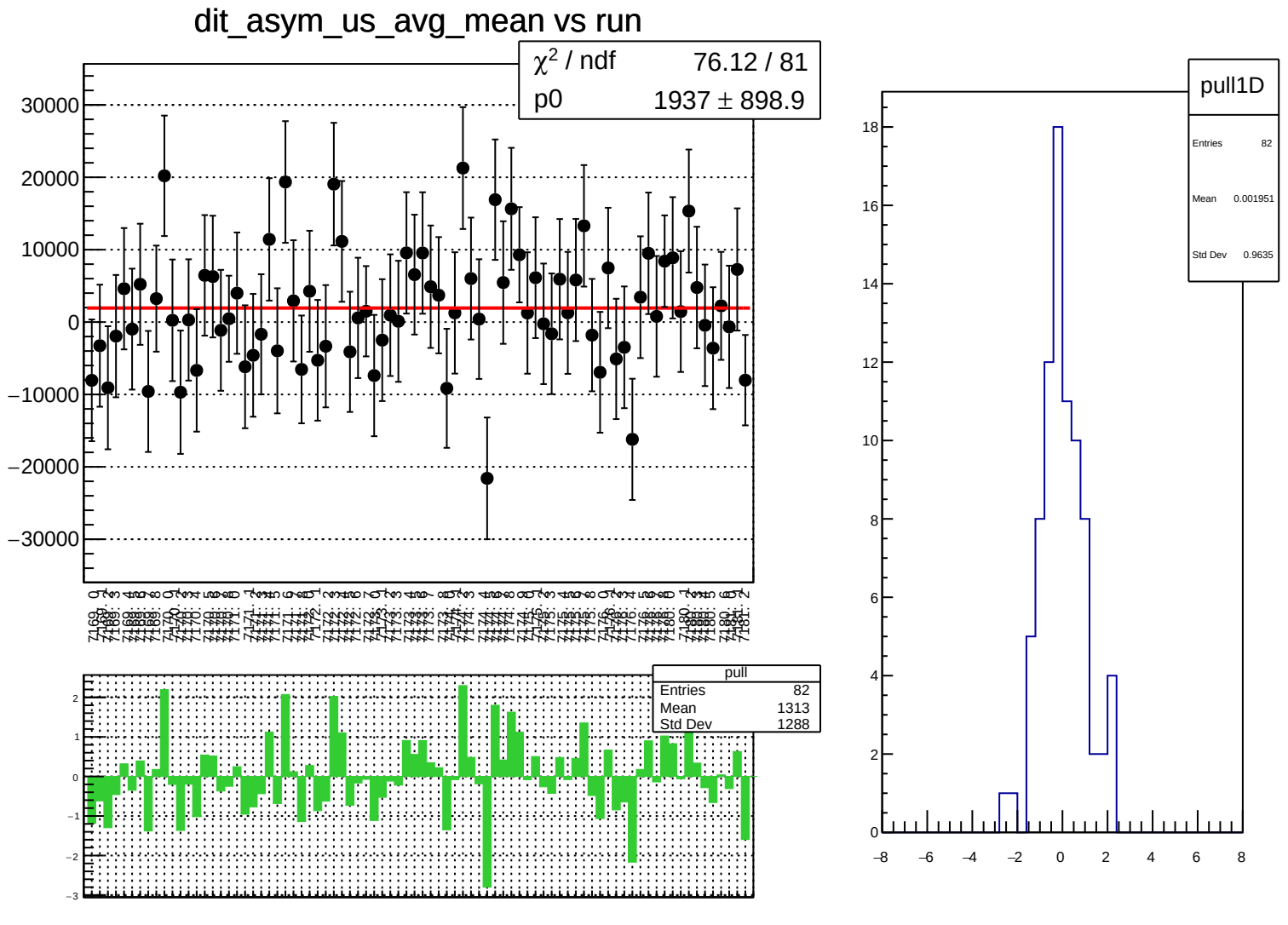
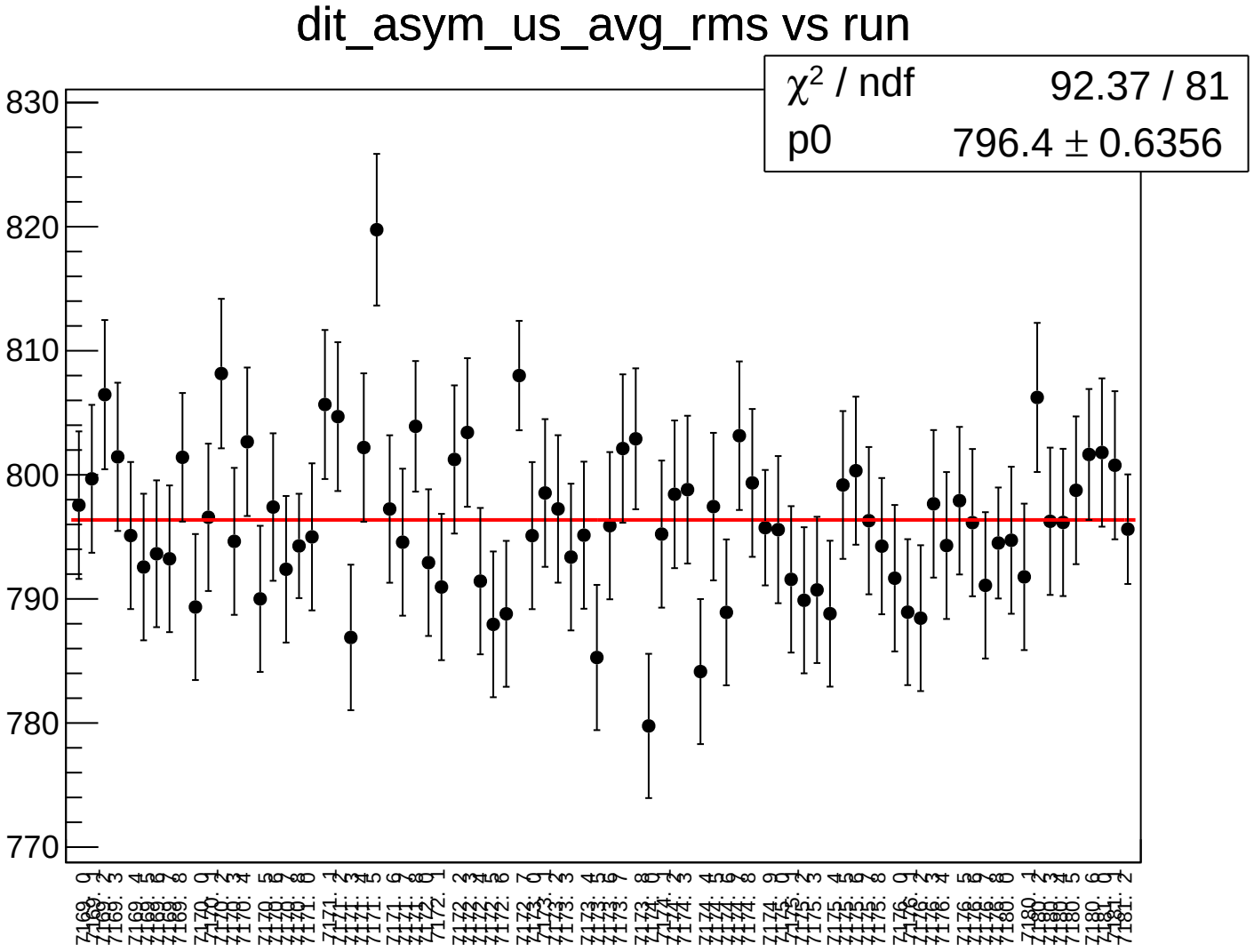
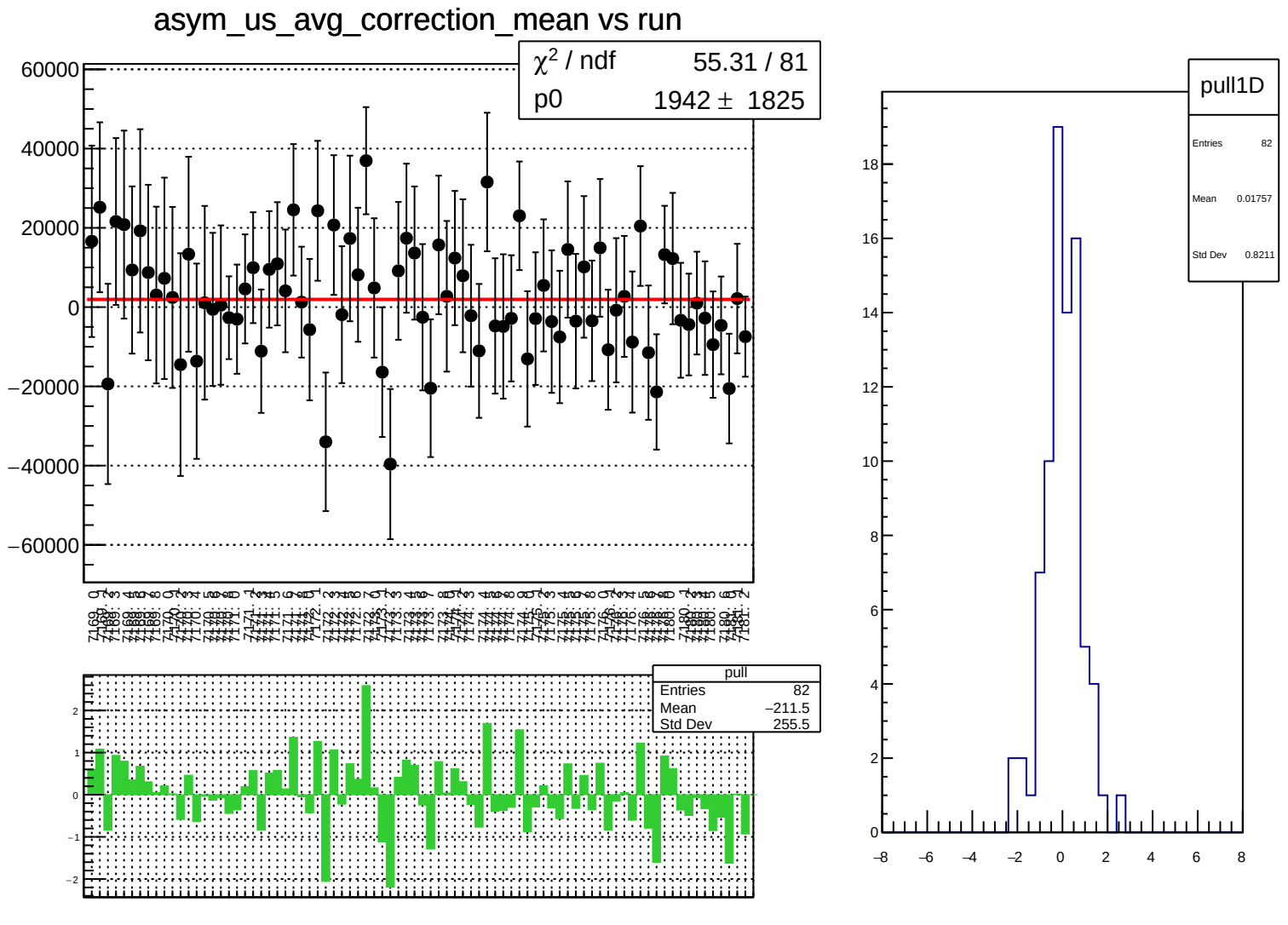
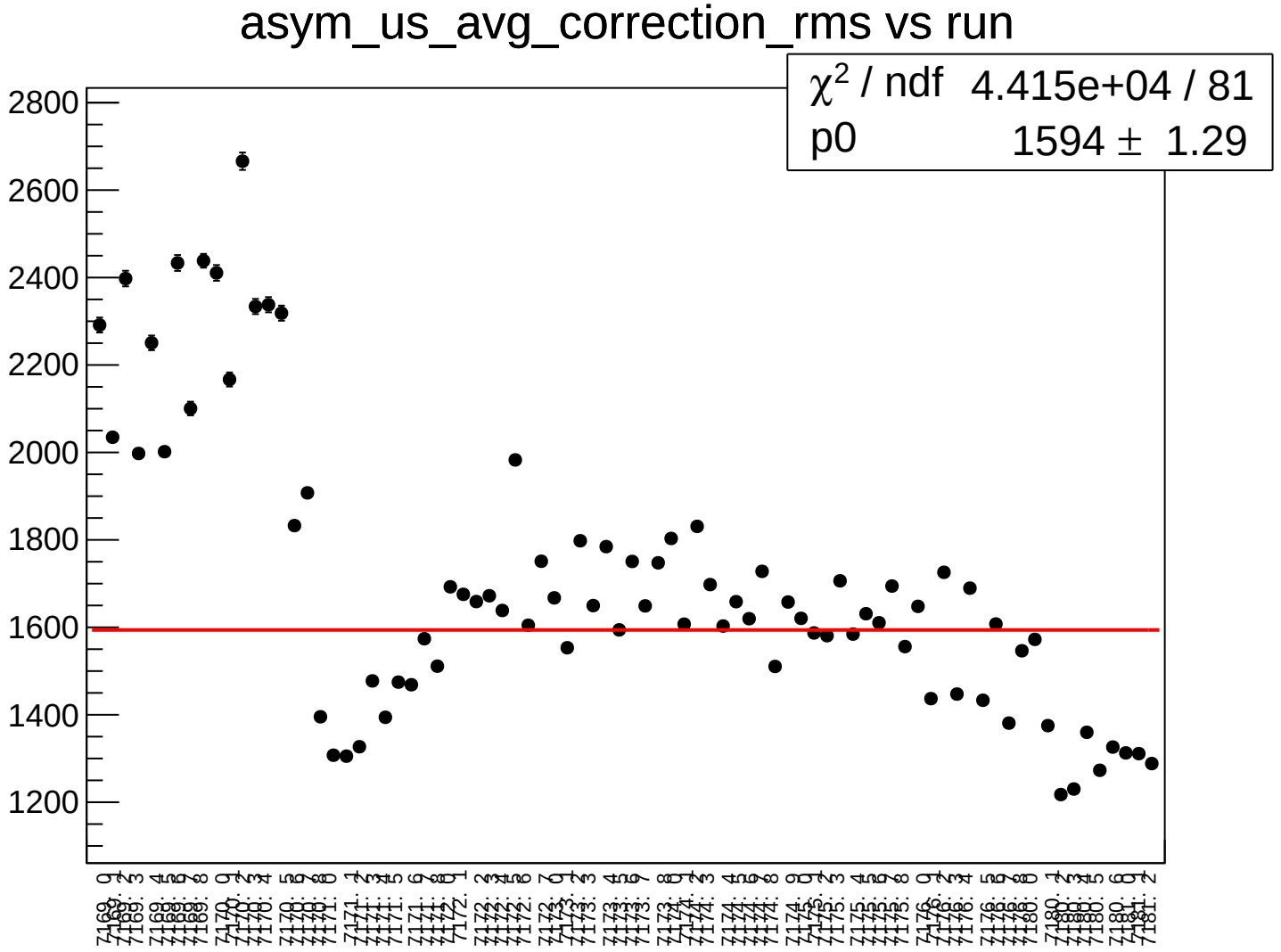
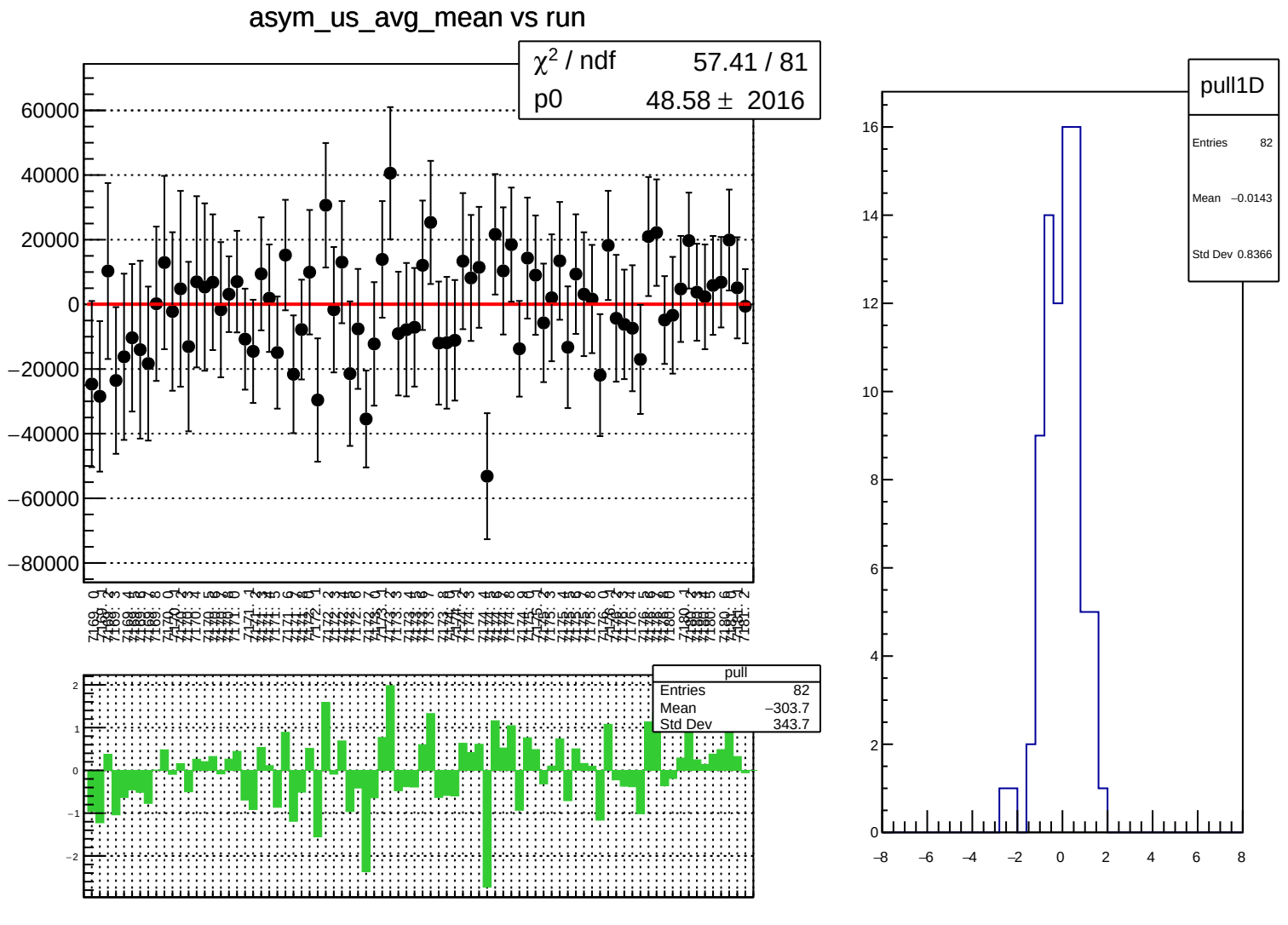
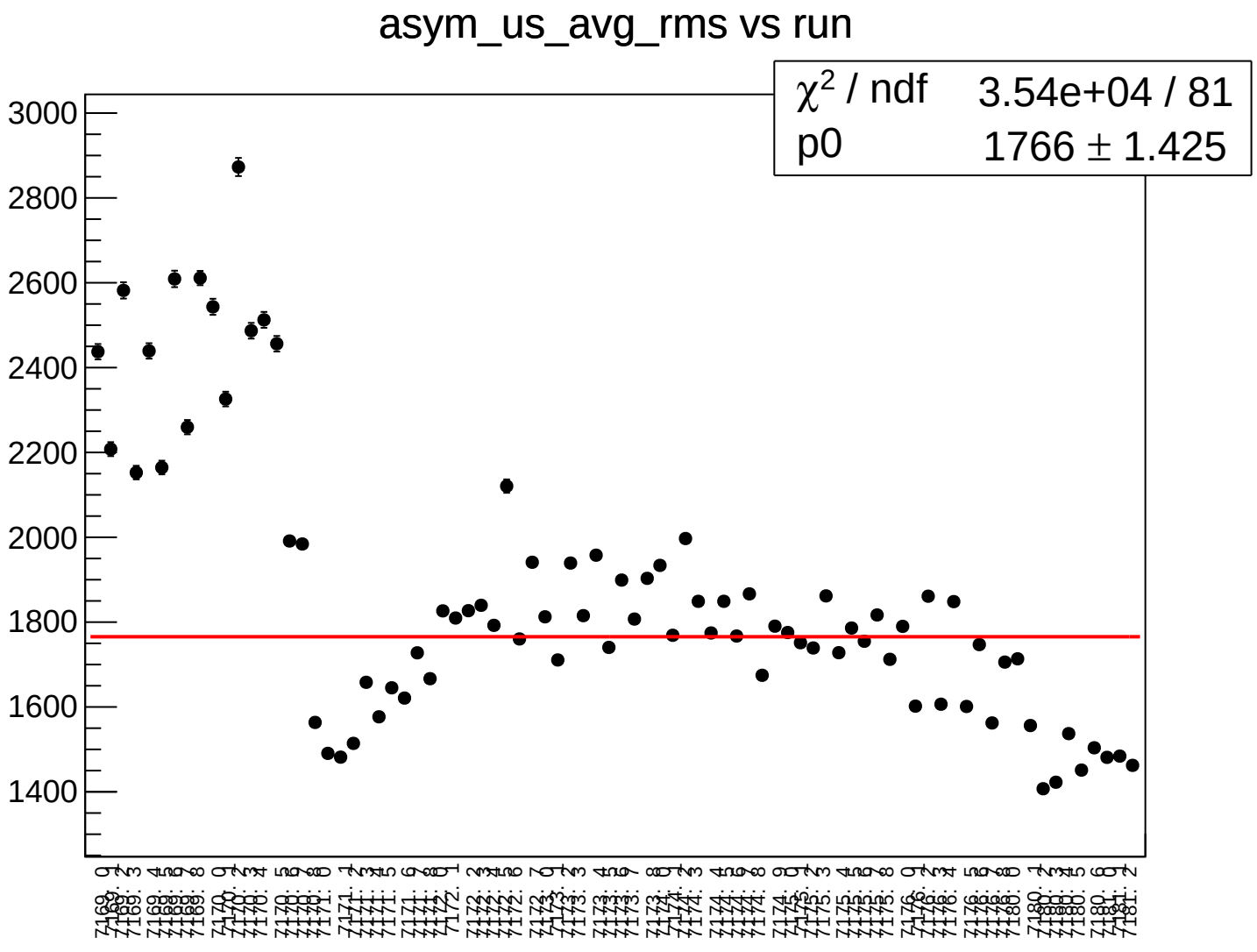

dit_asym_us_avg_mean vs run
χ² / ndf 76.12 / 81
p0 1937 ± 898.9
pull
Entries 82
Mean 1313
Std Dev 1288
pull1D
Entries 82
Mean 0.001951
Std Dev 0.9635

