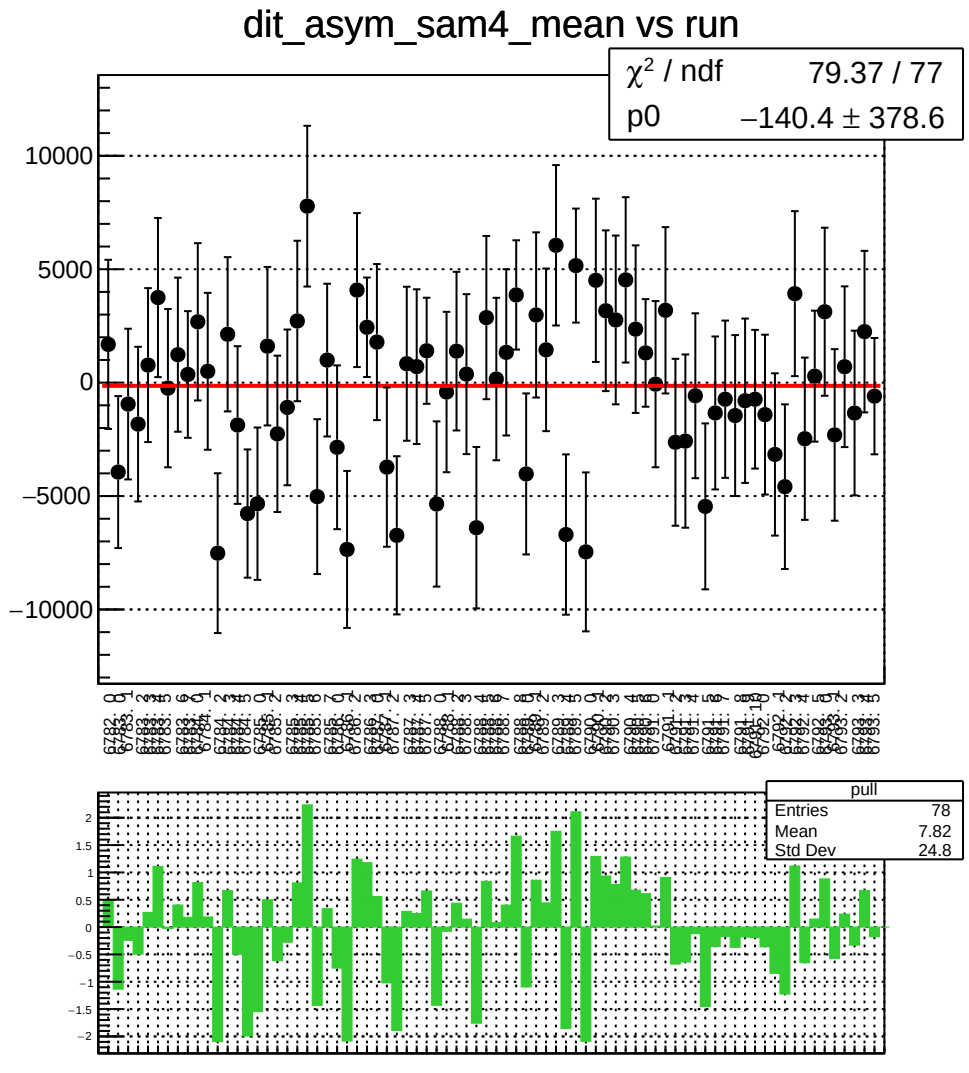

pull1D
Entries 78
Mean −0.01181
Std Dev 0.9379

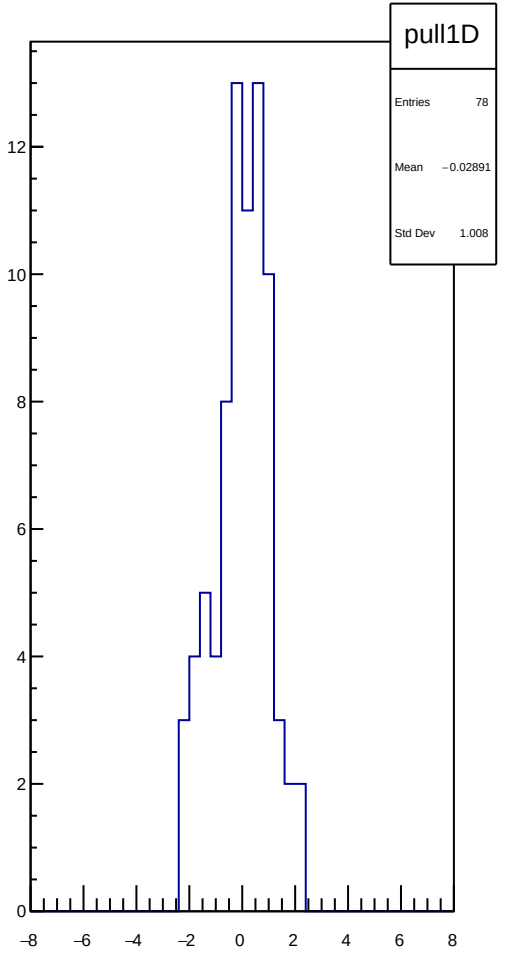

asym_sam3_correction_rms vs run
χ² / ndf 2050 / 77
p0 1018 ± 0.8137
1120
1100
1080
1060
1040
1020
1000
980
960
940

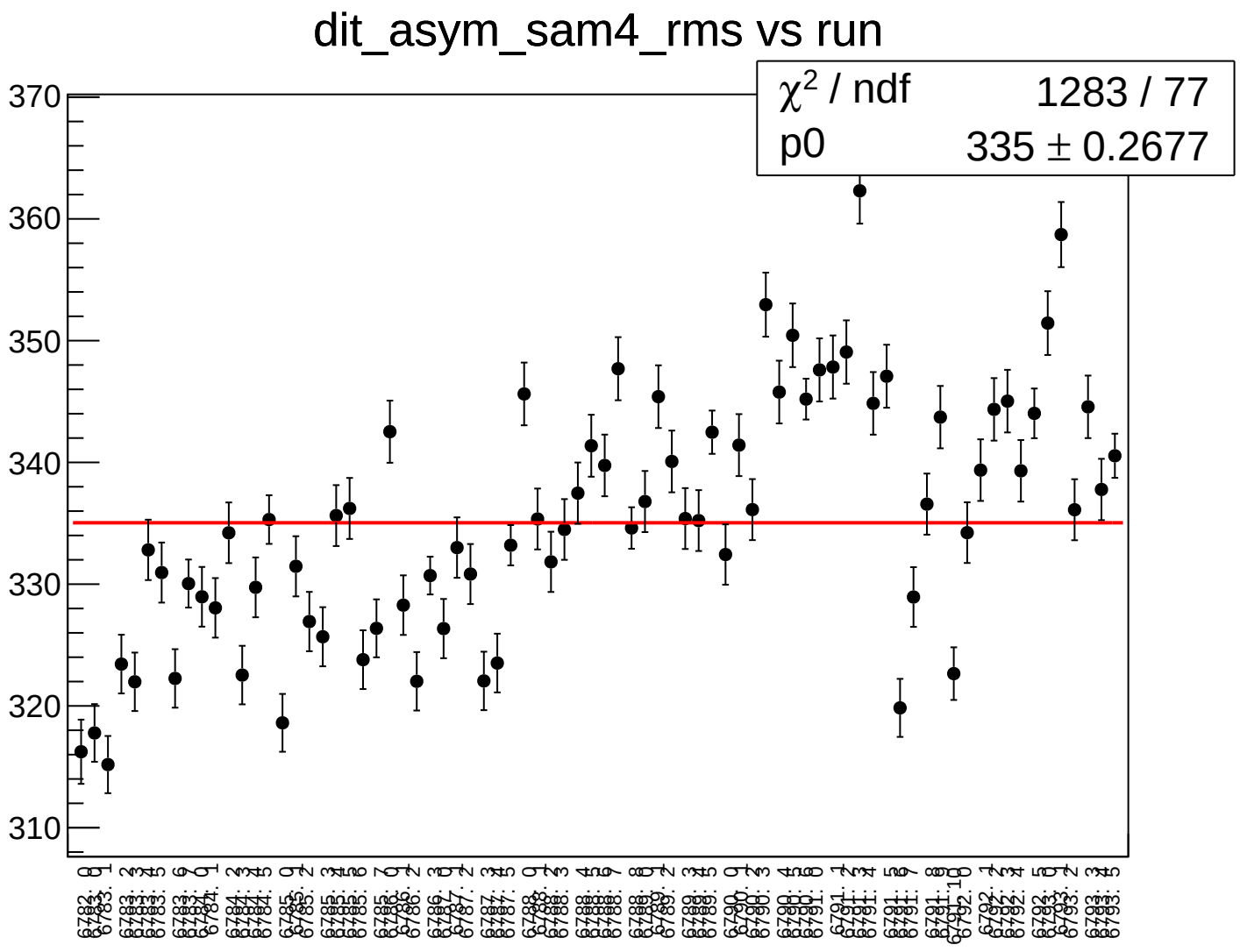

asym_sam3_mean vs run
χ² / ndf 68.54 / 77
p0 4131 ± 1170
pull
Entries 78
Mean −338.1
Std Dev 367.1

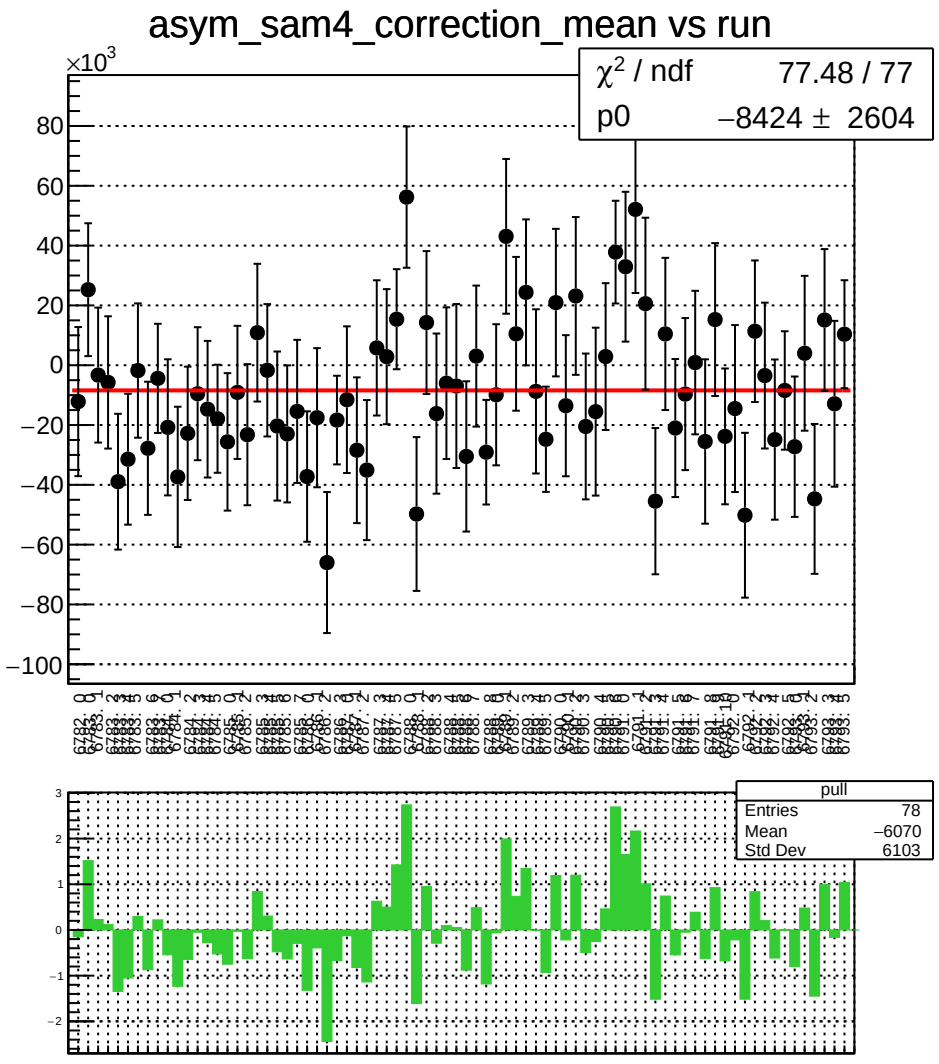

pull1D
Entries 78
Mean 0.009386
Std Dev 0.9373

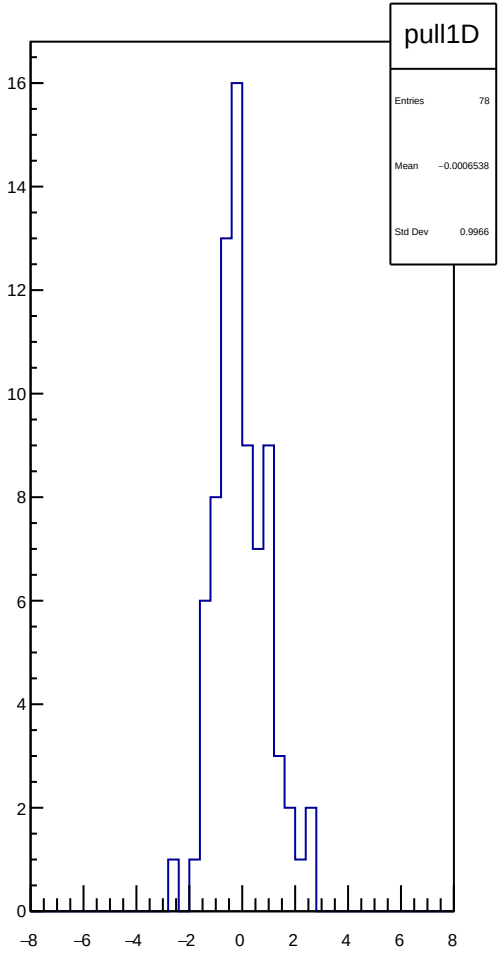

asym_sam3_rms vs run
χ^2 / ndf 3844 / 77
p0 1034 ± 0.827
1150
1100
1050
1000
950

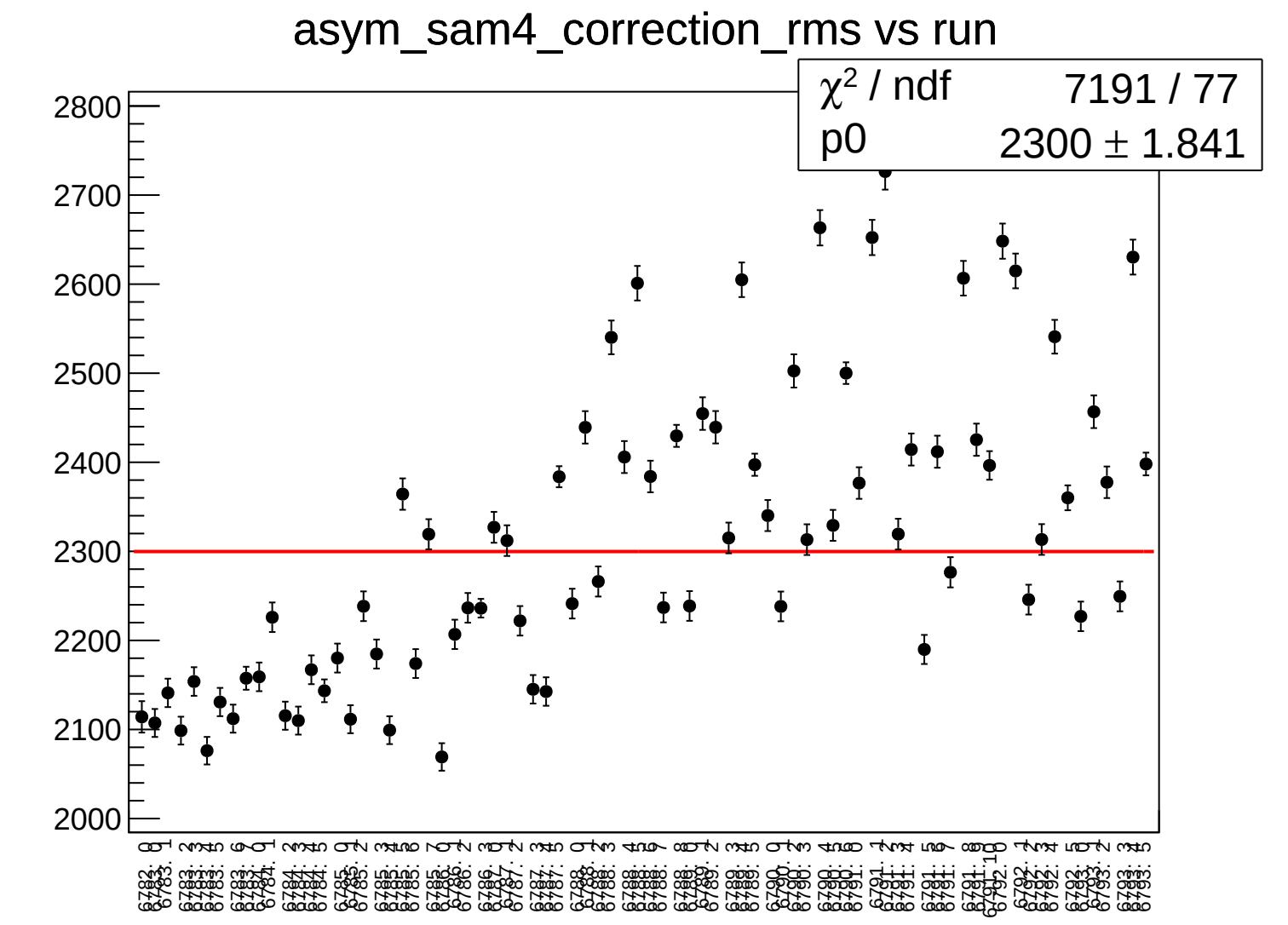

dit_asym_sam4_mean vs run
χ² / ndf 79.37 / 77
p0 −140.4 ± 378.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 7.82
Std Dev 24.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

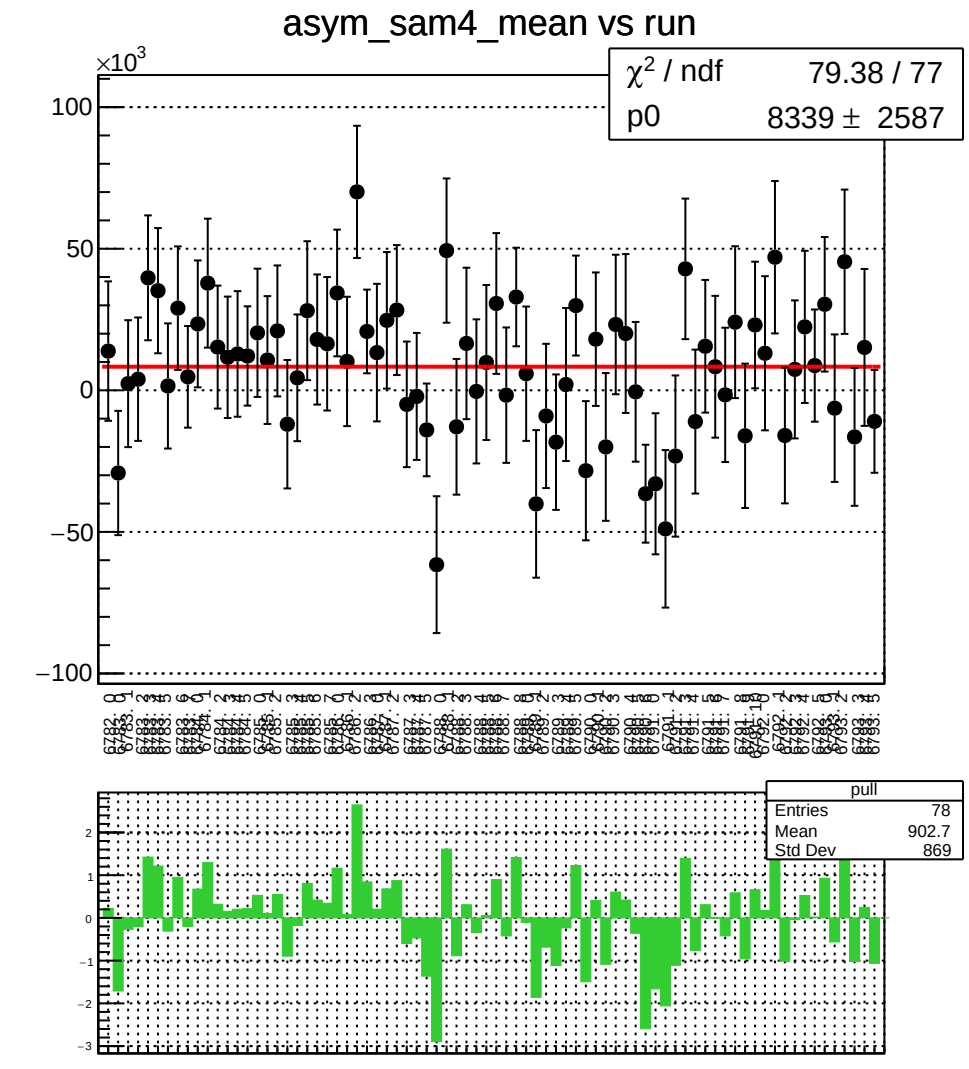

pull1D
Entries 78
Mean −0.02891
Std Dev 1.008
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

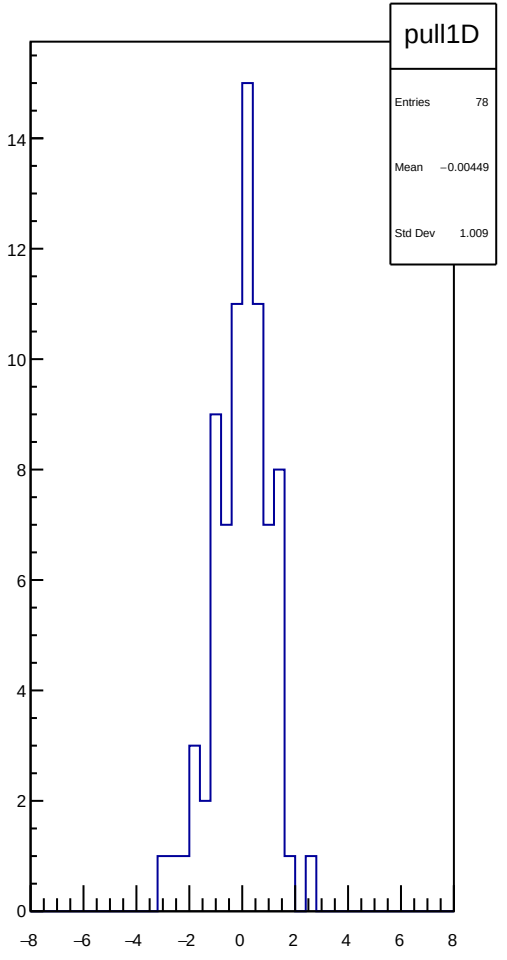

dit_asym_sam4_rms vs run
χ^2 / ndf 1283 / 77
p0 335 ± 0.2677
370
360
350
340
330
320
310

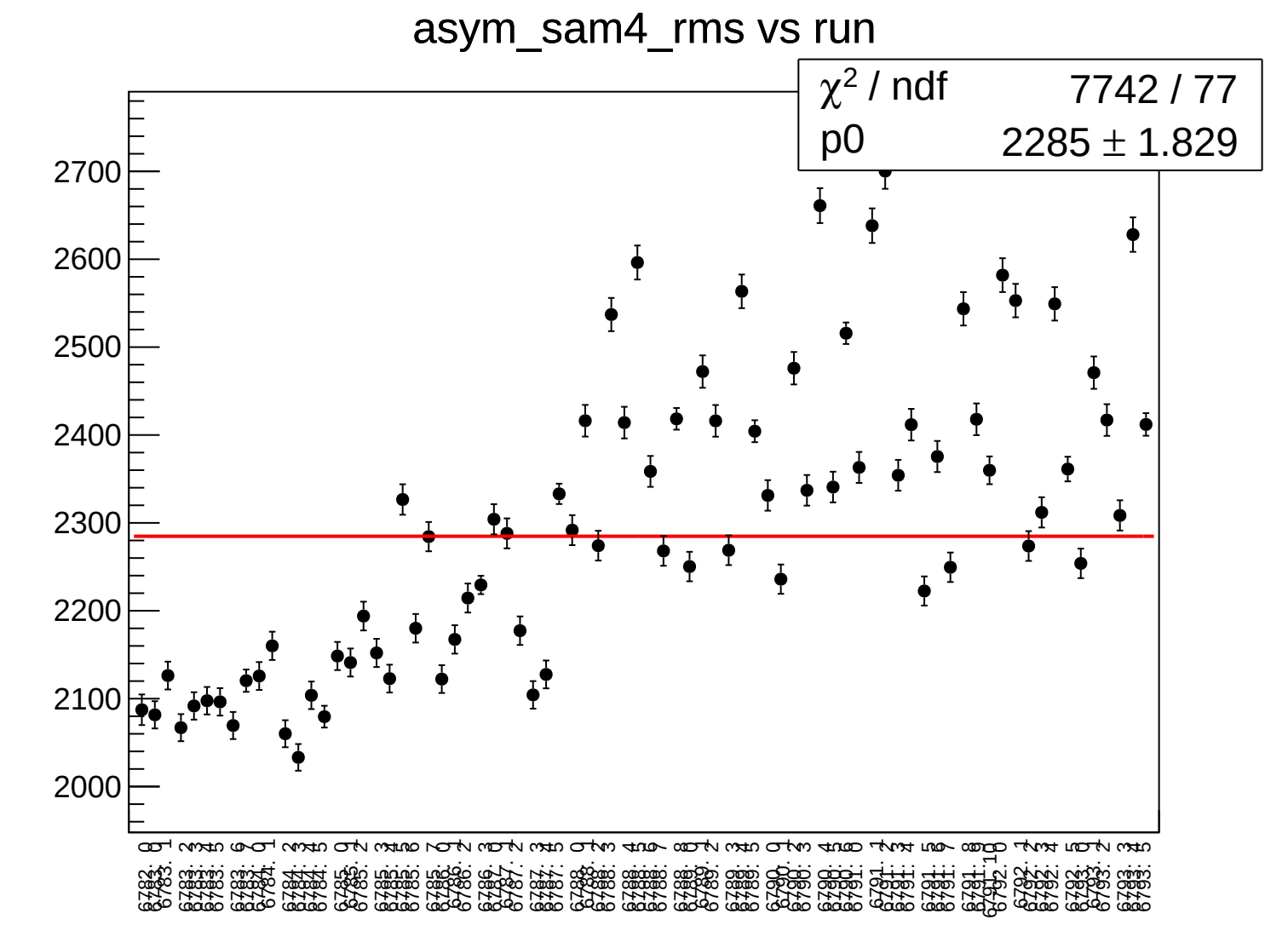

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 77.48 / 77
p0 −8424 ± 2604
pull
Entries 78
Mean −6070
Std Dev 6103

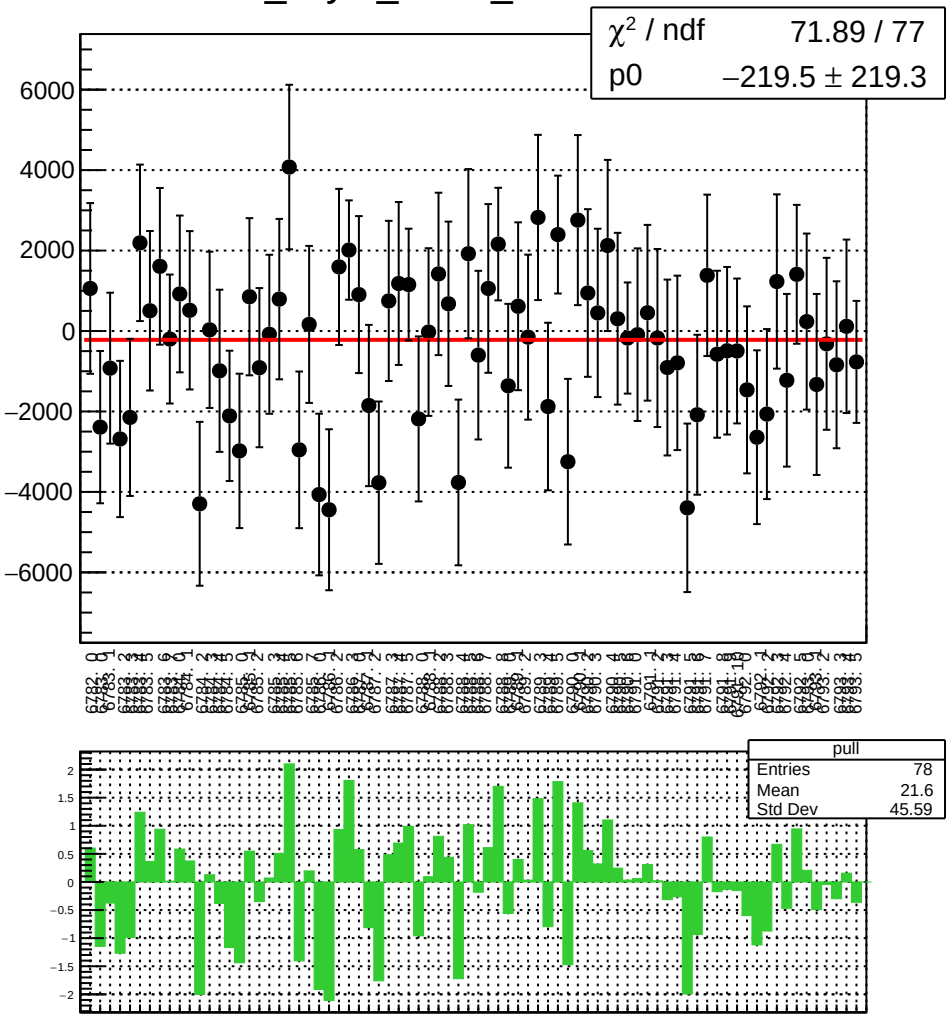

pull1D
Entries 78
Mean −0.0006538
Std Dev 0.9966

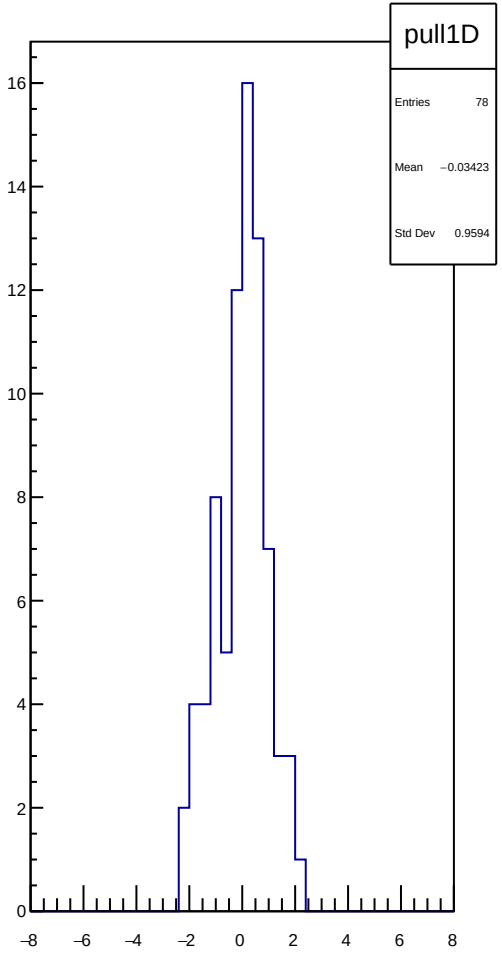

asym_sam4_correction_rms vs run
χ² / ndf 7191 / 77
p0 2300 ± 1.841
2800
2700
2600
2500
2400
2300
2200
2100
2000

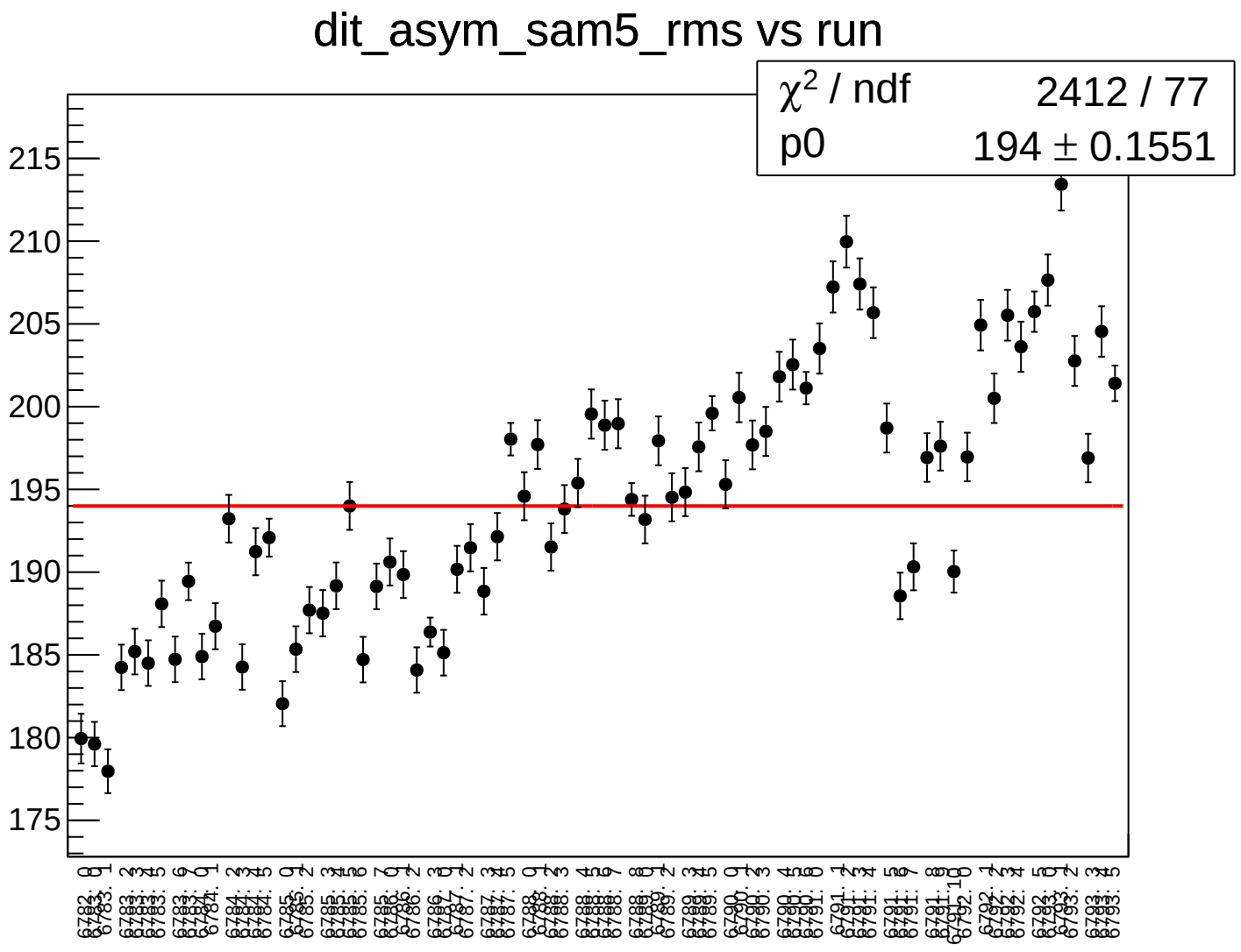

asym_sam4_mean vs run
×10^3
χ² / ndf 79.38 / 77
p0 8339 ± 2587
100
50
0
−50
−100
pull
Entries 78
Mean 902.7
Std Dev 869
2
1
0
−1
−2
−3

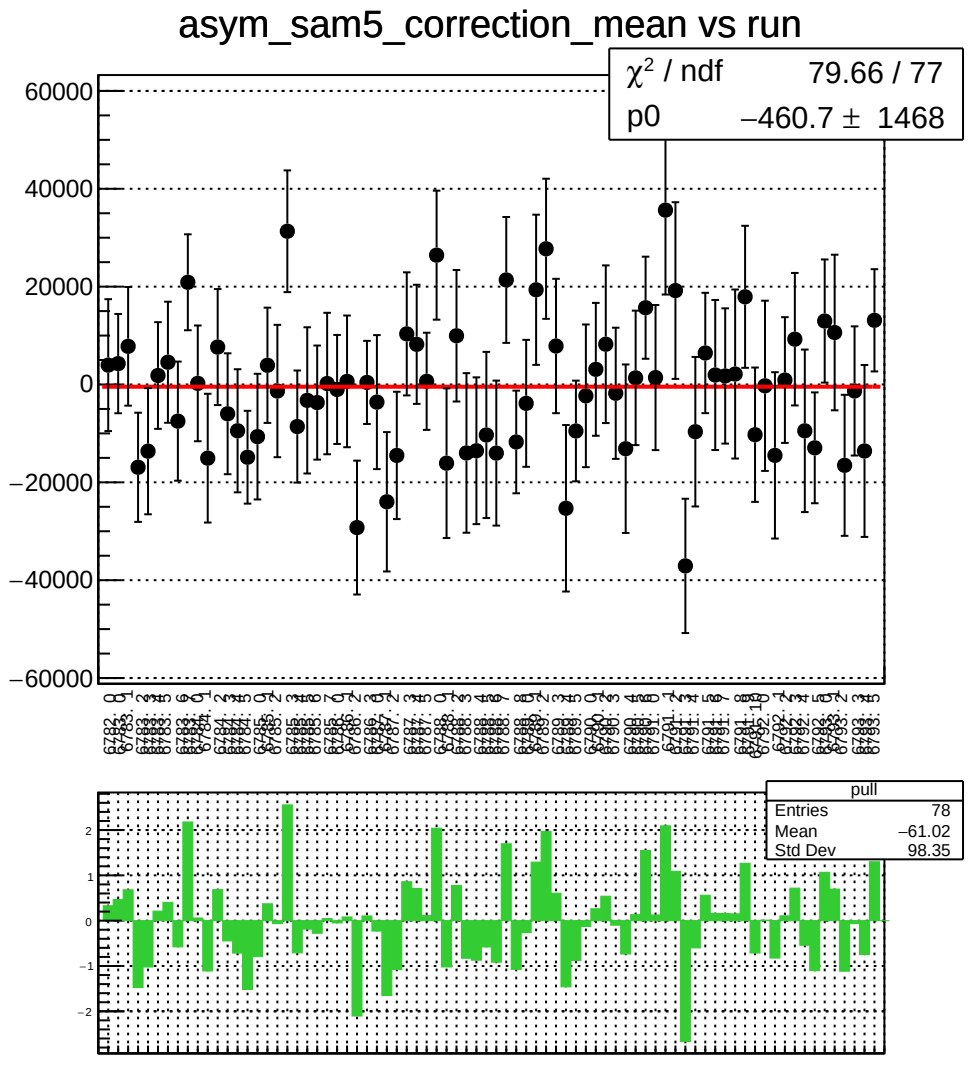

pull1D
Entries 78
Mean −0.00449
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

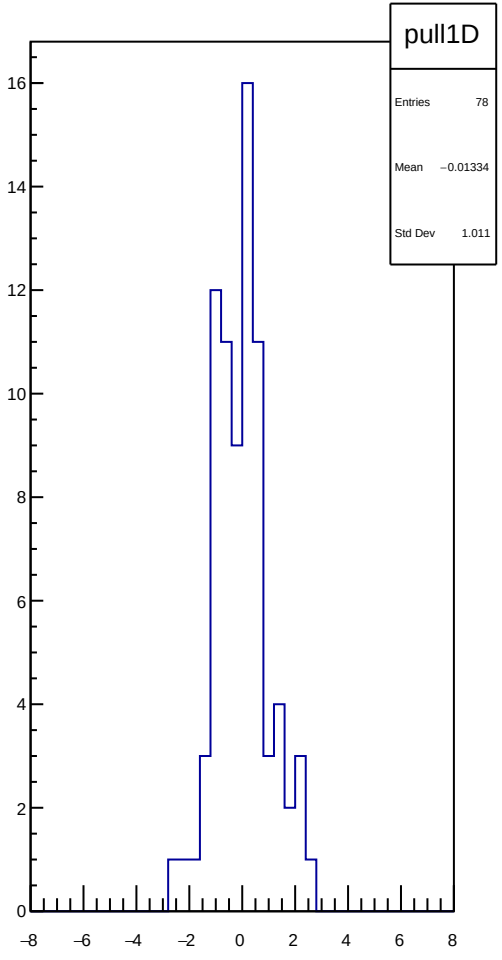

asym_sam4_rms vs run
χ² / ndf 7742 / 77
p0 2285 ± 1.829
2700
2600
2500
2400
2300
2200
2100
2000

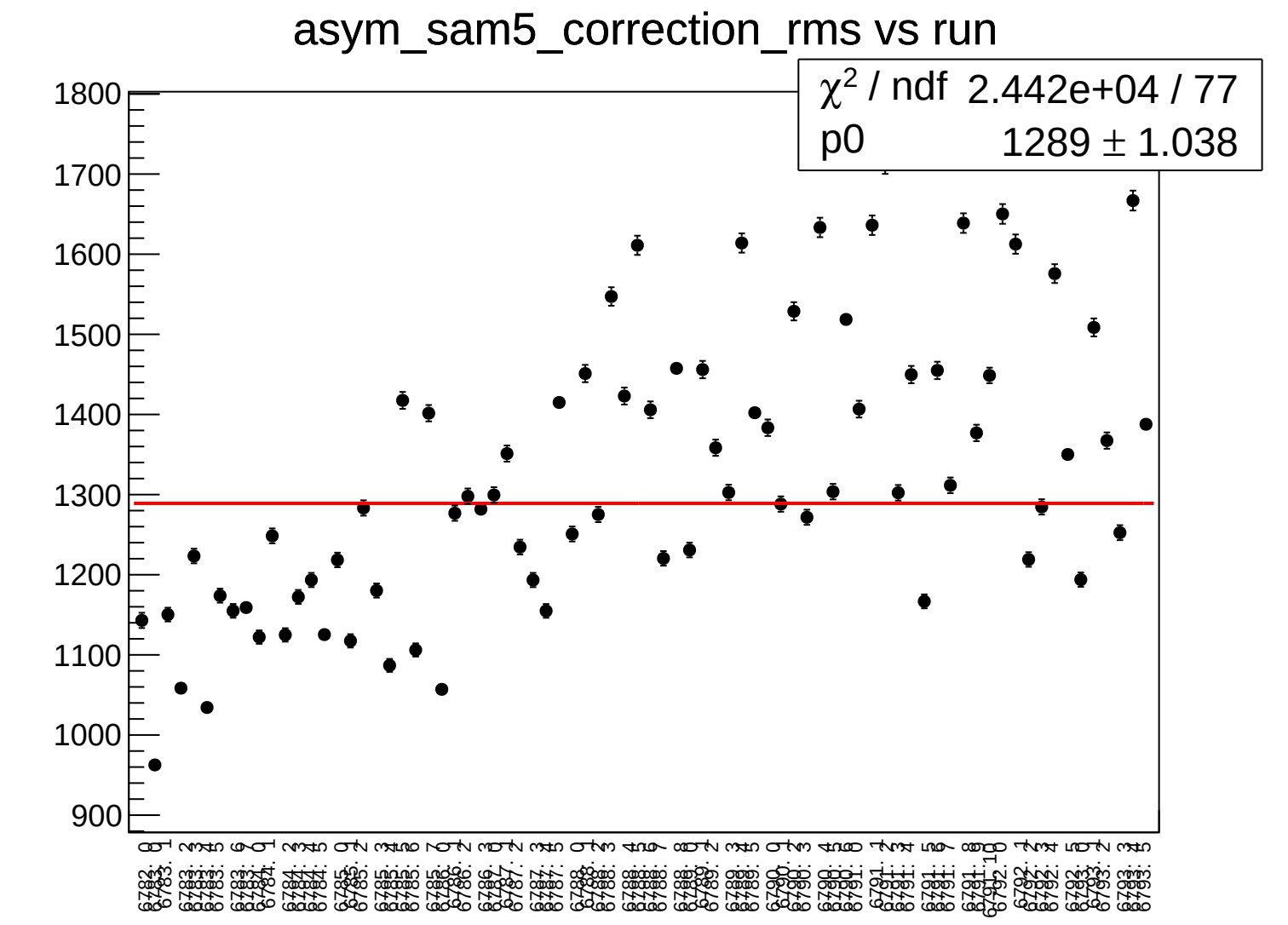

dit_asym_sam5_mean vs run
χ² / ndf 71.89 / 77
p0 −219.5 ± 219.3
pull
Entries 78
Mean 21.6
Std Dev 45.59

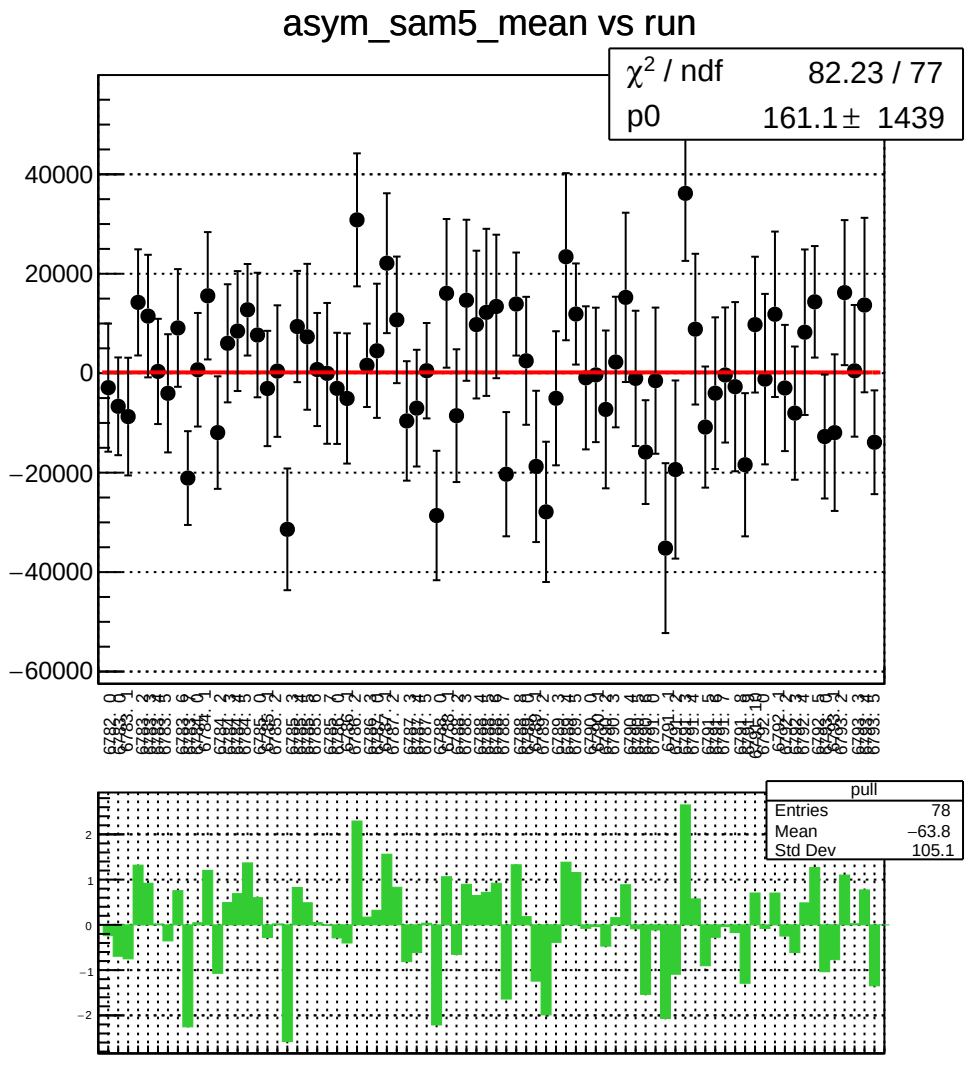

pull1D
Entries 78
Mean −0.03423
Std Dev 0.9594

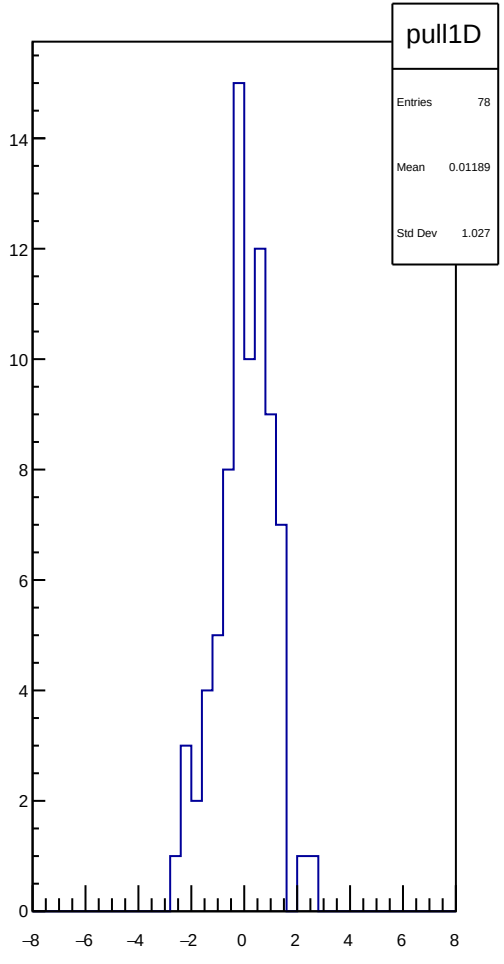

dit_asym_sam5_rms vs run
χ^2 / ndf 2412 / 77
p0 194 ± 0.1551
215
210
205
200
195
190
185
180
175

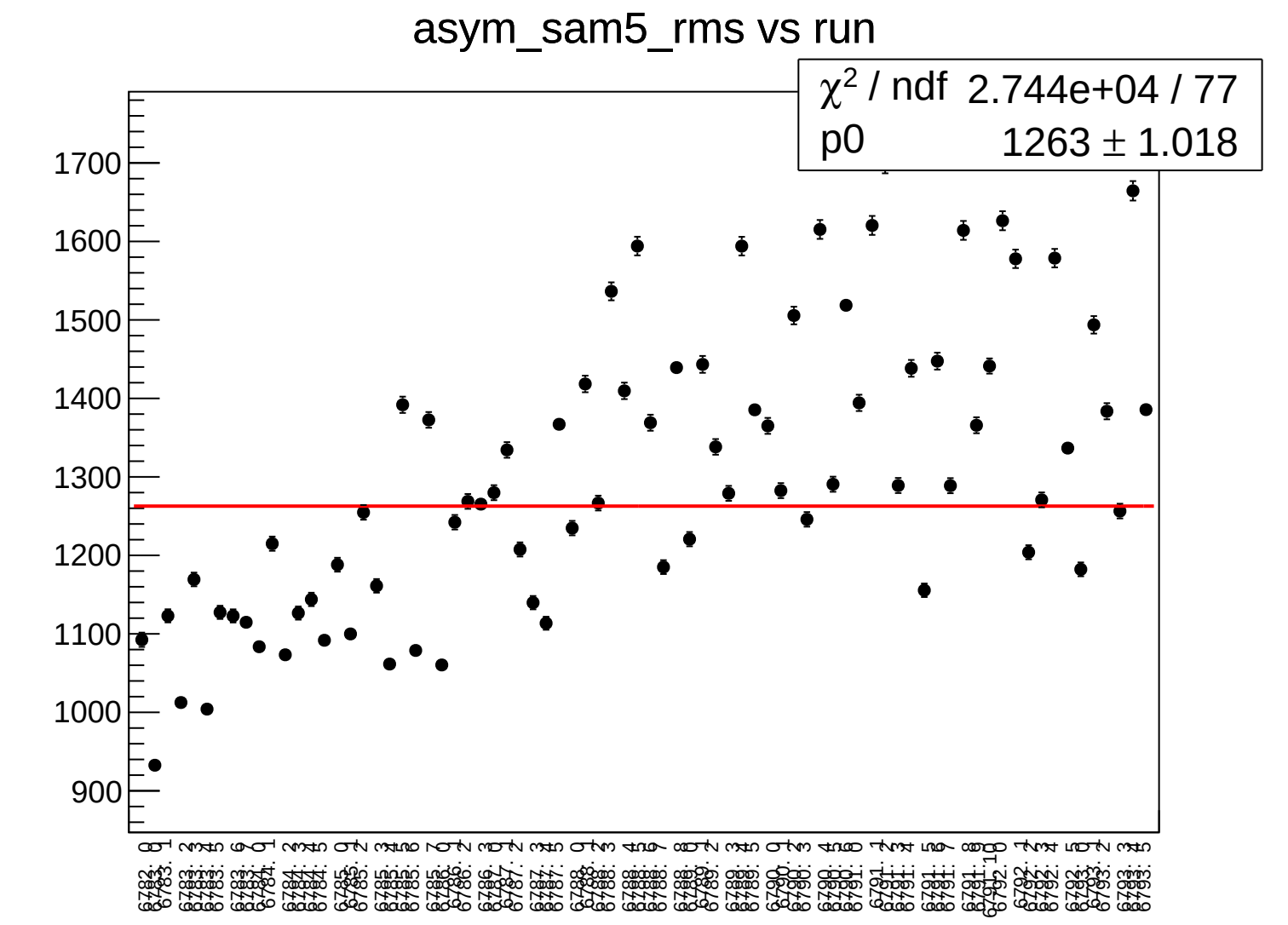

asym_sam5_correction_mean vs run
χ² / ndf 79.66 / 77
p0 −460.7 ± 1468
pull
Entries 78
Mean −61.02
Std Dev 98.35

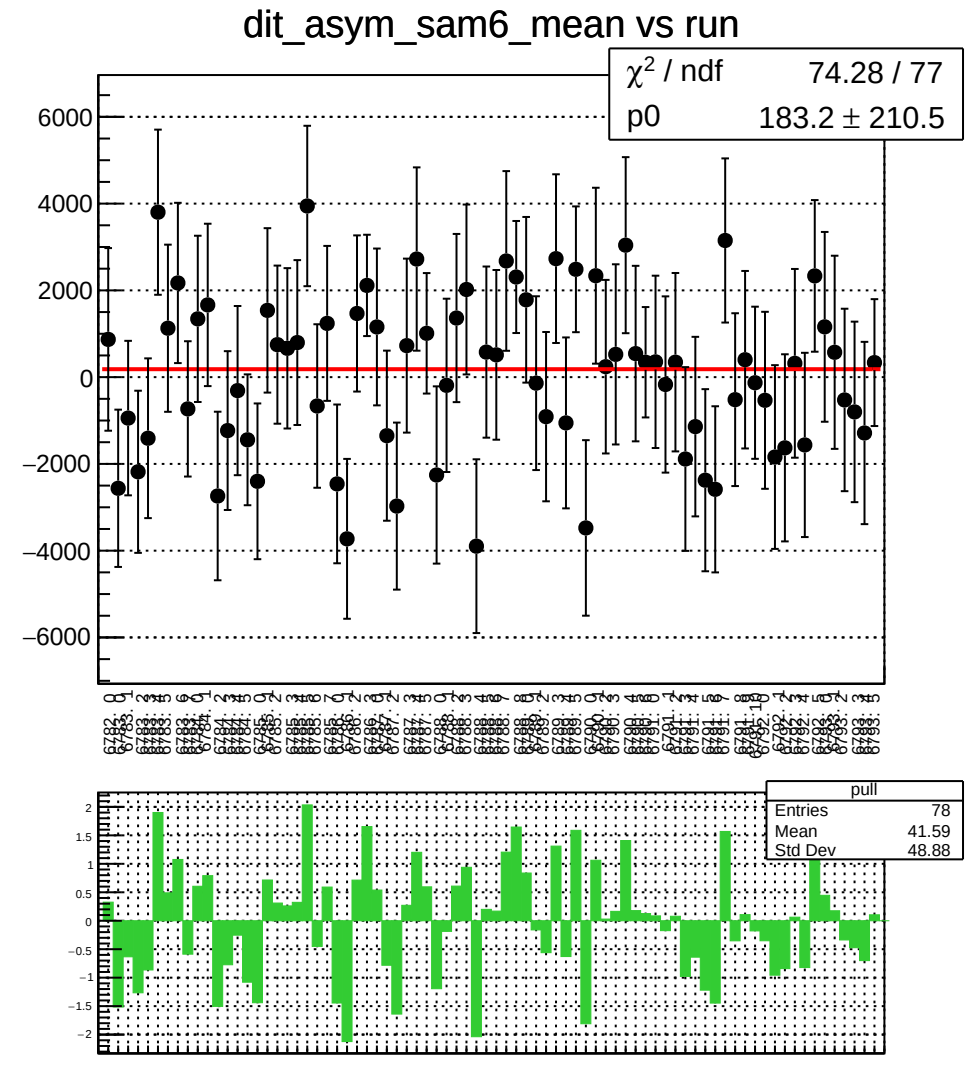

pull1D
Entries 78
Mean −0.01334
Std Dev 1.011

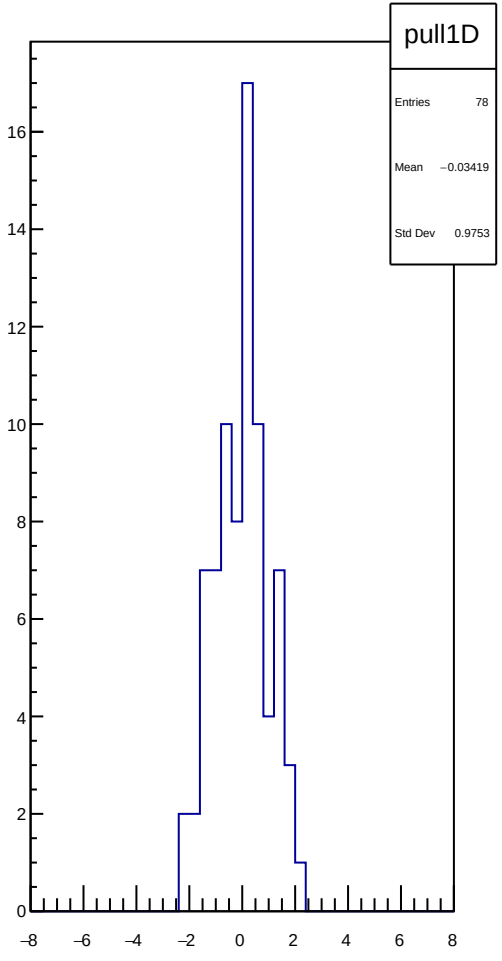

asym_sam5_correction_rms vs run
χ^2 / ndf 2.442e+04 / 77
p0 1289 ± 1.038
1800
1700
1600
1500
1400
1300
1200
1100
1000
900

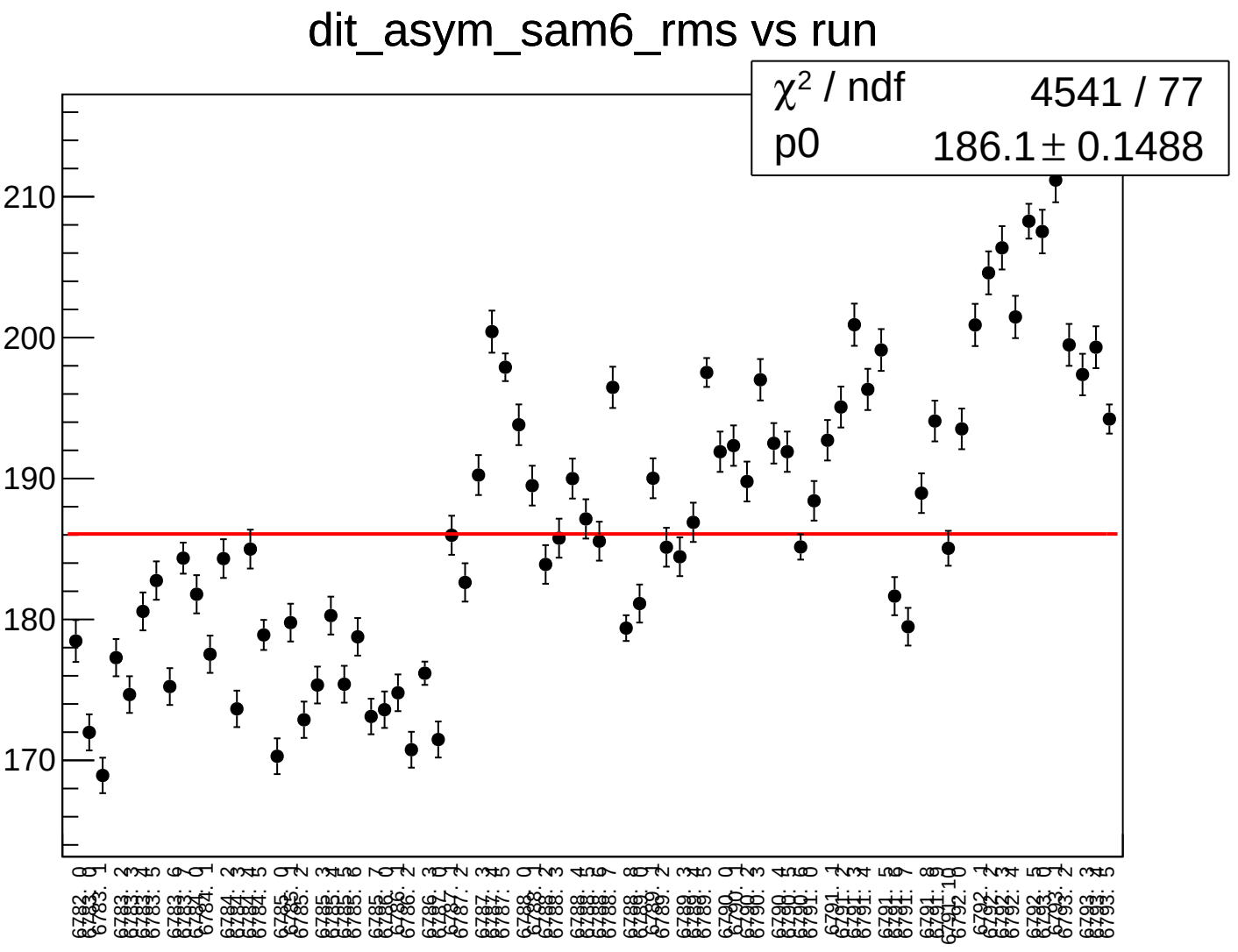

asym_sam5_mean vs run
χ² / ndf 82.23 / 77
p0 161.1 ± 1439
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −63.8
Std Dev 105.1
2
1
0
−1
−2

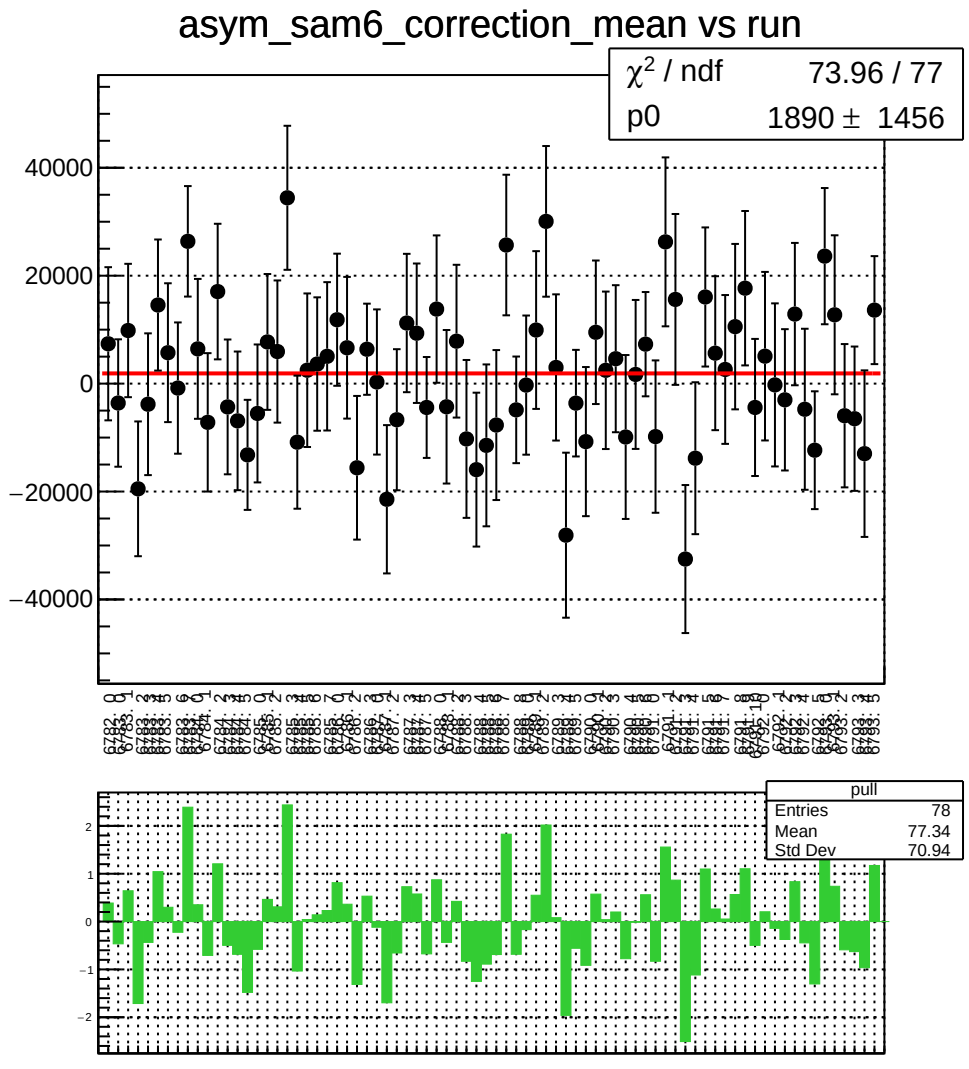

pull1D
Entries 78
Mean 0.01189
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

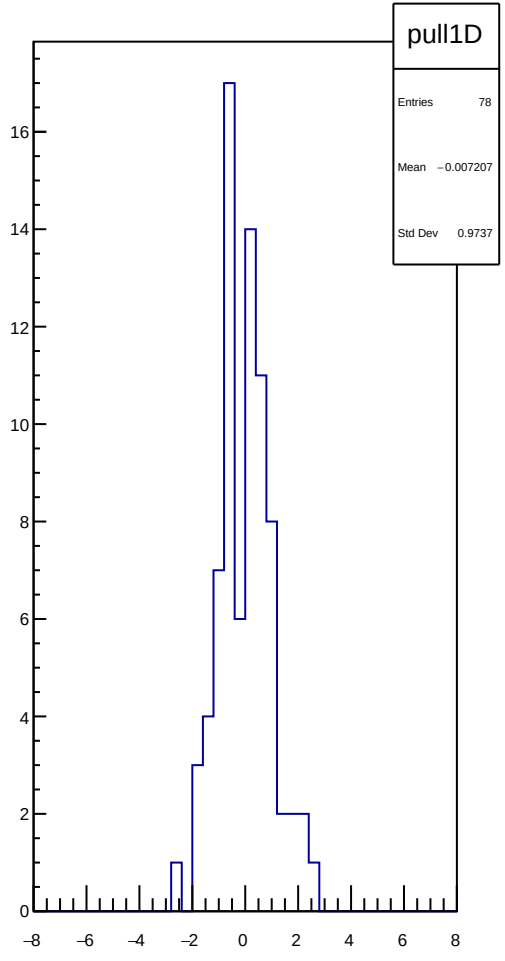

asym_sam5_rms vs run
χ² / ndf 2.744e+04 / 77
p0 1263 ± 1.018
1700
1600
1500
1400
1300
1200
1100
1000
900

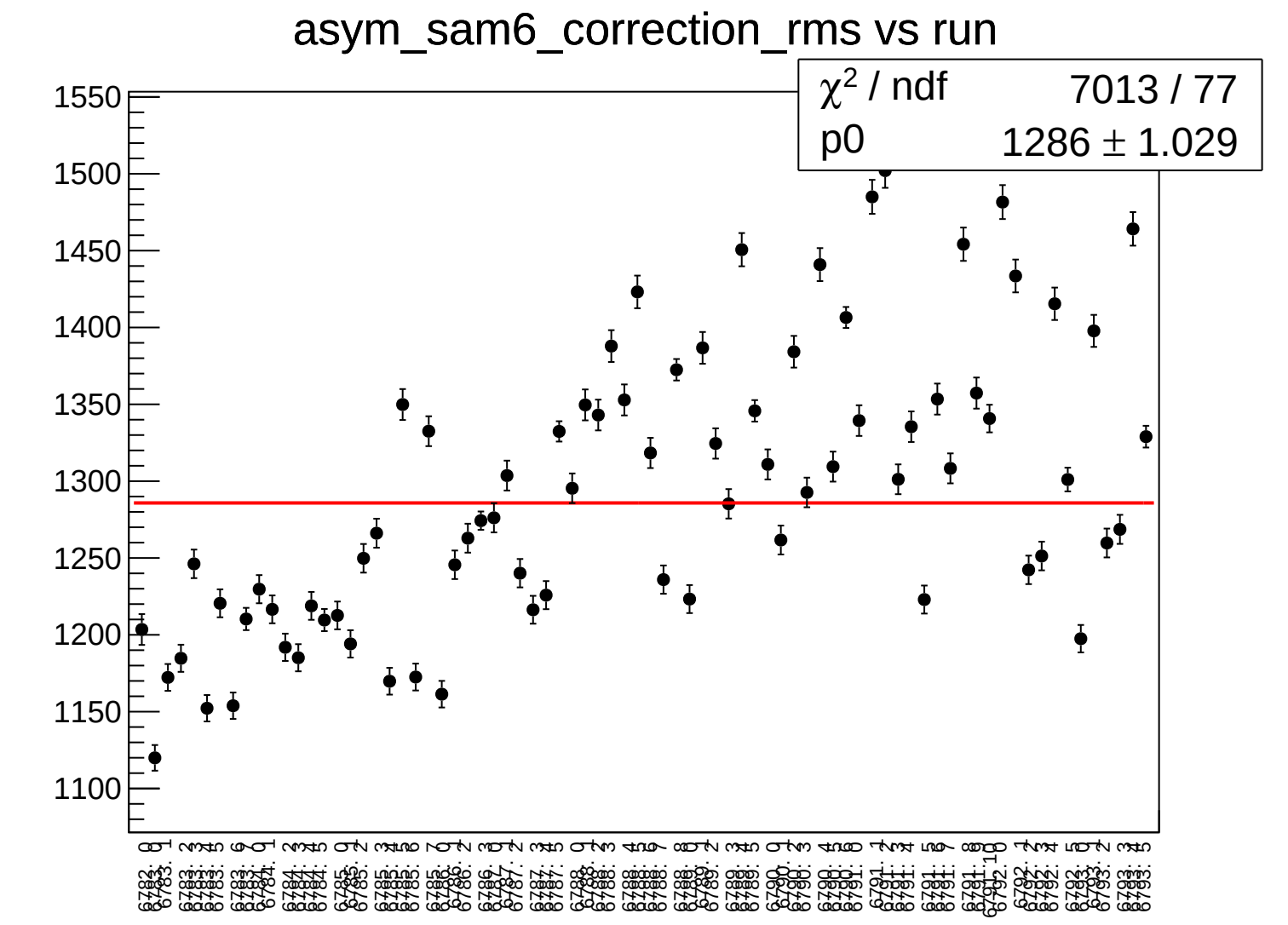

dit_asym_sam6_mean vs run
χ^2 / ndf 74.28 / 77
p0 183.2 ± 210.5
pull
Entries 78
Mean 41.59
Std Dev 48.88

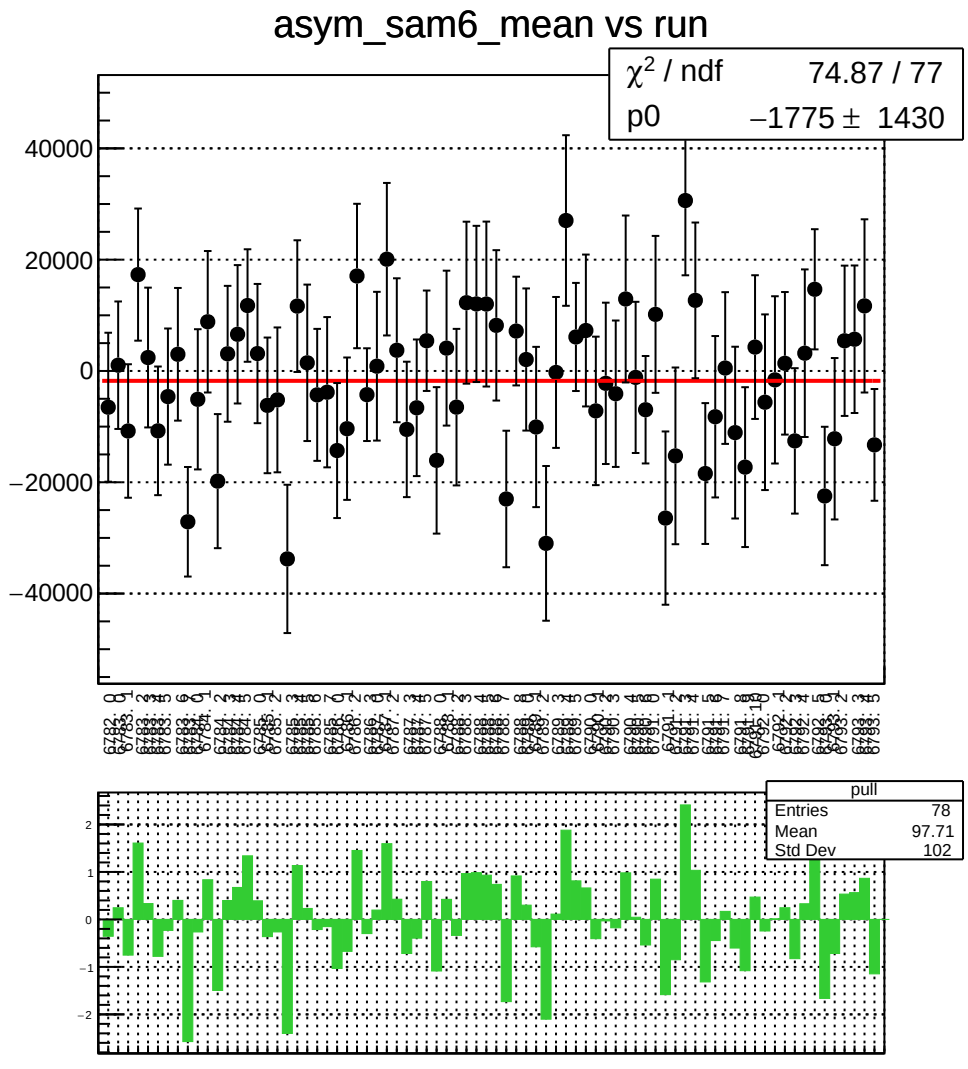

pull1D
Entries 78
Mean −0.03419
Std Dev 0.9753

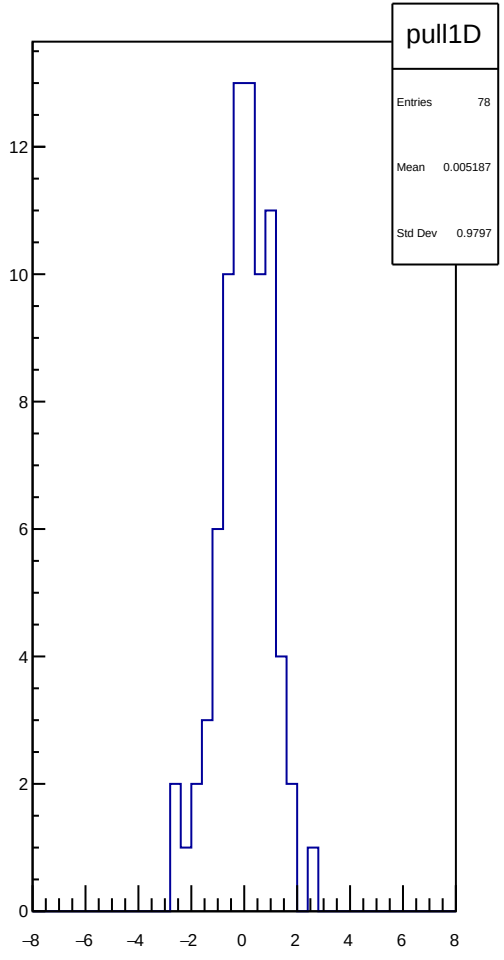

dit_asym_sam6_rms vs run
χ² / ndf 4541 / 77
p0 186.1 ± 0.1488
210
200
190
180
170

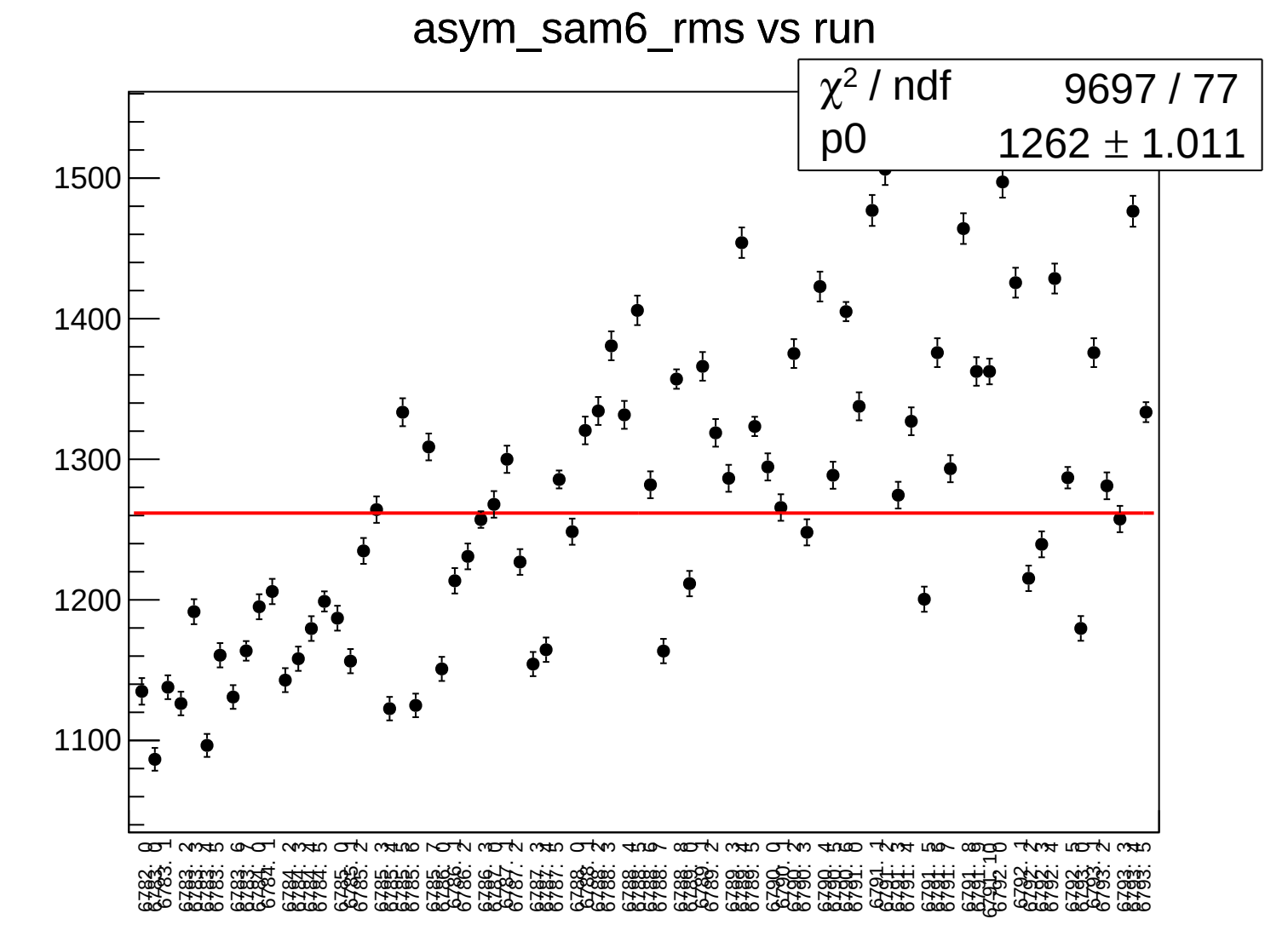

asym_sam6_correction_mean vs run
χ² / ndf 73.96 / 77
p0 1890 ± 1456
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 77.34
Std Dev 70.94
2
1
0
−1
−2

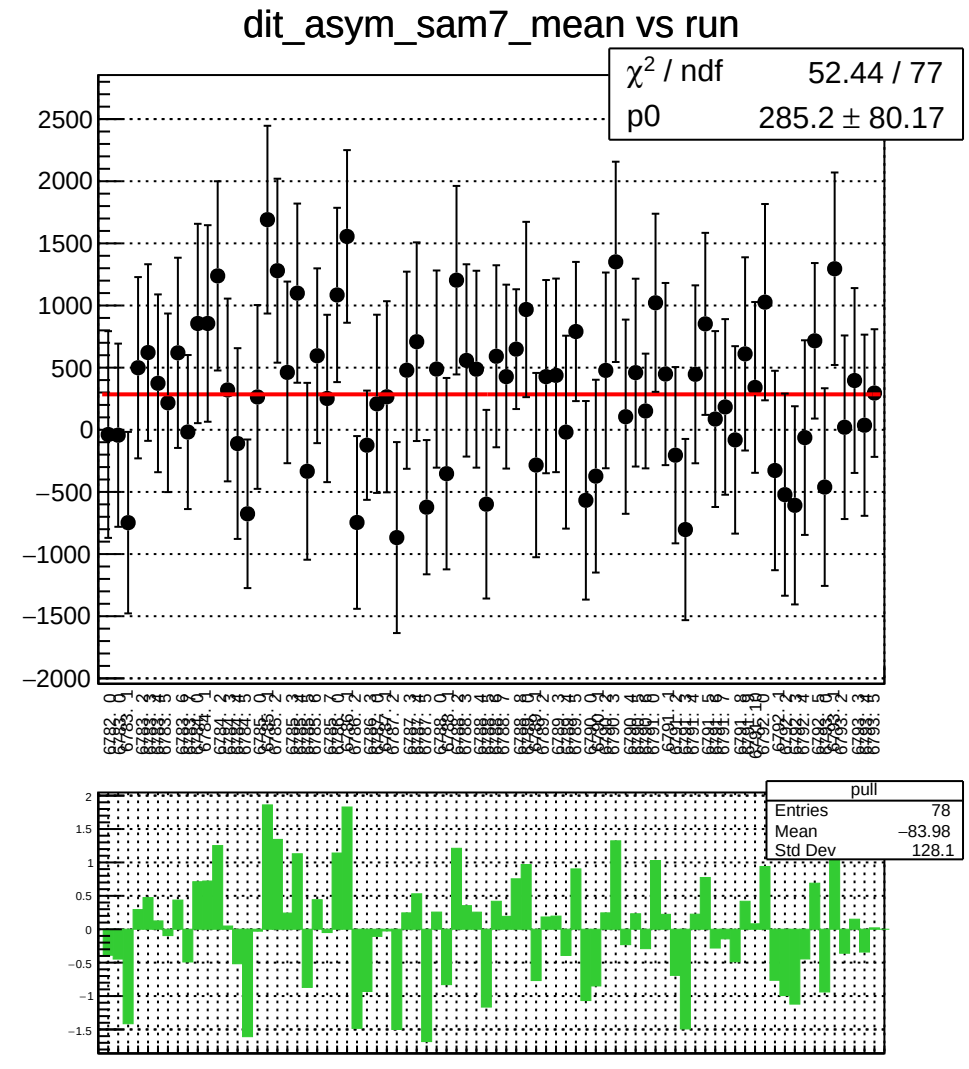

pull1D
Entries 78
Mean −0.007207
Std Dev 0.9737
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

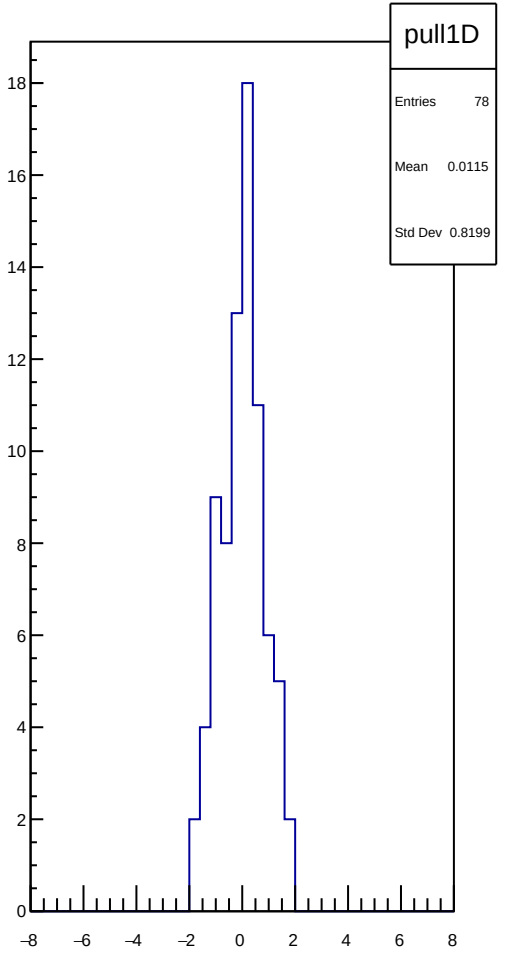

asym_sam6_correction_rms vs run
χ² / ndf 7013 / 77
p0 1286 ± 1.029
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100

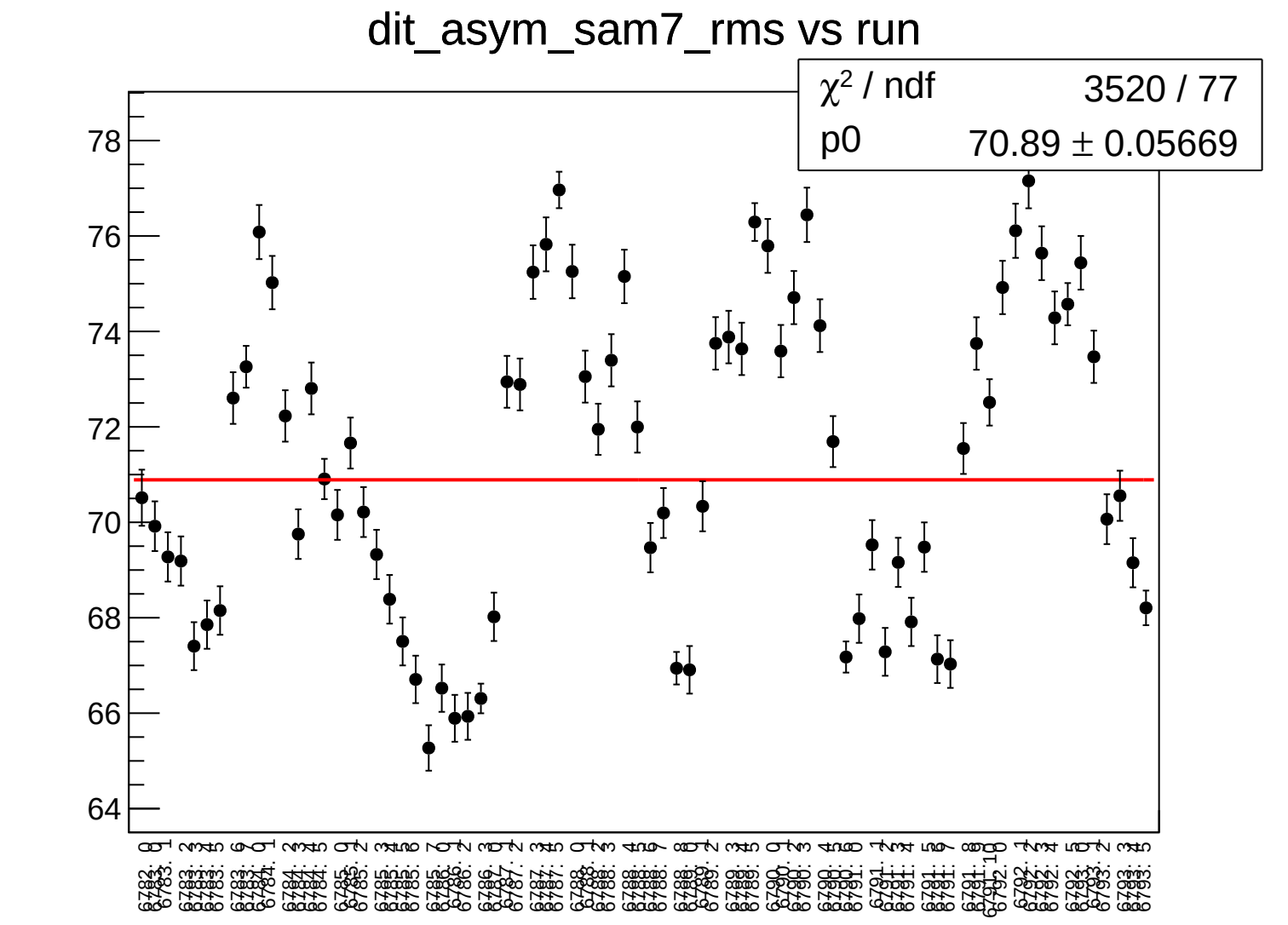

asym_sam6_mean vs run
χ^2 / ndf 74.87 / 77
p0 −1775 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 97.71
Std Dev 102
2
1
0
−1
−2

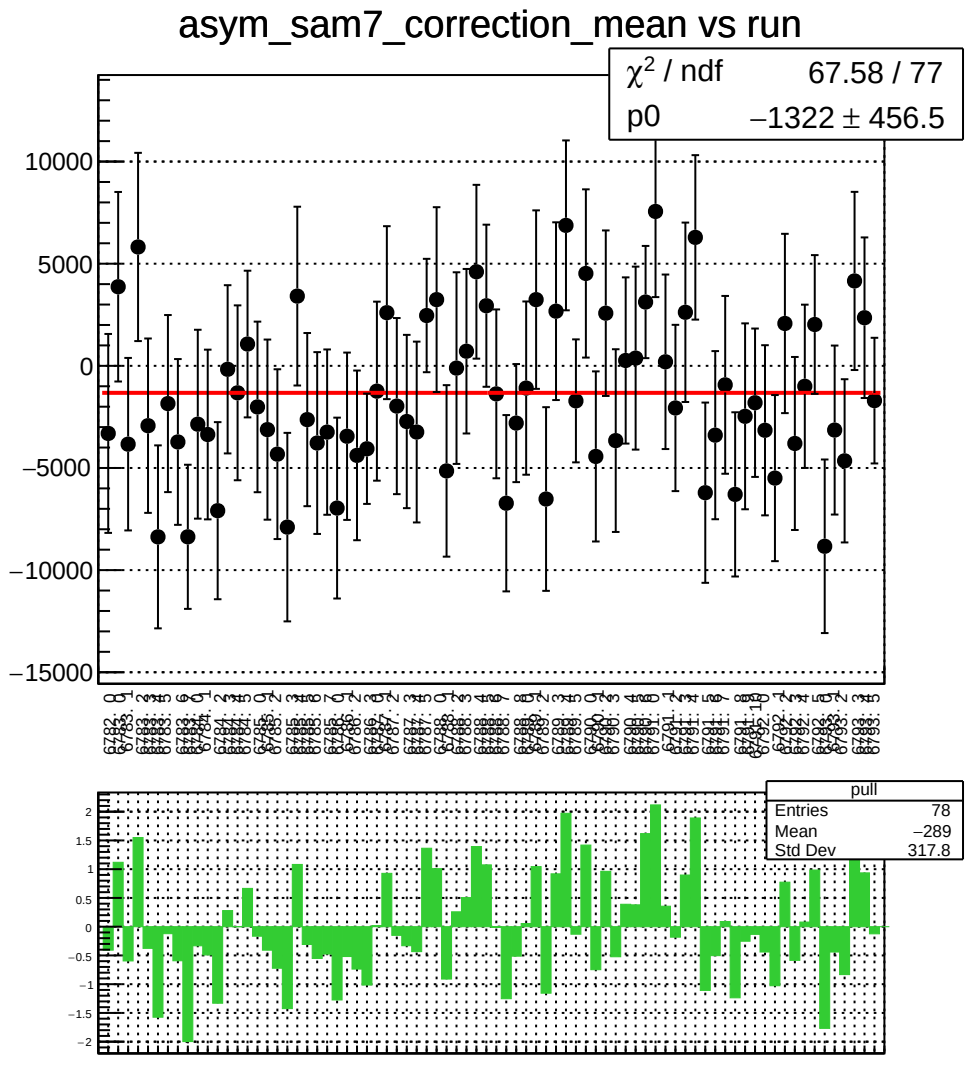

pull1D
Entries 78
Mean 0.005187
Std Dev 0.9797
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

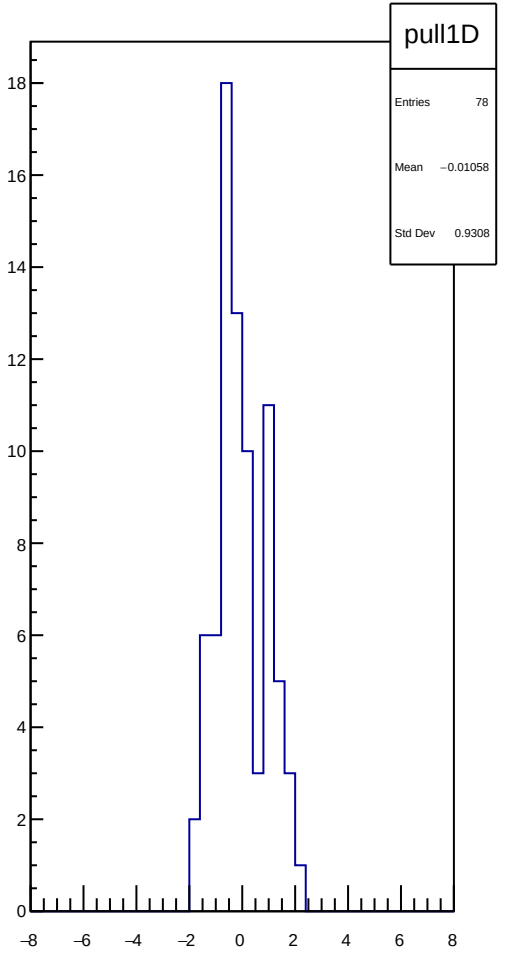

asym_sam6_rms vs run
χ^2 / ndf 9697 / 77
p0 1262 ± 1.011
1500
1400
1300
1200
1100

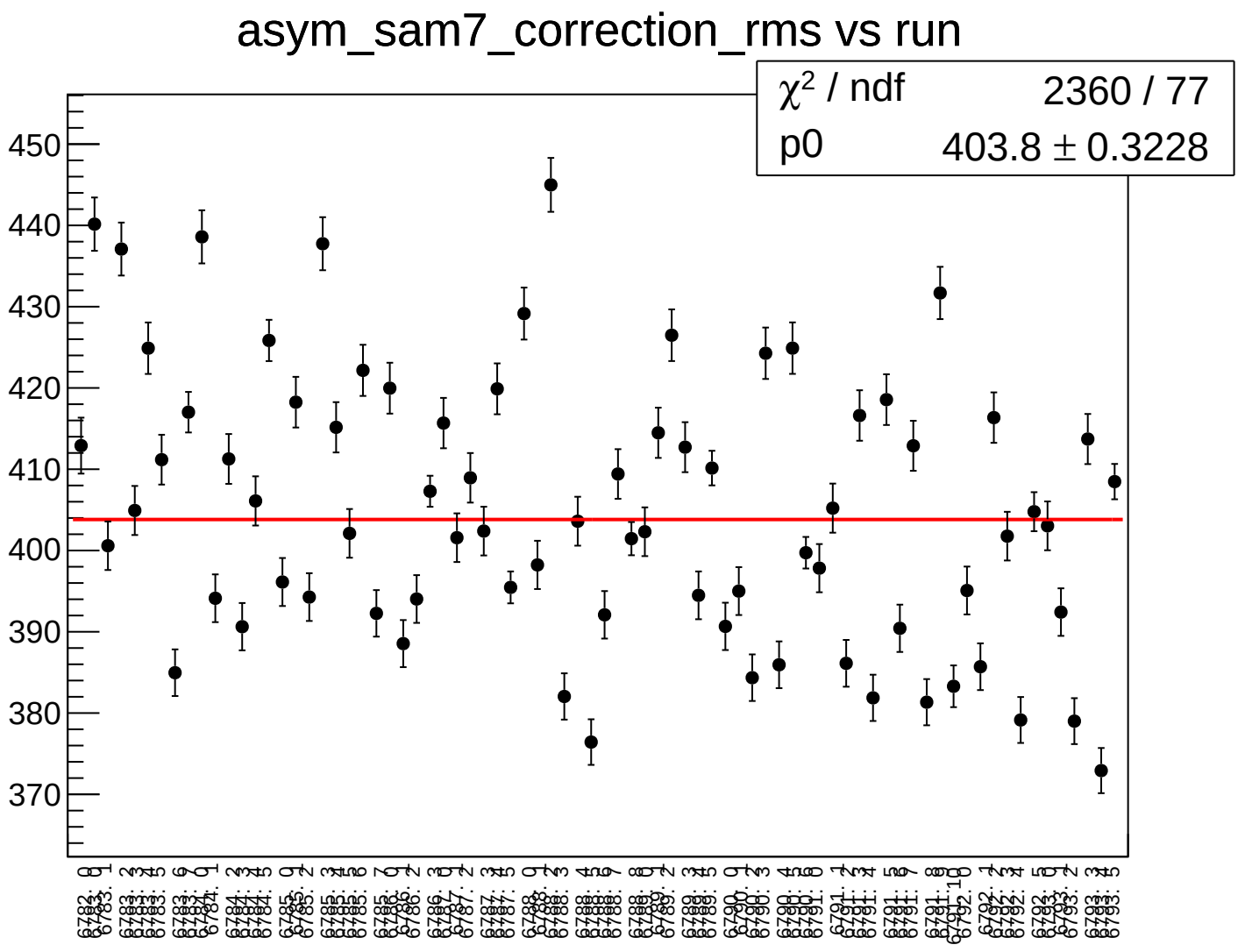

dit_asym_sam7_mean vs run
χ² / ndf 52.44 / 77
p0 285.2 ± 80.17
pull
Entries 78
Mean −83.98
Std Dev 128.1

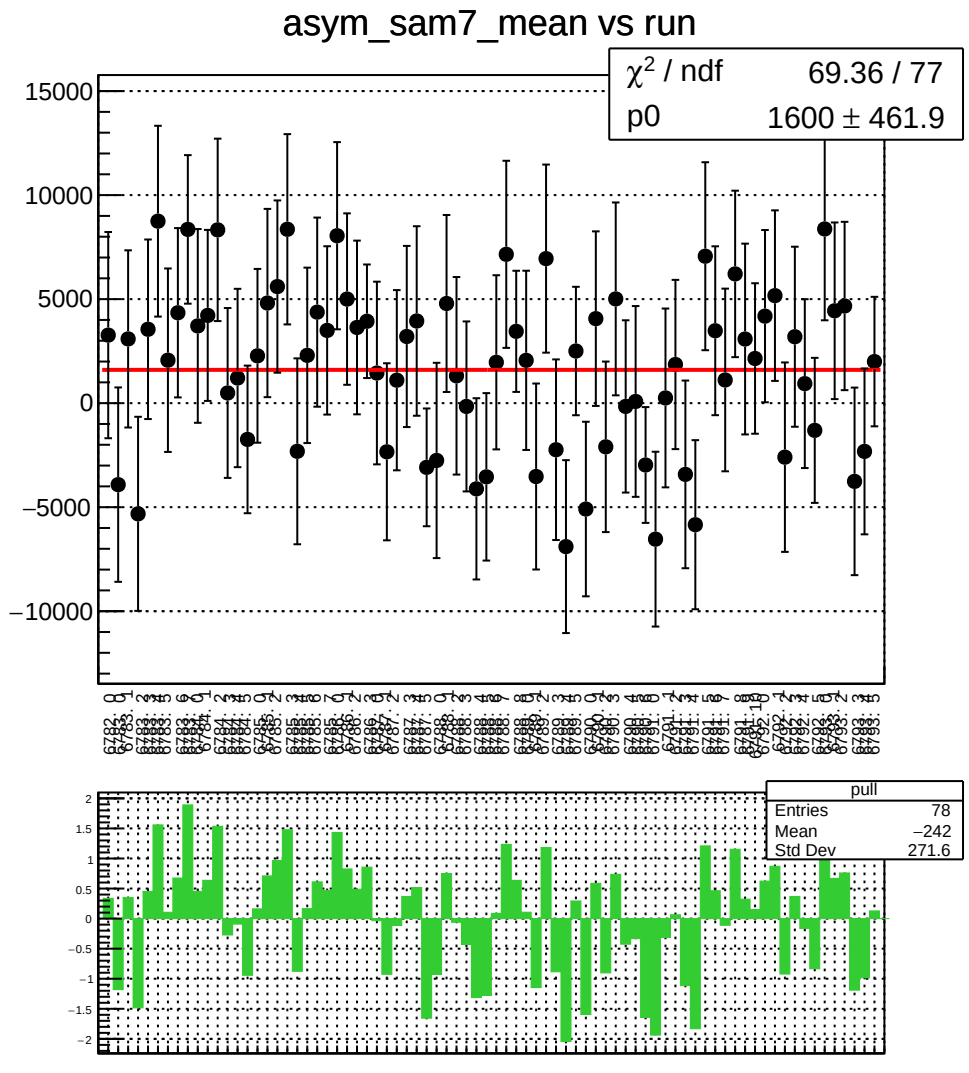

pull1D
Entries 78
Mean 0.0115
Std Dev 0.8199

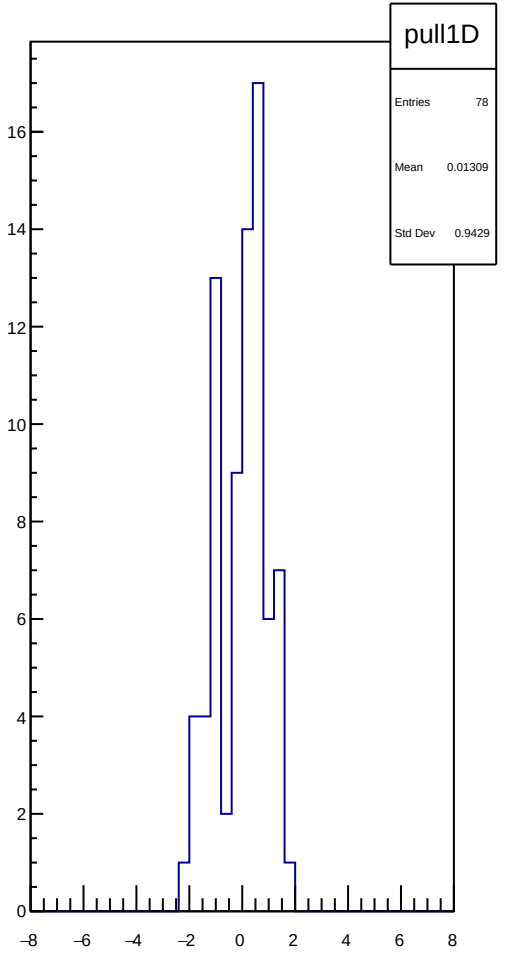

dit_asym_sam7_rms vs run
χ² / ndf 3520 / 77
p0 70.89 ± 0.05669
78
76
74
72
70
68
66
64

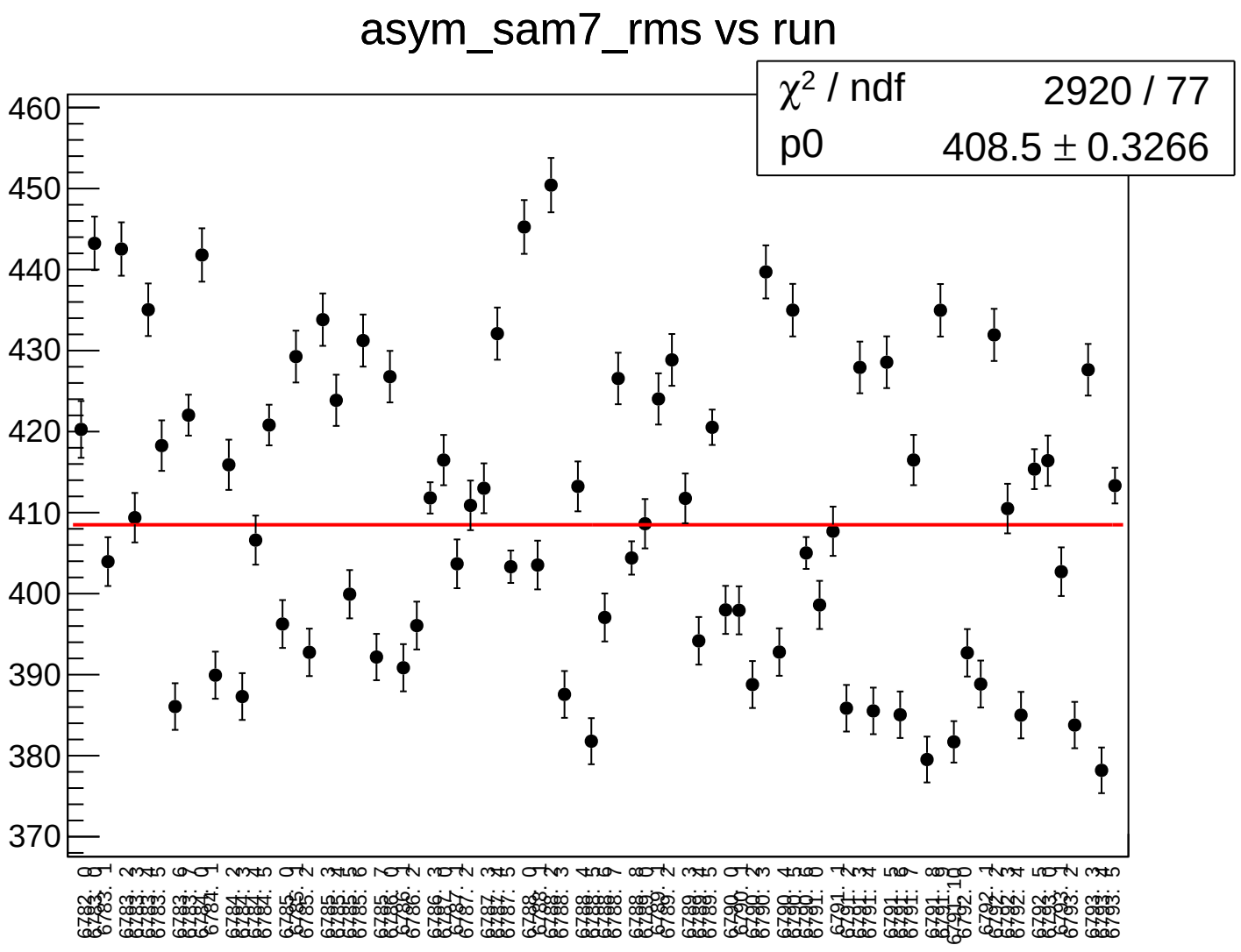

asym_sam7_correction_mean vs run
χ² / ndf 67.58 / 77
p0 −1322 ± 456.5
pull
Entries 78
Mean −289
Std Dev 317.8

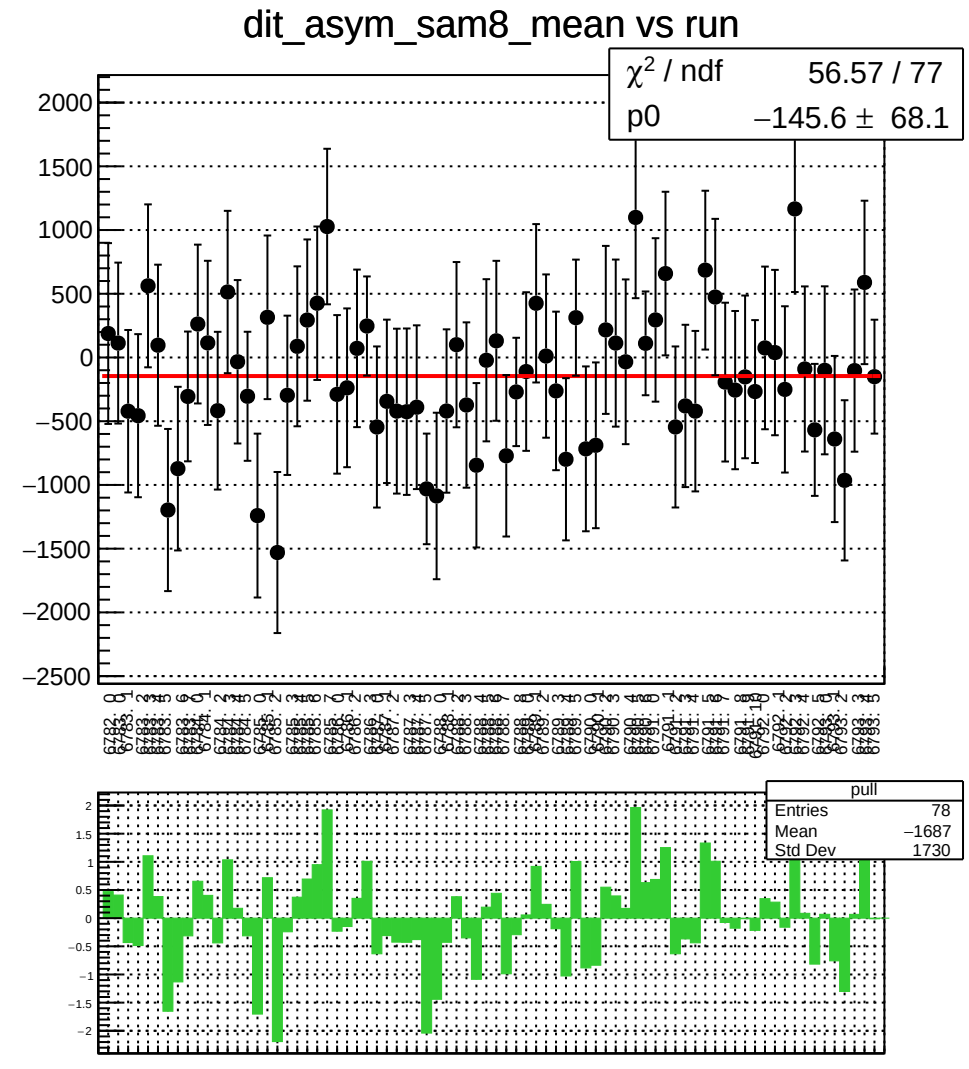

pull1D
Entries 78
Mean −0.01058
Std Dev 0.9308

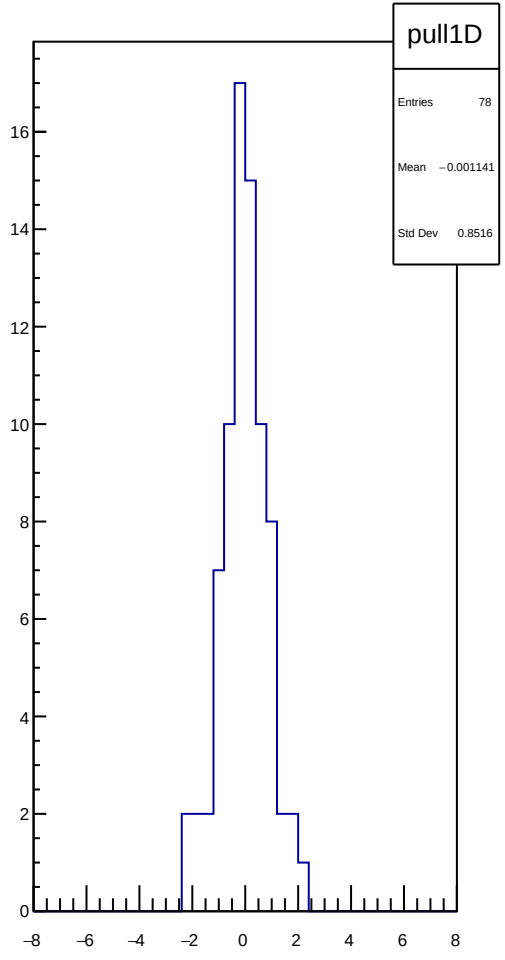

asym_sam7_correction_rms vs run
χ² / ndf 2360 / 77
p0 403.8 ± 0.3228
450
440
430
420
410
400
390
380
370

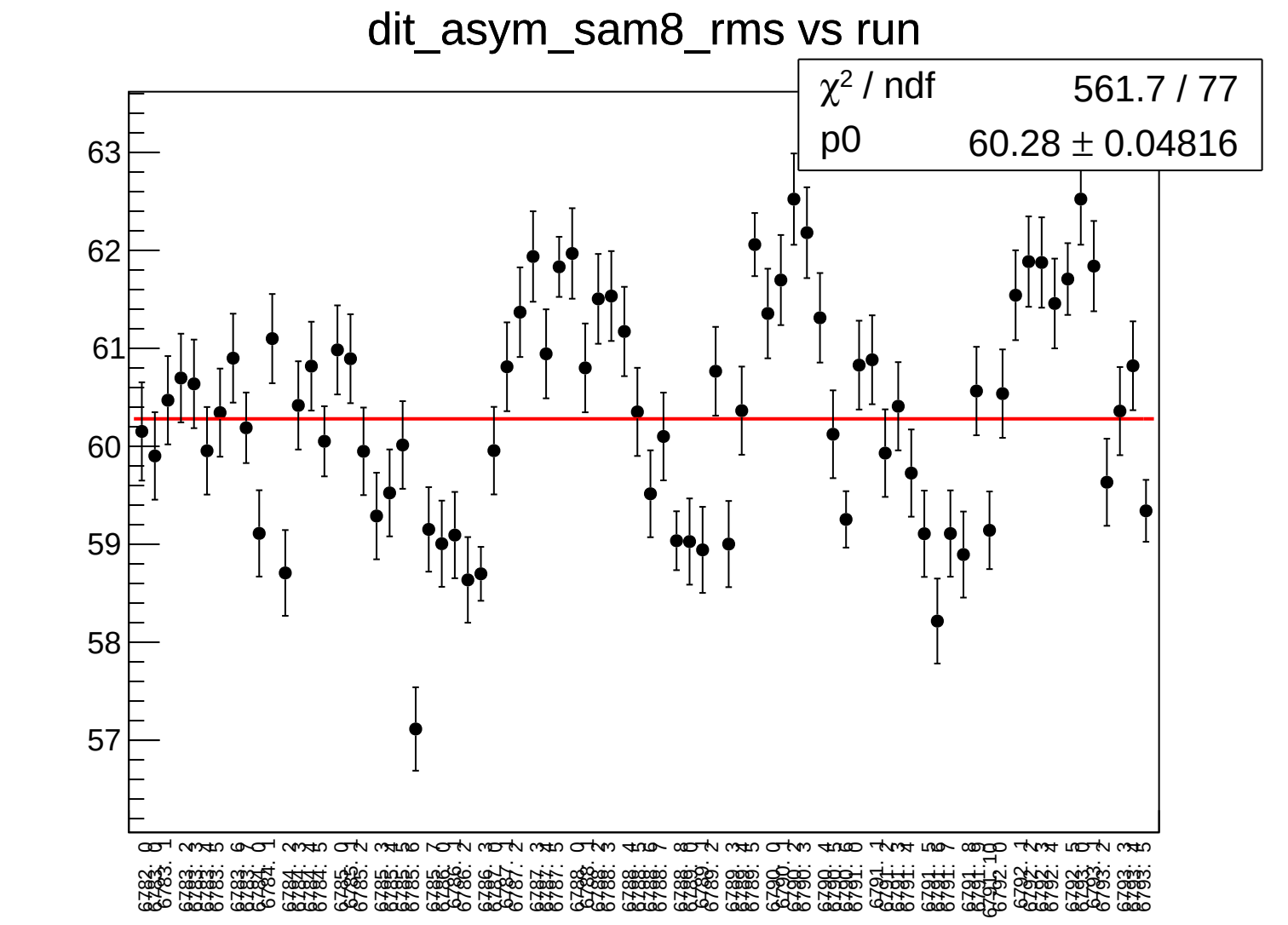

asym_sam7_mean vs run
χ² / ndf 69.36 / 77
p0 1600 ± 461.9
pull
Entries 78
Mean −242
Std Dev 271.6

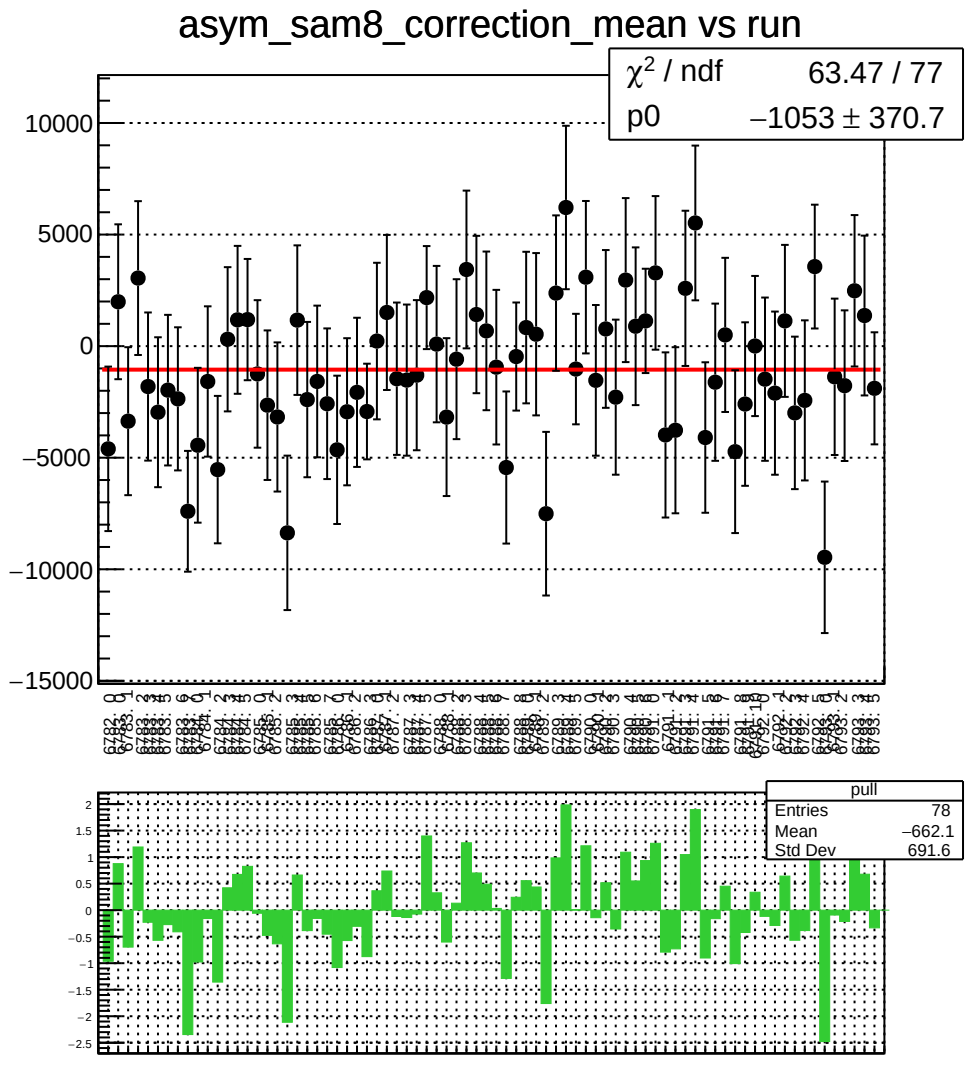

pull1D
Entries 78
Mean 0.01309
Std Dev 0.9429

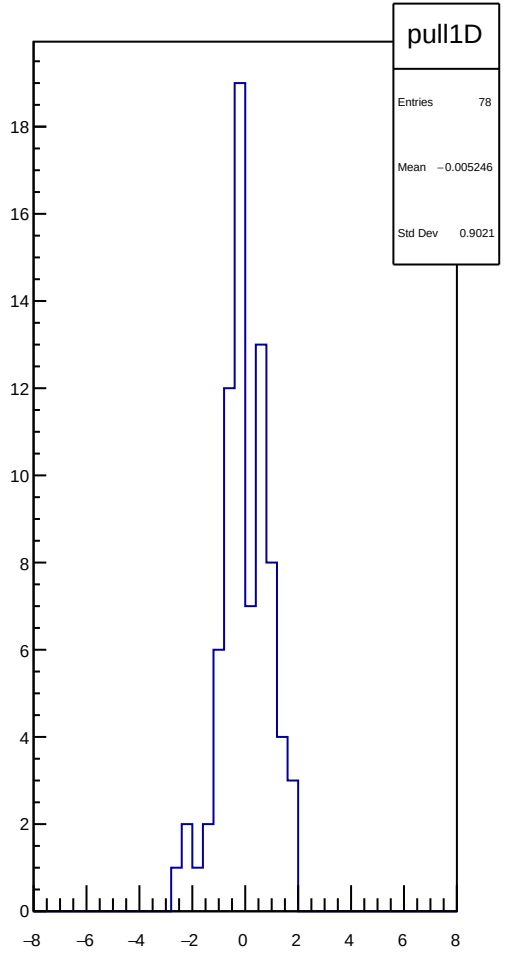

asym_sam7_rms vs run
χ² / ndf 2920 / 77
p0 408.5 ± 0.3266
460
450
440
430
420
410
400
390
380
370

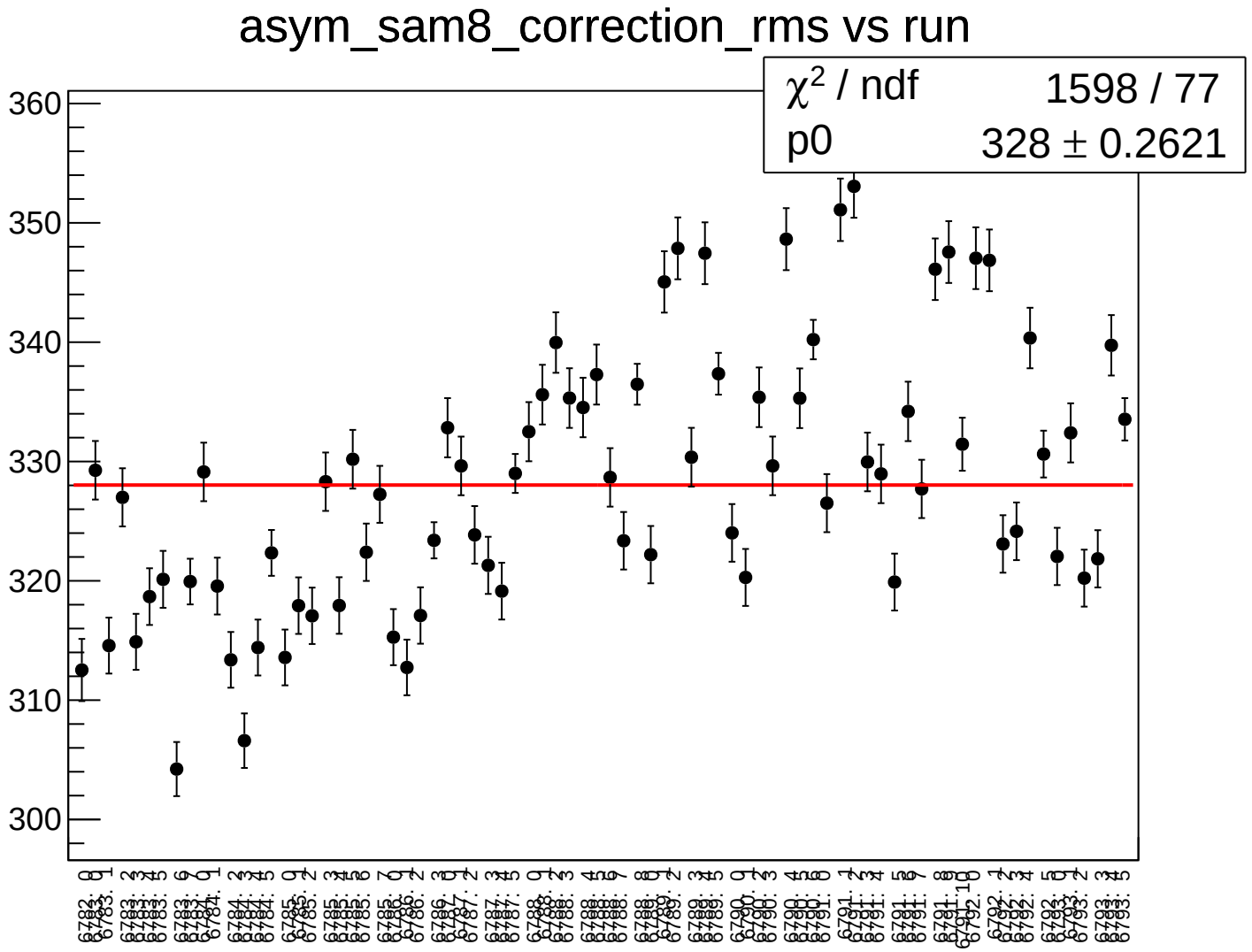

dit_asym_sam8_mean vs run
χ² / ndf 56.57 / 77
p0 −145.6 ± 68.1
pull
Entries 78
Mean −1687
Std Dev 1730

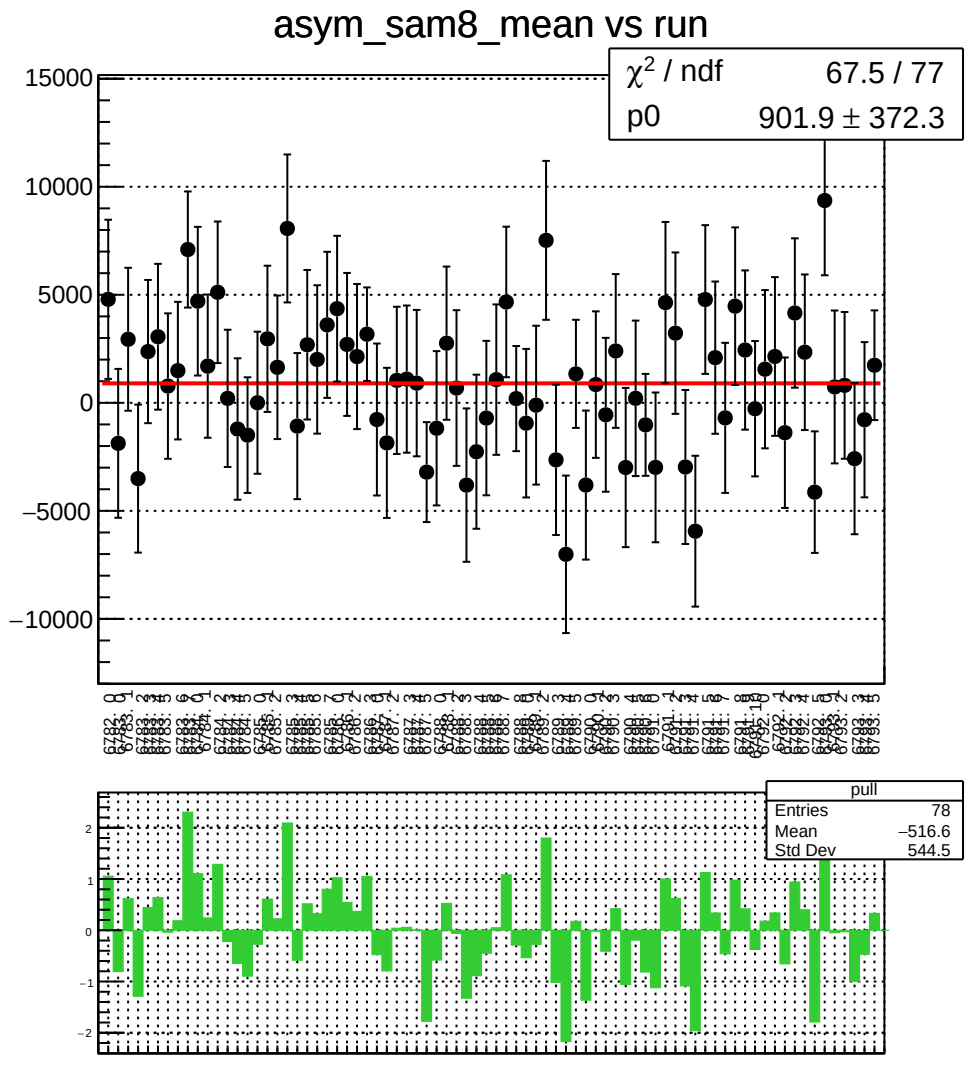

pull1D
Entries 78
Mean −0.001141
Std Dev 0.8516

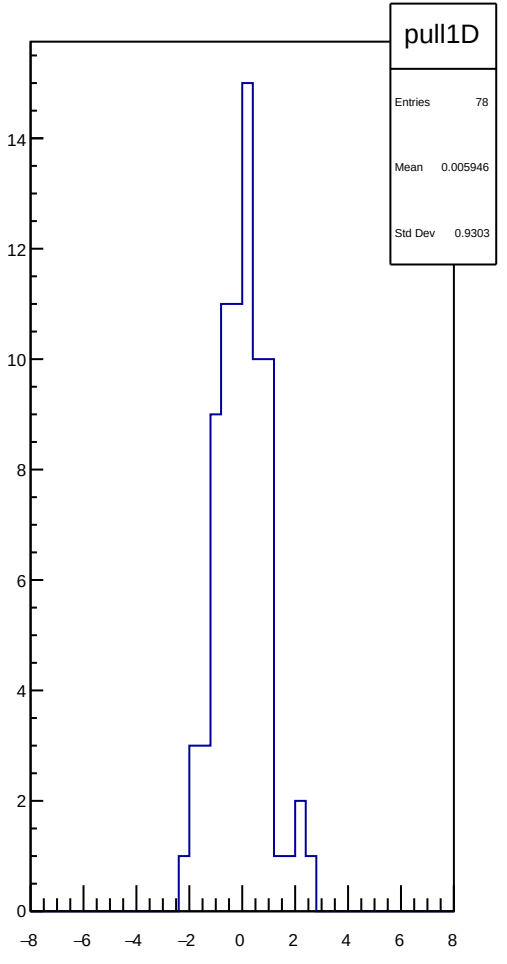

dit_asym_sam8_rms vs run
χ² / ndf 561.7 / 77
p0 60.28 ± 0.04816
63
62
61
60
59
58
57

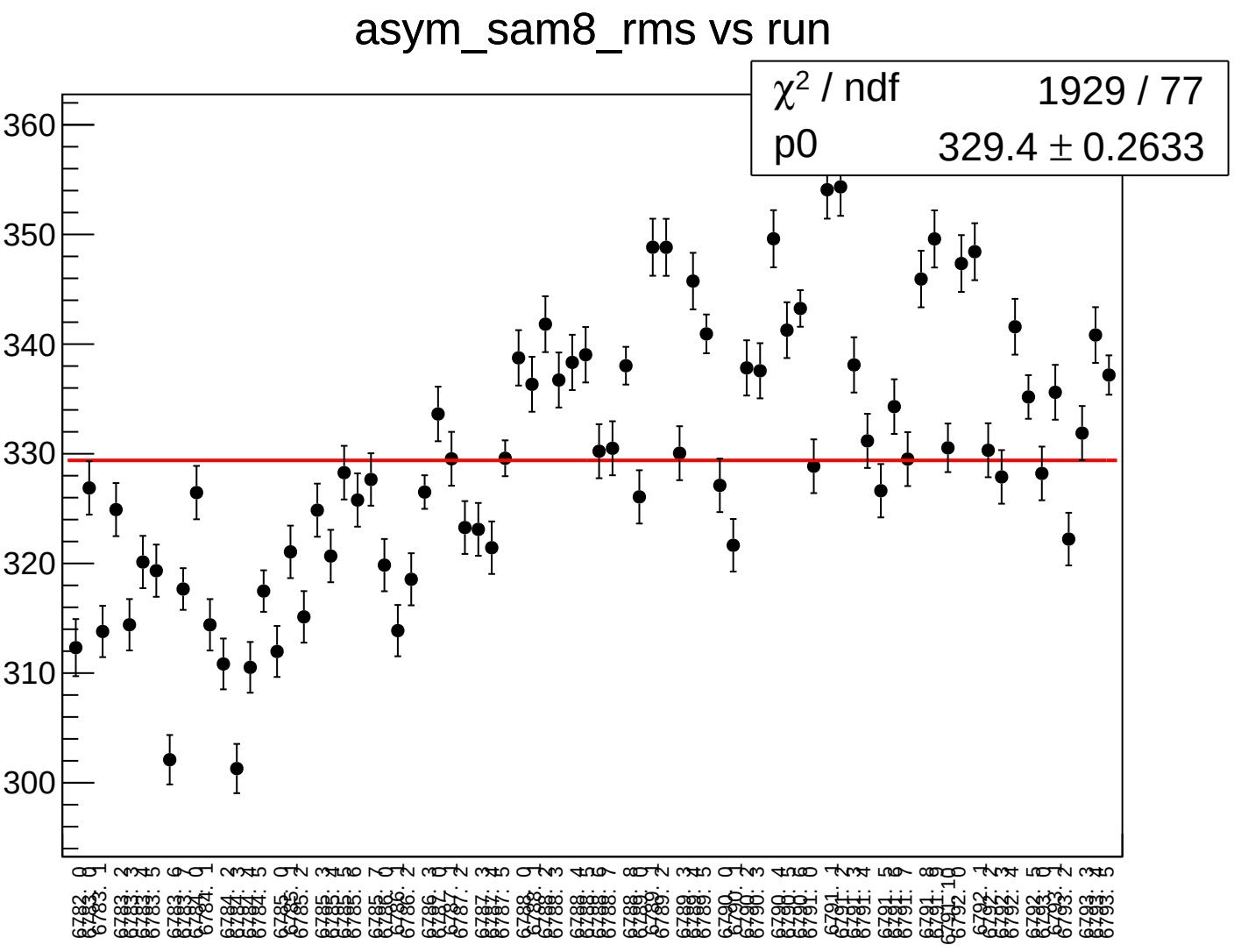

asym_sam8_correction_mean vs run
χ² / ndf 63.47 / 77
p0 −1053 ± 370.7
pull
Entries 78
Mean −662.1
Std Dev 691.6

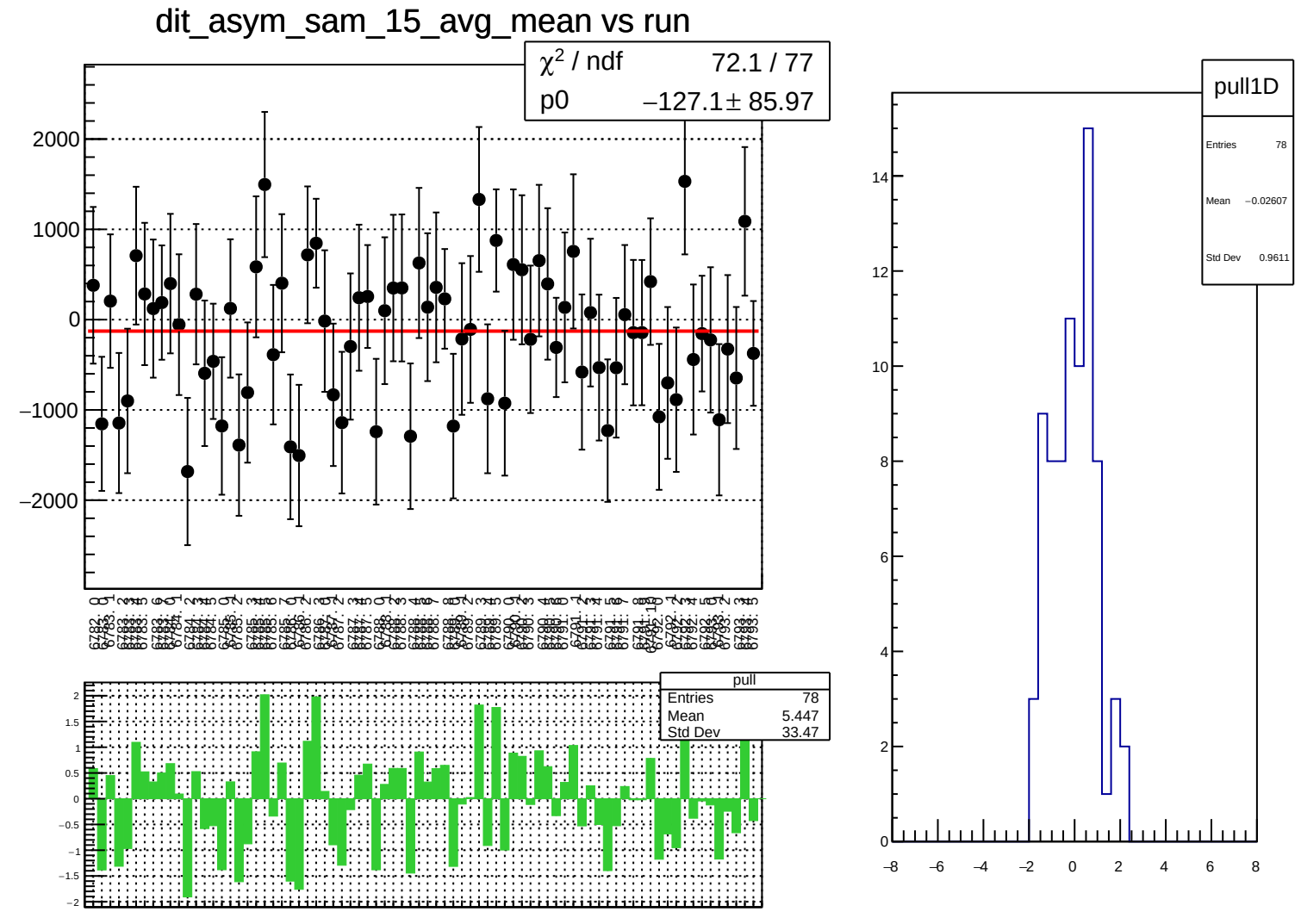

pull1D
Entries 78
Mean −0.005246
Std Dev 0.9021

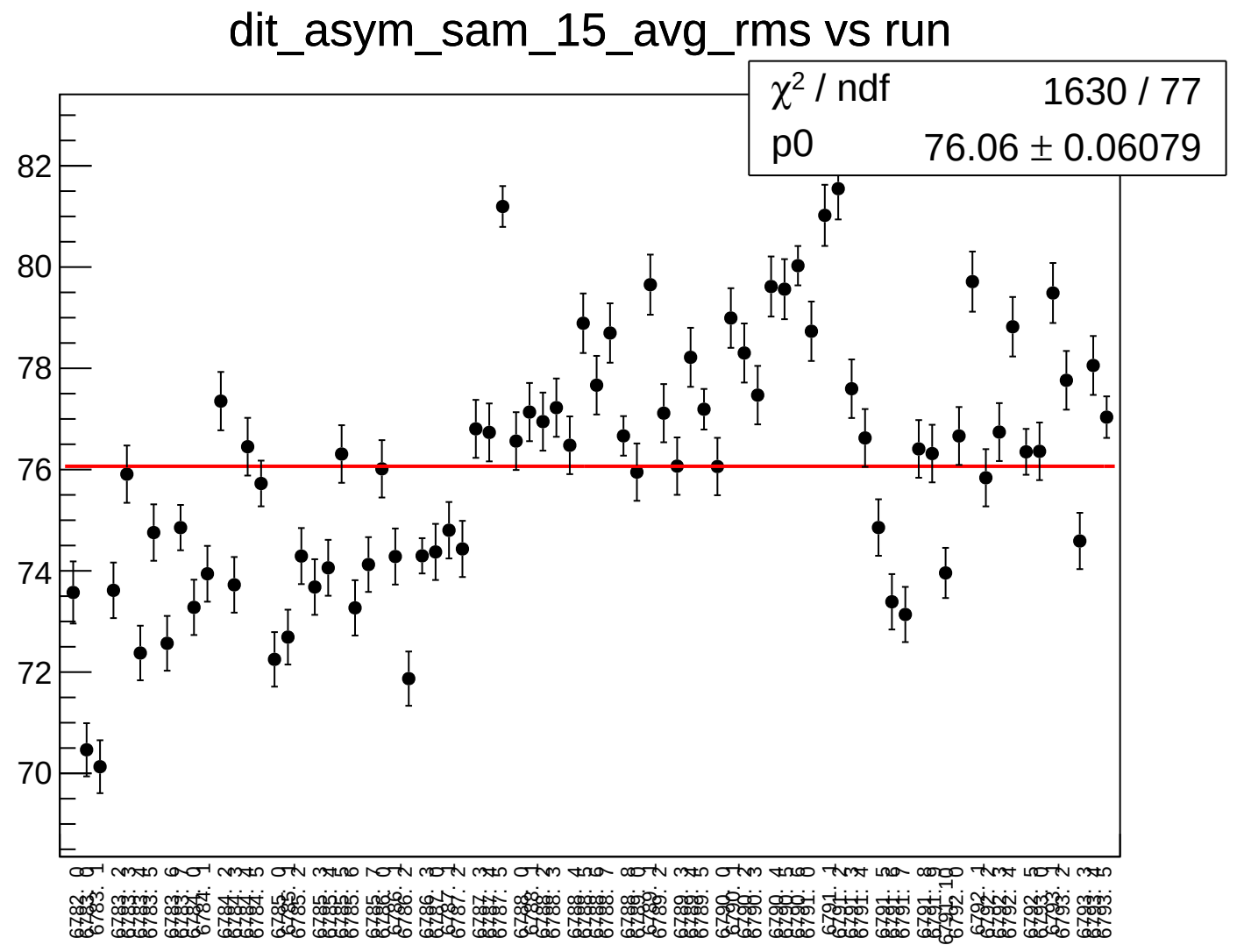

asym_sam8_correction_rms vs run
χ² / ndf 1598 / 77
p0 328 ± 0.2621
360
350
340
330
320
310
300

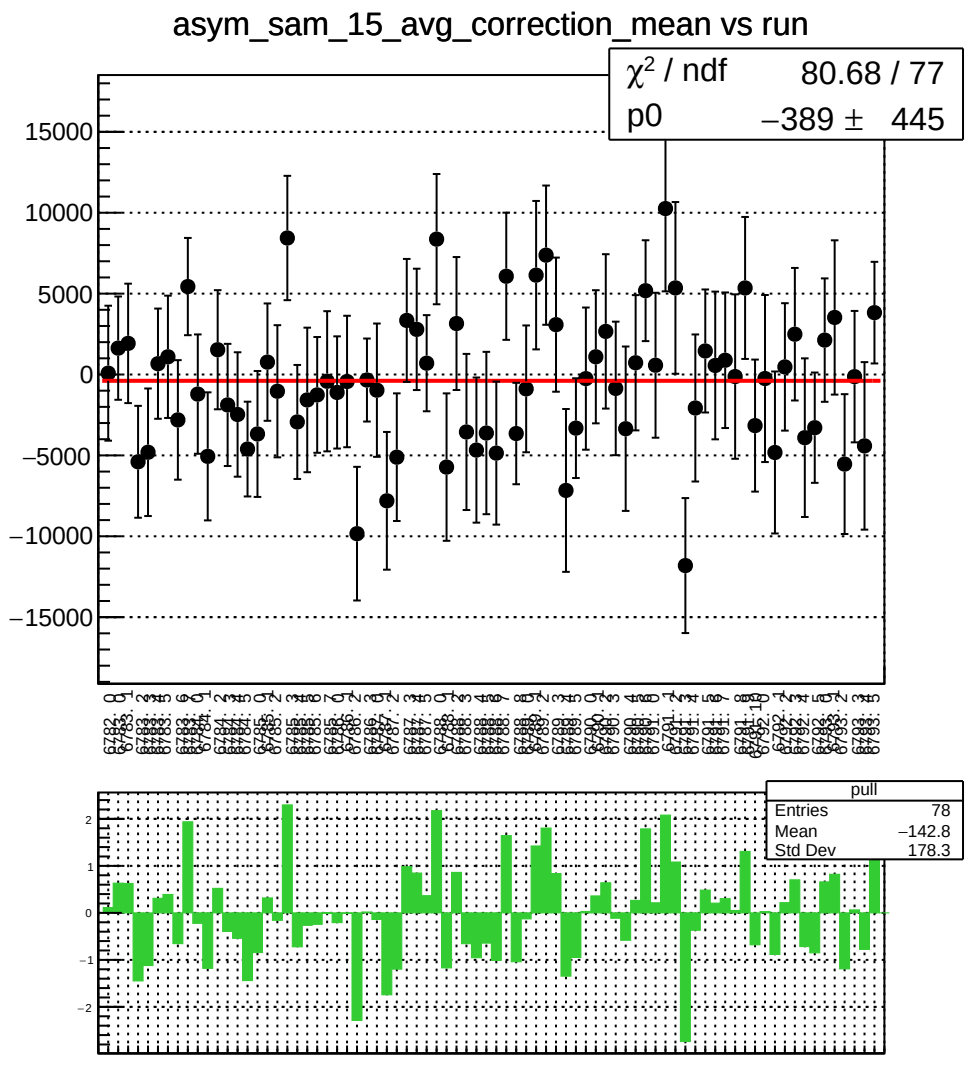

asym_sam8_mean vs run
χ² / ndf 67.5 / 77
p0 901.9 ± 372.3
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −516.6
Std Dev 544.5
2
1
0
−1
−2

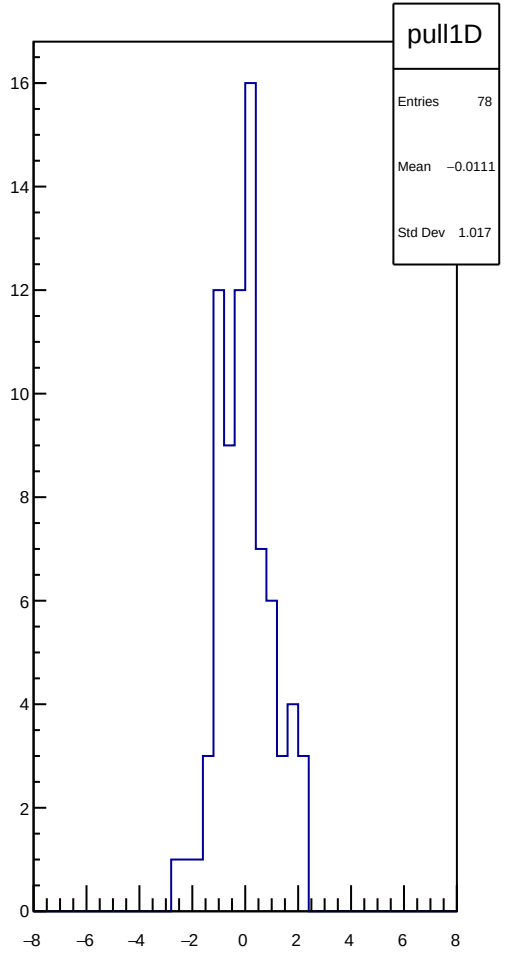

pull1D
Entries 78
Mean 0.005946
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

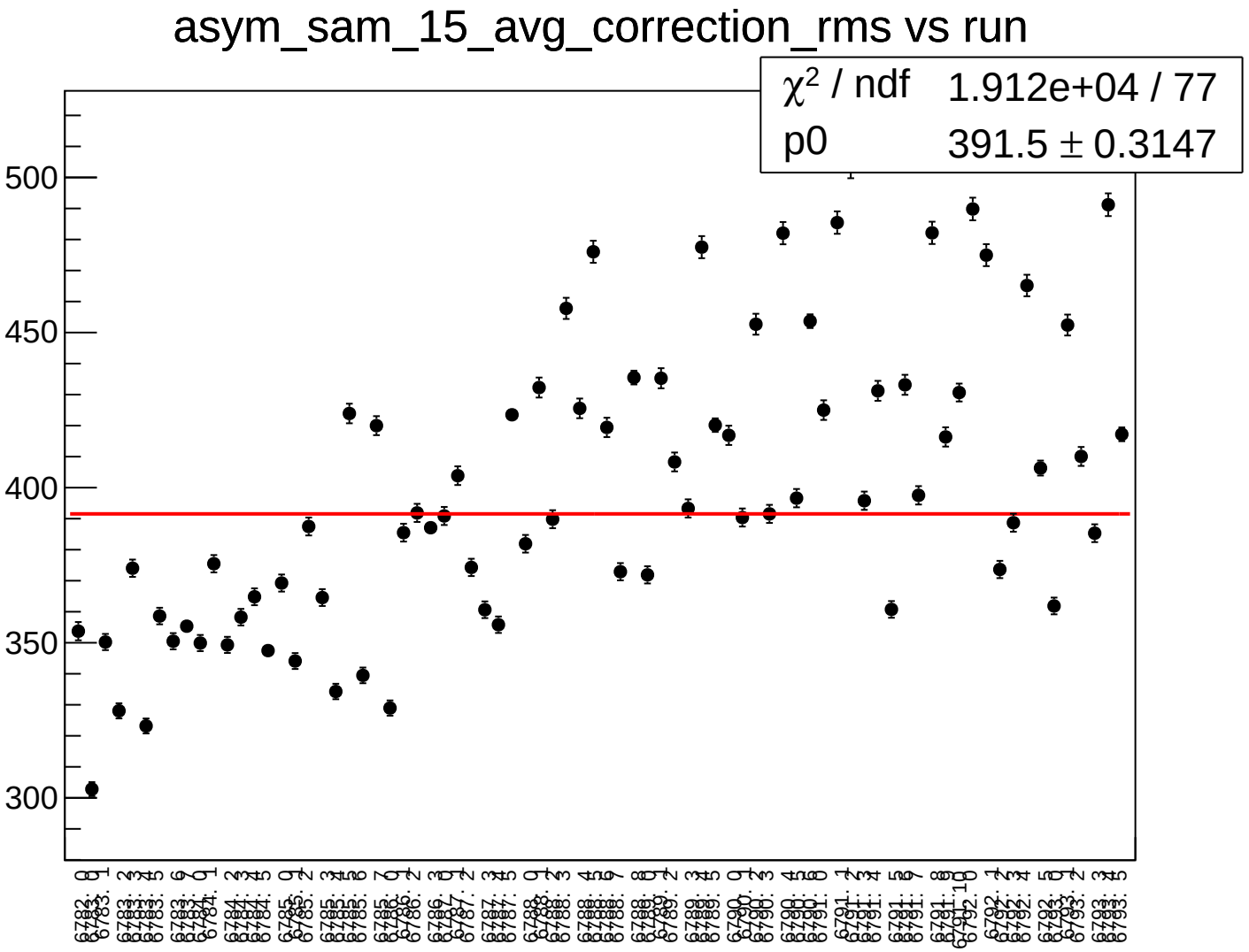

asym_sam8_rms vs run
χ² / ndf 1929 / 77
p0 329.4 ± 0.2633
360
350
340
330
320
310
300

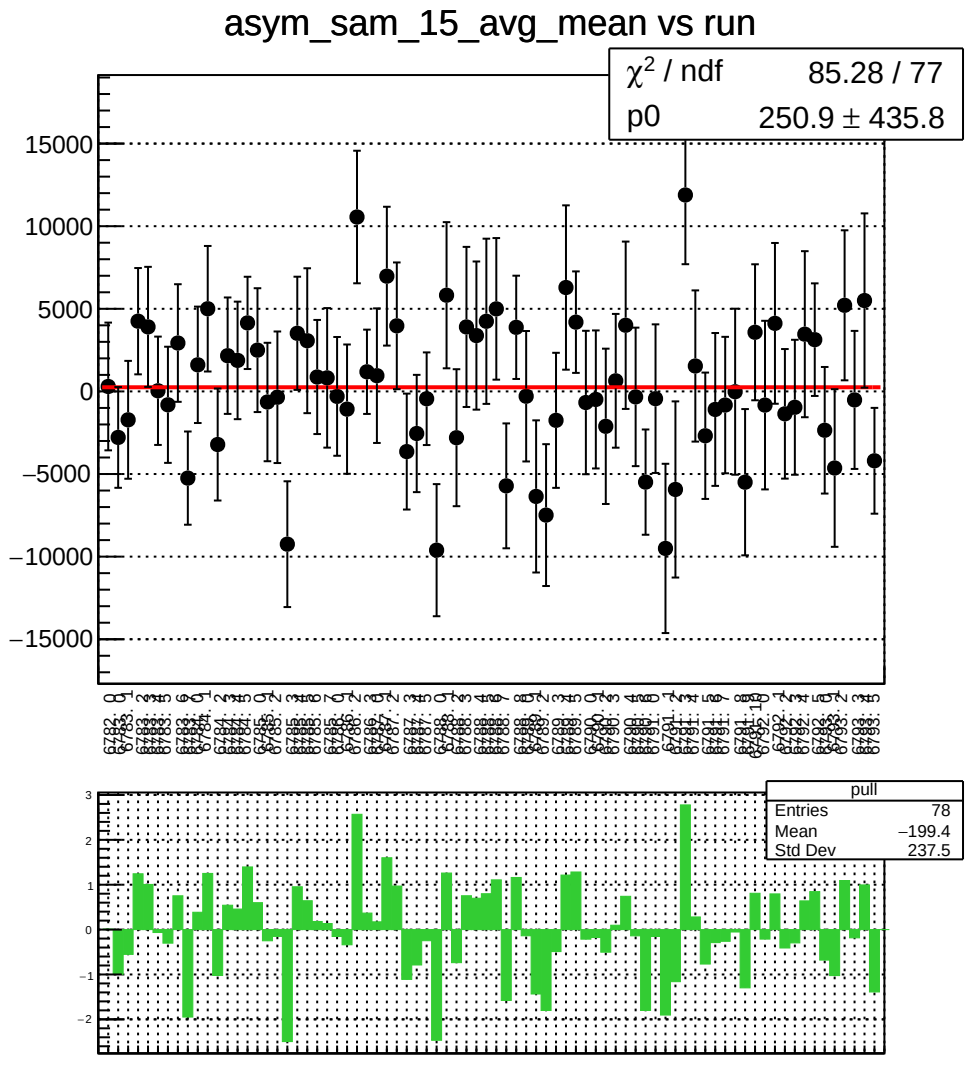

dit_asym_sam_15_avg_mean vs run
χ² / ndf 72.1 / 77
p0 −127.1 ± 85.97
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 5.447
Std Dev 33.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.02607
Std Dev 0.9611
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

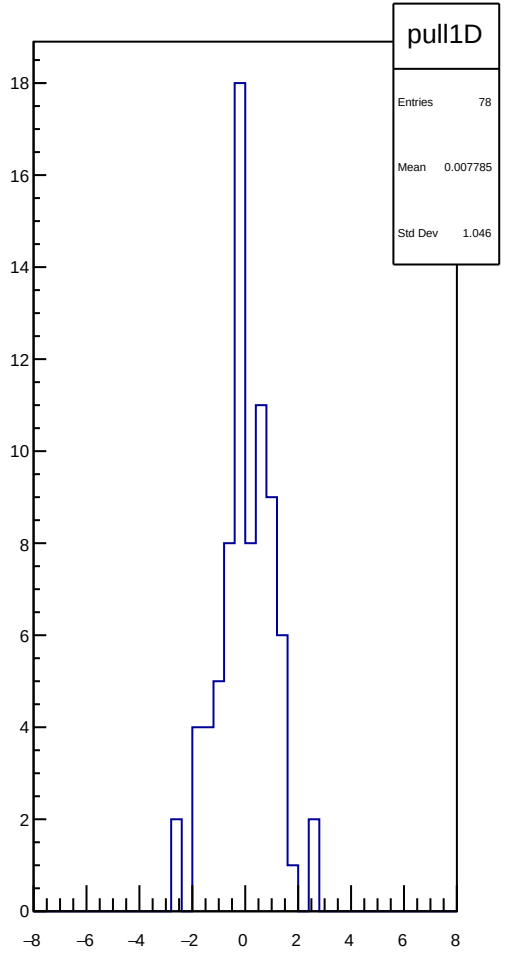

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1630 / 77
p0 76.06 ± 0.06079
82
80
78
76
74
72
70

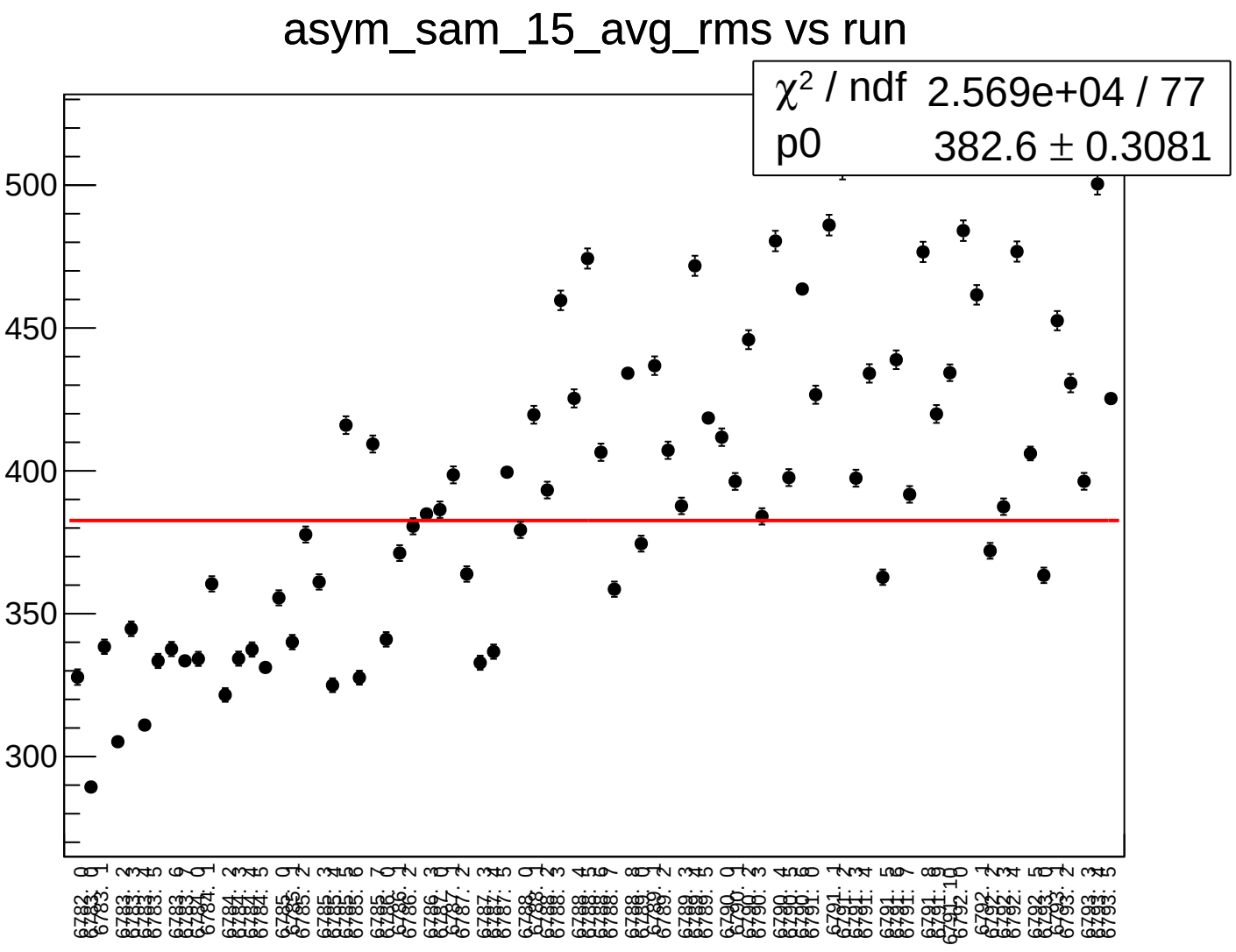

asym_sam_15_avg_correction_mean vs run
χ² / ndf 80.68 / 77
p0 −389 ± 445
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −142.8
Std Dev 178.3
2
1
0
−1
−2

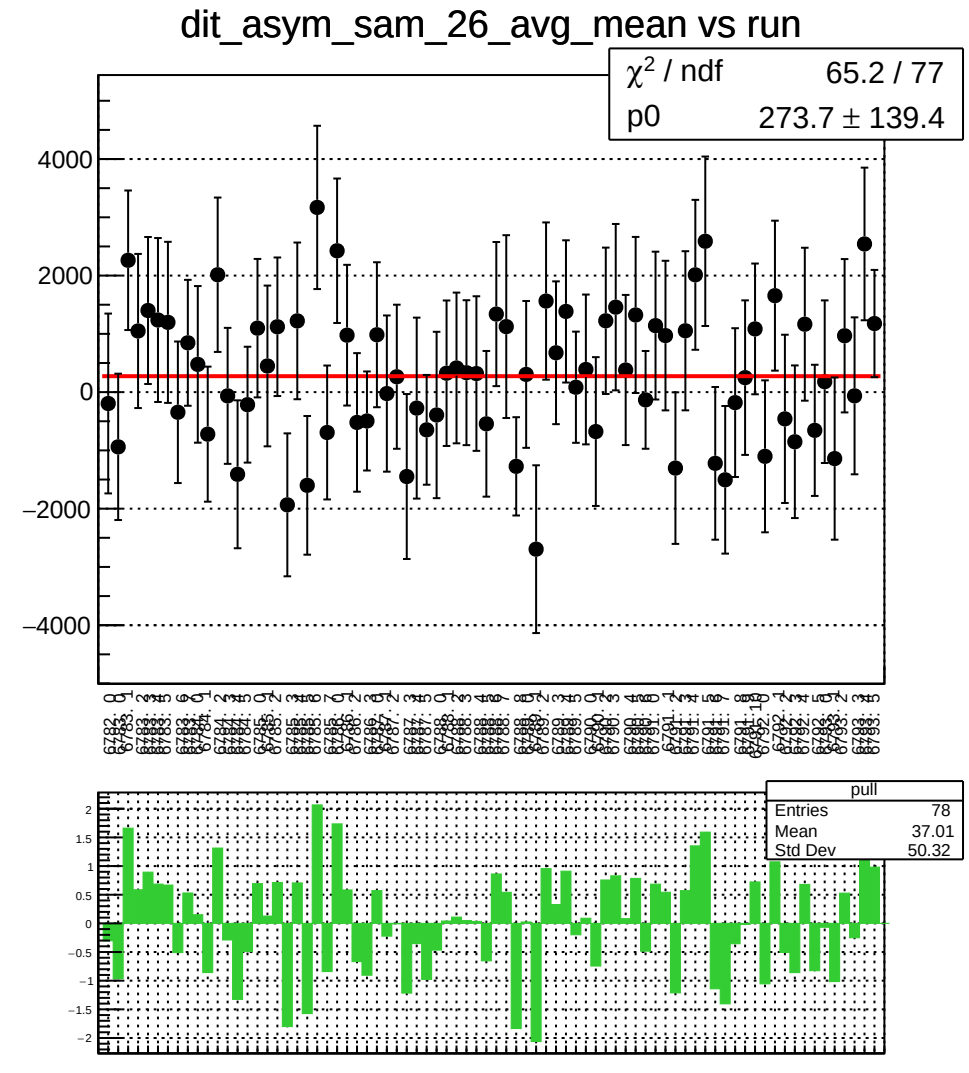

pull1D
Entries 78
Mean −0.0111
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

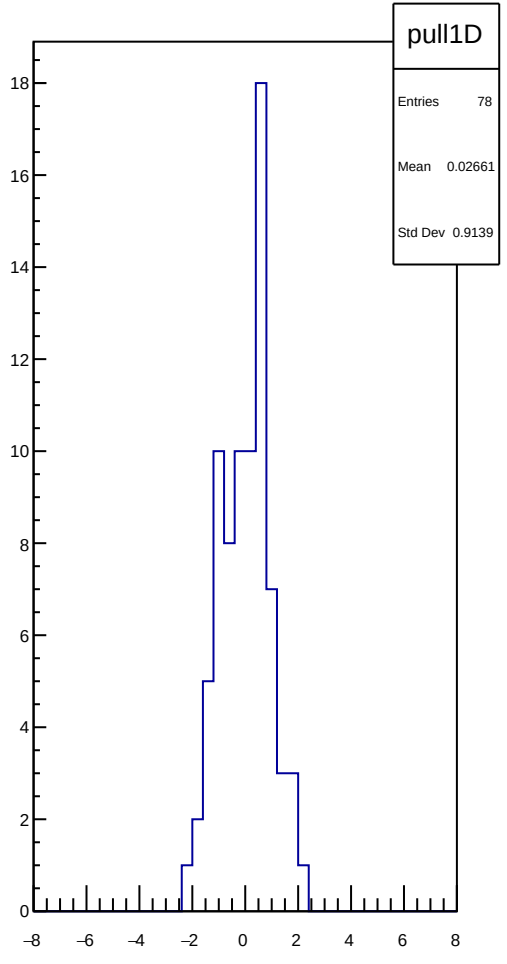

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.912e+04 / 77
p0 391.5 ± 0.3147
500
450
400
350
300

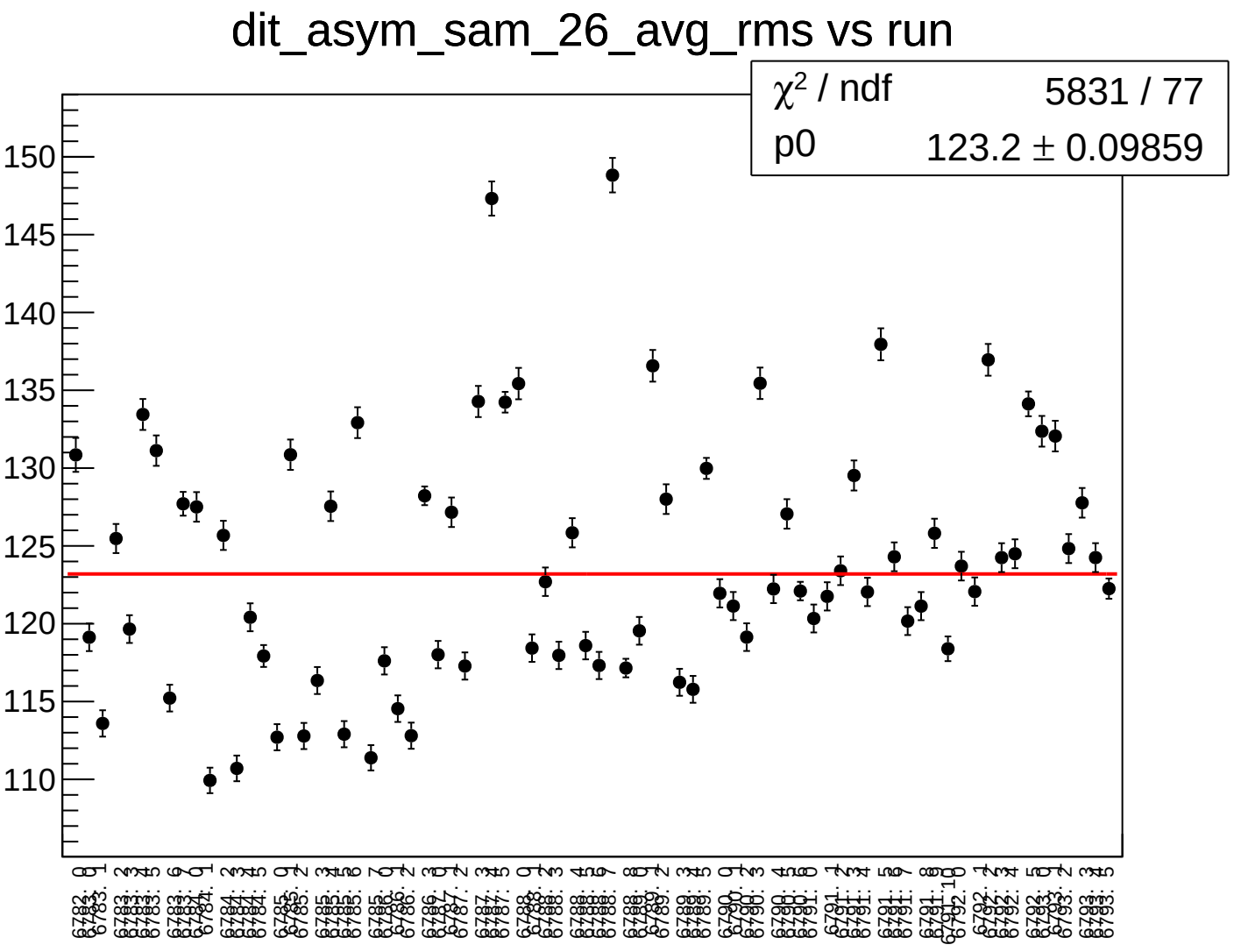

asym_sam_15_avg_mean vs run
χ² / ndf 85.28 / 77
p0 250.9 ± 435.8
pull
Entries 78
Mean −199.4
Std Dev 237.5

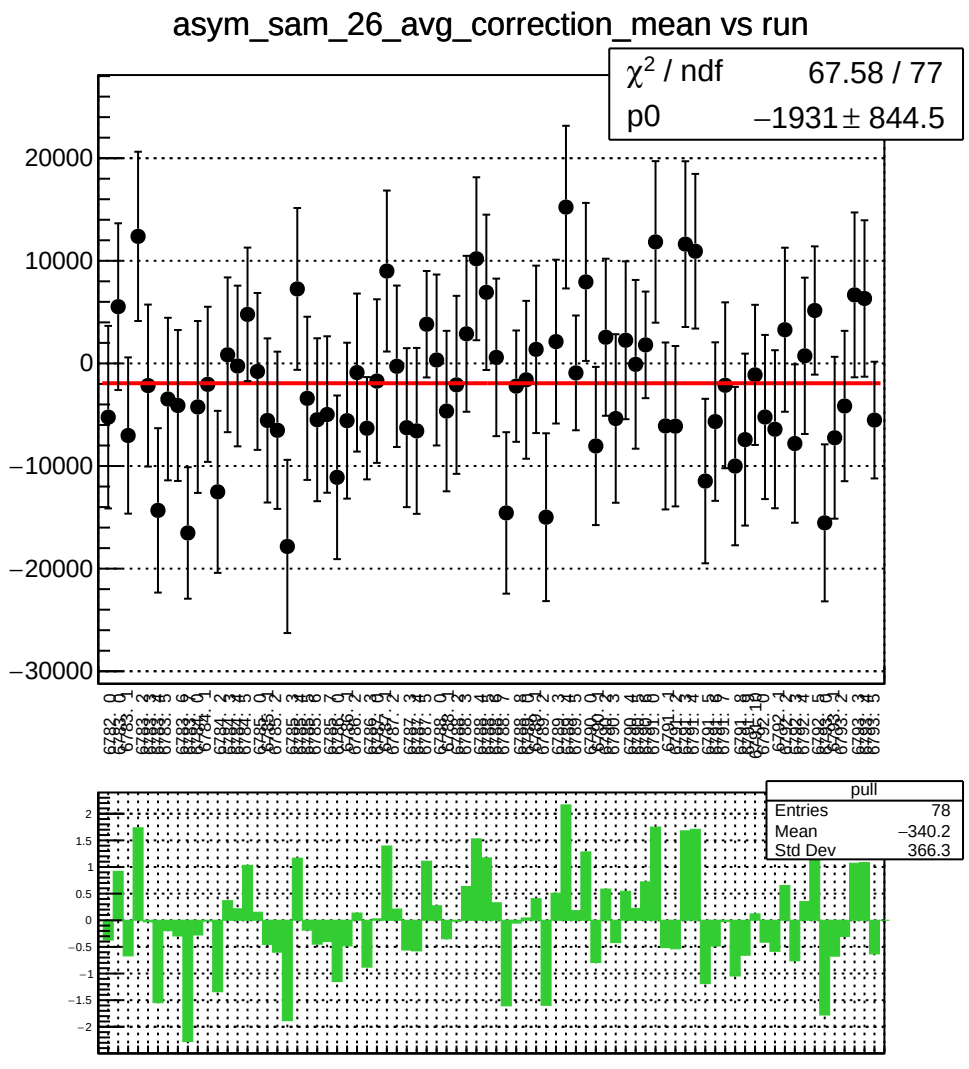

pull1D
Entries 78
Mean 0.007785
Std Dev 1.046

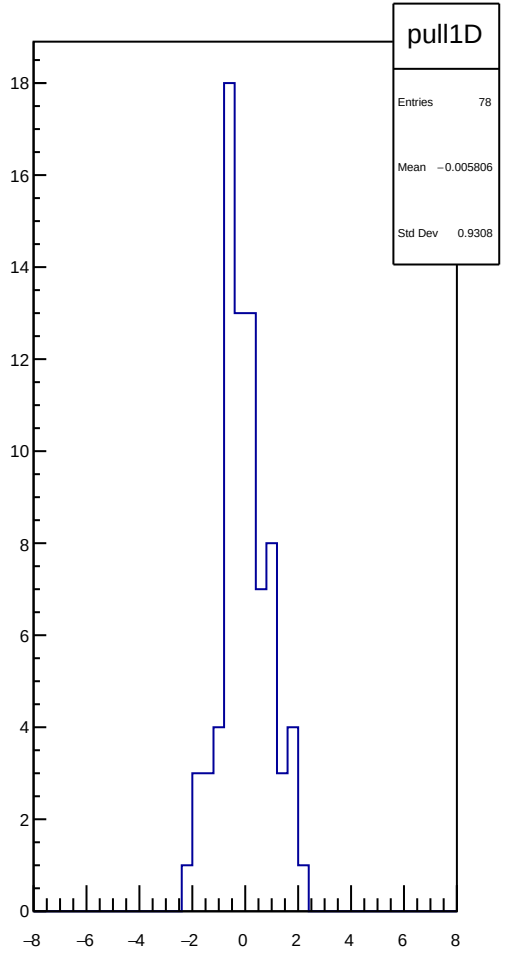

asym_sam_15_avg_rms vs run
χ² / ndf 2.569e+04 / 77
p0 382.6 ± 0.3081
500
450
400
350
300

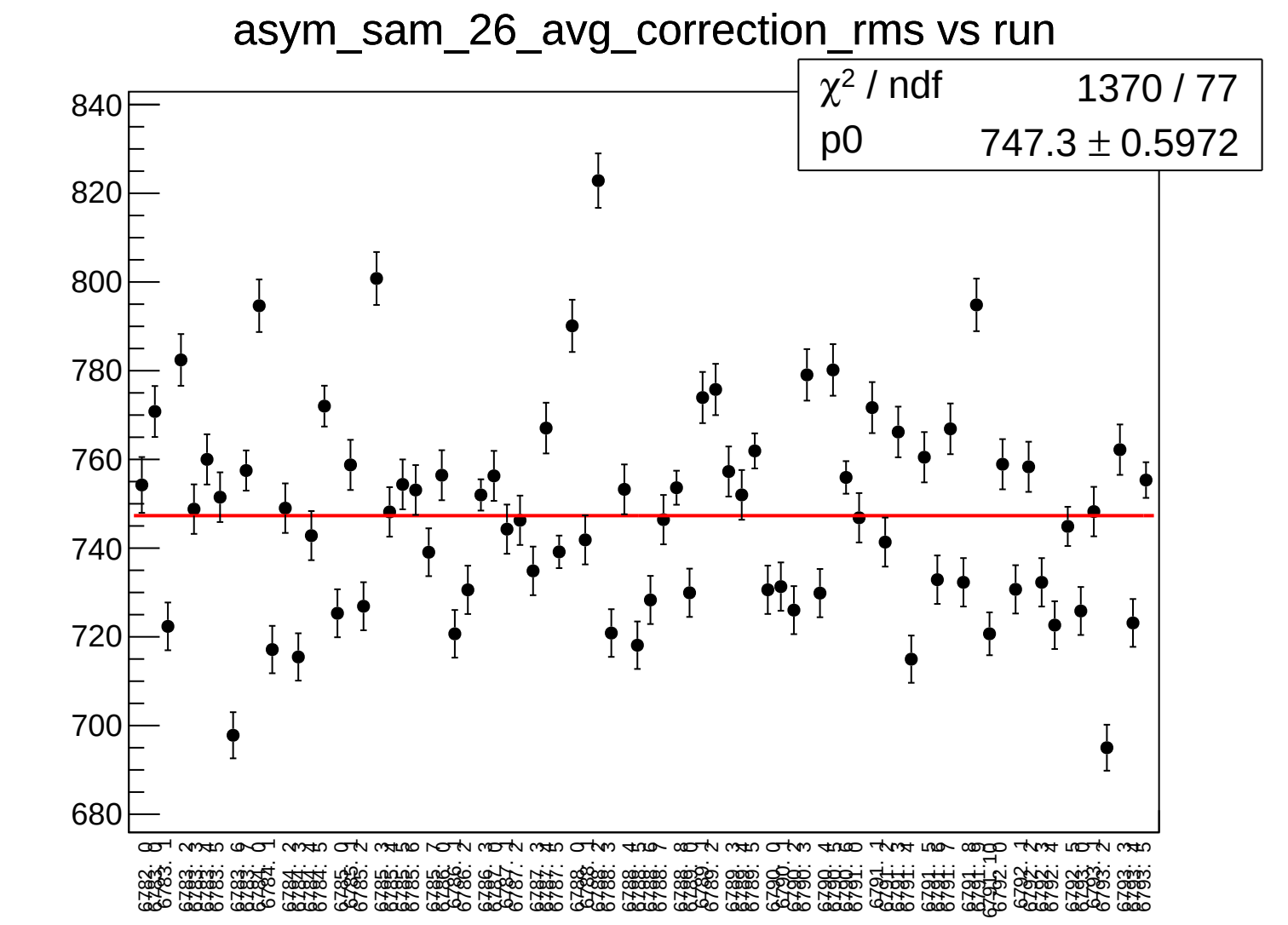

dit_asym_sam_26_avg_mean vs run
χ² / ndf 65.2 / 77
p0 273.7 ± 139.4
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 37.01
Std Dev 50.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

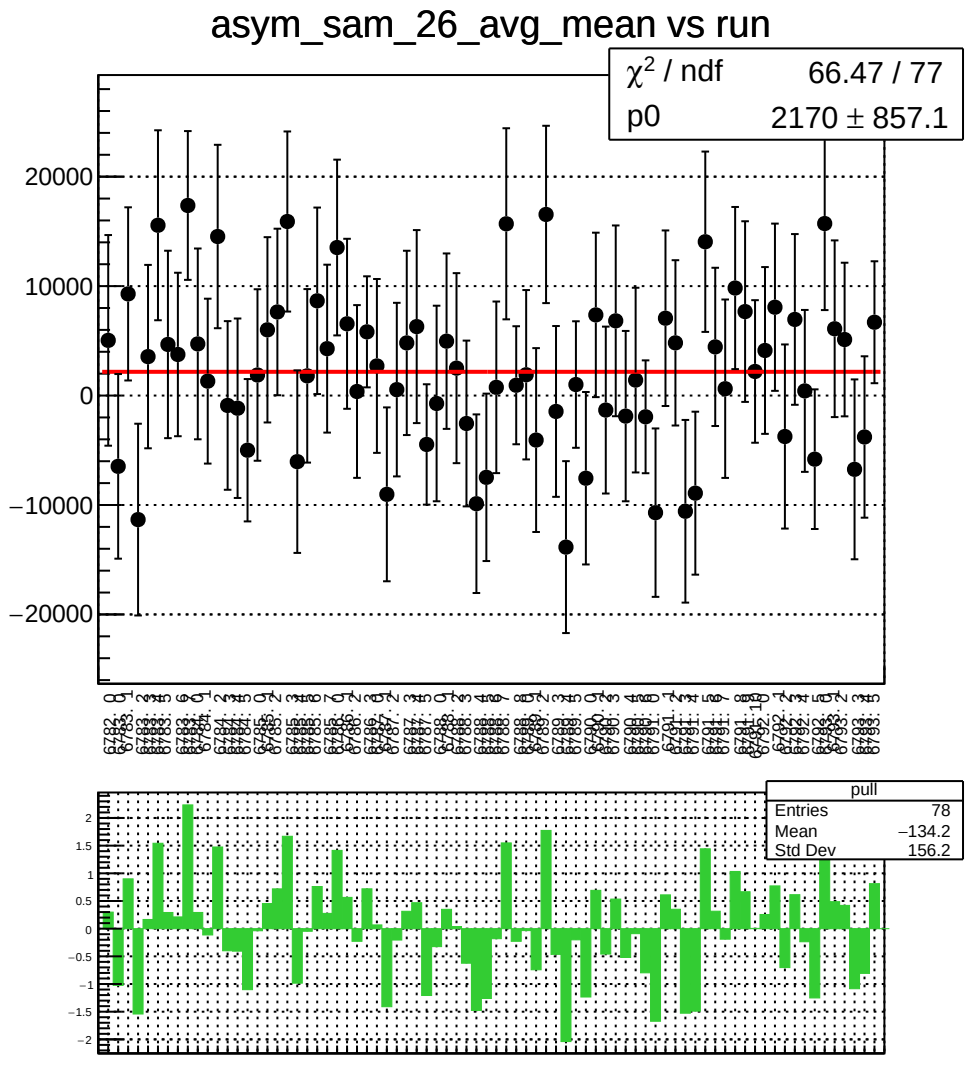

pull1D
Entries 78
Mean 0.02661
Std Dev 0.9139
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

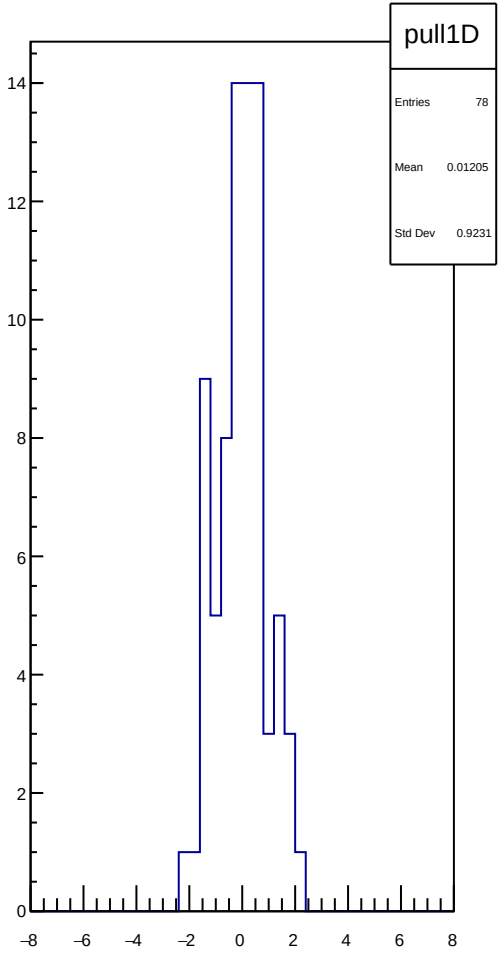

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 5831 / 77
p0 123.2 ± 0.09859
150
145
140
135
130
125
120
115
110

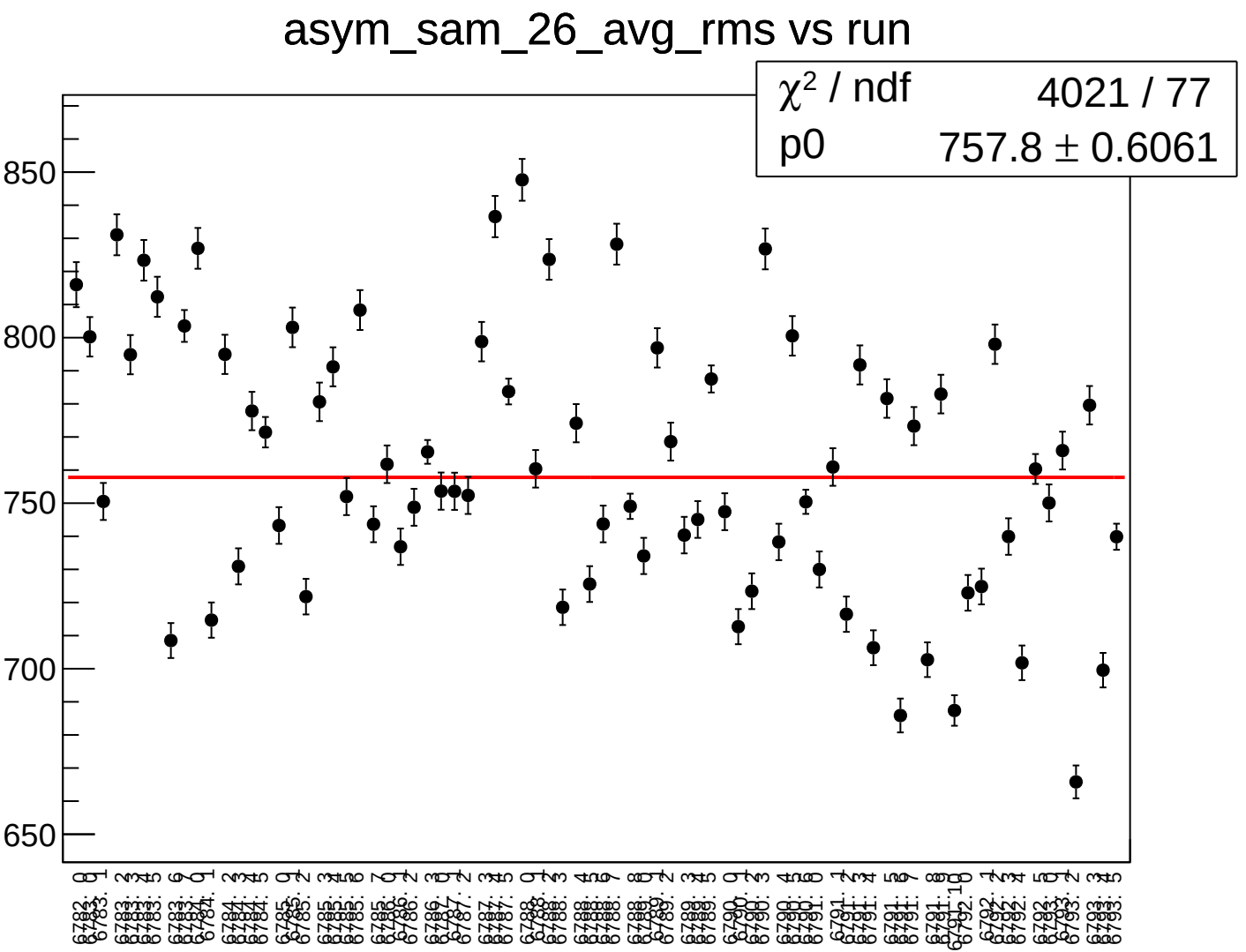

asym_sam_26_avg_correction_mean vs run
χ² / ndf 67.58 / 77
p0 −1931 ± 844.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −340.2
Std Dev 366.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

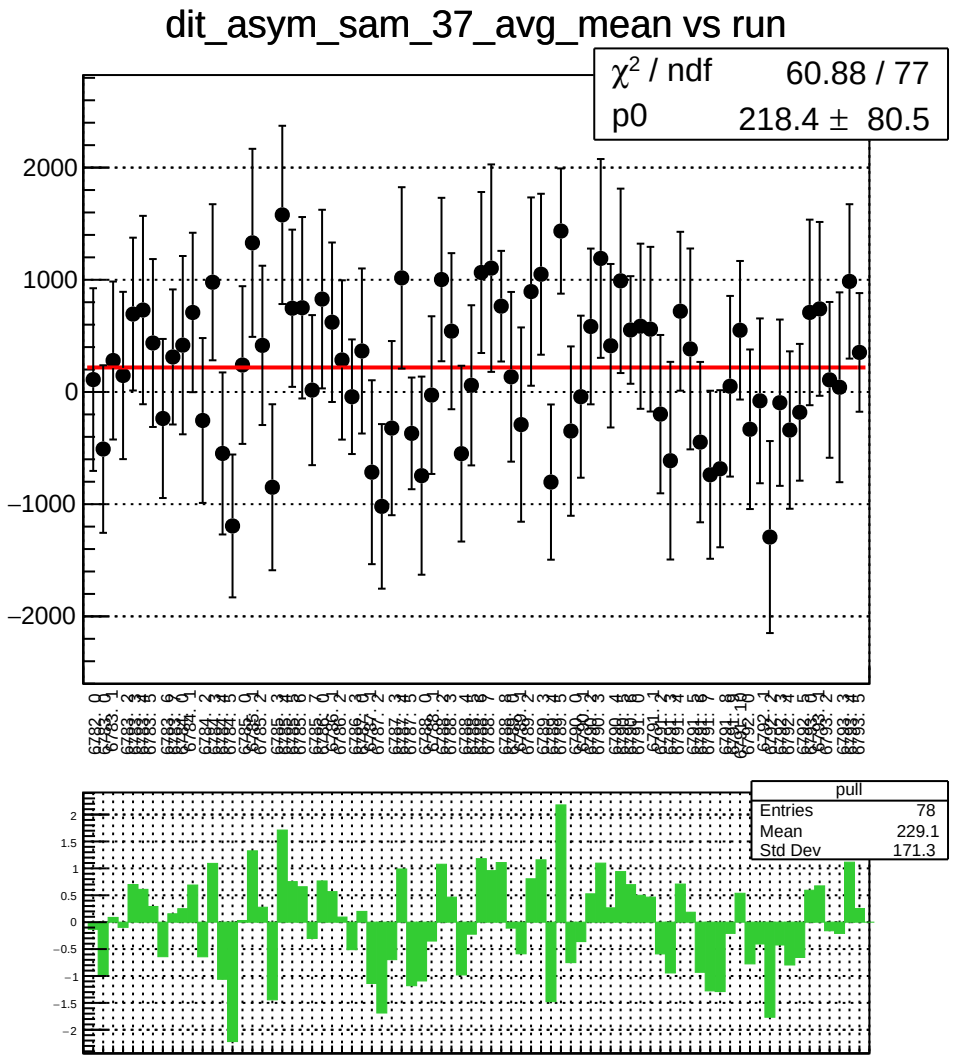

pull1D
Entries 78
Mean −0.005806
Std Dev 0.9308
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

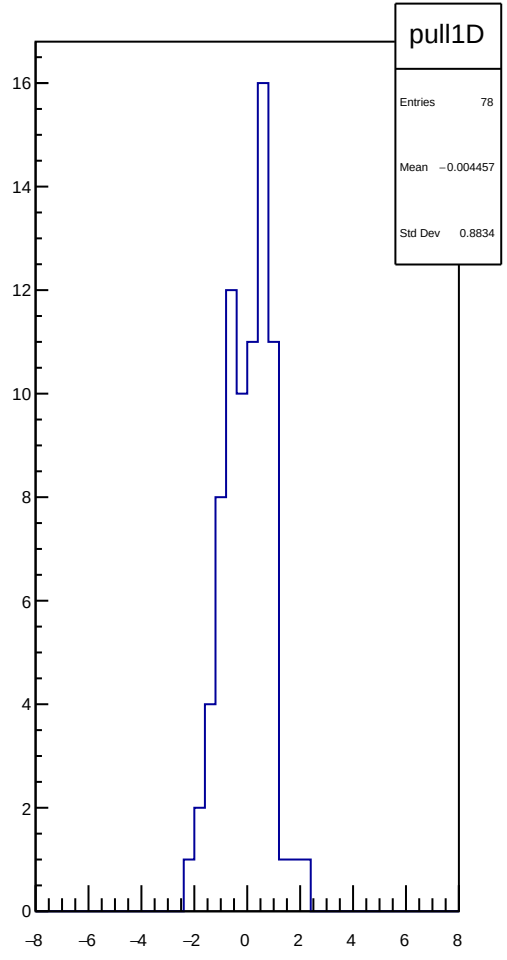

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1370 / 77
p0 747.3 ± 0.5972
840
820
800
780
760
740
720
700
680

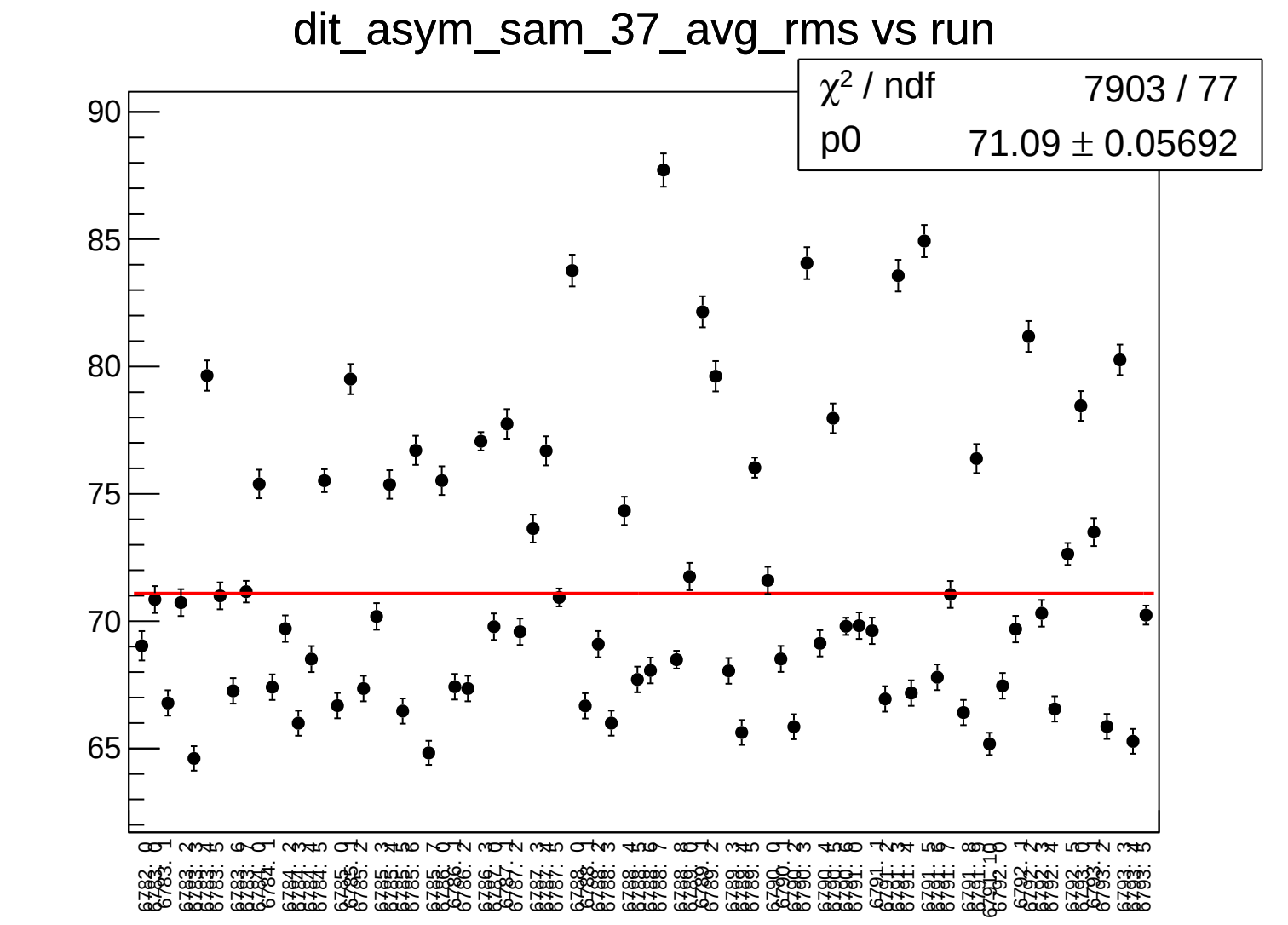

asym_sam_26_avg_mean vs run
χ² / ndf 66.47 / 77
p0 2170 ± 857.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −134.2
Std Dev 156.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

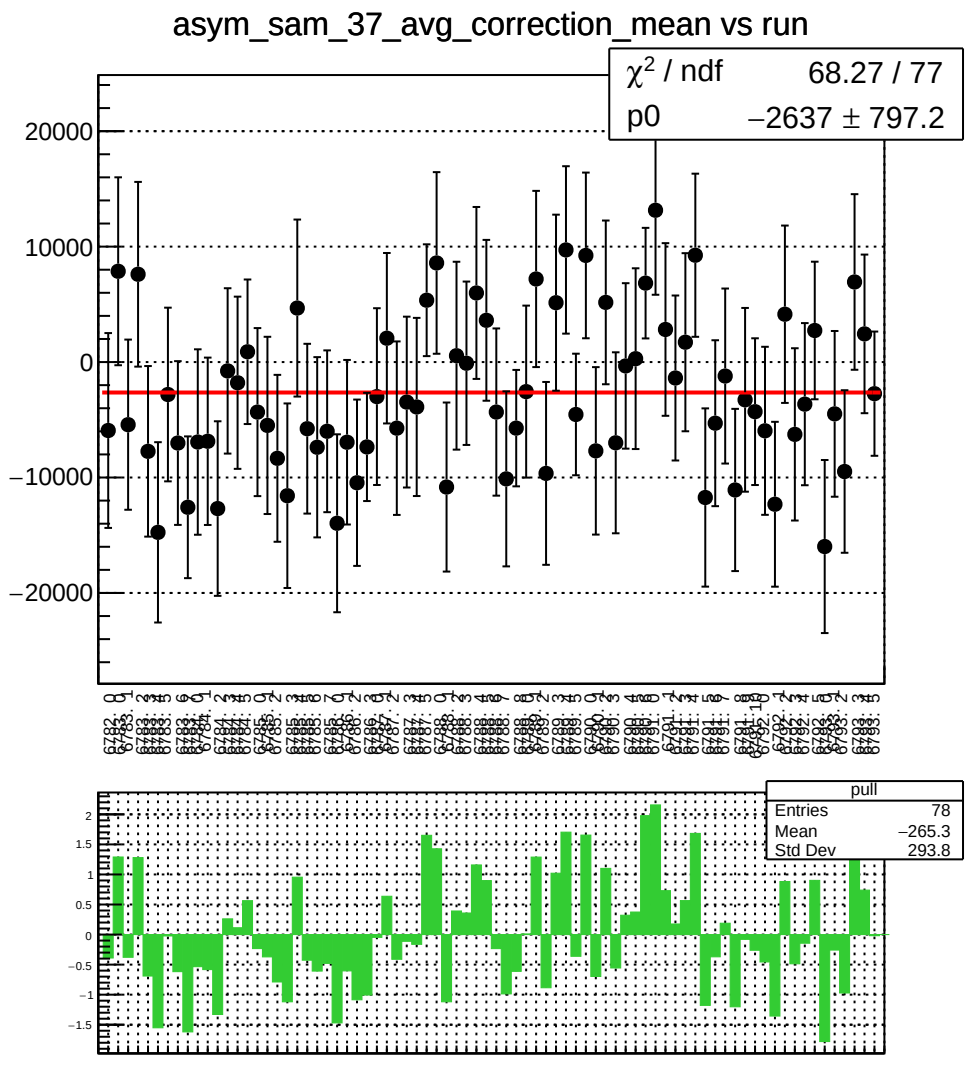

pull1D
Entries 78
Mean 0.01205
Std Dev 0.9231
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

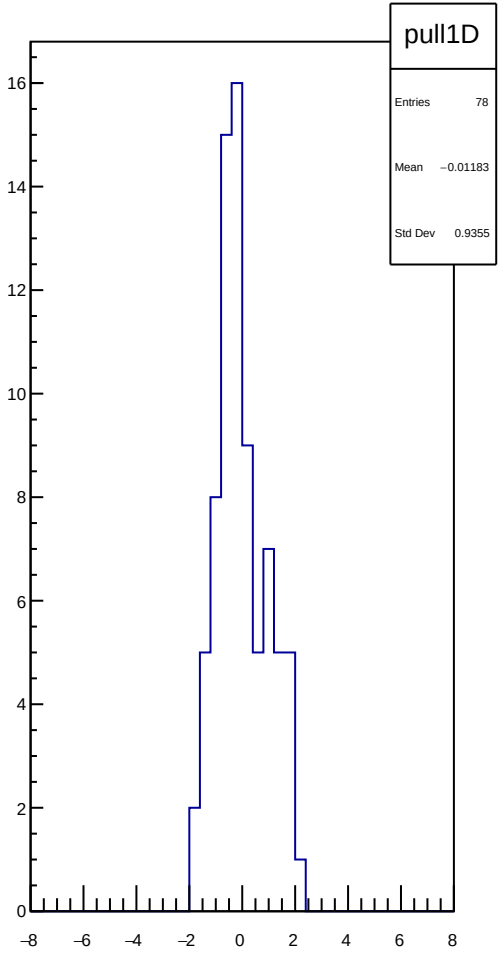

asym_sam_26_avg_rms vs run
χ² / ndf 4021 / 77
p0 757.8 ± 0.6061
850
800
750
700
650

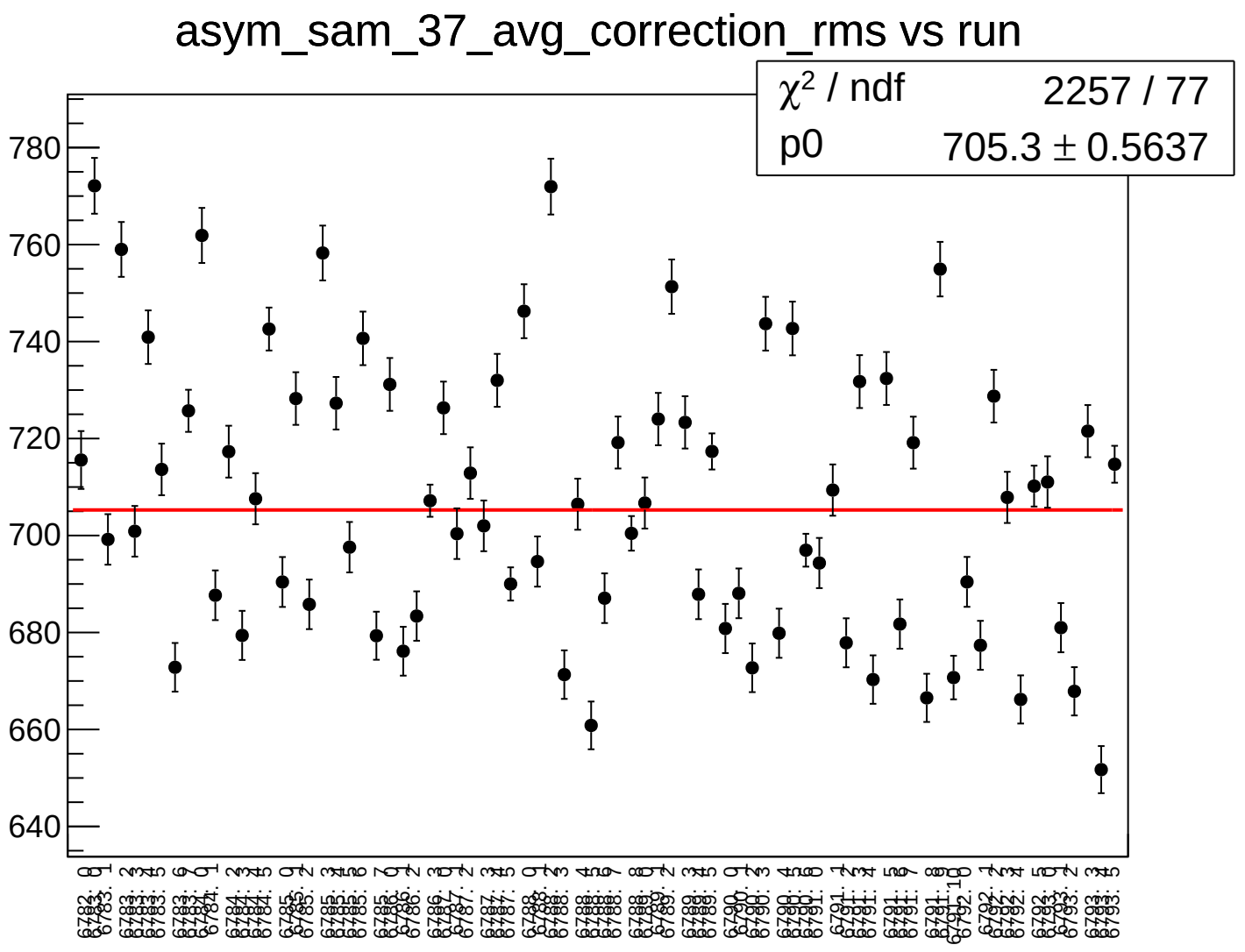

dit_asym_sam_37_avg_mean vs run
χ² / ndf 60.88 / 77
p0 218.4 ± 80.5
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 229.1
Std Dev 171.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

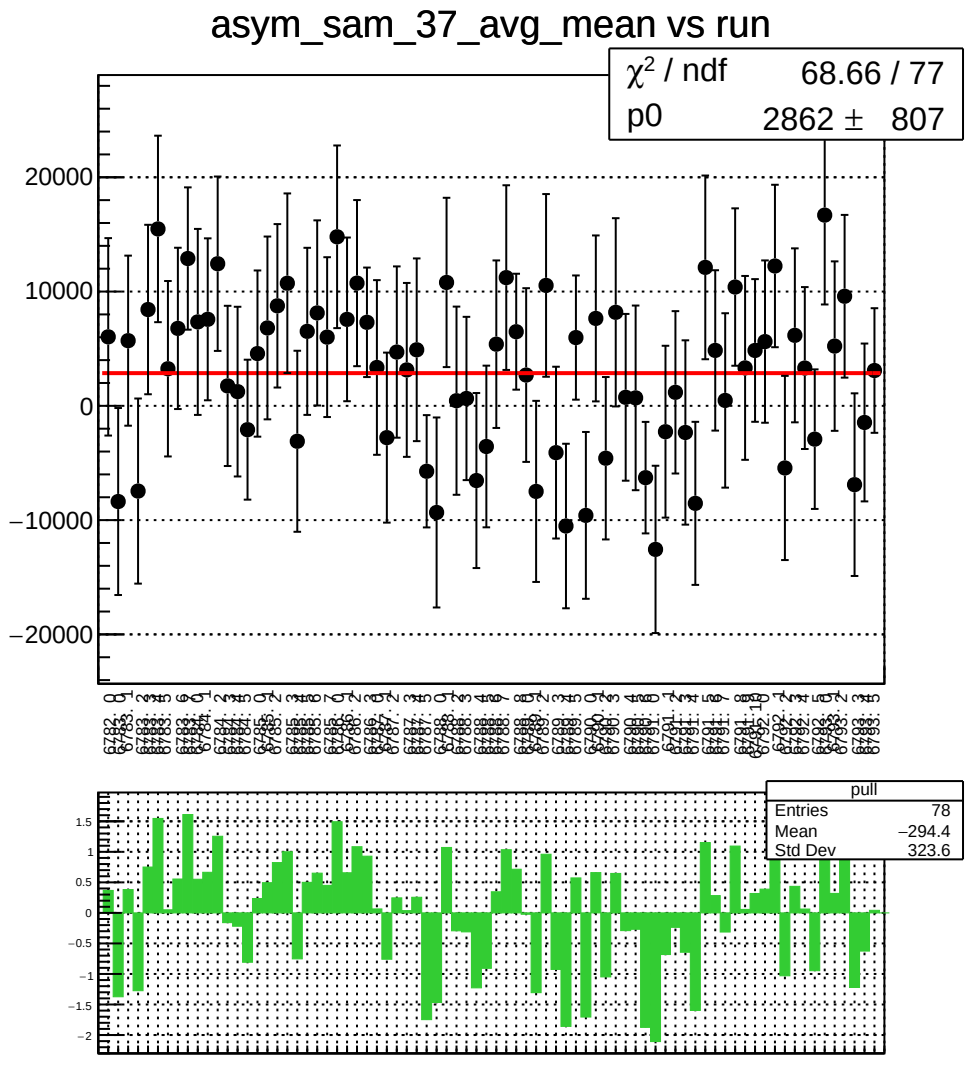

pull1D
Entries 78
Mean −0.004457
Std Dev 0.8834
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

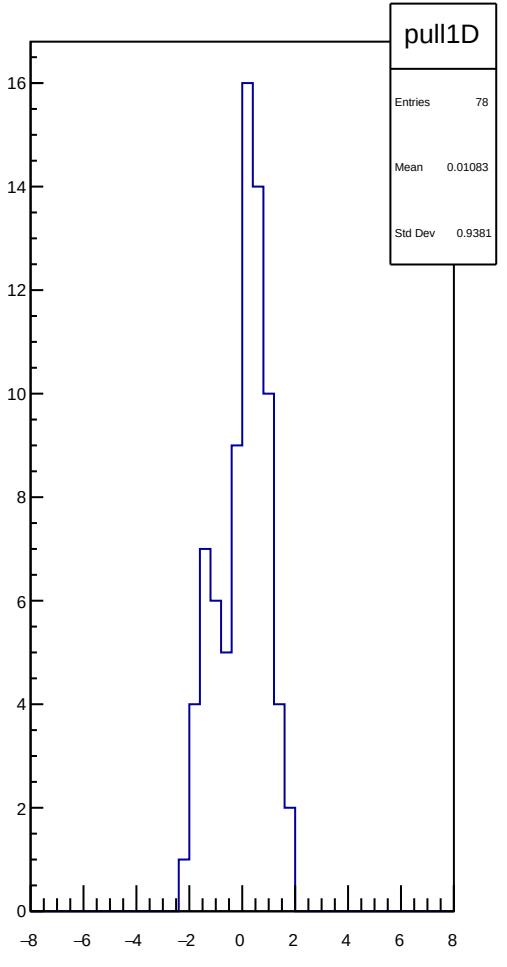

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 7903 / 77
p0 71.09 ± 0.05692
90
85
80
75
70
65

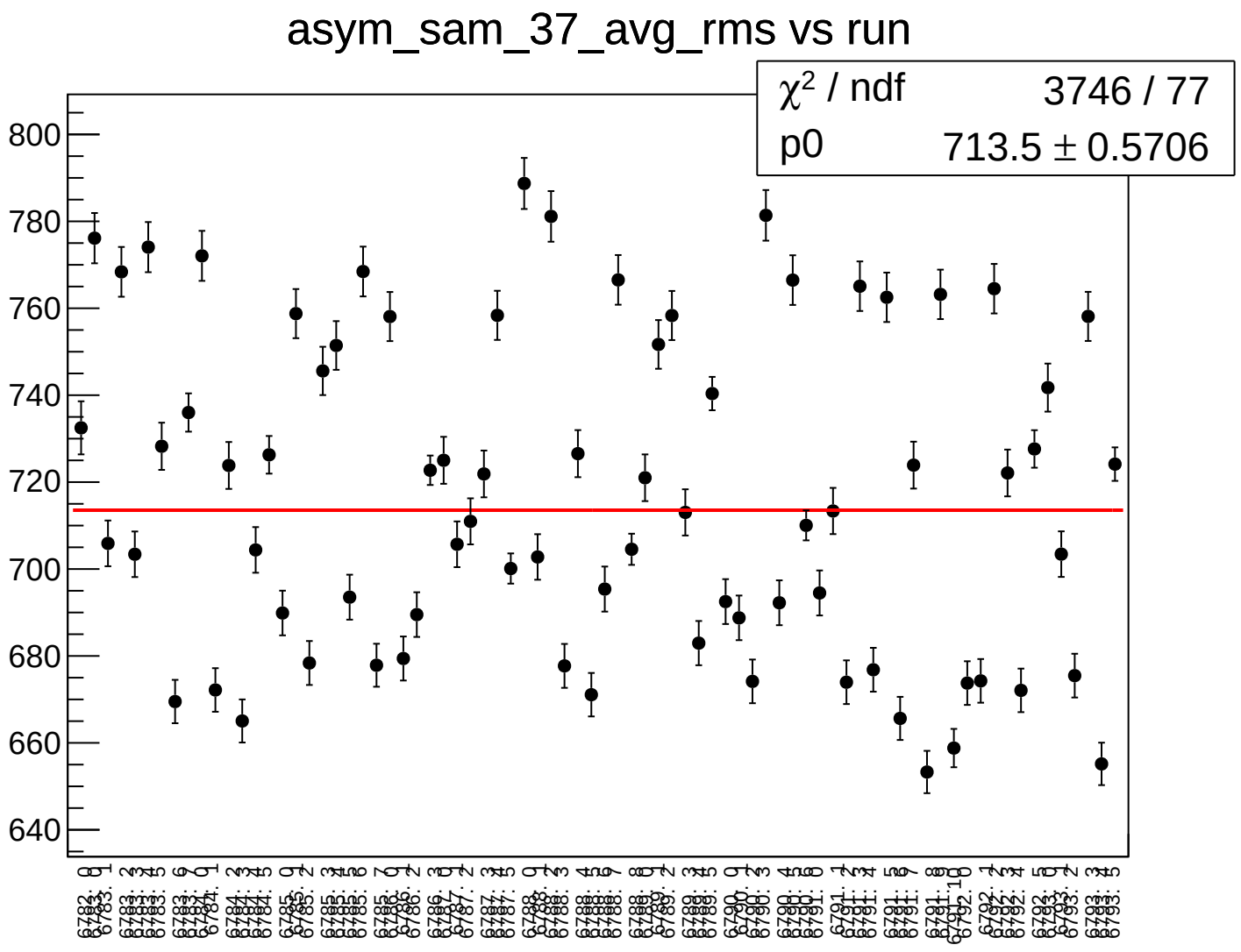

asym_sam_37_avg_correction_mean vs run
χ² / ndf 68.27 / 77
p0 −2637 ± 797.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −265.3
Std Dev 293.8
2
1.5
1
0.5
0
−0.5
−1
−1.5

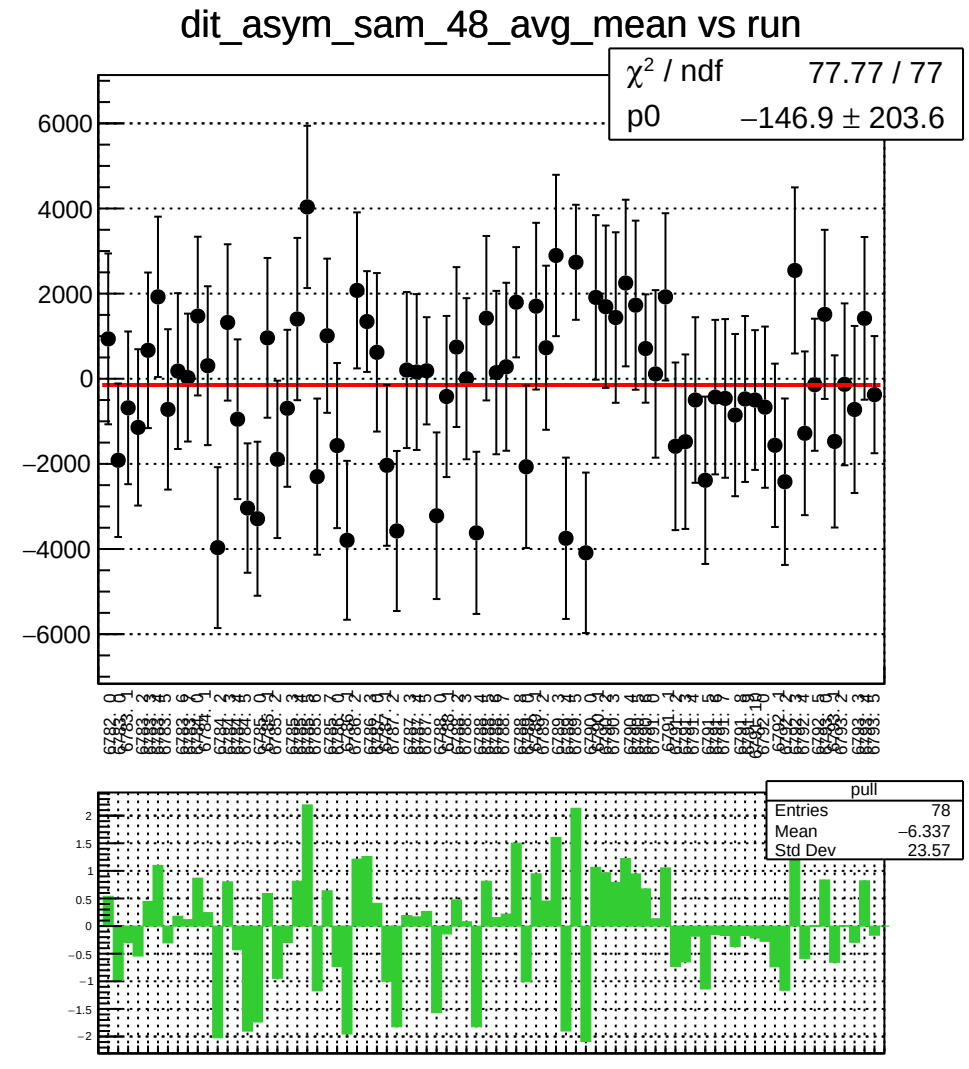

pull1D
Entries 78
Mean −0.01183
Std Dev 0.9355
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

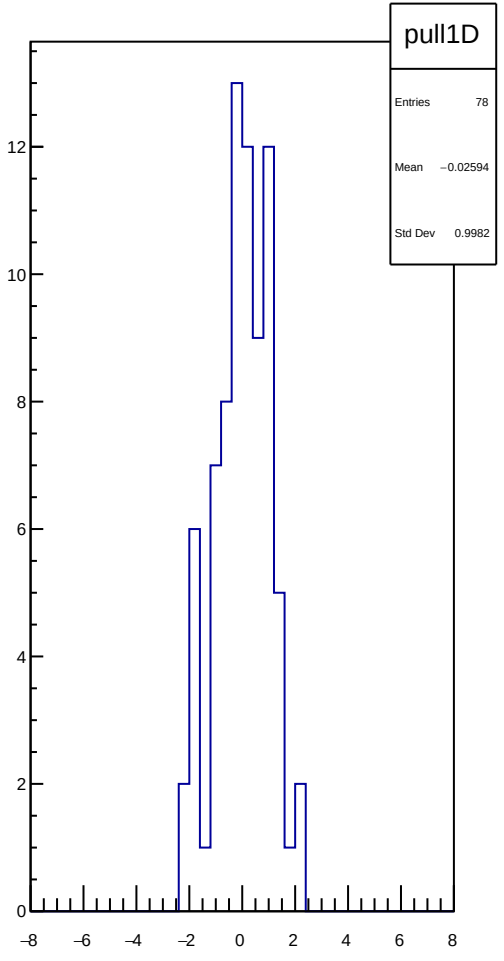

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2257 / 77
p0 705.3 ± 0.5637
780
760
740
720
700
680
660
640

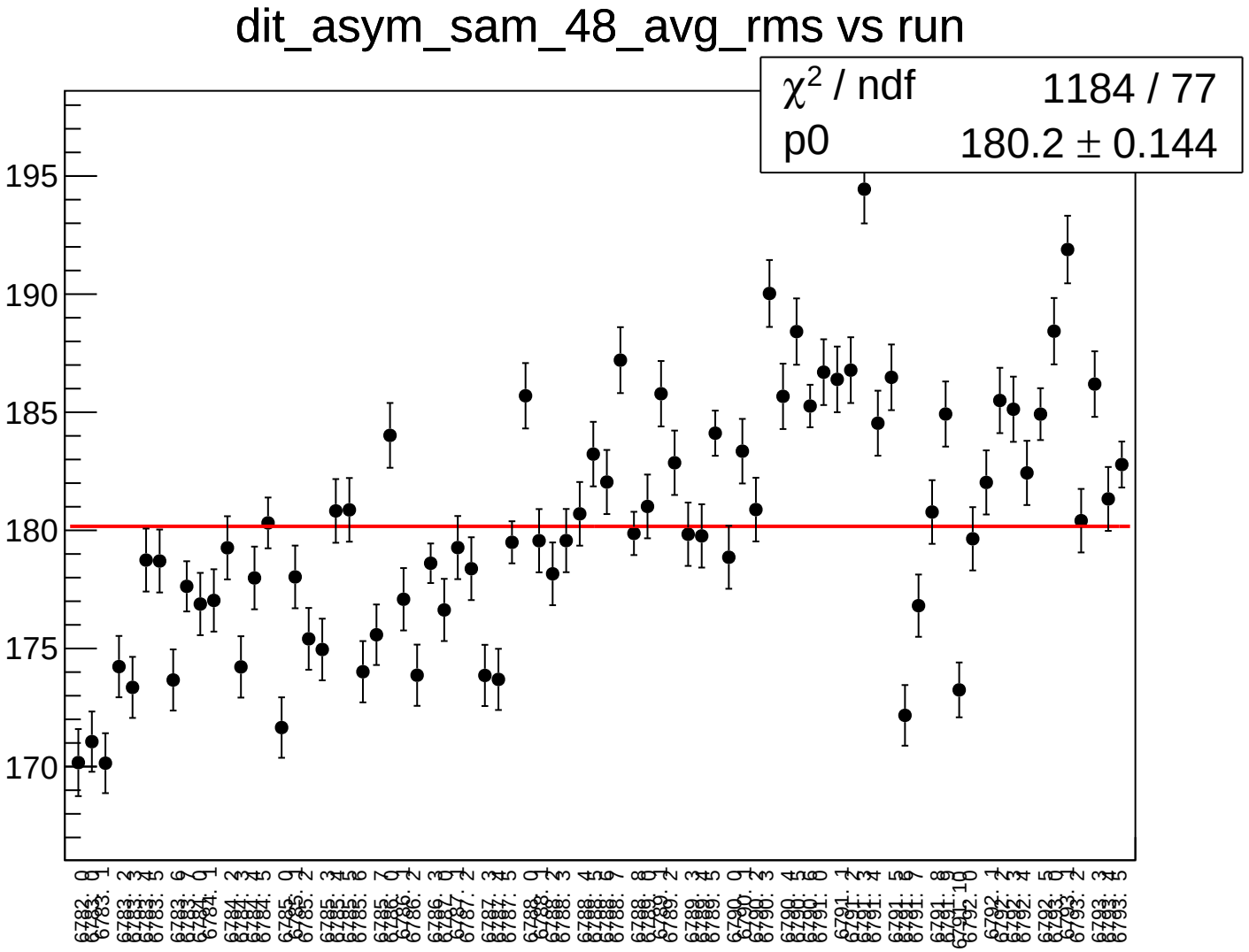

asym_sam_37_avg_mean vs run
χ² / ndf 68.66 / 77
p0 2862 ± 807
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −294.4
Std Dev 323.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

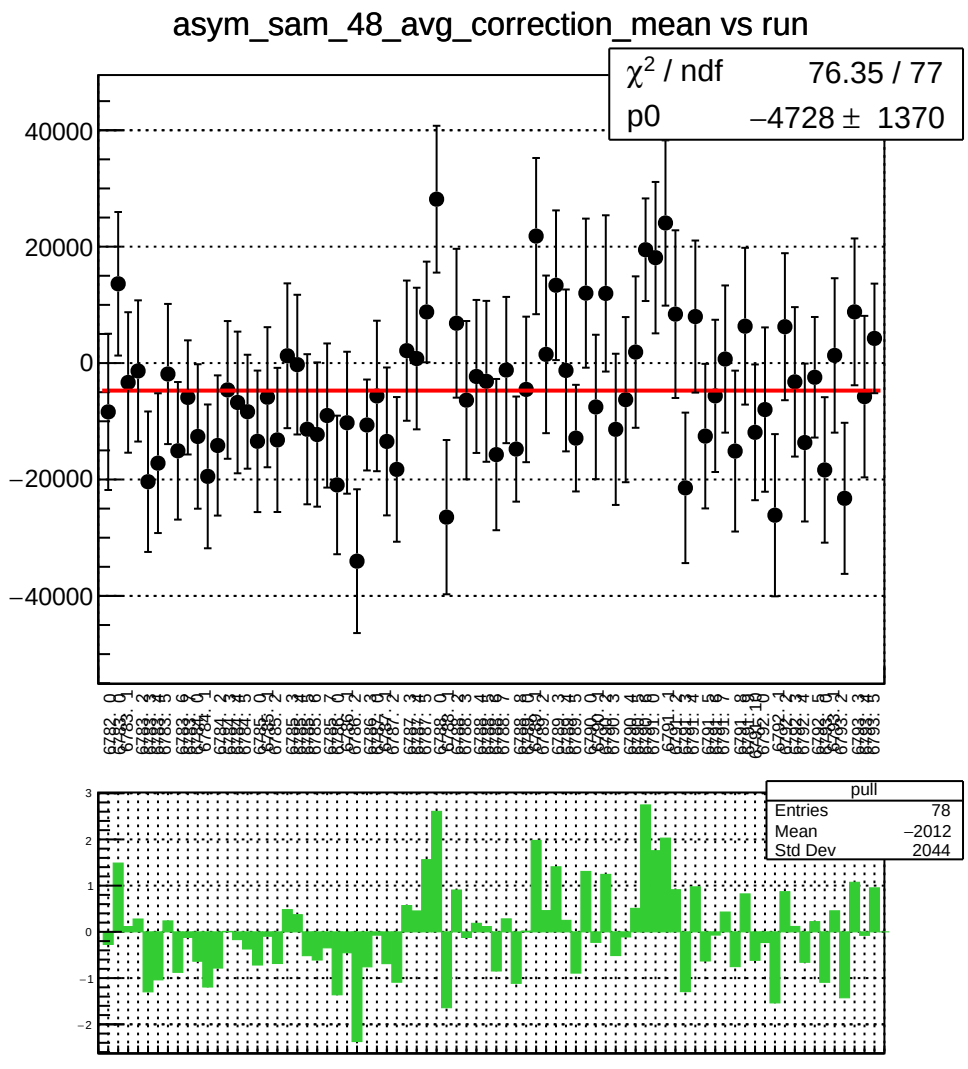

pull1D
Entries 78
Mean 0.01083
Std Dev 0.9381
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

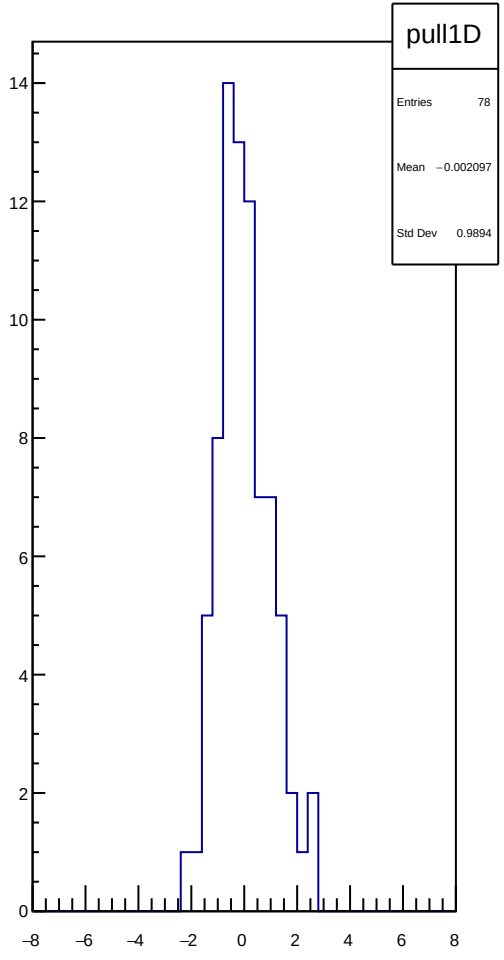

asym_sam_37_avg_rms vs run
χ² / ndf 3746 / 77
p0 713.5 ± 0.5706
800
780
760
740
720
700
680
660
640

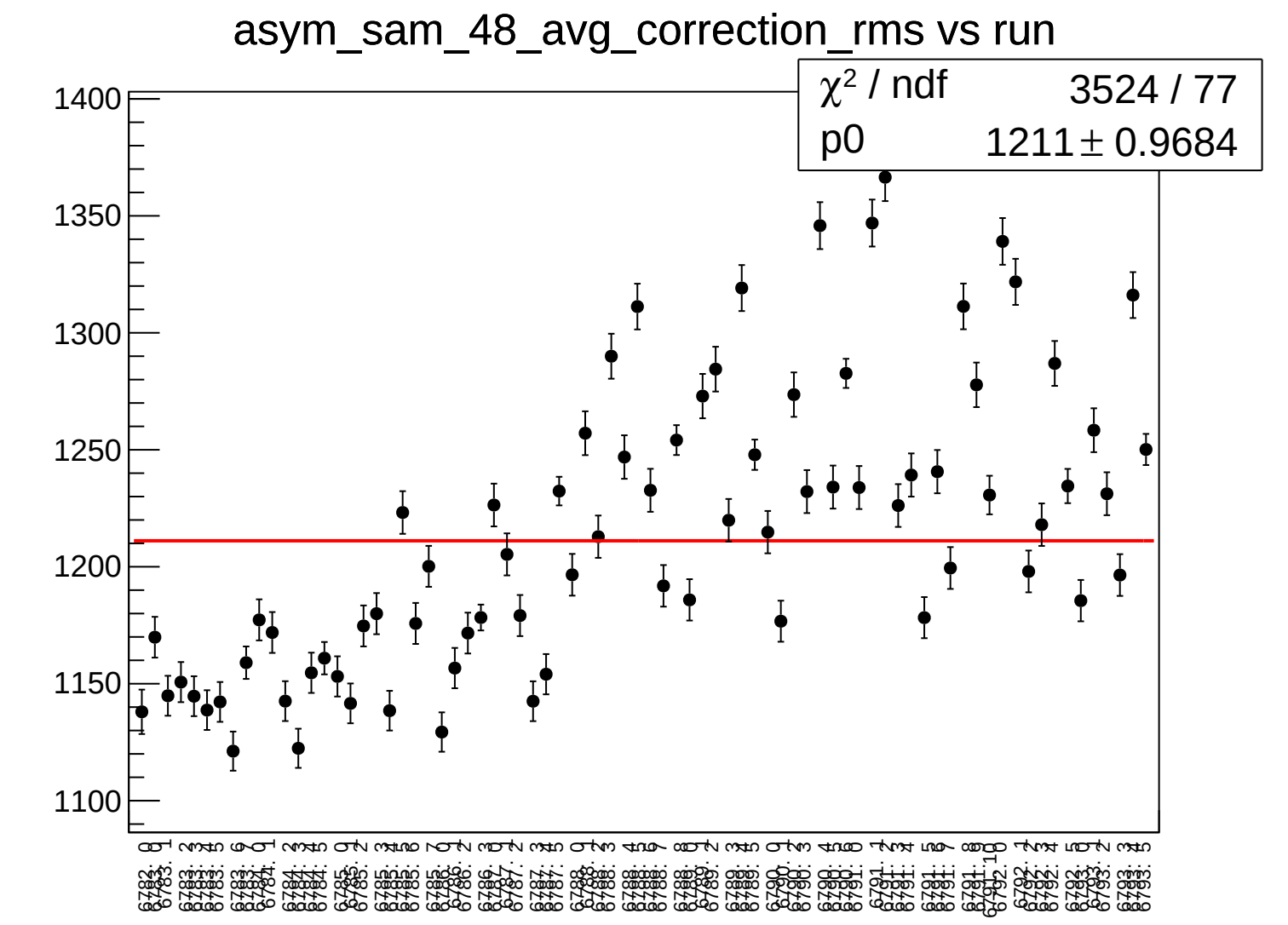

dit_asym_sam_48_avg_mean vs run
χ² / ndf 77.77 / 77
p0 −146.9 ± 203.6
pull
Entries 78
Mean −6.337
Std Dev 23.57

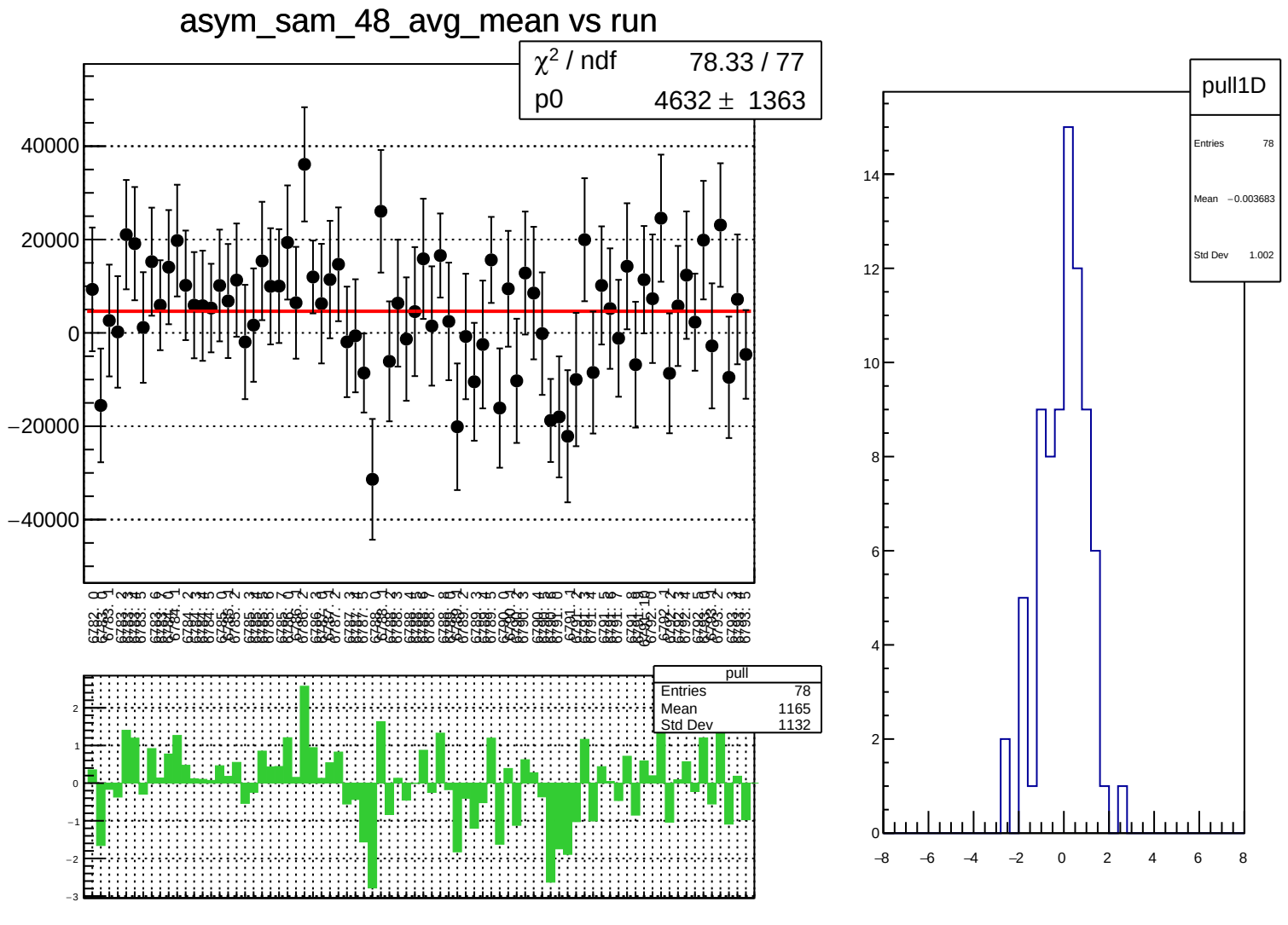

pull1D
Entries 78
Mean −0.02594
Std Dev 0.9982

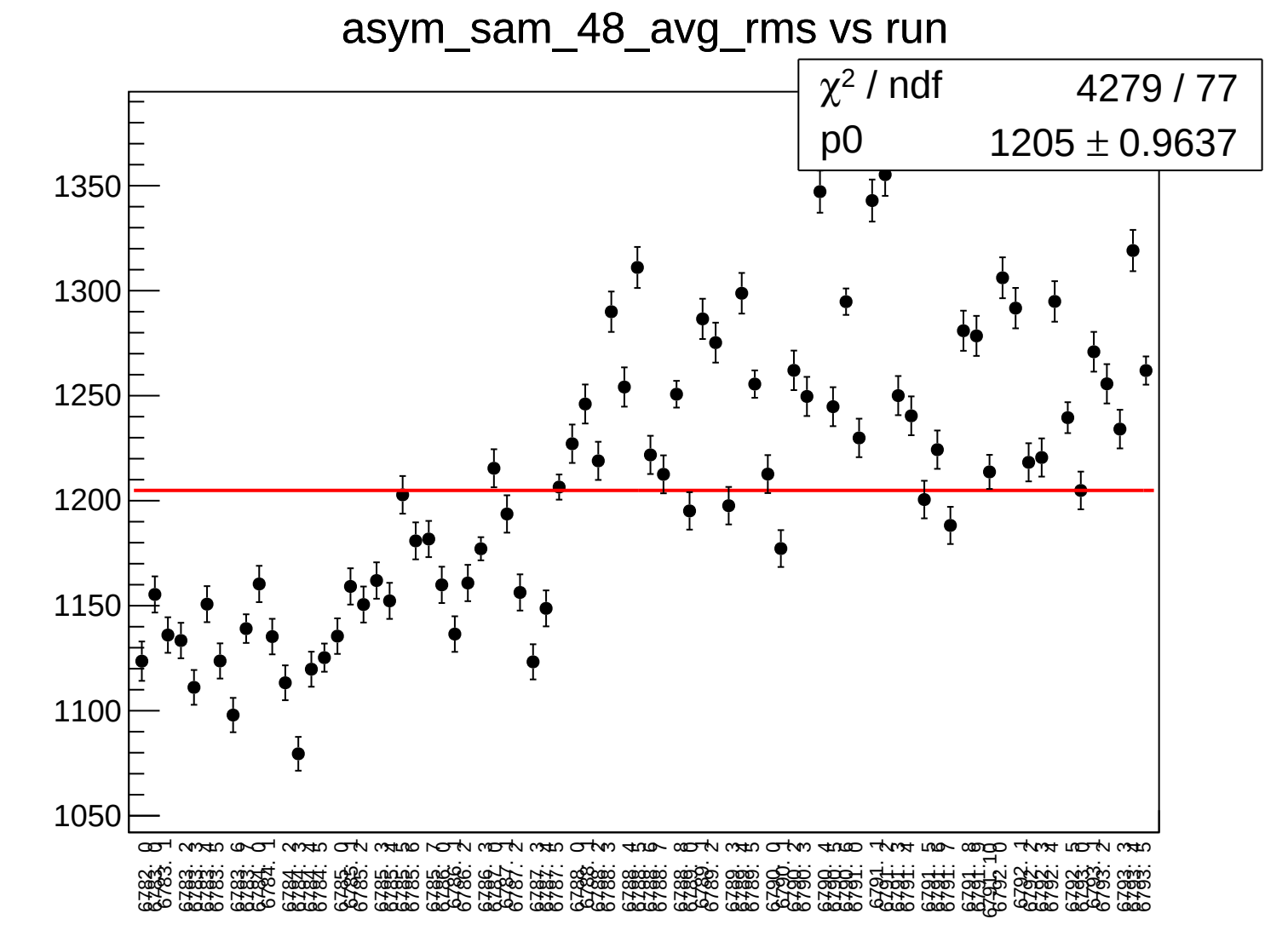

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1184 / 77
p0 180.2 ± 0.144
195
190
185
180
175
170

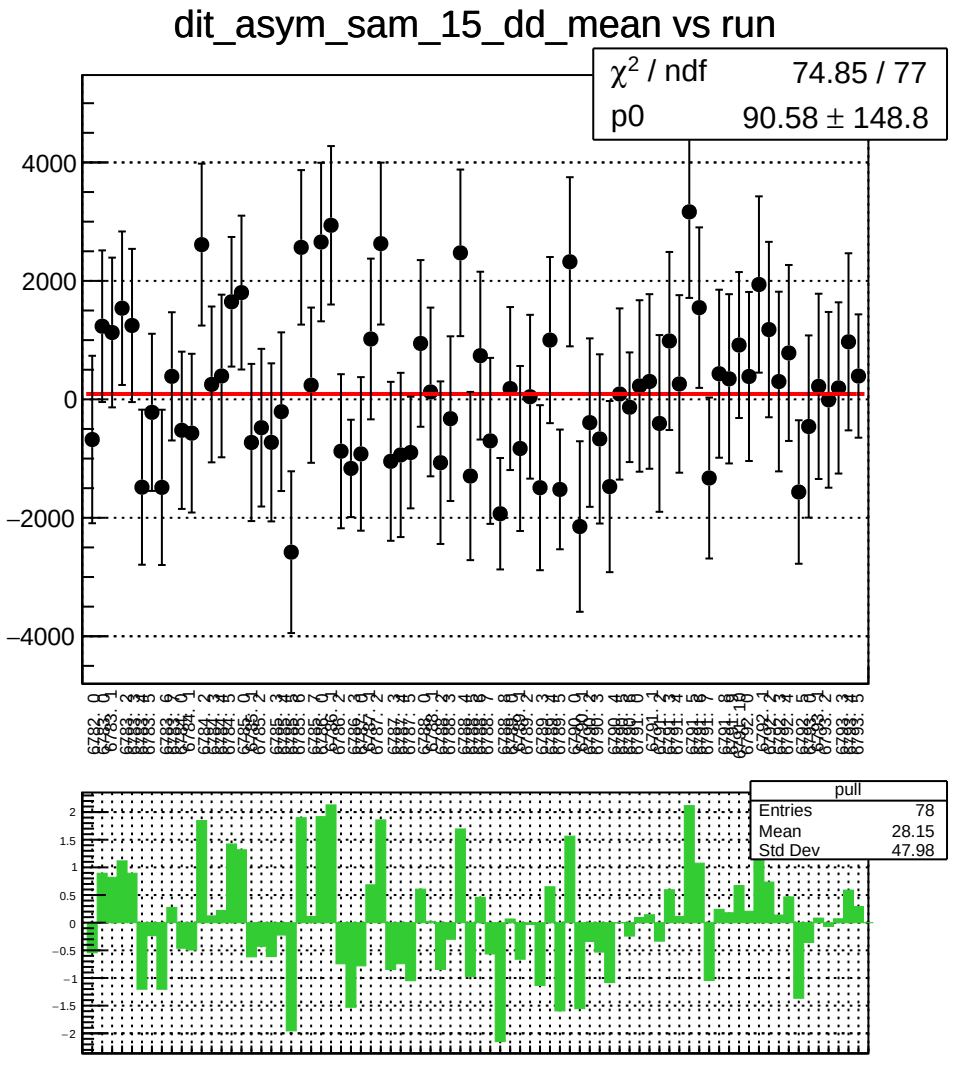

asym_sam_48_avg_correction_mean vs run
χ² / ndf 76.35 / 77
p0 −4728 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −2012
Std Dev 2044
3
2
1
0
−1
−2

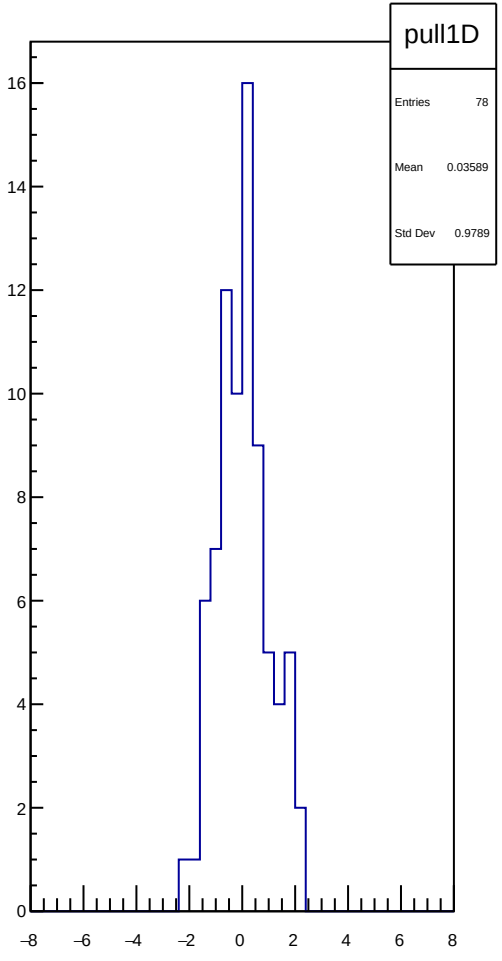

pull1D
Entries 78
Mean −0.002097
Std Dev 0.9894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

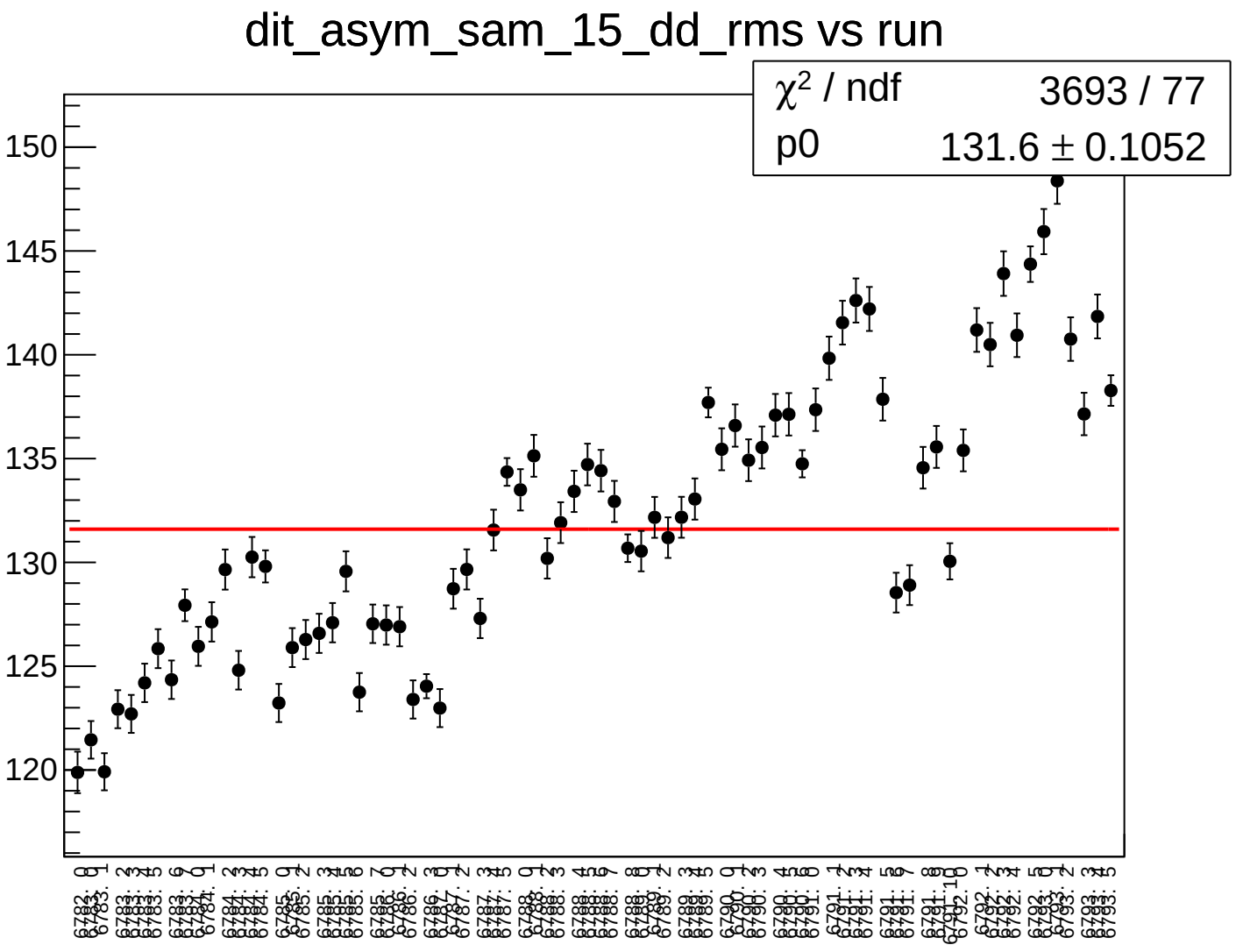

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3524 / 77
p0 1211 ± 0.9684
1400
1350
1300
1250
1200
1150
1100

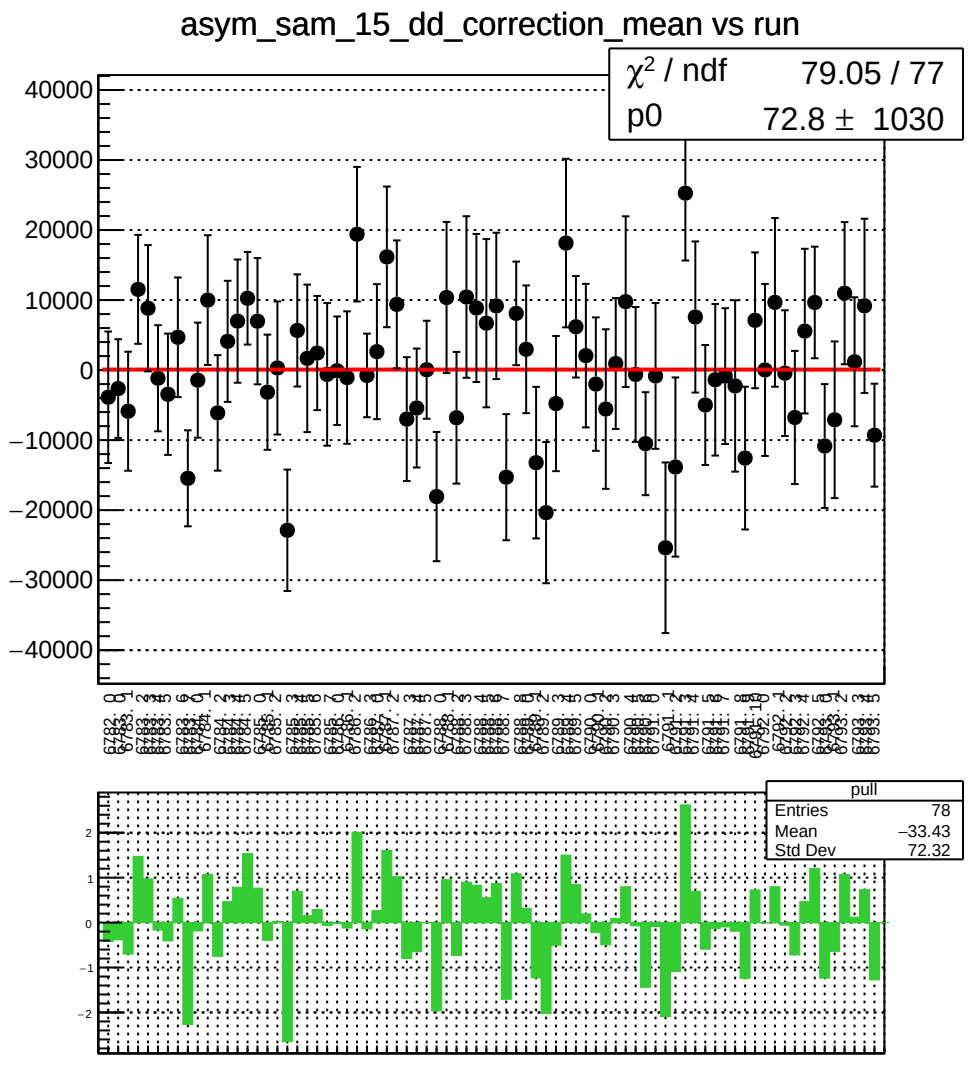

asym_sam_48_avg_mean vs run
χ² / ndf 78.33 / 77
p0 4632 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1165
Std Dev 1132
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.003683
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

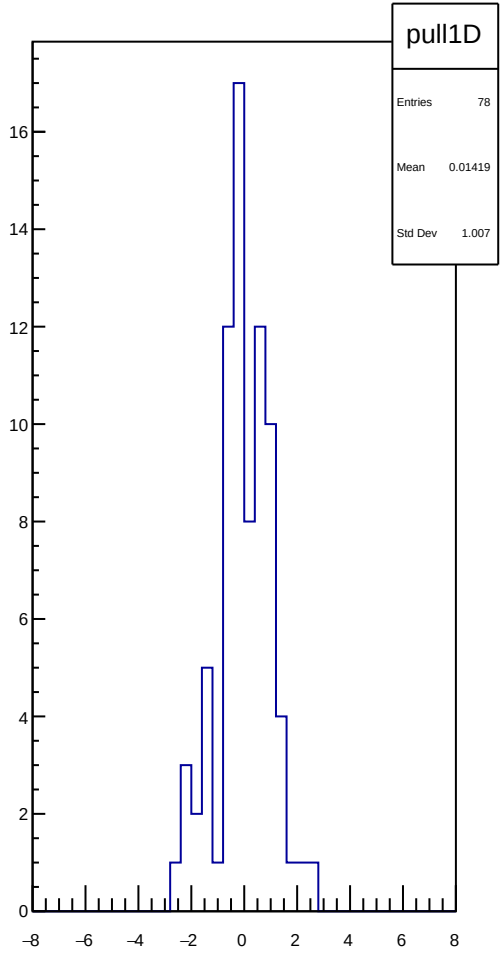

asym_sam_48_avg_rms vs run
χ² / ndf 4279 / 77
p0 1205 ± 0.9637
1350
1300
1250
1200
1150
1100
1050

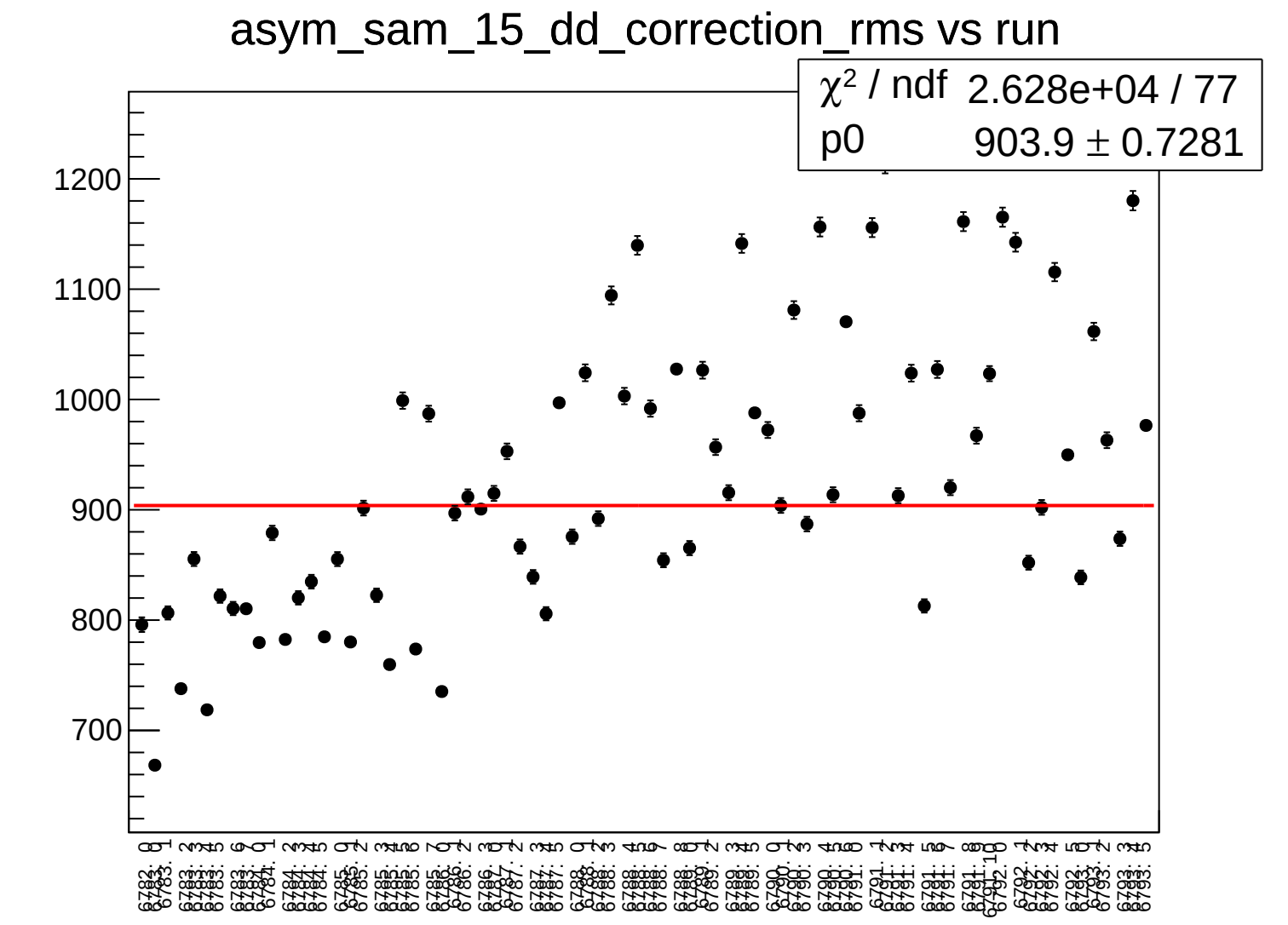

dit_asym_sam_15_dd_mean vs run
χ² / ndf 74.85 / 77
p0 90.58 ± 148.8
pull
Entries 78
Mean 28.15
Std Dev 47.98

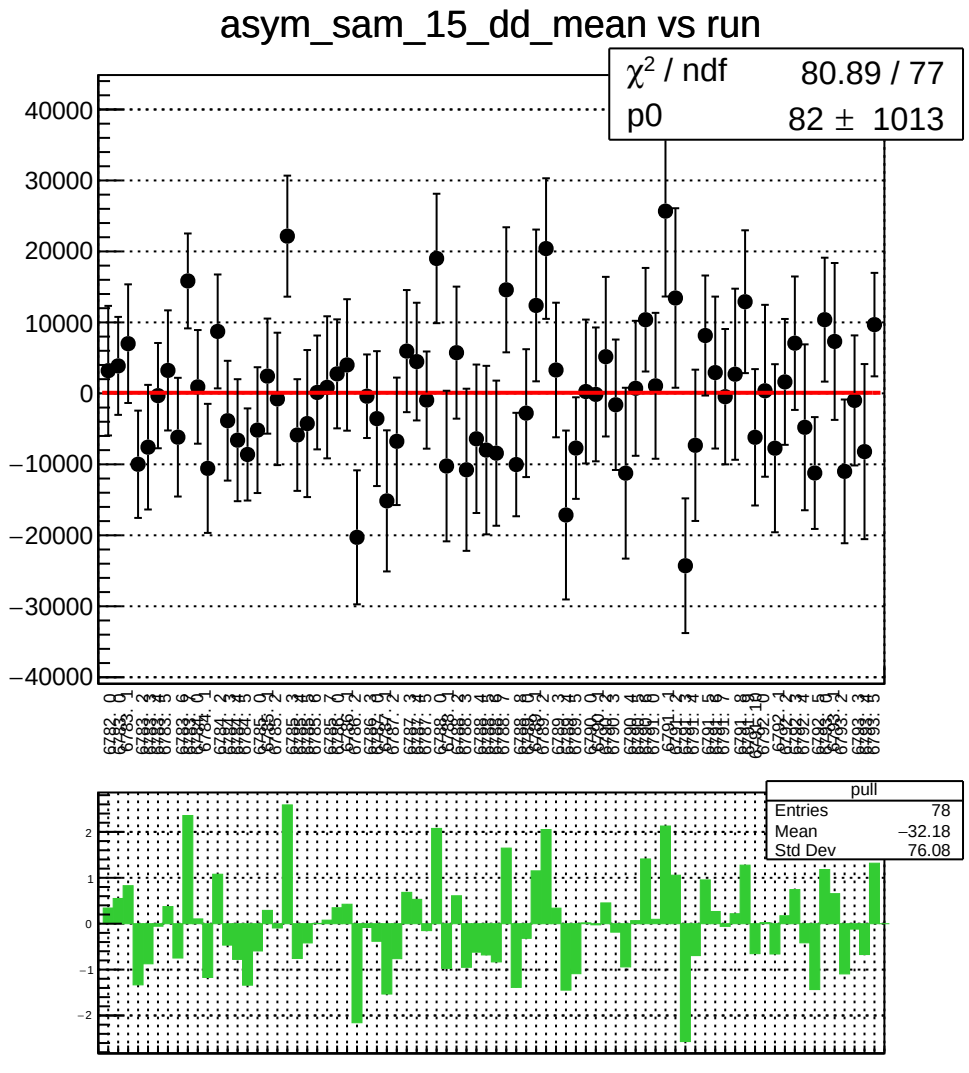

pull1D
Entries 78
Mean 0.03589
Std Dev 0.9789

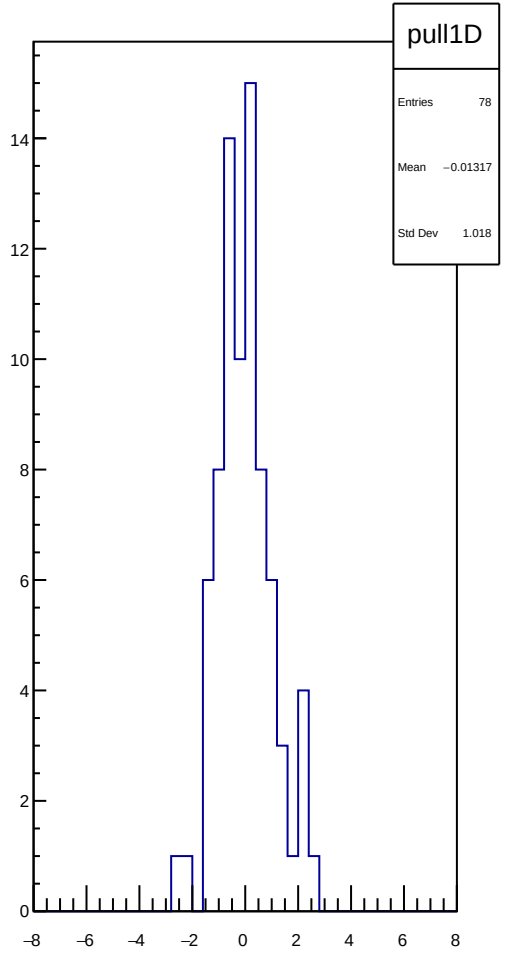

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 3693 / 77
p0 131.6 ± 0.1052
150
145
140
135
130
125
120

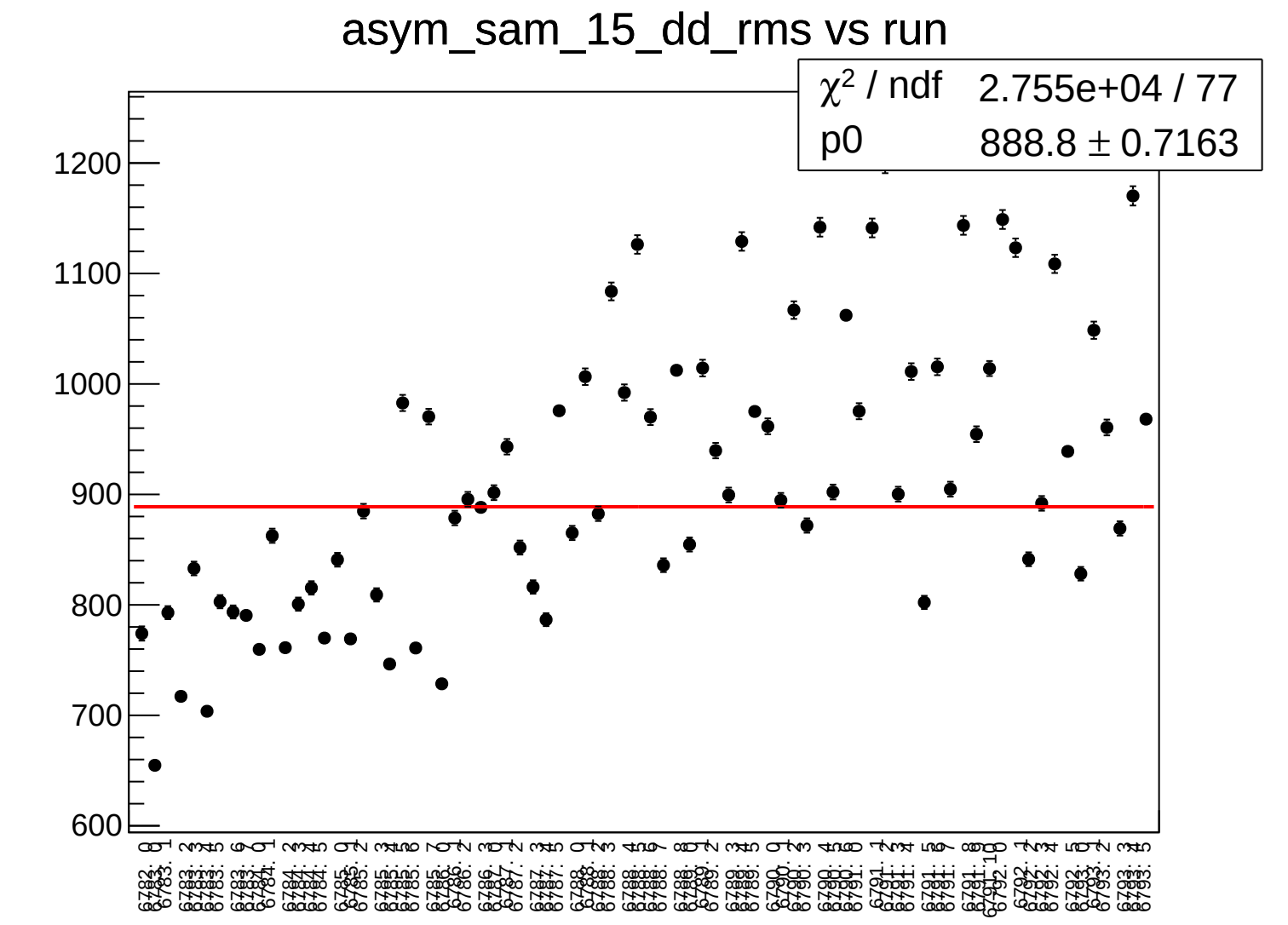

asym_sam_15_dd_correction_mean vs run
χ² / ndf 79.05 / 77
p0 72.8 ± 1030
pull
Entries 78
Mean −33.43
Std Dev 72.32

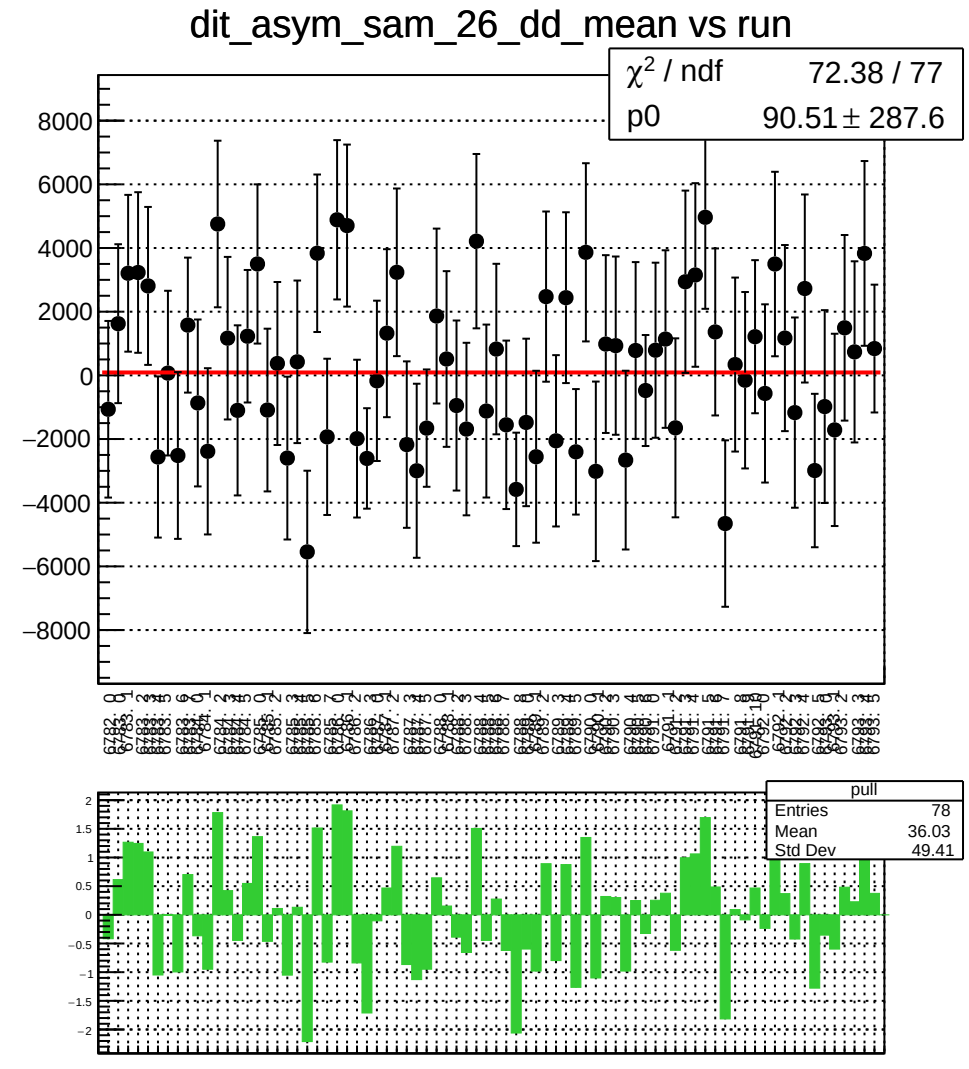

pull1D
Entries 78
Mean 0.01419
Std Dev 1.007

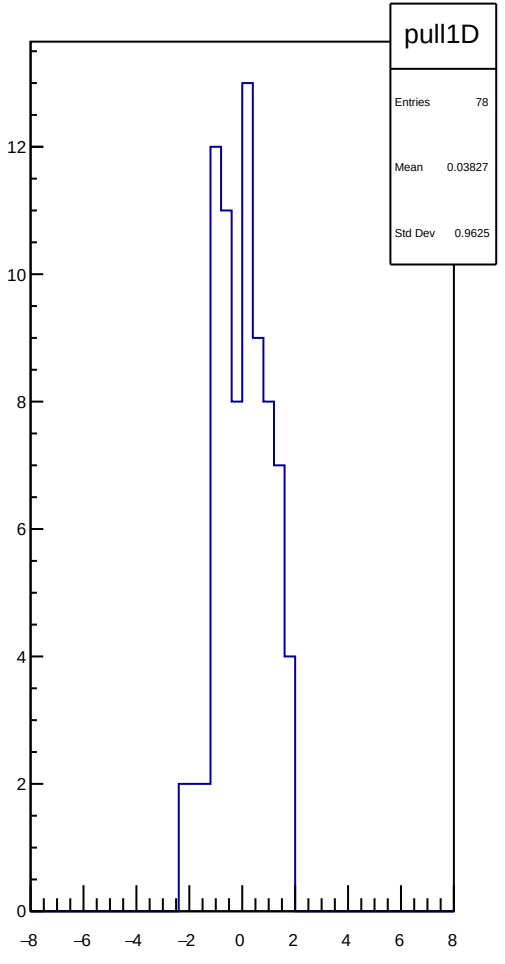

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.628e+04 / 77
p0 903.9 ± 0.7281
1200
1100
1000
900
800
700

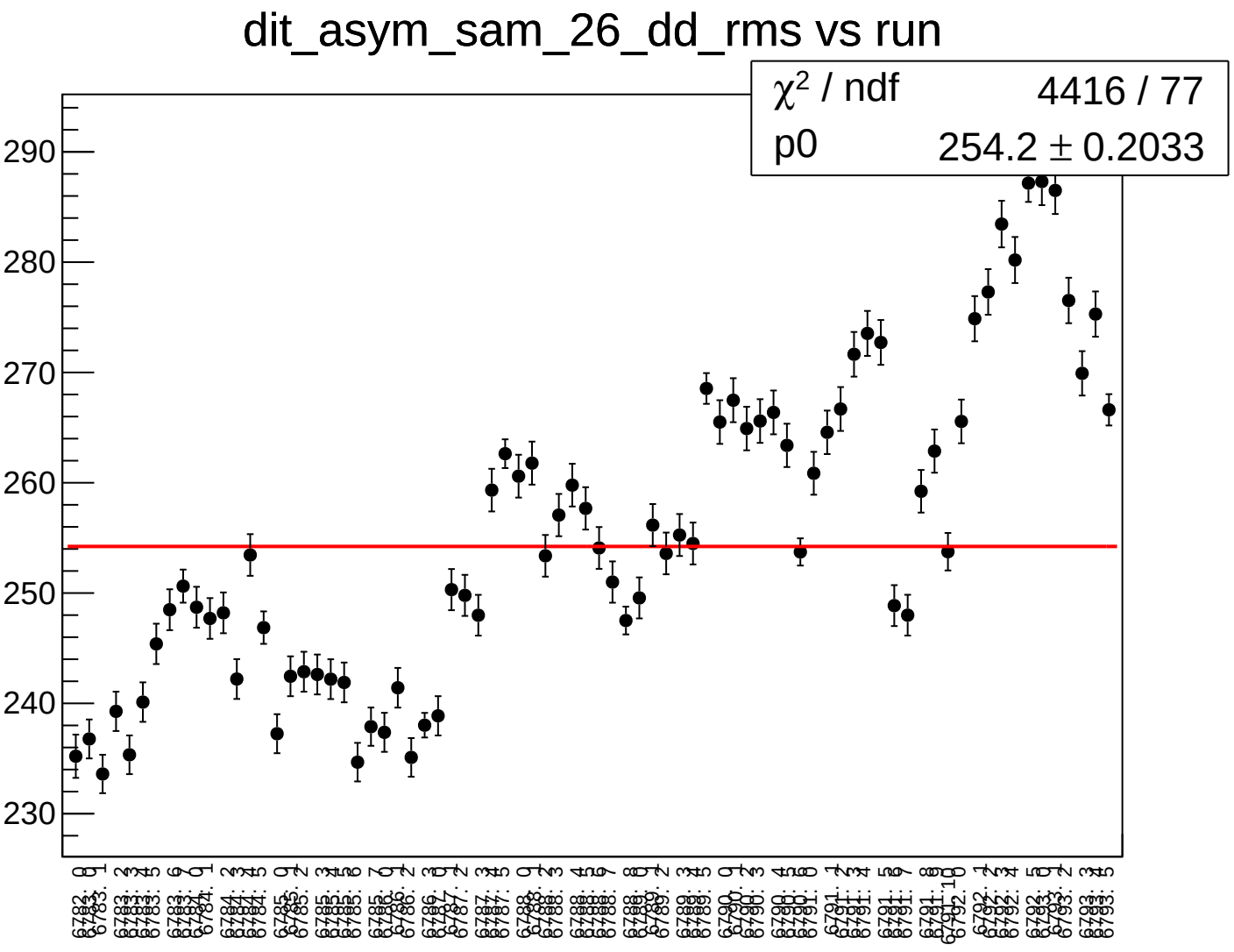

asym_sam_15_dd_mean vs run
χ² / ndf 80.89 / 77
p0 82 ± 1013
pull
Entries 78
Mean −32.18
Std Dev 76.08

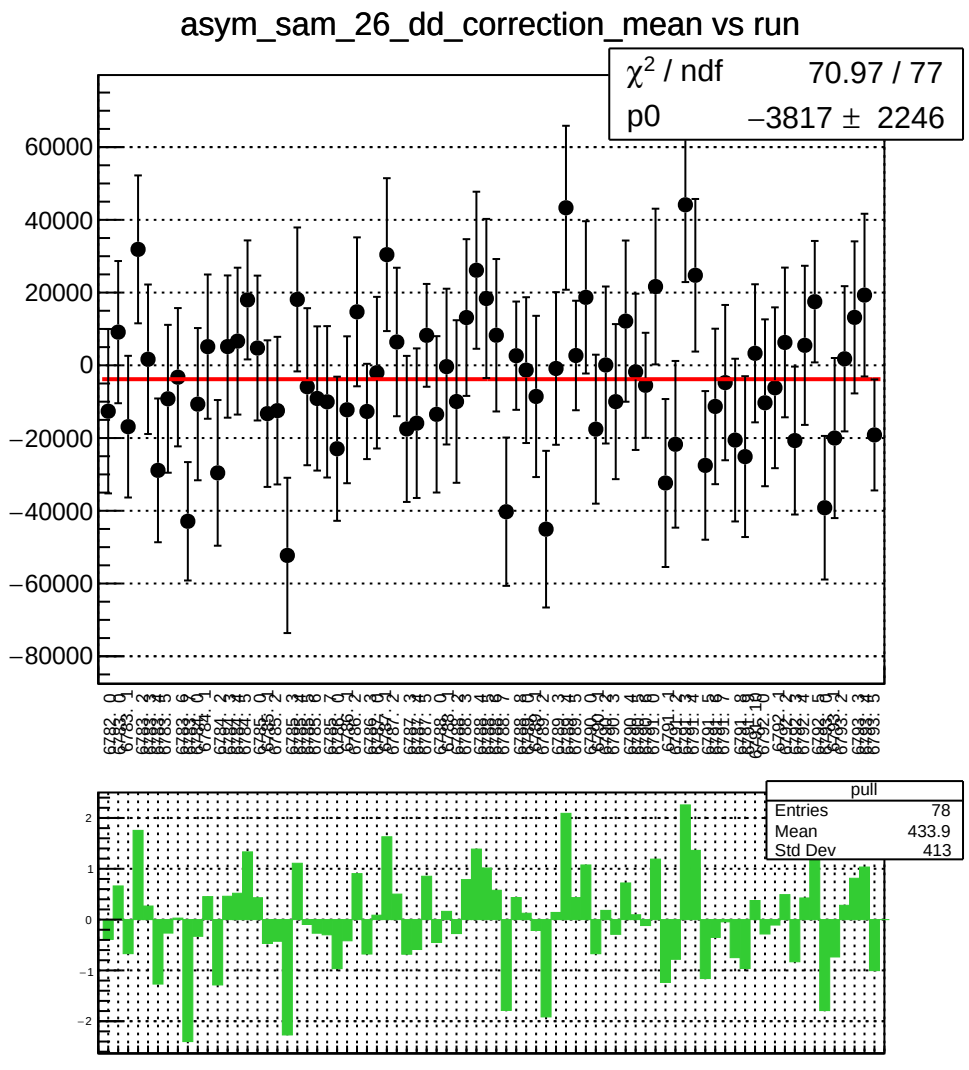

pull1D
Entries 78
Mean −0.01317
Std Dev 1.018

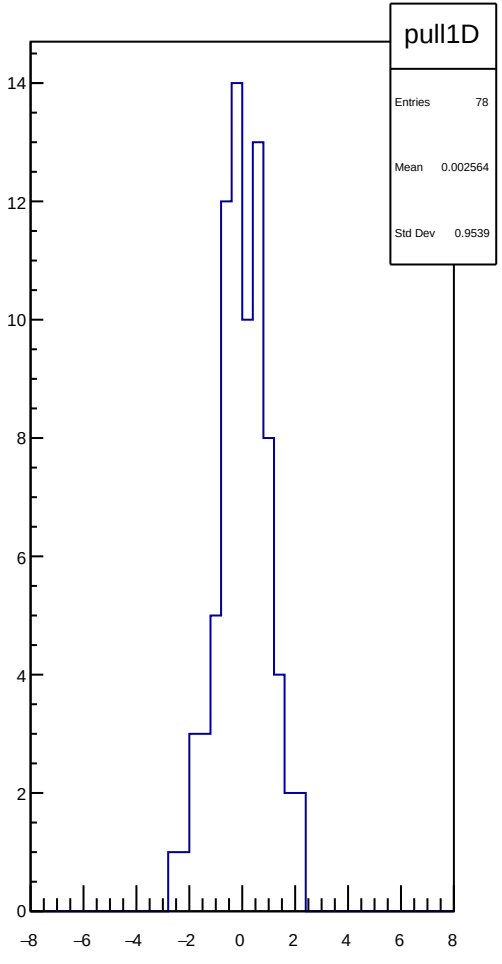

asym_sam_15_dd_rms vs run
χ² / ndf 2.755e+04 / 77
p0 888.8 ± 0.7163
1200
1100
1000
900
800
700
600

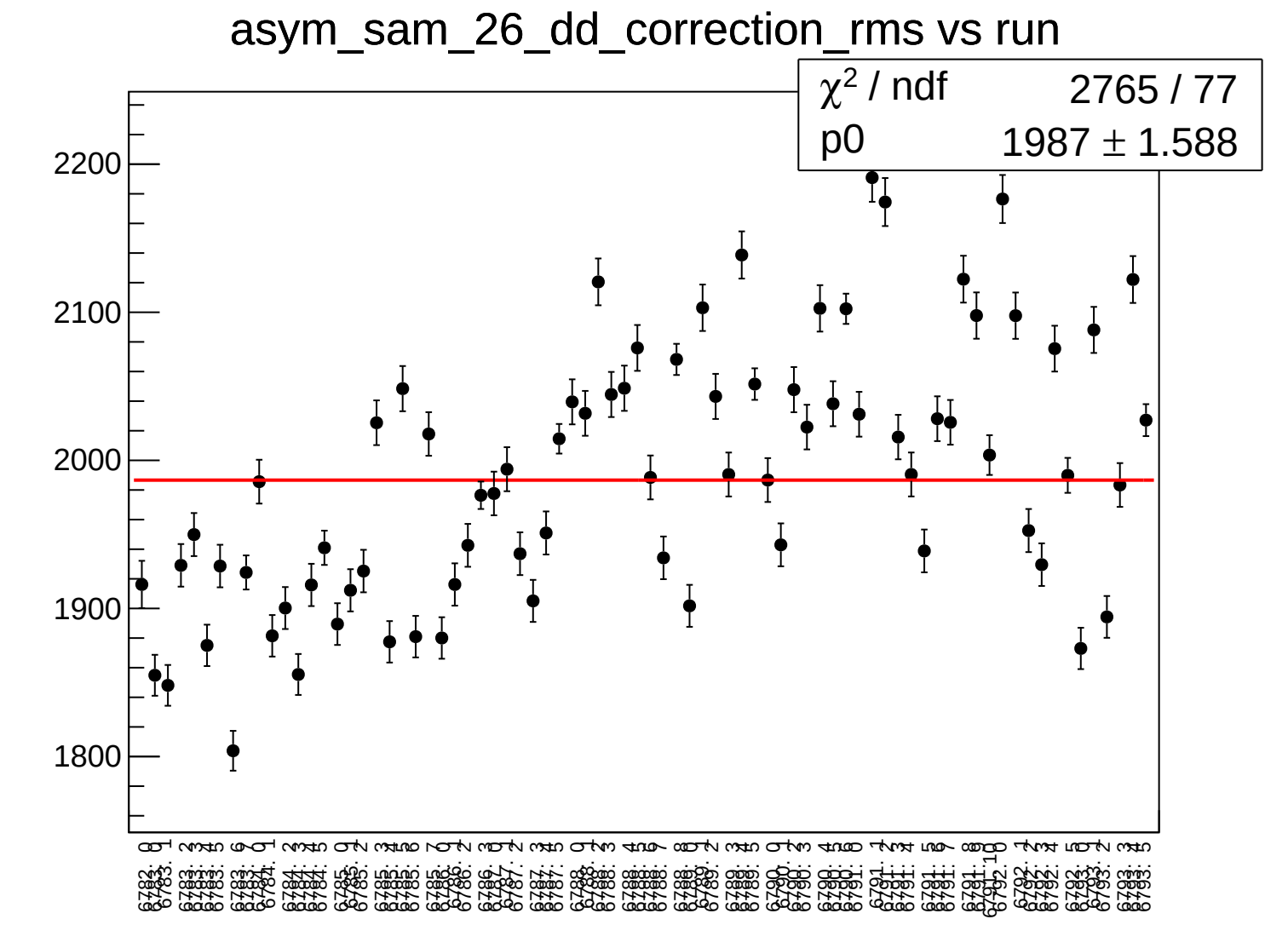

dit_asym_sam_26_dd_mean vs run
χ² / ndf 72.38 / 77
p0 90.51 ± 287.6
pull
Entries 78
Mean 36.03
Std Dev 49.41

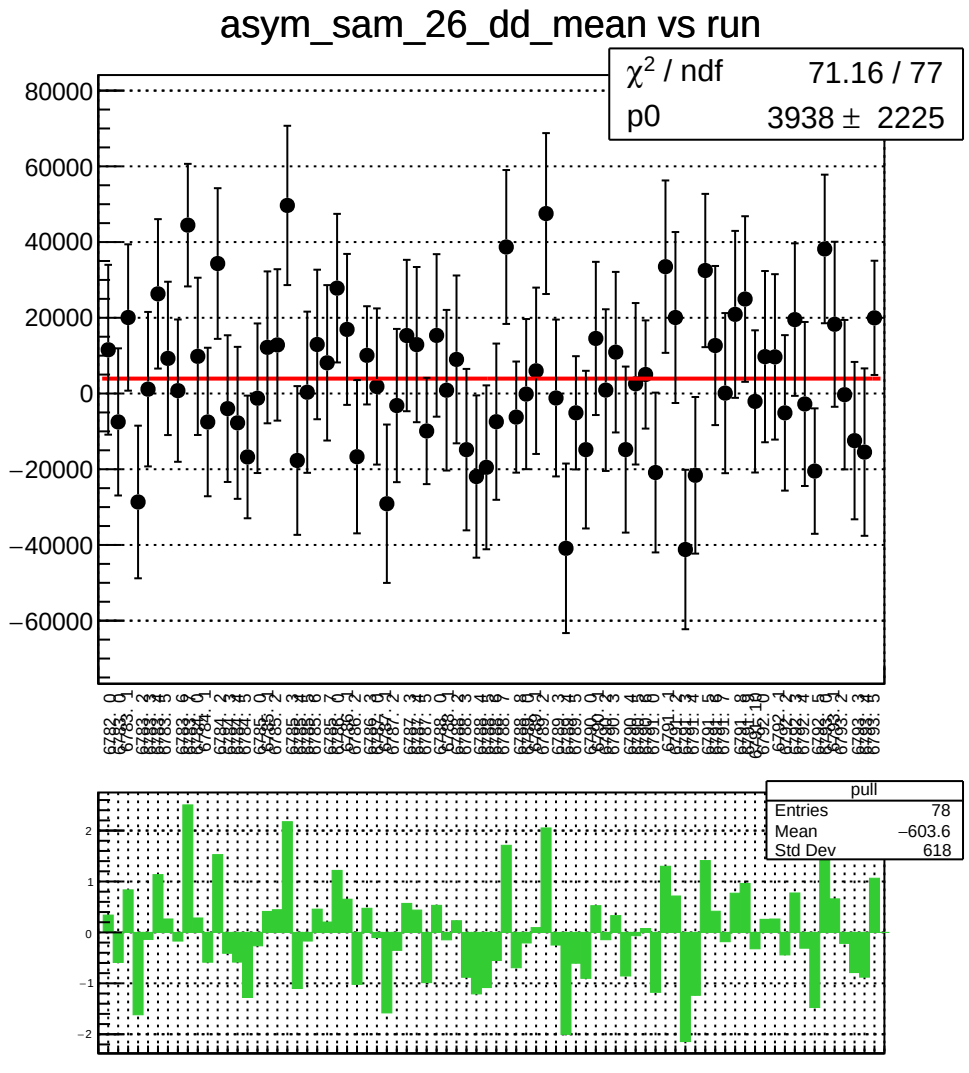

pull1D
Entries 78
Mean 0.03827
Std Dev 0.9625

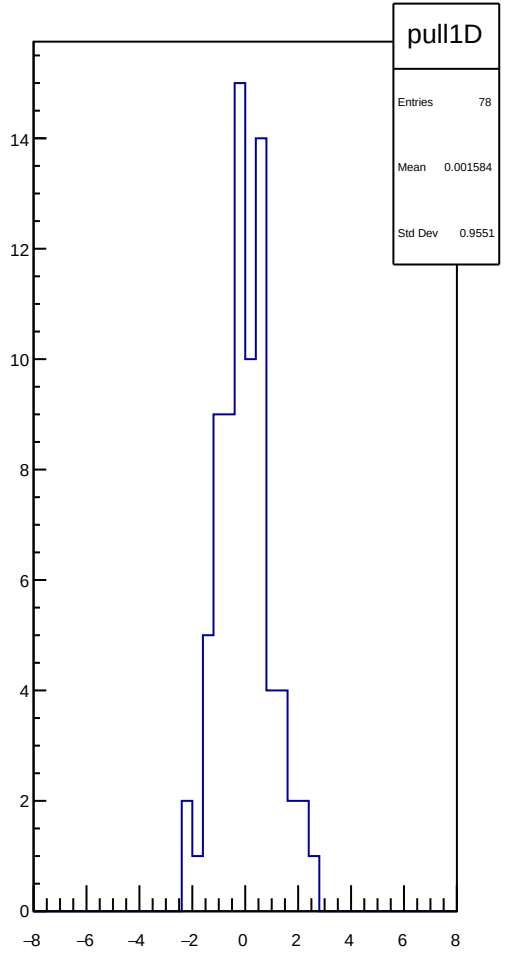

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4416 / 77
p0 254.2 ± 0.2033
290
280
270
260
250
240
230

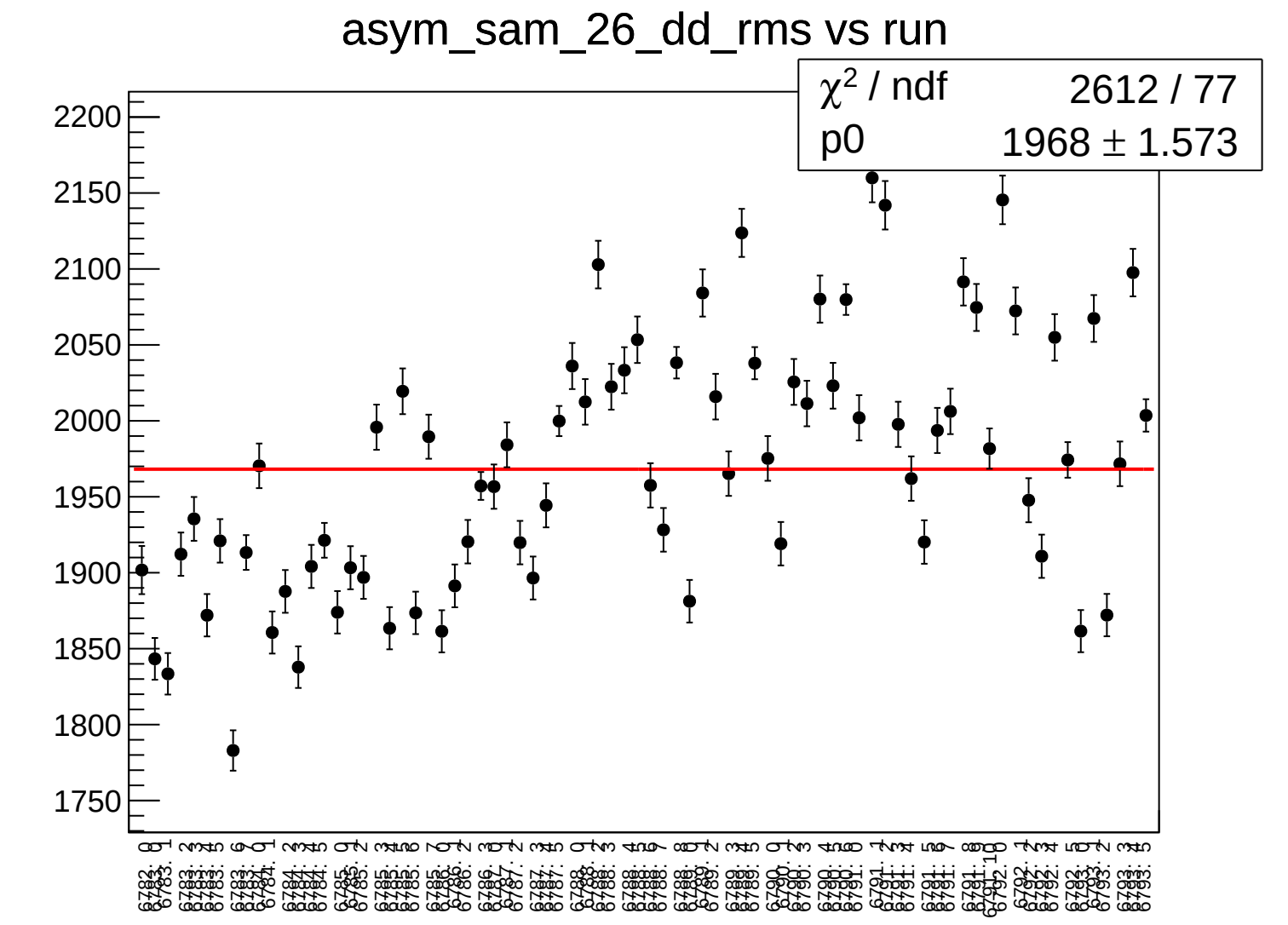

asym_sam_26_dd_correction_mean vs run
χ² / ndf 70.97 / 77
p0 −3817 ± 2246
pull
Entries 78
Mean 433.9
Std Dev 413

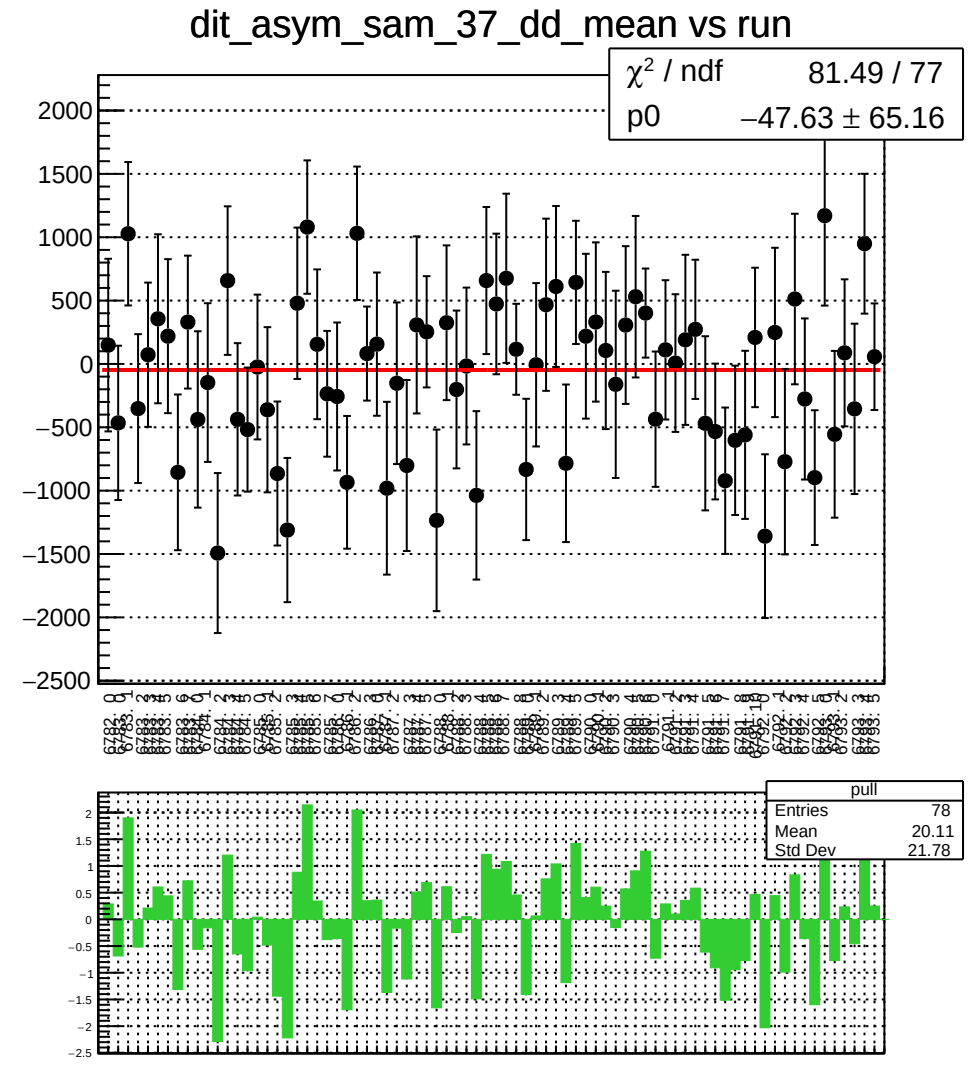

pull1D
Entries 78
Mean 0.002564
Std Dev 0.9539

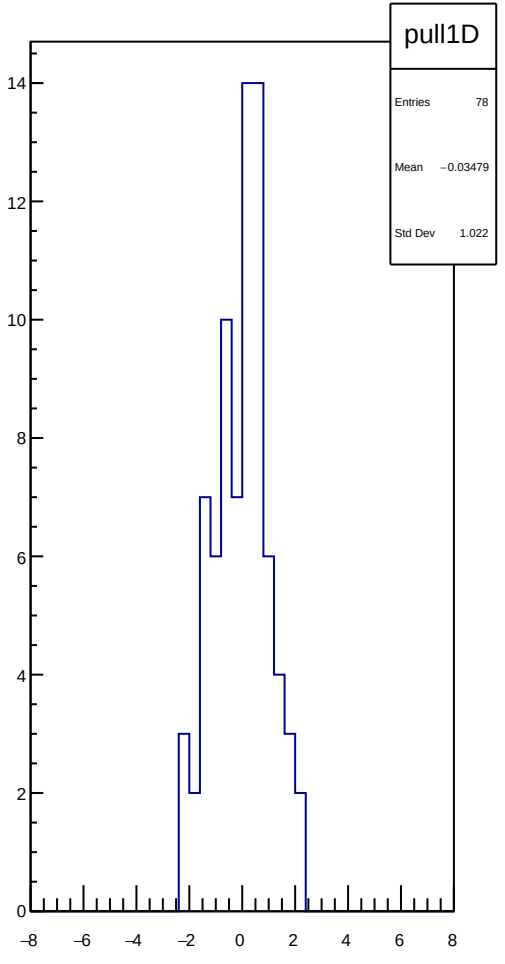

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2765 / 77
p0 1987 ± 1.588
2200
2100
2000
1900
1800


asym_sam_26_dd_mean vs run
χ² / ndf 71.16 / 77
p0 3938 ± 2225
pull
Entries 78
Mean −603.6
Std Dev 618

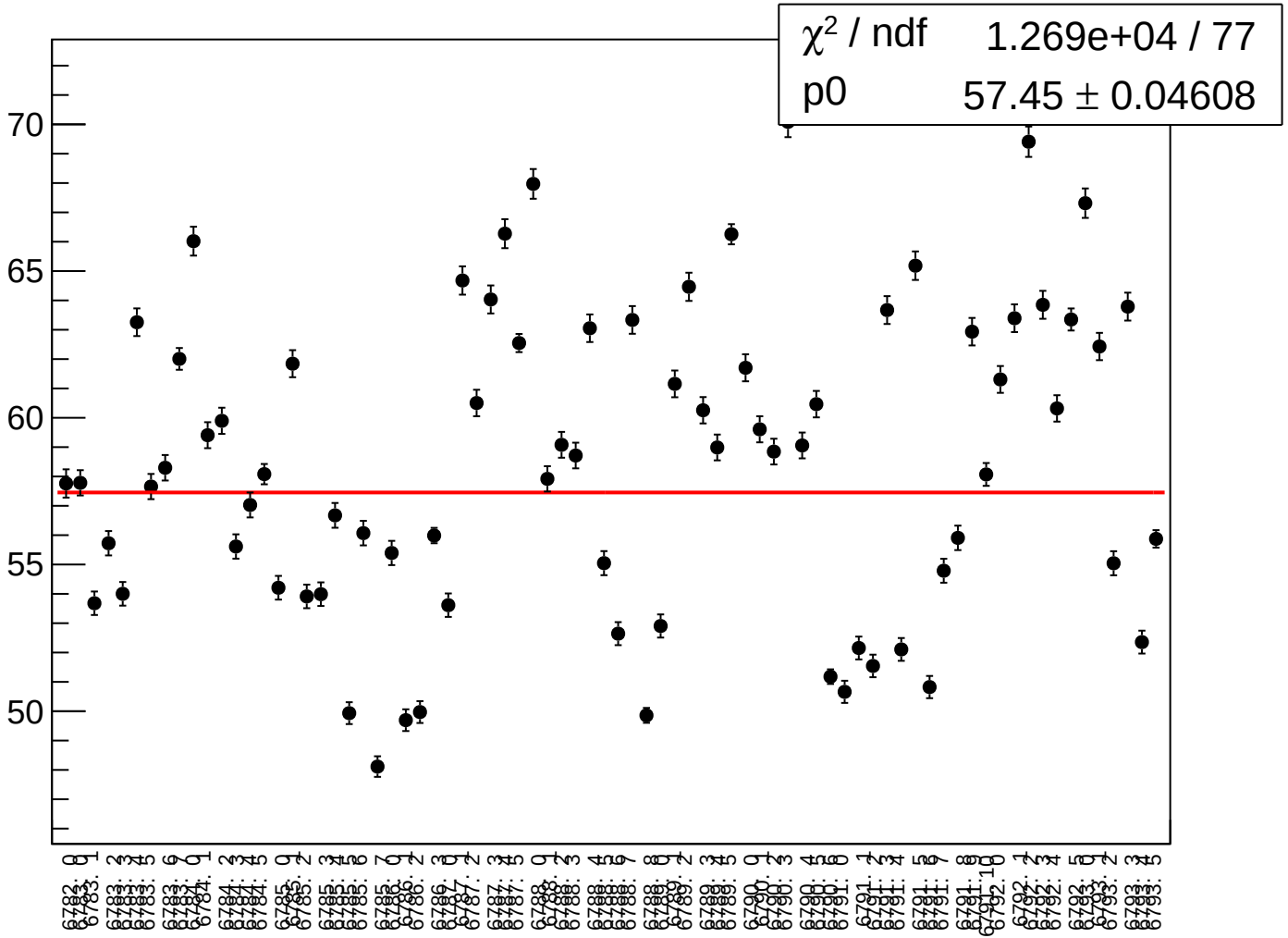

pull1D
Entries 78
Mean 0.001584
Std Dev 0.9551

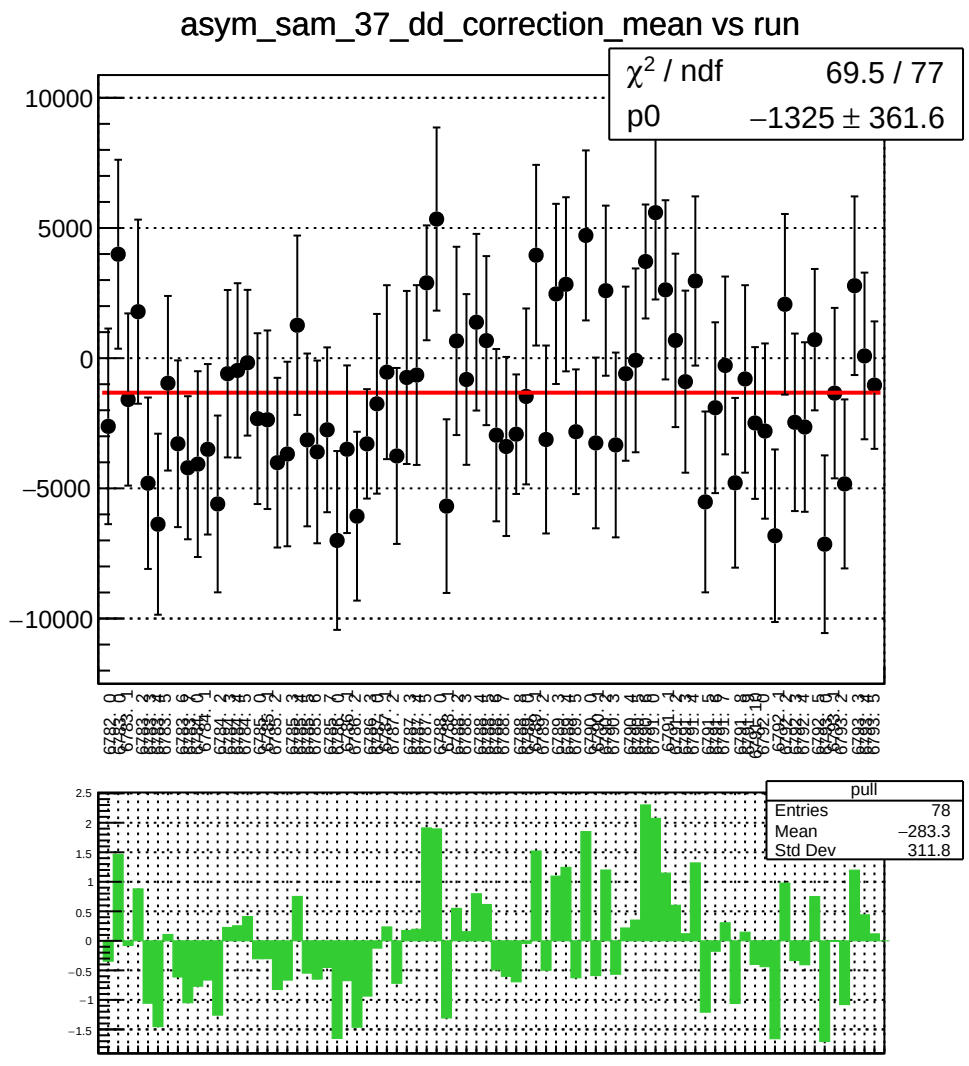

asym_sam_26_dd_rms vs run
χ² / ndf 2612 / 77
p0 1968 ± 1.573
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

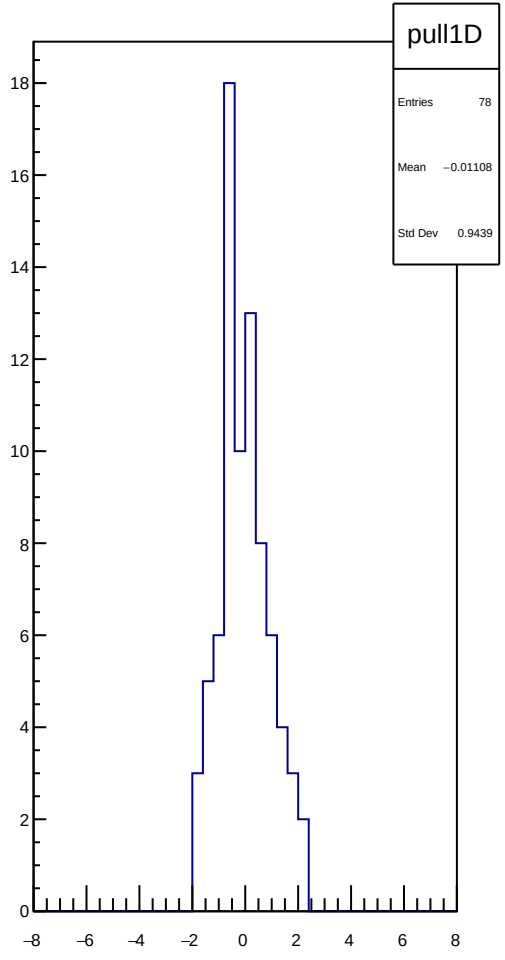

dit_asym_sam_37_dd_mean vs run
χ² / ndf 81.49 / 77
p0 −47.63 ± 65.16
pull
Entries 78
Mean 20.11
Std Dev 21.78

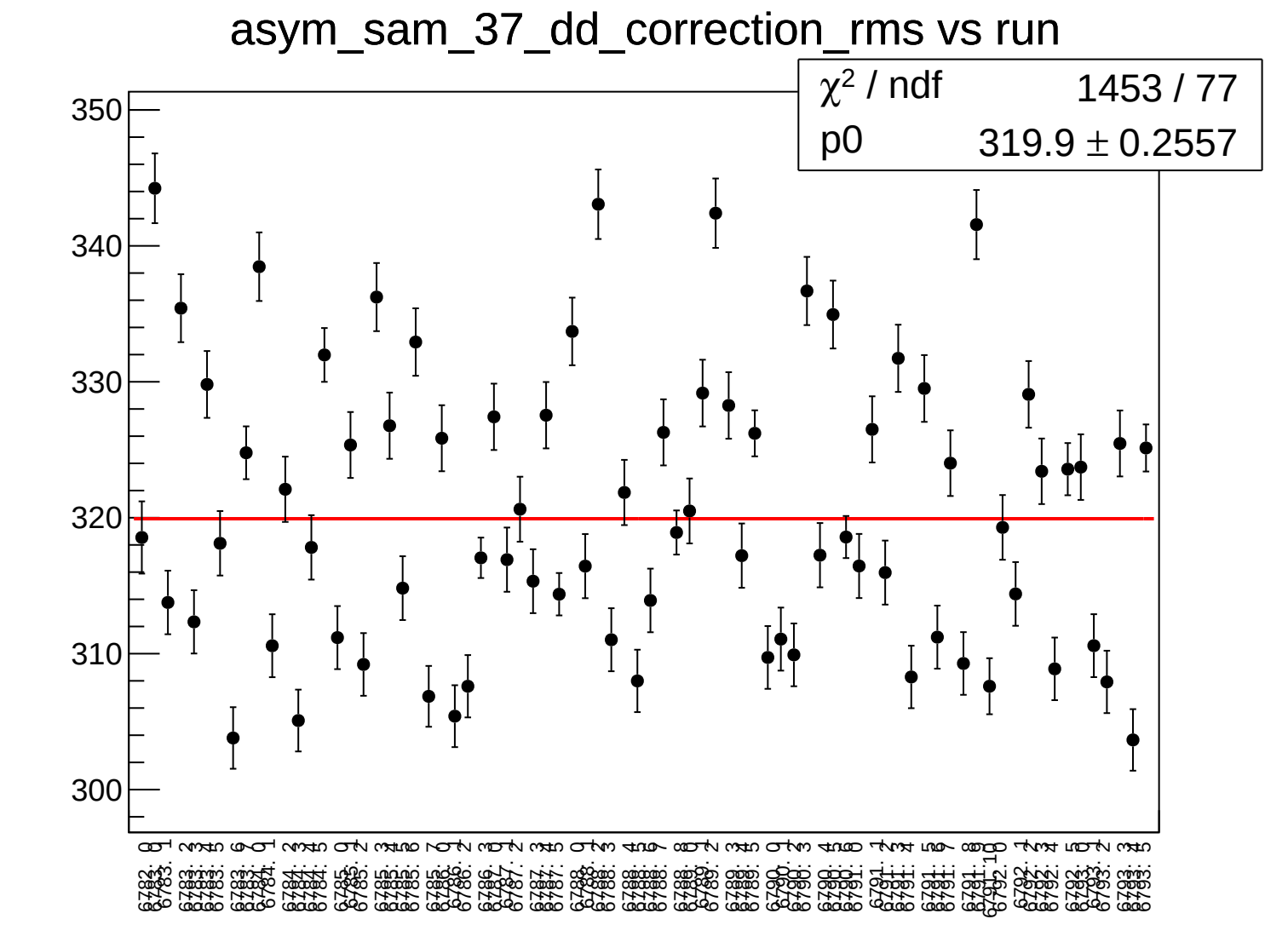

pull1D
Entries 78
Mean −0.03479
Std Dev 1.022

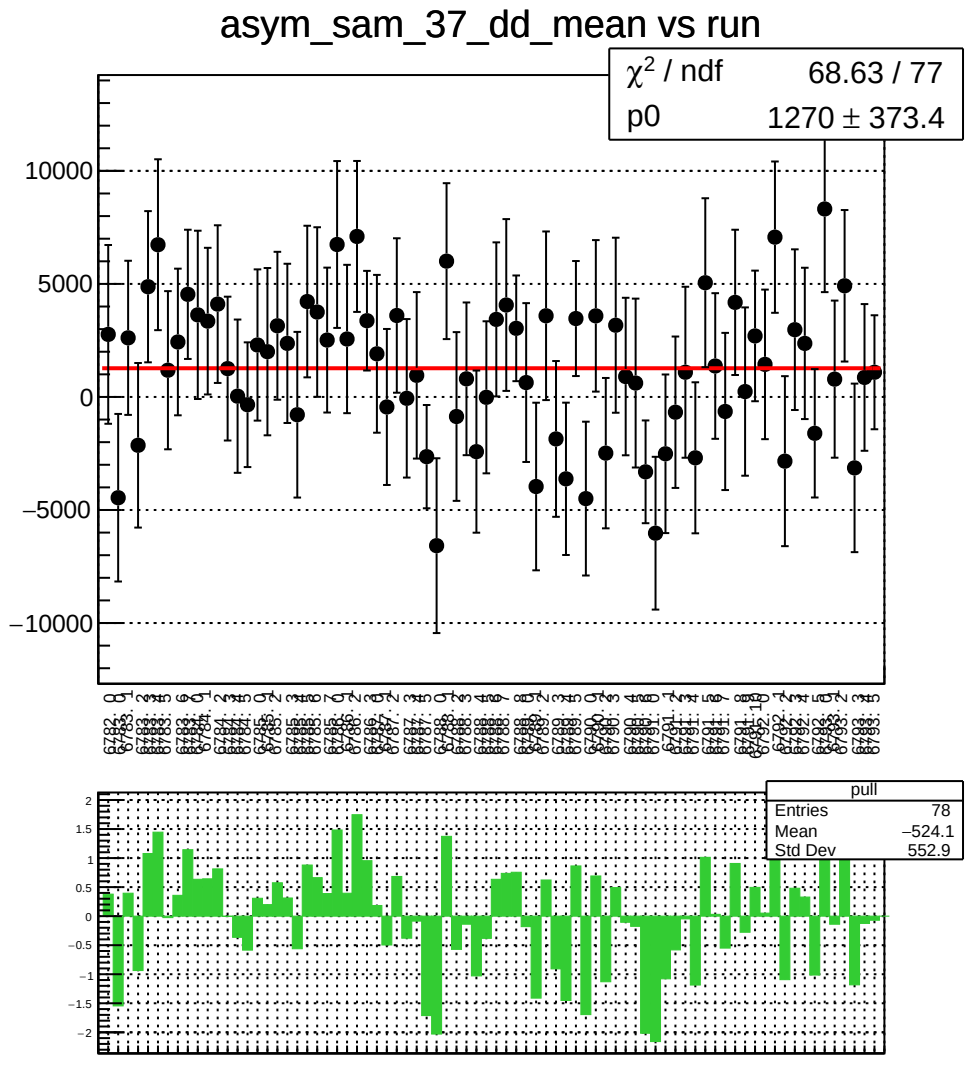
dit_asym_sam_37_dd_rms vs run

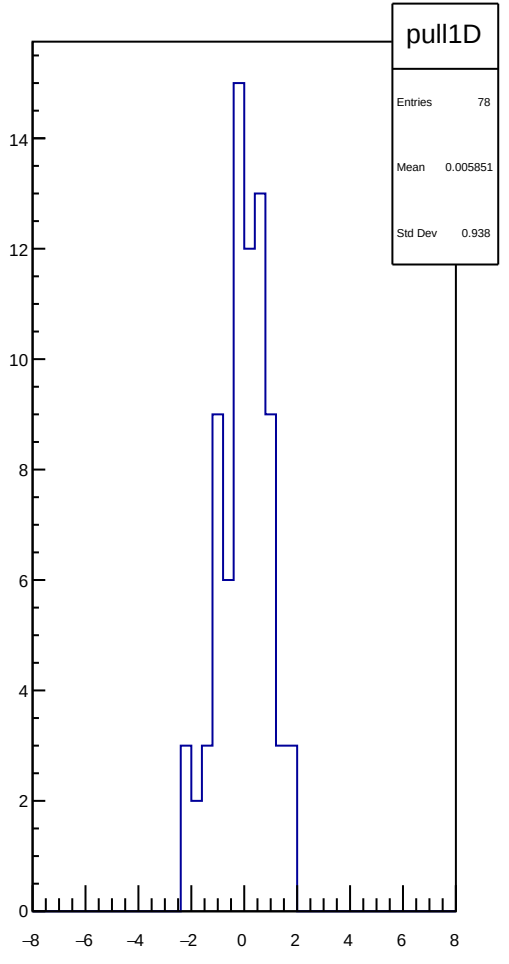


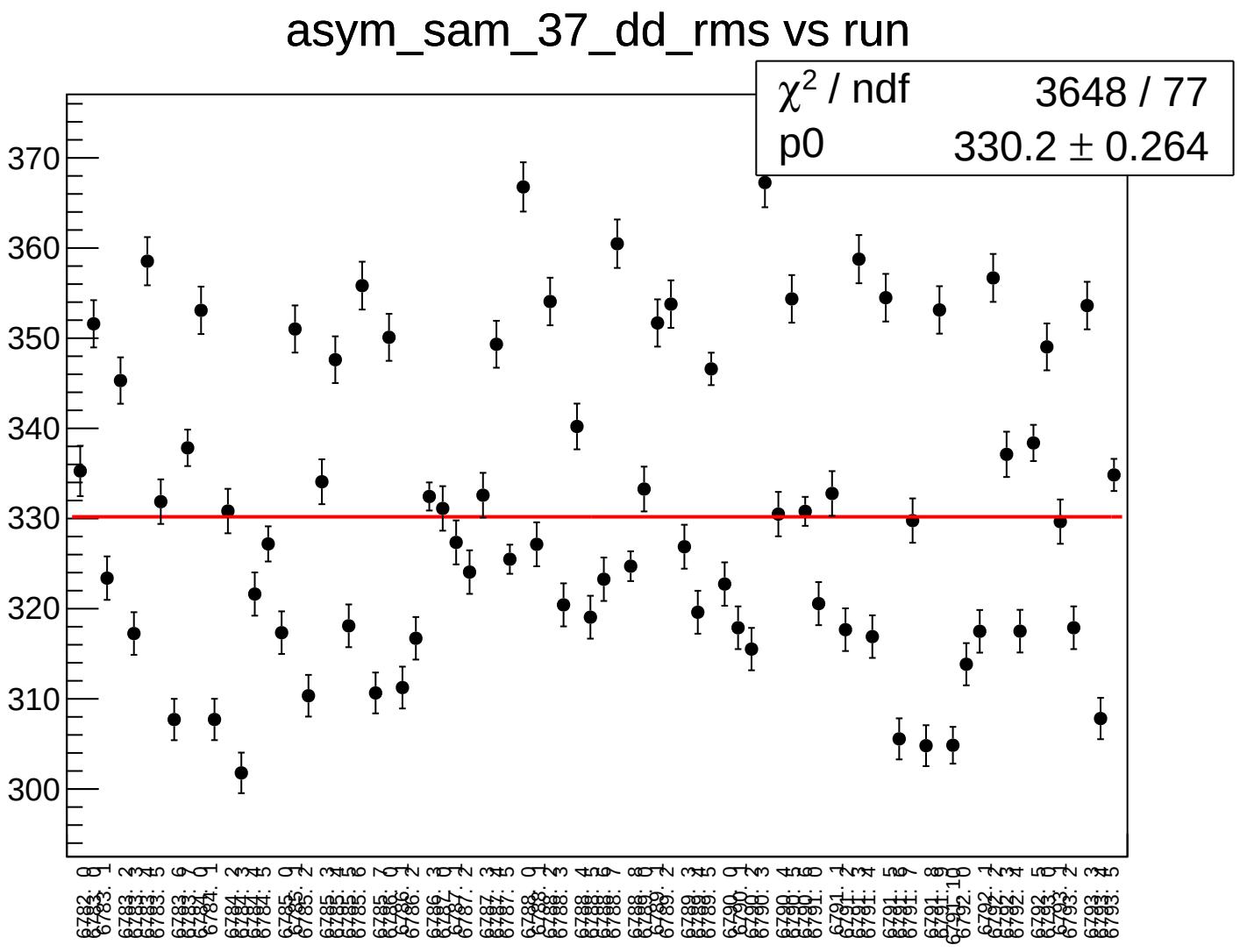

asym_sam_37_dd_correction_mean vs run
χ² / ndf 69.5 / 77
p0 −1325 ± 361.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −283.3
Std Dev 311.8
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

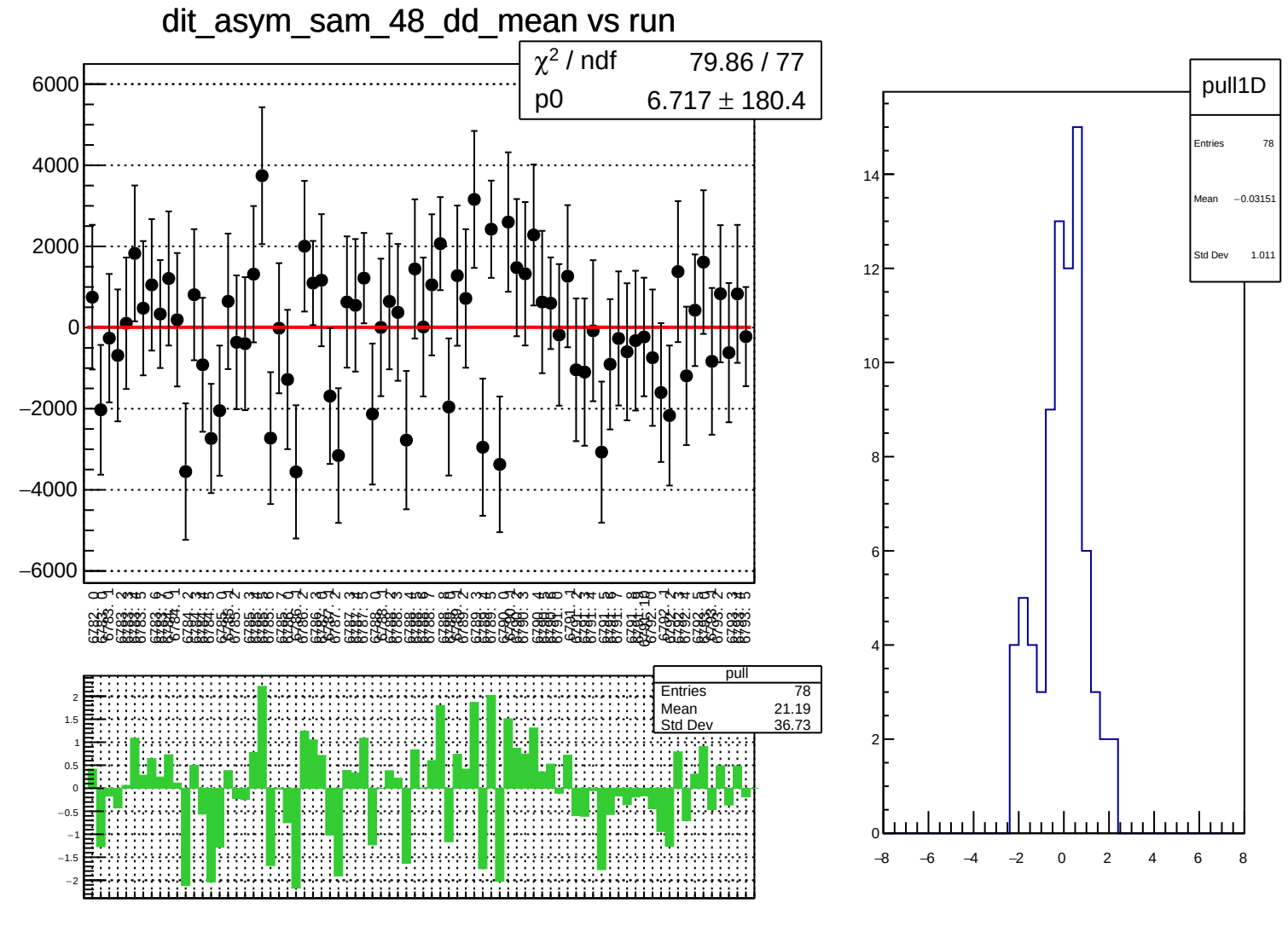

pull1D
Entries 78
Mean −0.01108
Std Dev 0.9439
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

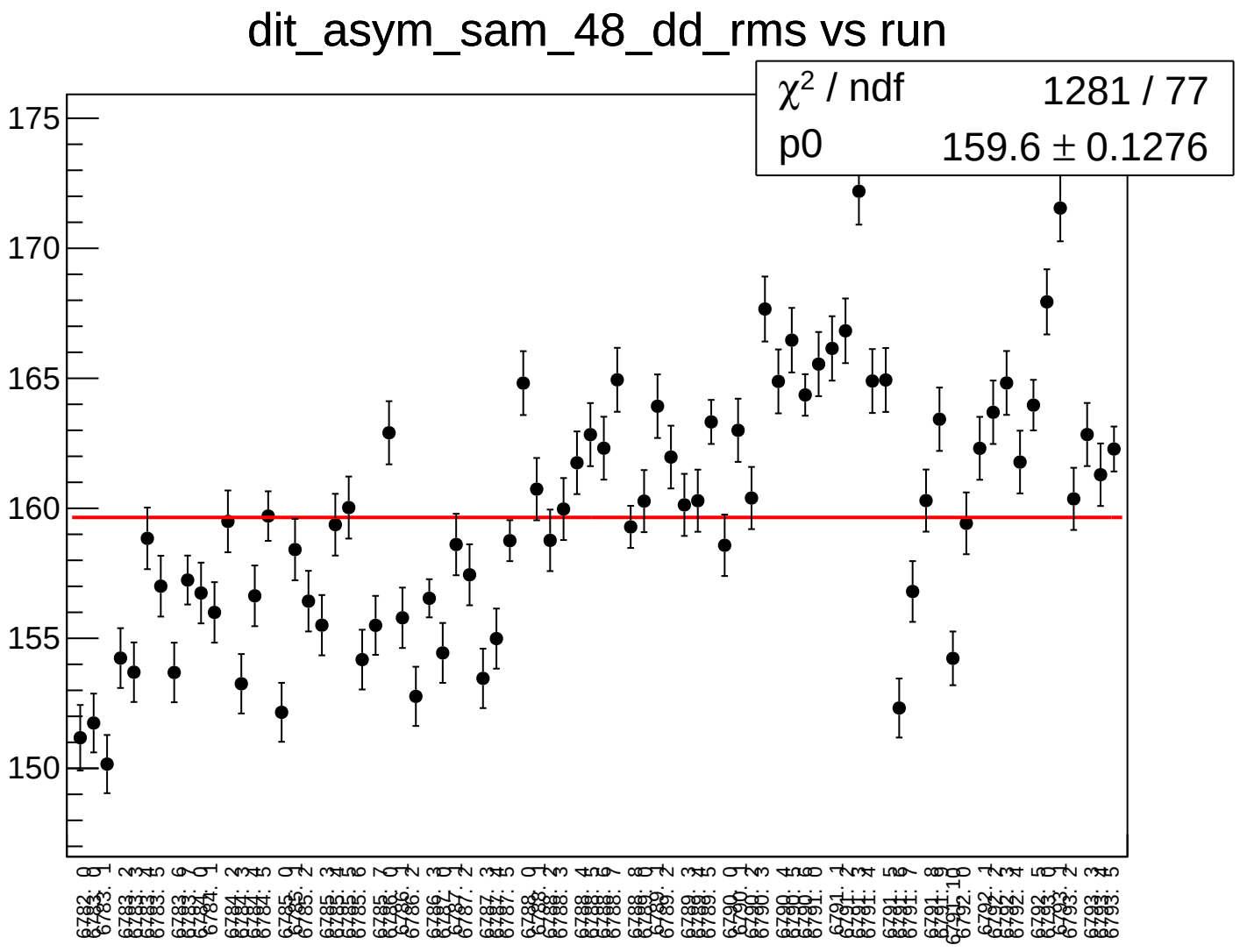

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1453 / 77
p0 319.9 ± 0.2557
350
340
330
320
310
300

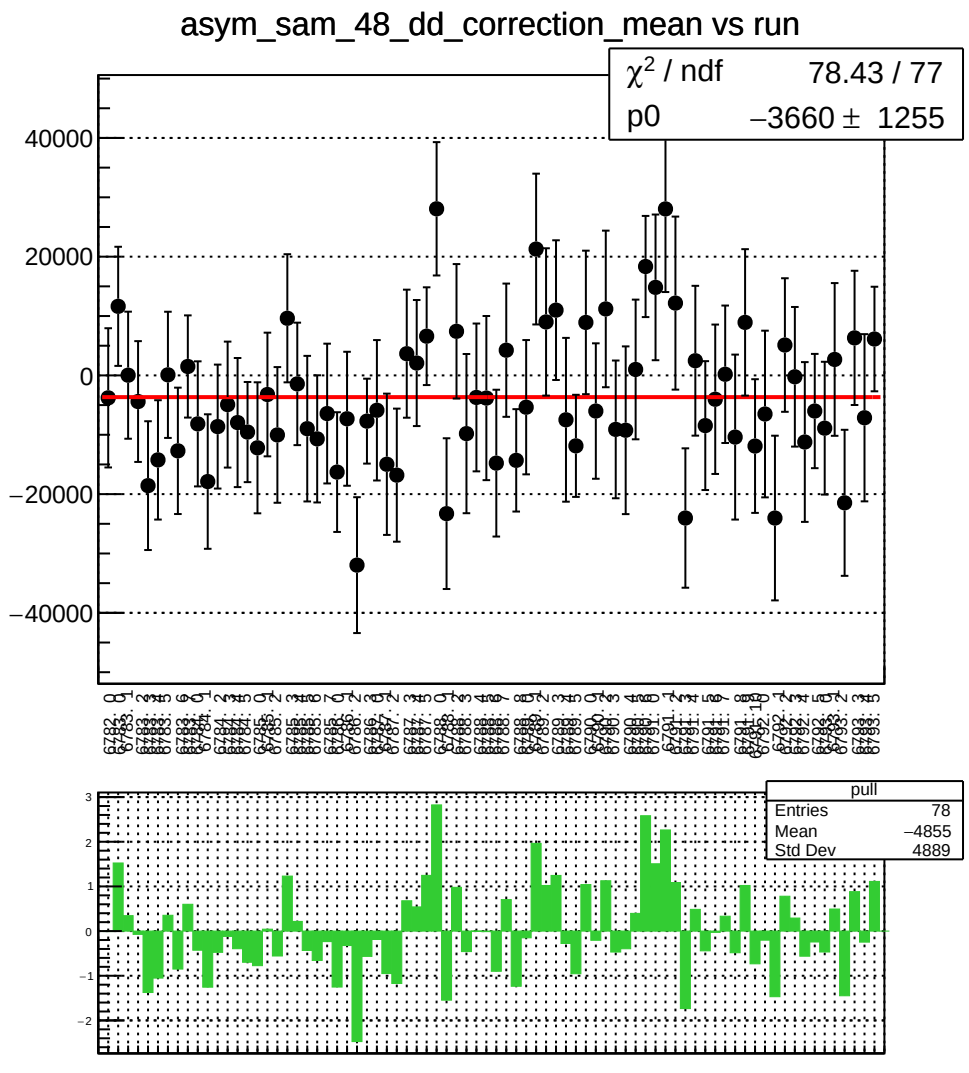

asym_sam_37_dd_mean vs run
χ² / ndf 68.63 / 77
p0 1270 ± 373.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −524.1
Std Dev 552.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

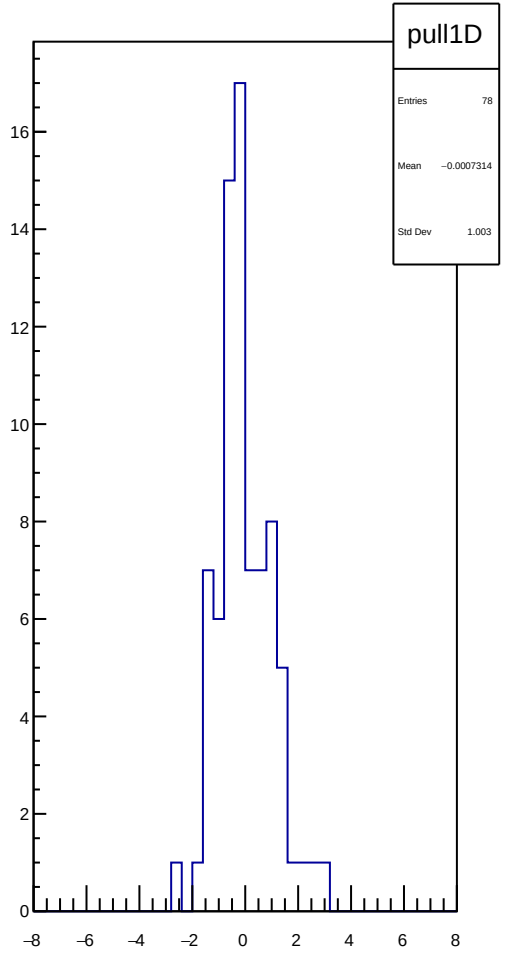

pull1D
Entries 78
Mean 0.005851
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

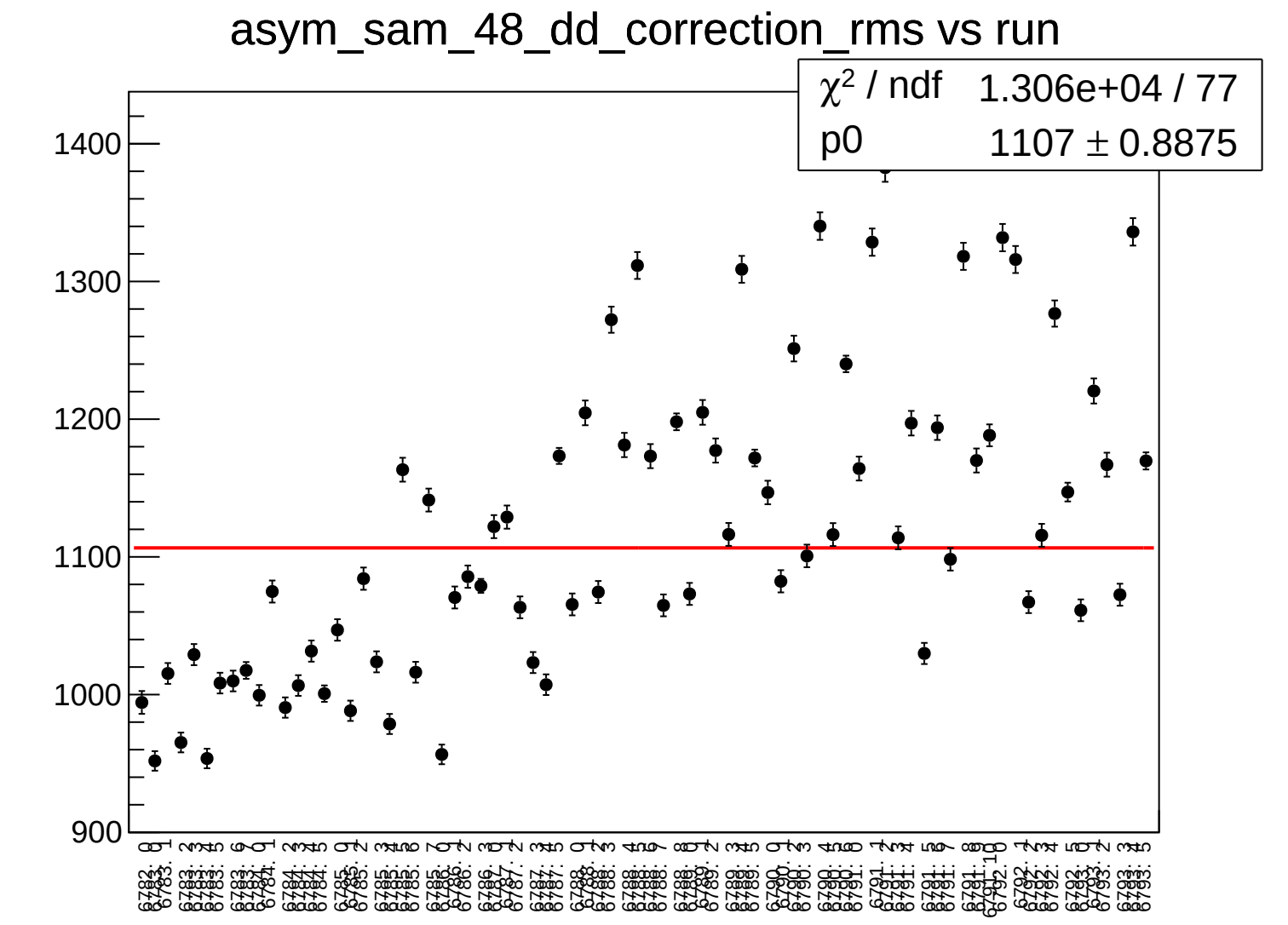

asym_sam_37_dd_rms vs run
χ² / ndf 3648 / 77
p0 330.2 ± 0.264
370
360
350
340
330
320
310
300

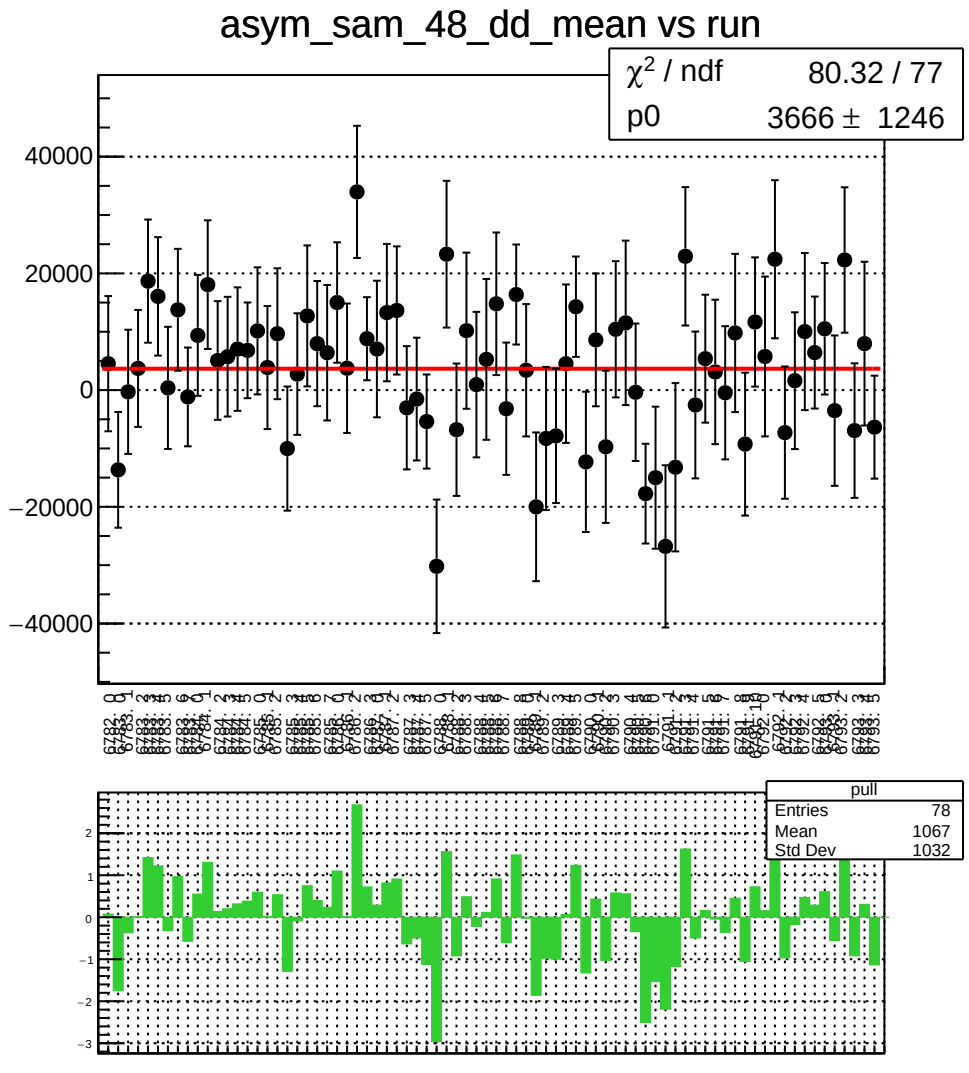

dit_asym_sam_48_dd_mean vs run
χ² / ndf 79.86 / 77
p0 6.717 ± 180.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean 21.19
Std Dev 36.73
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.03151
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

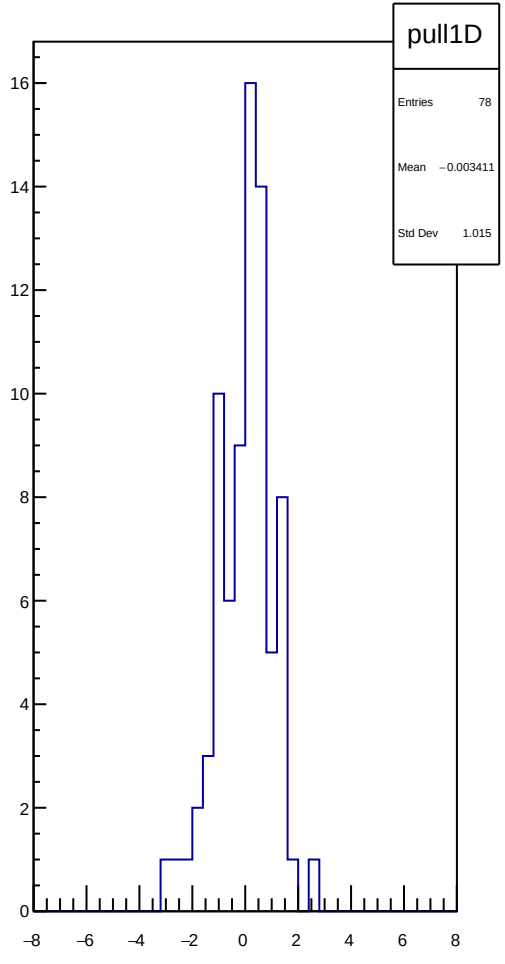

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1281 / 77
p0 159.6 ± 0.1276
175
170
165
160
155
150

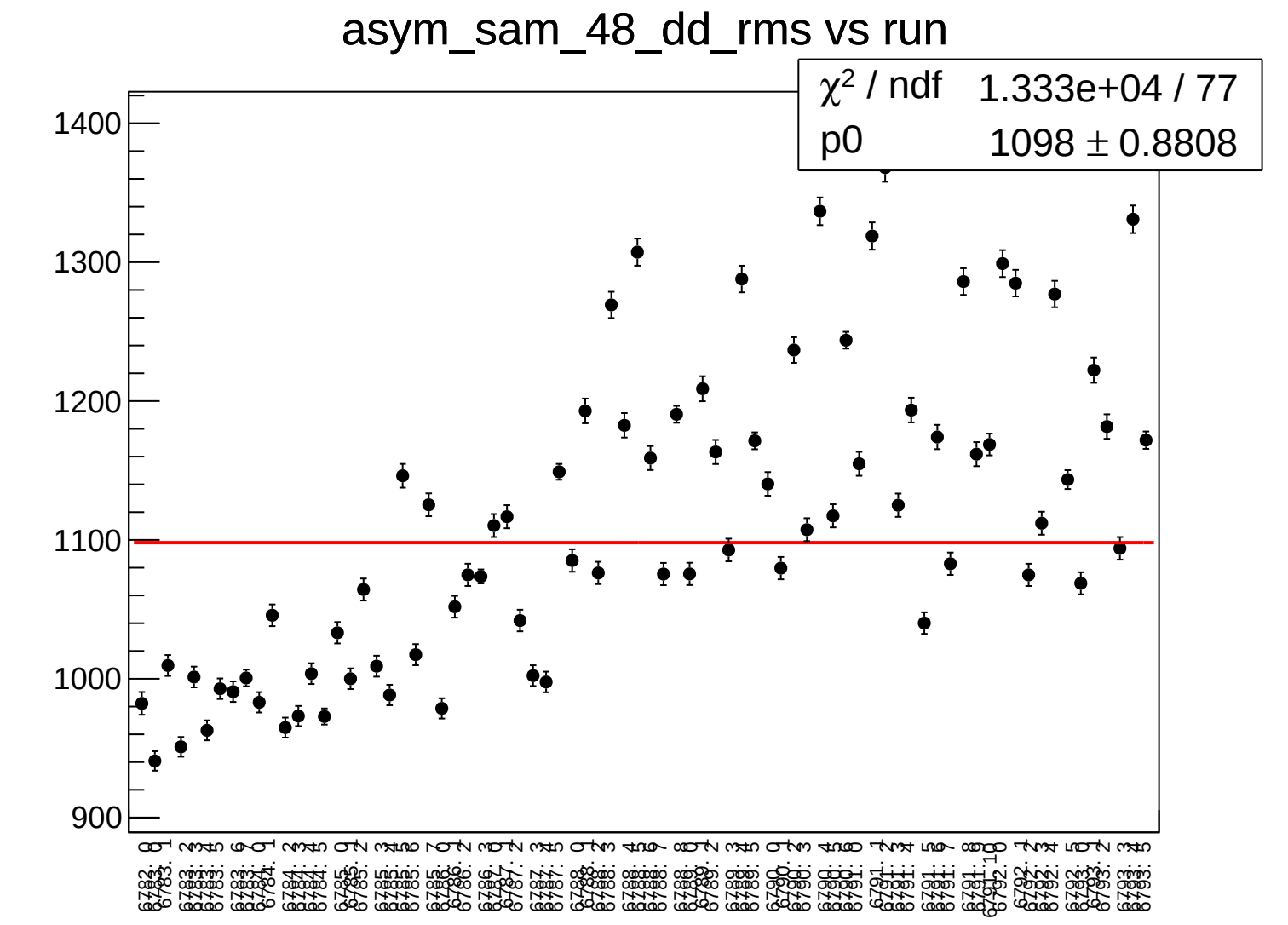

asym_sam_48_dd_correction_mean vs run
χ² / ndf 78.43 / 77
p0 −3660 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −4855
Std Dev 4889
3
2
1
0
−1
−2

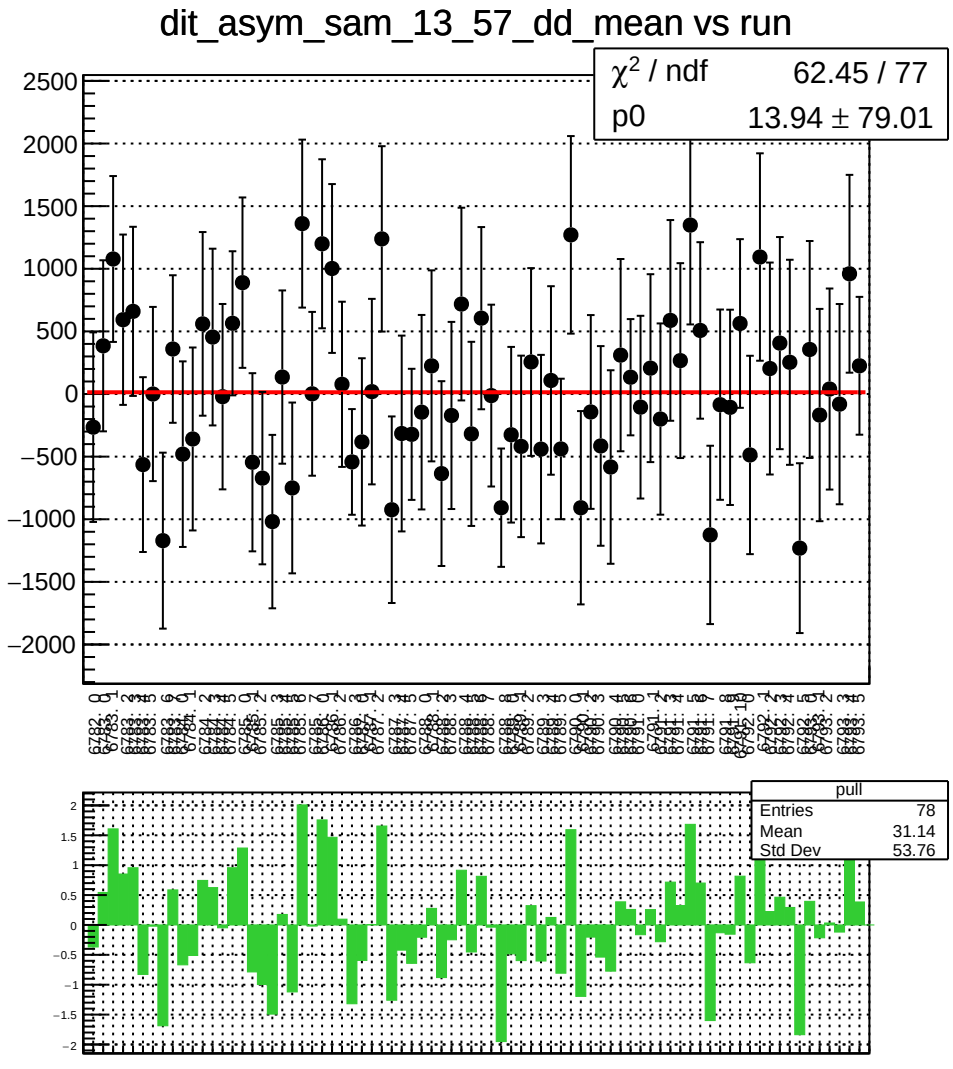

pull1D
Entries 78
Mean −0.0007314
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

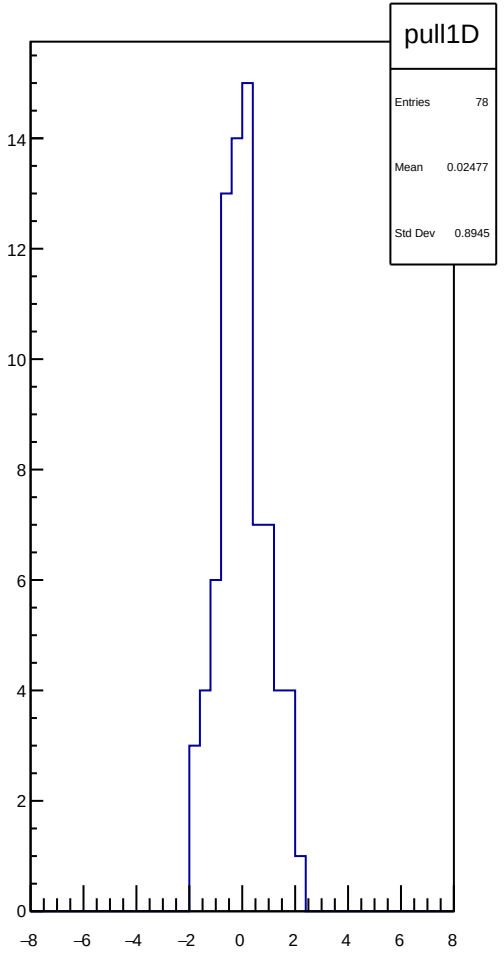

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.306e+04 / 77
p0 1107 ± 0.8875
1400
1300
1200
1100
1000
900

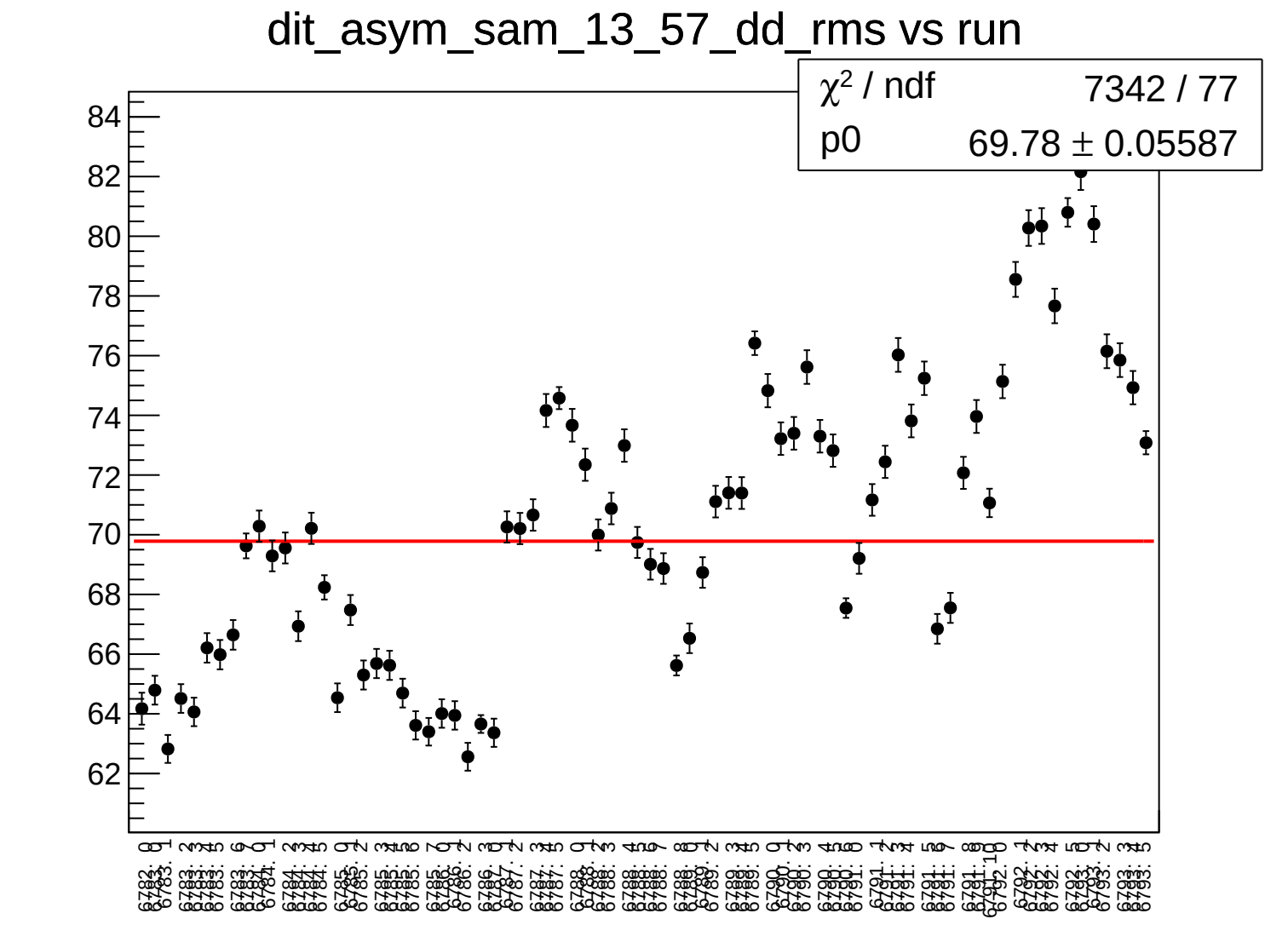

asym_sam_48_dd_mean vs run
χ² / ndf 80.32 / 77
p0 3666 ± 1246
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1067
Std Dev 1032
2
1
0
−1
−2
−3

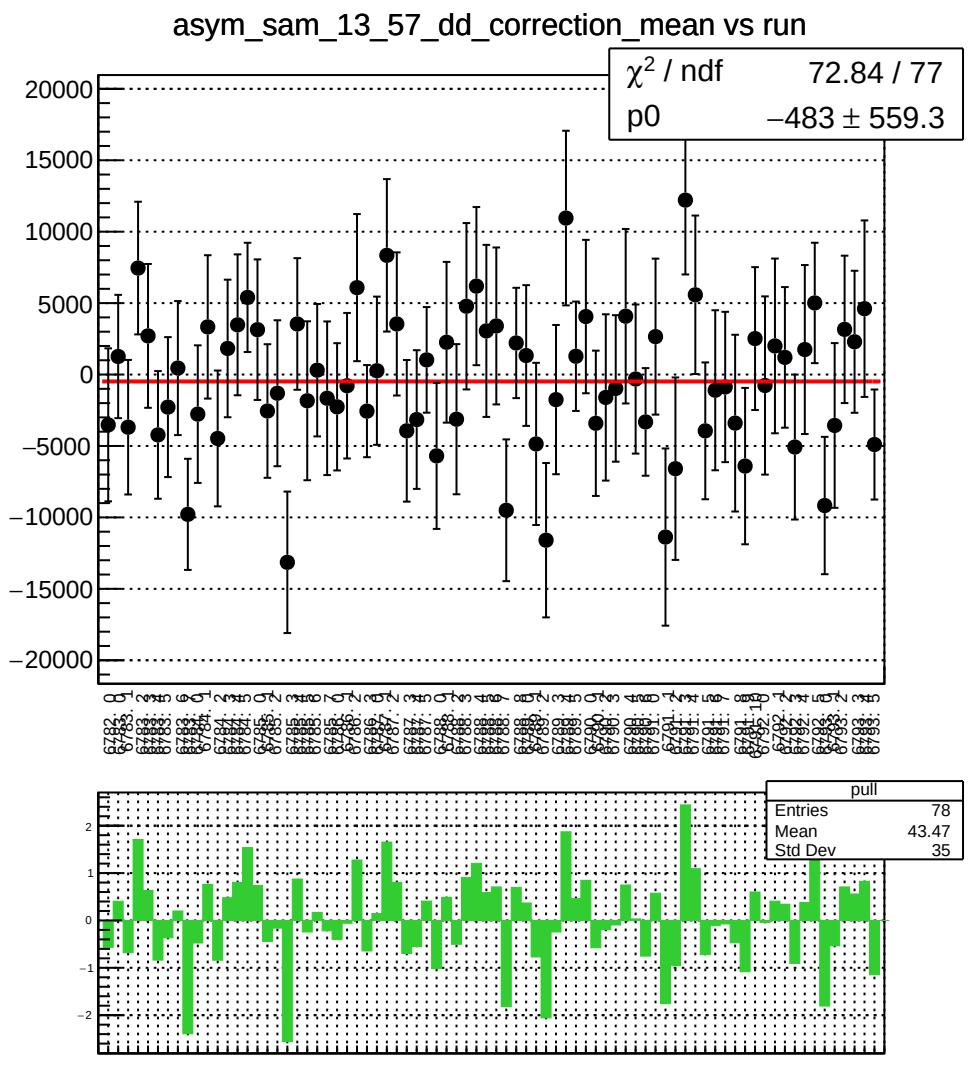

pull1D
Entries 78
Mean −0.003411
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

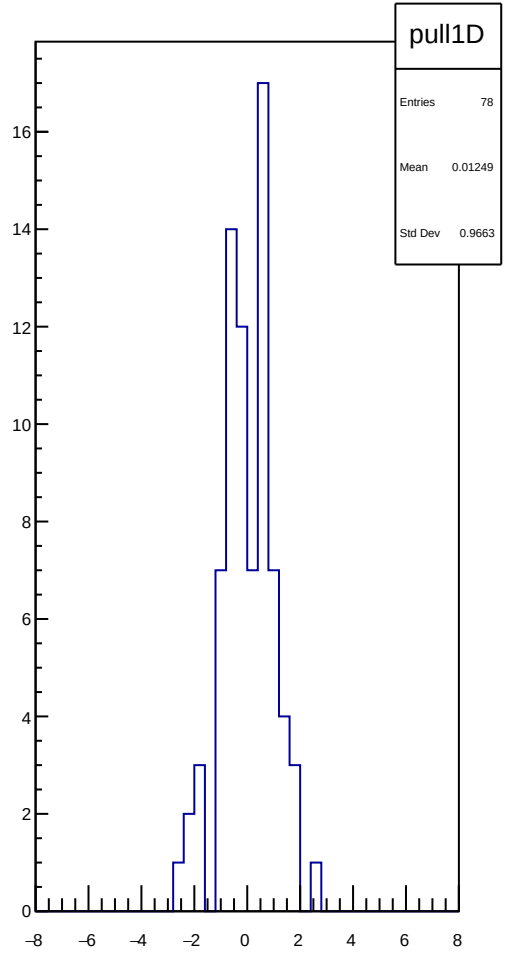

asym_sam_48_dd_rms vs run
χ² / ndf 1.333e+04 / 77
p0 1098 ± 0.8808
1400
1300
1200
1100
1000
900

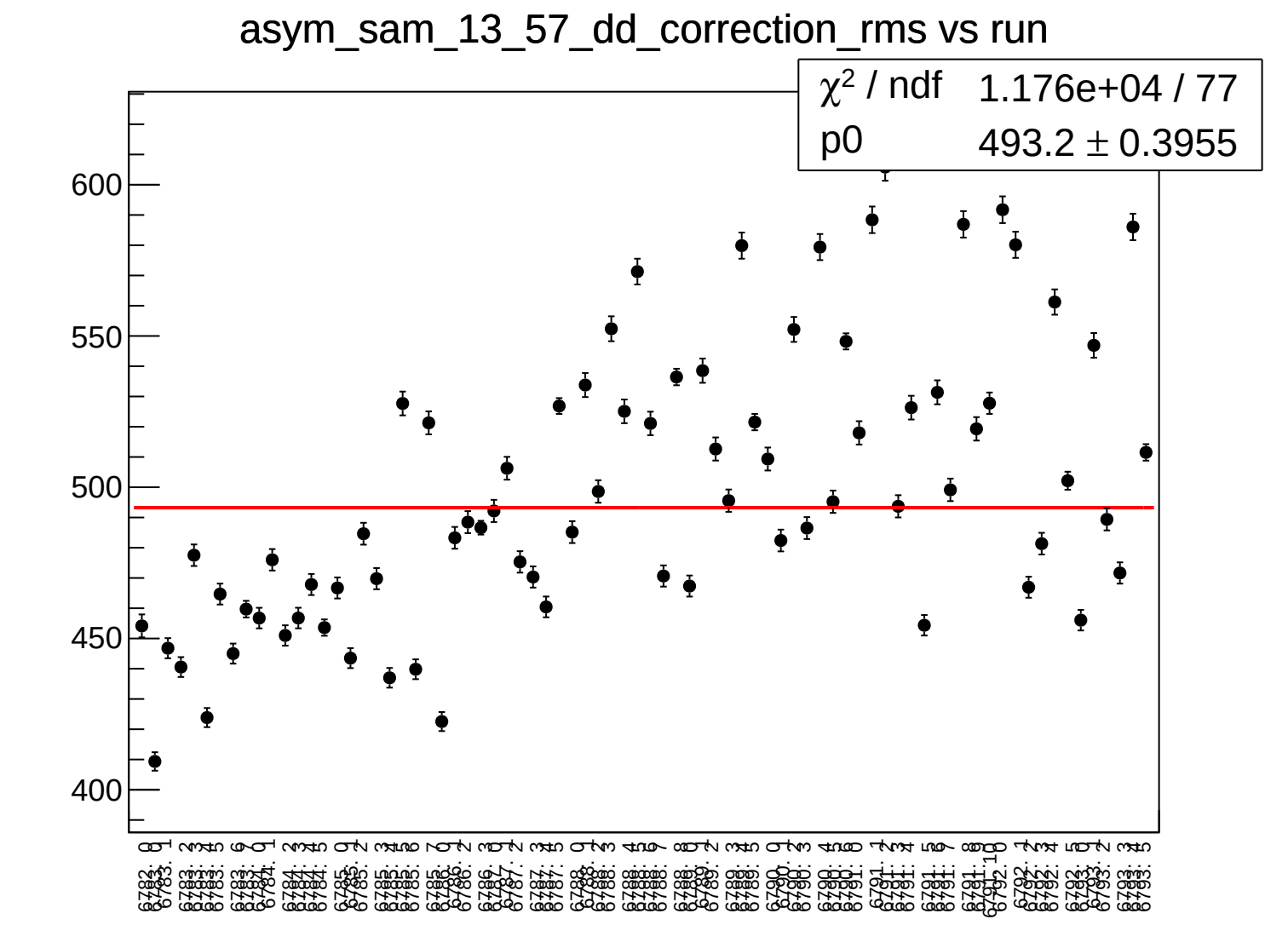

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 62.45 / 77
p0 13.94 ± 79.01
pull
Entries 78
Mean 31.14
Std Dev 53.76

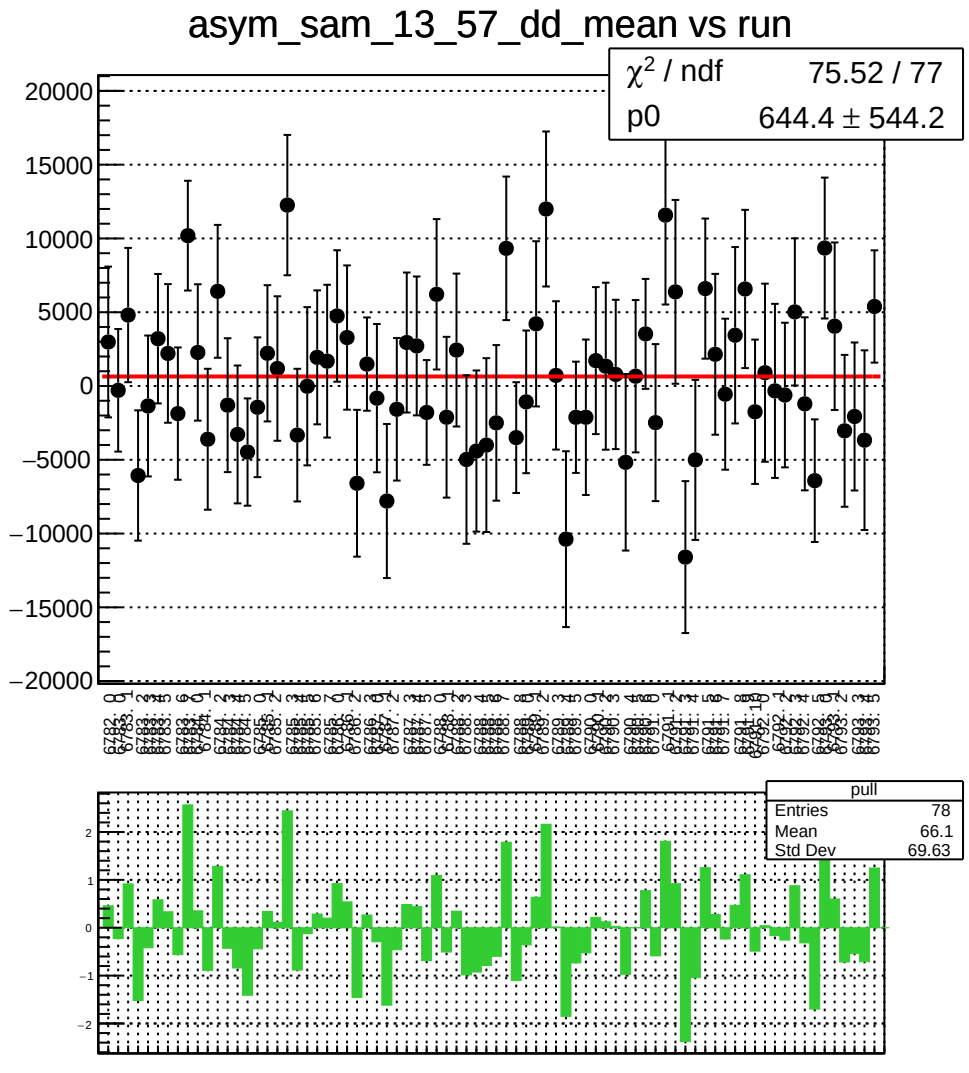

pull1D
Entries 78
Mean 0.02477
Std Dev 0.8945

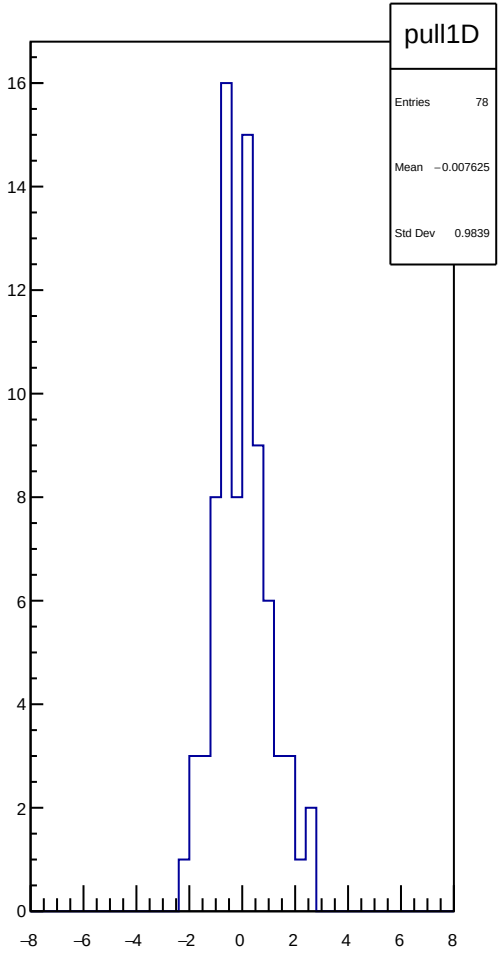

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 7342 / 77
p0 69.78 ± 0.05587
84
82
80
78
76
74
72
70
68
66
64
62

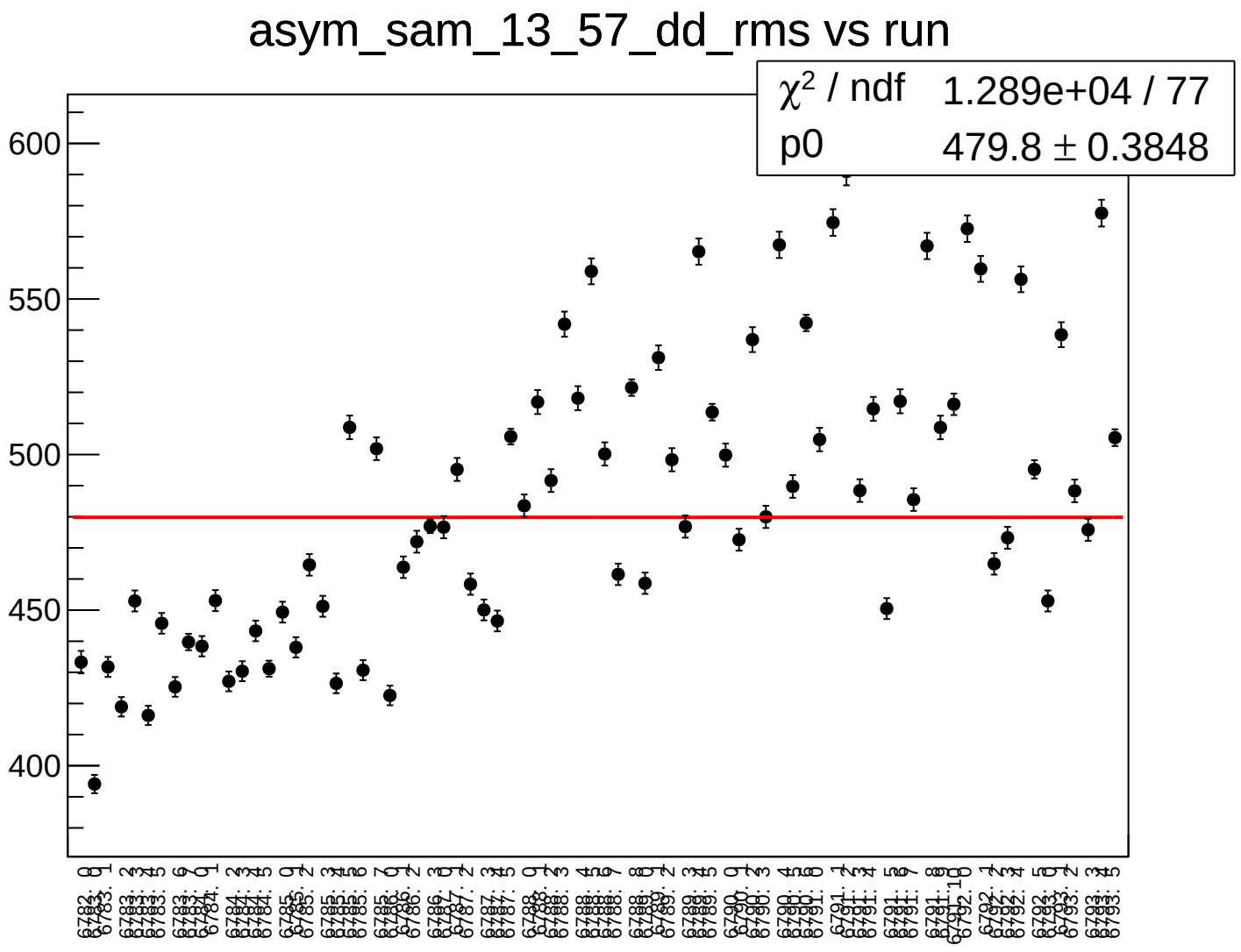

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 72.84 / 77
p0 −483 ± 559.3
pull
Entries 78
Mean 43.47
Std Dev 35

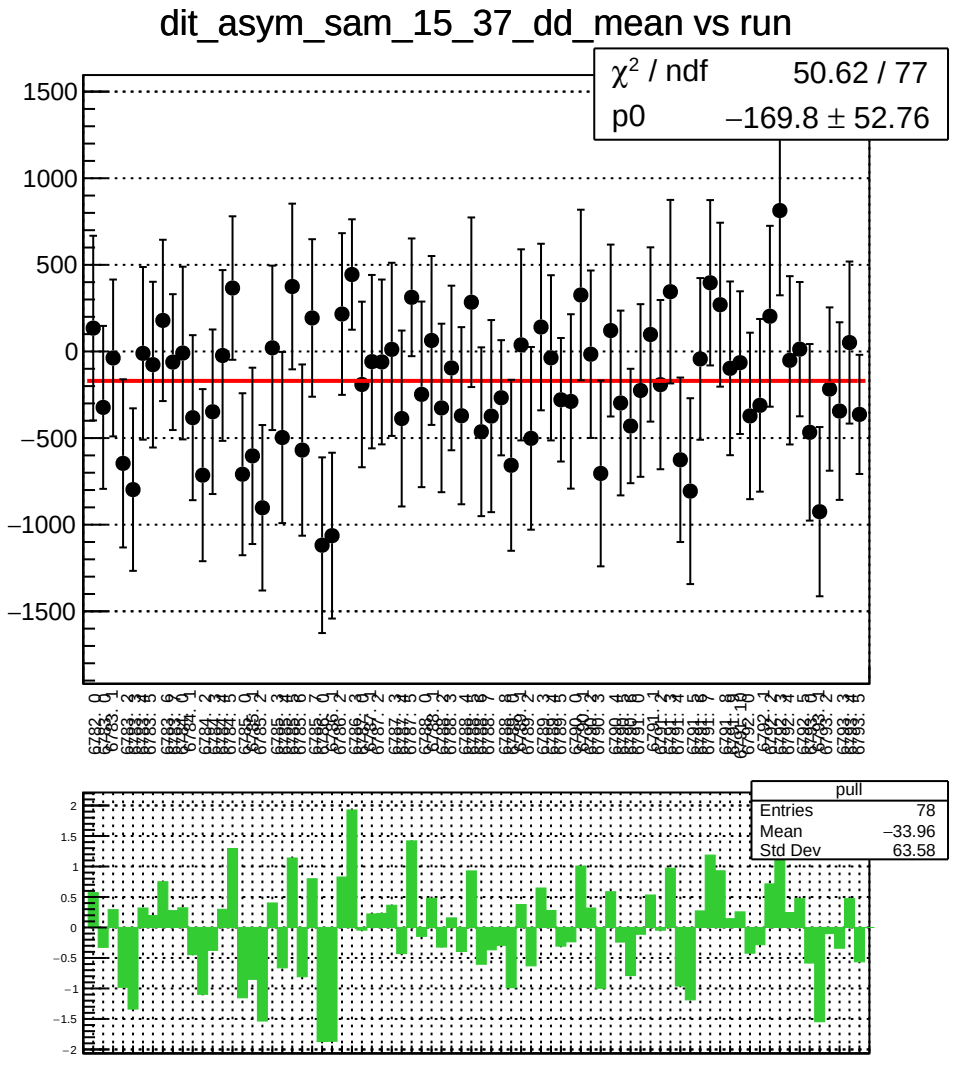

pull1D
Entries 78
Mean 0.01249
Std Dev 0.9663

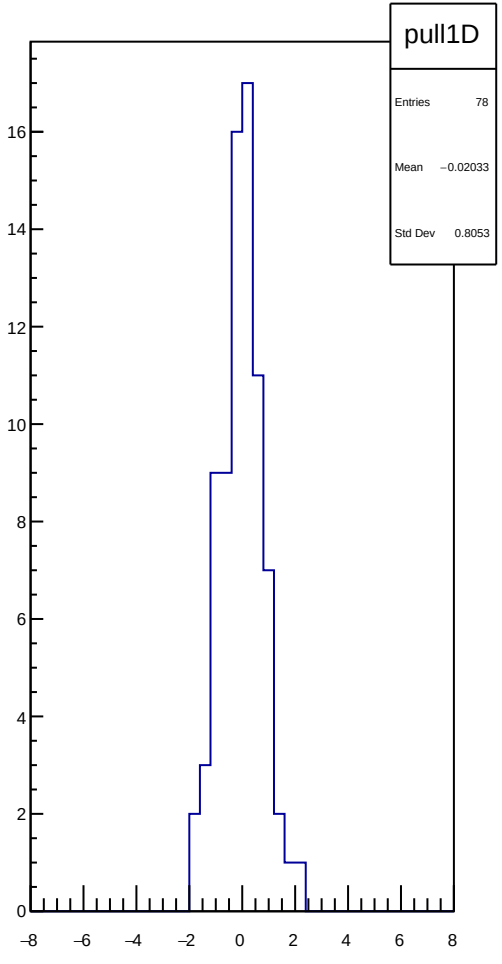

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.176e+04 / 77
p0 493.2 ± 0.3955
600
550
500
450
400

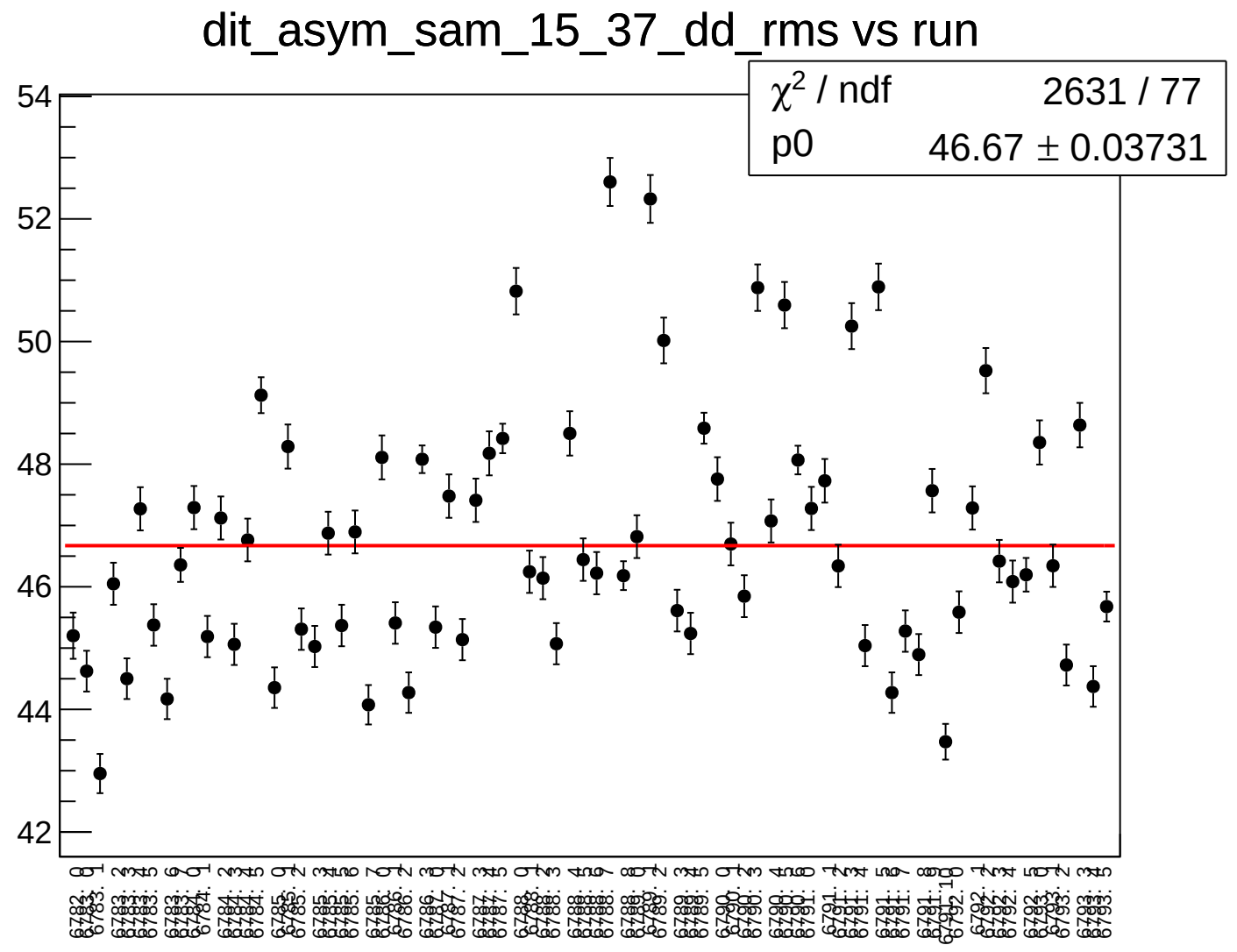

asym_sam_13_57_dd_mean vs run
χ² / ndf 75.52 / 77
p0 644.4 ± 544.2
pull
Entries 78
Mean 66.1
Std Dev 69.63

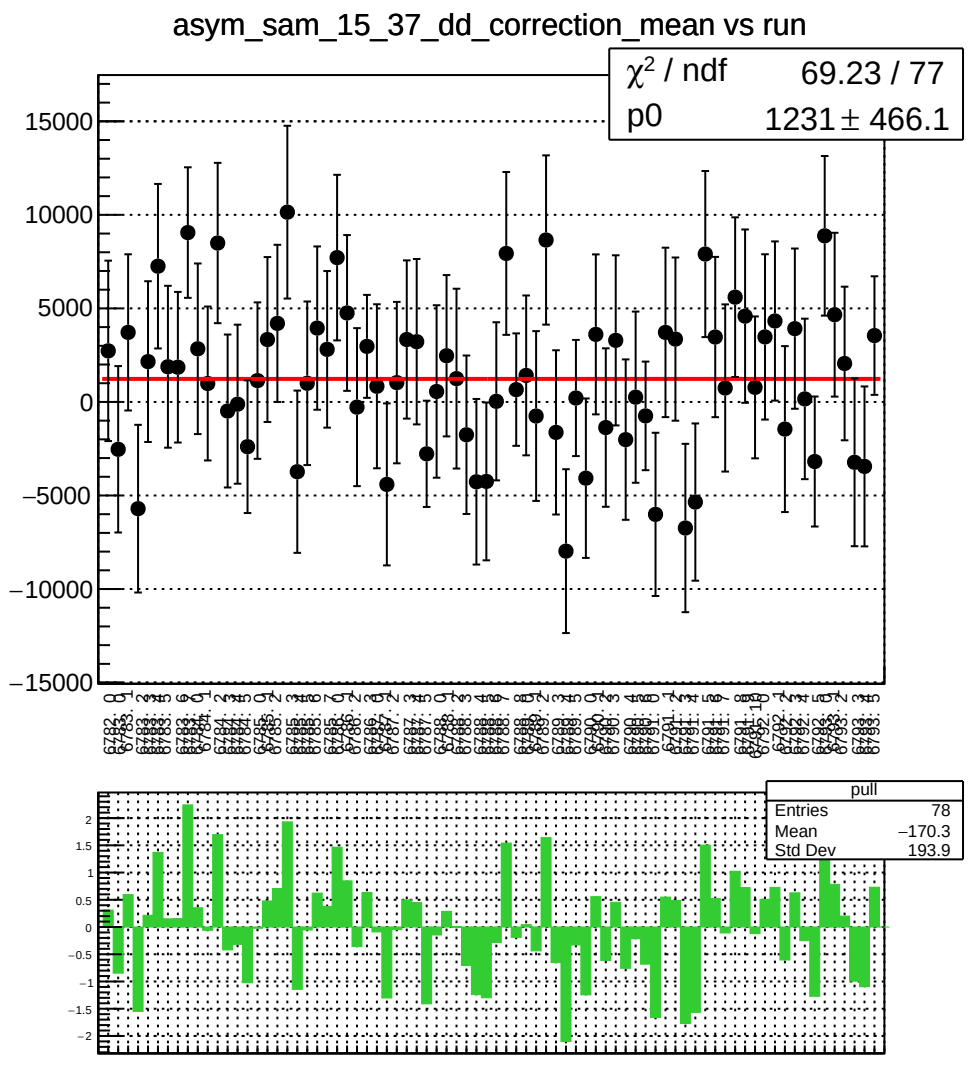

pull1D
Entries 78
Mean −0.007625
Std Dev 0.9839

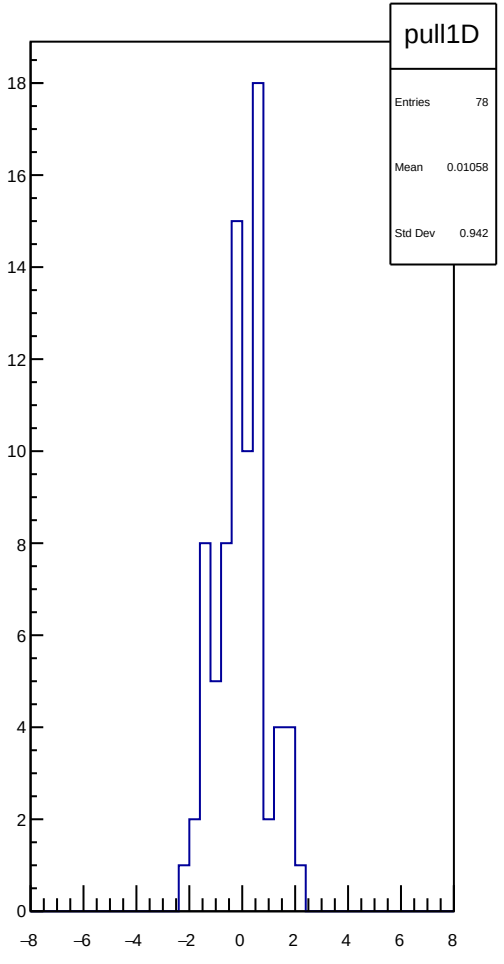

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.289e+04 / 77
p0 479.8 ± 0.3848
600
550
500
450
400

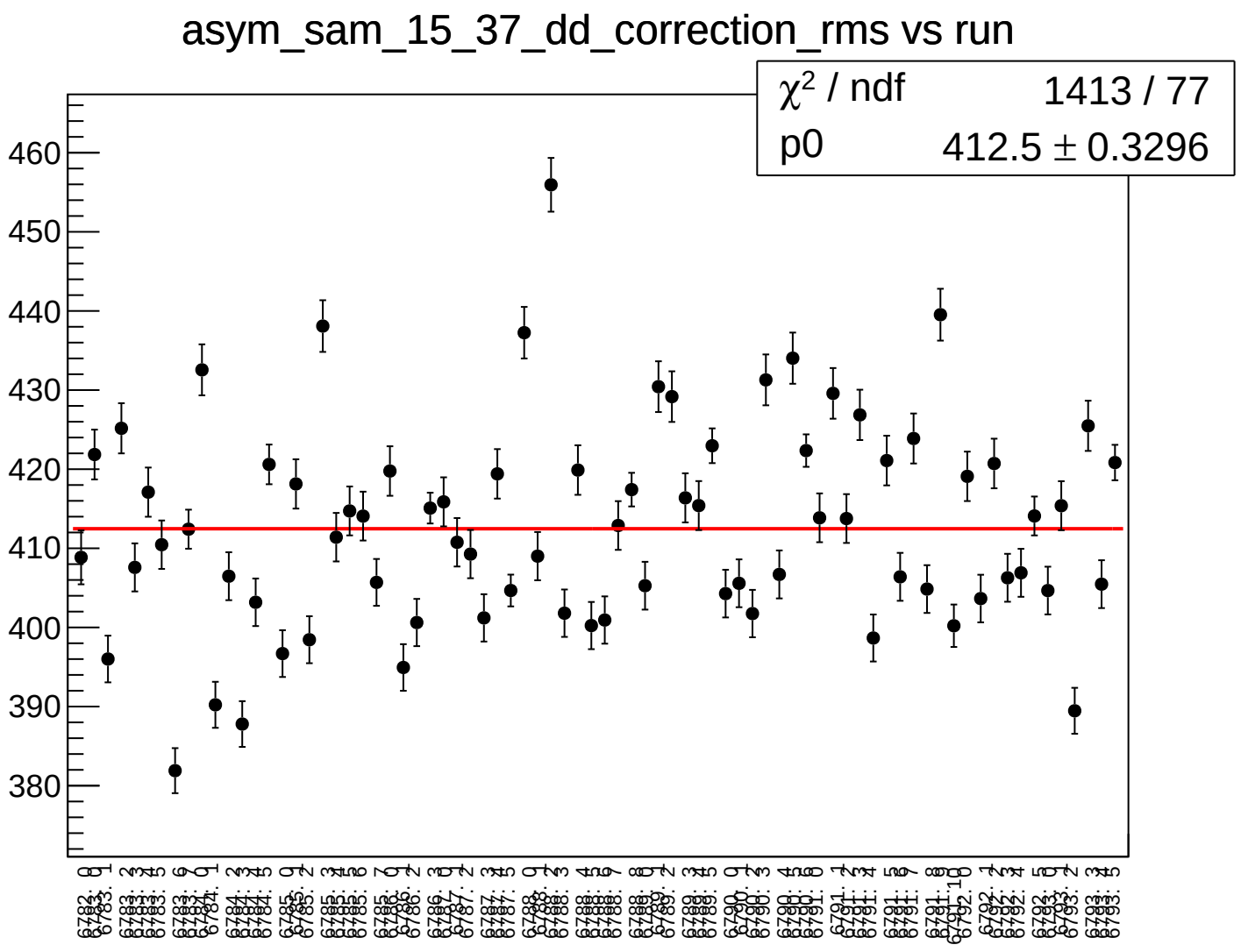

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.62 / 77
p0 −169.8 ± 52.76
pull
Entries 78
Mean −33.96
Std Dev 63.58

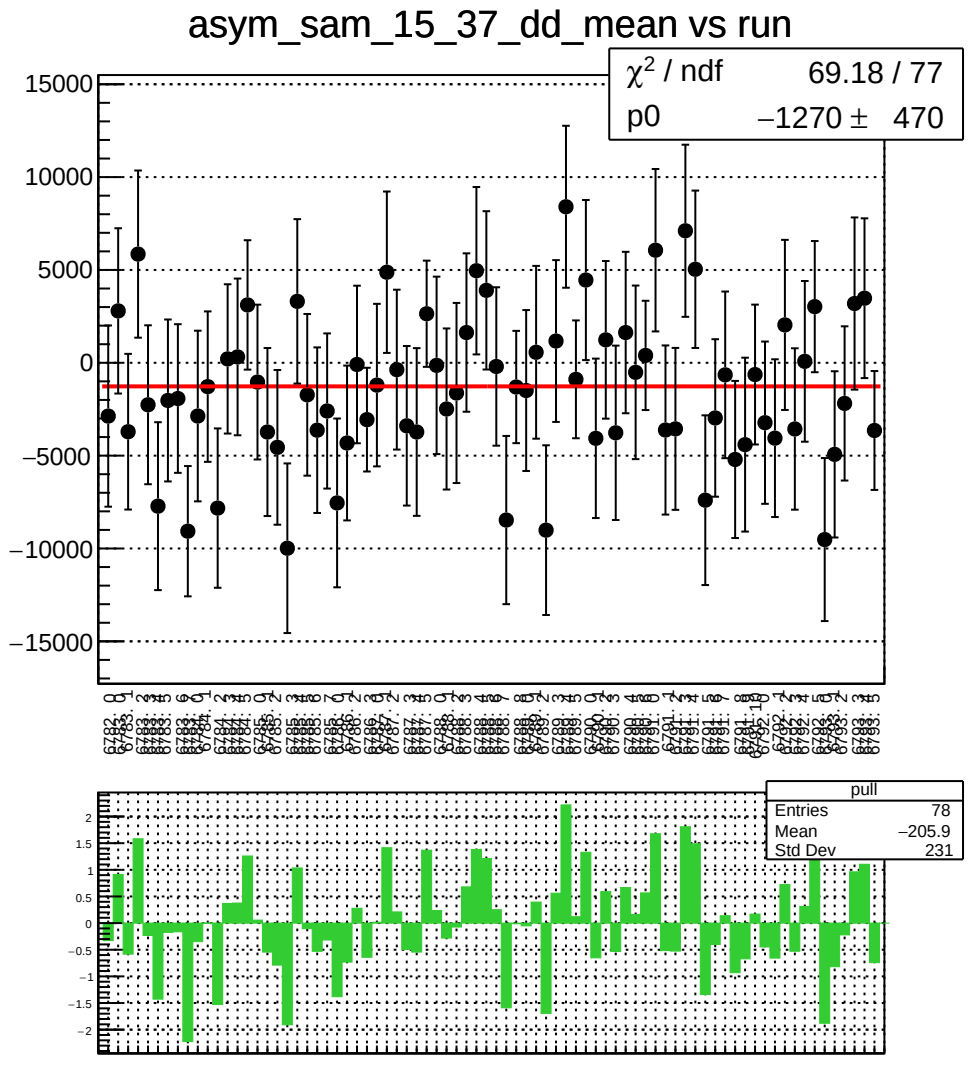

pull1D
Entries 78
Mean −0.02033
Std Dev 0.8053

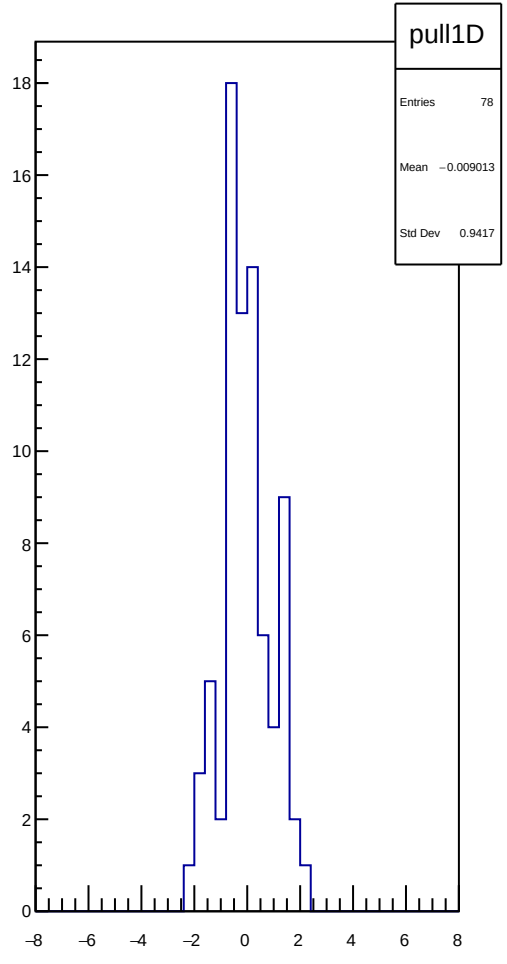

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 2631 / 77
p0 46.67 ± 0.03731
54
52
50
48
46
44
42

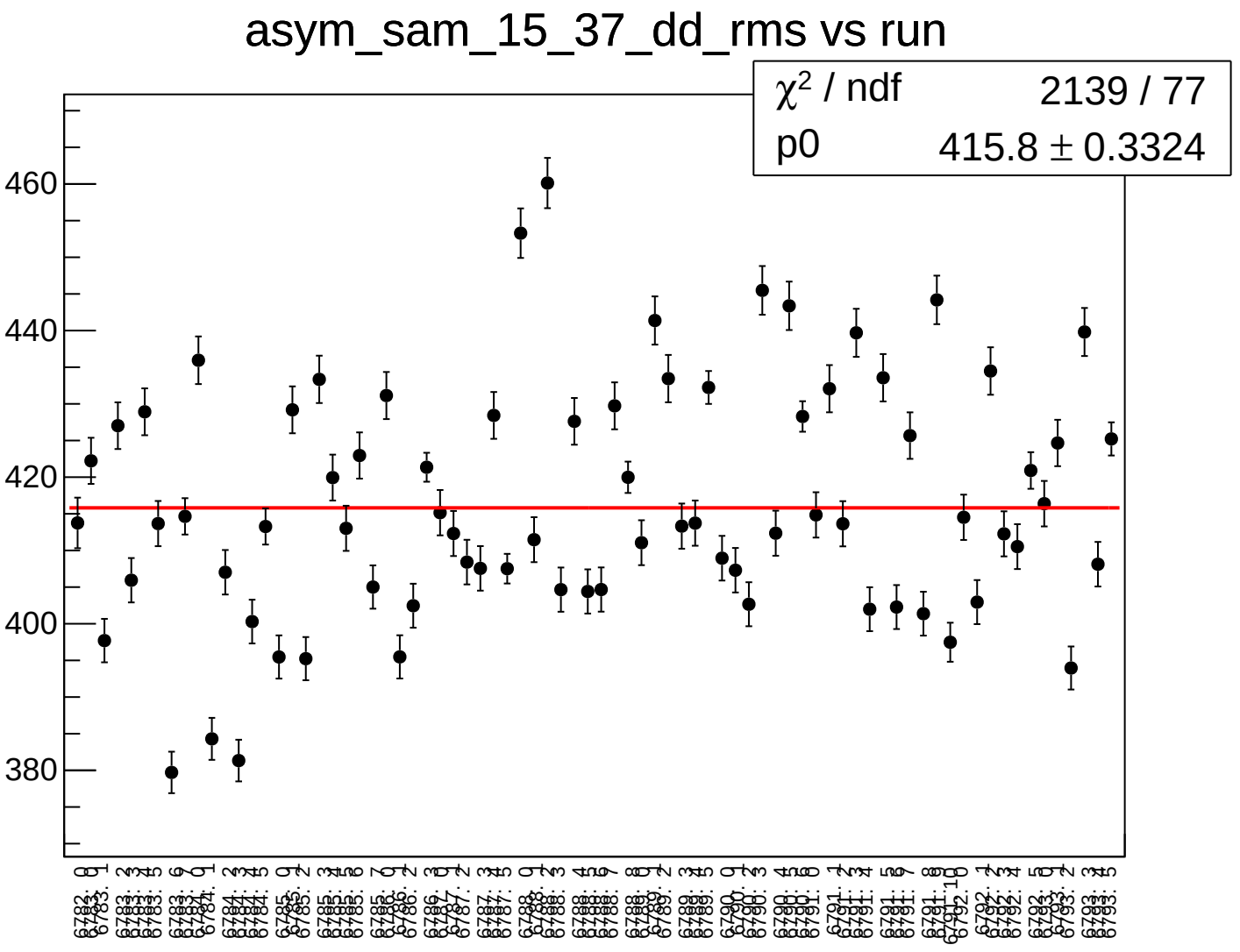

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 69.23 / 77
p0 1231 ± 466.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −170.3
Std Dev 193.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

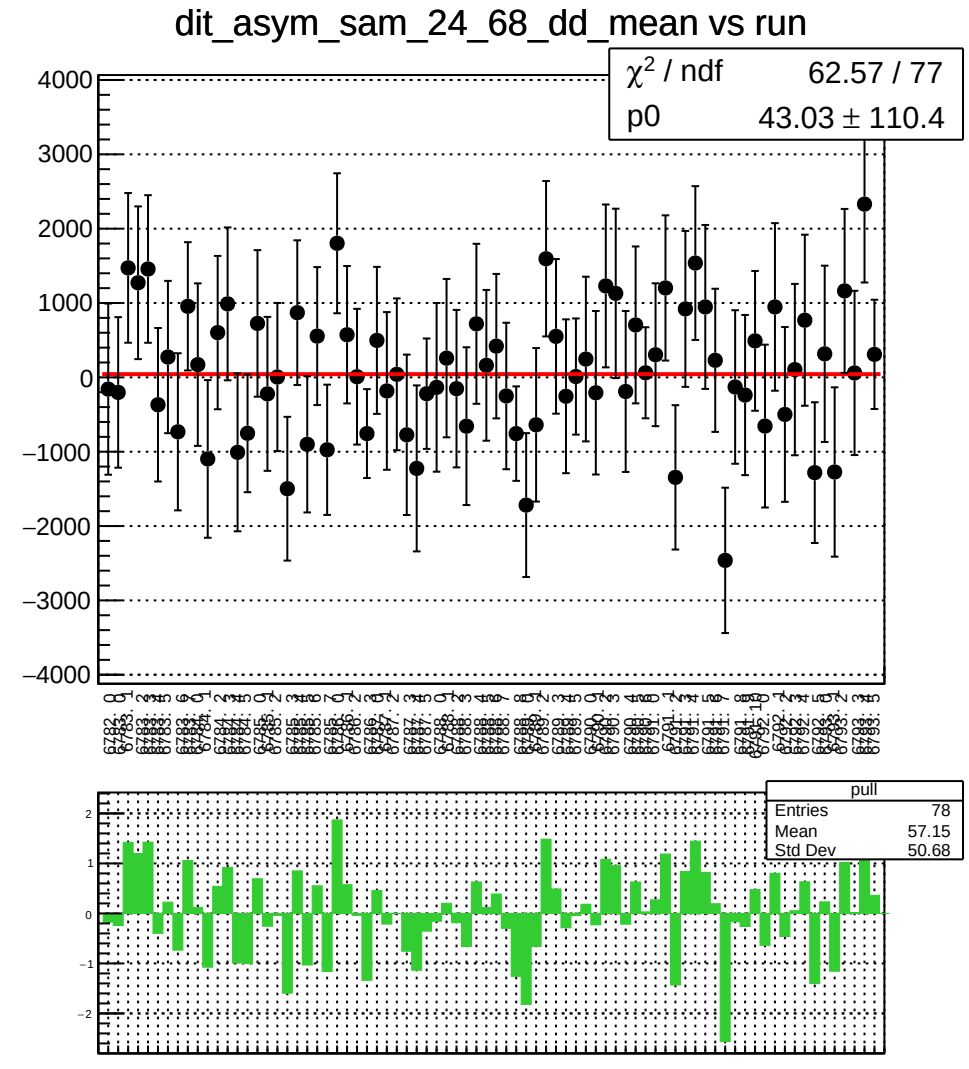

pull1D
Entries 78
Mean 0.01058
Std Dev 0.942
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

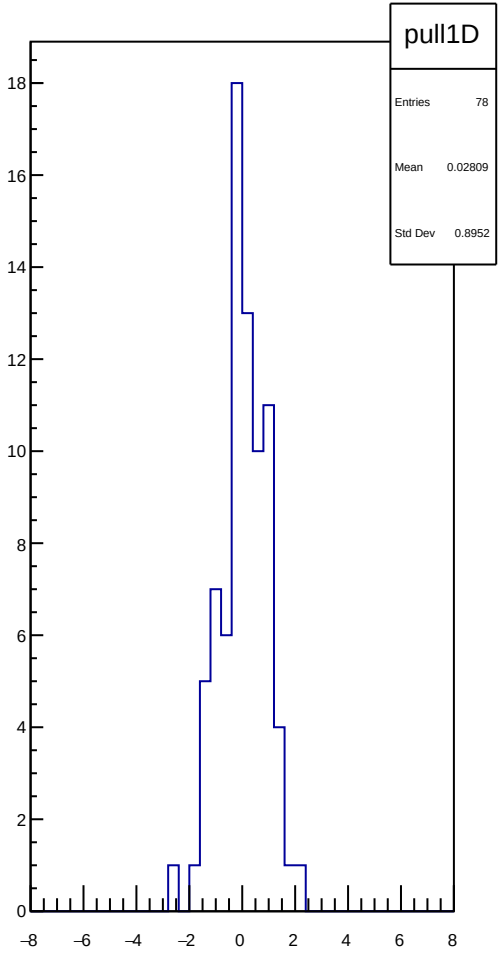

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1413 / 77
p0 412.5 ± 0.3296
460
450
440
430
420
410
400
390
380

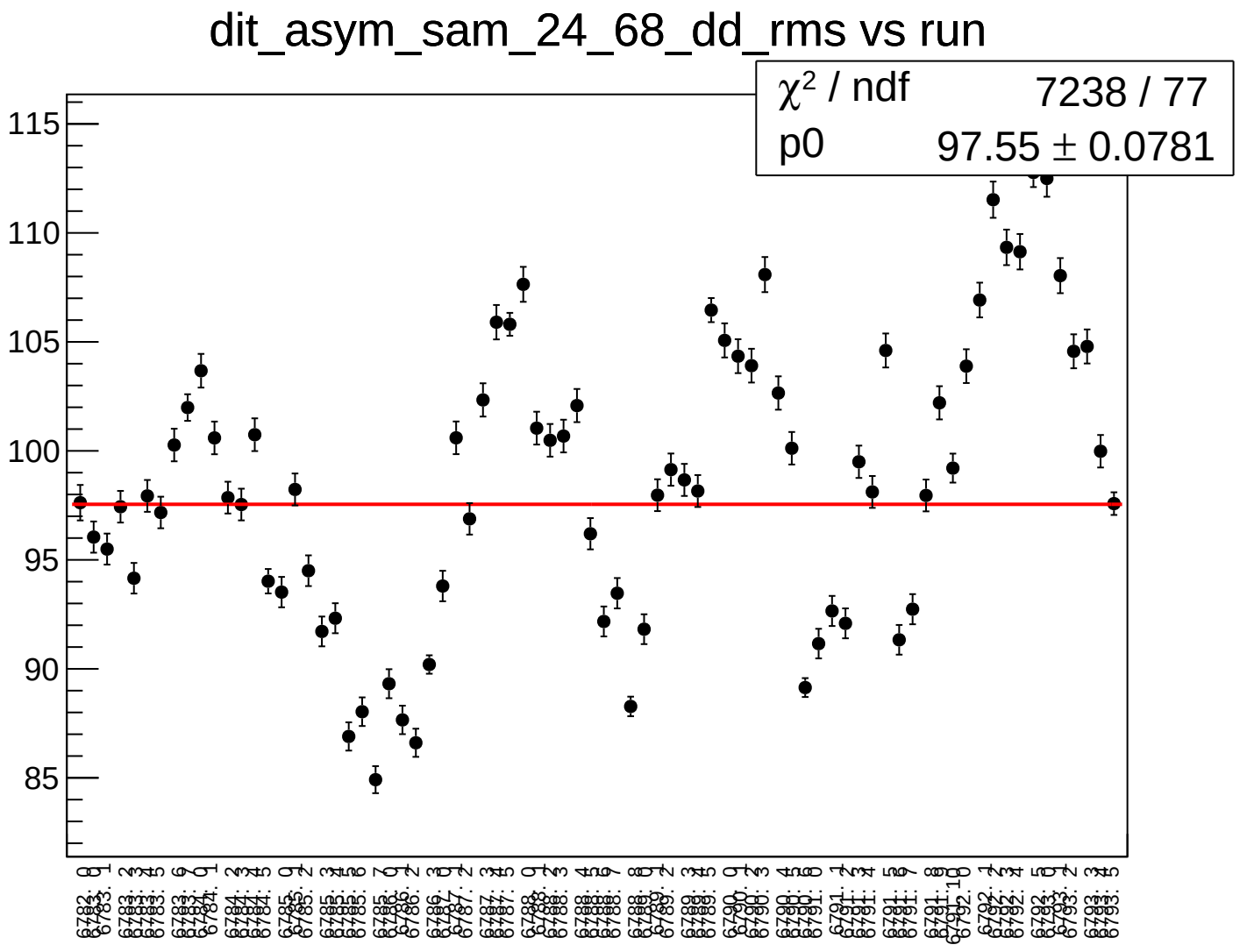

asym_sam_15_37_dd_mean vs run
χ² / ndf 69.18 / 77
p0 −1270 ± 470
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −205.9
Std Dev 231
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

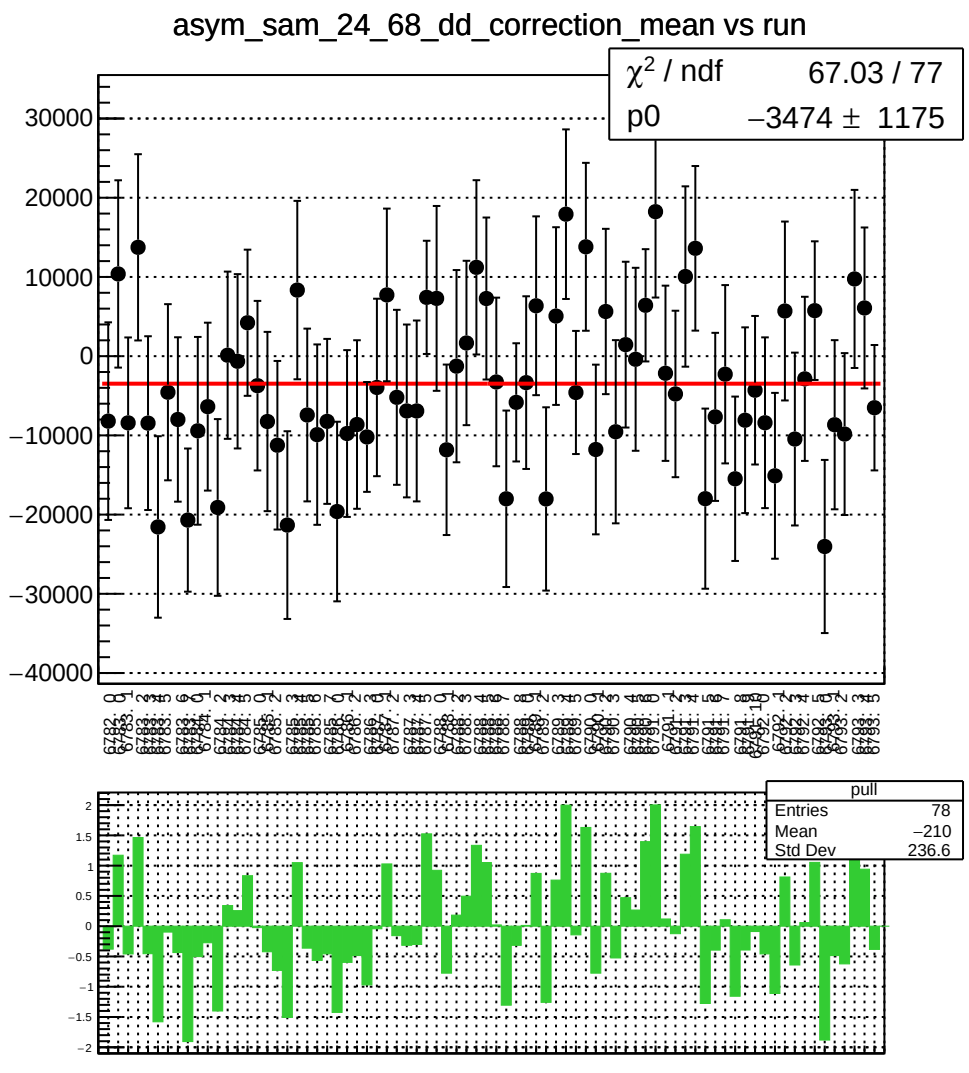

pull1D
Entries 78
Mean −0.009013
Std Dev 0.9417
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

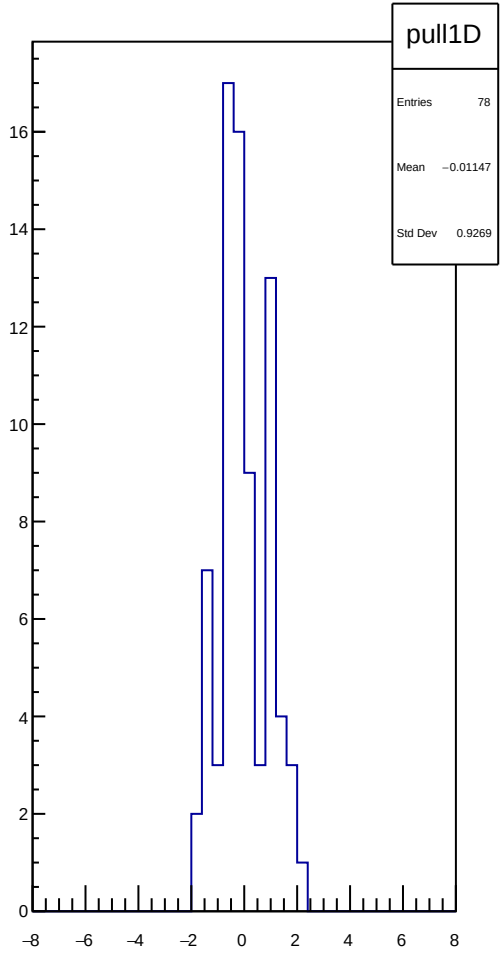

asym_sam_15_37_dd_rms vs run
χ² / ndf 2139 / 77
p0 415.8 ± 0.3324
460
440
420
400
380

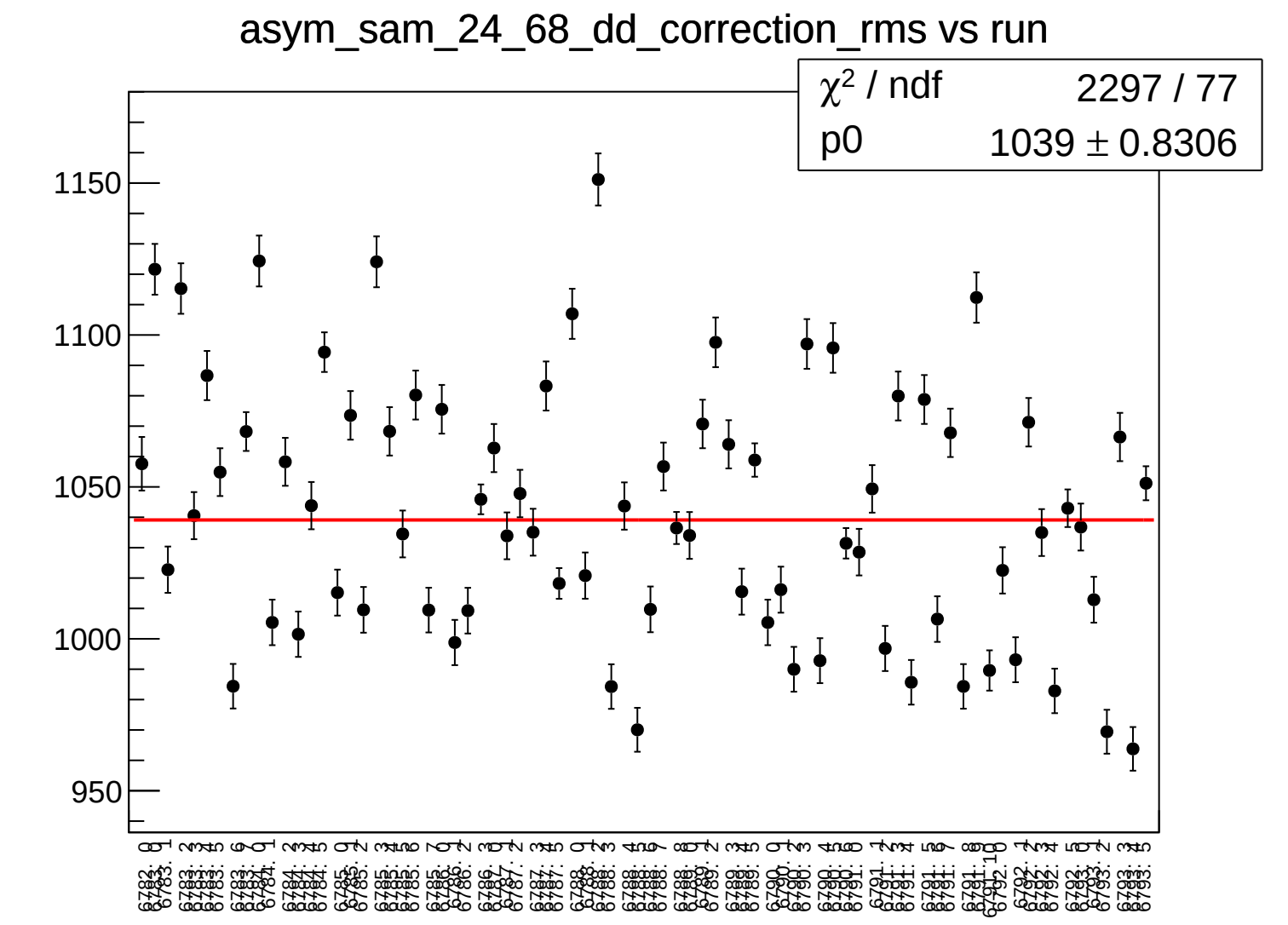

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 62.57 / 77
p0 43.03 ± 110.4
pull
Entries 78
Mean 57.15
Std Dev 50.68

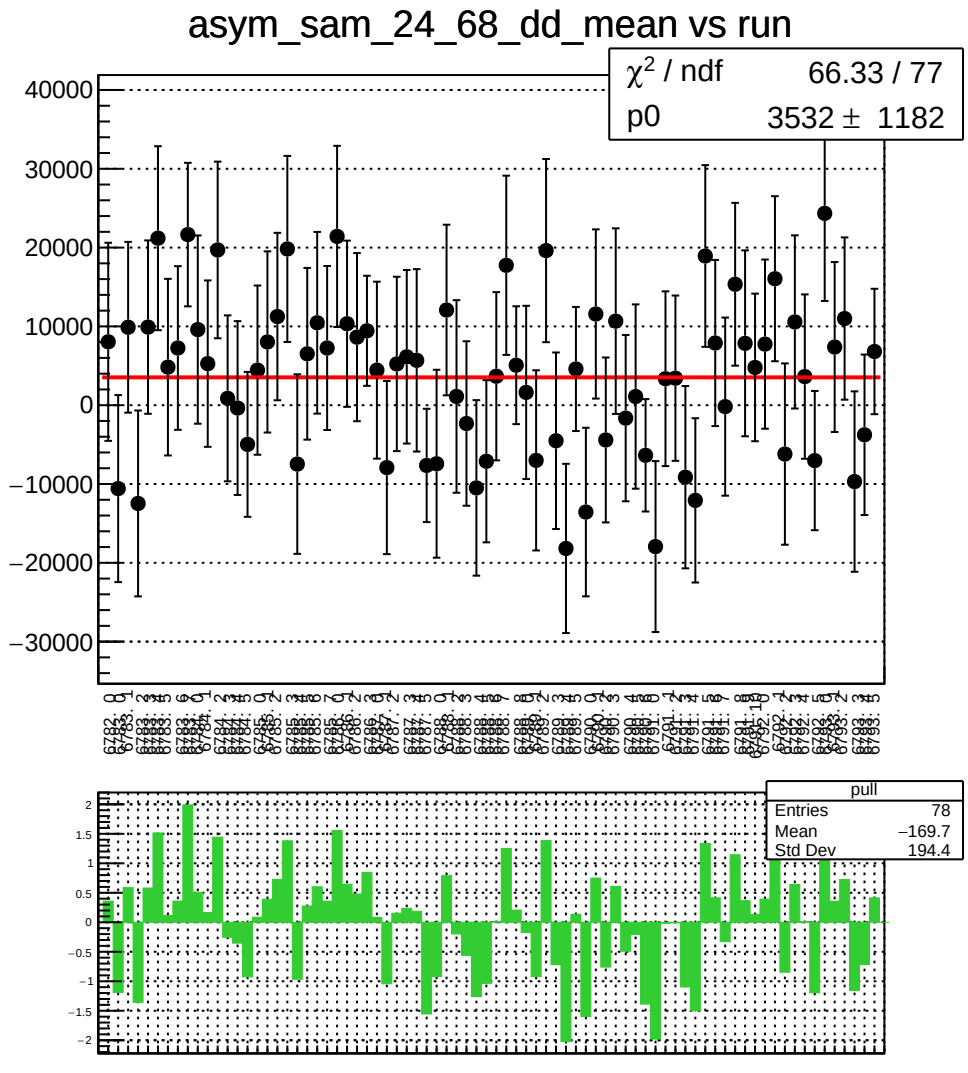

pull1D
Entries 78
Mean 0.02809
Std Dev 0.8952

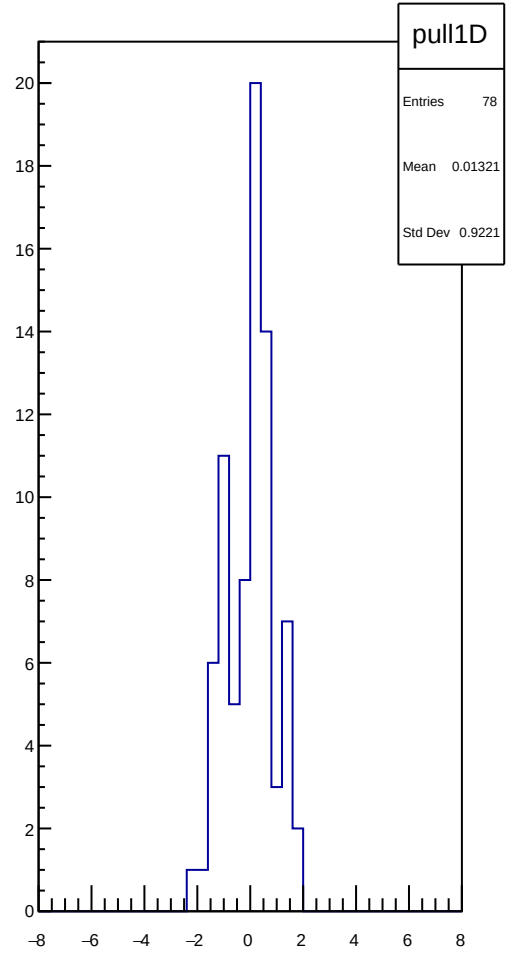

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 7238 / 77
p0 97.55 ± 0.0781
115
110
105
100
95
90
85