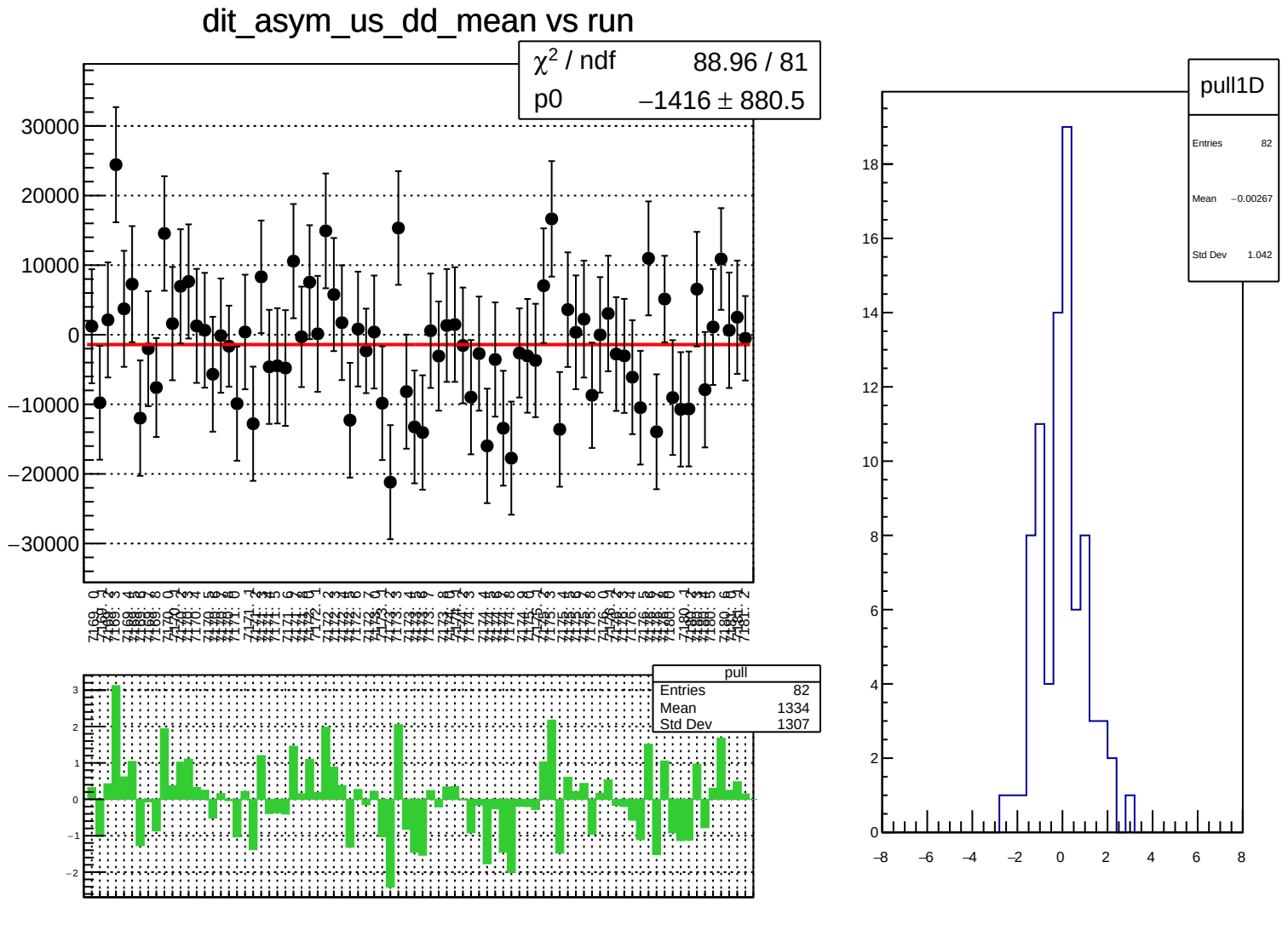

dit_asym_us_avg_rms vs run
χ^2 / ndf 92.37 / 81
p0 796.4 ± 0.6356
830
820
810
800
790
780
770

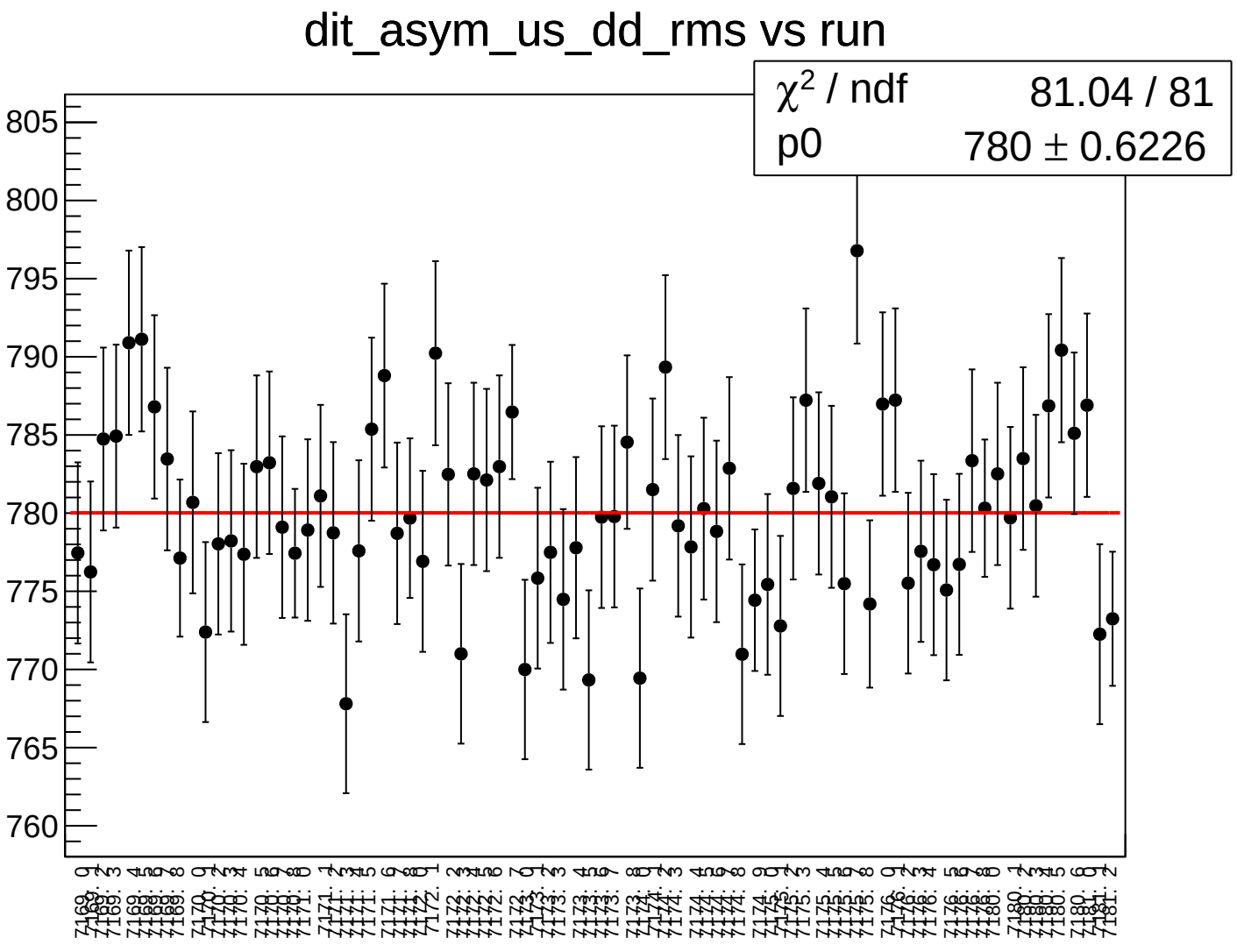

asym_us_avg_correction_mean vs run
χ^2 / ndf 55.31 / 81
p0 1942 ± 1825
pull
Entries 82
Mean −211.5
Std Dev 255.5
pull1D
Entries 82
Mean 0.01757
Std Dev 0.8211

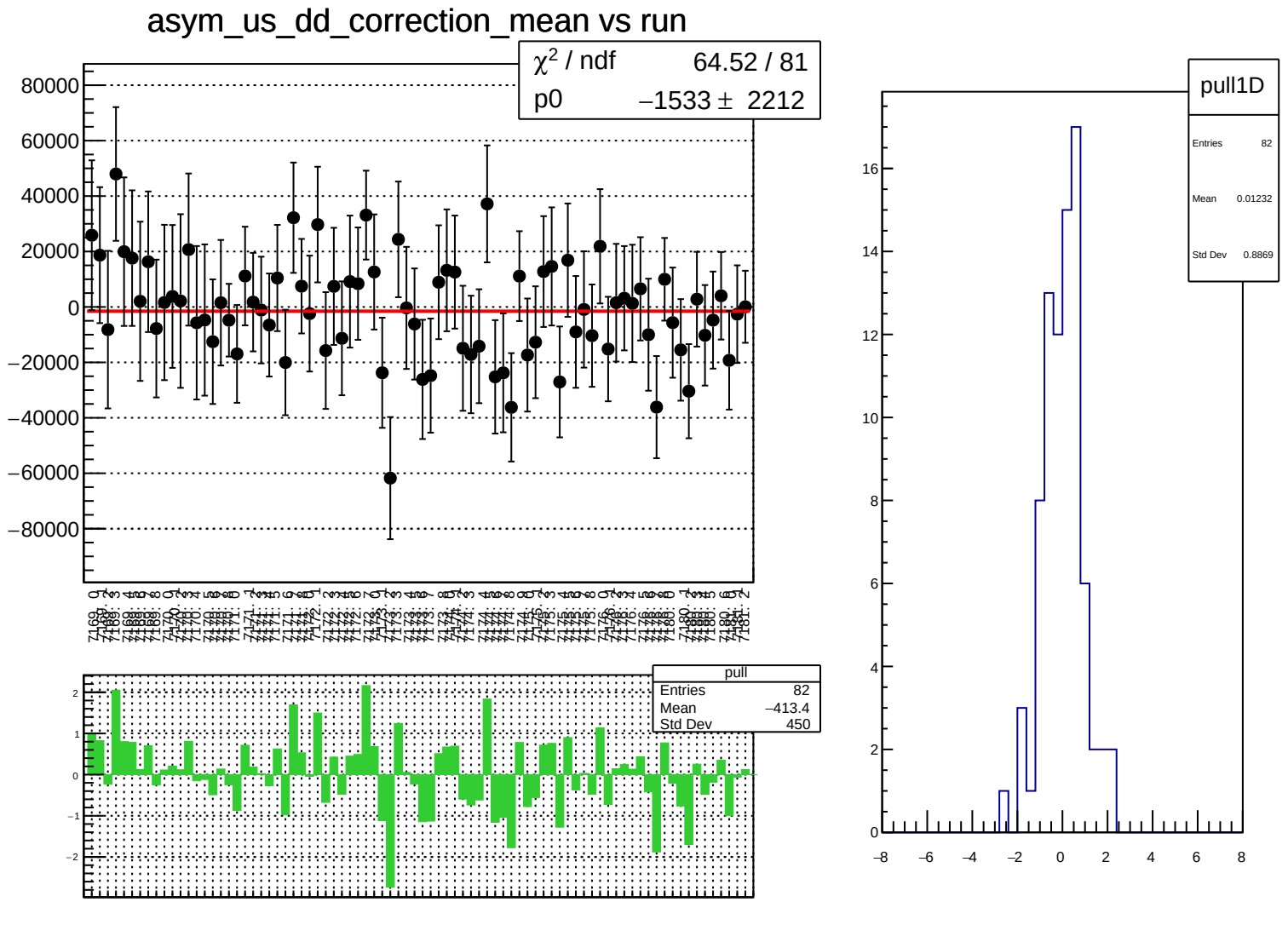

asym_us_avg_correction_rms vs run
χ^2 / ndf 4.415e+04 / 81
p0 1594 ± 1.29
2800
2600
2400
2200
2000
1800
1600
1400
1200

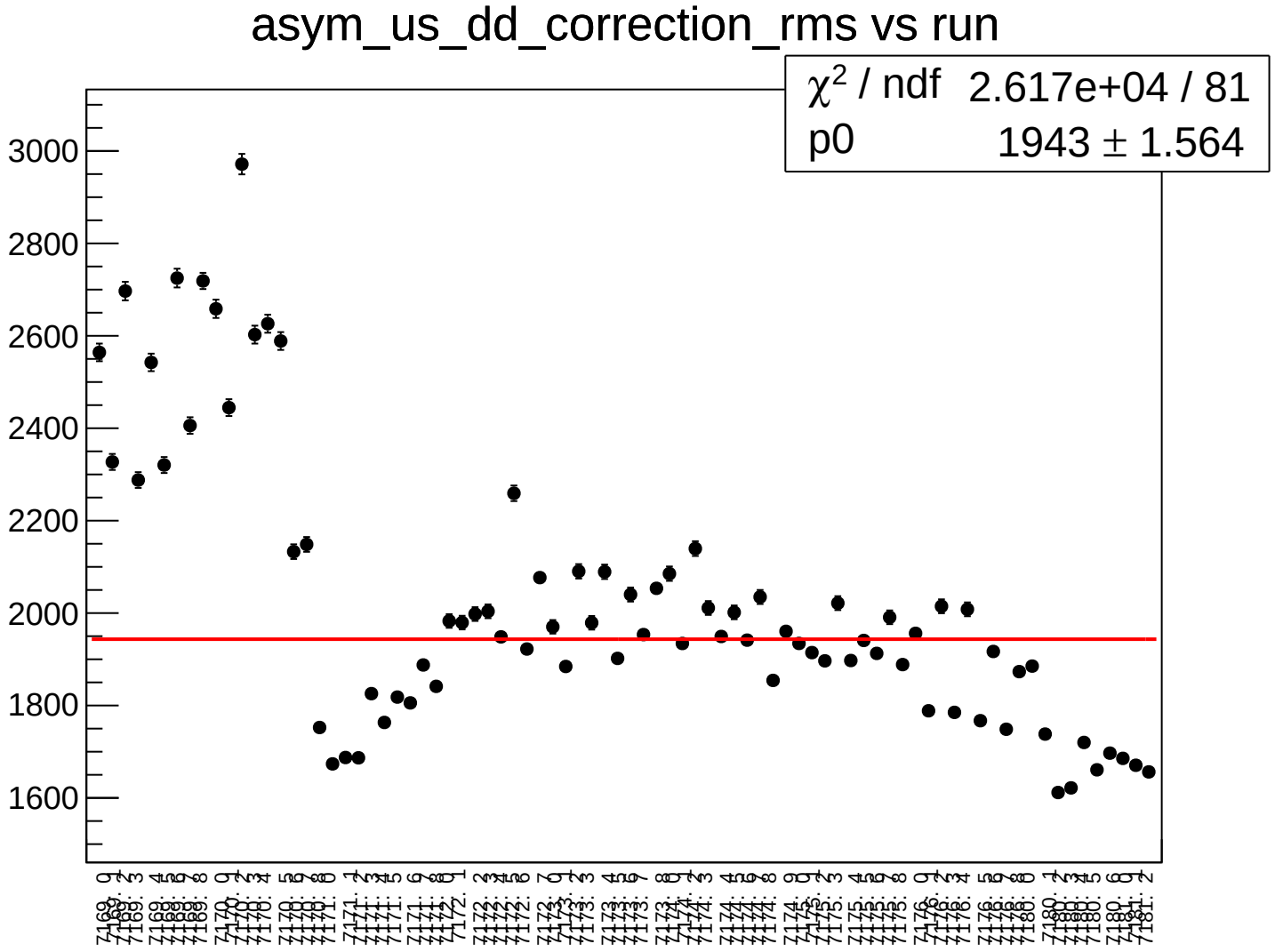

asym_us_avg_mean vs run
χ² / ndf 57.41 / 81
p0 48.58 ± 2016
pull
Entries 82
Mean −303.7
Std Dev 343.7
pull1D
Entries 82
Mean −0.0143
Std Dev 0.8366

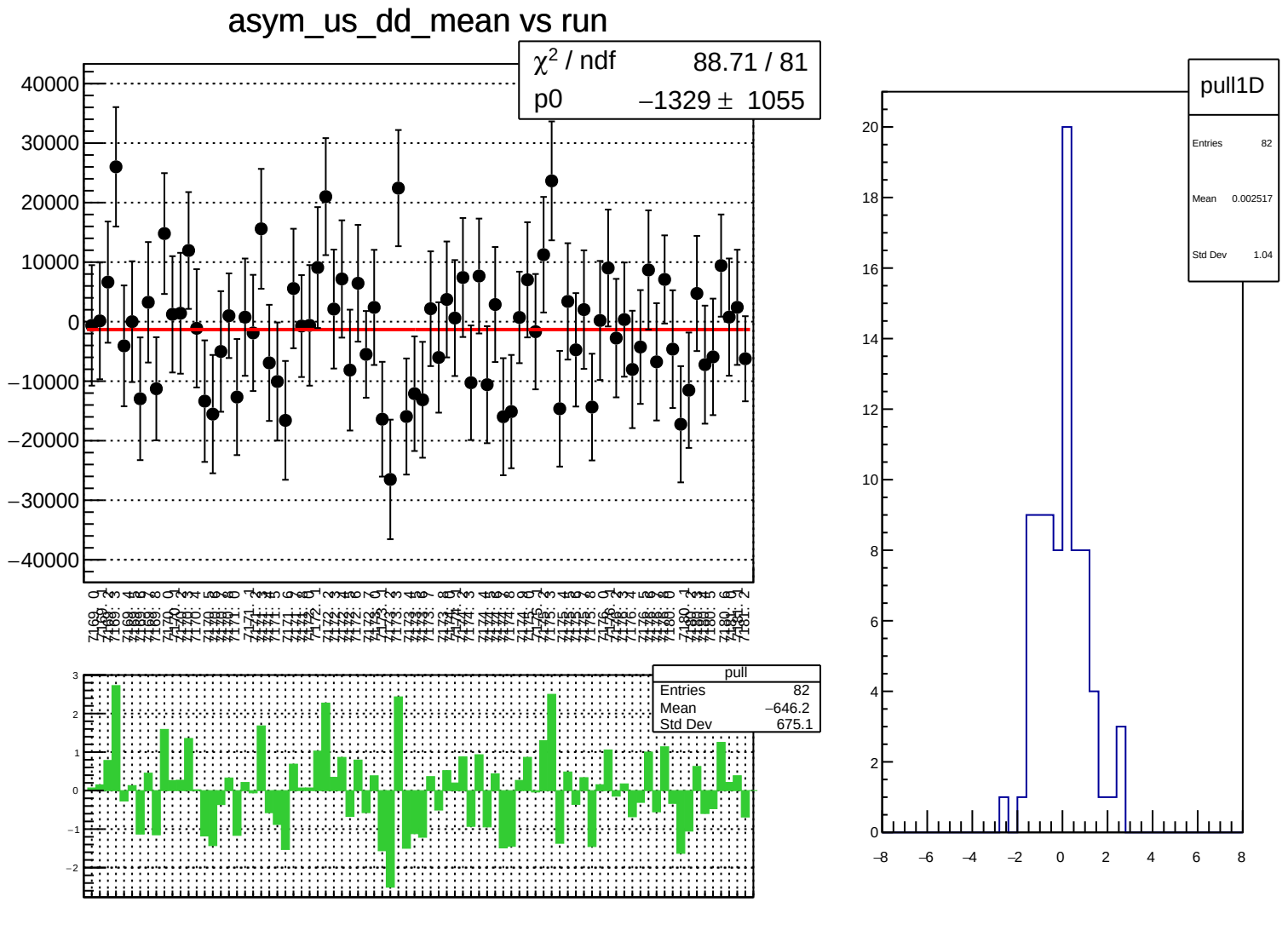

asym_us_avg_rms vs run
χ² / ndf 3.54e+04 / 81
p0 1766 ± 1.425
3000
2800
2600
2400
2200
2000
1800
1600
1400