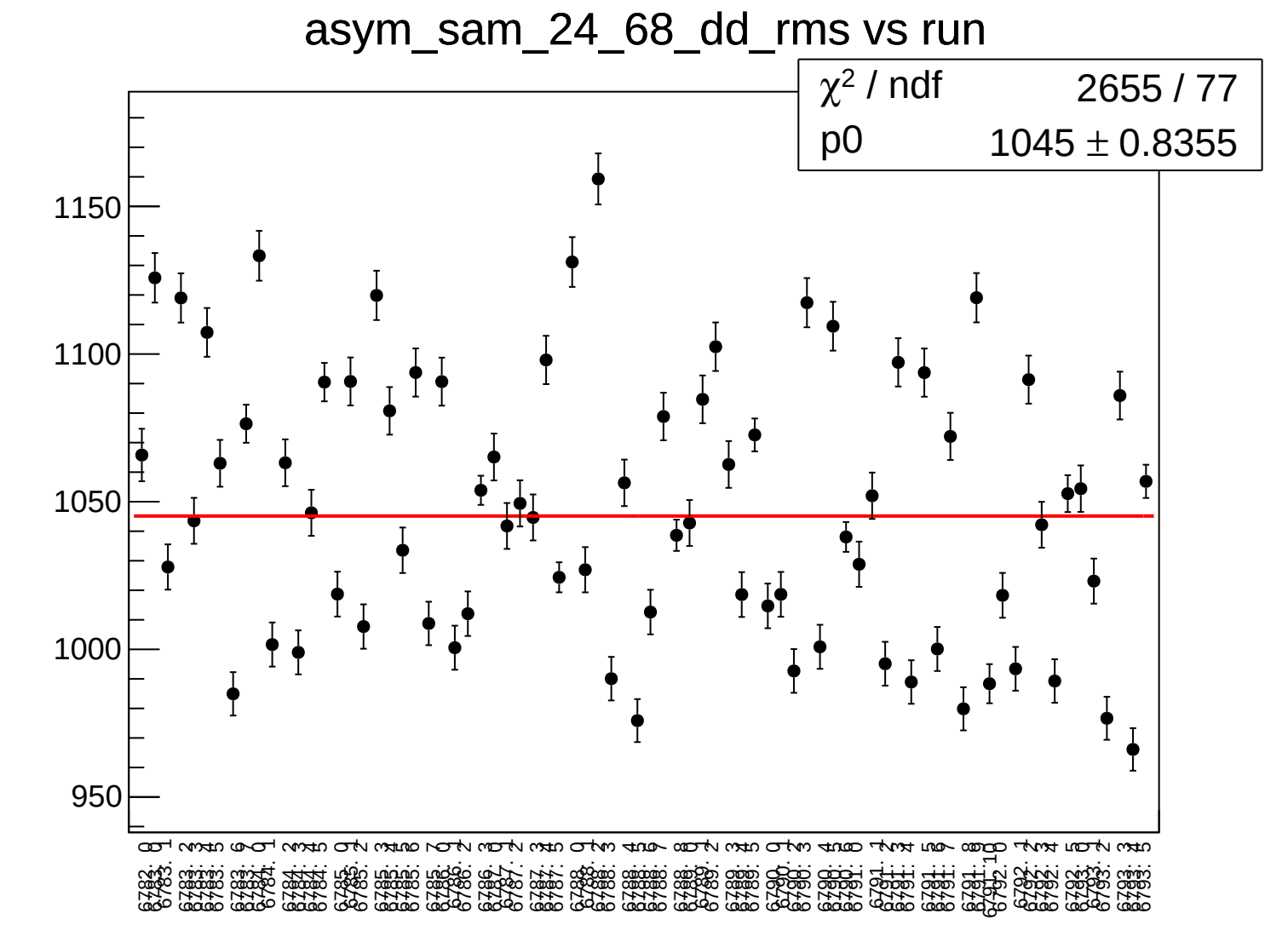

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 67.03 / 77
p0 −3474 ± 1175
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean −210
Std Dev 236.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

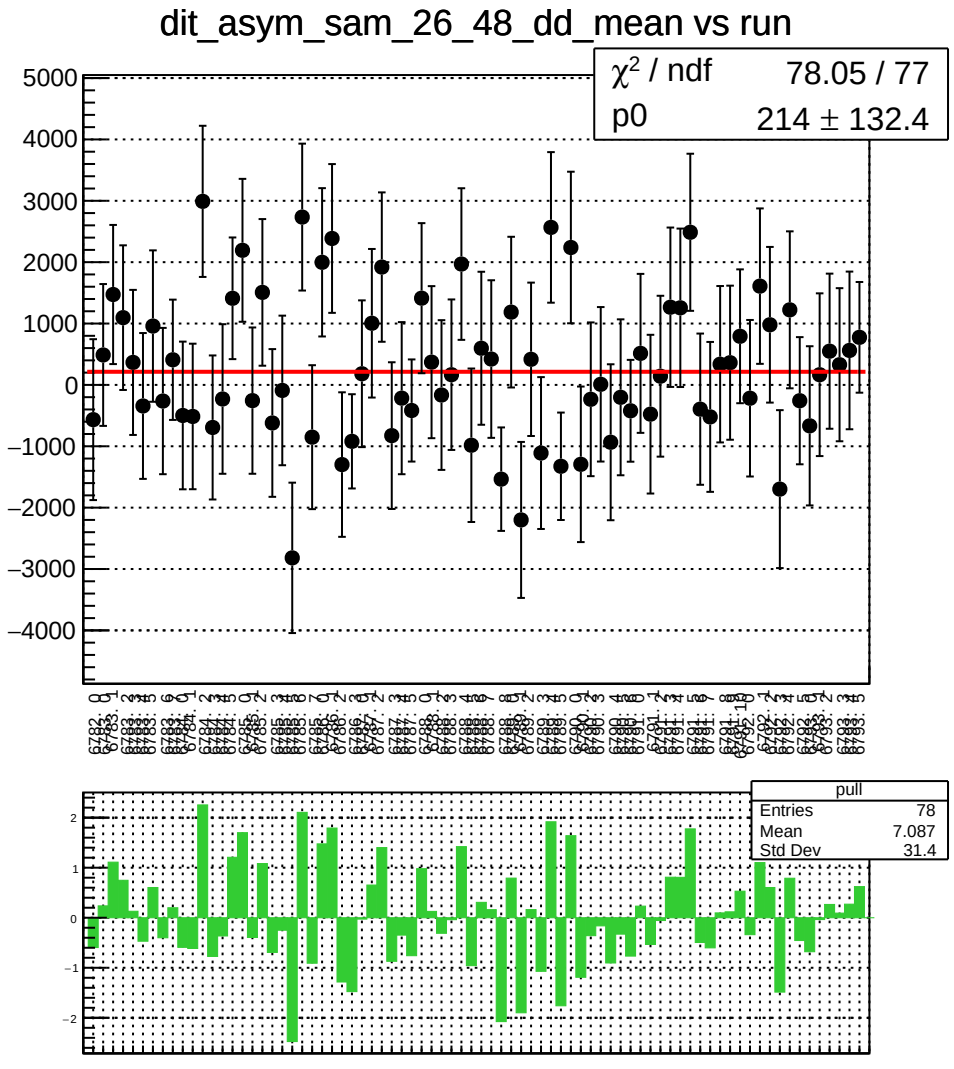

pull1D
Entries 78
Mean −0.01147
Std Dev 0.9269
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

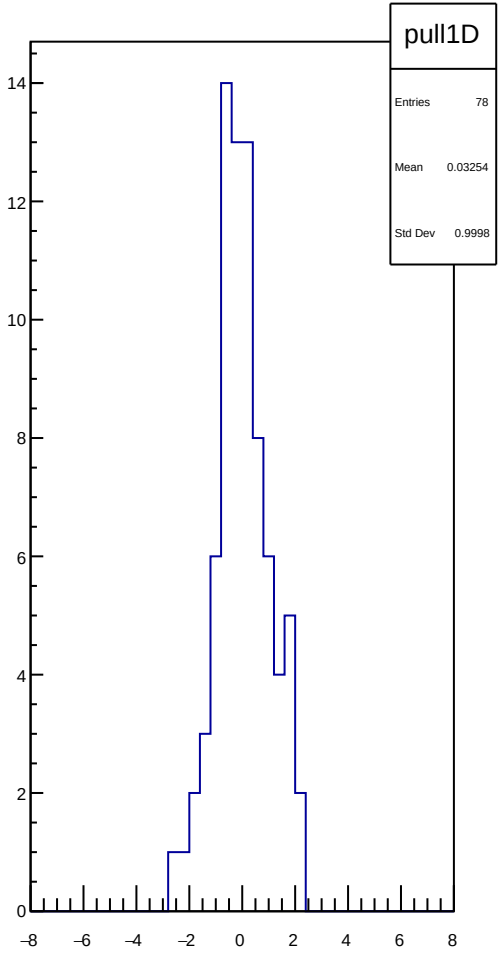

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2297 / 77
p0 1039 ± 0.8306
1150
1100
1050
1000
950

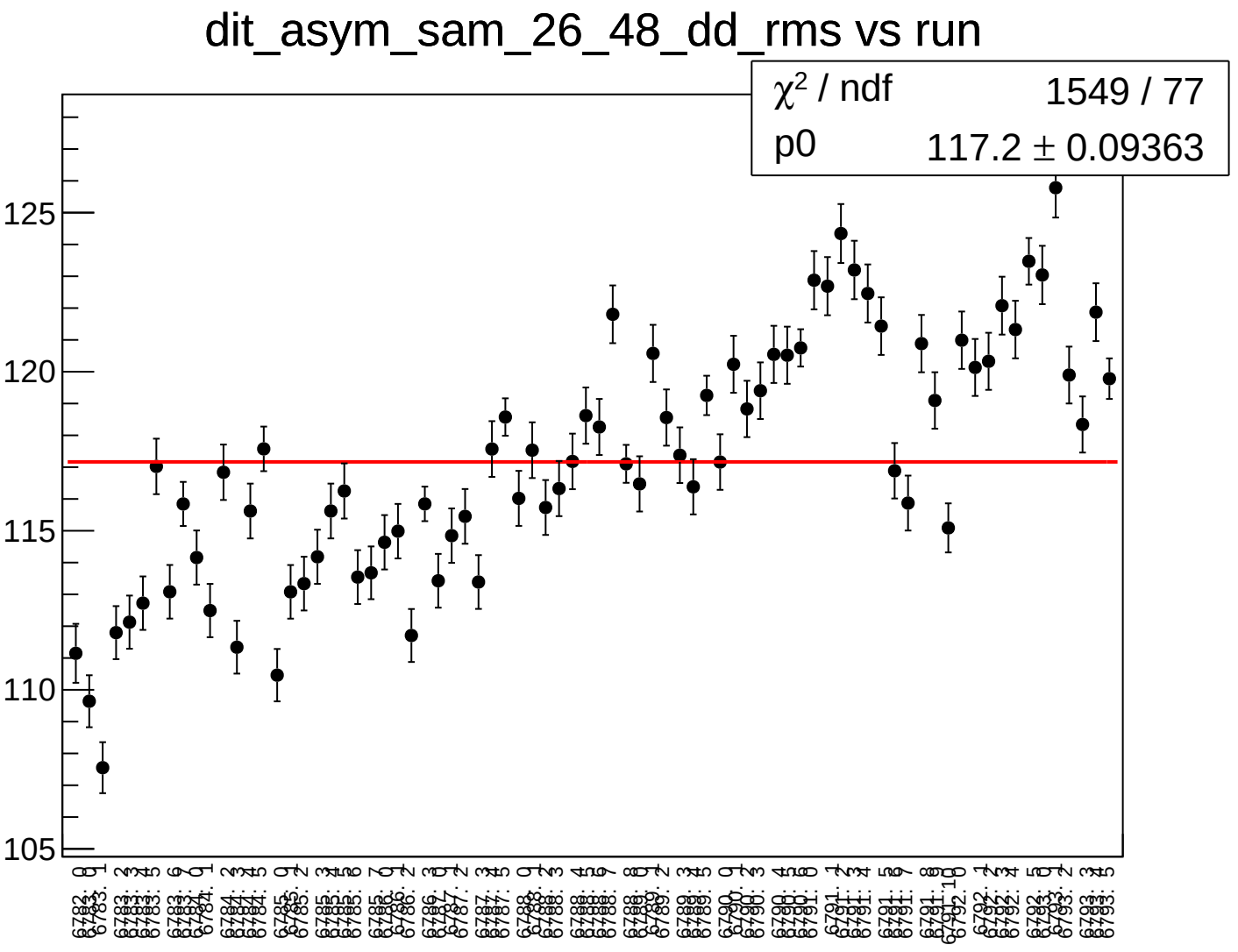

asym_sam_24_68_dd_mean vs run
χ² / ndf 66.33 / 77
p0 3532 ± 1182
pull
Entries 78
Mean −169.7
Std Dev 194.4

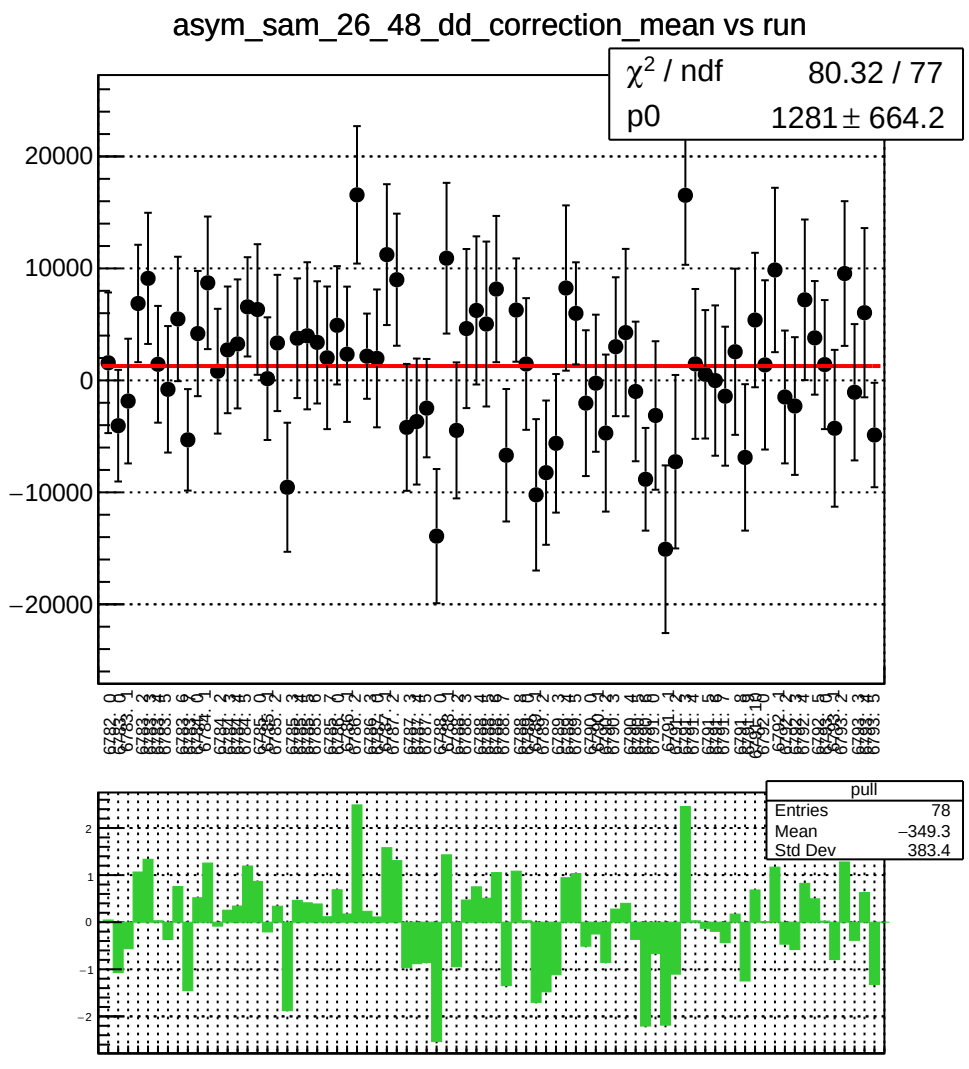

pull1D
Entries 78
Mean 0.01321
Std Dev 0.9221

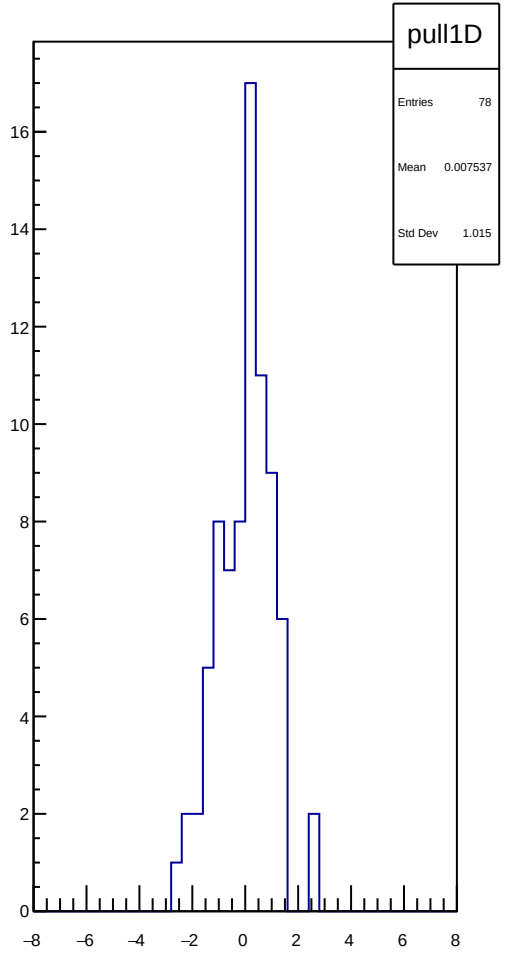

asym_sam_24_68_dd_rms vs run
χ² / ndf 2655 / 77
p0 1045 ± 0.8355
1150
1100
1050
1000
950

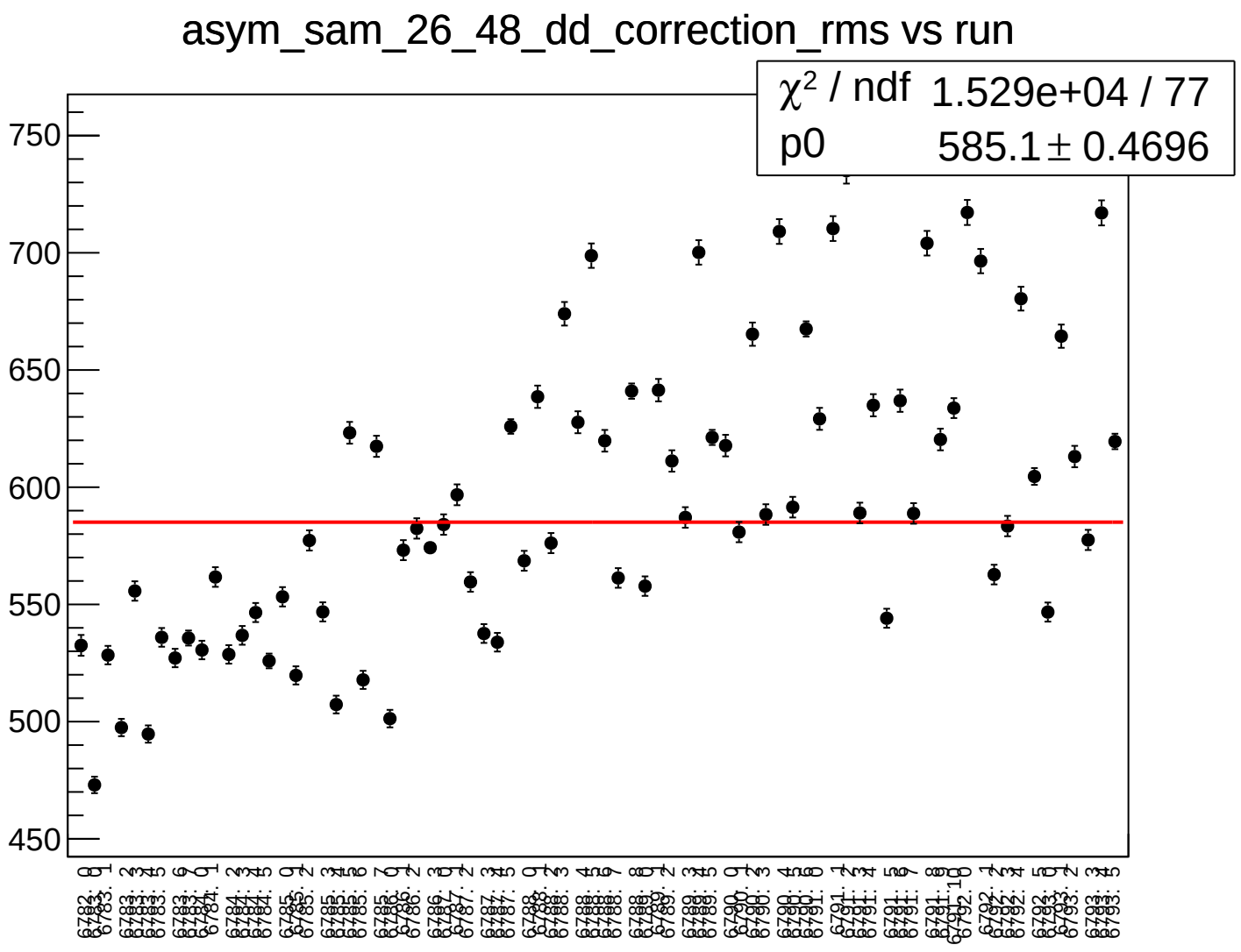

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.05 / 77
p0 214 ± 132.4
pull
Entries 78
Mean 7.087
Std Dev 31.4

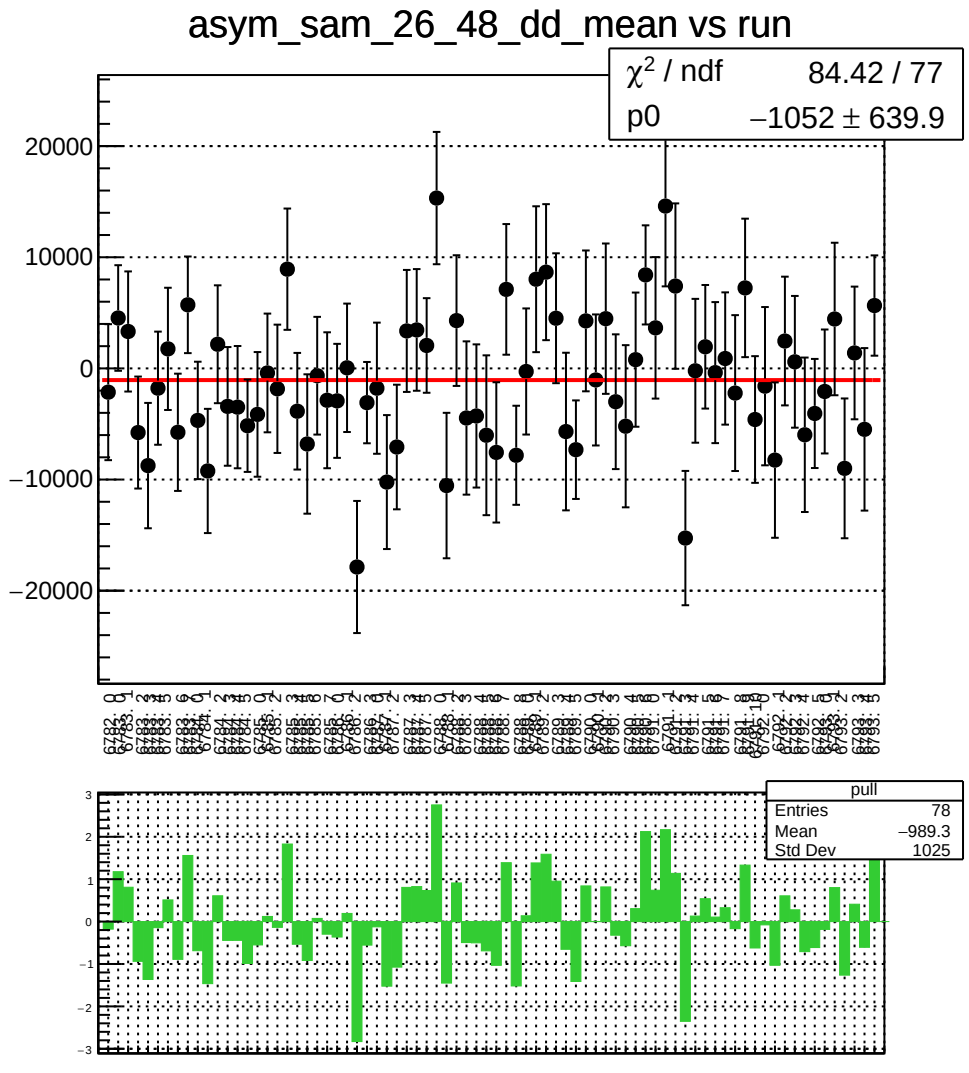

pull1D
Entries 78
Mean 0.03254
Std Dev 0.9998

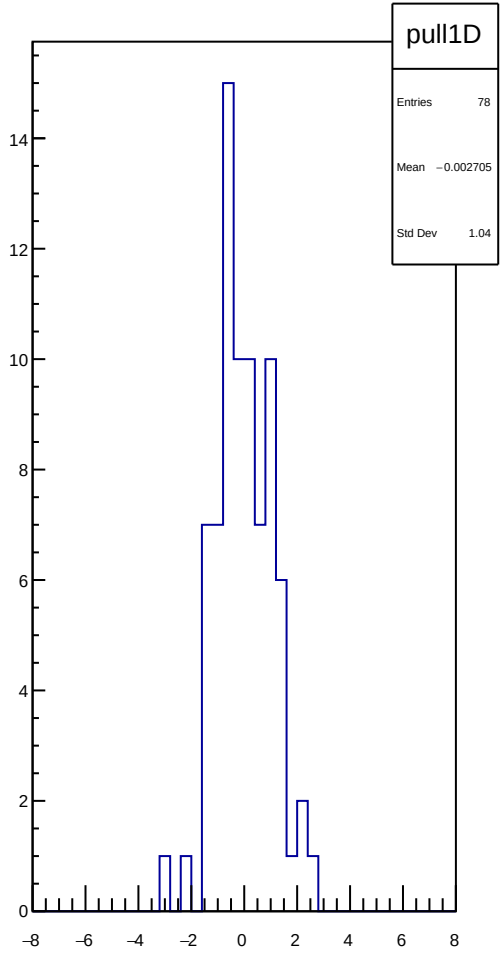

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1549 / 77
p0 117.2 ± 0.09363
125
120
115
110
105

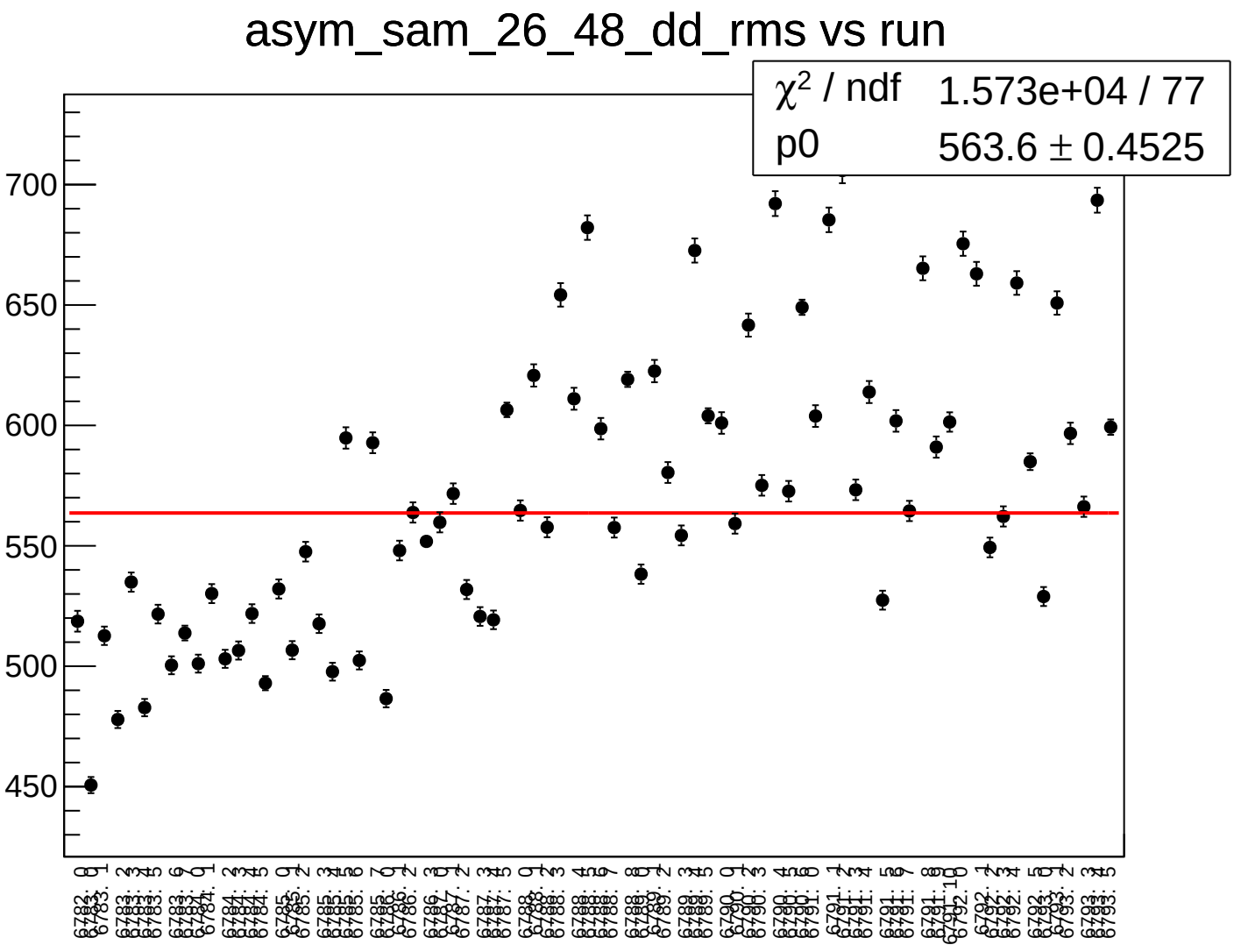

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 80.32 / 77
p0 1281 ± 664.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −349.3
Std Dev 383.4
2
1
0
−1
−2

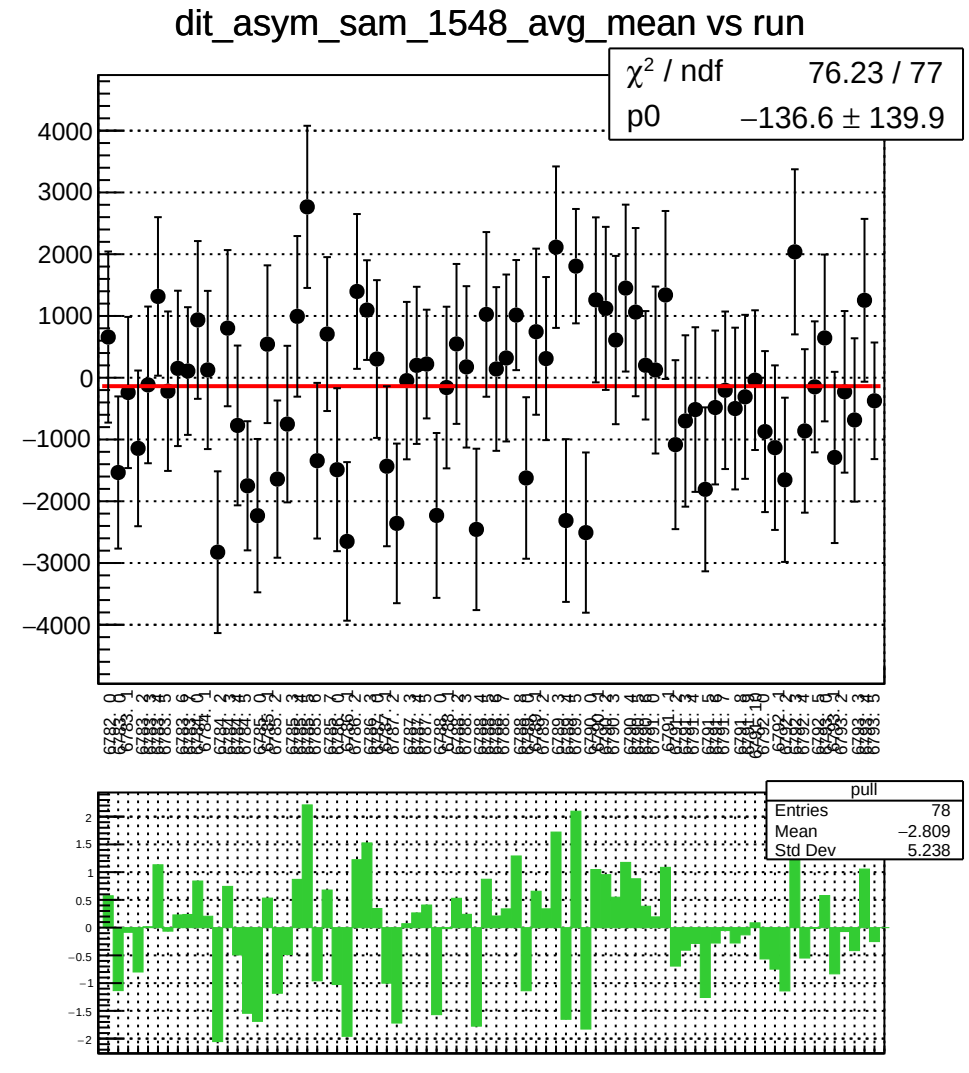

pull1D
Entries 78
Mean 0.007537
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

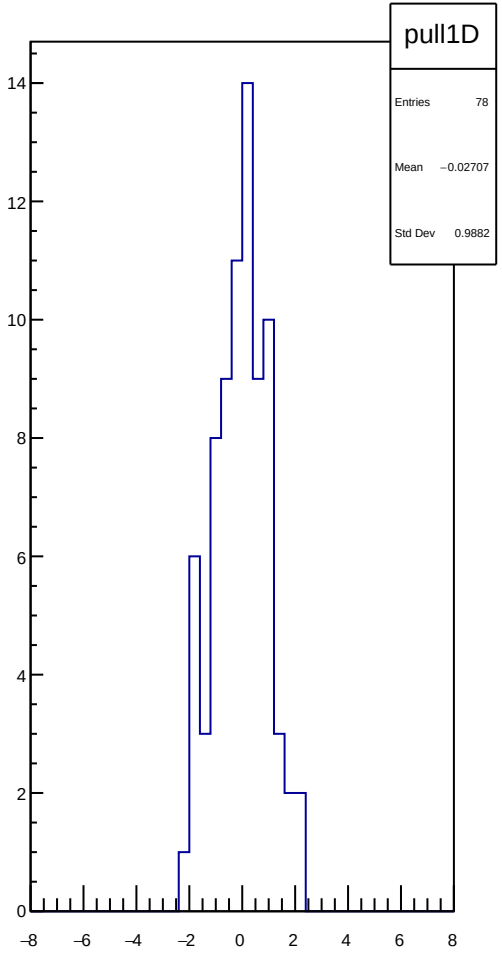

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.529e+04 / 77
p0 585.1 ± 0.4696
750
700
650
600
550
500
450

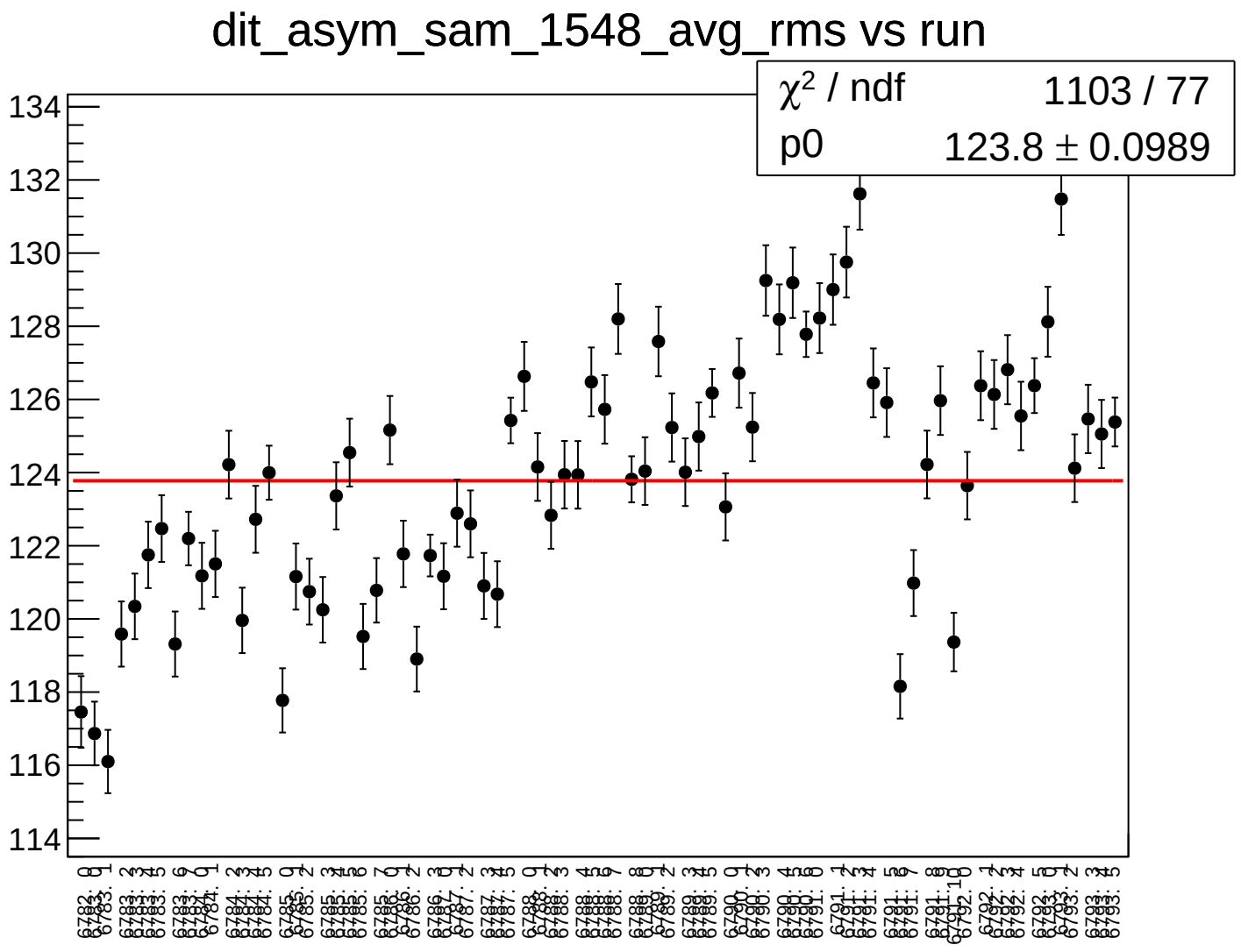

asym_sam_26_48_dd_mean vs run
χ² / ndf 84.42 / 77
p0 −1052 ± 639.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −989.3
Std Dev 1025
3
2
1
0
−1
−2
−3

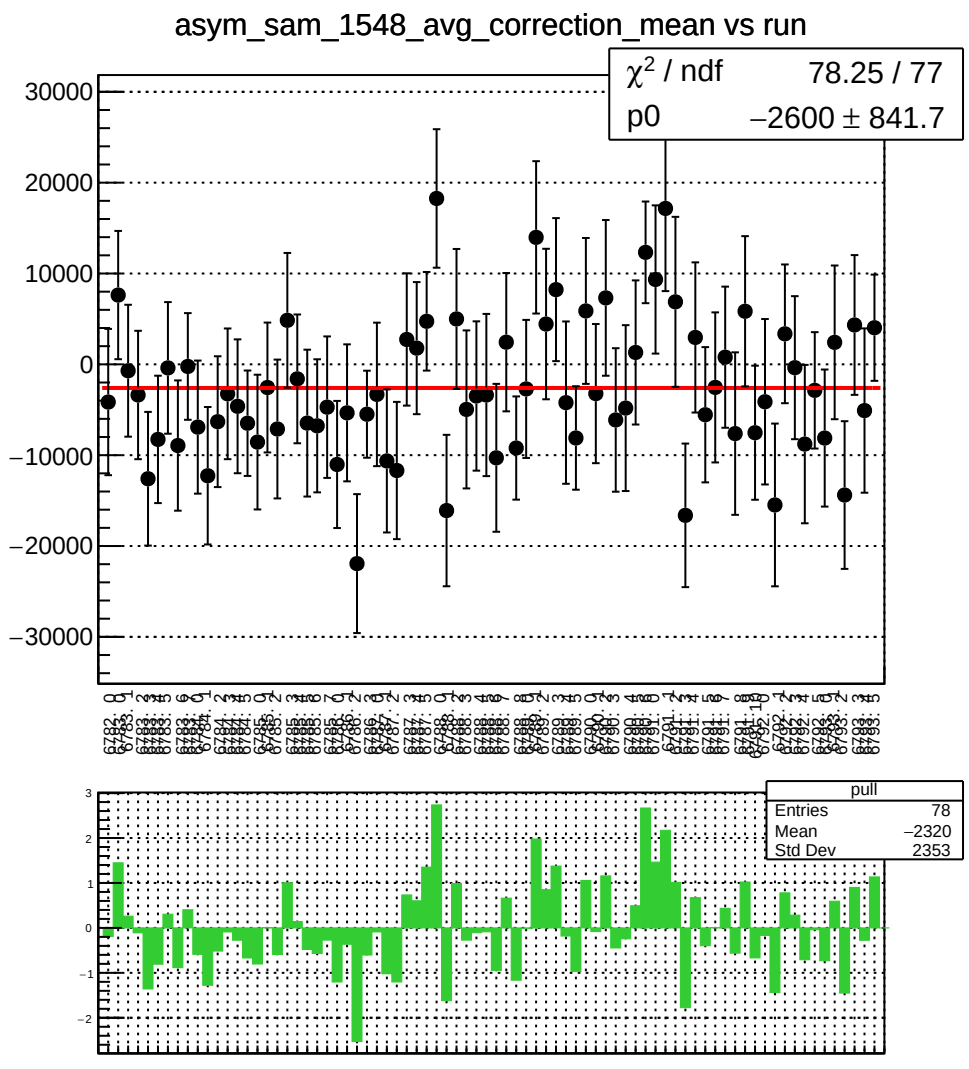

pull1D
Entries 78
Mean −0.002705
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

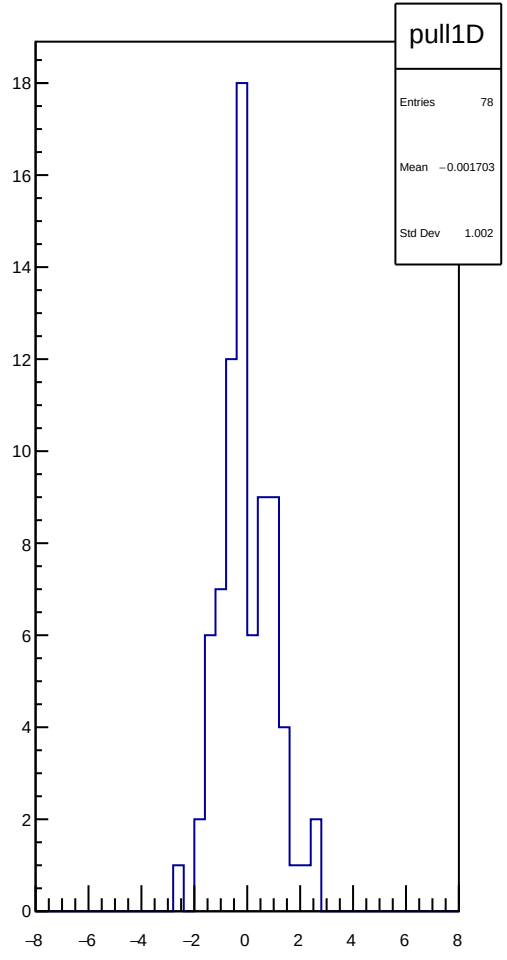

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.573e+04 / 77
p0 563.6 ± 0.4525
700
650
600
550
500
450

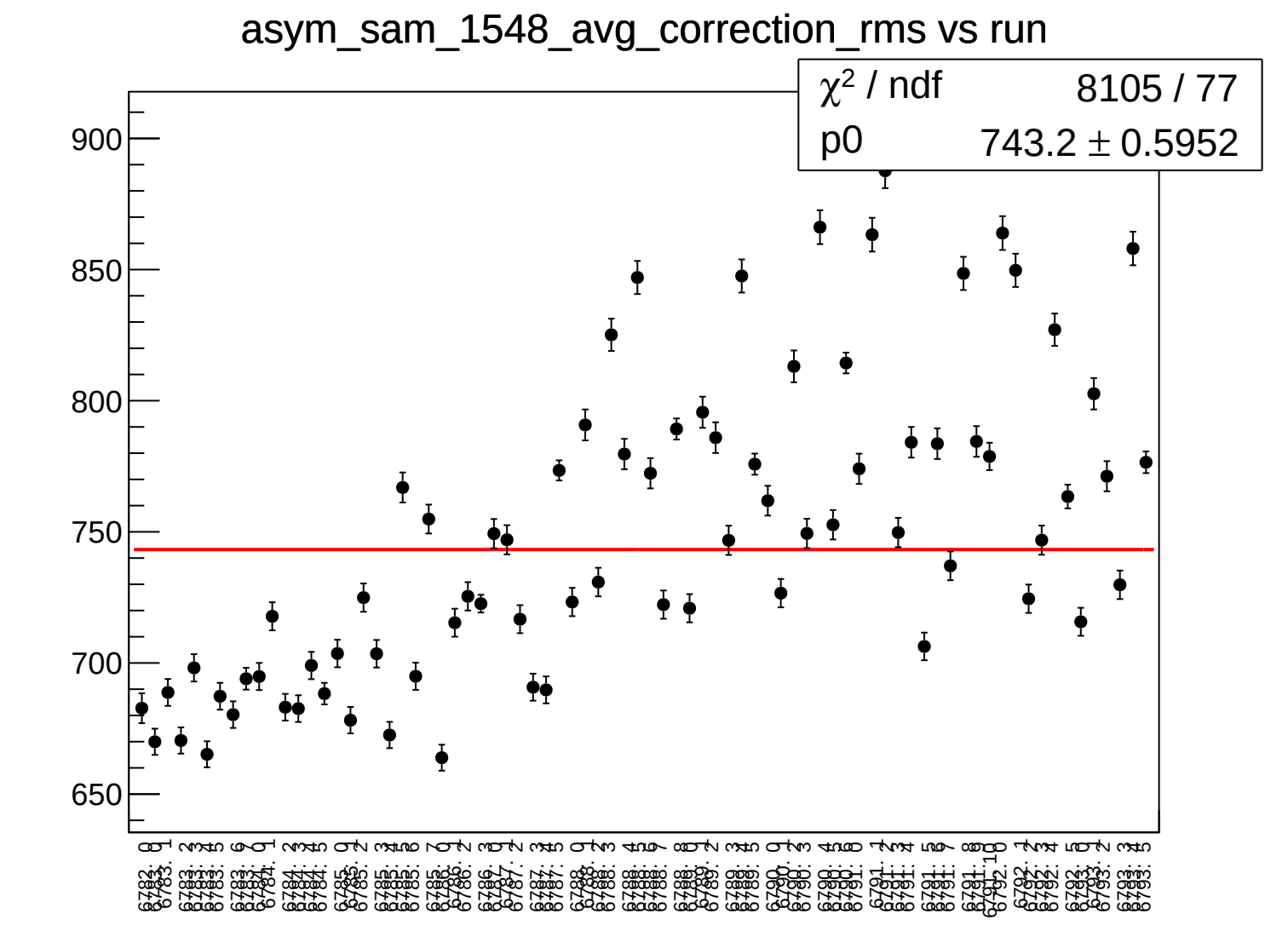

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 76.23 / 77
p0 −136.6 ± 139.9
pull
Entries 78
Mean −2.809
Std Dev 5.238

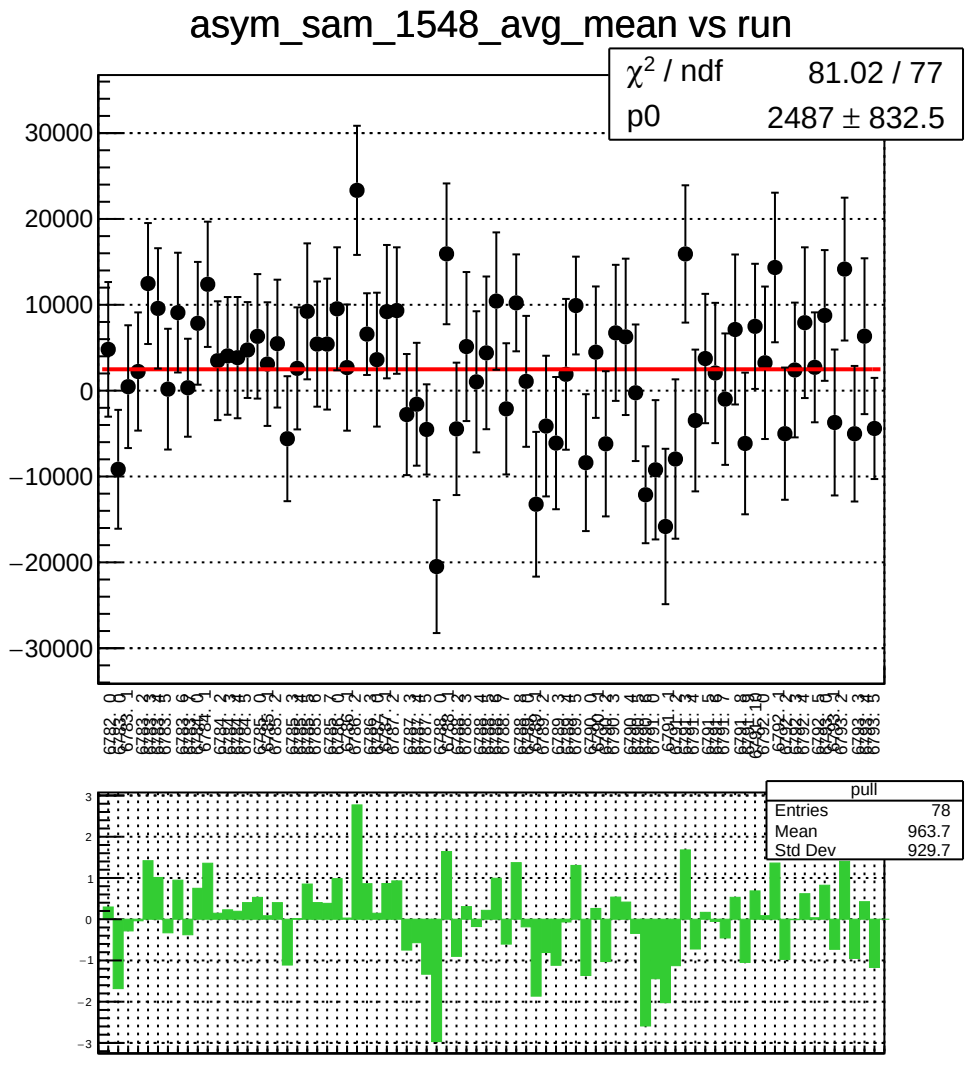

pull1D
Entries 78
Mean −0.02707
Std Dev 0.9882

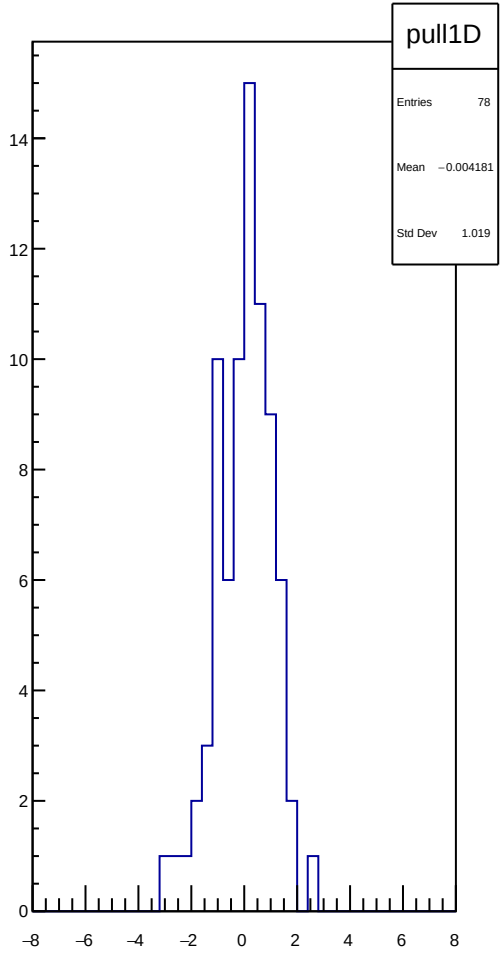

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1103 / 77
p0 123.8 ± 0.0989
134
132
130
128
126
124
122
120
118
116
114

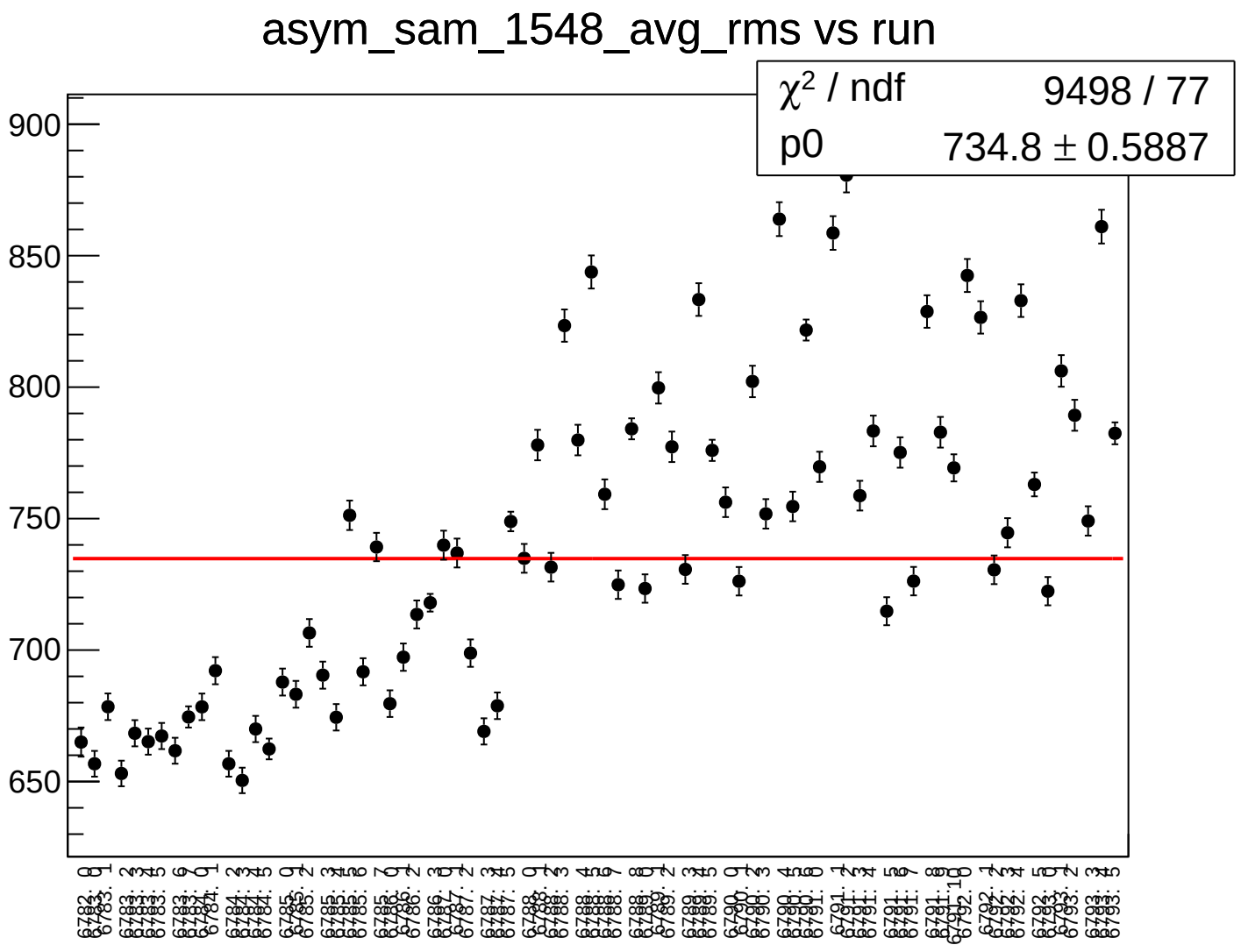

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 78.25 / 77
p0 −2600 ± 841.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −2320
Std Dev 2353
3
2
1
0
−1
−2

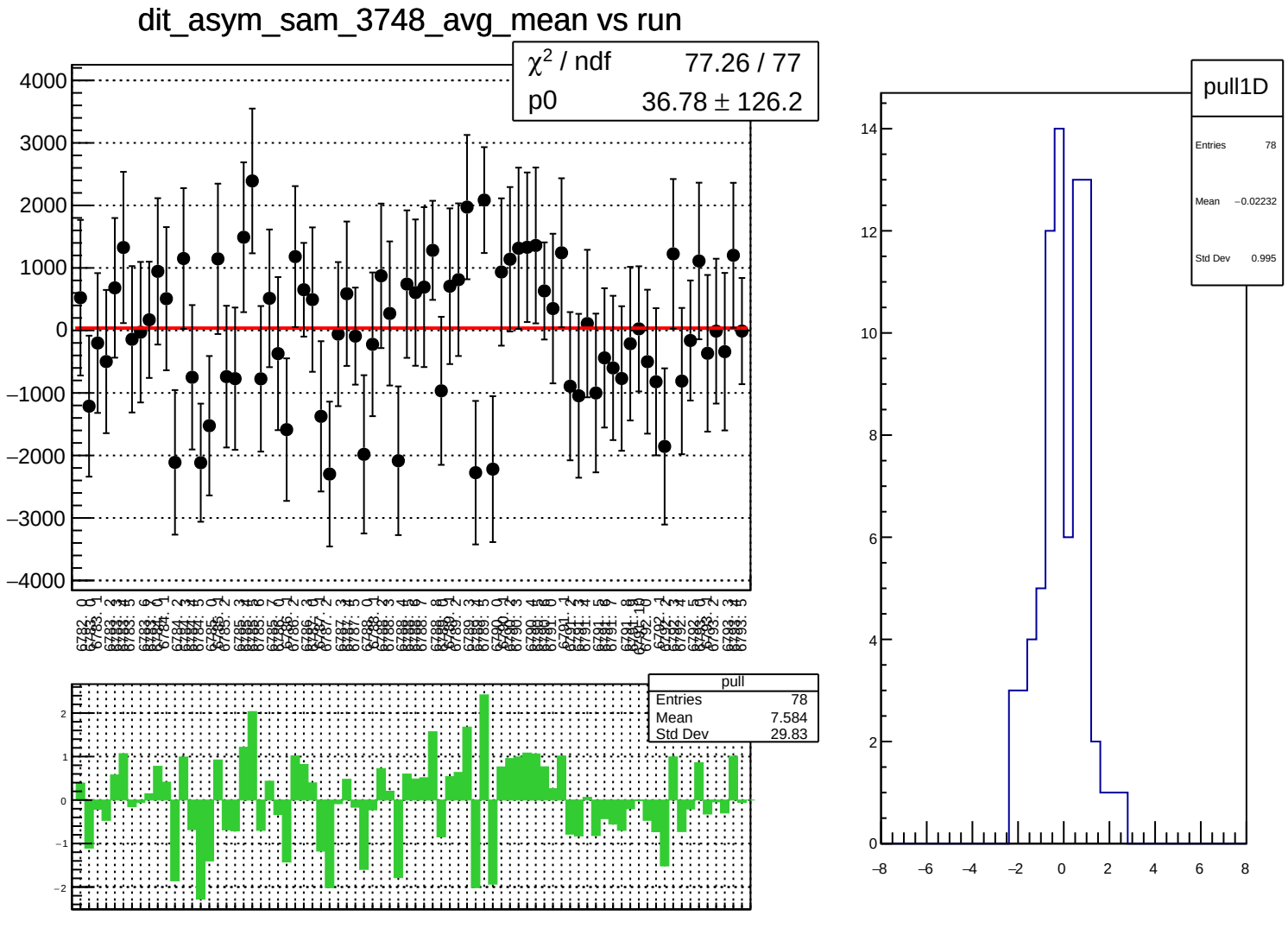

pull1D
Entries 78
Mean −0.001703
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

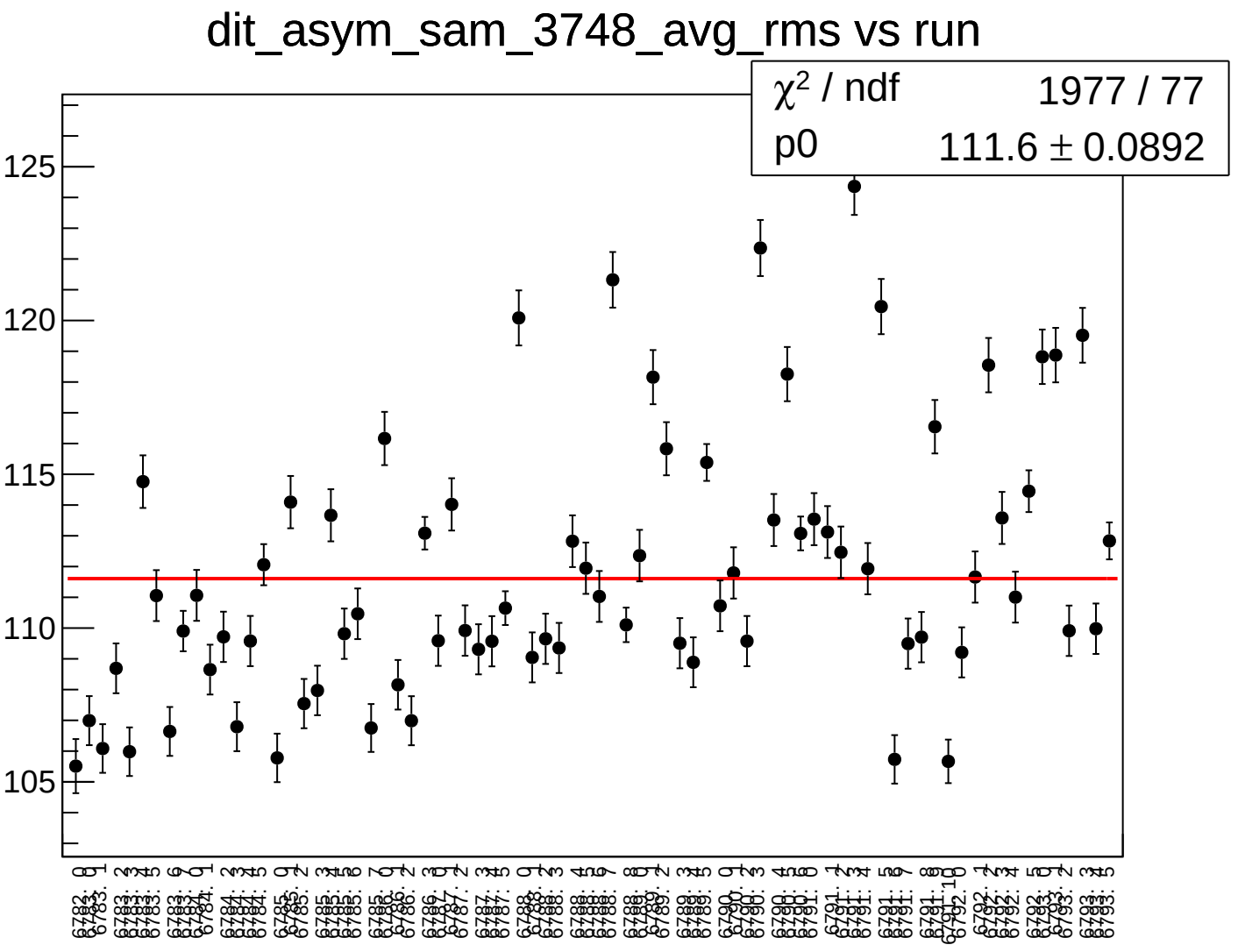

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 8105 / 77
p0 743.2 ± 0.5952
900
850
800
750
700
650

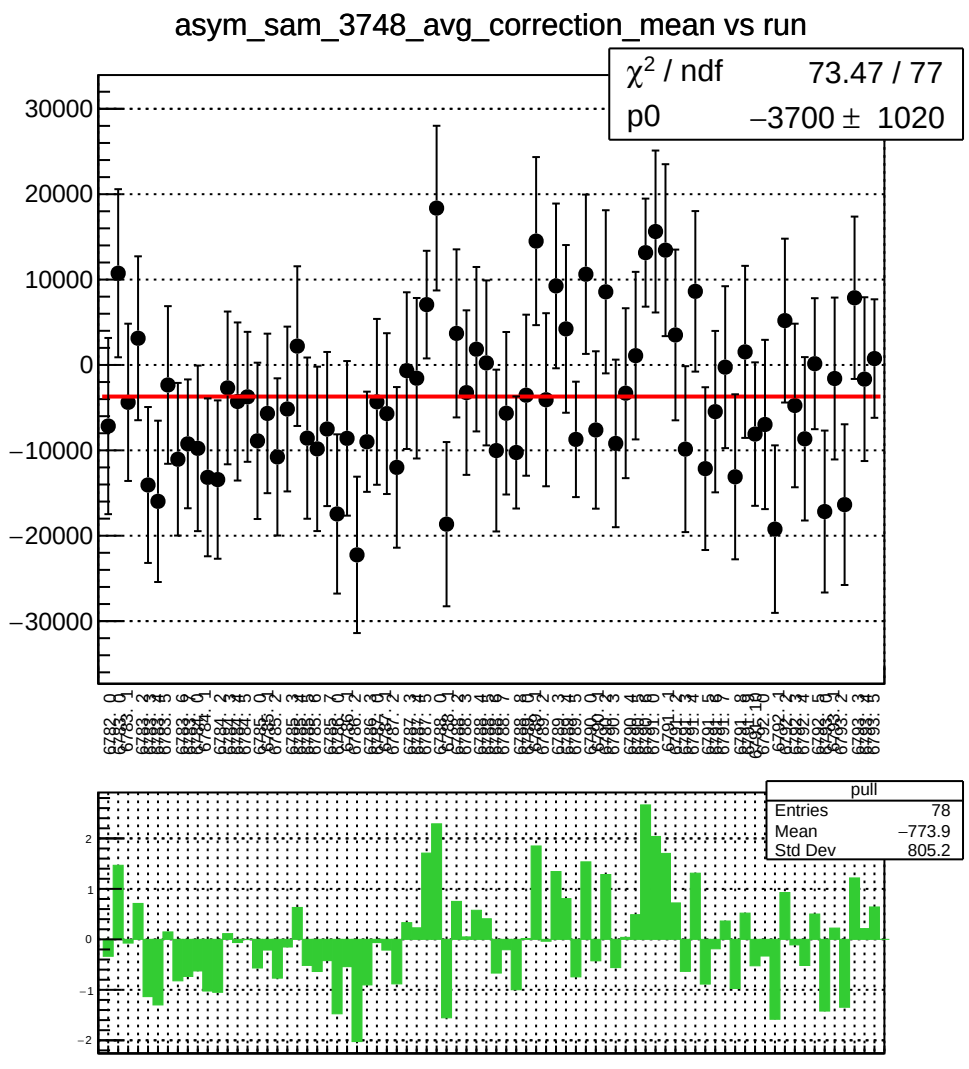

asym_sam_1548_avg_mean vs run
χ² / ndf 81.02 / 77
p0 2487 ± 832.5
pull
Entries 78
Mean 963.7
Std Dev 929.7

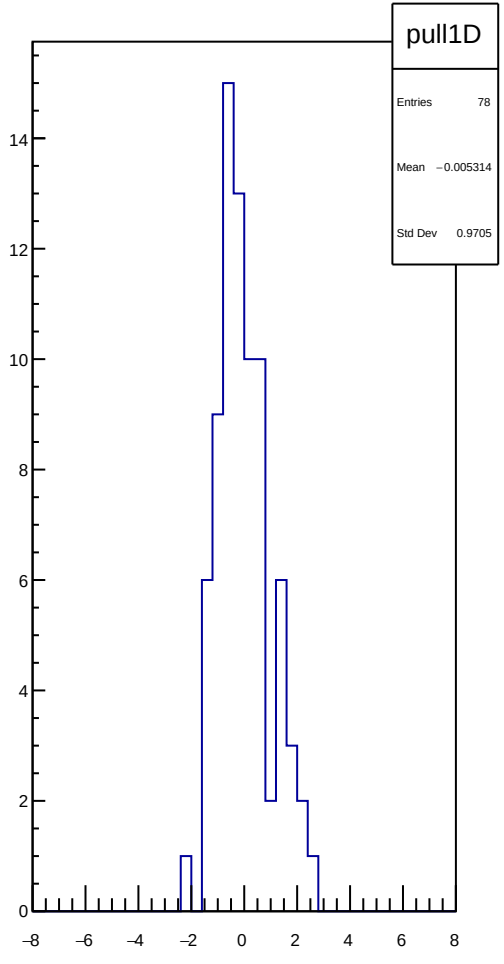

pull1D
Entries 78
Mean −0.004181
Std Dev 1.019

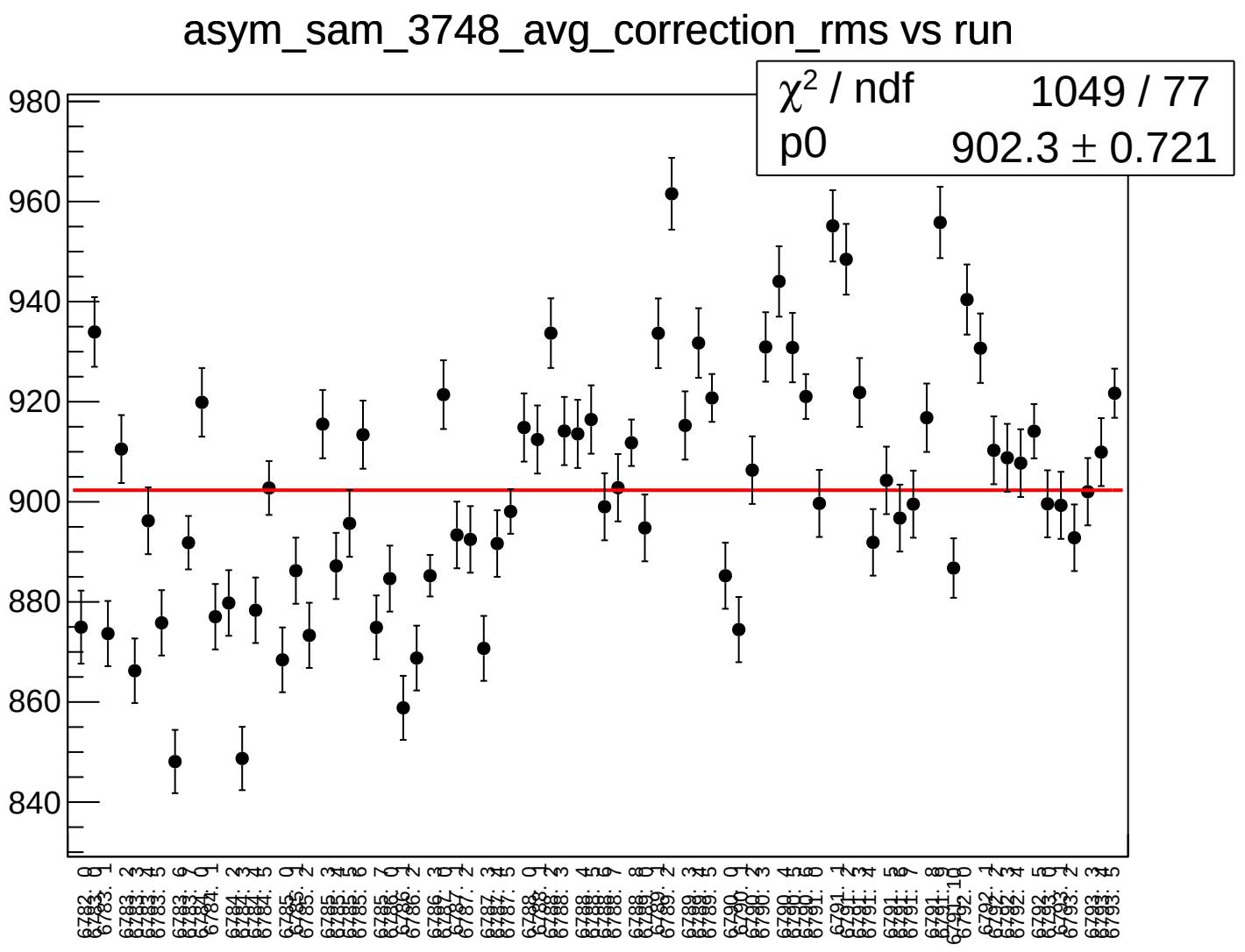

asym_sam_1548_avg_rms vs run
χ² / ndf 9498 / 77
p0 734.8 ± 0.5887
900
850
800
750
700
650

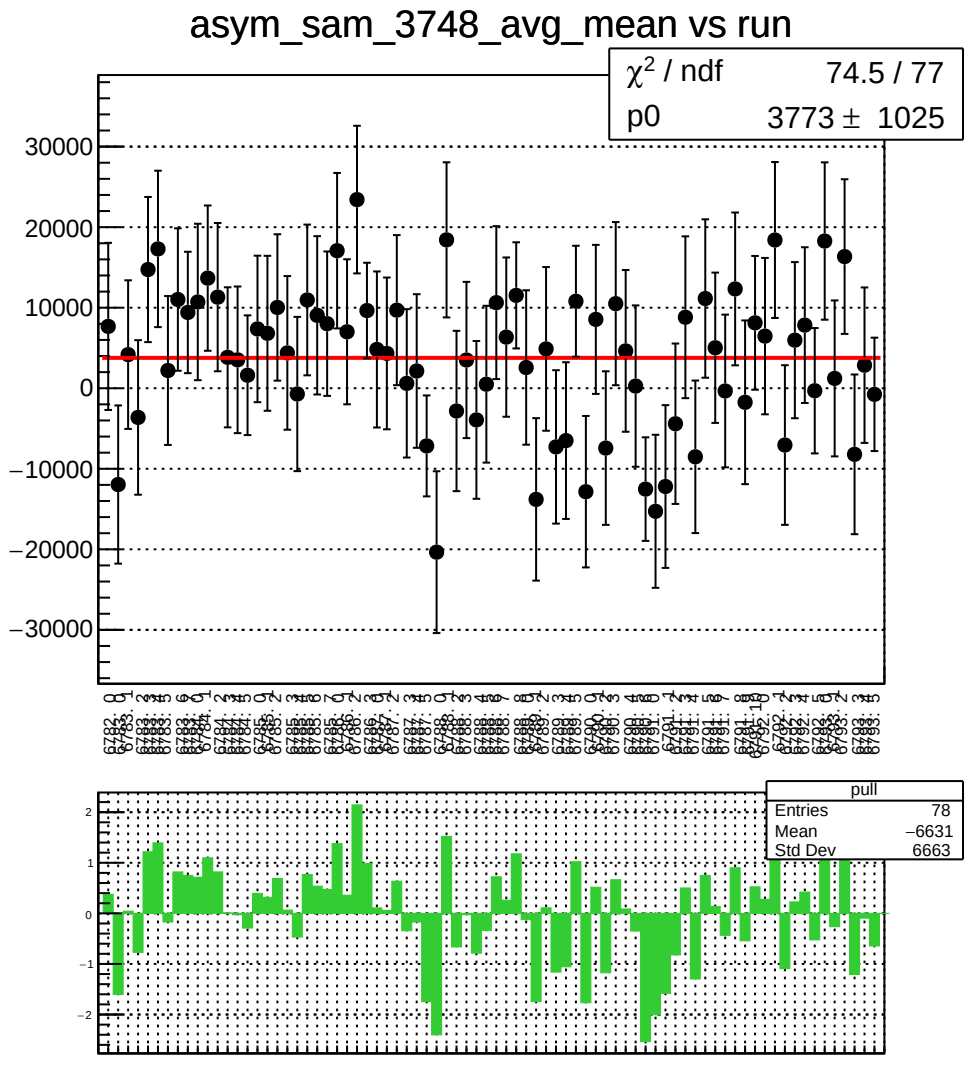

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 77.26 / 77
p0 36.78 ± 126.2
pull
Entries 78
Mean 7.584
Std Dev 29.83
pull1D
Entries 78
Mean −0.02232
Std Dev 0.995

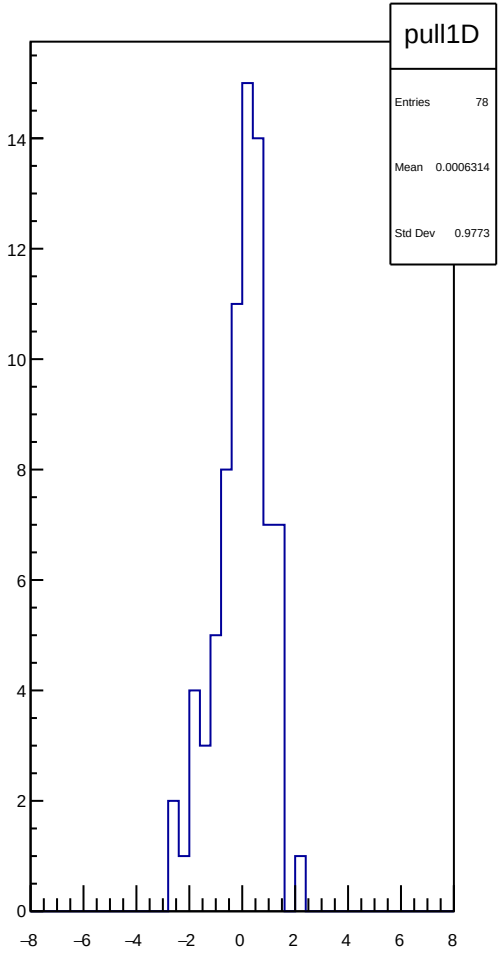

dit_asym_sam_3748_avg_rms vs run
χ^2 / ndf 1977 / 77
p0 111.6 ± 0.0892
125
120
115
110
105

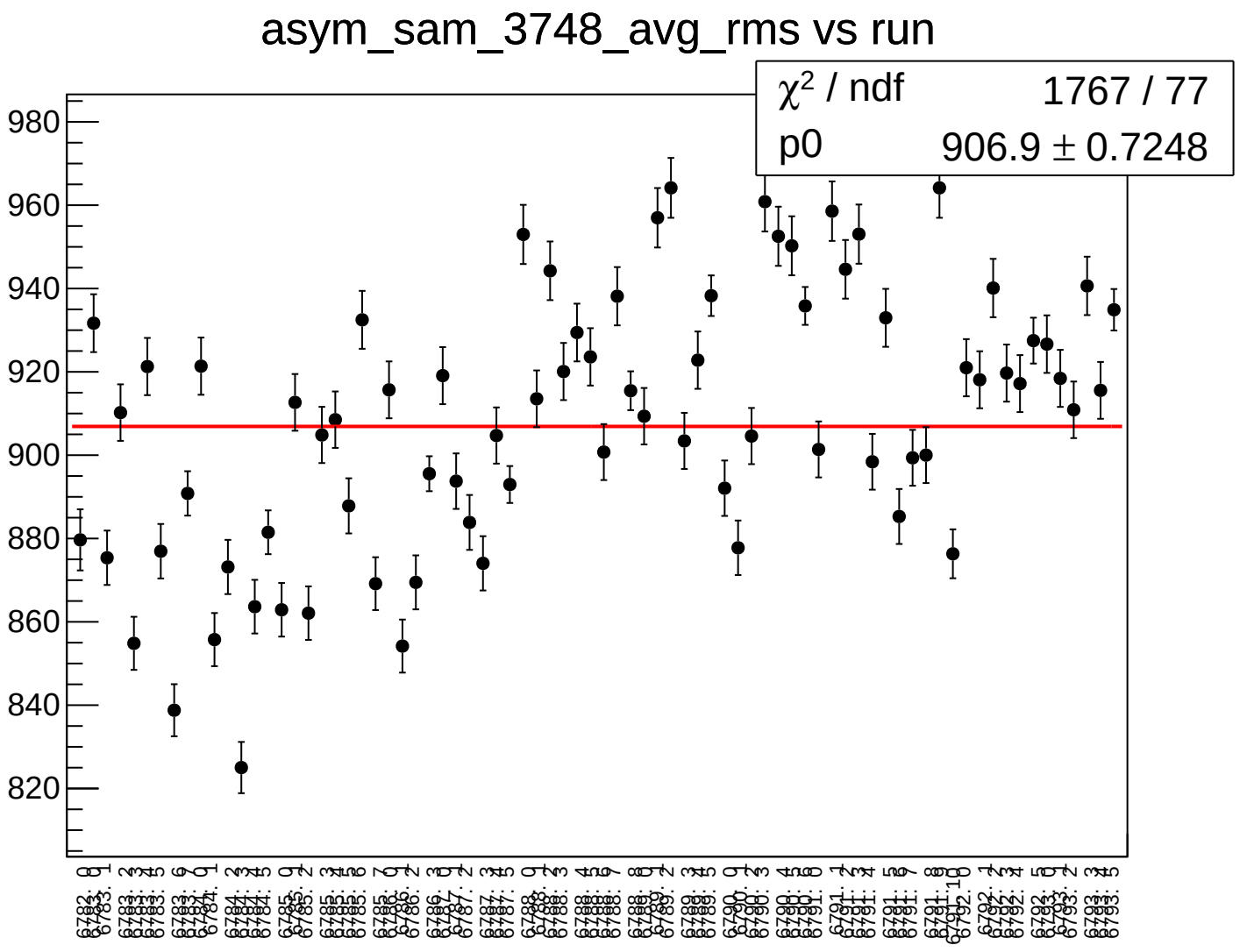

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 73.47 / 77
p0 −3700 ± 1020
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −773.9
Std Dev 805.2
2
1
0
−1
−2

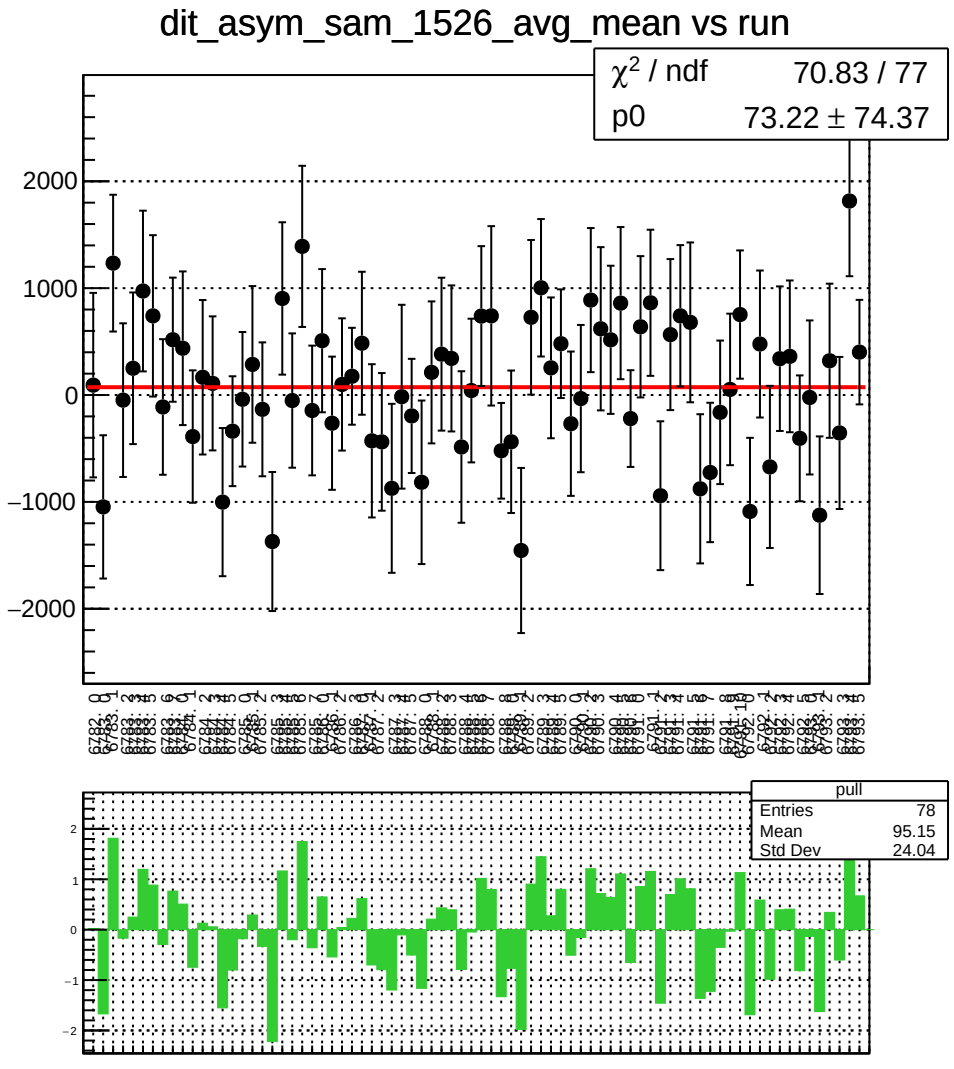

pull1D
Entries 78
Mean −0.005314
Std Dev 0.9705
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

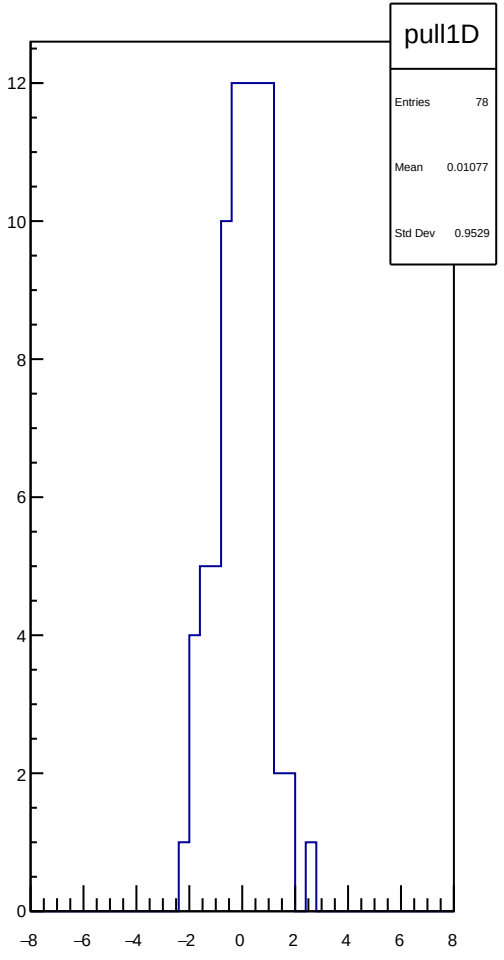

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1049 / 77
p0 902.3 ± 0.721
980
960
940
920
900
880
860
840


asym_sam_3748_avg_mean vs run
χ² / ndf 74.5 / 77
p0 3773 ± 1025
pull
Entries 78
Mean −6631
Std Dev 6663

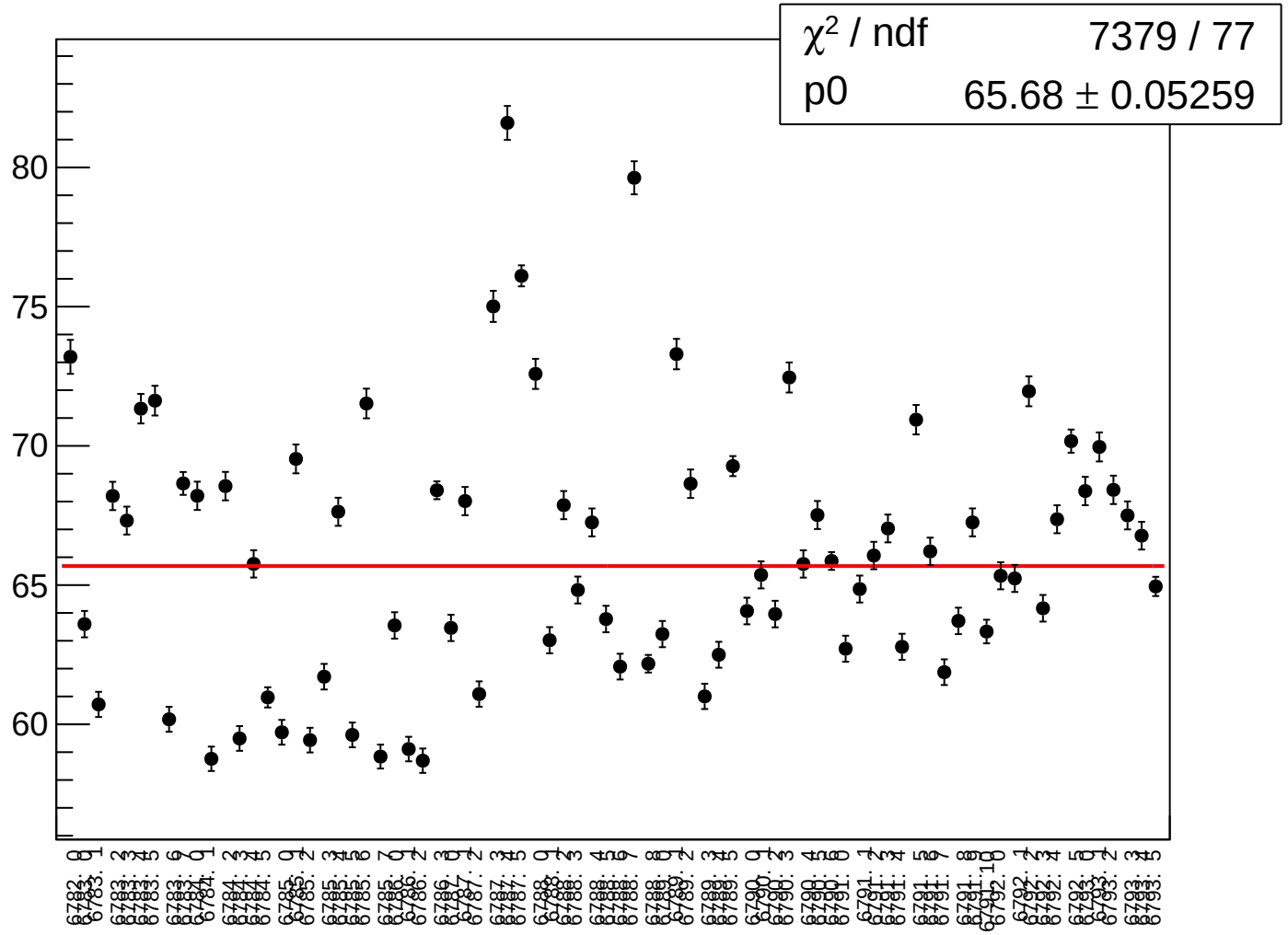

pull1D
Entries 78
Mean 0.0006314
Std Dev 0.9773

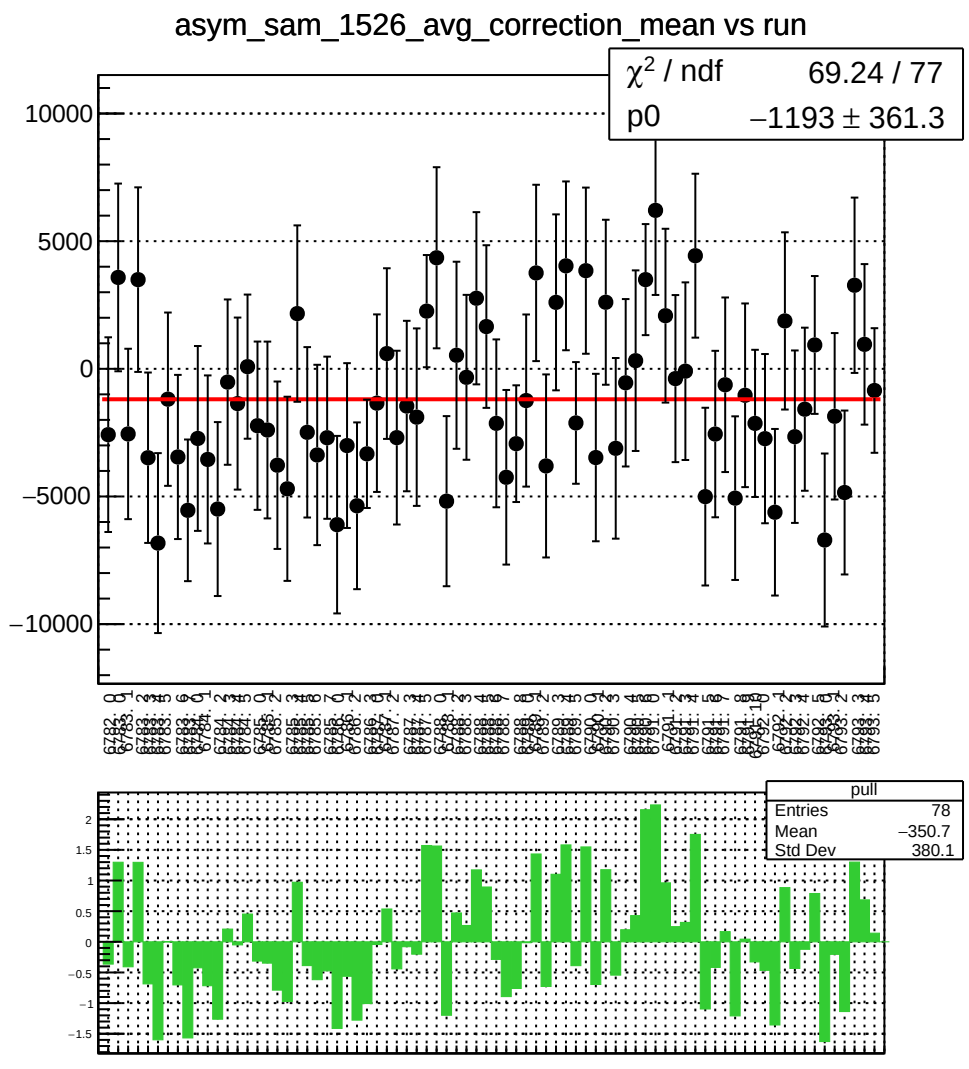

asym_sam_3748_avg_rms vs run
χ^2 / ndf 1767 / 77
p0 906.9 ± 0.7248
980
960
940
920
900
880
860
840
820

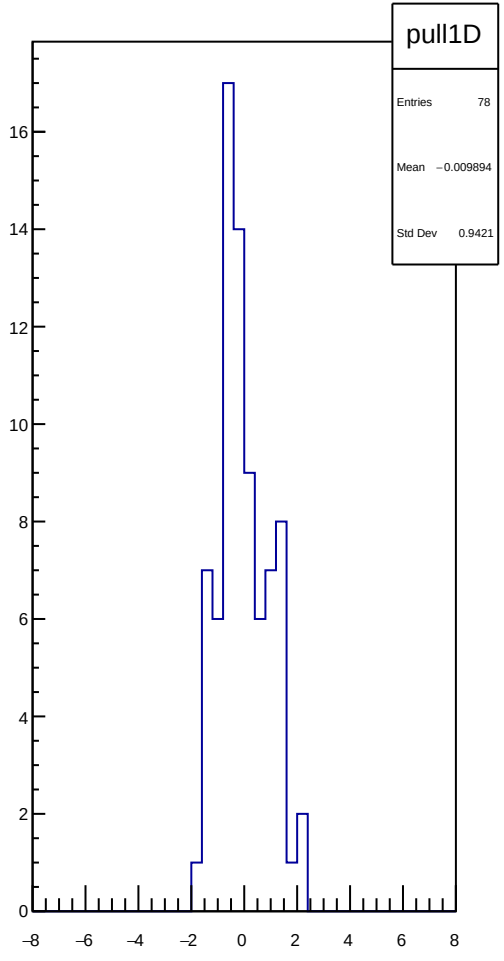

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 70.83 / 77
p0 73.22 ± 74.37
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 95.15
Std Dev 24.04
2
1
0
−1
−2

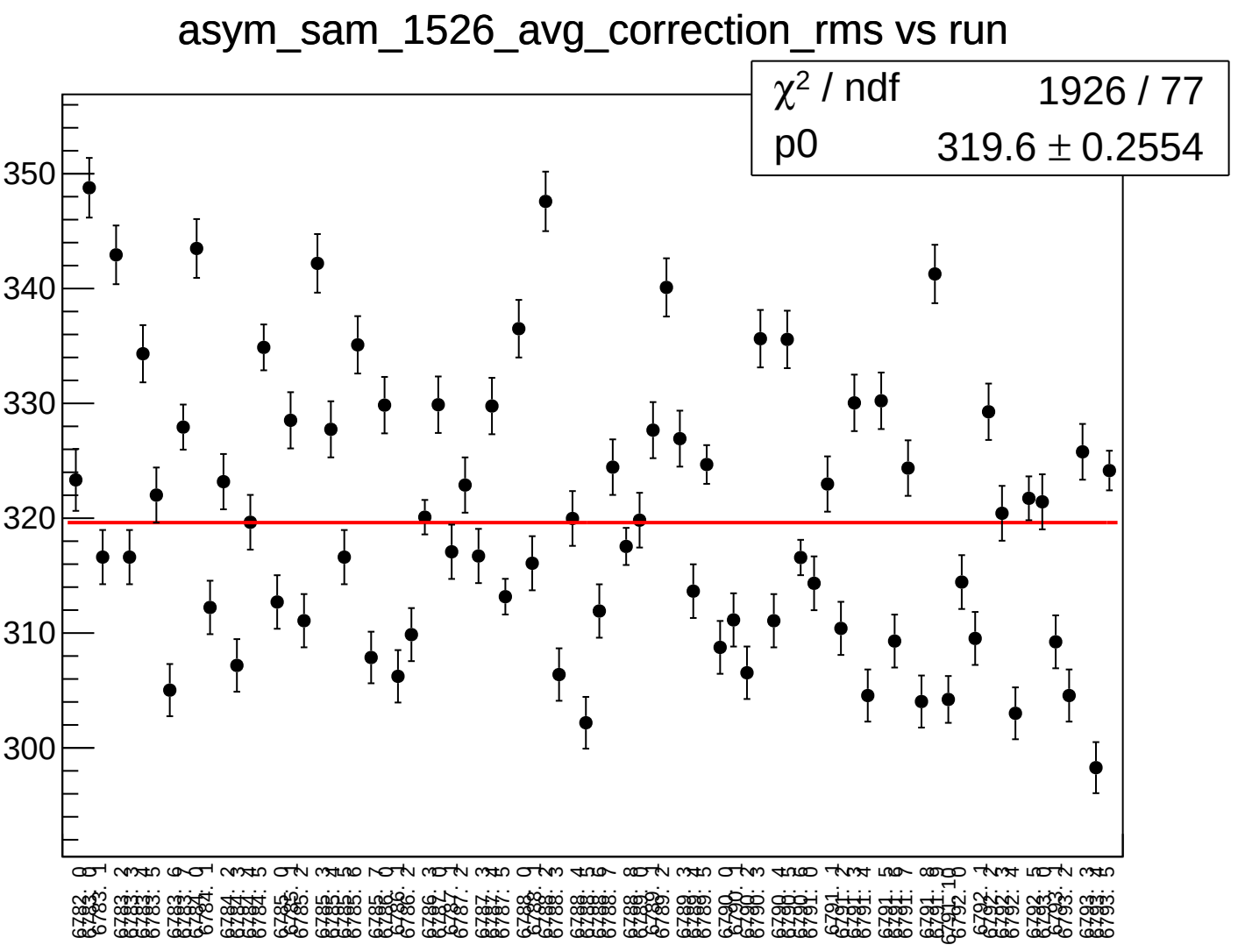

pull1D
Entries 78
Mean 0.01077
Std Dev 0.9529
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

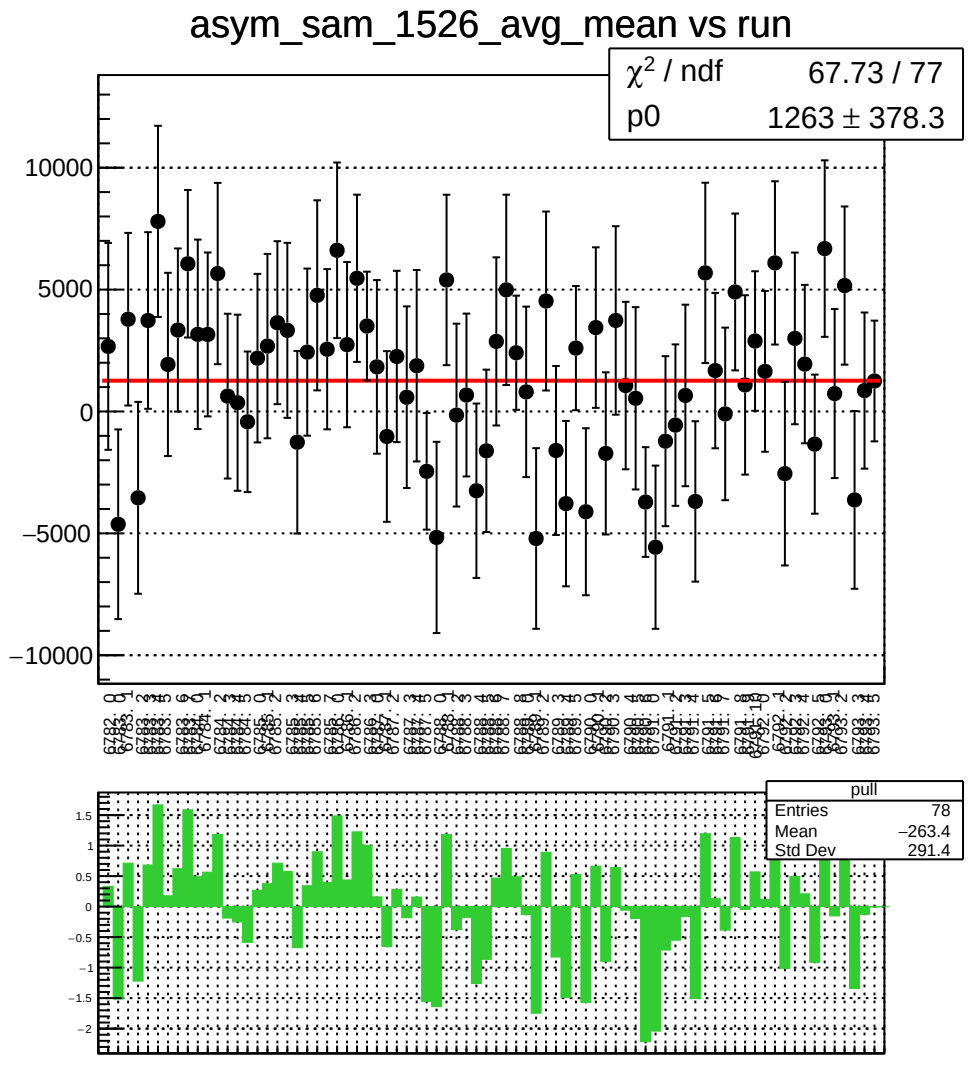
dit_asym_sam_1526_avg_rms vs run

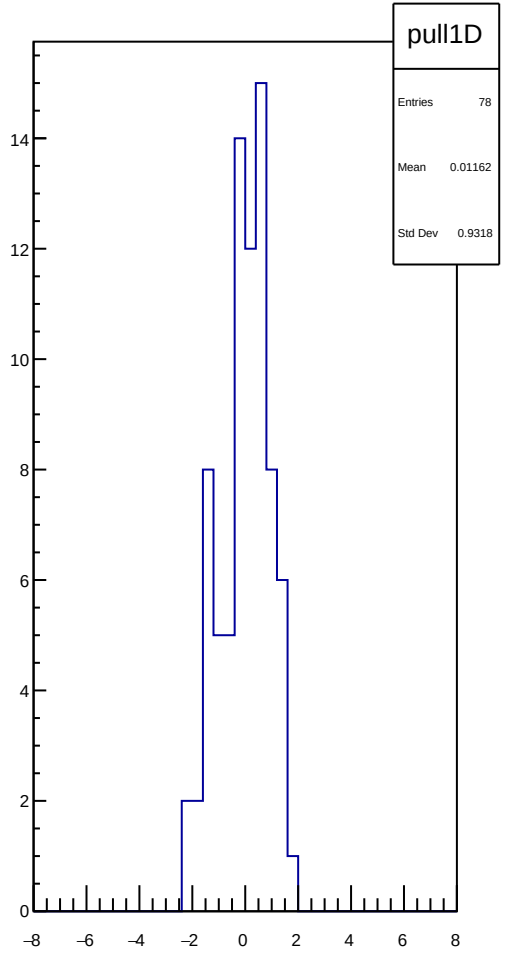


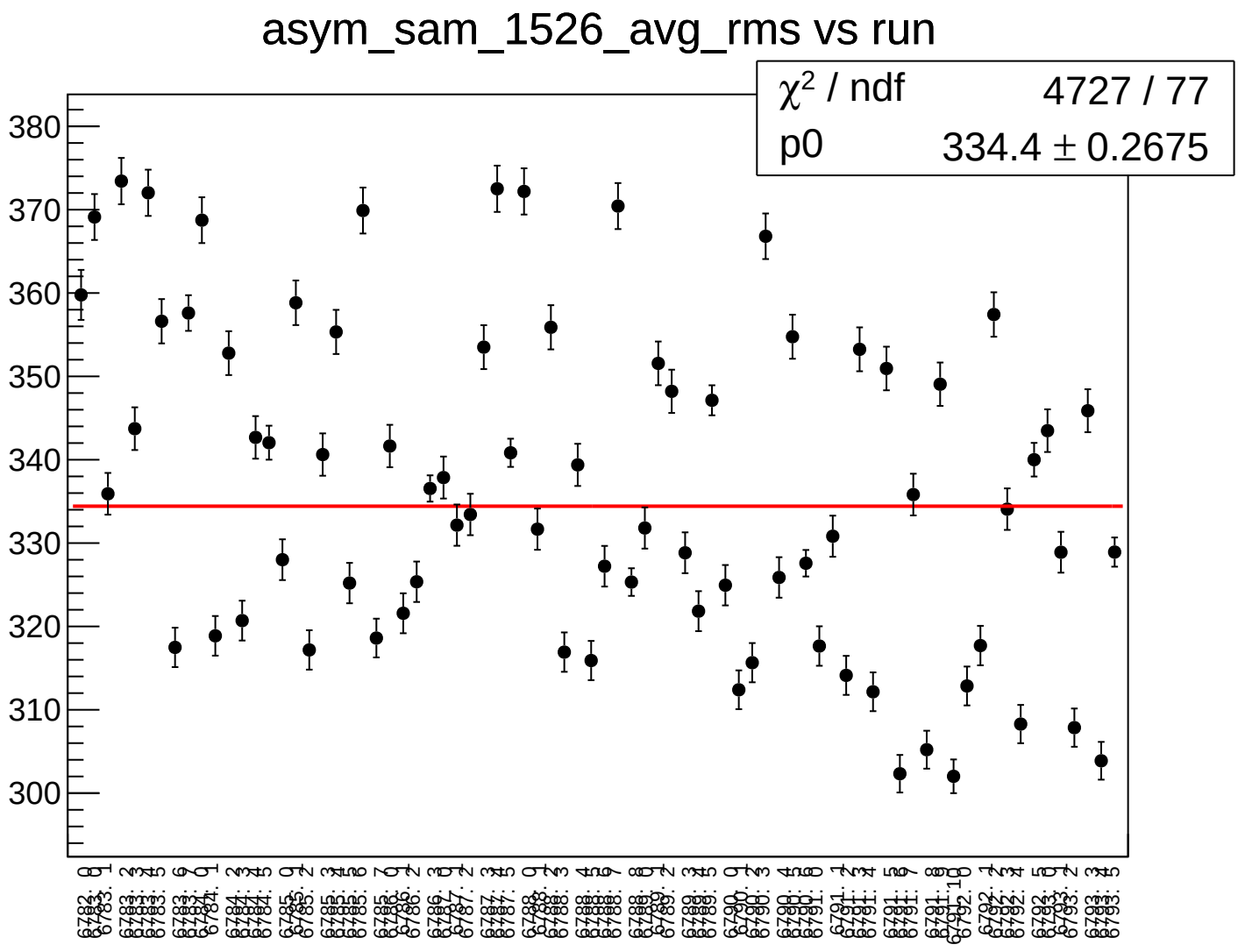

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 69.24 / 77
p0 −1193 ± 361.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −350.7
Std Dev 380.1
2
1.5
1
0.5
0
−0.5
−1
−1.5

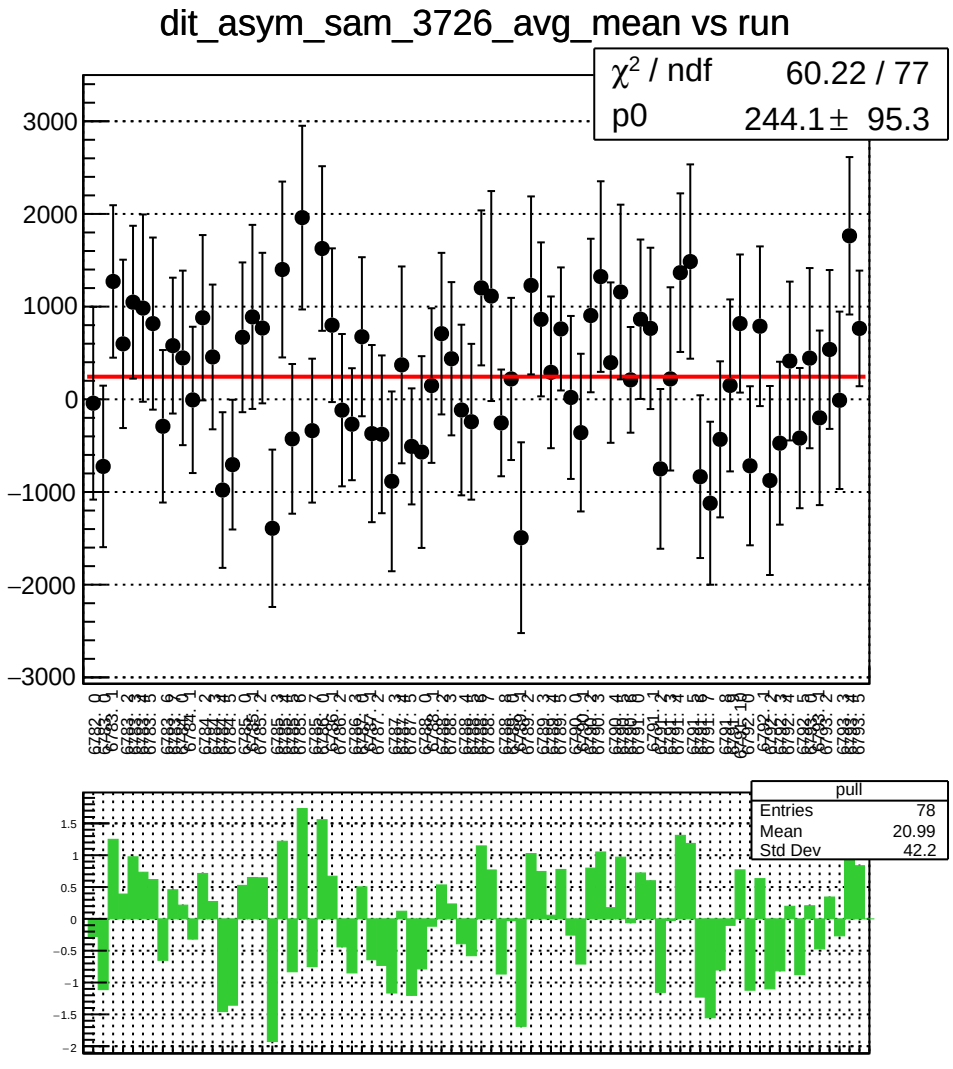

pull1D
Entries 78
Mean −0.009894
Std Dev 0.9421
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

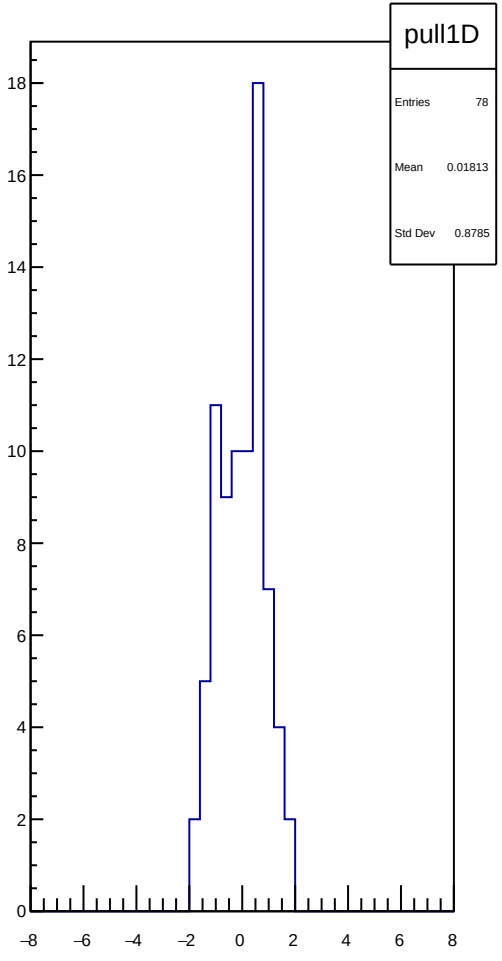

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1926 / 77
p0 319.6 ± 0.2554
350
340
330
320
310
300

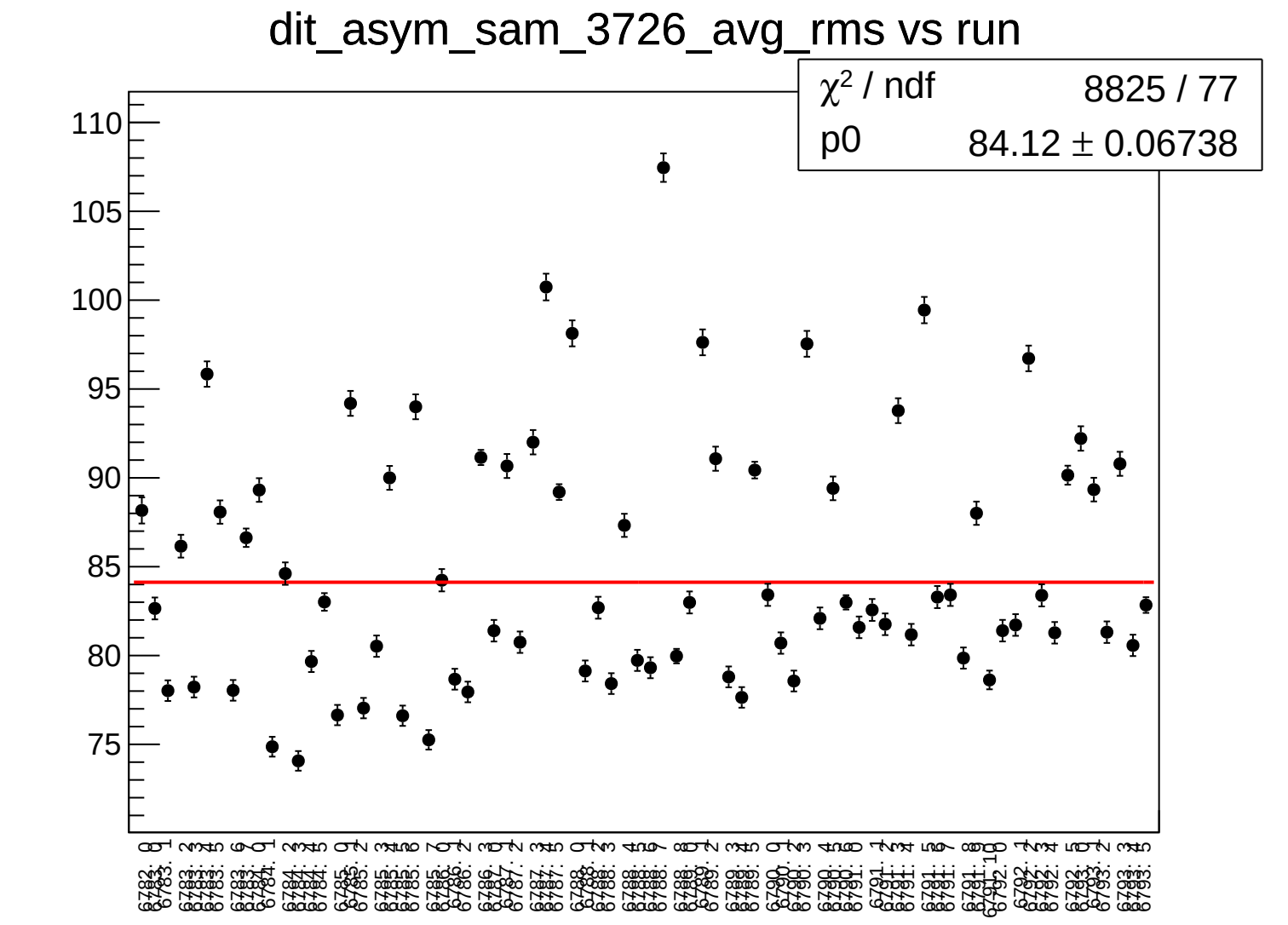

asym_sam_1526_avg_mean vs run
χ² / ndf 67.73 / 77
p0 1263 ± 378.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −263.4
Std Dev 291.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

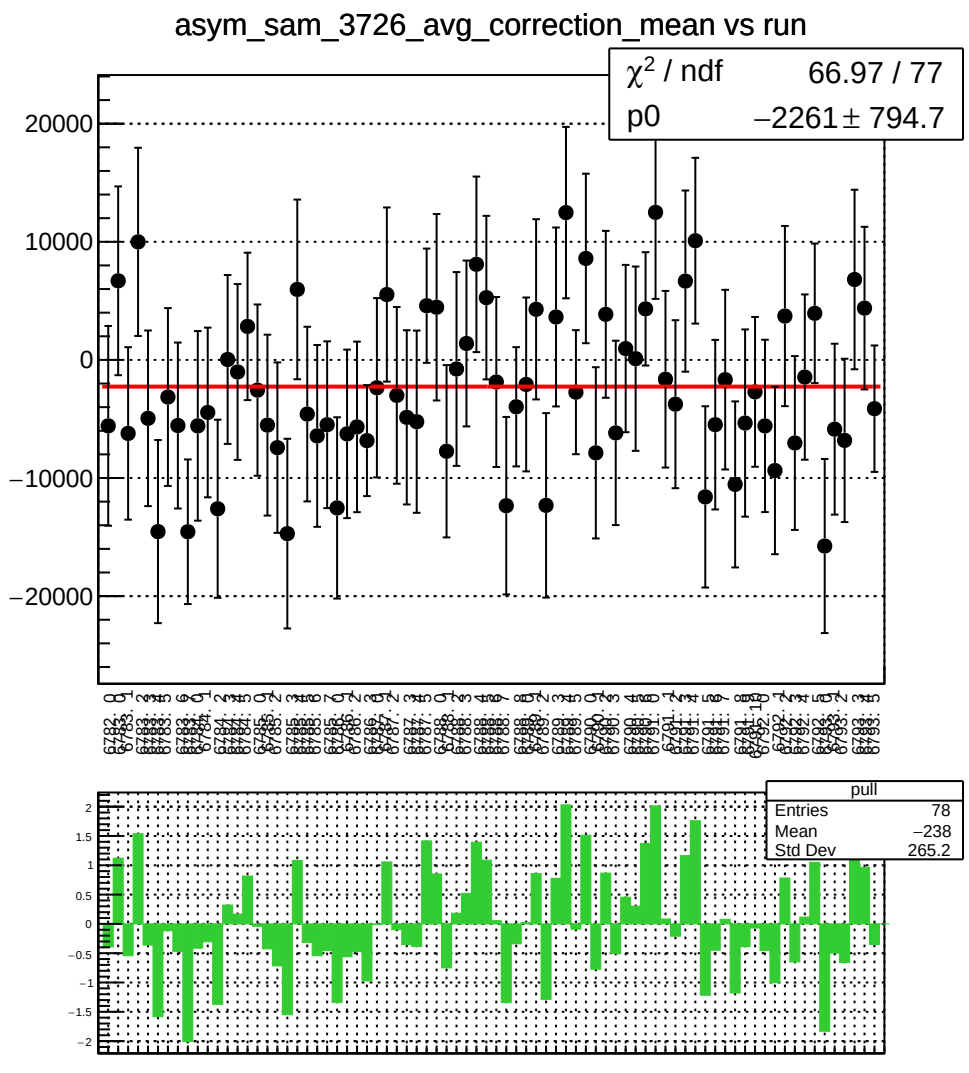

pull1D
Entries 78
Mean 0.01162
Std Dev 0.9318
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

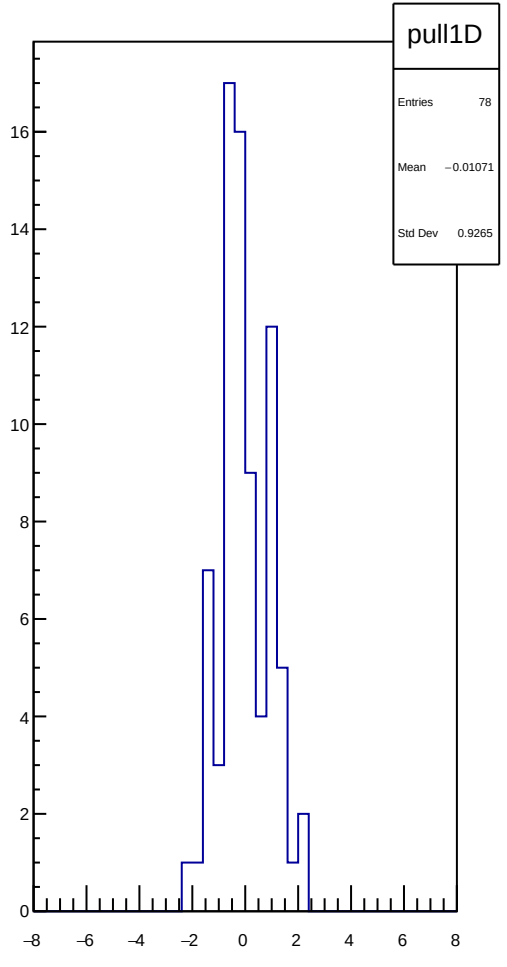

asym_sam_1526_avg_rms vs run
χ² / ndf 4727 / 77
p0 334.4 ± 0.2675
380
370
360
350
340
330
320
310
300

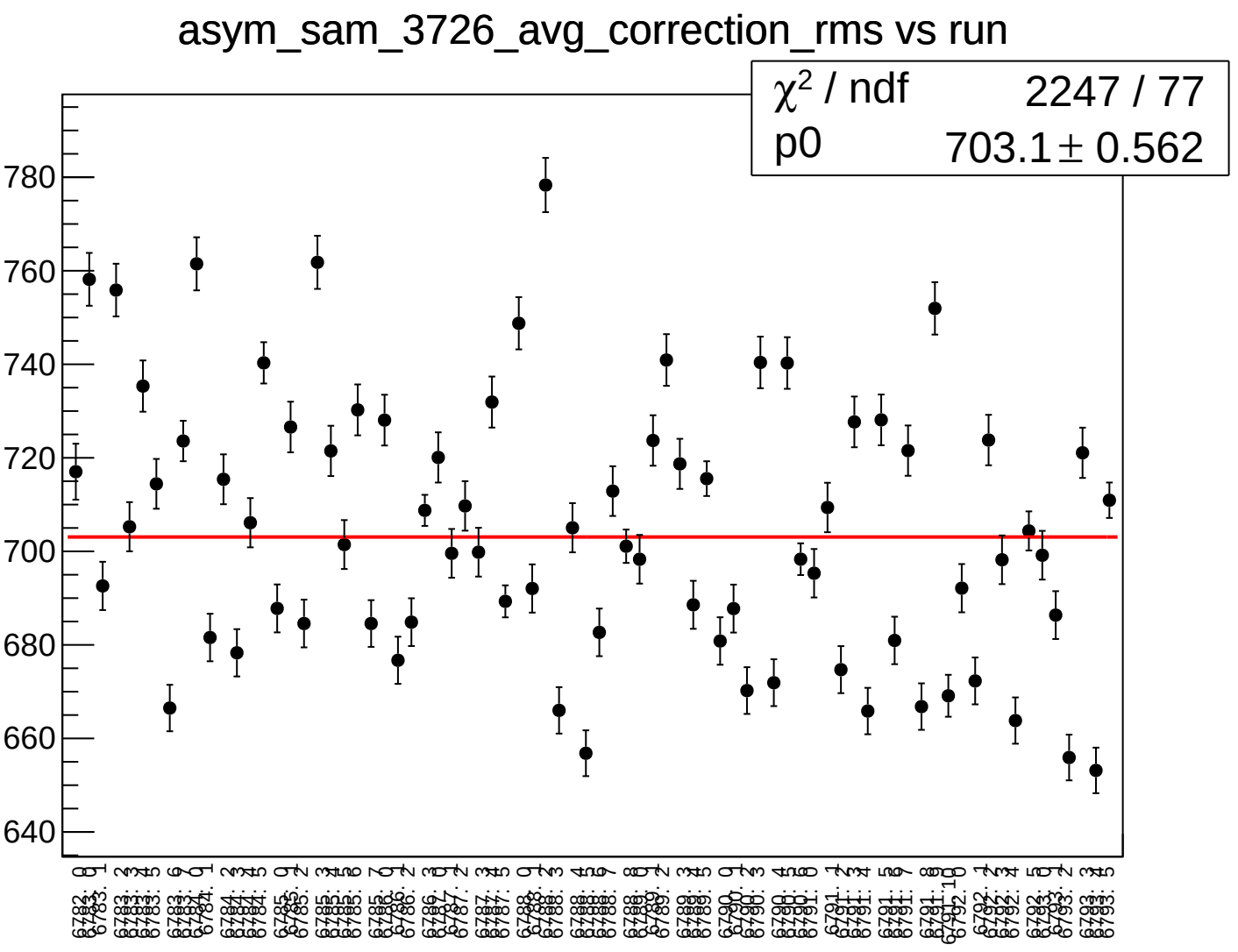

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 60.22 / 77
p0 244.1 ± 95.3
pull
Entries 78
Mean 20.99
Std Dev 42.2

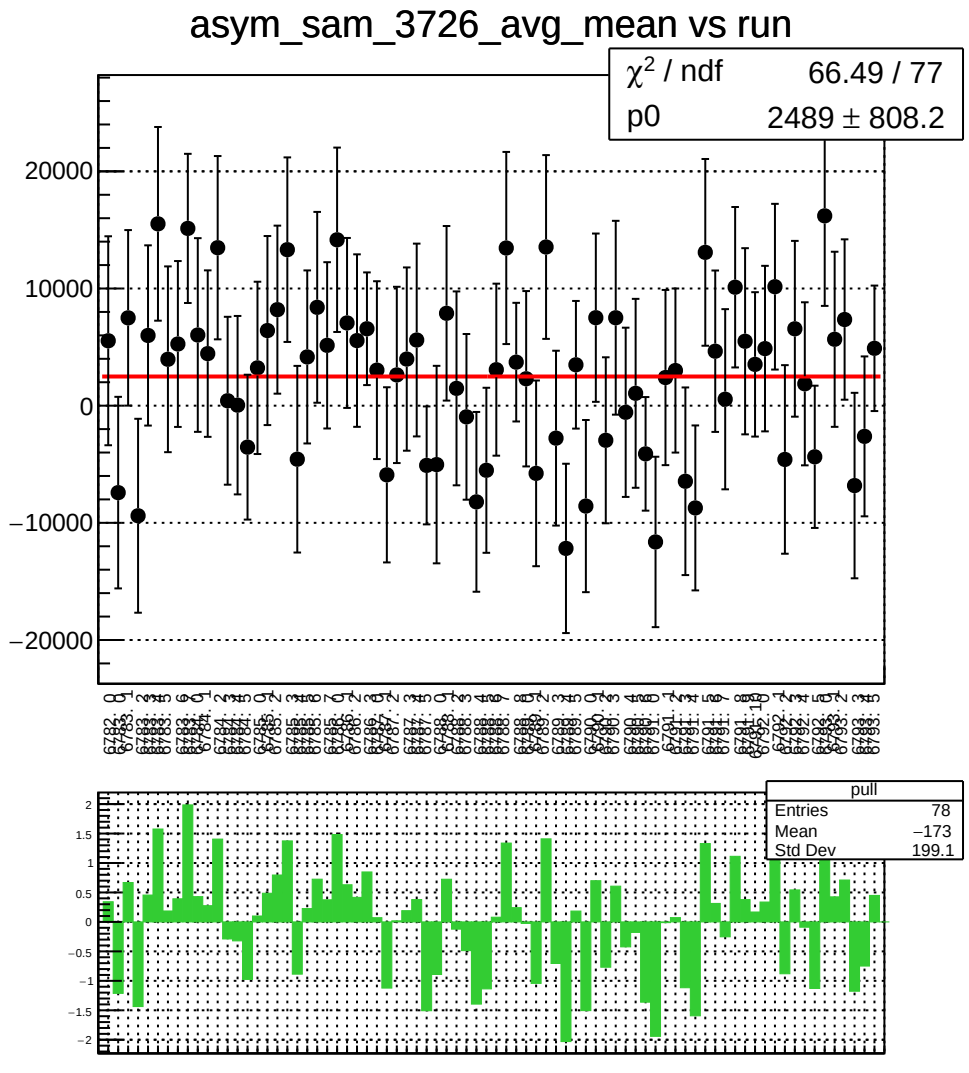

pull1D
Entries 78
Mean 0.01813
Std Dev 0.8785

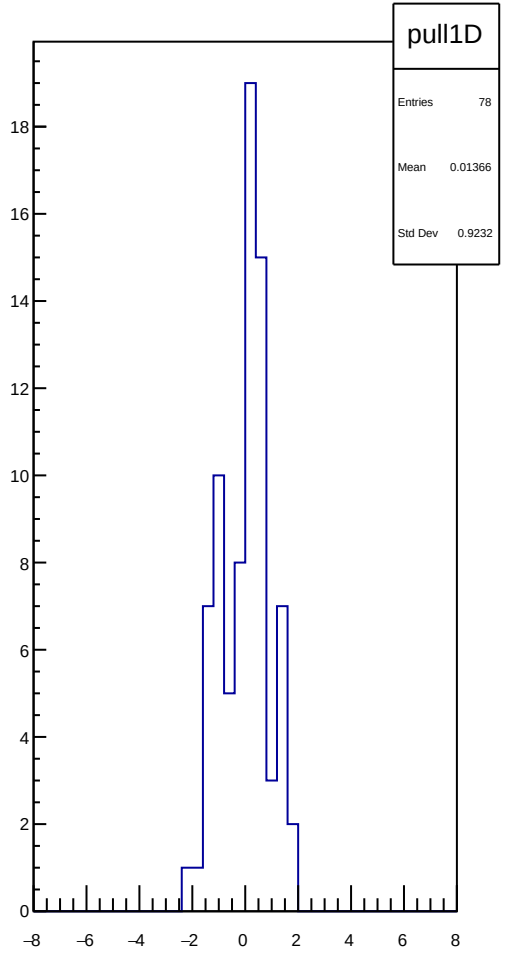

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 8825 / 77
p0 84.12 ± 0.06738
110
105
100
95
90
85
80
75

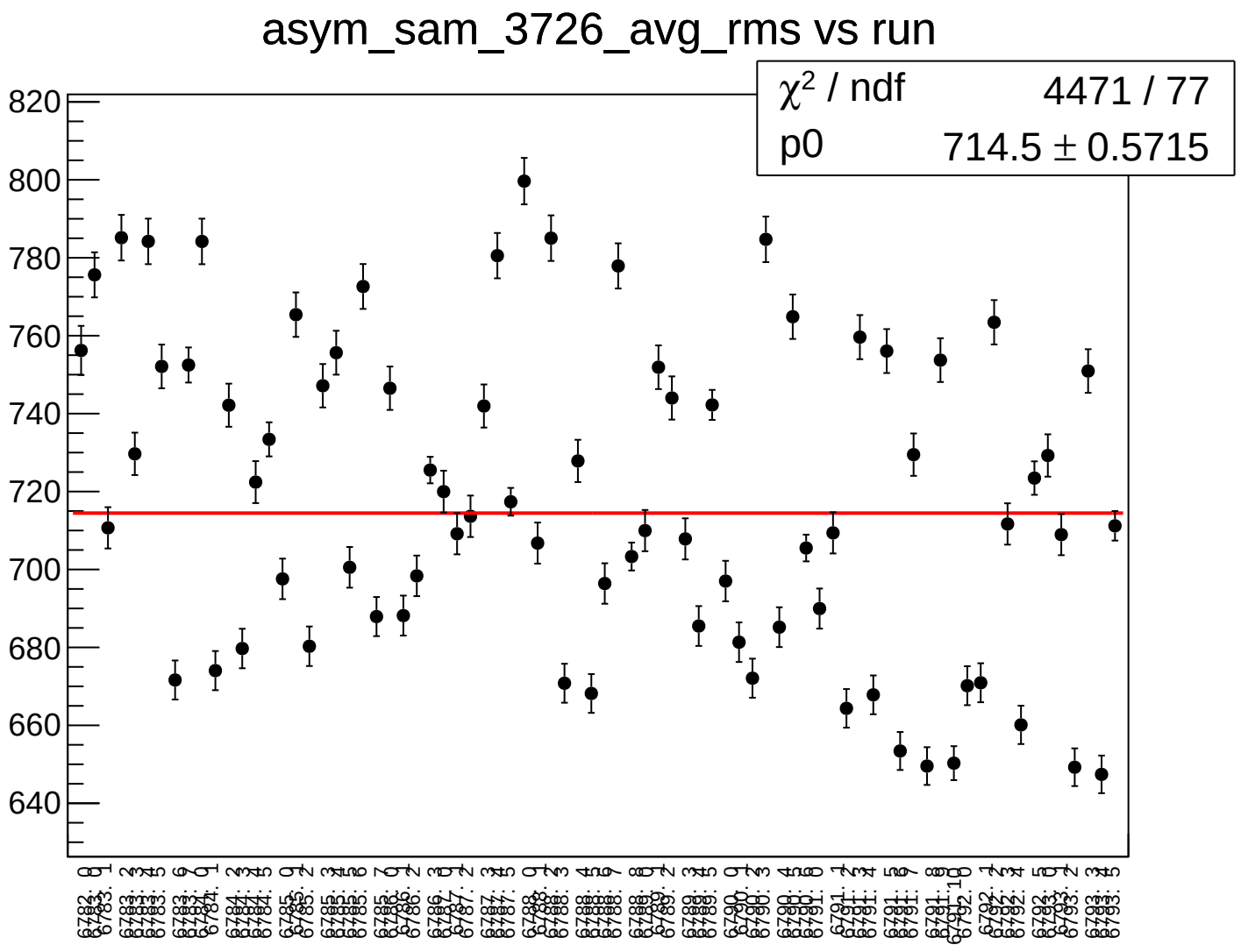

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 66.97 / 77
p0 −2261 ± 794.7
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −238
Std Dev 265.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

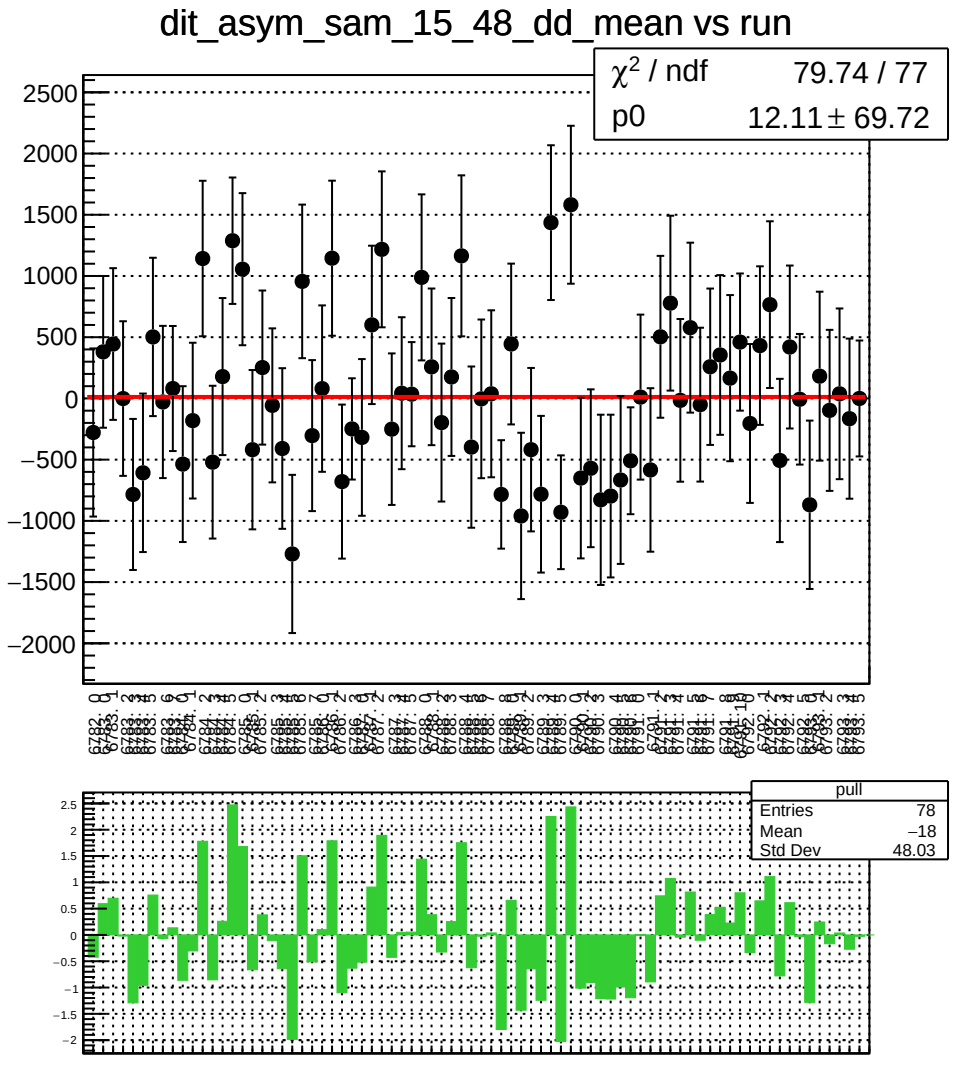

pull1D
Entries 78
Mean −0.01071
Std Dev 0.9265
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

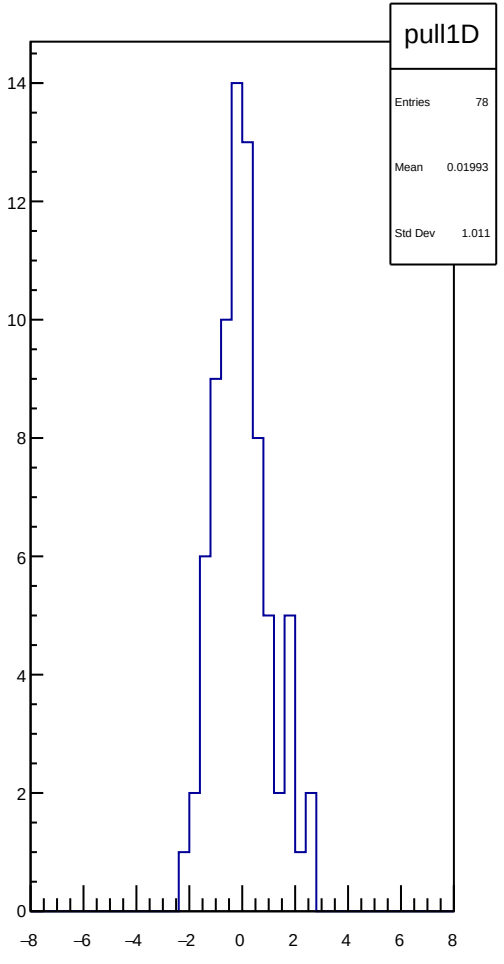

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2247 / 77
p0 703.1 ± 0.562
780
760
740
720
700
680
660
640

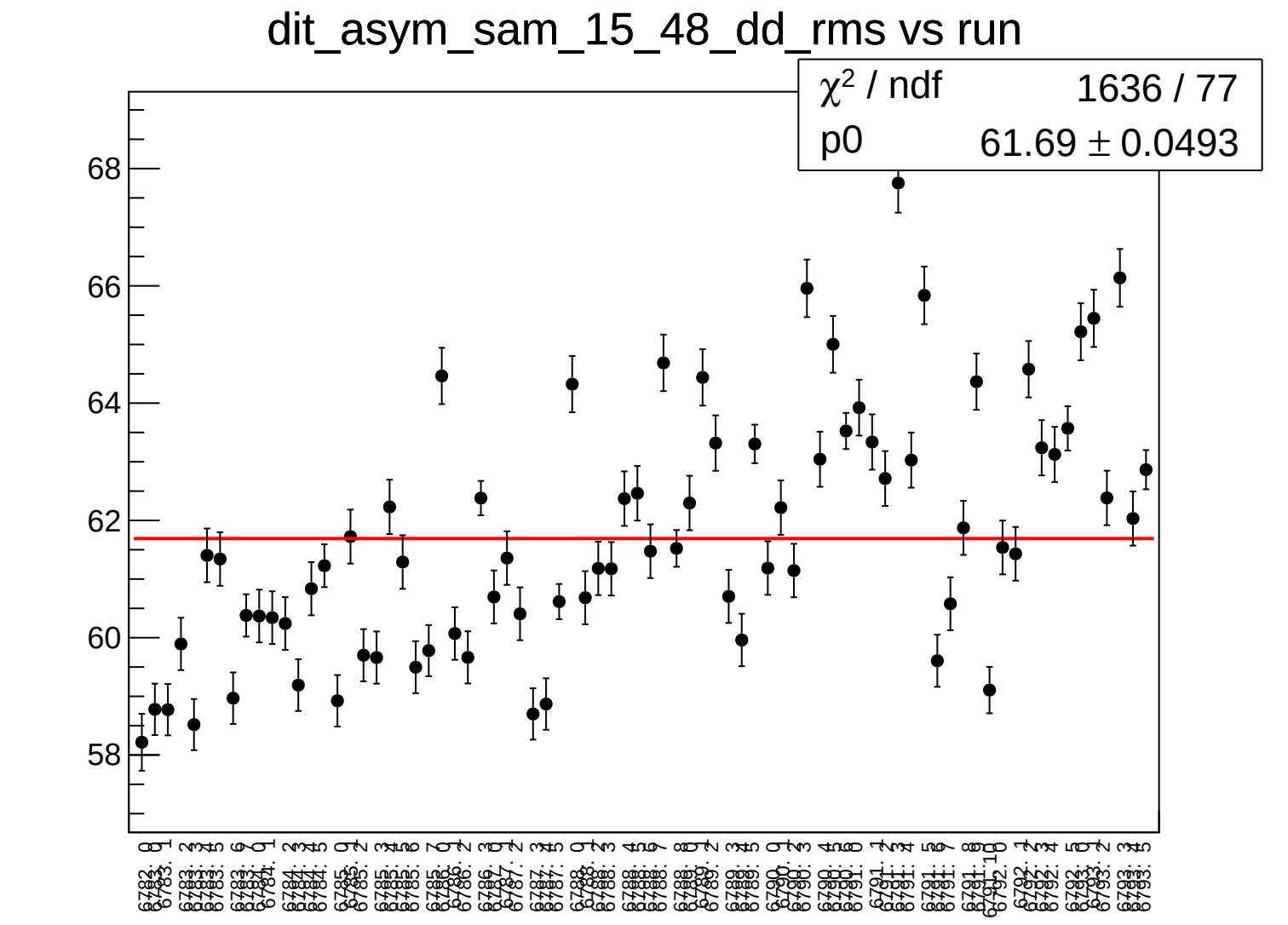

asym_sam_3726_avg_mean vs run
χ² / ndf 66.49 / 77
p0 2489 ± 808.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −173
Std Dev 199.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

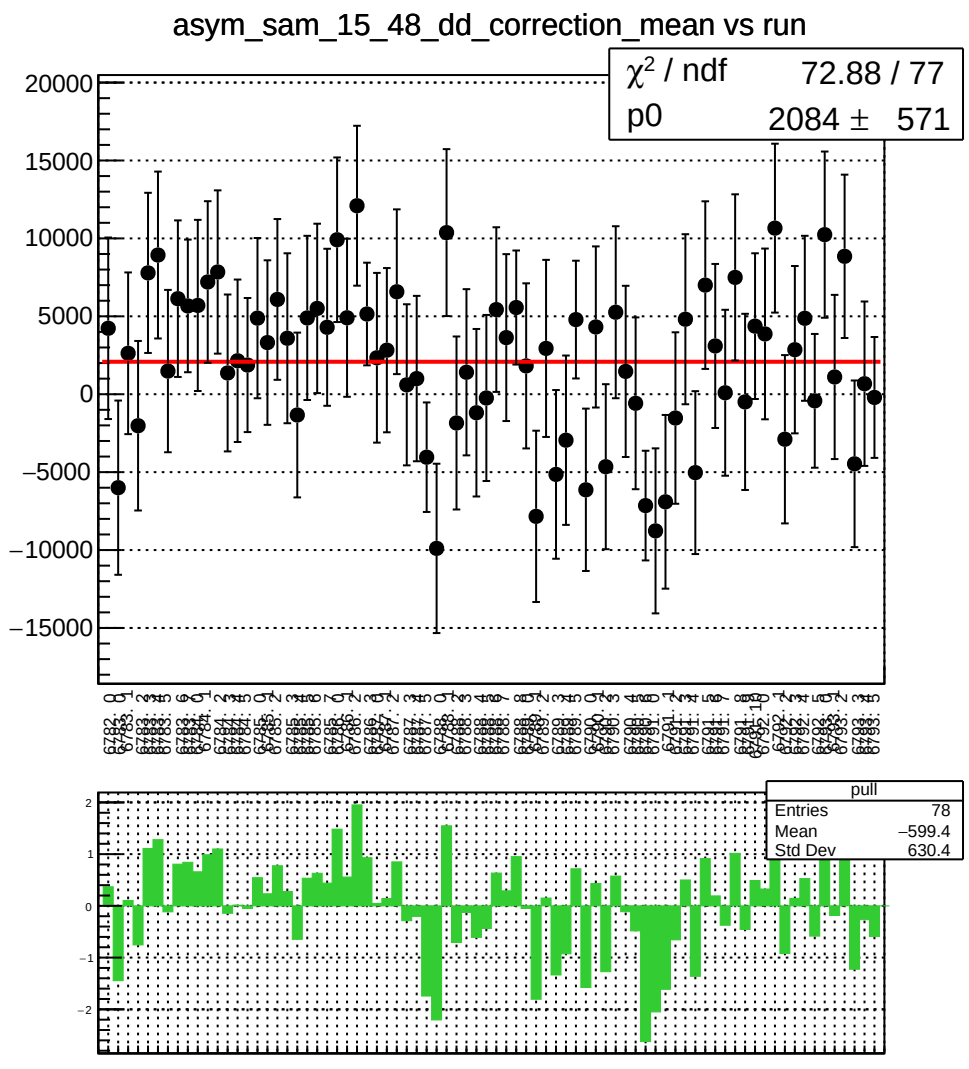

pull1D
Entries 78
Mean 0.01366
Std Dev 0.9232
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

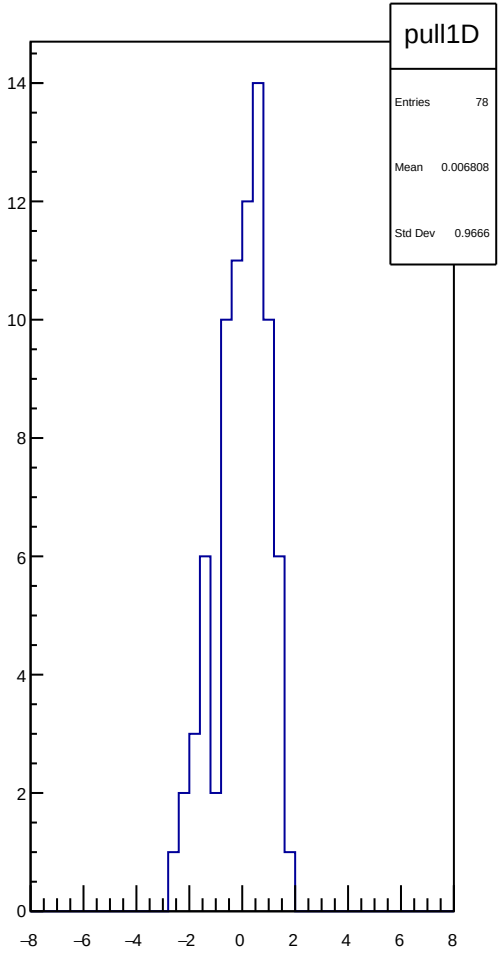

asym_sam_3726_avg_rms vs run
χ² / ndf 4471 / 77
p0 714.5 ± 0.5715
820
800
780
760
740
720
700
680
660
640

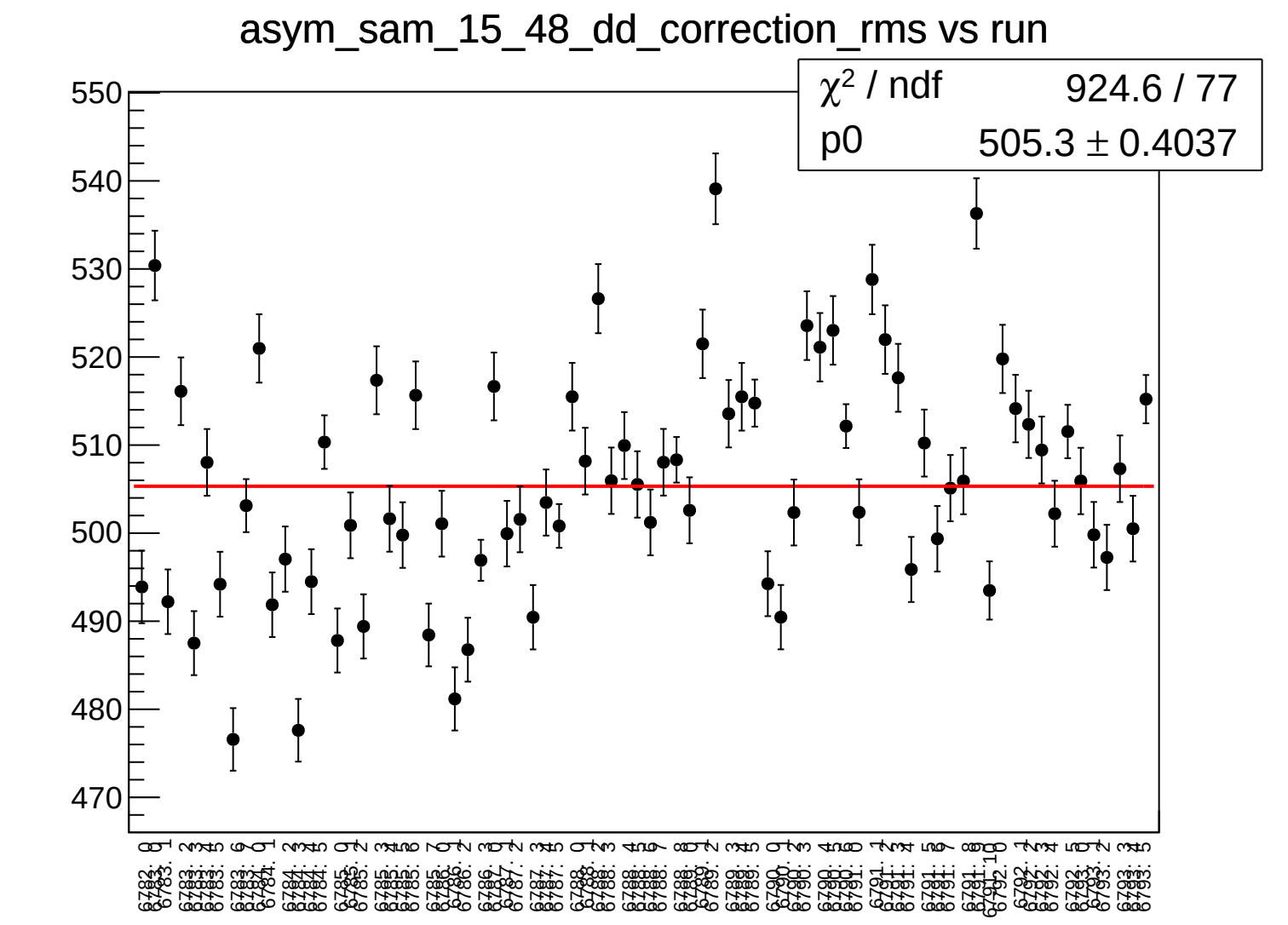

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 79.74 / 77
p0 12.11 ± 69.72
pull
Entries 78
Mean −18
Std Dev 48.03

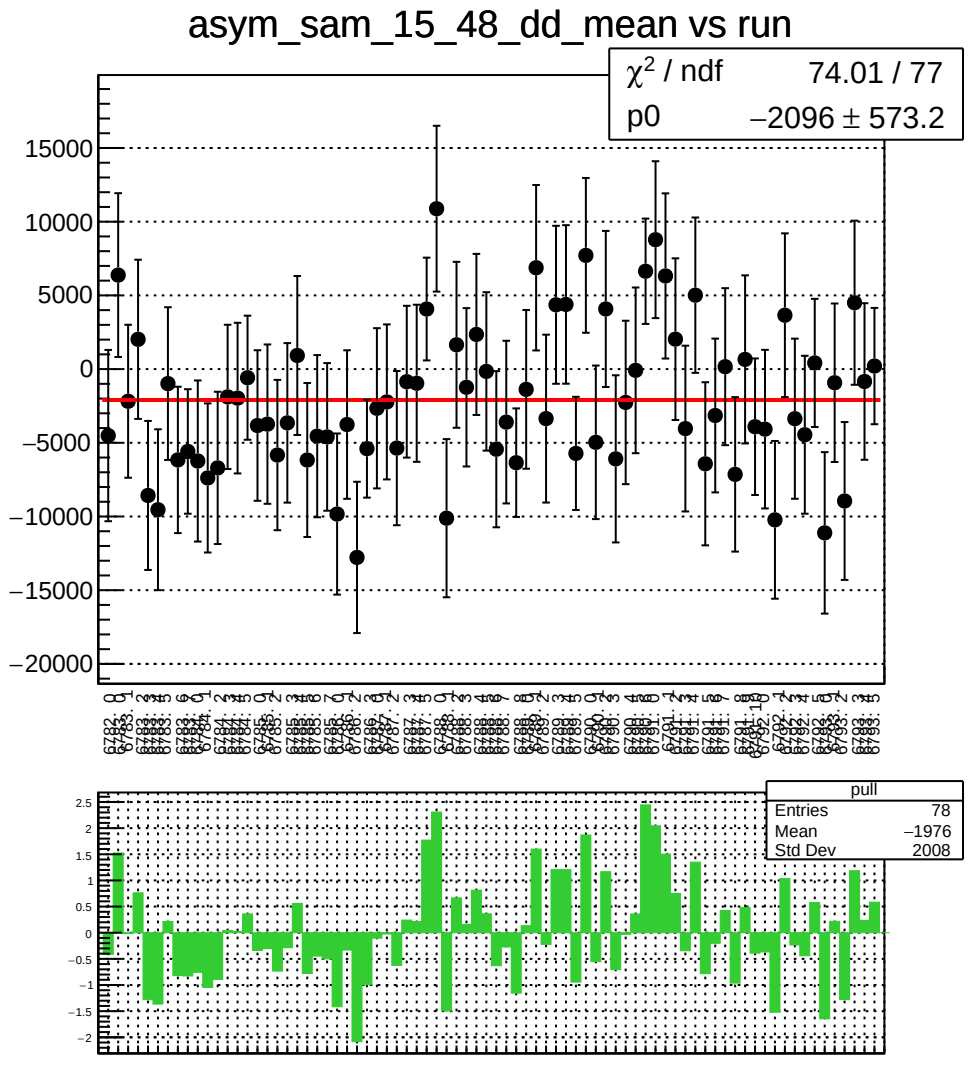

pull1D
Entries 78
Mean 0.01993
Std Dev 1.011

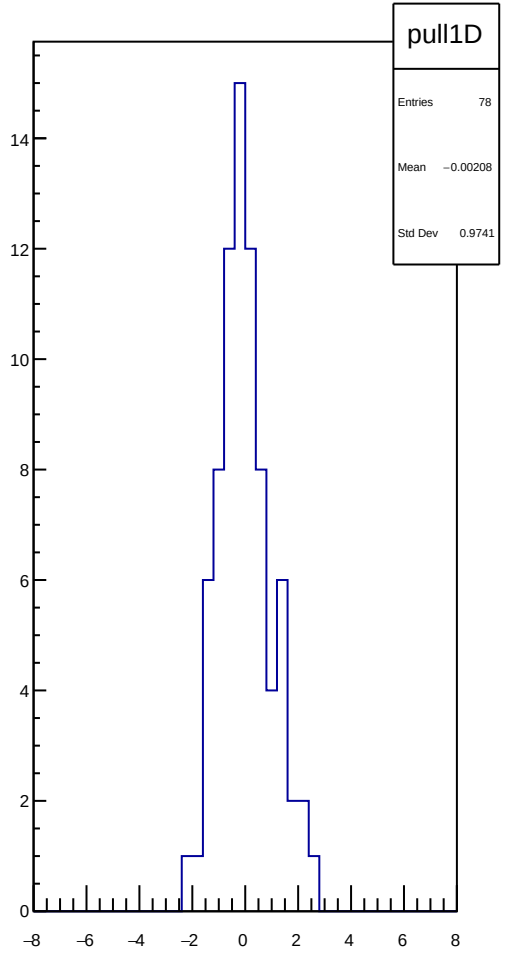

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1636 / 77
p0 61.69 ± 0.0493
68
66
64
62
60
58

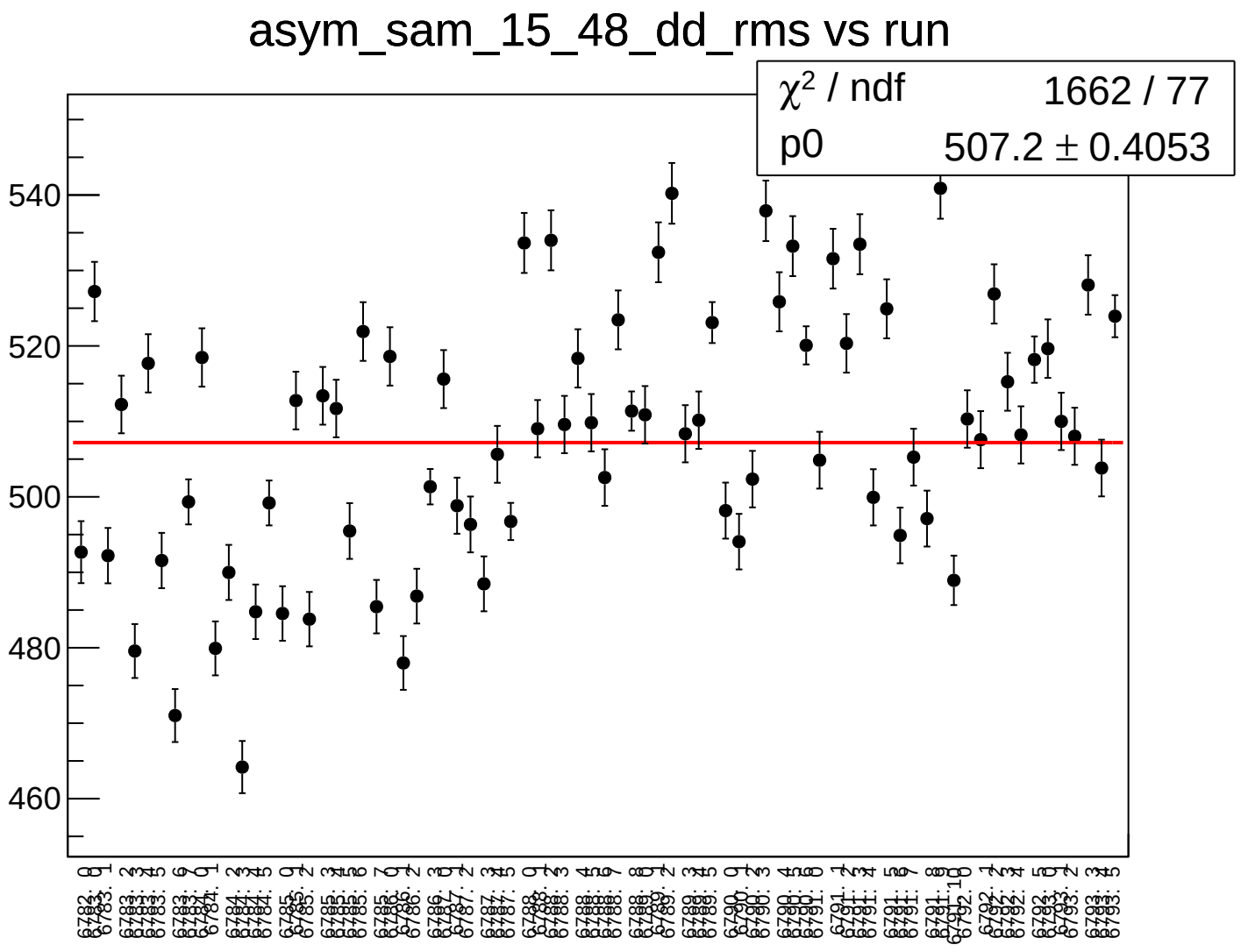

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 72.88 / 77
p0 2084 ± 571
pull
Entries 78
Mean −599.4
Std Dev 630.4

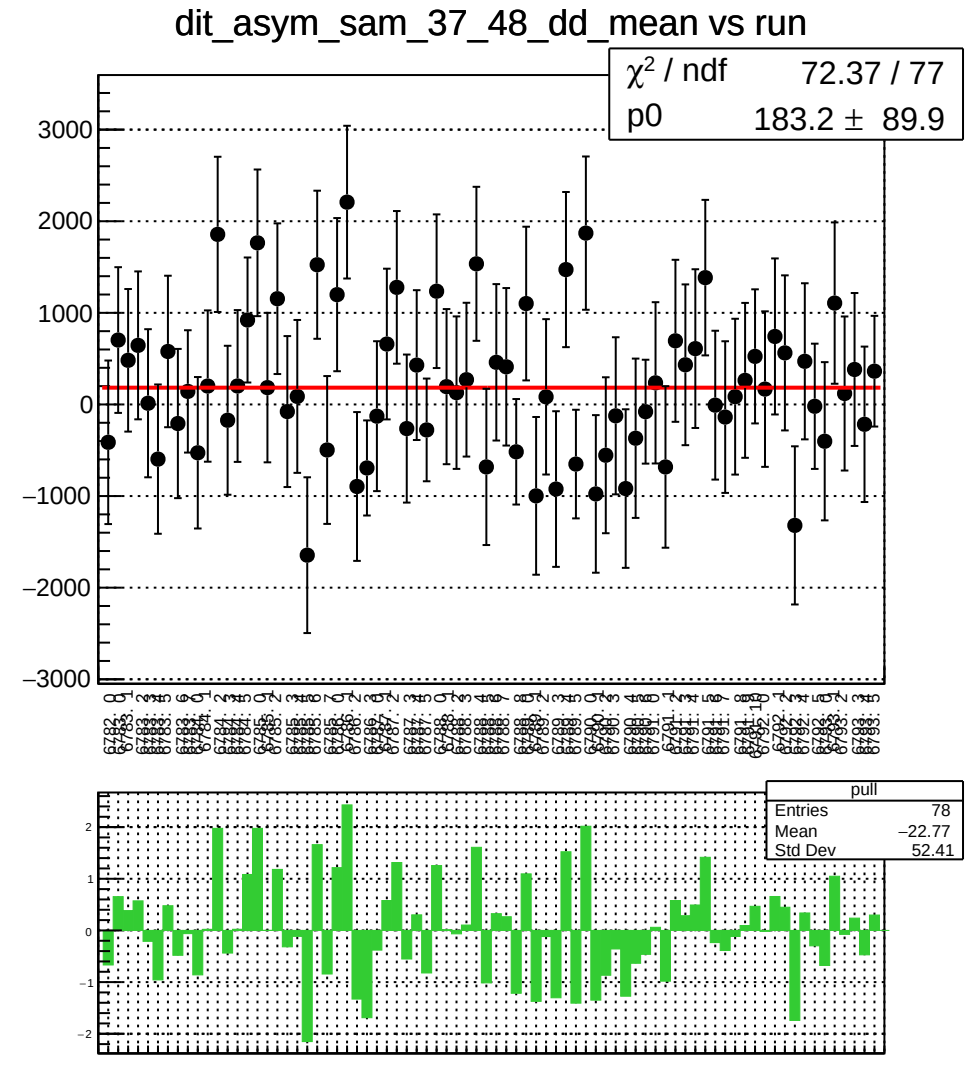

pull1D
Entries 78
Mean 0.006808
Std Dev 0.9666

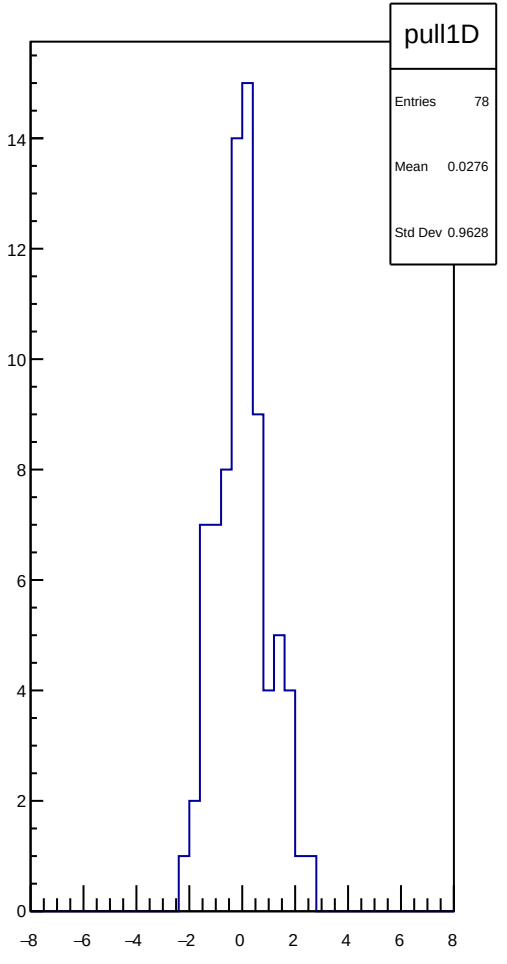

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 924.6 / 77
p0 505.3 ± 0.4037
550
540
530
520
510
500
490
480
470

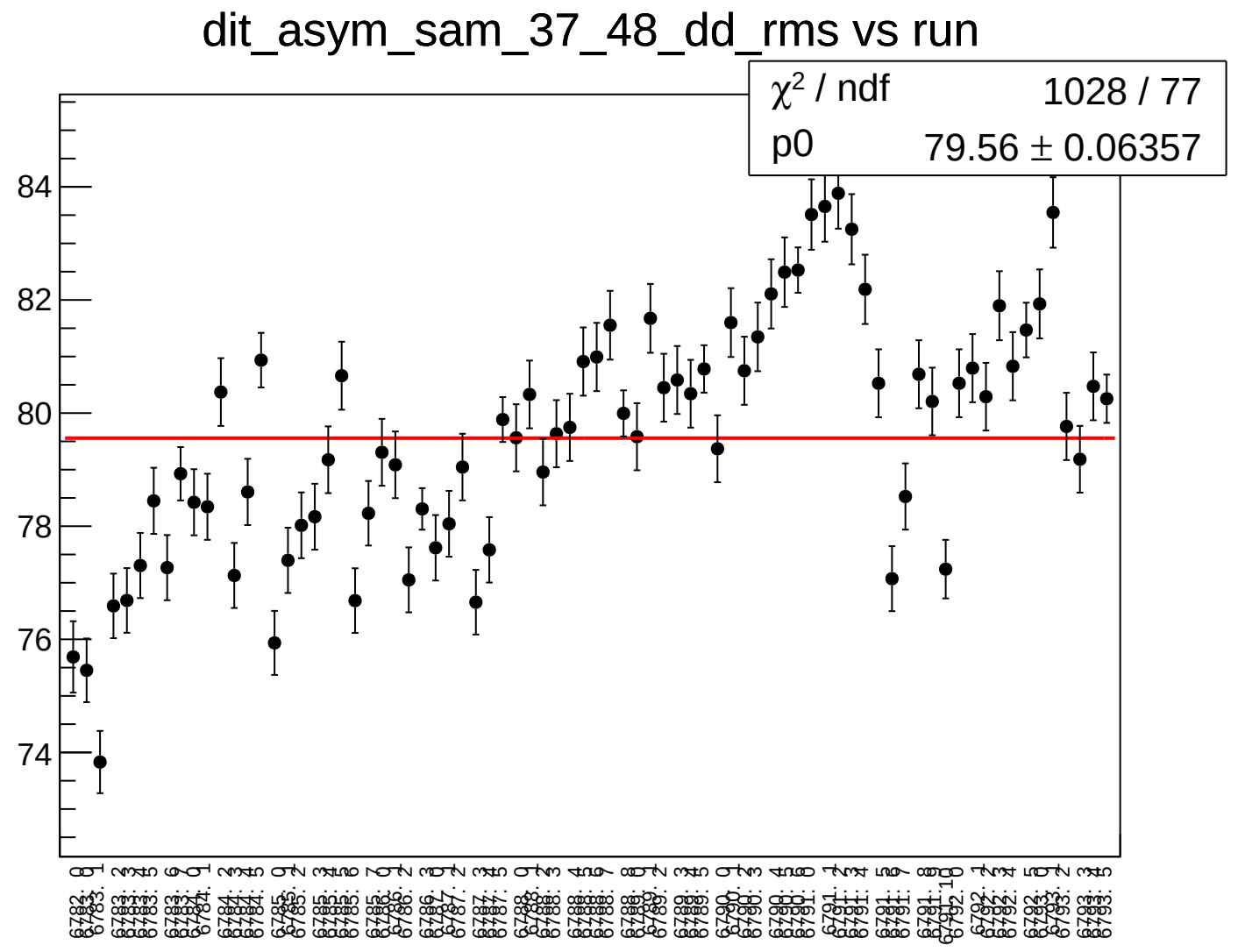

asym_sam_15_48_dd_mean vs run
χ² / ndf 74.01 / 77
p0 −2096 ± 573.2
pull
Entries 78
Mean −1976
Std Dev 2008

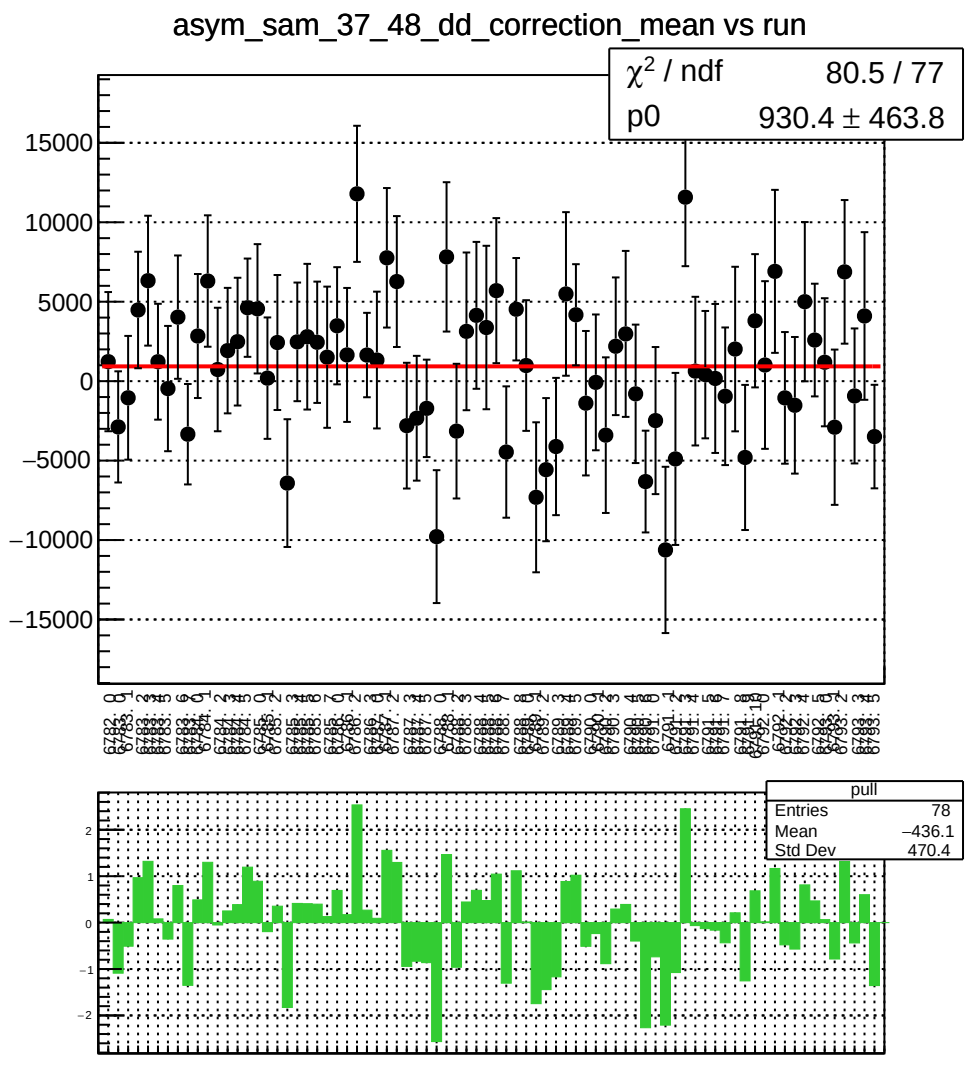

pull1D
Entries 78
Mean −0.00208
Std Dev 0.9741

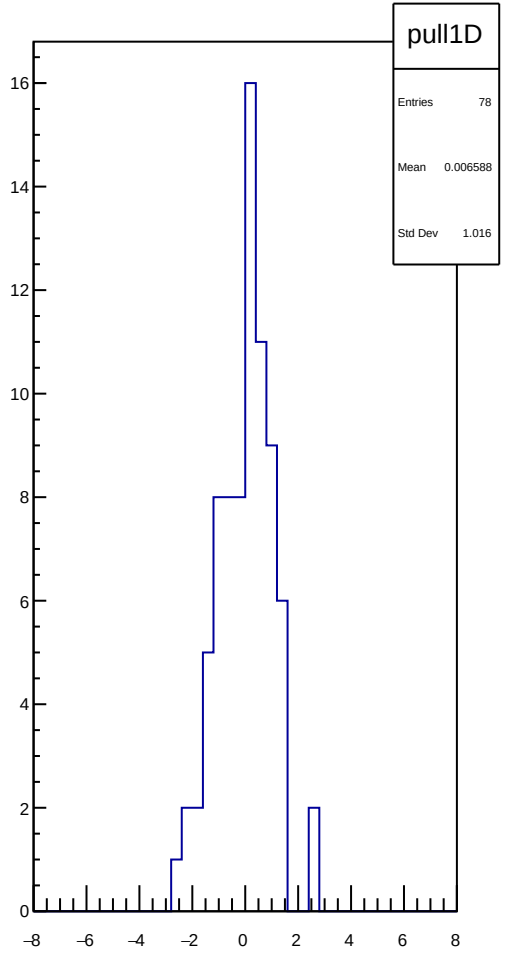

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1662 / 77
p0 507.2 ± 0.4053
540
520
500
480
460

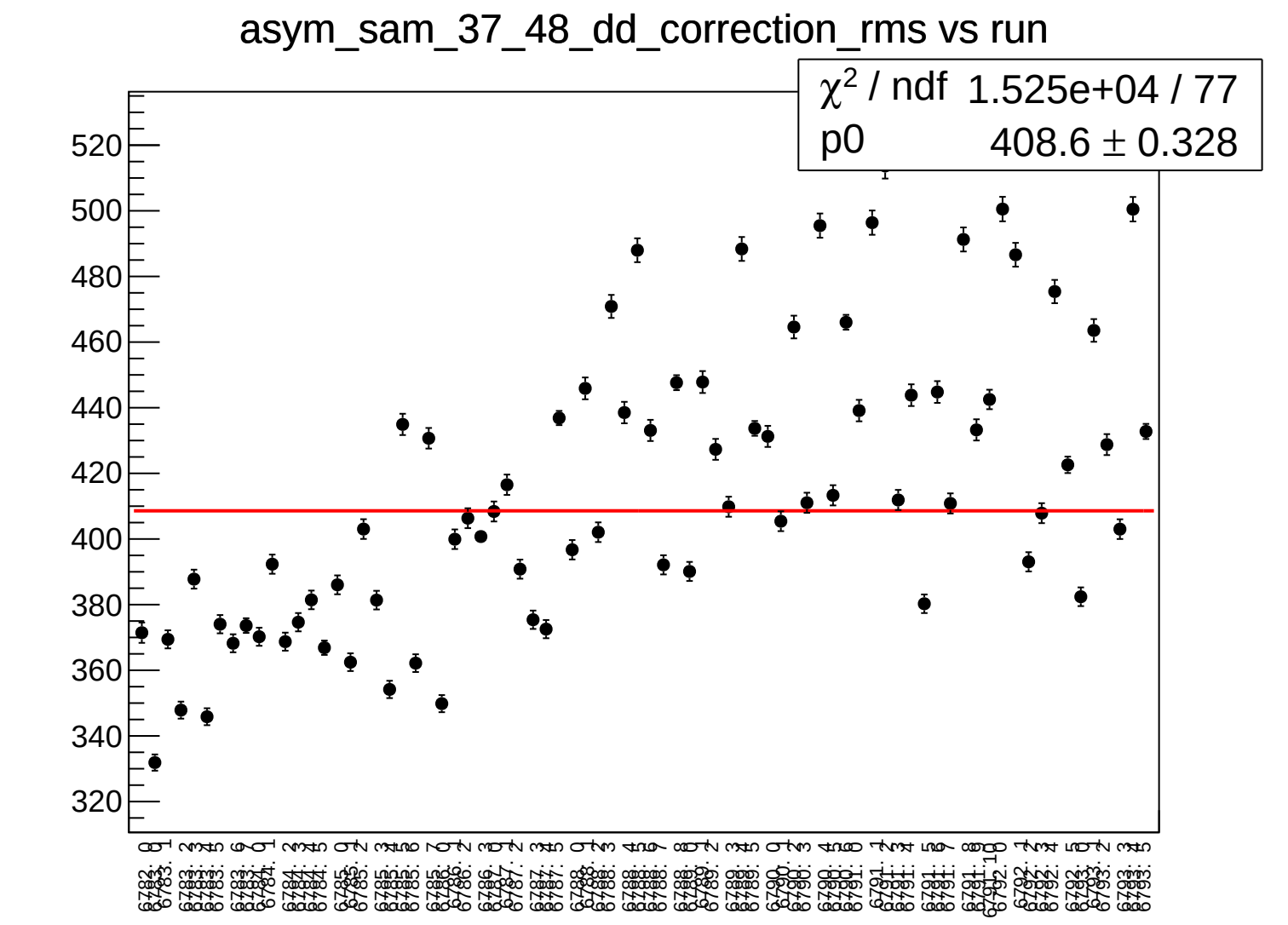

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 72.37 / 77
p0 183.2 ± 89.9
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 78
Mean −22.77
Std Dev 52.41
2
1
0
−1
−2

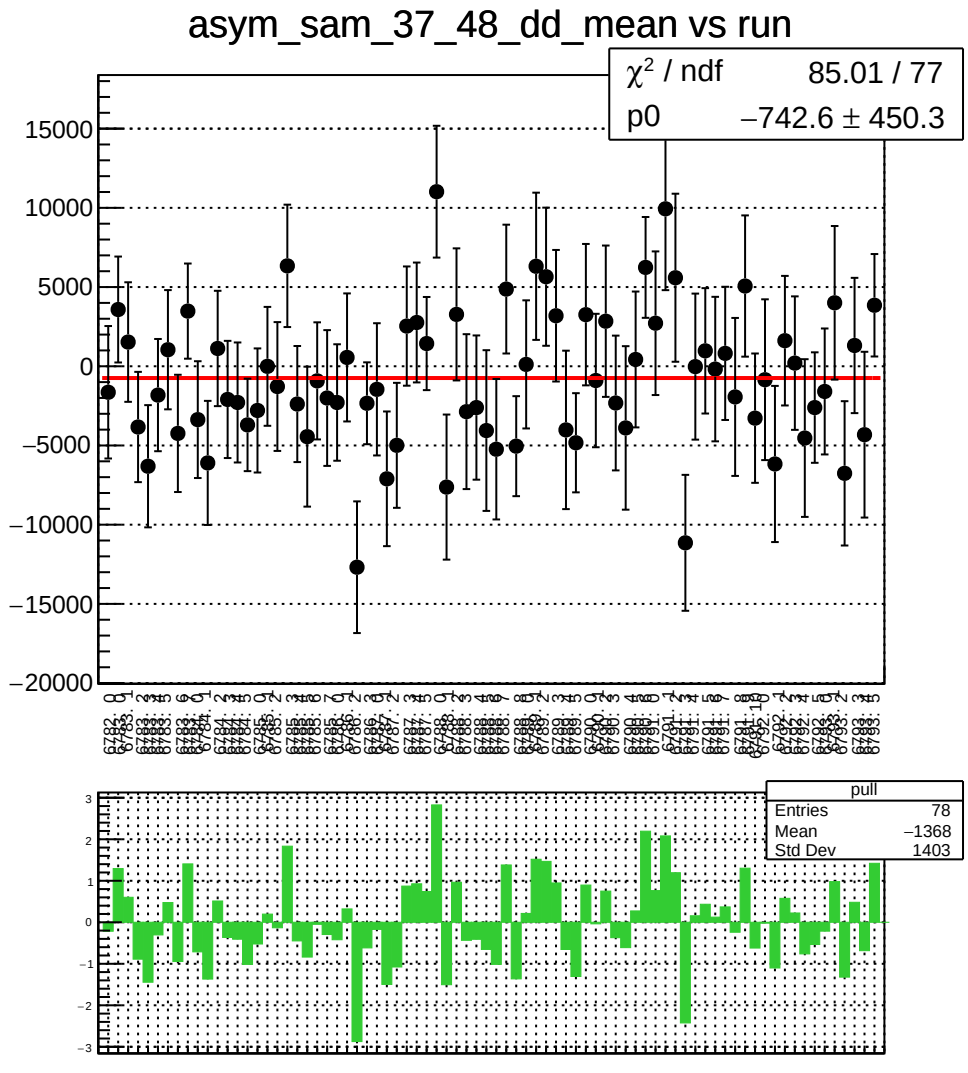

pull1D
Entries 78
Mean 0.0276
Std Dev 0.9628
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

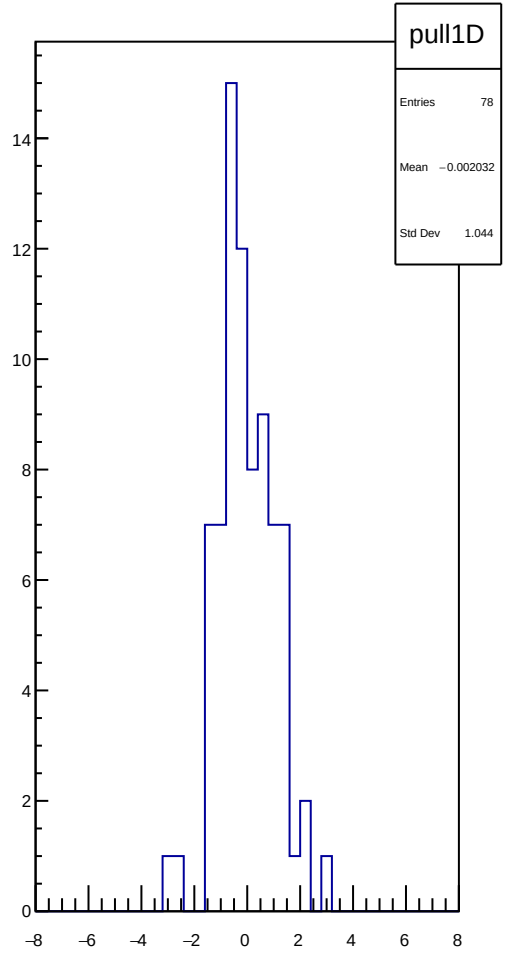

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1028 / 77
p0 79.56 ± 0.06357
84
82
80
78
76
74

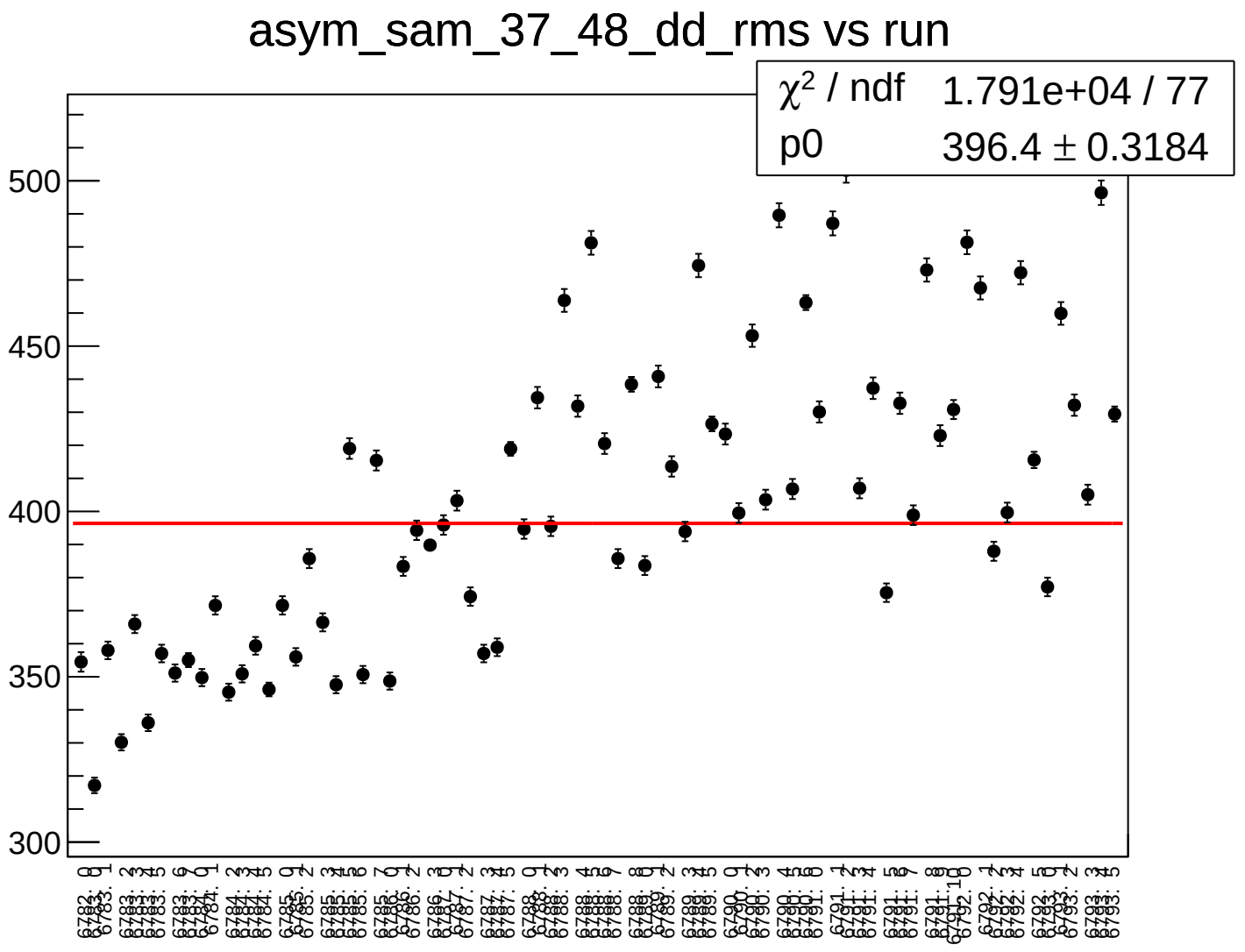

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 80.5 / 77
p0 930.4 ± 463.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −436.1
Std Dev 470.4
2
1
0
−1
−2

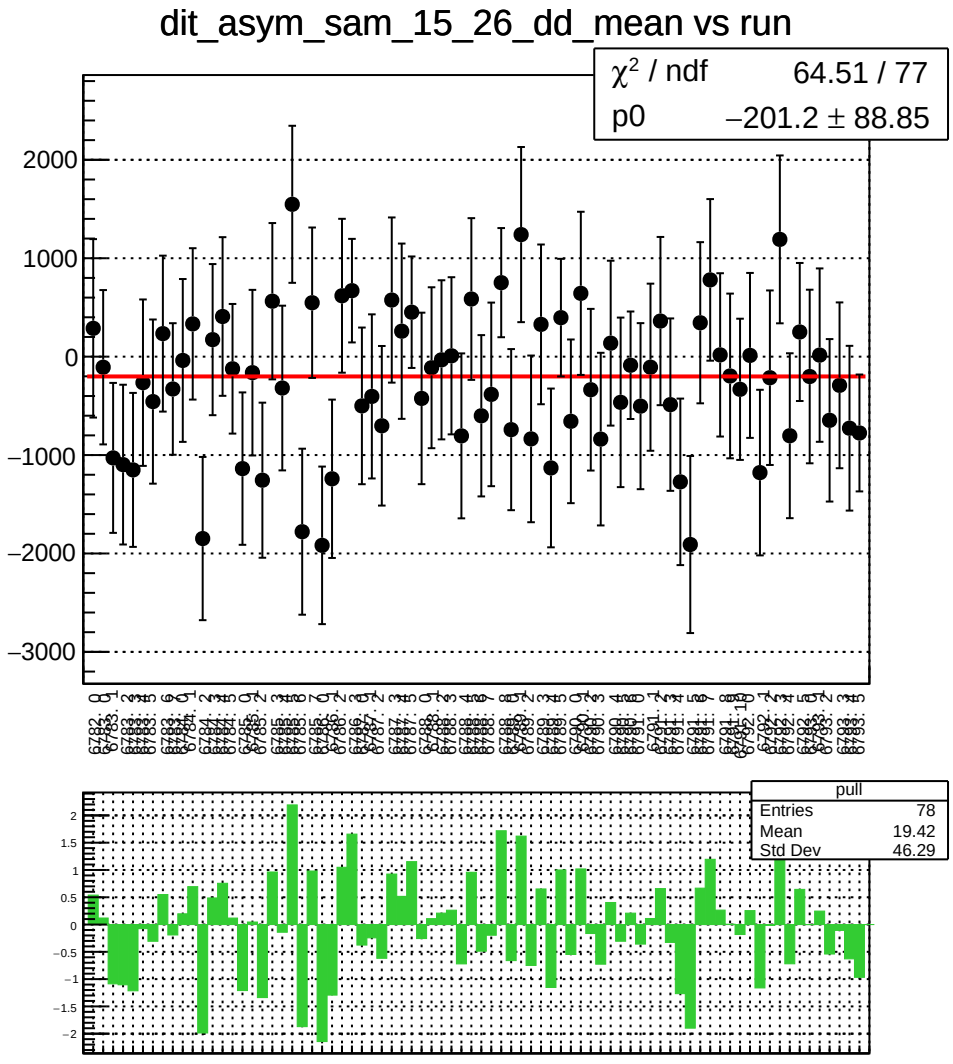

pull1D
Entries 78
Mean 0.006588
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

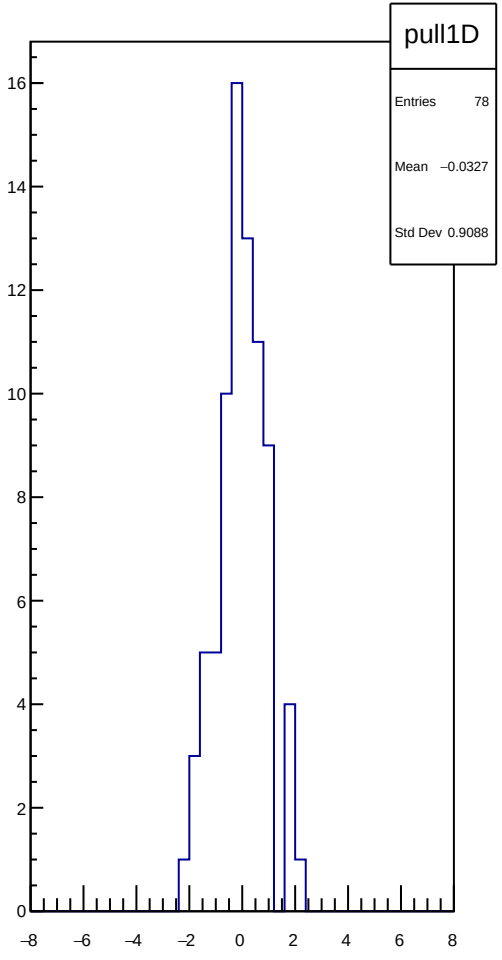

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1.525e+04 / 77
p0 408.6 ± 0.328
520
500
480
460
440
420
400
380
360
340
320

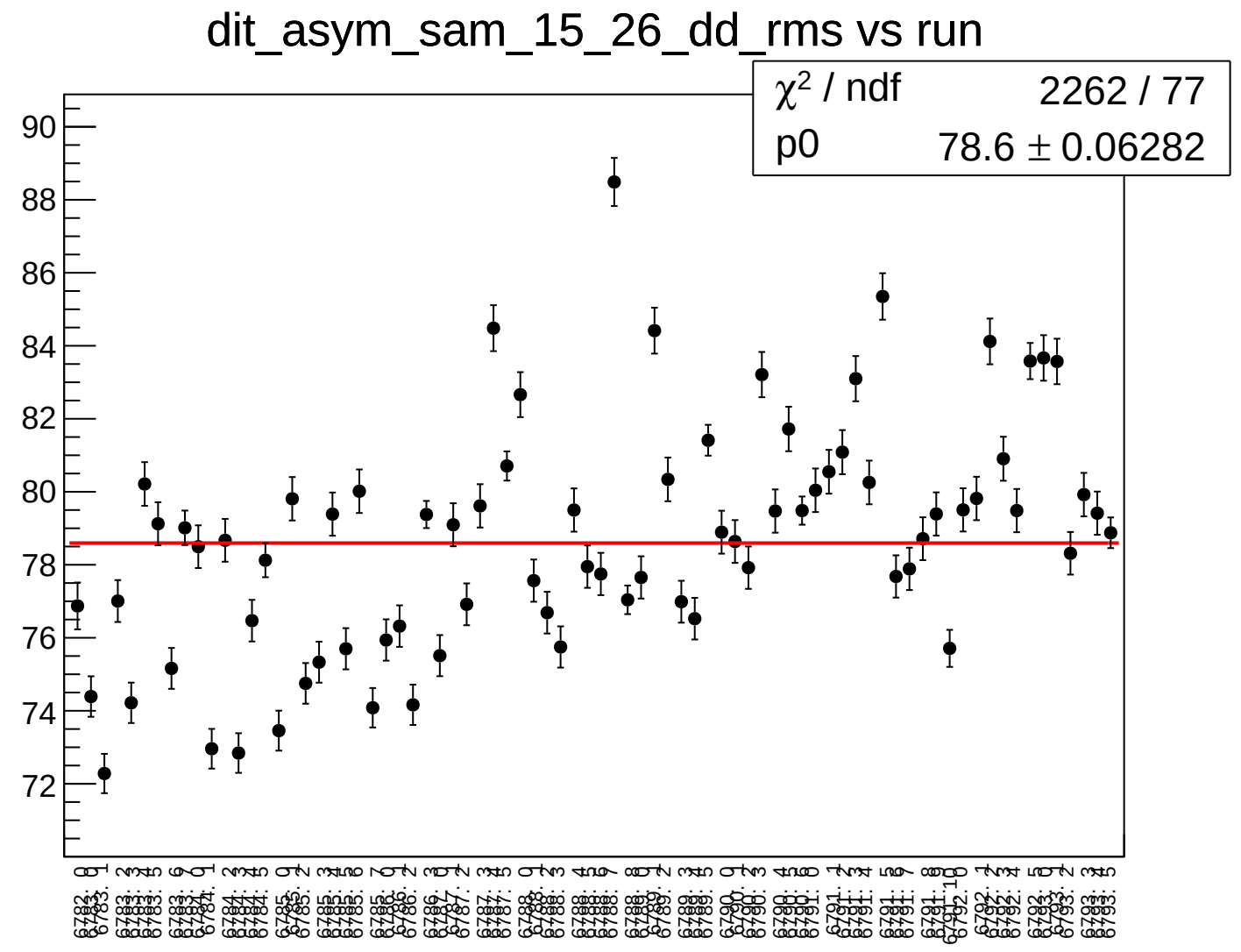

asym_sam_37_48_dd_mean vs run
χ² / ndf 85.01 / 77
p0 −742.6 ± 450.3
pull
Entries 78
Mean −1368
Std Dev 1403

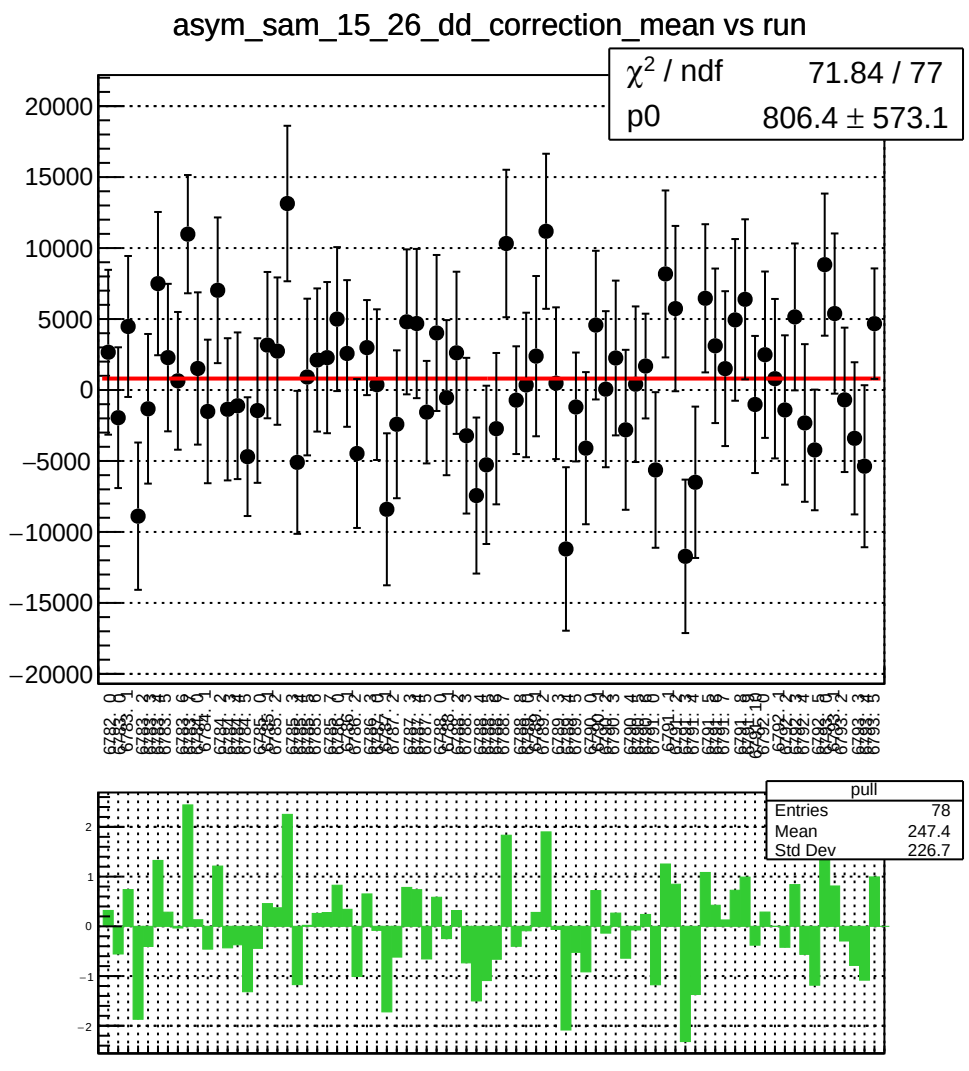

pull1D
Entries 78
Mean −0.002032
Std Dev 1.044

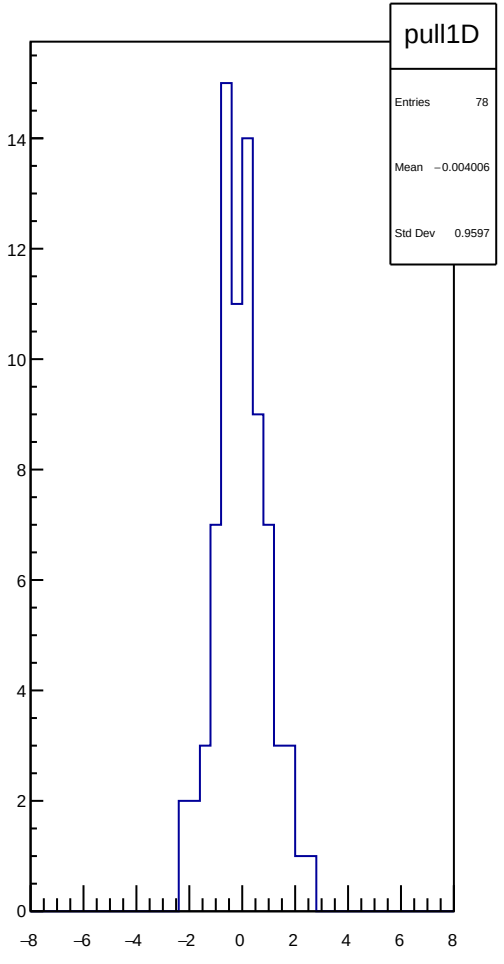

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.791e+04 / 77
p0 396.4 ± 0.3184
500
450
400
350
300

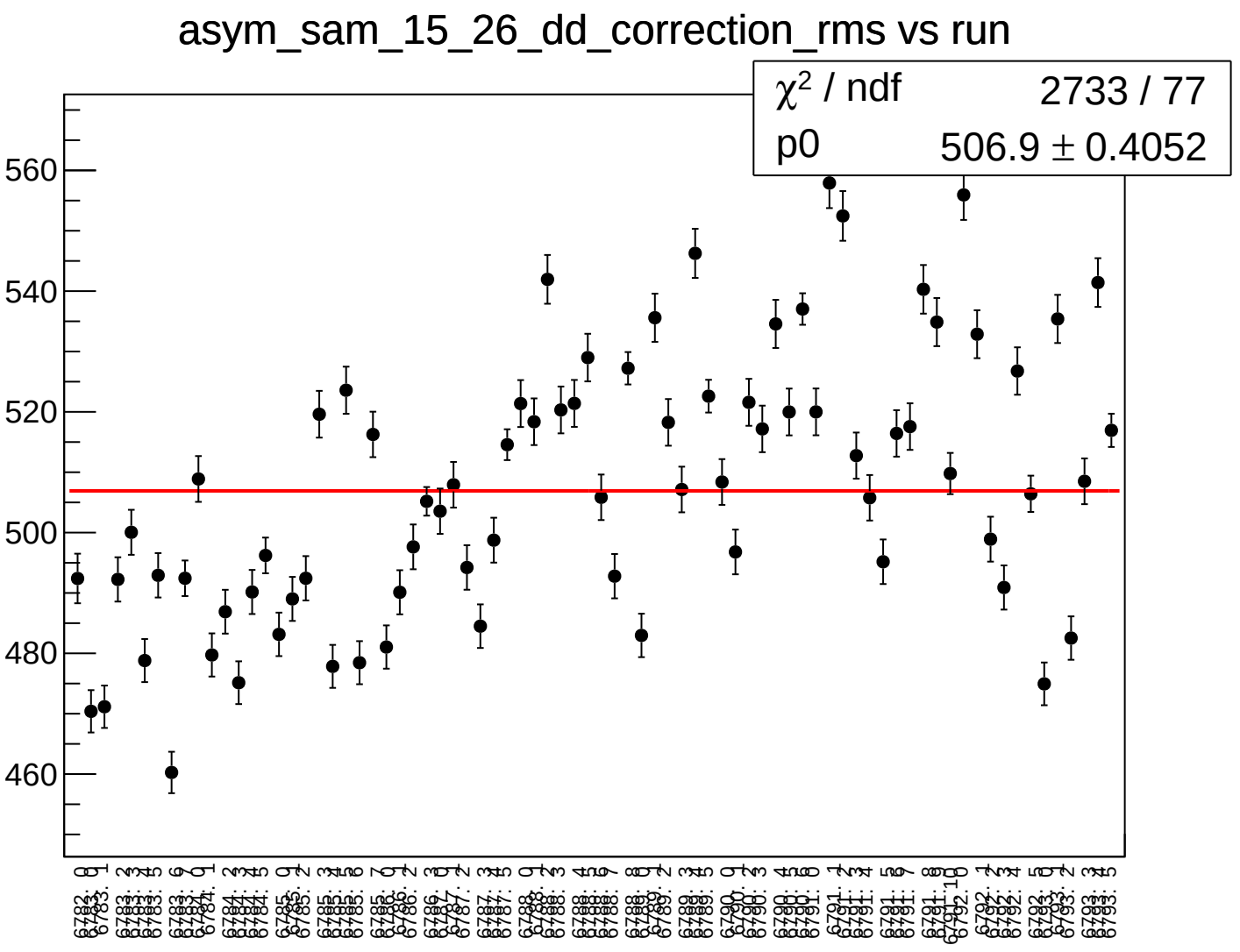

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 64.51 / 77
p0 −201.2 ± 88.85
pull
Entries 78
Mean 19.42
Std Dev 46.29

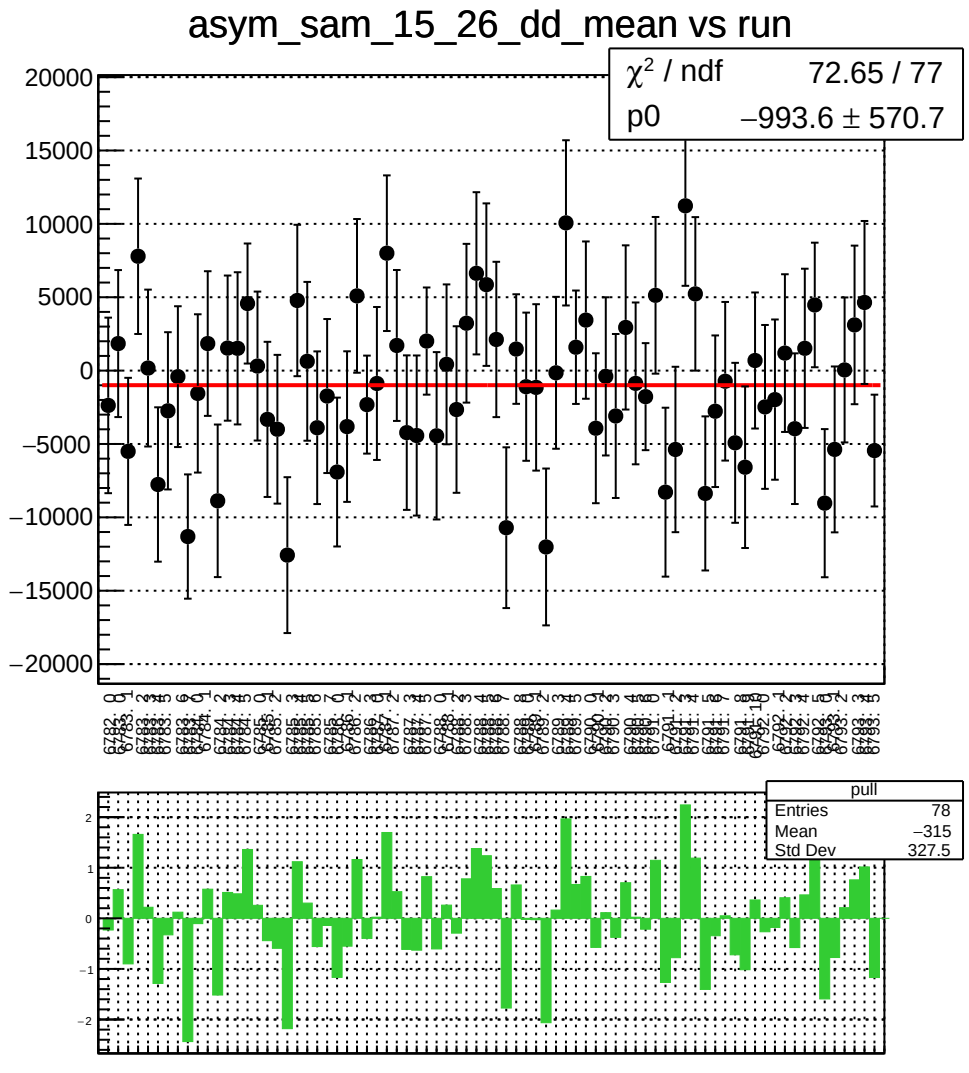

pull1D
Entries 78
Mean −0.0327
Std Dev 0.9088

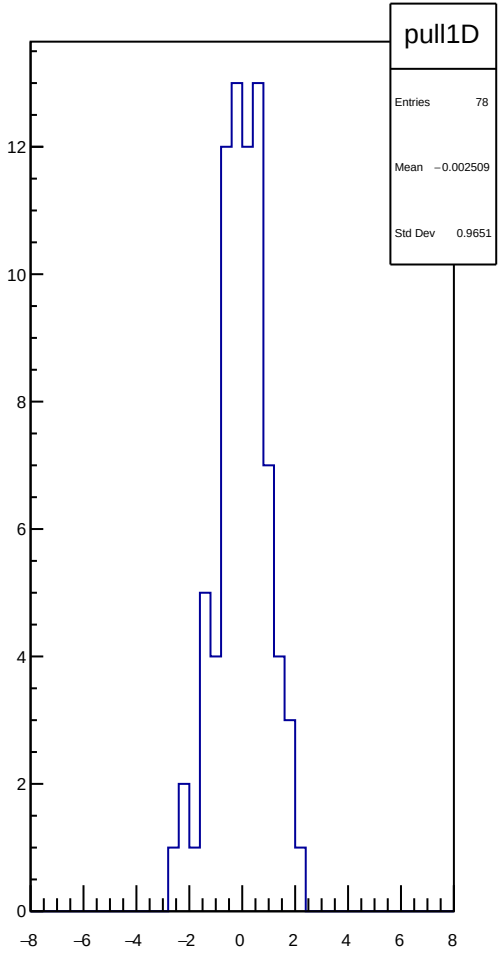

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2262 / 77
p0 78.6 ± 0.06282
90
88
86
84
82
80
78
76
74
72

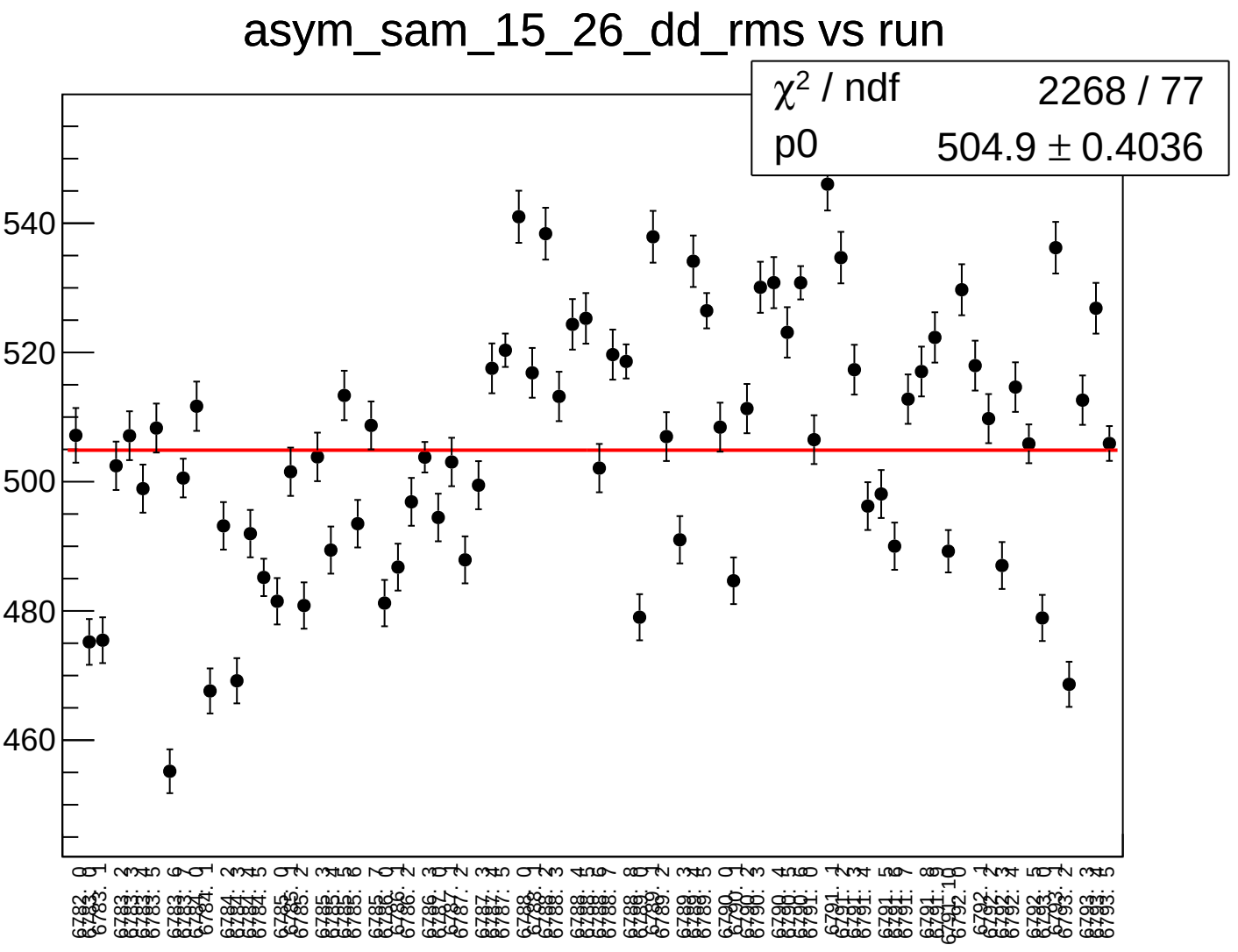

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 71.84 / 77
p0 806.4 ± 573.1
pull
Entries 78
Mean 247.4
Std Dev 226.7

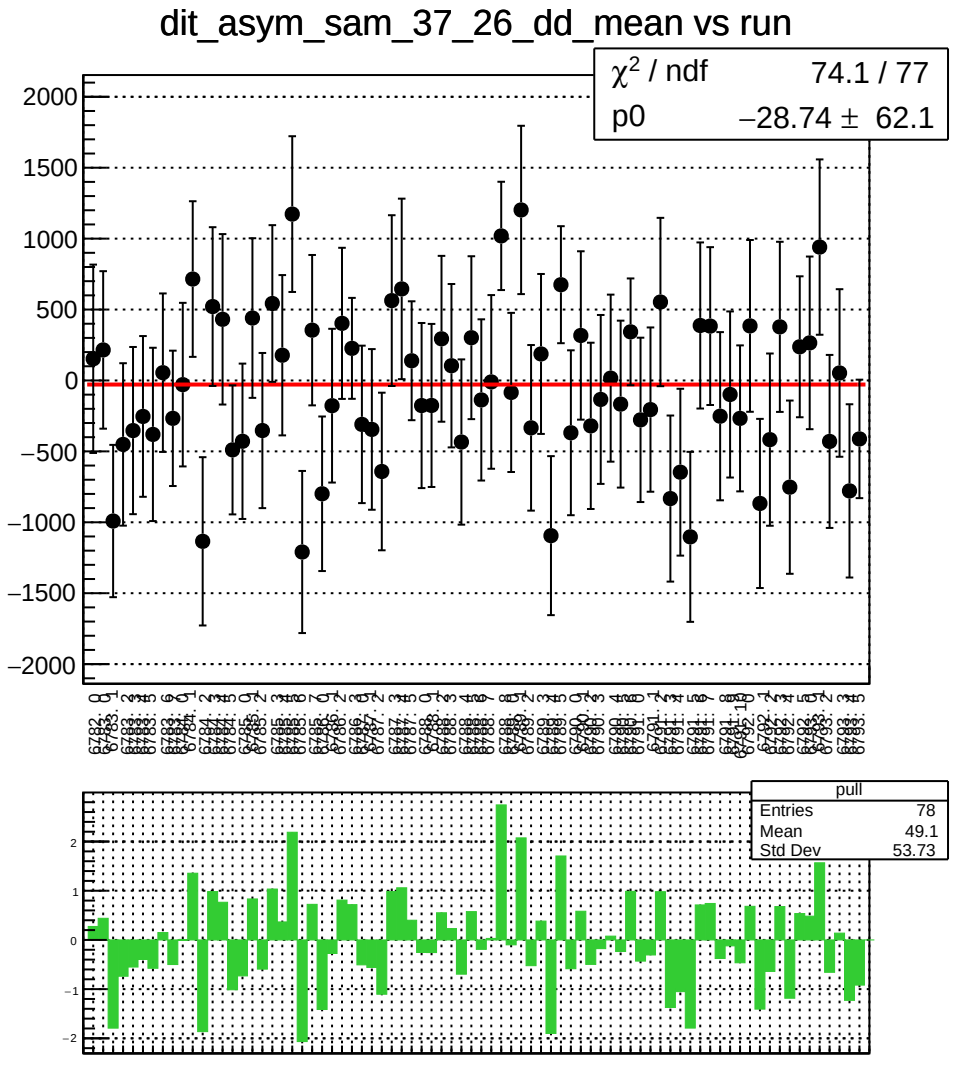

pull1D
Entries 78
Mean −0.004006
Std Dev 0.9597

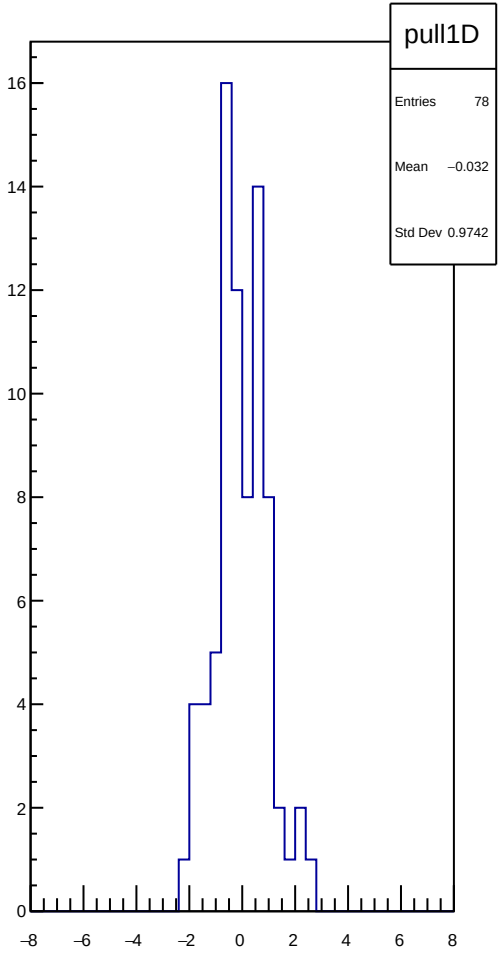

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2733 / 77
p0 506.9 ± 0.4052
560
540
520
500
480
460

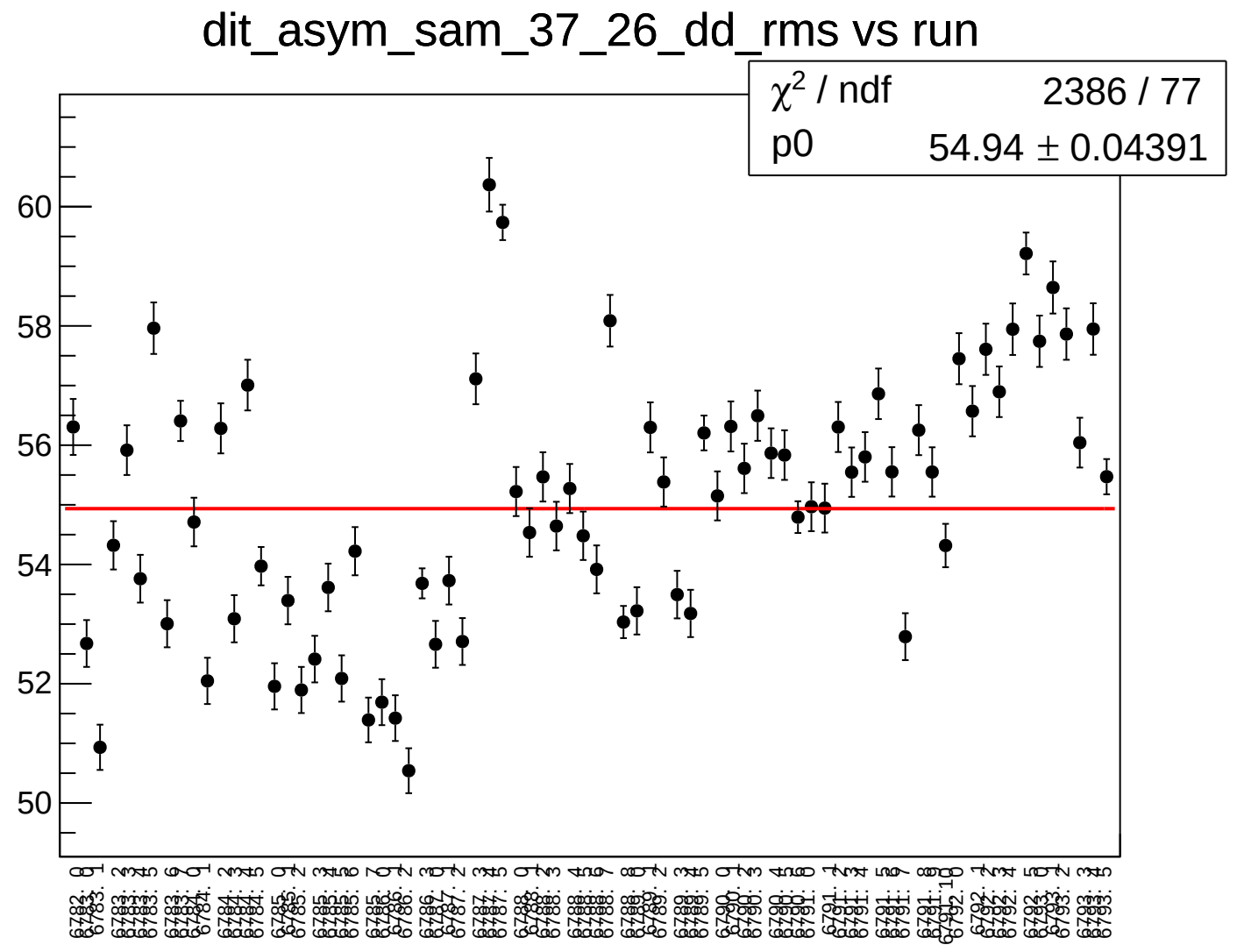

asym_sam_15_26_dd_mean vs run
χ² / ndf 72.65 / 77
p0 −993.6 ± 570.7
pull
Entries 78
Mean −315
Std Dev 327.5

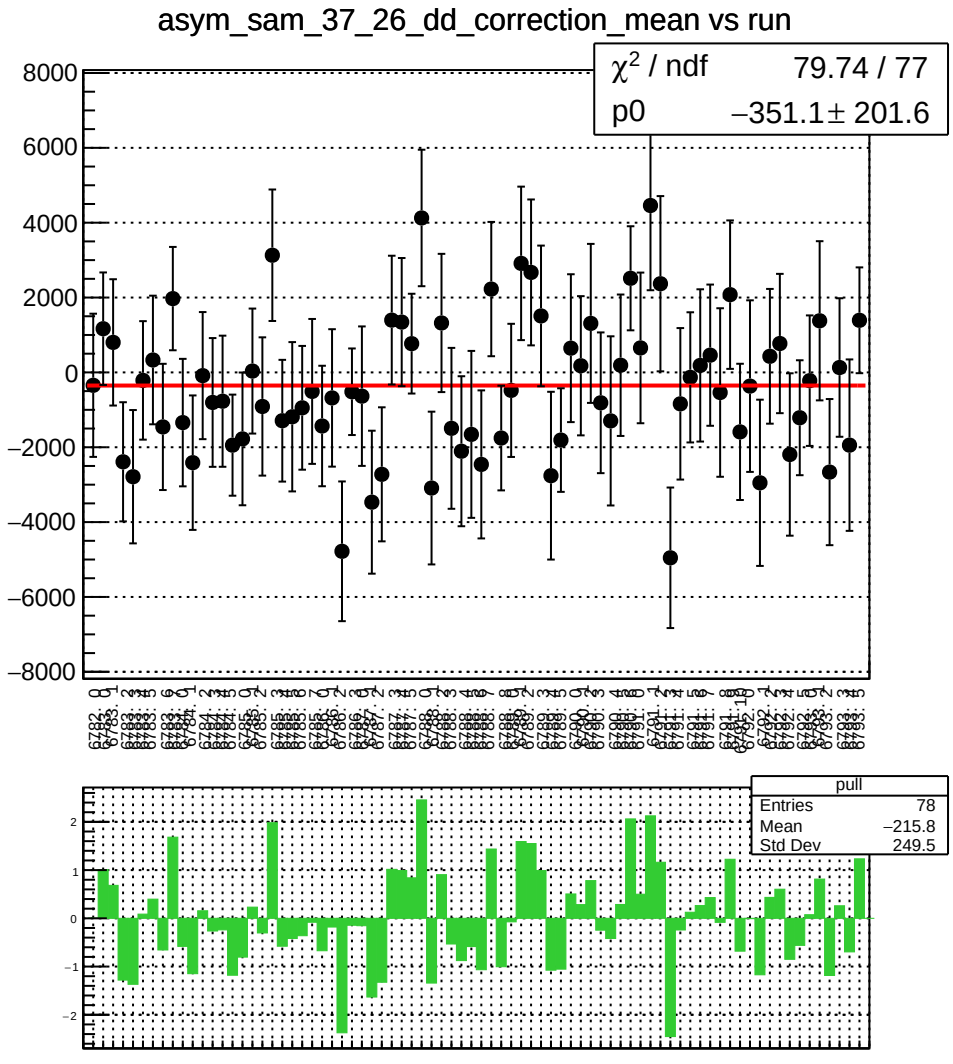

pull1D
Entries 78
Mean −0.002509
Std Dev 0.9651

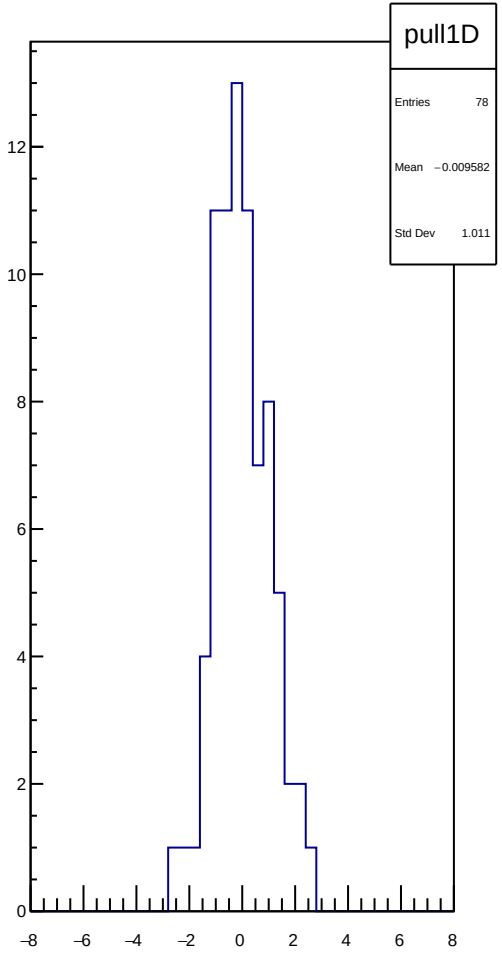

asym_sam_15_26_dd_rms vs run
χ² / ndf 2268 / 77
p0 504.9 ± 0.4036
540
520
500
480
460

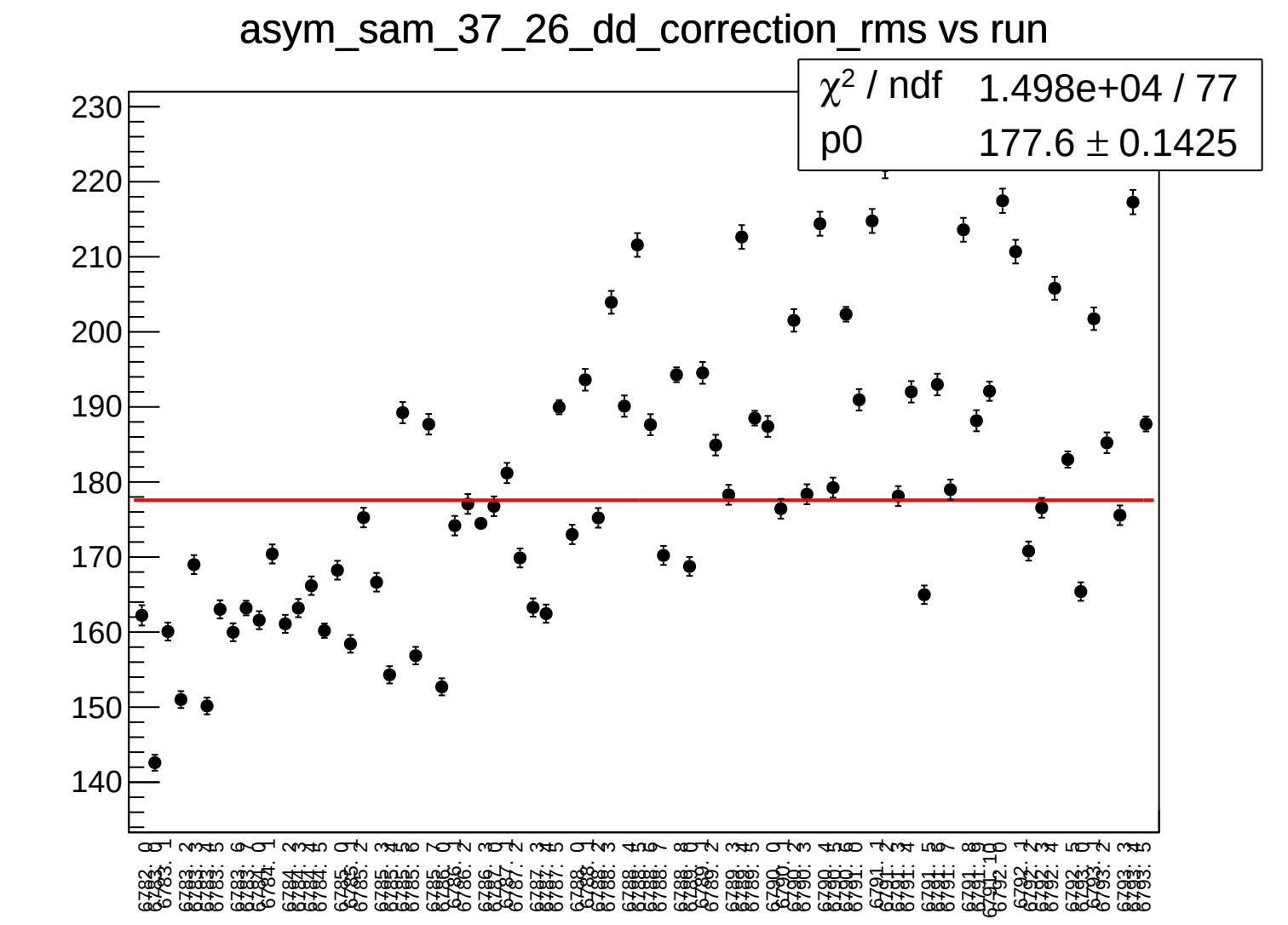

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 74.1 / 77
p0 −28.74 ± 62.1
pull
Entries 78
Mean 49.1
Std Dev 53.73

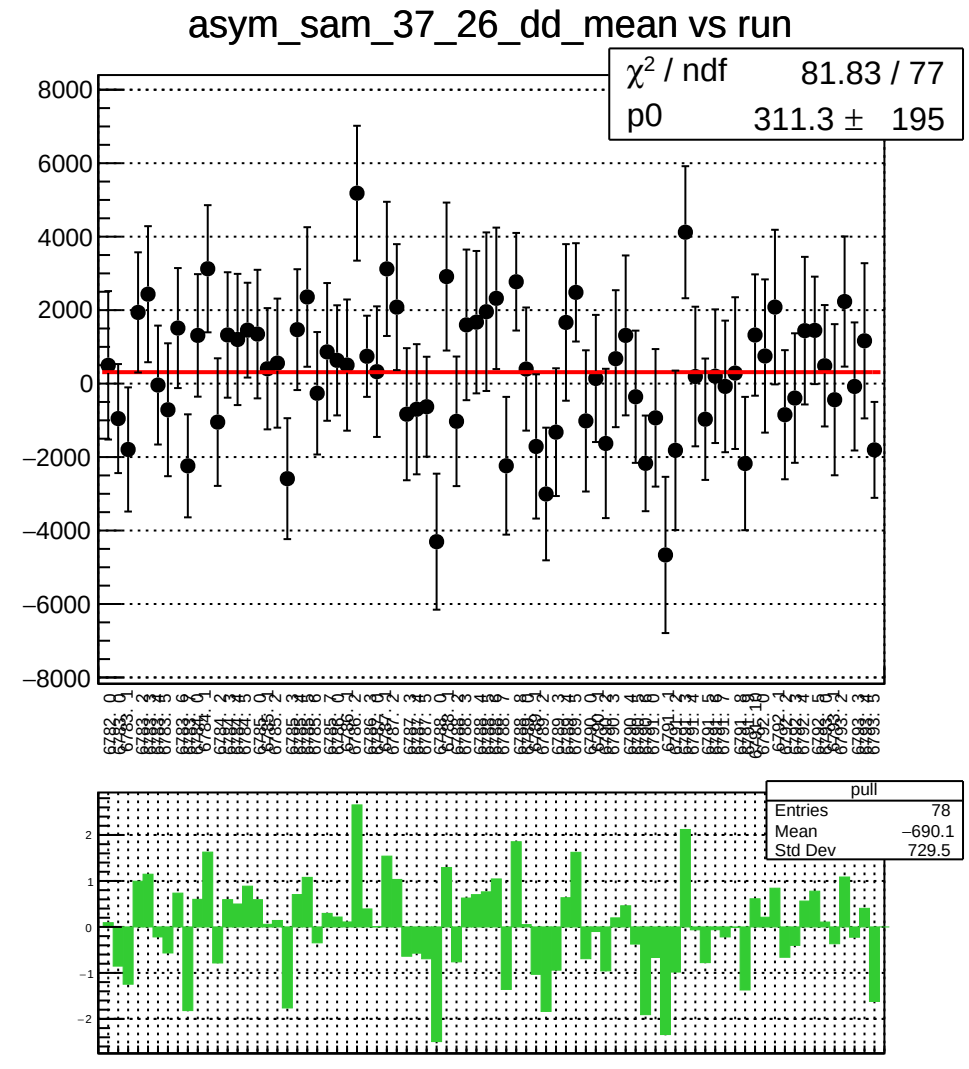

pull1D
Entries 78
Mean −0.032
Std Dev 0.9742

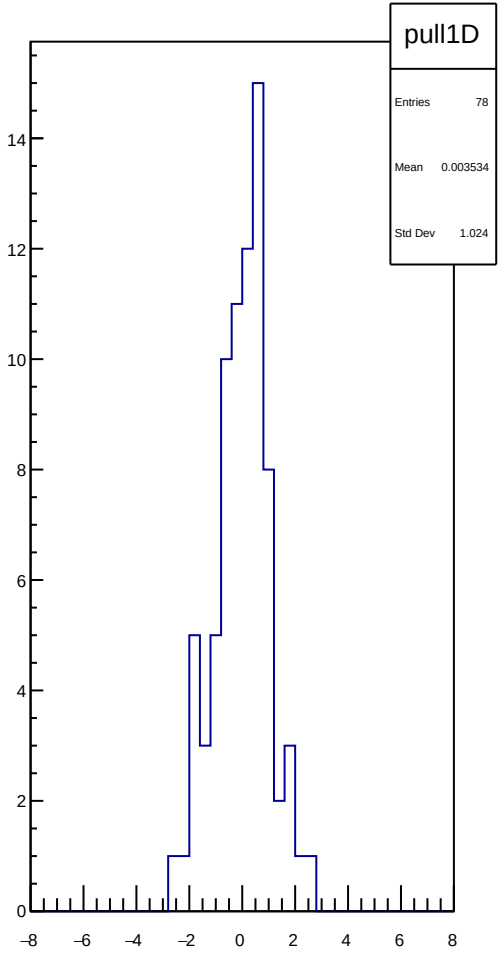

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2386 / 77
p0 54.94 ± 0.04391
60
58
56
54
52
50

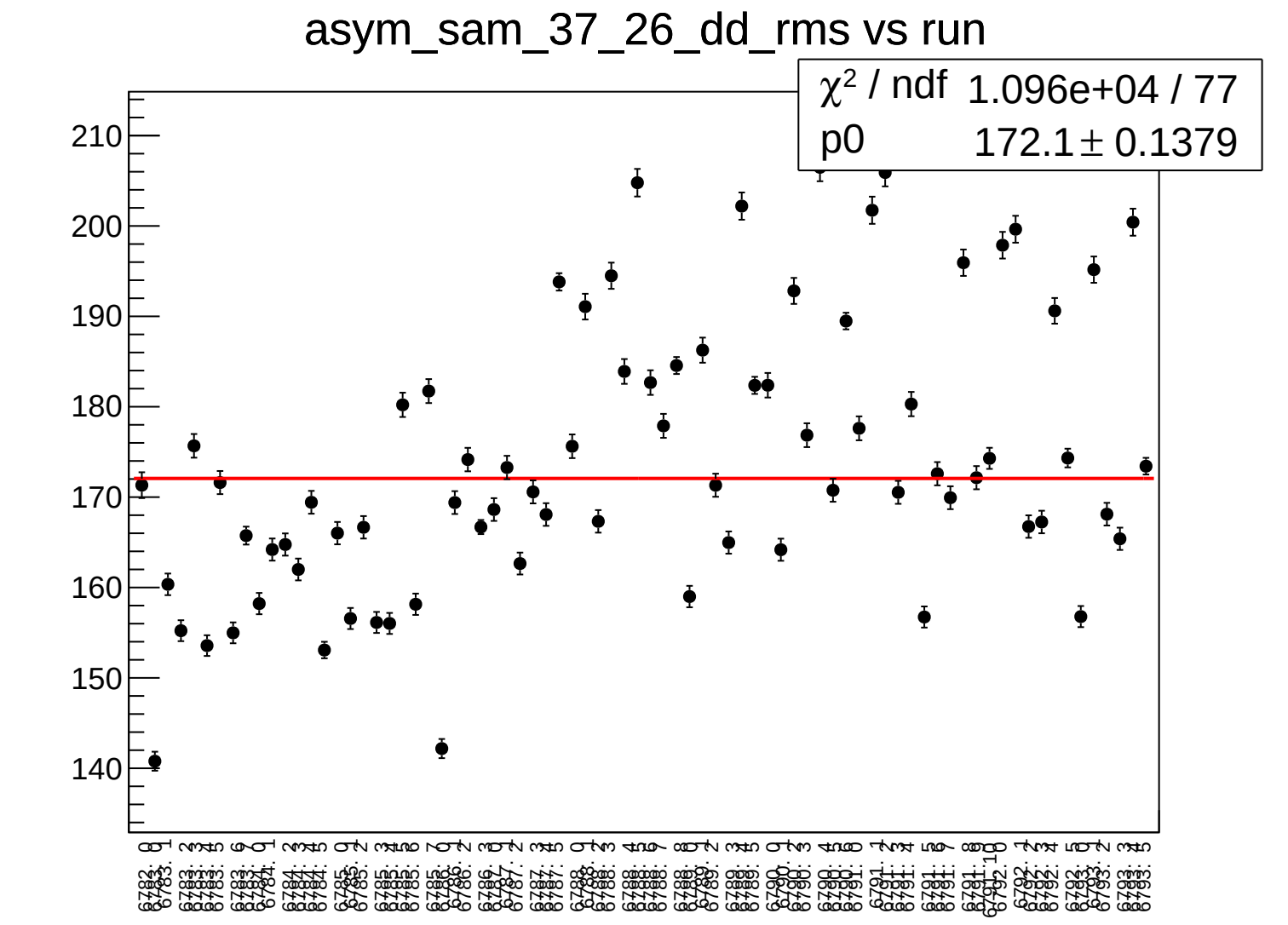

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 79.74 / 77
p0 −351.1± 201.6
pull
Entries 78
Mean −215.8
Std Dev 249.5

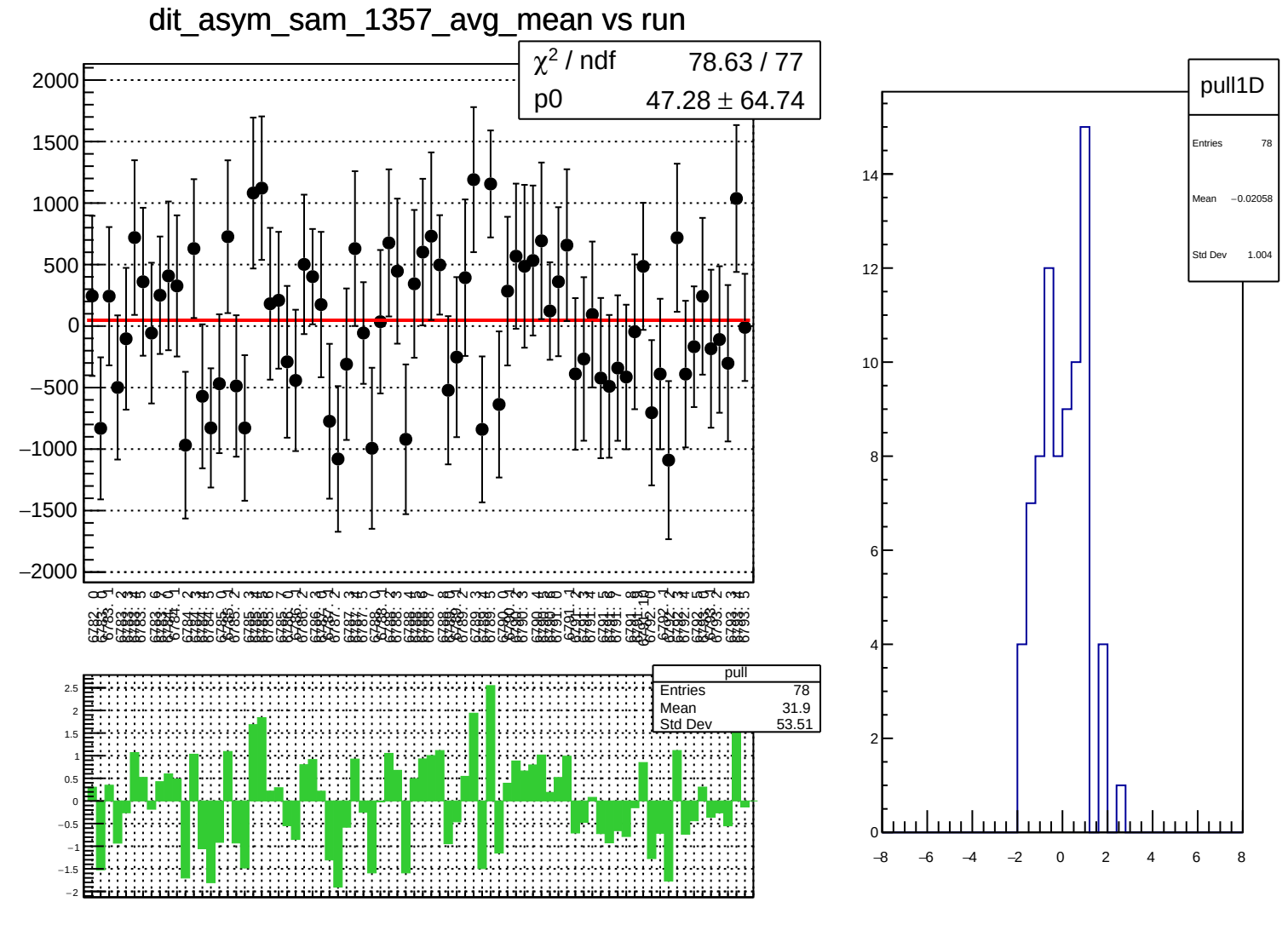

pull1D
Entries 78
Mean −0.009582
Std Dev 1.011


asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.498e+04 / 77
p0 177.6 ± 0.1425
230
220
210
200
190
180
170
160
150
140

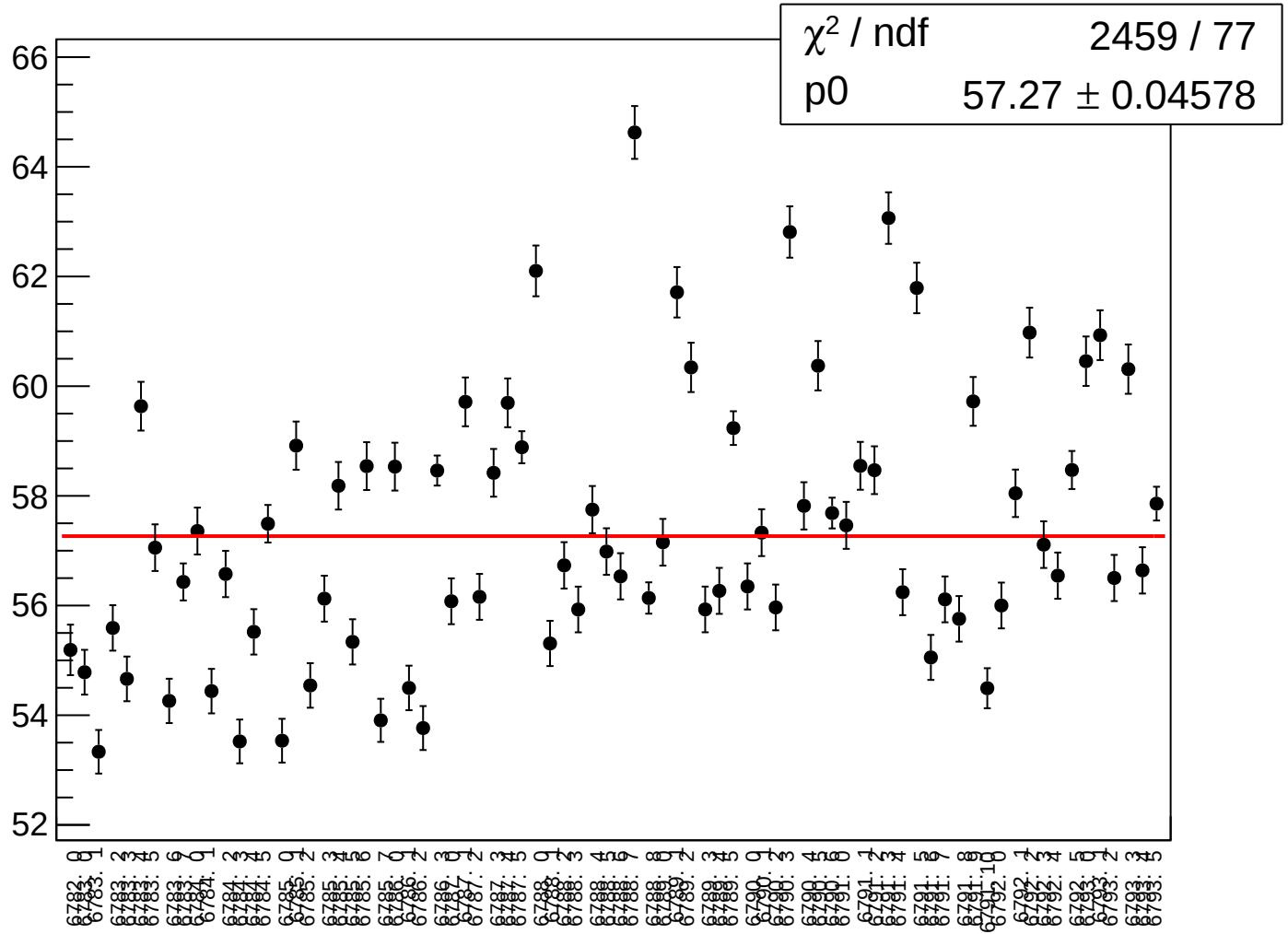

asym_sam_37_26_dd_mean vs run
χ² / ndf 81.83 / 77
p0 311.3 ± 195
pull
Entries 78
Mean −690.1
Std Dev 729.5

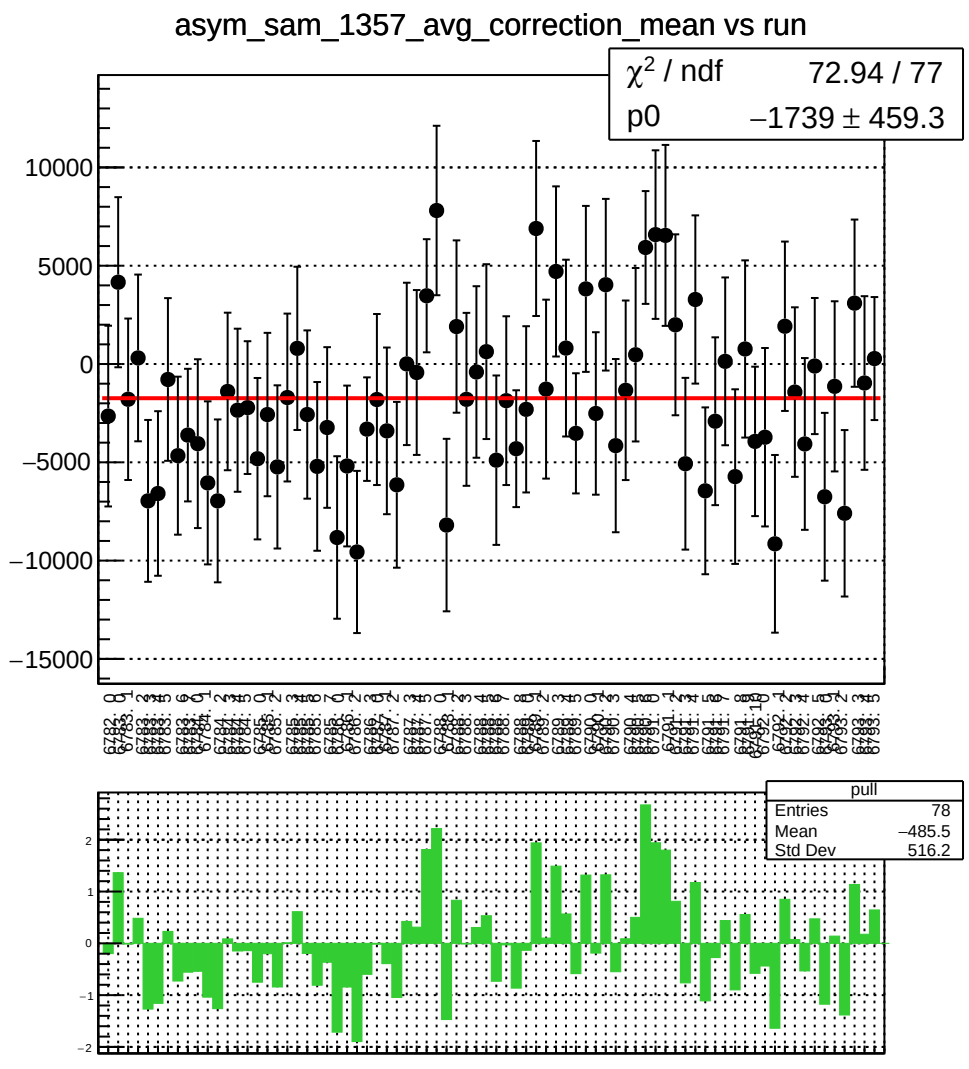

pull1D
Entries 78
Mean 0.003534
Std Dev 1.024

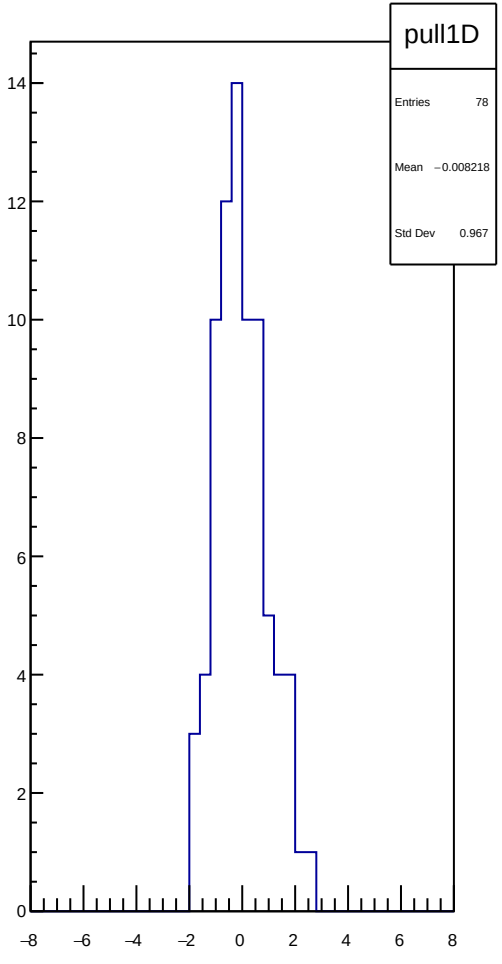

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.096e+04 / 77
p0 172.1 ± 0.1379
210
200
190
180
170
160
150
140

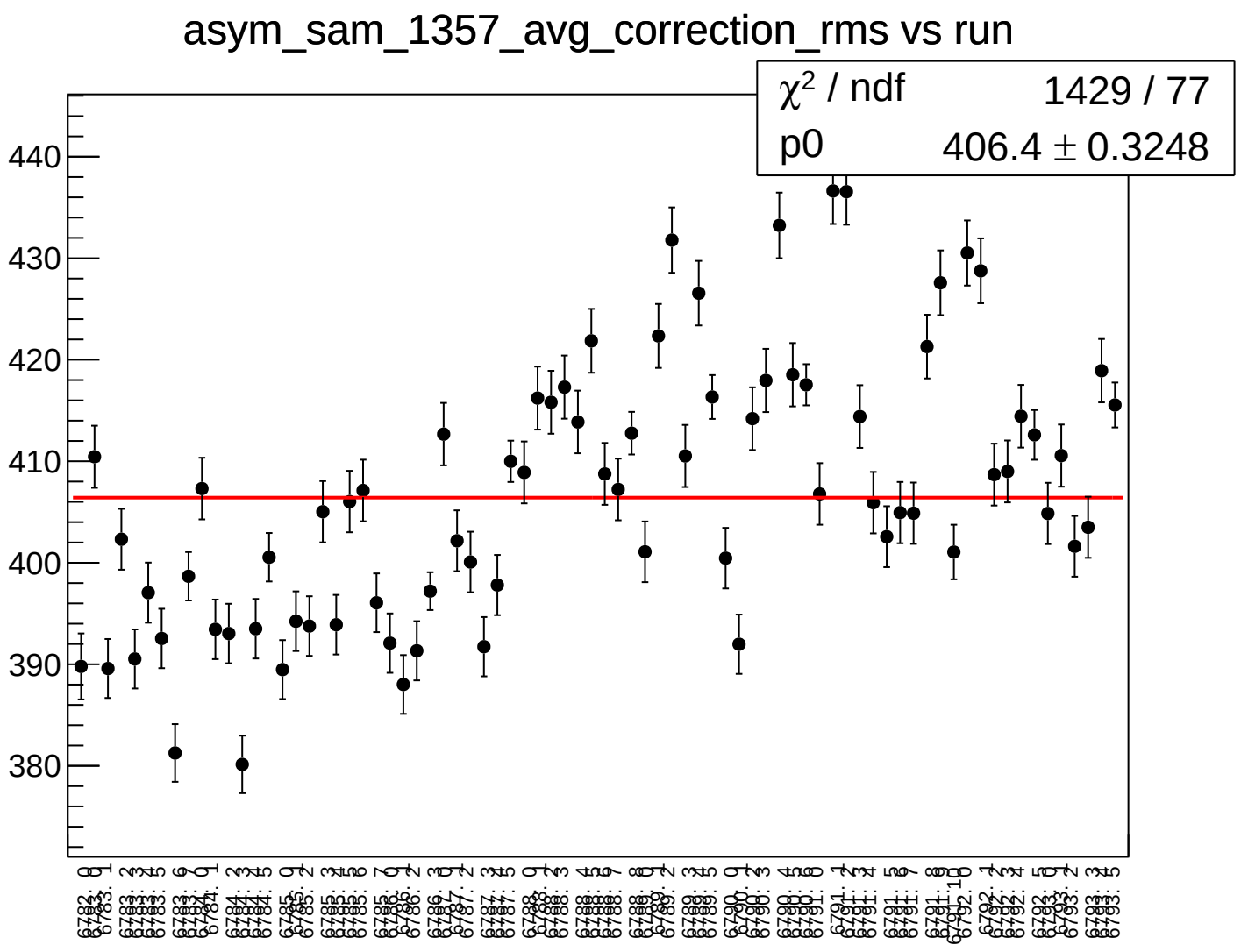

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 78.63 / 77
p0 47.28 ± 64.74
pull
Entries 78
Mean 31.9
Std Dev 53.51
pull1D
Entries 78
Mean −0.02058
Std Dev 1.004

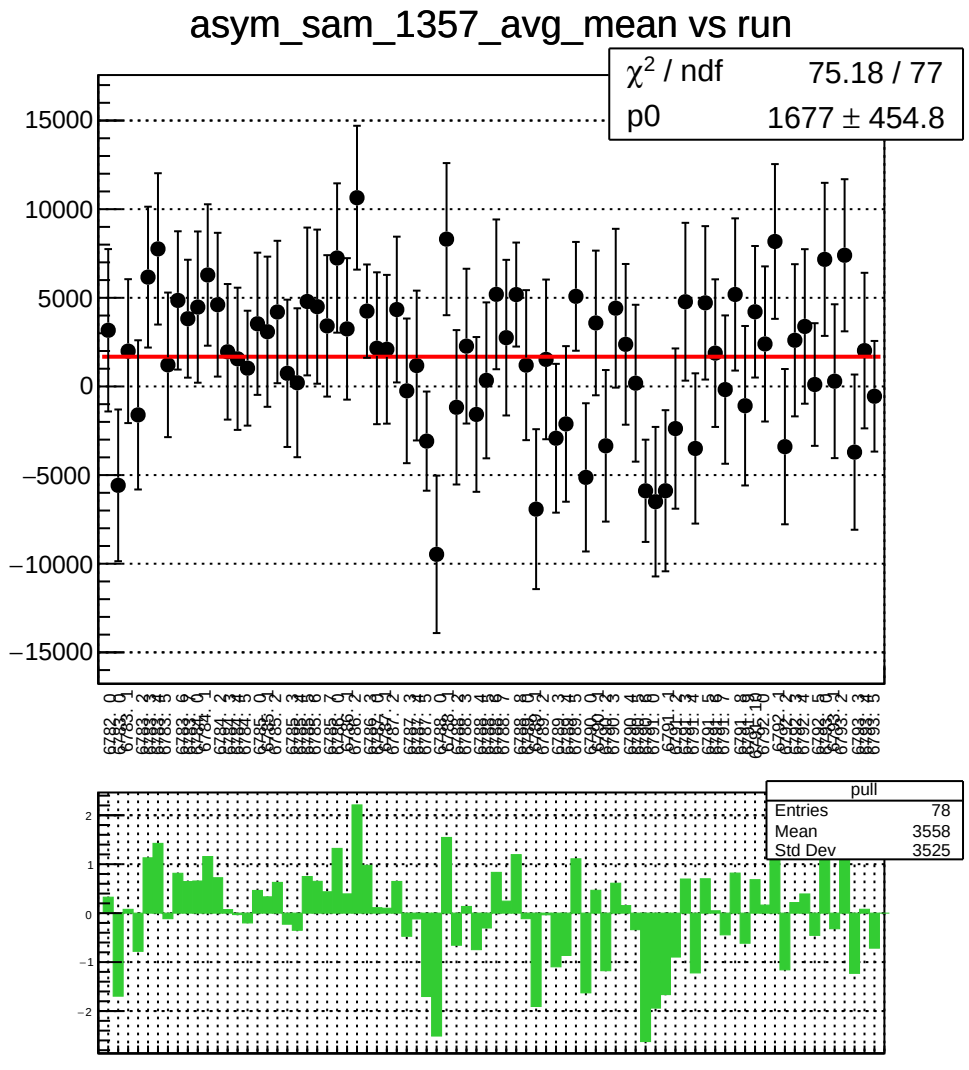
dit_asym_sam_1357_avg_rms vs run

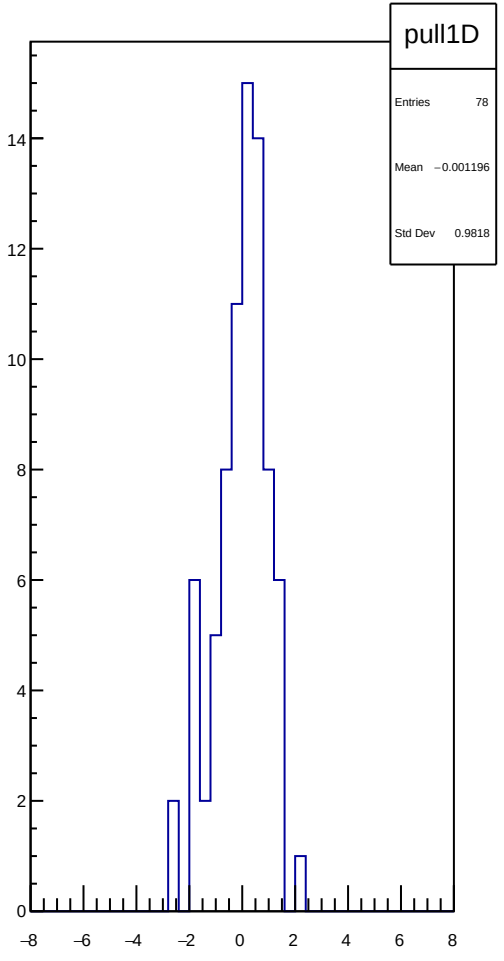


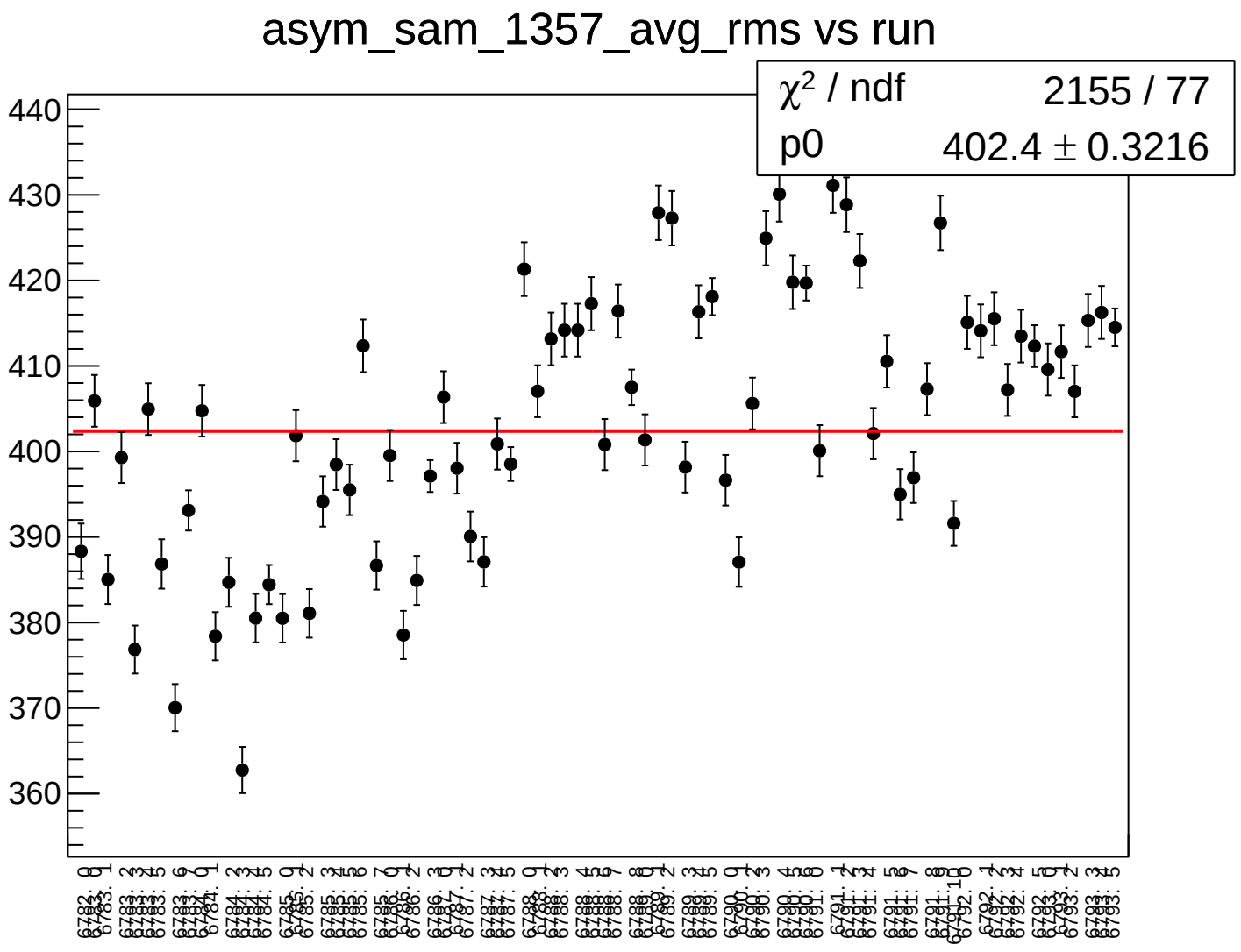

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.94 / 77
p0 −1739 ± 459.3
pull
Entries 78
Mean −485.5
Std Dev 516.2

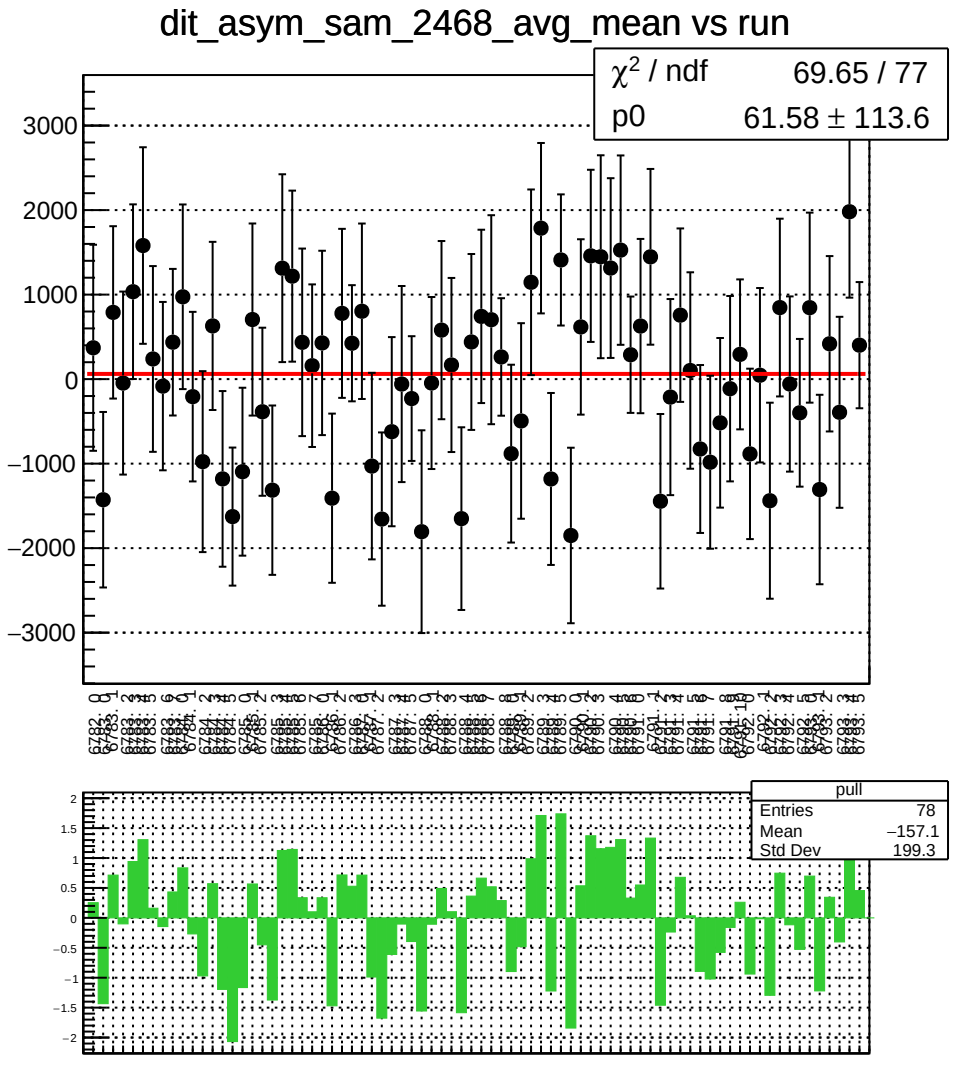

pull1D
Entries 78
Mean −0.008218
Std Dev 0.967

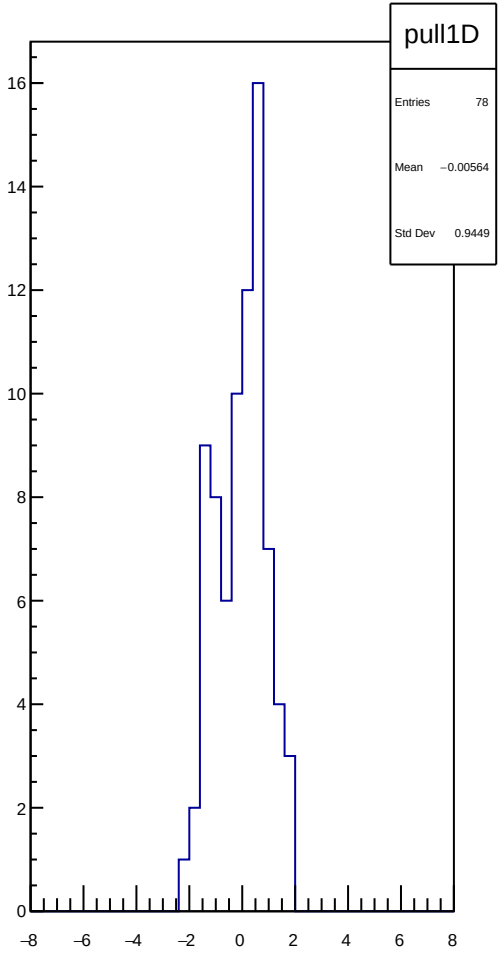

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1429 / 77
p0 406.4 ± 0.3248
440
430
420
410
400
390
380

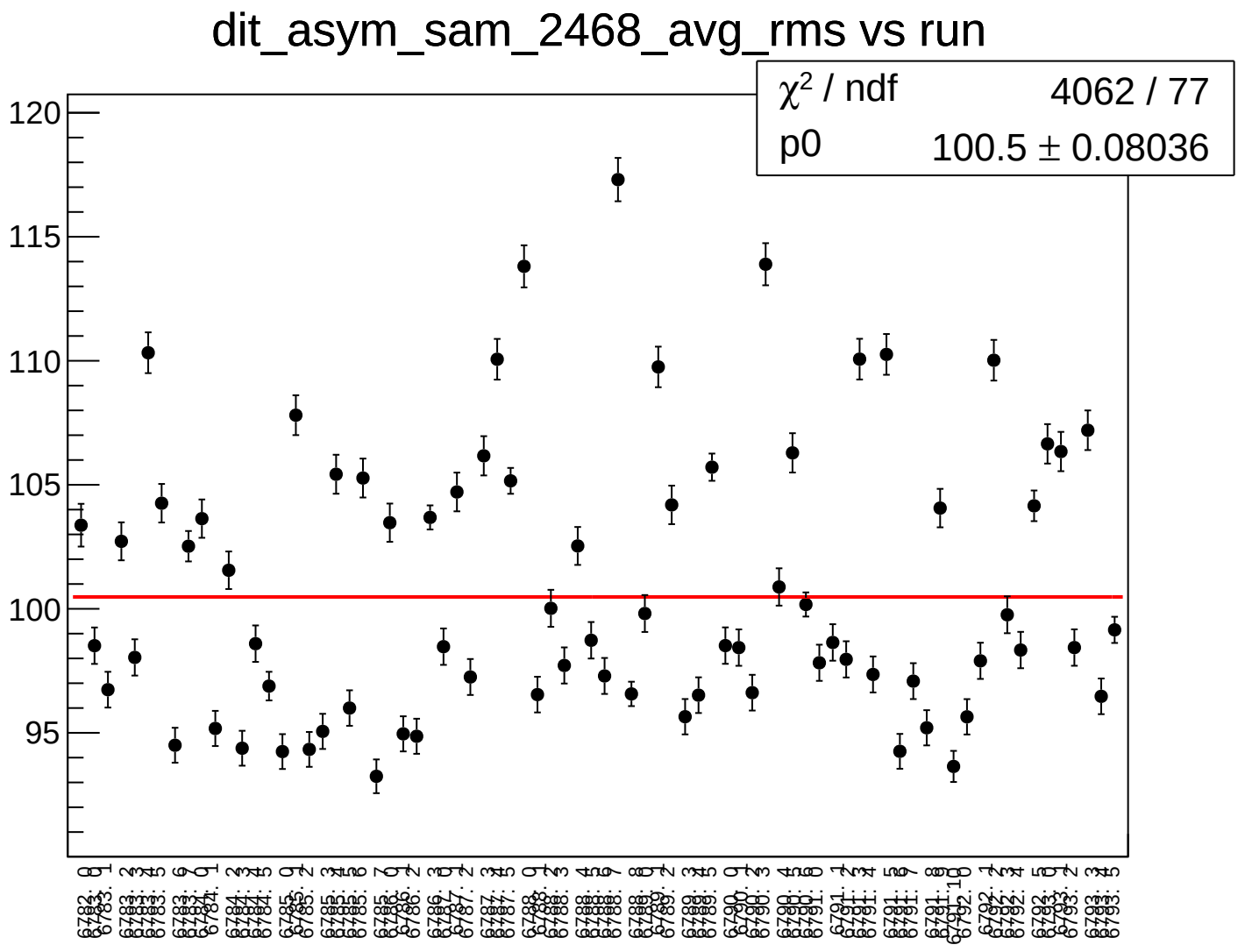

asym_sam_1357_avg_mean vs run
χ² / ndf 75.18 / 77
p0 1677 ± 454.8
pull
Entries 78
Mean 3558
Std Dev 3525

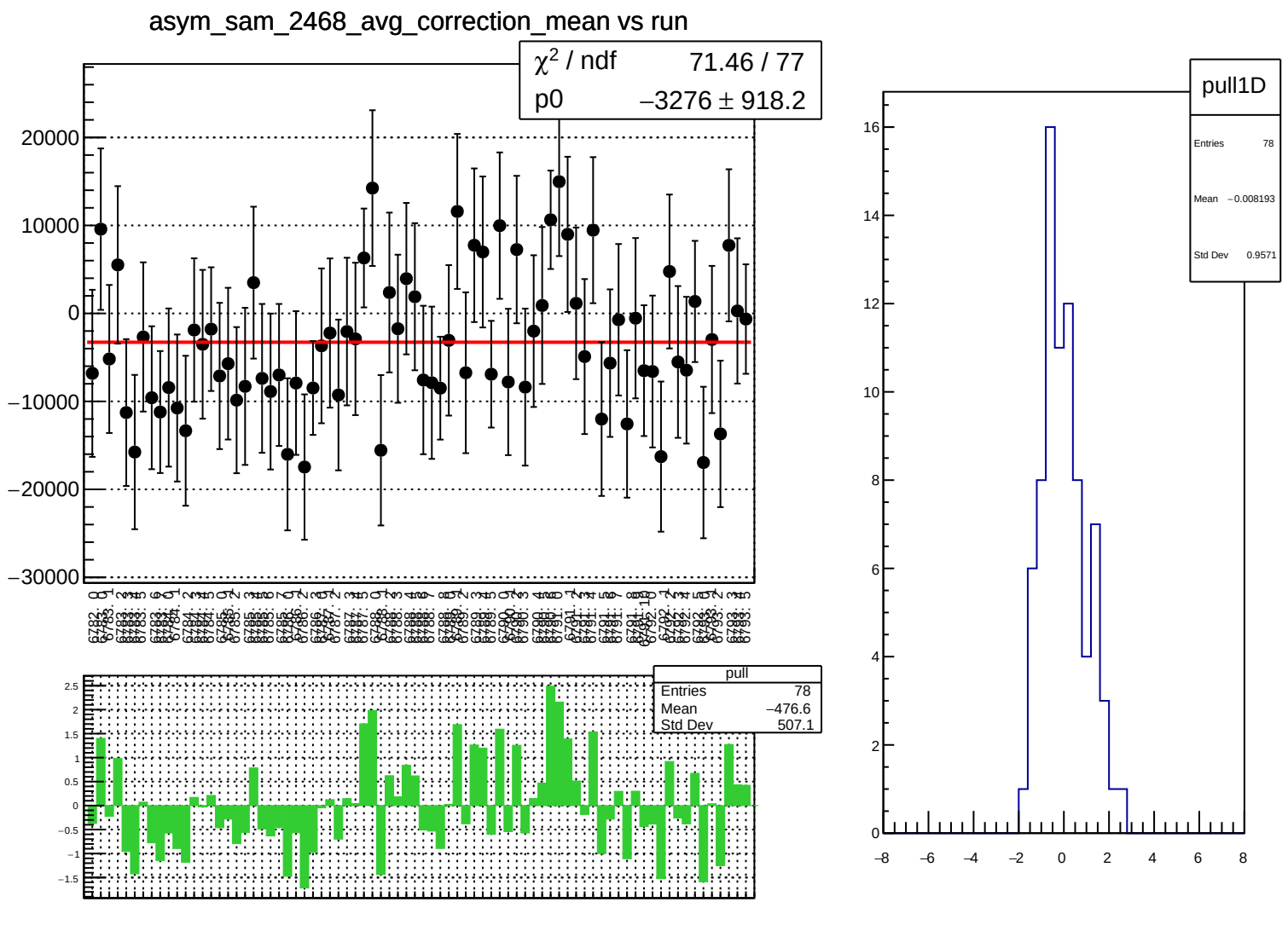

pull1D
Entries 78
Mean −0.001196
Std Dev 0.9818

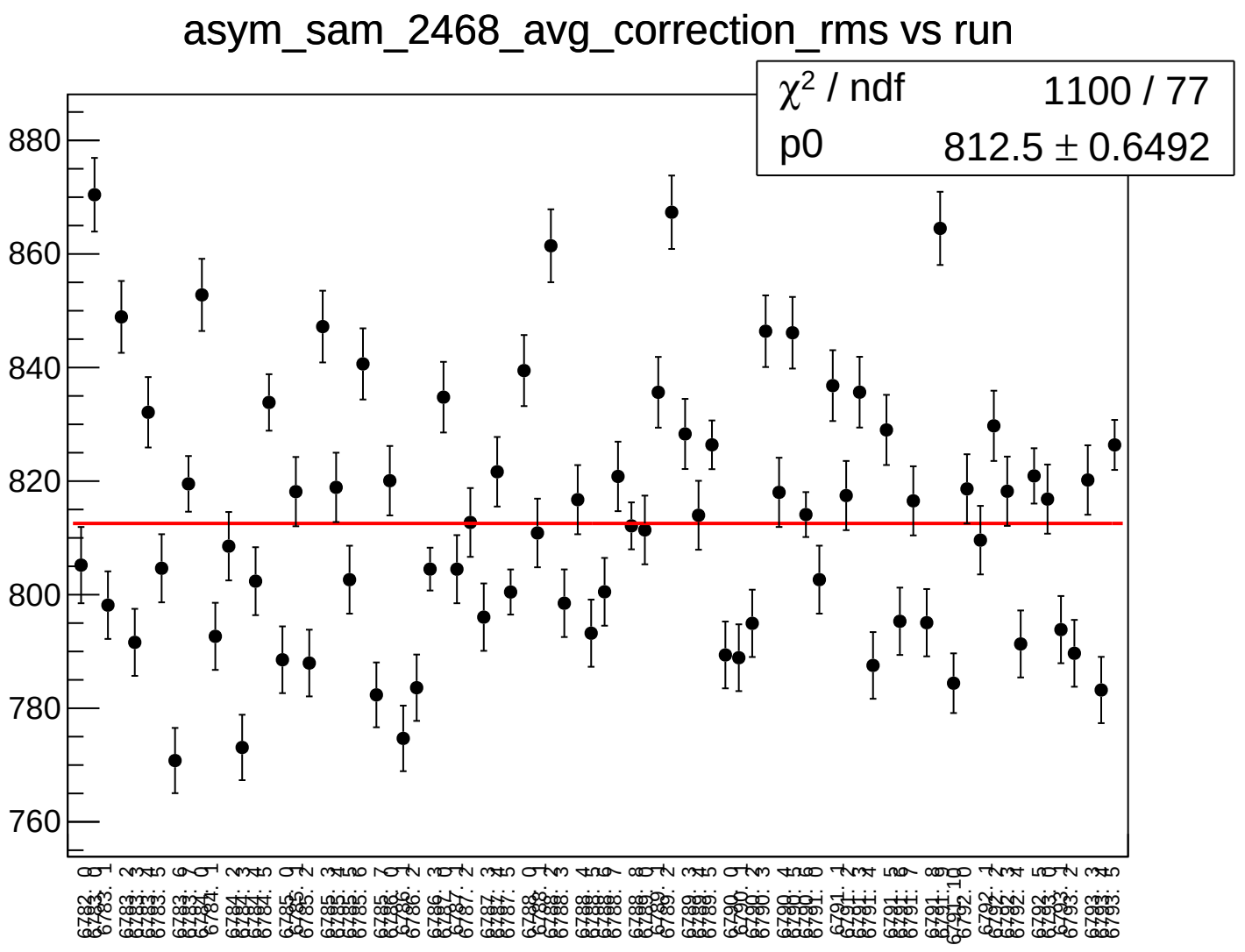

asym_sam_1357_avg_rms vs run
χ^2 / ndf 2155 / 77
p0 402.4 ± 0.3216
440
430
420
410
400
390
380
370
360

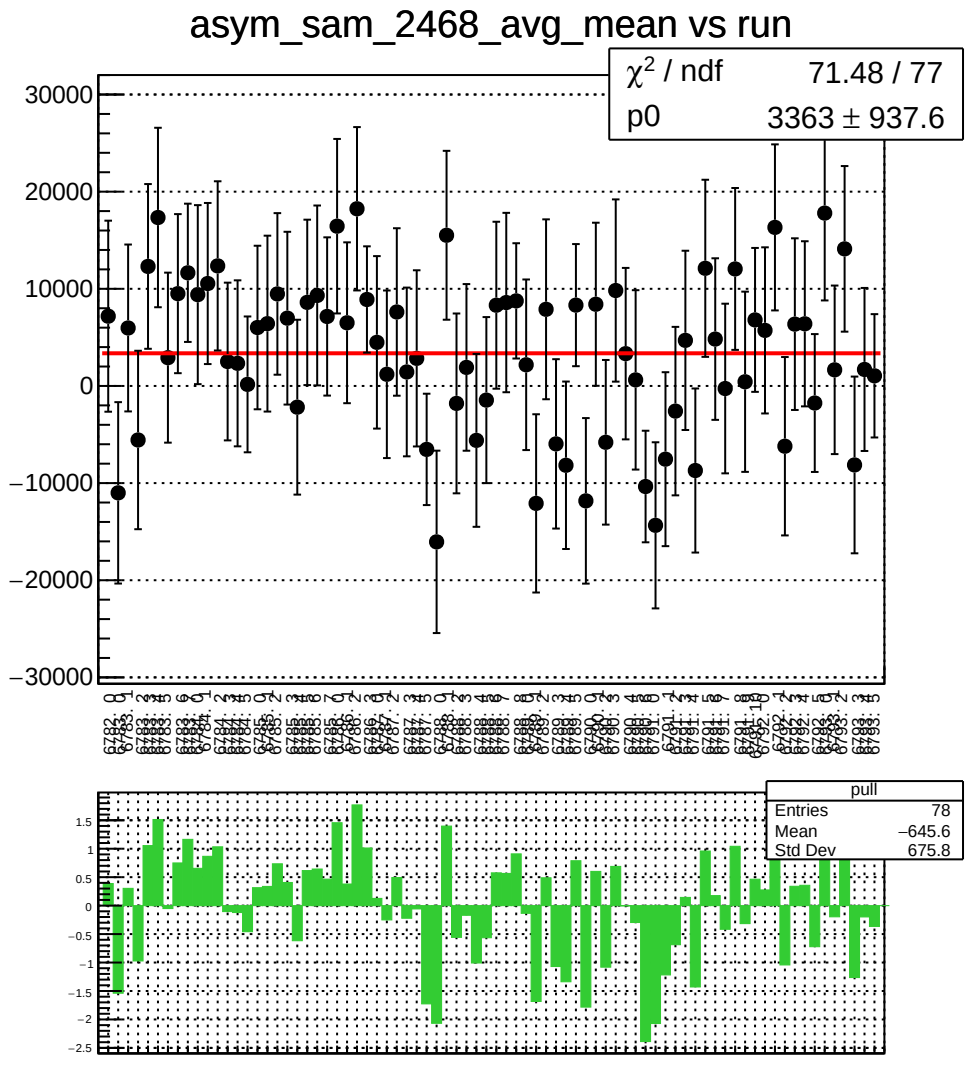

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 69.65 / 77
p0 61.58 ± 113.6
pull
Entries 78
Mean −157.1
Std Dev 199.3

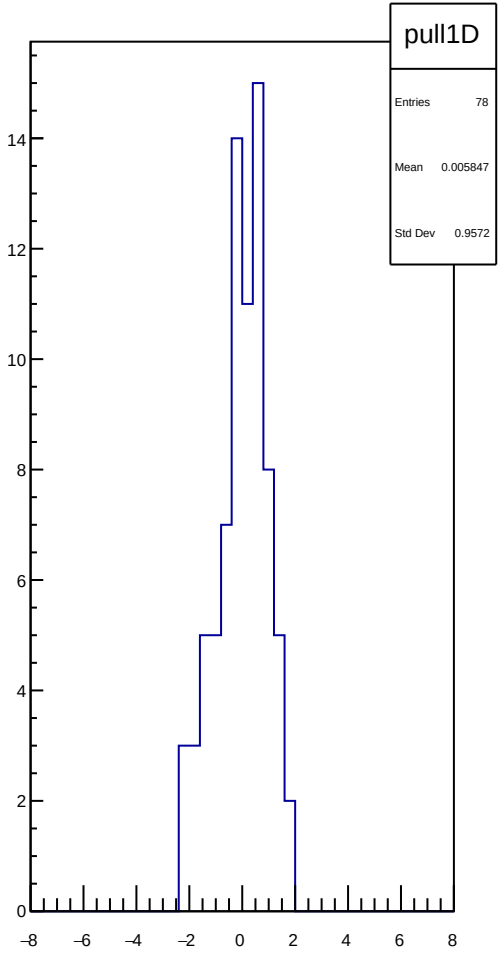

pull1D
Entries 78
Mean −0.00564
Std Dev 0.9449

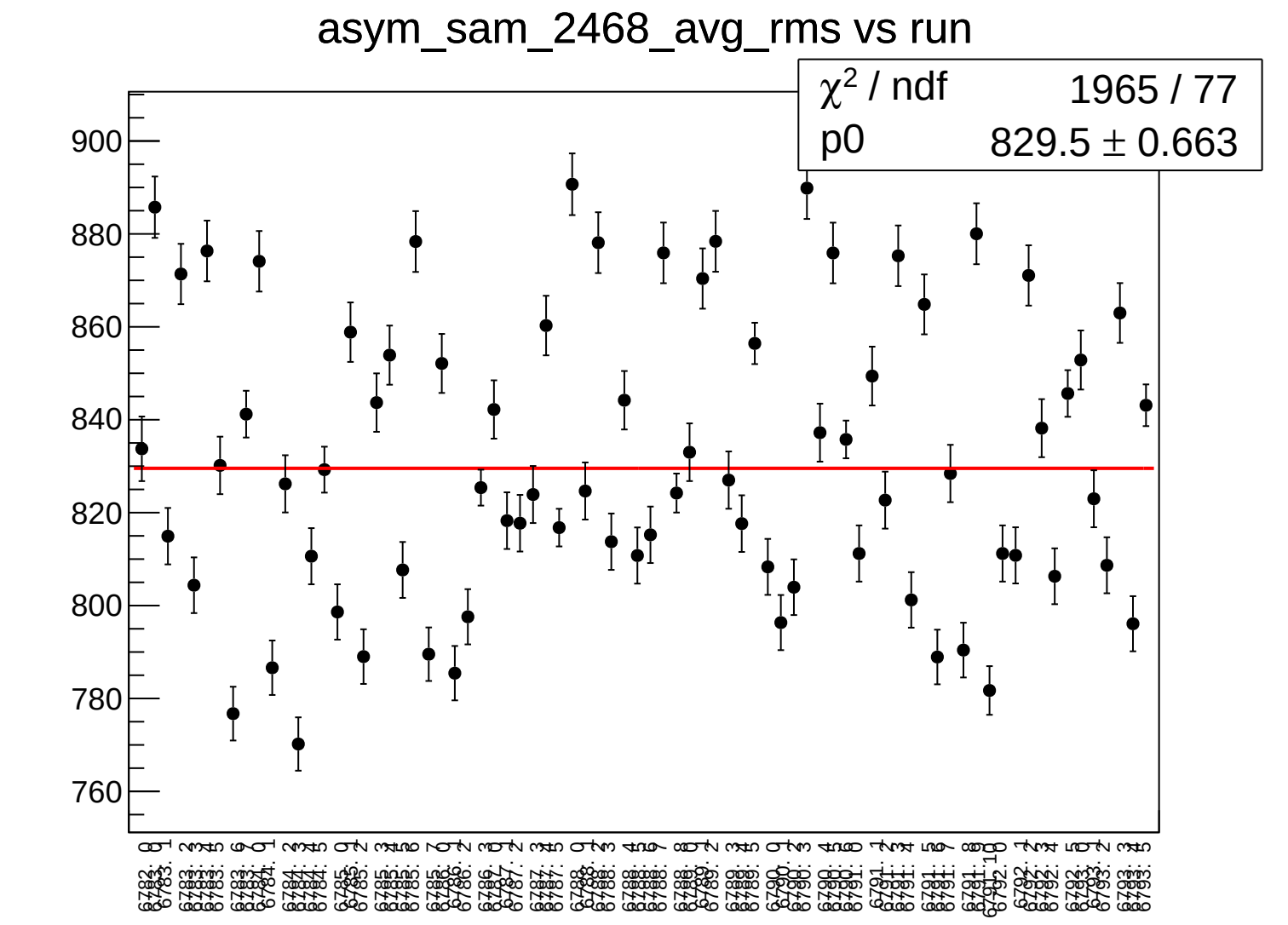

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 4062 / 77
p0 100.5 ± 0.08036
120
115
110
105
100
95

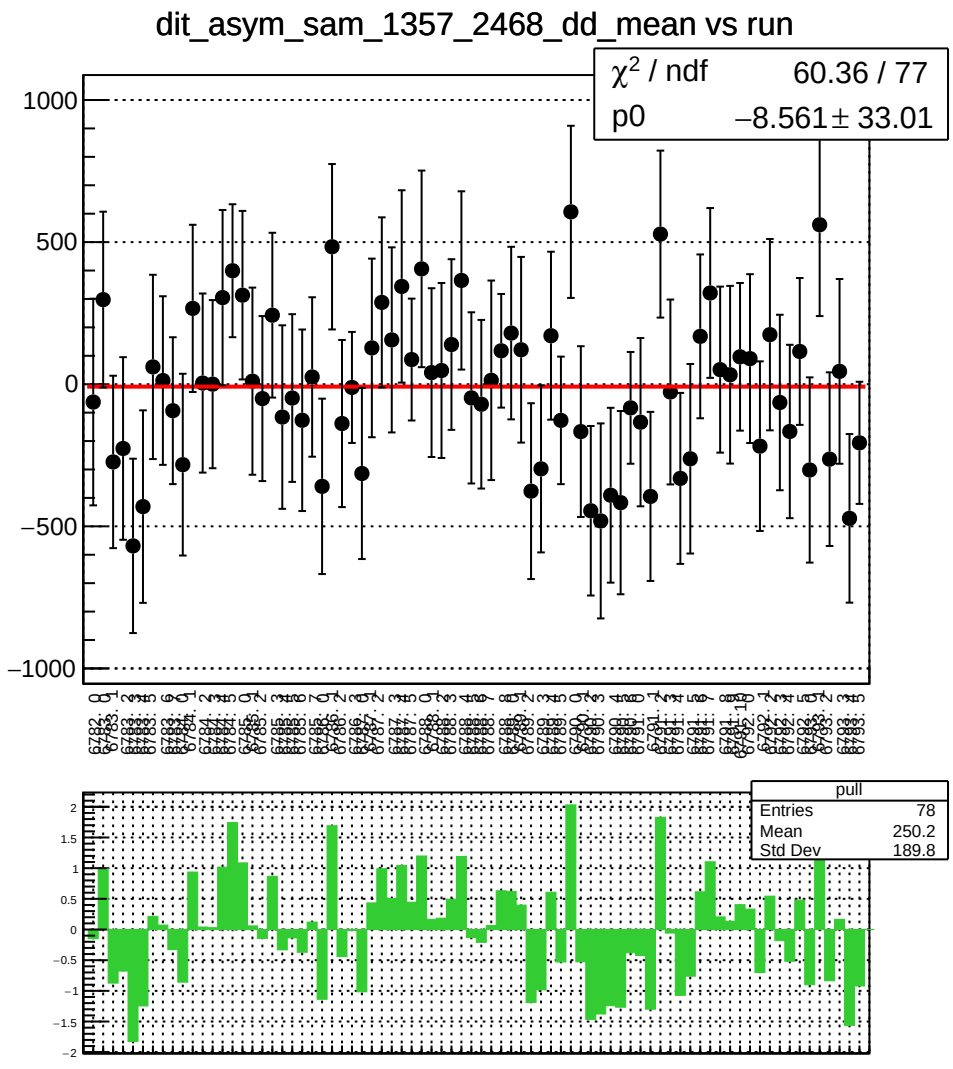

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 71.46 / 77
p0 −3276 ± 918.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −476.6
Std Dev 507.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.008193
Std Dev 0.9571
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

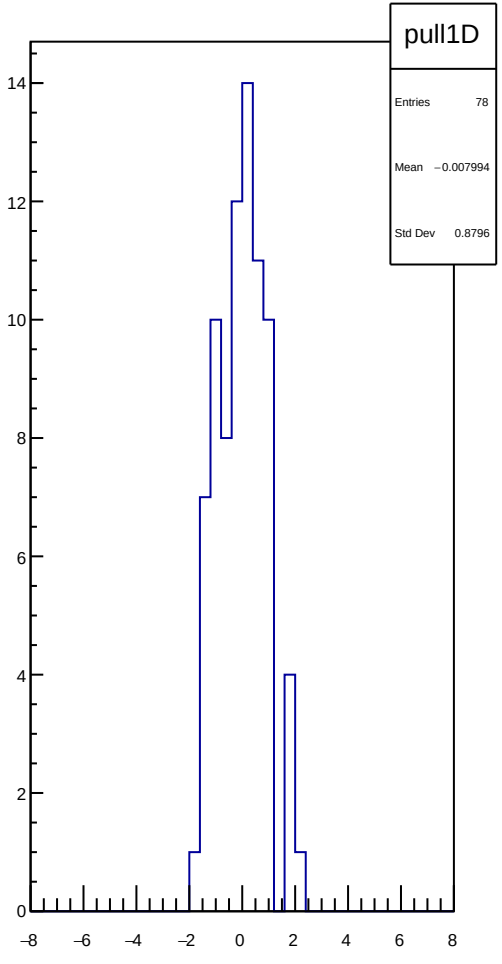

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1100 / 77
p0 812.5 ± 0.6492
880
860
840
820
800
780
760

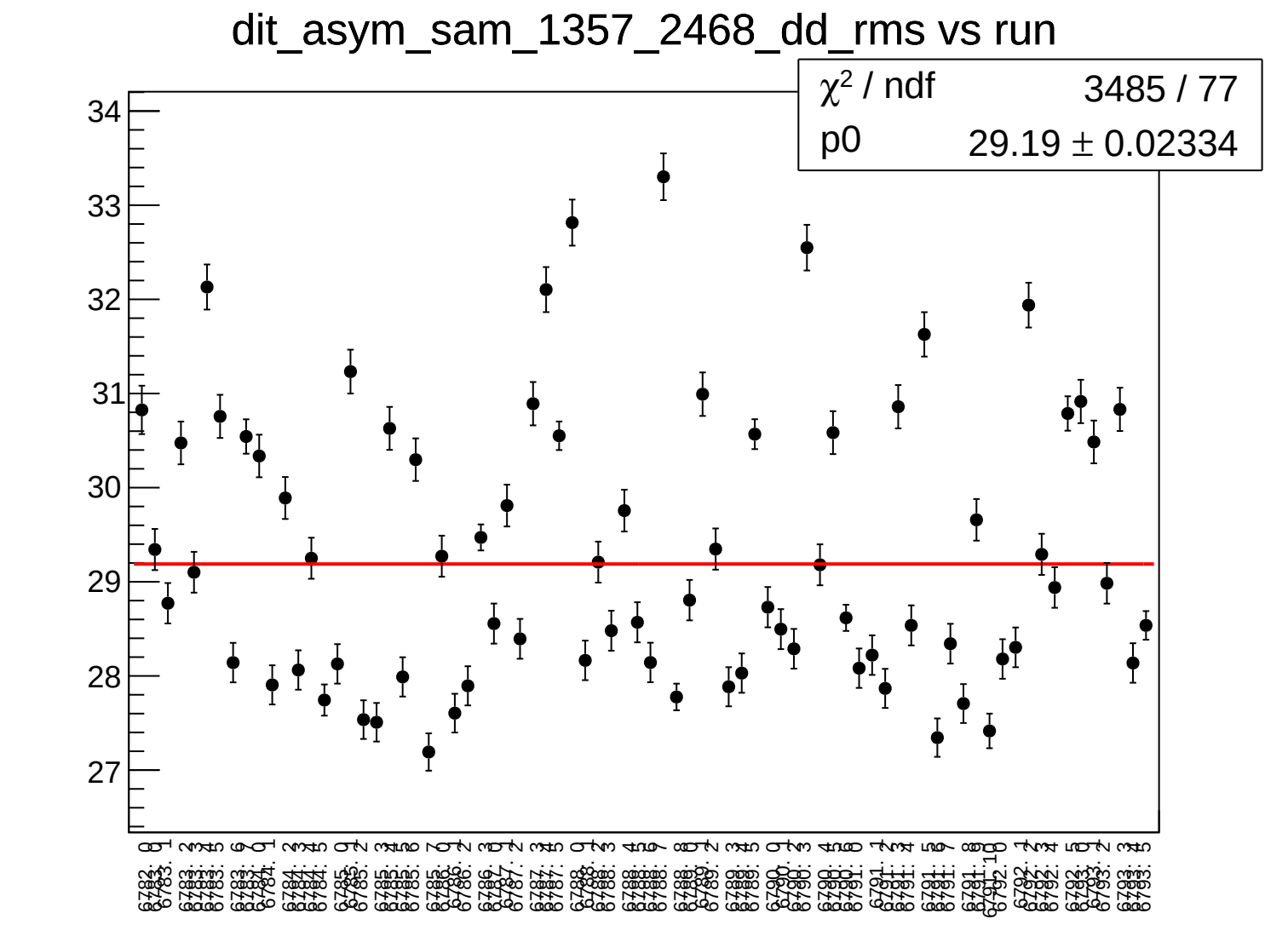

asym_sam_2468_avg_mean vs run
χ² / ndf 71.48 / 77
p0 3363 ± 937.6
pull
Entries 78
Mean −645.6
Std Dev 675.8

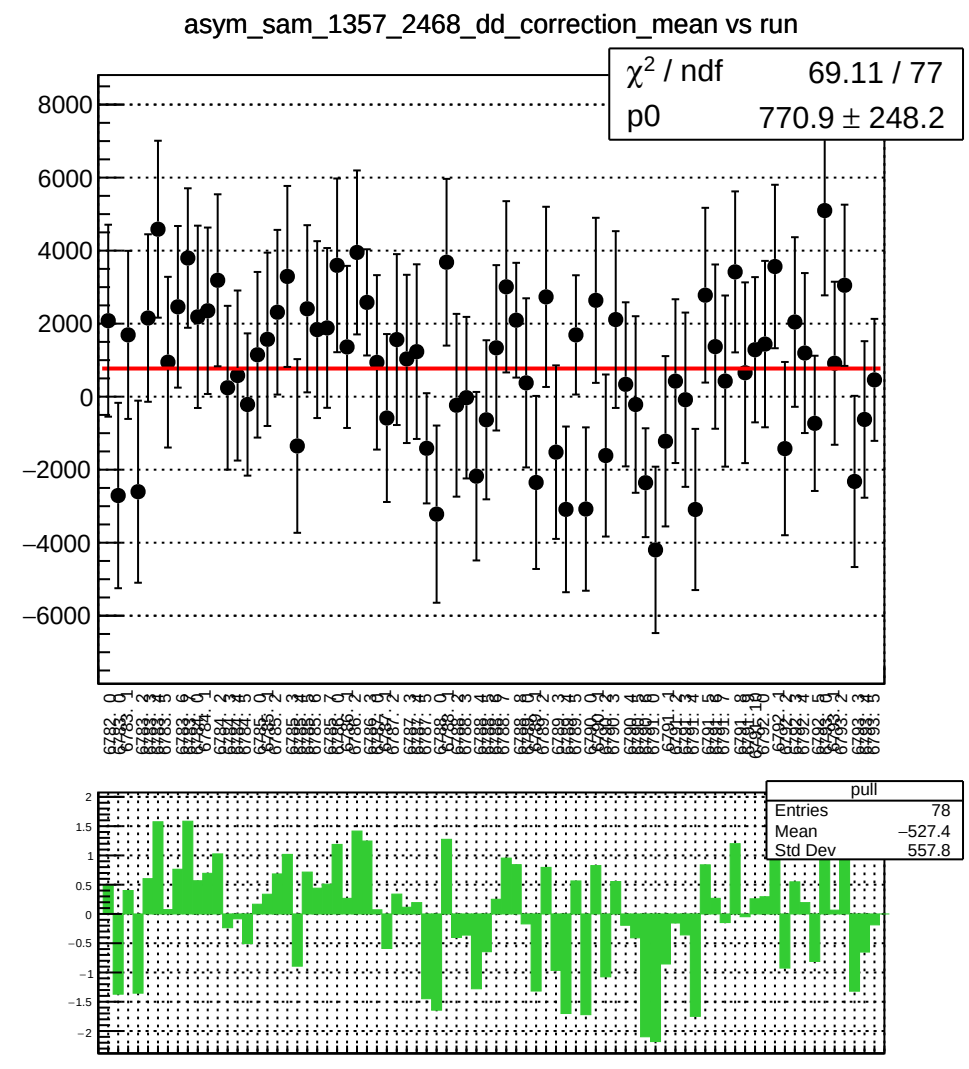

pull1D
Entries 78
Mean 0.005847
Std Dev 0.9572

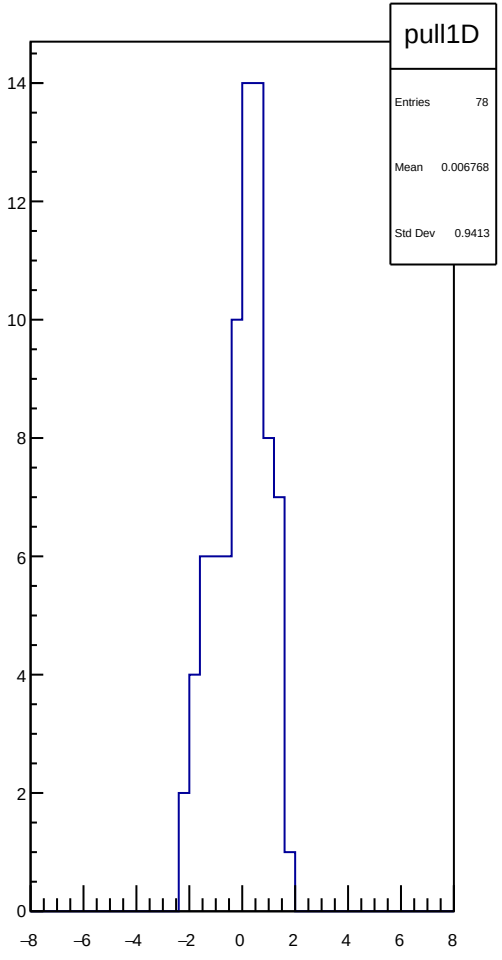

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1965 / 77
p0 829.5 ± 0.663
900
880
860
840
820
800
780
760

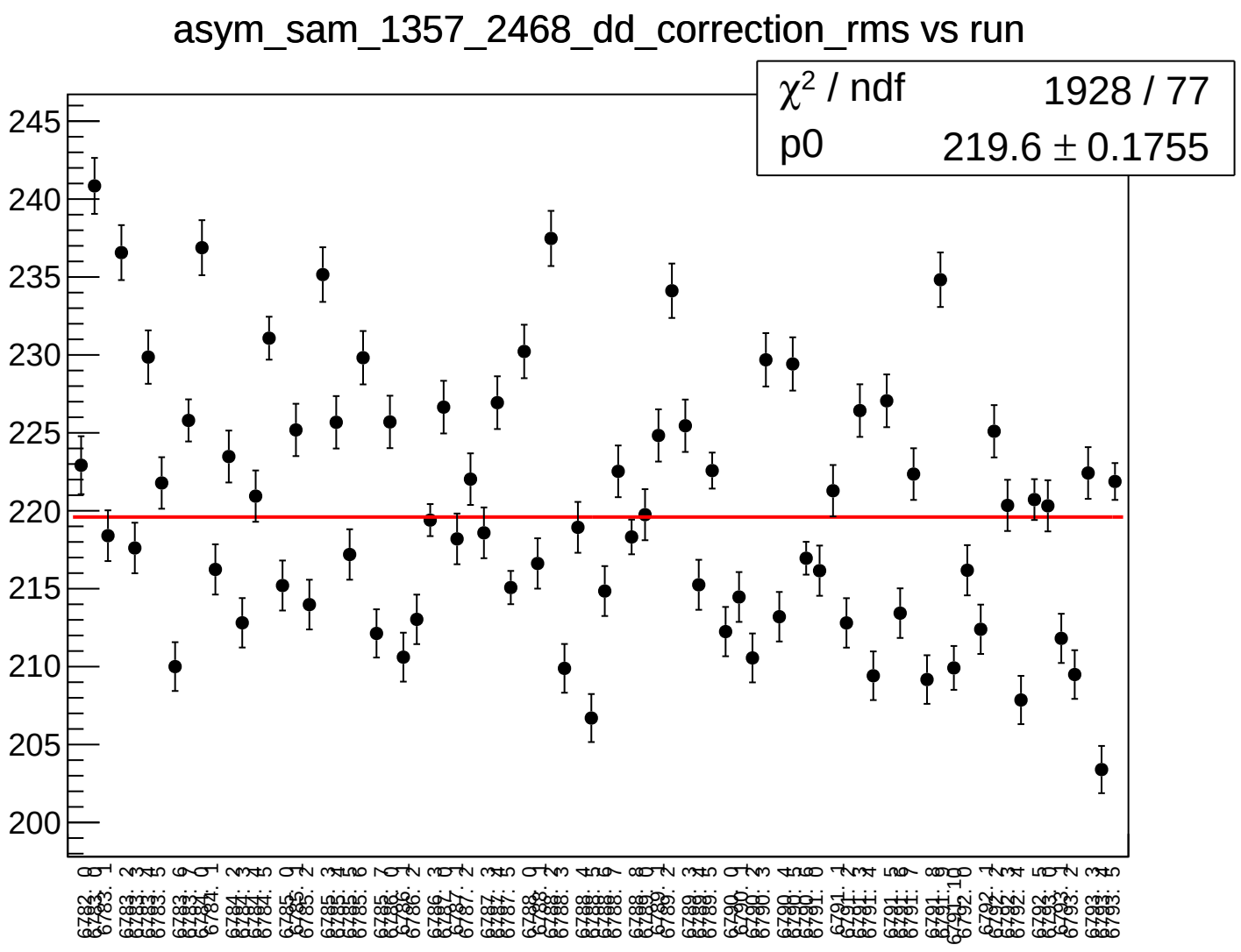

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 60.36 / 77
p0 −8.561 ± 33.01
pull
Entries 78
Mean 250.2
Std Dev 189.8

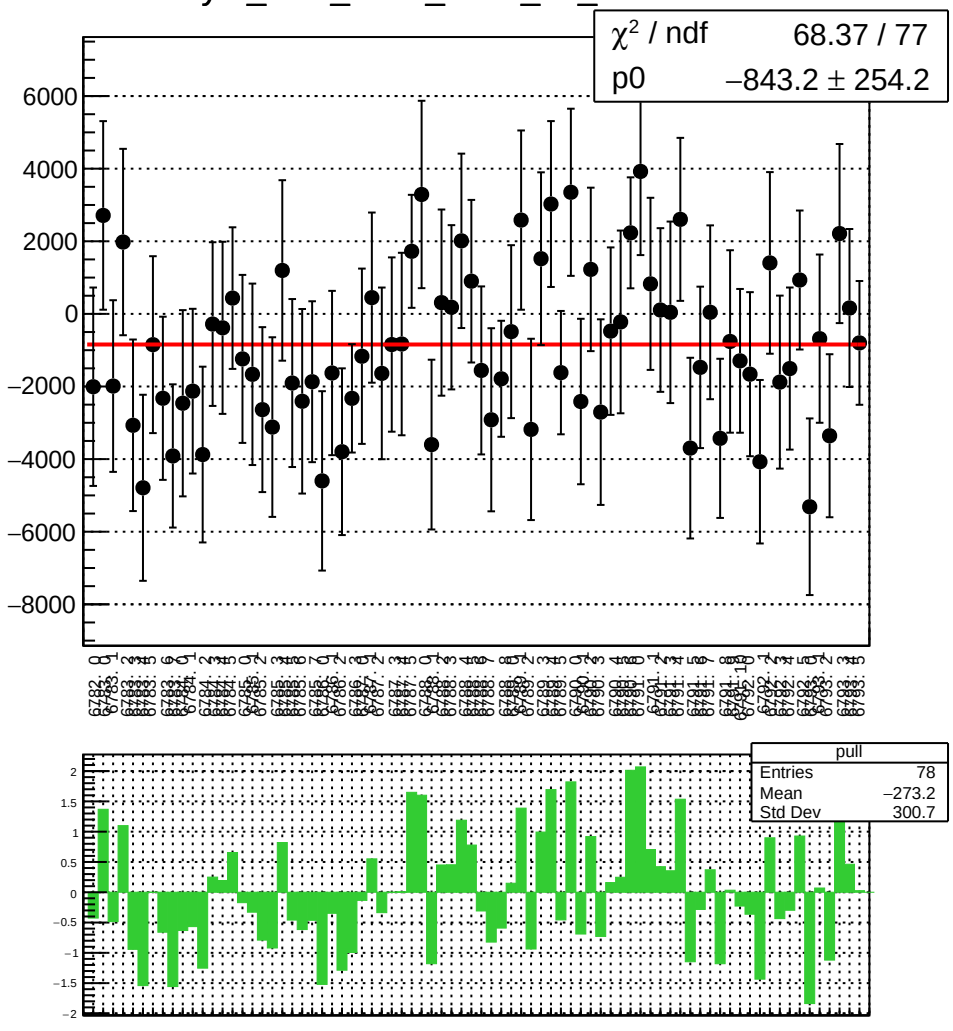

pull1D
Entries 78
Mean −0.007994
Std Dev 0.8796

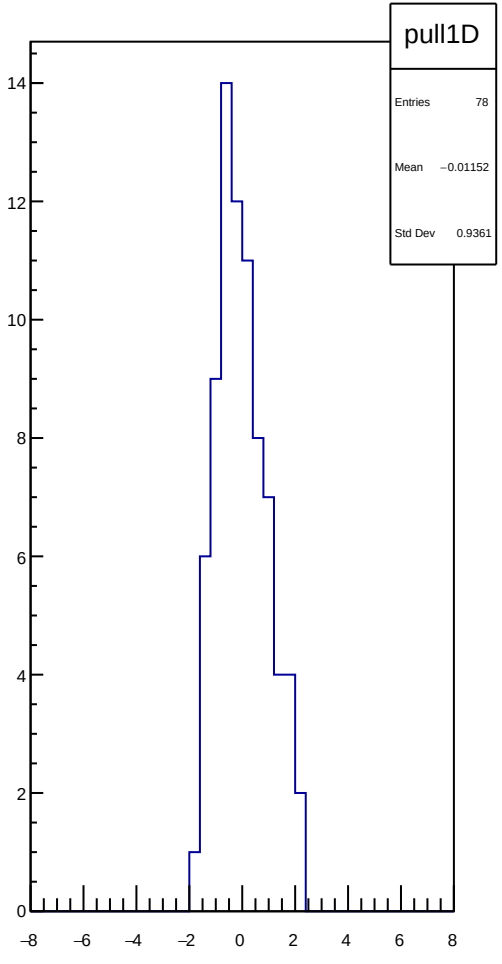

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3485 / 77
p0 29.19 ± 0.02334
34
33
32
31
30
29
28
27

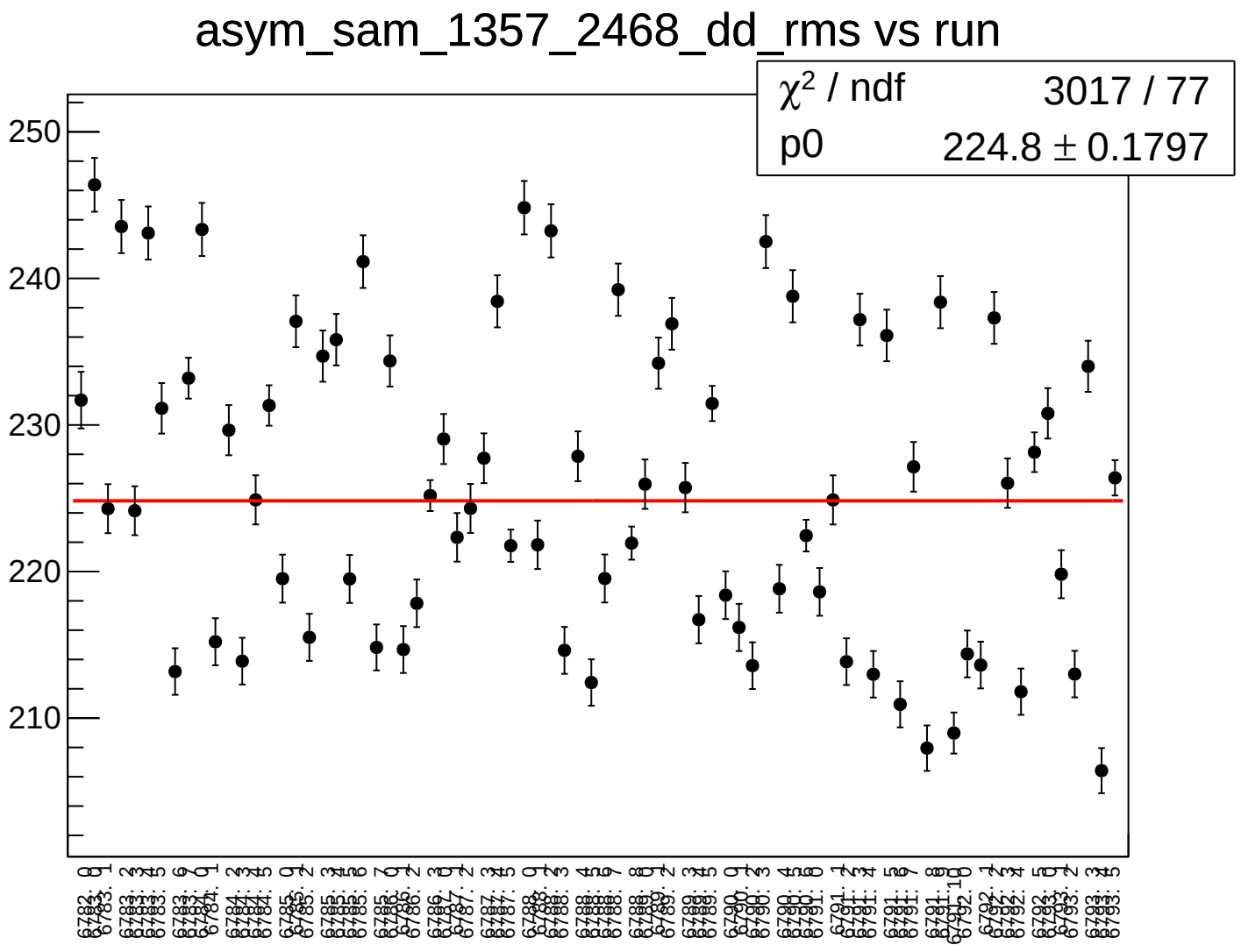

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 69.11 / 77
p0 770.9 ± 248.2
pull
Entries 78
Mean −527.4
Std Dev 557.8

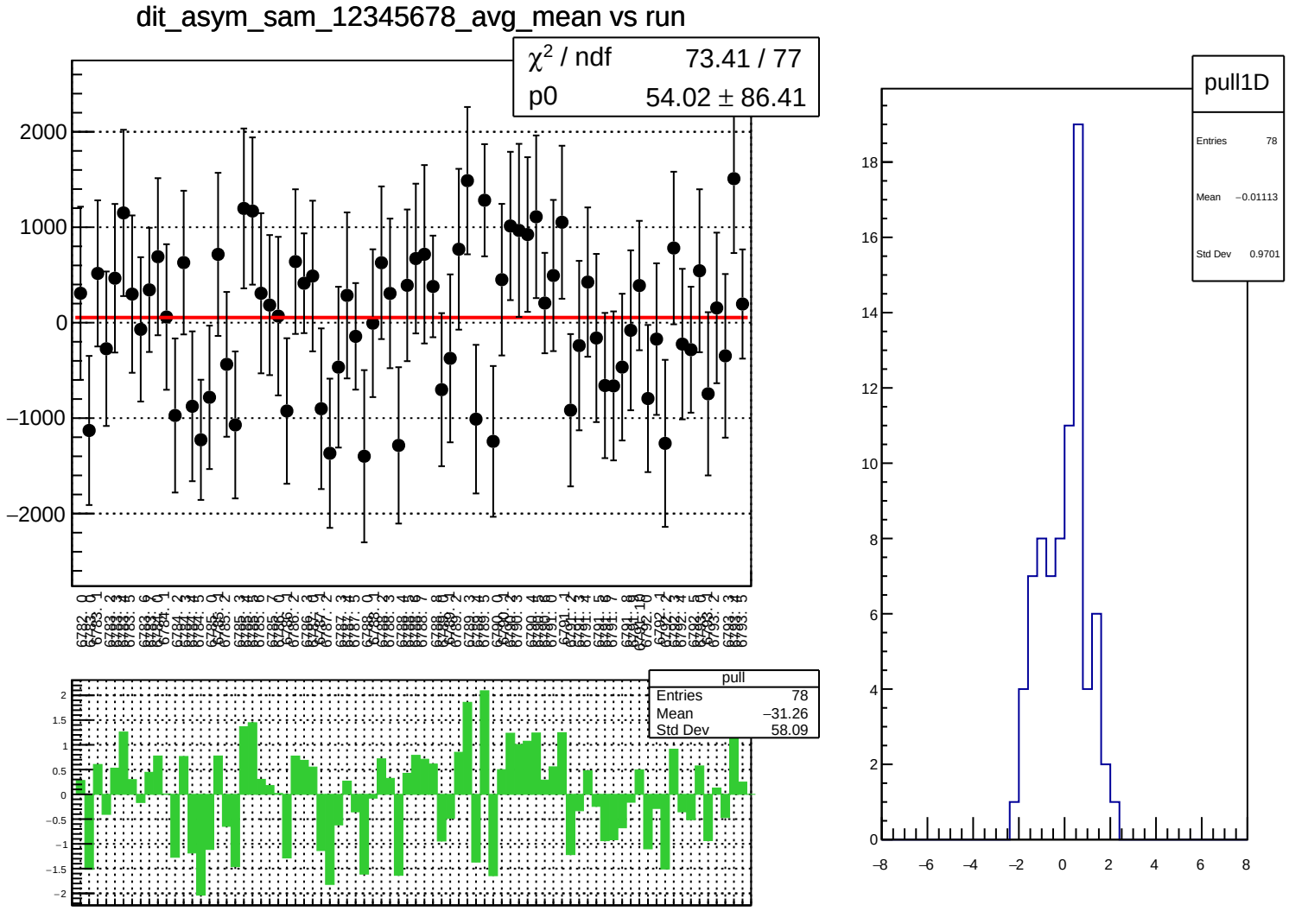

pull1D
Entries 78
Mean 0.006768
Std Dev 0.9413

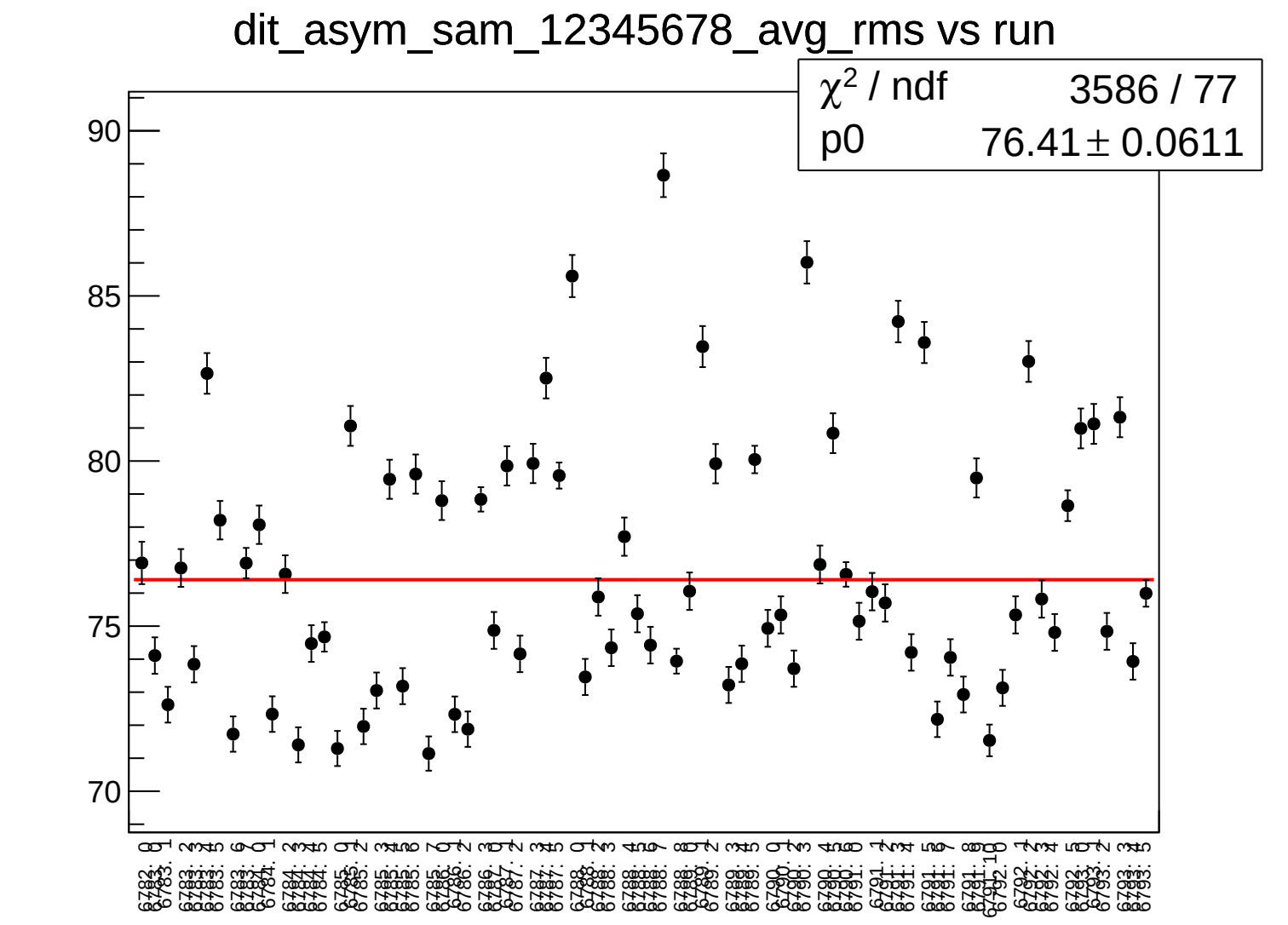

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1928 / 77
p0 219.6 ± 0.1755
245
240
235
230
225
220
215
210
205
200

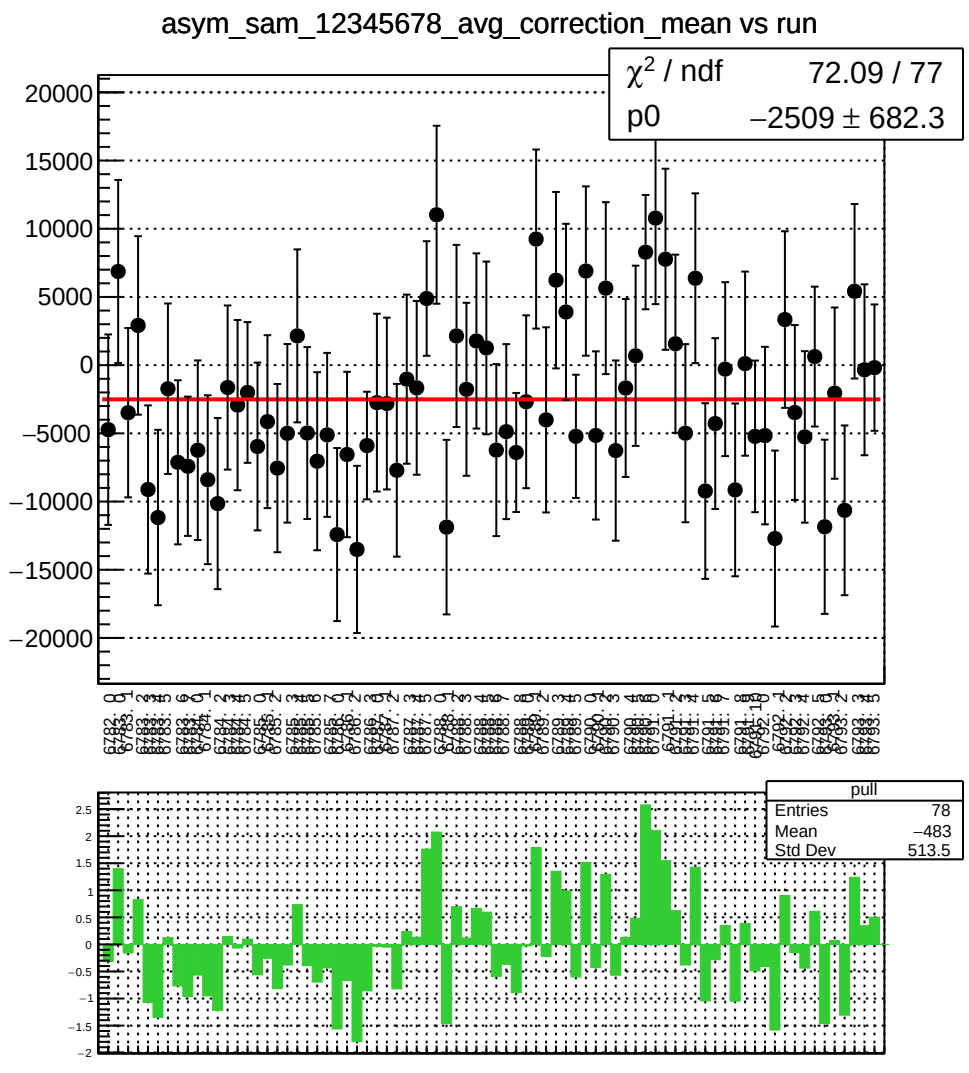

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.37 / 77
p0 −843.2 ± 254.2
pull
Entries 78
Mean −273.2
Std Dev 300.7

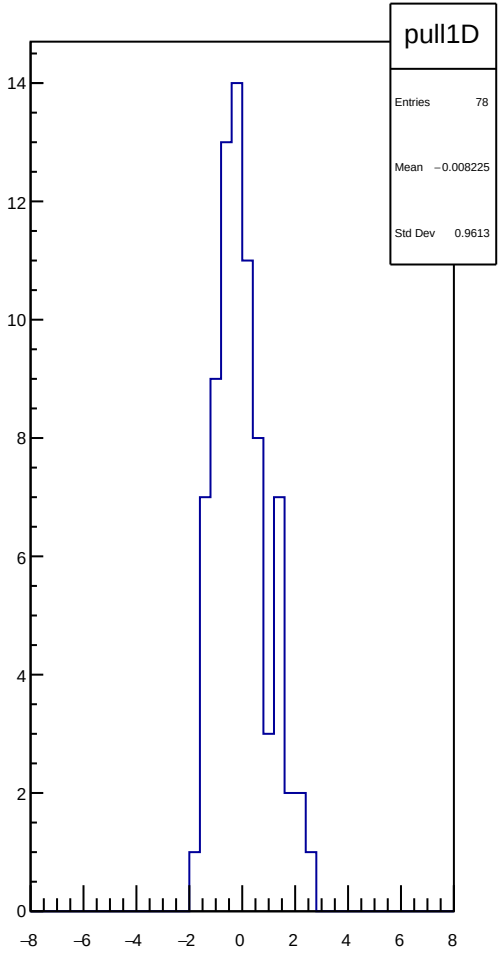

pull1D
Entries 78
Mean −0.01152
Std Dev 0.9361

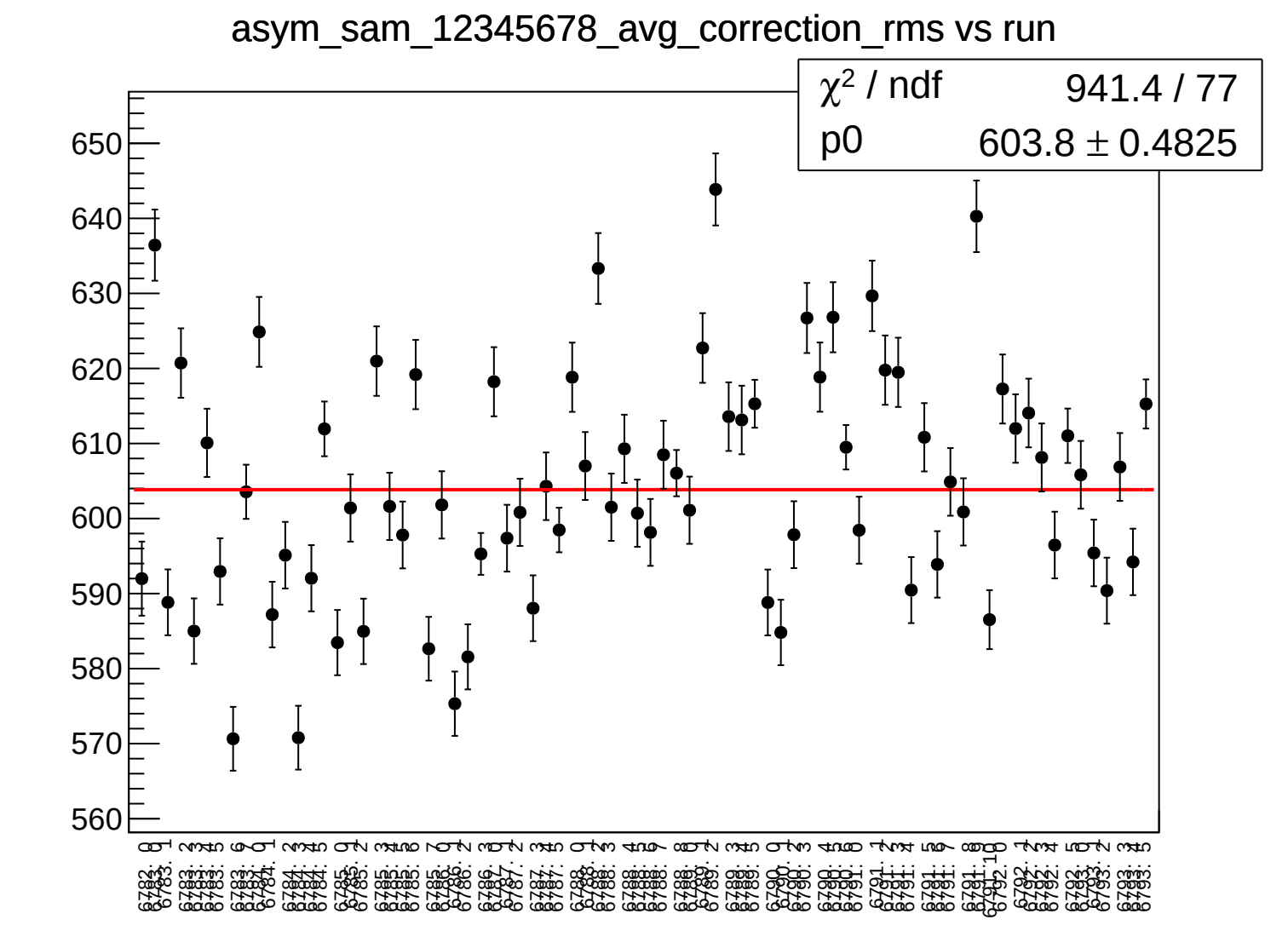

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3017 / 77
p0 224.8 ± 0.1797
250
240
230
220
210

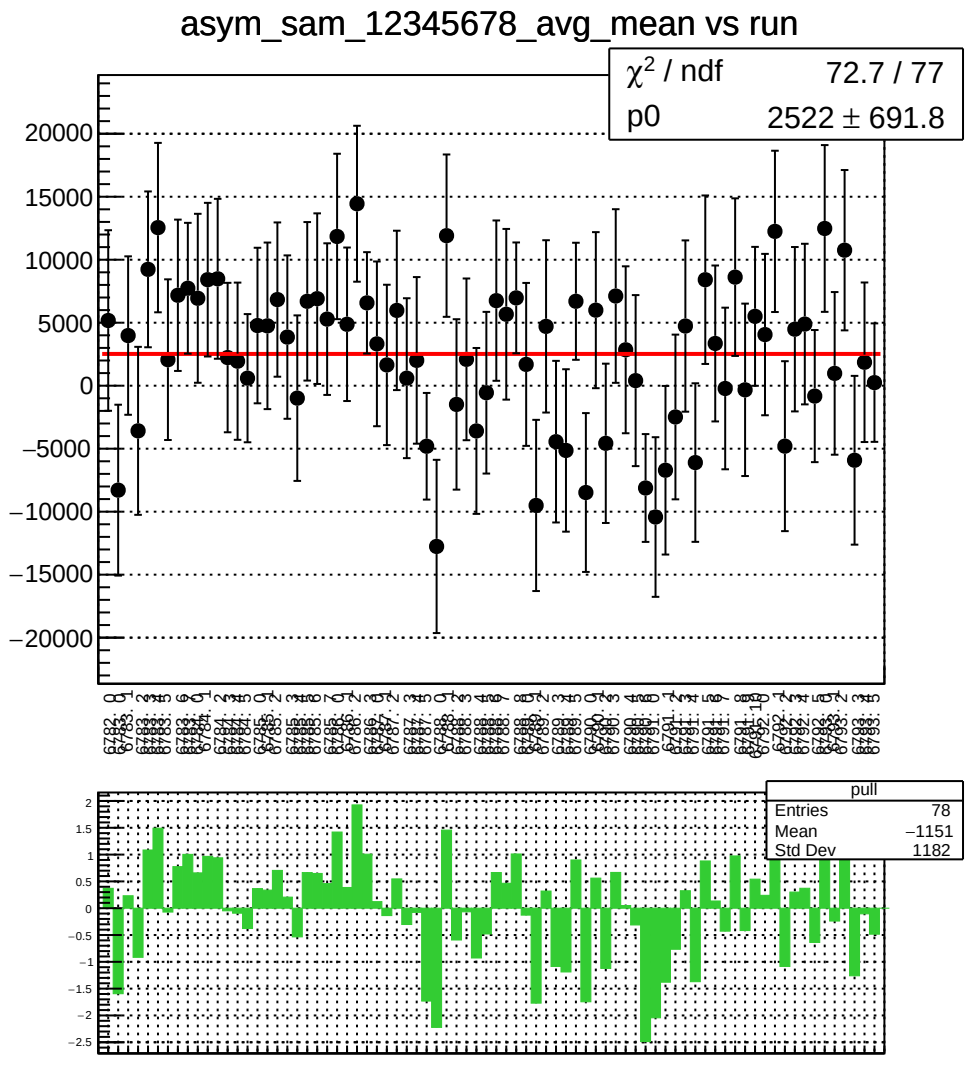

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 73.41 / 77
p0 54.02 ± 86.41
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −31.26
Std Dev 58.09
pull1D
Entries 78
Mean −0.01113
Std Dev 0.9701

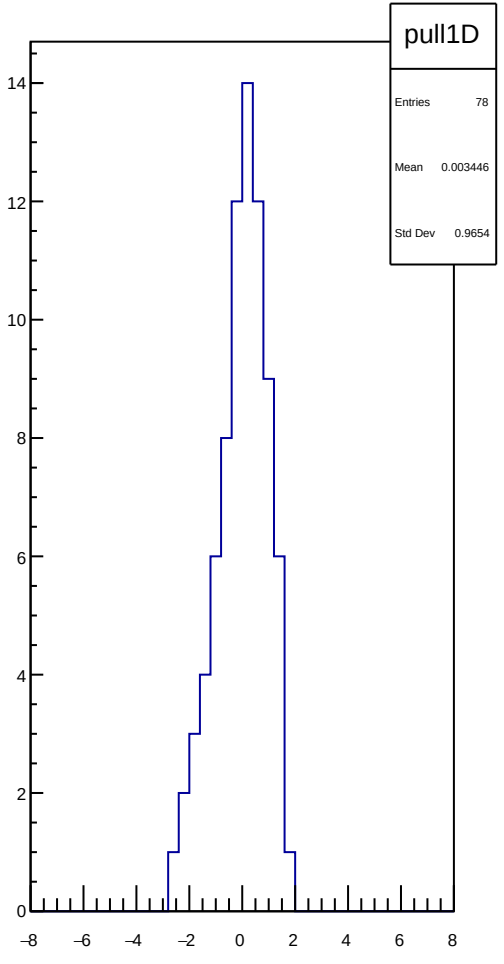

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3586 / 77
p0 76.41 ± 0.0611
90
85
80
75
70

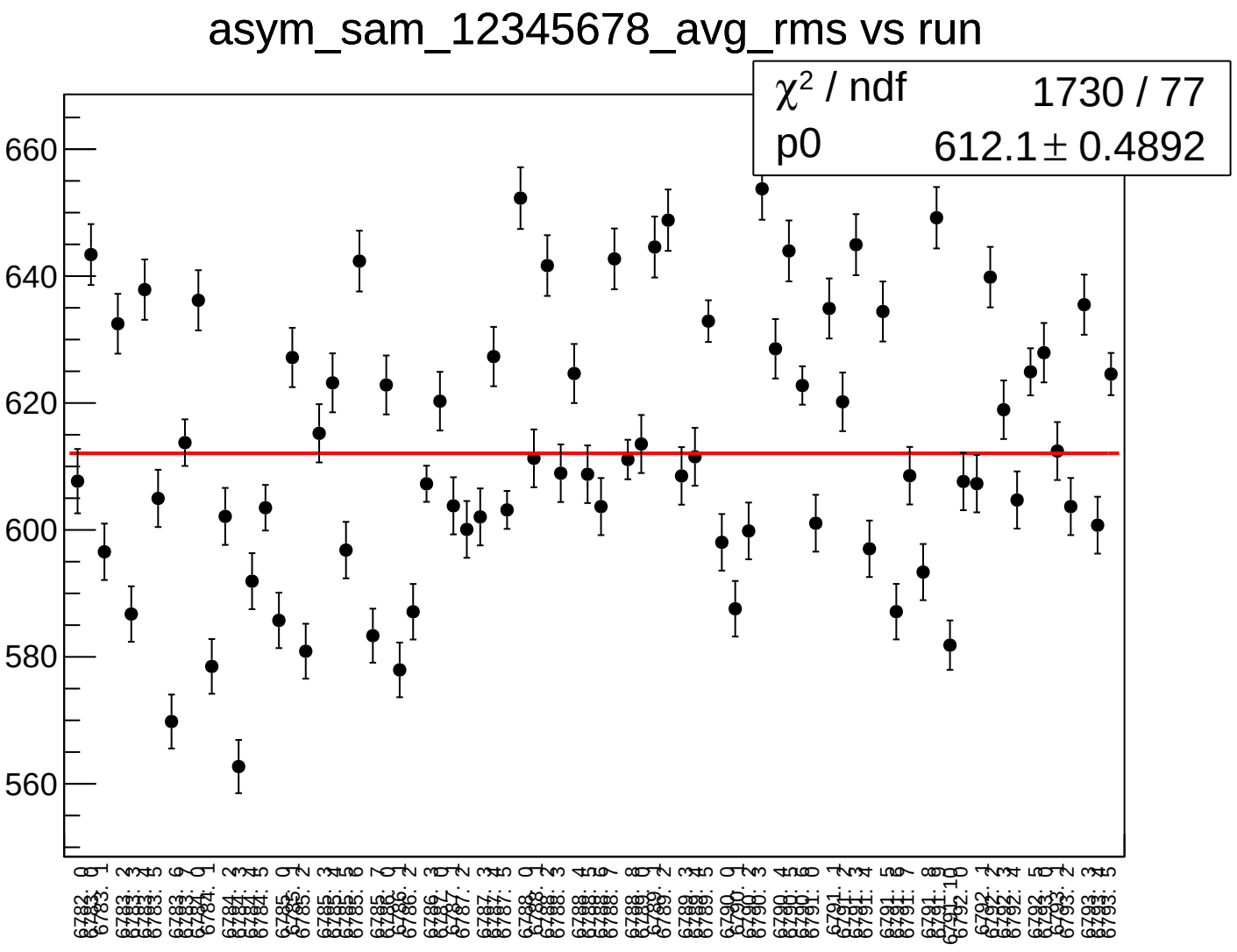

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 72.09 / 77
p0 −2509 ± 682.3
pull
Entries 78
Mean −483
Std Dev 513.5

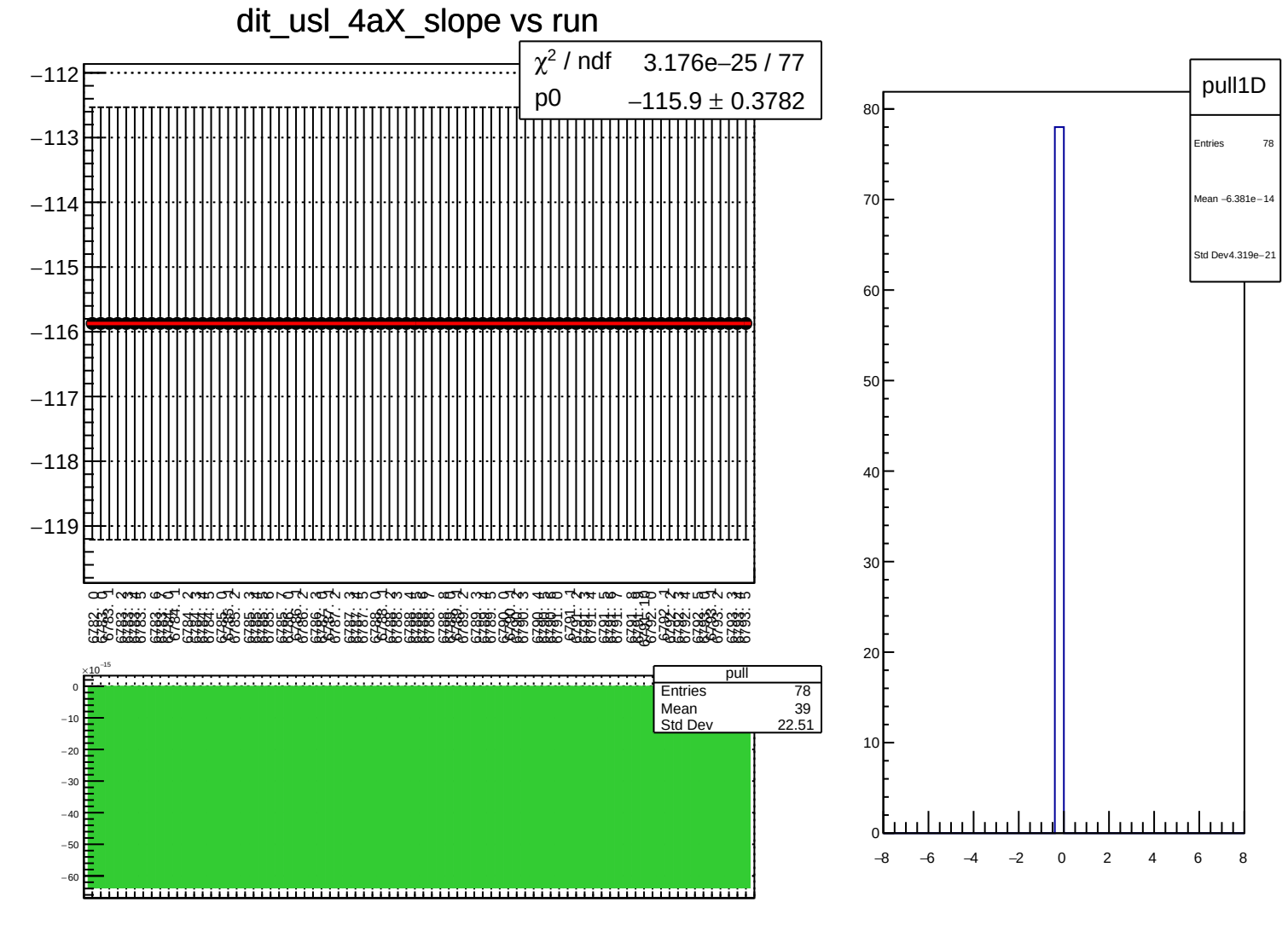

pull1D
Entries 78
Mean −0.008225
Std Dev 0.9613

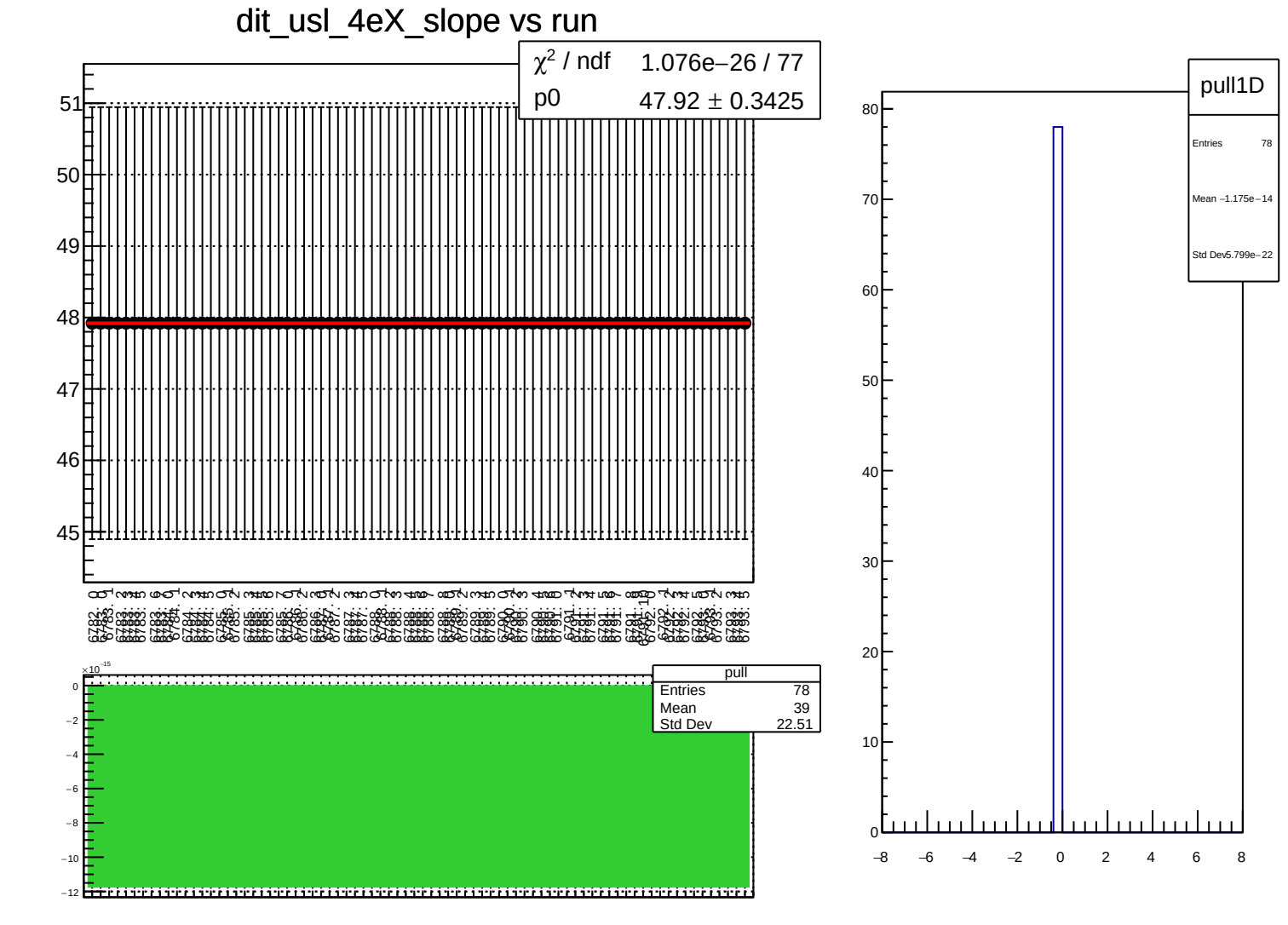

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 941.4 / 77
p0 603.8 ± 0.4825
650
640
630
620
610
600
590
580
570
560

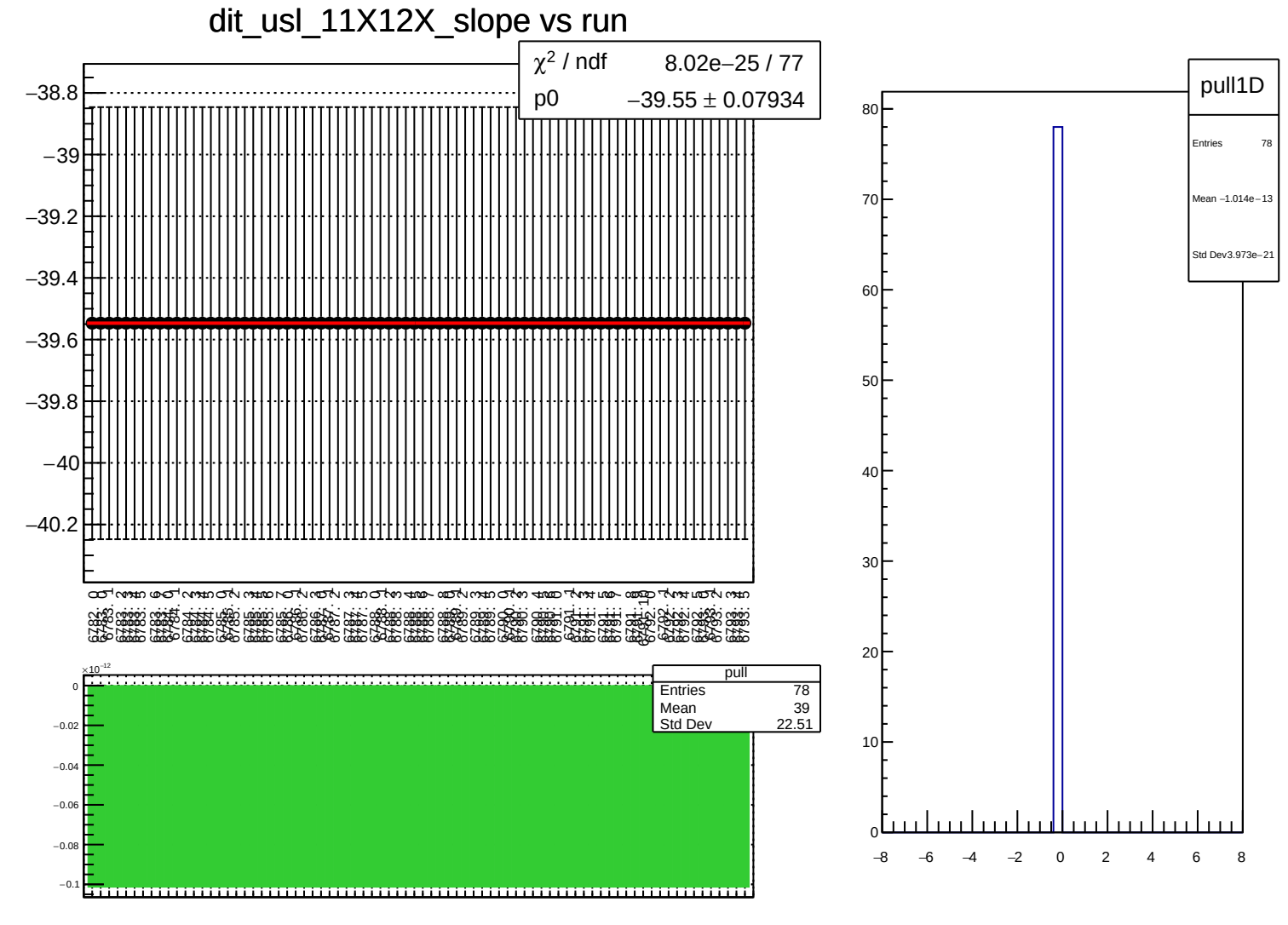

asym_sam_12345678_avg_mean vs run
χ² / ndf 72.7 / 77
p0 2522 ± 691.8
pull
Entries 78
Mean −1151
Std Dev 1182

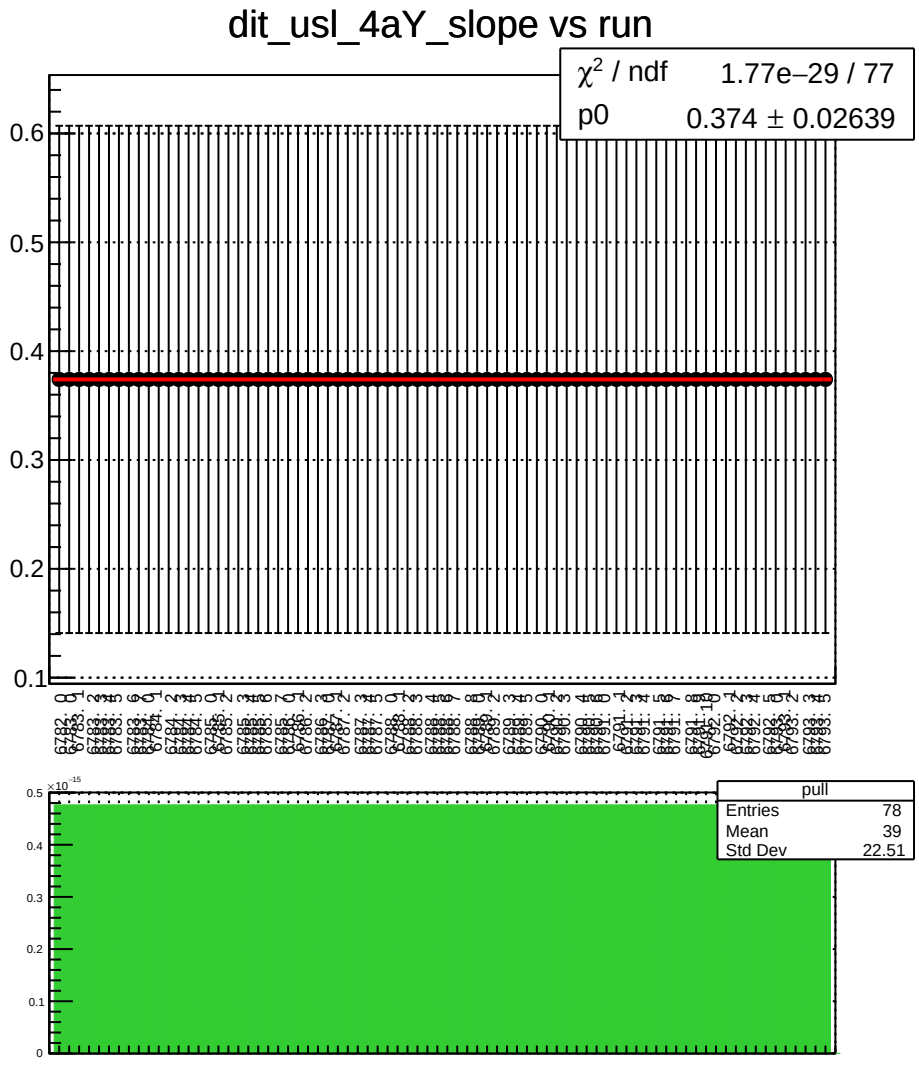

pull1D
Entries 78
Mean 0.003446
Std Dev 0.9654

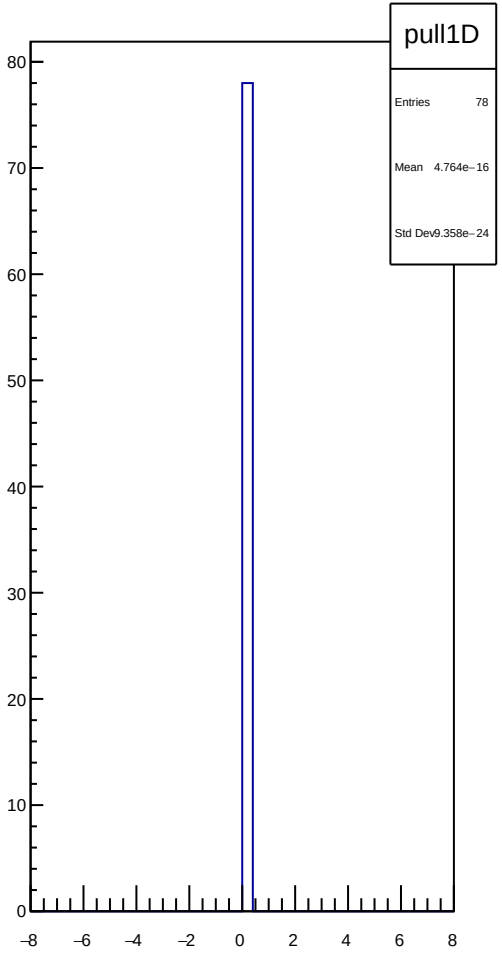

asym_sam_12345678_avg_rms vs run
χ² / ndf 1730 / 77
p0 612.1 ± 0.4892
660
640
620
600
580
560

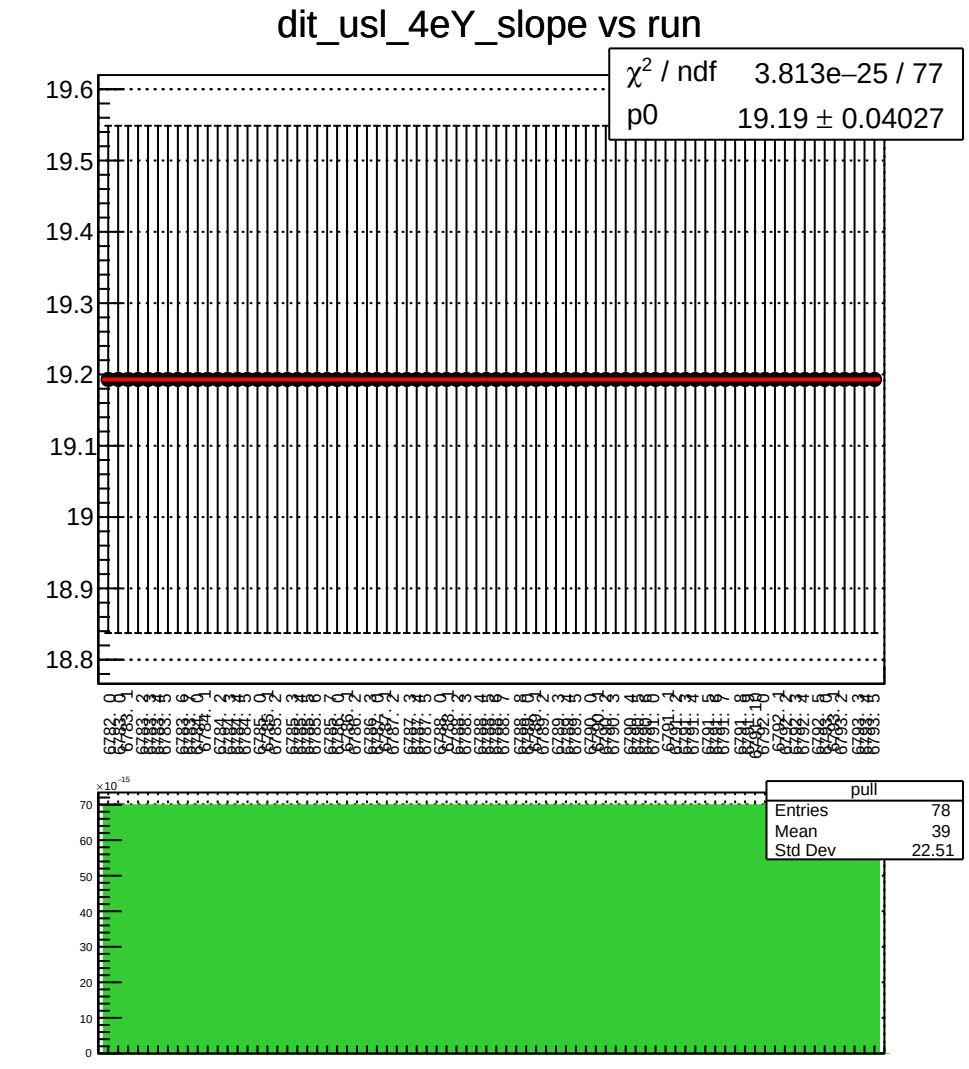

dit_usl_4aX_slope vs run
χ² / ndf 3.176e−25 / 77
p0 −115.9 ± 0.3782
−112
−113
−114
−115
−116
−117
−118
−119
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −6.381e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

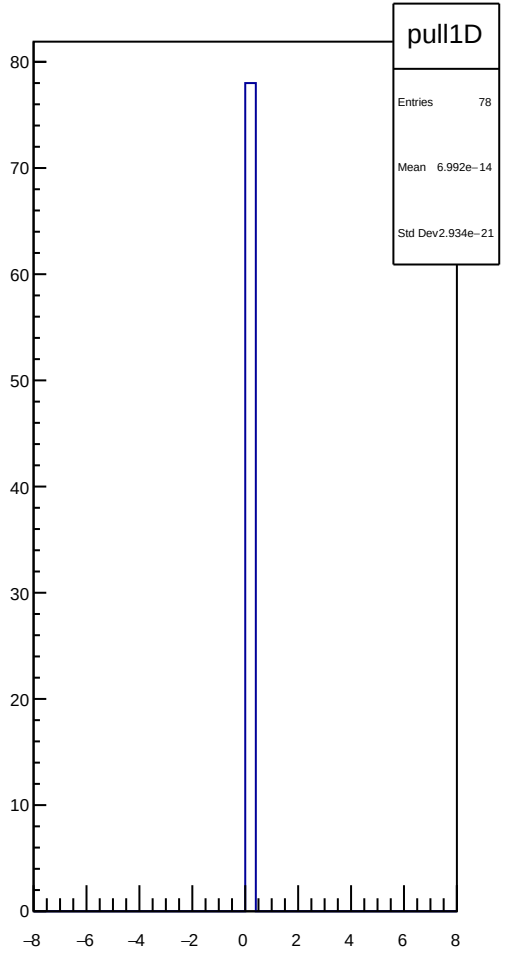

dit_usl_4eX_slope vs run
χ² / ndf 1.076e−26 / 77
p0 47.92 ± 0.3425
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −1.175e−14
Std Dev 5.799e−22

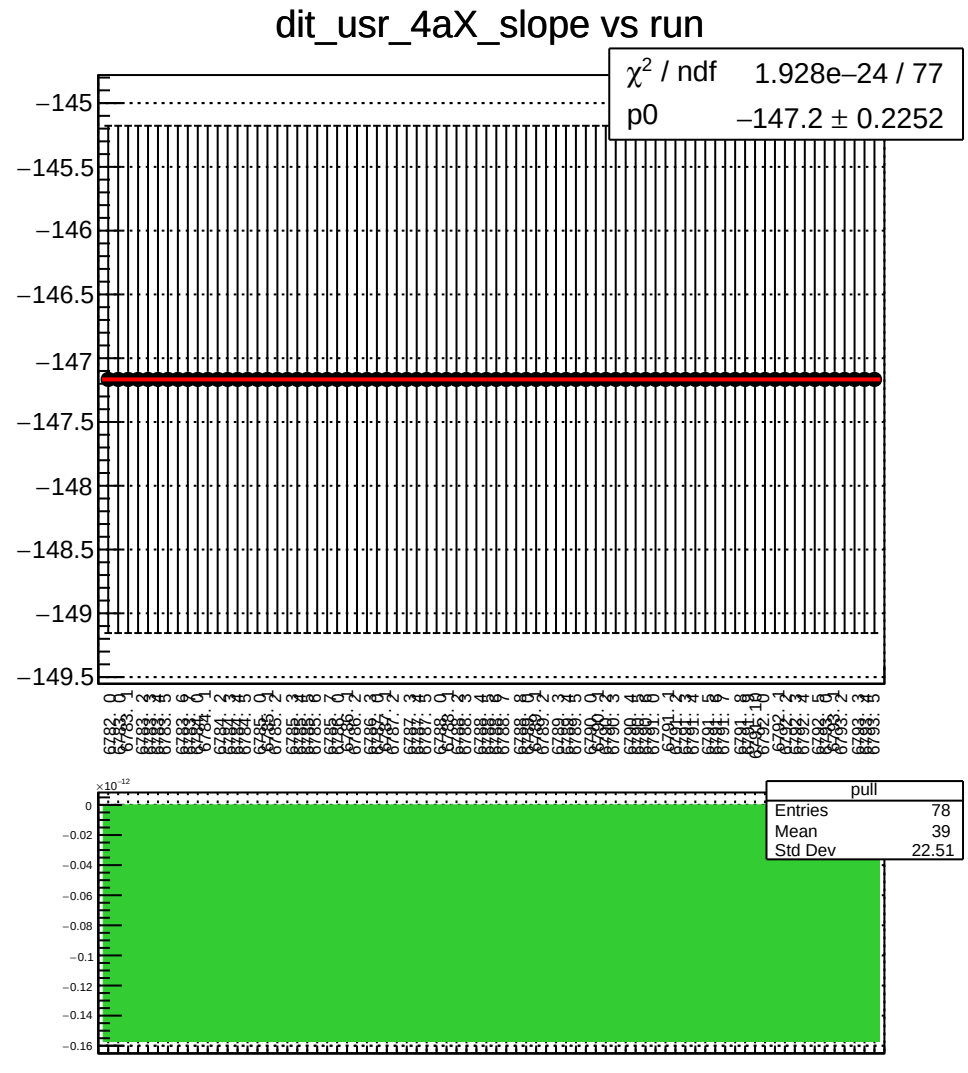

dit_usl_11X12X_slope vs run
χ² / ndf 8.02e−25 / 77
p0 −39.55 ± 0.07934
−38.8
−39
−39.2
−39.4
−39.6
−39.8
−40
−40.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 78
Mean −1.014e−13
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

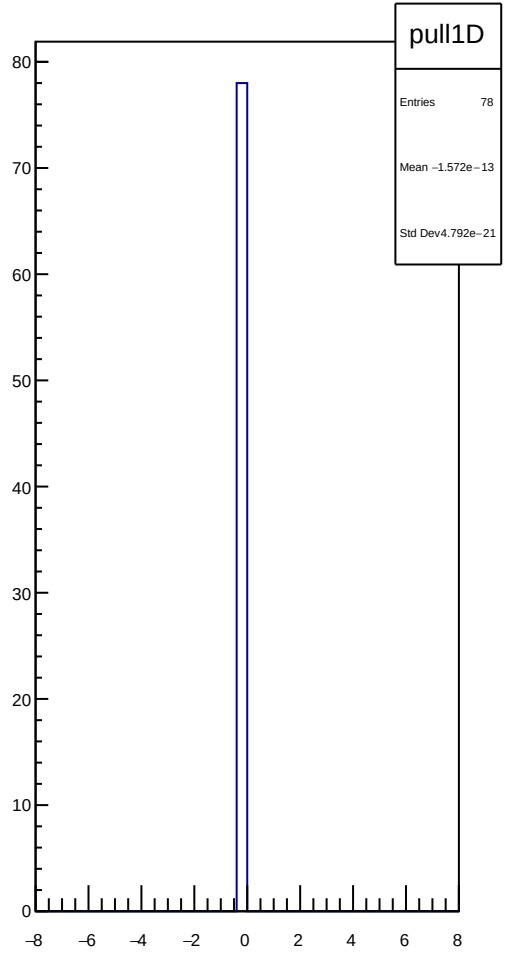

dit_usl_4aY_slope vs run
χ^2 / ndf 1.77e−29 / 77
p0 0.374 ± 0.02639
pull
Entries 78
Mean 39
Std Dev 22.51

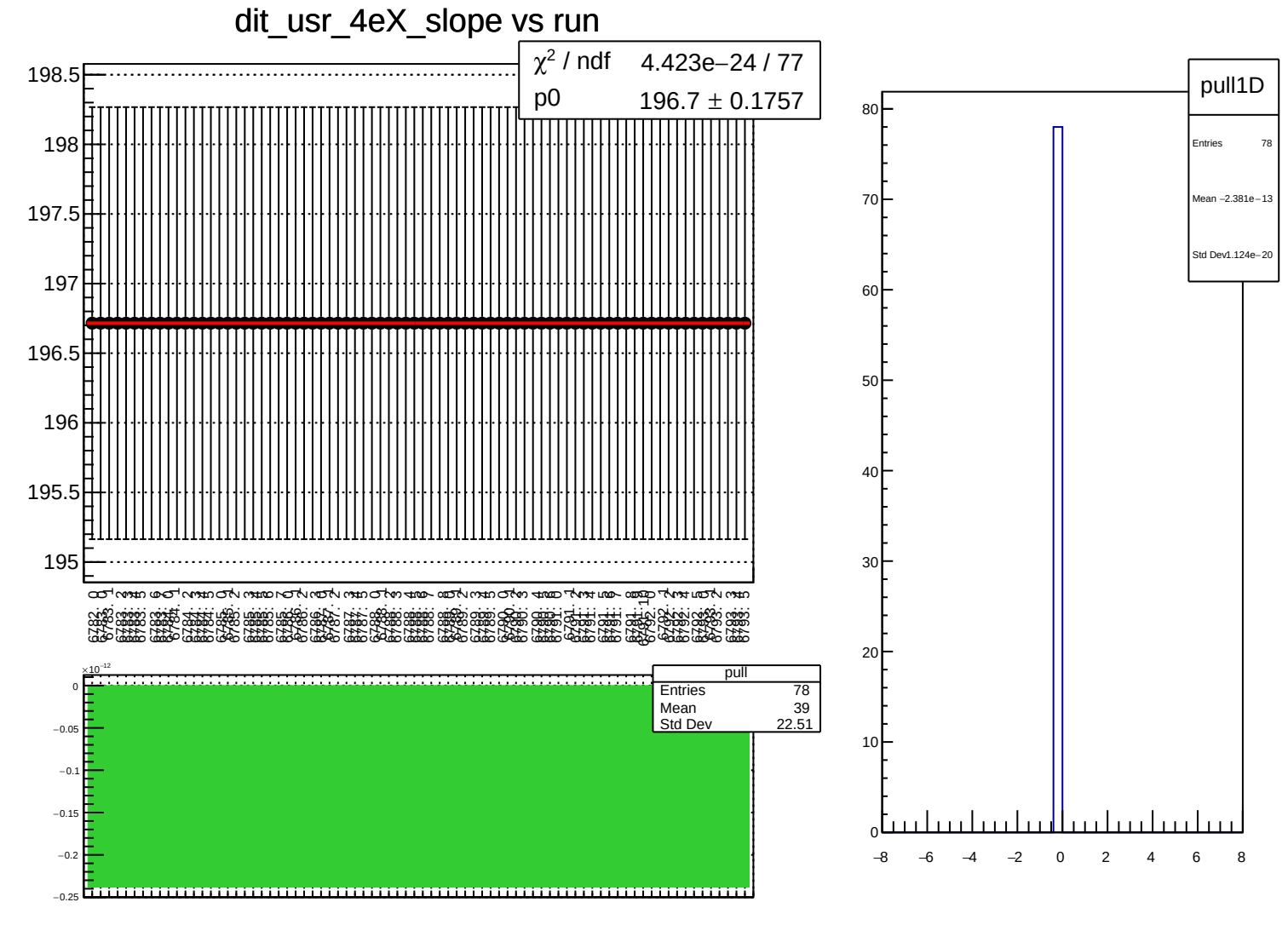

pull1D
Entries 78
Mean 4.764e−16
Std Dev 9.358e−24

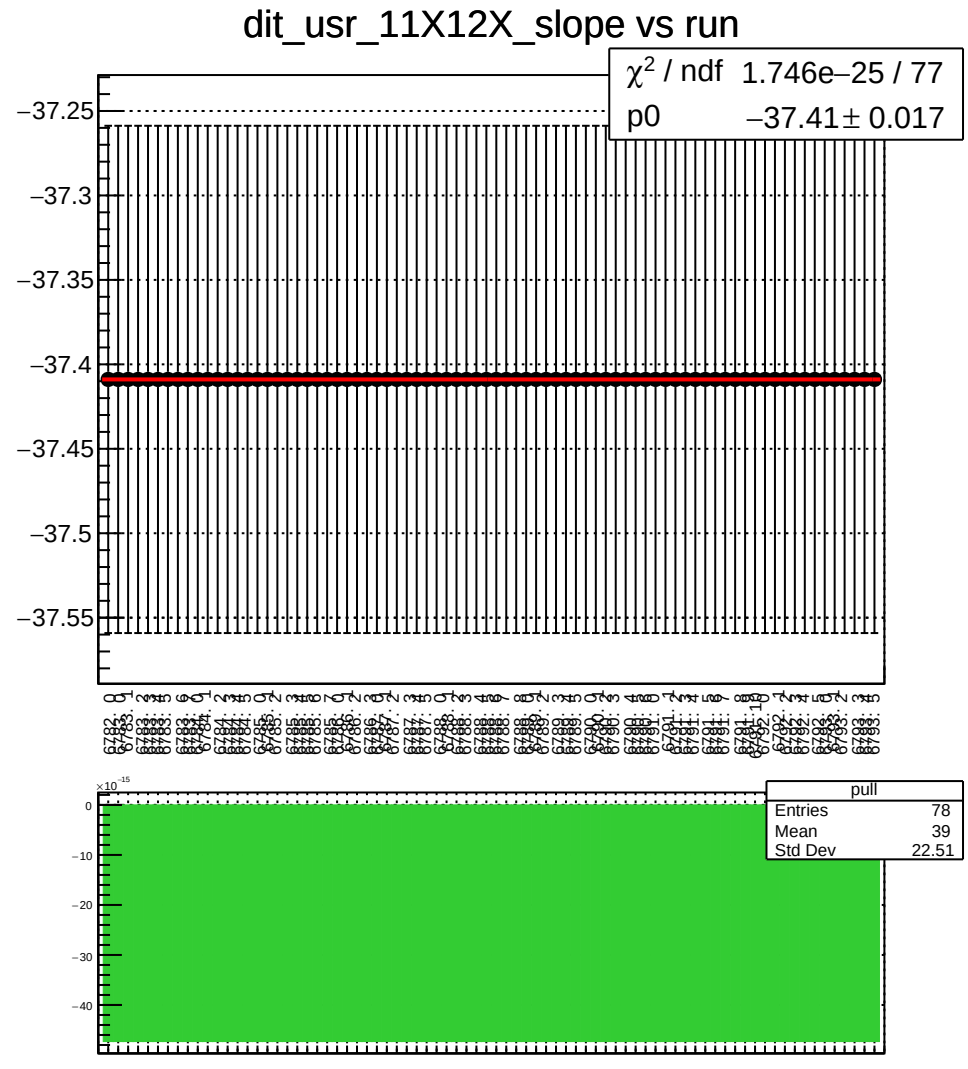

dit_usl_4eY_slope vs run
χ² / ndf 3.813e−25 / 77
p0 19.19 ± 0.04027
19.6
19.5
19.4
19.3
19.2
19.1
19
18.9
18.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
70
60
50
40
30
20
10
0

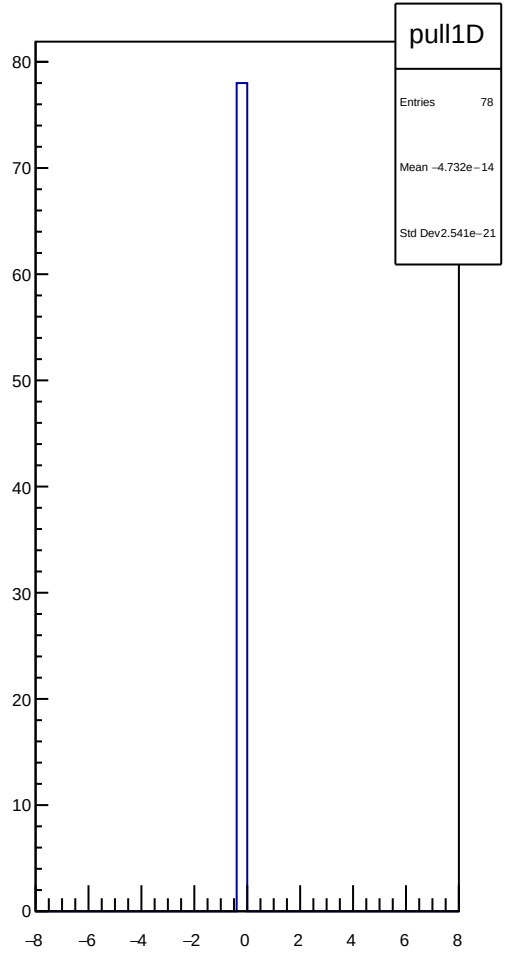

pull1D
Entries 78
Mean 6.992e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

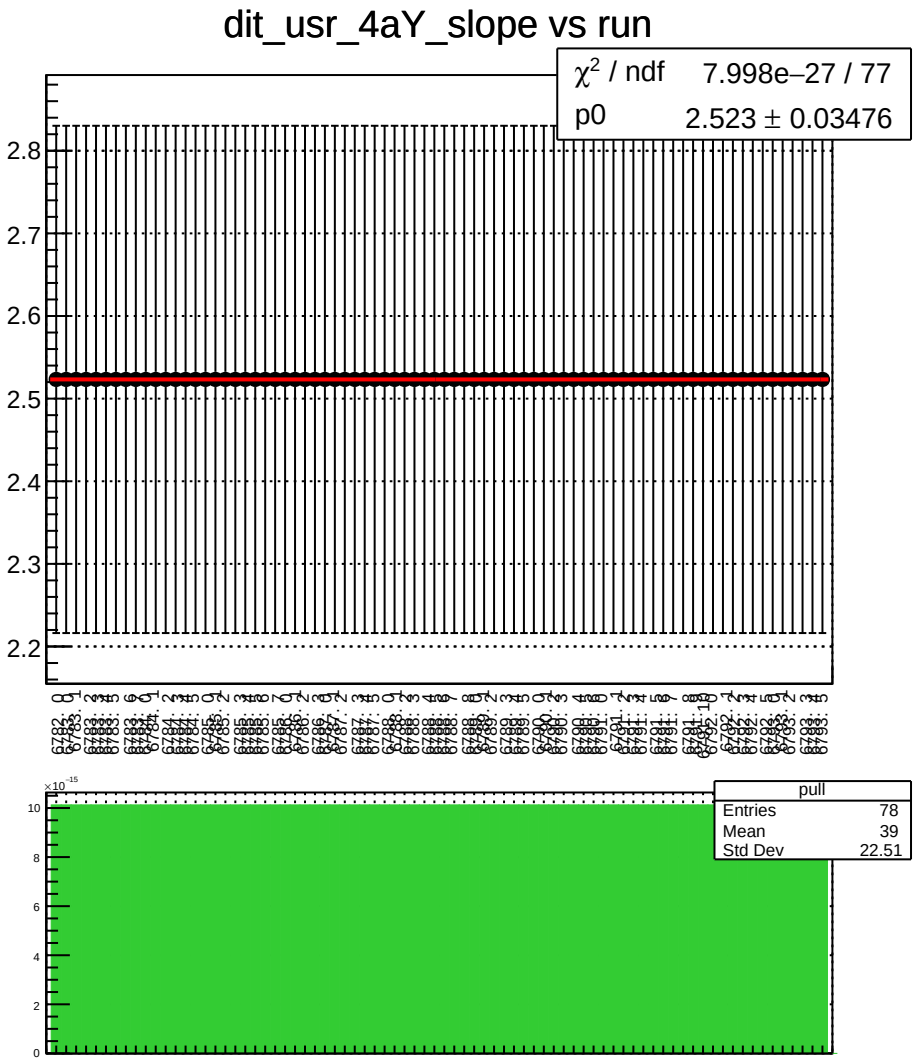

dit_usr_4aX_slope vs run
χ² / ndf 1.928e−24 / 77
p0 −147.2 ± 0.2252
−145
−145.5
−146
−146.5
−147
−147.5
−148
−148.5
−149
−149.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

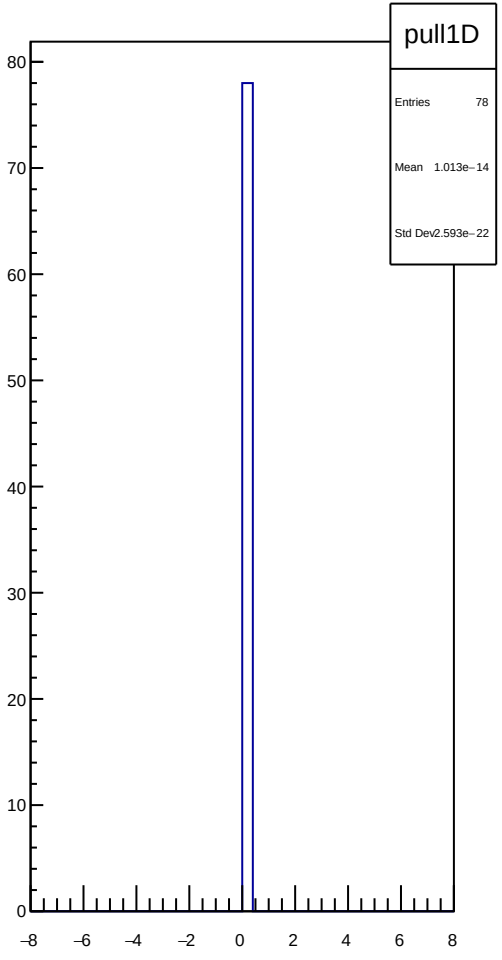

pull1D
Entries 78
Mean −1.572e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

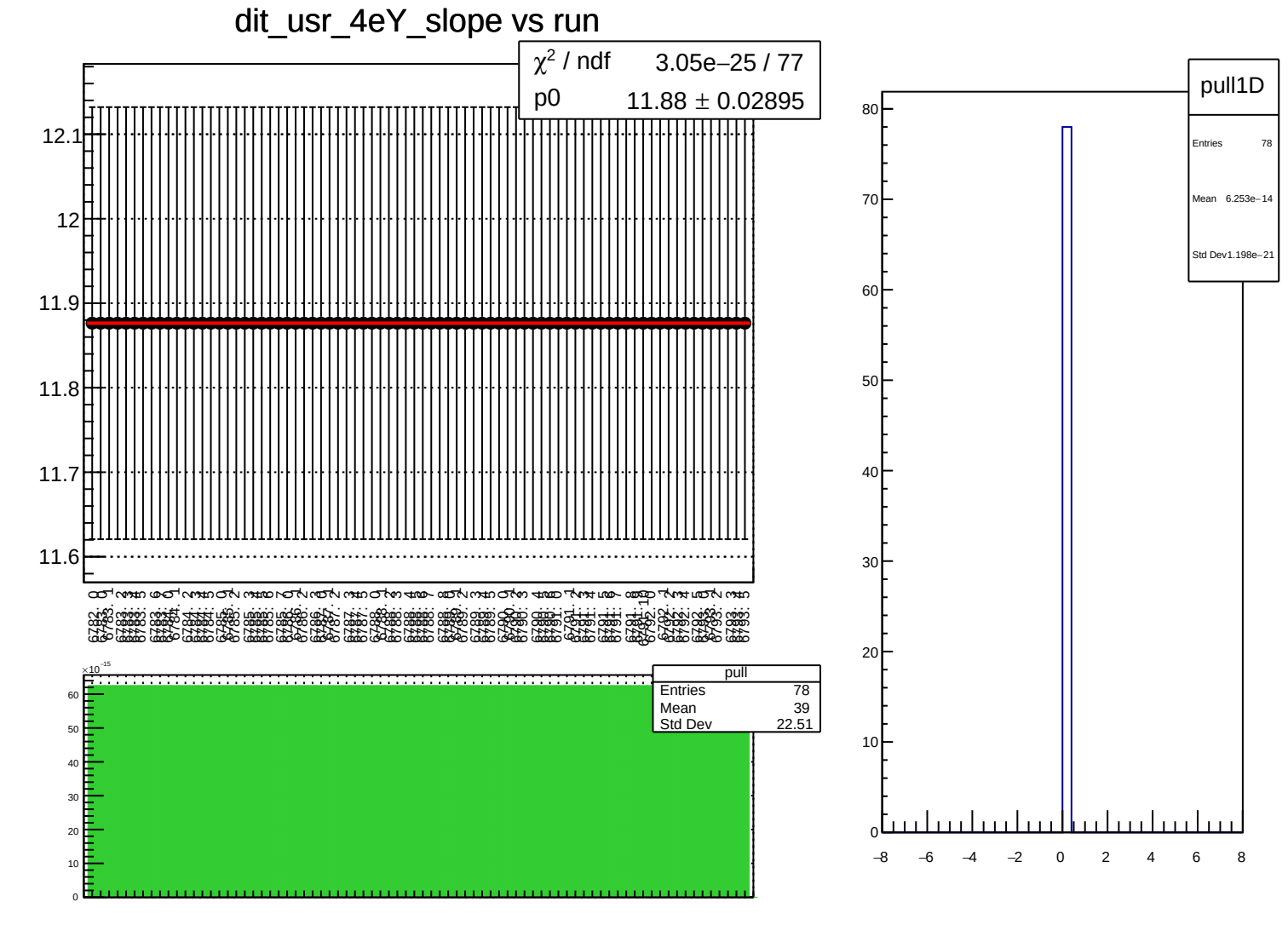

dit_usr_4eX_slope vs run
χ² / ndf 4.423e−24 / 77
p0 196.7 ± 0.1757
198.5
198
197.5
197
196.5
196
195.5
195
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 78
Mean −2.381e−13
Std Dev1.124e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

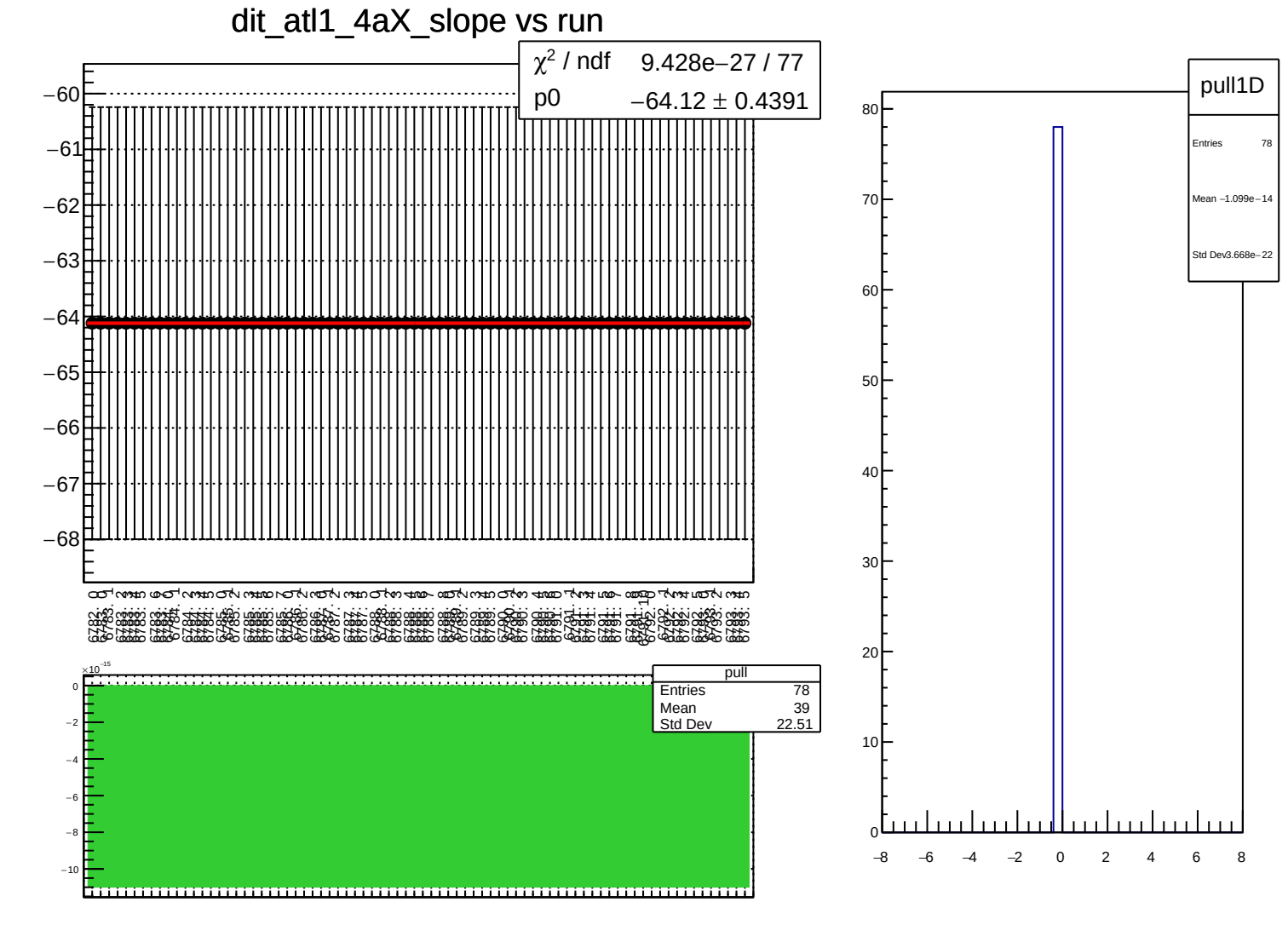

dit_usr_11X12X_slope vs run
χ² / ndf 1.746e−25 / 77
p0 −37.41 ± 0.017
−37.25
−37.3
−37.35
−37.4
−37.45
−37.5
−37.55
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40

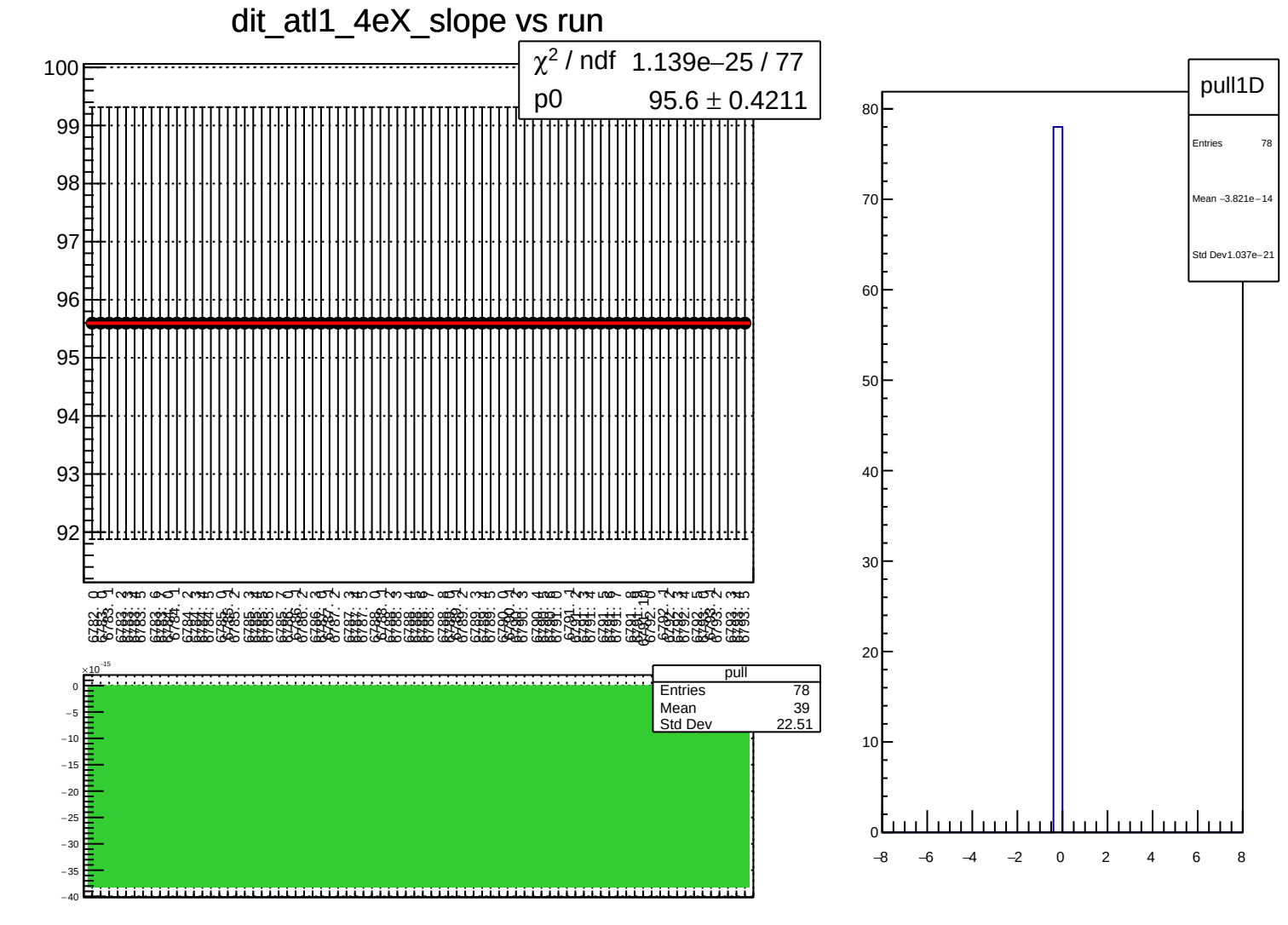

pull1D
Entries 78
Mean −4.732e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

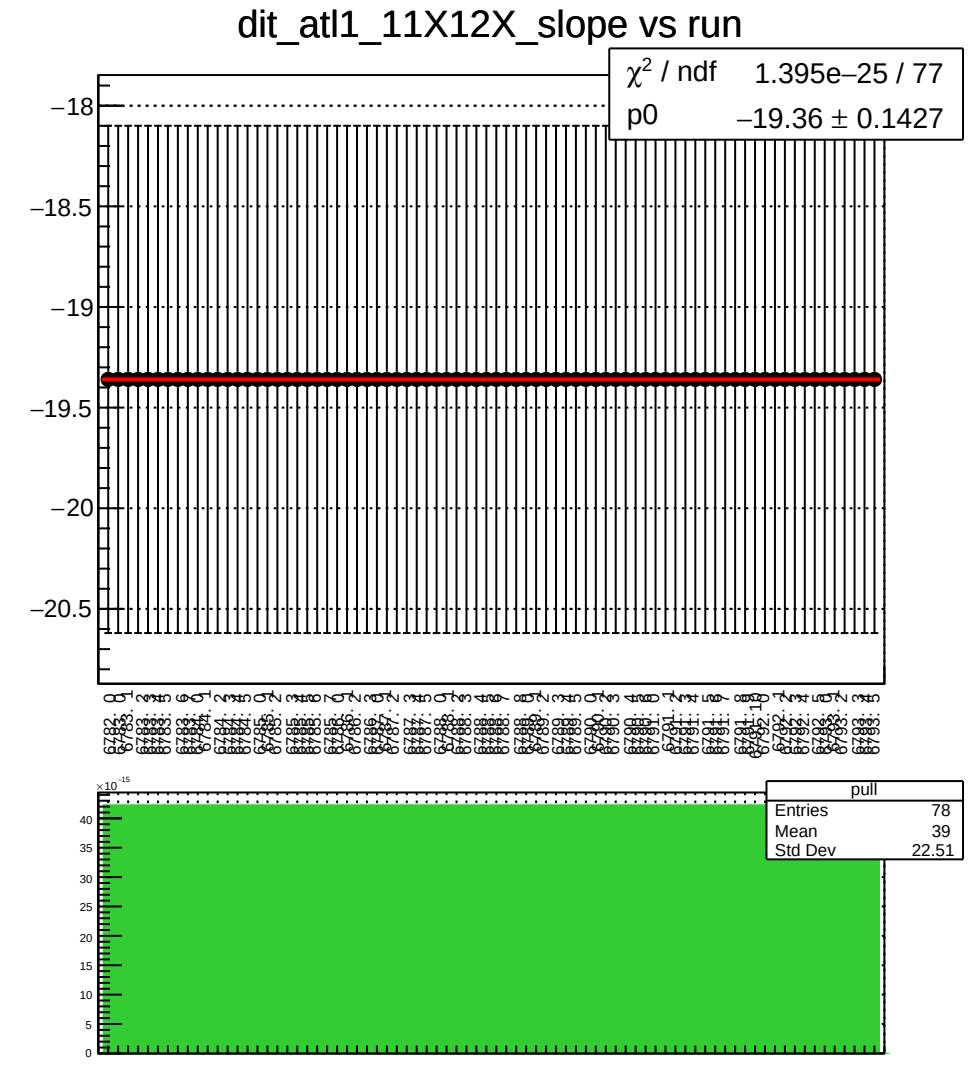

dit_usr_4aY_slope vs run
χ² / ndf 7.998e−27 / 77
p0 2.523 ± 0.03476
pull
Entries 78
Mean 39
Std Dev 22.51

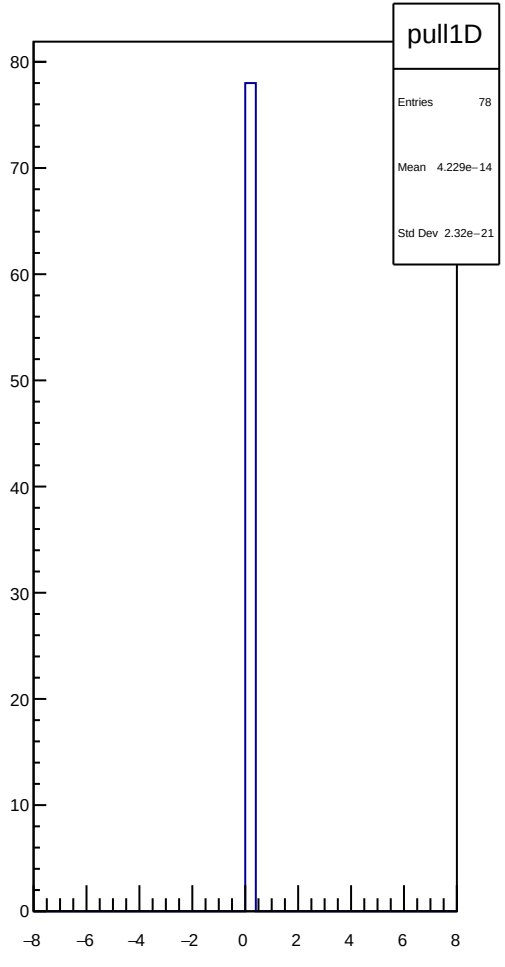

pull1D
Entries 78
Mean 1.013e−14
Std Dev 2.593e−22

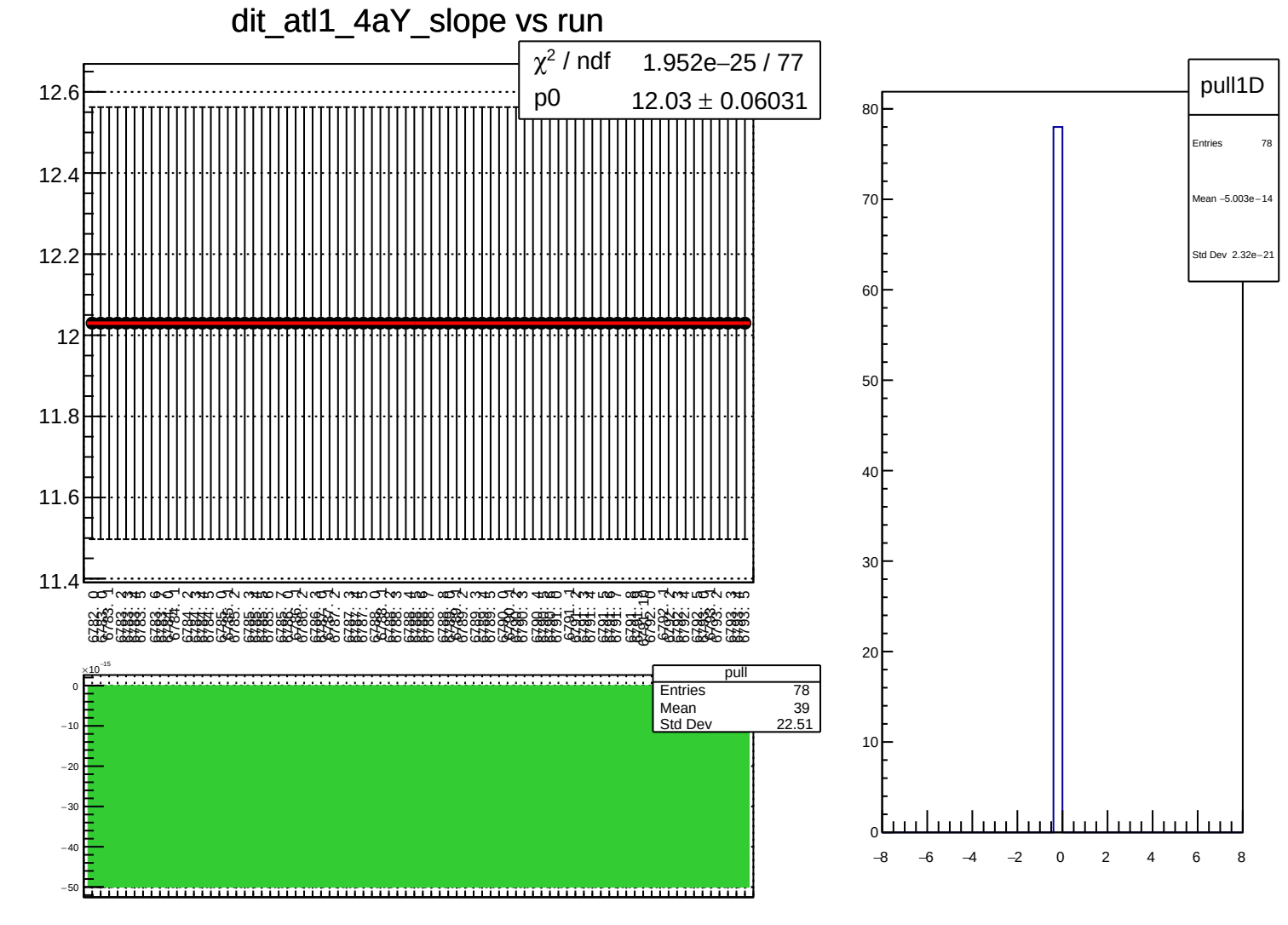

dit_usr_4eY_slope vs run
χ² / ndf 3.05e−25 / 77
p0 11.88 ± 0.02895
12.1
12
11.9
11.8
11.7
11.6
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 6.253e−14
Std Dev1.198e−21

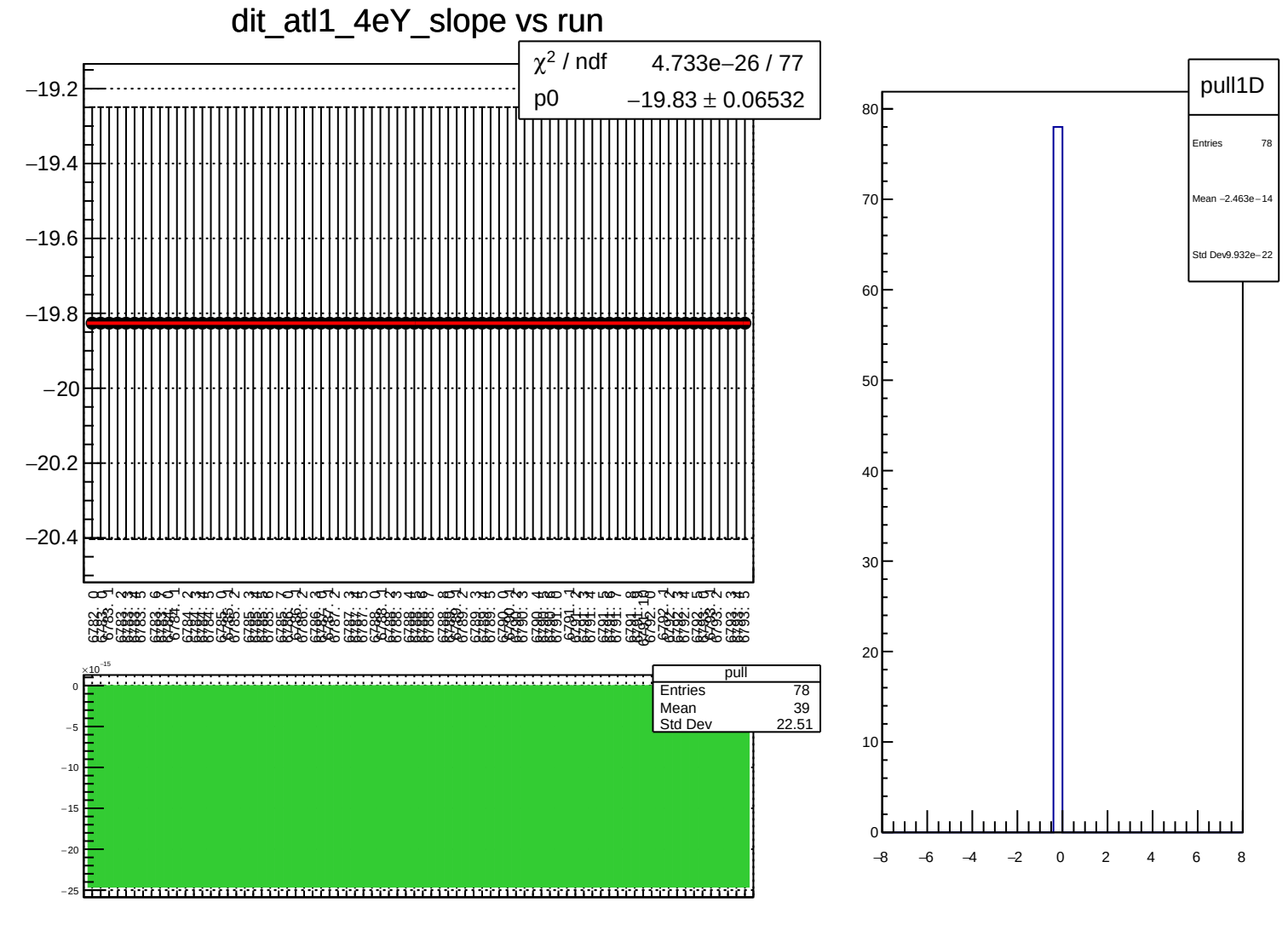

dit_atl1_4aX_slope vs run
χ² / ndf 9.428e−27 / 77
p0 −64.12 ± 0.4391
−60
−61
−62
−63
−64
−65
−66
−67
−68
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 78
Mean −1.099e−14
Std Dev 3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

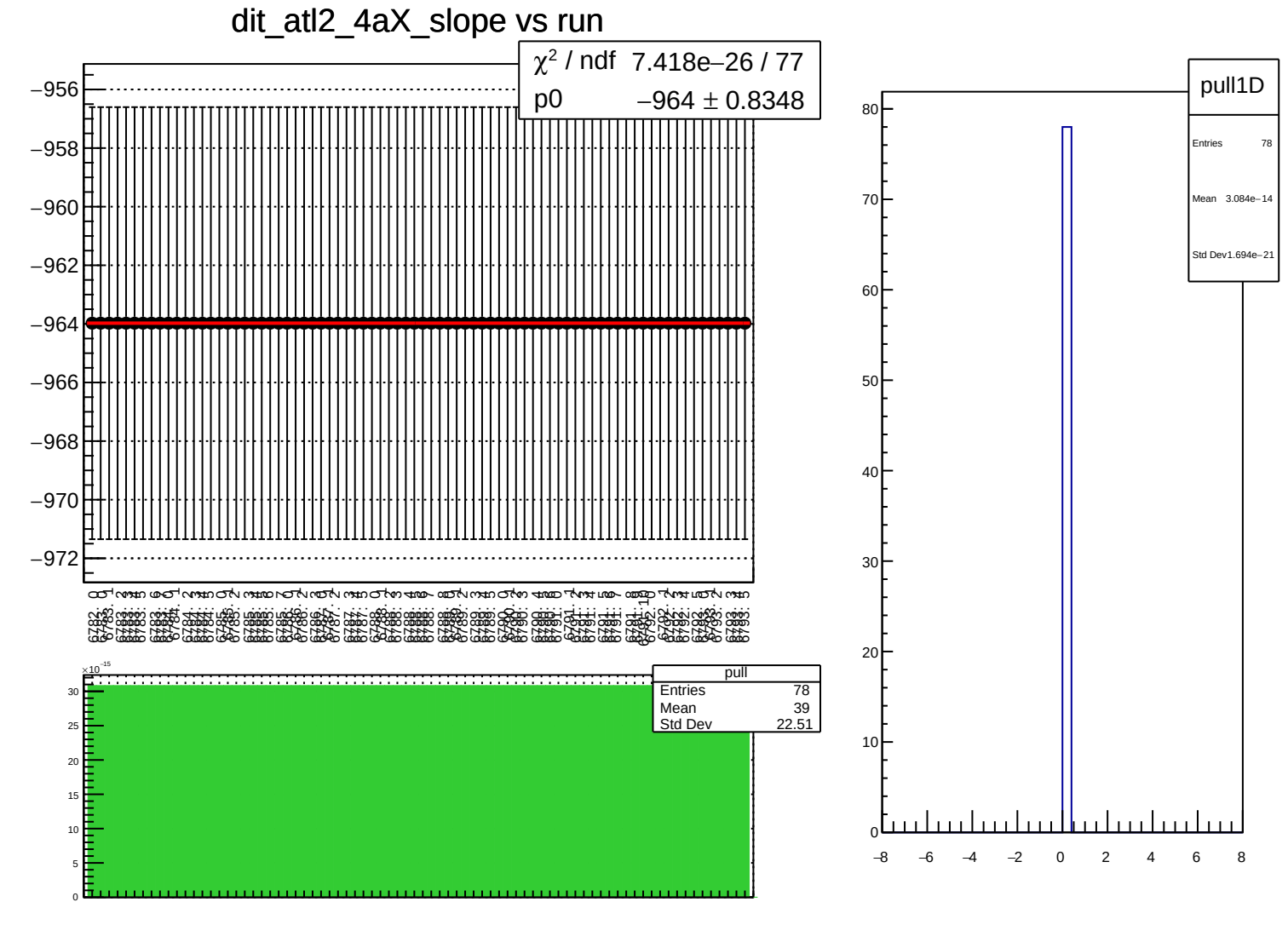

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.139e−25 / 77
p0 95.6 ± 0.4211
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −3.821e−14
Std Dev1.037e−21

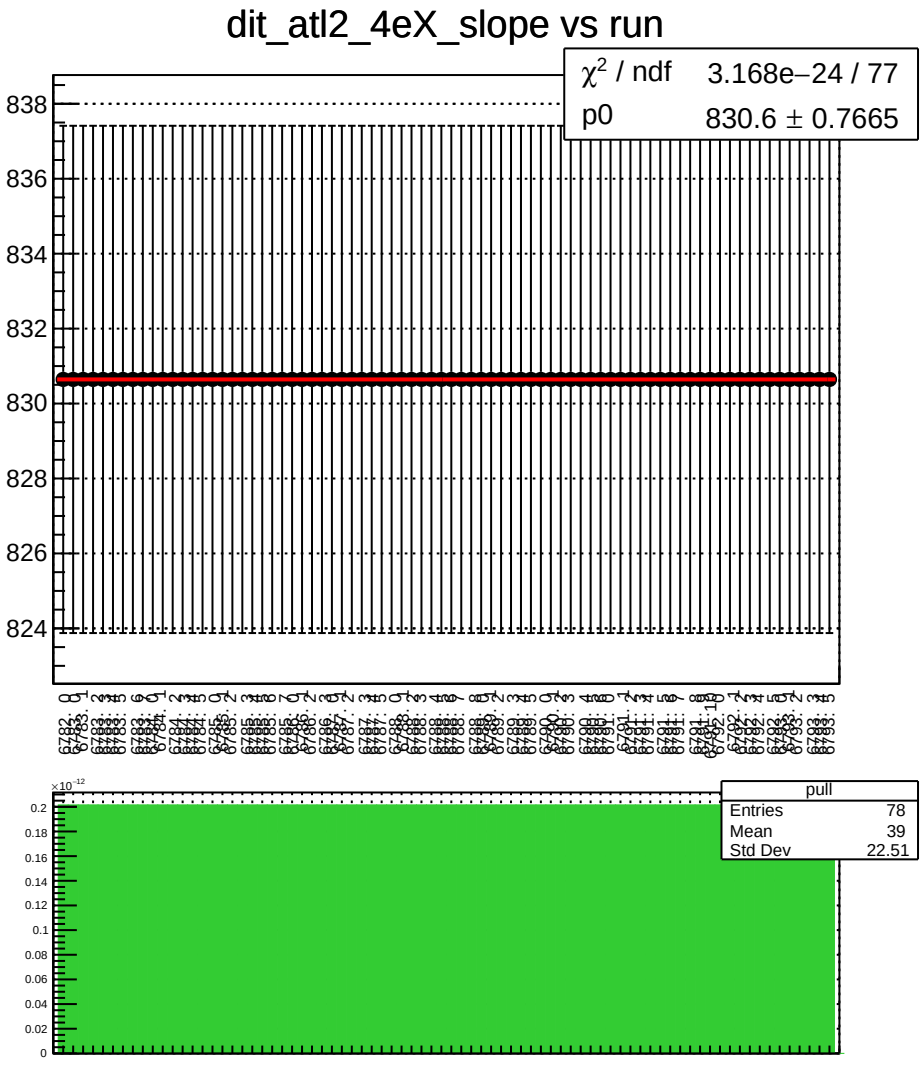

dit_atl1_11X12X_slope vs run
χ² / ndf 1.395e−25 / 77
p0 −19.36 ± 0.1427
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

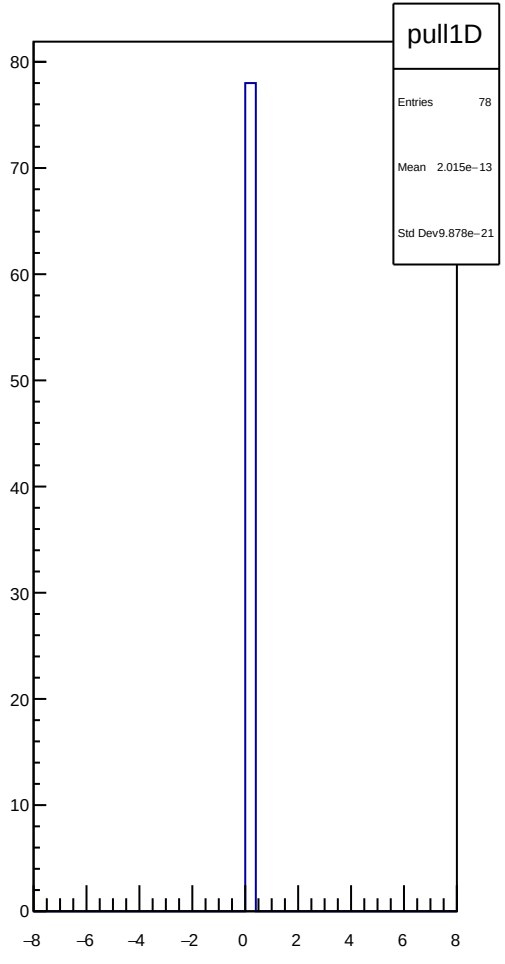

pull1D
Entries 78
Mean 4.229e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