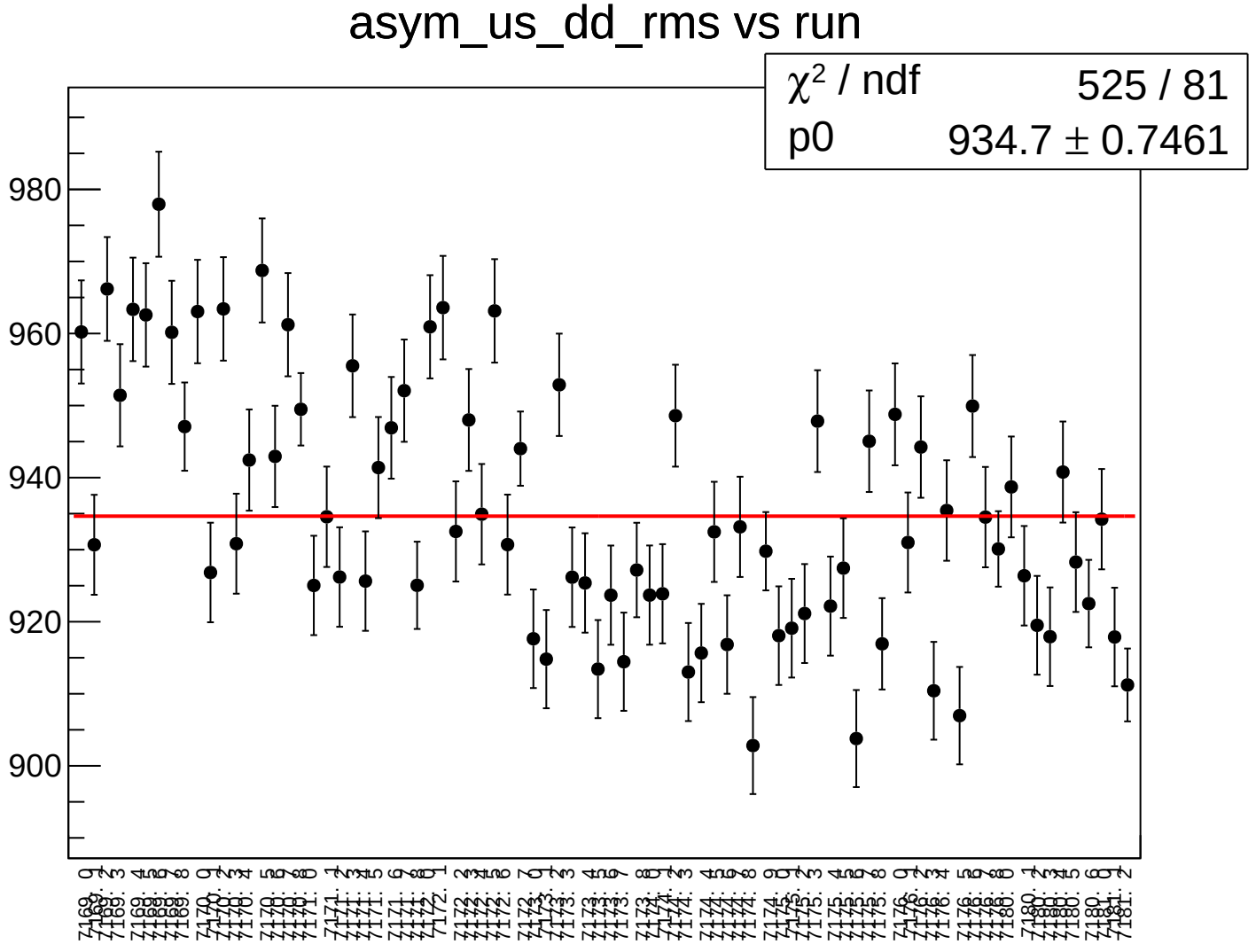

dit_asym_us_dd_mean vs run
χ² / ndf 88.96 / 81
p0 −1416 ± 880.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 1334
Std Dev 1307
pull1D
Entries 82
Mean −0.00267
Std Dev 1.042

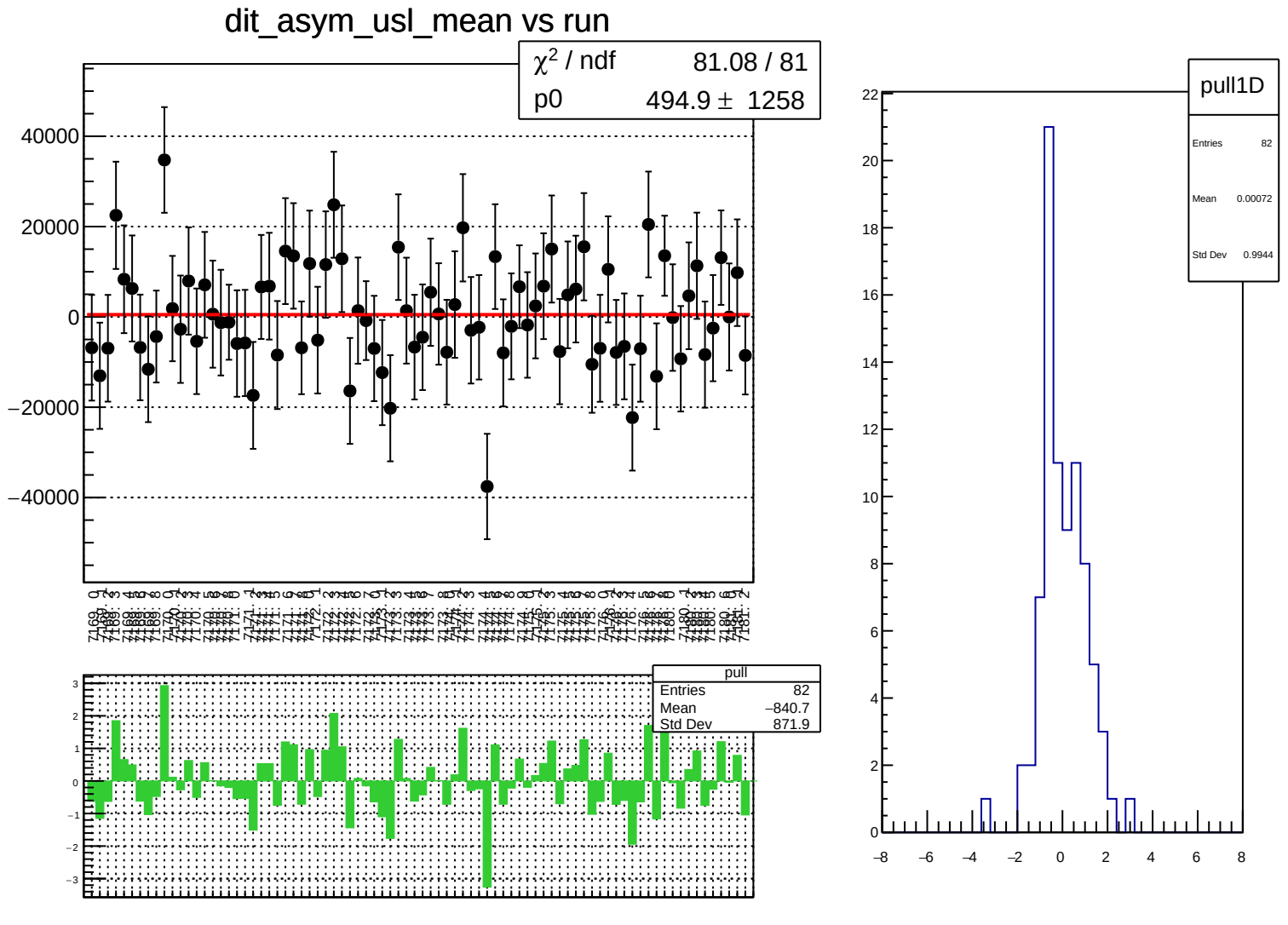

dit_asym_us_dd_rms vs run
χ² / ndf 81.04 / 81
p0 780 ± 0.6226
805
800
795
790
785
780
775
770
765
760

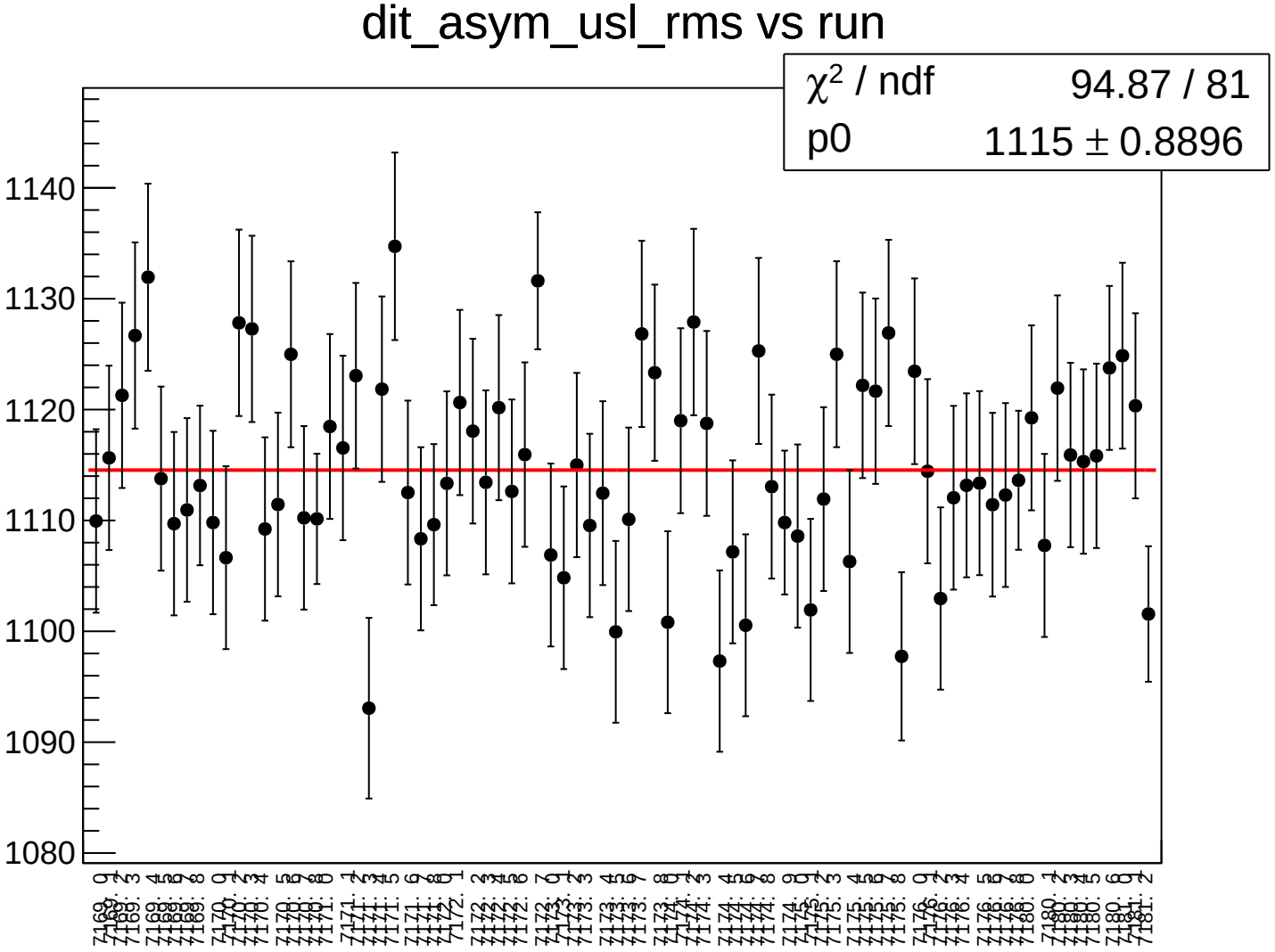

asym_us_dd_correction_mean vs run
χ² / ndf 64.52 / 81
p0 −1533 ± 2212
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 82
Mean −413.4
Std Dev 450
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01232
Std Dev 0.8869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

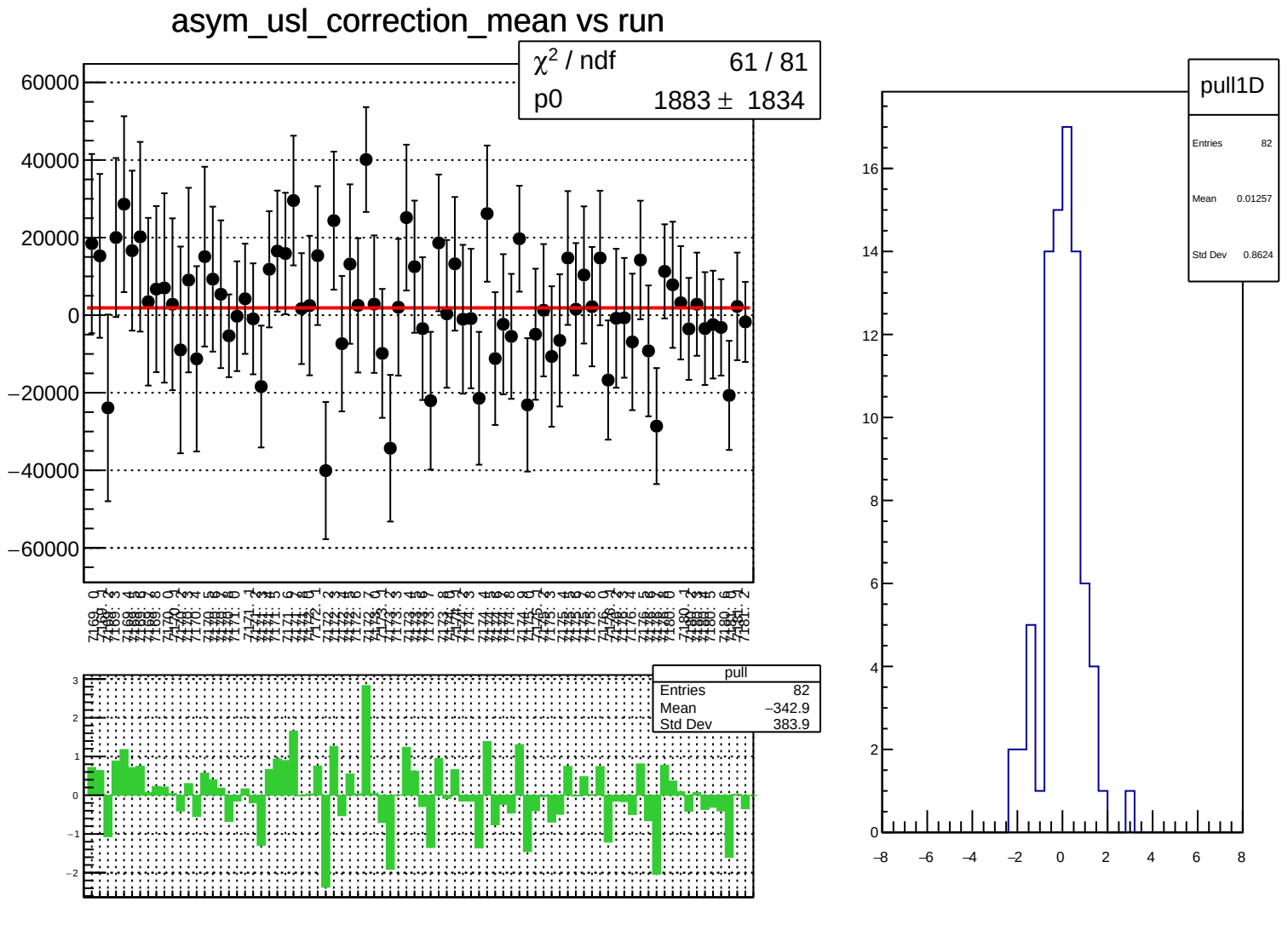

asym_us_dd_correction_rms vs run
χ^2 / ndf 2.617e+04 / 81
p0 1943 ± 1.564
3000
2800
2600
2400
2200
2000
1800
1600

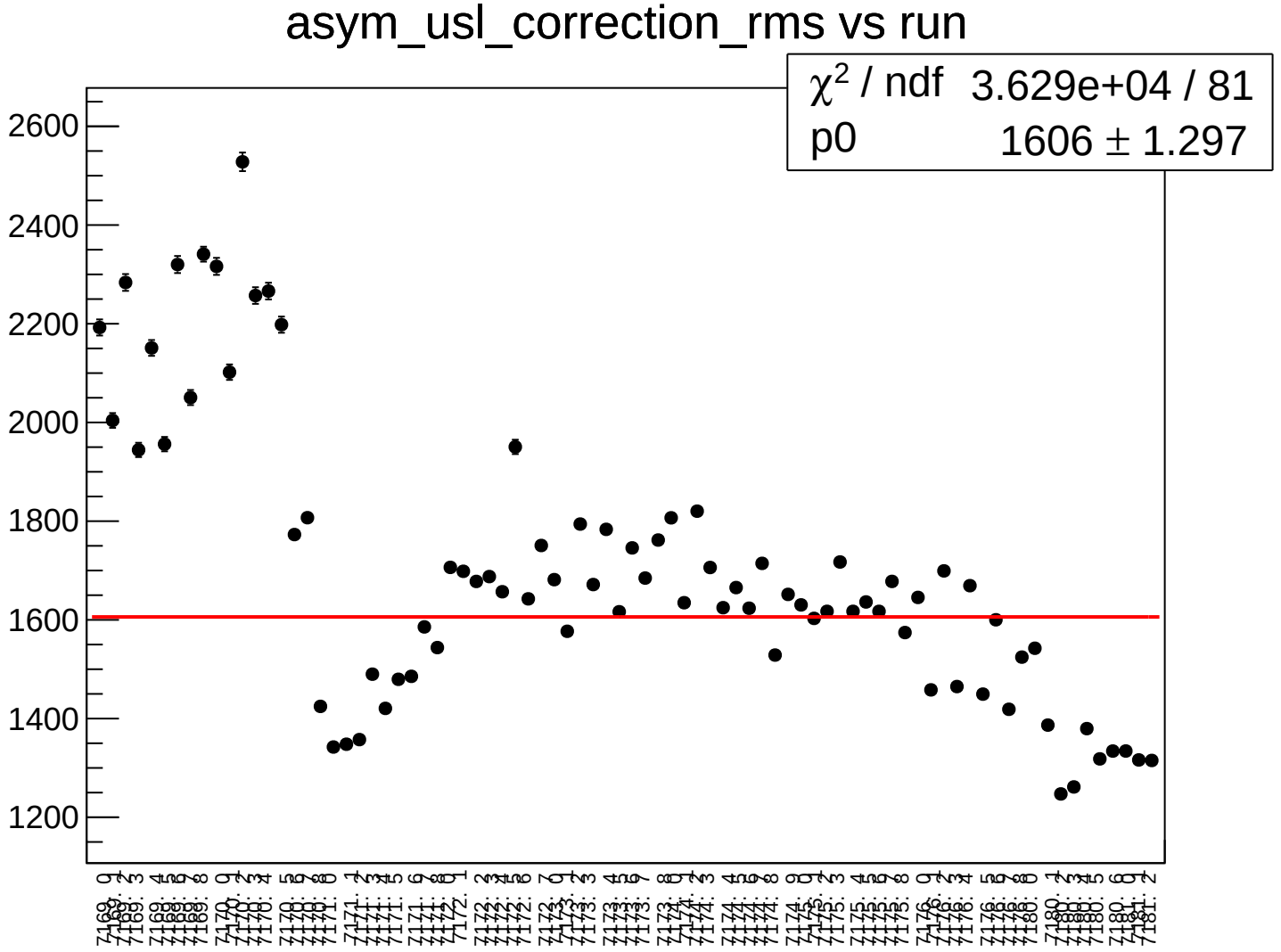

asym_us_dd_mean vs run
χ² / ndf 88.71 / 81
p0 −1329 ± 1055
pull
Entries 82
Mean −646.2
Std Dev 675.1
pull1D
Entries 82
Mean 0.002517
Std Dev 1.04

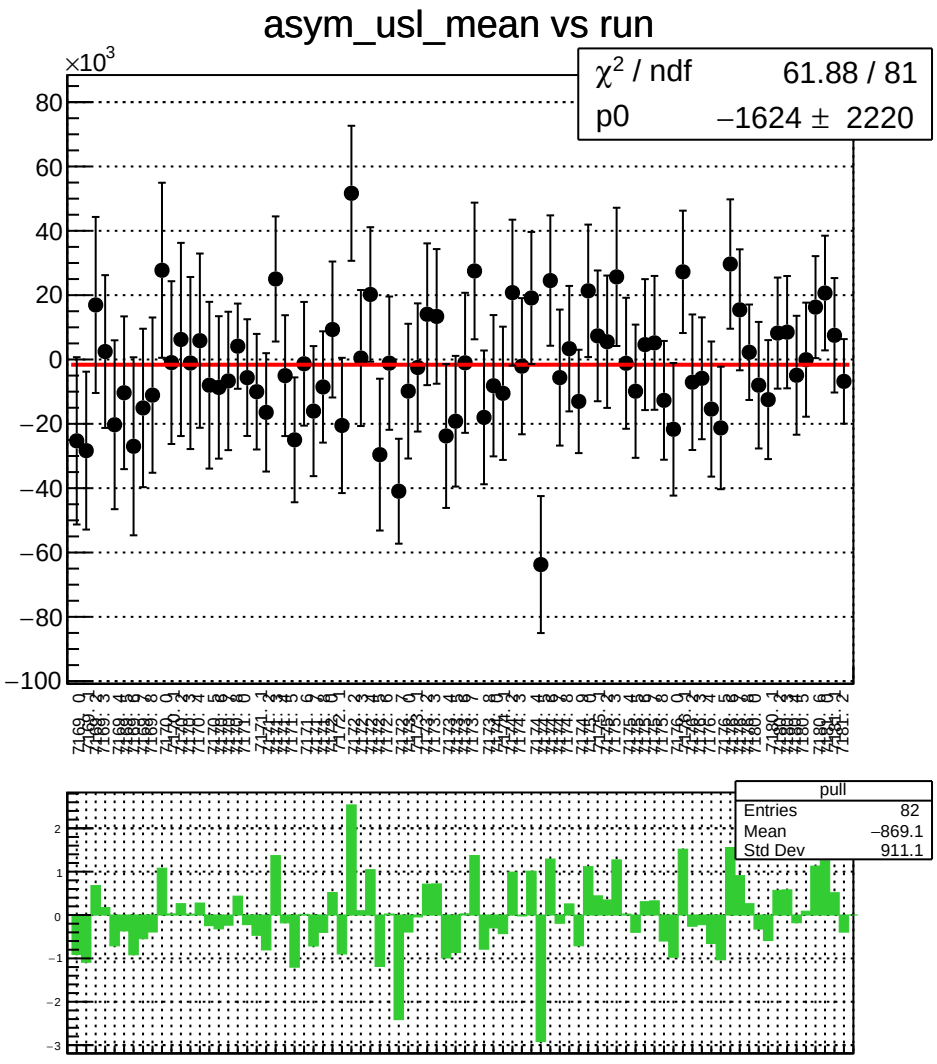

asym_us_dd_rms vs run
χ² / ndf 525 / 81
p0 934.7 ± 0.7461
980
960
940
920
900

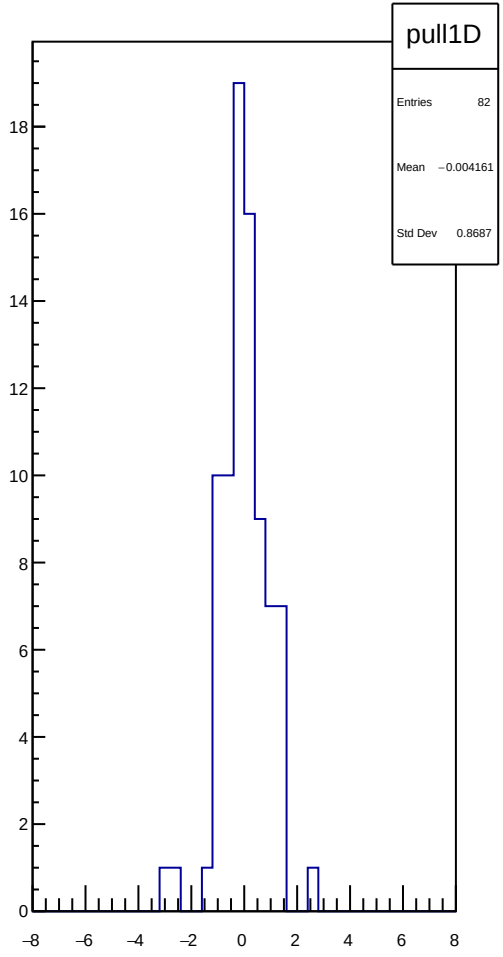

dit_asym_usl_mean vs run
χ² / ndf 81.08 / 81
p0 494.9 ± 1258
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −840.7
Std Dev 871.9
pull1D
Entries 82
Mean 0.00072
Std Dev 0.9944

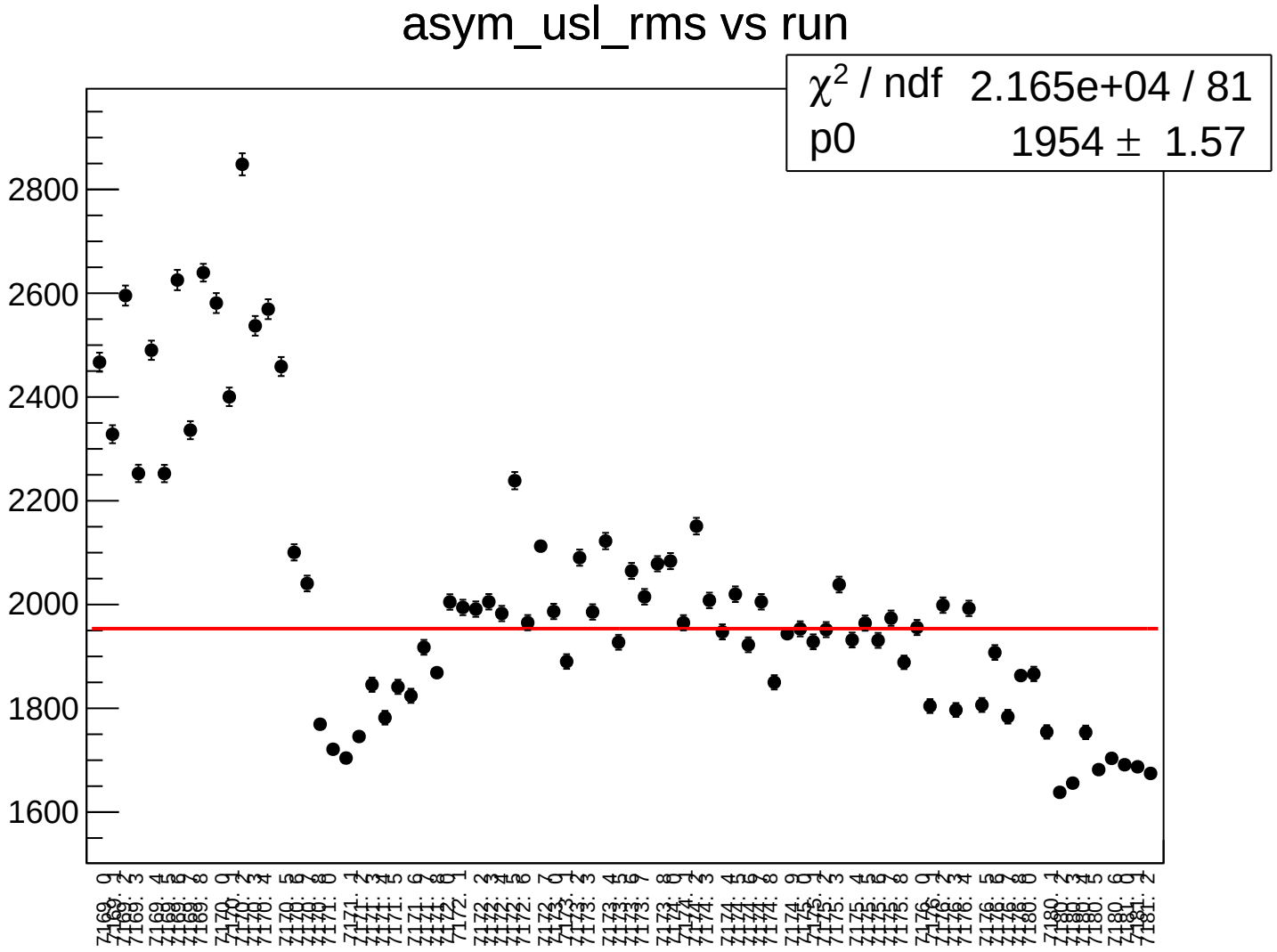

dit_asym_usl_rms vs run
χ² / ndf 94.87 / 81
p0 1115 ± 0.8896
1140
1130
1120
1110
1100
1090
1080

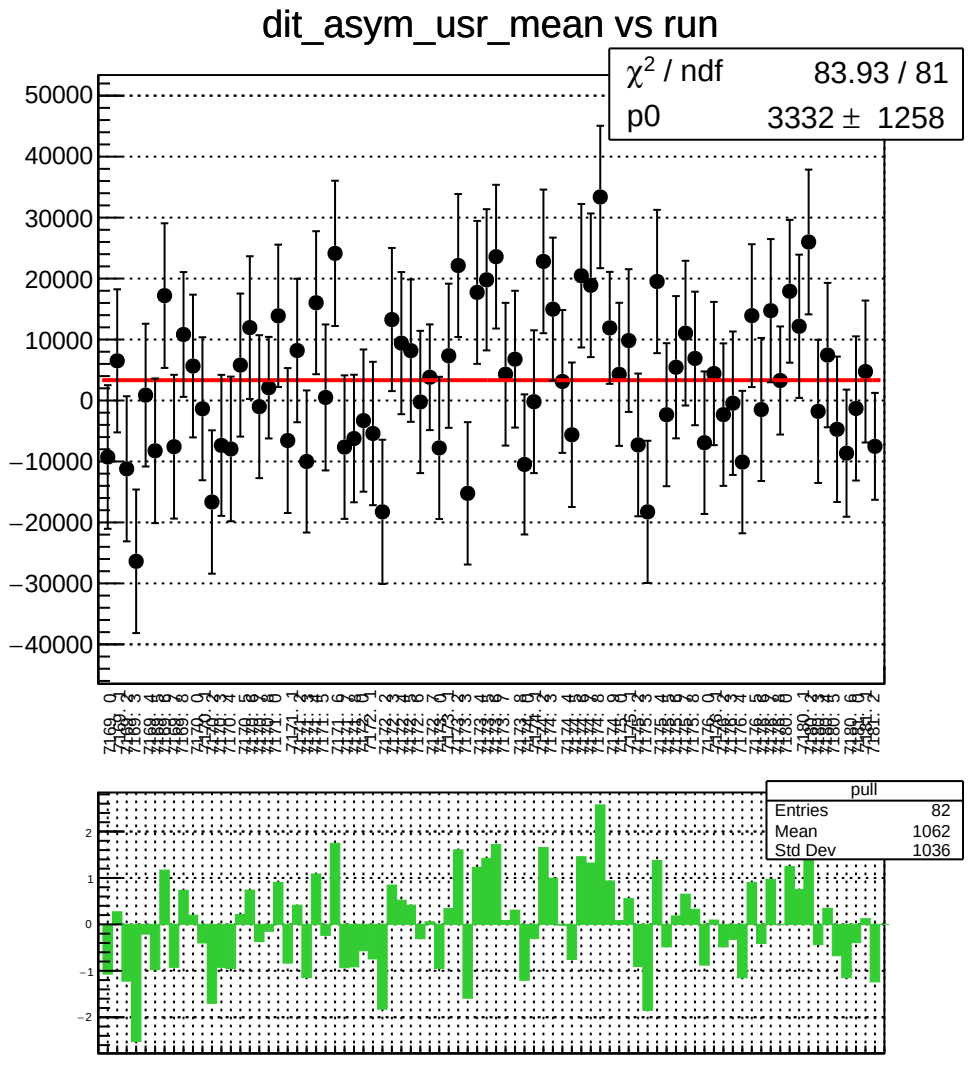

asym_usl_correction_mean vs run
χ² / ndf 61 / 81
p0 1883 ± 1834
pull
Entries 82
Mean −342.9
Std Dev 383.9
pull1D
Entries 82
Mean 0.01257
Std Dev 0.8624

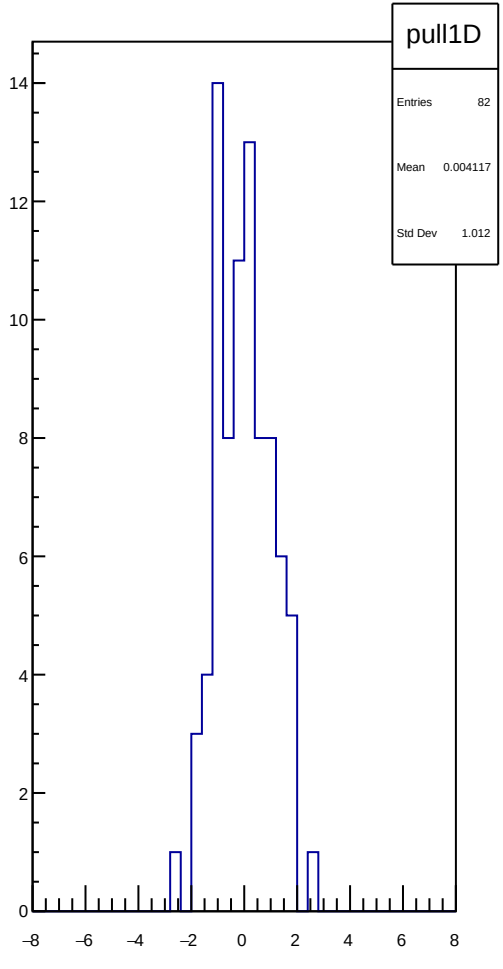

asym_usl_correction_rms vs run
χ^2 / ndf 3.629e+04 / 81
p0 1606 ± 1.297
2600
2400
2200
2000
1800
1600
1400
1200

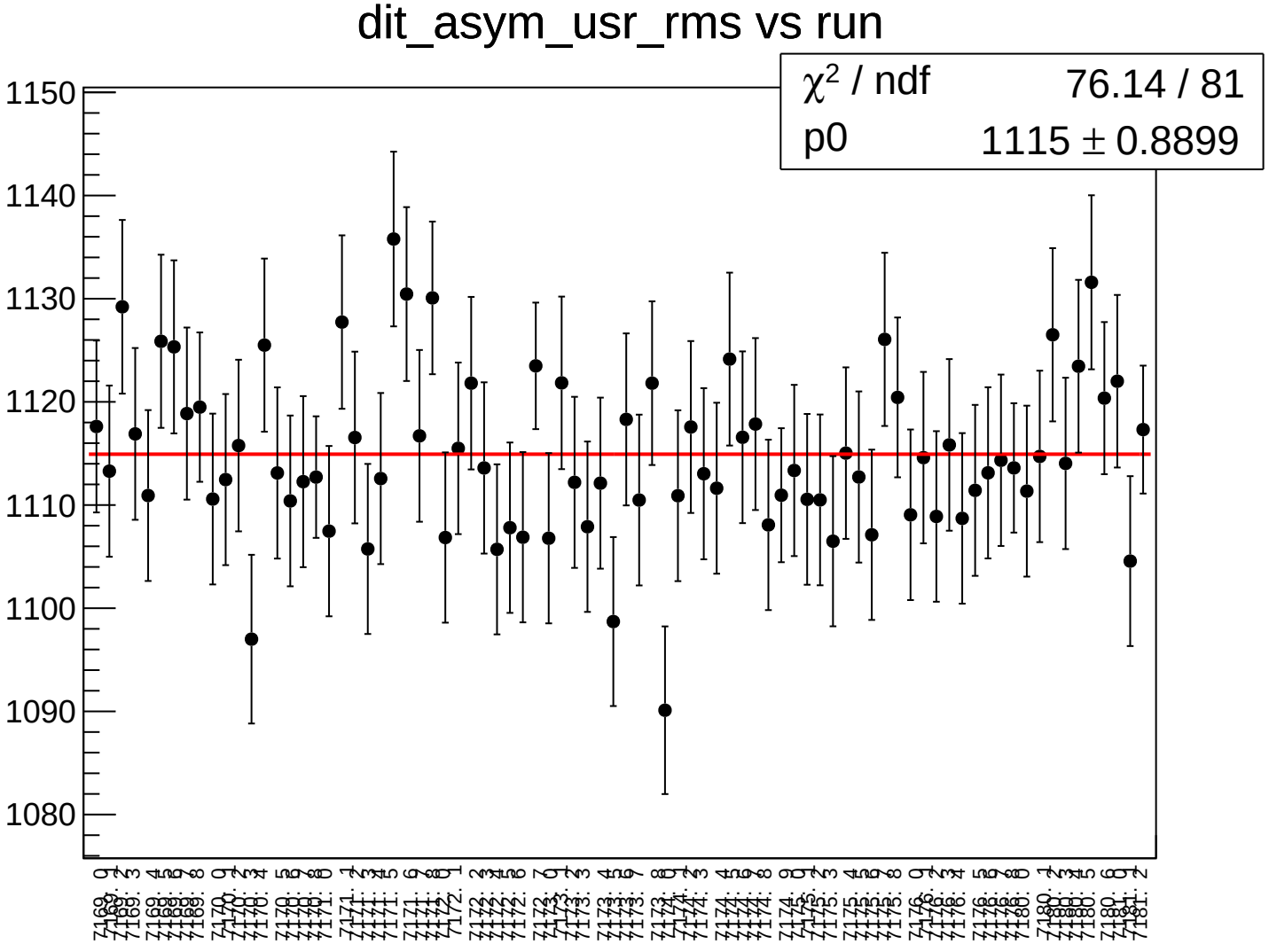

asym_usl_mean vs run
×10^3
χ² / ndf 61.88 / 81
p0 −1624 ± 2220
pull
Entries 82
Mean −869.1
Std Dev 911.1

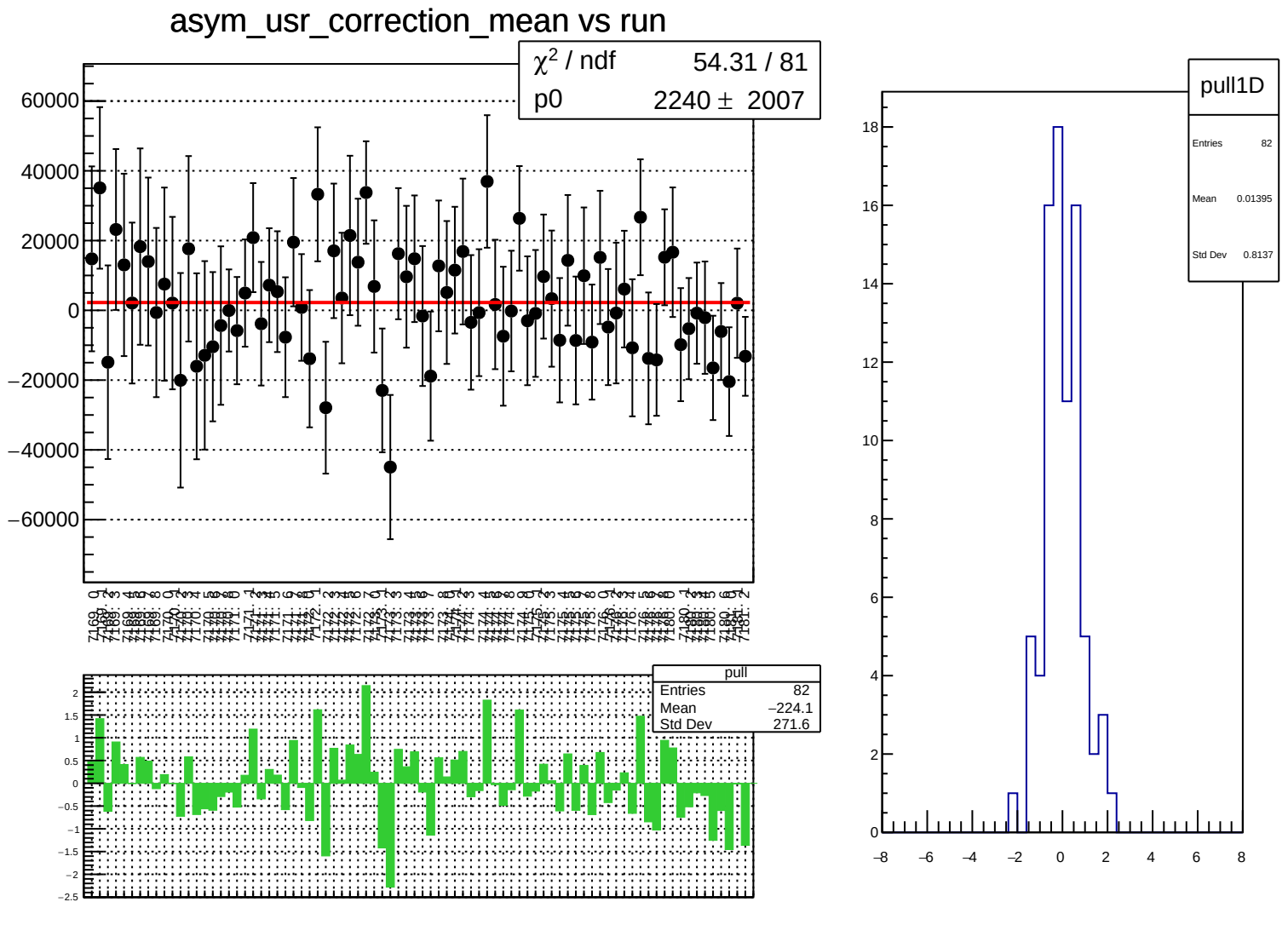

pull1D
Entries 82
Mean −0.004161
Std Dev 0.8687

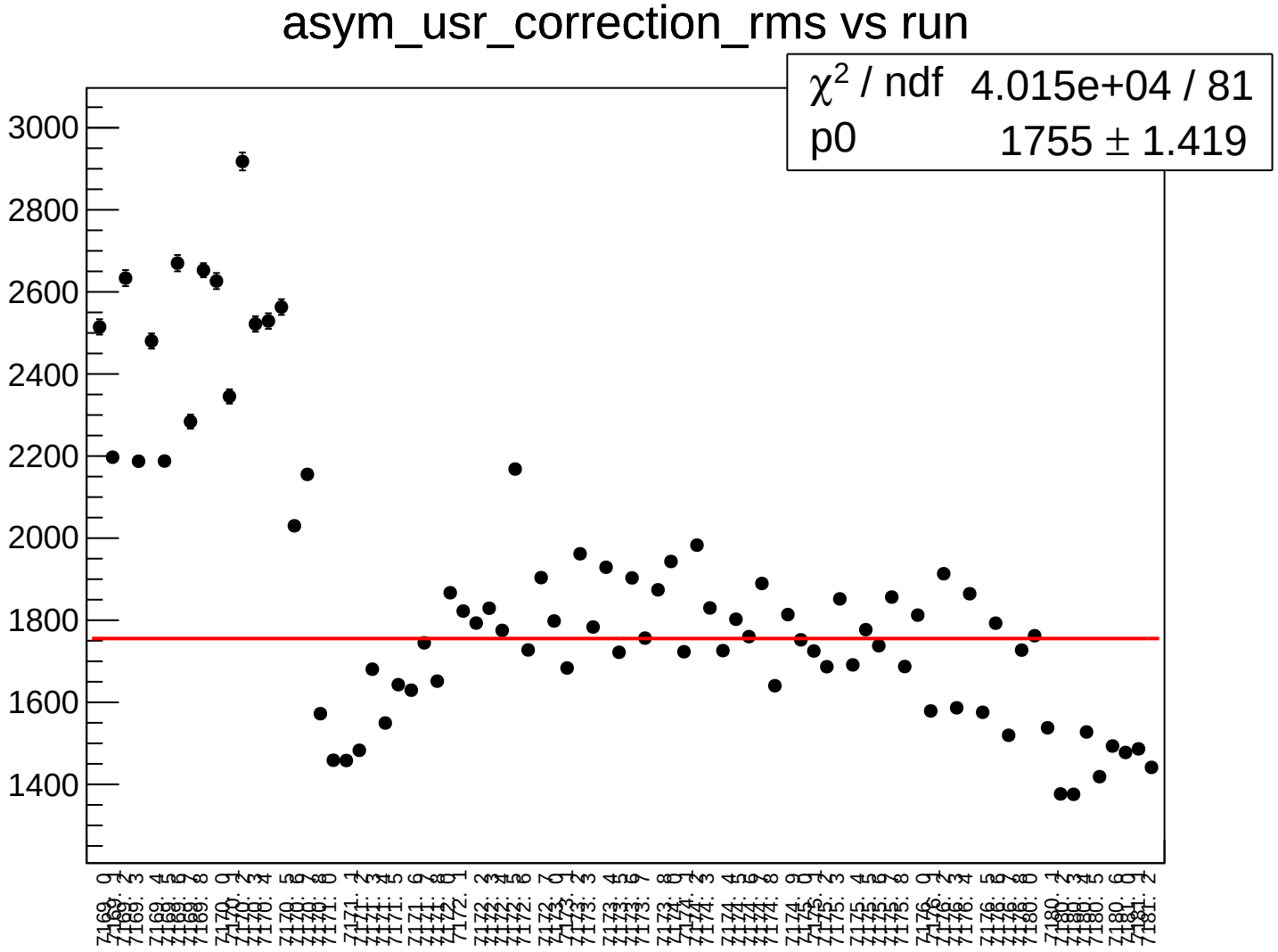

asym_usl_rms vs run
χ^2 / ndf 2.165e+04 / 81
p0 1954 ± 1.57
2800
2600
2400
2200
2000
1800
1600