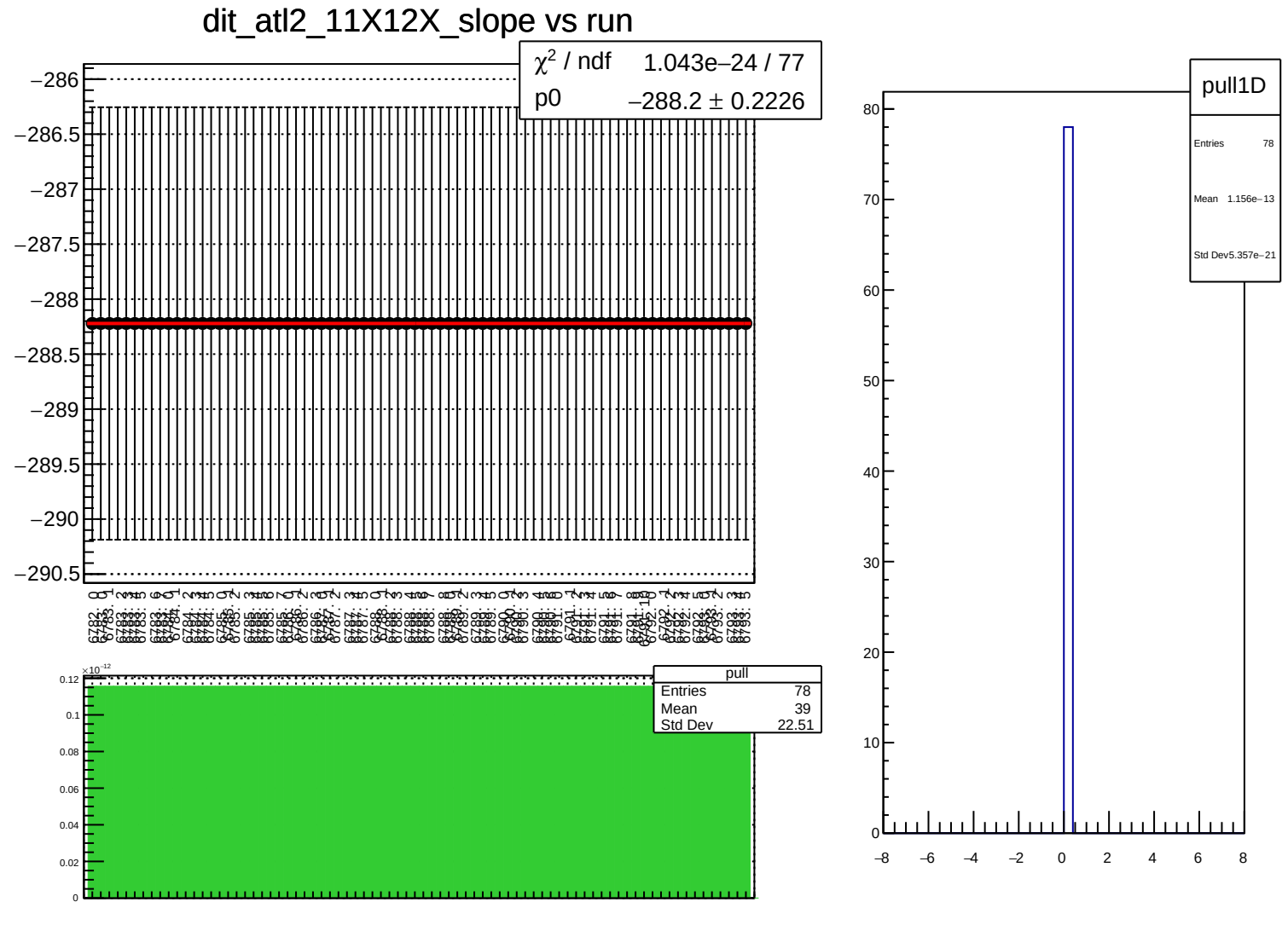

dit_atl1_4aY_slope vs run
χ² / ndf 1.952e−25 / 77
p0 12.03 ± 0.06031
12.6
12.4
12.2
12
11.8
11.6
11.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 78
Mean −5.003e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

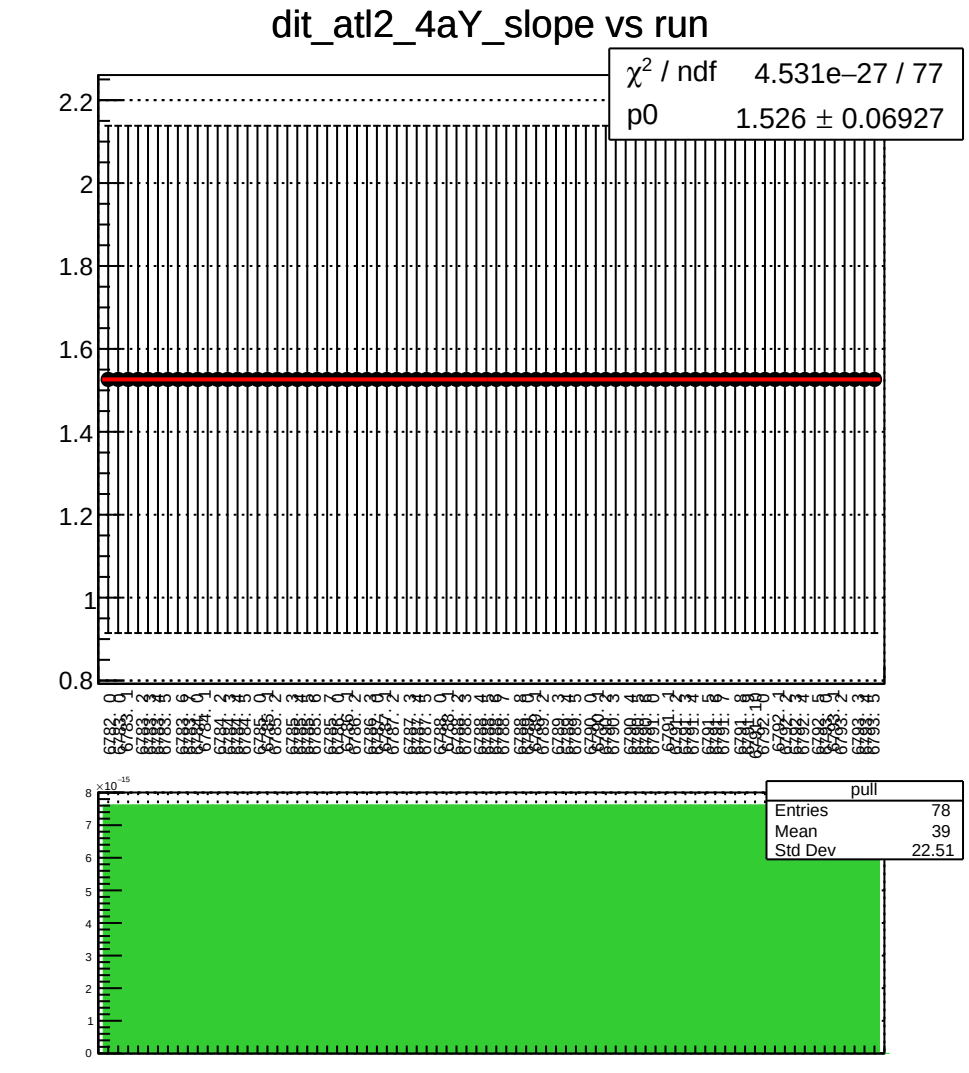

dit_atl1_4eY_slope vs run
χ² / ndf 4.733e−26 / 77
p0 −19.83 ± 0.06532
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean −2.463e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

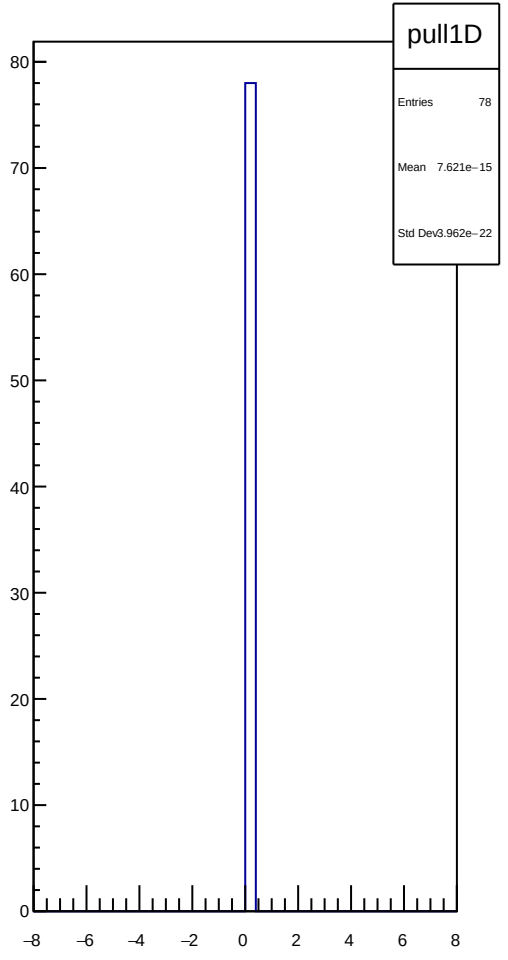

dit_atl2_4aX_slope vs run
χ² / ndf 7.418e−26 / 77
p0 −964 ± 0.8348
−956
−958
−960
−962
−964
−966
−968
−970
−972
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.084e−14
Std Dev1.694e−21

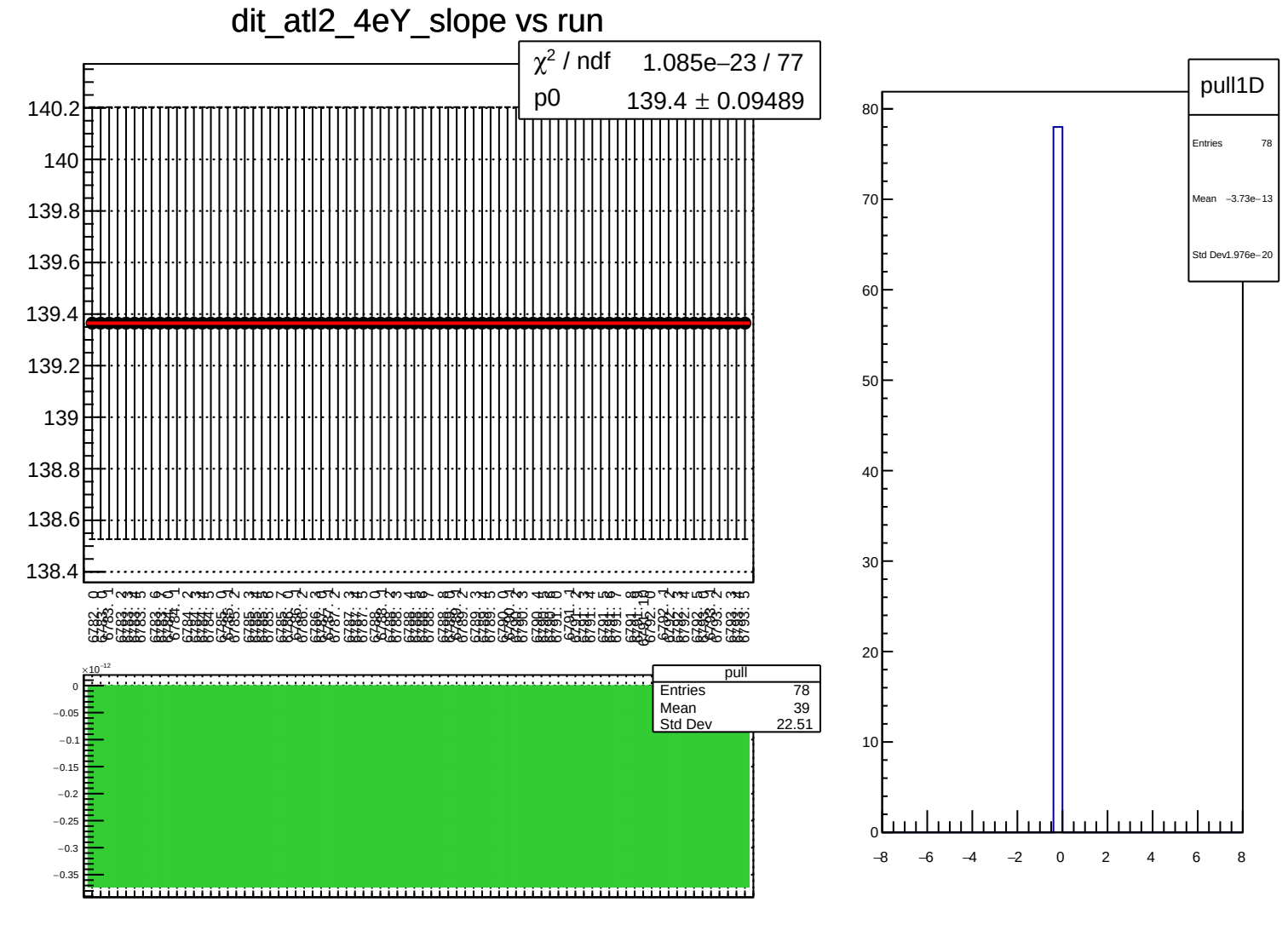

dit_atl2_4eX_slope vs run
χ^2 / ndf 3.168e−24 / 77
p0 830.6 ± 0.7665
838
836
834
832
830
828
826
824
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

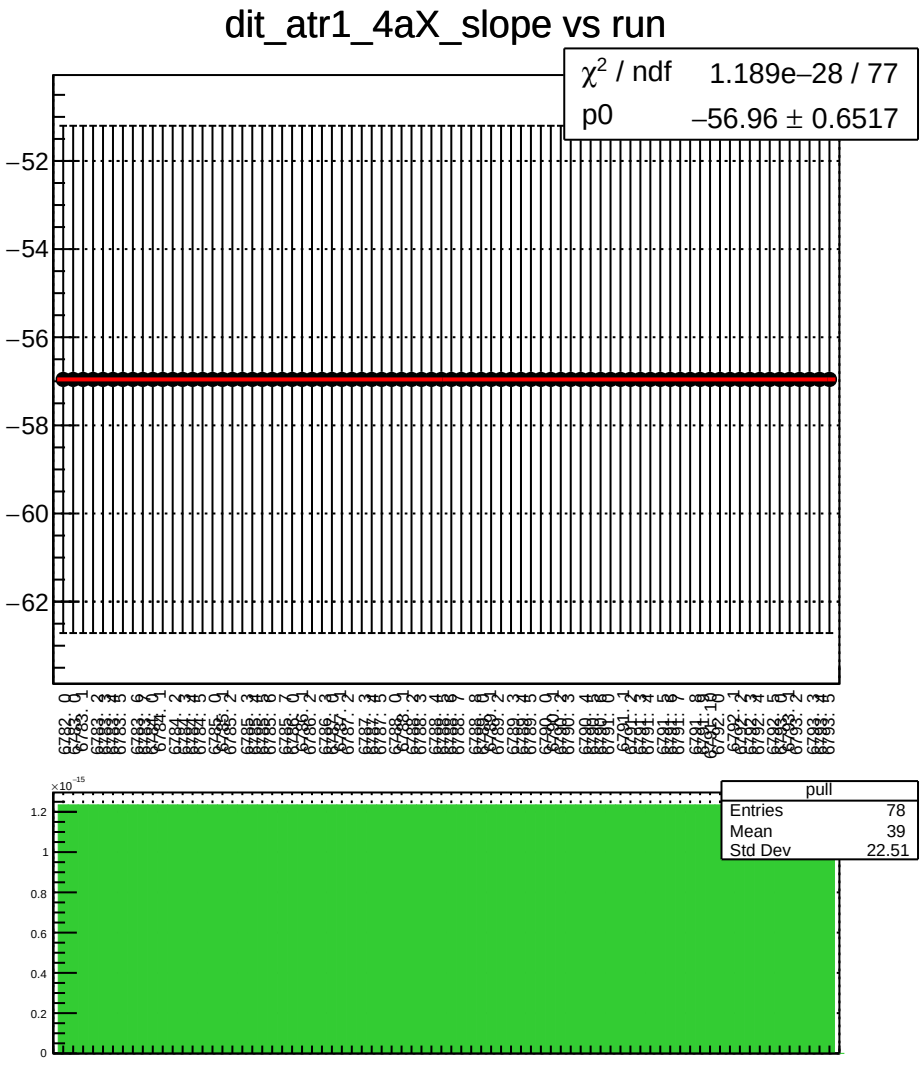

pull1D
Entries 78
Mean 2.015e−13
Std Dev9.878e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

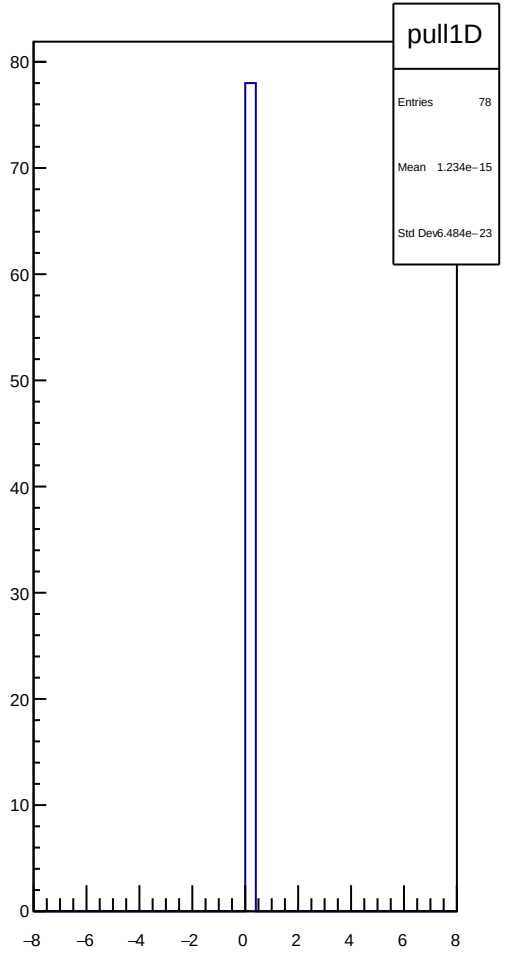

dit_atl2_11X12X_slope vs run
χ² / ndf 1.043e−24 / 77
p0 −288.2 ± 0.2226
−286
−286.5
−287
−287.5
−288
−288.5
−289
−289.5
−290
−290.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 78
Mean 1.156e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

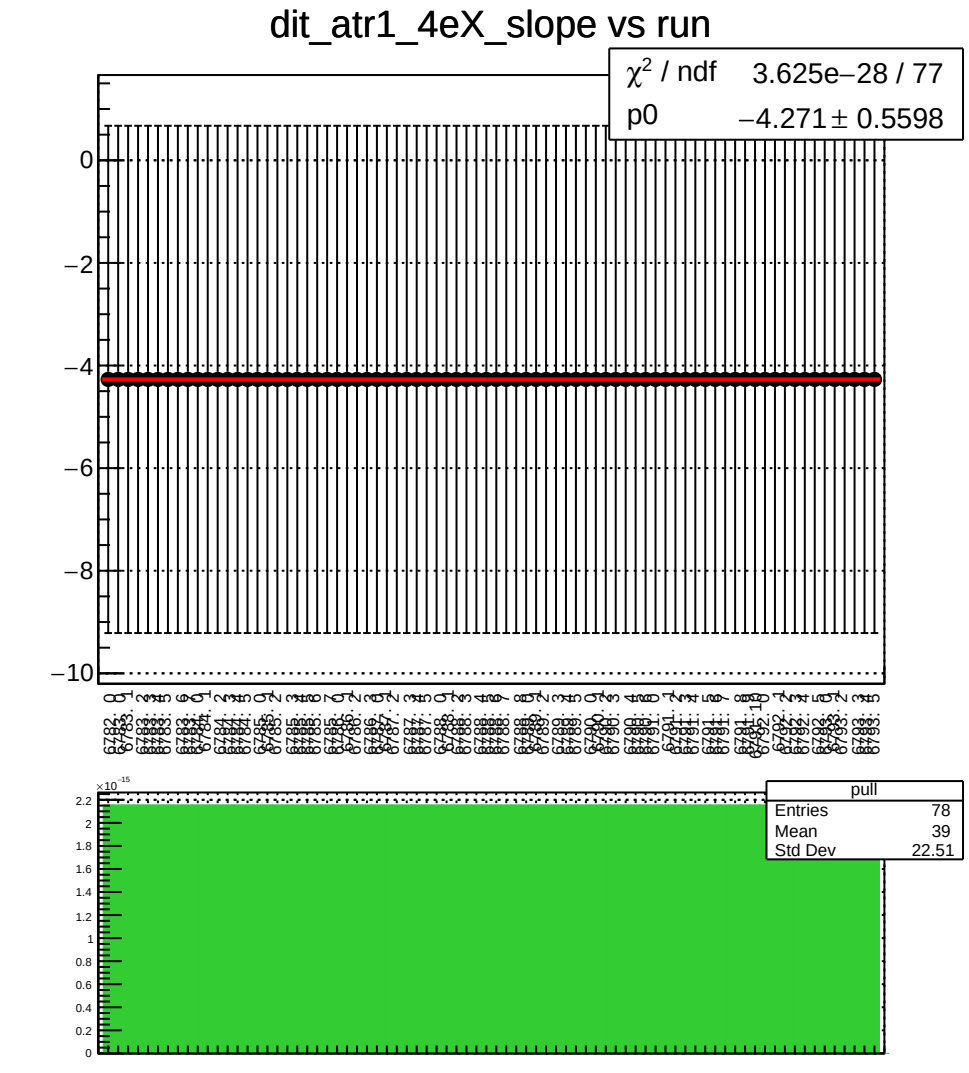

dit_atl2_4aY_slope vs run
χ² / ndf 4.531e−27 / 77
p0 1.526 ± 0.06927
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

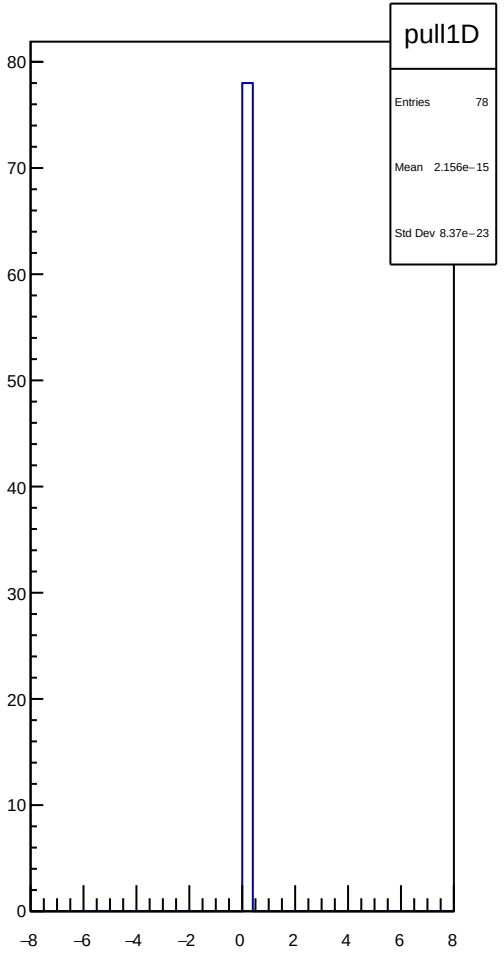

pull1D
Entries 78
Mean 7.621e−15
Std Dev 3.962e−22

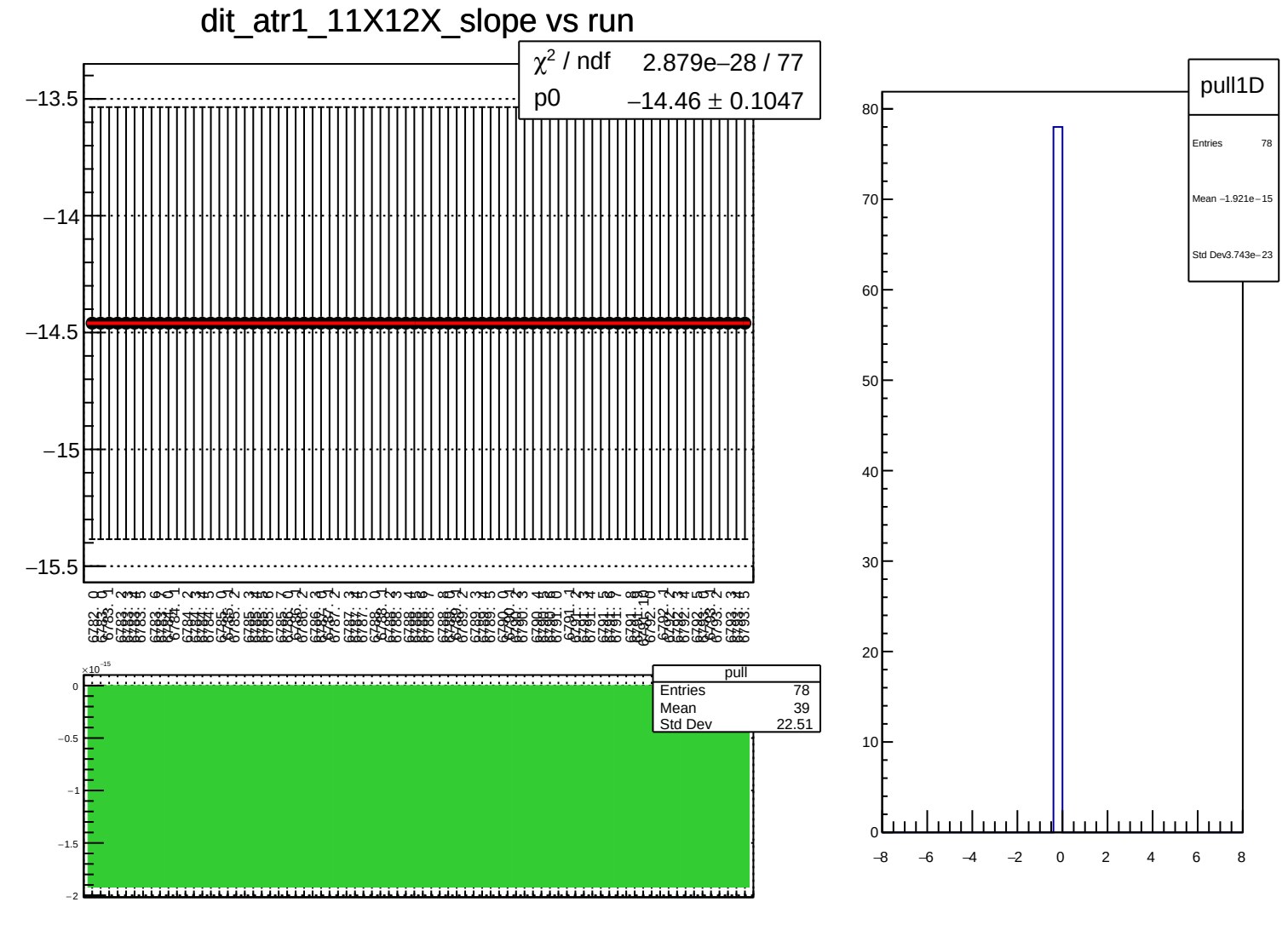

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.085e−23 / 77
p0 139.4 ± 0.09489
140.2
140
139.8
139.6
139.4
139.2
139
138.8
138.6
138.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 78
Mean −3.73e−13
Std Dev1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

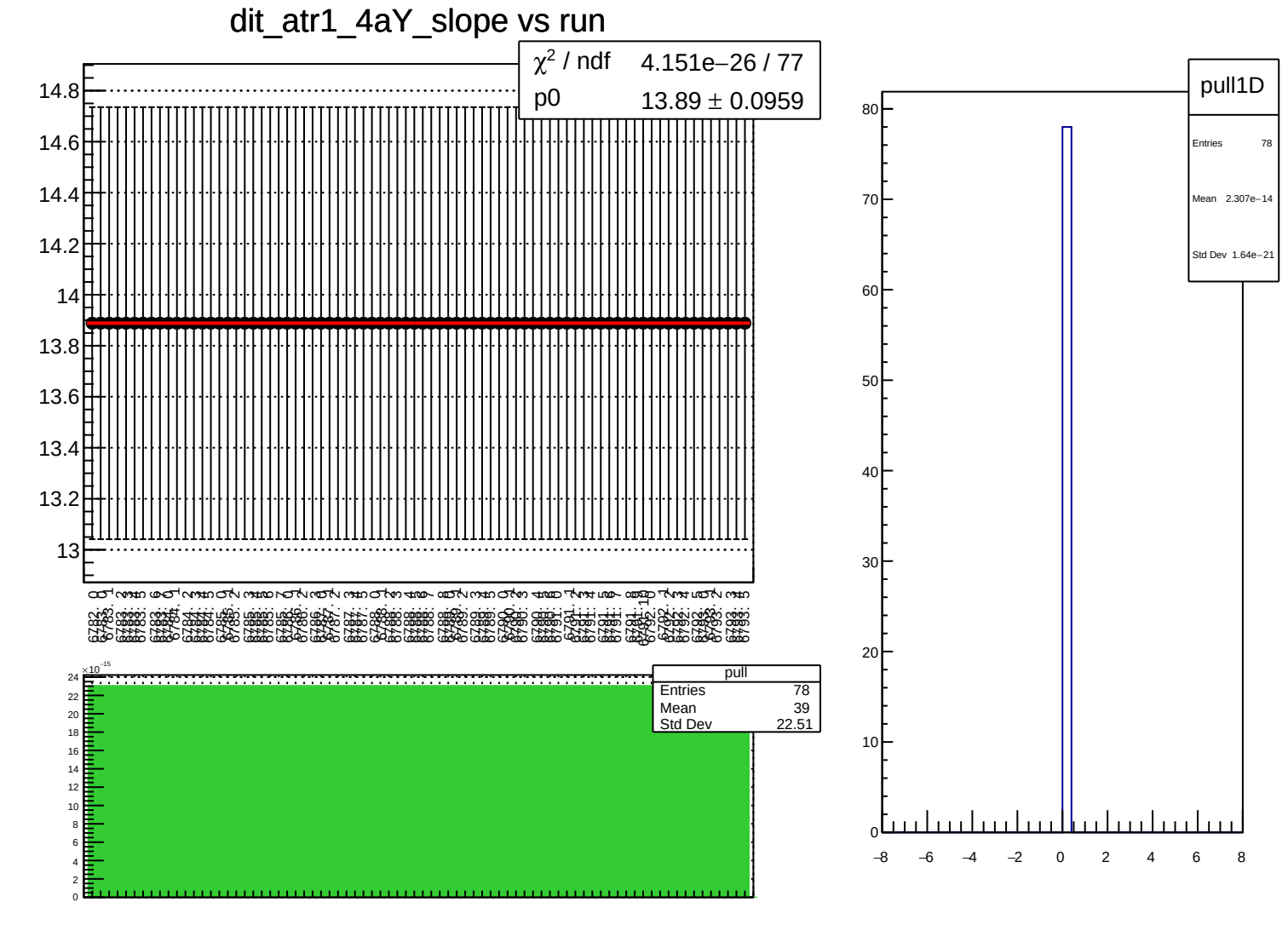

dit_atr1_4aX_slope vs run
χ² / ndf 1.189e−28 / 77
p0 −56.96 ± 0.6517
−52
−54
−56
−58
−60
−62
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0

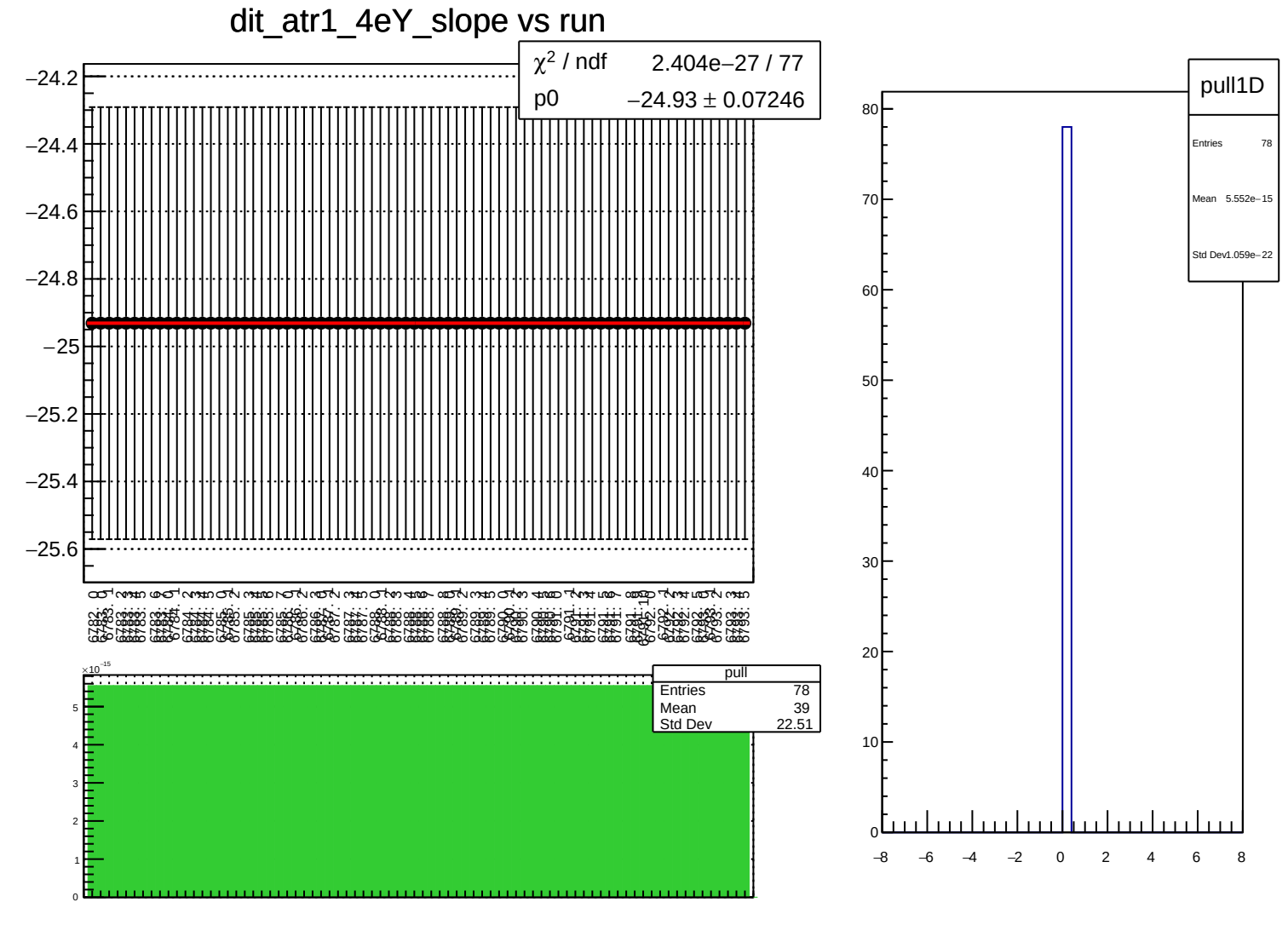

pull1D
Entries 78
Mean 1.234e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

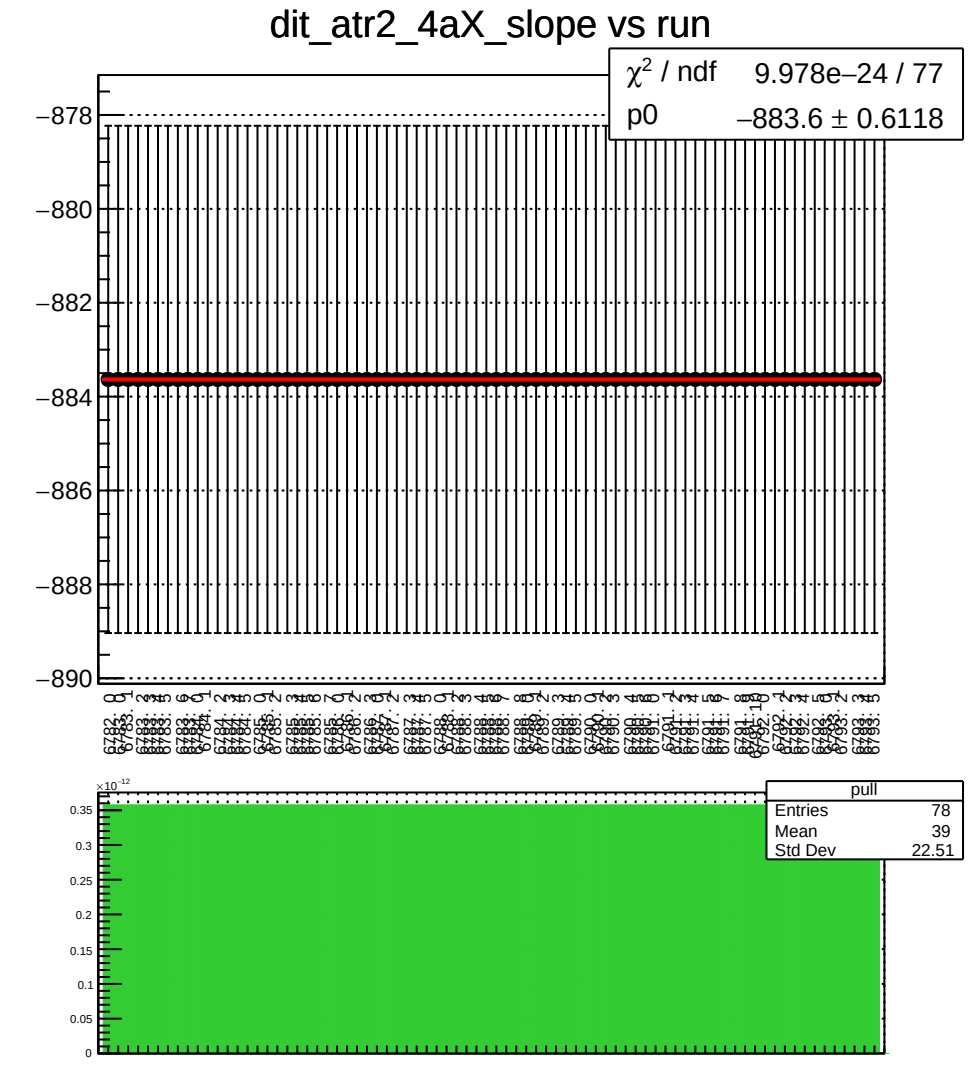

dit_atr1_4eX_slope vs run
χ² / ndf 3.625e−28 / 77
p0 −4.271 ± 0.5598
0
−2
−4
−6
−8
−10
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 78
Mean 39
Std Dev 22.51

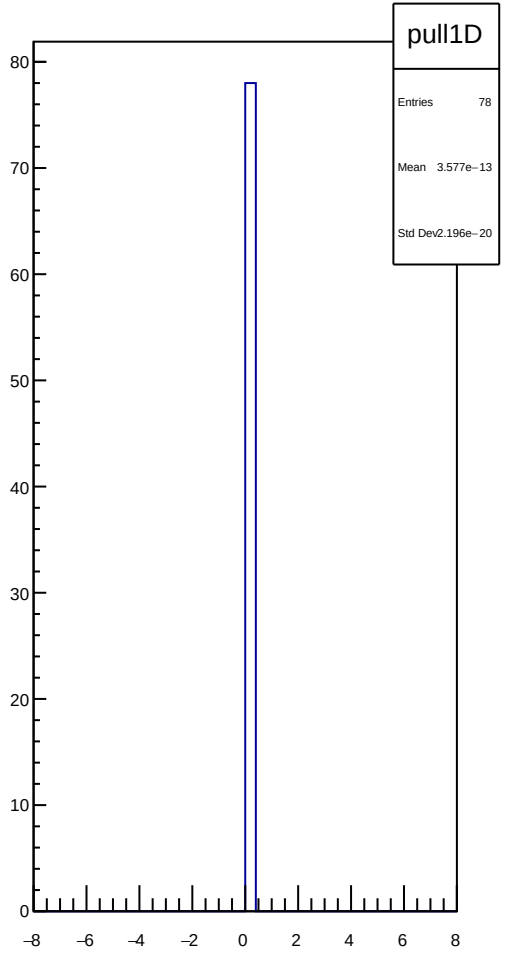

pull1D
Entries 78
Mean 2.156e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

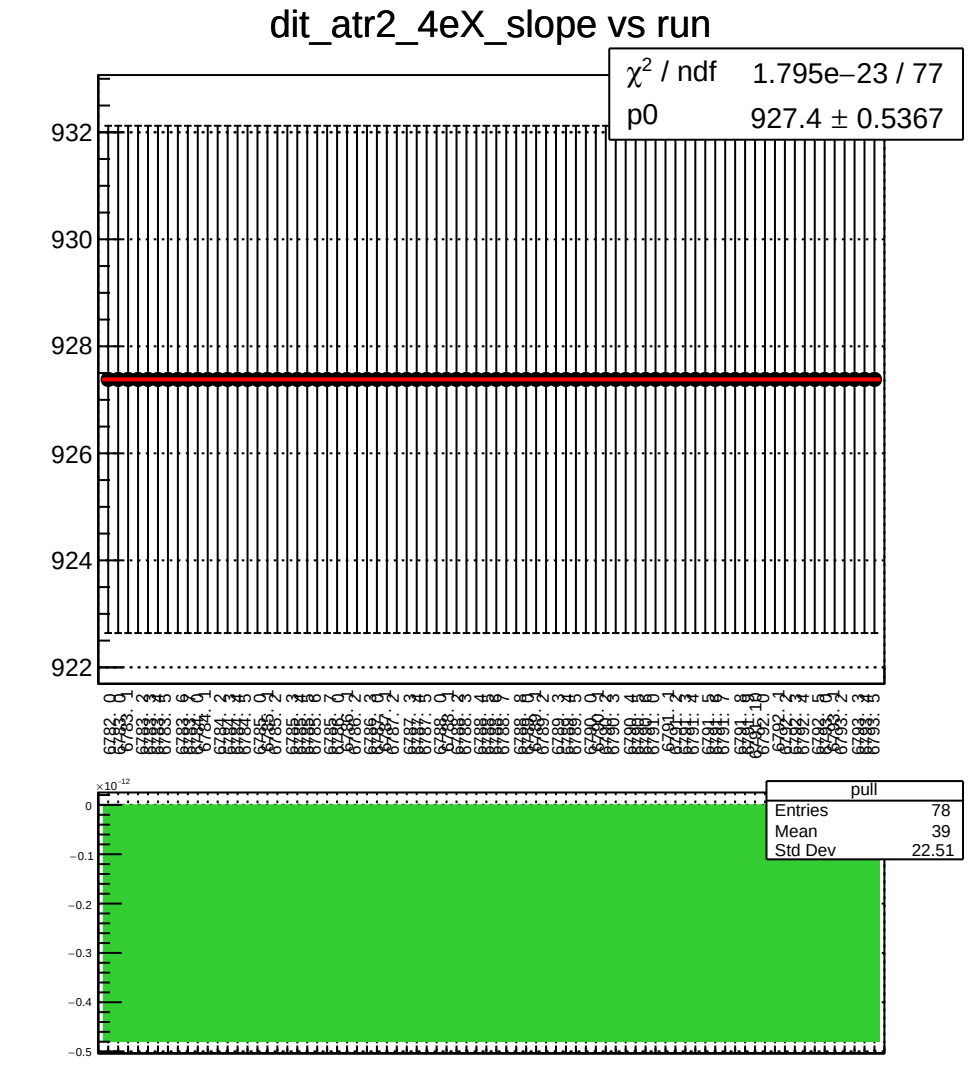

dit_atr1_11X12X_slope vs run
χ² / ndf 2.879e−28 / 77
p0 −14.46 ± 0.1047
−13.5
−14
−14.5
−15
−15.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −1.921e−15
Std Dev 3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

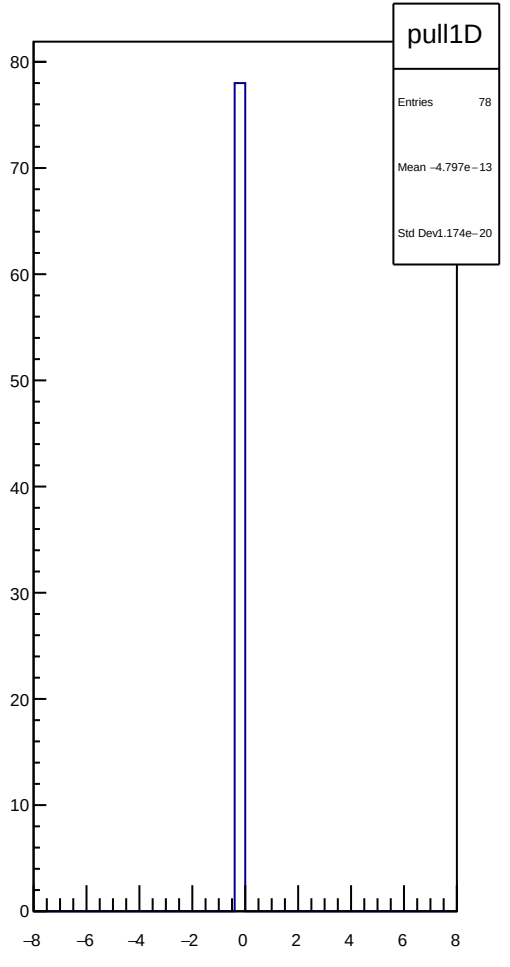

dit_atr1_4aY_slope vs run
χ² / ndf 4.151e−26 / 77
p0 13.89 ± 0.0959
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 2.307e−14
Std Dev 1.64e−21

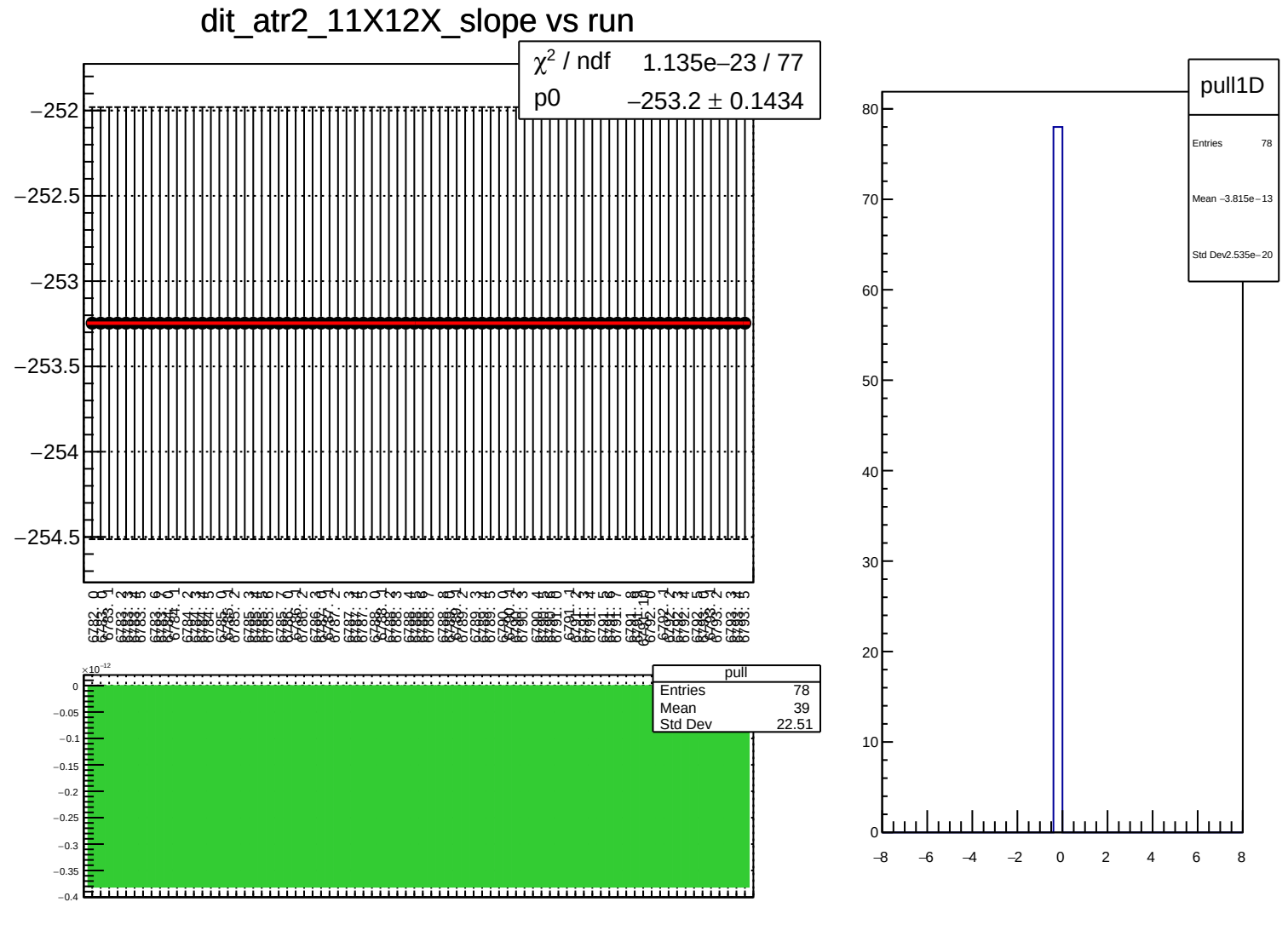

dit_atr1_4eY_slope vs run
χ² / ndf 2.404e−27 / 77
p0 −24.93 ± 0.07246
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 5.552e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

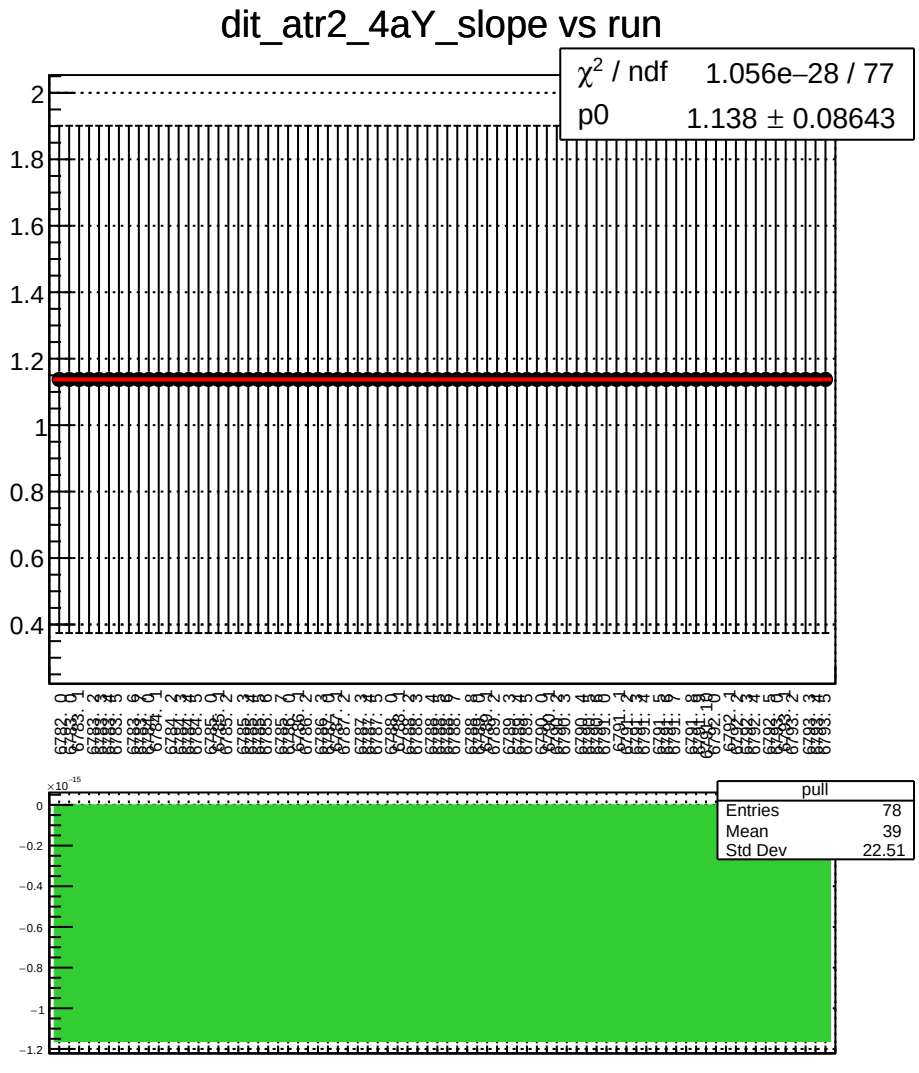

dit_atr2_4aX_slope vs run
χ² / ndf 9.978e−24 / 77
p0 −883.6 ± 0.6118
−878
−880
−882
−884
−886
−888
−890
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

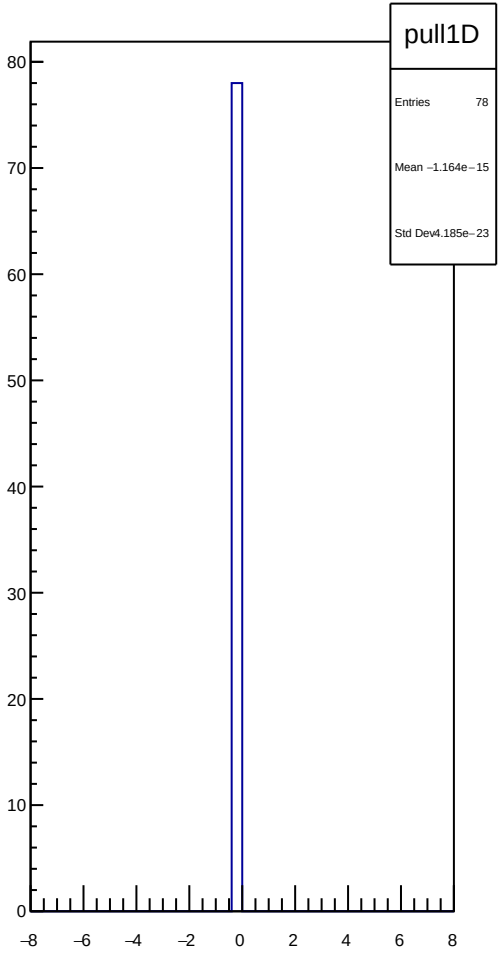

pull1D
Entries 78
Mean 3.577e−13
Std Dev 2.196e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

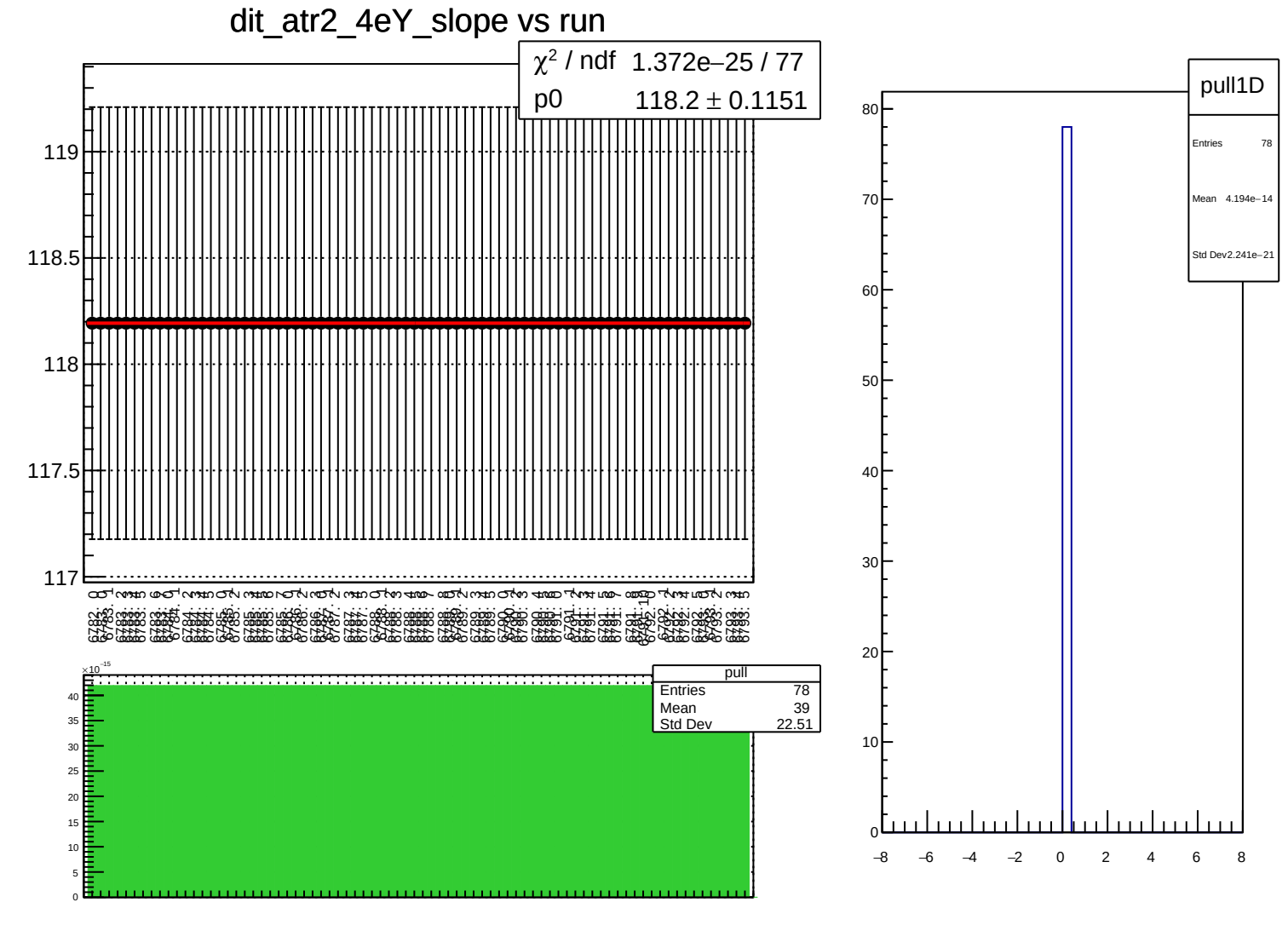

dit_atr2_4eX_slope vs run
χ² / ndf 1.795e−23 / 77
p0 927.4 ± 0.5367
932
930
928
926
924
922
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

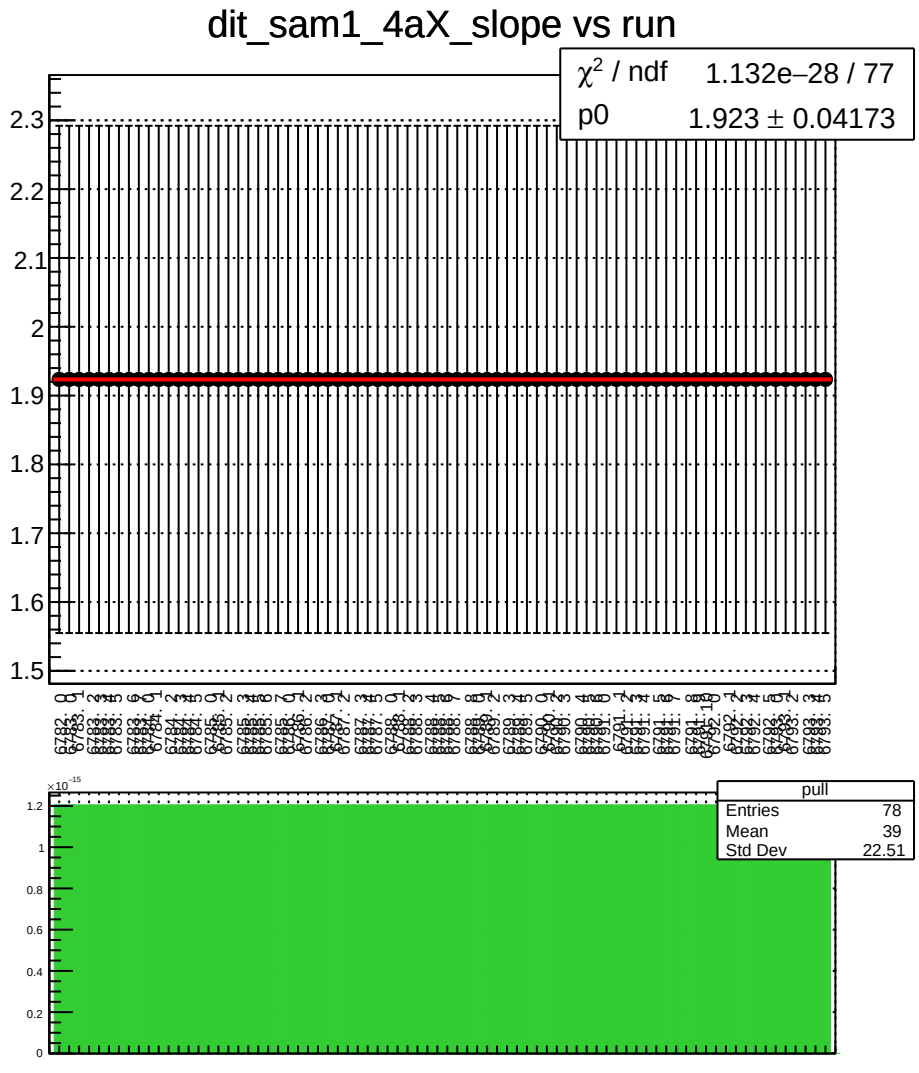

pull1D
Entries 78
Mean −4.797e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

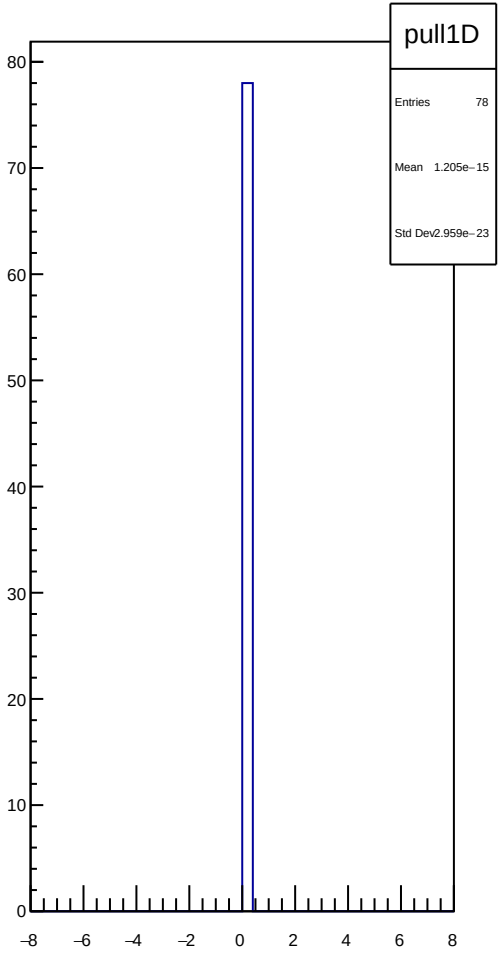

dit_atr2_11X12X_slope vs run
χ² / ndf 1.135e−23 / 77
p0 −253.2 ± 0.1434
−252
−252.5
−253
−253.5
−254
−254.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 78
Mean −3.815e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

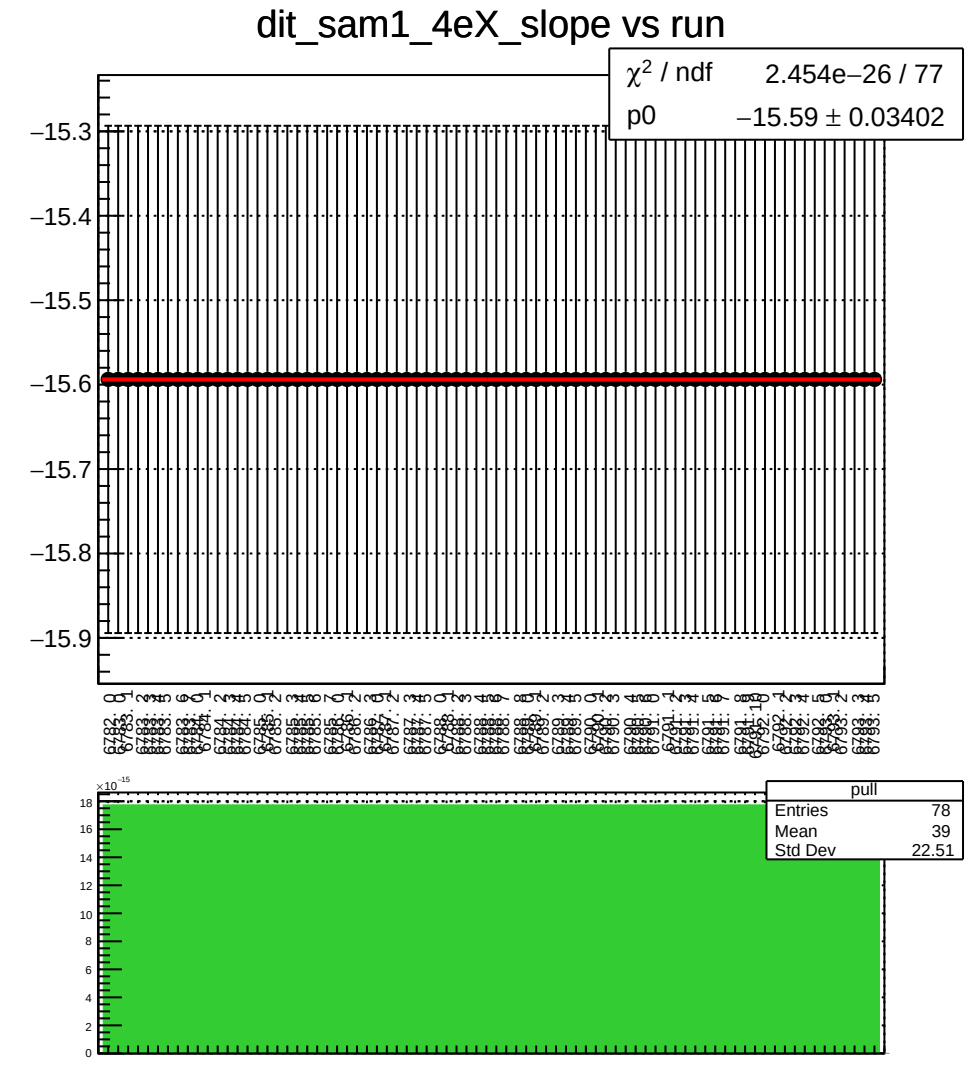

dit_atr2_4aY_slope vs run
χ² / ndf 1.056e−28 / 77
p0 1.138 ± 0.08643
pull
Entries 78
Mean 39
Std Dev 22.51

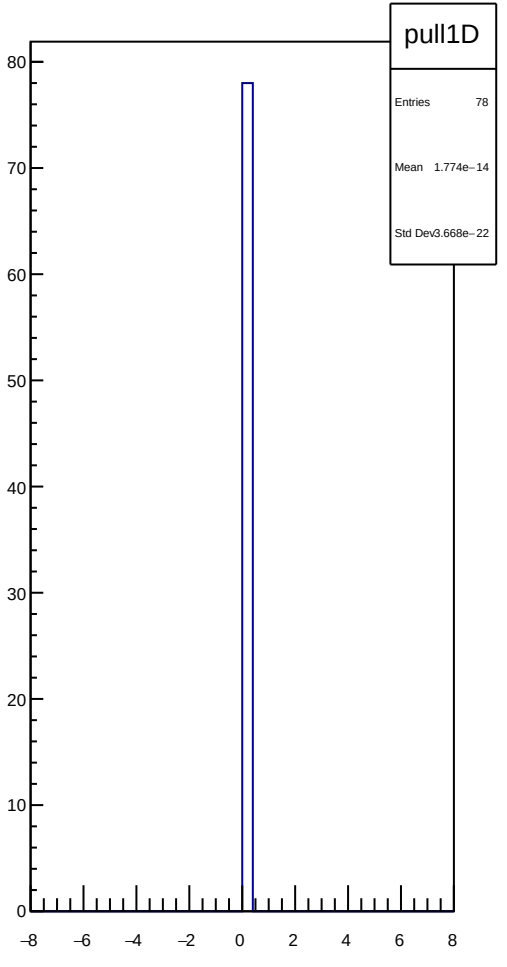

pull1D
Entries 78
Mean −1.164e−15
Std Dev4.185e−23

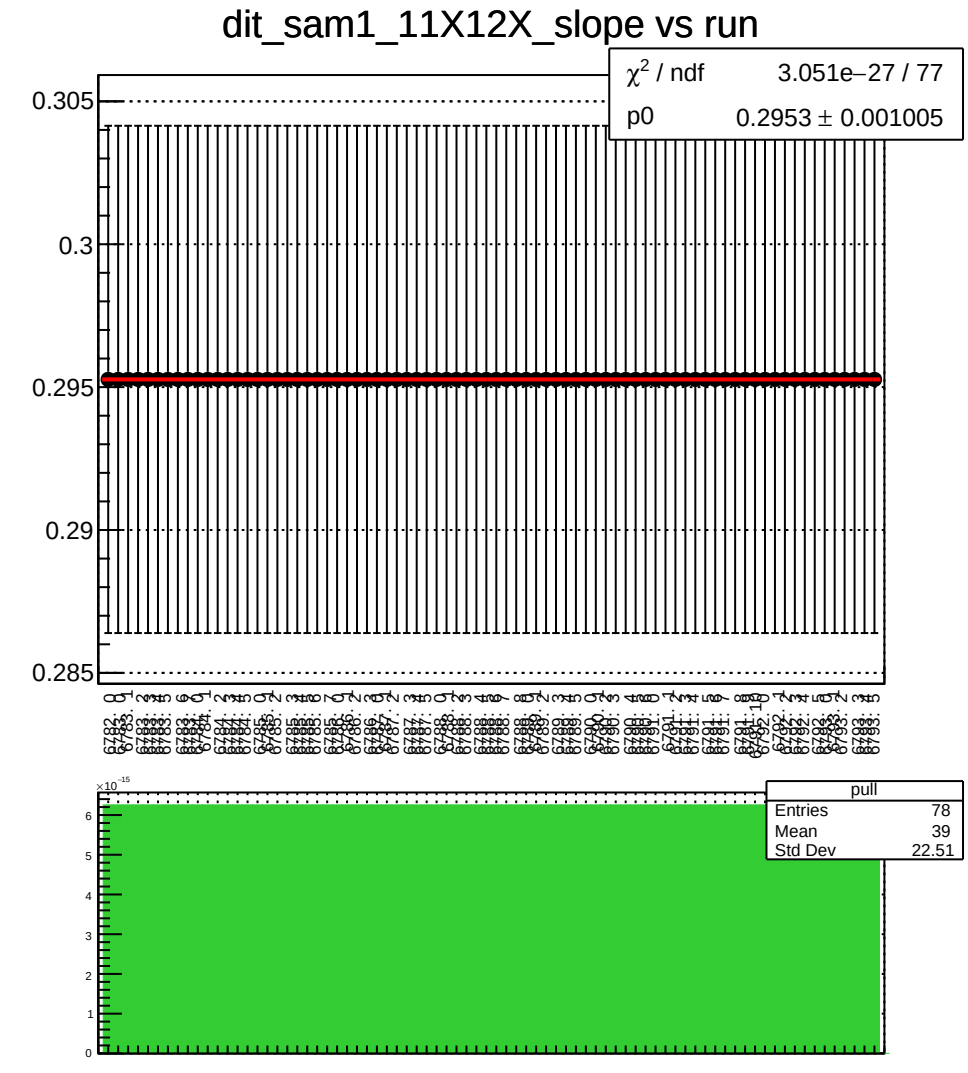

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.372e−25 / 77
p0 118.2 ± 0.1151
119
118.5
118
117.5
117
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 4.194e−14
Std Dev2.241e−21

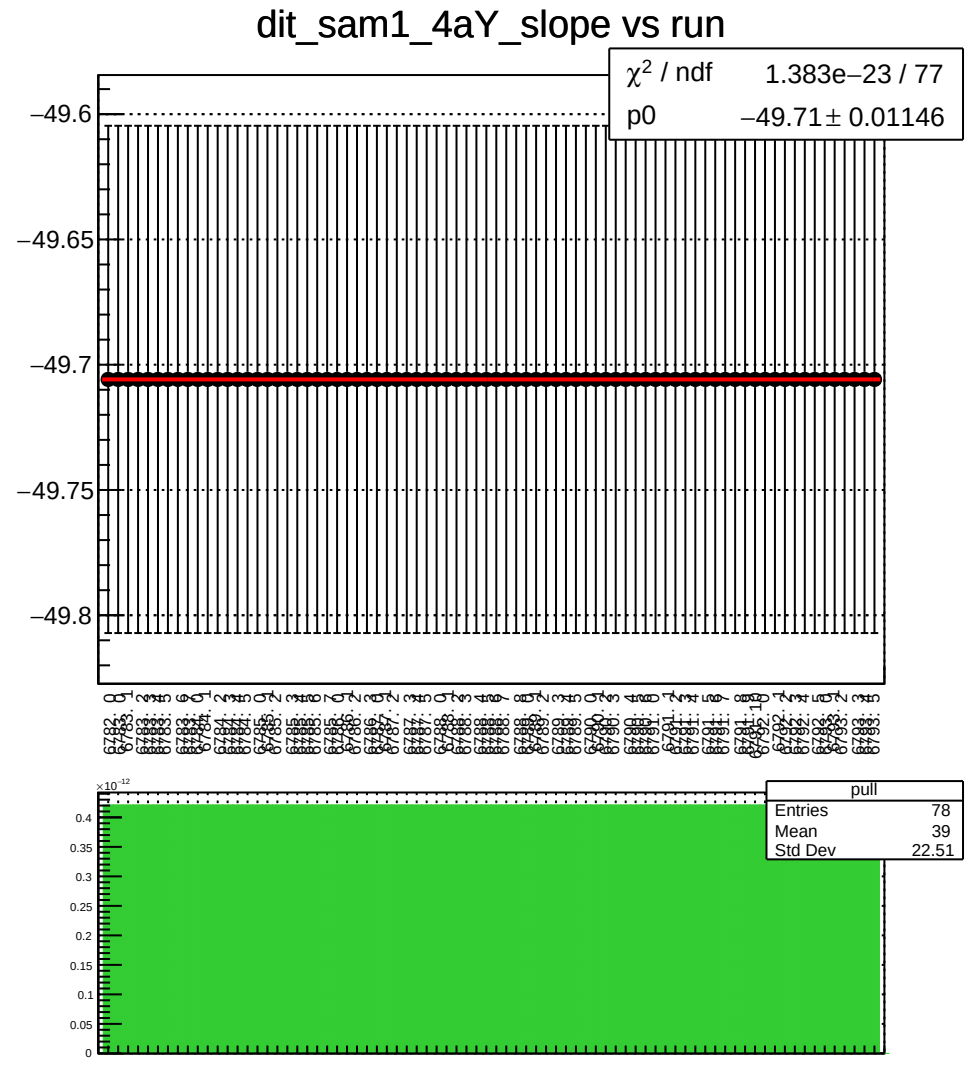

dit_sam1_4aX_slope vs run
χ² / ndf 1.132e−28 / 77
p0 1.923 ± 0.04173
pull
Entries 78
Mean 39
Std Dev 22.51

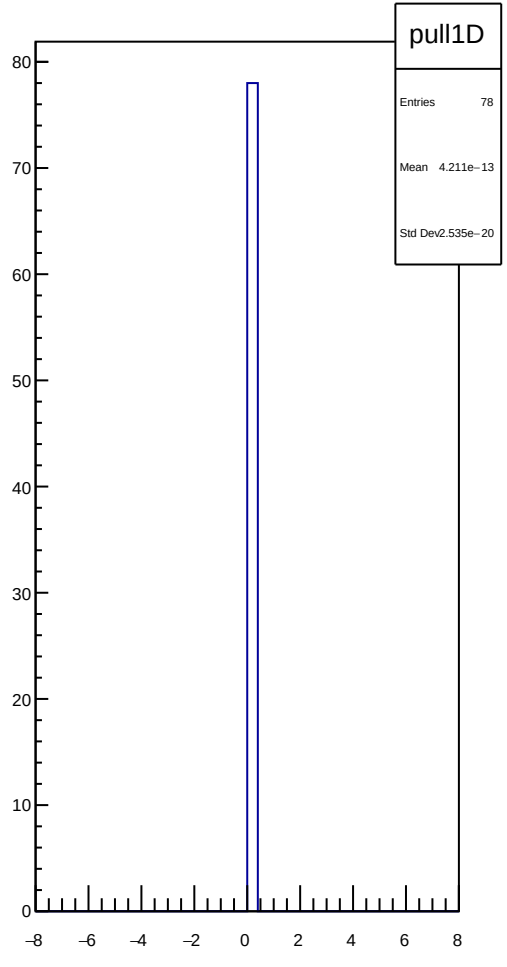

pull1D
Entries 78
Mean 1.205e−15
Std Dev 2.959e−23

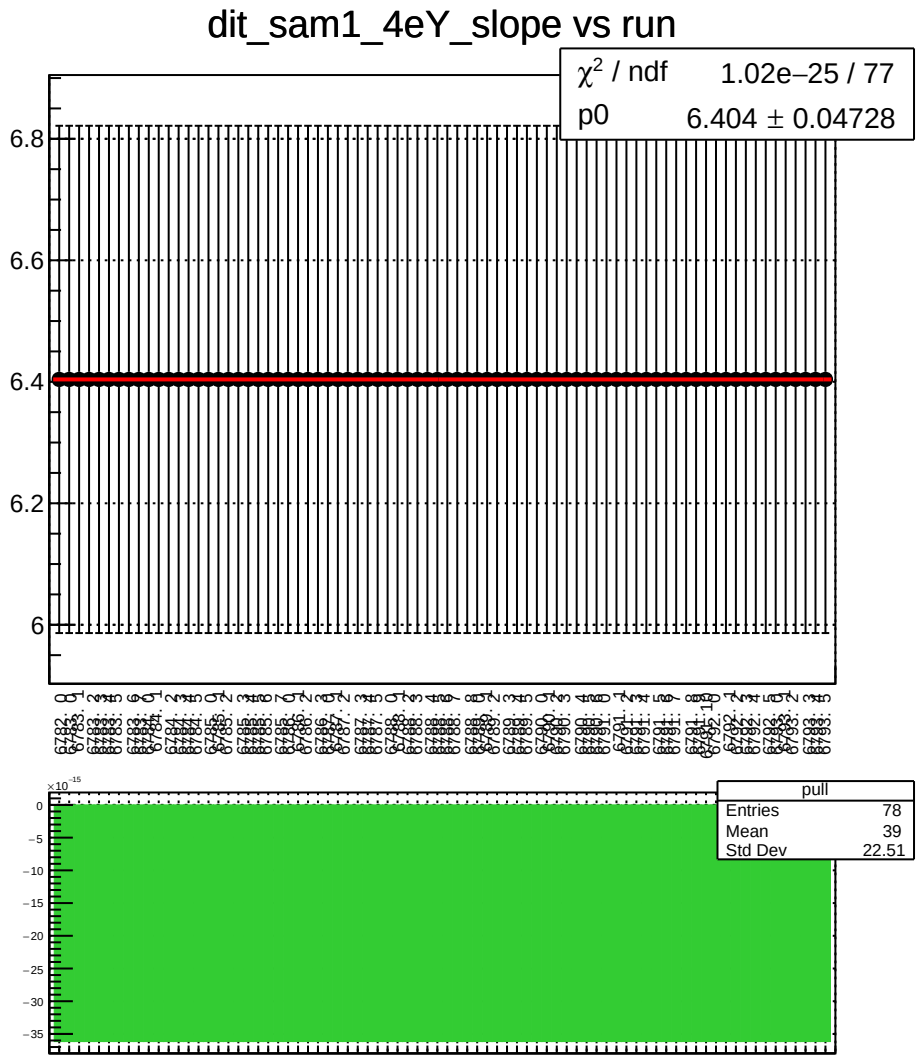

dit_sam1_4eX_slope vs run
χ² / ndf 2.454e−26 / 77
p0 −15.59 ± 0.03402
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵

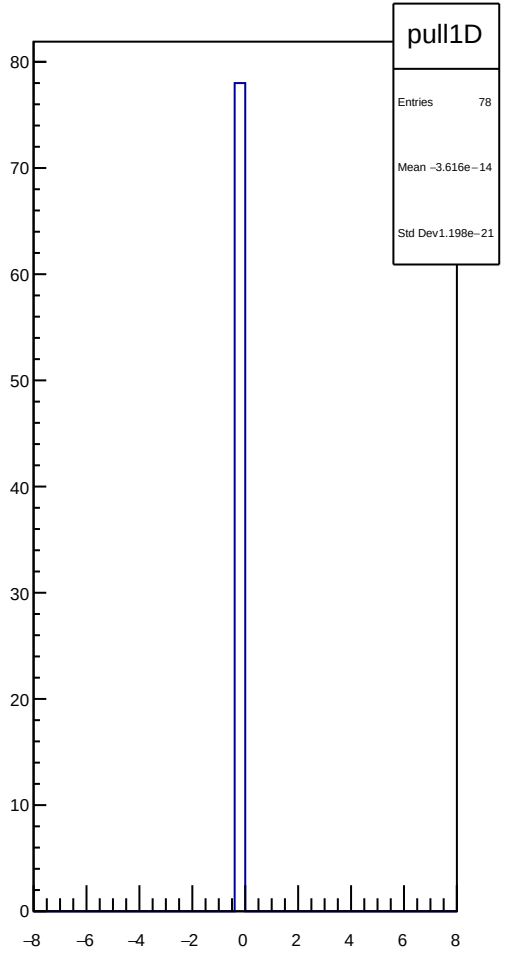

pull1D
Entries 78
Mean 1.774e−14
Std Dev 3.668e−22

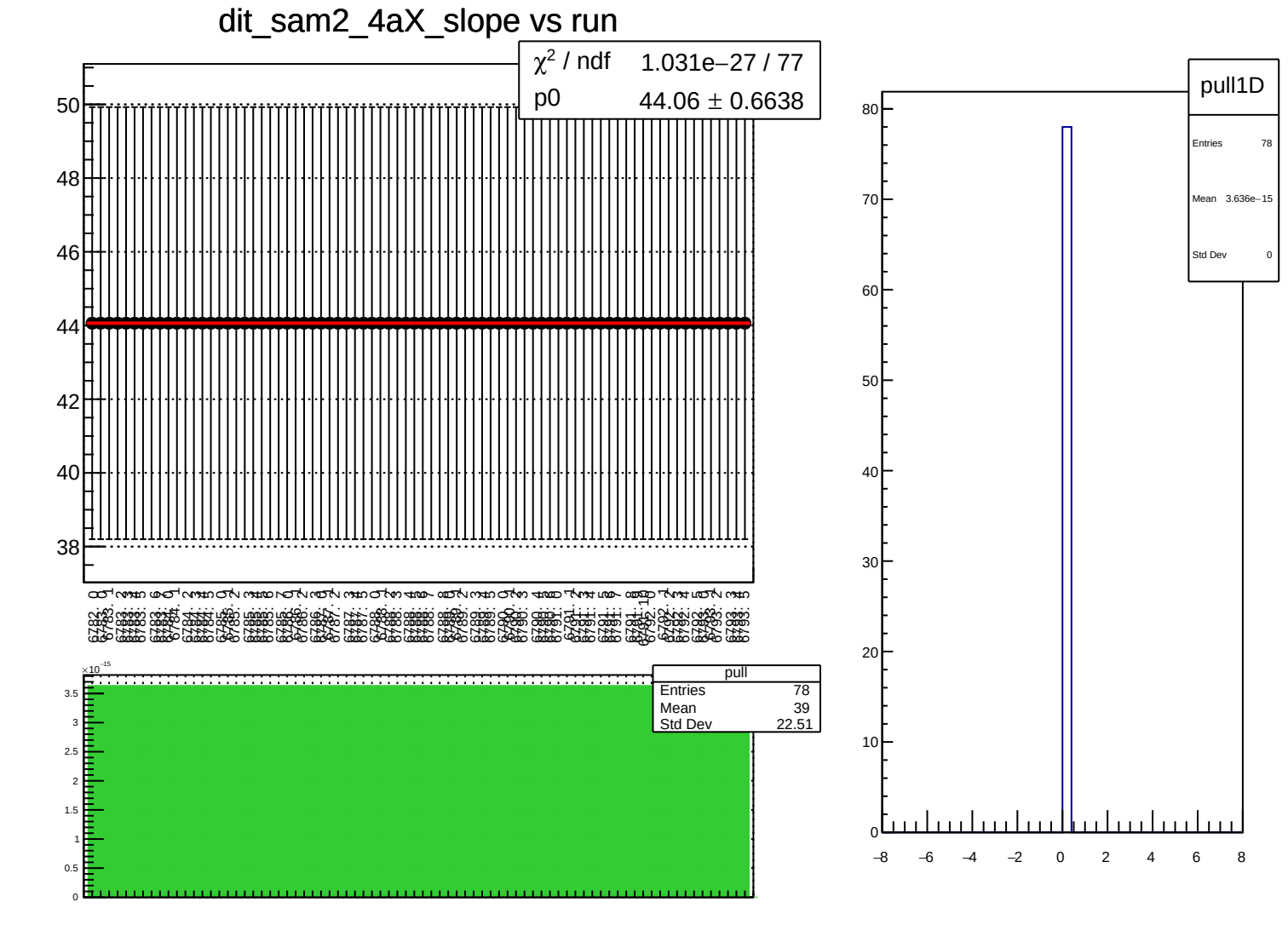

dit_sam1_11X12X_slope vs run
χ² / ndf 3.051e−27 / 77
p0 0.2953 ± 0.001005
0.305
0.3
0.295
0.29
0.285
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 6.254e−15
Std Dev 2.593e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

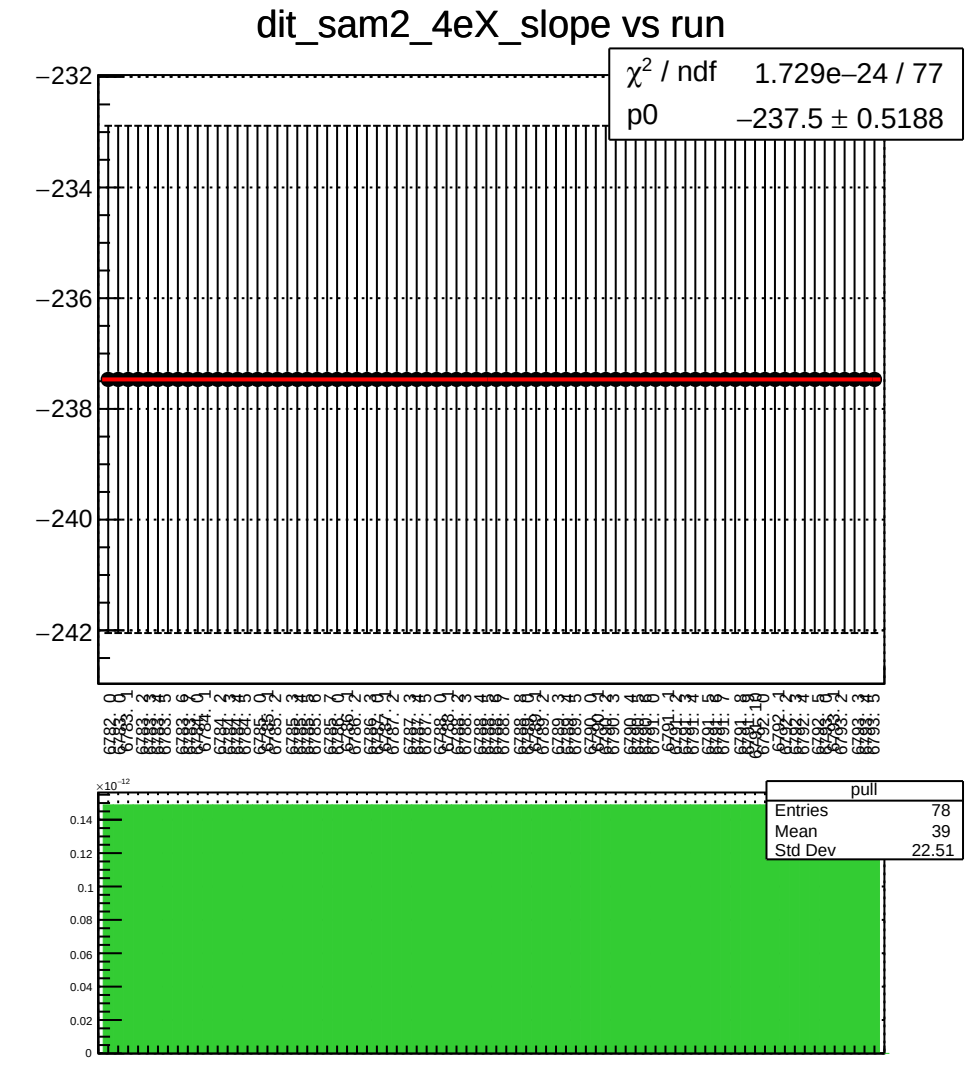

dit_sam1_4aY_slope vs run
χ² / ndf 1.383e−23 / 77
p0 −49.71 ± 0.01146
−49.6
−49.65
−49.7
−49.75
−49.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

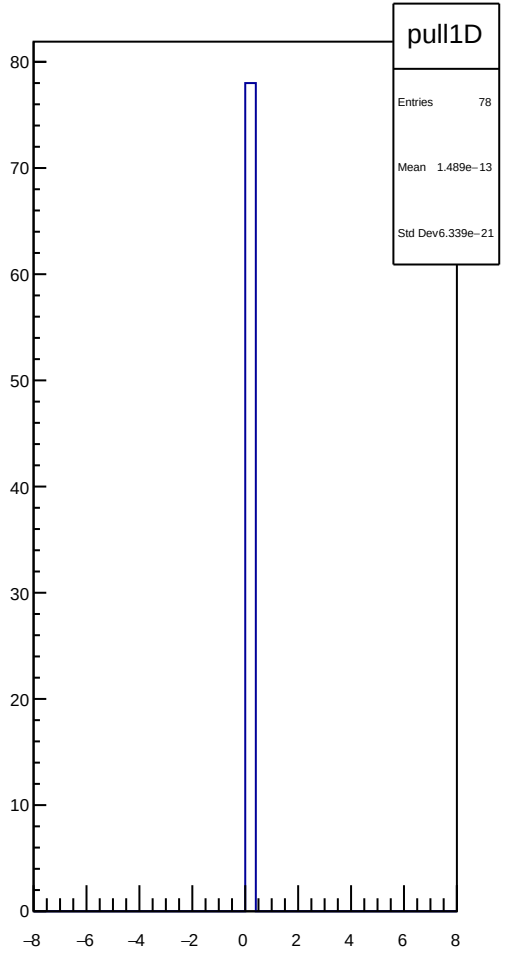

pull1D
Entries 78
Mean 4.211e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

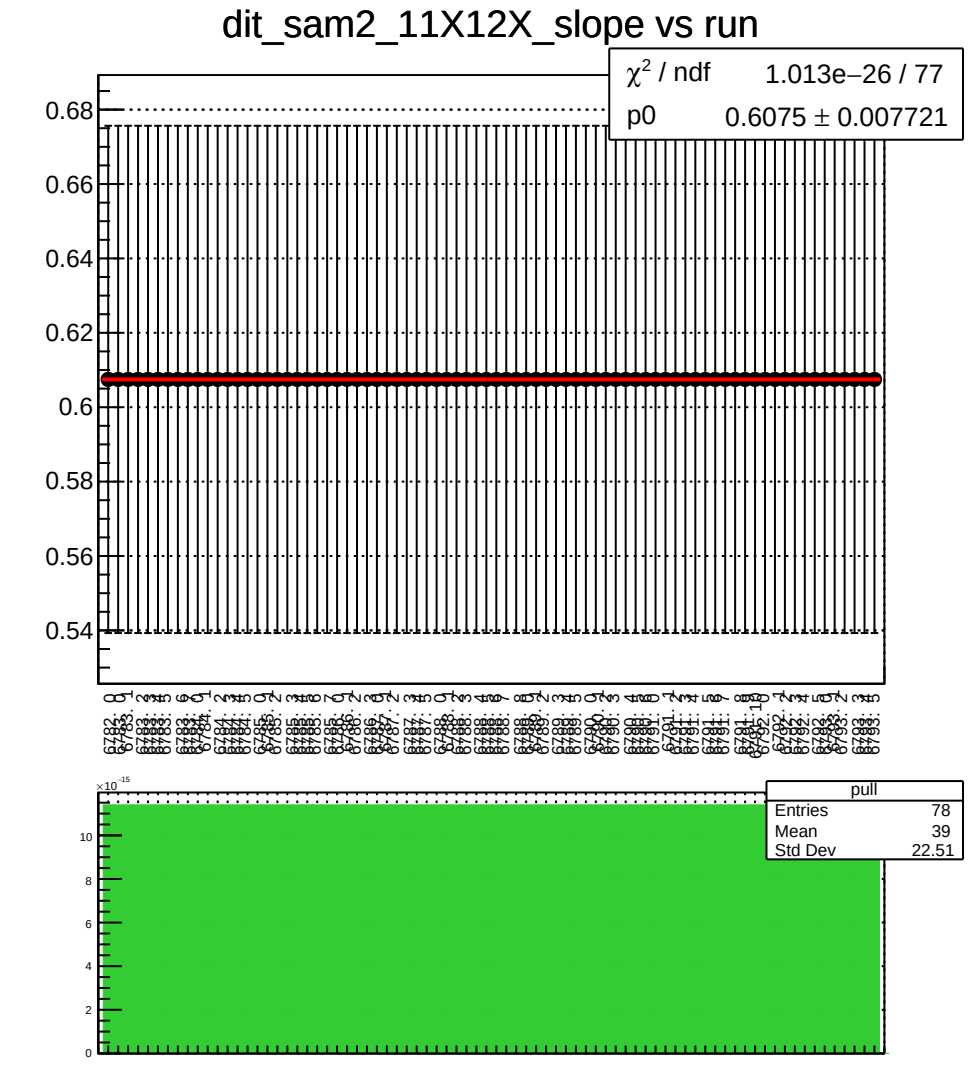

dit_sam1_4eY_slope vs run
χ² / ndf 1.02e−25 / 77
p0 6.404 ± 0.04728
6.8
6.6
6.4
6.2
6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

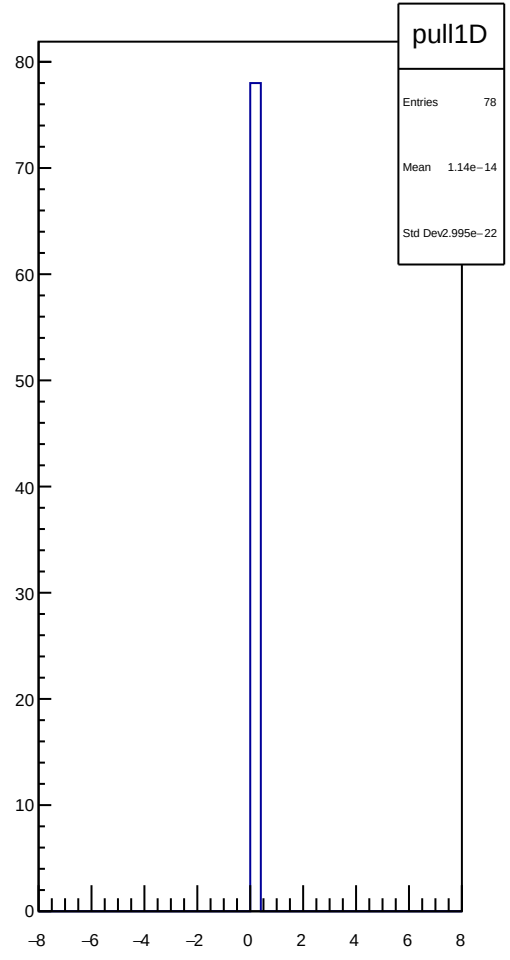

pull1D
Entries 78
Mean −3.616e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

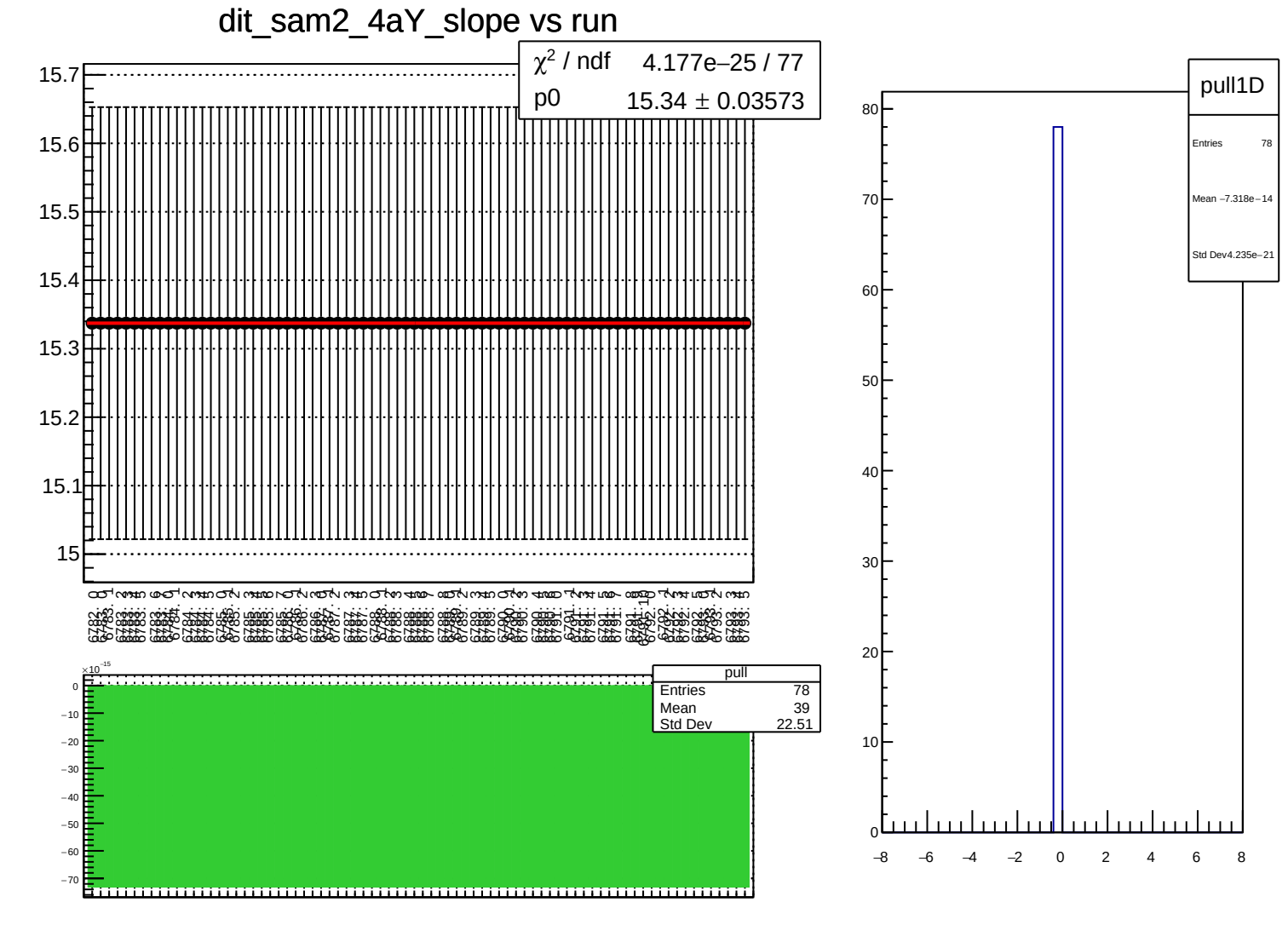

dit_sam2_4aX_slope vs run
χ^2 / ndf 1.031e−27 / 77
p0 44.06 ± 0.6638
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.636e−15
Std Dev 0

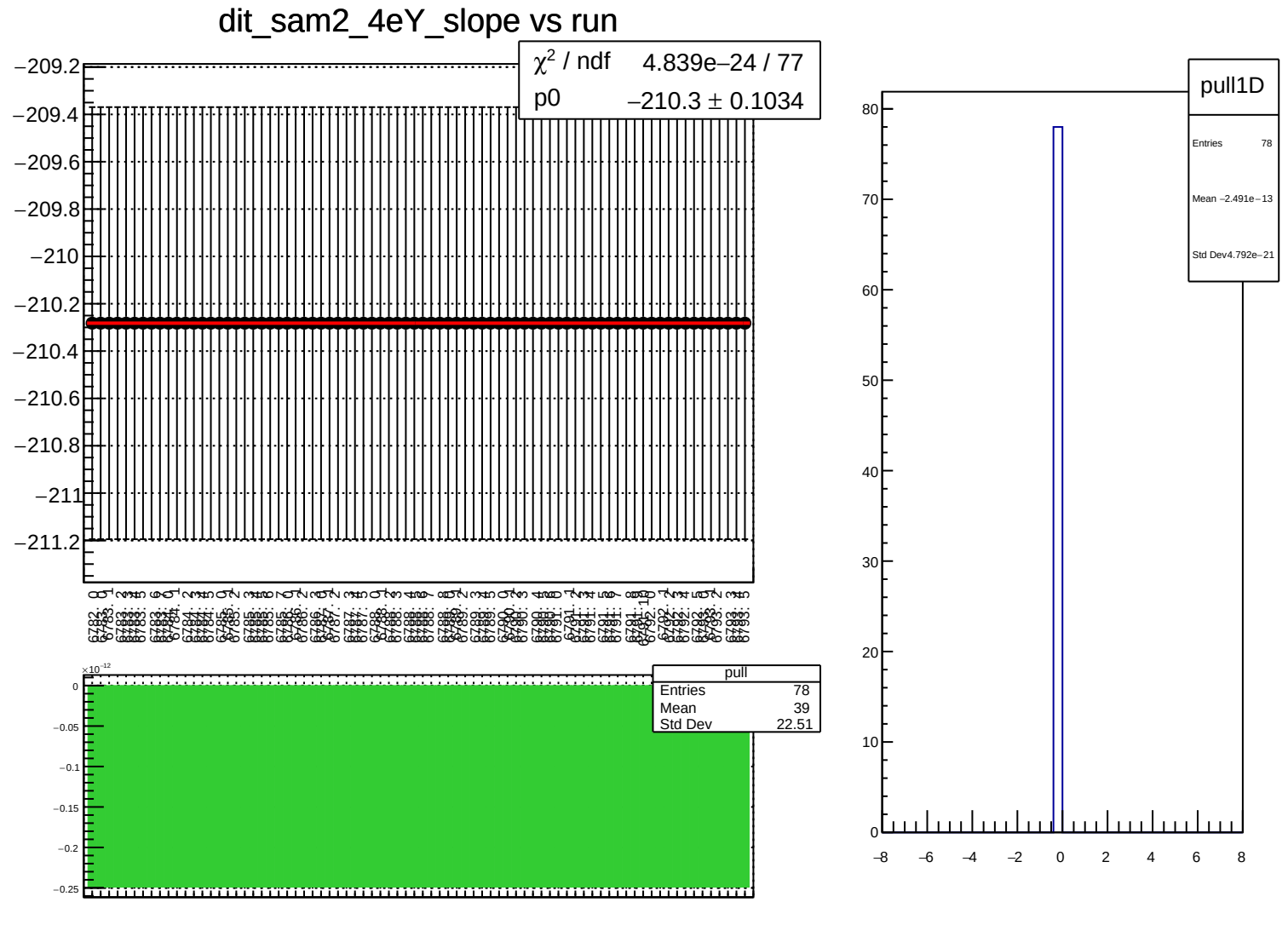

dit_sam2_4eX_slope vs run
χ² / ndf 1.729e−24 / 77
p0 −237.5 ± 0.5188
−232
−234
−236
−238
−240
−242
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

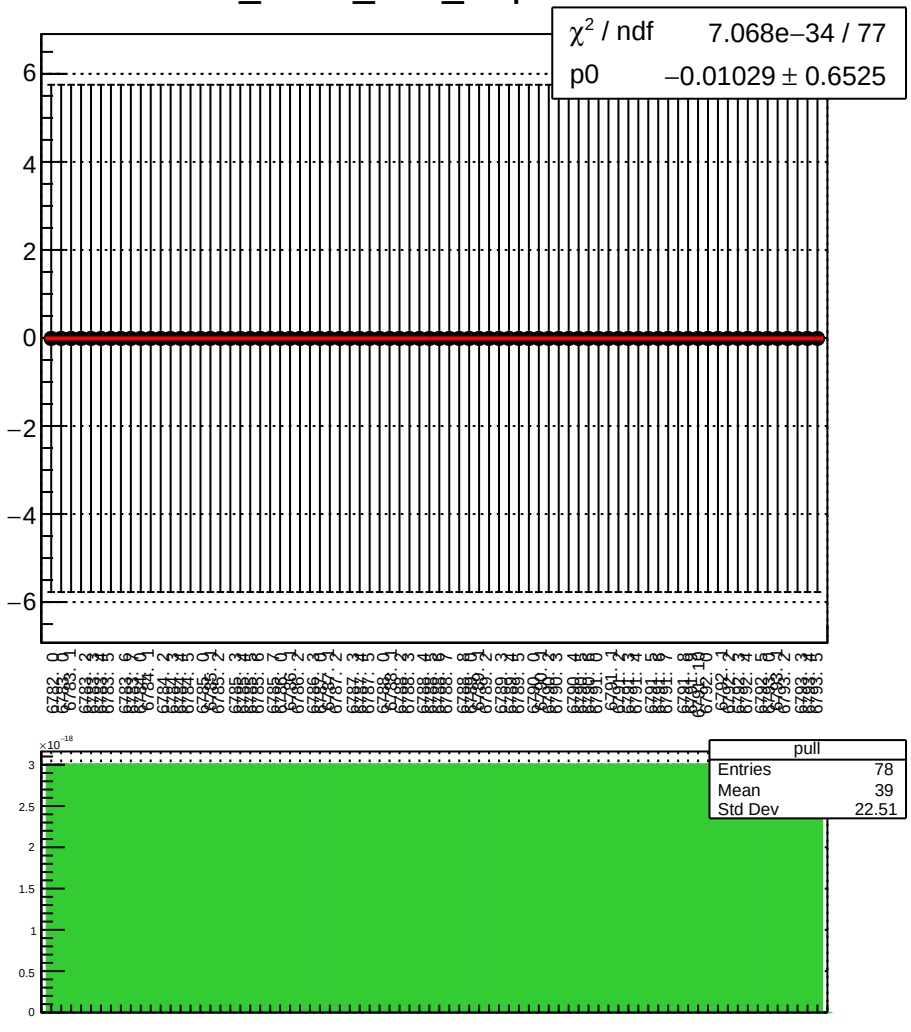

pull1D
Entries 78
Mean 1.489e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

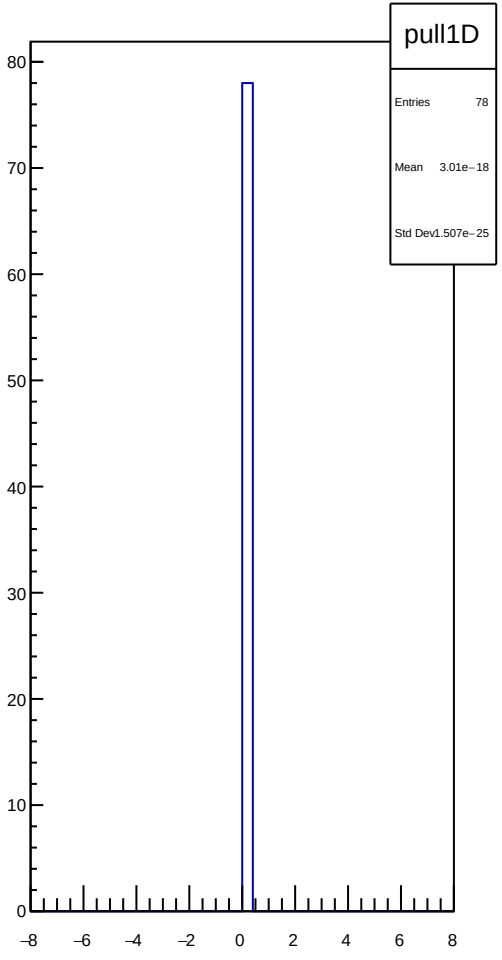

dit_sam2_11X12X_slope vs run
χ² / ndf 1.013e−26 / 77
p0 0.6075 ± 0.007721
pull
Entries 78
Mean 39
Std Dev 22.51

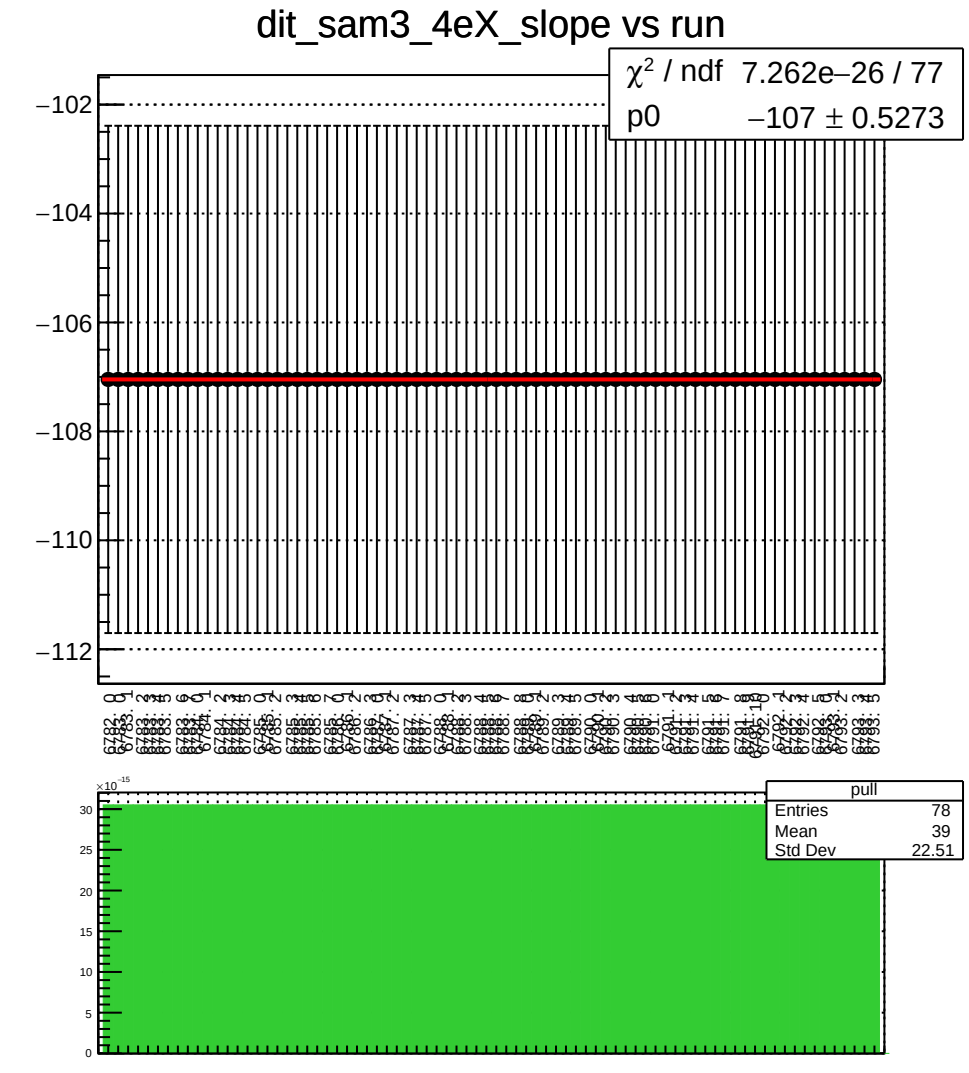

pull1D
Entries 78
Mean 1.14e−14
Std Dev 2.995e−22

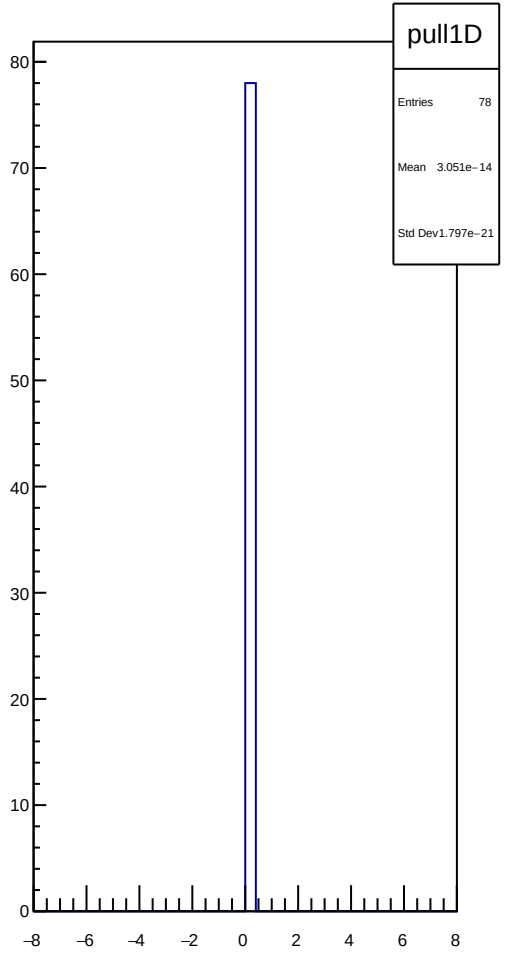

dit_sam2_4aY_slope vs run
χ² / ndf 4.177e−25 / 77
p0 15.34 ± 0.03573
15.7
15.6
15.5
15.4
15.3
15.2
15.1
15
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 78
Mean −7.318e−14
Std Dev4.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

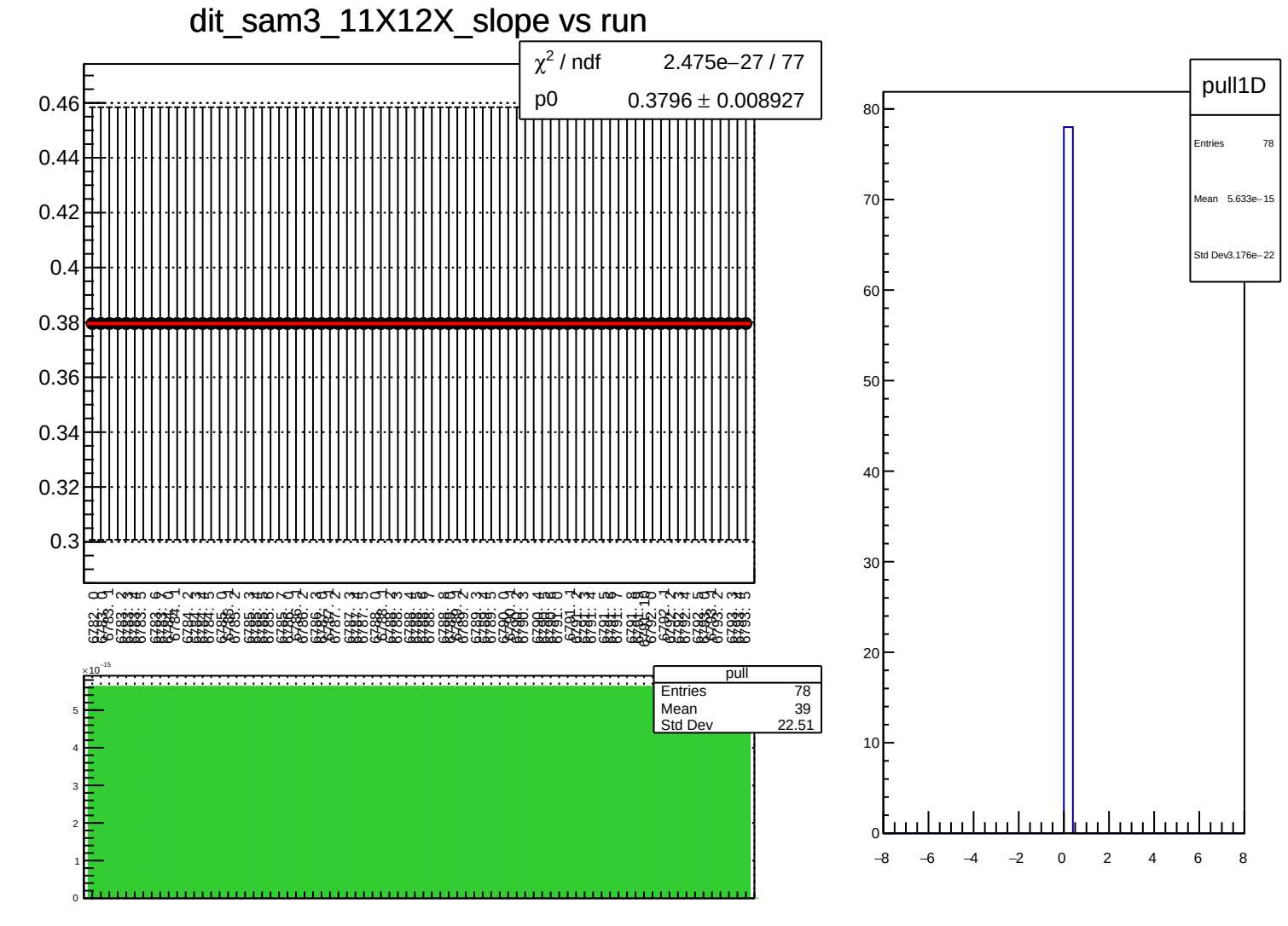

dit_sam2_4eY_slope vs run
χ² / ndf 4.839e−24 / 77
p0 −210.3 ± 0.1034
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −2.491e−13
Std Dev4.792e−21

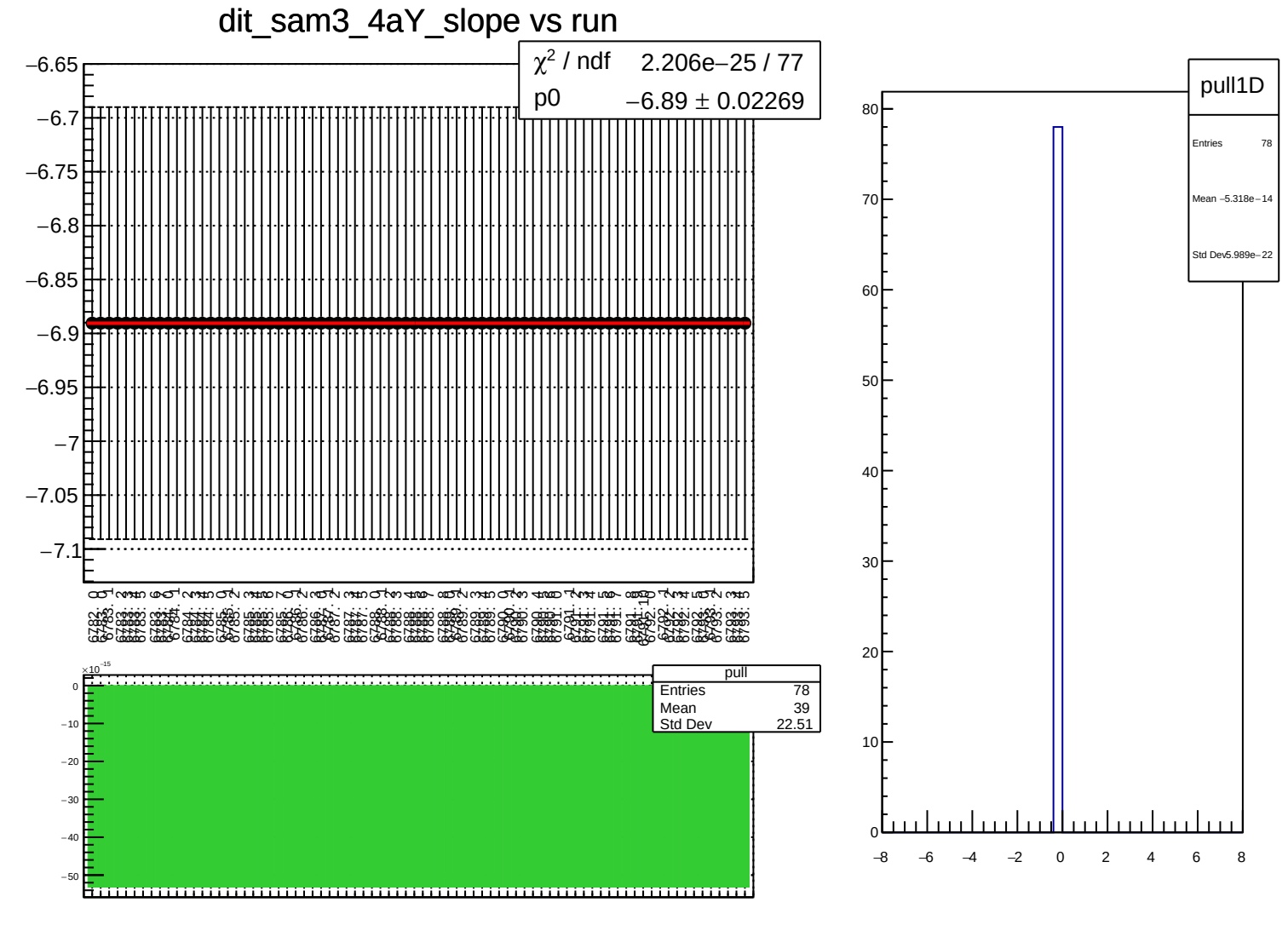

dit_sam3_4aX_slope vs run
χ² / ndf 7.068e−34 / 77
p0 −0.01029 ± 0.6525
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁸

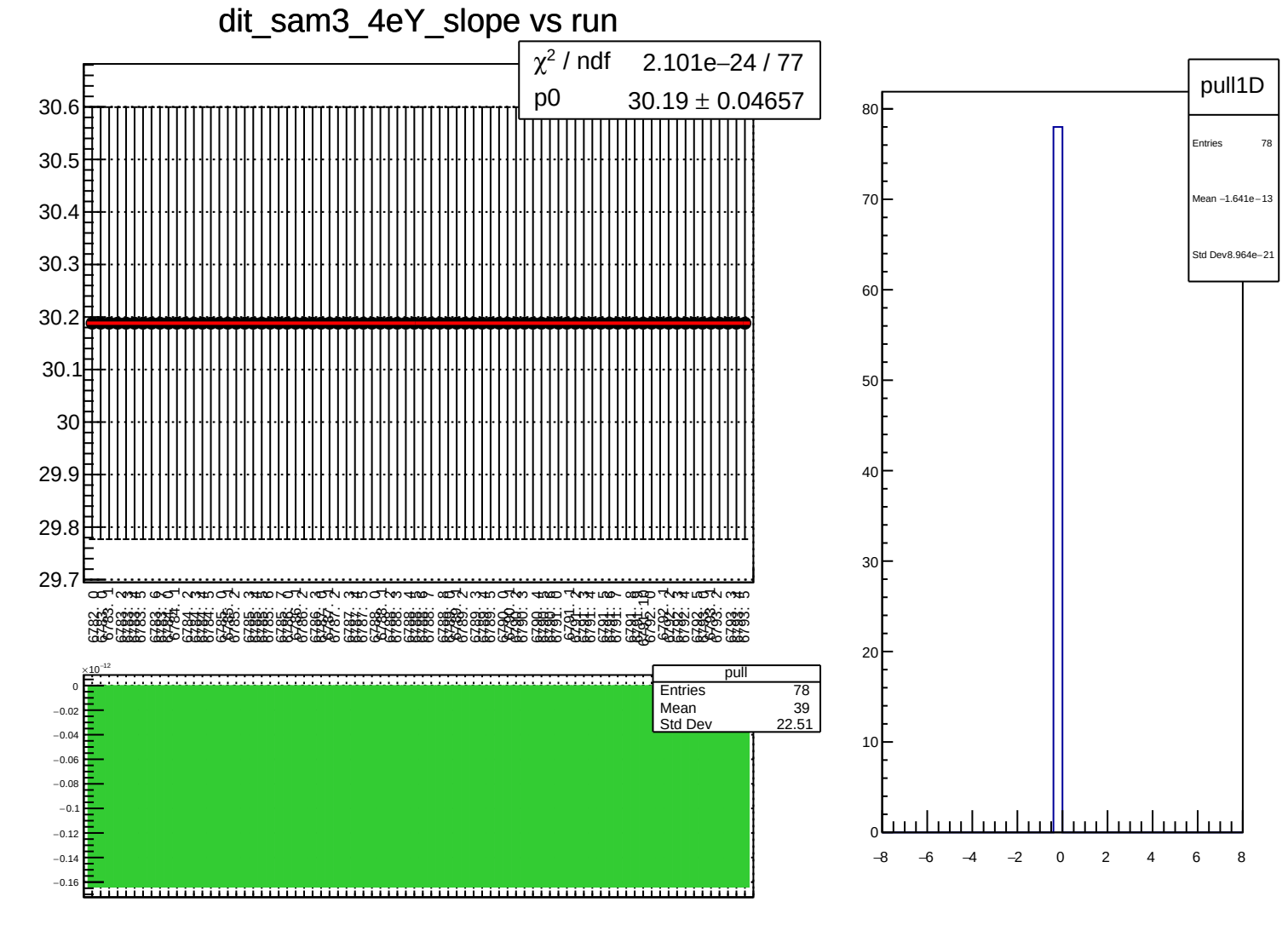

pull1D
Entries 78
Mean 3.01e−18
Std Dev1.507e−25

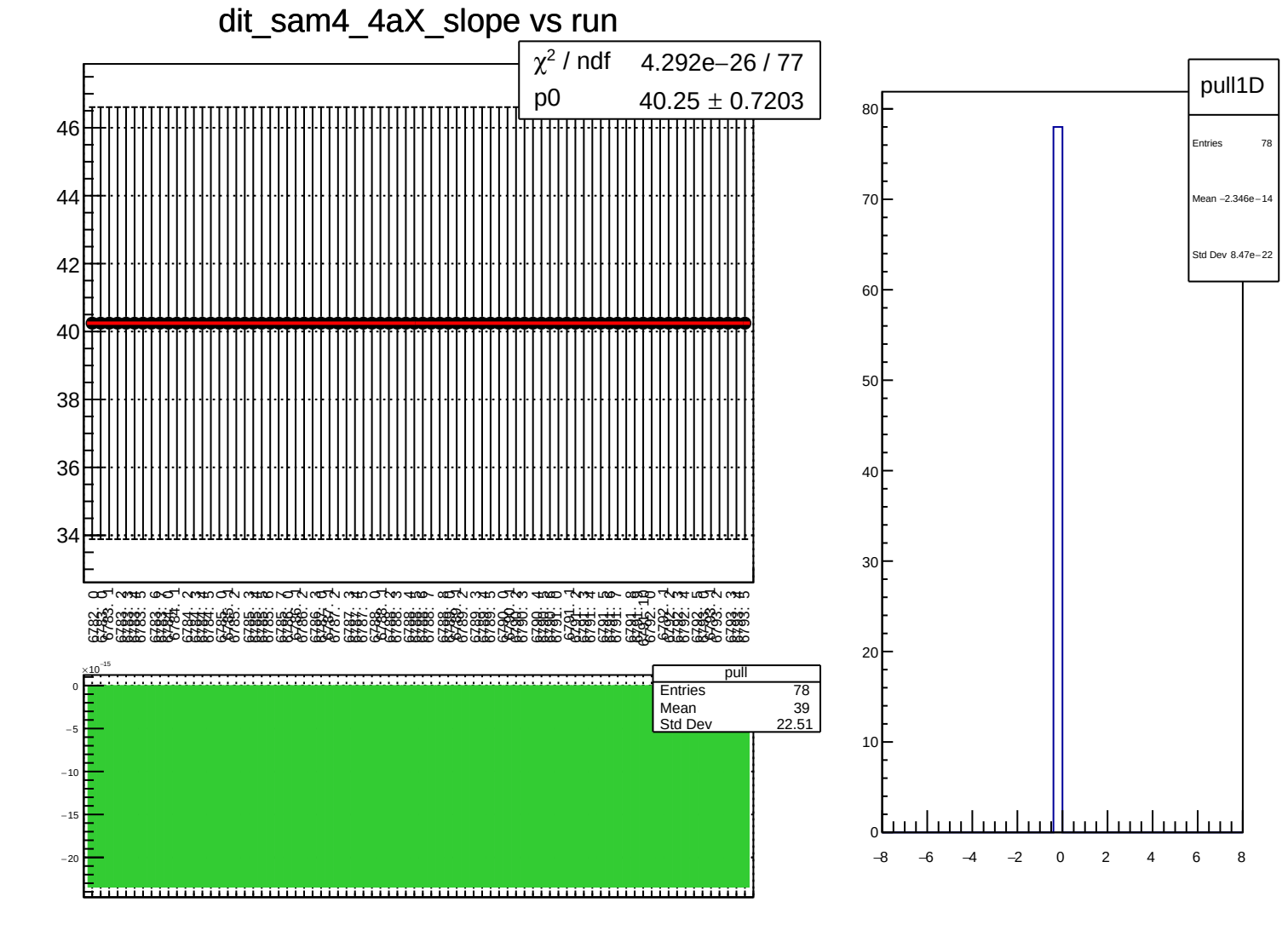

dit_sam3_4eX_slope vs run
χ² / ndf 7.262e−26 / 77
p0 −107 ± 0.5273
−102
−104
−106
−108
−110
−112
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
30
25
20
15
10
5
0

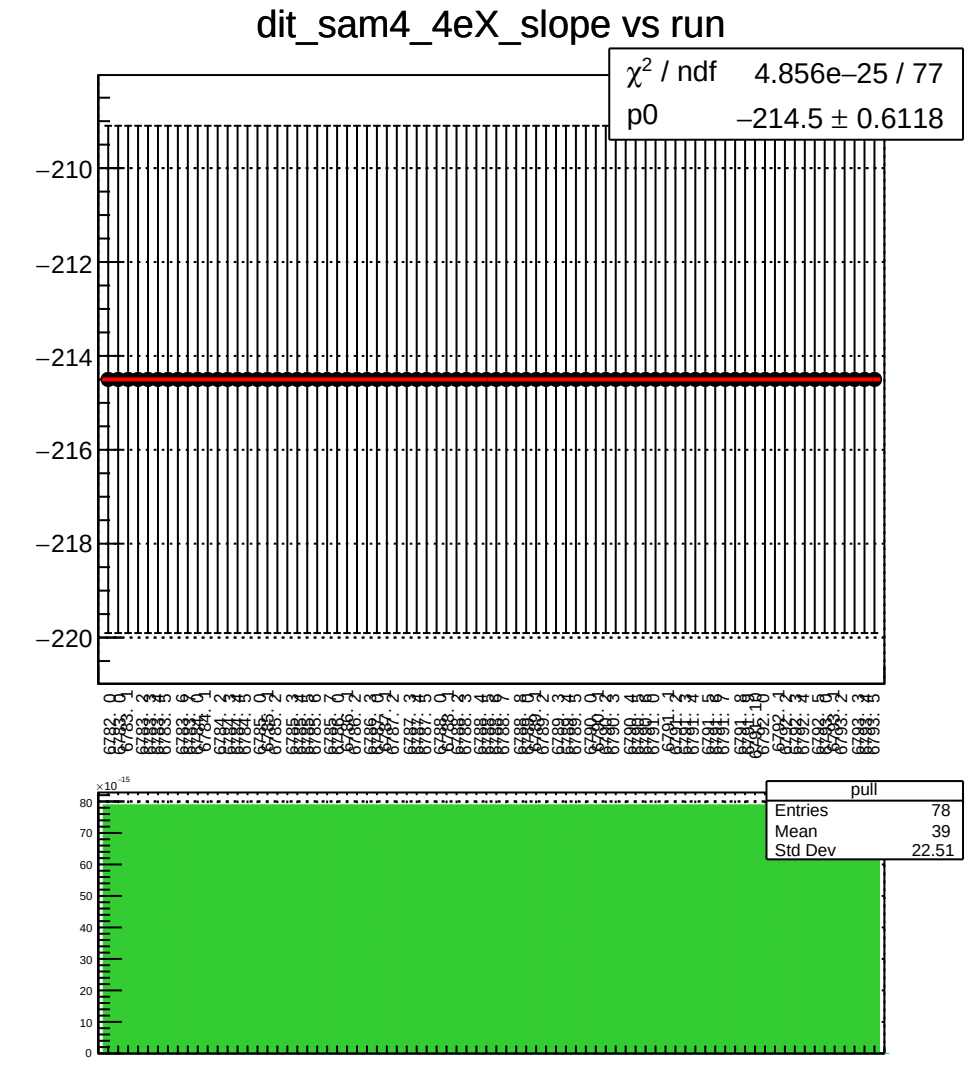

pull1D
Entries 78
Mean 3.051e−14
Std Dev1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

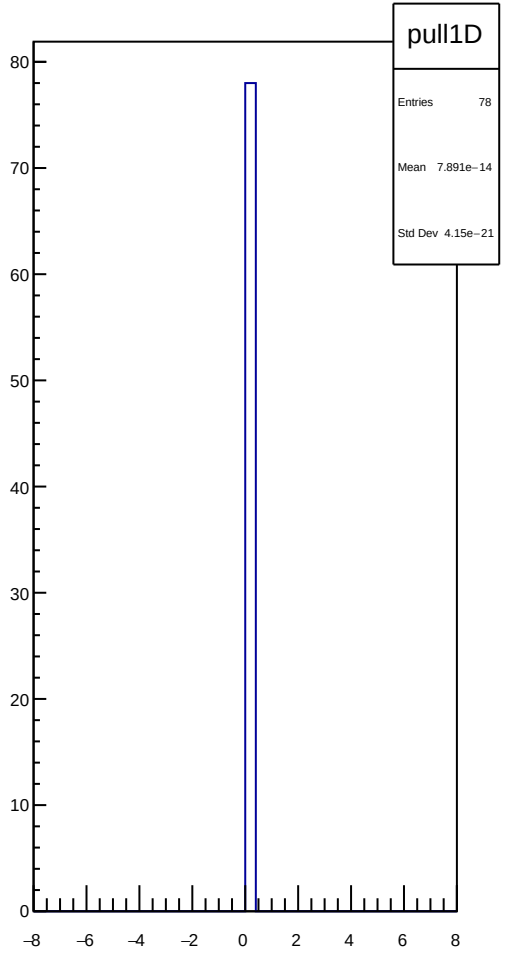

dit_sam3_11X12X_slope vs run
χ² / ndf 2.475e−27 / 77
p0 0.3796 ± 0.008927
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 5.633e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

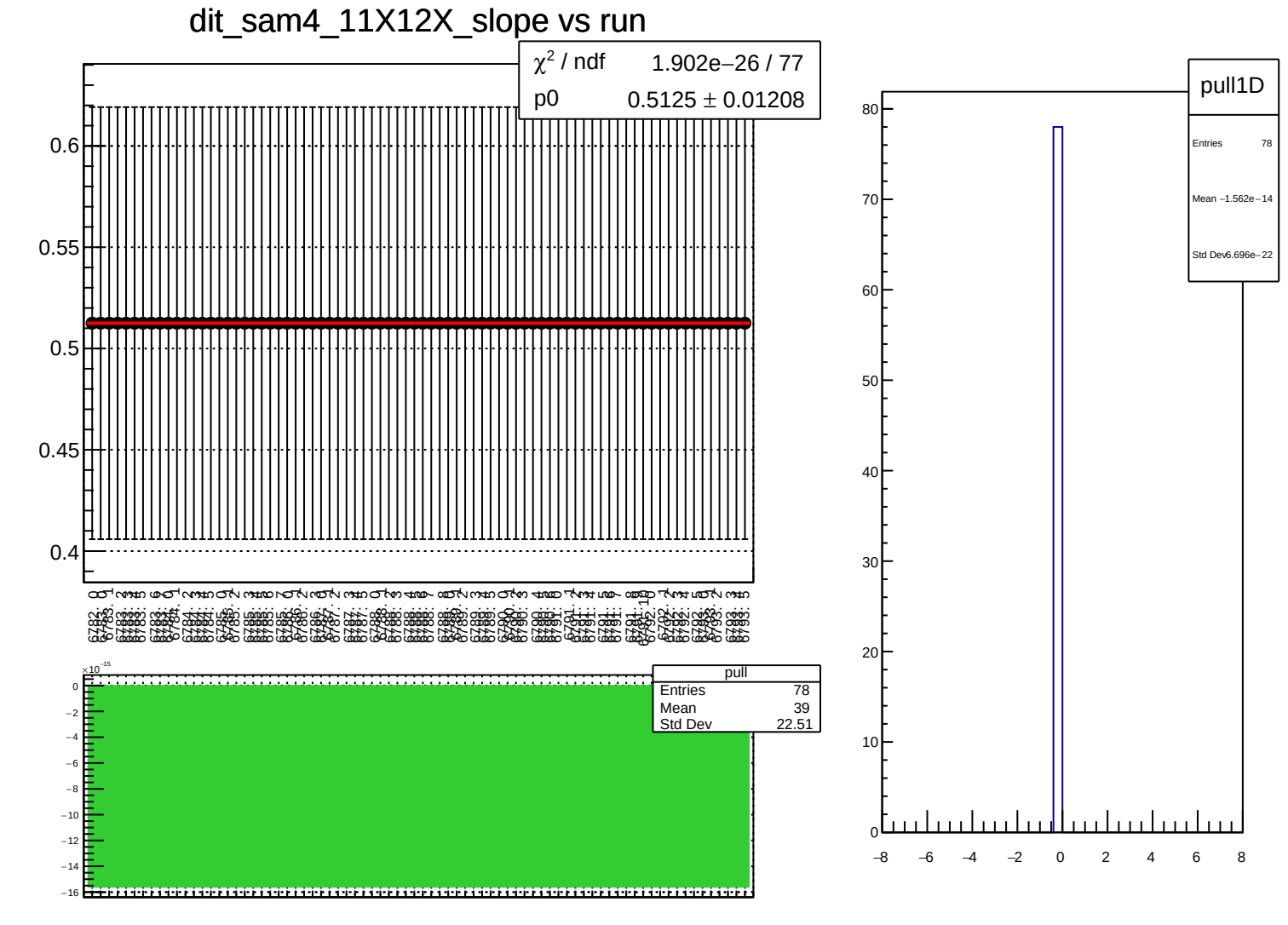

dit_sam3_4aY_slope vs run
χ² / ndf 2.206e−25 / 77
p0 −6.89 ± 0.02269
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −5.318e−14
Std Dev 5.989e−22

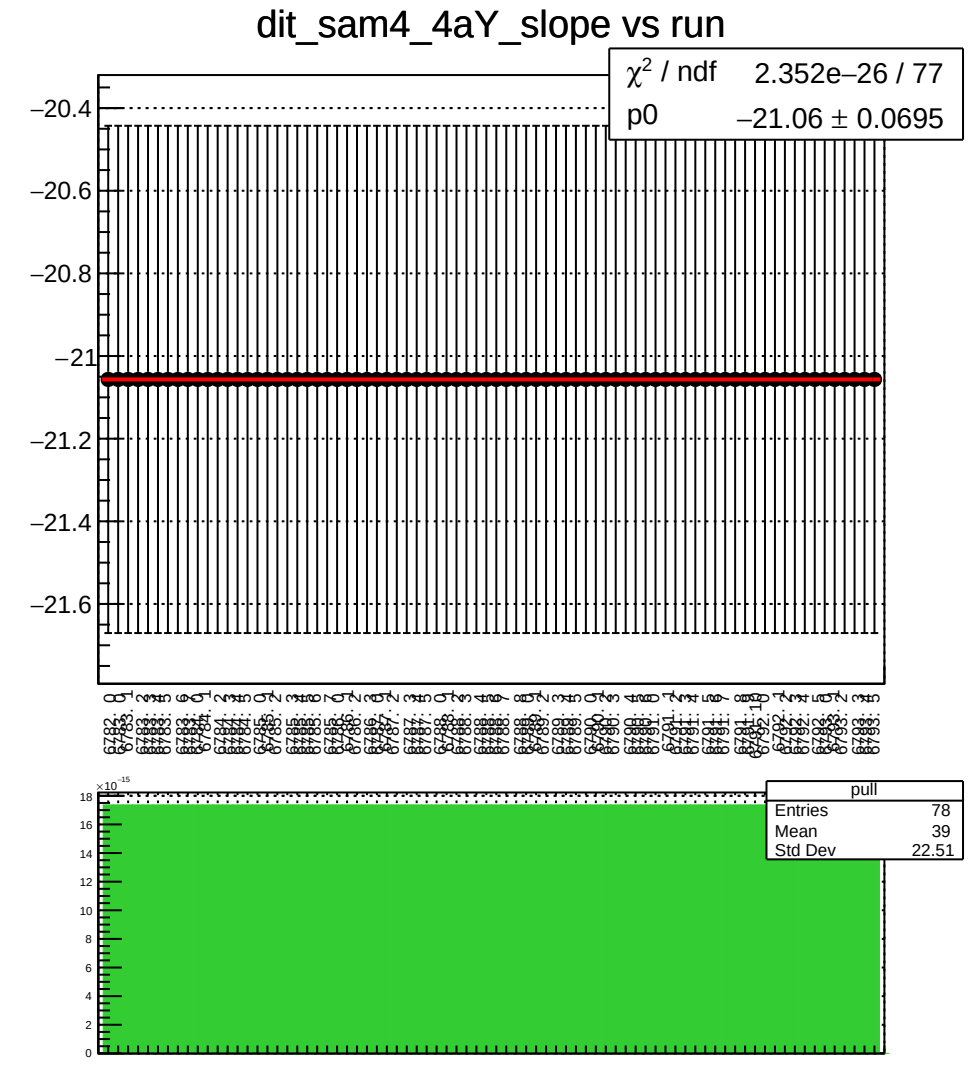

dit_sam3_4eY_slope vs run
χ^2 / ndf 2.101e−24 / 77
p0 30.19 ± 0.04657
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −1.641e−13
Std Dev8.964e−21

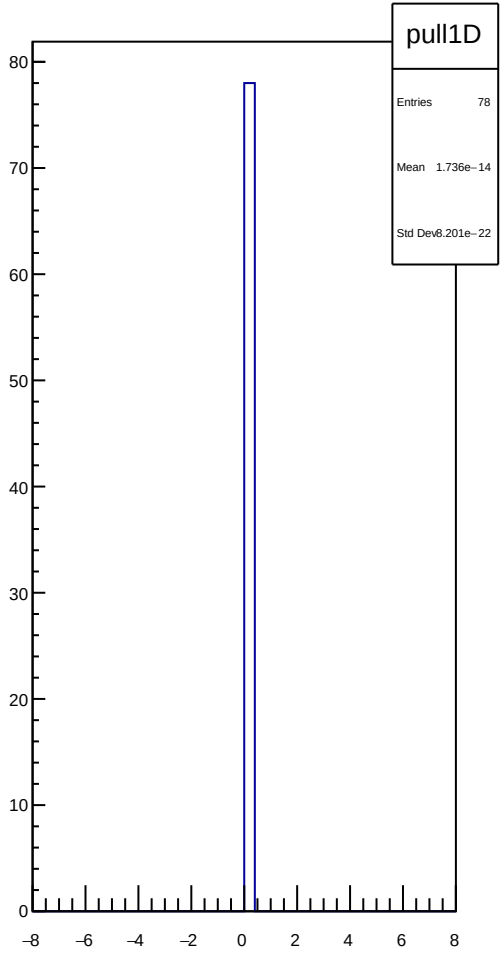

dit_sam4_4aX_slope vs run
χ² / ndf 4.292e−26 / 77
p0 40.25 ± 0.7203
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −2.346e−14
Std Dev 8.47e−22

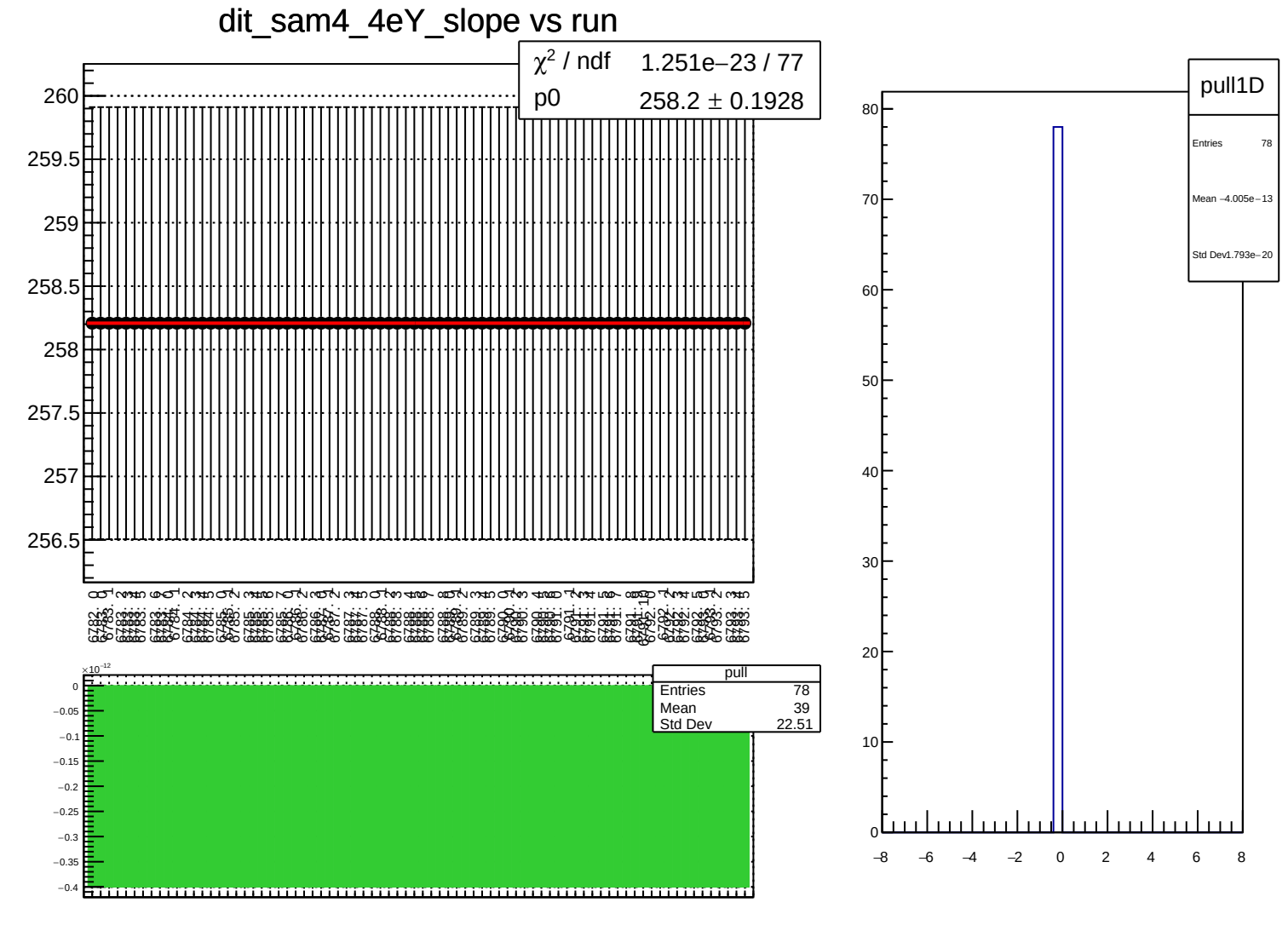

dit_sam4_4eX_slope vs run
χ² / ndf 4.856e−25 / 77
p0 −214.5 ± 0.6118
−210
−212
−214
−216
−218
−220
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

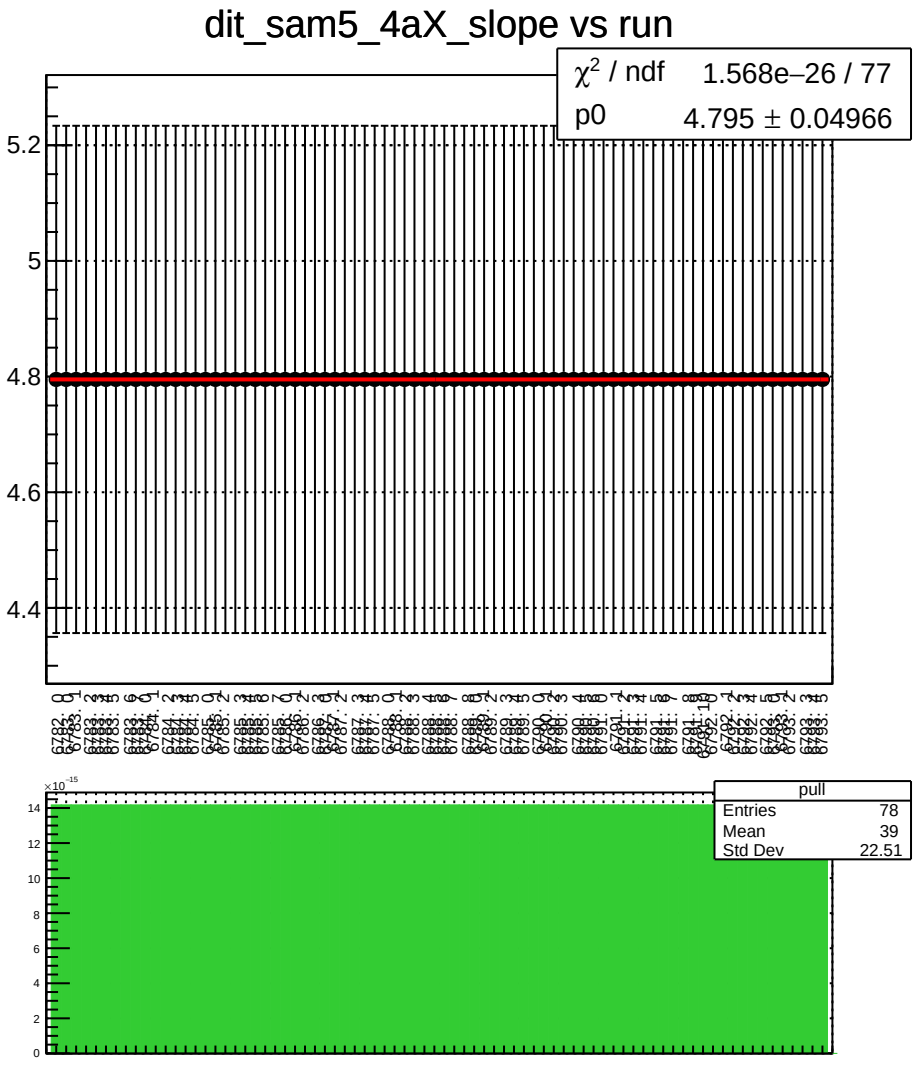

pull1D
Entries 78
Mean 7.891e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

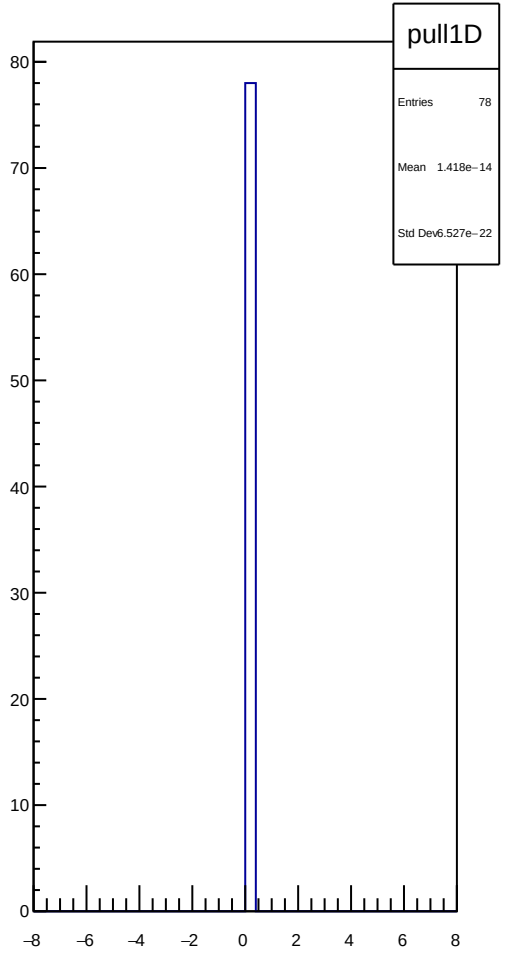

dit_sam4_11X12X_slope vs run
χ² / ndf 1.902e−26 / 77
p0 0.5125 ± 0.01208
0.6
0.55
0.5
0.45
0.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 78
Mean −1.562e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

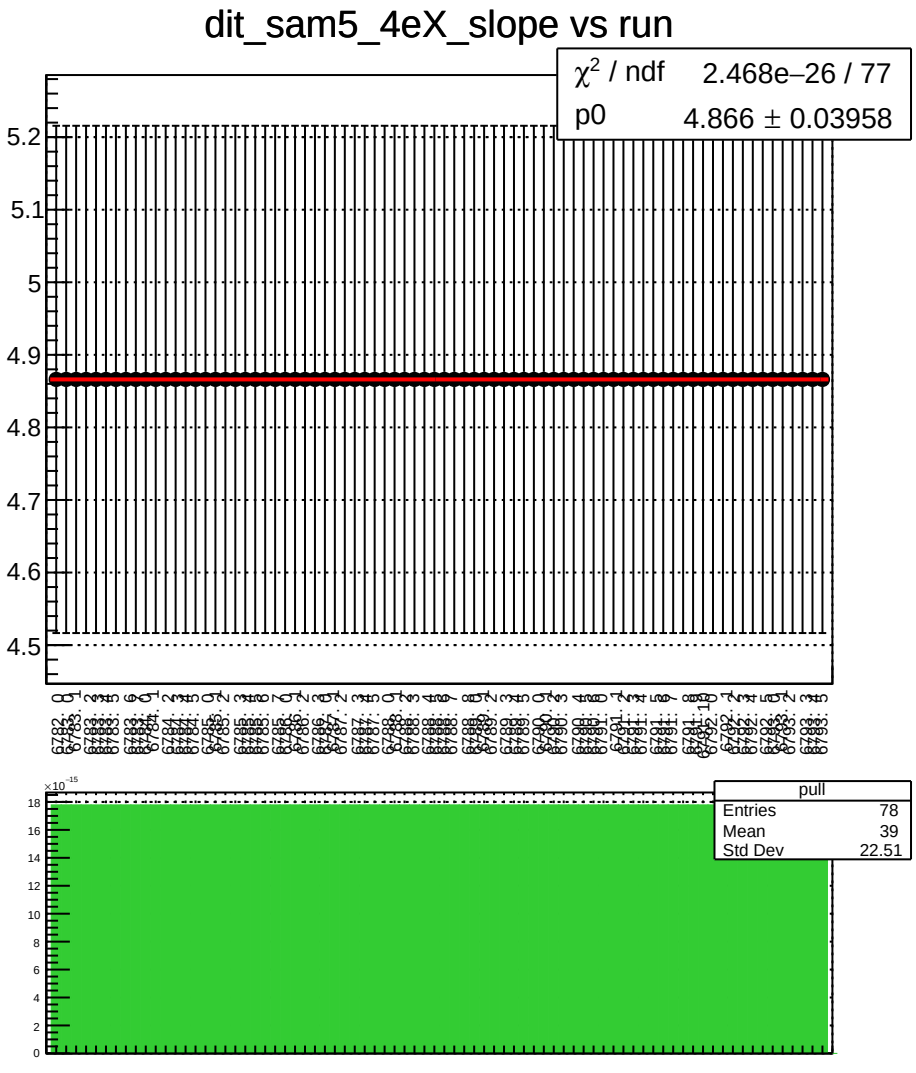

dit_sam4_4aY_slope vs run
χ² / ndf 2.352e−26 / 77
p0 −21.06 ± 0.0695
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

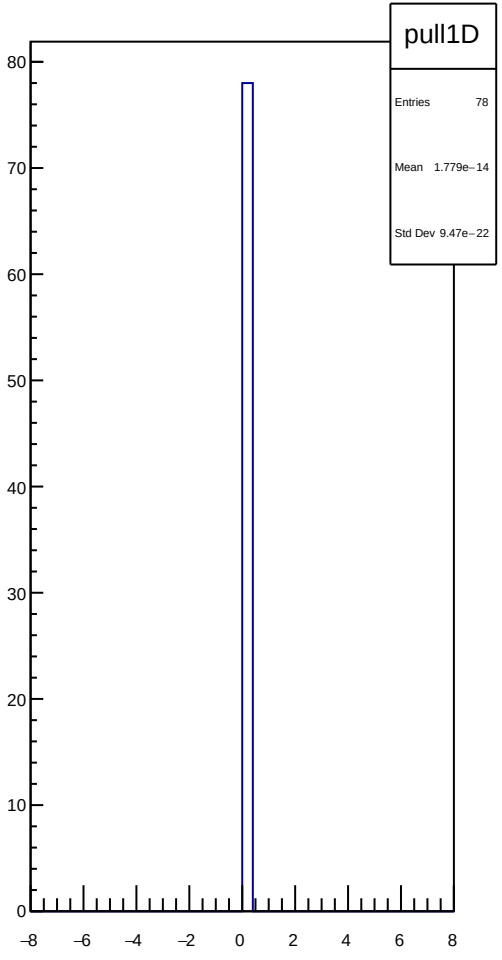

pull1D
Entries 78
Mean 1.736e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

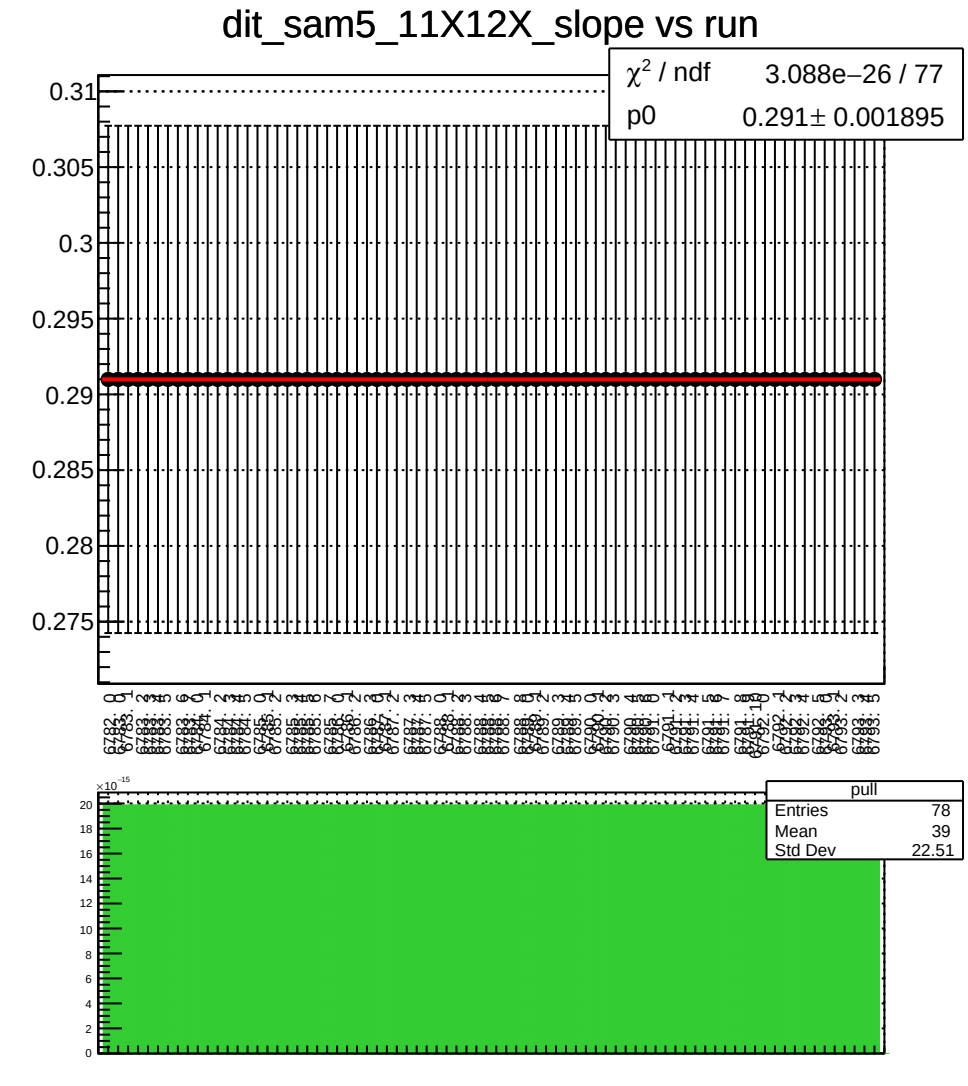

dit_sam4_4eY_slope vs run
χ² / ndf 1.251e−23 / 77
p0 258.2 ± 0.1928
260
259.5
259
258.5
258
257.5
257
256.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 78
Mean −4.005e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

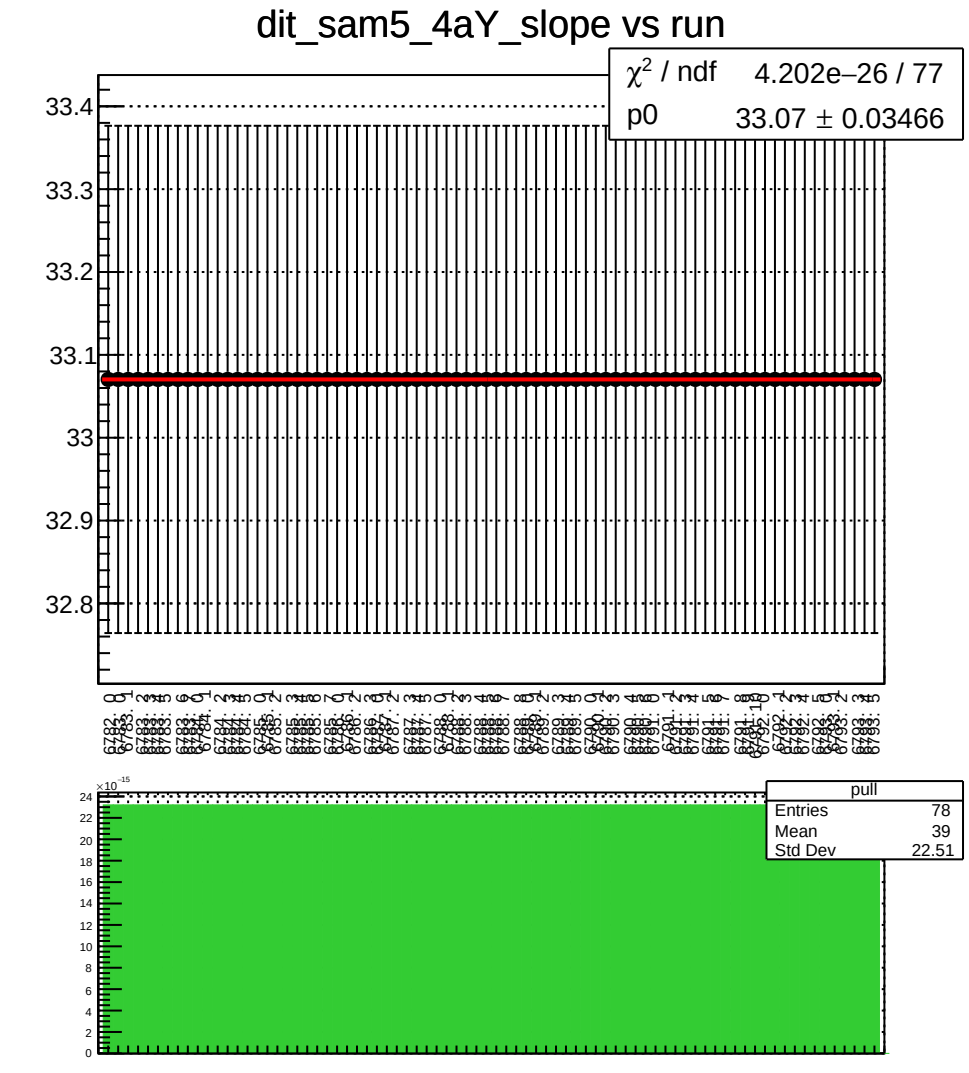

dit_sam5_4aX_slope vs run
χ² / ndf 1.568e−26 / 77
p0 4.795 ± 0.04966
5.2
5
4.8
4.6
4.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
14
12
10
8
6
4
2
0

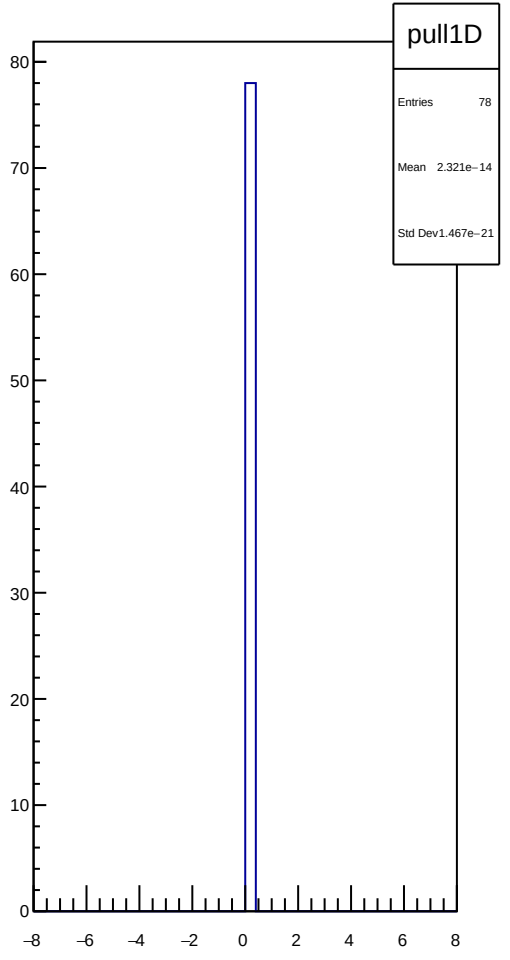

pull1D
Entries 78
Mean 1.418e−14
Std Dev 6.527e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

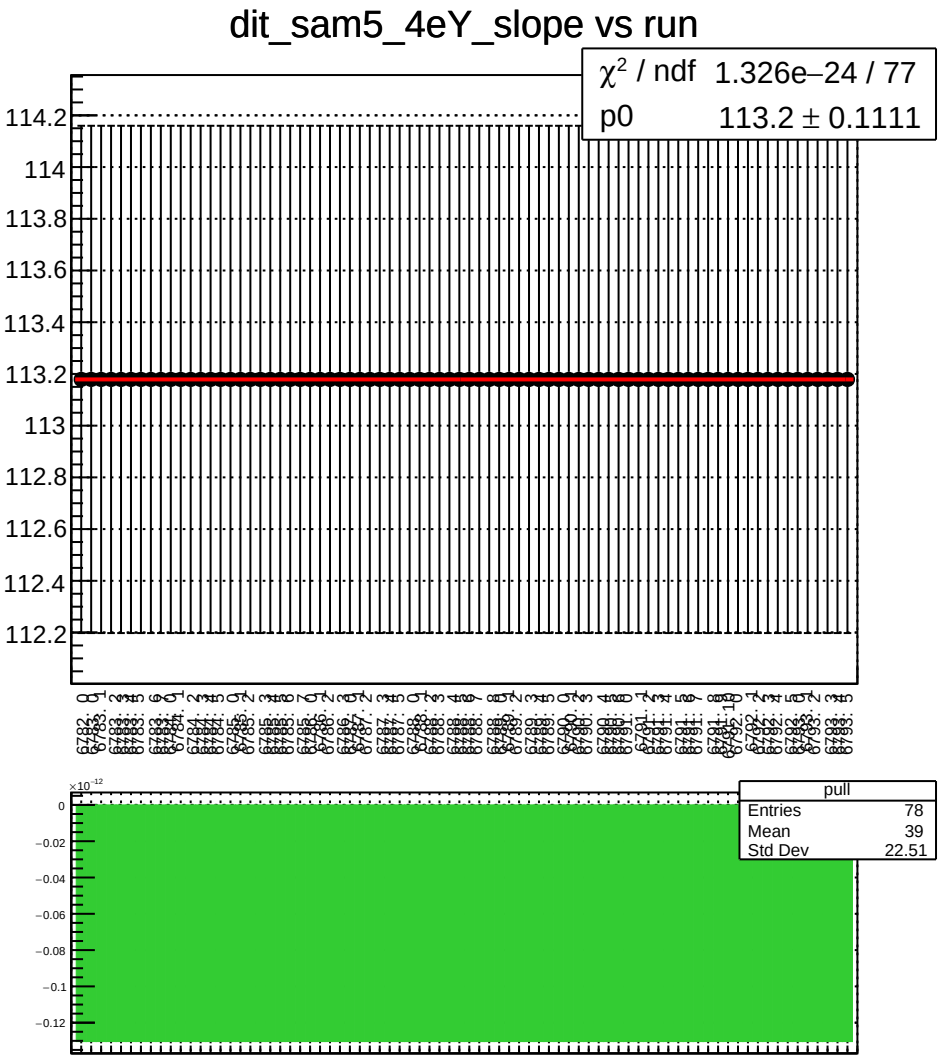

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.468e−26 / 77
p0 4.866 ± 0.03958
pull
Entries 78
Mean 39
Std Dev 22.51

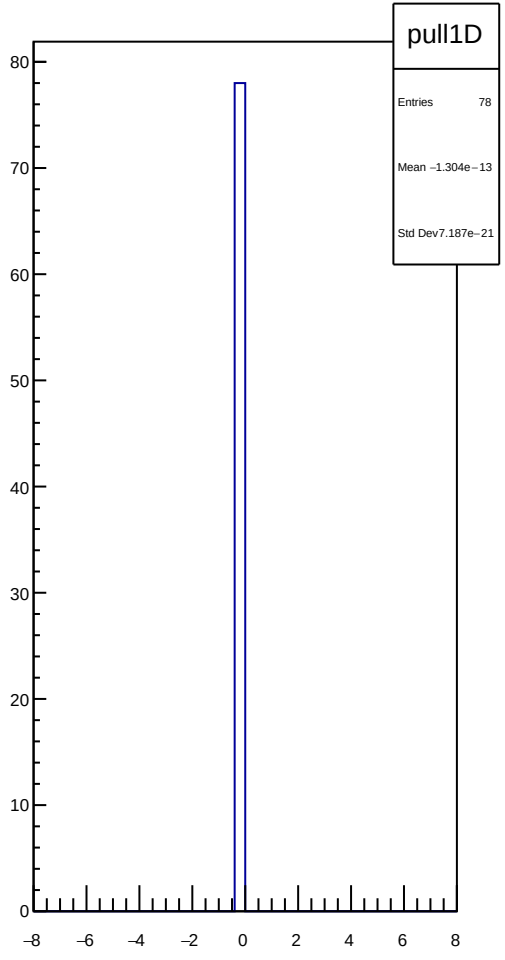

pull1D
Entries 78
Mean 1.779e−14
Std Dev 9.47e−22

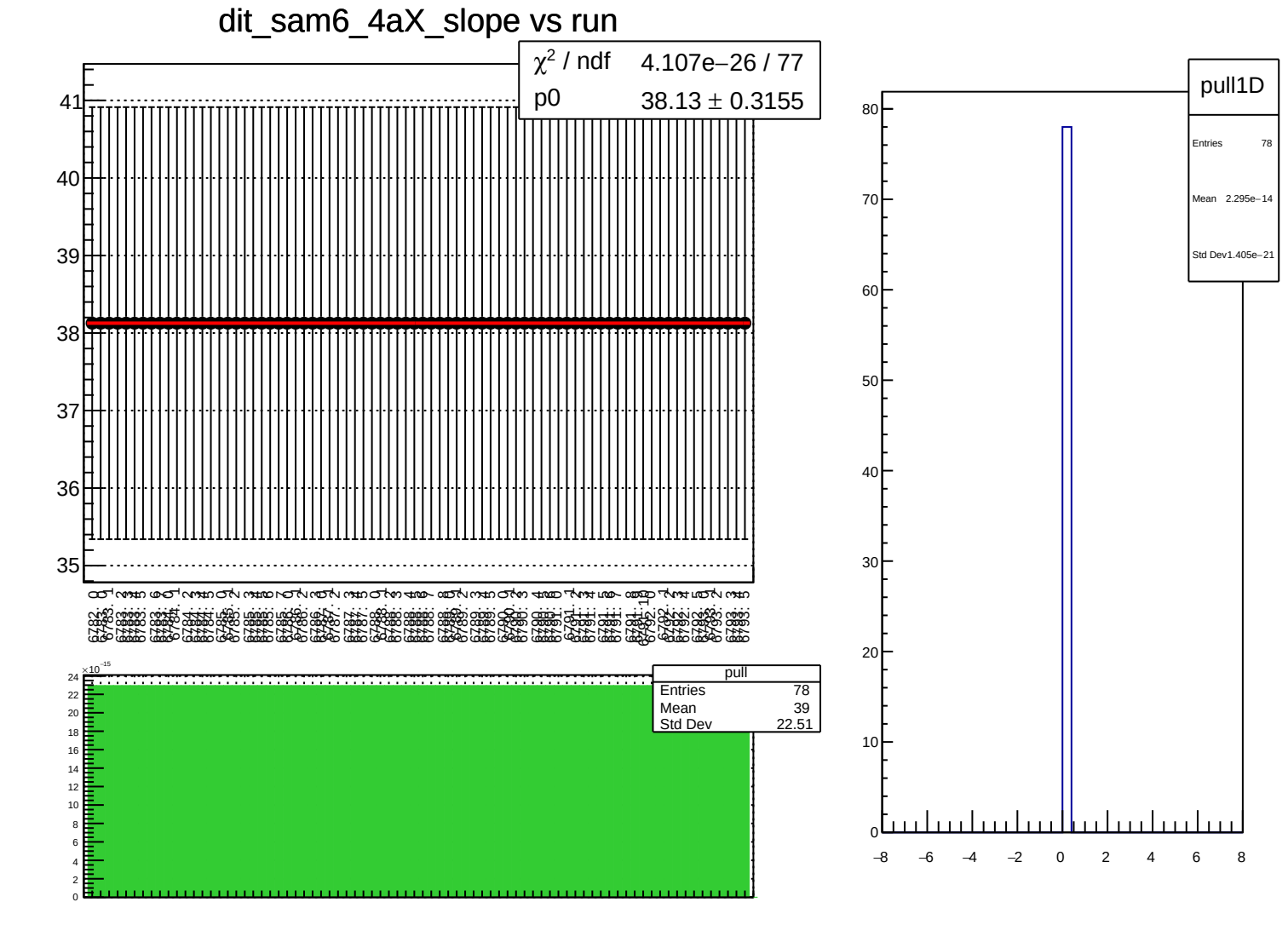

dit_sam5_11X12X_slope vs run
χ² / ndf 3.088e−26 / 77
p0 0.291± 0.001895
0.31
0.305
0.3
0.295
0.29
0.285
0.28
0.275
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 78
Mean 1.99e−14
Std Dev1.216e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

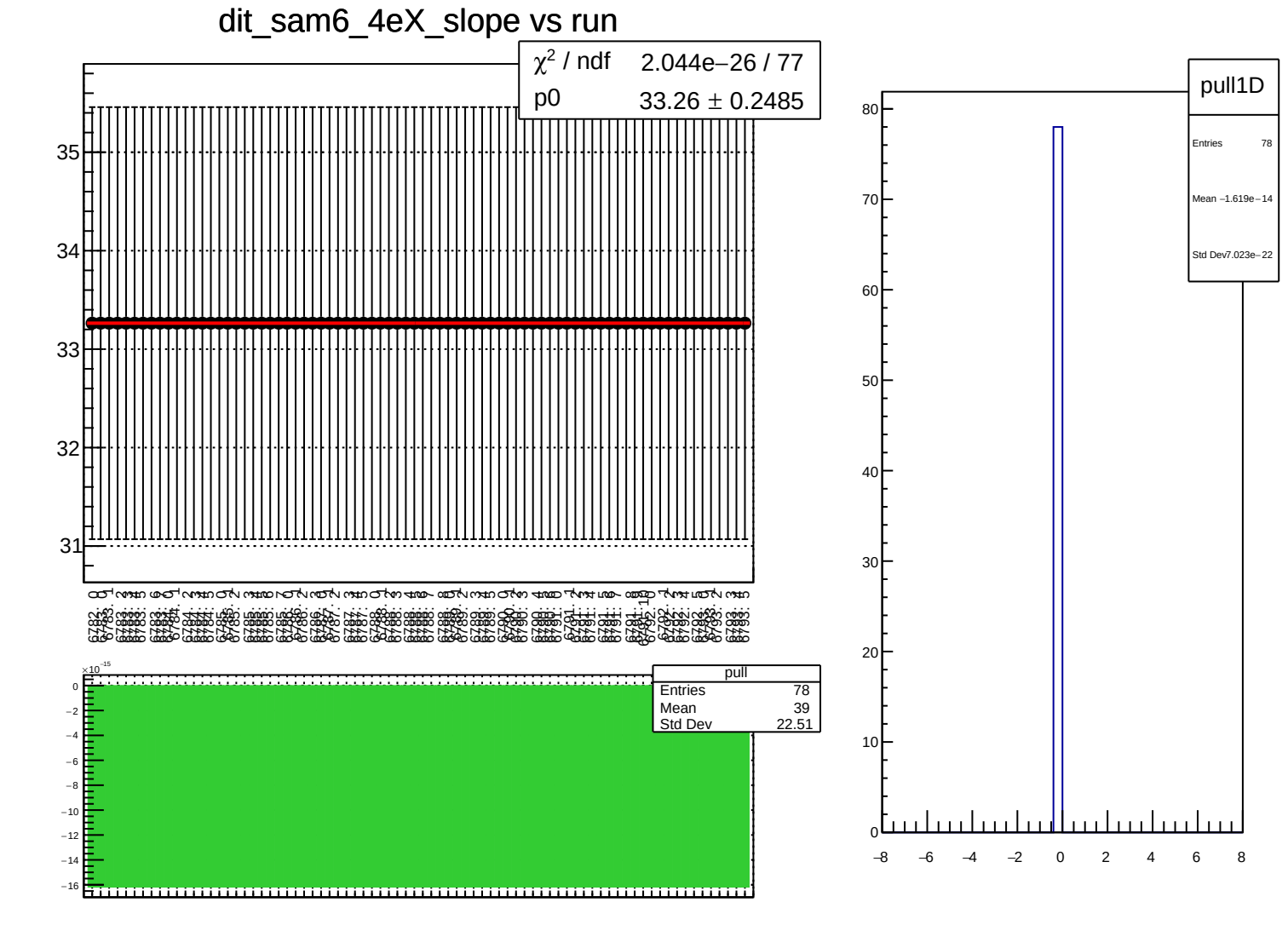

dit_sam5_4aY_slope vs run
χ² / ndf 4.202e−26 / 77
p0 33.07 ± 0.03466
33.4
33.3
33.2
33.1
33
32.9
32.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0

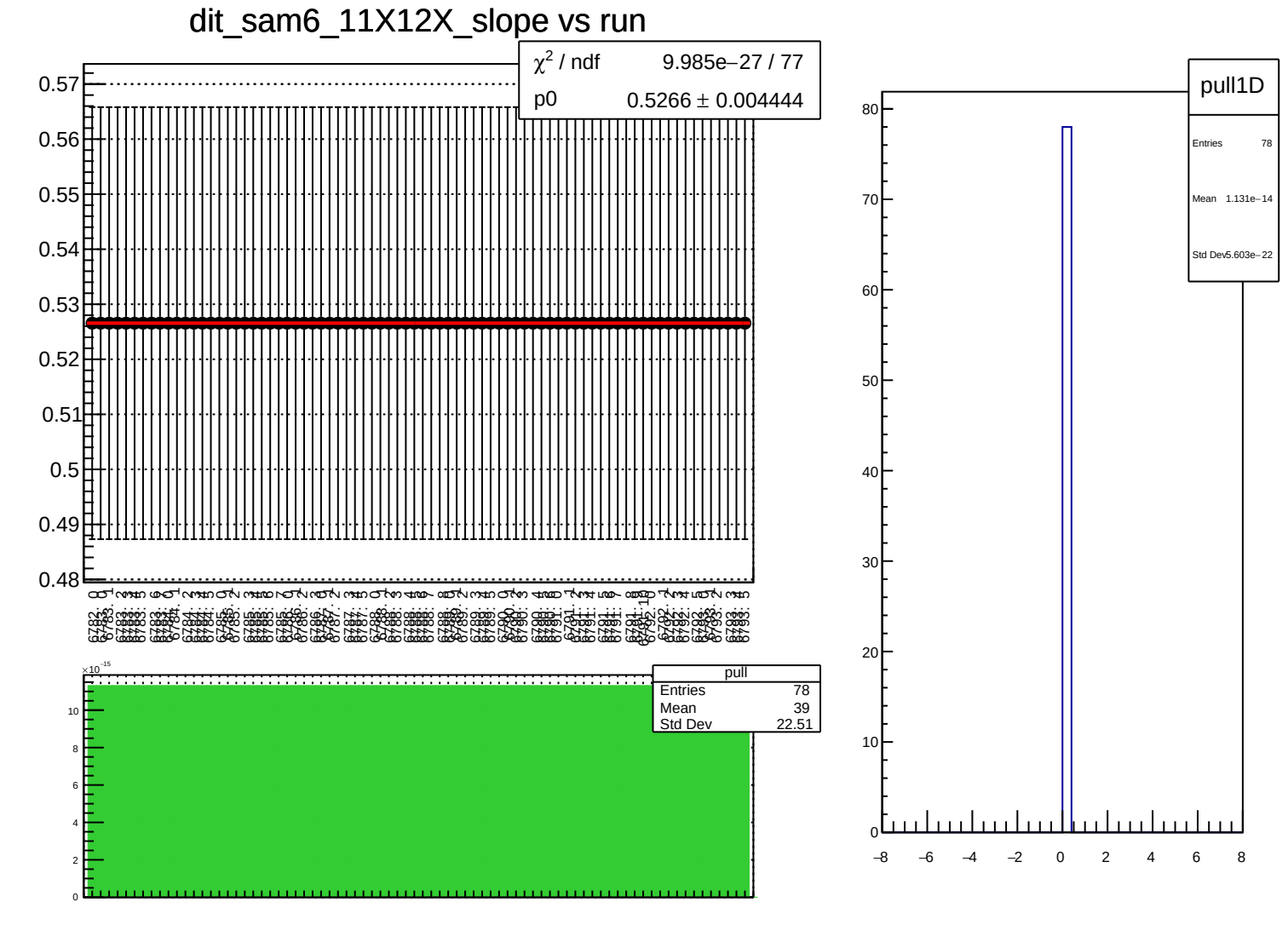

pull1D
Entries 78
Mean 2.321e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

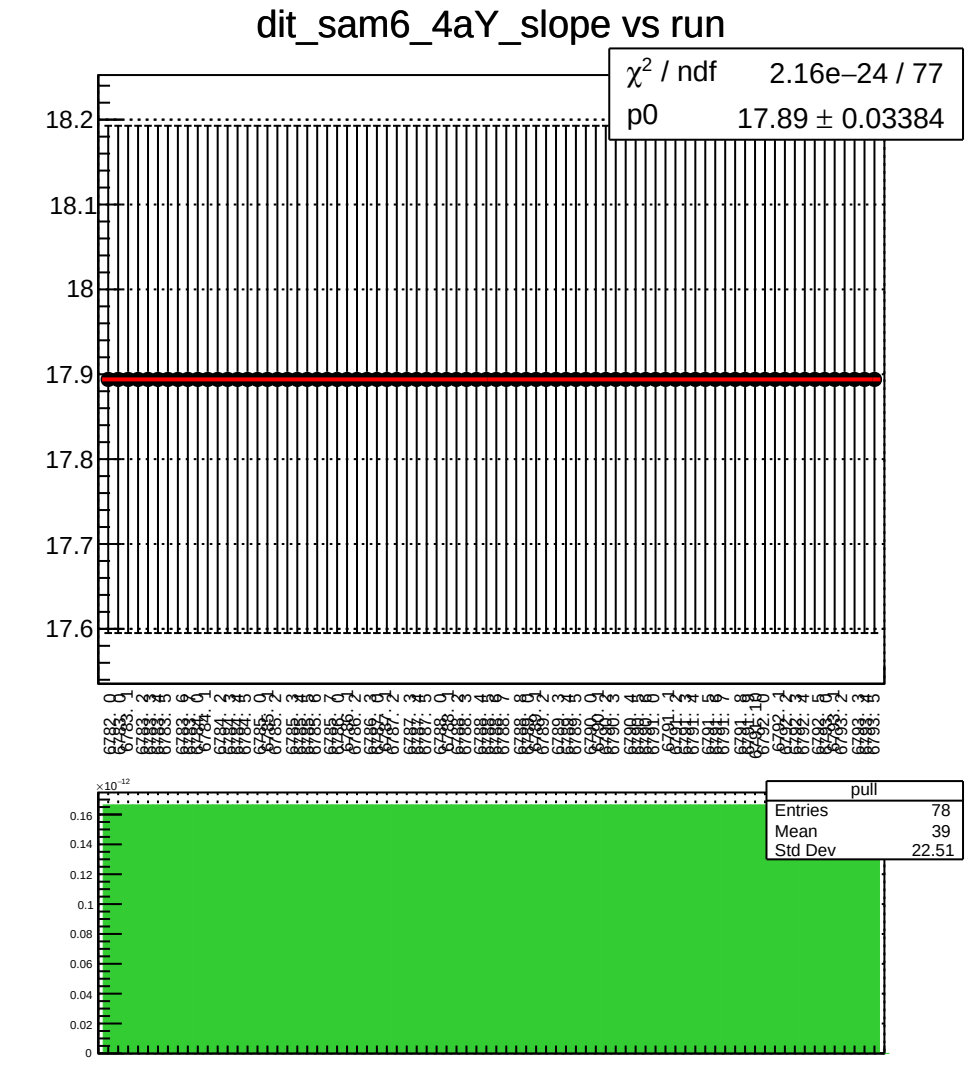

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.326e−24 / 77
p0 113.2 ± 0.1111
114.2
114
113.8
113.6
113.4
113.2
113
112.8
112.6
112.4
112.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

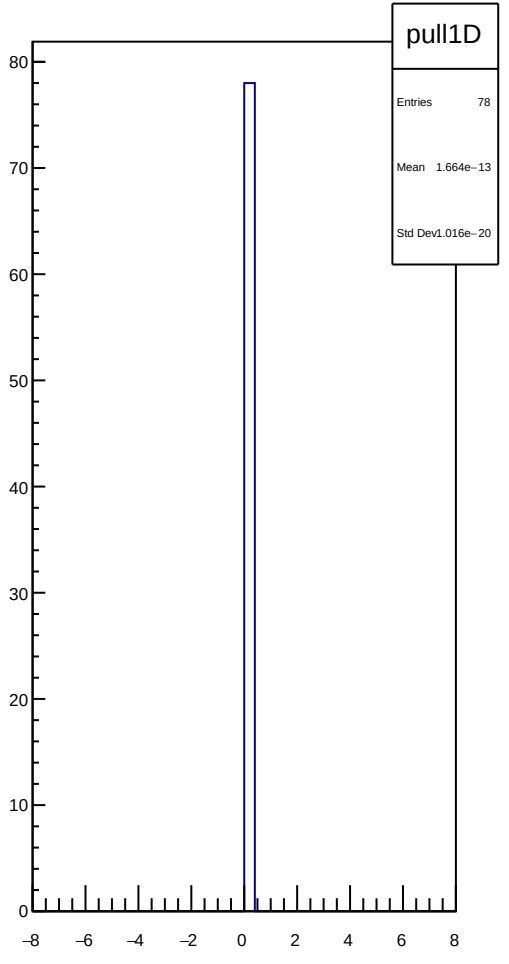

pull1D
Entries 78
Mean −1.304e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

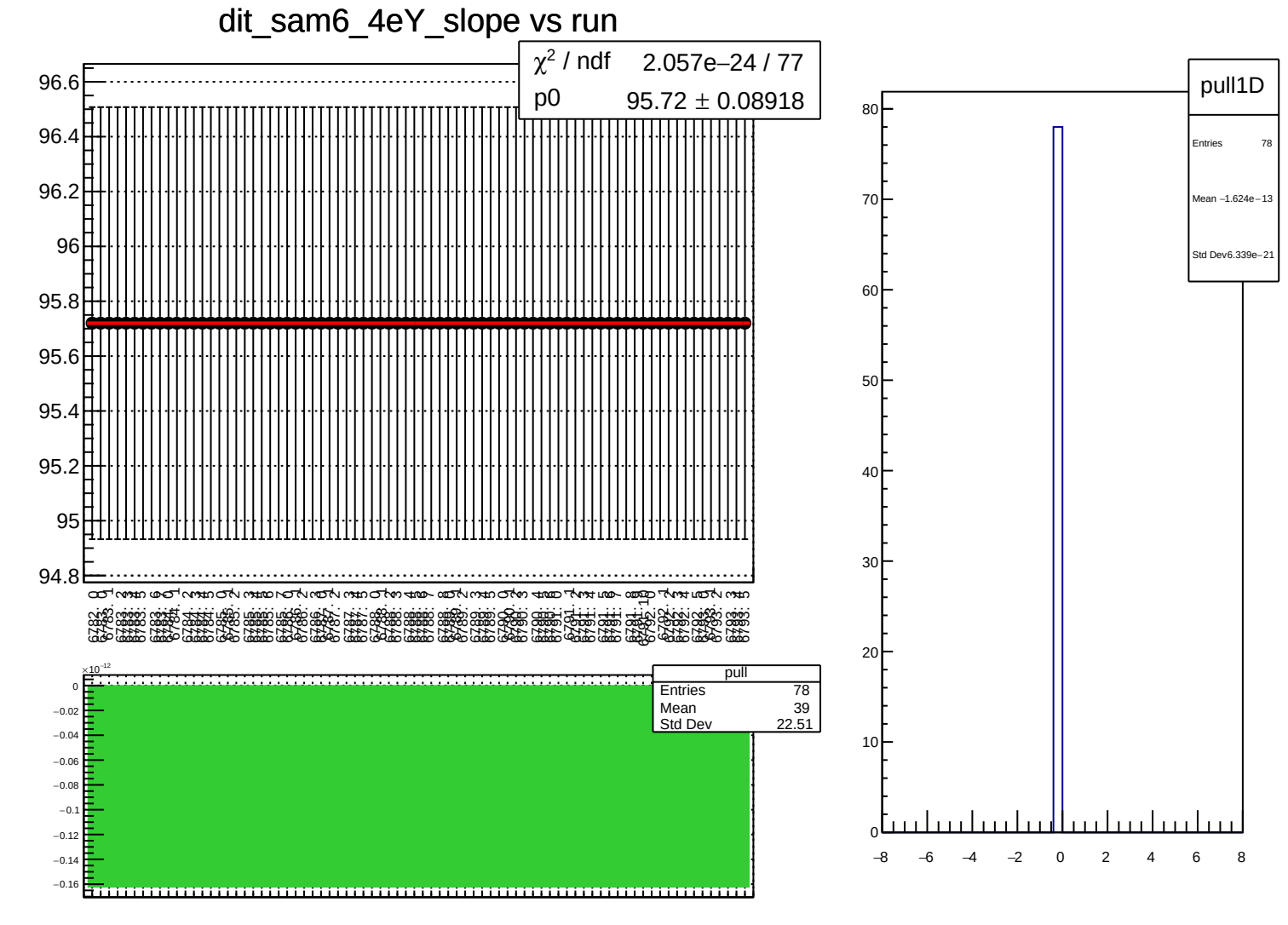

dit_sam6_4aX_slope vs run
χ² / ndf 4.107e−26 / 77
p0 38.13 ± 0.3155
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 2.295e−14
Std Dev1.405e−21

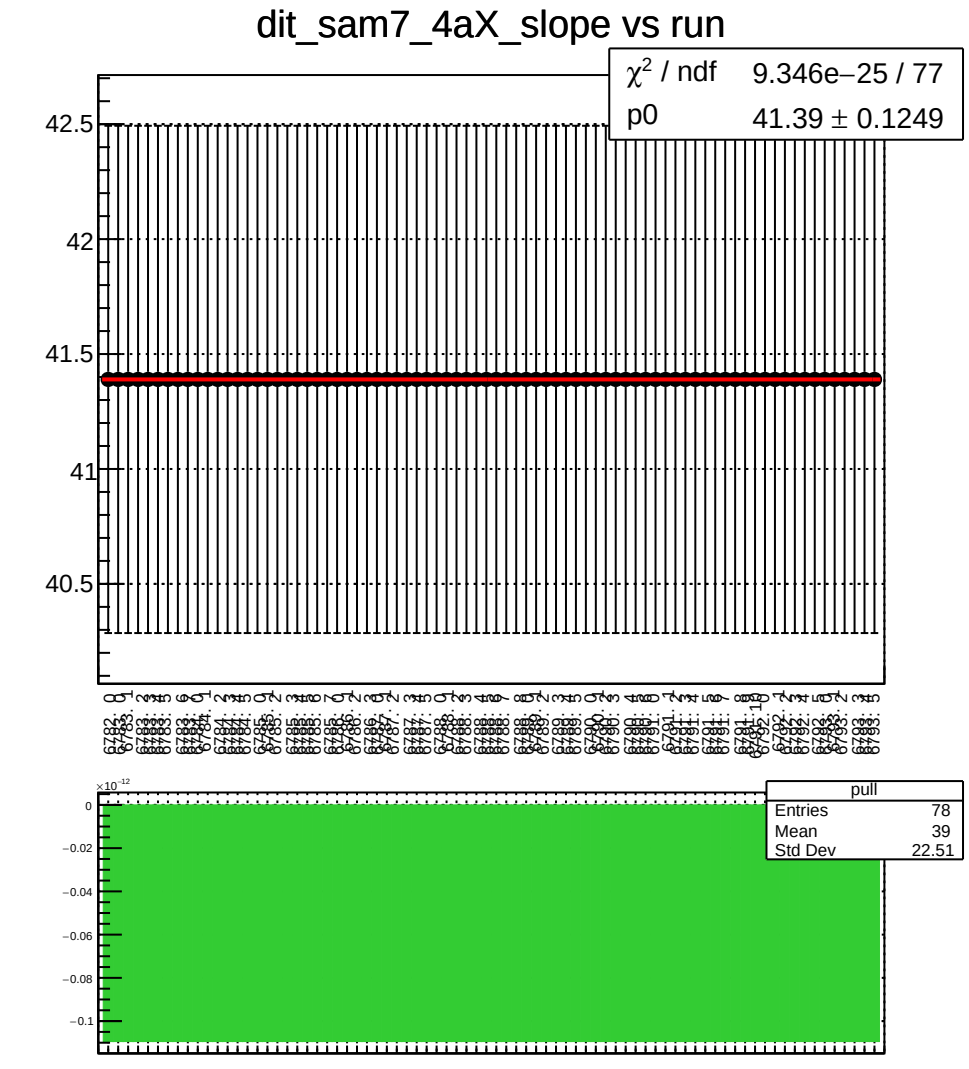

dit_sam6_4eX_slope vs run
χ² / ndf 2.044e−26 / 77
p0 33.26 ± 0.2485
35
34
33
32
31
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 78
Mean −1.619e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

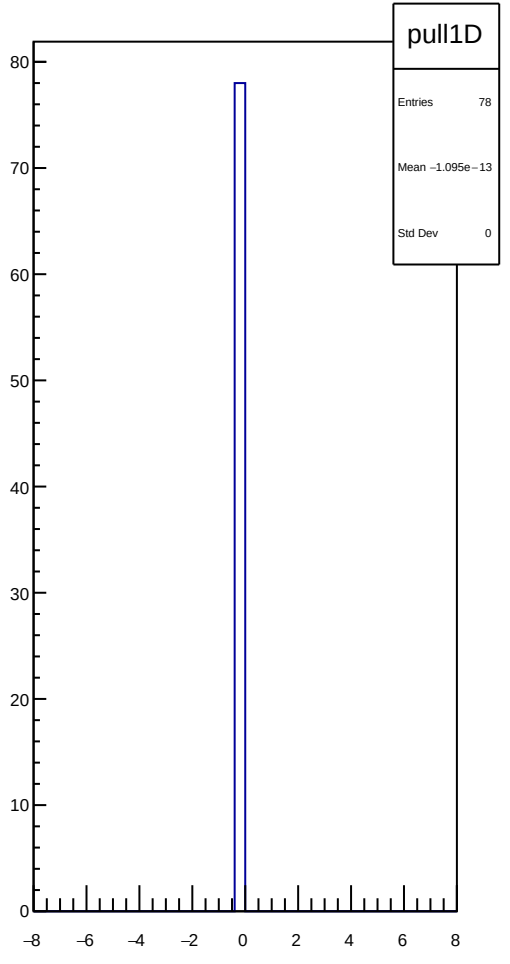

dit_sam6_11X12X_slope vs run
χ^2 / ndf 9.985e−27 / 77
p0 0.5266 ± 0.004444
0.57
0.56
0.55
0.54
0.53
0.52
0.51
0.5
0.49
0.48
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 78
Mean 1.131e−14
Std Dev 5.603e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

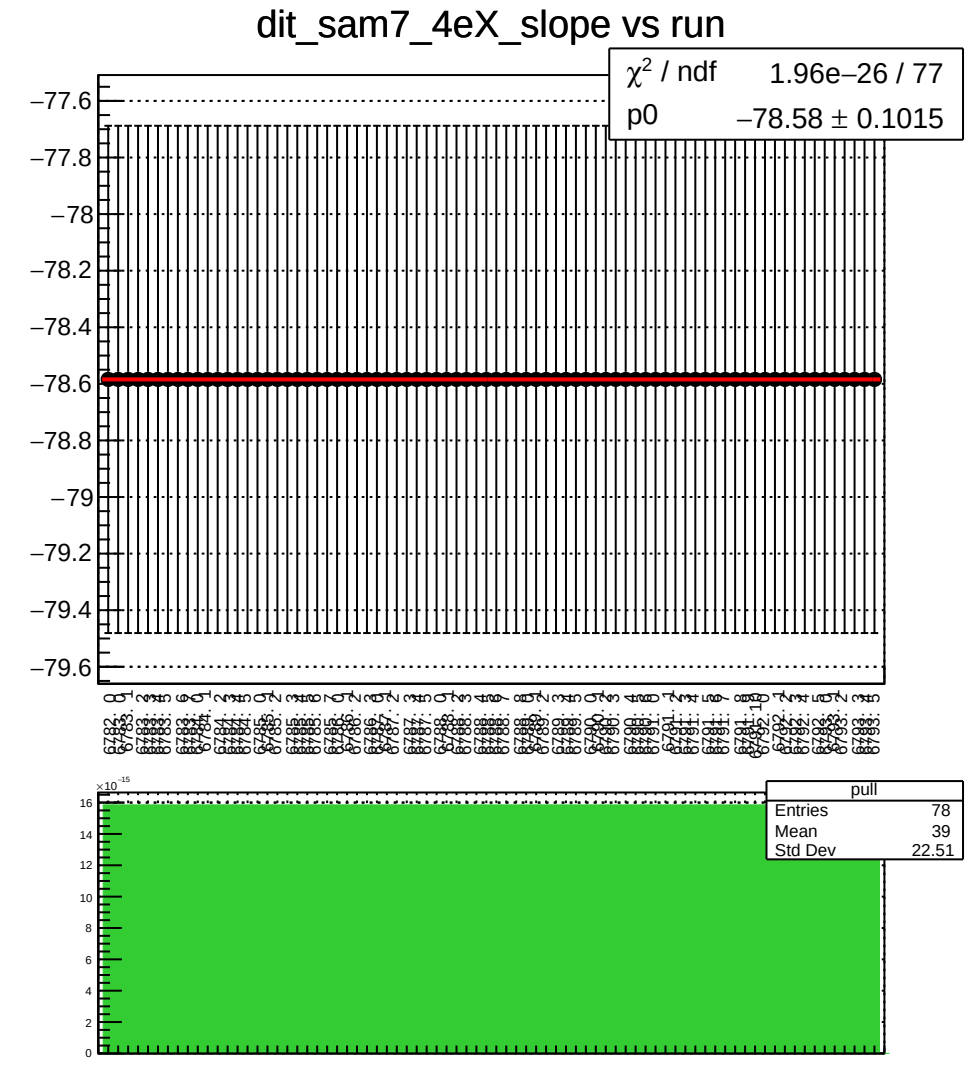

dit_sam6_4aY_slope vs run
χ² / ndf 2.16e−24 / 77
p0 17.89 ± 0.03384
18.2
18.1
18
17.9
17.8
17.7
17.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

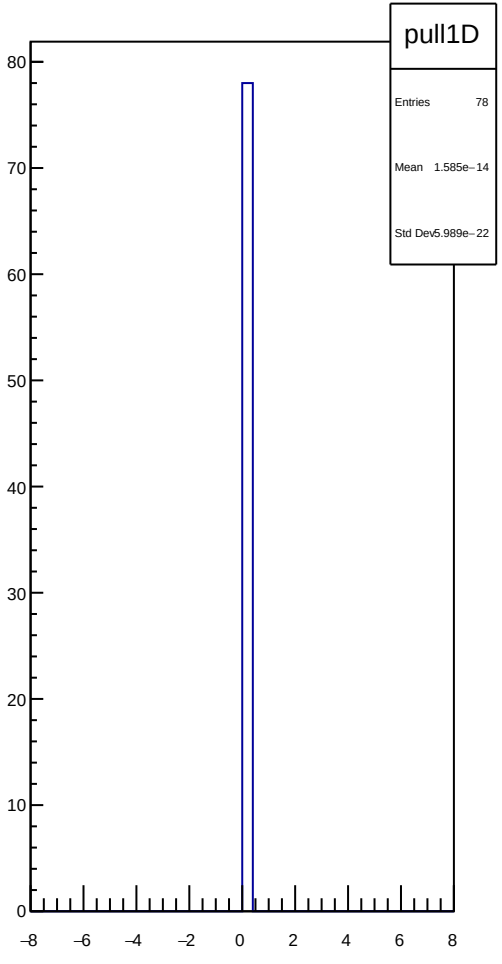

pull1D
Entries 78
Mean 1.664e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

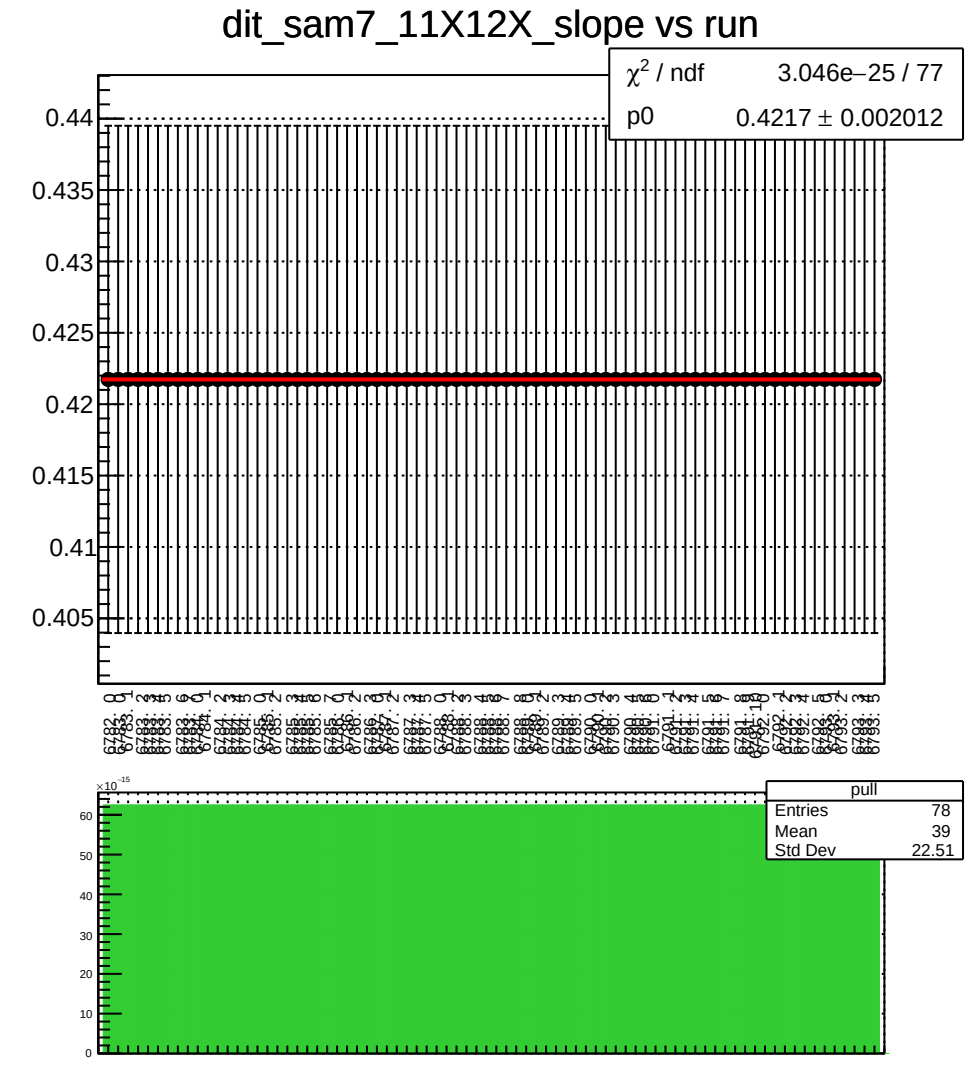

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.057e−24 / 77
p0 95.72 ± 0.08918
96.6
96.4
96.2
96
95.8
95.6
95.4
95.2
95
94.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 78
Mean −1.624e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

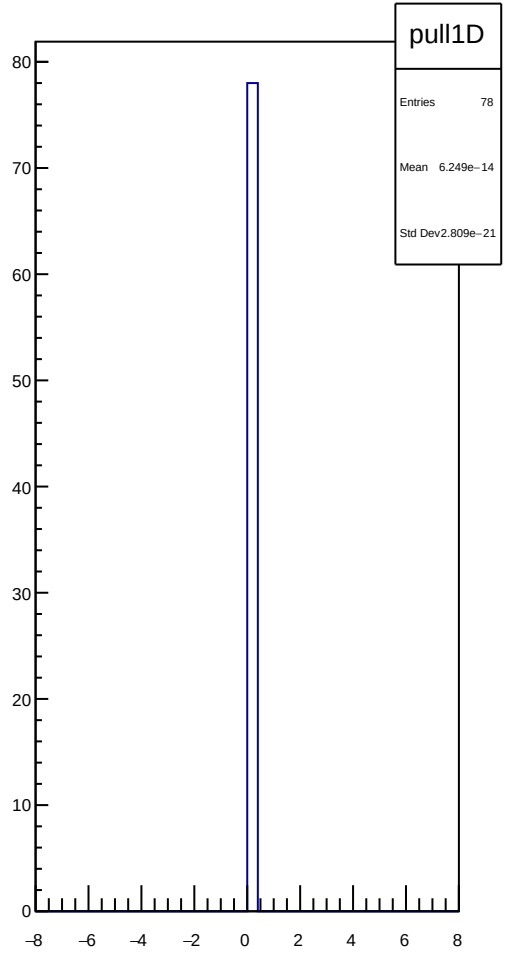

dit_sam7_4aX_slope vs run
χ² / ndf 9.346e−25 / 77
p0 41.39 ± 0.1249
42.5
42
41.5
41
40.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

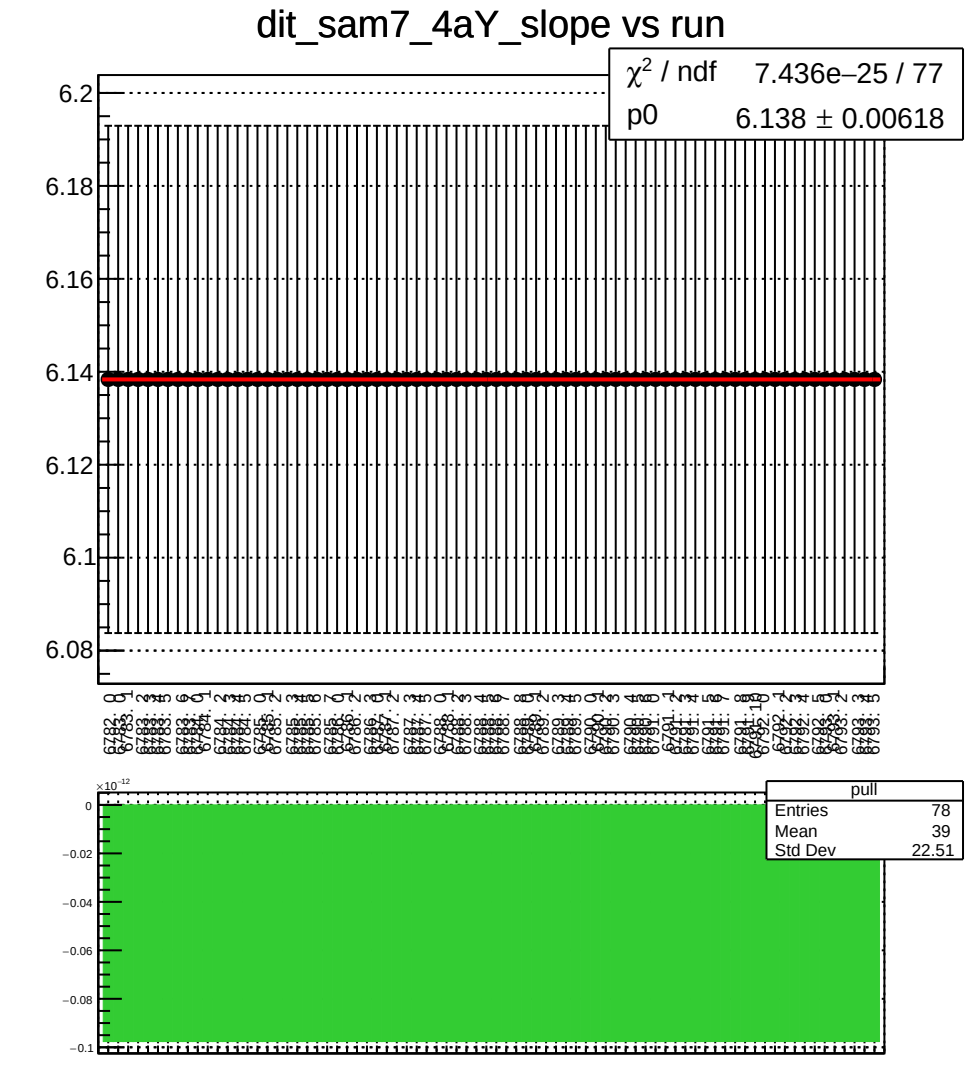

pull1D
Entries 78
Mean −1.095e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

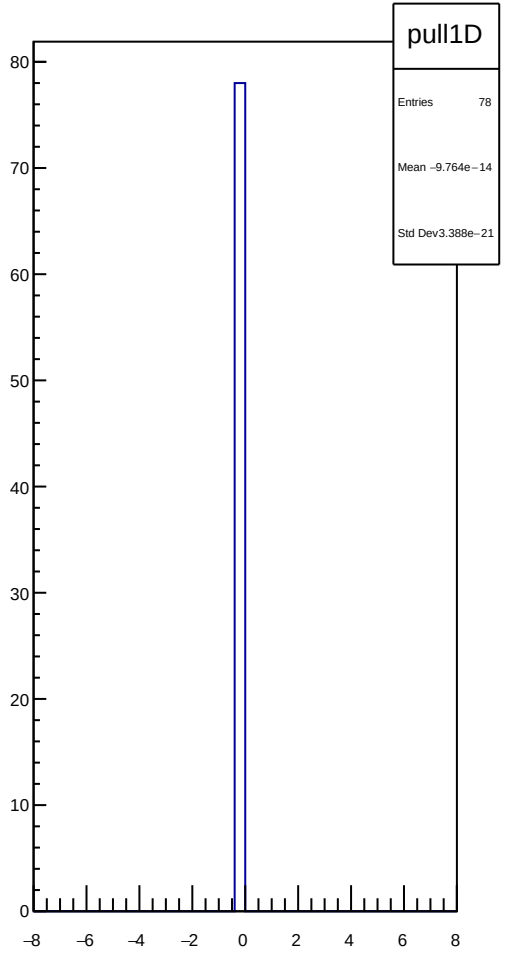

dit_sam7_4eX_slope vs run
χ² / ndf 1.96e−26 / 77
p0 −78.58 ± 0.1015
−77.6
−77.8
−78
−78.2
−78.4
−78.6
−78.8
−79
−79.2
−79.4
−79.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

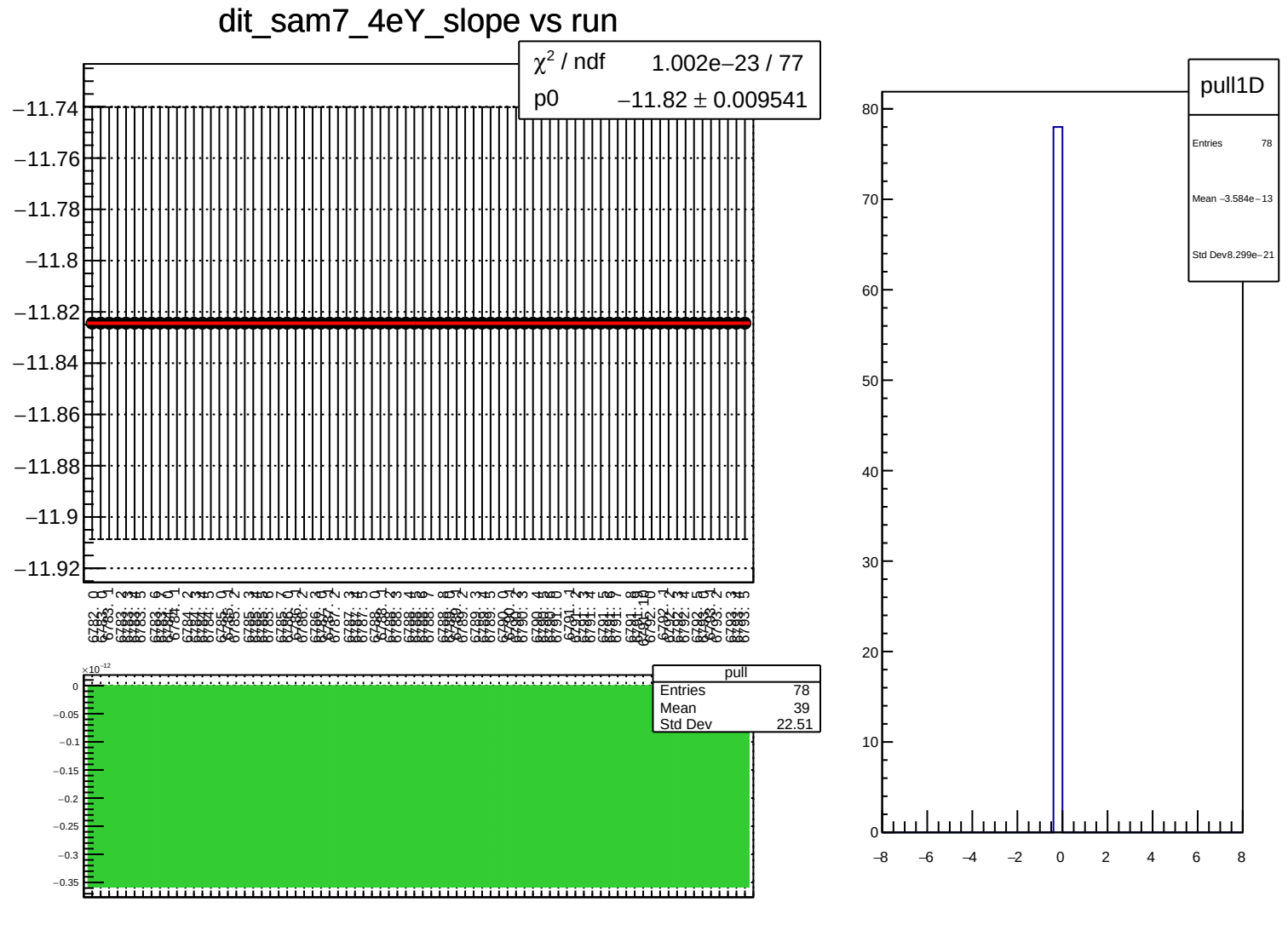

pull1D
Entries 78
Mean 1.585e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

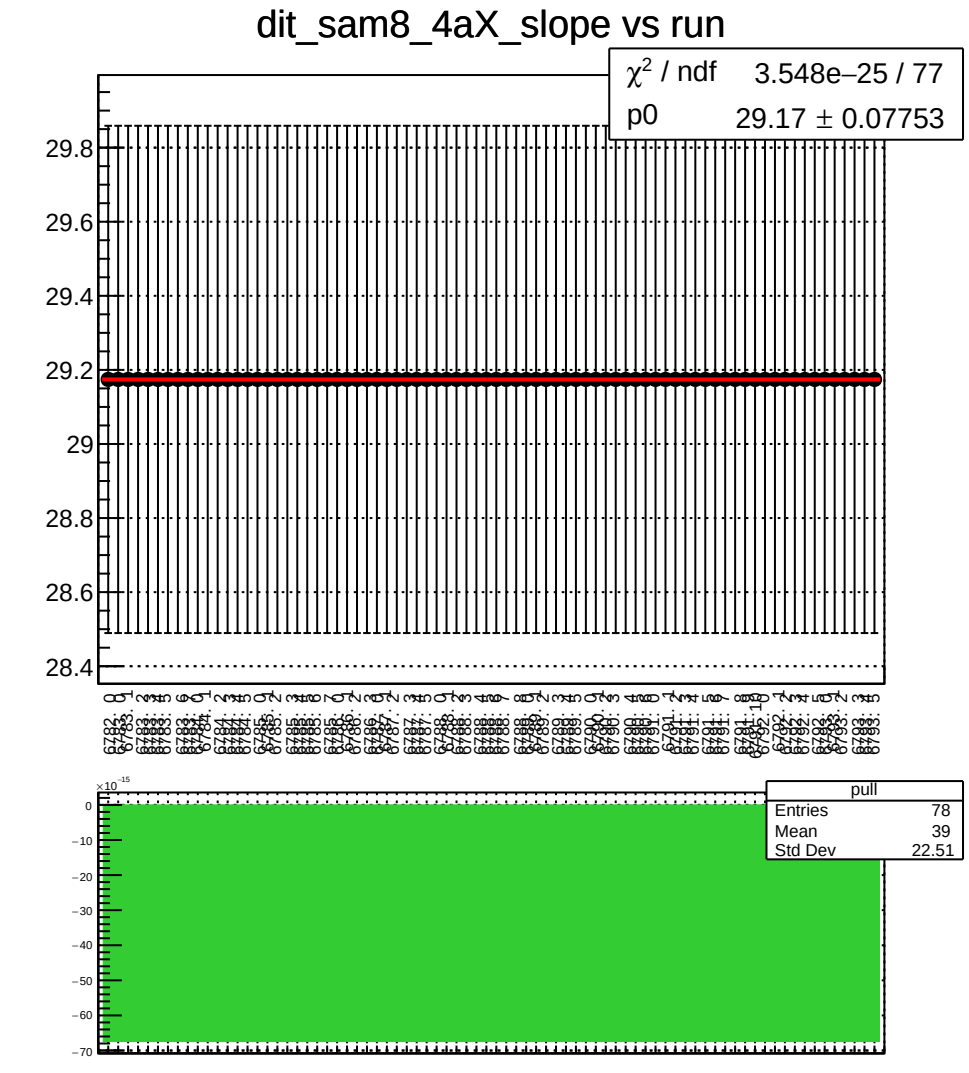

dit_sam7_11X12X_slope vs run
χ² / ndf 3.046e−25 / 77
p0 0.4217 ± 0.002012
0.44
0.435
0.43
0.425
0.42
0.415
0.41
0.405
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
60
50
40
30
20
10
0

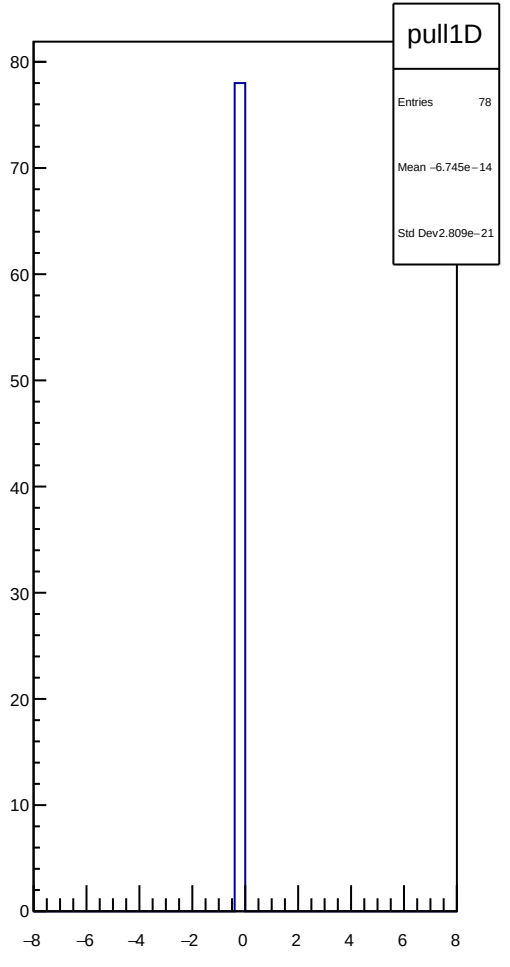

pull1D
Entries 78
Mean 6.249e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

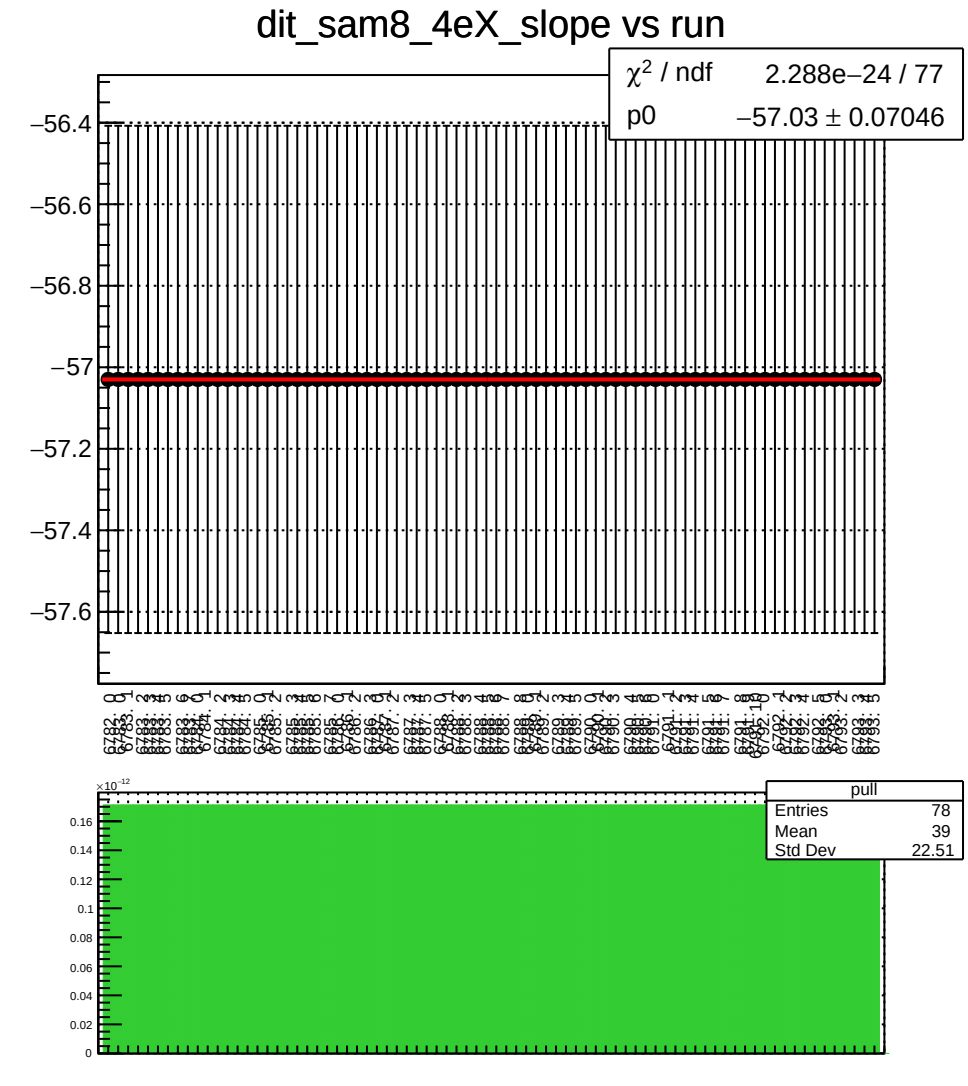

dit_sam7_4aY_slope vs run
χ² / ndf 7.436e−25 / 77
p0 6.138 ± 0.00618
6.2
6.18
6.16
6.14
6.12
6.1
6.08
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

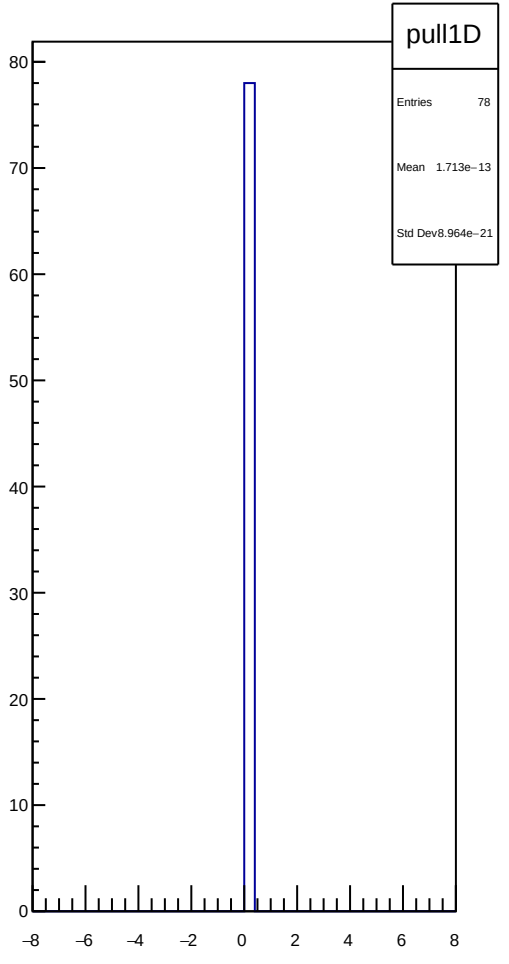

pull1D
Entries 78
Mean −9.764e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

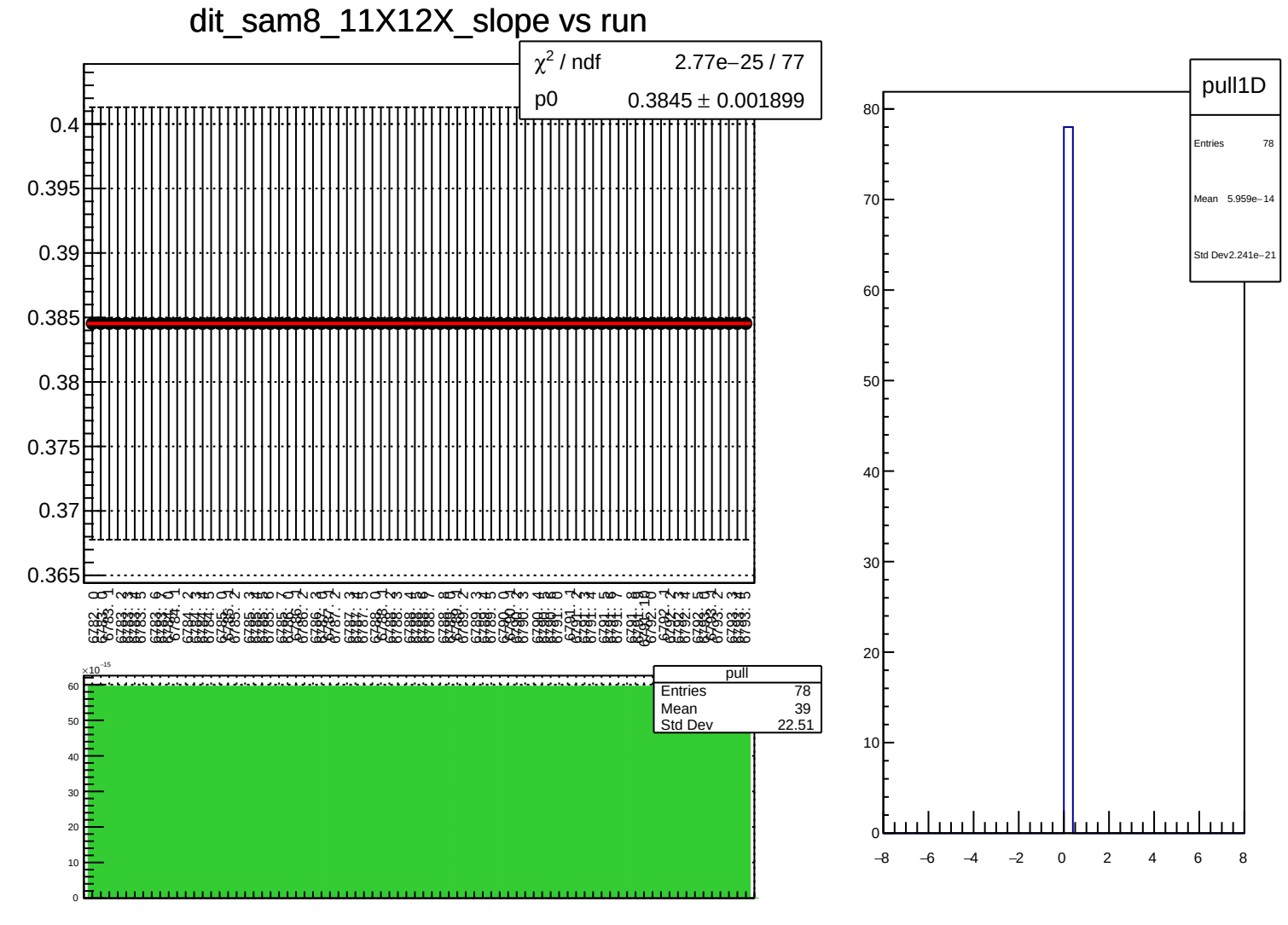

dit_sam7_4eY_slope vs run
χ² / ndf 1.002e−23 / 77
p0 −11.82 ± 0.009541
−11.74
−11.76
−11.78
−11.8
−11.82
−11.84
−11.86
−11.88
−11.9
−11.92
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 78
Mean −3.584e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

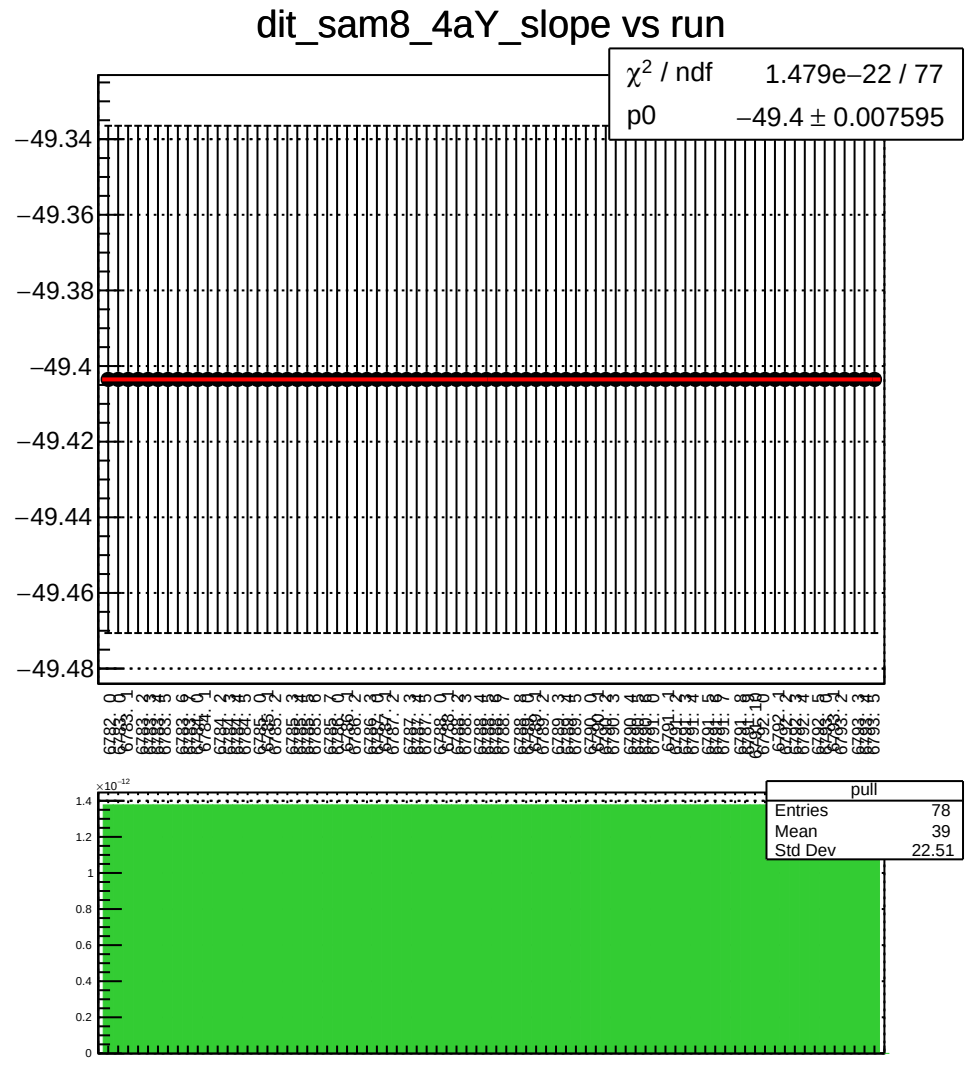

dit_sam8_4aX_slope vs run
χ² / ndf 3.548e−25 / 77
p0 29.17 ± 0.07753
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

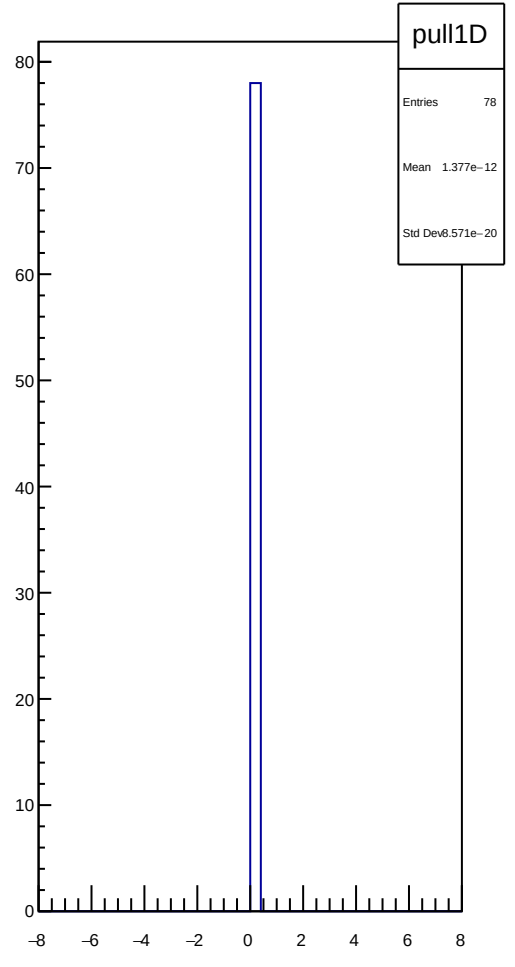

pull1D
Entries 78
Mean −6.745e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

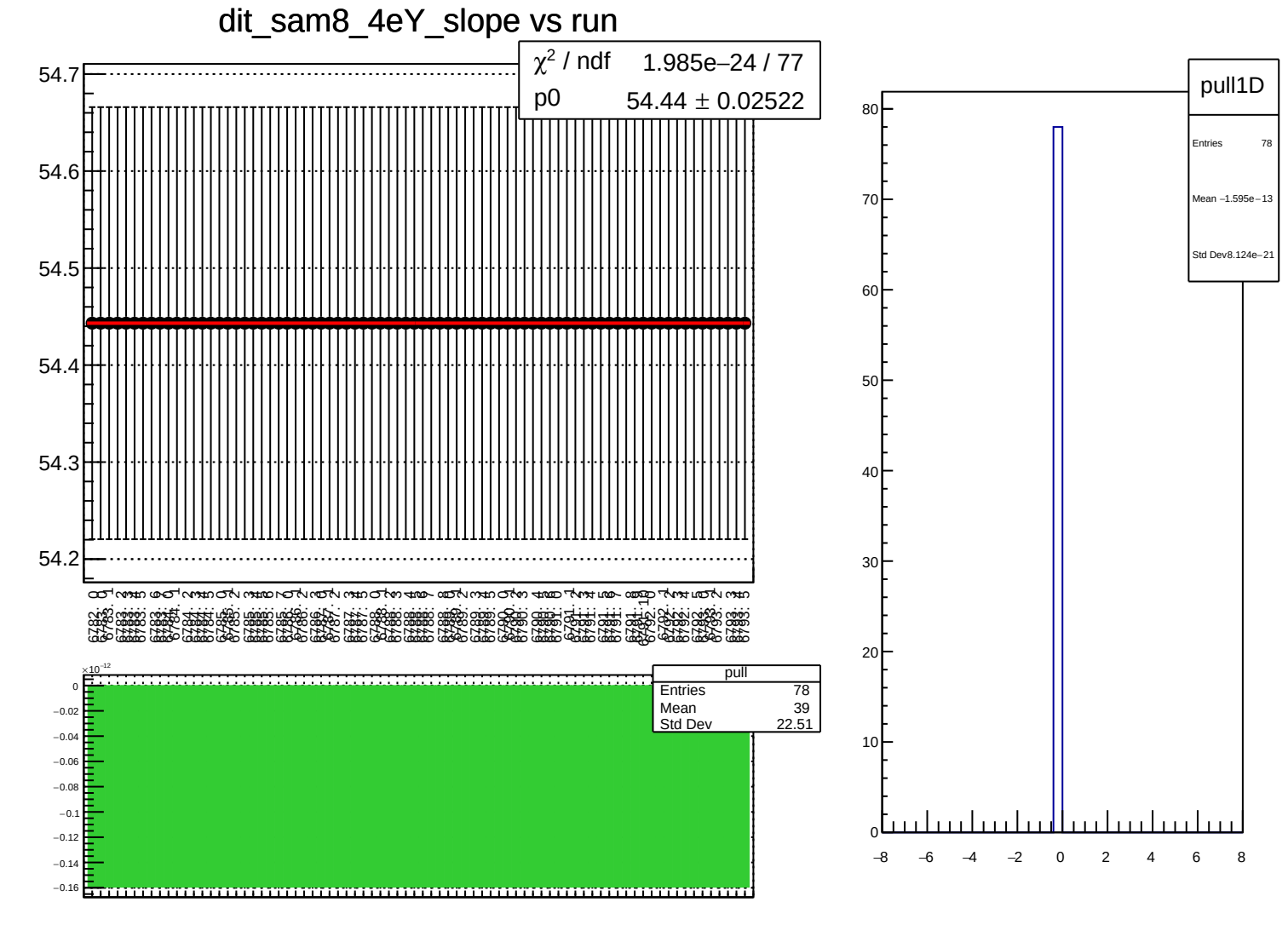

dit_sam8_4eX_slope vs run
χ² / ndf 2.288e−24 / 77
p0 −57.03 ± 0.07046
−56.4
−56.6
−56.8
−57
−57.2
−57.4
−57.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

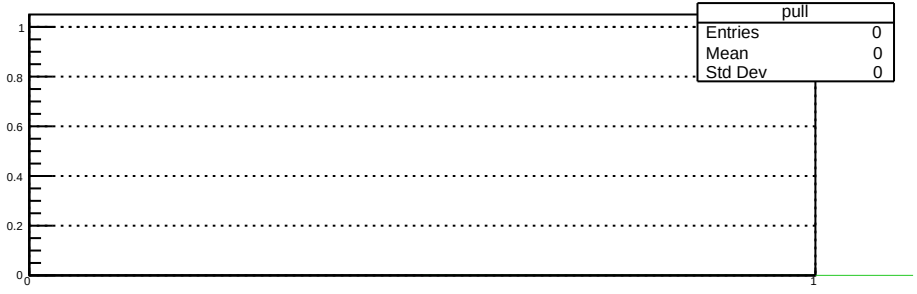

pull1D
Entries 78
Mean 1.713e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

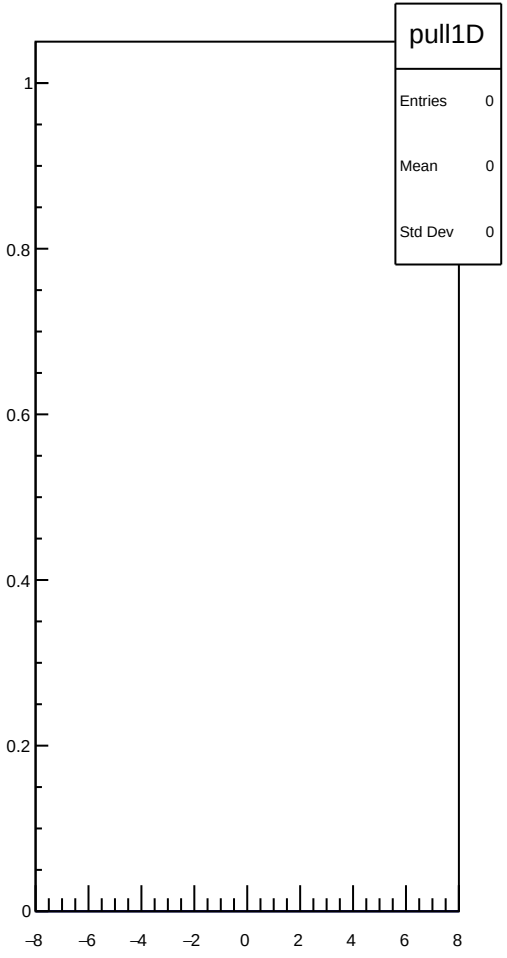

dit_sam8_11X12X_slope vs run
χ² / ndf 2.77e−25 / 77
p0 0.3845 ± 0.001899
0.4
0.395
0.39
0.385
0.38
0.375
0.37
0.365
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 5.959e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

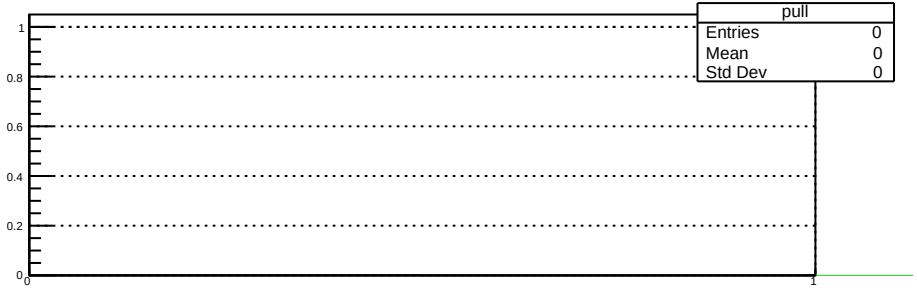

dit_sam8_4aY_slope vs run
χ² / ndf 1.479e−22 / 77
p0 −49.4 ± 0.007595
−49.34
−49.36
−49.38
−49.4
−49.42
−49.44
−49.46
−49.48
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
1.4
1.2
1
0.8
0.6
0.4
0.2
0

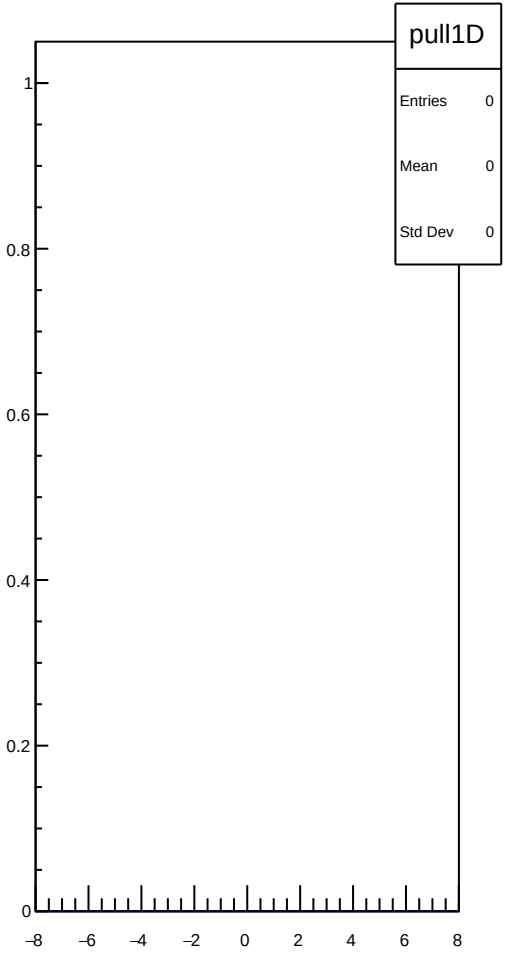

pull1D
Entries 78
Mean 1.377e−12
Std Dev 8.571e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ^2 / ndf 1.985e−24 / 77
p0 54.44 ± 0.02522
54.7
54.6
54.5
54.4
54.3
54.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 78
Mean −1.595e−13
Std Dev8.124e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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


pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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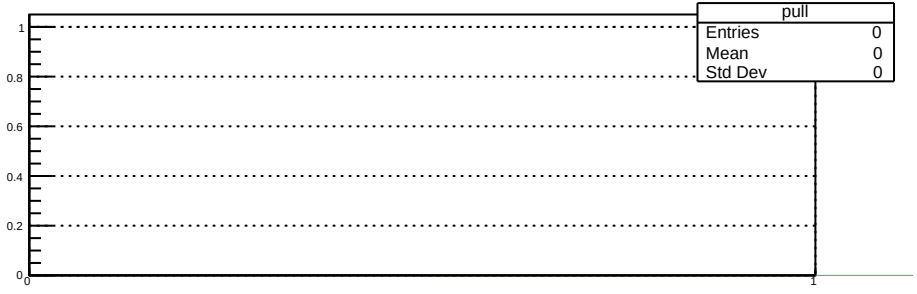
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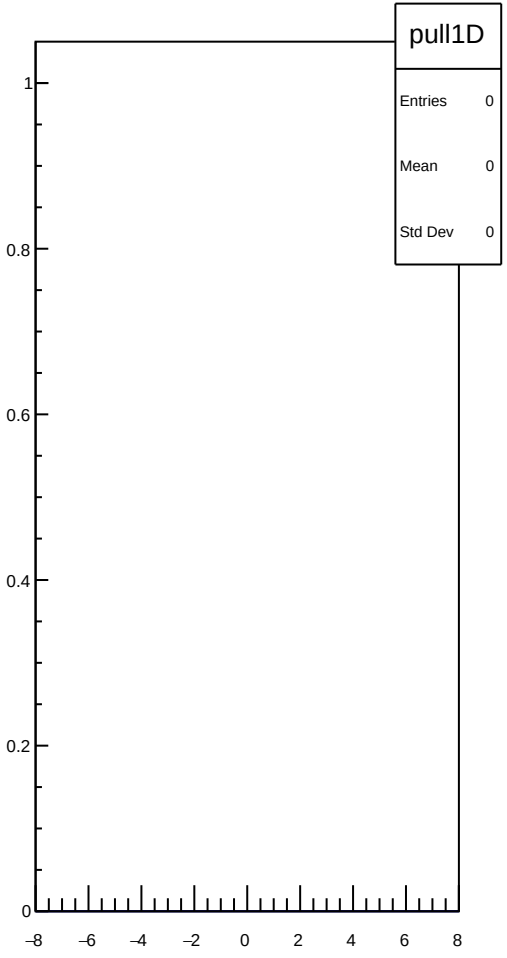
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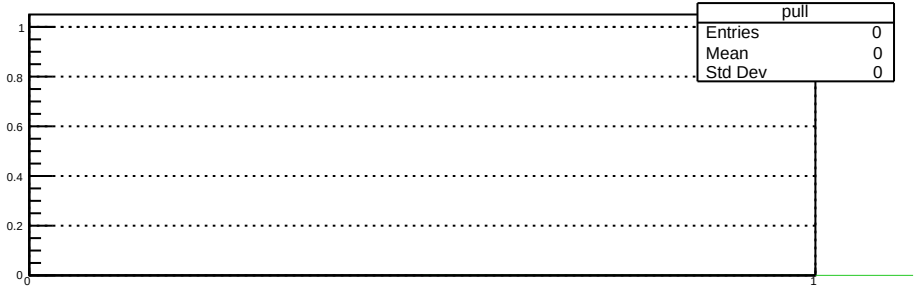
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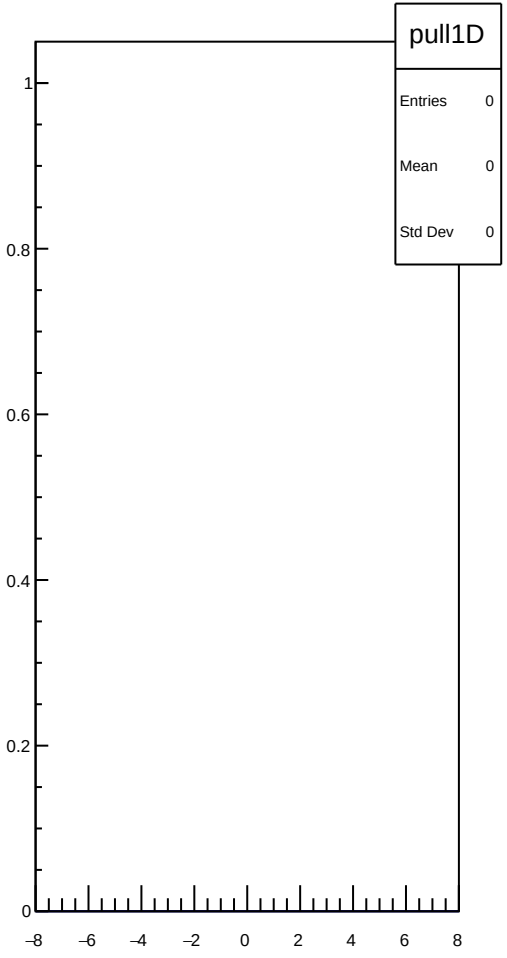
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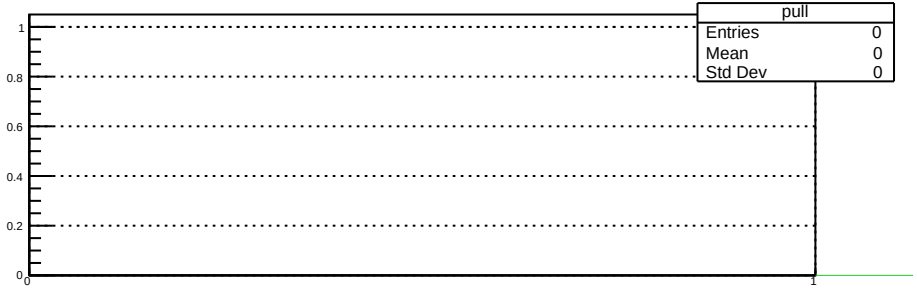
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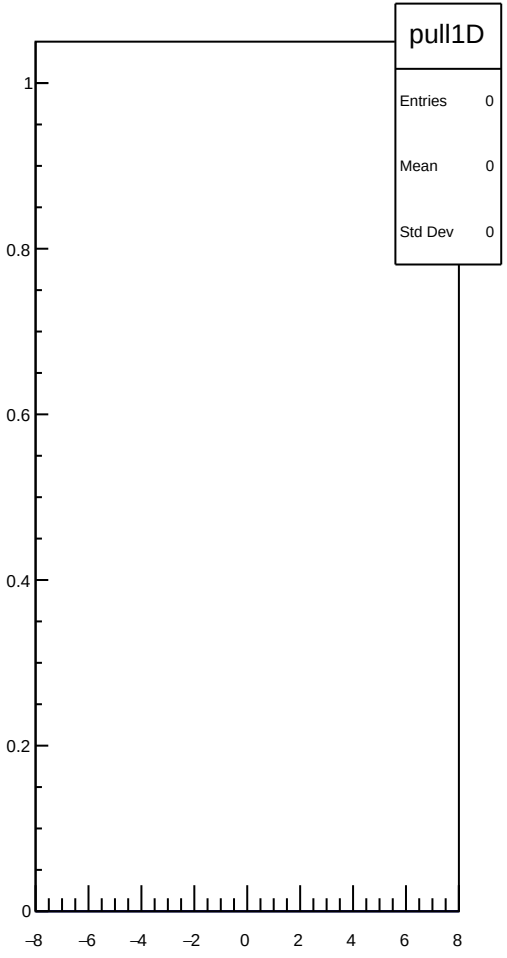
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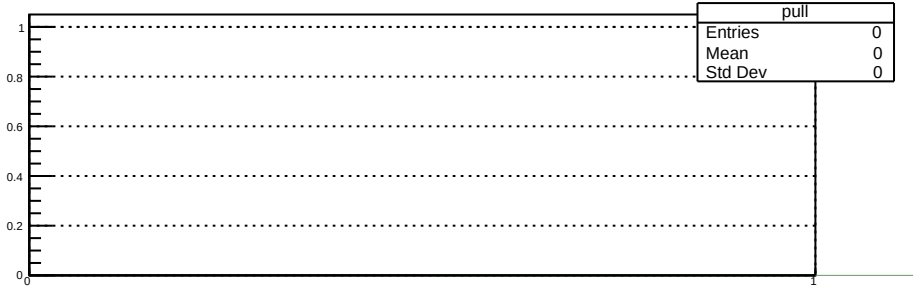
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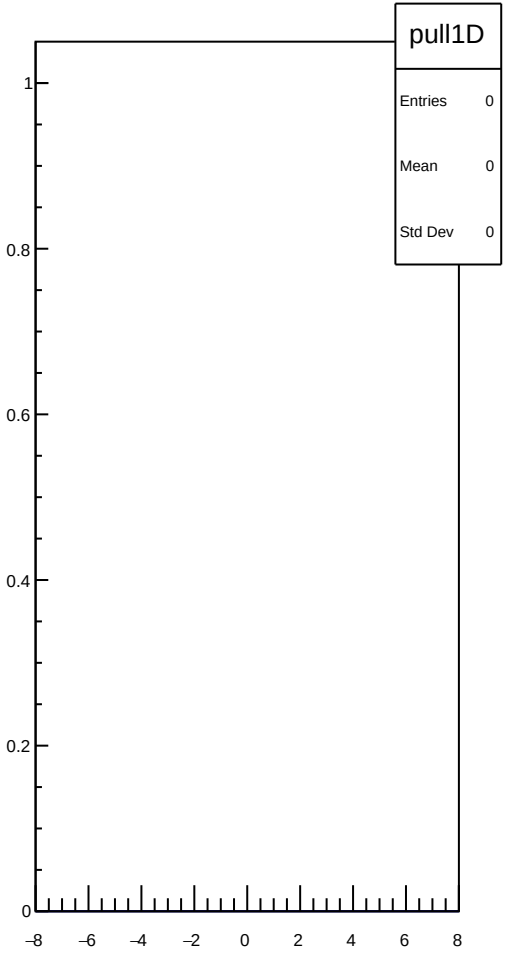
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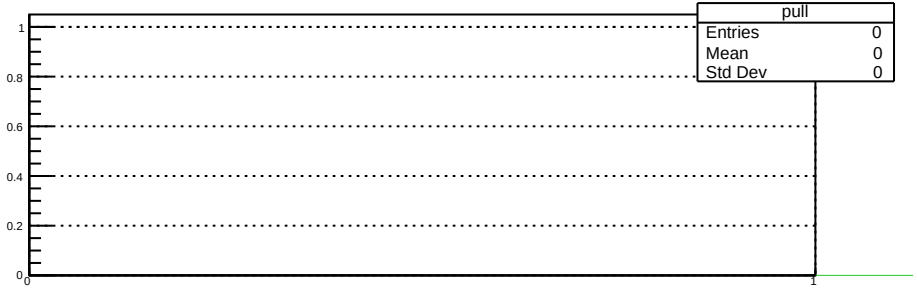
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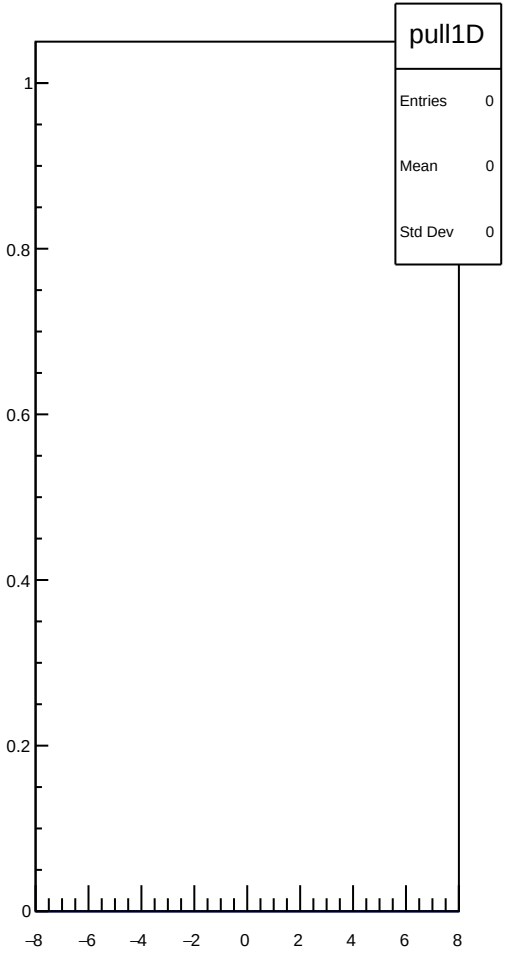
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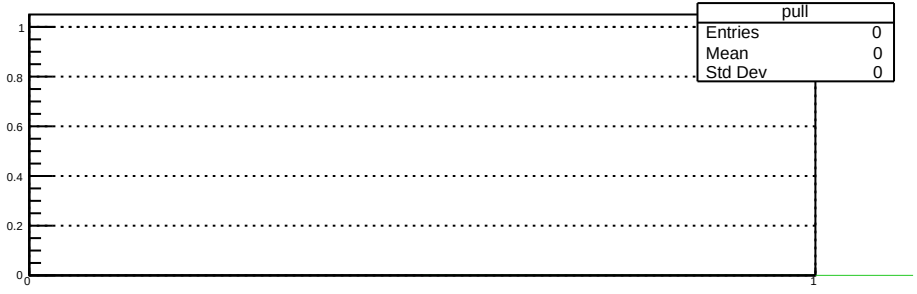
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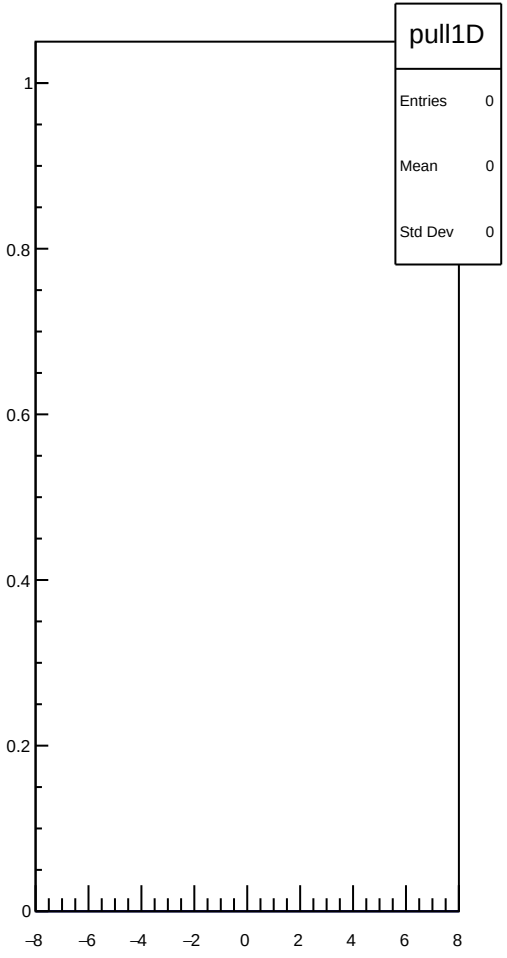
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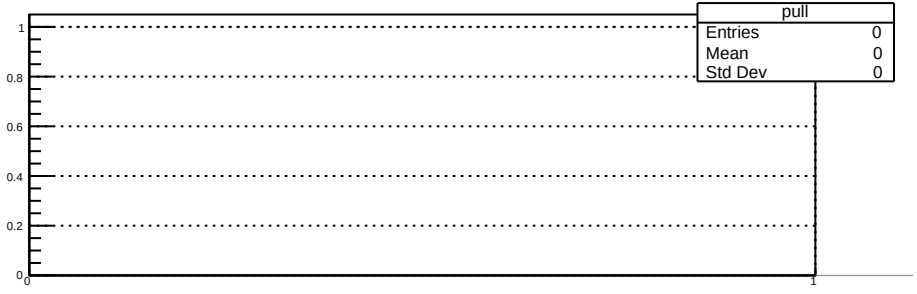
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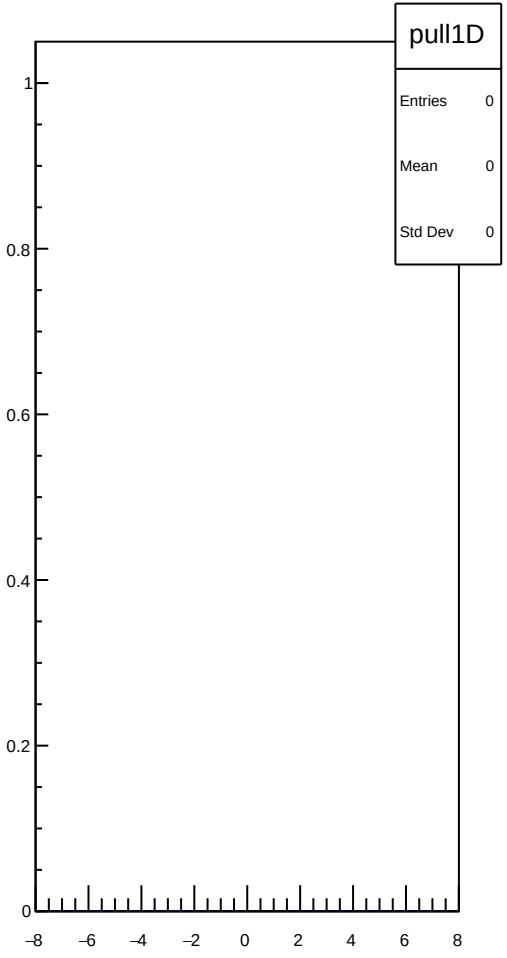
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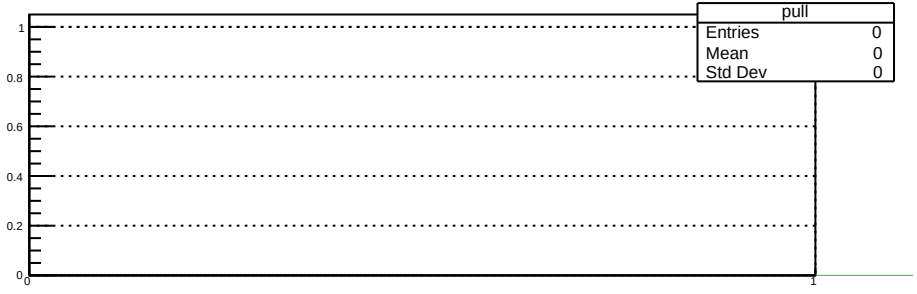
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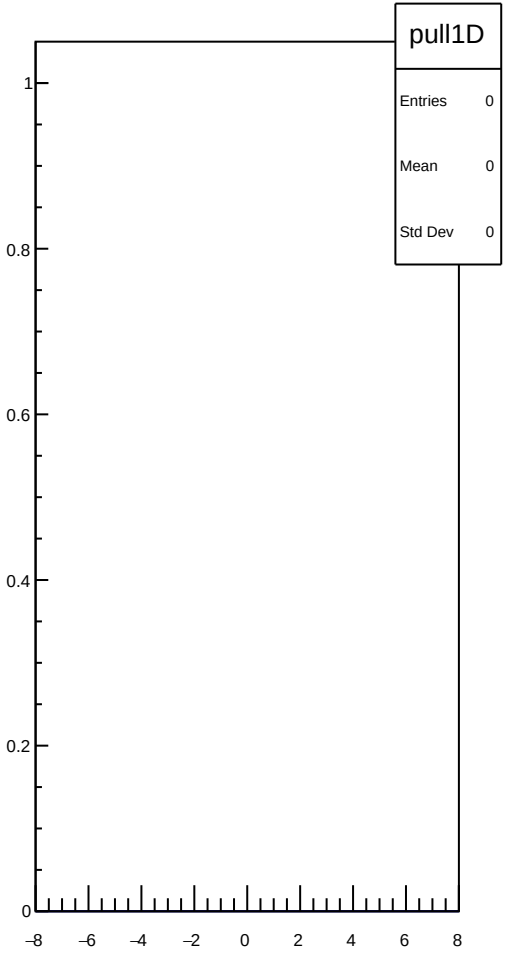
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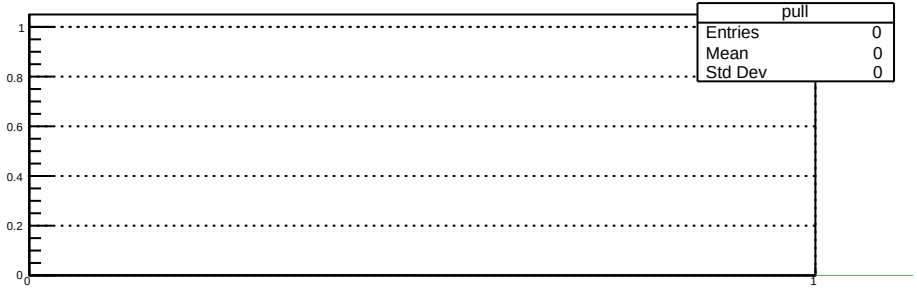
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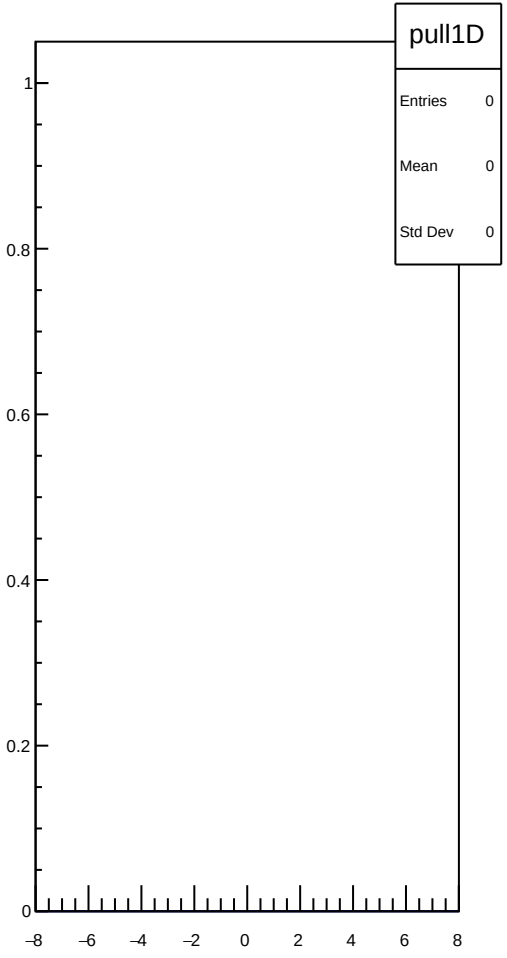
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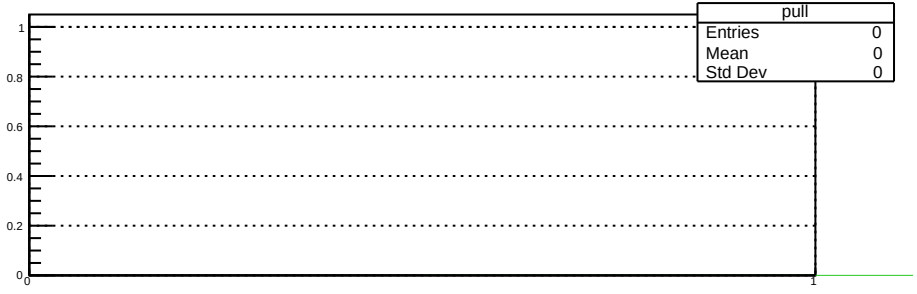
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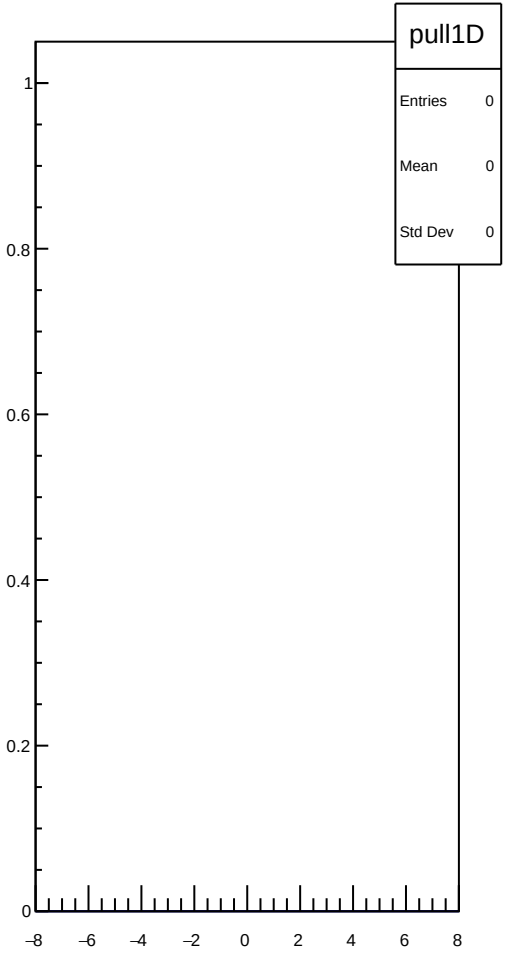
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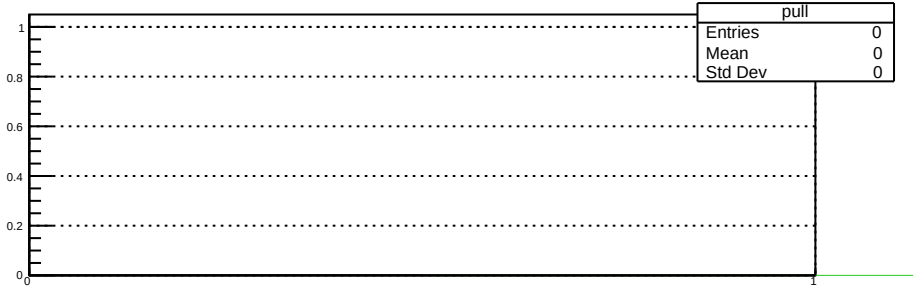
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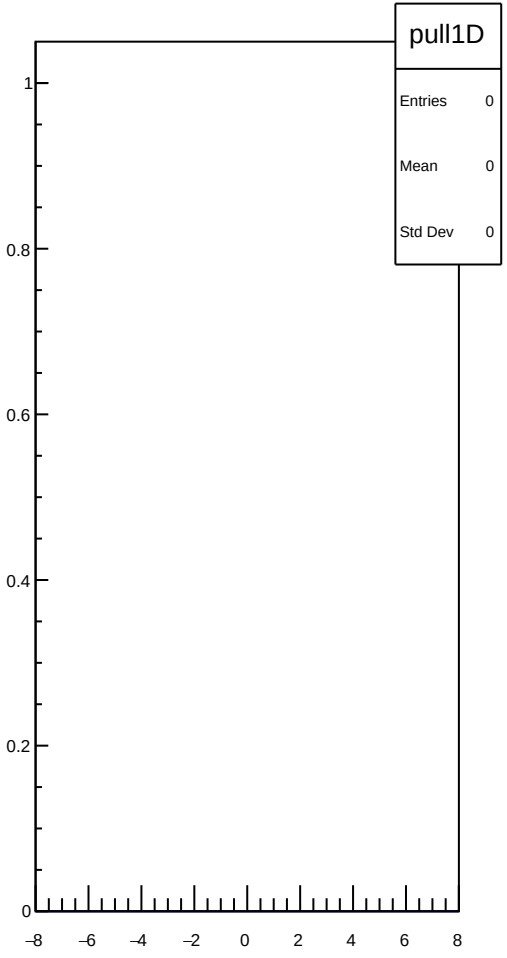
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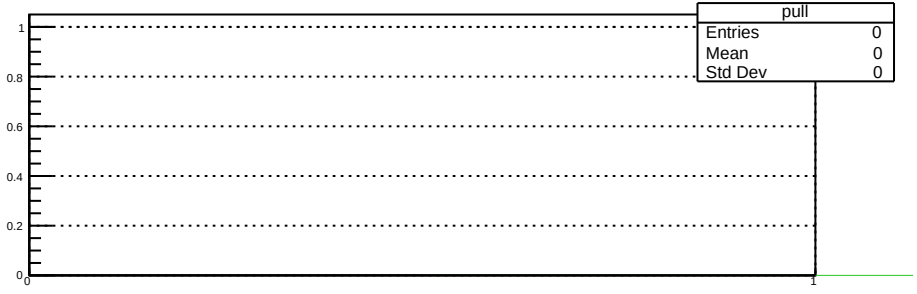
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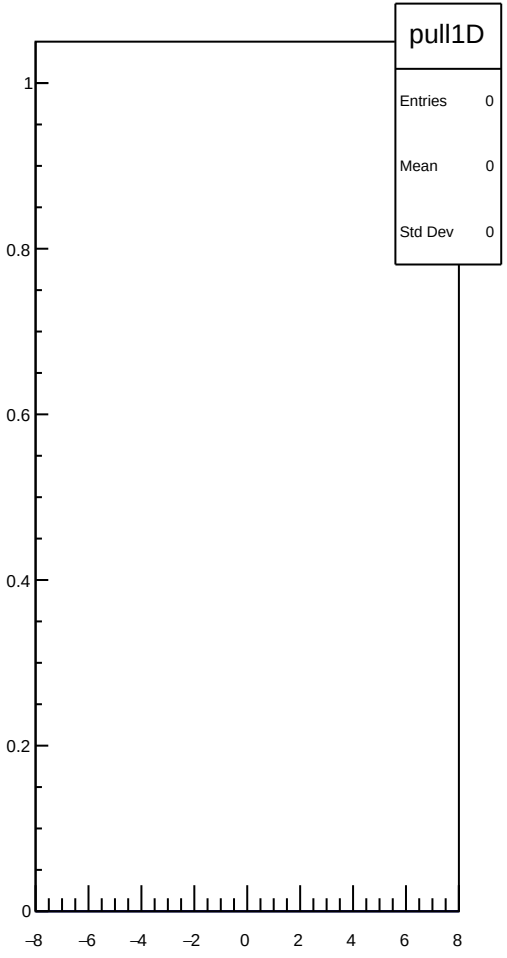
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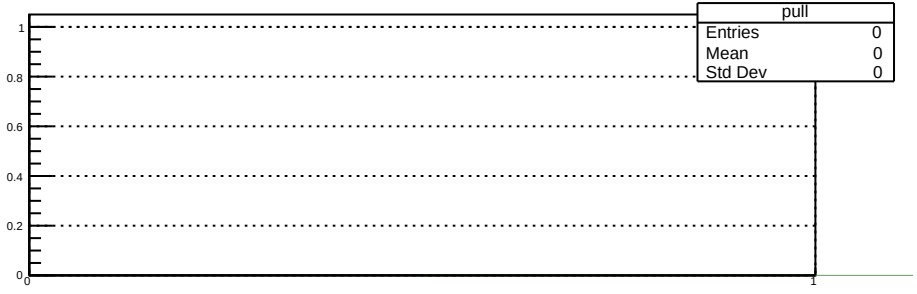
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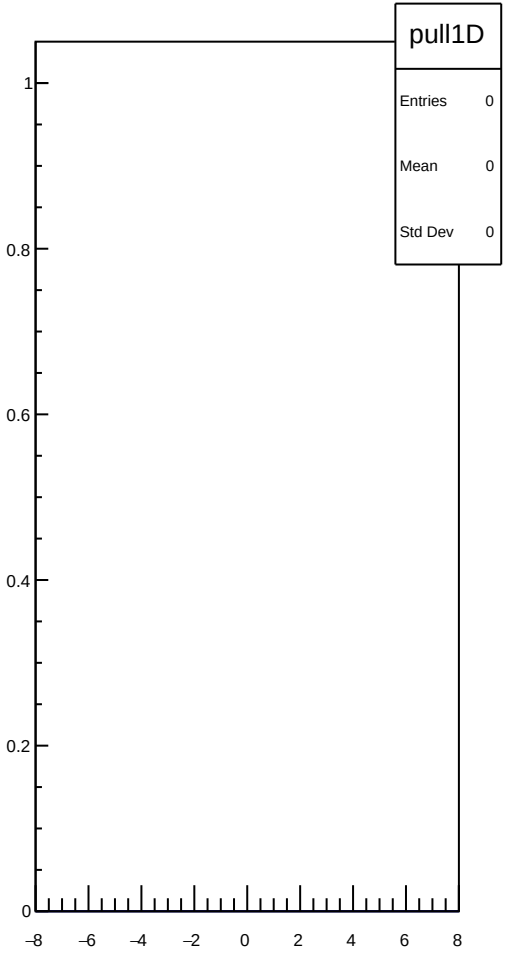
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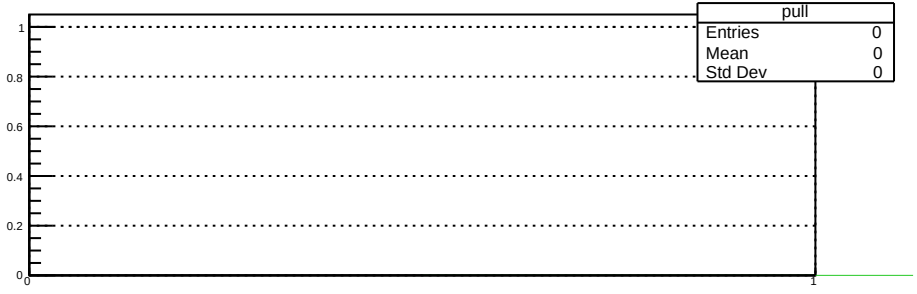
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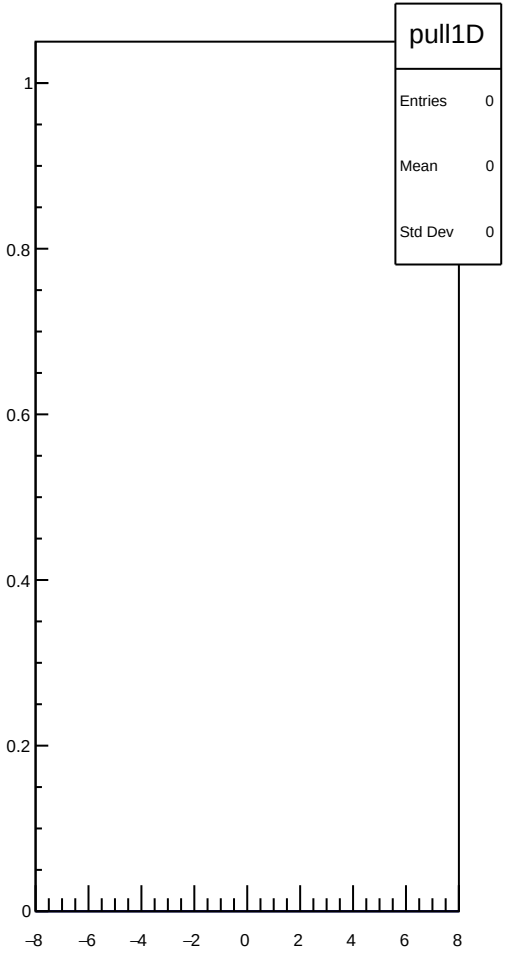
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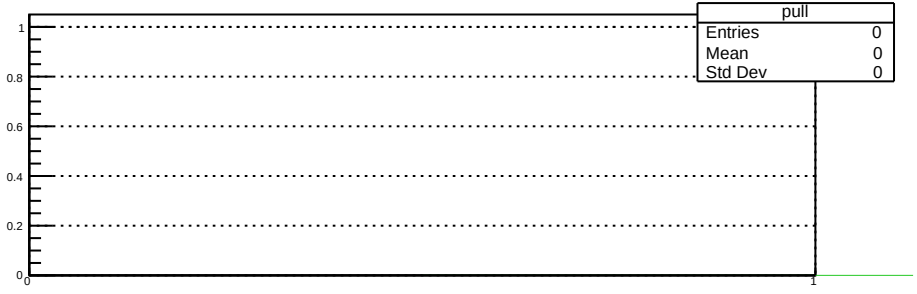
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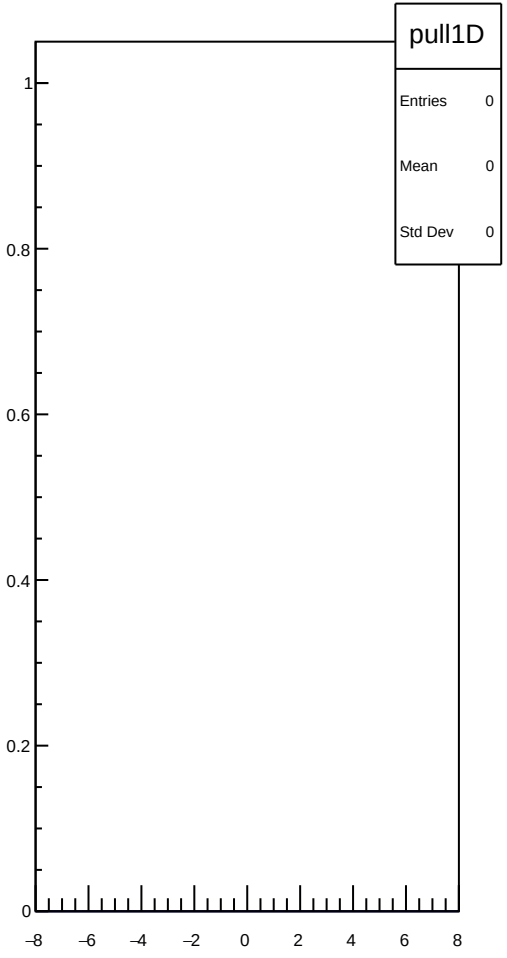
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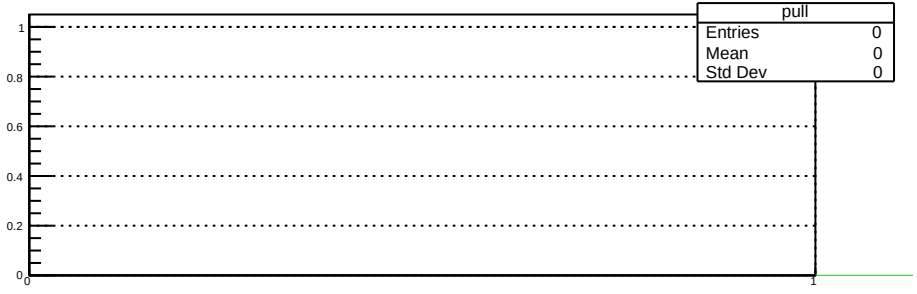
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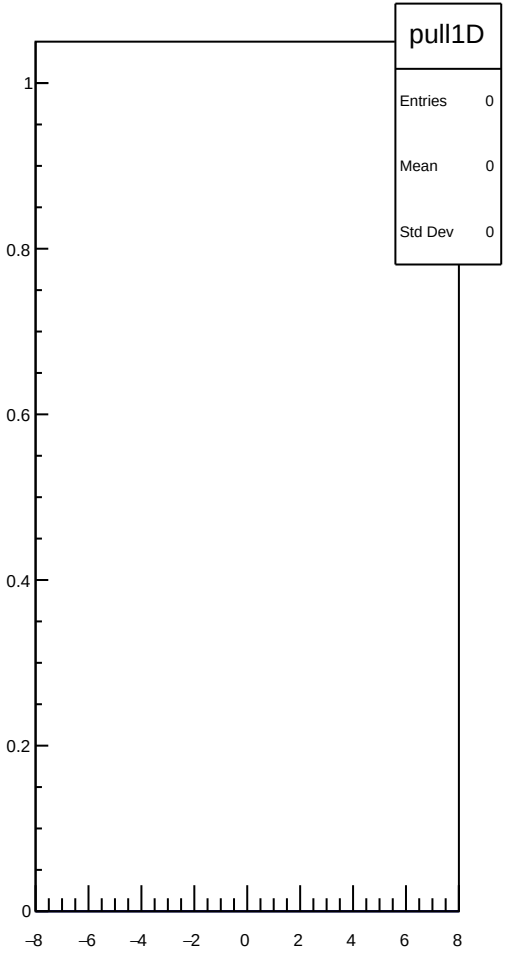
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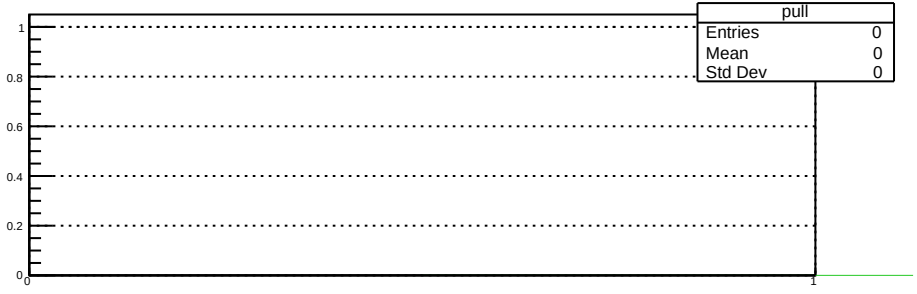
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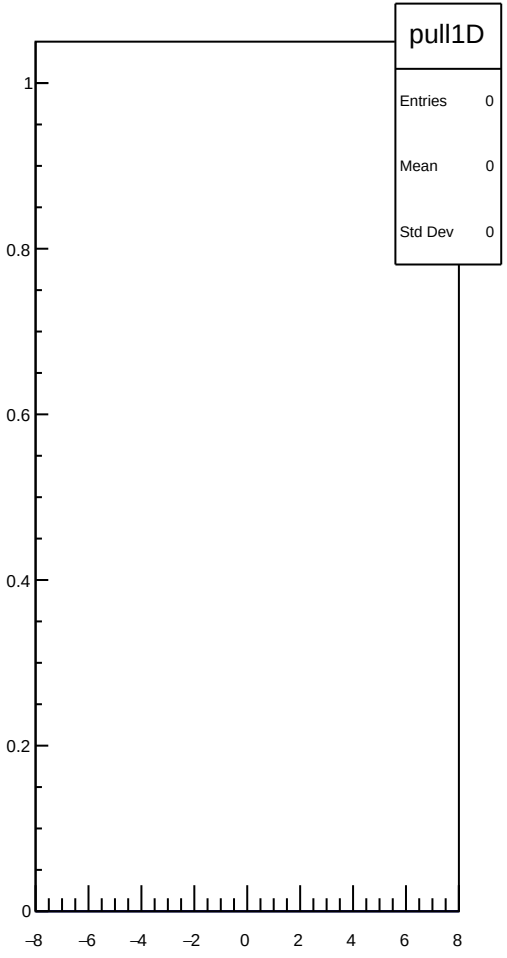
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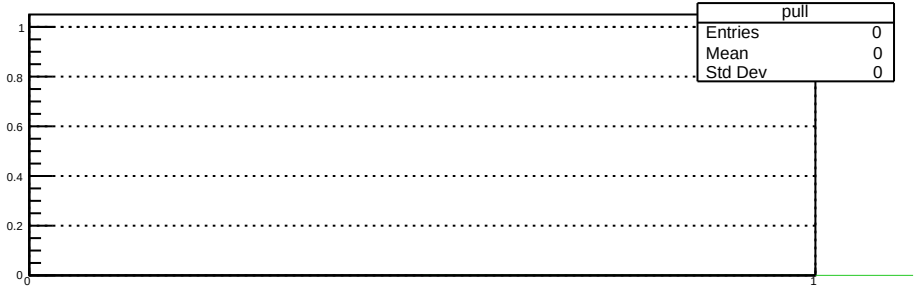
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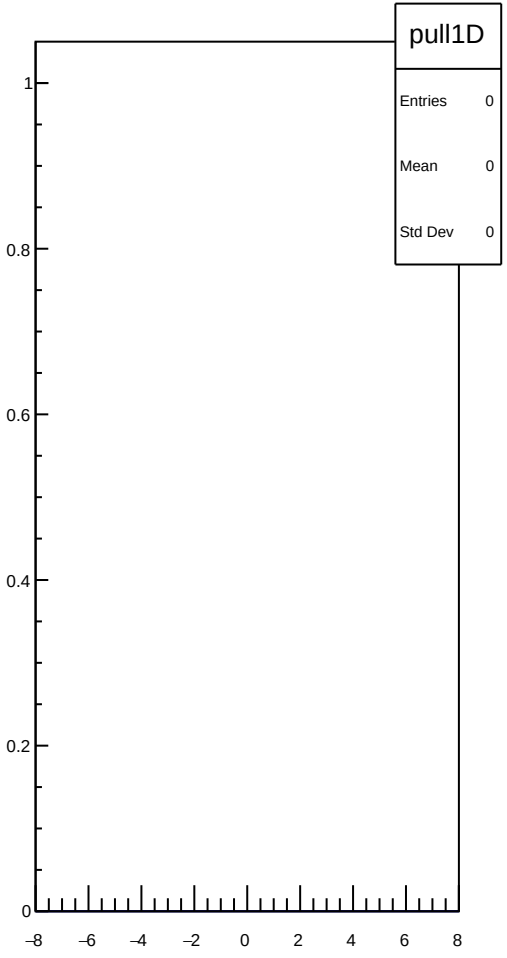
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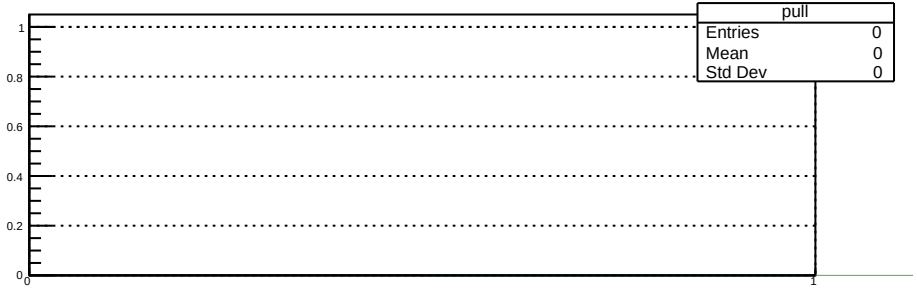
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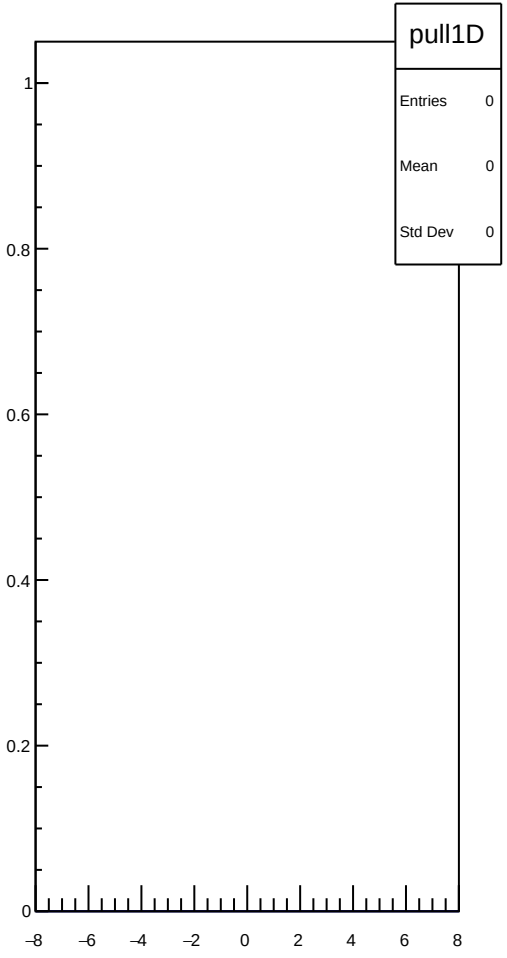
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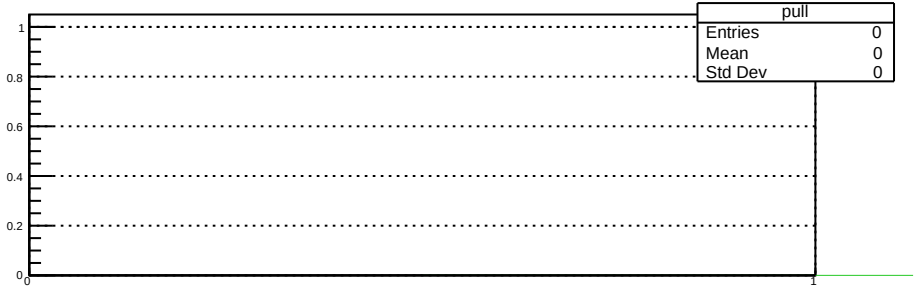
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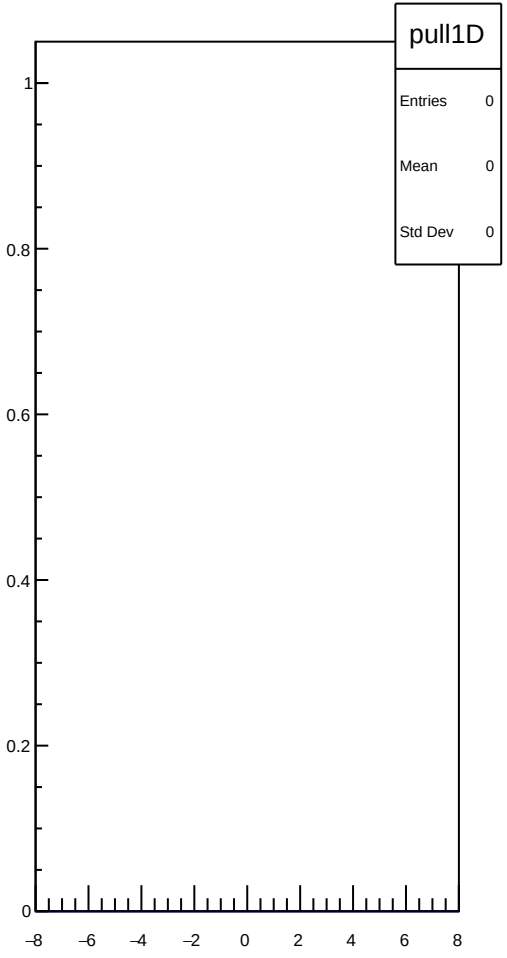
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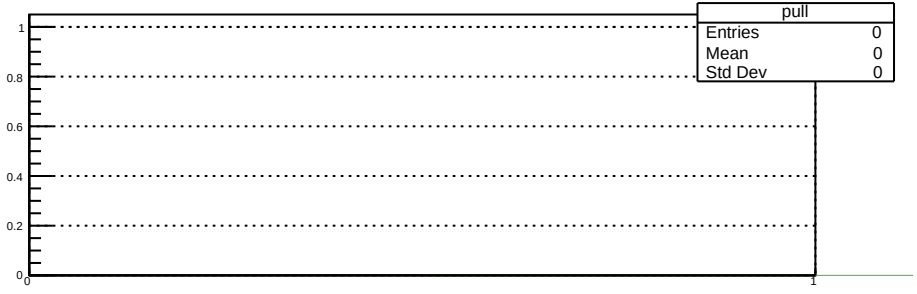
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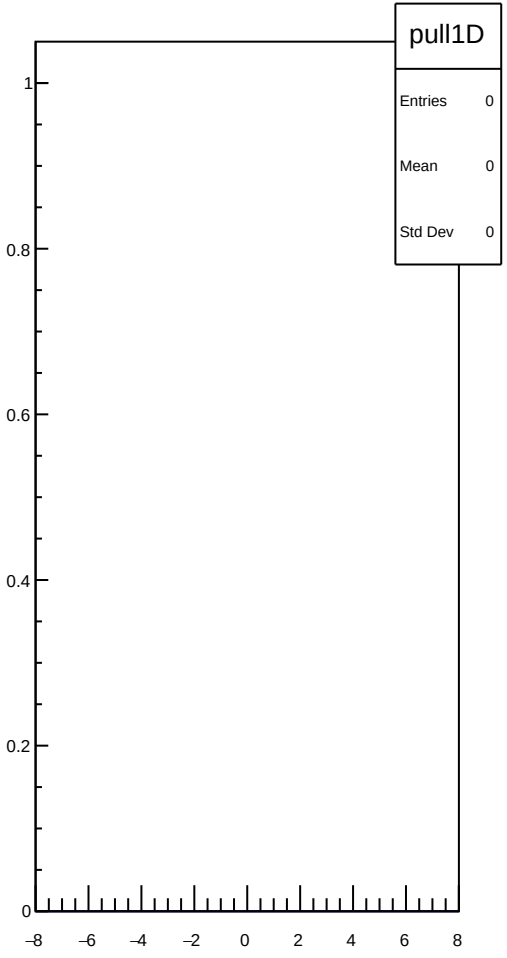
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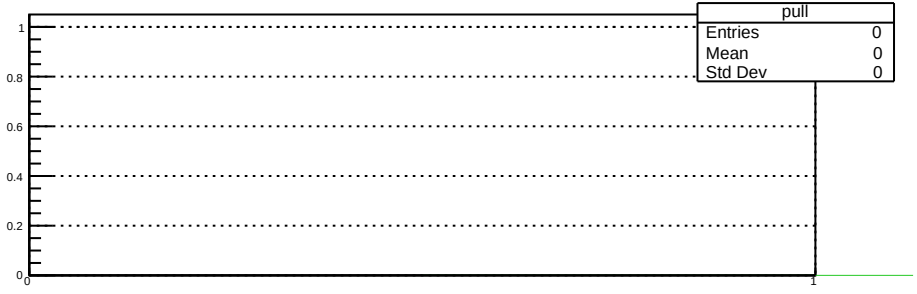
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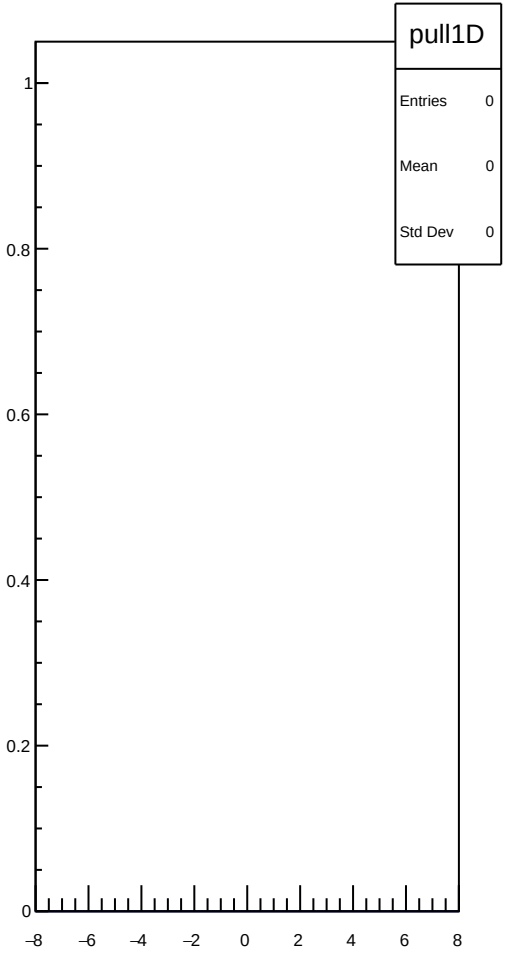
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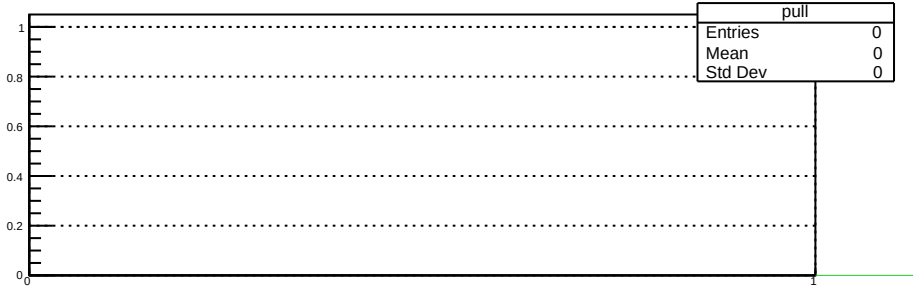
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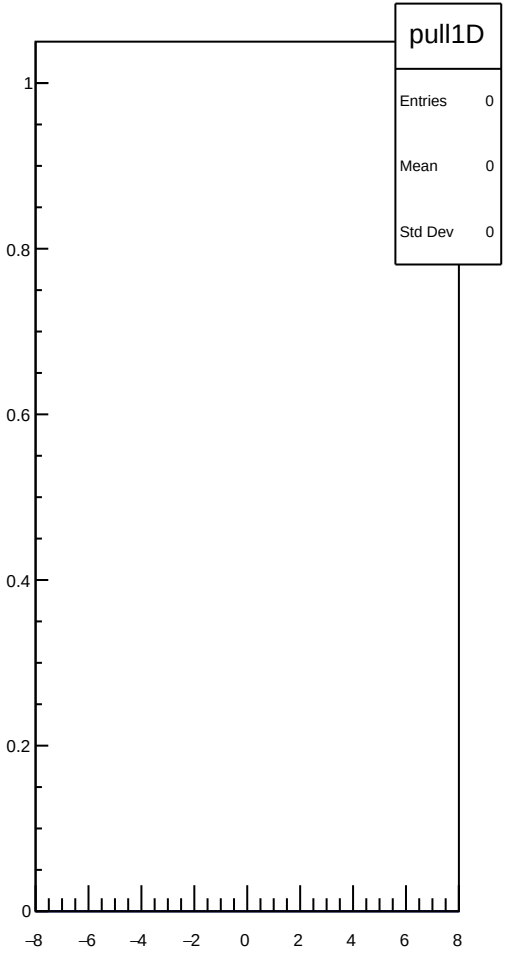
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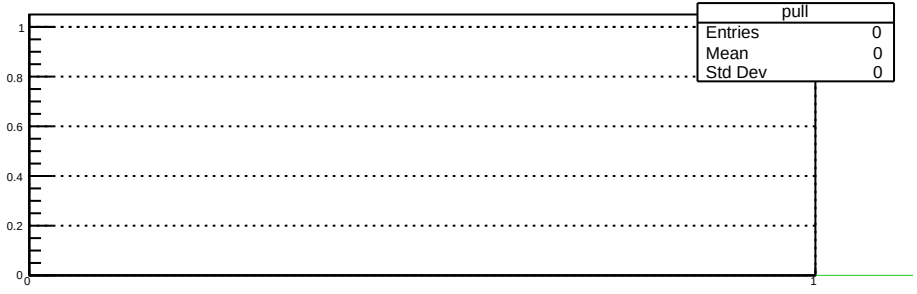
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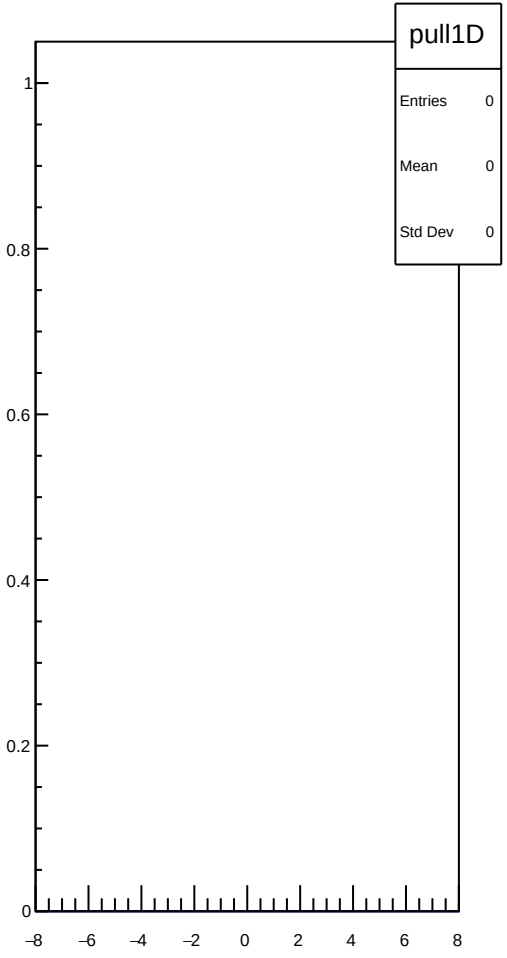
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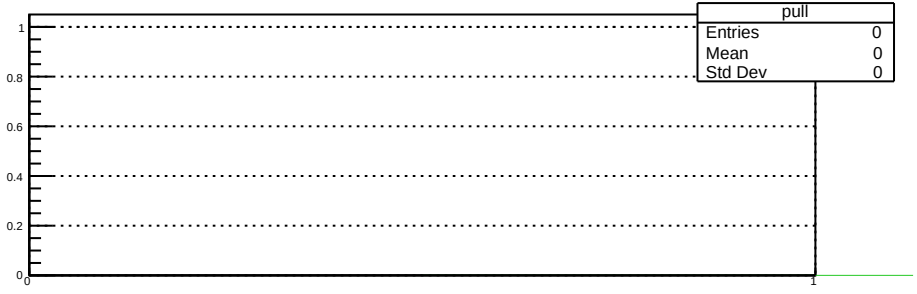
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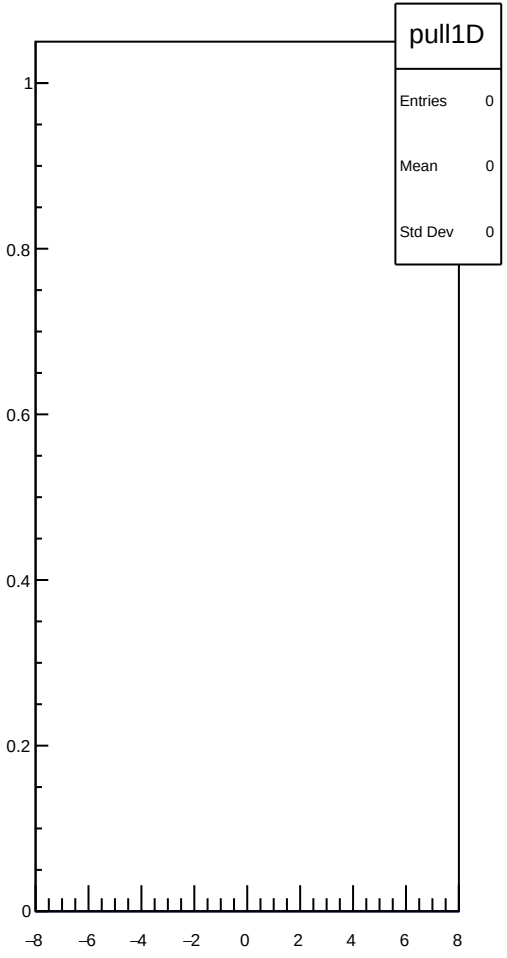
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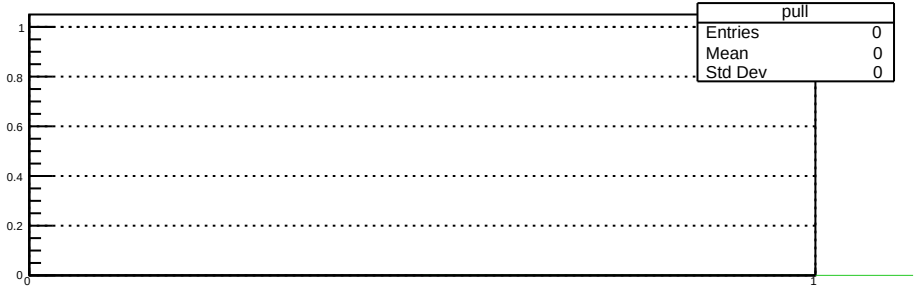
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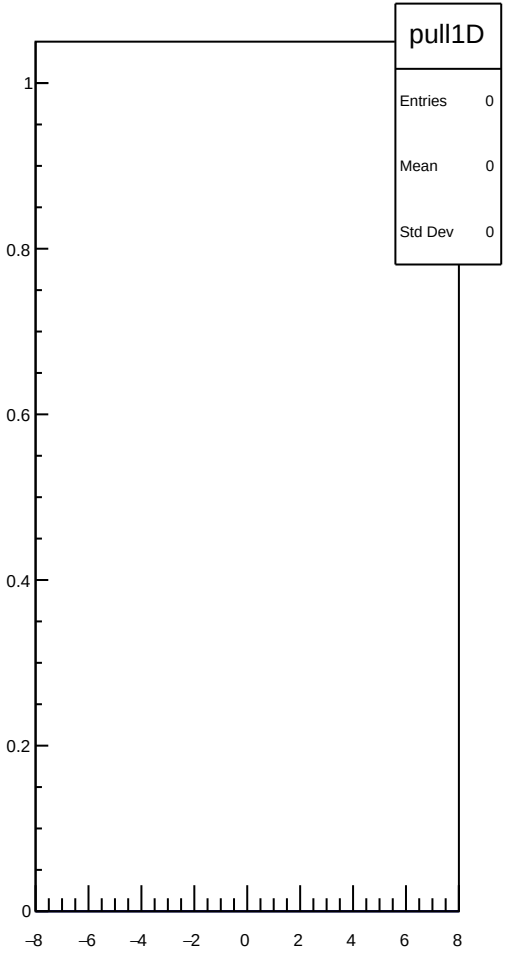
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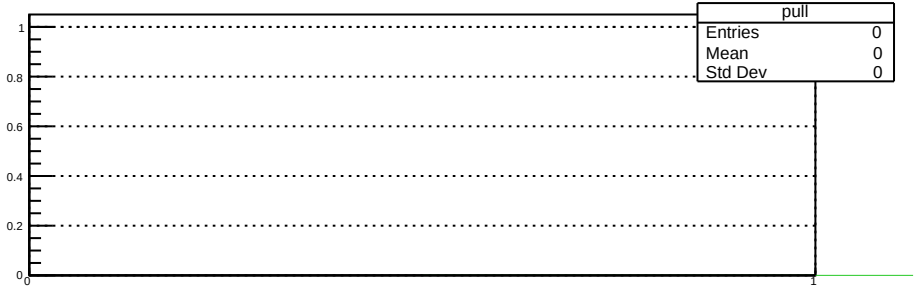
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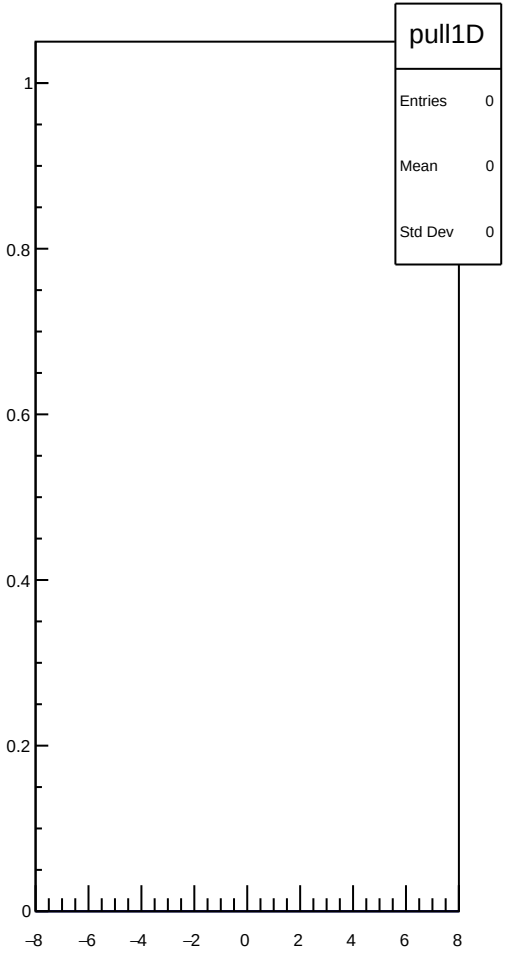
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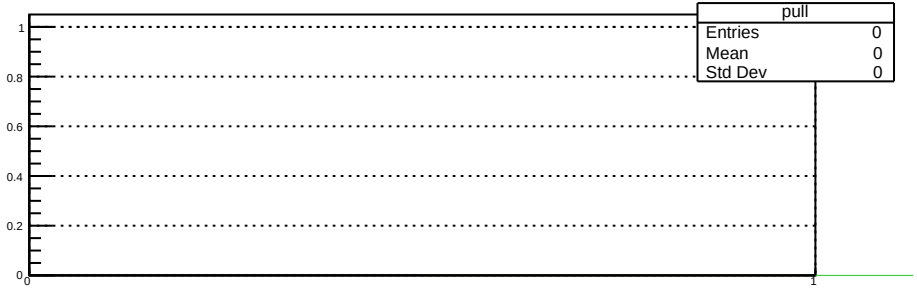
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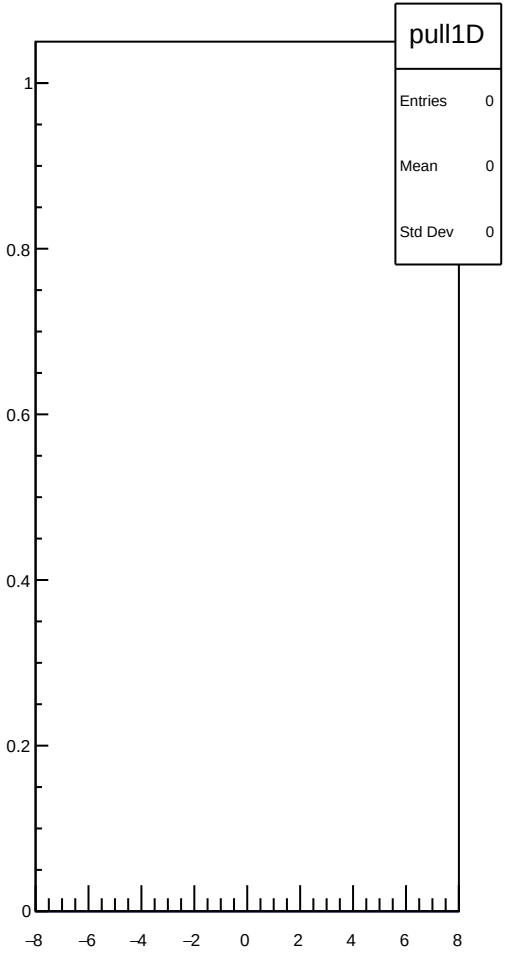
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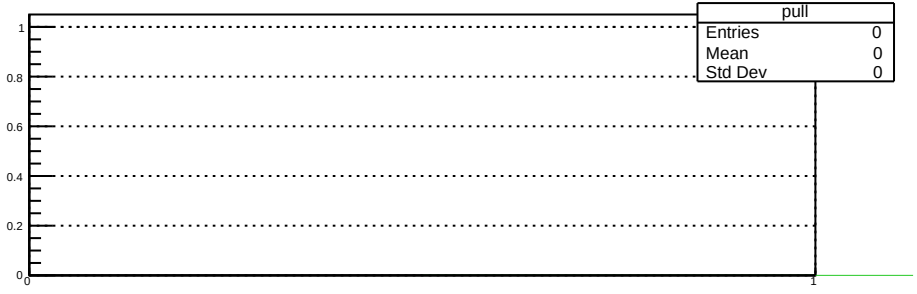
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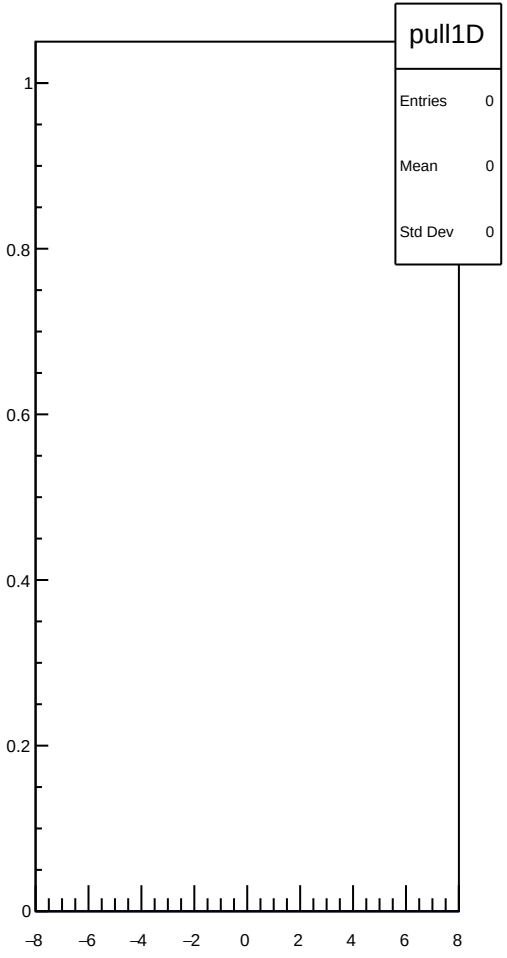
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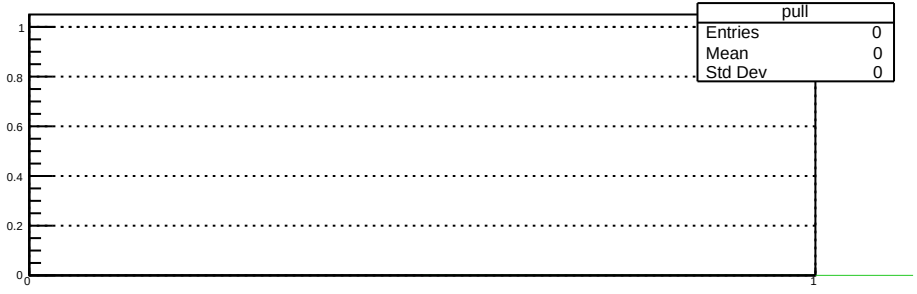
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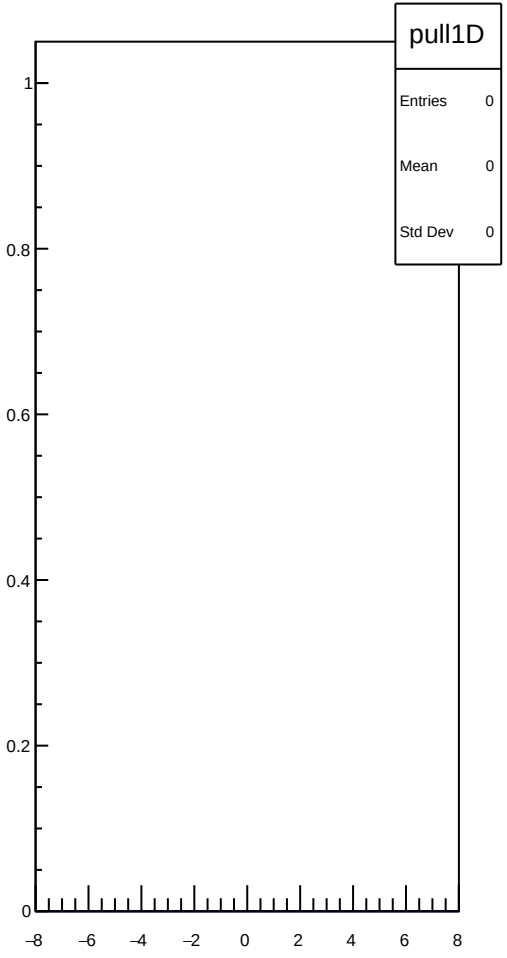
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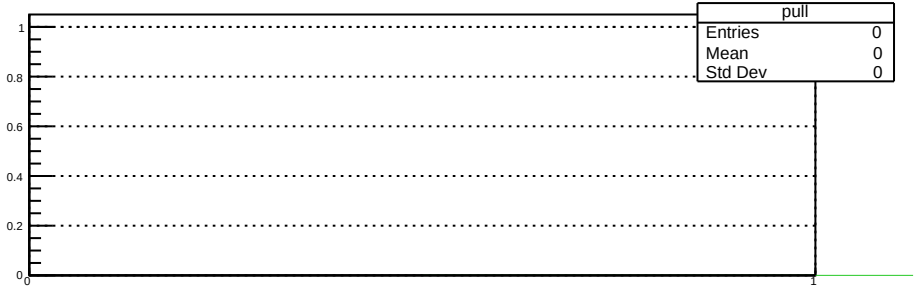
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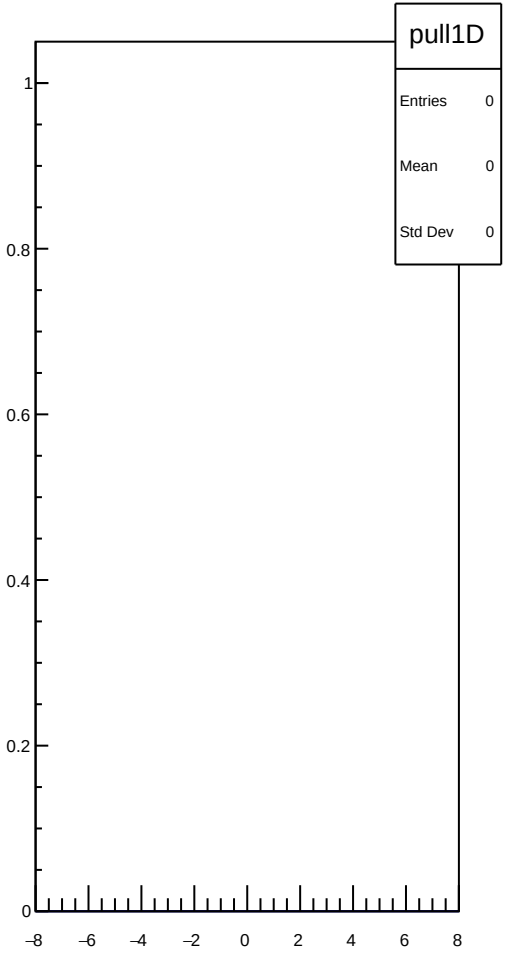
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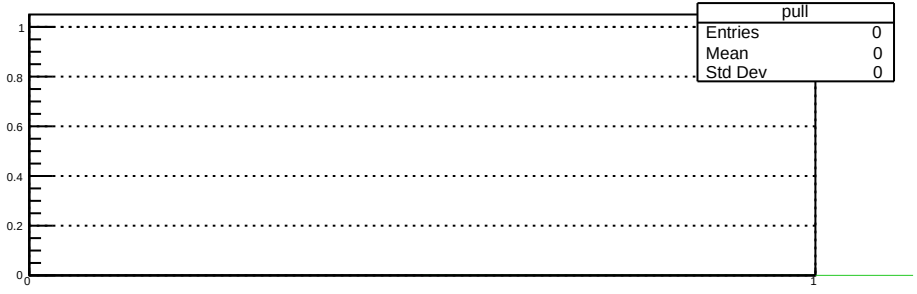
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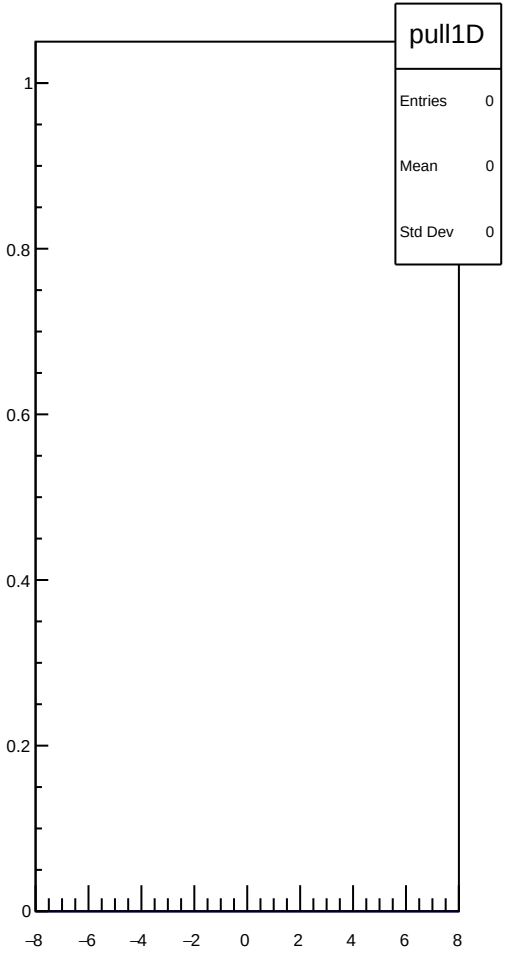
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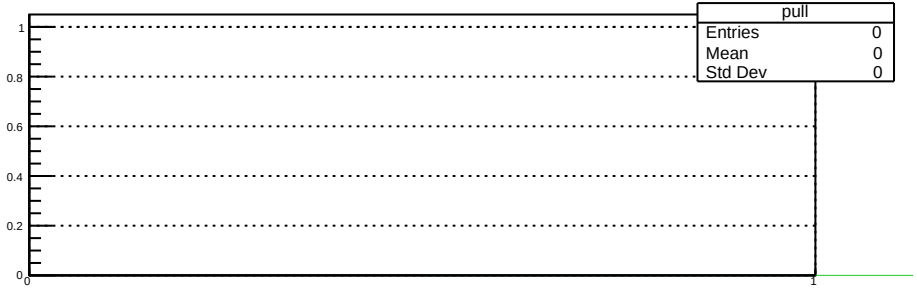
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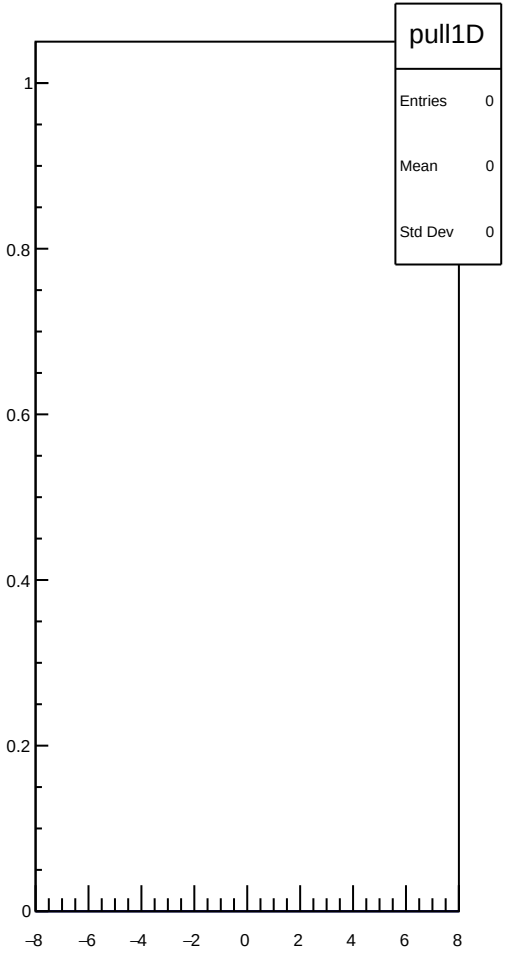
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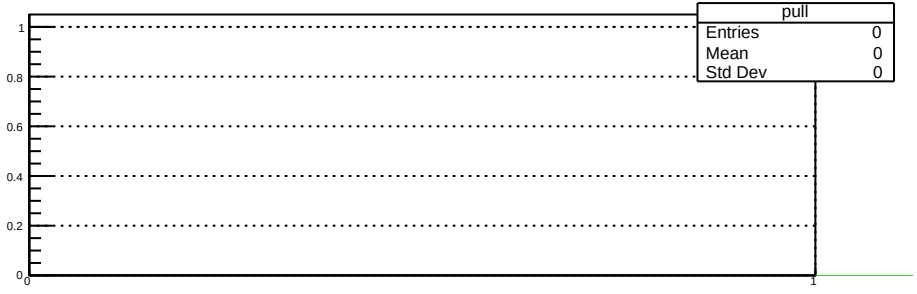
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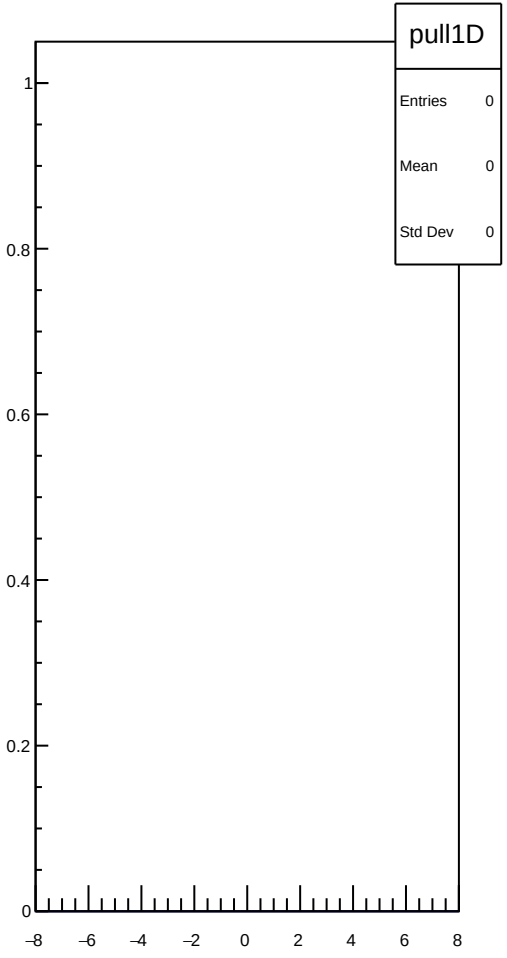
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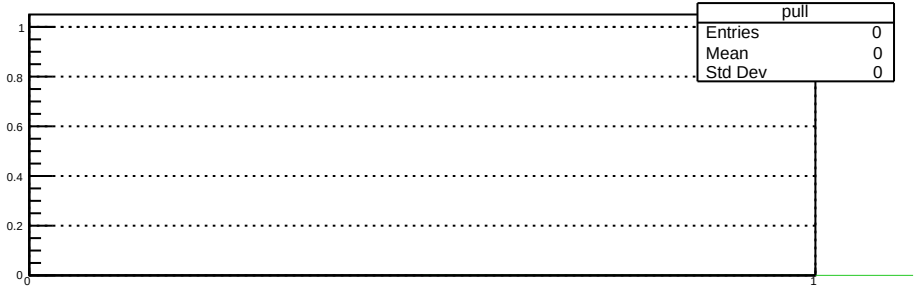
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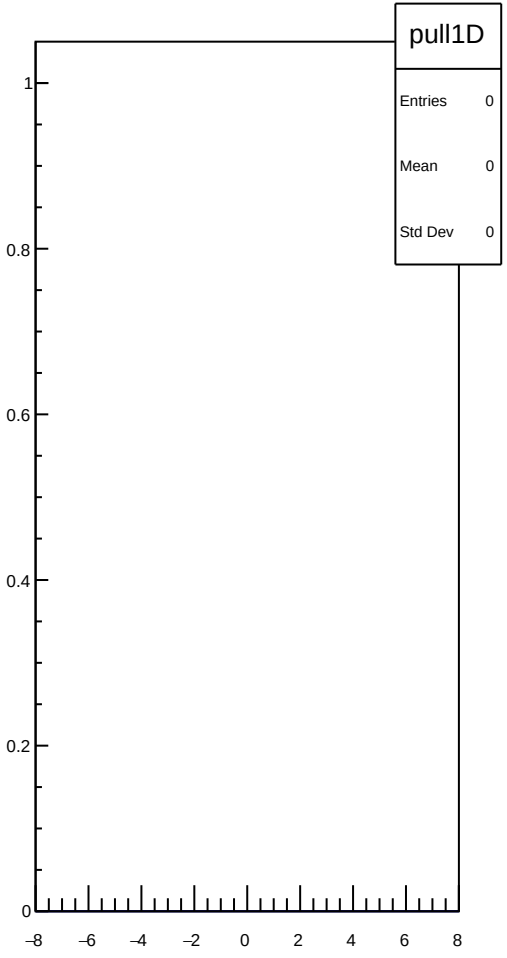
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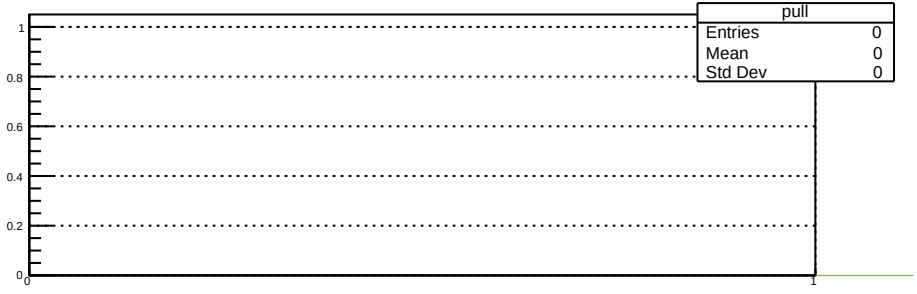
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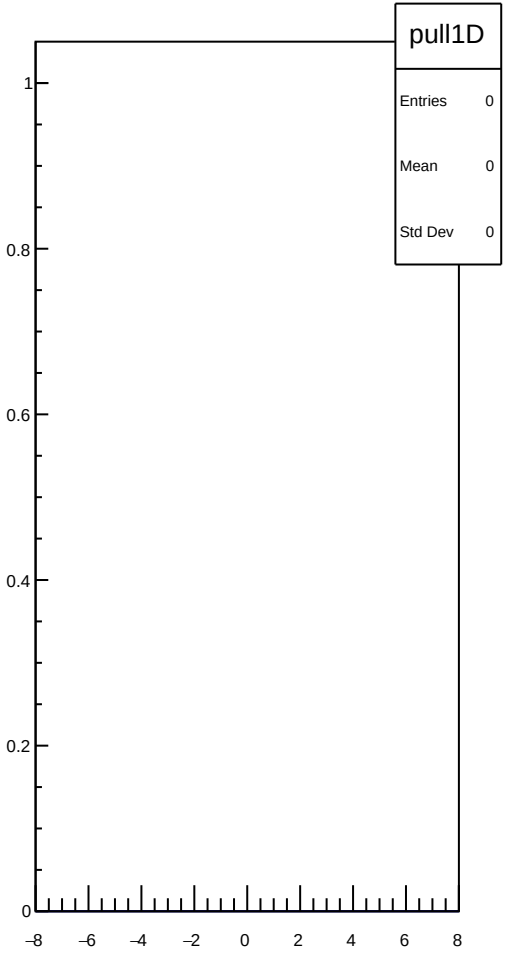
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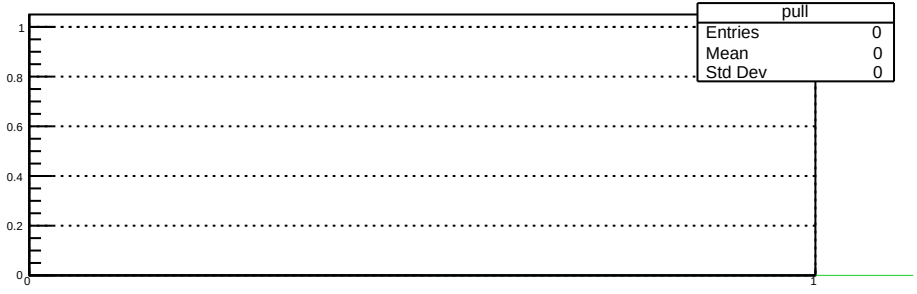
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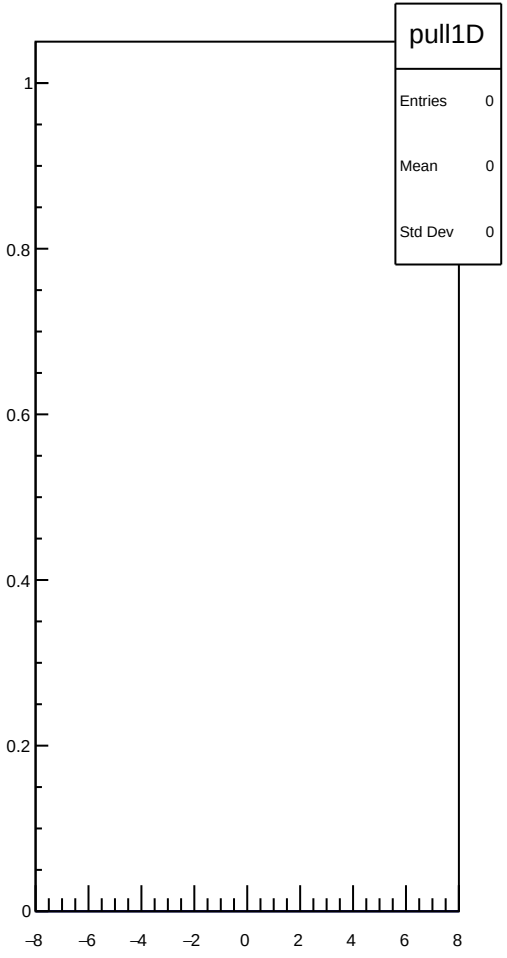
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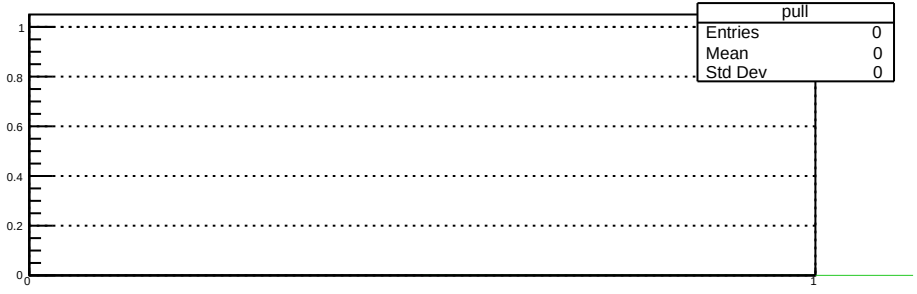
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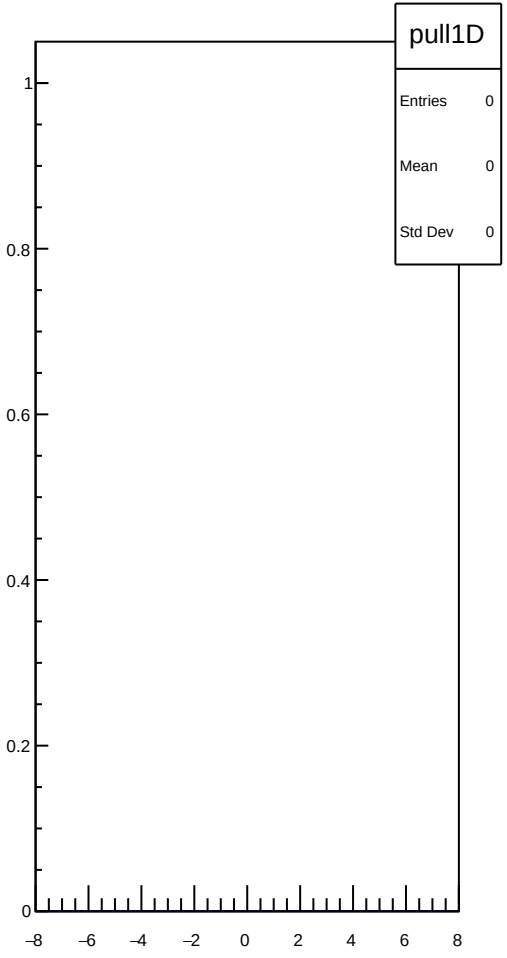
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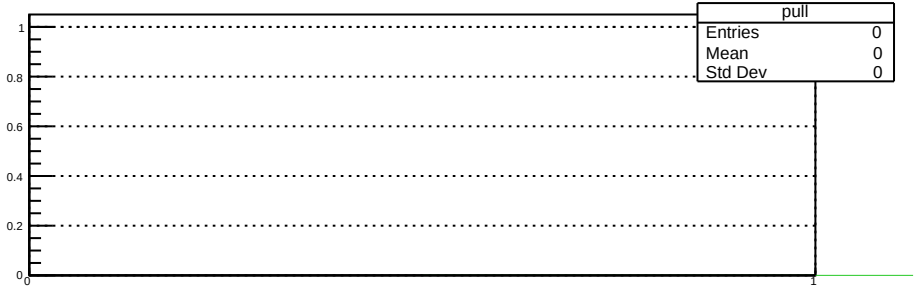
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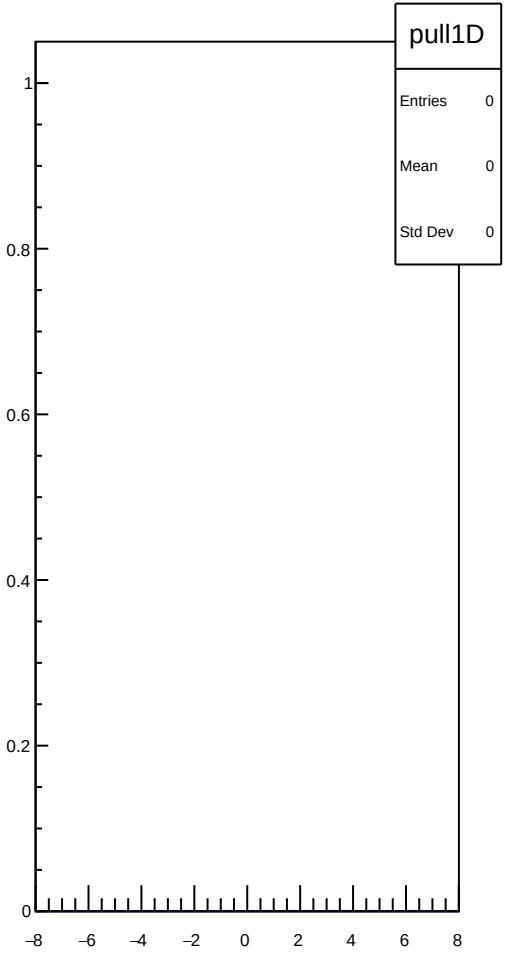
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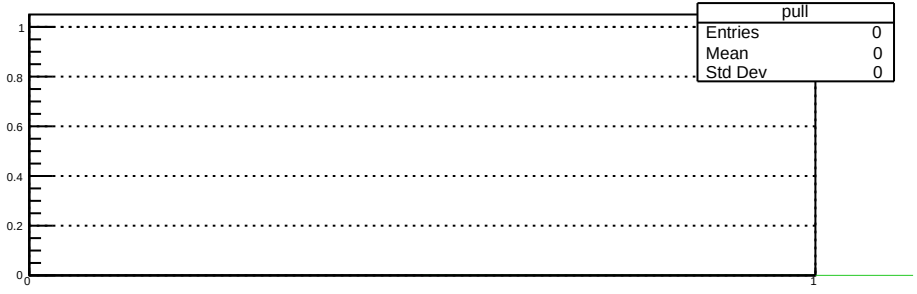
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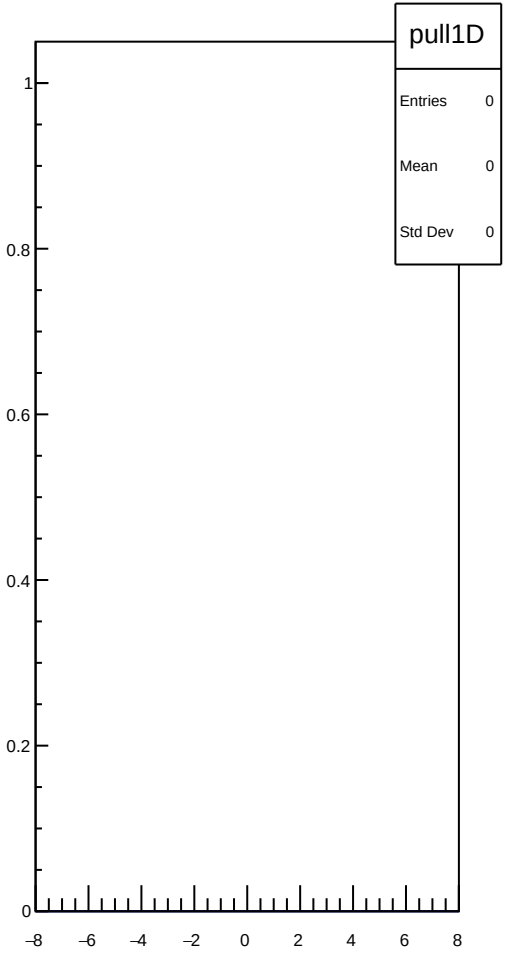
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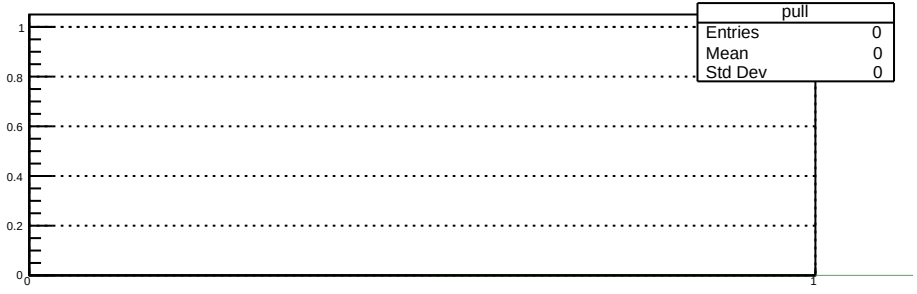
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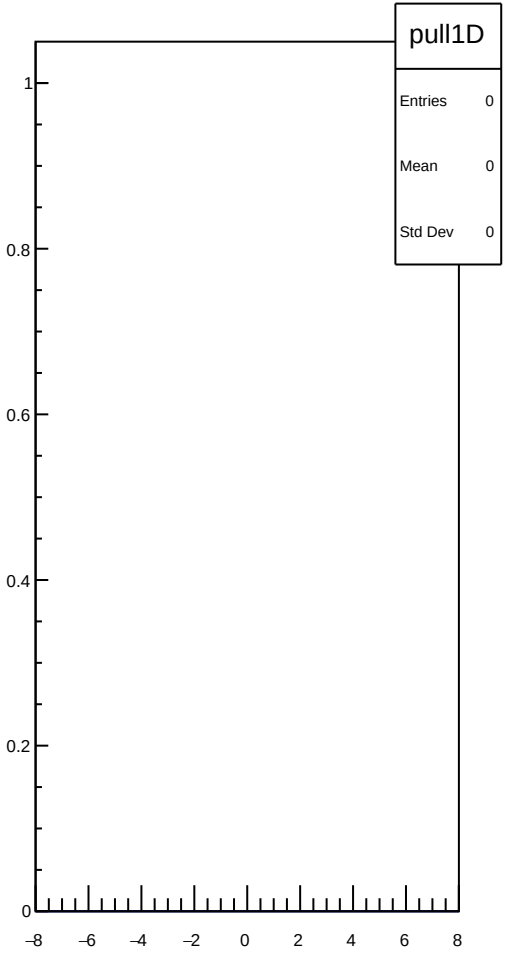
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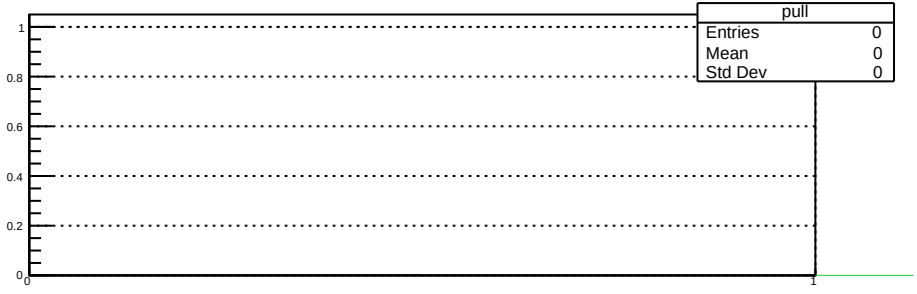
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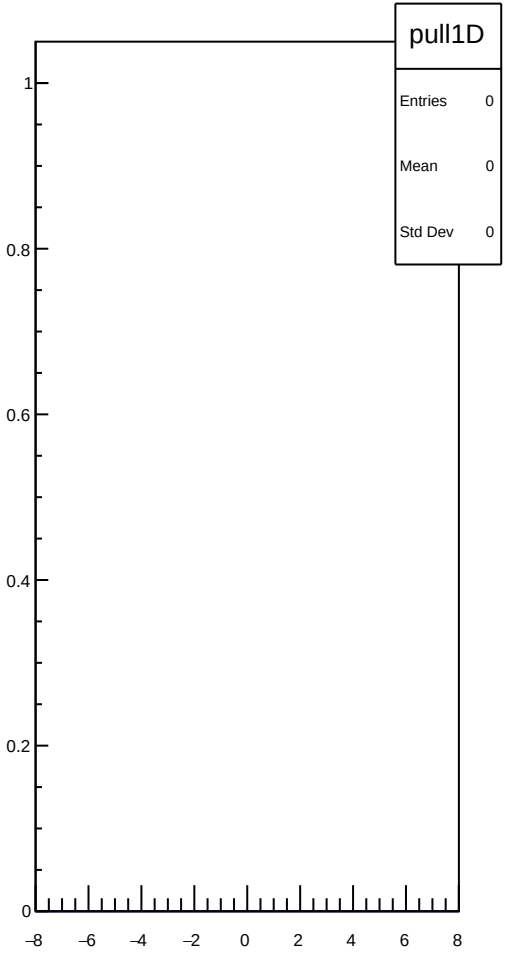
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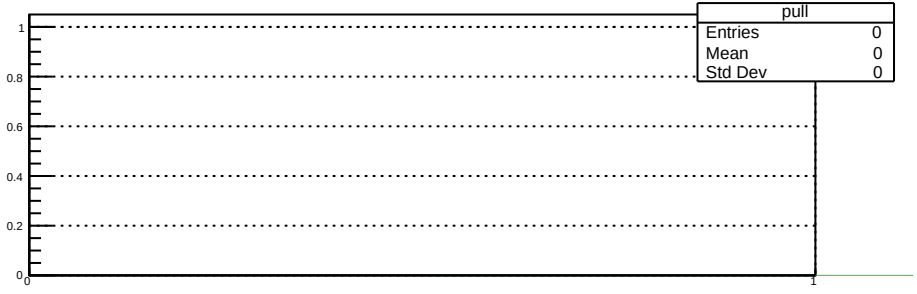
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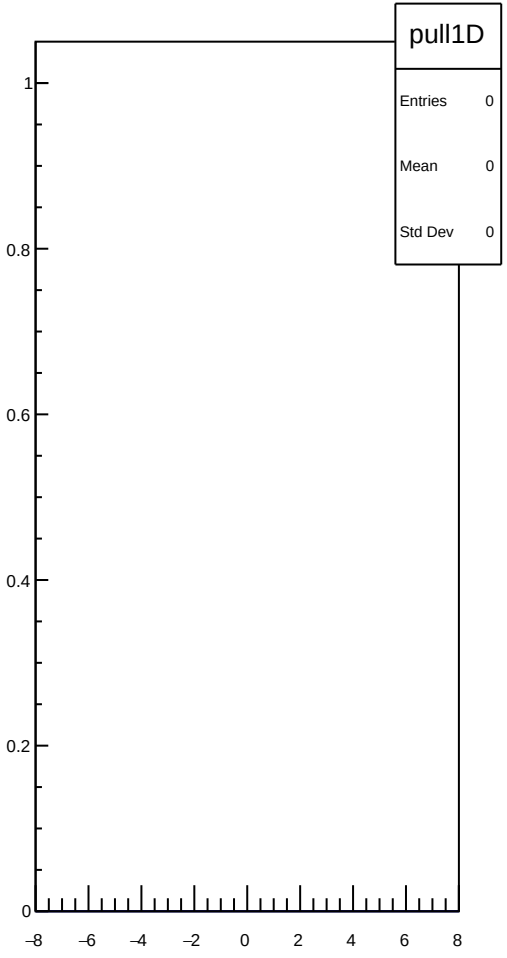
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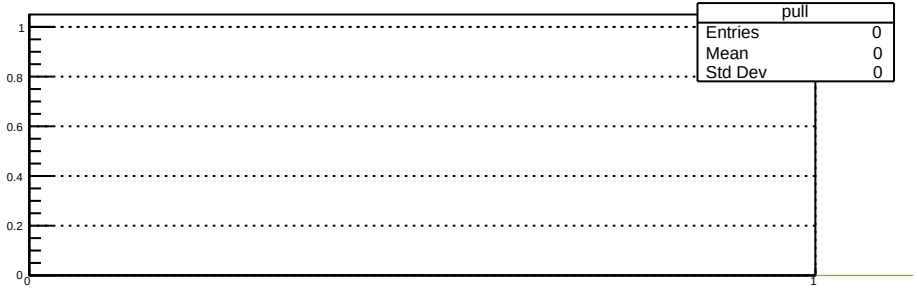
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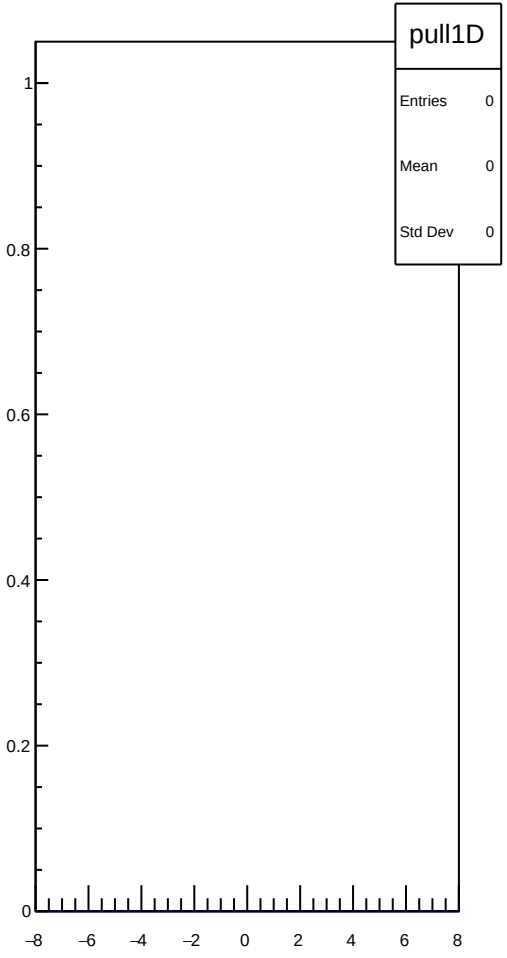
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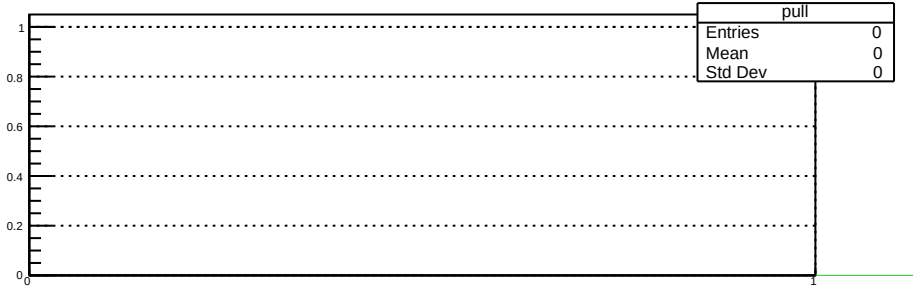
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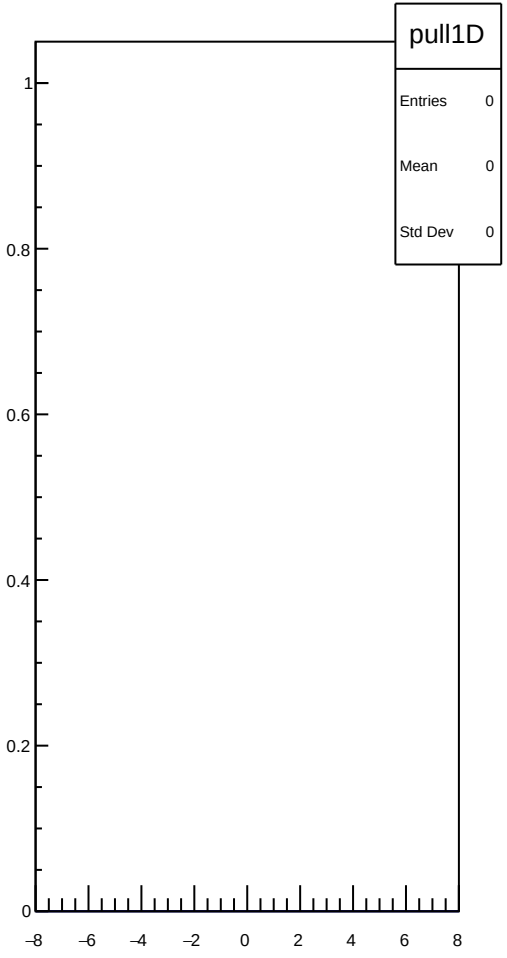
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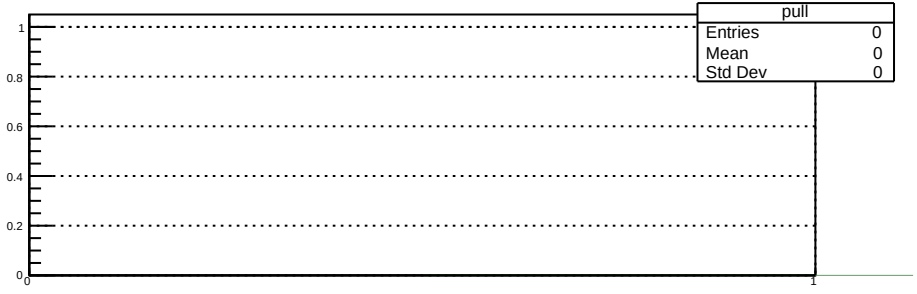
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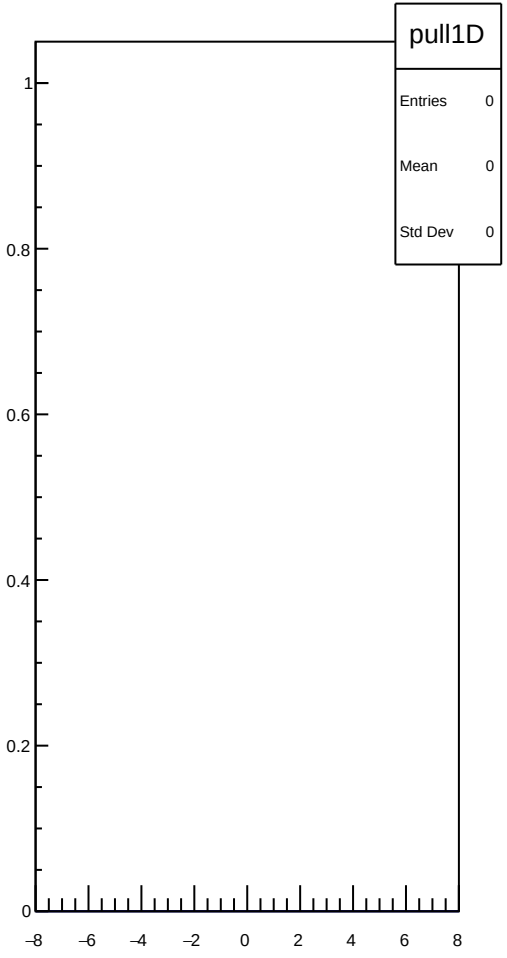
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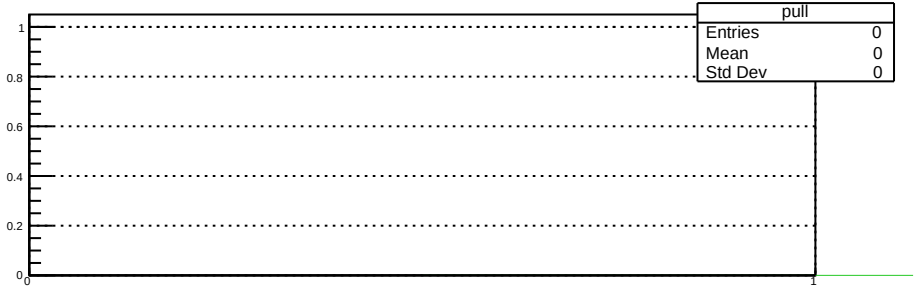
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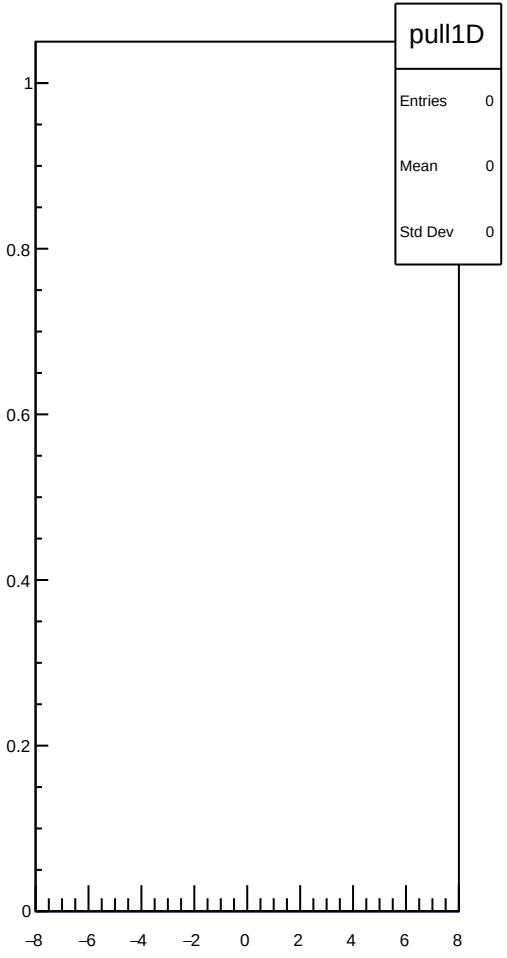
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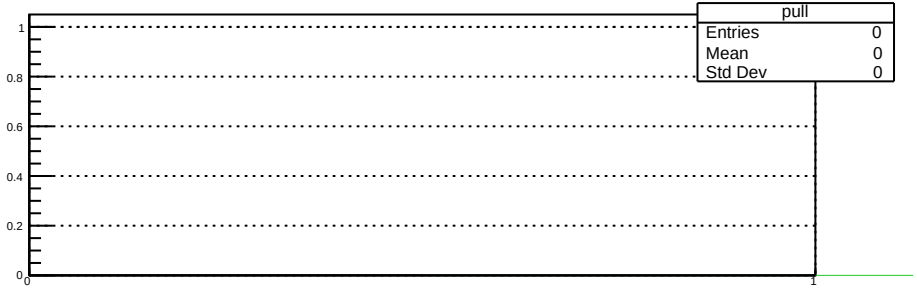
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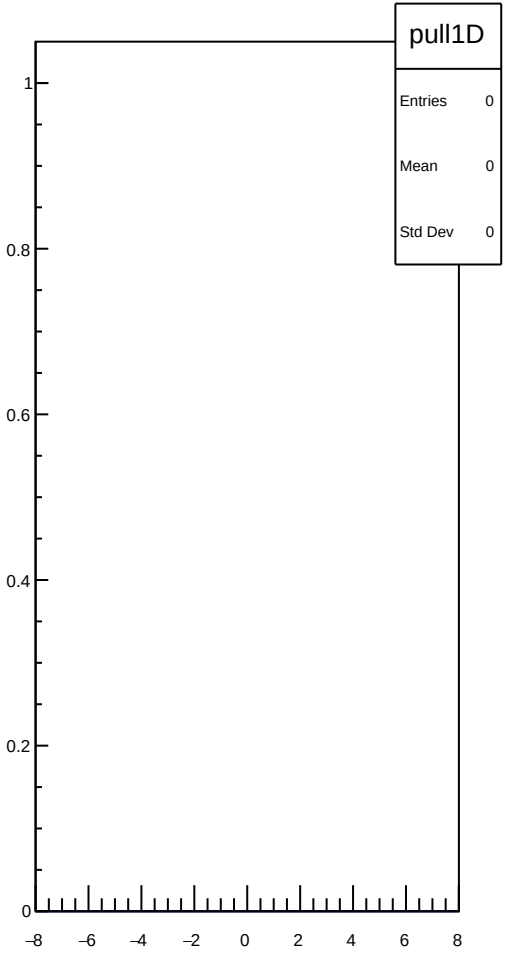
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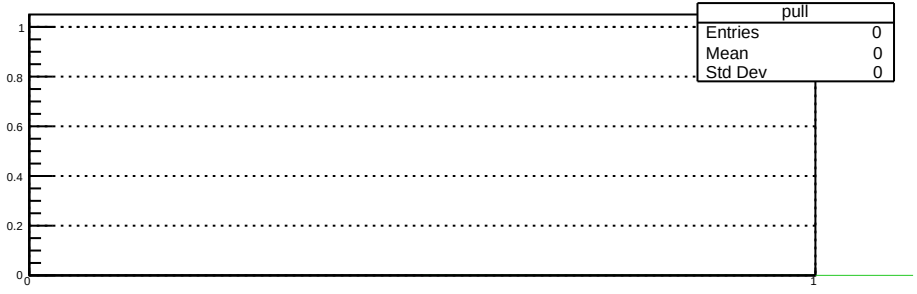
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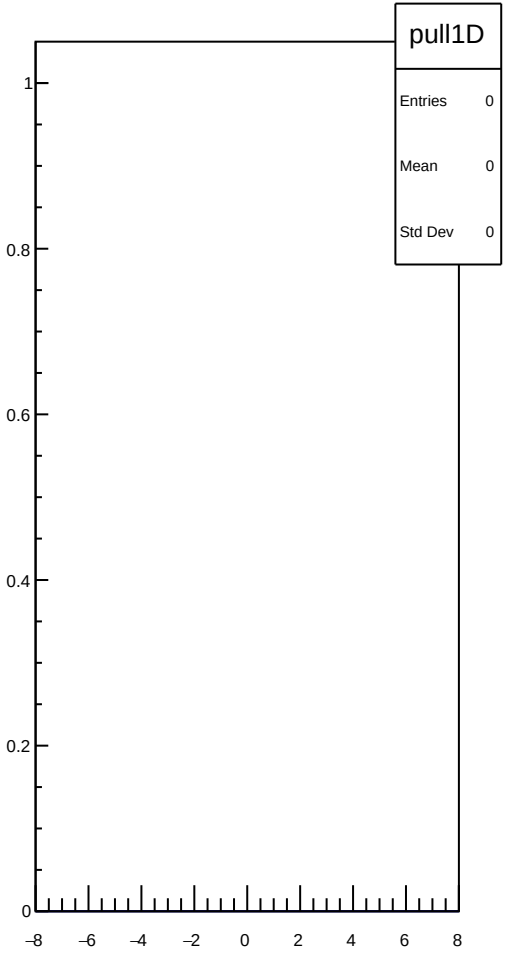
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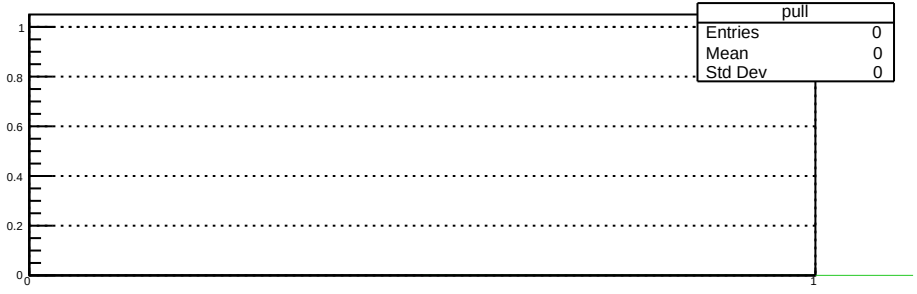
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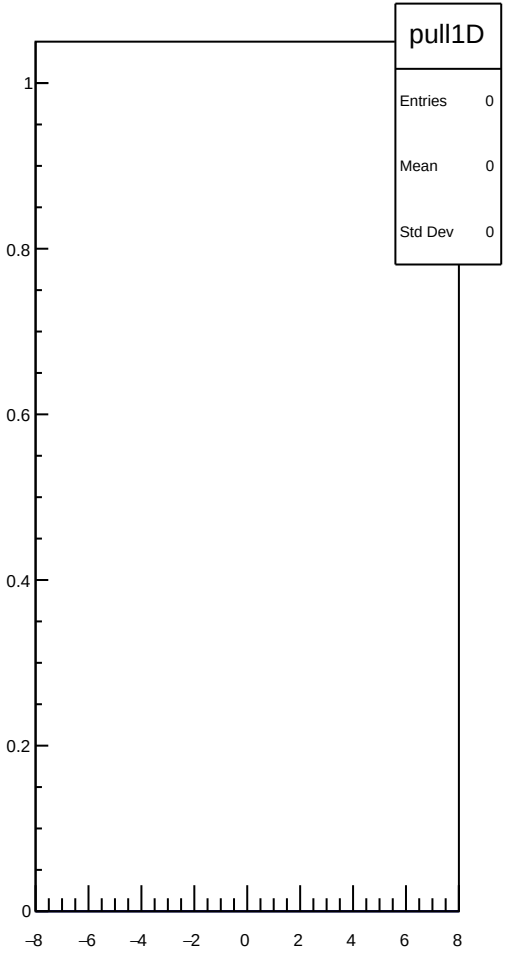
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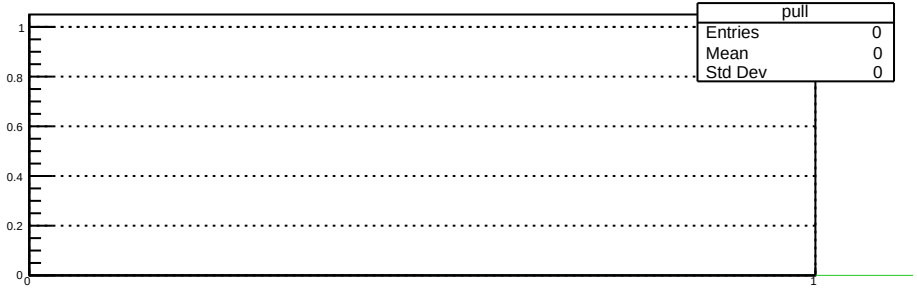
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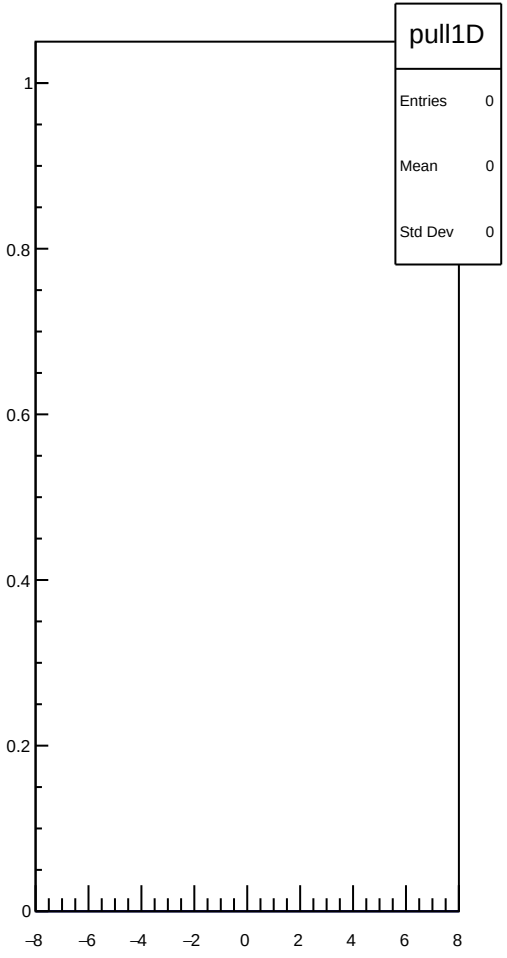
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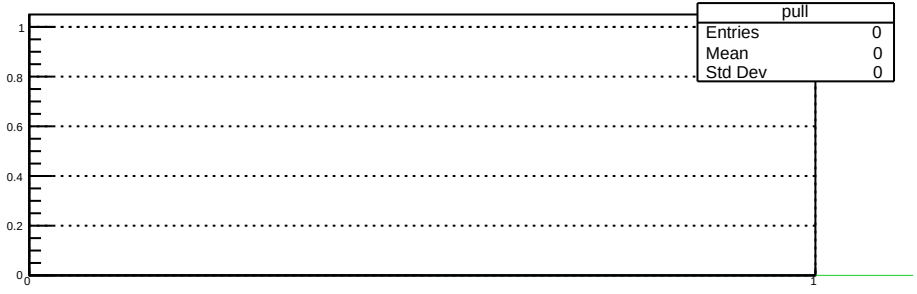
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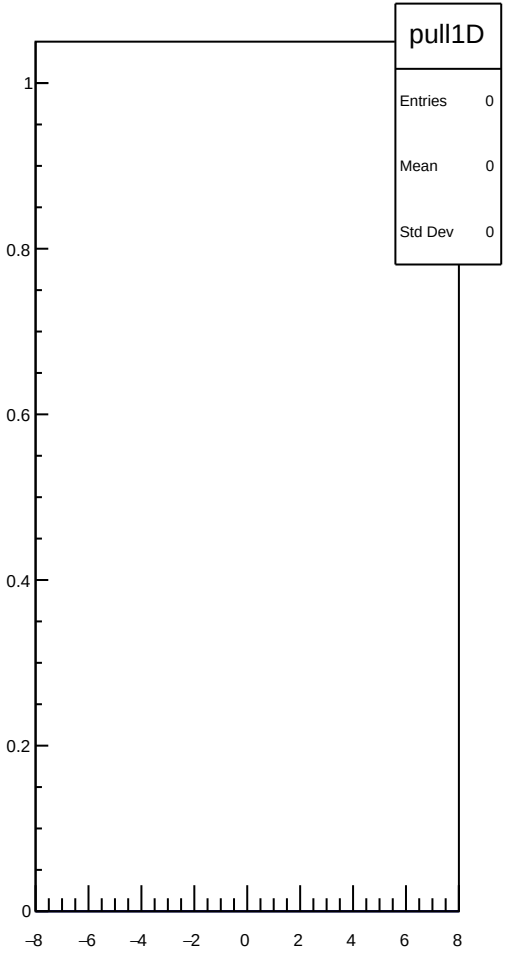
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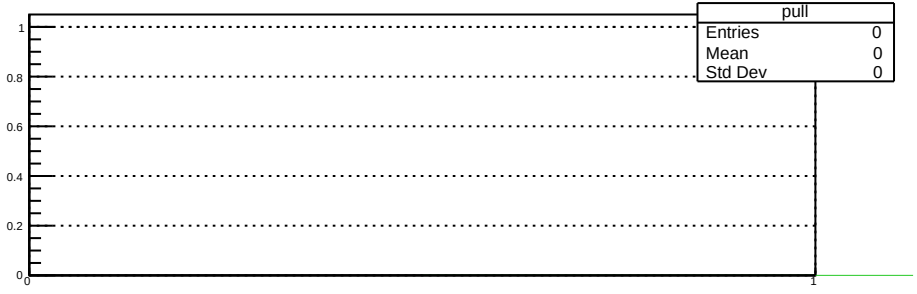
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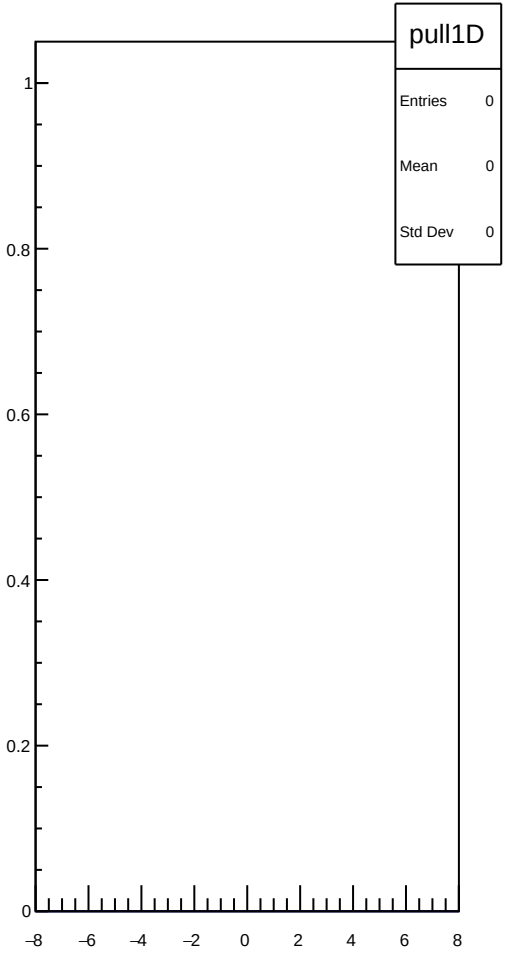
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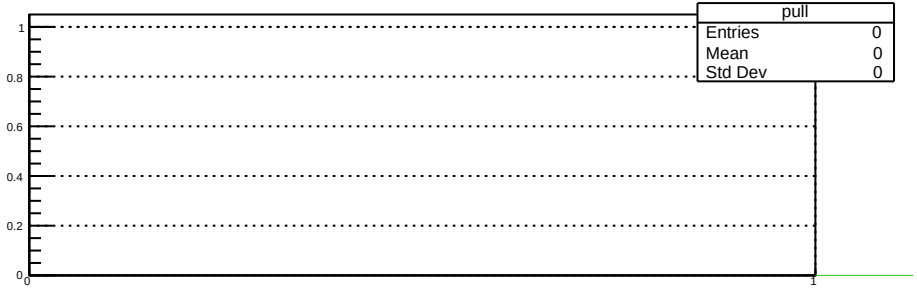
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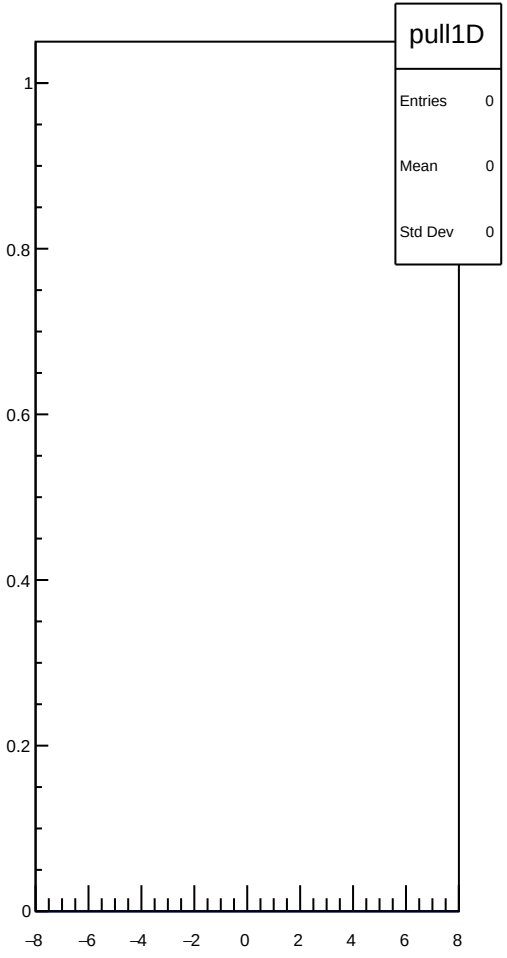
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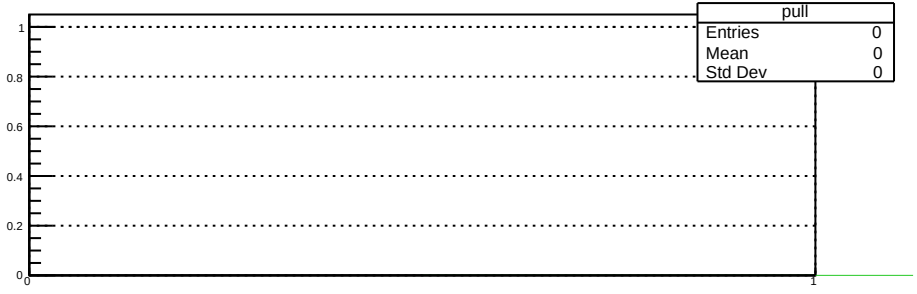
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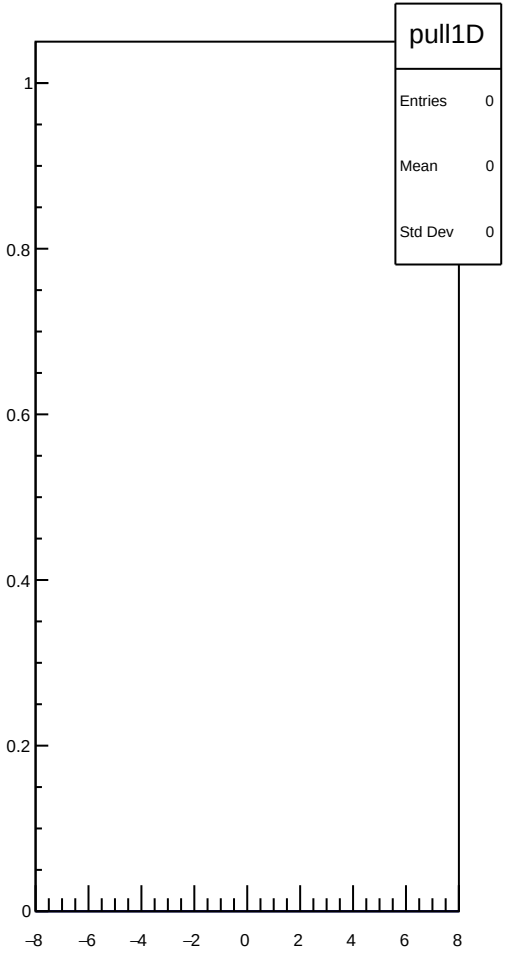
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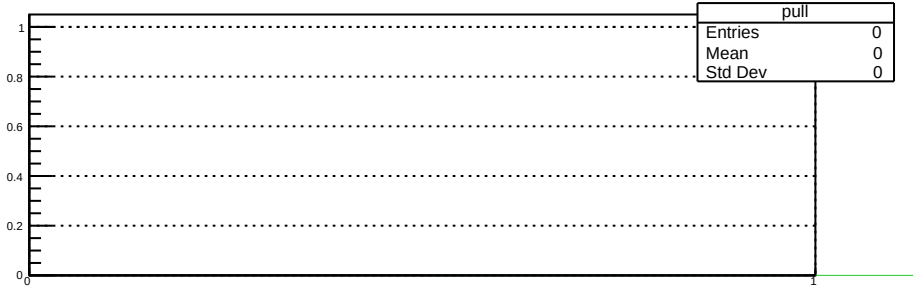
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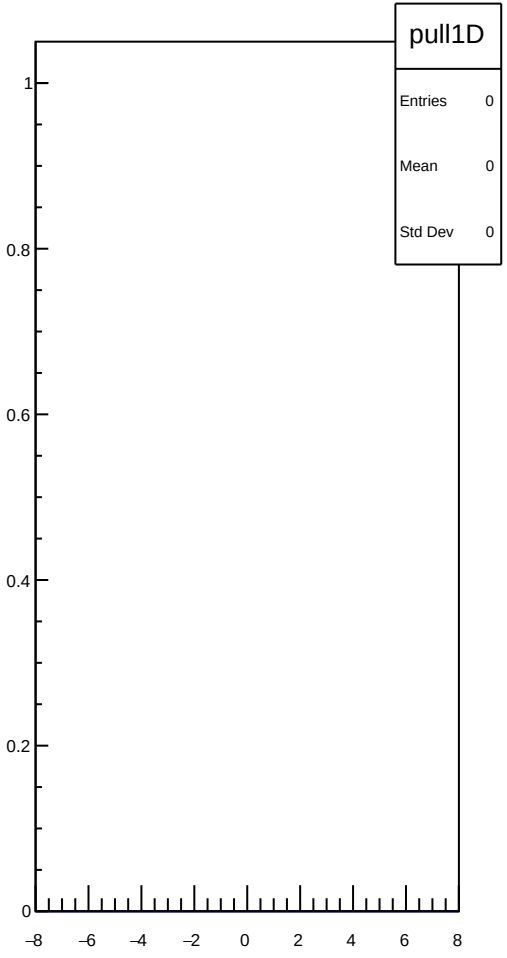
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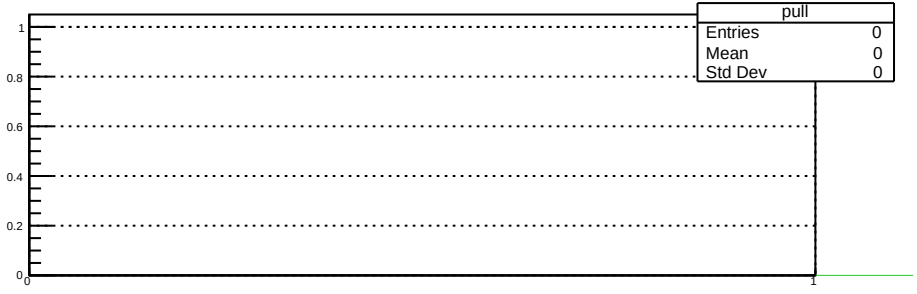
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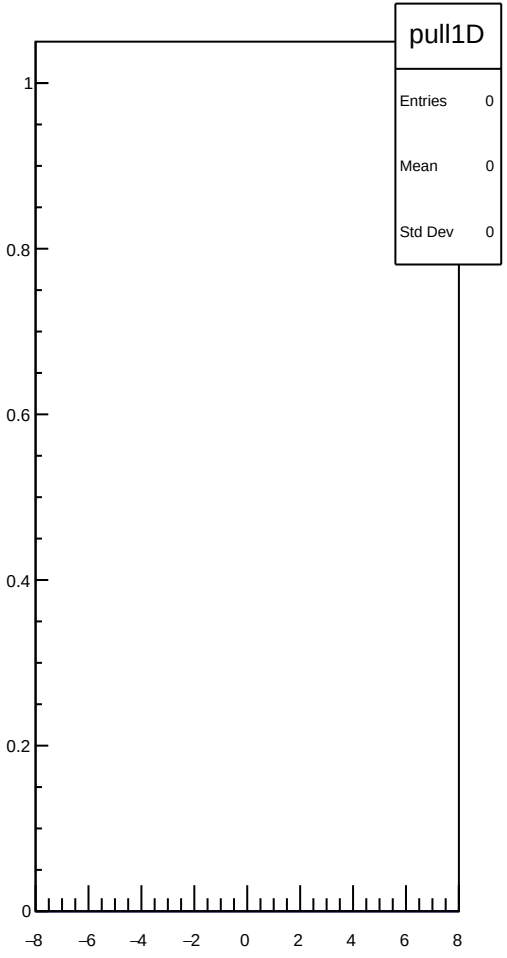
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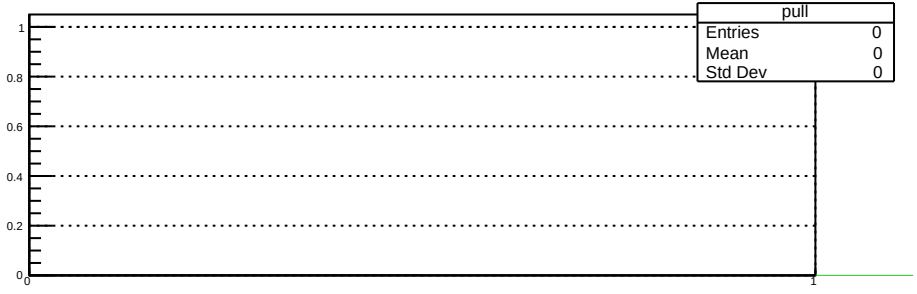
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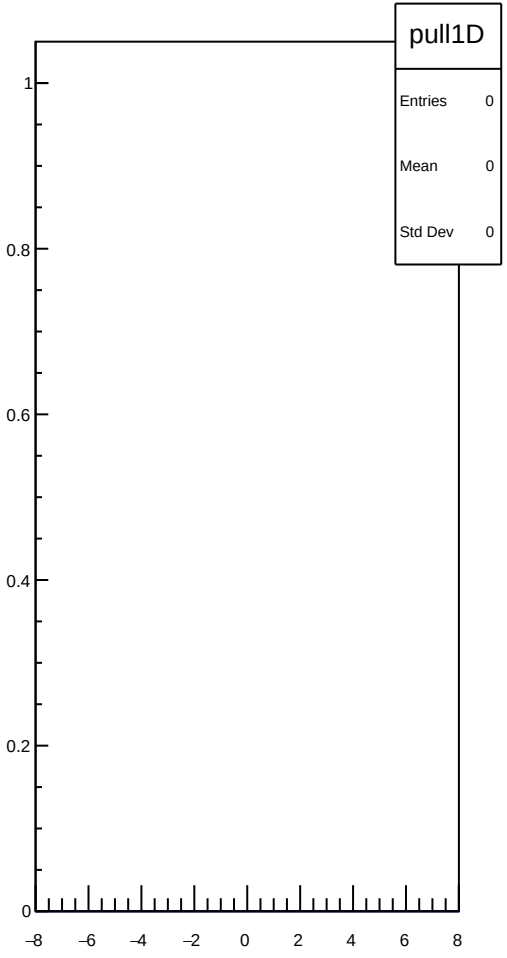
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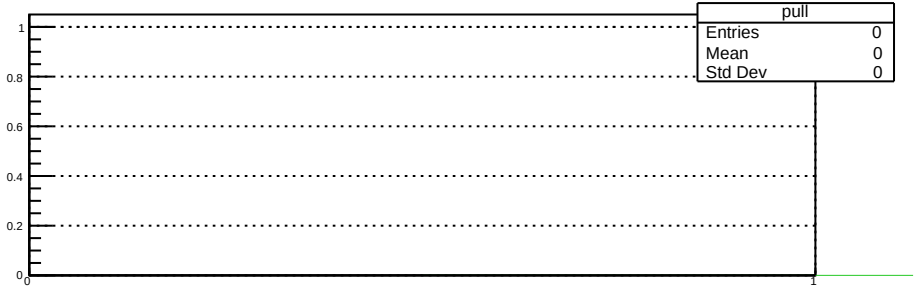
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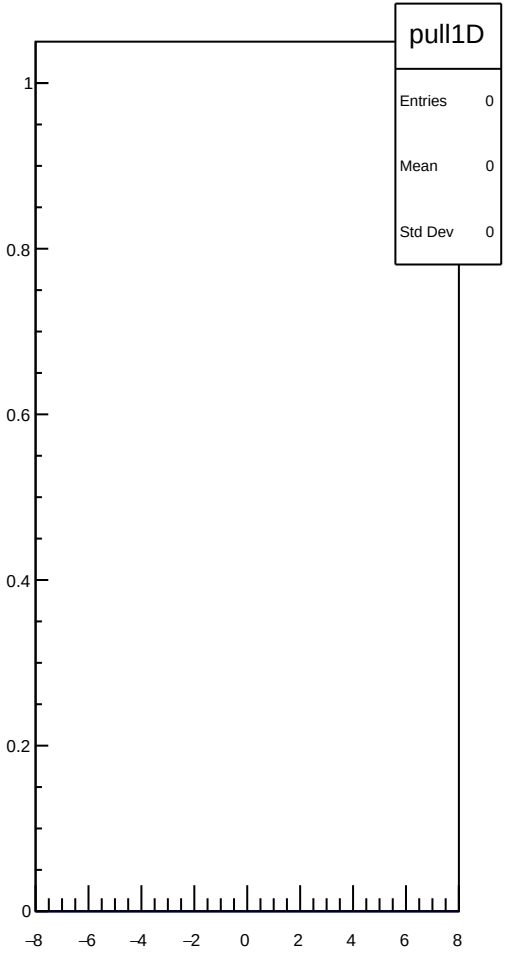
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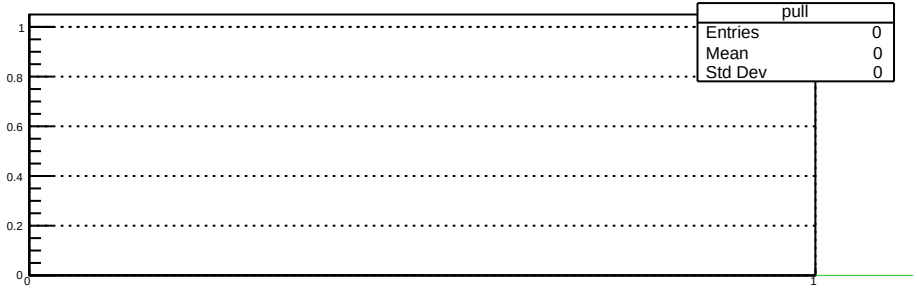
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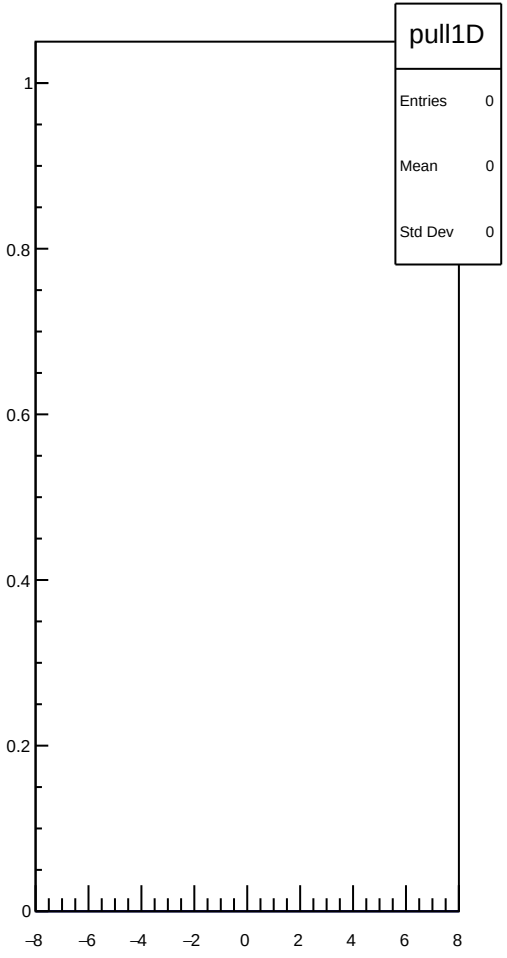
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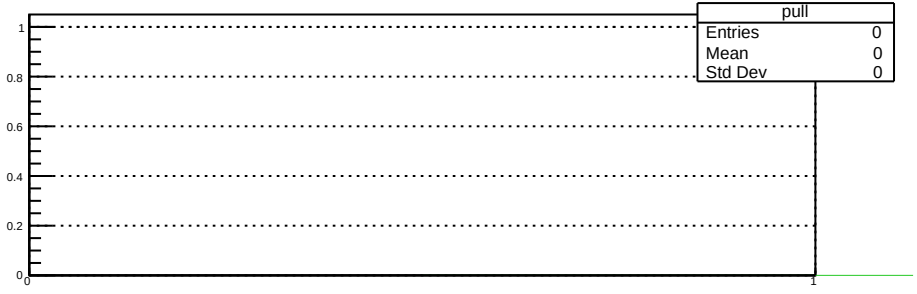
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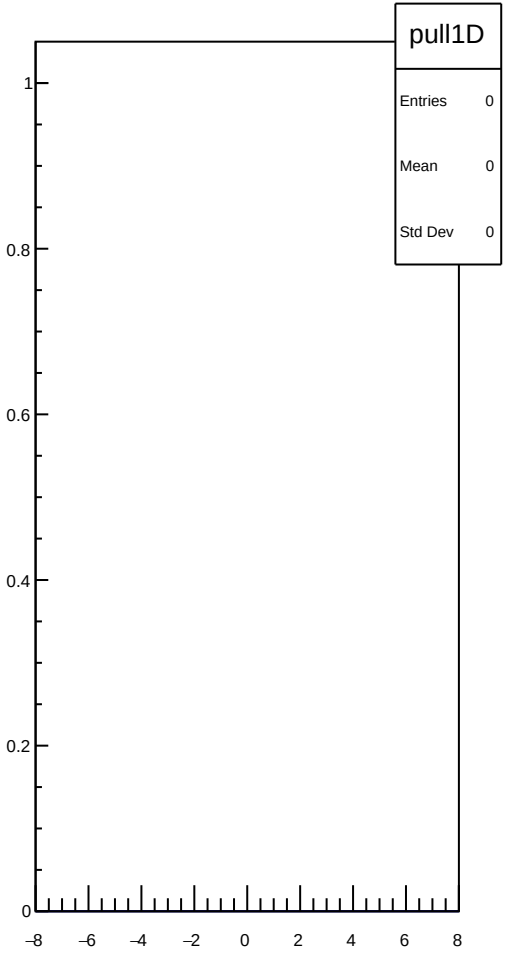
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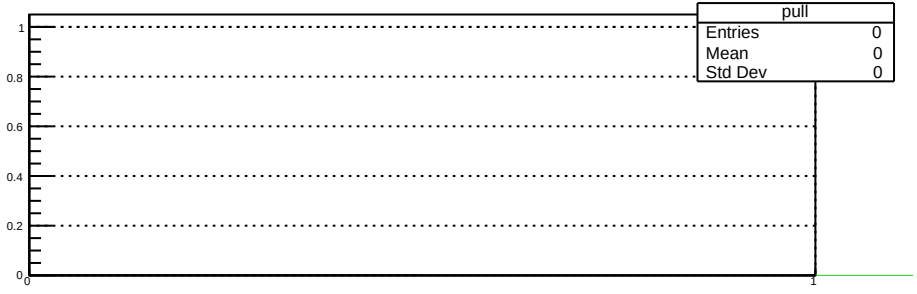
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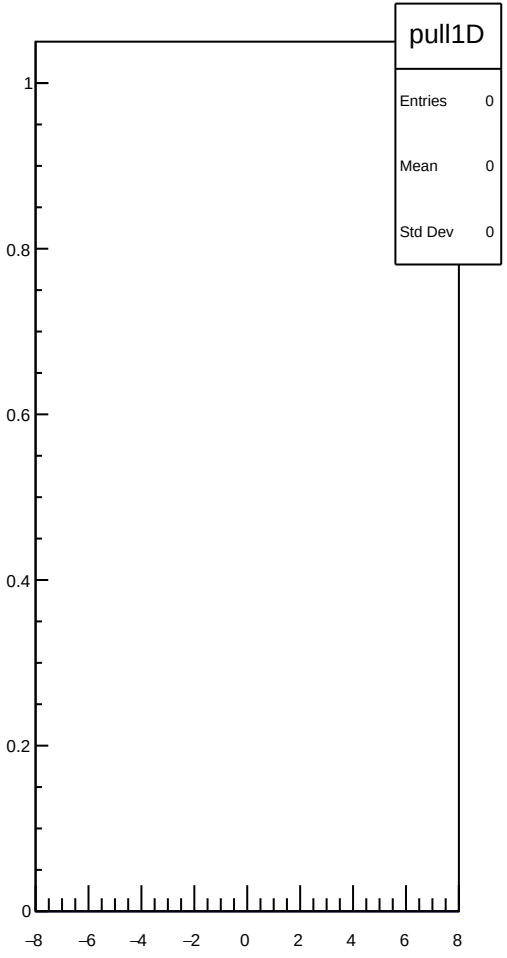
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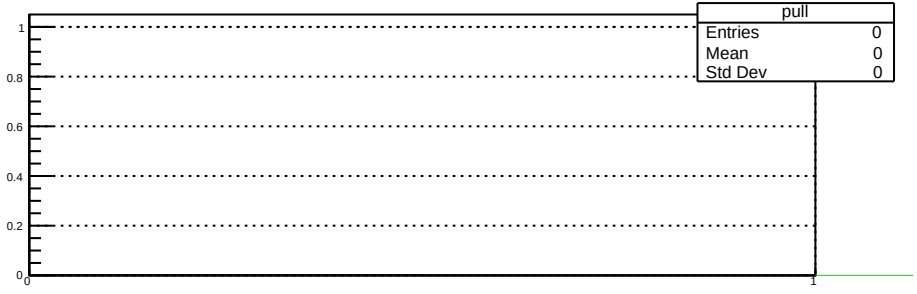
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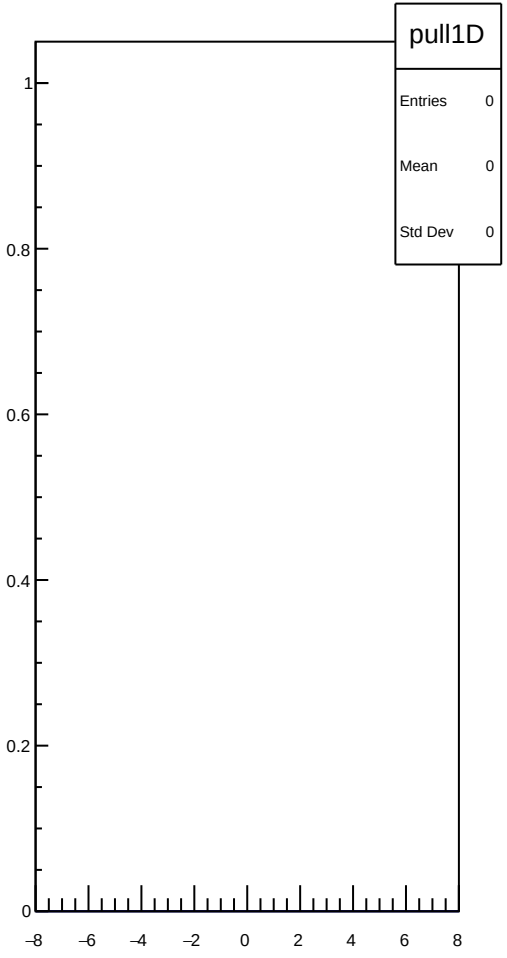
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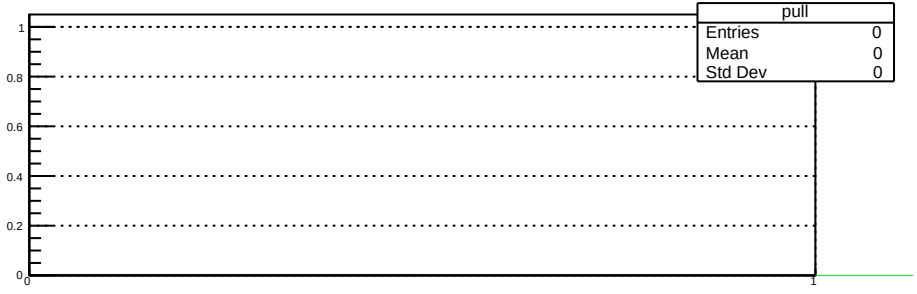
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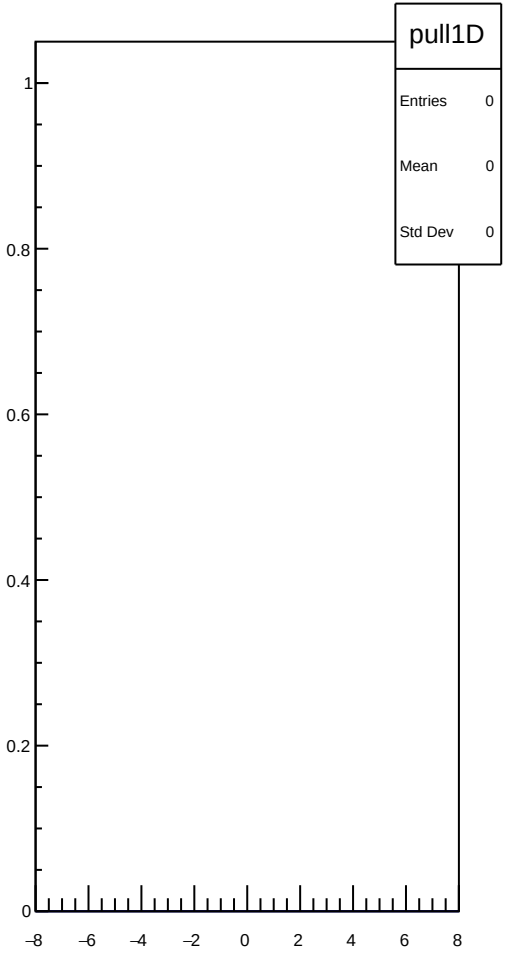
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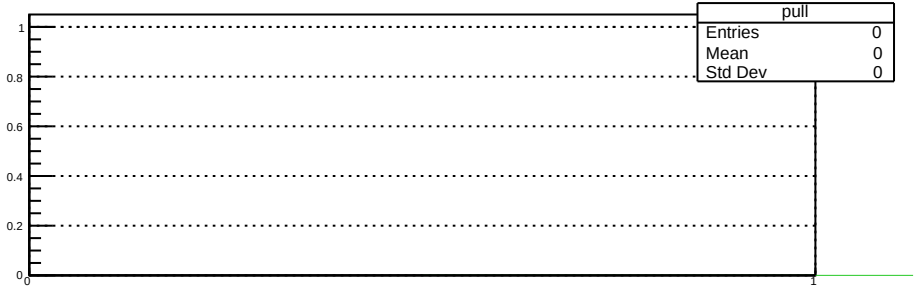
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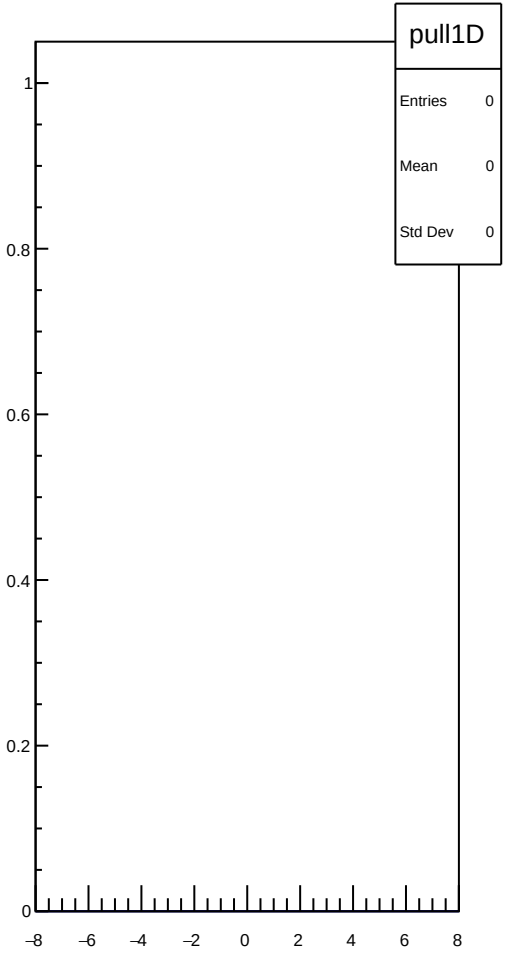
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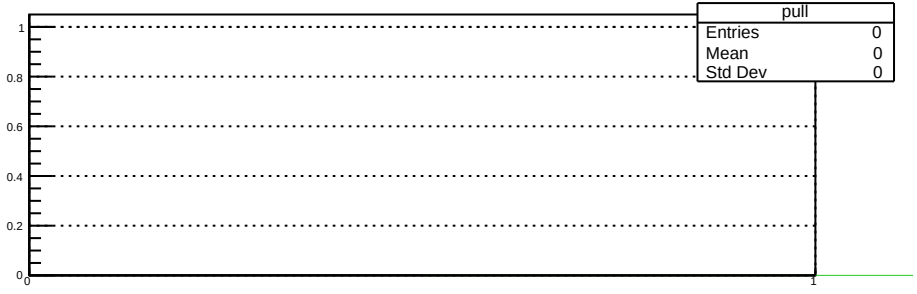
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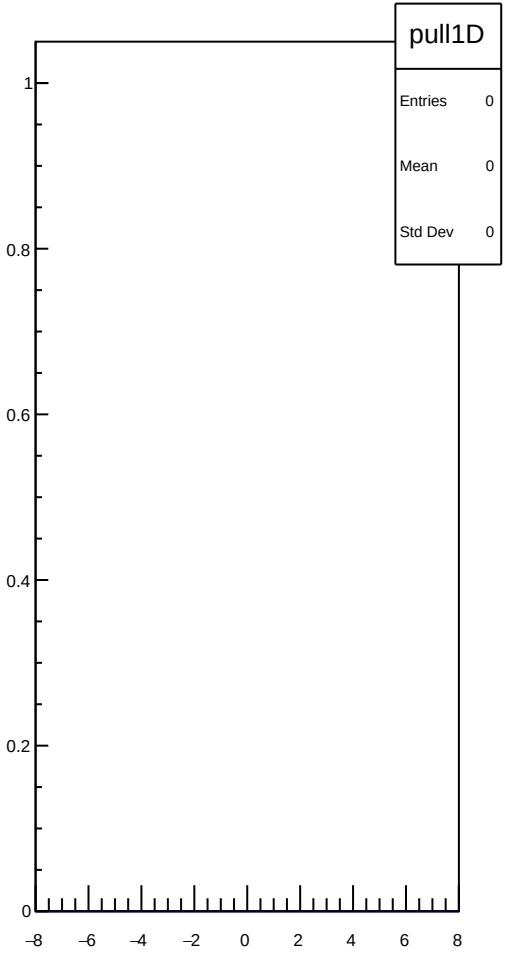
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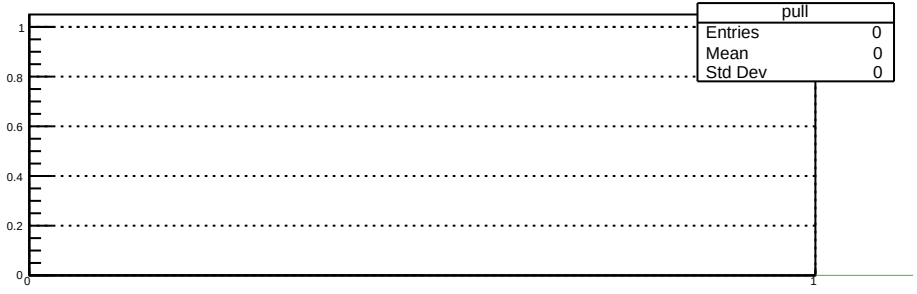
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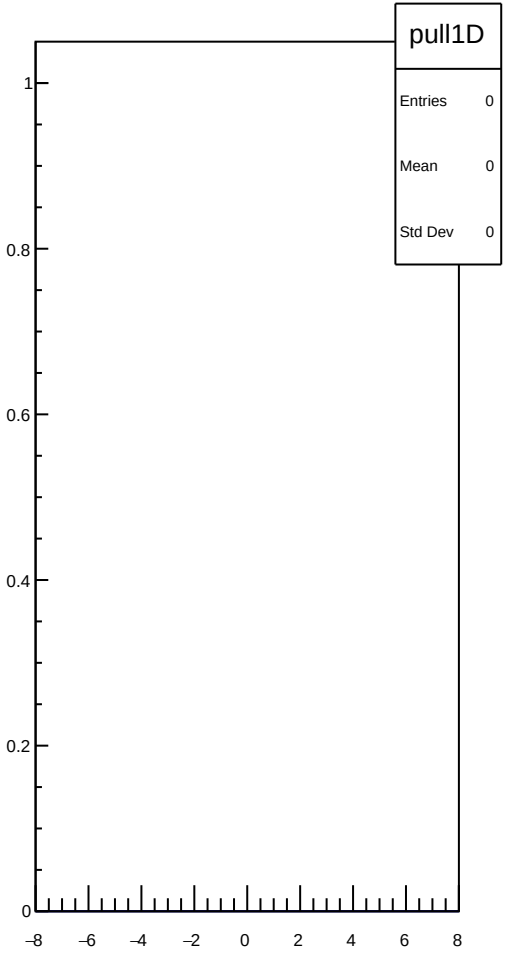
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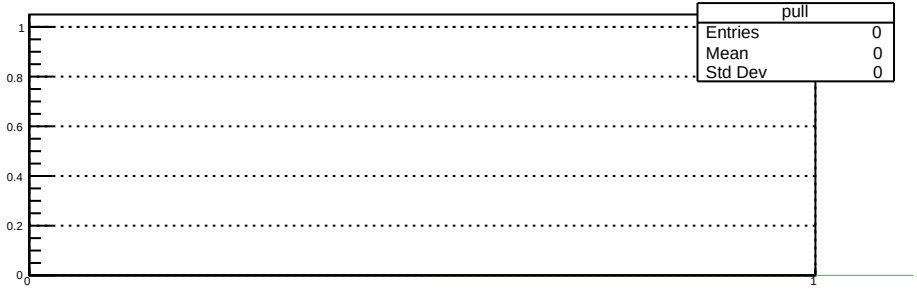
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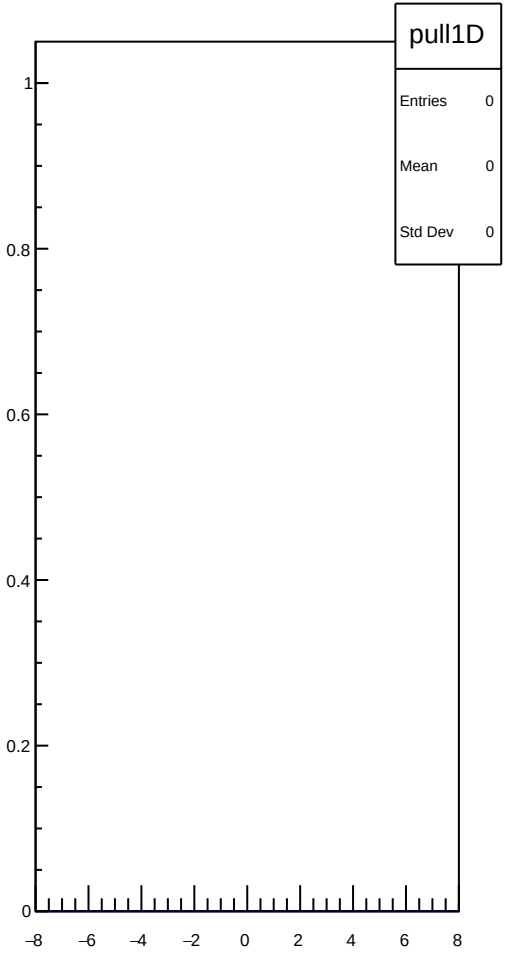
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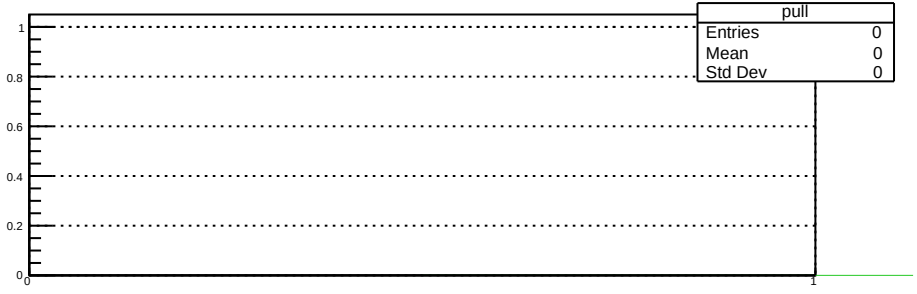
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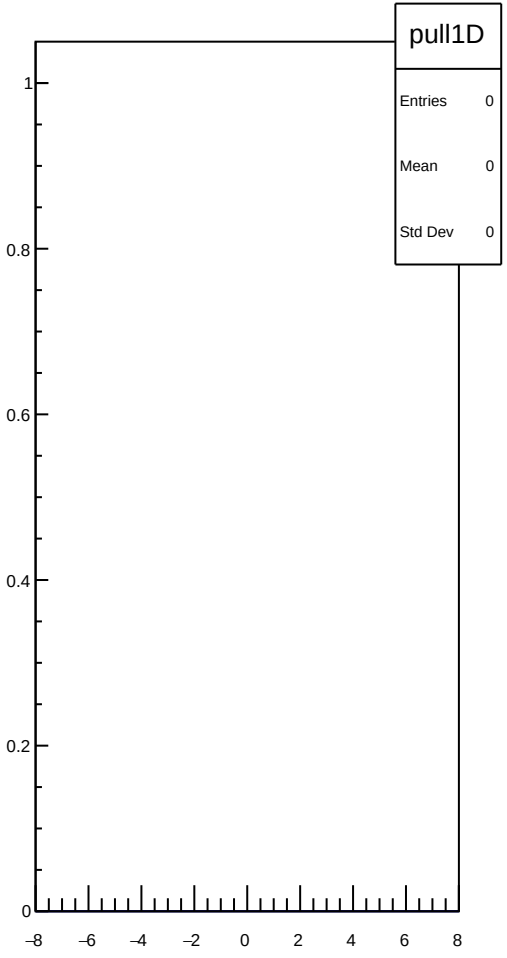
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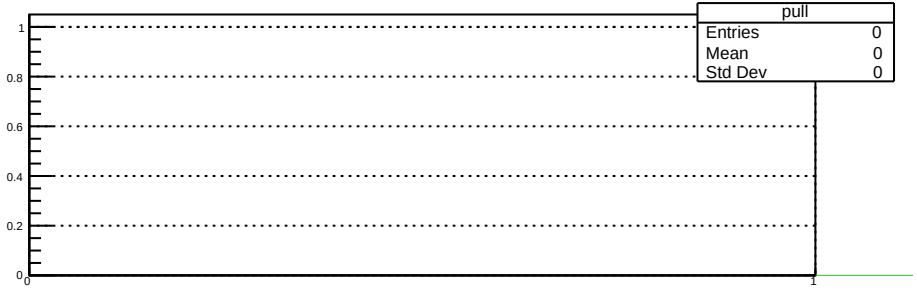
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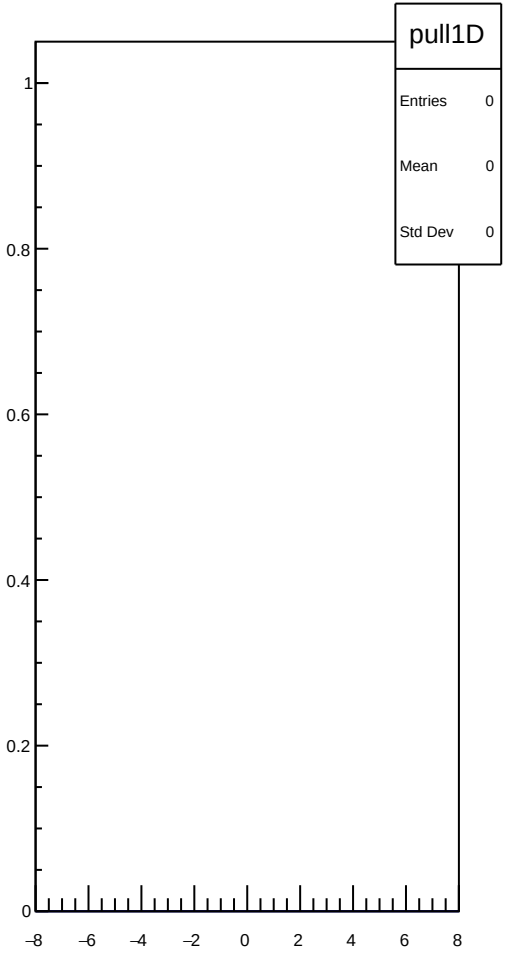
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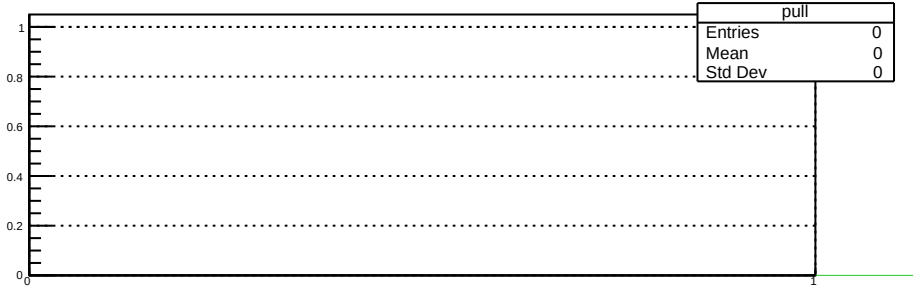
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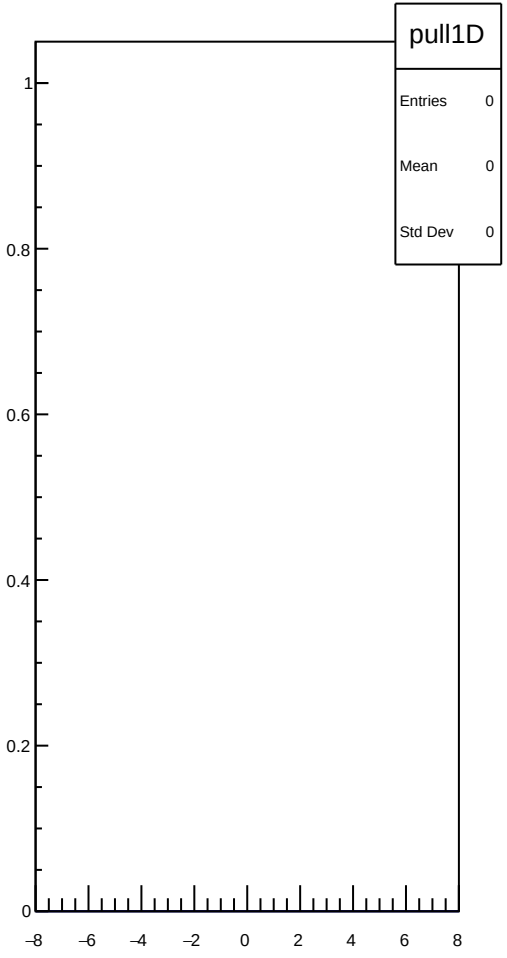
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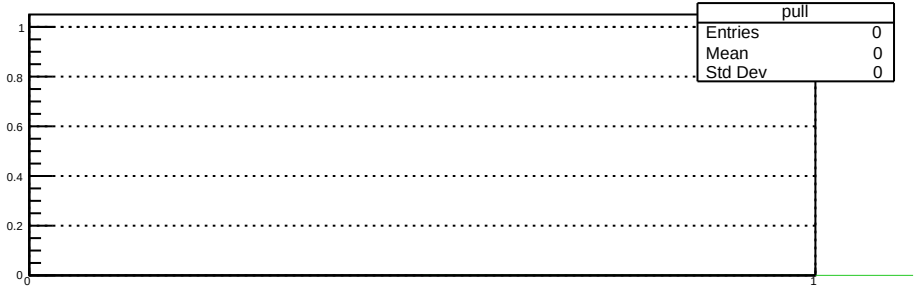
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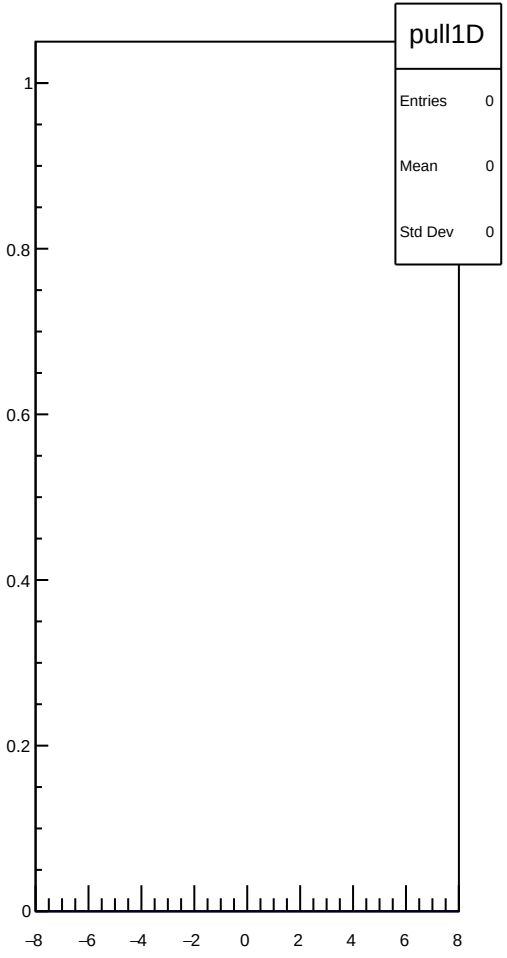
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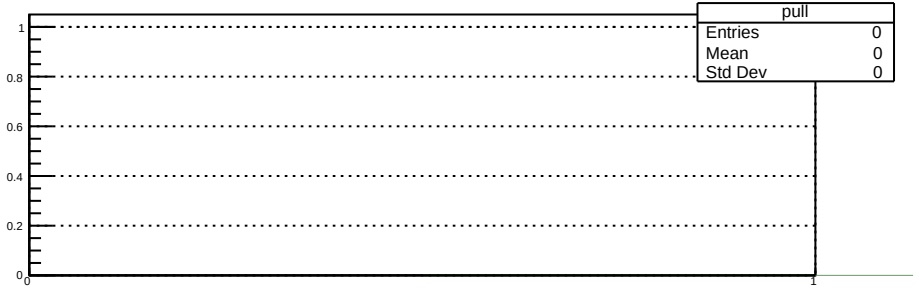
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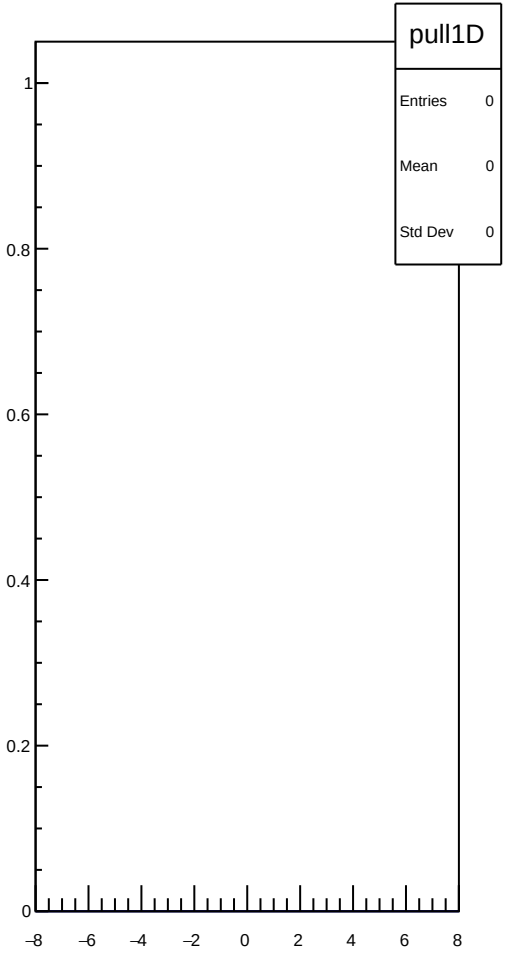
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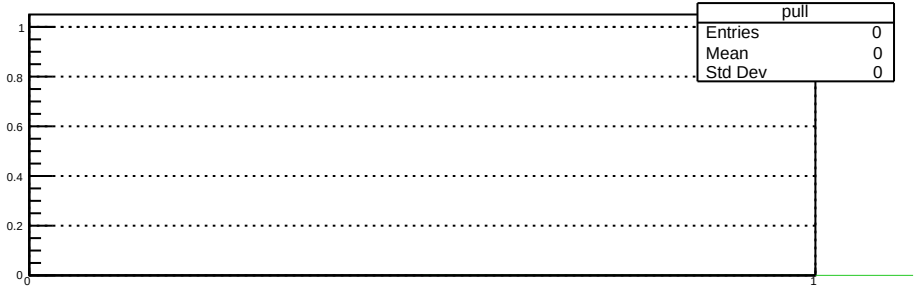
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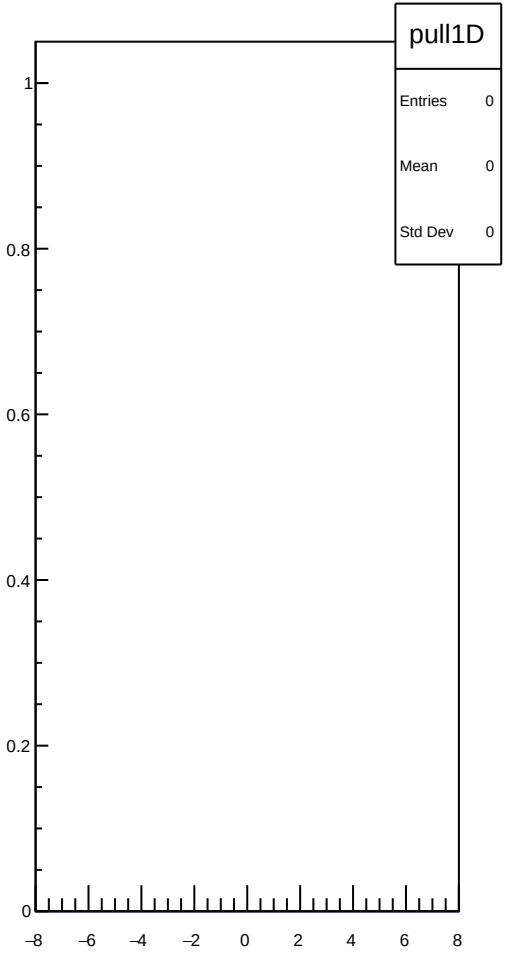
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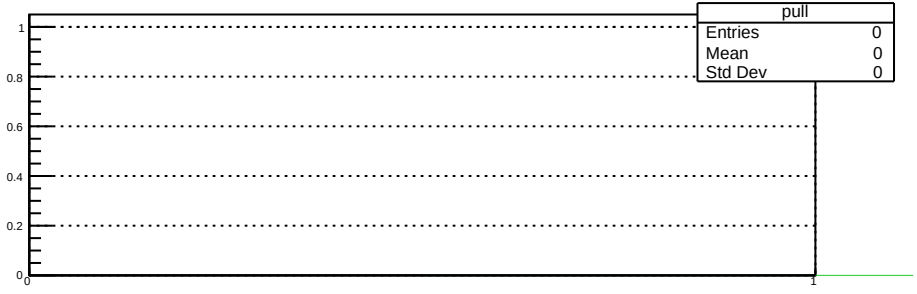
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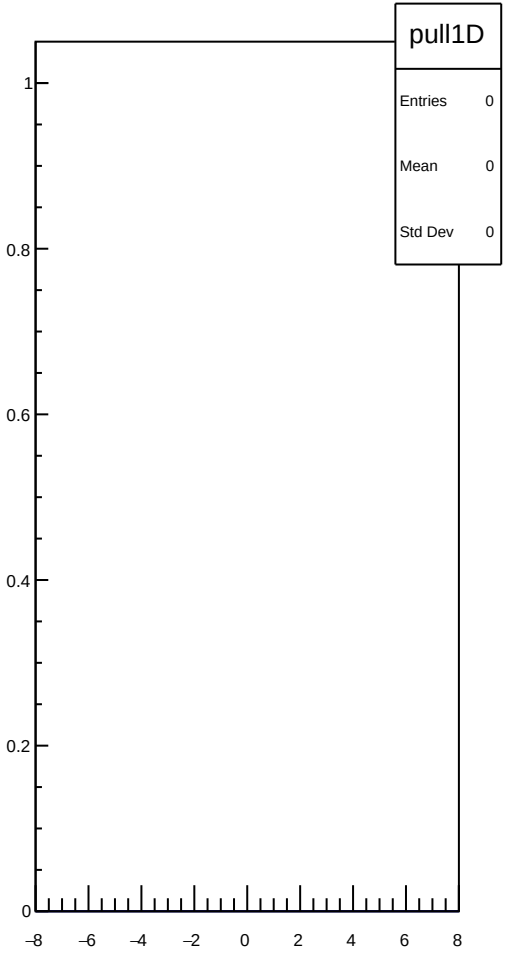
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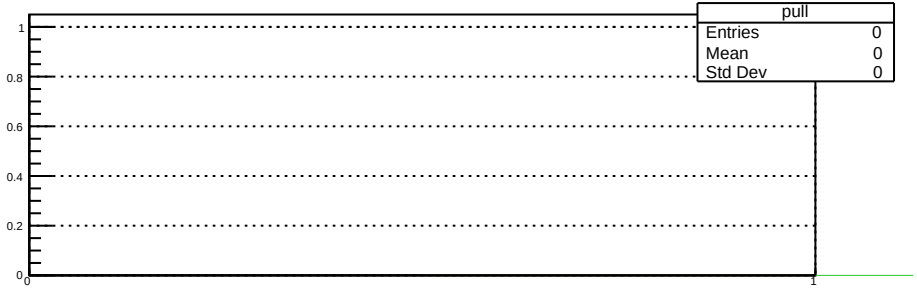
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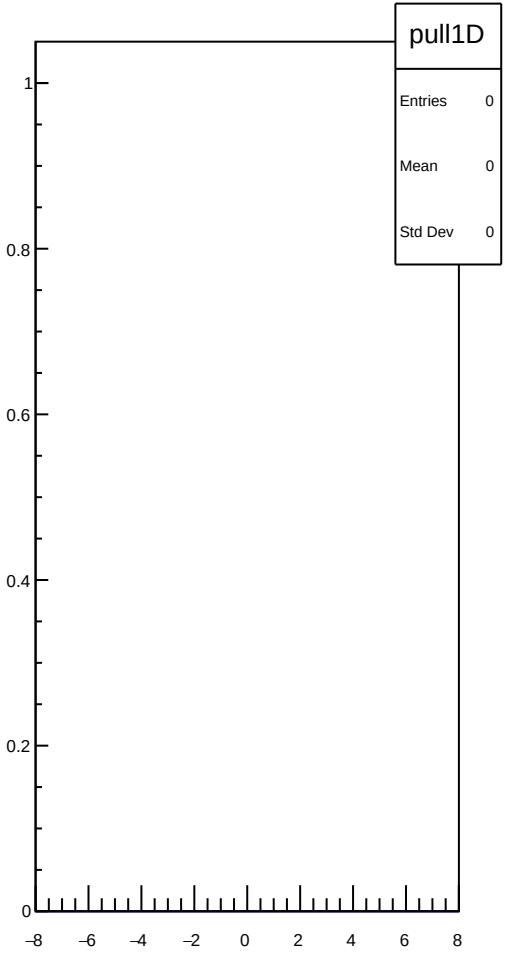
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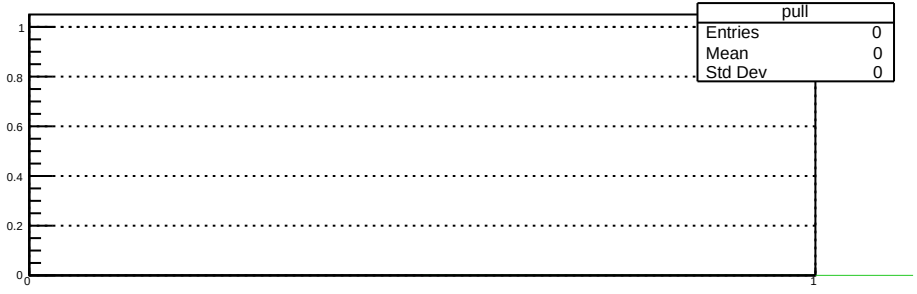
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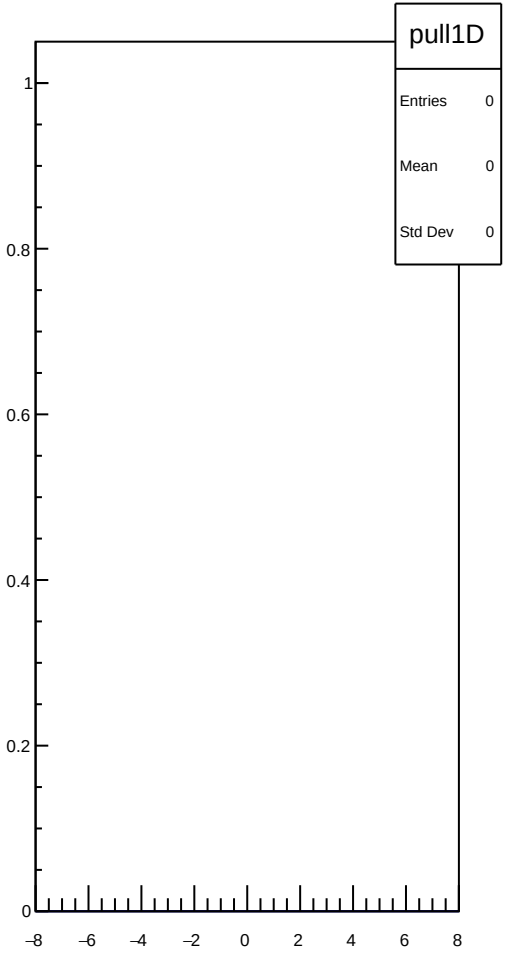
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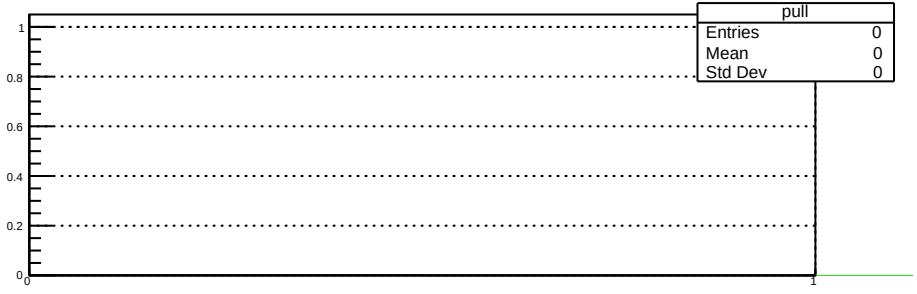
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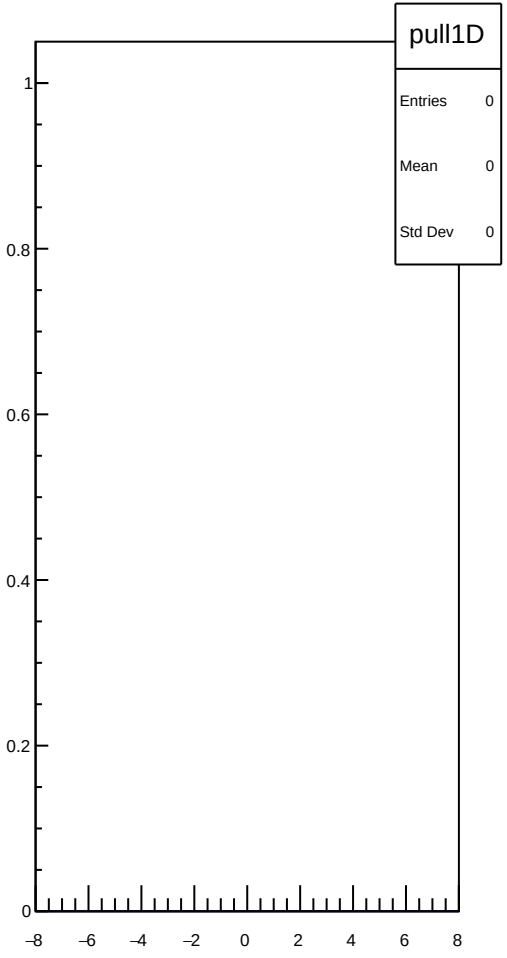
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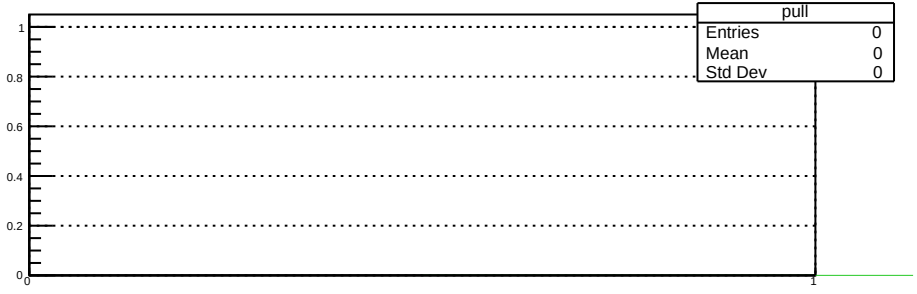
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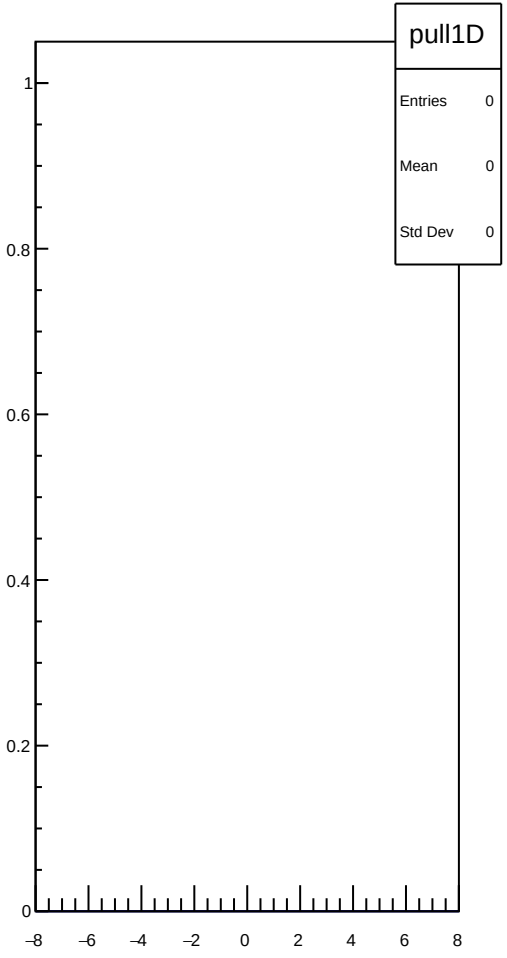
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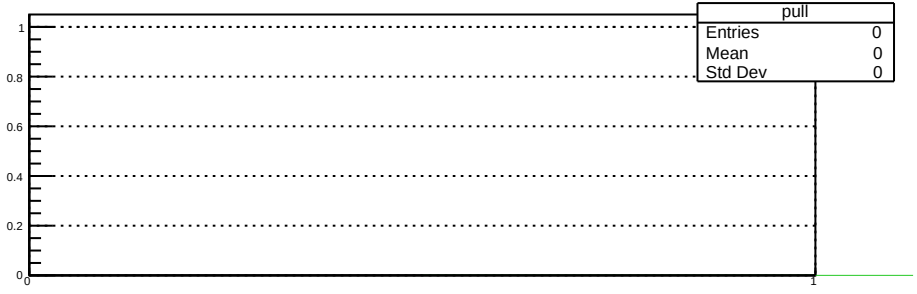
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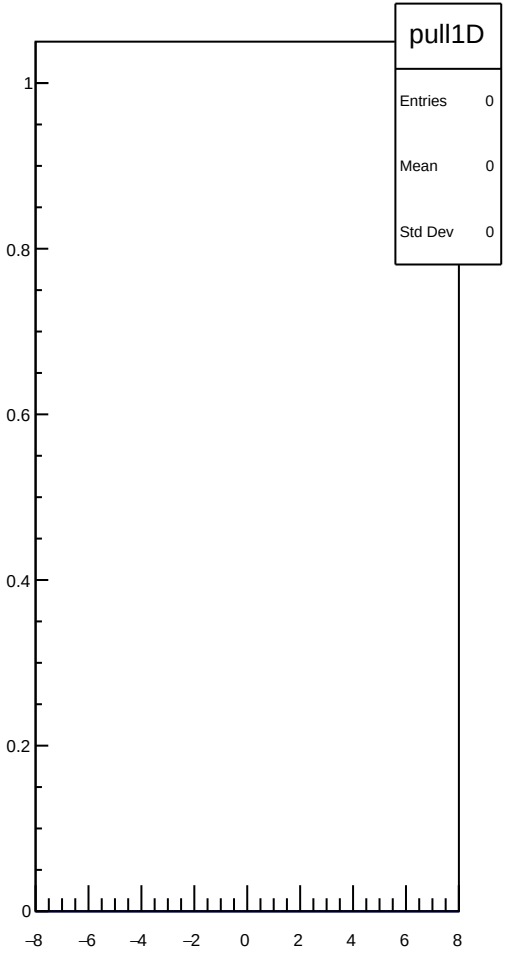
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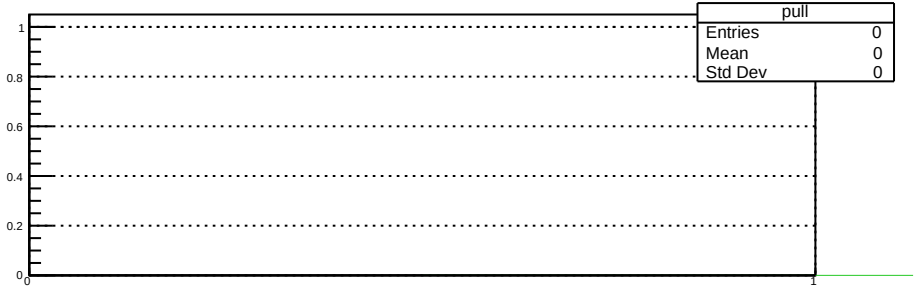
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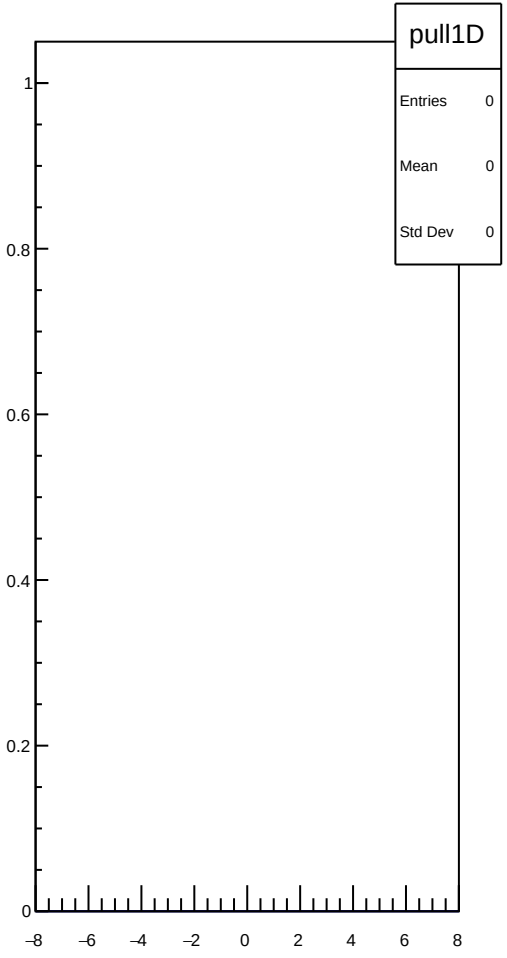
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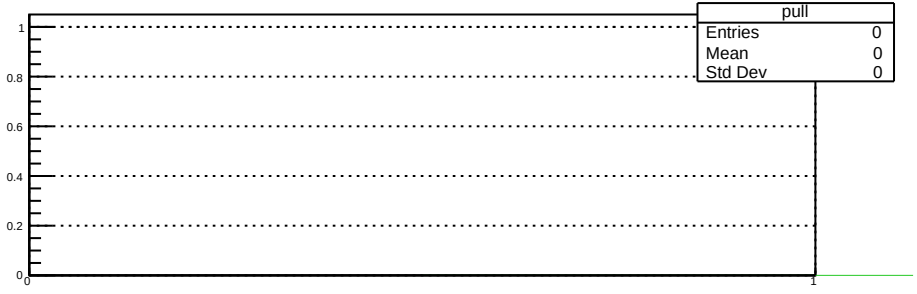
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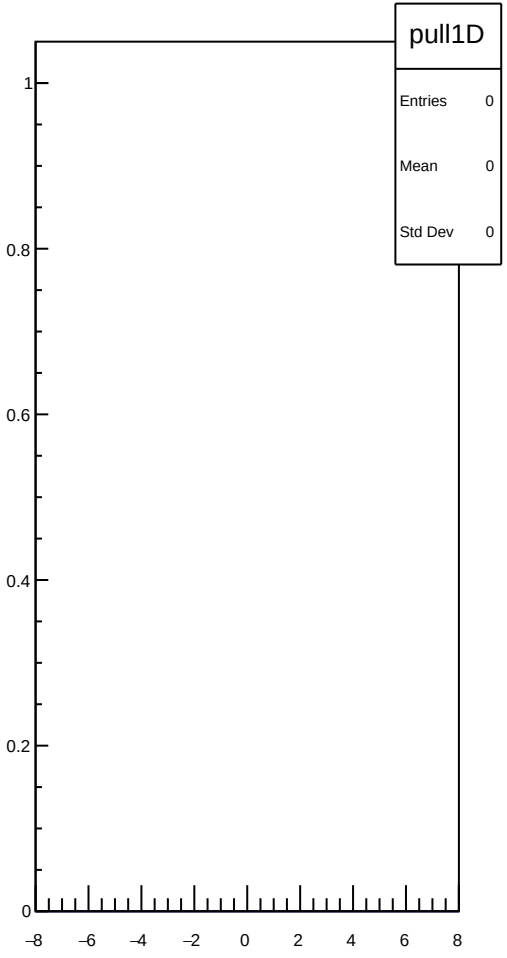
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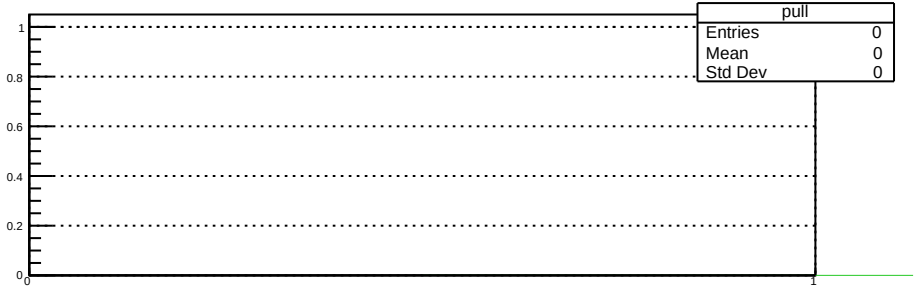
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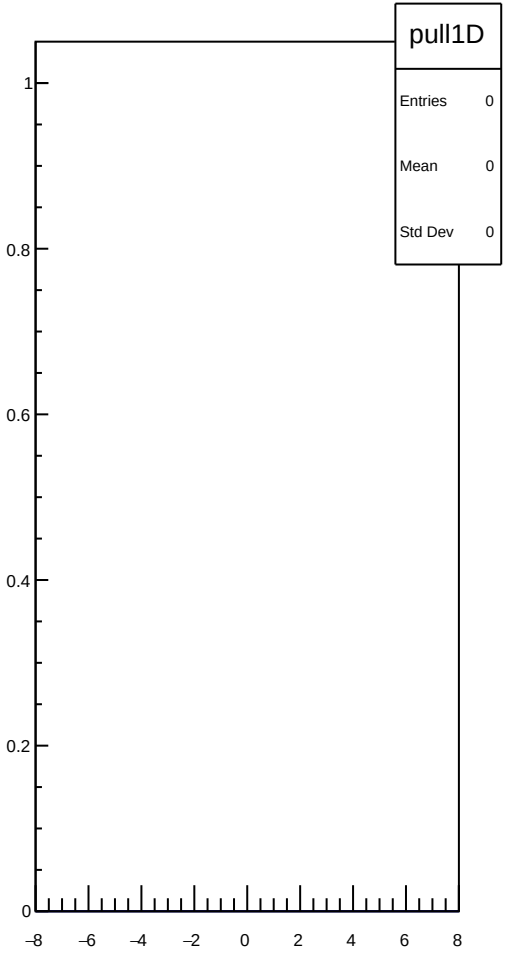
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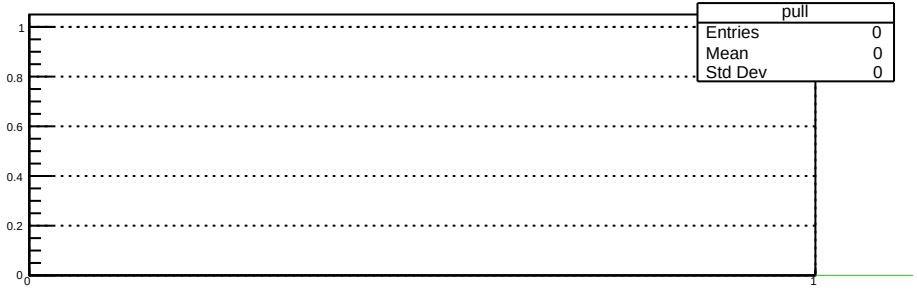
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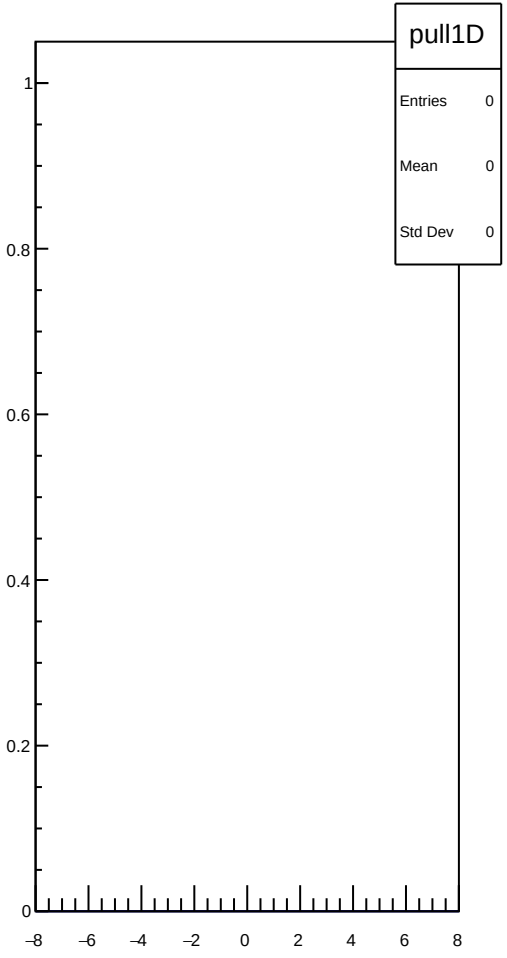
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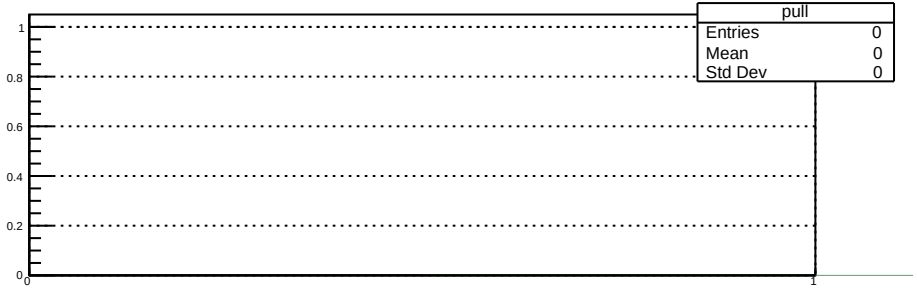
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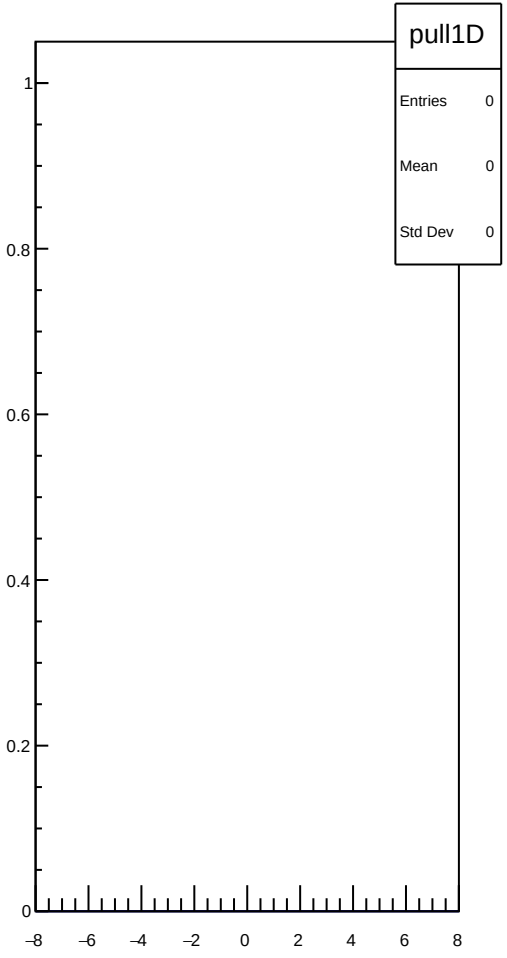
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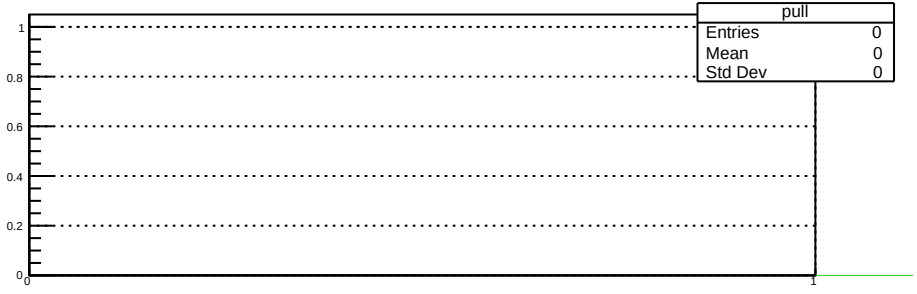
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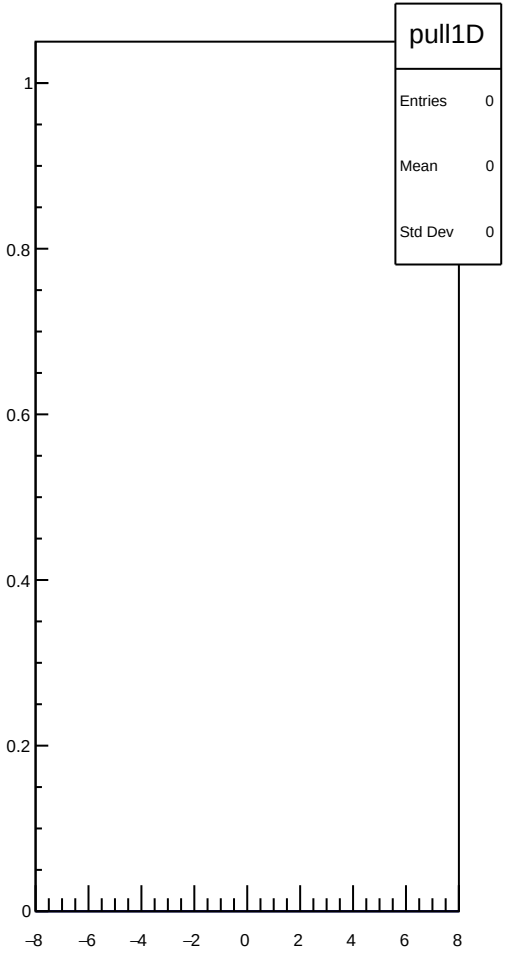
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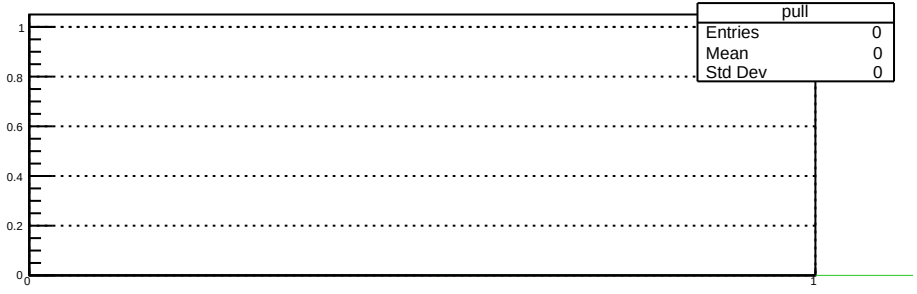
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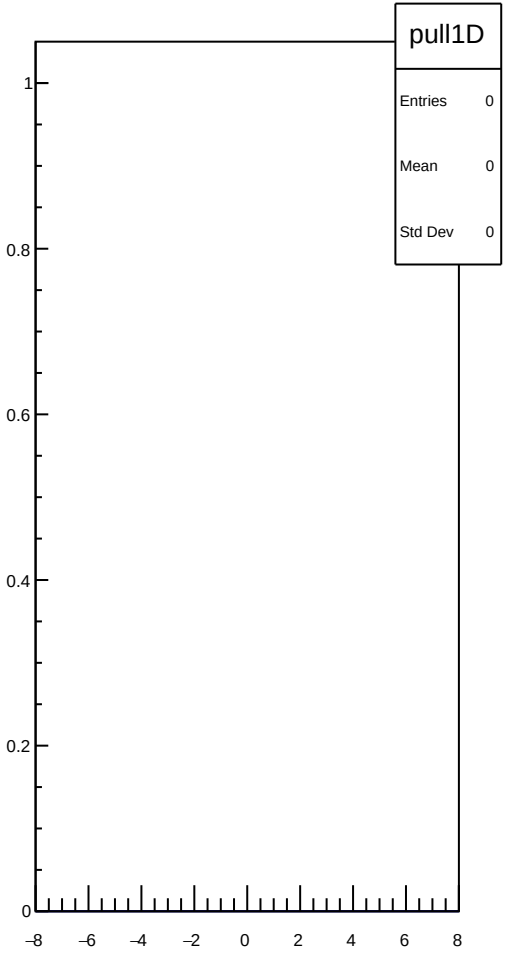
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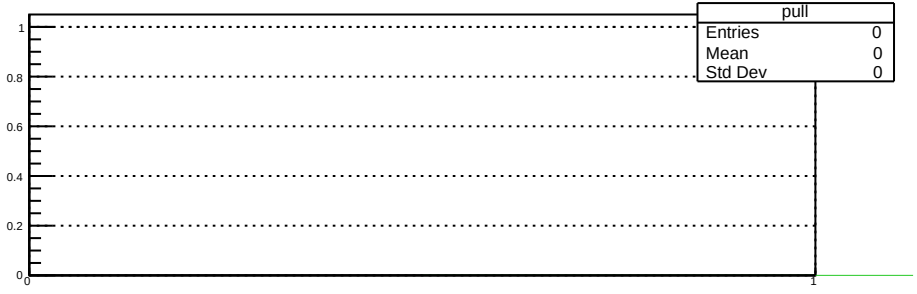
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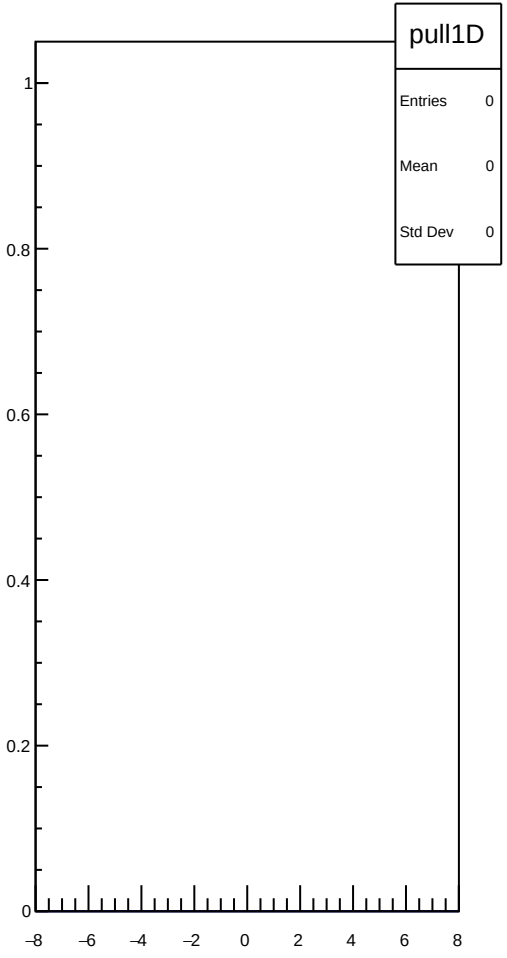
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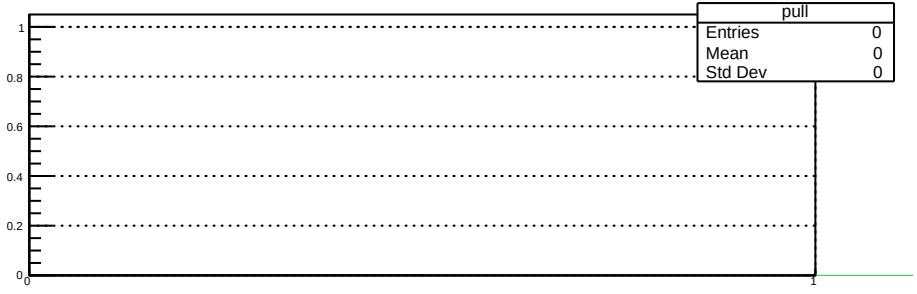
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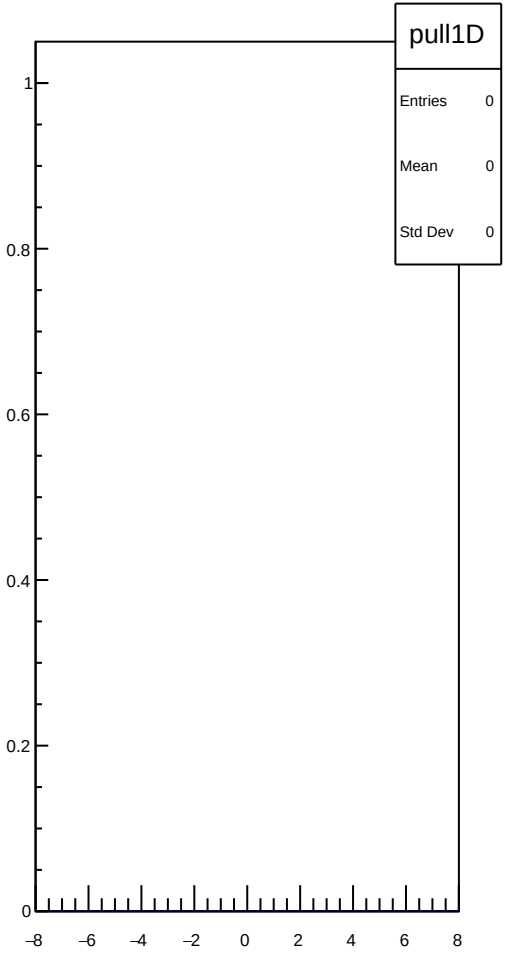
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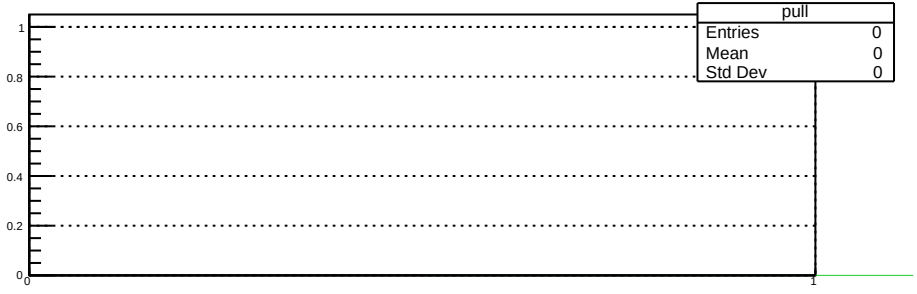
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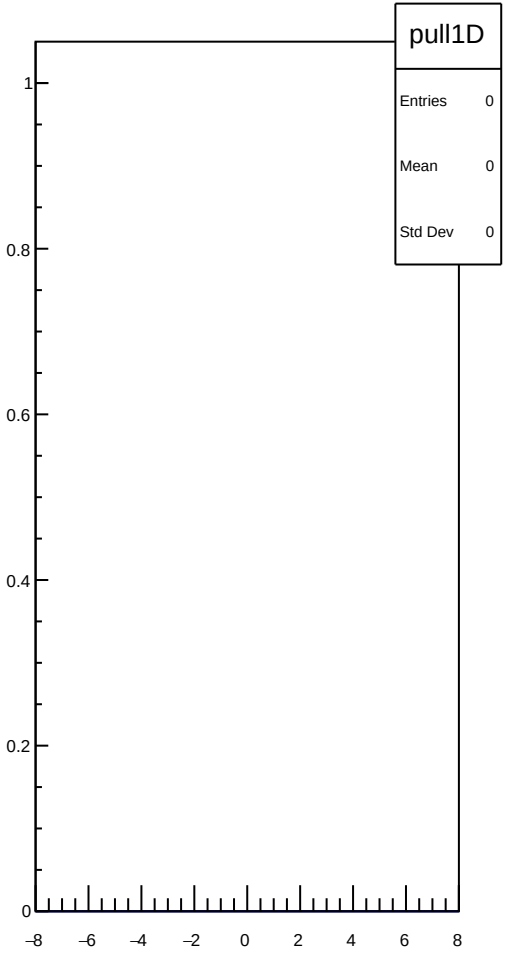
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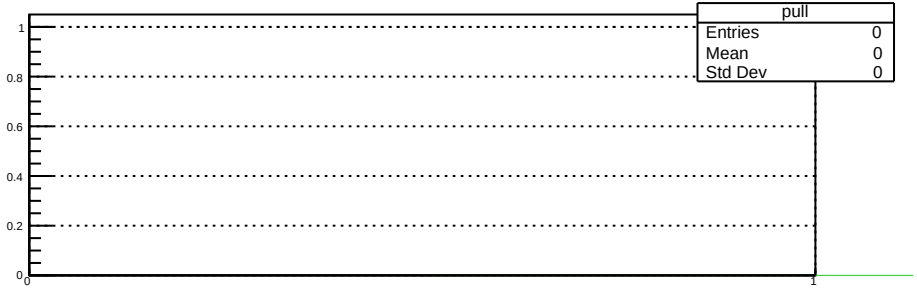
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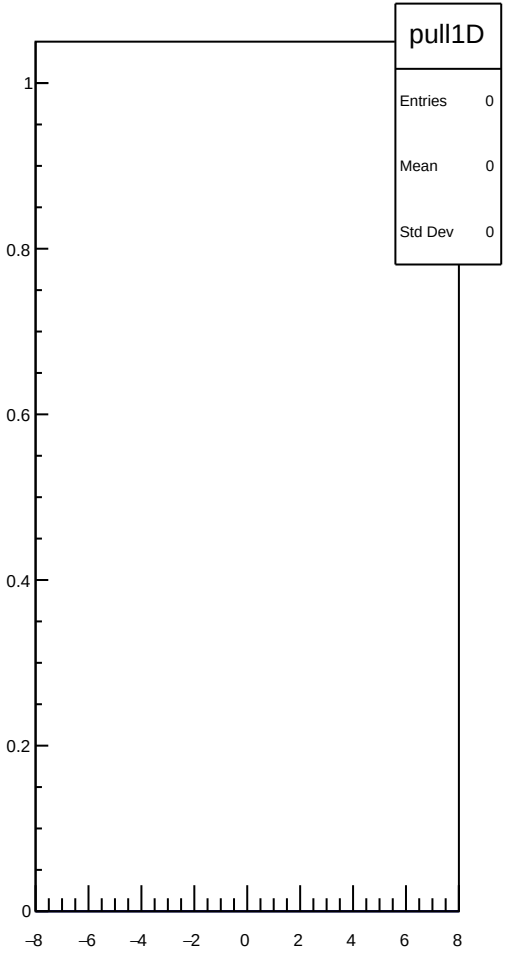
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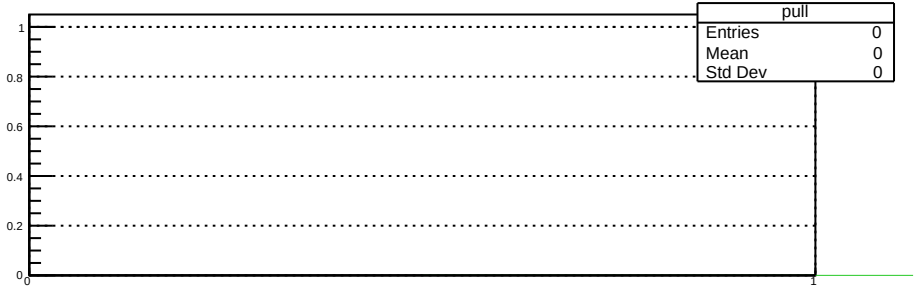
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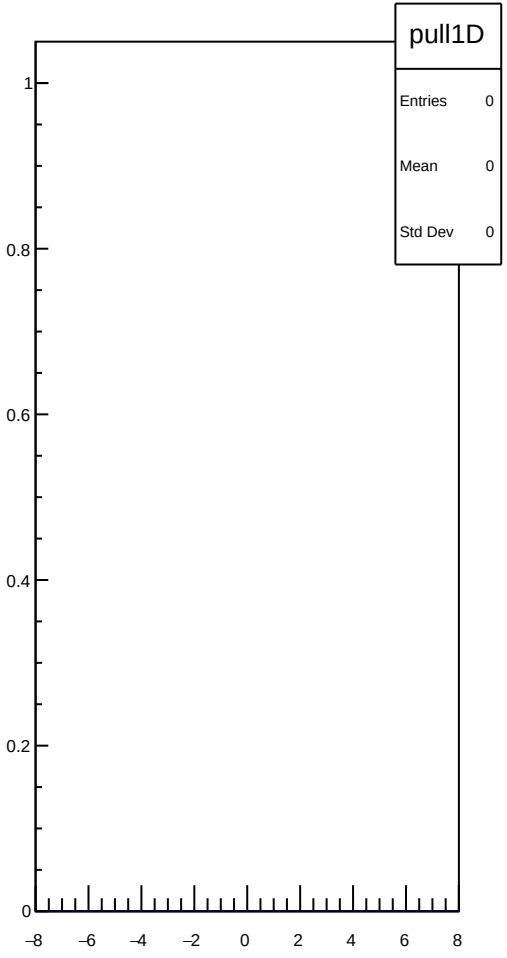
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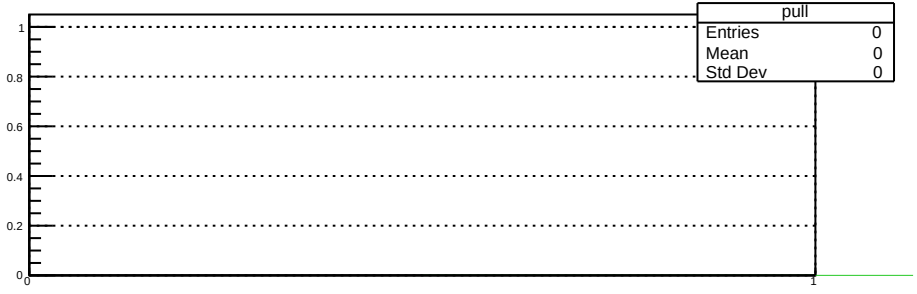
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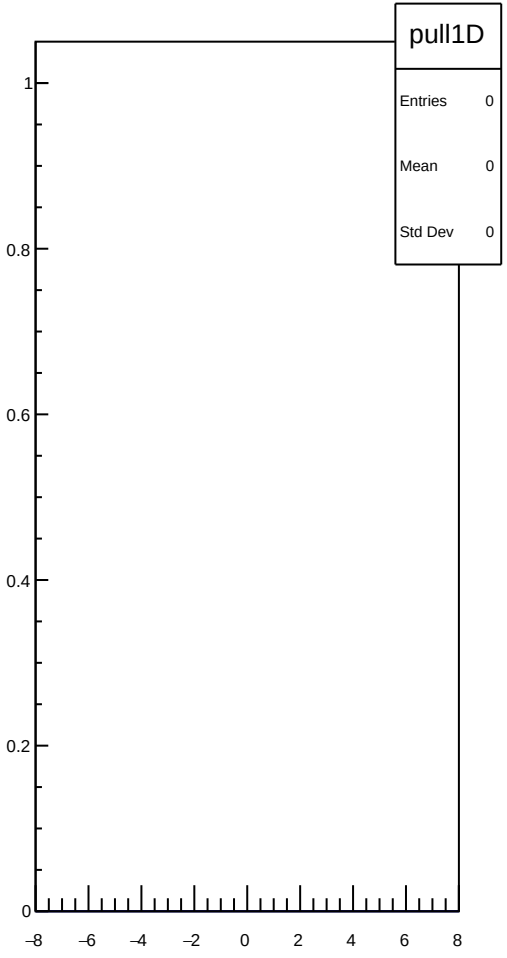
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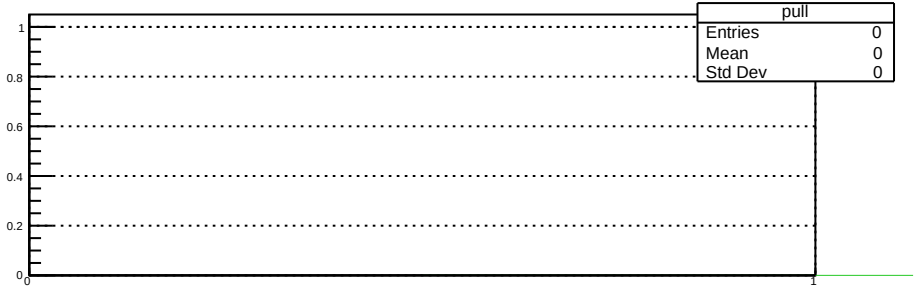
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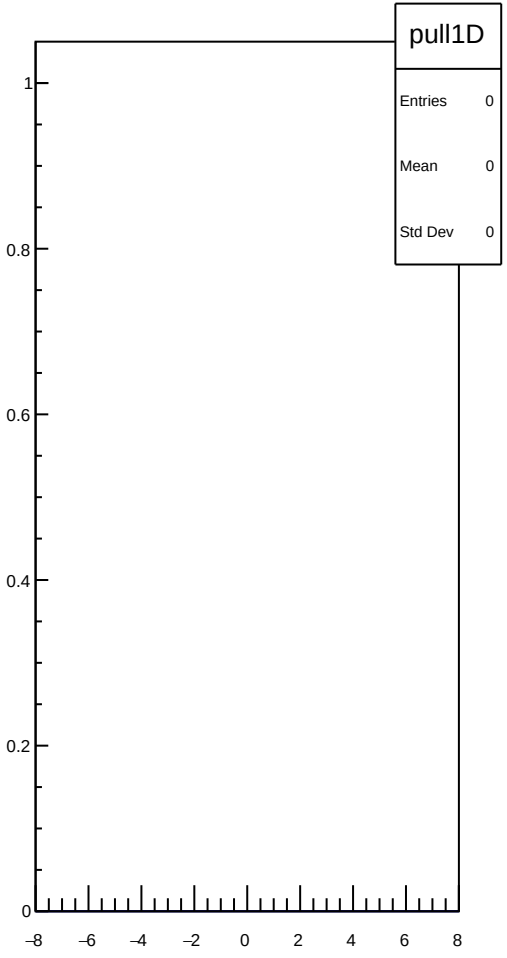
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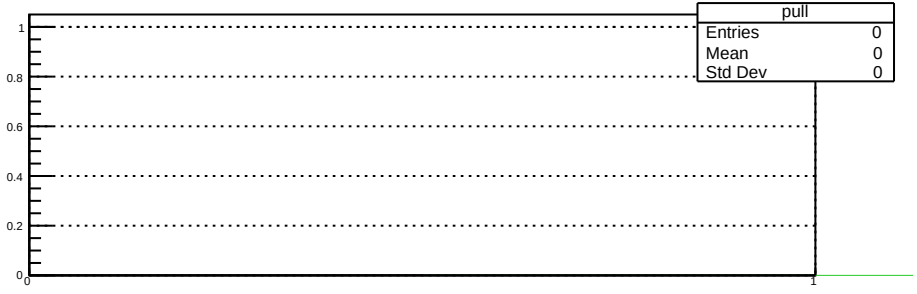
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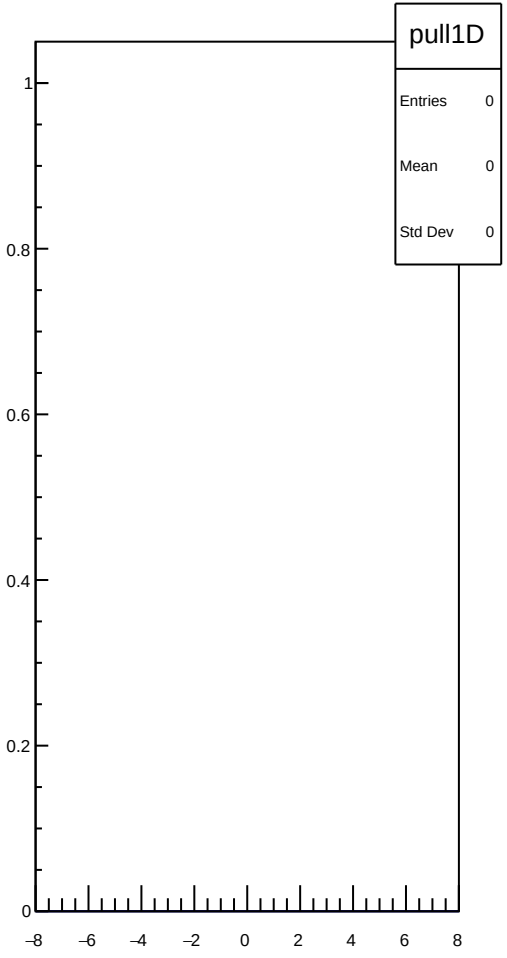
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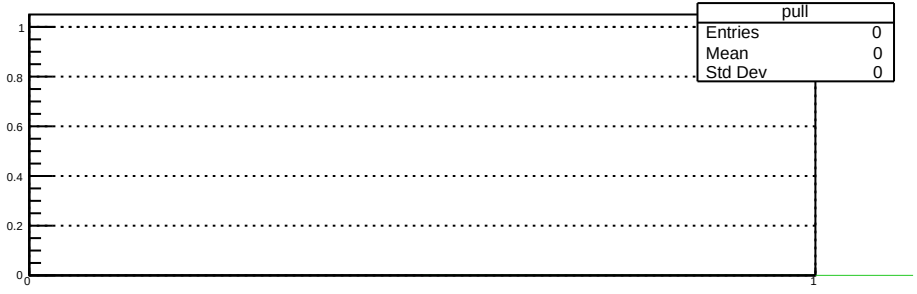
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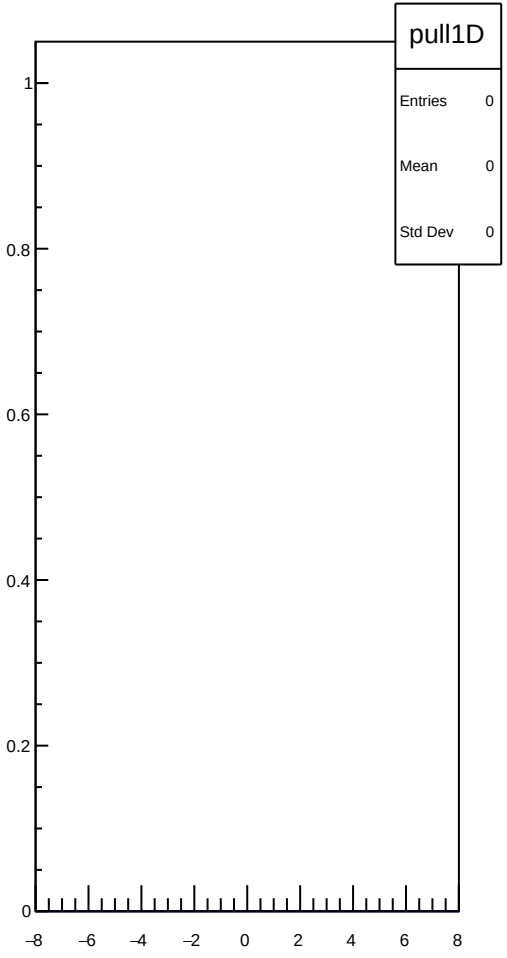
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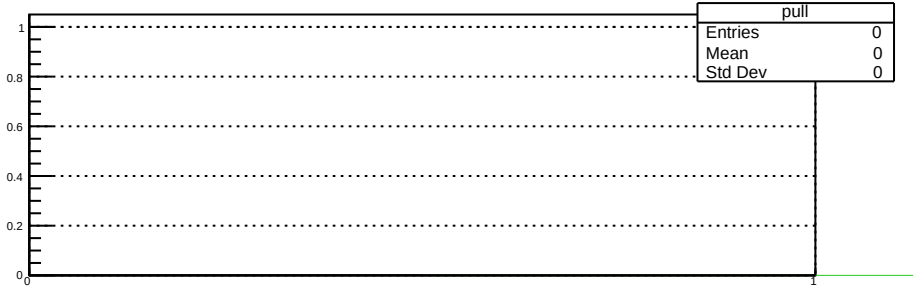
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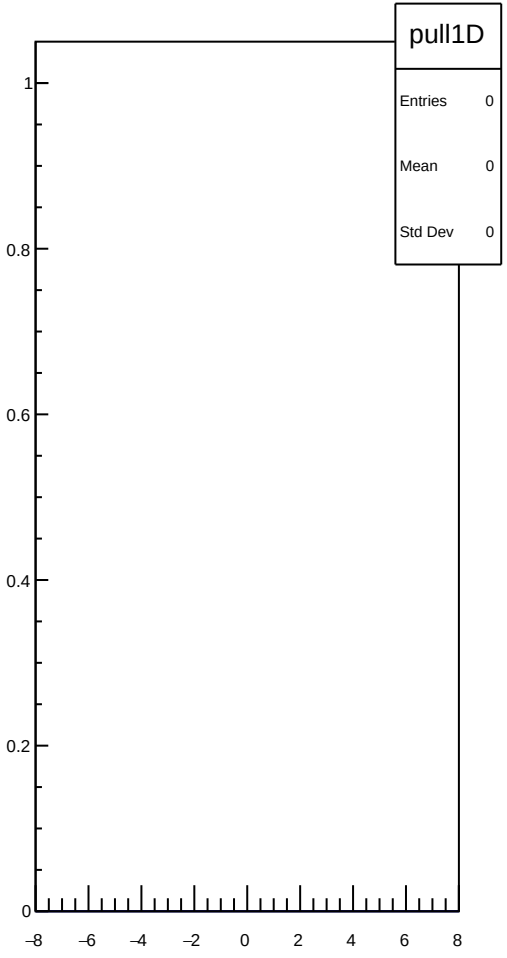
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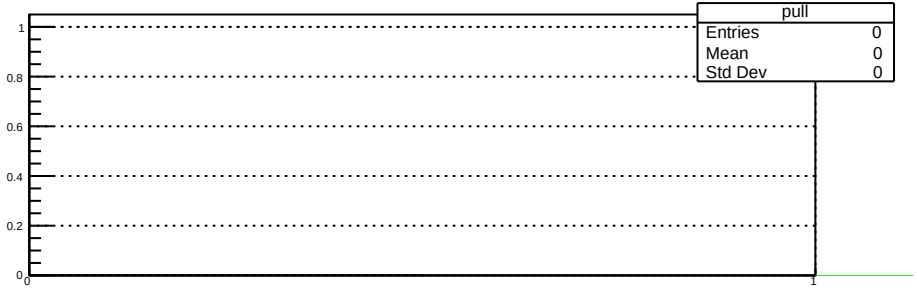
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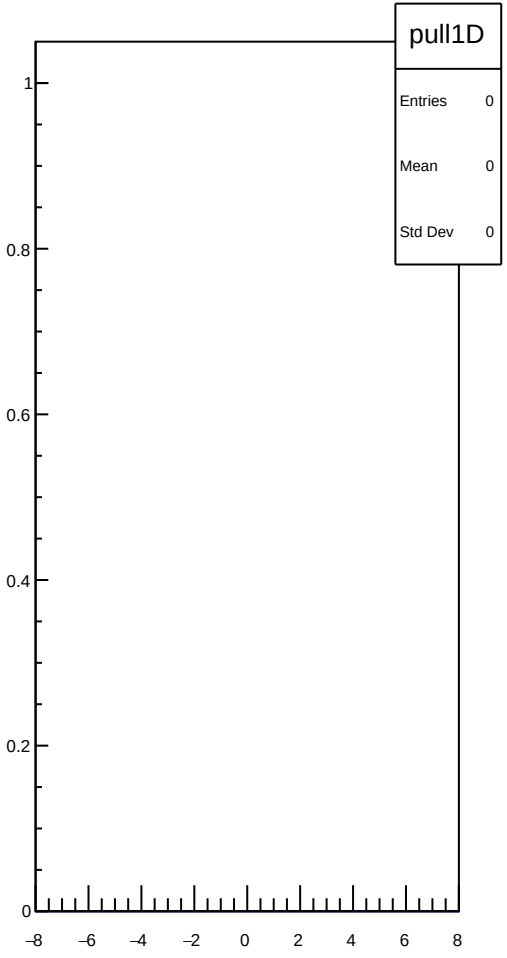
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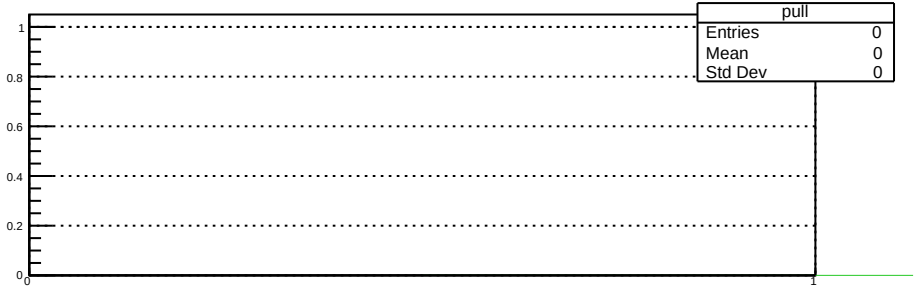
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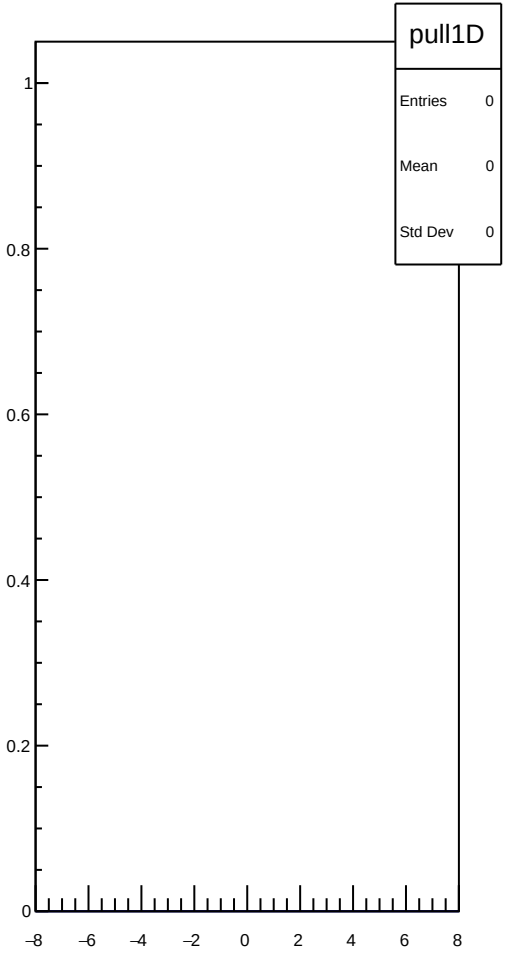
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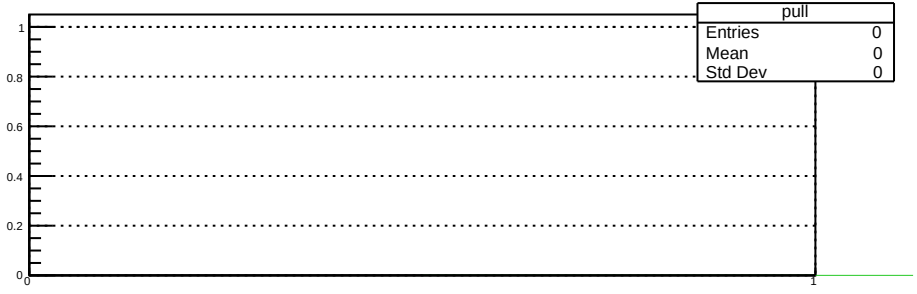
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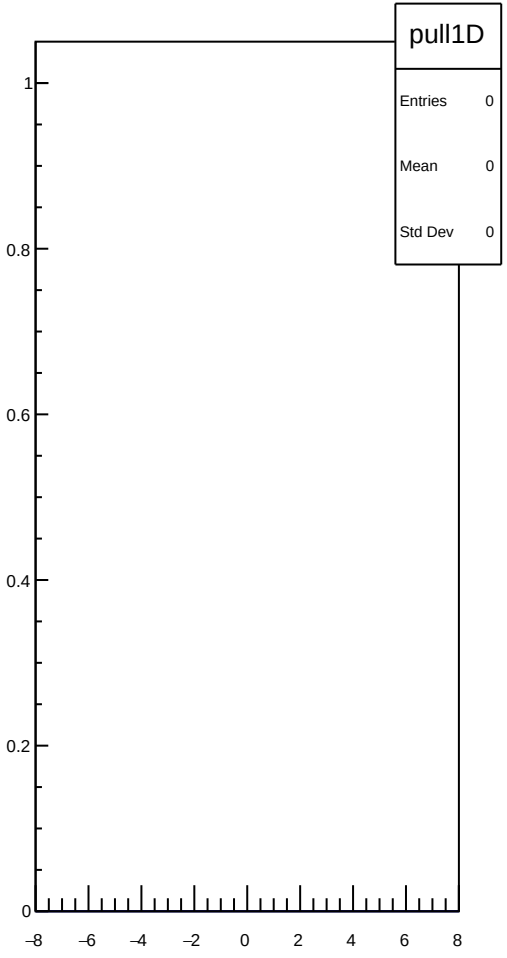
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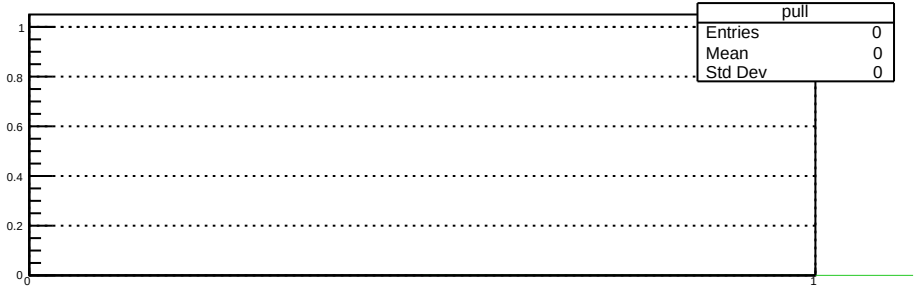
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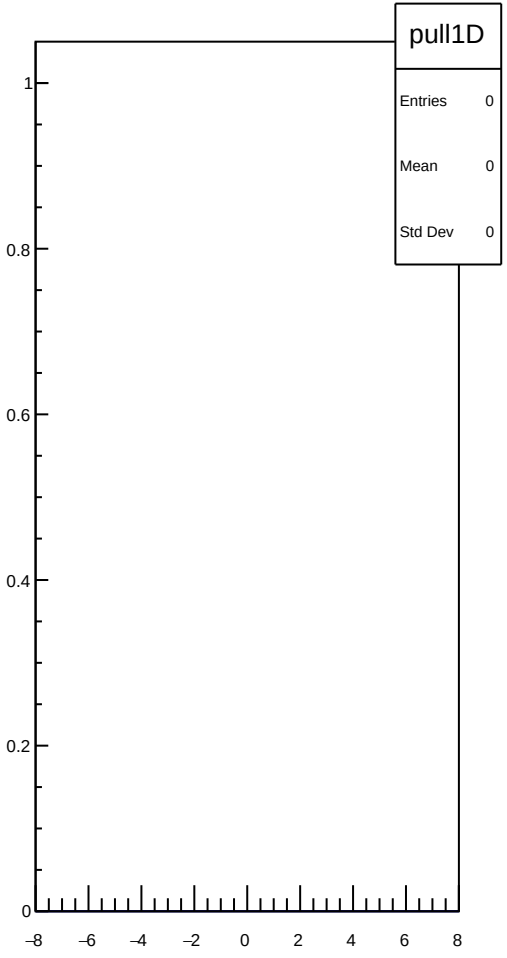
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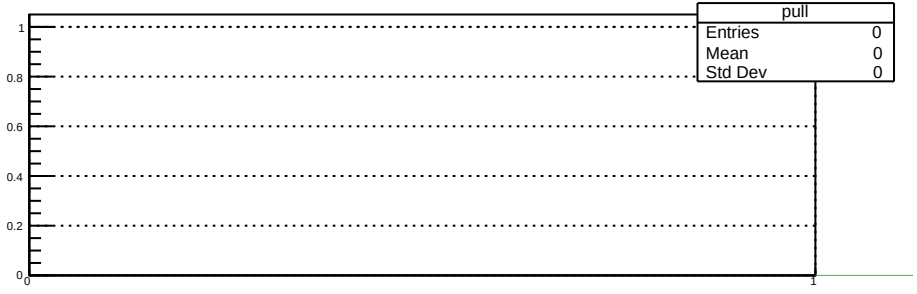
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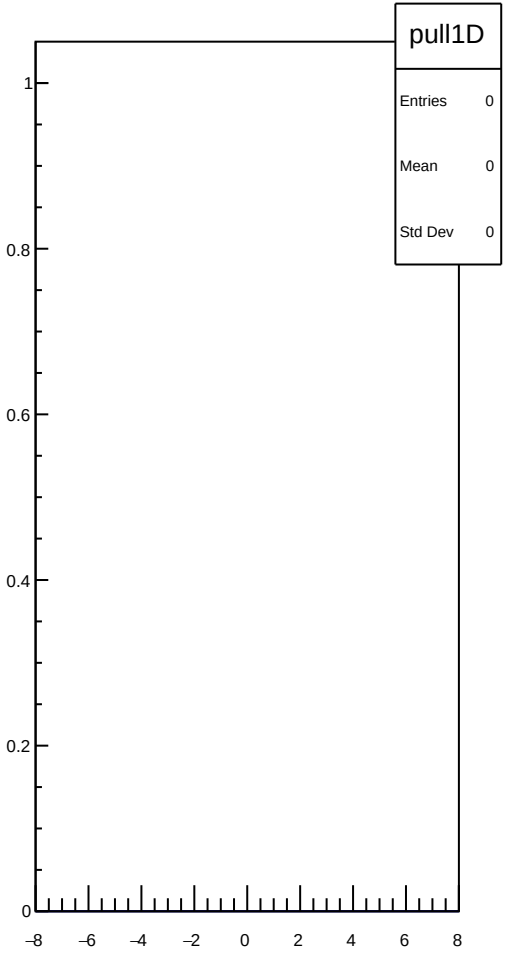
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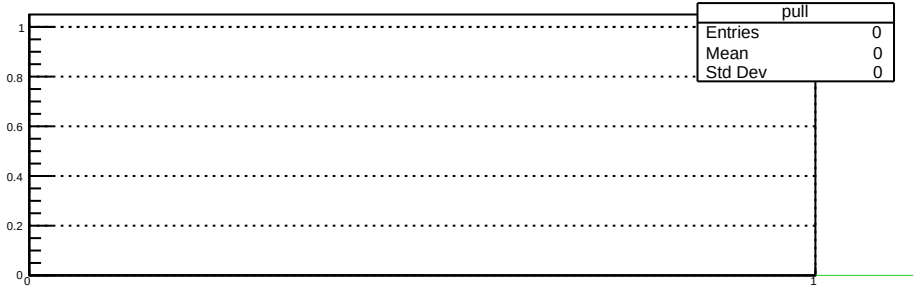
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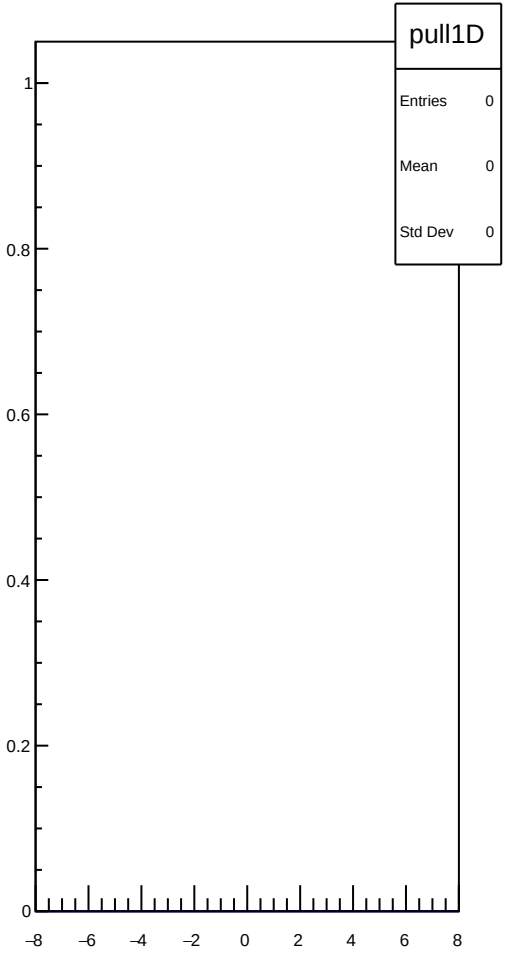
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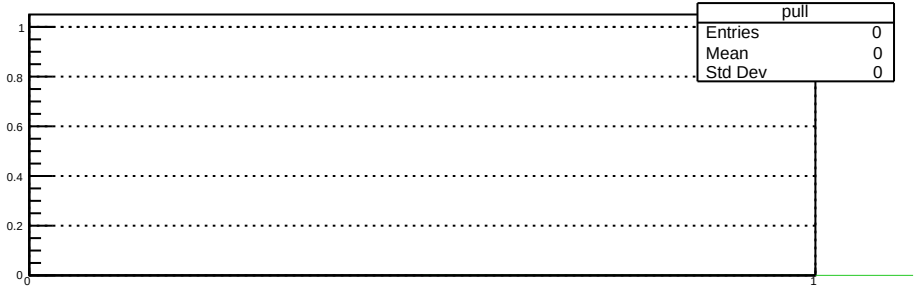
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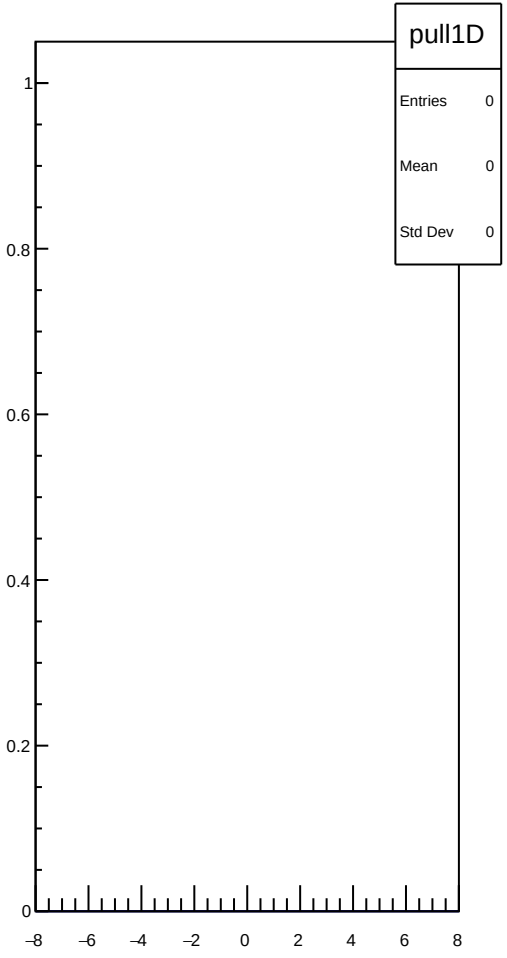
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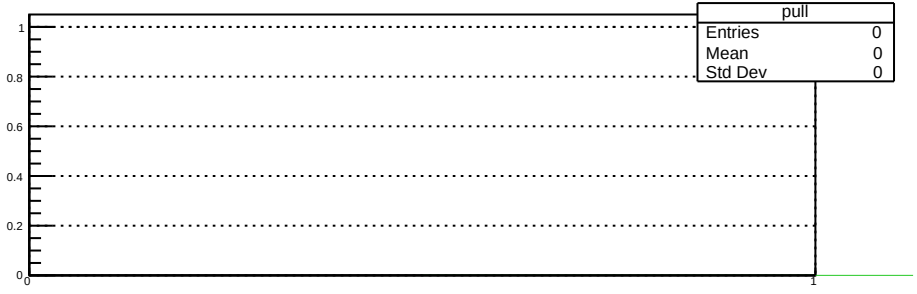
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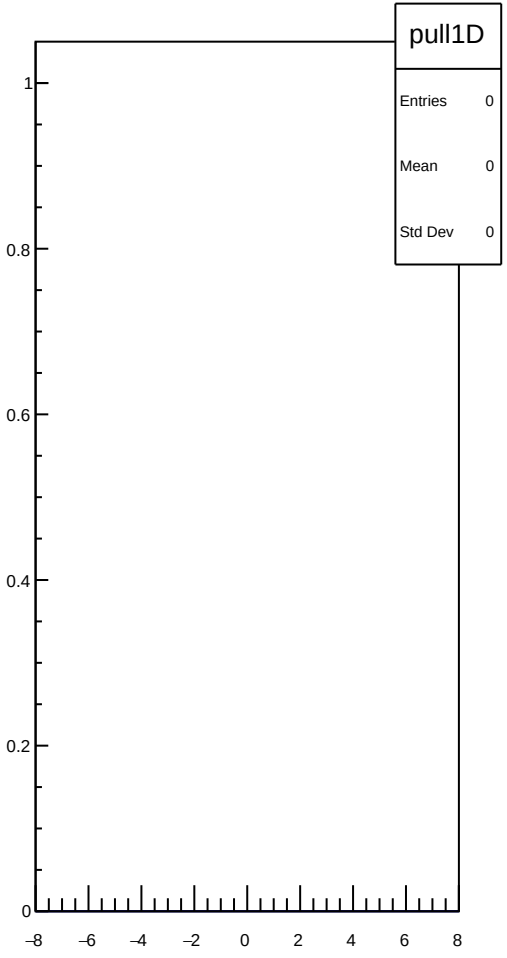
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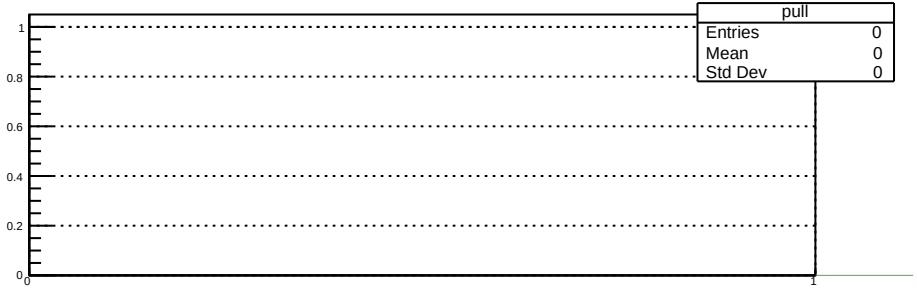
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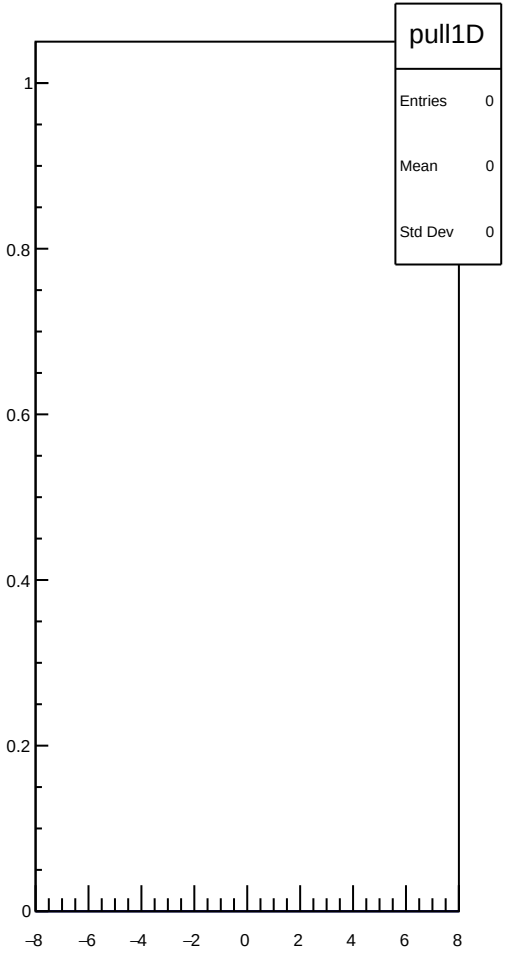
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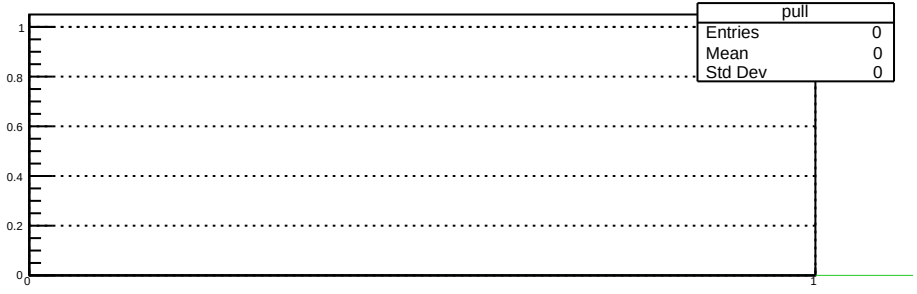
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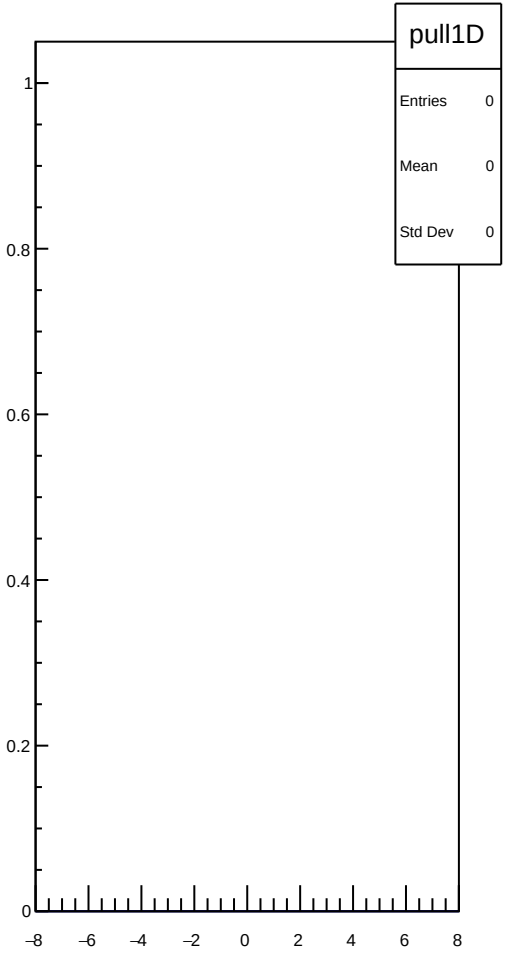
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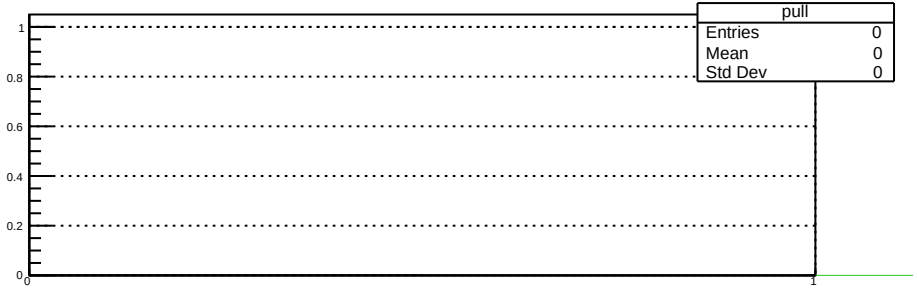
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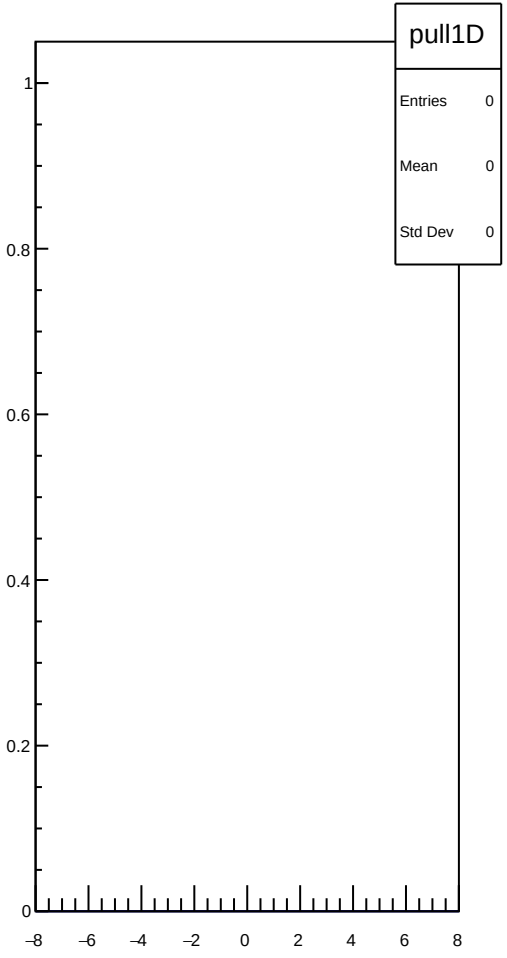
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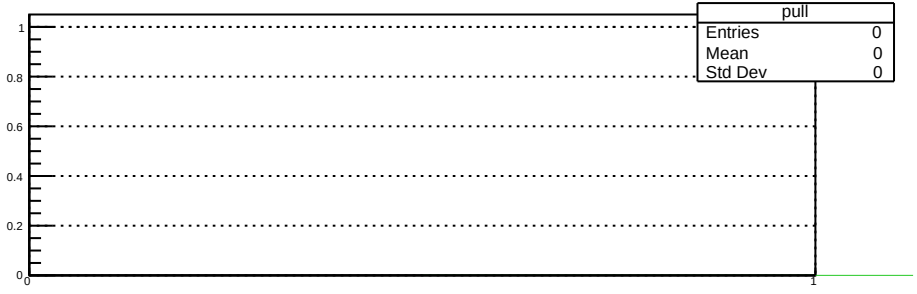
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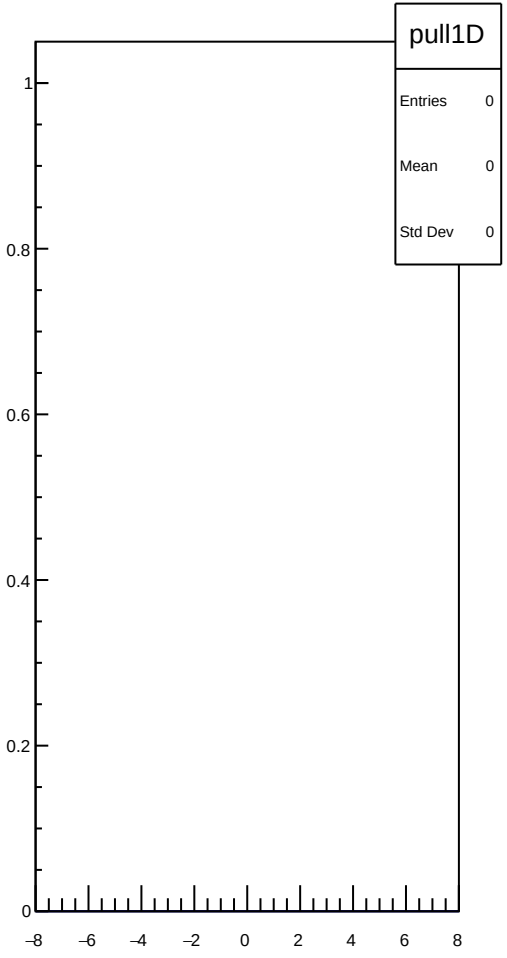
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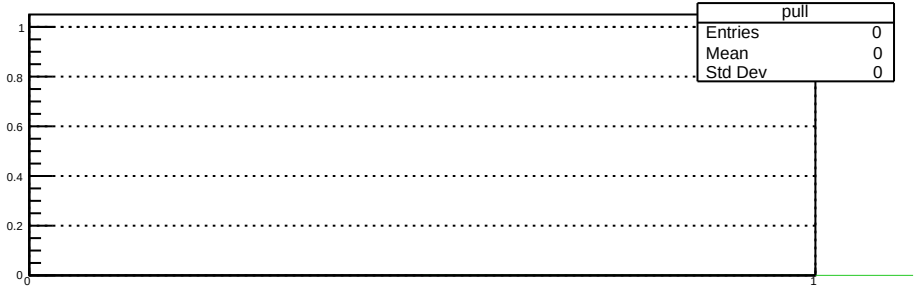
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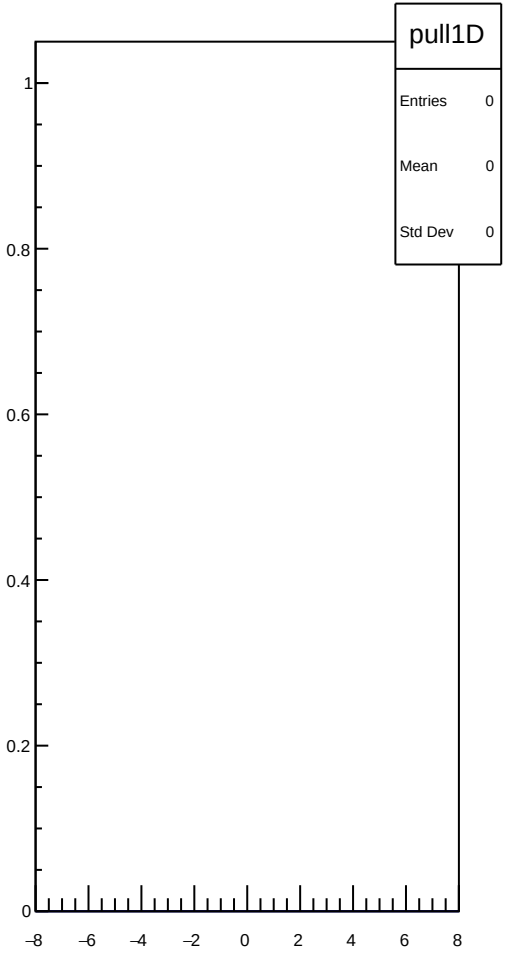
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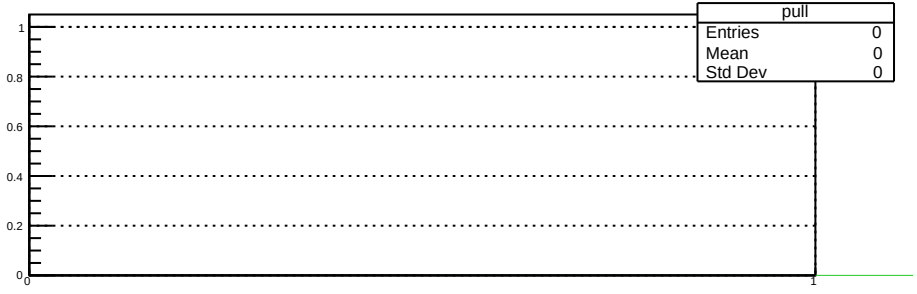
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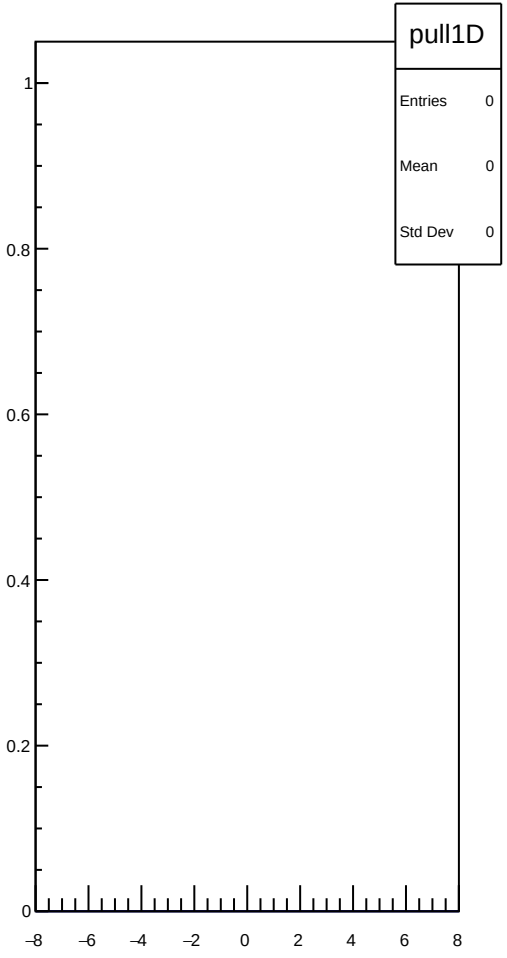
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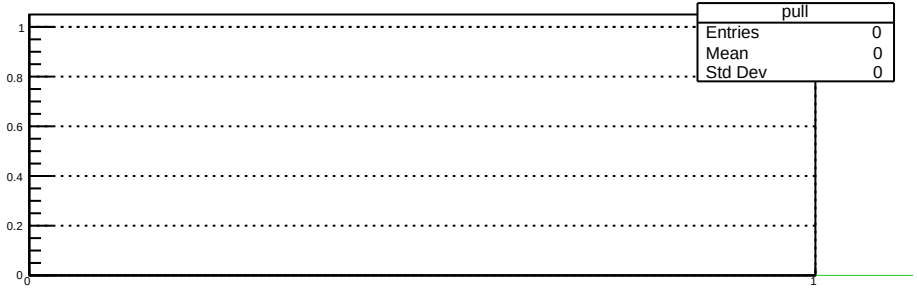
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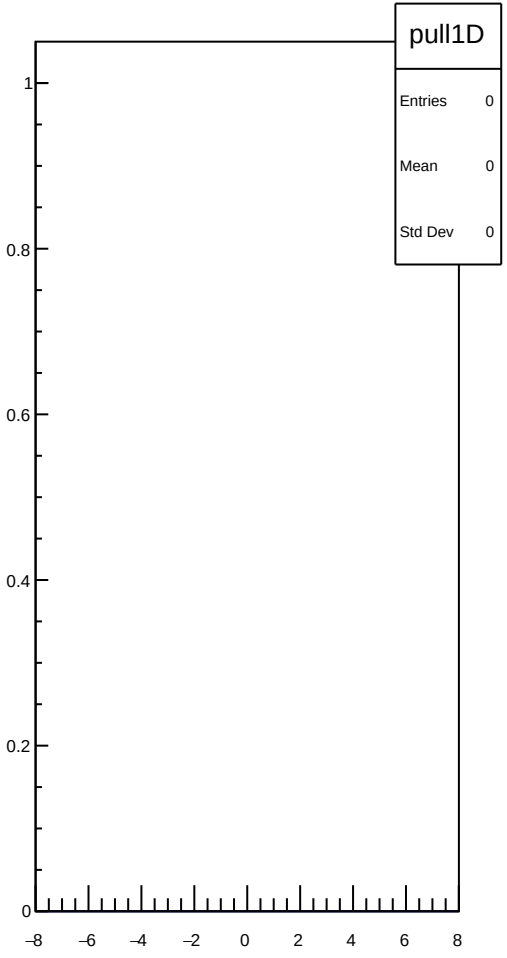
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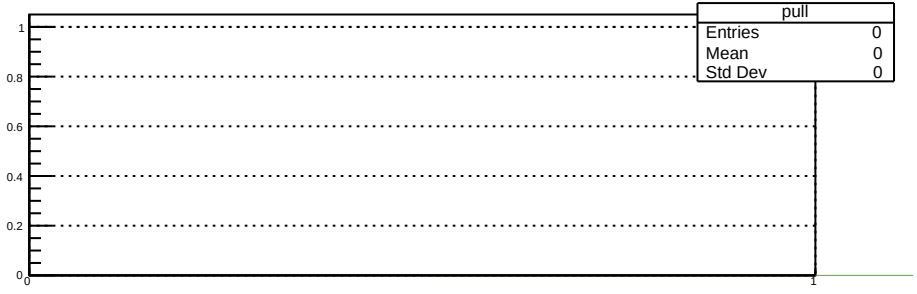
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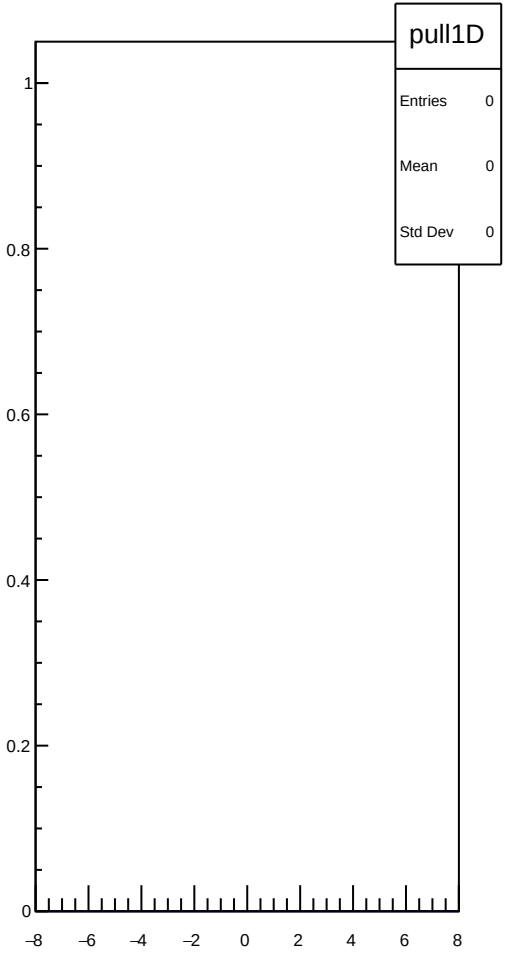
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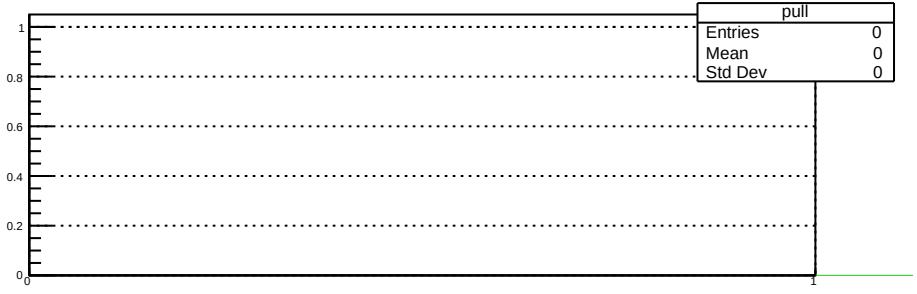
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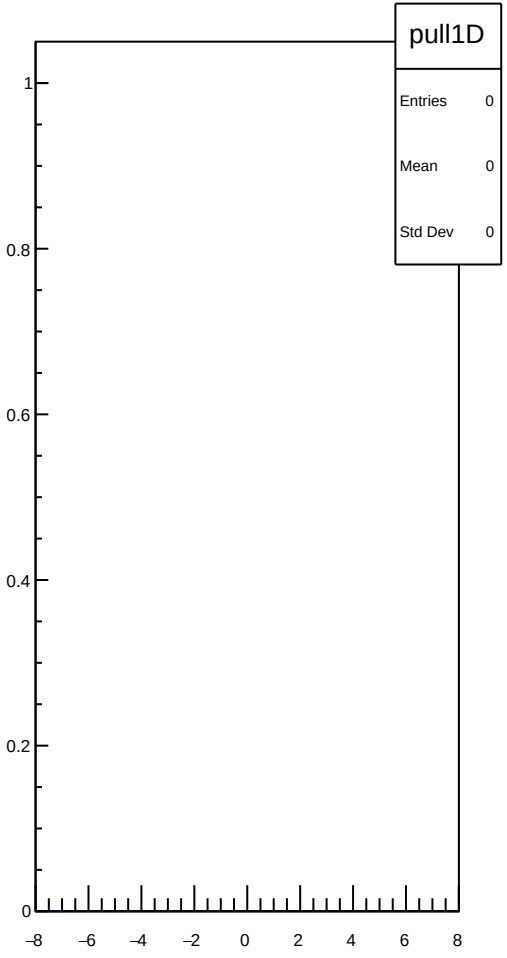
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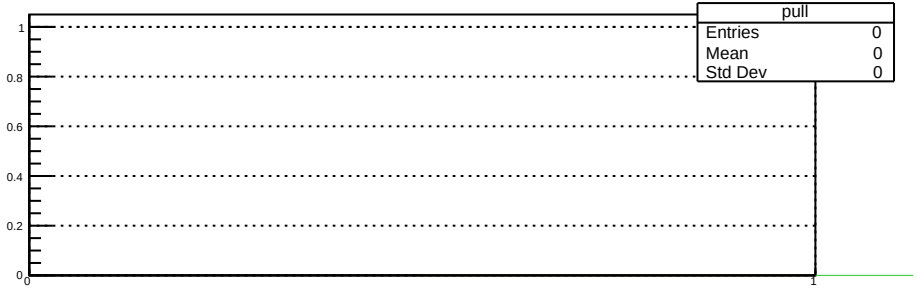
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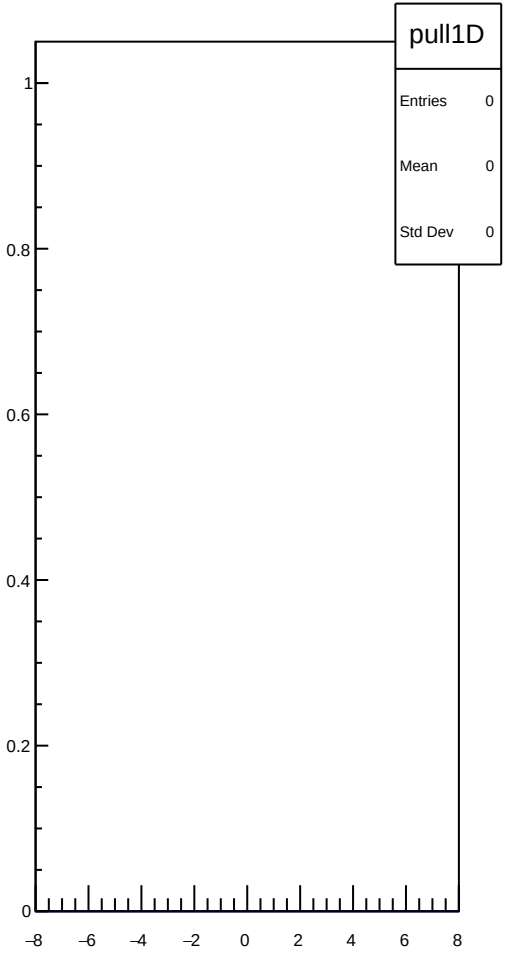
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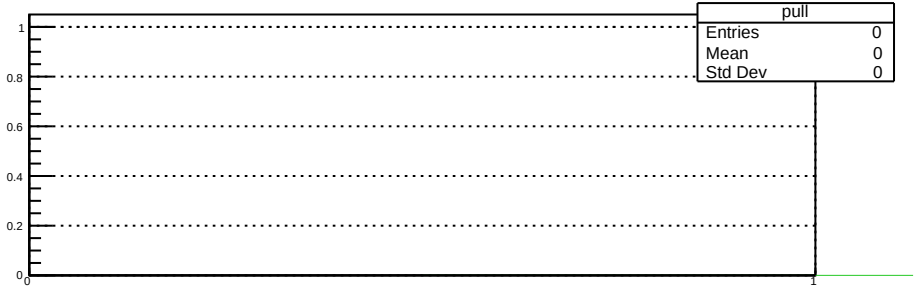
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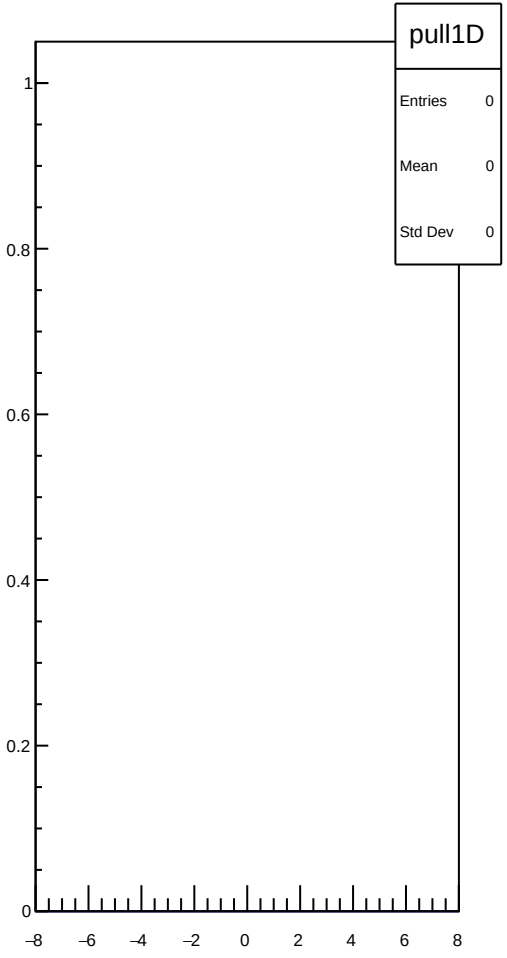
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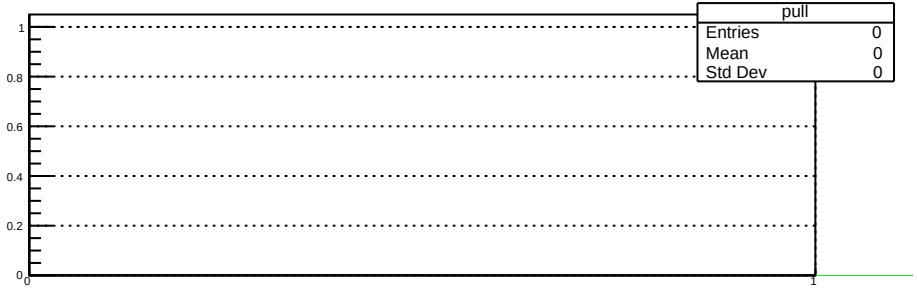
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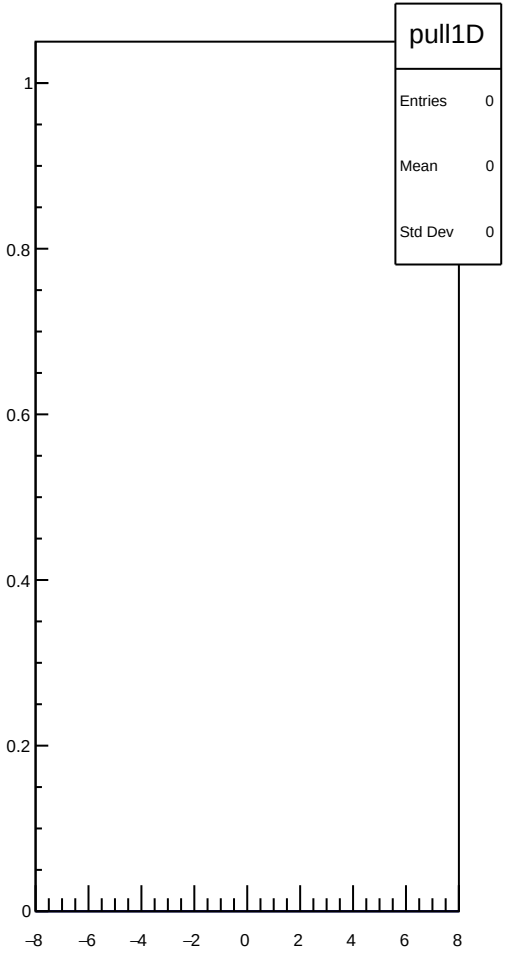
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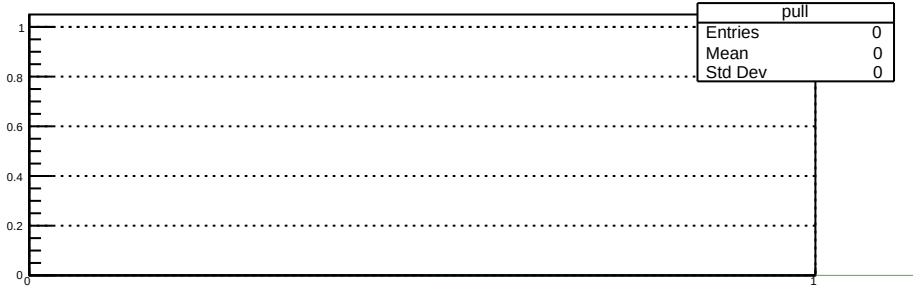
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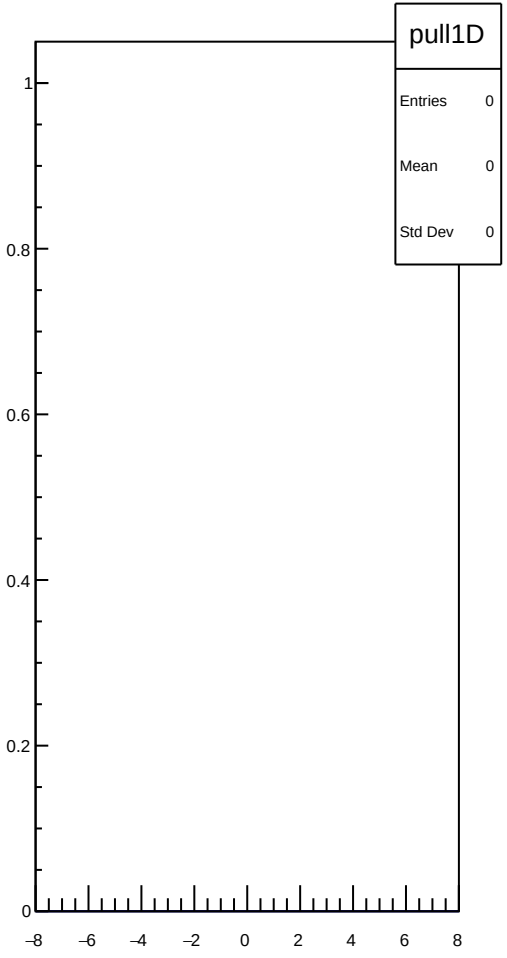
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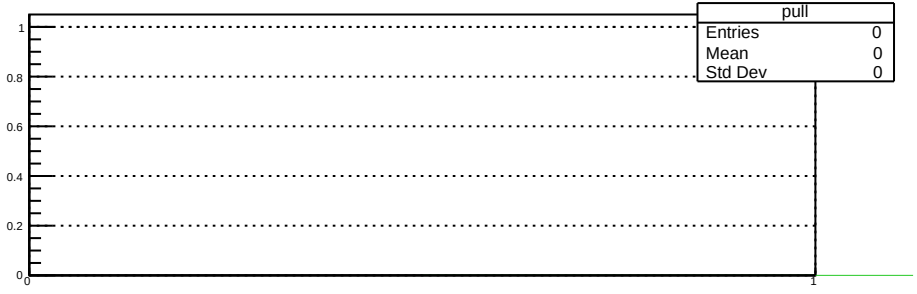
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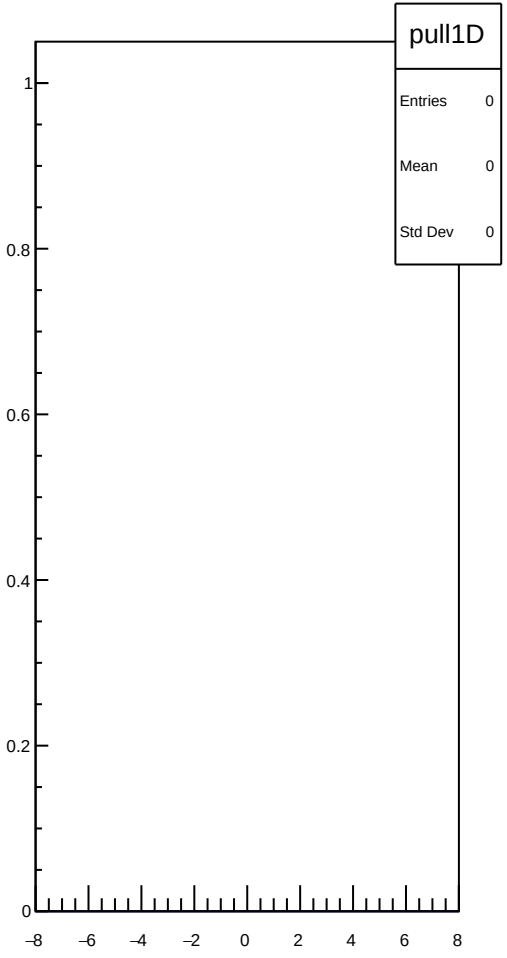
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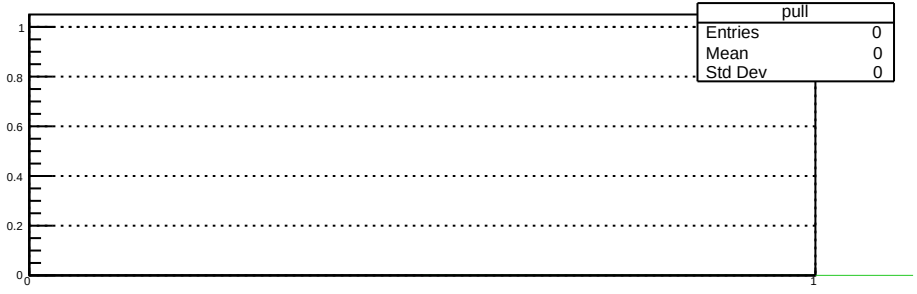
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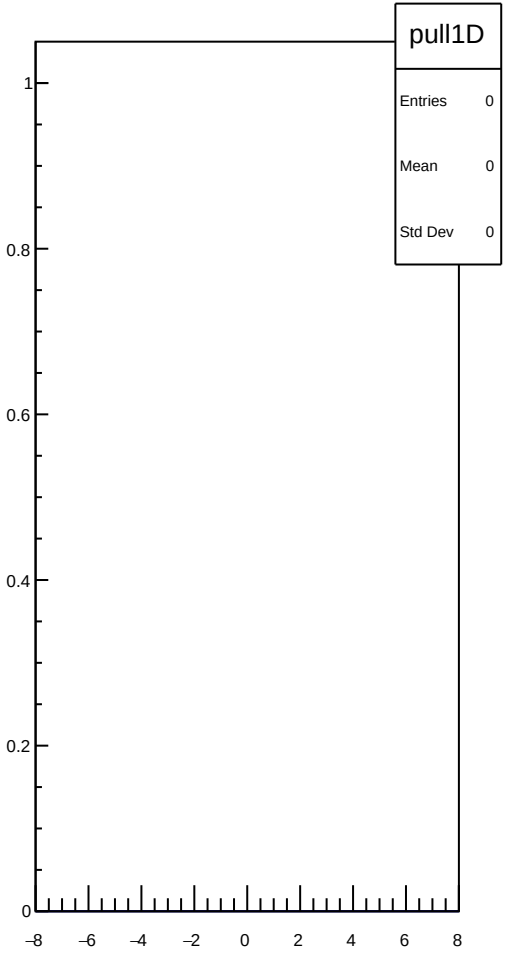
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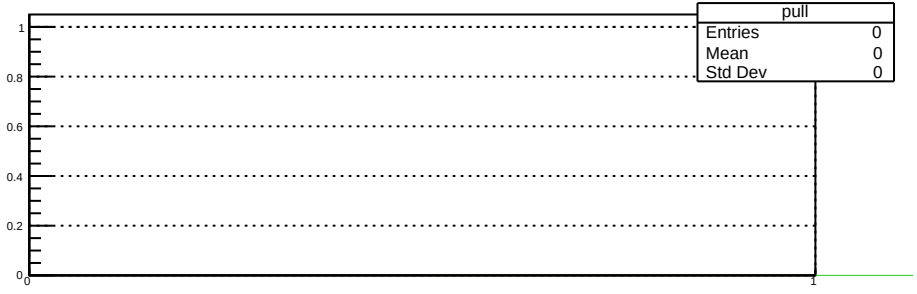
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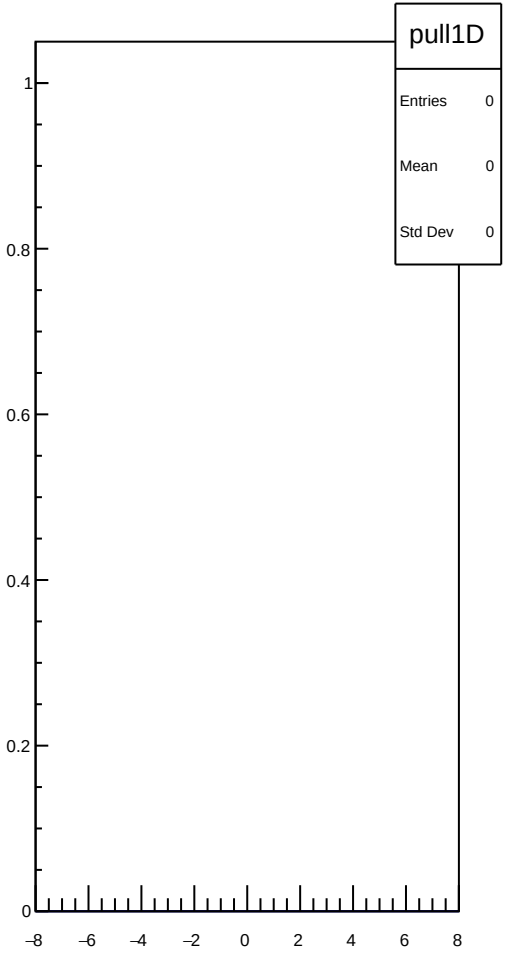
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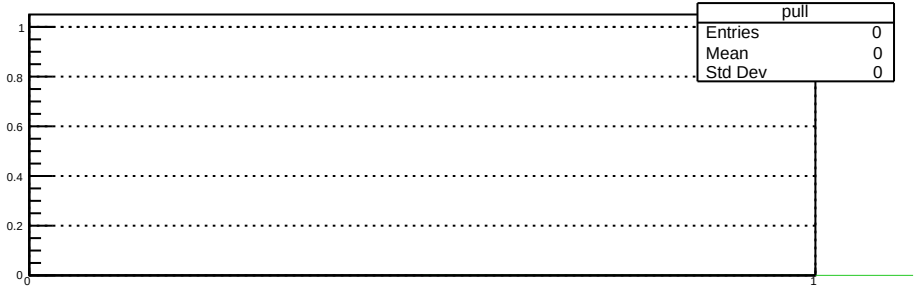
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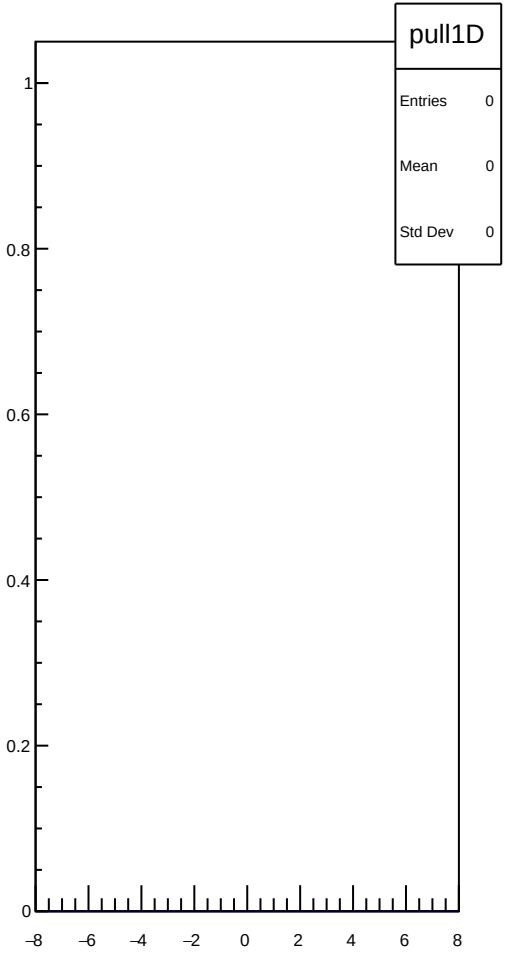
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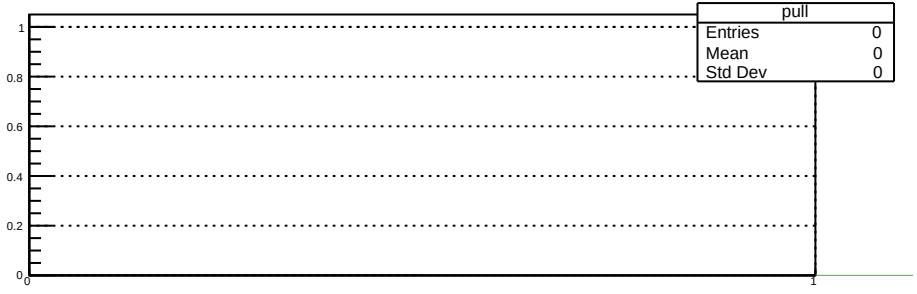
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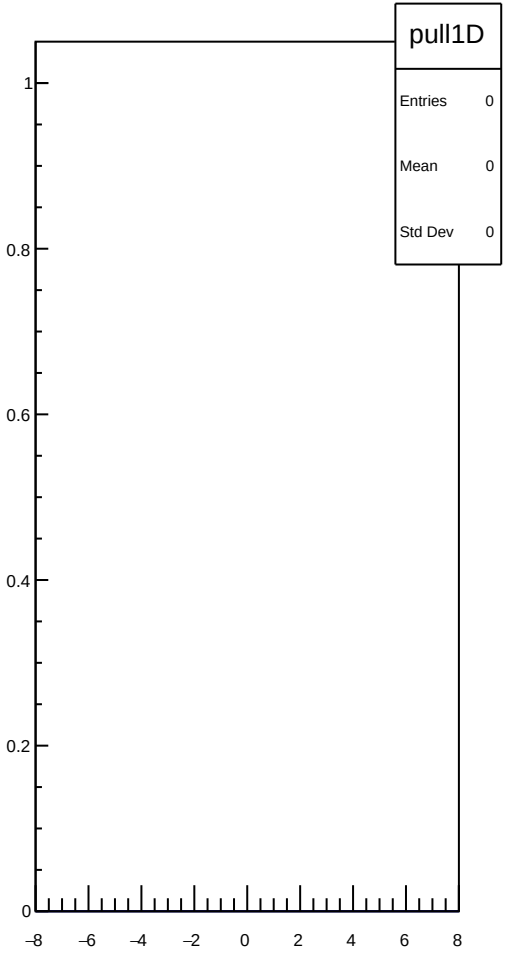
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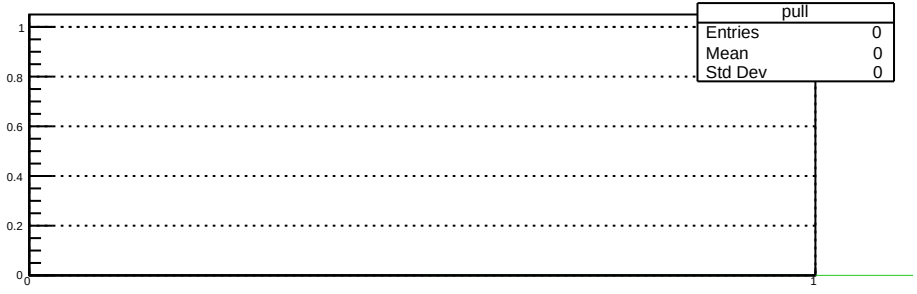
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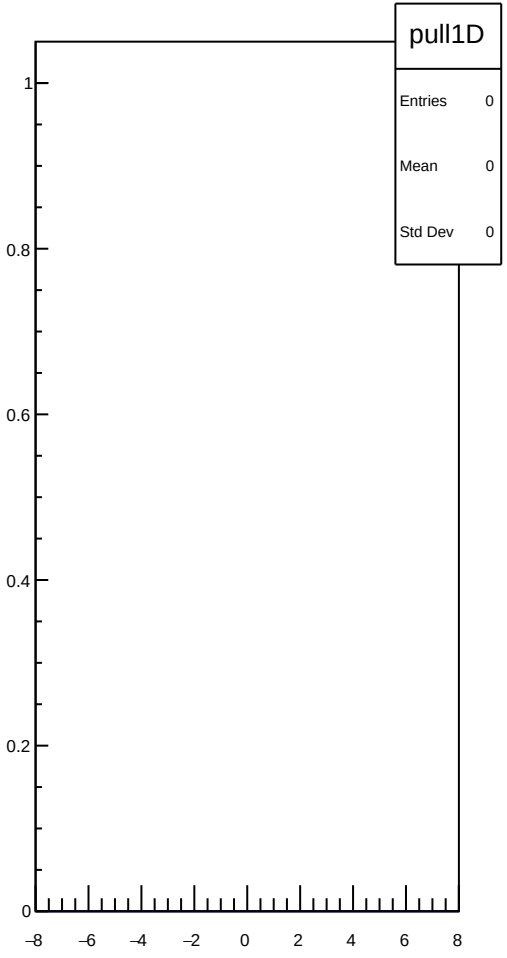
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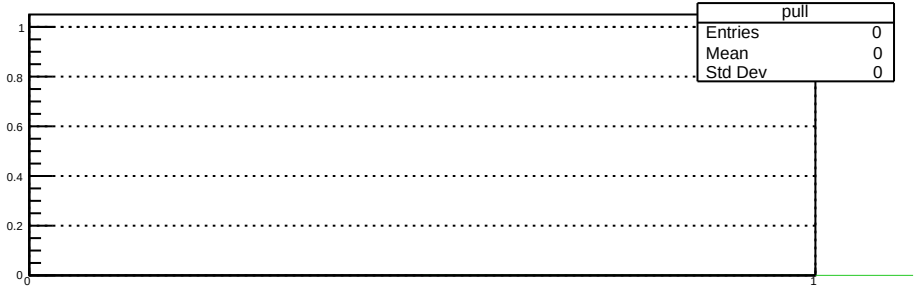
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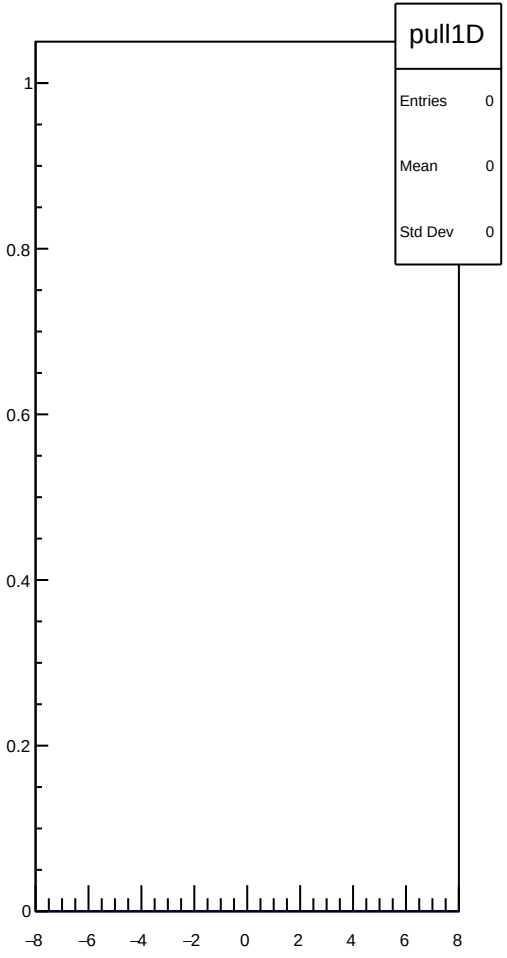
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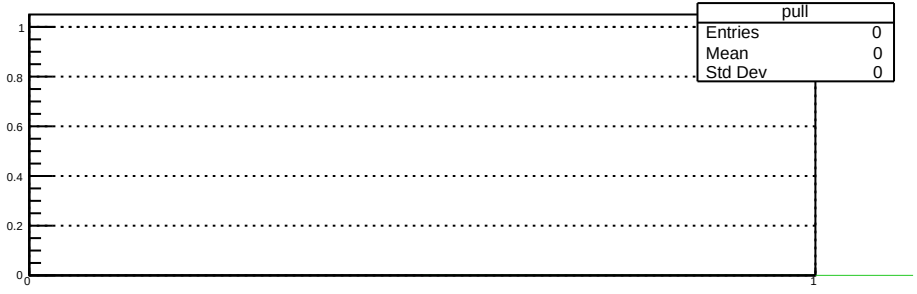
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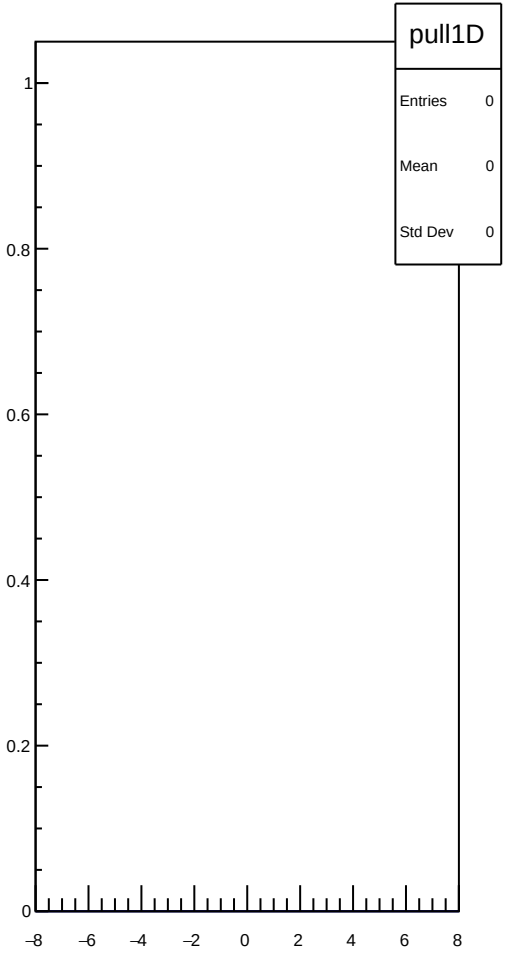
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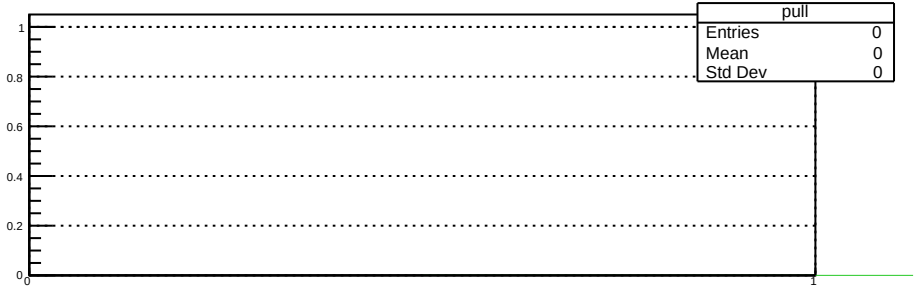
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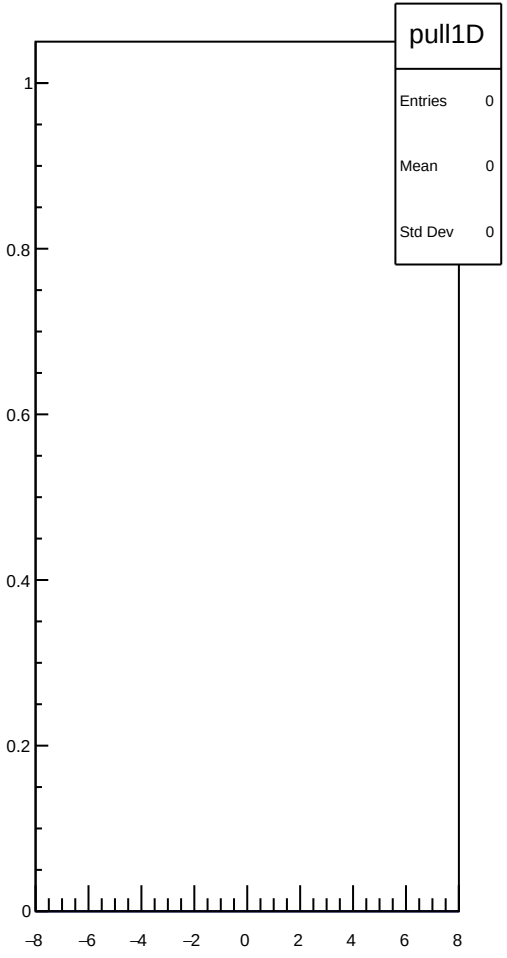
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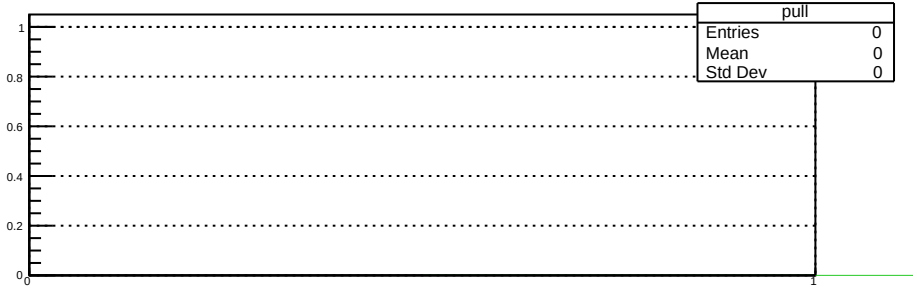
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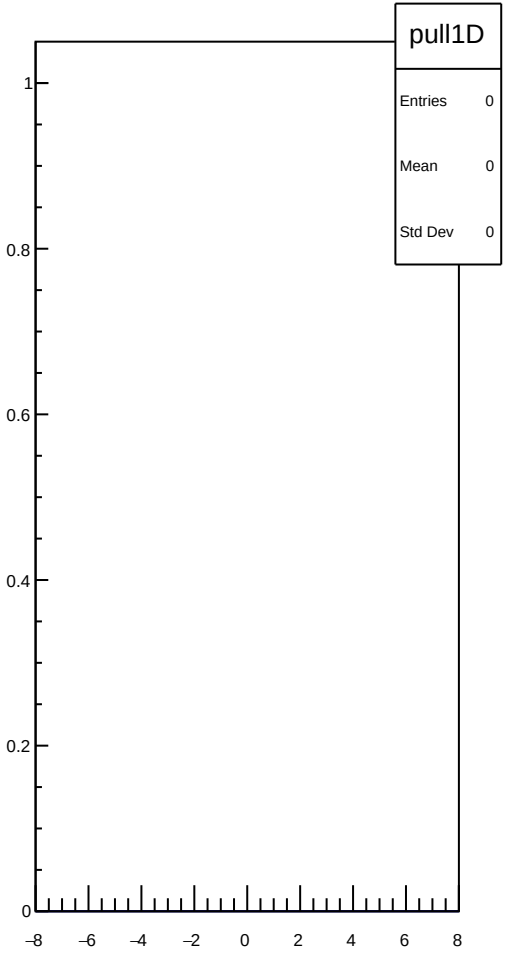
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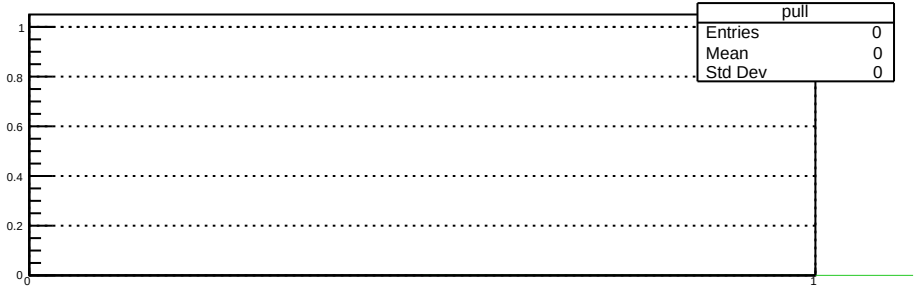
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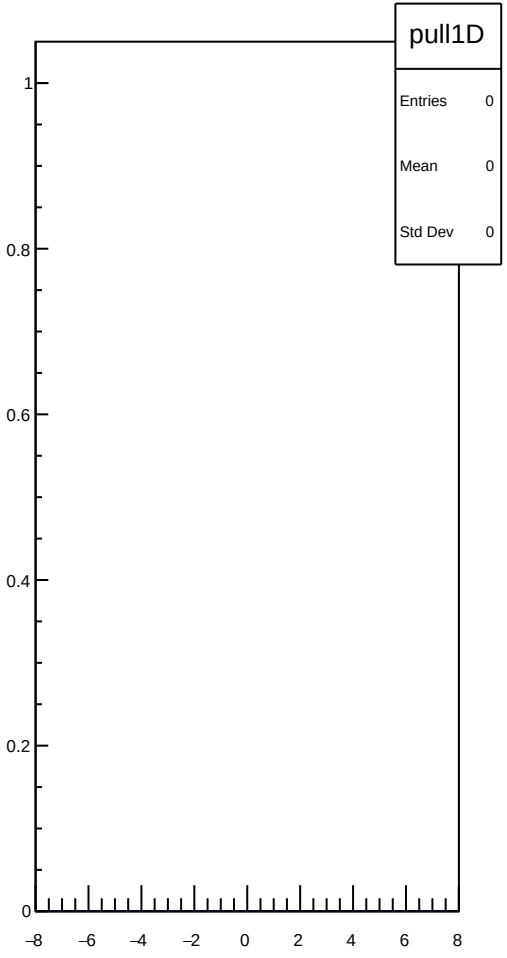
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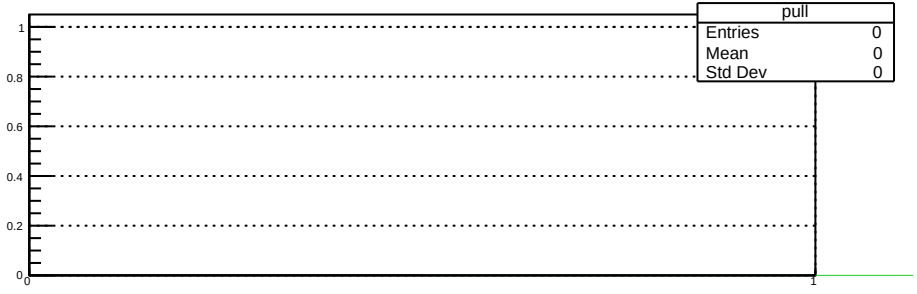
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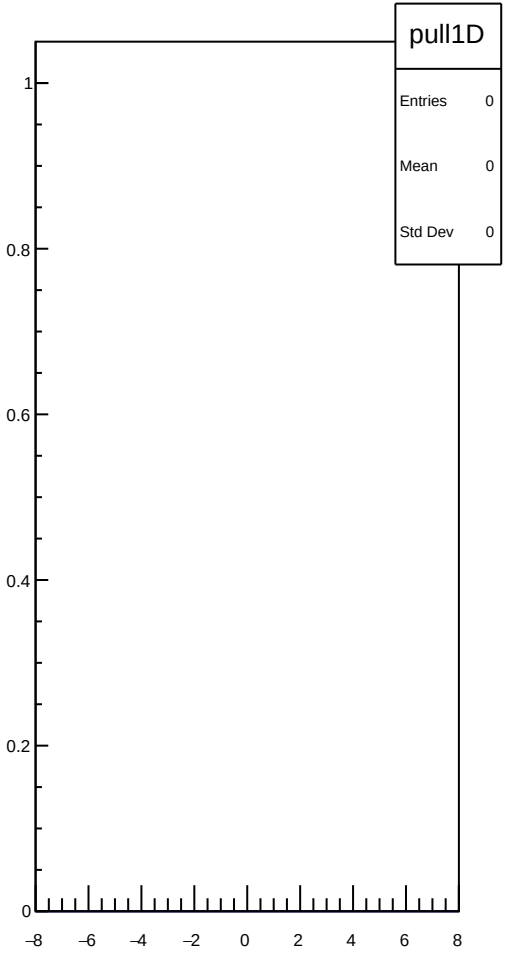
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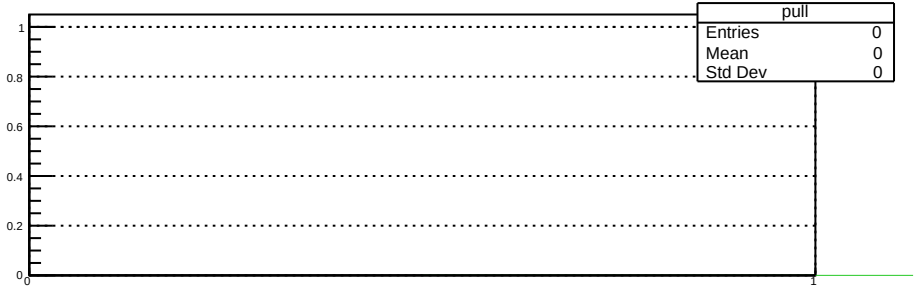
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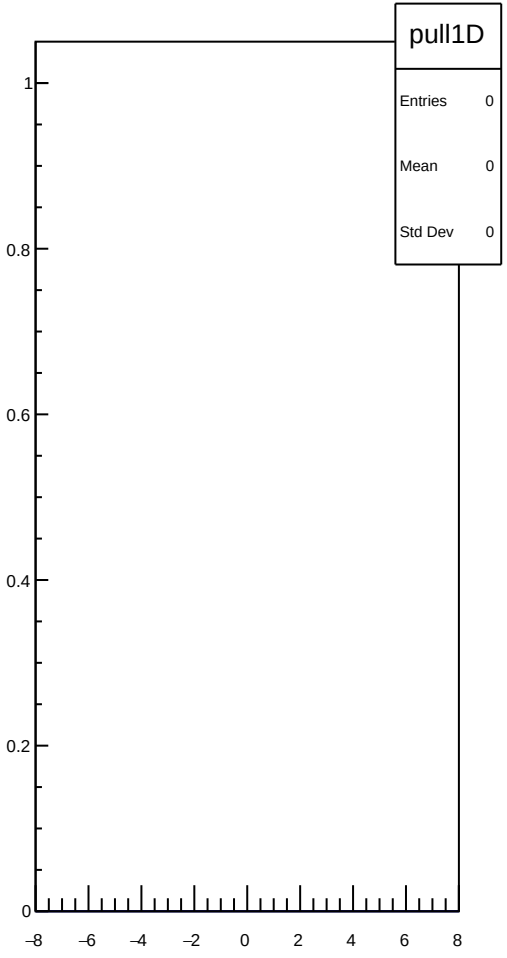
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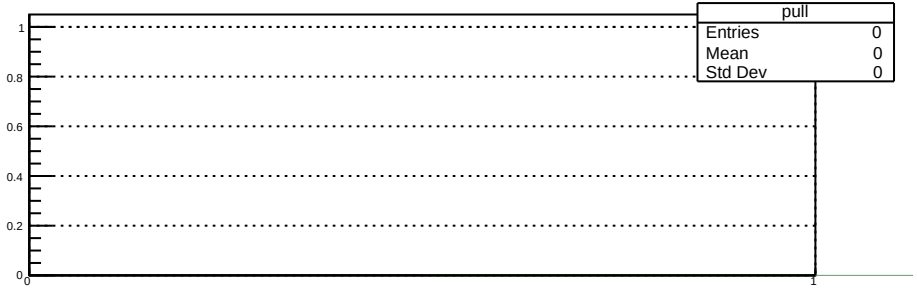
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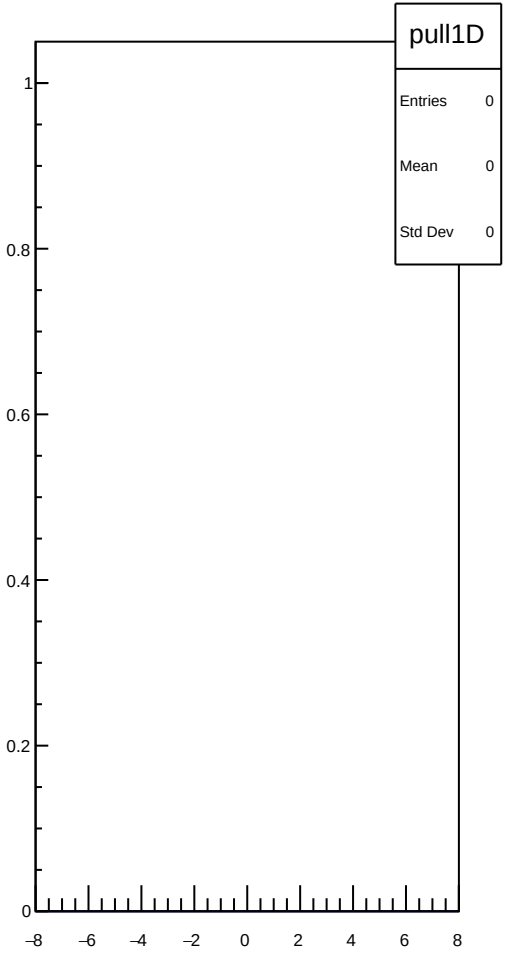
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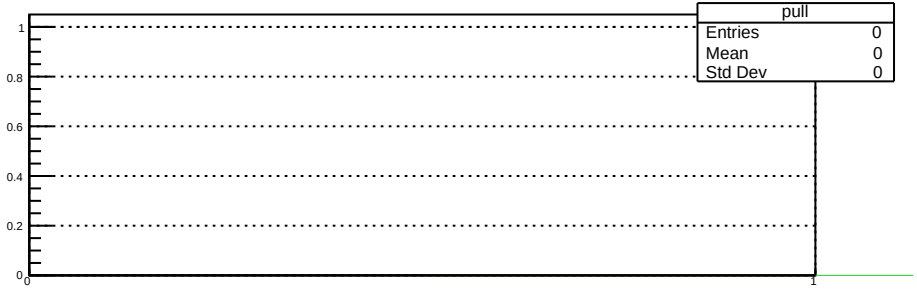
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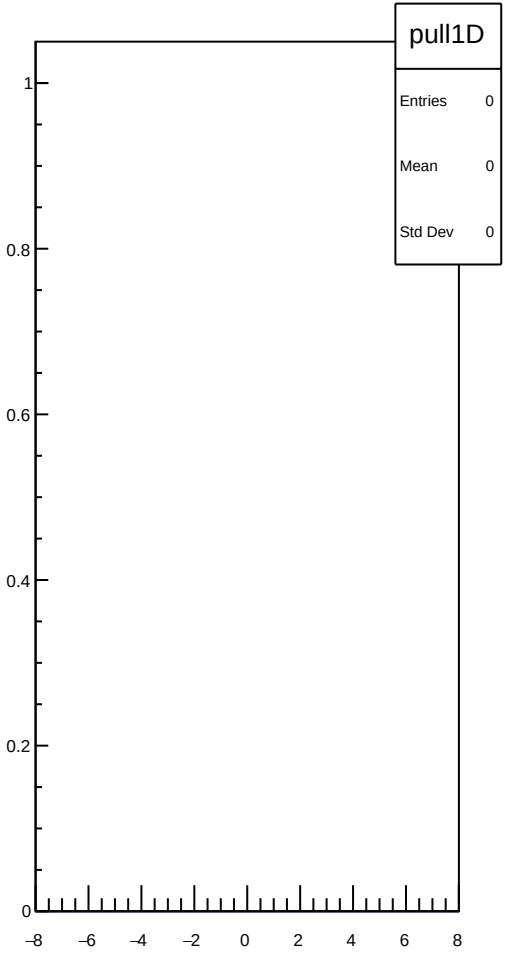
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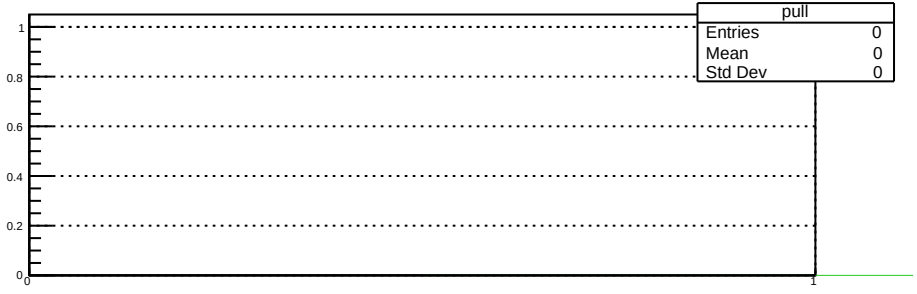
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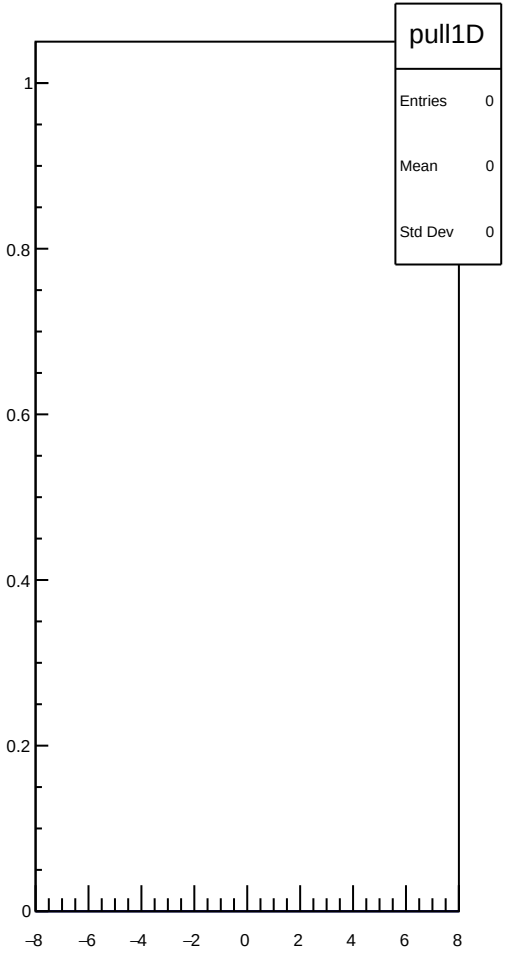
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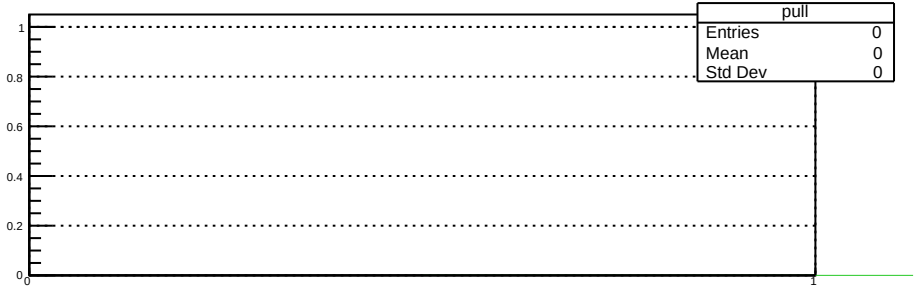
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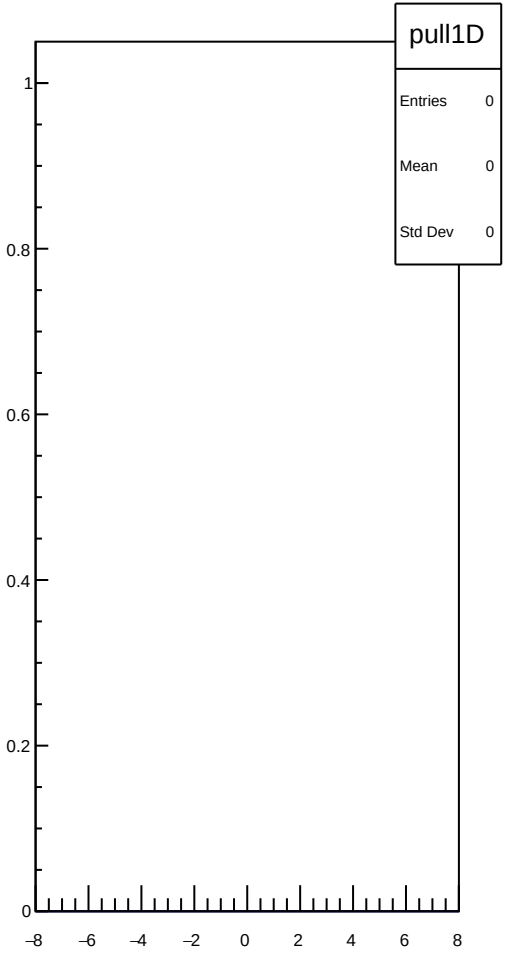
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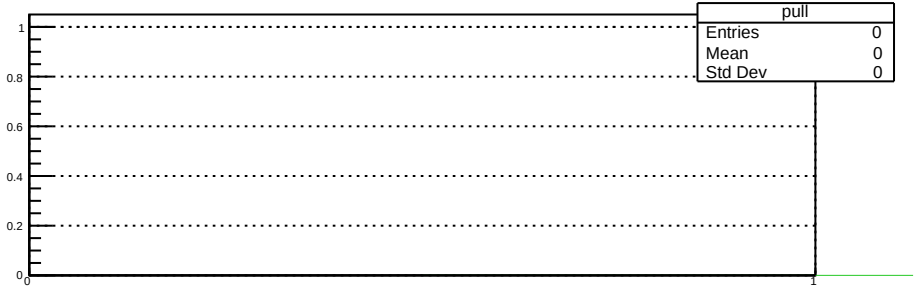
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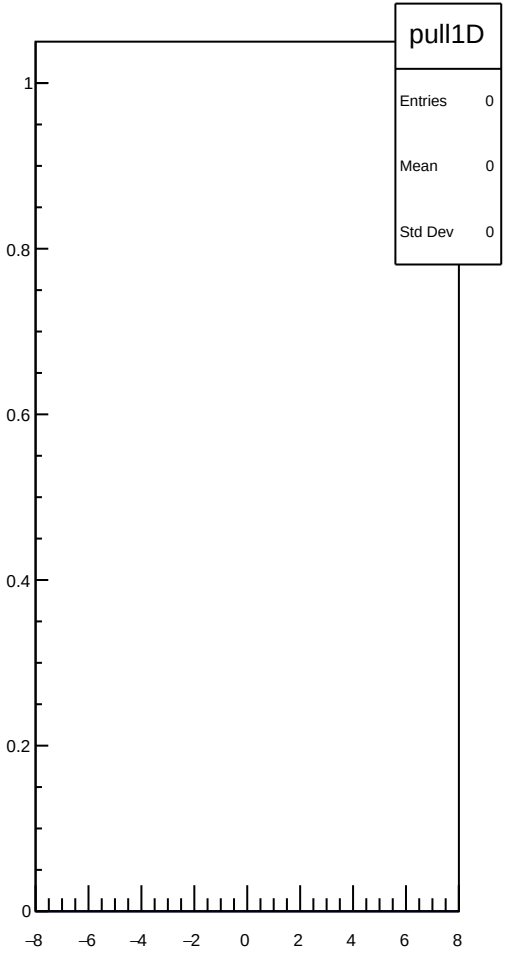
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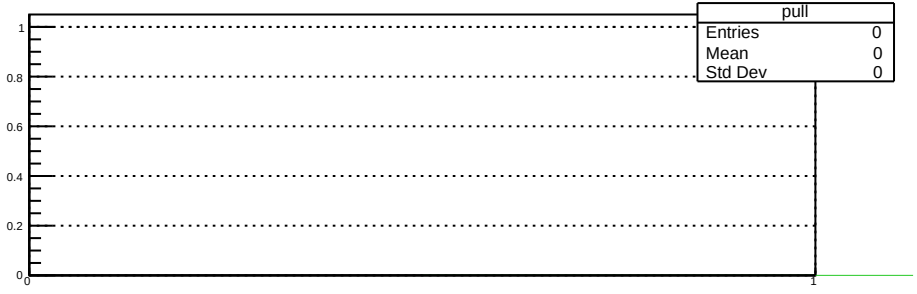
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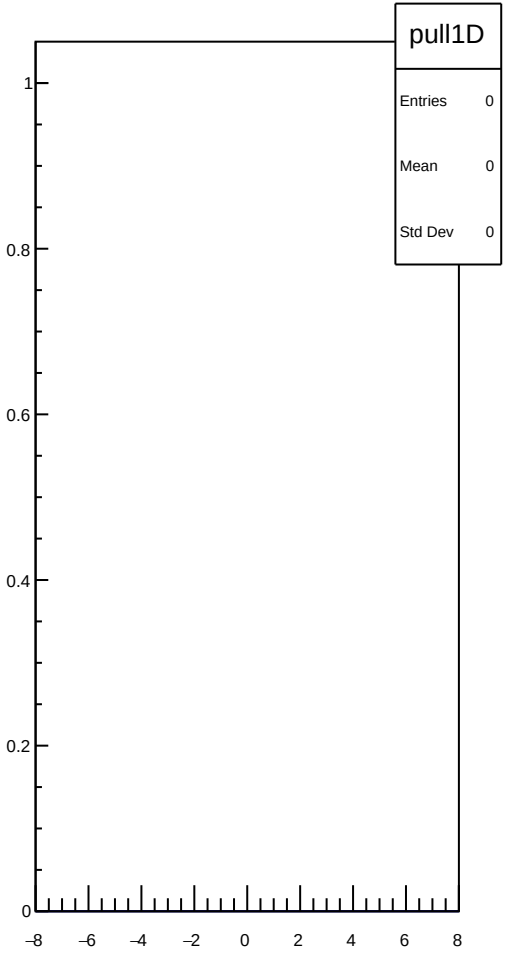
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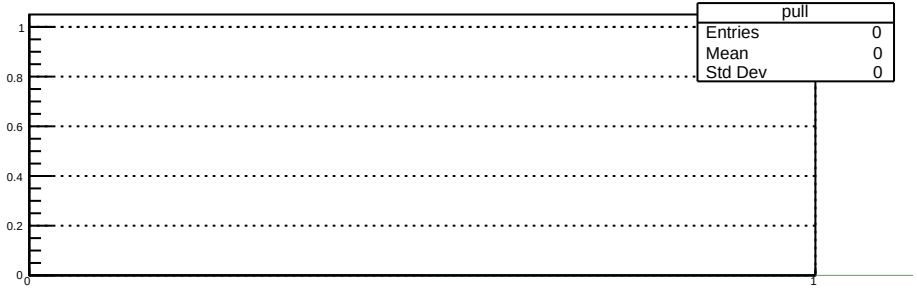
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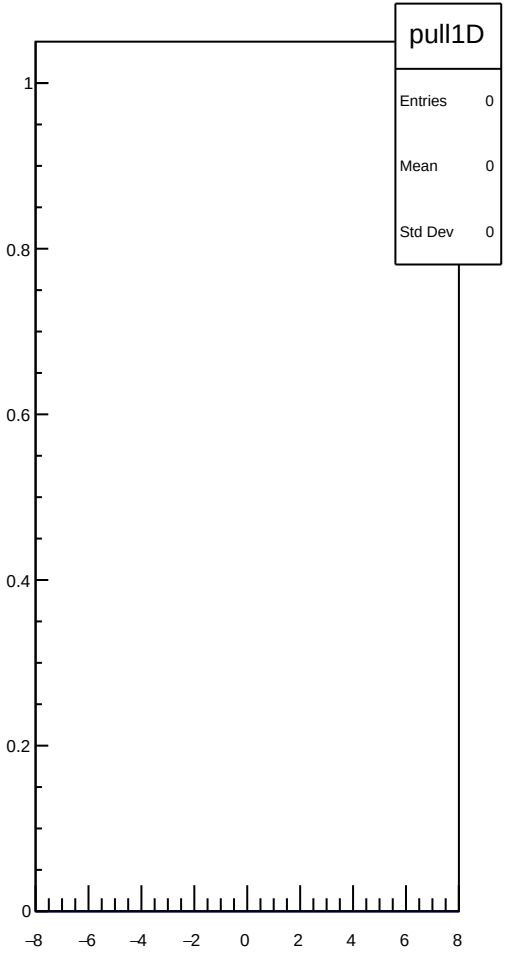
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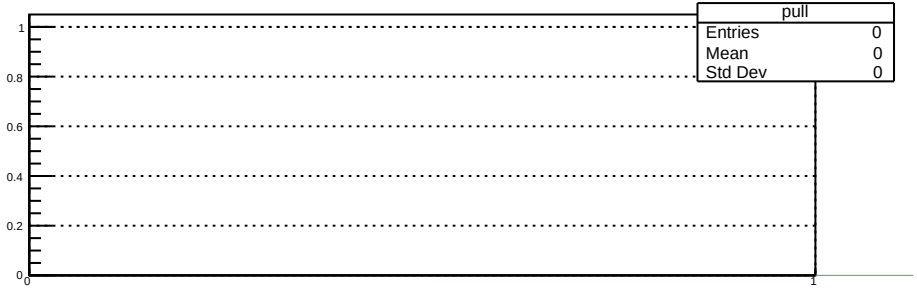
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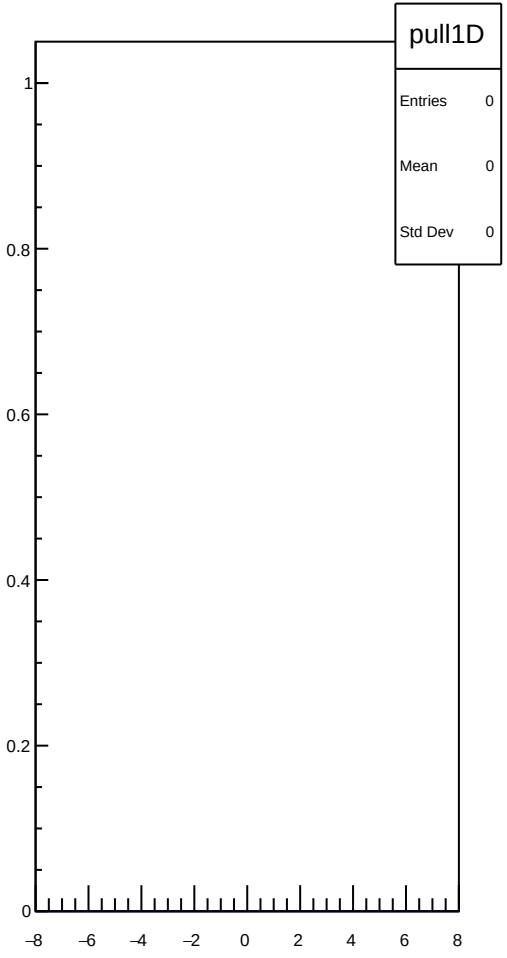
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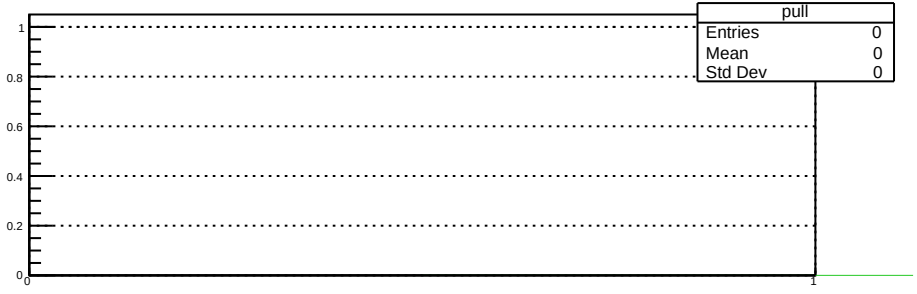
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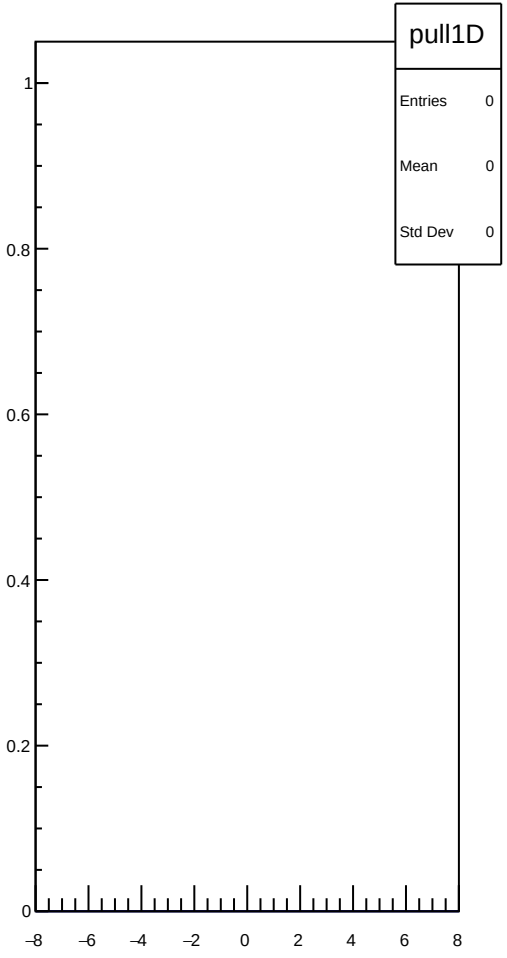
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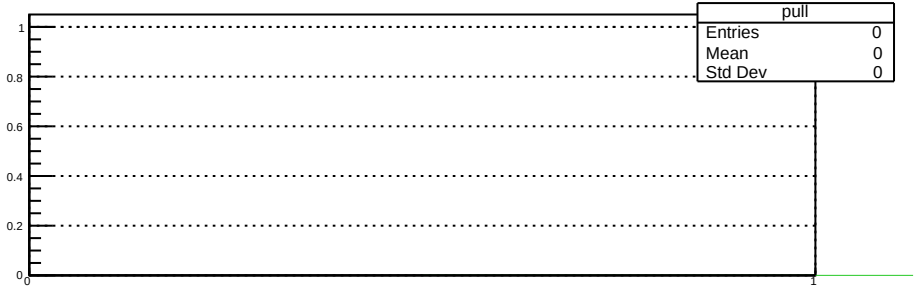
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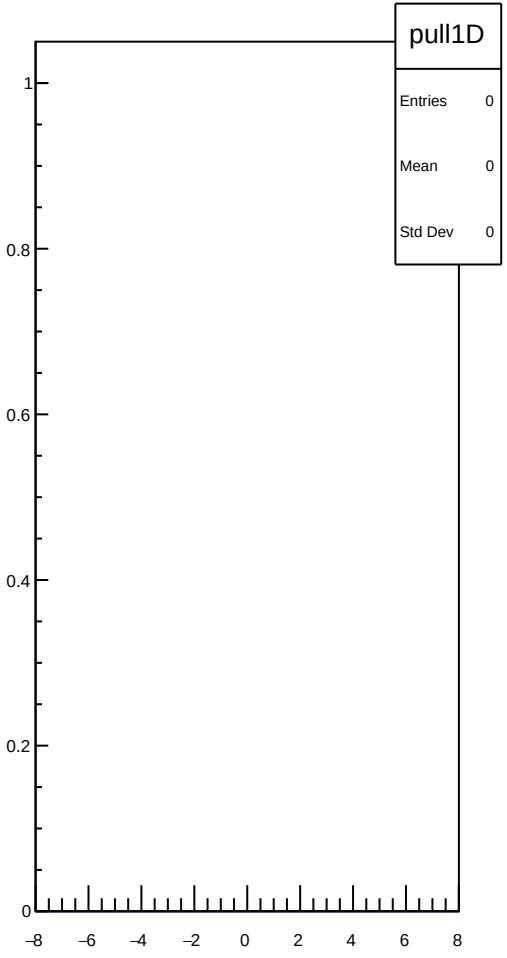
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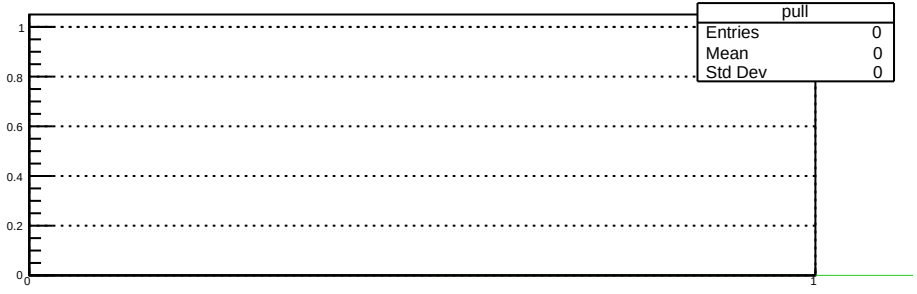
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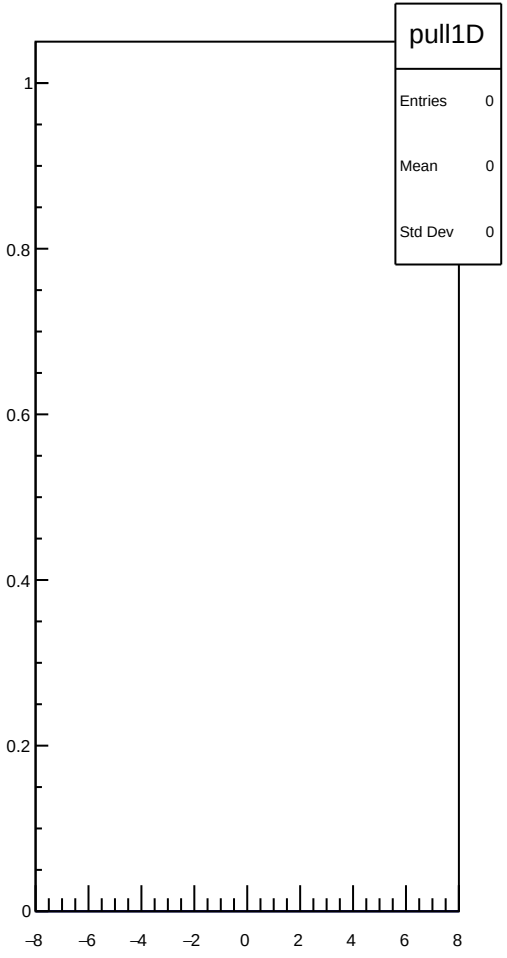
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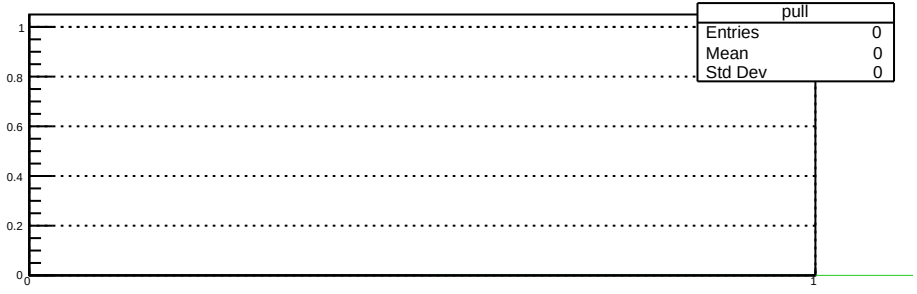
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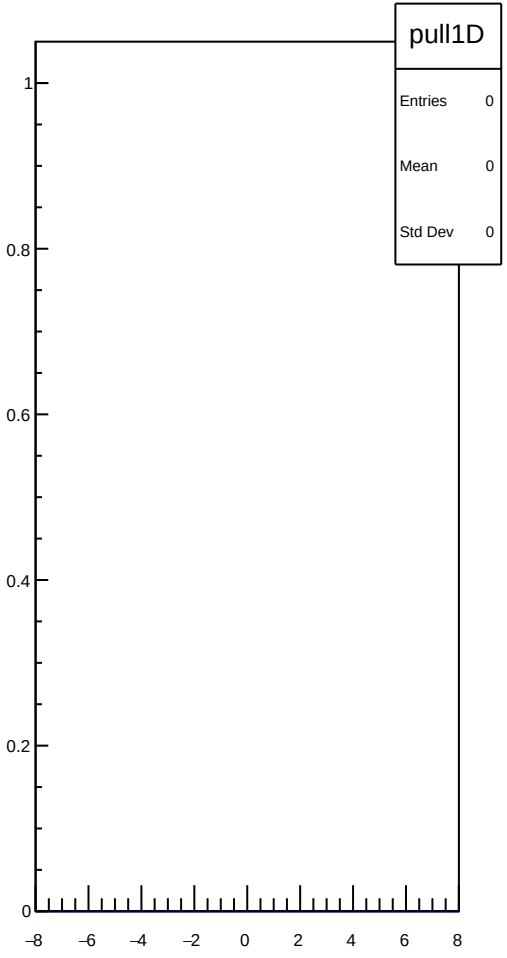
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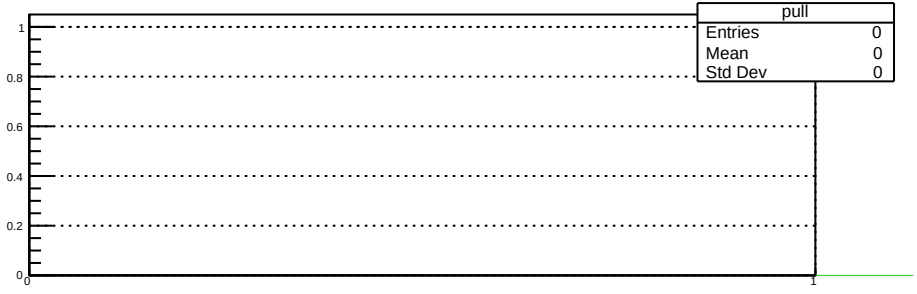
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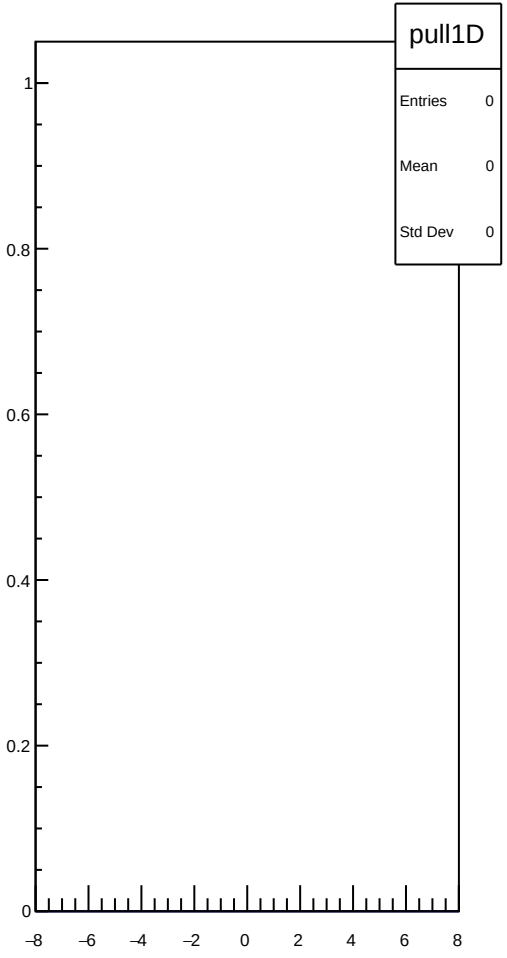
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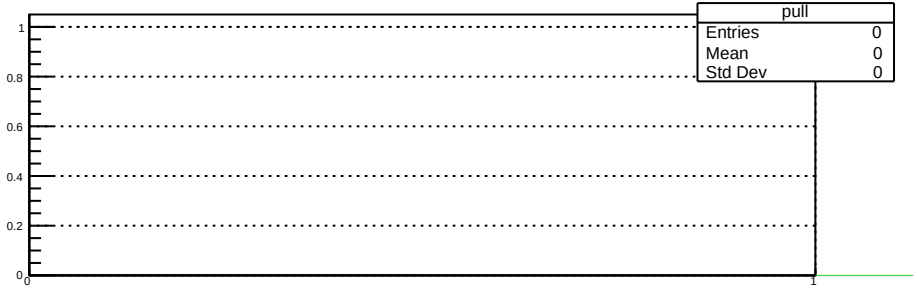
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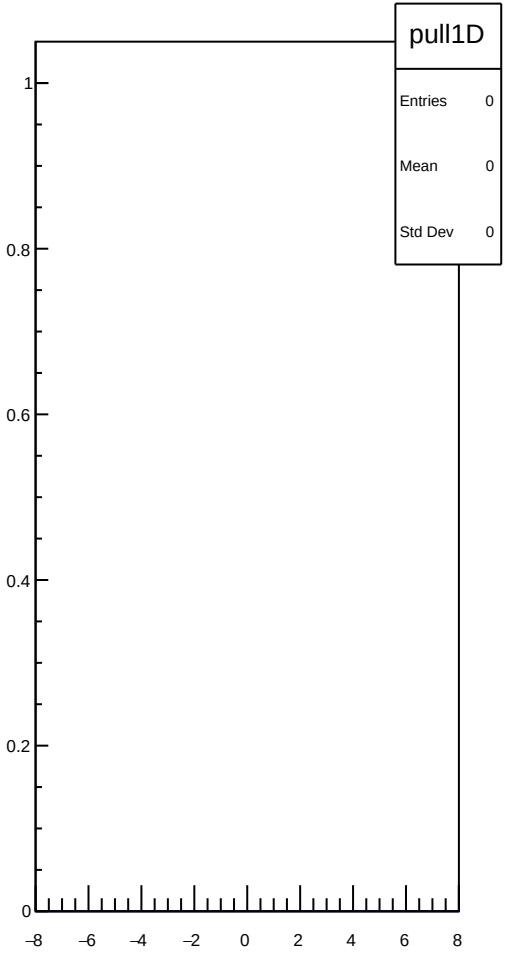
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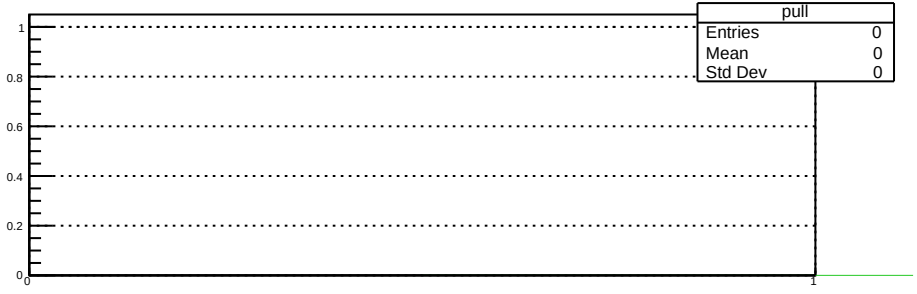
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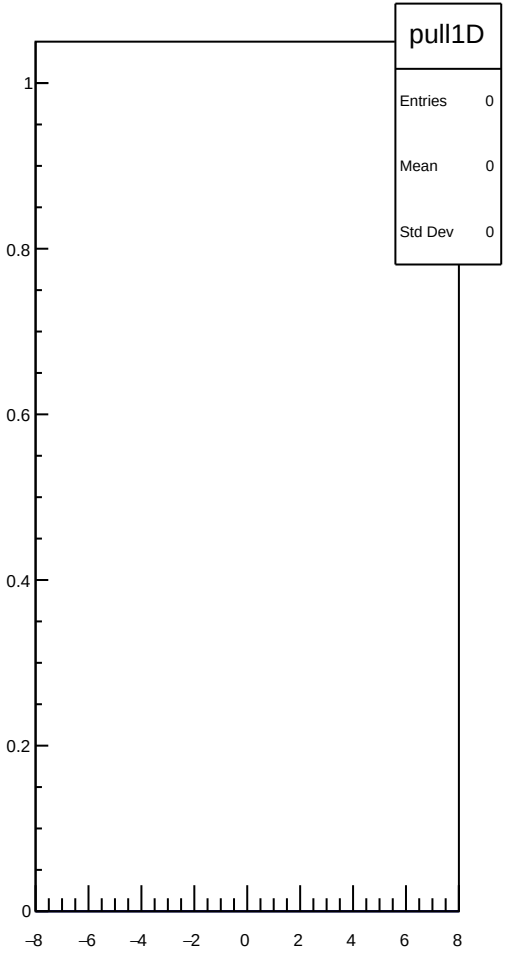
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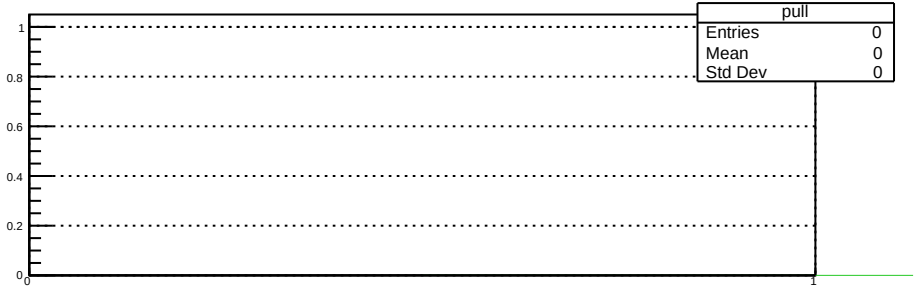
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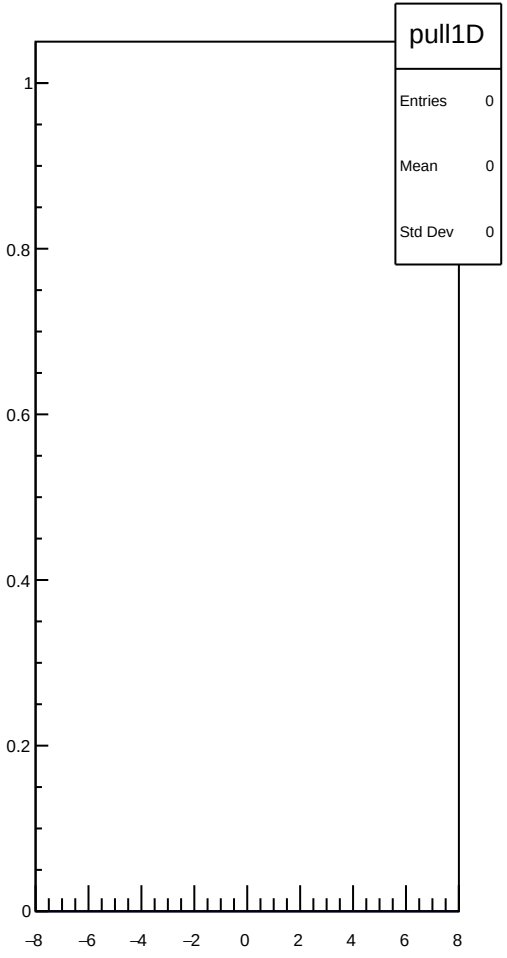
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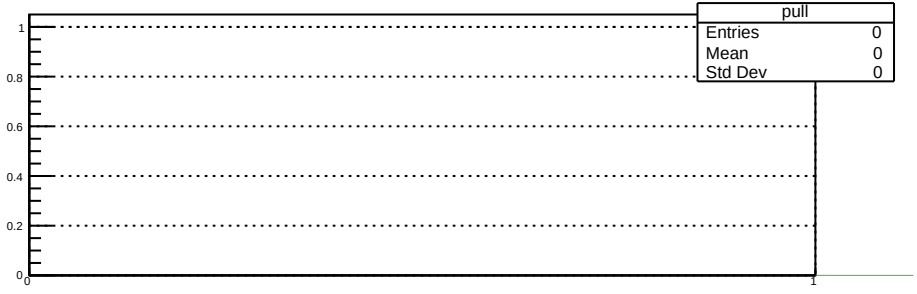
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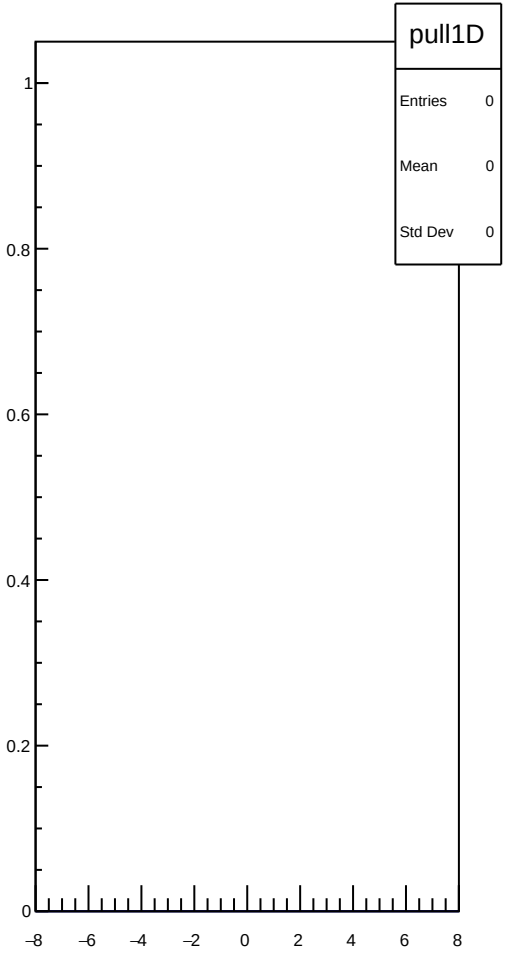
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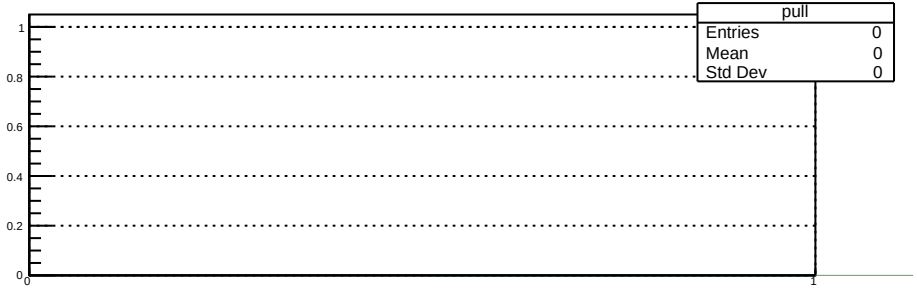
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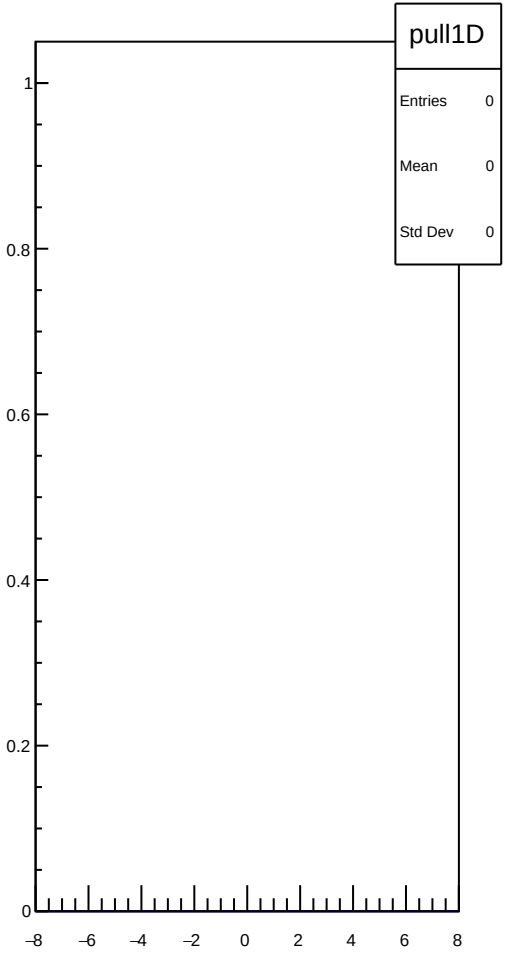
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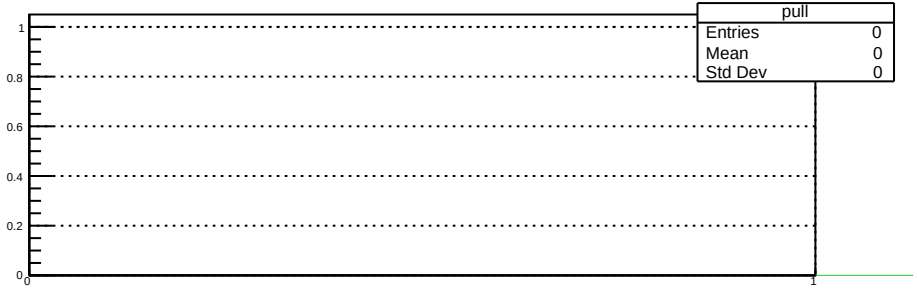
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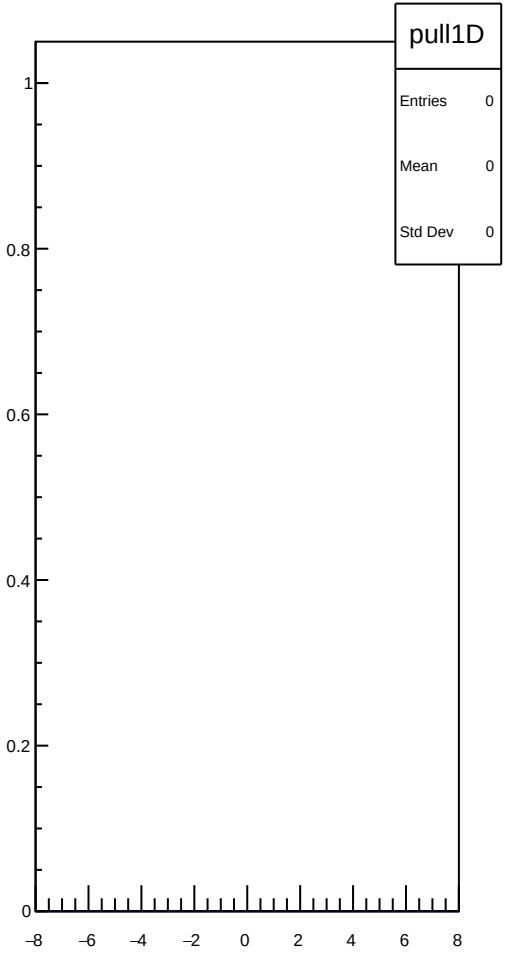
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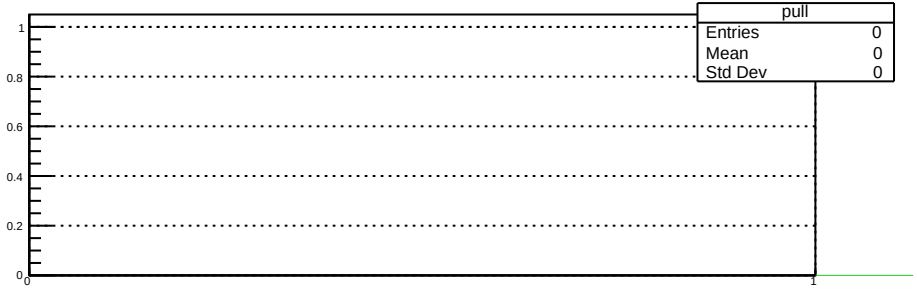
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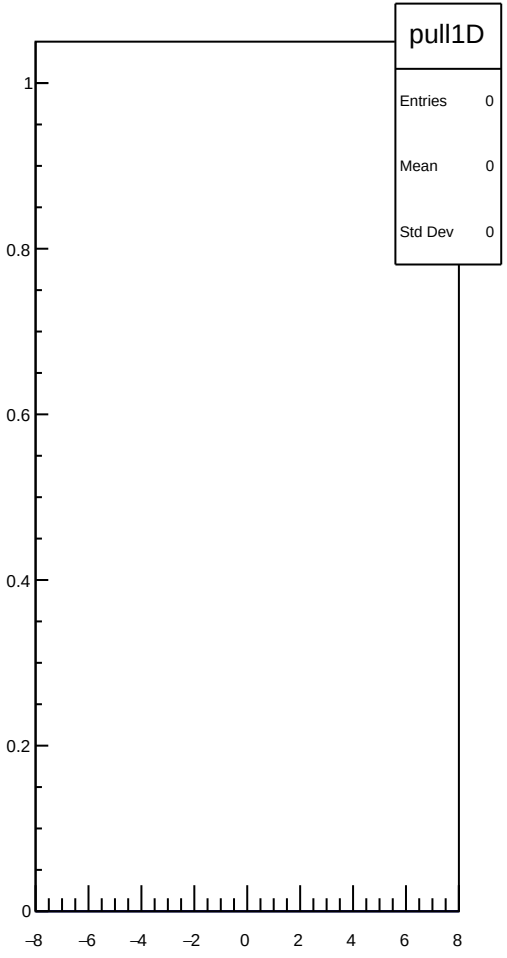
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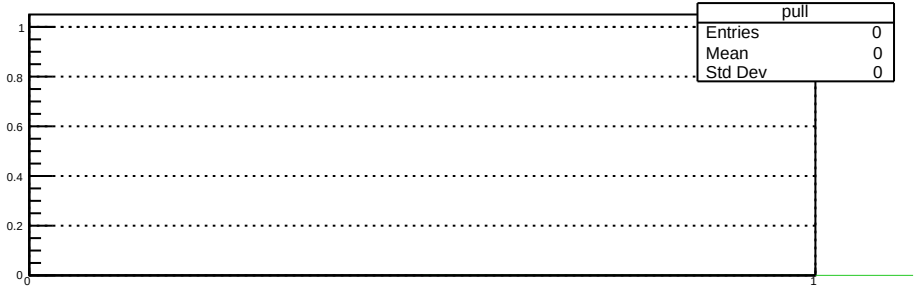
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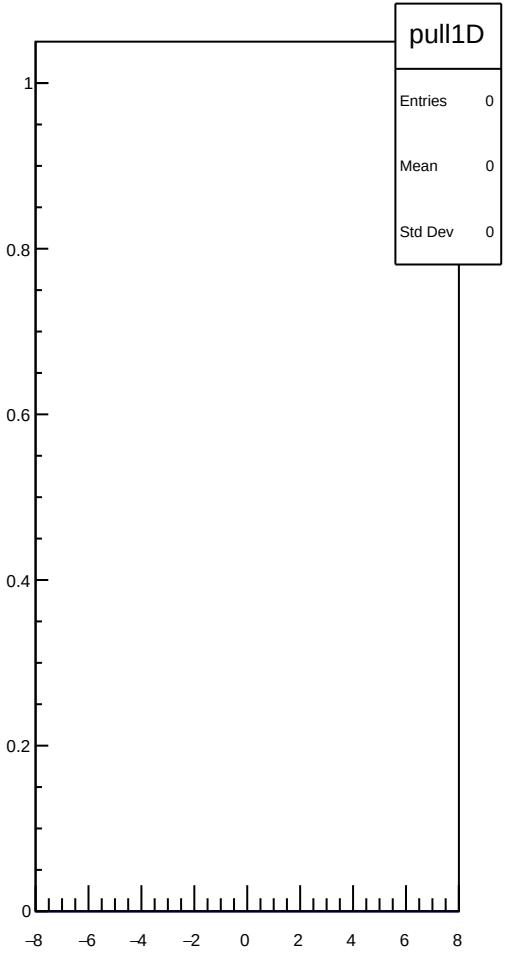
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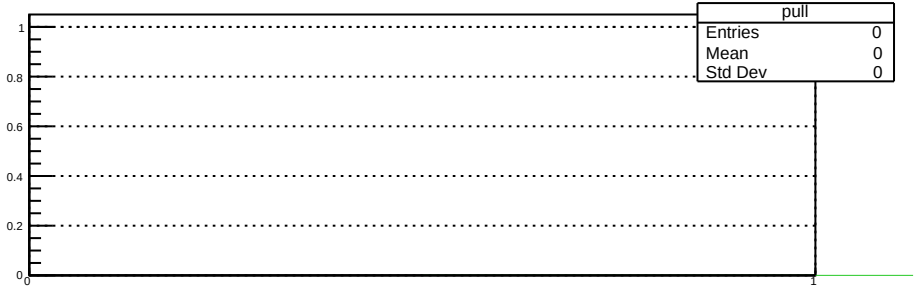
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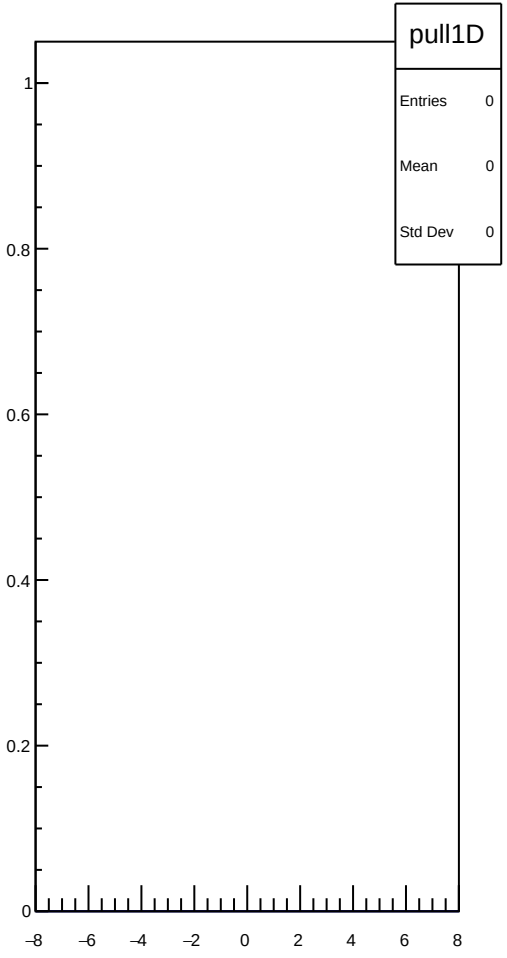
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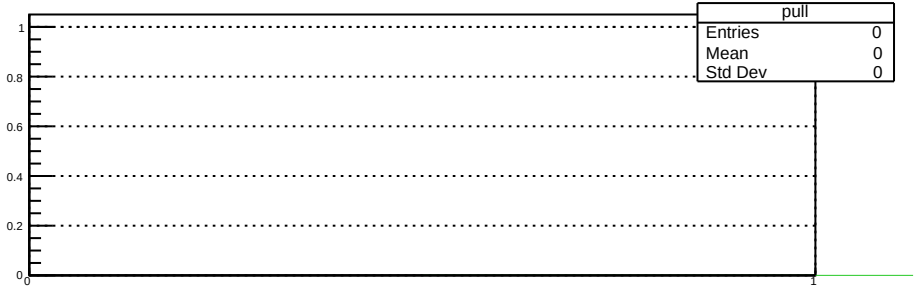
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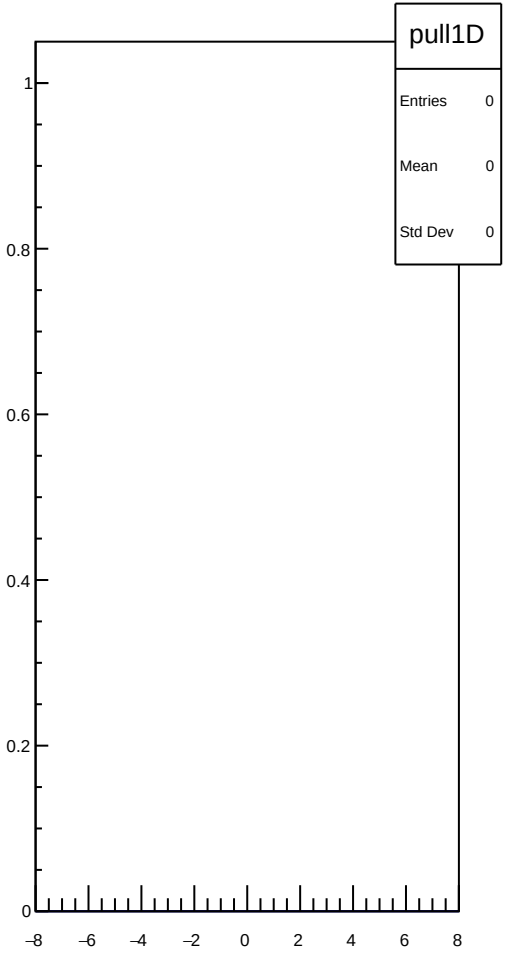
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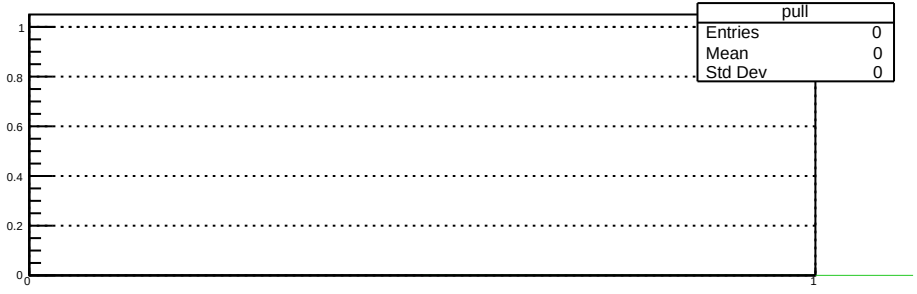
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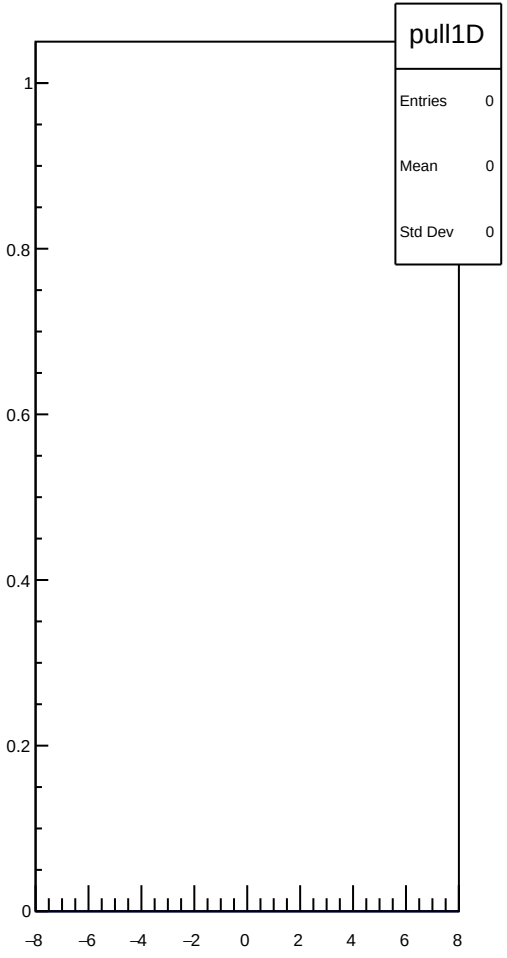
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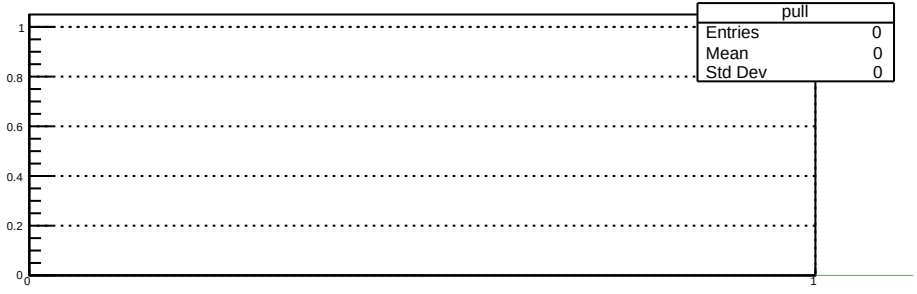
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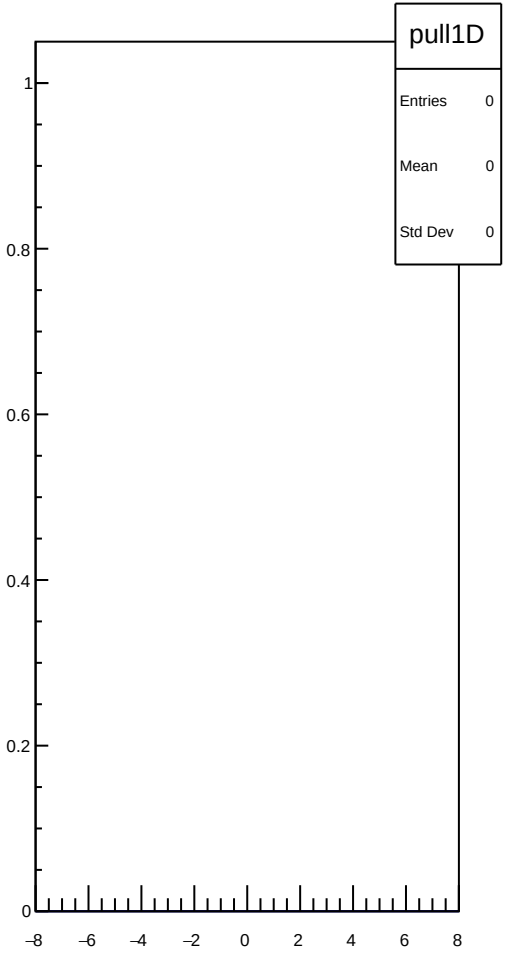
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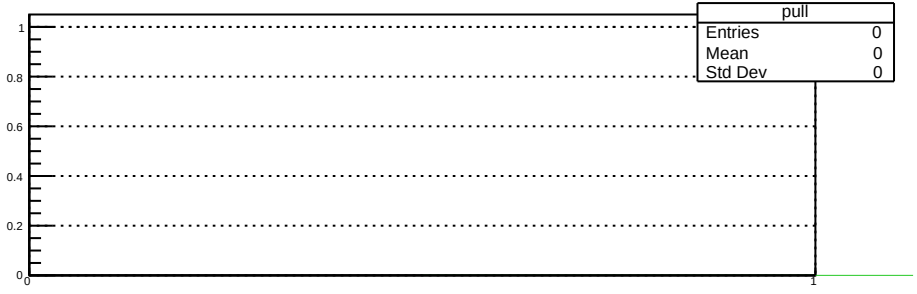
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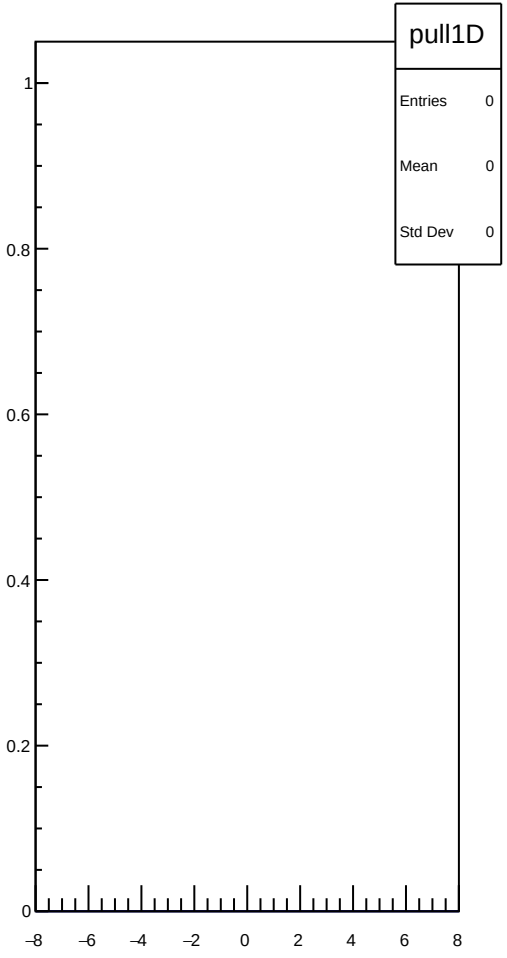
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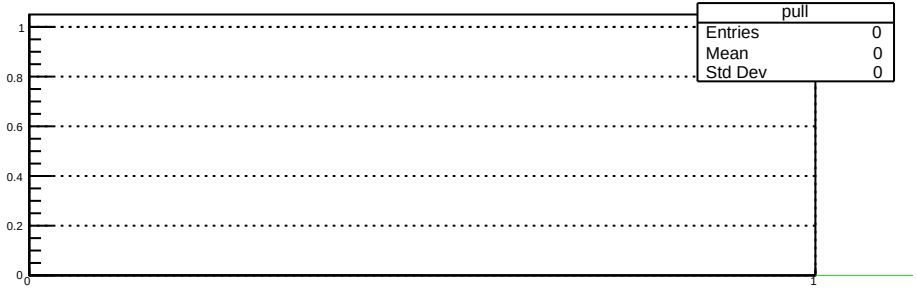
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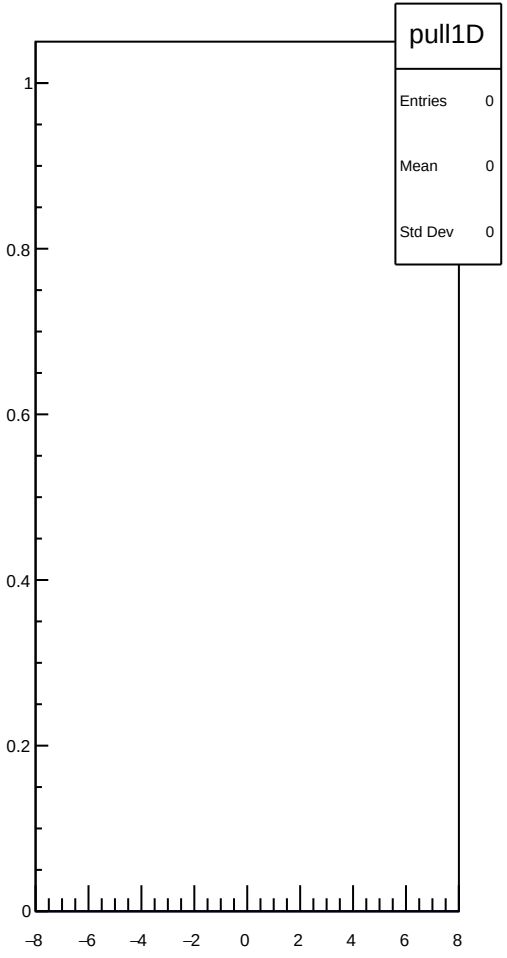
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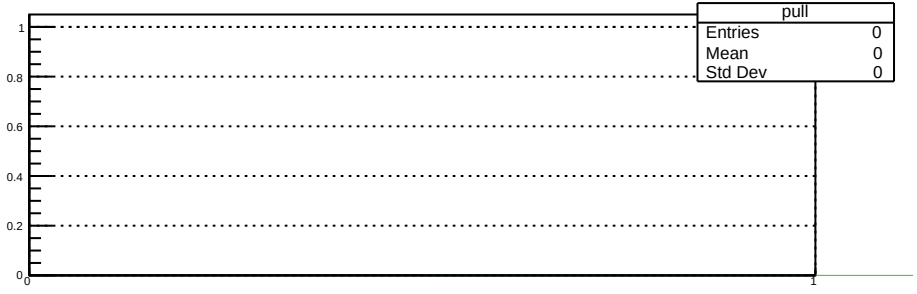
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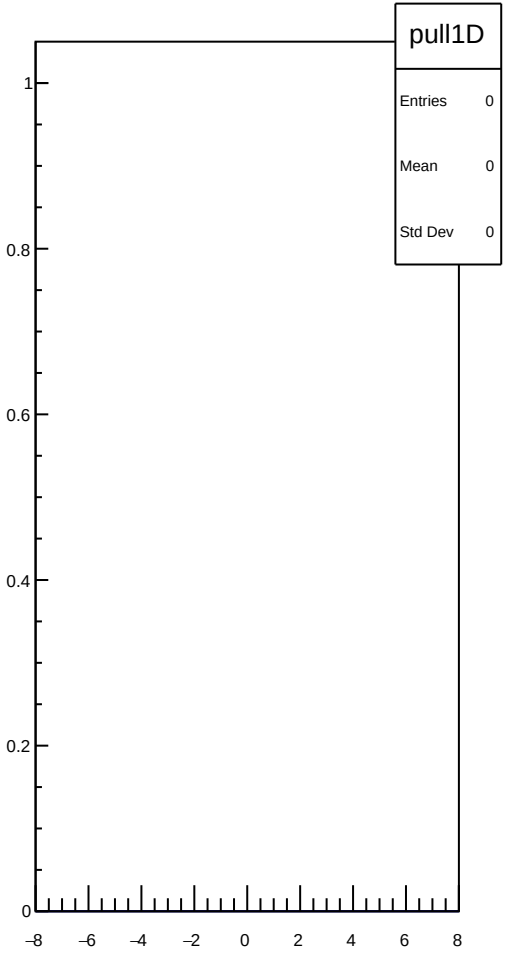
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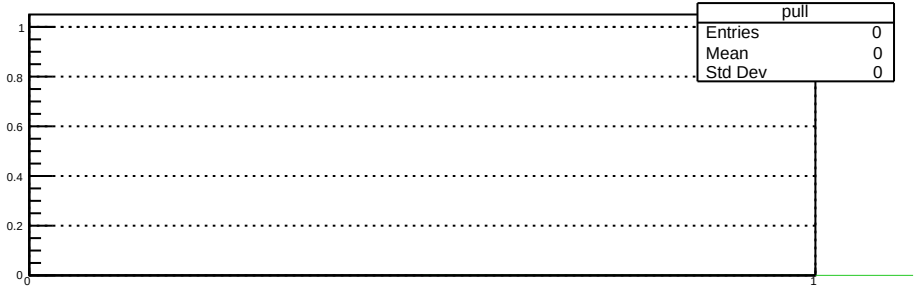
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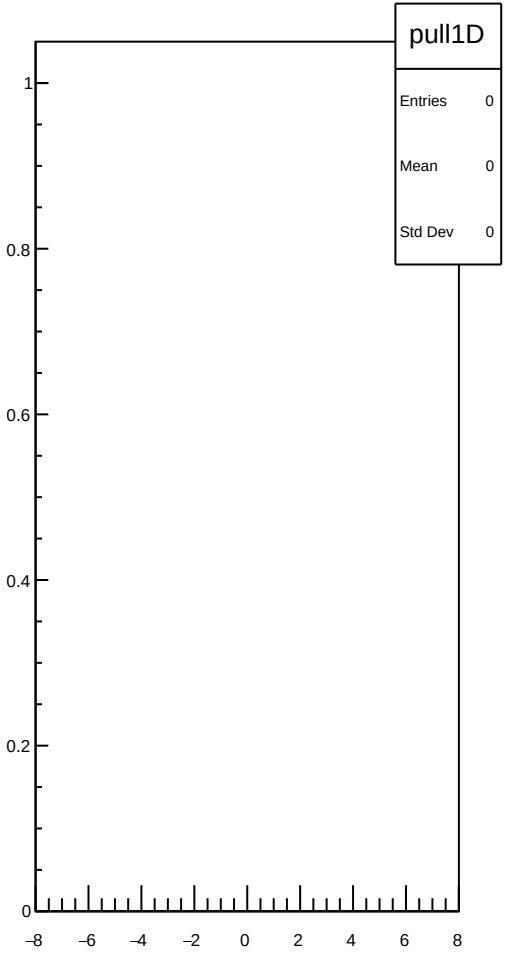
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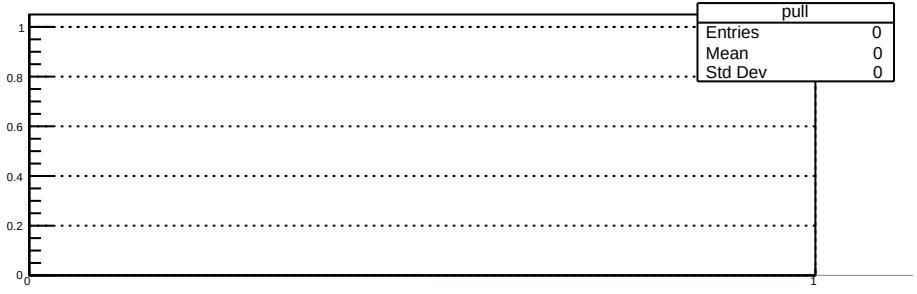
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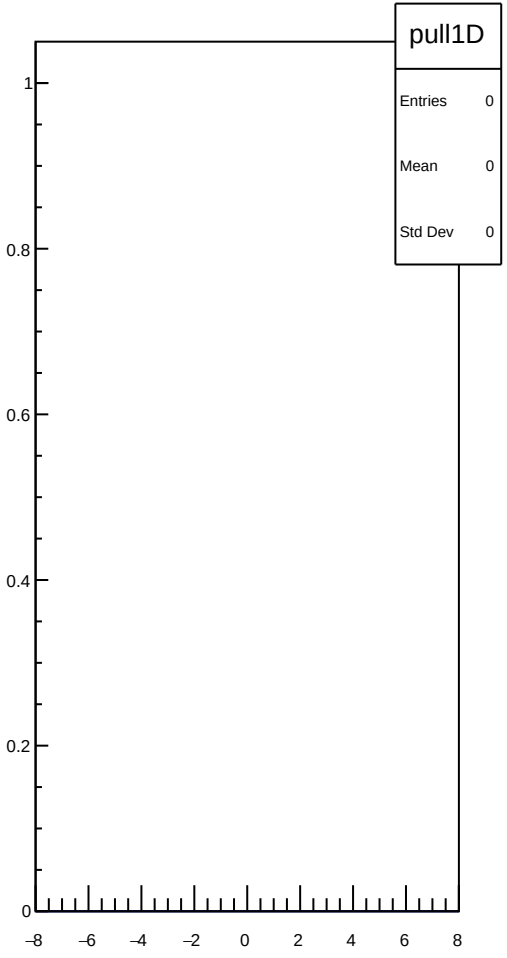
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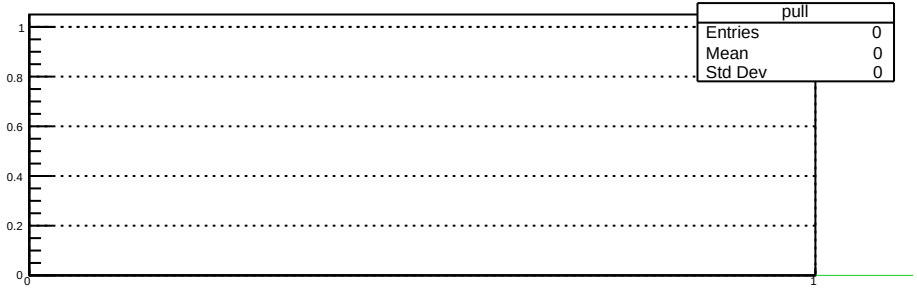
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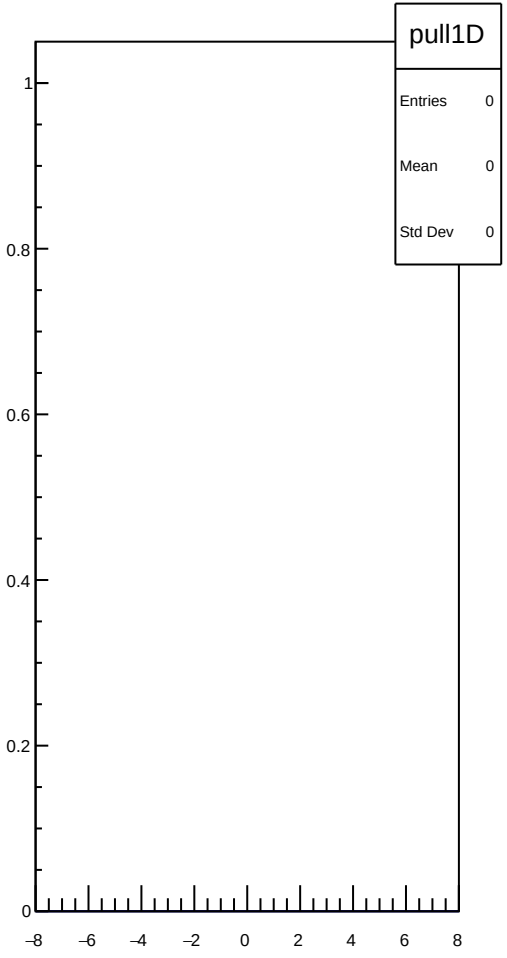
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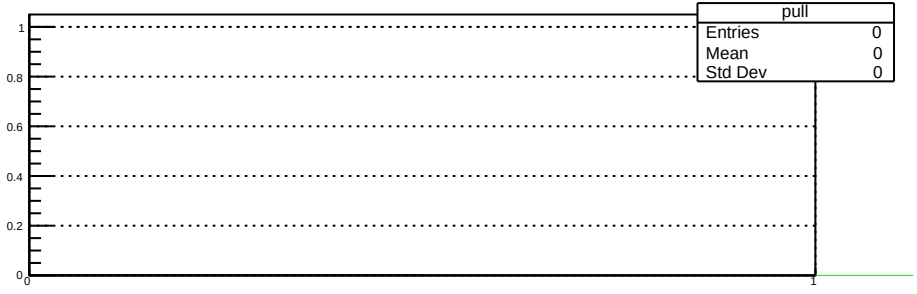
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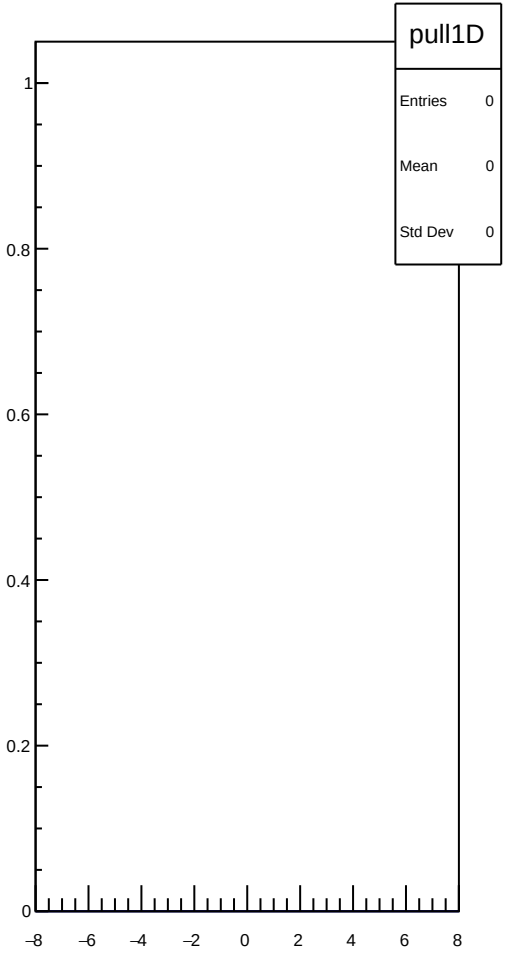
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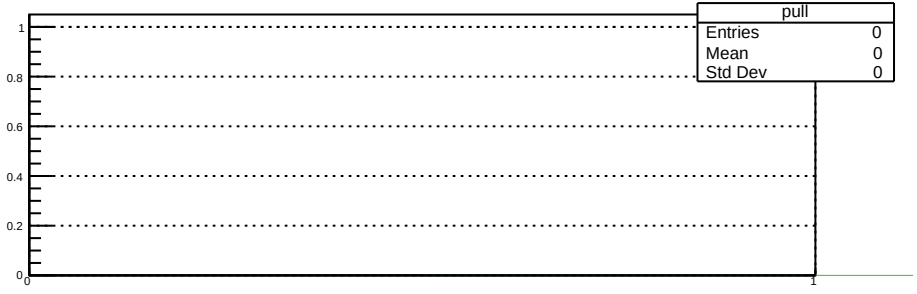
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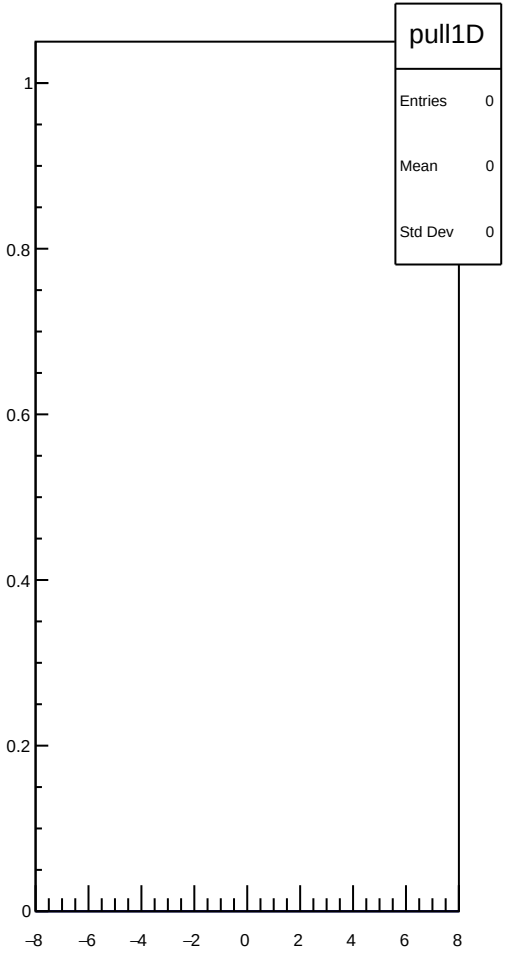
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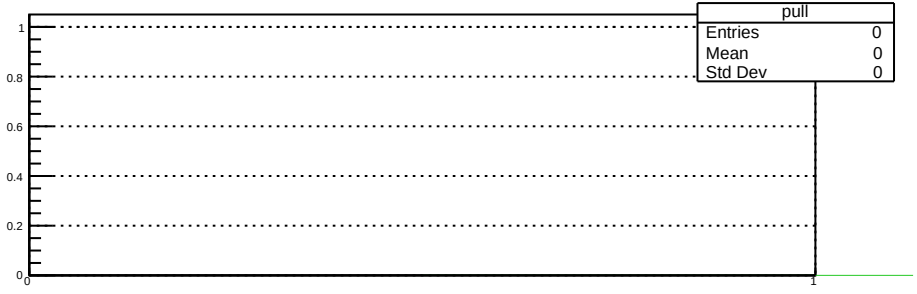
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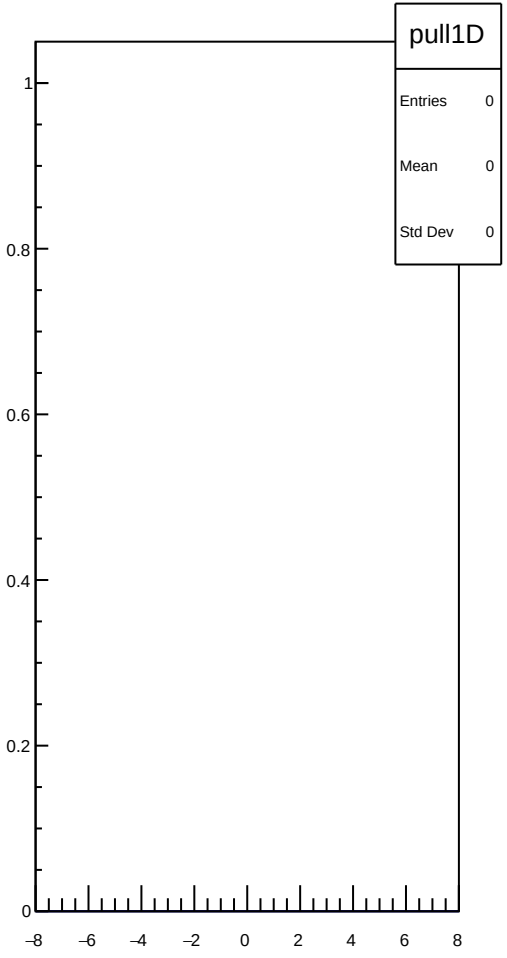
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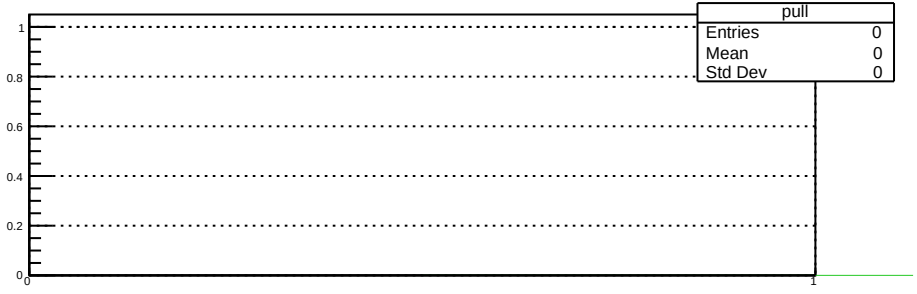
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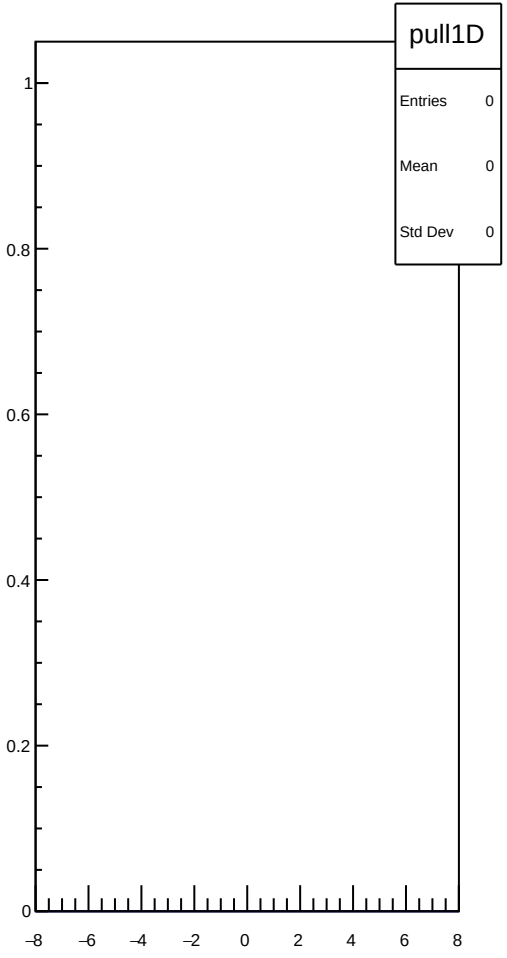
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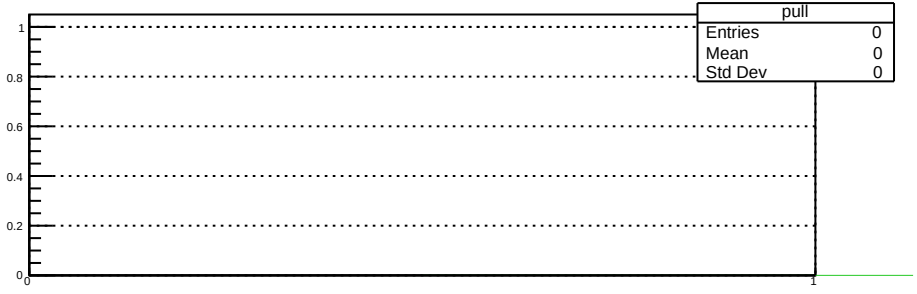
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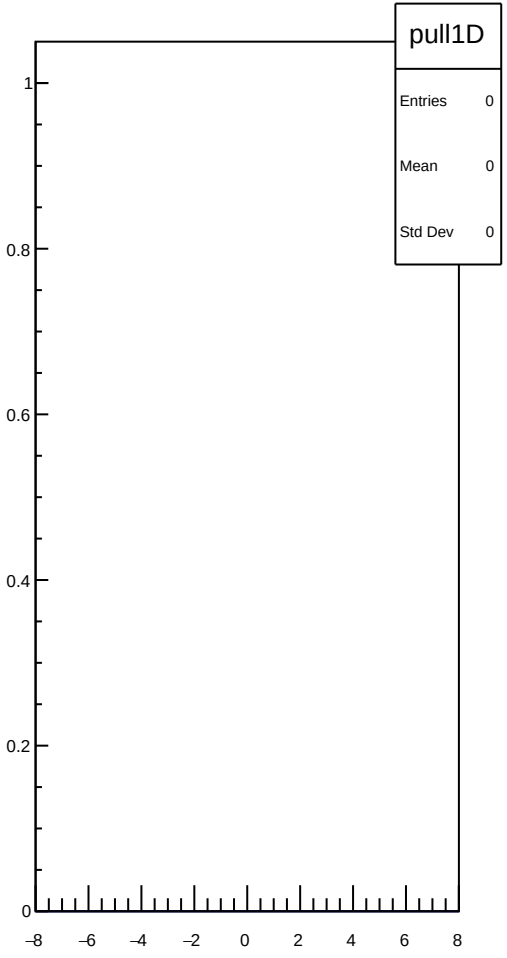
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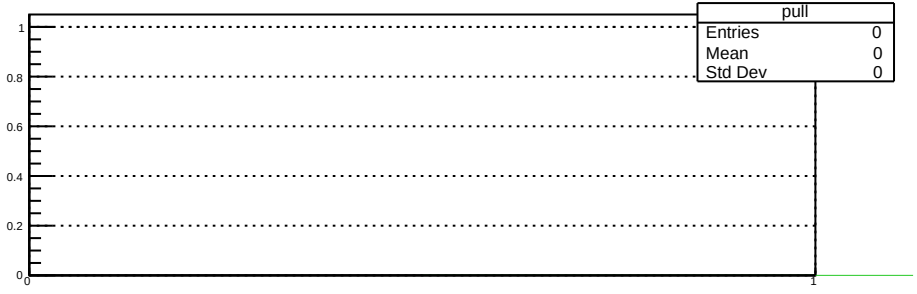
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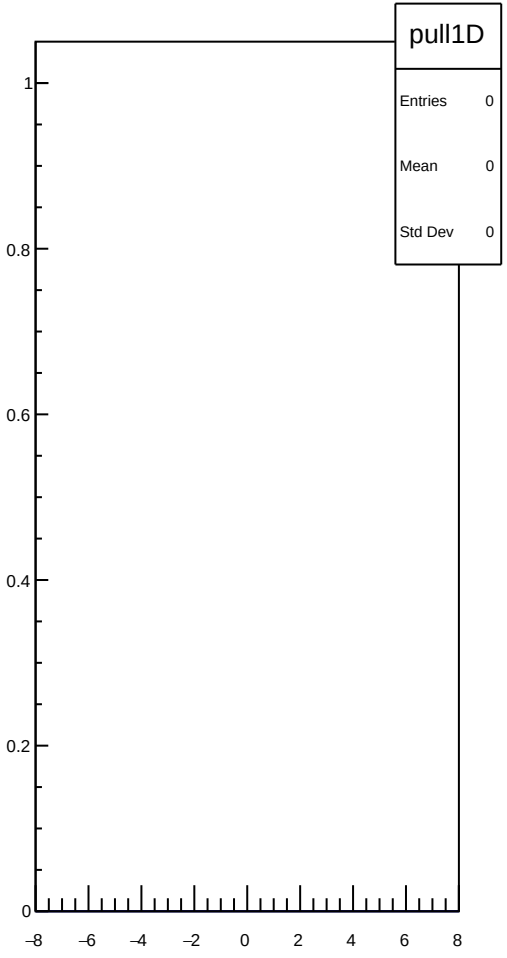
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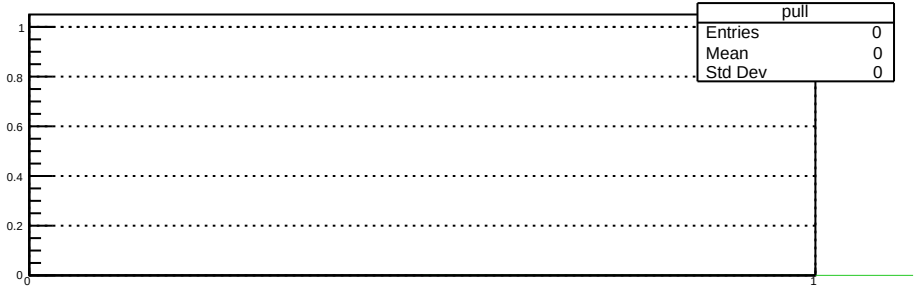
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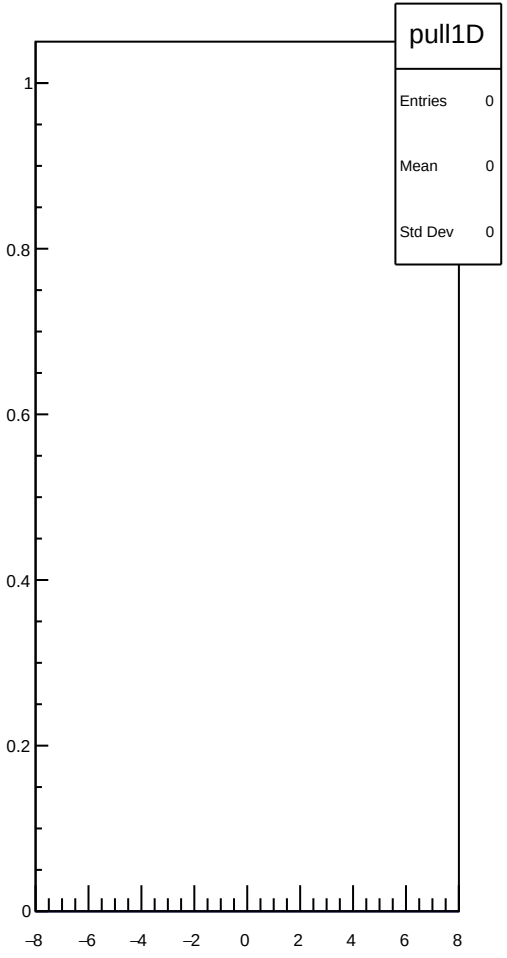
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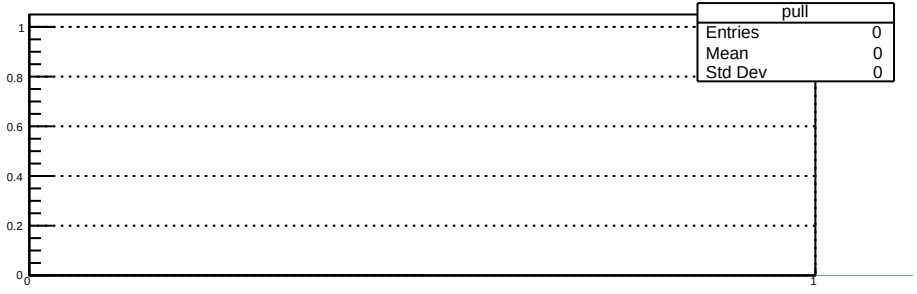
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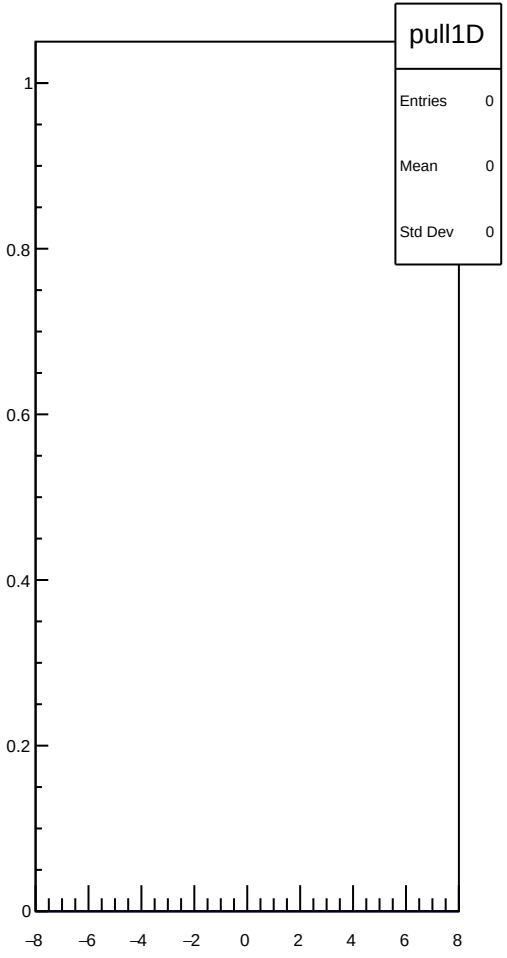
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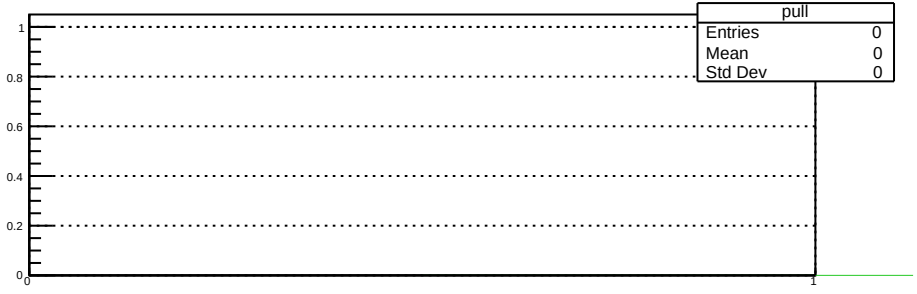
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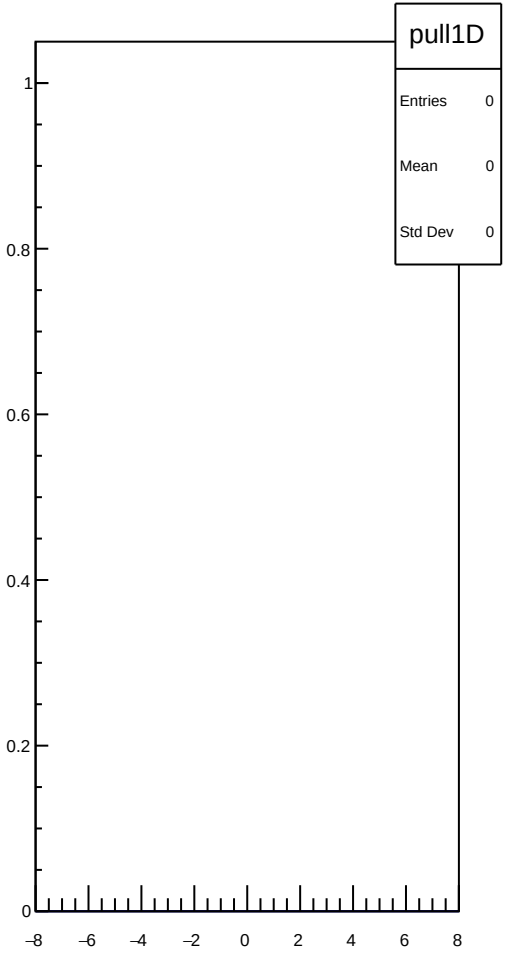
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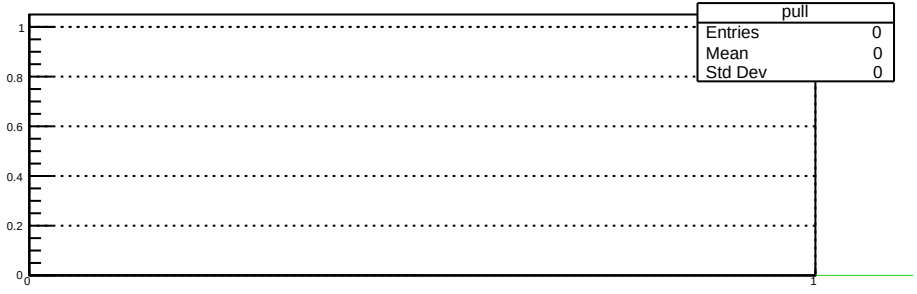
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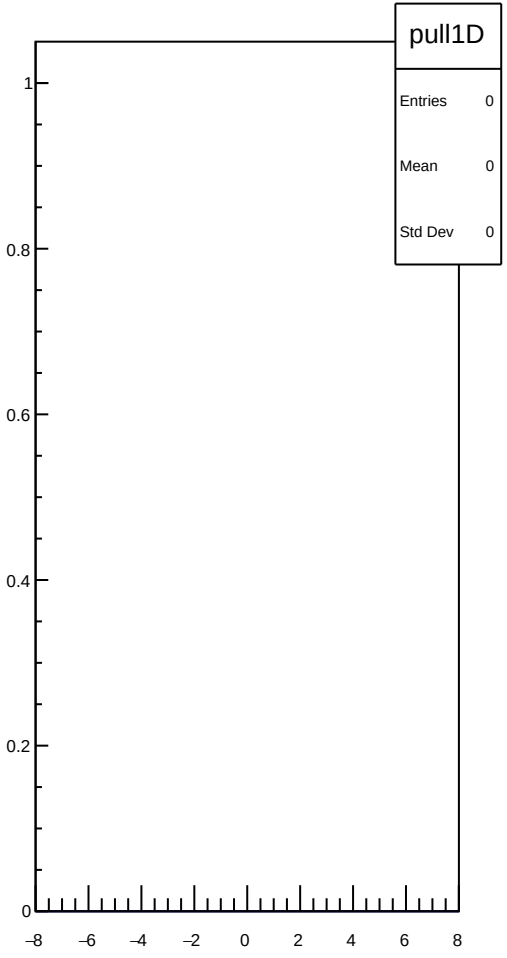
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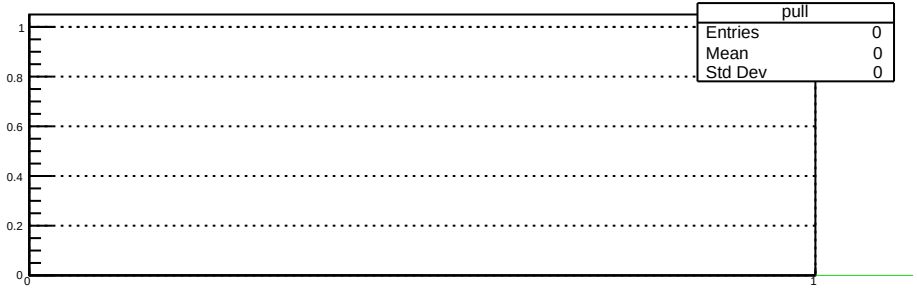
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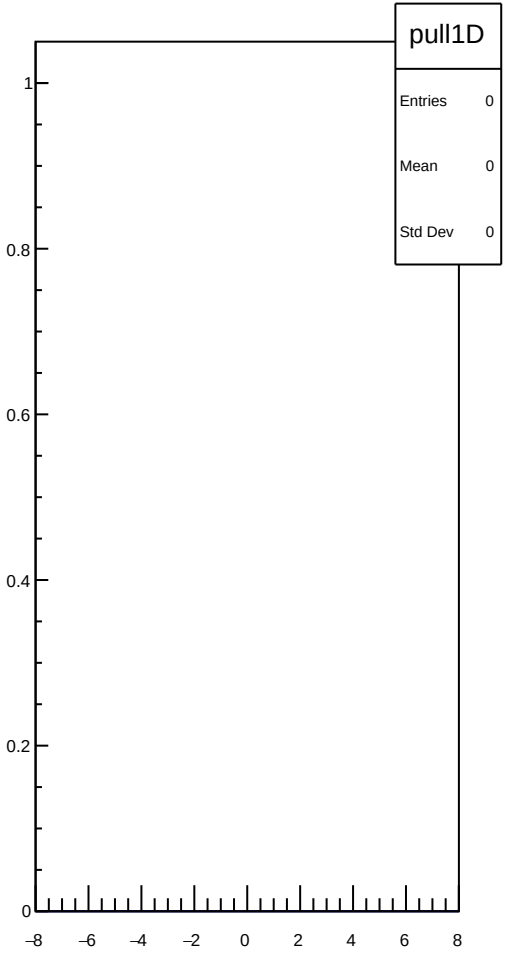
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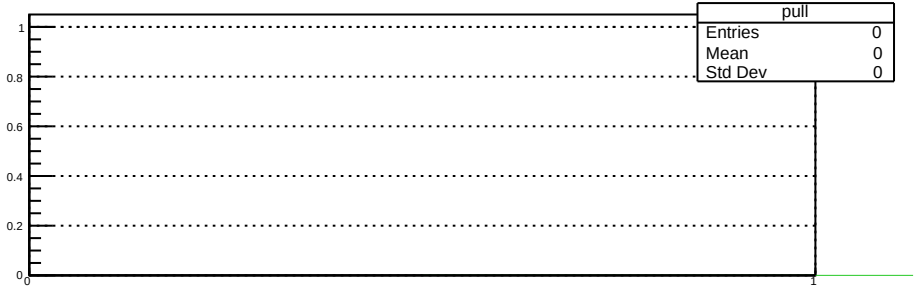
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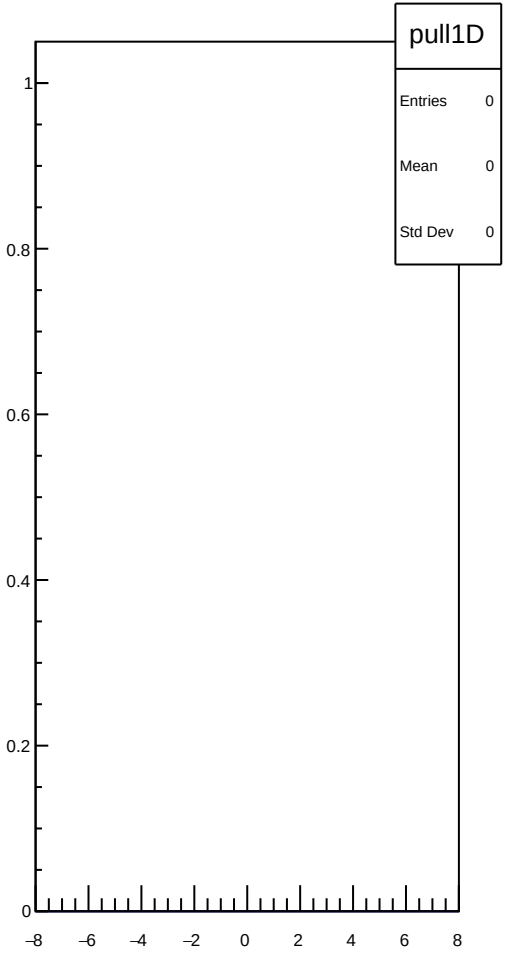
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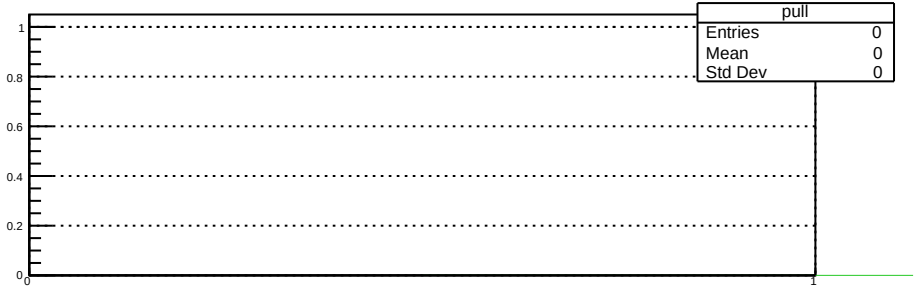
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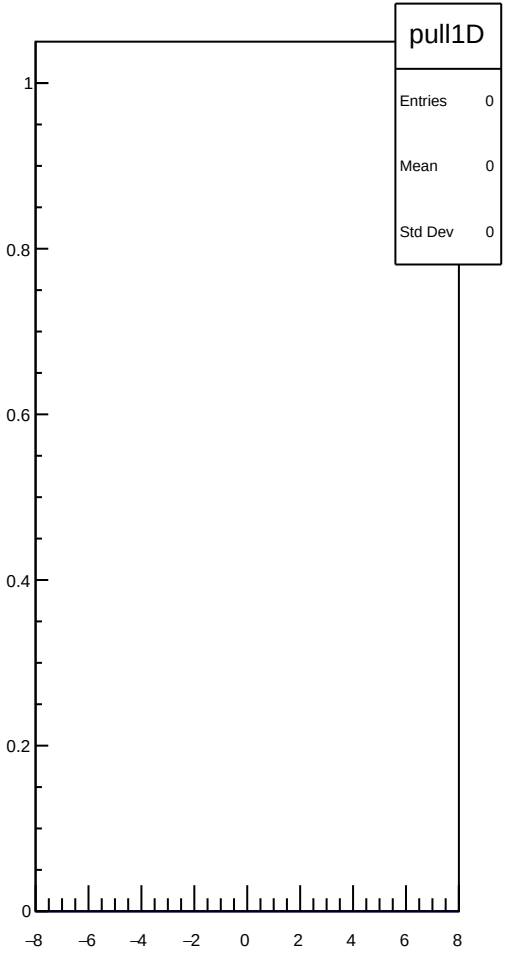
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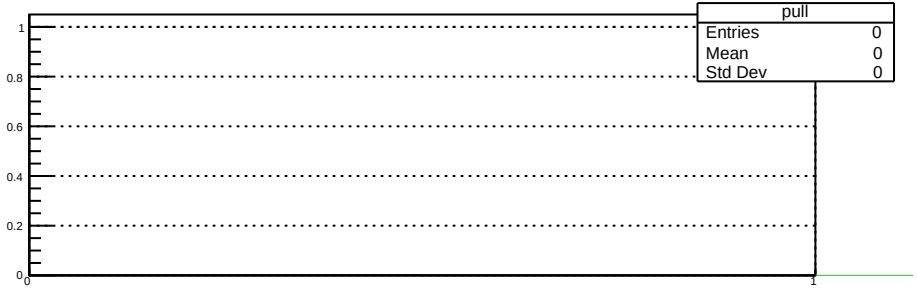
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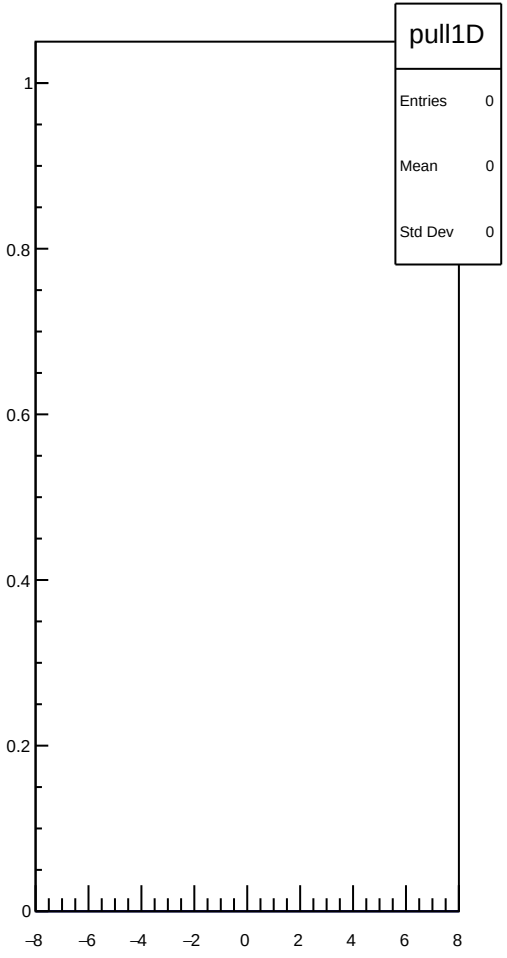
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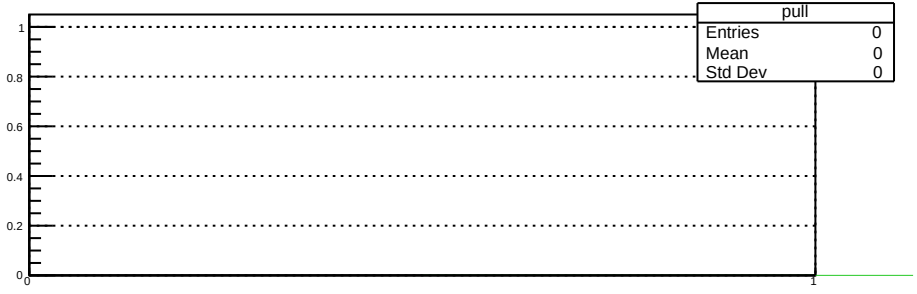
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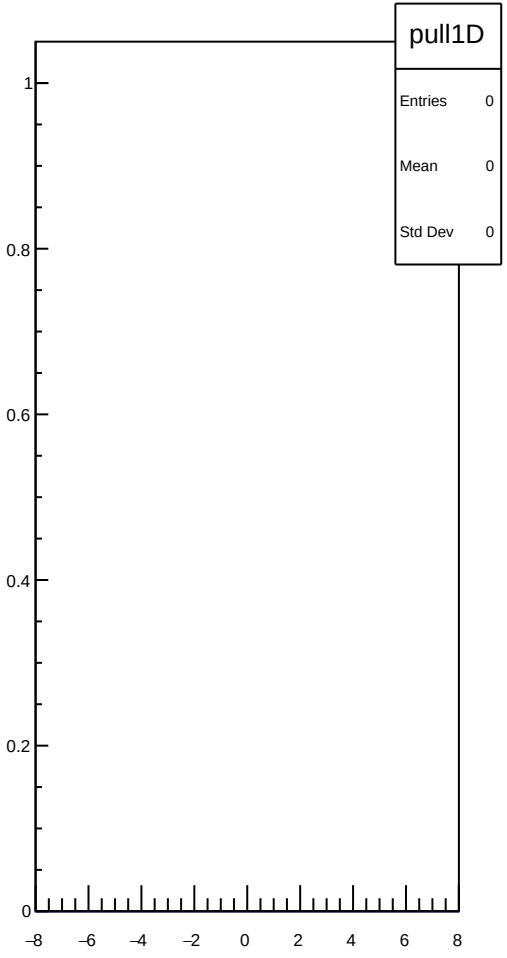
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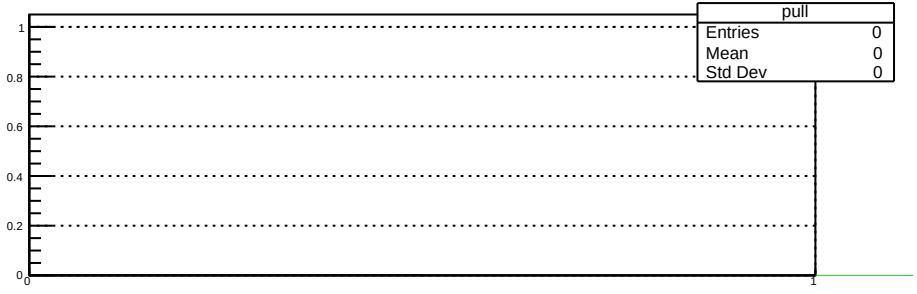
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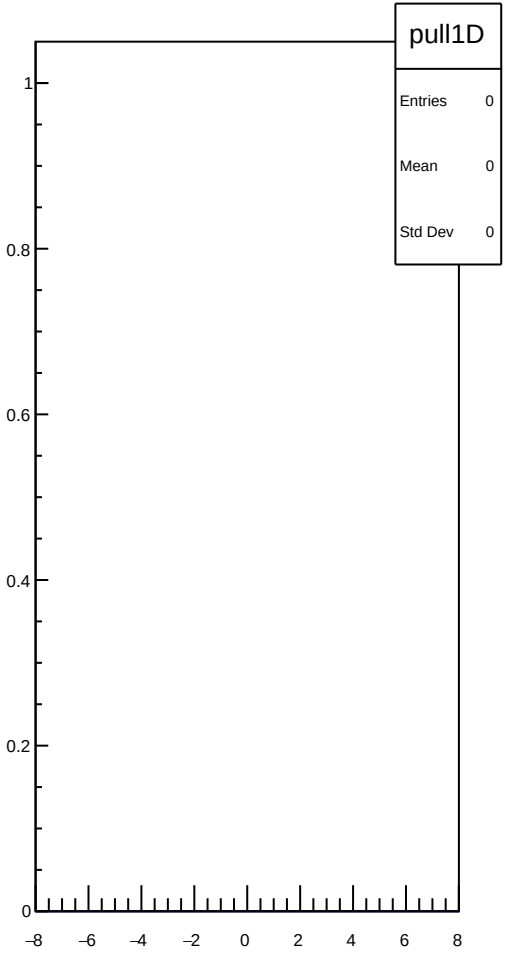
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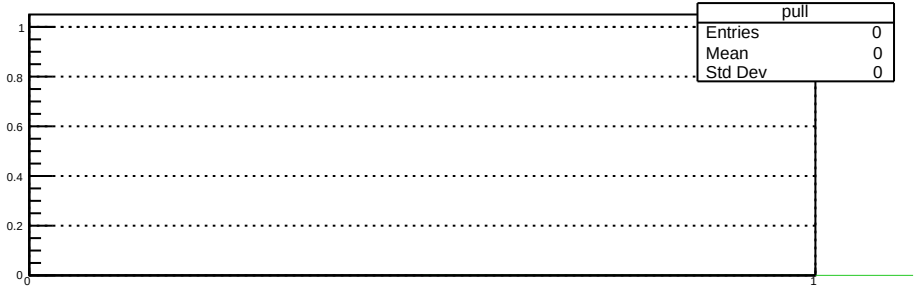
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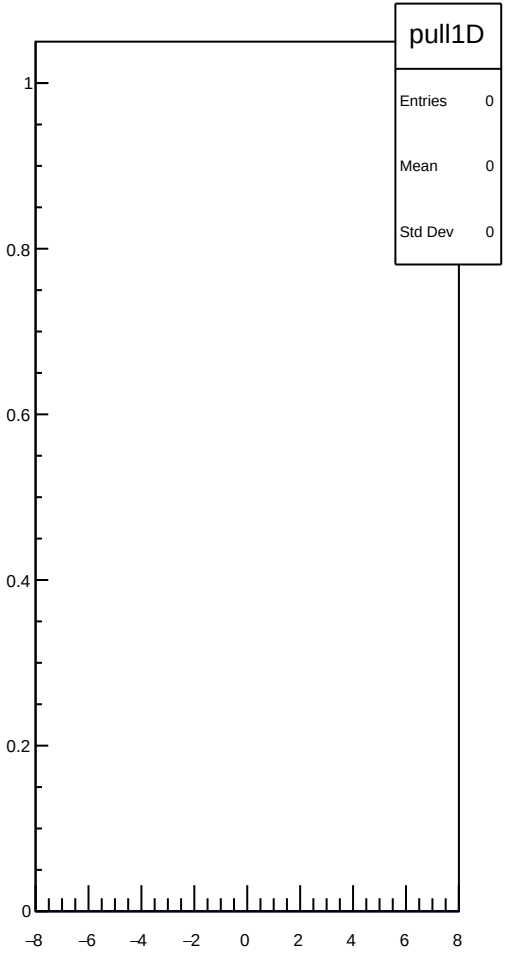
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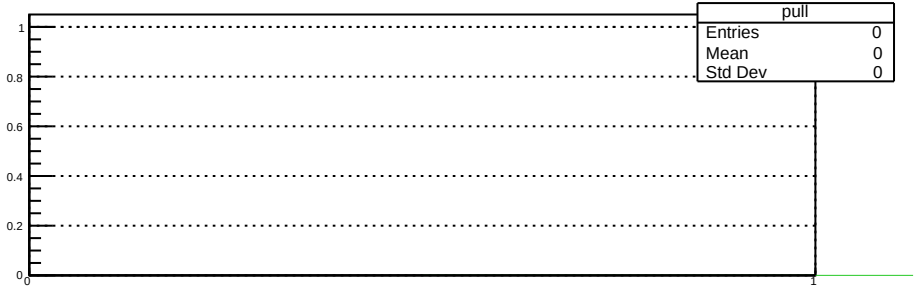
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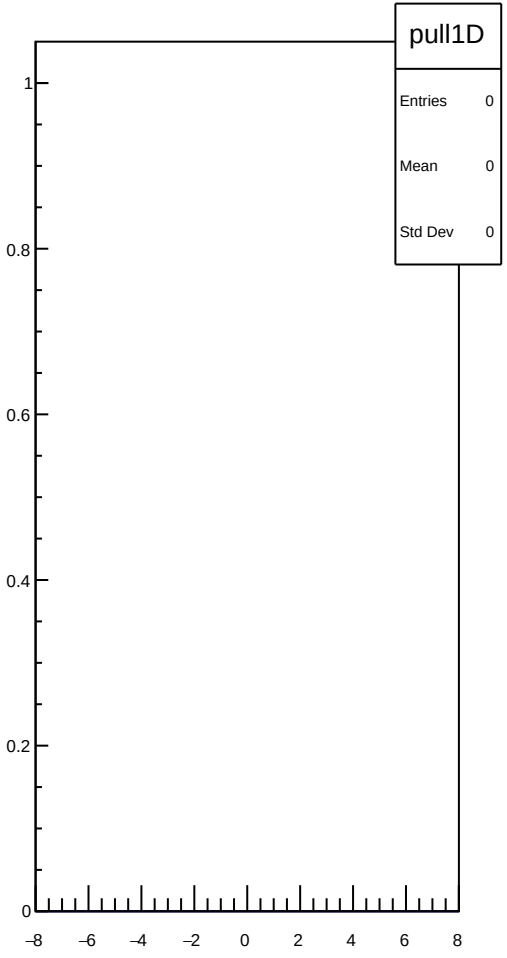
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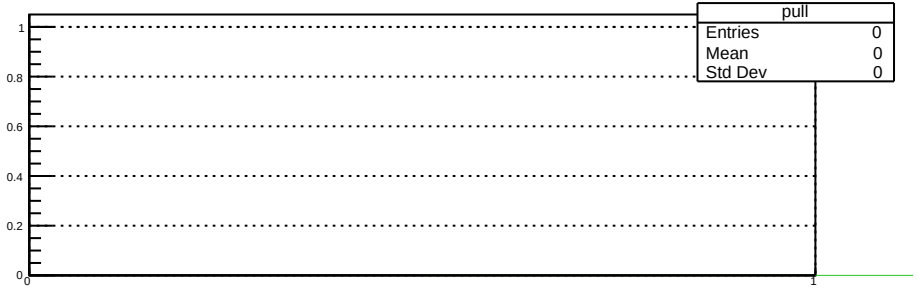
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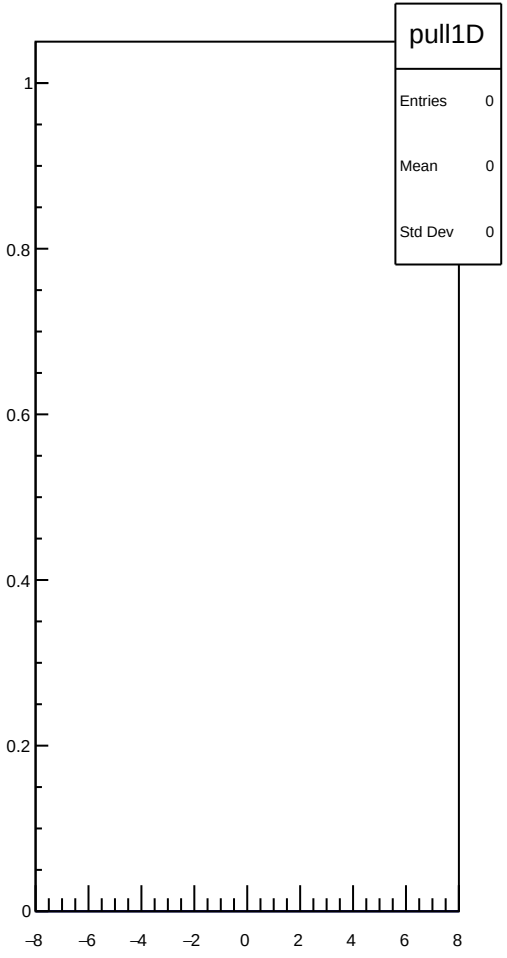
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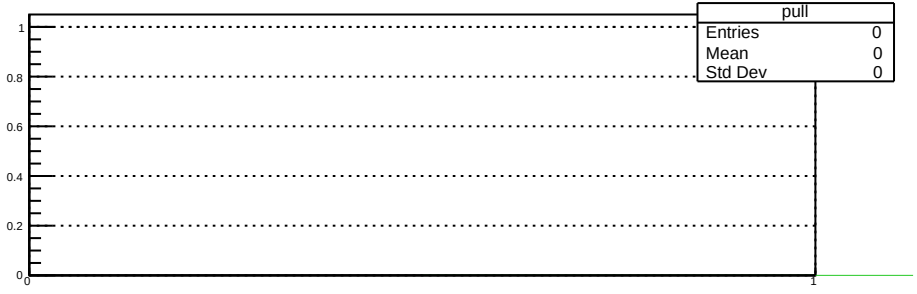
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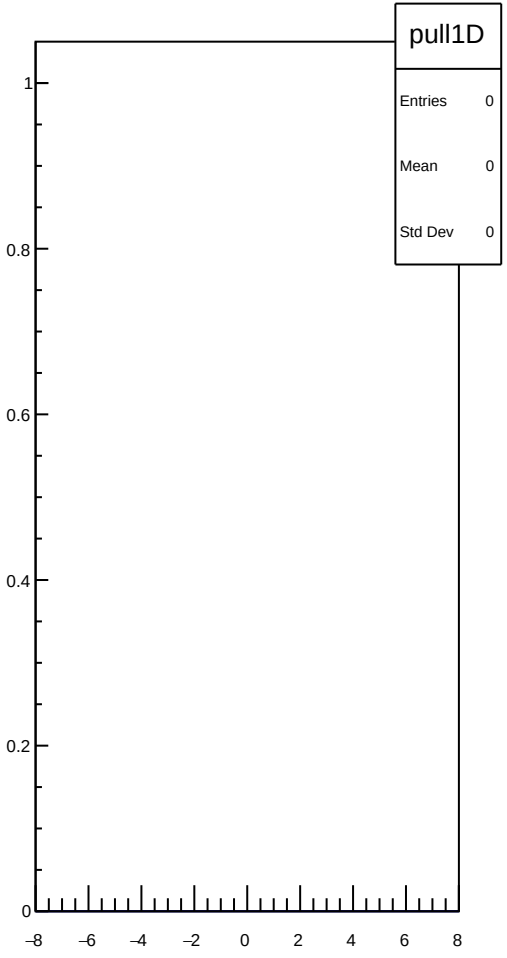
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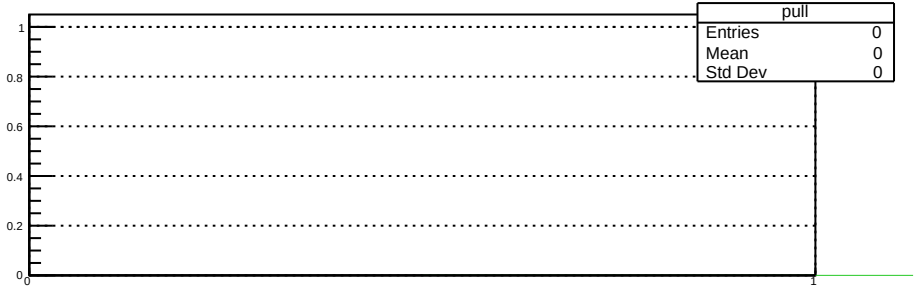
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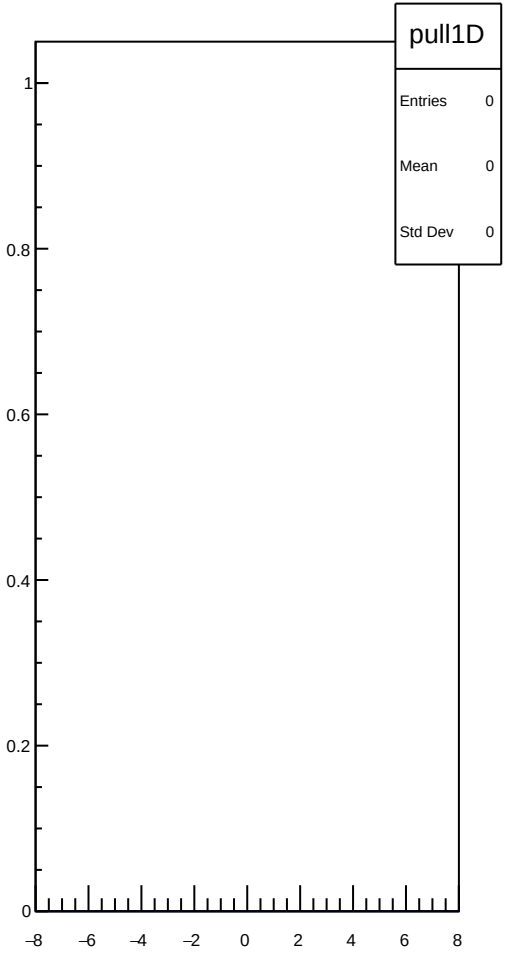
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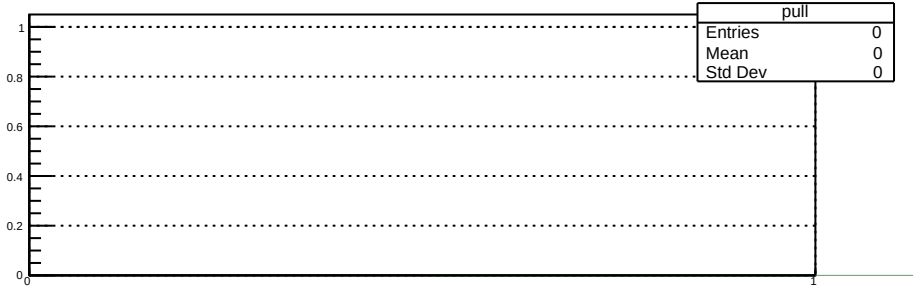
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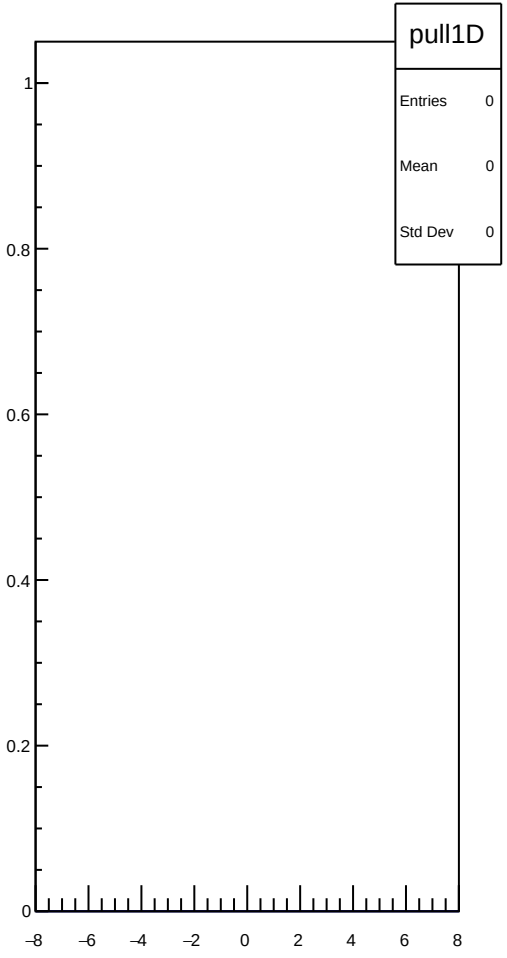
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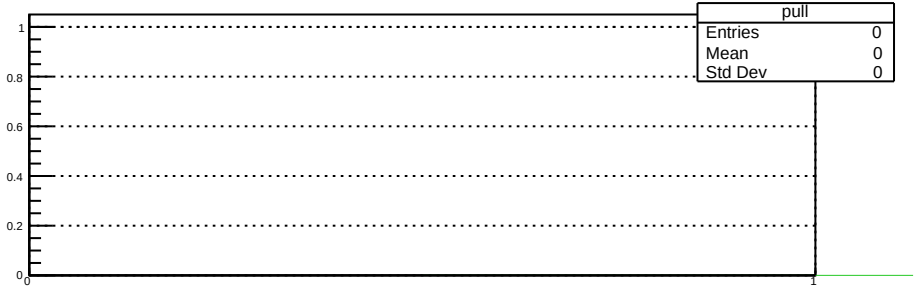
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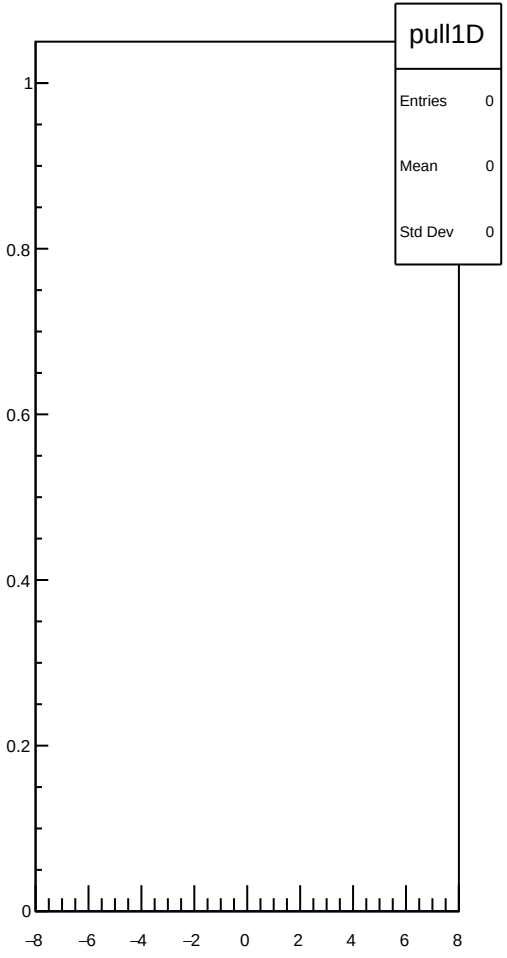
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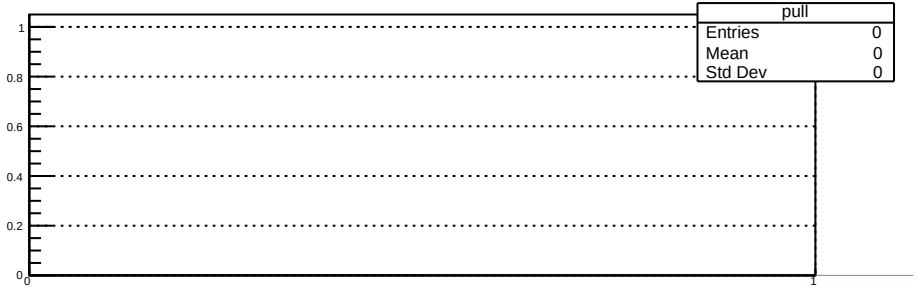
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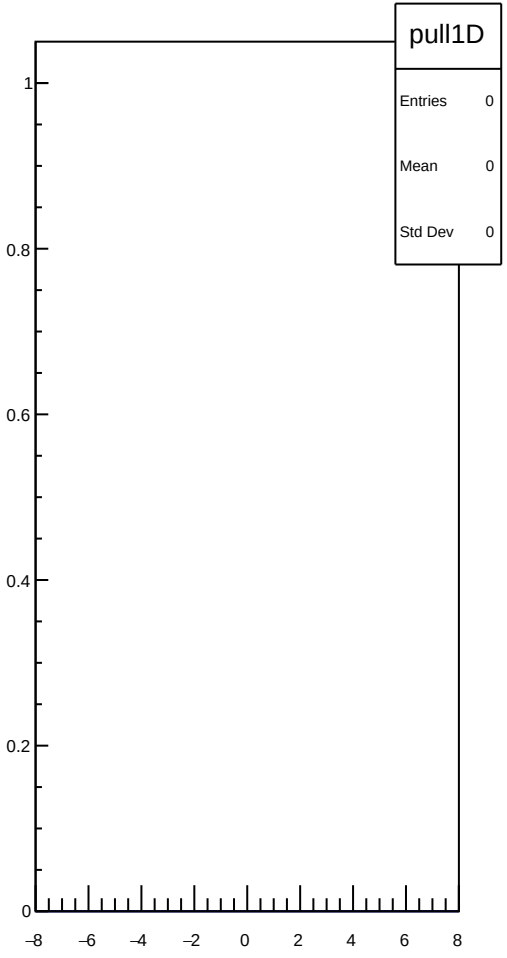
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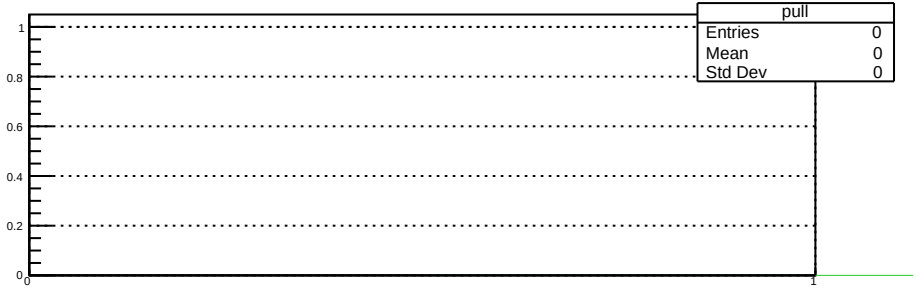
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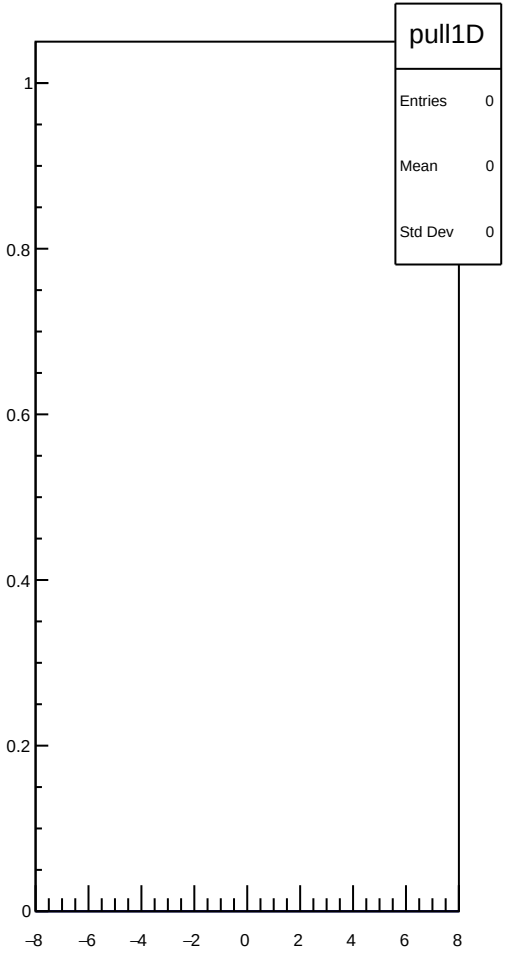
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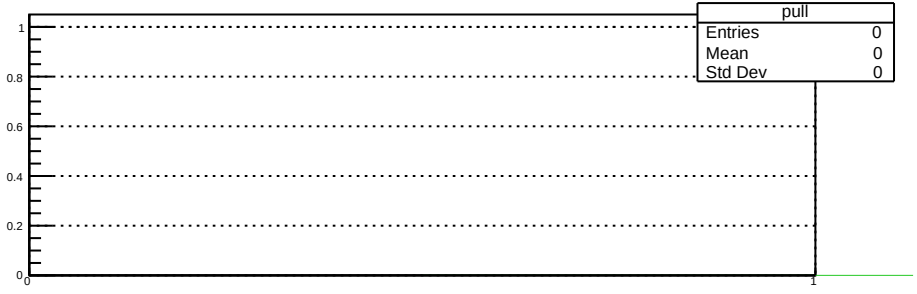
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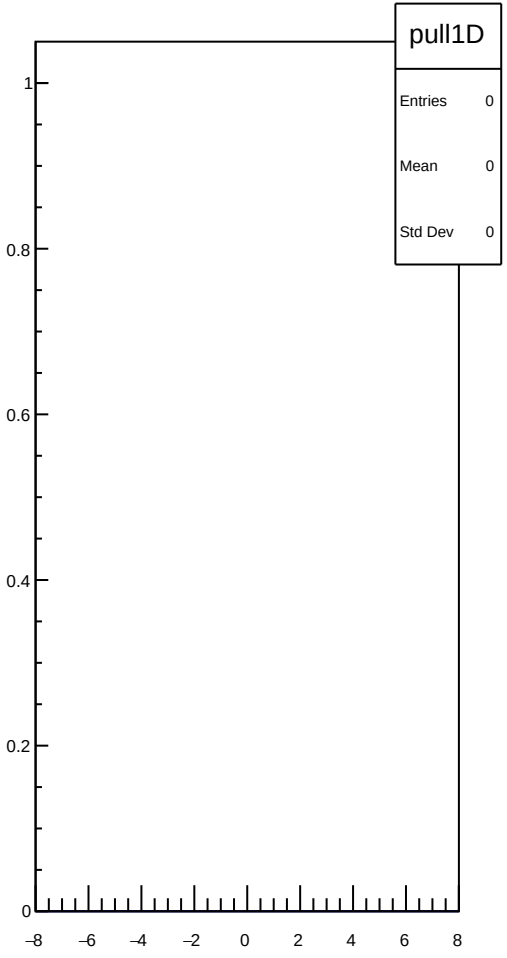
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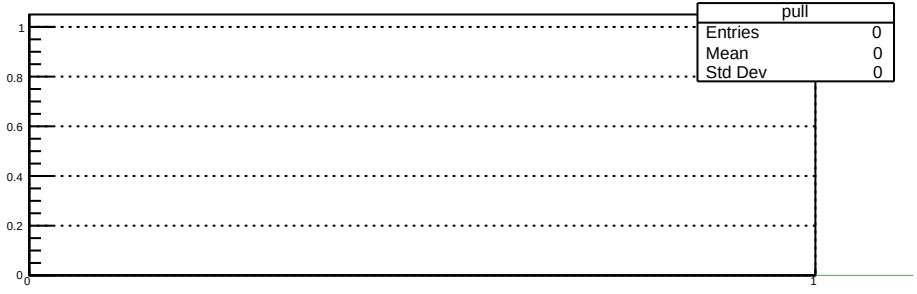
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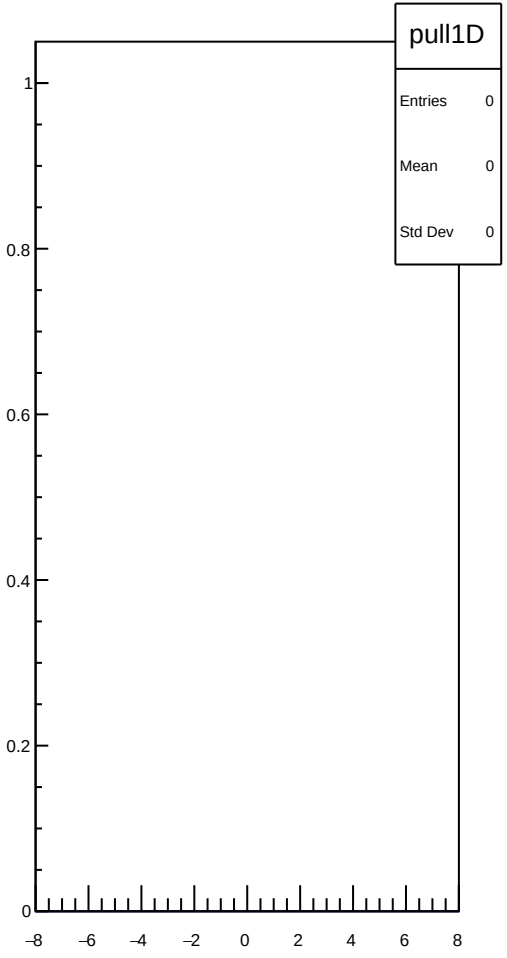
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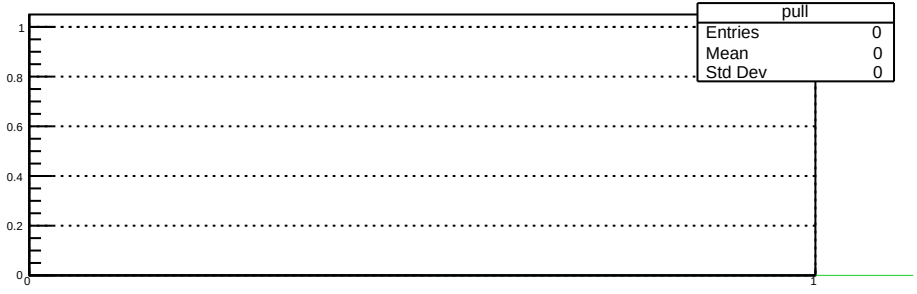
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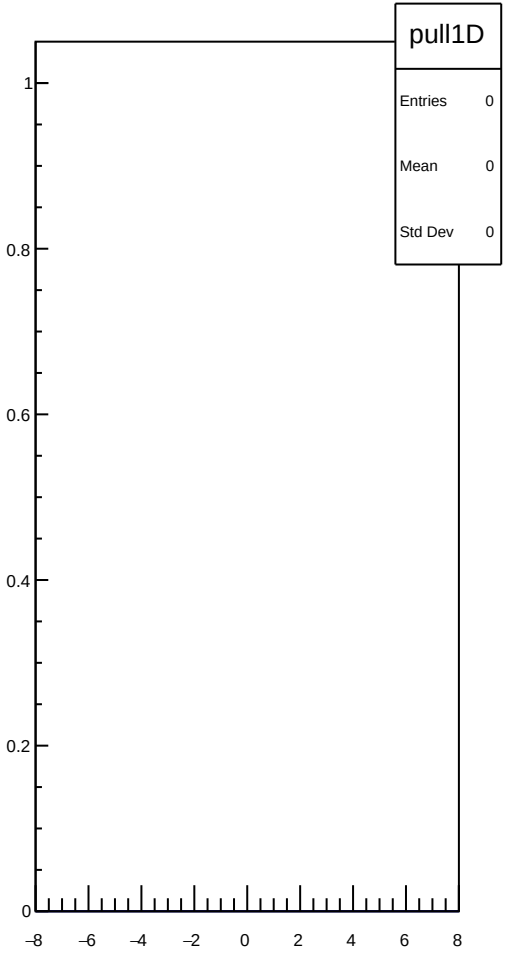
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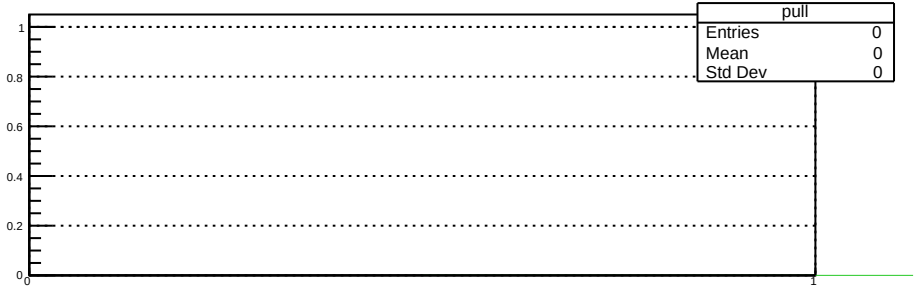
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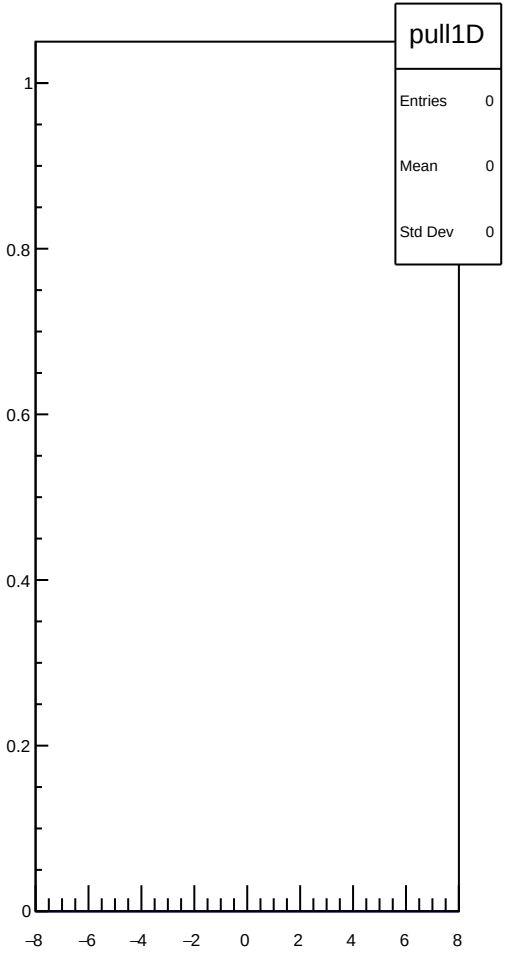
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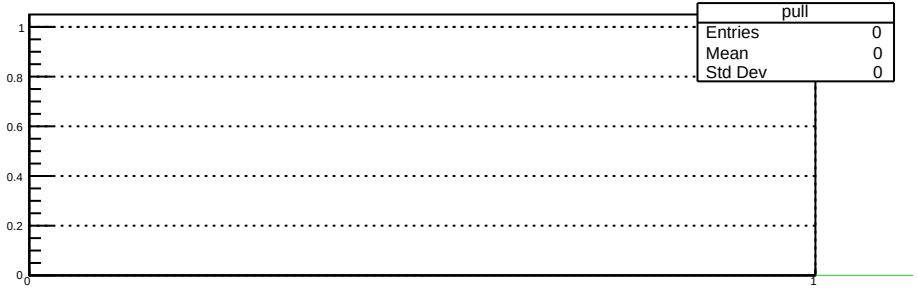
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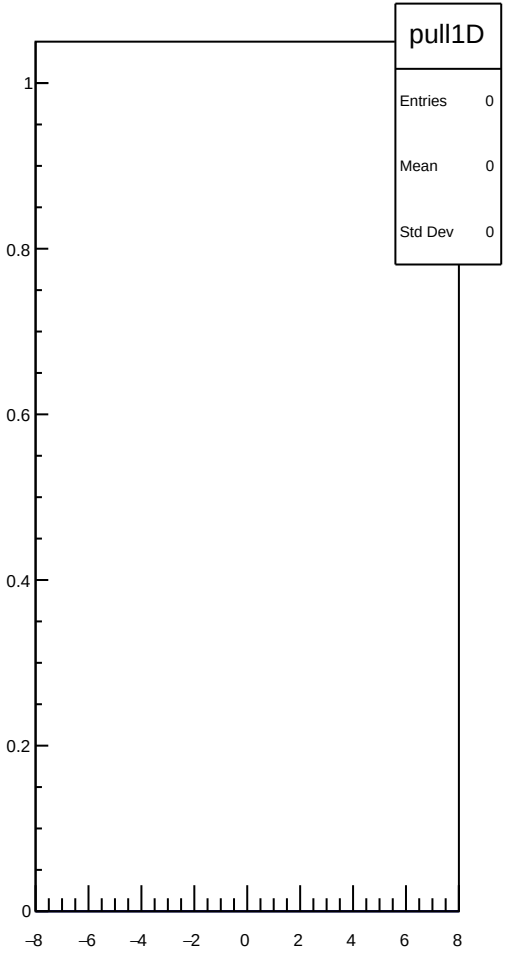
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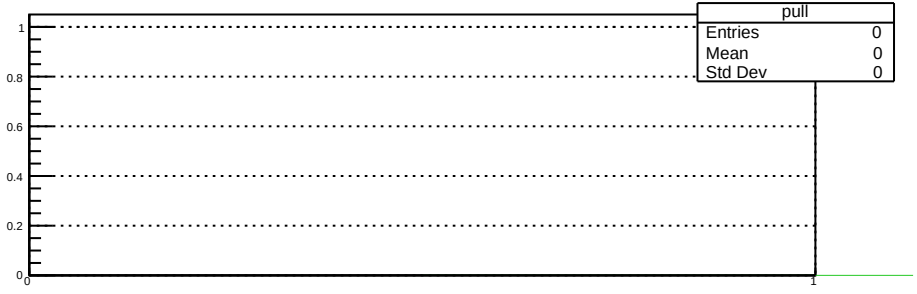
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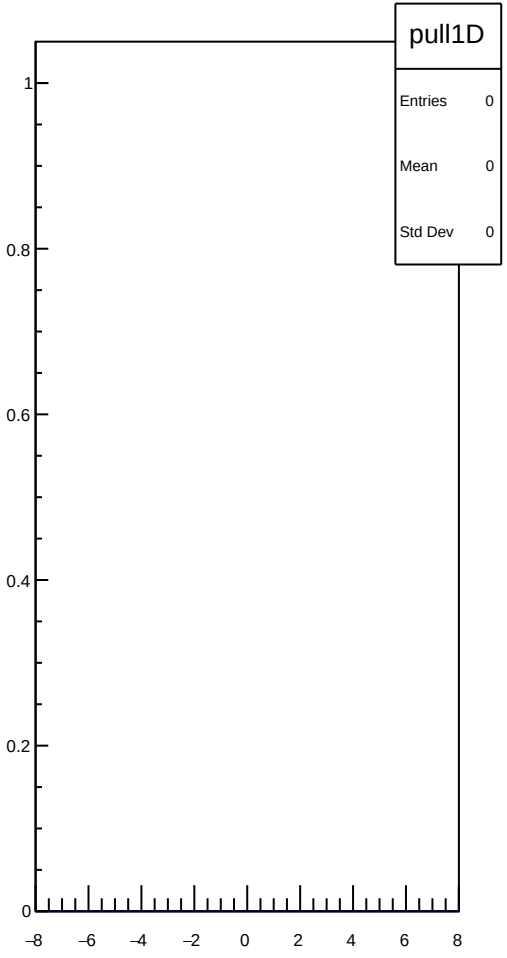
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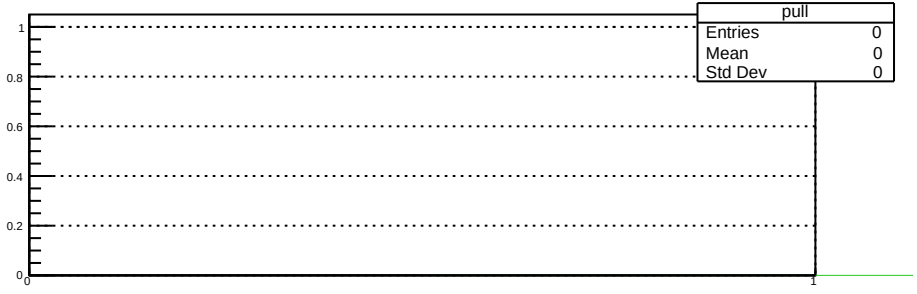
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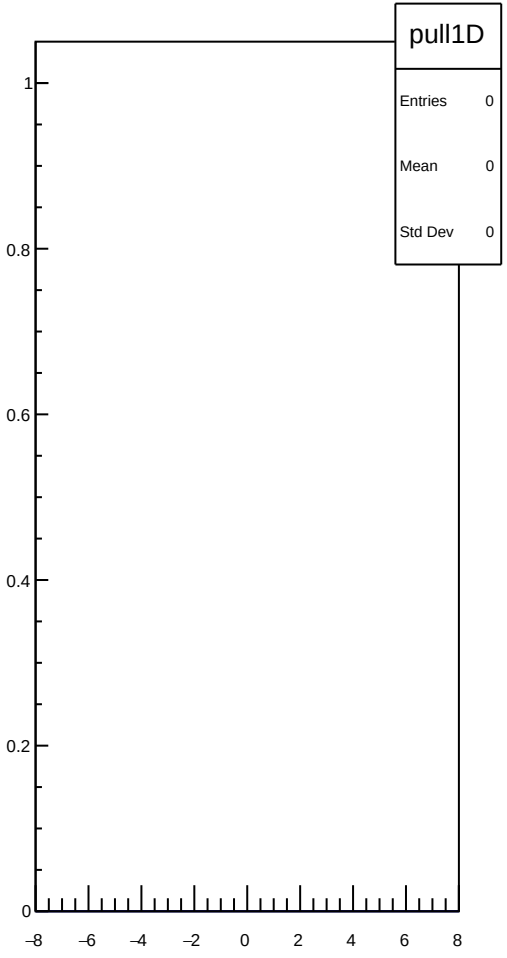
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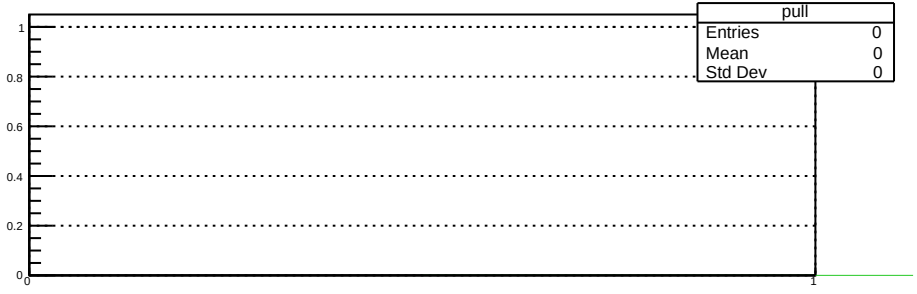
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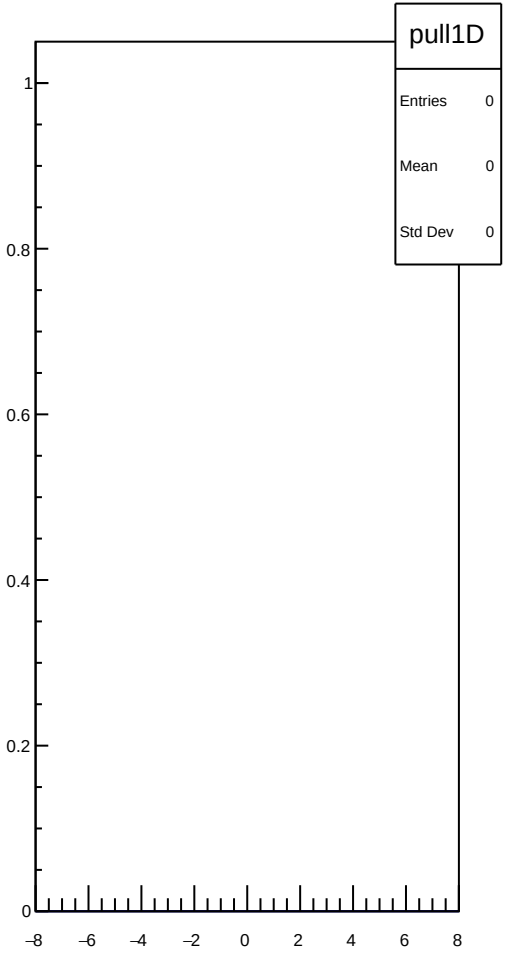
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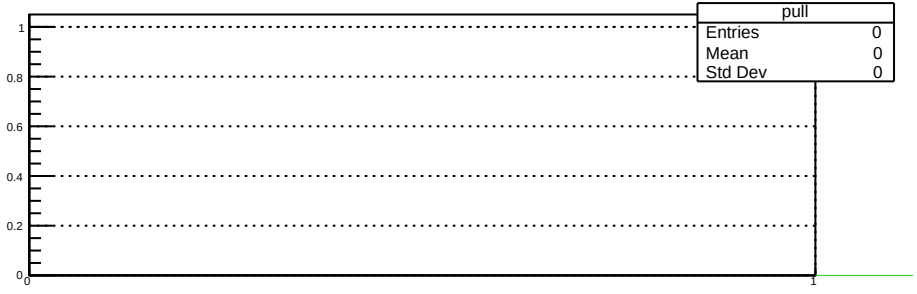
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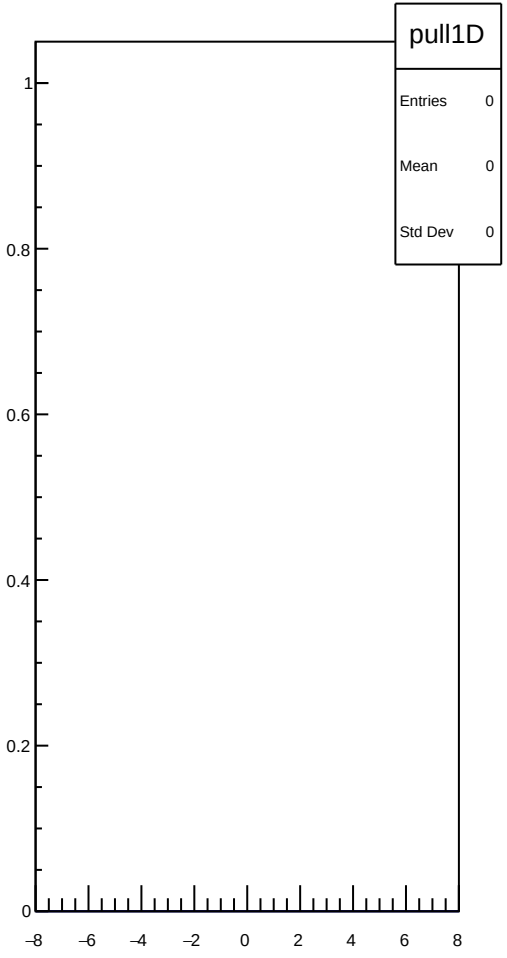
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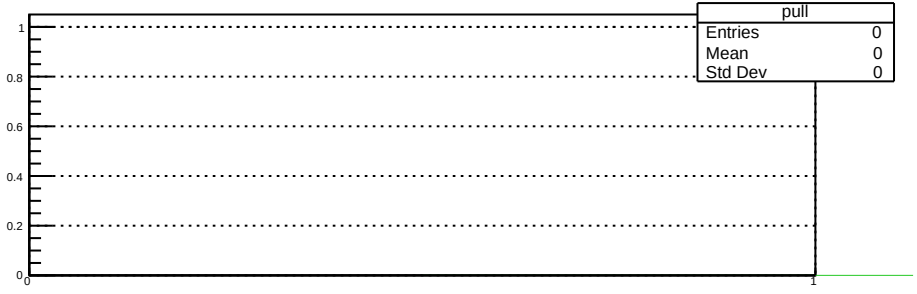
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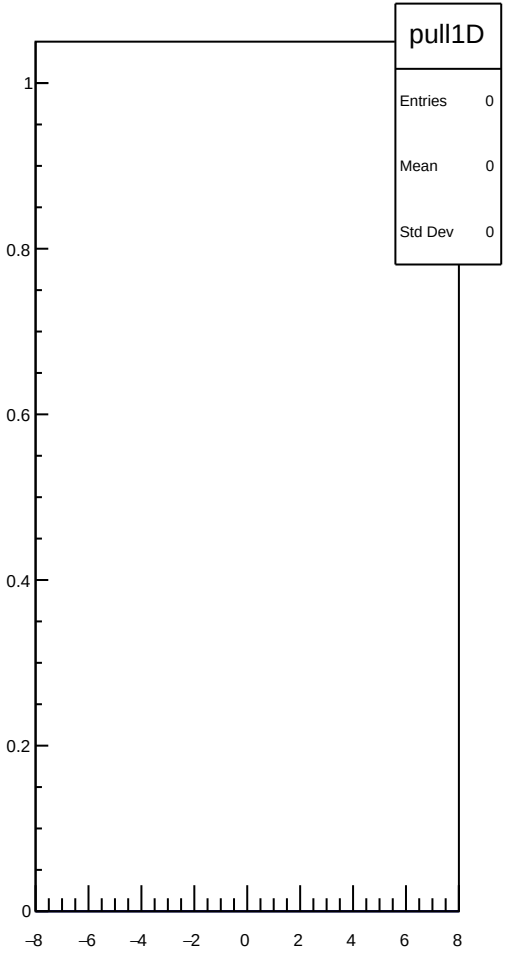
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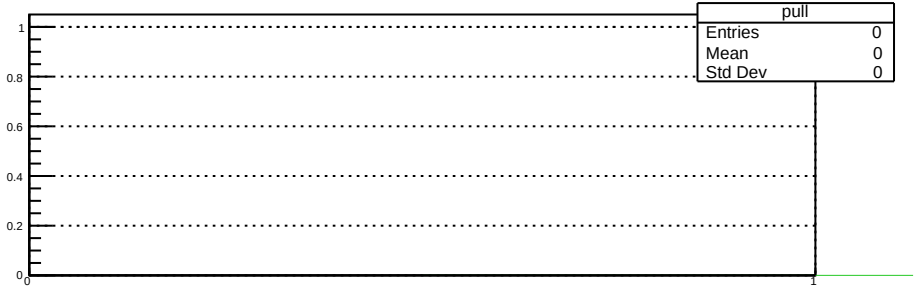
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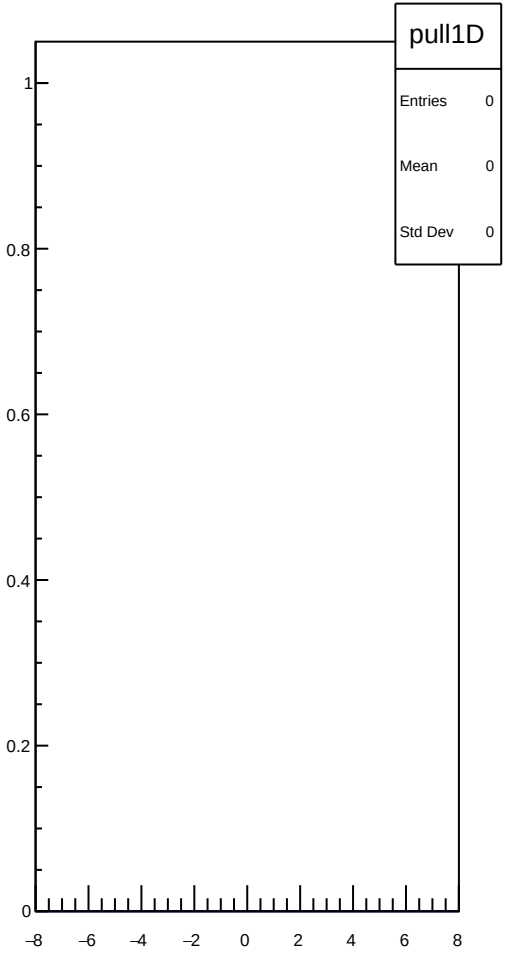
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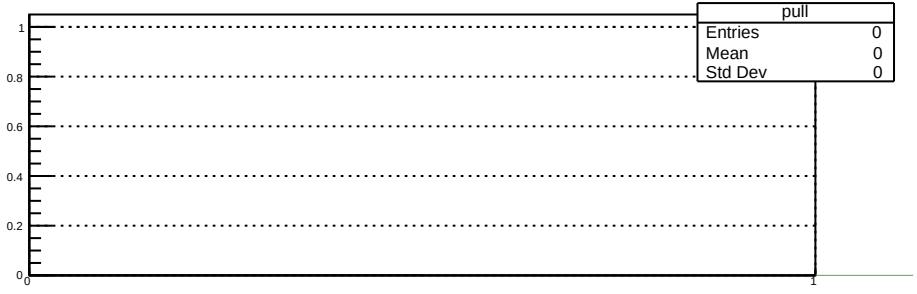
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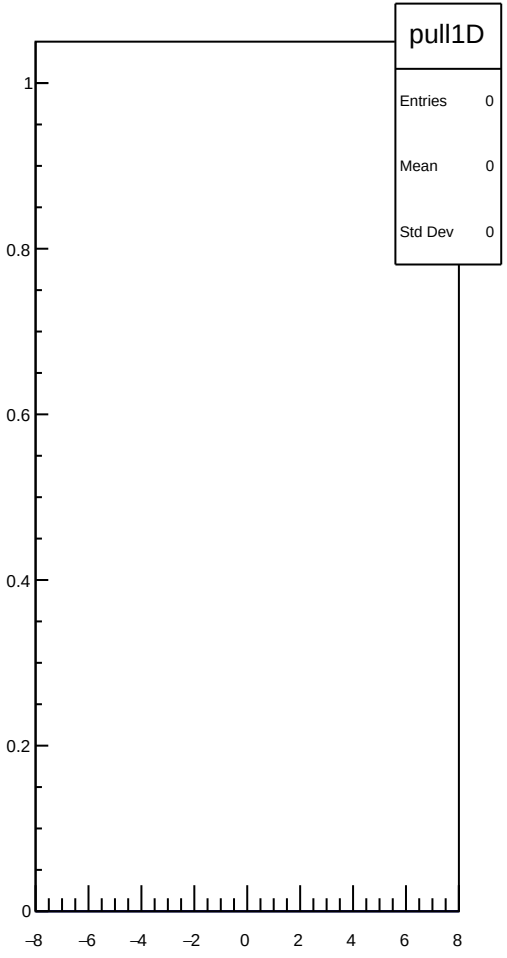
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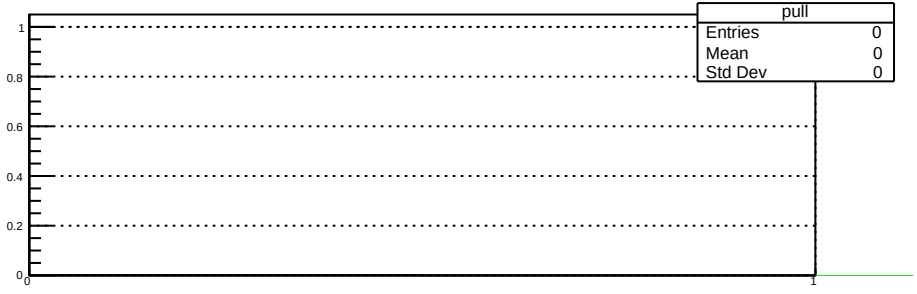
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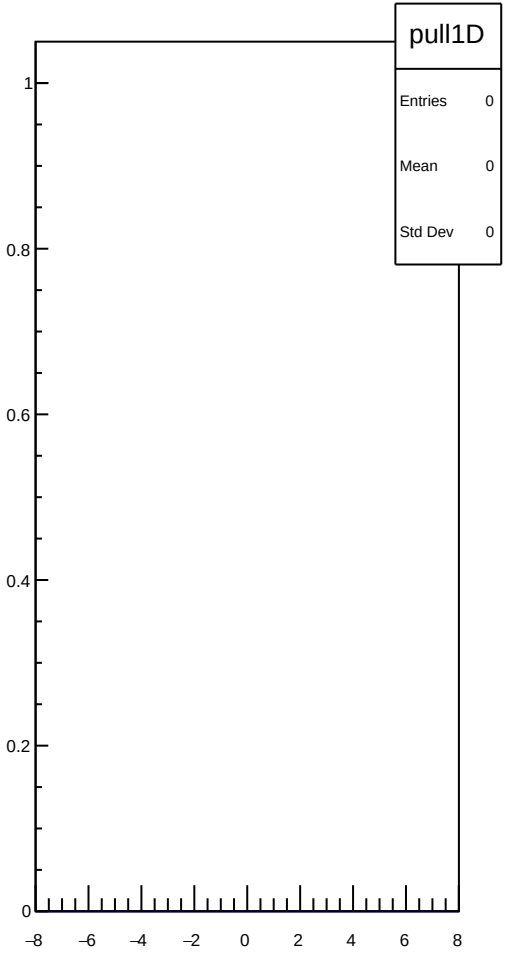
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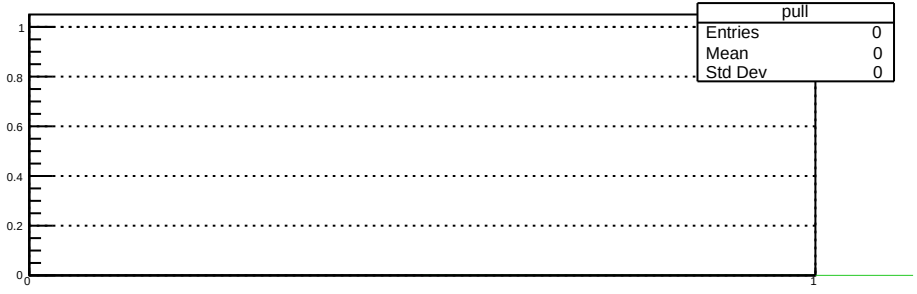
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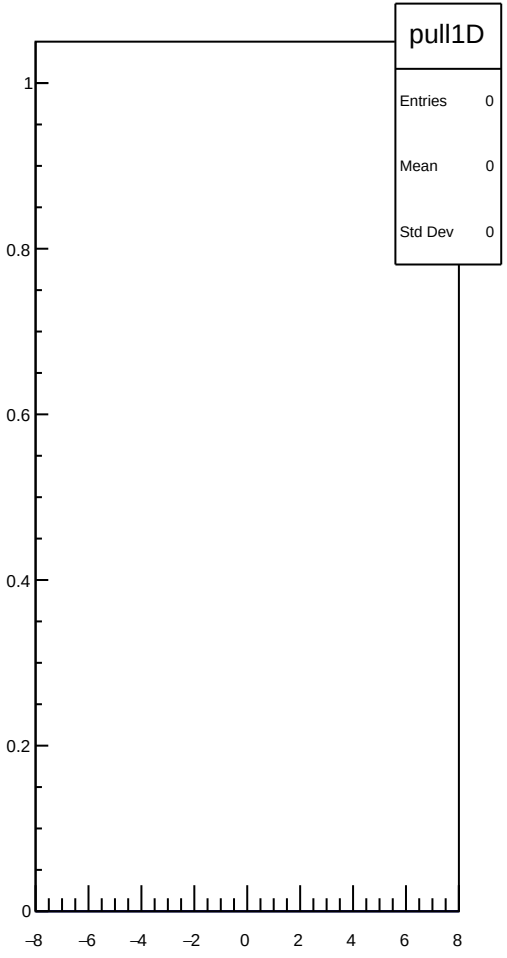
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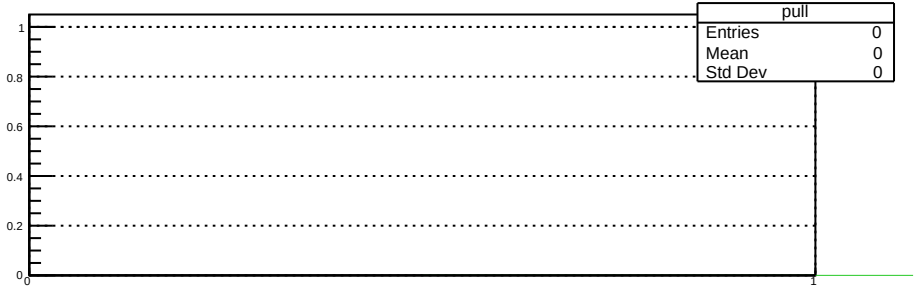
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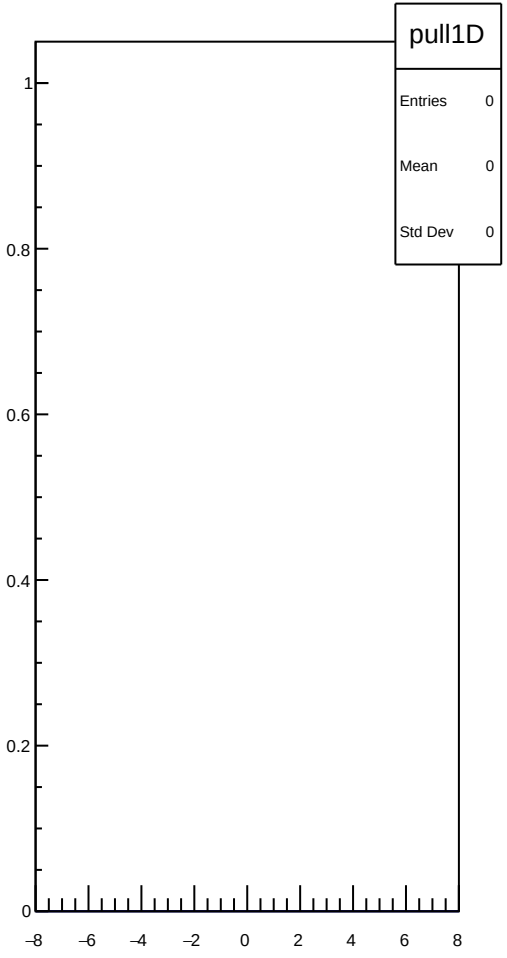
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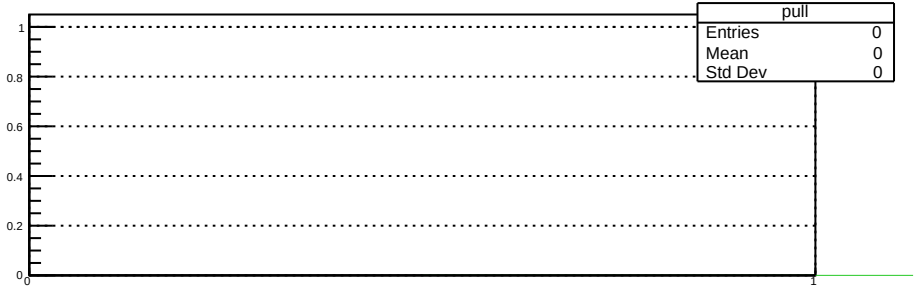
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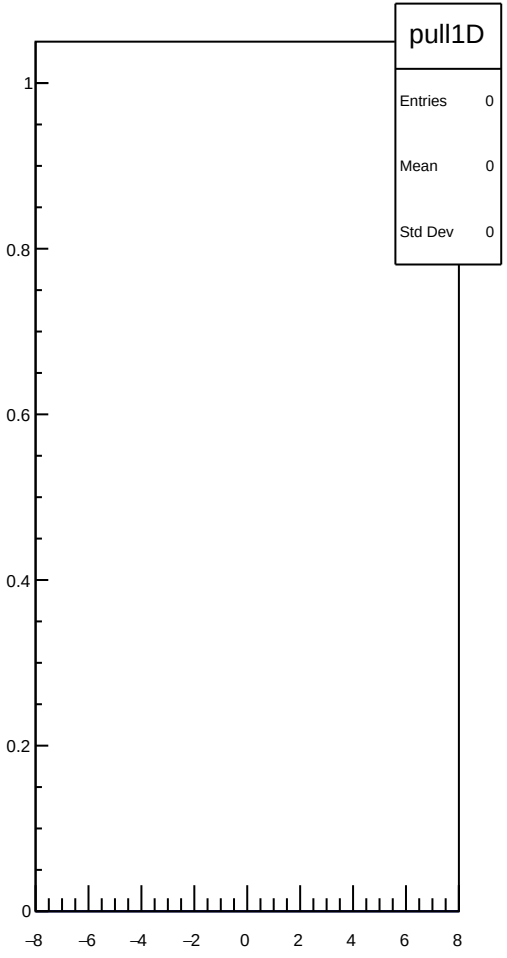
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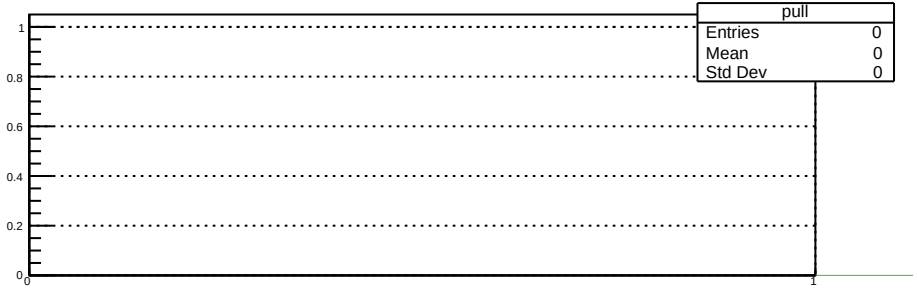
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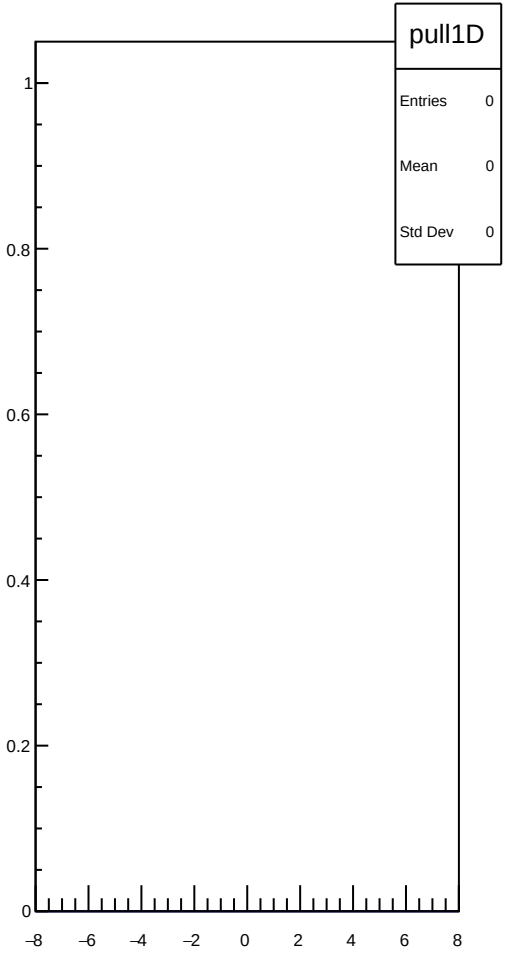
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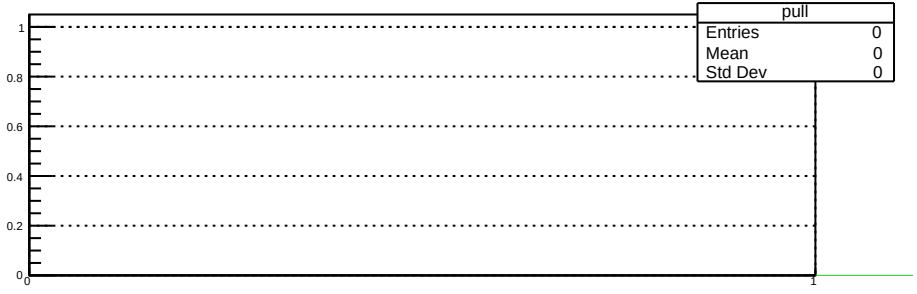
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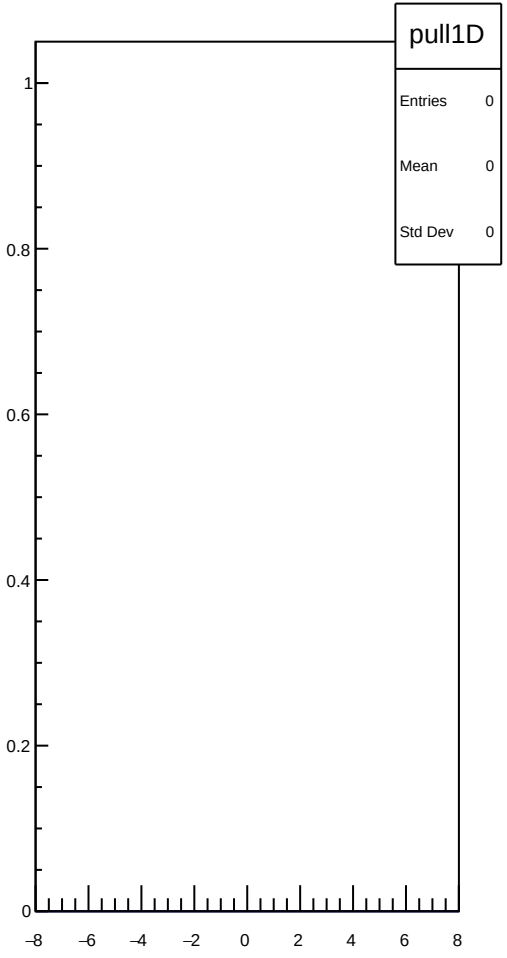
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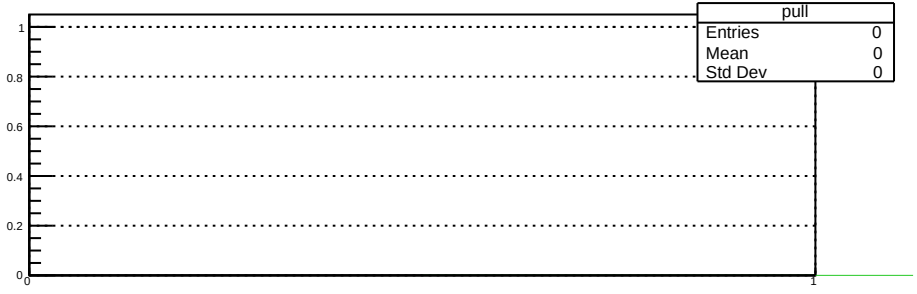
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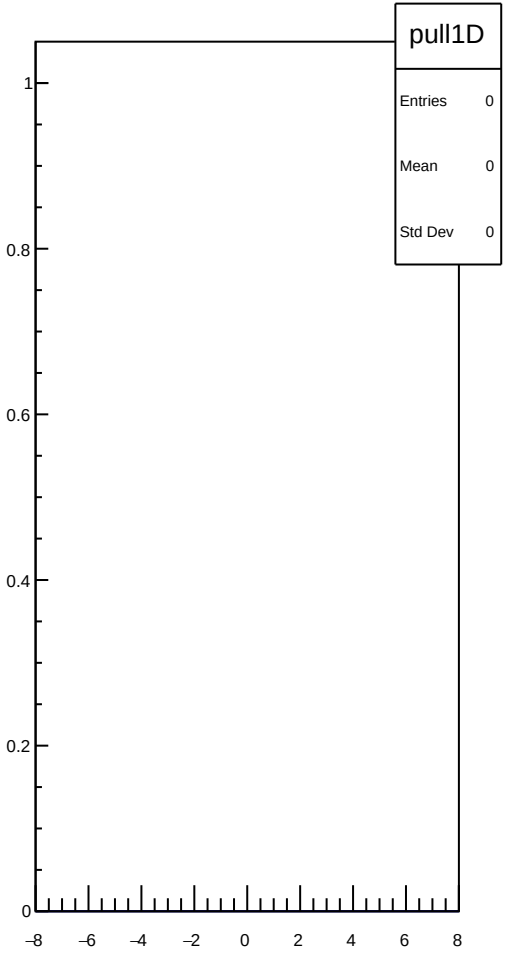
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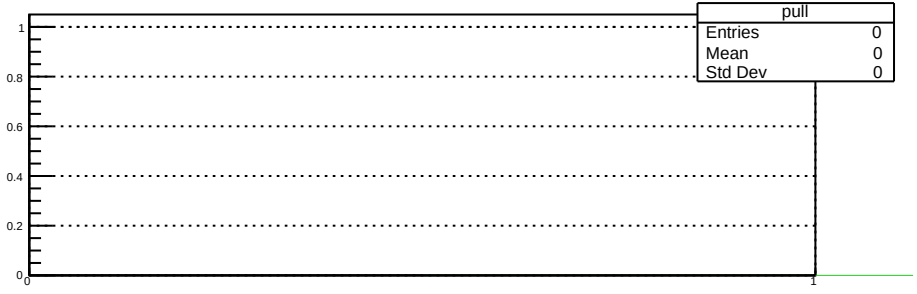
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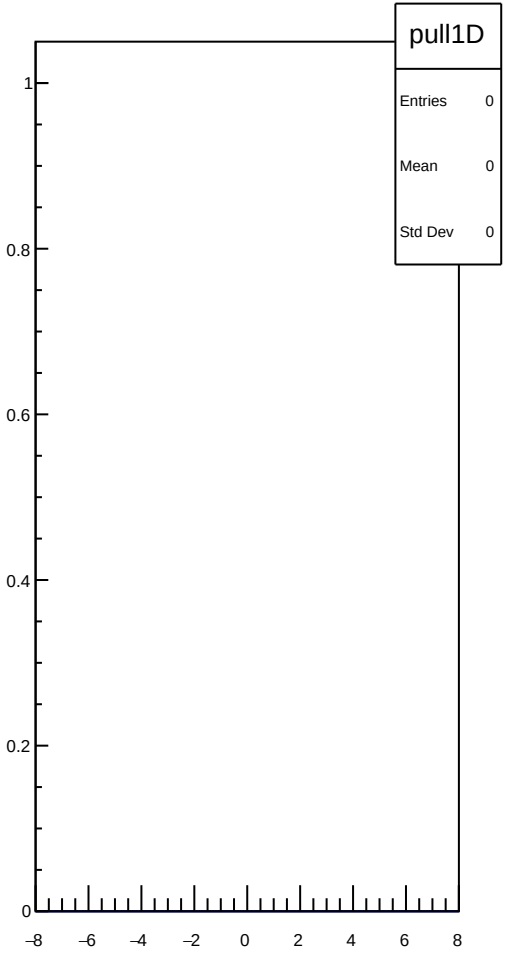
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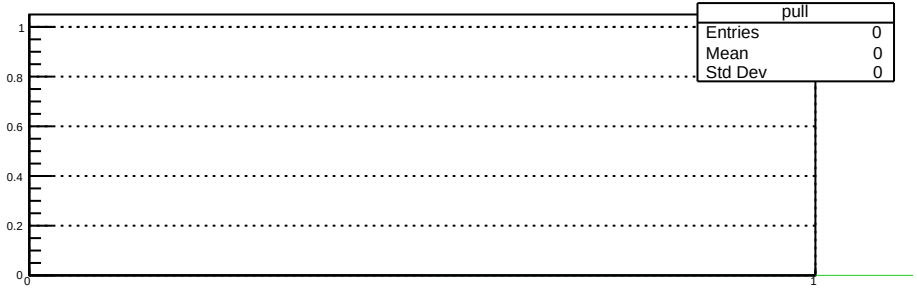
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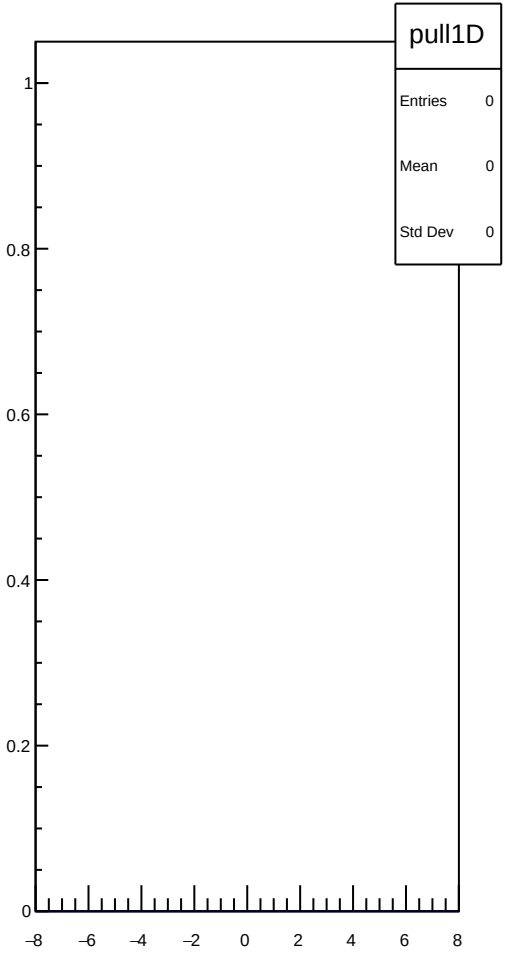
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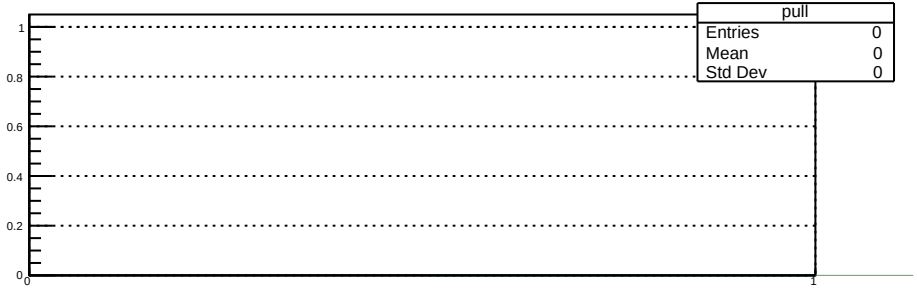
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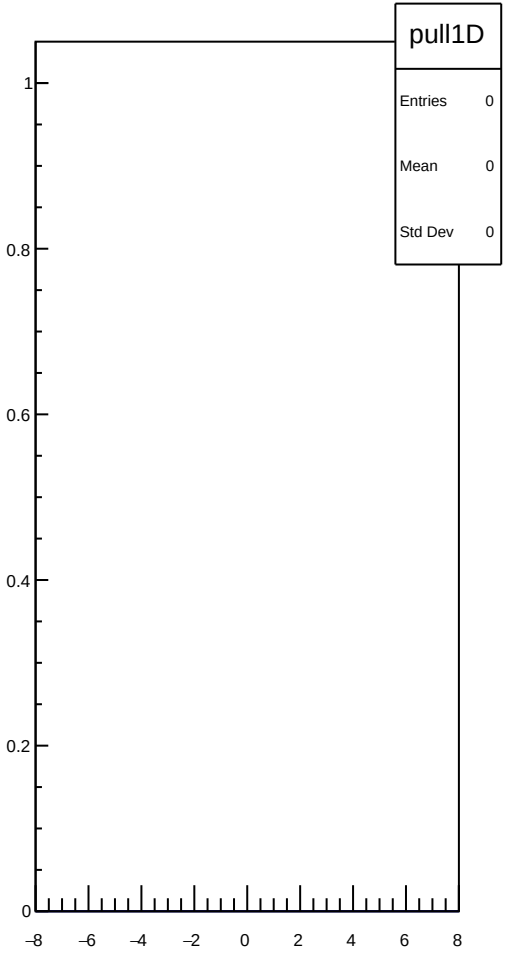
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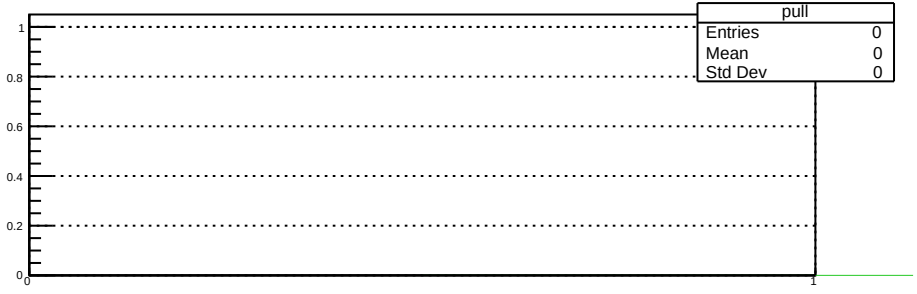
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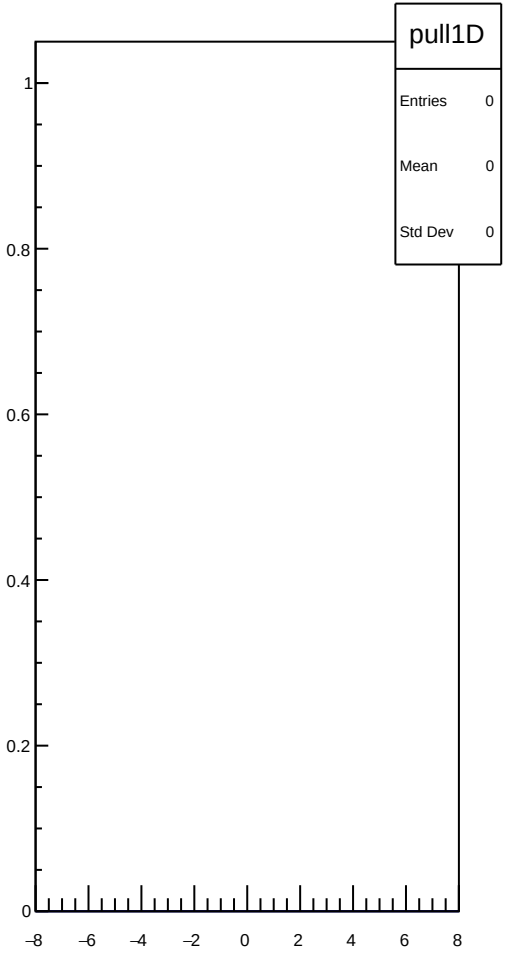
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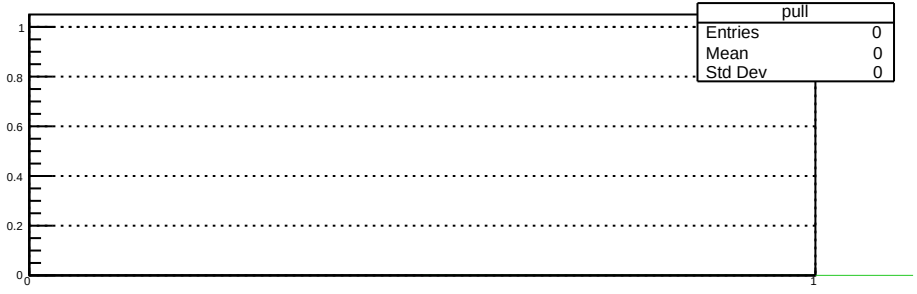
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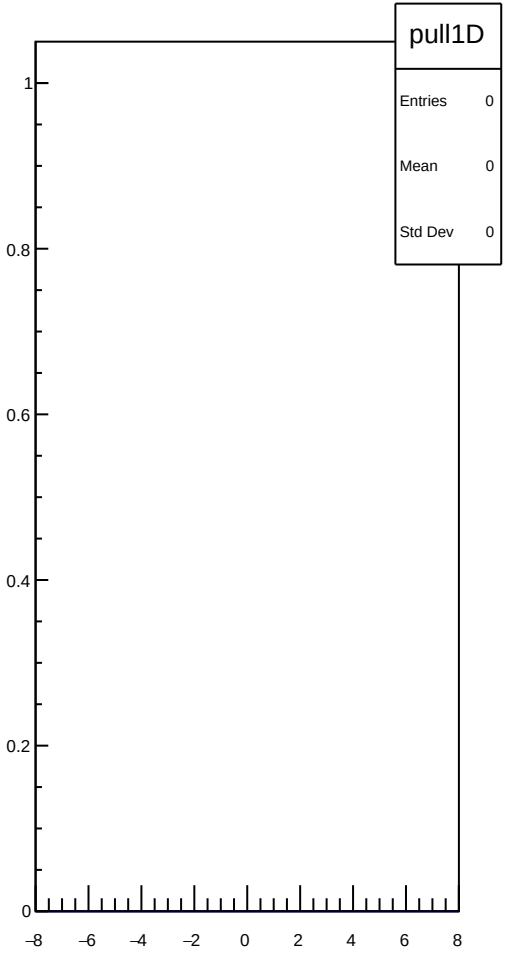
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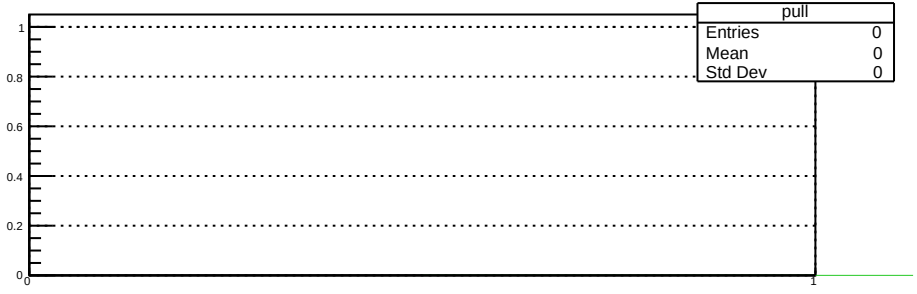
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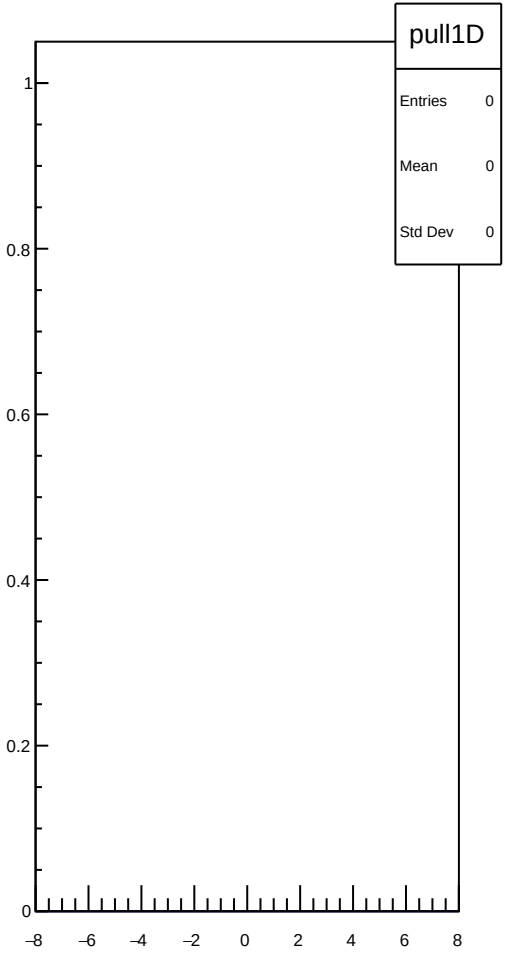
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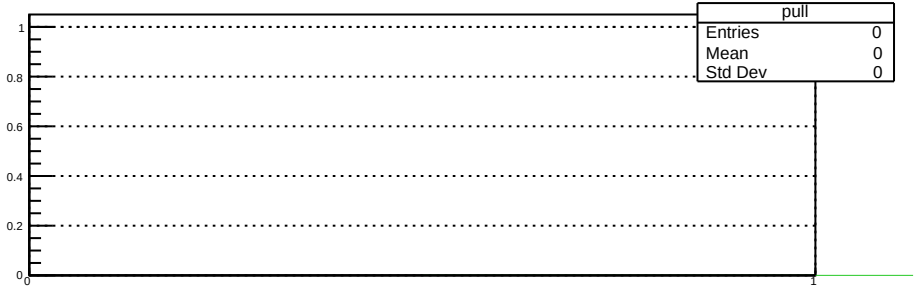
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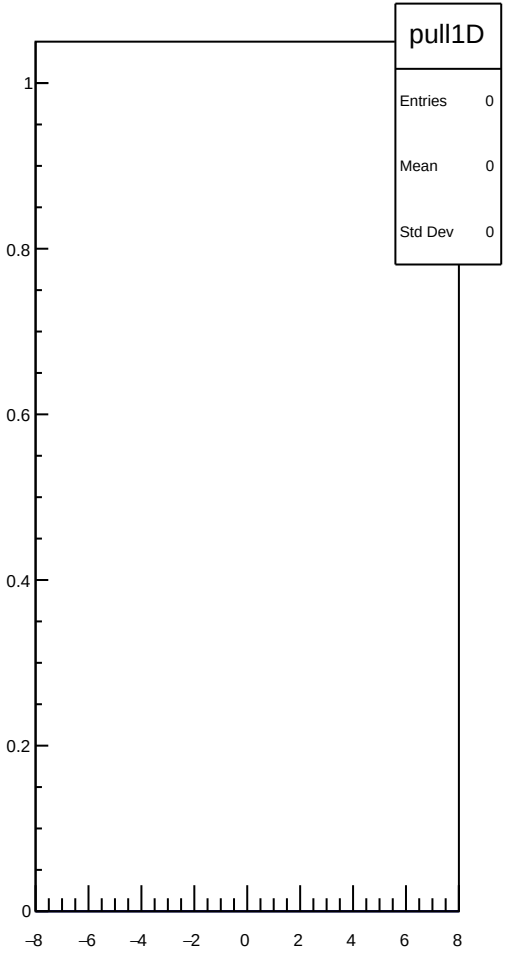
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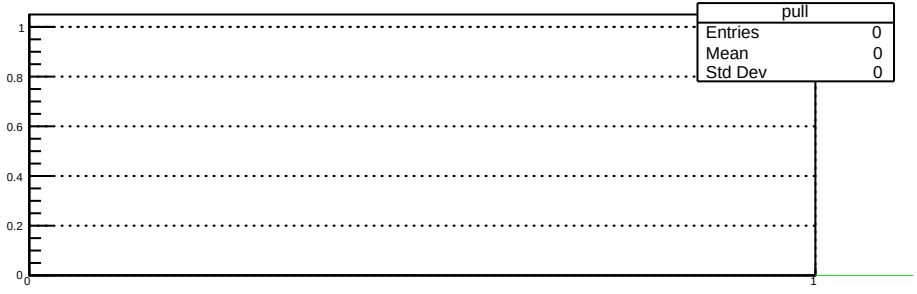
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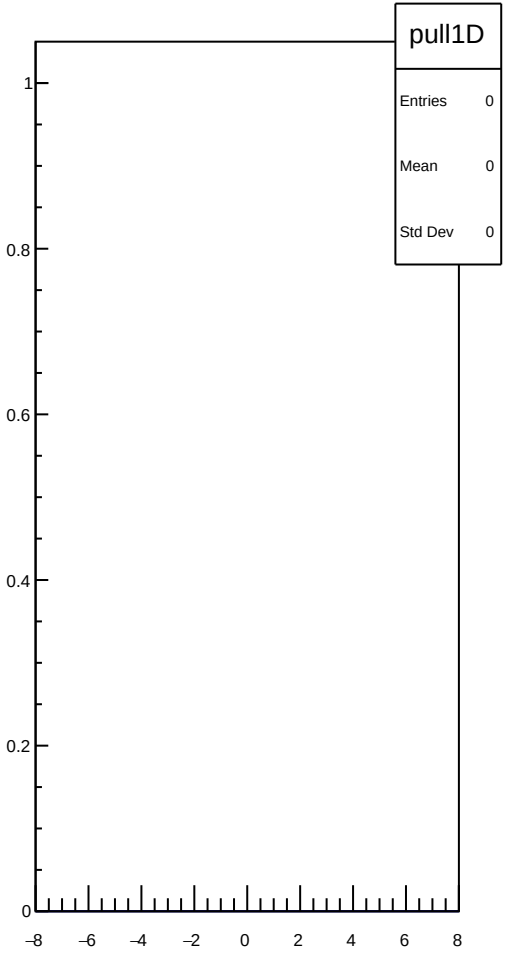
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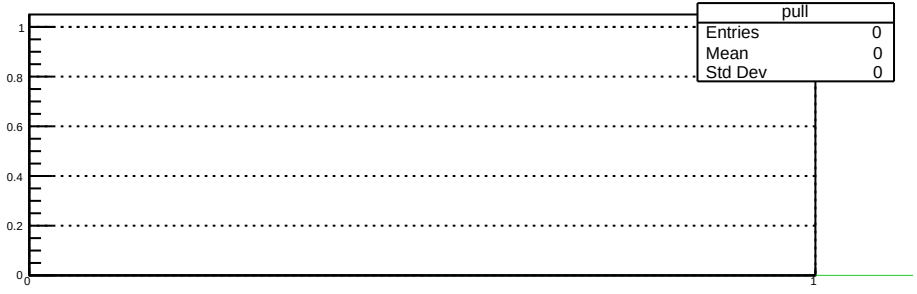
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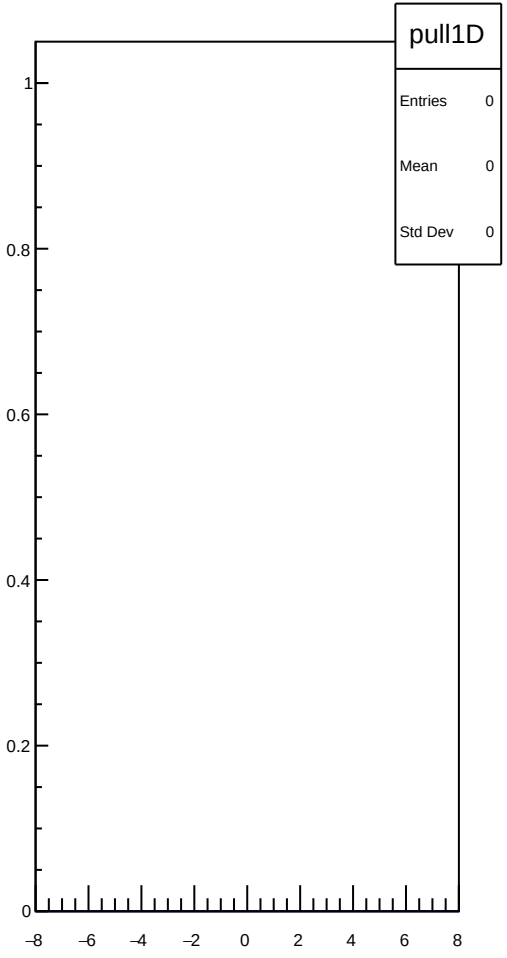
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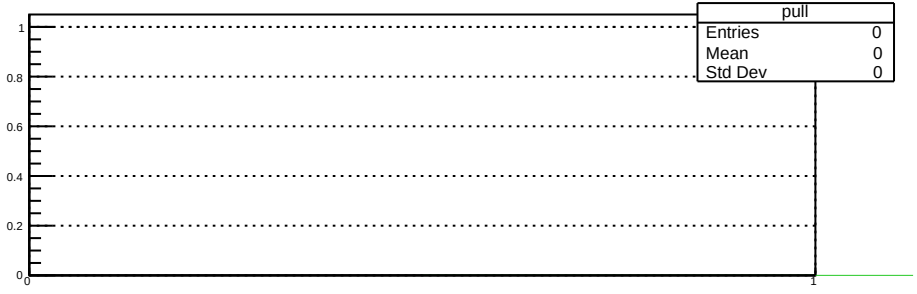
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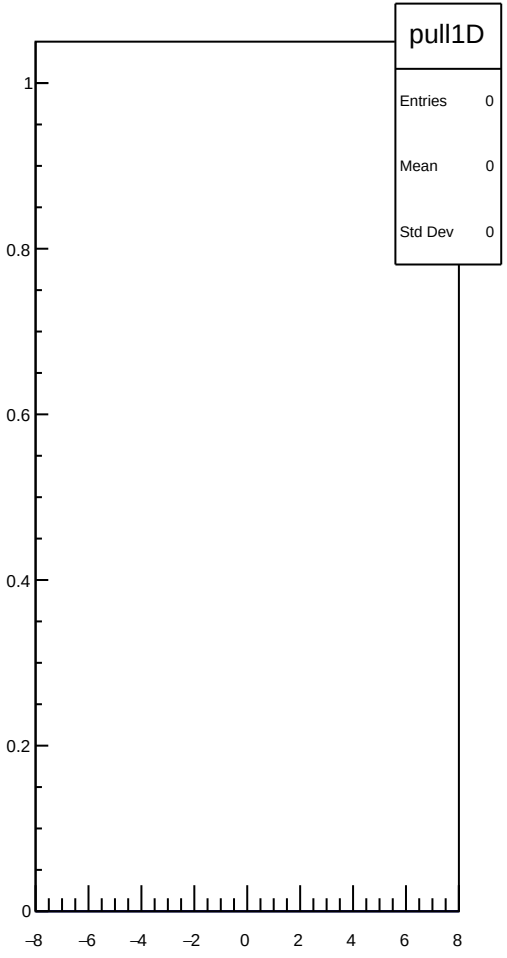
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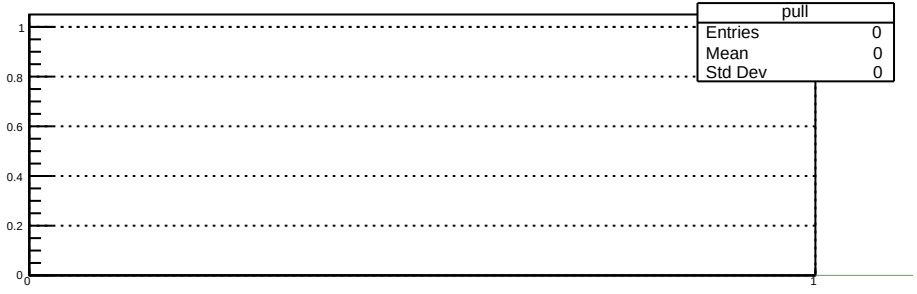
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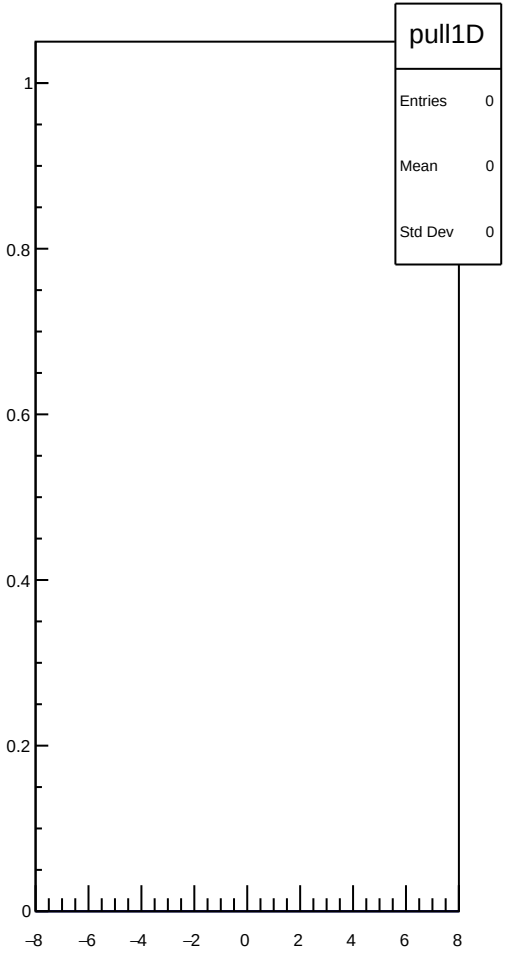
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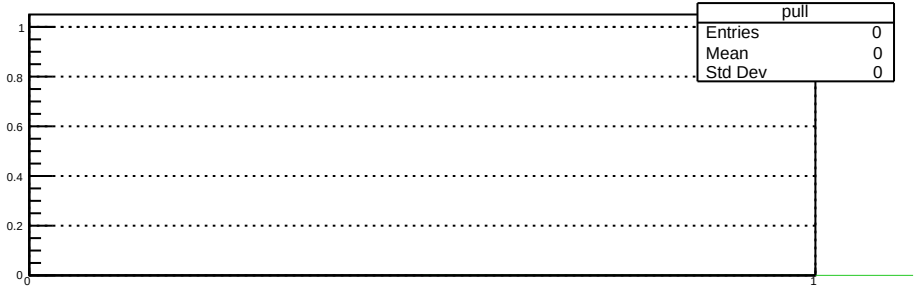
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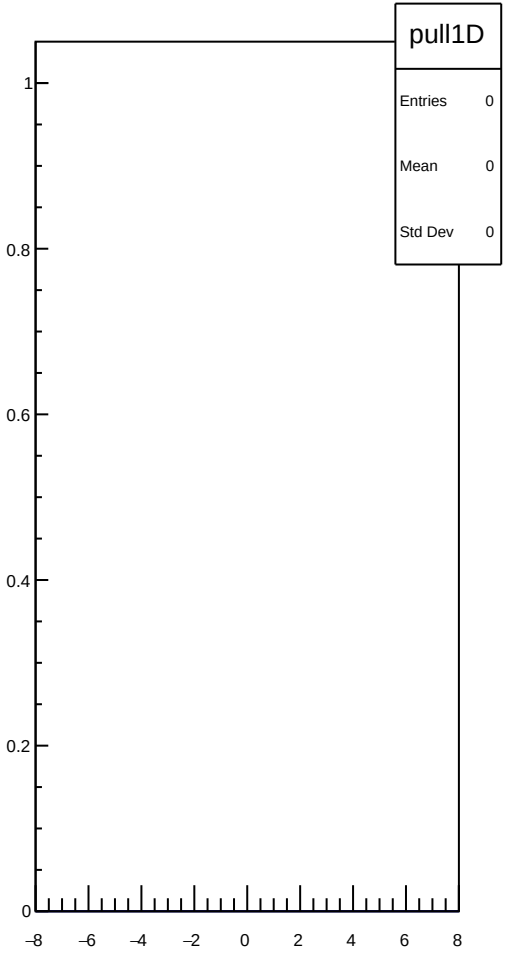
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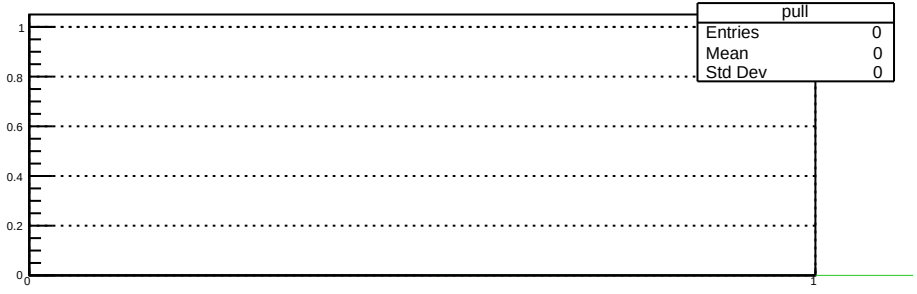
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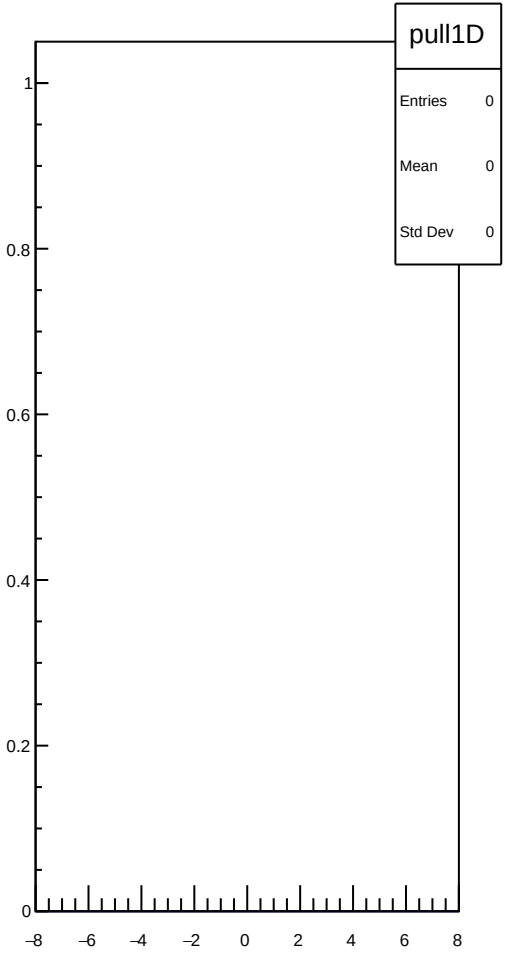
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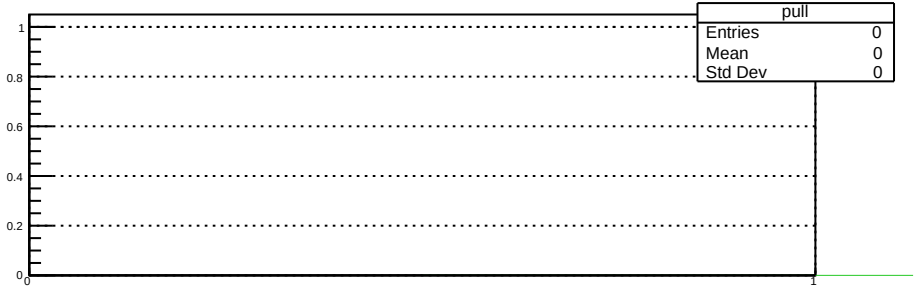
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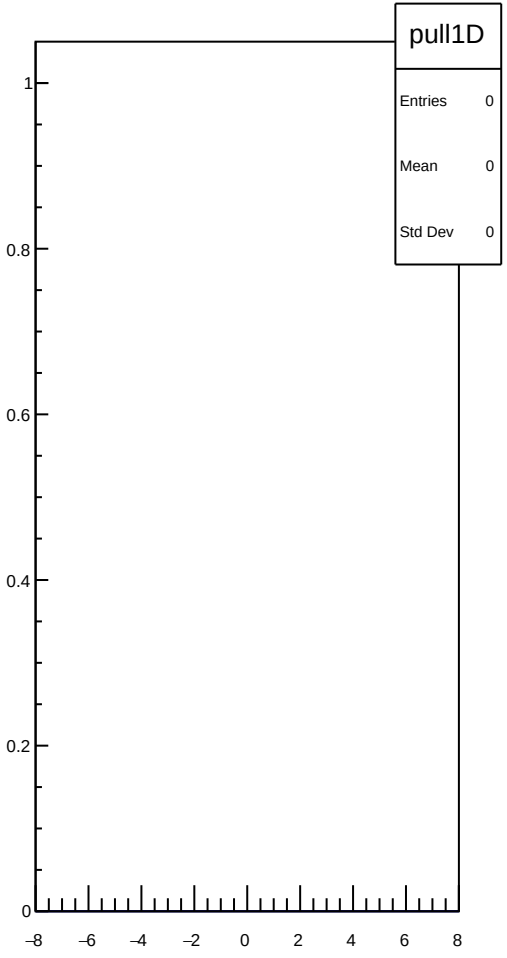
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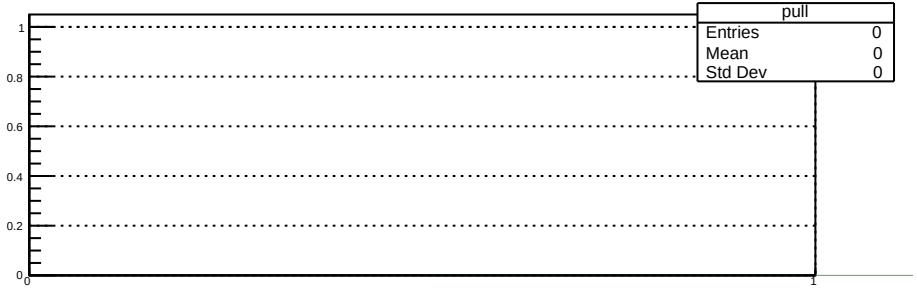
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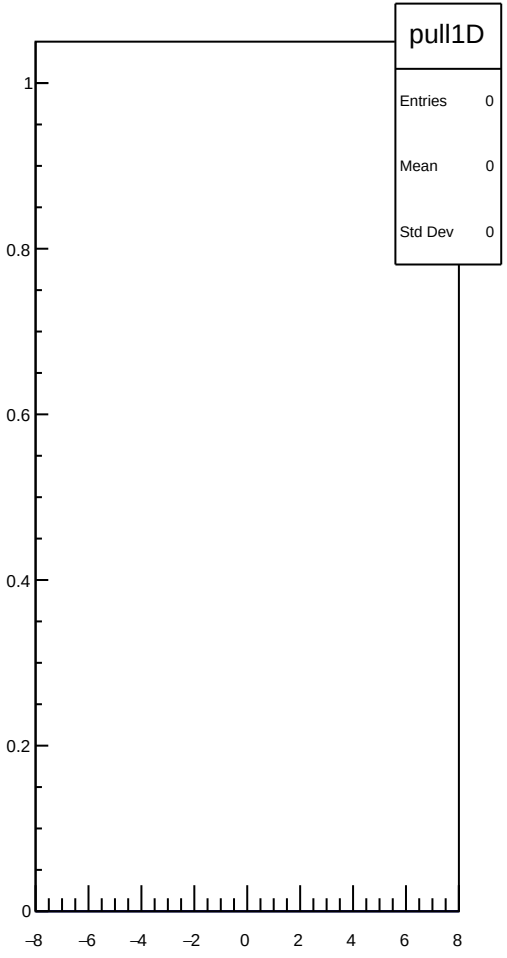
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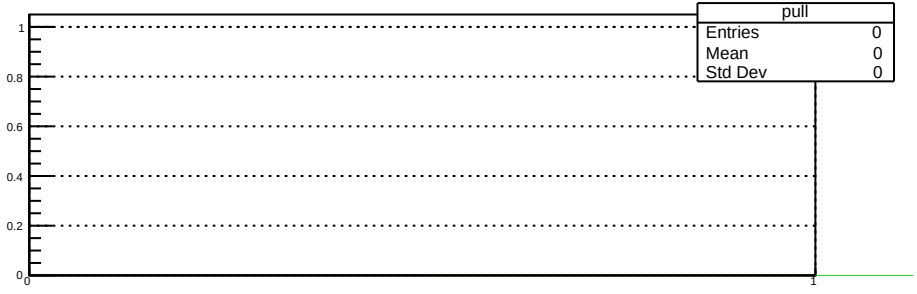
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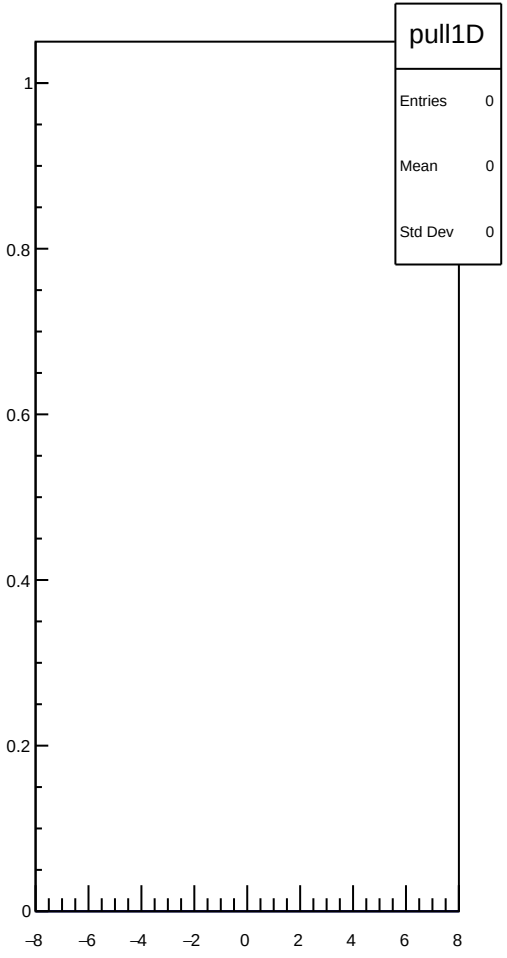
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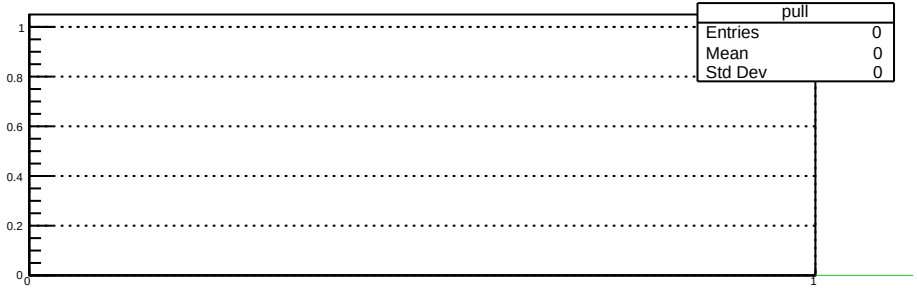
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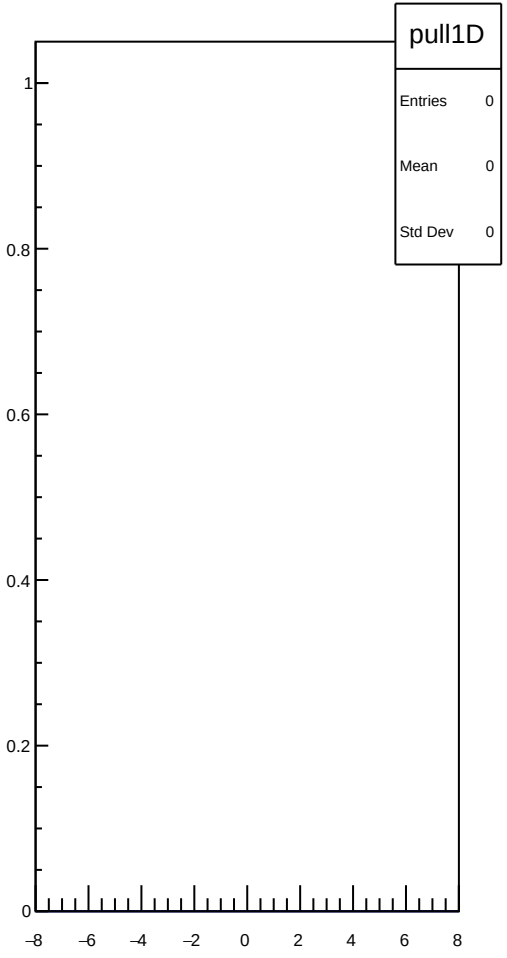
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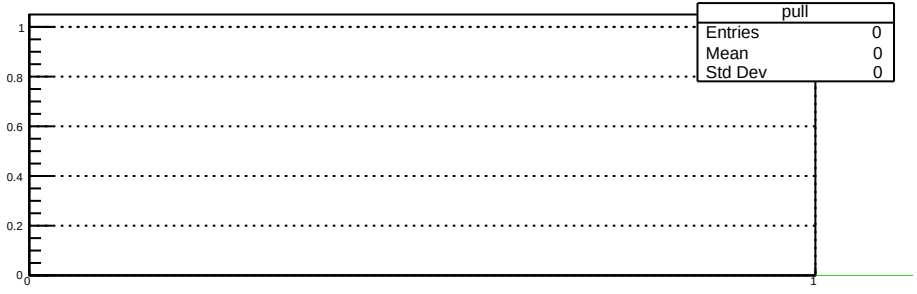
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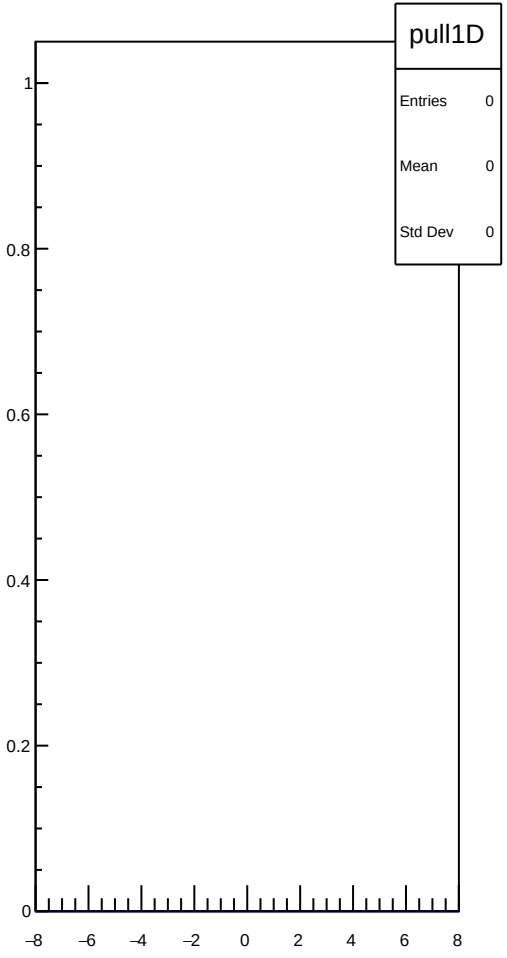
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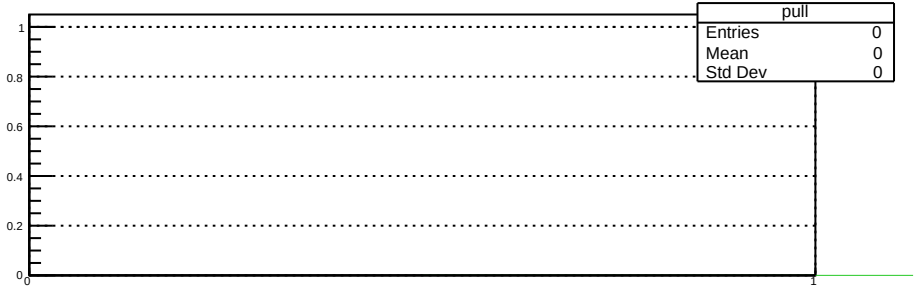
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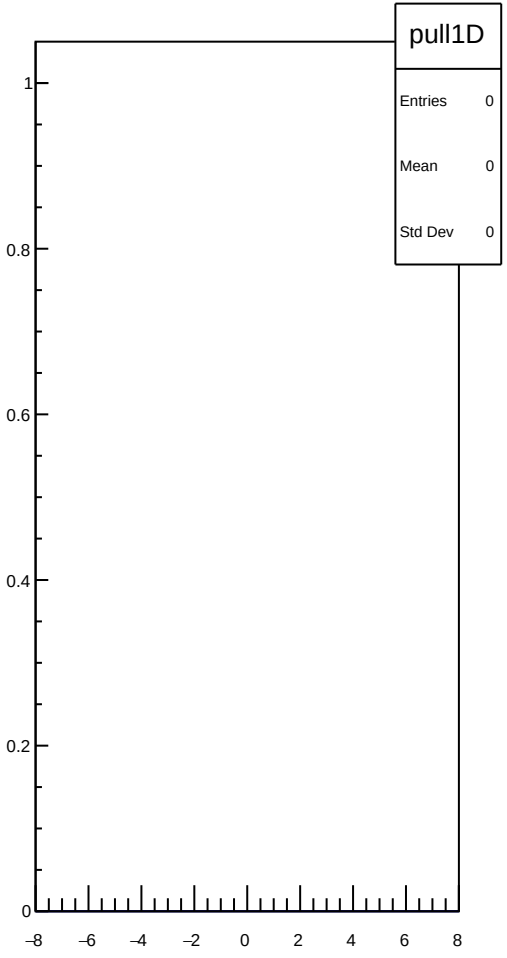
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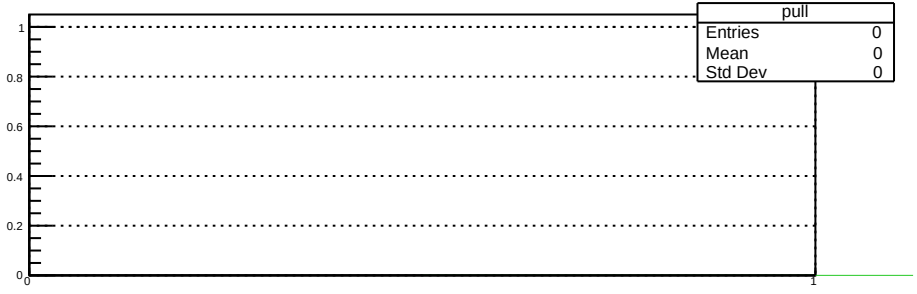
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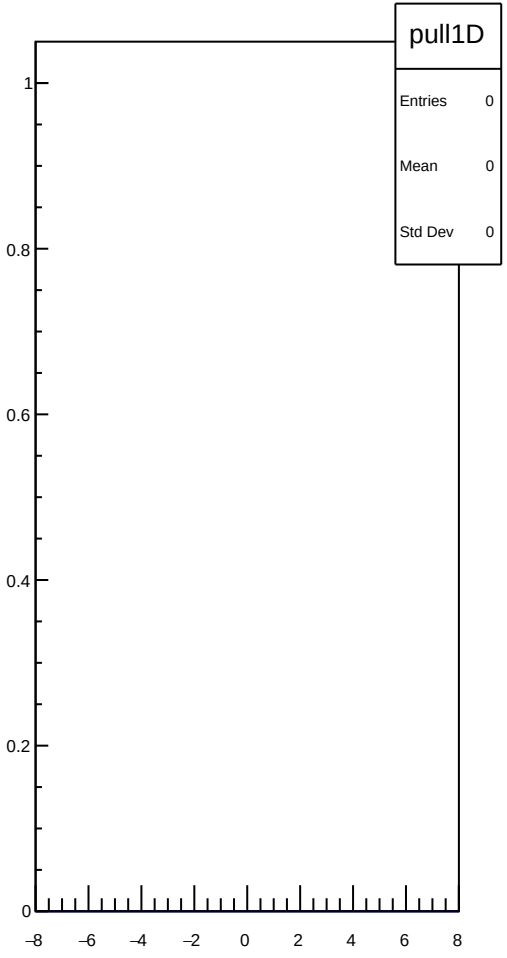
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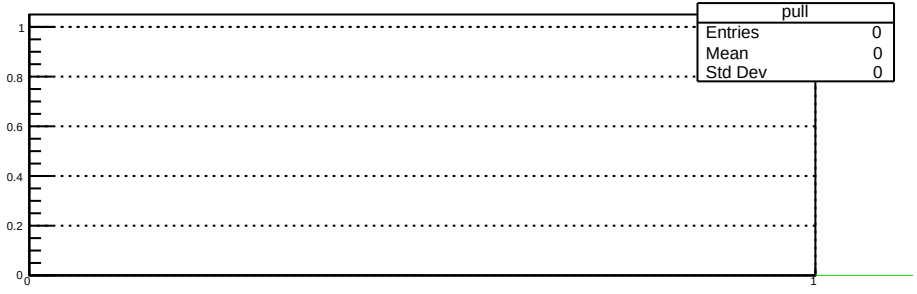
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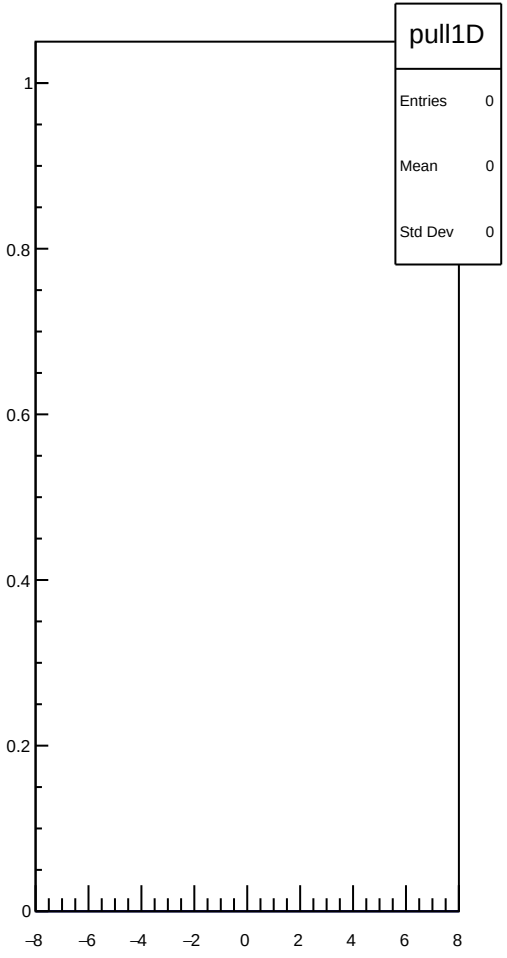
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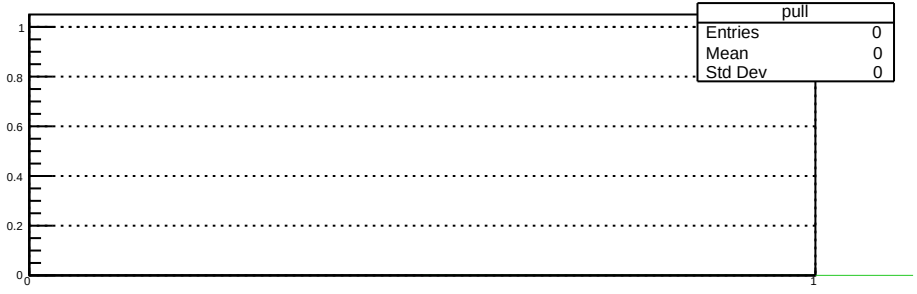
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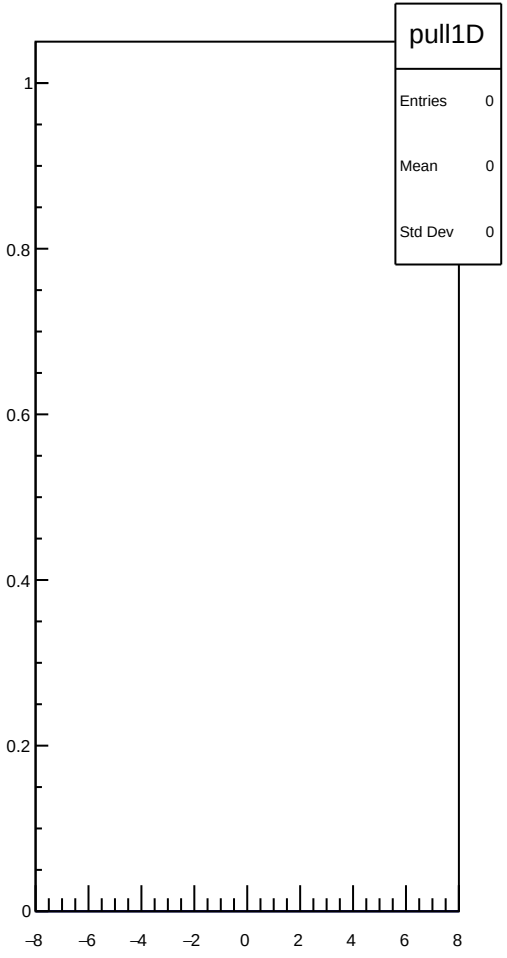
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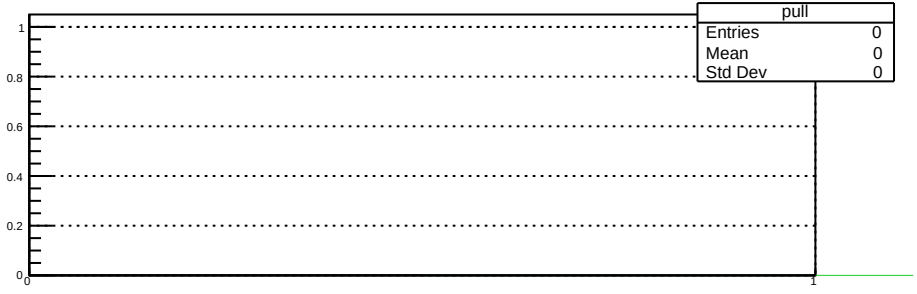
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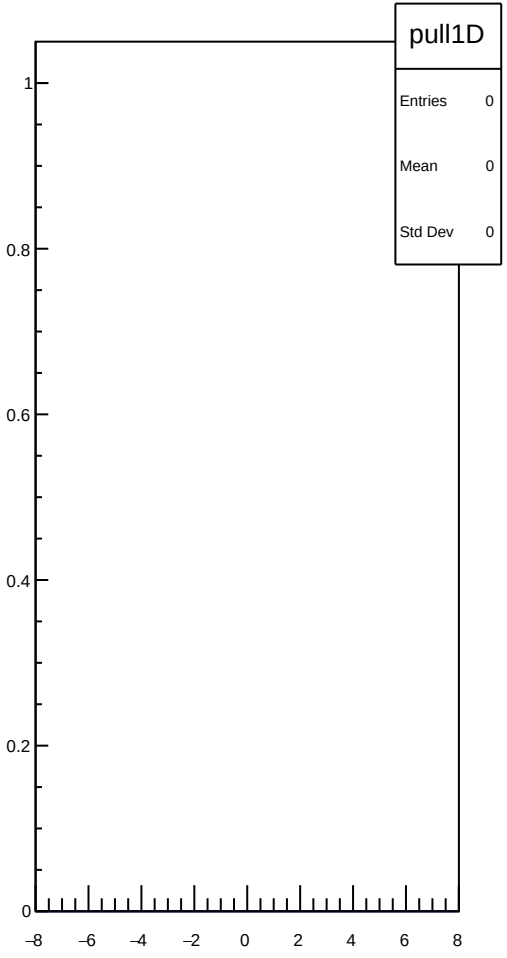
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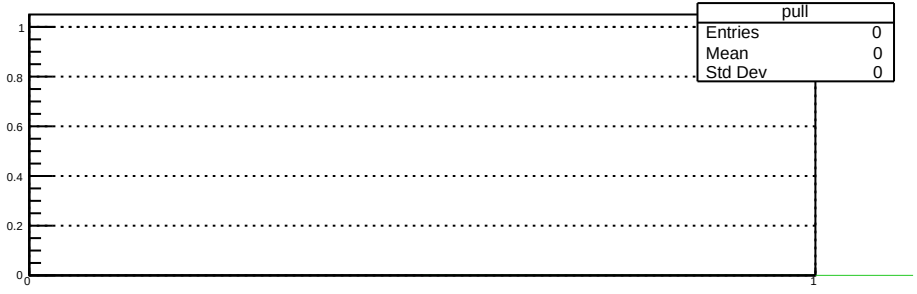
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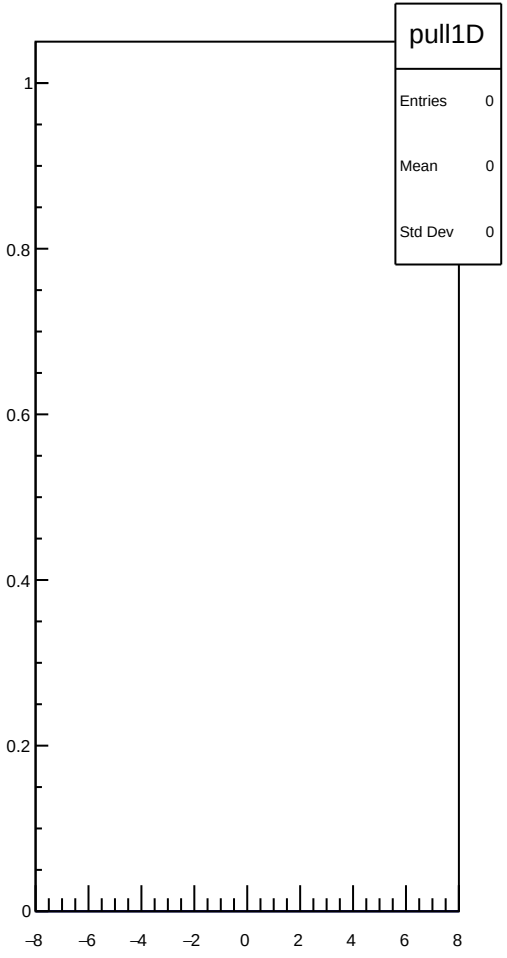
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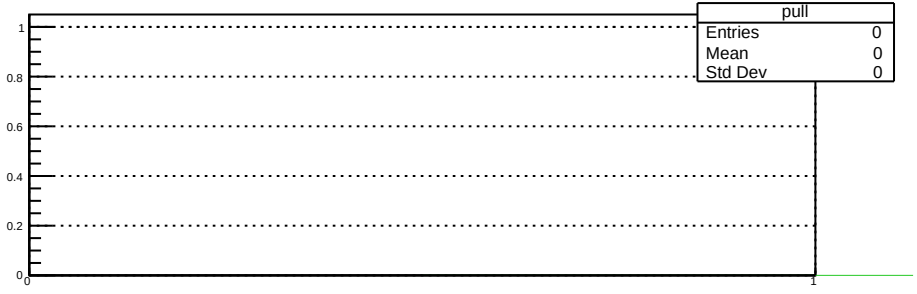
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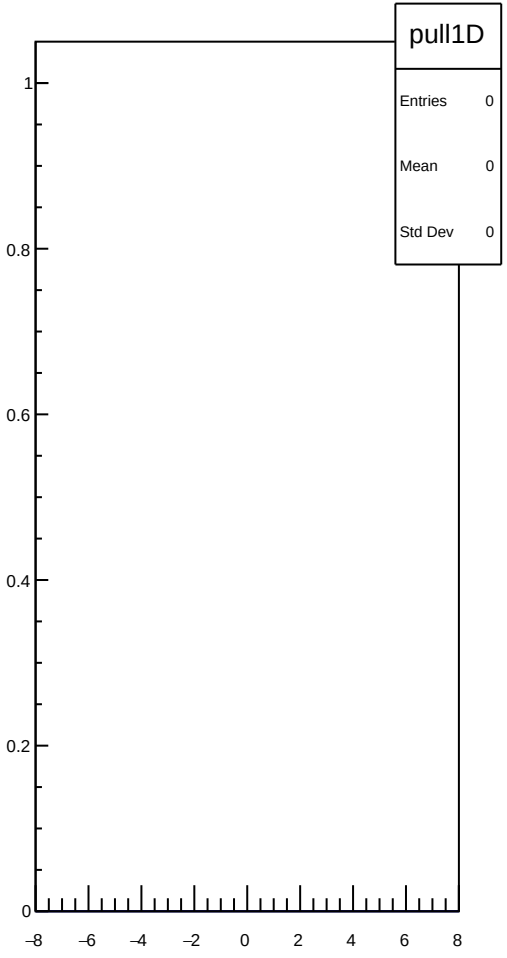
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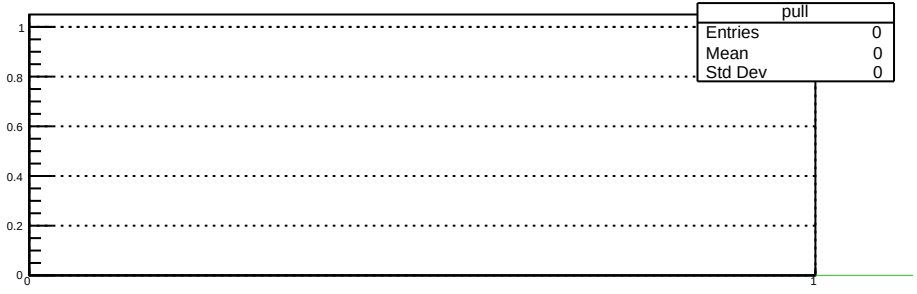
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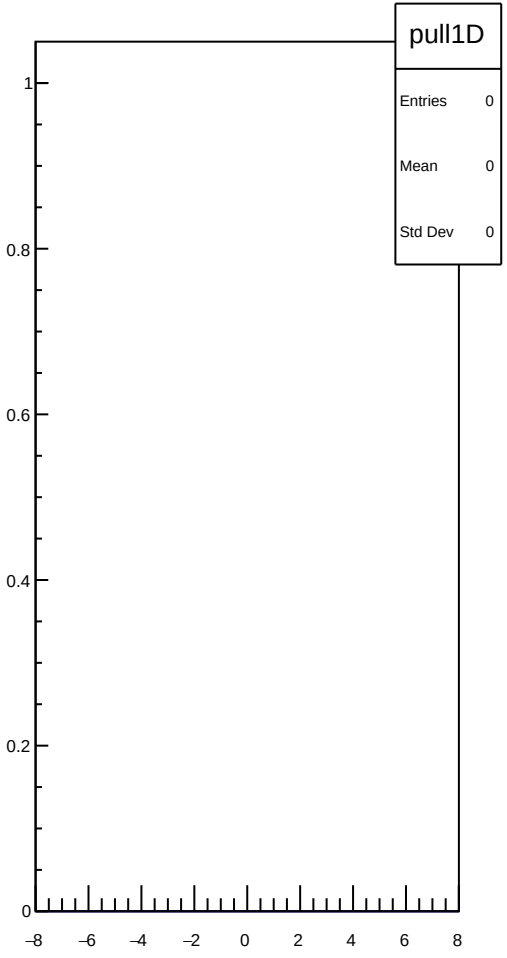
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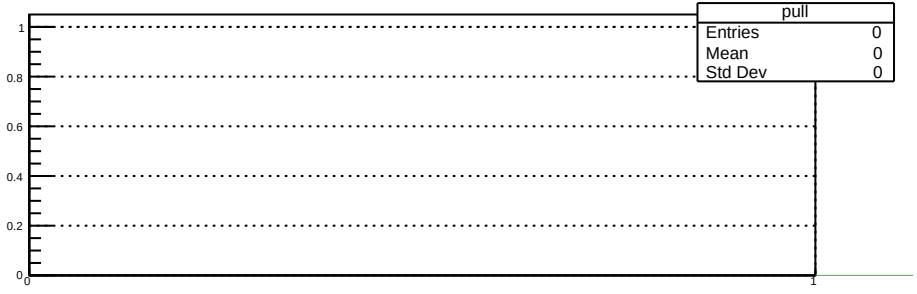
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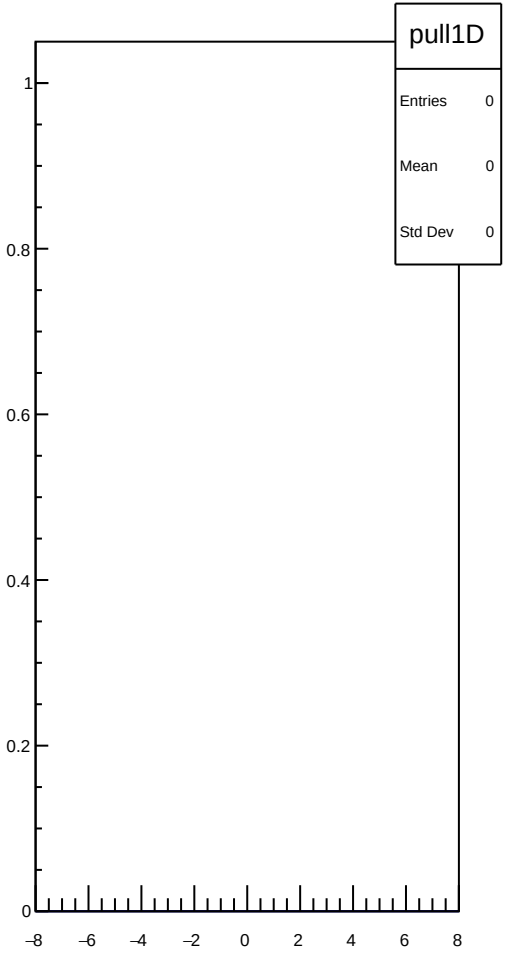
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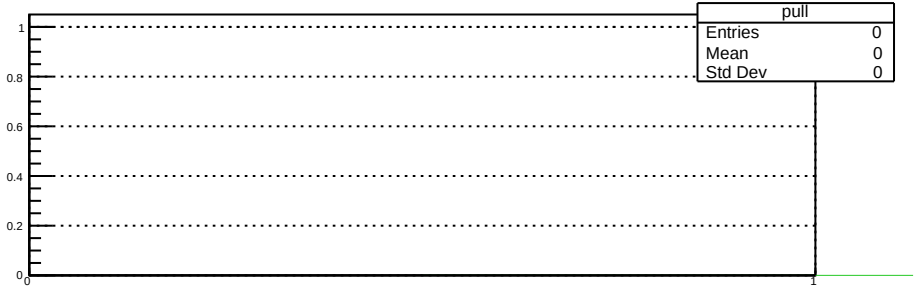
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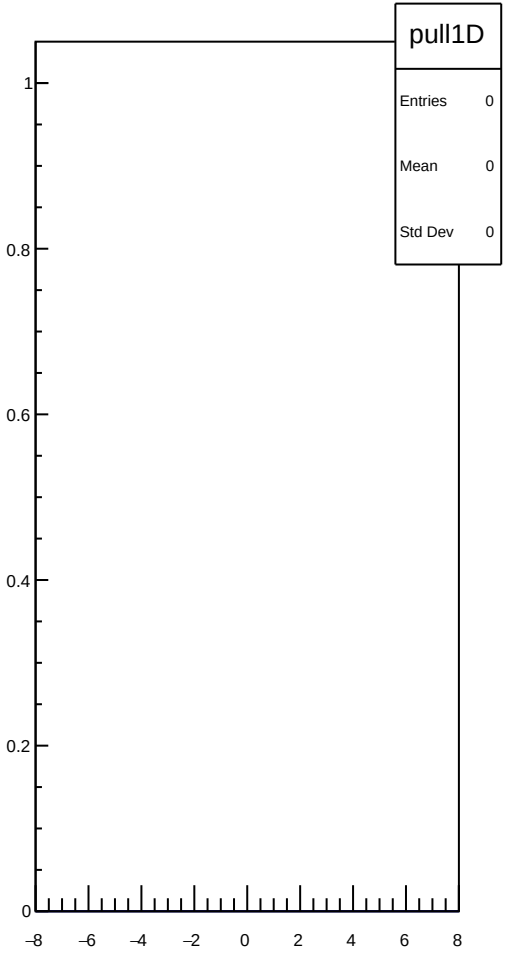
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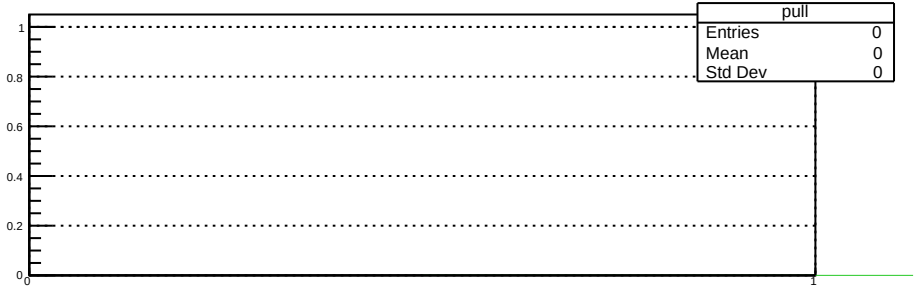
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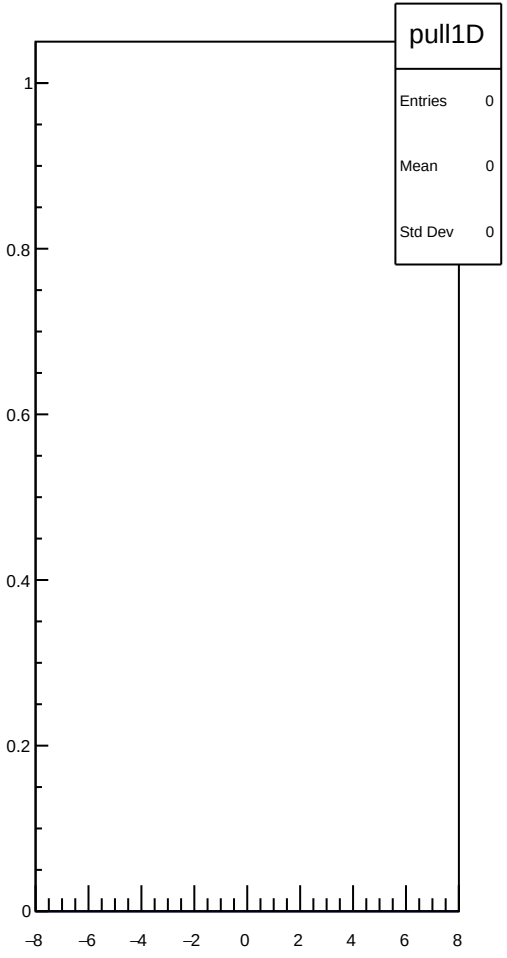
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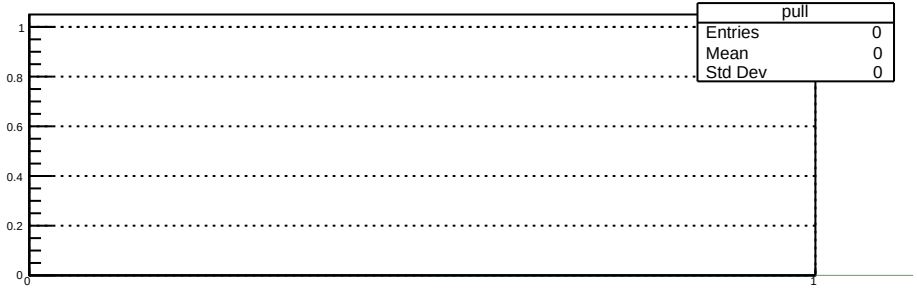
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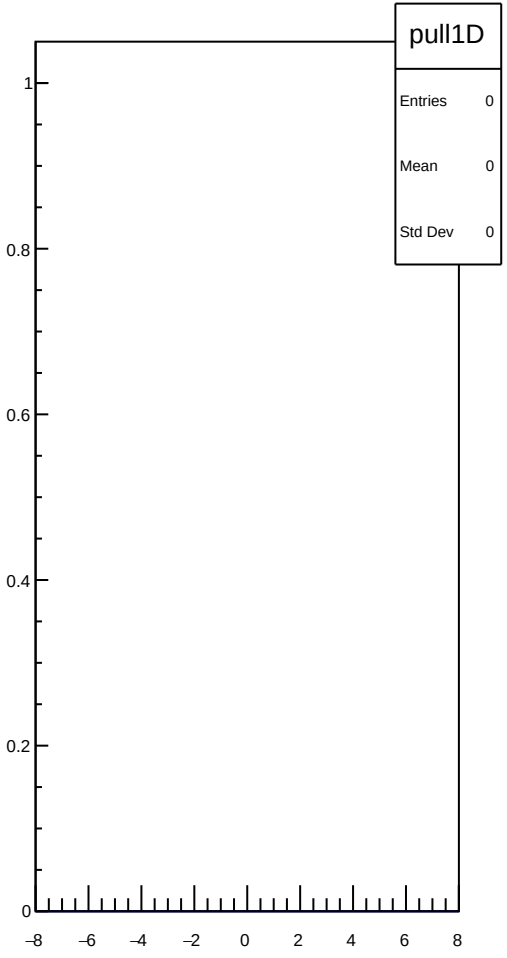
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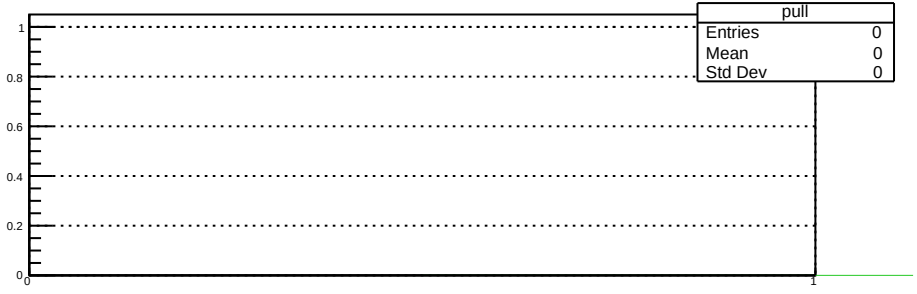
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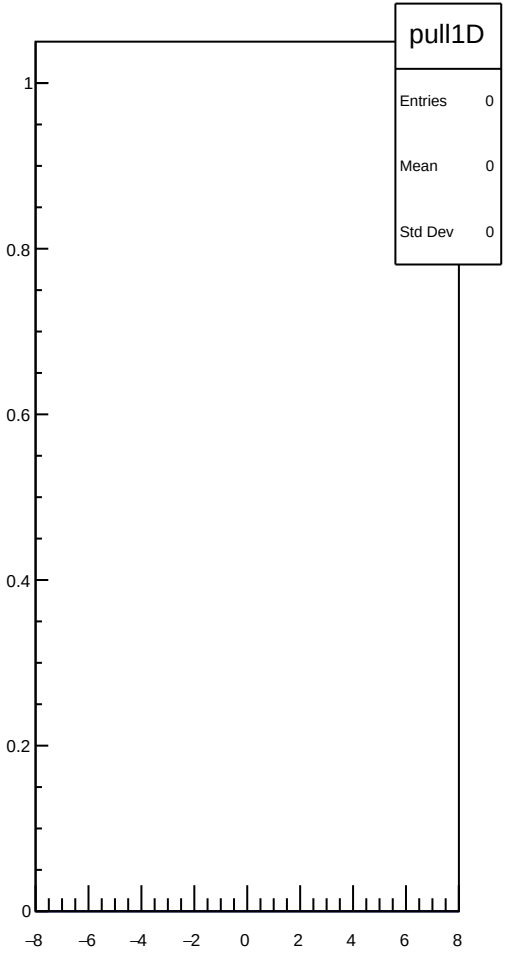
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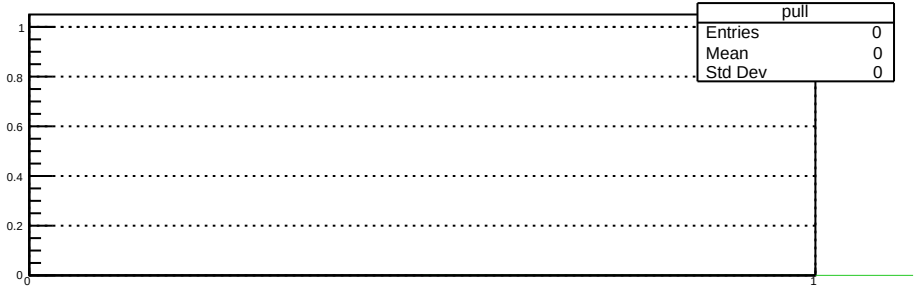
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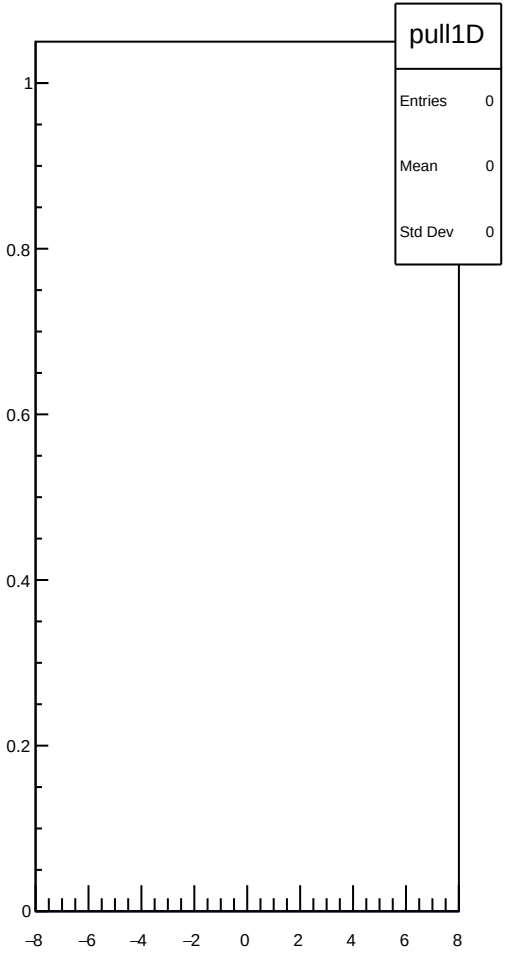
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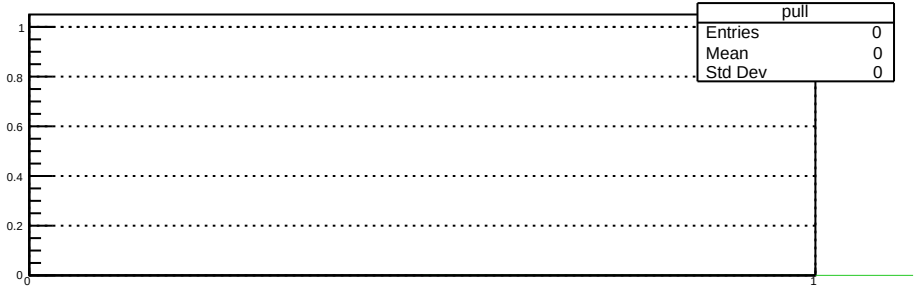
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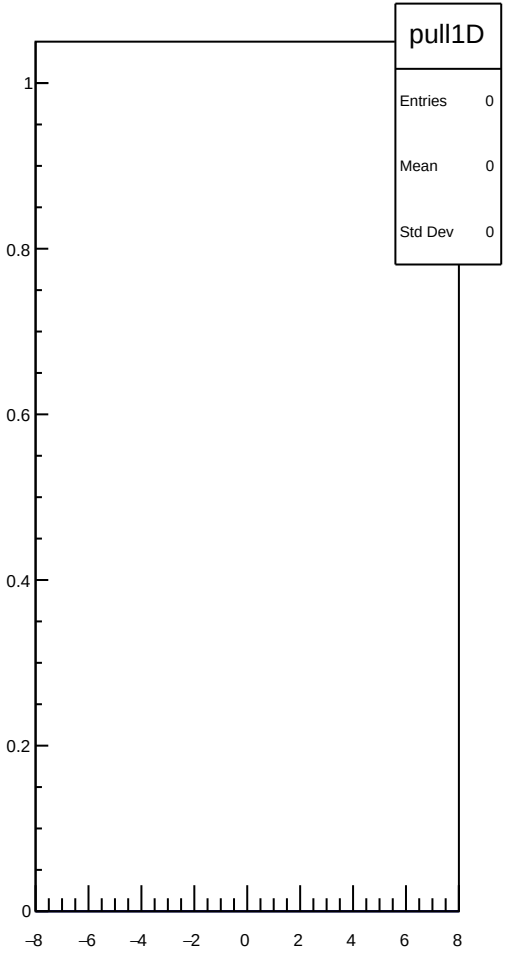
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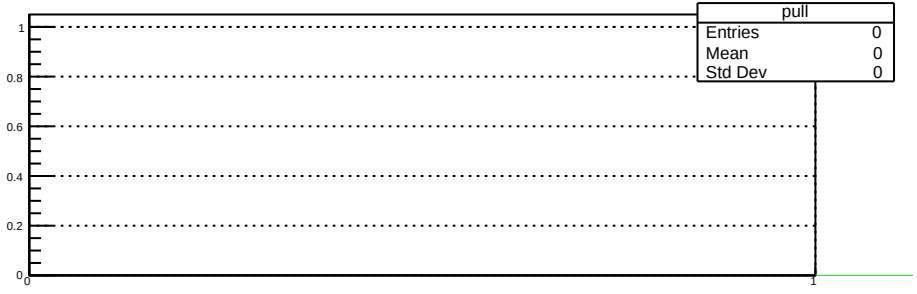
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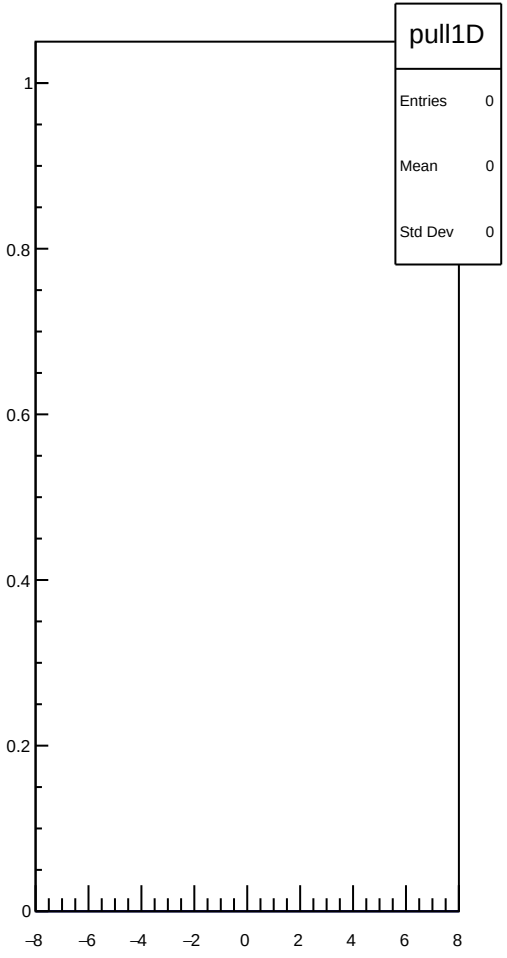
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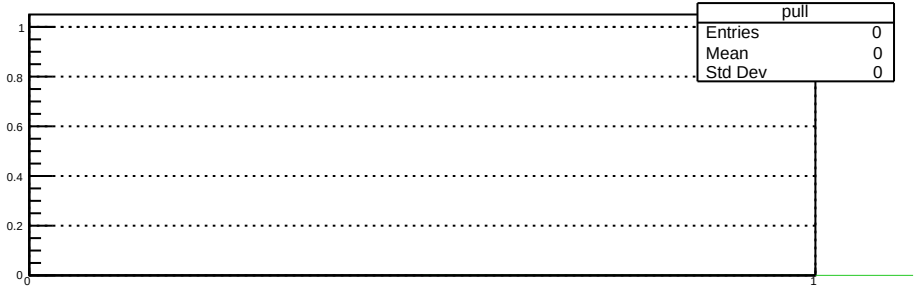
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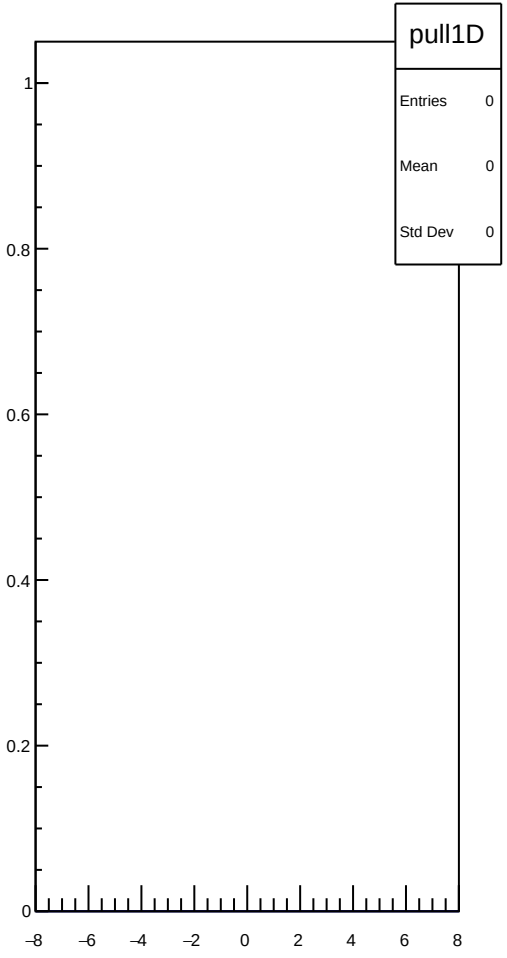
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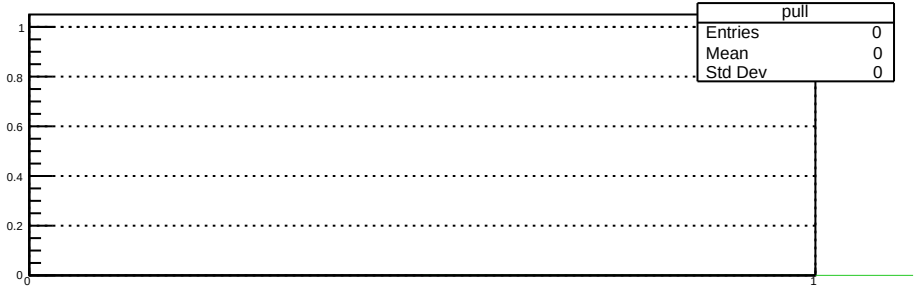
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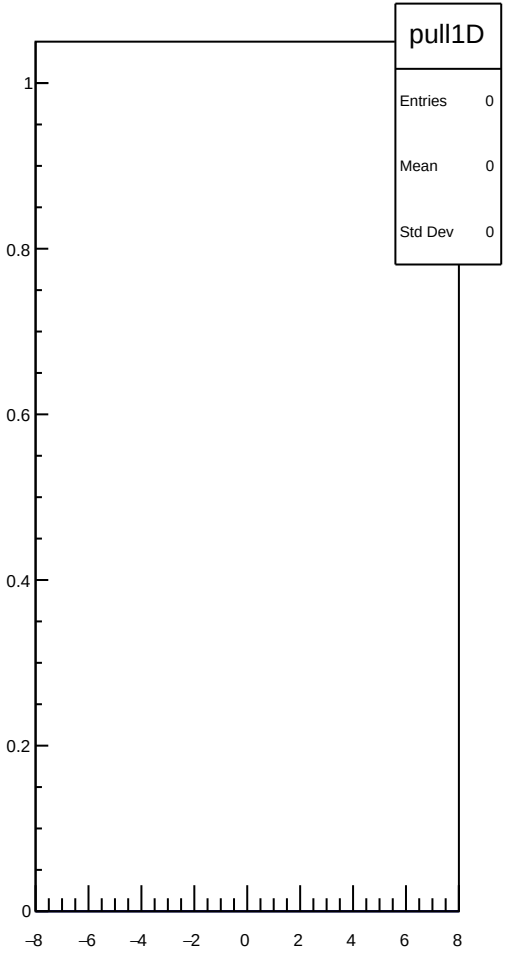
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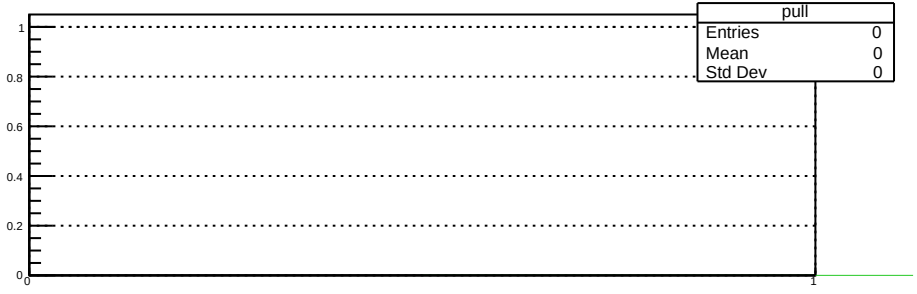
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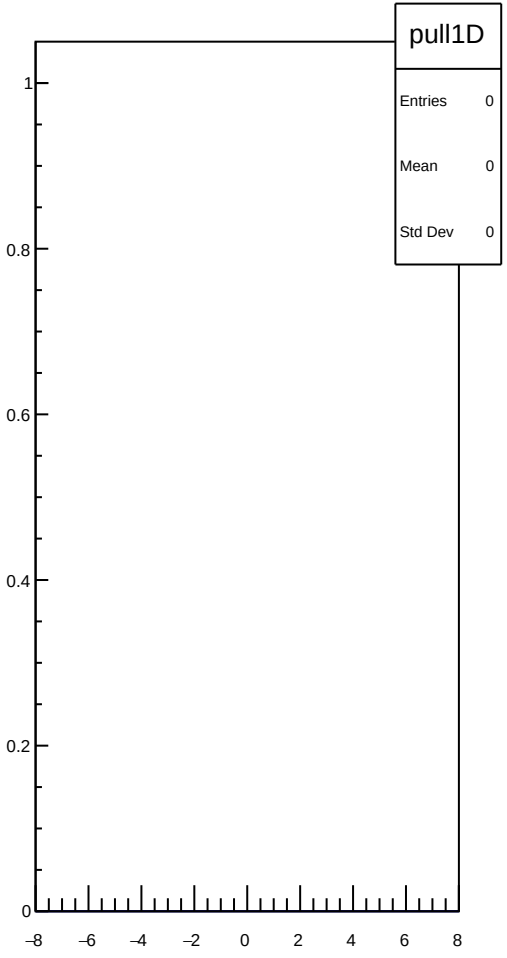
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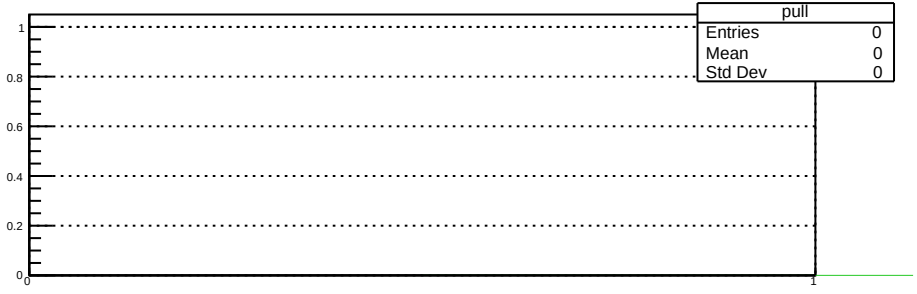
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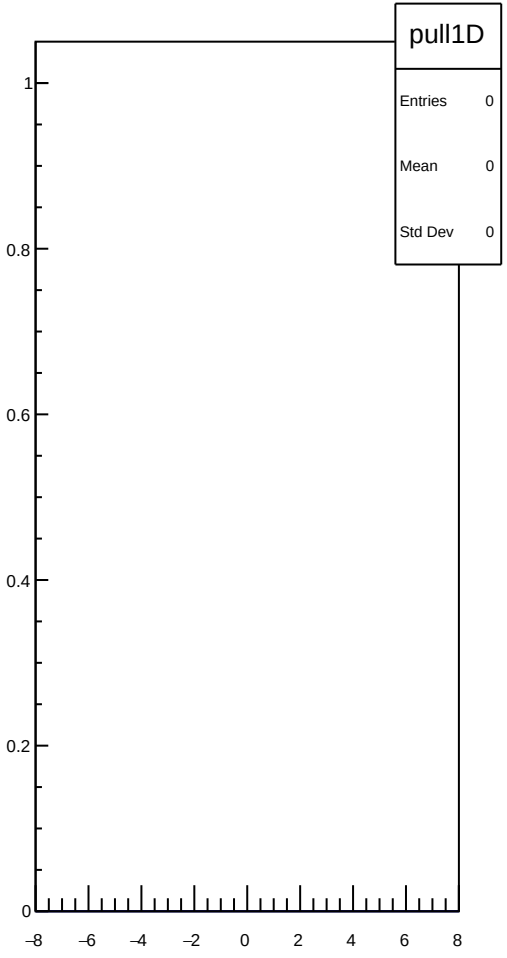
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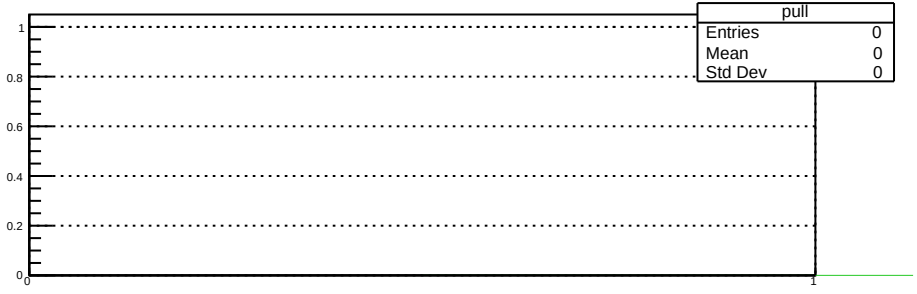
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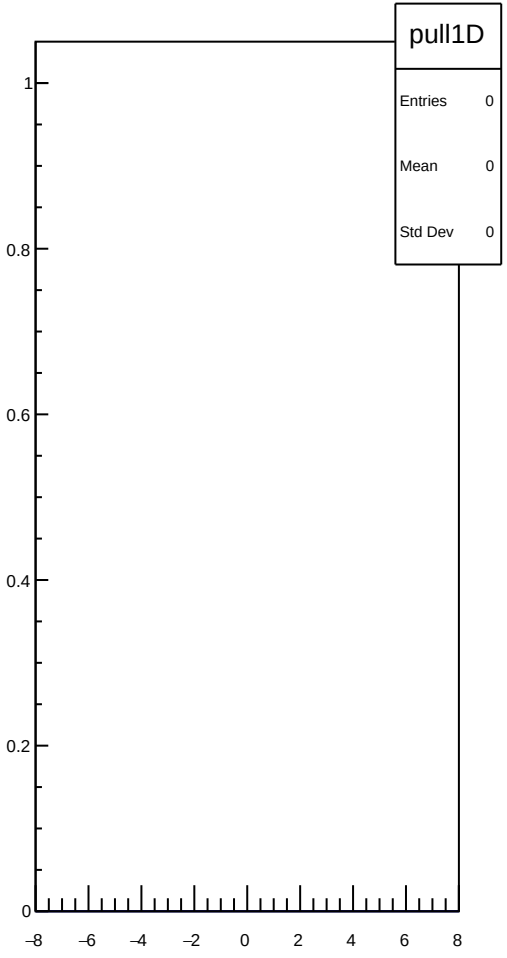
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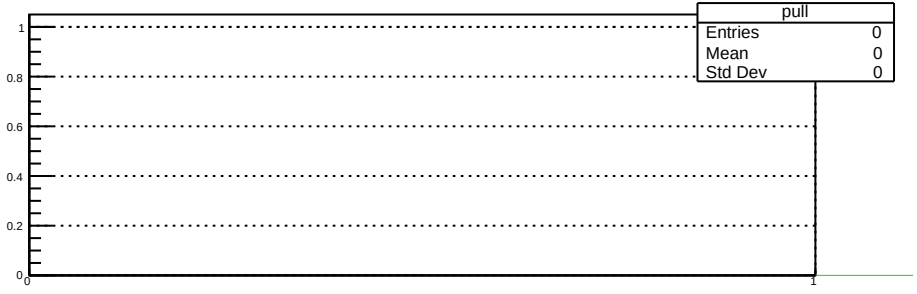
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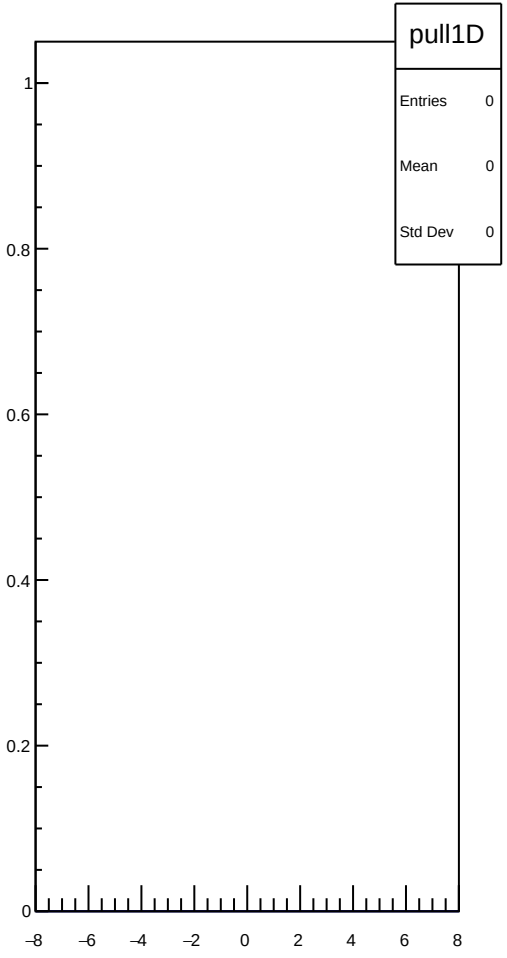
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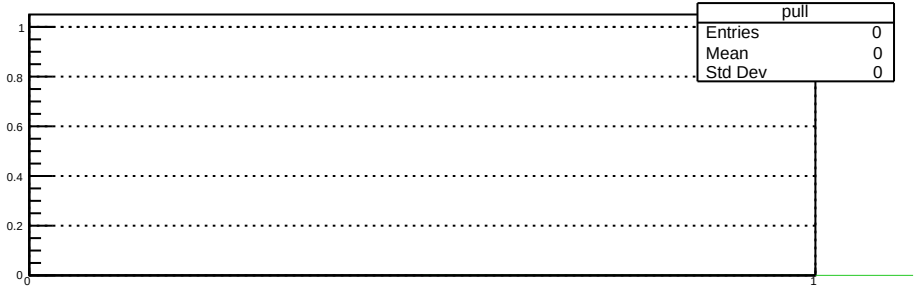
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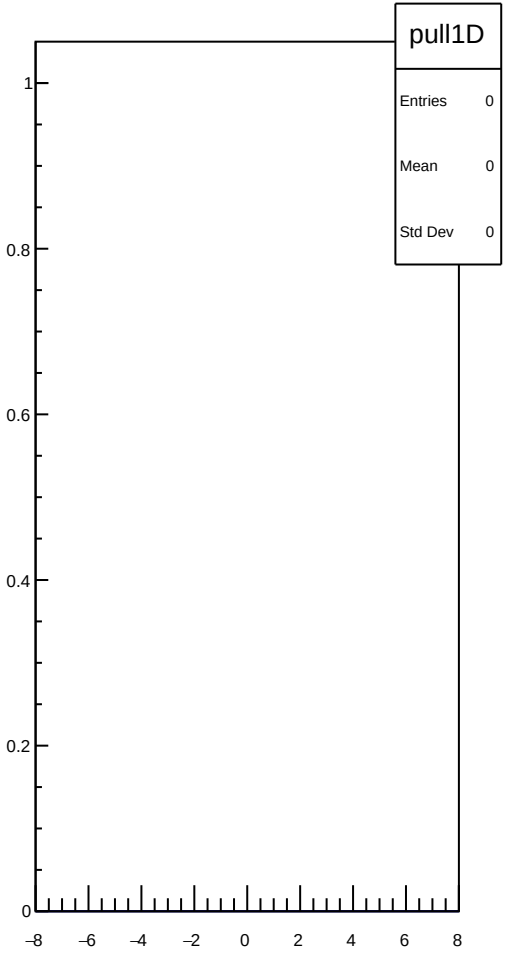
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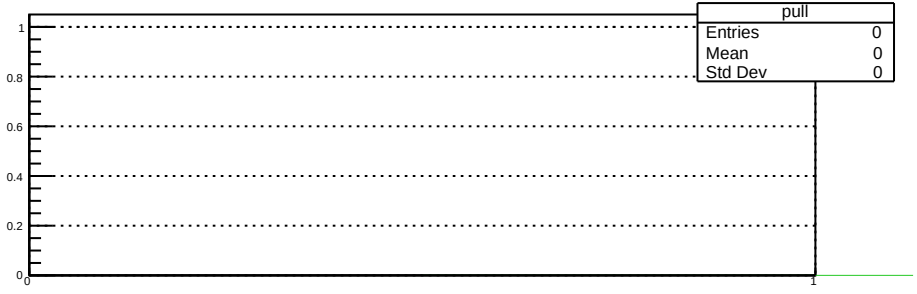
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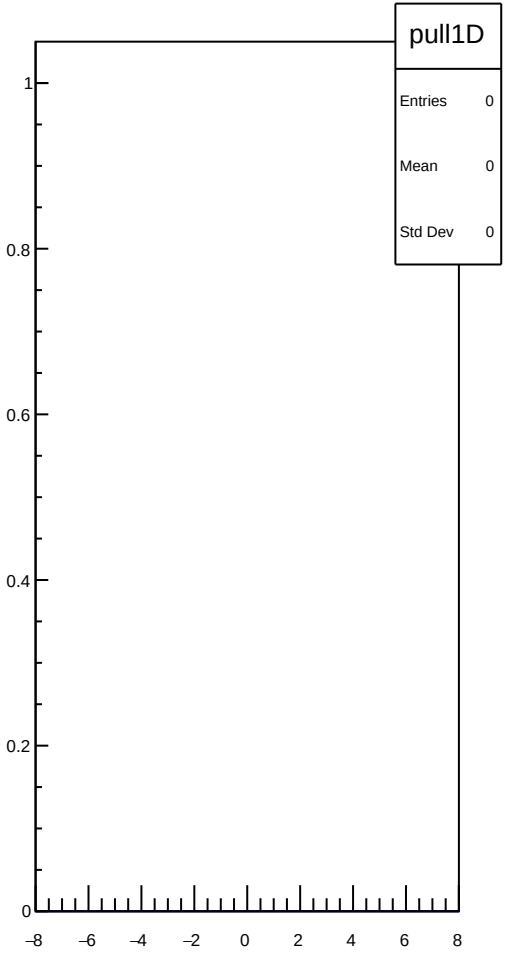
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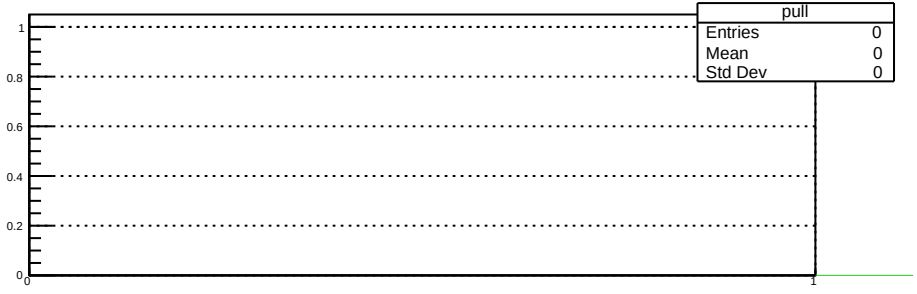
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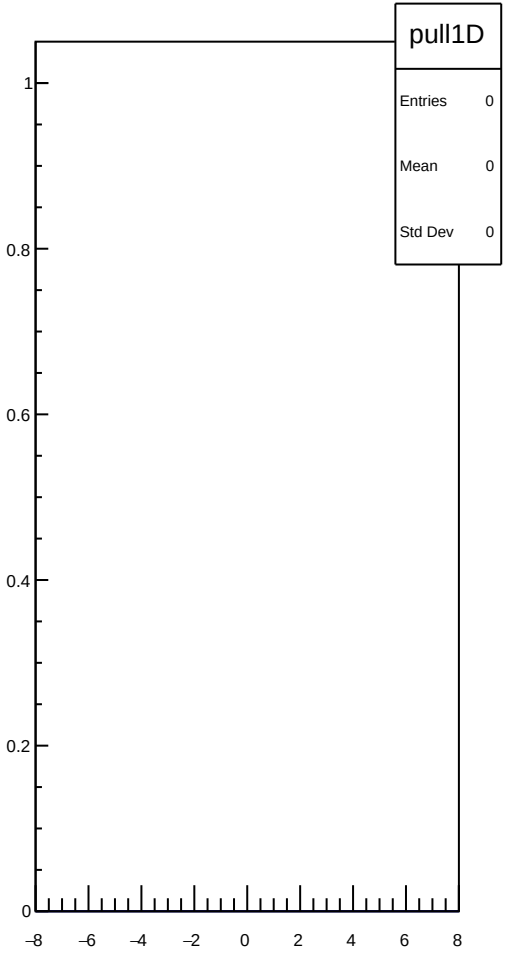
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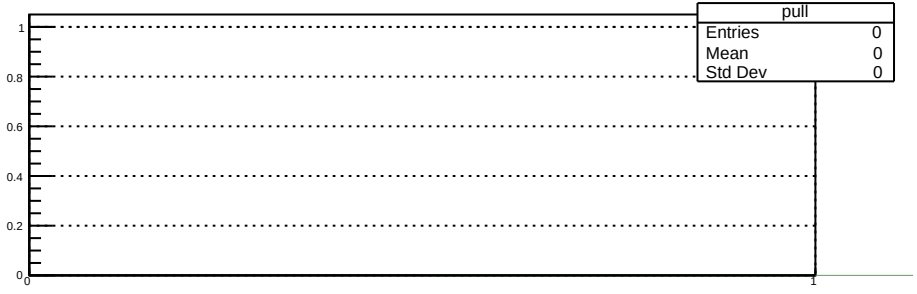
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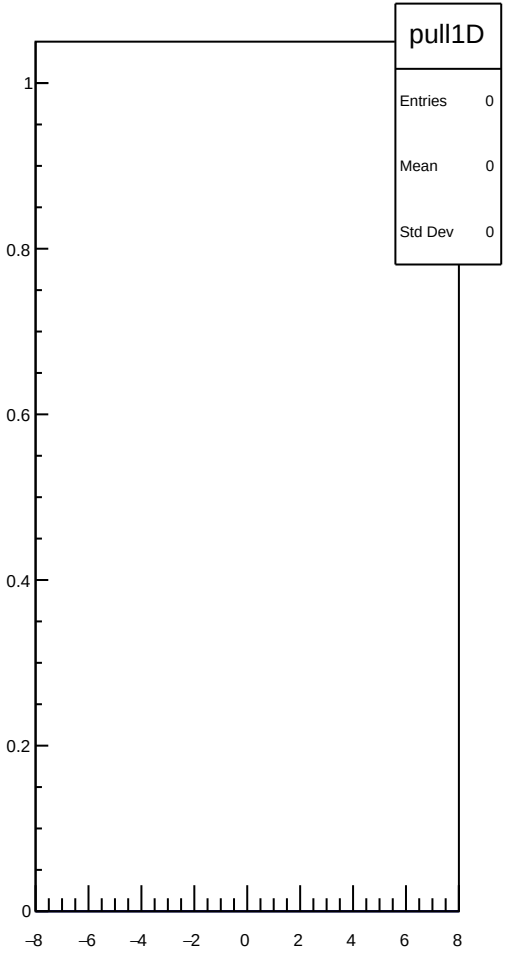
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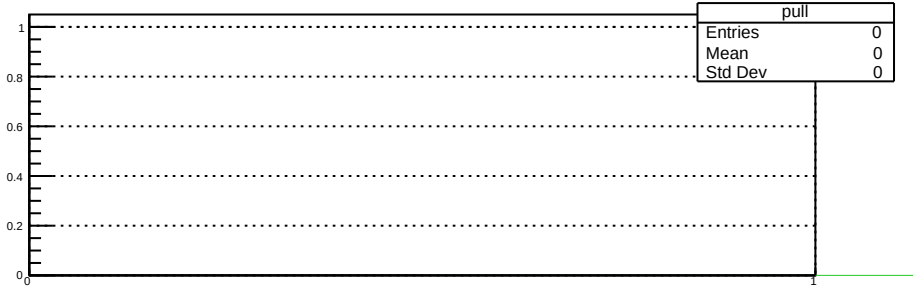
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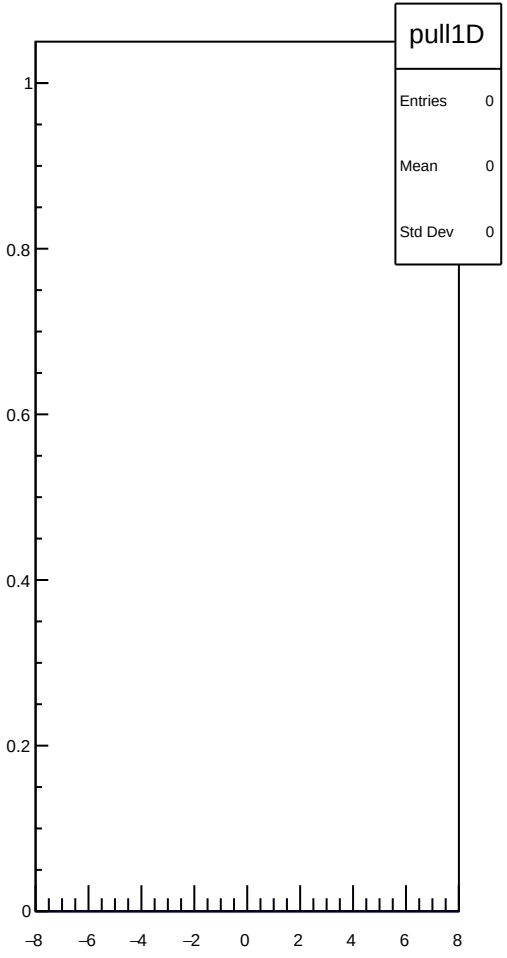
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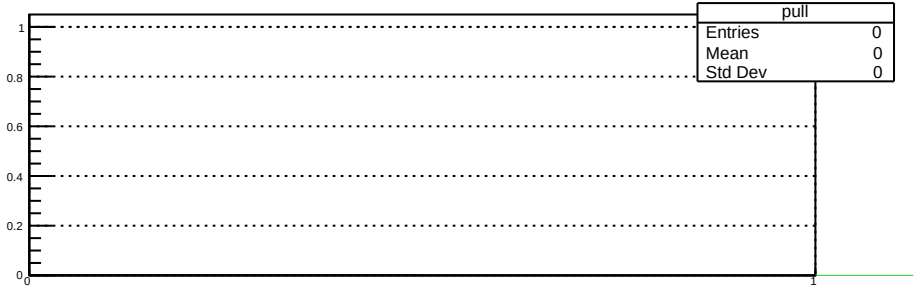
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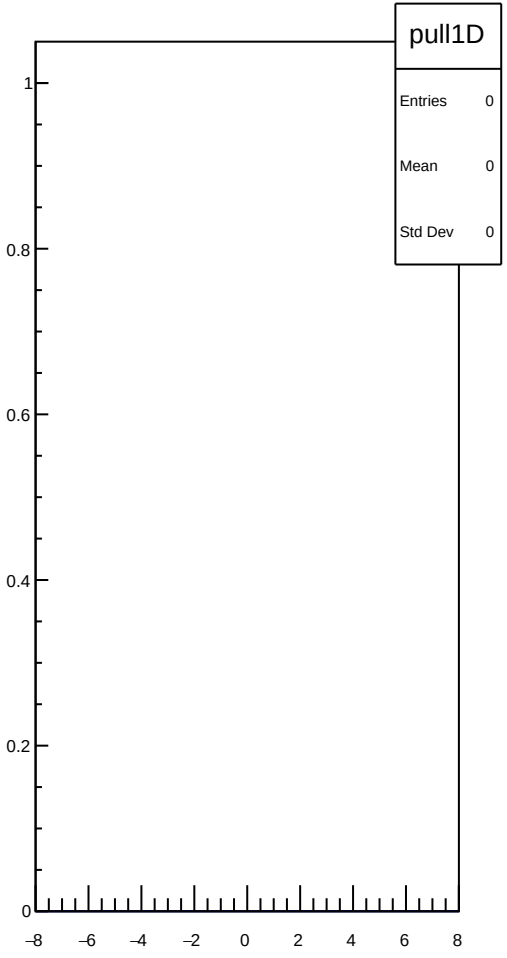
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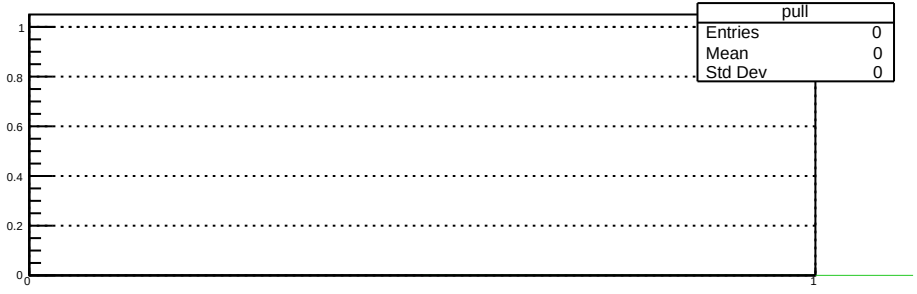
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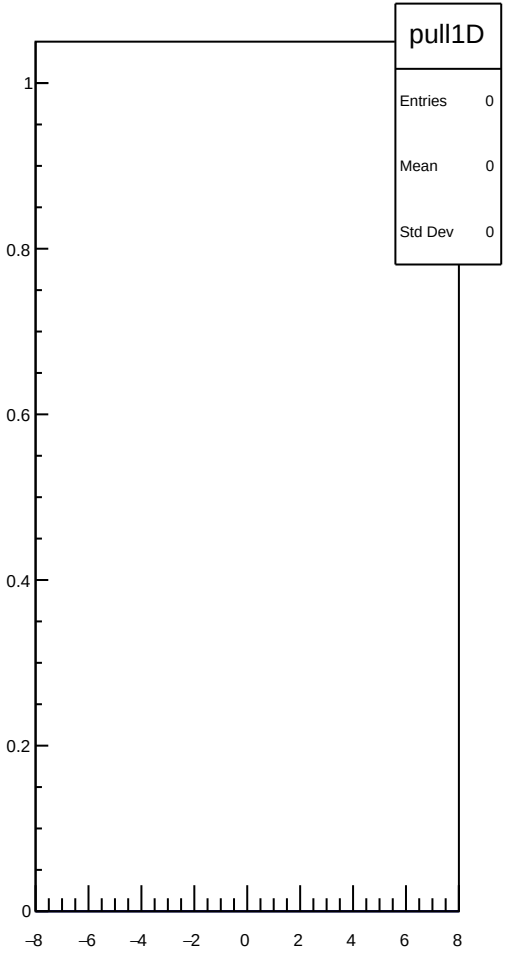
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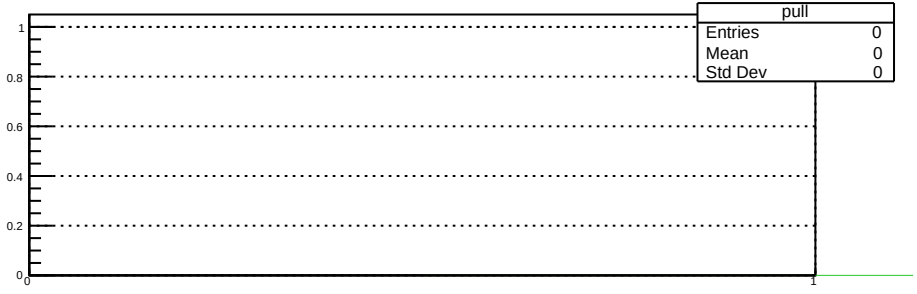
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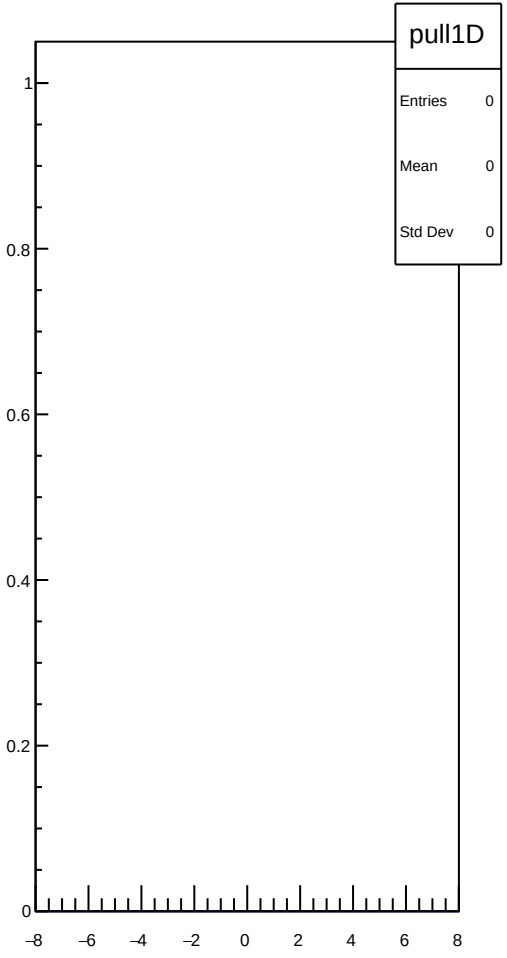
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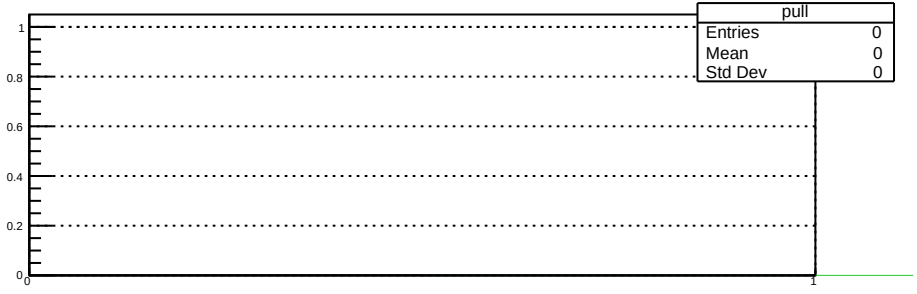
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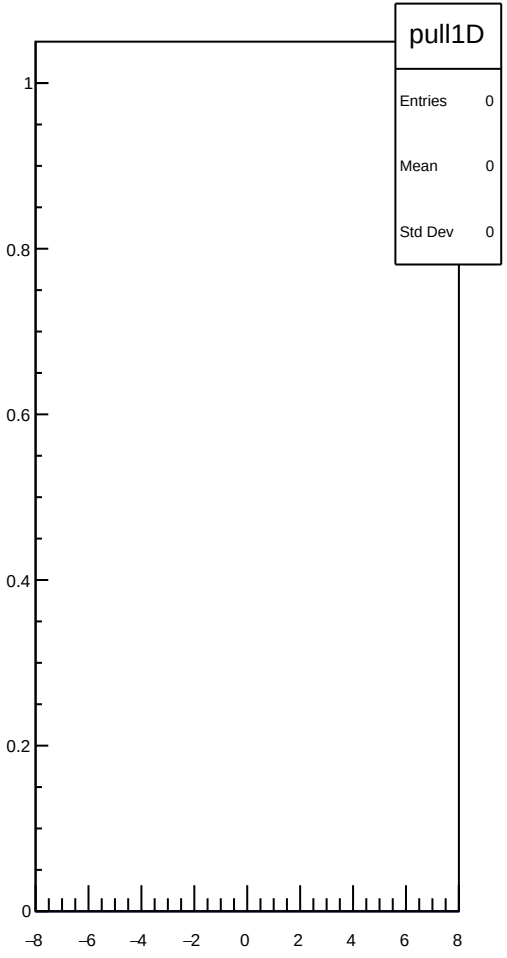
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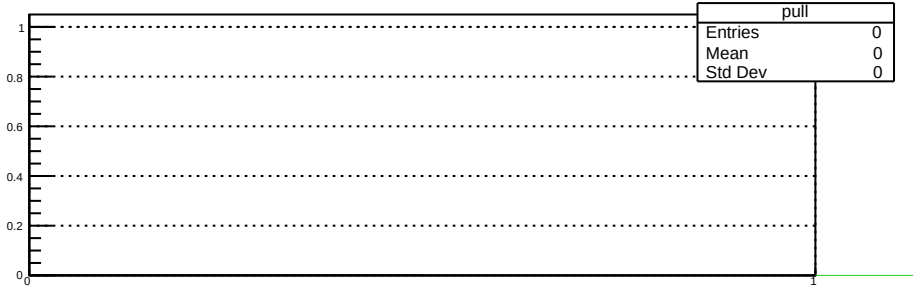
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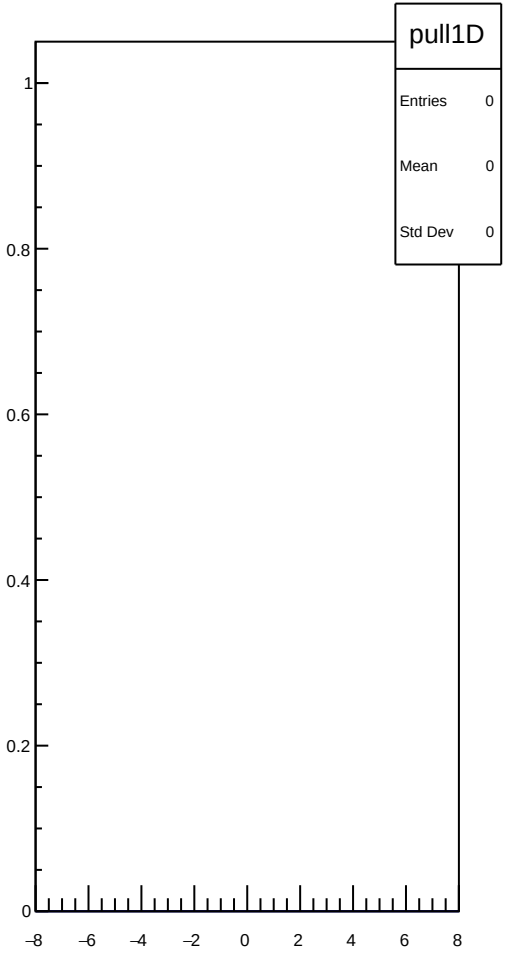
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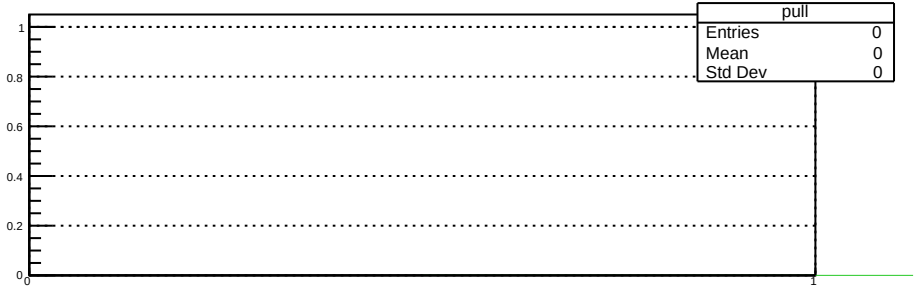
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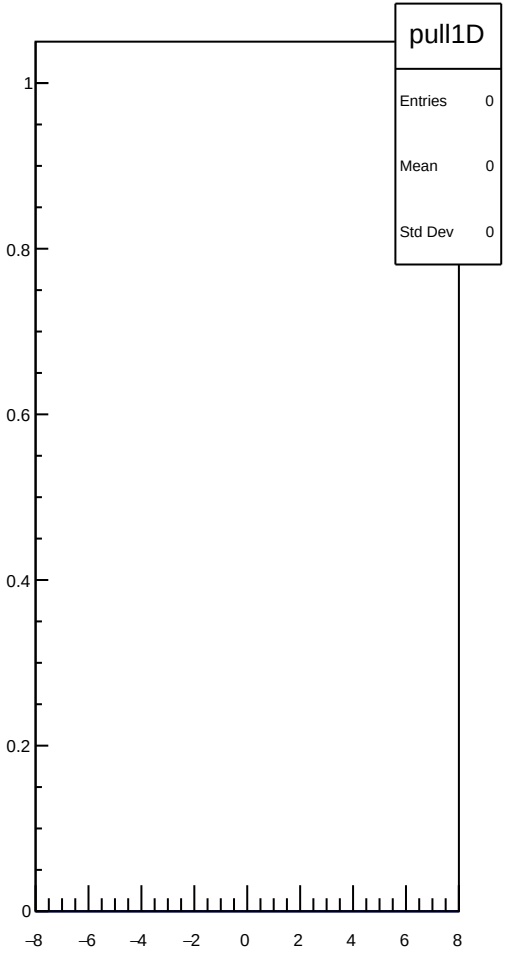
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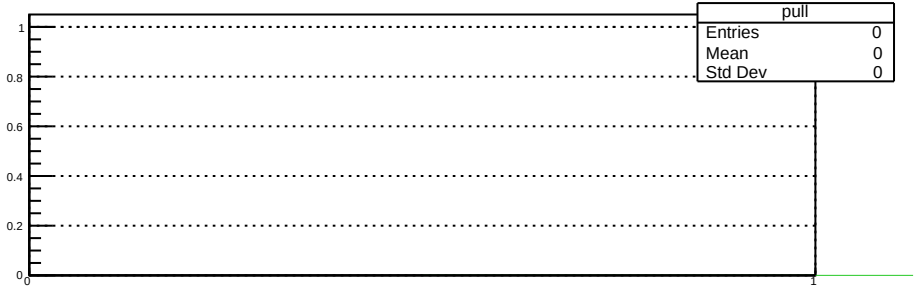
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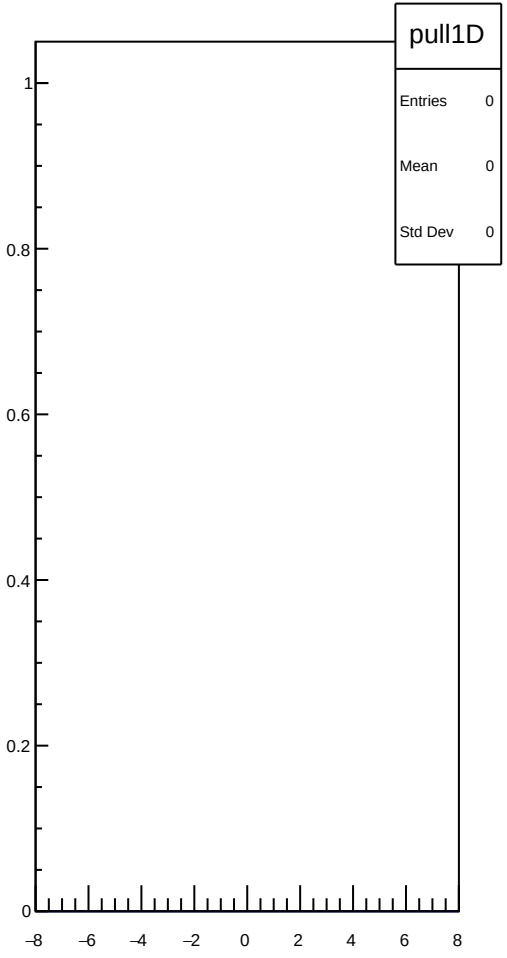
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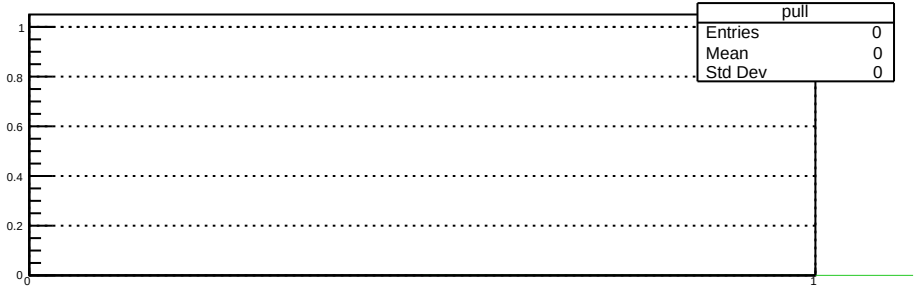
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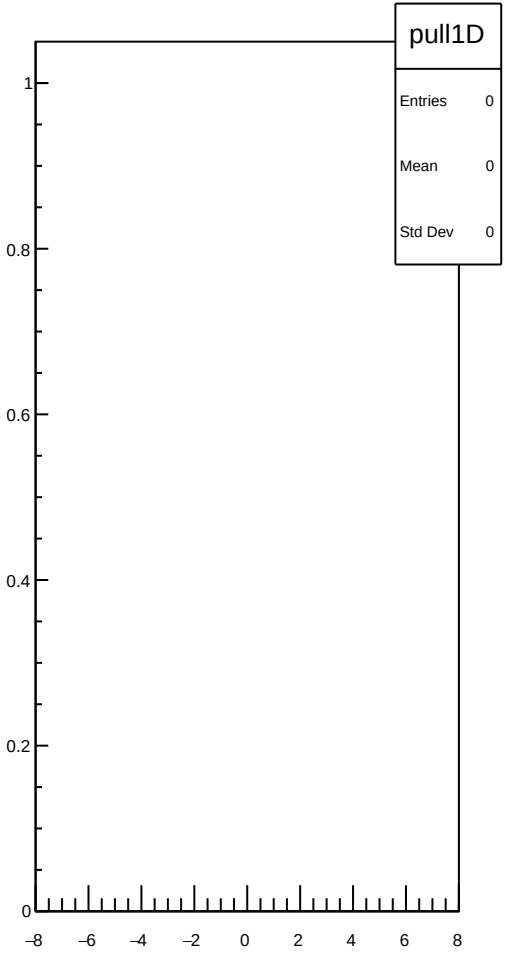
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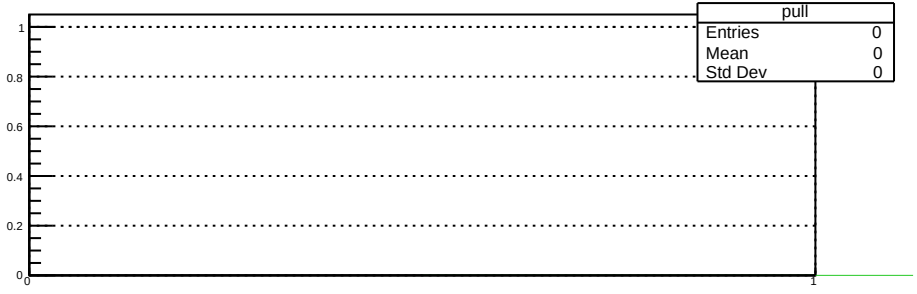
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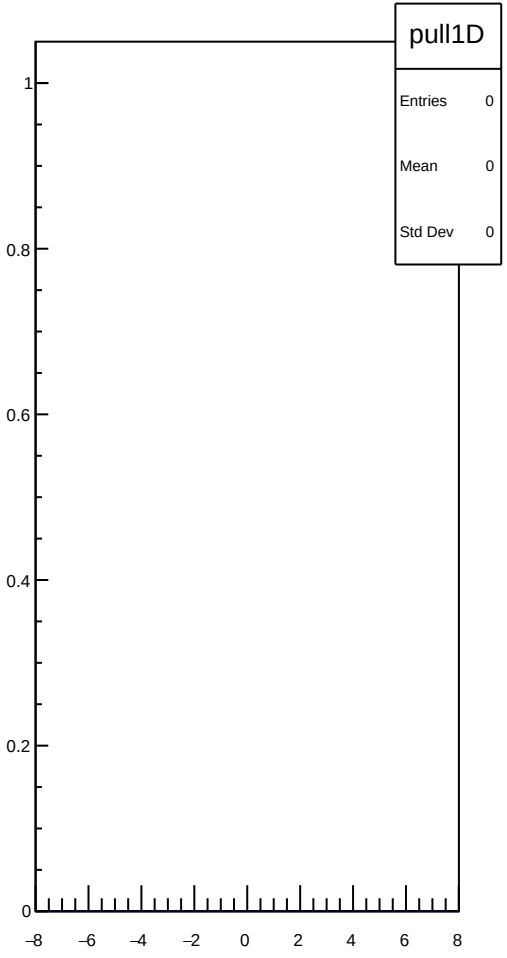
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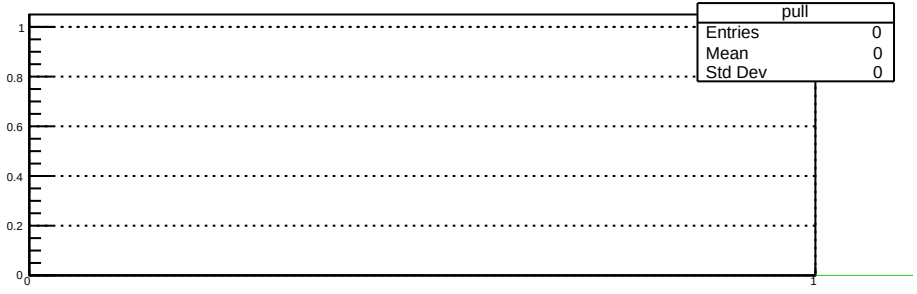
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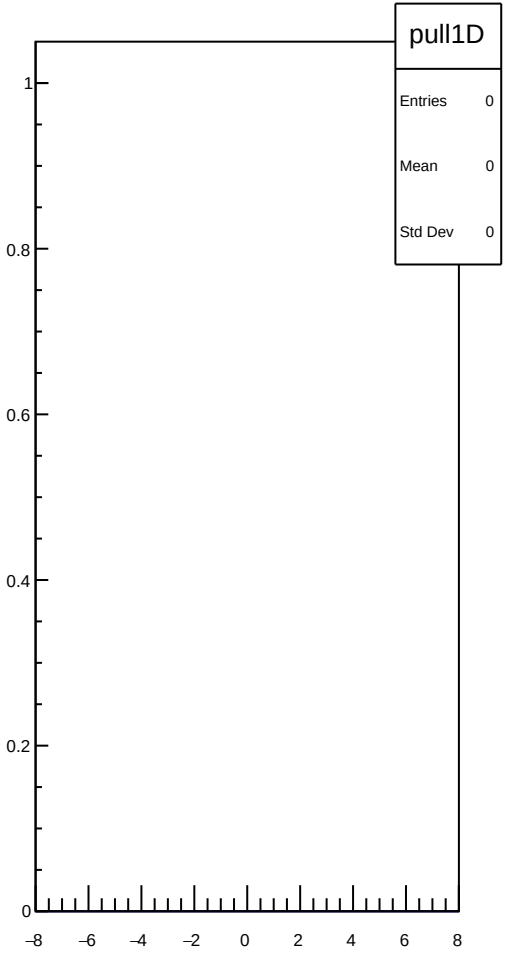
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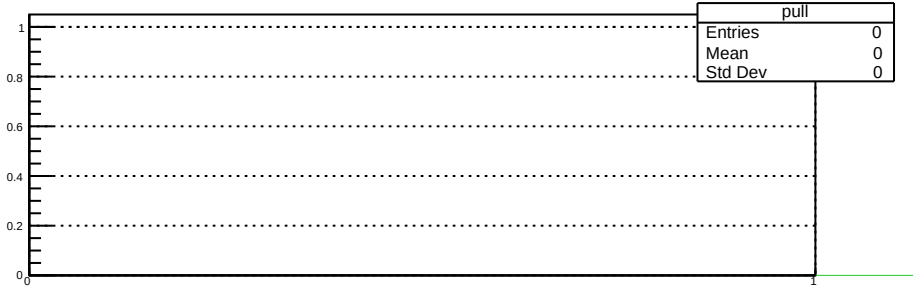
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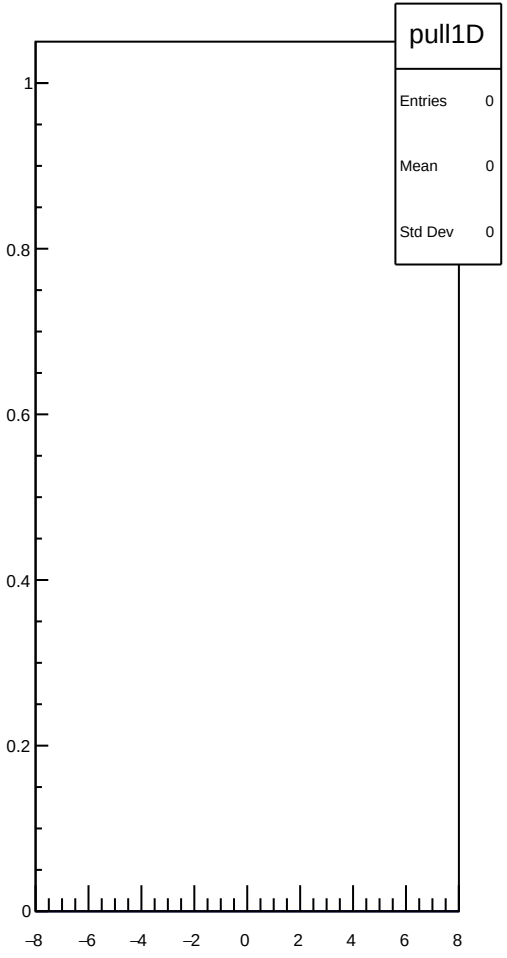
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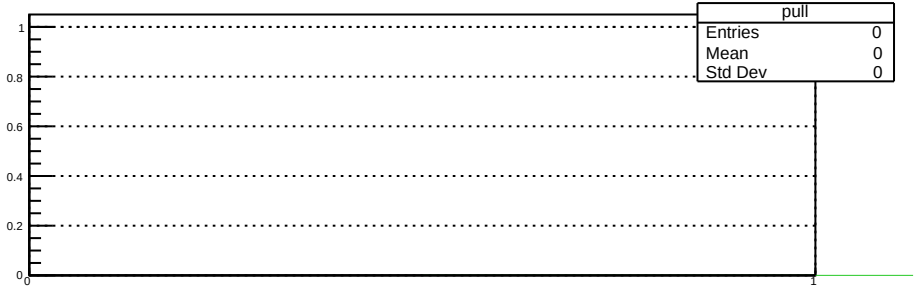
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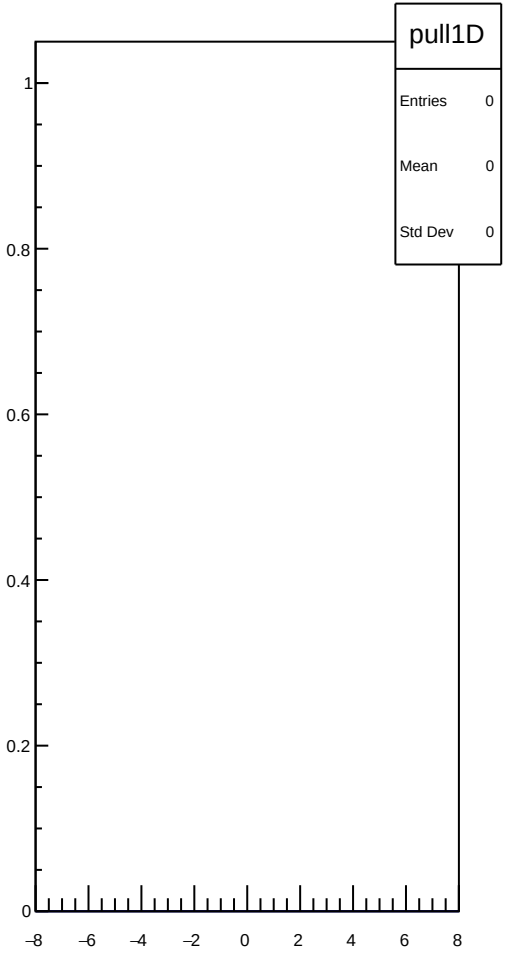
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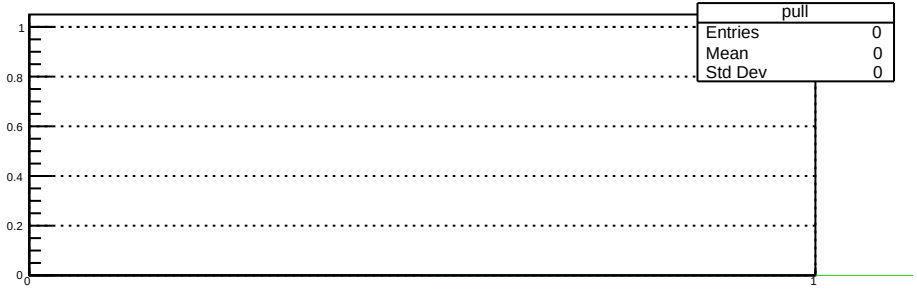
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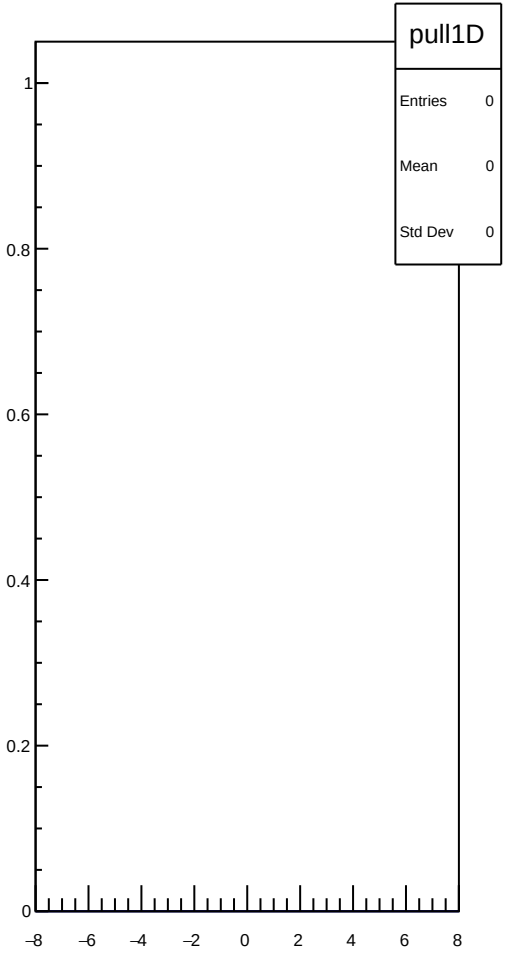
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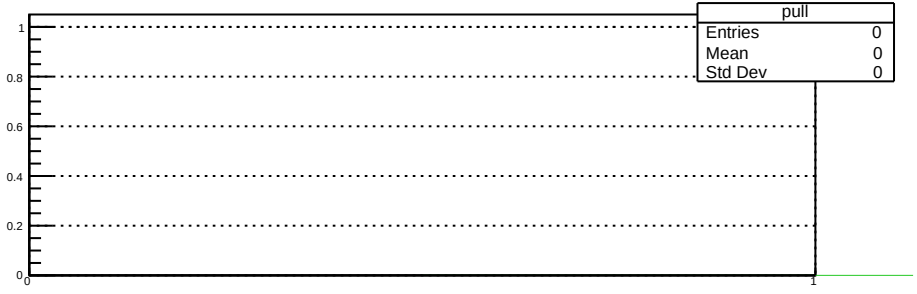
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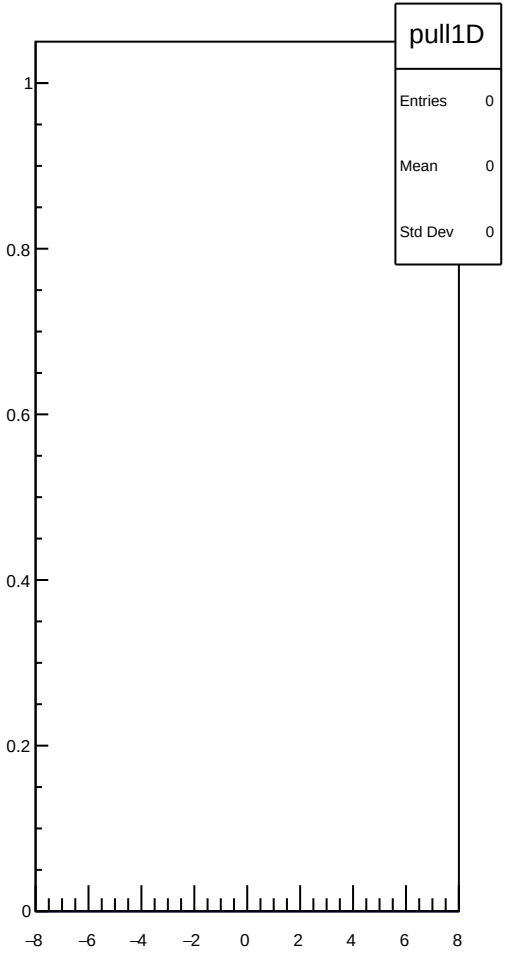
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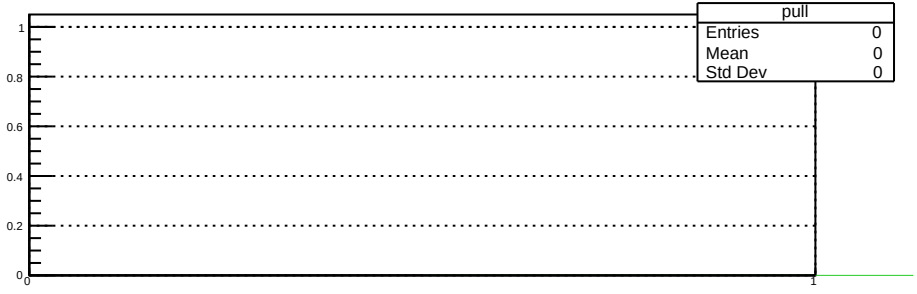
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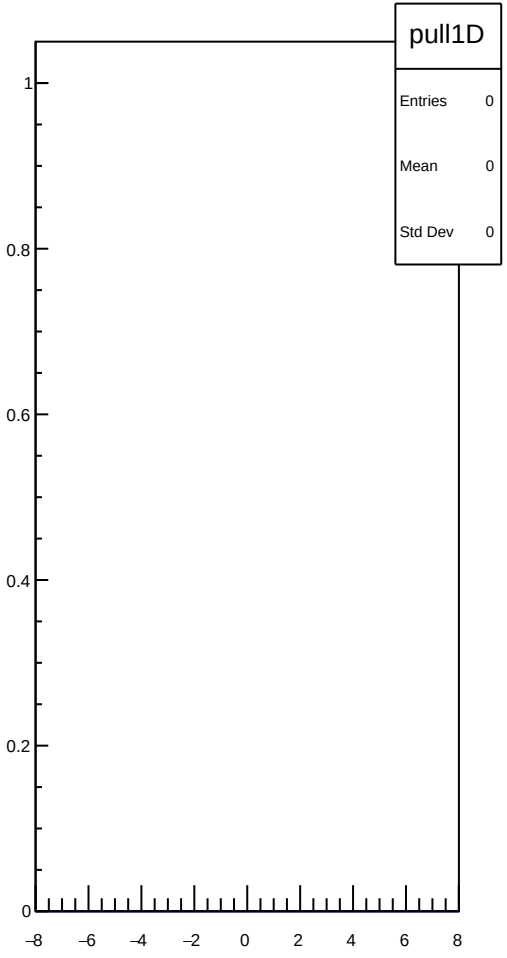
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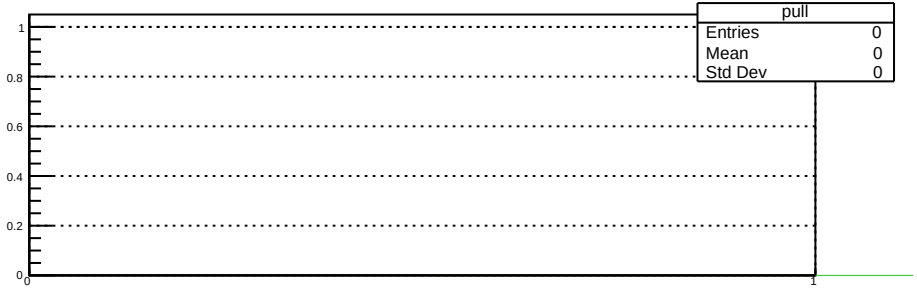
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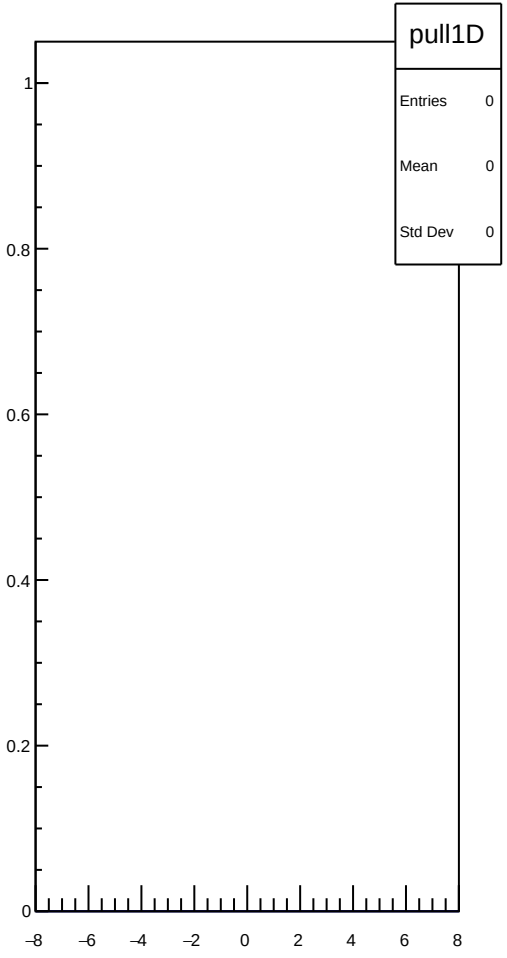
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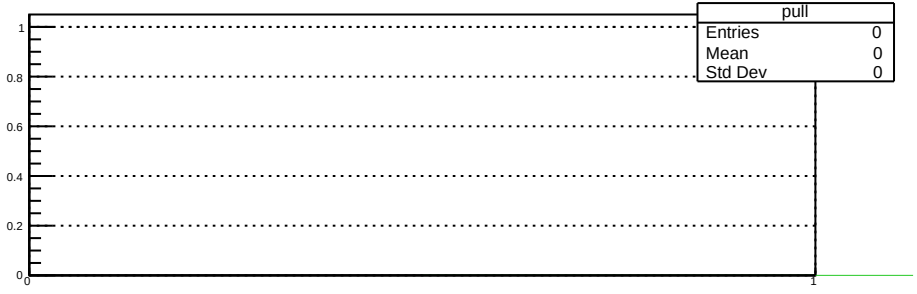
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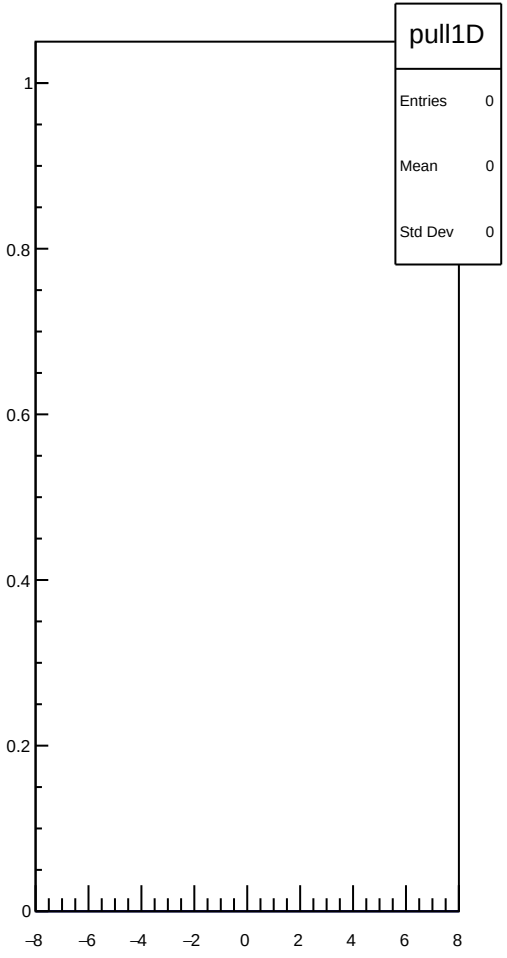
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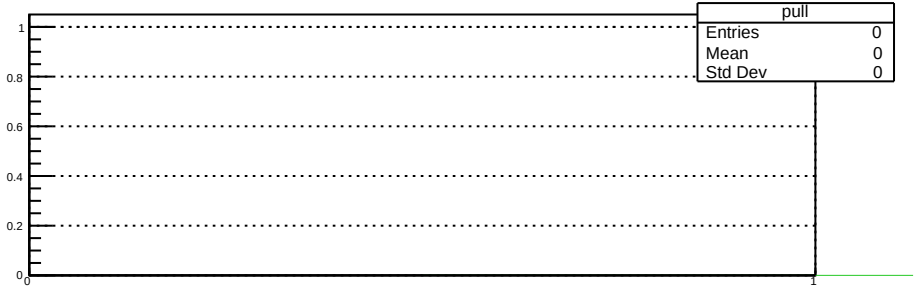
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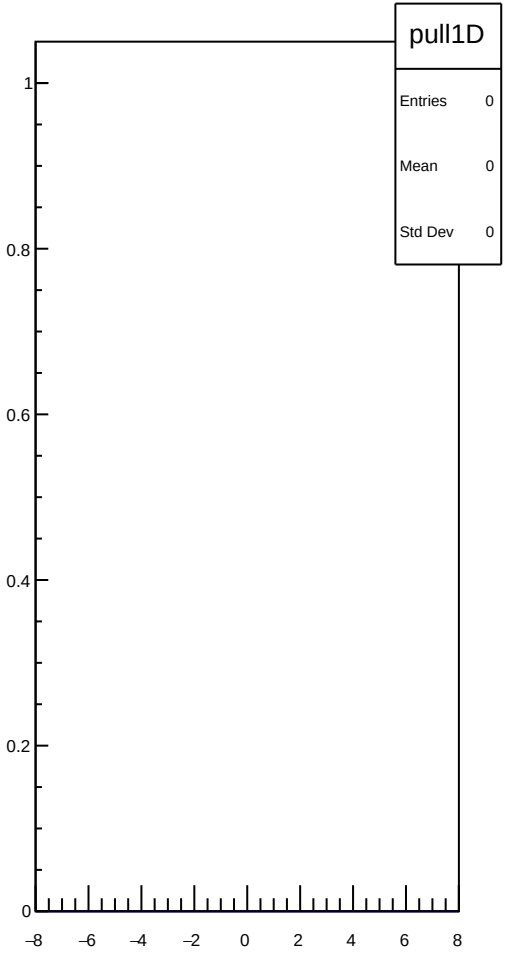
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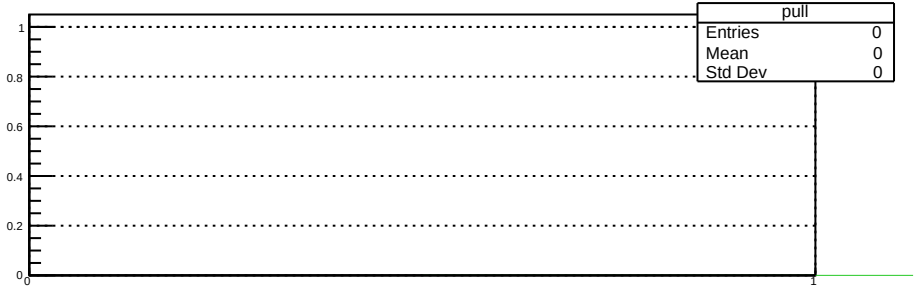
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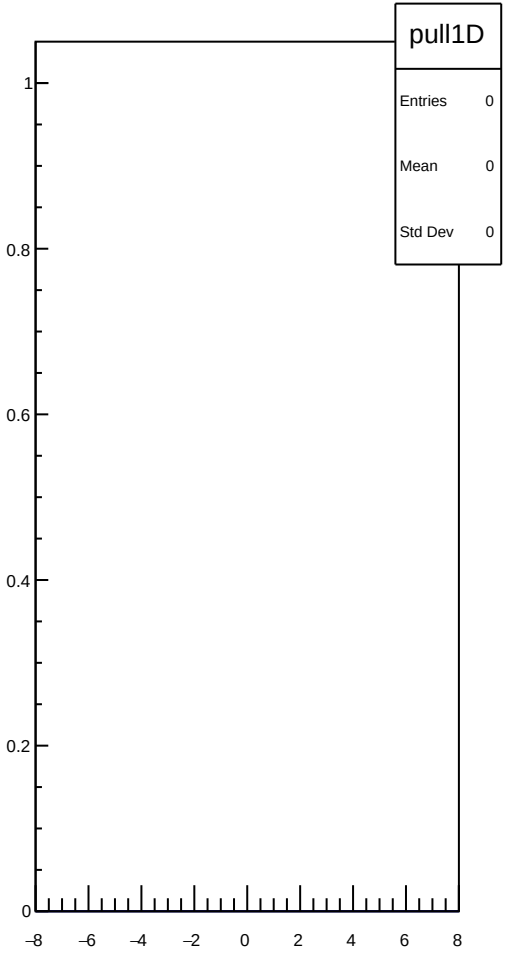
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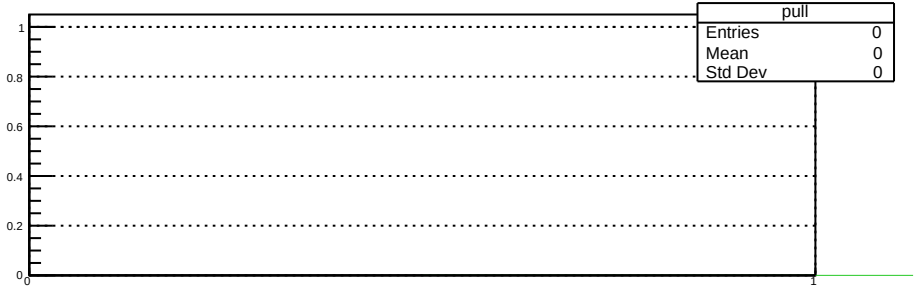
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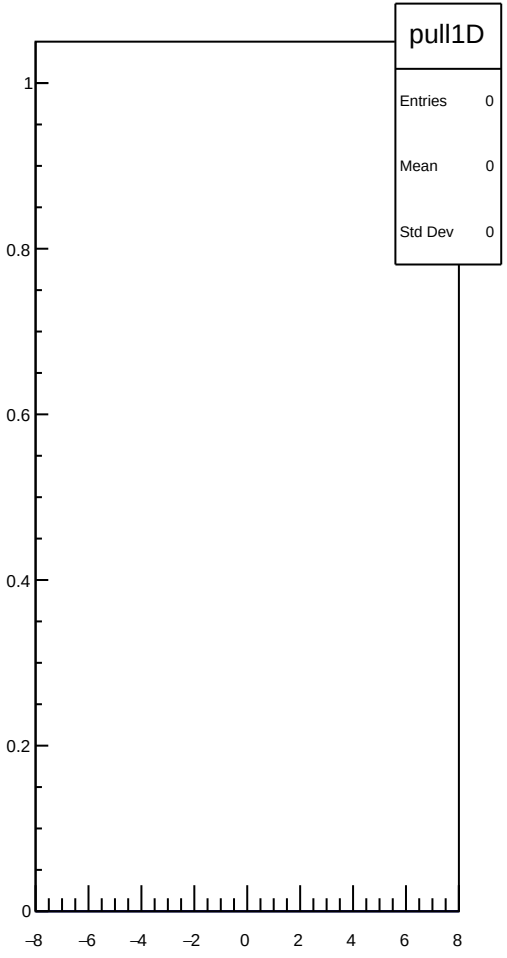
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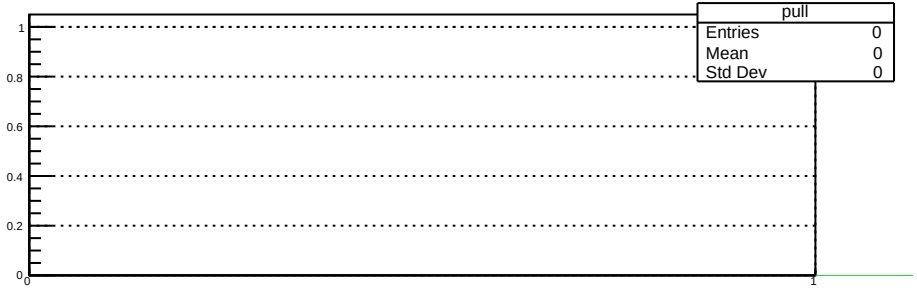
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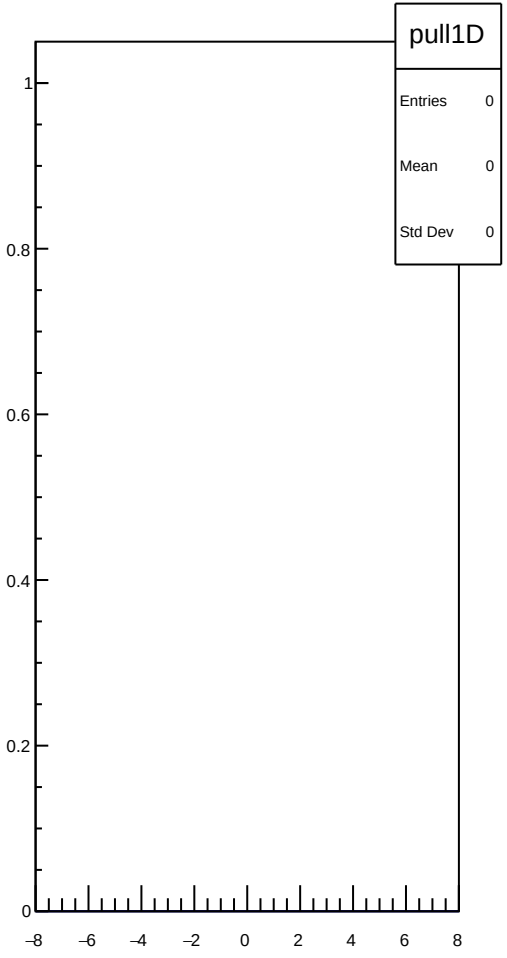
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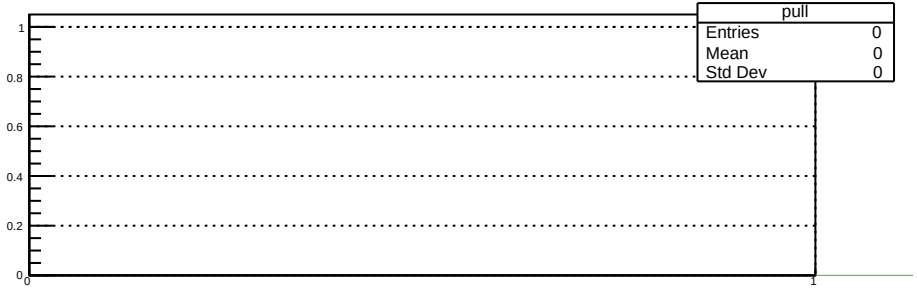
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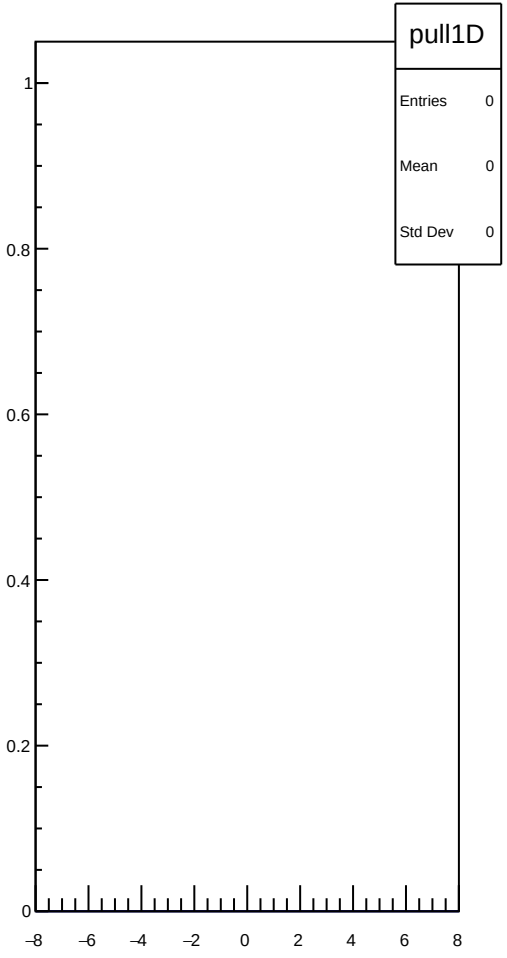
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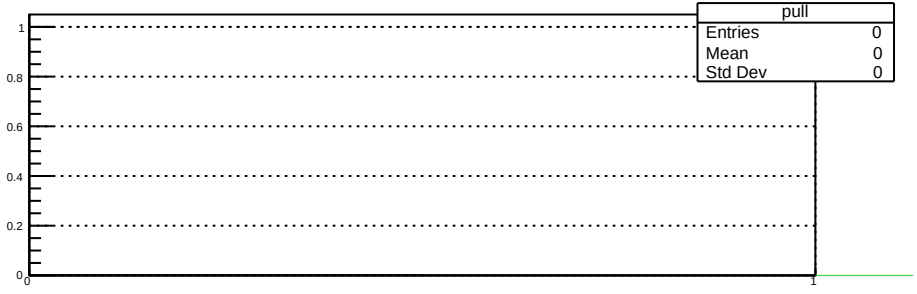
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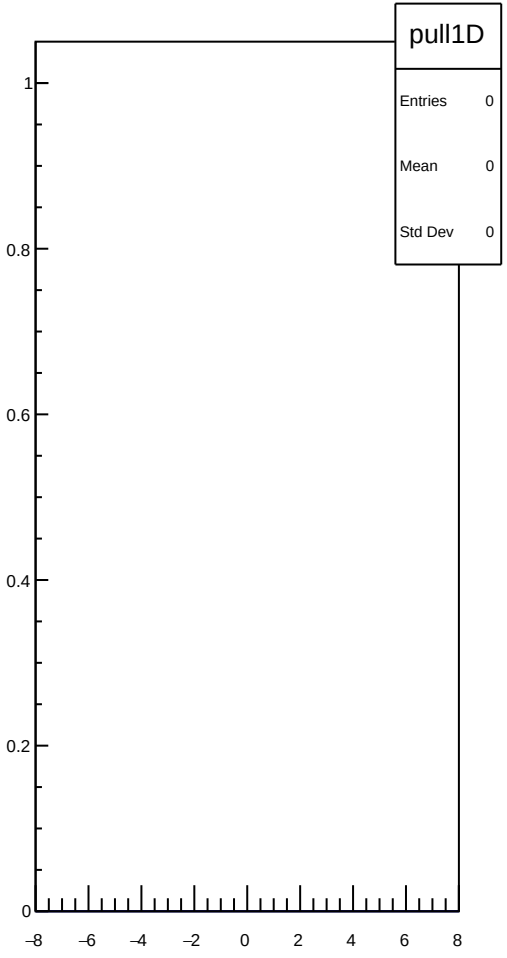
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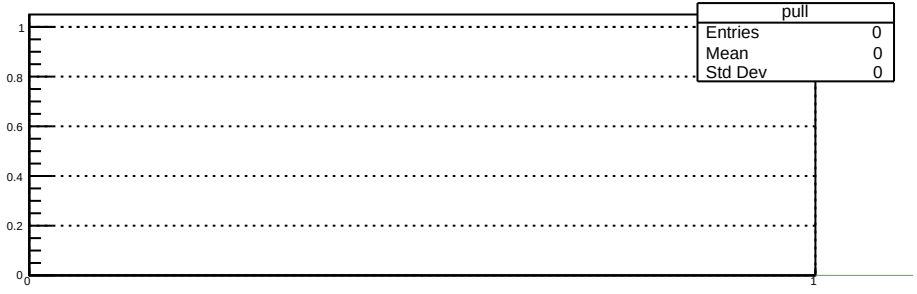
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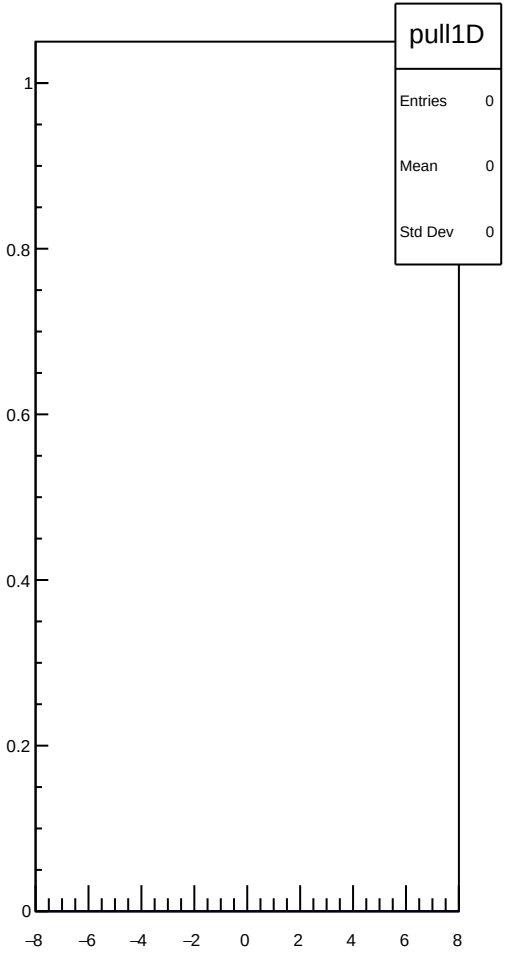
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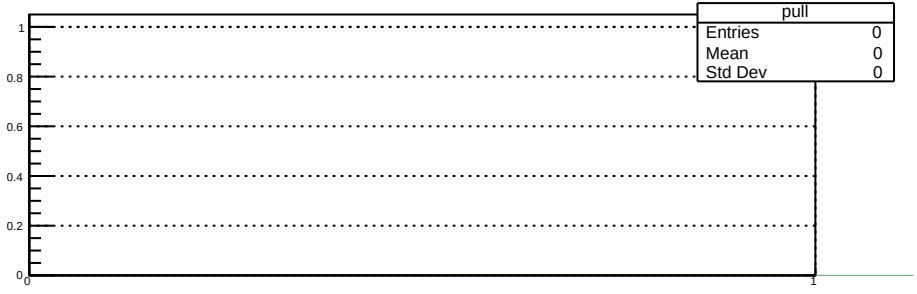
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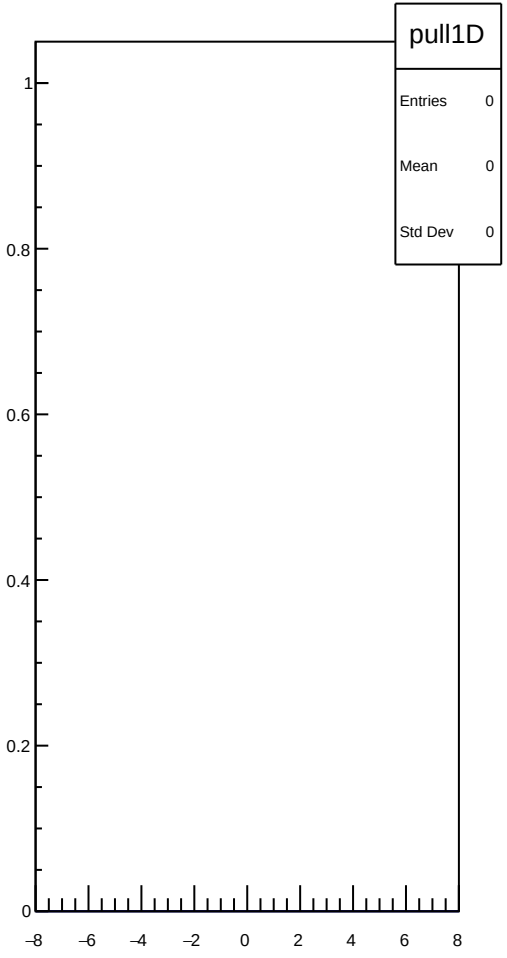
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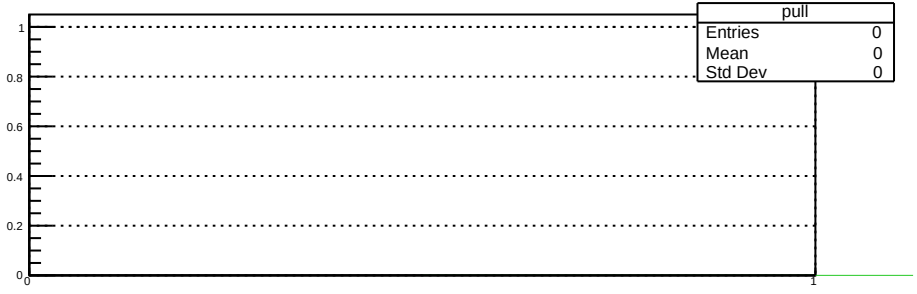
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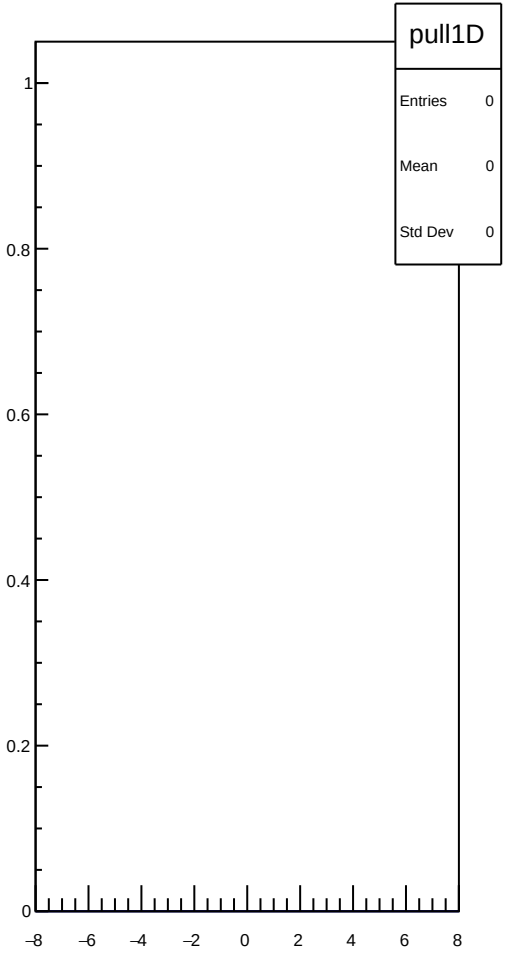
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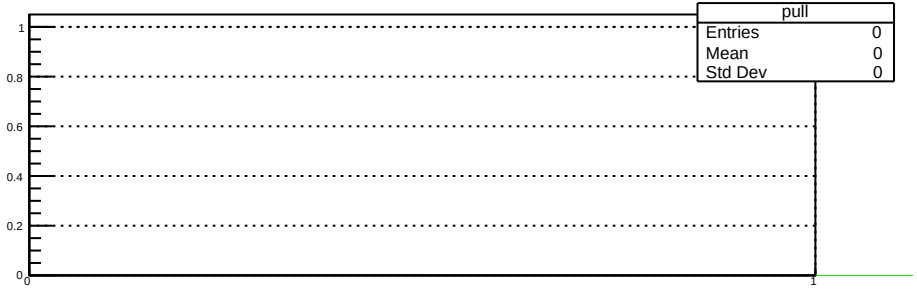
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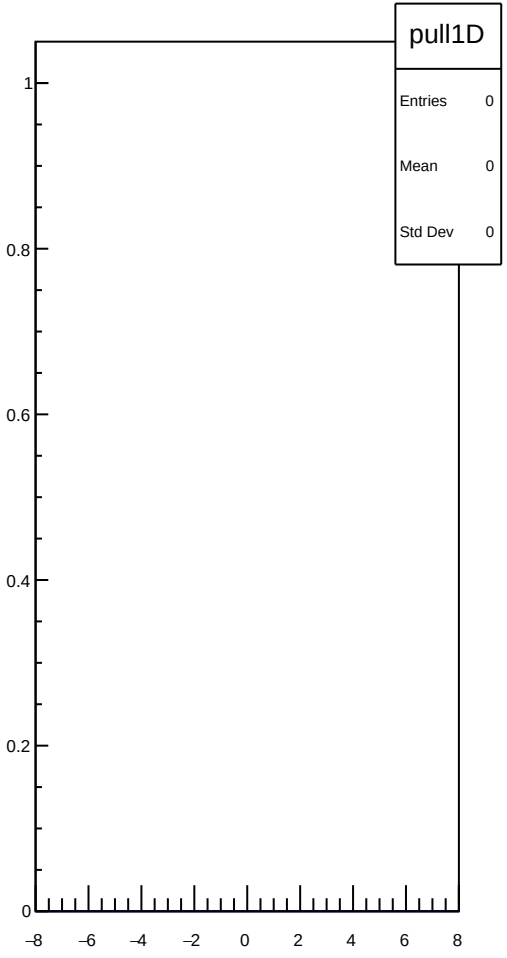
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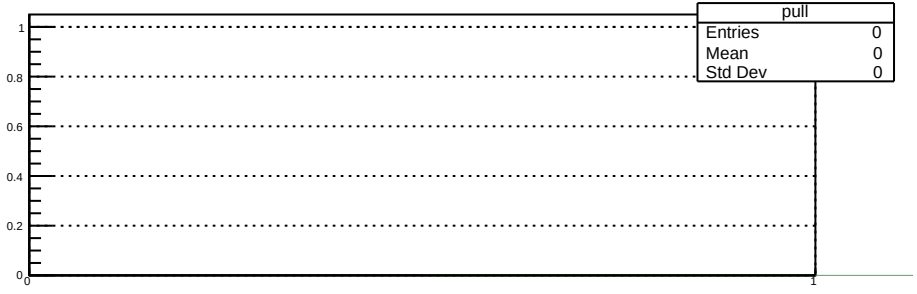
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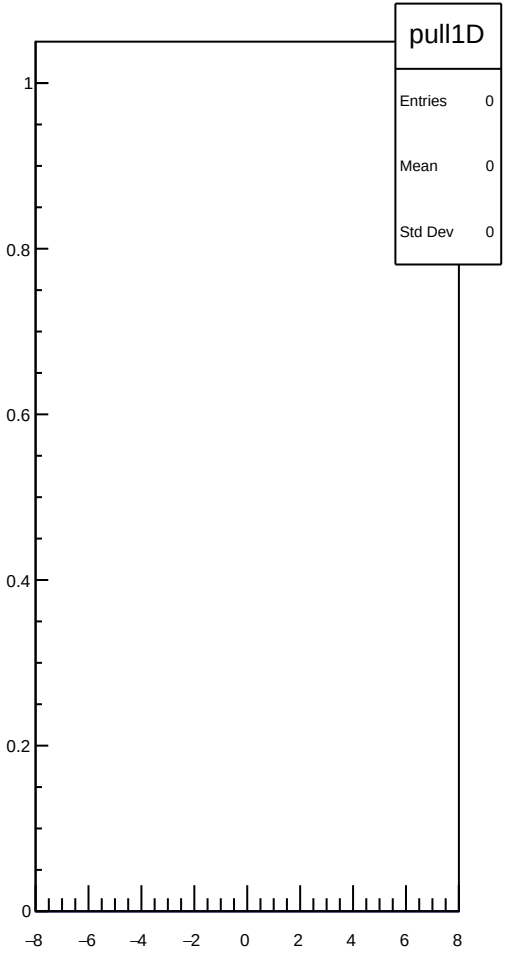
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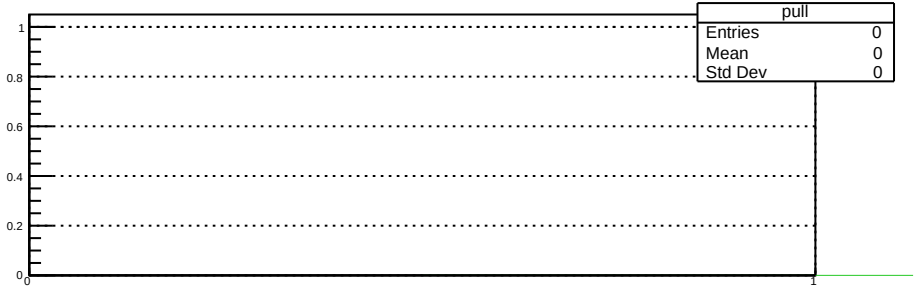
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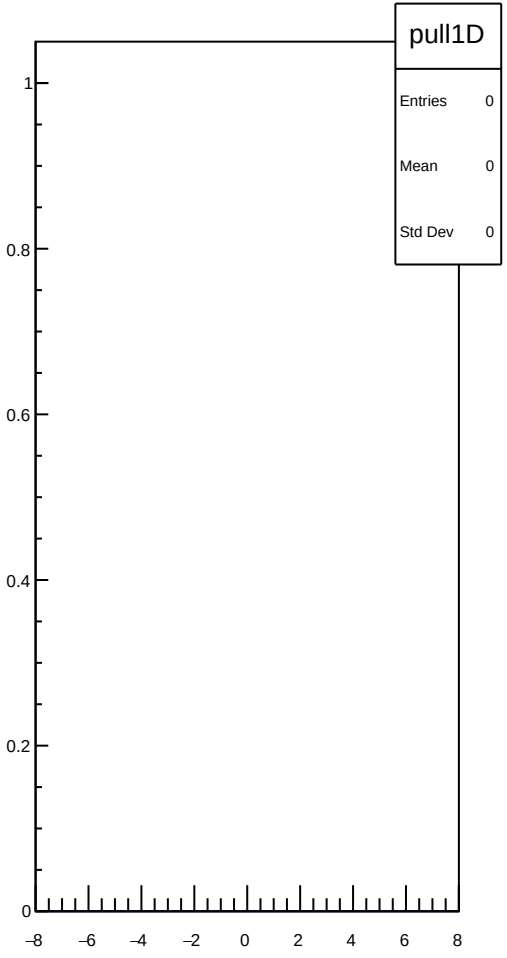
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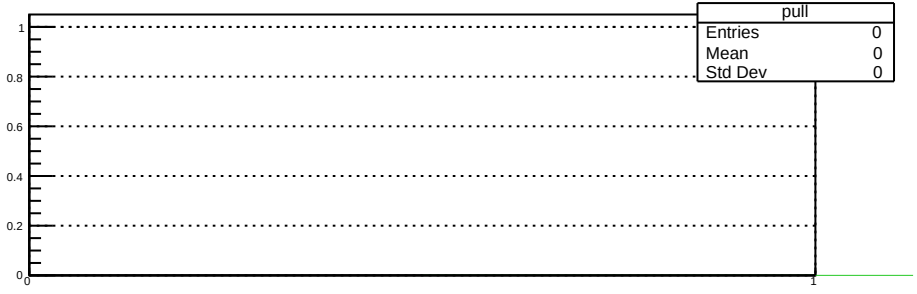
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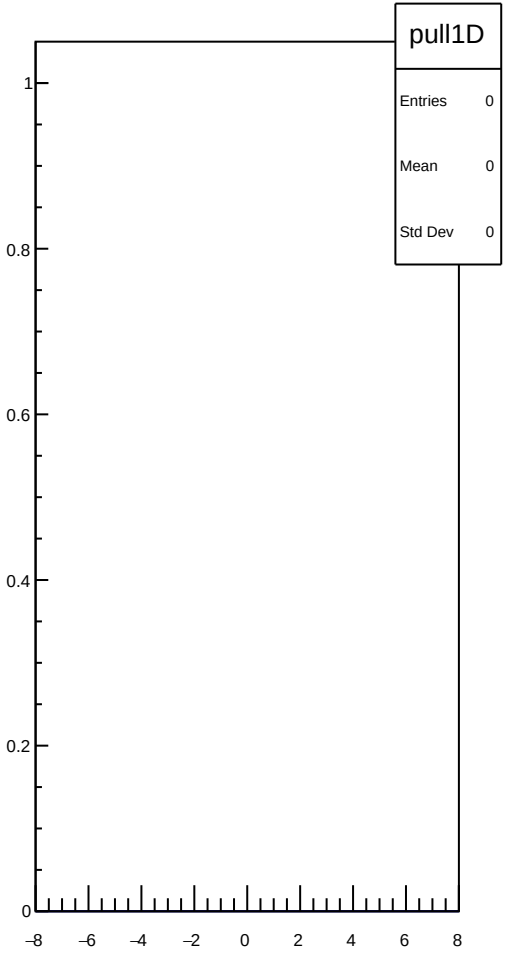
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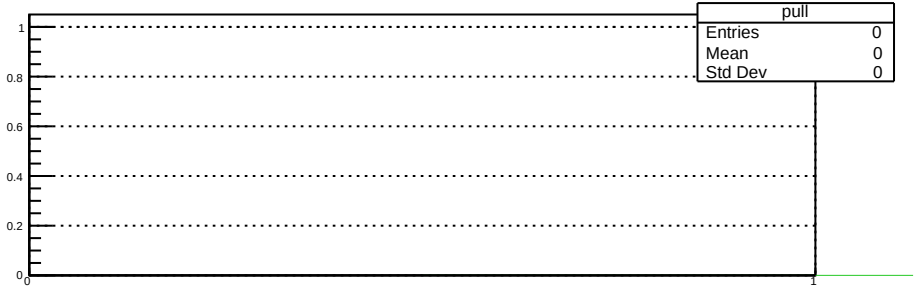
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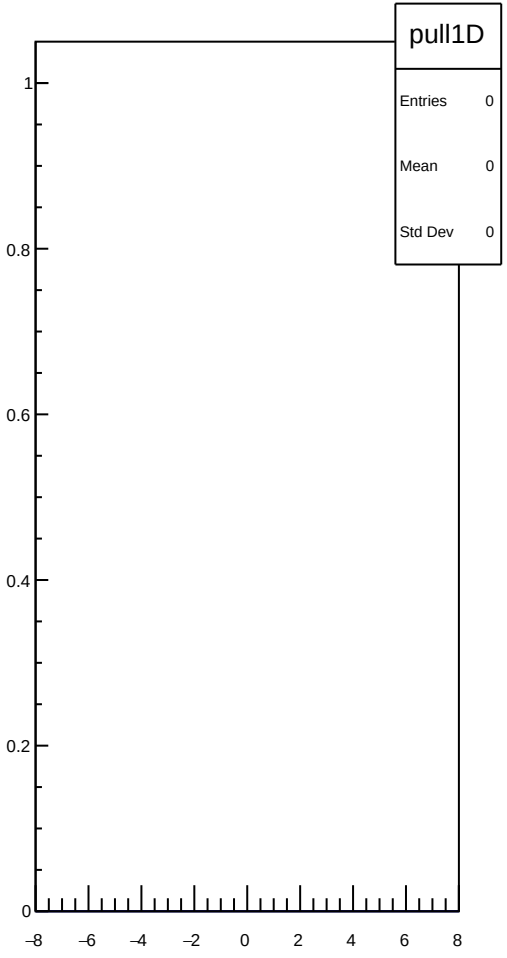
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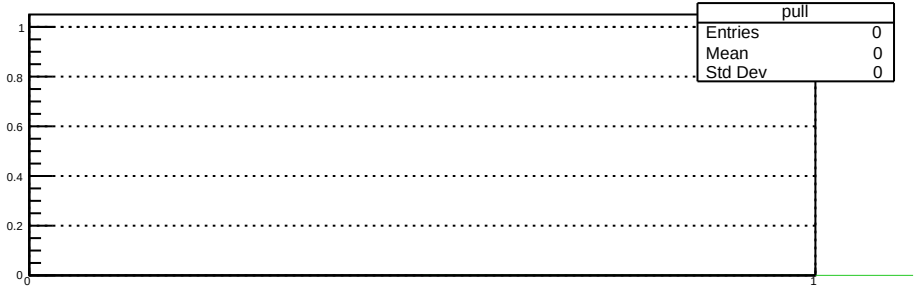
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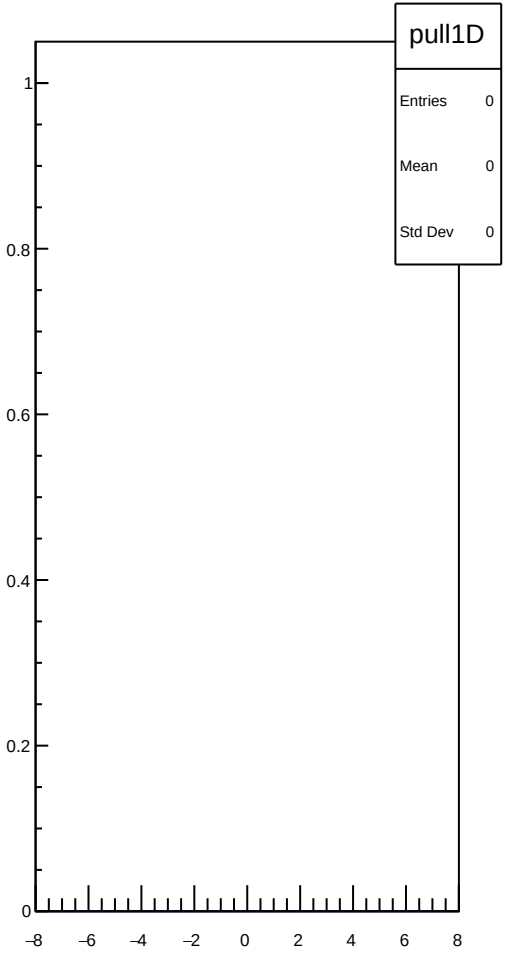
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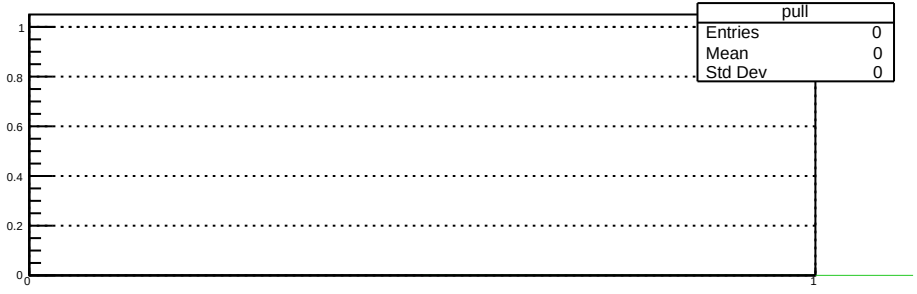
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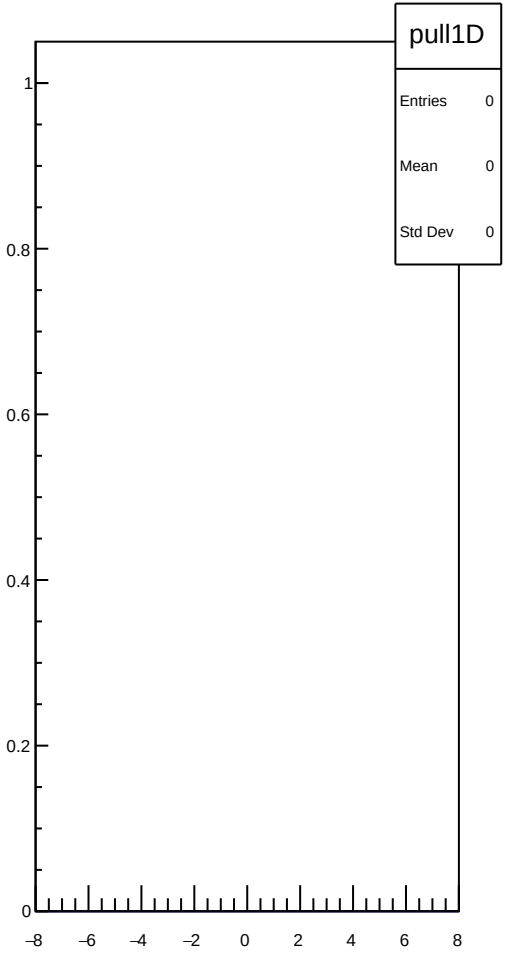
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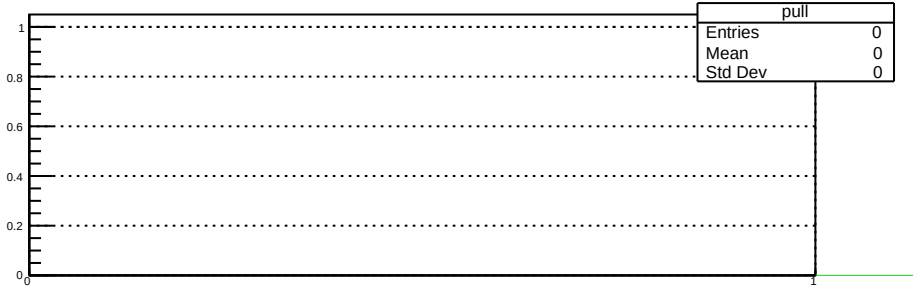
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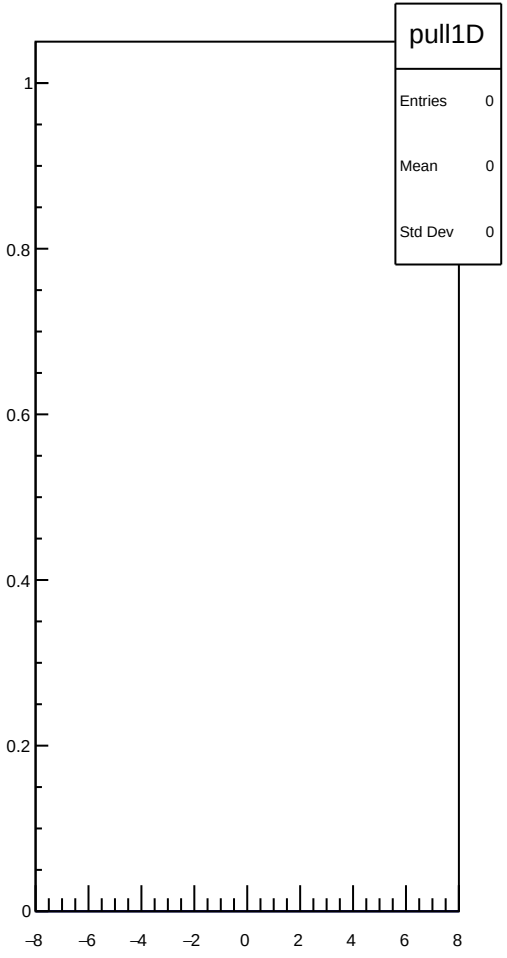
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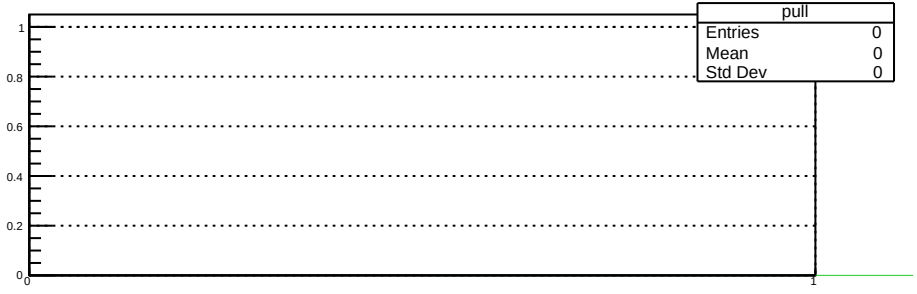
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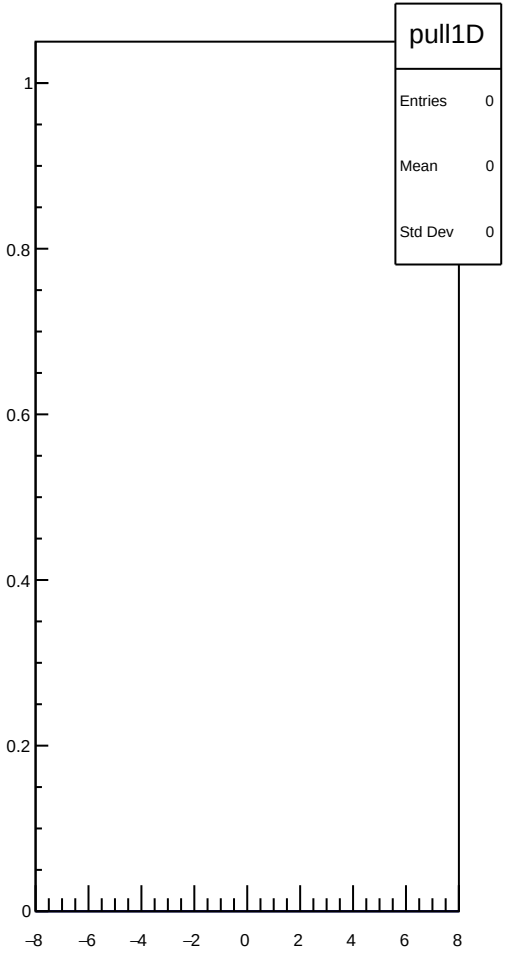
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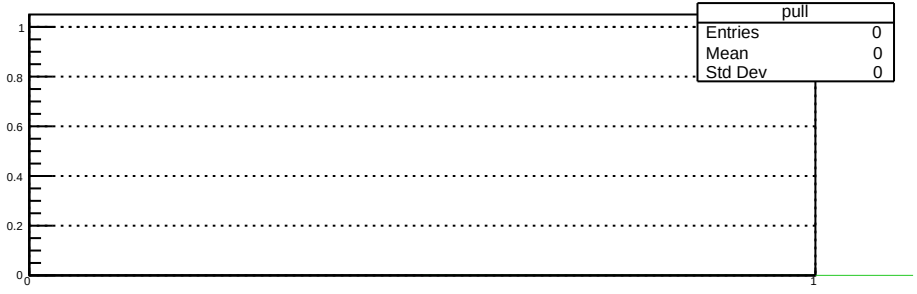
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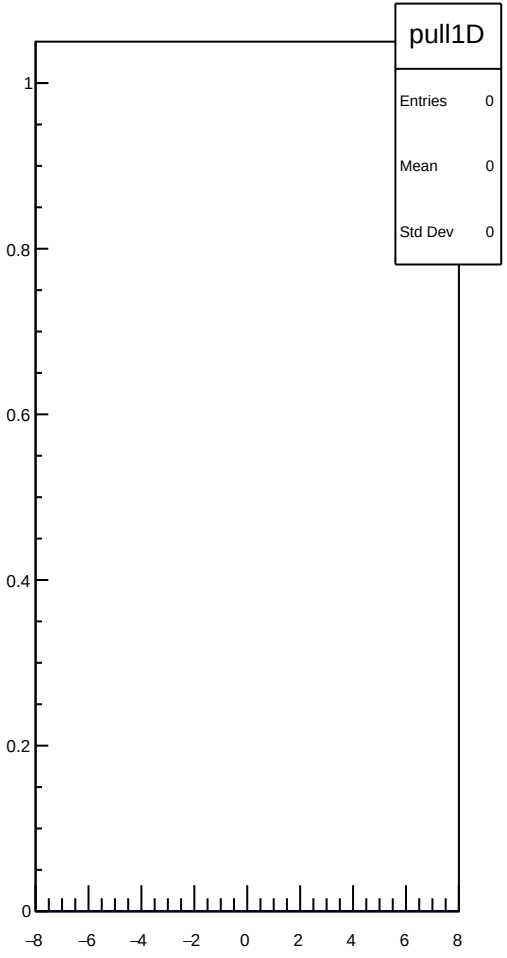
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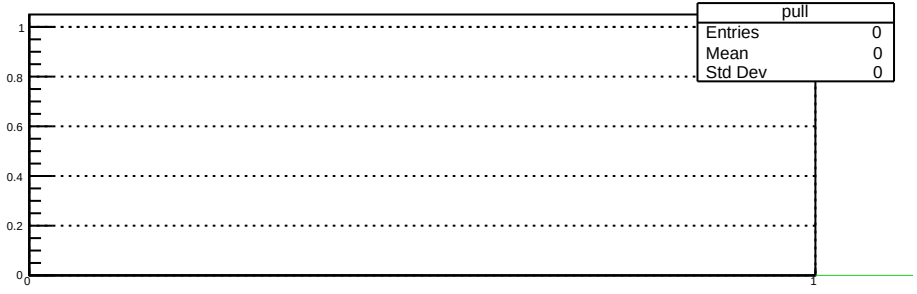
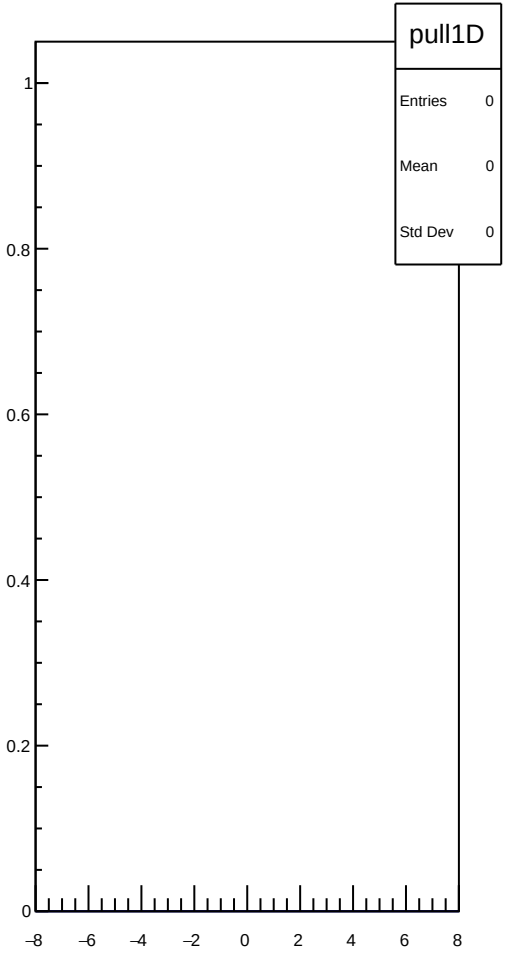
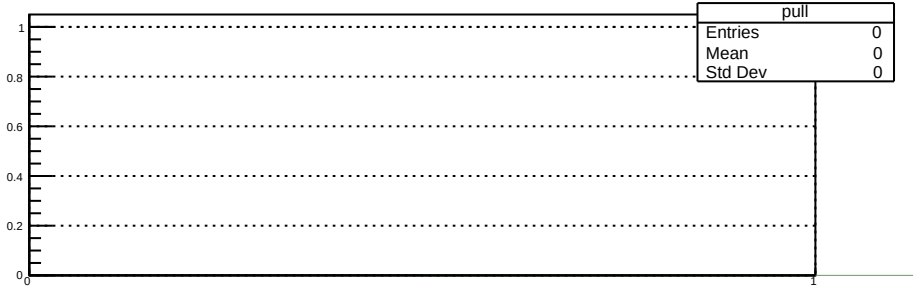
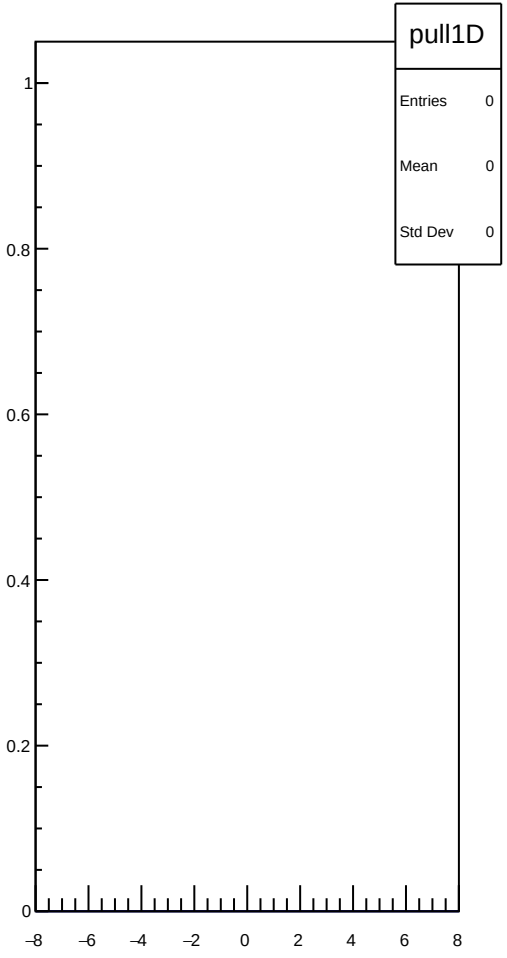
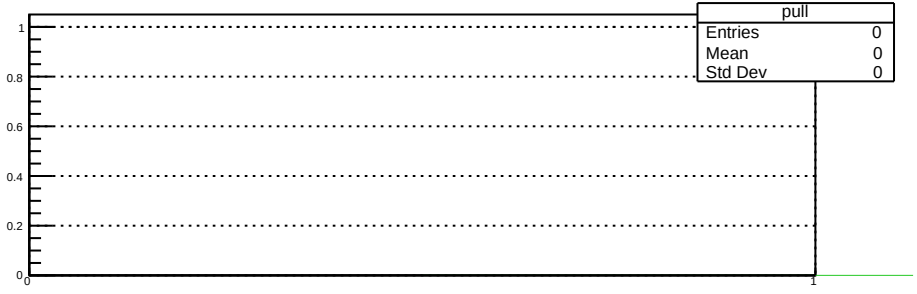
–2
0
2
4
6
8

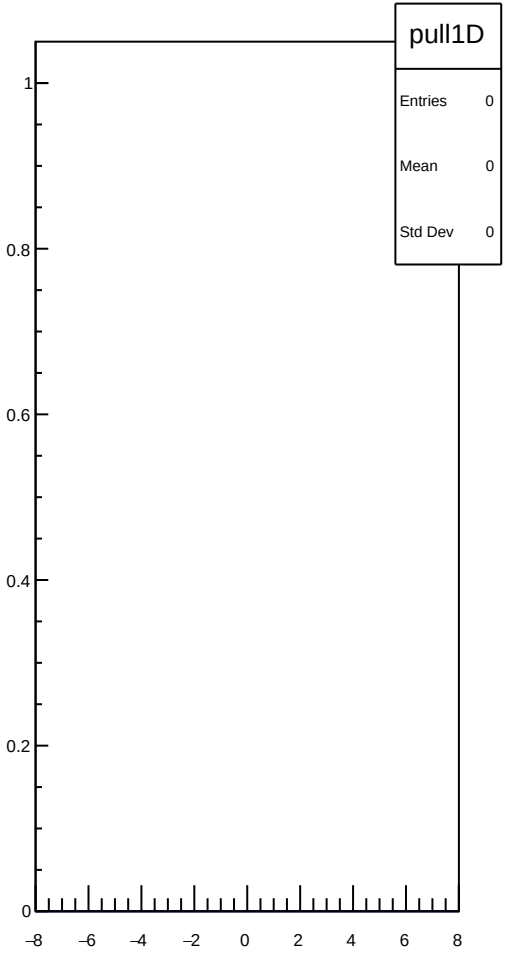

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

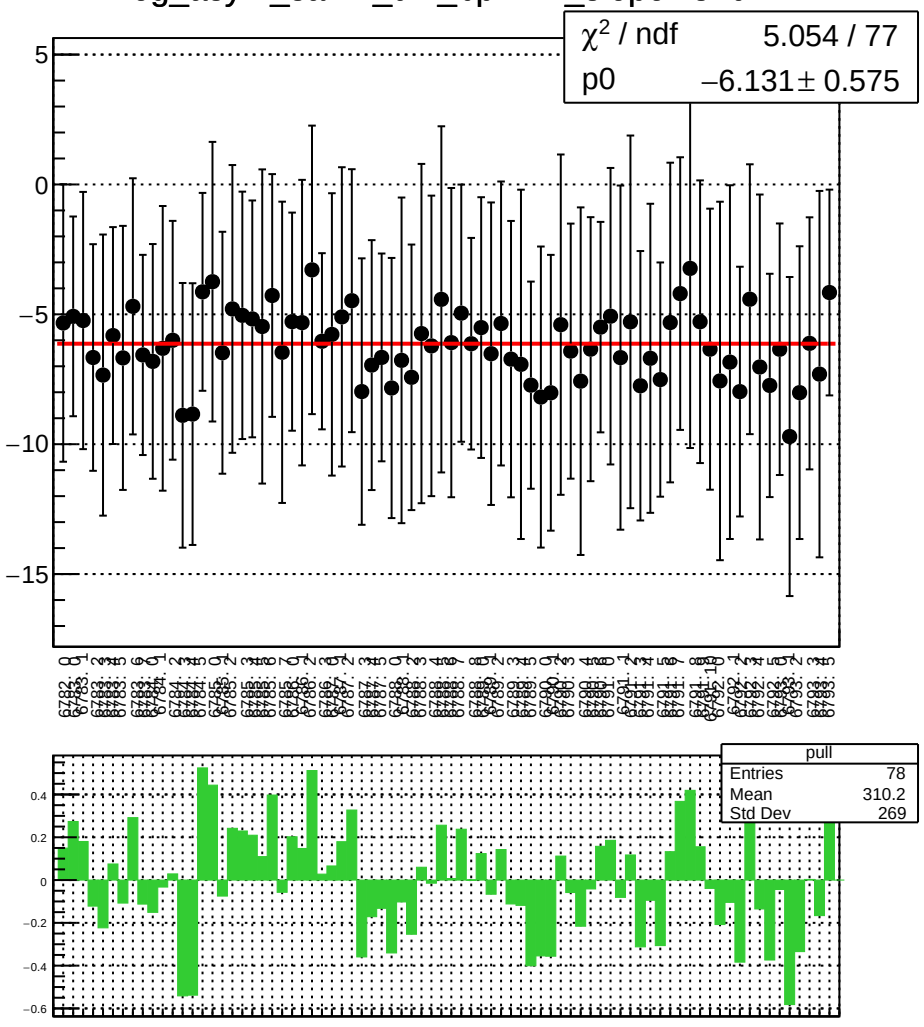

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

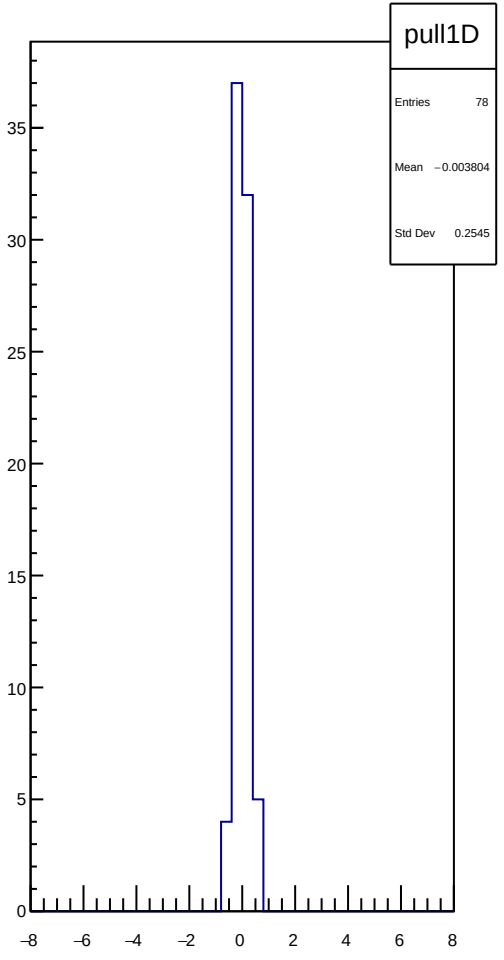

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

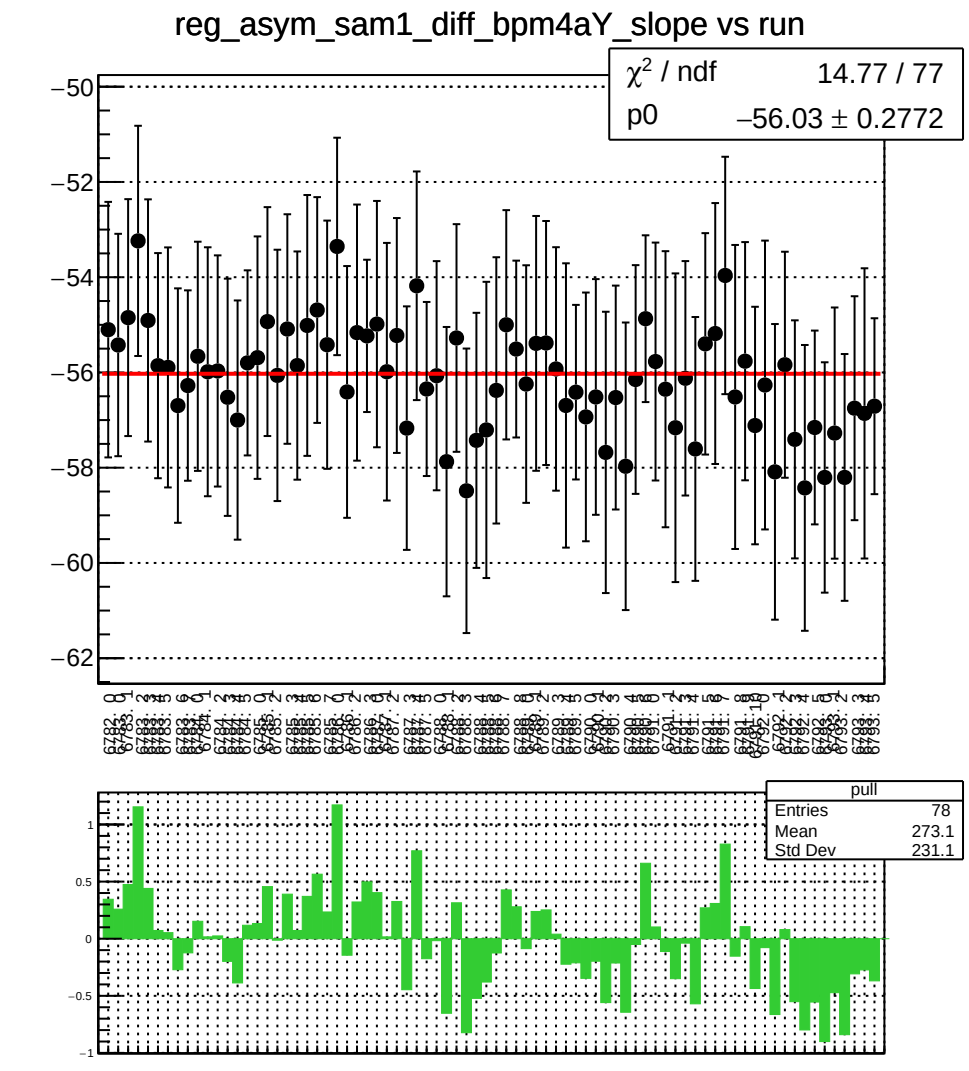

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

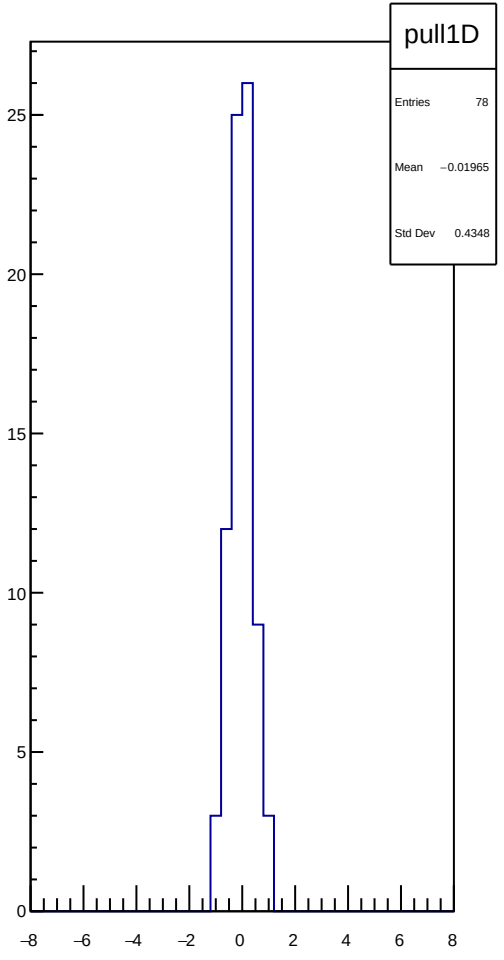

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

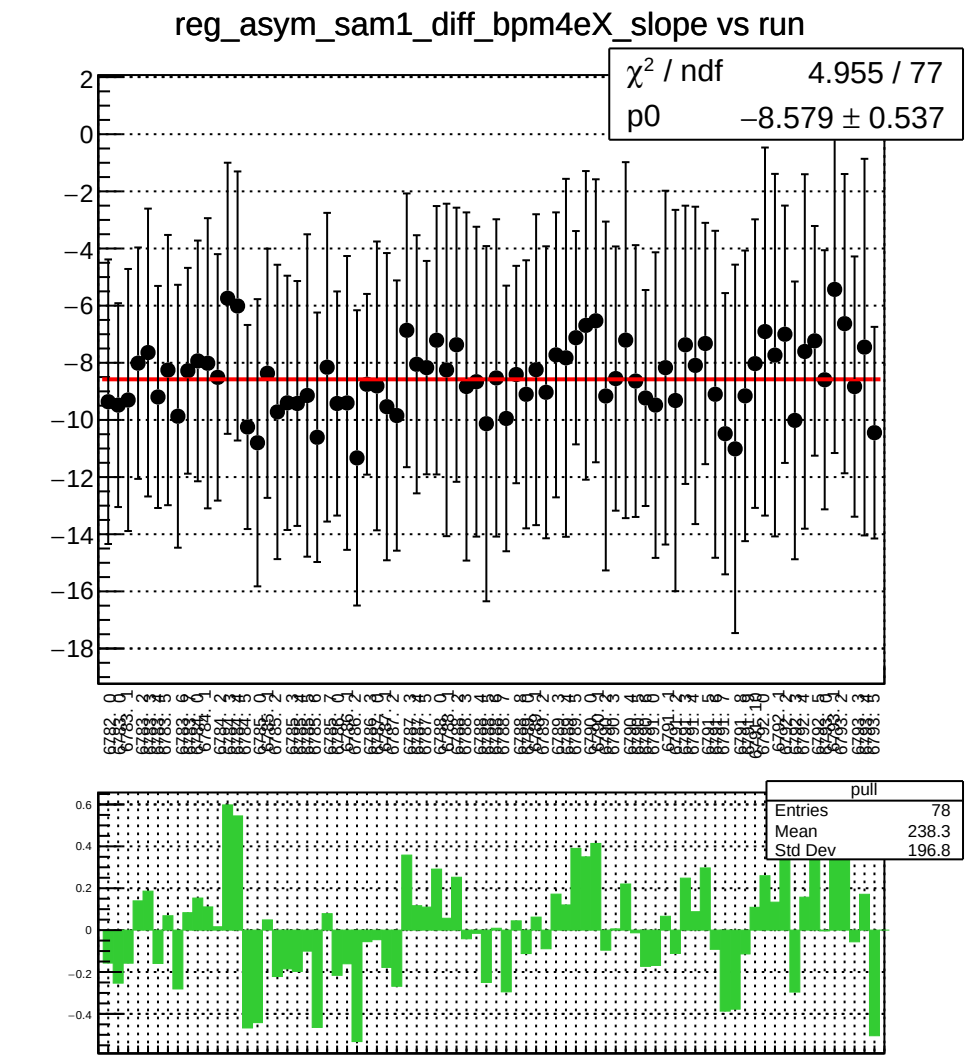

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

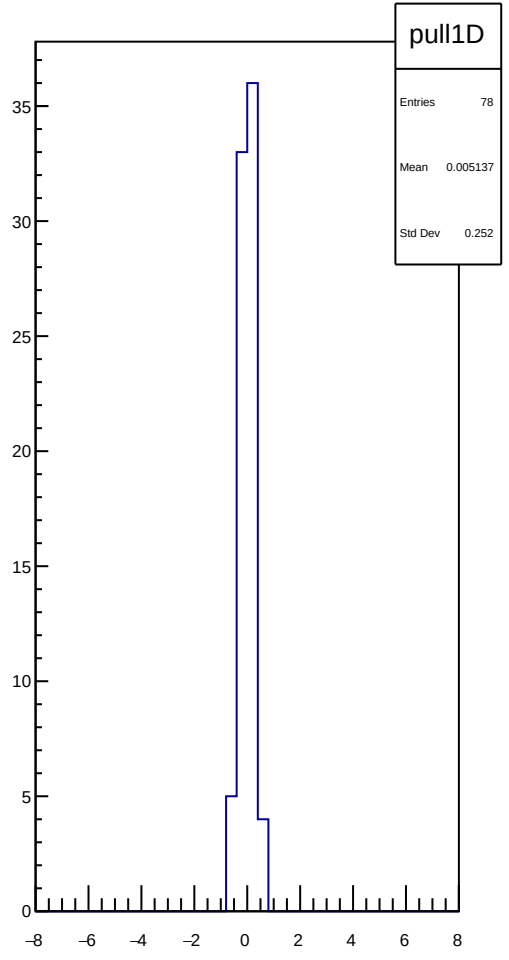

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 5.054 / 77
p0 −6.131 ± 0.575
pull
Entries 78
Mean 310.2
Std Dev 269

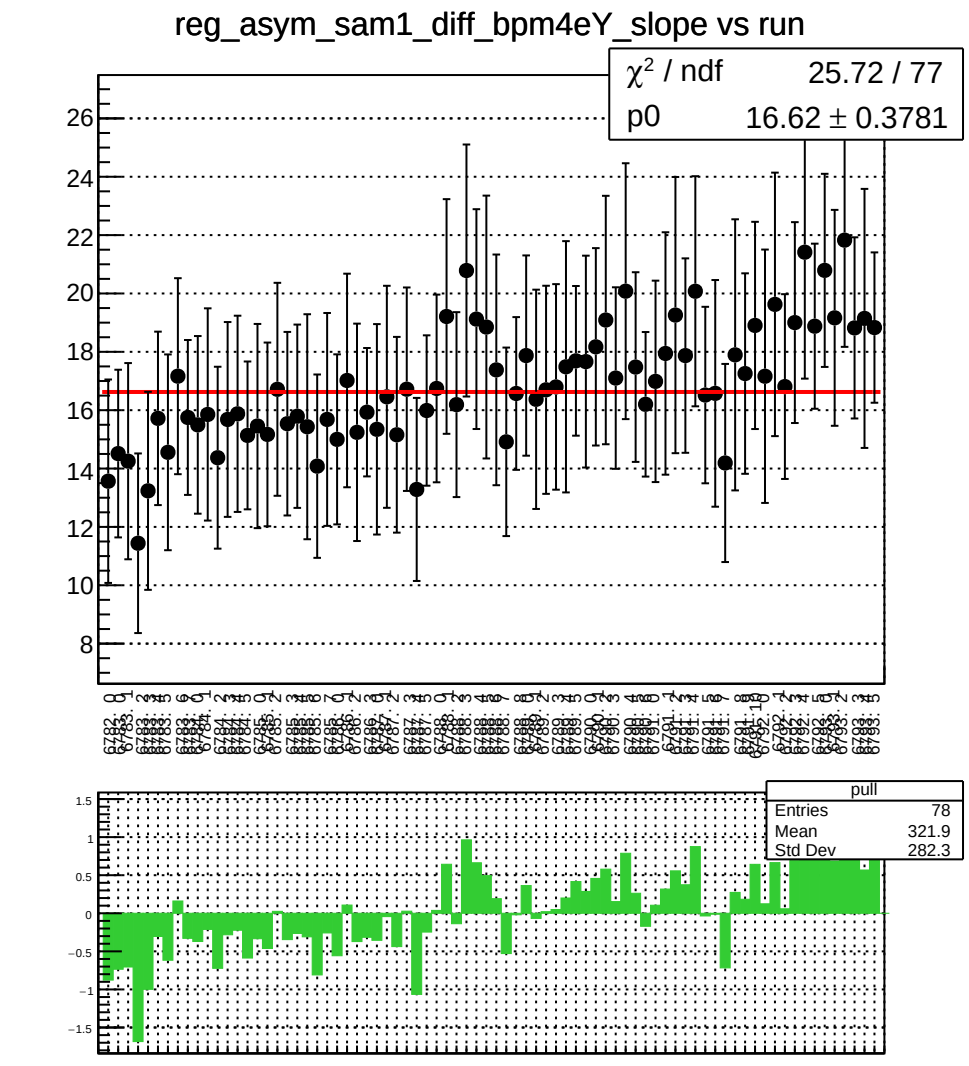

pull1D
Entries 78
Mean −0.003804
Std Dev 0.2545

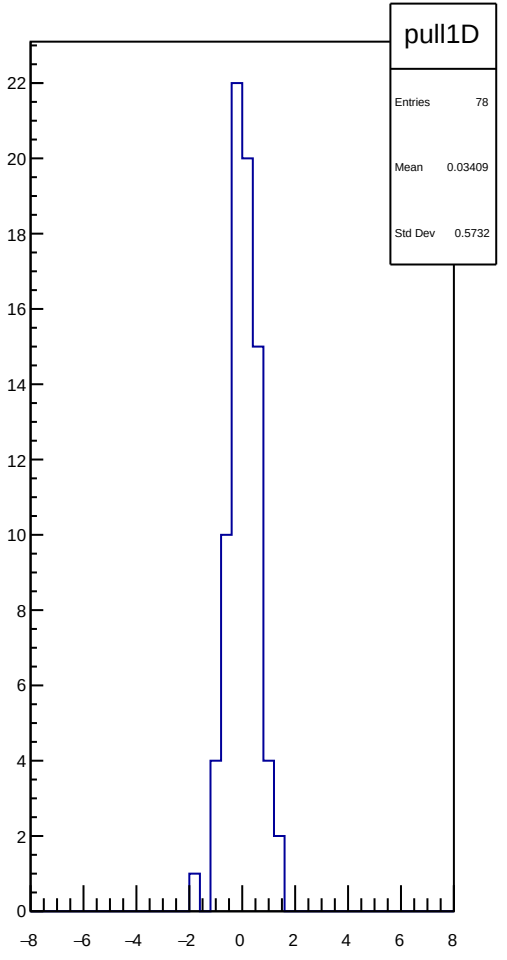

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 14.77 / 77
p0 −56.03 ± 0.2772
pull
Entries 78
Mean 273.1
Std Dev 231.1

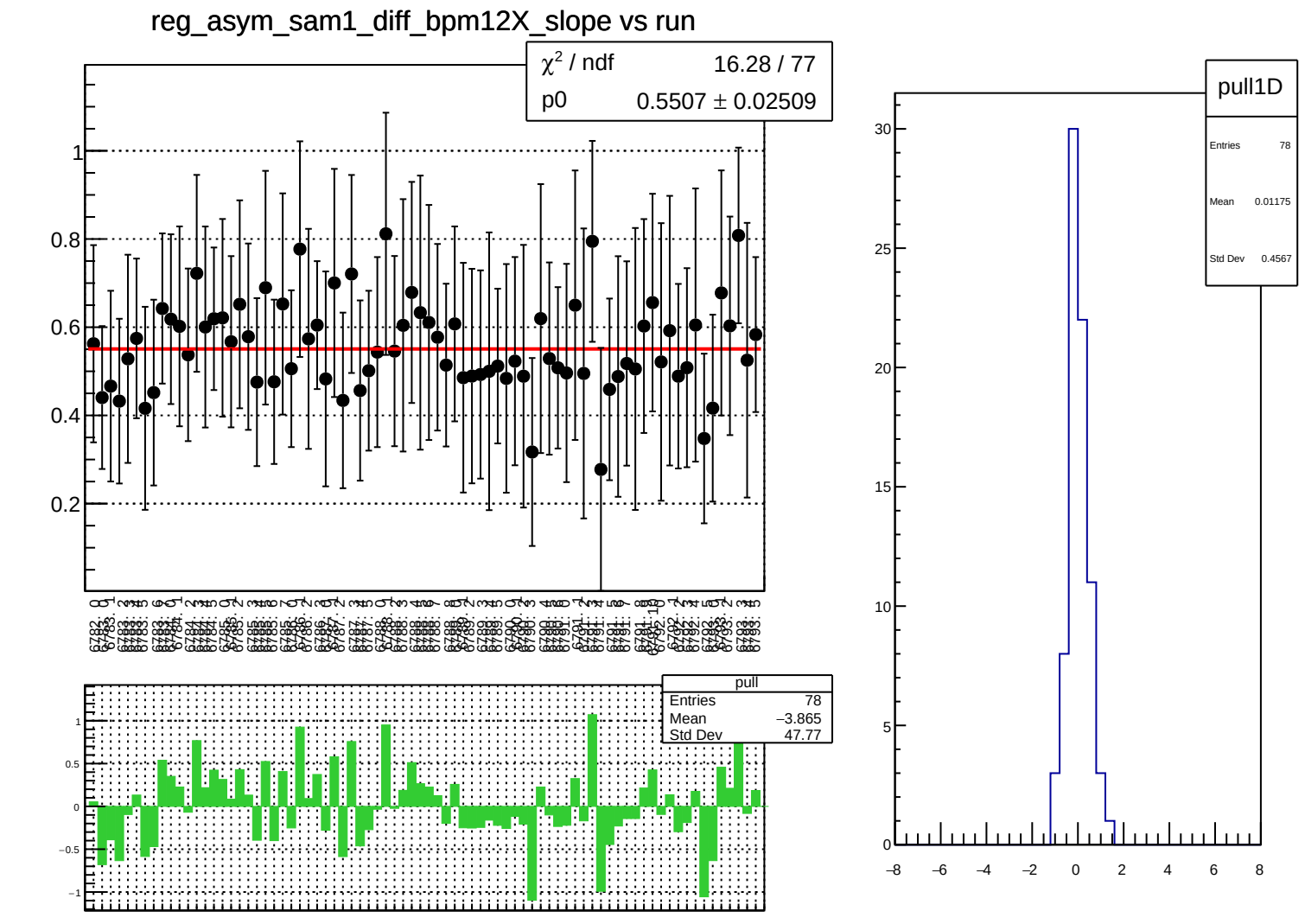

pull1D
Entries 78
Mean −0.01965
Std Dev 0.4348

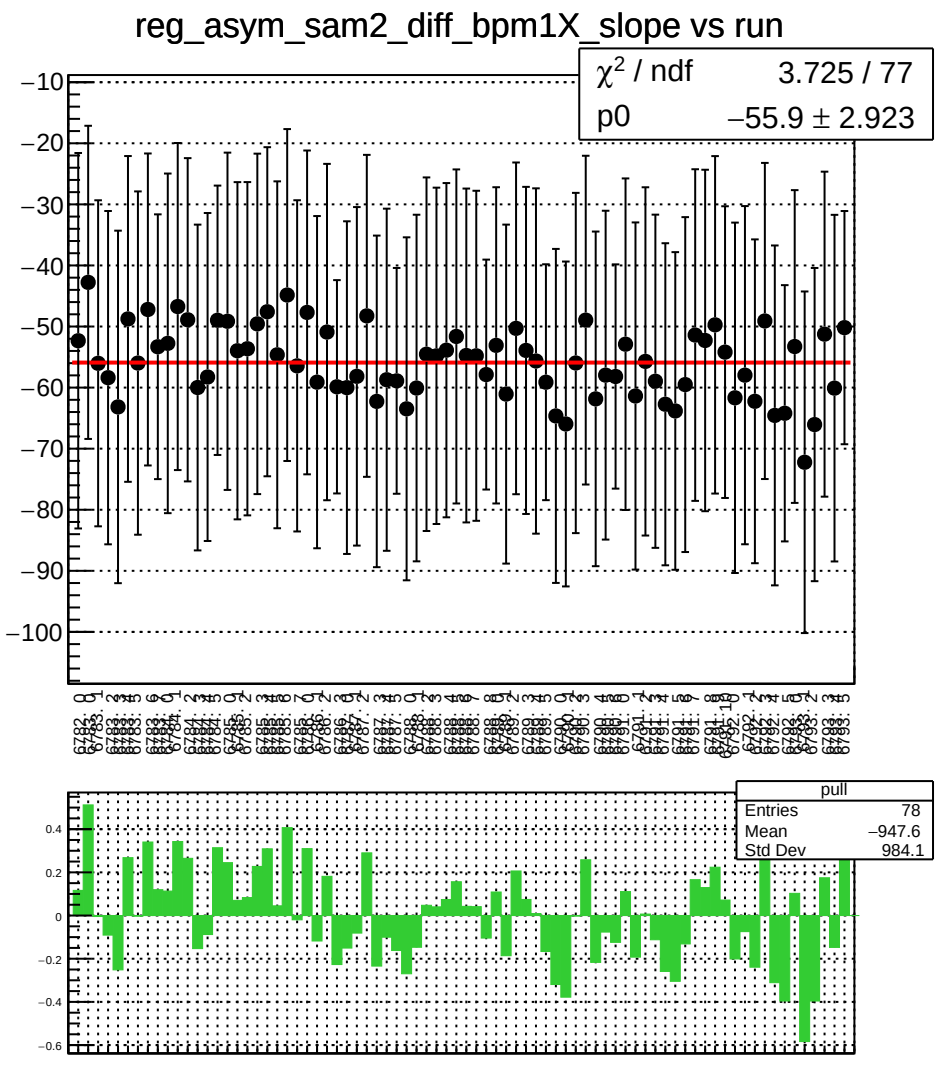

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.955 / 77
p0 −8.579 ± 0.537
pull
Entries 78
Mean 238.3
Std Dev 196.8

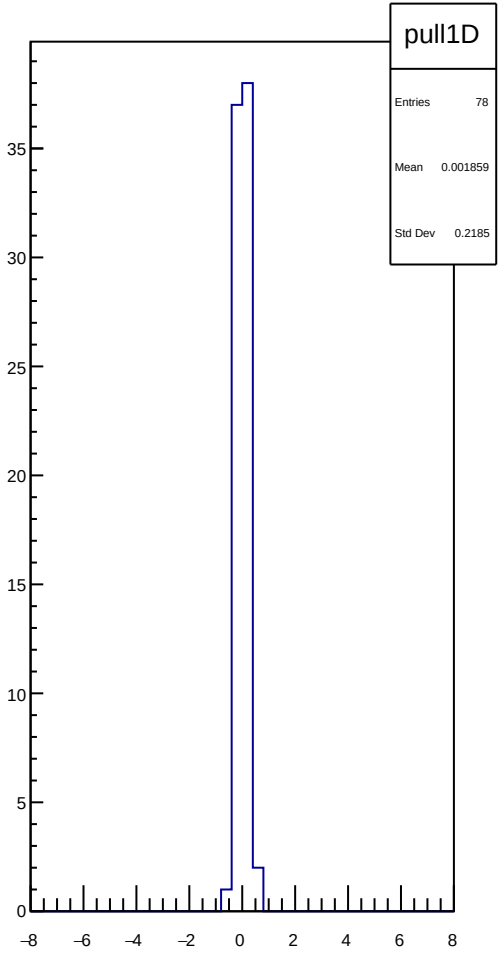

pull1D
Entries 78
Mean 0.005137
Std Dev 0.252

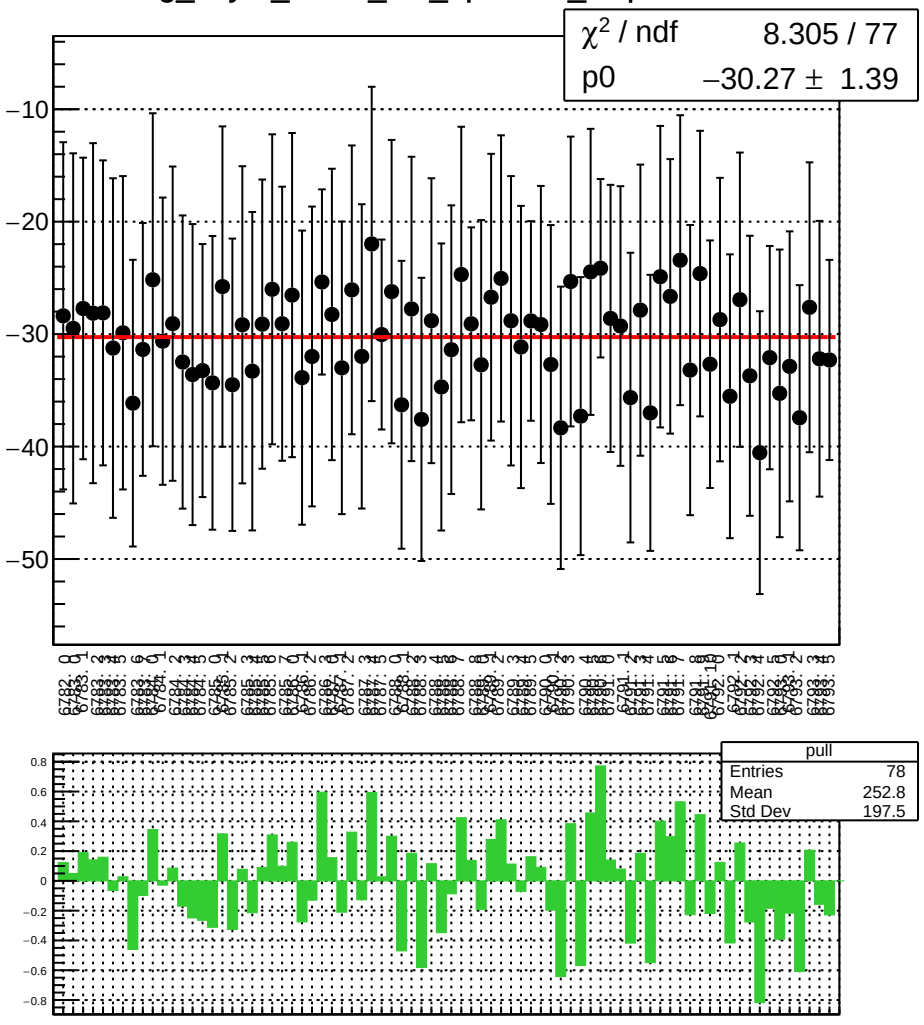

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 25.72 / 77
p0 16.62 ± 0.3781
pull
Entries 78
Mean 321.9
Std Dev 282.3

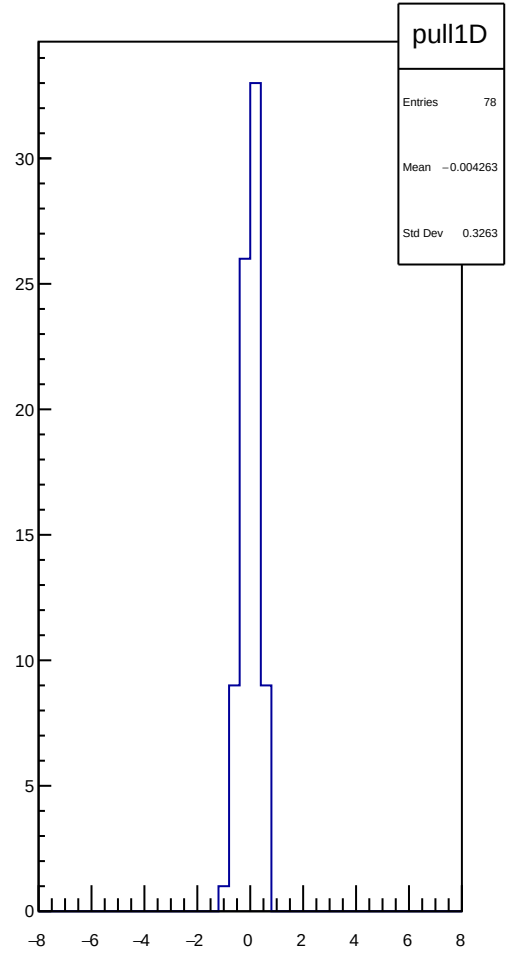

pull1D
Entries 78
Mean 0.03409
Std Dev 0.5732

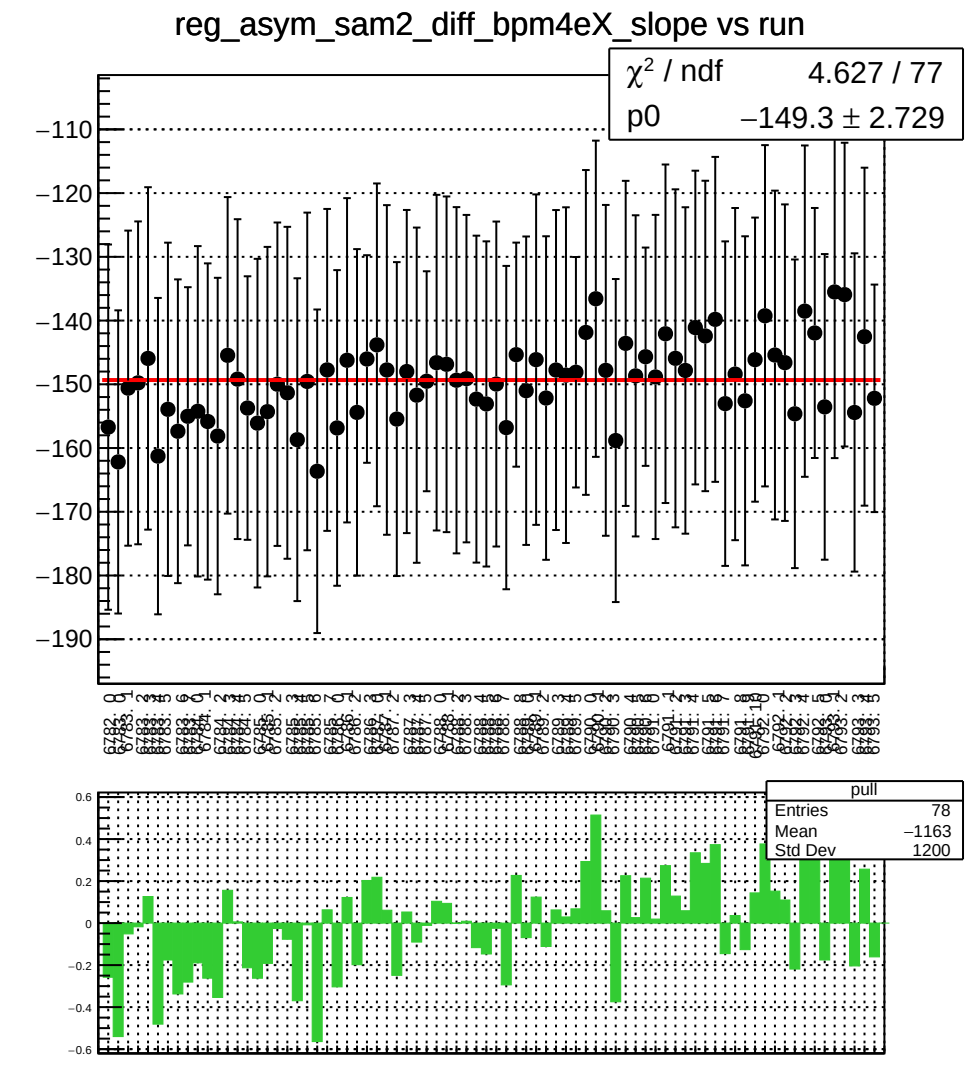

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 16.28 / 77
p0 0.5507 ± 0.02509
pull
Entries 78
Mean −3.865
Std Dev 47.77
pull1D
Entries 78
Mean 0.01175
Std Dev 0.4567

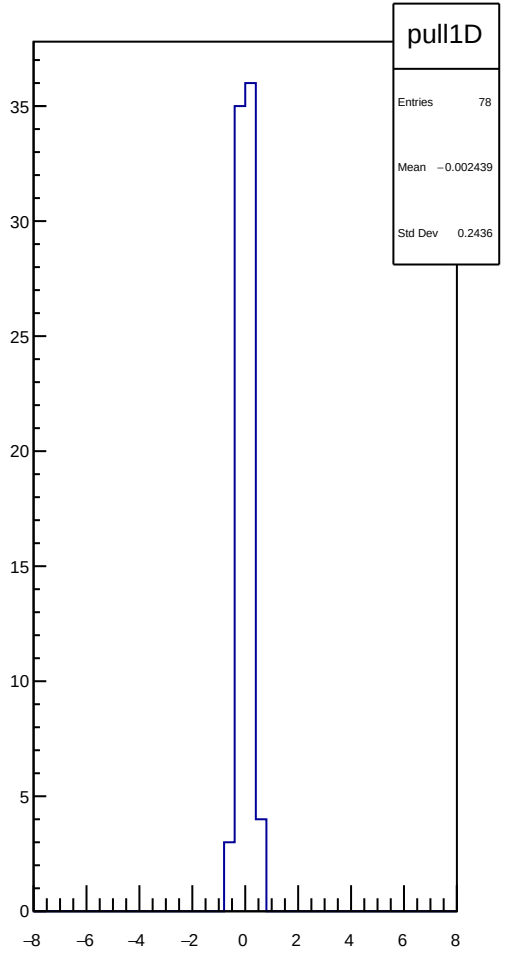

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 3.725 / 77
p0 −55.9 ± 2.923
pull
Entries 78
Mean −947.6
Std Dev 984.1

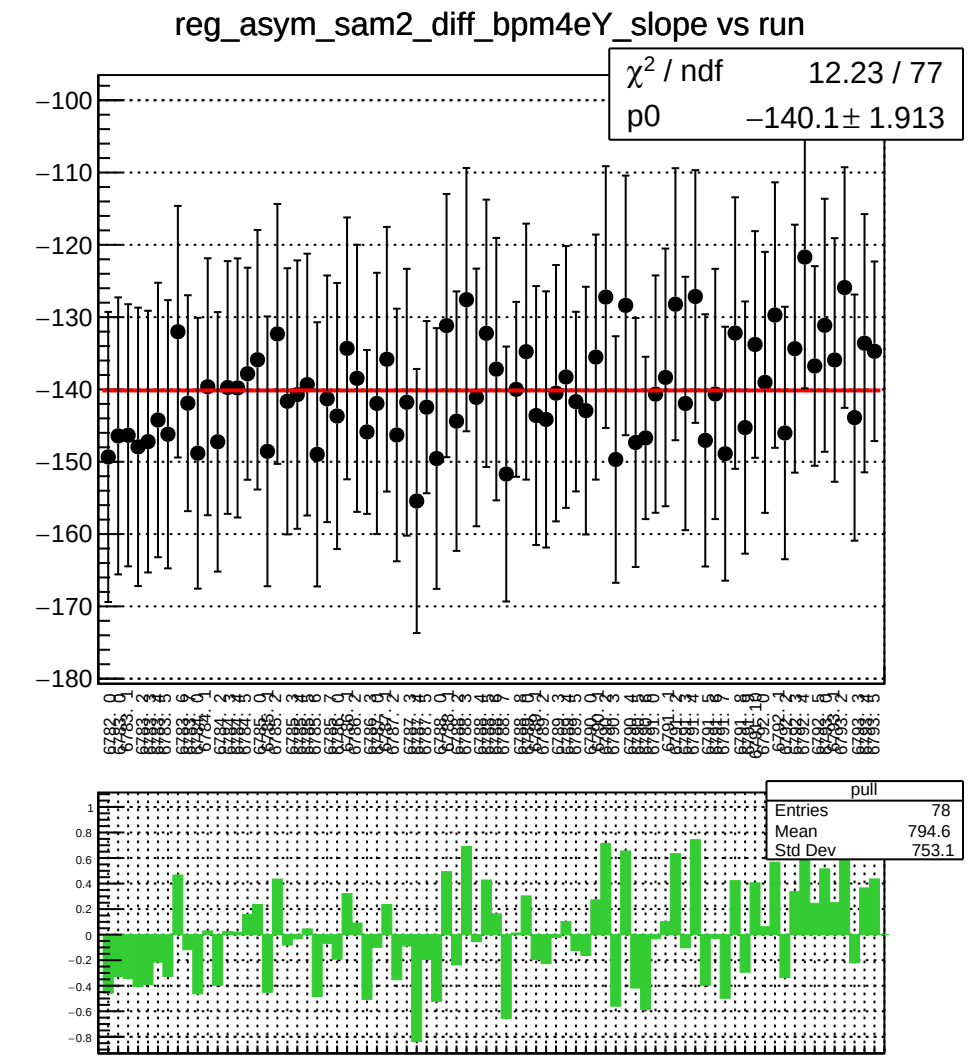

pull1D
Entries 78
Mean 0.001859
Std Dev 0.2185

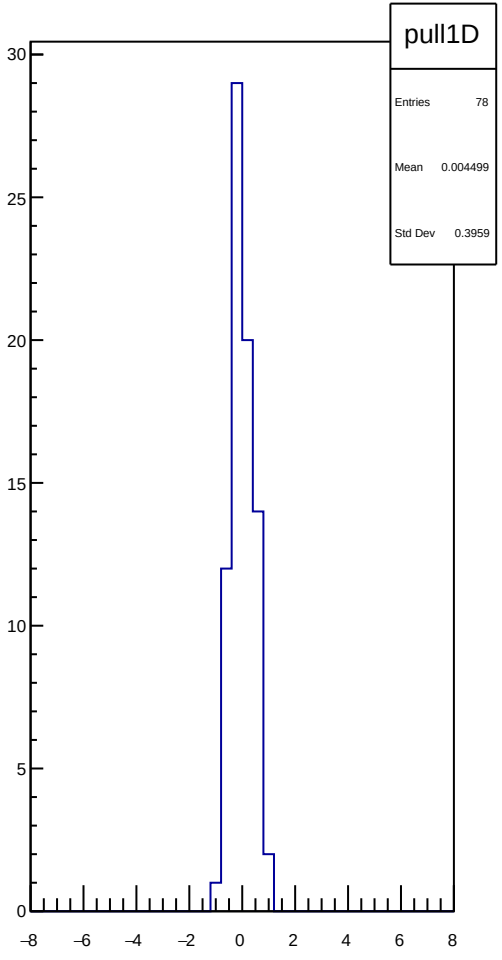

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 8.305 / 77
p0 −30.27 ± 1.39
pull
Entries 78
Mean 252.8
Std Dev 197.5

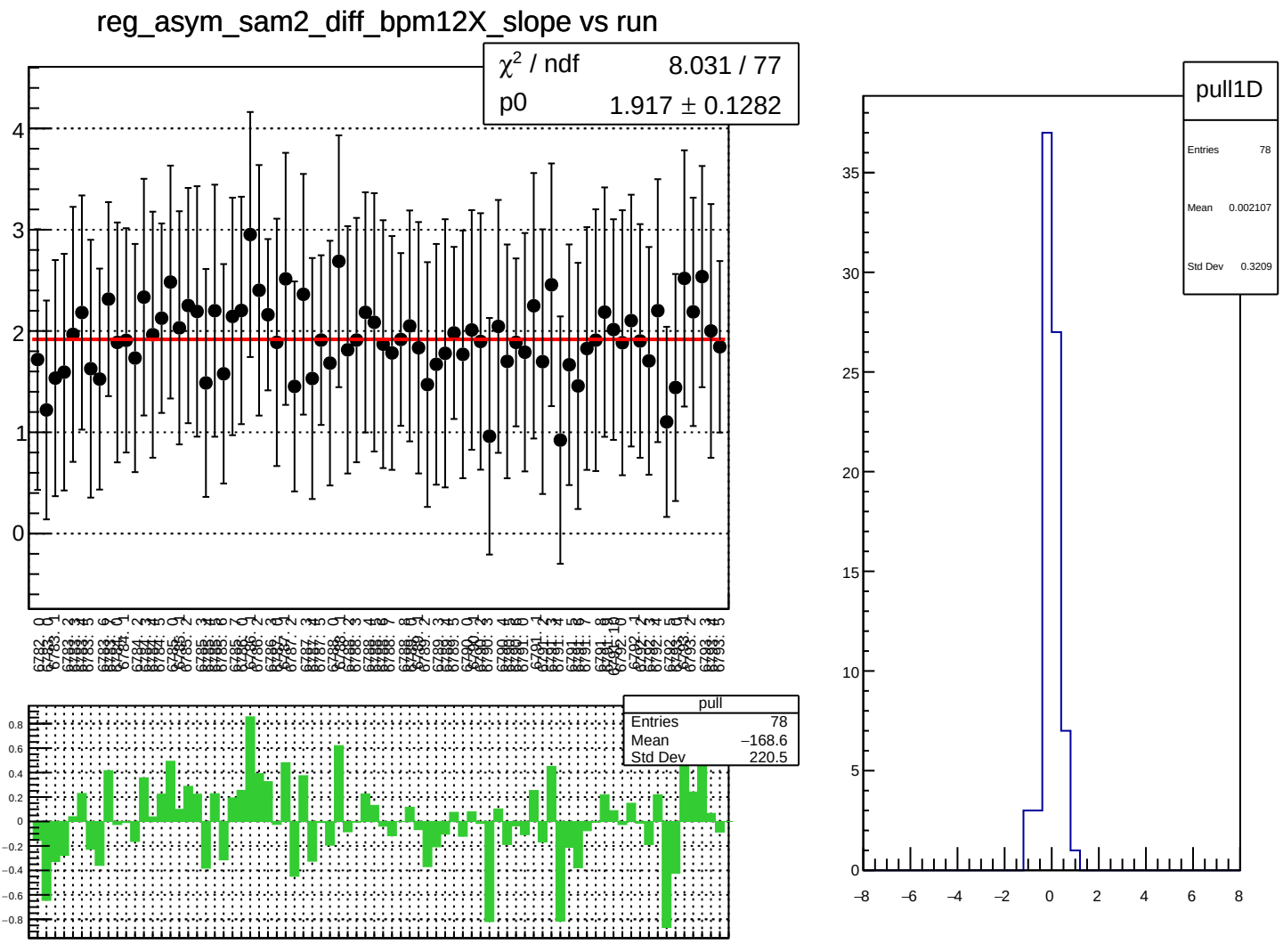

pull1D
Entries 78
Mean −0.004263
Std Dev 0.3263

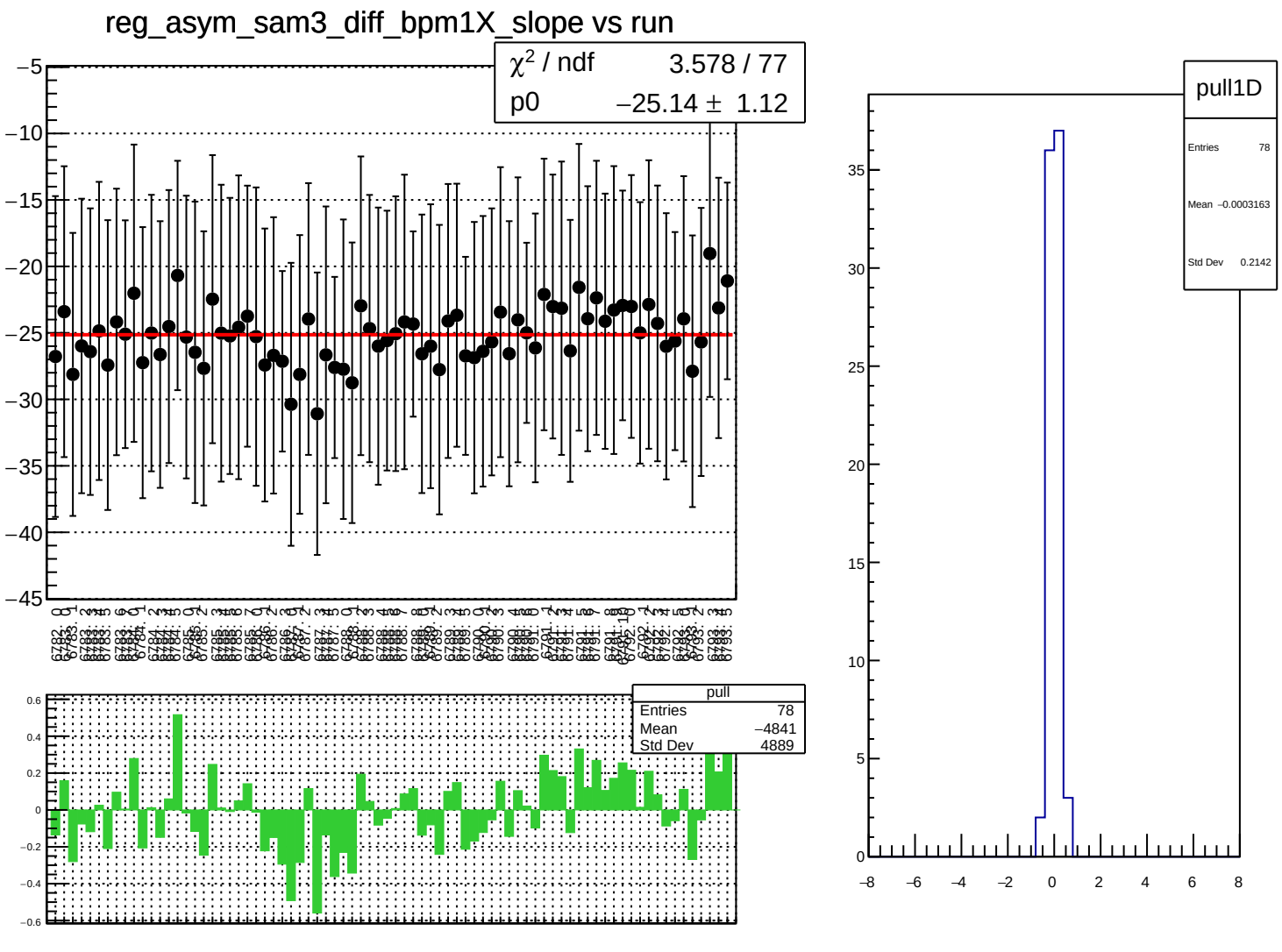

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.627 / 77
p0 −149.3 ± 2.729
pull
Entries 78
Mean −1163
Std Dev 1200

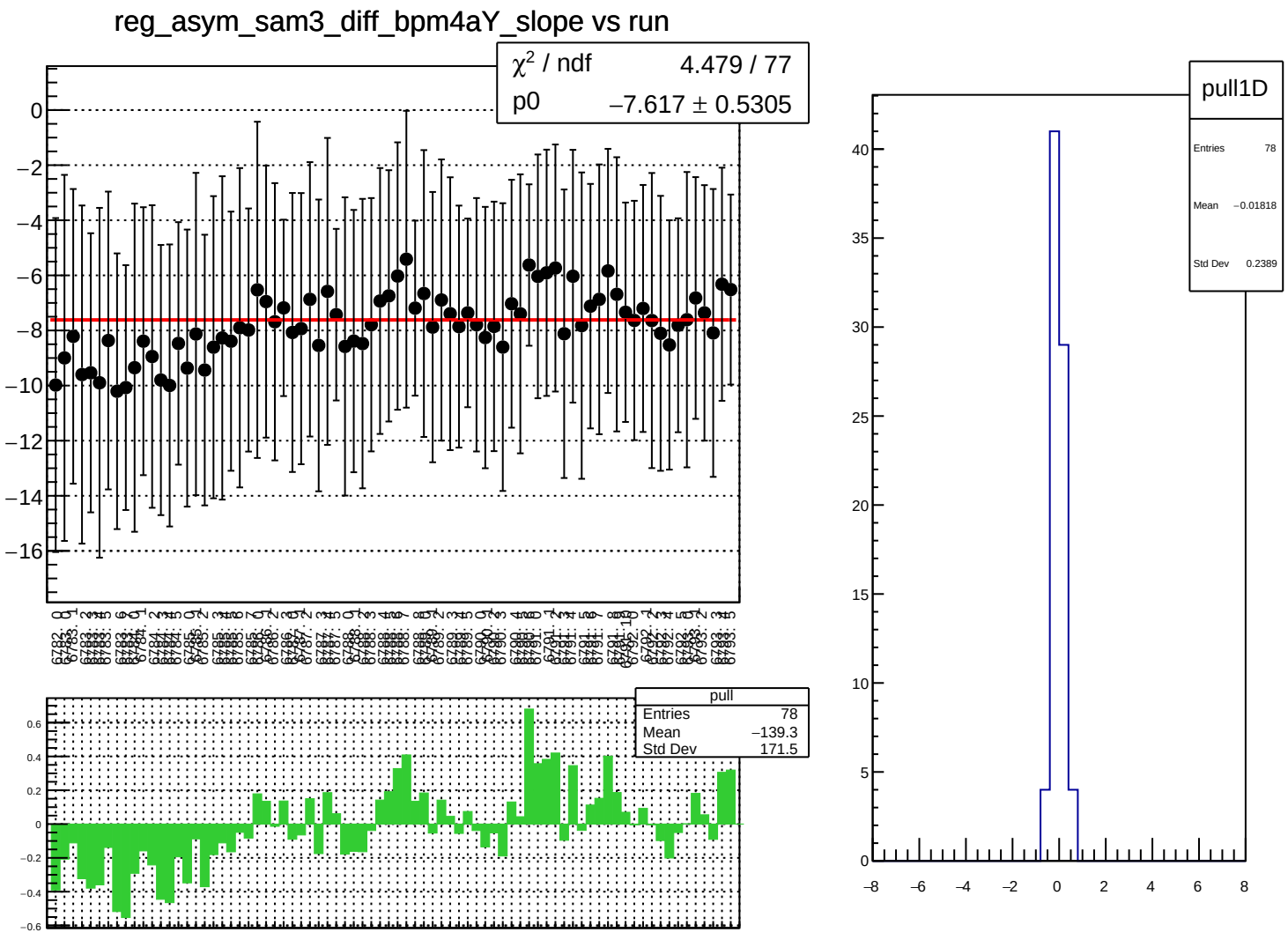

pull1D
Entries 78
Mean −0.002439
Std Dev 0.2436

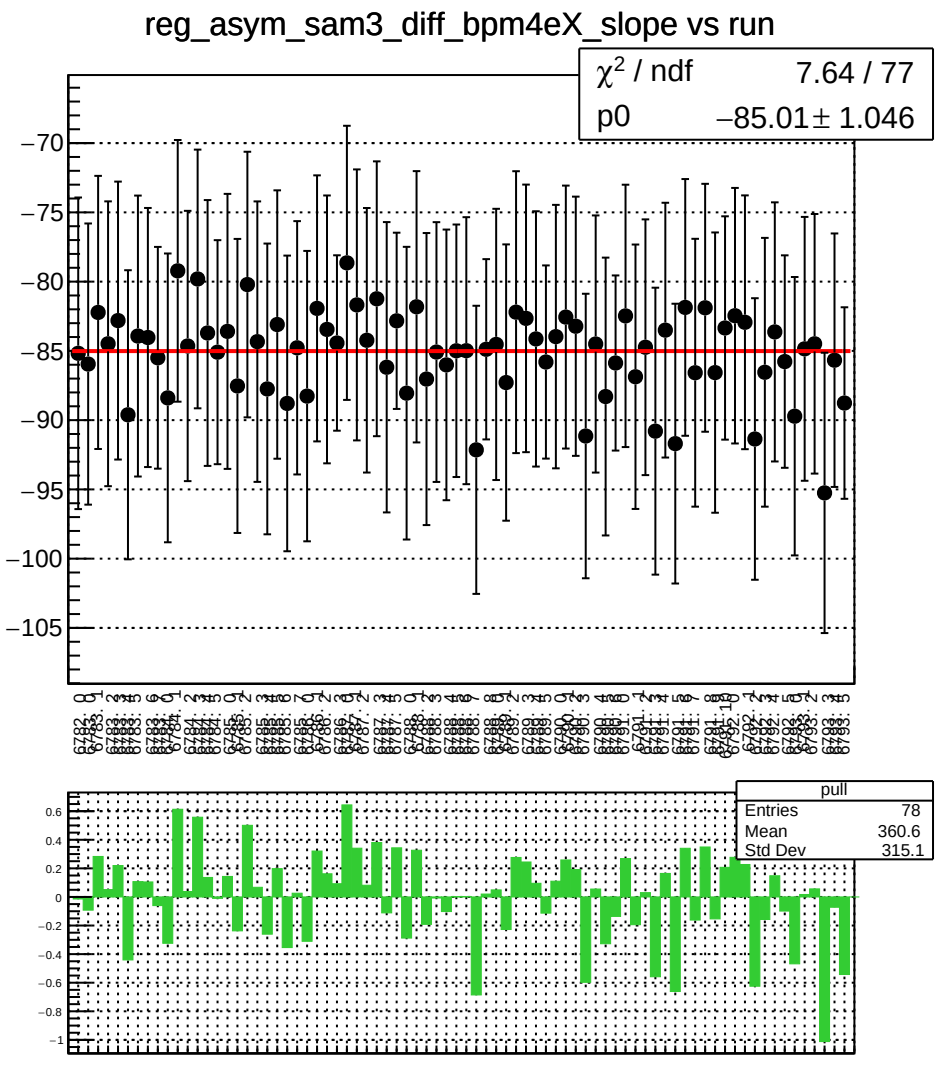

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 77
p0 −140.1± 1.913
pull
Entries 78
Mean 794.6
Std Dev 753.1

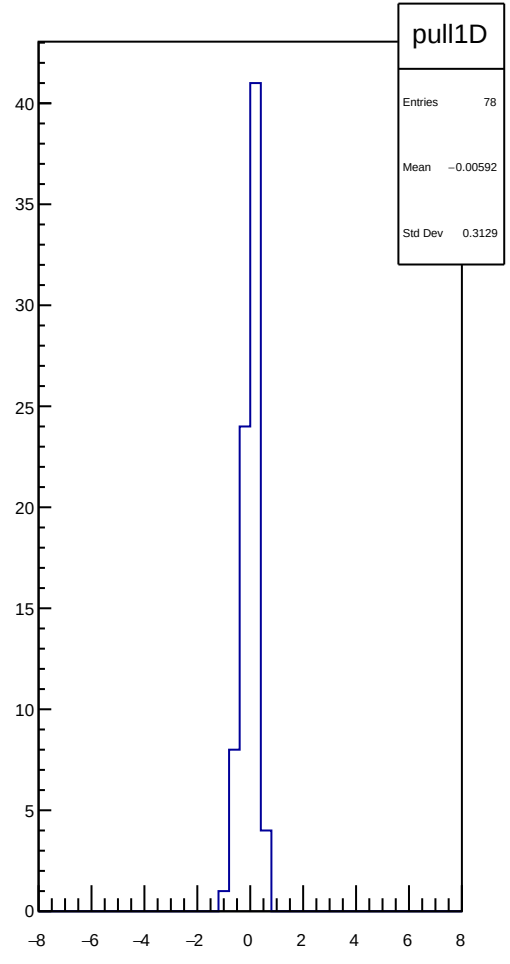

pull1D
Entries 78
Mean 0.004499
Std Dev 0.3959

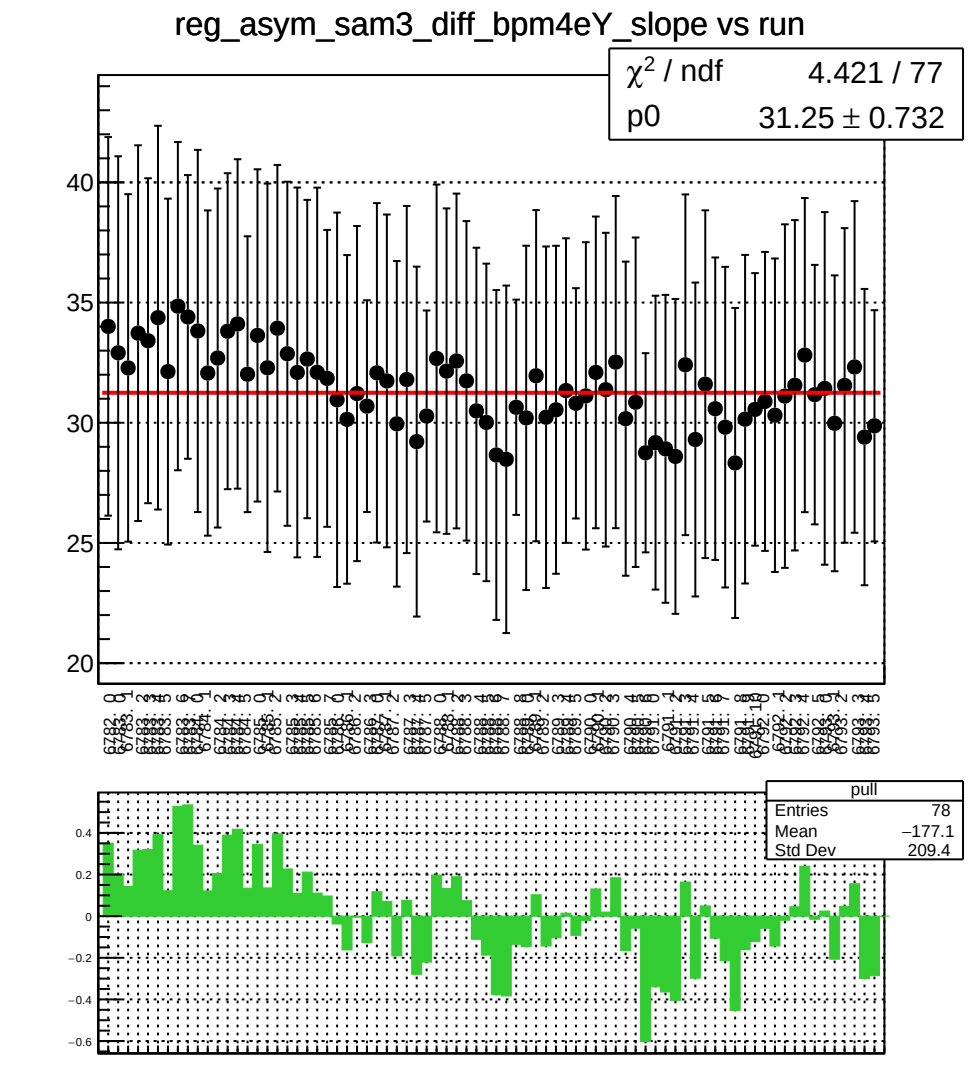

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 8.031 / 77
p0 1.917 ± 0.1282
pull
Entries 78
Mean −168.6
Std Dev 220.5
pull1D
Entries 78
Mean 0.002107
Std Dev 0.3209

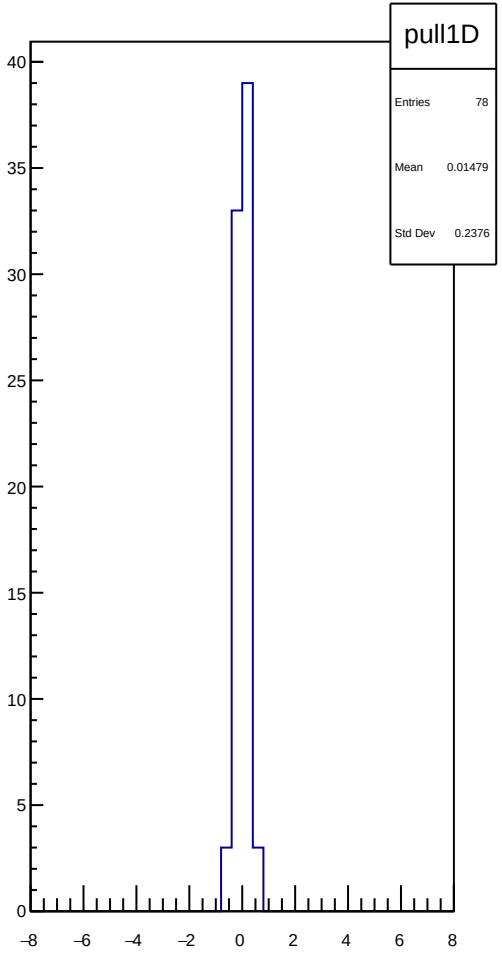

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.578 / 77
p0 −25.14 ± 1.12
pull
Entries 78
Mean −4841
Std Dev 4889
pull1D
Entries 78
Mean −0.0003163
Std Dev 0.2142

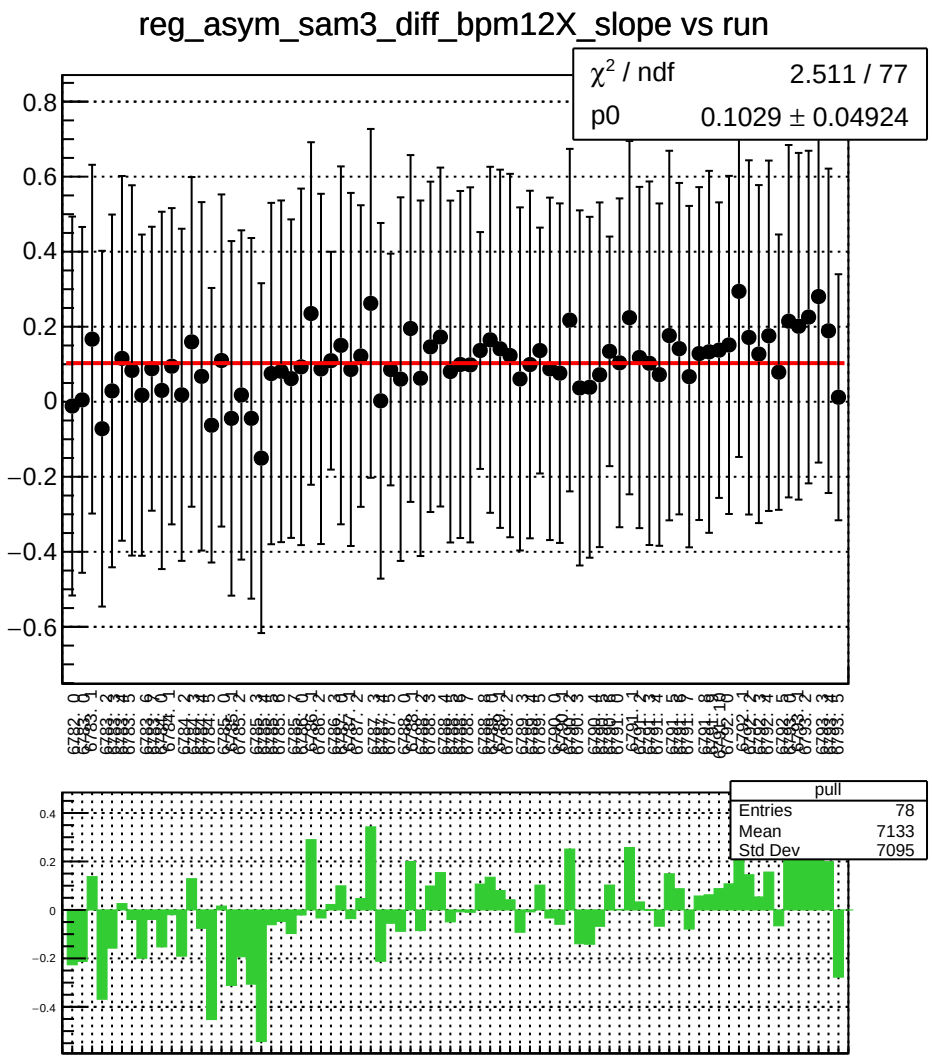

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.479 / 77
p0 −7.617 ± 0.5305
pull
Entries 78
Mean −139.3
Std Dev 171.5
pull1D
Entries 78
Mean −0.01818
Std Dev 0.2389

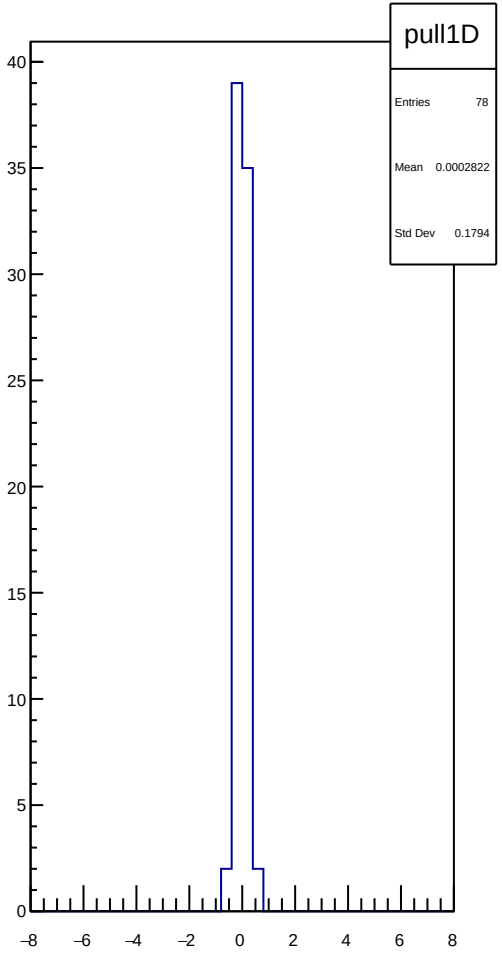

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.64 / 77
p0 −85.01± 1.046
pull
Entries 78
Mean 360.6
Std Dev 315.1

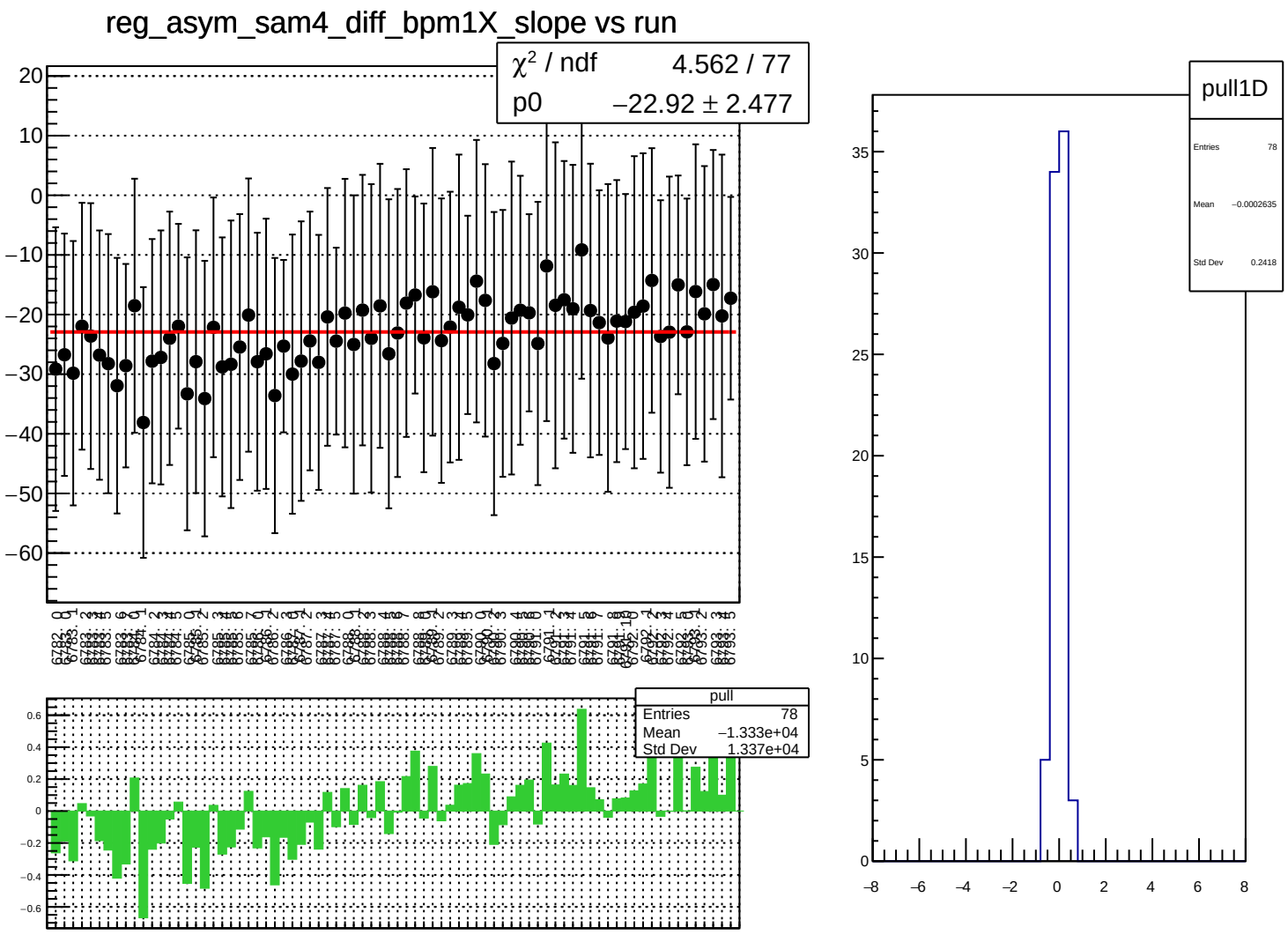

pull1D
Entries 78
Mean −0.00592
Std Dev 0.3129

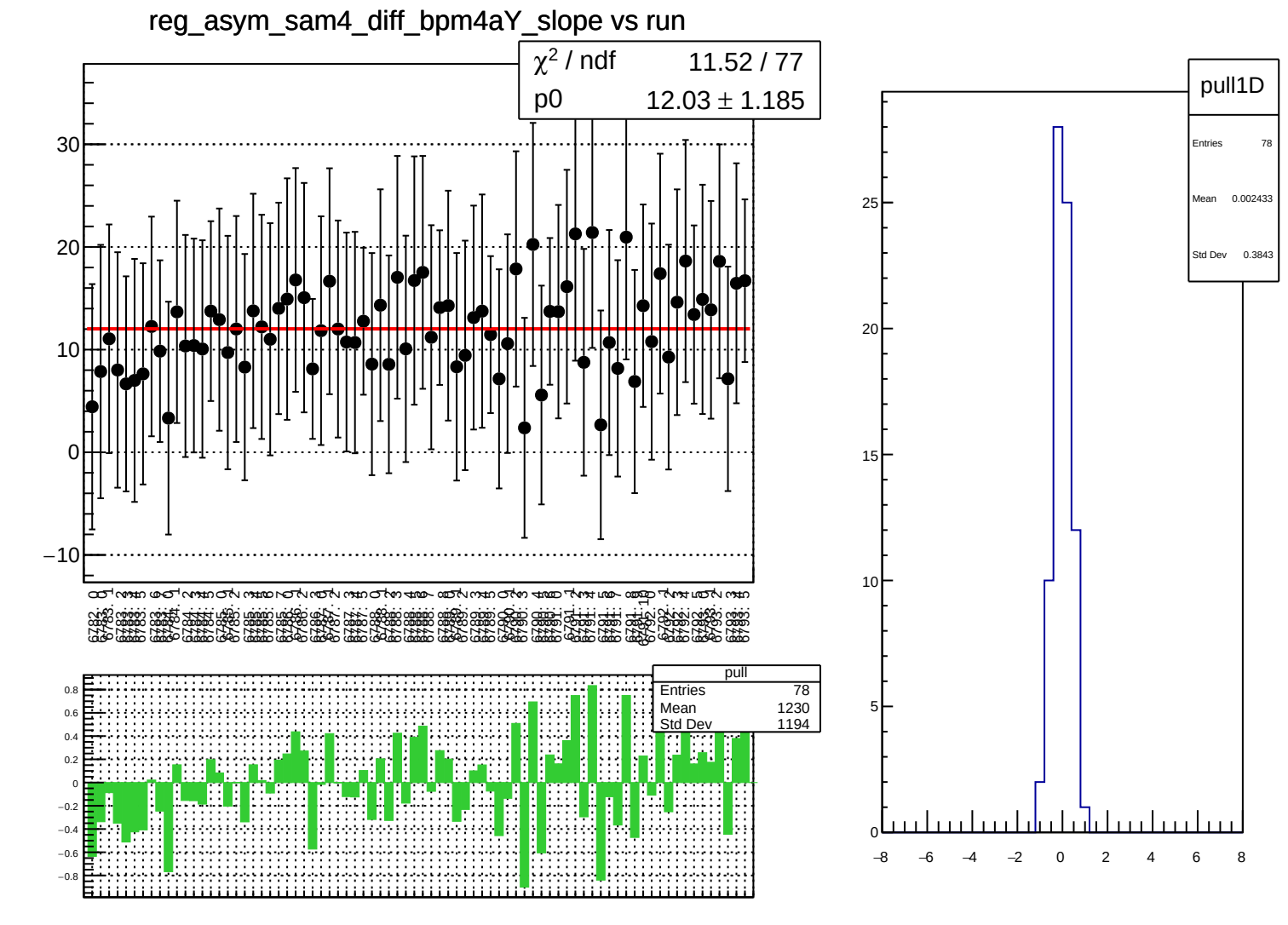

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.421 / 77
p0 31.25 ± 0.732
pull
Entries 78
Mean −177.1
Std Dev 209.4

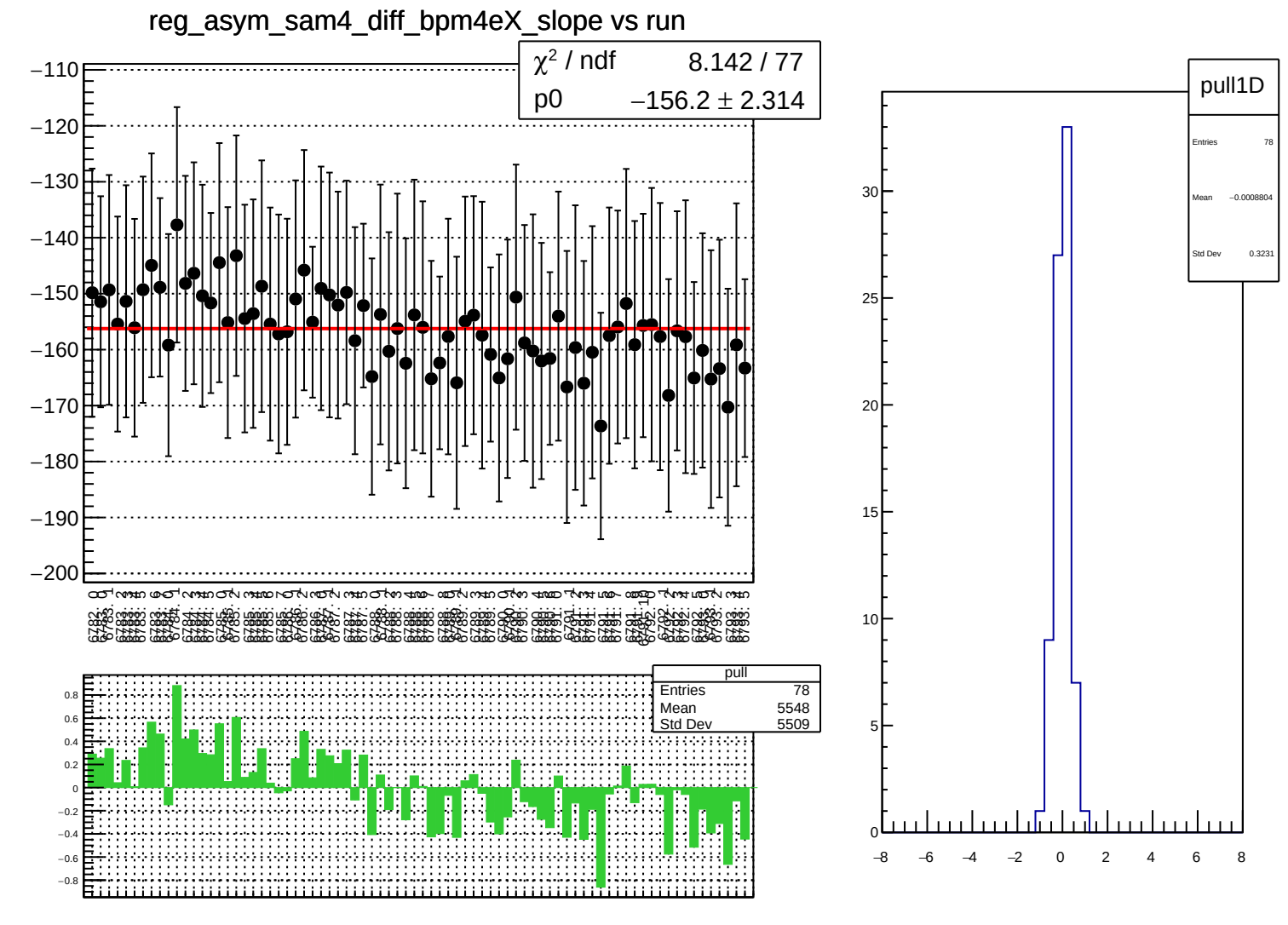

pull1D
Entries 78
Mean 0.01479
Std Dev 0.2376

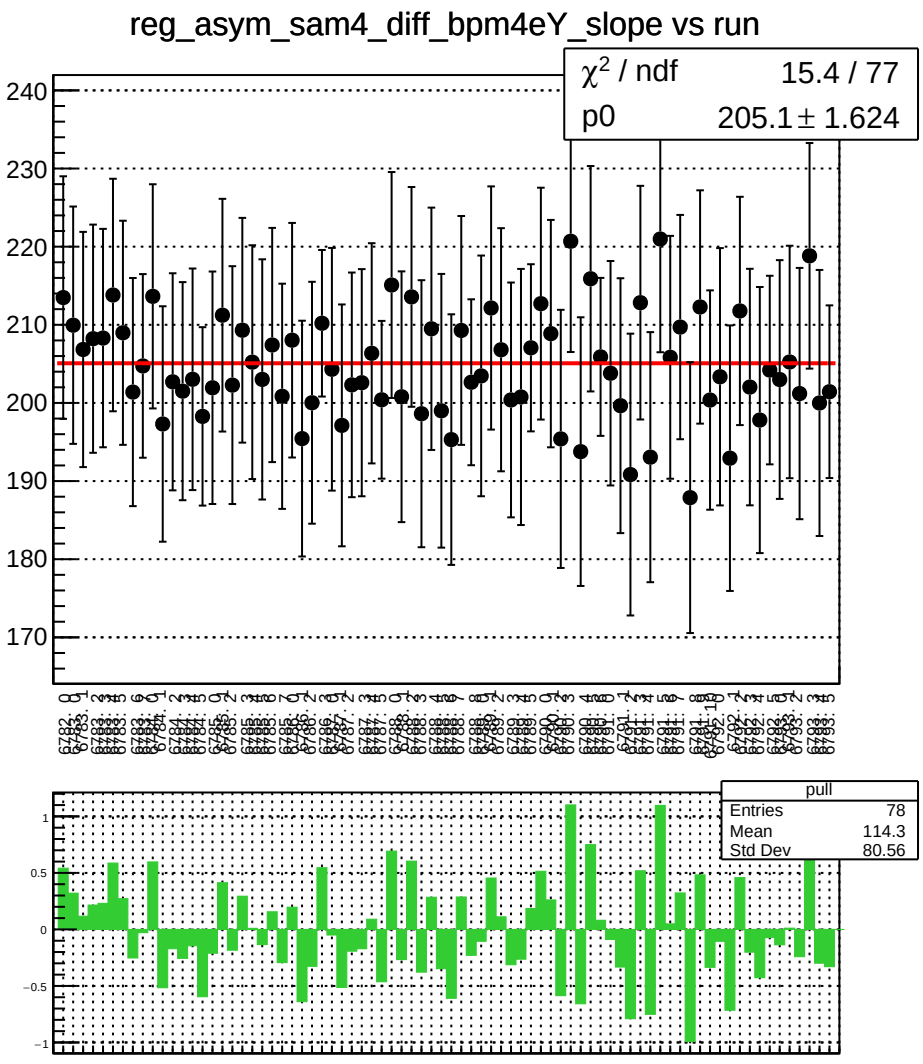

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.511 / 77
p0 0.1029 ± 0.04924
pull
Entries 78
Mean 7133
Std Dev 7095

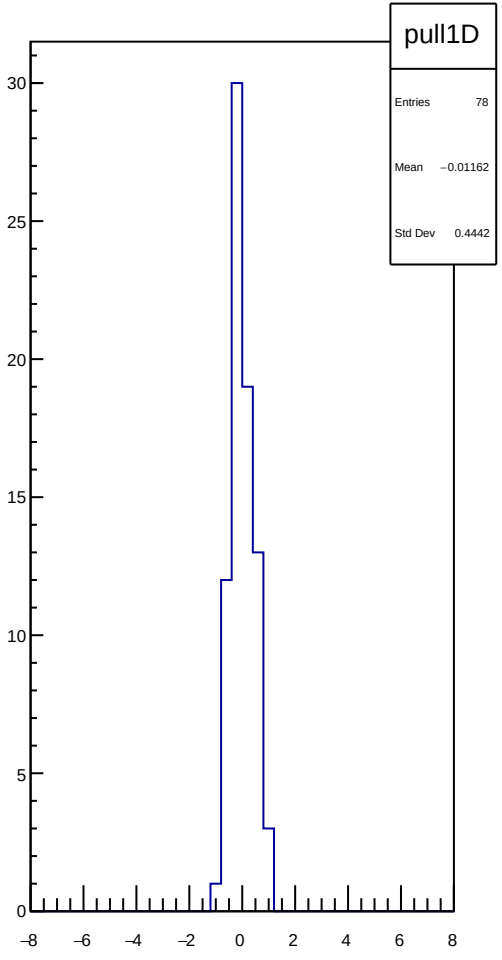

pull1D
Entries 78
Mean 0.0002822
Std Dev 0.1794

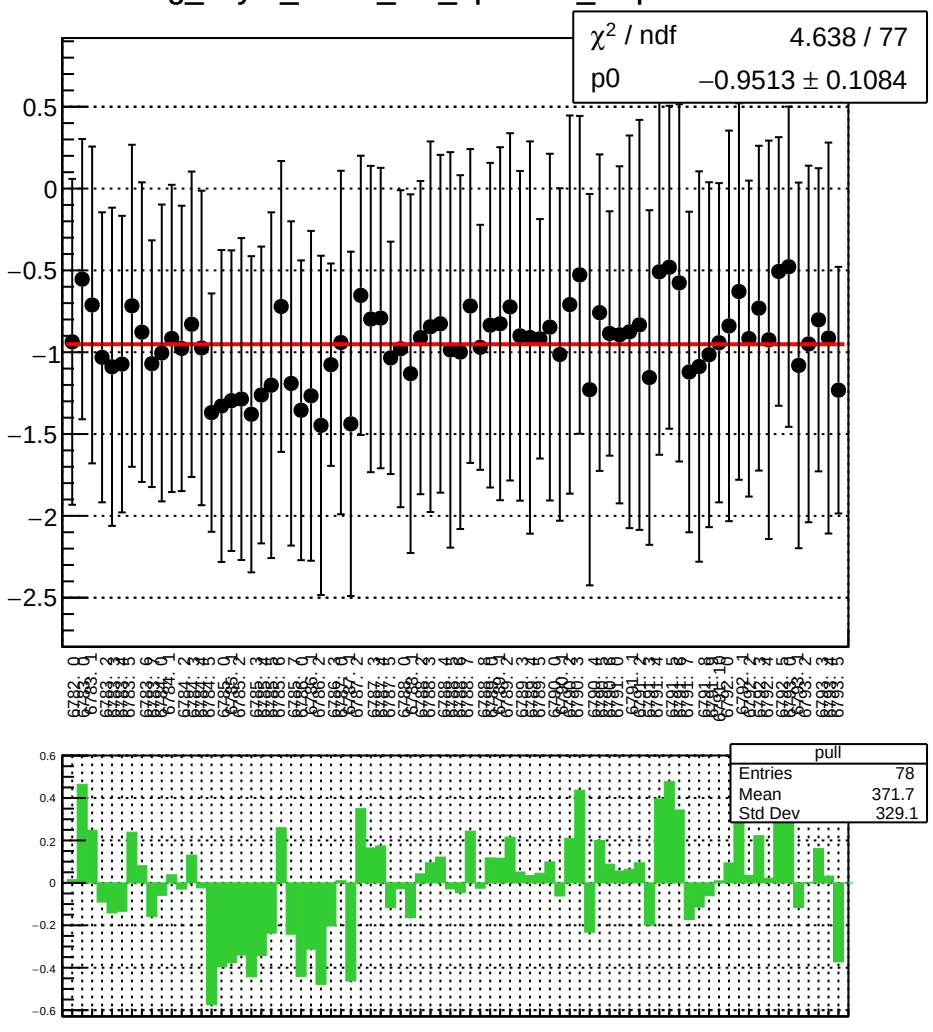

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.562 / 77
p0 −22.92 ± 2.477
pull
Entries 78
Mean −1.333e+04
Std Dev 1.337e+04
pull1D
Entries 78
Mean −0.0002635
Std Dev 0.2418

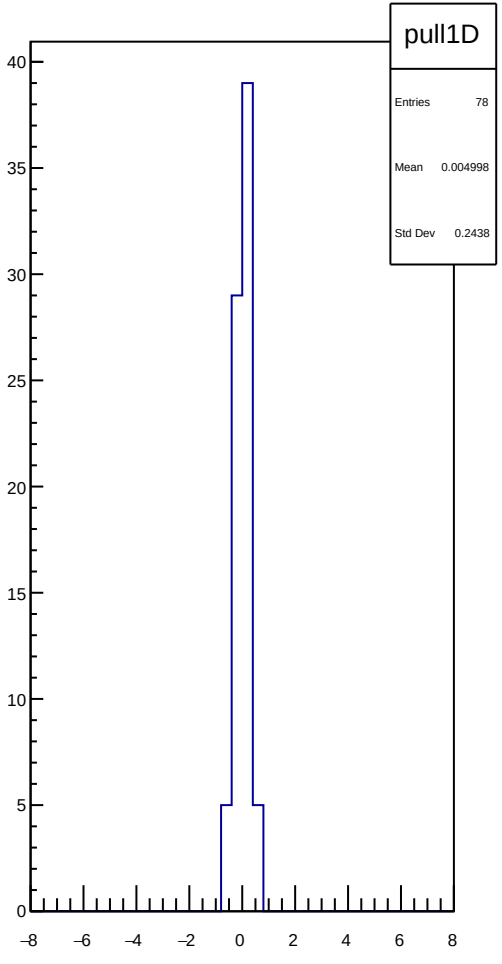

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 11.52 / 77
p0 12.03 ± 1.185
pull
Entries 78
Mean 1230
Std Dev 1194
pull1D
Entries 78
Mean 0.002433
Std Dev 0.3843

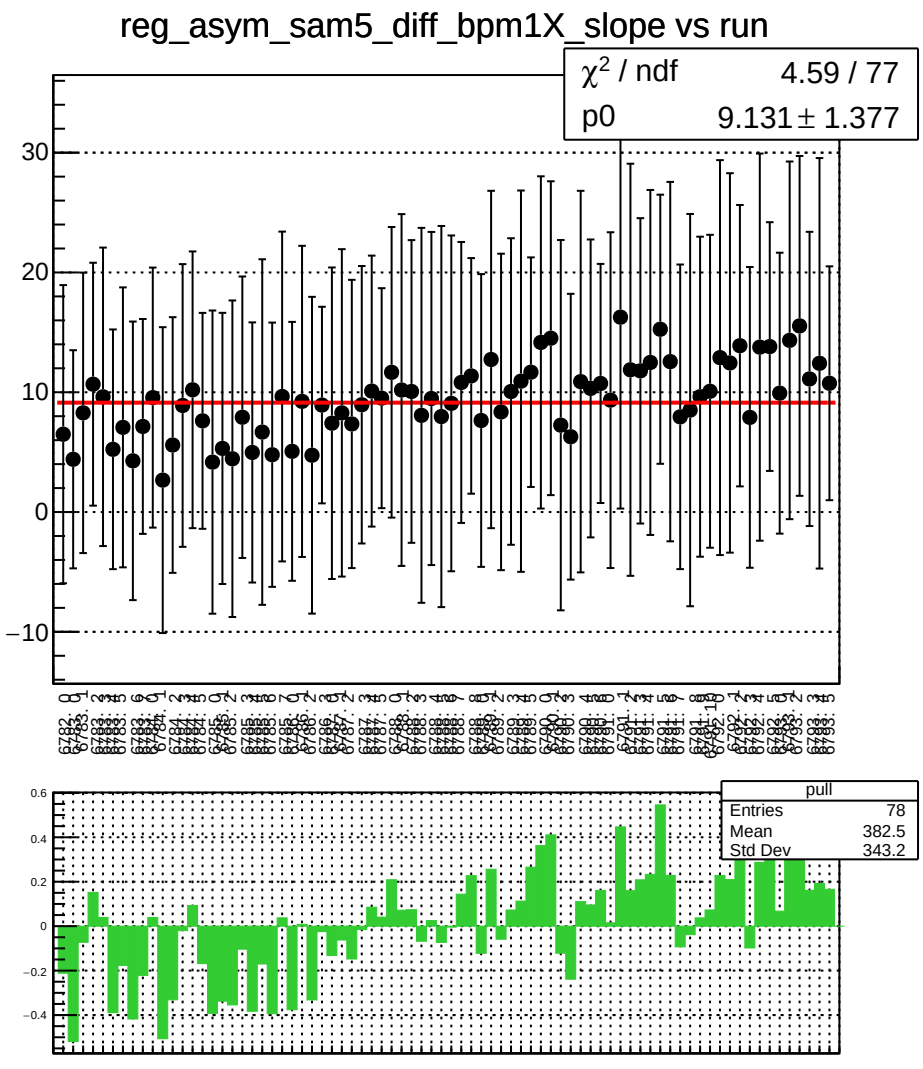

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.142 / 77
p0 −156.2 ± 2.314
pull
Entries 78
Mean 5548
Std Dev 5509
pull1D
Entries 78
Mean −0.0008804
Std Dev 0.3231

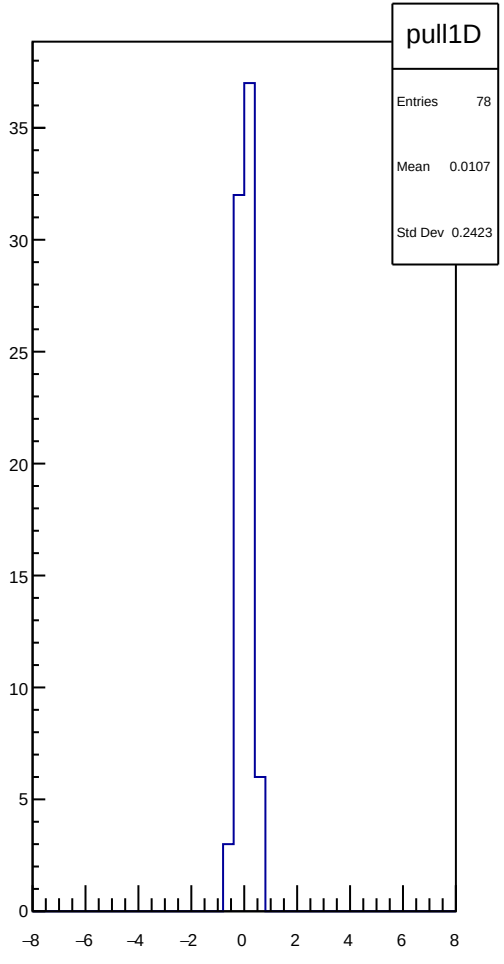

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 77
p0 205.1 ± 1.624
pull
Entries 78
Mean 114.3
Std Dev 80.56

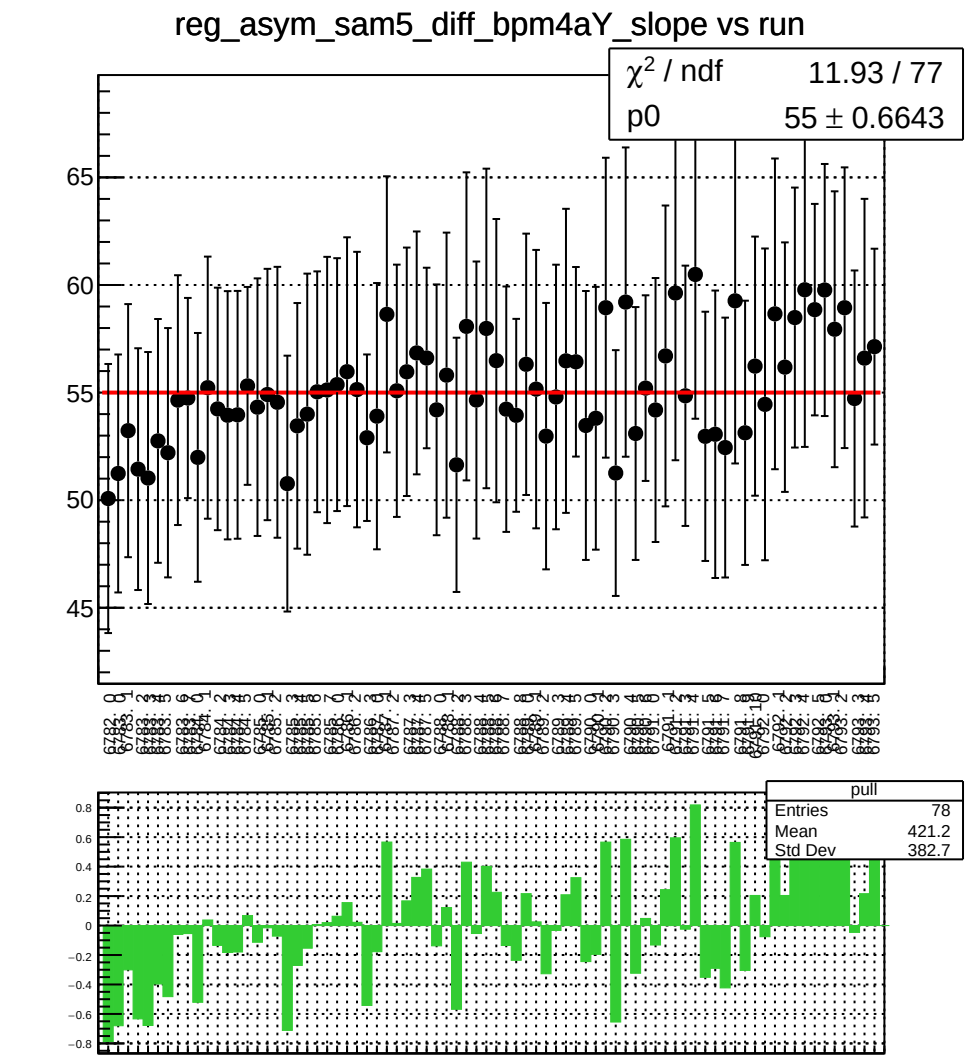

pull1D
Entries 78
Mean −0.01162
Std Dev 0.4442

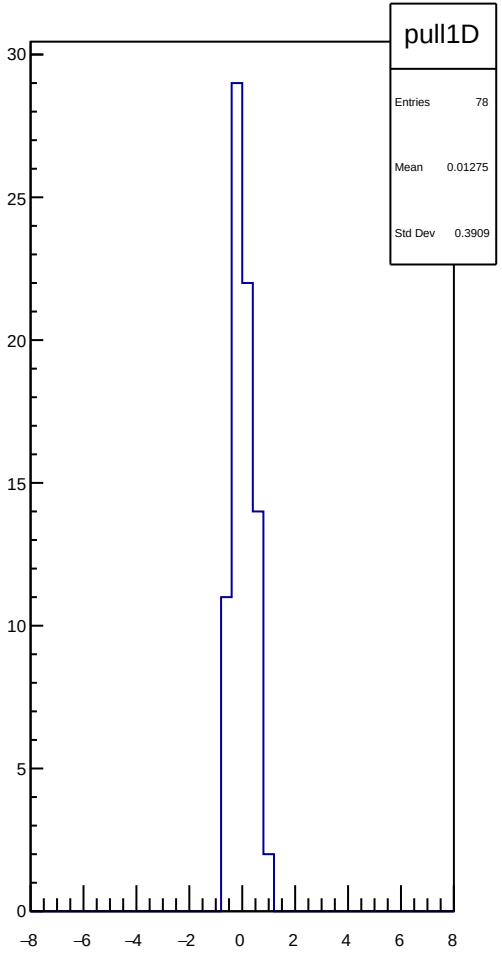

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.638 / 77
p0 −0.9513 ± 0.1084
pull
Entries 78
Mean 371.7
Std Dev 329.1

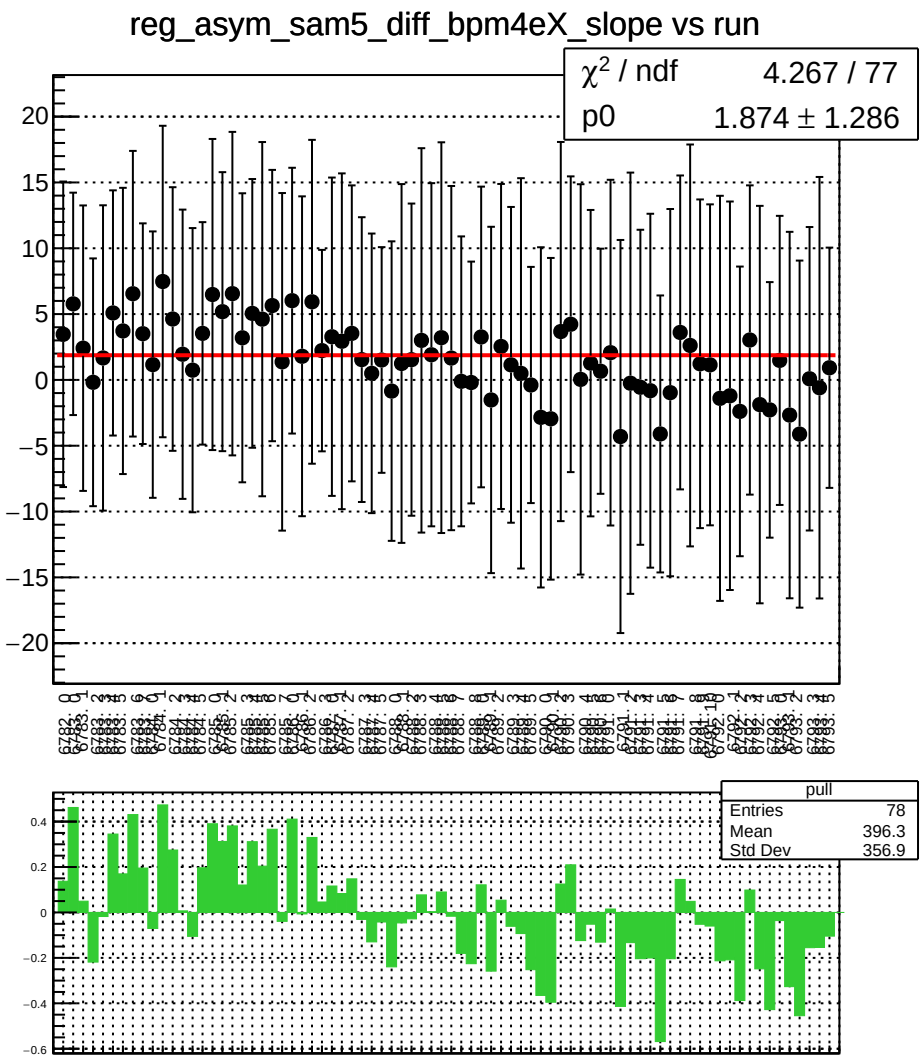

pull1D
Entries 78
Mean 0.004998
Std Dev 0.2438

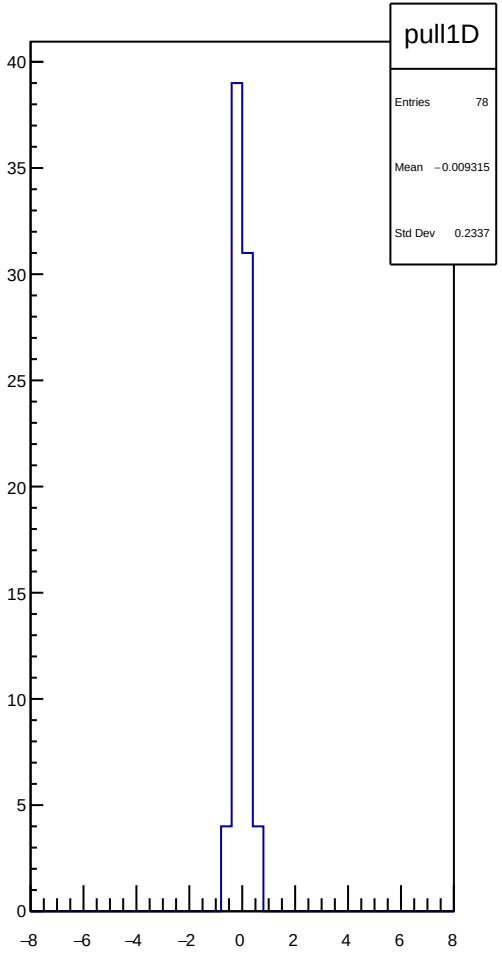

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 4.59 / 77
p0 9.131 ± 1.377
pull
Entries 78
Mean 382.5
Std Dev 343.2

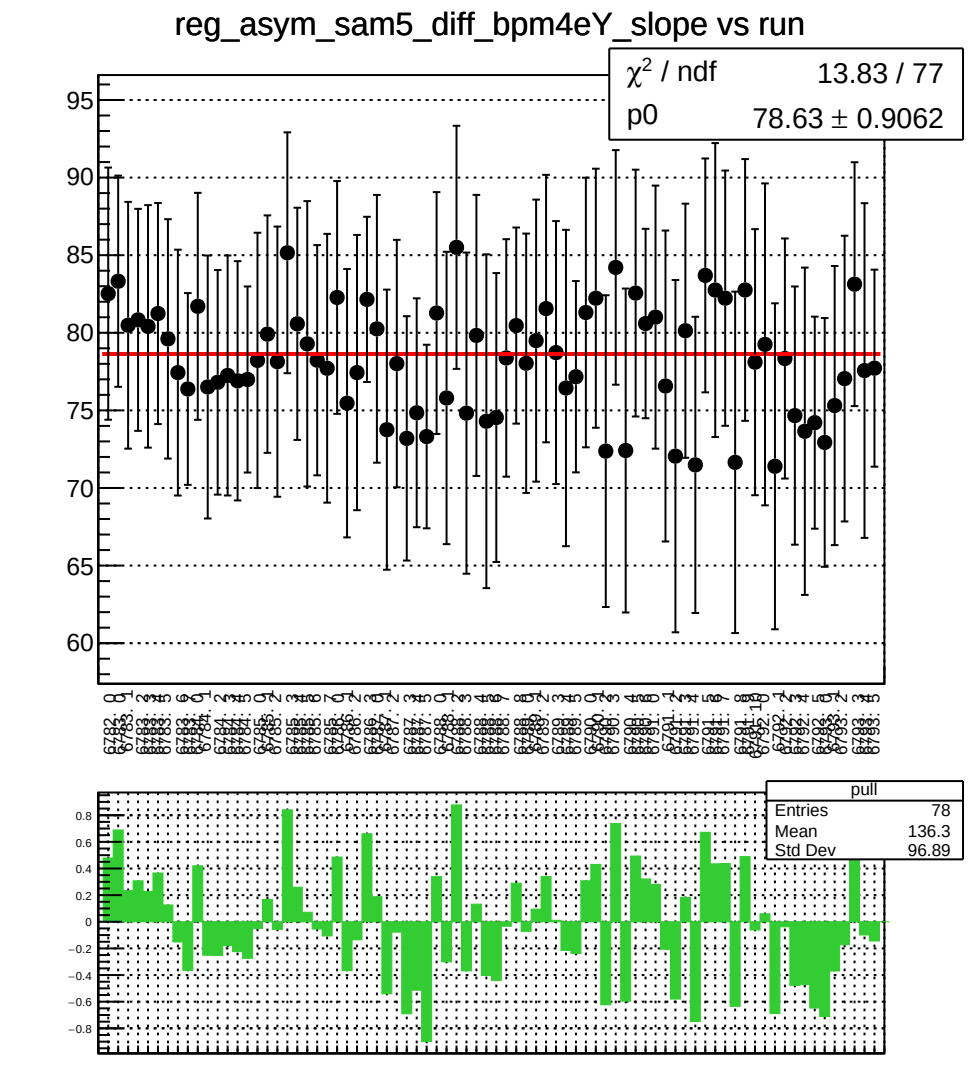

pull1D
Entries 78
Mean 0.0107
Std Dev 0.2423

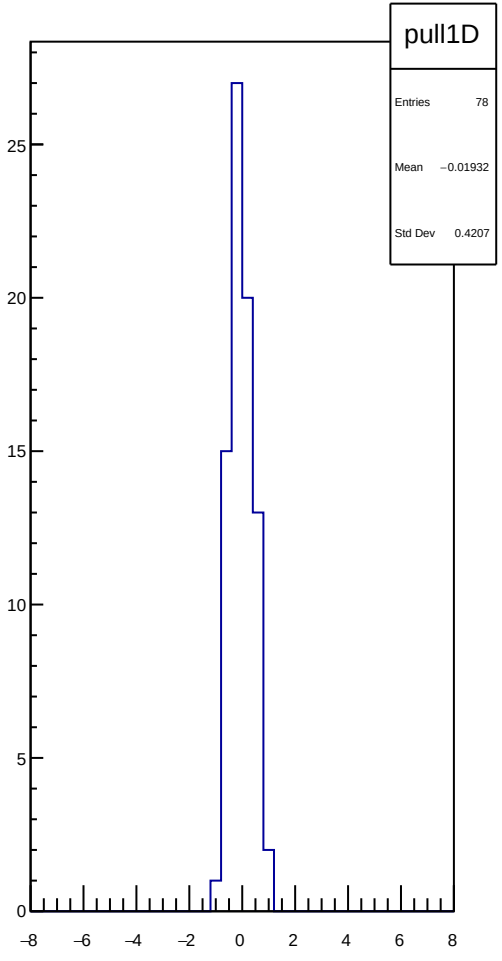

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 11.93 / 77
p0 55 ± 0.6643
pull
Entries 78
Mean 421.2
Std Dev 382.7

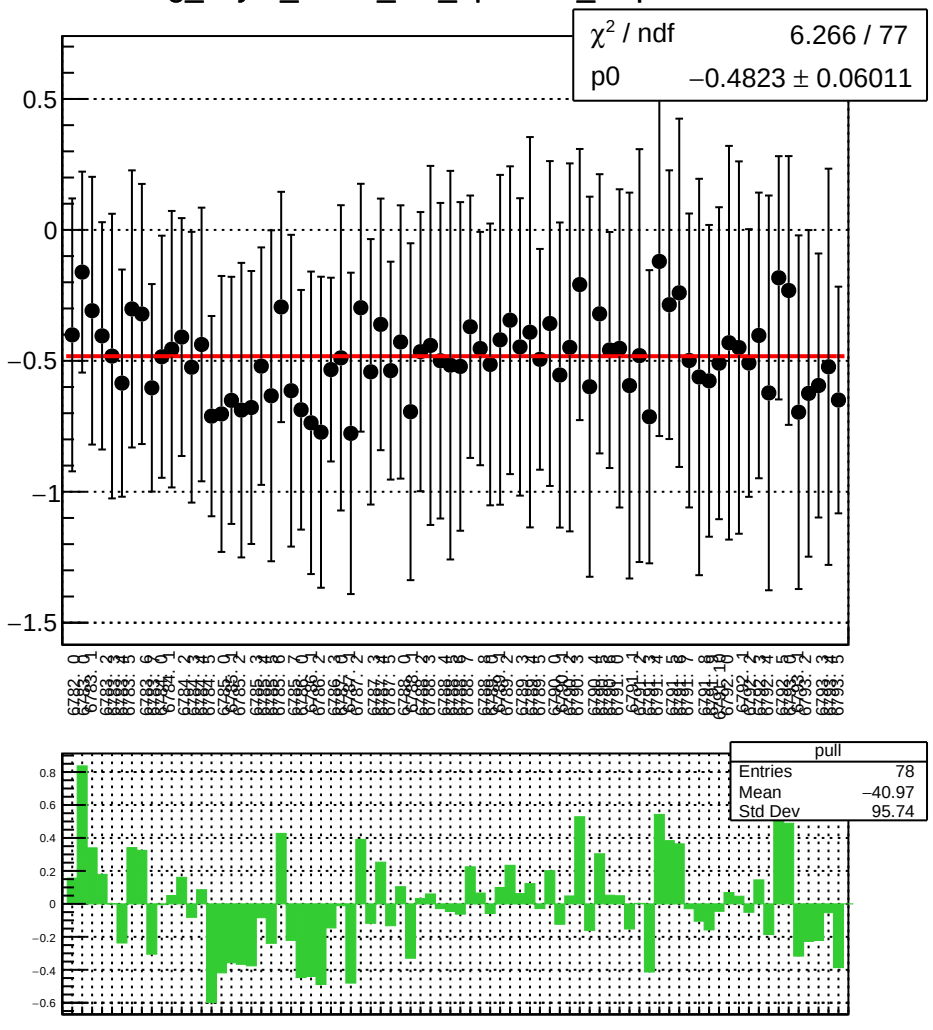

pull1D
Entries 78
Mean 0.01275
Std Dev 0.3909

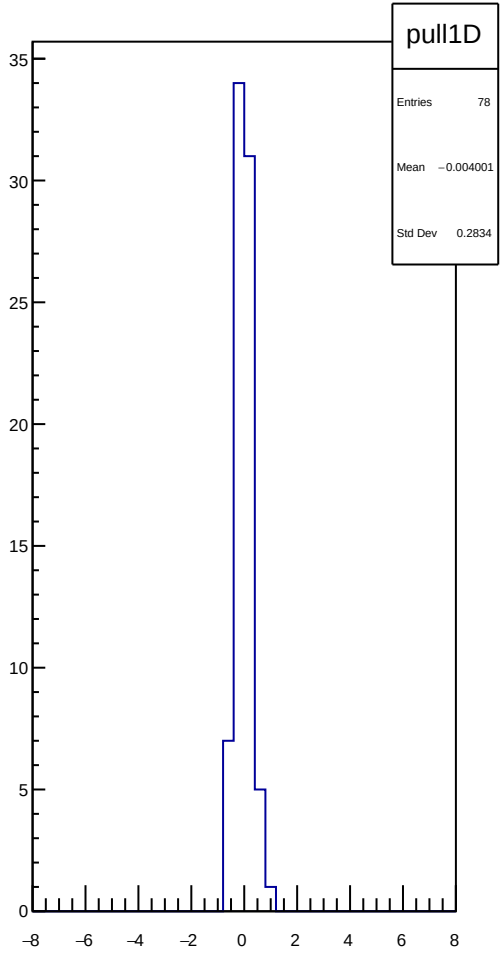

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 4.267 / 77
p0 1.874 ± 1.286
pull
Entries 78
Mean 396.3
Std Dev 356.9

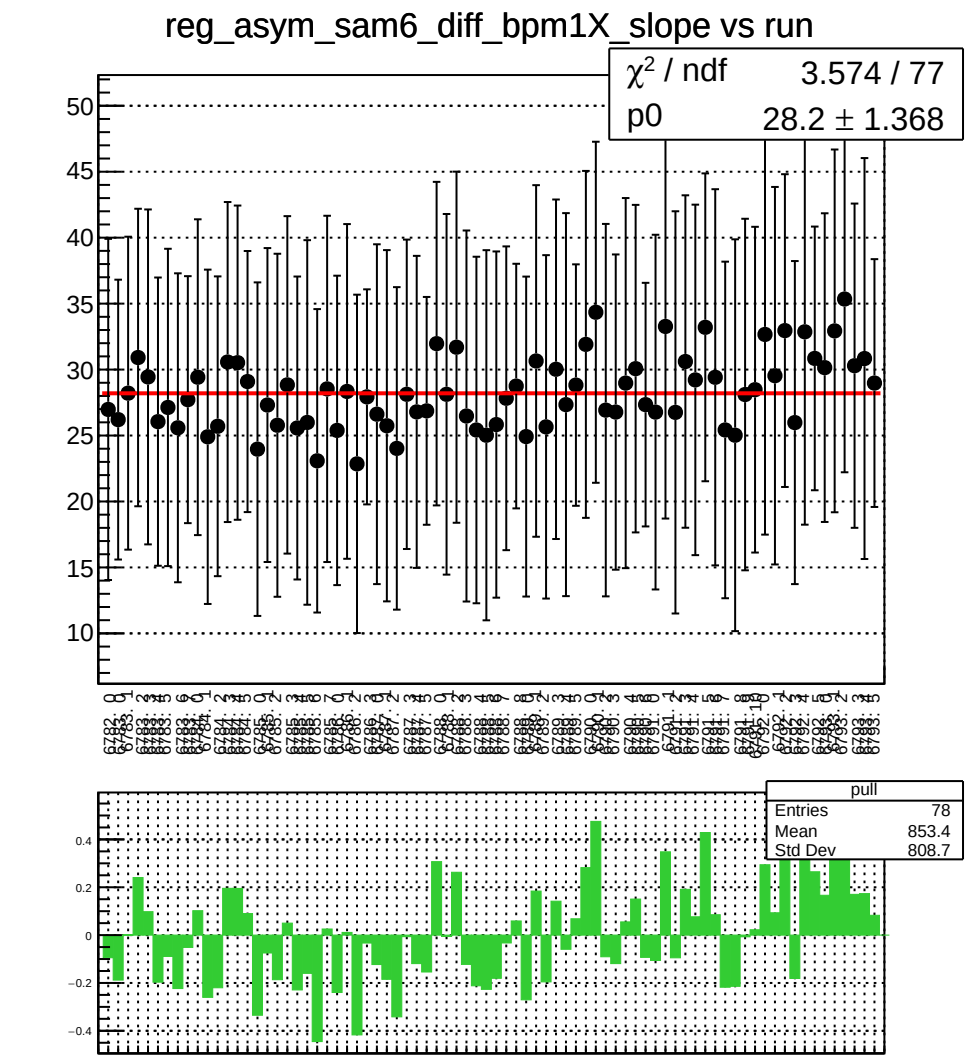

pull1D
Entries 78
Mean −0.009315
Std Dev 0.2337

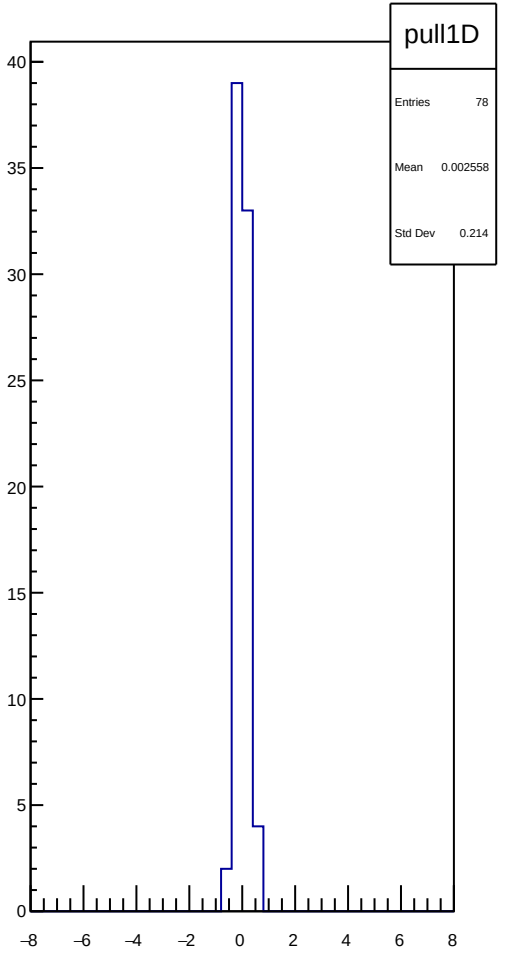

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 13.83 / 77
p0 78.63 ± 0.9062
pull
Entries 78
Mean 136.3
Std Dev 96.89

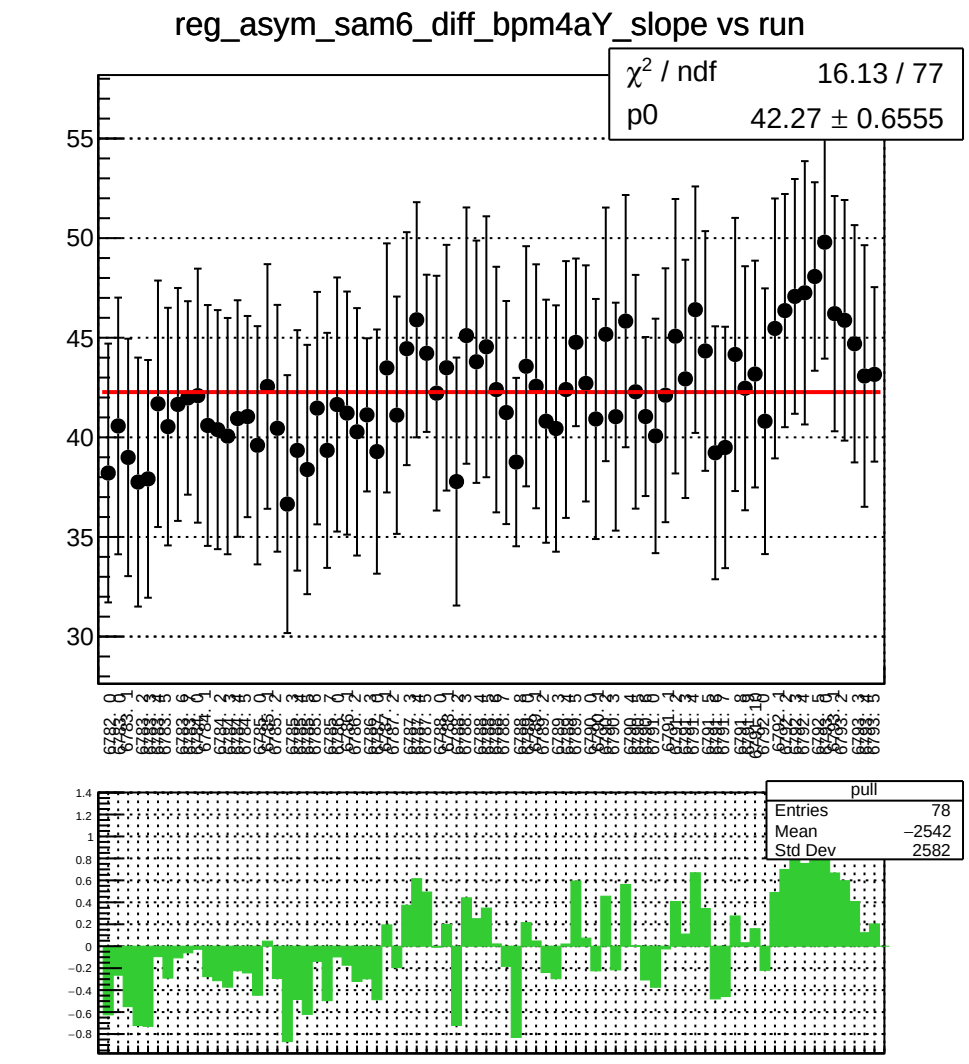

pull1D
Entries 78
Mean −0.01932
Std Dev 0.4207

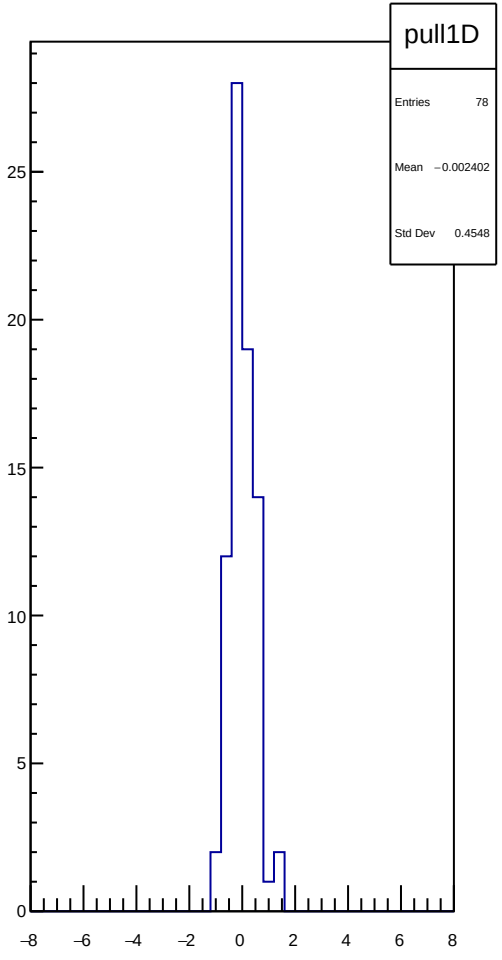

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 6.266 / 77
p0 −0.4823 ± 0.06011
pull
Entries 78
Mean −40.97
Std Dev 95.74

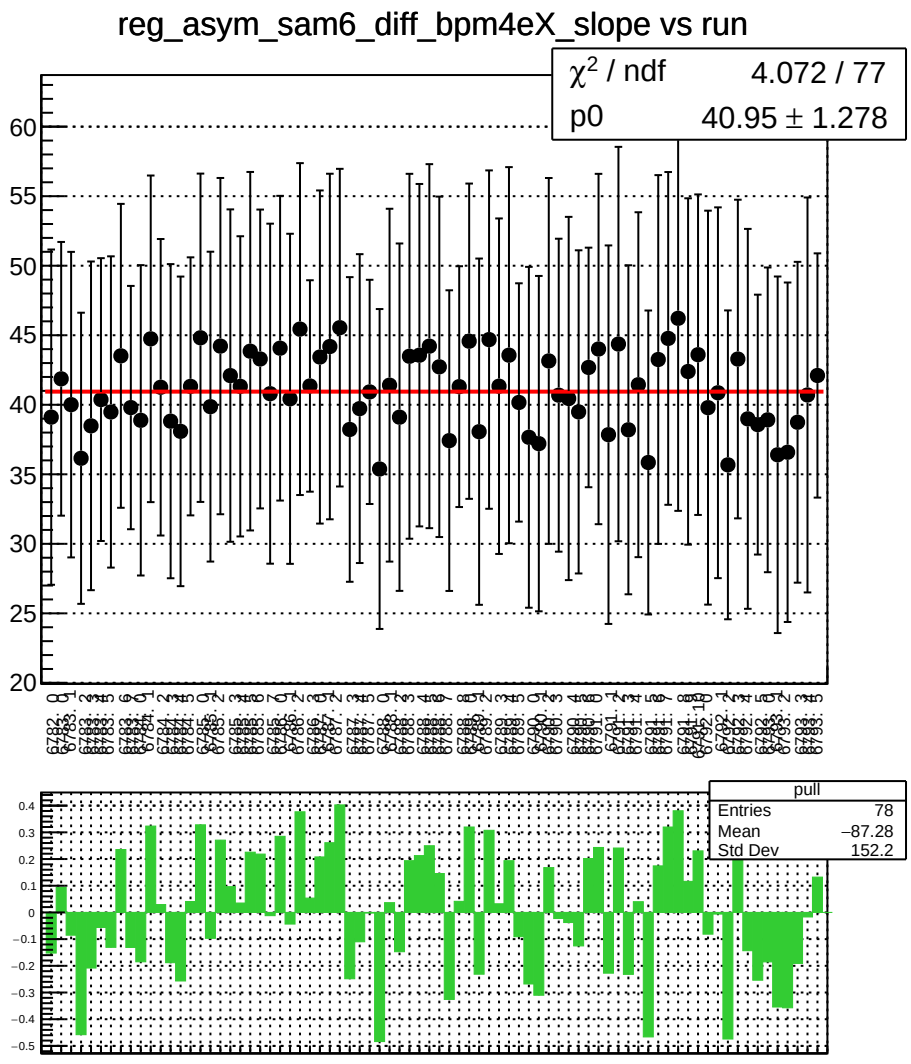

pull1D
Entries 78
Mean −0.004001
Std Dev 0.2834

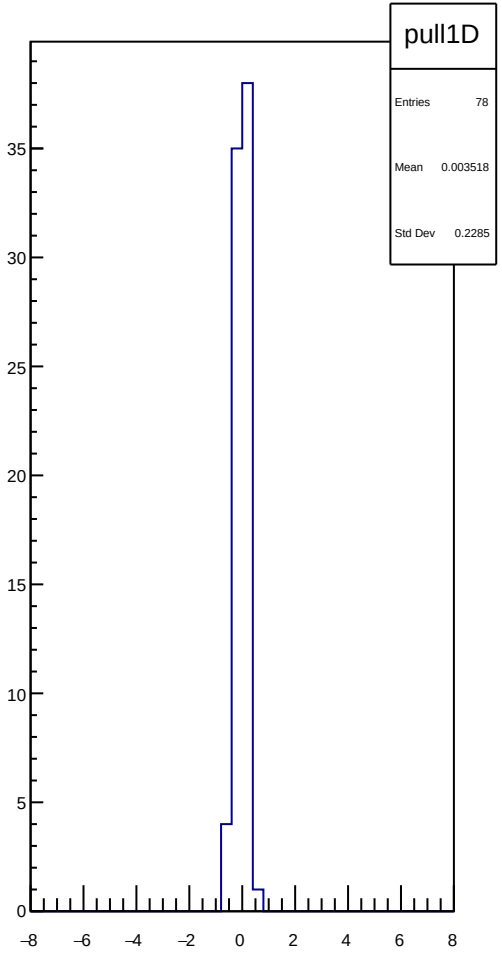

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.574 / 77
p0 28.2 ± 1.368
pull
Entries 78
Mean 853.4
Std Dev 808.7

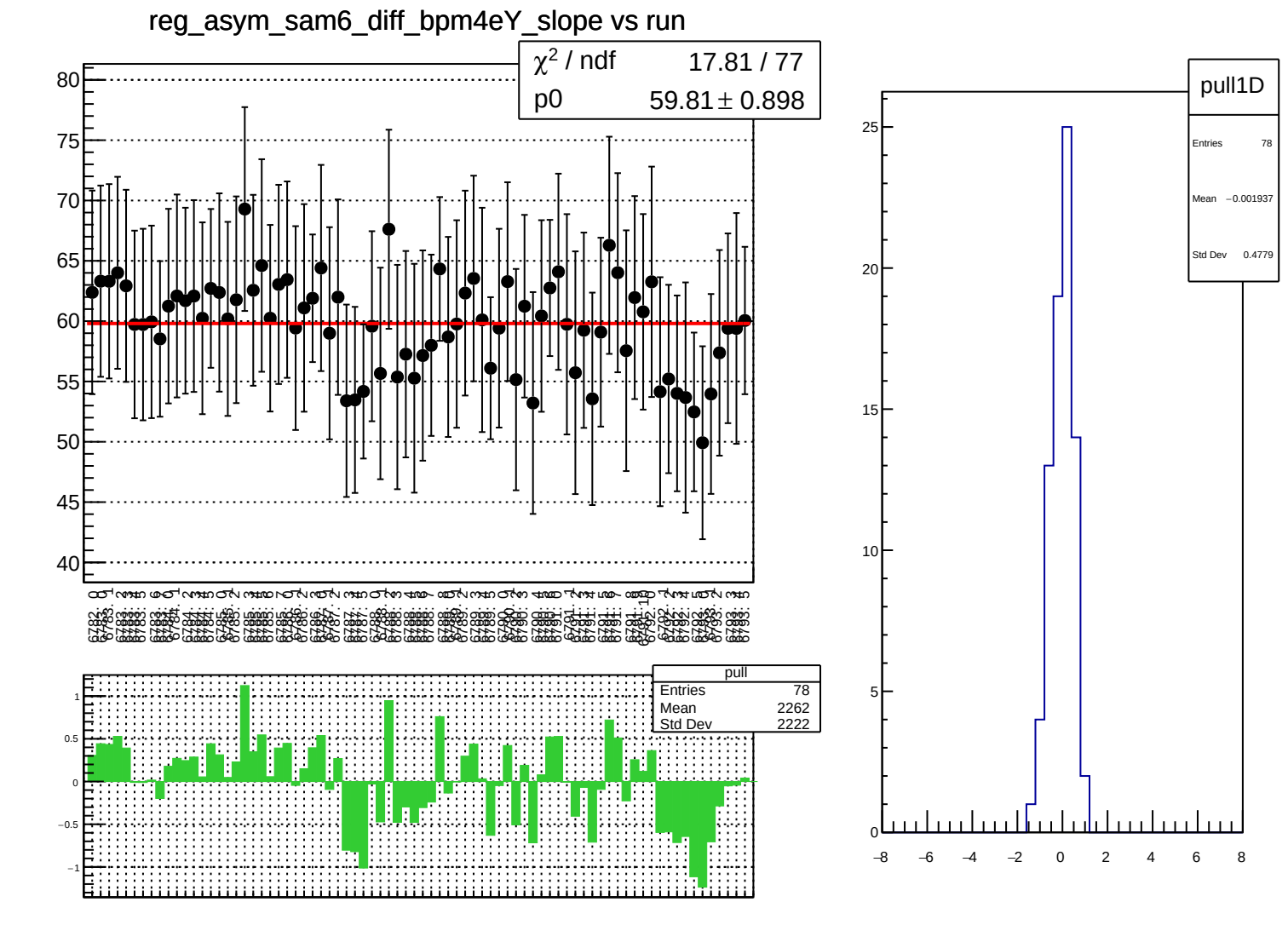

pull1D
Entries 78
Mean 0.002558
Std Dev 0.214

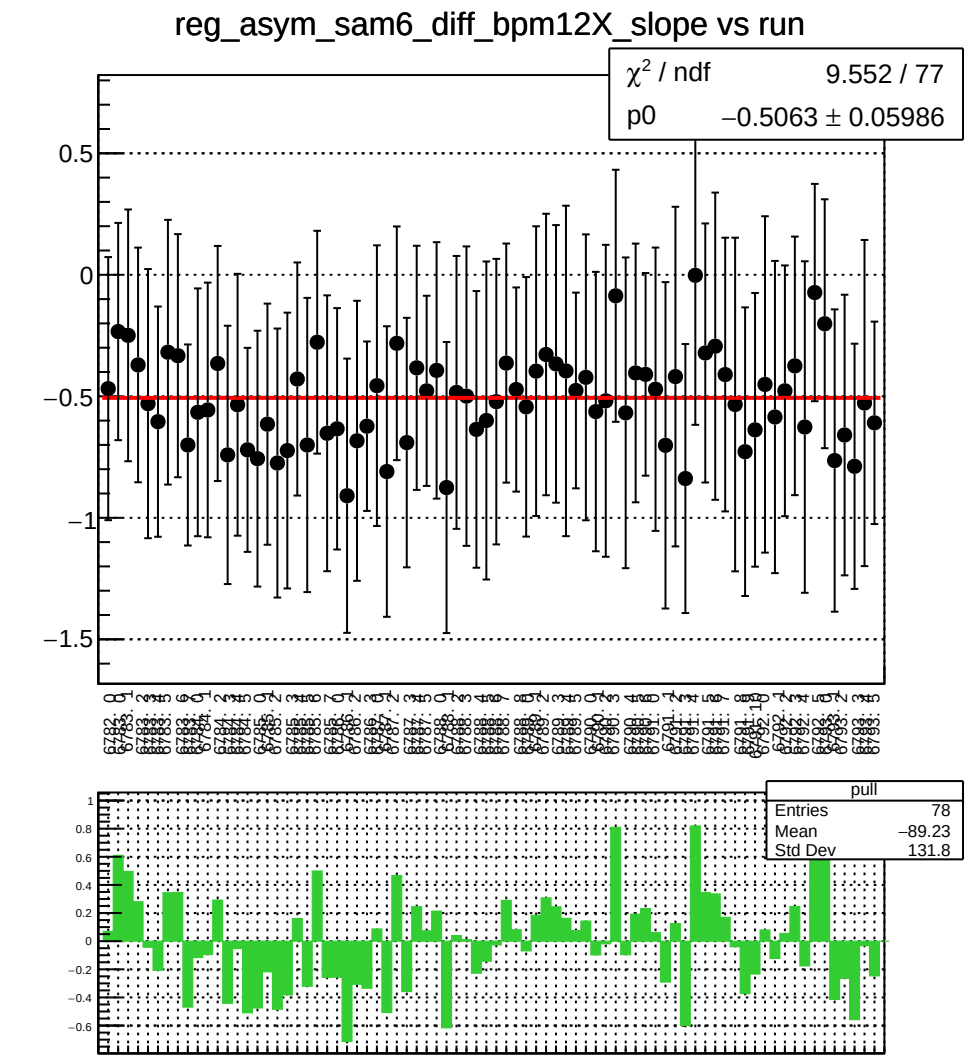

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 16.13 / 77
p0 42.27 ± 0.6555
pull
Entries 78
Mean −2542
Std Dev 2582

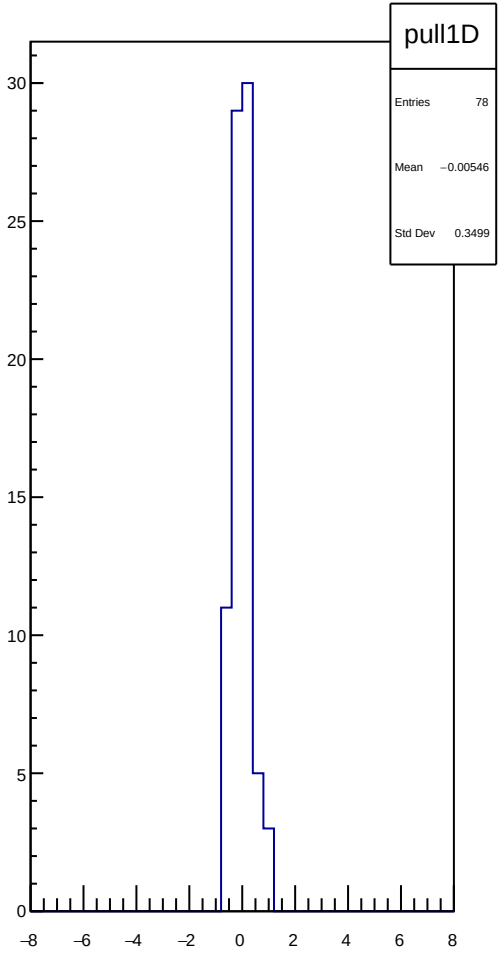

pull1D
Entries 78
Mean −0.002402
Std Dev 0.4548

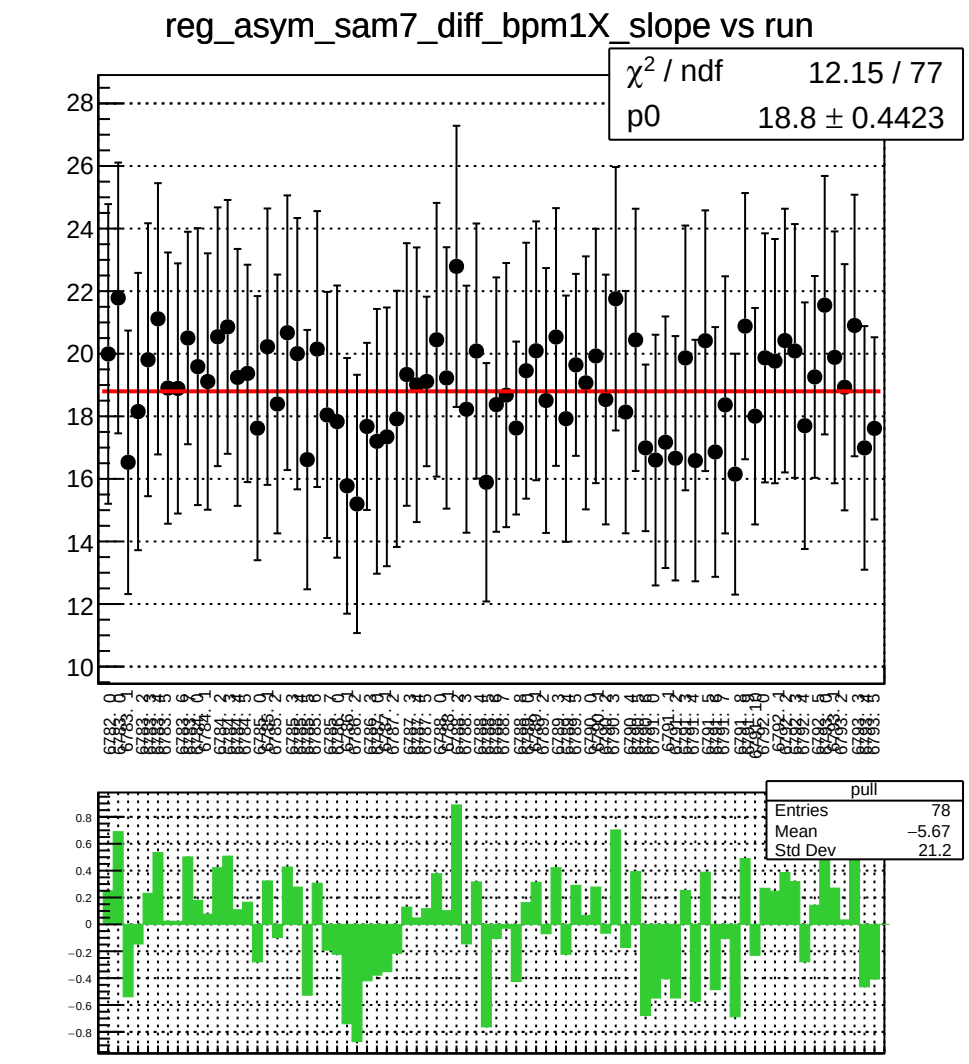

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.072 / 77
p0 40.95 ± 1.278
pull
Entries 78
Mean −87.28
Std Dev 152.2

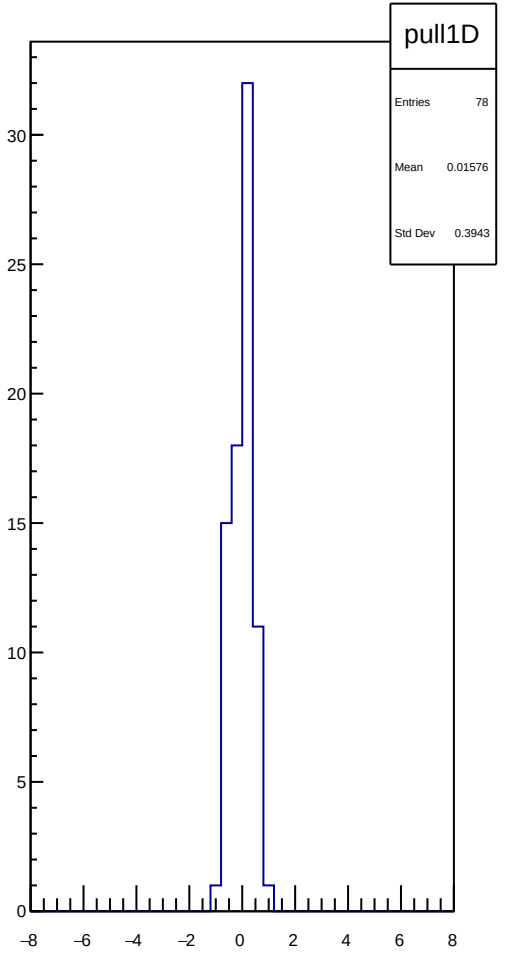

pull1D
Entries 78
Mean 0.003518
Std Dev 0.2285

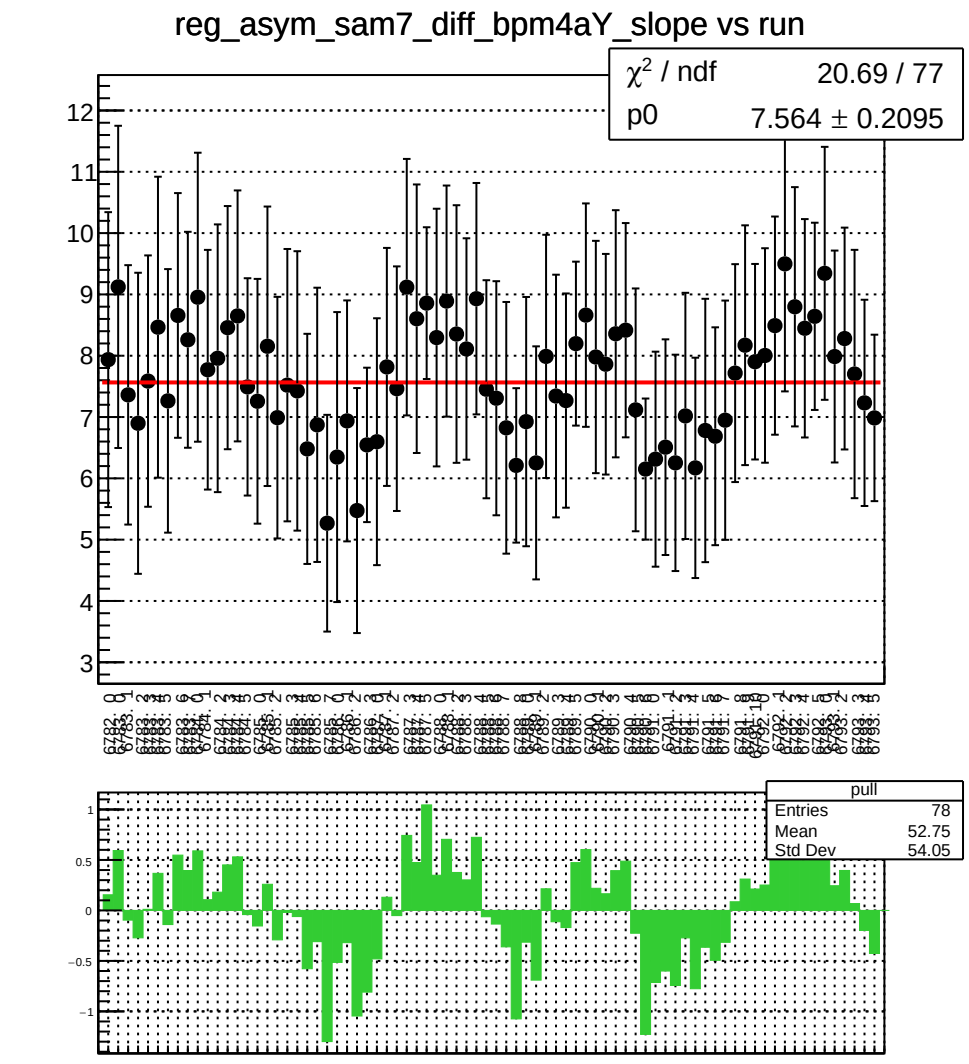

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 17.81 / 77
p0 59.81 ± 0.898
pull
Entries 78
Mean 2262
Std Dev 2222
pull1D
Entries 78
Mean −0.001937
Std Dev 0.4779

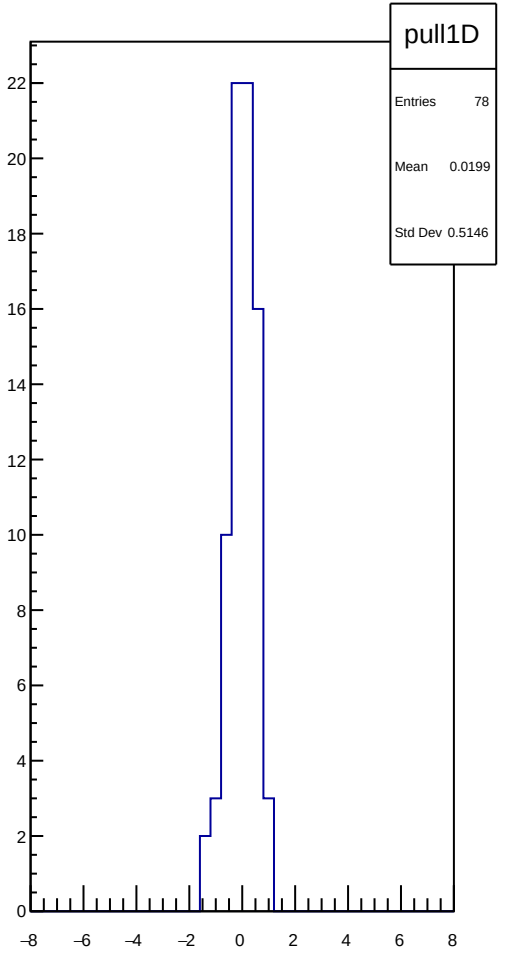

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 9.552 / 77
p0 −0.5063 ± 0.05986
pull
Entries 78
Mean −89.23
Std Dev 131.8

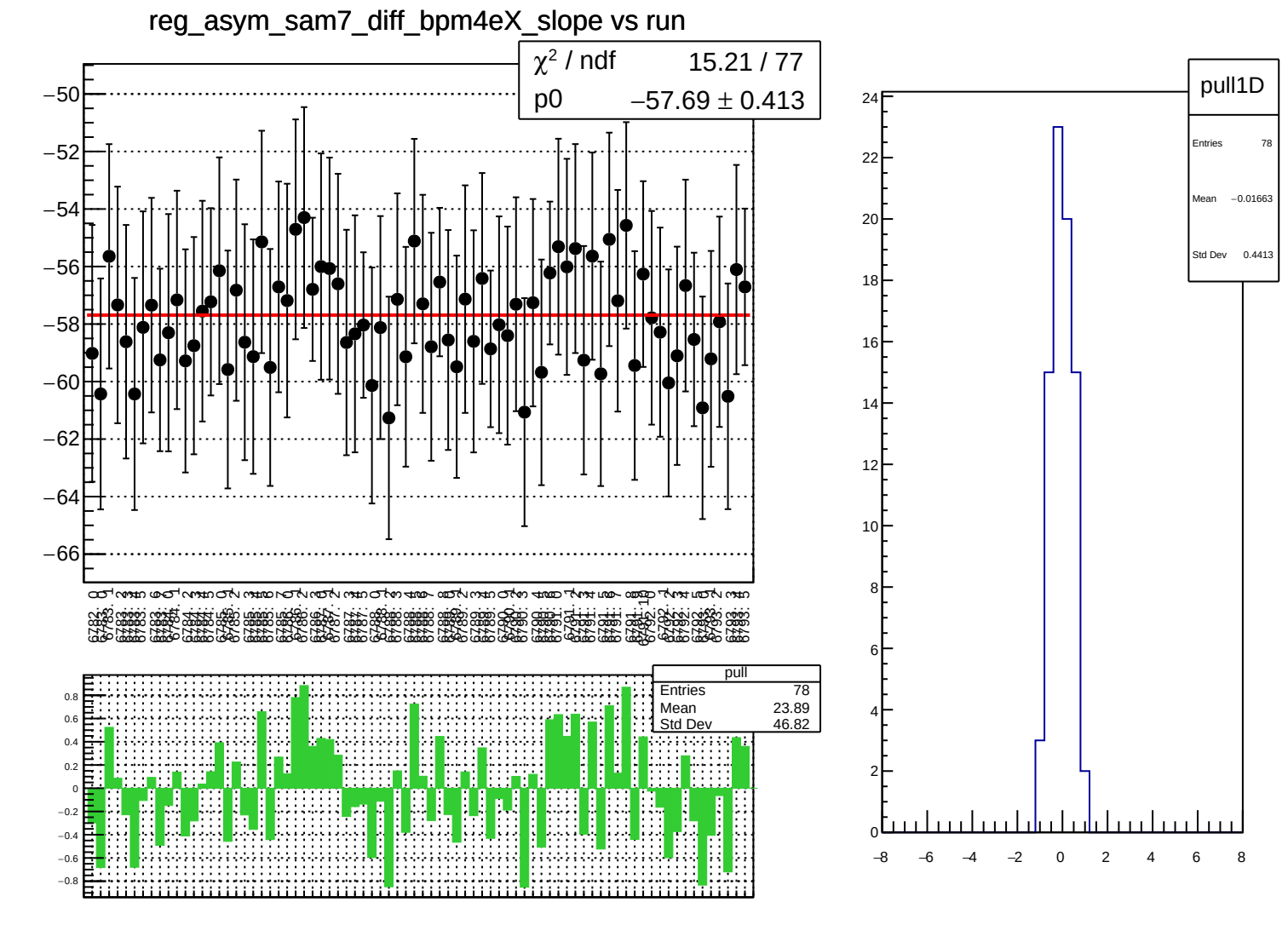

pull1D
Entries 78
Mean −0.00546
Std Dev 0.3499

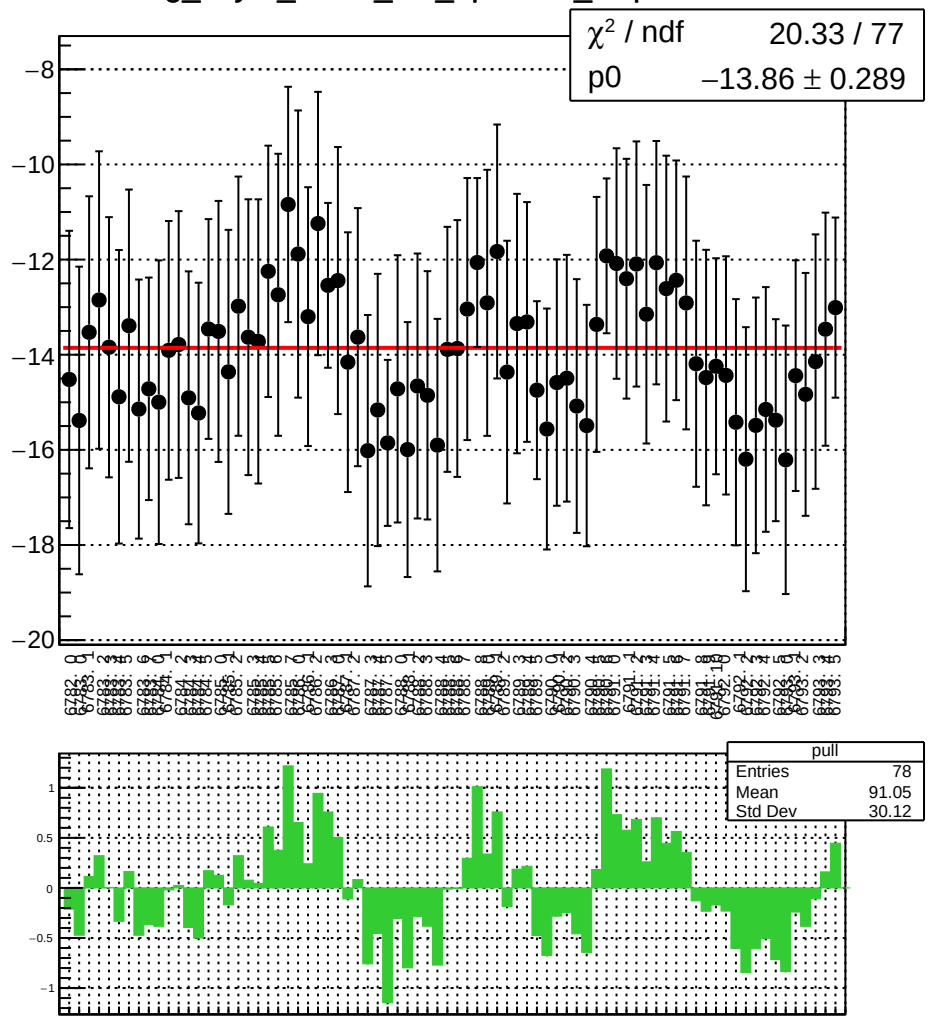

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 12.15 / 77
p0 18.8 ± 0.4423
pull
Entries 78
Mean −5.67
Std Dev 21.2

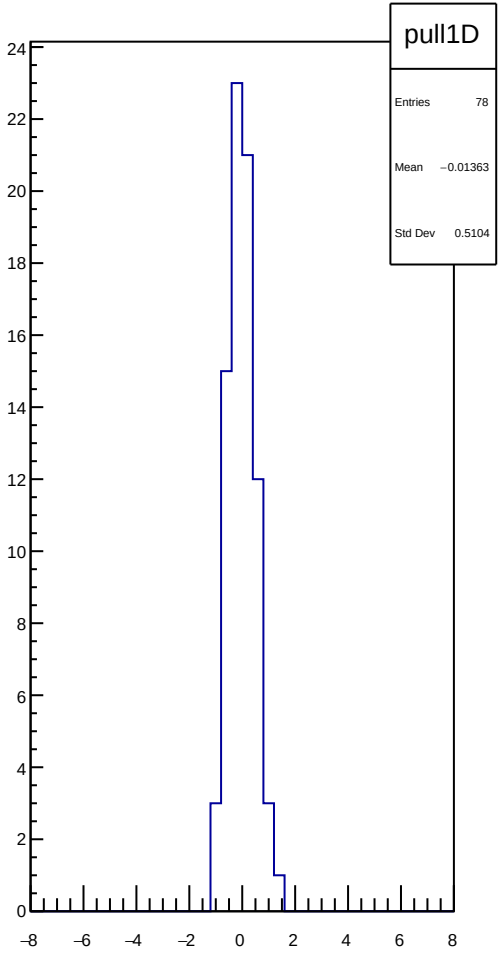

pull1D
Entries 78
Mean 0.01576
Std Dev 0.3943

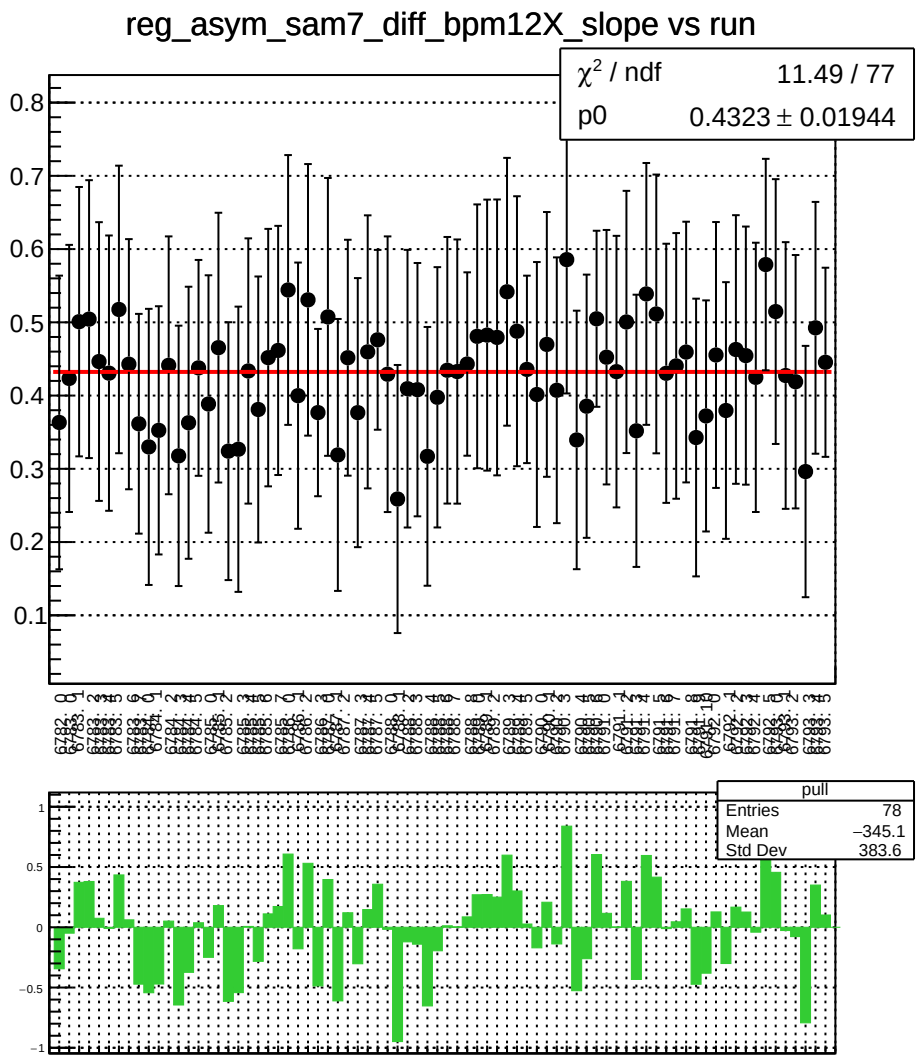

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 20.69 / 77
p0 7.564 ± 0.2095
pull
Entries 78
Mean 52.75
Std Dev 54.05

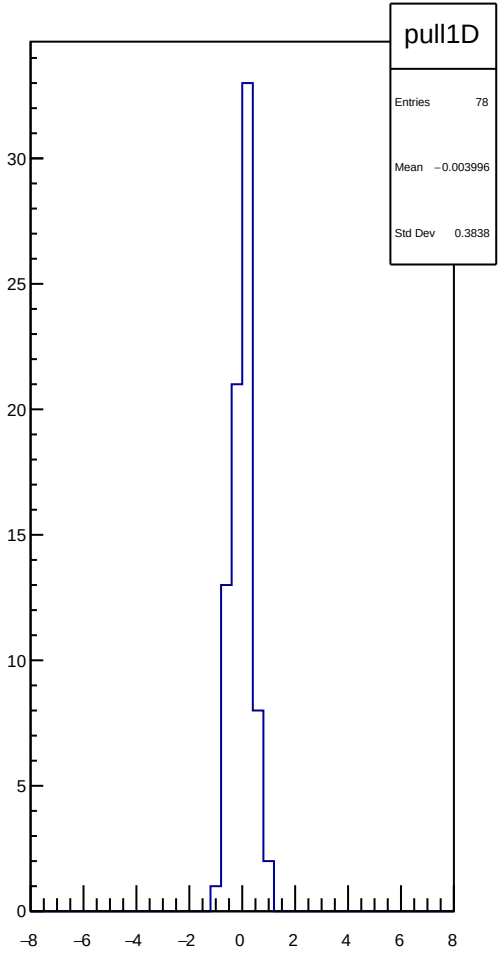

pull1D
Entries 78
Mean 0.0199
Std Dev 0.5146

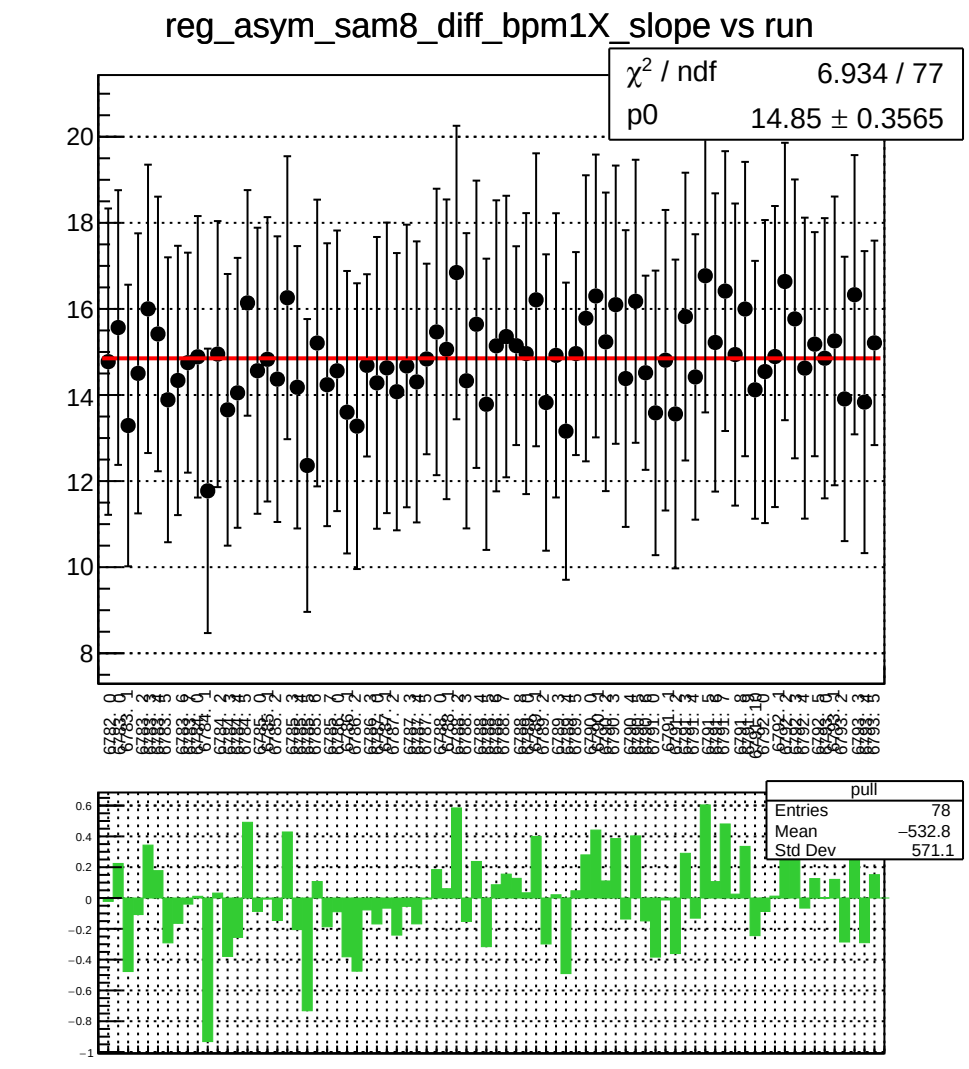

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 15.21 / 77
p0 −57.69 ± 0.413
pull
Entries 78
Mean 23.89
Std Dev 46.82
pull1D
Entries 78
Mean −0.01663
Std Dev 0.4413

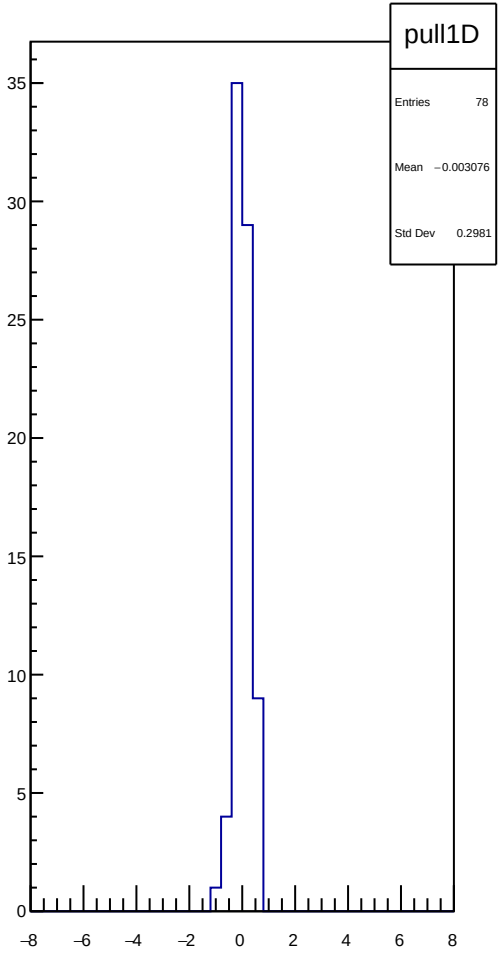

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 20.33 / 77
p0 −13.86 ± 0.289
pull
Entries 78
Mean 91.05
Std Dev 30.12

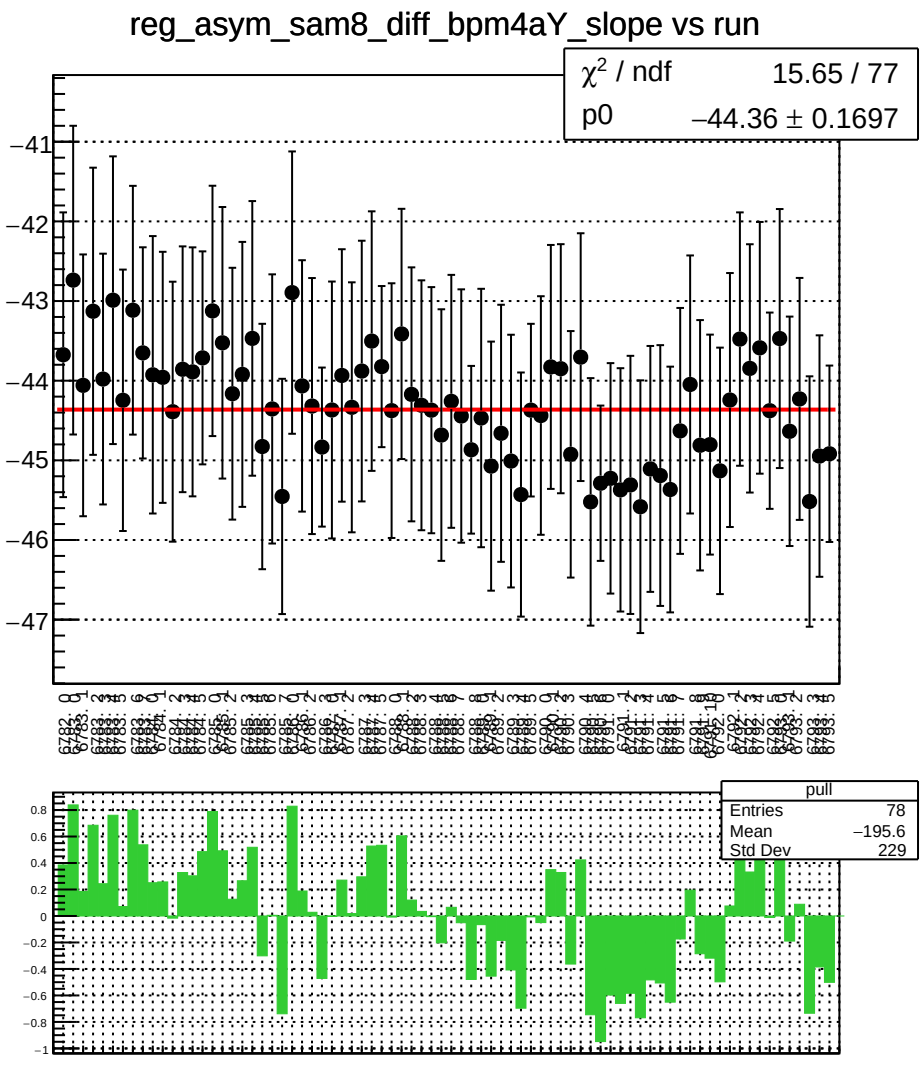

pull1D
Entries 78
Mean −0.01363
Std Dev 0.5104

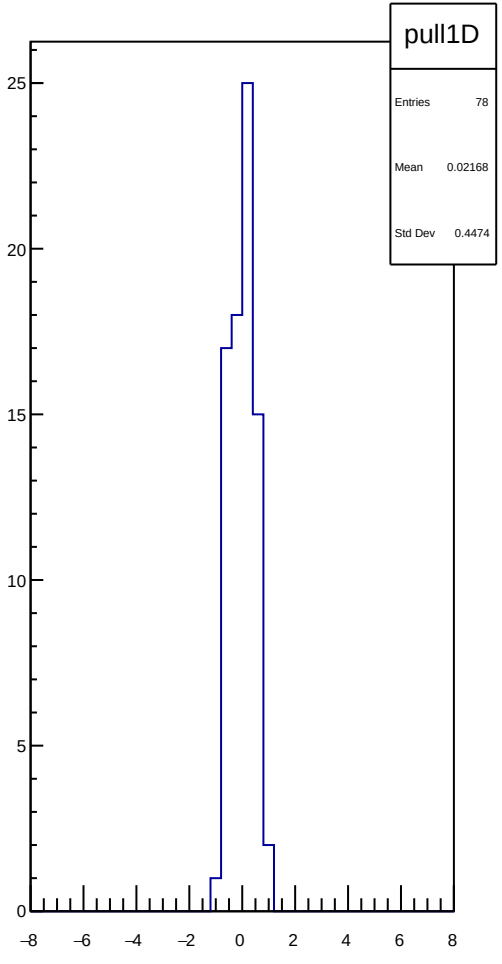

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.49 / 77
p0 0.4323 ± 0.01944
pull
Entries 78
Mean −345.1
Std Dev 383.6

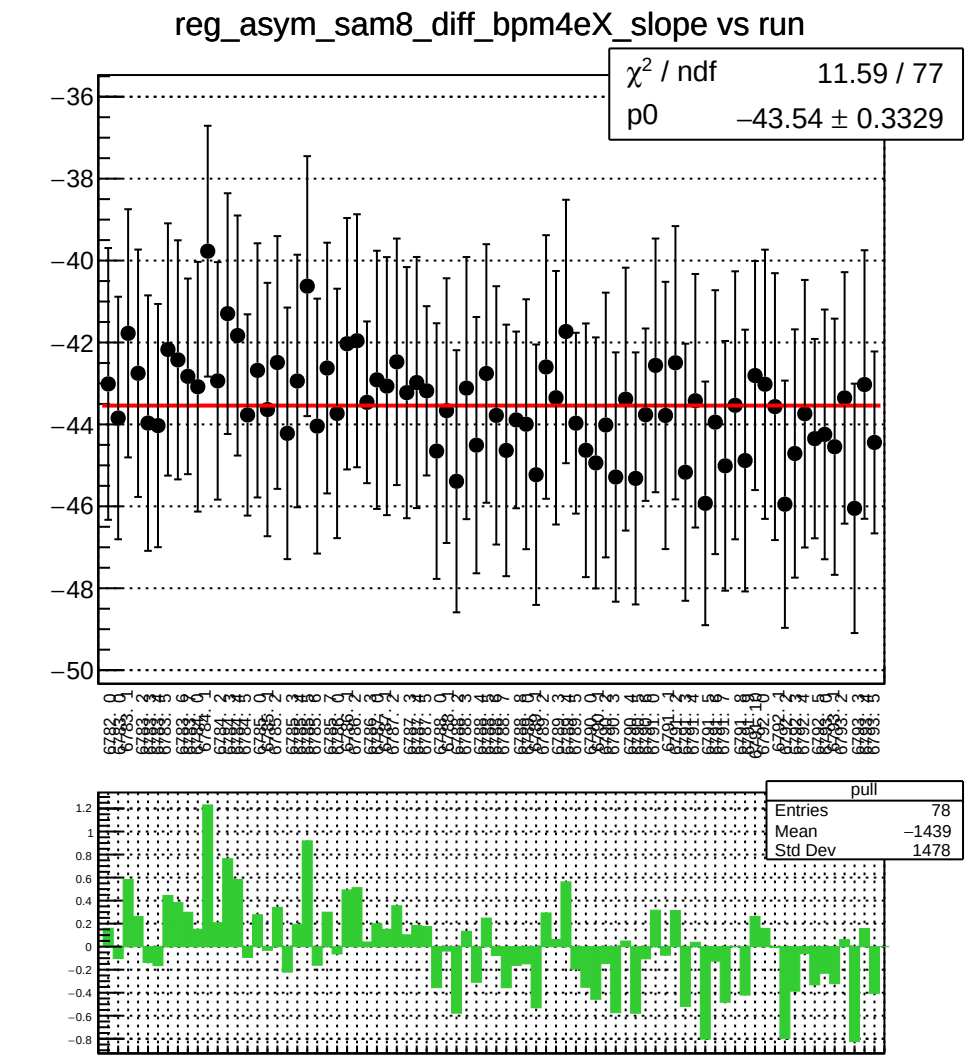

pull1D
Entries 78
Mean −0.003996
Std Dev 0.3838

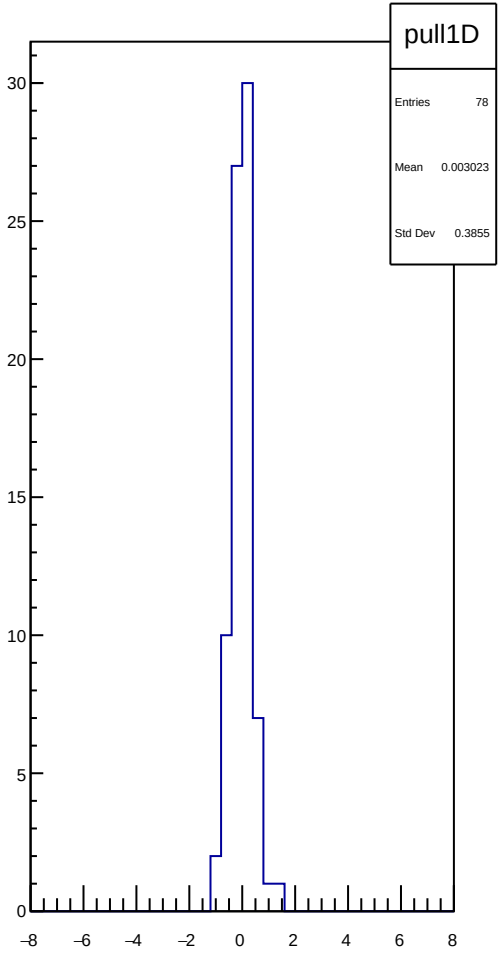

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 6.934 / 77
p0 14.85 ± 0.3565
pull
Entries 78
Mean −532.8
Std Dev 571.1

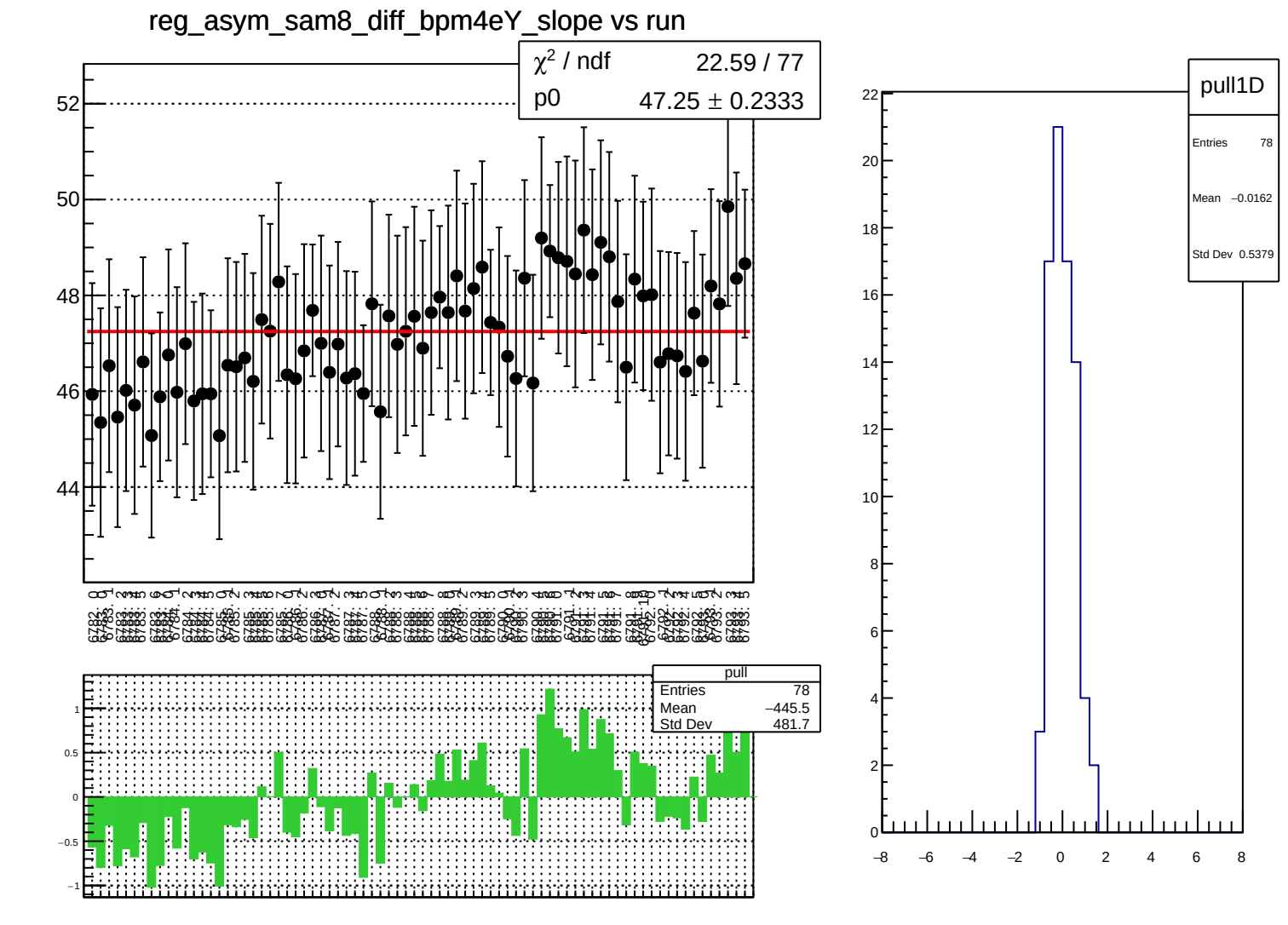

pull1D
Entries 78
Mean −0.003076
Std Dev 0.2981

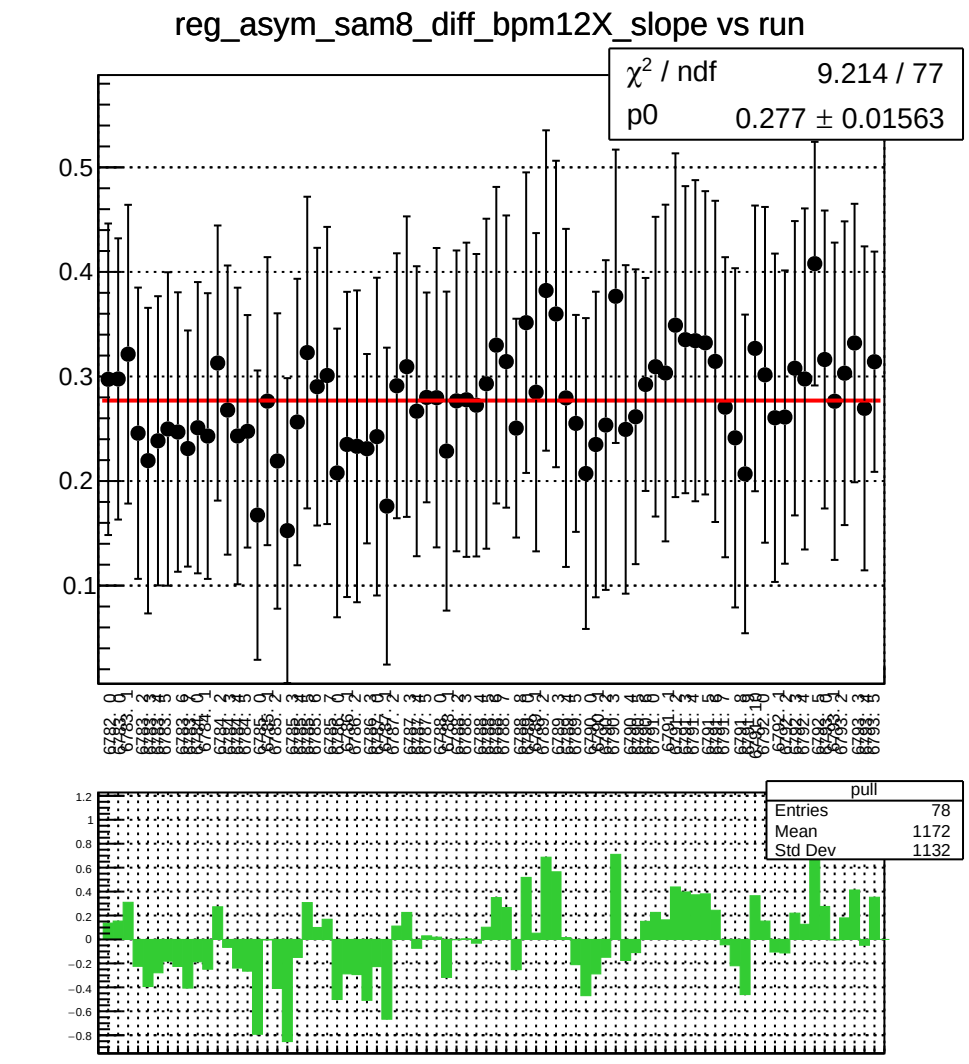

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 15.65 / 77
p0 −44.36 ± 0.1697
pull
Entries 78
Mean −195.6
Std Dev 229

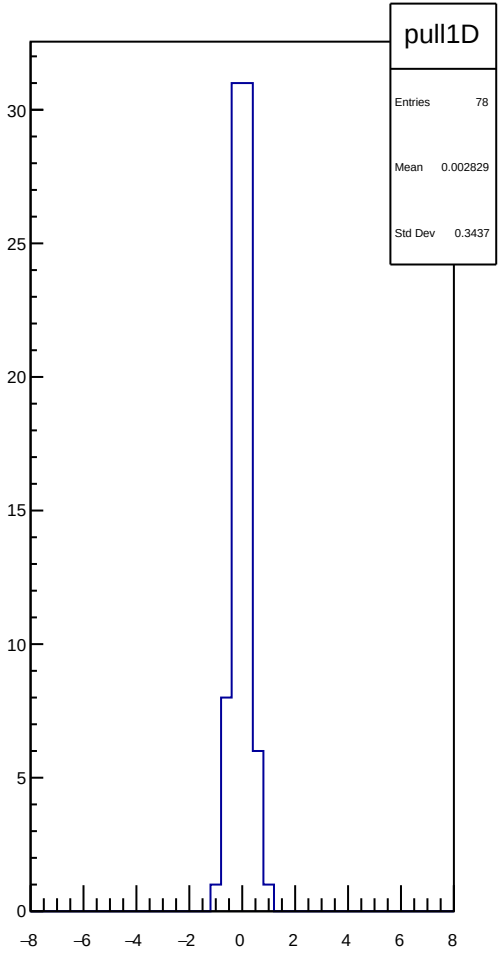

pull1D
Entries 78
Mean 0.02168
Std Dev 0.4474

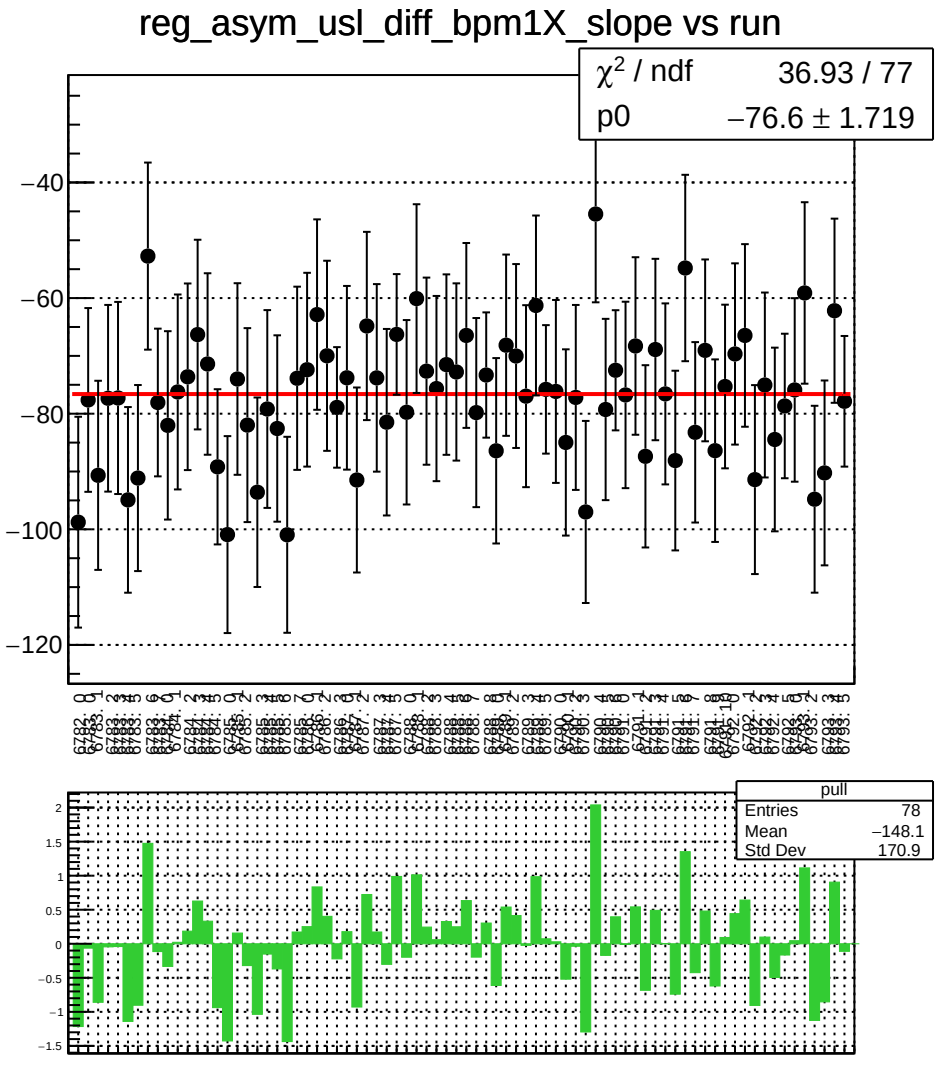

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 11.59 / 77
p0 −43.54 ± 0.3329
pull
Entries 78
Mean −1439
Std Dev 1478

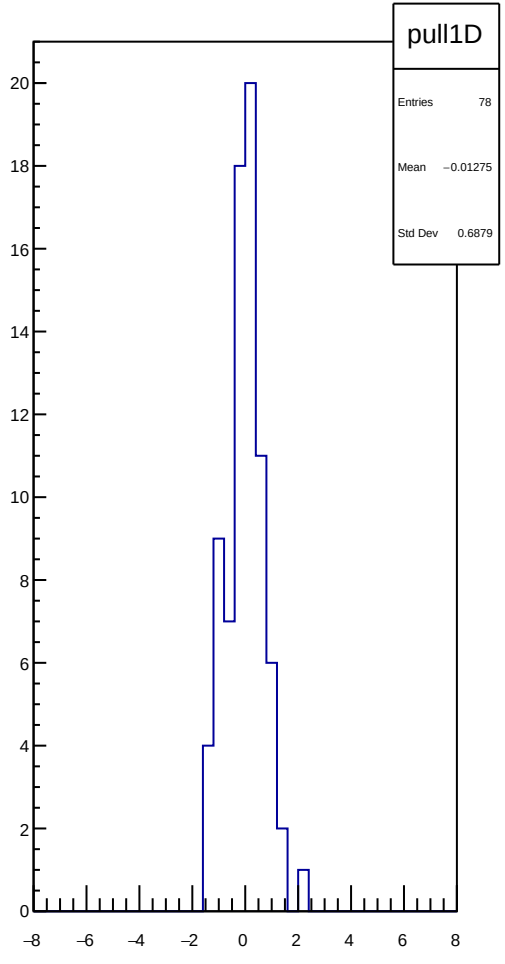

pull1D
Entries 78
Mean 0.003023
Std Dev 0.3855

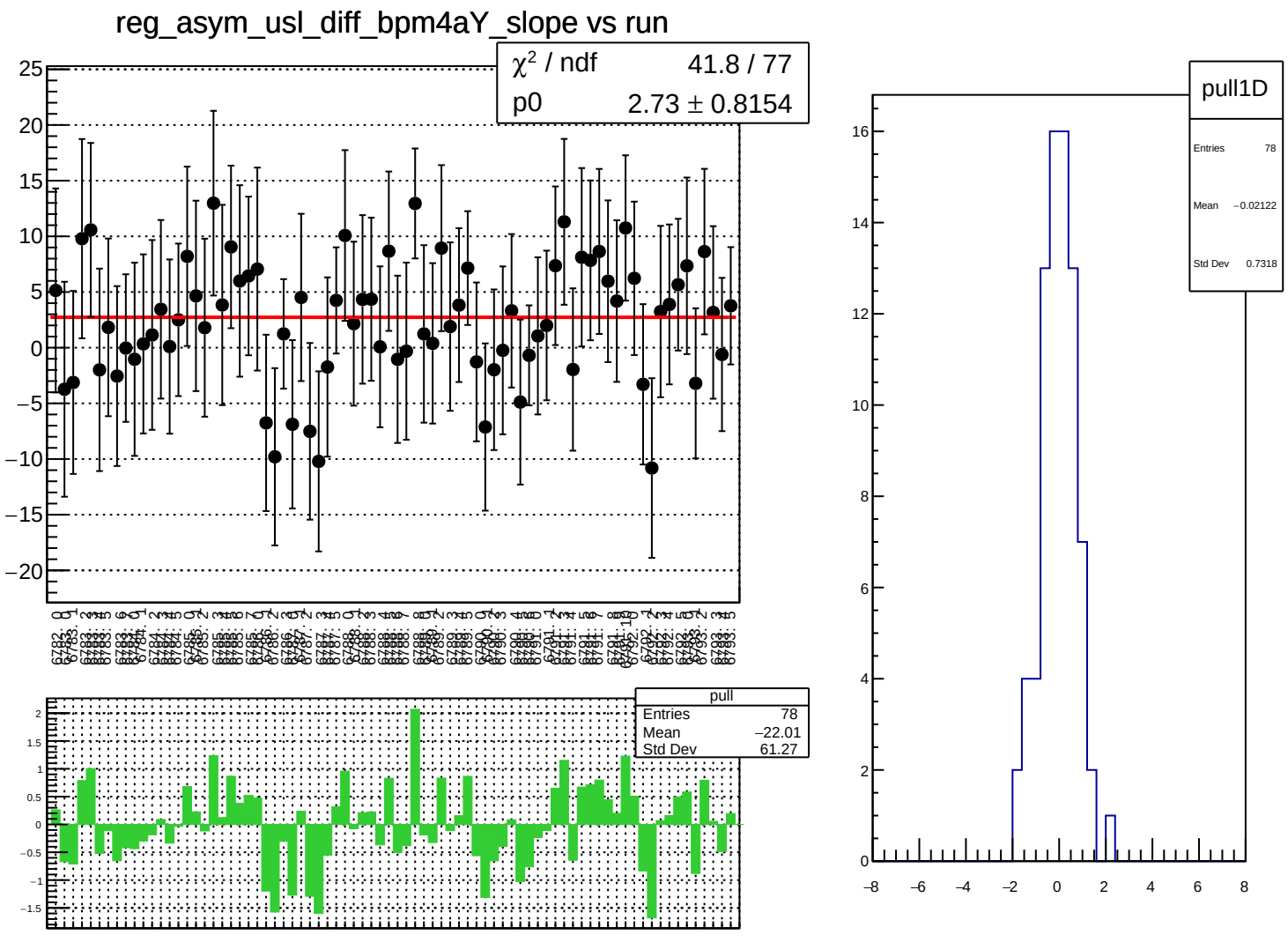

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 22.59 / 77
p0 47.25 ± 0.2333
pull
Entries 78
Mean −445.5
Std Dev 481.7
pull1D
Entries 78
Mean −0.0162
Std Dev 0.5379

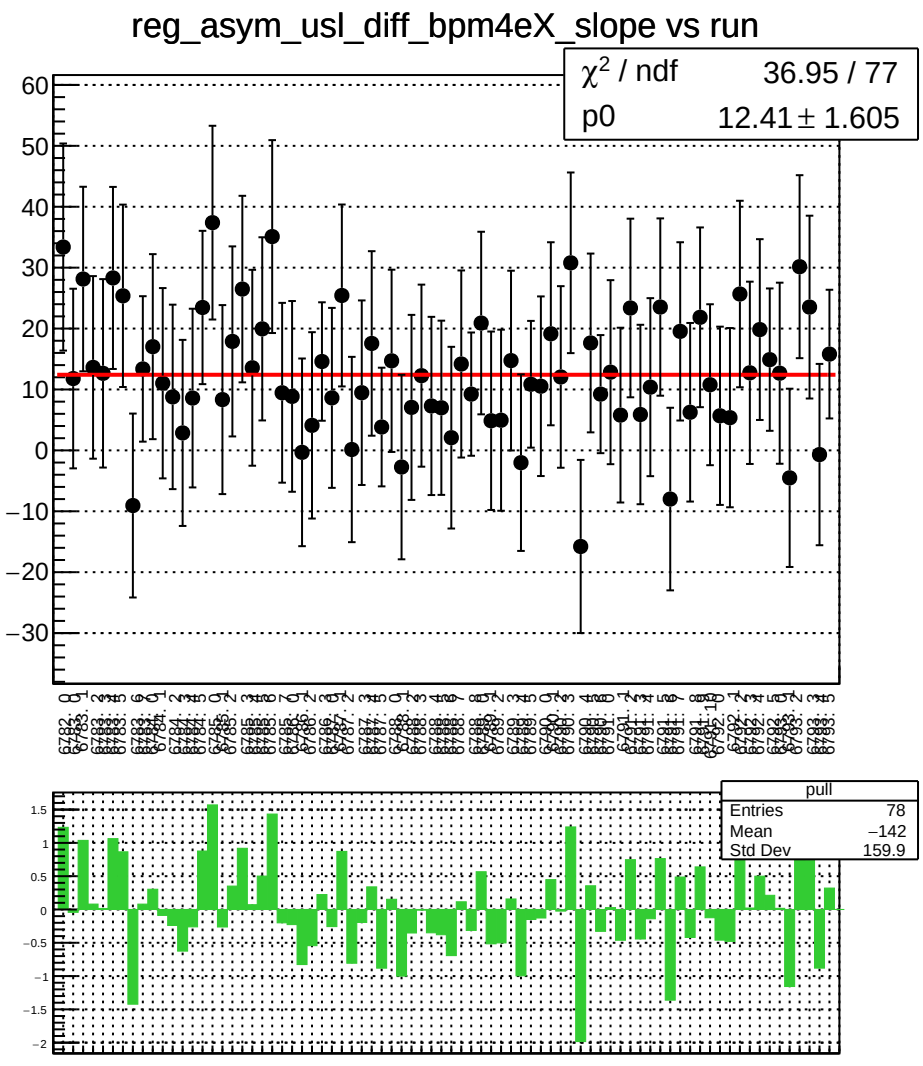

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 9.214 / 77
p0 0.277 ± 0.01563
pull
Entries 78
Mean 1172
Std Dev 1132

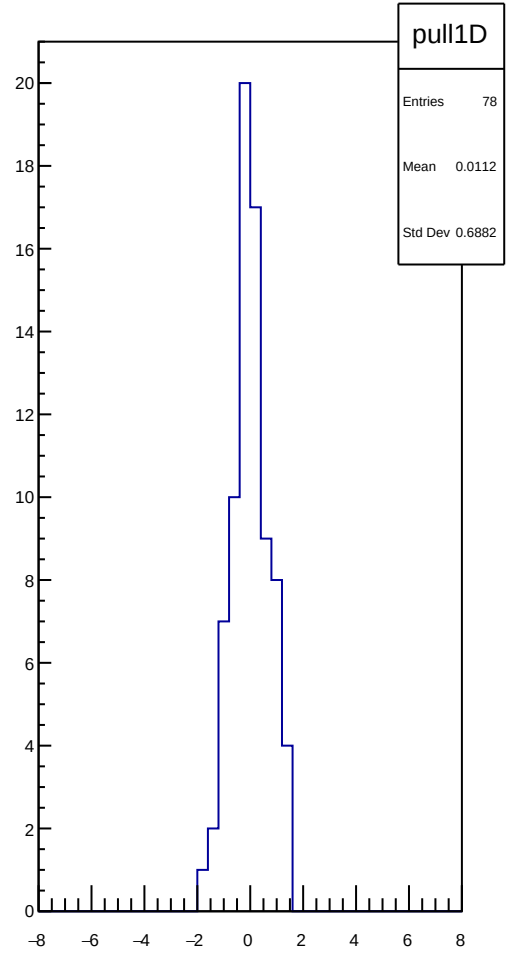

pull1D
Entries 78
Mean 0.002829
Std Dev 0.3437

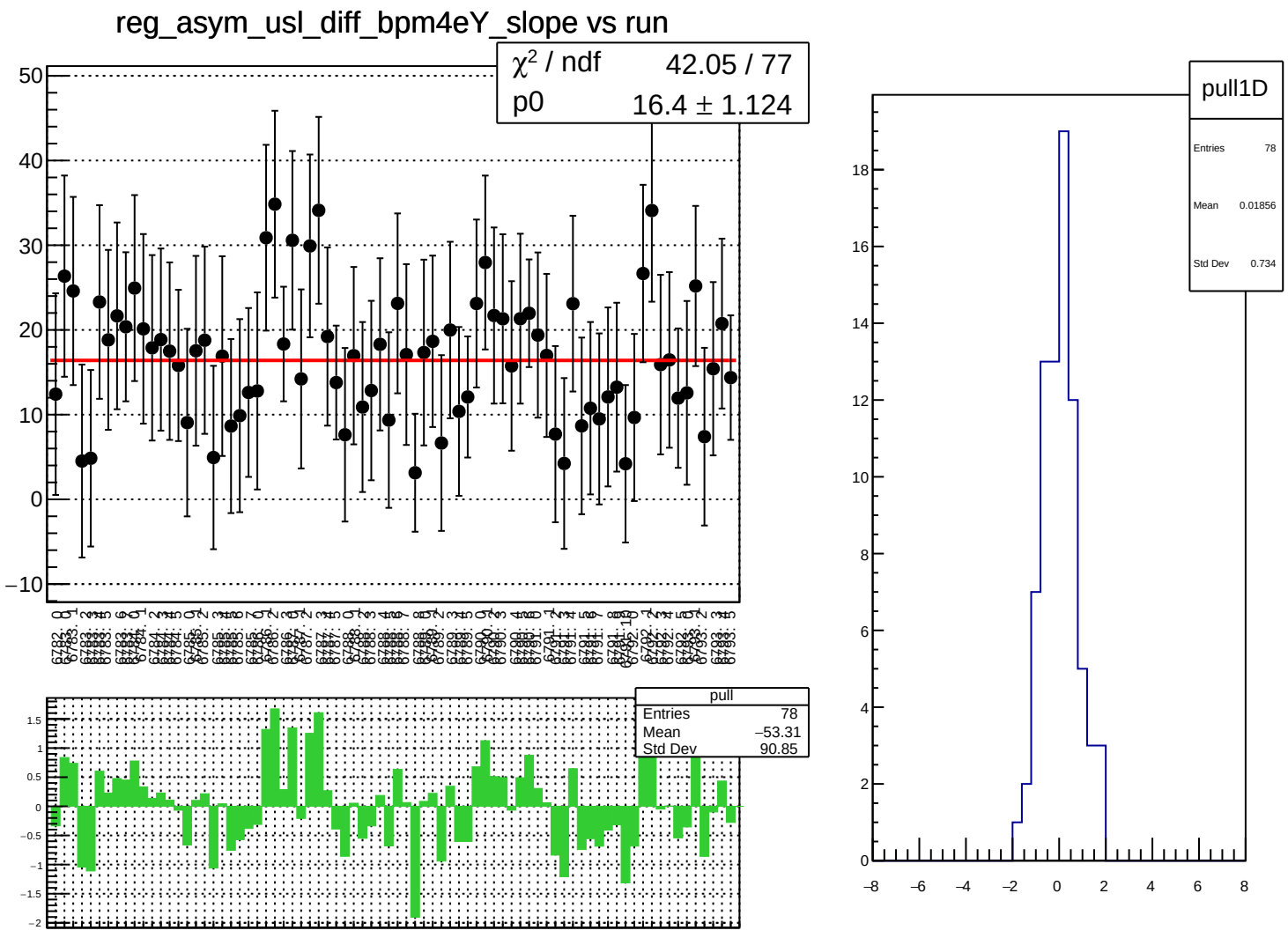

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 36.93 / 77
p0 −76.6 ± 1.719
pull
Entries 78
Mean −148.1
Std Dev 170.9

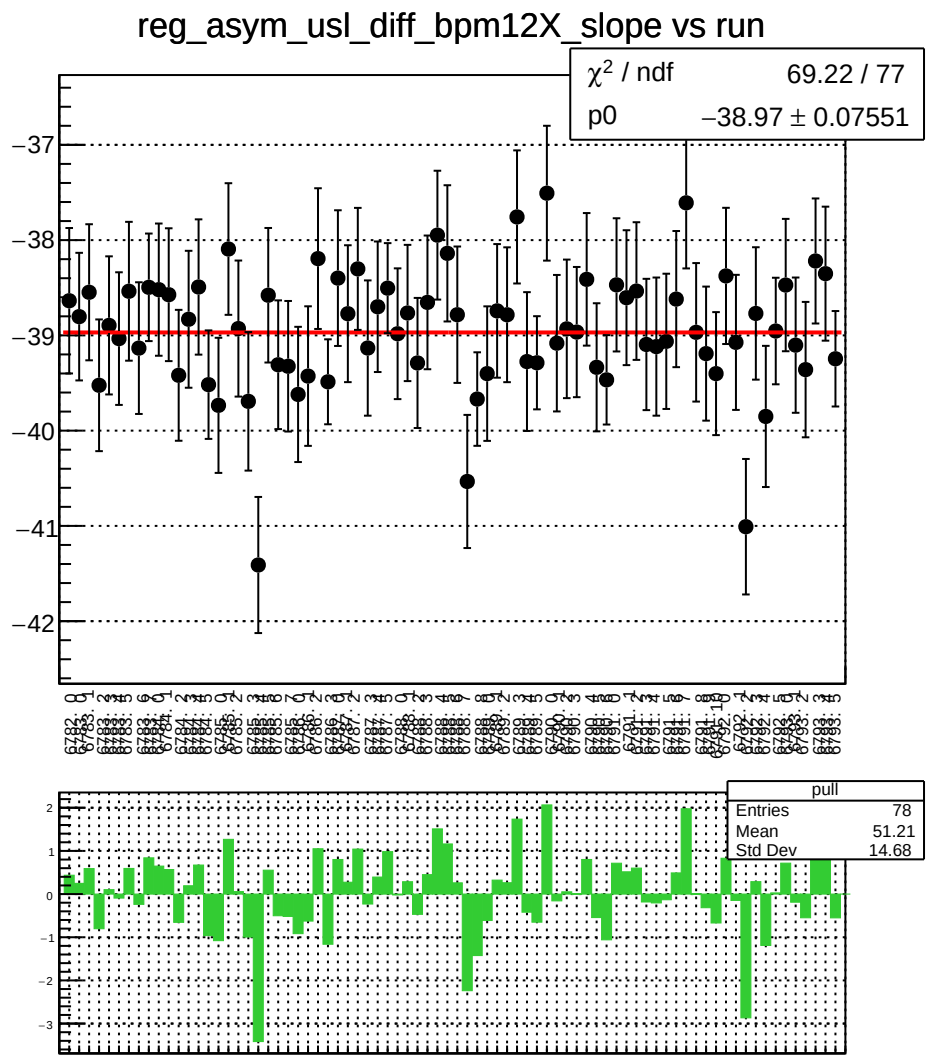

pull1D
Entries 78
Mean −0.01275
Std Dev 0.6879

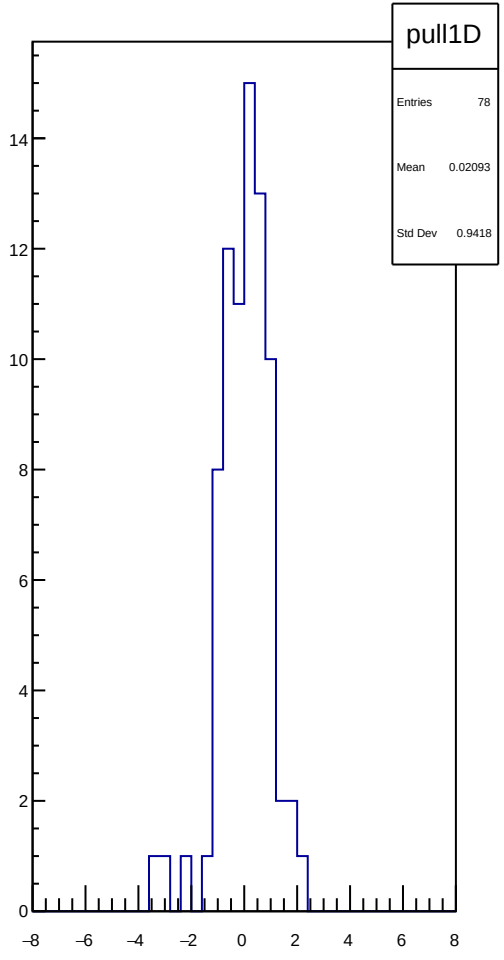

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 77
p0 2.73 ± 0.8154
pull
Entries 78
Mean −22.01
Std Dev 61.27
pull1D
Entries 78
Mean −0.02122
Std Dev 0.7318

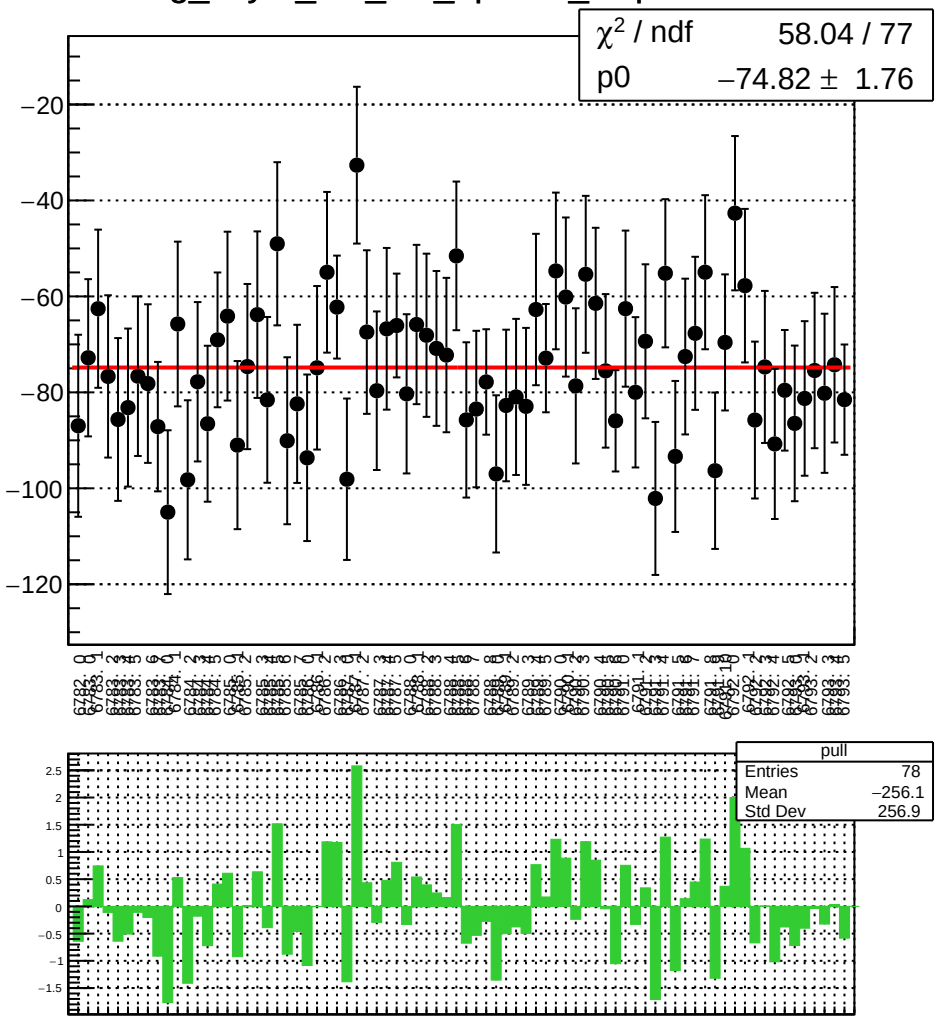

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 36.95 / 77
p0 12.41 ± 1.605
pull
Entries 78
Mean −142
Std Dev 159.9

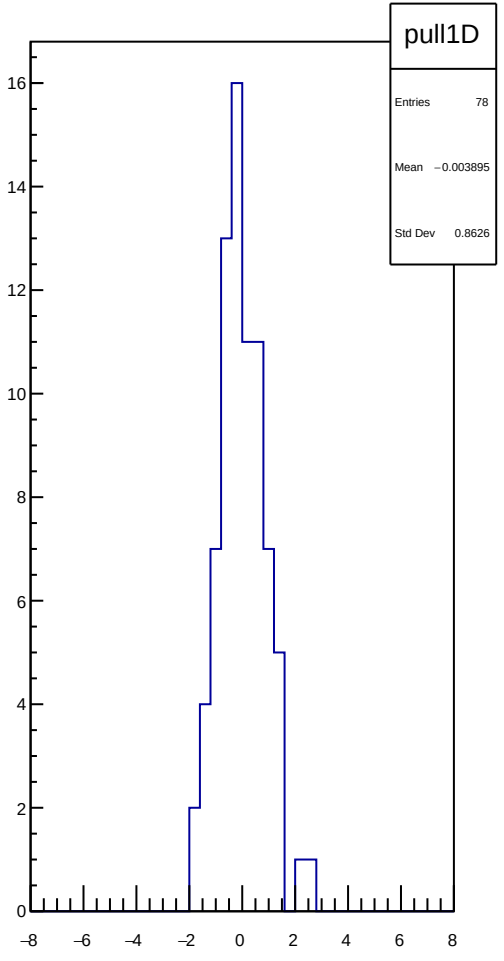

pull1D
Entries 78
Mean 0.0112
Std Dev 0.6882

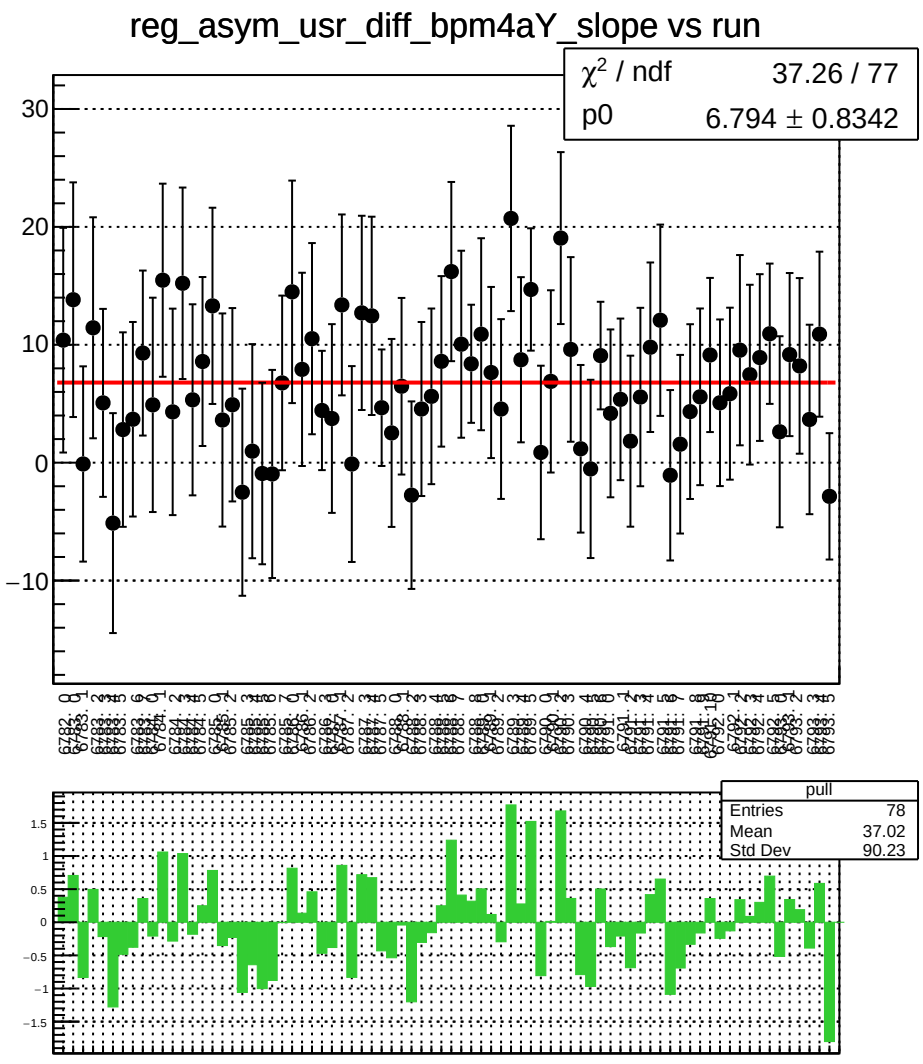

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 42.05 / 77
p0 16.4 ± 1.124
pull
Entries 78
Mean −53.31
Std Dev 90.85
pull1D
Entries 78
Mean 0.01856
Std Dev 0.734

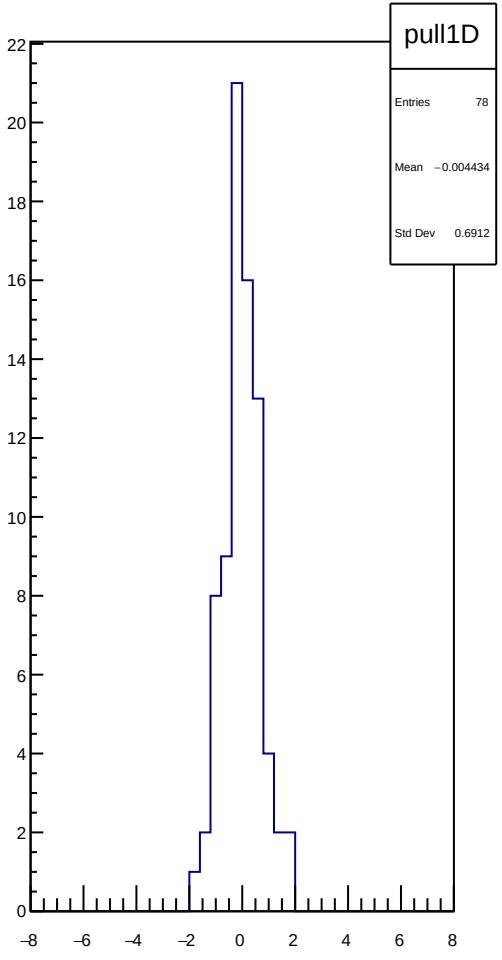

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 69.22 / 77
p0 −38.97 ± 0.07551
pull
Entries 78
Mean 51.21
Std Dev 14.68

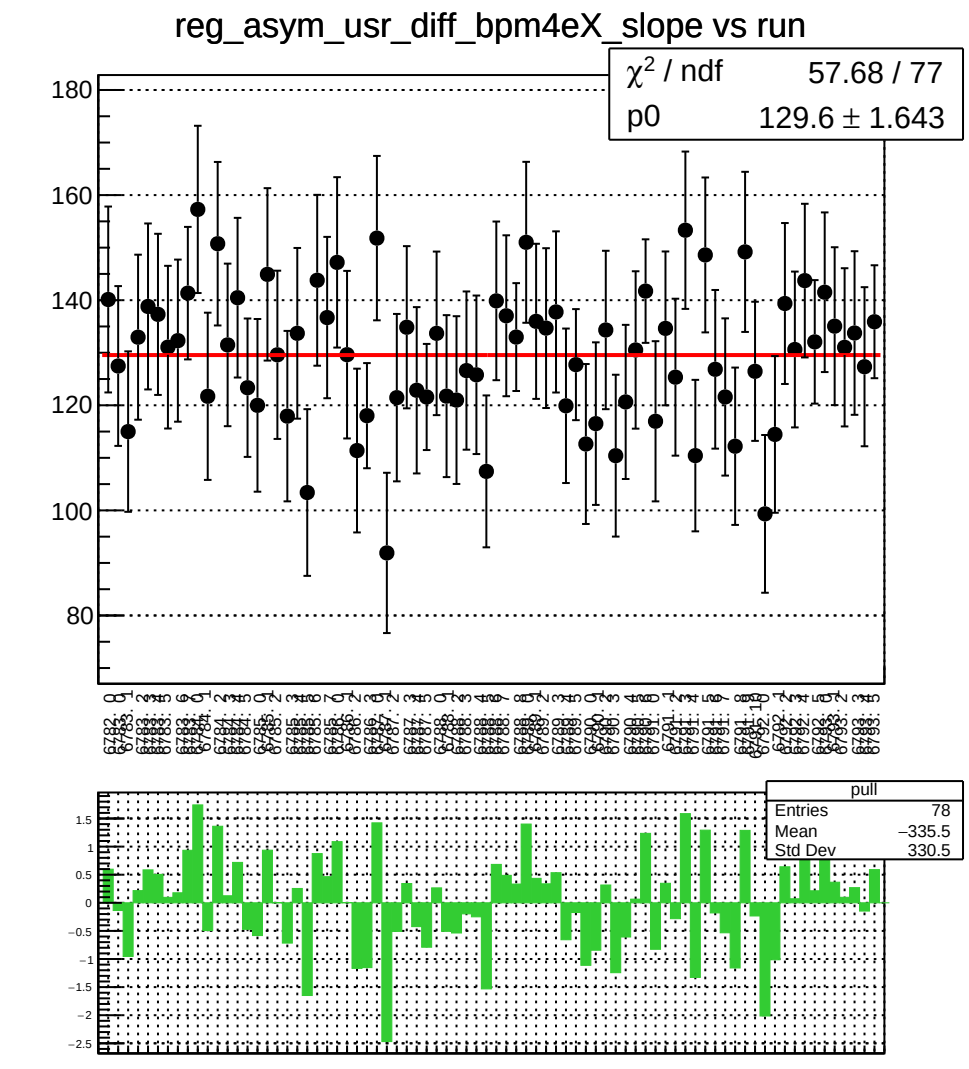

pull1D
Entries 78
Mean 0.02093
Std Dev 0.9418

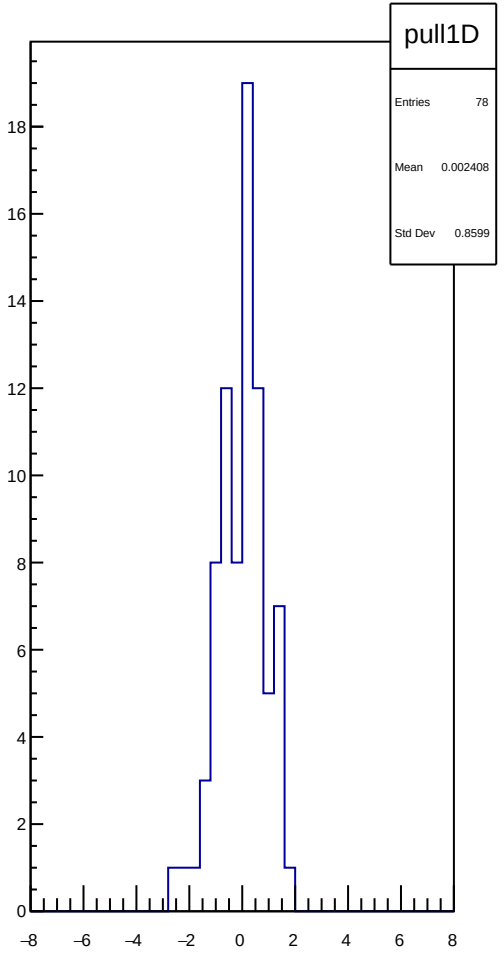

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 58.04 / 77
p0 −74.82 ± 1.76
pull
Entries 78
Mean −256.1
Std Dev 256.9

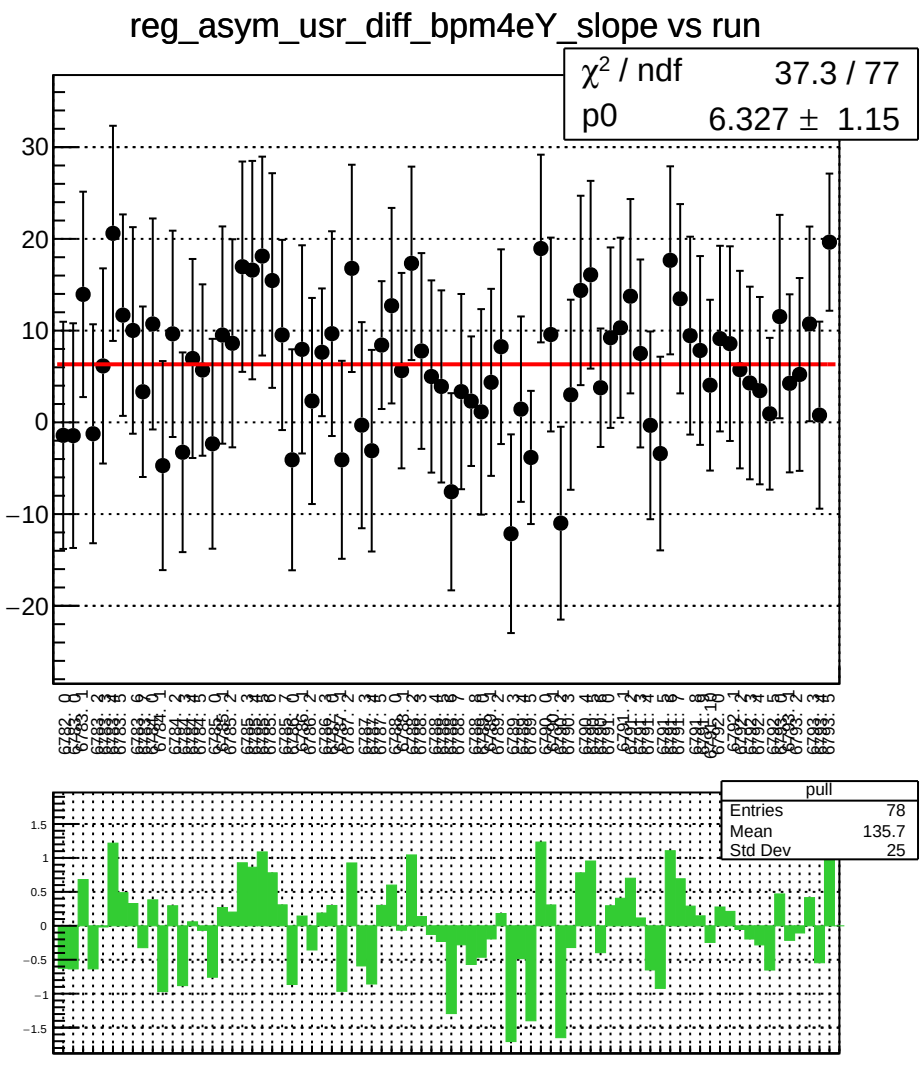

pull1D
Entries 78
Mean −0.003895
Std Dev 0.8626

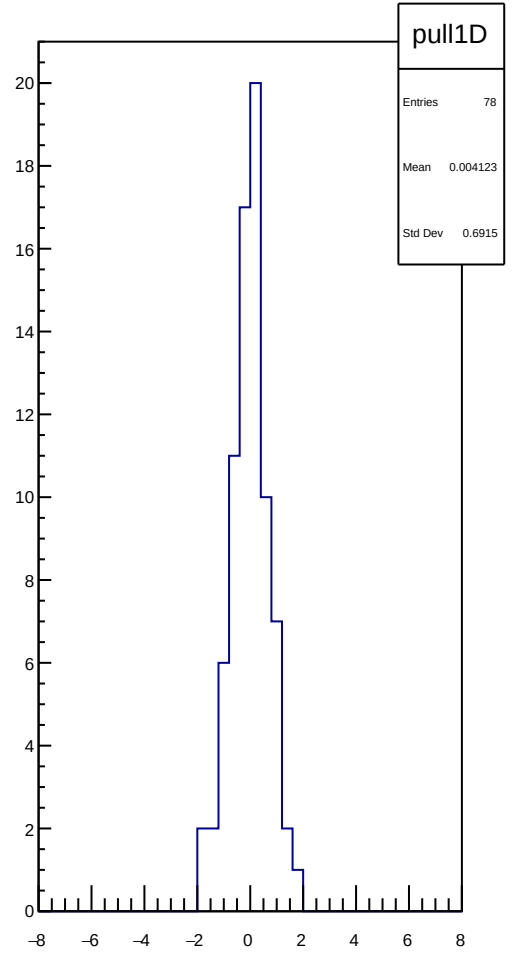

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 37.26 / 77
p0 6.794 ± 0.8342
pull
Entries 78
Mean 37.02
Std Dev 90.23

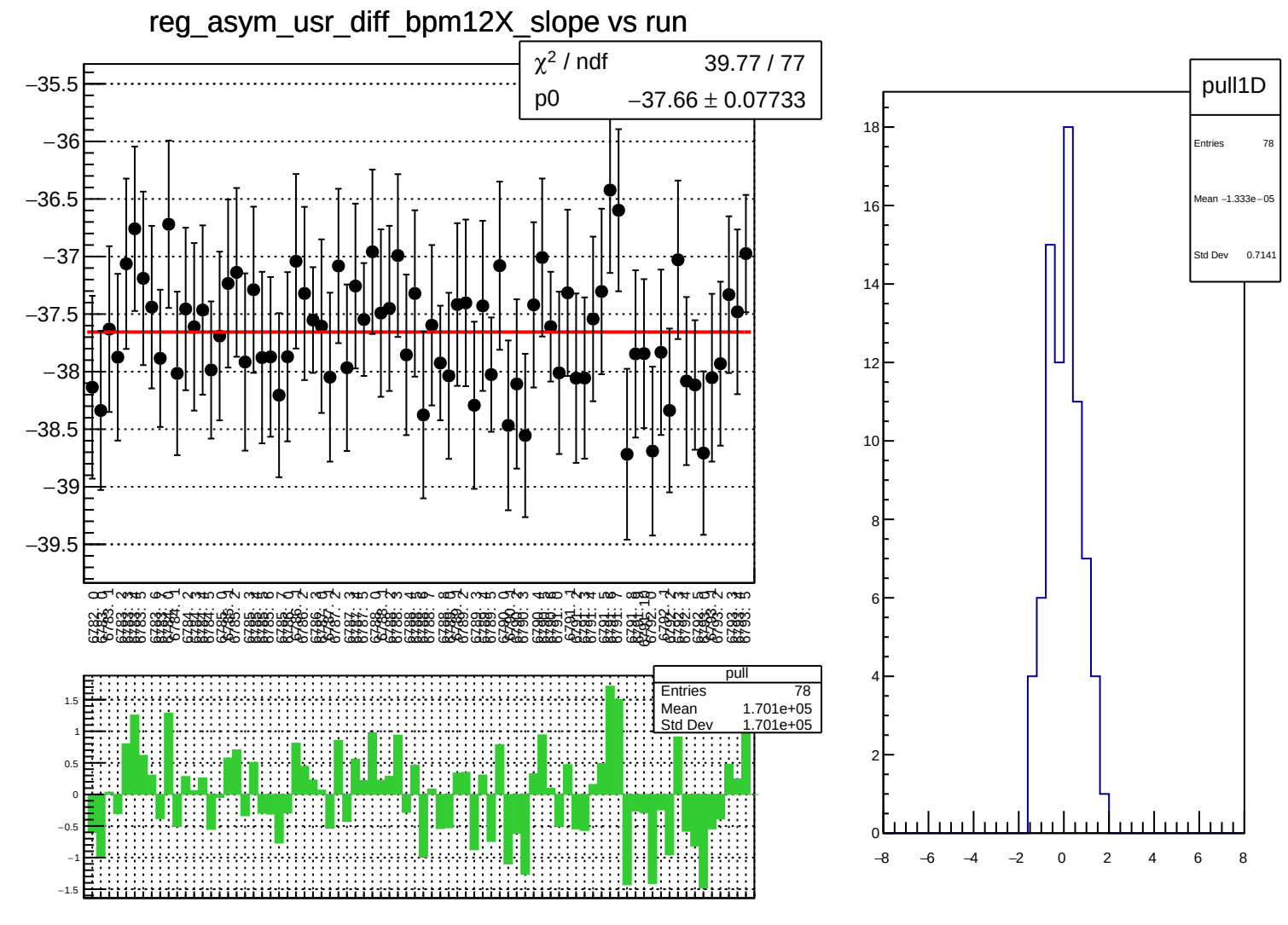

pull1D
Entries 78
Mean −0.004434
Std Dev 0.6912

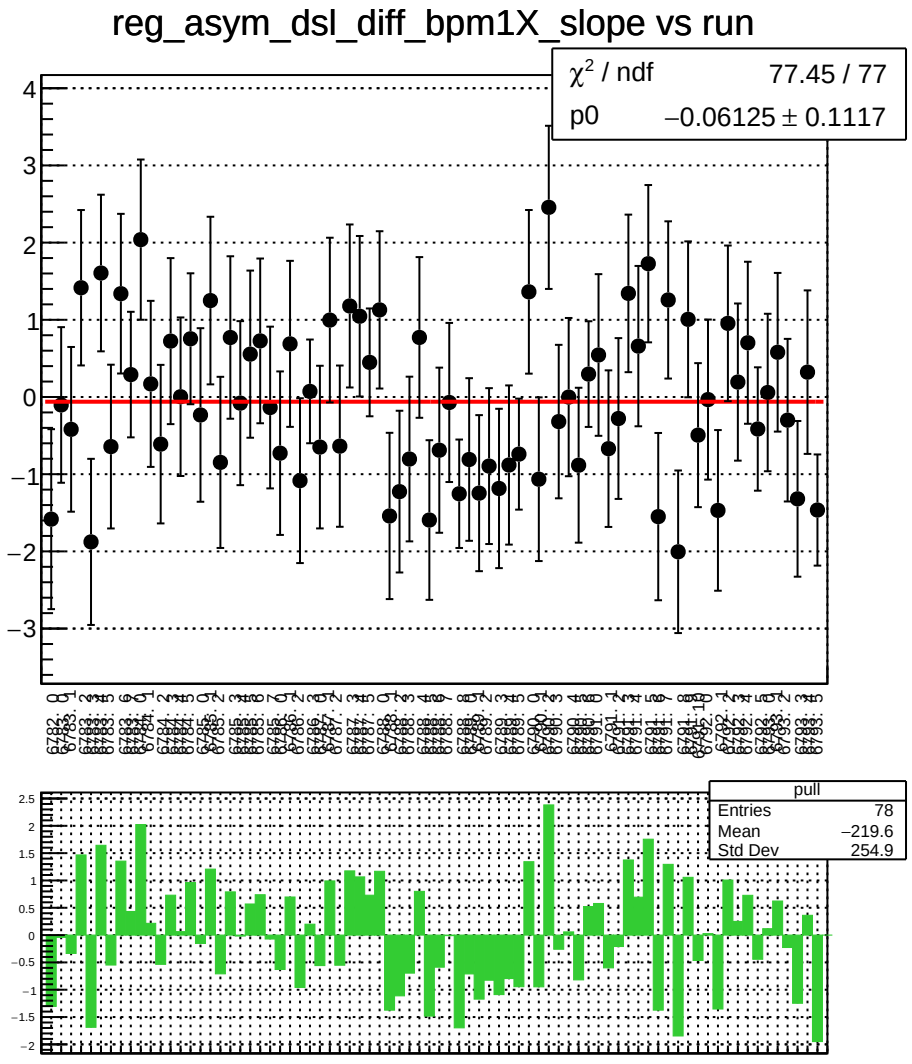

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 57.68 / 77
p0 129.6 ± 1.643
pull
Entries 78
Mean −335.5
Std Dev 330.5

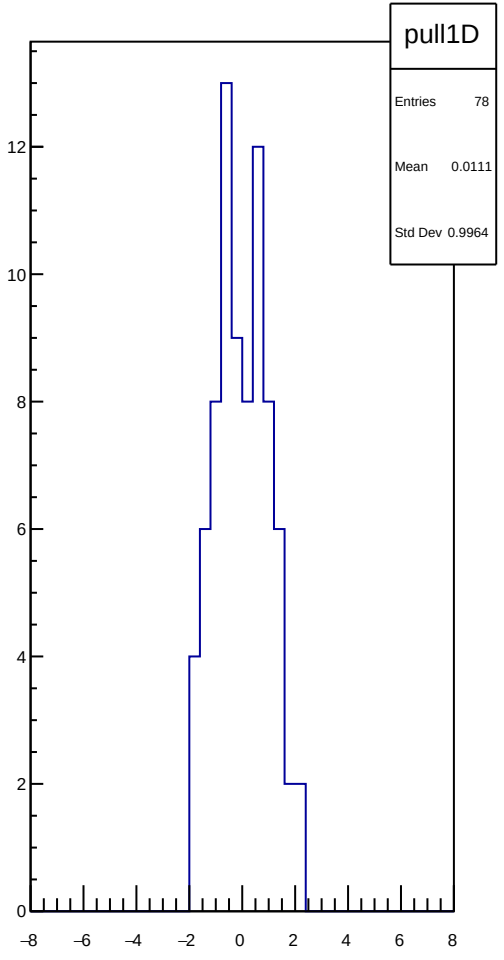

pull1D
Entries 78
Mean 0.002408
Std Dev 0.8599

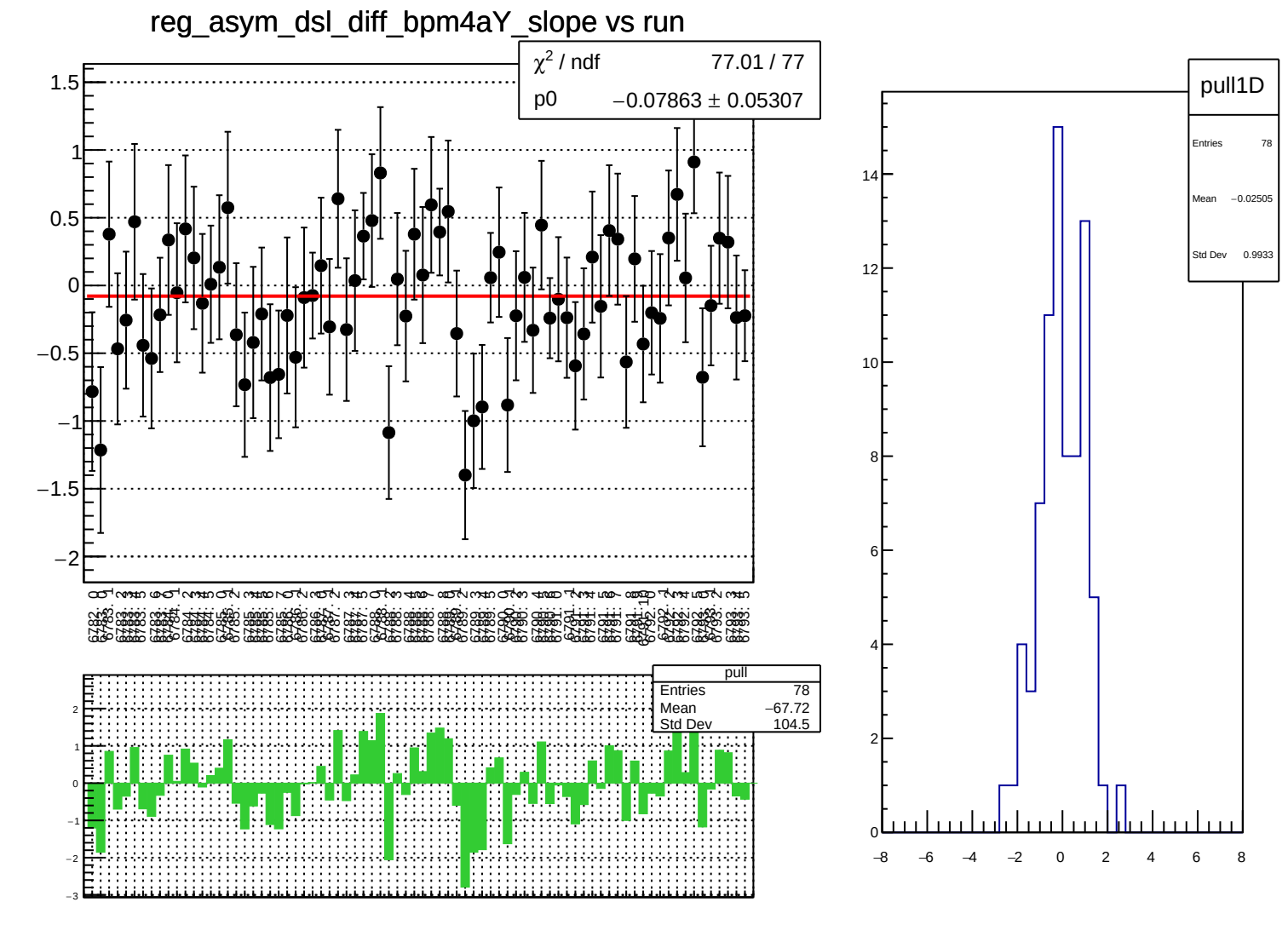

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 37.3 / 77
p0 6.327 ± 1.15
pull
Entries 78
Mean 135.7
Std Dev 25

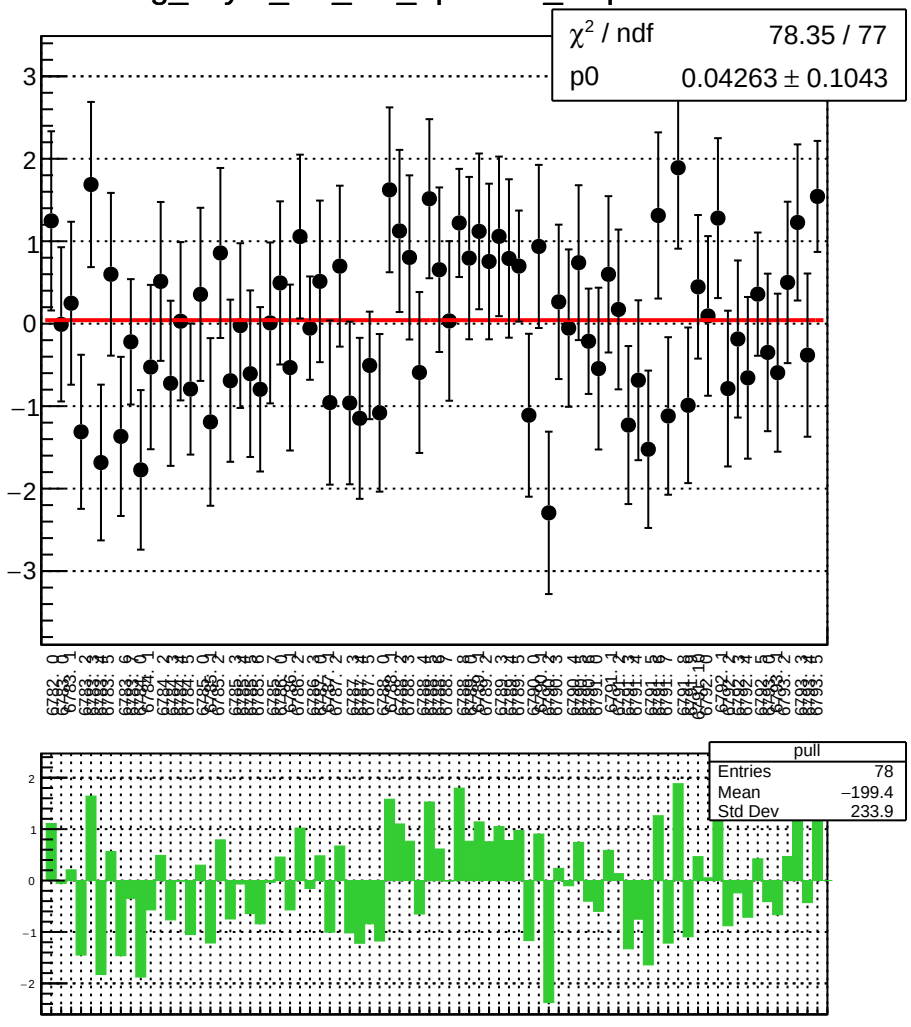

pull1D
Entries 78
Mean 0.004123
Std Dev 0.6915

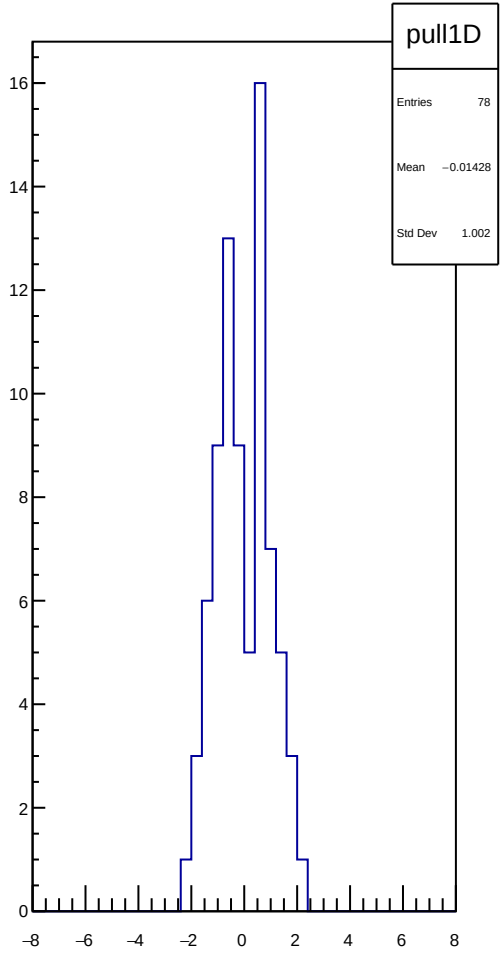

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 39.77 / 77
p0 −37.66 ± 0.07733
−35.5
−36
−36.5
−37
−37.5
−38
−38.5
−39
−39.5
pull
Entries 78
Mean 1.701e+05
Std Dev 1.701e+05
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −1.333e−05
Std Dev 0.7141
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

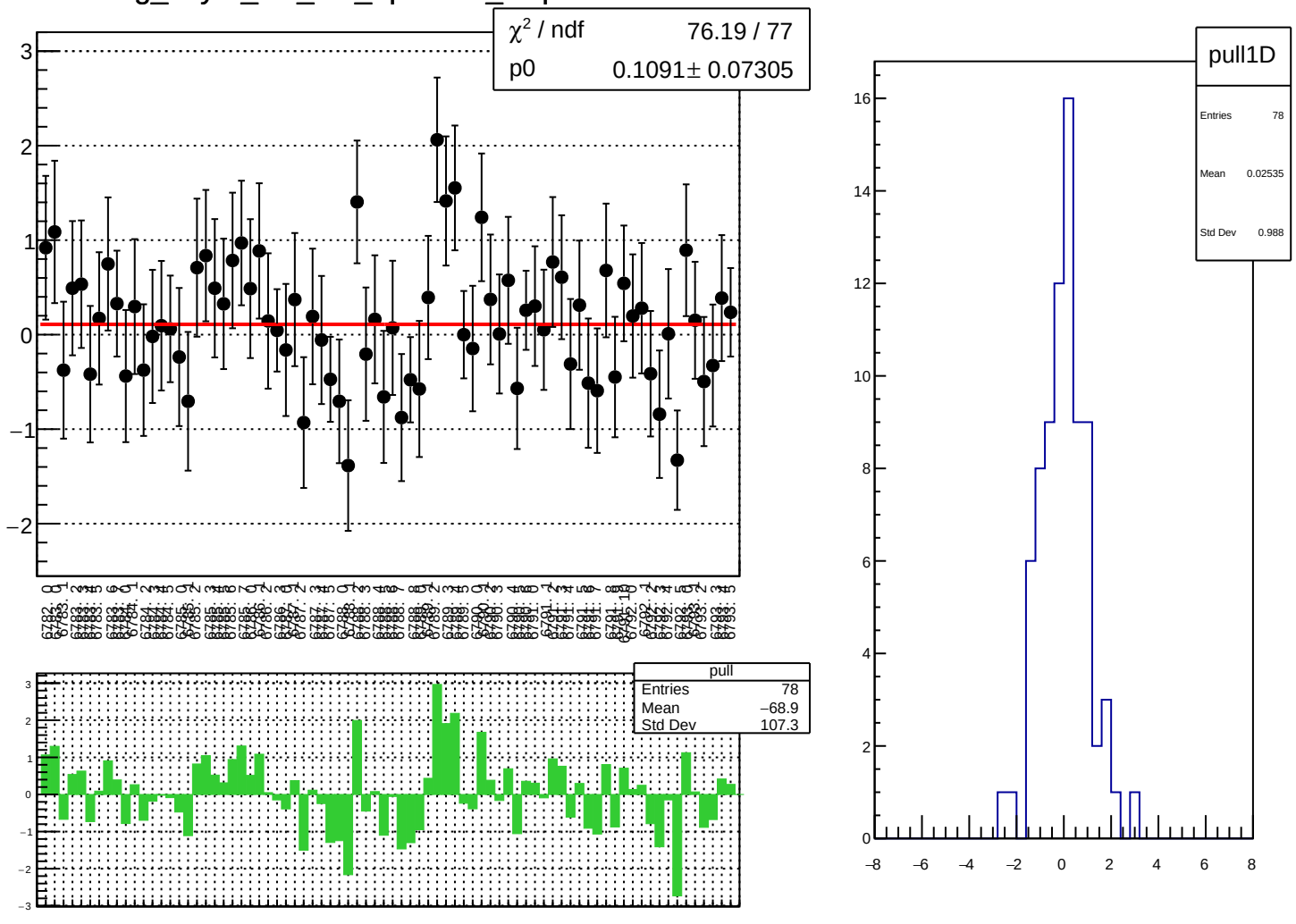

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 77.45 / 77
p0 −0.06125 ± 0.1117
pull
Entries 78
Mean −219.6
Std Dev 254.9

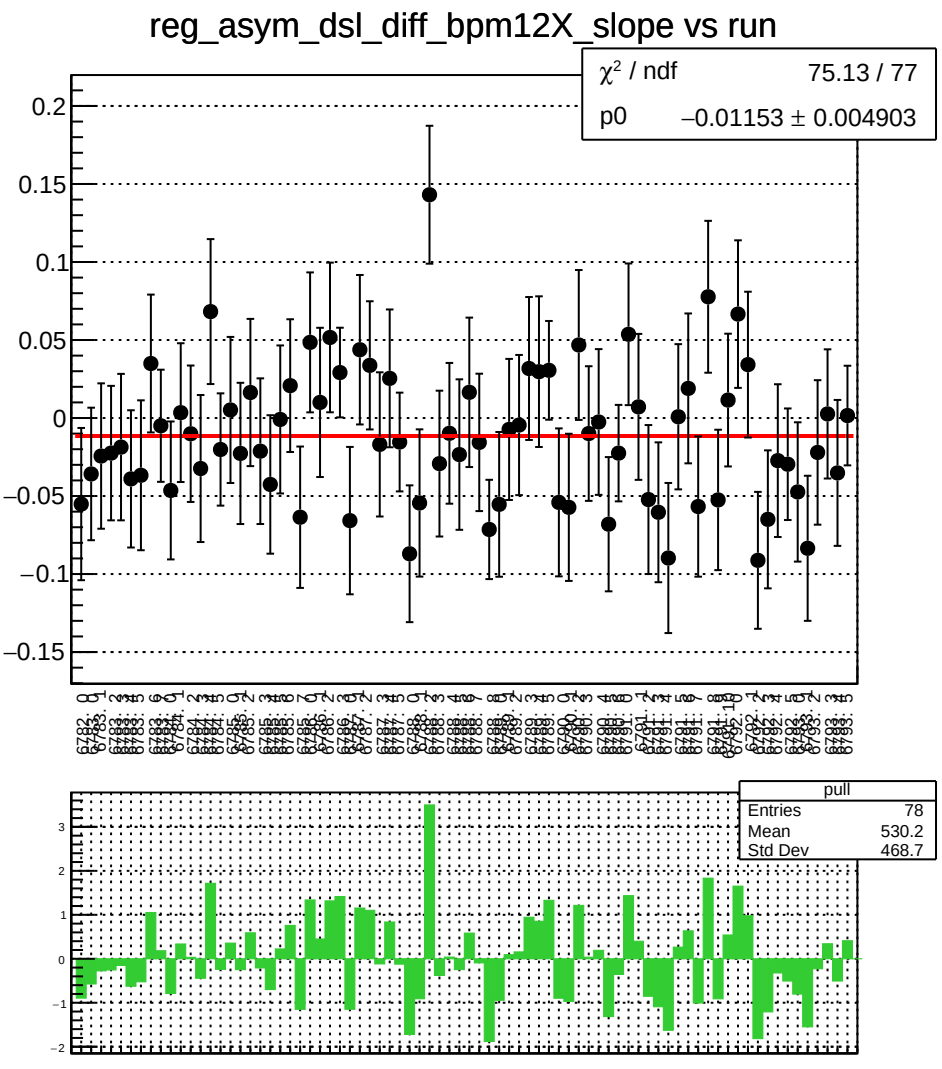

pull1D
Entries 78
Mean 0.0111
Std Dev 0.9964

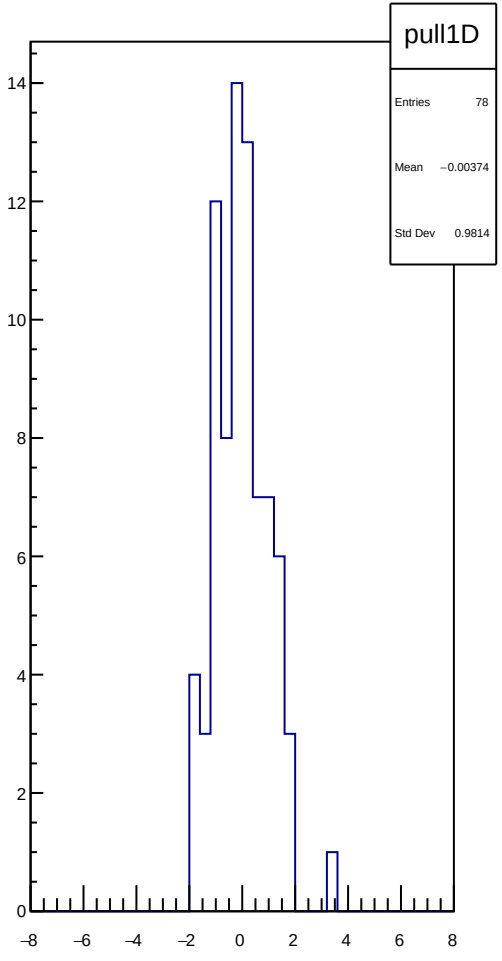

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 77
p0 −0.07863 ± 0.05307
pull
Entries 78
Mean −67.72
Std Dev 104.5
pull1D
Entries 78
Mean −0.02505
Std Dev 0.9933

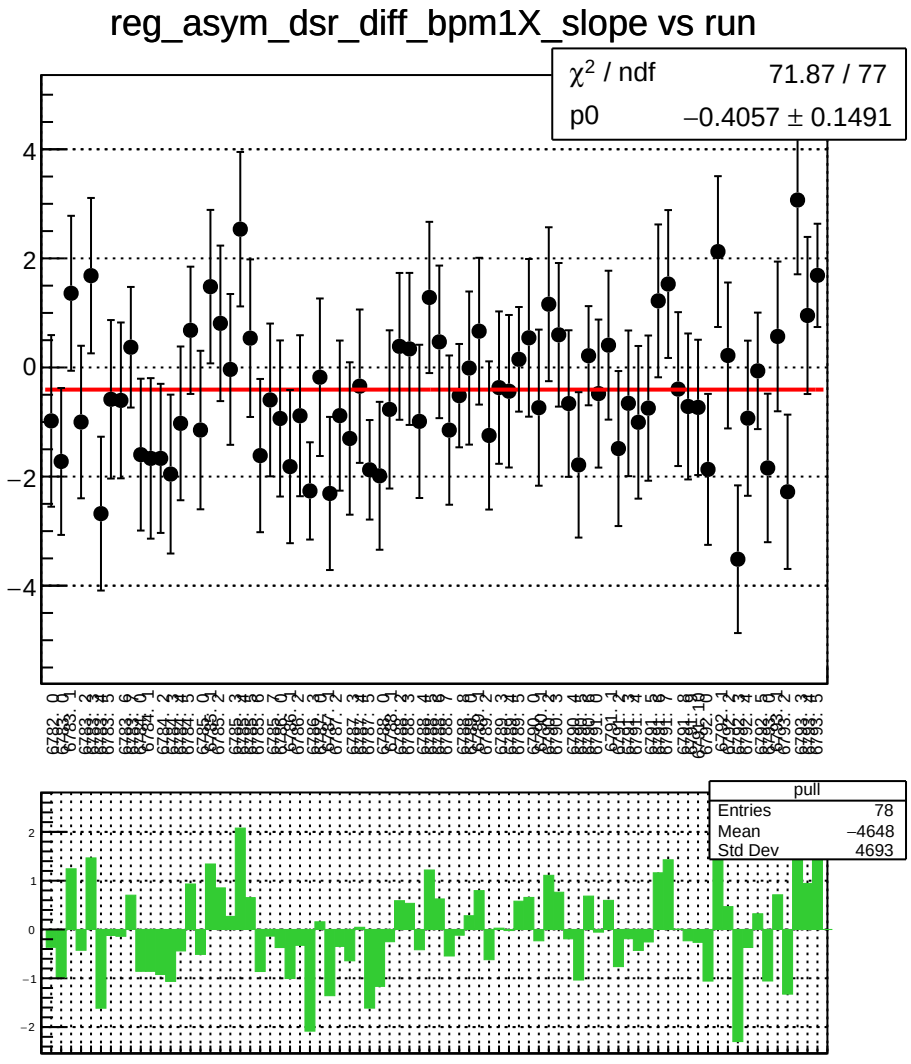

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 78.35 / 77
p0 0.04263 ± 0.1043
pull
Entries 78
Mean −199.4
Std Dev 233.9

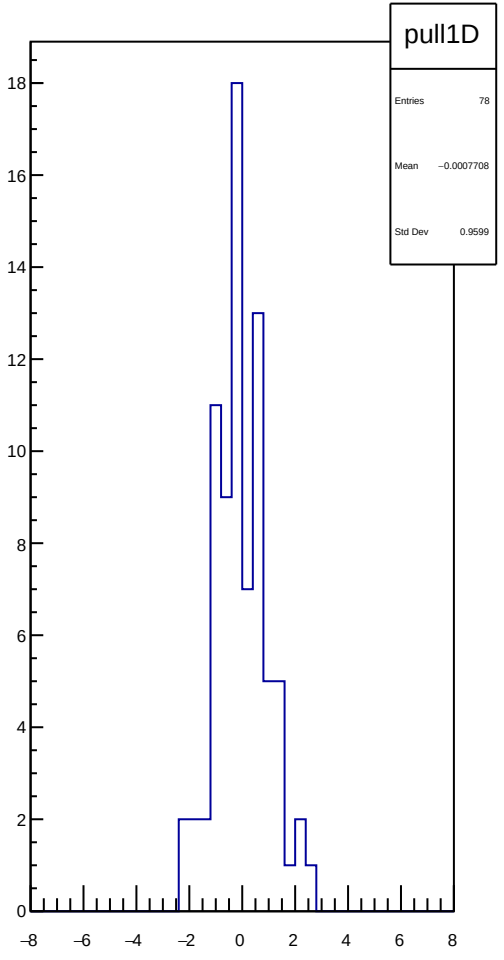

pull1D
Entries 78
Mean −0.01428
Std Dev 1.002

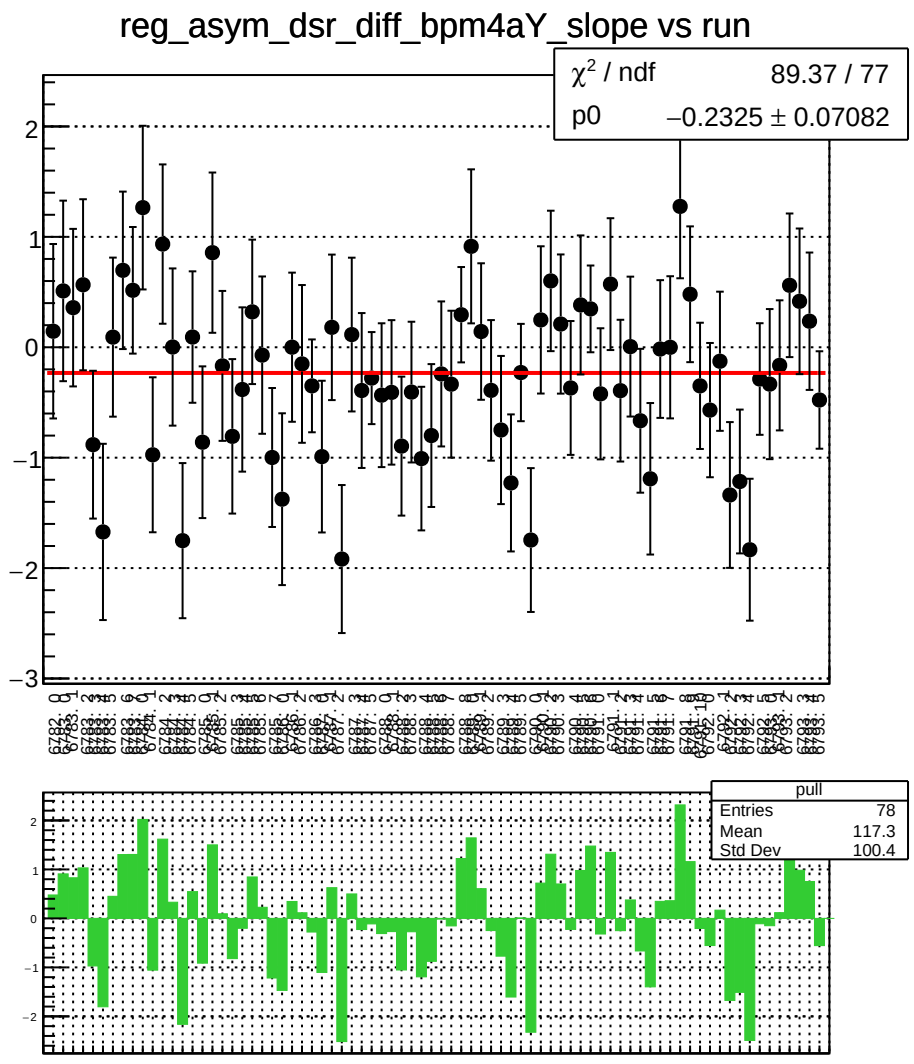

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 76.19 / 77
p0 0.1091± 0.07305
pull
Entries 78
Mean −68.9
Std Dev 107.3
pull1D
Entries 78
Mean 0.02535
Std Dev 0.988

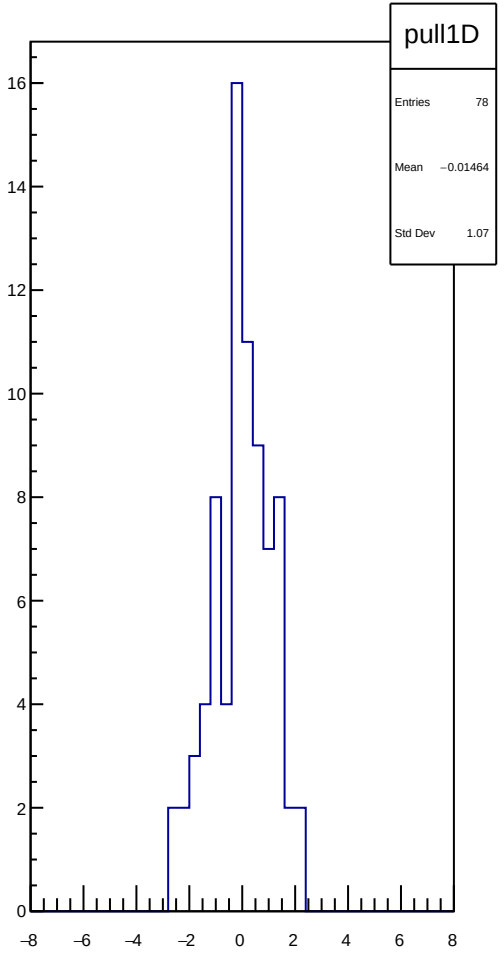

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 75.13 / 77
p0 −0.01153 ± 0.004903
pull
Entries 78
Mean 530.2
Std Dev 468.7

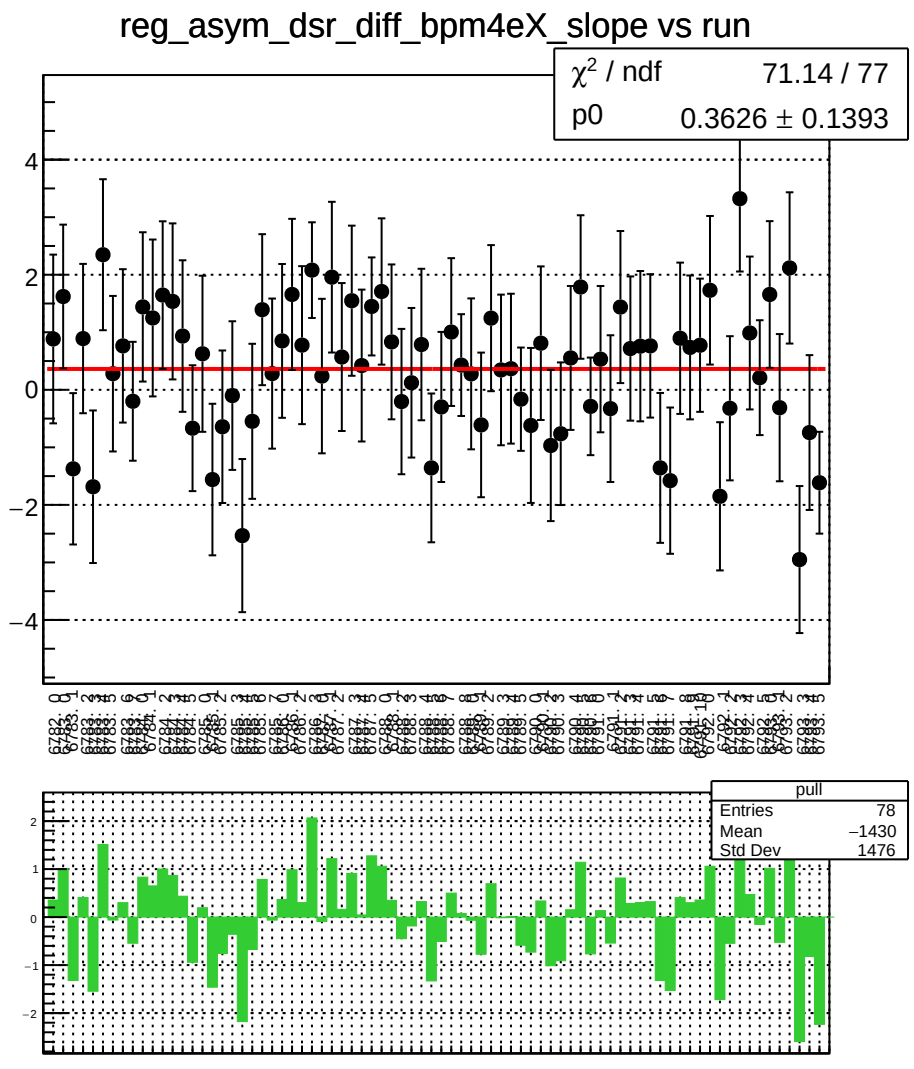

pull1D
Entries 78
Mean −0.00374
Std Dev 0.9814

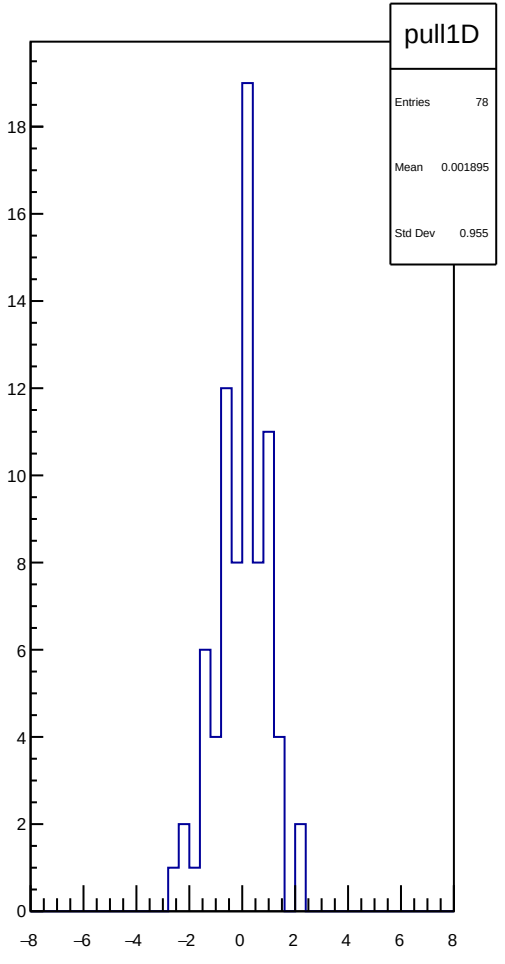

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.87 / 77
p0 −0.4057 ± 0.1491
pull
Entries 78
Mean −4648
Std Dev 4693

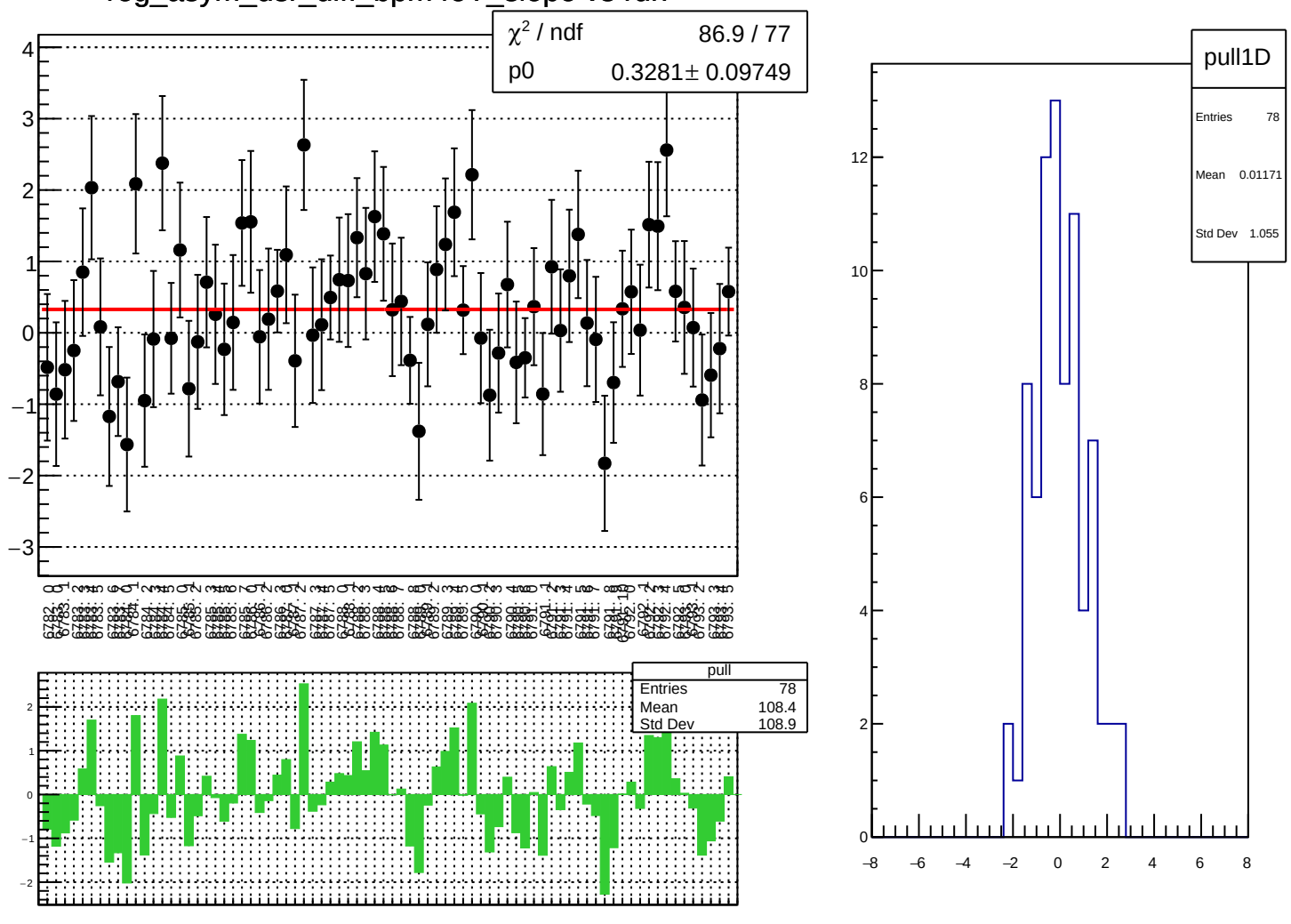

pull1D
Entries 78
Mean −0.0007708
Std Dev 0.9599

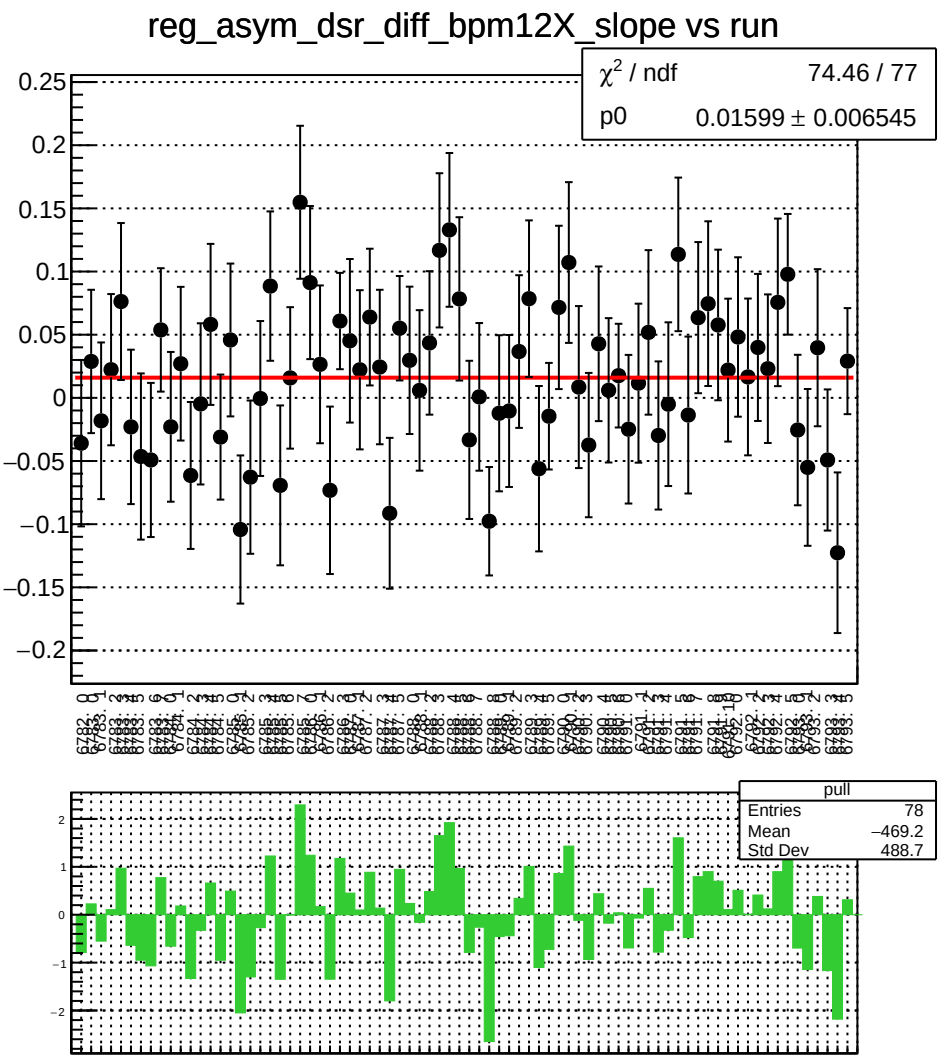

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 89.37 / 77
p0 −0.2325 ± 0.07082
pull
Entries 78
Mean 117.3
Std Dev 100.4

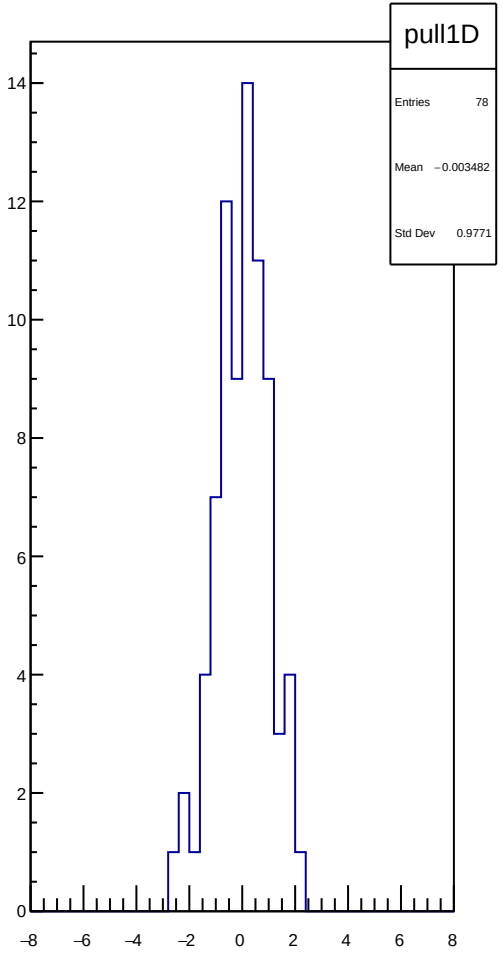

pull1D
Entries 78
Mean −0.01464
Std Dev 1.07

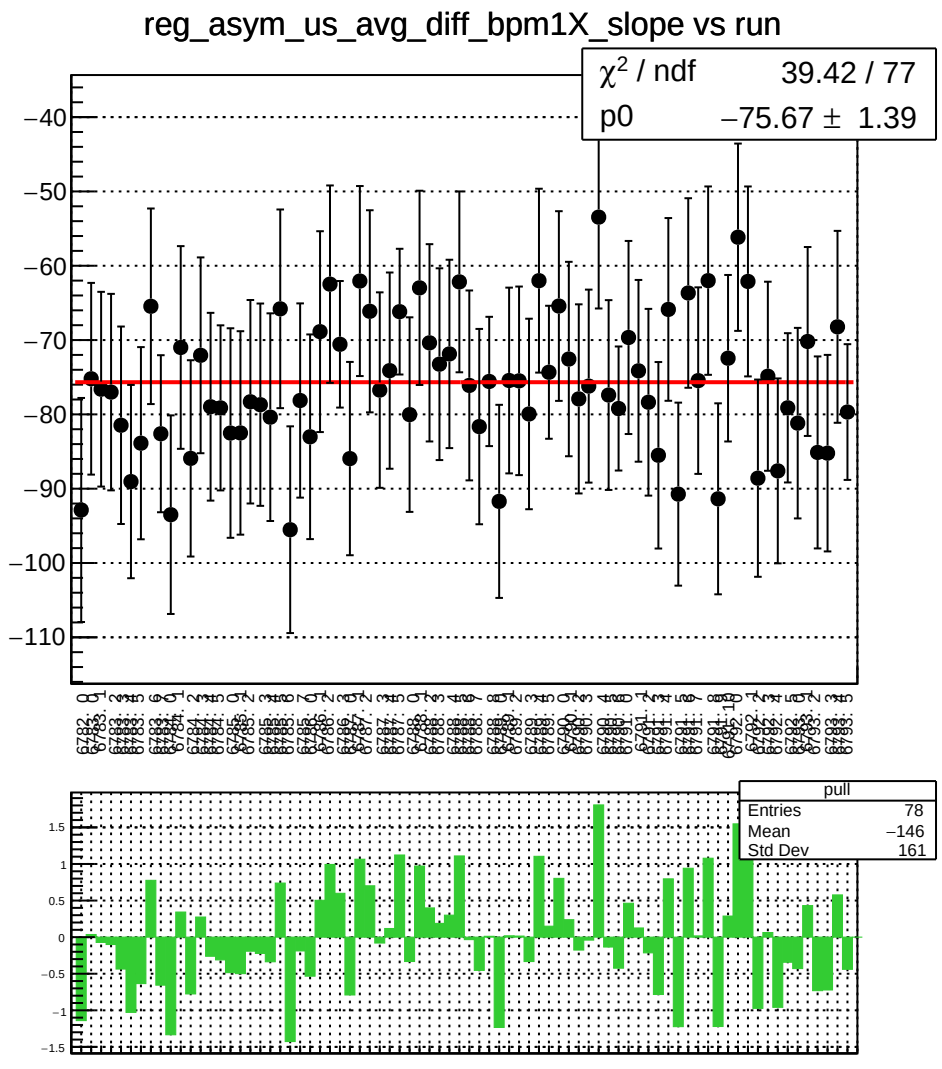

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 71.14 / 77
p0 0.3626 ± 0.1393
pull
Entries 78
Mean −1430
Std Dev 1476

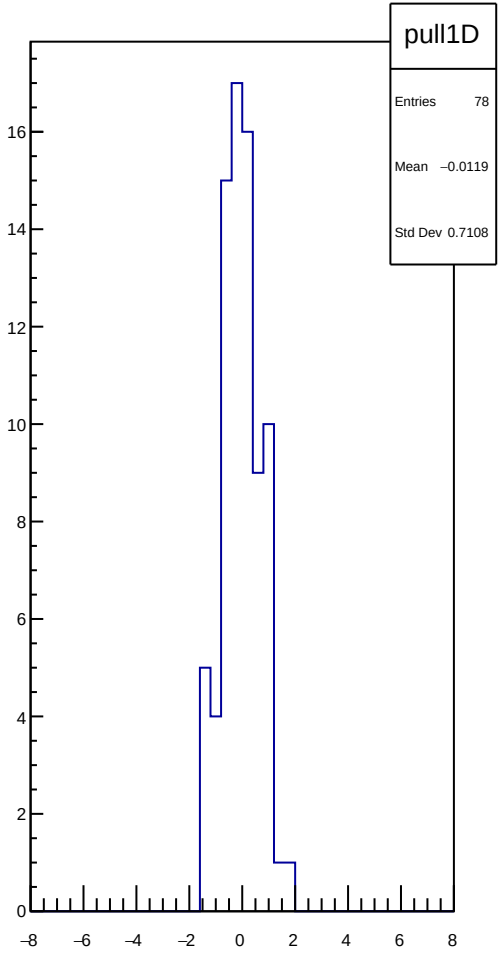

pull1D
Entries 78
Mean 0.001895
Std Dev 0.955

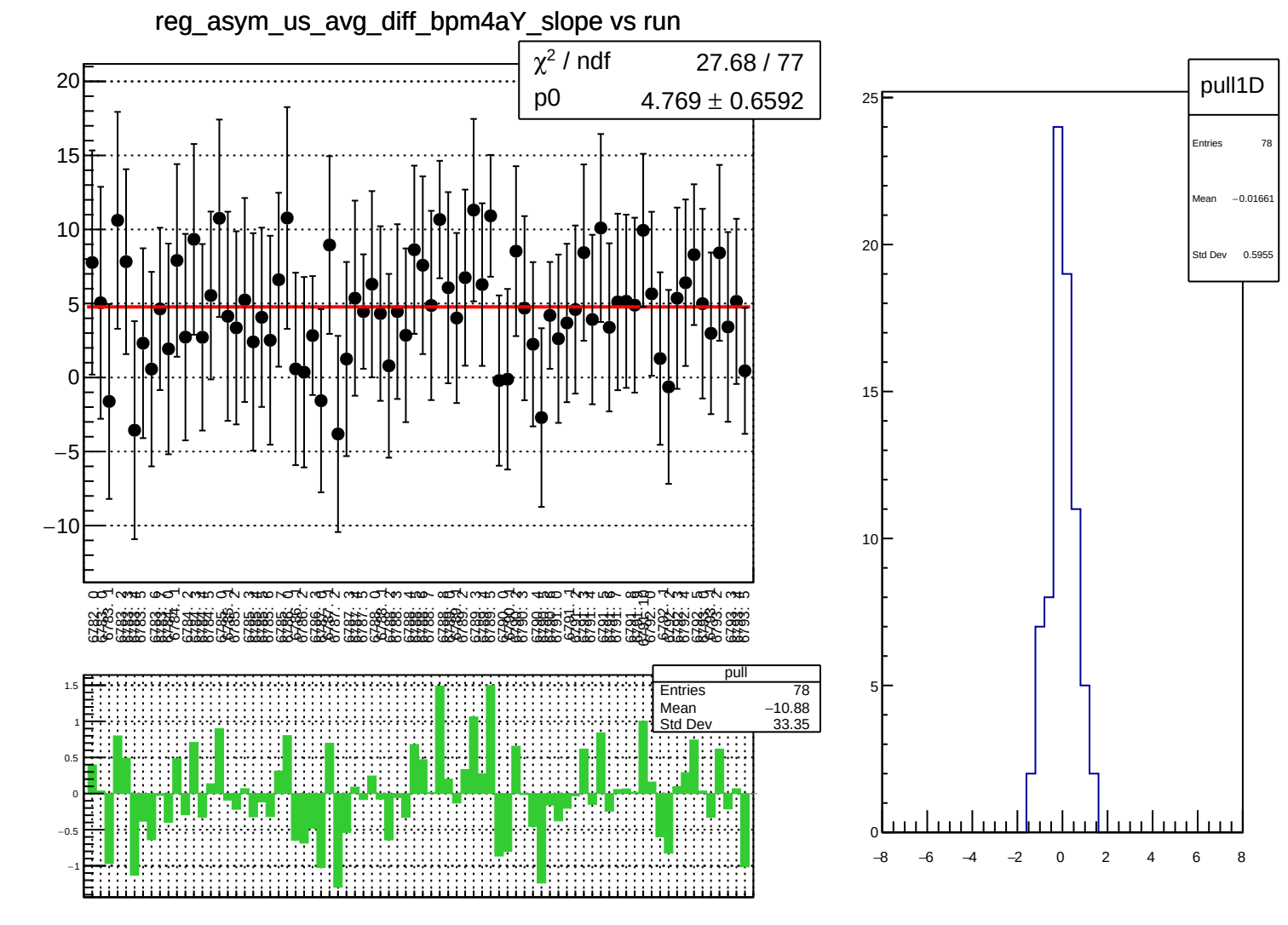

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 86.9 / 77
p0 0.3281± 0.09749
pull
Entries 78
Mean 108.4
Std Dev 108.9
pull1D
Entries 78
Mean 0.01171
Std Dev 1.055

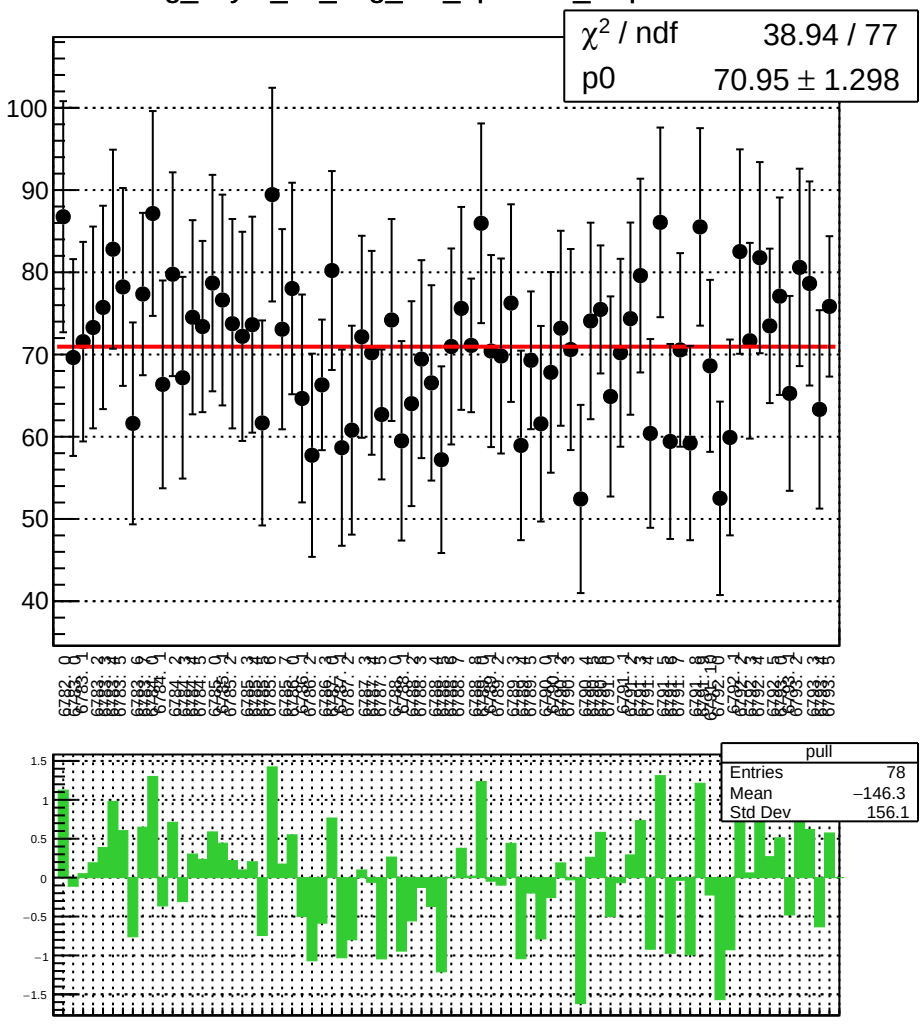

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 74.46 / 77
p0 0.01599 ± 0.006545
pull
Entries 78
Mean −469.2
Std Dev 488.7

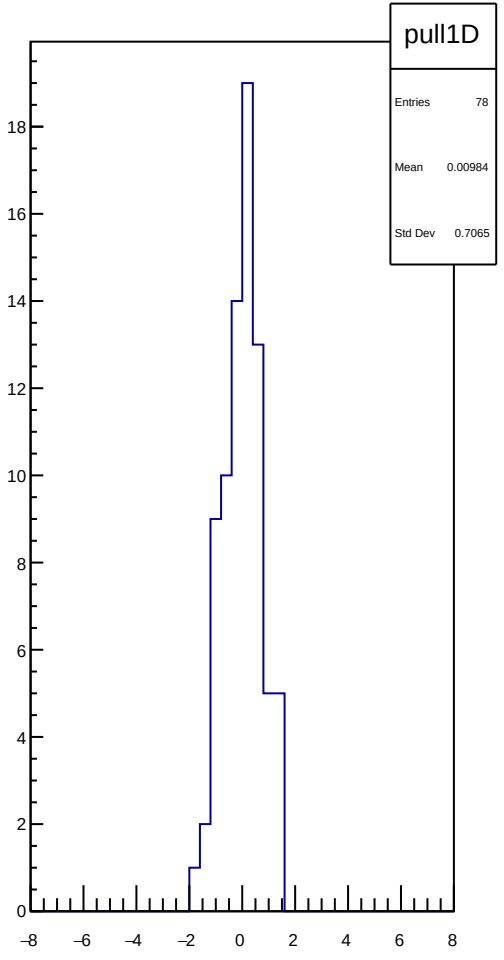

pull1D
Entries 78
Mean −0.003482
Std Dev 0.9771

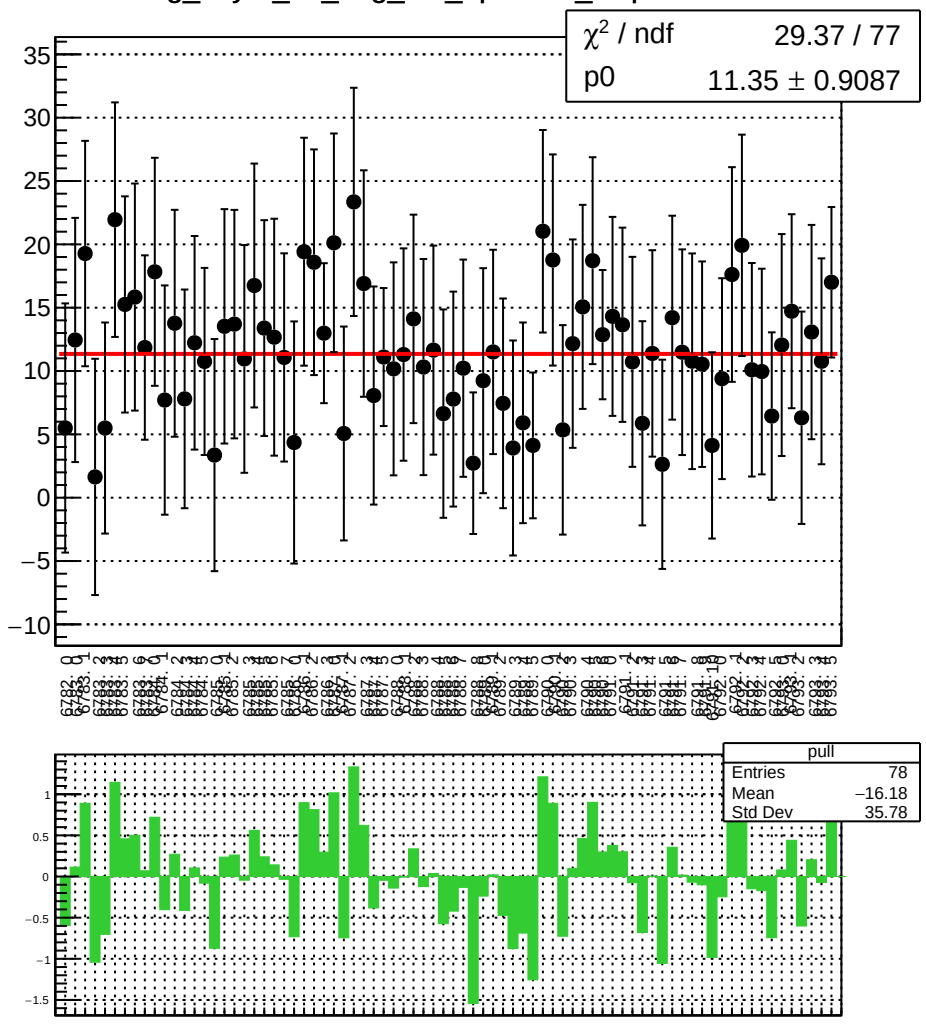

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 77
p0 −75.67 ± 1.39
pull
Entries 78
Mean −146
Std Dev 161