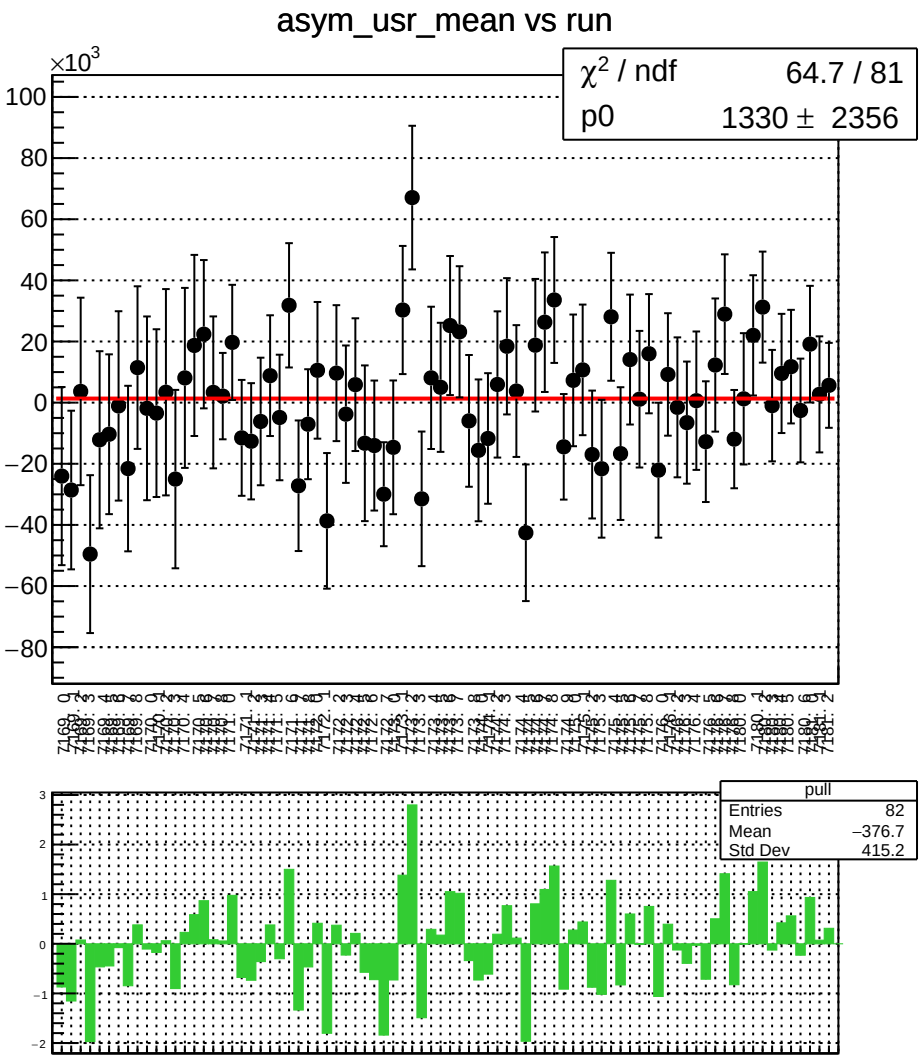

dit_asym_usr_mean vs run
χ² / ndf 83.93 / 81
p0 3332 ± 1258
pull
Entries 82
Mean 1062
Std Dev 1036

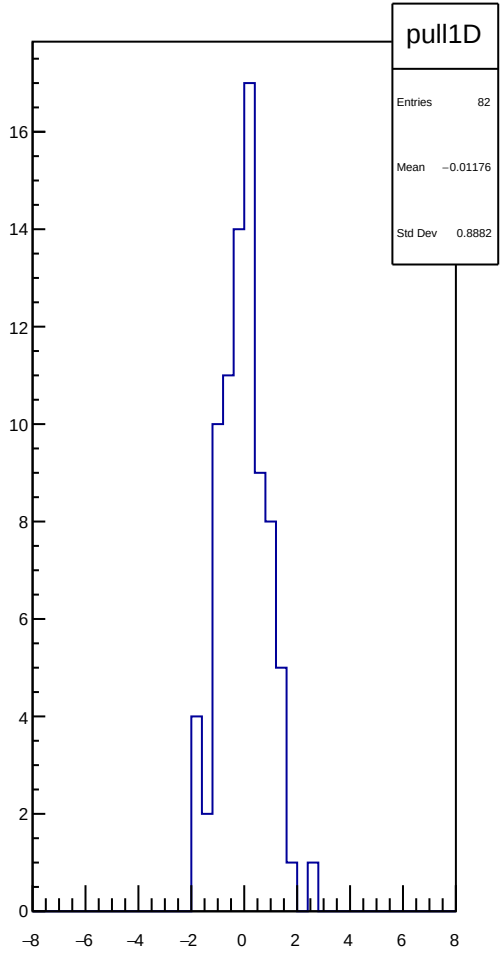

pull1D
Entries 82
Mean 0.004117
Std Dev 1.012

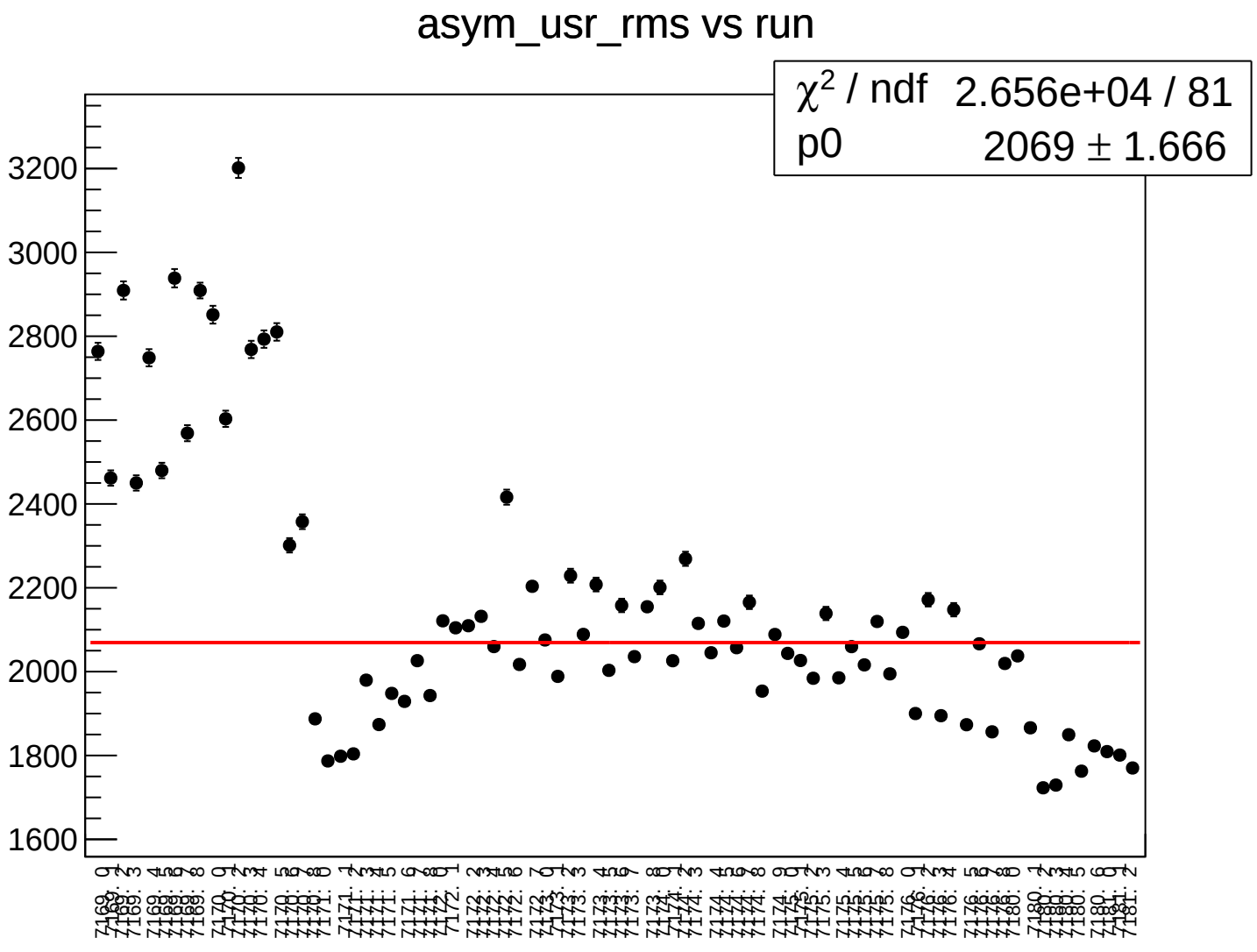

dit_asym_usr_rms vs run
χ² / ndf 76.14 / 81
p0 1115 ± 0.8899
1150
1140
1130
1120
1110
1100
1090
1080

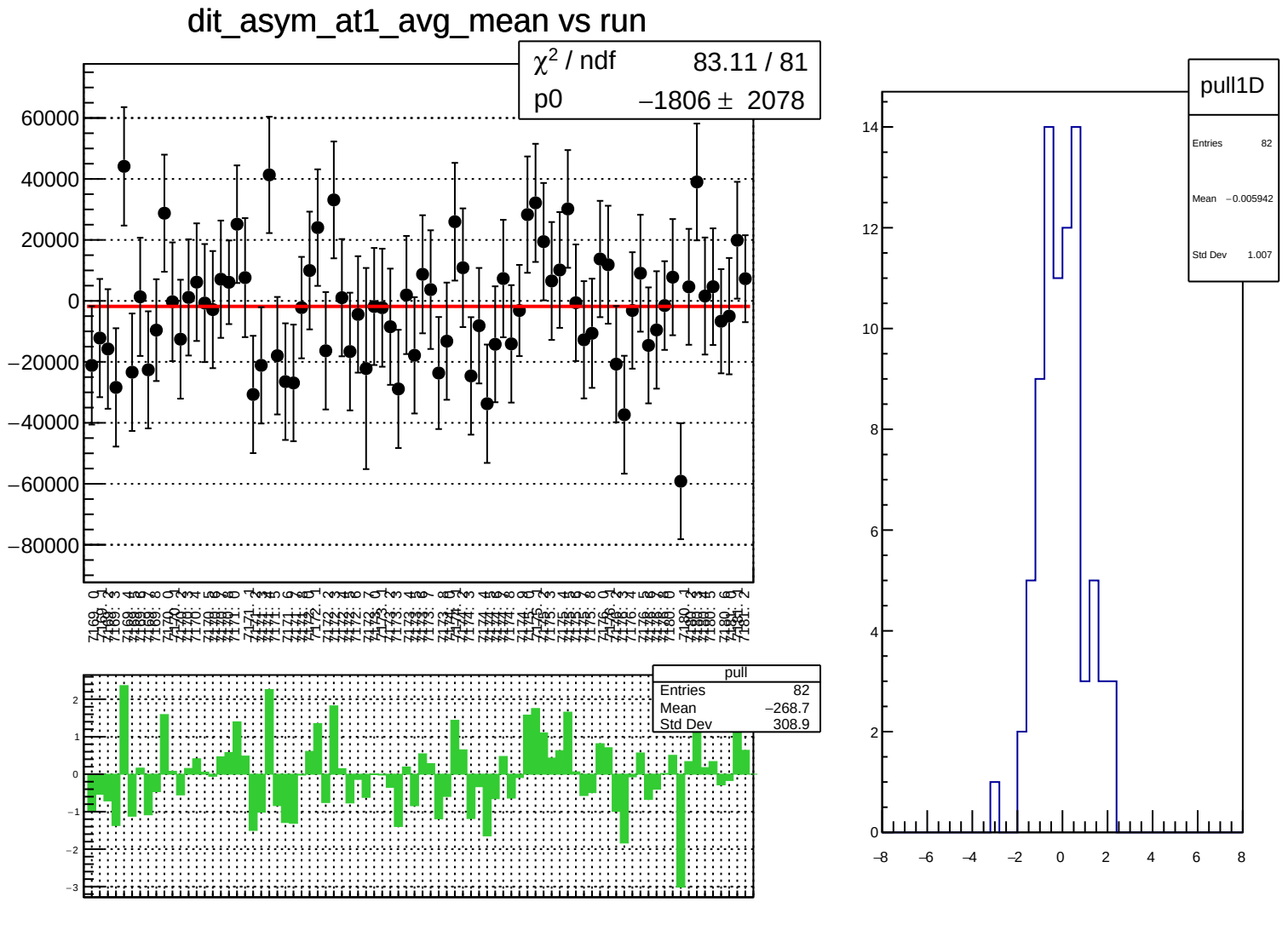

asym_usr_correction_mean vs run
χ² / ndf 54.31 / 81
p0 2240 ± 2007
pull
Entries 82
Mean −224.1
Std Dev 271.6
pull1D
Entries 82
Mean 0.01395
Std Dev 0.8137

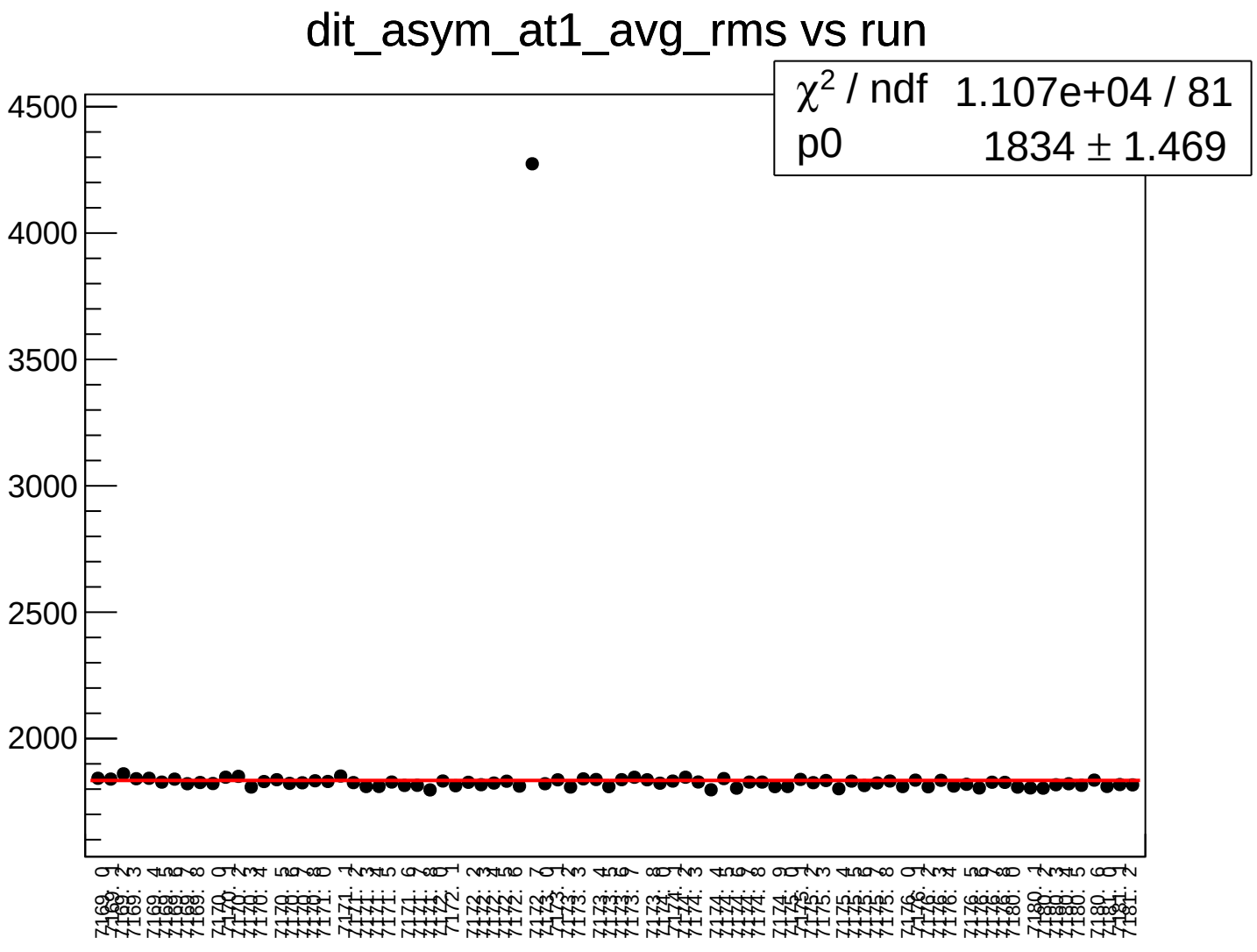

asym_usr_correction_rms vs run
χ^2 / ndf 4.015e+04 / 81
p0 1755 ± 1.419
3000
2800
2600
2400
2200
2000
1800
1600
1400

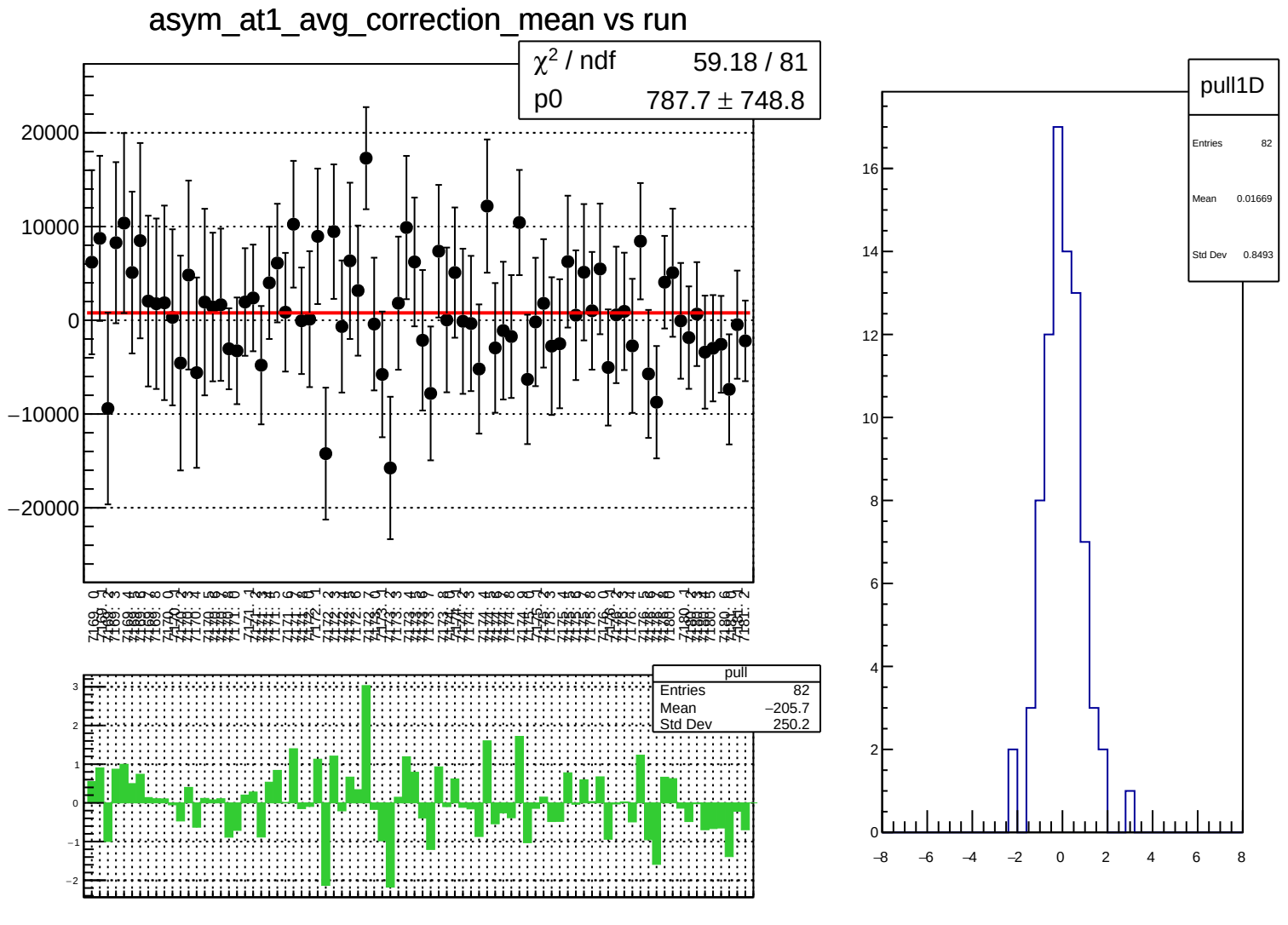

asym_usr_mean vs run
×10^3
χ² / ndf 64.7 / 81
p0 1330 ± 2356
pull
Entries 82
Mean −376.7
Std Dev 415.2

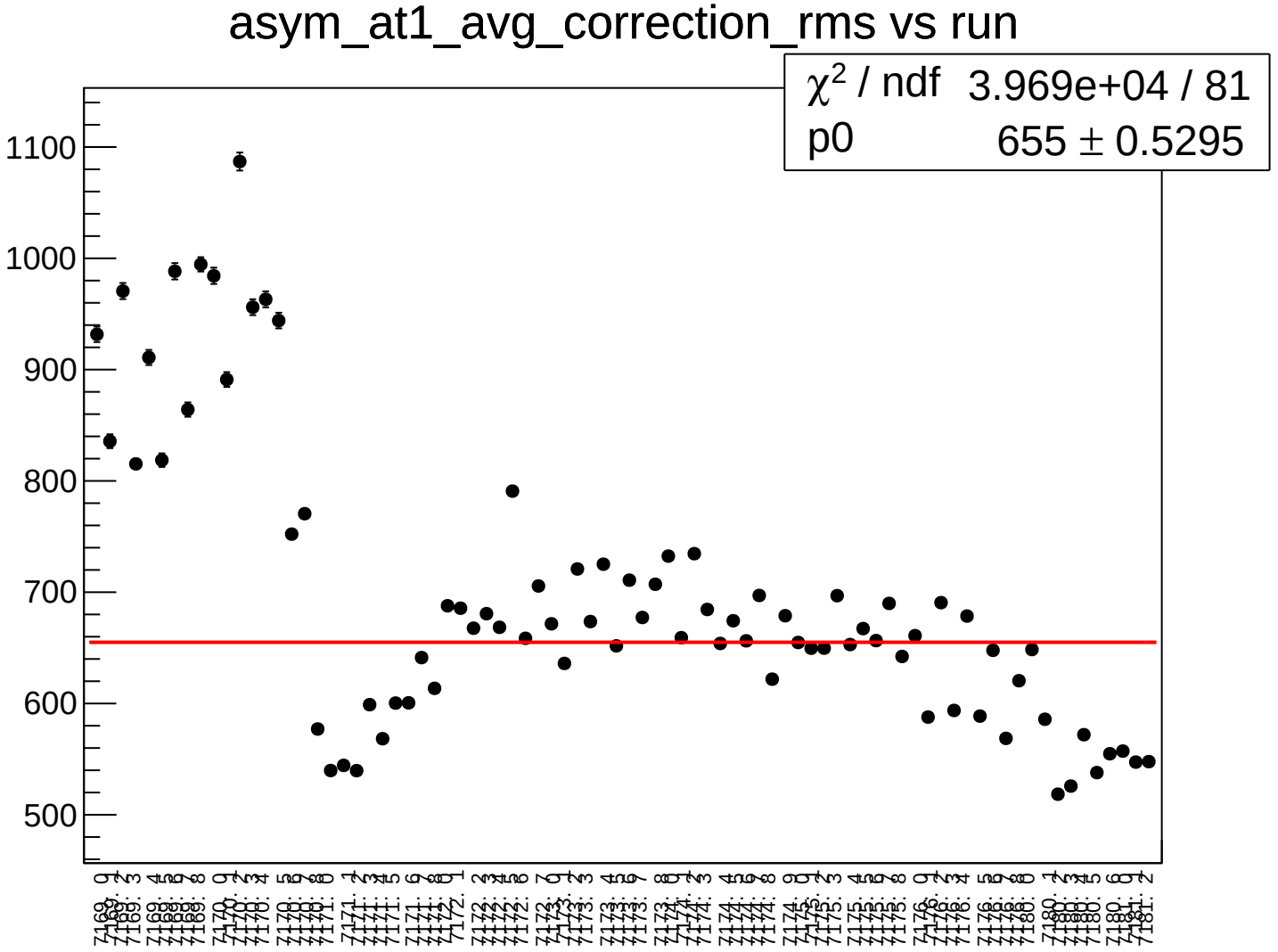

pull1D
Entries 82
Mean −0.01176
Std Dev 0.8882

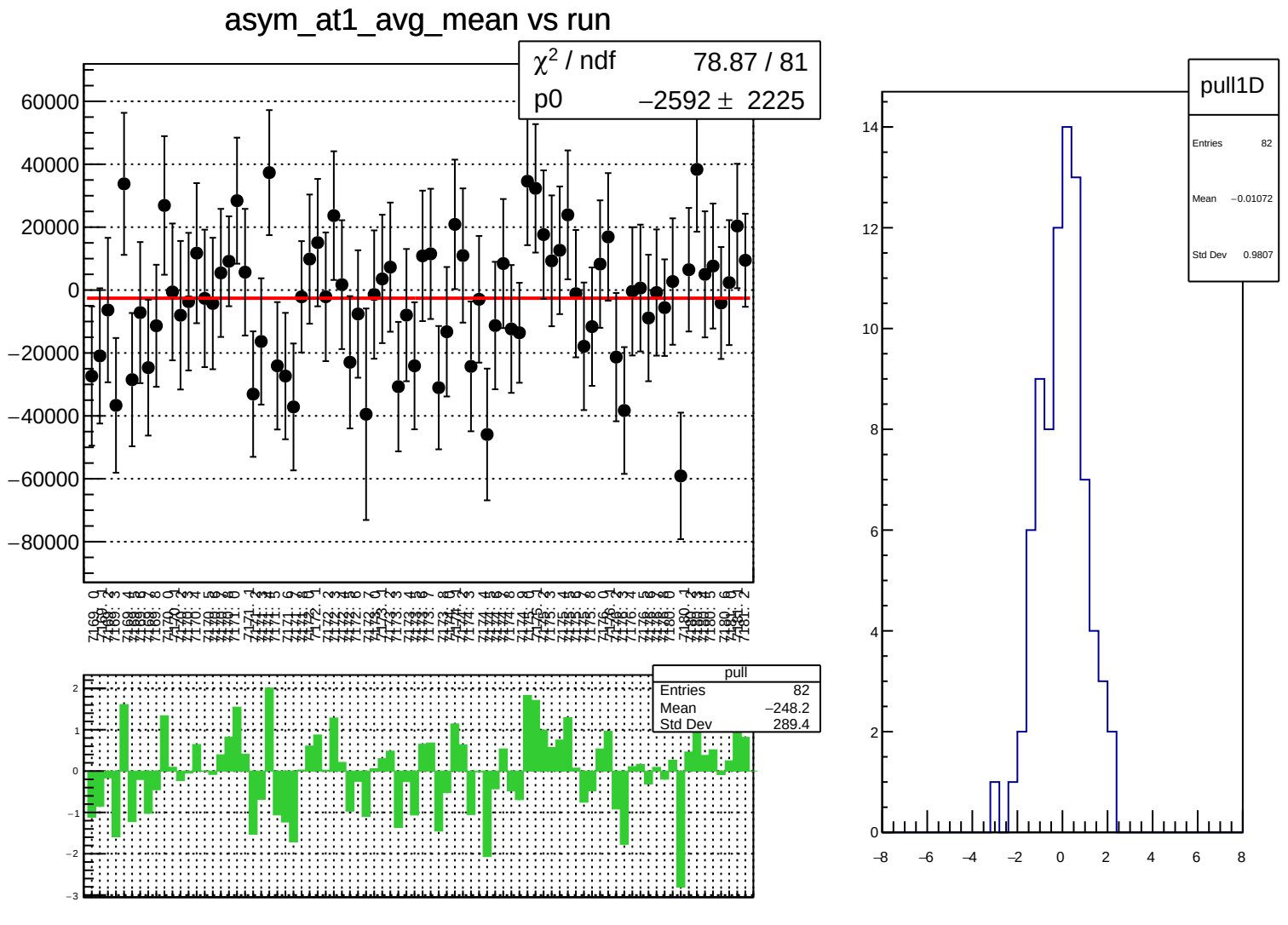

asym_usr_rms vs run
χ² / ndf 2.656e+04 / 81
p0 2069 ± 1.666
3200
3000
2800
2600
2400
2200
2000
1800
1600

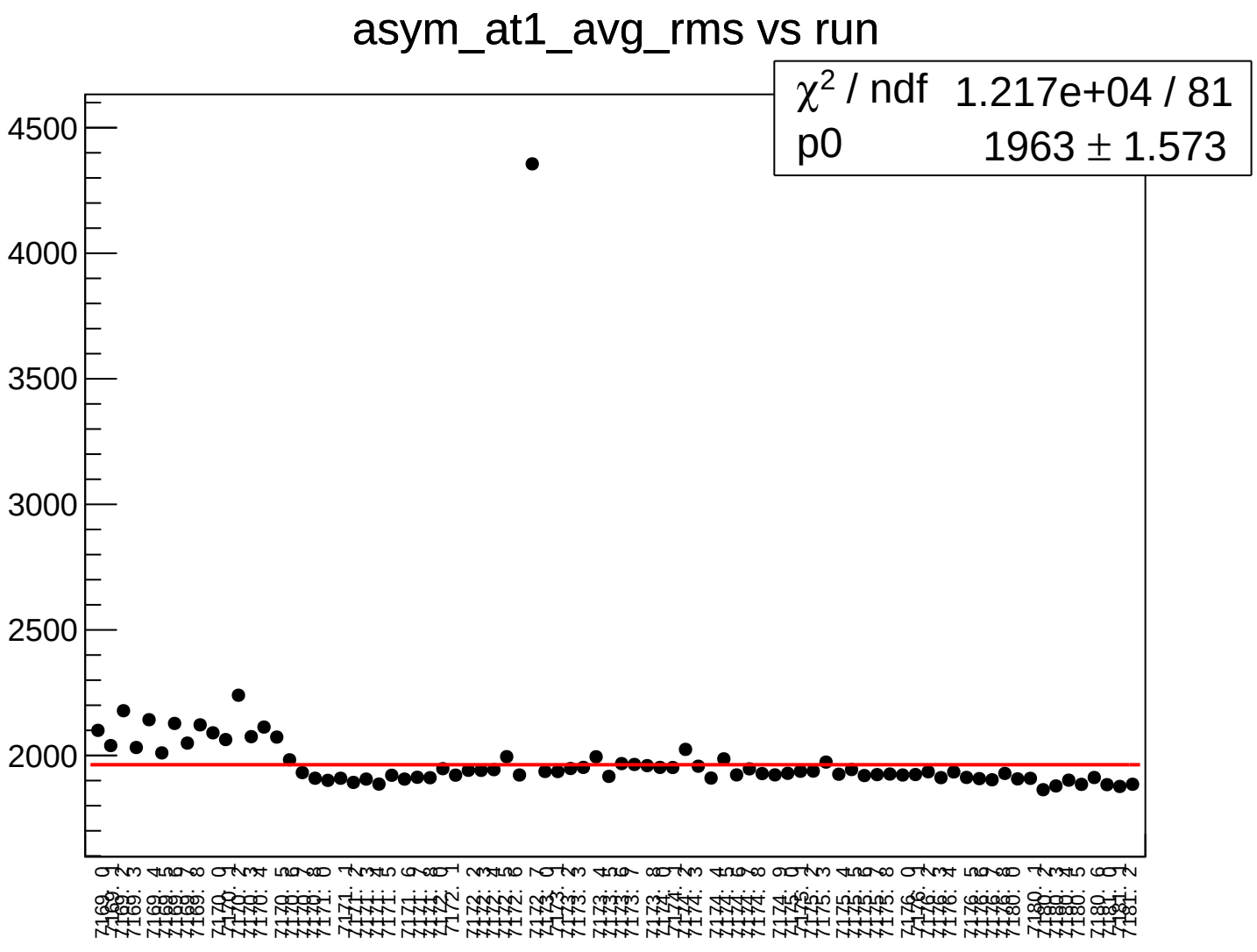

dit_asym_at1_avg_mean vs run
χ² / ndf 83.11 / 81
p0 −1806 ± 2078
pull
Entries 82
Mean −268.7
Std Dev 308.9
pull1D
Entries 82
Mean −0.005942
Std Dev 1.007

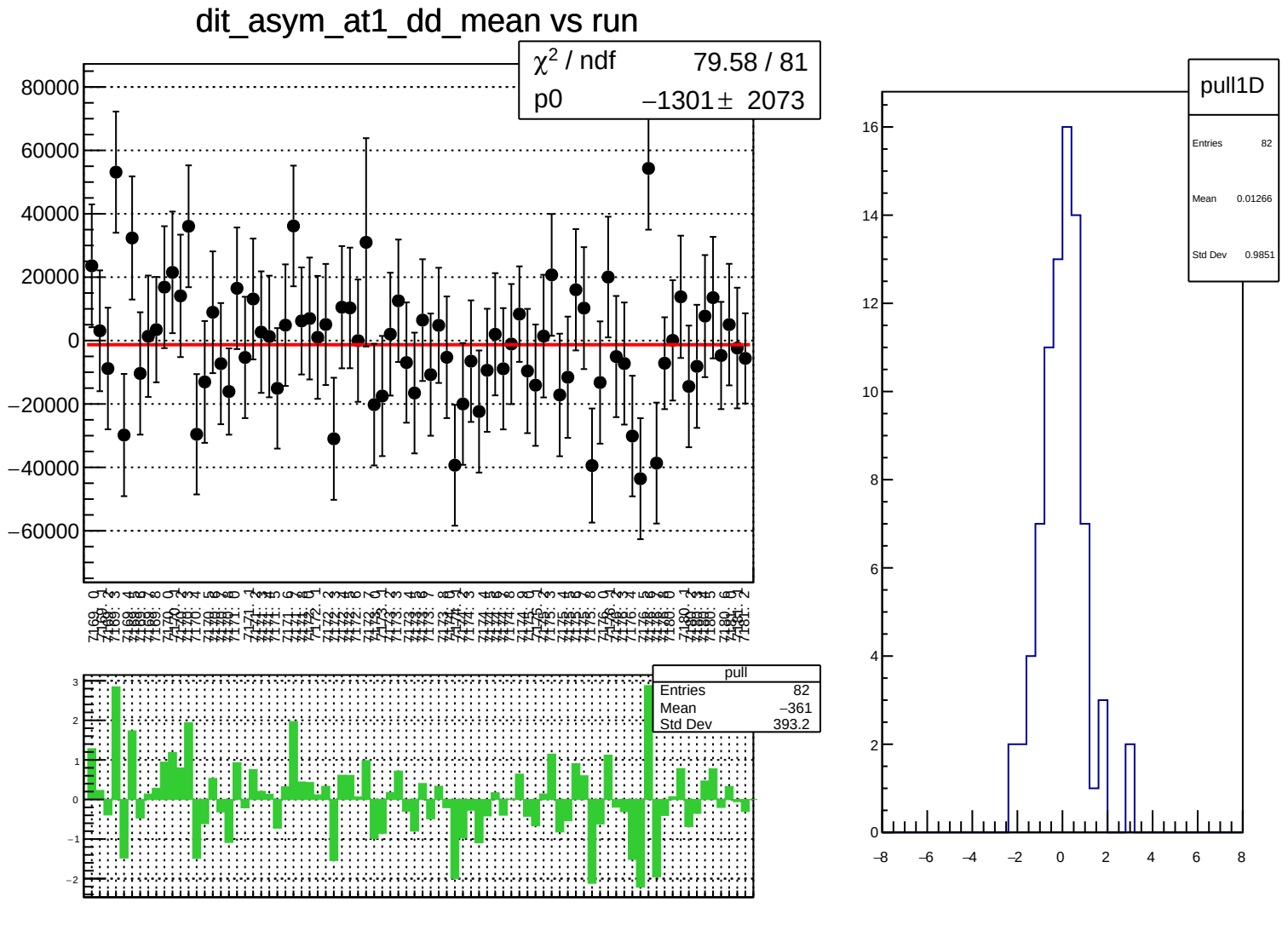

dit_asym_at1_avg_rms vs run
χ² / ndf 1.107e+04 / 81
p0 1834 ± 1.469
4500
4000
3500
3000
2500
2000

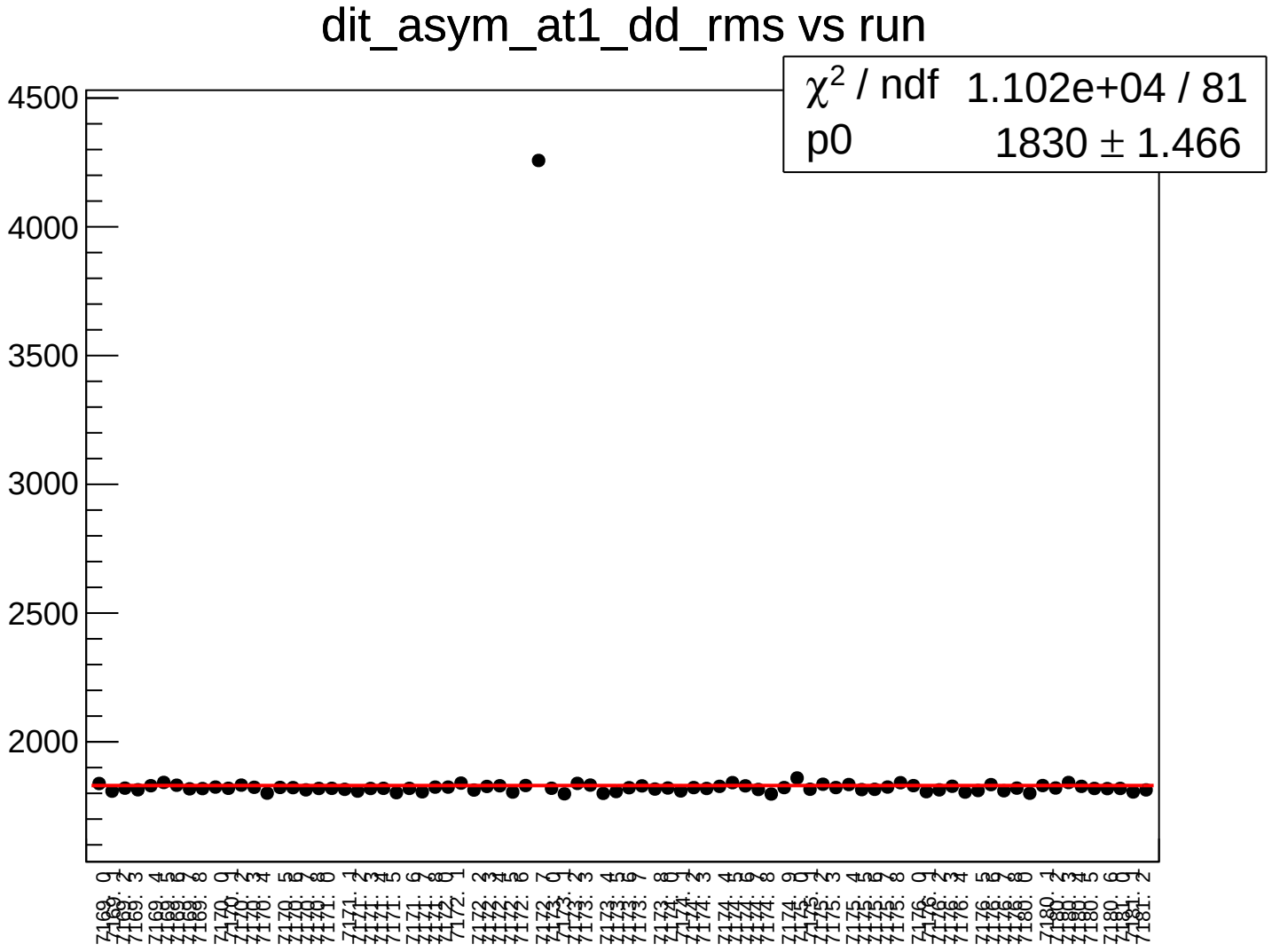

asym_at1_avg_correction_mean vs run
χ² / ndf 59.18 / 81
p0 787.7 ± 748.8
20000
10000
0
−10000
−20000
pull
Entries 82
Mean −205.7
Std Dev 250.2
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01669
Std Dev 0.8493
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

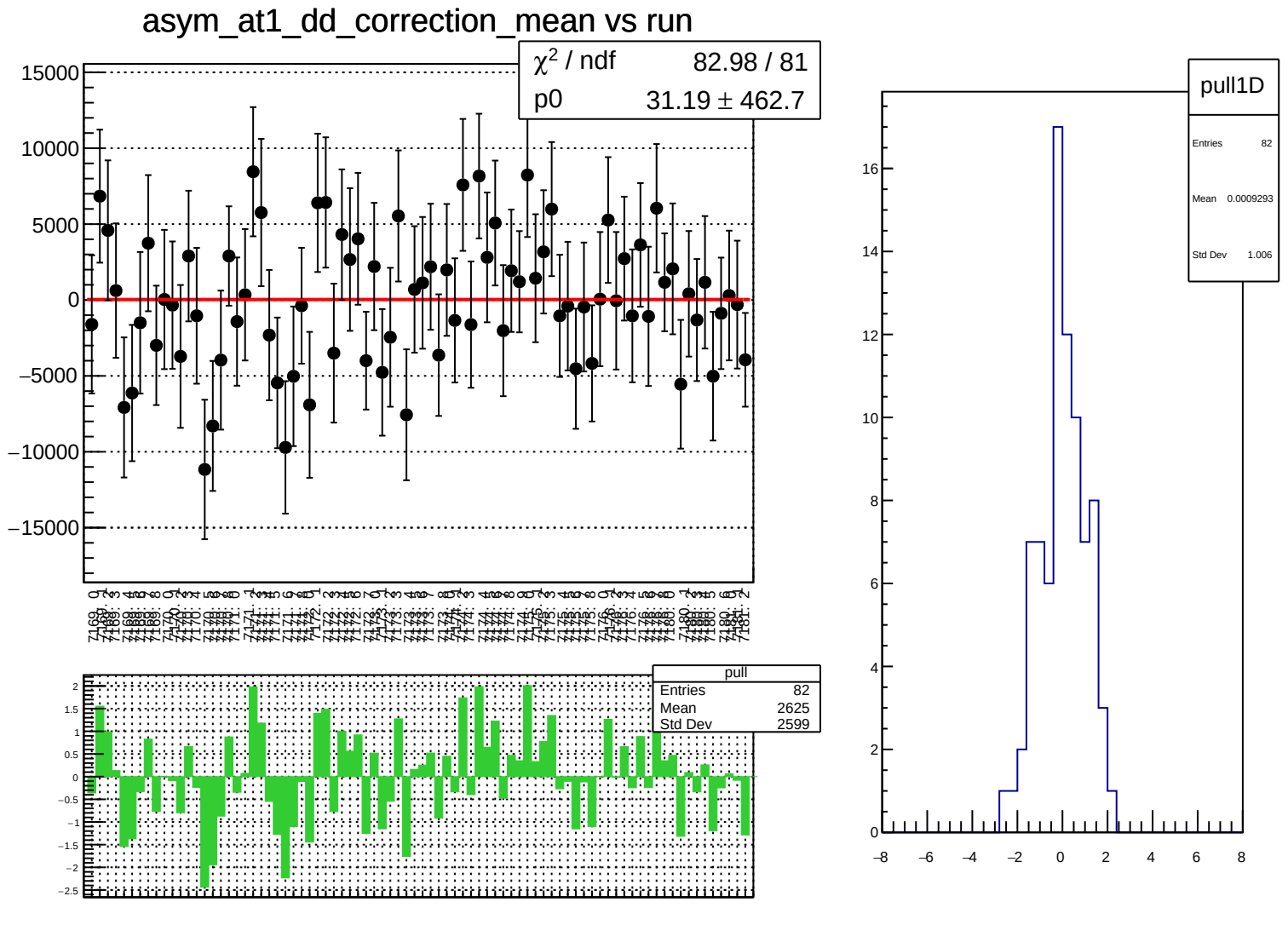

asym_at1_avg_correction_rms vs run
χ² / ndf 3.969e+04 / 81
p0 655 ± 0.5295
1100
1000
900
800
700
600
500


asym_at1_avg_mean vs run
χ² / ndf 78.87 / 81
p0 −2592 ± 2225
pull
Entries 82
Mean −248.2
Std Dev 289.4
pull1D
Entries 82
Mean −0.01072
Std Dev 0.9807