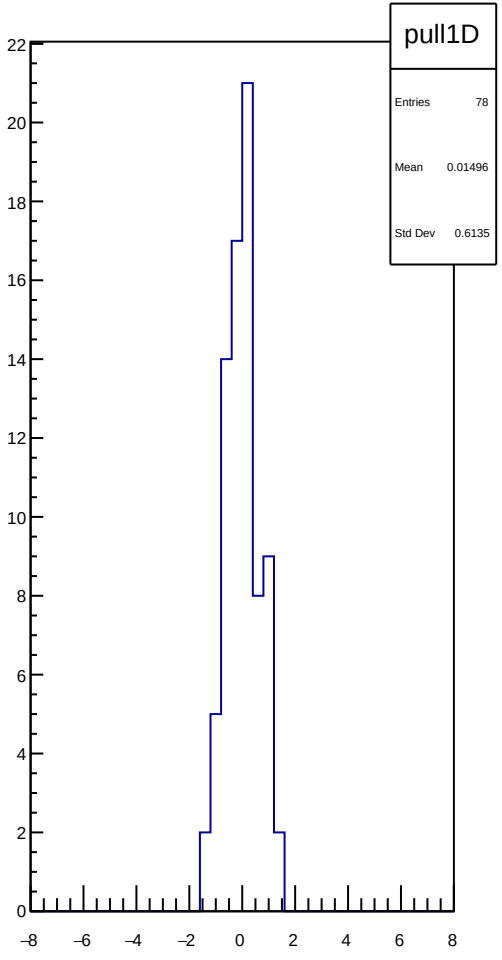

pull1D
Entries 78
Mean −0.0119
Std Dev 0.7108

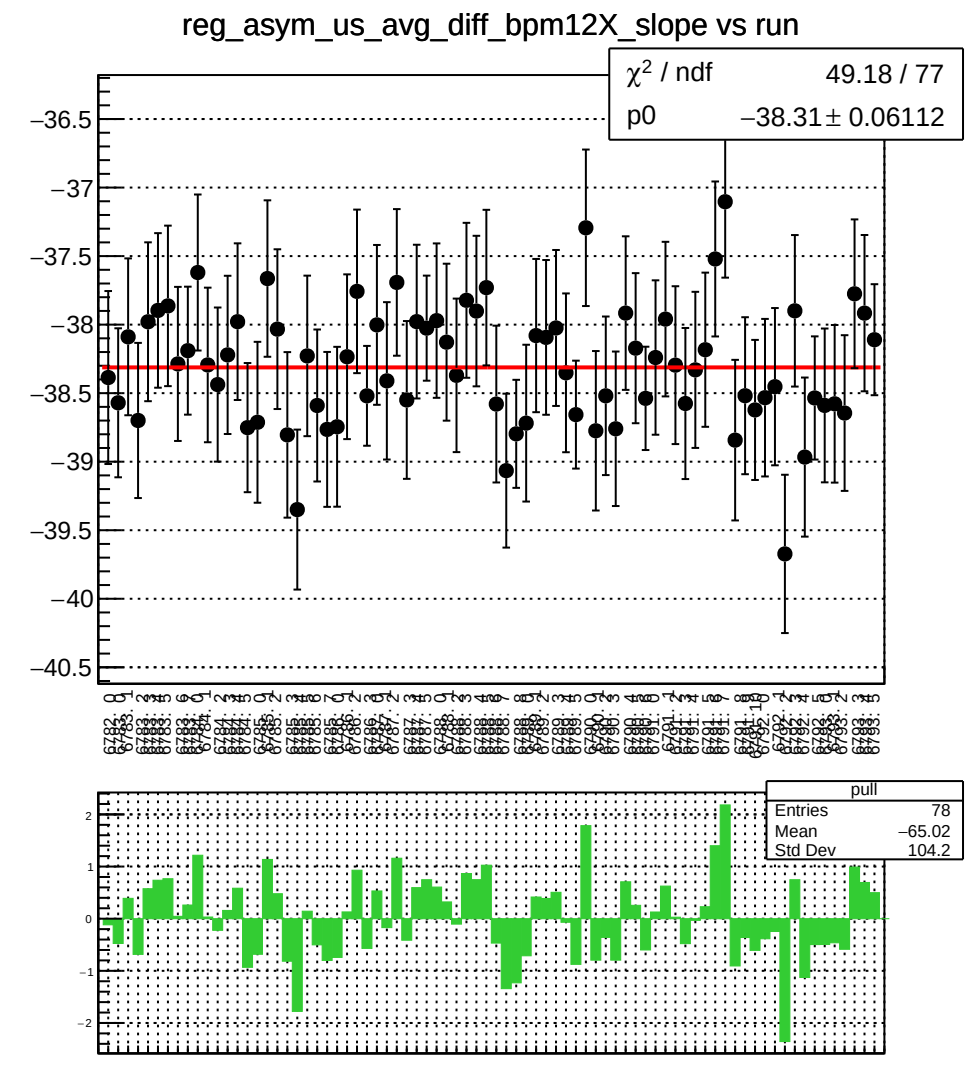

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.68 / 77
p0 4.769 ± 0.6592
pull
Entries 78
Mean −10.88
Std Dev 33.35
pull1D
Entries 78
Mean −0.01661
Std Dev 0.5955

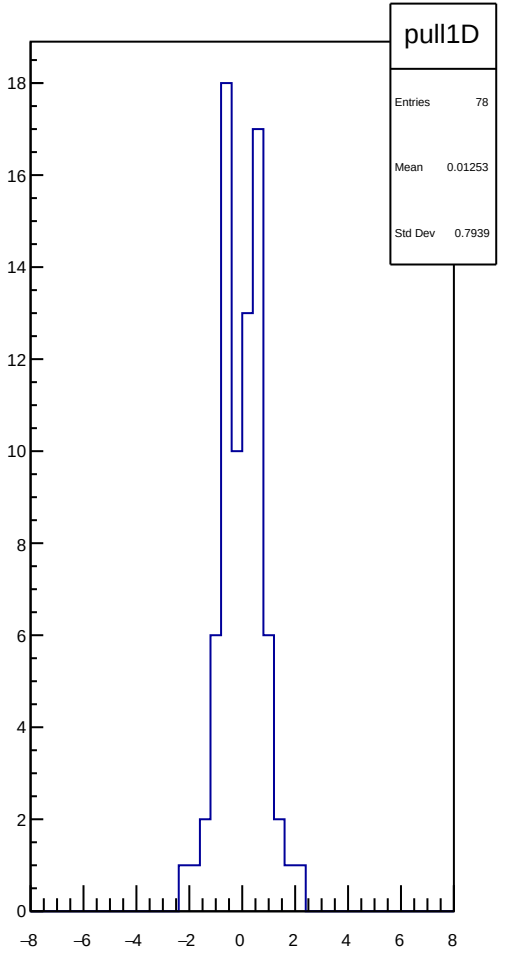

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.94 / 77
p0 70.95 ± 1.298
pull
Entries 78
Mean −146.3
Std Dev 156.1

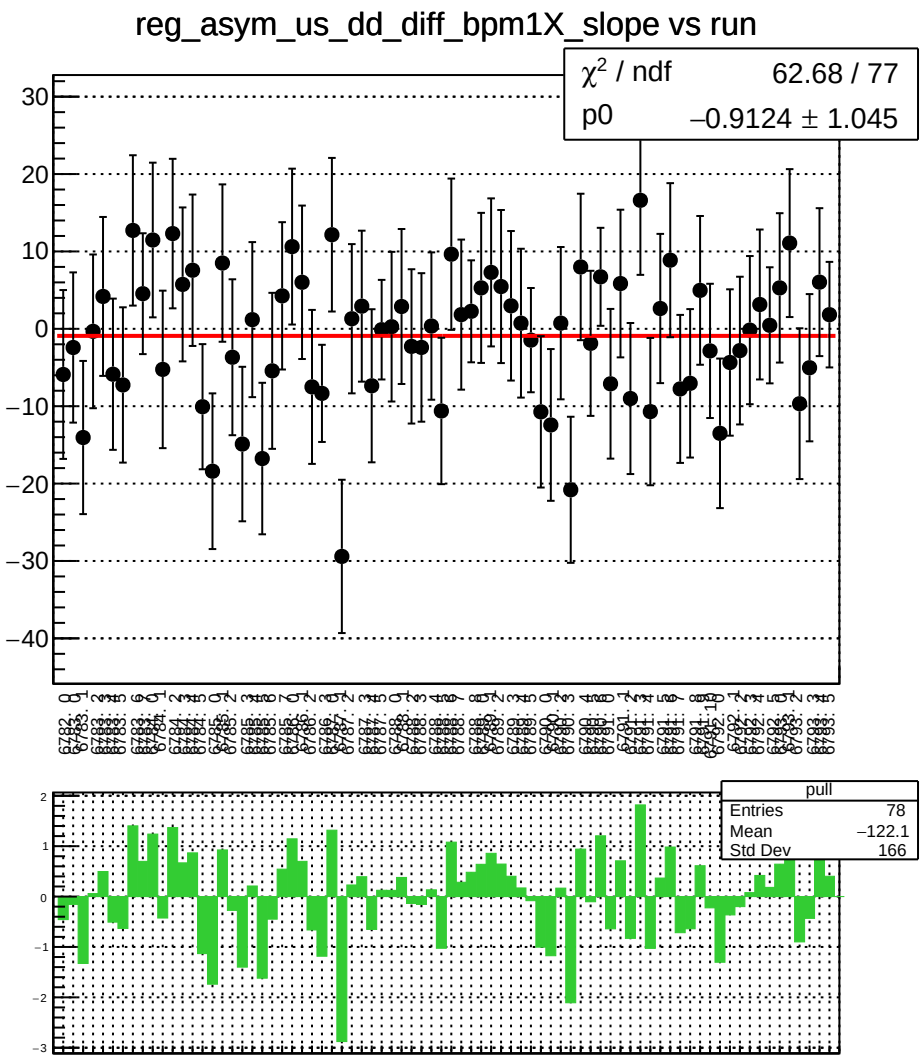

pull1D
Entries 78
Mean 0.00984
Std Dev 0.7065

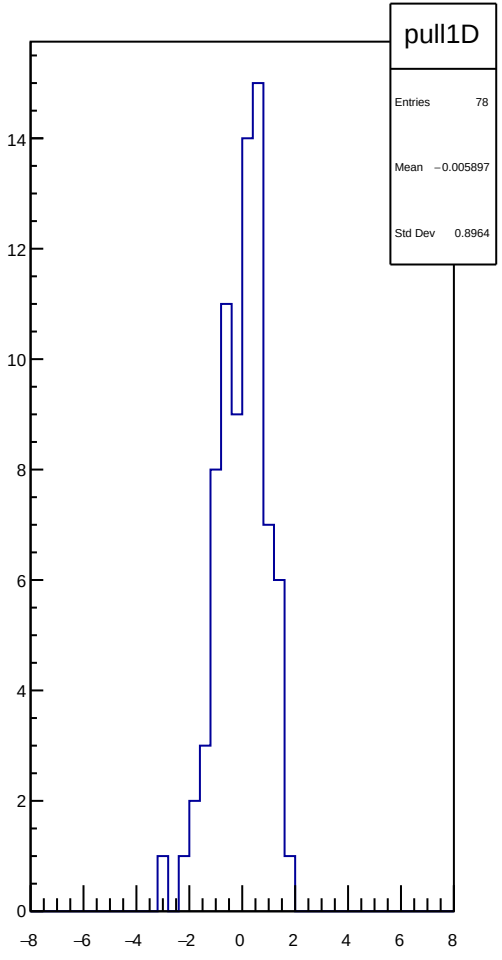

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.37 / 77
p0 11.35 ± 0.9087
pull
Entries 78
Mean −16.18
Std Dev 35.78

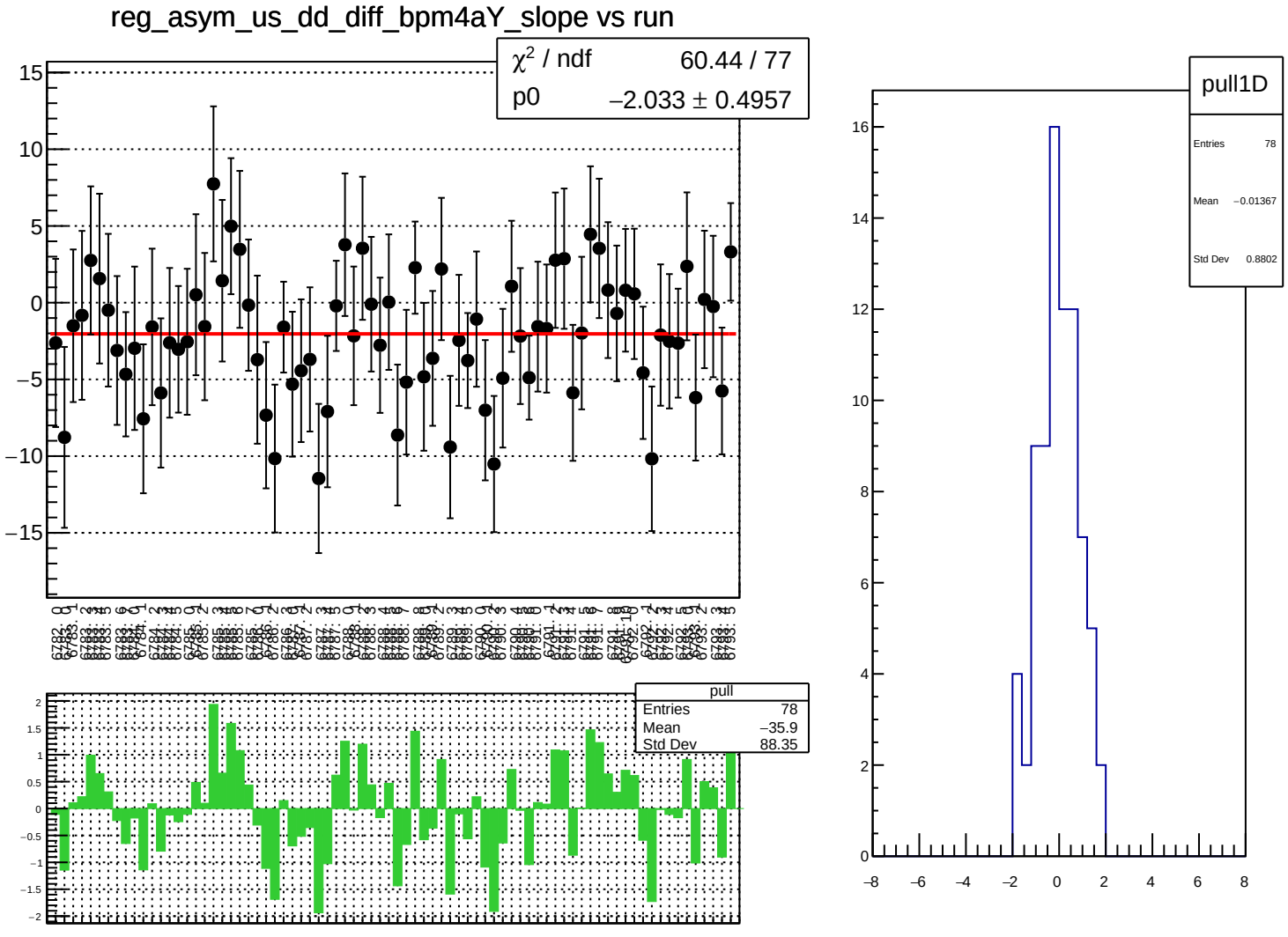

pull1D
Entries 78
Mean 0.01496
Std Dev 0.6135

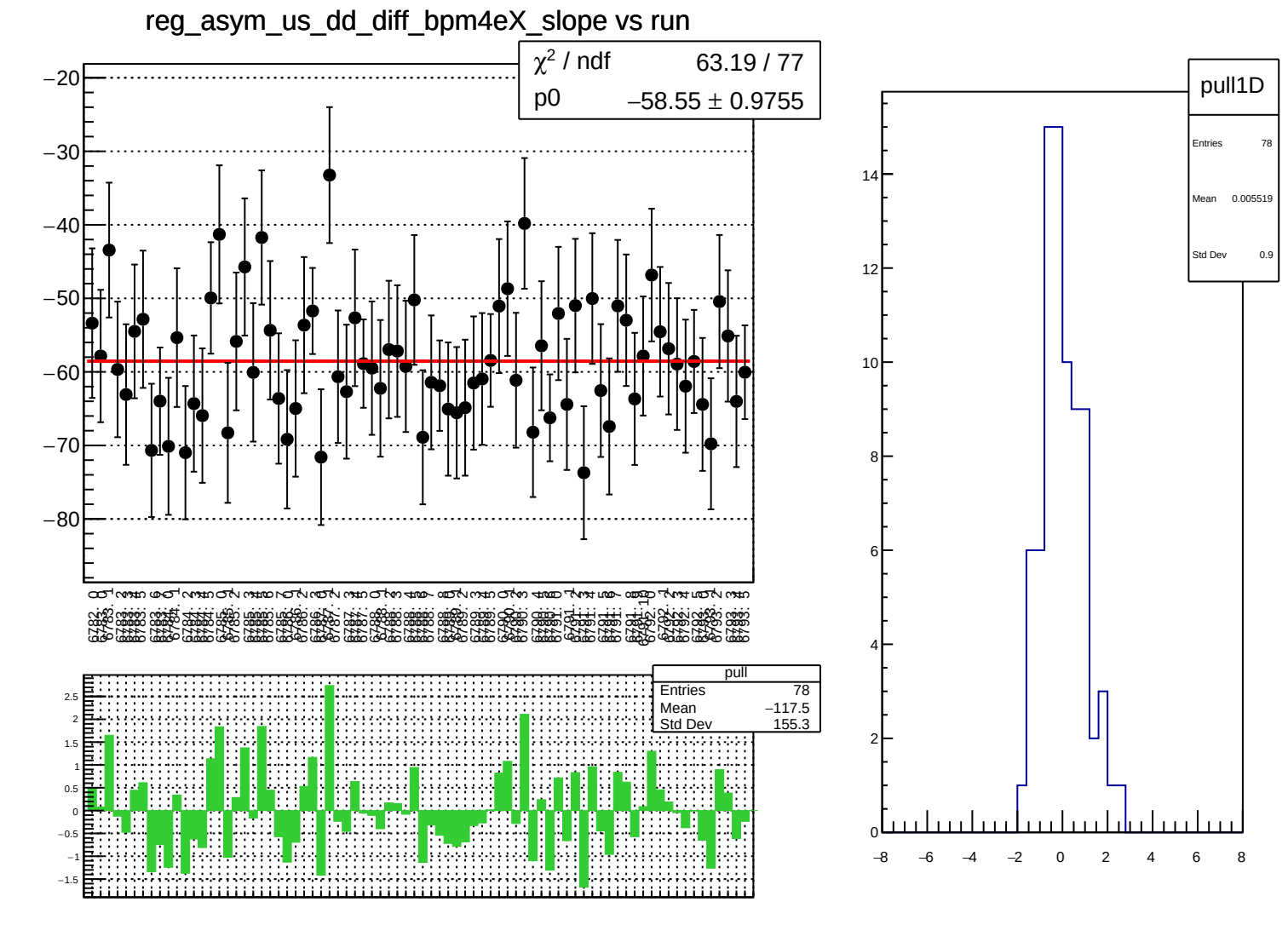

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 49.18 / 77
p0 −38.31 ± 0.06112
pull
Entries 78
Mean −65.02
Std Dev 104.2

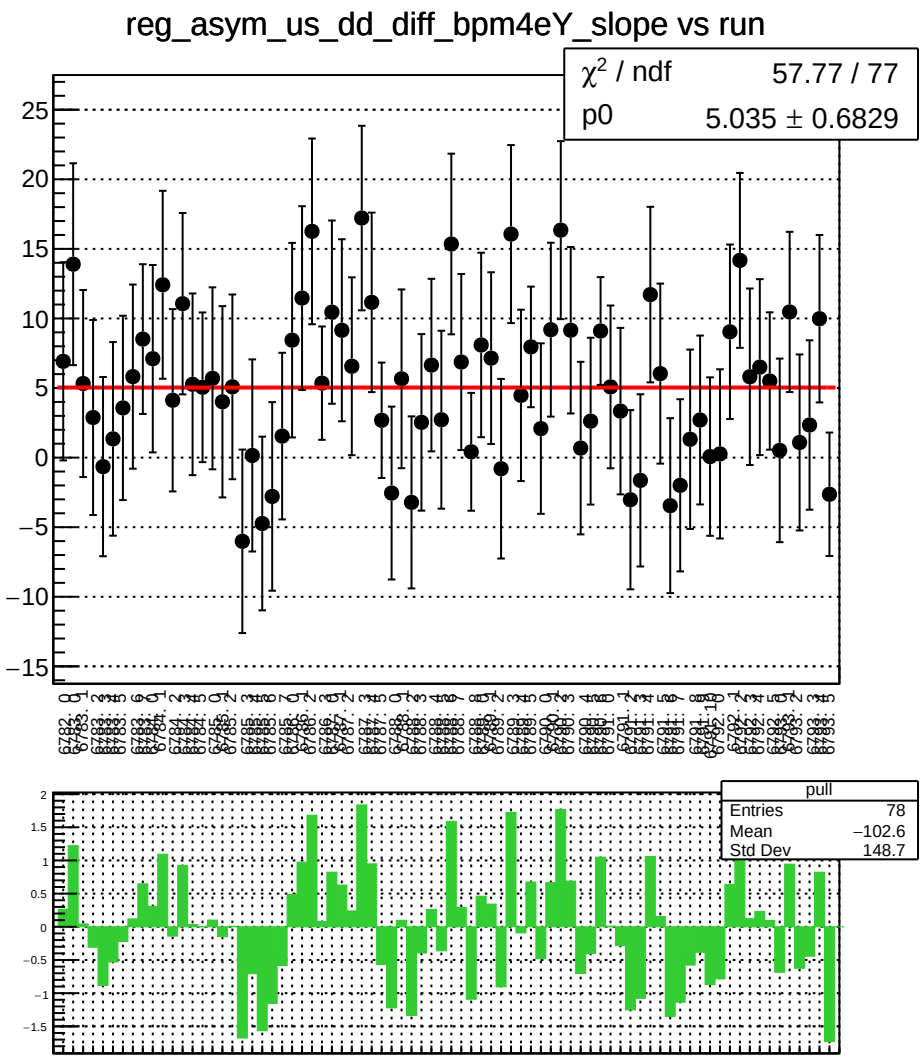

pull1D
Entries 78
Mean 0.01253
Std Dev 0.7939

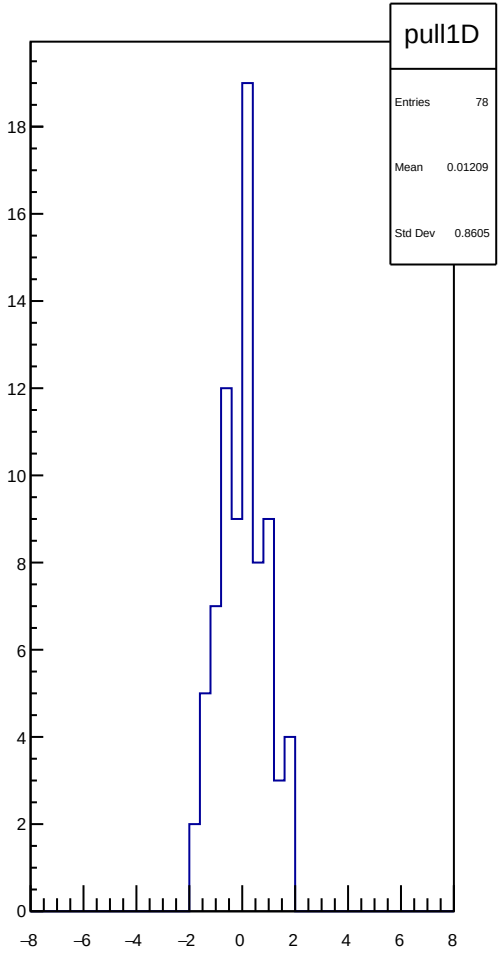

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 62.68 / 77
p0 −0.9124 ± 1.045
pull
Entries 78
Mean −122.1
Std Dev 166

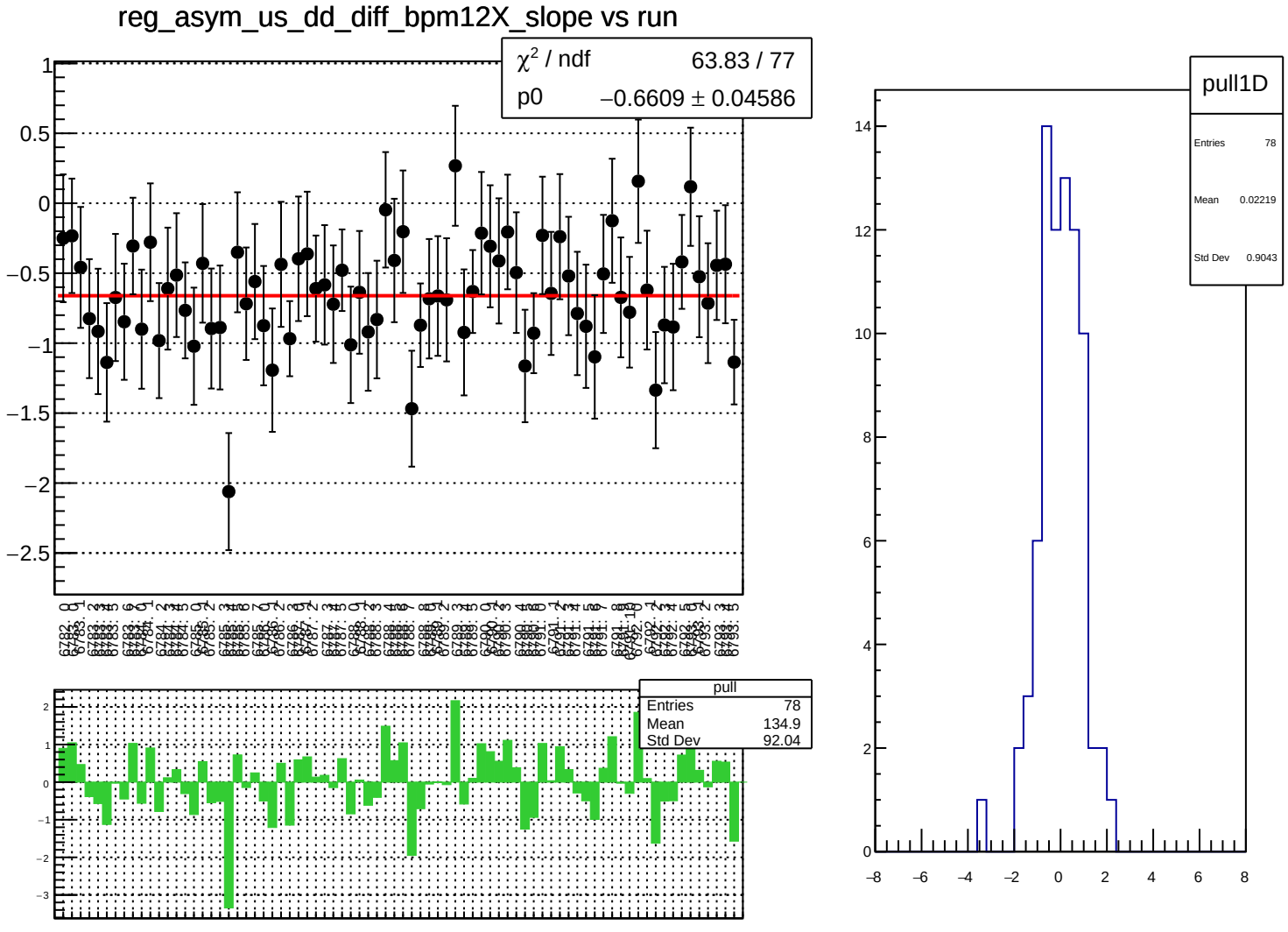

pull1D
Entries 78
Mean −0.005897
Std Dev 0.8964

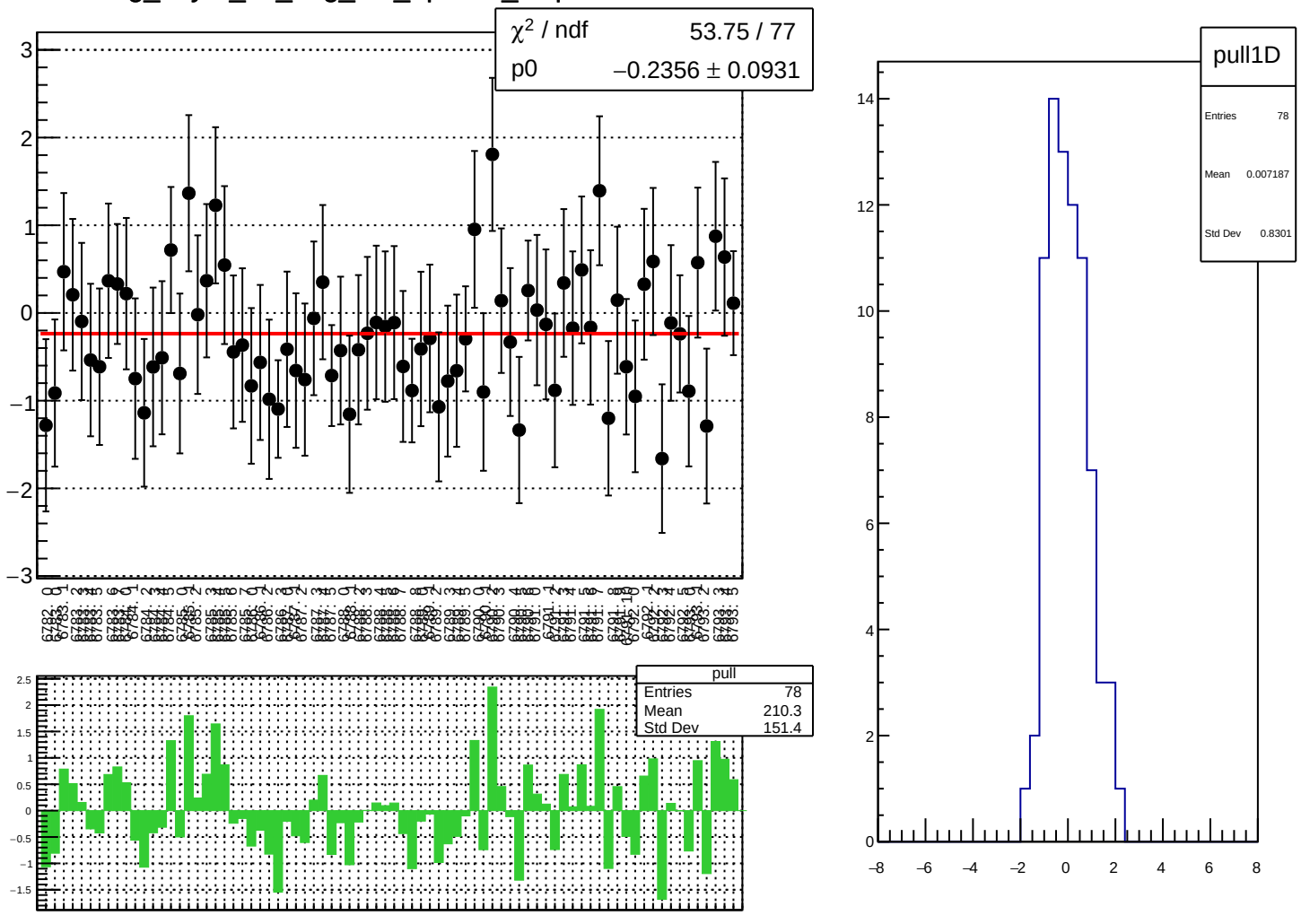

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.44 / 77
p0 −2.033 ± 0.4957
pull
Entries 78
Mean −35.9
Std Dev 88.35
pull1D
Entries 78
Mean −0.01367
Std Dev 0.8802

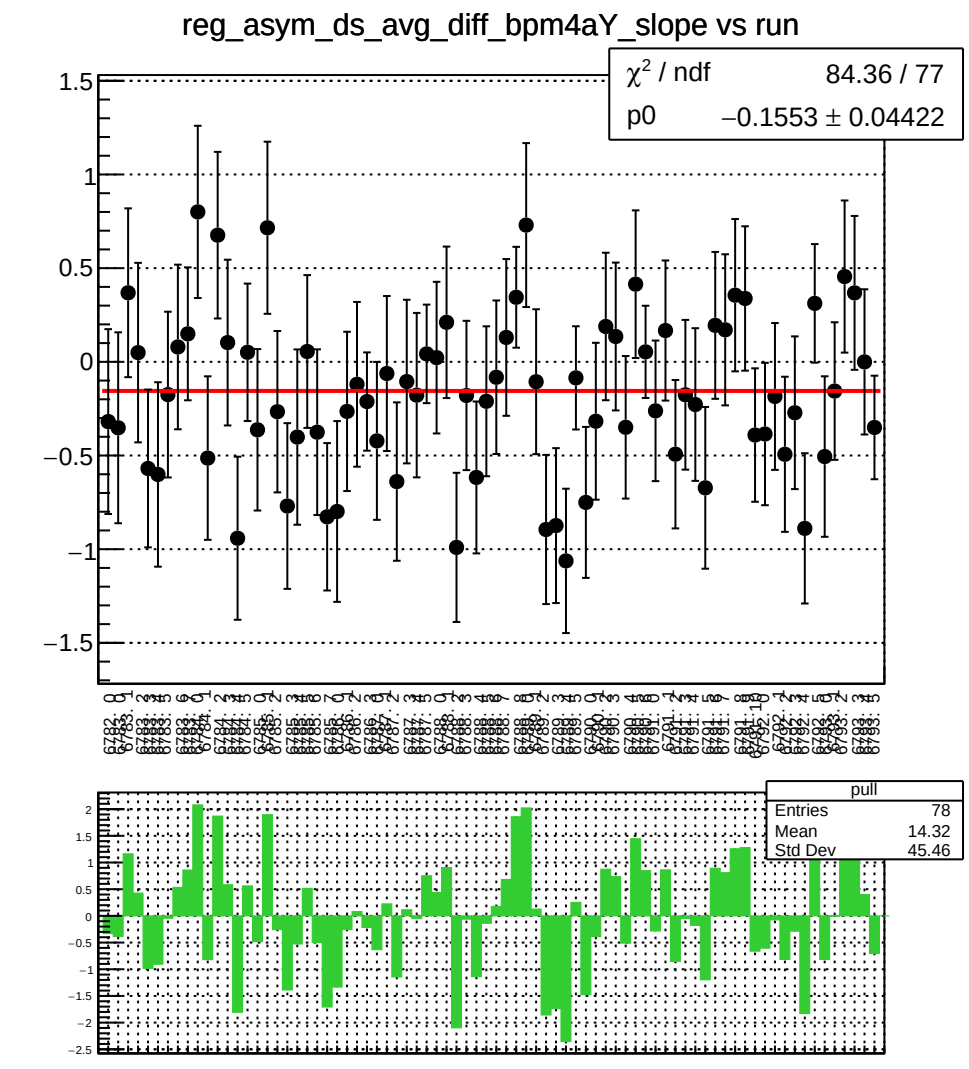

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.19 / 77
p0 −58.55 ± 0.9755
pull
Entries 78
Mean −117.5
Std Dev 155.3
pull1D
Entries 78
Mean 0.005519
Std Dev 0.9

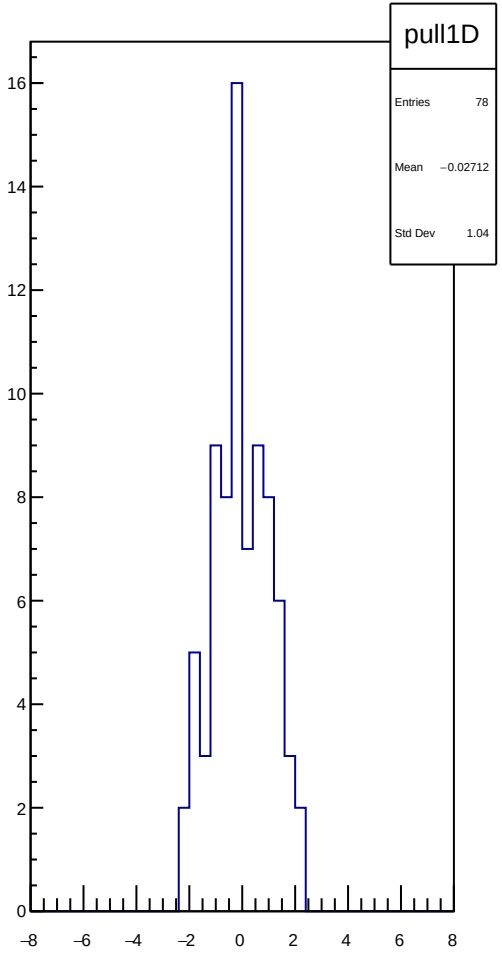

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.77 / 77
p0 5.035 ± 0.6829
pull
Entries 78
Mean −102.6
Std Dev 148.7

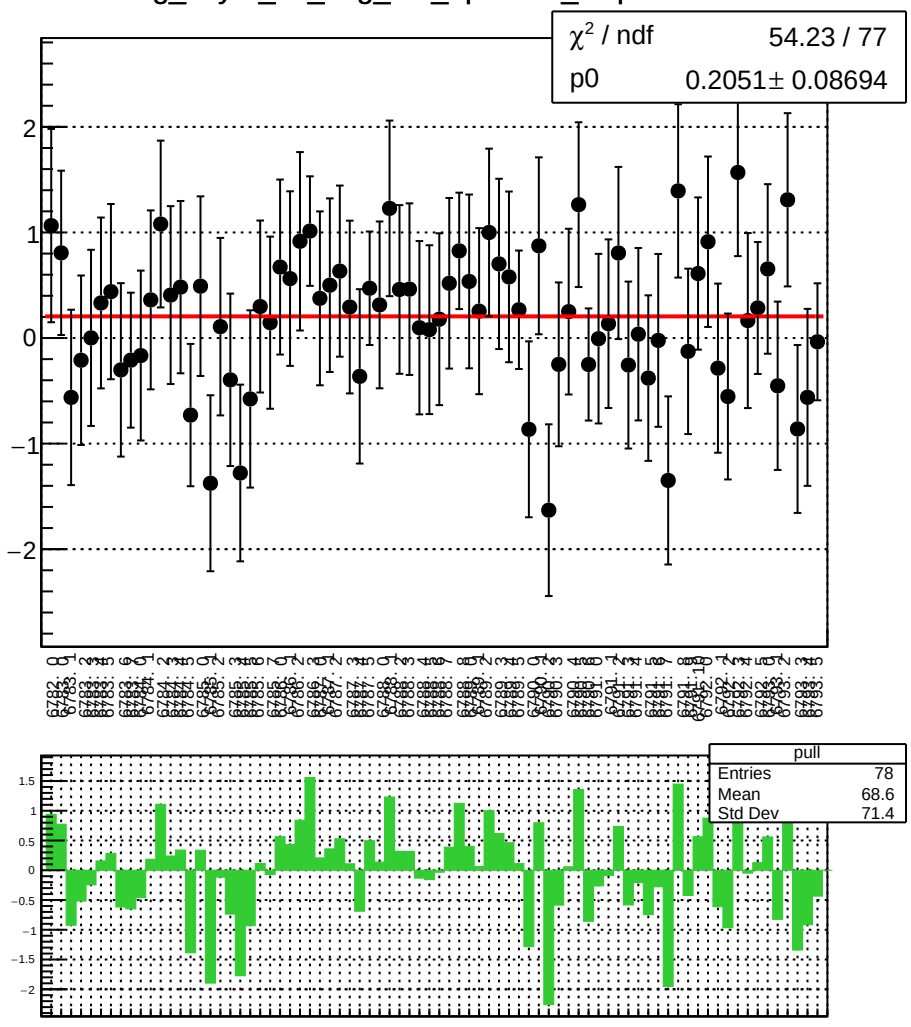

pull1D
Entries 78
Mean 0.01209
Std Dev 0.8605

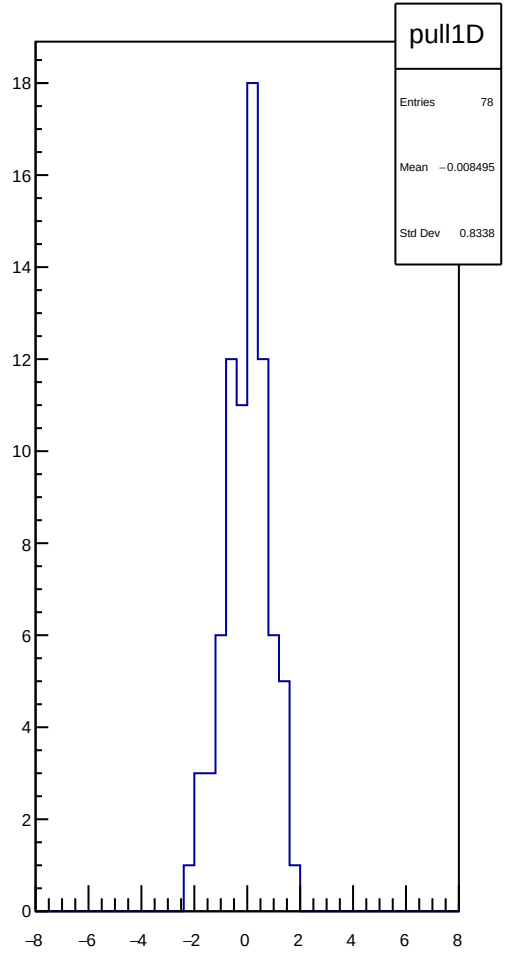

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 63.83 / 77
p0 −0.6609 ± 0.04586
pull
Entries 78
Mean 134.9
Std Dev 92.04
pull1D
Entries 78
Mean 0.02219
Std Dev 0.9043

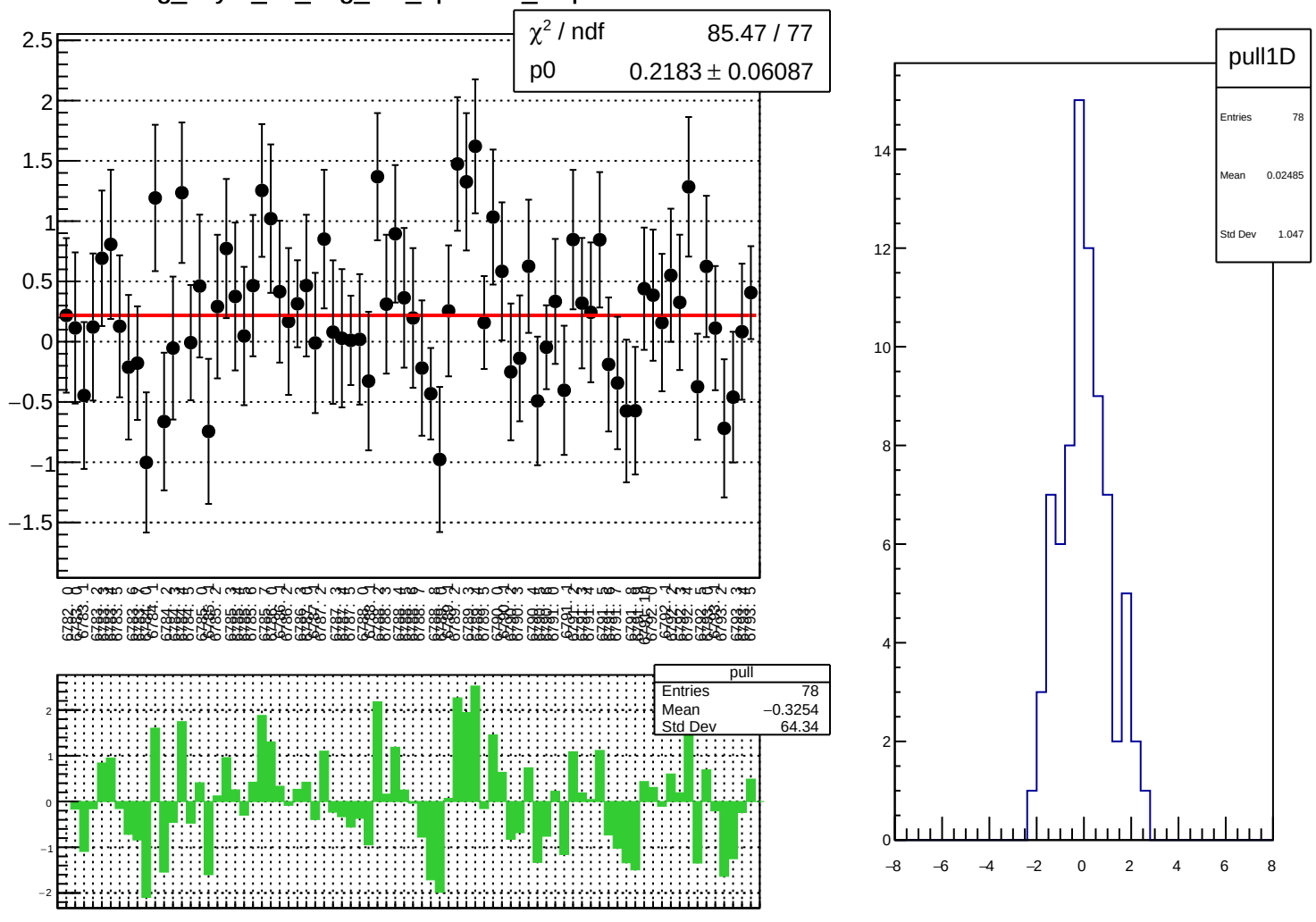

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 53.75 / 77
p0 −0.2356 ± 0.0931
pull
Entries 78
Mean 210.3
Std Dev 151.4
pull1D
Entries 78
Mean 0.007187
Std Dev 0.8301

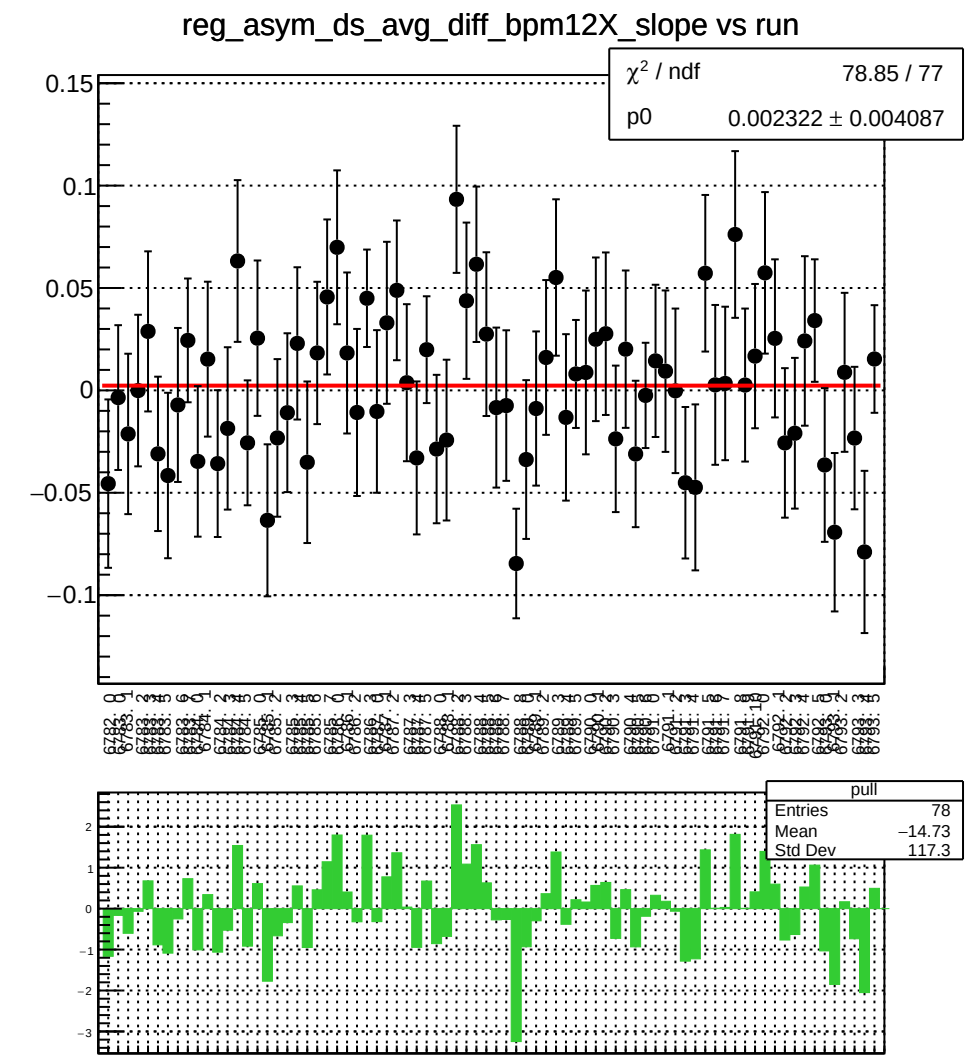

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.36 / 77
p0 −0.1553 ± 0.04422
pull
Entries 78
Mean 14.32
Std Dev 45.46

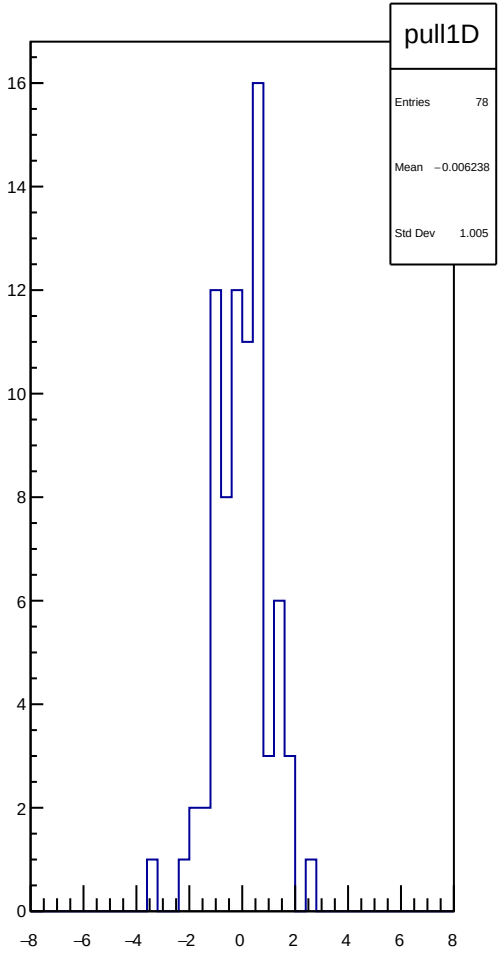

pull1D
Entries 78
Mean −0.02712
Std Dev 1.04

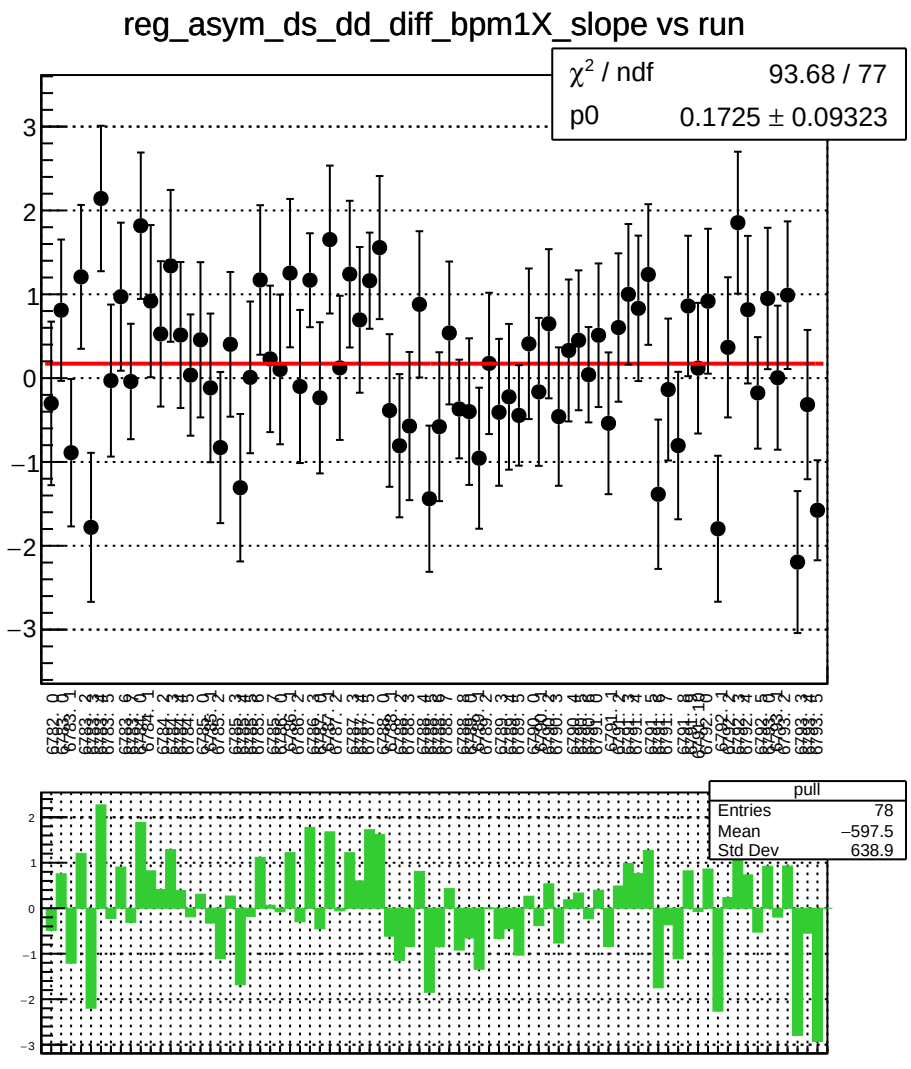

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.23 / 77
p0 0.2051± 0.08694
pull
Entries 78
Mean 68.6
Std Dev 71.4

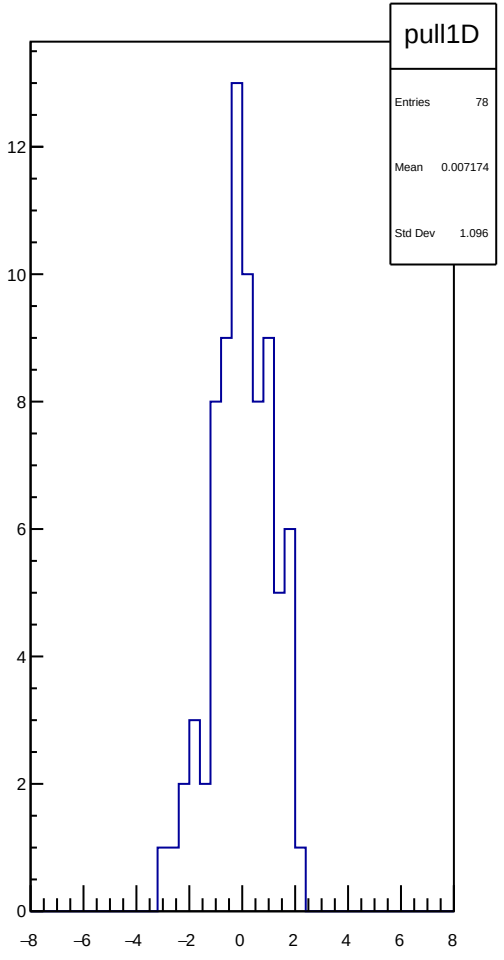

pull1D
Entries 78
Mean −0.008495
Std Dev 0.8338

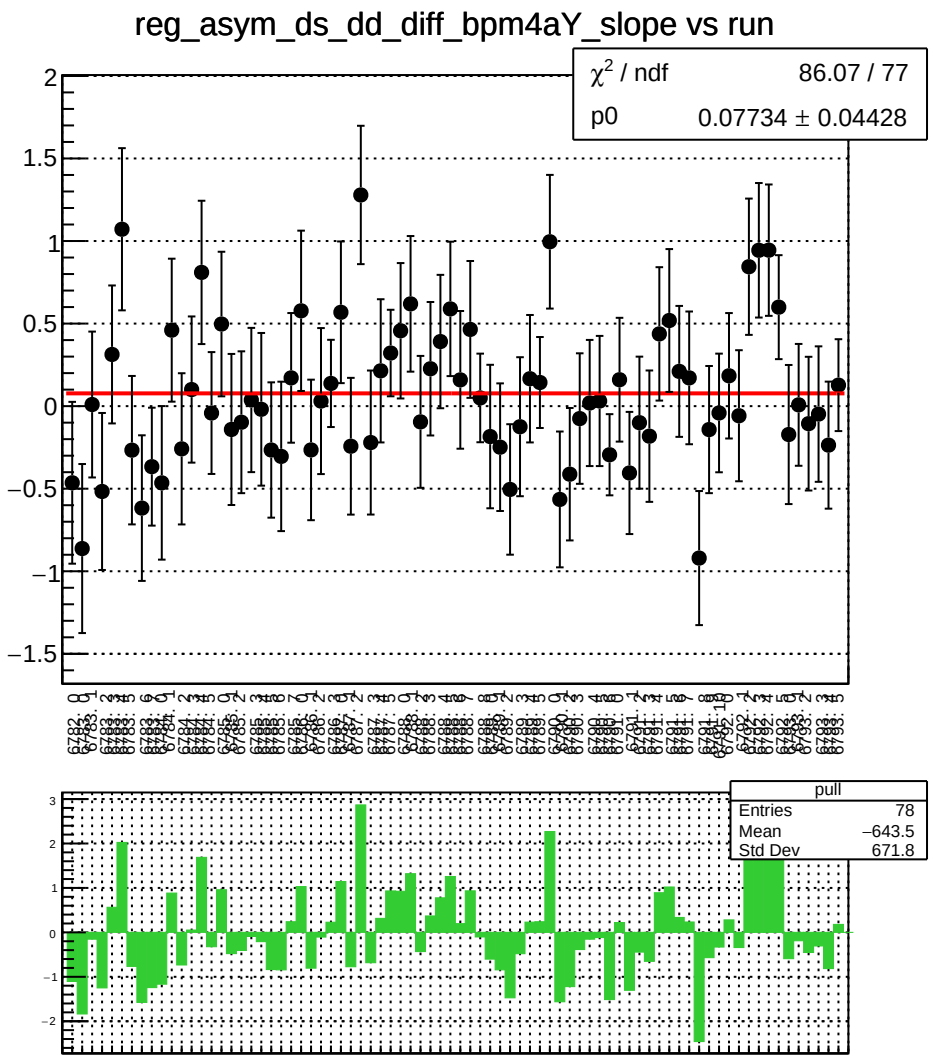

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.47 / 77
p0 0.2183 ± 0.06087
pull
Entries 78
Mean −0.3254
Std Dev 64.34
pull1D
Entries 78
Mean 0.02485
Std Dev 1.047

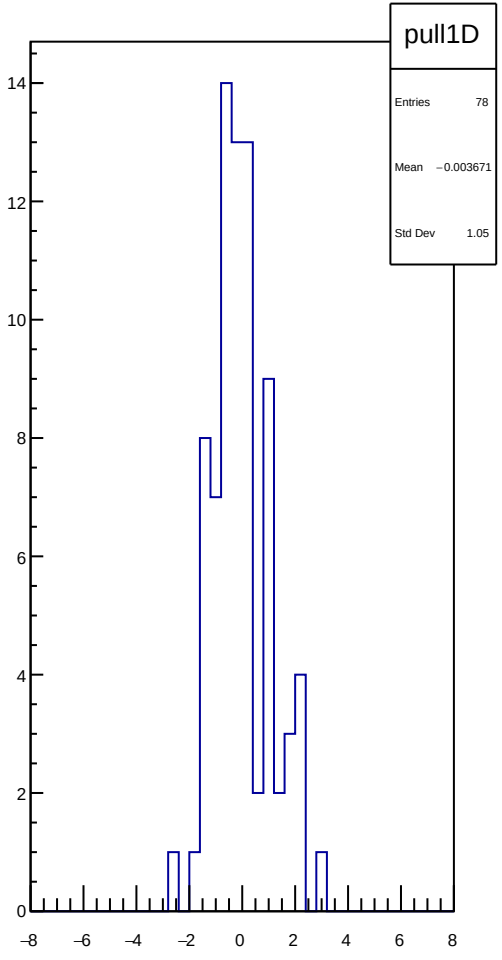

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 78.85 / 77
p0 0.002322 ± 0.004087
pull
Entries 78
Mean −14.73
Std Dev 117.3

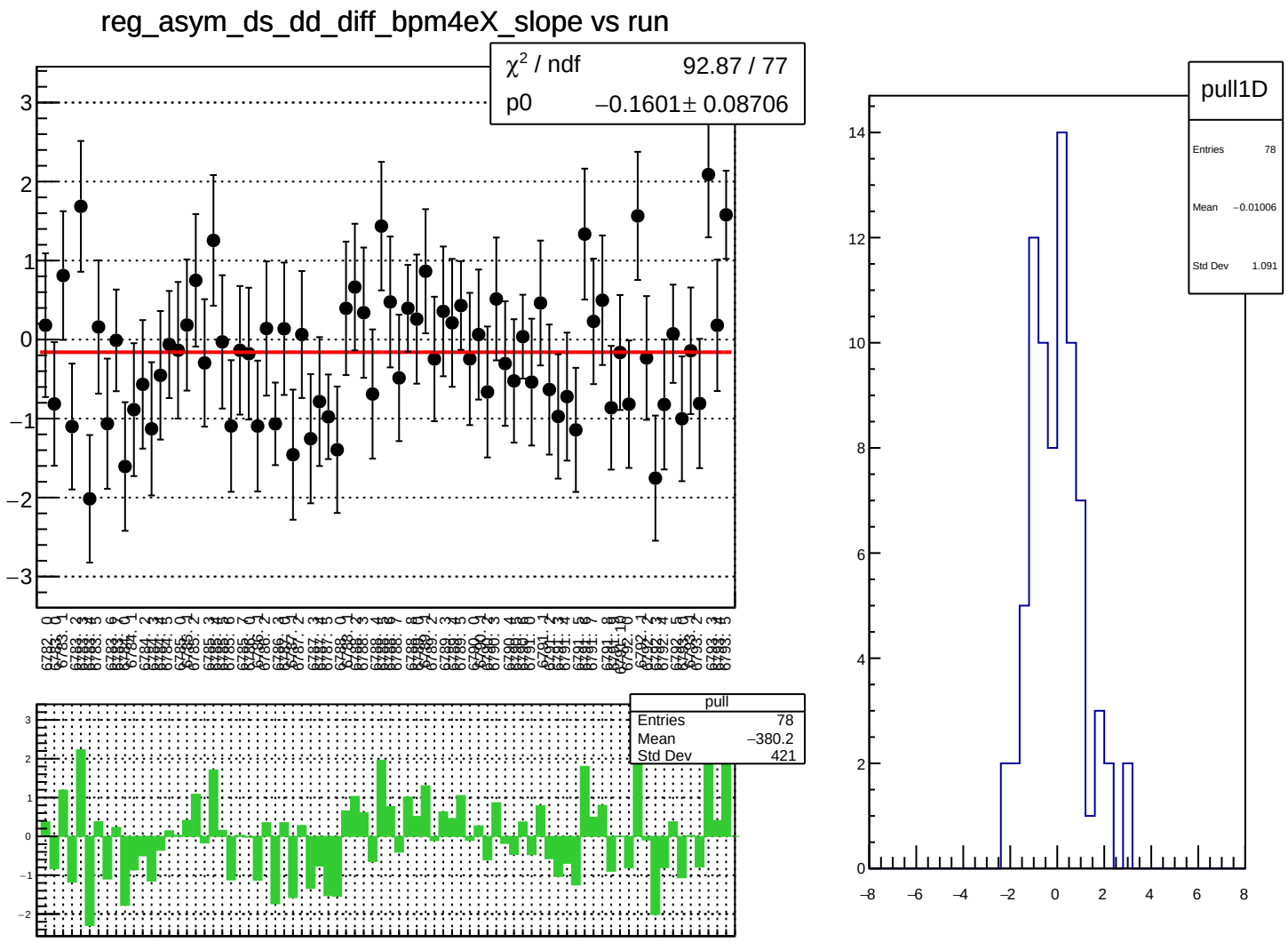

pull1D
Entries 78
Mean −0.006238
Std Dev 1.005

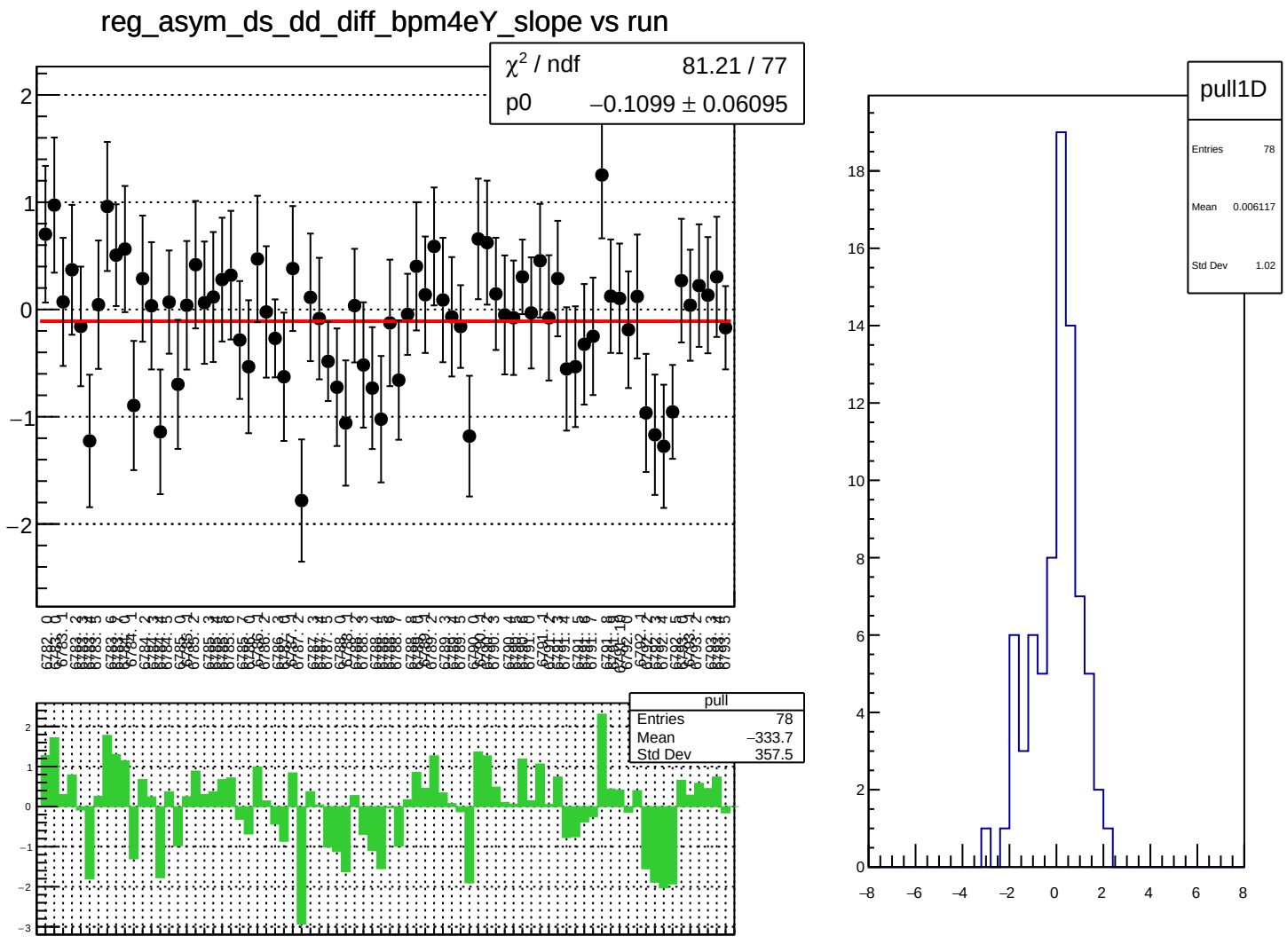

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 93.68 / 77
p0 0.1725 ± 0.09323
pull
Entries 78
Mean −597.5
Std Dev 638.9

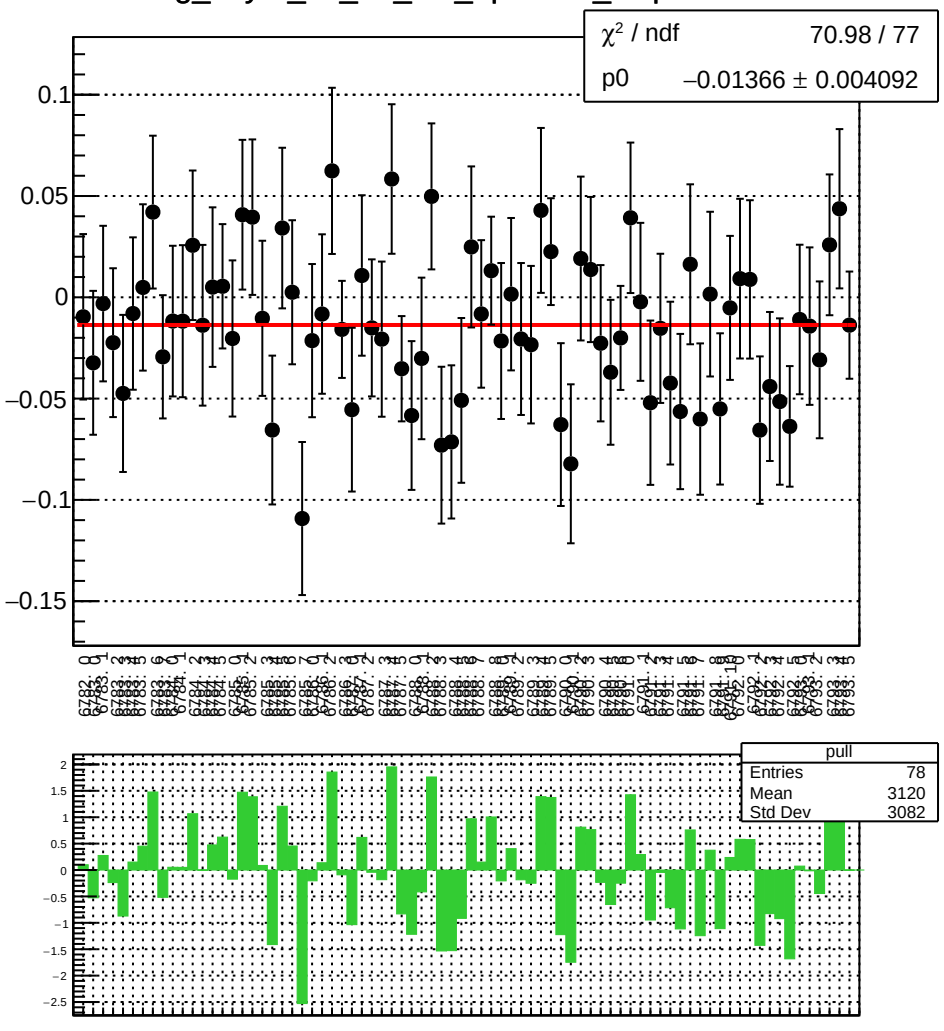

pull1D
Entries 78
Mean 0.007174
Std Dev 1.096

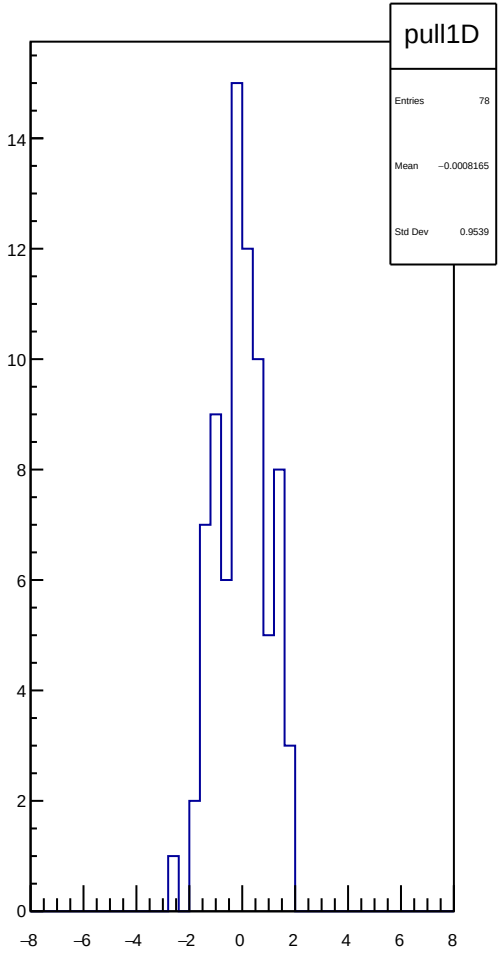

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.07 / 77
p0 0.07734 ± 0.04428
pull
Entries 78
Mean −643.5
Std Dev 671.8

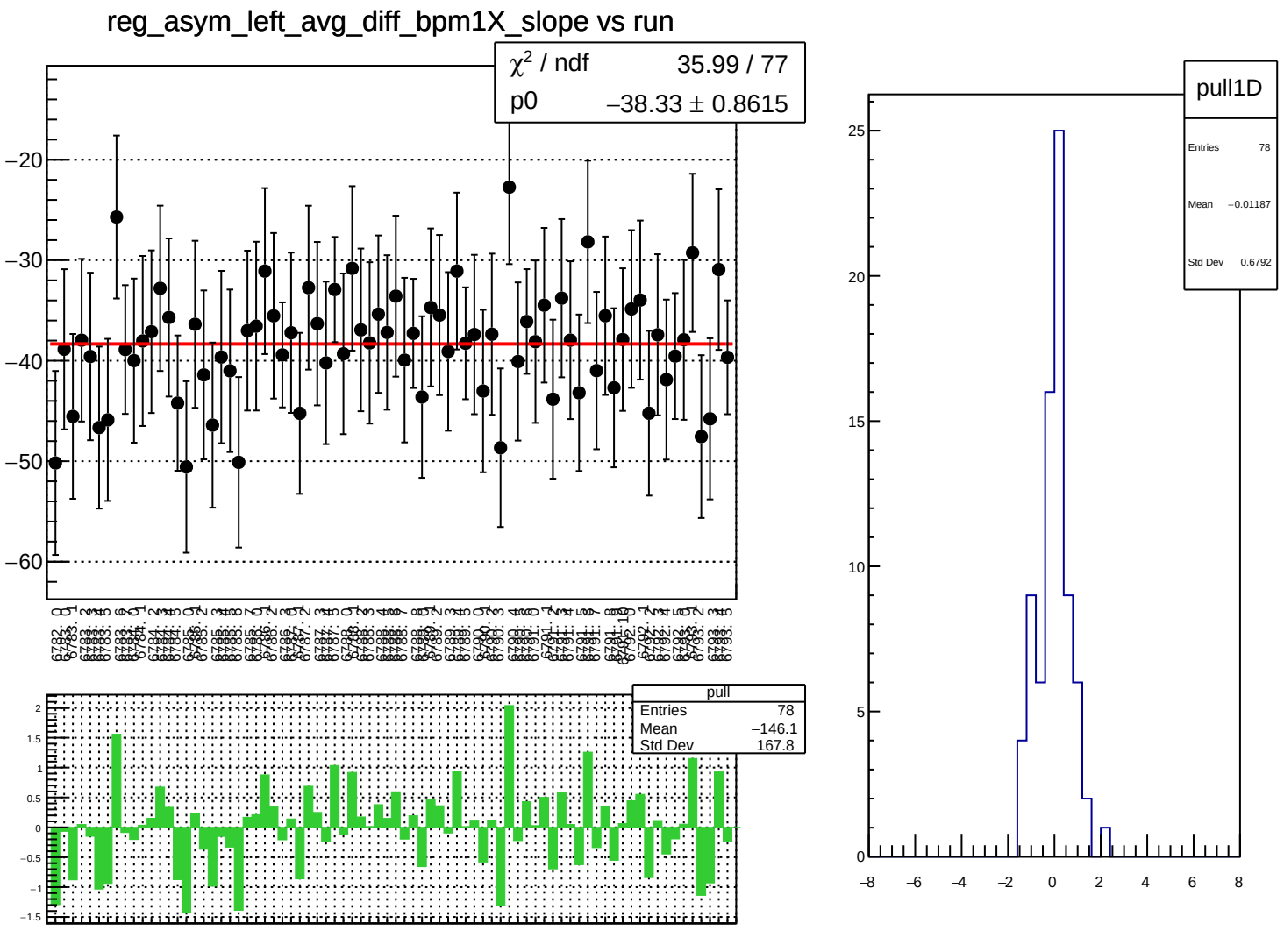

pull1D
Entries 78
Mean −0.003671
Std Dev 1.05

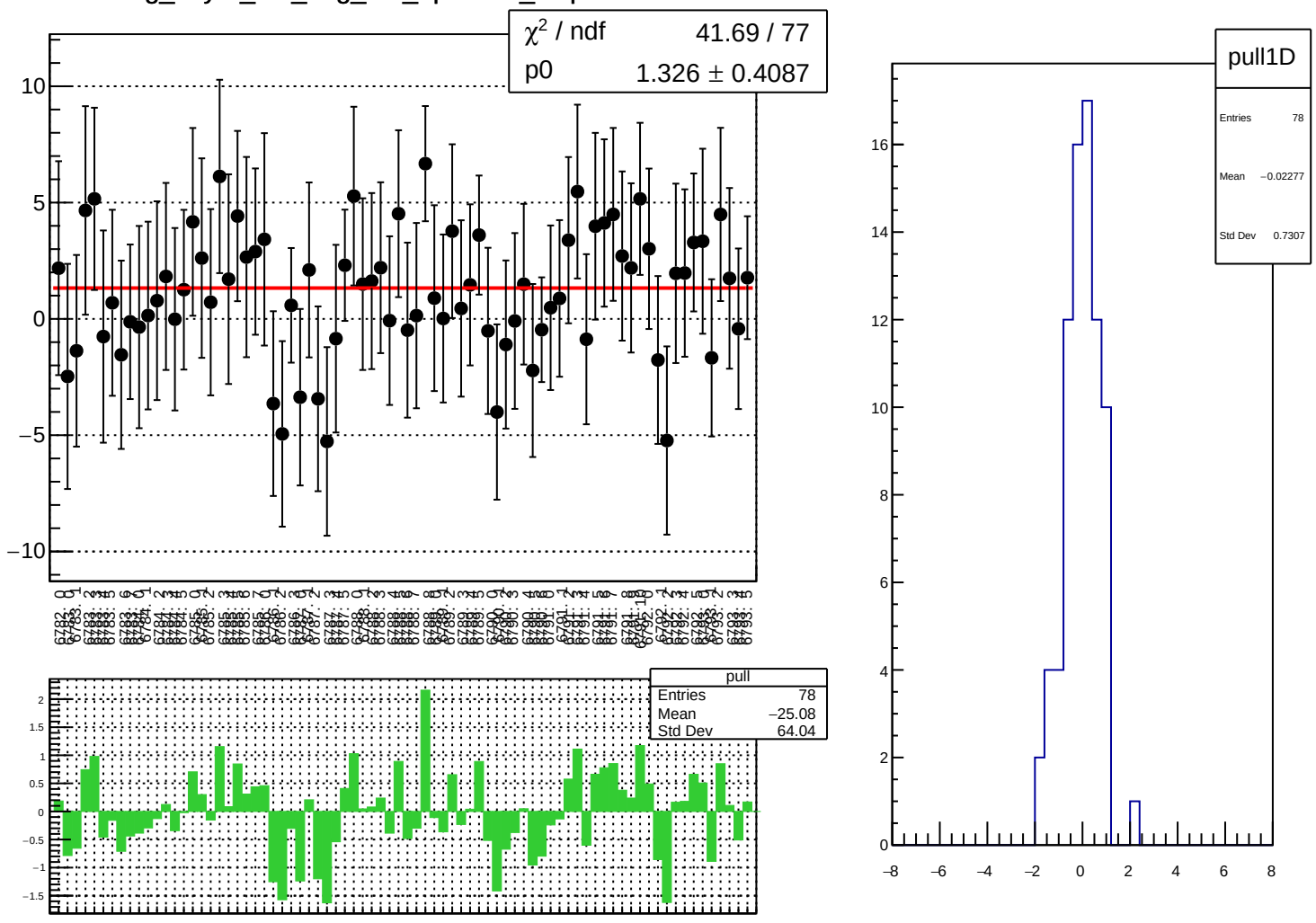

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.87 / 77
p0 −0.1601 ± 0.08706
pull
Entries 78
Mean −380.2
Std Dev 421
pull1D
Entries 78
Mean −0.01006
Std Dev 1.091

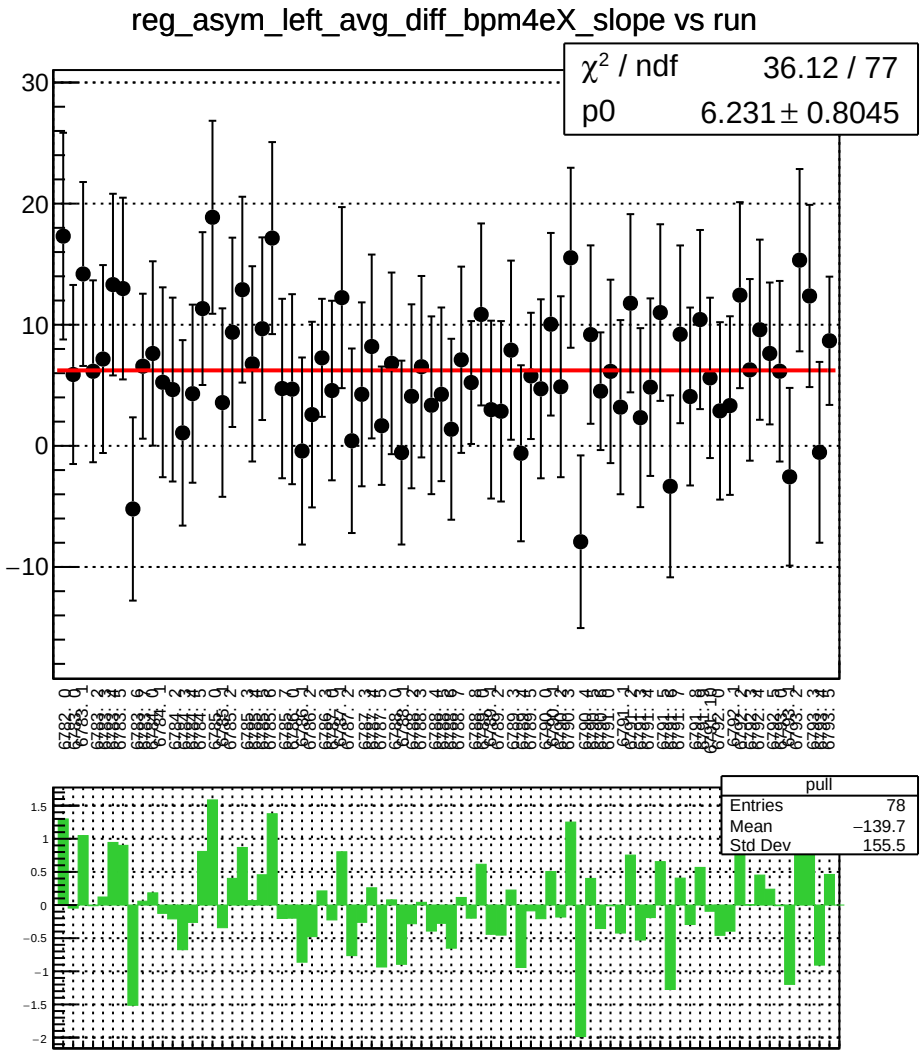

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.21 / 77
p0 −0.1099 ± 0.06095
pull
Entries 78
Mean −333.7
Std Dev 357.5
pull1D
Entries 78
Mean 0.006117
Std Dev 1.02

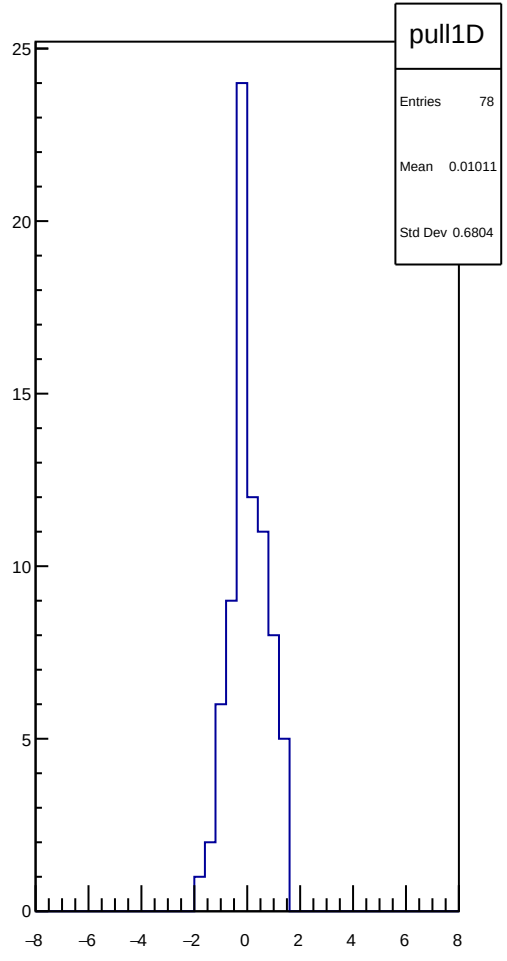

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 70.98 / 77
p0 −0.01366 ± 0.004092
pull
Entries 78
Mean 3120
Std Dev 3082

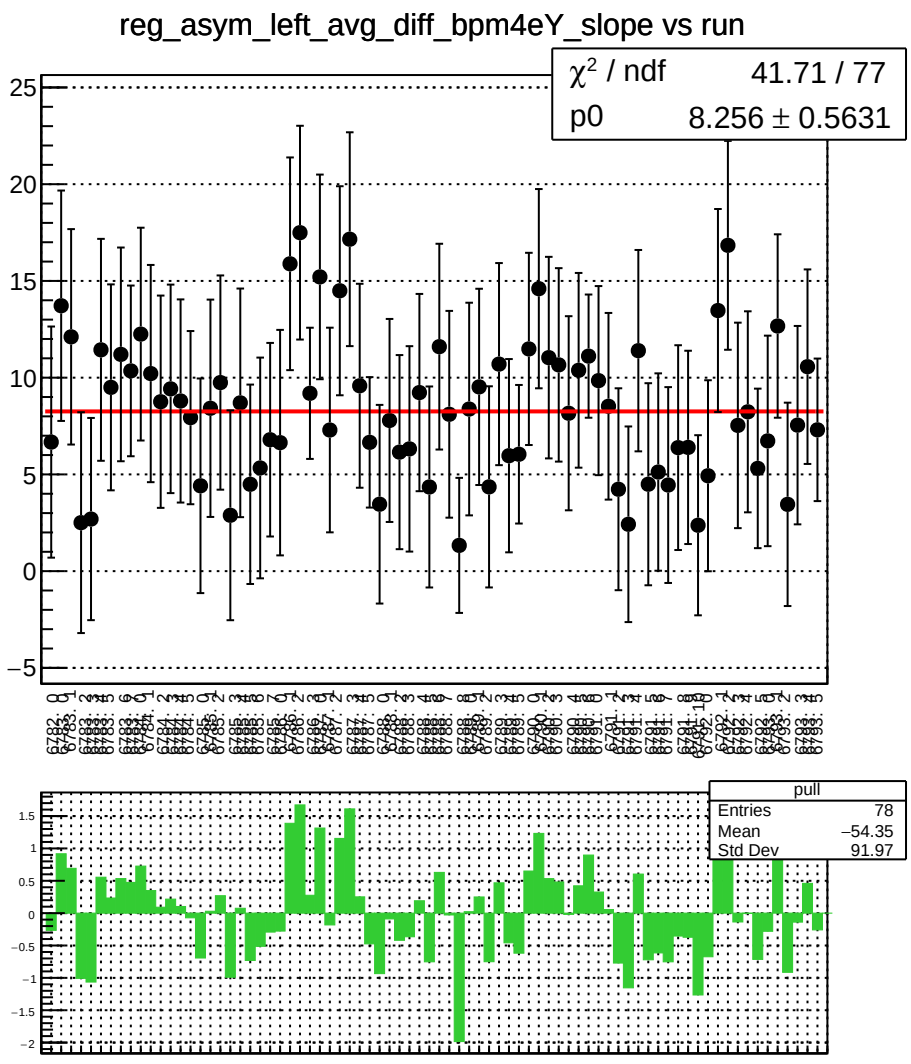

pull1D
Entries 78
Mean −0.0008165
Std Dev 0.9539

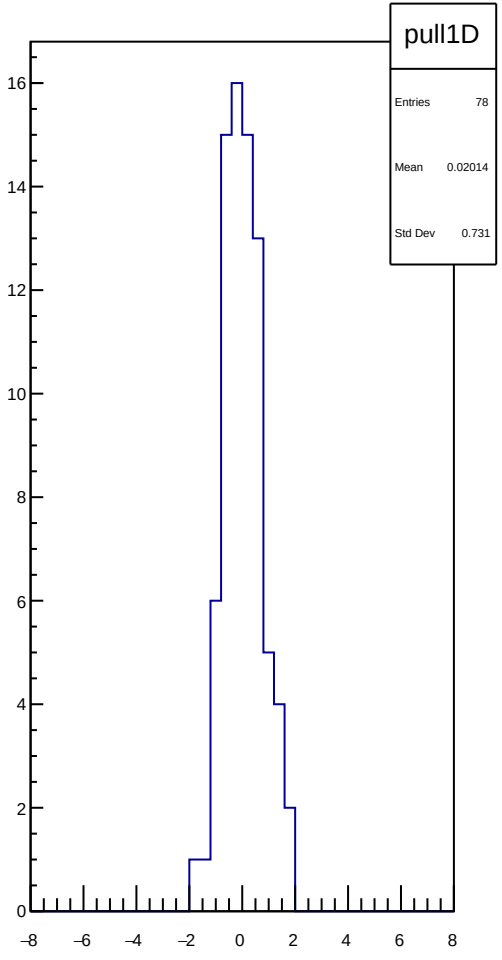

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 35.99 / 77
p0 −38.33 ± 0.8615
−20
−30
−40
−50
−60
pull
Entries 78
Mean −146.1
Std Dev 167.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.01187
Std Dev 0.6792
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

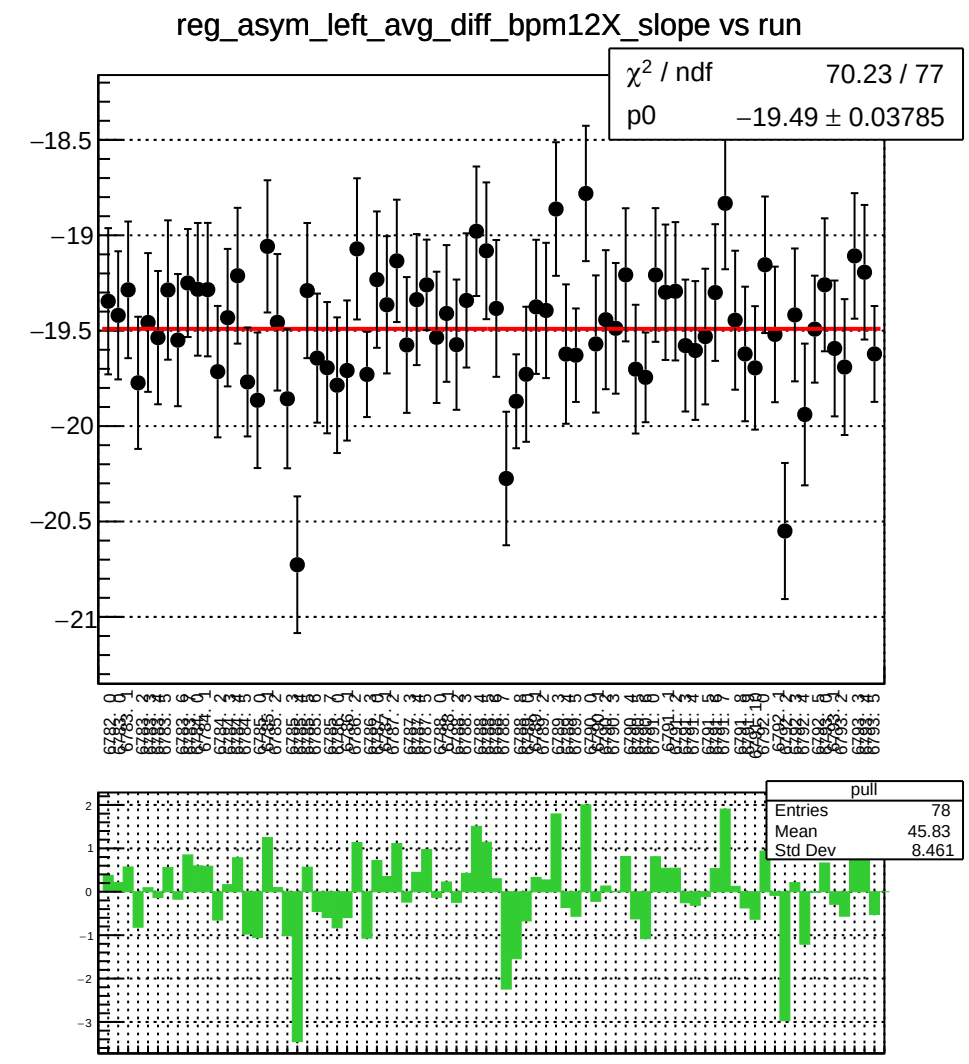

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.69 / 77
p0 1.326 ± 0.4087
pull
Entries 78
Mean −25.08
Std Dev 64.04
pull1D
Entries 78
Mean −0.02277
Std Dev 0.7307

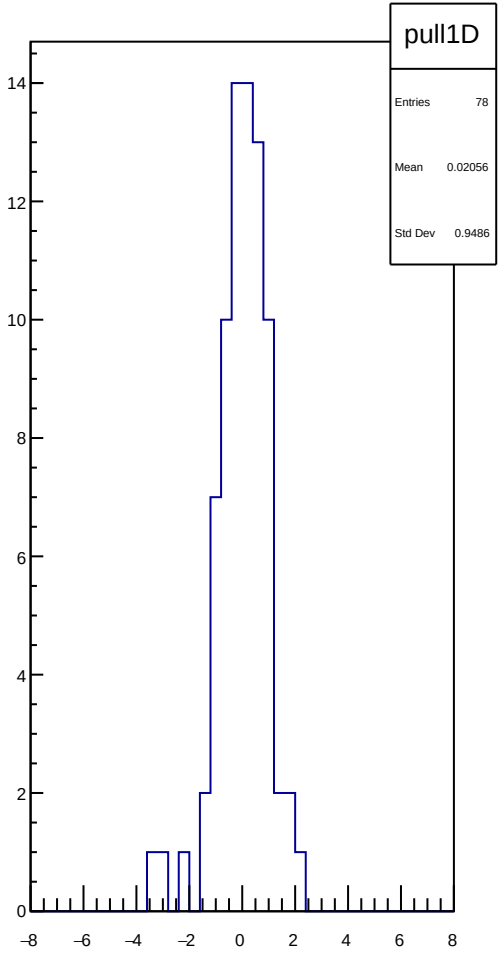

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.12 / 77
p0 6.231 ± 0.8045
pull
Entries 78
Mean −139.7
Std Dev 155.5

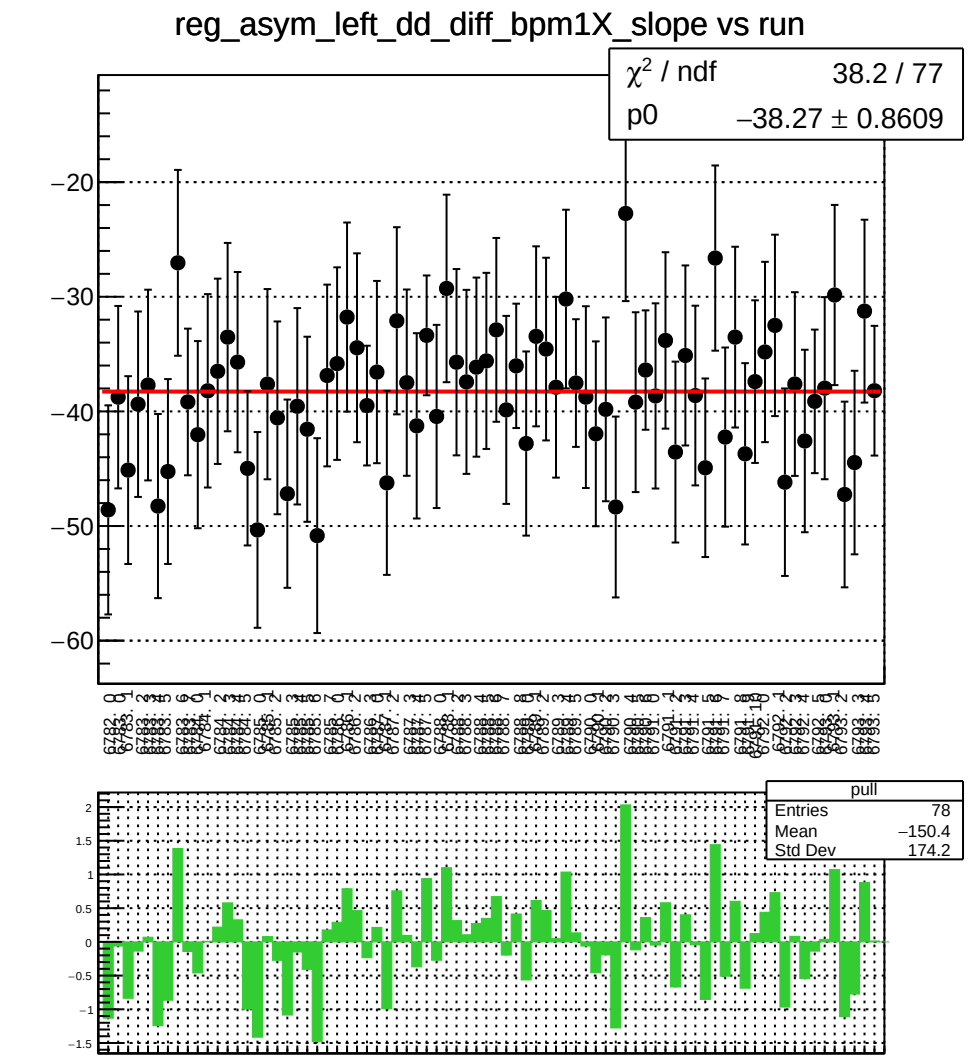

pull1D
Entries 78
Mean 0.01011
Std Dev 0.6804

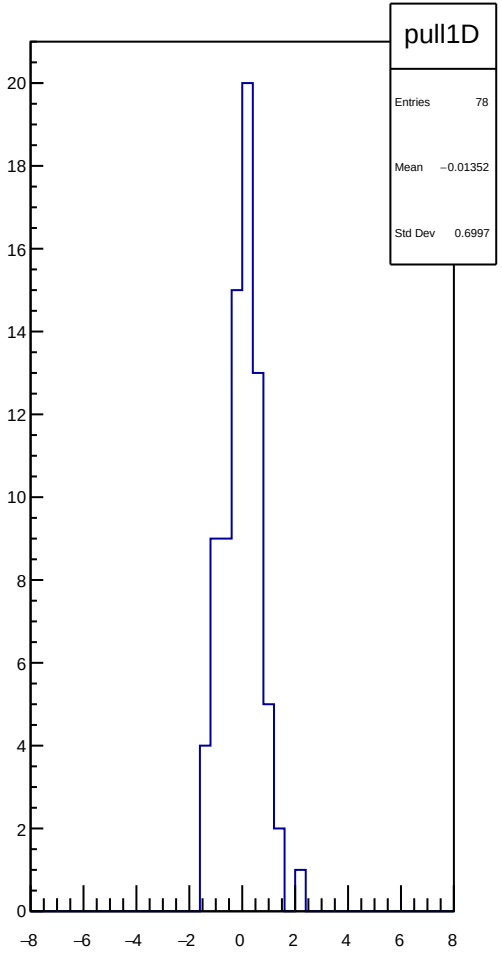

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.71 / 77
p0 8.256 ± 0.5631
pull
Entries 78
Mean −54.35
Std Dev 91.97

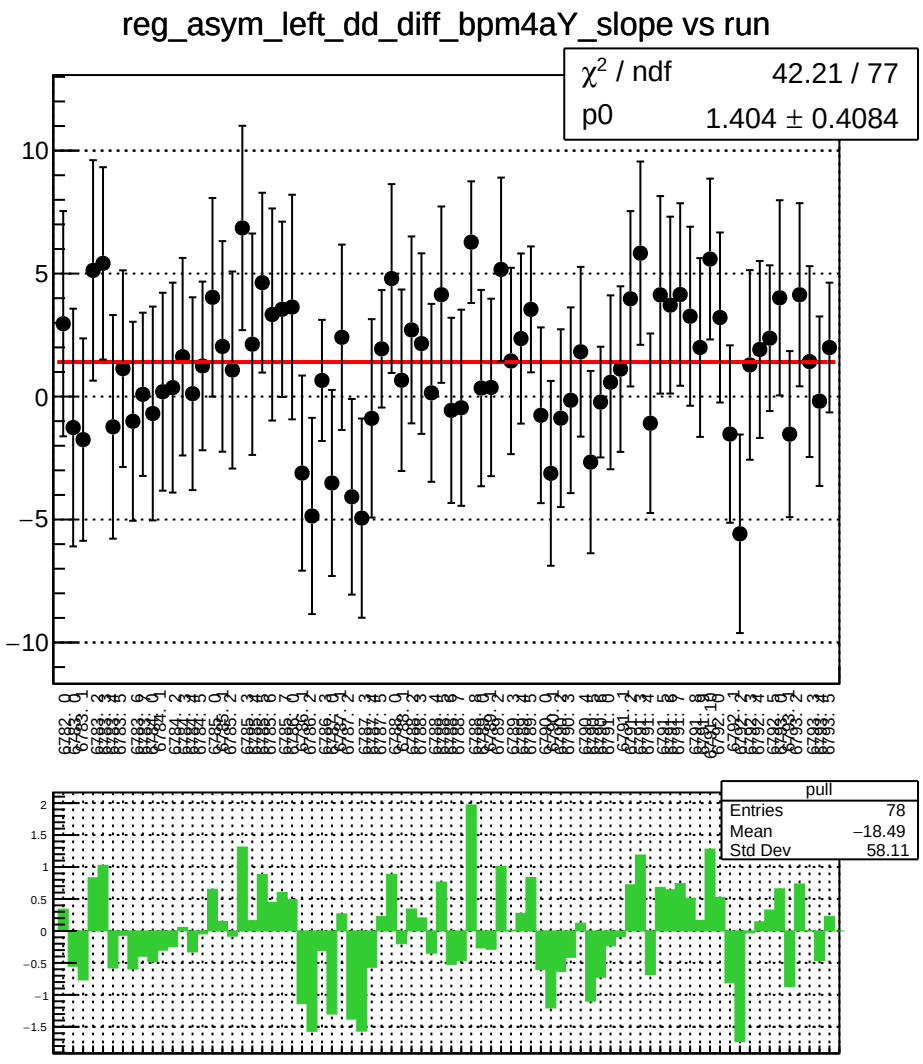

pull1D
Entries 78
Mean 0.02014
Std Dev 0.731

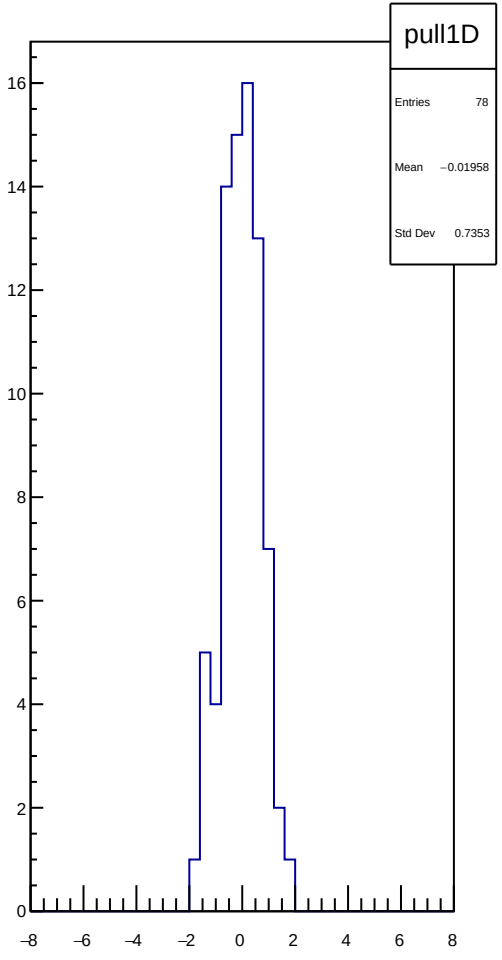

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 70.23 / 77
p0 −19.49 ± 0.03785
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 78
Mean 45.83
Std Dev 8.461
2
1
0
−1
−2
−3

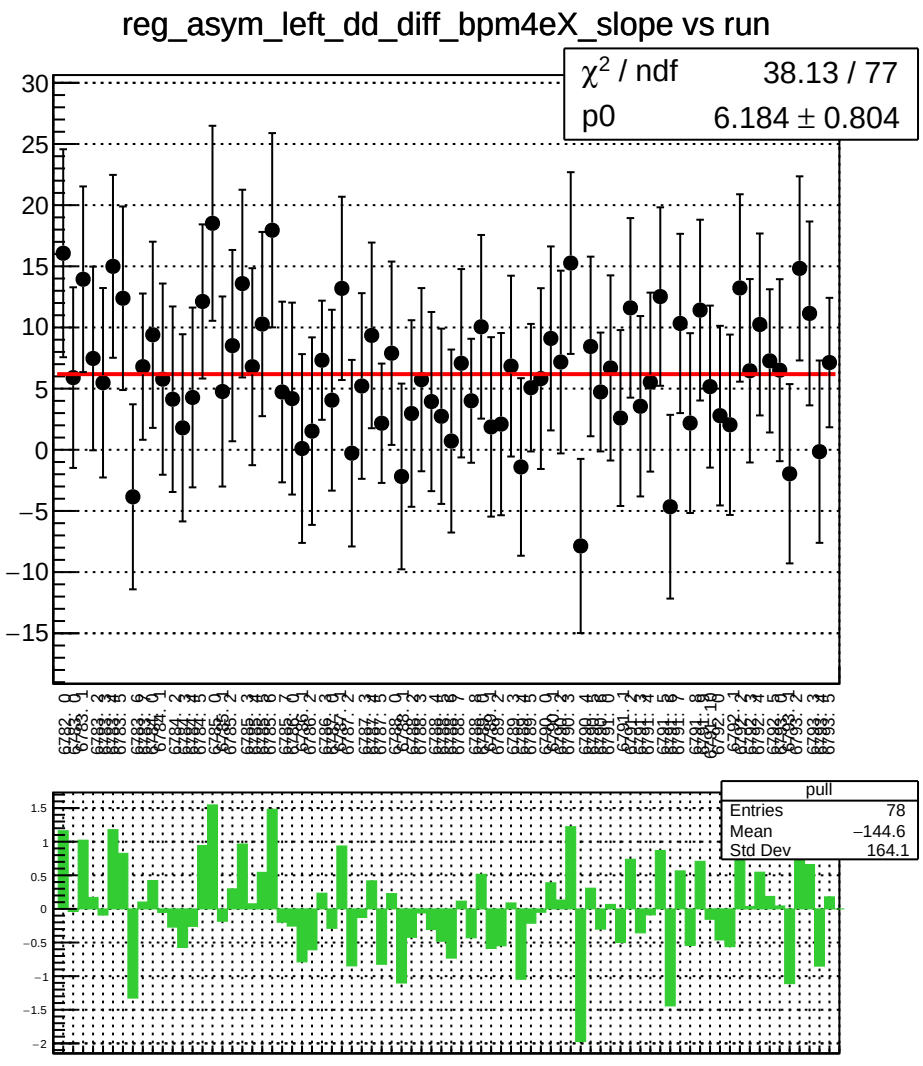

pull1D
Entries 78
Mean 0.02056
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

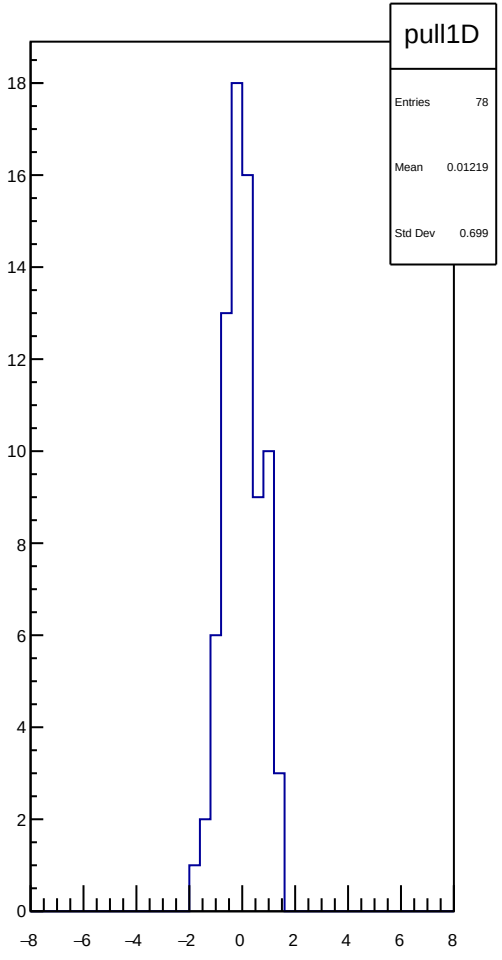

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 38.2 / 77
p0 −38.27 ± 0.8609
pull
Entries 78
Mean −150.4
Std Dev 174.2

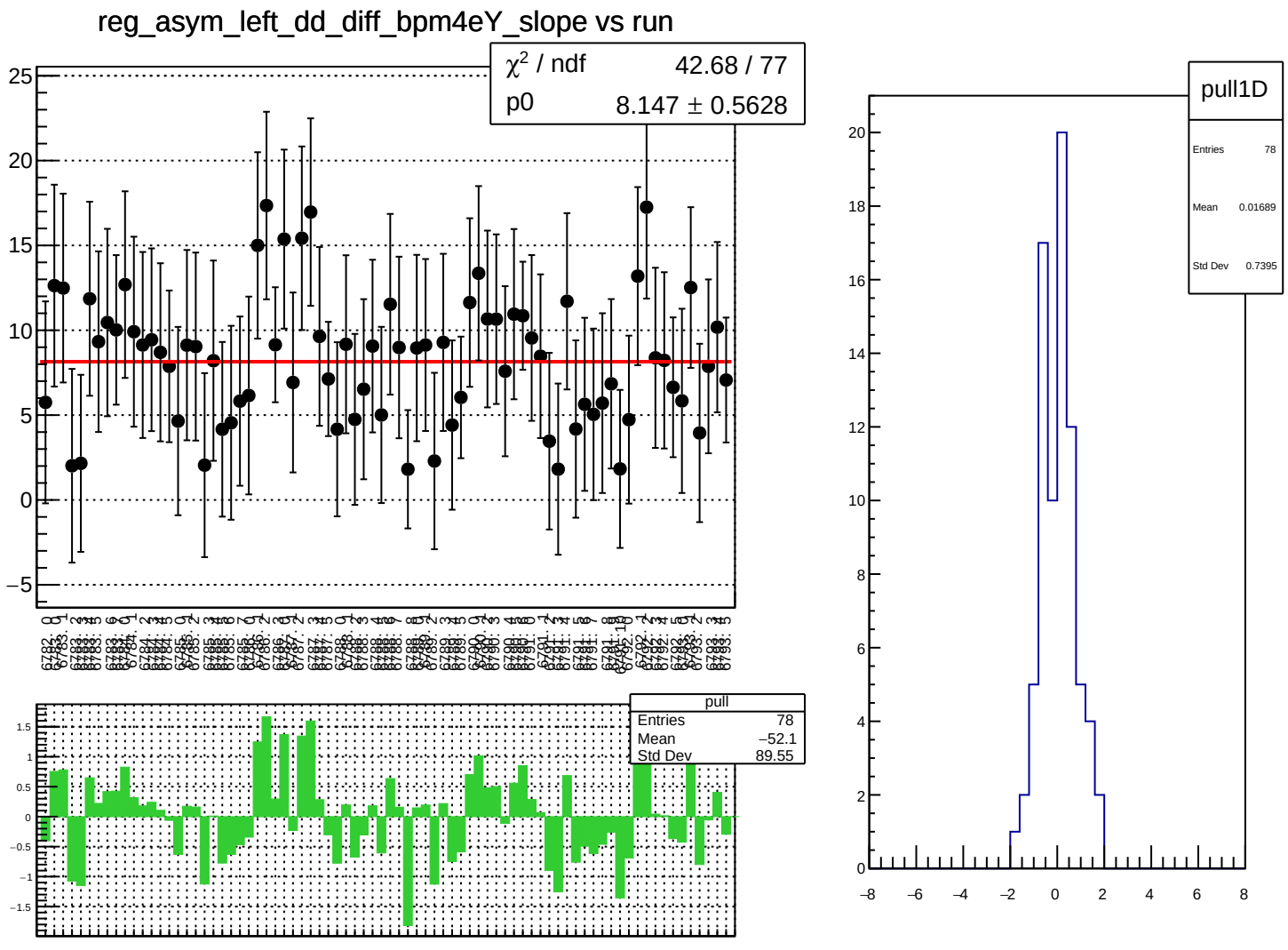

pull1D
Entries 78
Mean −0.01352
Std Dev 0.6997

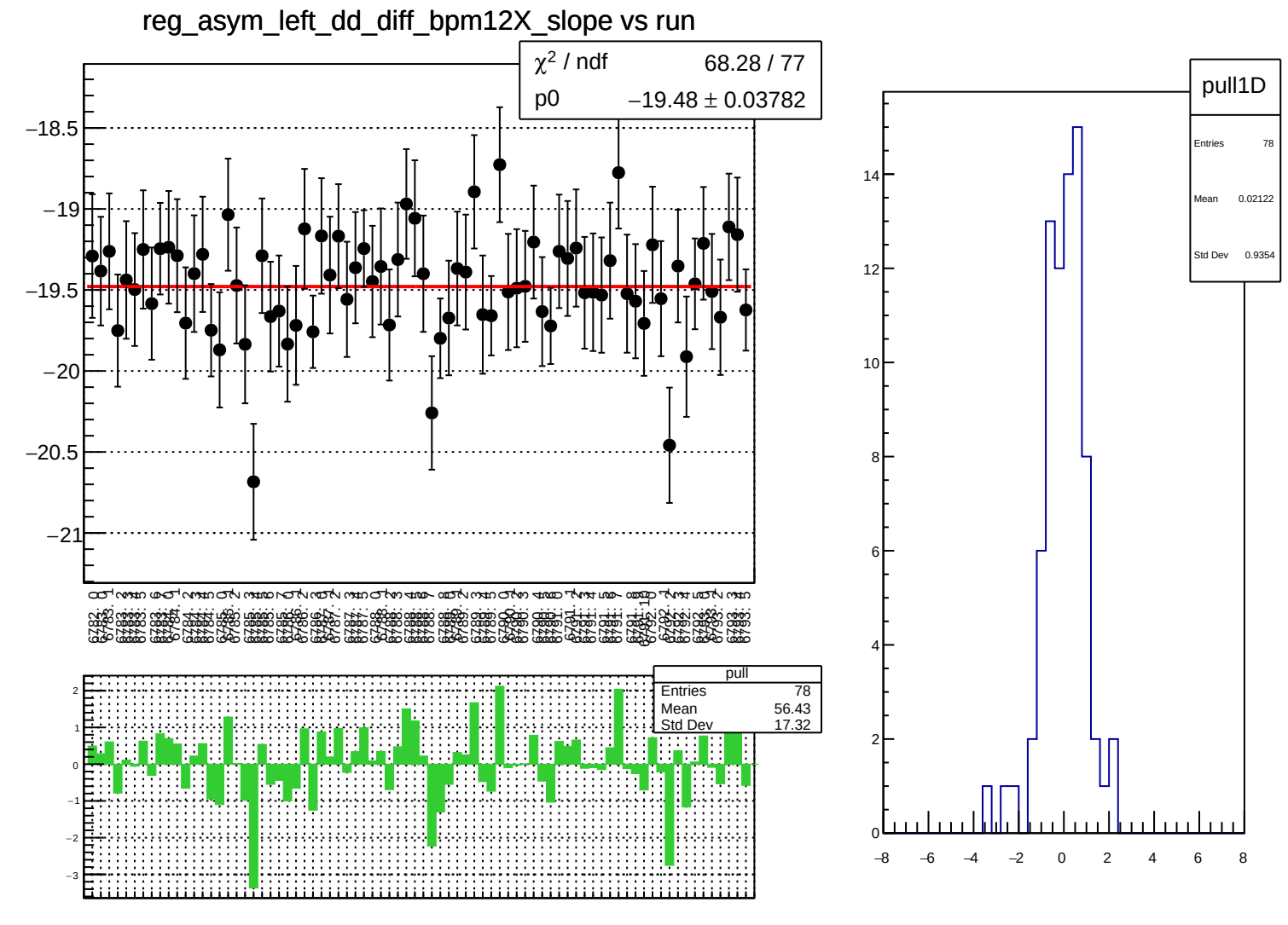

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.21 / 77
p0 1.404 ± 0.4084
pull
Entries 78
Mean −18.49
Std Dev 58.11

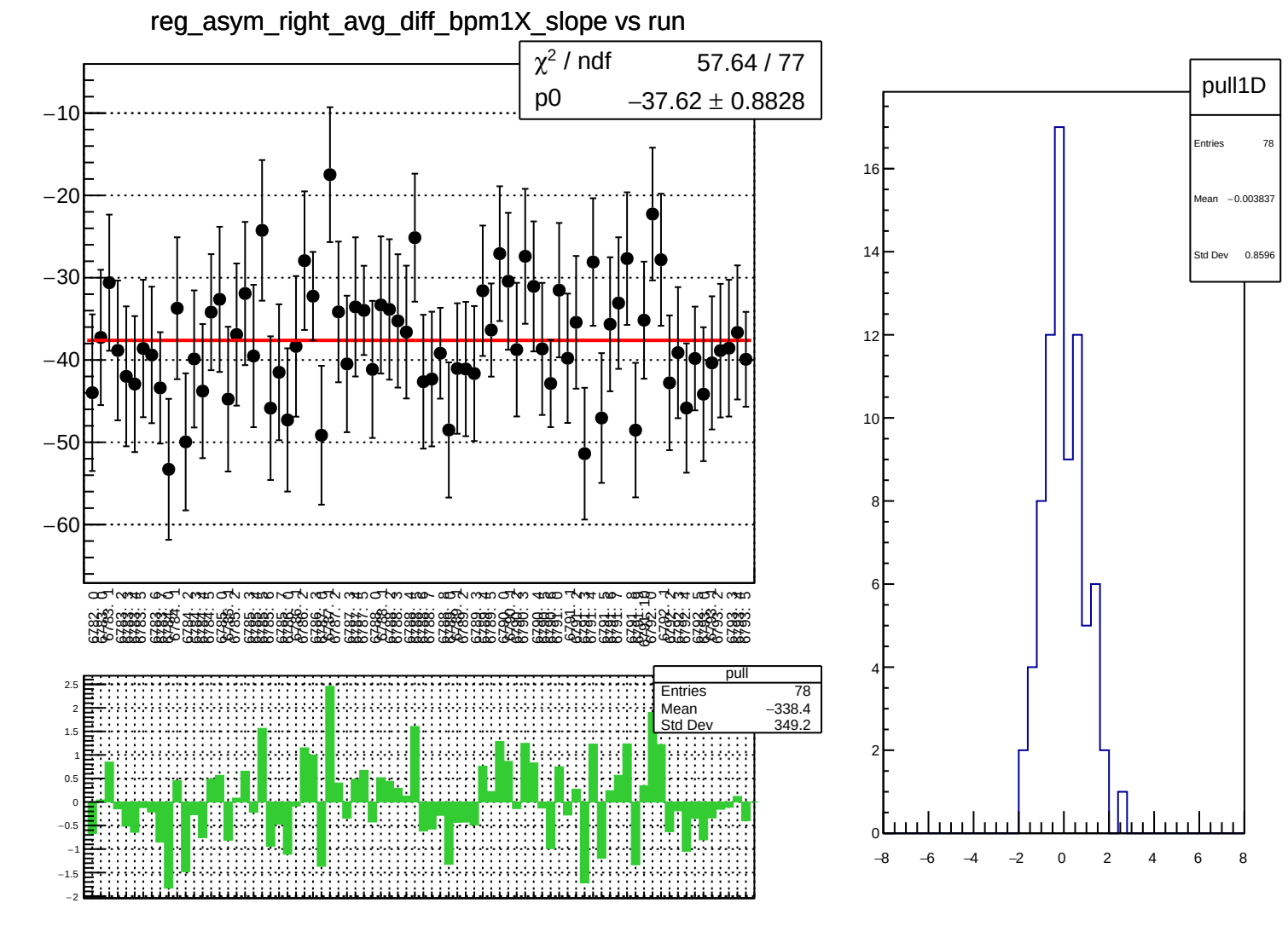

pull1D
Entries 78
Mean −0.01958
Std Dev 0.7353

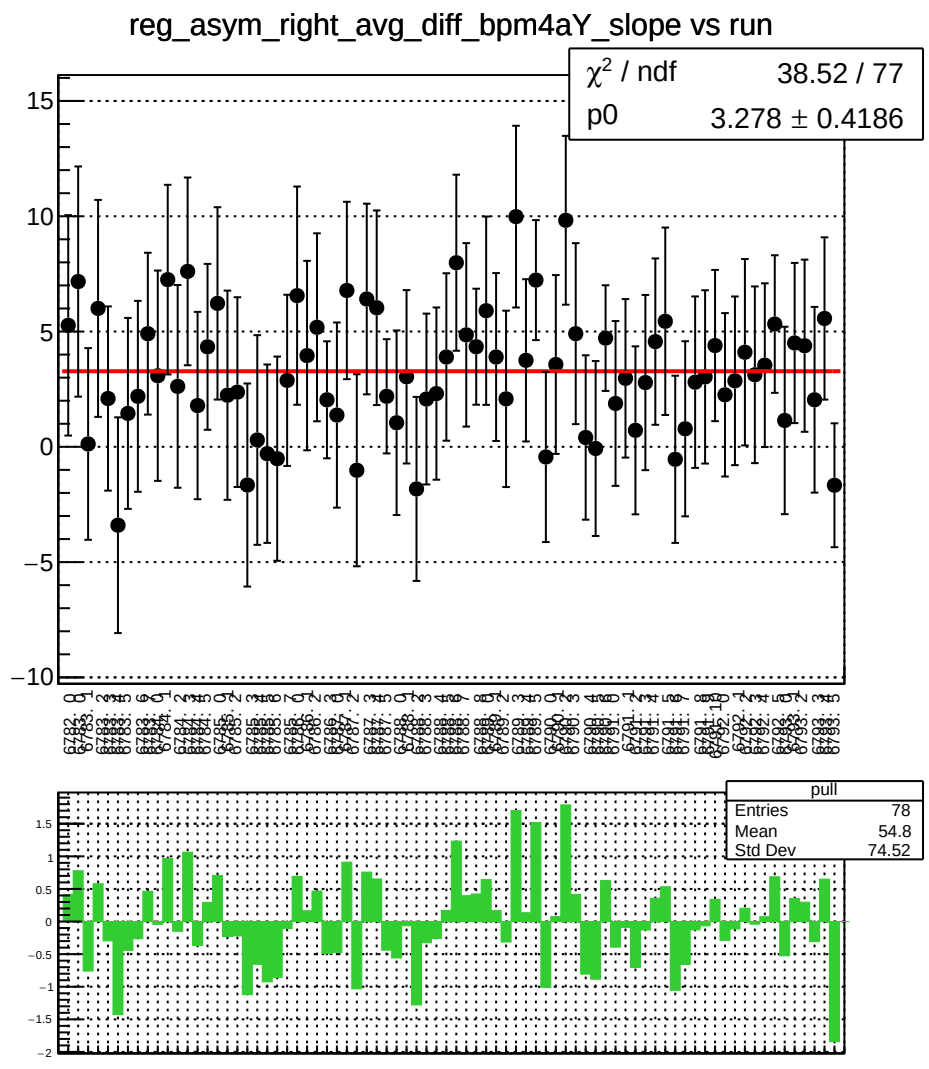

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 77
p0 6.184 ± 0.804
pull
Entries 78
Mean −144.6
Std Dev 164.1

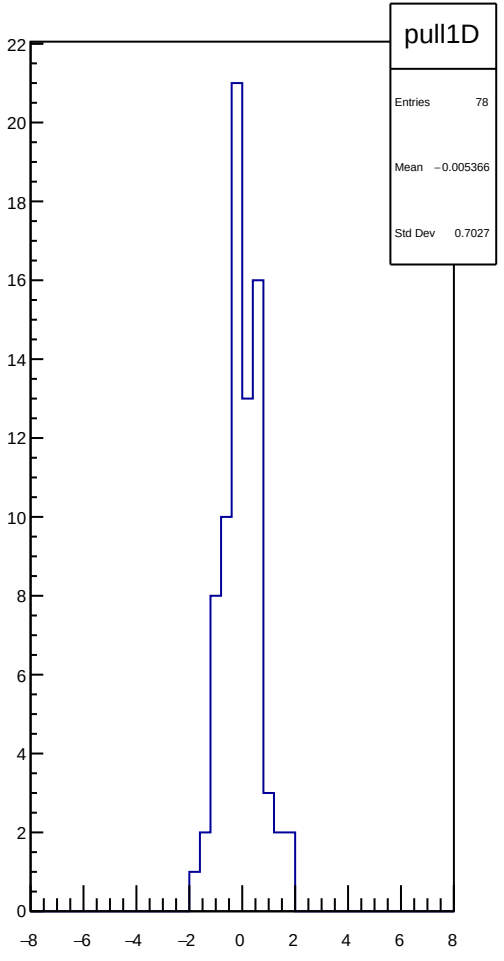

pull1D
Entries 78
Mean 0.01219
Std Dev 0.699

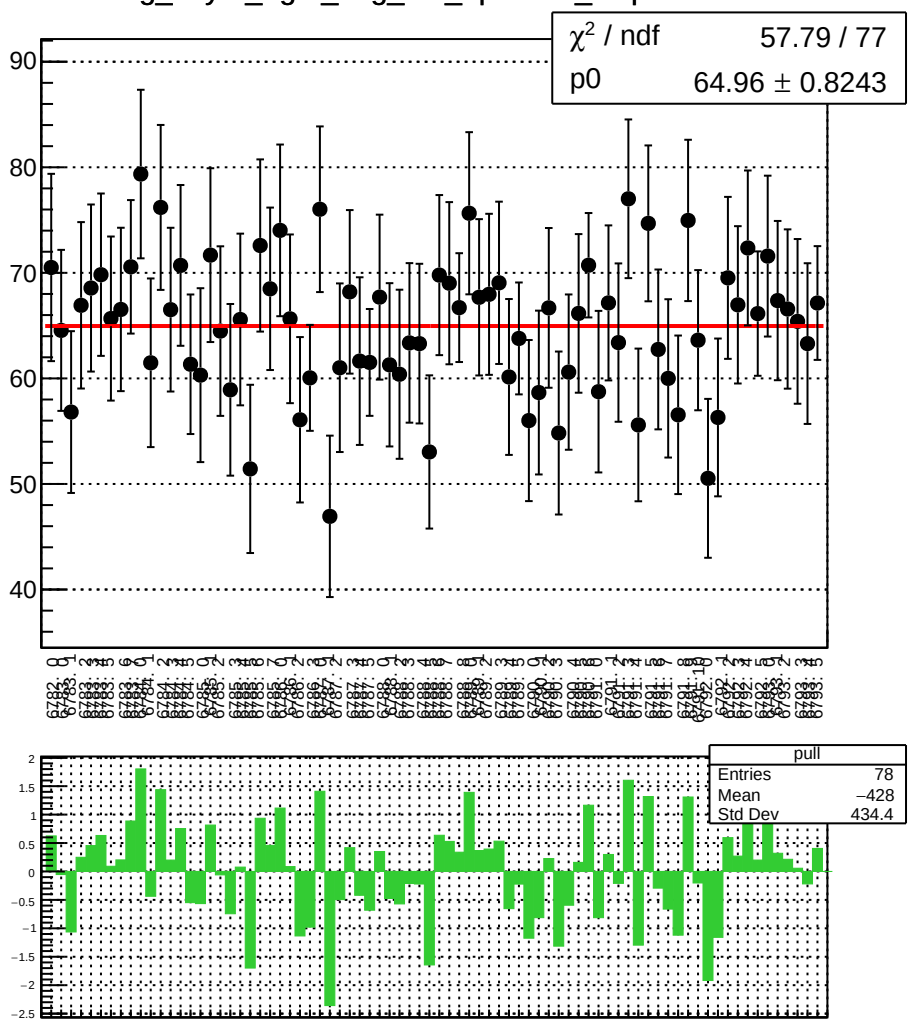

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.68 / 77
p0 8.147 ± 0.5628
pull
Entries 78
Mean −52.1
Std Dev 89.55
pull1D
Entries 78
Mean 0.01689
Std Dev 0.7395

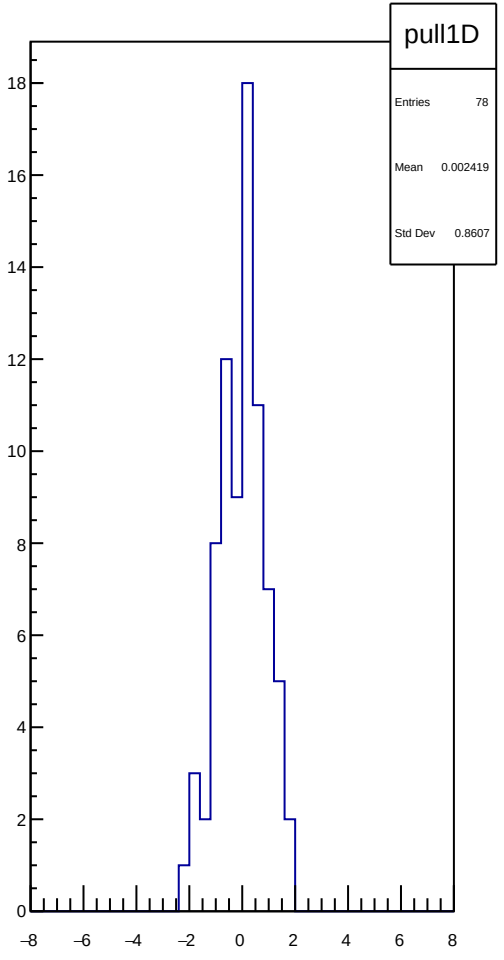

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 68.28 / 77
p0 −19.48 ± 0.03782
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 78
Mean 56.43
Std Dev 17.32
pull1D
Entries 78
Mean 0.02122
Std Dev 0.9354

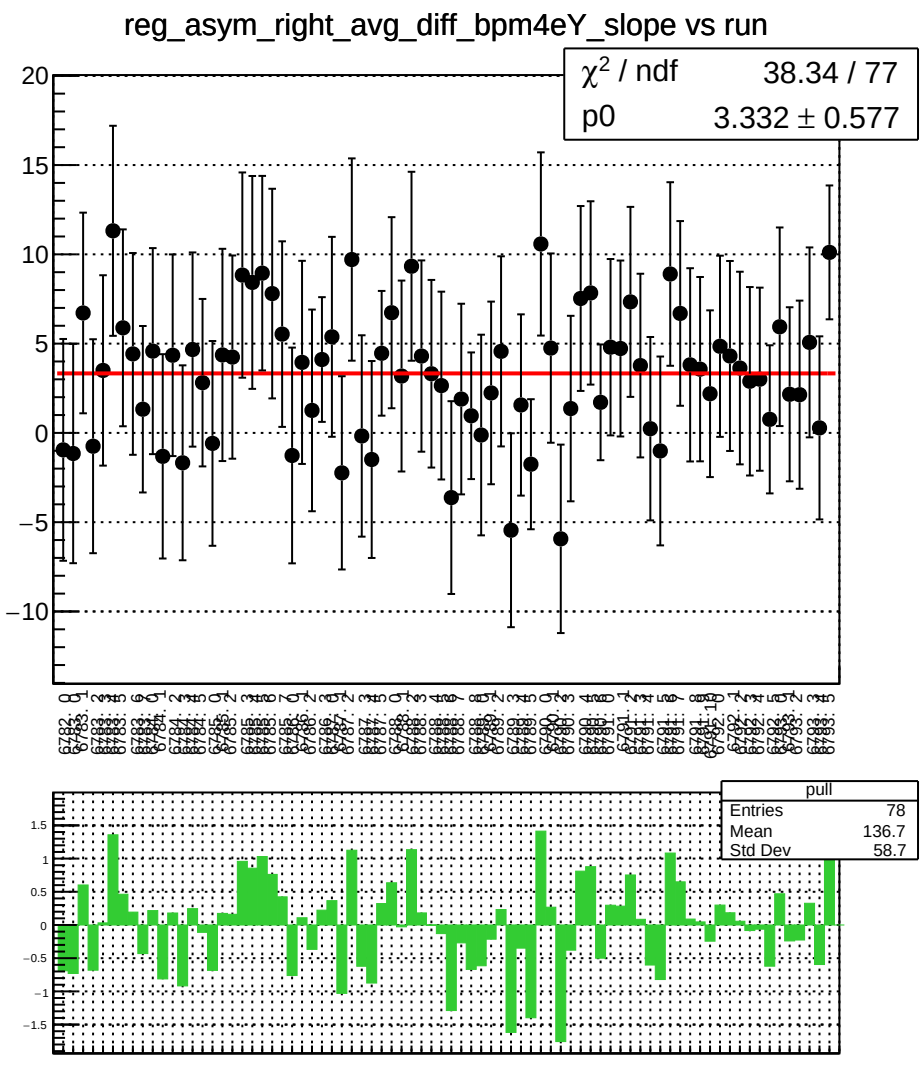

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 57.64 / 77
p0 −37.62 ± 0.8828
pull
Entries 78
Mean −338.4
Std Dev 349.2
pull1D
Entries 78
Mean −0.003837
Std Dev 0.8596

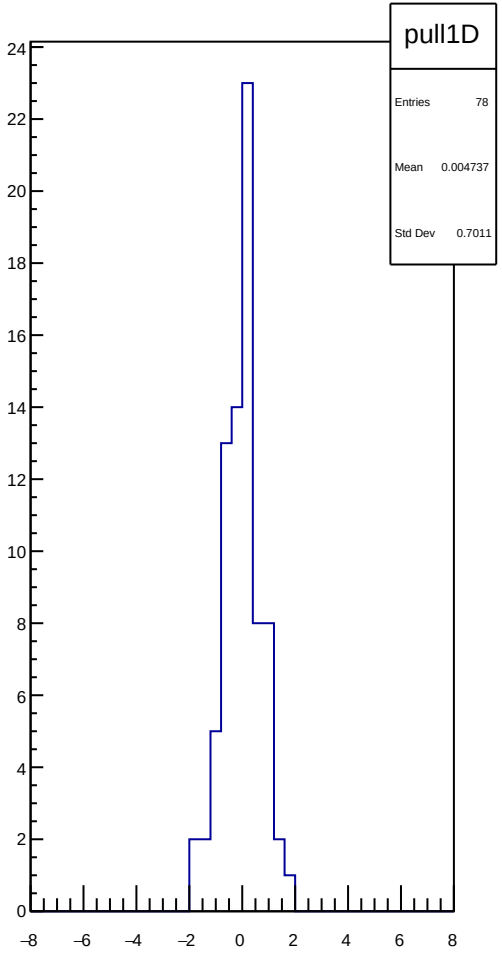

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.52 / 77
p0 3.278 ± 0.4186
pull
Entries 78
Mean 54.8
Std Dev 74.52

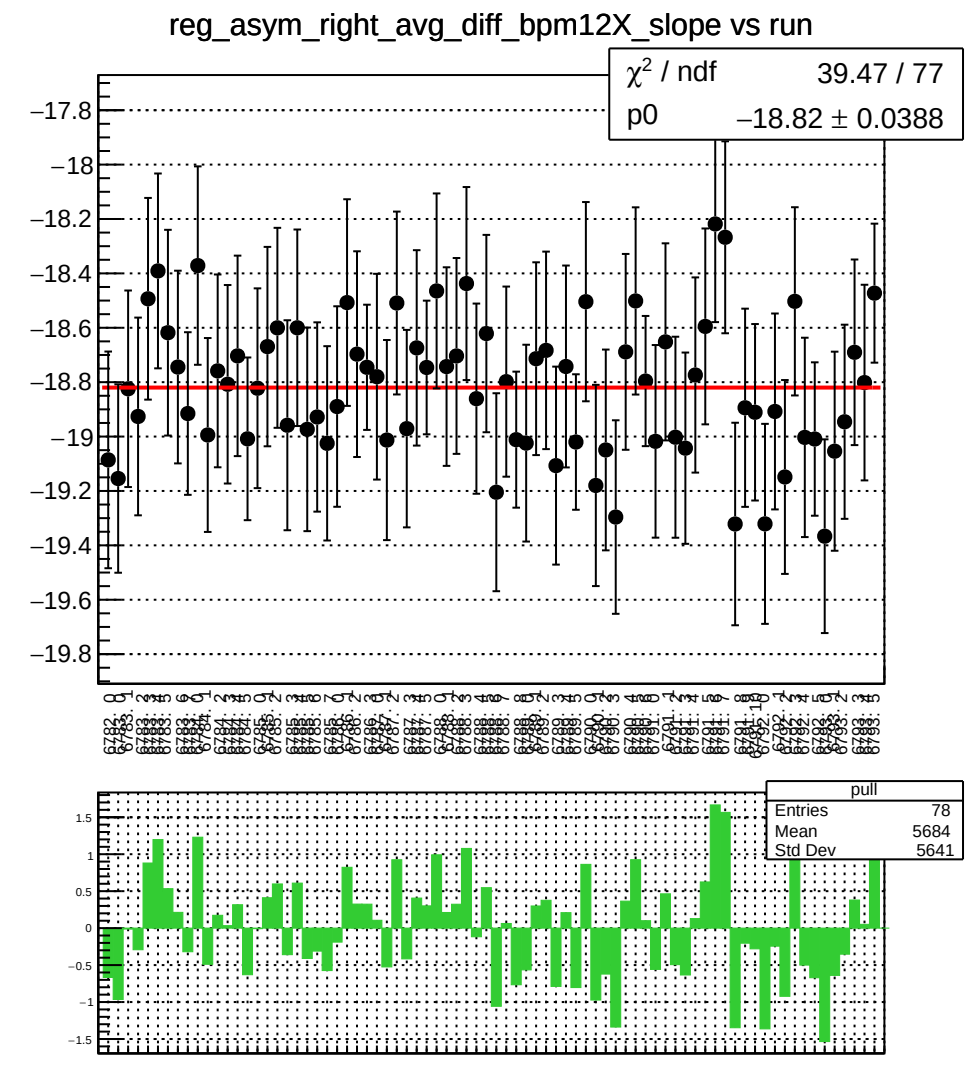

pull1D
Entries 78
Mean −0.005366
Std Dev 0.7027

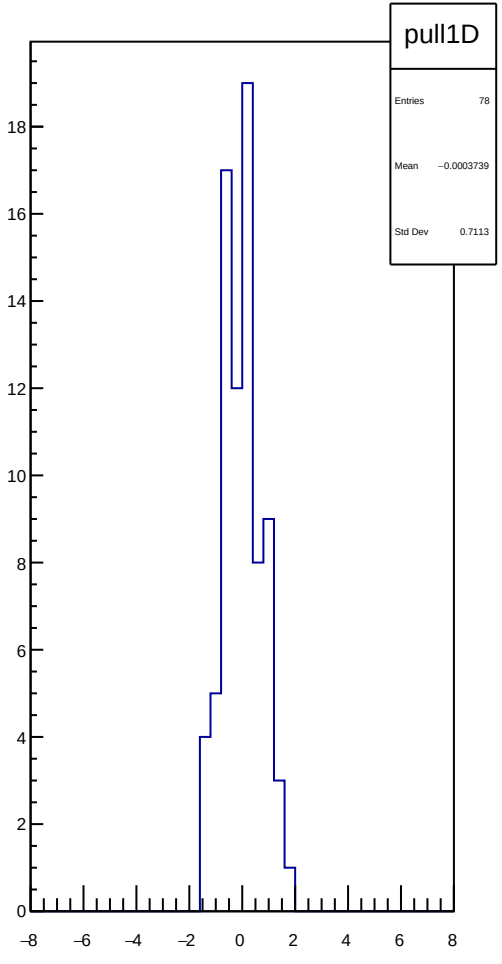

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.79 / 77
p0 64.96 ± 0.8243
pull
Entries 78
Mean −428
Std Dev 434.4

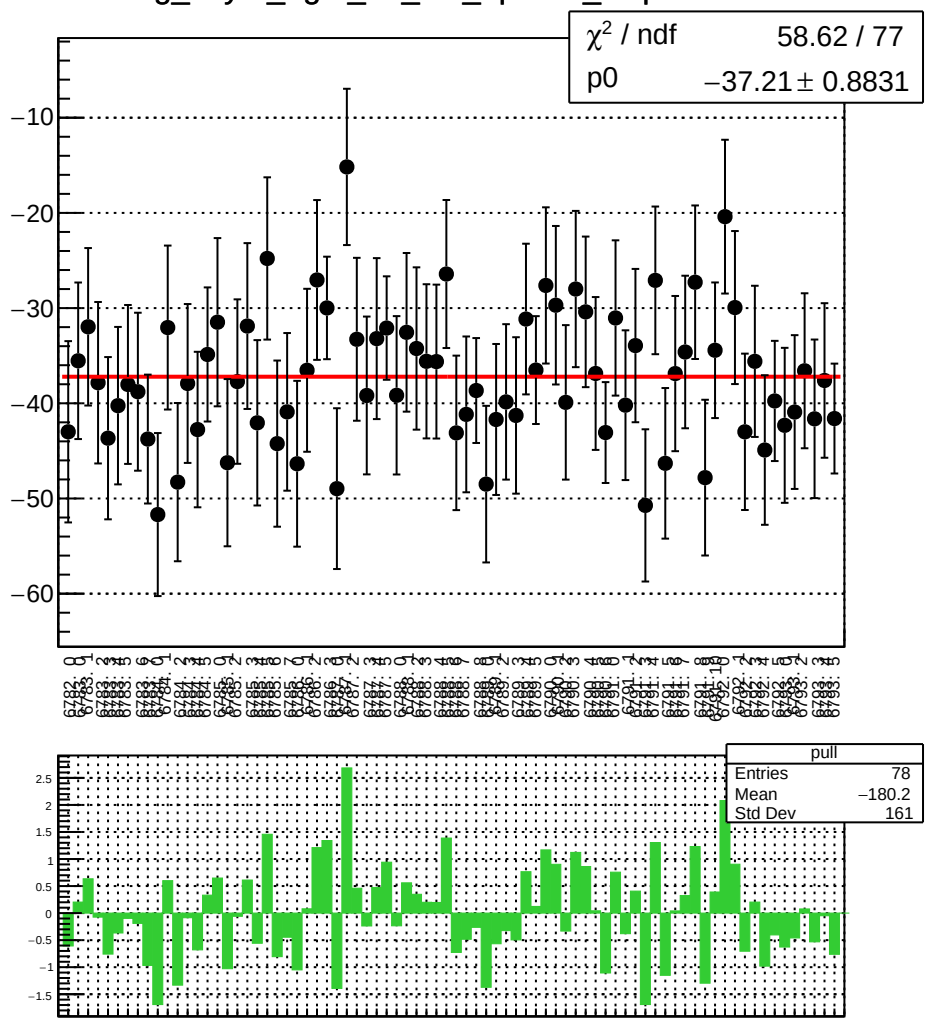

pull1D
Entries 78
Mean 0.002419
Std Dev 0.8607

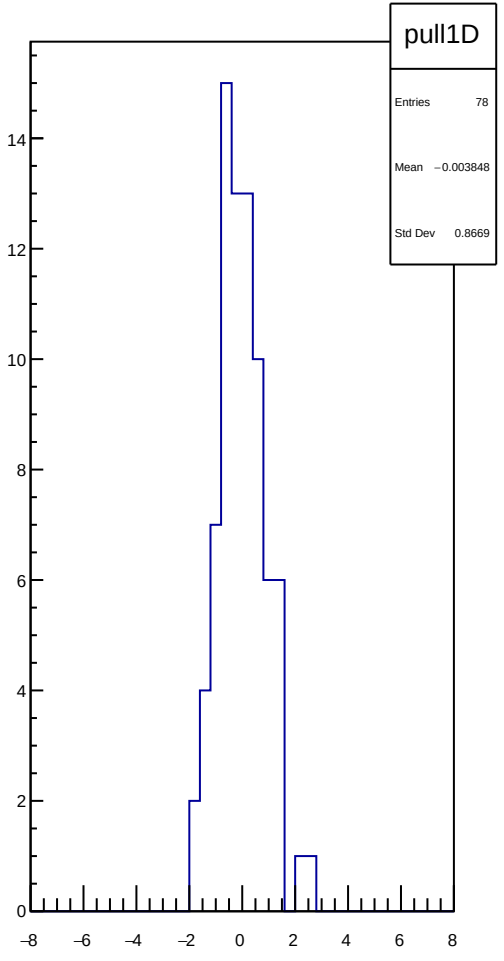

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.34 / 77
p0 3.332 ± 0.577
pull
Entries 78
Mean 136.7
Std Dev 58.7

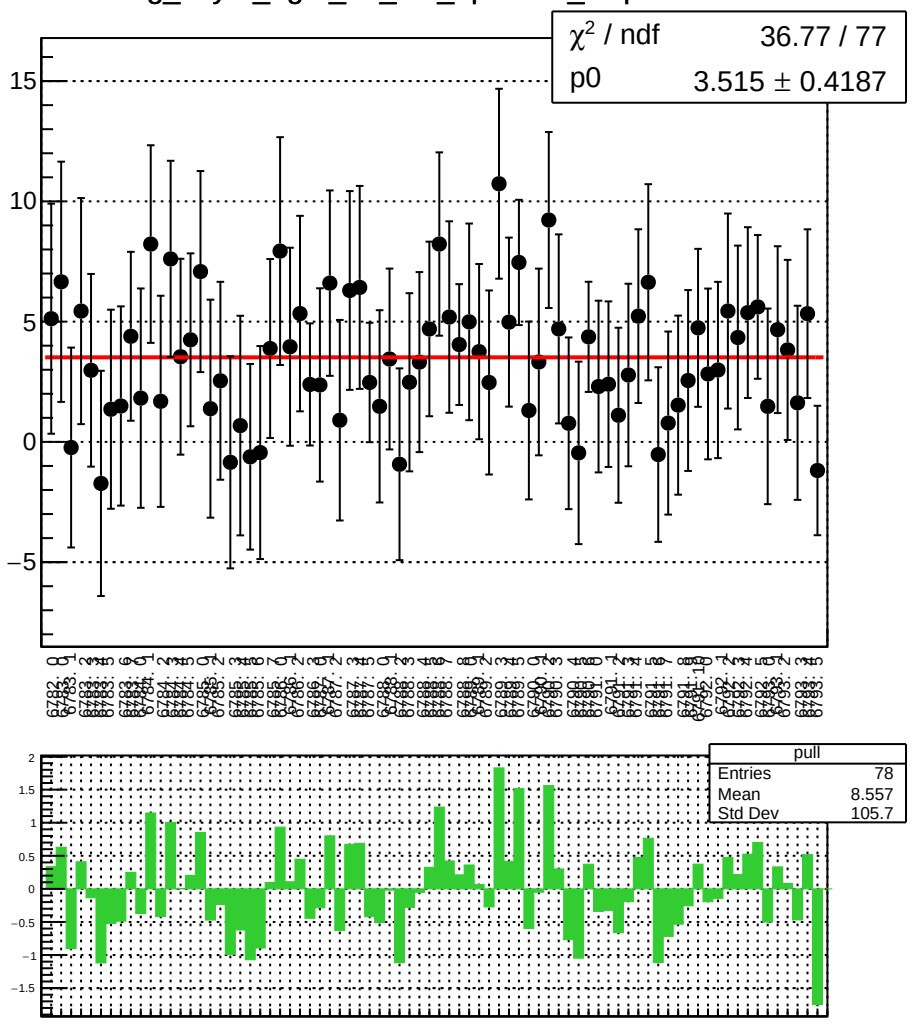

pull1D
Entries 78
Mean 0.004737
Std Dev 0.7011

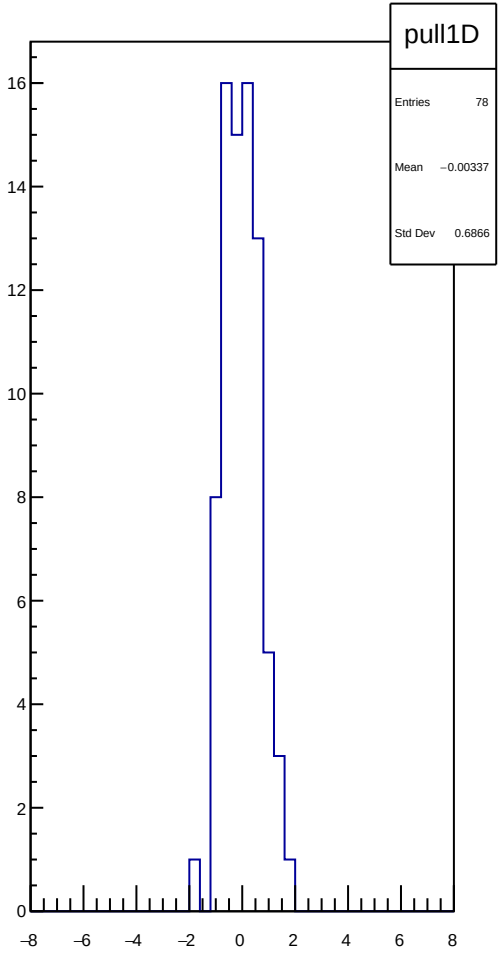

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 39.47 / 77
p0 −18.82 ± 0.0388
pull
Entries 78
Mean 5684
Std Dev 5641

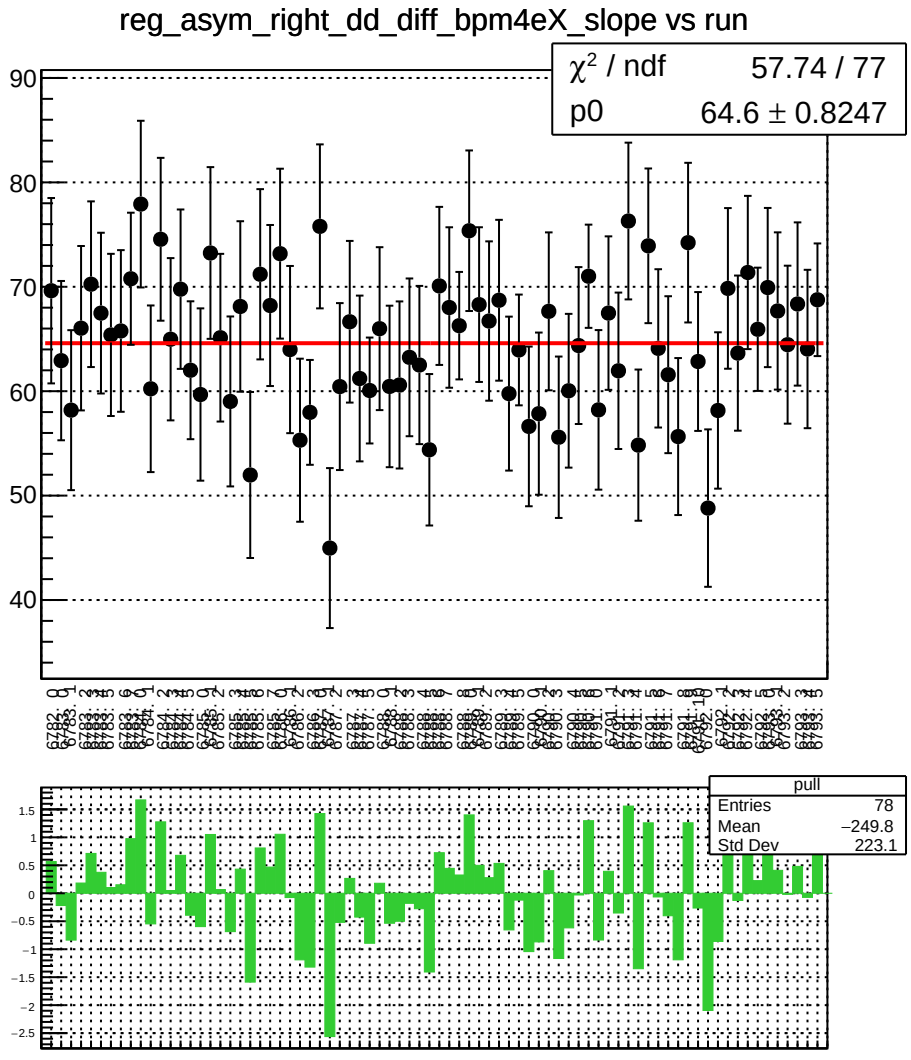

pull1D
Entries 78
Mean −0.0003739
Std Dev 0.7113

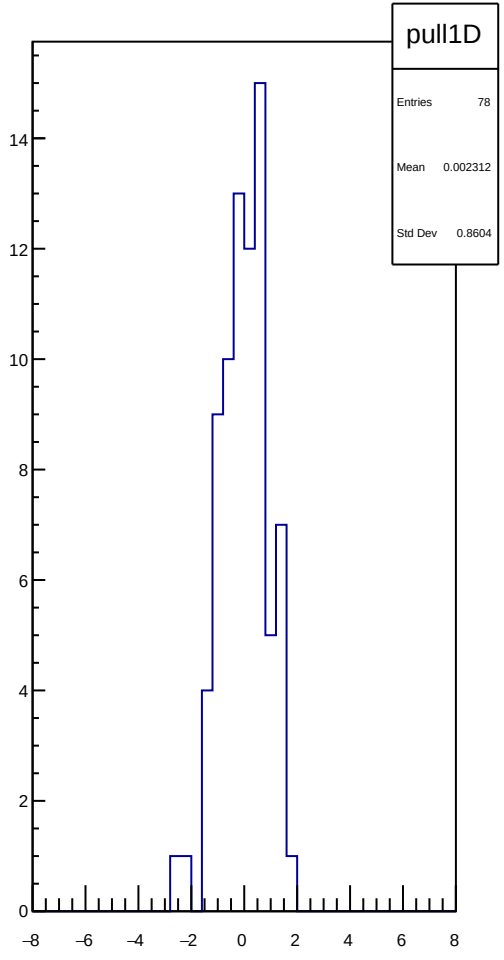

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 58.62 / 77
p0 −37.21 ± 0.8831
pull
Entries 78
Mean −180.2
Std Dev 161

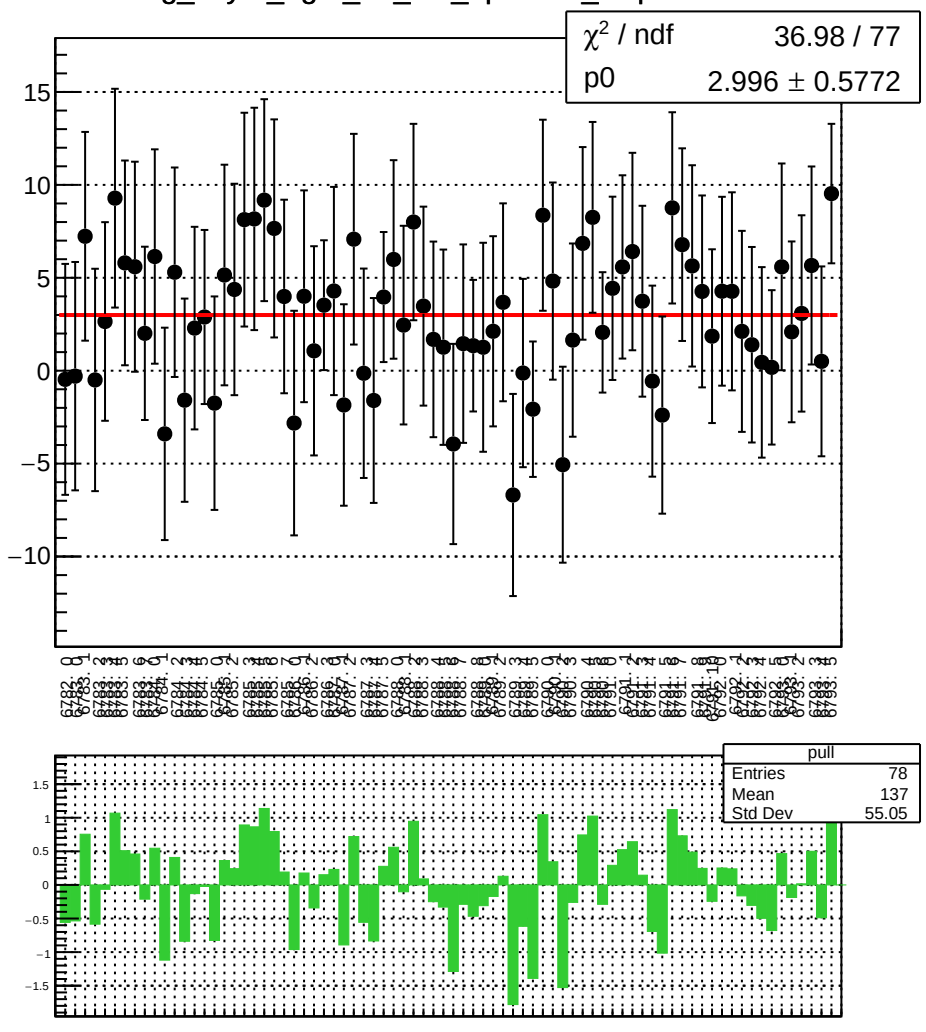

pull1D
Entries 78
Mean −0.003848
Std Dev 0.8669

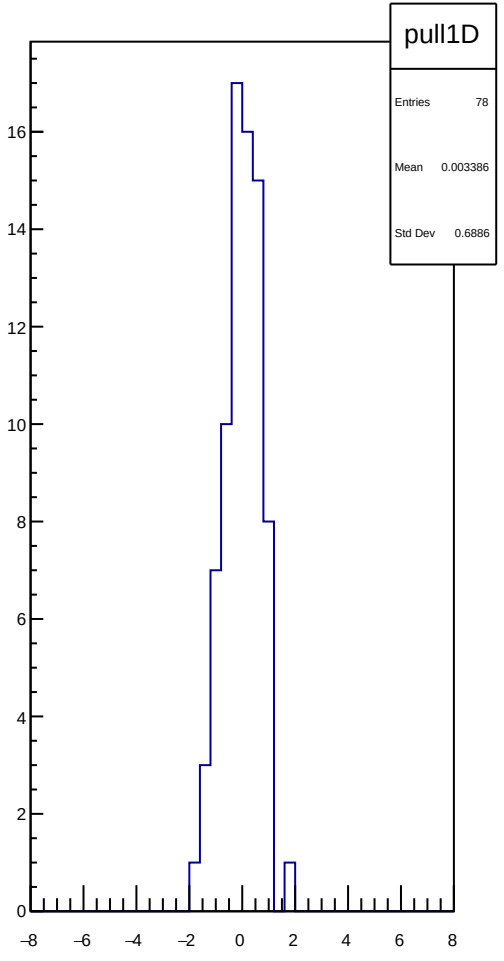

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.77 / 77
p0 3.515 ± 0.4187
pull
Entries 78
Mean 8.557
Std Dev 105.7

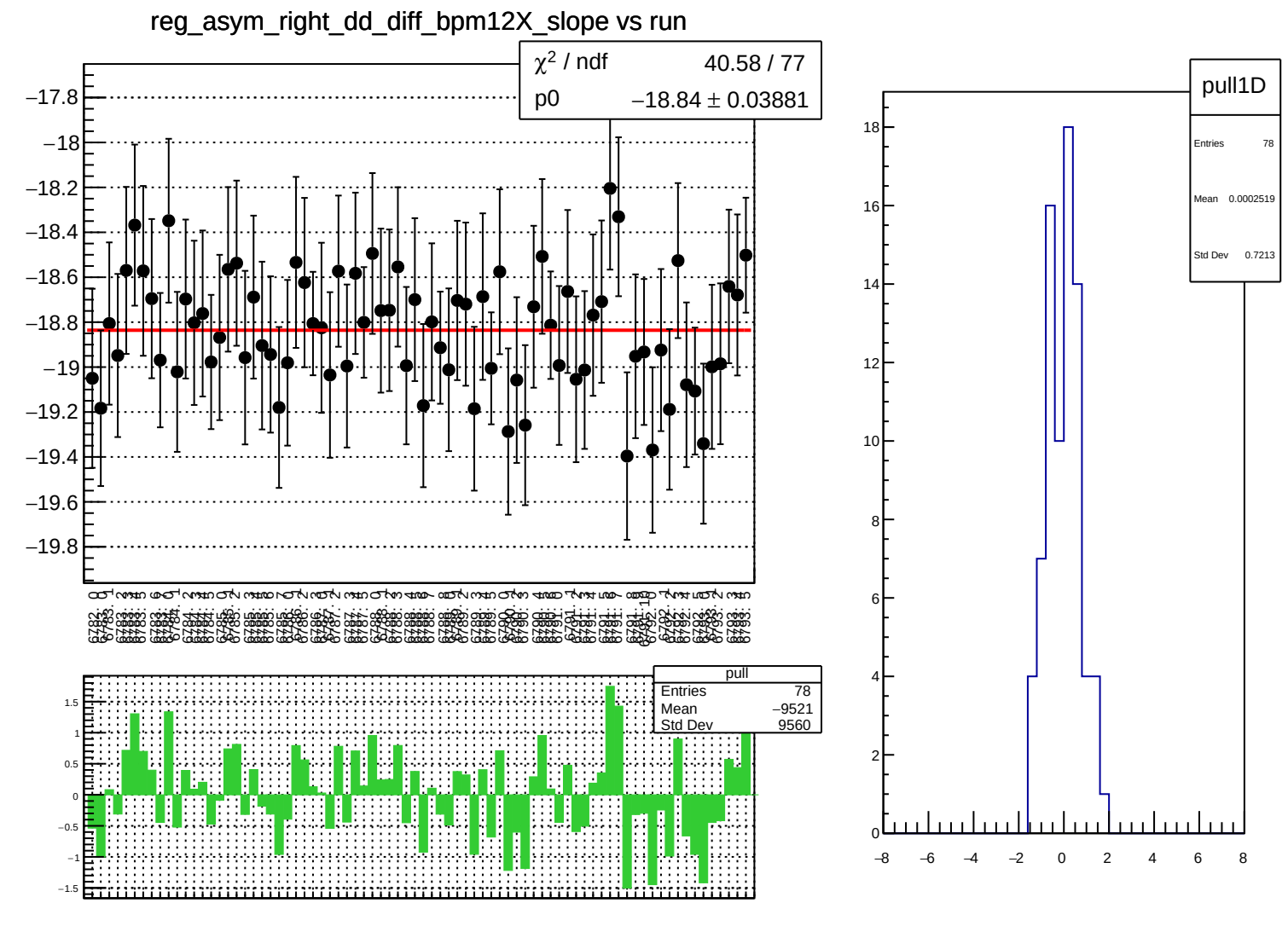

pull1D
Entries 78
Mean −0.00337
Std Dev 0.6866

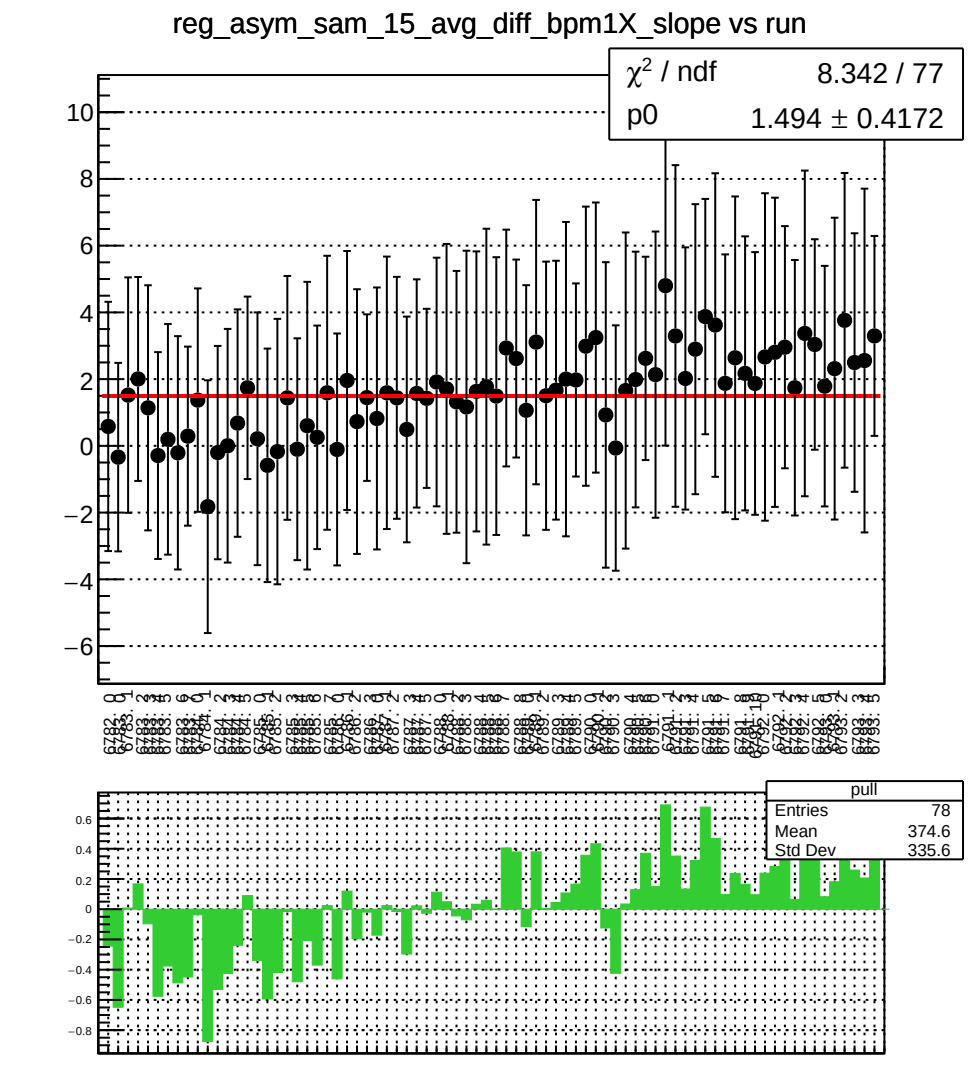

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.74 / 77
p0 64.6 ± 0.8247
pull
Entries 78
Mean −249.8
Std Dev 223.1

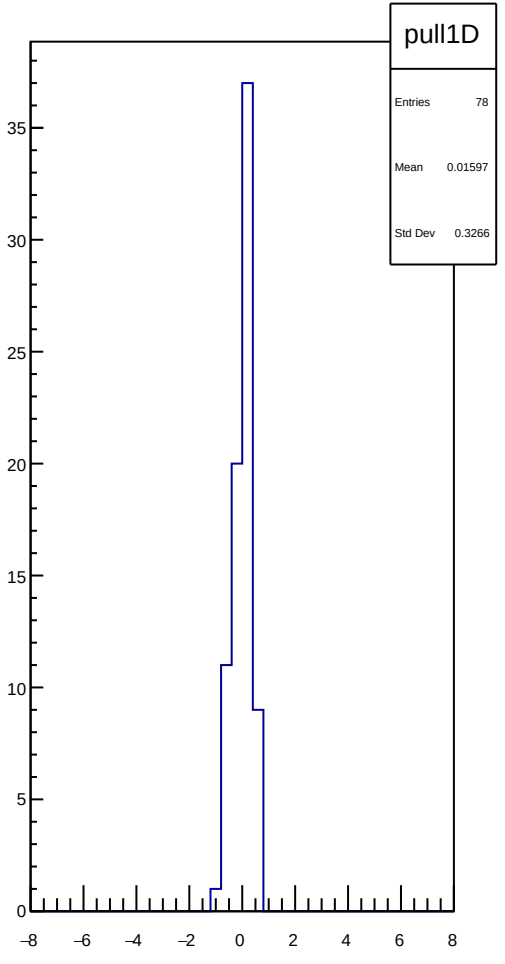

pull1D
Entries 78
Mean 0.002312
Std Dev 0.8604

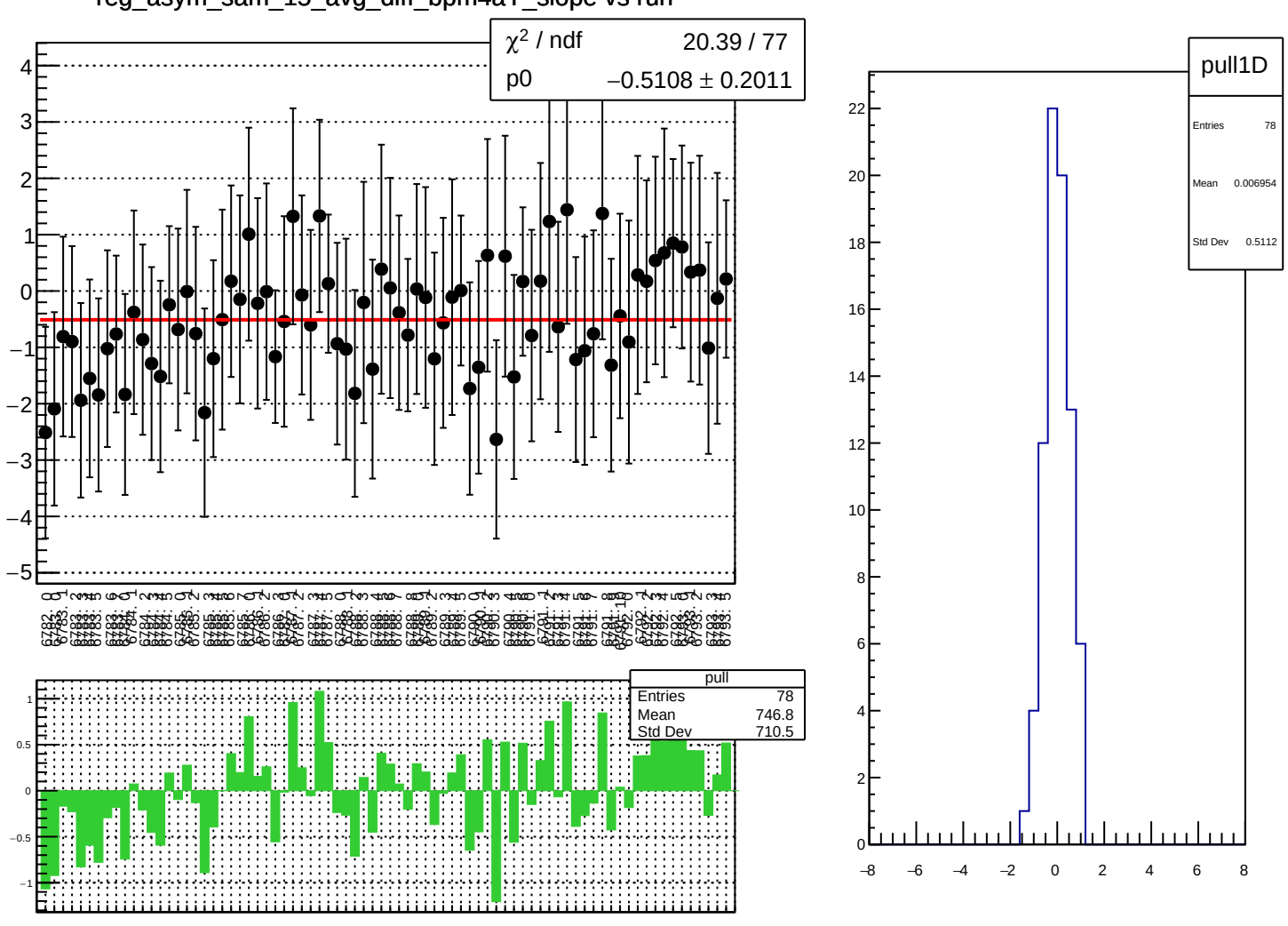

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.98 / 77
p0 2.996 ± 0.5772
pull
Entries 78
Mean 137
Std Dev 55.05

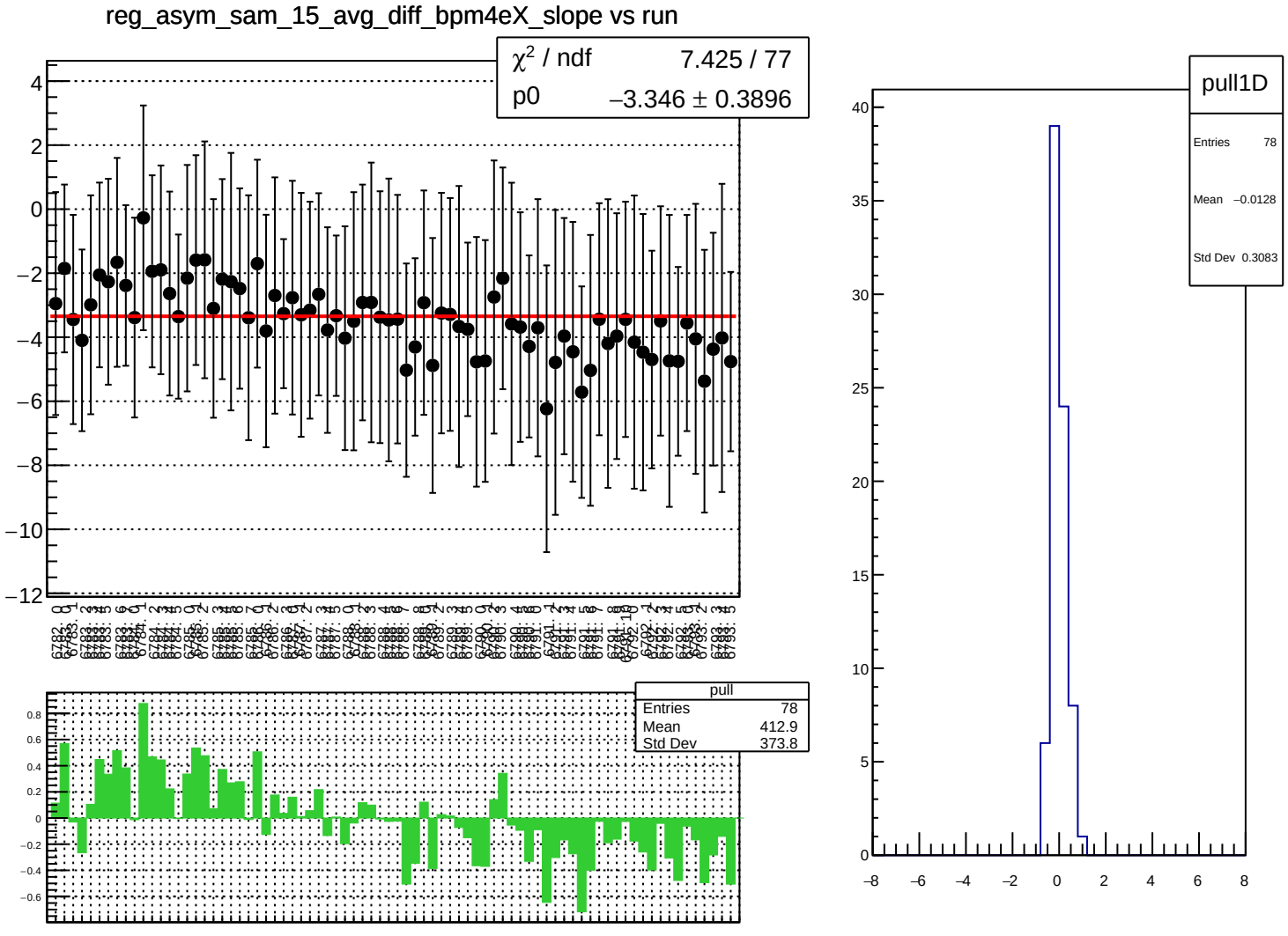

pull1D
Entries 78
Mean 0.003386
Std Dev 0.6886

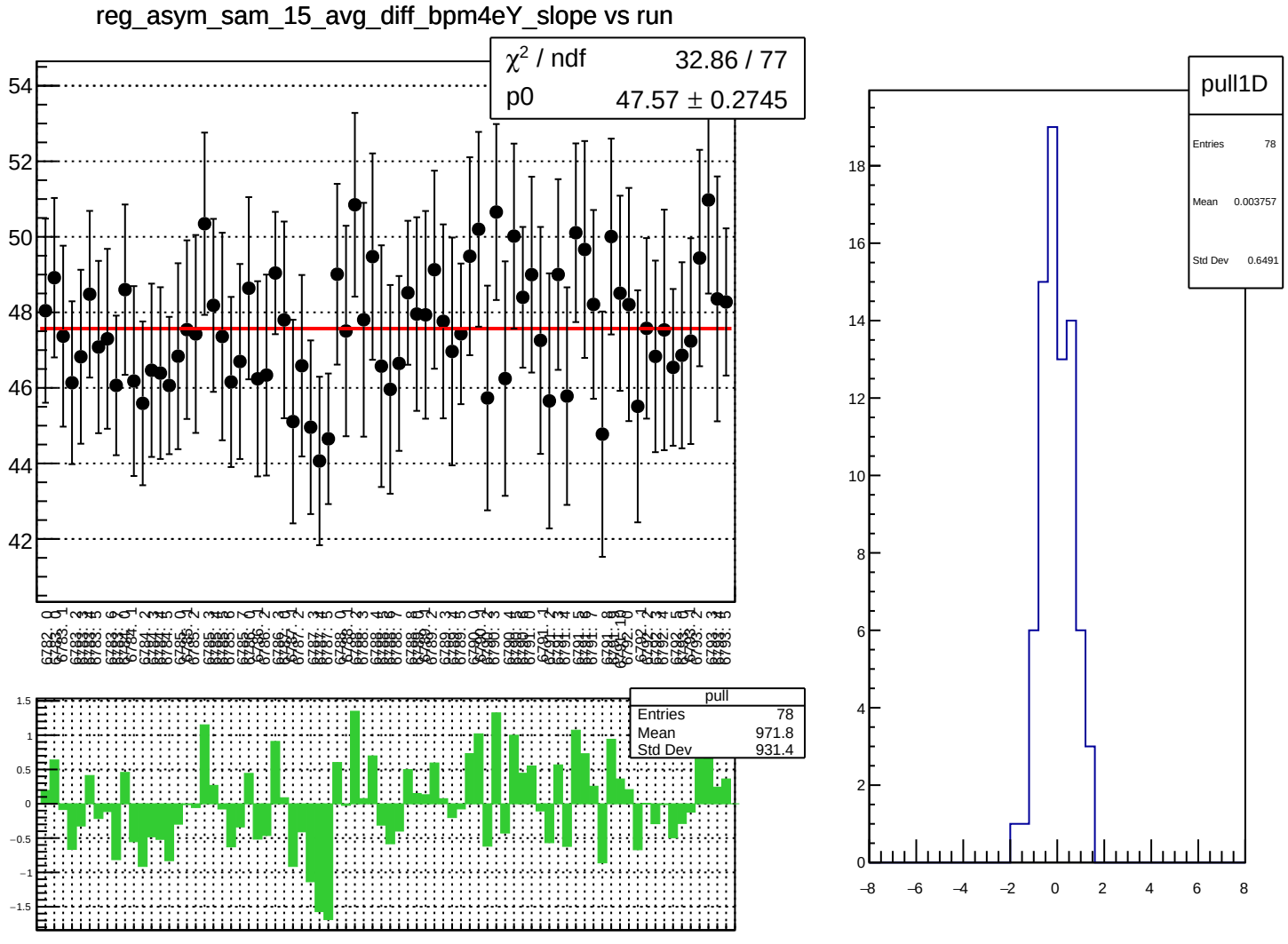

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 40.58 / 77
p0 −18.84 ± 0.03881
pull
Entries 78
Mean −9521
Std Dev 9560
pull1D
Entries 78
Mean 0.0002519
Std Dev 0.7213

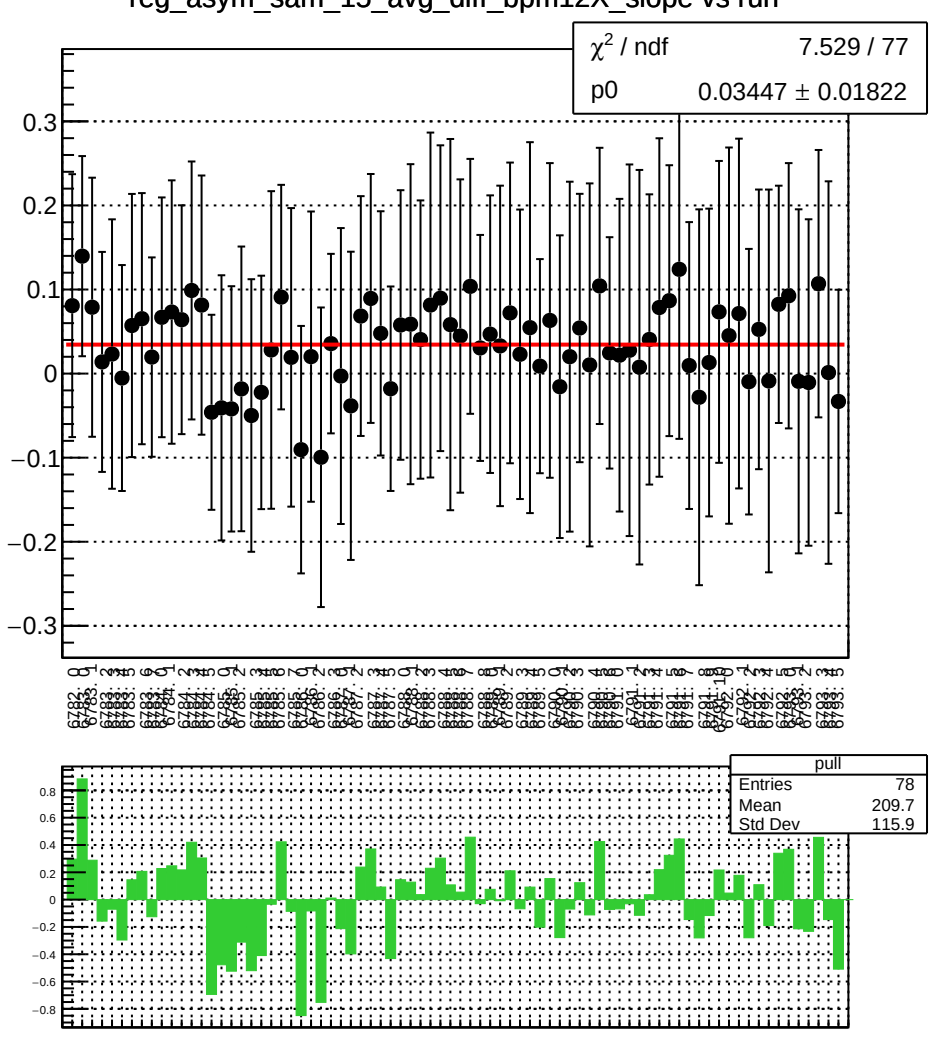

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 8.342 / 77
p0 1.494 ± 0.4172
pull
Entries 78
Mean 374.6
Std Dev 335.6

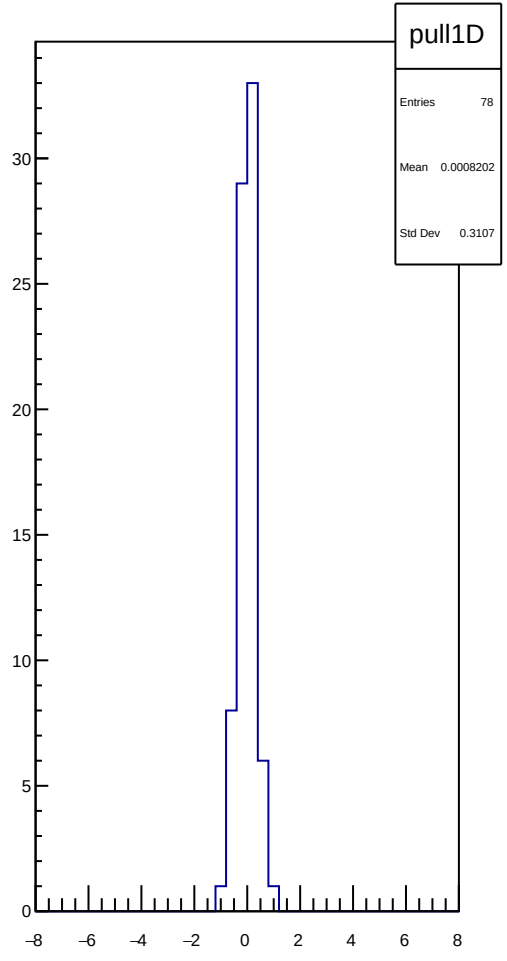

pull1D
Entries 78
Mean 0.01597
Std Dev 0.3266

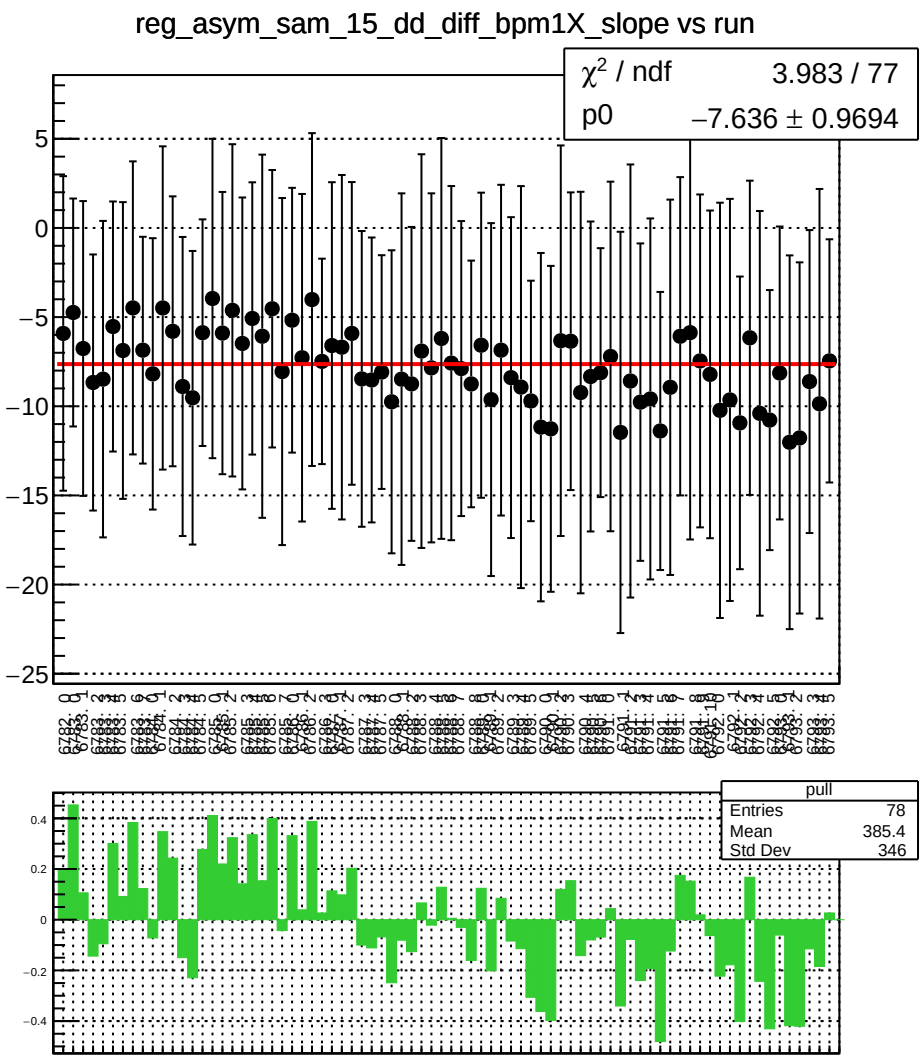

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.39 / 77
p0 −0.5108 ± 0.2011
pull
Entries 78
Mean 746.8
Std Dev 710.5
pull1D
Entries 78
Mean 0.006954
Std Dev 0.5112

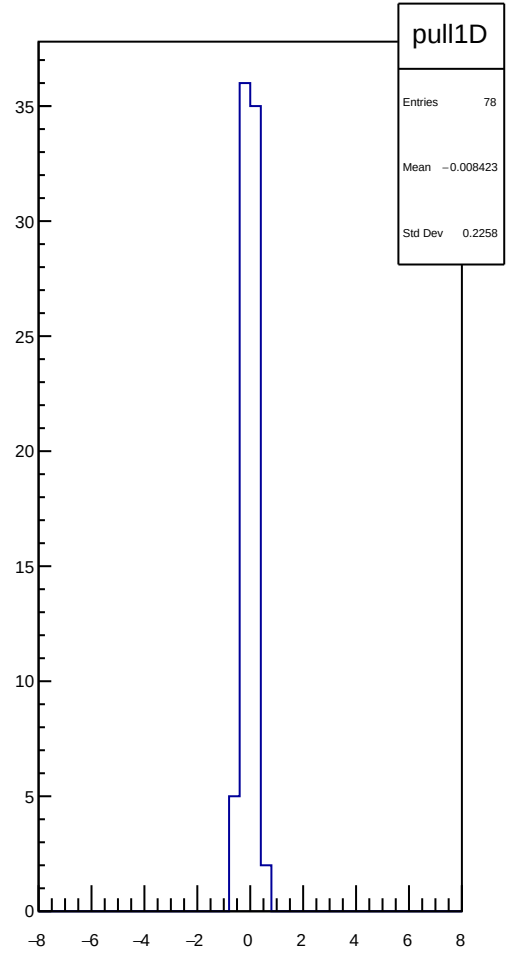

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.425 / 77
p0 −3.346 ± 0.3896
pull
Entries 78
Mean 412.9
Std Dev 373.8
pull1D
Entries 78
Mean −0.0128
Std Dev 0.3083

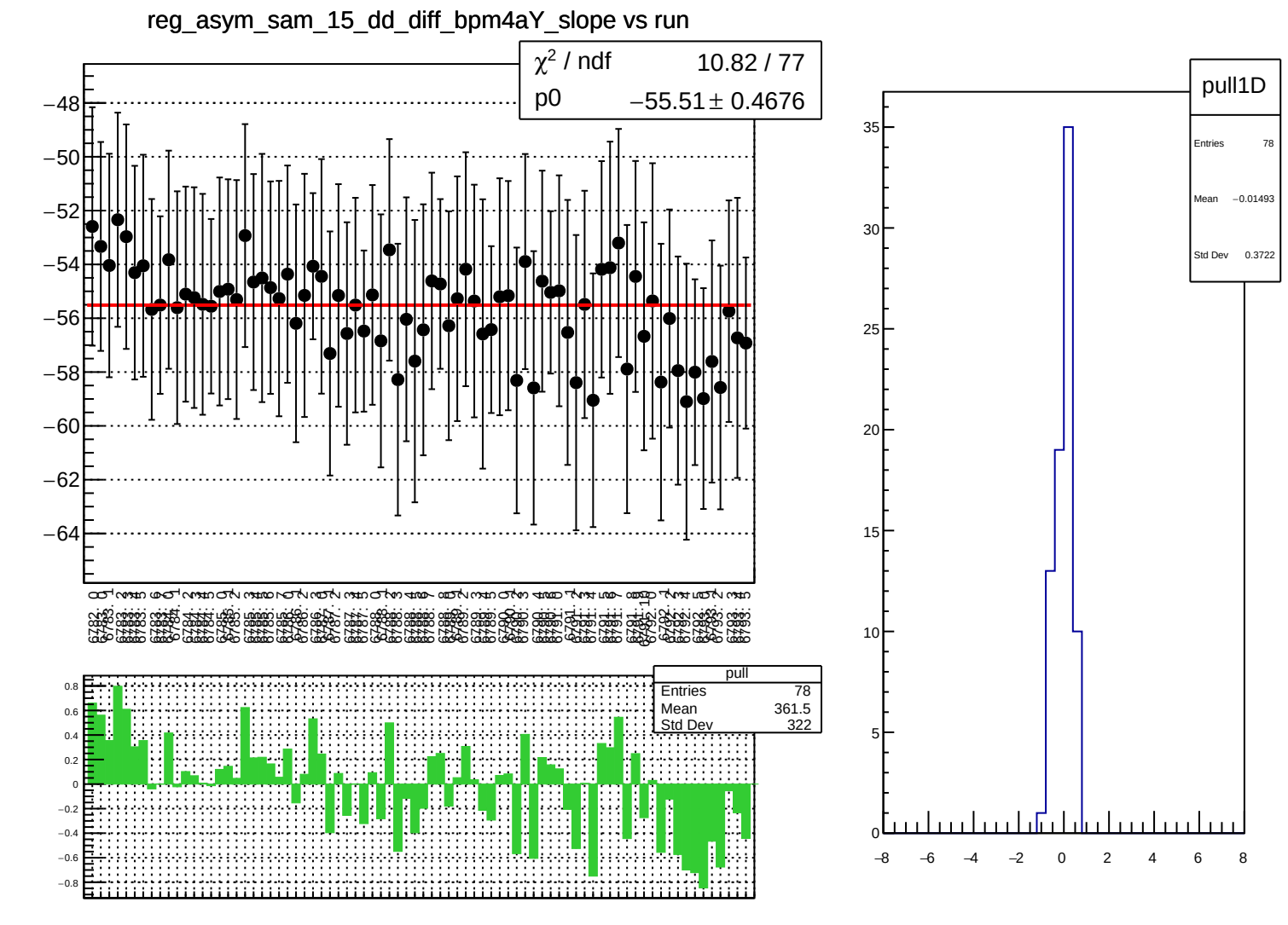

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.86 / 77
p0 47.57 ± 0.2745
pull
Entries 78
Mean 971.8
Std Dev 931.4
pull1D
Entries 78
Mean 0.003757
Std Dev 0.6491

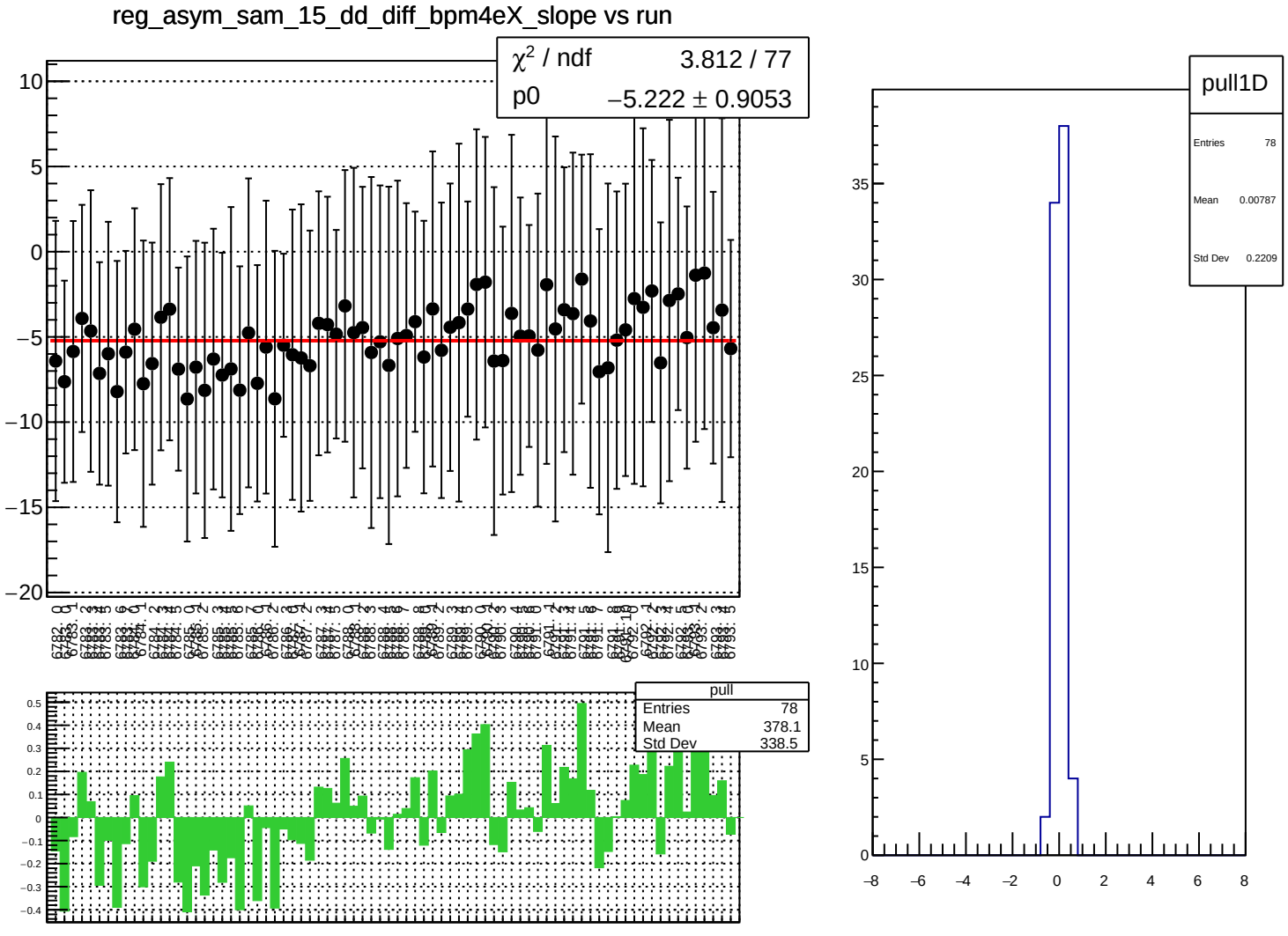

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 7.529 / 77
p0 0.03447 ± 0.01822
pull
Entries 78
Mean 209.7
Std Dev 115.9

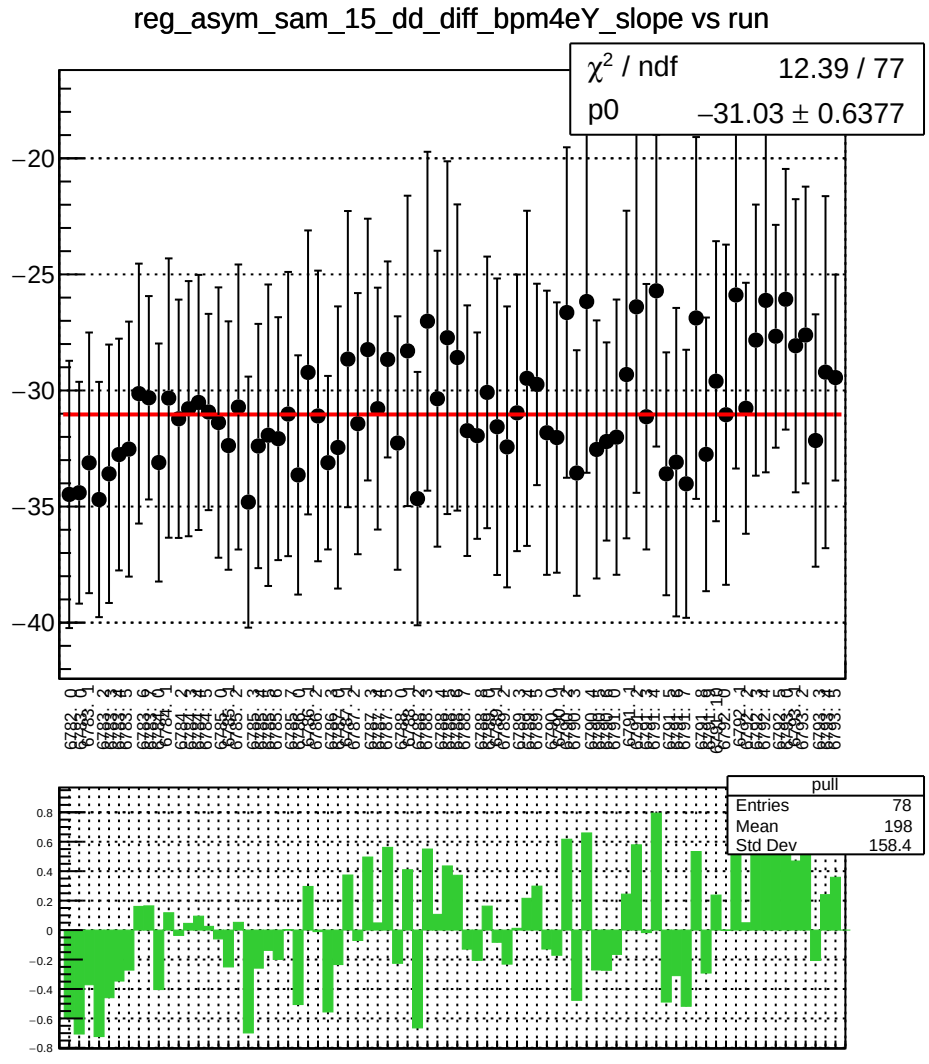

pull1D
Entries 78
Mean 0.0008202
Std Dev 0.3107

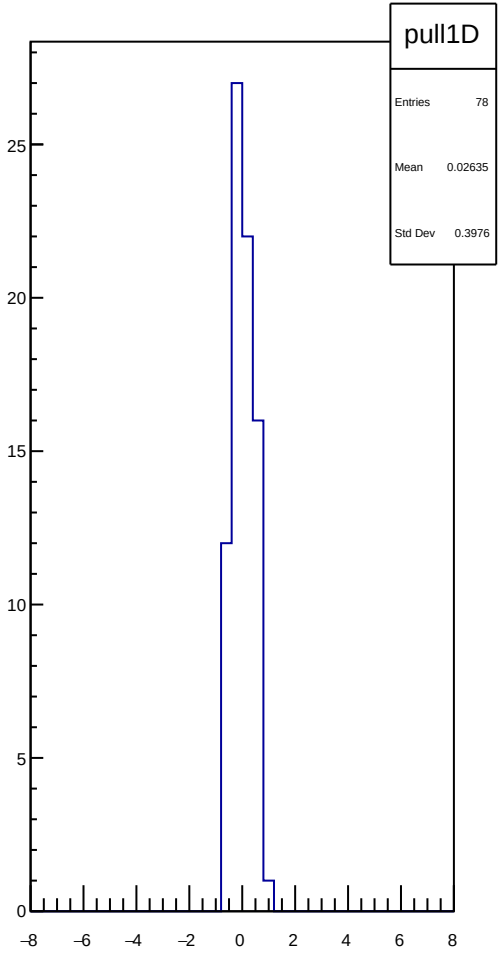

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.983 / 77
p0 −7.636 ± 0.9694
pull
Entries 78
Mean 385.4
Std Dev 346

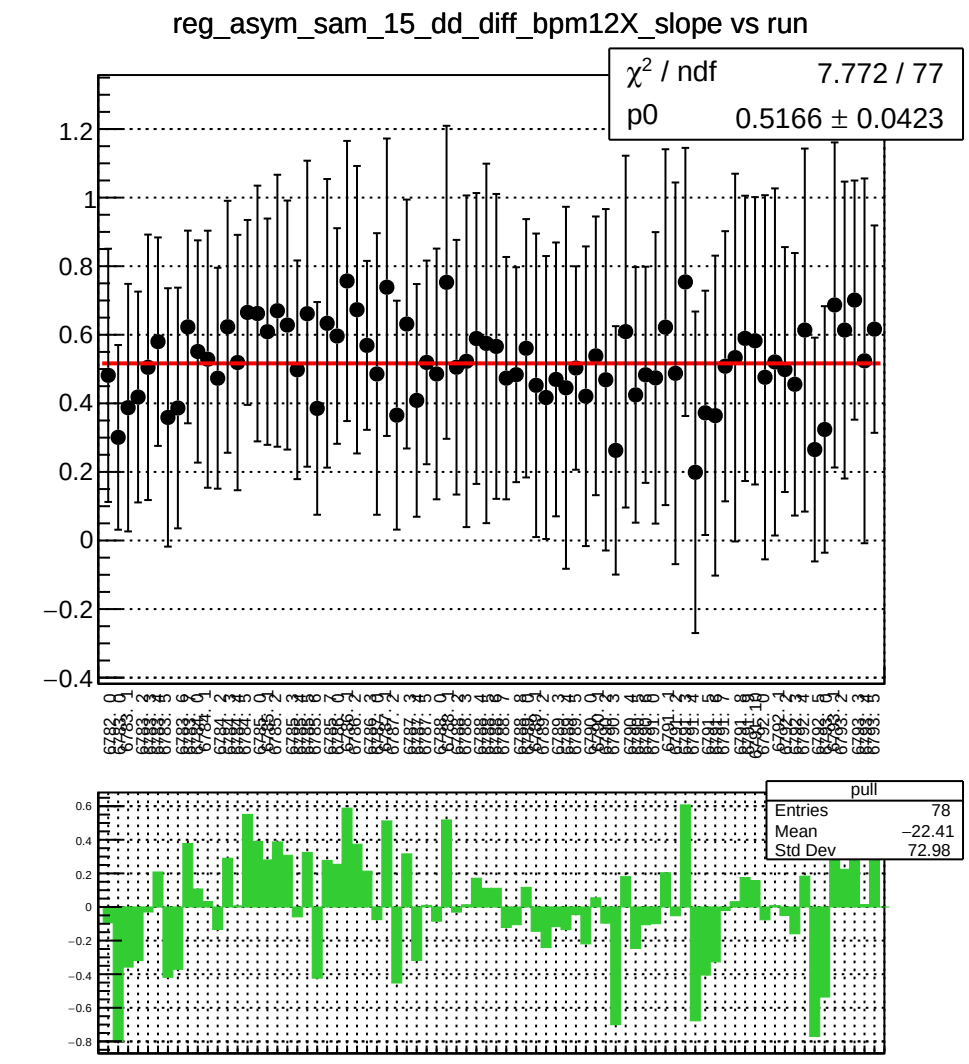

pull1D
Entries 78
Mean −0.008423
Std Dev 0.2258

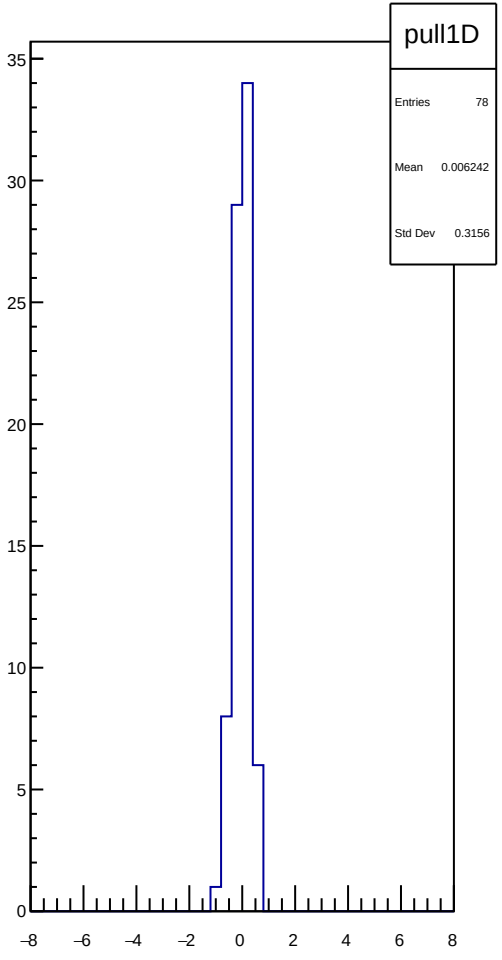

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.82 / 77
p0 −55.51 ± 0.4676
pull
Entries 78
Mean 361.5
Std Dev 322
pull1D
Entries 78
Mean −0.01493
Std Dev 0.3722

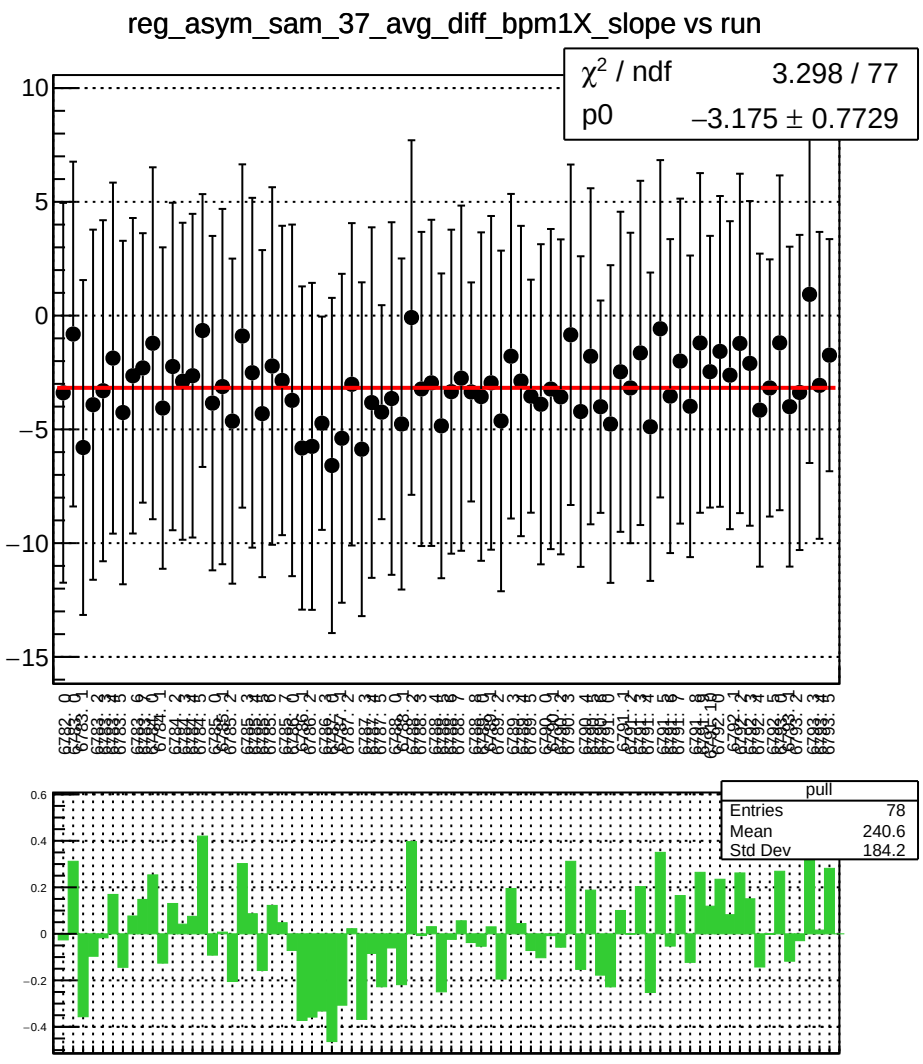

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.812 / 77
p0 −5.222 ± 0.9053
pull
Entries 78
Mean 378.1
Std Dev 338.5
pull1D
Entries 78
Mean 0.00787
Std Dev 0.2209

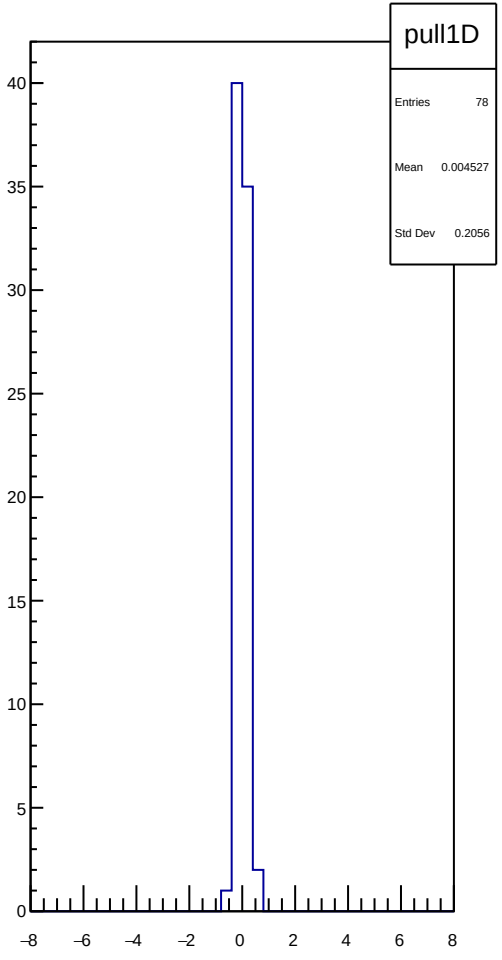

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.39 / 77
p0 −31.03 ± 0.6377
pull
Entries 78
Mean 198
Std Dev 158.4

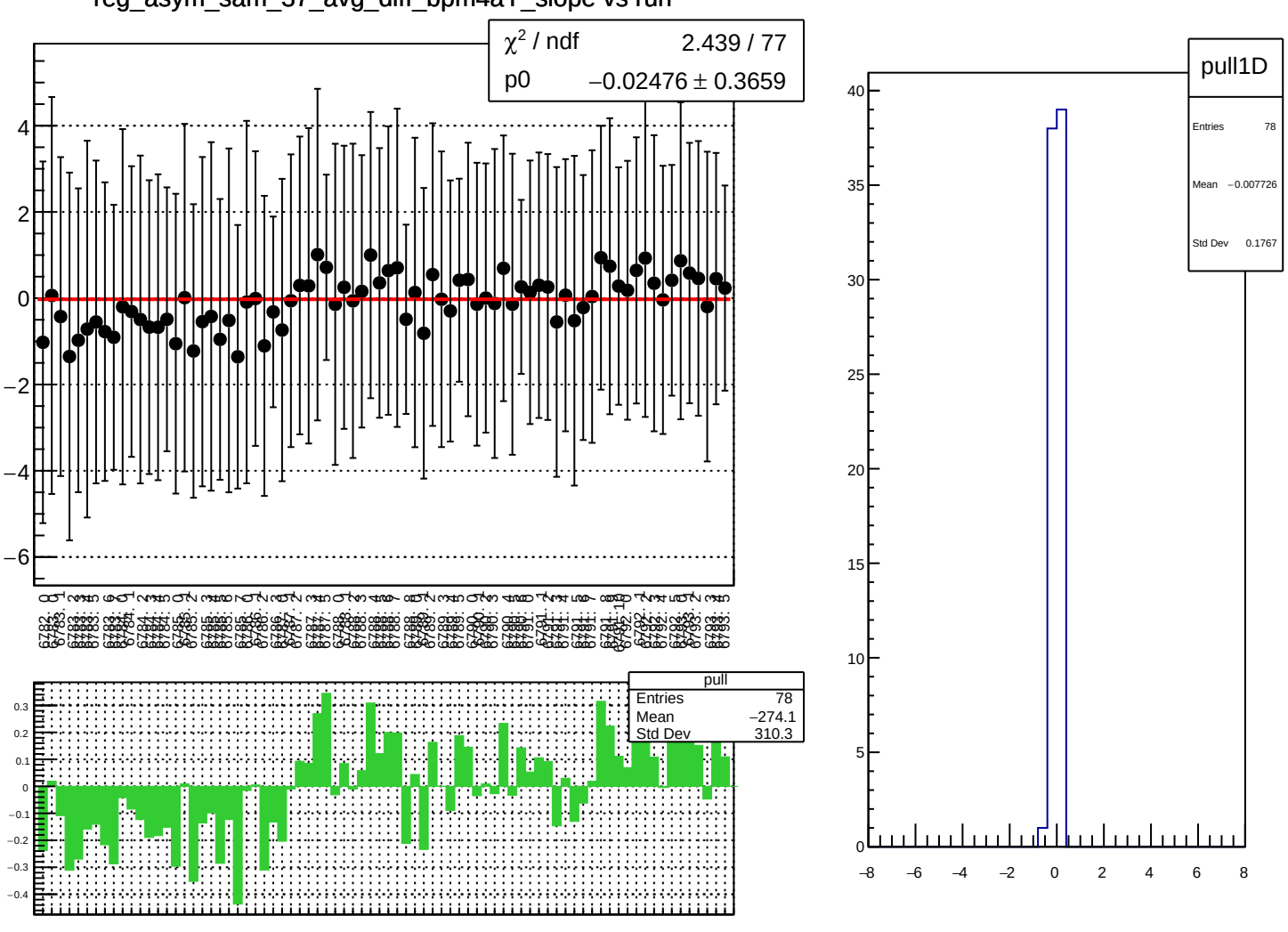

pull1D
Entries 78
Mean 0.02635
Std Dev 0.3976

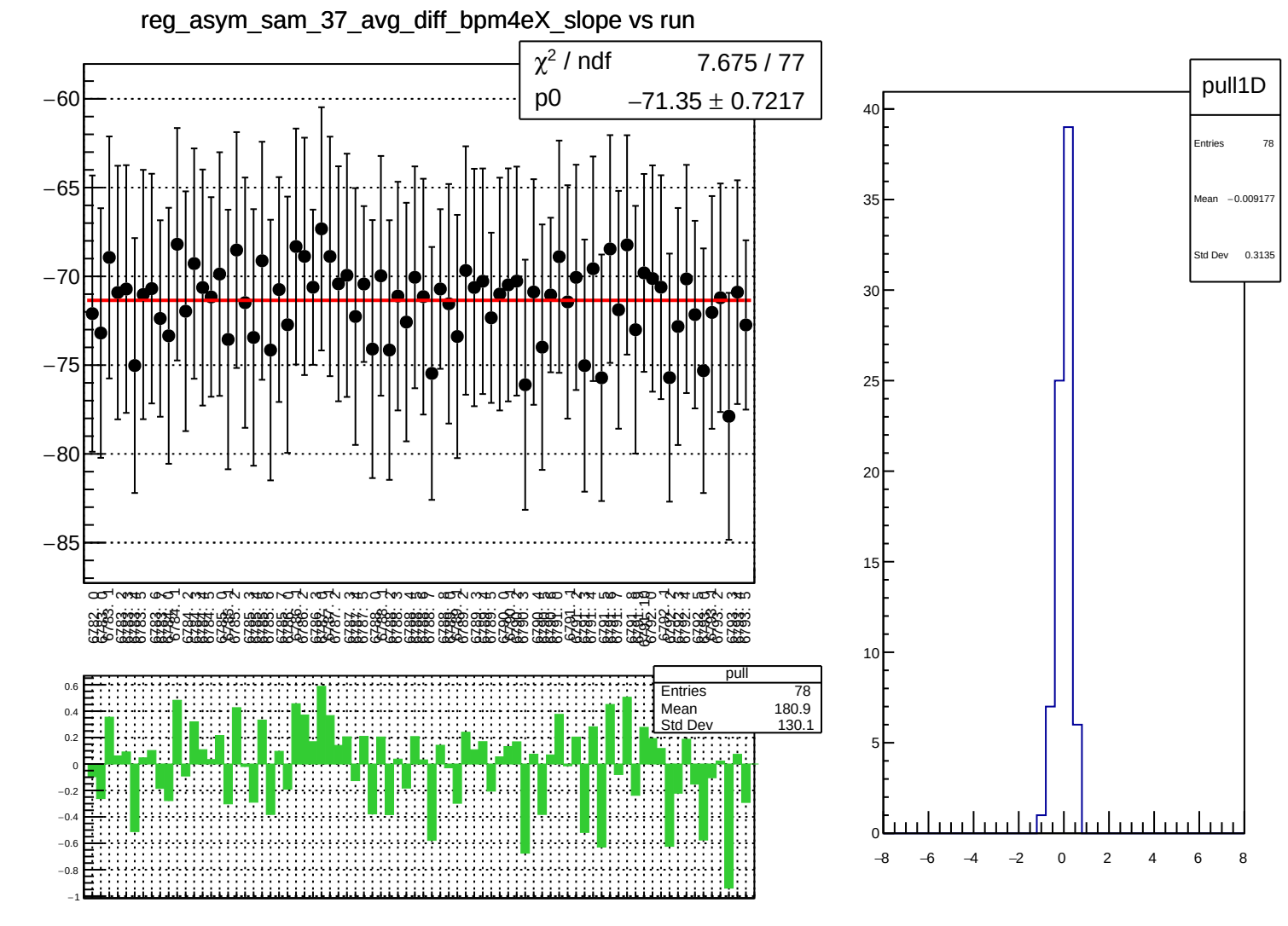

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 7.772 / 77
p0 0.5166 ± 0.0423
pull
Entries 78
Mean −22.41
Std Dev 72.98

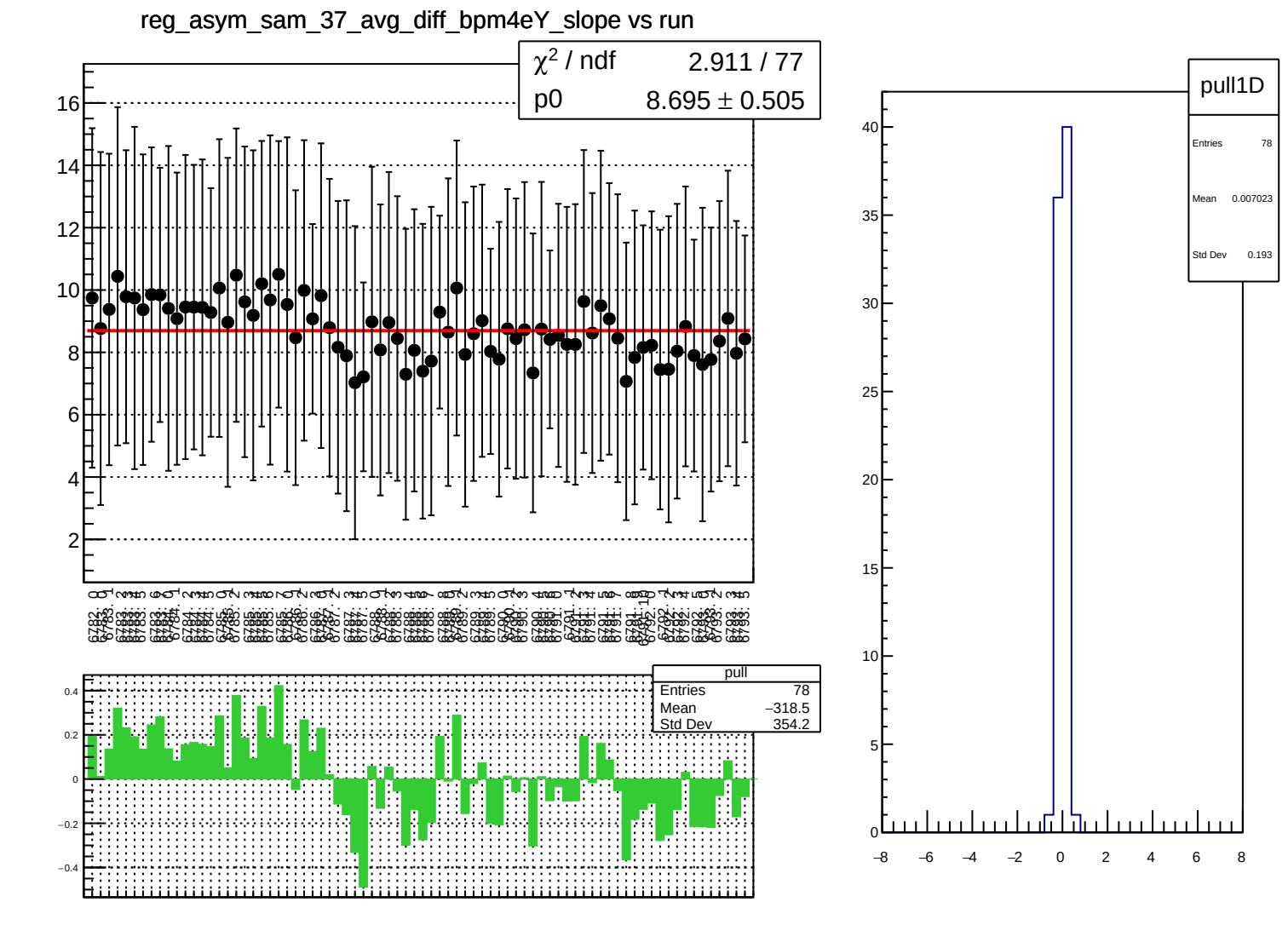

pull1D
Entries 78
Mean 0.006242
Std Dev 0.3156

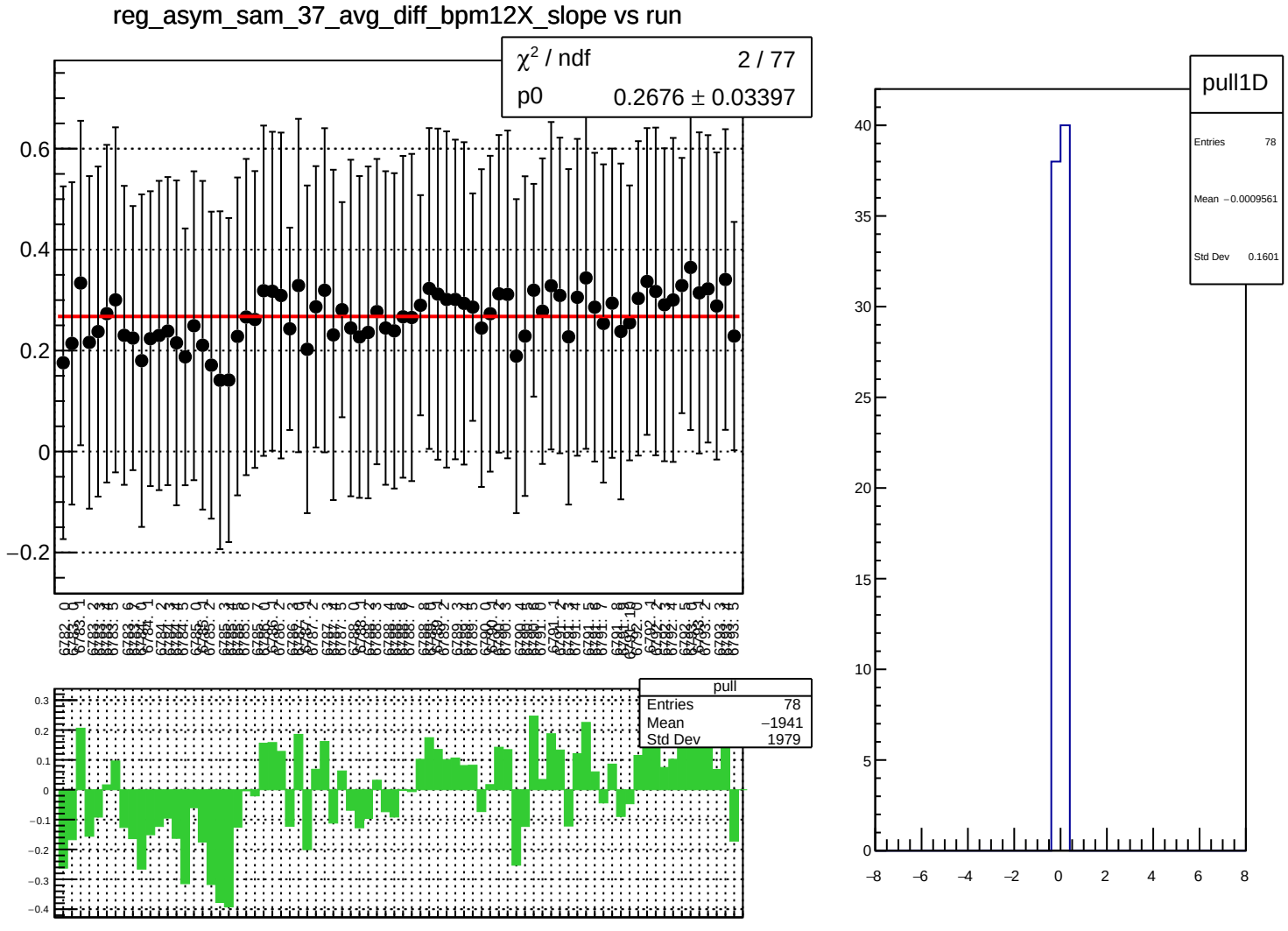

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.298 / 77
p0 −3.175 ± 0.7729
pull
Entries 78
Mean 240.6
Std Dev 184.2

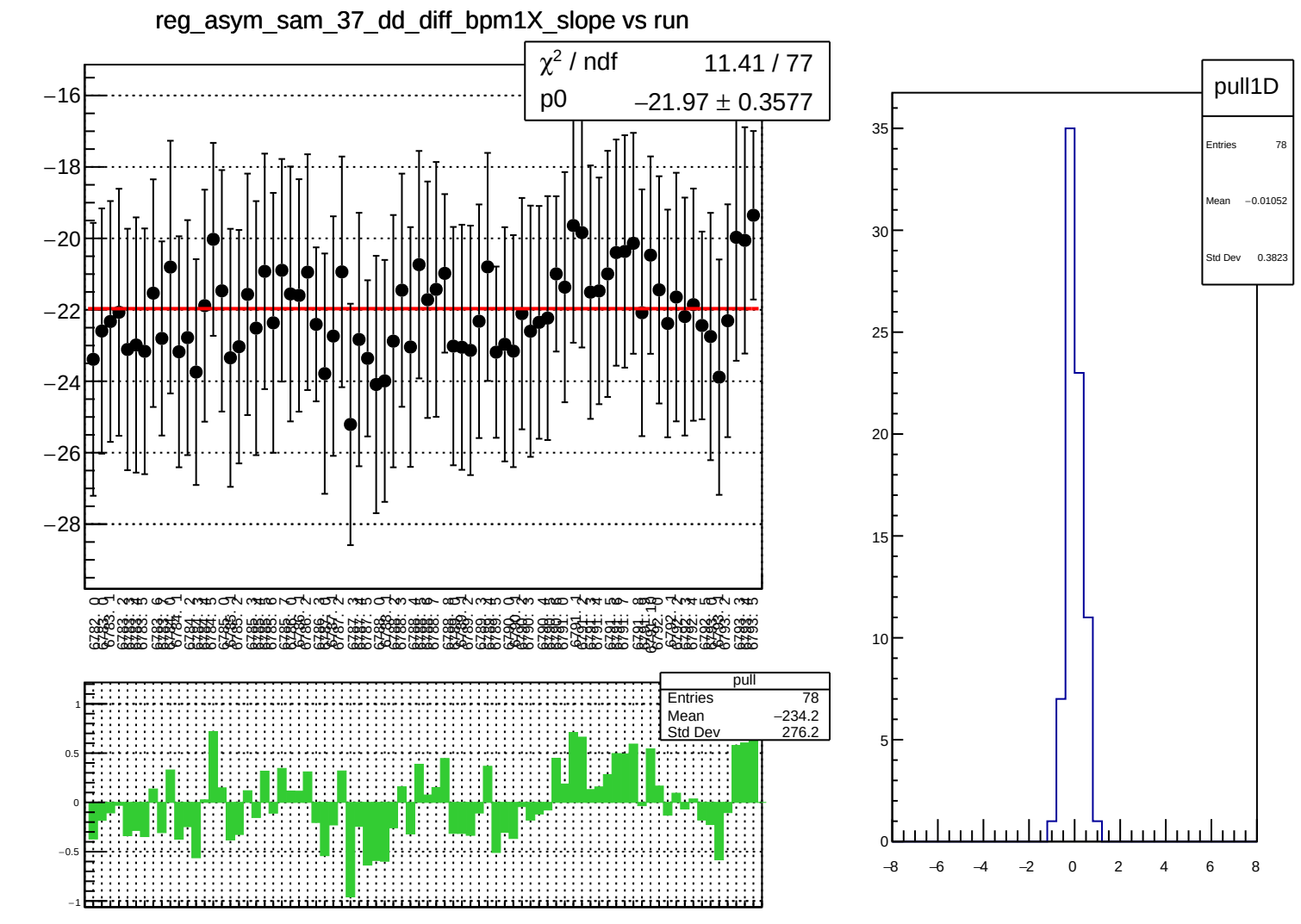

pull1D
Entries 78
Mean 0.004527
Std Dev 0.2056

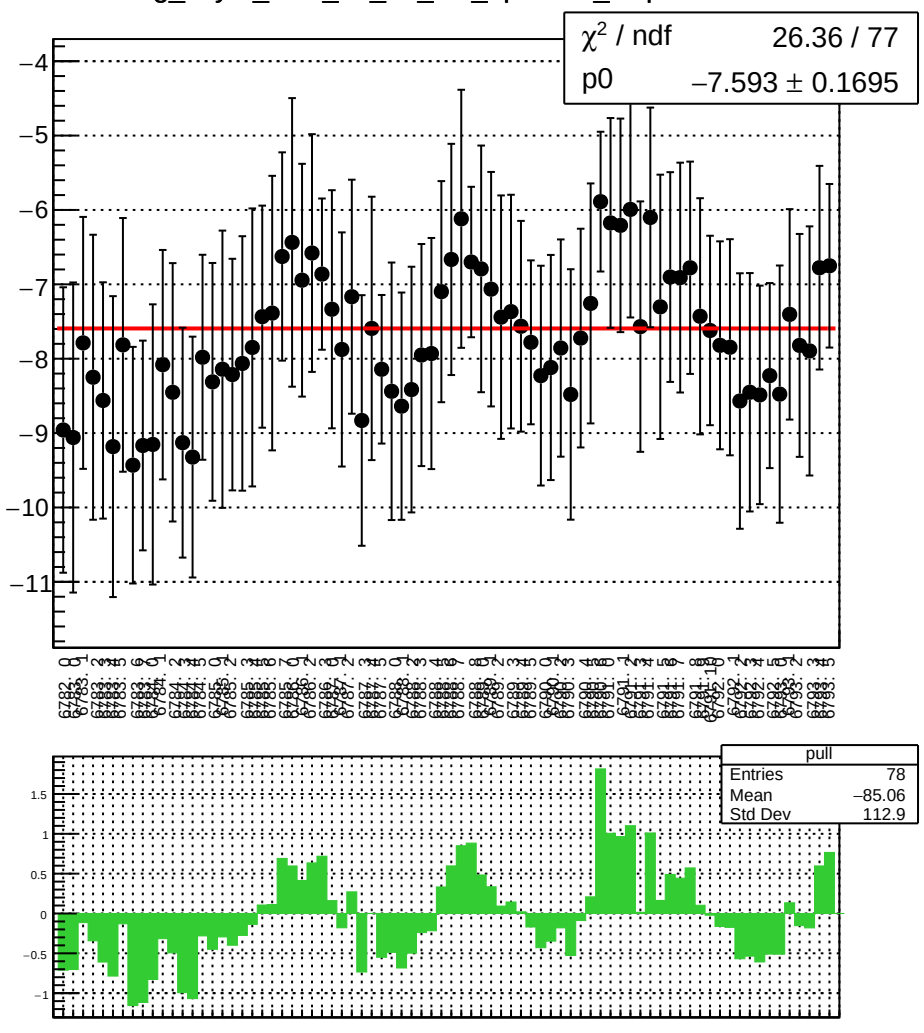

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.439 / 77
p0 −0.02476 ± 0.3659
pull
Entries 78
Mean −274.1
Std Dev 310.3
pull1D
Entries 78
Mean −0.007726
Std Dev 0.1767

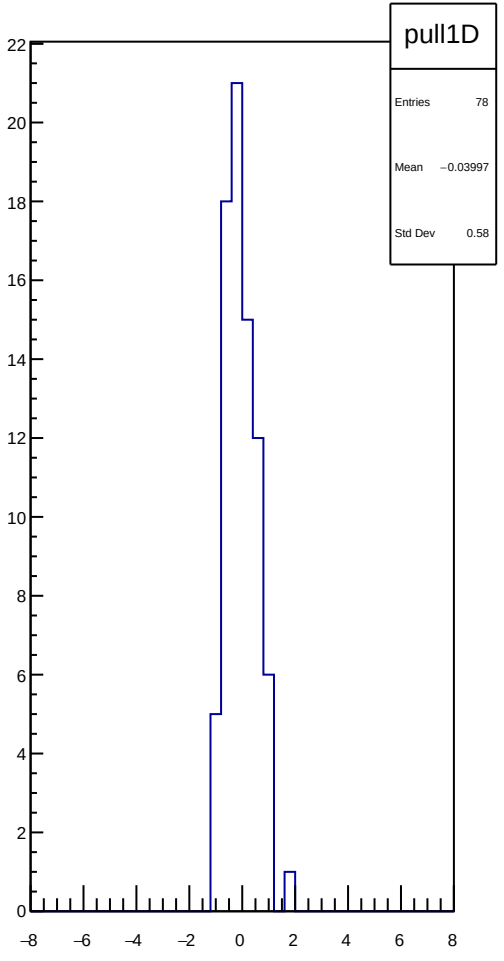

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.675 / 77
p0 −71.35 ± 0.7217
pull
Entries 78
Mean 180.9
Std Dev 130.1
pull1D
Entries 78
Mean −0.009177
Std Dev 0.3135

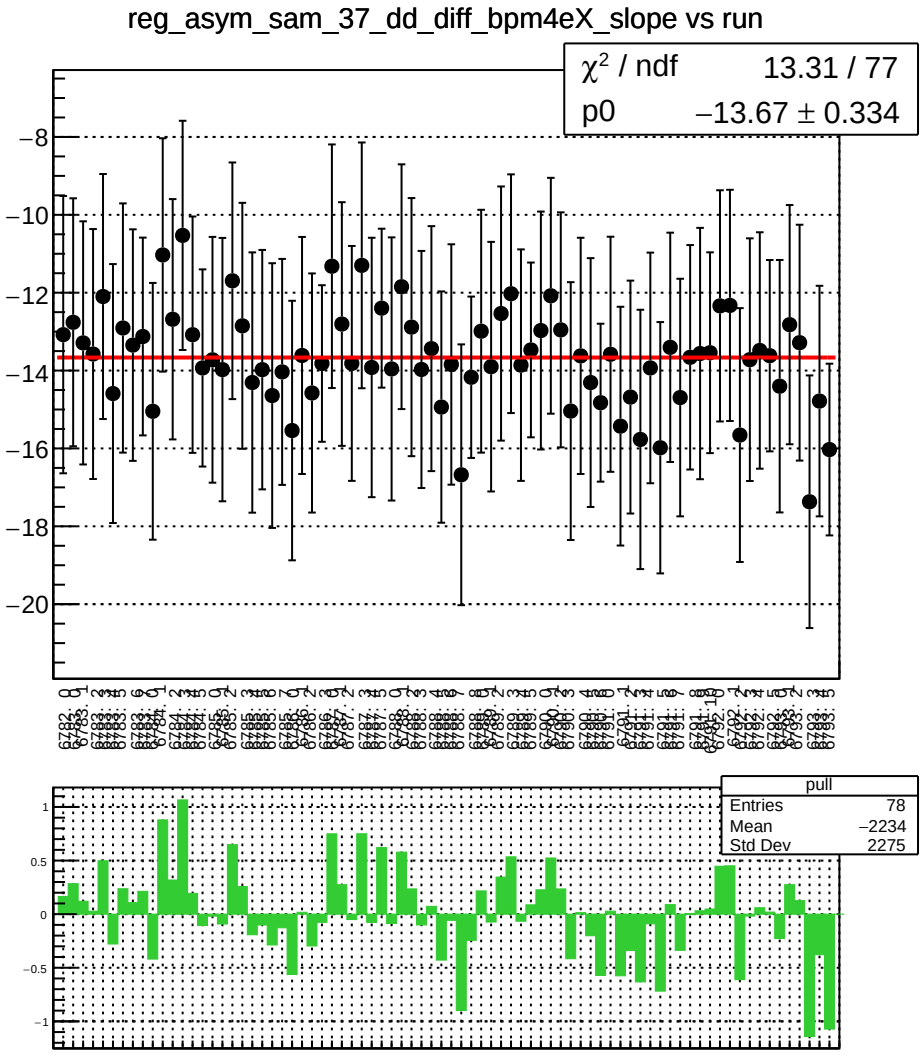

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.911 / 77
p0 8.695 ± 0.505
pull
Entries 78
Mean −318.5
Std Dev 354.2
pull1D
Entries 78
Mean 0.007023
Std Dev 0.193

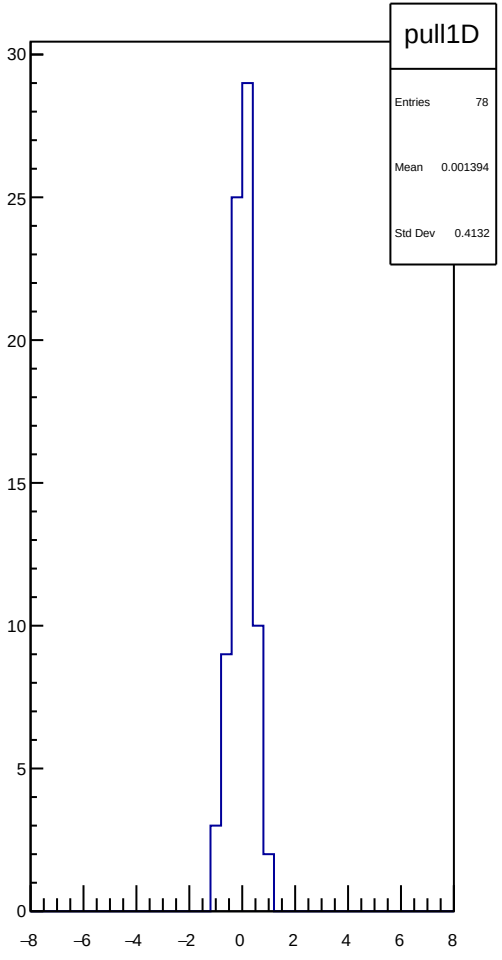

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2 / 77
p0 0.2676 ± 0.03397
pull
Entries 78
Mean −1941
Std Dev 1979
pull1D
Entries 78
Mean −0.0009561
Std Dev 0.1601

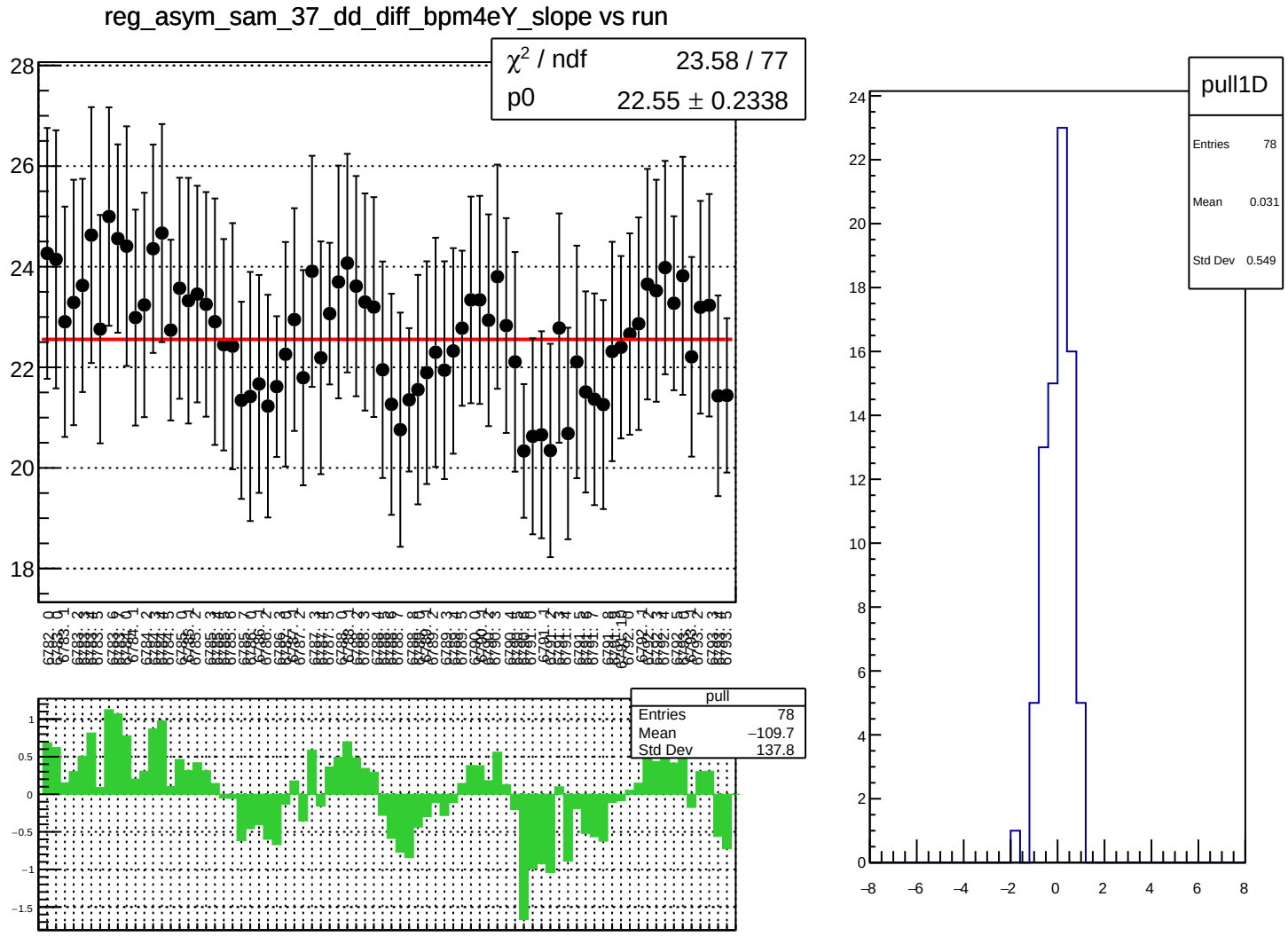

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 11.41 / 77
p0 −21.97 ± 0.3577
pull
Entries 78
Mean −234.2
Std Dev 276.2
pull1D
Entries 78
Mean −0.01052
Std Dev 0.3823

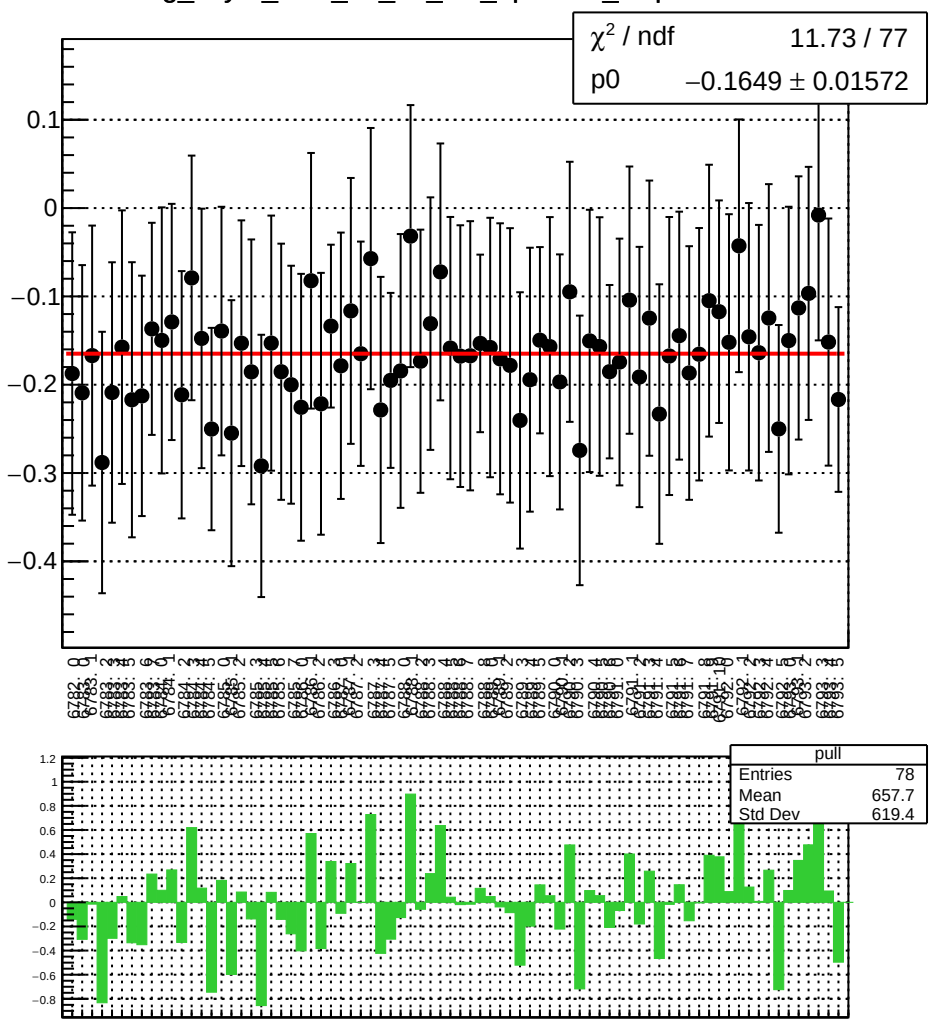

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.36 / 77
p0 −7.593 ± 0.1695
pull
Entries 78
Mean −85.06
Std Dev 112.9

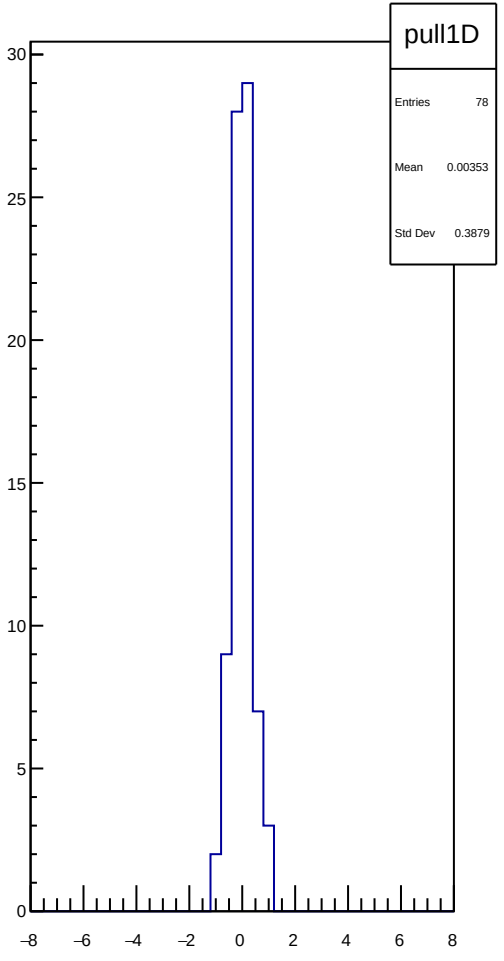

pull1D
Entries 78
Mean −0.03997
Std Dev 0.58

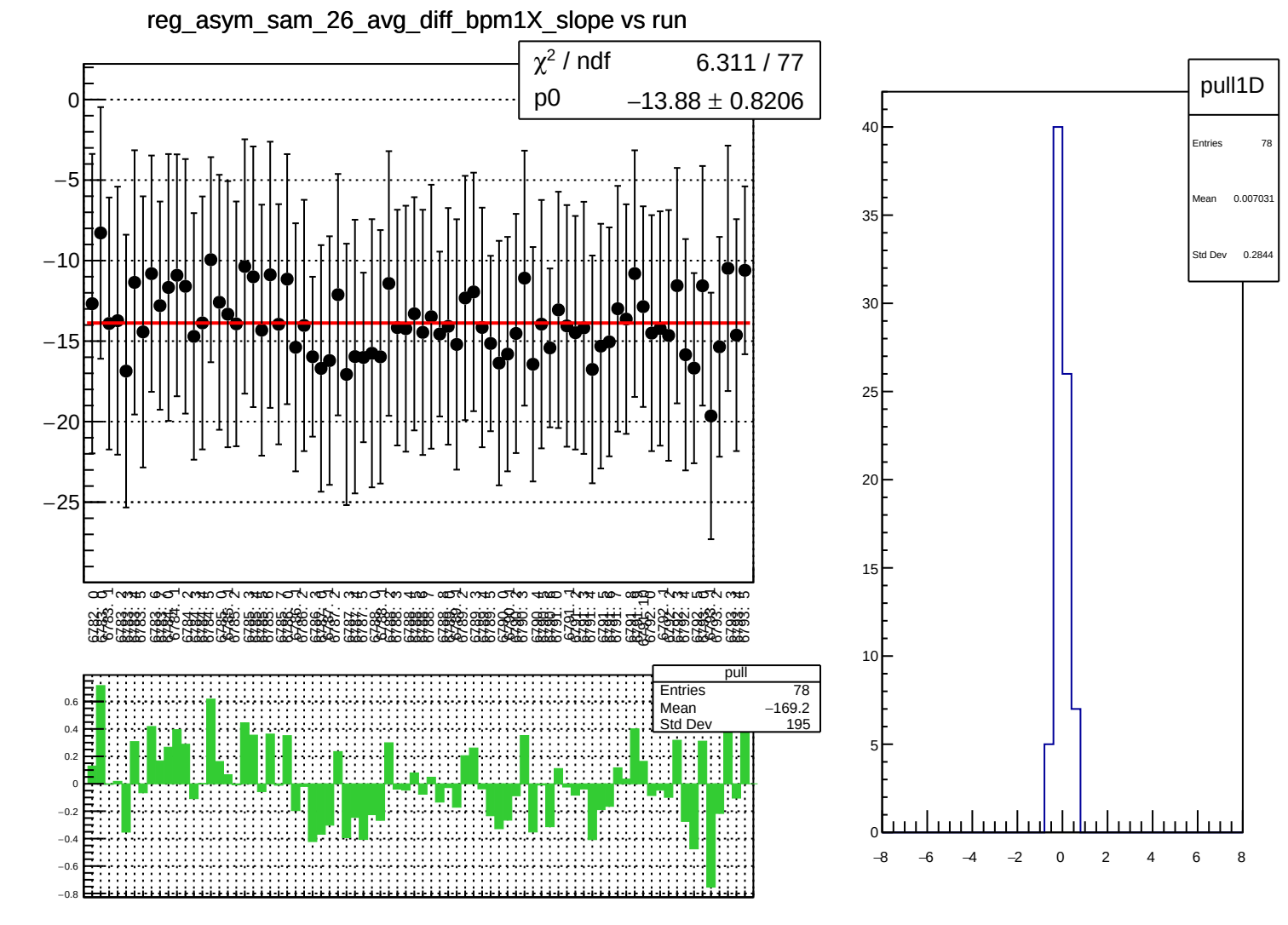

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.31 / 77
p0 −13.67 ± 0.334
pull
Entries 78
Mean −2234
Std Dev 2275

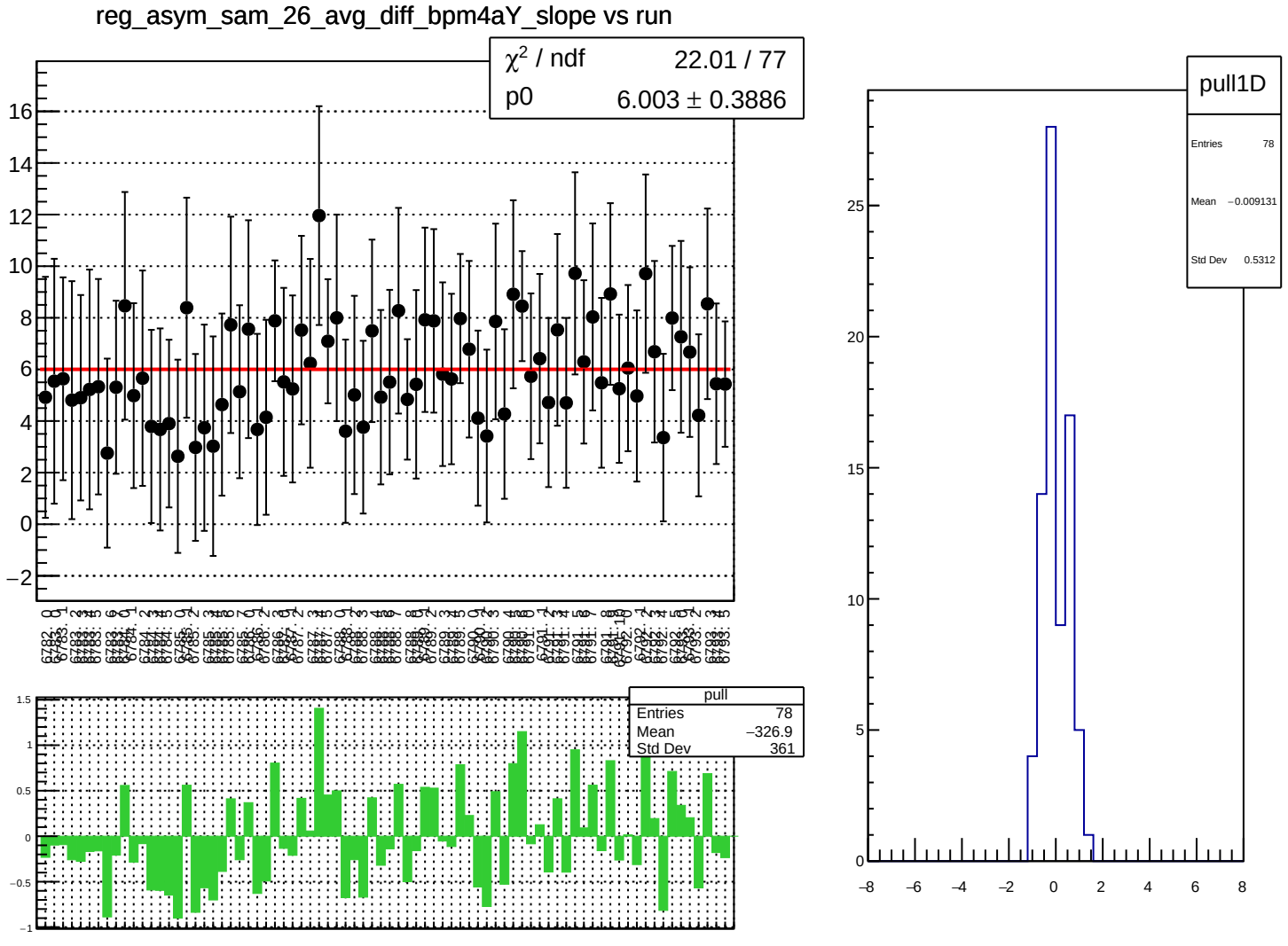

pull1D
Entries 78
Mean 0.001394
Std Dev 0.4132

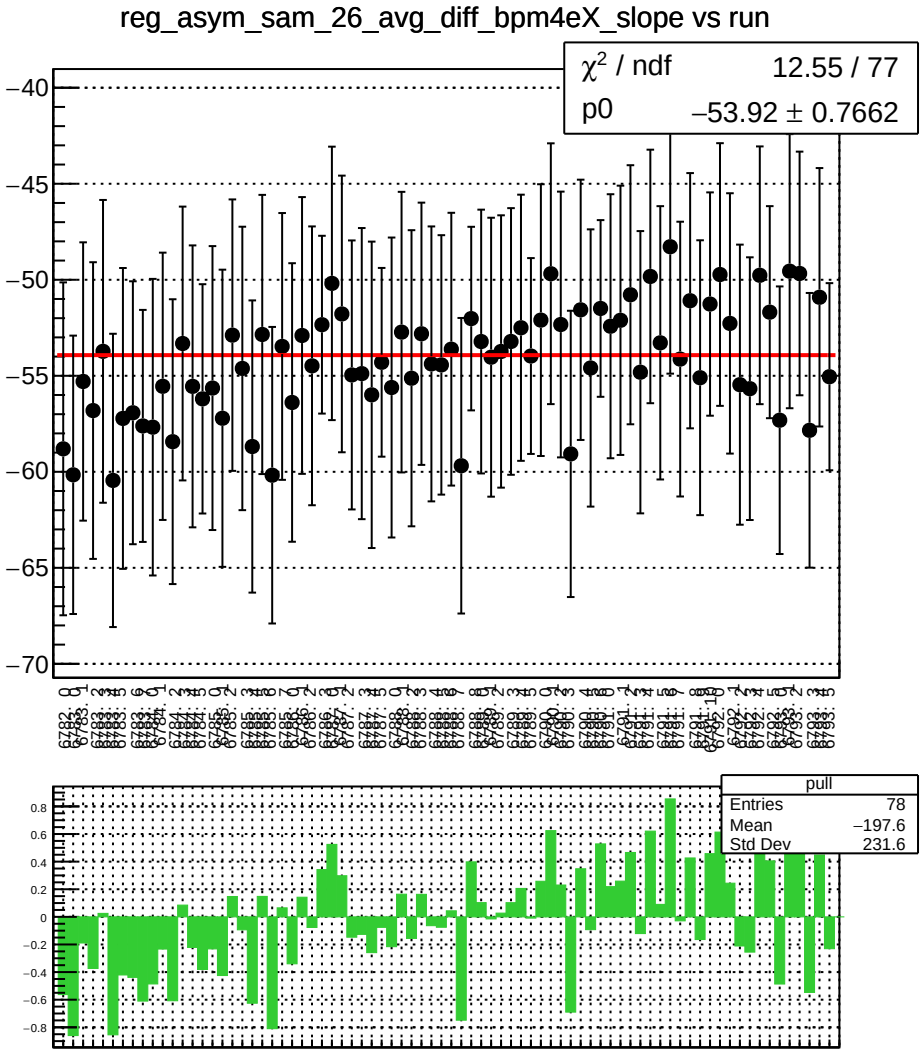

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.58 / 77
p0 22.55 ± 0.2338
pull
Entries 78
Mean −109.7
Std Dev 137.8
pull1D
Entries 78
Mean 0.031
Std Dev 0.549

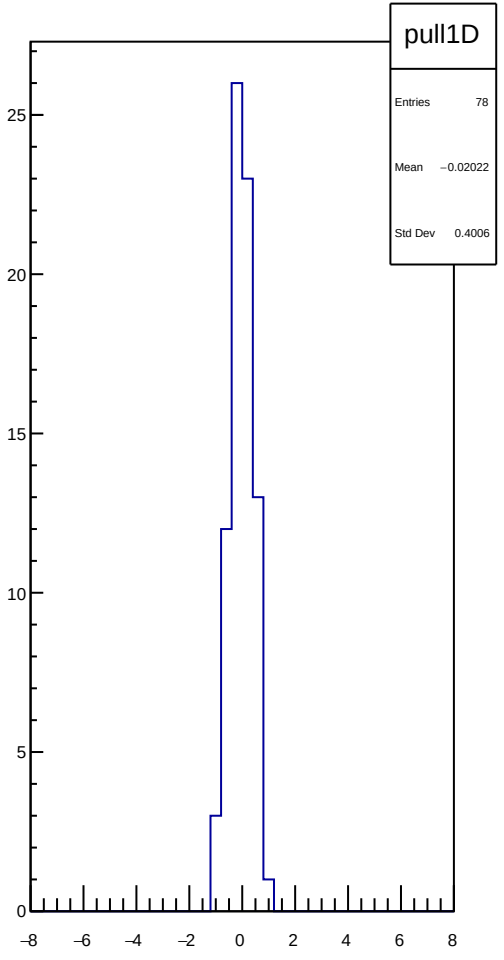

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.73 / 77
p0 −0.1649 ± 0.01572
pull
Entries 78
Mean 657.7
Std Dev 619.4

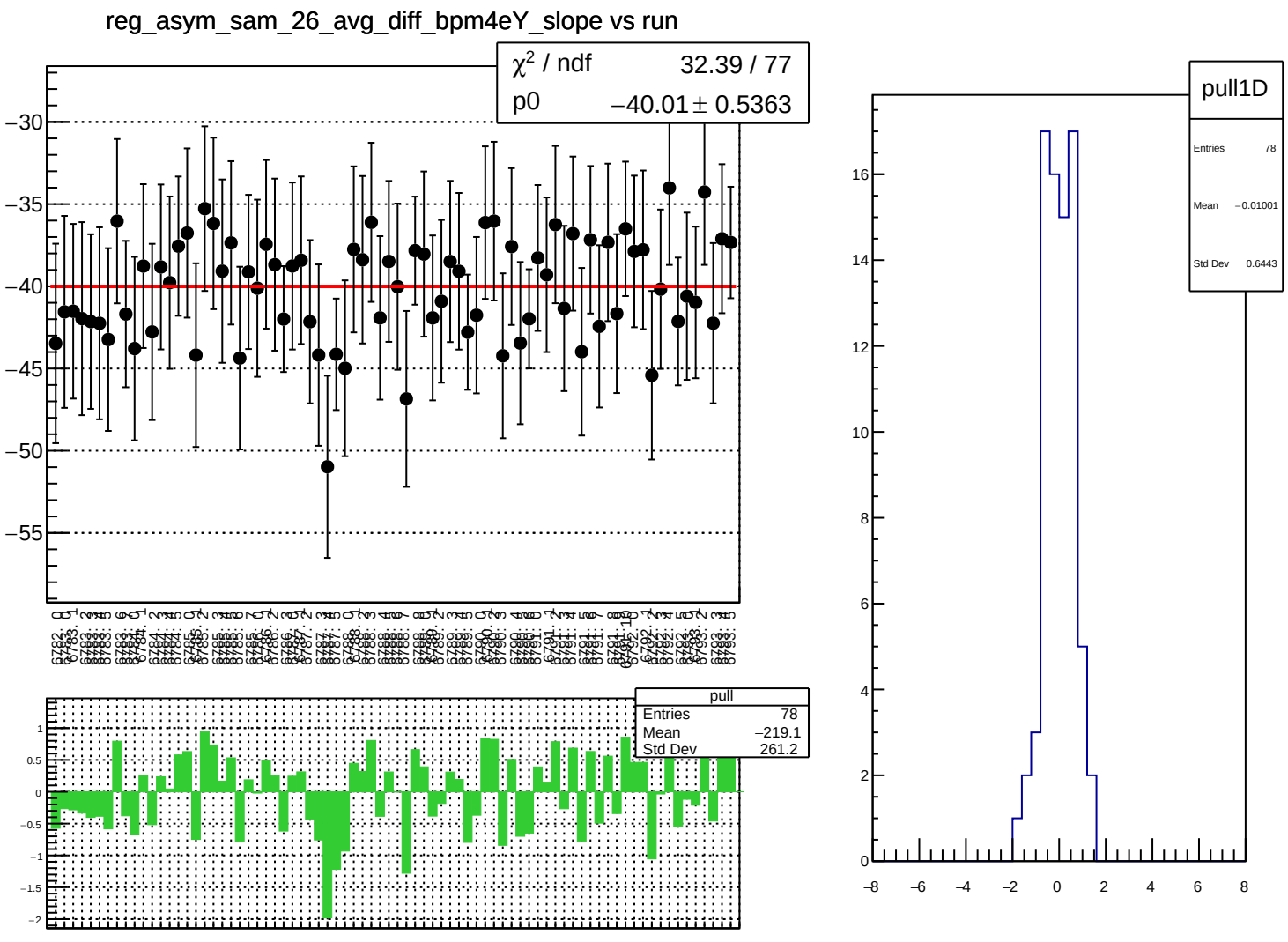

pull1D
Entries 78
Mean 0.00353
Std Dev 0.3879

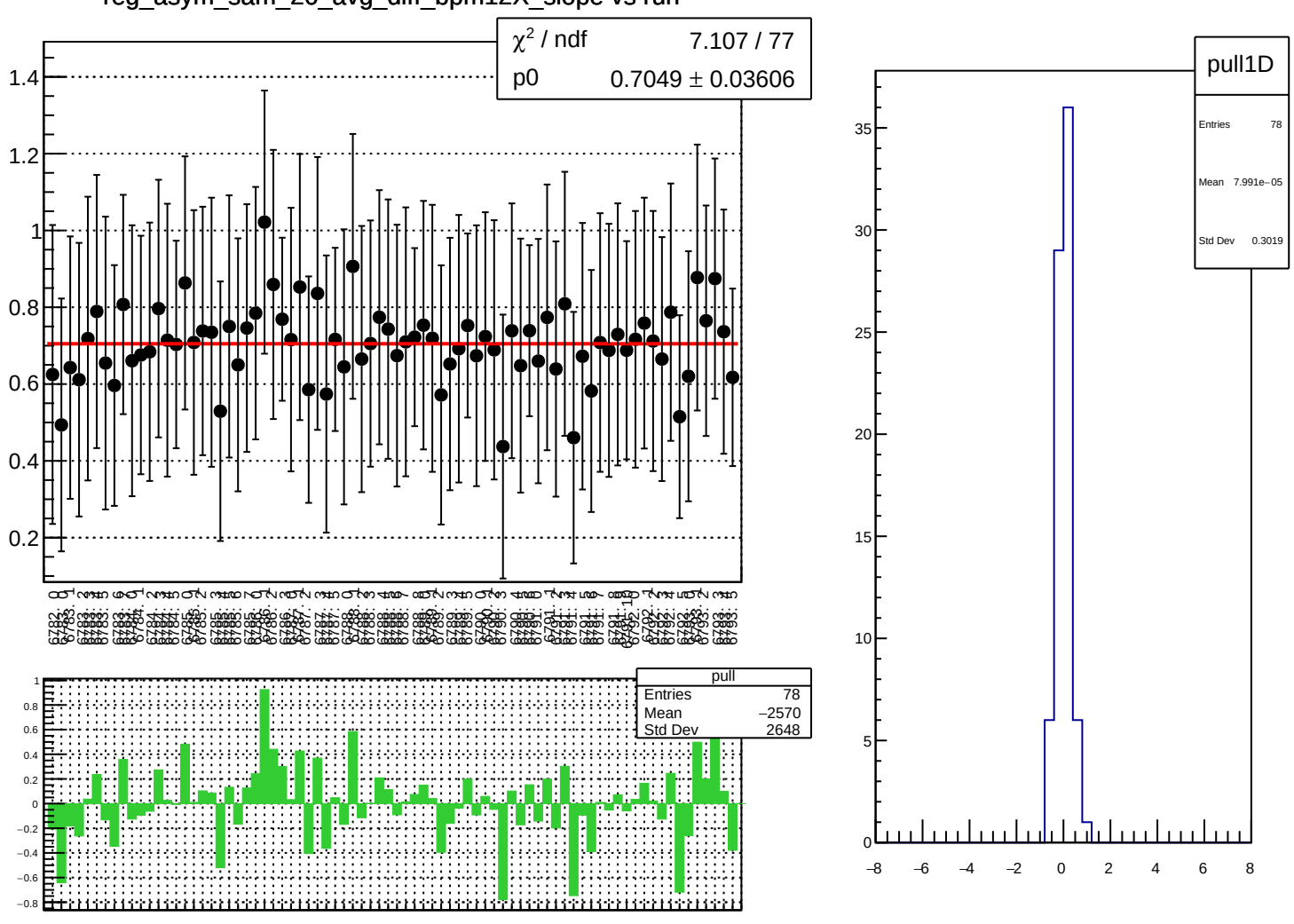

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 6.311 / 77
p0 −13.88 ± 0.8206
pull
Entries 78
Mean −169.2
Std Dev 195
pull1D
Entries 78
Mean 0.007031
Std Dev 0.2844

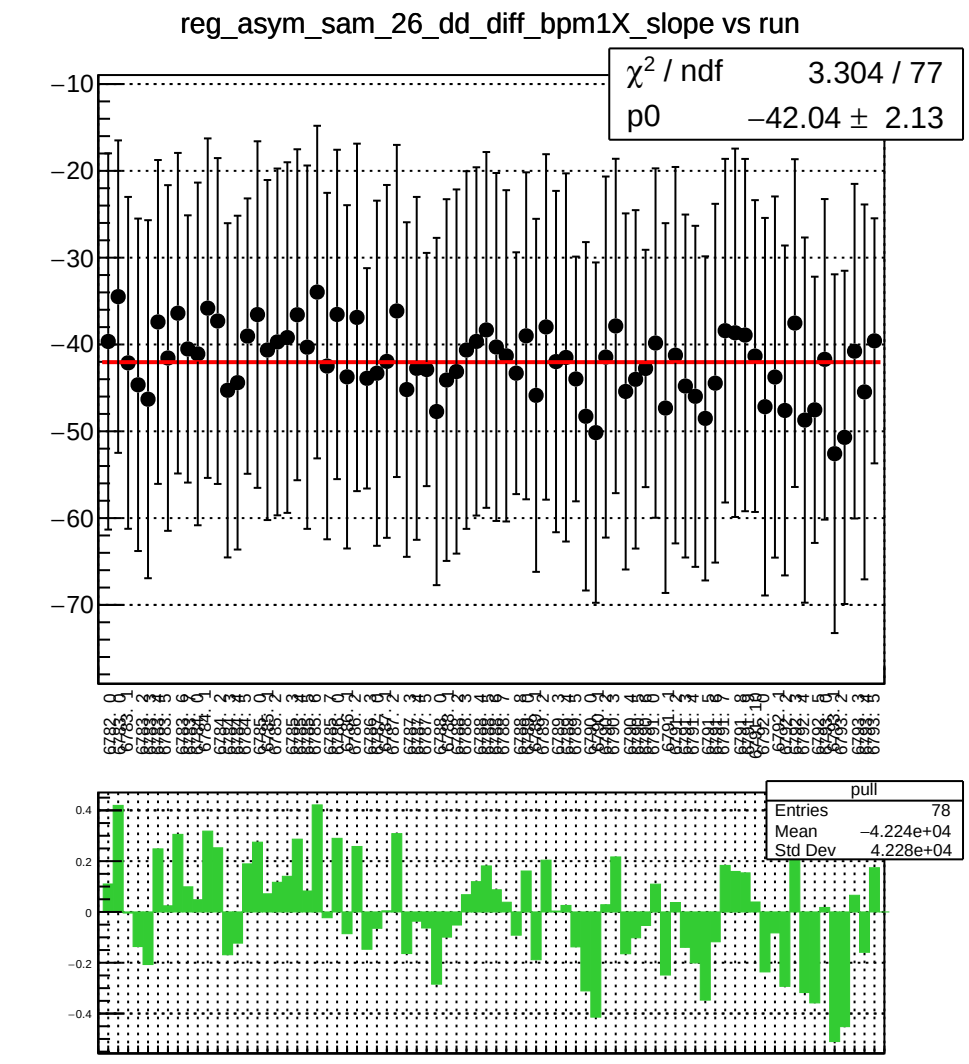

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.01 / 77
p0 6.003 ± 0.3886
pull
Entries 78
Mean −326.9
Std Dev 361
pull1D
Entries 78
Mean −0.009131
Std Dev 0.5312

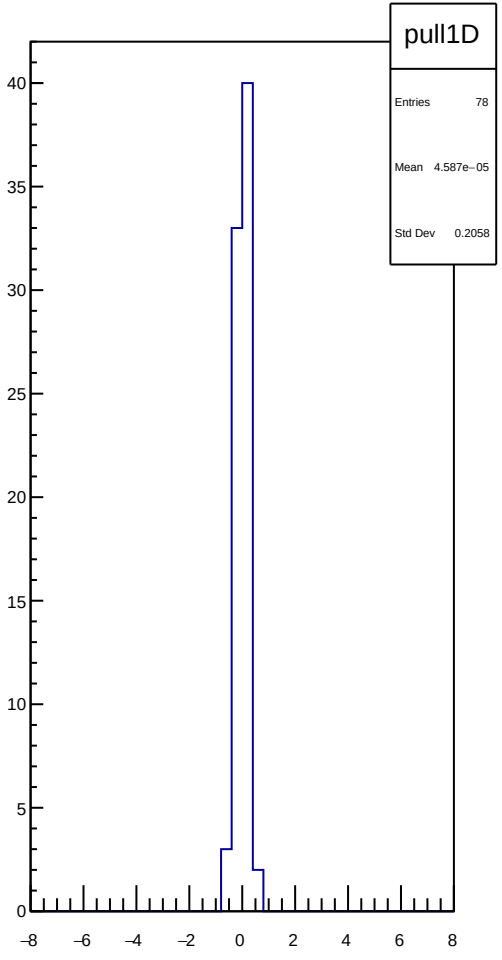

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.55 / 77
p0 −53.92 ± 0.7662
pull
Entries 78
Mean −197.6
Std Dev 231.6

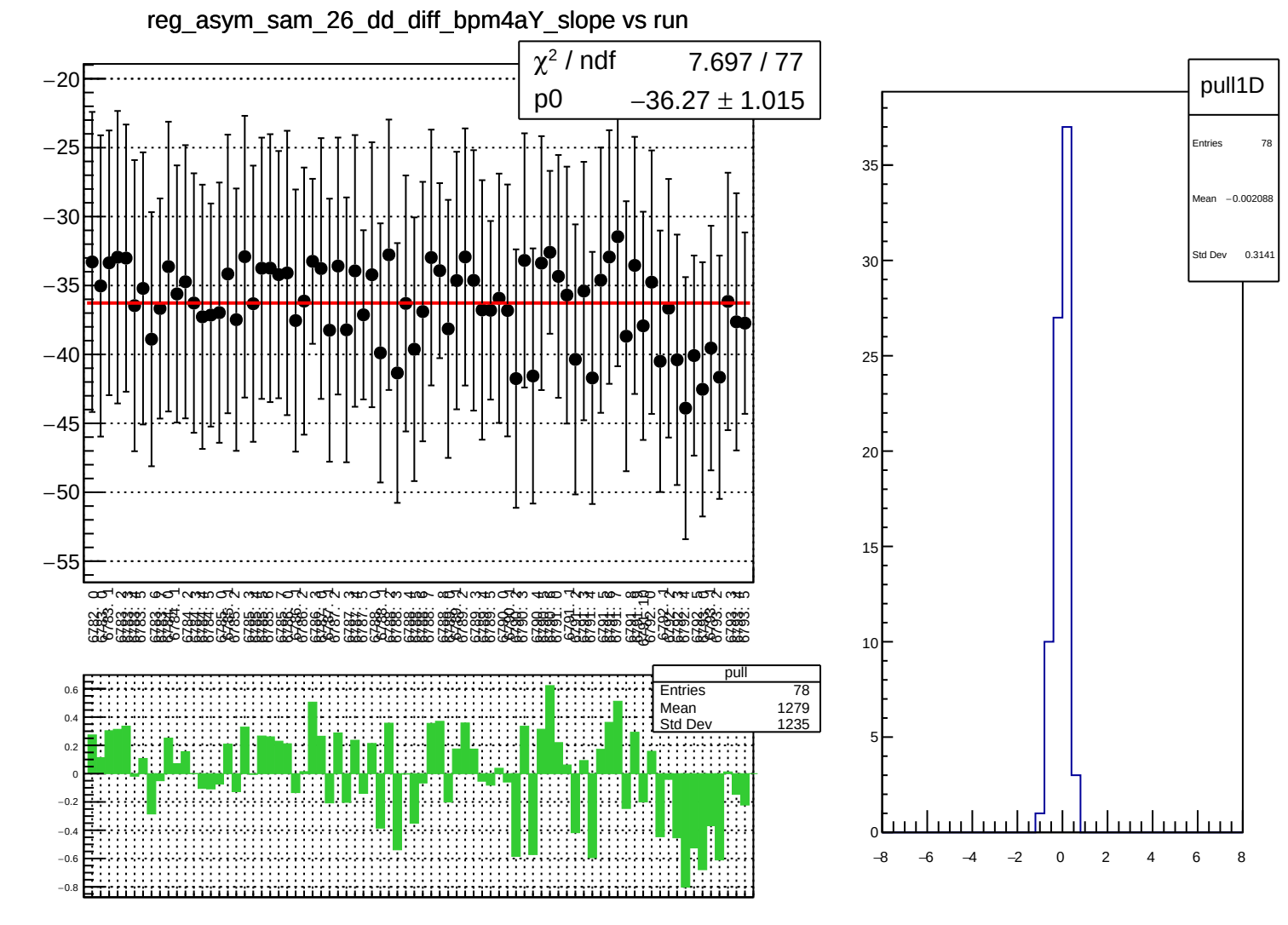

pull1D
Entries 78
Mean −0.02022
Std Dev 0.4006

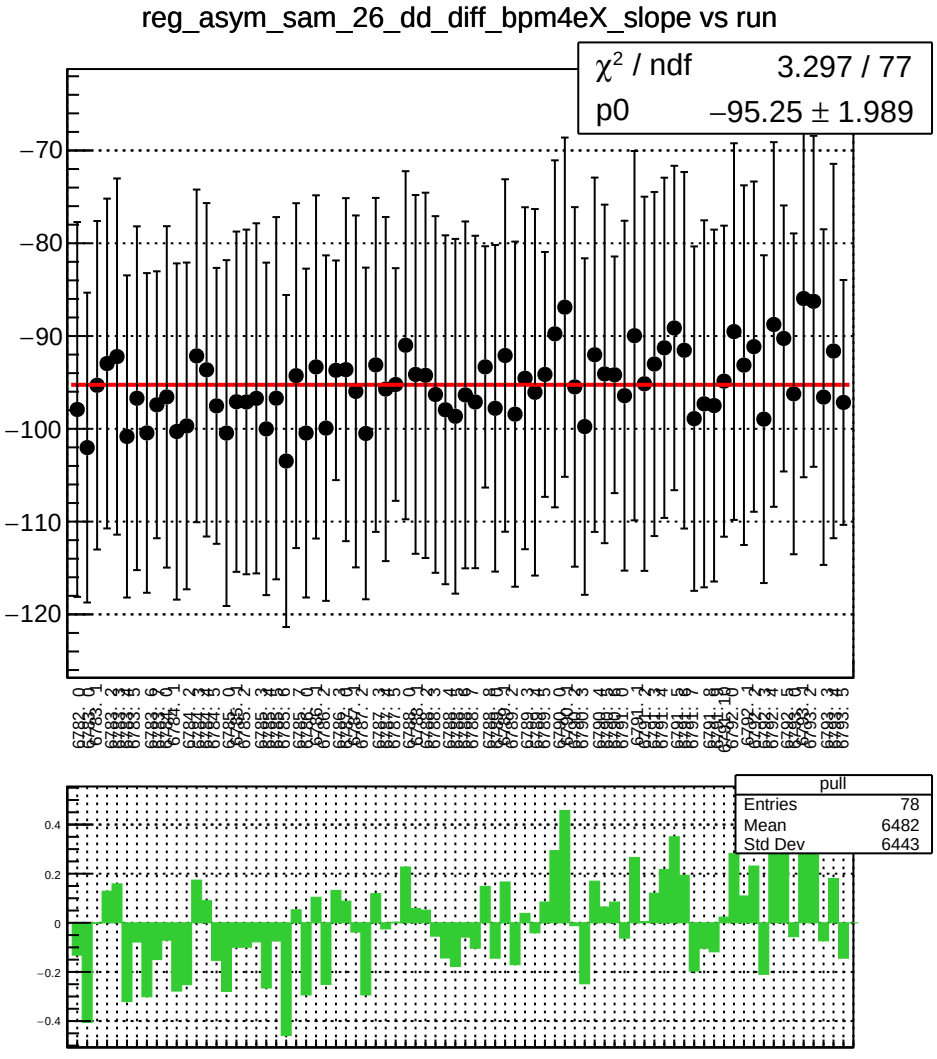

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.39 / 77
p0 −40.01 ± 0.5363
pull
Entries 78
Mean −219.1
Std Dev 261.2
pull1D
Entries 78
Mean −0.01001
Std Dev 0.6443

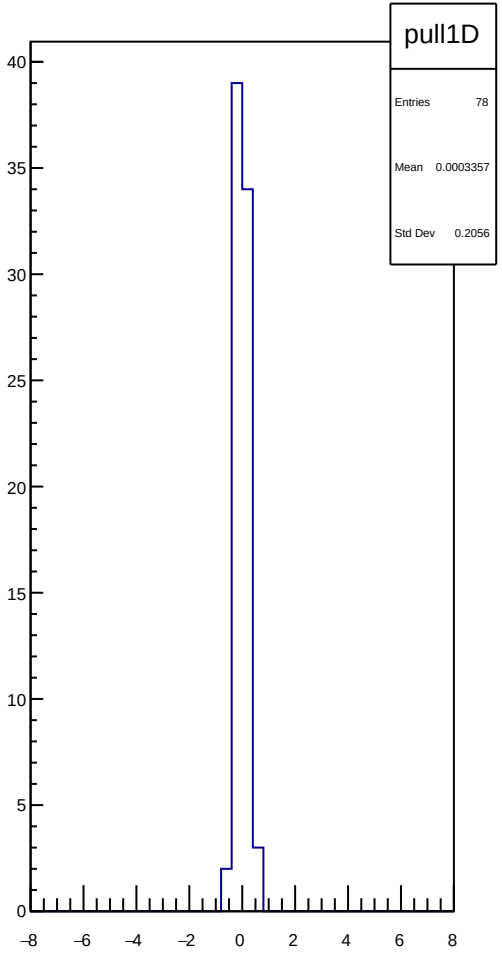

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.107 / 77
p0 0.7049 ± 0.03606
pull
Entries 78
Mean −2570
Std Dev 2648
pull1D
Entries 78
Mean 7.991e−05
Std Dev 0.3019

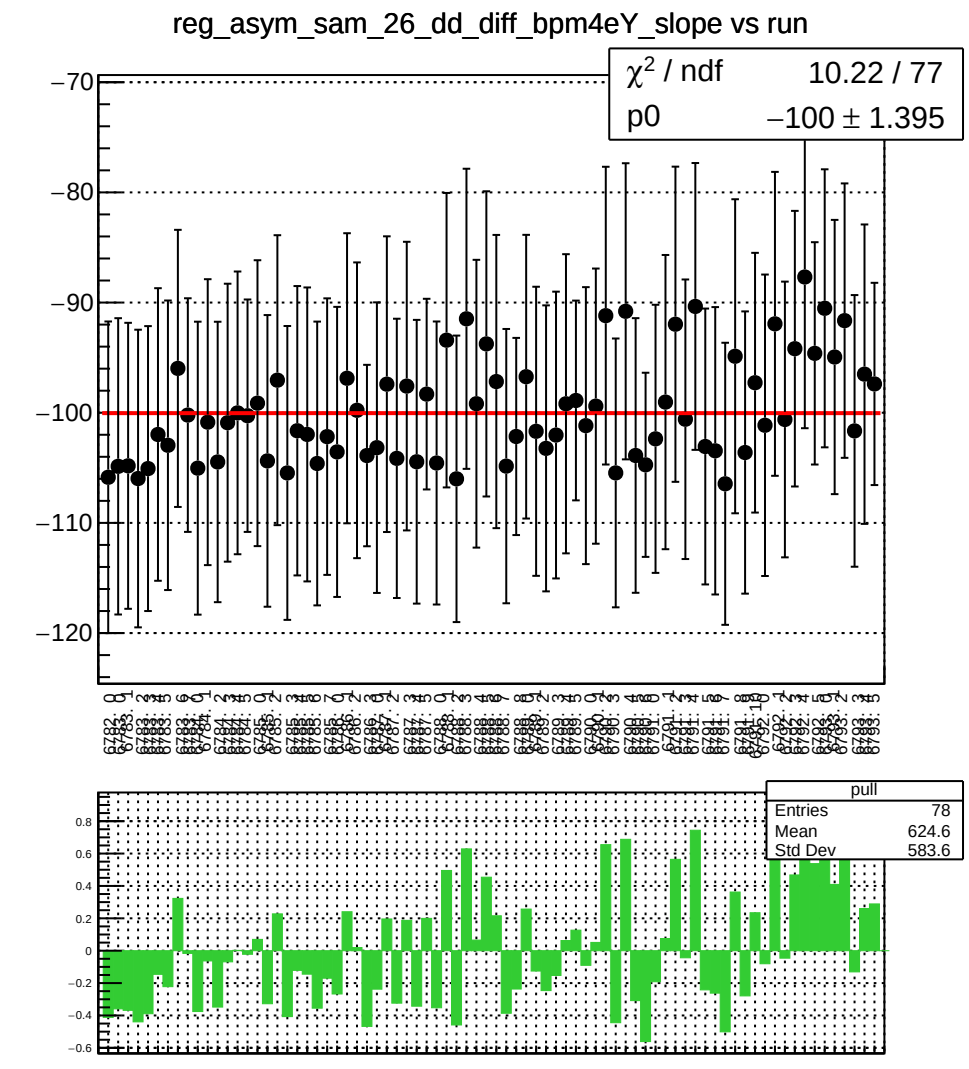

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.304 / 77
p0 −42.04 ± 2.13
pull
Entries 78
Mean −4.224e+04
Std Dev 4.228e+04

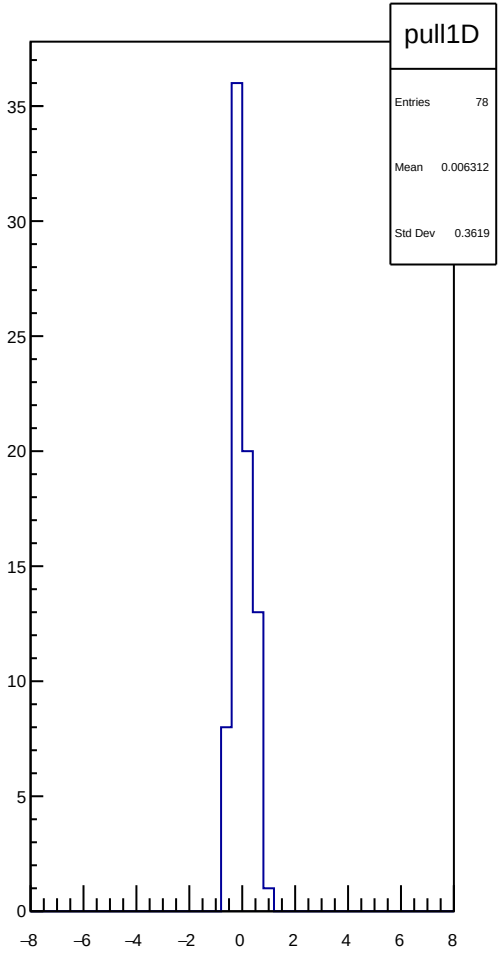

pull1D
Entries 78
Mean 4.587e−05
Std Dev 0.2058

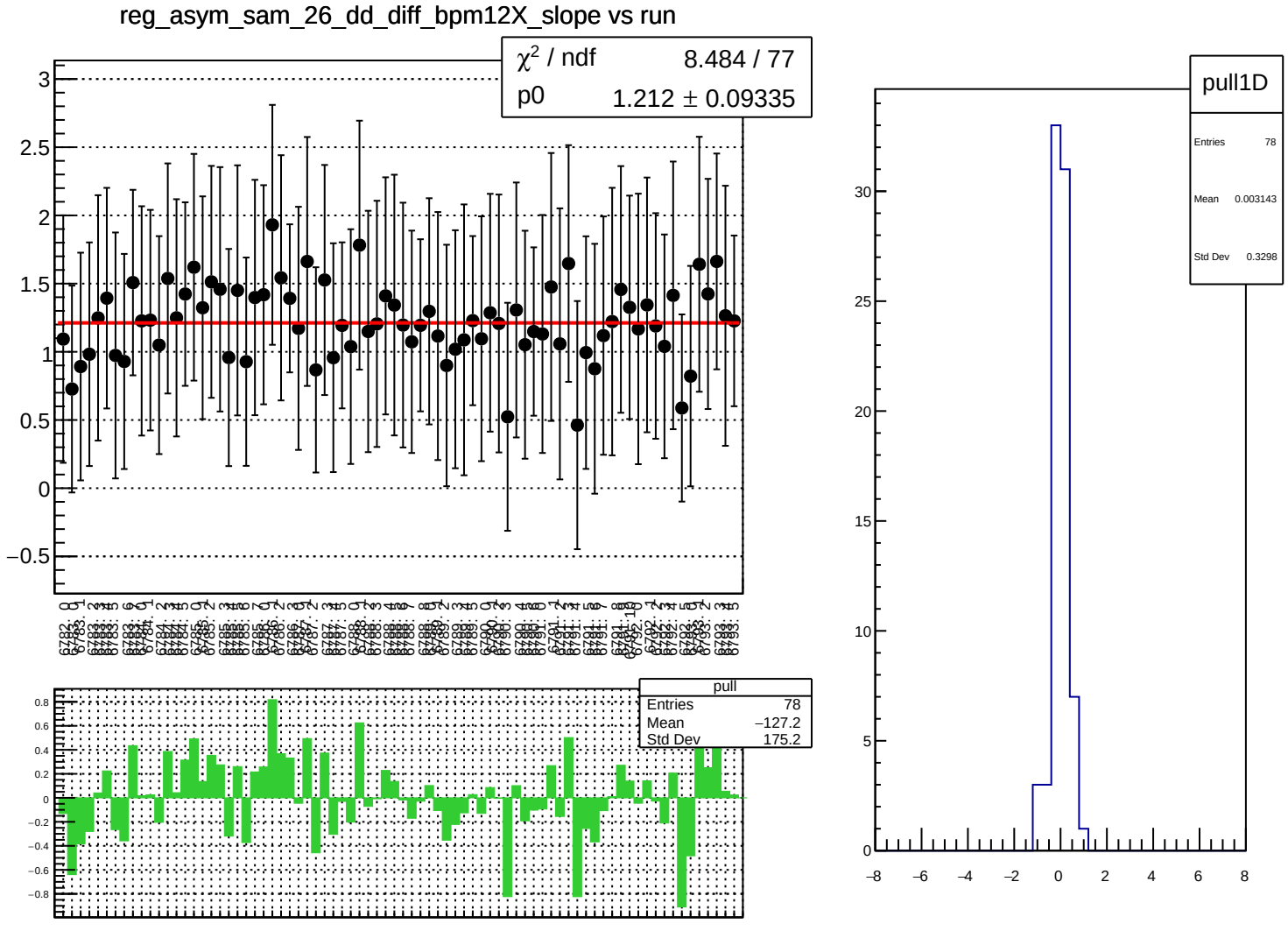

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.697 / 77
p0 −36.27 ± 1.015
pull
Entries 78
Mean 1279
Std Dev 1235
pull1D
Entries 78
Mean −0.002088
Std Dev 0.3141

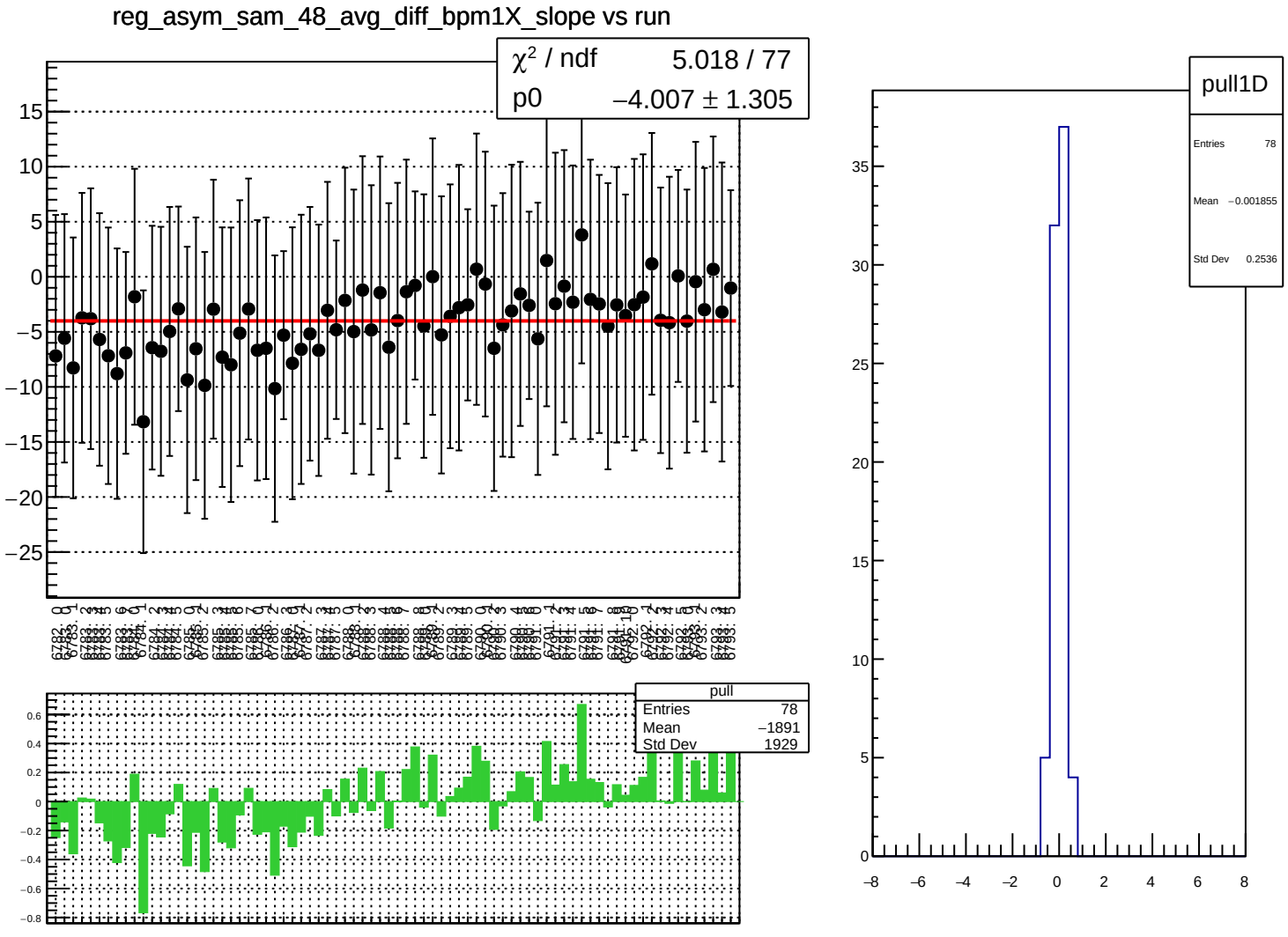

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.297 / 77
p0 −95.25 ± 1.989
pull
Entries 78
Mean 6482
Std Dev 6443

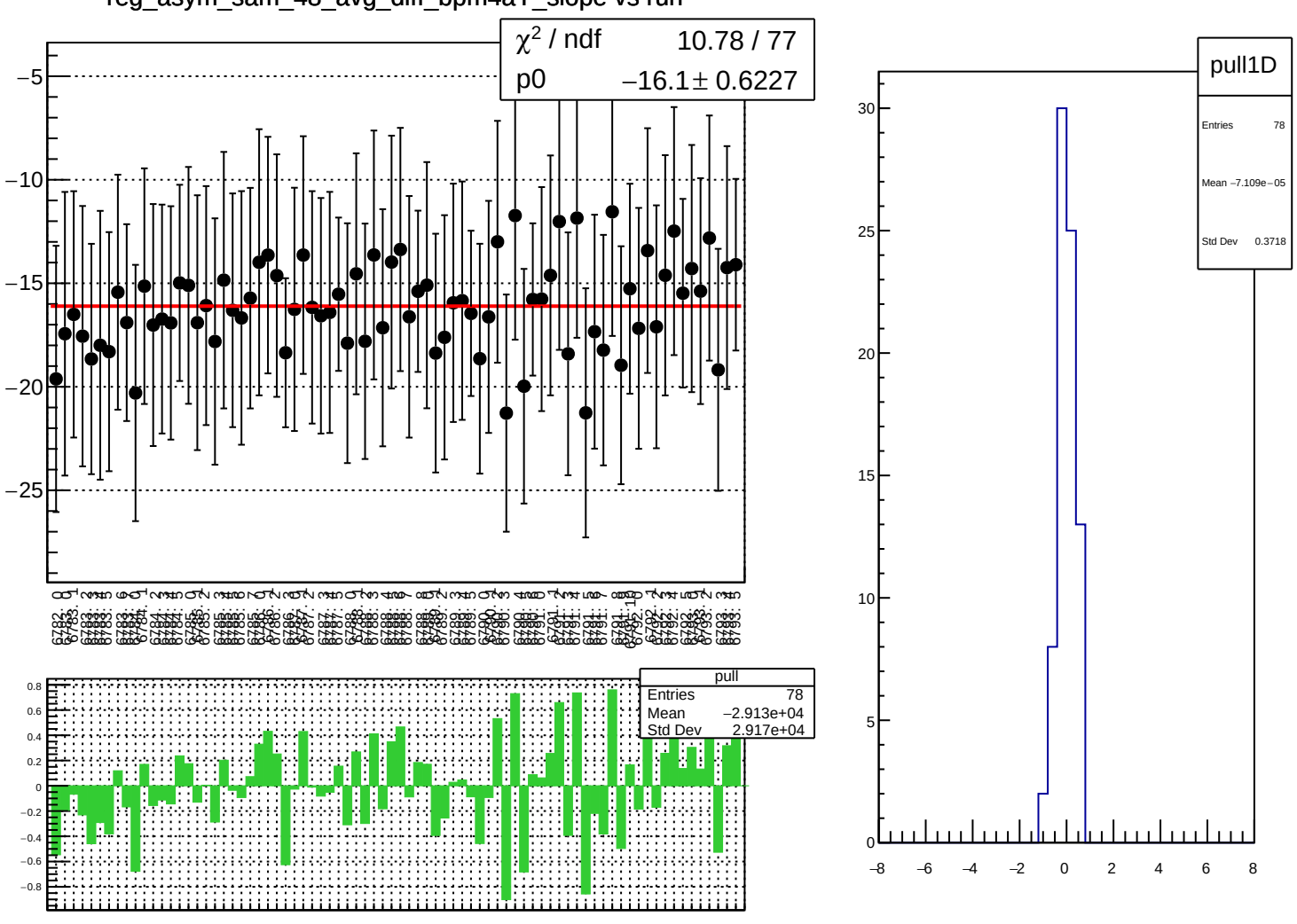

pull1D
Entries 78
Mean 0.0003357
Std Dev 0.2056

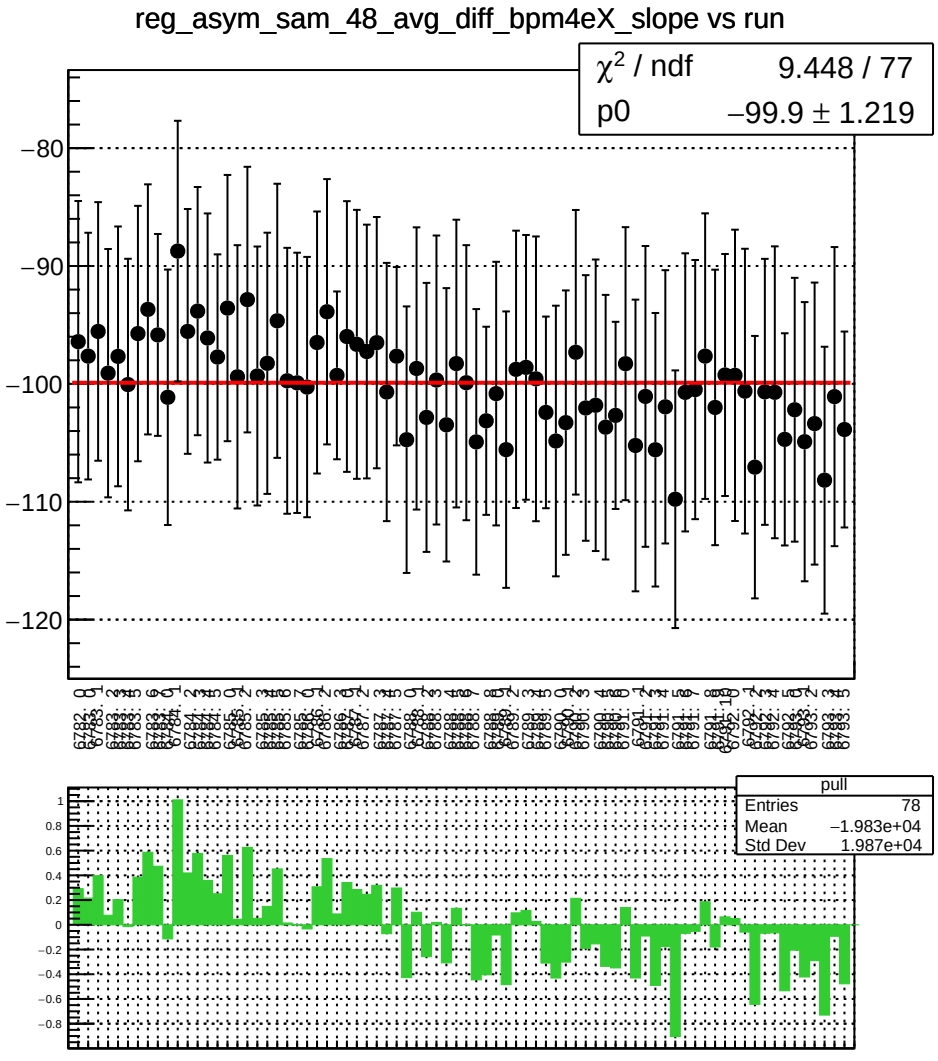

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 77
p0 −100 ± 1.395
pull
Entries 78
Mean 624.6
Std Dev 583.6

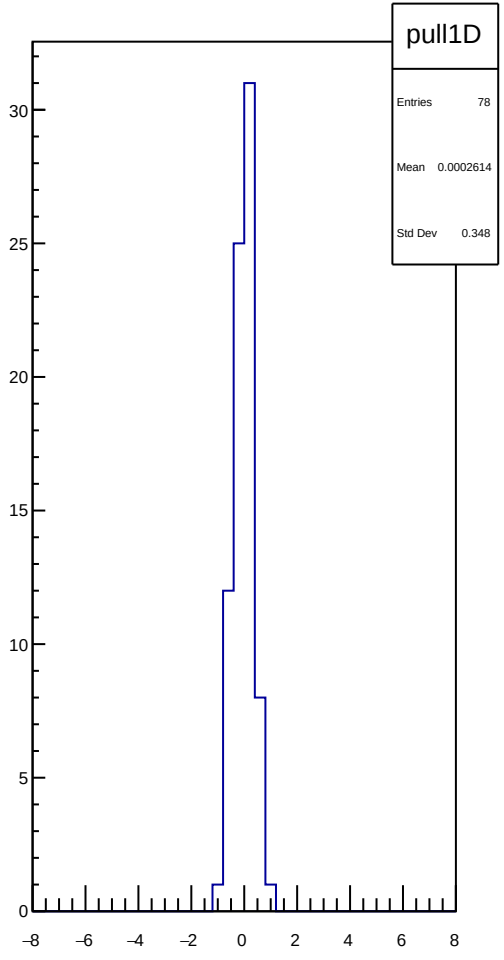

pull1D
Entries 78
Mean 0.006312
Std Dev 0.3619

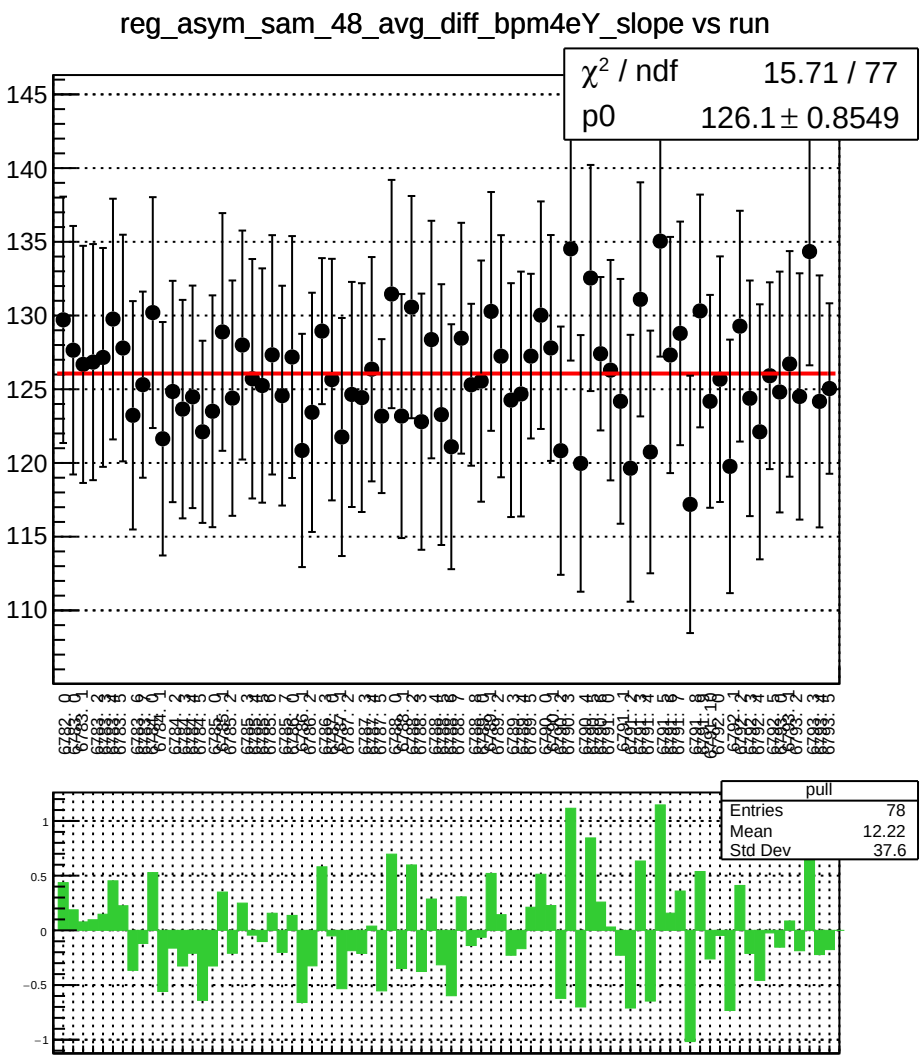

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.484 / 77
p0 1.212 ± 0.09335
pull
Entries 78
Mean −127.2
Std Dev 175.2
pull1D
Entries 78
Mean 0.003143
Std Dev 0.3298

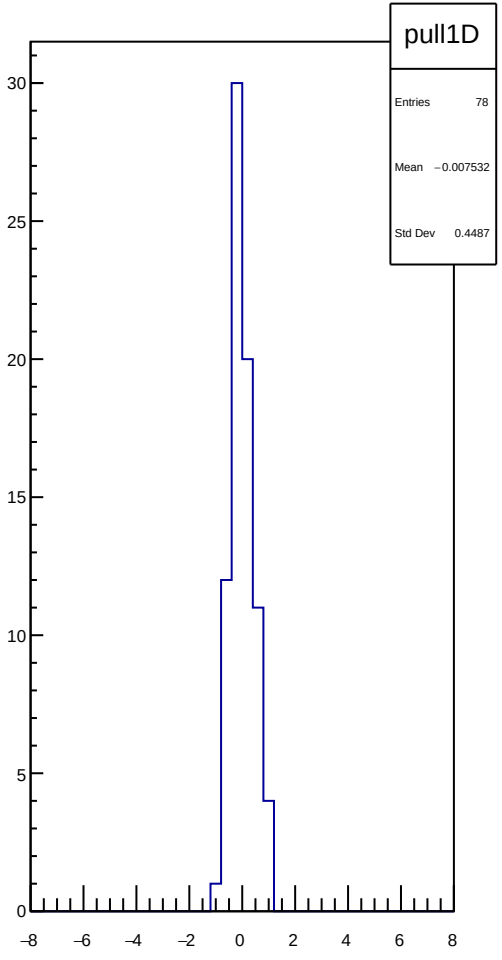

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.018 / 77
p0 −4.007 ± 1.305
pull
Entries 78
Mean −1891
Std Dev 1929
pull1D
Entries 78
Mean −0.001855
Std Dev 0.2536

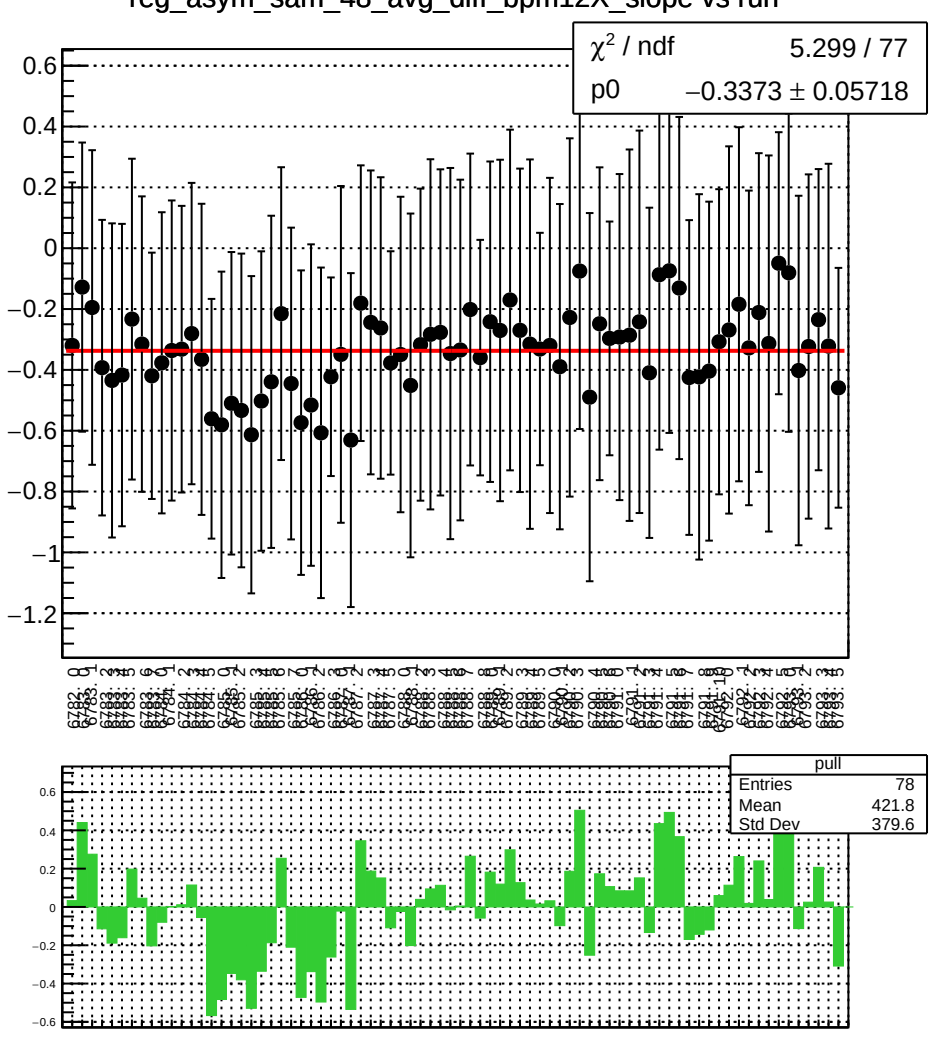

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.78 / 77
p0 −16.1 ± 0.6227
pull
Entries 78
Mean −2.913e+04
Std Dev 2.917e+04
pull1D
Entries 78
Mean −7.109e−05
Std Dev 0.3718

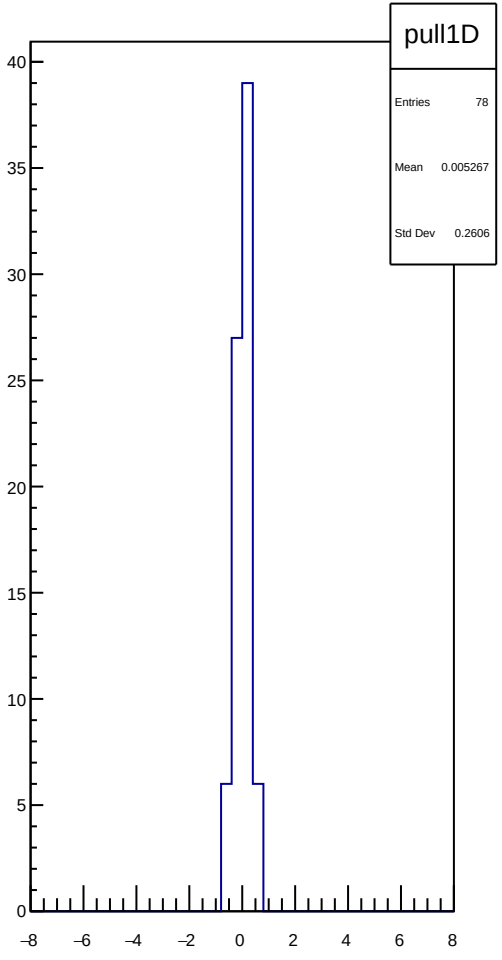

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.448 / 77
p0 −99.9 ± 1.219
−80
−90
−100
−110
−120
pull
Entries 78
Mean −1.983e+04
Std Dev 1.987e+04
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

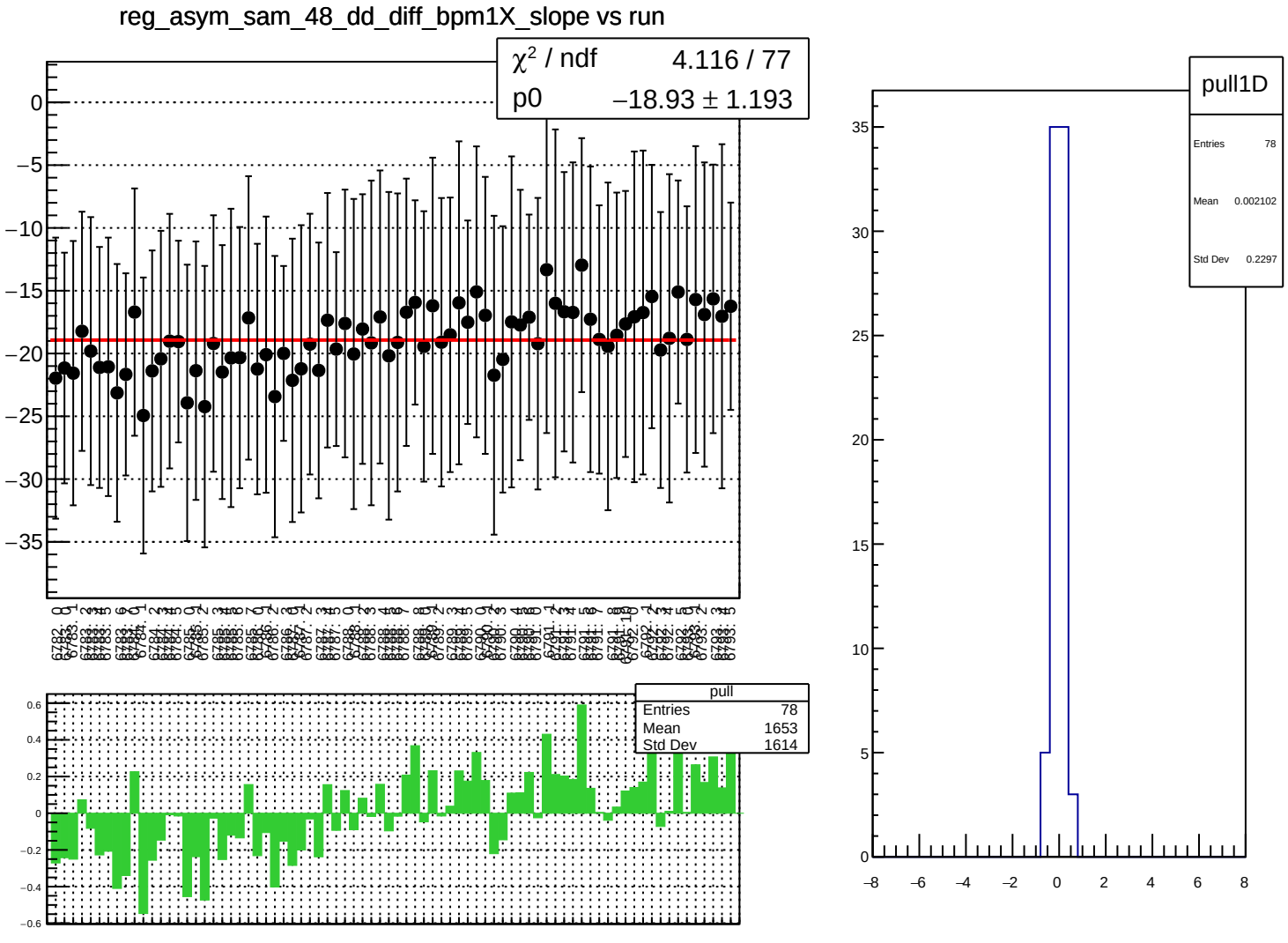

pull1D
Entries 78
Mean 0.0002614
Std Dev 0.348
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

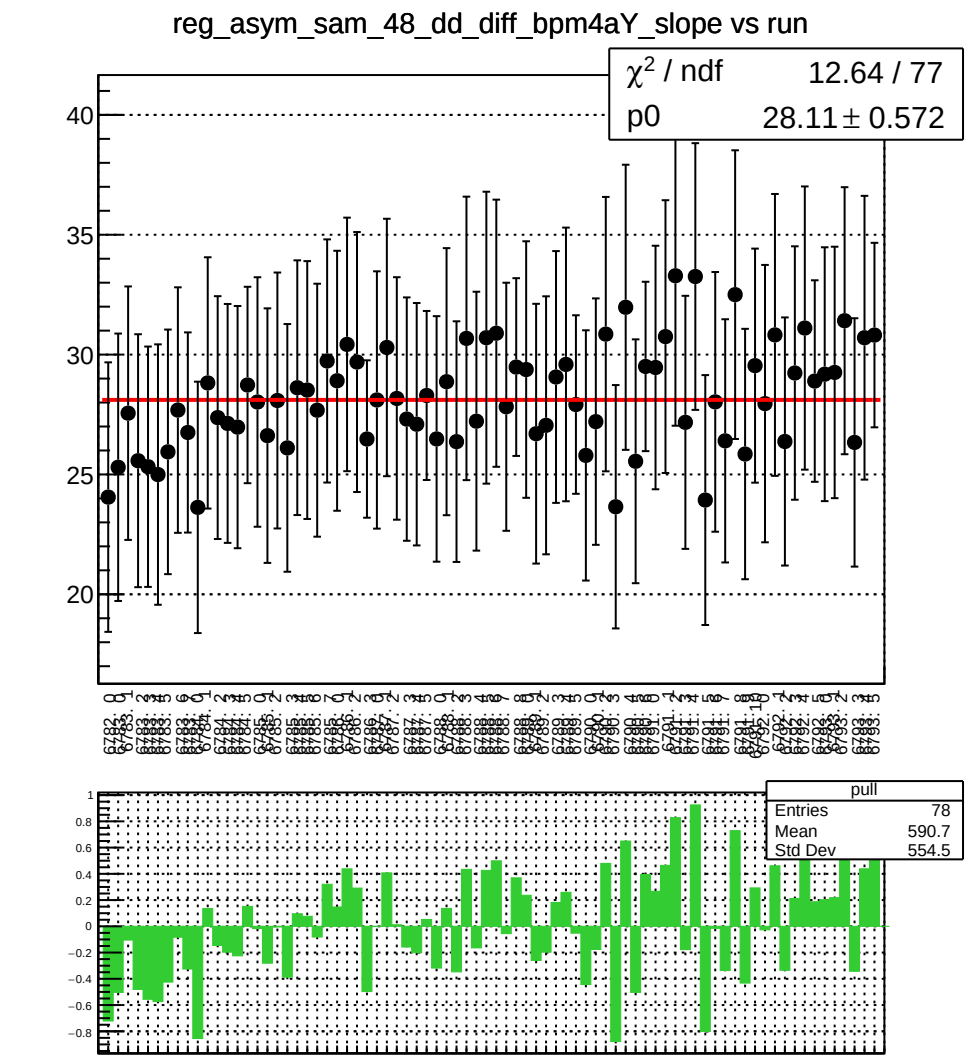

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.71 / 77
p0 126.1 ± 0.8549
pull
Entries 78
Mean 12.22
Std Dev 37.6

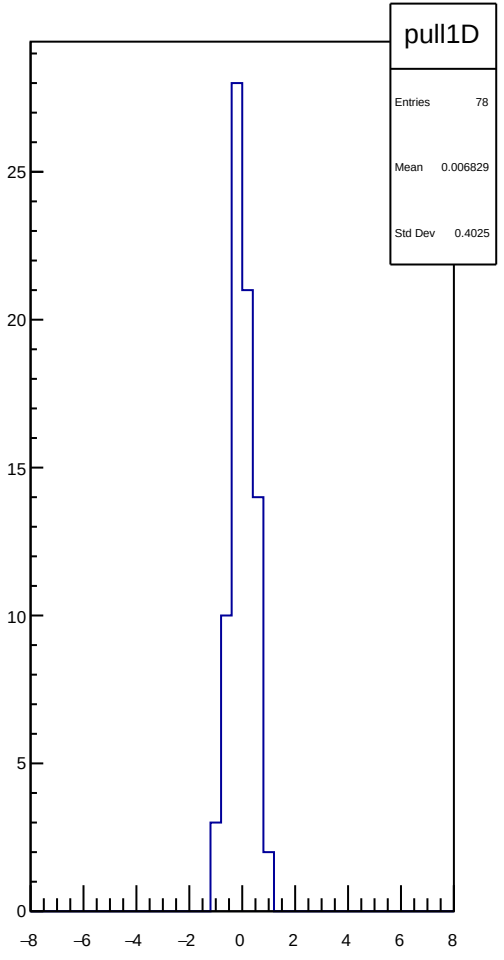

pull1D
Entries 78
Mean −0.007532
Std Dev 0.4487

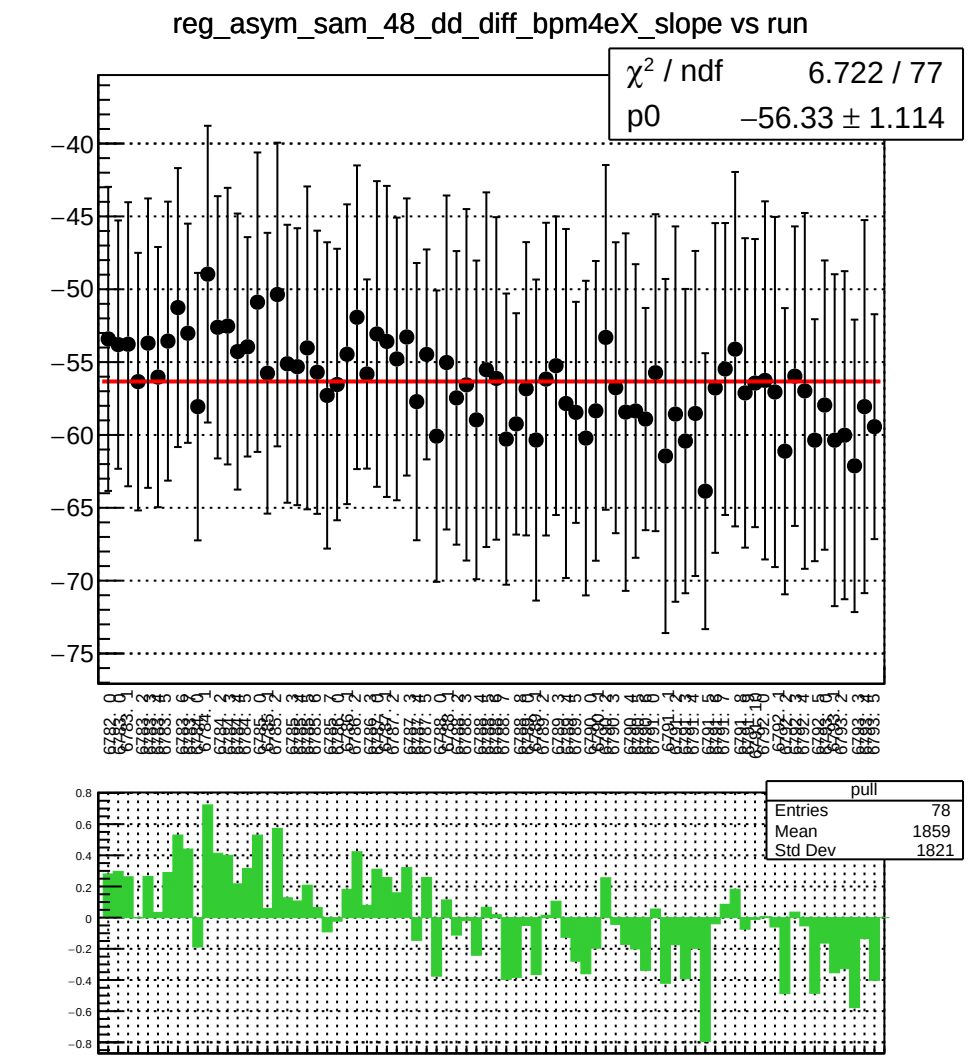

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.299 / 77
p0 −0.3373 ± 0.05718
pull
Entries 78
Mean 421.8
Std Dev 379.6

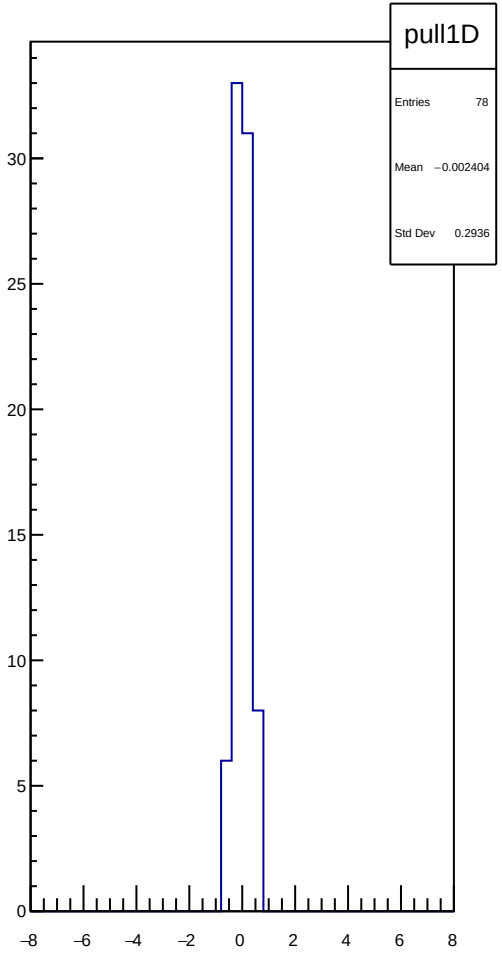

pull1D
Entries 78
Mean 0.005267
Std Dev 0.2606

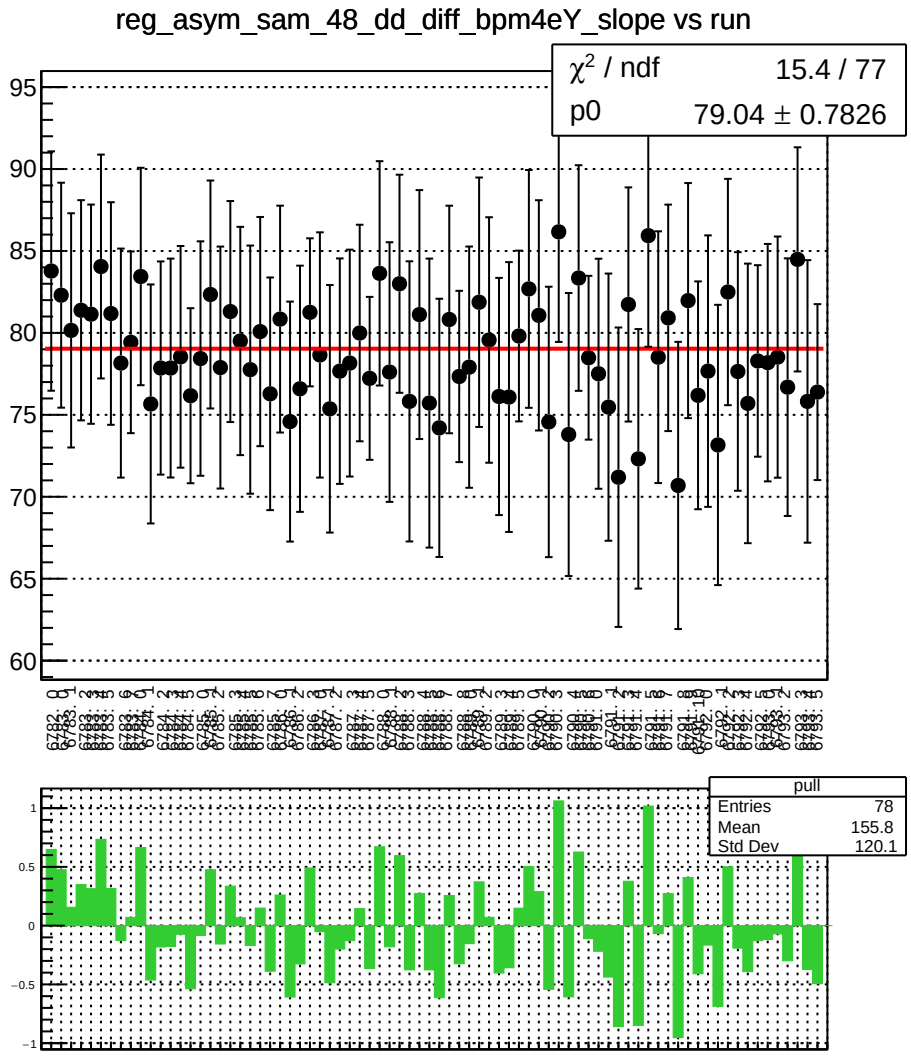

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.116 / 77
p0 −18.93 ± 1.193
pull
Entries 78
Mean 1653
Std Dev 1614
pull1D
Entries 78
Mean 0.002102
Std Dev 0.2297

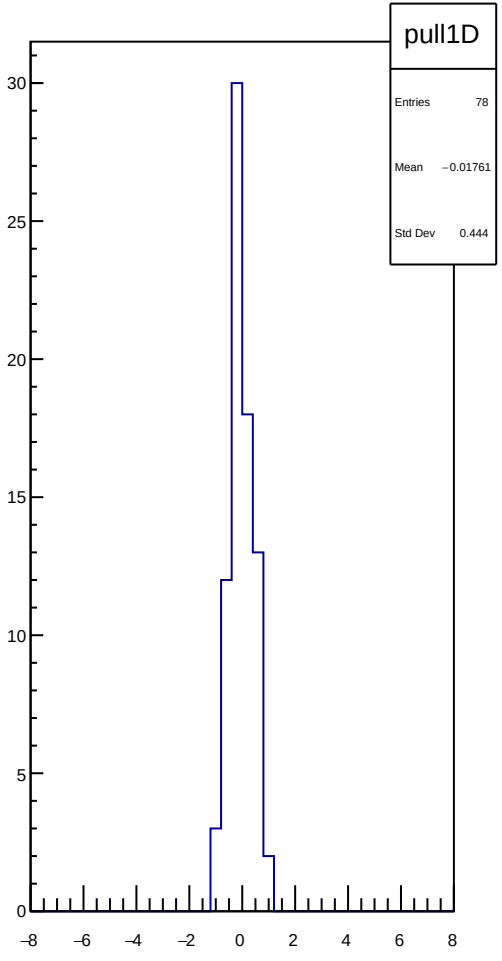

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 77
p0 28.11 ± 0.572
pull
Entries 78
Mean 590.7
Std Dev 554.5

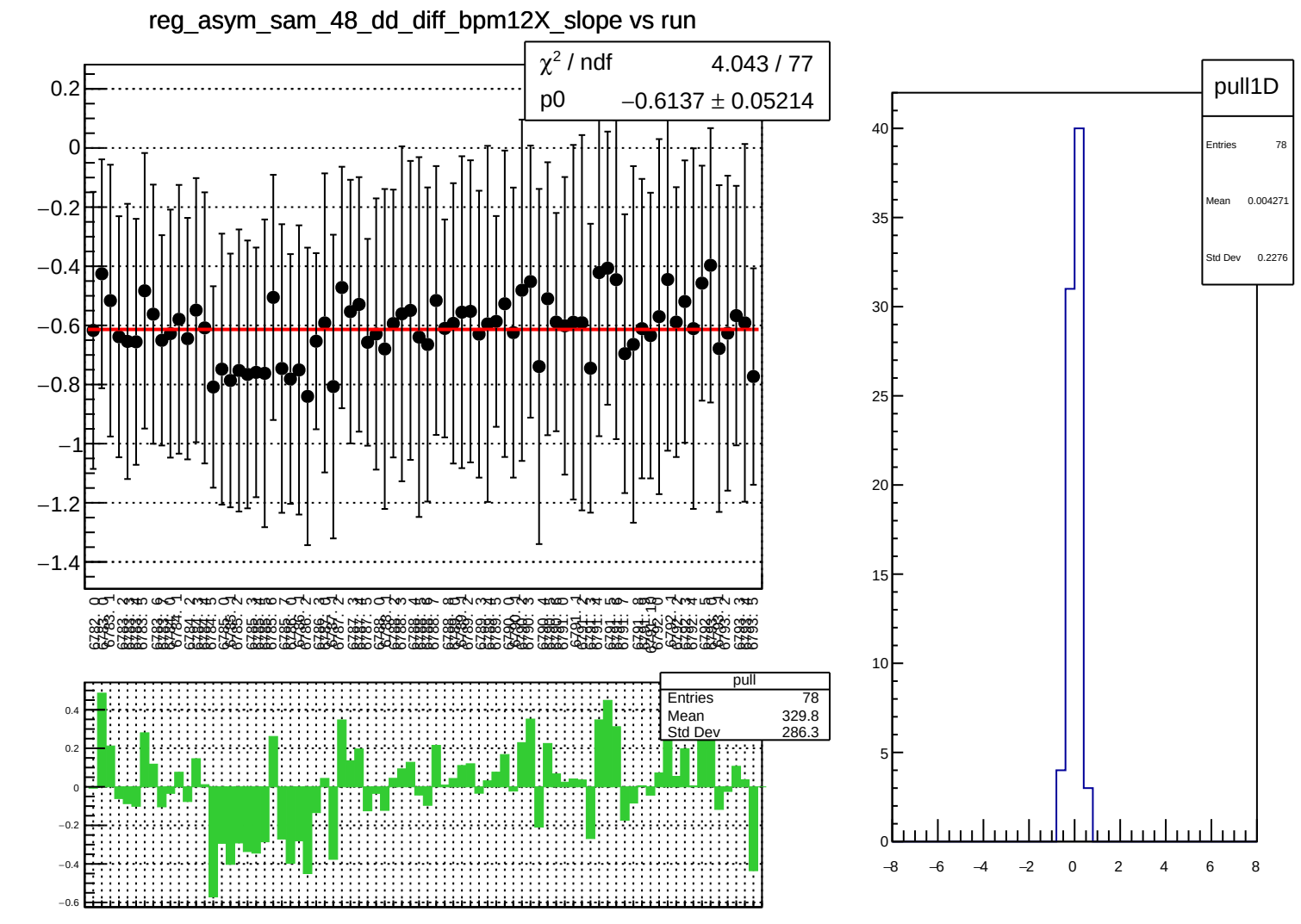

pull1D
Entries 78
Mean 0.006829
Std Dev 0.4025

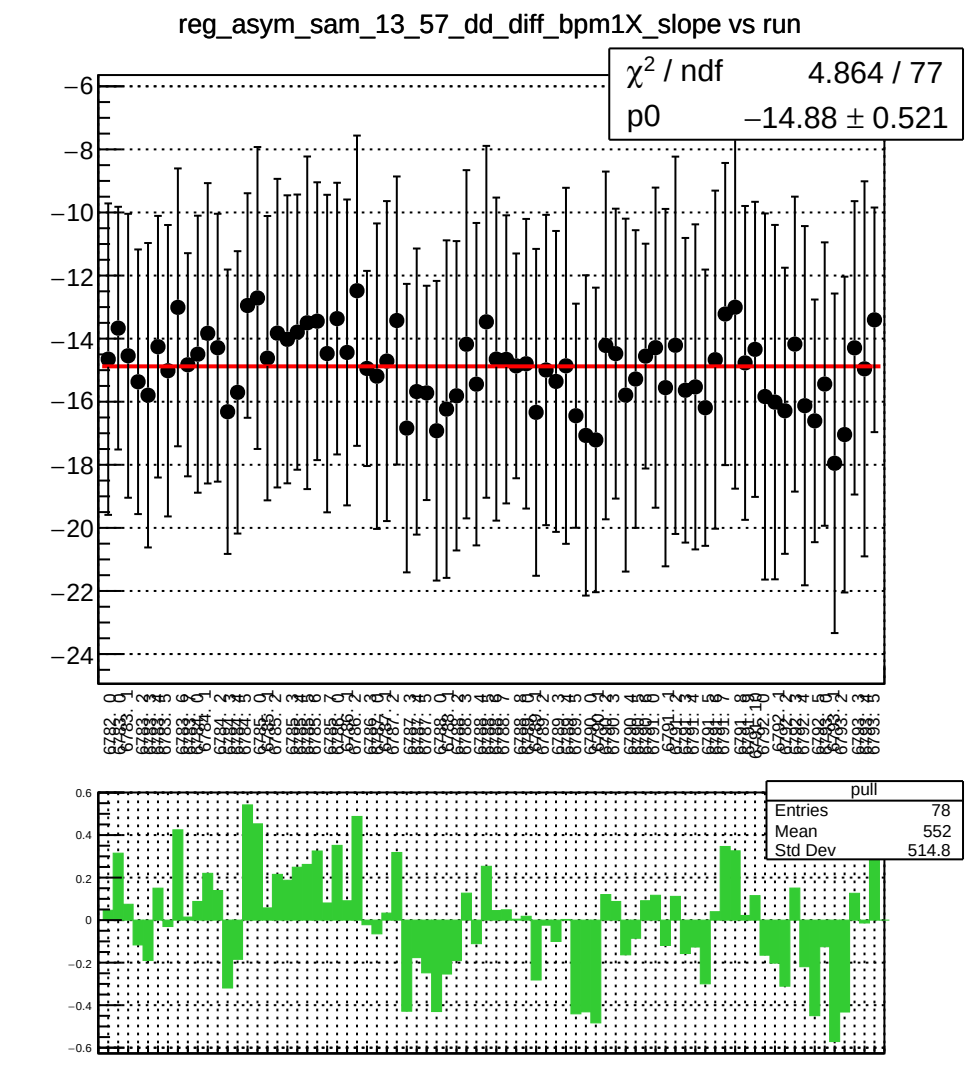

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.722 / 77
p0 −56.33 ± 1.114
pull
Entries 78
Mean 1859
Std Dev 1821

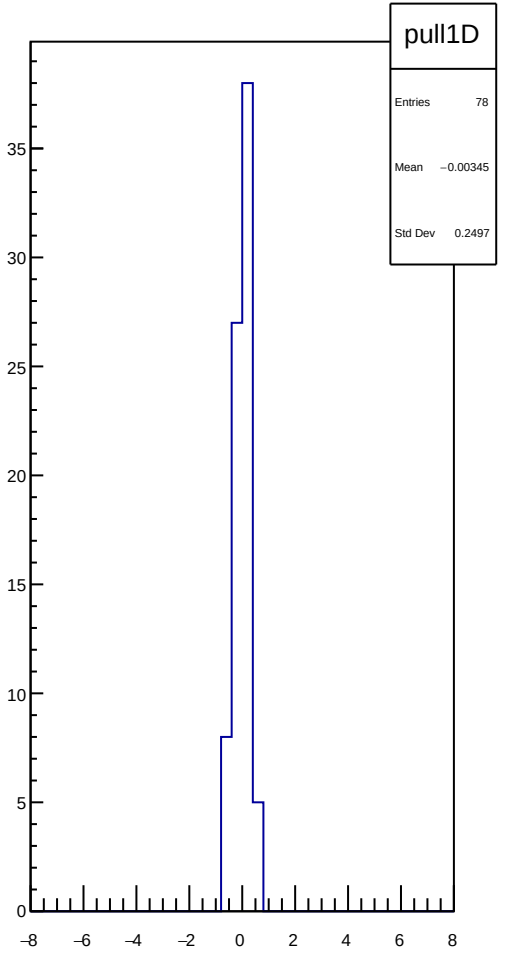

pull1D
Entries 78
Mean −0.002404
Std Dev 0.2936

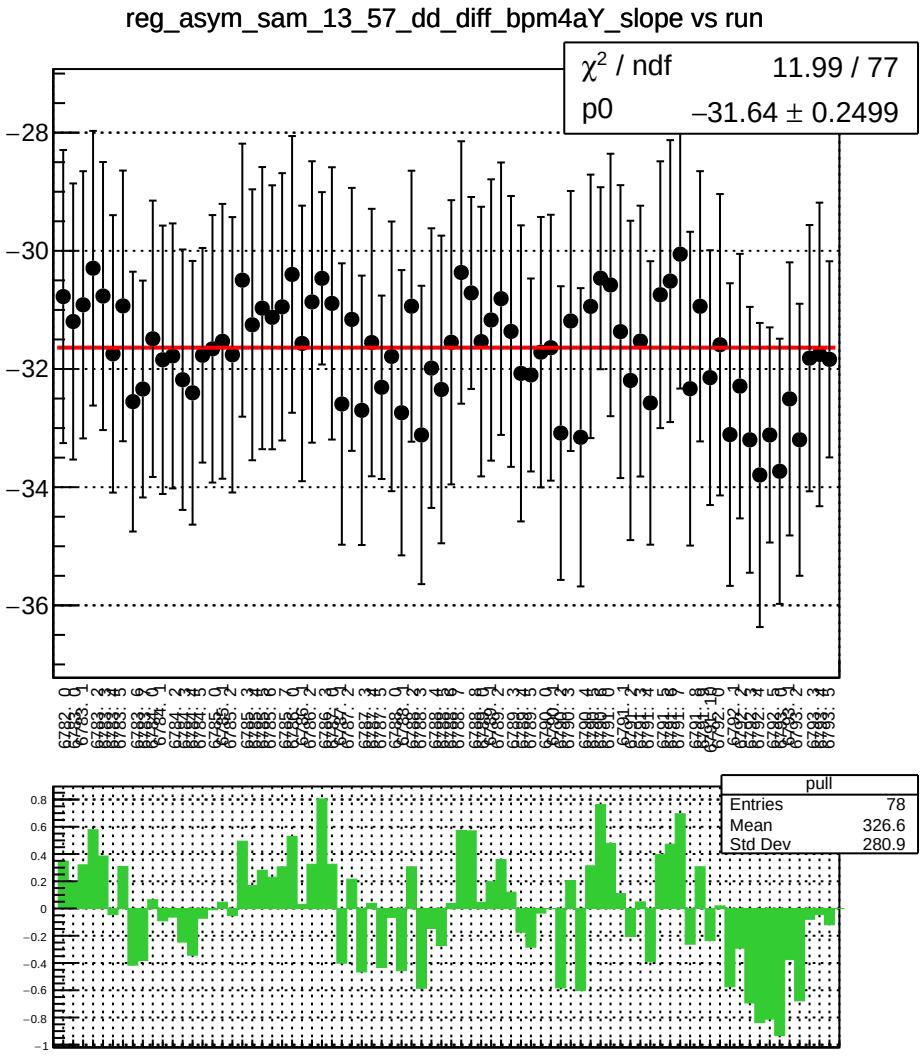

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 77
p0 79.04 ± 0.7826
pull
Entries 78
Mean 155.8
Std Dev 120.1

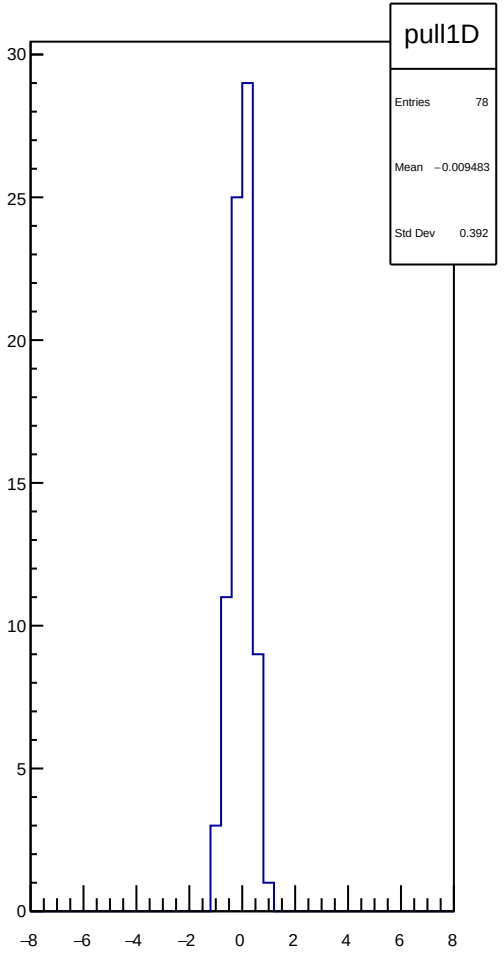

pull1D
Entries 78
Mean −0.01761
Std Dev 0.444

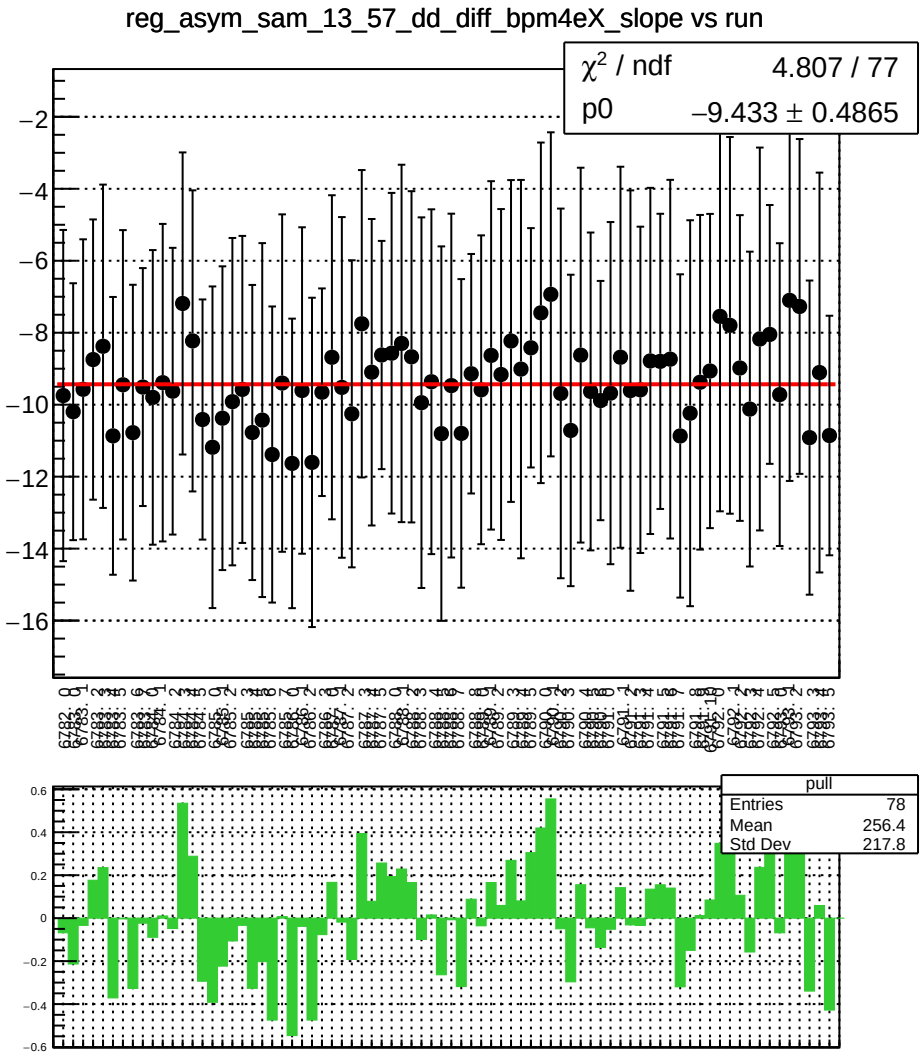

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.043 / 77
p0 −0.6137 ± 0.05214
pull
Entries 78
Mean 329.8
Std Dev 286.3
pull1D
Entries 78
Mean 0.004271
Std Dev 0.2276

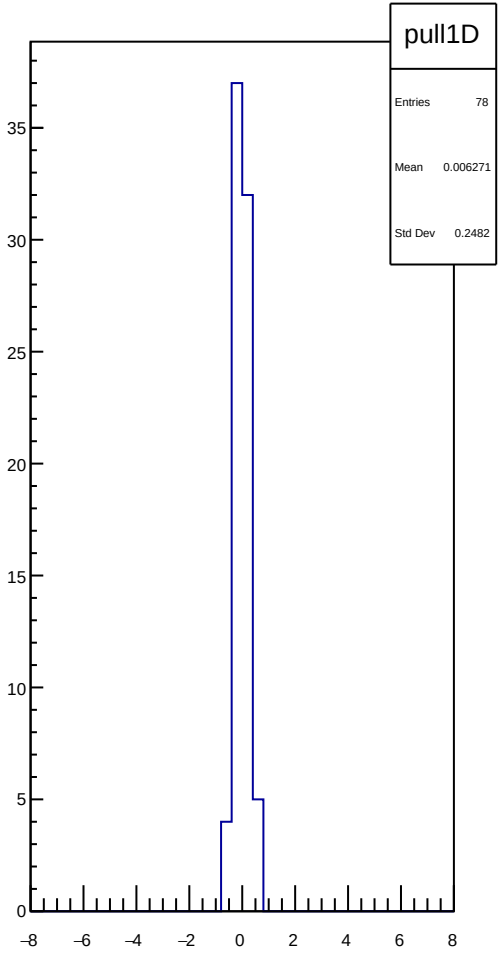

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 4.864 / 77
p0 −14.88 ± 0.521
pull
Entries 78
Mean 552
Std Dev 514.8

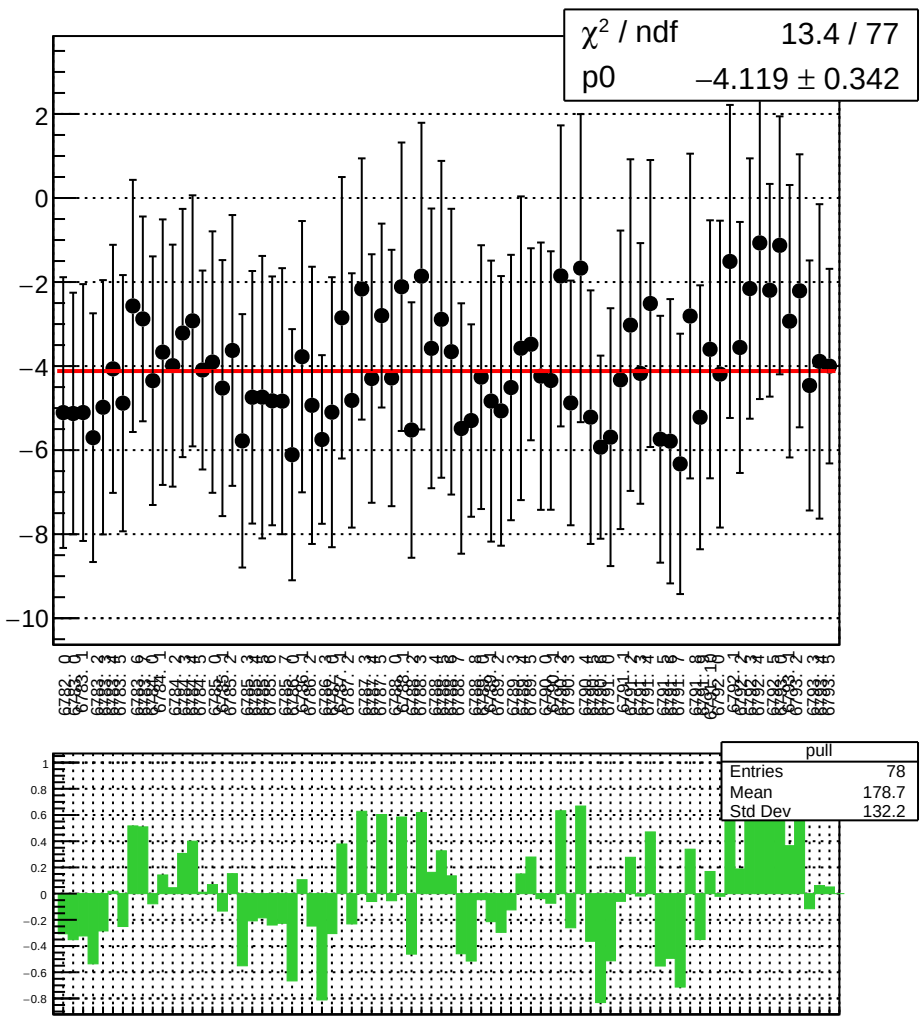

pull1D
Entries 78
Mean −0.00345
Std Dev 0.2497

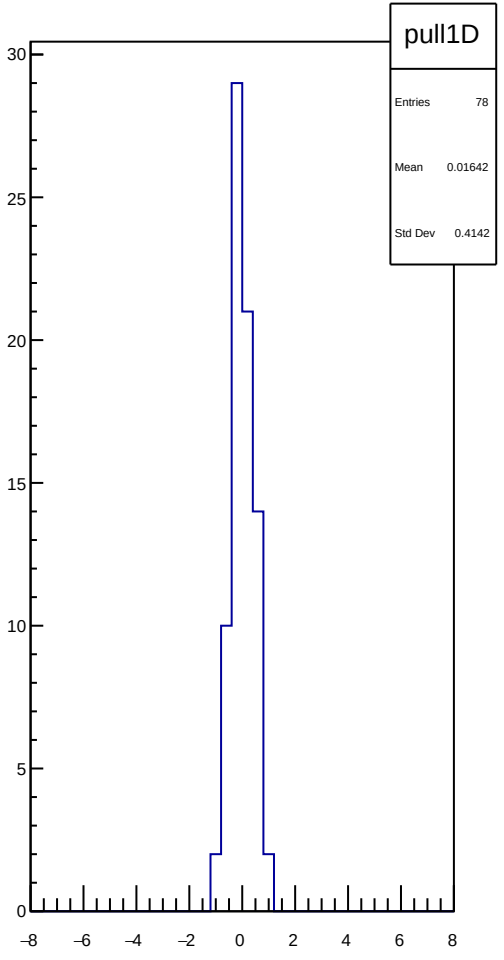

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.99 / 77
p0 −31.64 ± 0.2499
pull
Entries 78
Mean 326.6
Std Dev 280.9

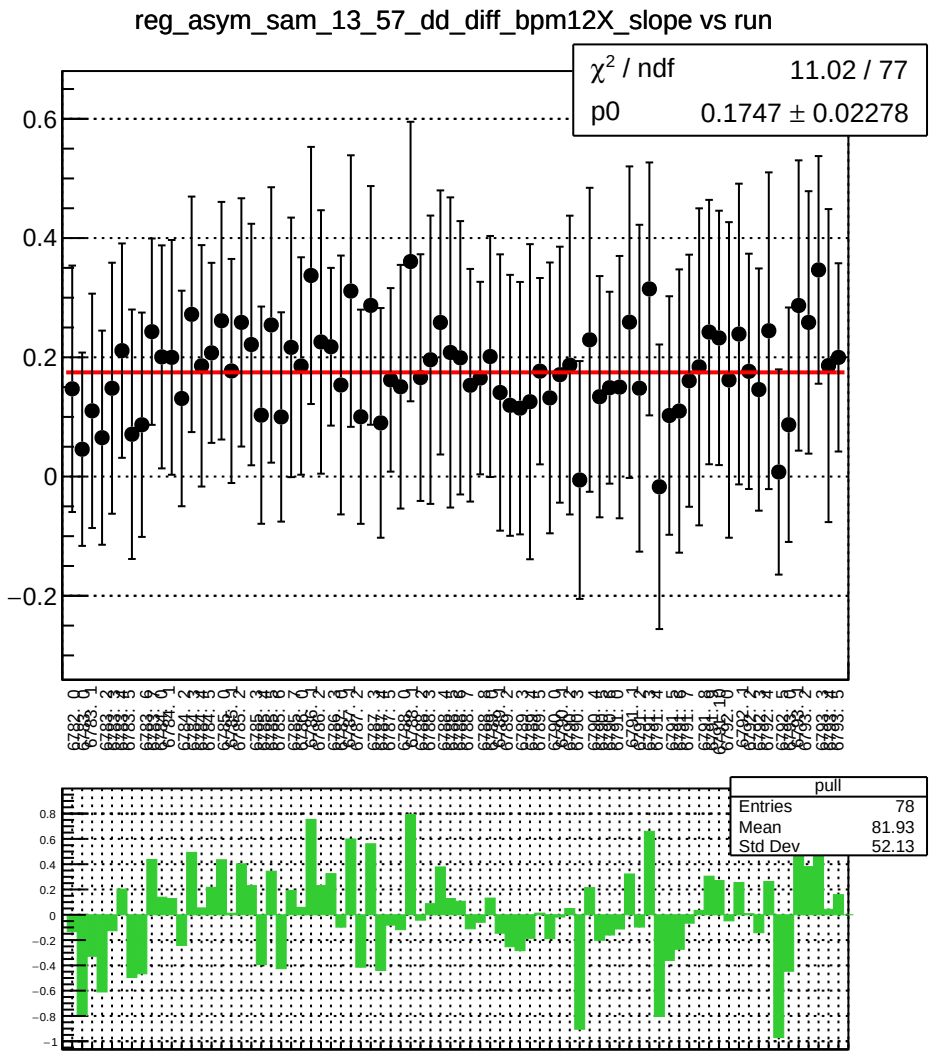

pull1D
Entries 78
Mean −0.009483
Std Dev 0.392

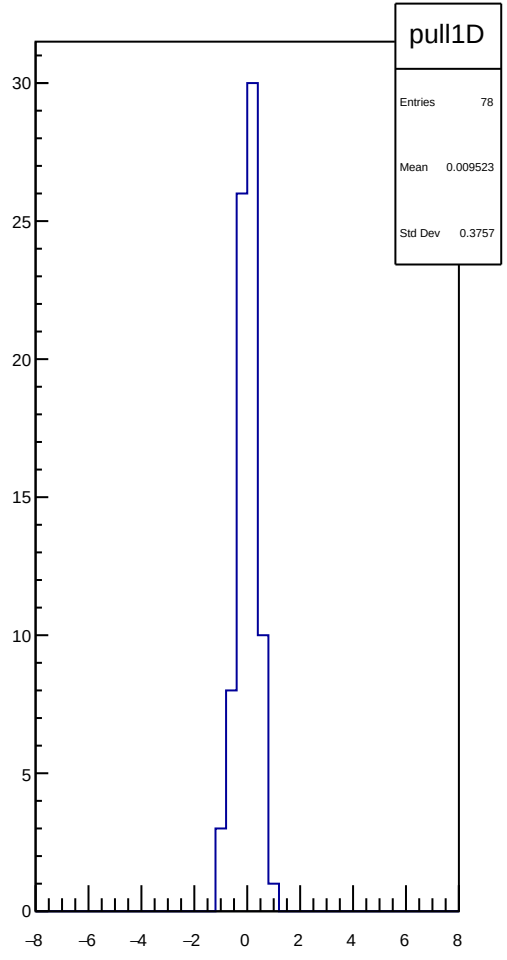

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.807 / 77
p0 −9.433 ± 0.4865
pull
Entries 78
Mean 256.4
Std Dev 217.8

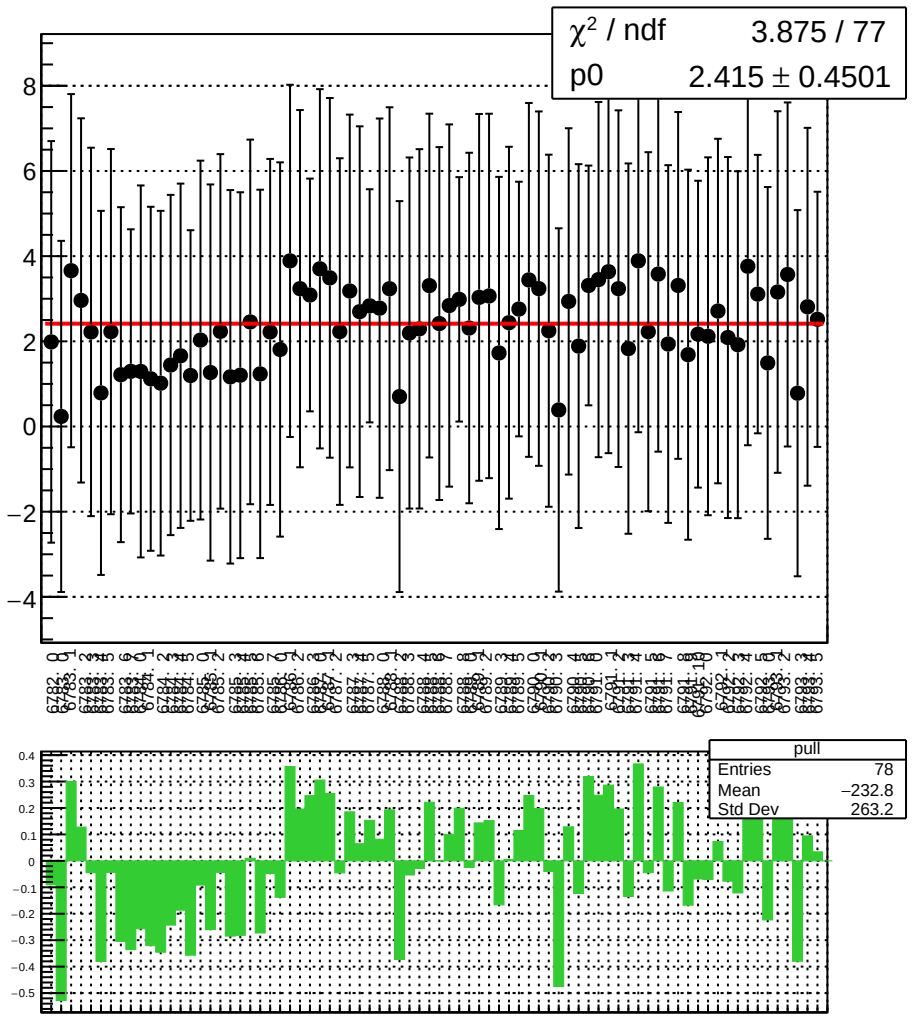

pull1D
Entries 78
Mean 0.006271
Std Dev 0.2482

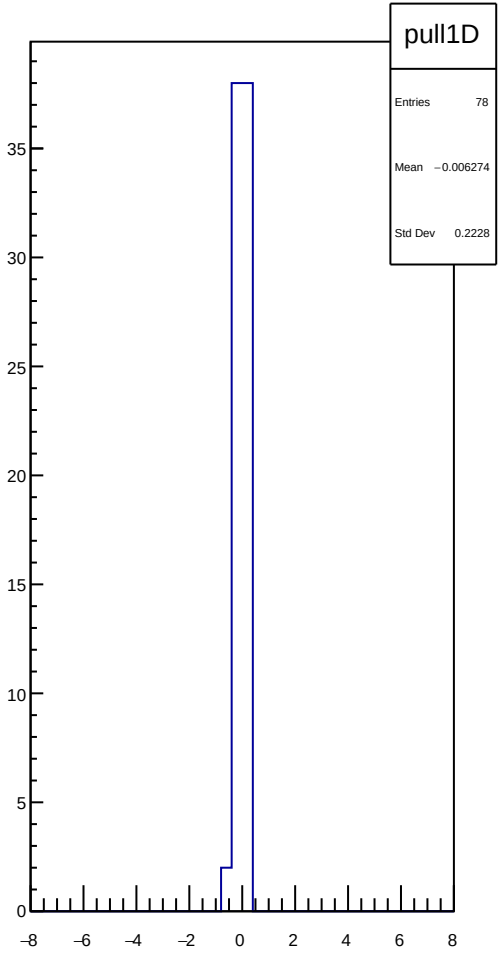

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.4 / 77
p0 −4.119 ± 0.342
pull
Entries 78
Mean 178.7
Std Dev 132.2

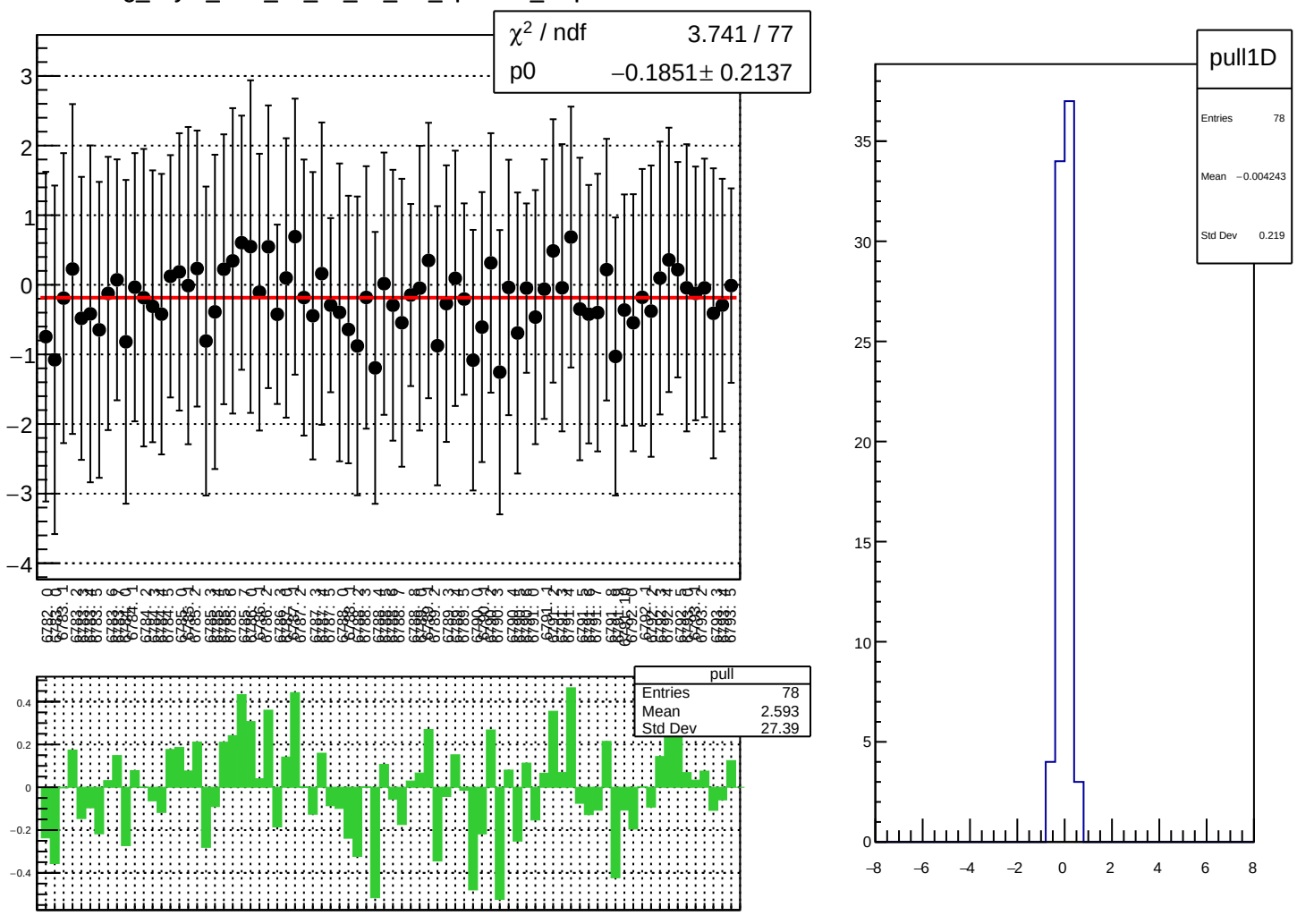

pull1D
Entries 78
Mean 0.01642
Std Dev 0.4142

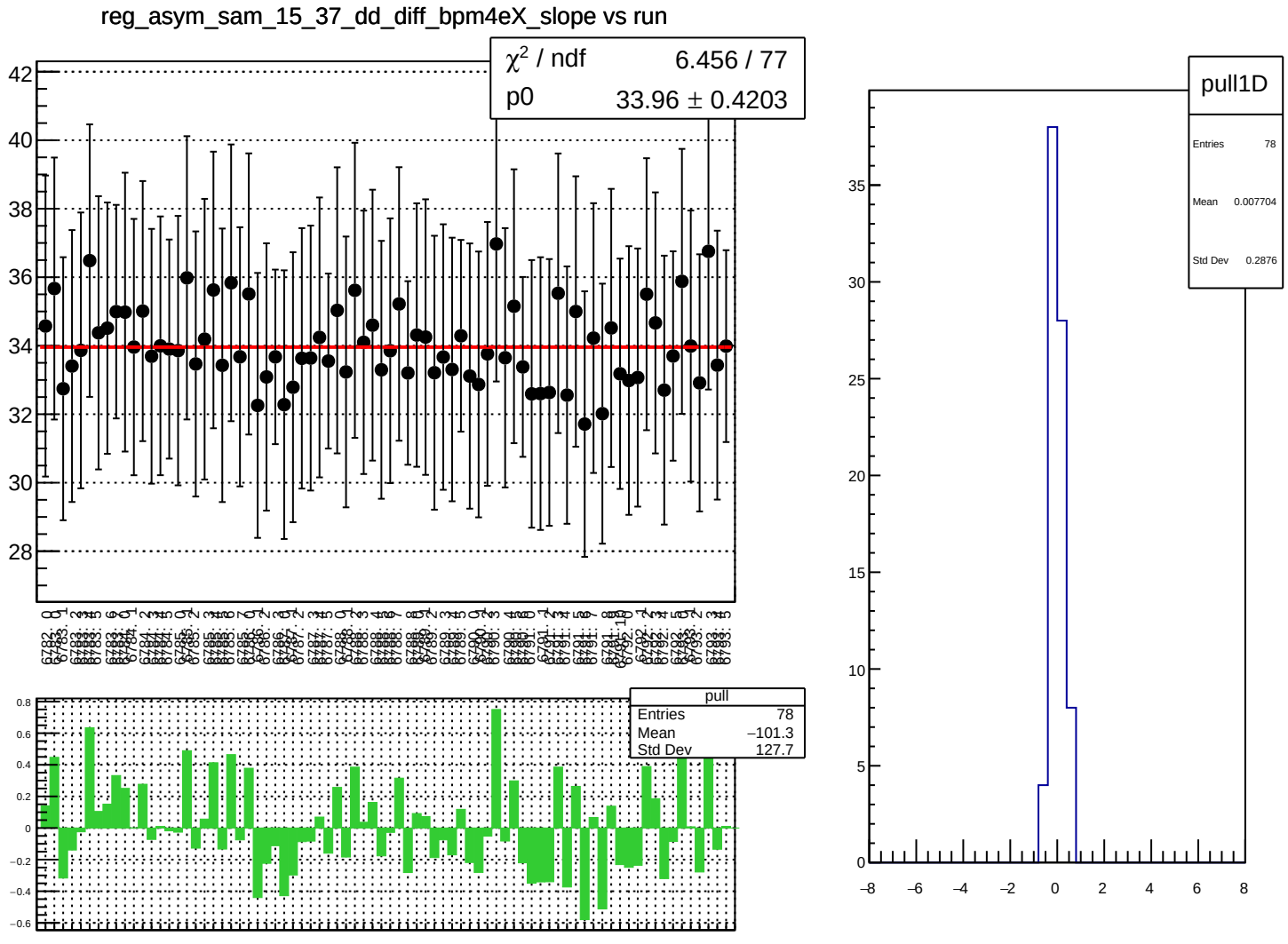

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 11.02 / 77
p0 0.1747 ± 0.02278
pull
Entries 78
Mean 81.93
Std Dev 52.13

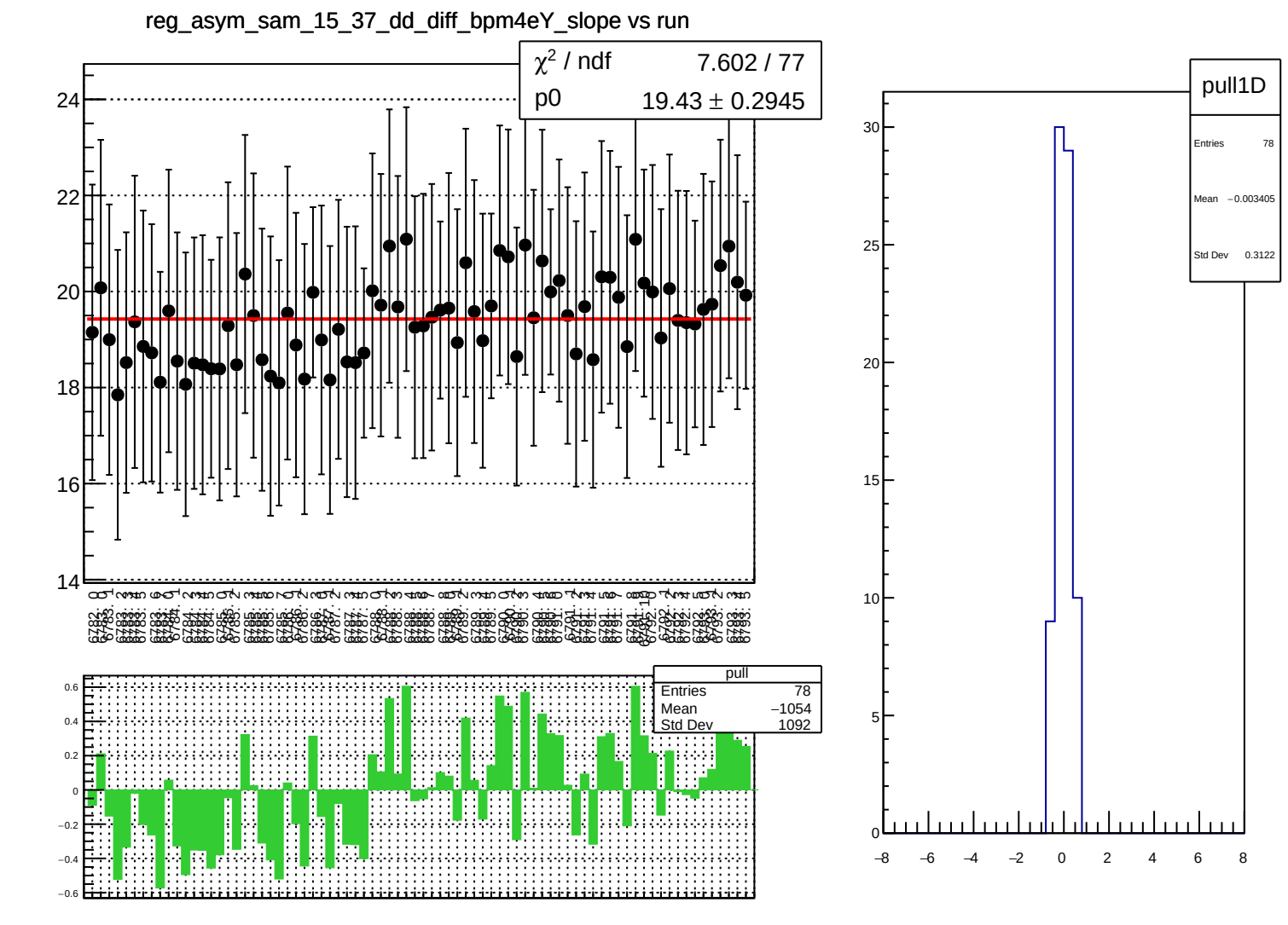

pull1D
Entries 78
Mean 0.009523
Std Dev 0.3757

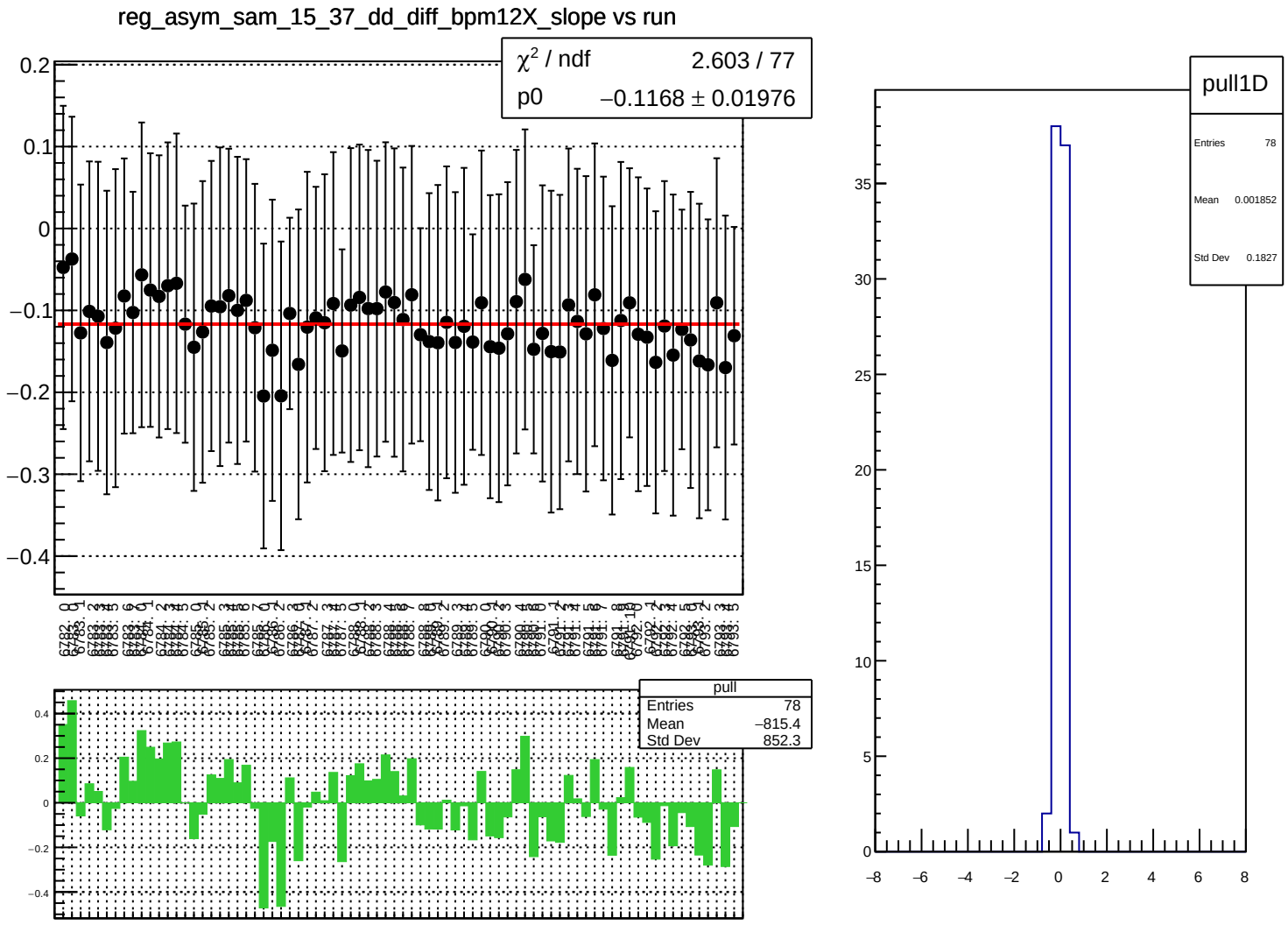

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.875 / 77
p0 2.415 ± 0.4501
pull
Entries 78
Mean −232.8
Std Dev 263.2

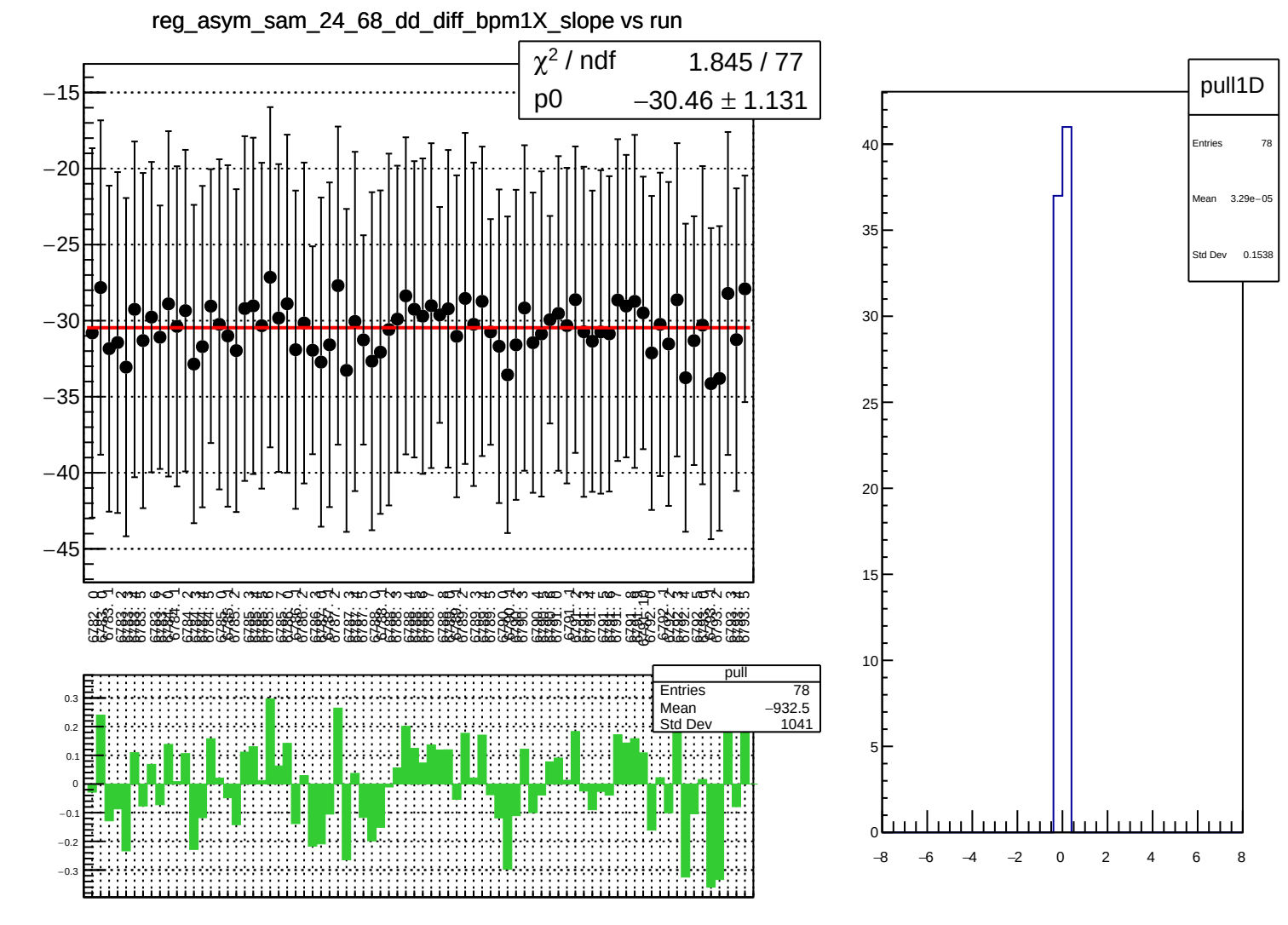

pull1D
Entries 78
Mean −0.006274
Std Dev 0.2228

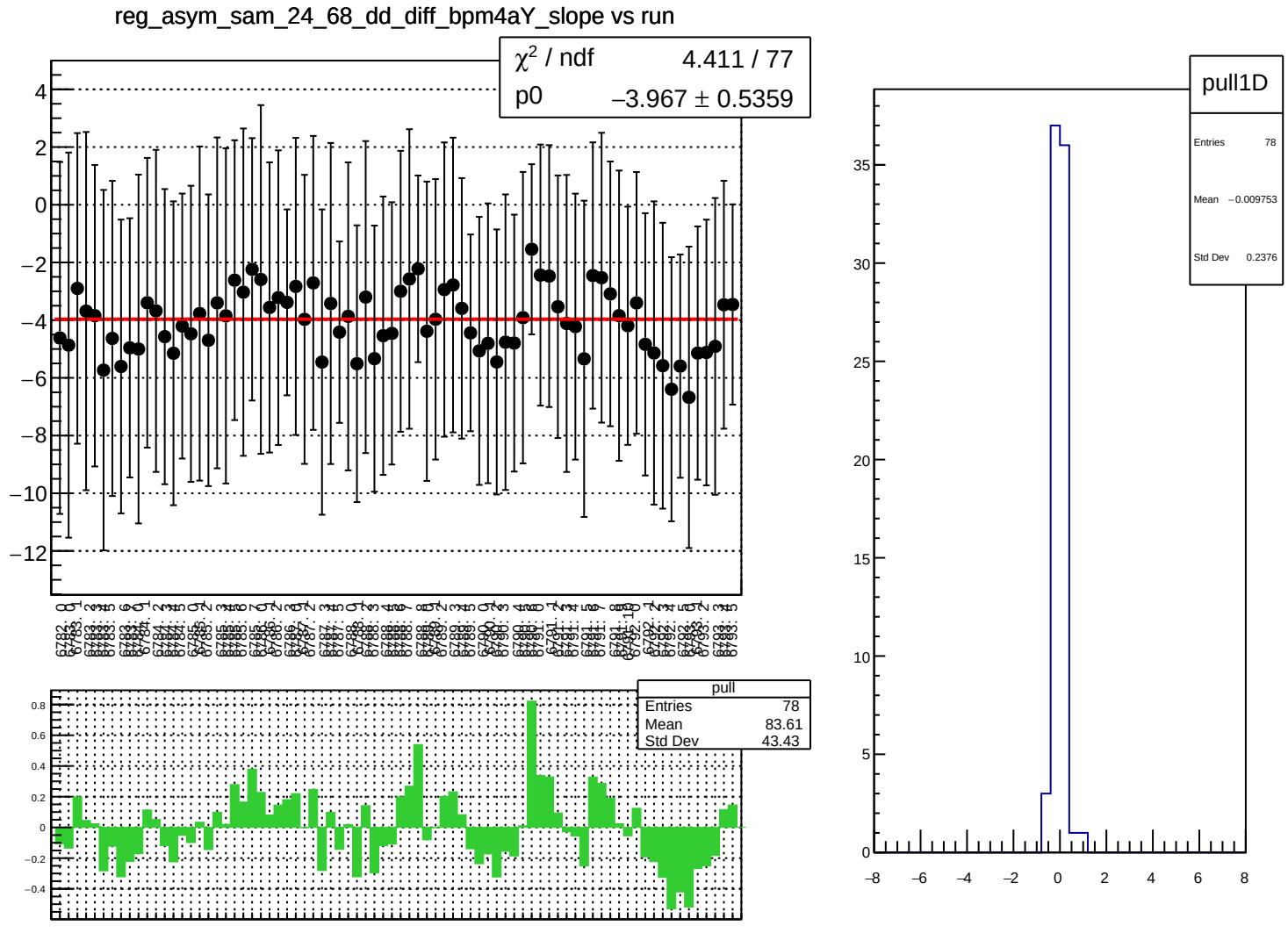

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.741 / 77
p0 −0.1851± 0.2137
pull
Entries 78
Mean 2.593
Std Dev 27.39
pull1D
Entries 78
Mean −0.004243
Std Dev 0.219

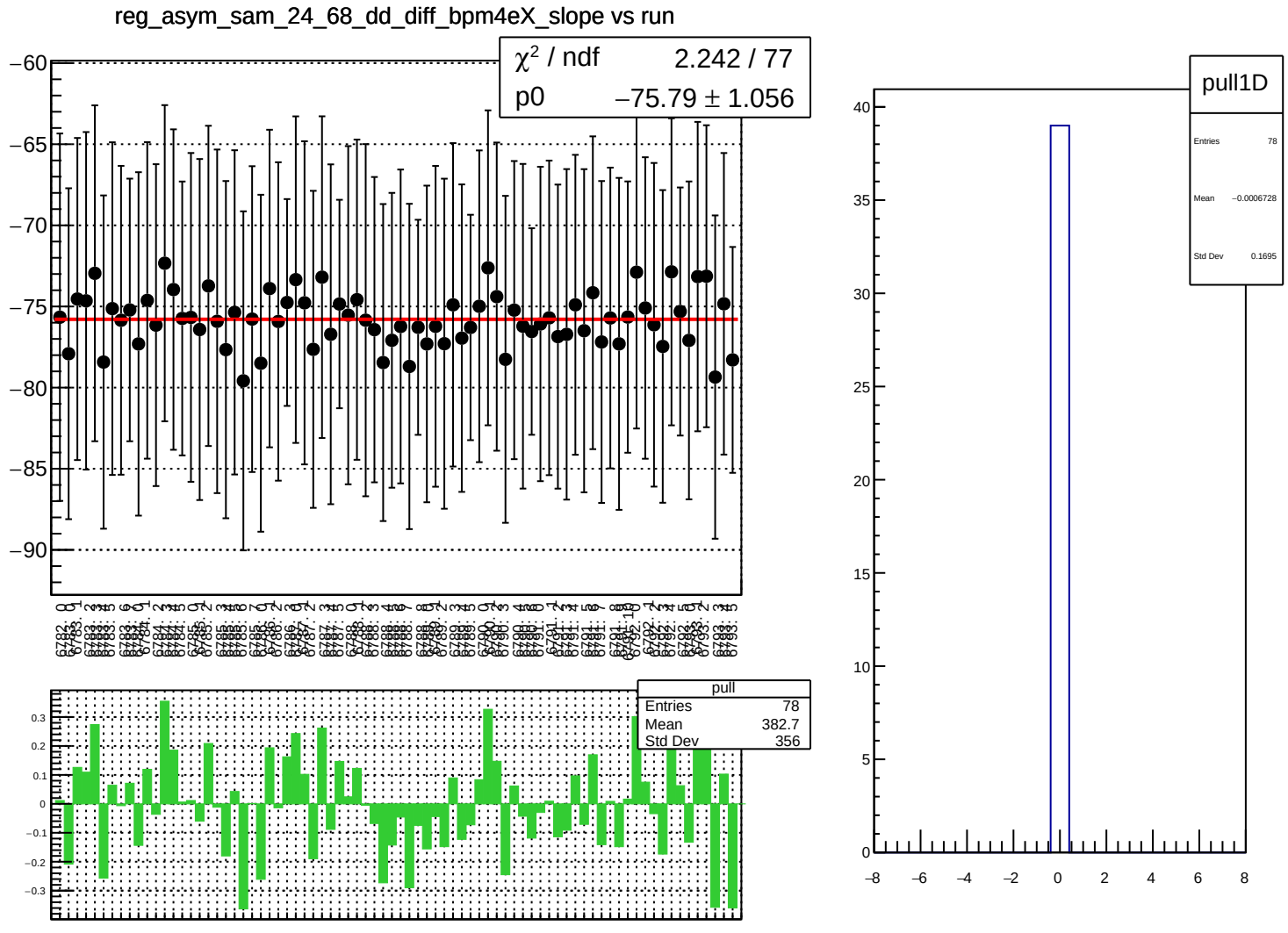

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.456 / 77
p0 33.96 ± 0.4203
pull
Entries 78
Mean −101.3
Std Dev 127.7
pull1D
Entries 78
Mean 0.007704
Std Dev 0.2876

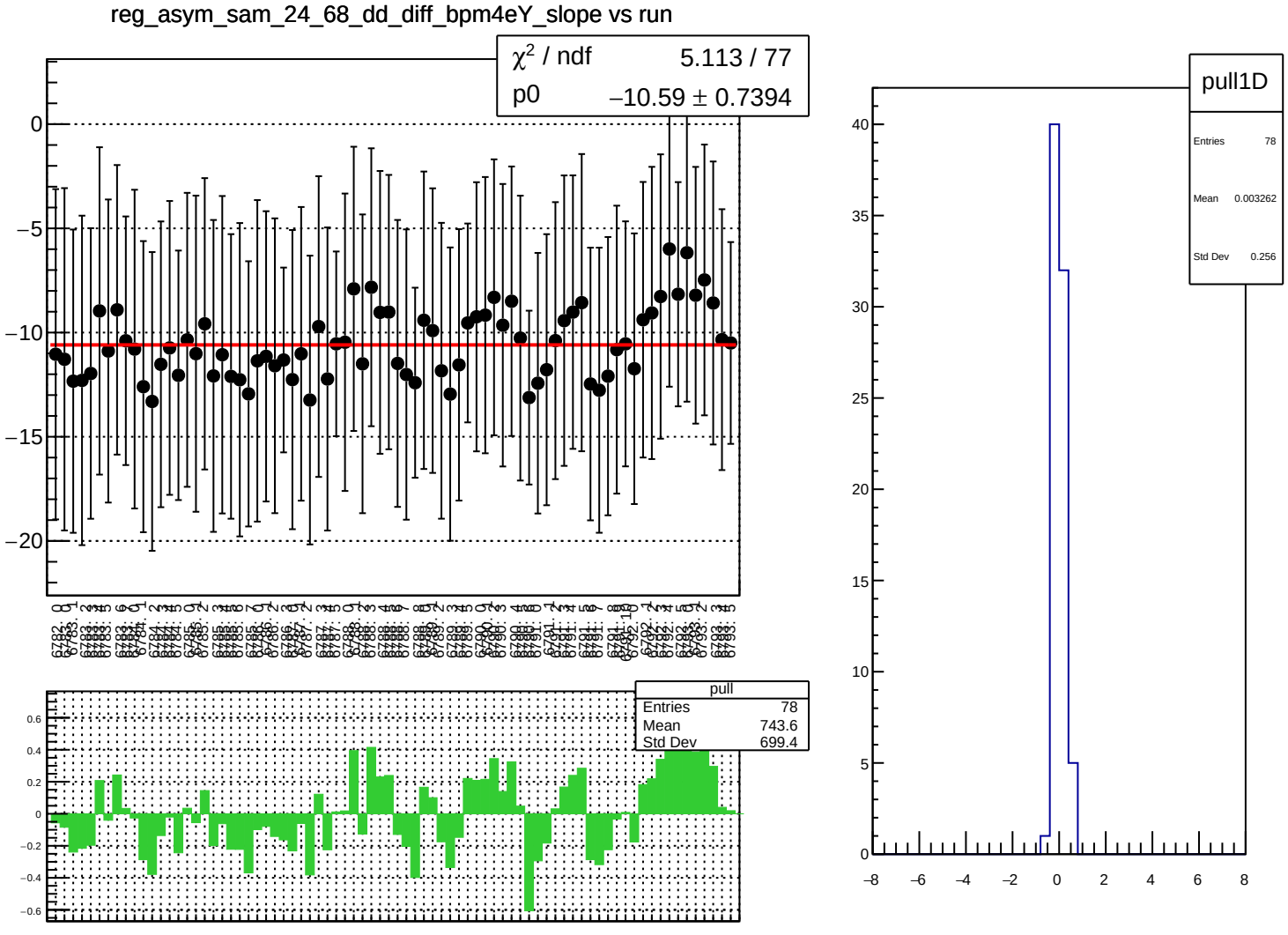

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.602 / 77
p0 19.43 ± 0.2945
pull
Entries 78
Mean −1054
Std Dev 1092
pull1D
Entries 78
Mean −0.003405
Std Dev 0.3122

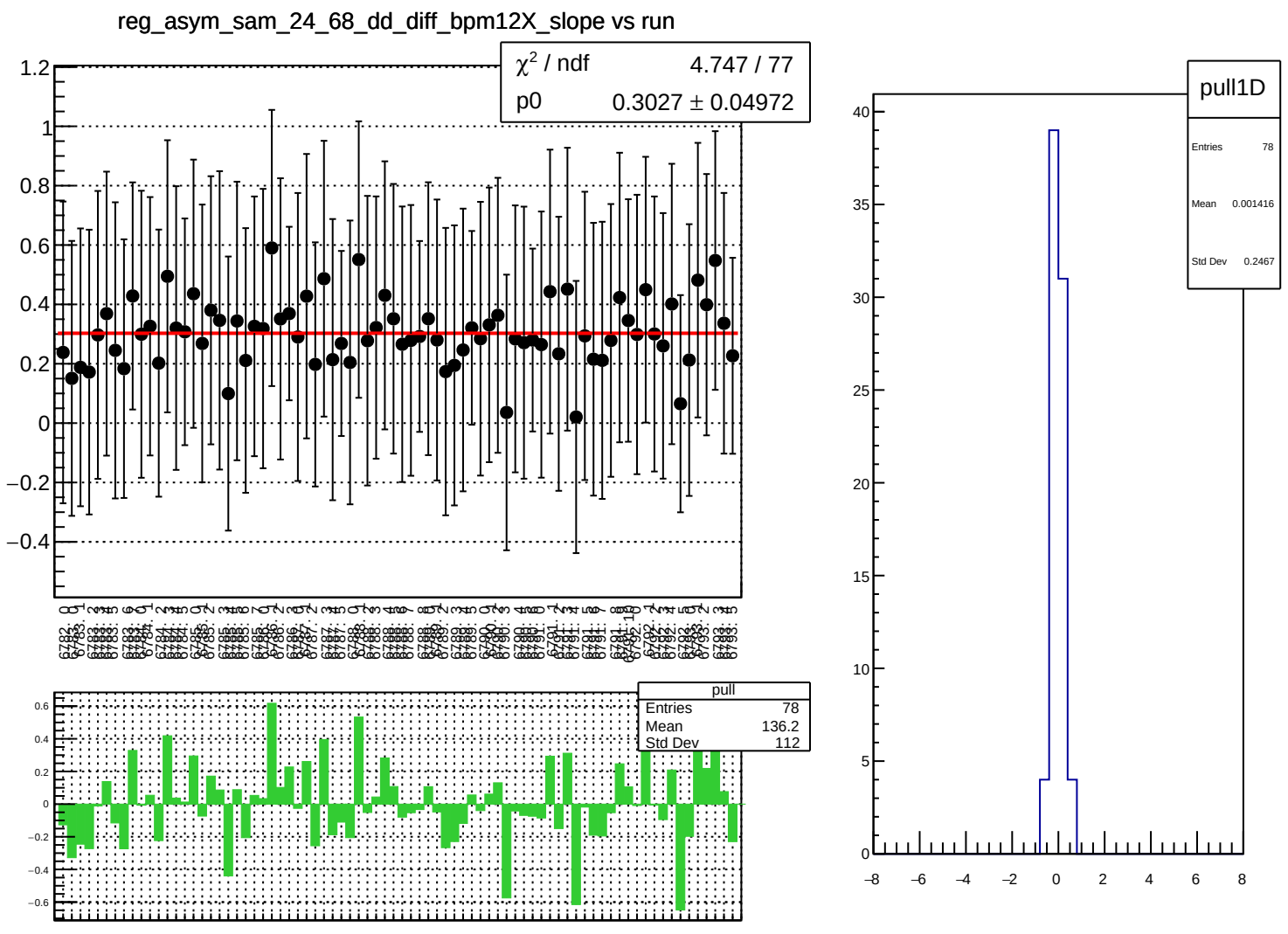

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.603 / 77
p0 −0.1168 ± 0.01976
pull
Entries 78
Mean −815.4
Std Dev 852.3
pull1D
Entries 78
Mean 0.001852
Std Dev 0.1827

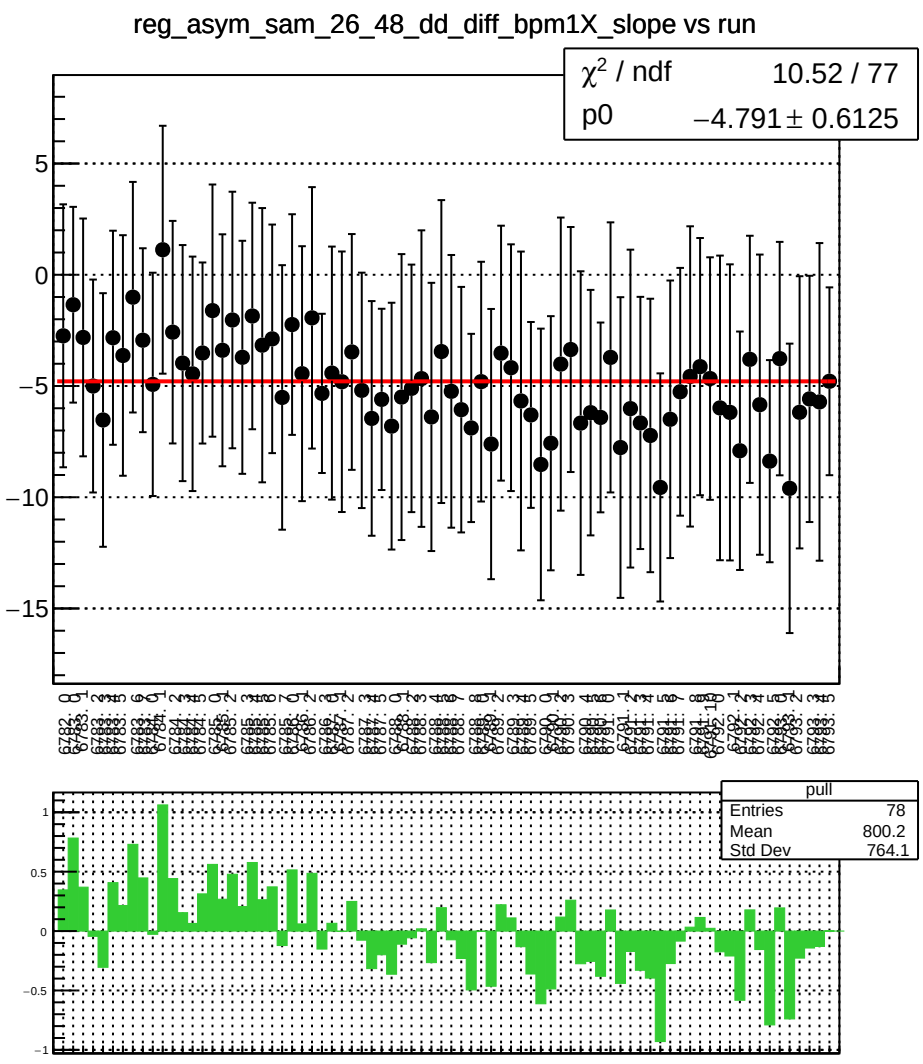

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.845 / 77
p0 −30.46 ± 1.131
pull
Entries 78
Mean −932.5
Std Dev 1041
pull1D
Entries 78
Mean 3.29e−05
Std Dev 0.1538

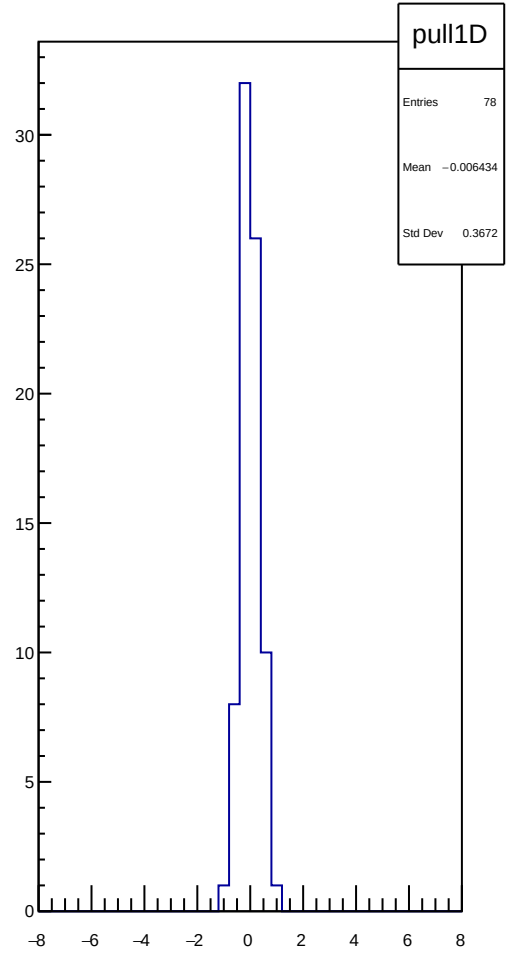

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.411 / 77
p0 −3.967 ± 0.5359
pull
Entries 78
Mean 83.61
Std Dev 43.43
pull1D
Entries 78
Mean −0.009753
Std Dev 0.2376

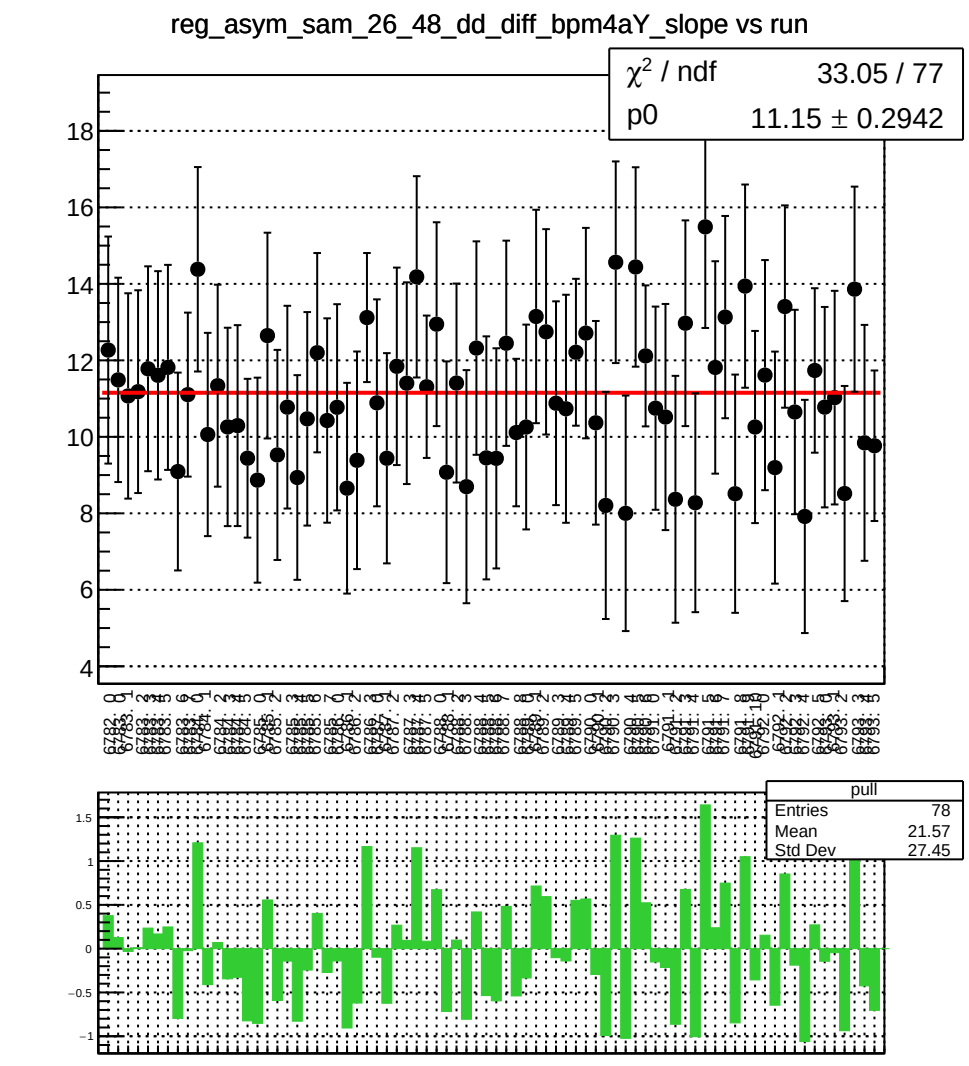

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.242 / 77
p0 −75.79 ± 1.056
pull
Entries 78
Mean 382.7
Std Dev 356
pull1D
Entries 78
Mean −0.0006728
Std Dev 0.1695

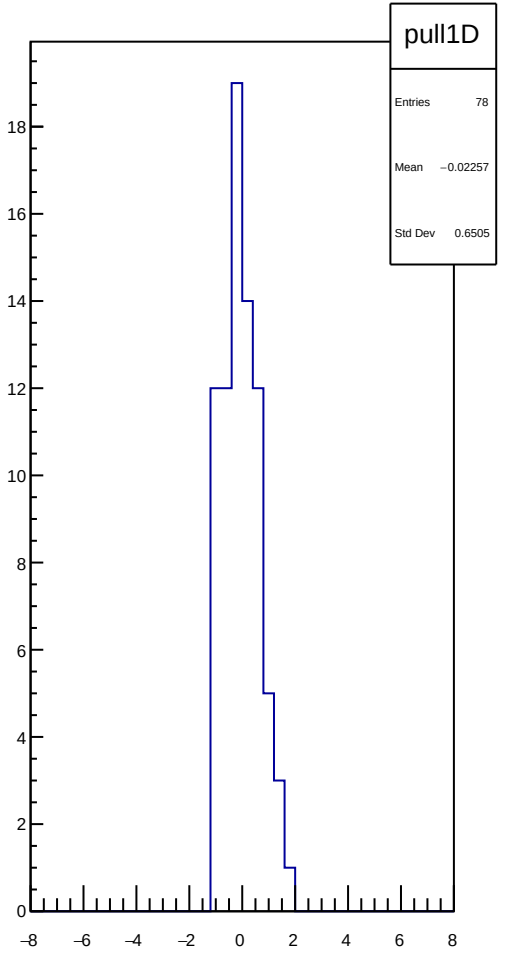

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.113 / 77
p0 −10.59 ± 0.7394
pull
Entries 78
Mean 743.6
Std Dev 699.4
pull1D
Entries 78
Mean 0.003262
Std Dev 0.256

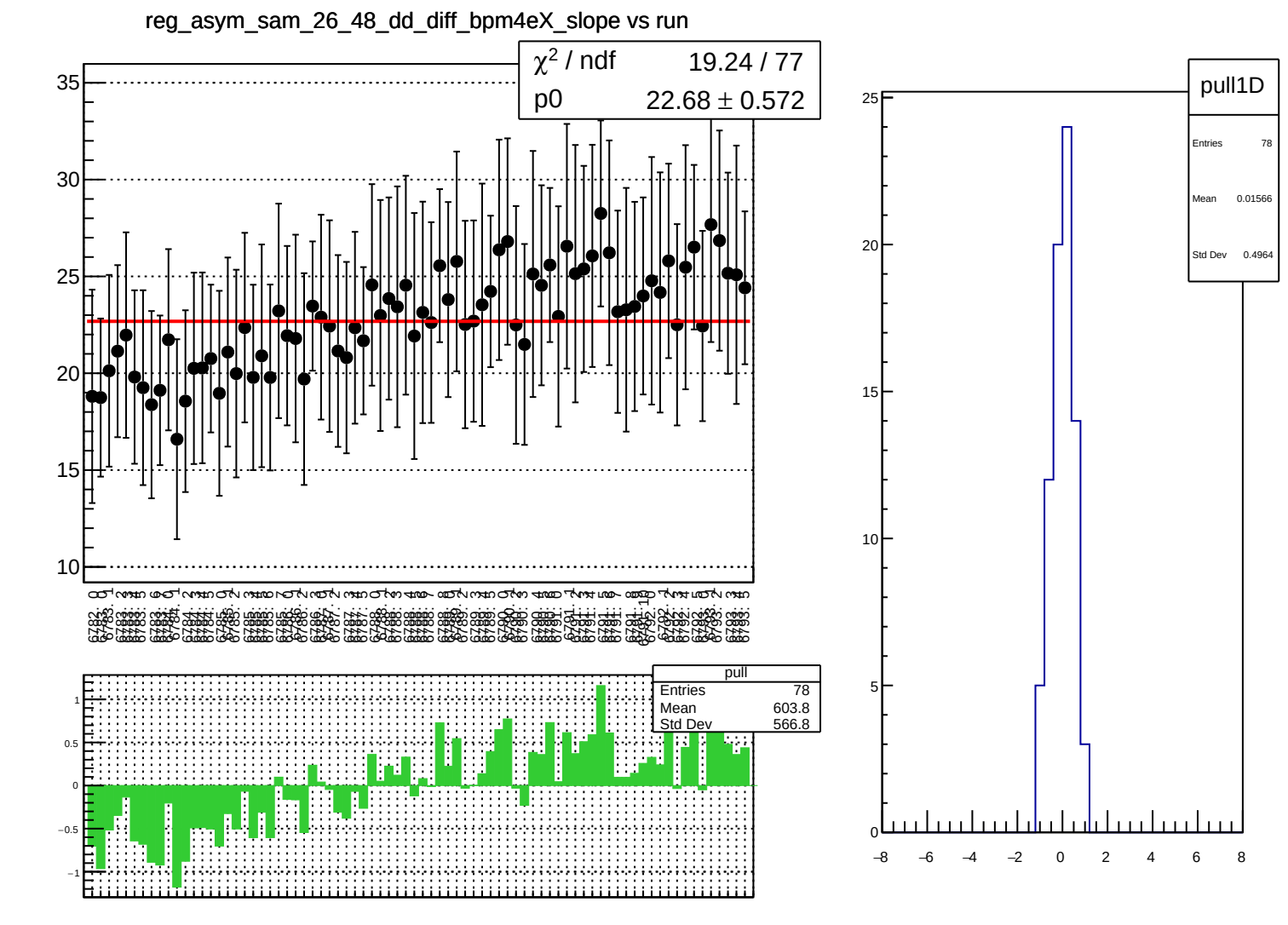

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.747 / 77
p0 0.3027 ± 0.04972
pull
Entries 78
Mean 136.2
Std Dev 112
pull1D
Entries 78
Mean 0.001416
Std Dev 0.2467

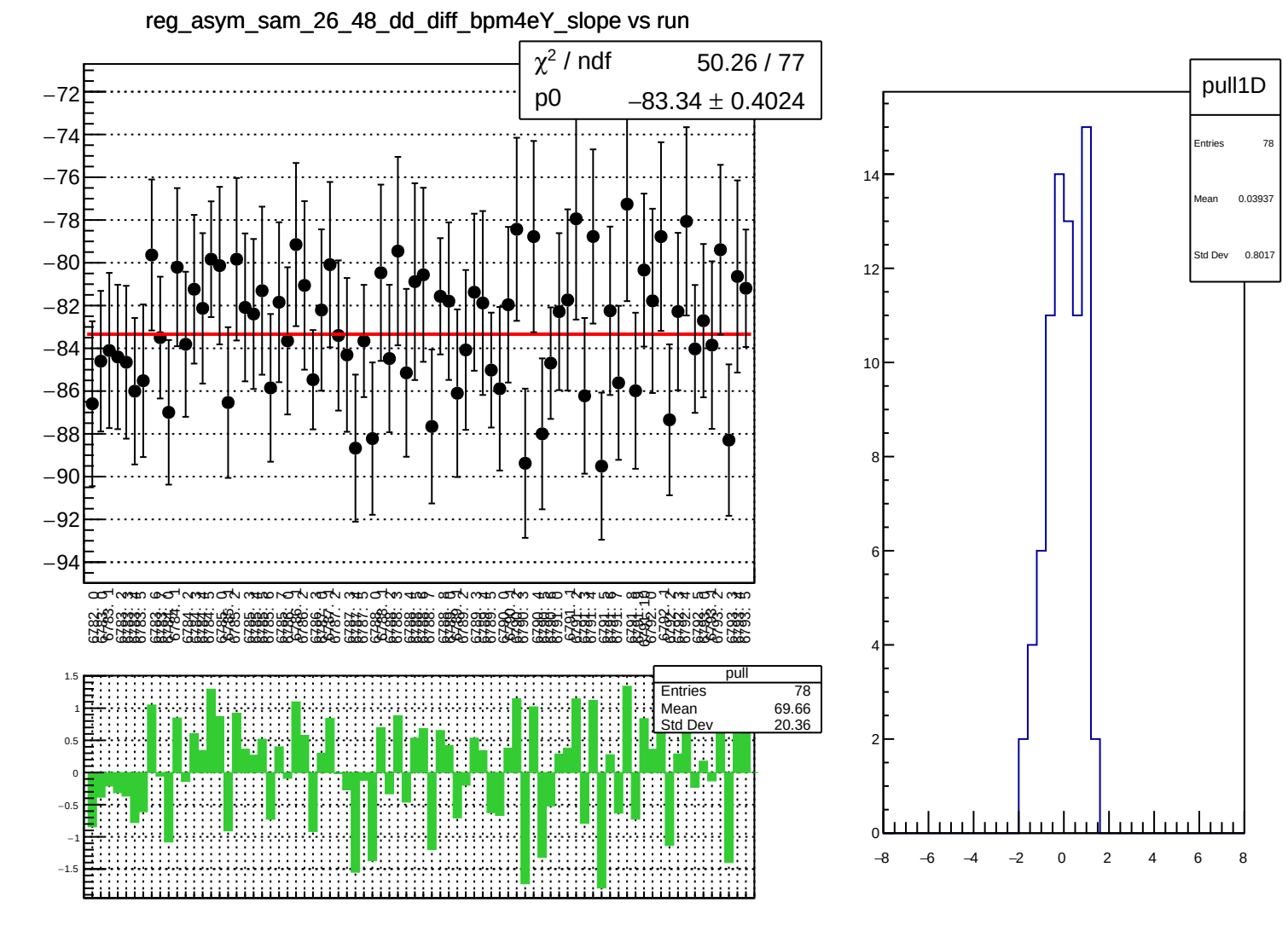

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 10.52 / 77
p0 −4.791 ± 0.6125
pull
Entries 78
Mean 800.2
Std Dev 764.1

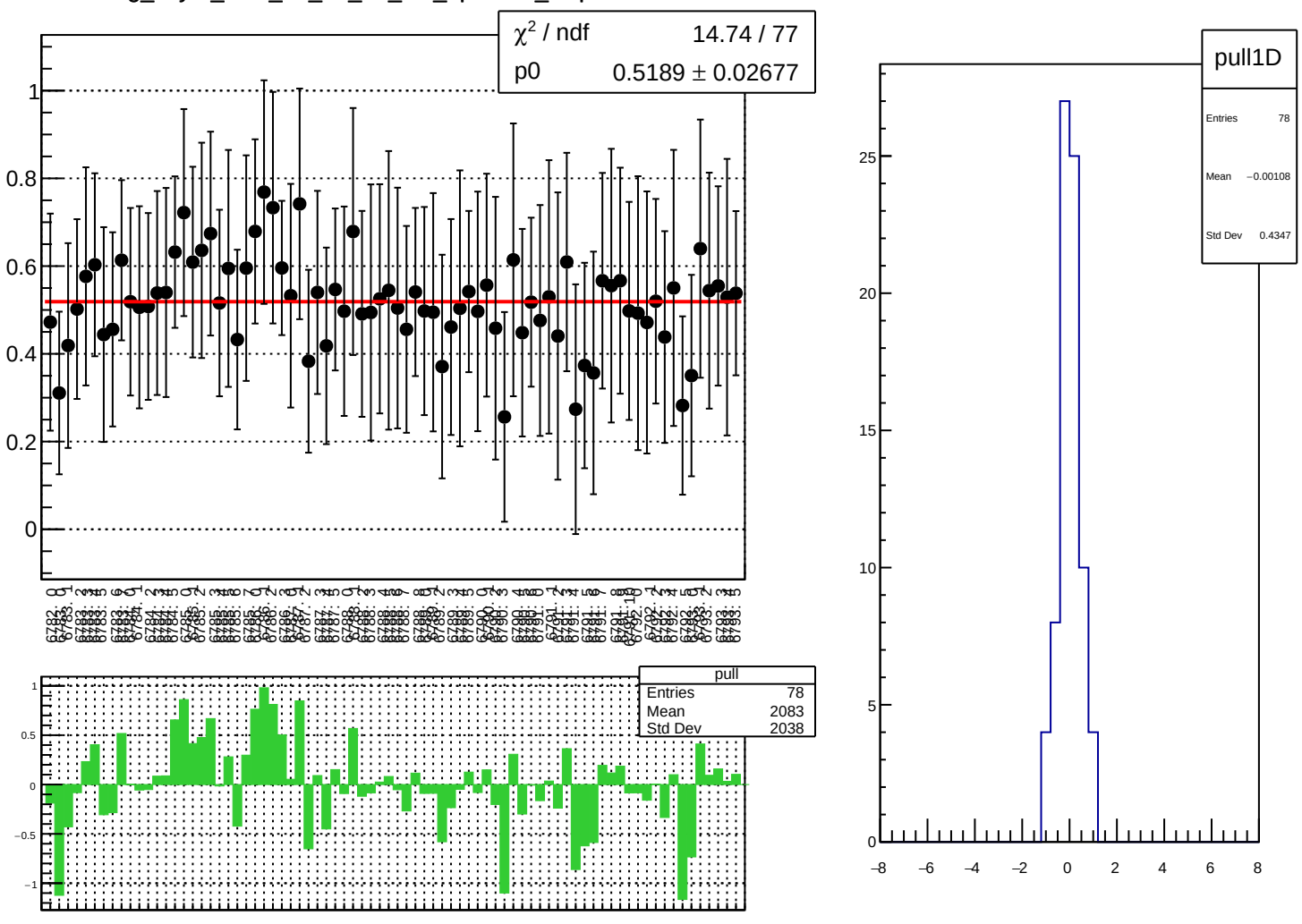

pull1D
Entries 78
Mean −0.006434
Std Dev 0.3672

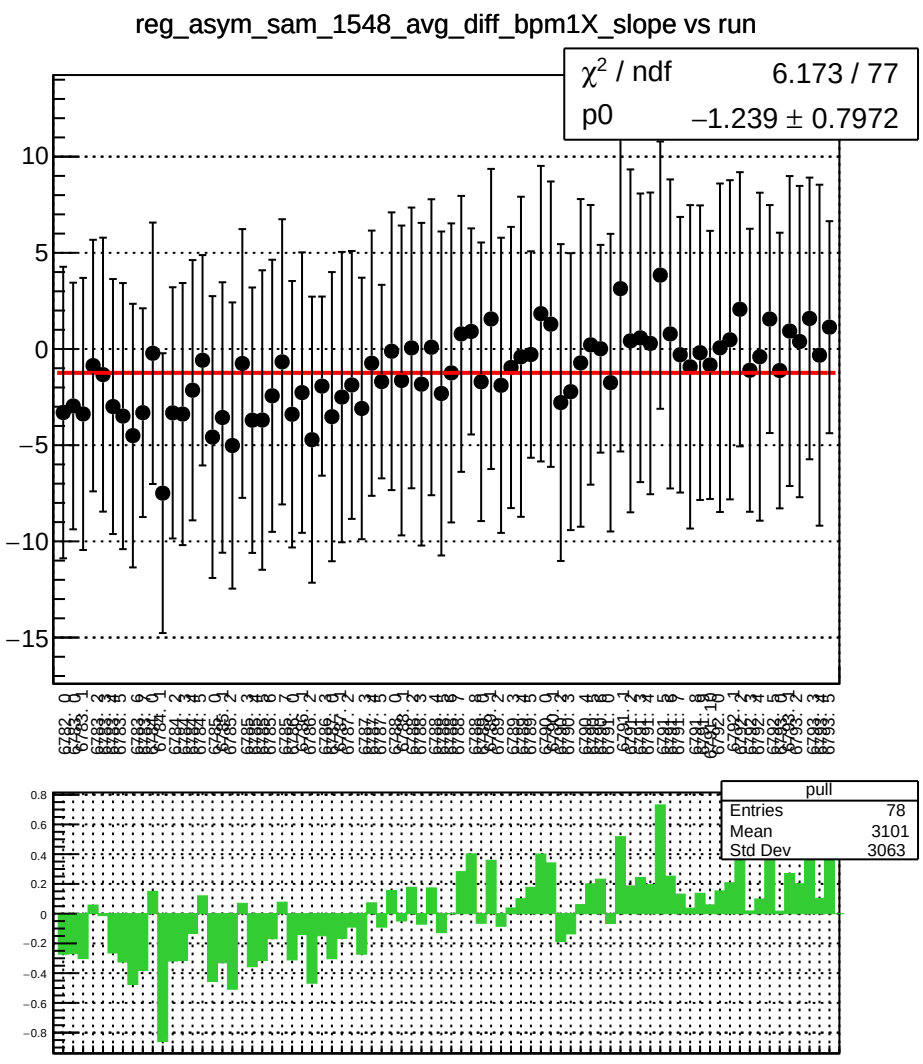

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.05 / 77
p0 11.15 ± 0.2942
pull
Entries 78
Mean 21.57
Std Dev 27.45

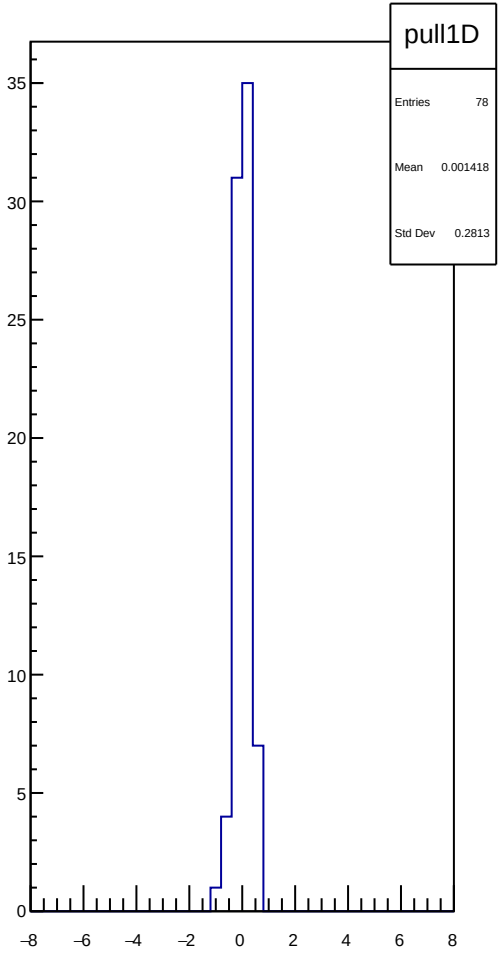

pull1D
Entries 78
Mean −0.02257
Std Dev 0.6505

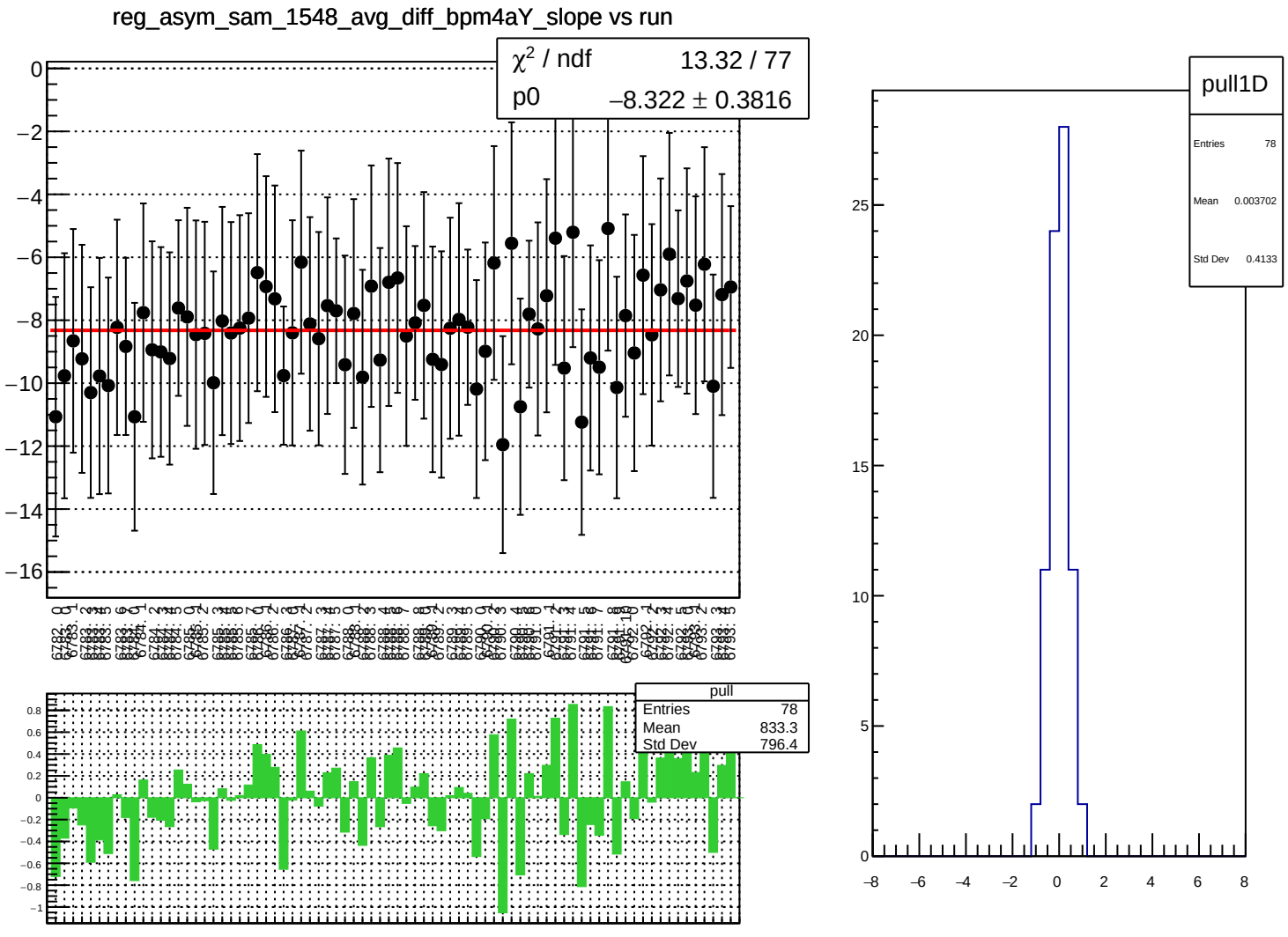

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.24 / 77
p0 22.68 ± 0.572
pull
Entries 78
Mean 603.8
Std Dev 566.8
pull1D
Entries 78
Mean 0.01566
Std Dev 0.4964

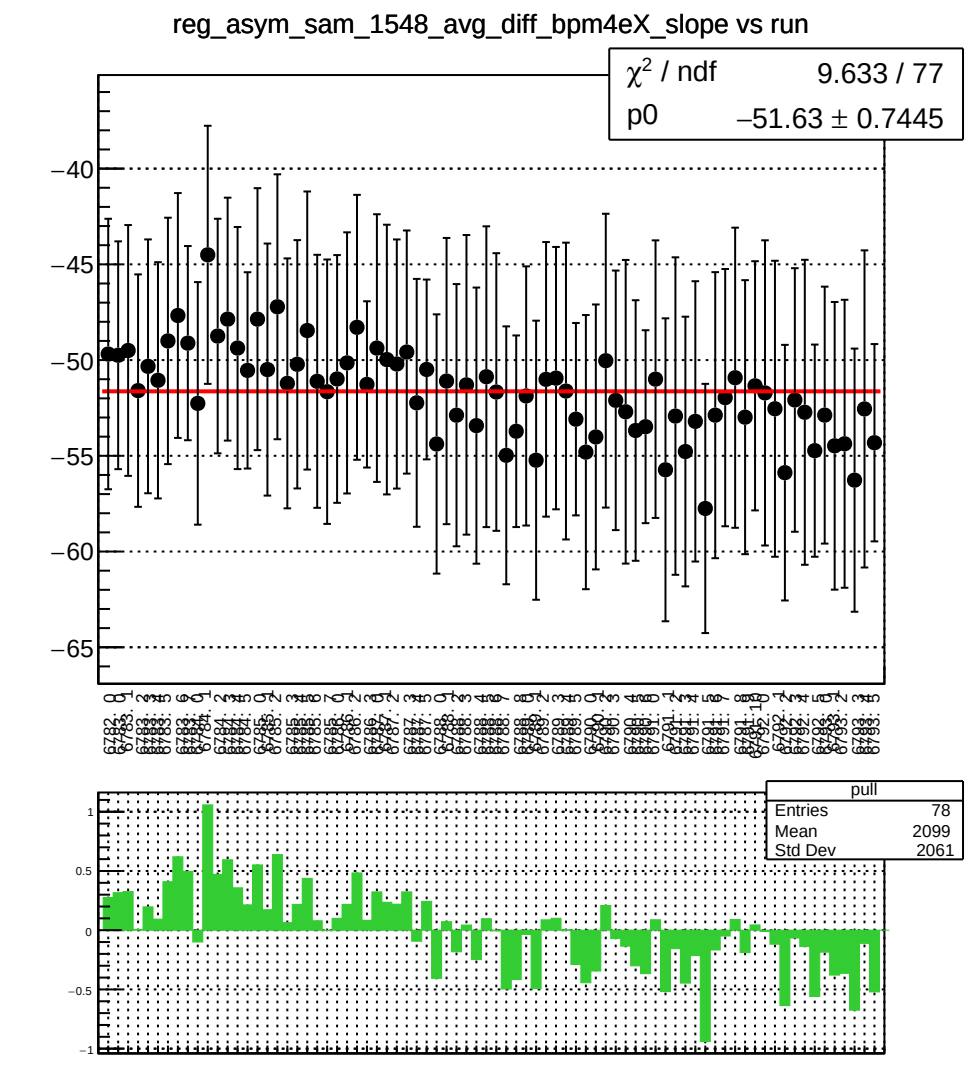

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.26 / 77
p0 −83.34 ± 0.4024
pull
Entries 78
Mean 69.66
Std Dev 20.36
pull1D
Entries 78
Mean 0.03937
Std Dev 0.8017

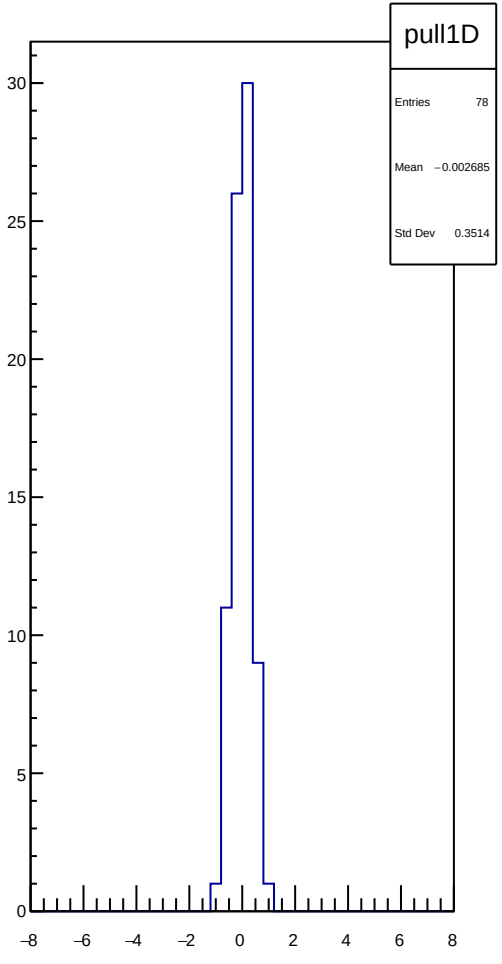

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 14.74 / 77
p0 0.5189 ± 0.02677
pull
Entries 78
Mean 2083
Std Dev 2038
pull1D
Entries 78
Mean −0.00108
Std Dev 0.4347

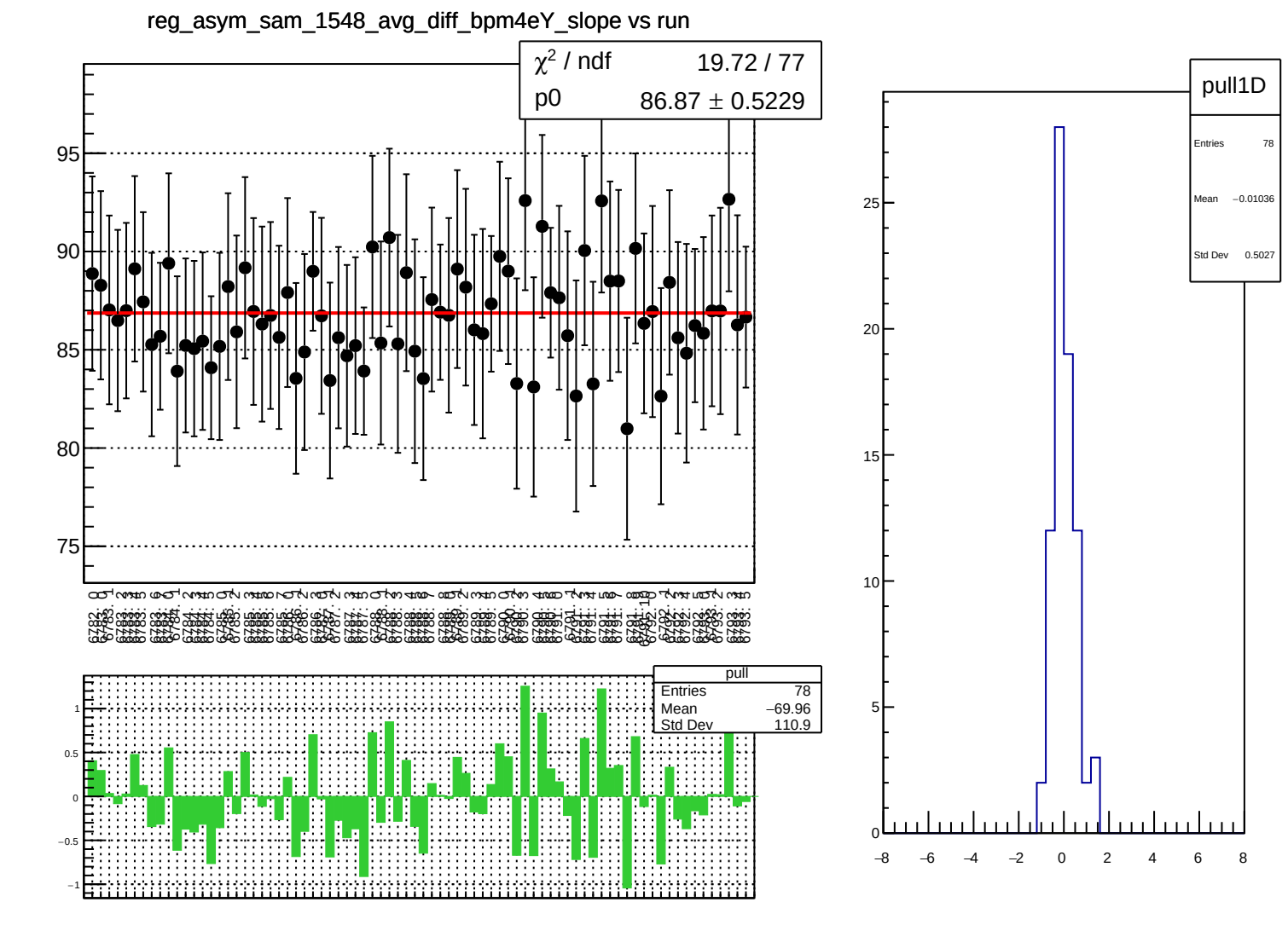

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 6.173 / 77
p0 −1.239 ± 0.7972
pull
Entries 78
Mean 3101
Std Dev 3063

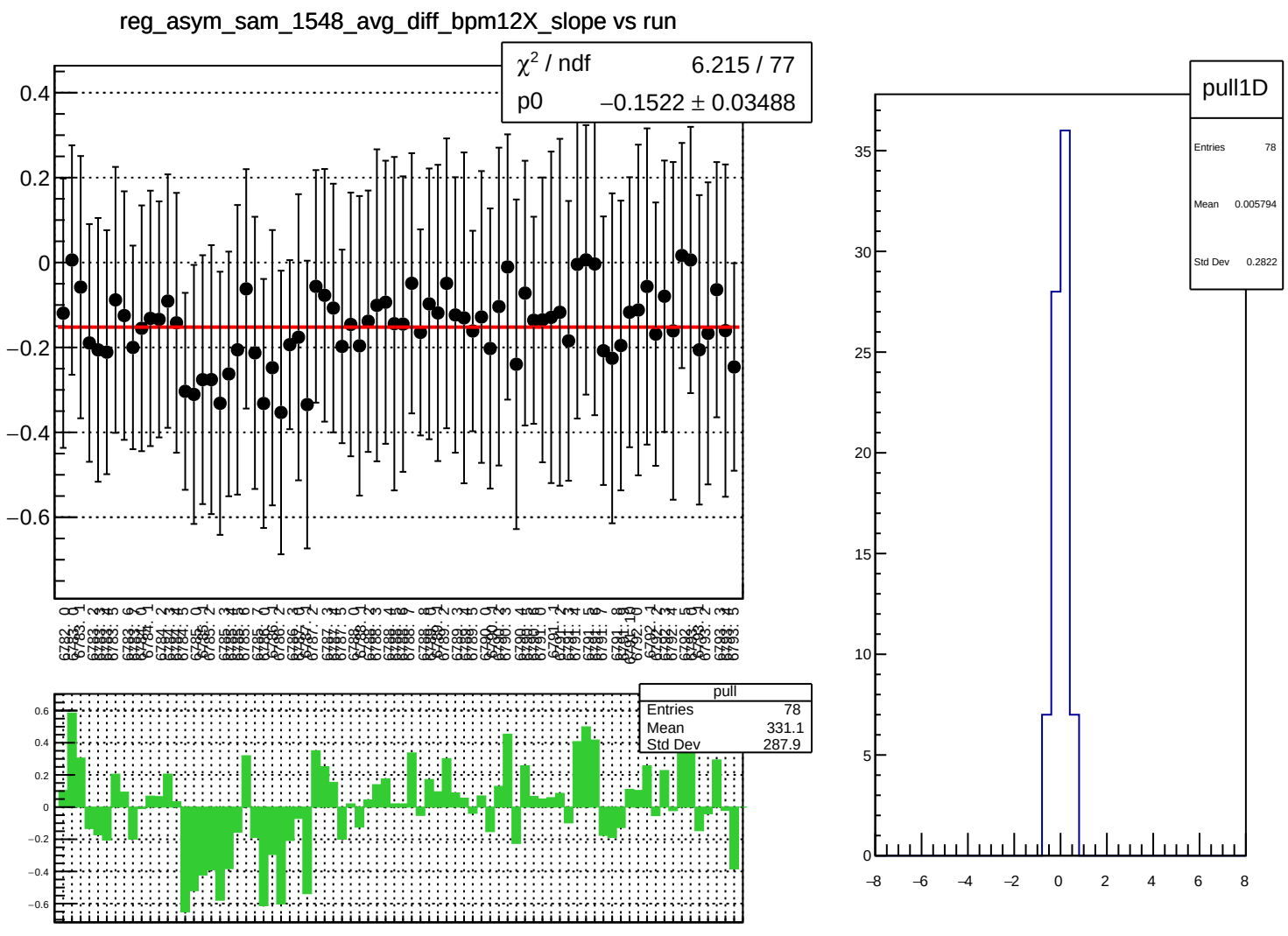

pull1D
Entries 78
Mean 0.001418
Std Dev 0.2813

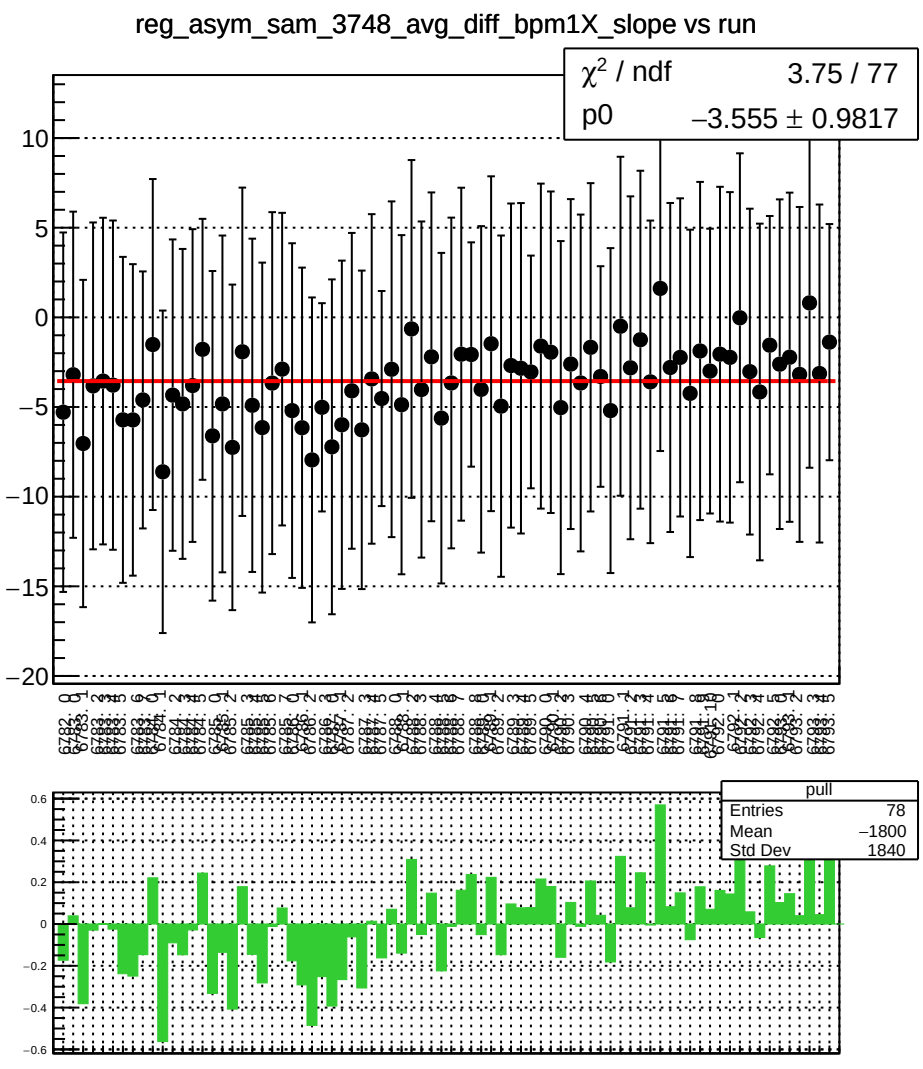

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 77
p0 −8.322 ± 0.3816
pull
Entries 78
Mean 833.3
Std Dev 796.4
pull1D
Entries 78
Mean 0.003702
Std Dev 0.4133

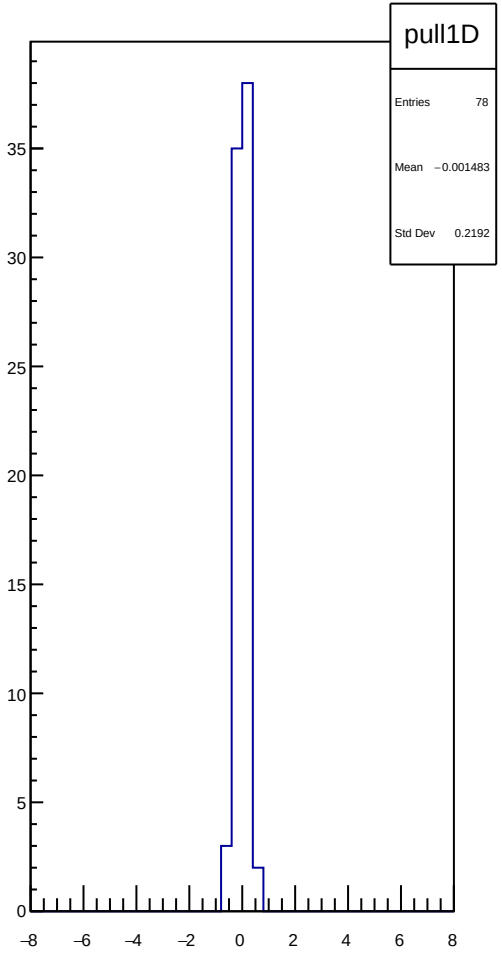

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.633 / 77
p0 −51.63 ± 0.7445
pull
Entries 78
Mean 2099
Std Dev 2061

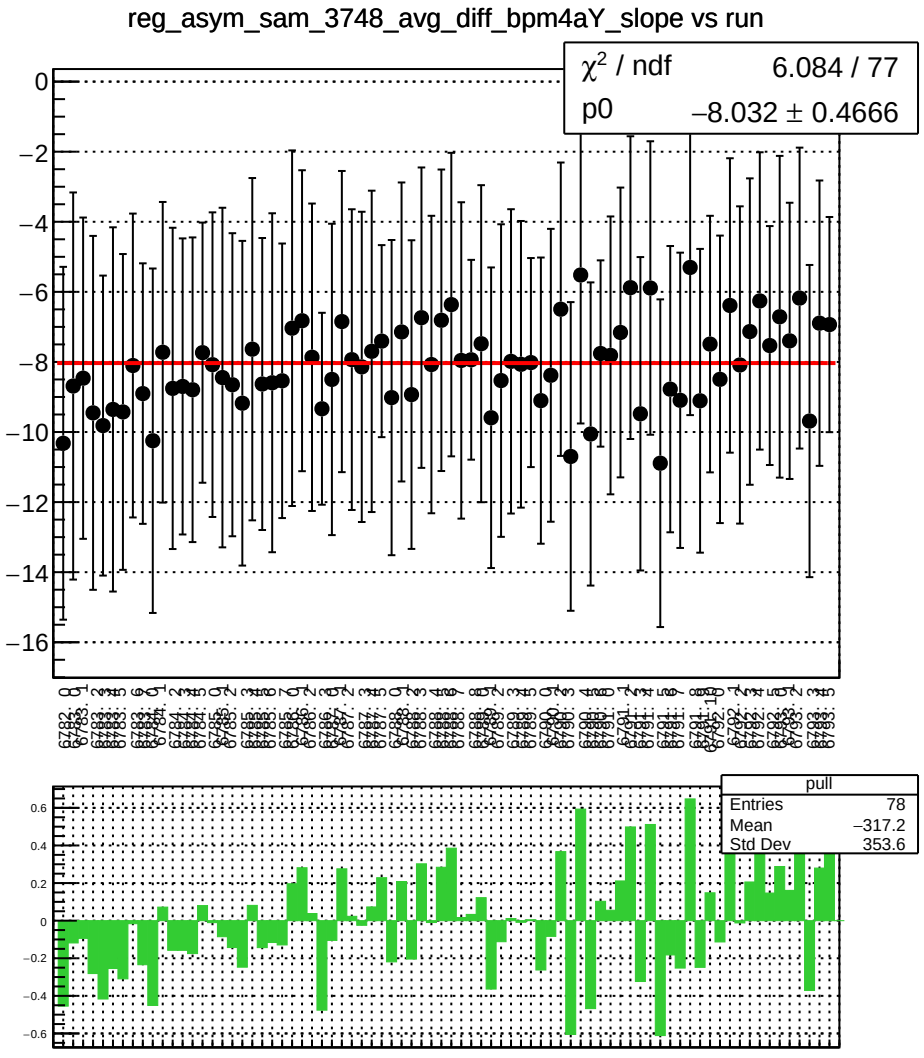

pull1D
Entries 78
Mean −0.002685
Std Dev 0.3514

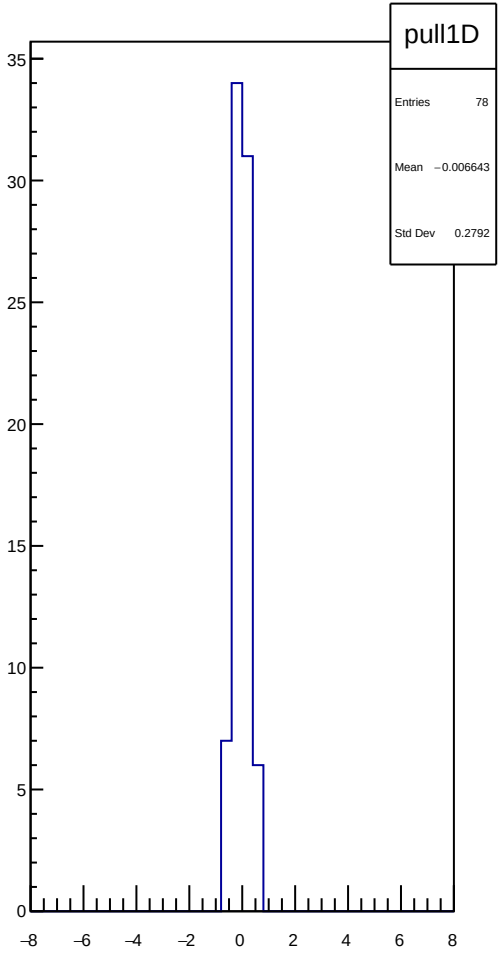

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.72 / 77
p0 86.87 ± 0.5229
pull
Entries 78
Mean −69.96
Std Dev 110.9
pull1D
Entries 78
Mean −0.01036
Std Dev 0.5027

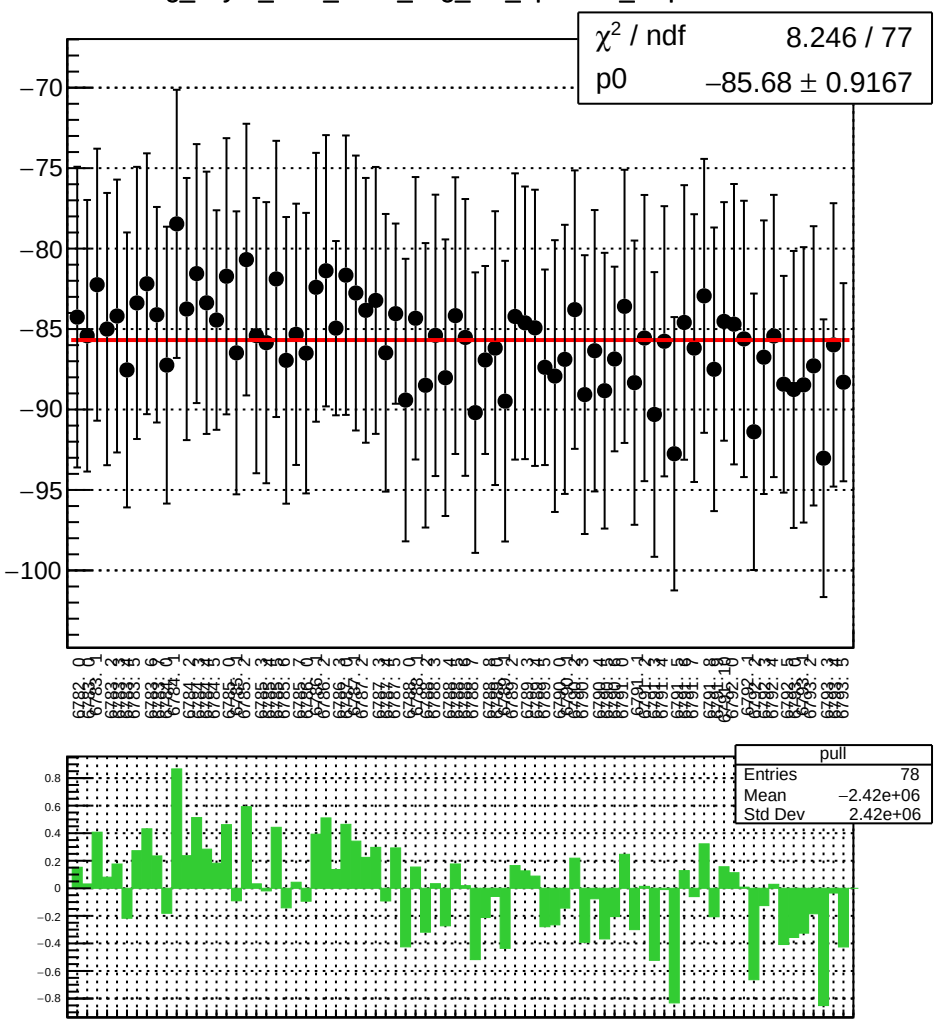

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.215 / 77
p0 −0.1522 ± 0.03488
0.4
0.2
0
−0.2
−0.4
−0.6
pull
Entries 78
Mean 331.1
Std Dev 287.9
pull1D
Entries 78
Mean 0.005794
Std Dev 0.2822
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

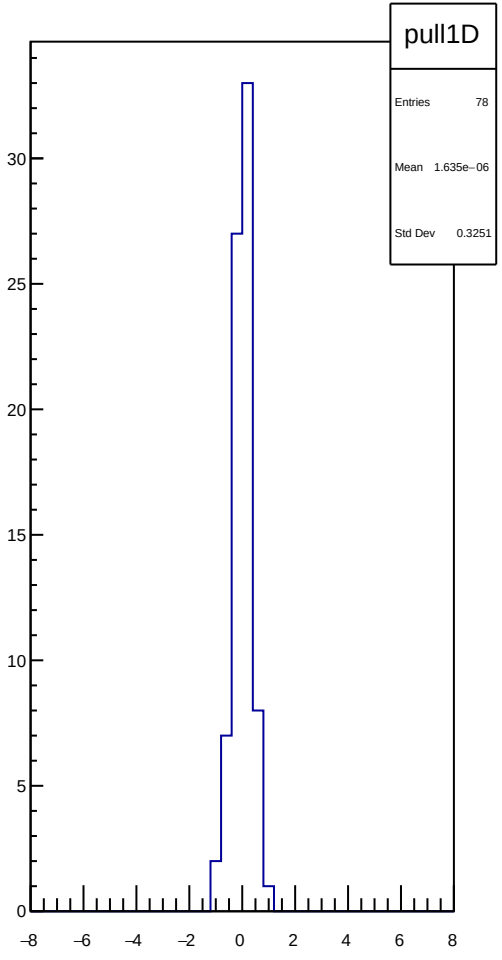

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.75 / 77
p0 −3.555 ± 0.9817
pull
Entries 78
Mean −1800
Std Dev 1840

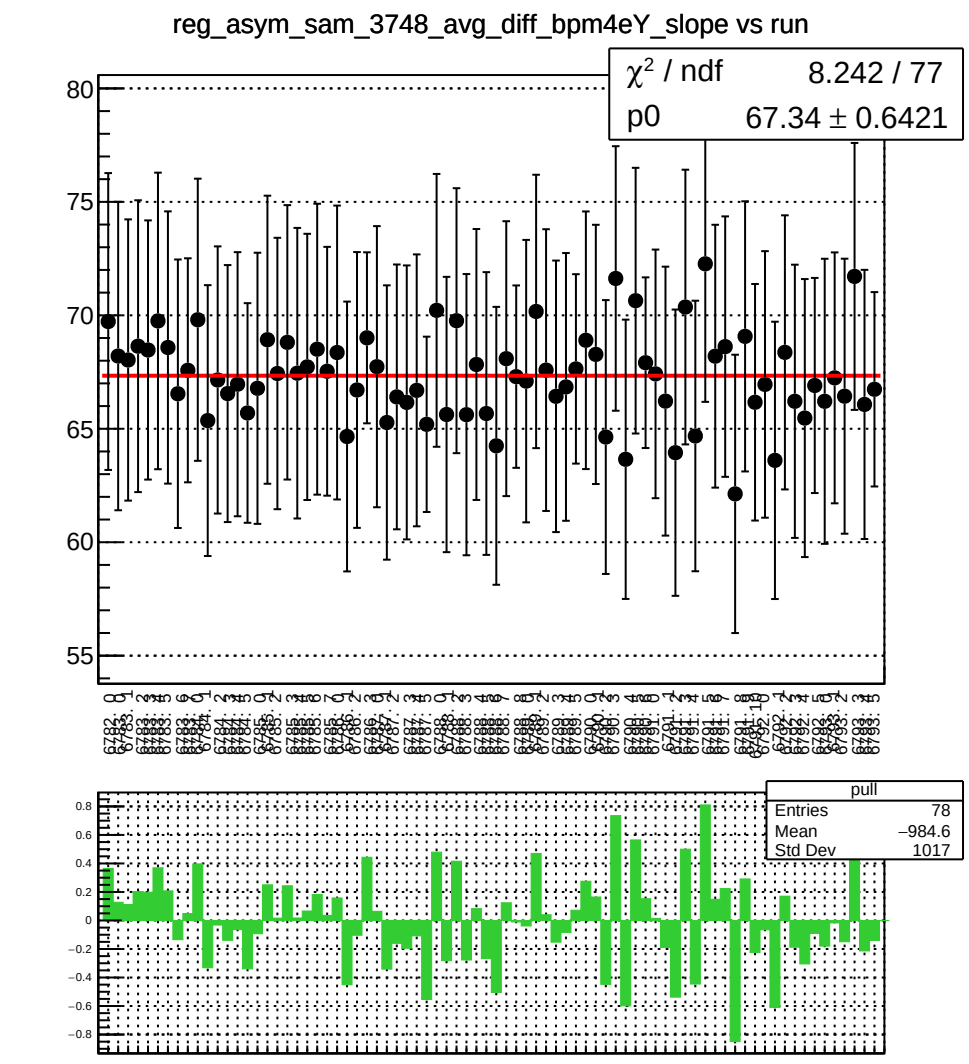

pull1D
Entries 78
Mean −0.001483
Std Dev 0.2192

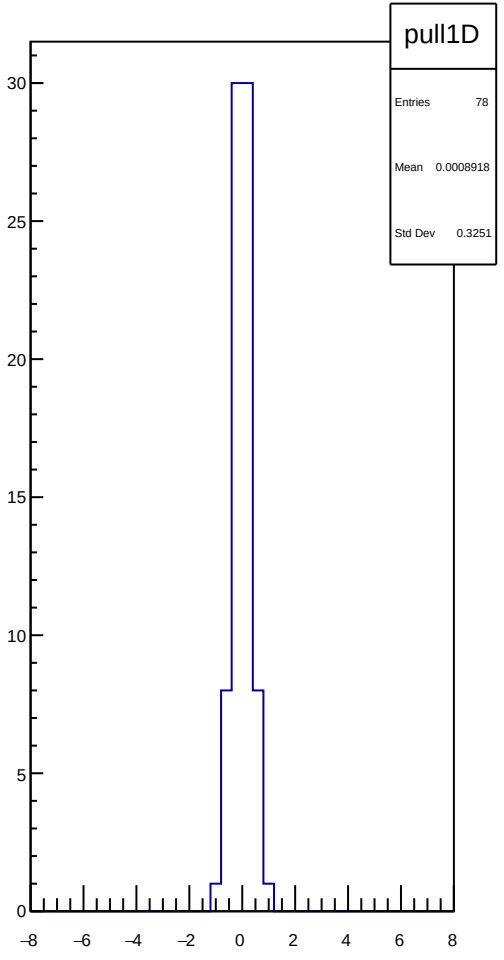

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.084 / 77
p0 −8.032 ± 0.4666
pull
Entries 78
Mean −317.2
Std Dev 353.6

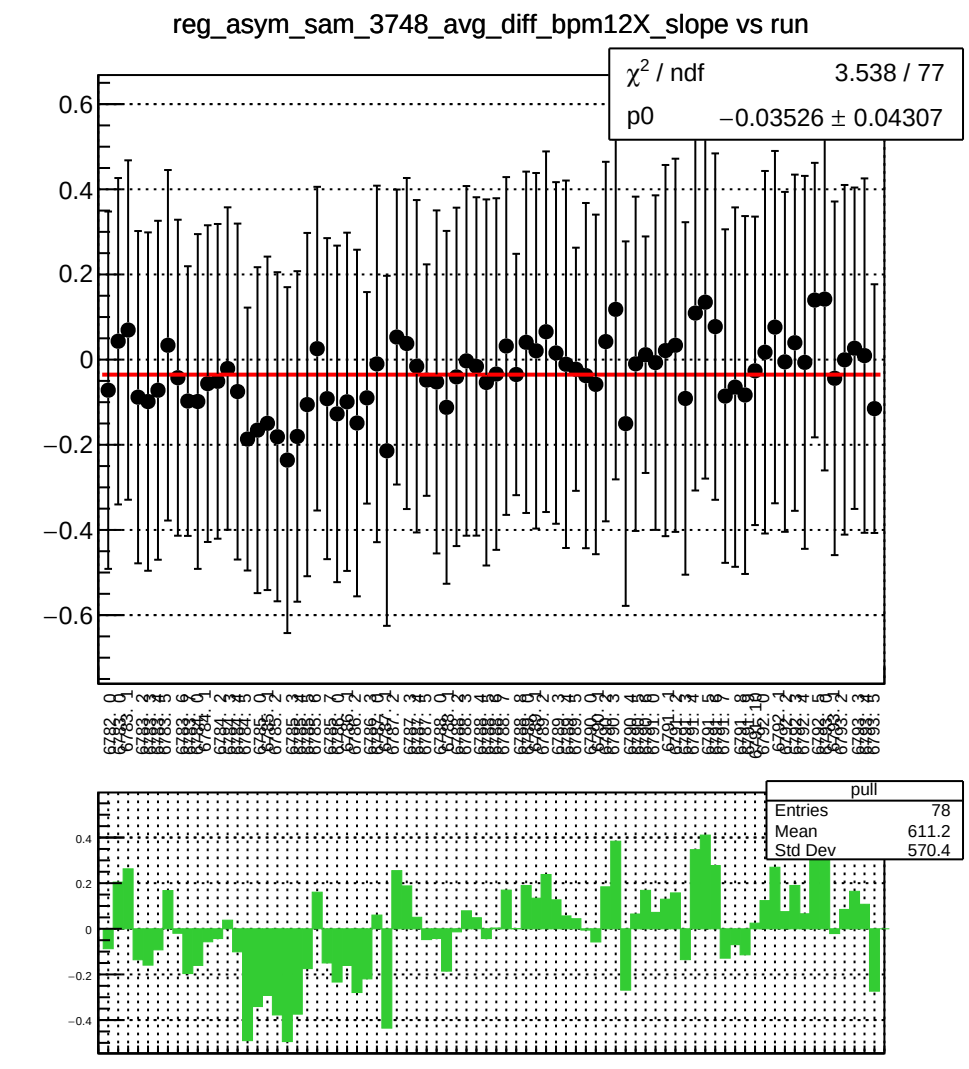

pull1D
Entries 78
Mean −0.006643
Std Dev 0.2792

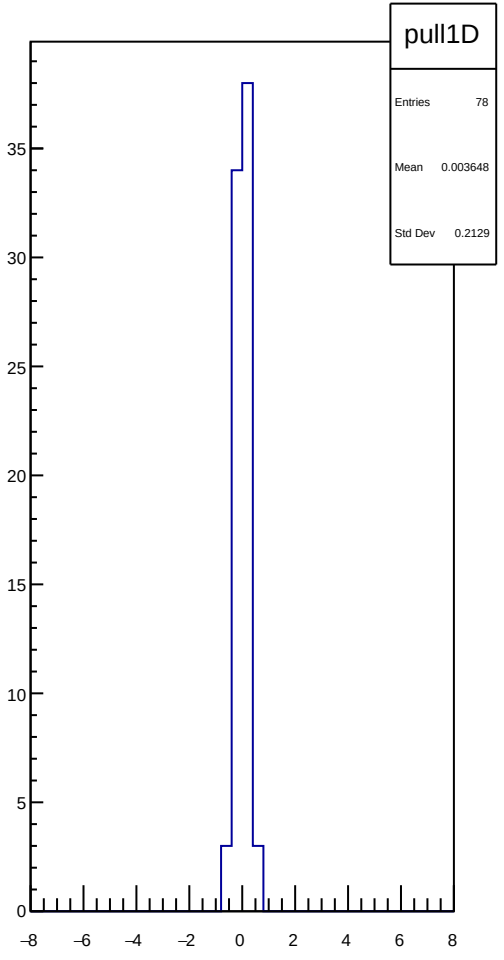

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.246 / 77
p0 −85.68 ± 0.9167
pull
Entries 78
Mean −2.42e+06
Std Dev 2.42e+06

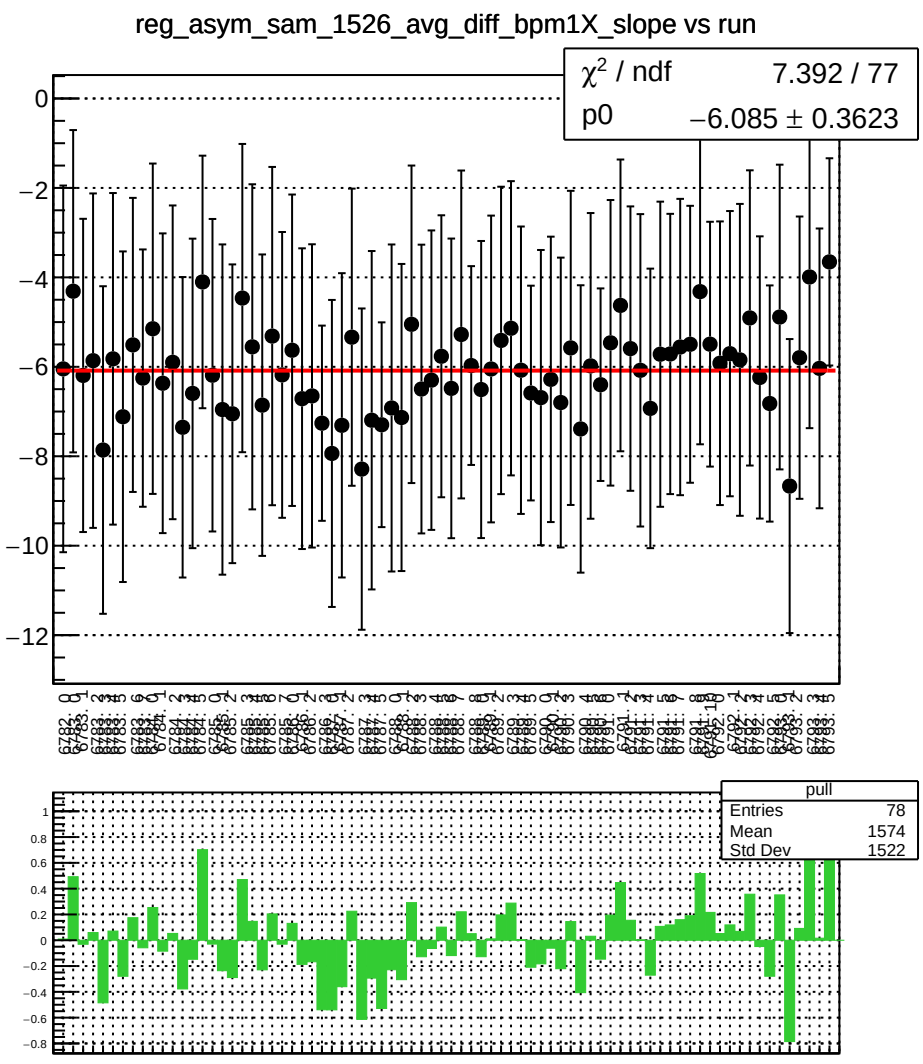

pull1D
Entries 78
Mean 1.635e−06
Std Dev 0.3251

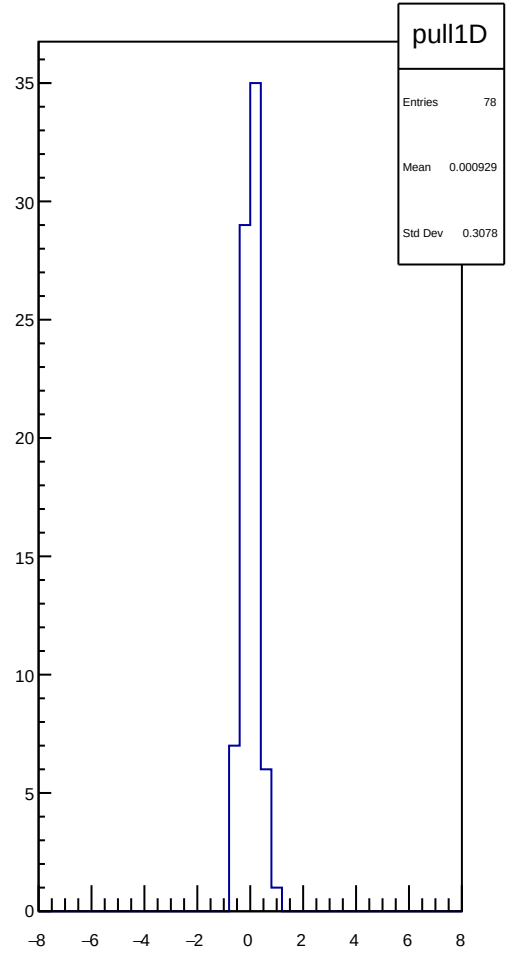

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.242 / 77
p0 67.34 ± 0.6421
pull
Entries 78
Mean −984.6
Std Dev 1017

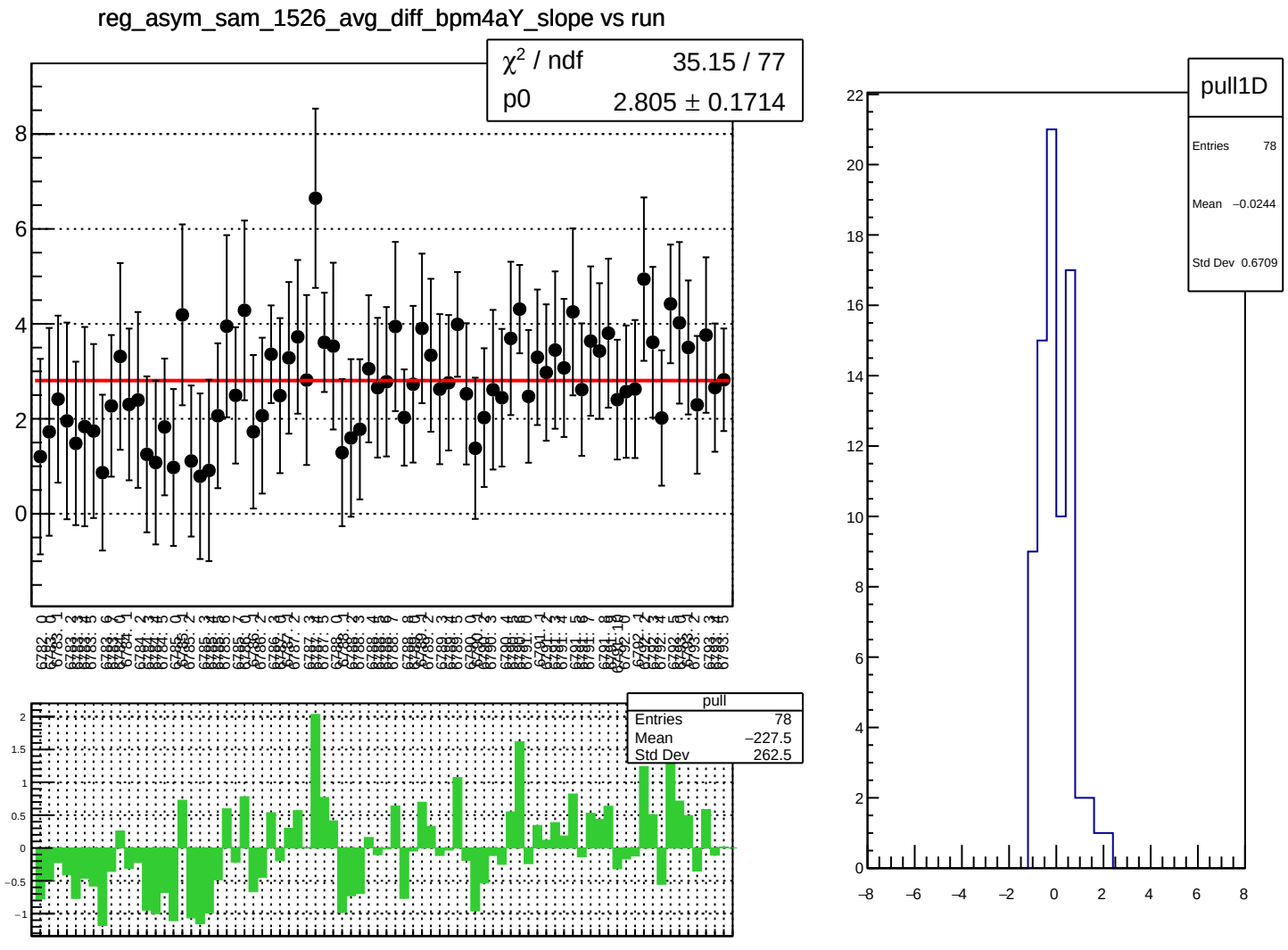

pull1D
Entries 78
Mean 0.0008918
Std Dev 0.3251

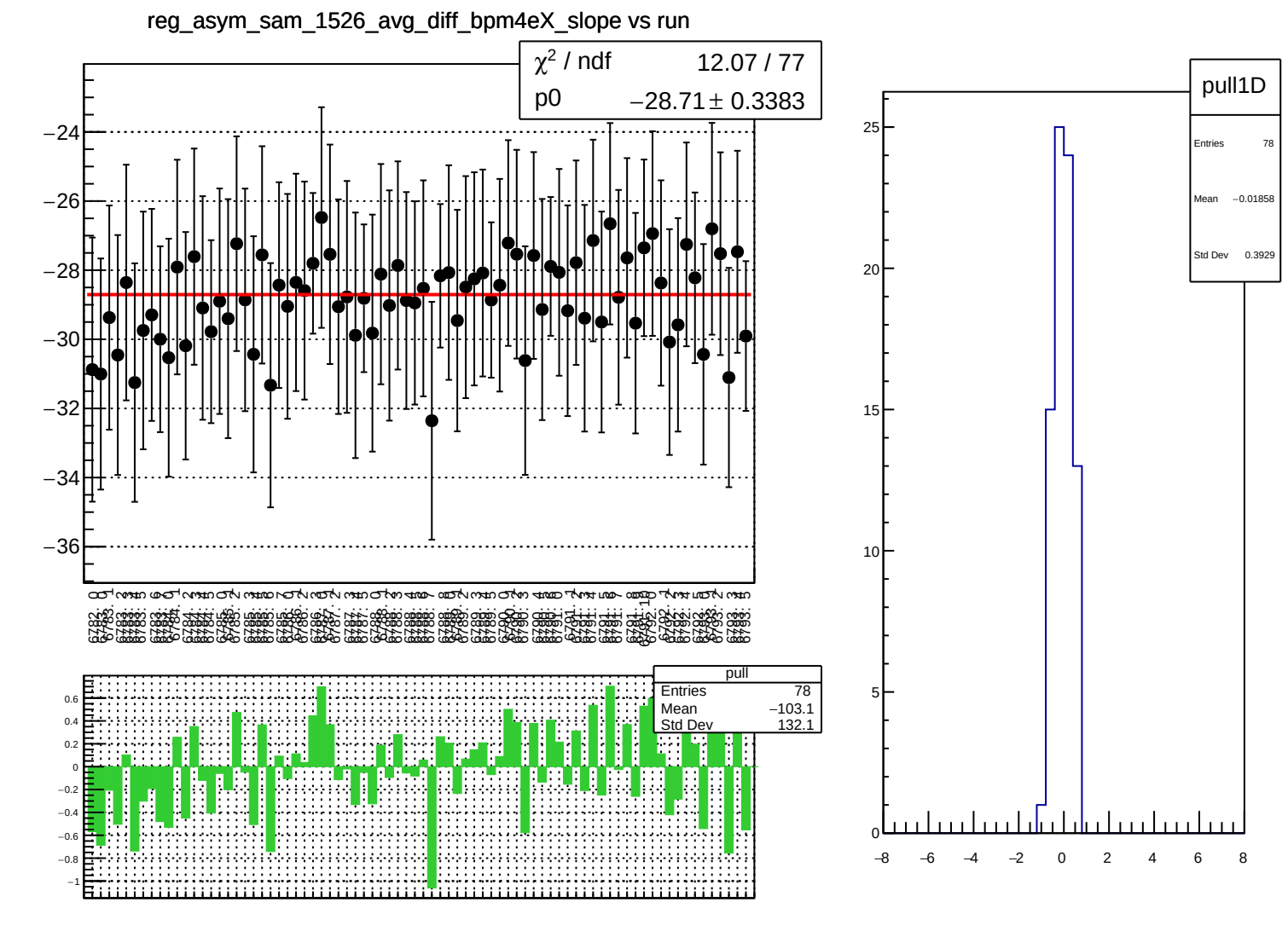

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.538 / 77
p0 −0.03526 ± 0.04307
pull
Entries 78
Mean 611.2
Std Dev 570.4

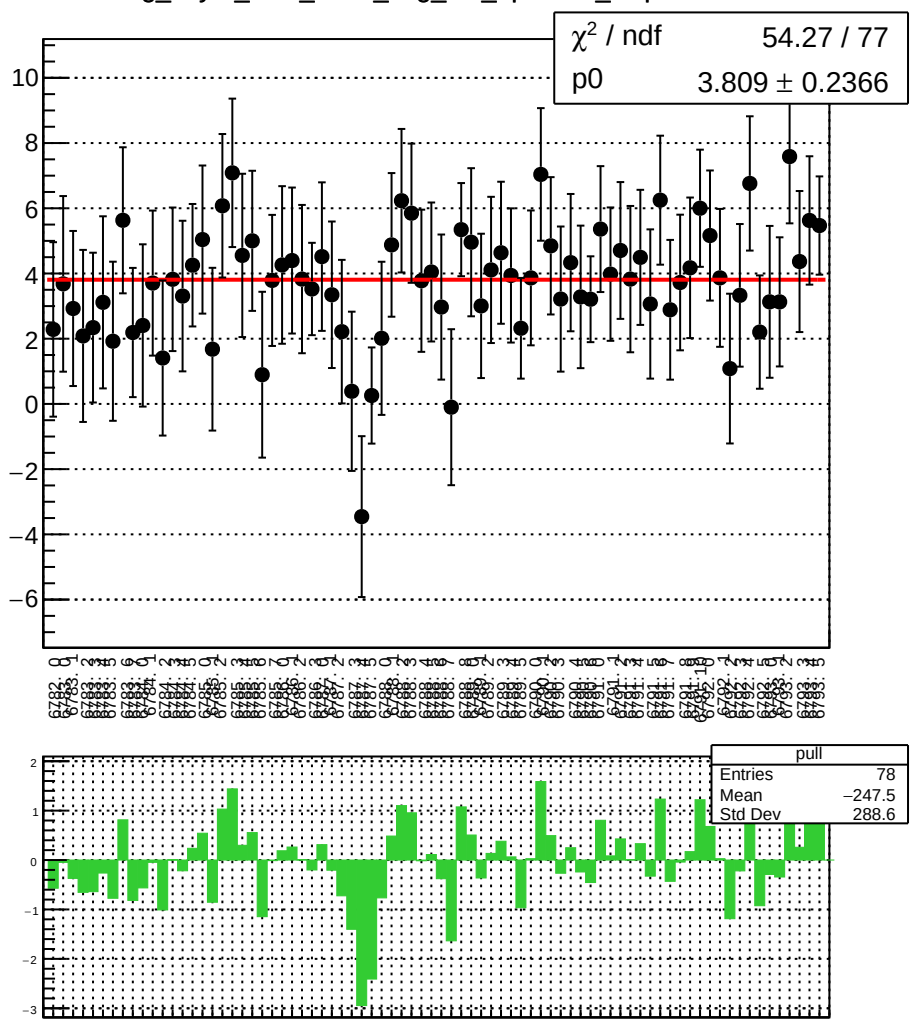

pull1D
Entries 78
Mean 0.003648
Std Dev 0.2129

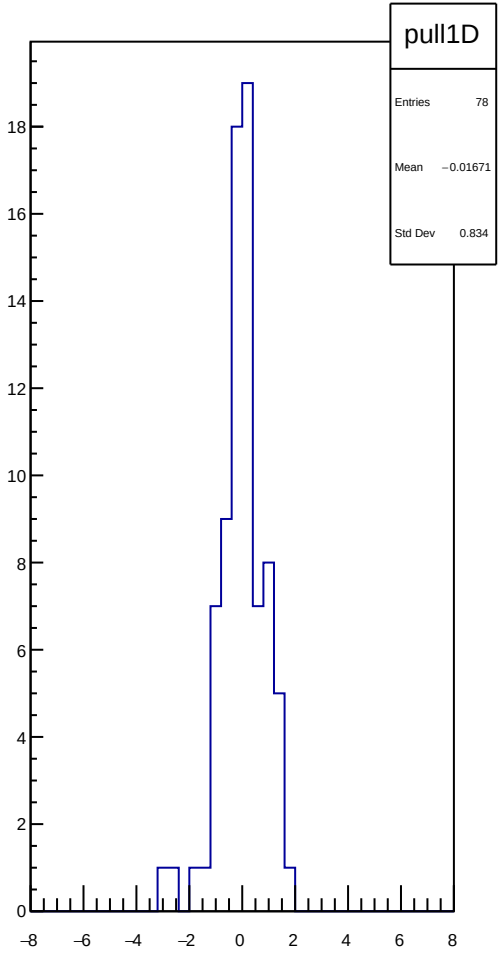

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.392 / 77
p0 −6.085 ± 0.3623
pull
Entries 78
Mean 1574
Std Dev 1522

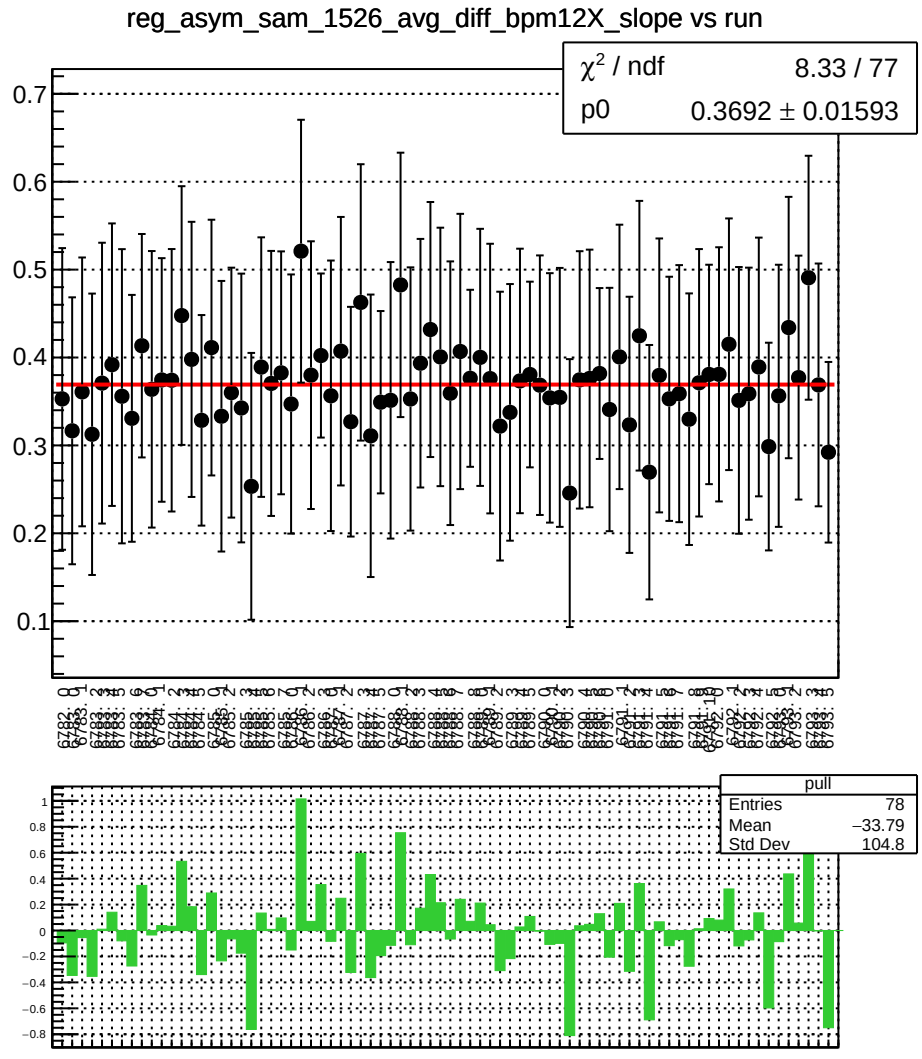

pull1D
Entries 78
Mean 0.000929
Std Dev 0.3078

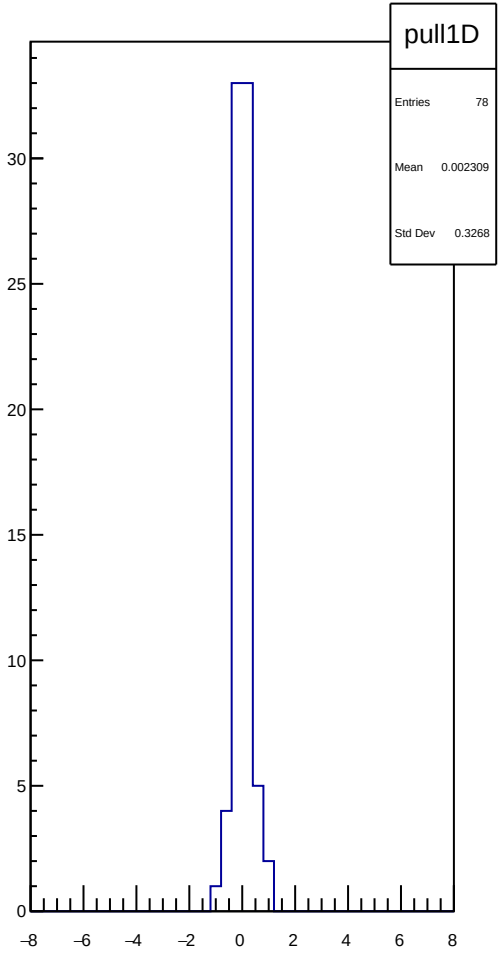

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.15 / 77
p0 2.805 ± 0.1714
pull
Entries 78
Mean −227.5
Std Dev 262.5
pull1D
Entries 78
Mean −0.0244
Std Dev 0.6709

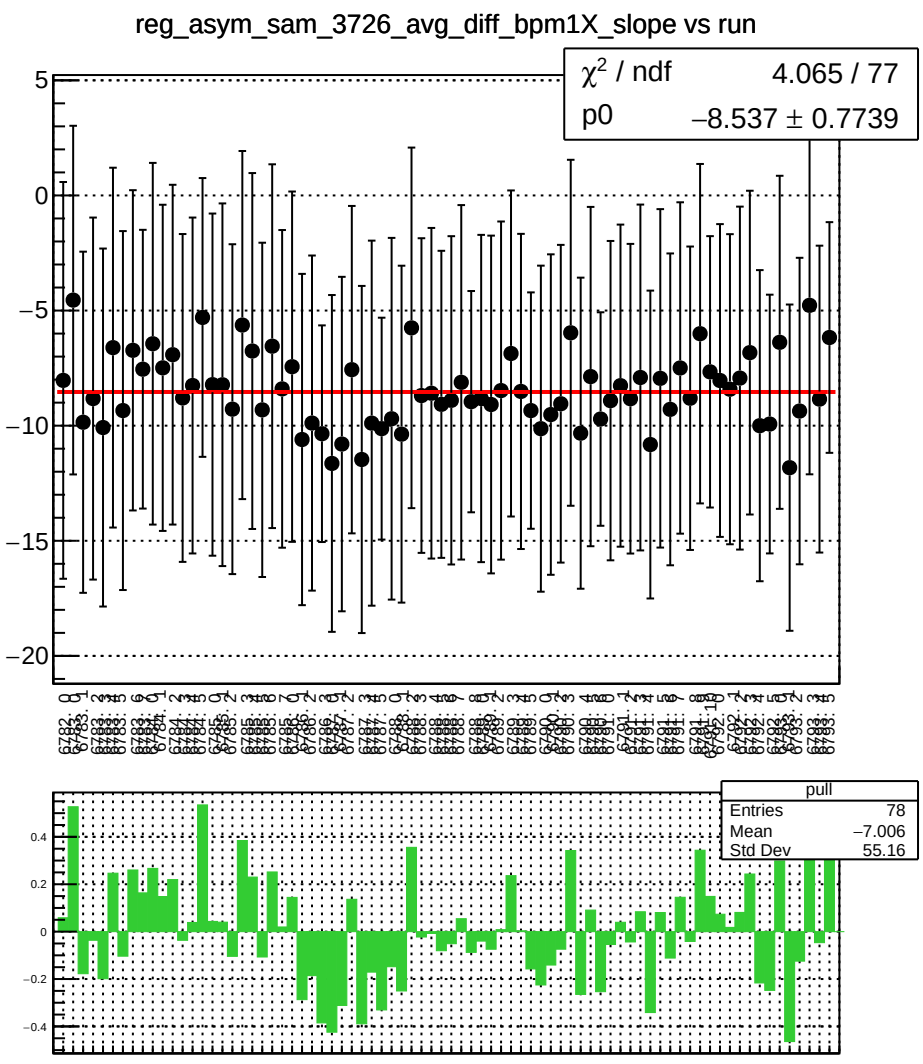

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.07 / 77
p0 −28.71 ± 0.3383
pull
Entries 78
Mean −103.1
Std Dev 132.1
pull1D
Entries 78
Mean −0.01858
Std Dev 0.3929

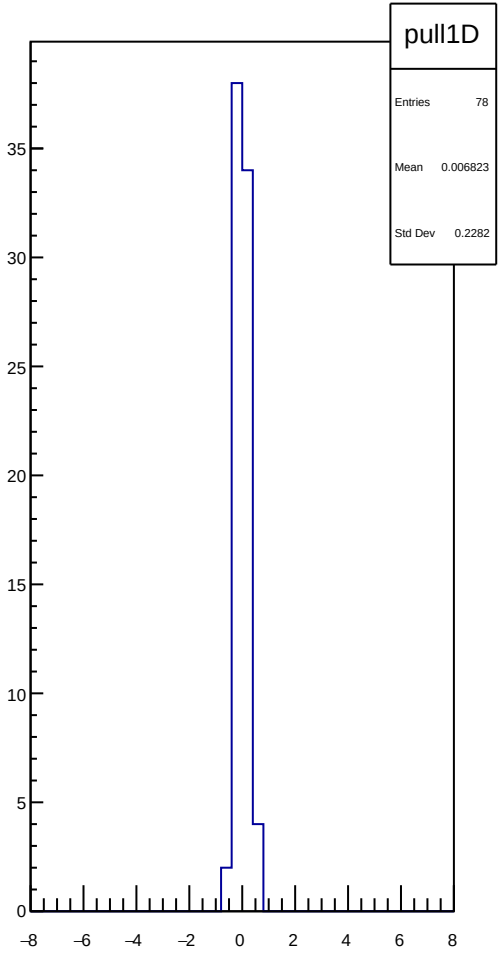

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.27 / 77
p0 3.809 ± 0.2366
pull
Entries 78
Mean −247.5
Std Dev 288.6

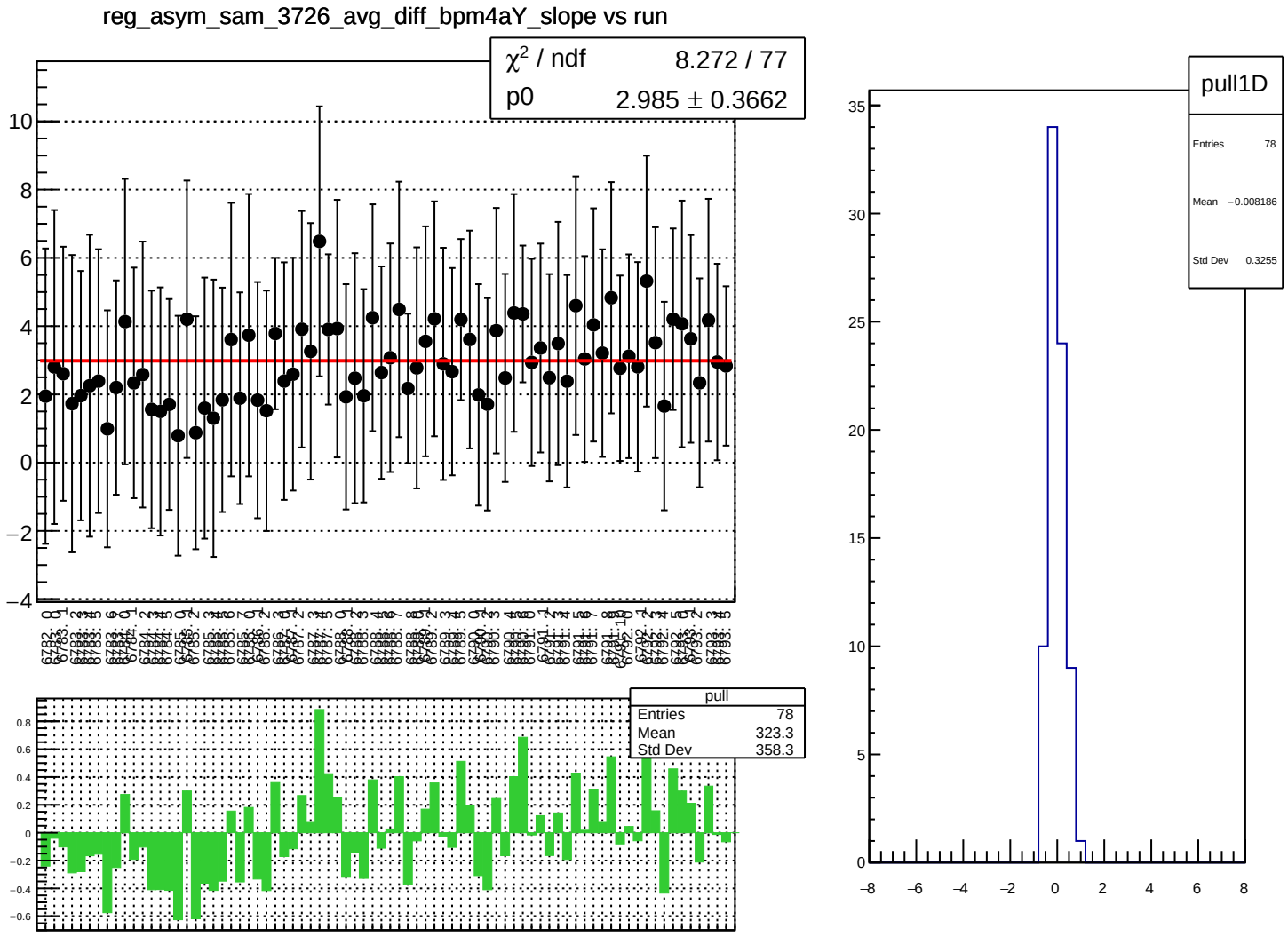

pull1D
Entries 78
Mean −0.01671
Std Dev 0.834

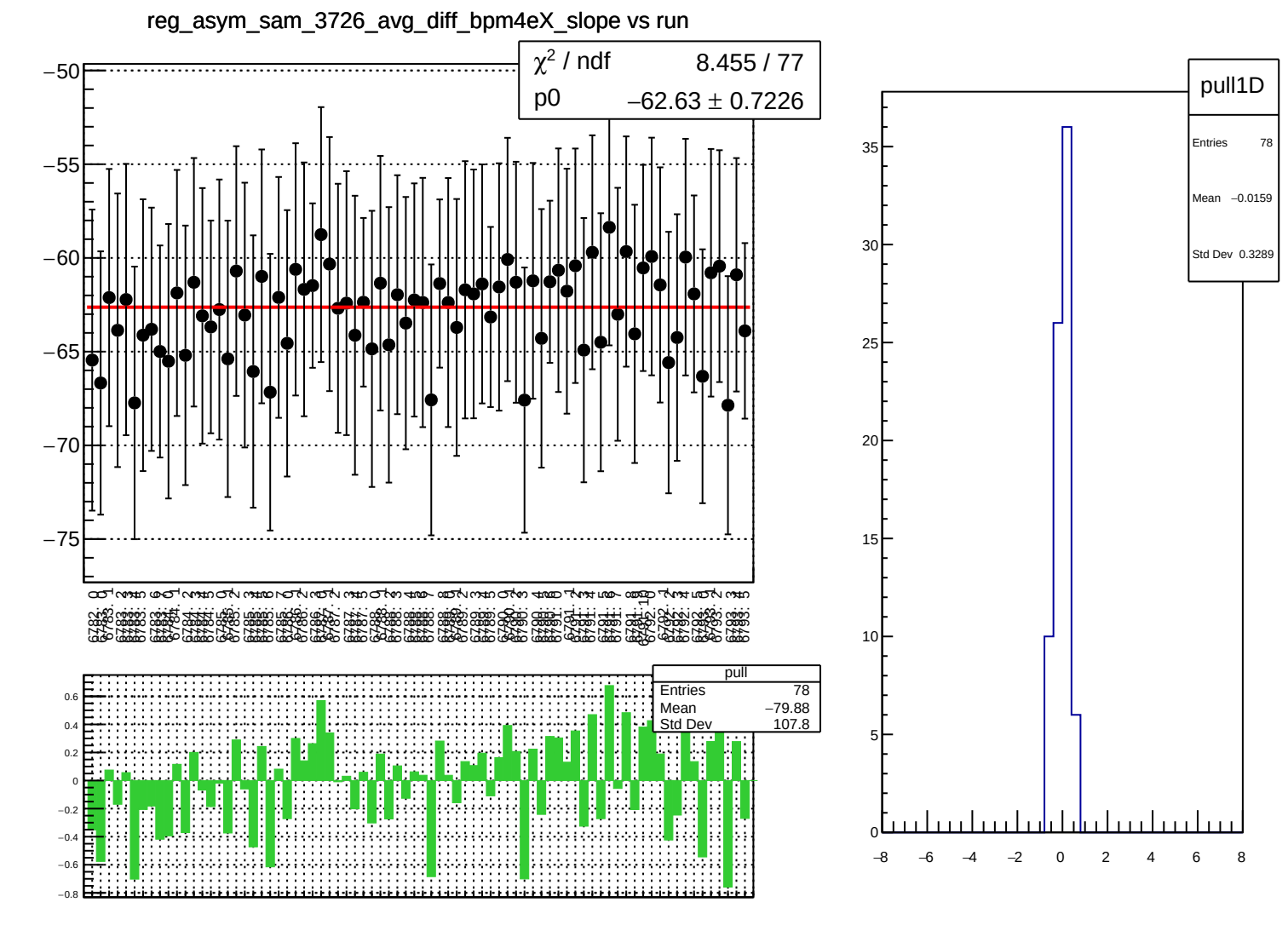

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.33 / 77
p0 0.3692 ± 0.01593
pull
Entries 78
Mean −33.79
Std Dev 104.8

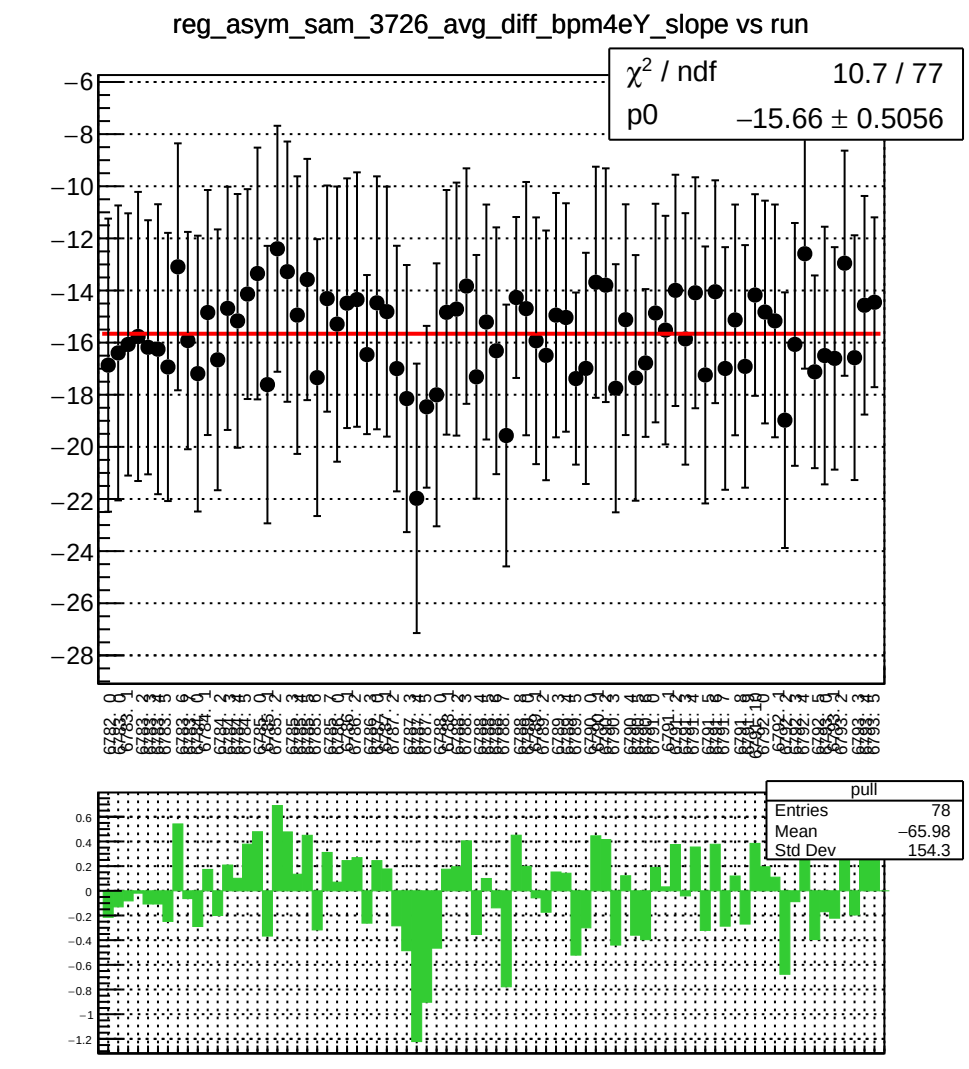

pull1D
Entries 78
Mean 0.002309
Std Dev 0.3268

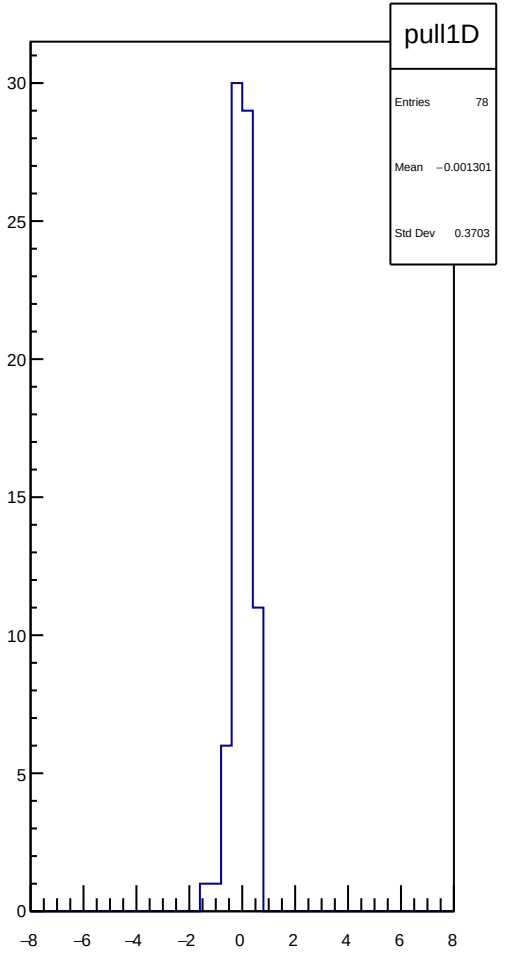

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.065 / 77
p0 −8.537 ± 0.7739
pull
Entries 78
Mean −7.006
Std Dev 55.16

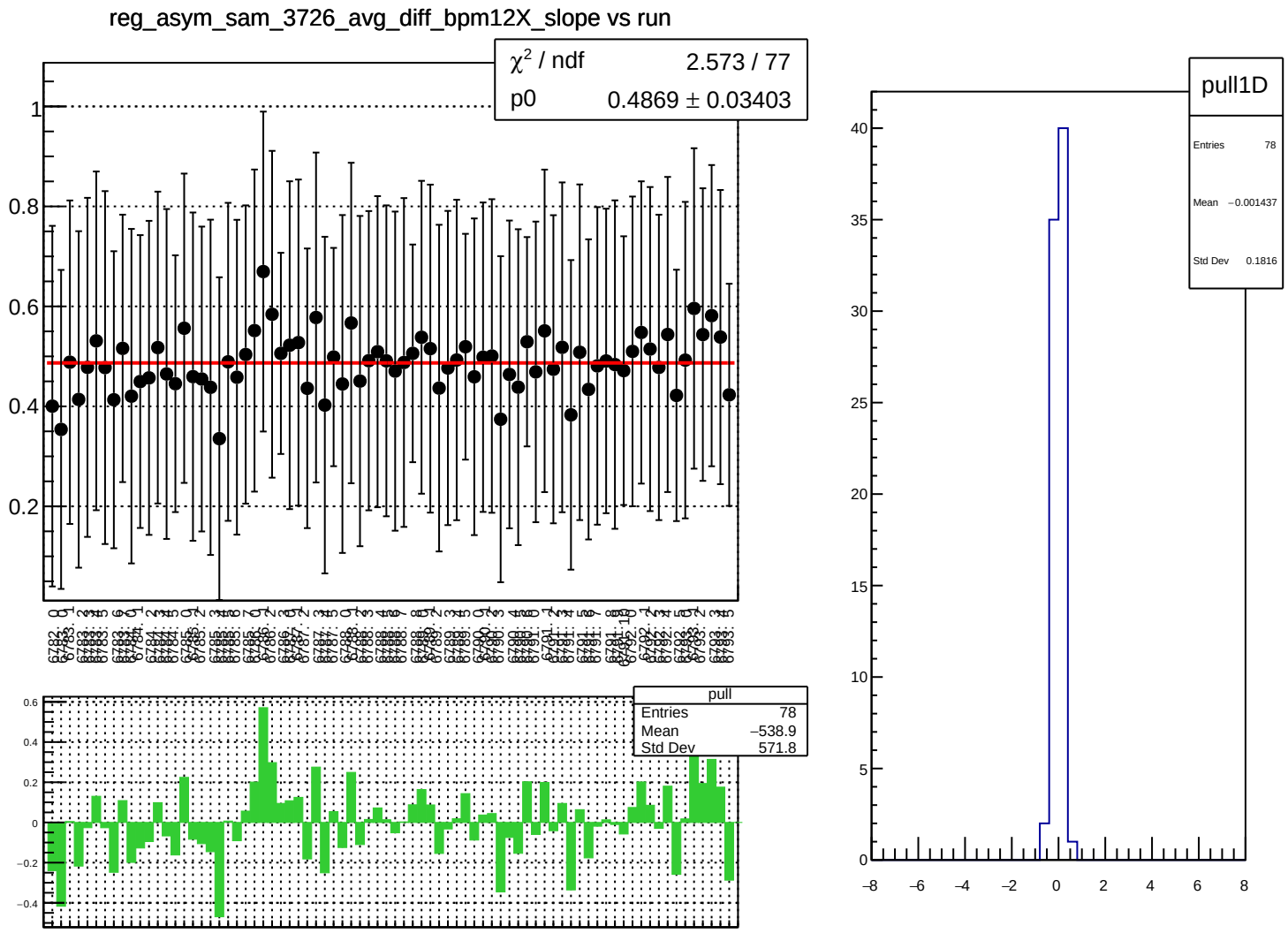

pull1D
Entries 78
Mean 0.006823
Std Dev 0.2282

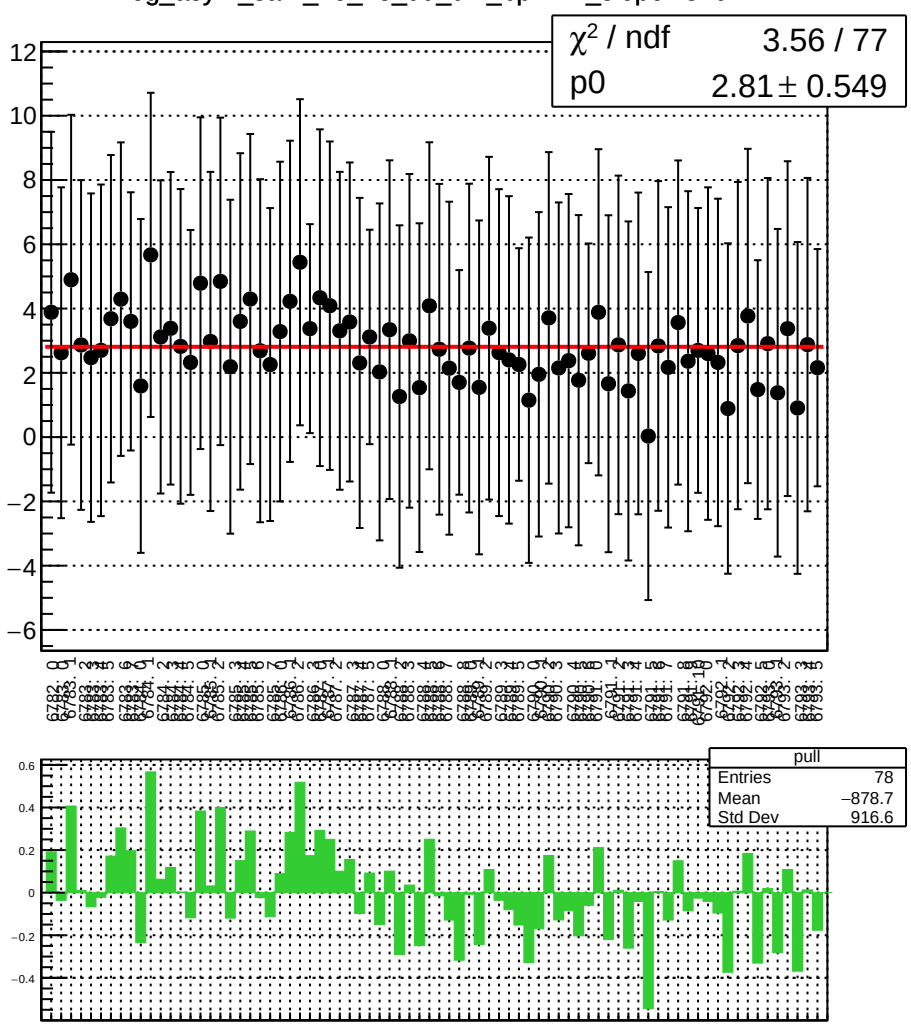

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.272 / 77
p0 2.985 ± 0.3662
pull
Entries 78
Mean −323.3
Std Dev 358.3
pull1D
Entries 78
Mean −0.008186
Std Dev 0.3255

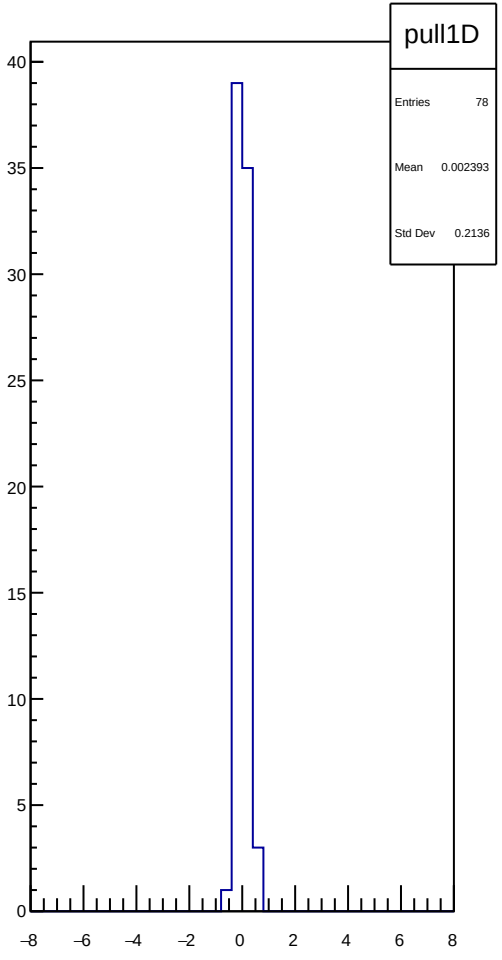

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.455 / 77
p0 −62.63 ± 0.7226
pull
Entries 78
Mean −79.88
Std Dev 107.8
pull1D
Entries 78
Mean −0.0159
Std Dev 0.3289

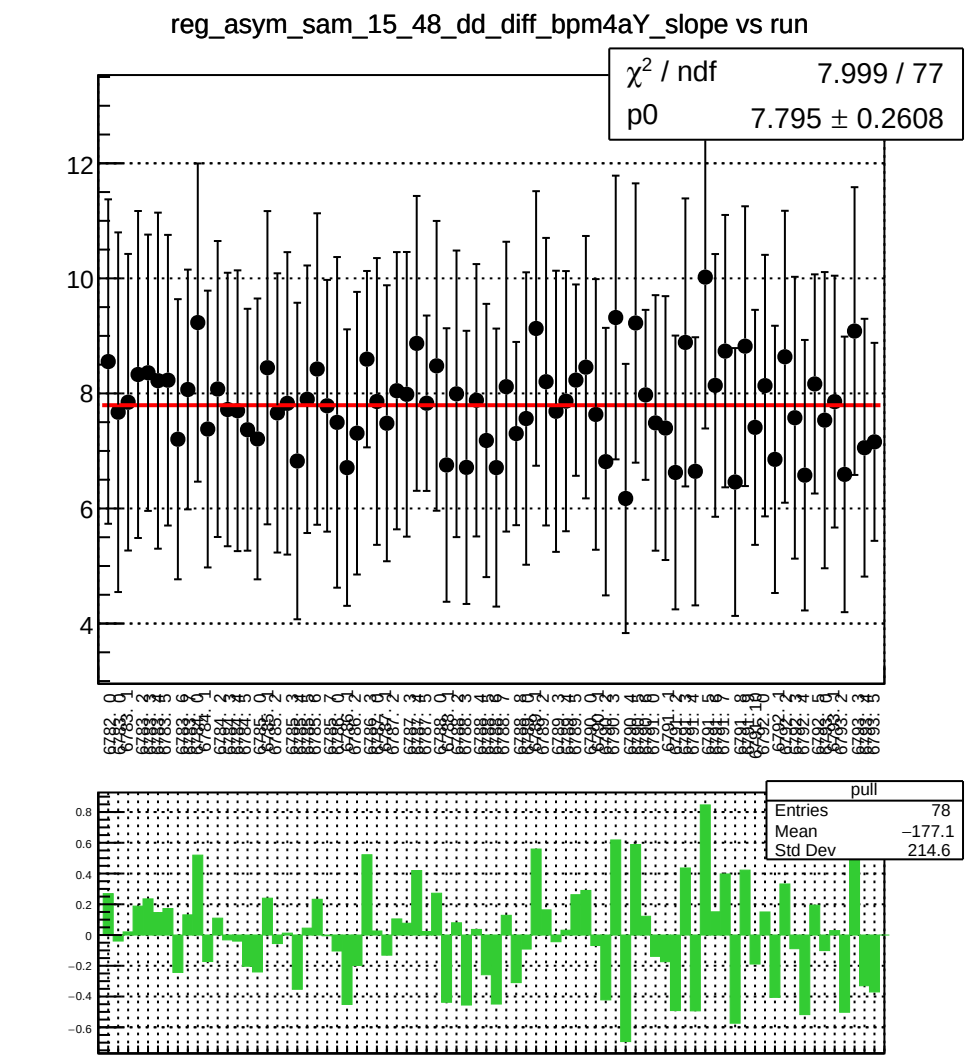

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.7 / 77
p0 −15.66 ± 0.5056
pull
Entries 78
Mean −65.98
Std Dev 154.3

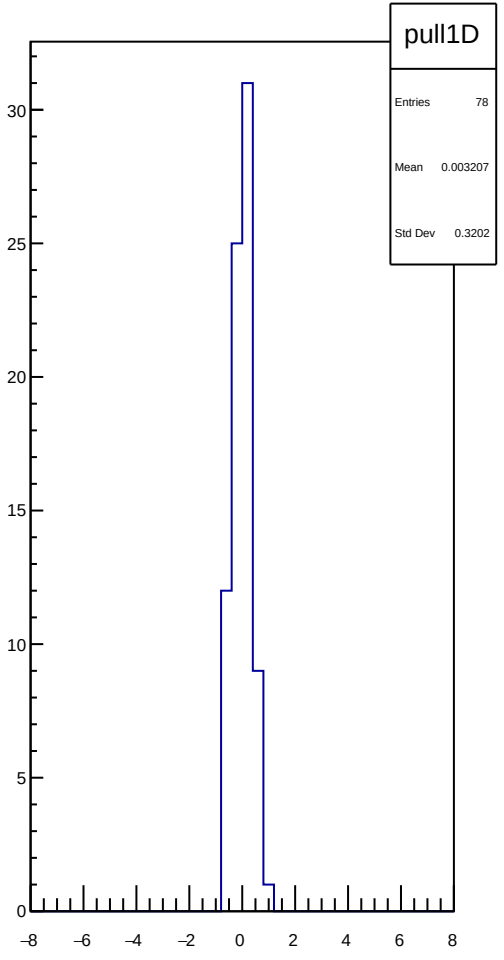

pull1D
Entries 78
Mean −0.001301
Std Dev 0.3703

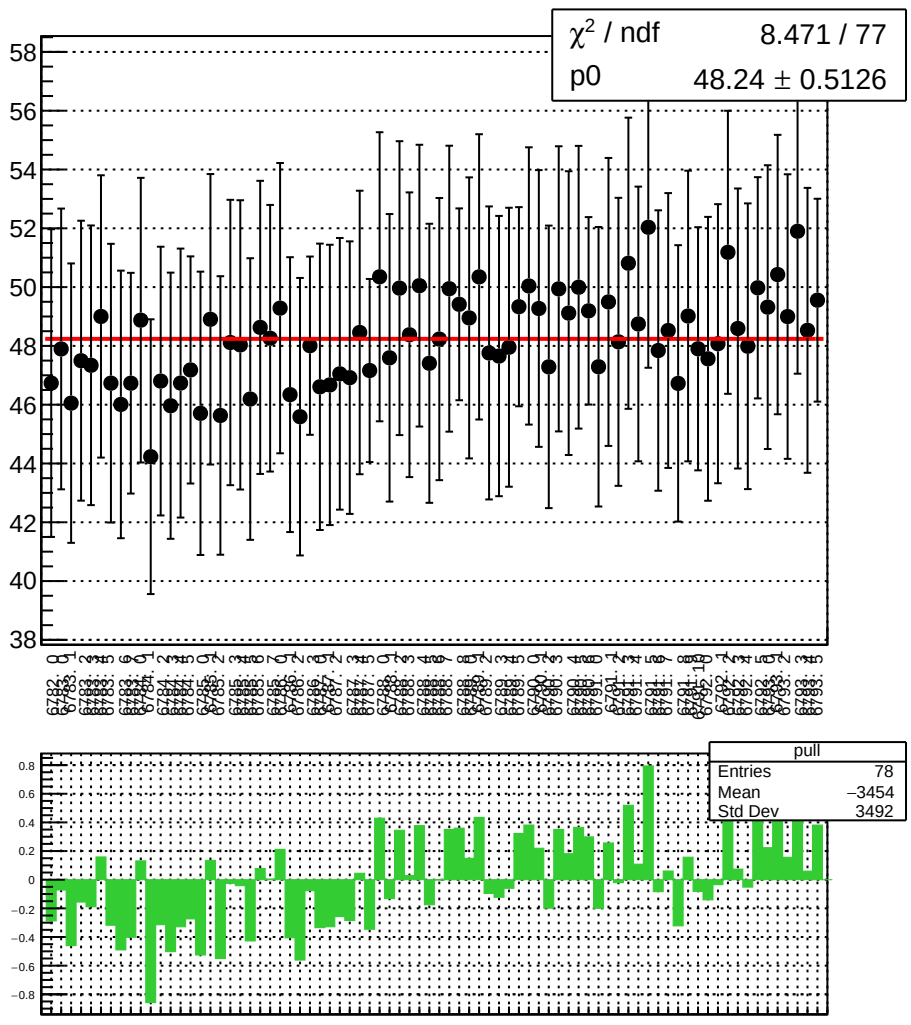

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.573 / 77
p0 0.4869 ± 0.03403
pull
Entries 78
Mean −538.9
Std Dev 571.8
pull1D
Entries 78
Mean −0.001437
Std Dev 0.1816

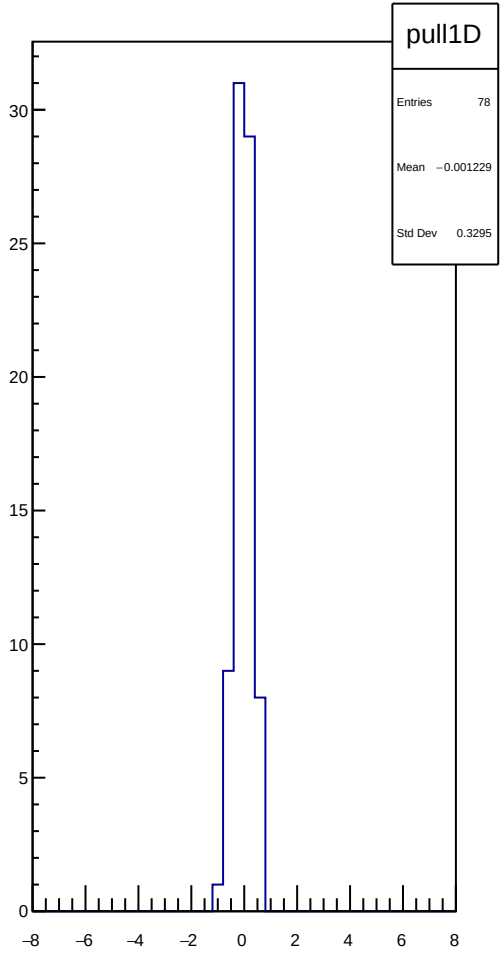

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.56 / 77
p0 2.81 ± 0.549
pull
Entries 78
Mean −878.7
Std Dev 916.6

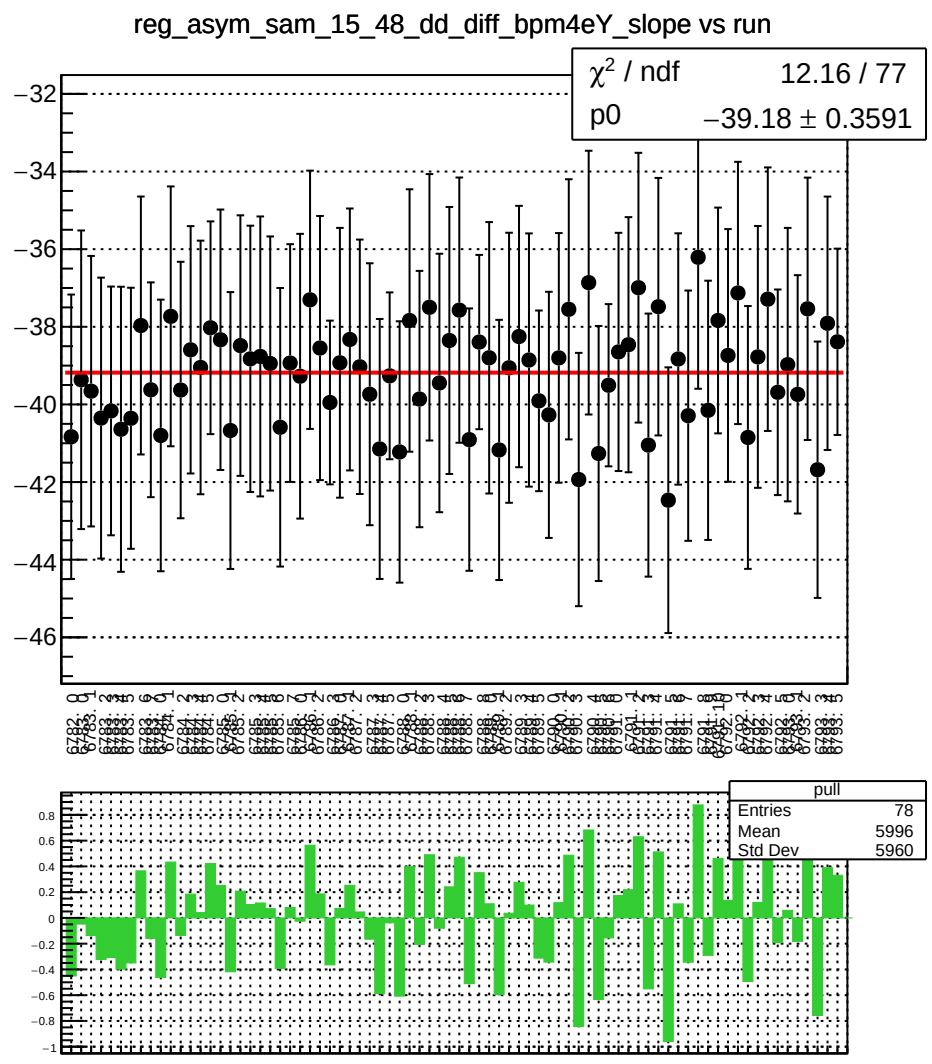

pull1D
Entries 78
Mean 0.002393
Std Dev 0.2136

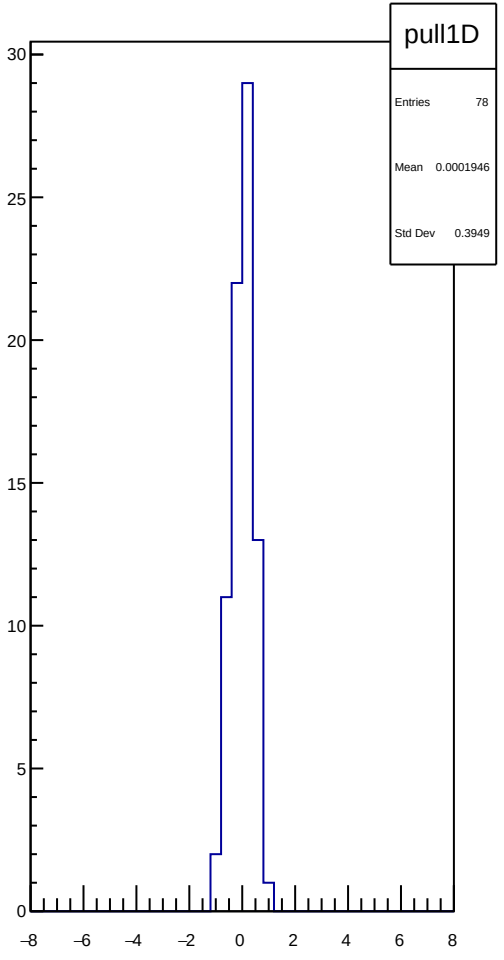

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.999 / 77
p0 7.795 ± 0.2608
pull
Entries 78
Mean −177.1
Std Dev 214.6

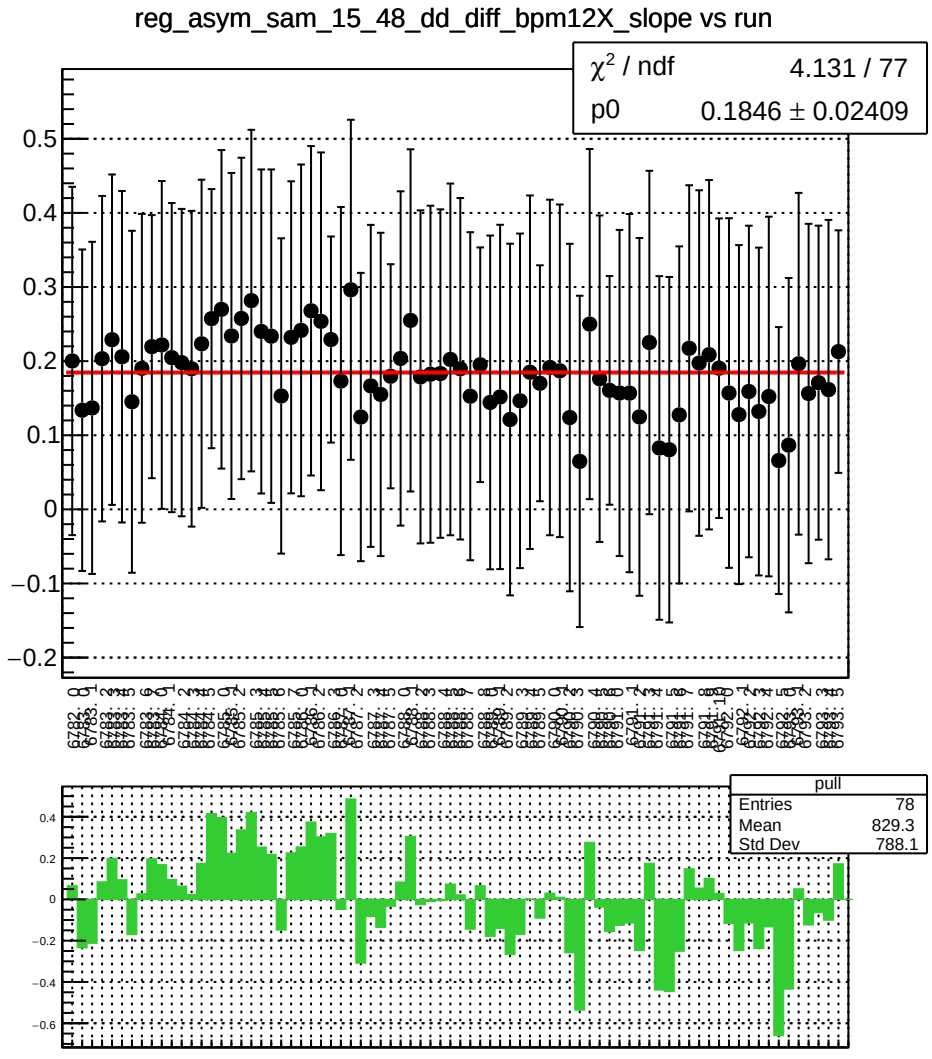

pull1D
Entries 78
Mean 0.003207
Std Dev 0.3202

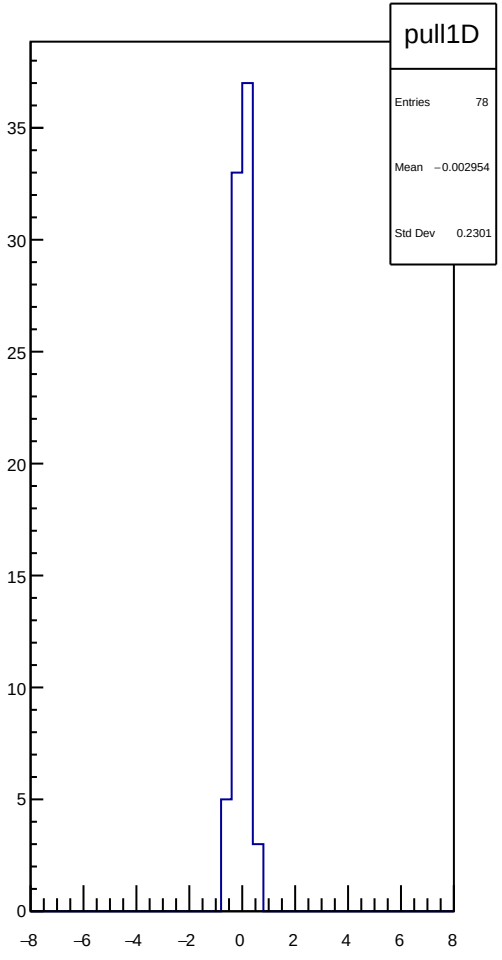

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.471 / 77
p0 48.24 ± 0.5126
pull
Entries 78
Mean −3454
Std Dev 3492

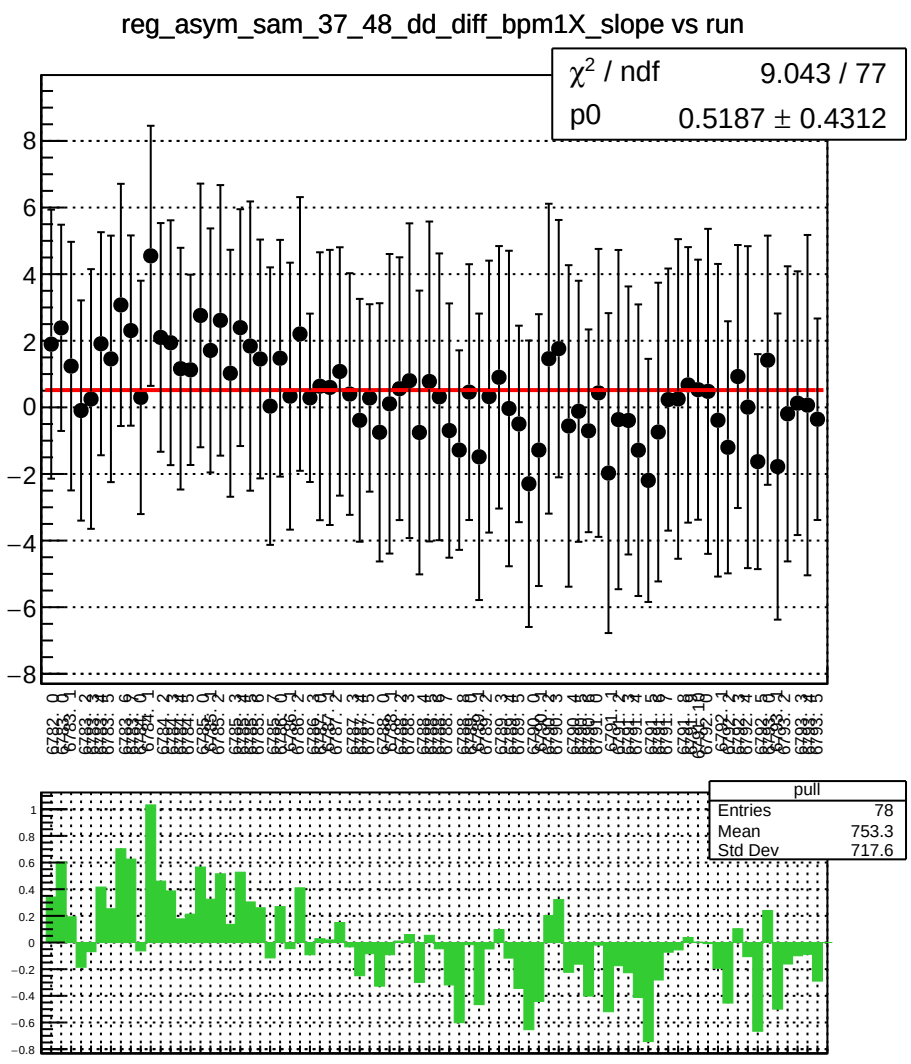

pull1D
Entries 78
Mean −0.001229
Std Dev 0.3295

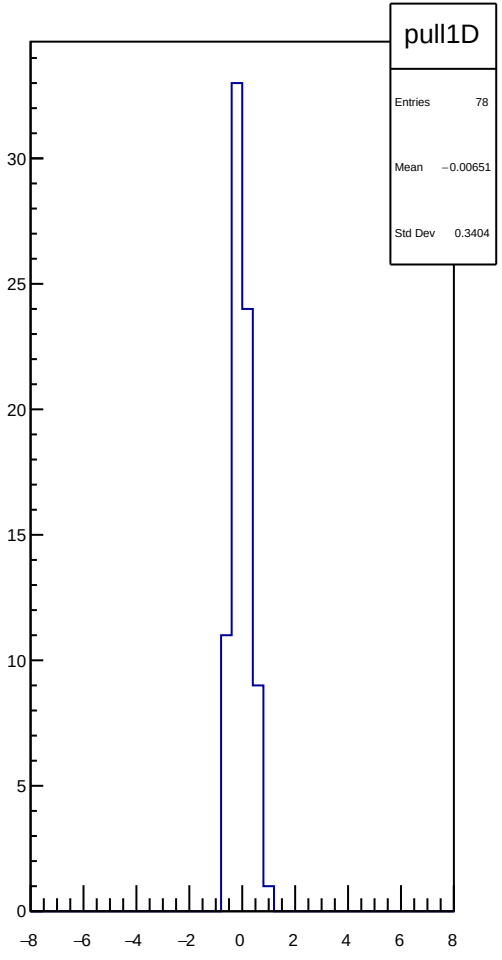

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.16 / 77
p0 −39.18 ± 0.3591
pull
Entries 78
Mean 5996
Std Dev 5960

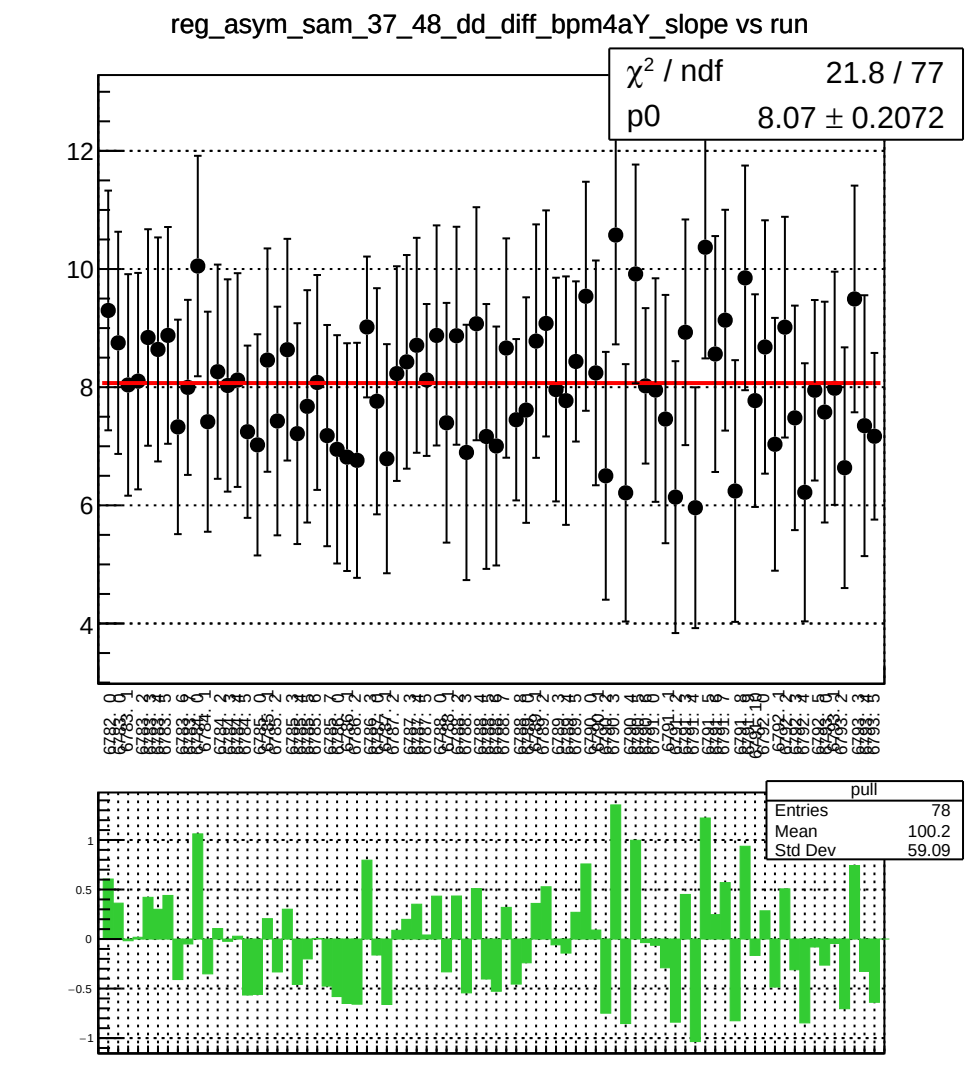

pull1D
Entries 78
Mean 0.0001946
Std Dev 0.3949

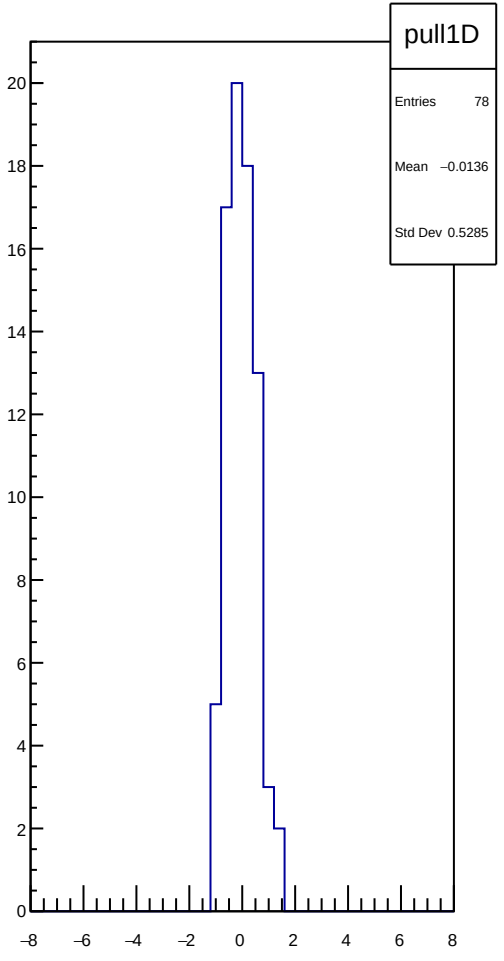

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.131 / 77
p0 0.1846 ± 0.02409
pull
Entries 78
Mean 829.3
Std Dev 788.1

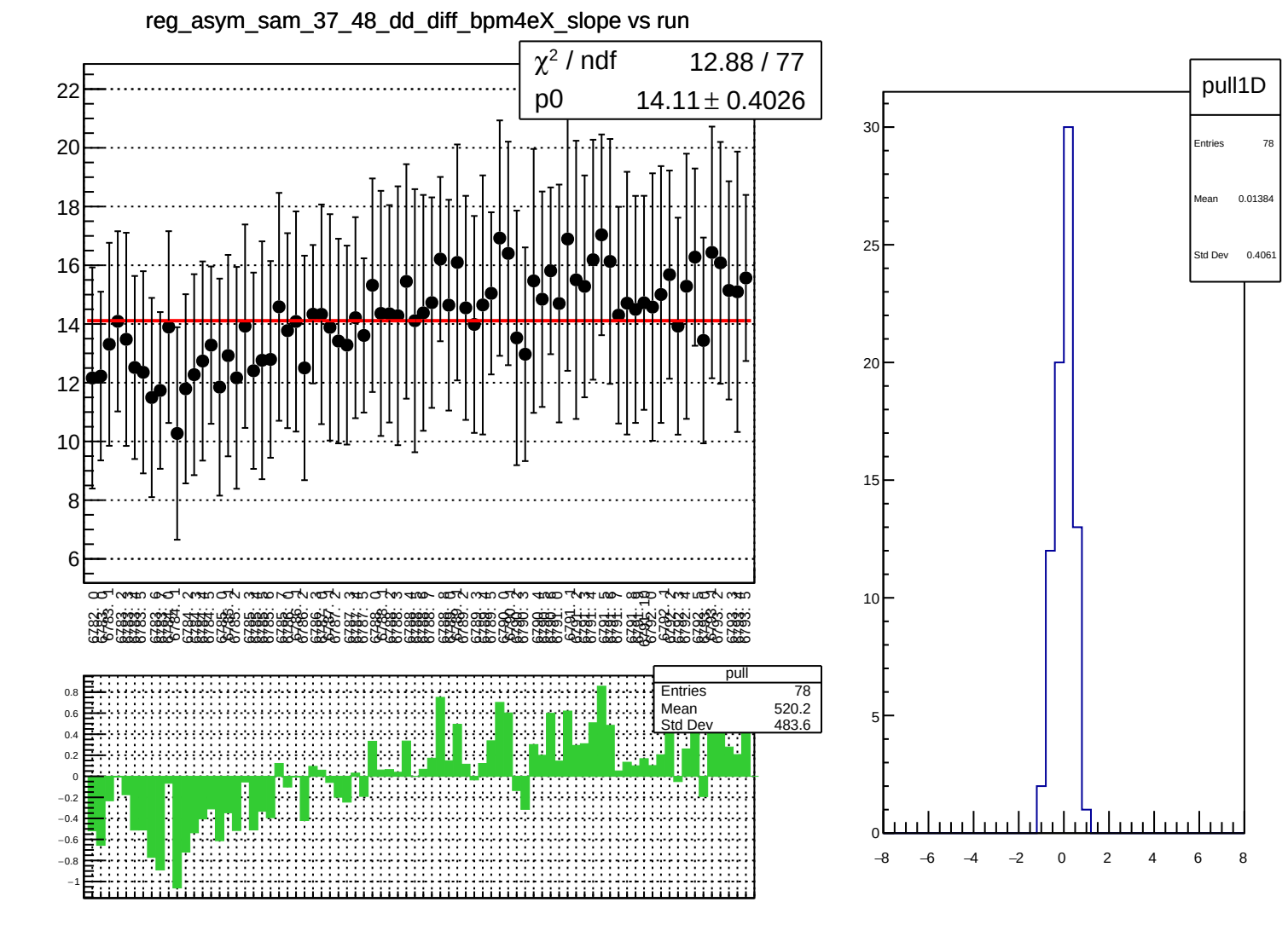

pull1D
Entries 78
Mean −0.002954
Std Dev 0.2301

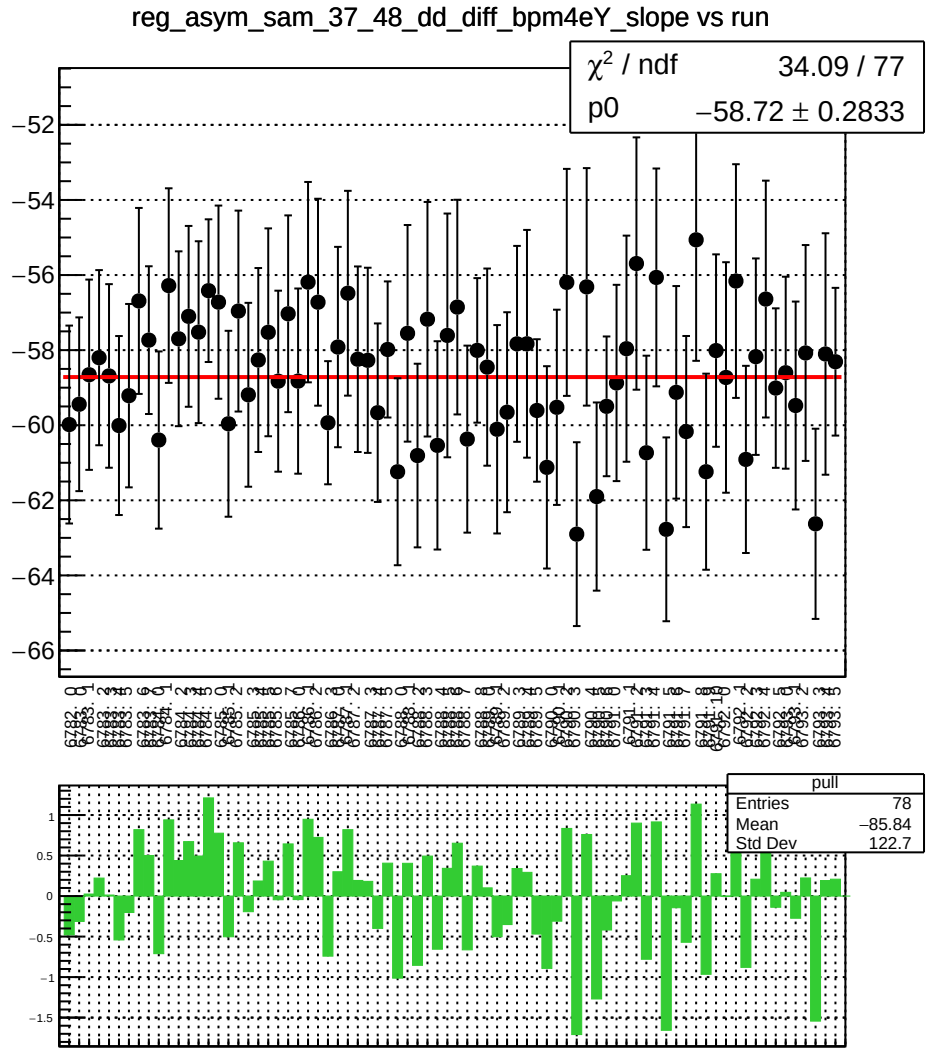

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.043 / 77
p0 0.5187 ± 0.4312
pull
Entries 78
Mean 753.3
Std Dev 717.6

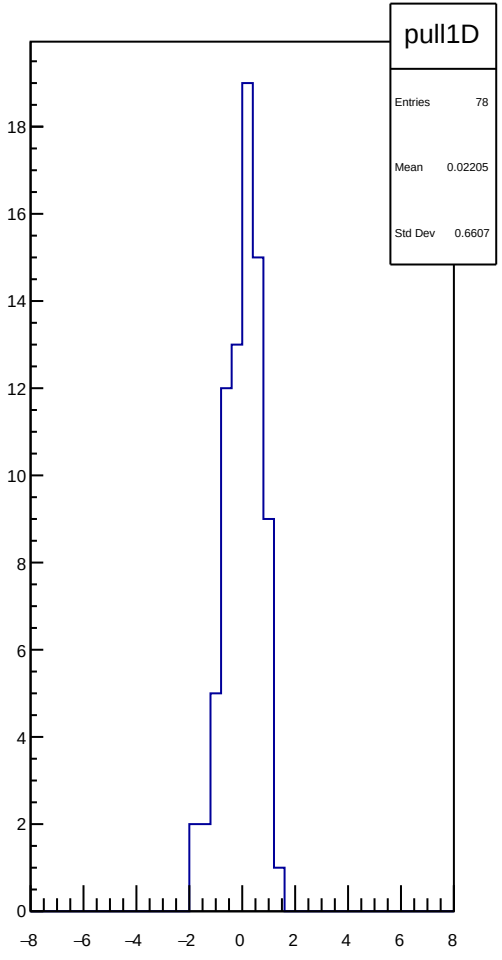

pull1D
Entries 78
Mean −0.00651
Std Dev 0.3404

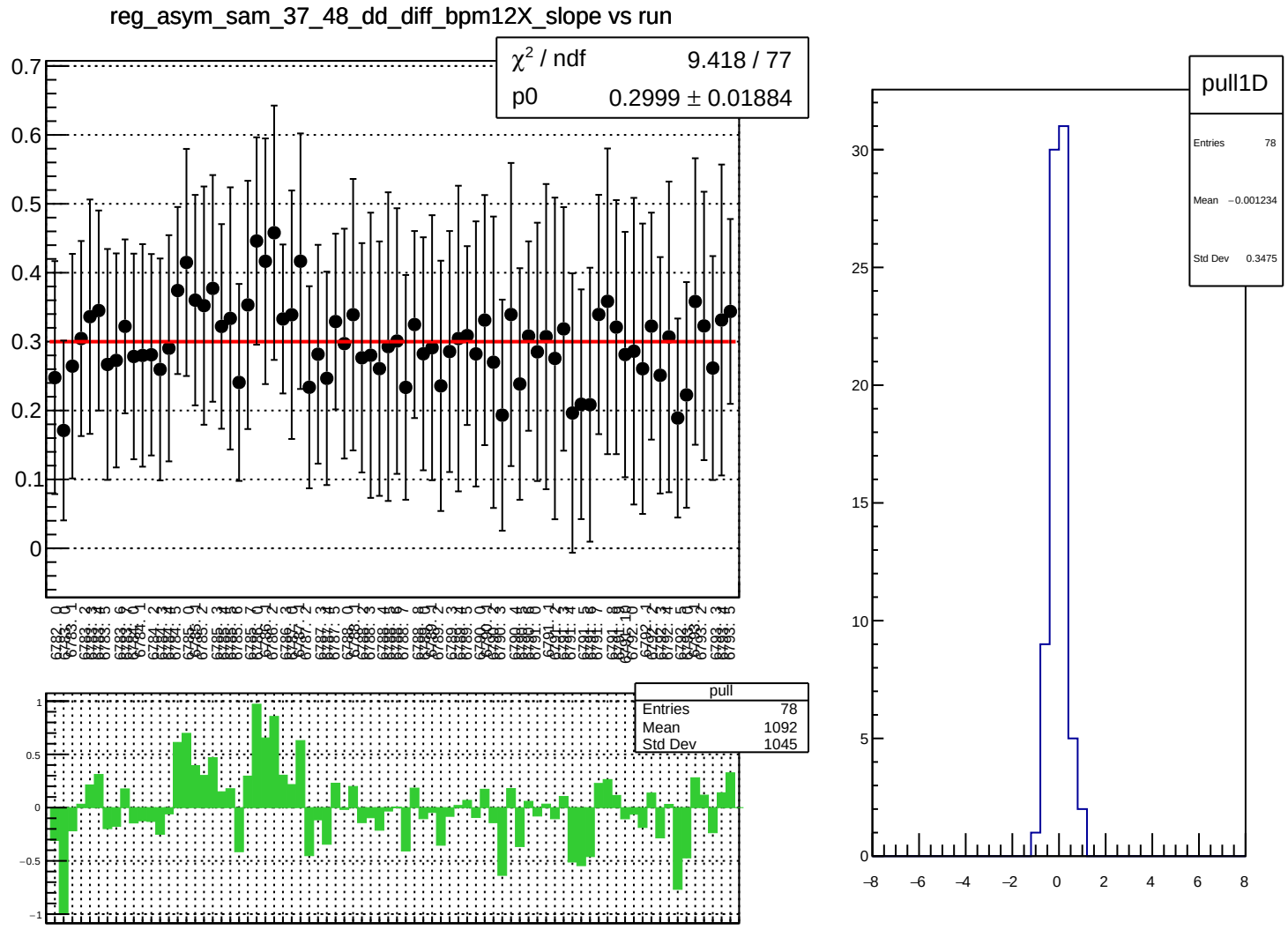

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.8 / 77
p0 8.07 ± 0.2072
pull
Entries 78
Mean 100.2
Std Dev 59.09

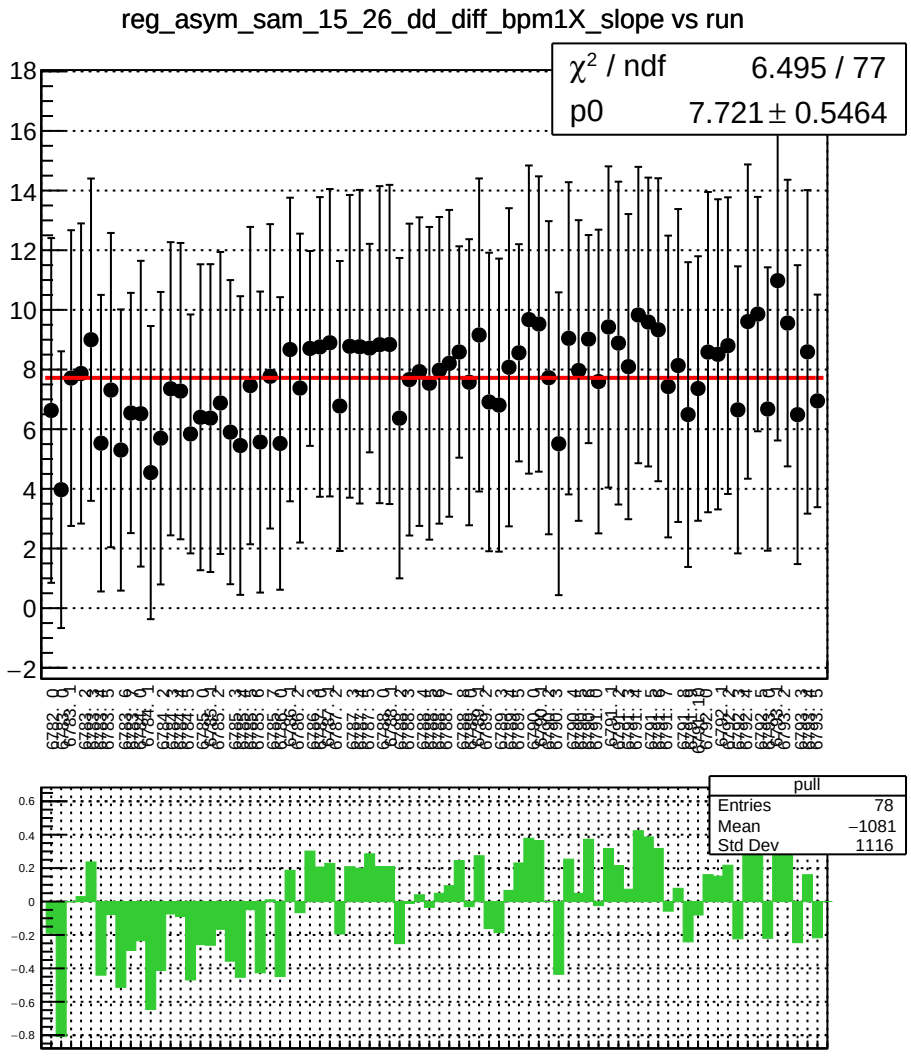

pull1D
Entries 78
Mean −0.0136
Std Dev 0.5285

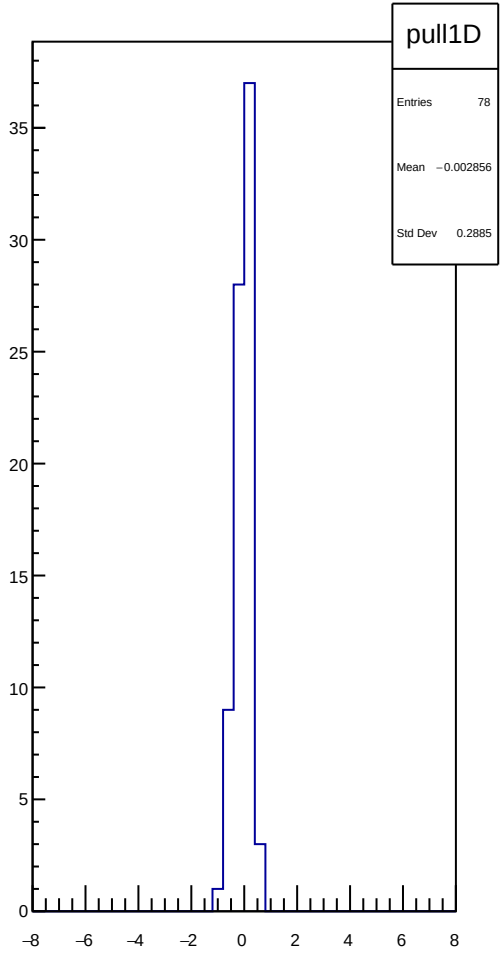

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.88 / 77
p0 14.11 ± 0.4026
pull
Entries 78
Mean 520.2
Std Dev 483.6
pull1D
Entries 78
Mean 0.01384
Std Dev 0.4061

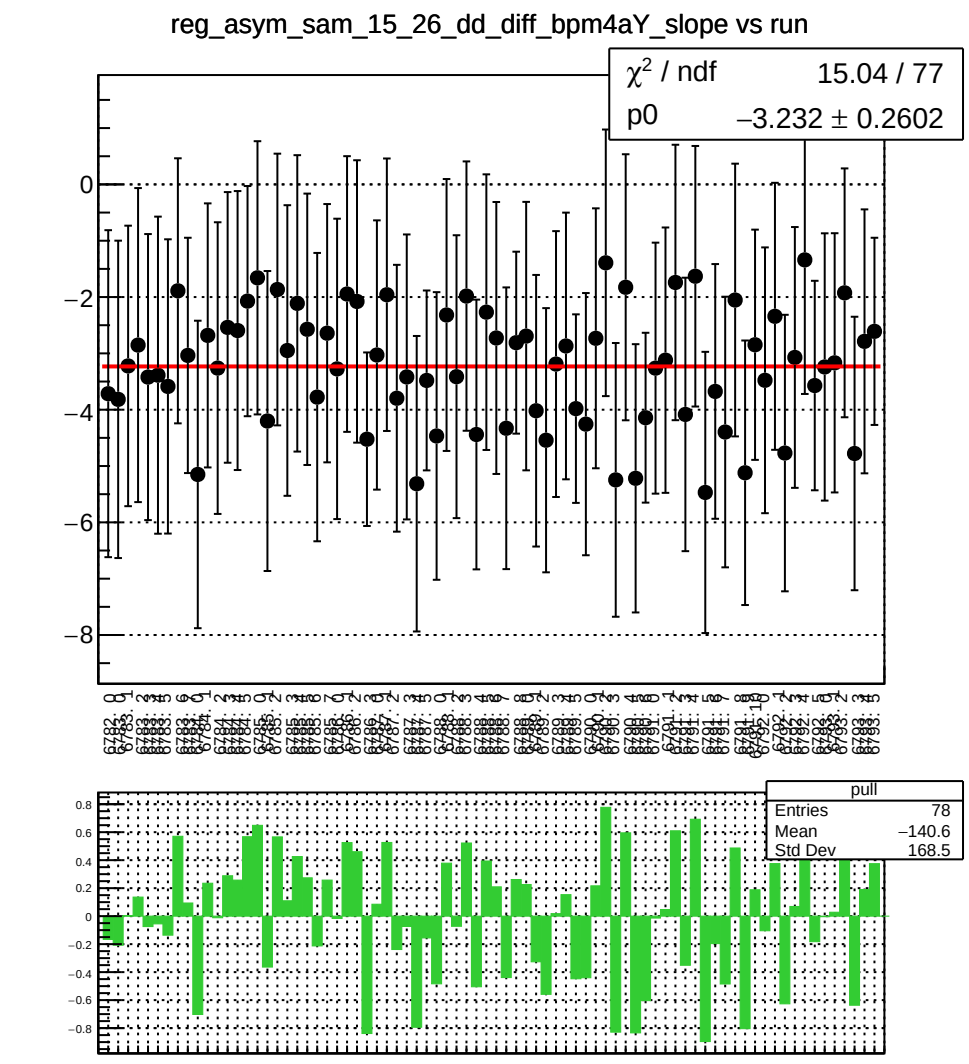

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.09 / 77
p0 −58.72 ± 0.2833
pull
Entries 78
Mean −85.84
Std Dev 122.7

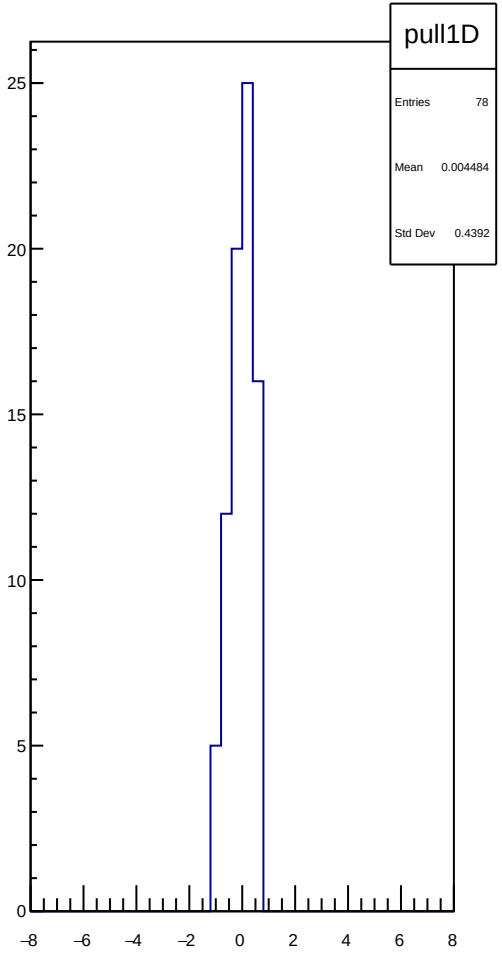

pull1D
Entries 78
Mean 0.02205
Std Dev 0.6607

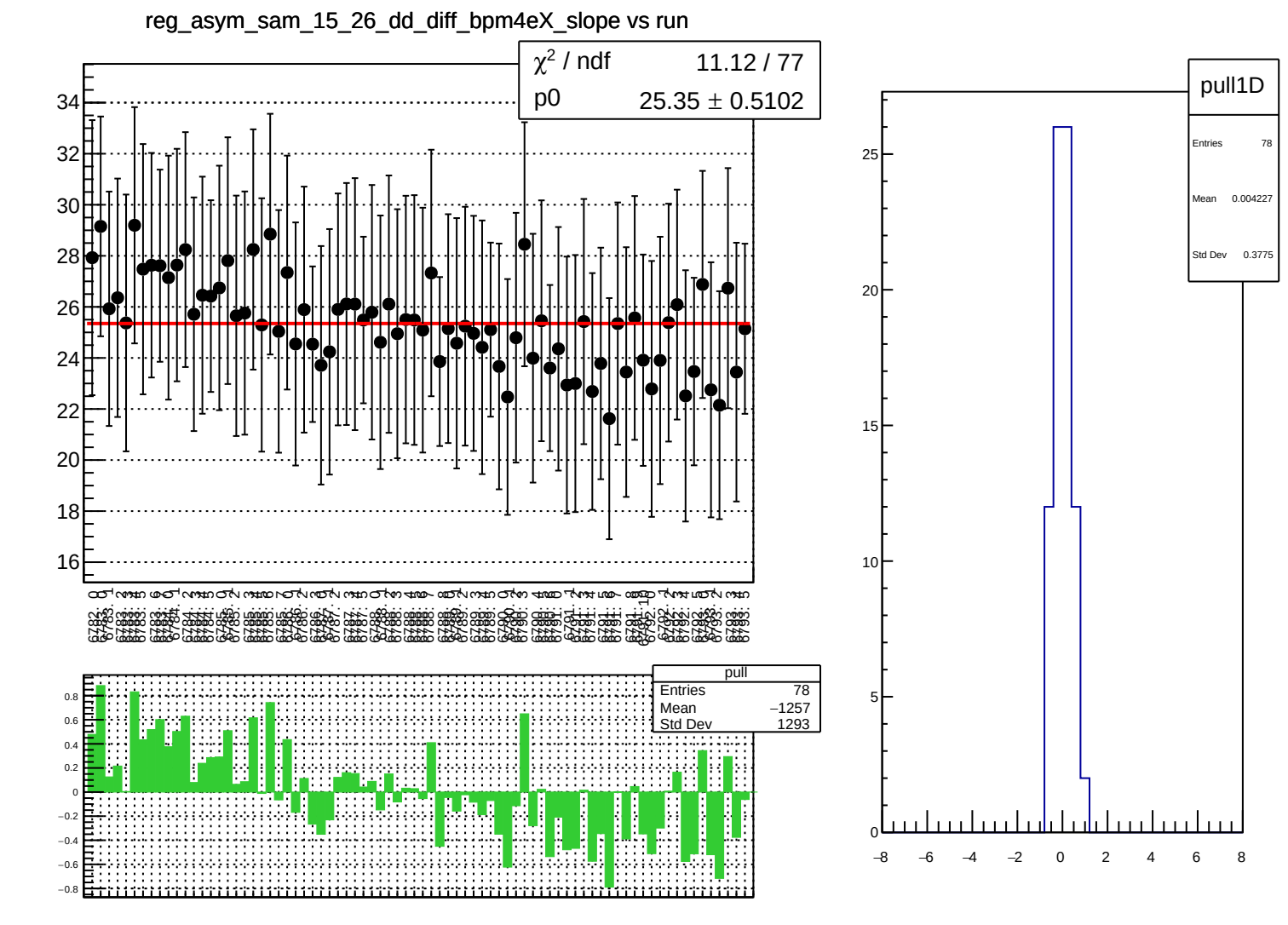

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.418 / 77
p0 0.2999 ± 0.01884
pull
Entries 78
Mean 1092
Std Dev 1045
pull1D
Entries 78
Mean −0.001234
Std Dev 0.3475

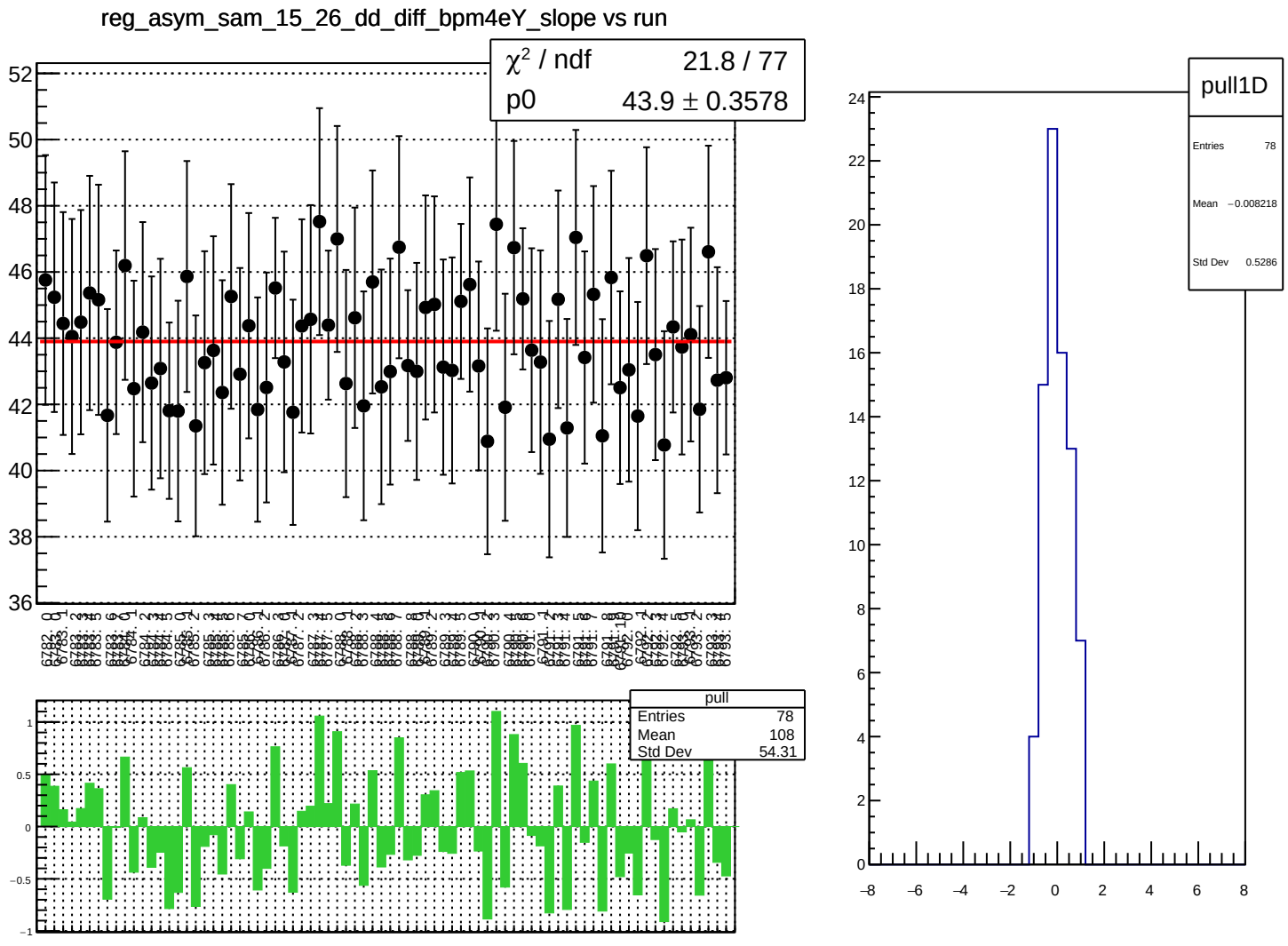

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.495 / 77
p0 7.721 ± 0.5464
pull
Entries 78
Mean −1081
Std Dev 1116

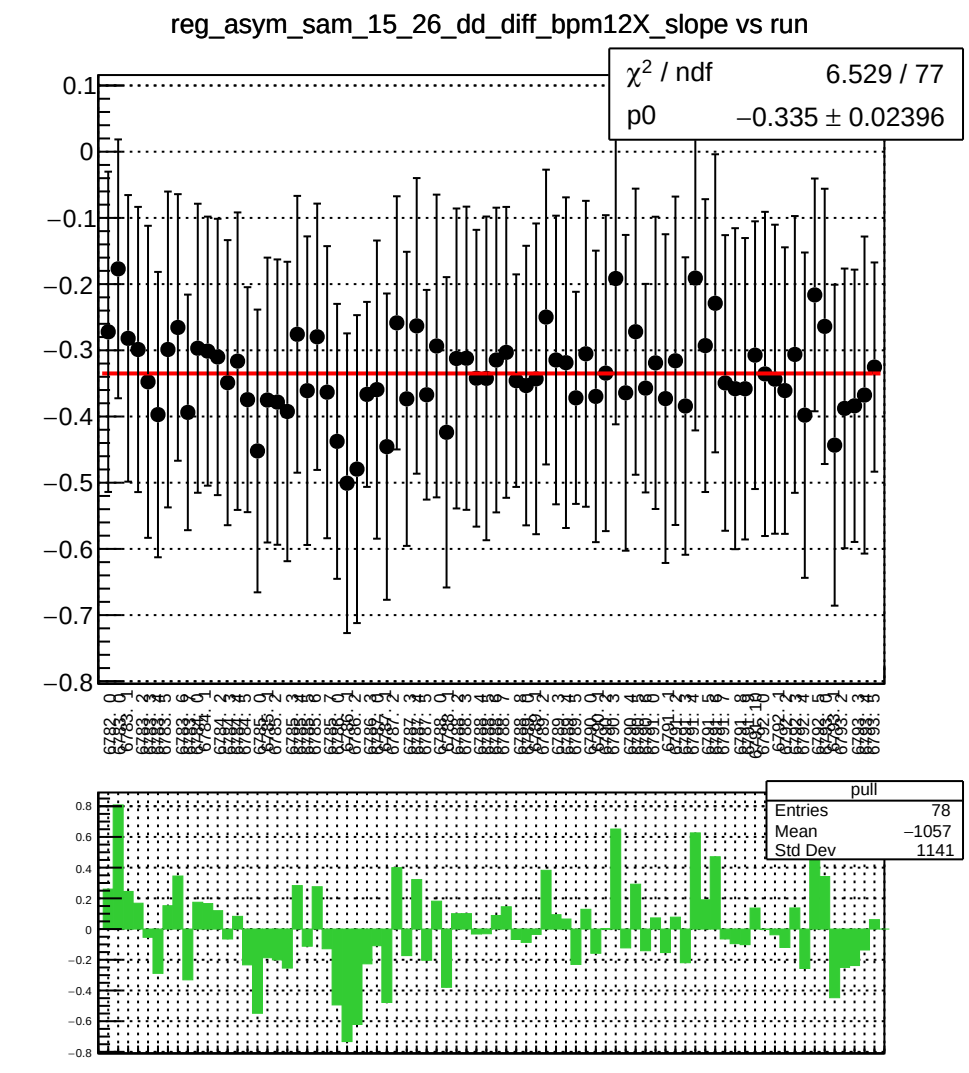

pull1D
Entries 78
Mean −0.002856
Std Dev 0.2885

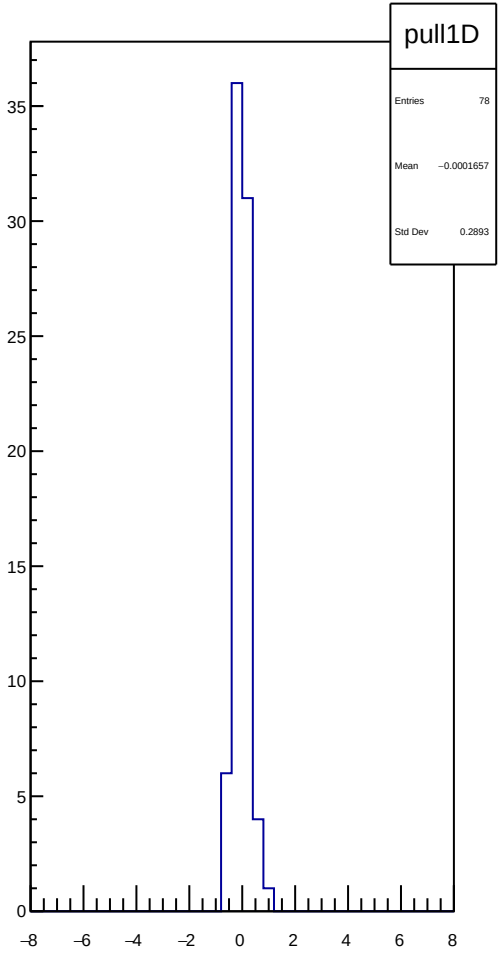

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.04 / 77
p0 −3.232 ± 0.2602
pull
Entries 78
Mean −140.6
Std Dev 168.5

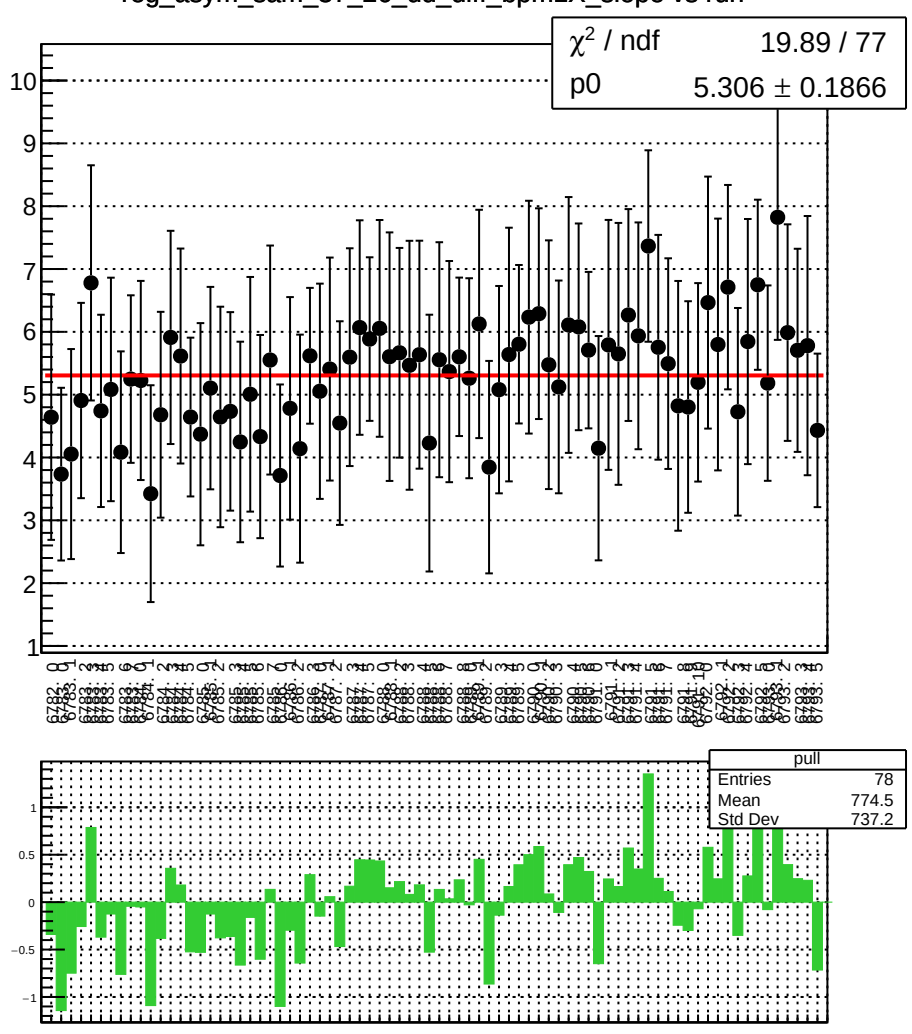

pull1D
Entries 78
Mean 0.004484
Std Dev 0.4392

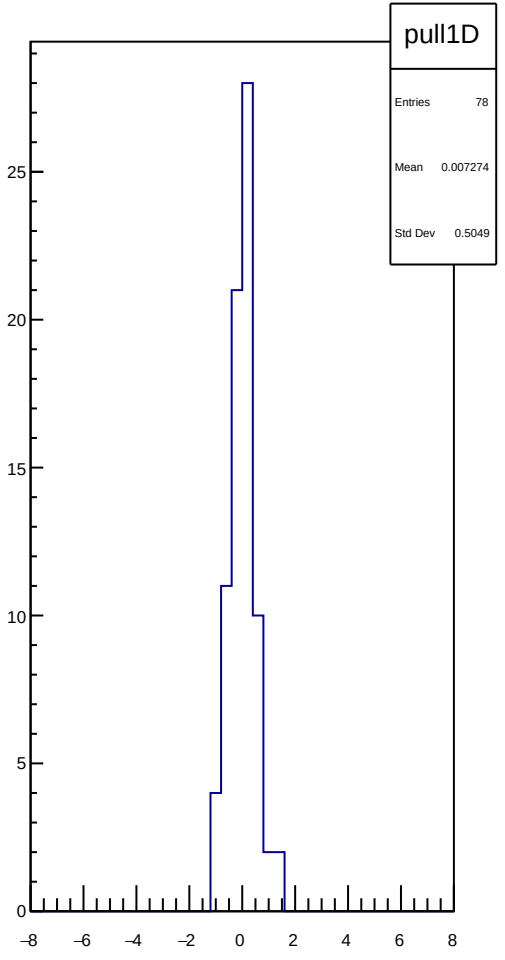

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.12 / 77
p0 25.35 ± 0.5102
pull
Entries 78
Mean −1257
Std Dev 1293
pull1D
Entries 78
Mean 0.004227
Std Dev 0.3775

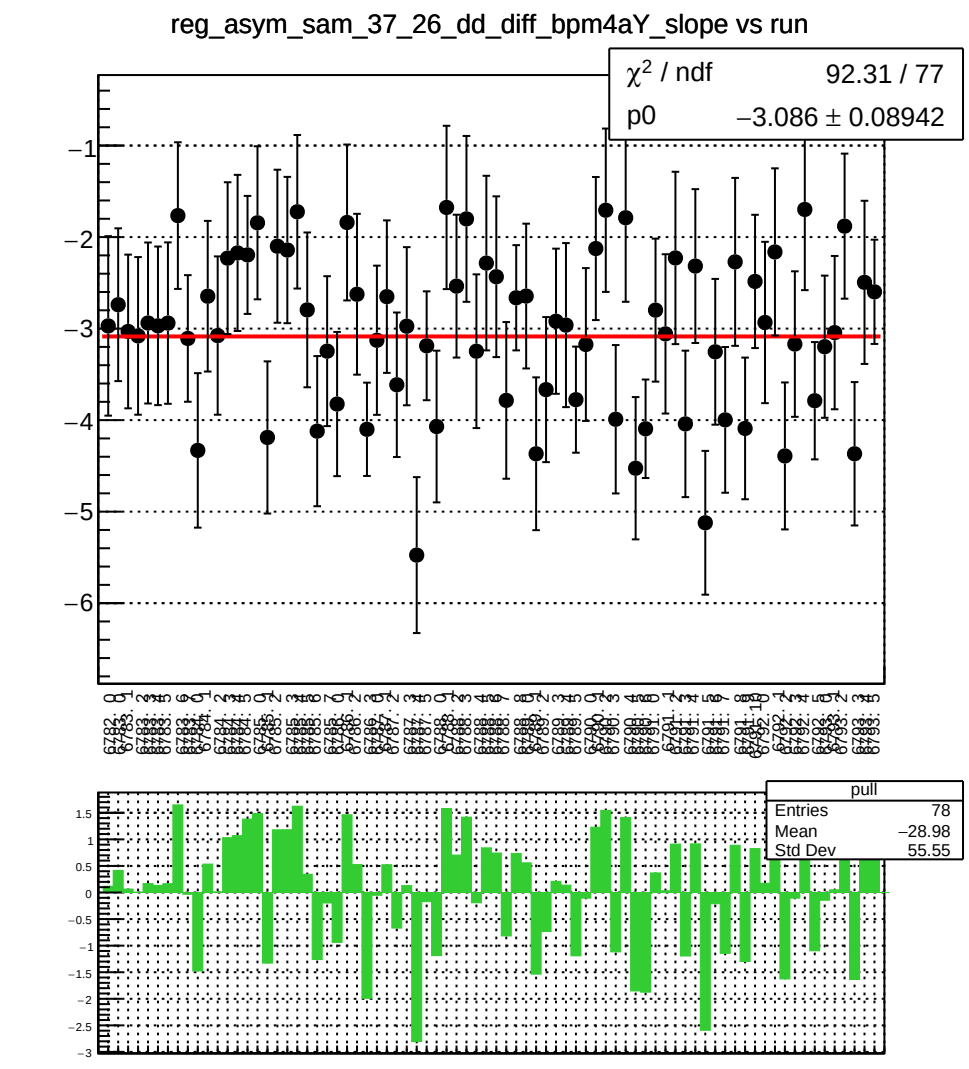

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.8 / 77
p0 43.9 ± 0.3578
pull
Entries 78
Mean 108
Std Dev 54.31
pull1D
Entries 78
Mean −0.008218
Std Dev 0.5286

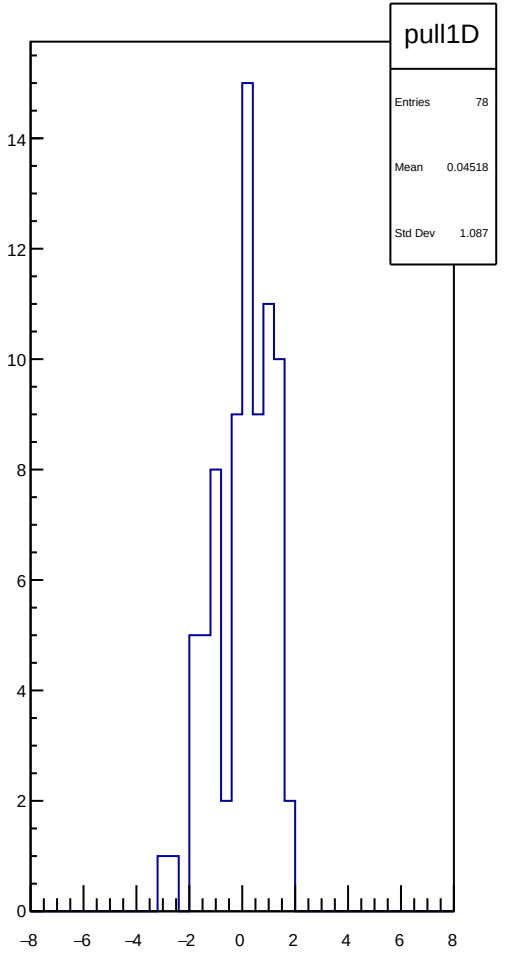

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.529 / 77
p0 −0.335 ± 0.02396
pull
Entries 78
Mean −1057
Std Dev 1141

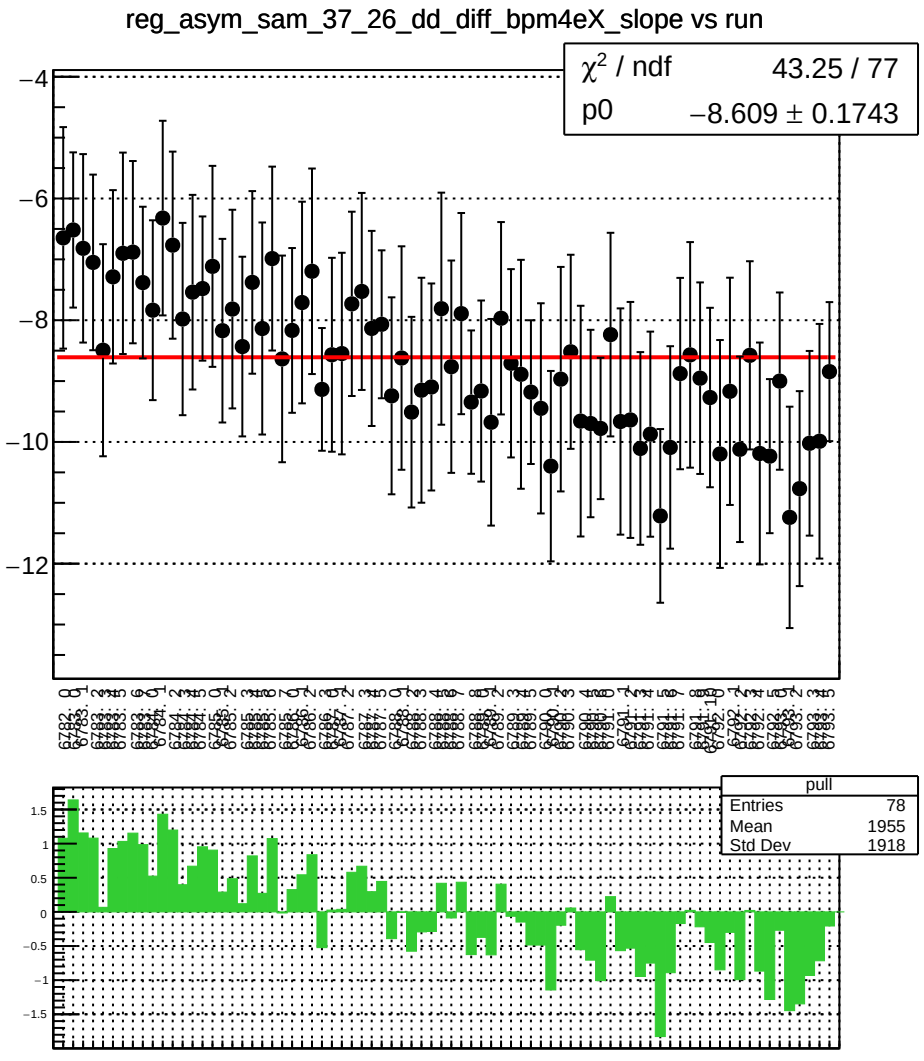

pull1D
Entries 78
Mean −0.0001657
Std Dev 0.2893

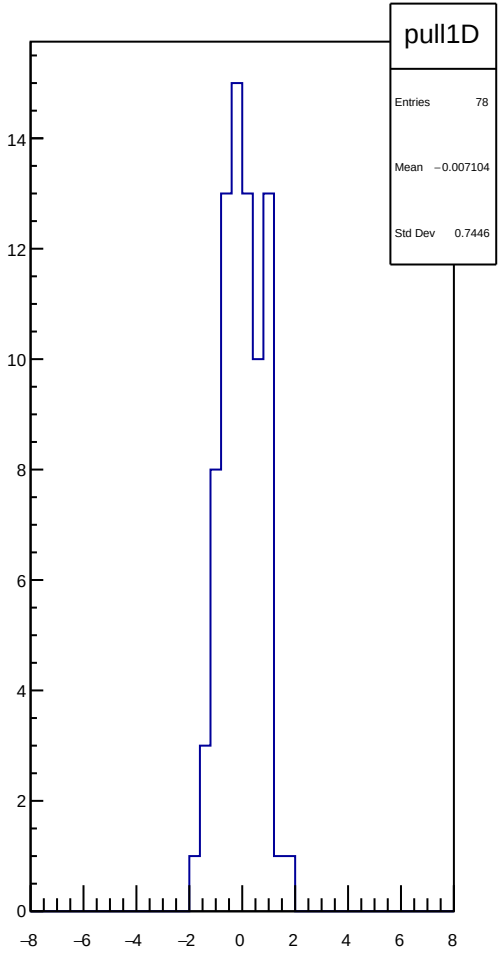

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 19.89 / 77
p0 5.306 ± 0.1866
pull
Entries 78
Mean 774.5
Std Dev 737.2

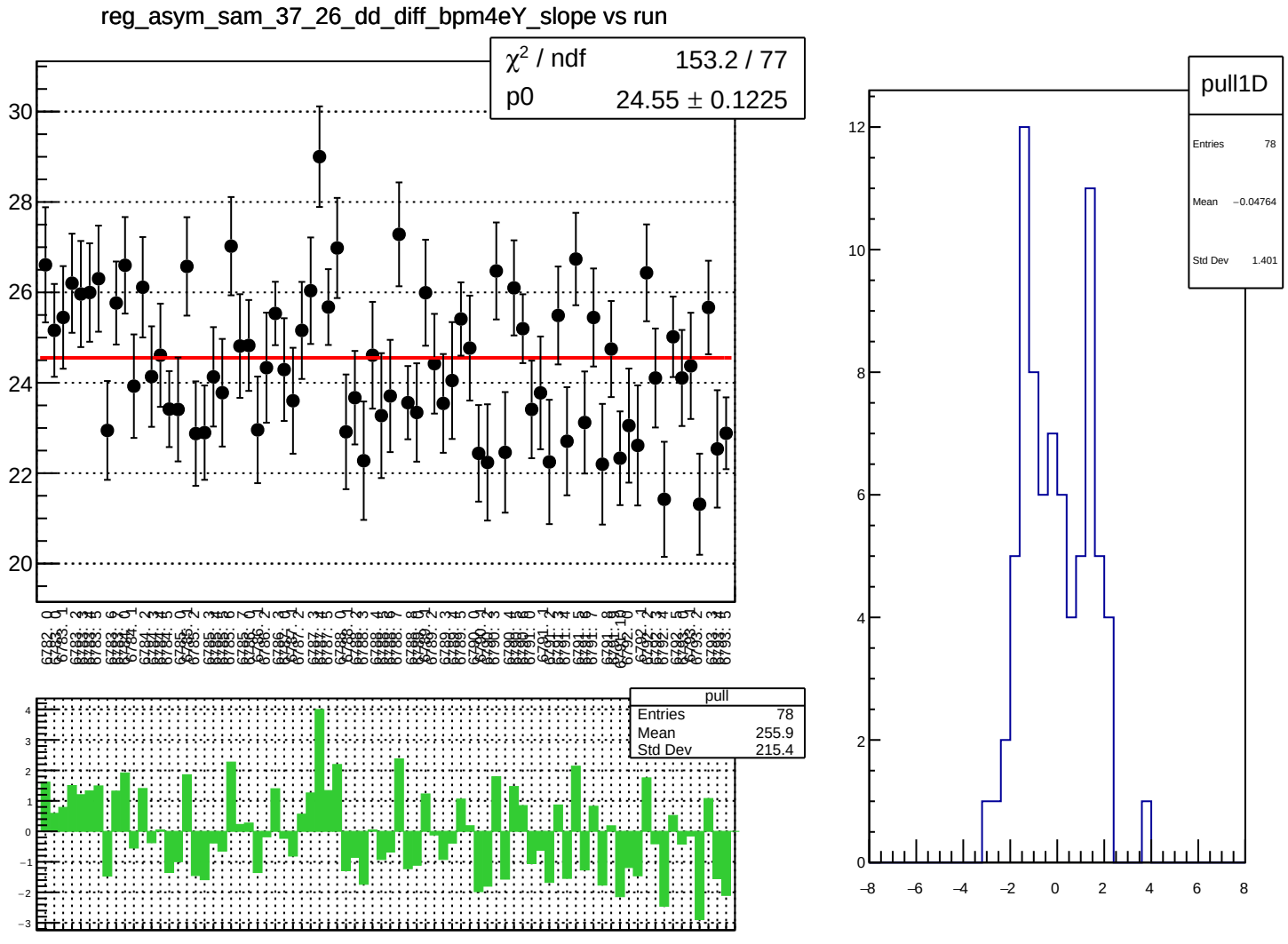

pull1D
Entries 78
Mean 0.007274
Std Dev 0.5049

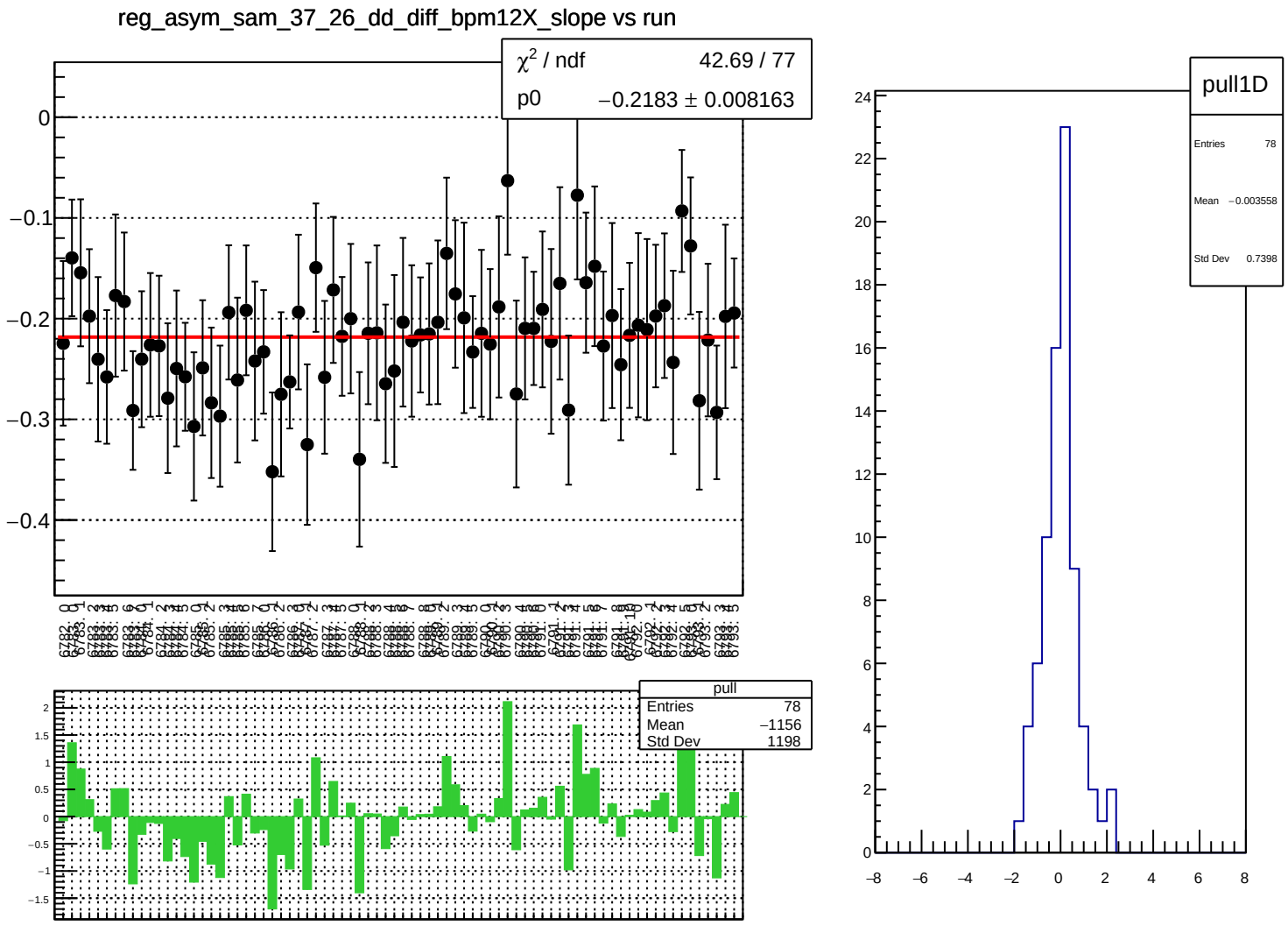

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.31 / 77
p0 −3.086 ± 0.08942
pull
Entries 78
Mean −28.98
Std Dev 55.55

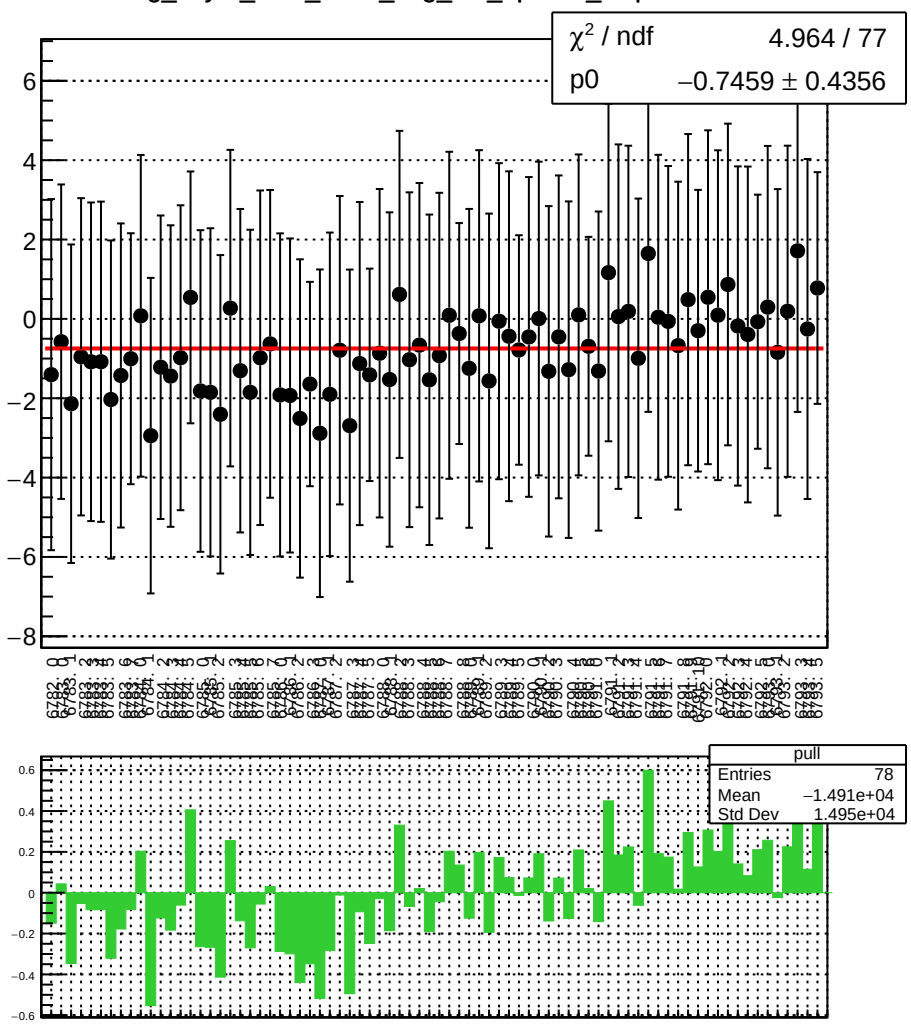

pull1D
Entries 78
Mean 0.04518
Std Dev 1.087

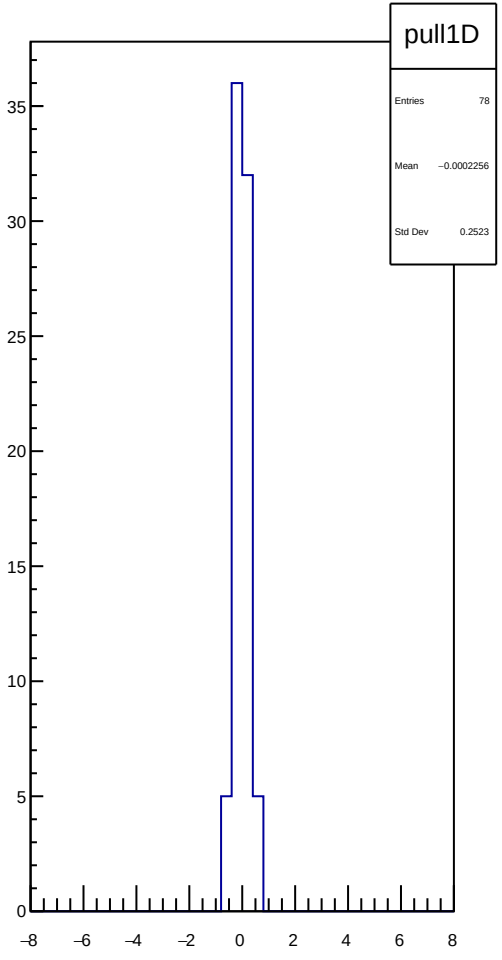

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.25 / 77
p0 −8.609 ± 0.1743
pull
Entries 78
Mean 1955
Std Dev 1918

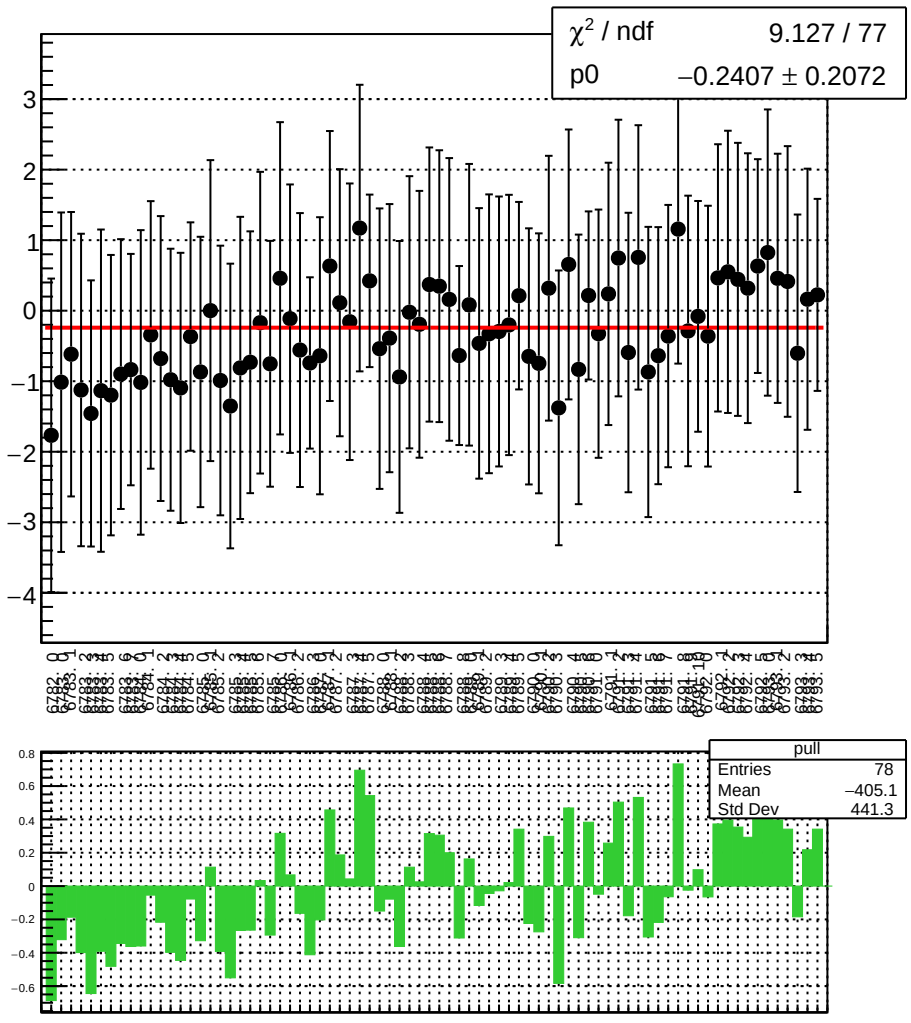

pull1D
Entries 78
Mean −0.007104
Std Dev 0.7446

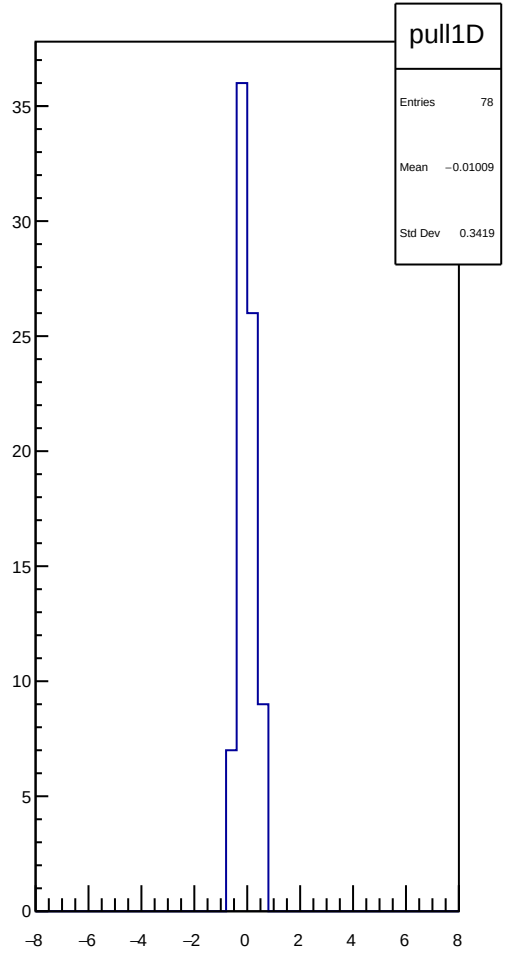

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 153.2 / 77
p0 24.55 ± 0.1225
pull
Entries 78
Mean 255.9
Std Dev 215.4
pull1D
Entries 78
Mean −0.04764
Std Dev 1.401

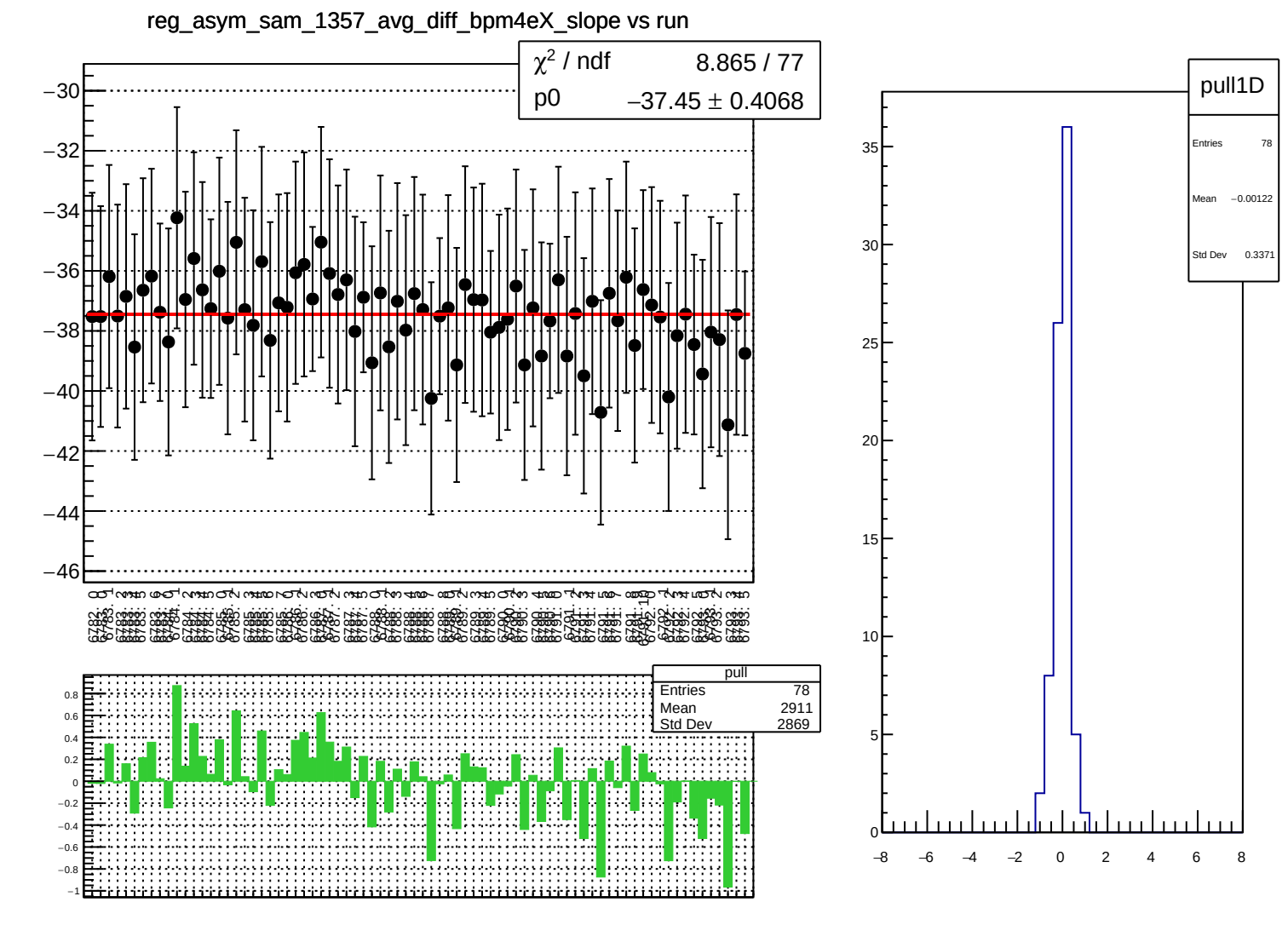

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 42.69 / 77
p0 −0.2183 ± 0.008163
pull
Entries 78
Mean −1156
Std Dev 1198
pull1D
Entries 78
Mean −0.003558
Std Dev 0.7398

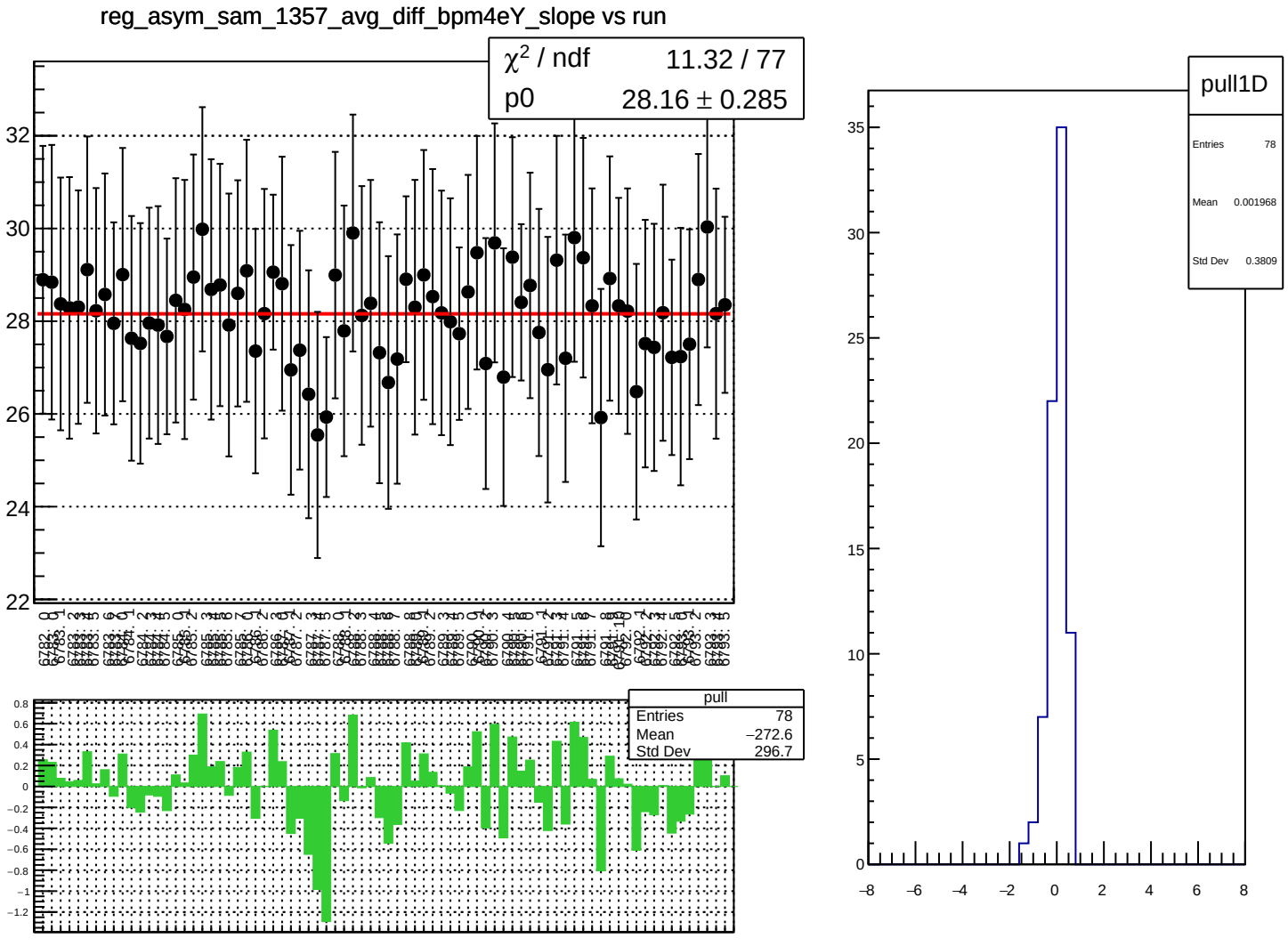

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.964 / 77
p0 −0.7459 ± 0.4356
pull
Entries 78
Mean −1.491e+04
Std Dev 1.495e+04

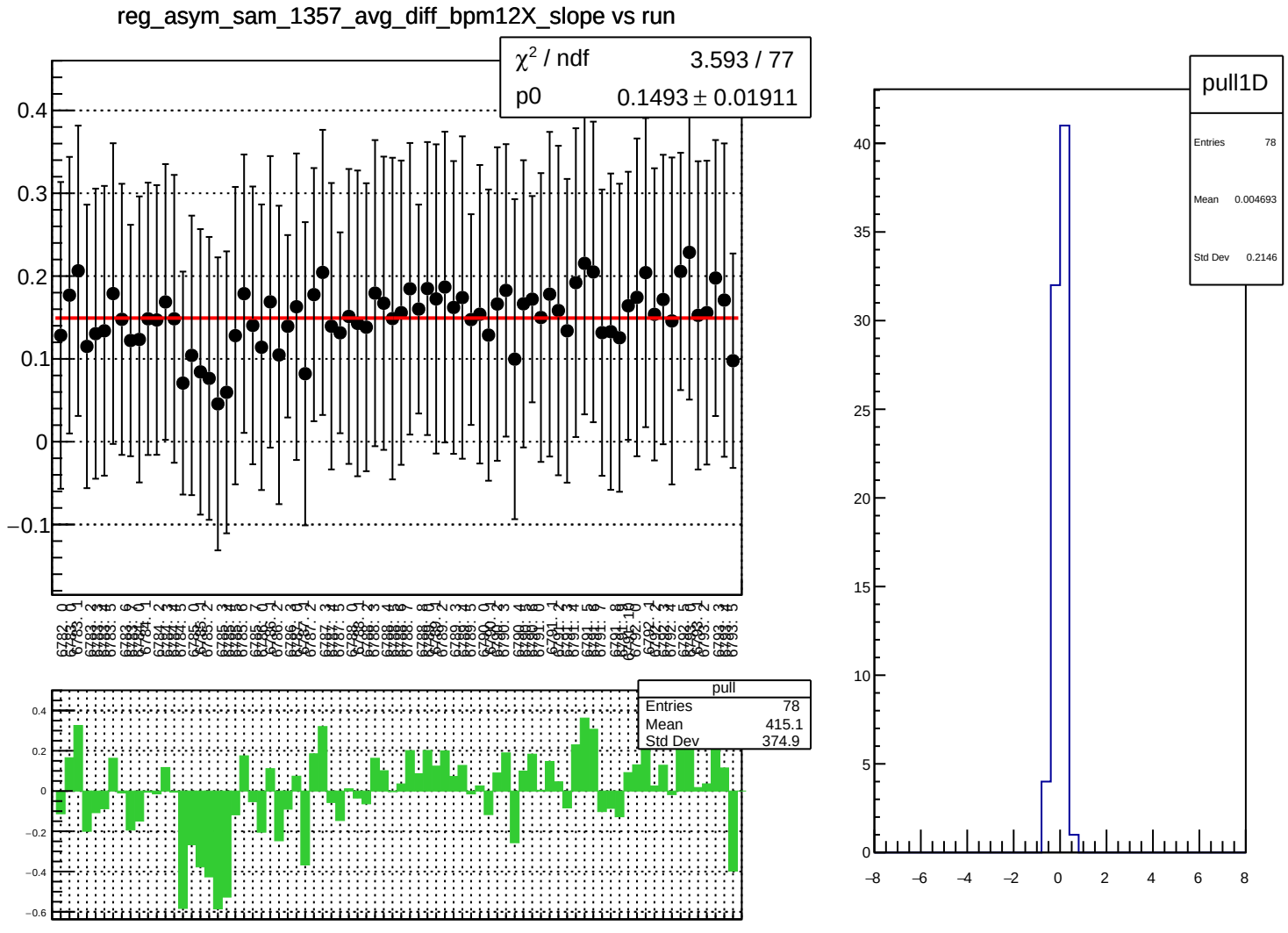

pull1D
Entries 78
Mean −0.0002256
Std Dev 0.2523

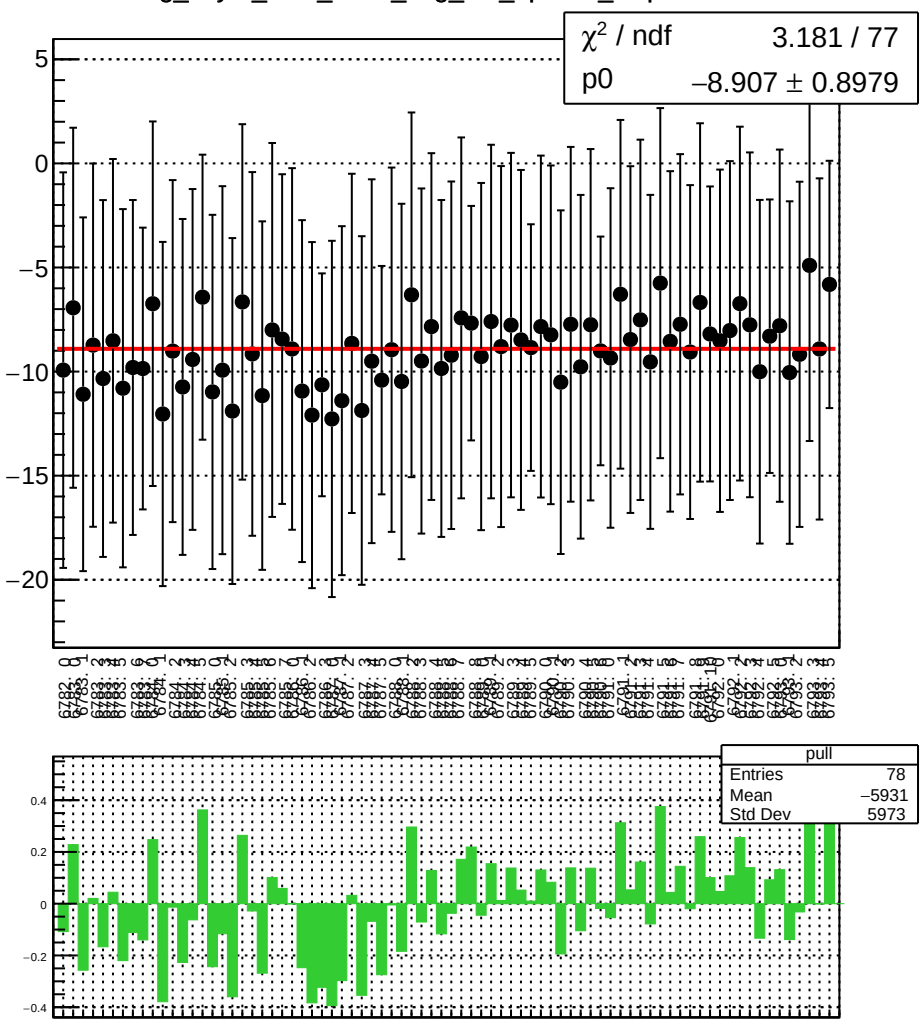

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.127 / 77
p0 −0.2407 ± 0.2072
pull
Entries 78
Mean −405.1
Std Dev 441.3

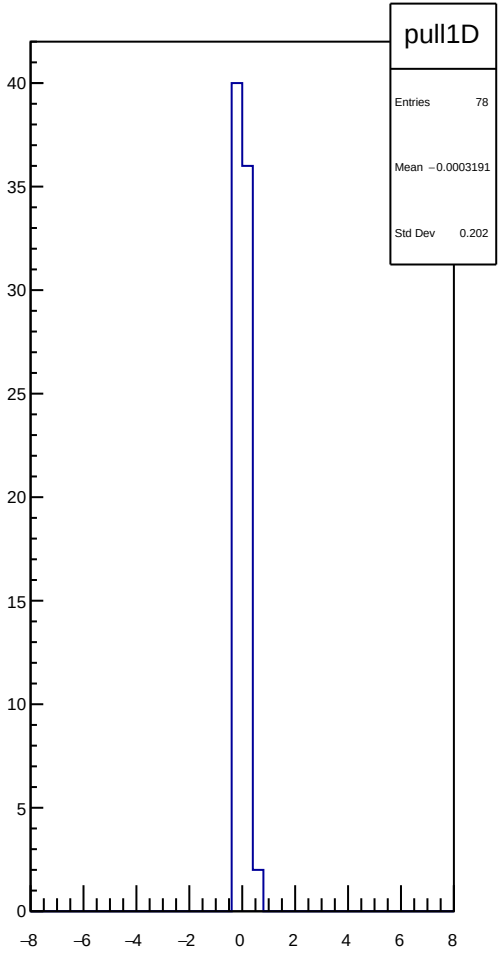

pull1D
Entries 78
Mean −0.01009
Std Dev 0.3419

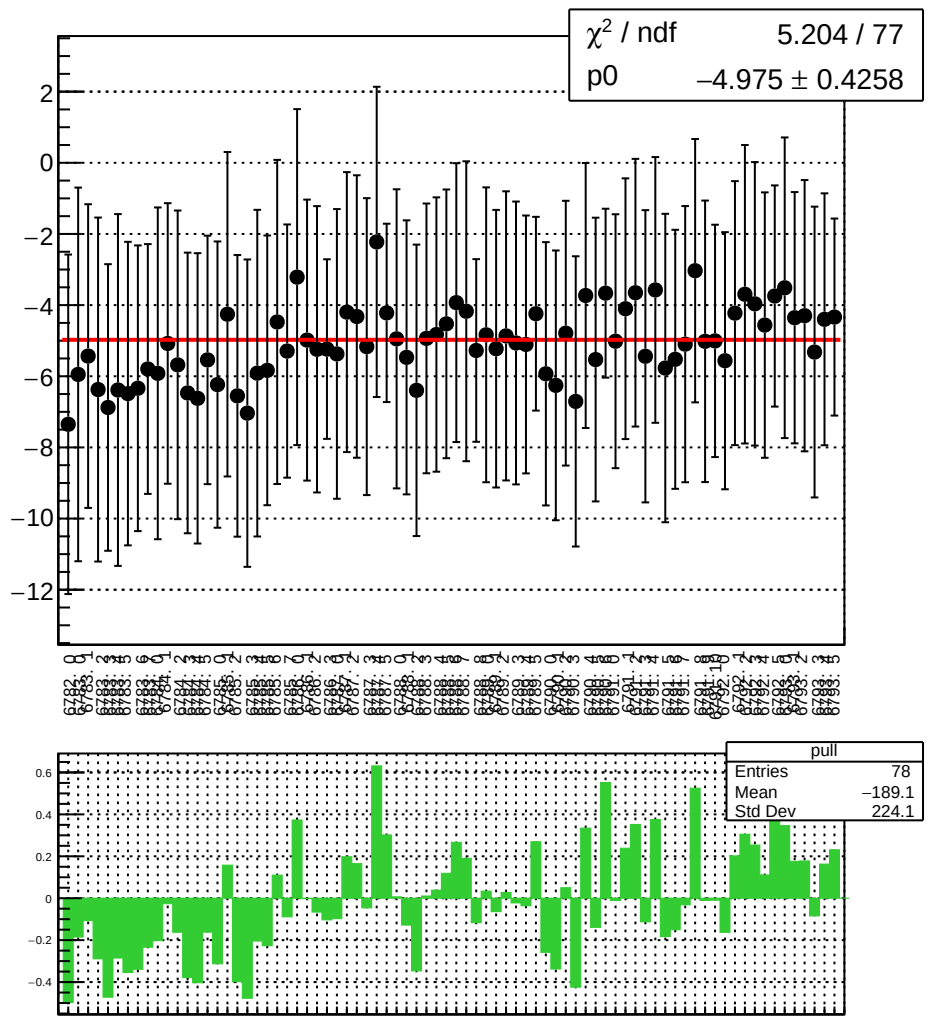

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.865 / 77
p0 −37.45 ± 0.4068
pull
Entries 78
Mean 2911
Std Dev 2869
pull1D
Entries 78
Mean −0.00122
Std Dev 0.3371

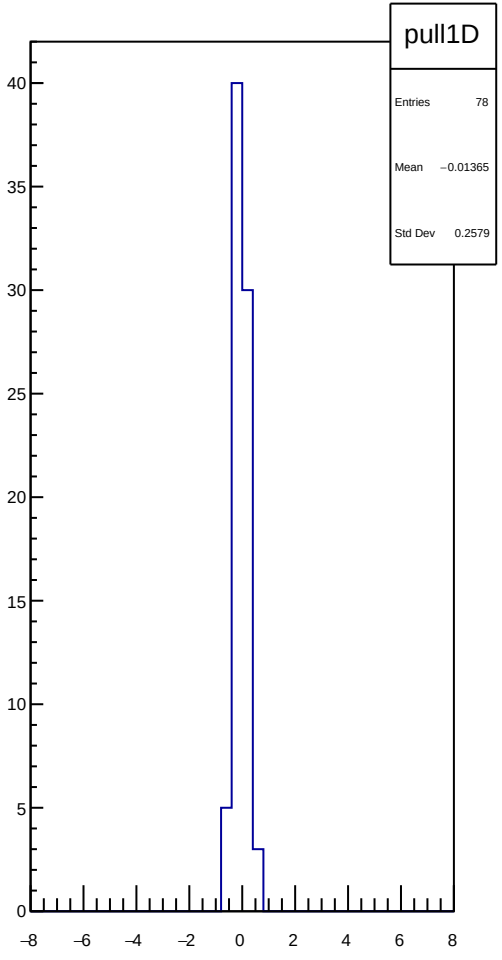

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.32 / 77
p0 28.16 ± 0.285
pull
Entries 78
Mean −272.6
Std Dev 296.7
pull1D
Entries 78
Mean 0.001968
Std Dev 0.3809

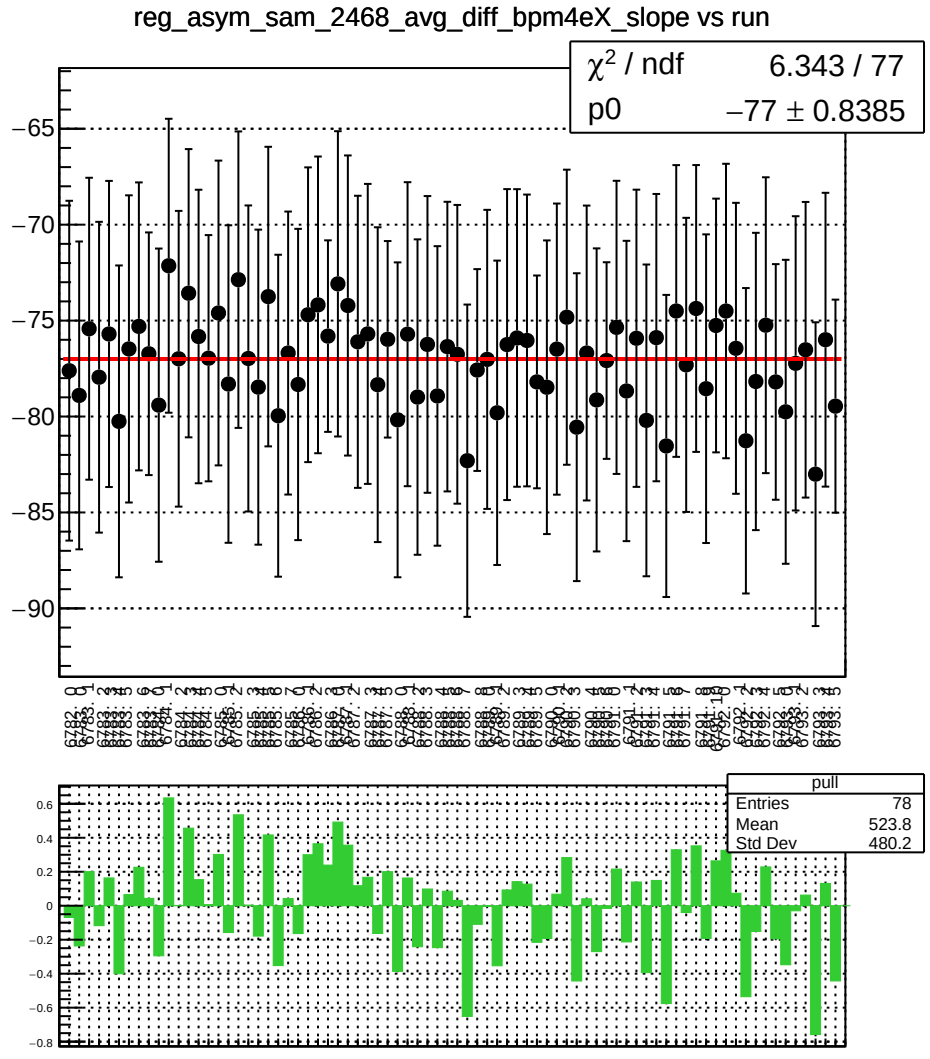

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.593 / 77
p0 0.1493 ± 0.01911
pull
Entries 78
Mean 415.1
Std Dev 374.9
pull1D
Entries 78
Mean 0.004693
Std Dev 0.2146

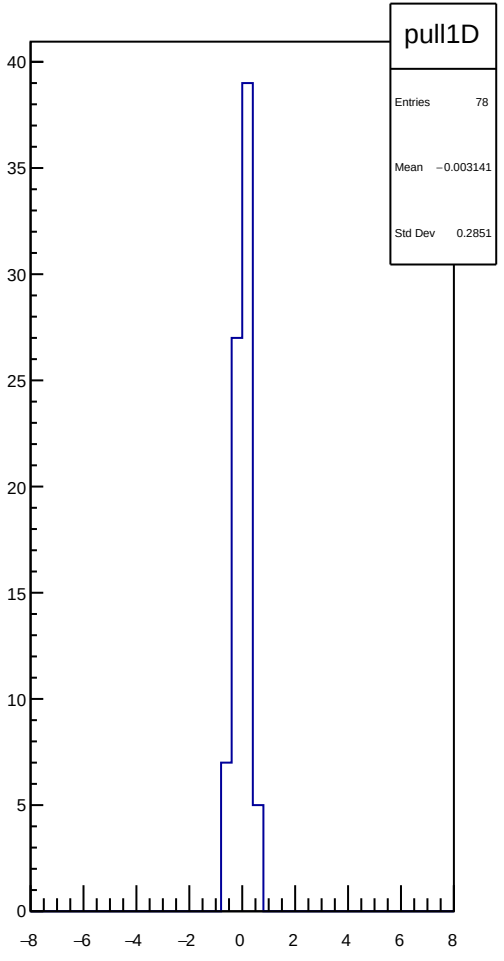

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.181 / 77
p0 −8.907 ± 0.8979
pull
Entries 78
Mean −5931
Std Dev 5973

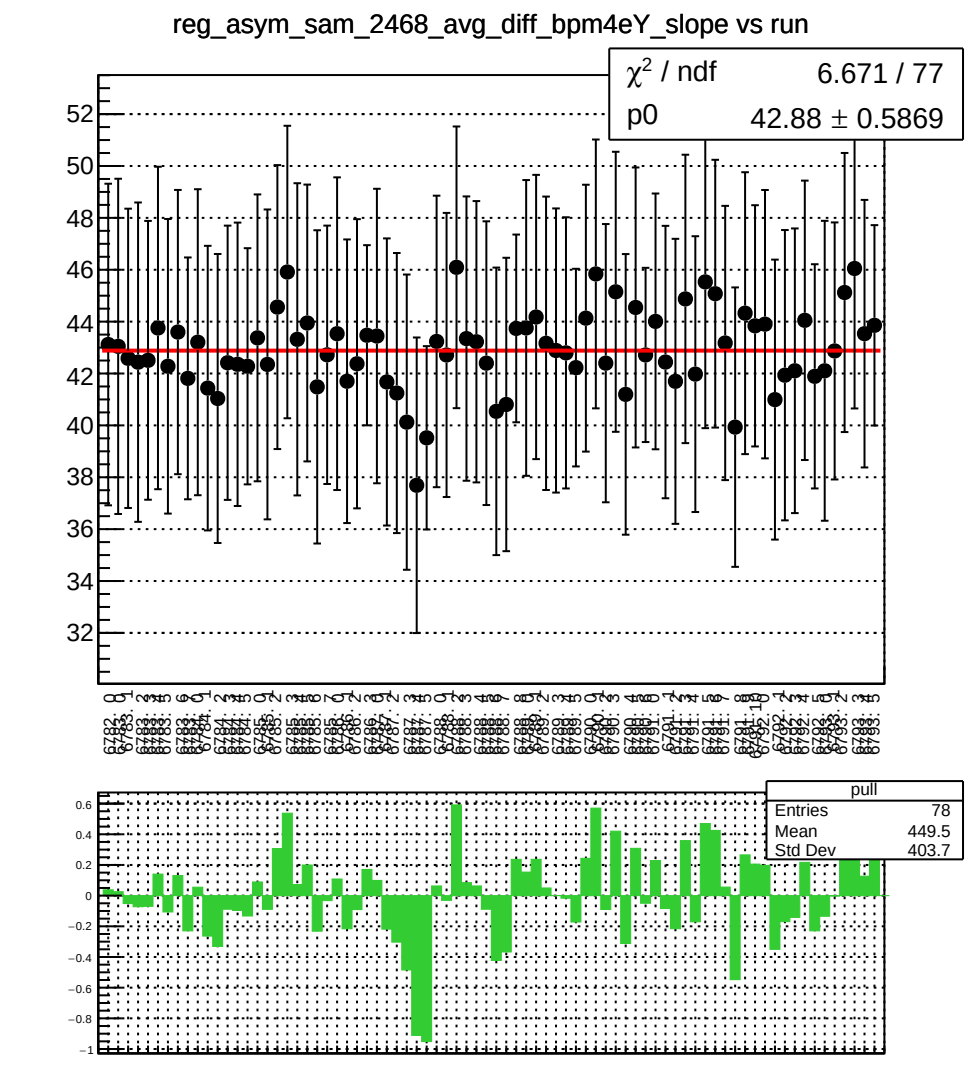

pull1D
Entries 78
Mean −0.0003191
Std Dev 0.202

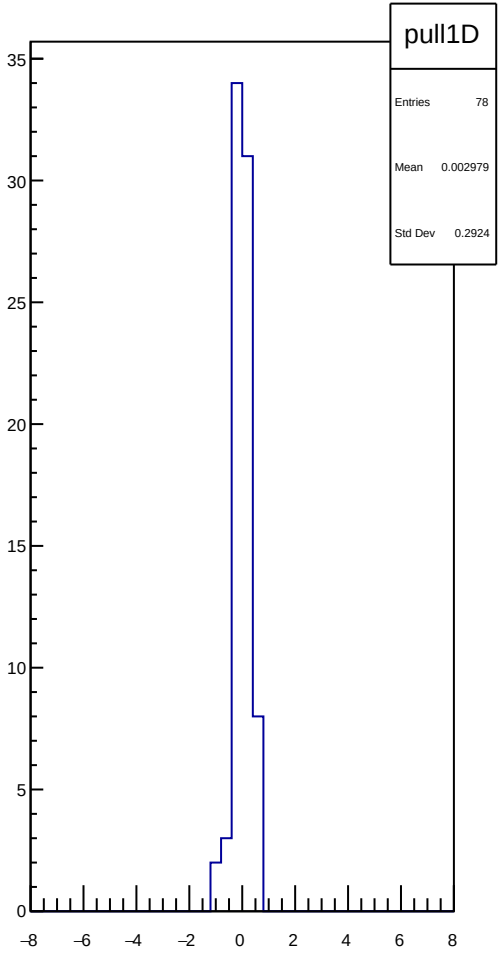

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.204 / 77
p0 −4.975 ± 0.4258
pull
Entries 78
Mean −189.1
Std Dev 224.1

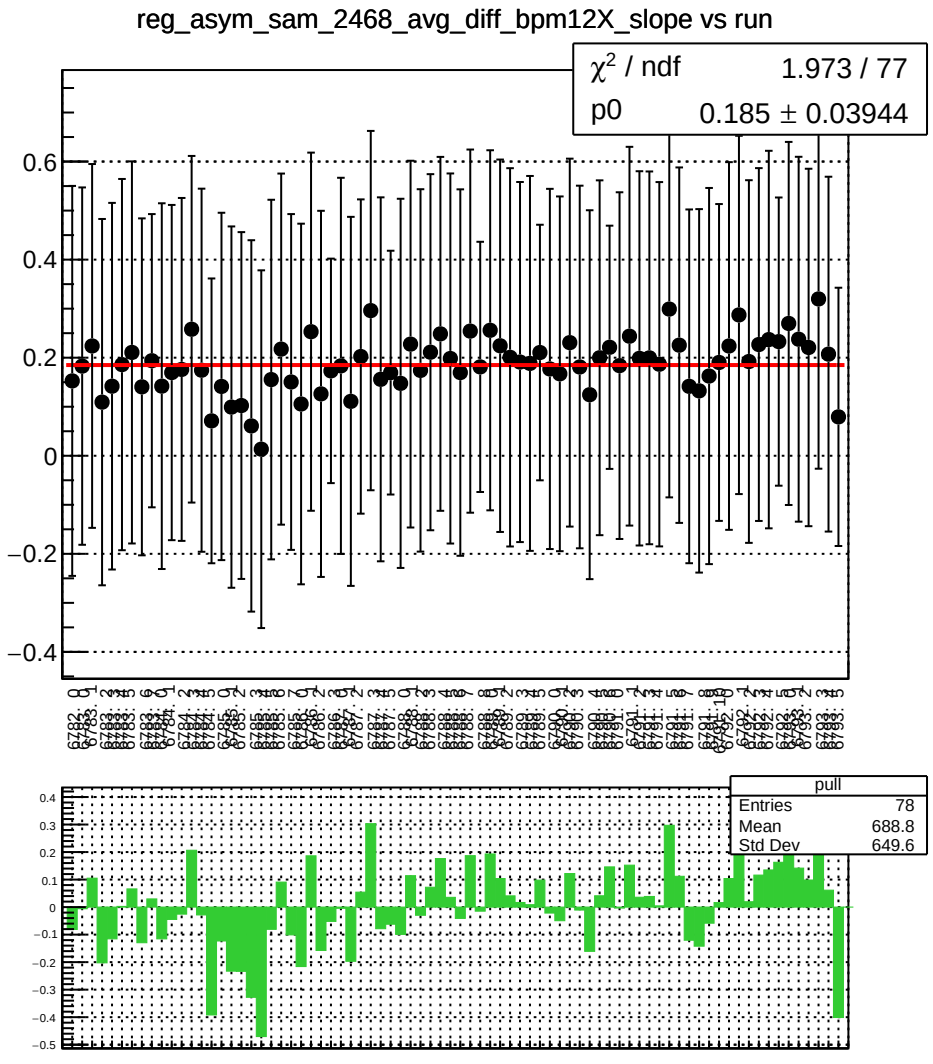

pull1D
Entries 78
Mean −0.01365
Std Dev 0.2579

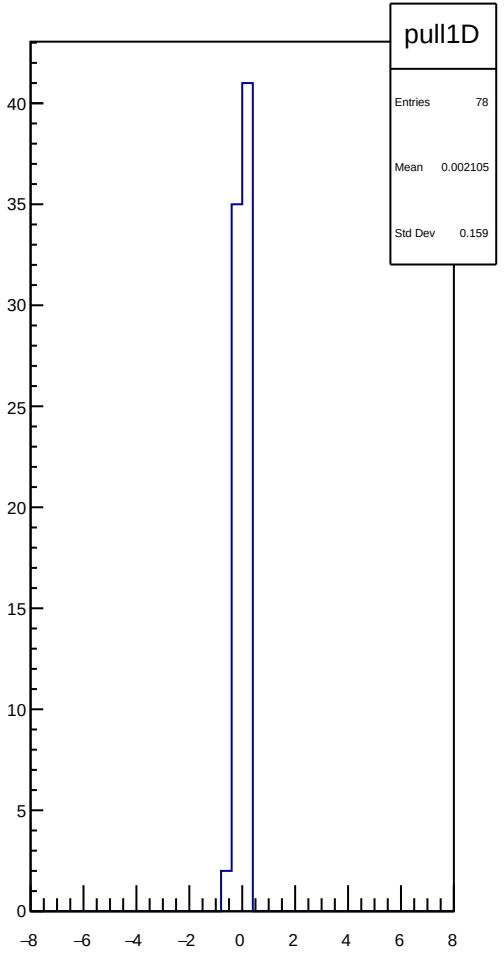

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.343 / 77
p0 −77 ± 0.8385
pull
Entries 78
Mean 523.8
Std Dev 480.2

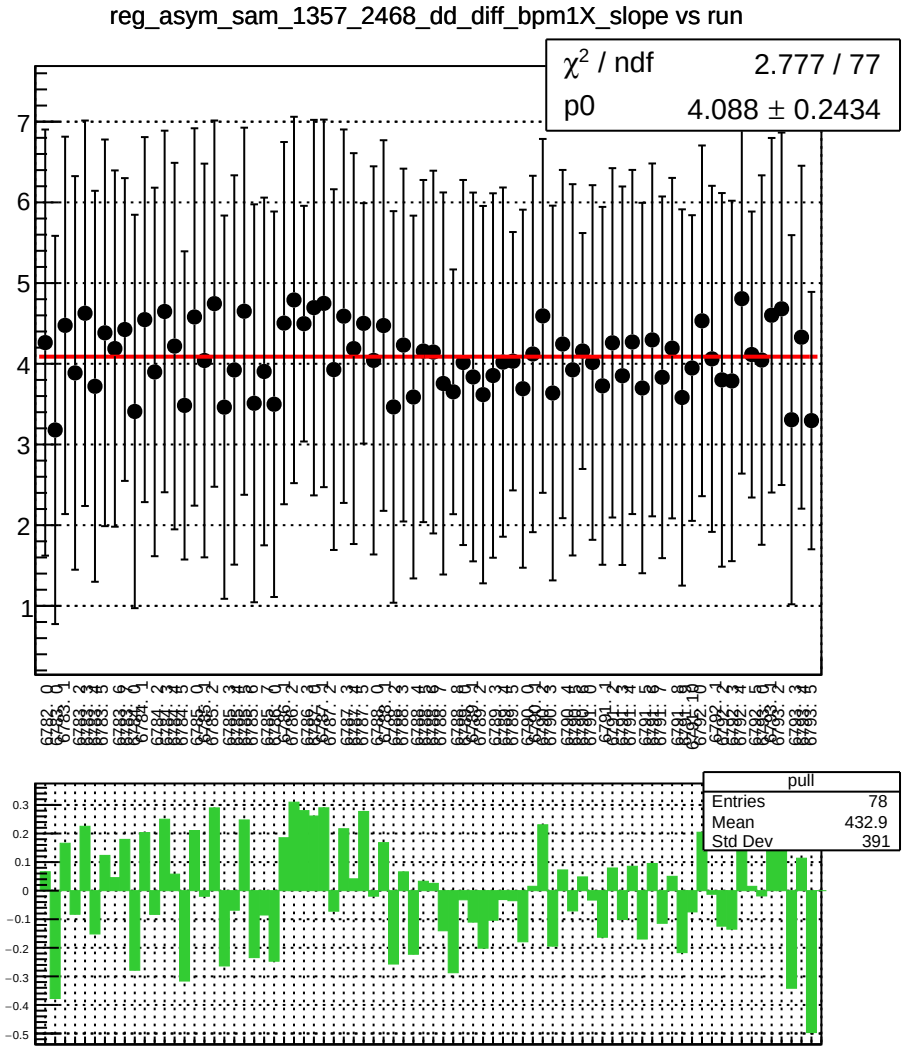

pull1D
Entries 78
Mean −0.003141
Std Dev 0.2851

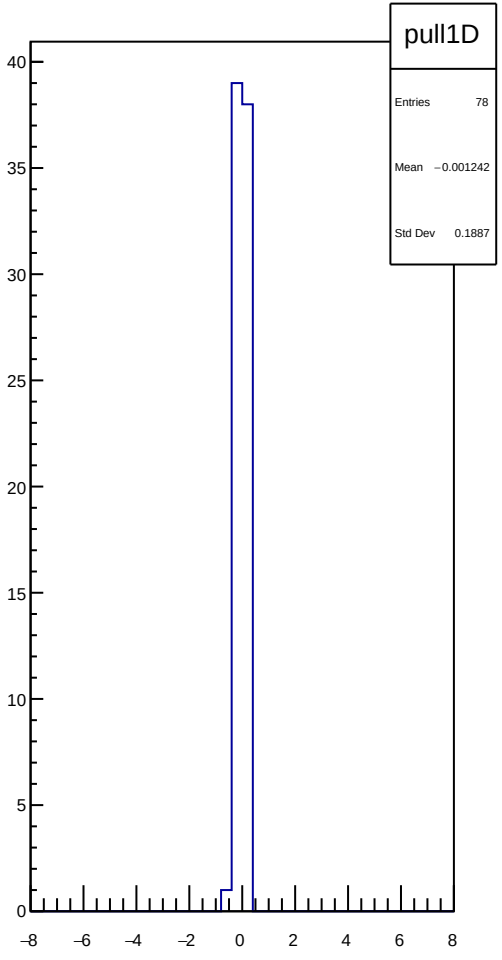

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.671 / 77
p0 42.88 ± 0.5869
pull
Entries 78
Mean 449.5
Std Dev 403.7

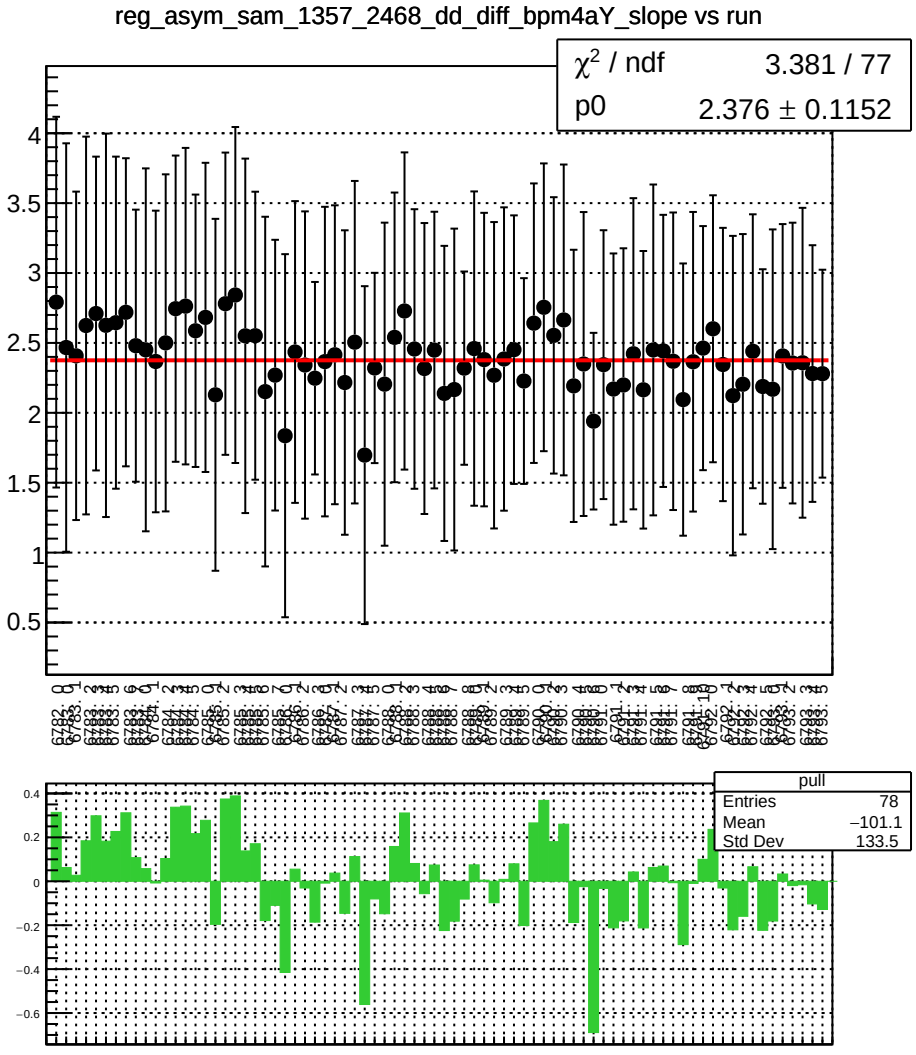

pull1D
Entries 78
Mean 0.002979
Std Dev 0.2924

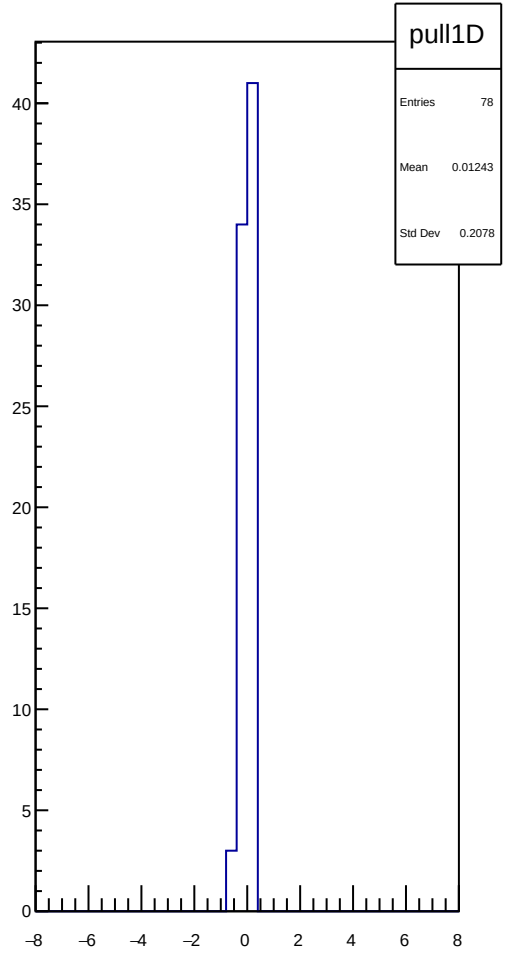

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.973 / 77
p0 0.185 ± 0.03944
pull
Entries 78
Mean 688.8
Std Dev 649.6

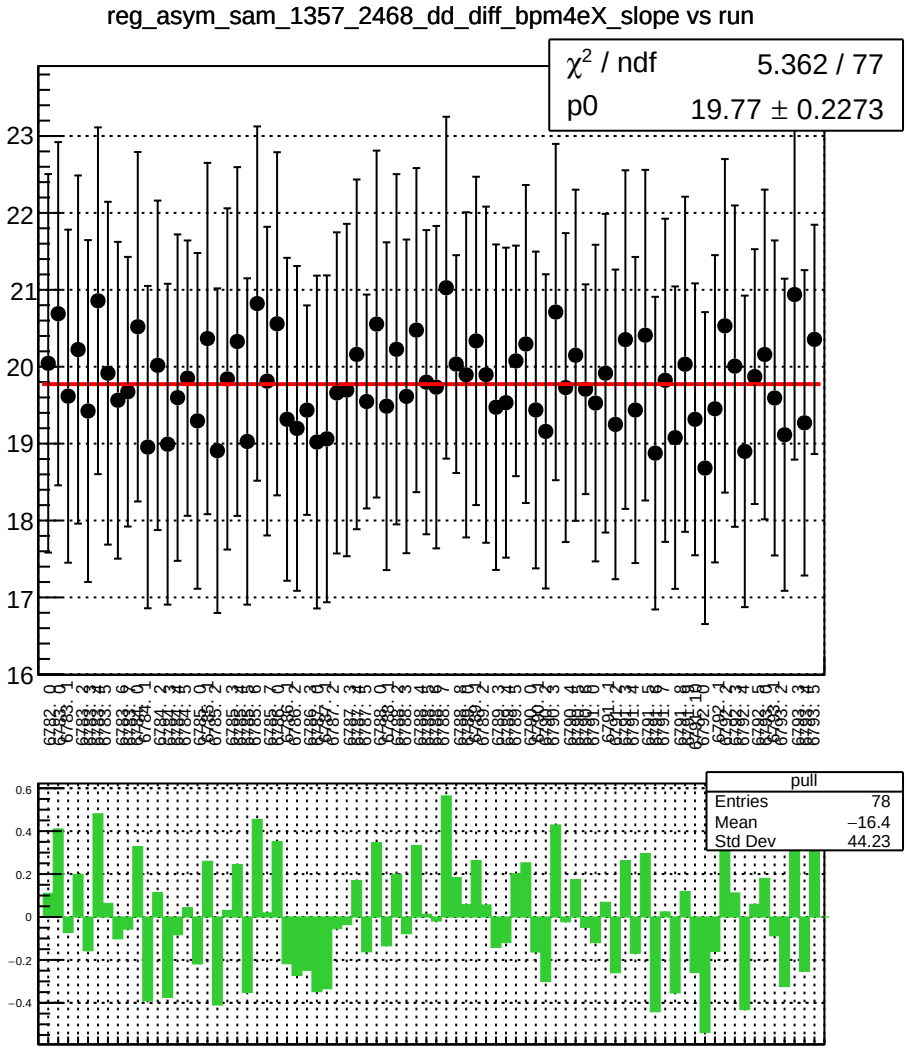

pull1D
Entries 78
Mean 0.002105
Std Dev 0.159

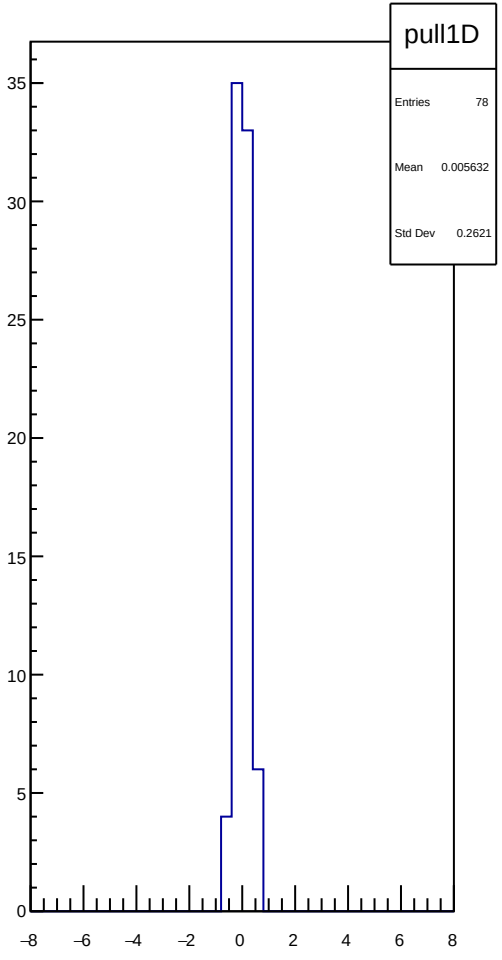

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 2.777 / 77
p0 4.088 ± 0.2434
pull
Entries 78
Mean 432.9
Std Dev 391

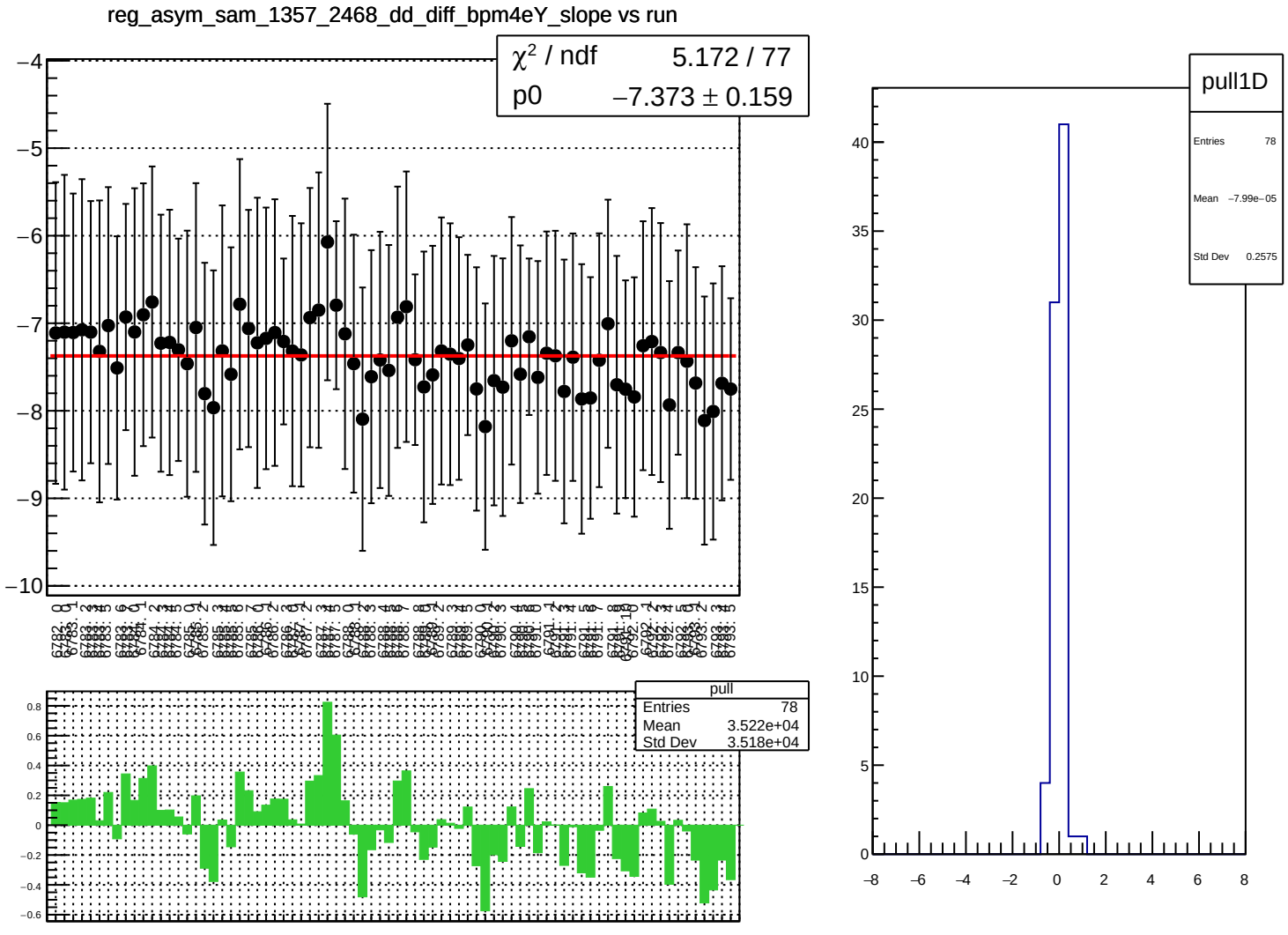

pull1D
Entries 78
Mean −0.001242
Std Dev 0.1887

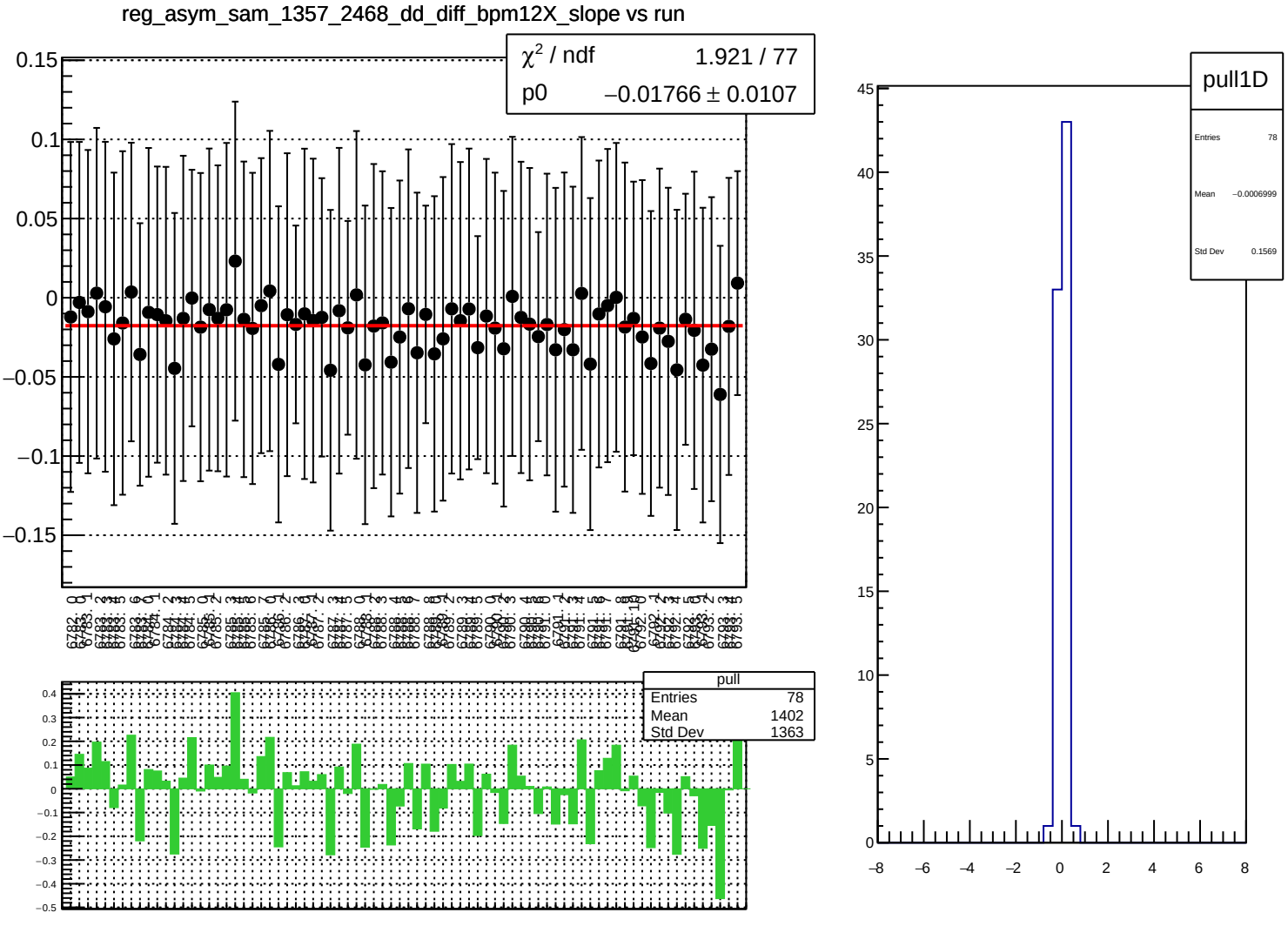

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.381 / 77
p0 2.376 ± 0.1152
pull
Entries 78
Mean −101.1
Std Dev 133.5

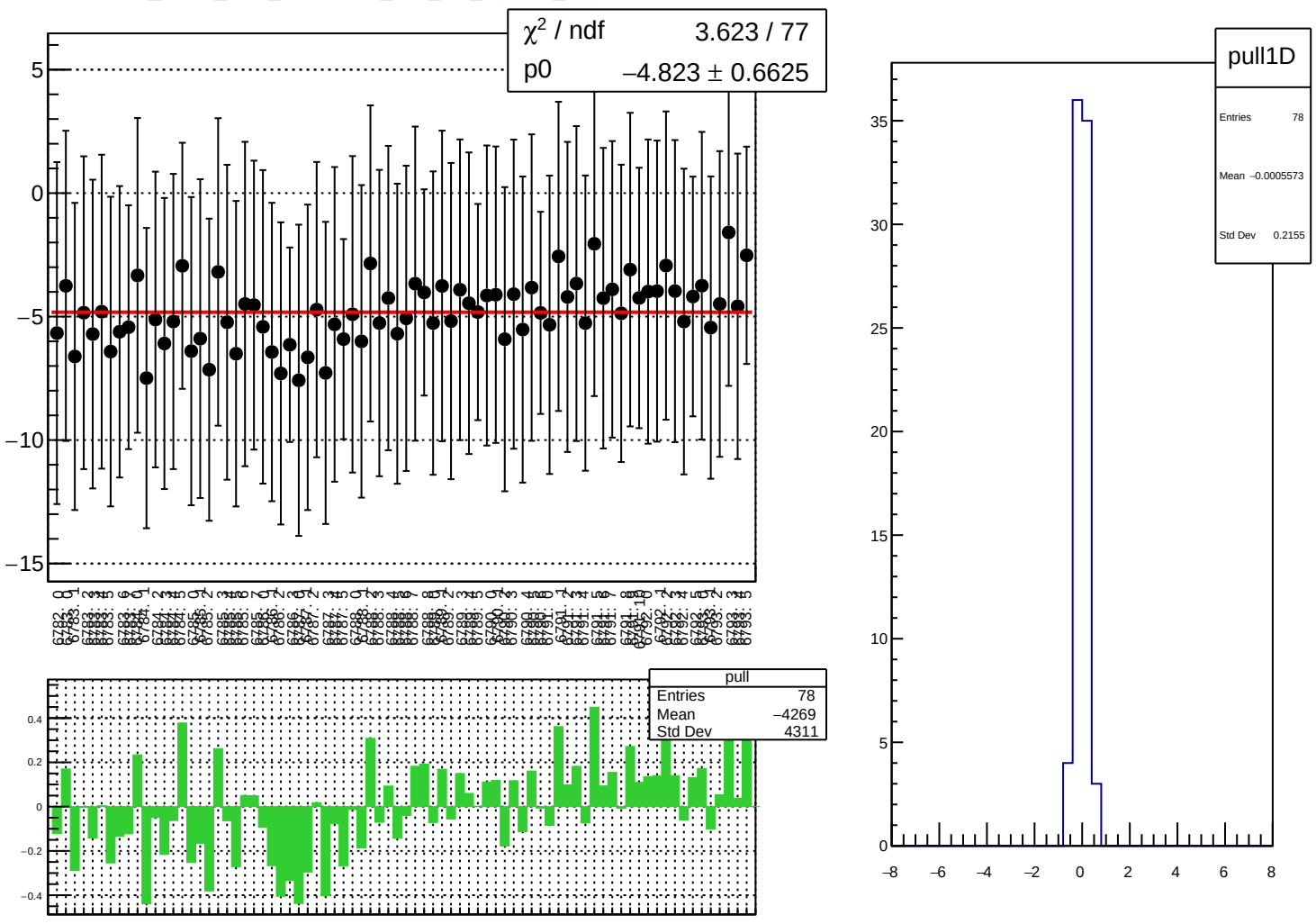

pull1D
Entries 78
Mean 0.01243
Std Dev 0.2078

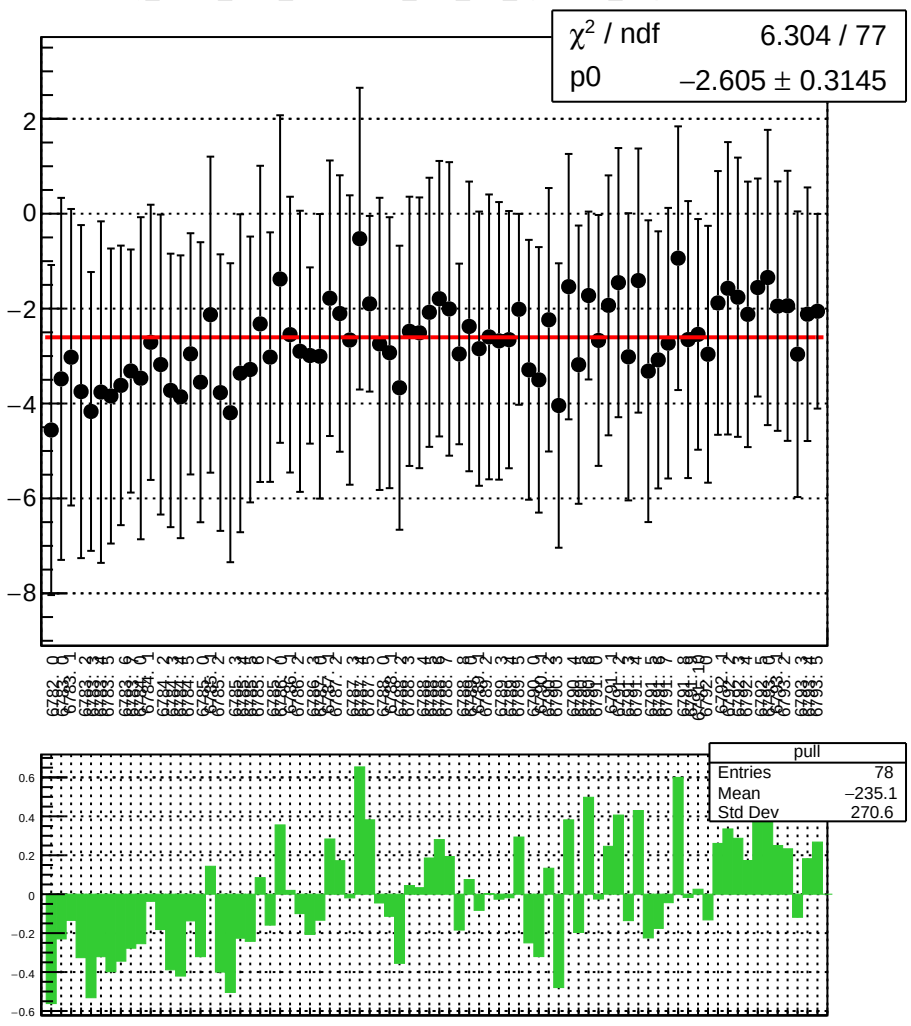

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.362 / 77
p0 19.77 ± 0.2273
pull
Entries 78
Mean −16.4
Std Dev 44.23

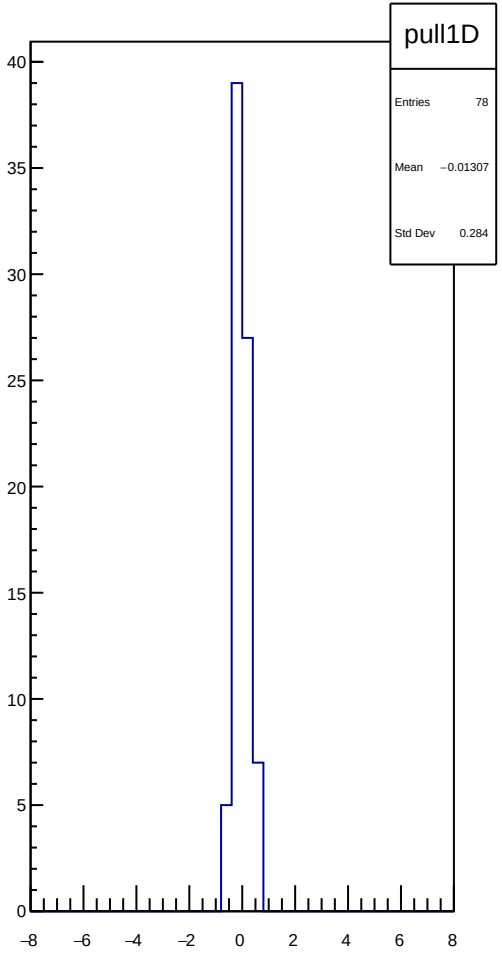

pull1D
Entries 78
Mean 0.005632
Std Dev 0.2621

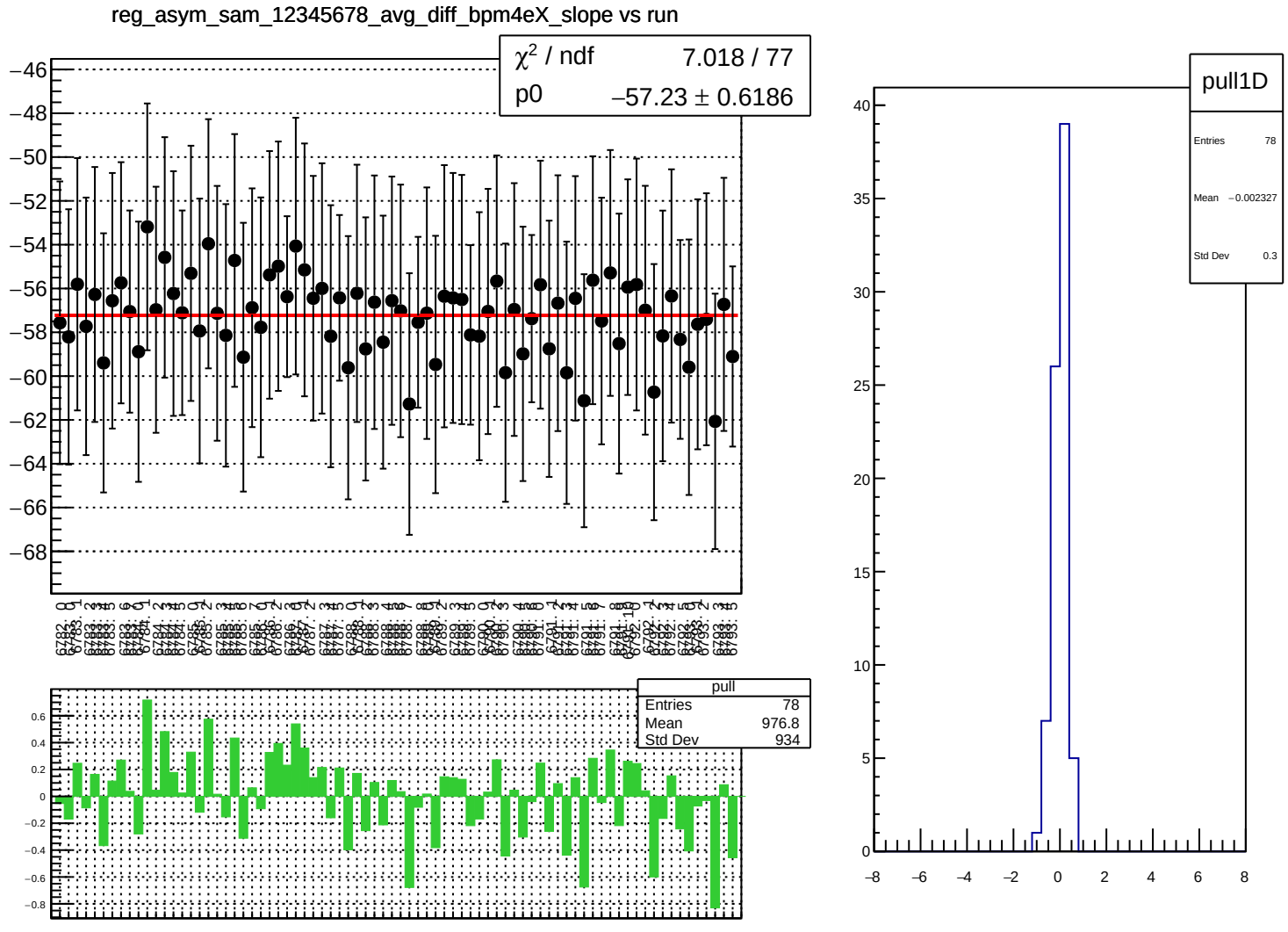

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.172 / 77
p0 −7.373 ± 0.159
pull
Entries 78
Mean 3.522e+04
Std Dev 3.518e+04
pull1D
Entries 78
Mean −7.99e−05
Std Dev 0.2575

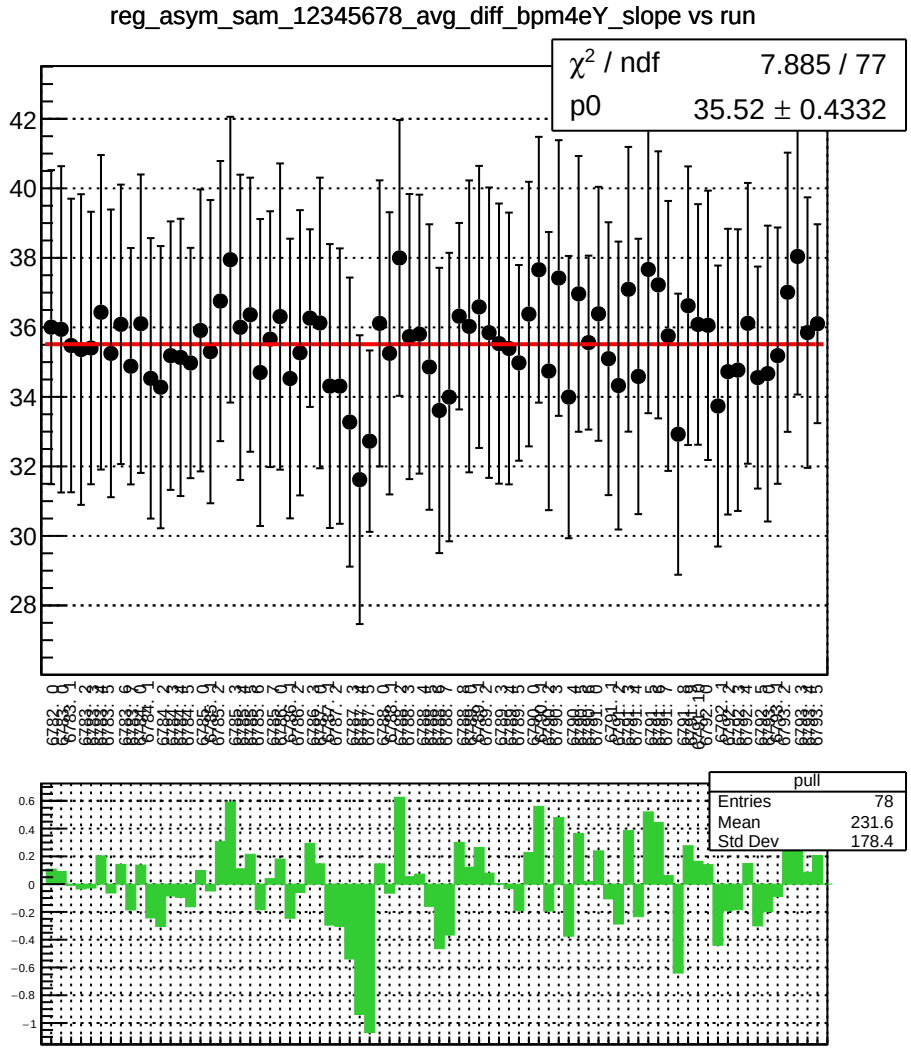

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.921 / 77
p0 −0.01766 ± 0.0107
pull
Entries 78
Mean 1402
Std Dev 1363
pull1D
Entries 78
Mean −0.0006999
Std Dev 0.1569

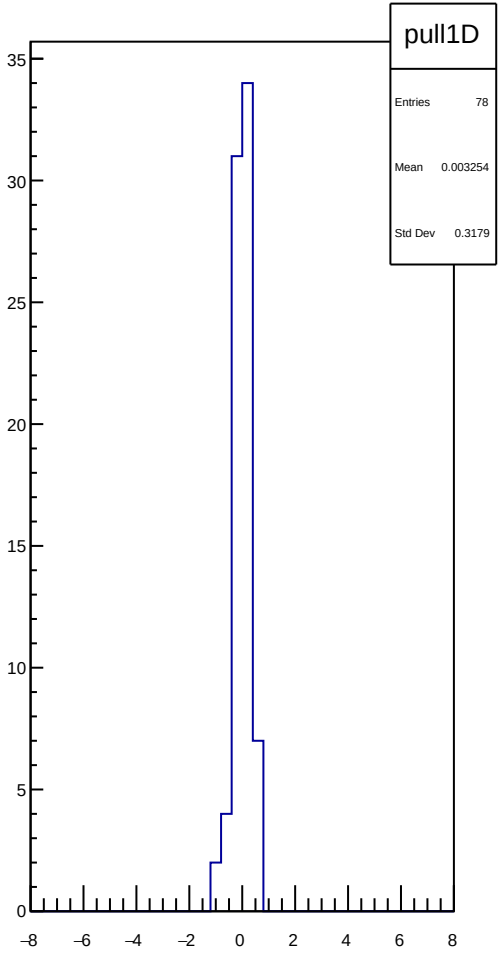

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.623 / 77
p0 −4.823 ± 0.6625
pull
Entries 78
Mean −4269
Std Dev 4311
pull1D
Entries 78
Mean −0.0005573
Std Dev 0.2155

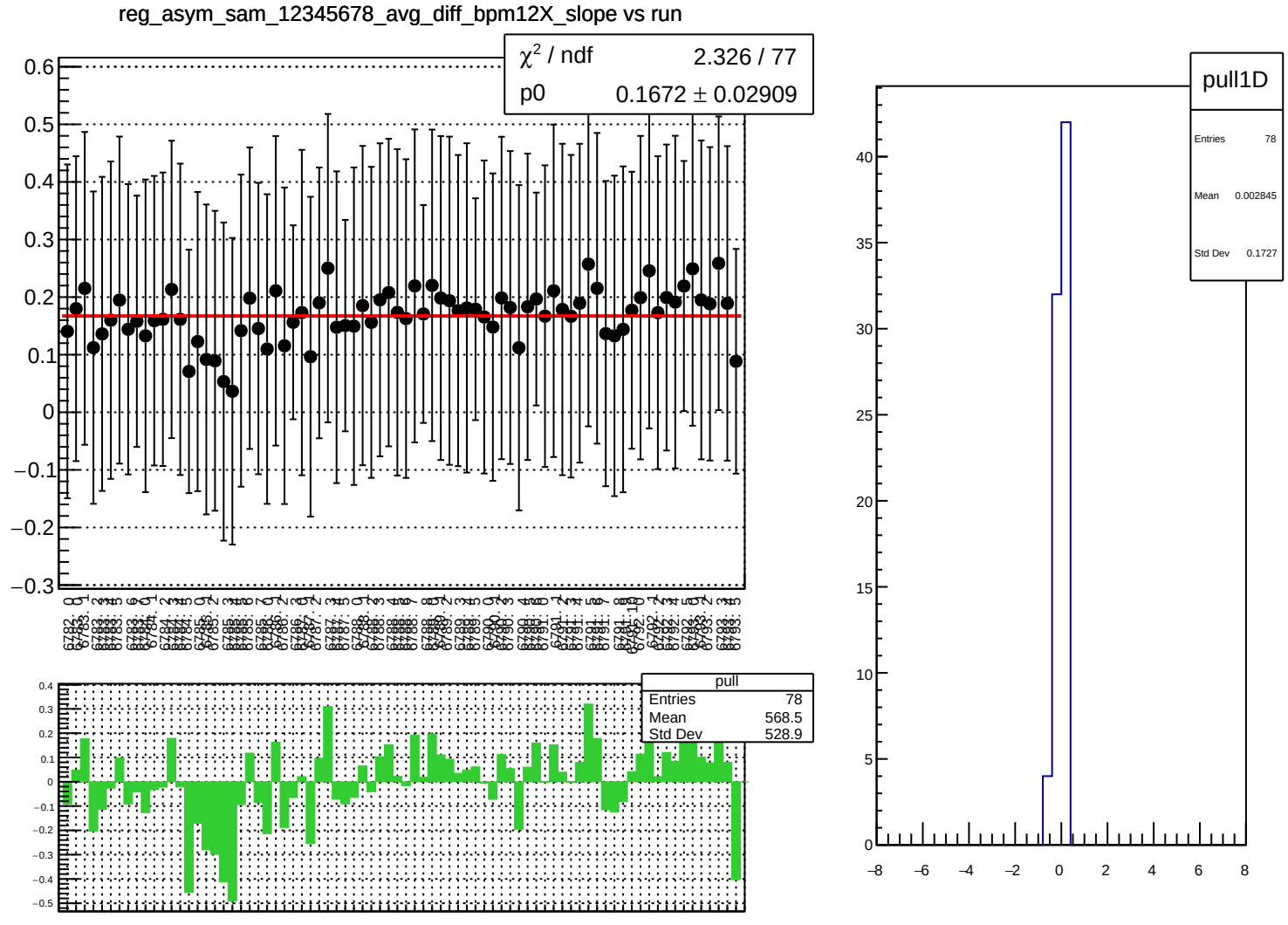

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.304 / 77
p0 −2.605 ± 0.3145
pull
Entries 78
Mean −235.1
Std Dev 270.6

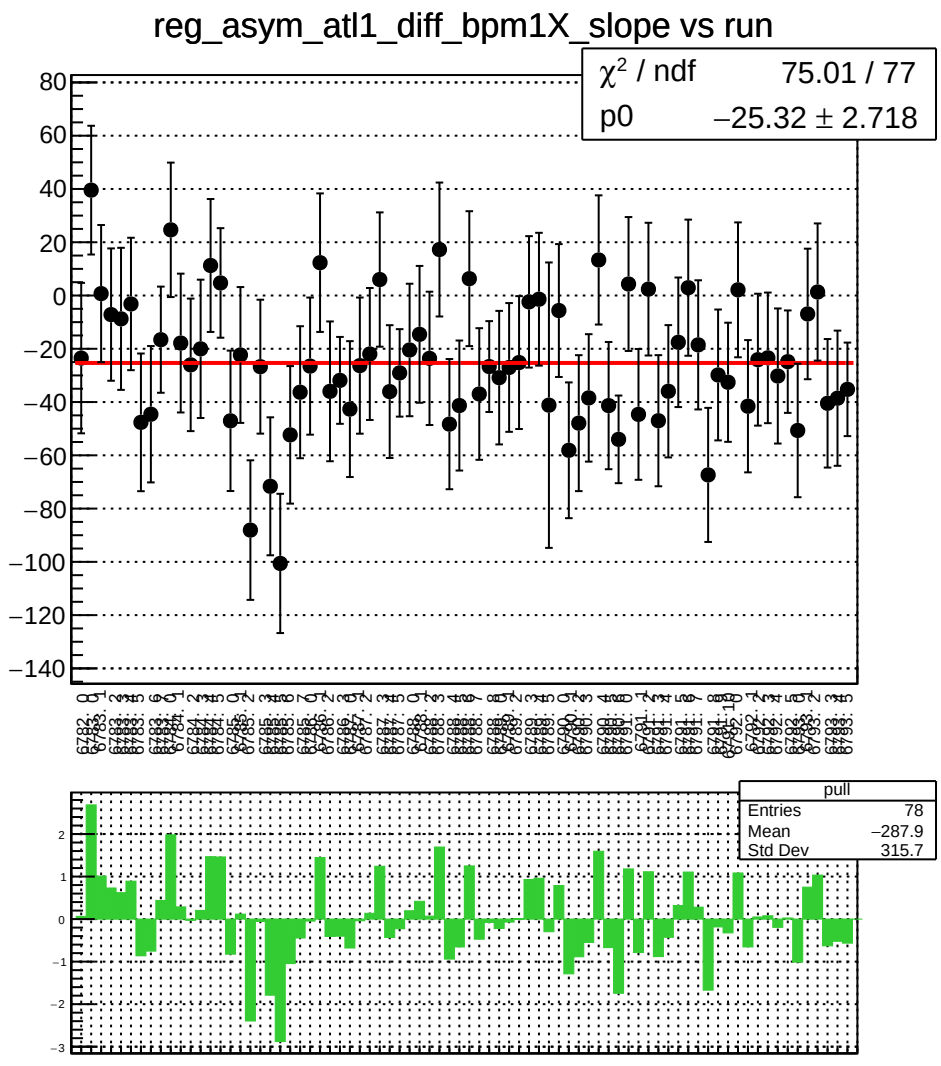

pull1D
Entries 78
Mean −0.01307
Std Dev 0.284

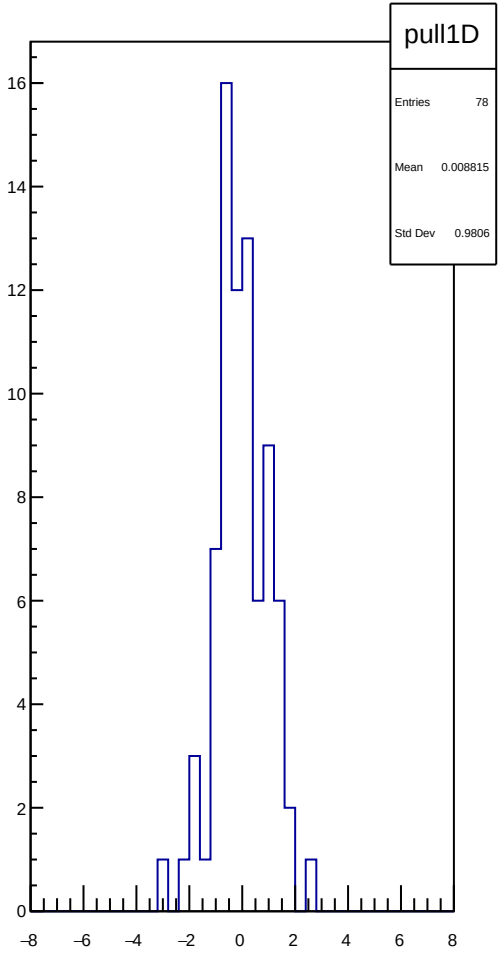

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.018 / 77
p0 −57.23 ± 0.6186
pull
Entries 78
Mean 976.8
Std Dev 934
pull1D
Entries 78
Mean −0.002327
Std Dev 0.3

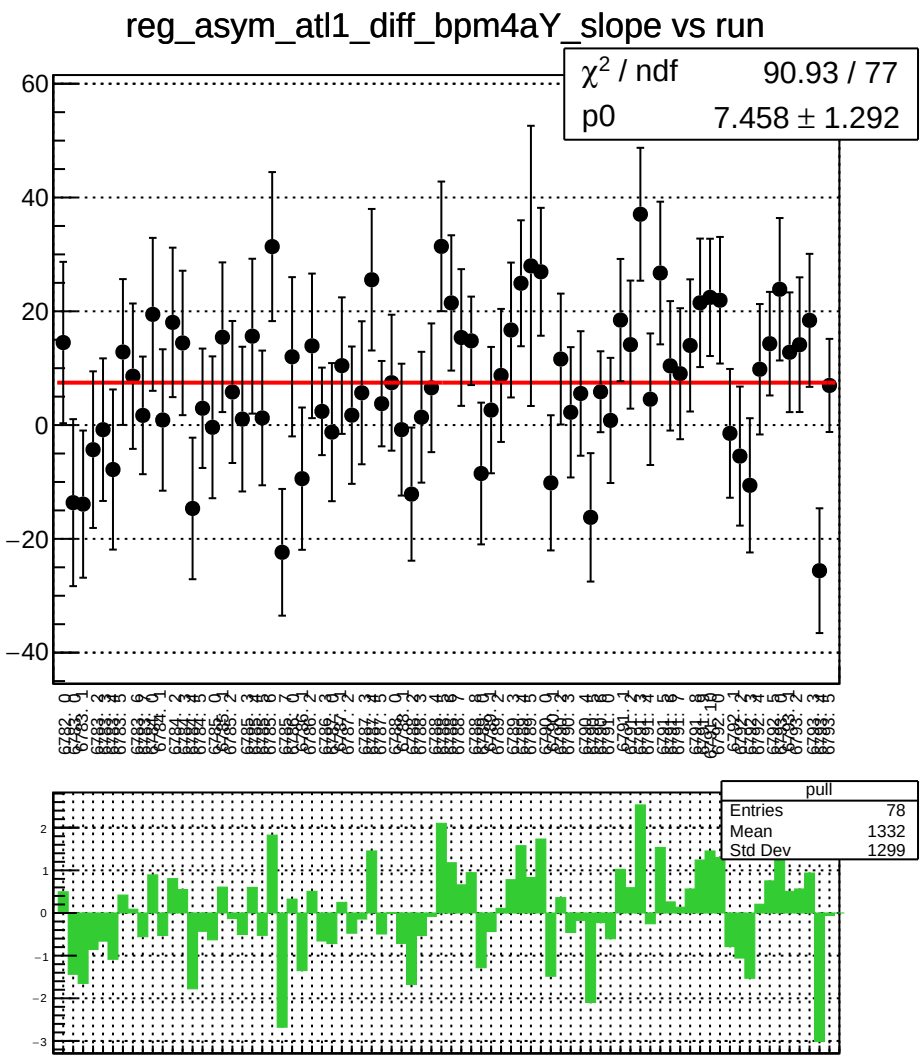

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.885 / 77
p0 35.52 ± 0.4332
pull
Entries 78
Mean 231.6
Std Dev 178.4

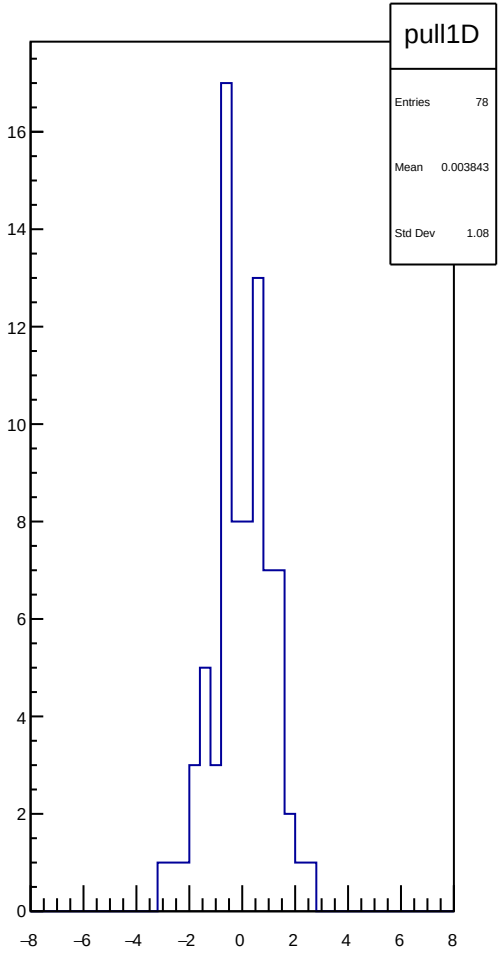

pull1D
Entries 78
Mean 0.003254
Std Dev 0.3179

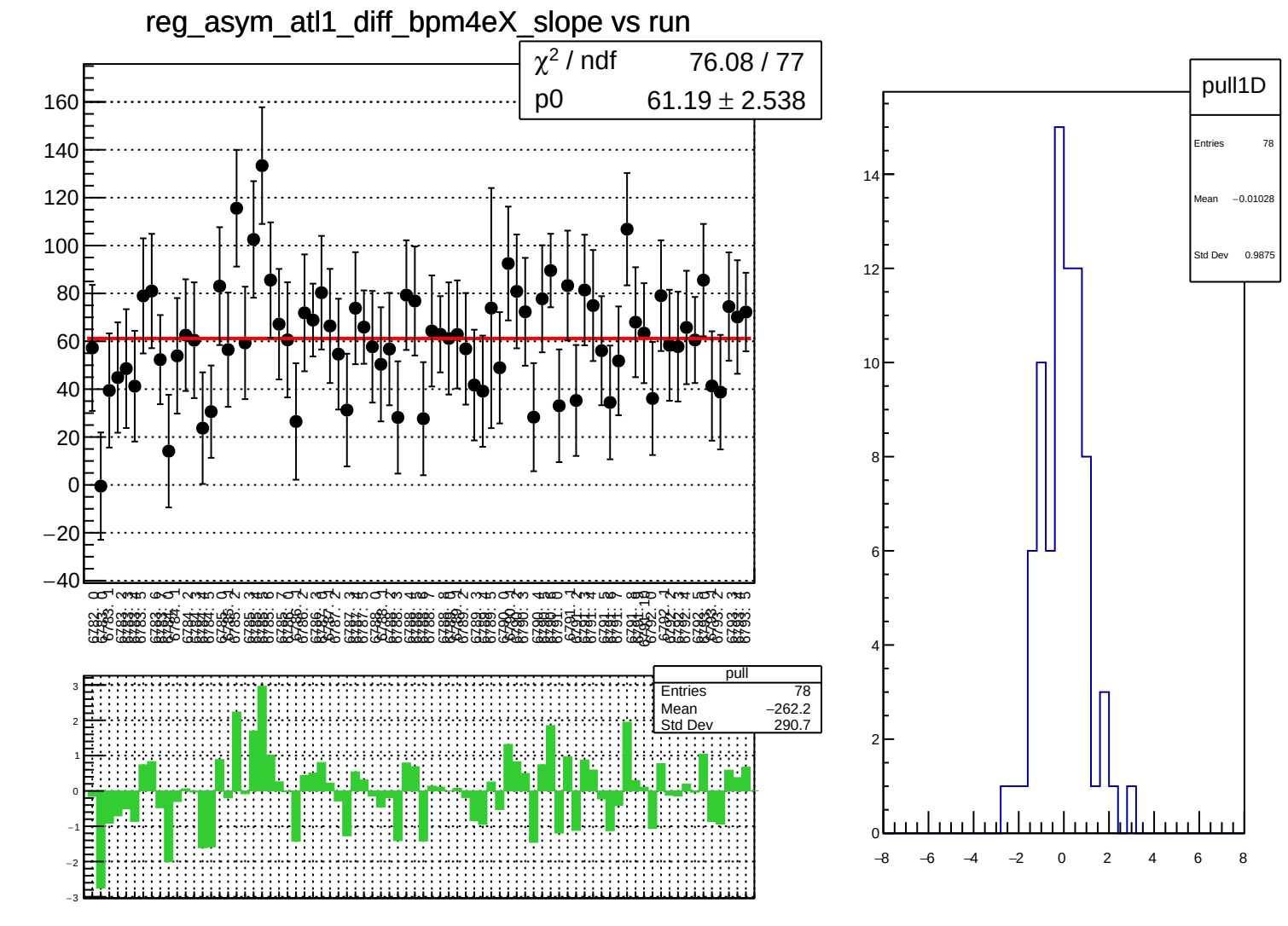

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.326 / 77
p0 0.1672 ± 0.02909
pull
Entries 78
Mean 568.5
Std Dev 528.9
pull1D
Entries 78
Mean 0.002845
Std Dev 0.1727

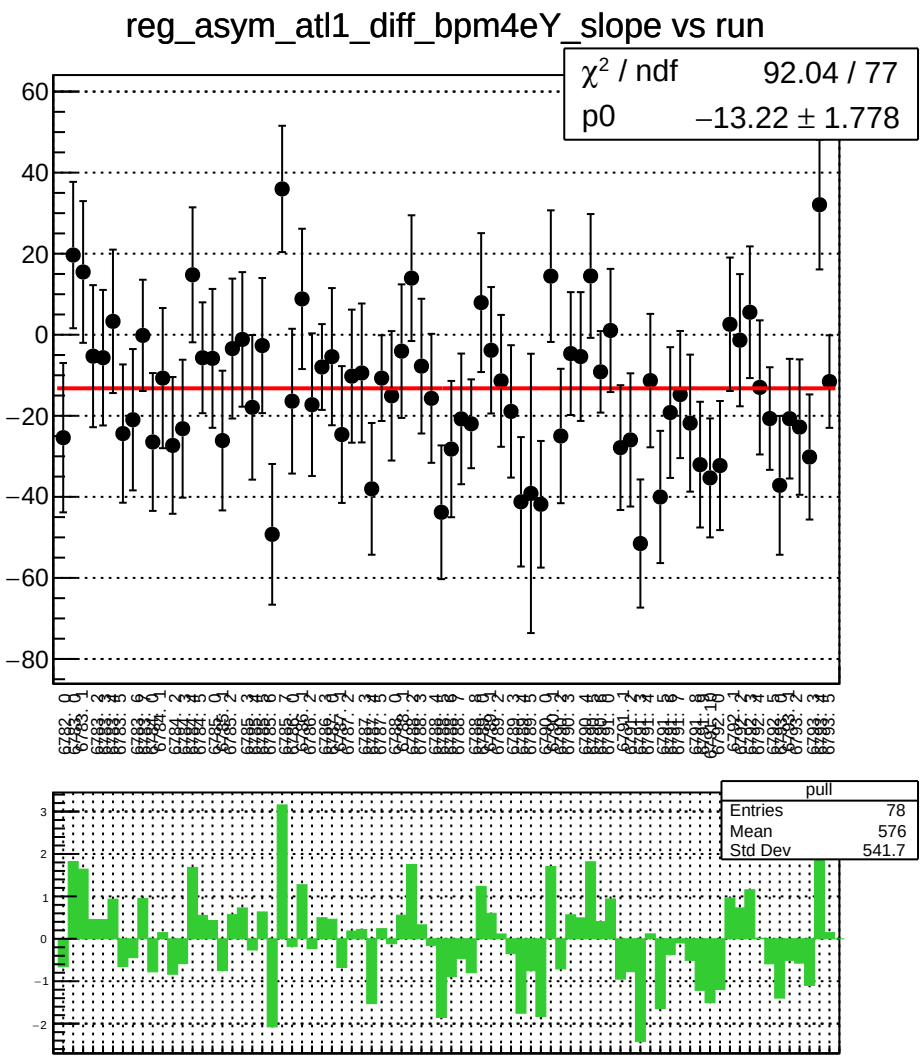

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 75.01 / 77
p0 −25.32 ± 2.718
pull
Entries 78
Mean −287.9
Std Dev 315.7

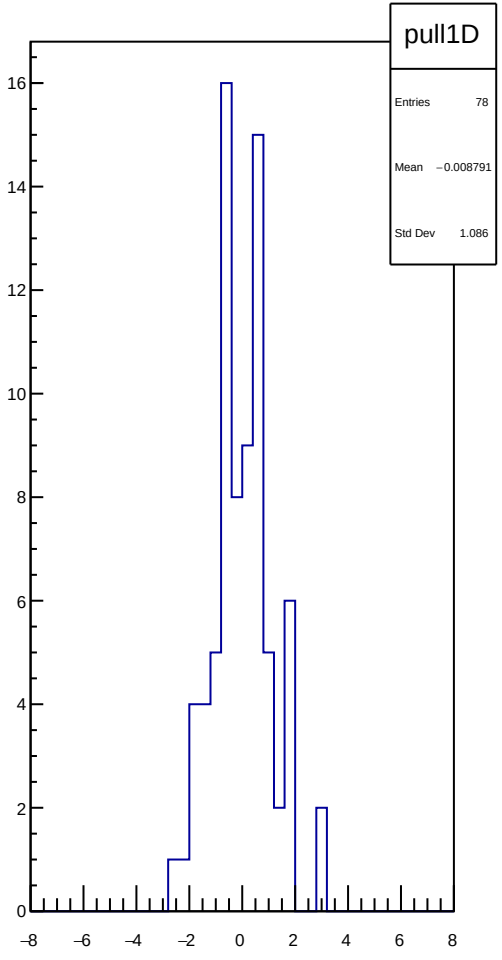

pull1D
Entries 78
Mean 0.008815
Std Dev 0.9806

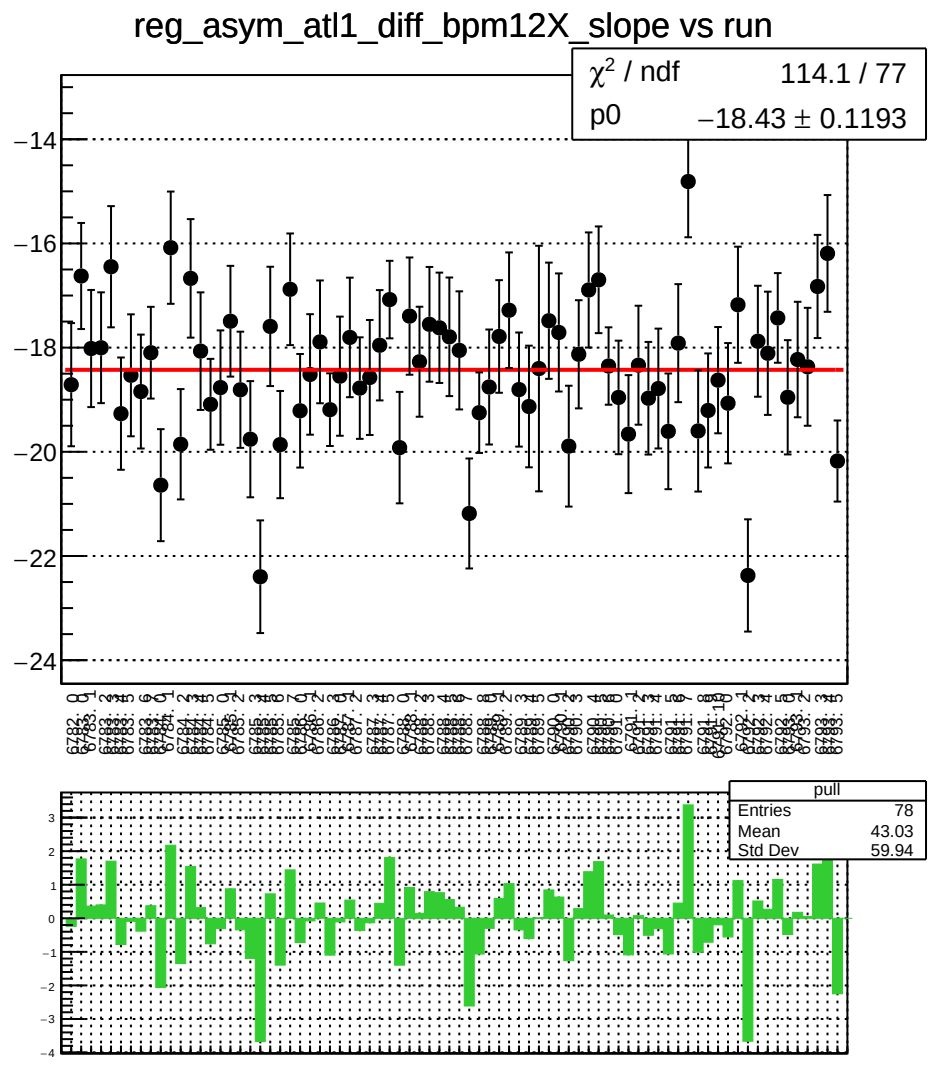

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 90.93 / 77
p0 7.458 ± 1.292
pull
Entries 78
Mean 1332
Std Dev 1299

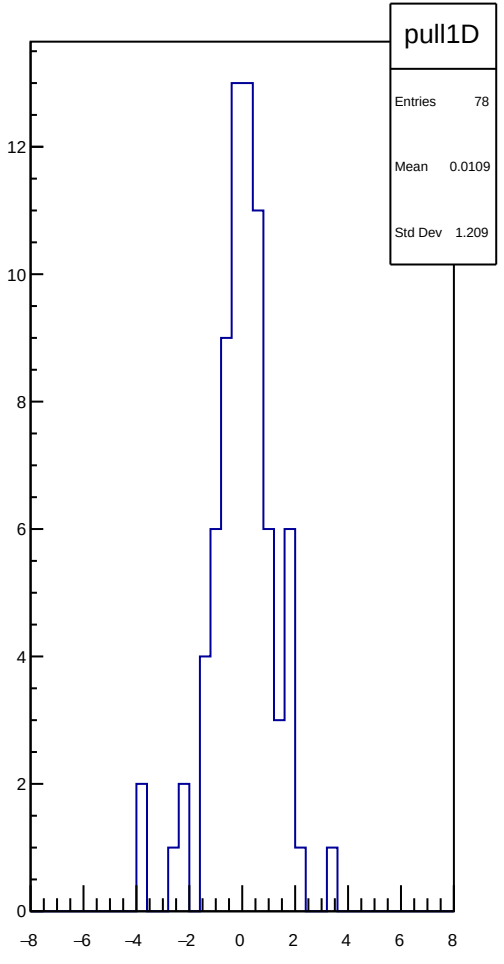

pull1D
Entries 78
Mean 0.003843
Std Dev 1.08

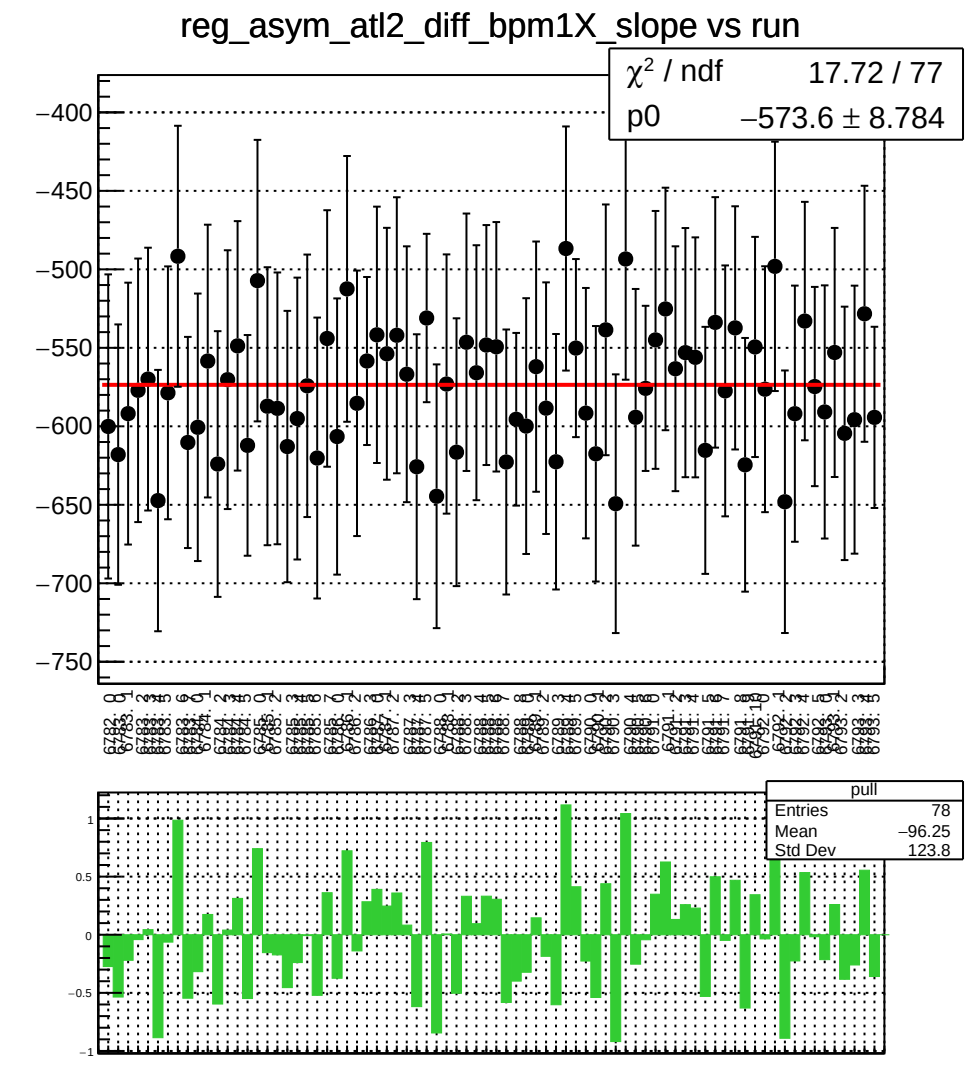

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 76.08 / 77
p0 61.19 ± 2.538
pull
Entries 78
Mean −262.2
Std Dev 290.7
pull1D
Entries 78
Mean −0.01028
Std Dev 0.9875

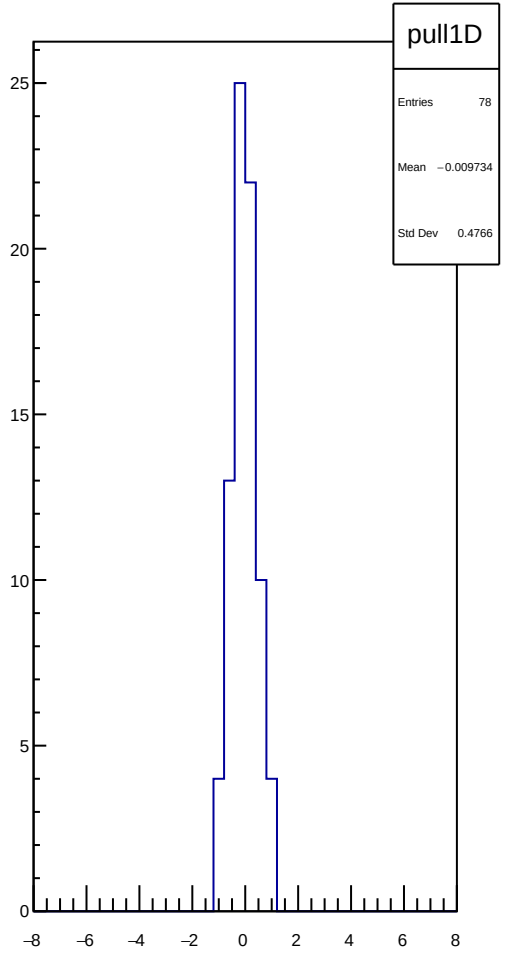

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 92.04 / 77
p0 −13.22 ± 1.778
pull
Entries 78
Mean 576
Std Dev 541.7

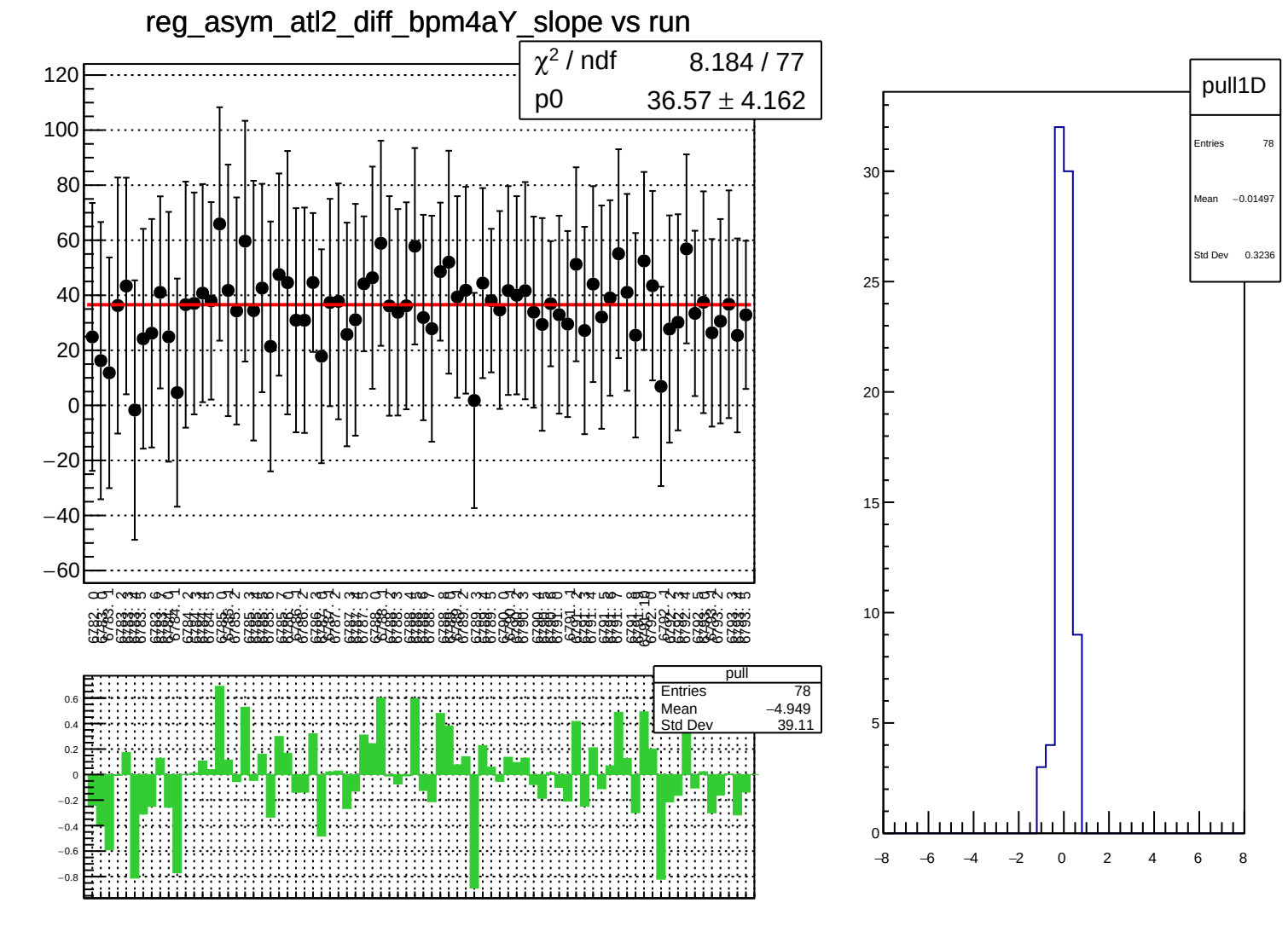

pull1D
Entries 78
Mean −0.008791
Std Dev 1.086

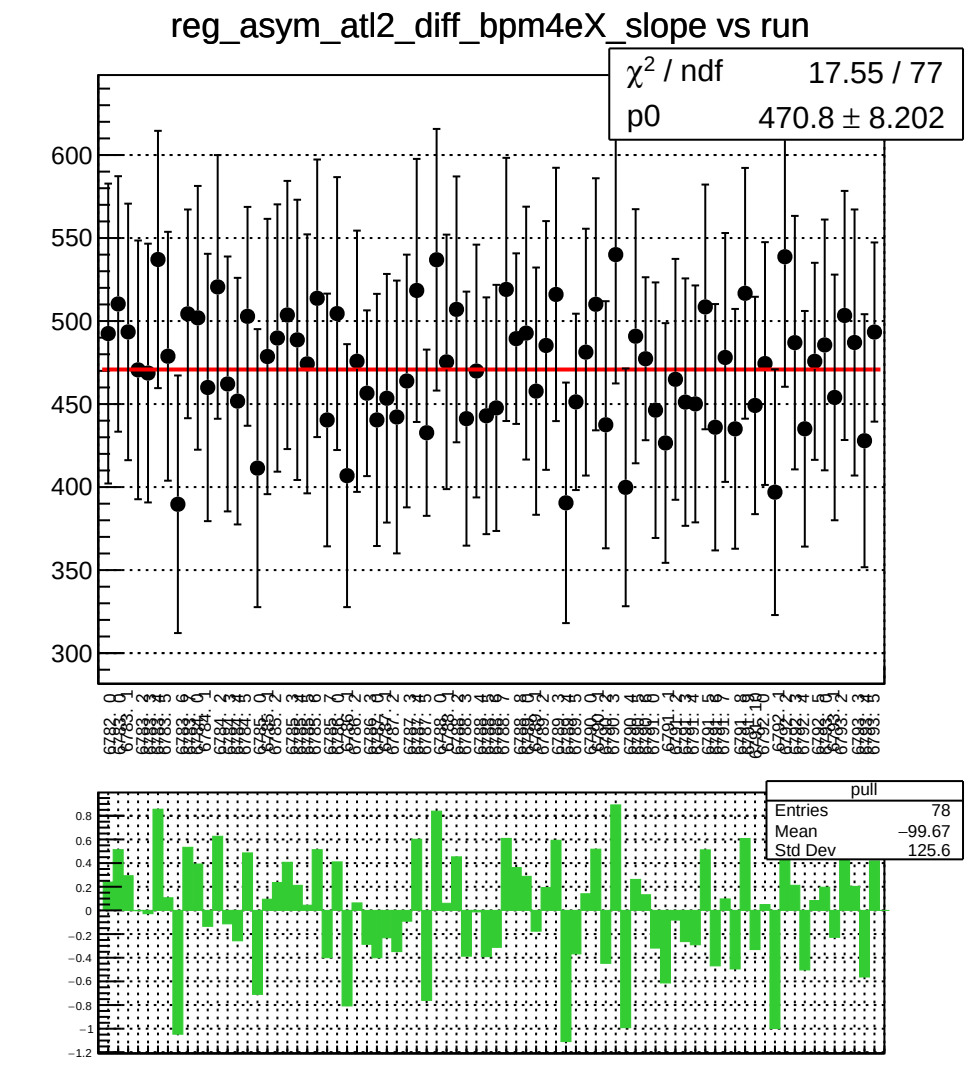

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 114.1 / 77
p0 −18.43 ± 0.1193
pull
Entries 78
Mean 43.03
Std Dev 59.94

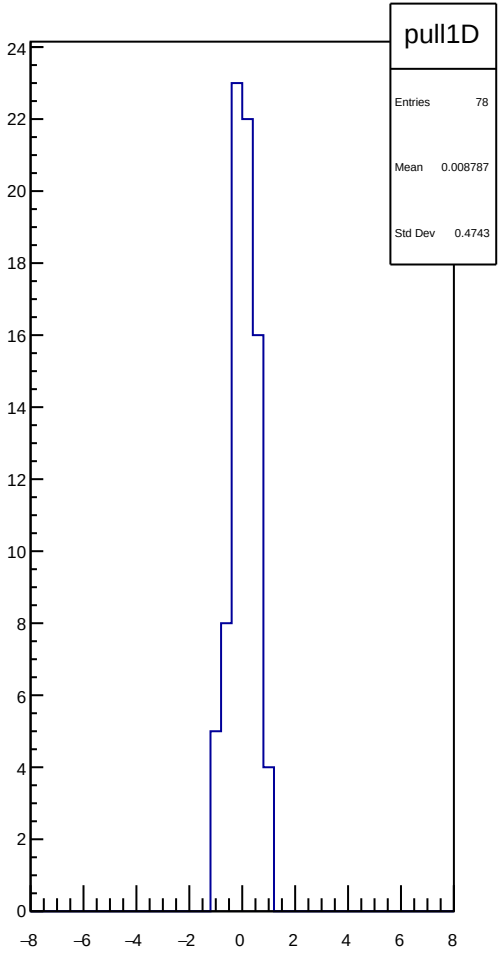

pull1D
Entries 78
Mean 0.0109
Std Dev 1.209

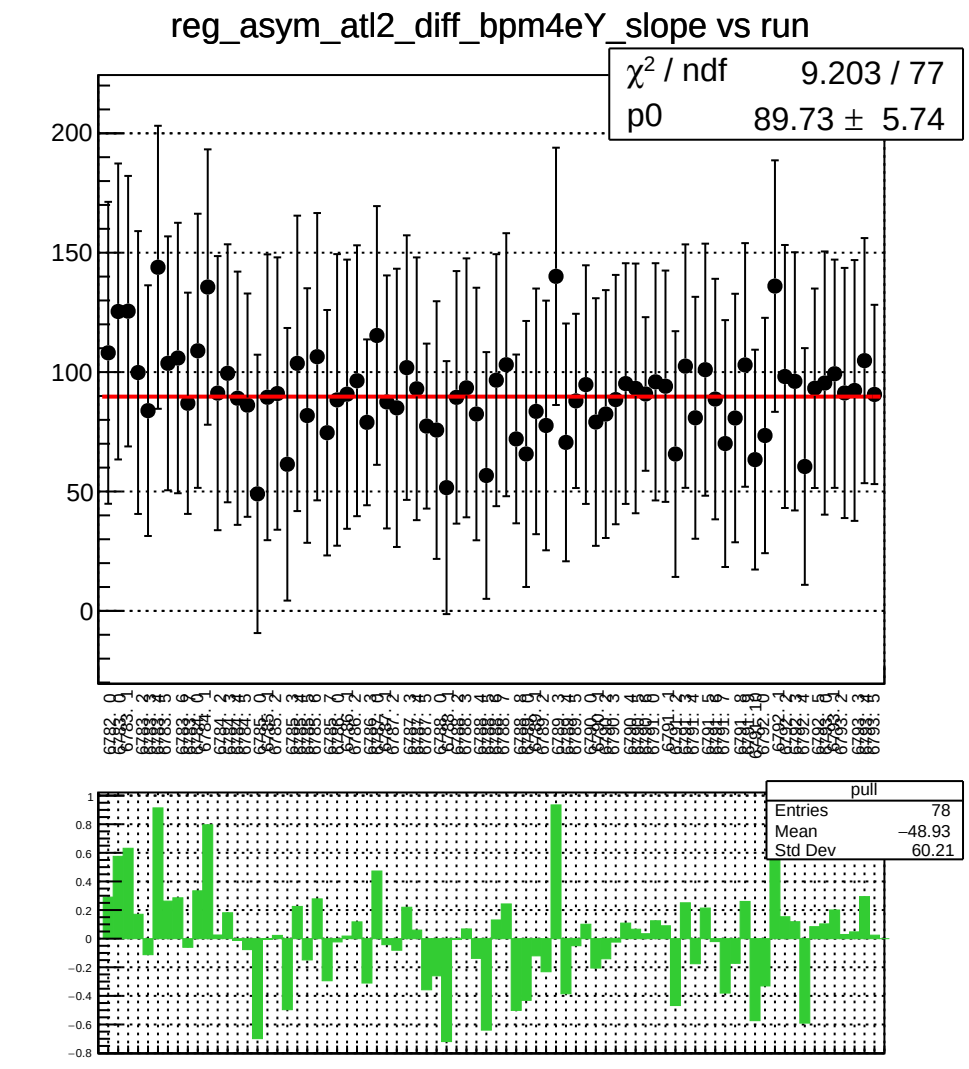

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 17.72 / 77
p0 −573.6 ± 8.784
−400
−450
−500
−550
−600
−650
−700
−750
pull
Entries 78
Mean −96.25
Std Dev 123.8
1
0.5
0
−0.5
−1

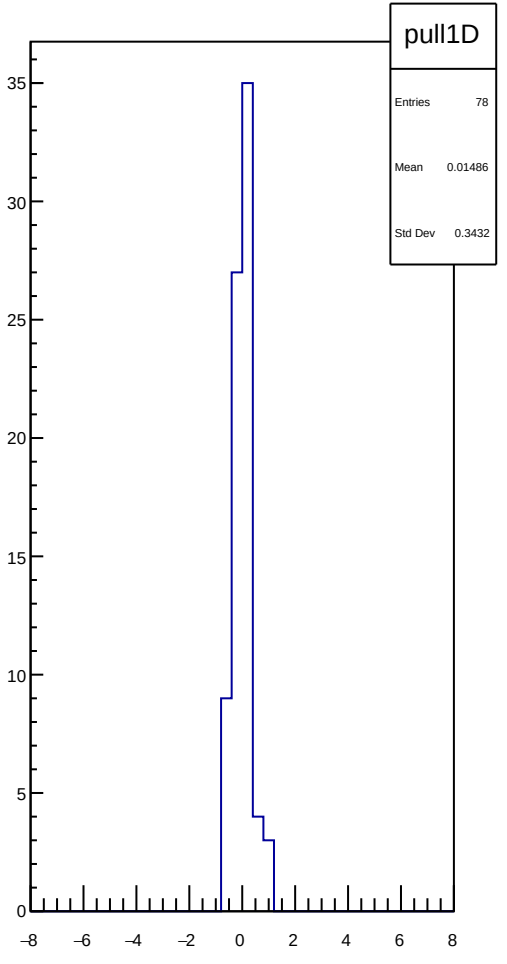

pull1D
Entries 78
Mean −0.009734
Std Dev 0.4766
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

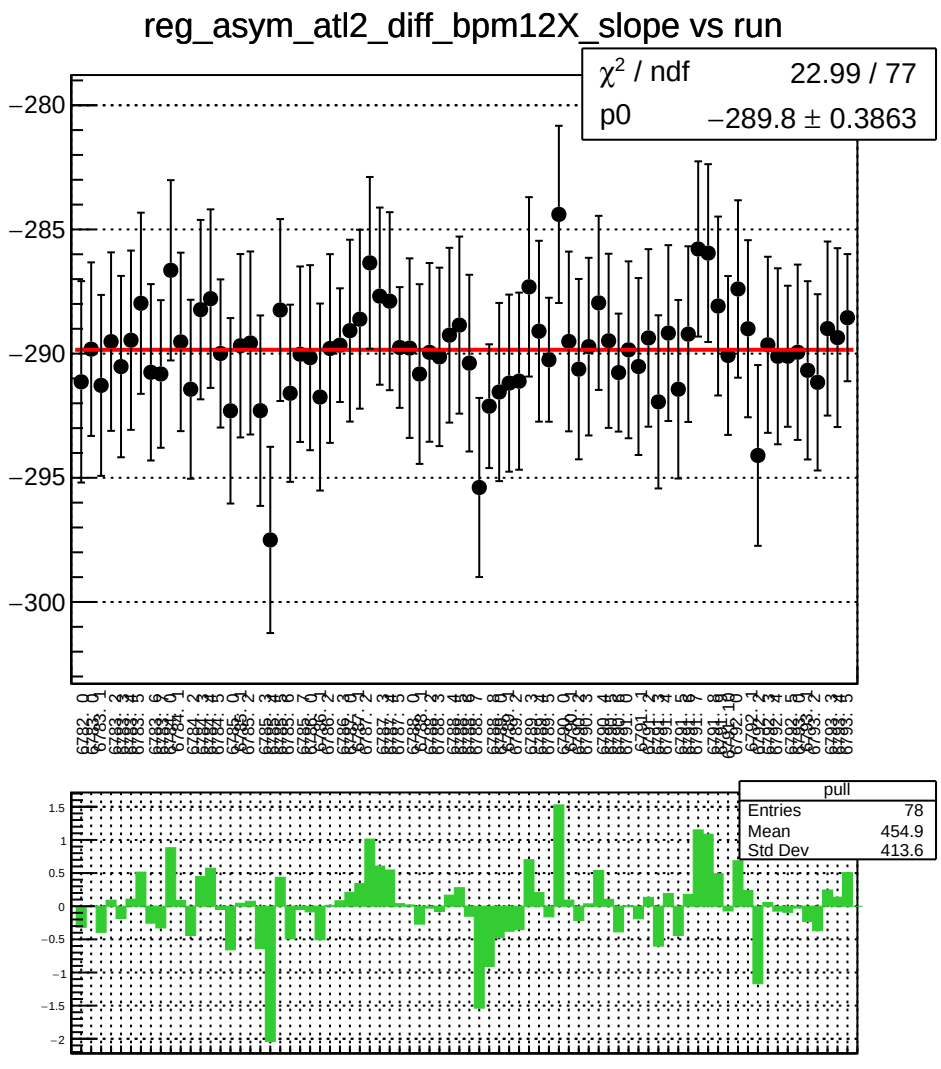

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.184 / 77
p0 36.57 ± 4.162
pull
Entries 78
Mean −4.949
Std Dev 39.11
pull1D
Entries 78
Mean −0.01497
Std Dev 0.3236

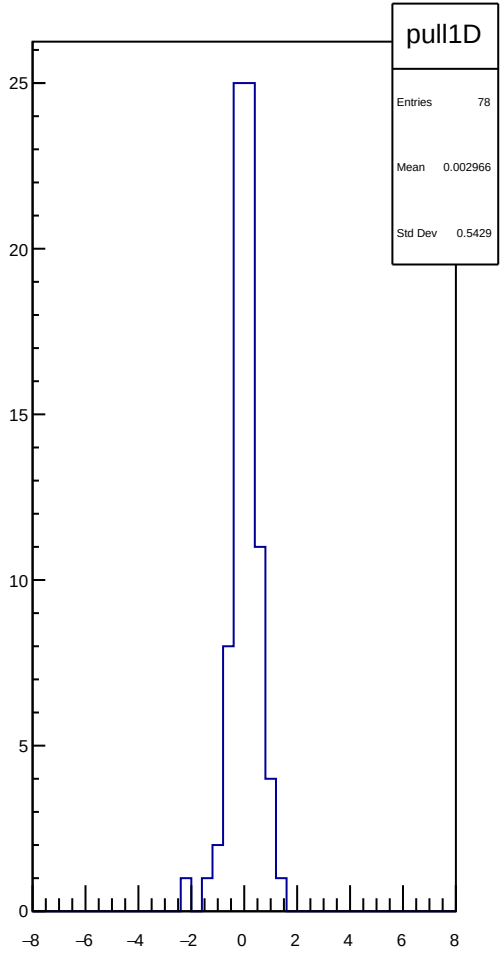

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 17.55 / 77
p0 470.8 ± 8.202
pull
Entries 78
Mean −99.67
Std Dev 125.6

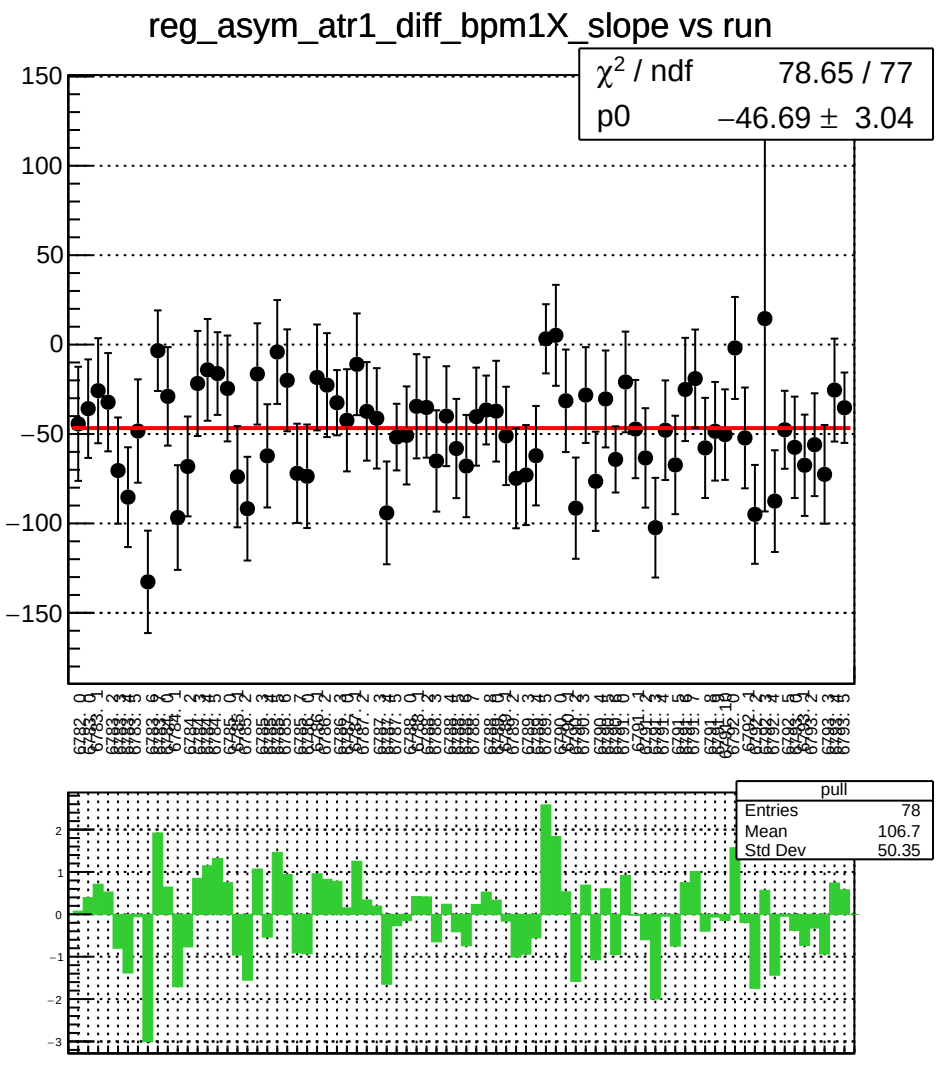

pull1D
Entries 78
Mean 0.008787
Std Dev 0.4743

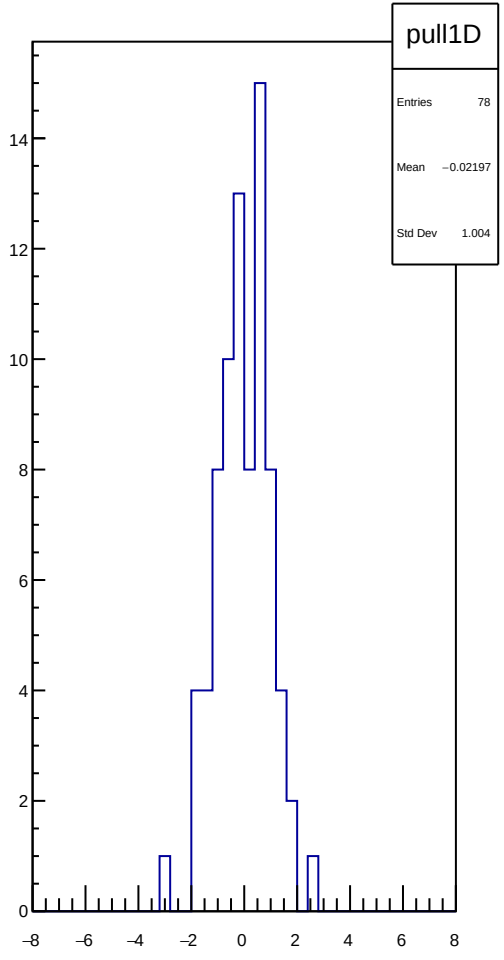

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.203 / 77
p0 89.73 ± 5.74
200
150
100
50
0
pull
Entries 78
Mean −48.93
Std Dev 60.21
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

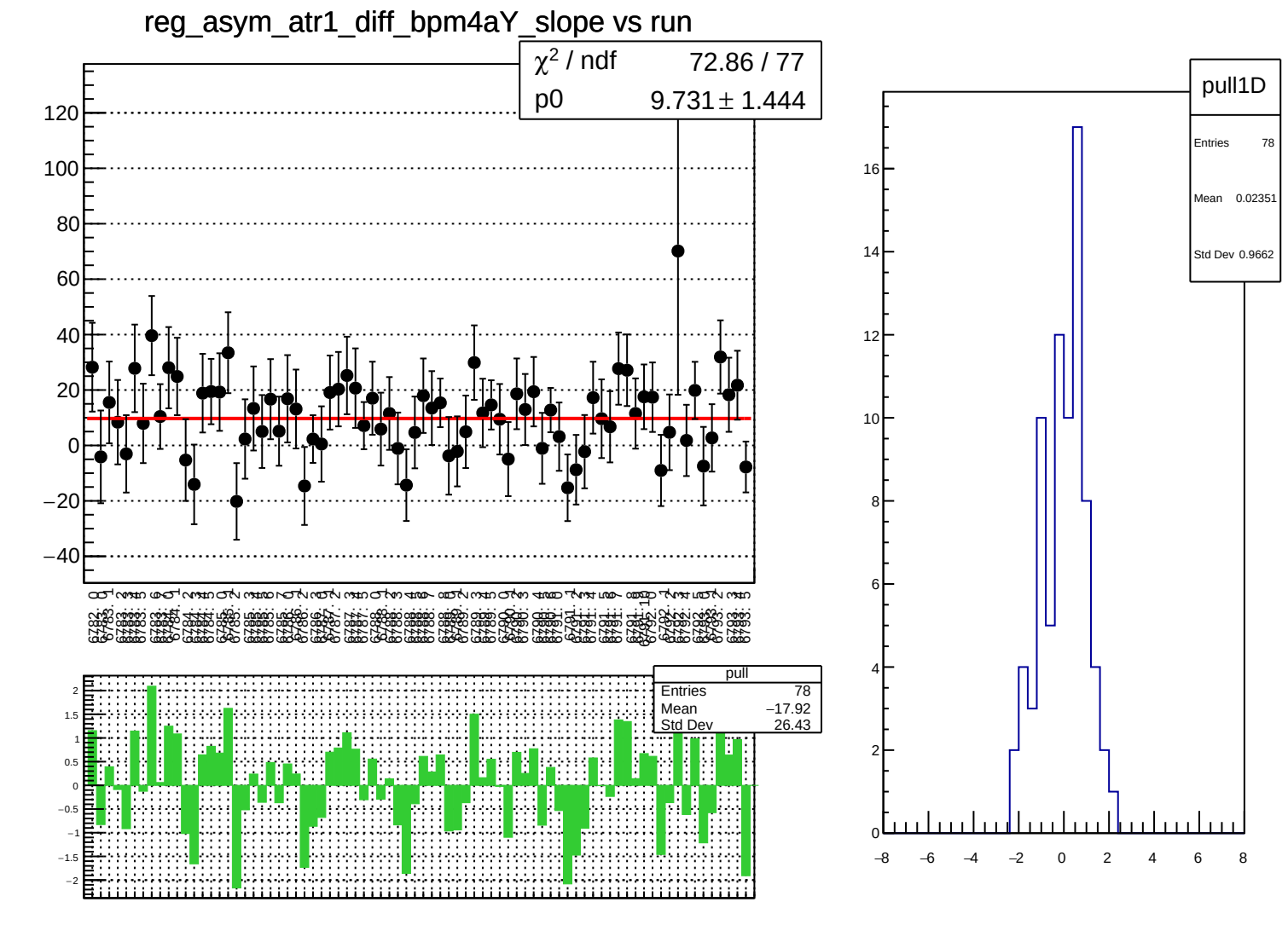

pull1D
Entries 78
Mean 0.01486
Std Dev 0.3432
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

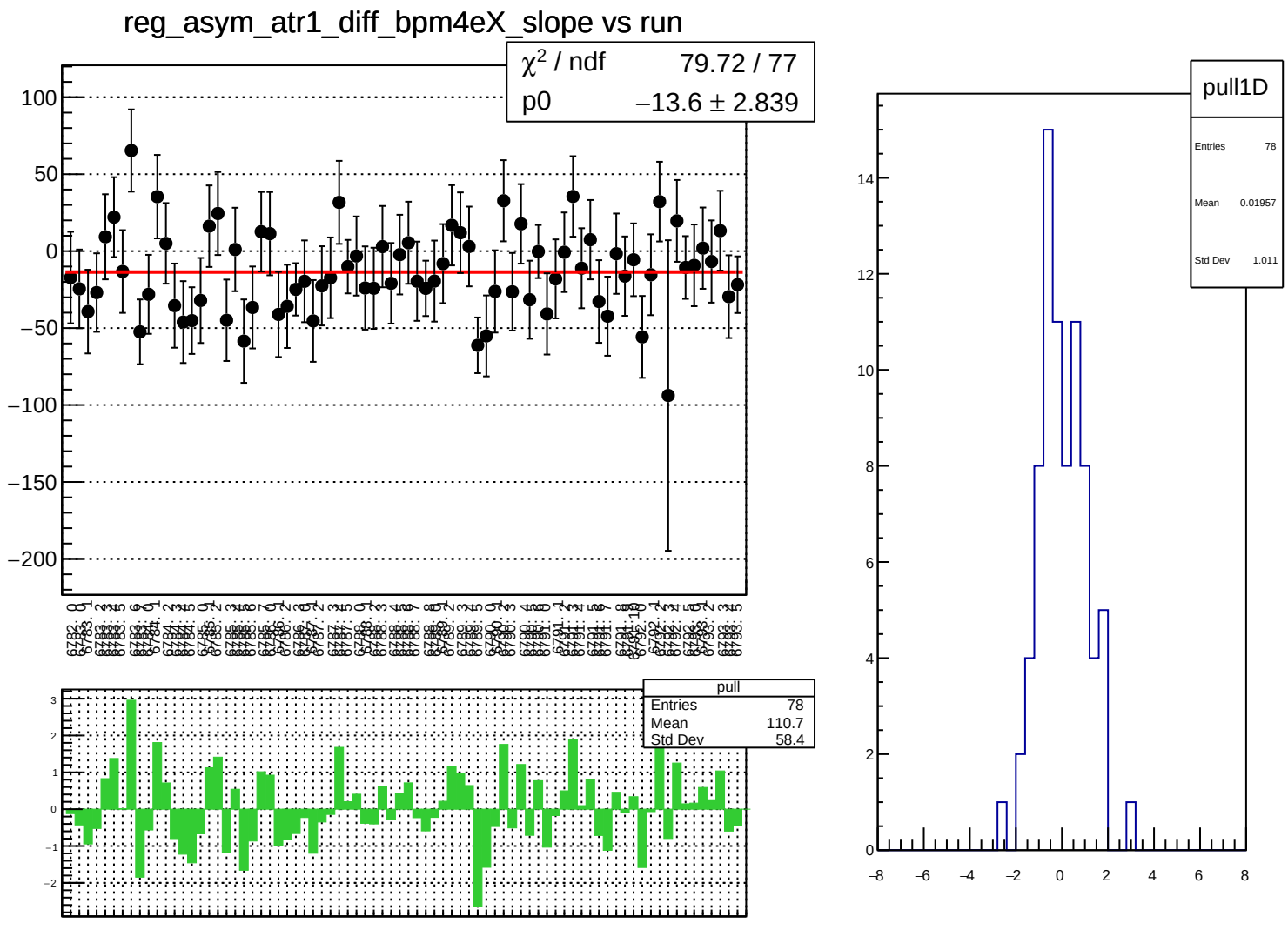

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.99 / 77
p0 −289.8 ± 0.3863
pull
Entries 78
Mean 454.9
Std Dev 413.6

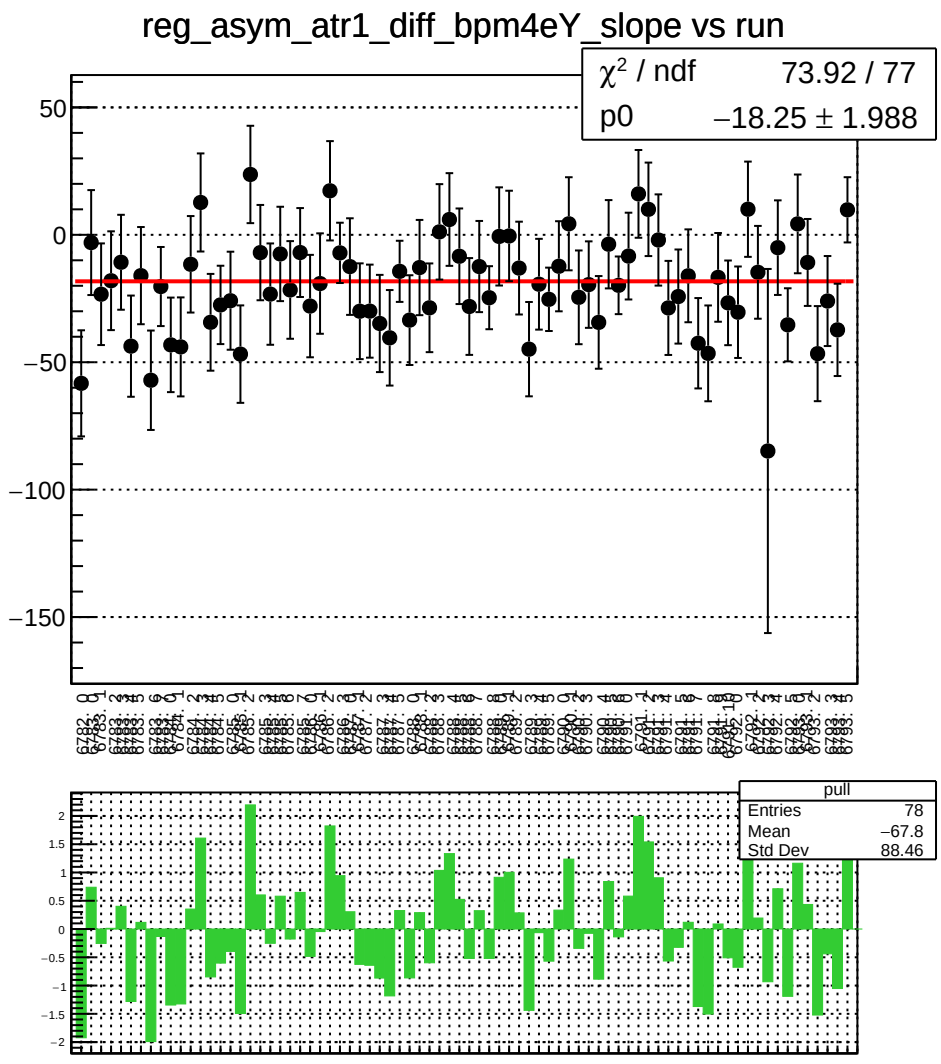

pull1D
Entries 78
Mean 0.002966
Std Dev 0.5429

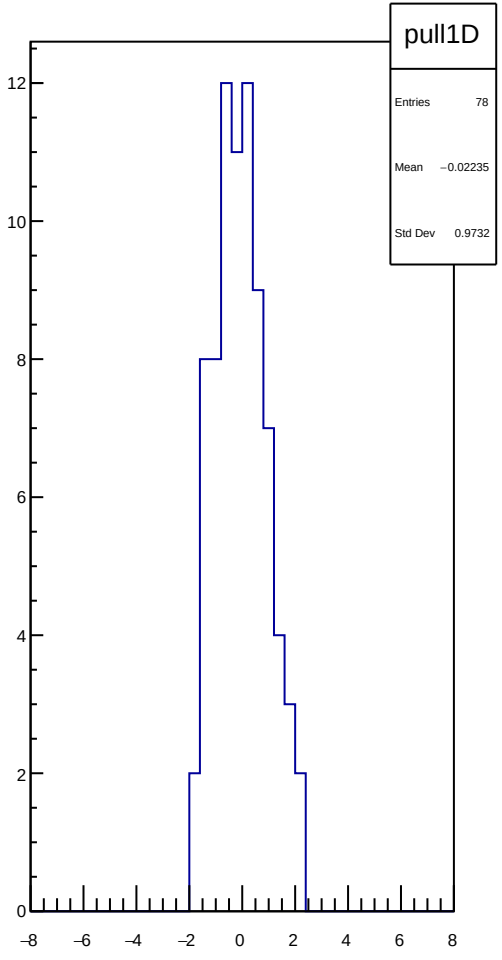

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 78.65 / 77
p0 −46.69 ± 3.04
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 106.7
Std Dev 50.35
2
1
0
−1
−2
−3

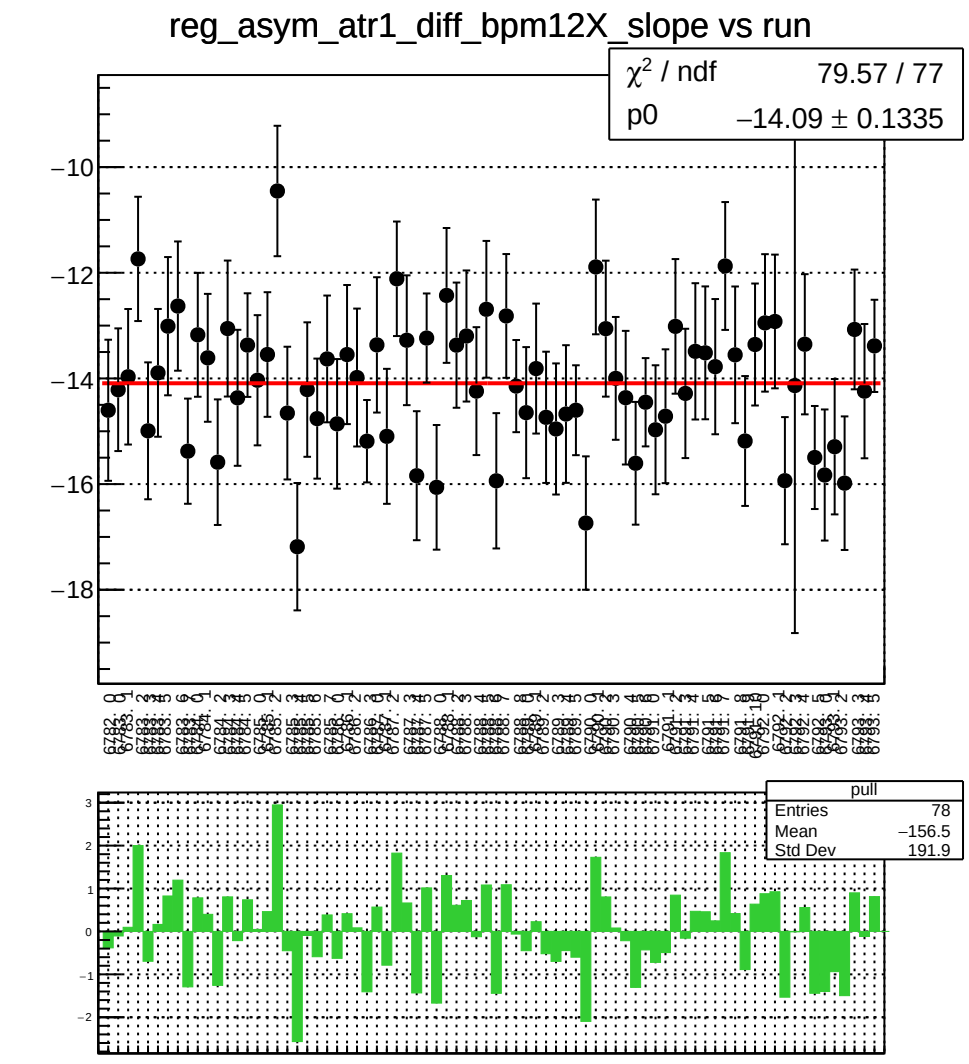

pull1D
Entries 78
Mean −0.02197
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

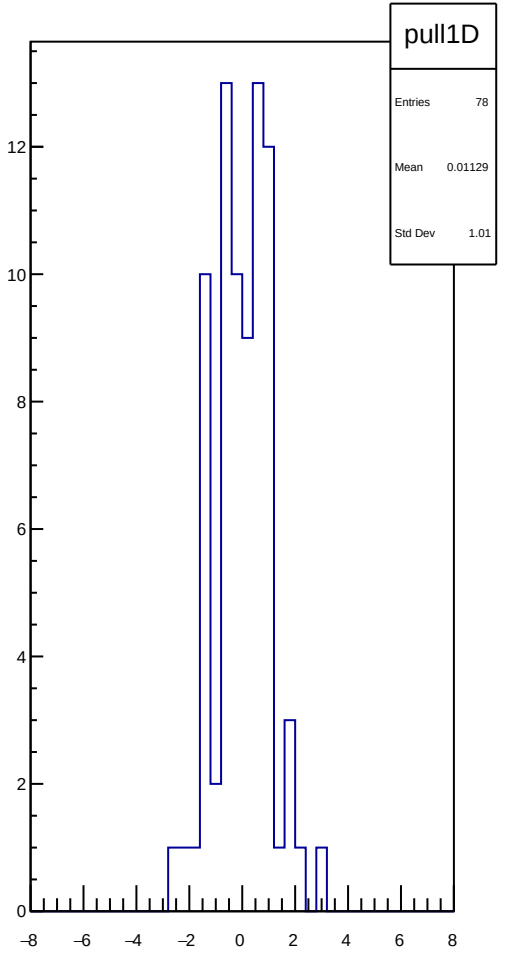

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 72.86 / 77
p0 9.731 ± 1.444
pull
Entries 78
Mean −17.92
Std Dev 26.43
pull1D
Entries 78
Mean 0.02351
Std Dev 0.9662

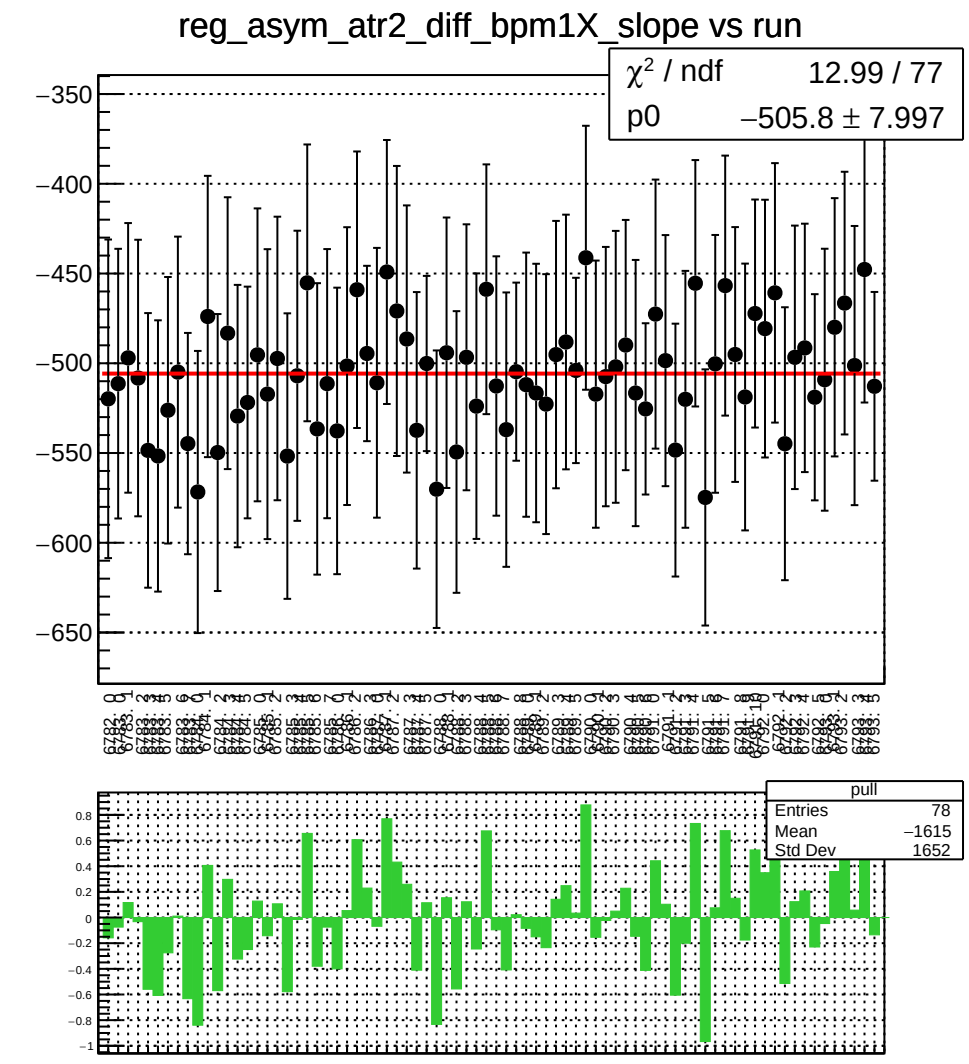

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.72 / 77
p0 −13.6 ± 2.839
pull
Entries 78
Mean 110.7
Std Dev 58.4
pull1D
Entries 78
Mean 0.01957
Std Dev 1.011

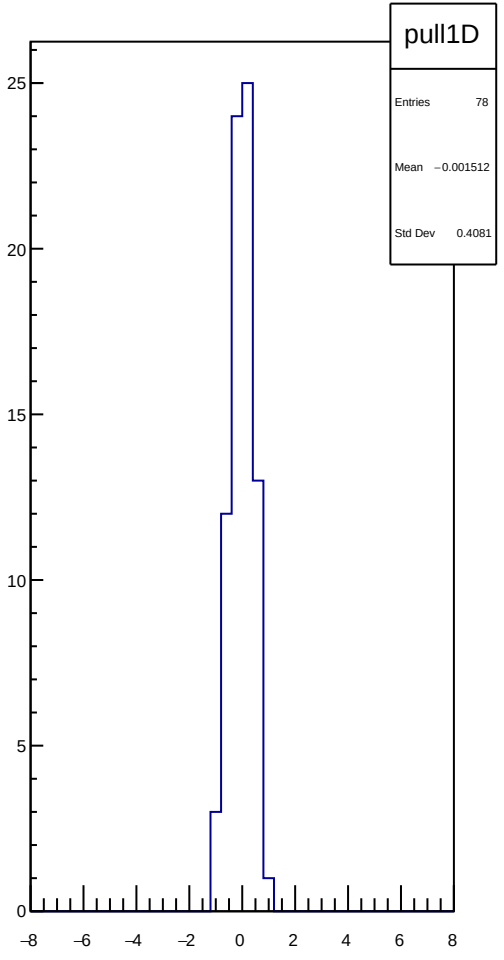

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 73.92 / 77
p0 −18.25 ± 1.988
pull
Entries 78
Mean −67.8
Std Dev 88.46

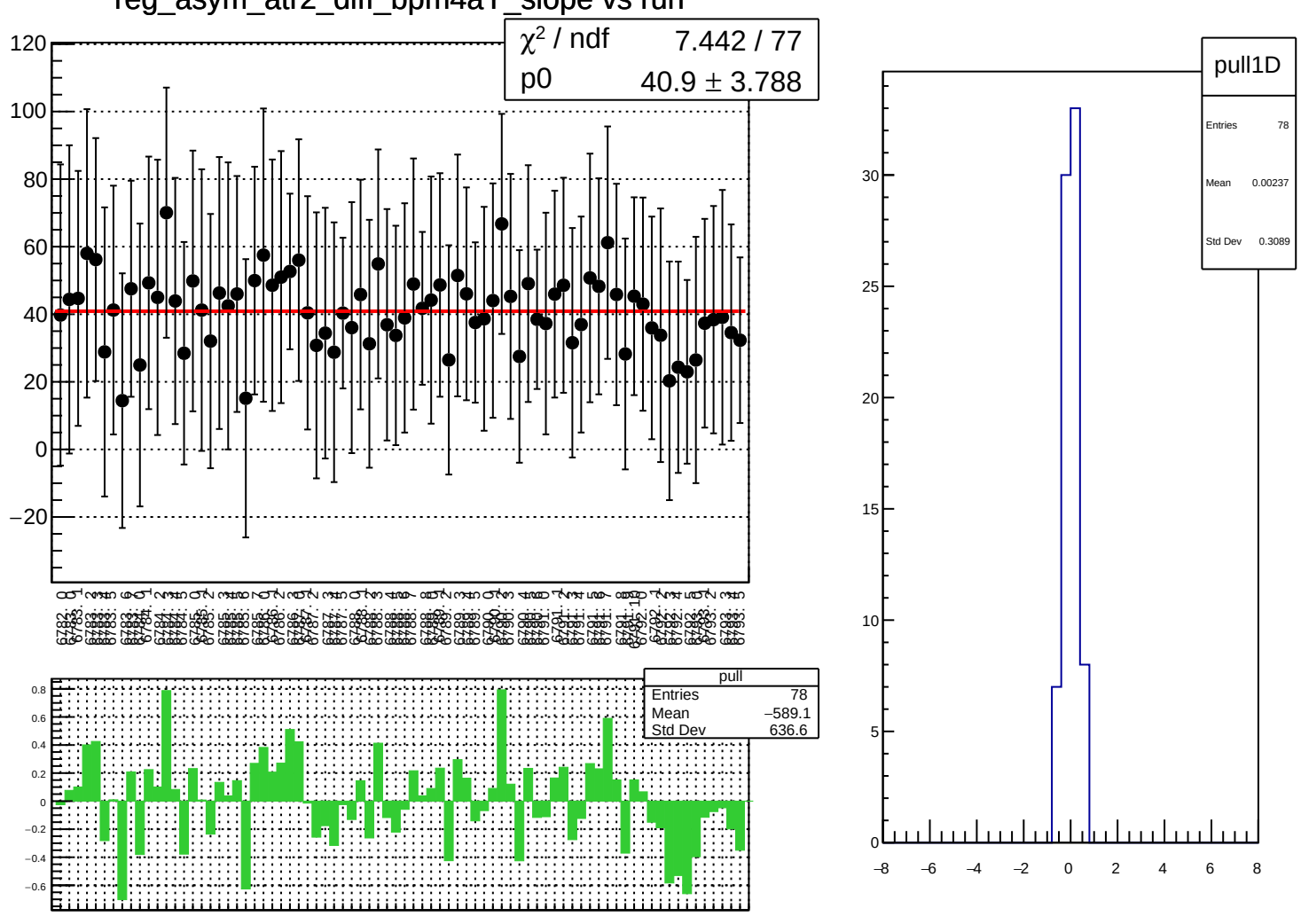

pull1D
Entries 78
Mean −0.02235
Std Dev 0.9732

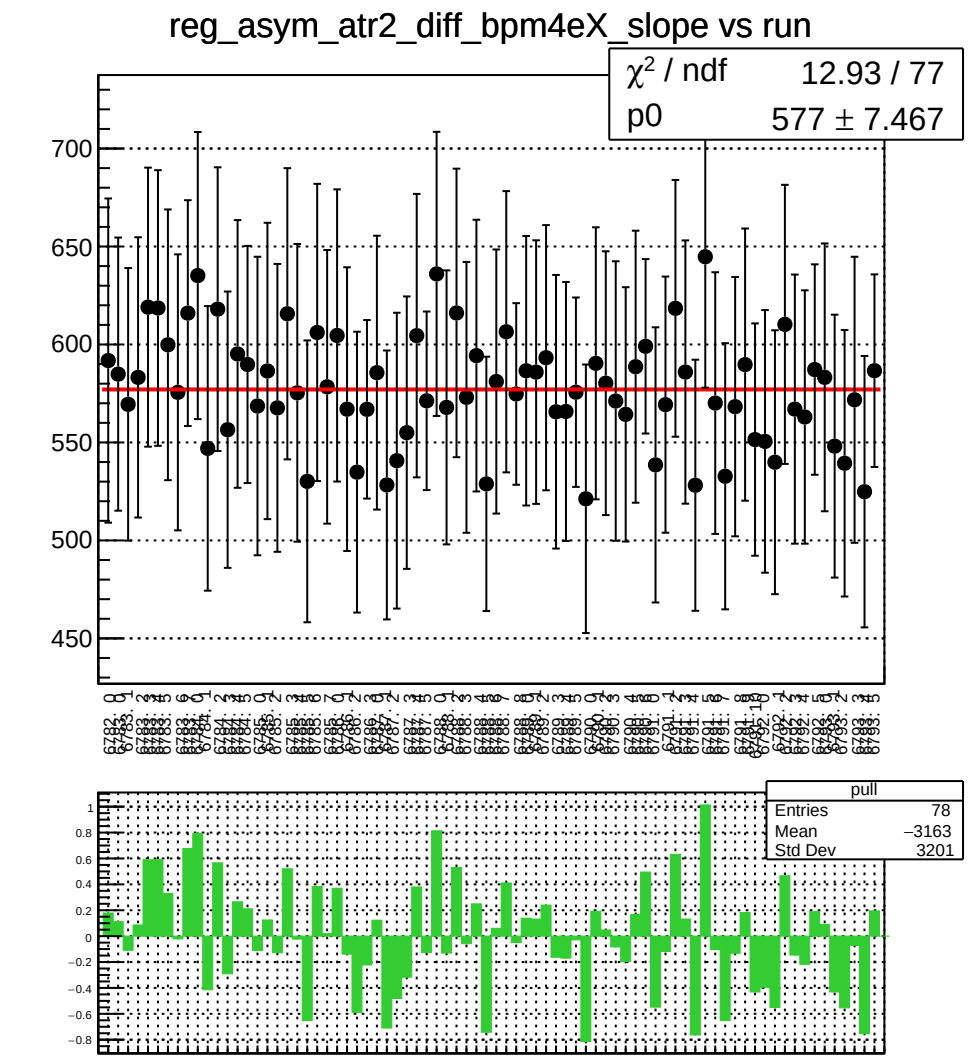

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 79.57 / 77
p0 −14.09 ± 0.1335
pull
Entries 78
Mean −156.5
Std Dev 191.9

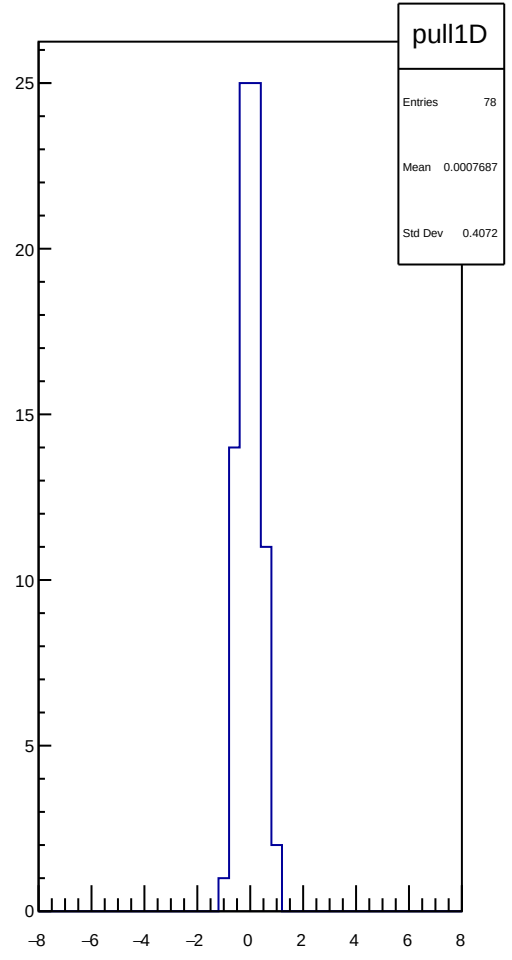

pull1D
Entries 78
Mean 0.01129
Std Dev 1.01

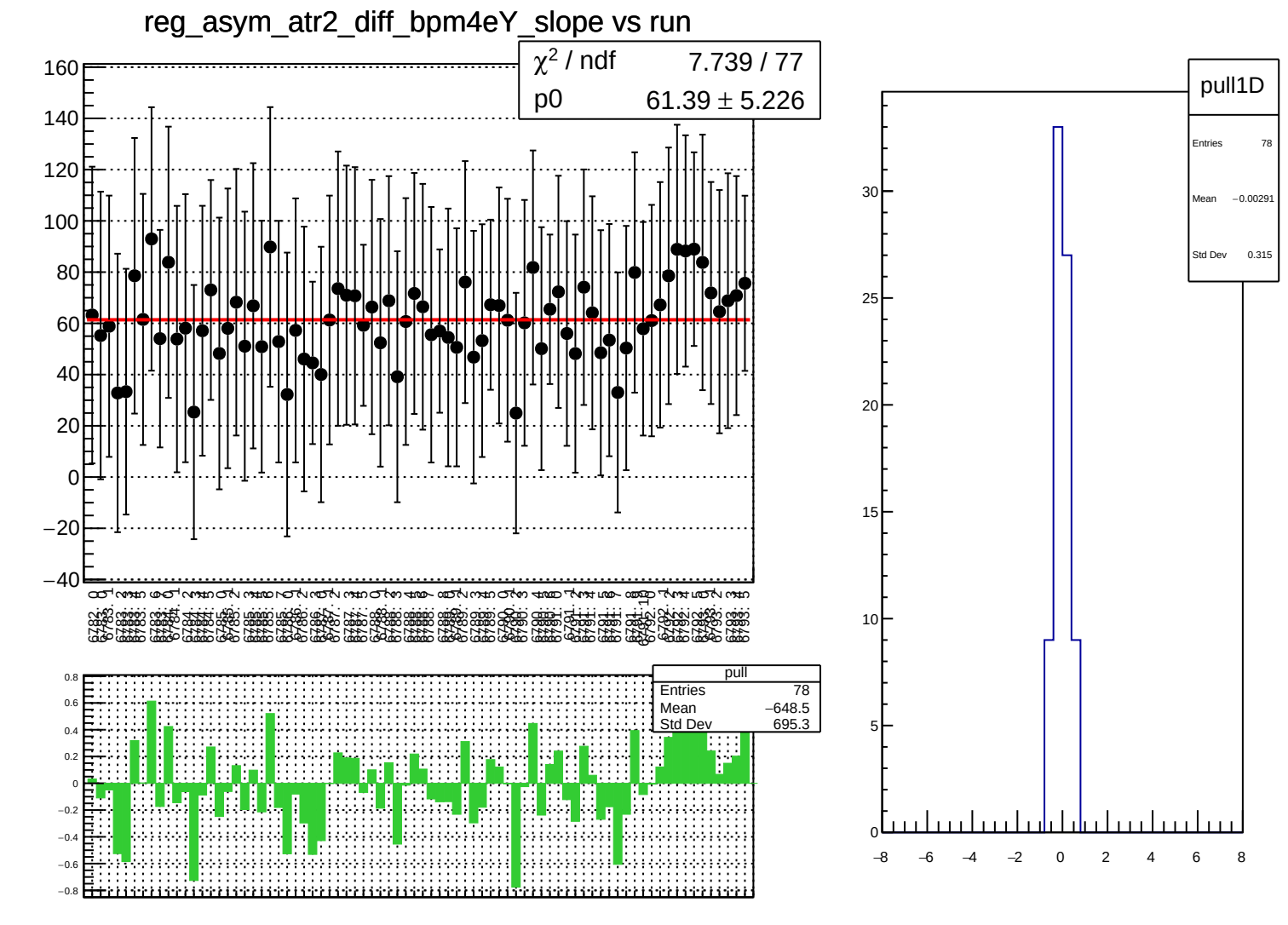

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.99 / 77
p0 −505.8 ± 7.997
pull
Entries 78
Mean −1615
Std Dev 1652

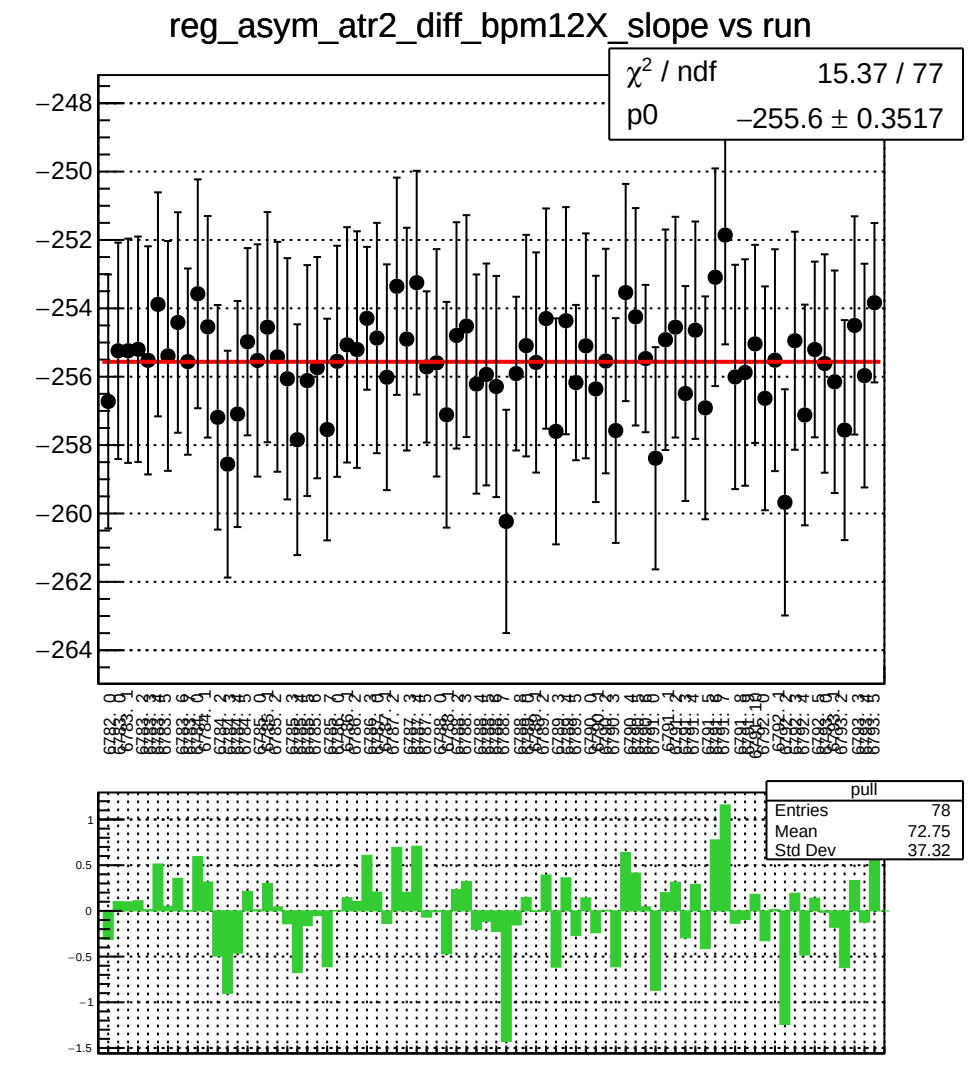

pull1D
Entries 78
Mean −0.001512
Std Dev 0.4081

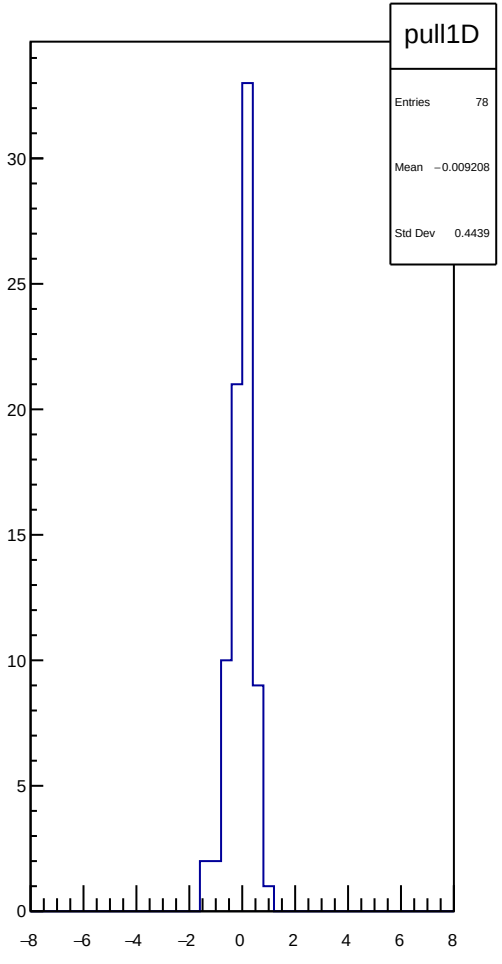

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.442 / 77
p0 40.9 ± 3.788
pull
Entries 78
Mean −589.1
Std Dev 636.6
pull1D
Entries 78
Mean 0.00237
Std Dev 0.3089

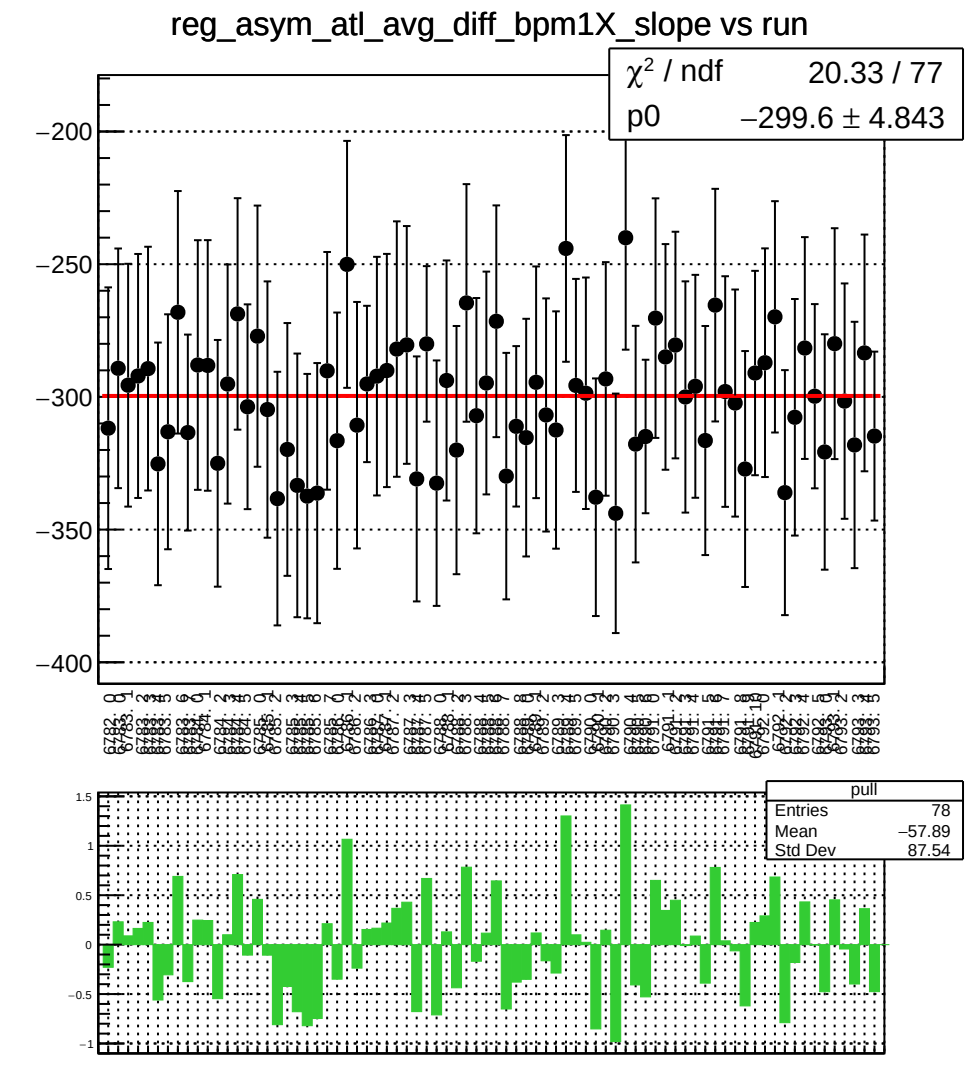

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.93 / 77
p0 577 ± 7.467
pull
Entries 78
Mean −3163
Std Dev 3201

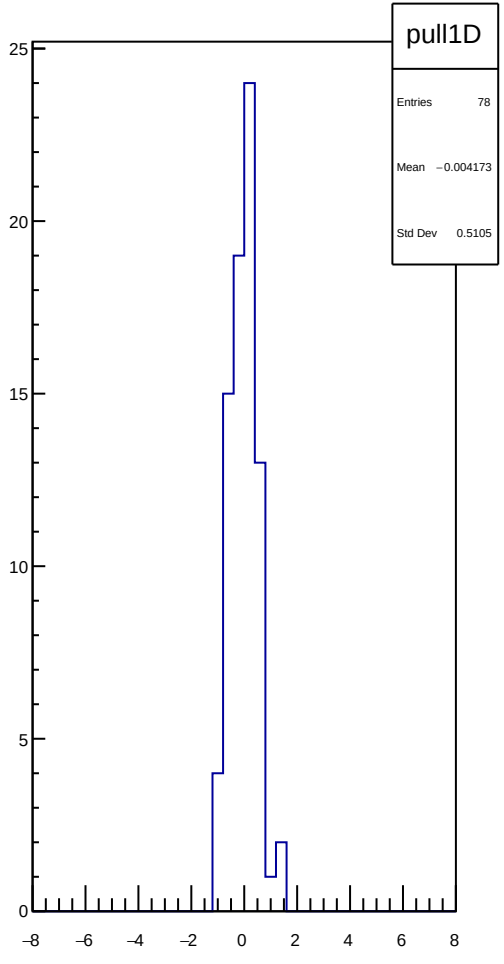

pull1D
Entries 78
Mean 0.0007687
Std Dev 0.4072

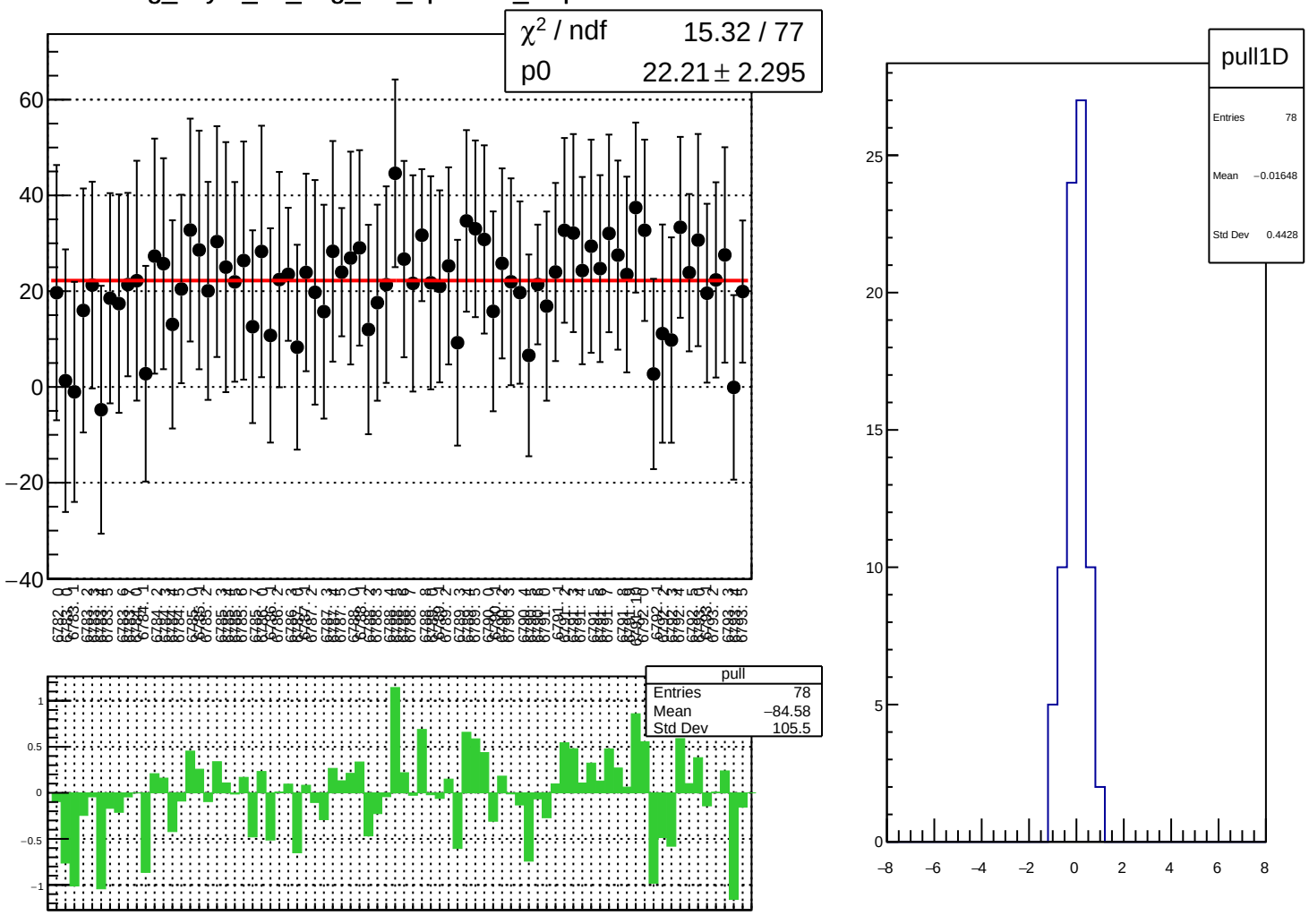

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.739 / 77
p0 61.39 ± 5.226
pull
Entries 78
Mean −648.5
Std Dev 695.3
pull1D
Entries 78
Mean −0.00291
Std Dev 0.315

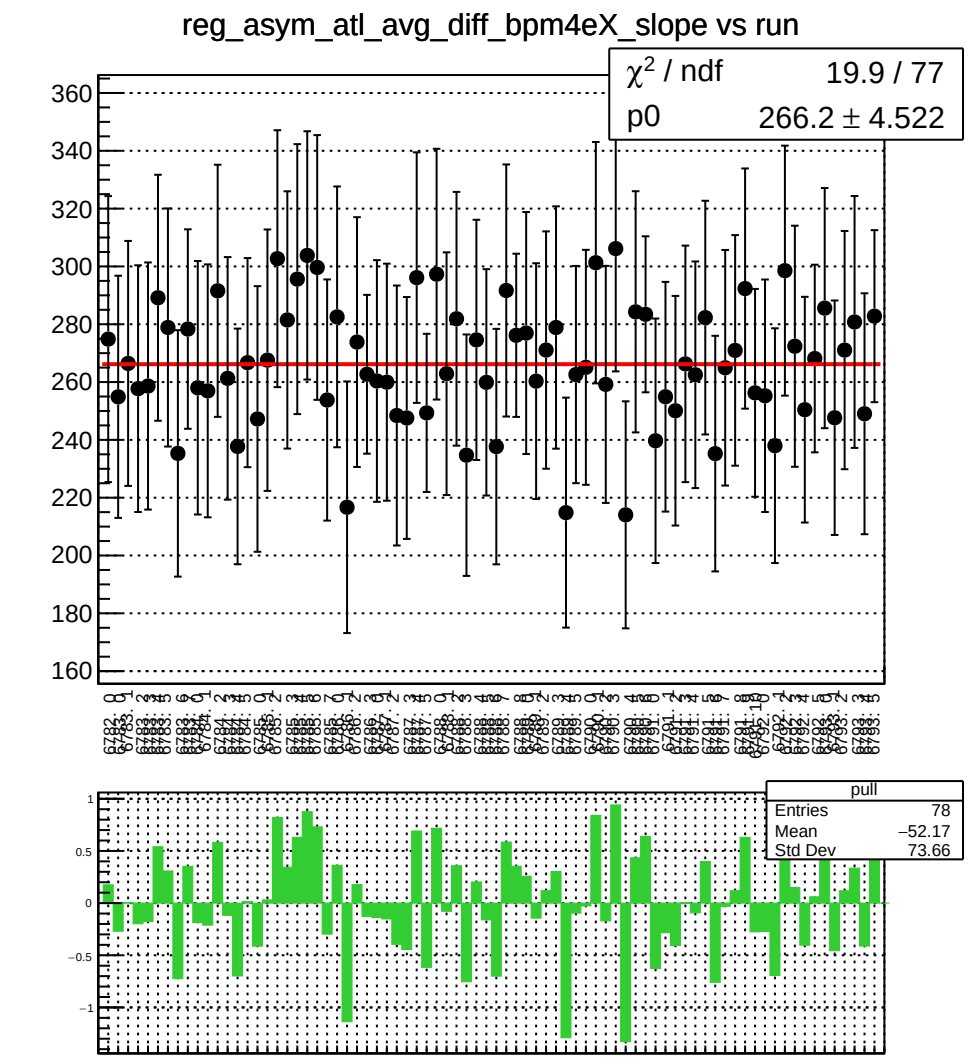

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.37 / 77
p0 −255.6 ± 0.3517
pull
Entries 78
Mean 72.75
Std Dev 37.32

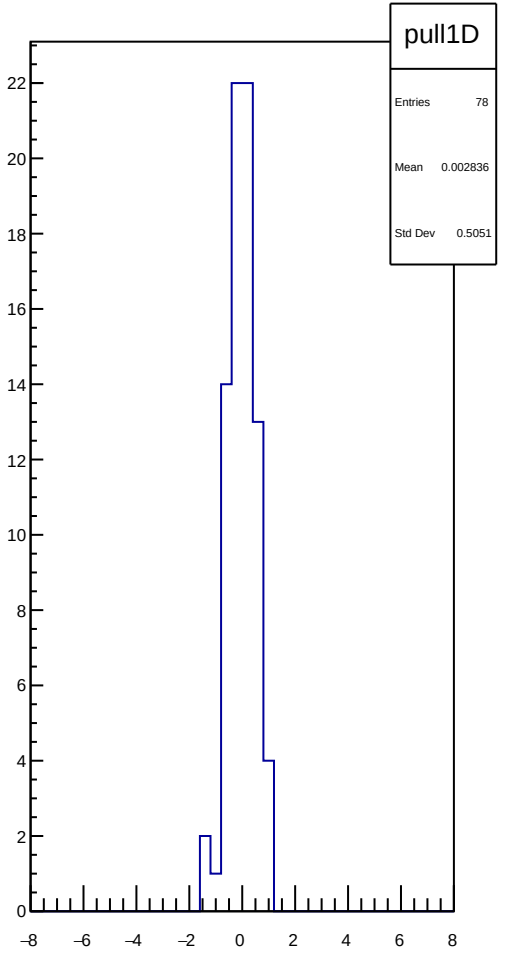

pull1D
Entries 78
Mean −0.009208
Std Dev 0.4439

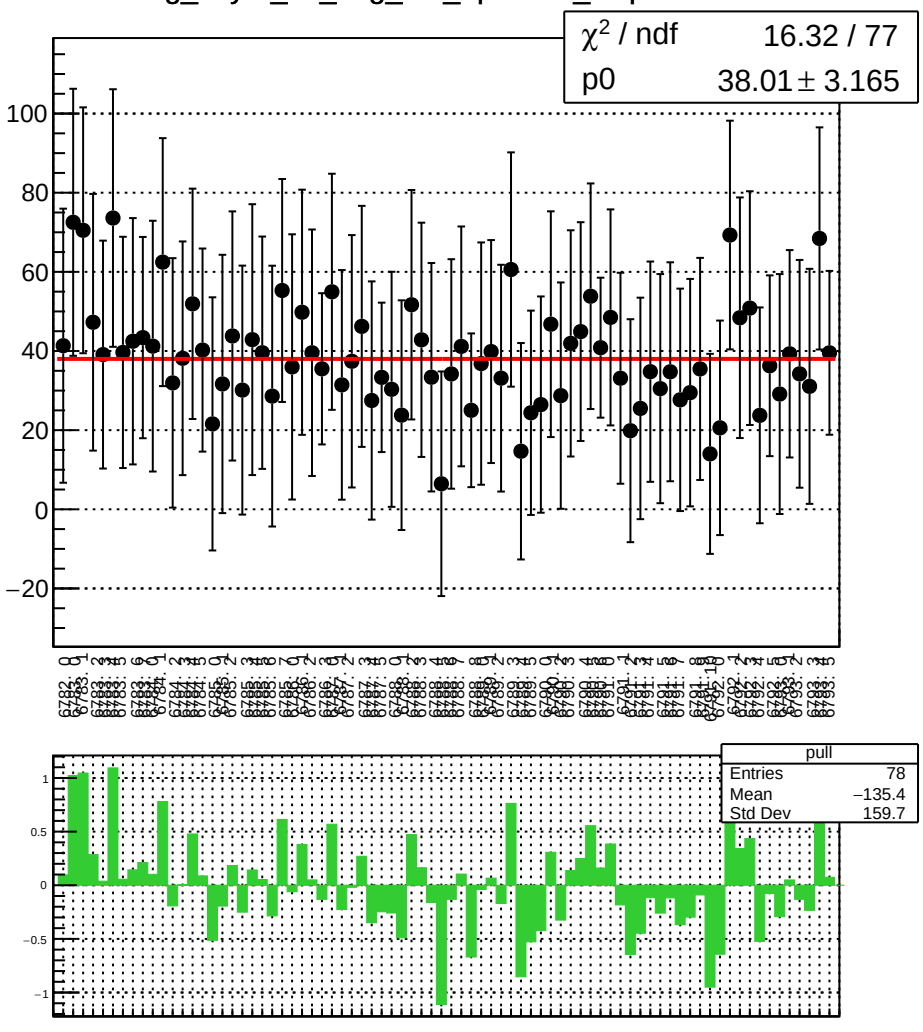

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 20.33 / 77
p0 −299.6 ± 4.843
−200
−250
−300
−350
−400
pull
Entries 78
Mean −57.89
Std Dev 87.54
1.5
1
0.5
0
−0.5
−1

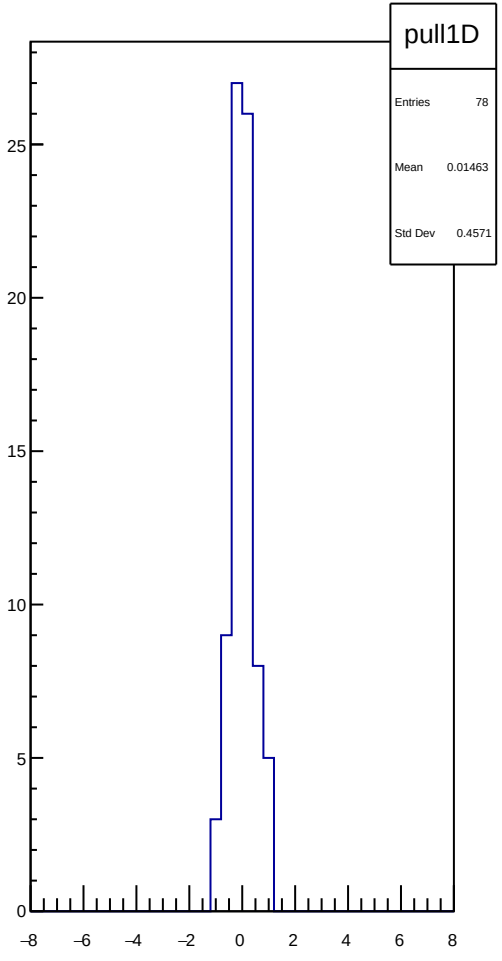

pull1D
Entries 78
Mean −0.004173
Std Dev 0.5105
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

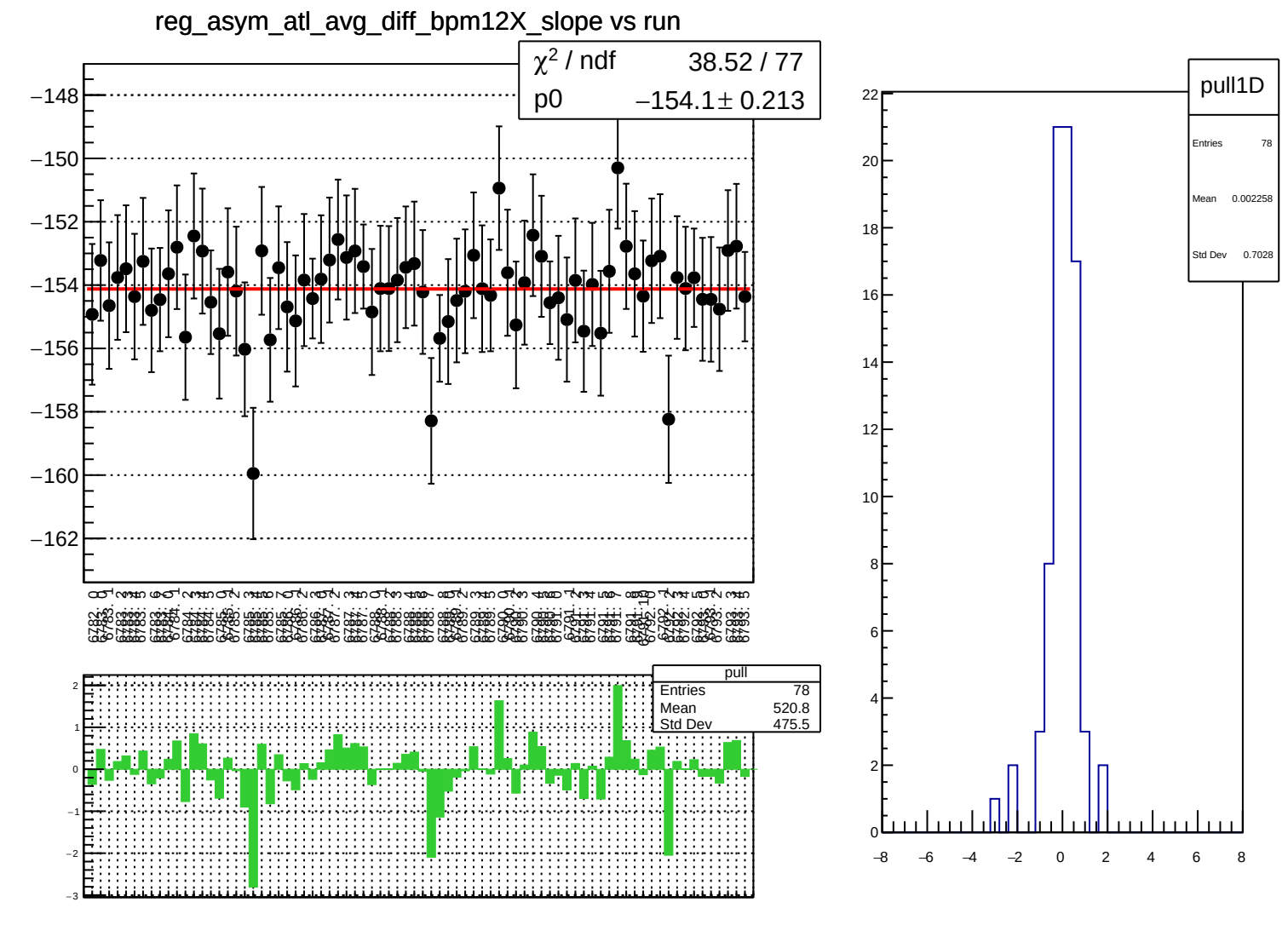

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.32 / 77
p0 22.21 ± 2.295
pull
Entries 78
Mean −84.58
Std Dev 105.5
pull1D
Entries 78
Mean −0.01648
Std Dev 0.4428

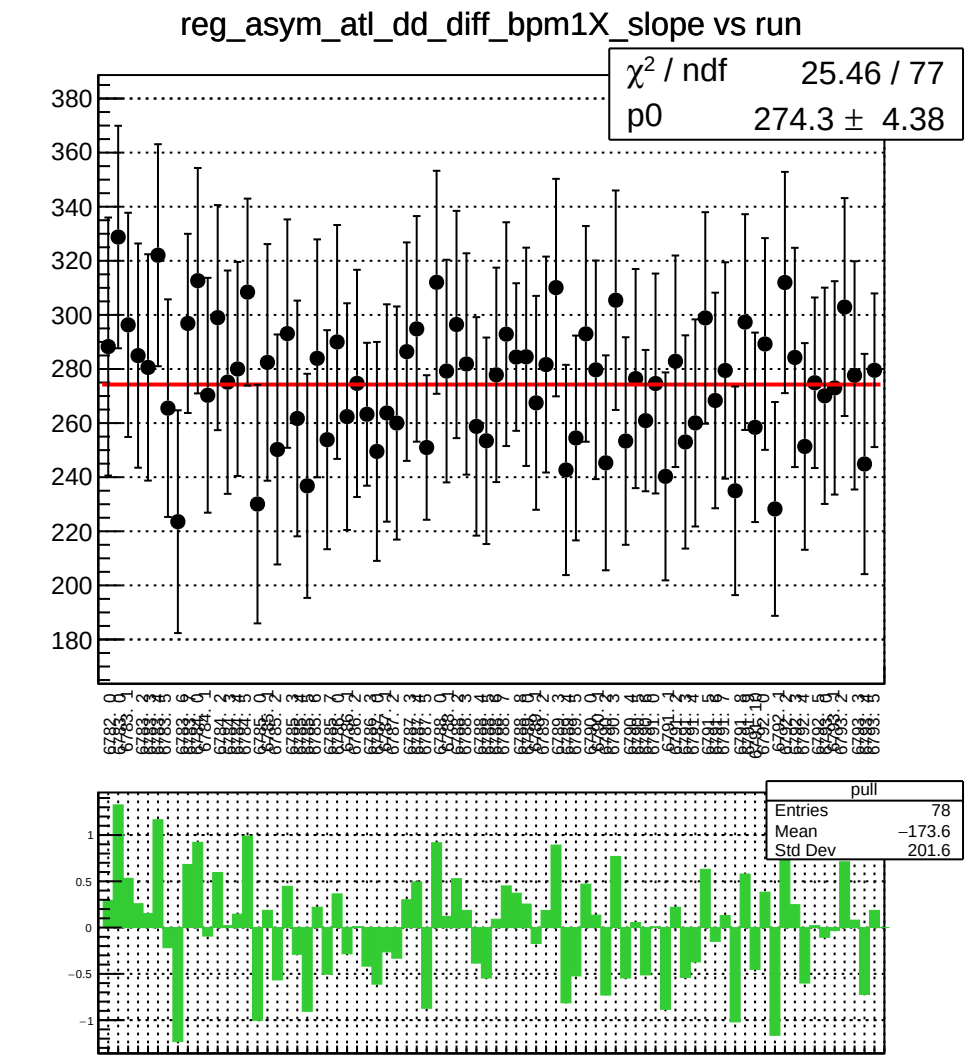

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.9 / 77
p0 266.2 ± 4.522
pull
Entries 78
Mean −52.17
Std Dev 73.66

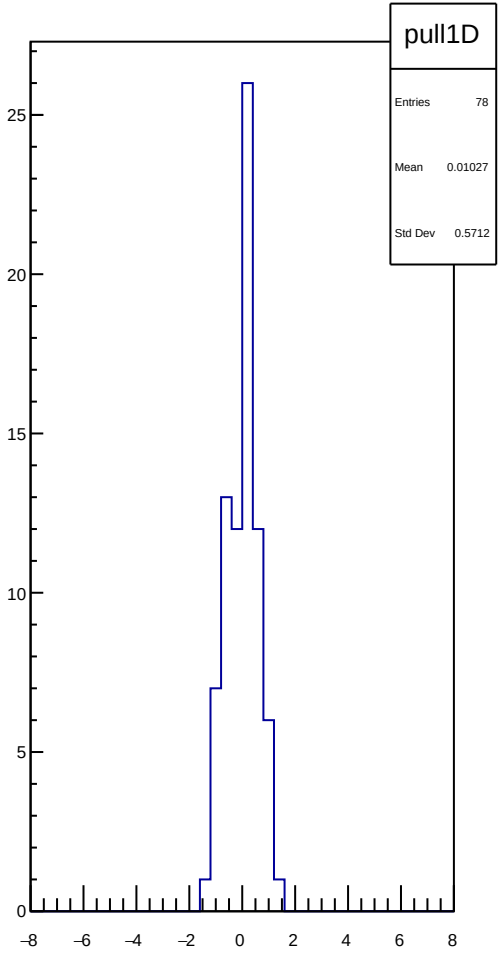

pull1D
Entries 78
Mean 0.002836
Std Dev 0.5051

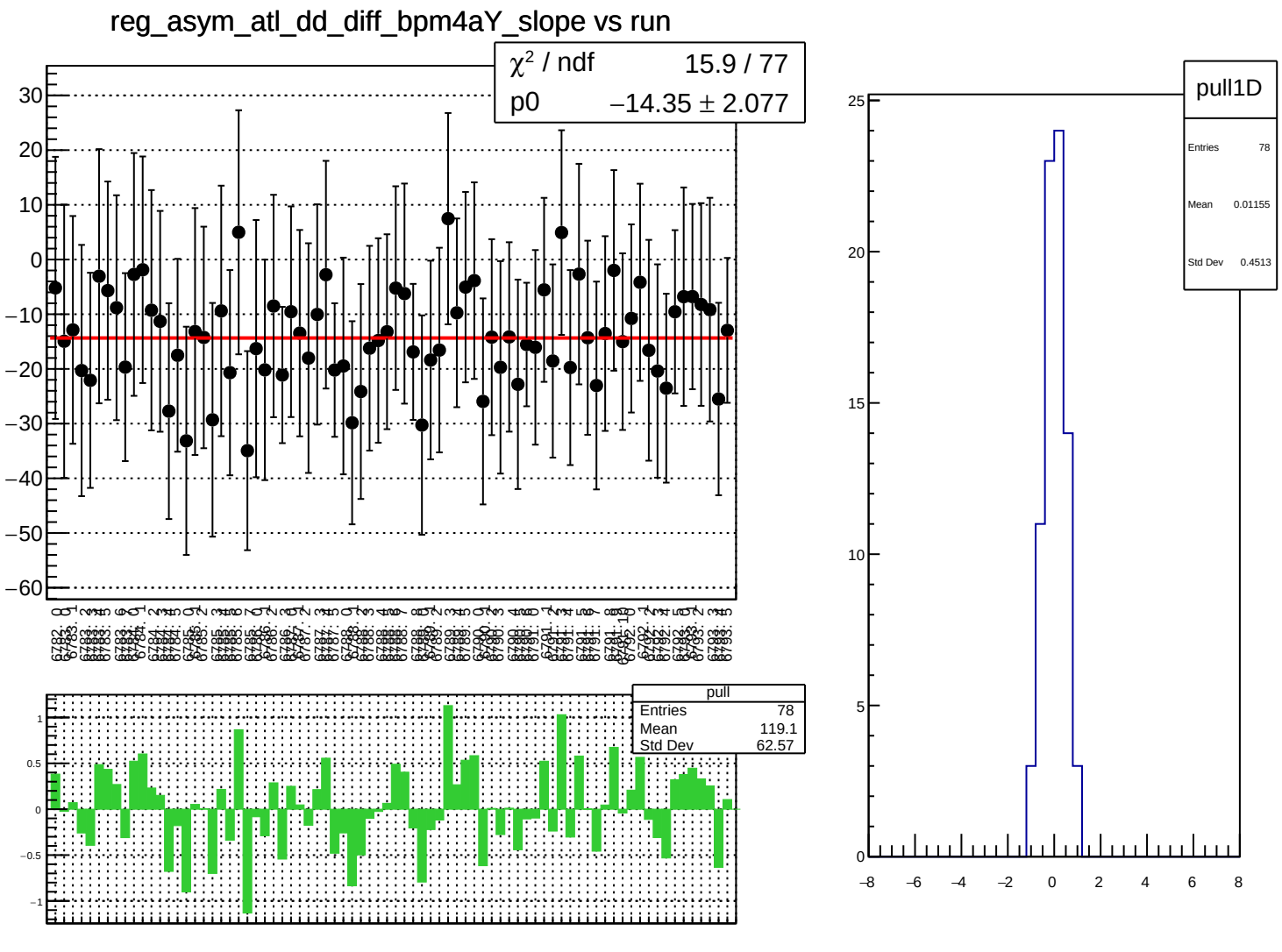

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.32 / 77
p0 38.01 ± 3.165
pull
Entries 78
Mean −135.4
Std Dev 159.7

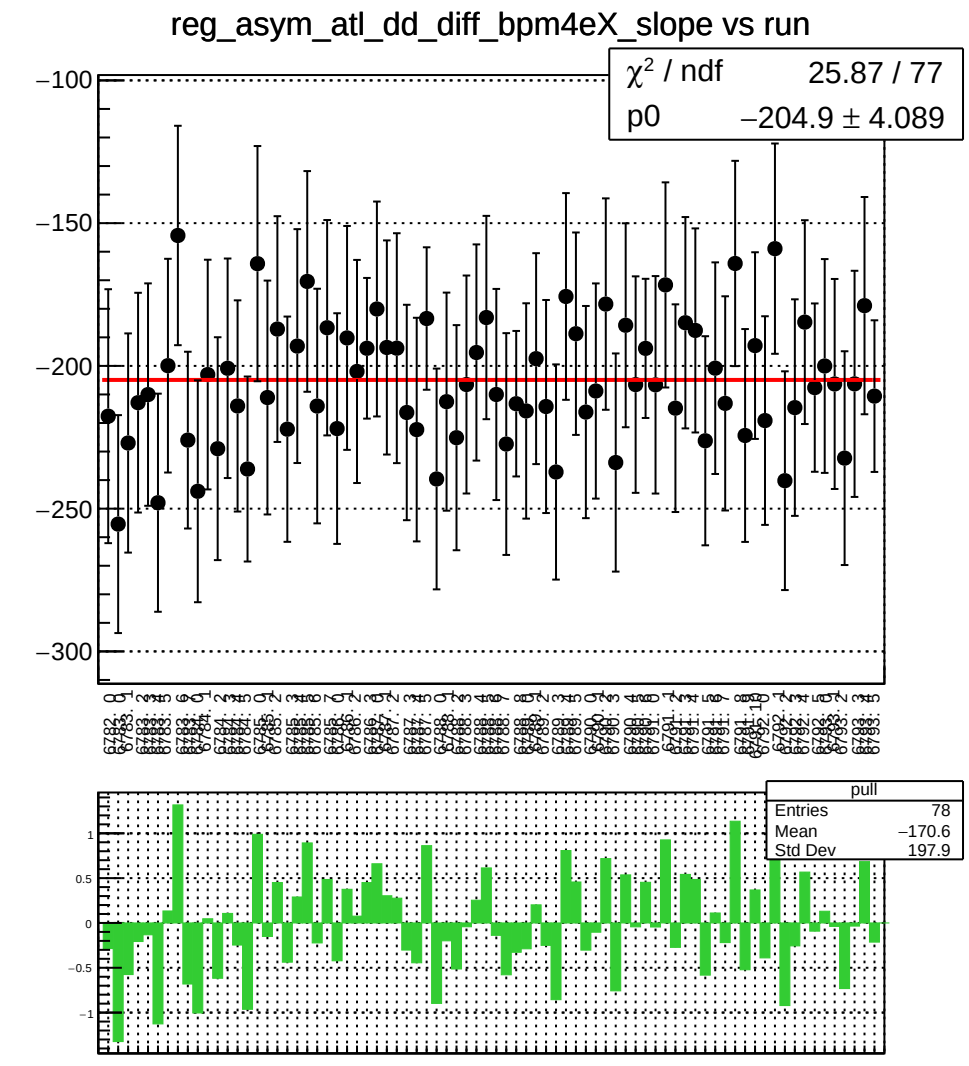

pull1D
Entries 78
Mean 0.01463
Std Dev 0.4571

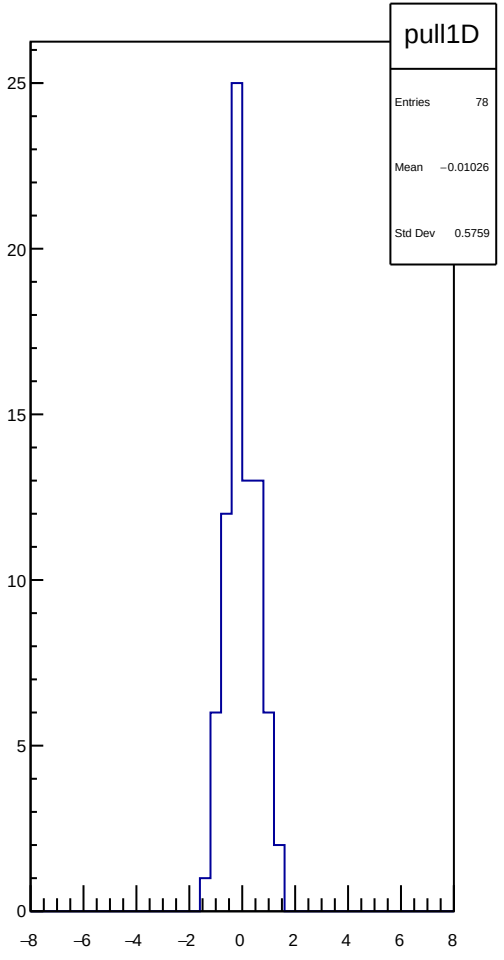

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 38.52 / 77
p0 −154.1 ± 0.213
pull
Entries 78
Mean 520.8
Std Dev 475.5
pull1D
Entries 78
Mean 0.002258
Std Dev 0.7028

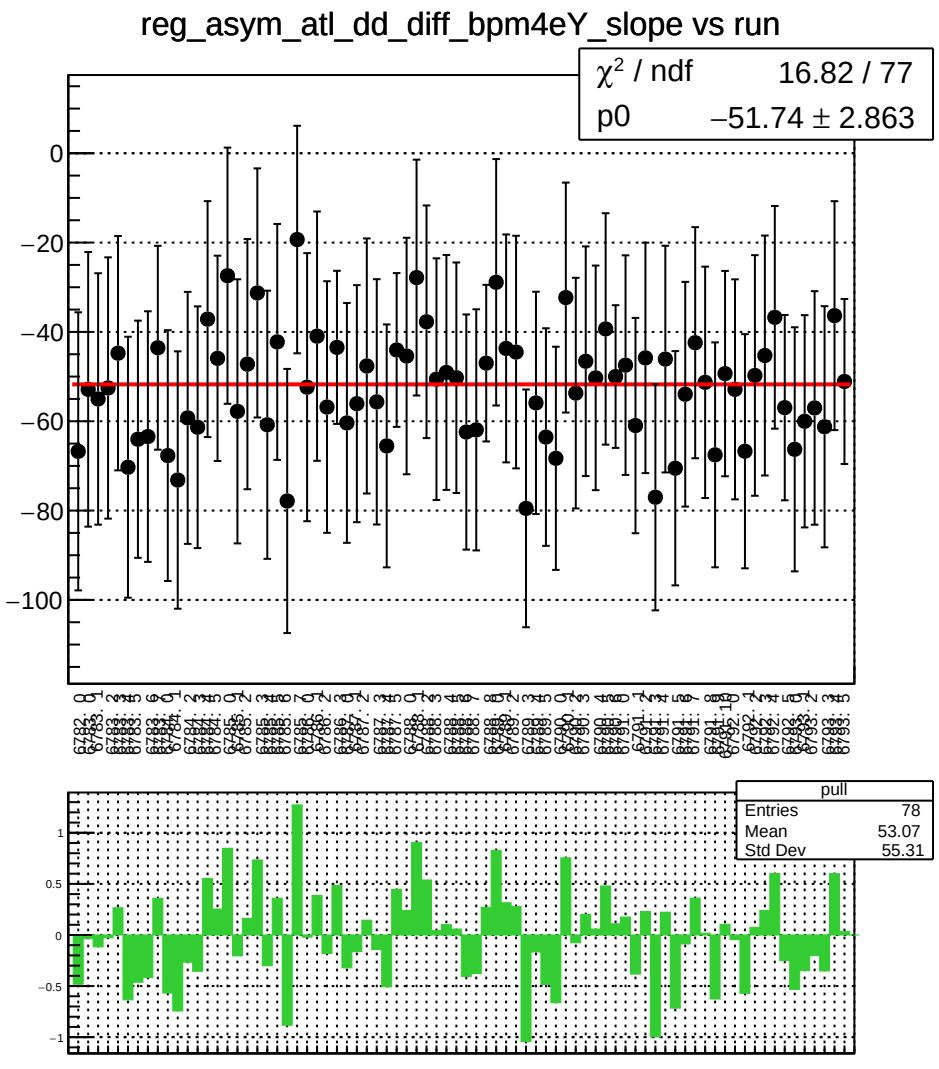

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 25.46 / 77
p0 274.3 ± 4.38
pull
Entries 78
Mean −173.6
Std Dev 201.6

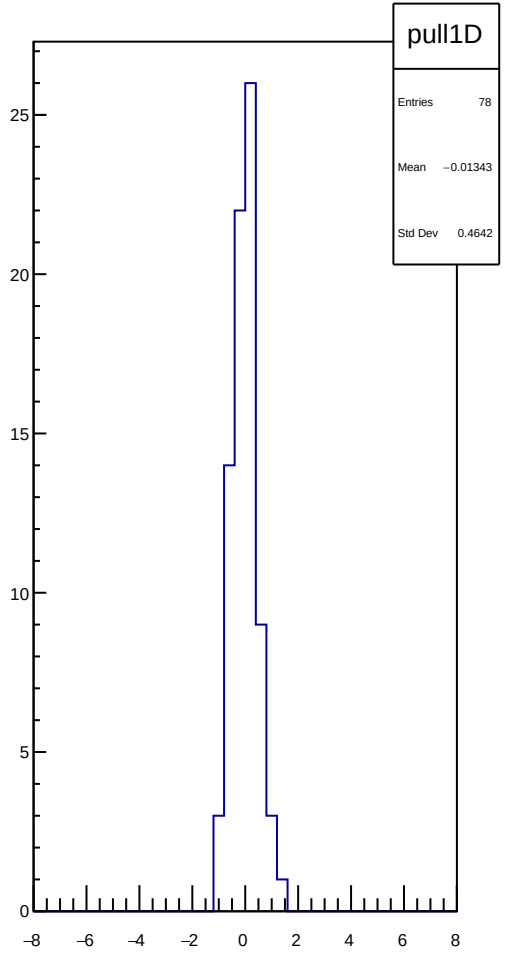

pull1D
Entries 78
Mean 0.01027
Std Dev 0.5712

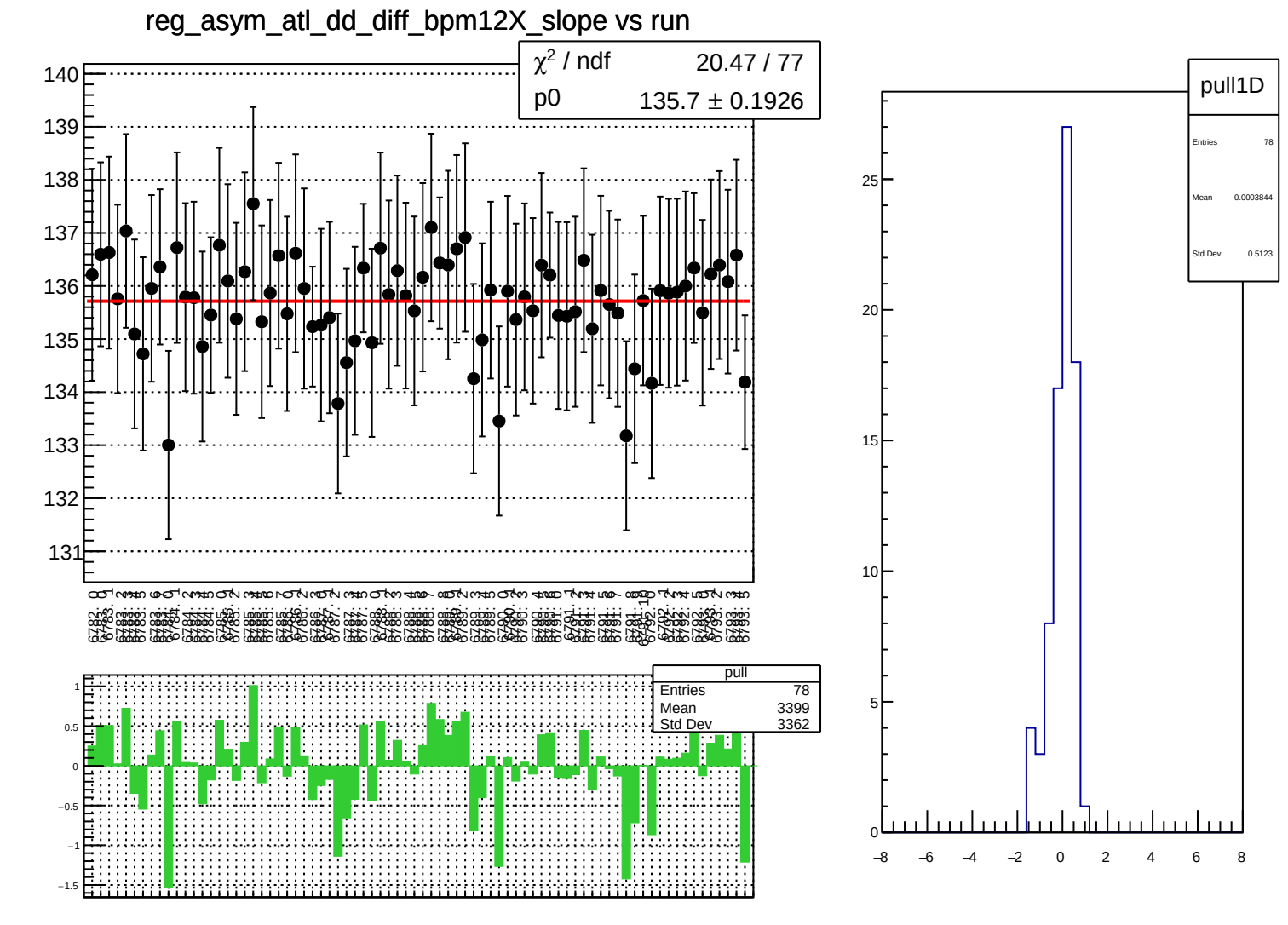

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.9 / 77
p0 −14.35 ± 2.077
pull
Entries 78
Mean 119.1
Std Dev 62.57
pull1D
Entries 78
Mean 0.01155
Std Dev 0.4513

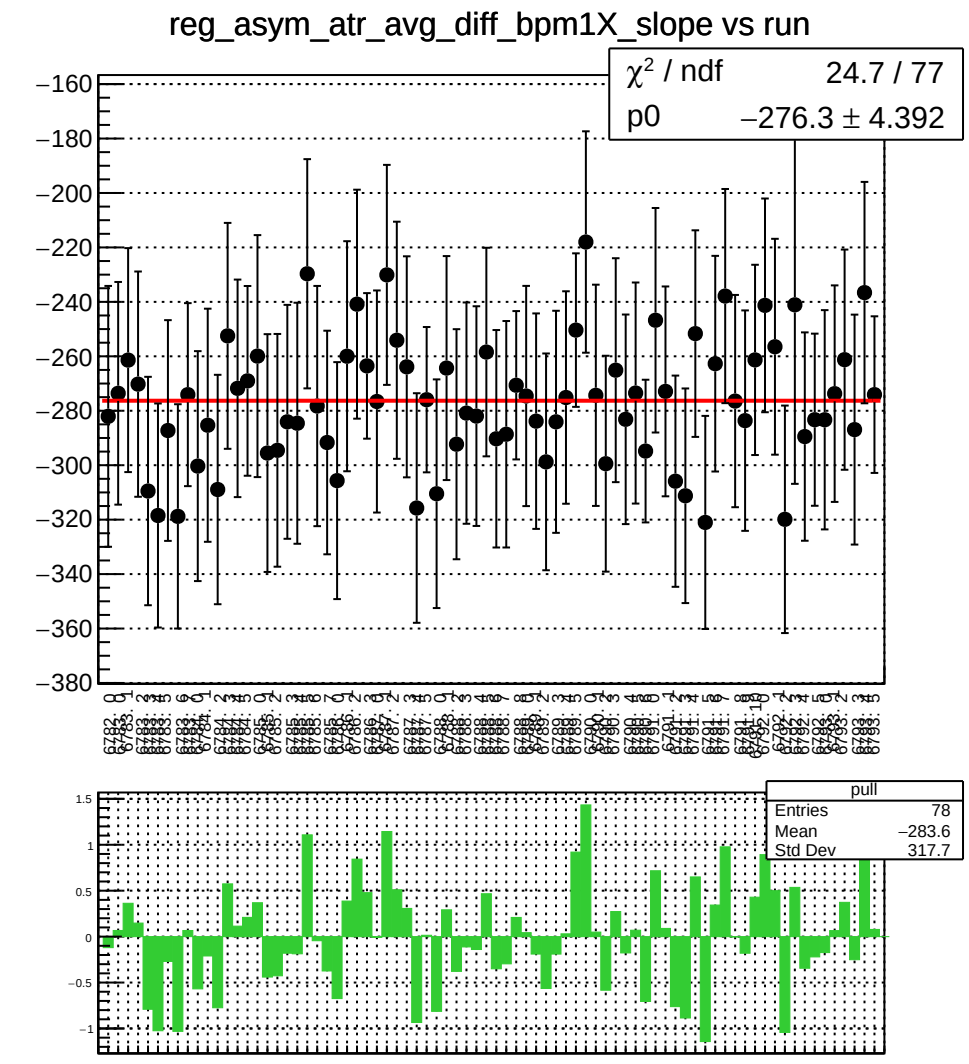

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.87 / 77
p0 −204.9 ± 4.089
−100
−150
−200
−250
−300
pull
Entries 78
Mean −170.6
Std Dev 197.9
1
0.5
0
−0.5
−1

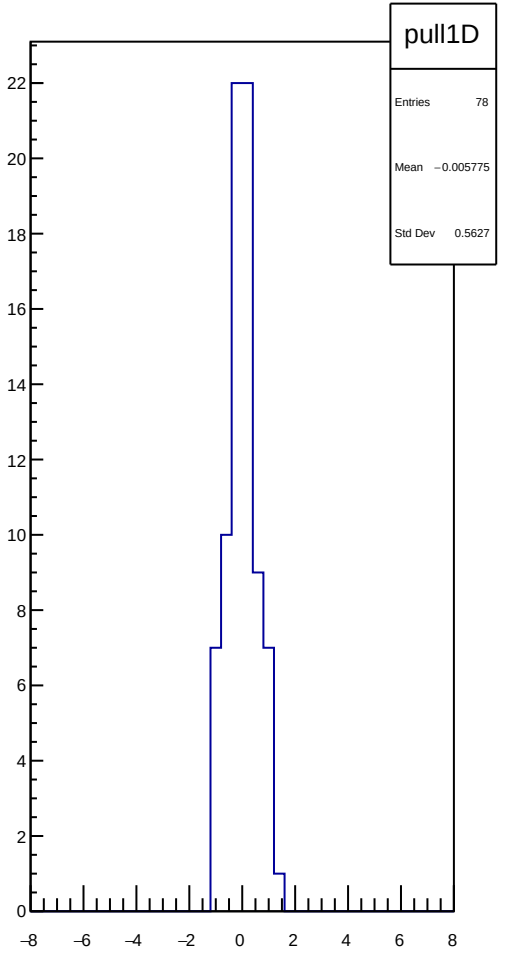

pull1D
Entries 78
Mean −0.01026
Std Dev 0.5759
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

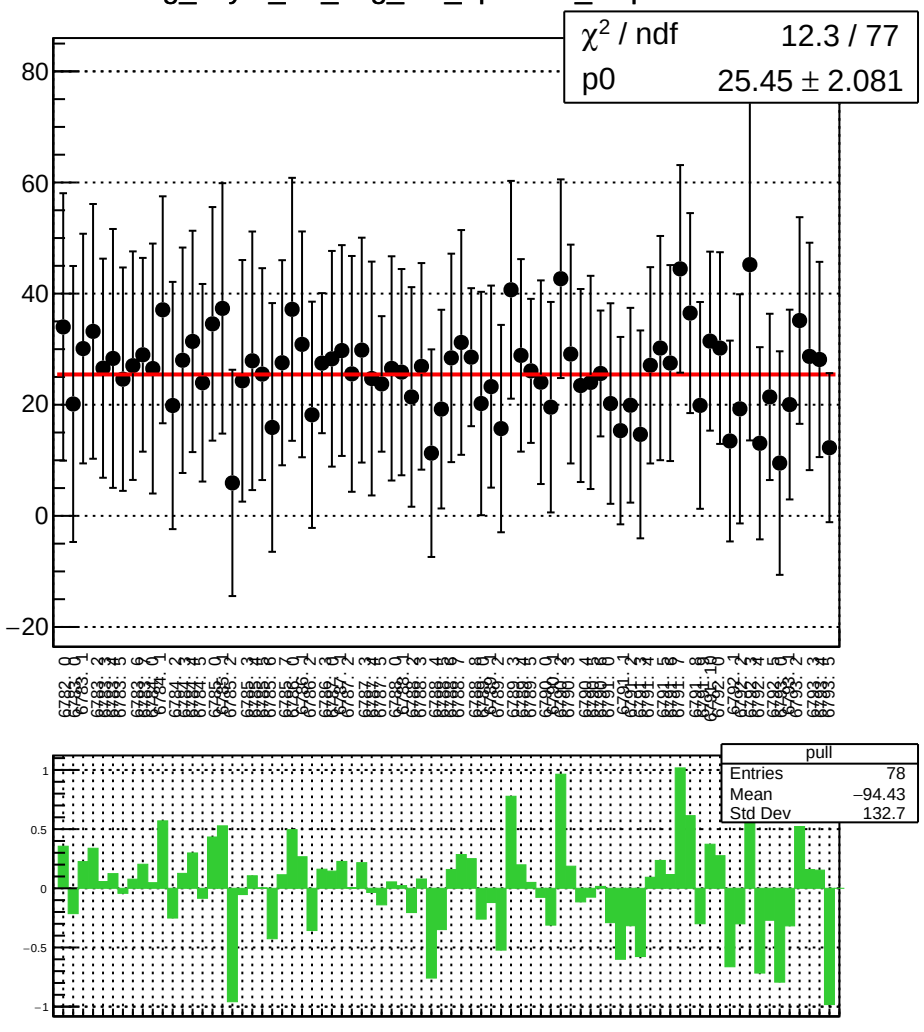

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 77
p0 −51.74 ± 2.863
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean 53.07
Std Dev 55.31
1
0.5
0
−0.5
−1