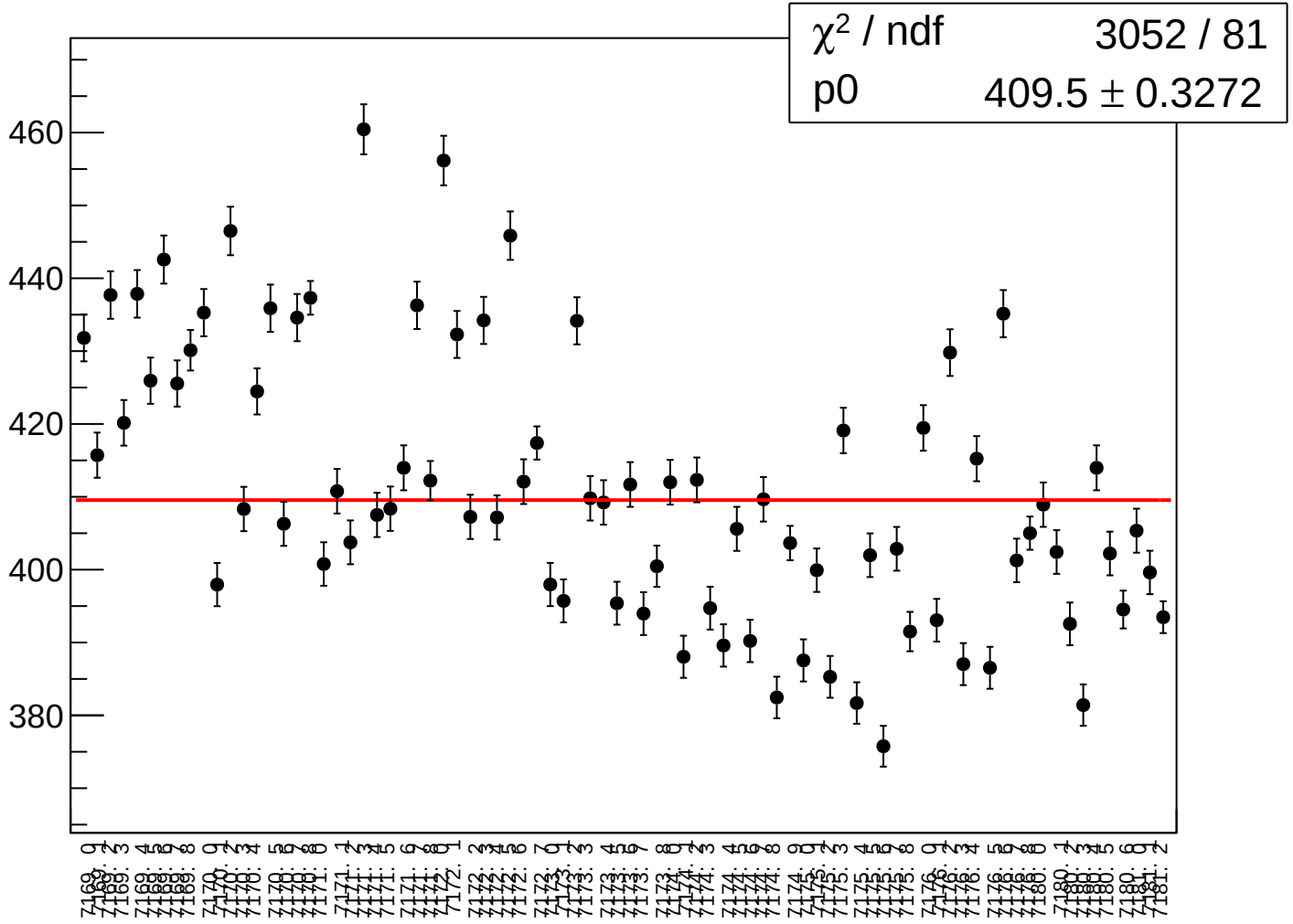

asym_at1_avg_rms vs run
χ² / ndf 1.217e+04 / 81
p0 1963 ± 1.573
4500
4000
3500
3000
2500
2000

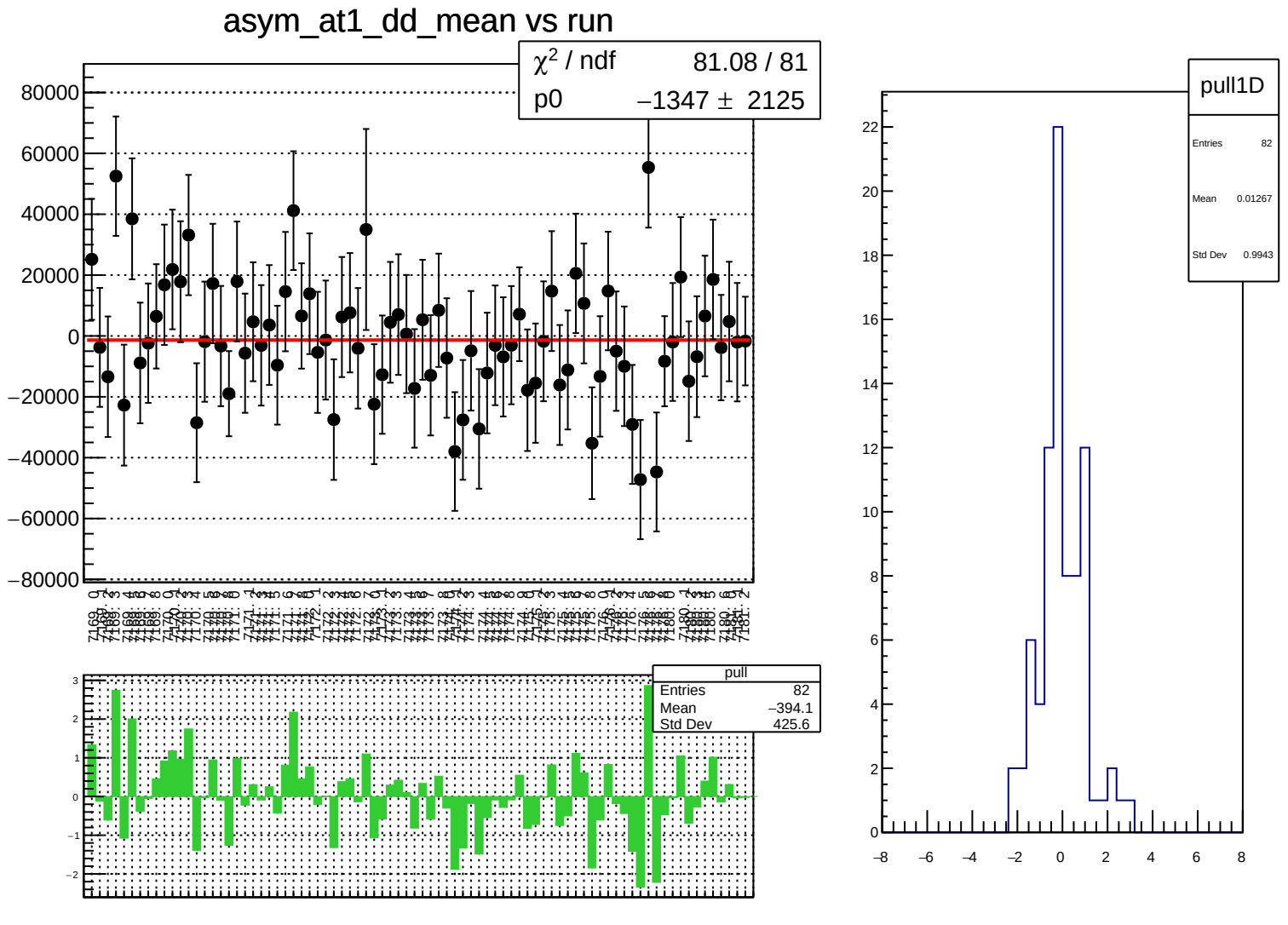

dit_asym_at1_dd_mean vs run
χ² / ndf 79.58 / 81
p0 −1301 ± 2073
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −361
Std Dev 393.2
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.01266
Std Dev 0.9851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_dd_rms vs run
χ² / ndf 1.102e+04 / 81
p0 1830 ± 1.466
4500
4000
3500
3000
2500
2000

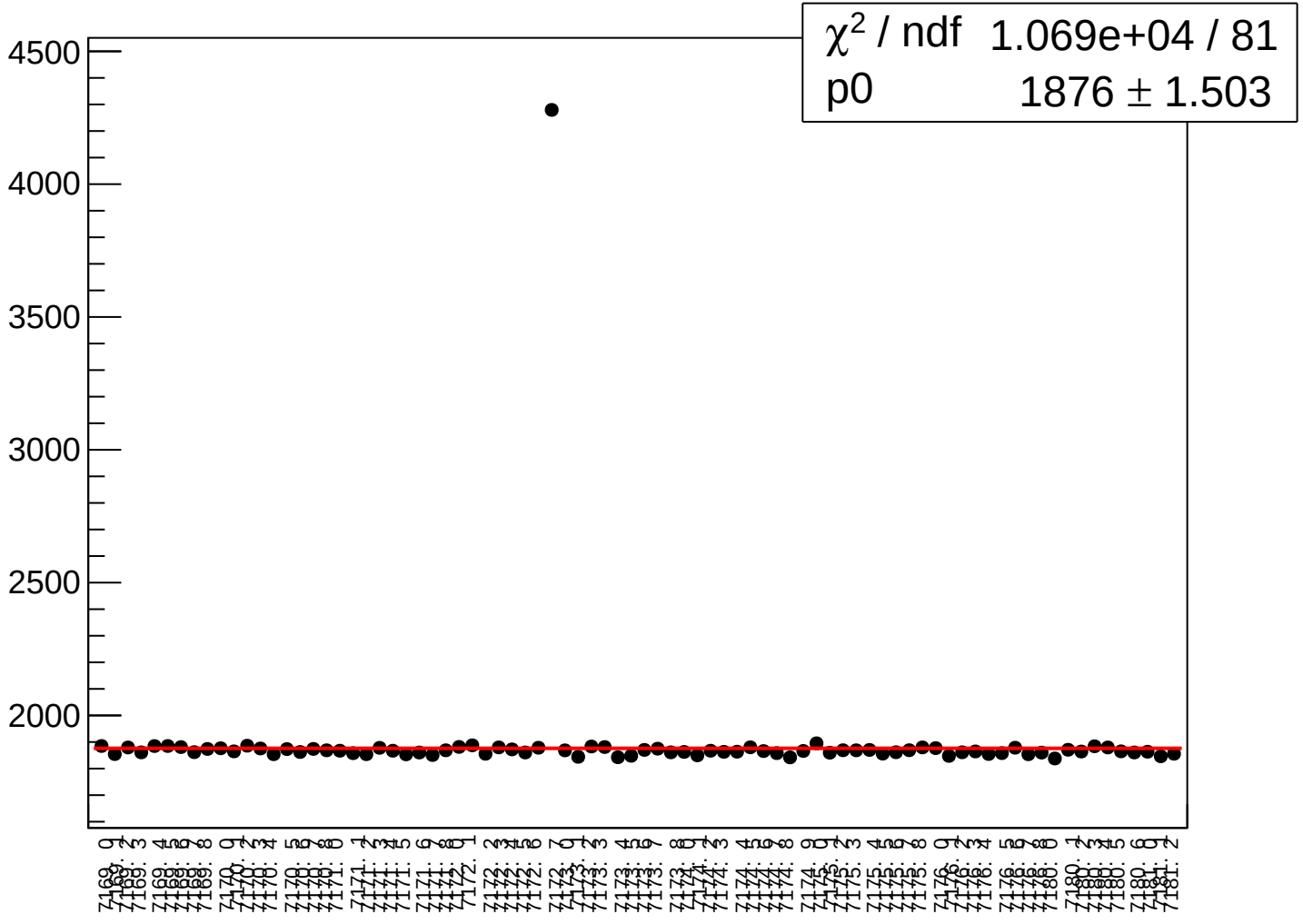

asym_at1_dd_correction_mean vs run
χ² / ndf 82.98 / 81
p0 31.19 ± 462.7
pull
Entries 82
Mean 2625
Std Dev 2599
pull1D
Entries 82
Mean 0.0009293
Std Dev 1.006

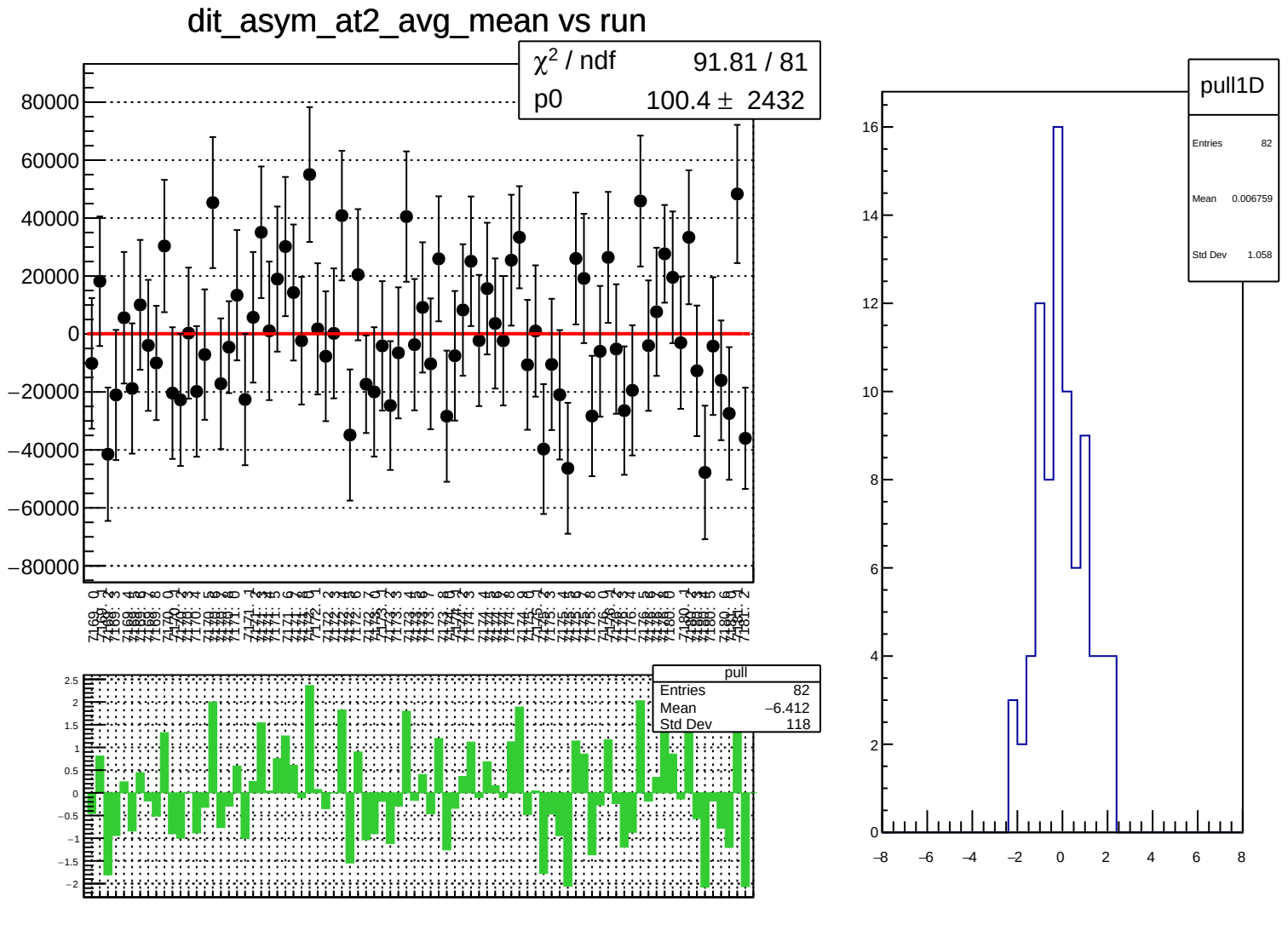
asym_at1_dd_correction_rms vs run

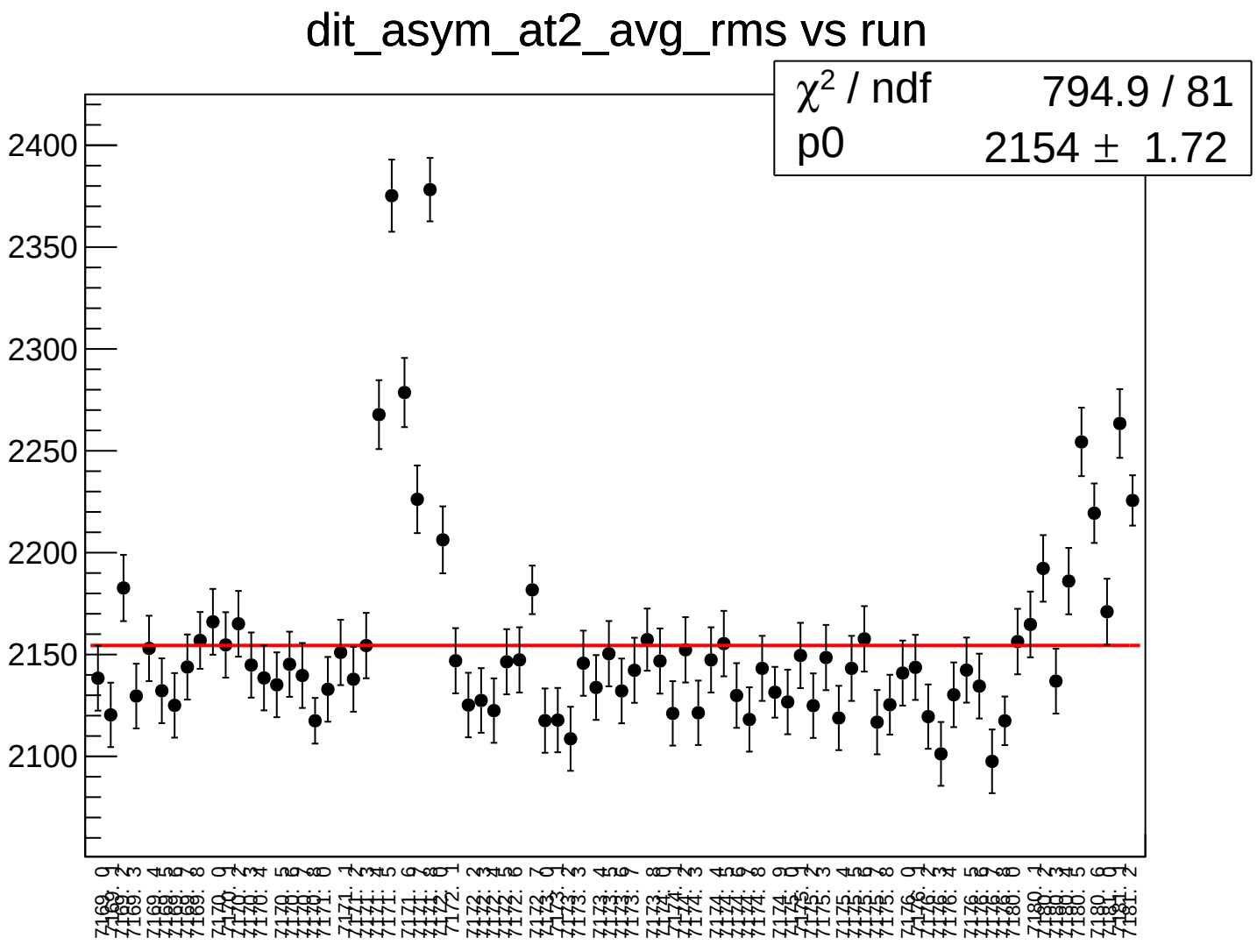


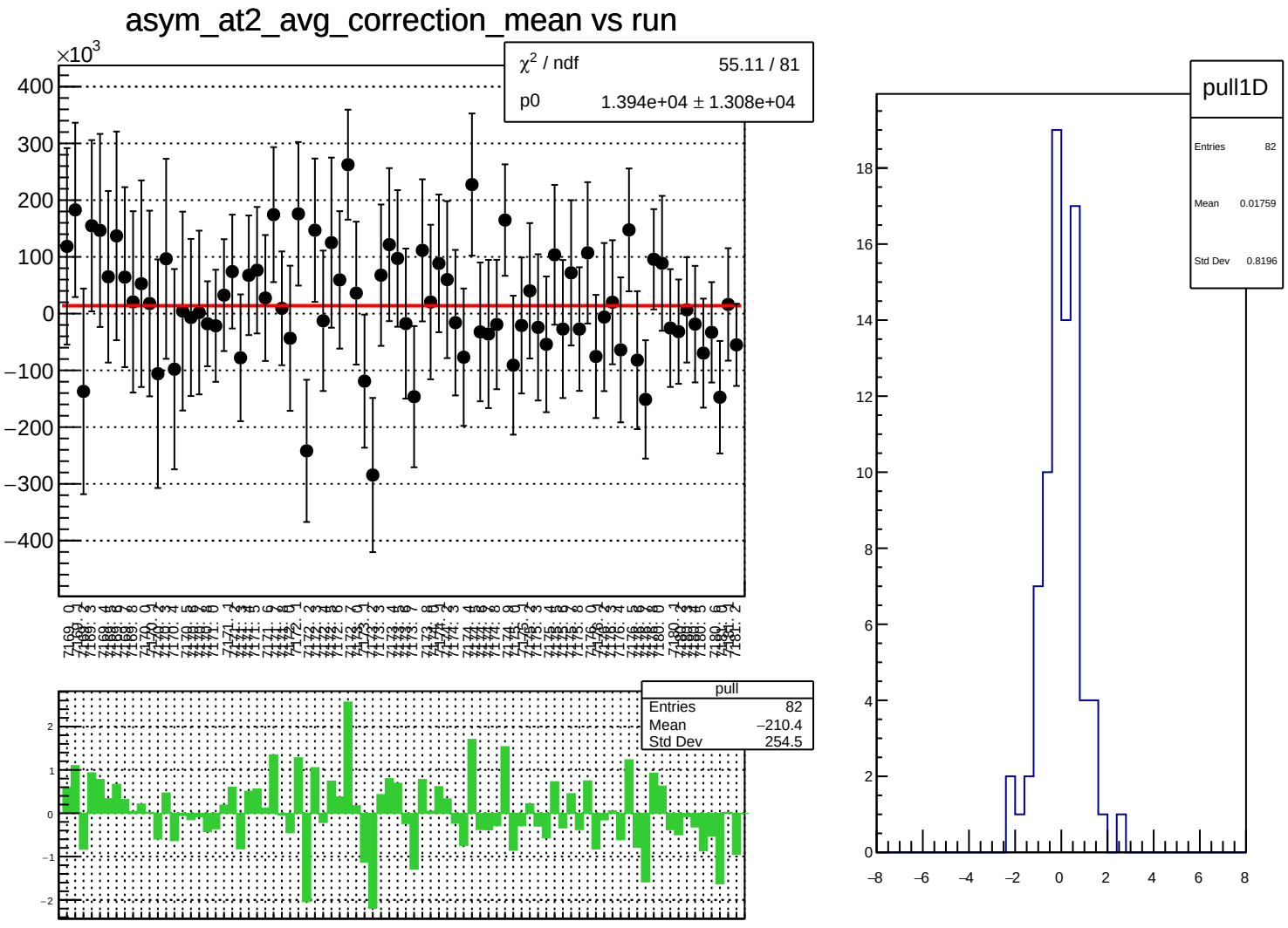

asym_at1_dd_mean vs run
χ² / ndf 81.08 / 81
p0 −1347 ± 2125
pull
Entries 82
Mean −394.1
Std Dev 425.6
pull1D
Entries 82
Mean 0.01267
Std Dev 0.9943