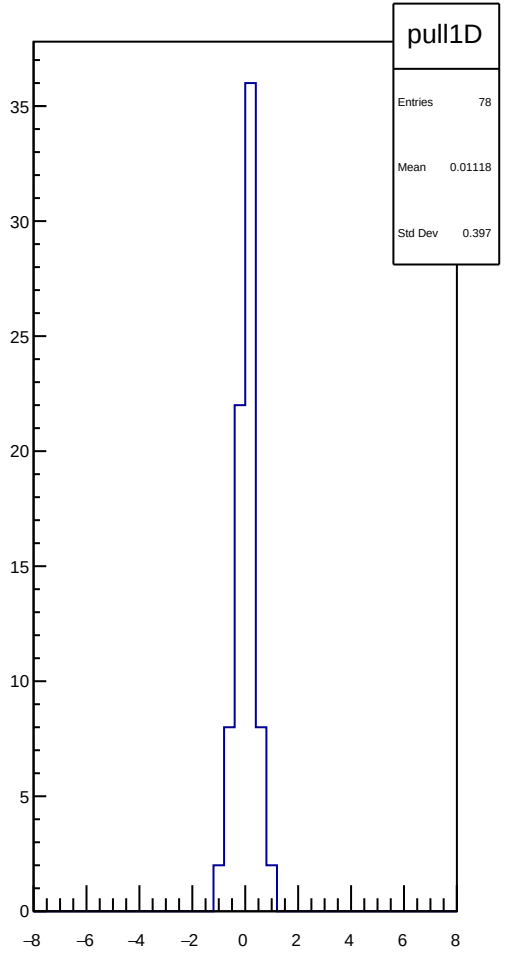

pull1D
Entries 78
Mean −0.01343
Std Dev 0.4642
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

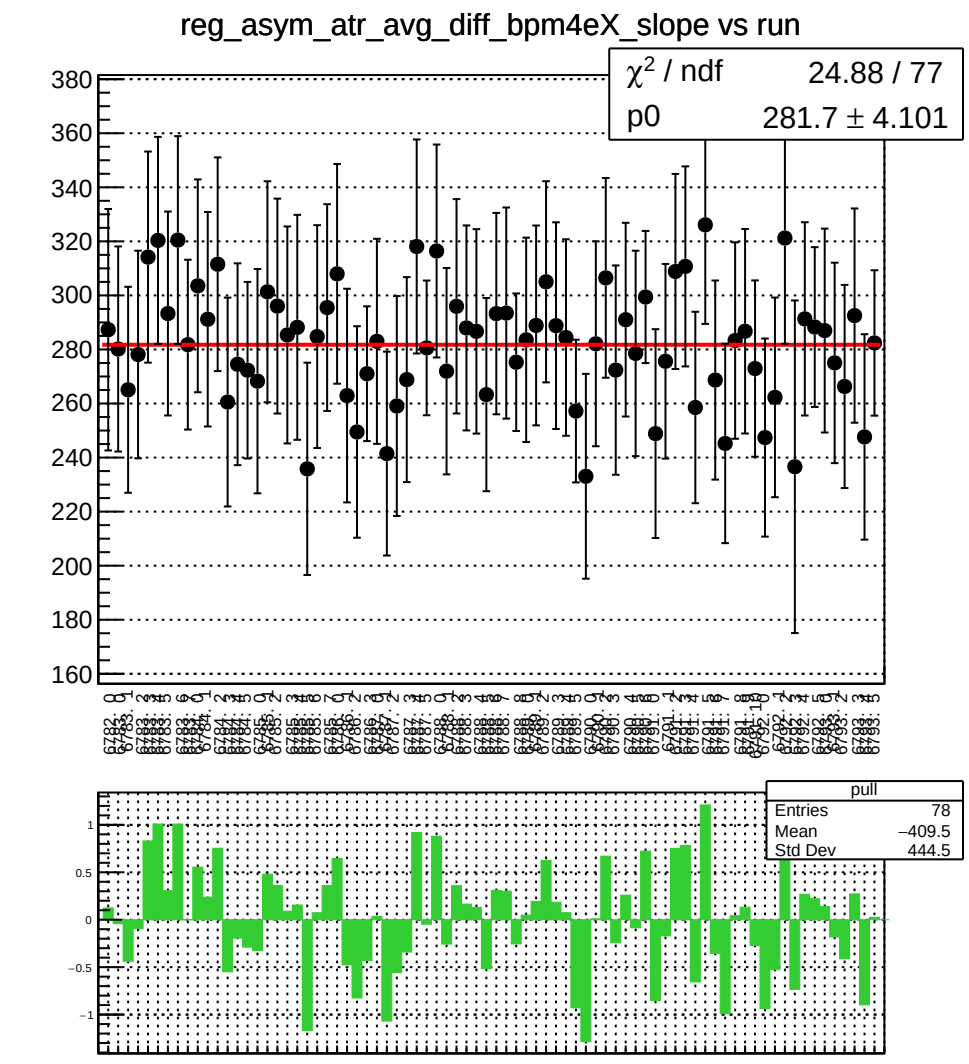

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 20.47 / 77
p0 135.7 ± 0.1926
pull
Entries 78
Mean 3399
Std Dev 3362
pull1D
Entries 78
Mean −0.0003844
Std Dev 0.5123

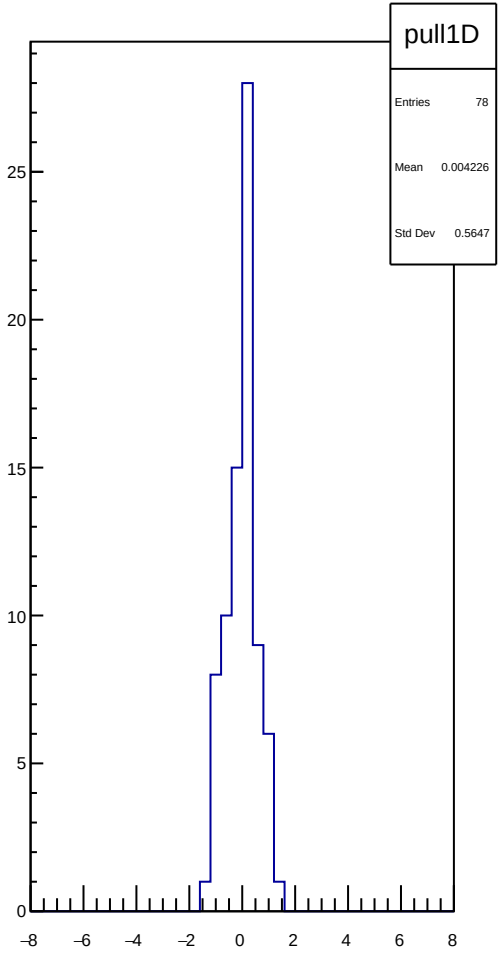

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 24.7 / 77
p0 −276.3 ± 4.392
pull
Entries 78
Mean −283.6
Std Dev 317.7

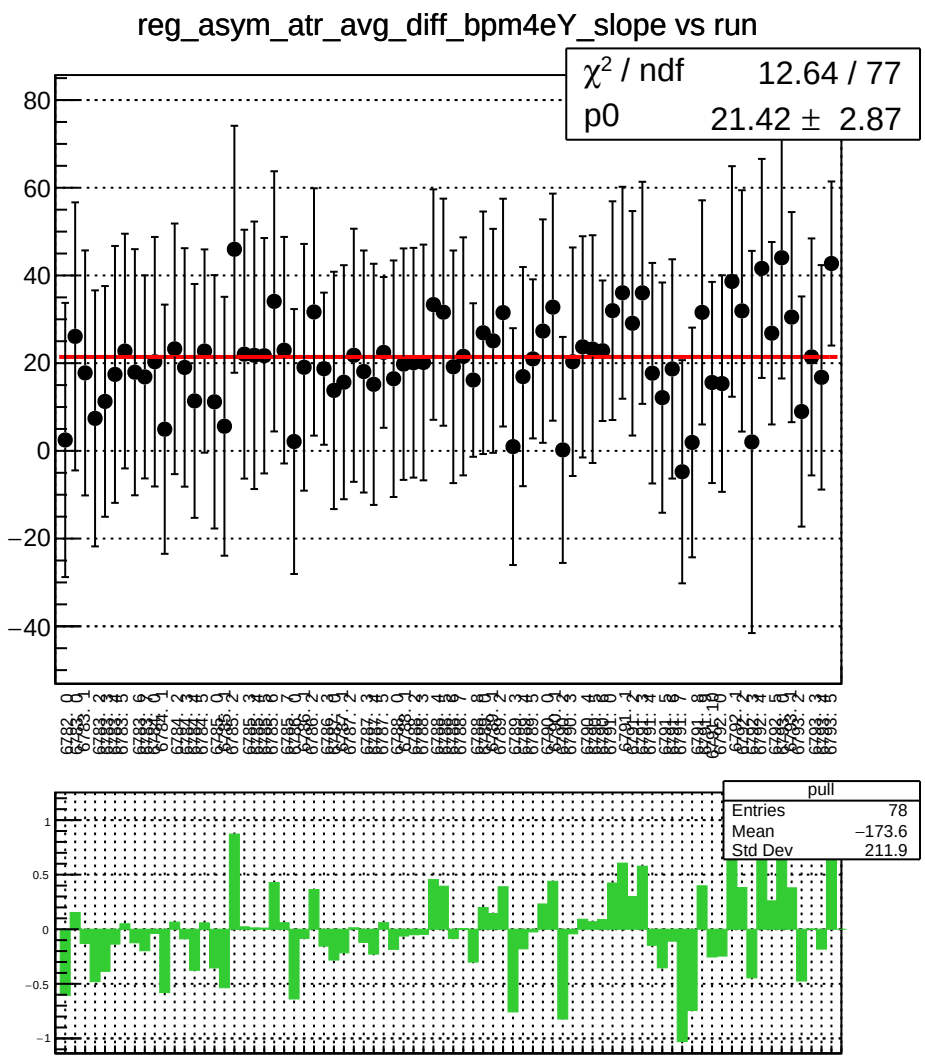

pull1D
Entries 78
Mean −0.005775
Std Dev 0.5627

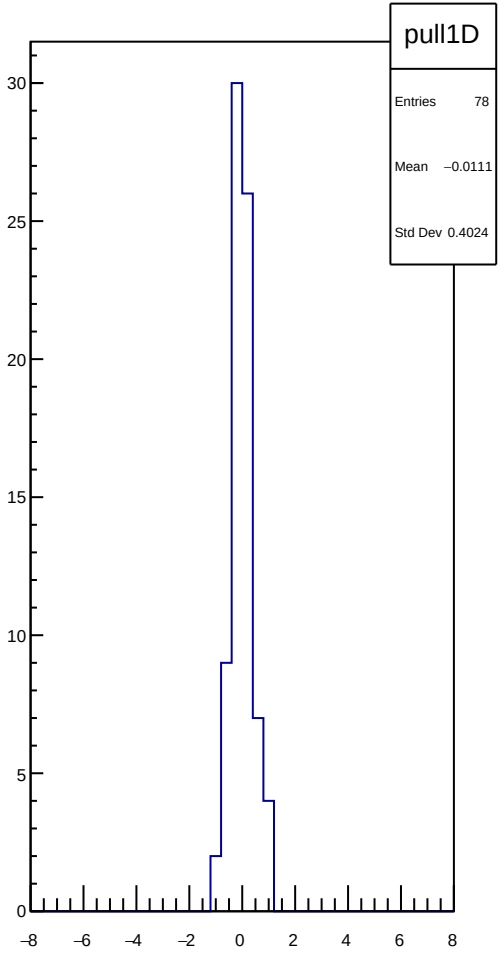

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 77
p0 25.45 ± 2.081
pull
Entries 78
Mean −94.43
Std Dev 132.7

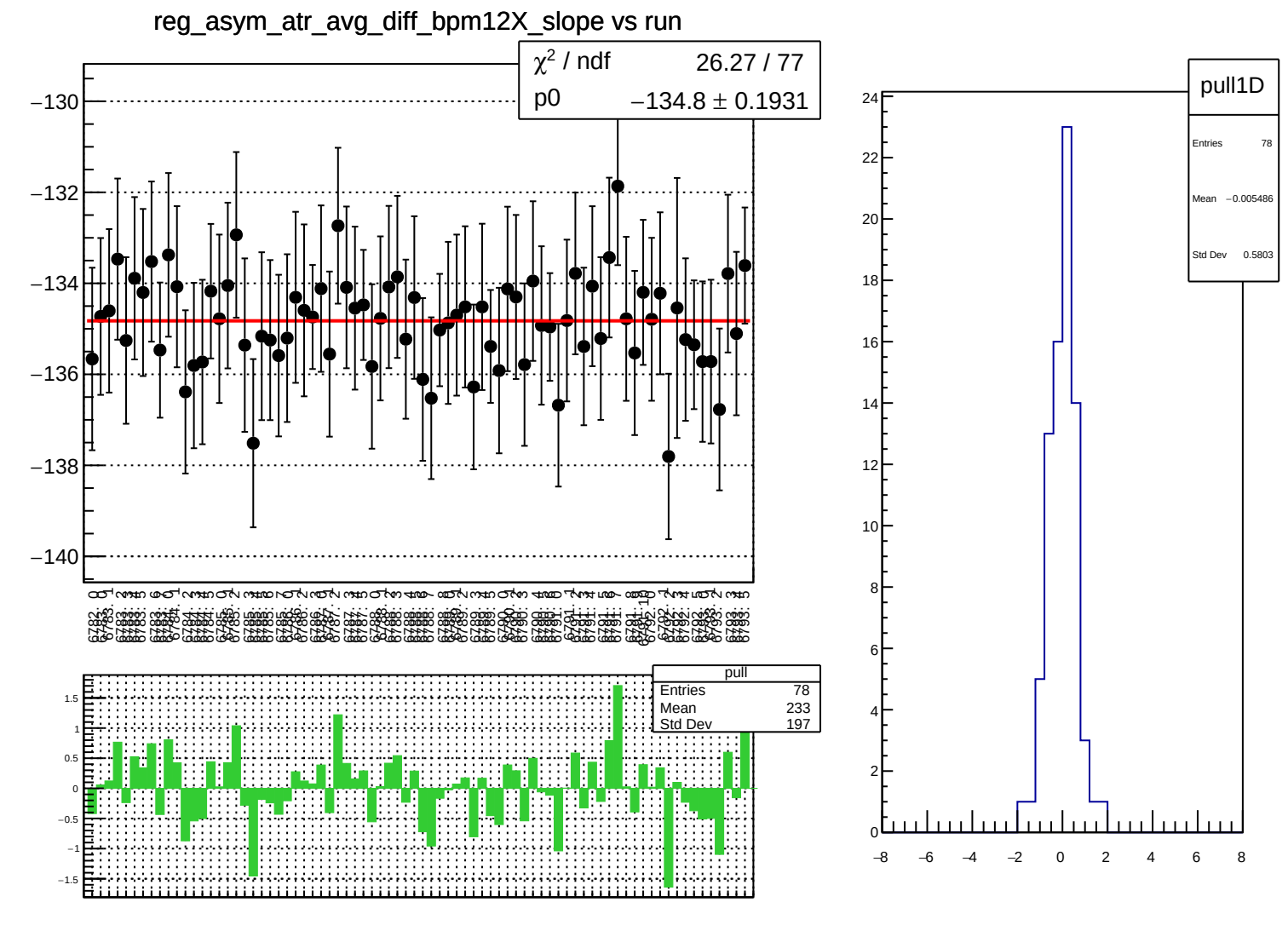

pull1D
Entries 78
Mean 0.01118
Std Dev 0.397

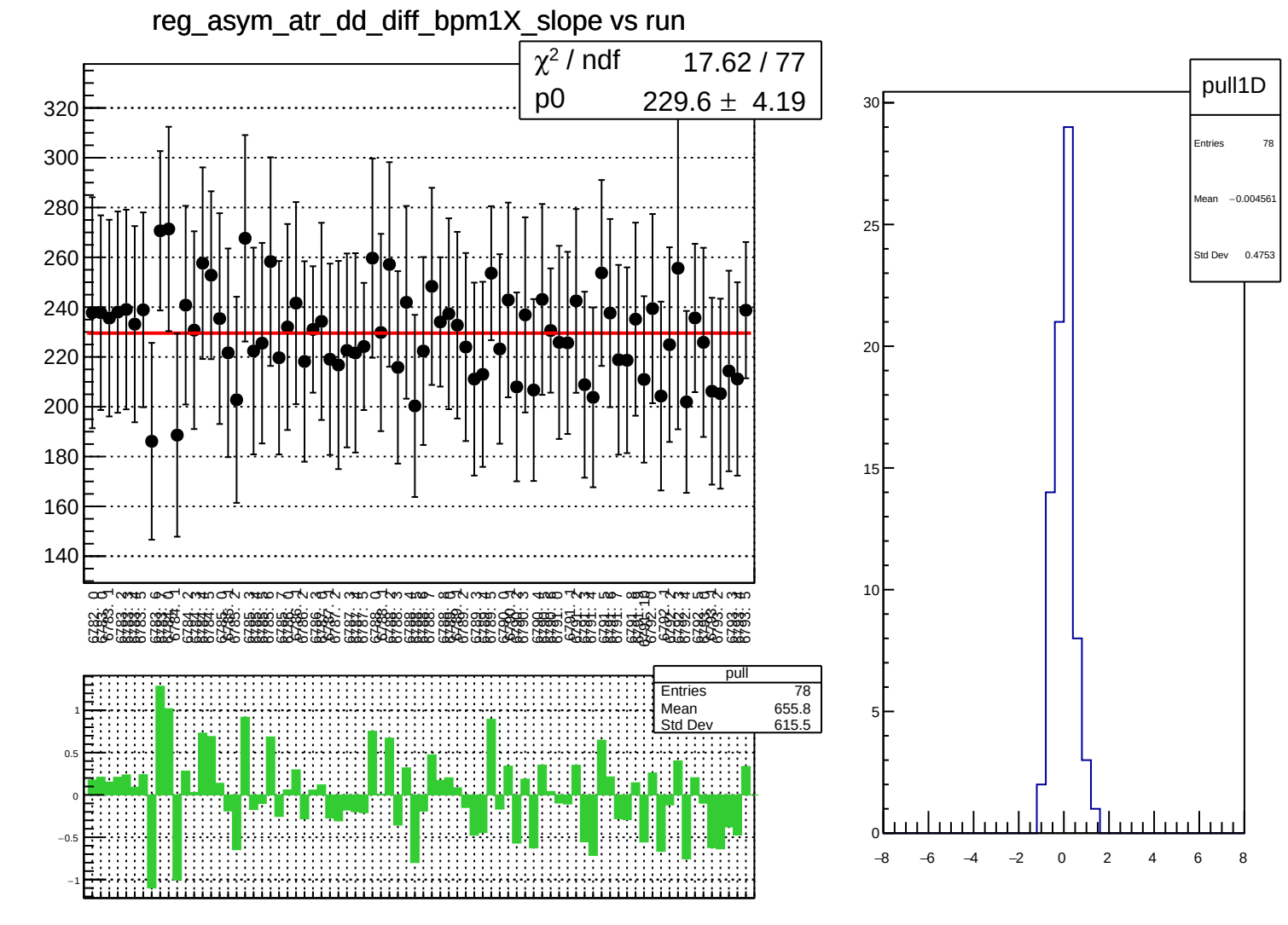

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.88 / 77
p0 281.7 ± 4.101
pull
Entries 78
Mean −409.5
Std Dev 444.5

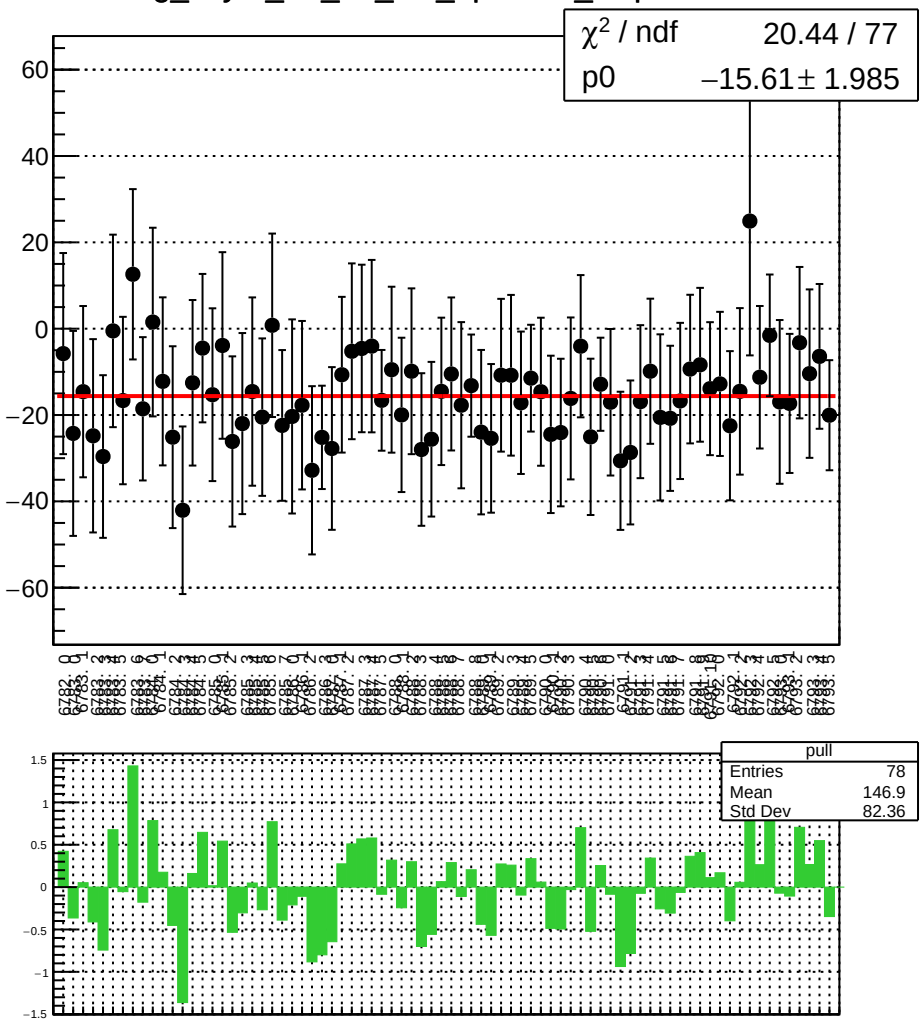

pull1D
Entries 78
Mean 0.004226
Std Dev 0.5647

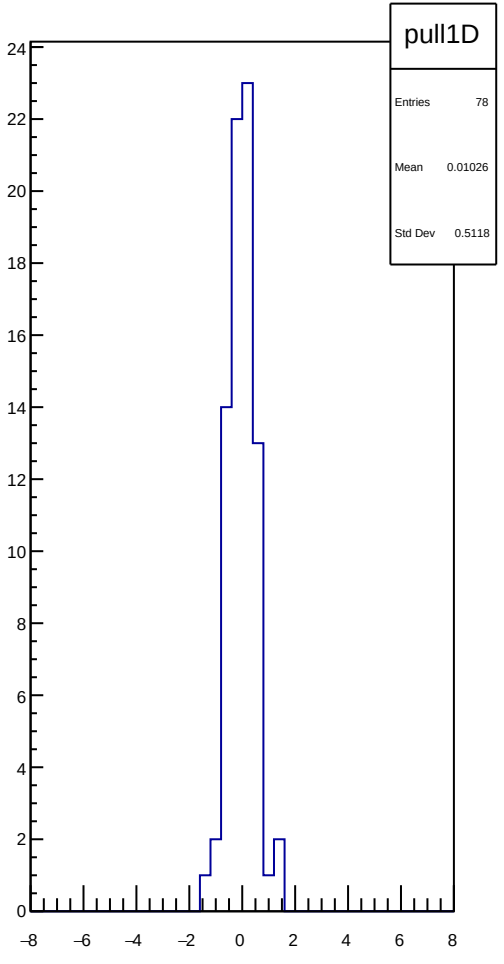

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.64 / 77
p0 21.42 ± 2.87
pull
Entries 78
Mean −173.6
Std Dev 211.9

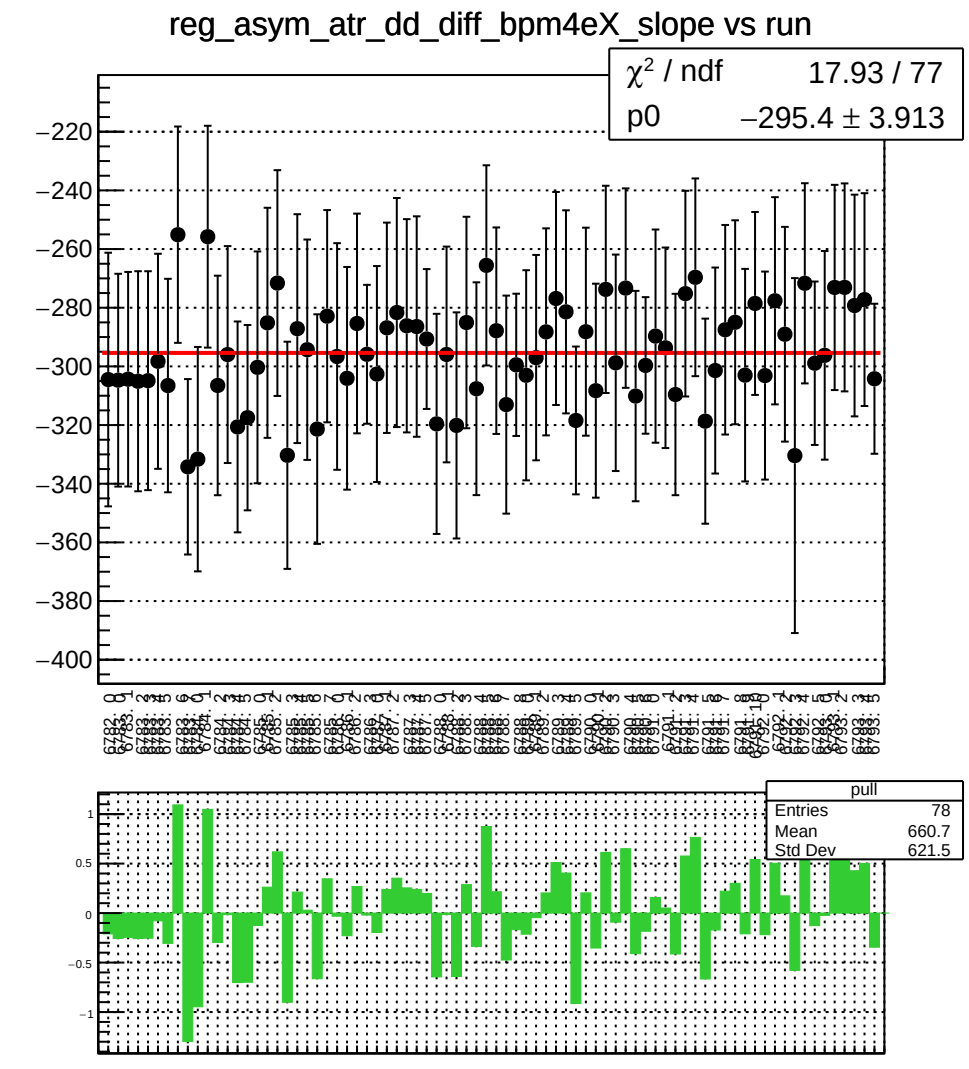

pull1D
Entries 78
Mean −0.0111
Std Dev 0.4024

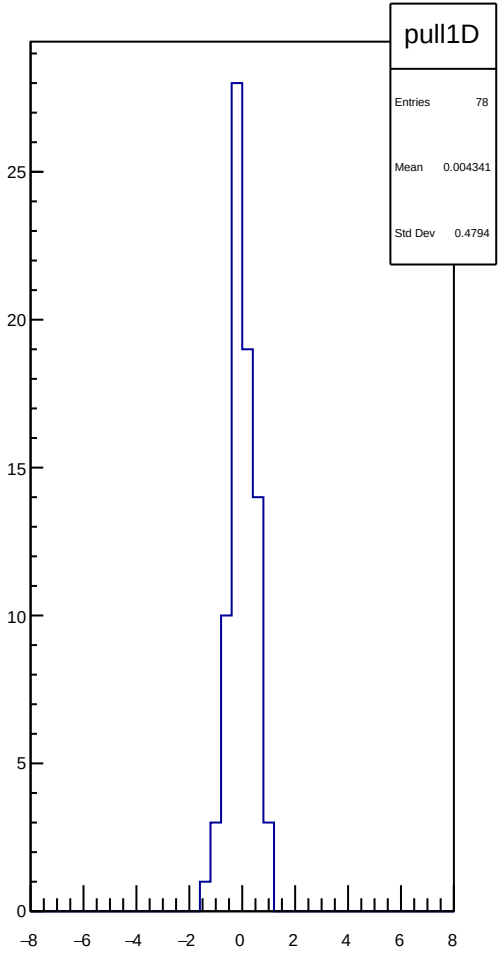

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.27 / 77
p0 −134.8 ± 0.1931
pull
Entries 78
Mean 233
Std Dev 197
pull1D
Entries 78
Mean −0.005486
Std Dev 0.5803

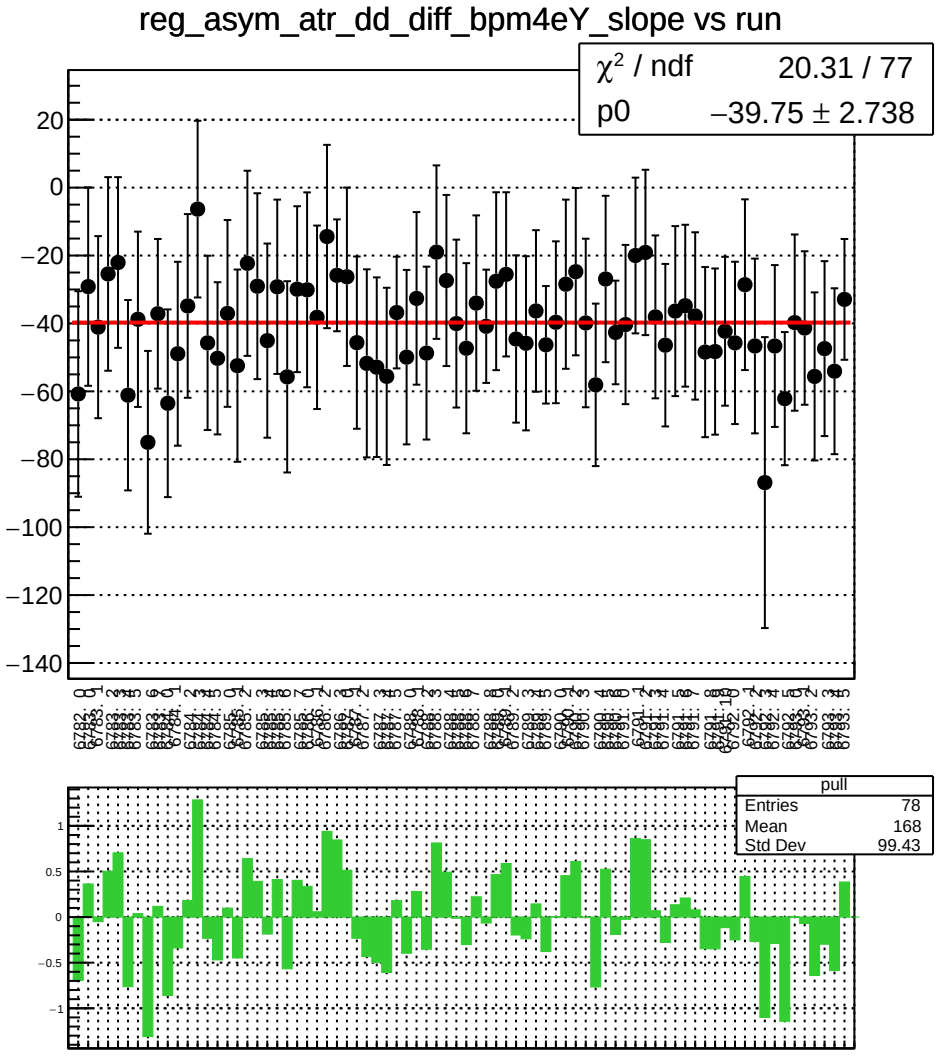

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 17.62 / 77
p0 229.6 ± 4.19
320
300
280
260
240
220
200
180
160
140
pull
Entries 78
Mean 655.8
Std Dev 615.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.004561
Std Dev 0.4753
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

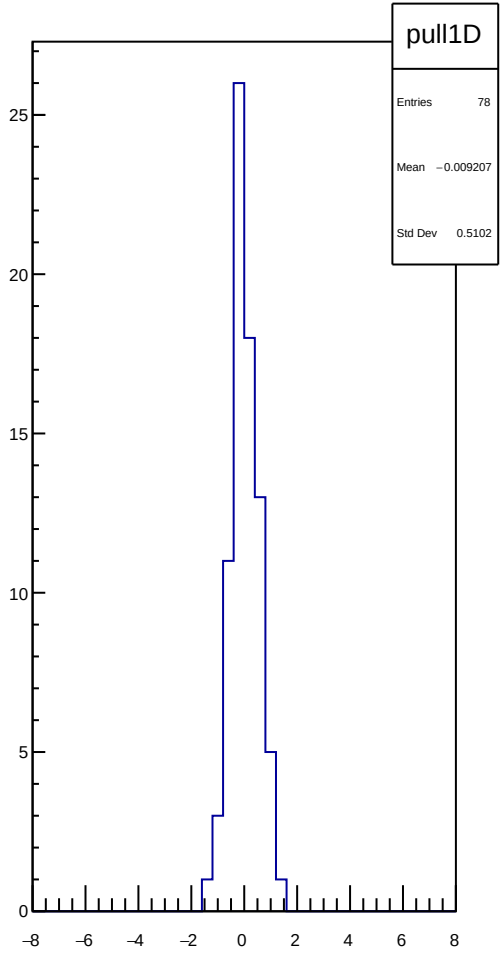

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.44 / 77
p0 −15.61 ± 1.985
pull
Entries 78
Mean 146.9
Std Dev 82.36

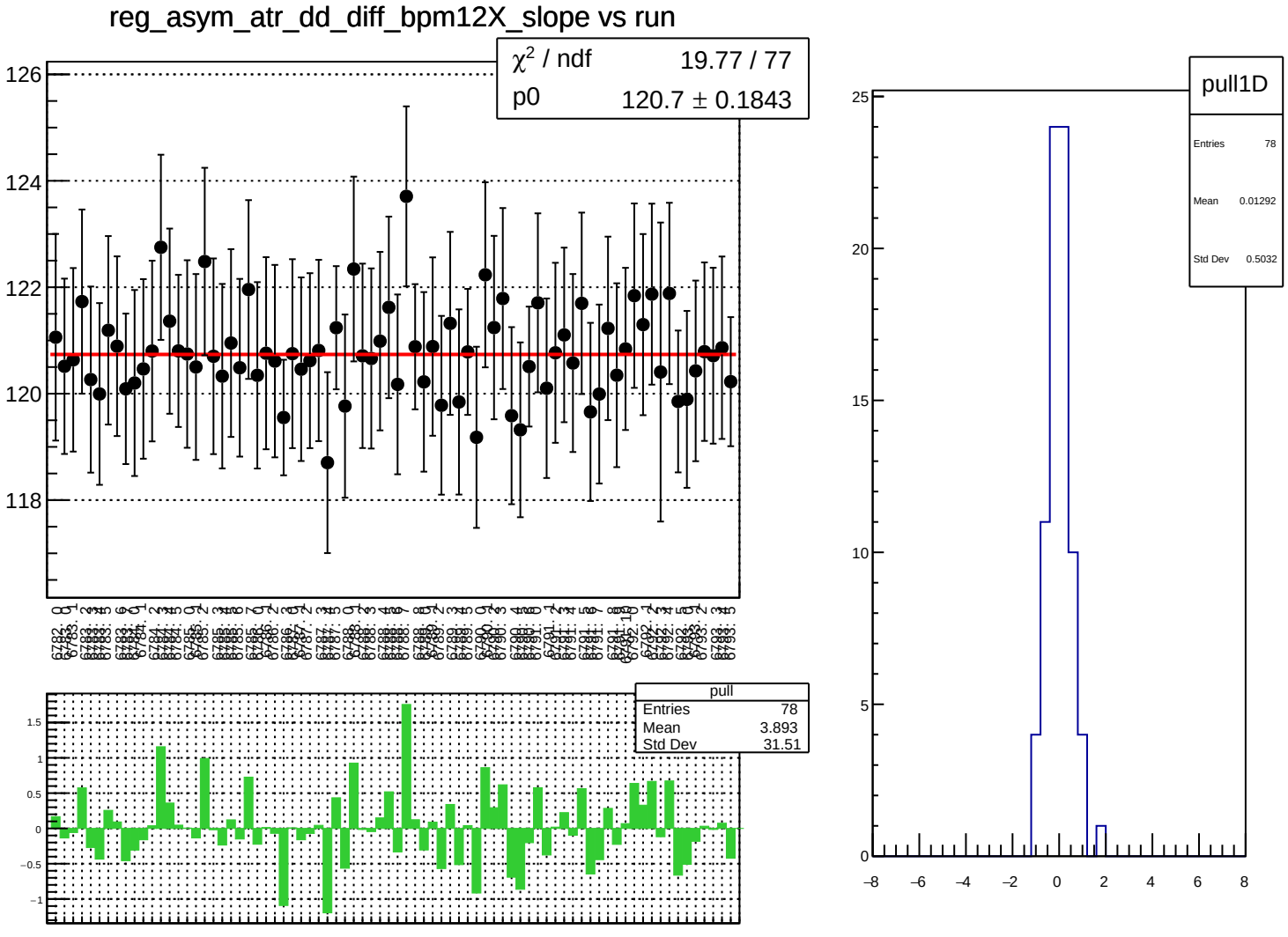

pull1D
Entries 78
Mean 0.01026
Std Dev 0.5118

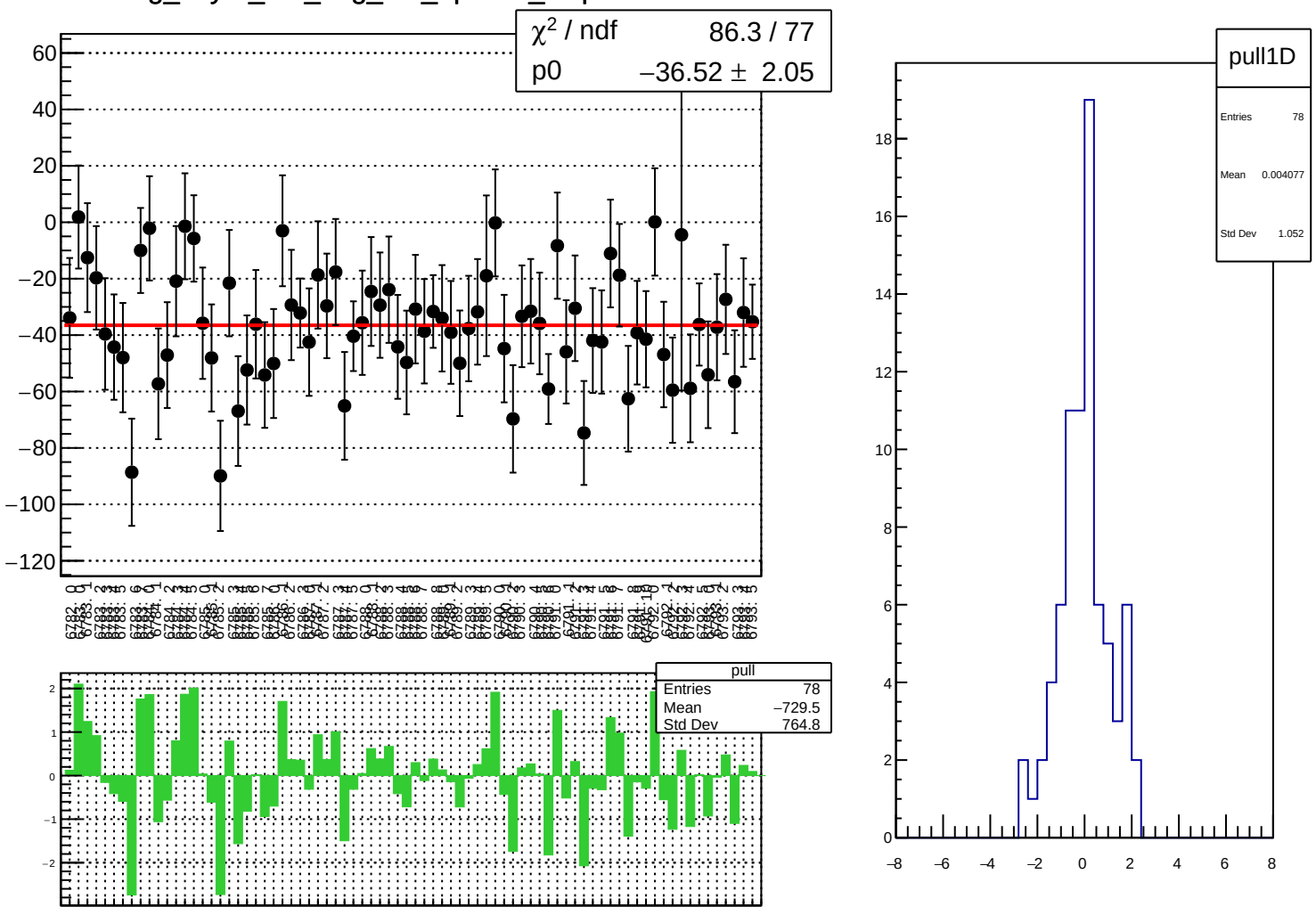

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.93 / 77
p0 −295.4 ± 3.913
pull
Entries 78
Mean 660.7
Std Dev 621.5

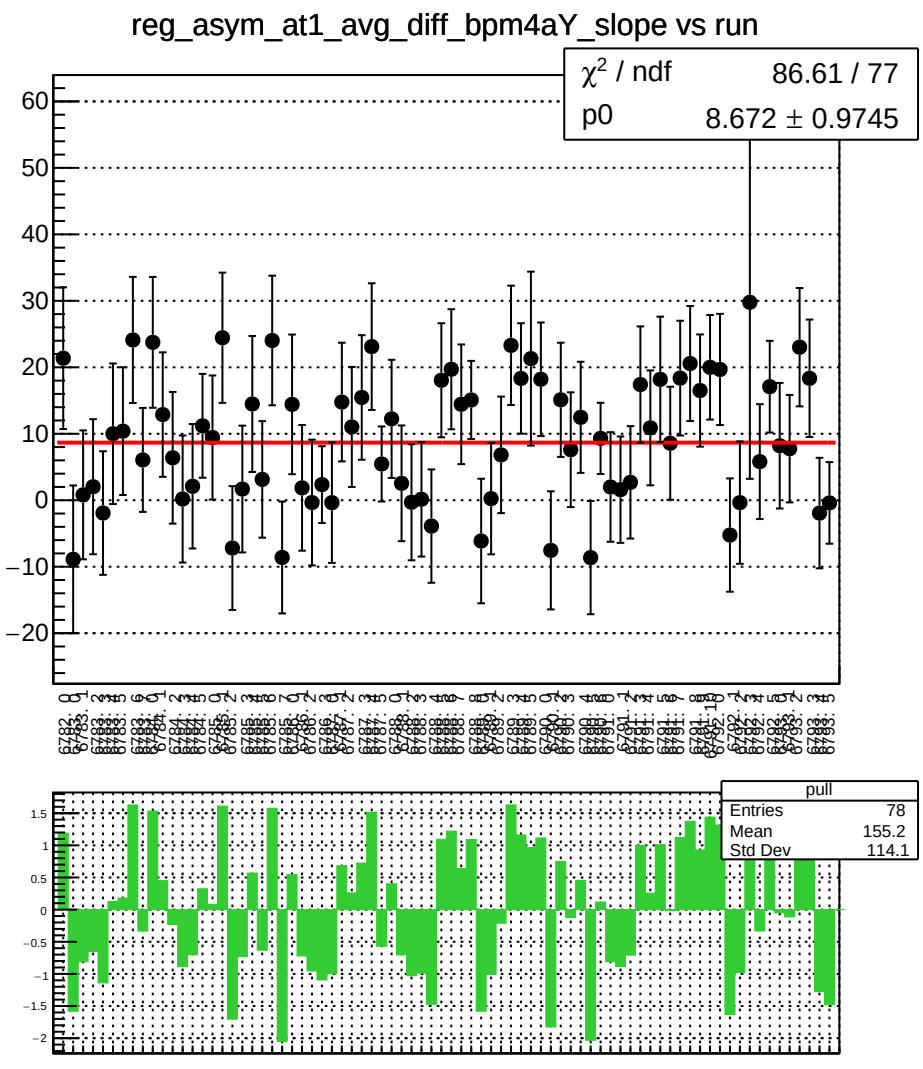

pull1D
Entries 78
Mean 0.004341
Std Dev 0.4794

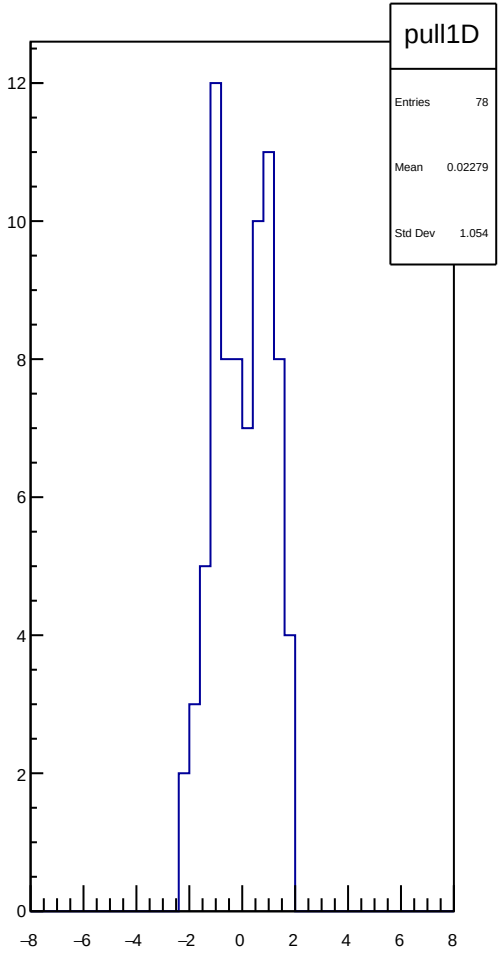

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.31 / 77
p0 −39.75 ± 2.738
pull
Entries 78
Mean 168
Std Dev 99.43

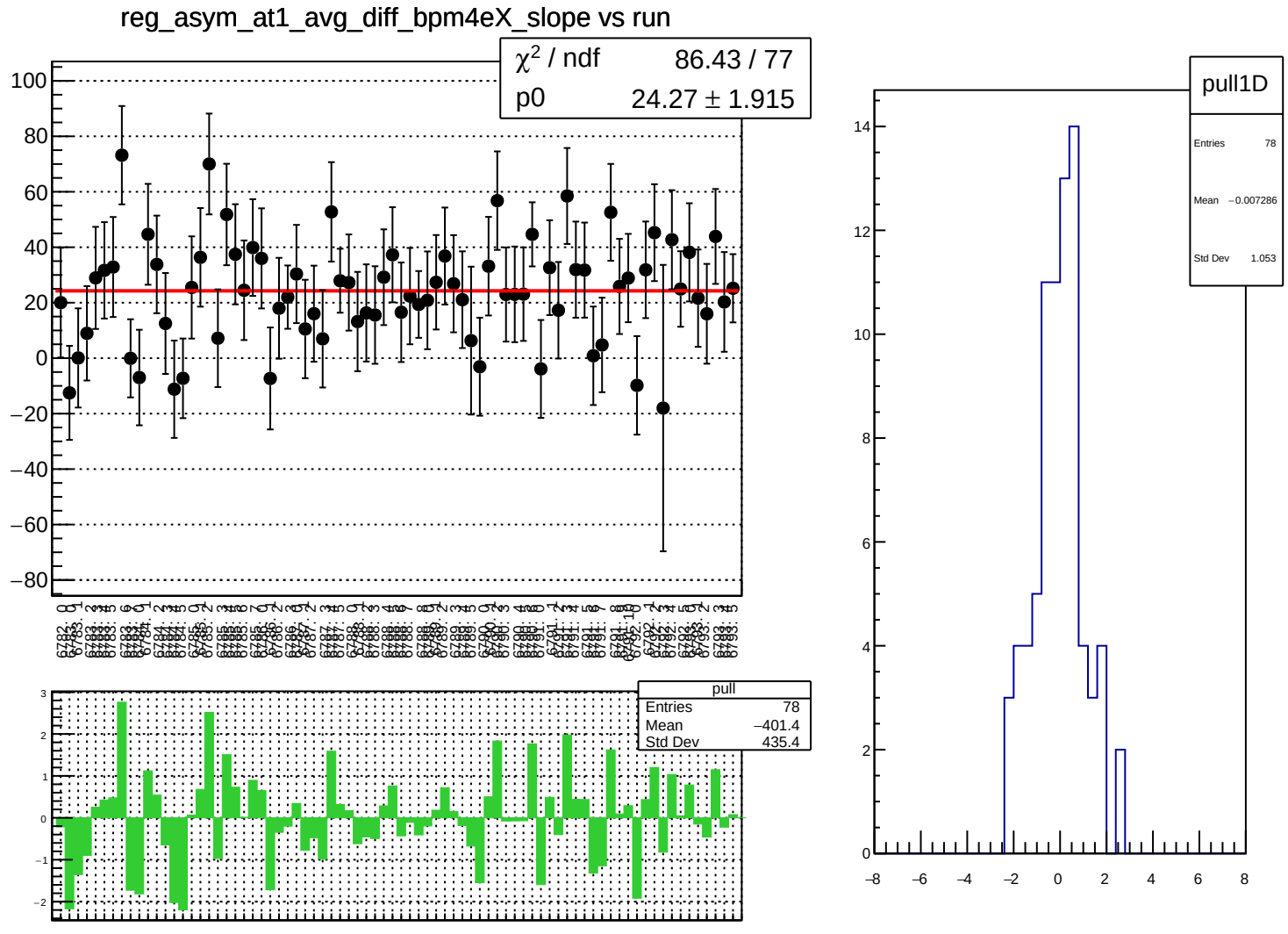

pull1D
Entries 78
Mean −0.009207
Std Dev 0.5102

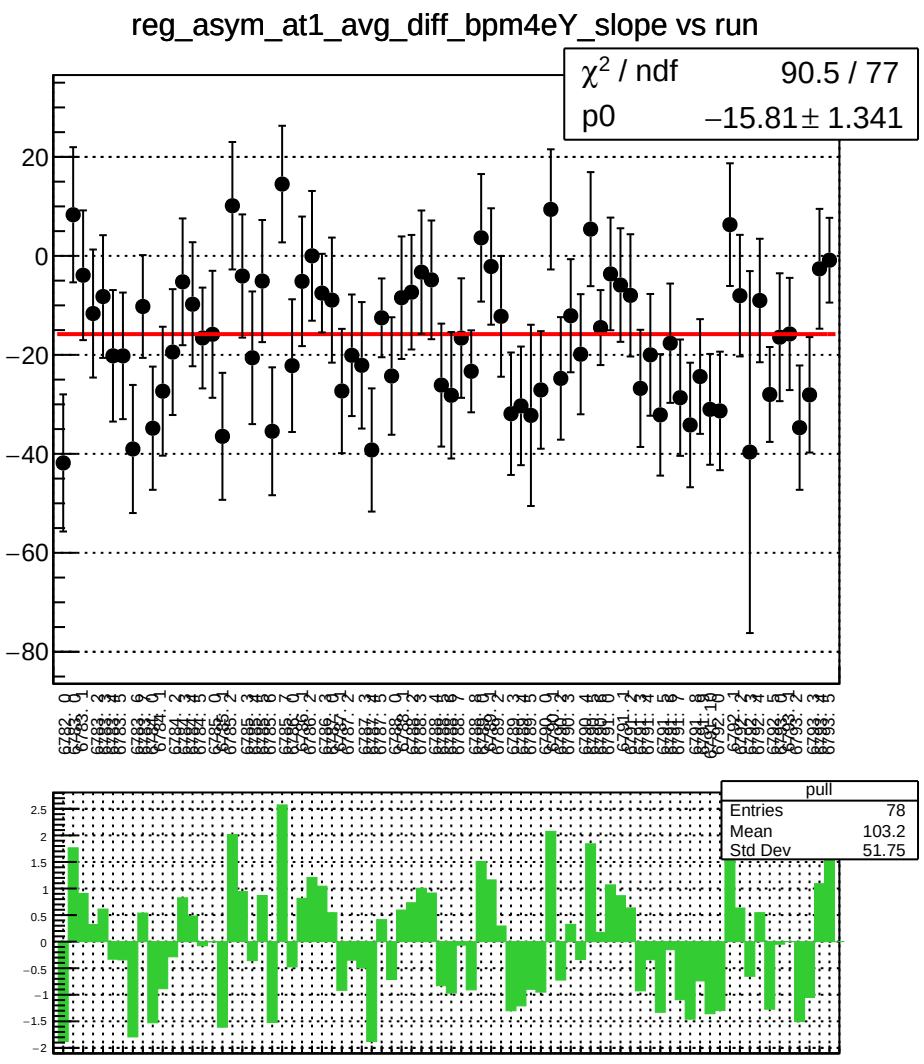

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 19.77 / 77
p0 120.7 ± 0.1843
126
124
122
120
118
pull
Entries 78
Mean 3.893
Std Dev 31.51
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean 0.01292
Std Dev 0.5032
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

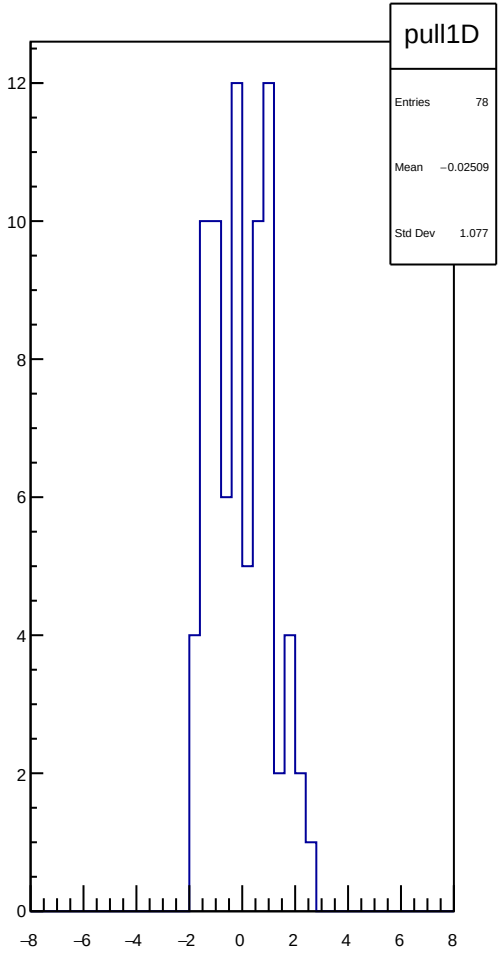

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 86.3 / 77
p0 −36.52 ± 2.05
pull
Entries 78
Mean −729.5
Std Dev 764.8
pull1D
Entries 78
Mean 0.004077
Std Dev 1.052

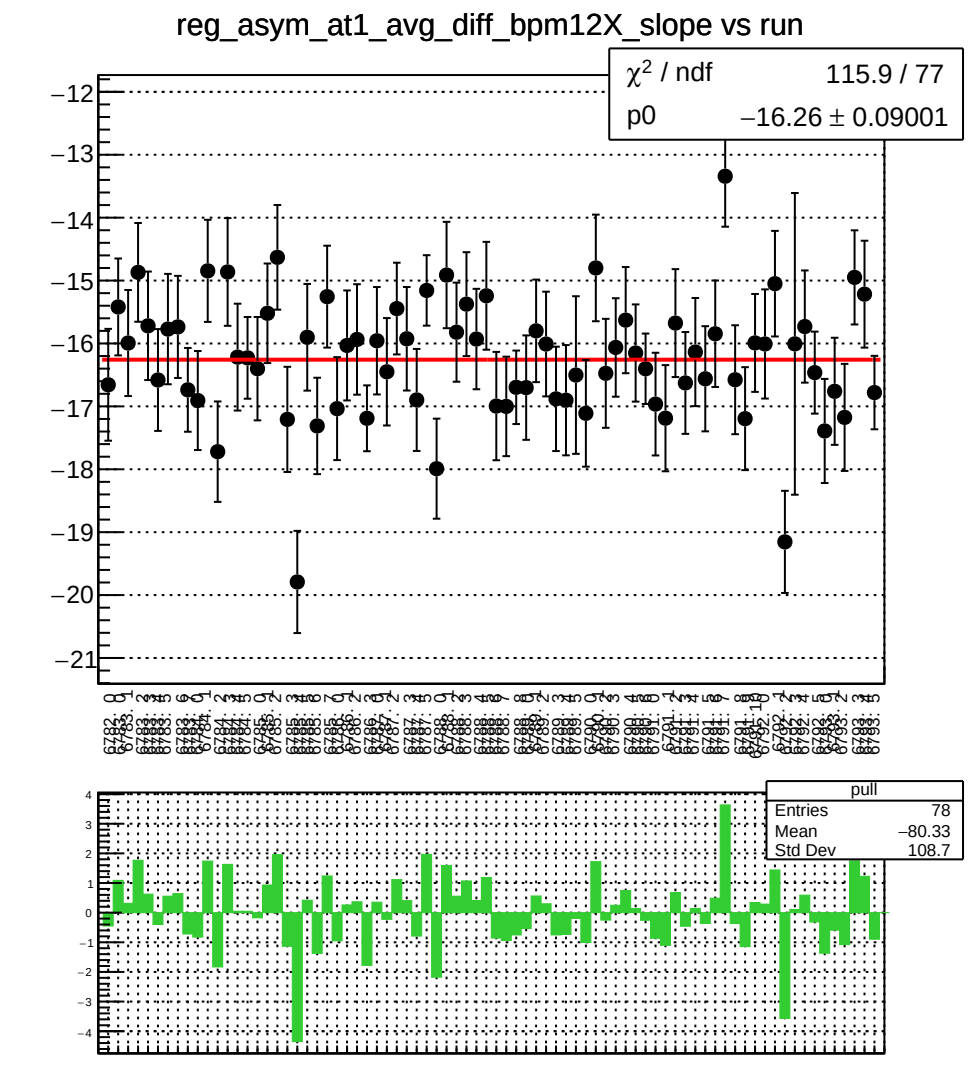

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.61 / 77
p0 8.672 ± 0.9745
pull
Entries 78
Mean 155.2
Std Dev 114.1

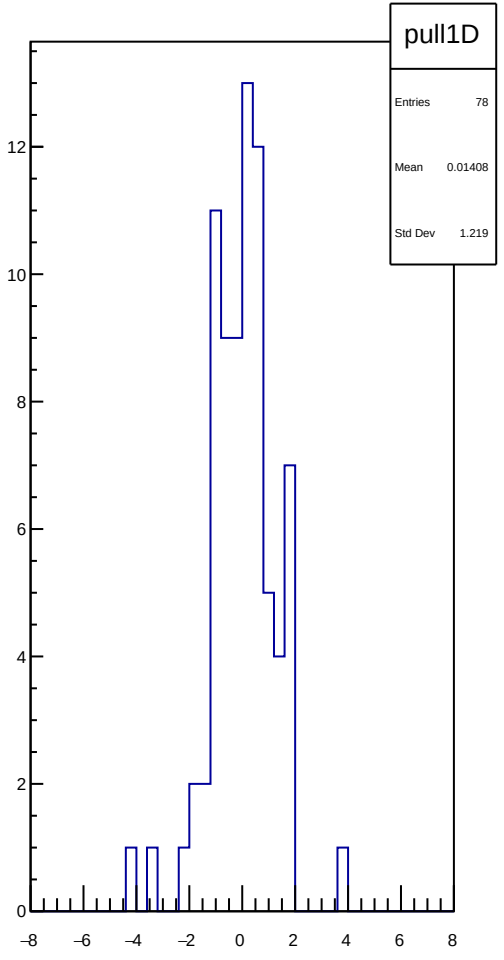

pull1D
Entries 78
Mean 0.02279
Std Dev 1.054

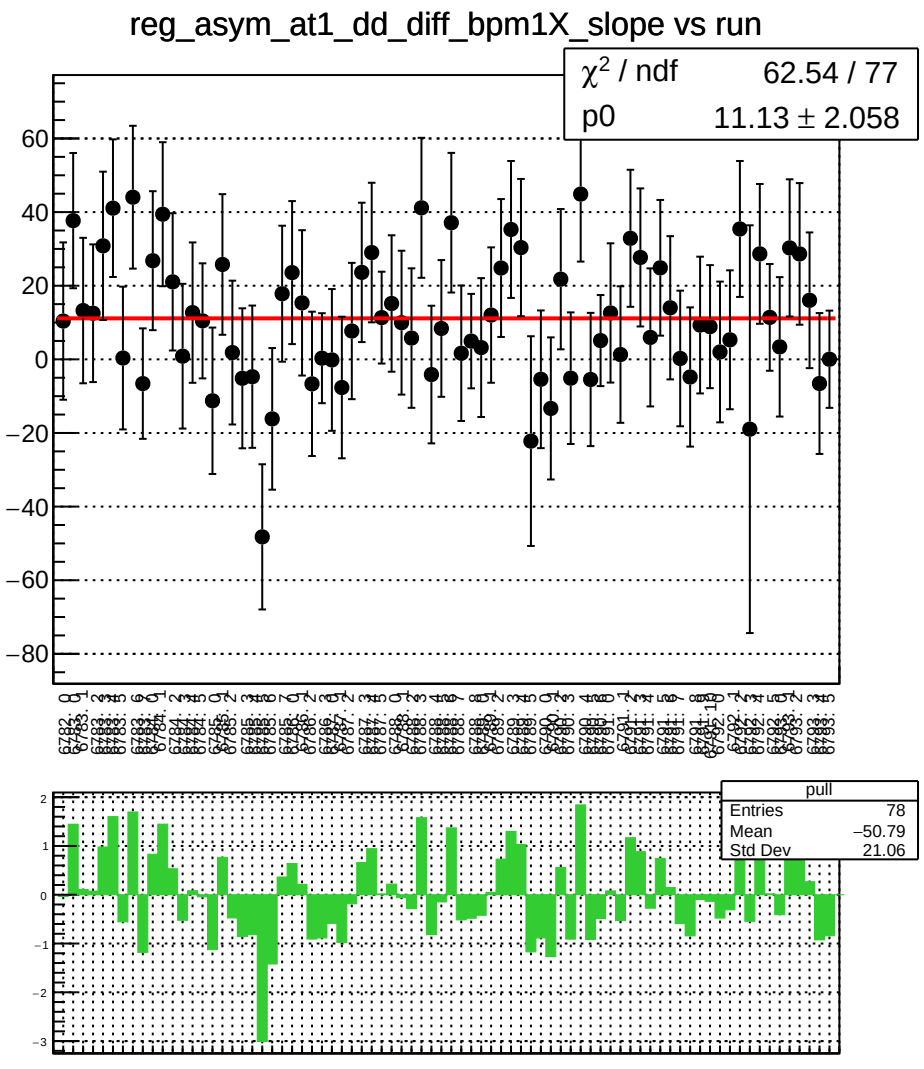

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.43 / 77
p0 24.27 ± 1.915
pull
Entries 78
Mean −401.4
Std Dev 435.4
pull1D
Entries 78
Mean −0.007286
Std Dev 1.053

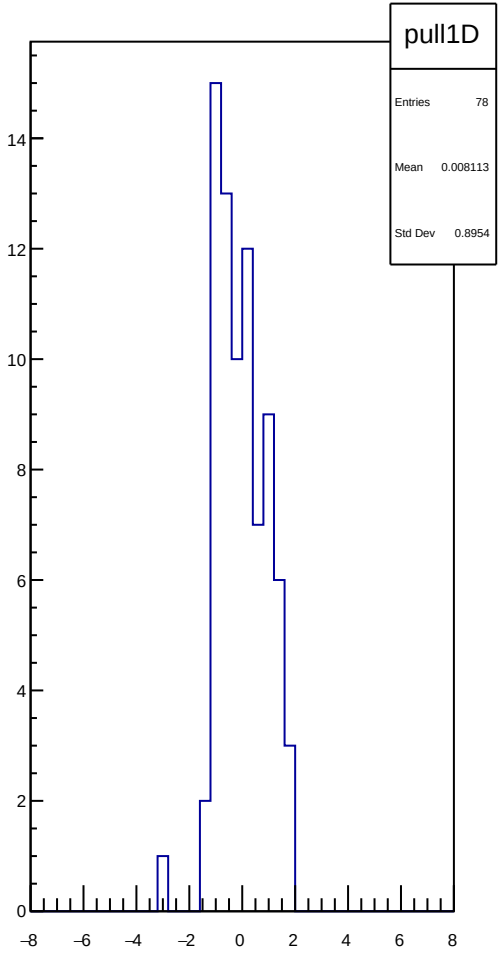

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.5 / 77
p0 −15.81 ± 1.341
pull
Entries 78
Mean 103.2
Std Dev 51.75

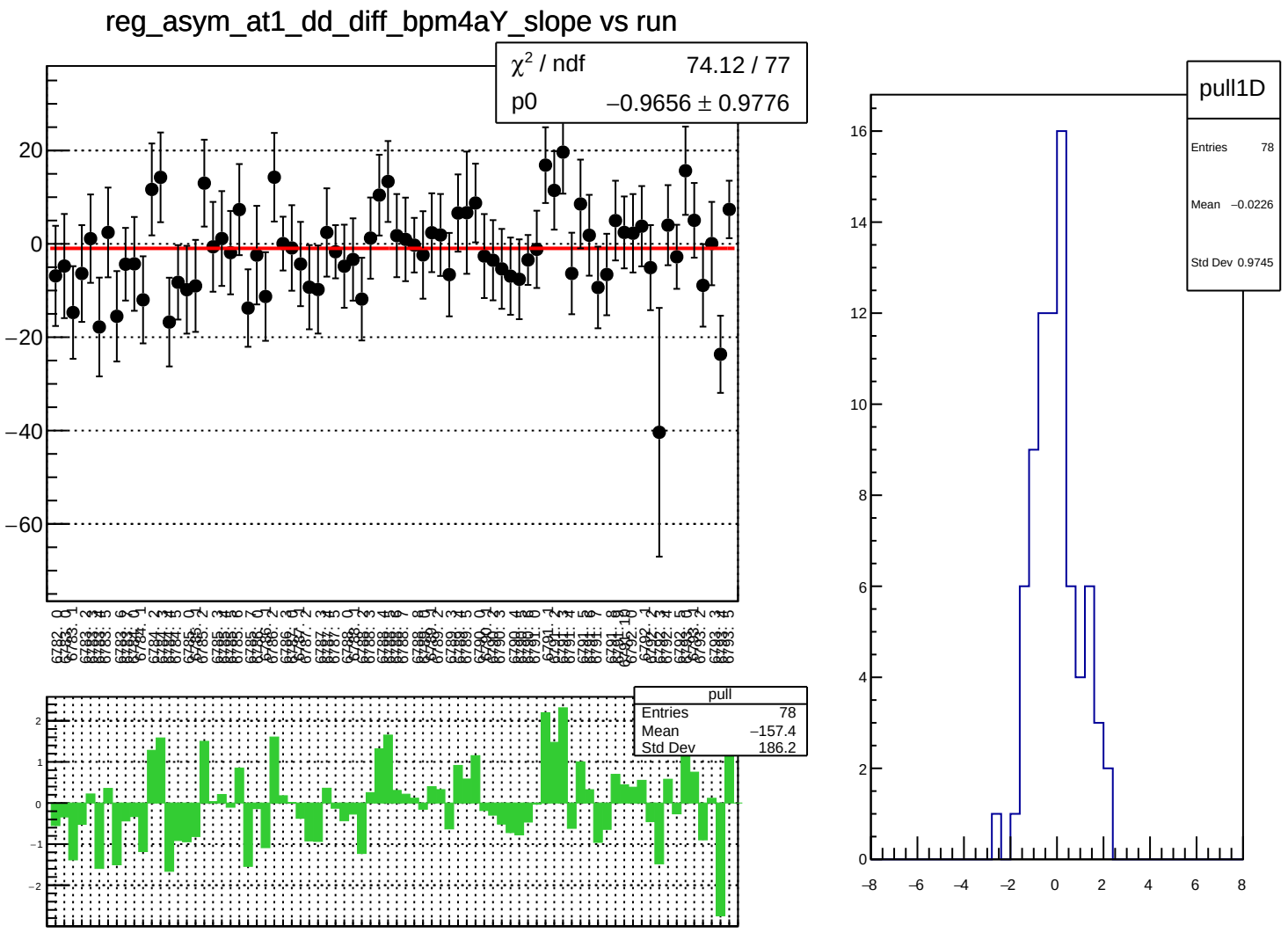

pull1D
Entries 78
Mean −0.02509
Std Dev 1.077

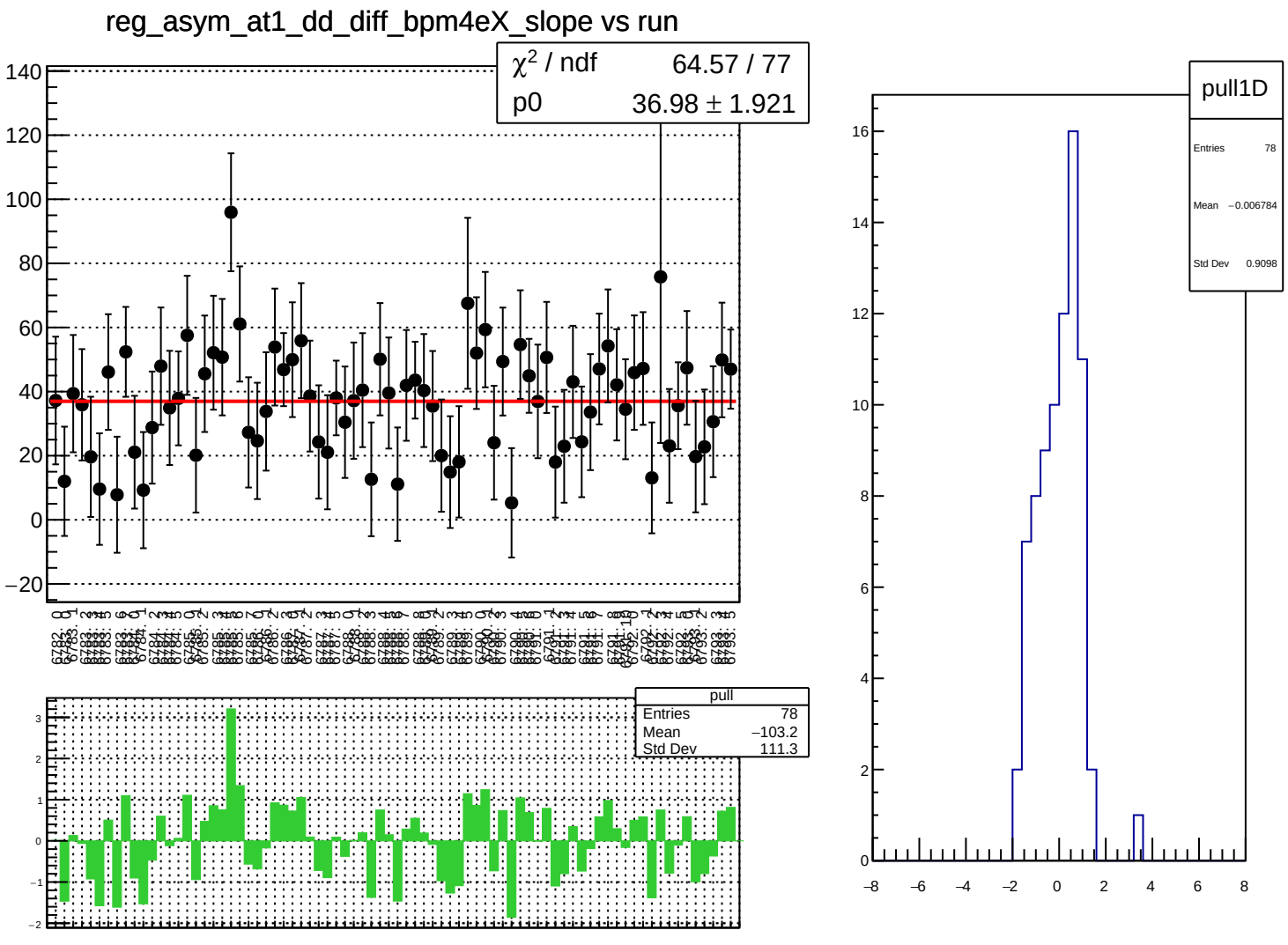

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 115.9 / 77
p0 −16.26 ± 0.09001
pull
Entries 78
Mean −80.33
Std Dev 108.7

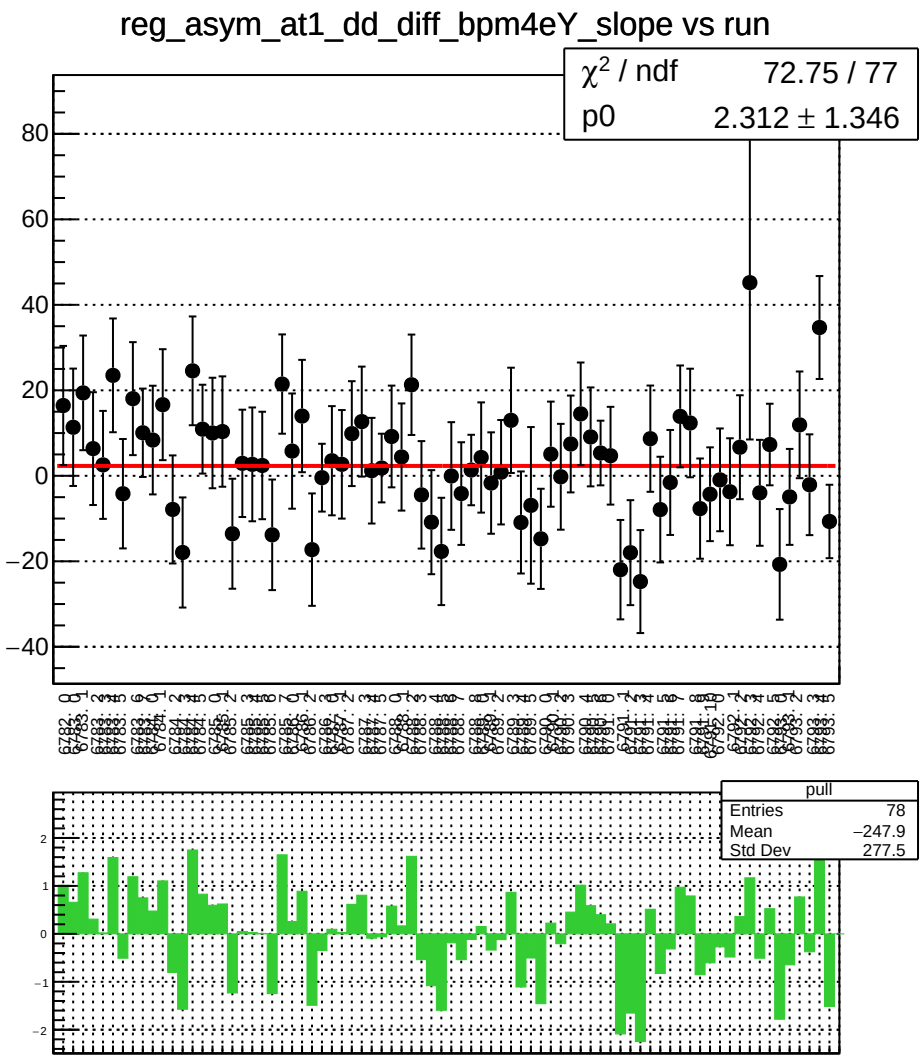

pull1D
Entries 78
Mean 0.01408
Std Dev 1.219

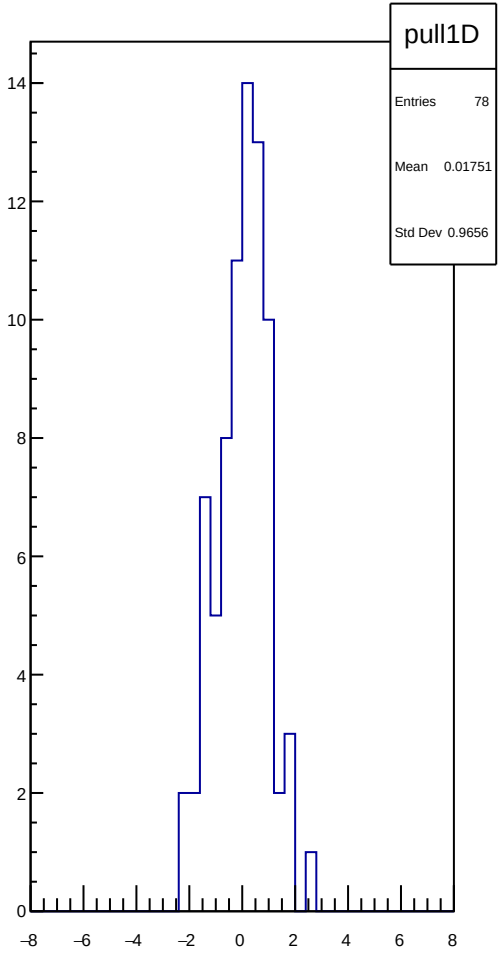

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 62.54 / 77
p0 11.13 ± 2.058
pull
Entries 78
Mean −50.79
Std Dev 21.06

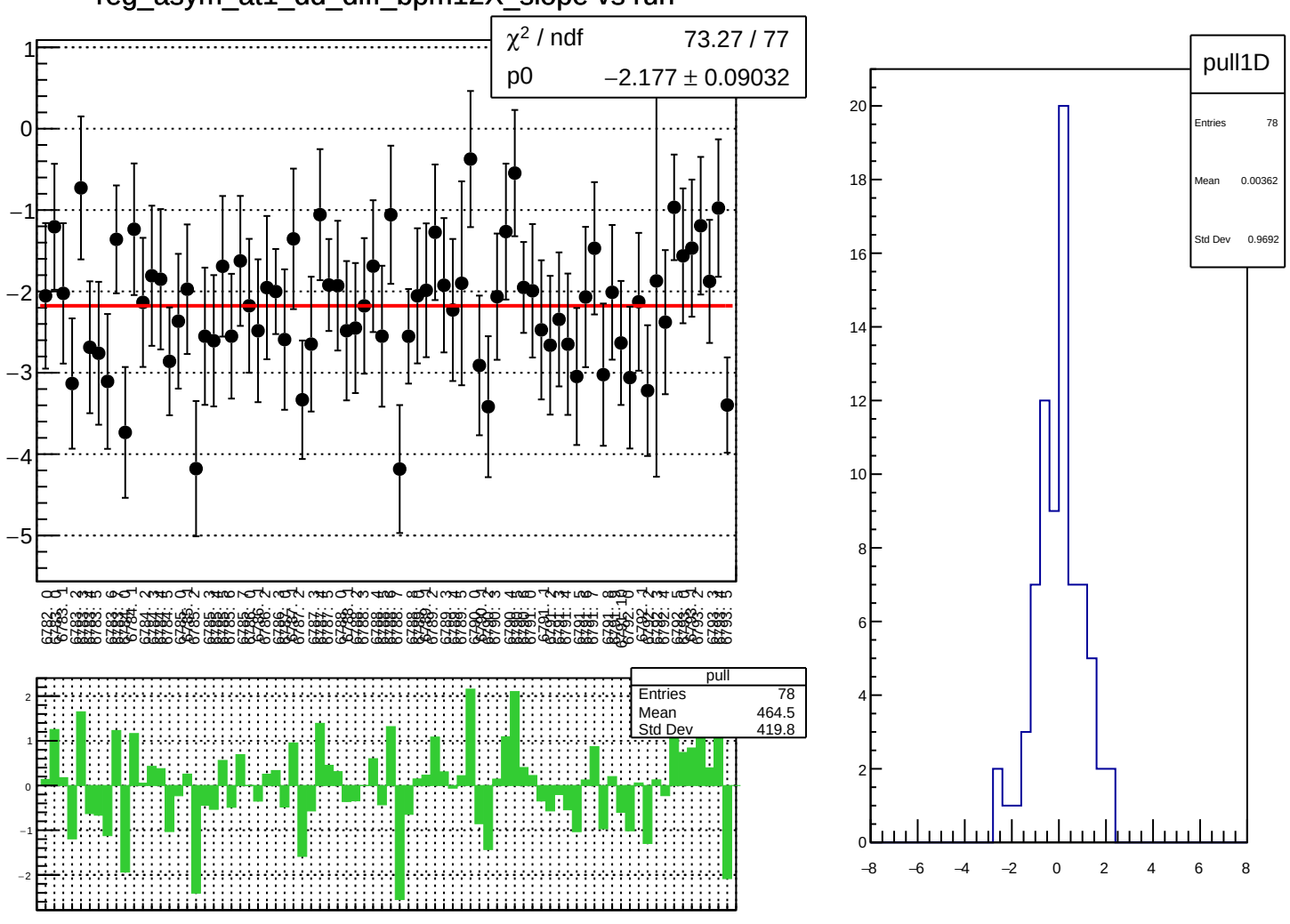

pull1D
Entries 78
Mean 0.008113
Std Dev 0.8954

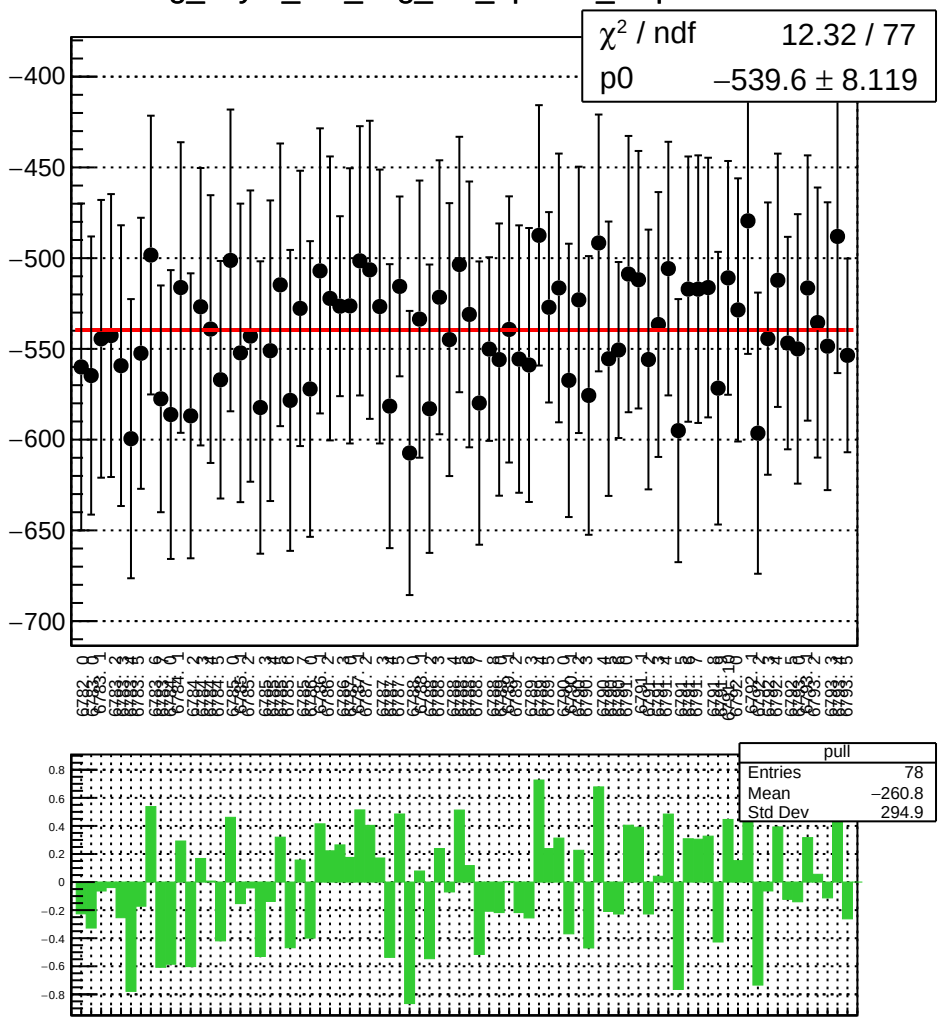

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.12 / 77
p0 −0.9656 ± 0.9776
pull
Entries 78
Mean −157.4
Std Dev 186.2
pull1D
Entries 78
Mean −0.0226
Std Dev 0.9745

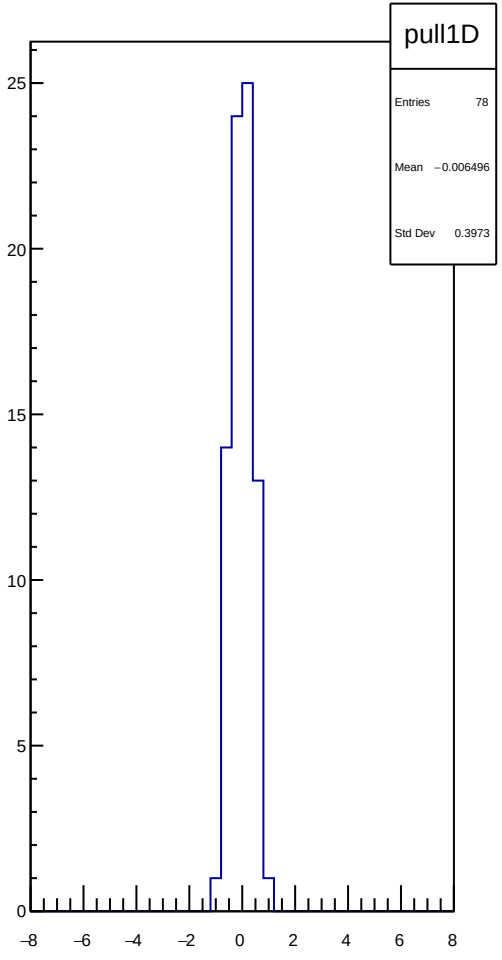

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.57 / 77
p0 36.98 ± 1.921
pull
Entries 78
Mean −103.2
Std Dev 111.3
pull1D
Entries 78
Mean −0.006784
Std Dev 0.9098

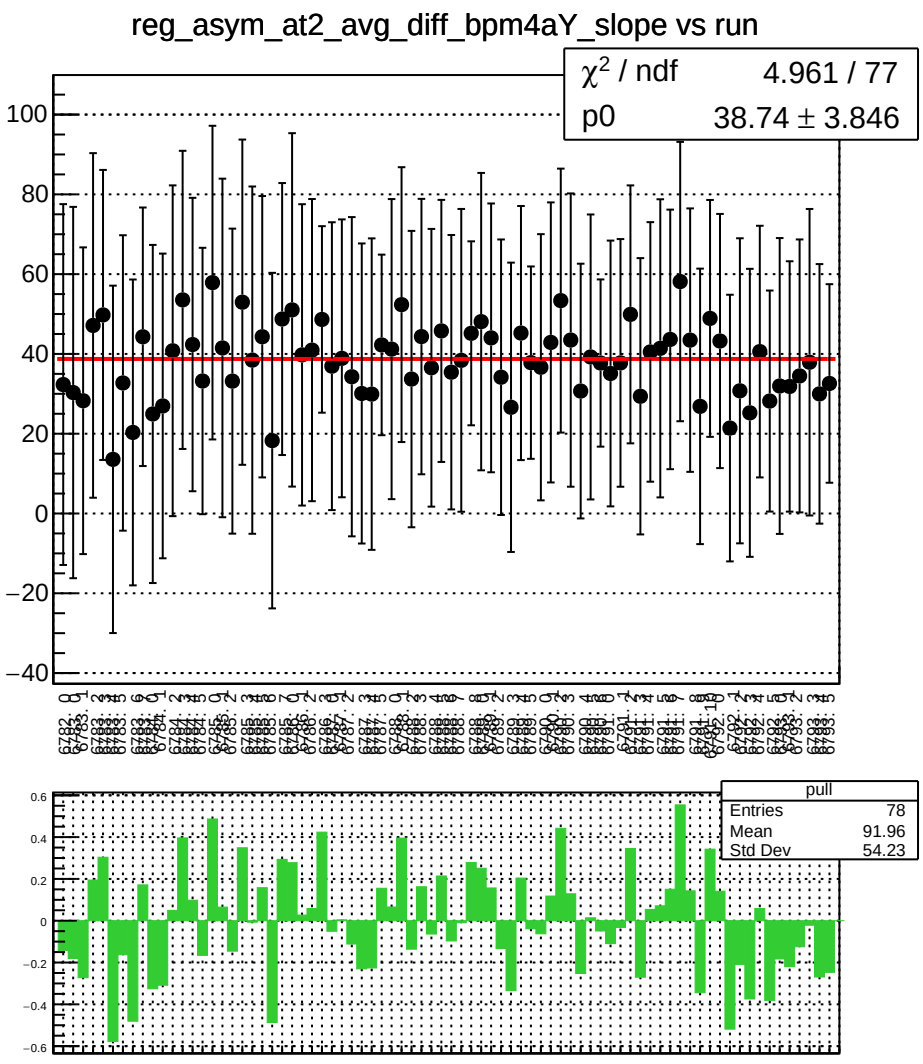

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.75 / 77
p0 2.312 ± 1.346
pull
Entries 78
Mean −247.9
Std Dev 277.5

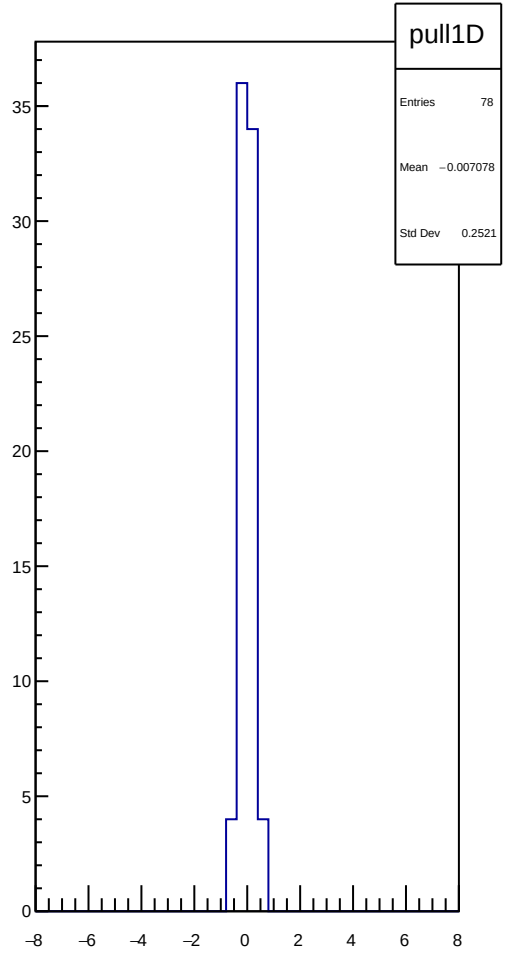

pull1D
Entries 78
Mean 0.01751
Std Dev 0.9656

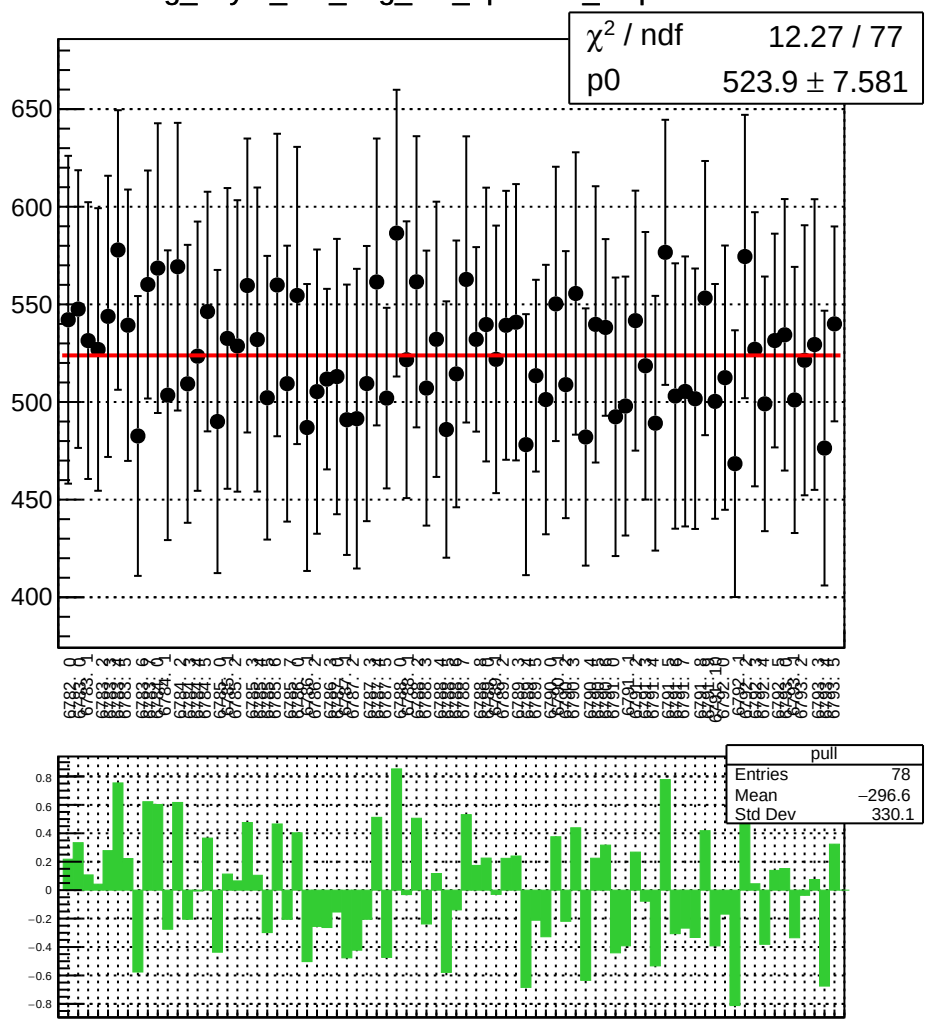

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.27 / 77
p0 −2.177 ± 0.09032
pull
Entries 78
Mean 464.5
Std Dev 419.8
pull1D
Entries 78
Mean 0.00362
Std Dev 0.9692

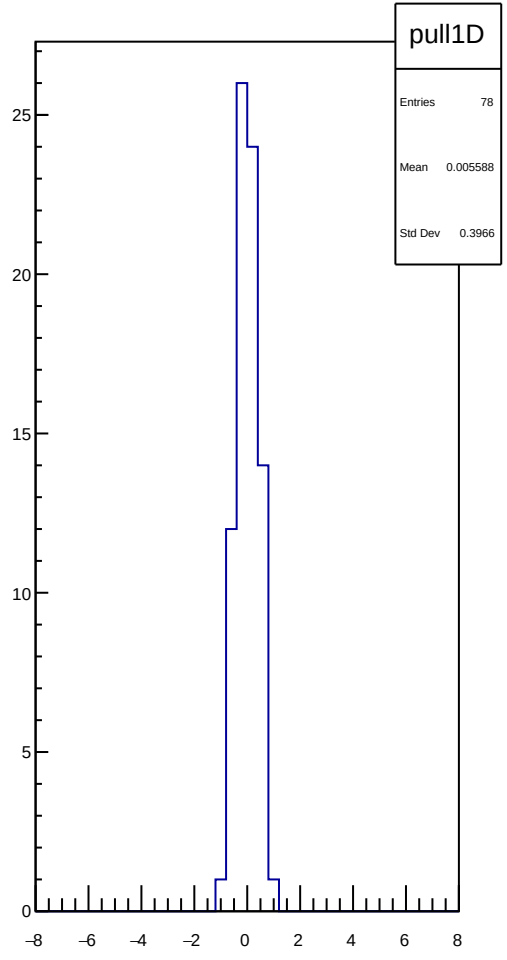

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 12.32 / 77
p0 −539.6 ± 8.119
pull
Entries 78
Mean −260.8
Std Dev 294.9

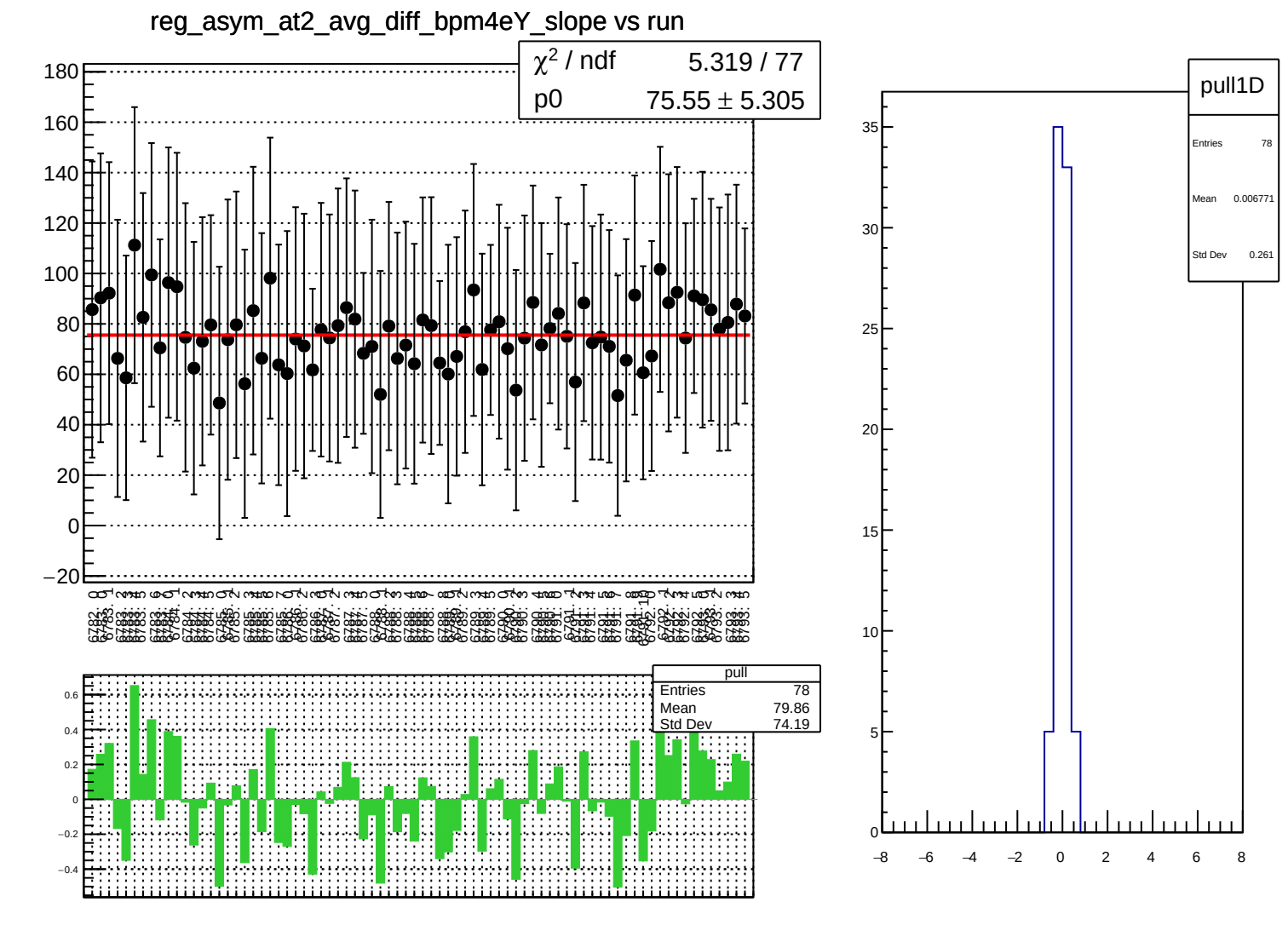

pull1D
Entries 78
Mean −0.006496
Std Dev 0.3973

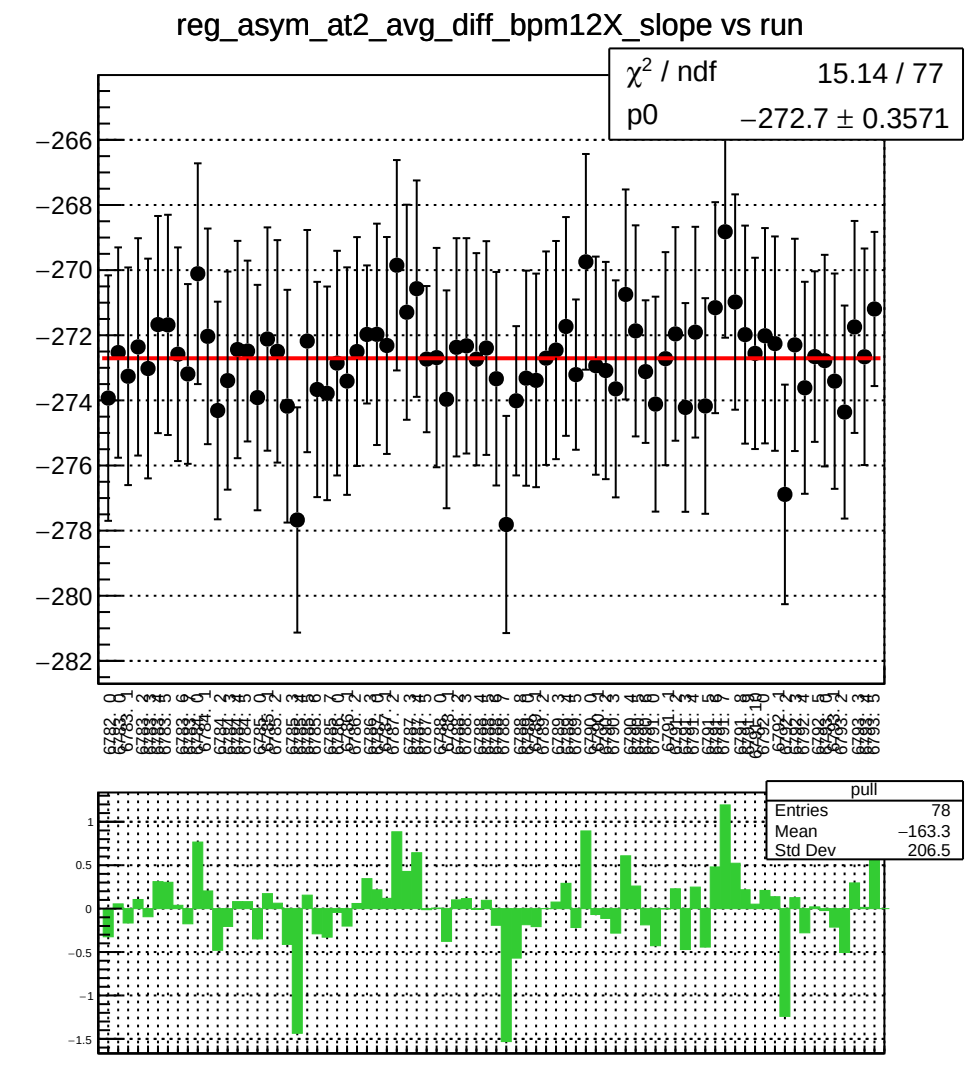

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.961 / 77
p0 38.74 ± 3.846
pull
Entries 78
Mean 91.96
Std Dev 54.23

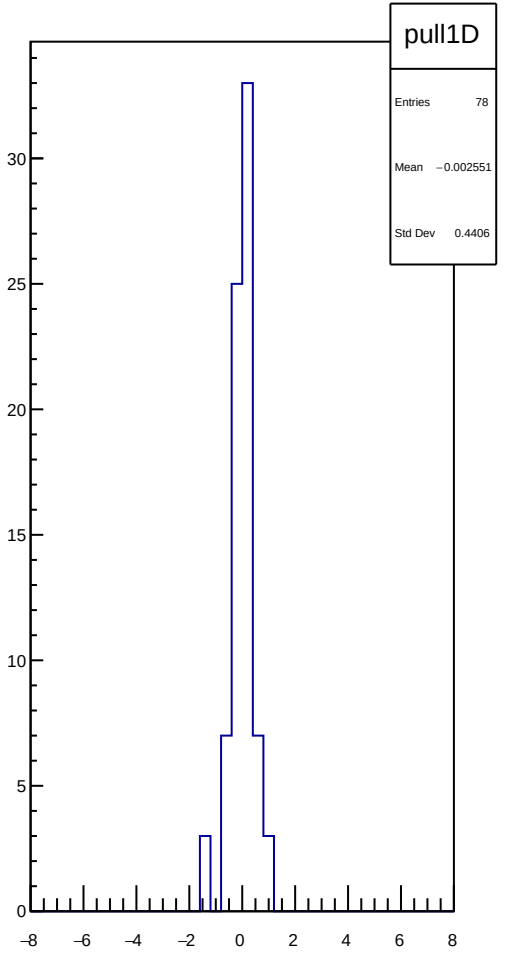

pull1D
Entries 78
Mean −0.007078
Std Dev 0.2521

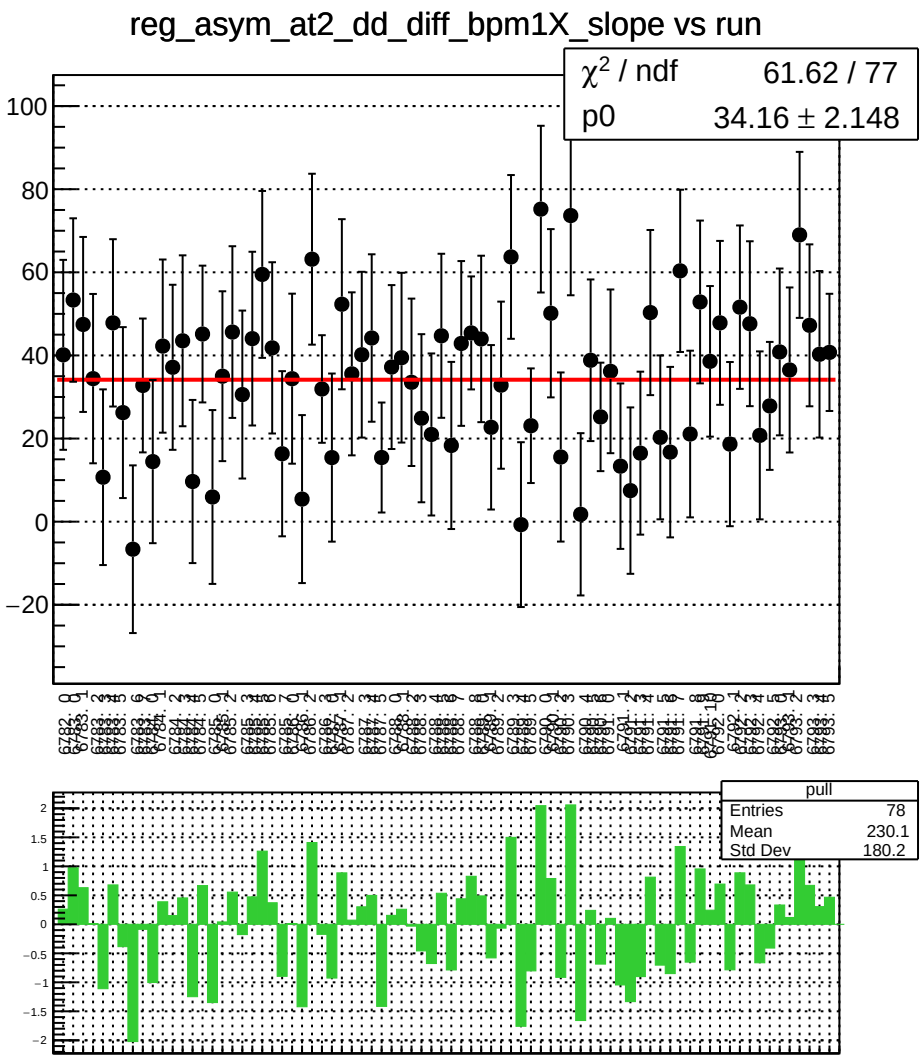

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.27 / 77
p0 523.9 ± 7.581
650
600
550
500
450
400
pull
Entries 78
Mean −296.6
Std Dev 330.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

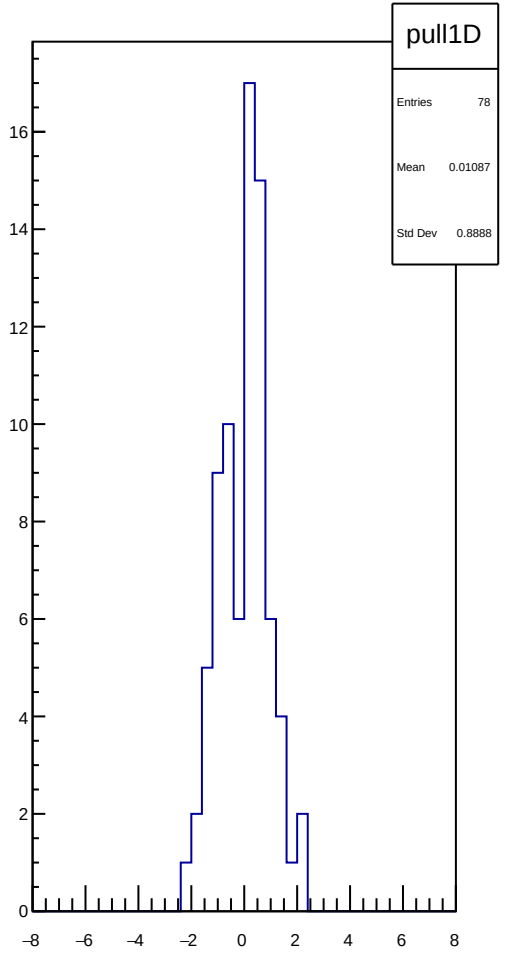

pull1D
Entries 78
Mean 0.005588
Std Dev 0.3966
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

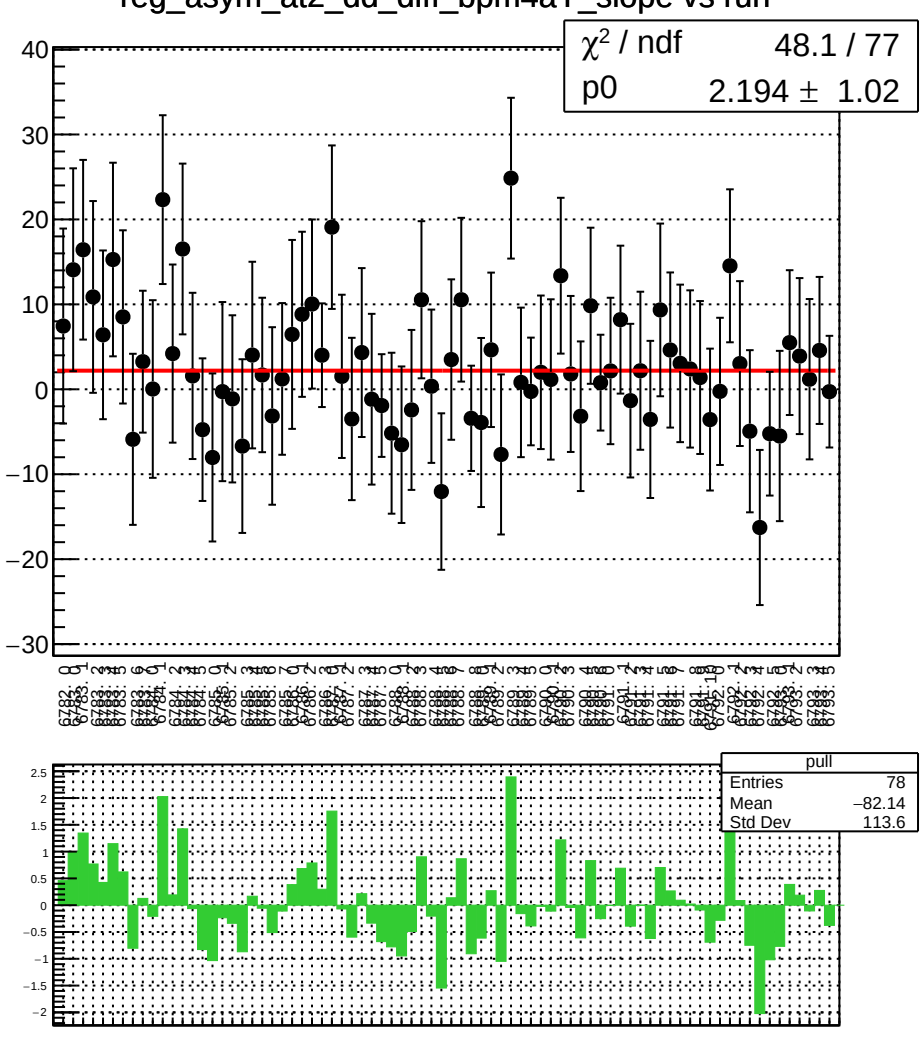

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.319 / 77
p0 75.55 ± 5.305
pull
Entries 78
Mean 79.86
Std Dev 74.19
pull1D
Entries 78
Mean 0.006771
Std Dev 0.261

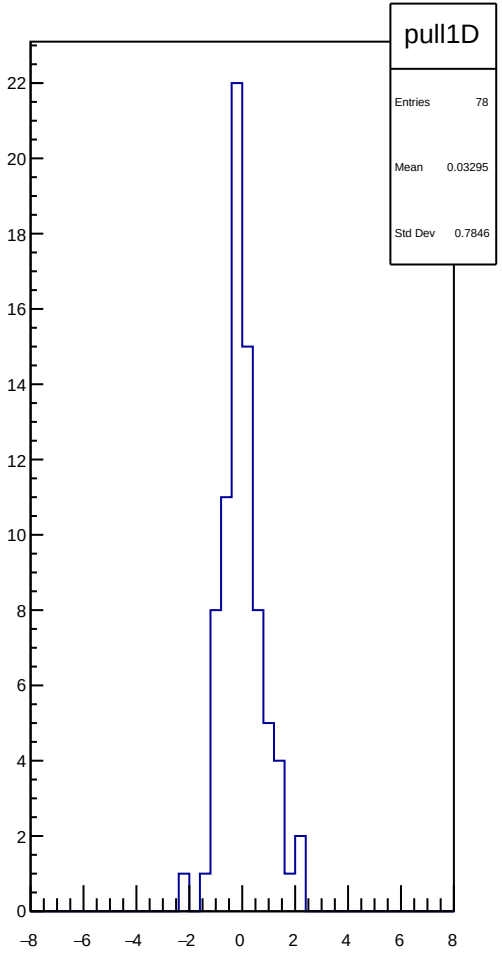

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.14 / 77
p0 −272.7 ± 0.3571
pull
Entries 78
Mean −163.3
Std Dev 206.5

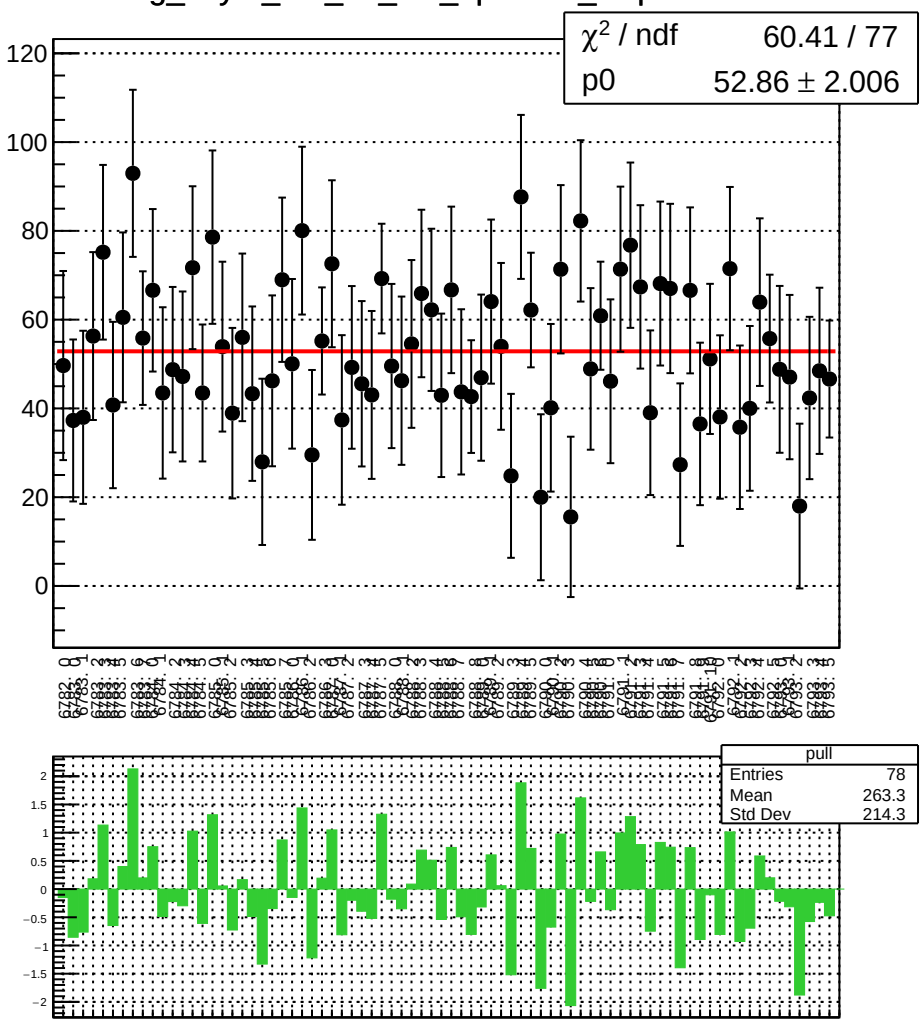

pull1D
Entries 78
Mean −0.002551
Std Dev 0.4406

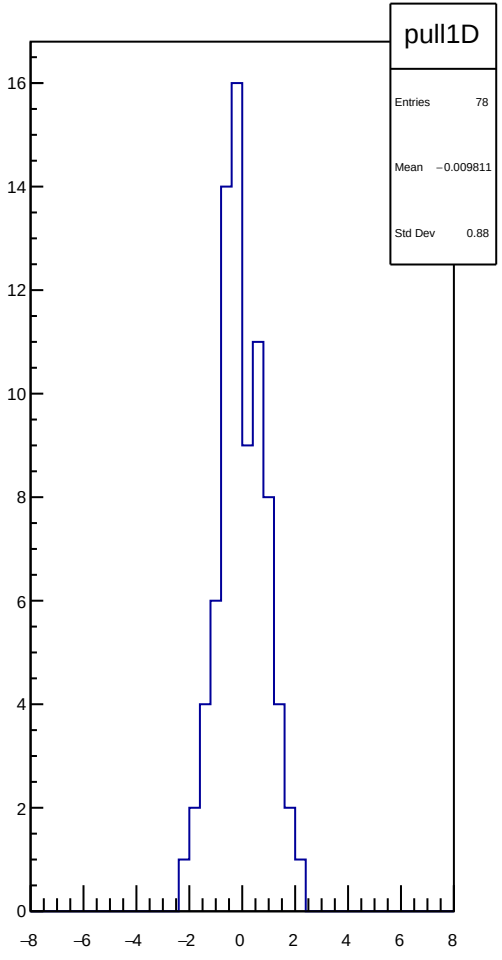

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 61.62 / 77
p0 34.16 ± 2.148
pull
Entries 78
Mean 230.1
Std Dev 180.2

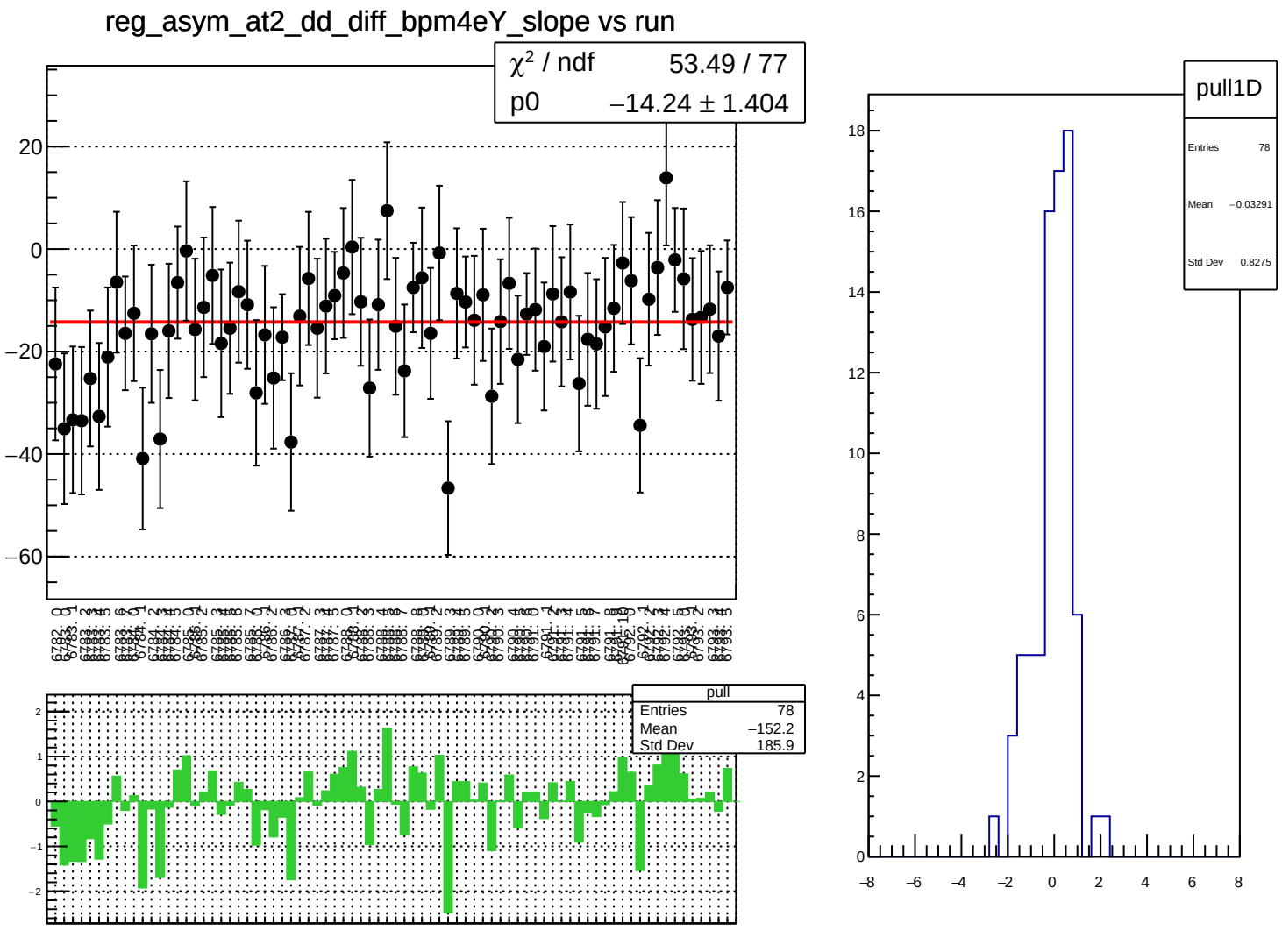

pull1D
Entries 78
Mean 0.01087
Std Dev 0.8888

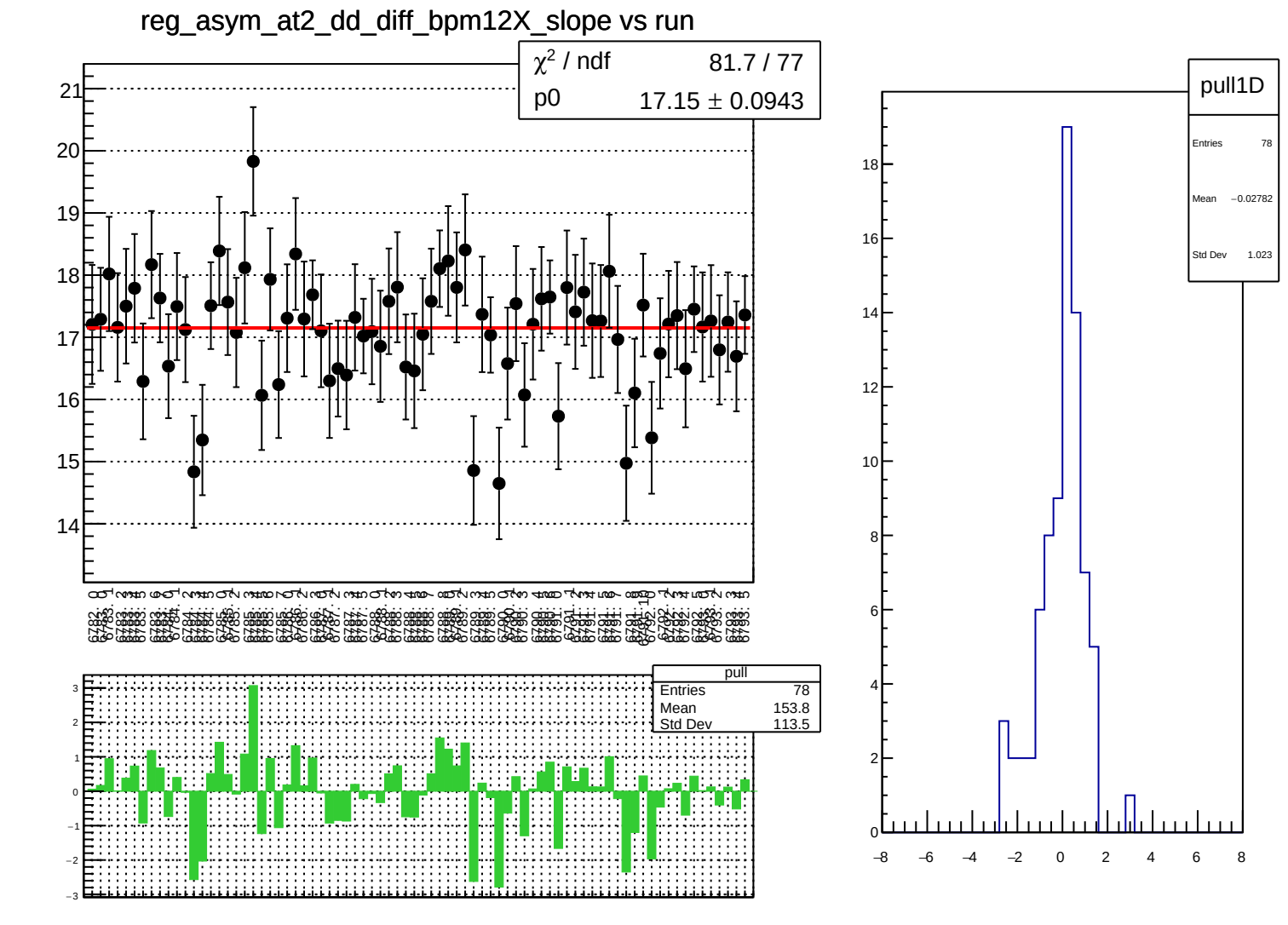

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.1 / 77
p0 2.194 ± 1.02
pull
Entries 78
Mean −82.14
Std Dev 113.6

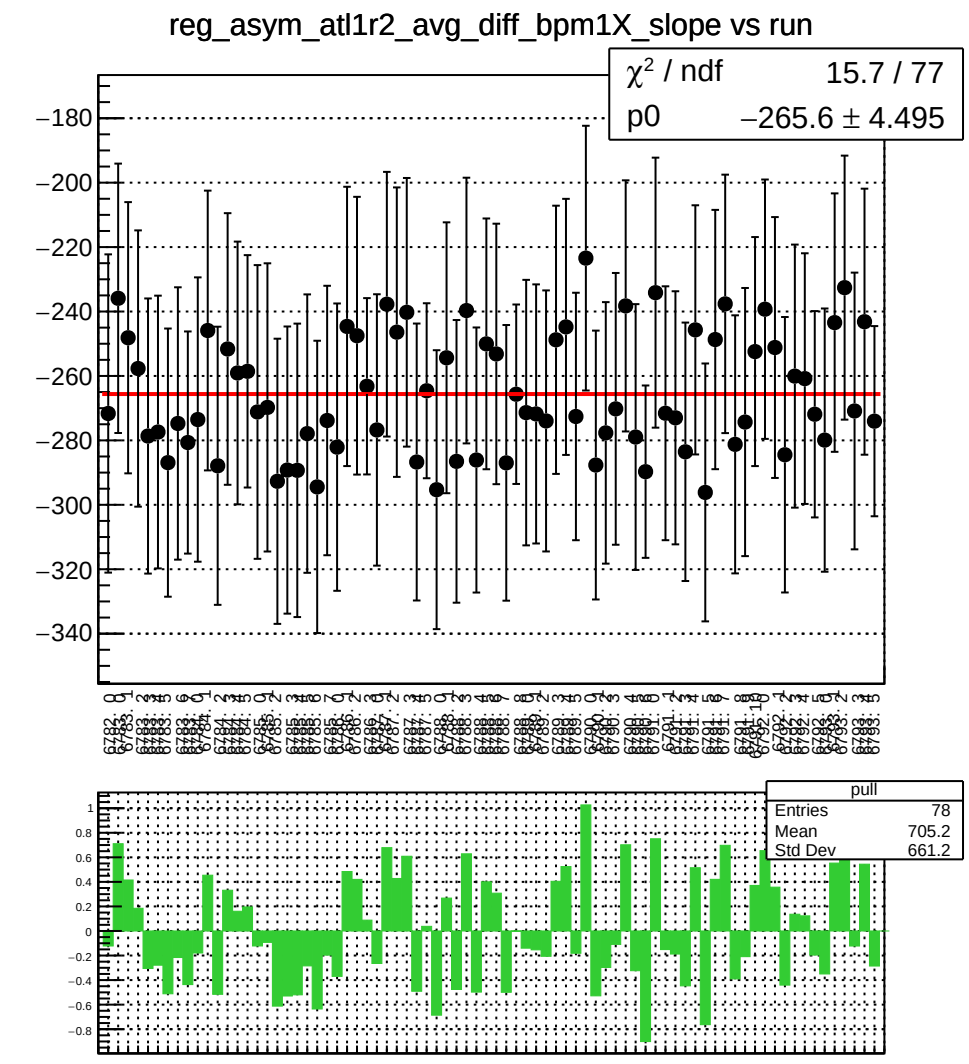

pull1D
Entries 78
Mean 0.03295
Std Dev 0.7846

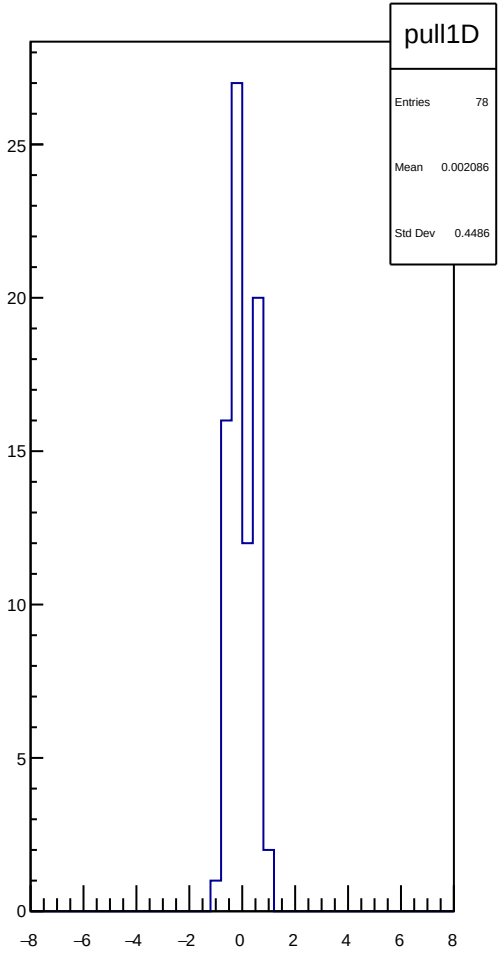

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.41 / 77
p0 52.86 ± 2.006
pull
Entries 78
Mean 263.3
Std Dev 214.3

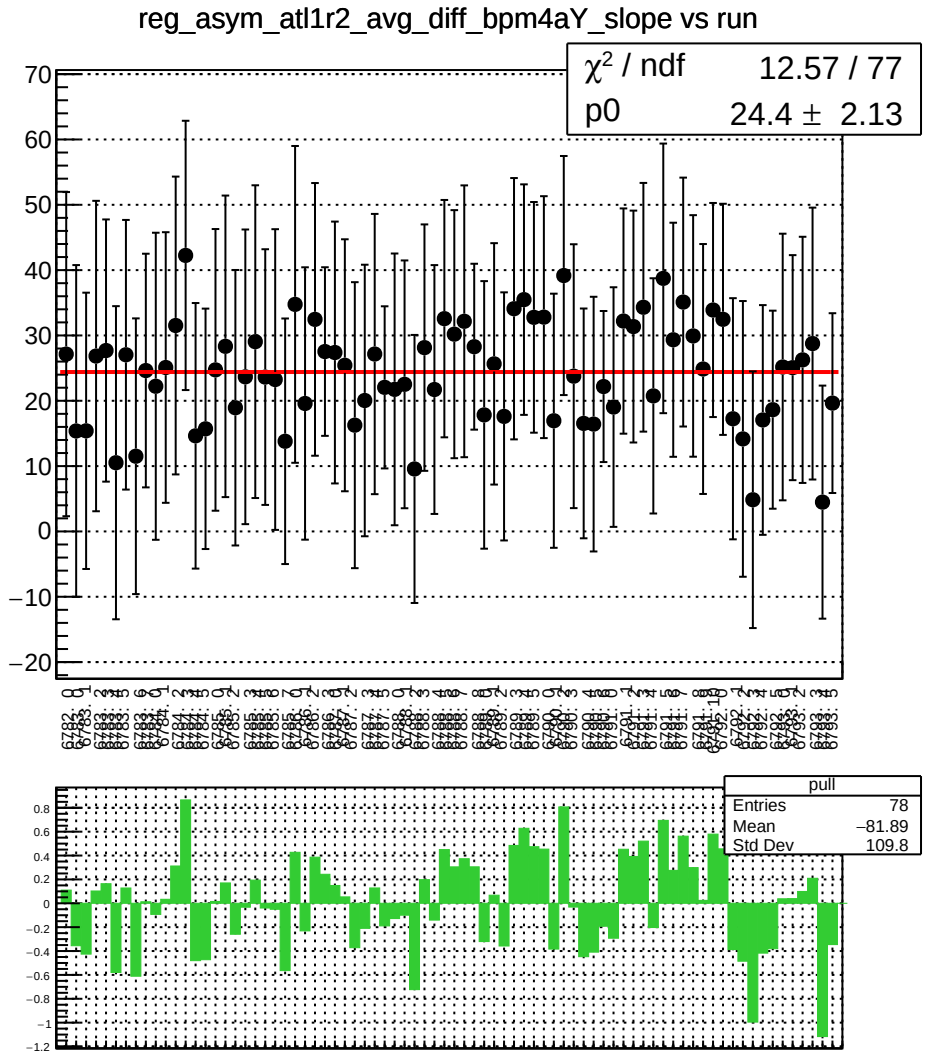

pull1D
Entries 78
Mean −0.009811
Std Dev 0.88

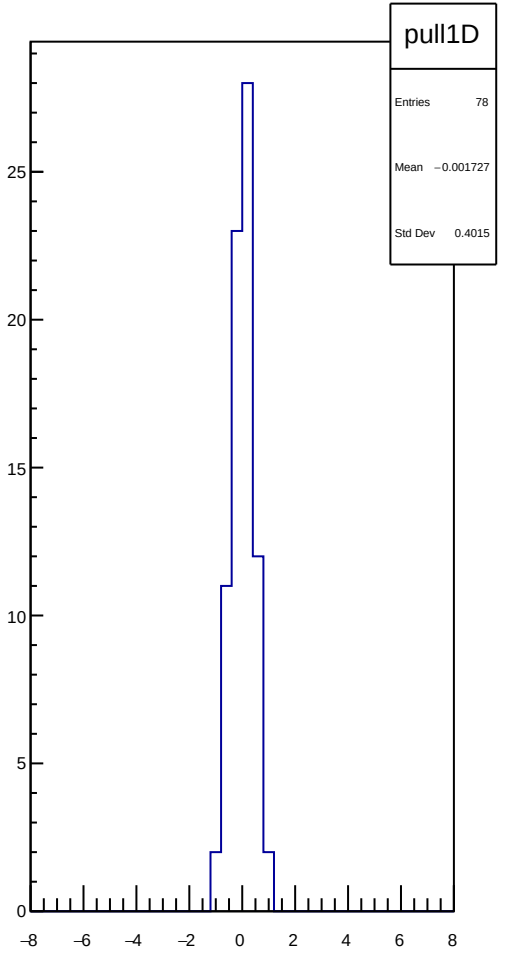

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.49 / 77
p0 −14.24 ± 1.404
pull
Entries 78
Mean −152.2
Std Dev 185.9
pull1D
Entries 78
Mean −0.03291
Std Dev 0.8275

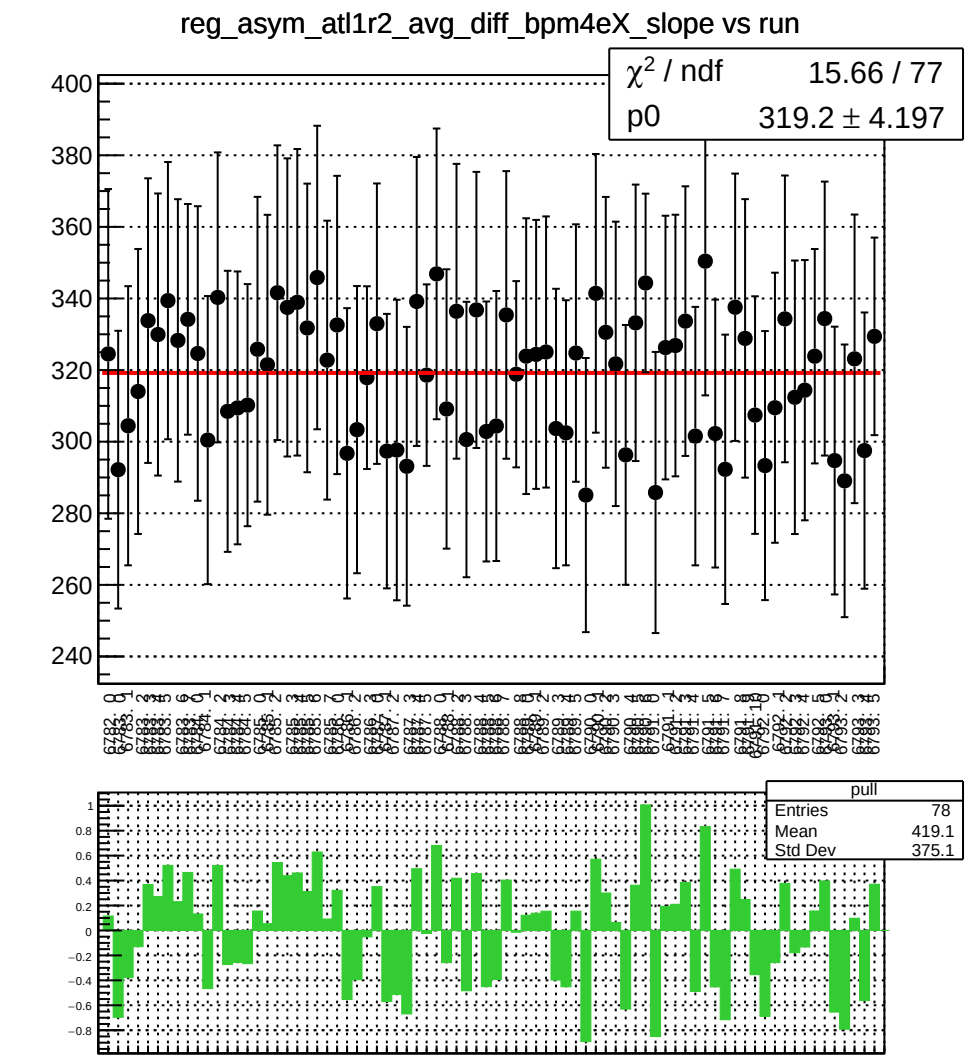

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 81.7 / 77
p0 17.15 ± 0.0943
pull
Entries 78
Mean 153.8
Std Dev 113.5
pull1D
Entries 78
Mean −0.02782
Std Dev 1.023

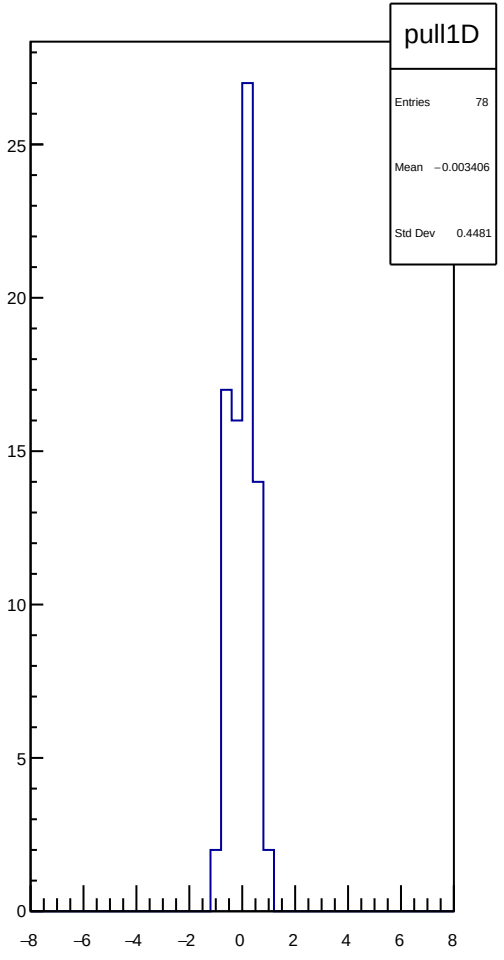

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.7 / 77
p0 −265.6 ± 4.495
pull
Entries 78
Mean 705.2
Std Dev 661.2

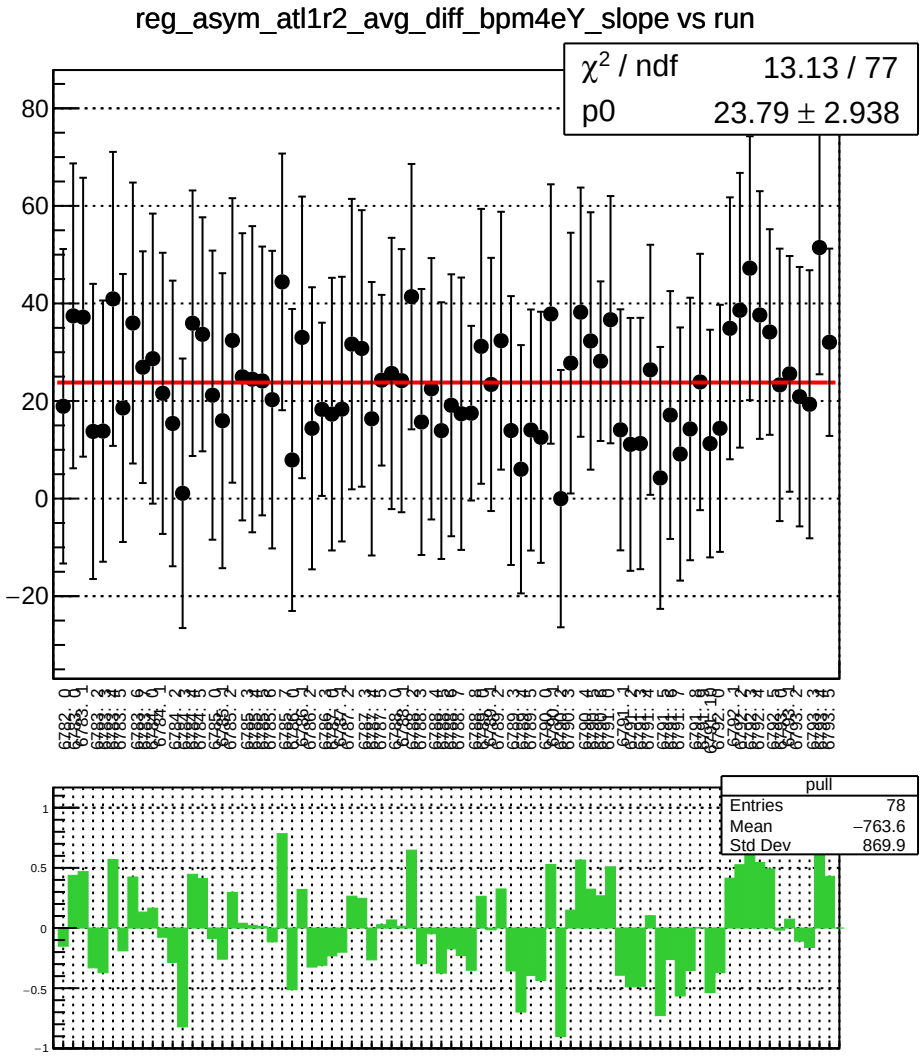

pull1D
Entries 78
Mean 0.002086
Std Dev 0.4486

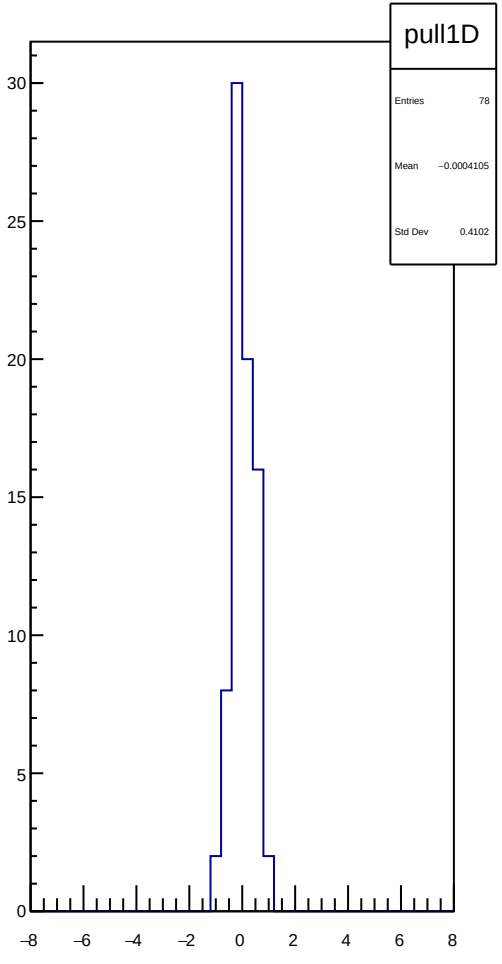

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 77
p0 24.4 ± 2.13
pull
Entries 78
Mean −81.89
Std Dev 109.8

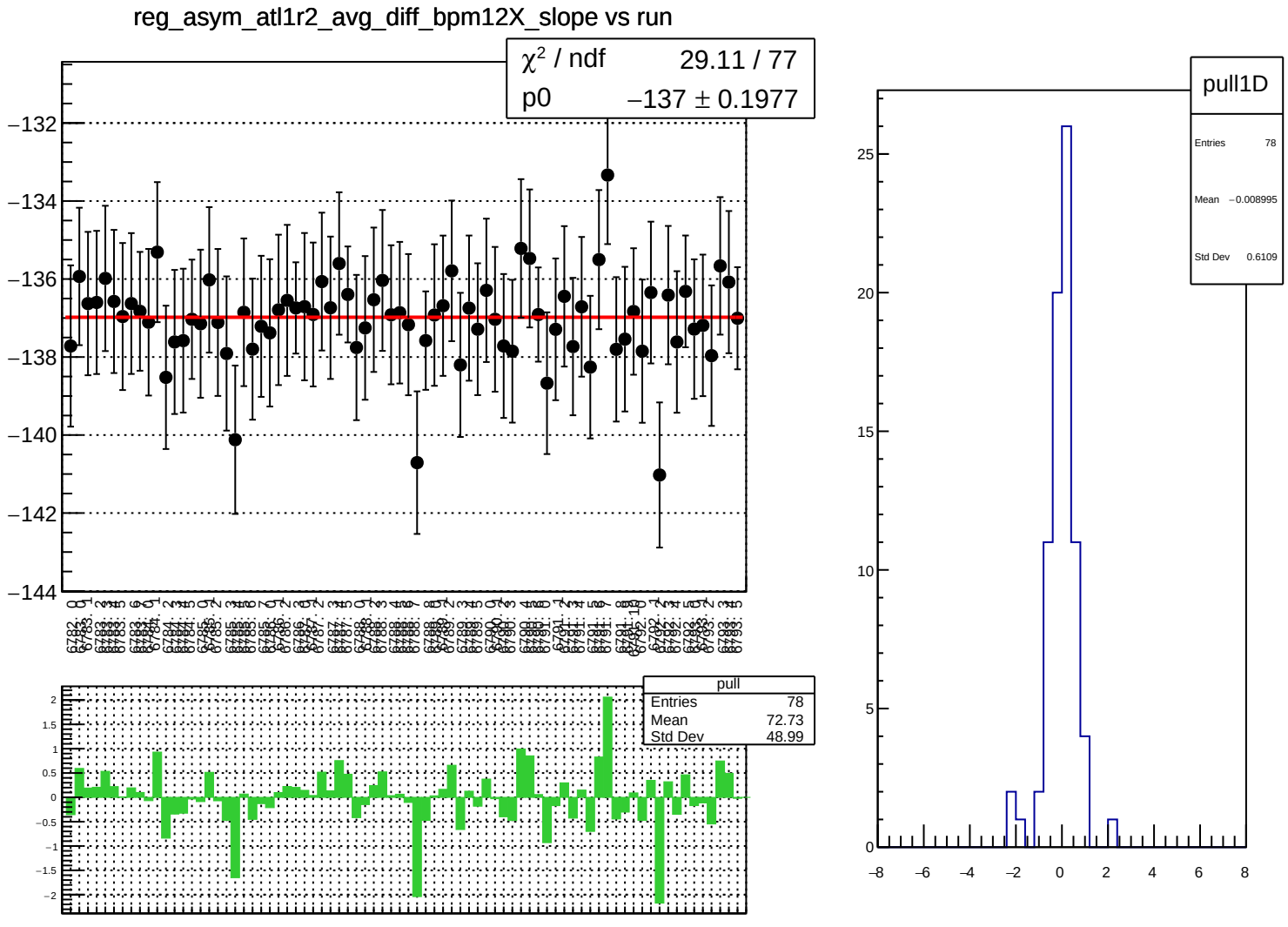

pull1D
Entries 78
Mean −0.001727
Std Dev 0.4015

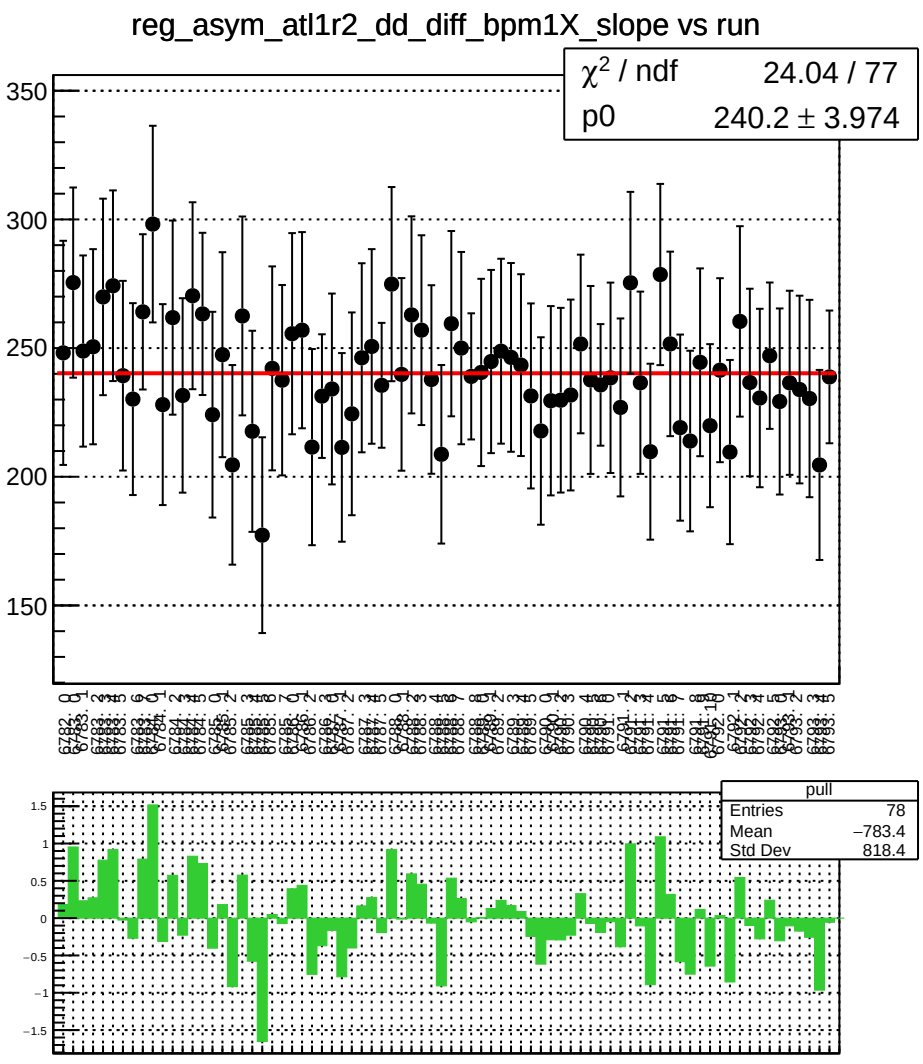

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.66 / 77
p0 319.2 ± 4.197
pull
Entries 78
Mean 419.1
Std Dev 375.1

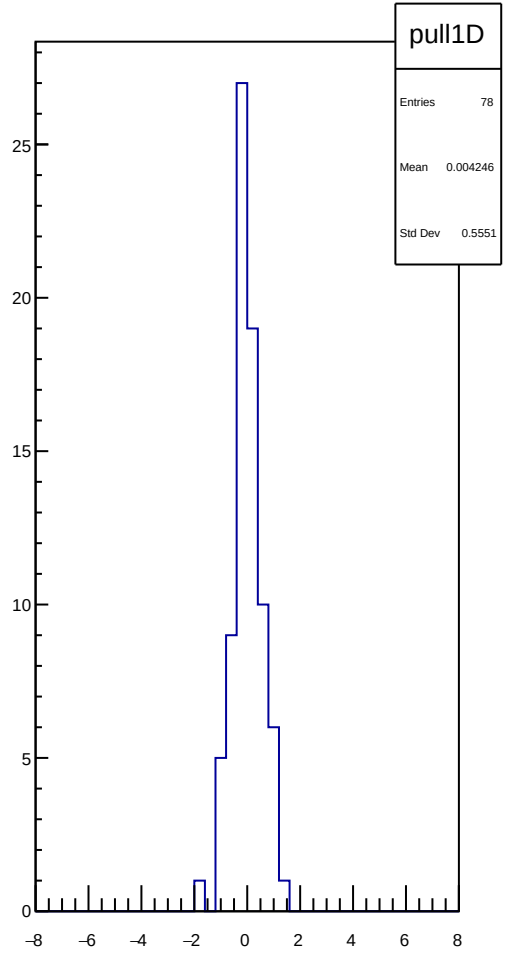

pull1D
Entries 78
Mean −0.003406
Std Dev 0.4481

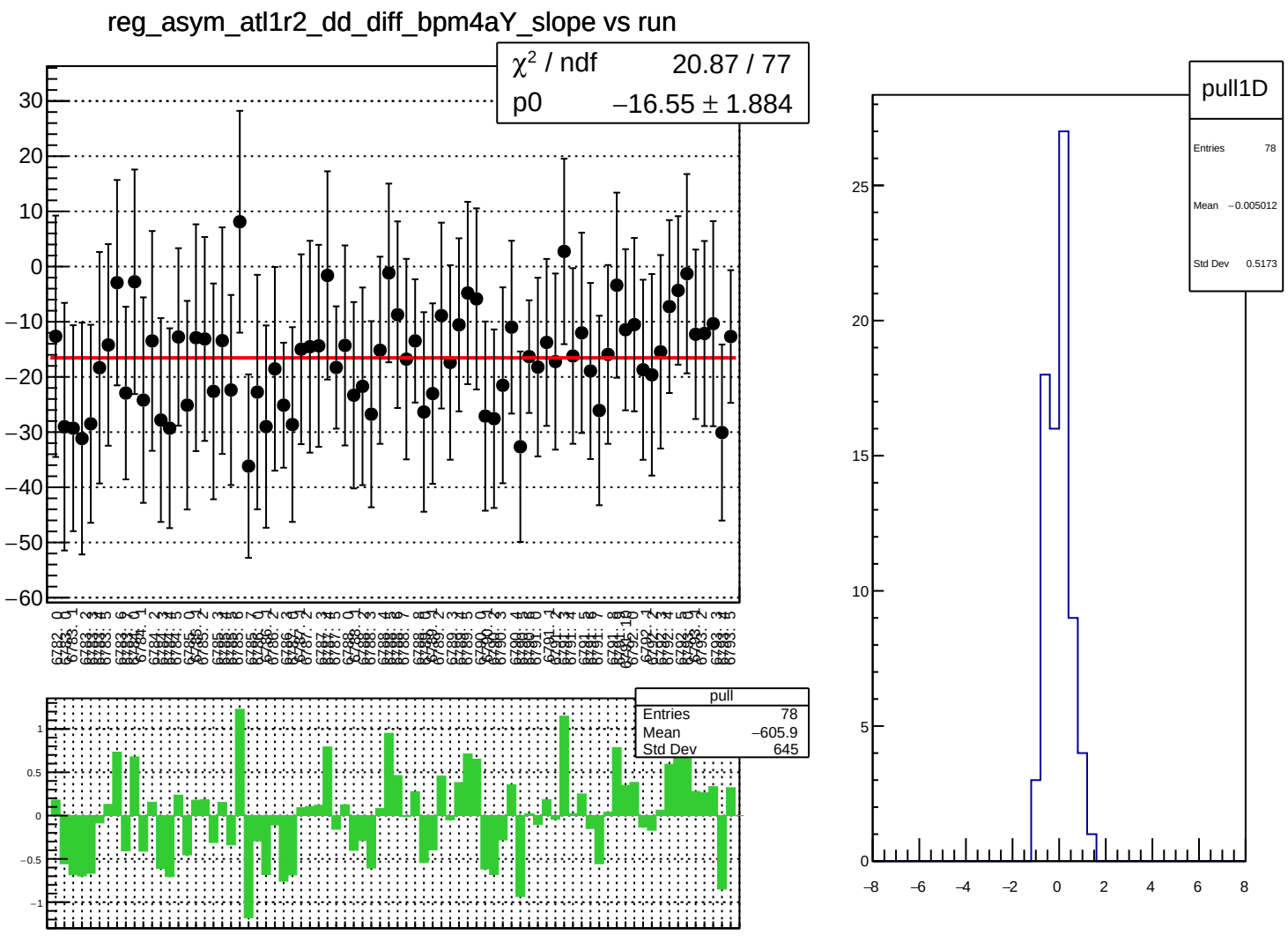

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 77
p0 23.79 ± 2.938
pull
Entries 78
Mean −763.6
Std Dev 869.9

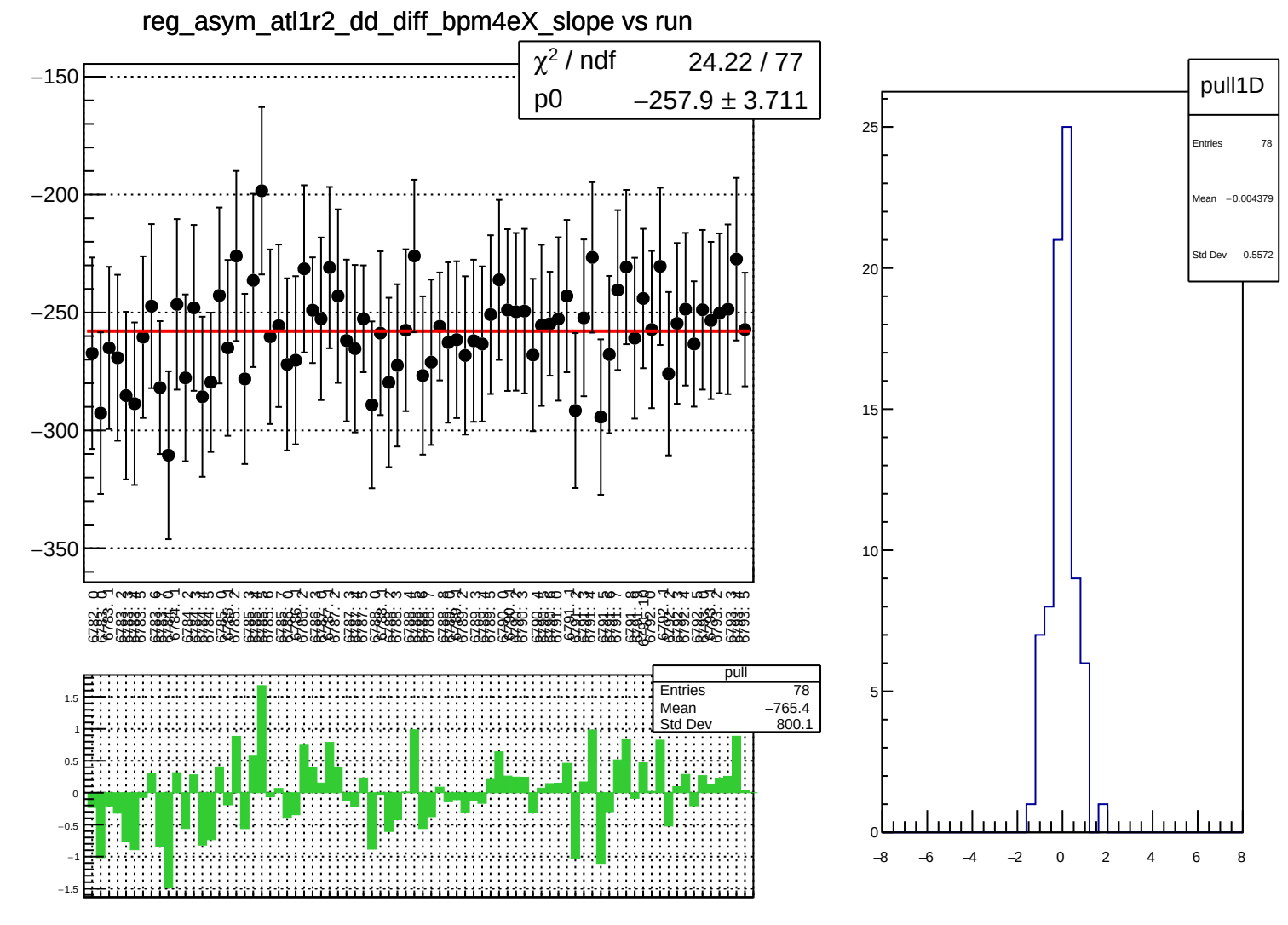

pull1D
Entries 78
Mean −0.0004105
Std Dev 0.4102

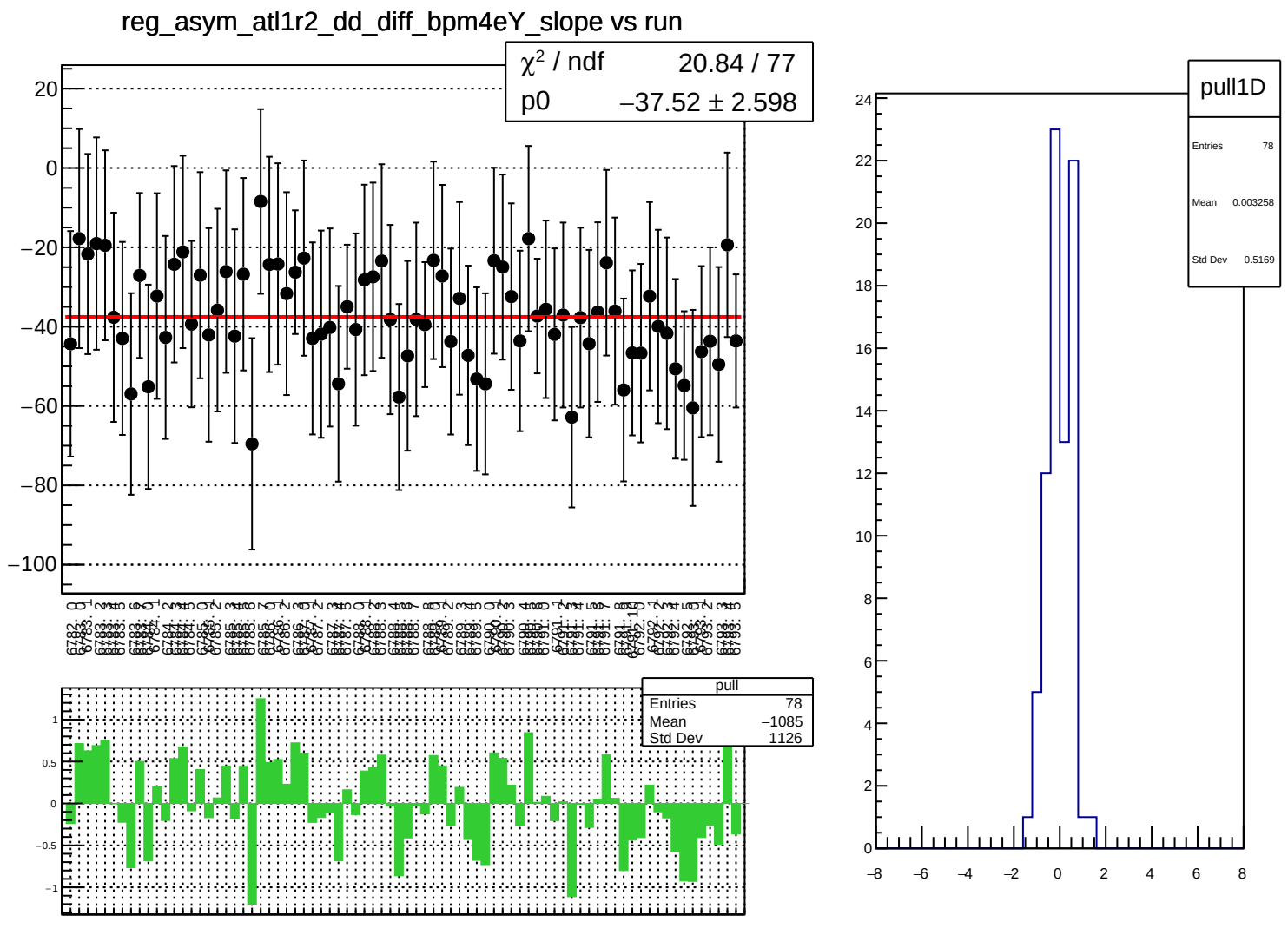

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.11 / 77
p0 −137 ± 0.1977
−132
−134
−136
−138
−140
−142
−144
pull
Entries 78
Mean 72.73
Std Dev 48.99
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.008995
Std Dev 0.6109
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

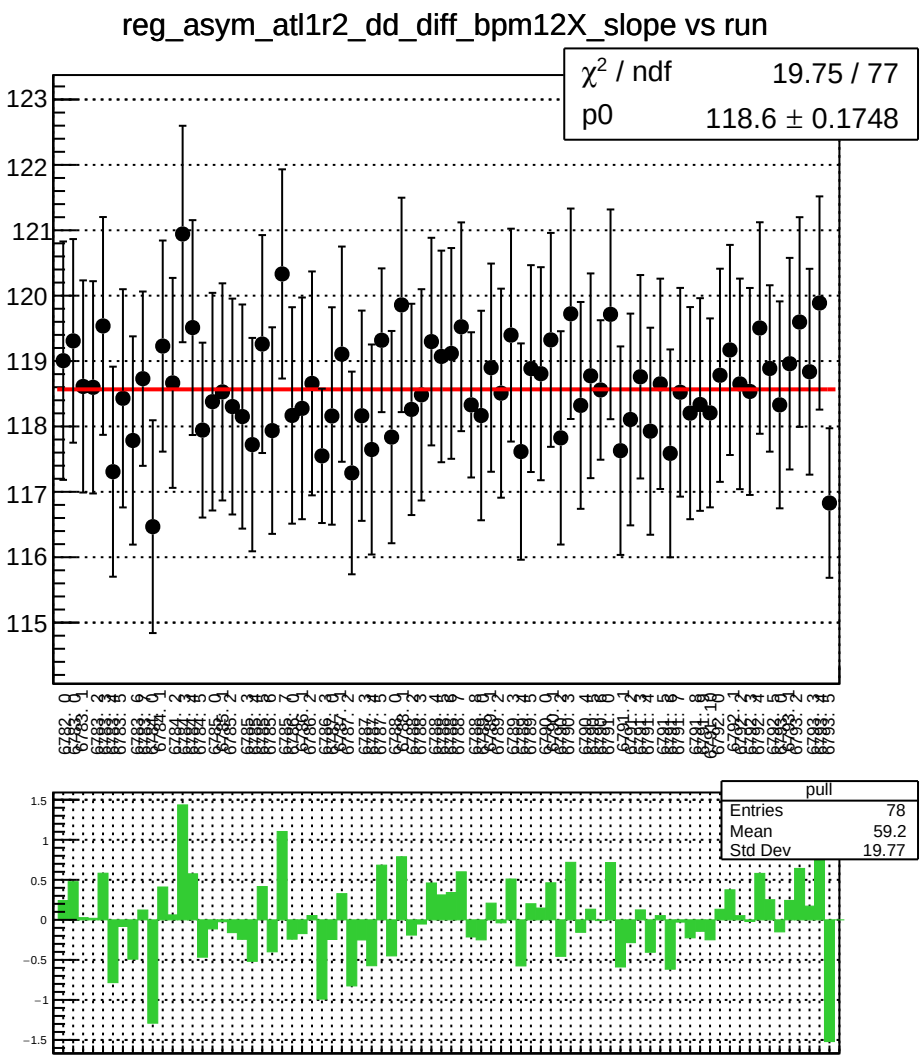

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.04 / 77
p0 240.2 ± 3.974
350
300
250
200
150
pull
Entries 78
Mean −783.4
Std Dev 818.4
1.5
1
0.5
0
−0.5
−1
−1.5

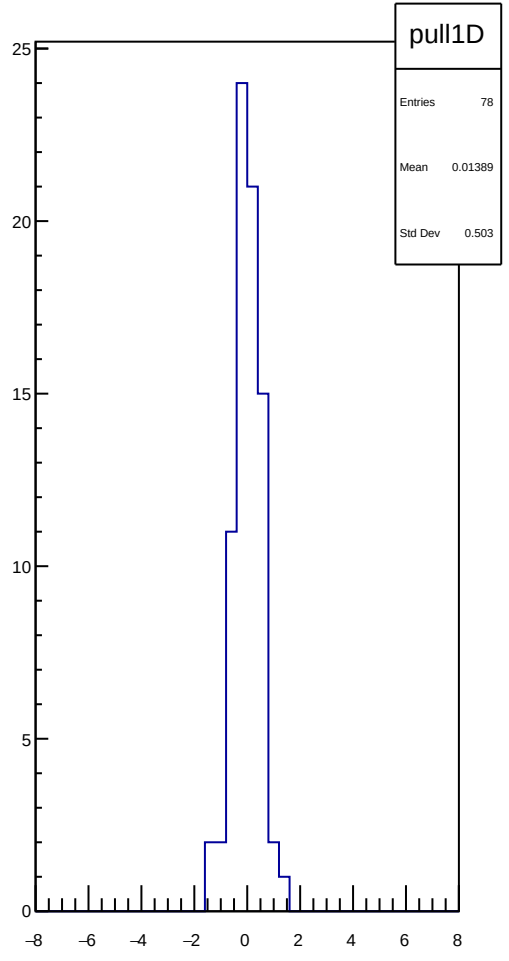

pull1D
Entries 78
Mean 0.004246
Std Dev 0.5551
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

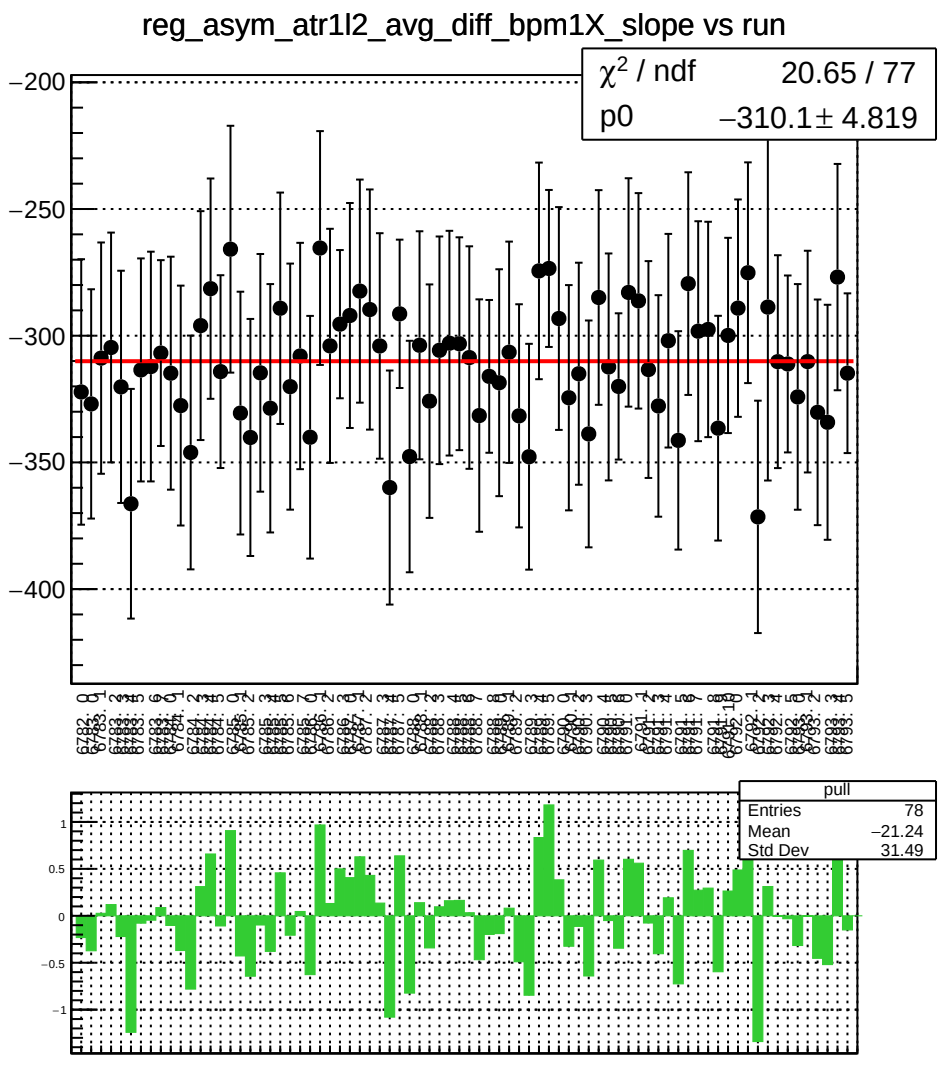

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.87 / 77
p0 −16.55 ± 1.884
pull
Entries 78
Mean −605.9
Std Dev 645
pull1D
Entries 78
Mean −0.005012
Std Dev 0.5173

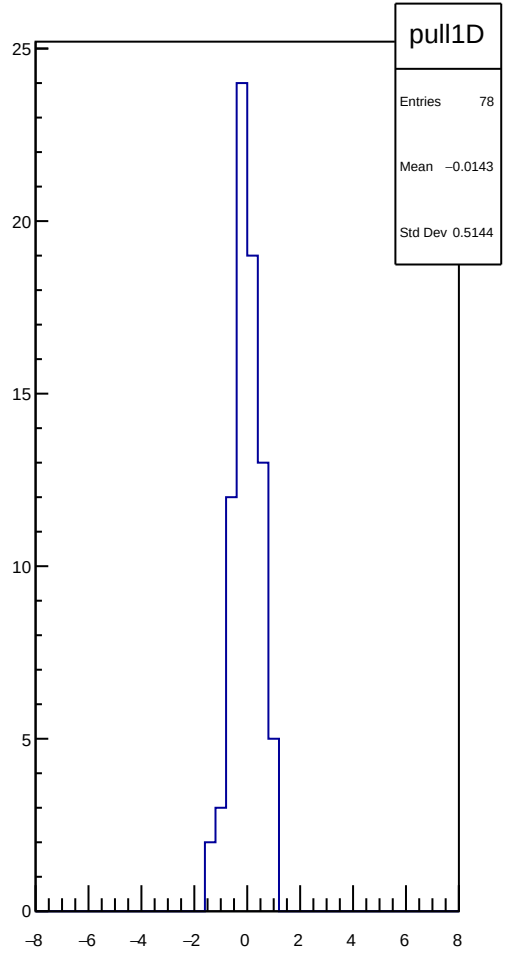

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.22 / 77
p0 −257.9 ± 3.711
pull
Entries 78
Mean −765.4
Std Dev 800.1
pull1D
Entries 78
Mean −0.004379
Std Dev 0.5572

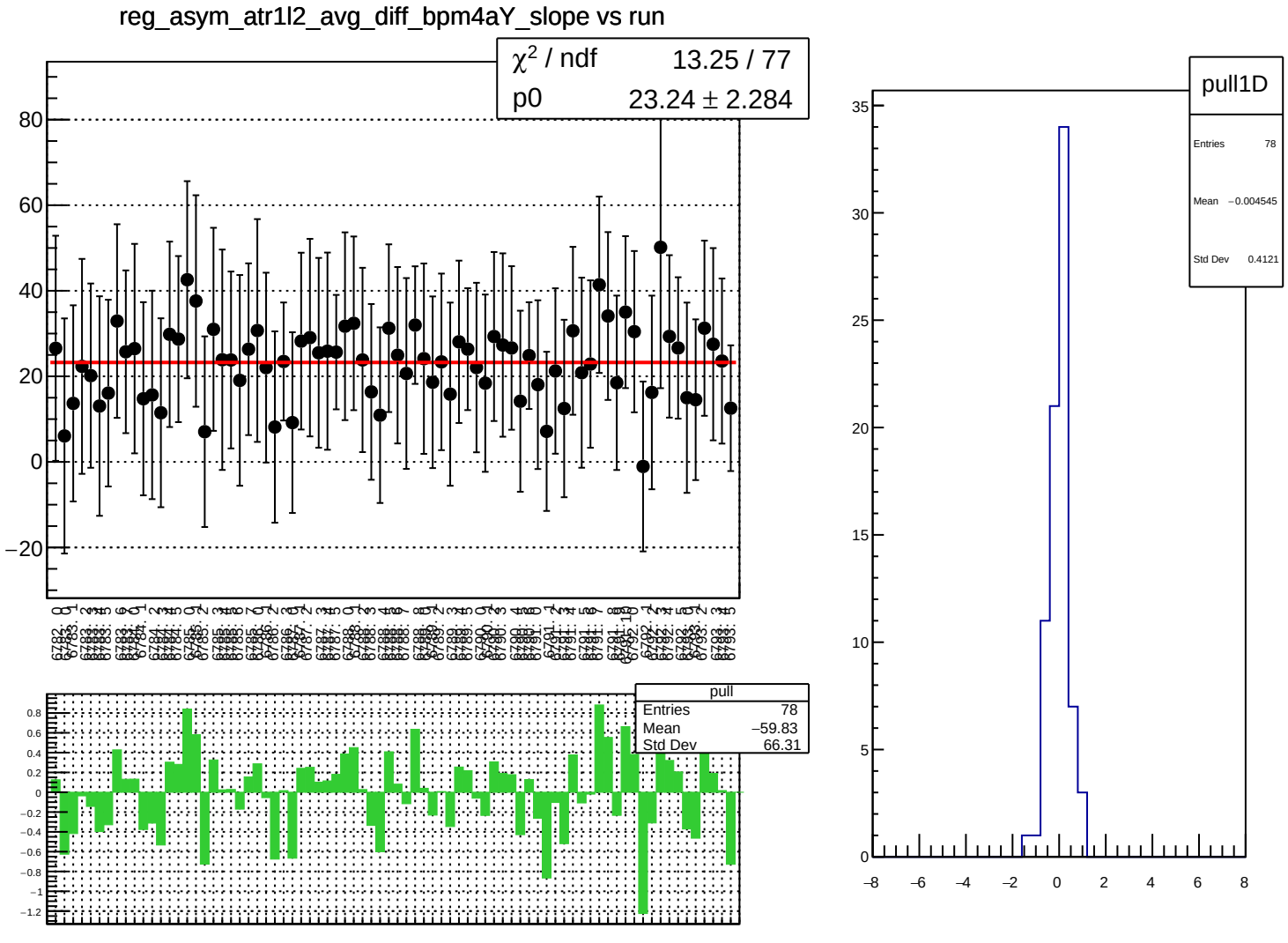

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.84 / 77
p0 −37.52 ± 2.598
pull
Entries 78
Mean −1085
Std Dev 1126
pull1D
Entries 78
Mean 0.003258
Std Dev 0.5169

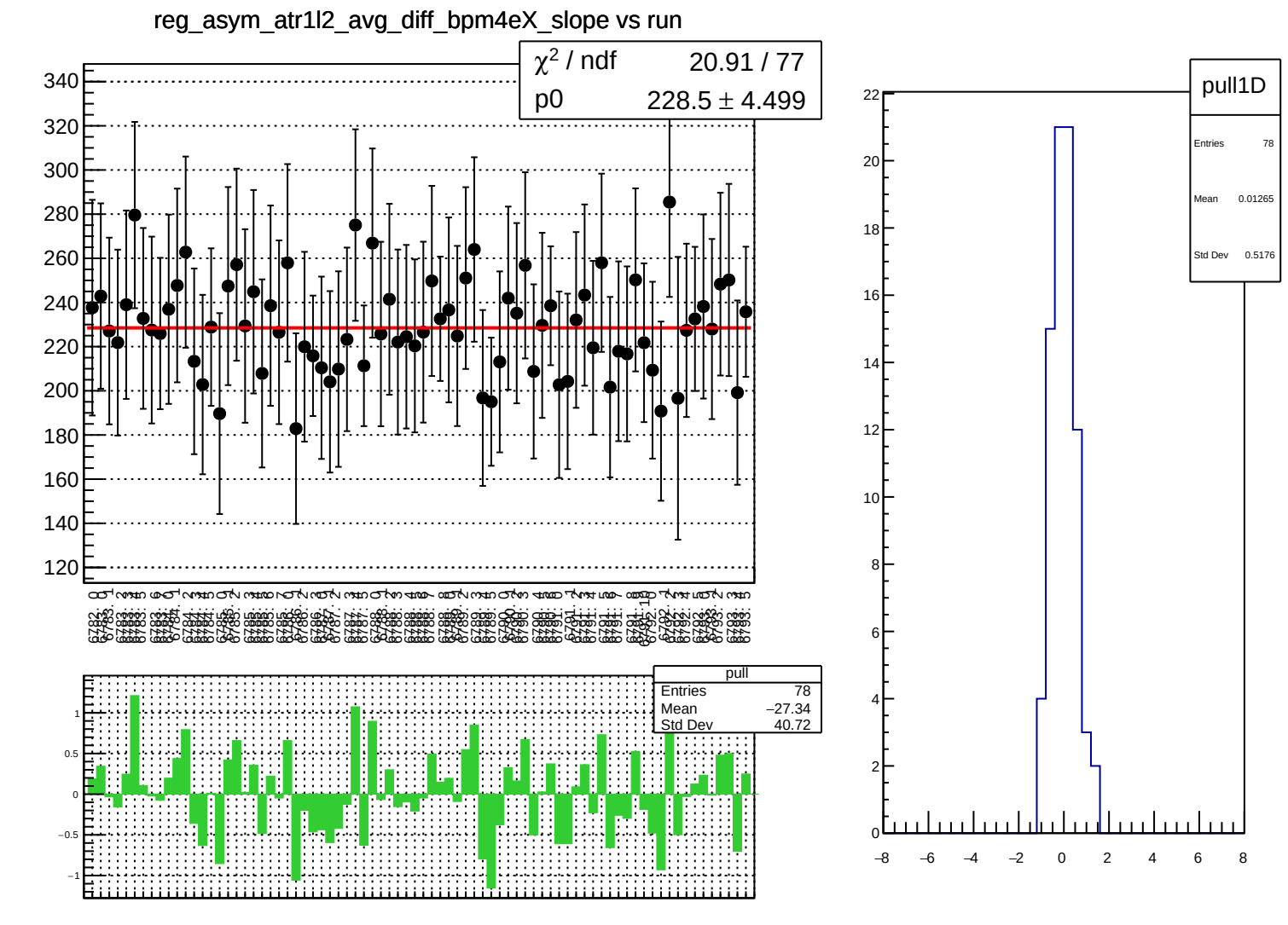

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 77
p0 118.6 ± 0.1748
123
122
121
120
119
118
117
116
115
pull
Entries 78
Mean 59.2
Std Dev 19.77
1.5
1
0.5
0
−0.5
−1
−1.5

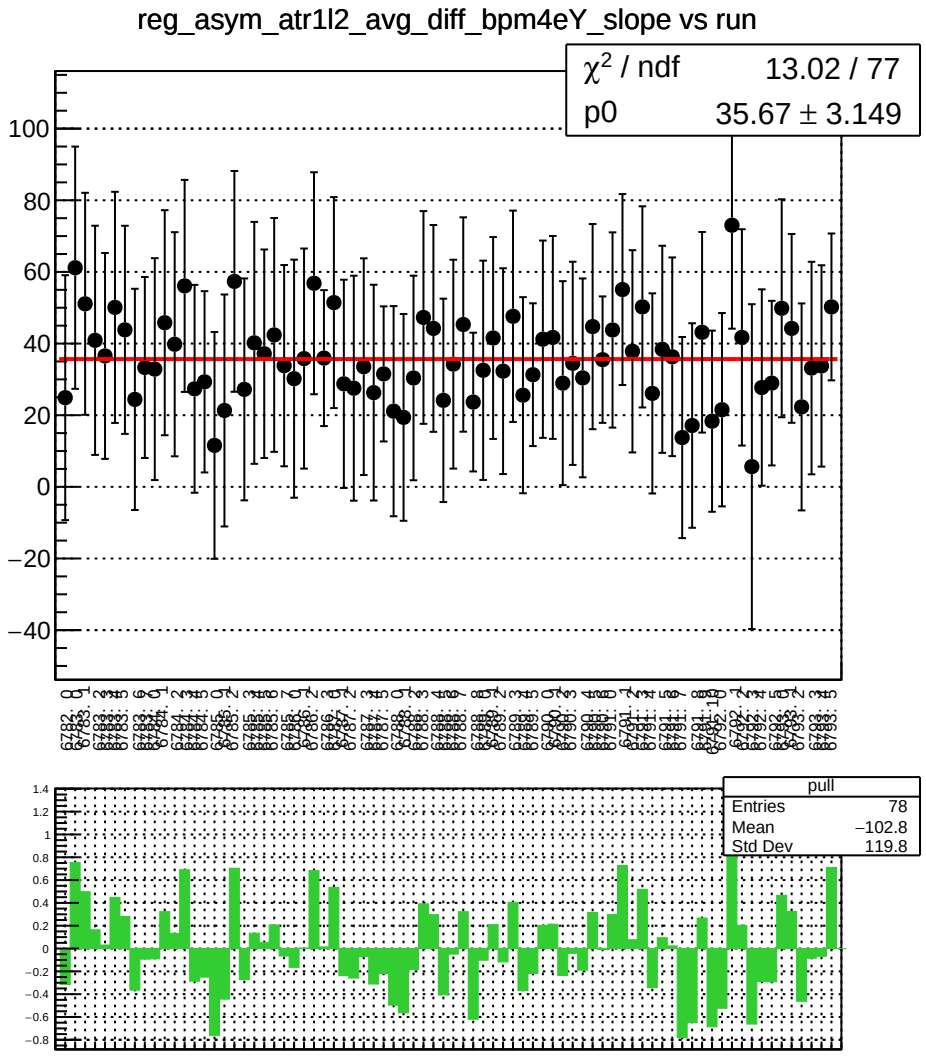

pull1D
Entries 78
Mean 0.01389
Std Dev 0.503
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

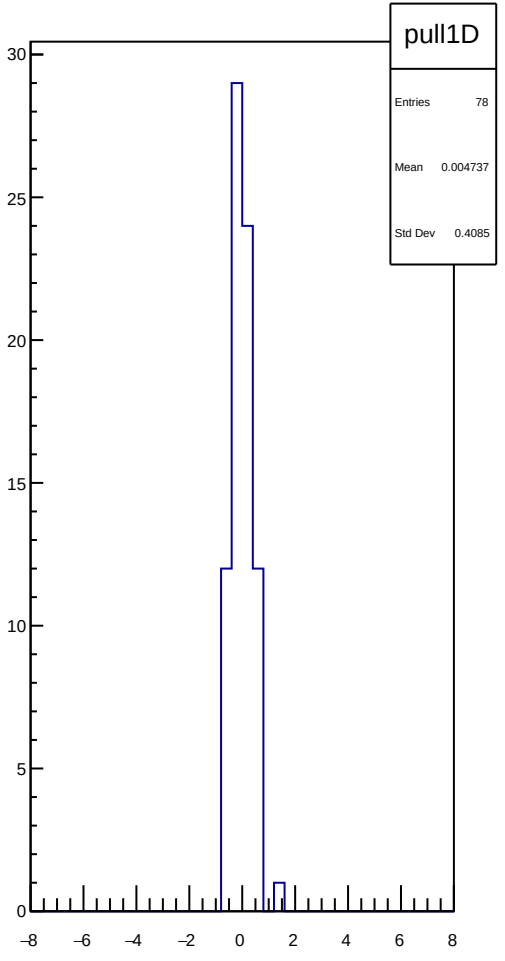

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 20.65 / 77
p0 −310.1 ± 4.819
−200
−250
−300
−350
−400
pull
Entries 78
Mean −21.24
Std Dev 31.49
1
0.5
0
−0.5
−1

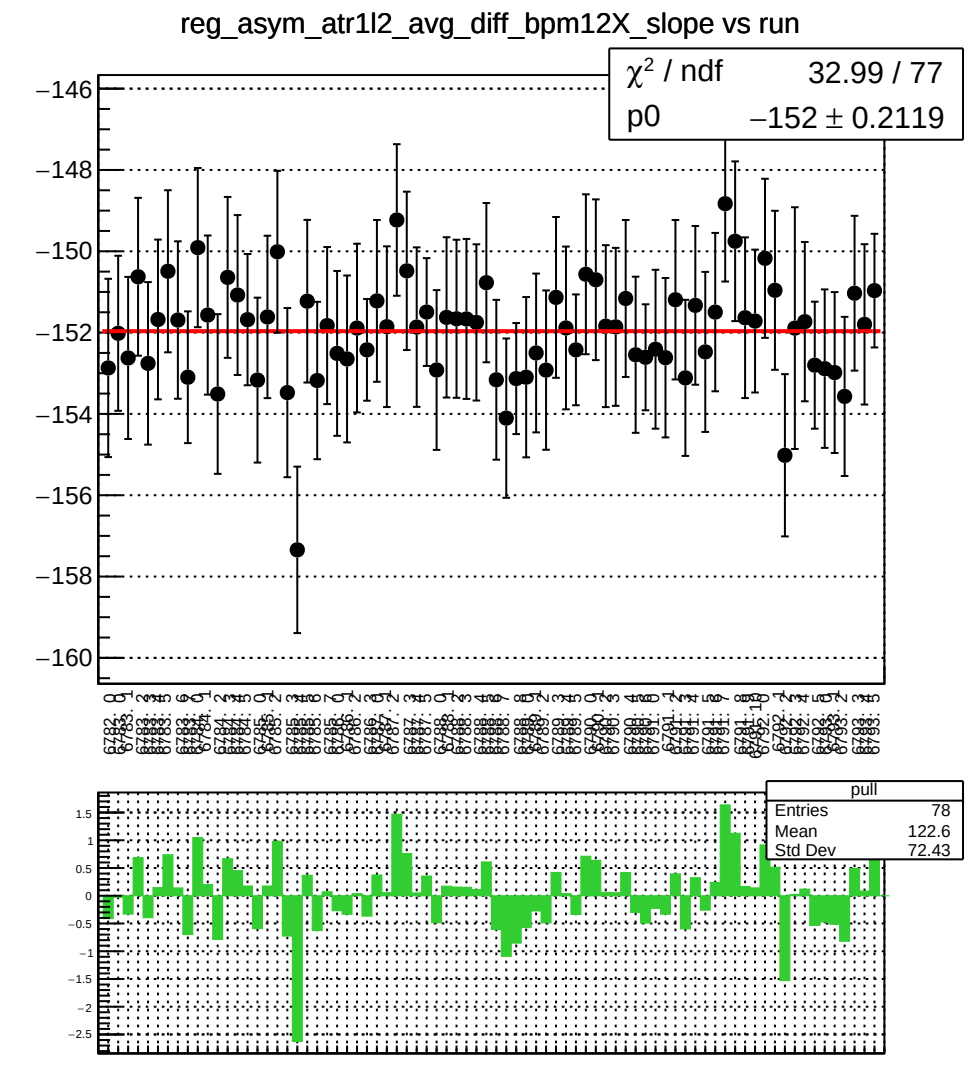

pull1D
Entries 78
Mean −0.0143
Std Dev 0.5144
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

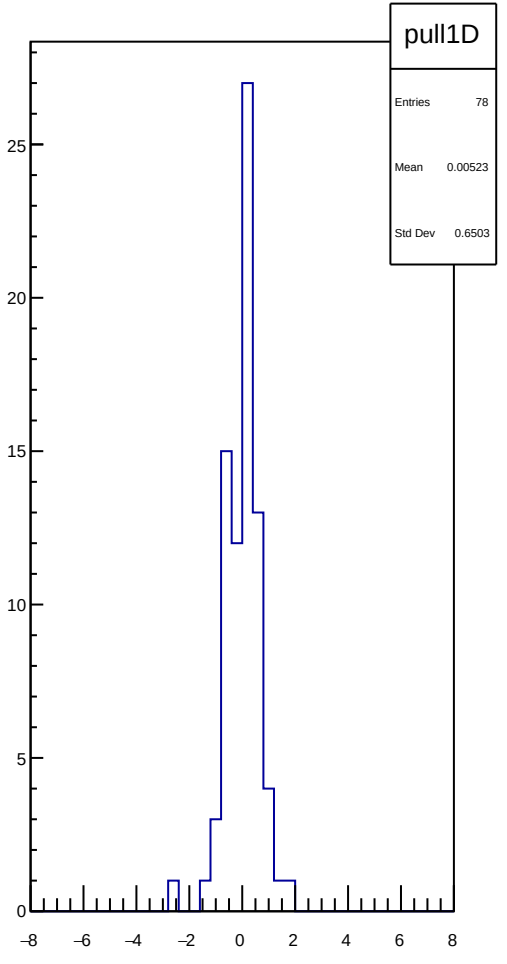

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.25 / 77
p0 23.24 ± 2.284
pull
Entries 78
Mean −59.83
Std Dev 66.31
pull1D
Entries 78
Mean −0.004545
Std Dev 0.4121

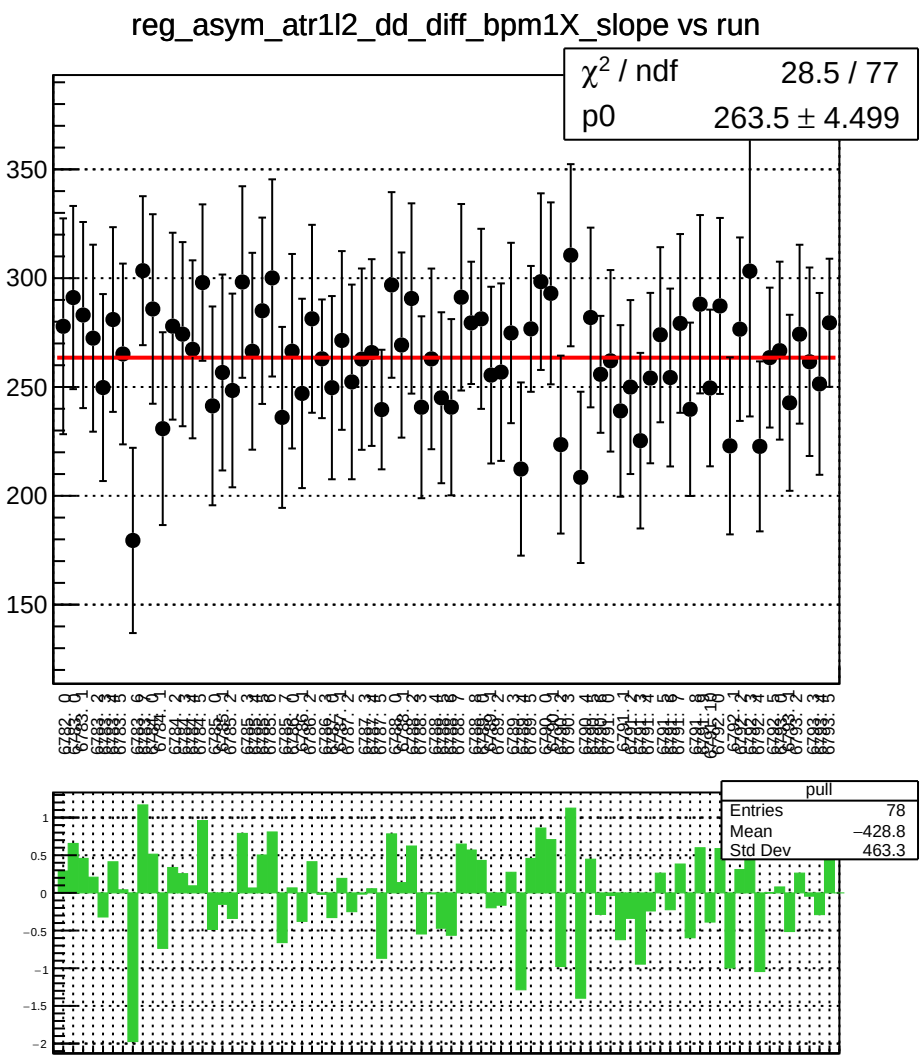

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.91 / 77
p0 228.5 ± 4.499
pull
Entries 78
Mean −27.34
Std Dev 40.72
pull1D
Entries 78
Mean 0.01265
Std Dev 0.5176

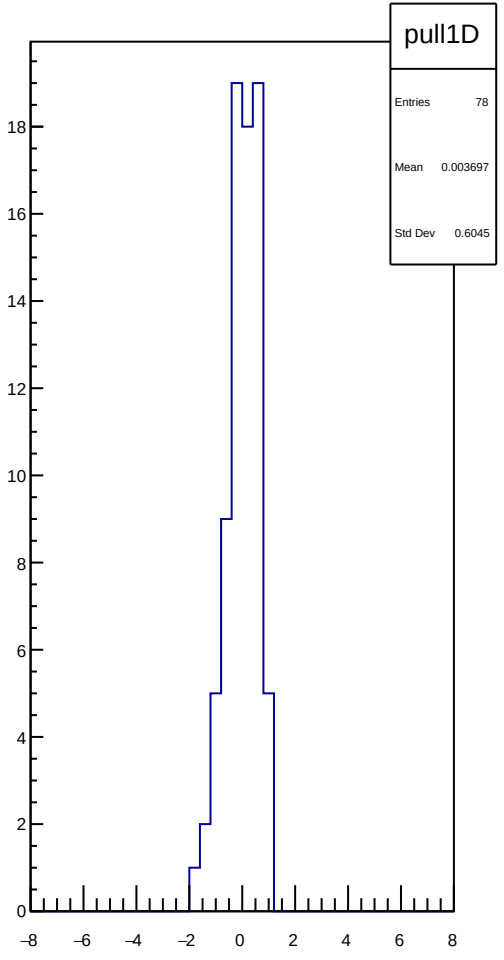

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.02 / 77
p0 35.67 ± 3.149
pull
Entries 78
Mean −102.8
Std Dev 119.8

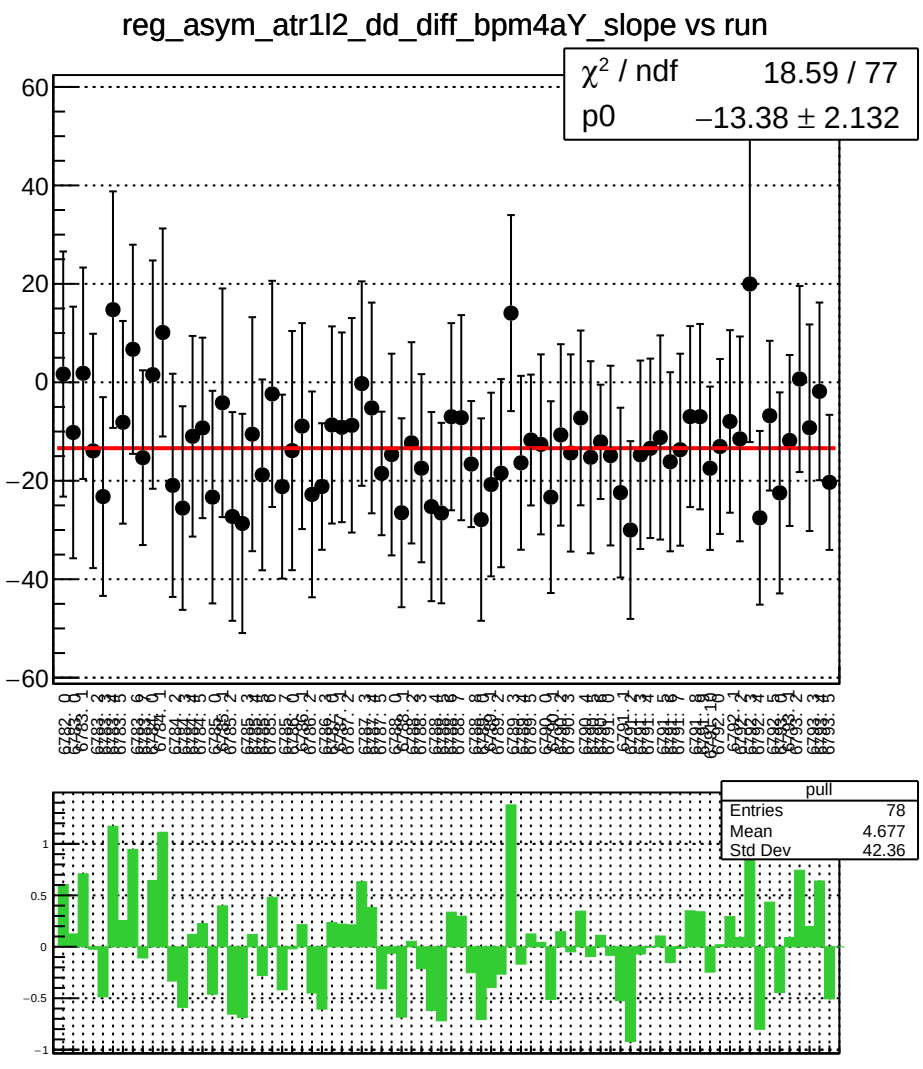

pull1D
Entries 78
Mean 0.004737
Std Dev 0.4085

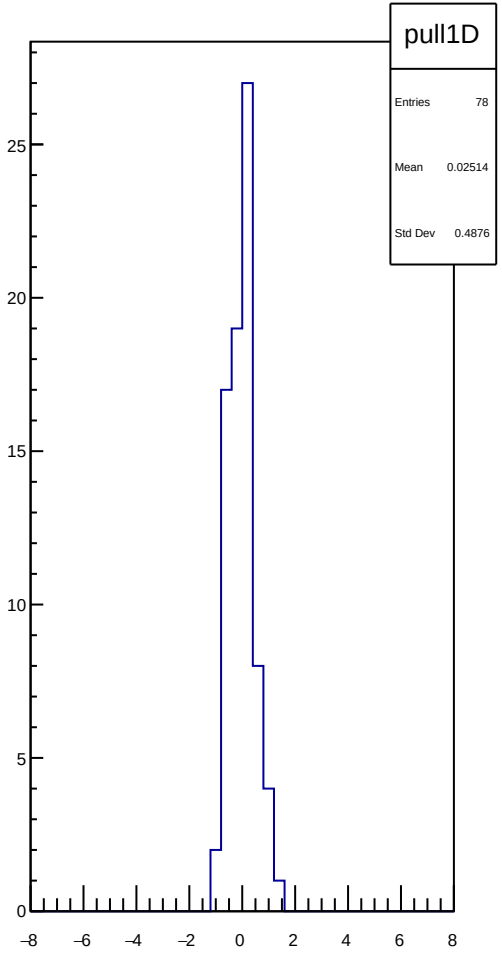

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 32.99 / 77
p0 −152 ± 0.2119
−146
−148
−150
−152
−154
−156
−158
−160
pull
Entries 78
Mean 122.6
Std Dev 72.43
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

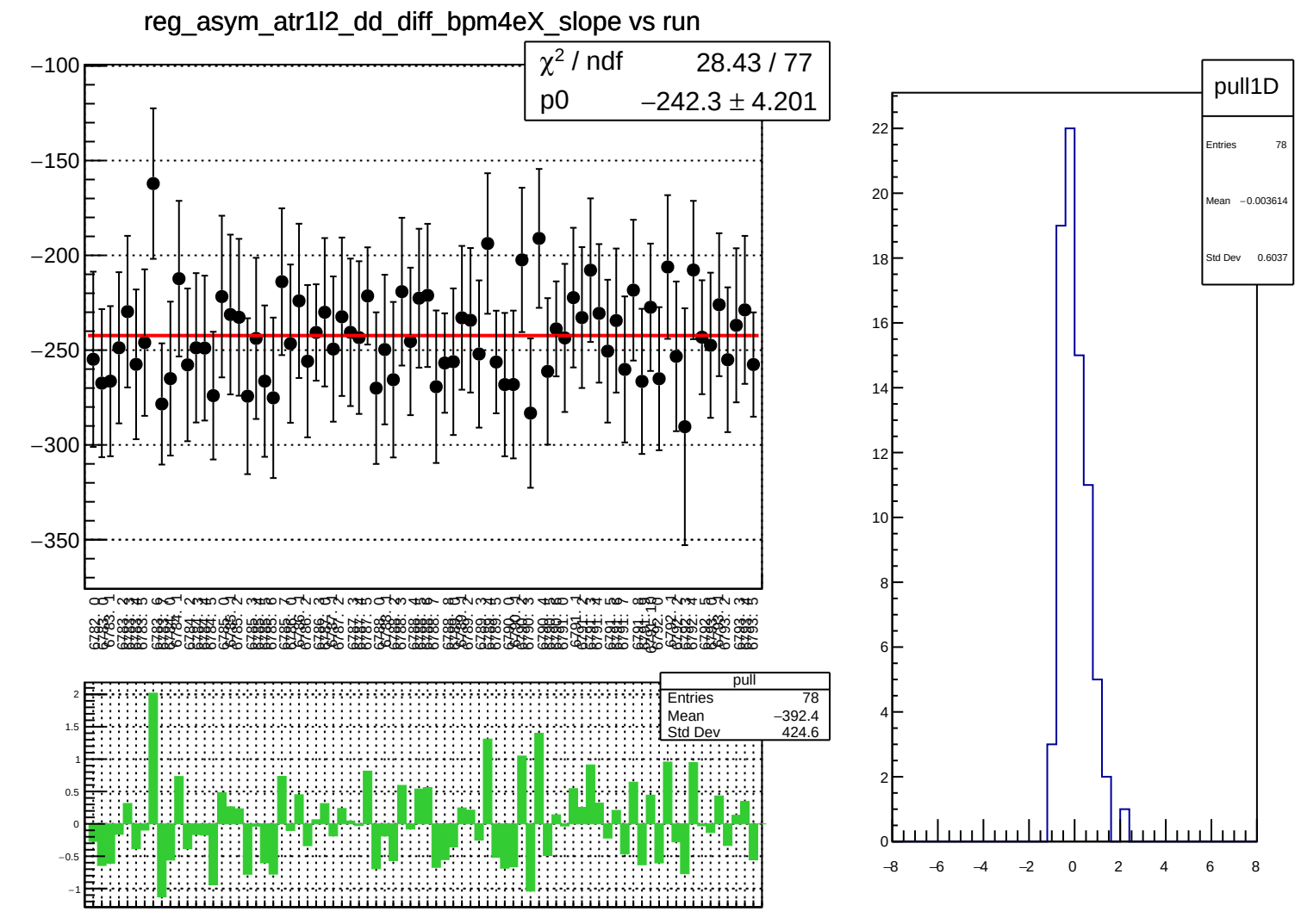

pull1D
Entries 78
Mean 0.00523
Std Dev 0.6503
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

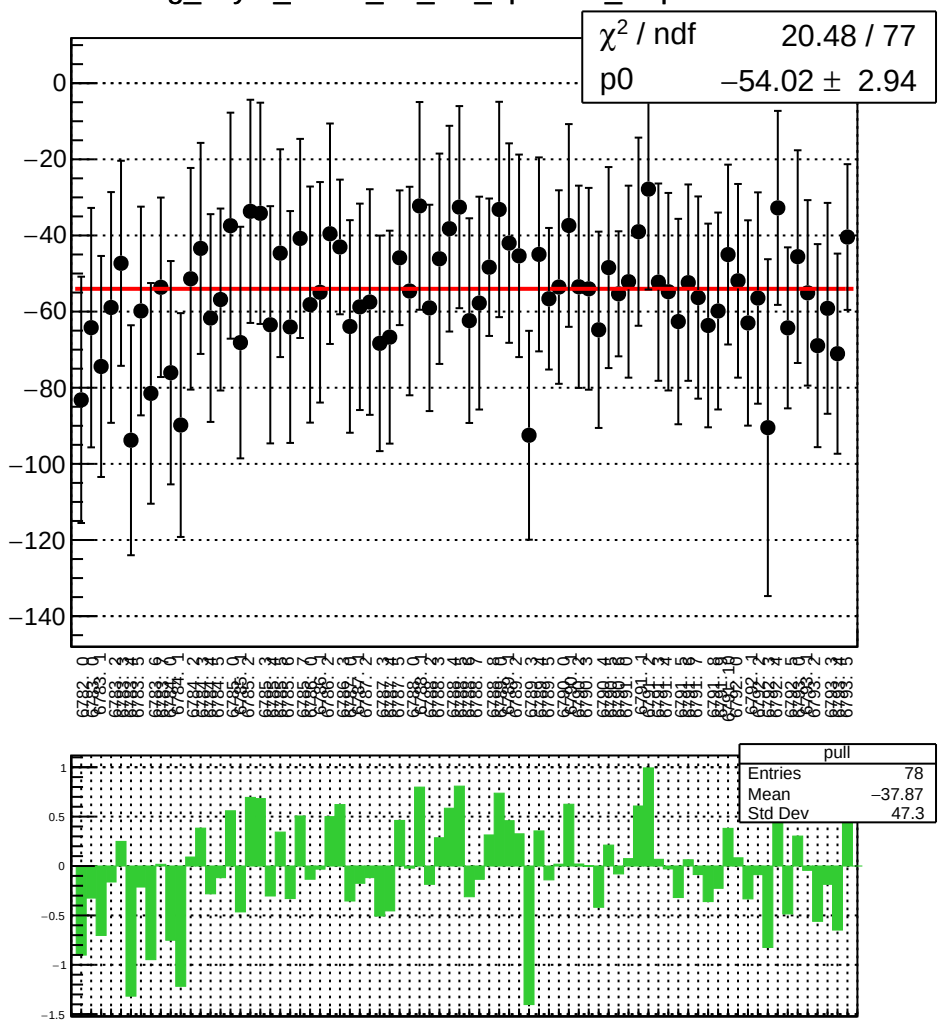

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 28.5 / 77
p0 263.5 ± 4.499
350
300
250
200
150
pull
Entries 78
Mean −428.8
Std Dev 463.3
1
0.5
0
−0.5
−1
−1.5
−2

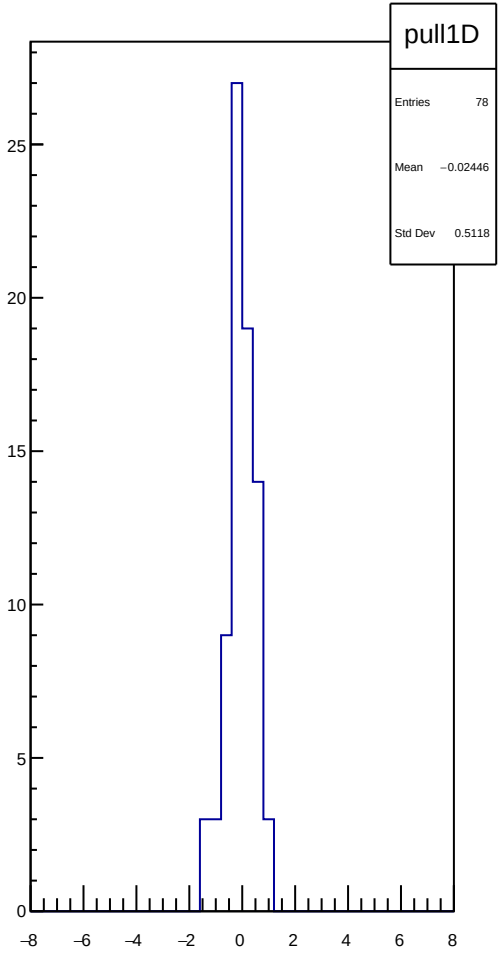

pull1D
Entries 78
Mean 0.003697
Std Dev 0.6045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

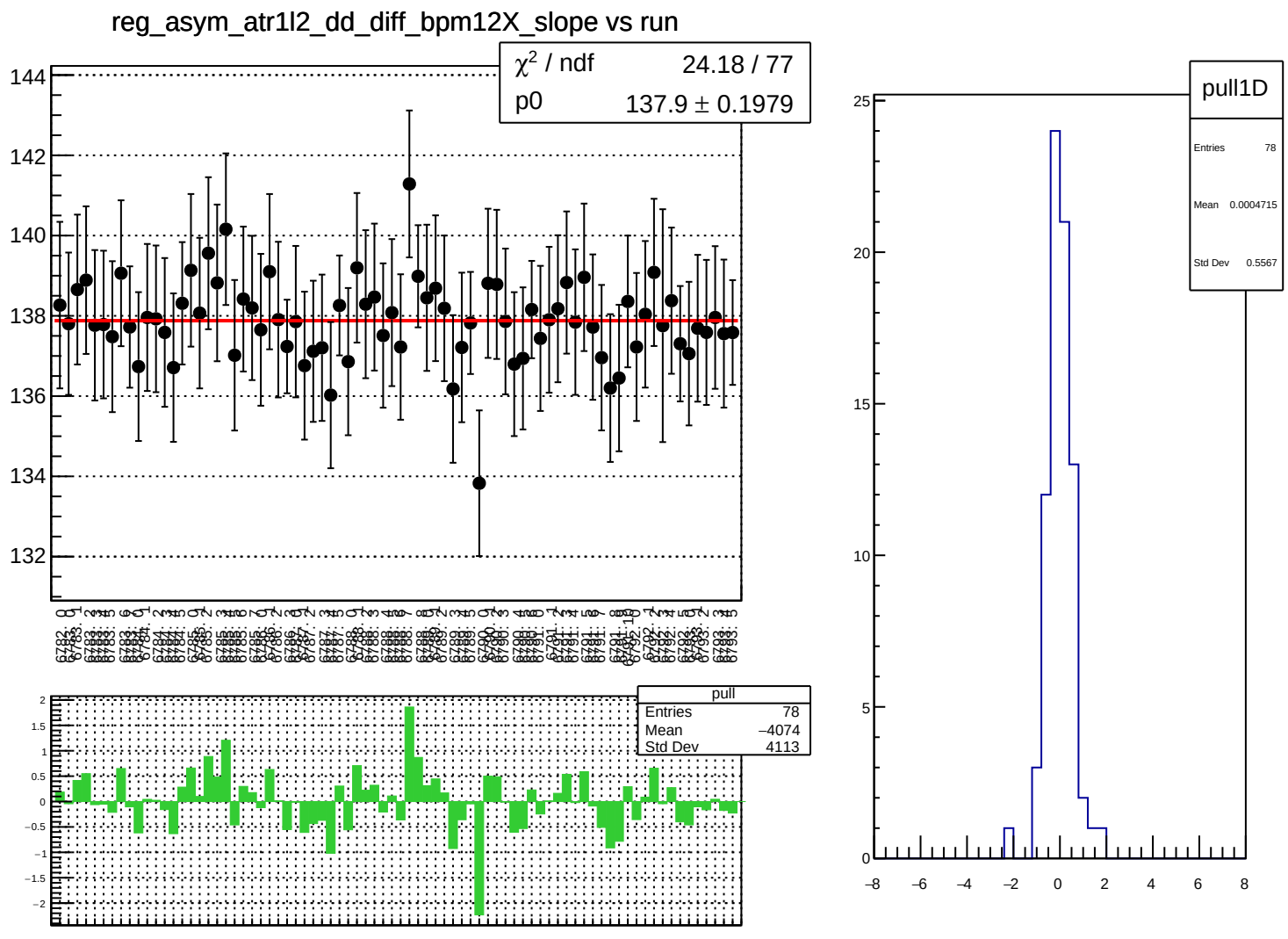

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.59 / 77
p0 −13.38 ± 2.132
pull
Entries 78
Mean 4.677
Std Dev 42.36

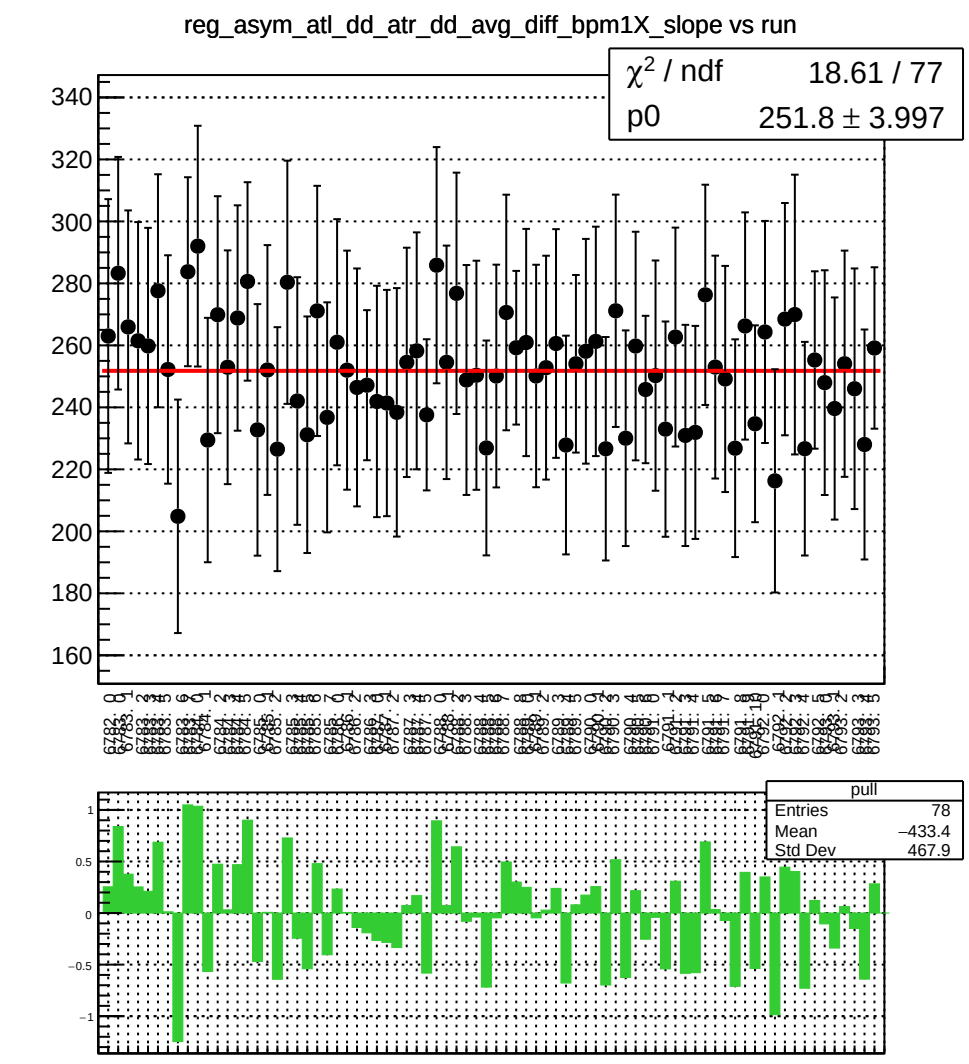

pull1D
Entries 78
Mean 0.02514
Std Dev 0.4876

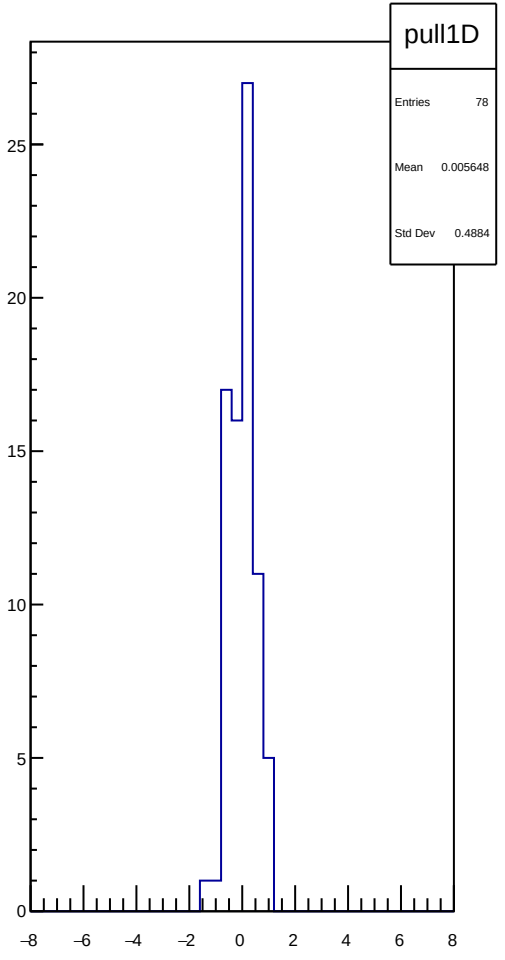

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.43 / 77
p0 −242.3 ± 4.201
pull
Entries 78
Mean −392.4
Std Dev 424.6
pull1D
Entries 78
Mean −0.003614
Std Dev 0.6037

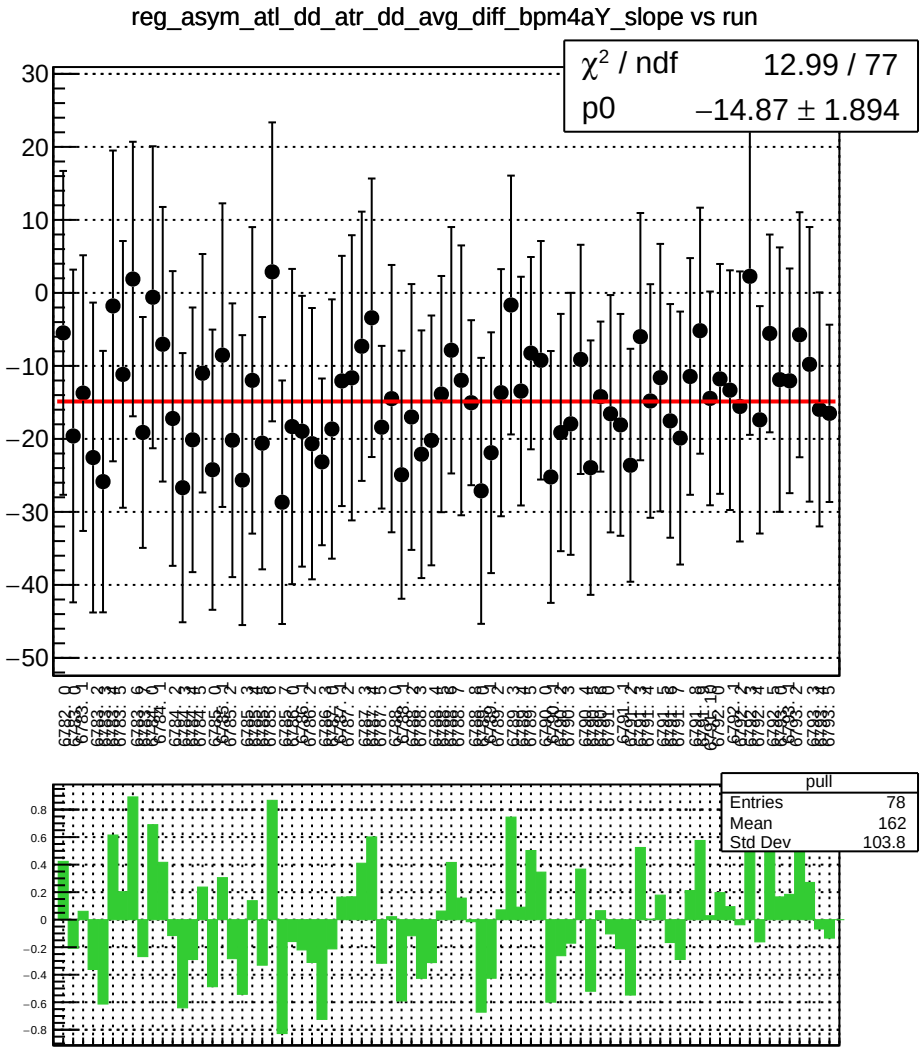

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.48 / 77
p0 −54.02 ± 2.94
pull
Entries 78
Mean −37.87
Std Dev 47.3

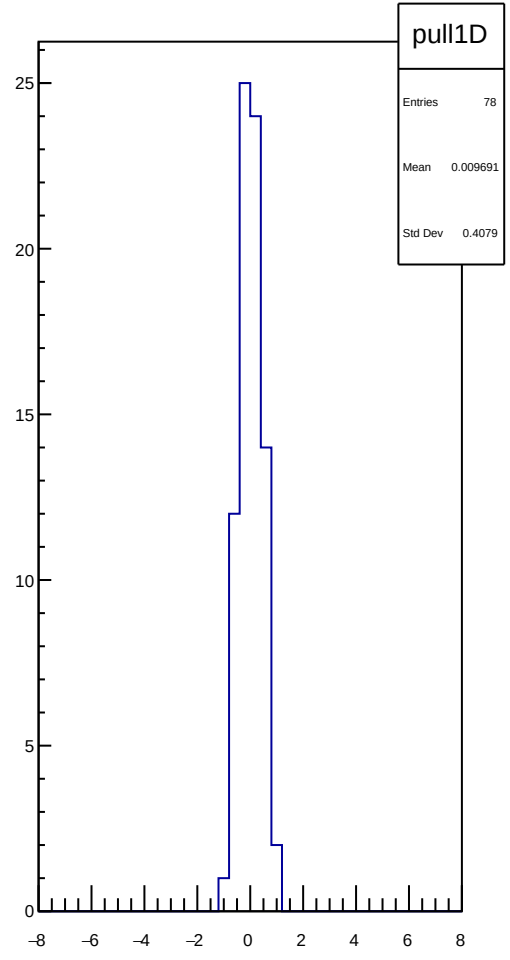

pull1D
Entries 78
Mean −0.02446
Std Dev 0.5118


reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 24.18 / 77
p0 137.9 ± 0.1979
144
142
140
138
136
134
132
pull
Entries 78
Mean −4074
Std Dev 4113
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.0004715
Std Dev 0.5567
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

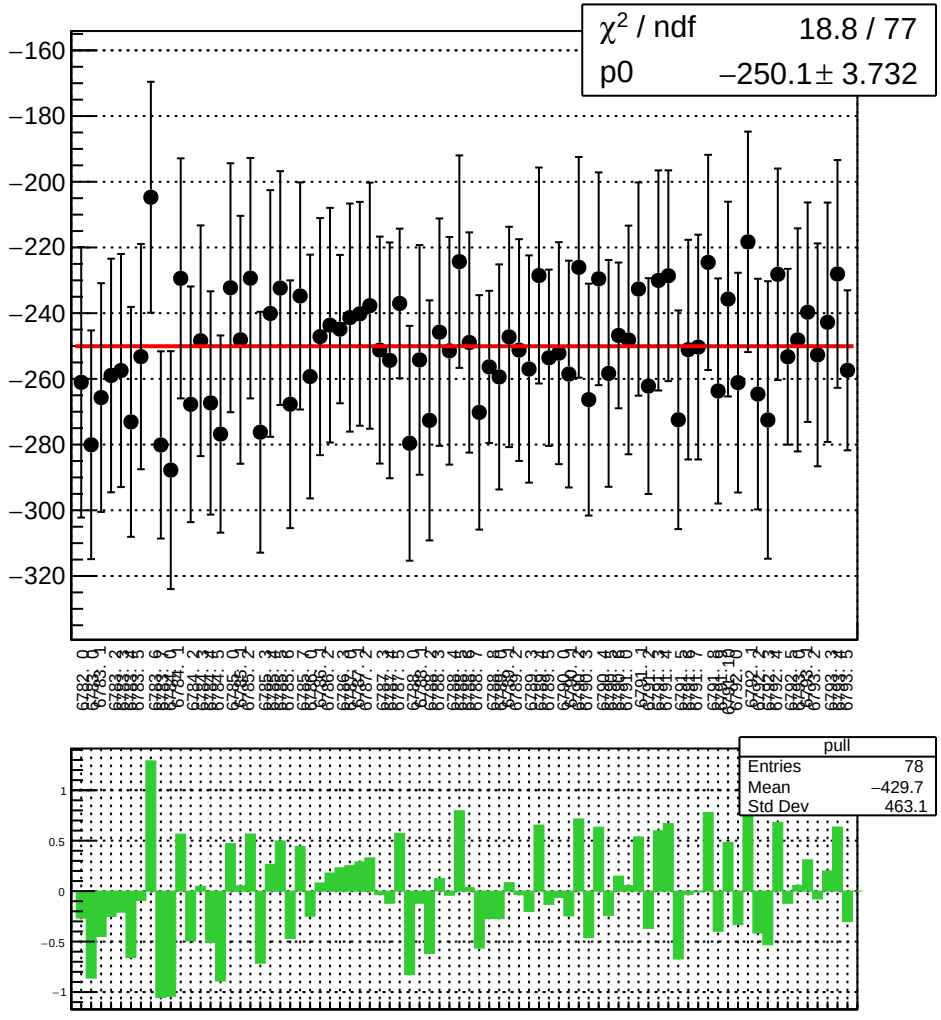

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.61 / 77
p0 251.8 ± 3.997
pull
Entries 78
Mean −433.4
Std Dev 467.9

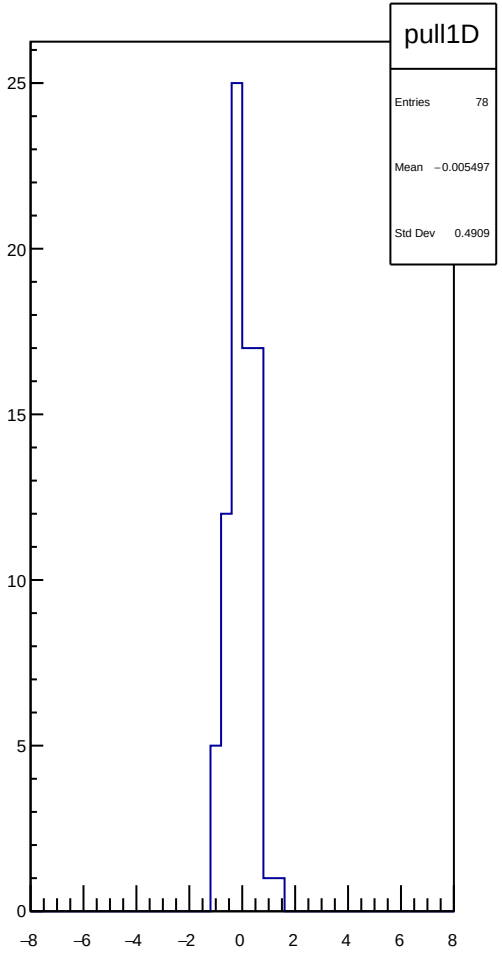

pull1D
Entries 78
Mean 0.005648
Std Dev 0.4884

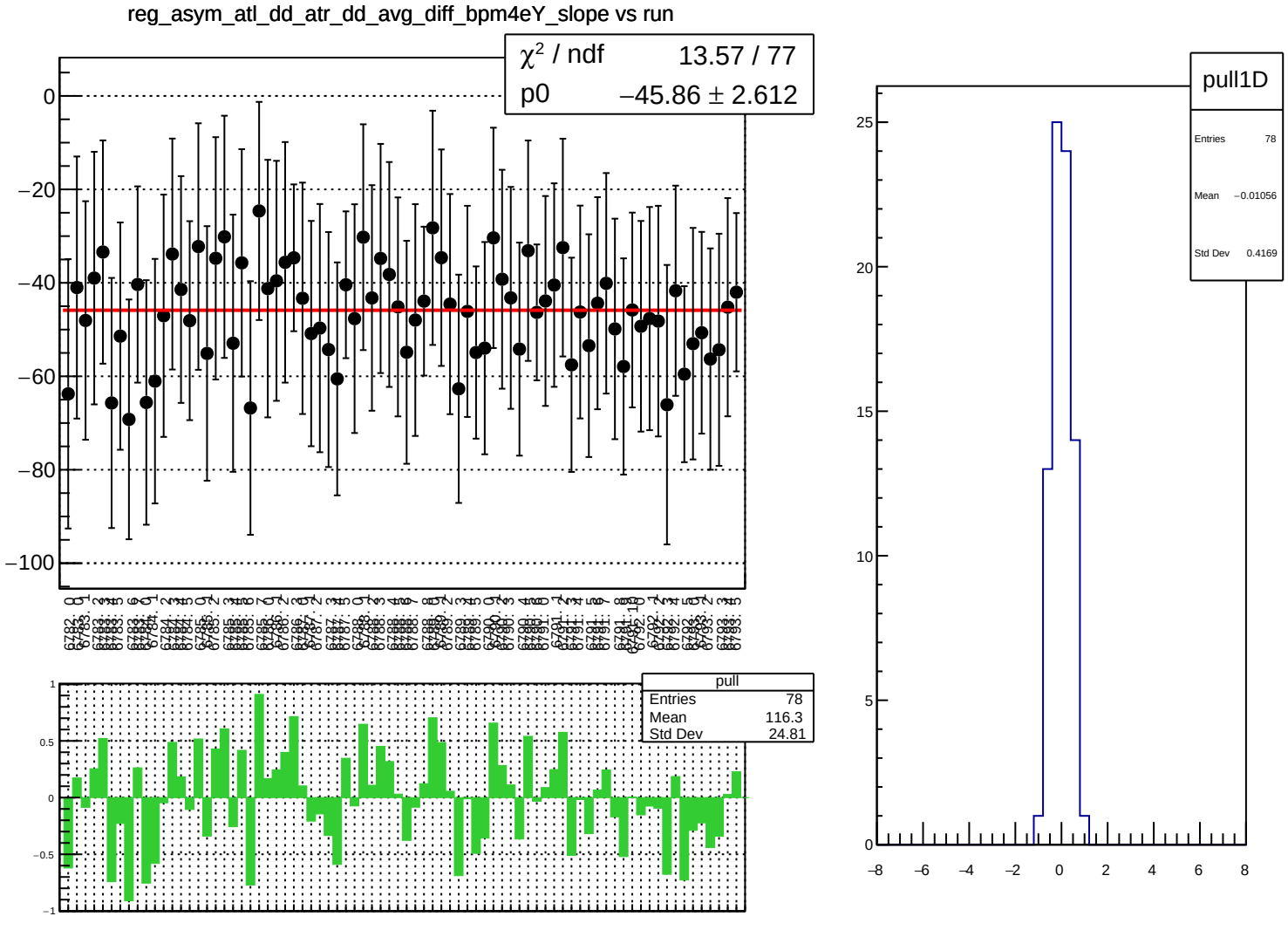

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 77
p0 −14.87 ± 1.894
pull
Entries 78
Mean 162
Std Dev 103.8

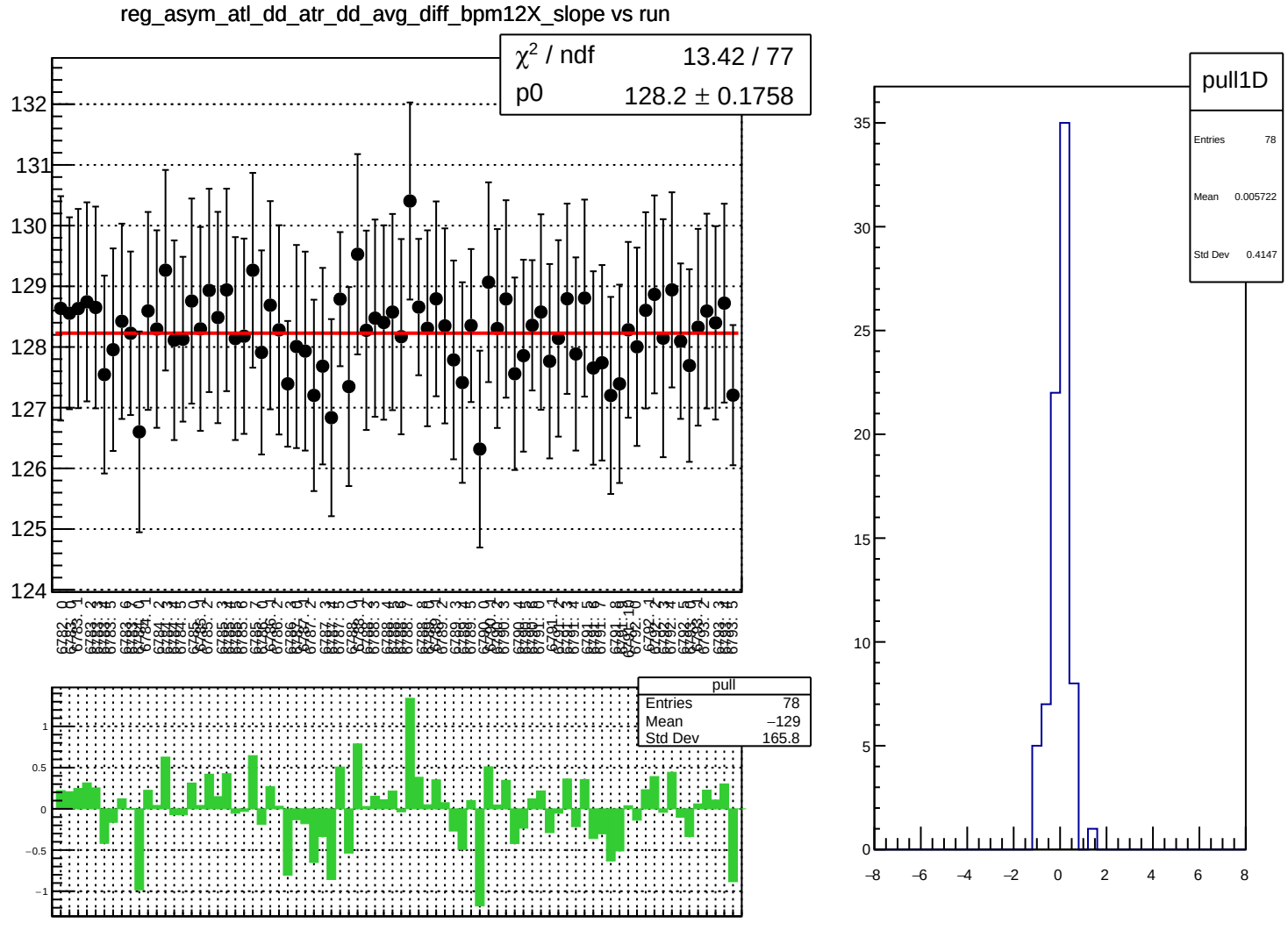

pull1D
Entries 78
Mean 0.009691
Std Dev 0.4079

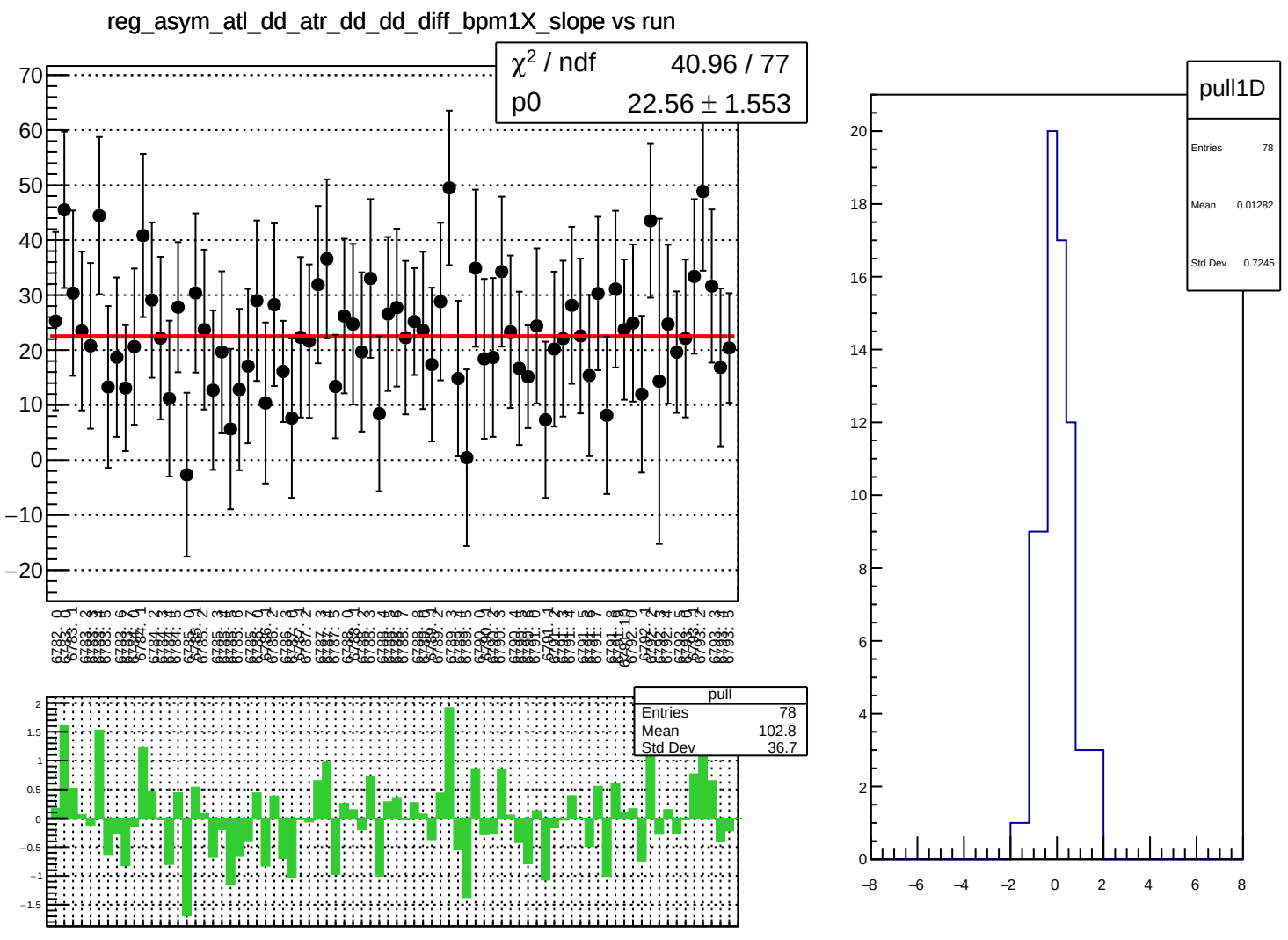
reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run

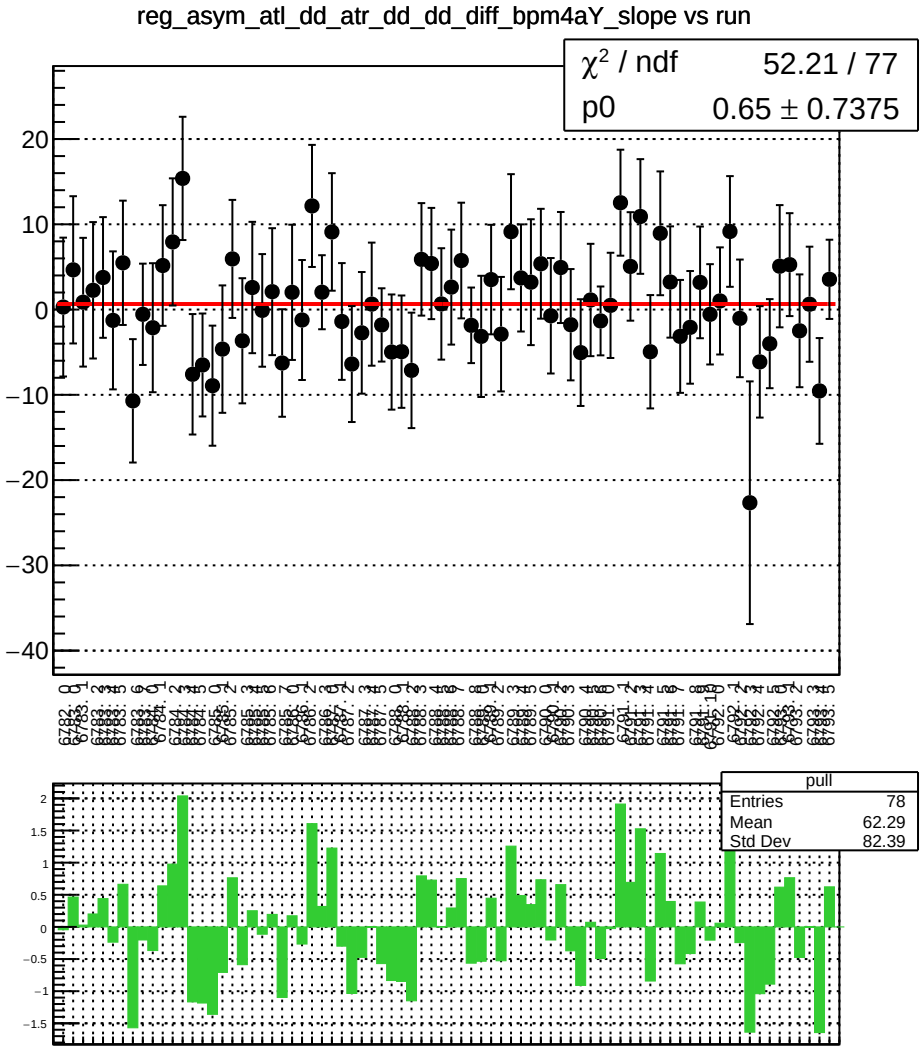


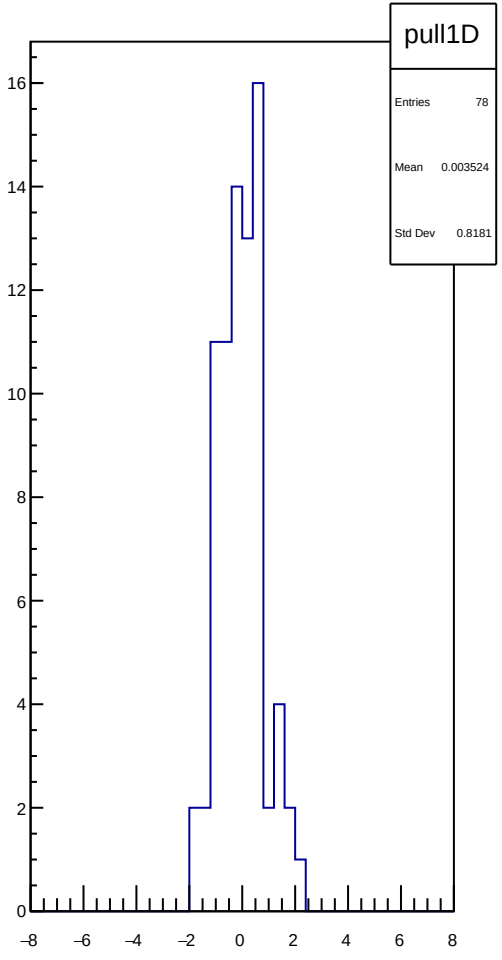


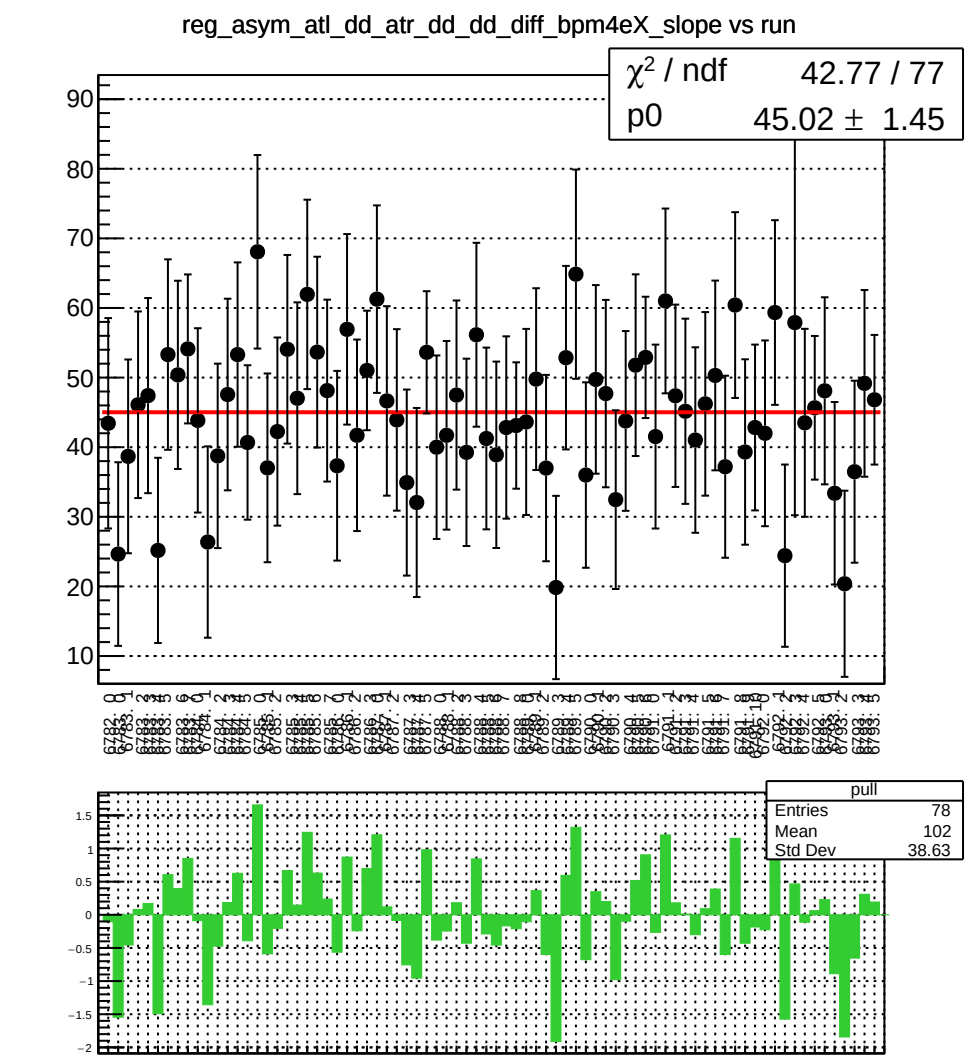

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 77
p0 −45.86 ± 2.612
pull
Entries 78
Mean 116.3
Std Dev 24.81
pull1D
Entries 78
Mean −0.01056
Std Dev 0.4169

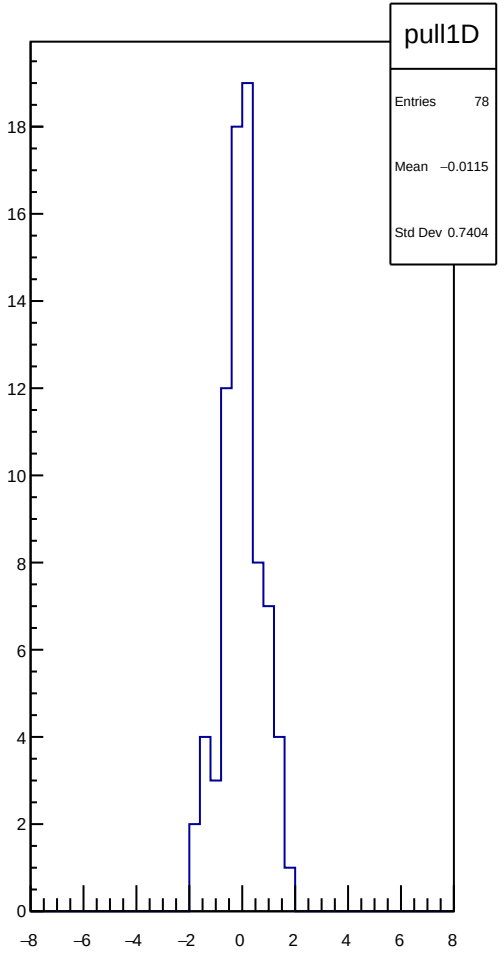

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.42 / 77
p0 128.2 ± 0.1758
pull
Entries 78
Mean −129
Std Dev 165.8
pull1D
Entries 78
Mean 0.005722
Std Dev 0.4147

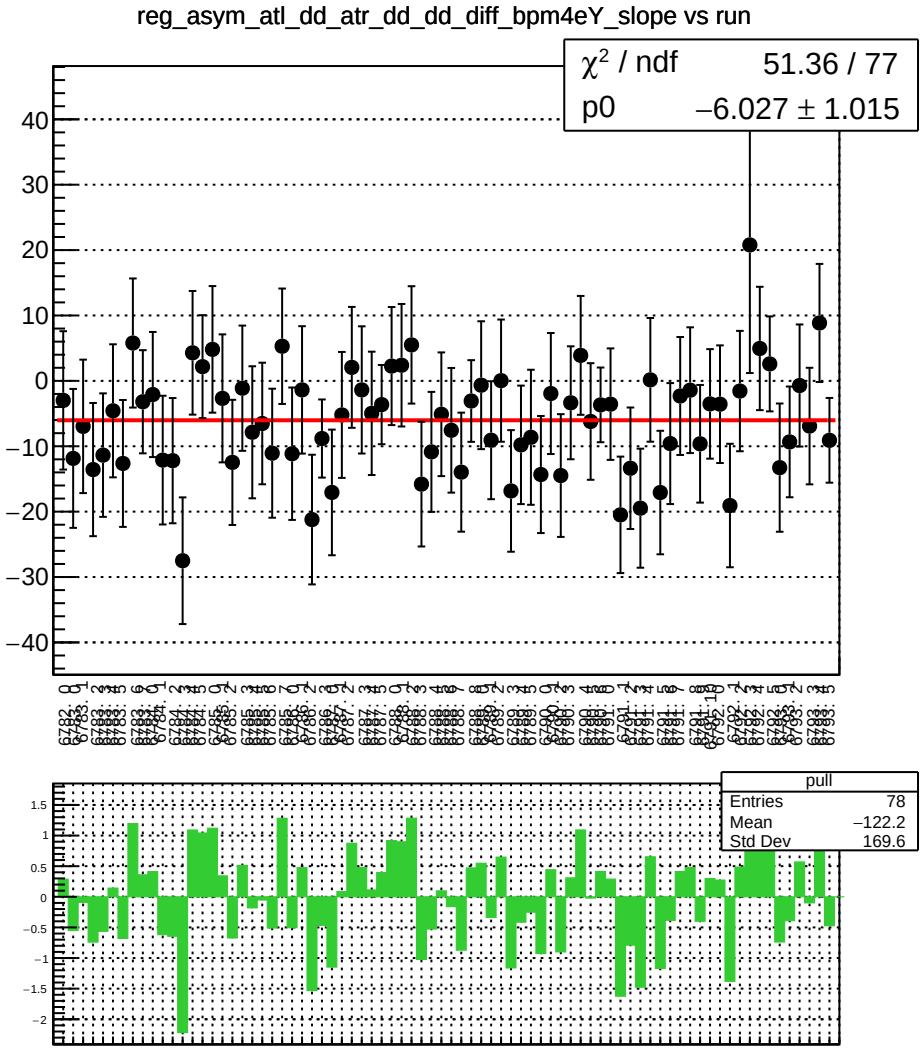

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 40.96 / 77
p0 22.56 ± 1.553
pull
Entries 78
Mean 102.8
Std Dev 36.7
pull1D
Entries 78
Mean 0.01282
Std Dev 0.7245

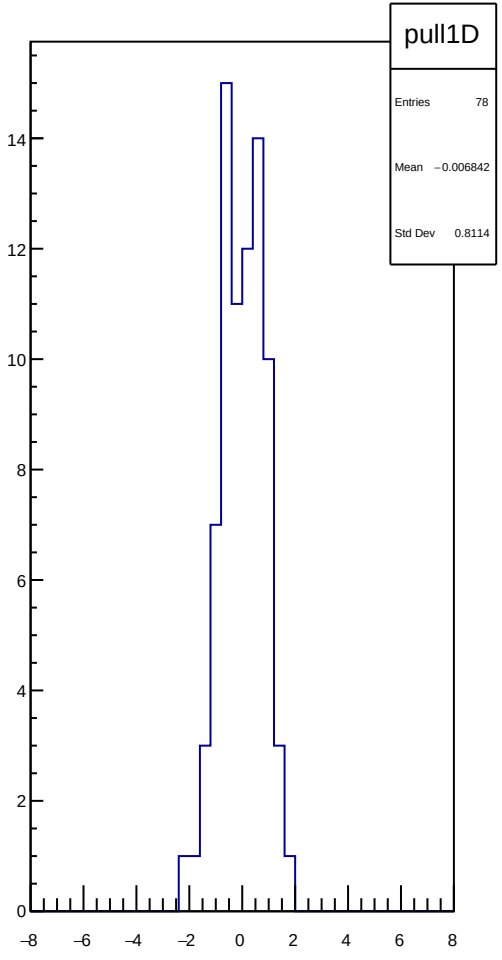

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.21 / 77
p0 0.65 ± 0.7375
pull
Entries 78
Mean 62.29
Std Dev 82.39

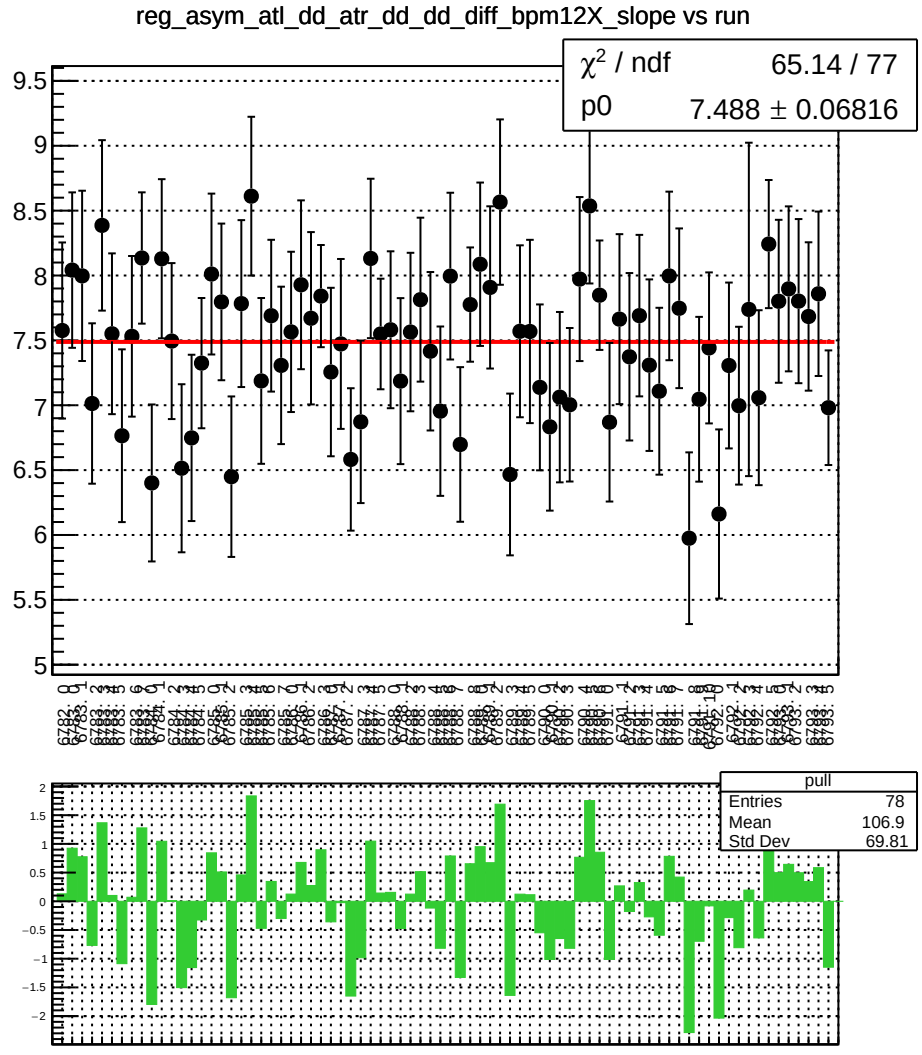

pull1D
Entries 78
Mean 0.003524
Std Dev 0.8181

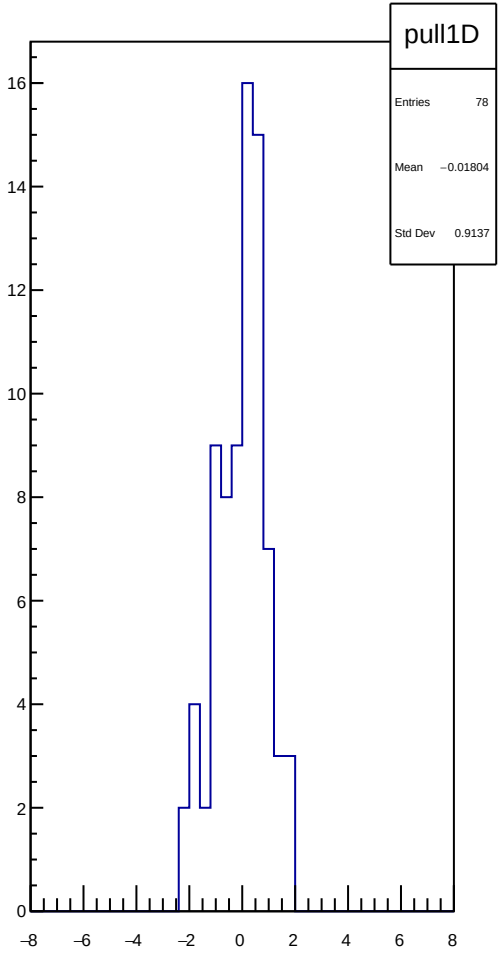

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.77 / 77
p0 45.02 ± 1.45
pull
Entries 78
Mean 102
Std Dev 38.63

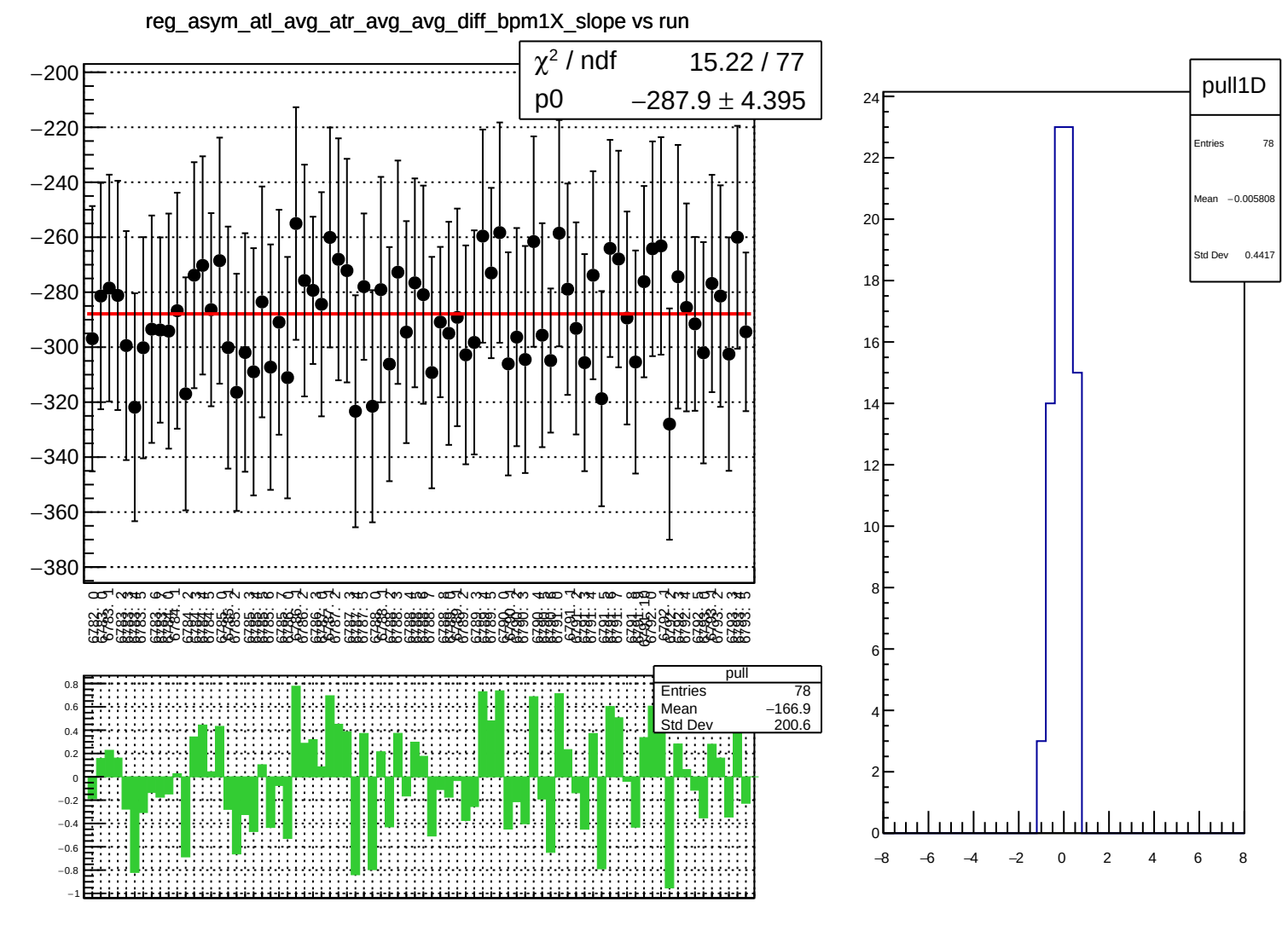

pull1D
Entries 78
Mean −0.0115
Std Dev 0.7404

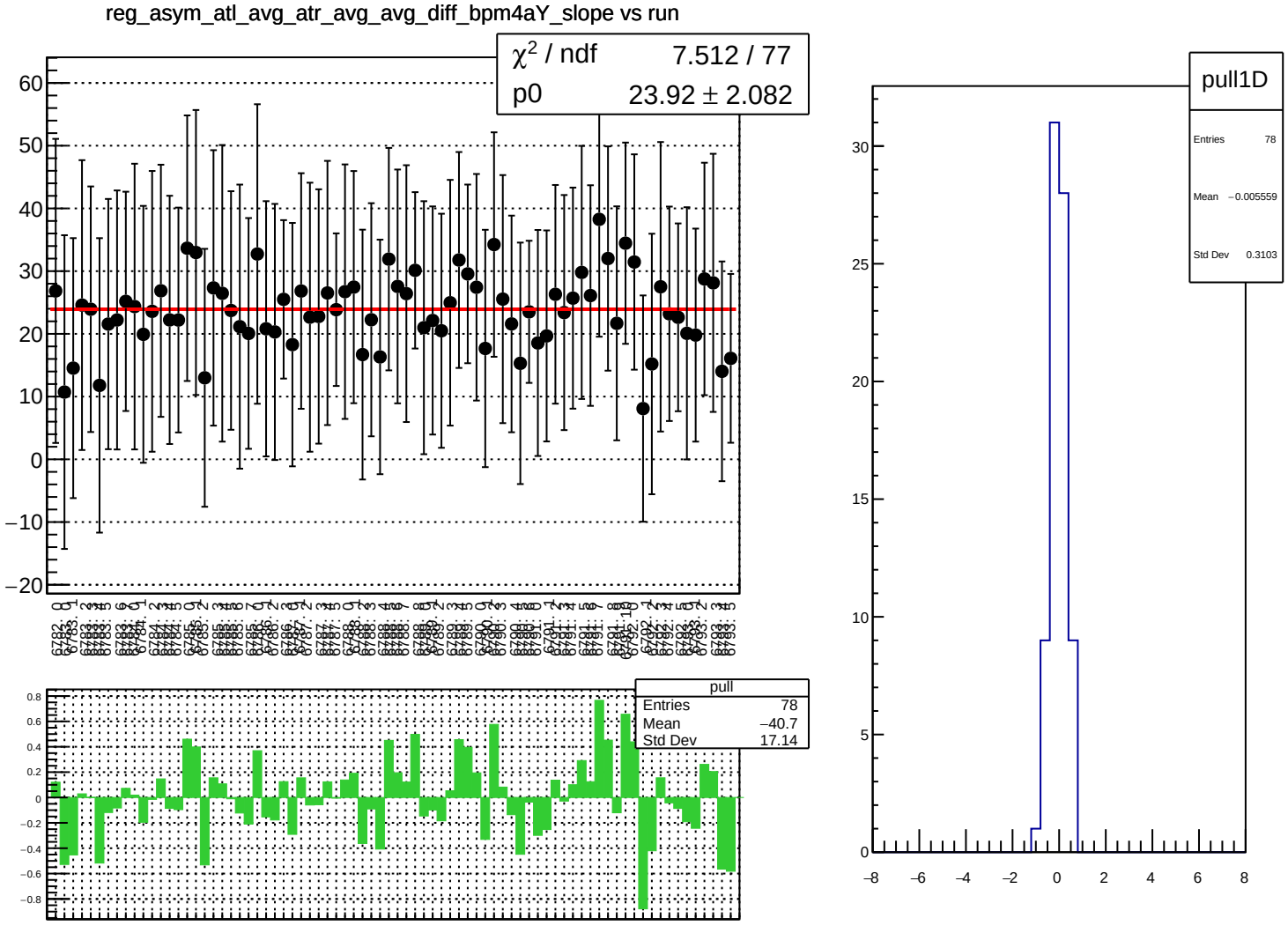

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.36 / 77
p0 −6.027 ± 1.015
pull
Entries 78
Mean −122.2
Std Dev 169.6

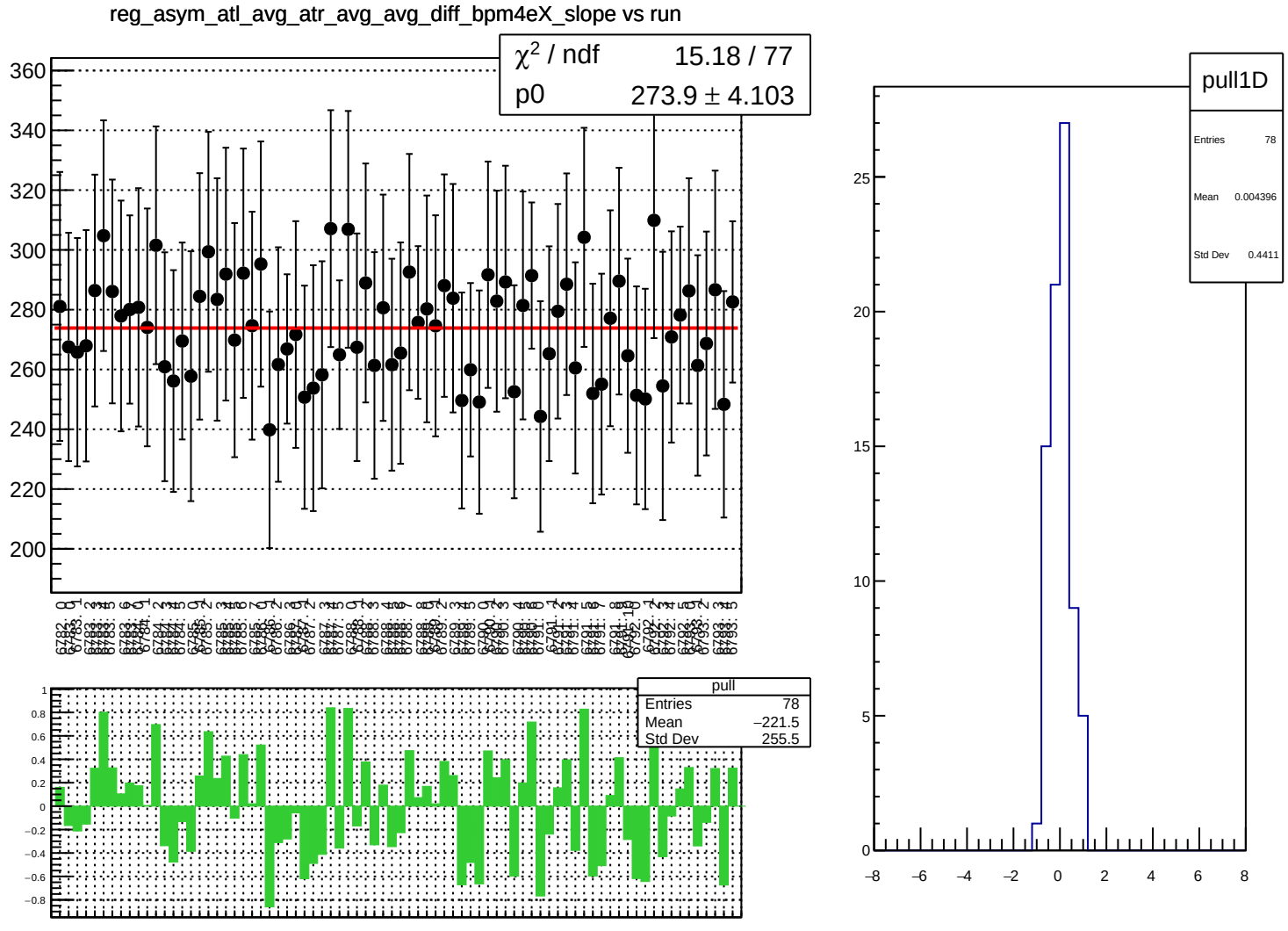

pull1D
Entries 78
Mean −0.006842
Std Dev 0.8114

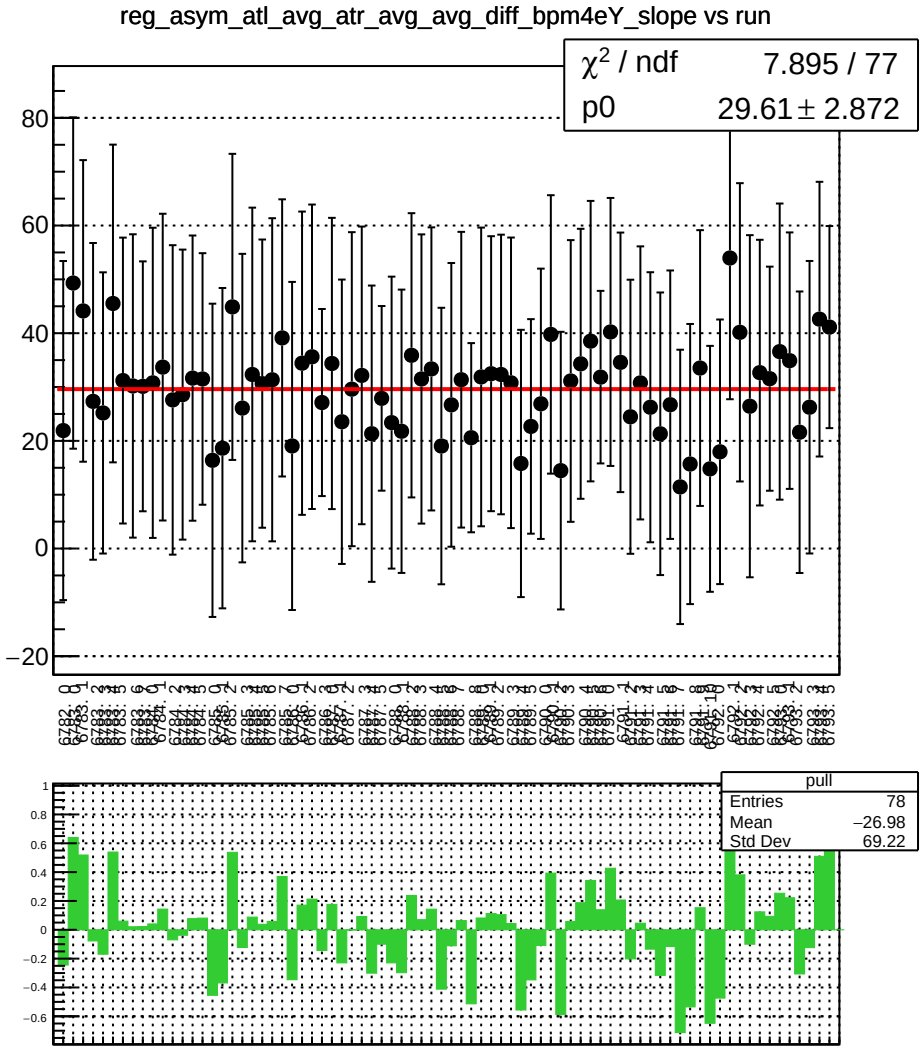

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 65.14 / 77
p0 7.488 ± 0.06816
pull
Entries 78
Mean 106.9
Std Dev 69.81

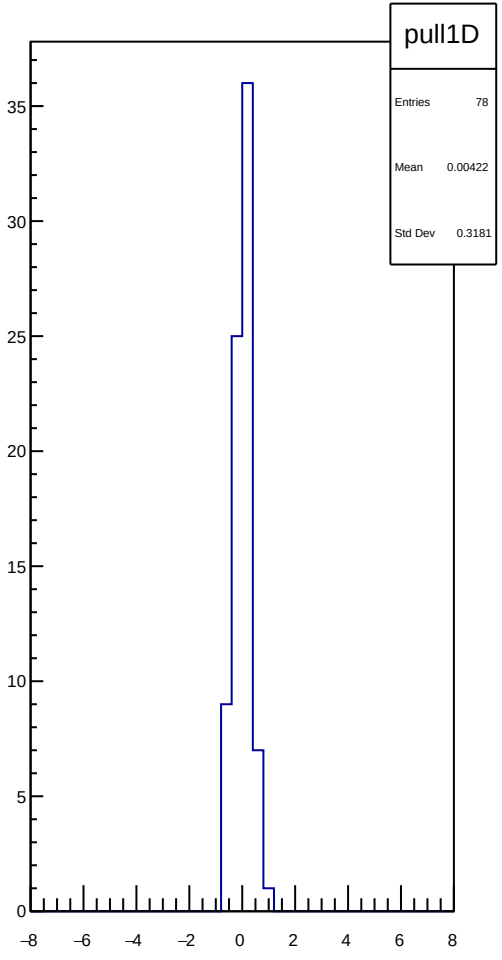

pull1D
Entries 78
Mean −0.01804
Std Dev 0.9137

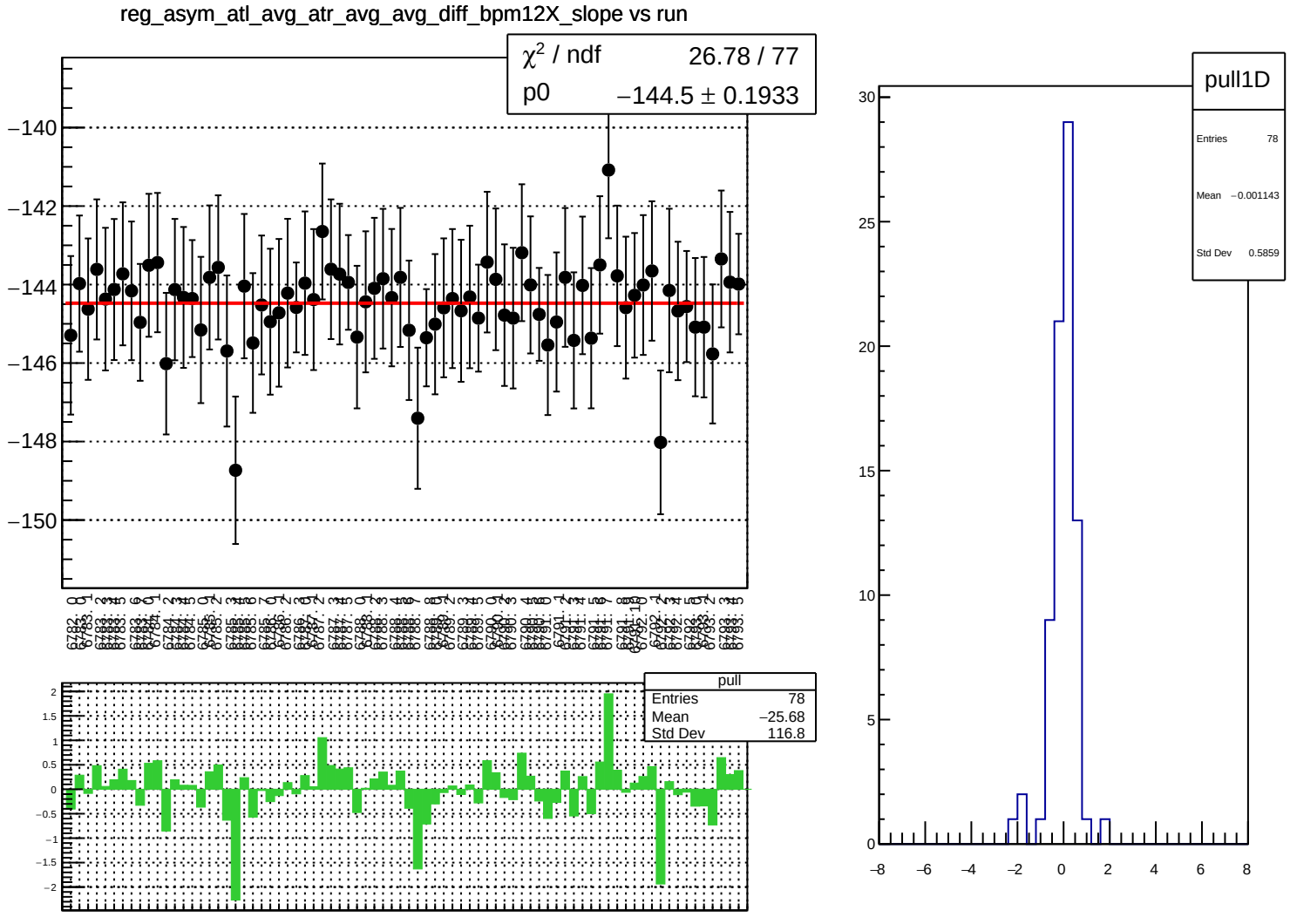

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 15.22 / 77
p0 −287.9 ± 4.395
pull
Entries 78
Mean −166.9
Std Dev 200.6
pull1D
Entries 78
Mean −0.005808
Std Dev 0.4417

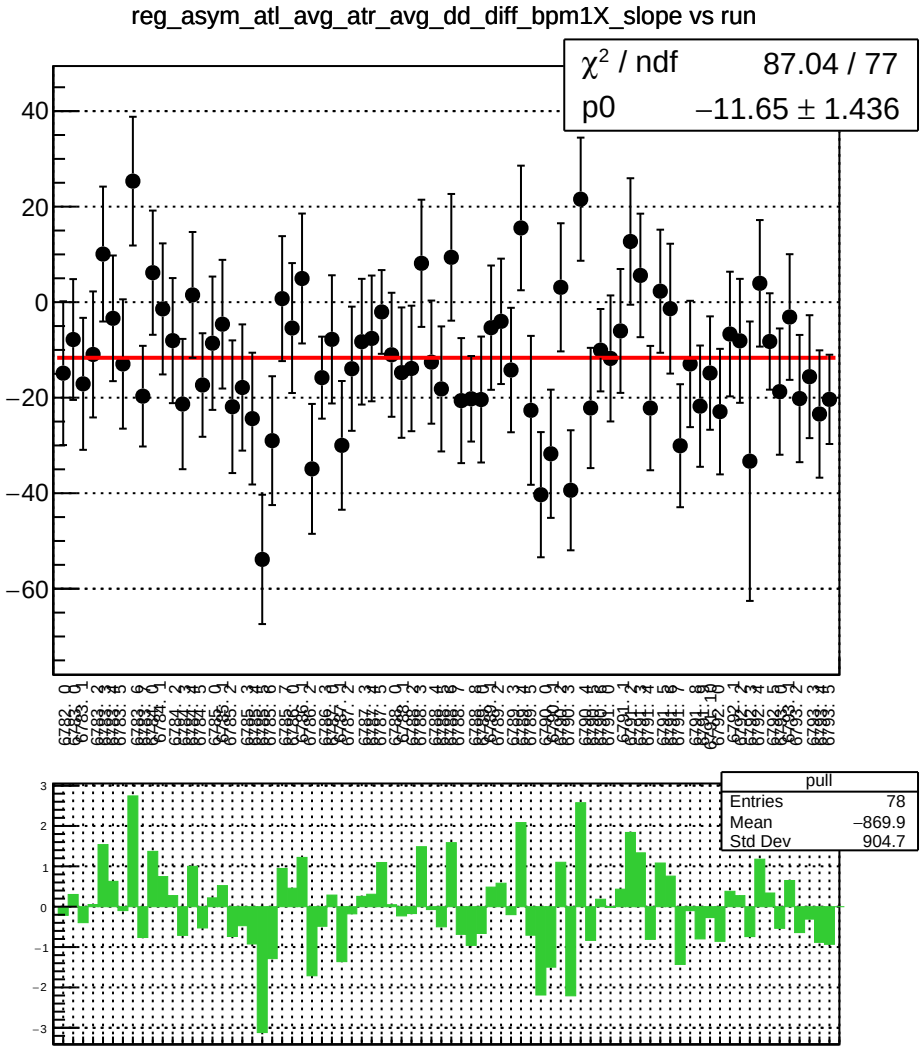

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.512 / 77
p0 23.92 ± 2.082
pull
Entries 78
Mean −40.7
Std Dev 17.14
pull1D
Entries 78
Mean −0.005559
Std Dev 0.3103

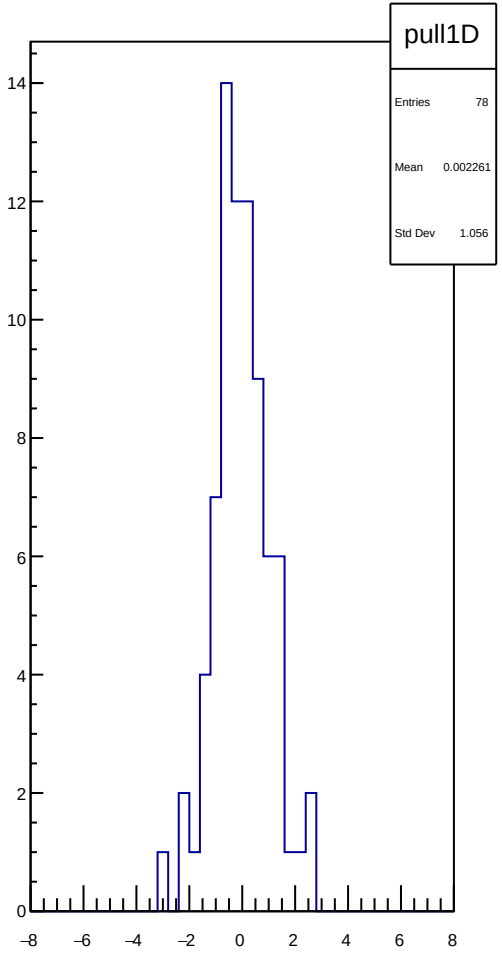

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.18 / 77
p0 273.9 ± 4.103
pull
Entries 78
Mean −221.5
Std Dev 255.5
pull1D
Entries 78
Mean 0.004396
Std Dev 0.4411

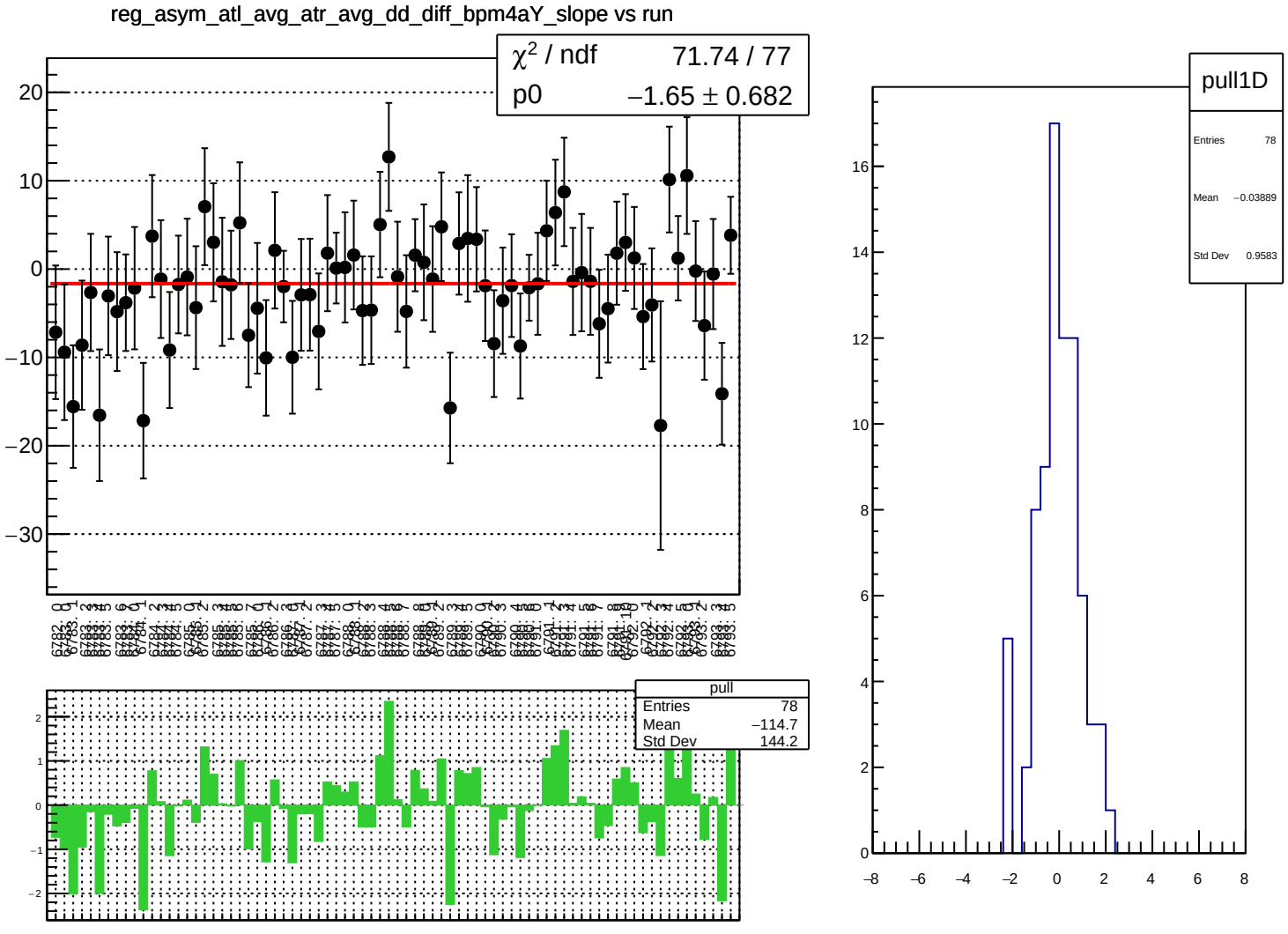

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.895 / 77
p0 29.61 ± 2.872
pull
Entries 78
Mean −26.98
Std Dev 69.22

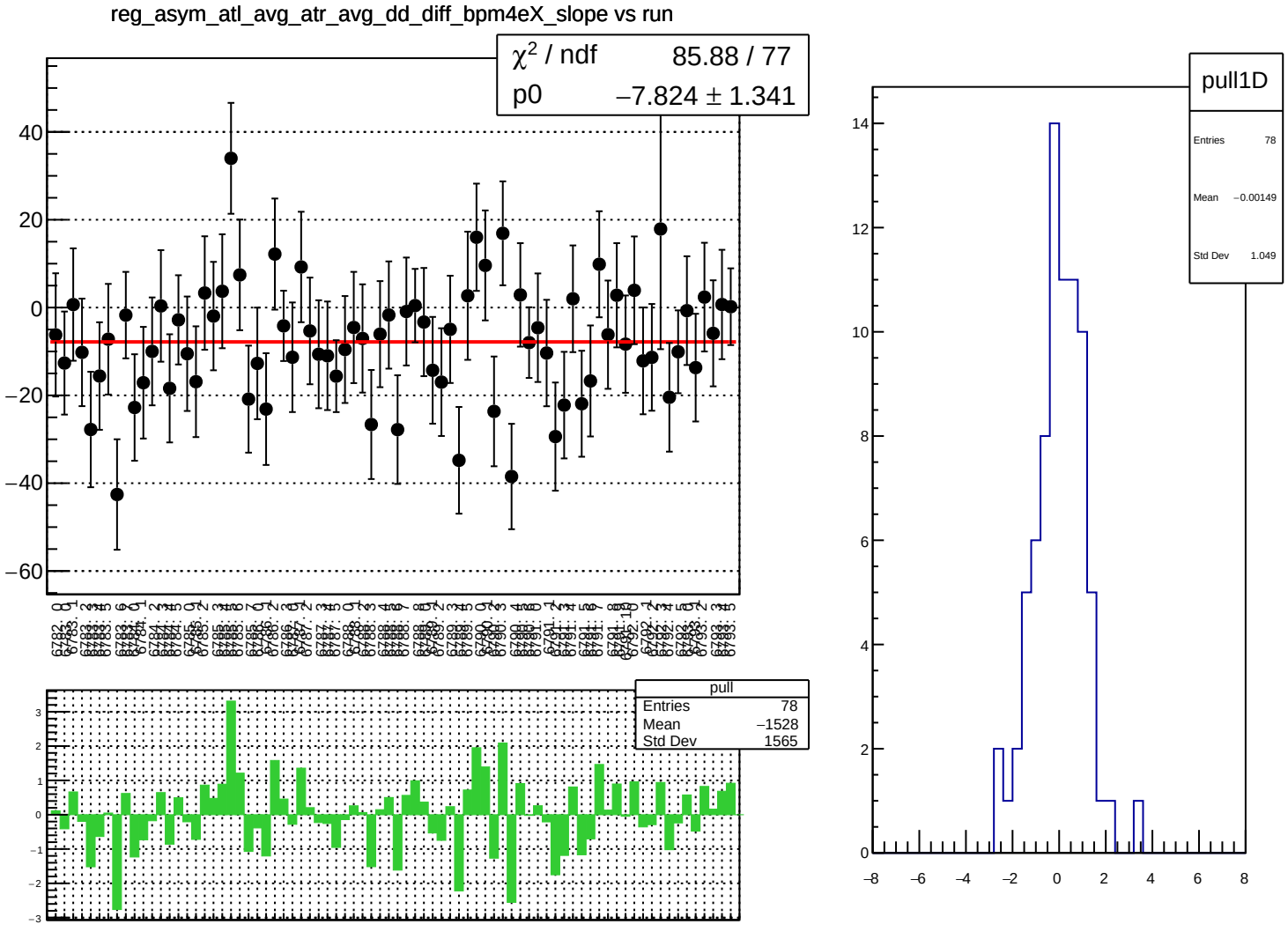

pull1D
Entries 78
Mean 0.00422
Std Dev 0.3181

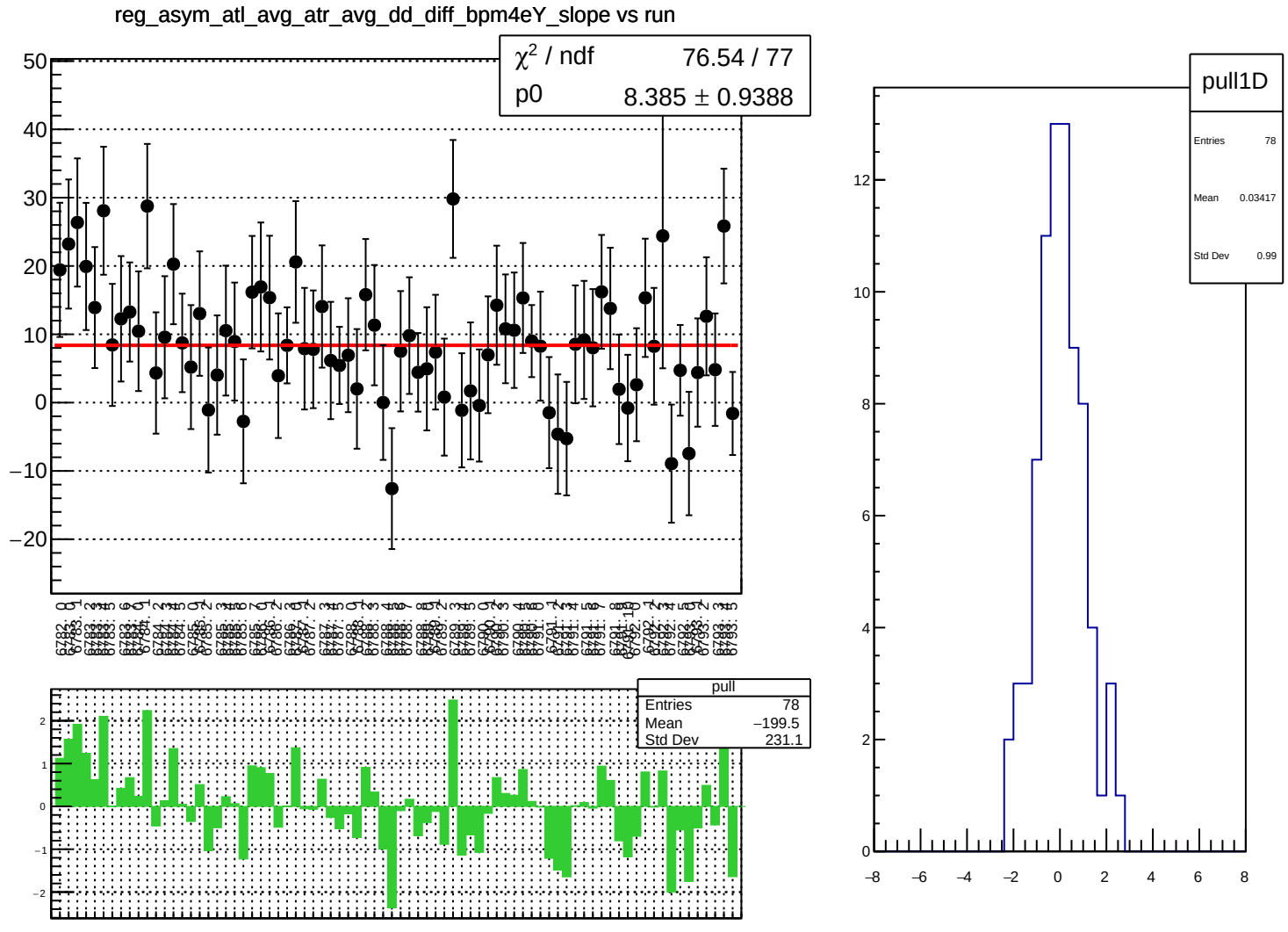

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.78 / 77
p0 −144.5 ± 0.1933
−140
−142
−144
−146
−148
−150
pull
Entries 78
Mean −25.68
Std Dev 116.8
pull1D
Entries 78
Mean −0.001143
Std Dev 0.5859

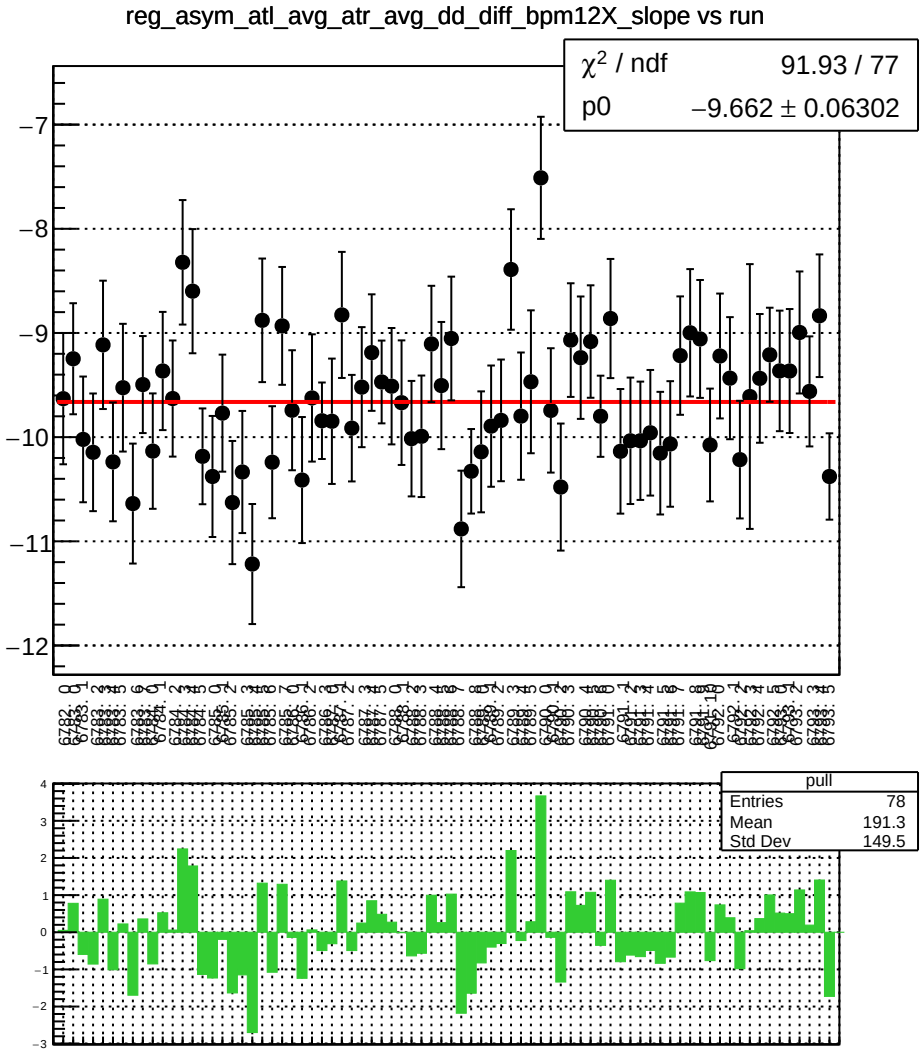

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 87.04 / 77
p0 −11.65 ± 1.436
pull
Entries 78
Mean −869.9
Std Dev 904.7

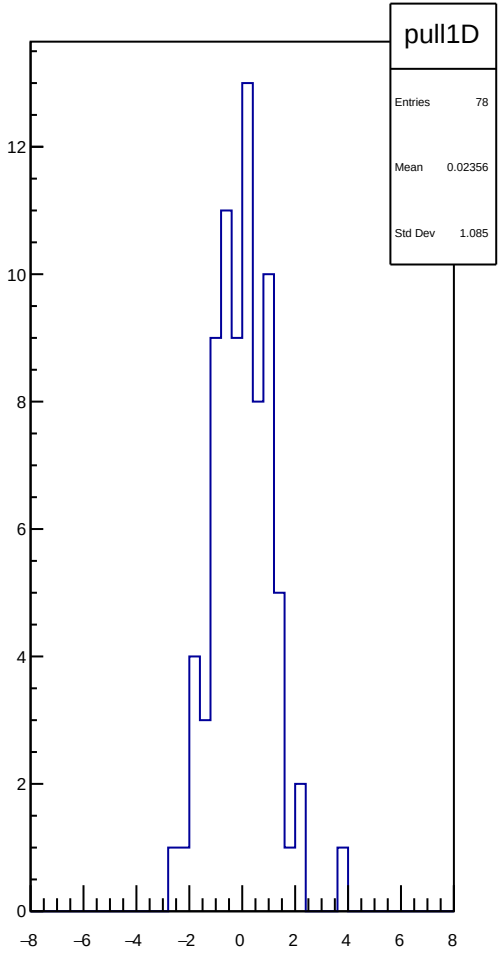

pull1D
Entries 78
Mean 0.002261
Std Dev 1.056

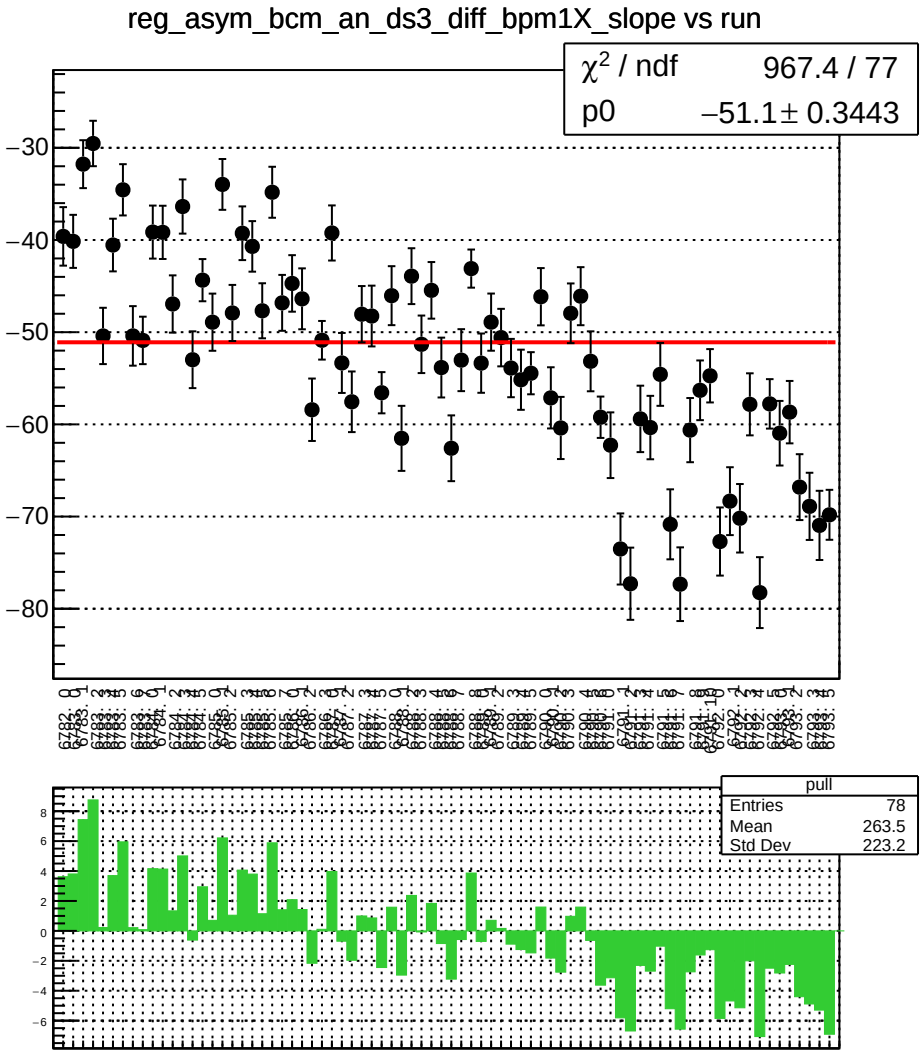

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.74 / 77
p0 −1.65 ± 0.682
pull
Entries 78
Mean −114.7
Std Dev 144.2
pull1D
Entries 78
Mean −0.03889
Std Dev 0.9583

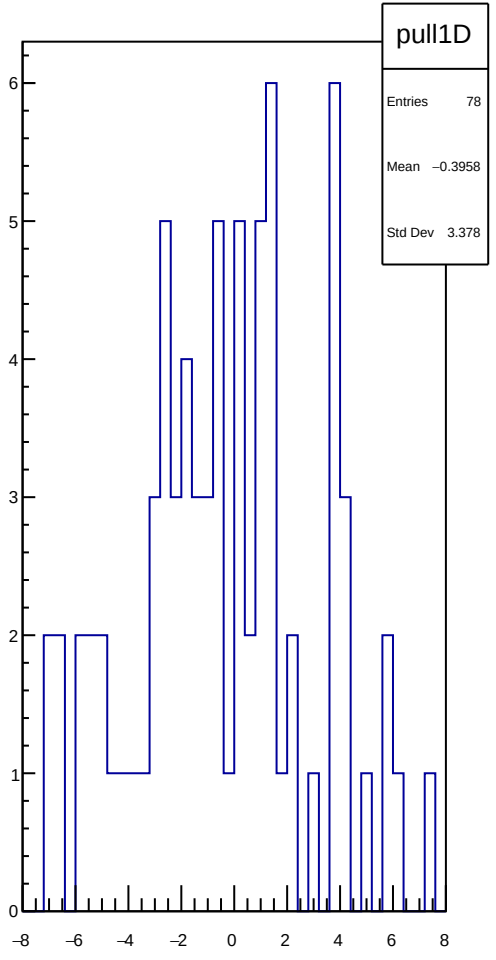

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.88 / 77
p0 −7.824 ± 1.341
pull
Entries 78
Mean −1528
Std Dev 1565
pull1D
Entries 78
Mean −0.00149
Std Dev 1.049


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.54 / 77
p0 8.385 ± 0.9388
pull
Entries 78
Mean −199.5
Std Dev 231.1
pull1D
Entries 78
Mean 0.03417
Std Dev 0.99

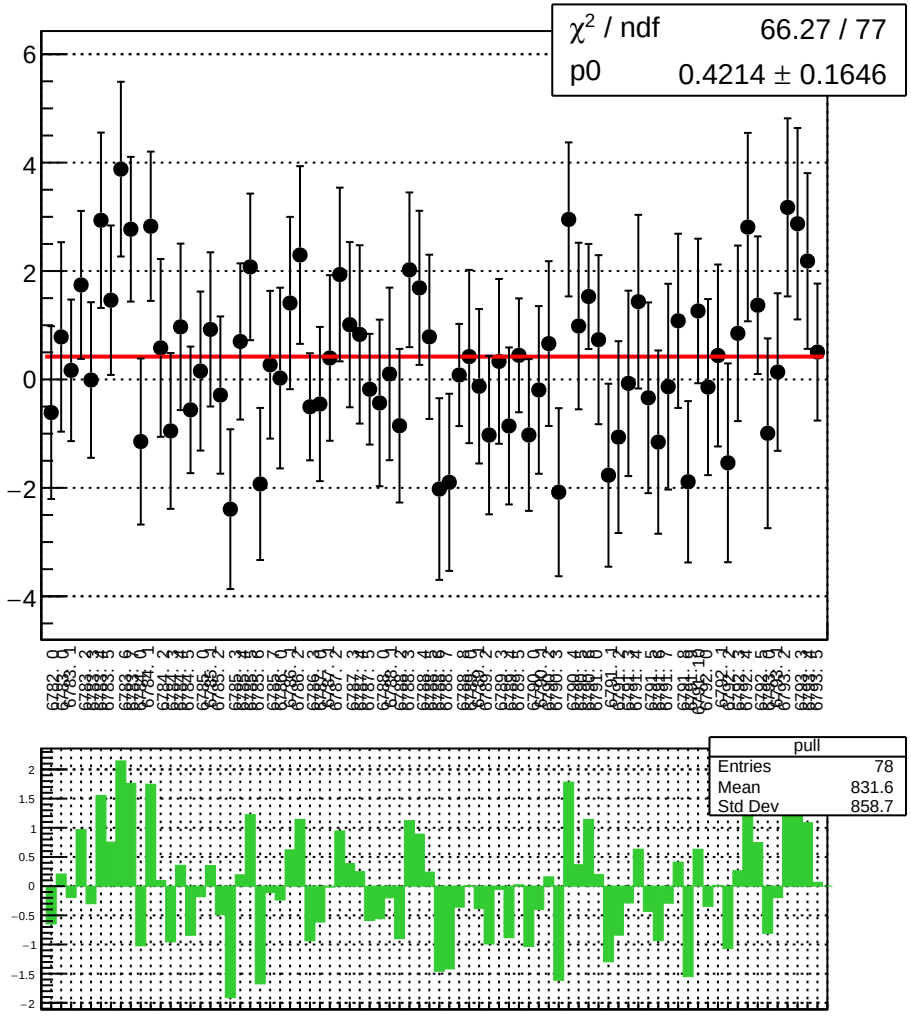

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 91.93 / 77
p0 −9.662 ± 0.06302
pull
Entries 78
Mean 191.3
Std Dev 149.5

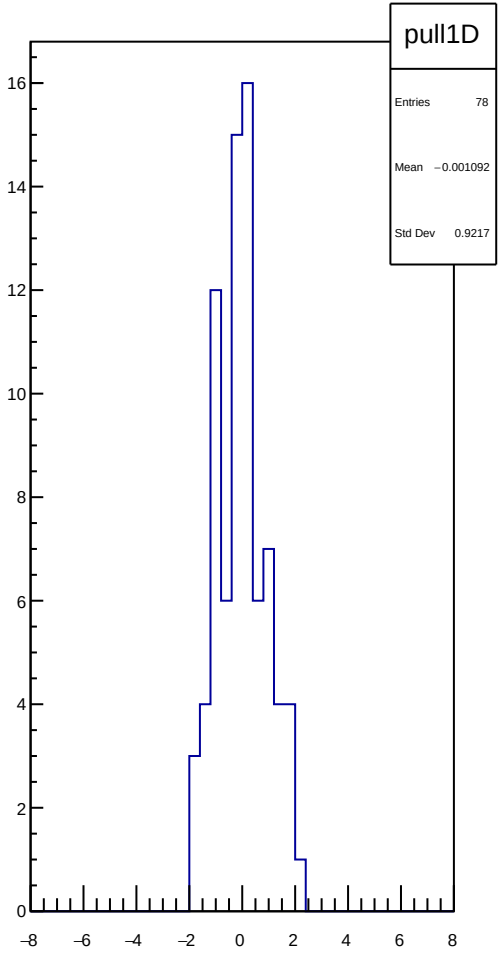

pull1D
Entries 78
Mean 0.02356
Std Dev 1.085

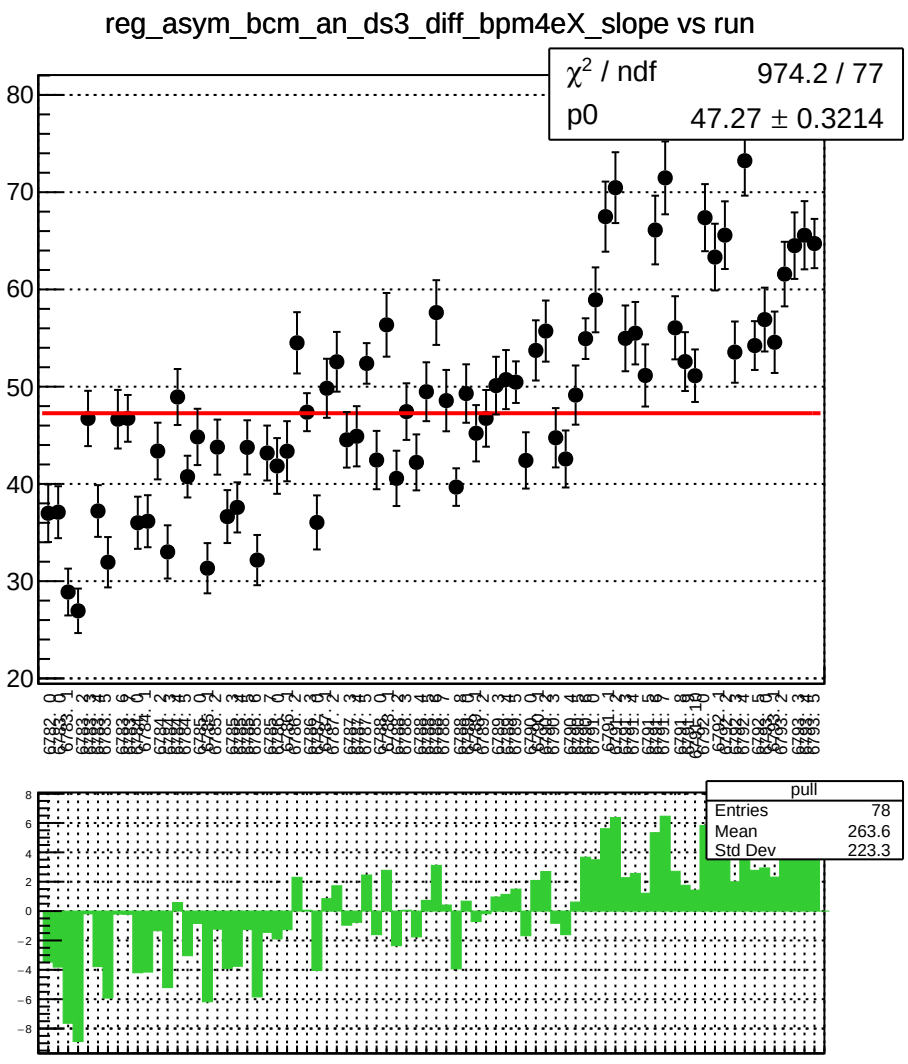

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 967.4 / 77
p0 −51.1 ± 0.3443
pull
Entries 78
Mean 263.5
Std Dev 223.2

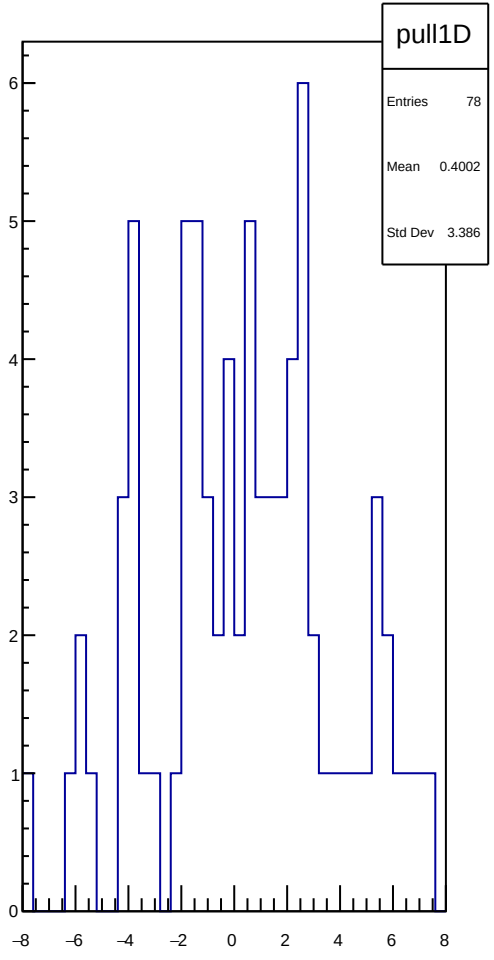

pull1D
Entries 78
Mean −0.3958
Std Dev 3.378

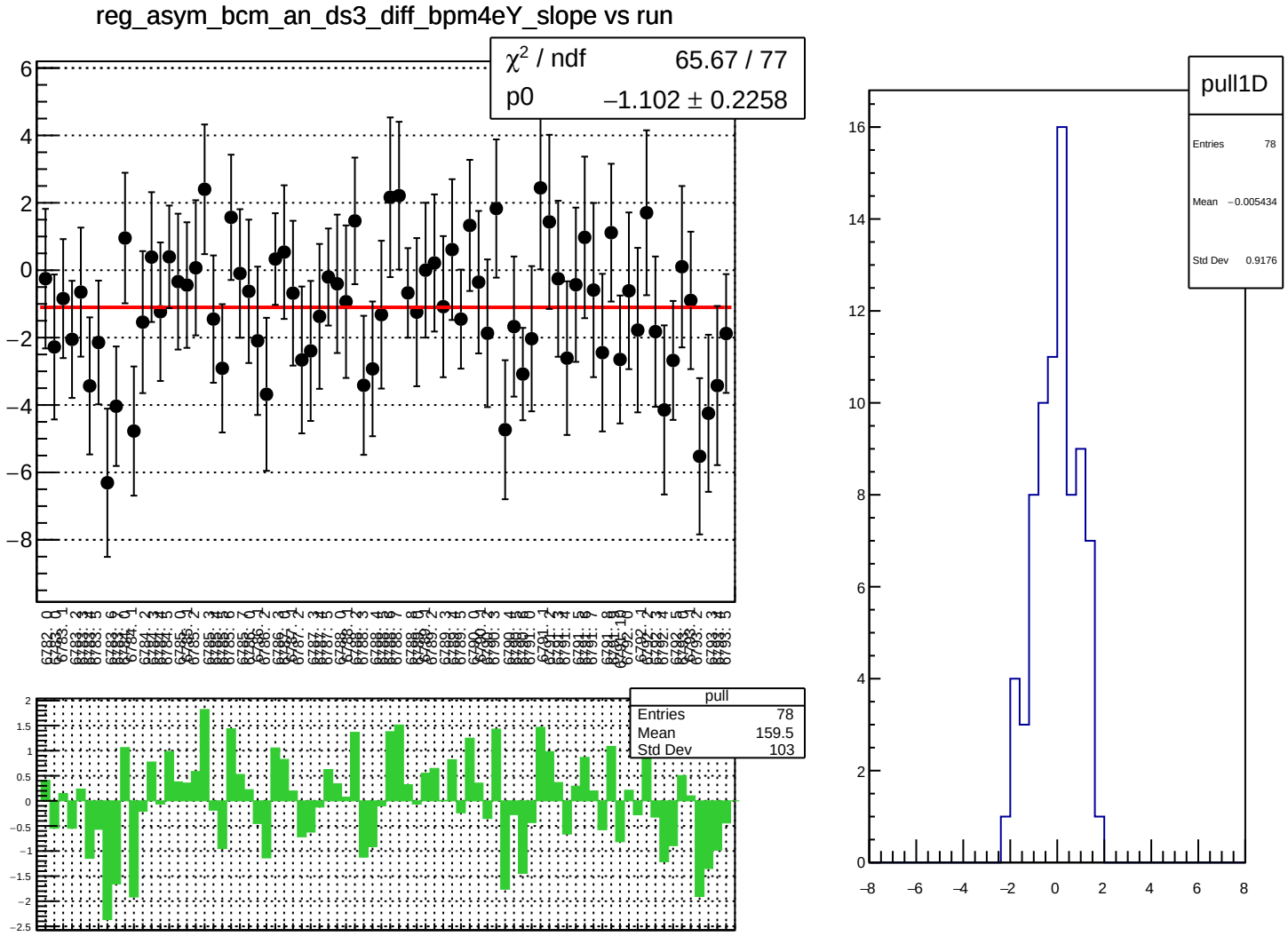
reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

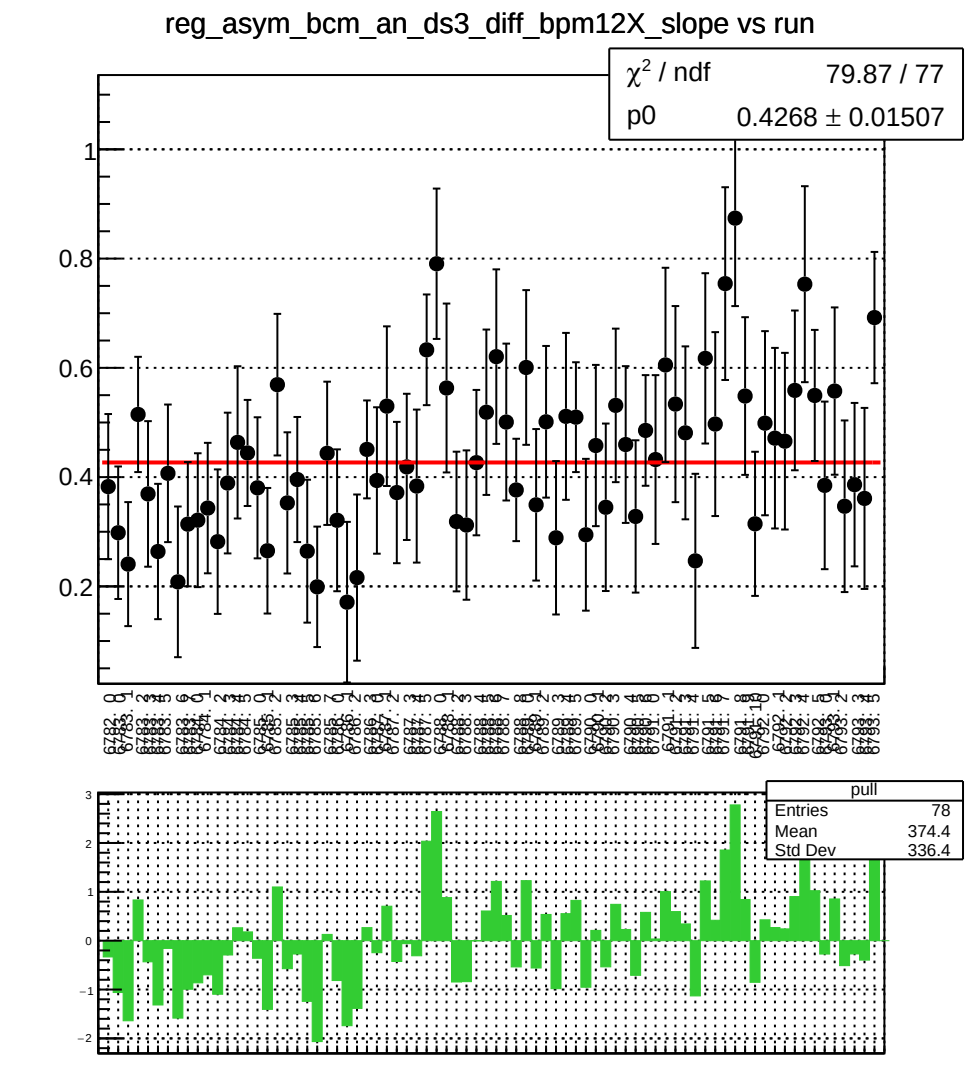


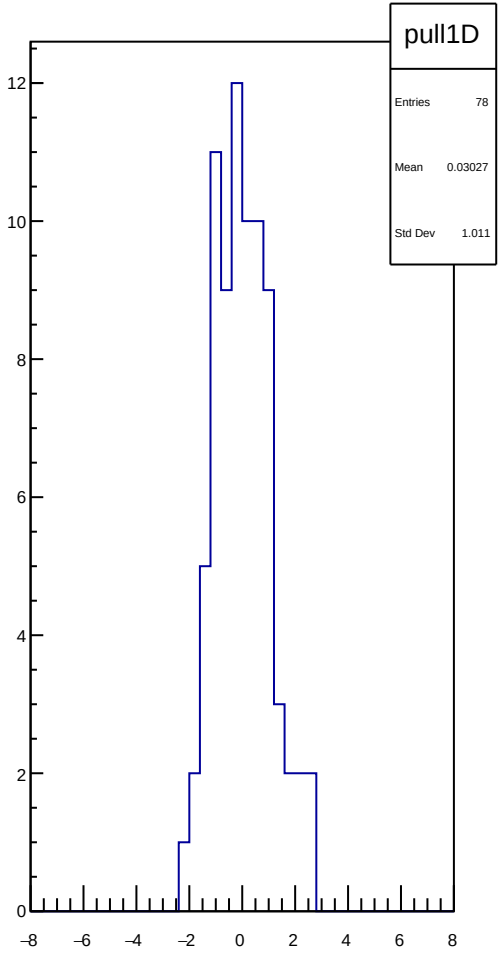


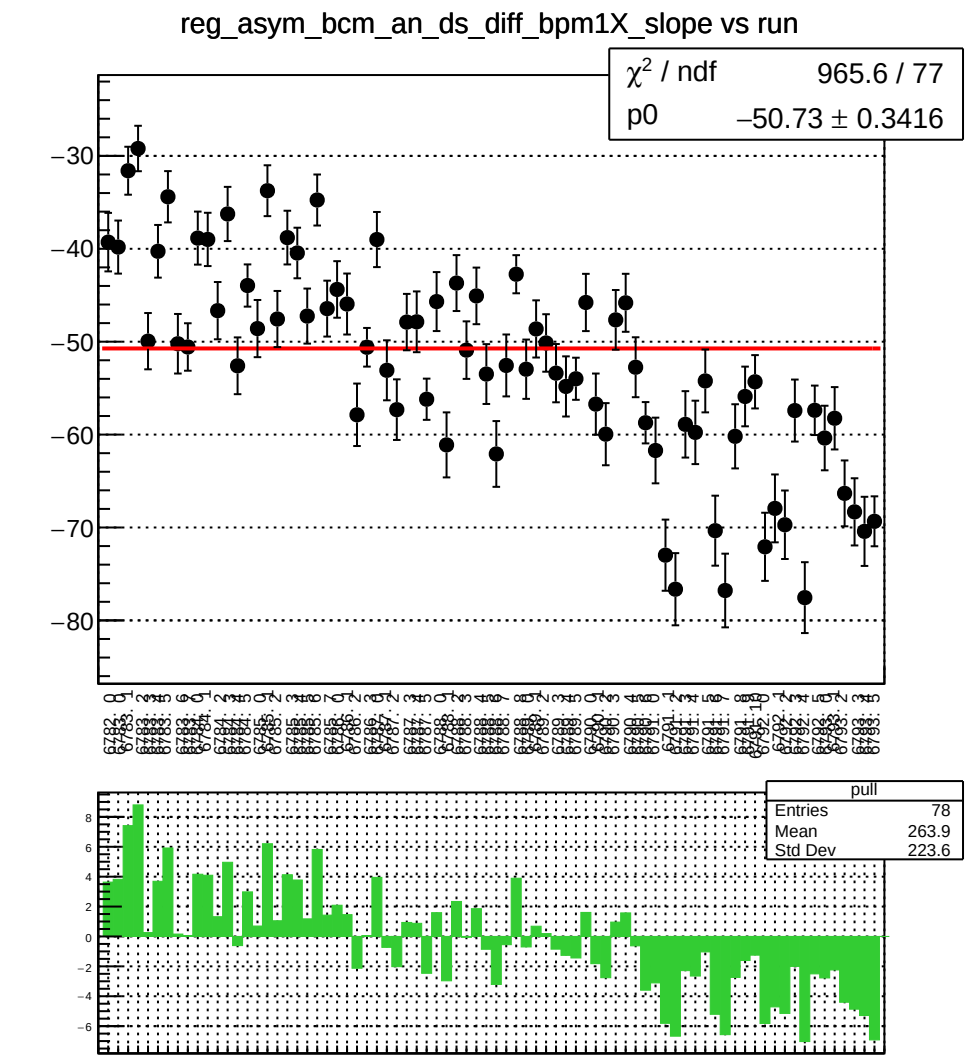

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 974.2 / 77
p0 47.27 ± 0.3214
pull
Entries 78
Mean 263.6
Std Dev 223.3

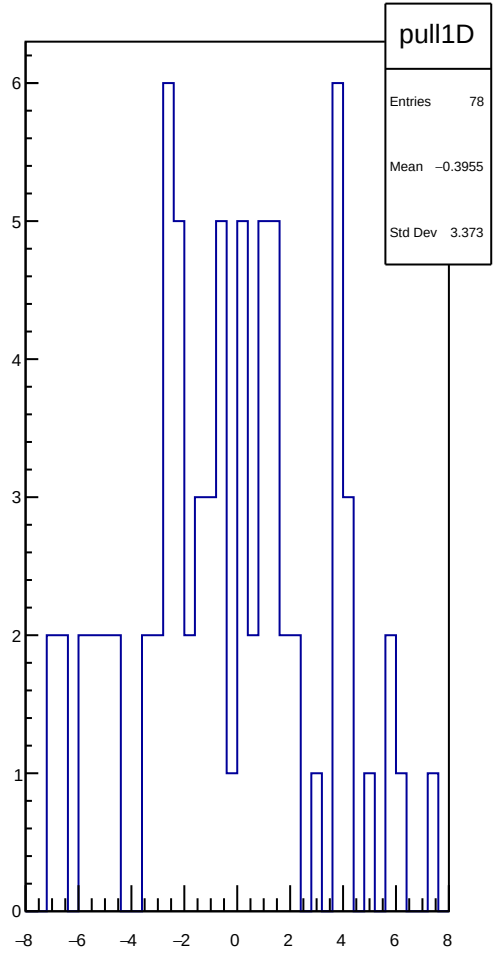

pull1D
Entries 78
Mean 0.4002
Std Dev 3.386

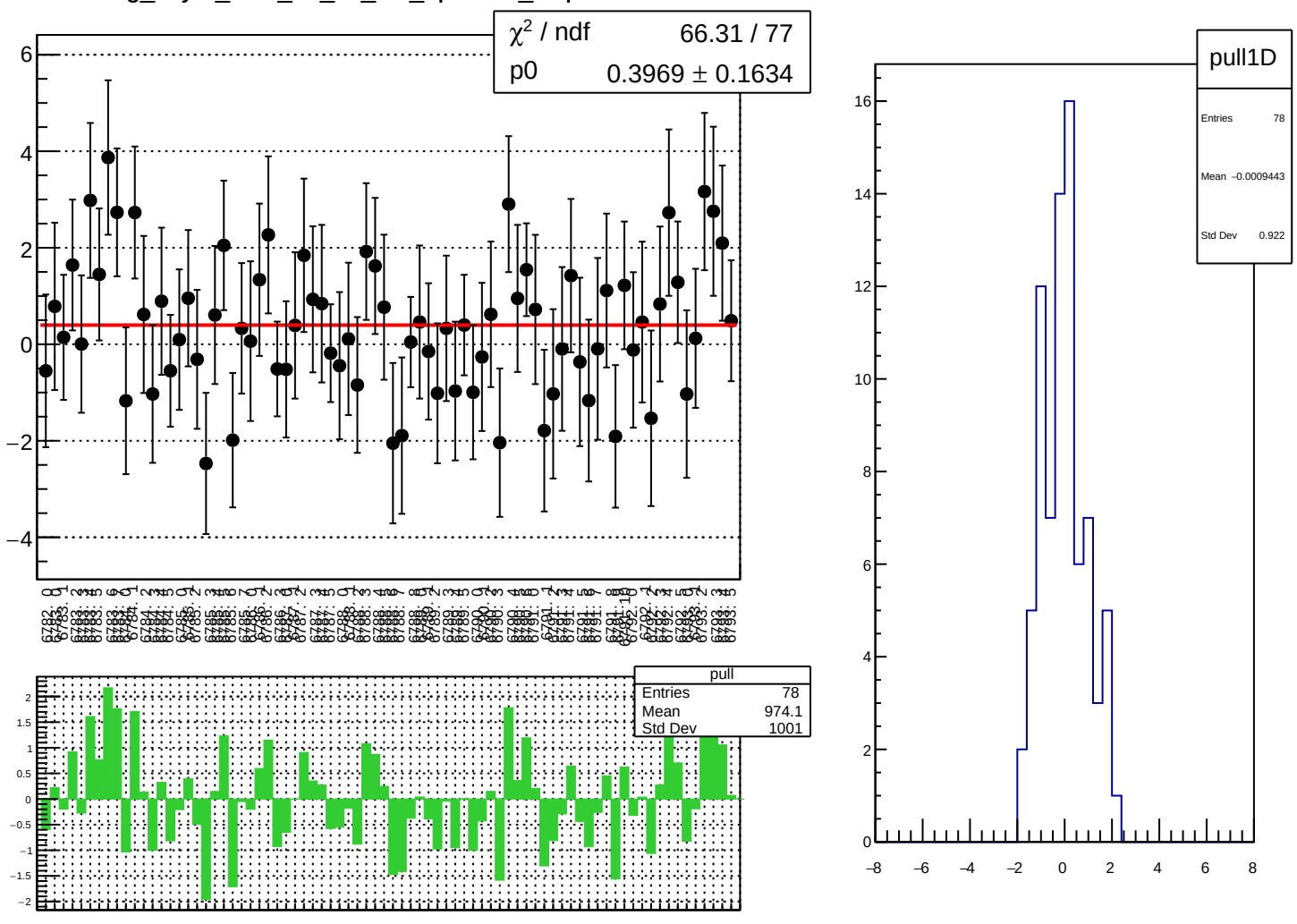

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 65.67 / 77
p0 −1.102 ± 0.2258
pull
Entries 78
Mean 159.5
Std Dev 103
pull1D
Entries 78
Mean −0.005434
Std Dev 0.9176

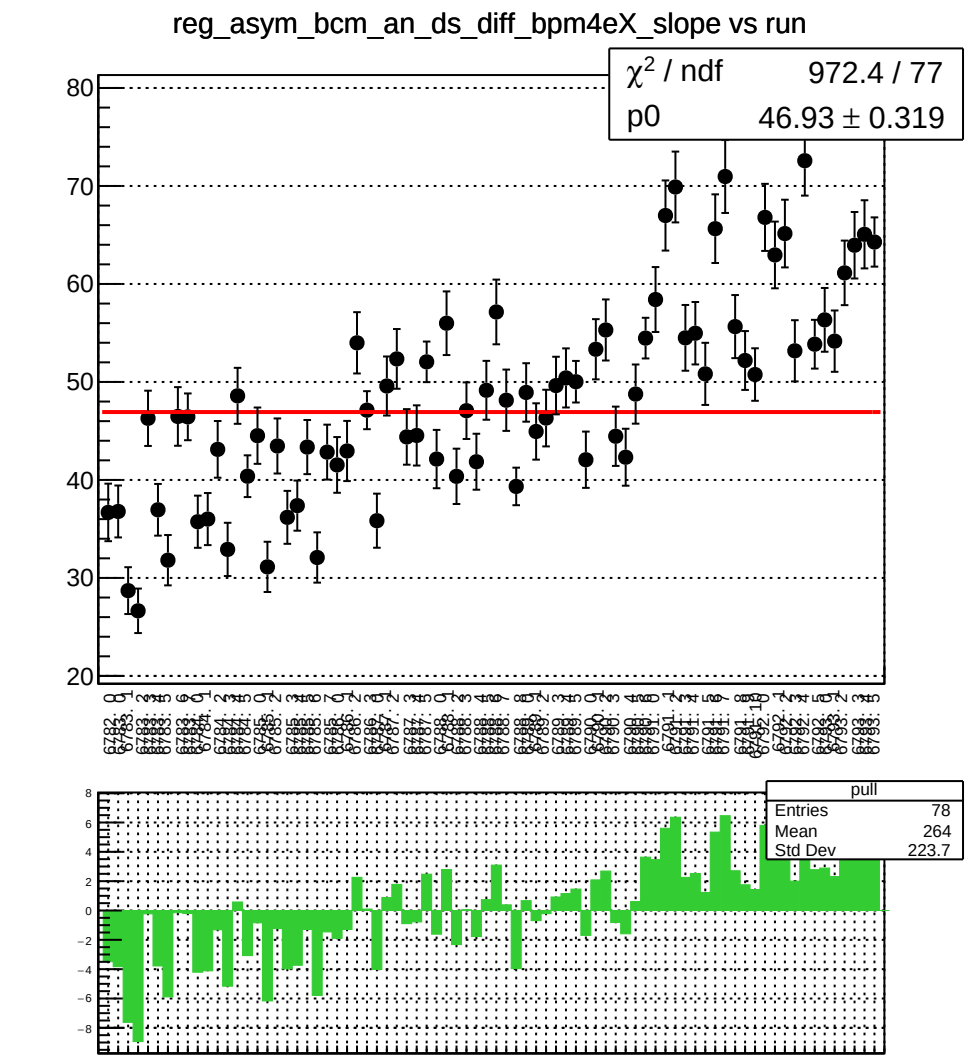

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 79.87 / 77
p0 0.4268 ± 0.01507
pull
Entries 78
Mean 374.4
Std Dev 336.4

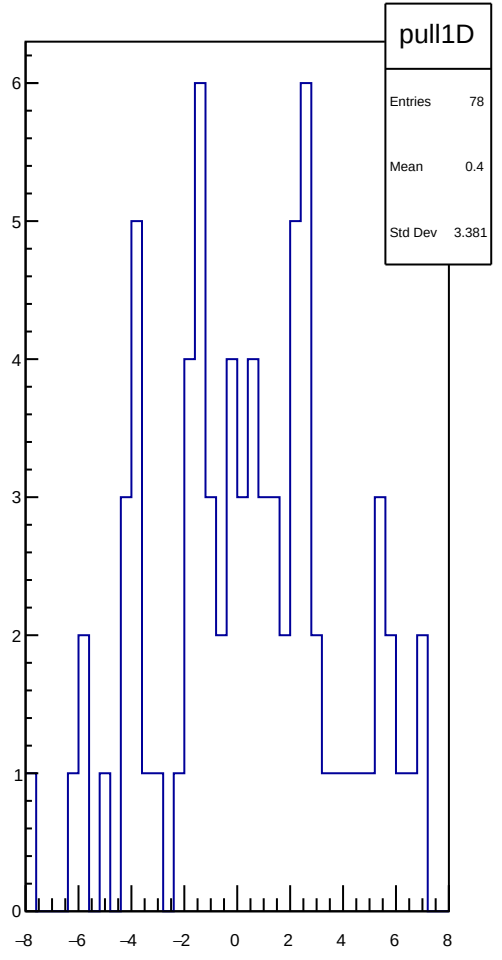

pull1D
Entries 78
Mean 0.03027
Std Dev 1.011

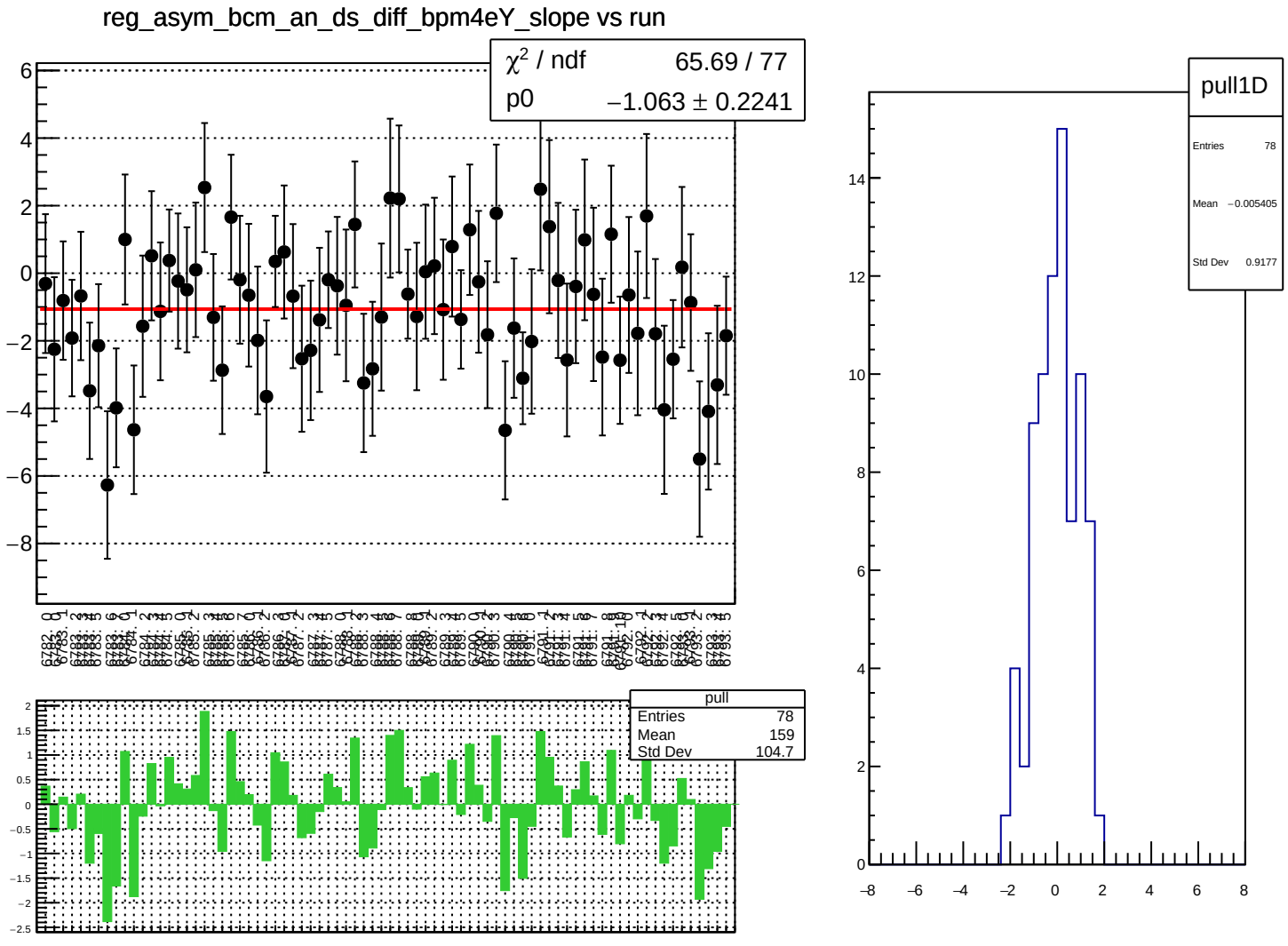

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 965.6 / 77
p0 −50.73 ± 0.3416
pull
Entries 78
Mean 263.9
Std Dev 223.6

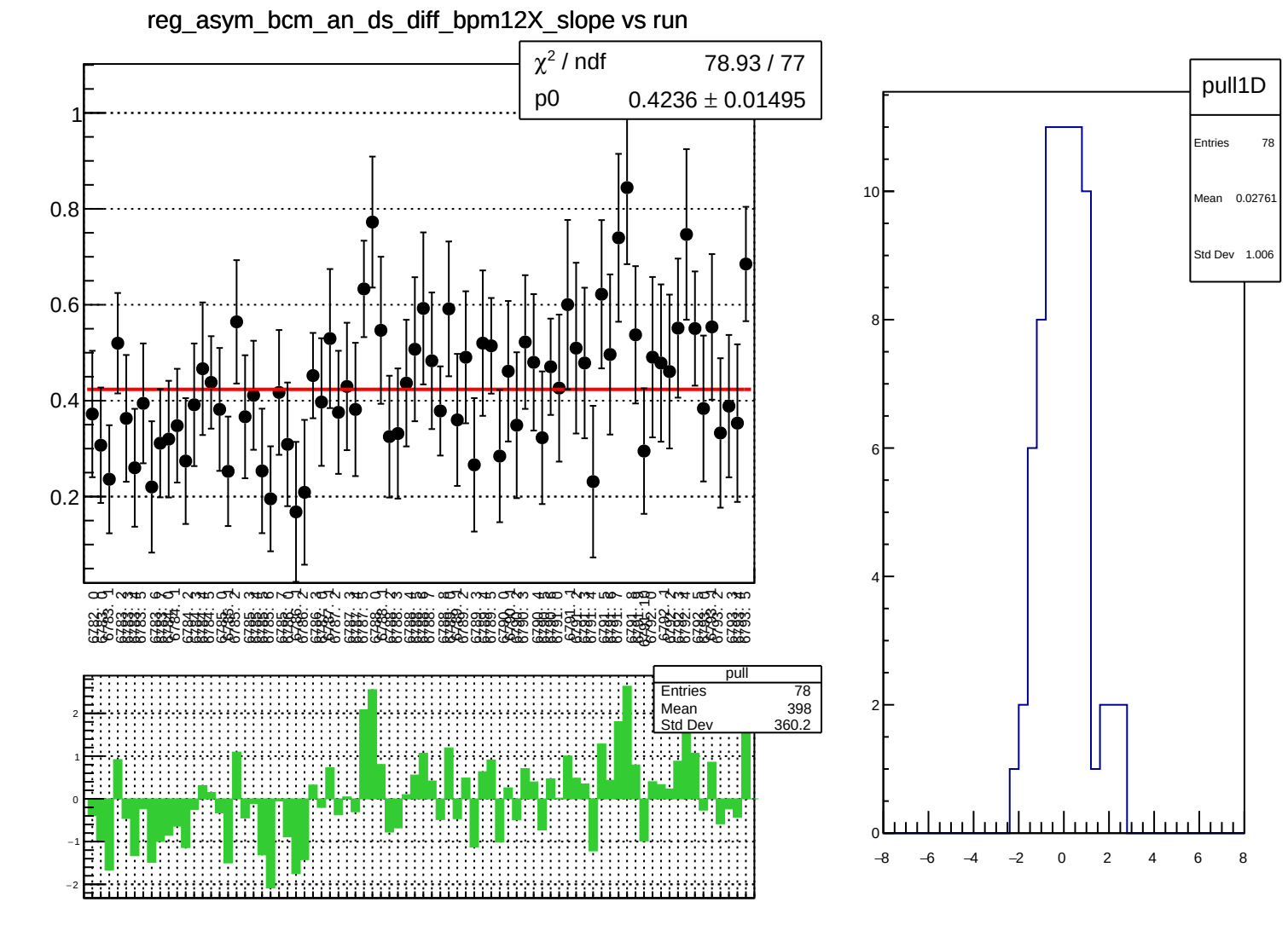

pull1D
Entries 78
Mean −0.3955
Std Dev 3.373

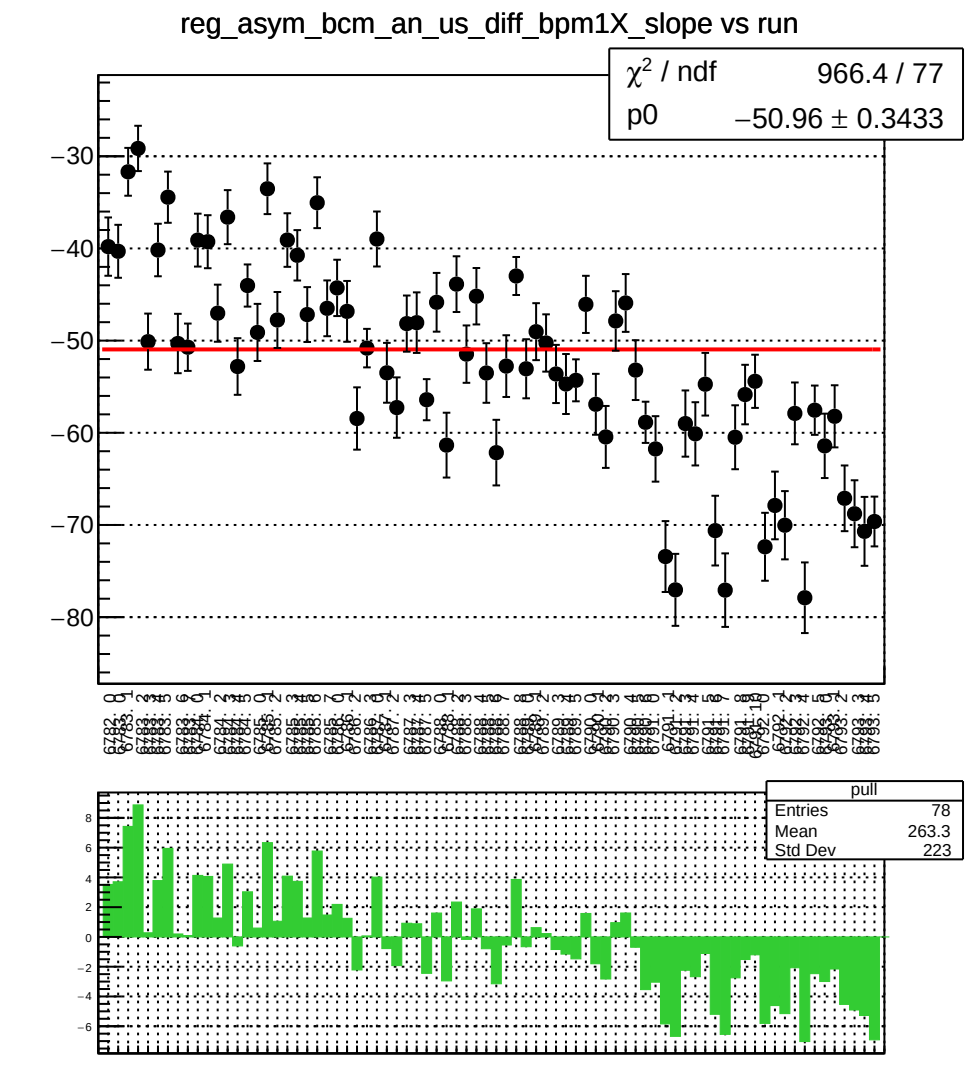

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 66.31 / 77
p0 0.3969 ± 0.1634
pull
Entries 78
Mean 974.1
Std Dev 1001
pull1D
Entries 78
Mean −0.0009443
Std Dev 0.922

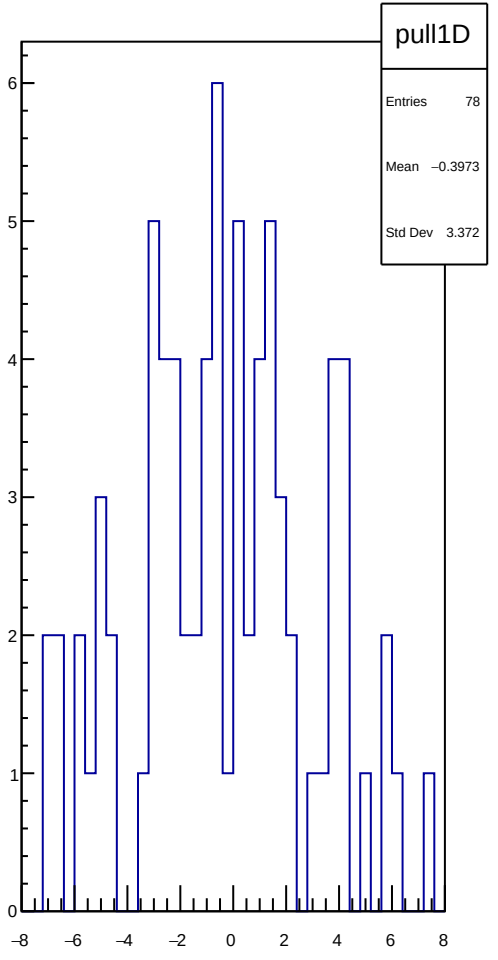

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 972.4 / 77
p0 46.93 ± 0.319
pull
Entries 78
Mean 264
Std Dev 223.7

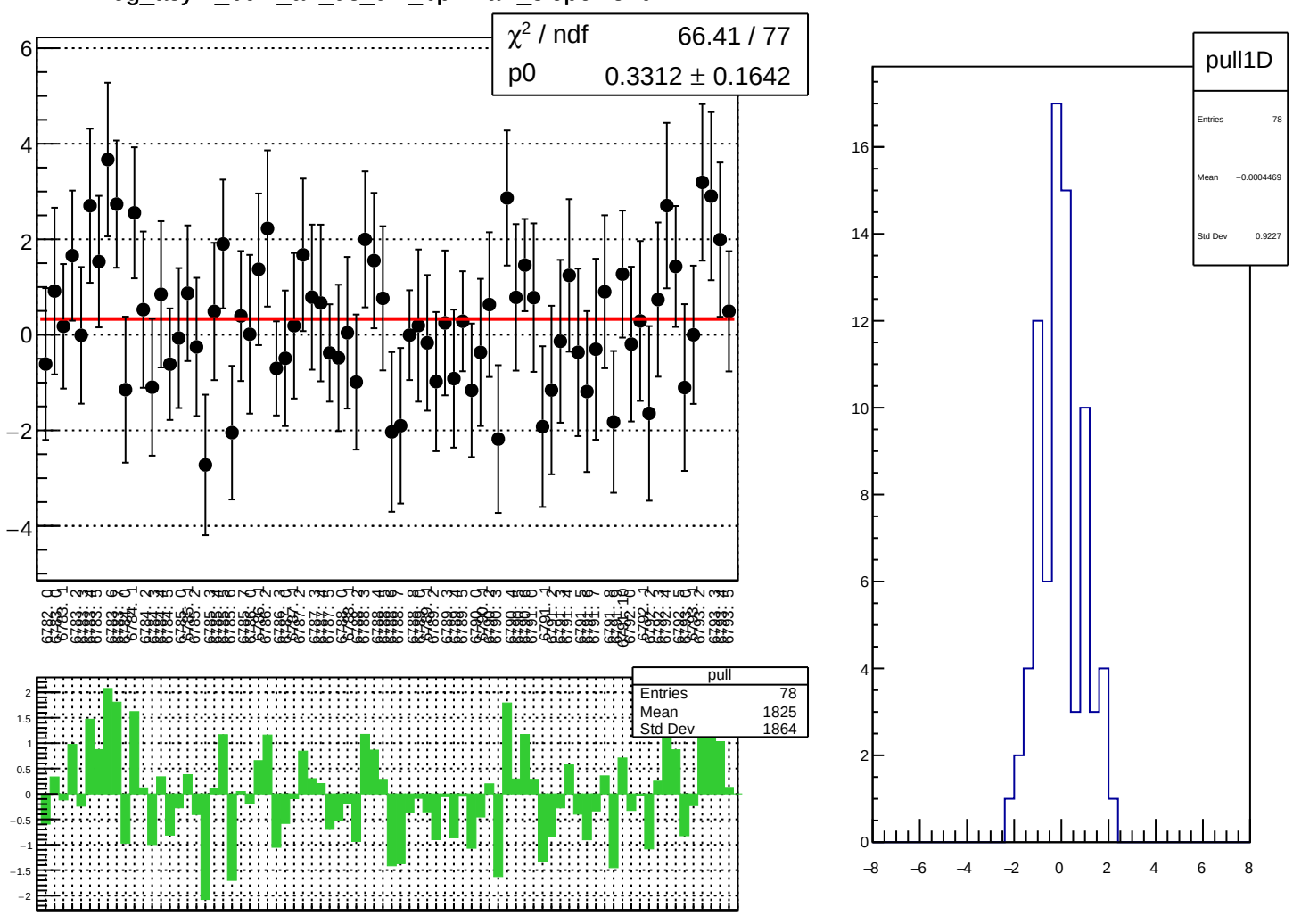

pull1D
Entries 78
Mean 0.4
Std Dev 3.381

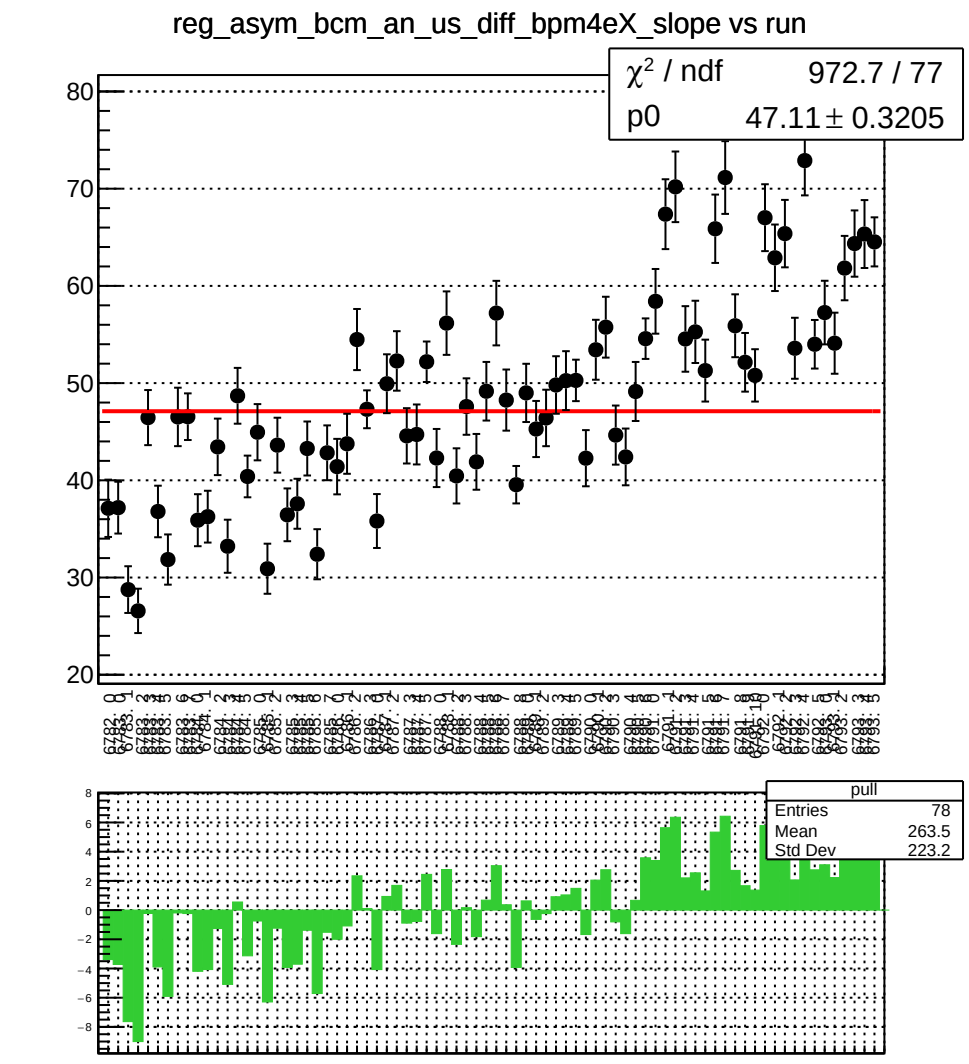

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 65.69 / 77
p0 −1.063 ± 0.2241
pull
Entries 78
Mean 159
Std Dev 104.7
pull1D
Entries 78
Mean −0.005405
Std Dev 0.9177

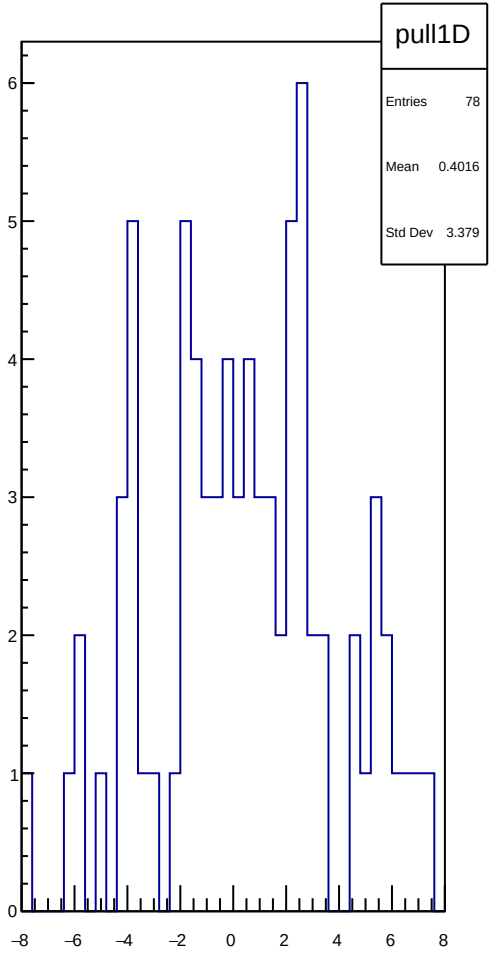

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 78.93 / 77
p0 0.4236 ± 0.01495
pull
Entries 78
Mean 398
Std Dev 360.2
pull1D
Entries 78
Mean 0.02761
Std Dev 1.006

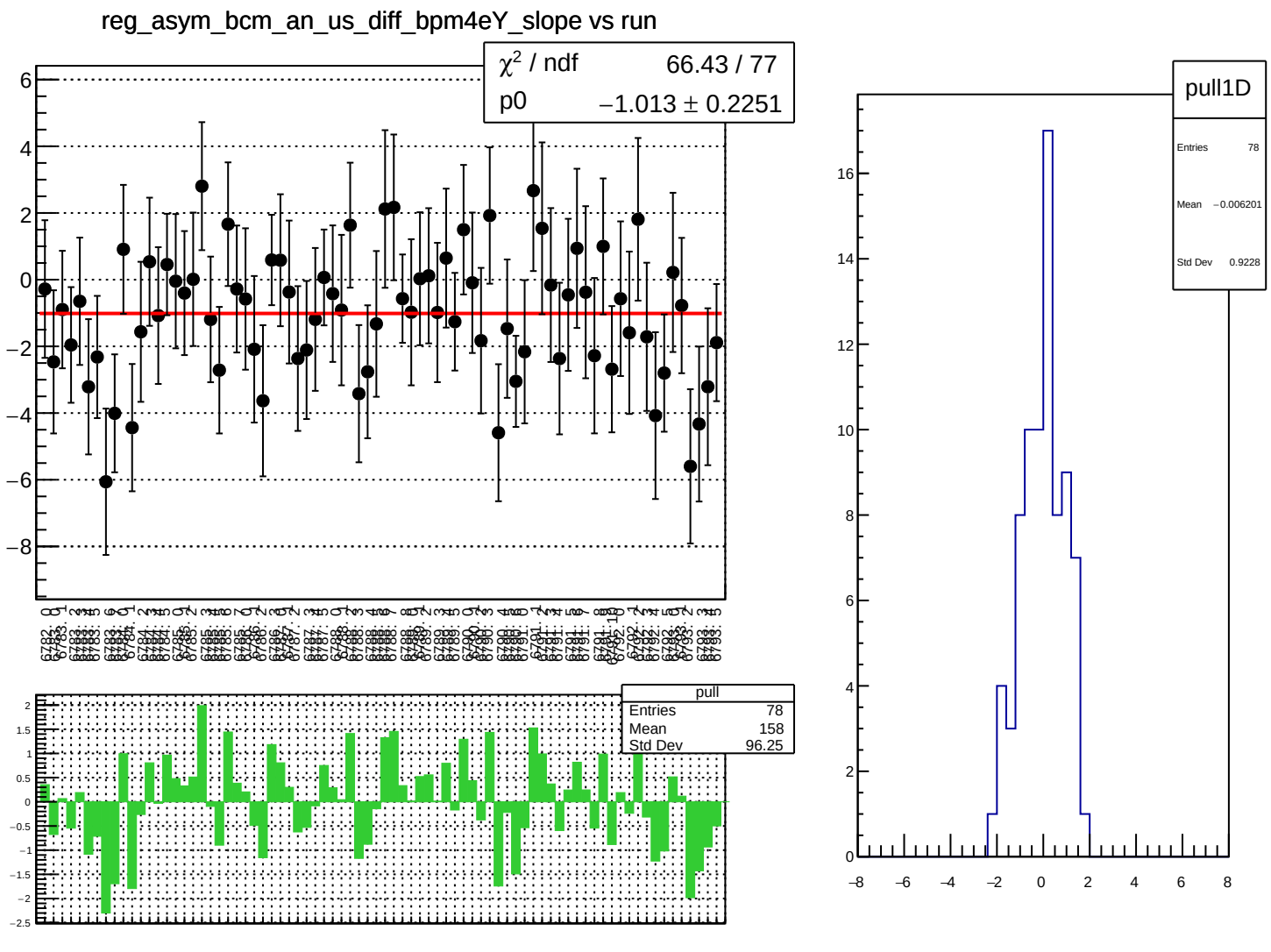

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 966.4 / 77
p0 −50.96 ± 0.3433
pull
Entries 78
Mean 263.3
Std Dev 223

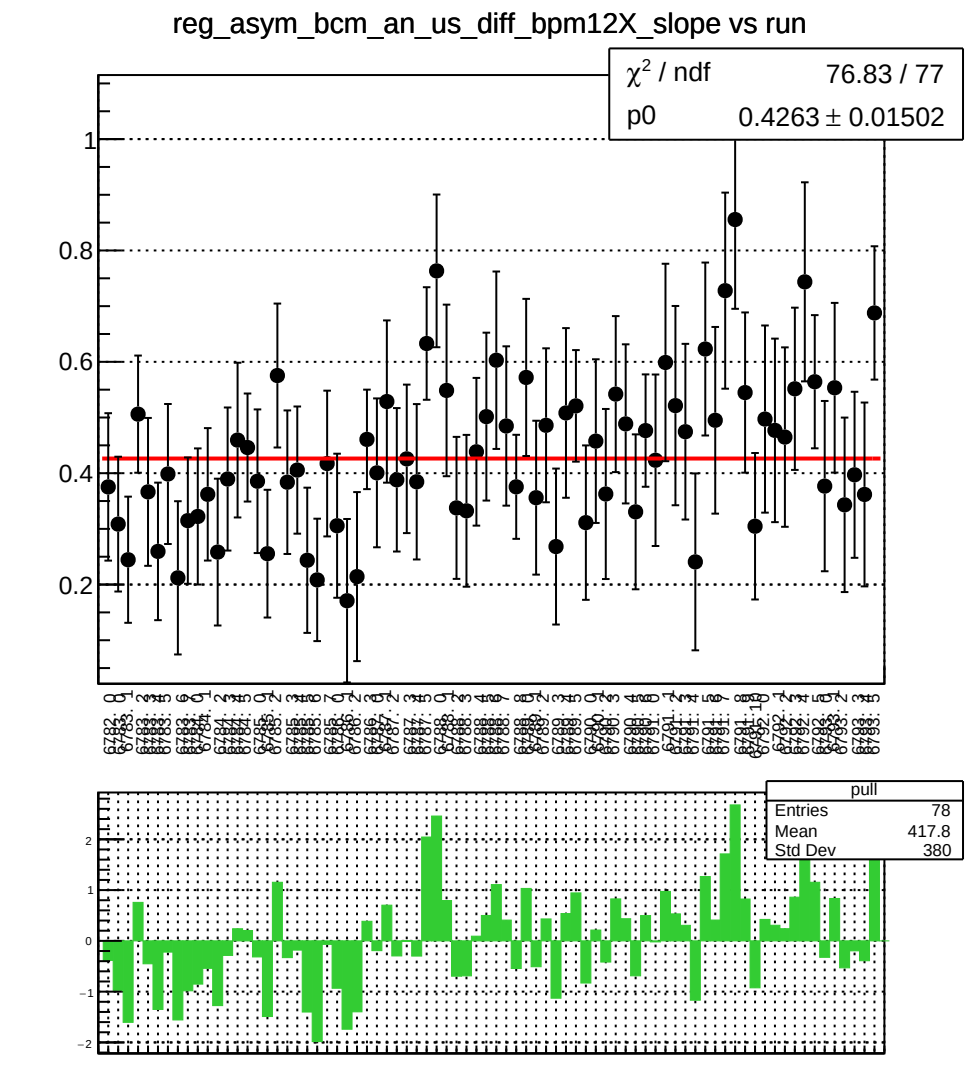

pull1D
Entries 78
Mean −0.3973
Std Dev 3.372

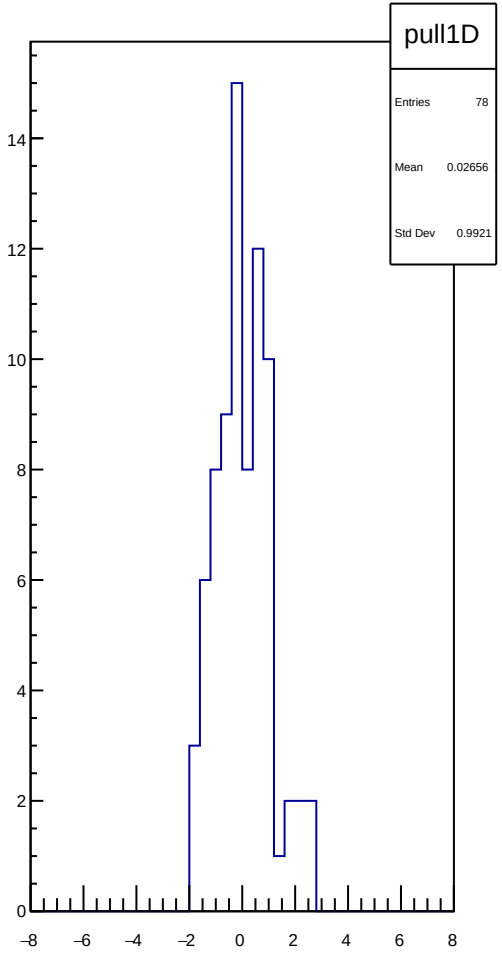

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 66.41 / 77
p0 0.3312 ± 0.1642
pull
Entries 78
Mean 1825
Std Dev 1864
pull1D
Entries 78
Mean −0.0004469
Std Dev 0.9227

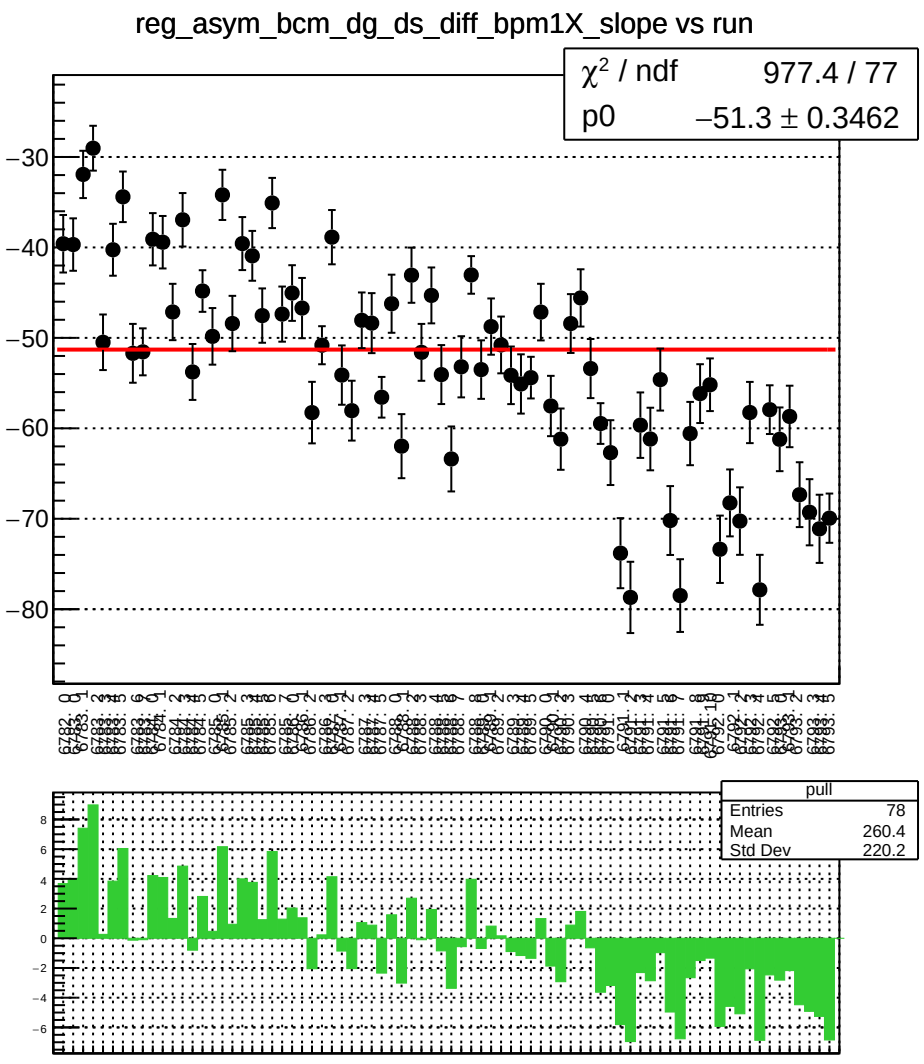

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 972.7 / 77
p0 47.11 ± 0.3205
pull
Entries 78
Mean 263.5
Std Dev 223.2

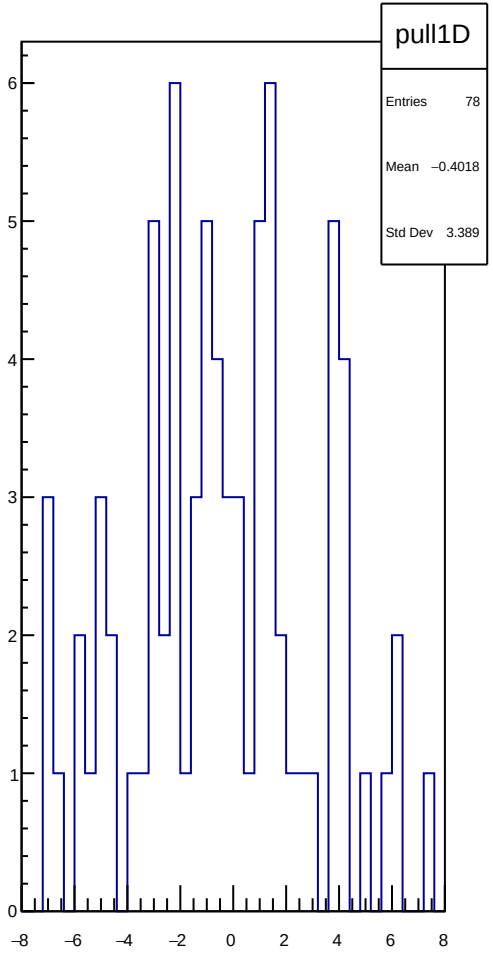

pull1D
Entries 78
Mean 0.4016
Std Dev 3.379

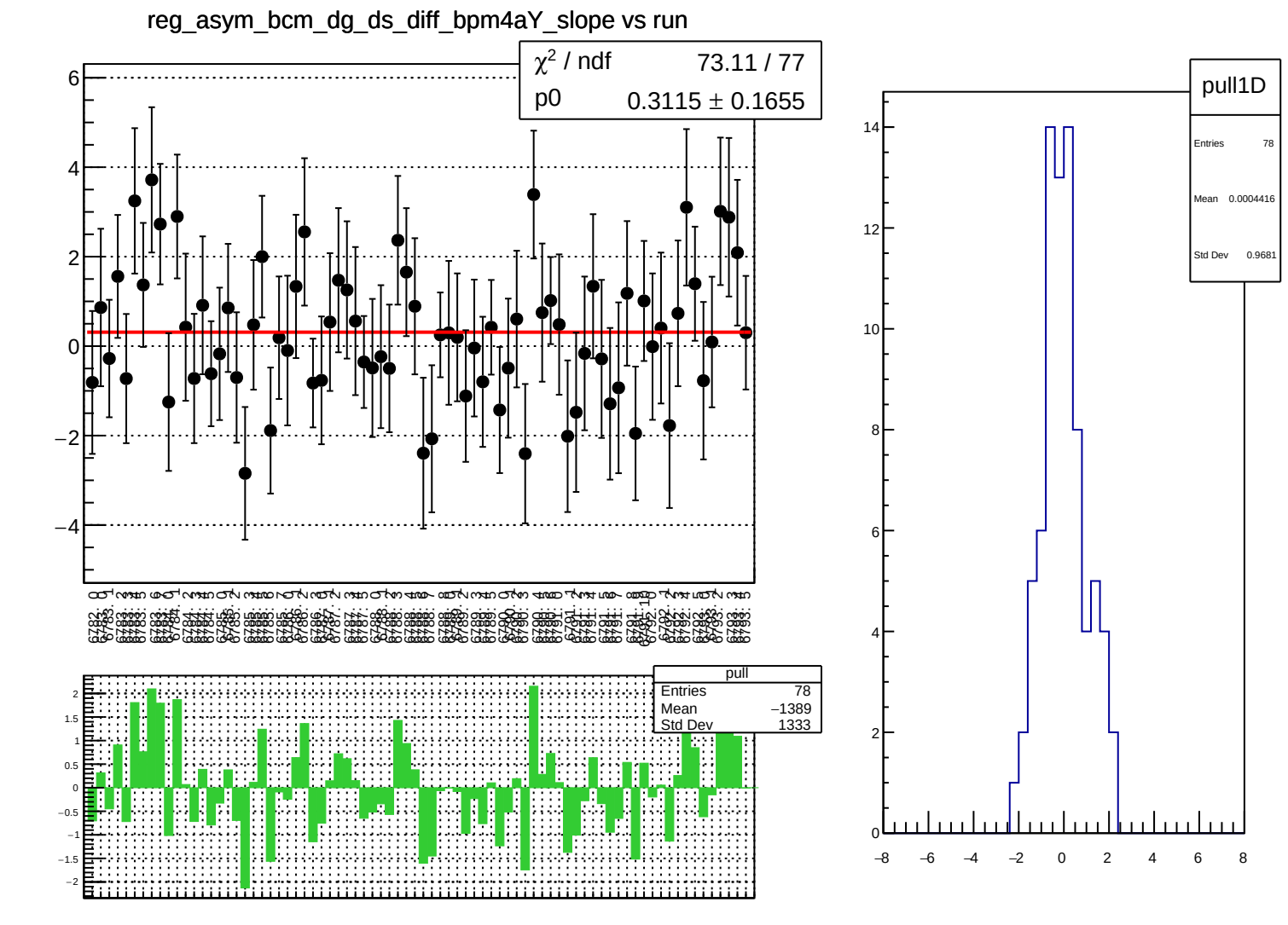

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 66.43 / 77
p0 −1.013 ± 0.2251
pull
Entries 78
Mean 158
Std Dev 96.25
pull1D
Entries 78
Mean −0.006201
Std Dev 0.9228

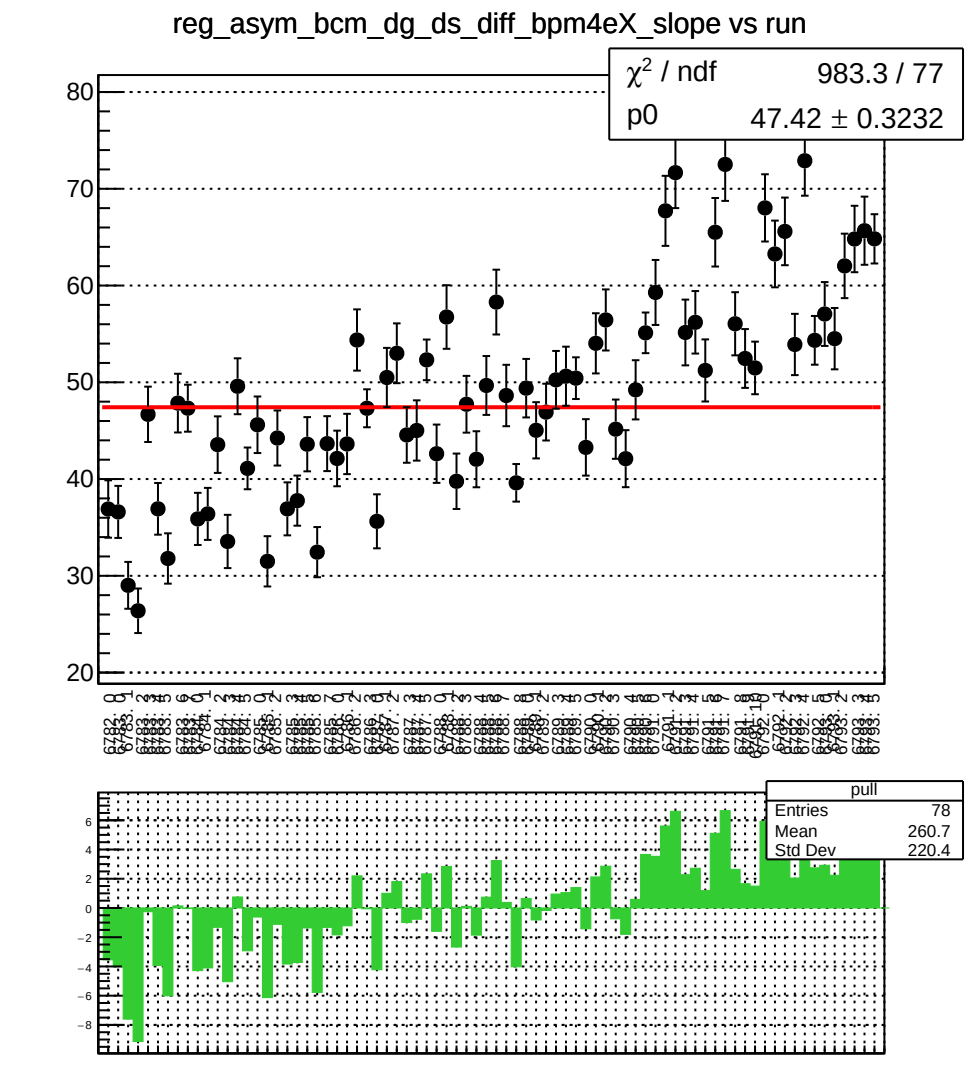

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 76.83 / 77
p0 0.4263 ± 0.01502
pull
Entries 78
Mean 417.8
Std Dev 380

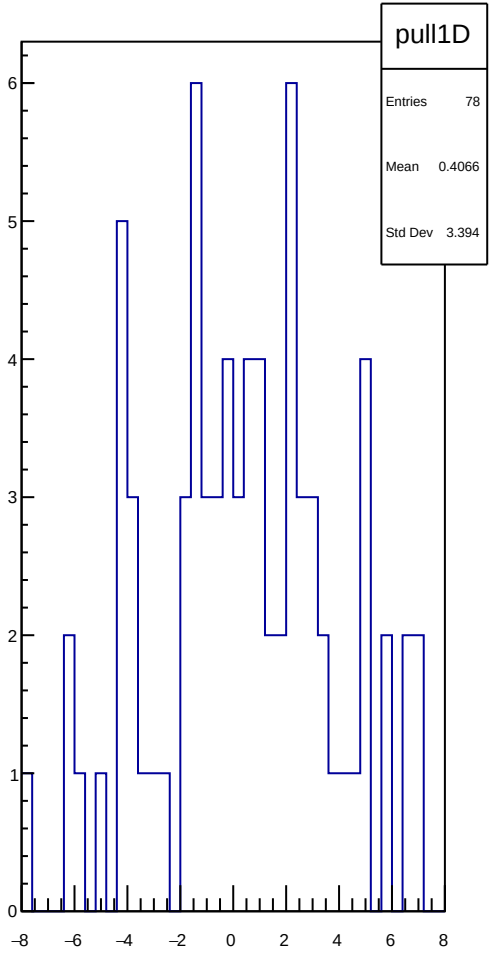

pull1D
Entries 78
Mean 0.02656
Std Dev 0.9921

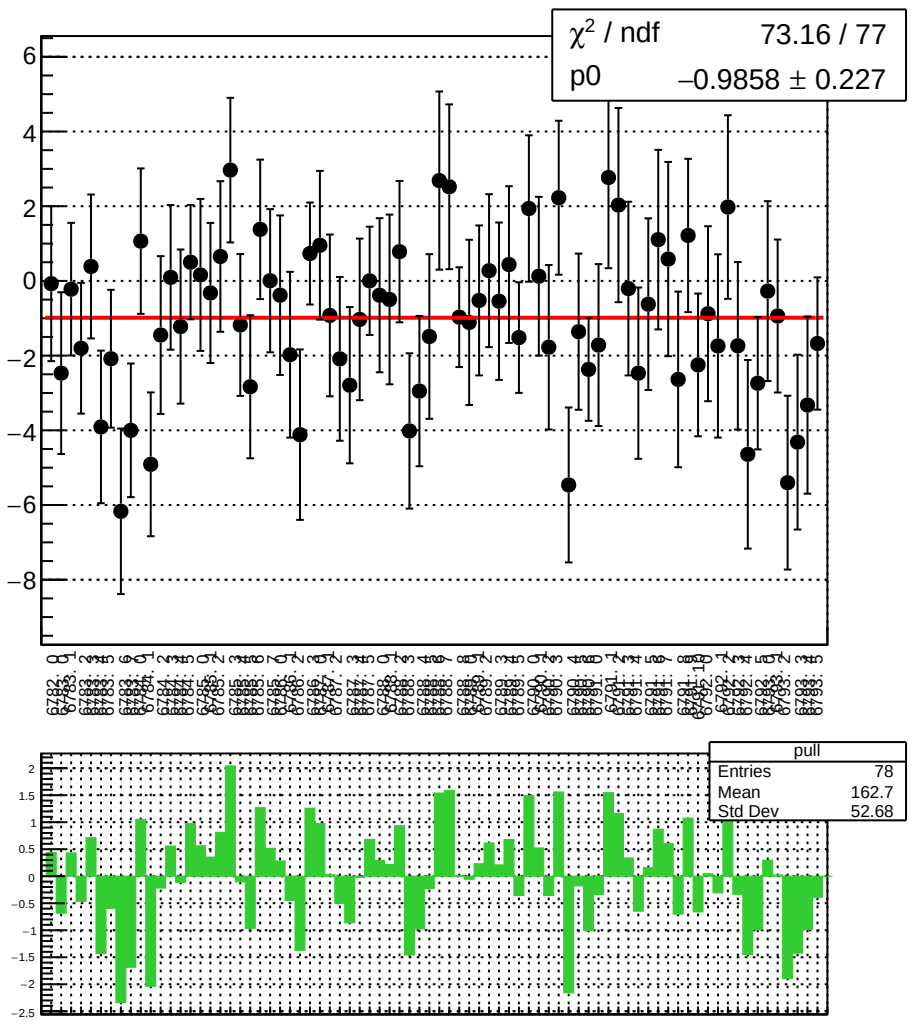

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 977.4 / 77
p0 −51.3 ± 0.3462
pull
Entries 78
Mean 260.4
Std Dev 220.2

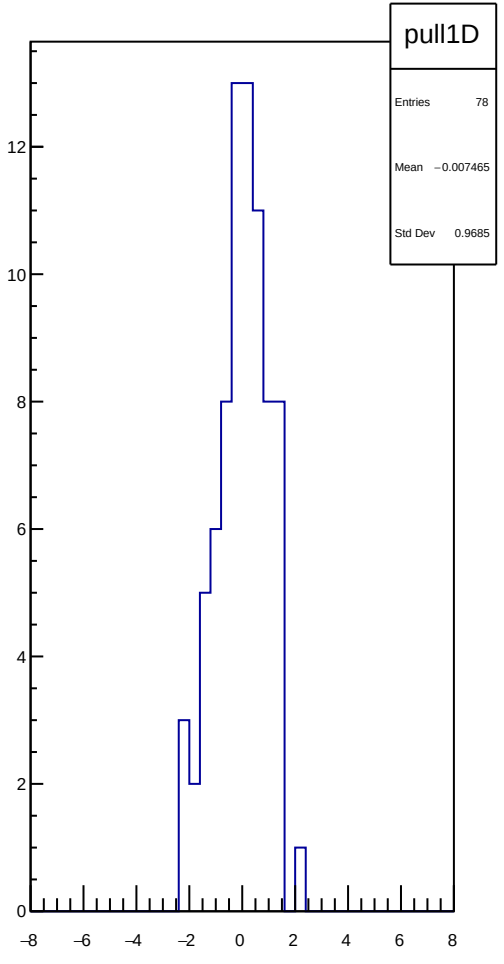

pull1D
Entries 78
Mean −0.4018
Std Dev 3.389

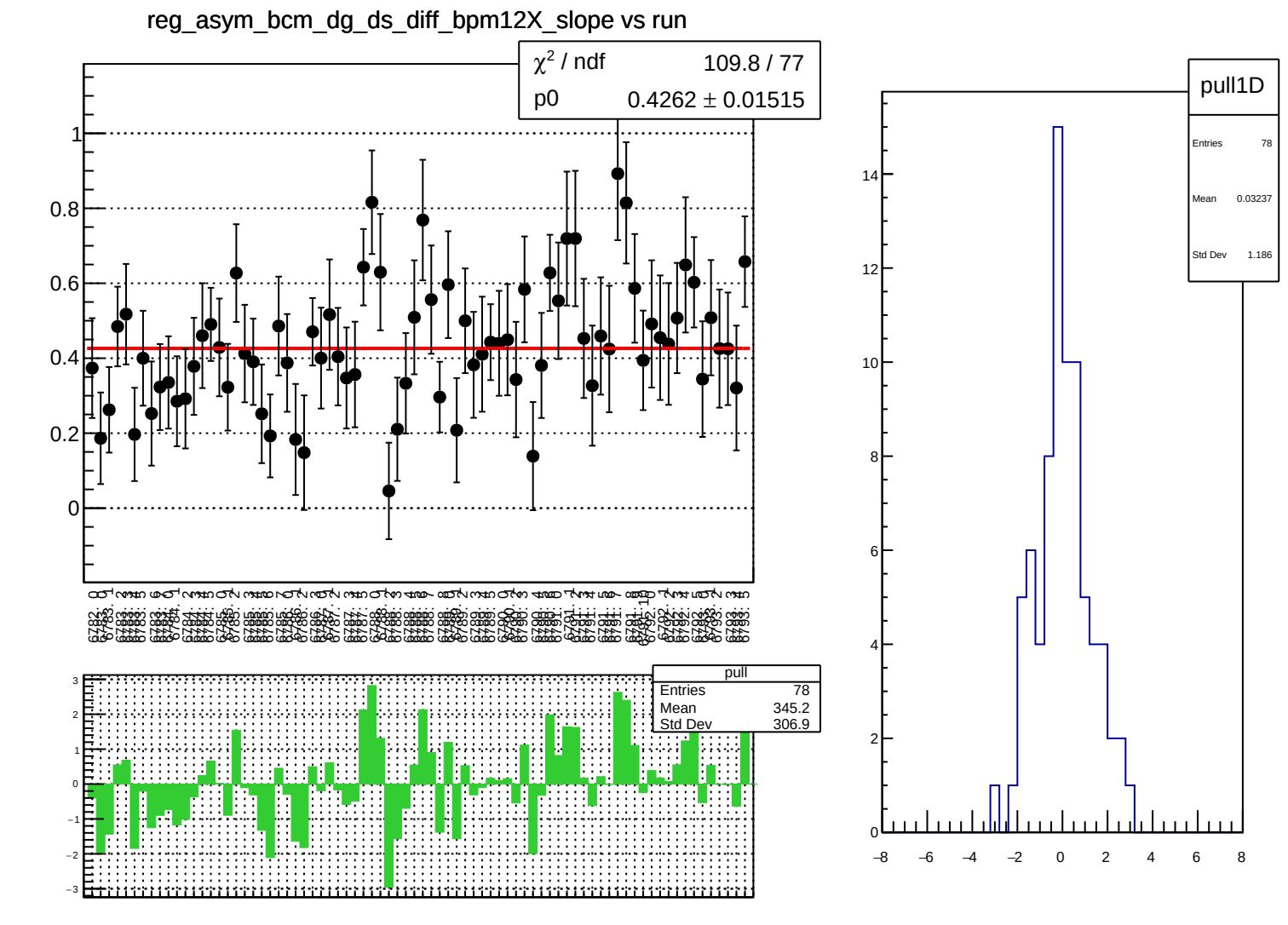

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 73.11 / 77
p0 0.3115 ± 0.1655
pull
Entries 78
Mean −1389
Std Dev 1333
pull1D
Entries 78
Mean 0.0004416
Std Dev 0.9681

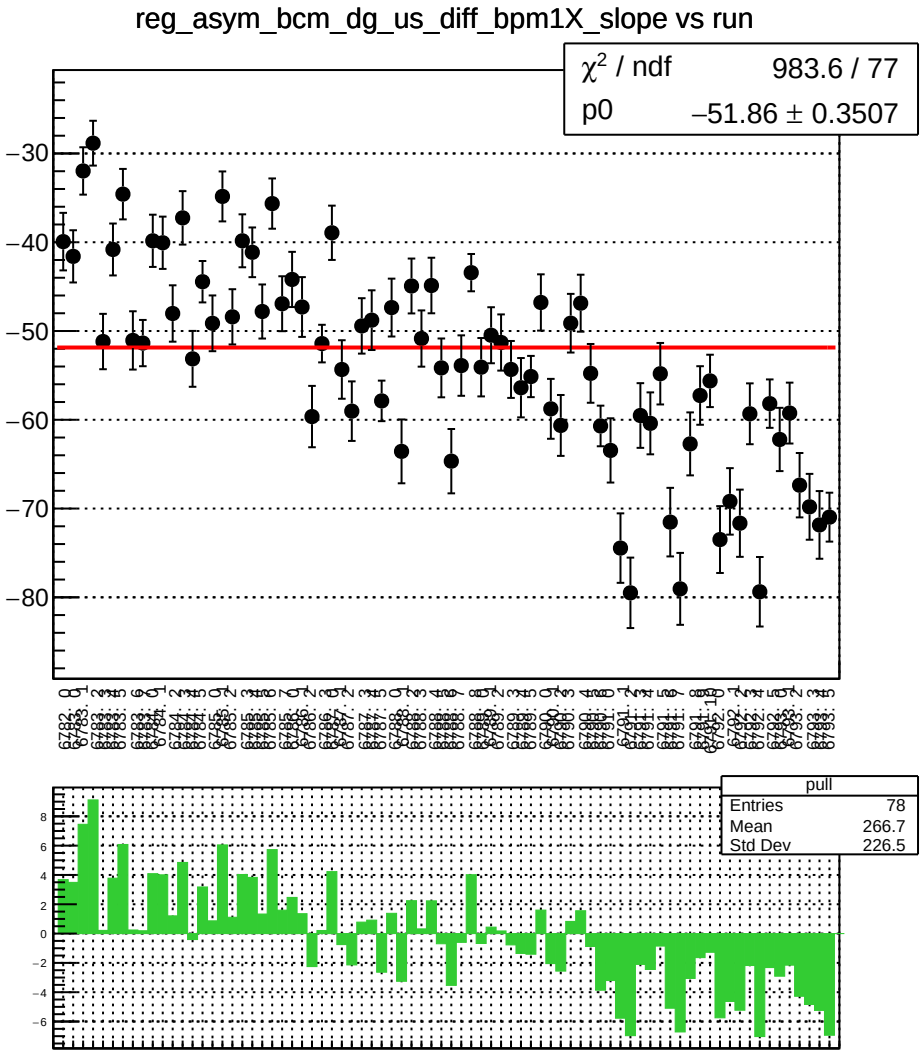

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 983.3 / 77
p0 47.42 ± 0.3232
pull
Entries 78
Mean 260.7
Std Dev 220.4

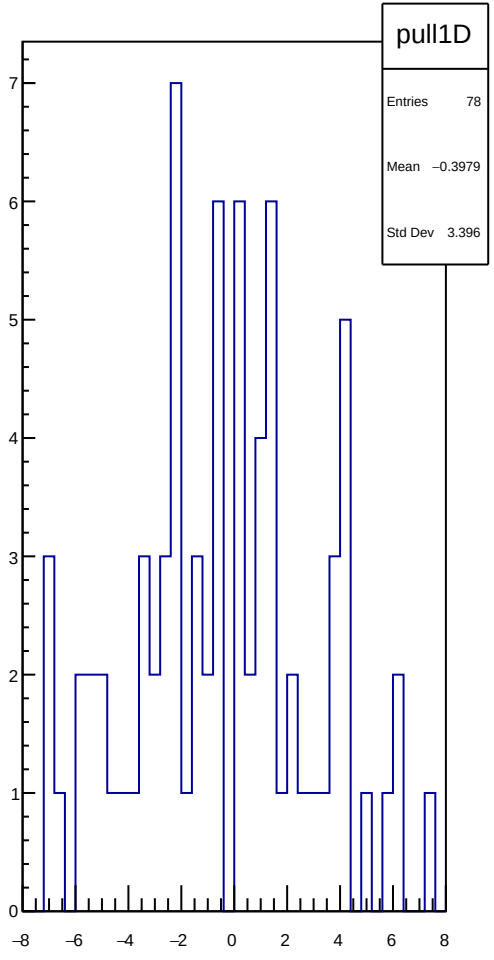

pull1D
Entries 78
Mean 0.4066
Std Dev 3.394

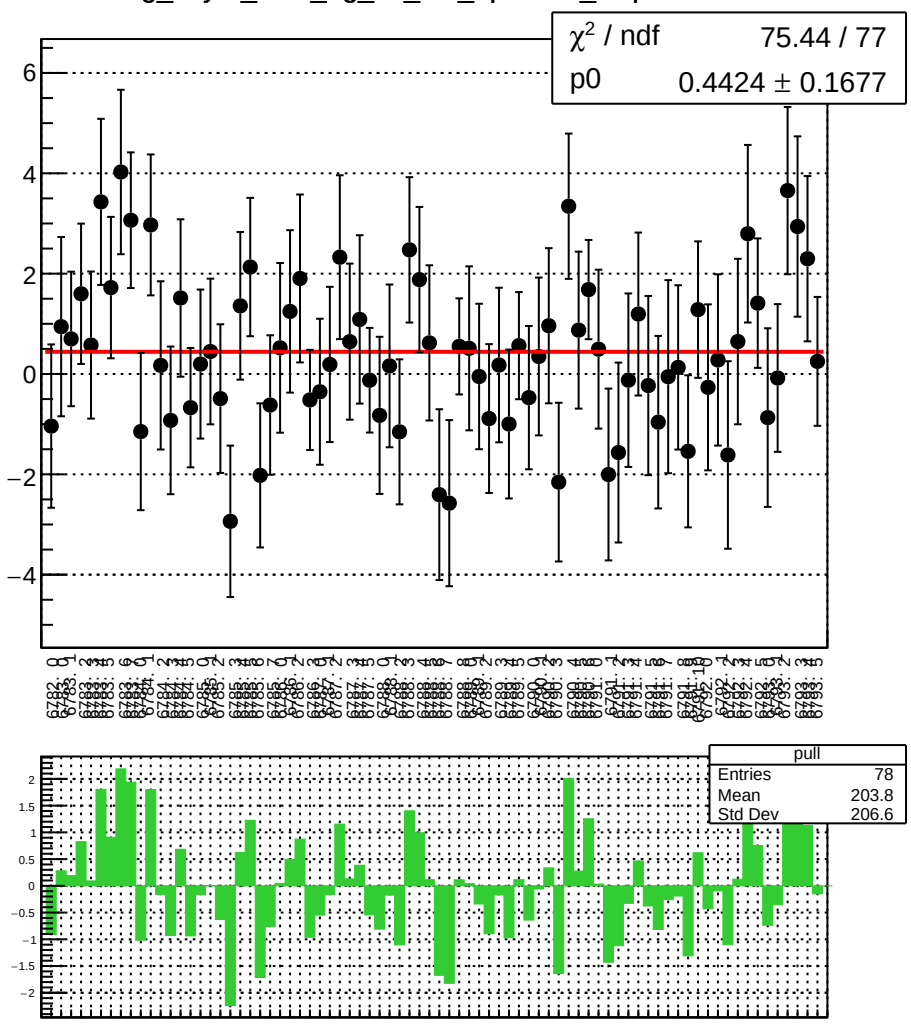

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.16 / 77
p0 −0.9858 ± 0.227
pull
Entries 78
Mean 162.7
Std Dev 52.68

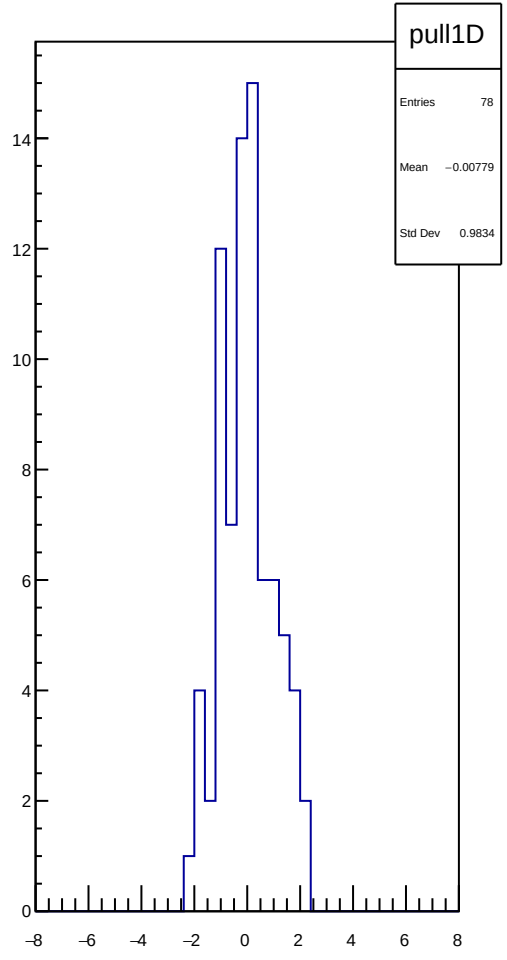

pull1D
Entries 78
Mean −0.007465
Std Dev 0.9685

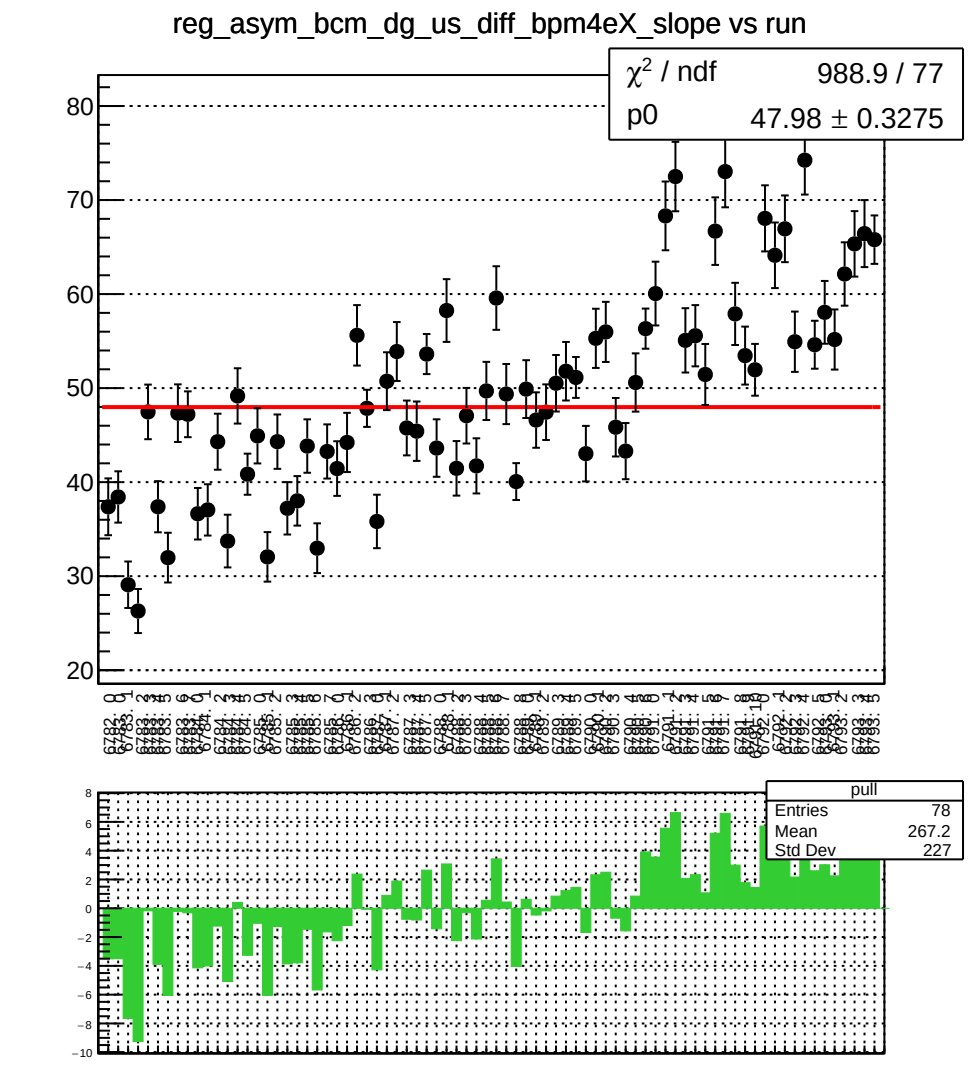

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 109.8 / 77
p0 0.4262 ± 0.01515
pull
Entries 78
Mean 345.2
Std Dev 306.9
pull1D
Entries 78
Mean 0.03237
Std Dev 1.186

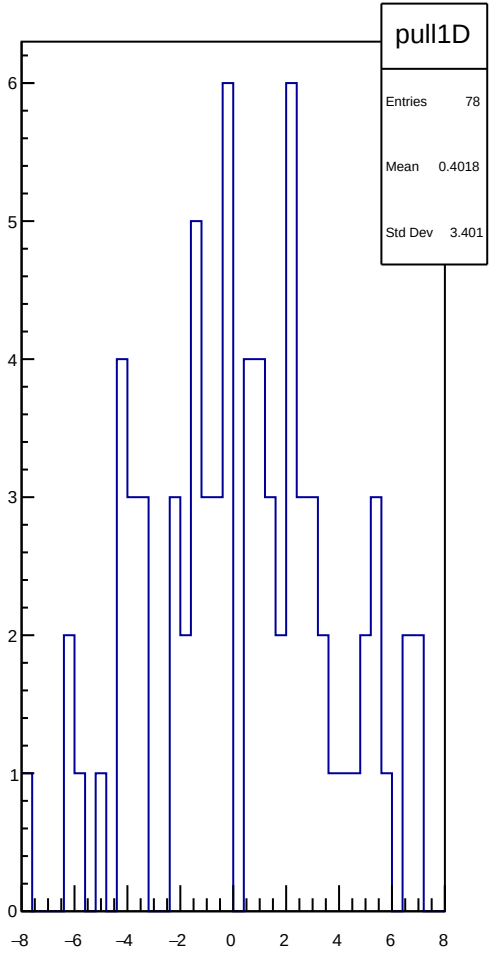

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 983.6 / 77
p0 −51.86 ± 0.3507
pull
Entries 78
Mean 266.7
Std Dev 226.5

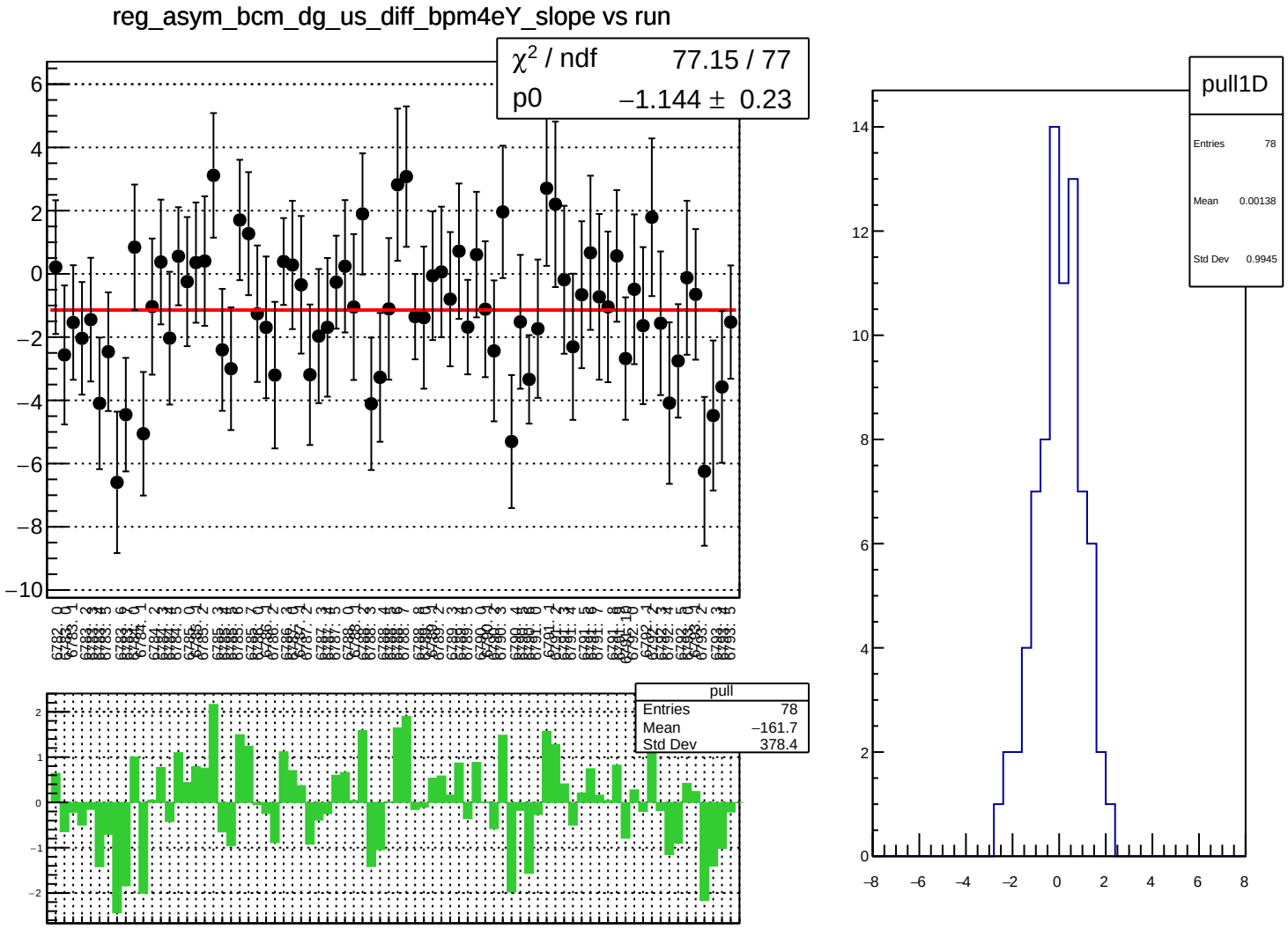

pull1D
Entries 78
Mean −0.3979
Std Dev 3.396

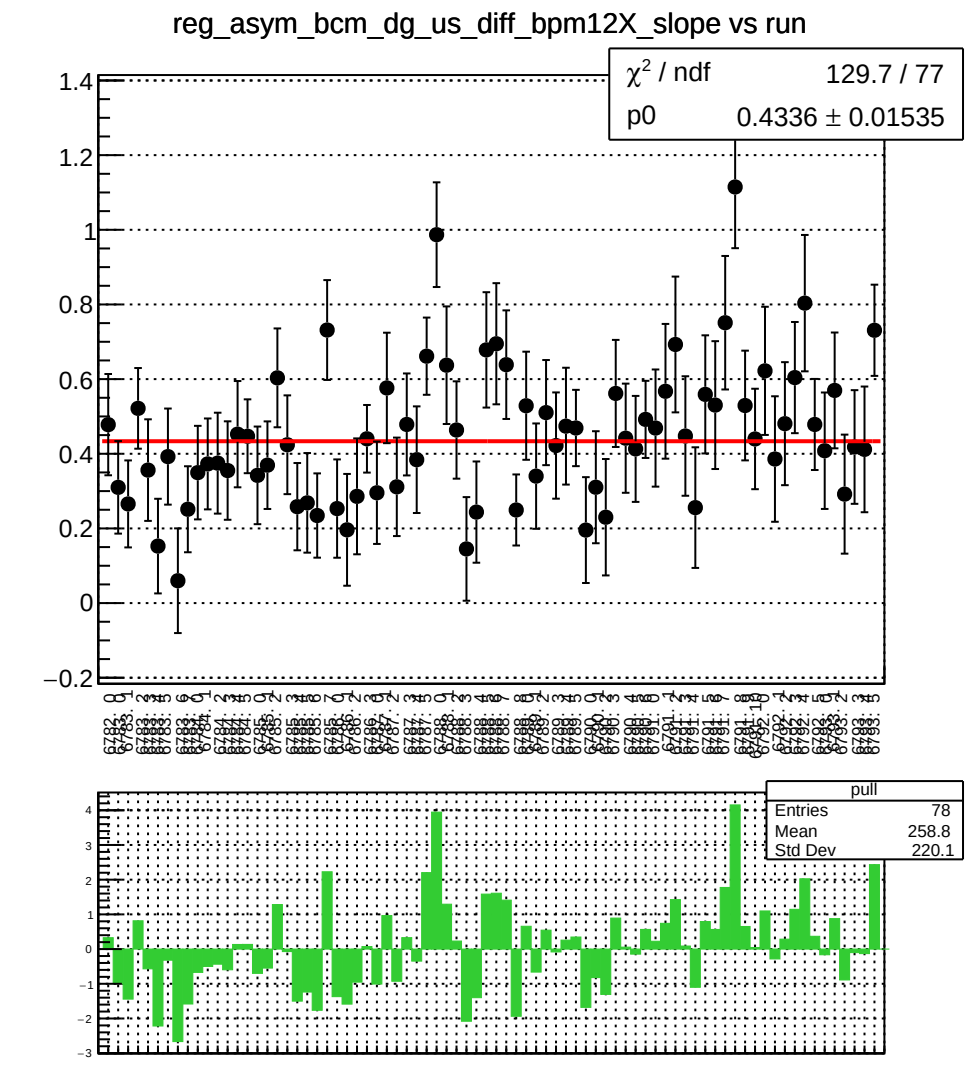

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 75.44 / 77
p0 0.4424 ± 0.1677
pull
Entries 78
Mean 203.8
Std Dev 206.6

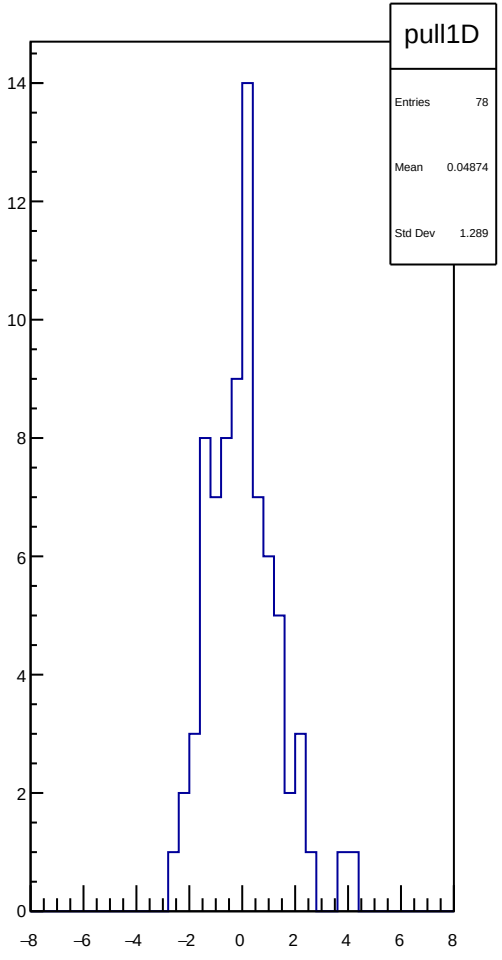

pull1D
Entries 78
Mean −0.00779
Std Dev 0.9834


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 988.9 / 77
p0 47.98 ± 0.3275
pull
Entries 78
Mean 267.2
Std Dev 227


pull1D
Entries 78
Mean 0.4018
Std Dev 3.401


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 77.15 / 77
p0 −1.144 ± 0.23
pull
Entries 78
Mean −161.7
Std Dev 378.4
pull1D
Entries 78
Mean 0.00138
Std Dev 0.9945


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 129.7 / 77
p0 0.4336 ± 0.01535
pull
Entries 78
Mean 258.8
Std Dev 220.1


pull1D
Entries 78
Mean 0.04874
Std Dev 1.289