asym_at1_dd_rms vs run

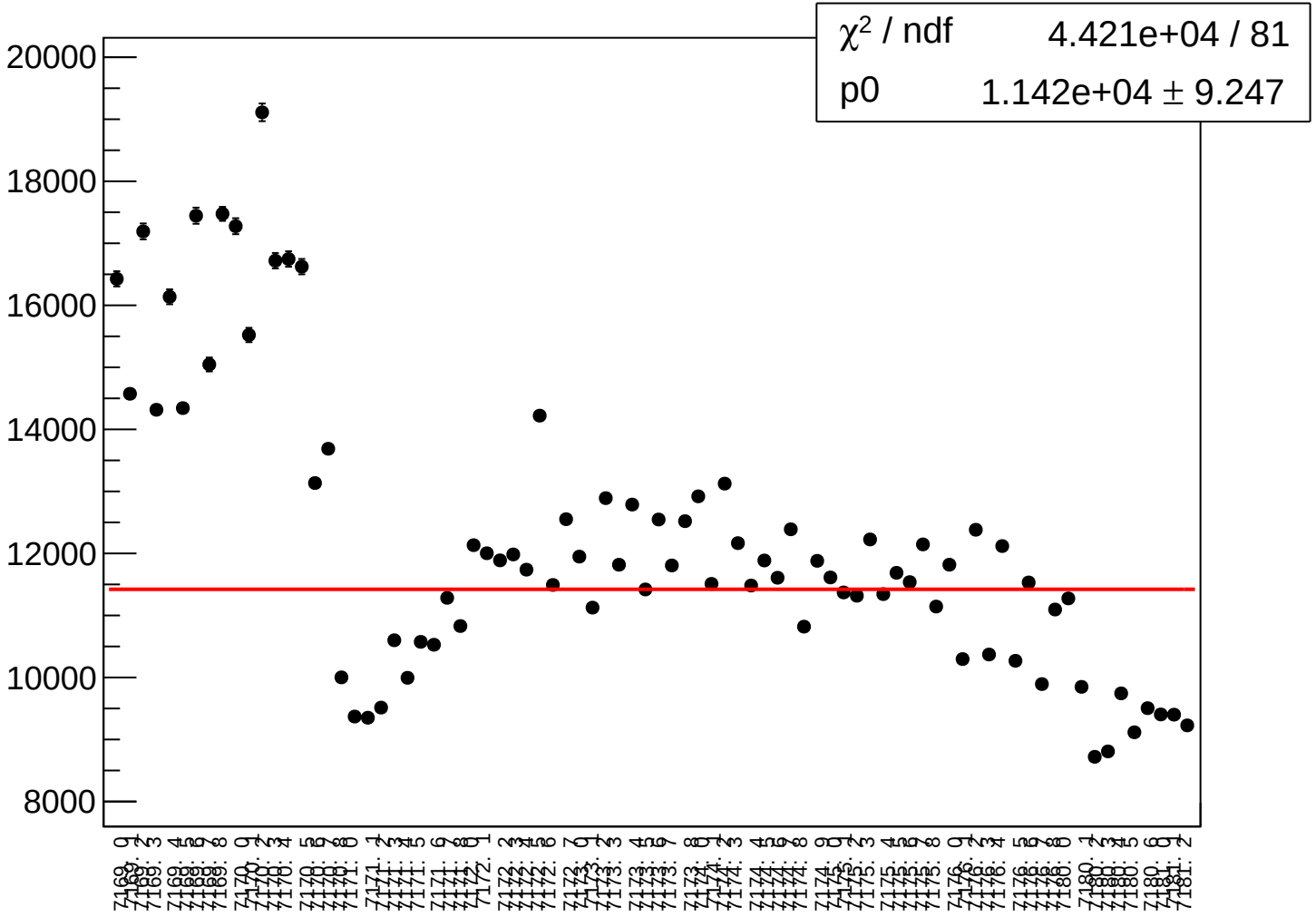


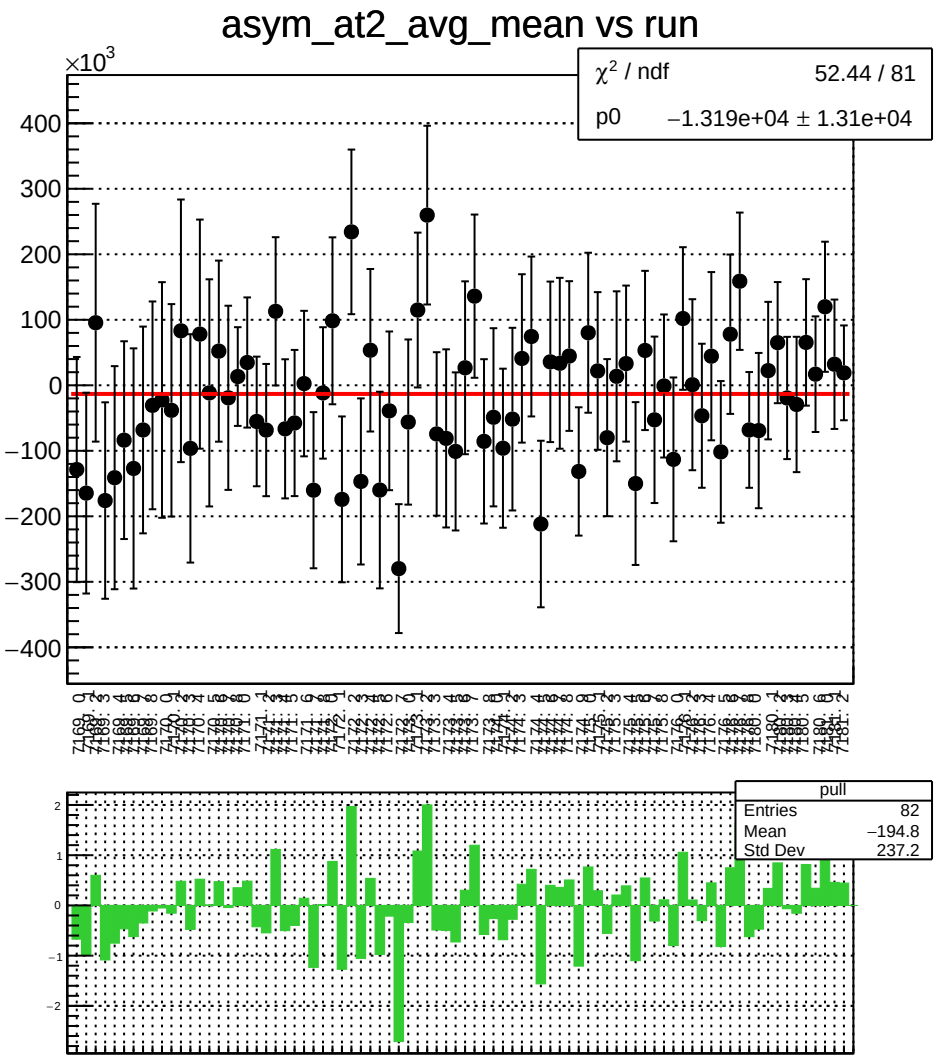

dit_asym_at2_avg_mean vs run
χ² / ndf 91.81 / 81
p0 100.4 ± 2432
pull
Entries 82
Mean −6.412
Std Dev 118
pull1D
Entries 82
Mean 0.006759
Std Dev 1.058

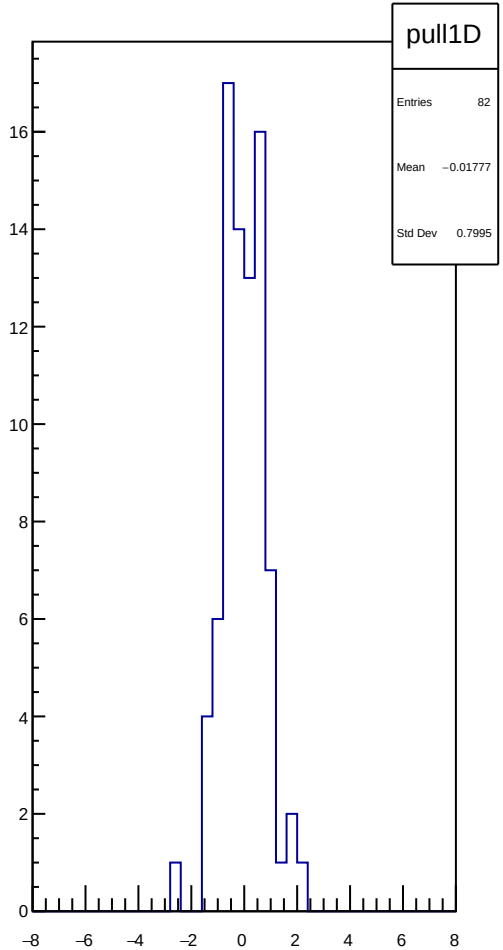

dit_asym_at2_avg_rms vs run
χ² / ndf 794.9 / 81
p0 2154 ± 1.72
2400
2350
2300
2250
2200
2150
2100

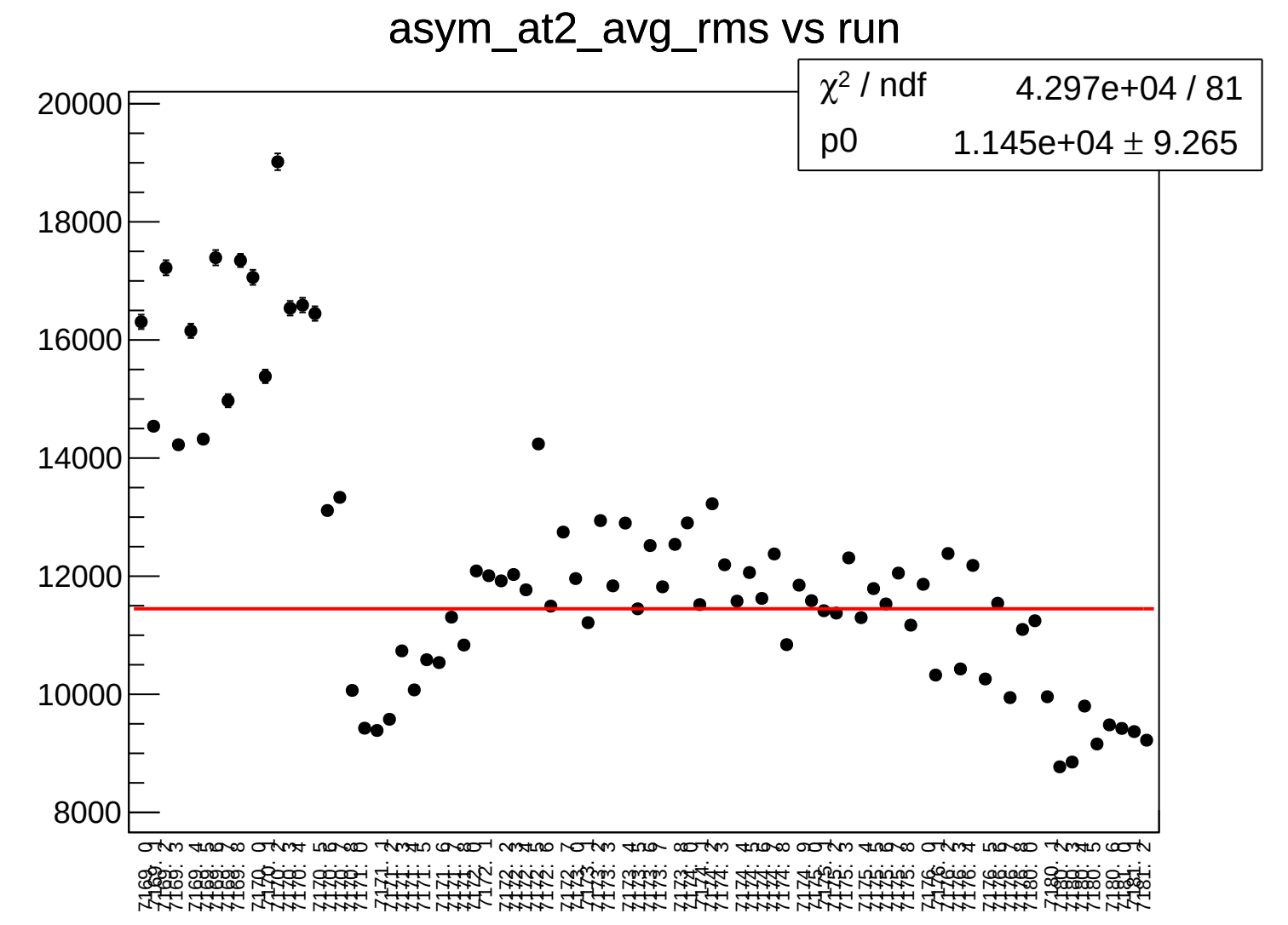

asym_at2_avg_correction_mean vs run
×10^3
χ^2 / ndf 55.11 / 81
p0 1.394e+04 ± 1.308e+04
pull
Entries 82
Mean −210.4
Std Dev 254.5
pull1D
Entries 82
Mean 0.01759
Std Dev 0.8196

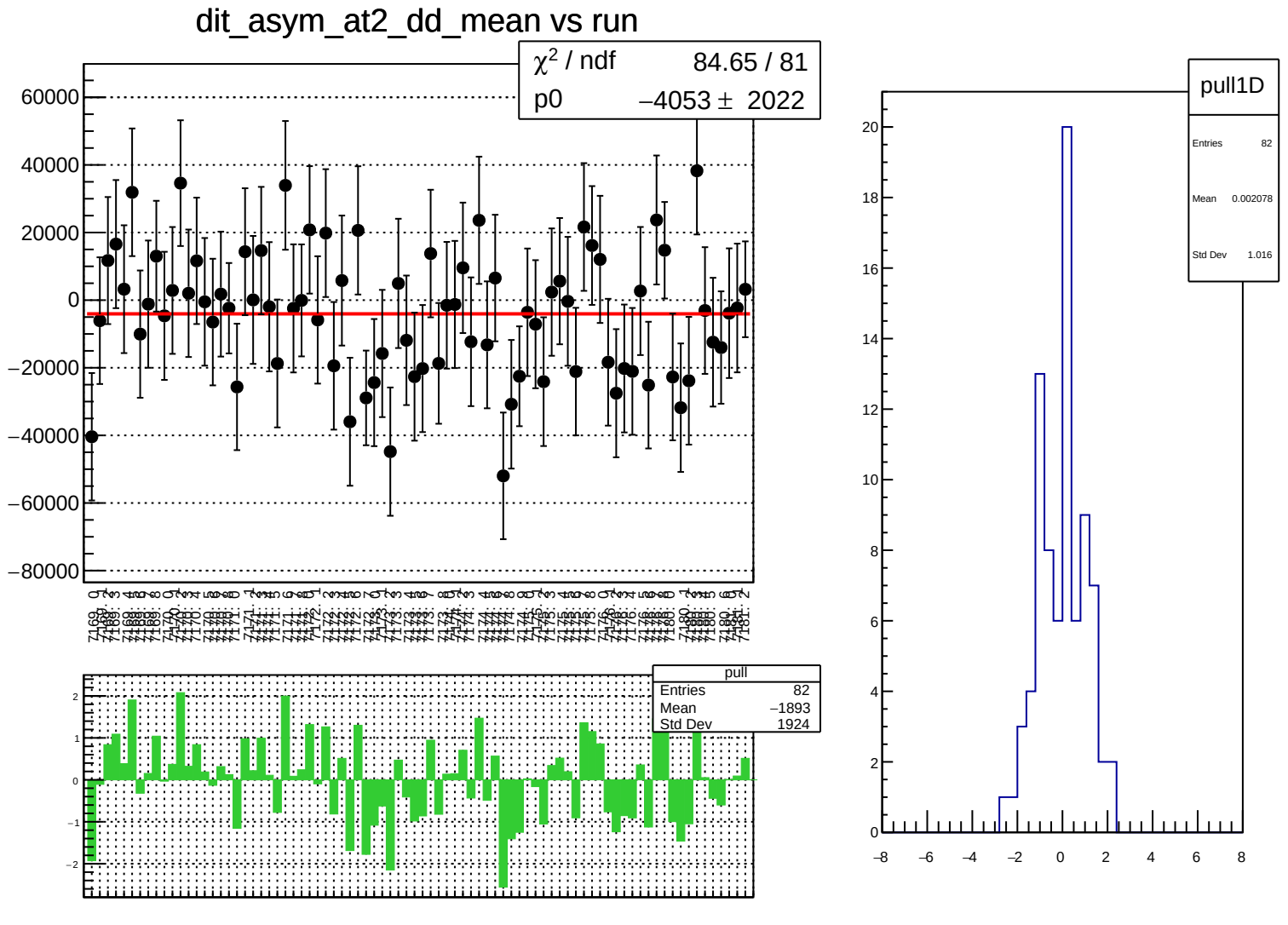
asym_at2_avg_correction_rms vs run

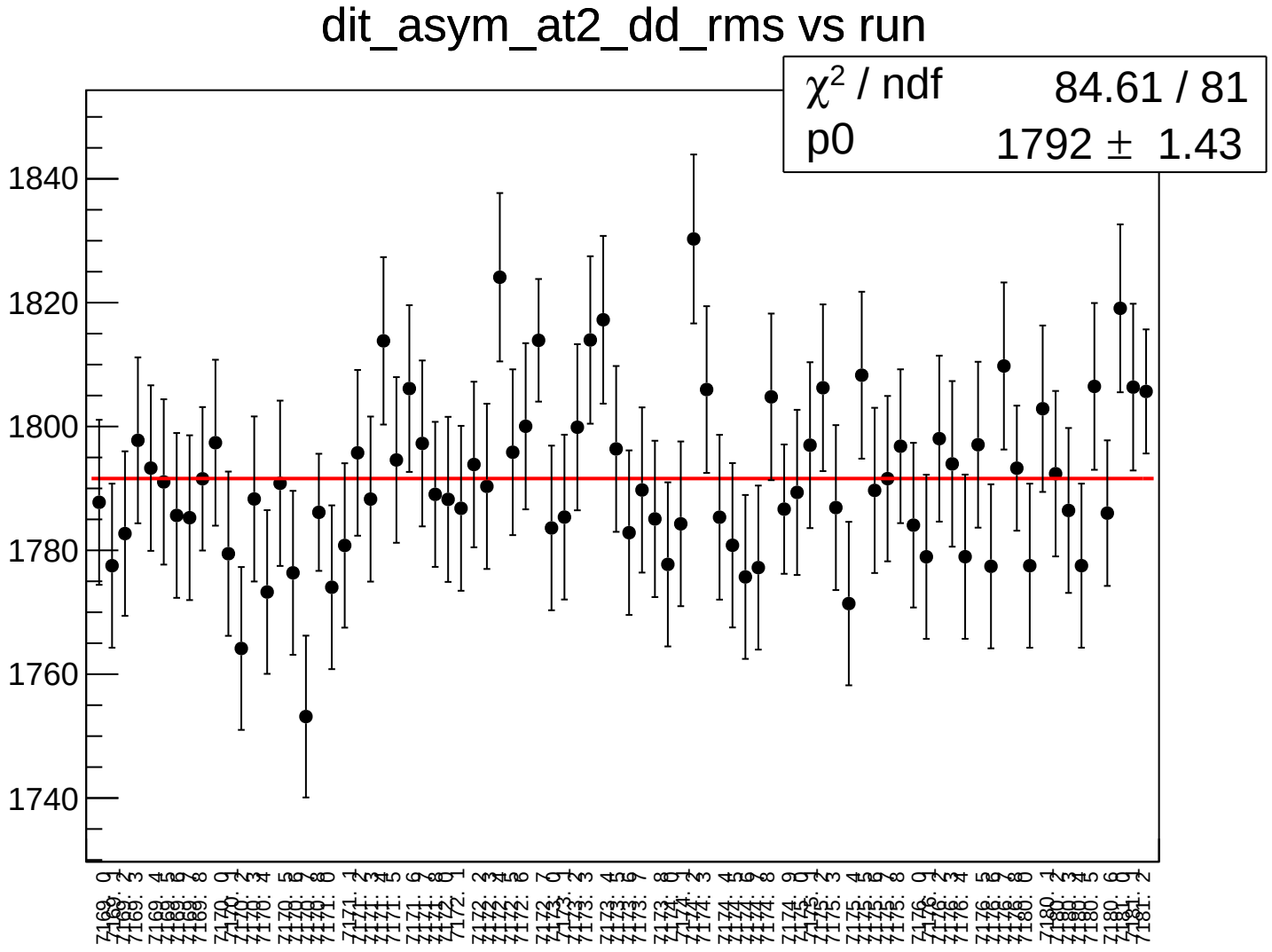


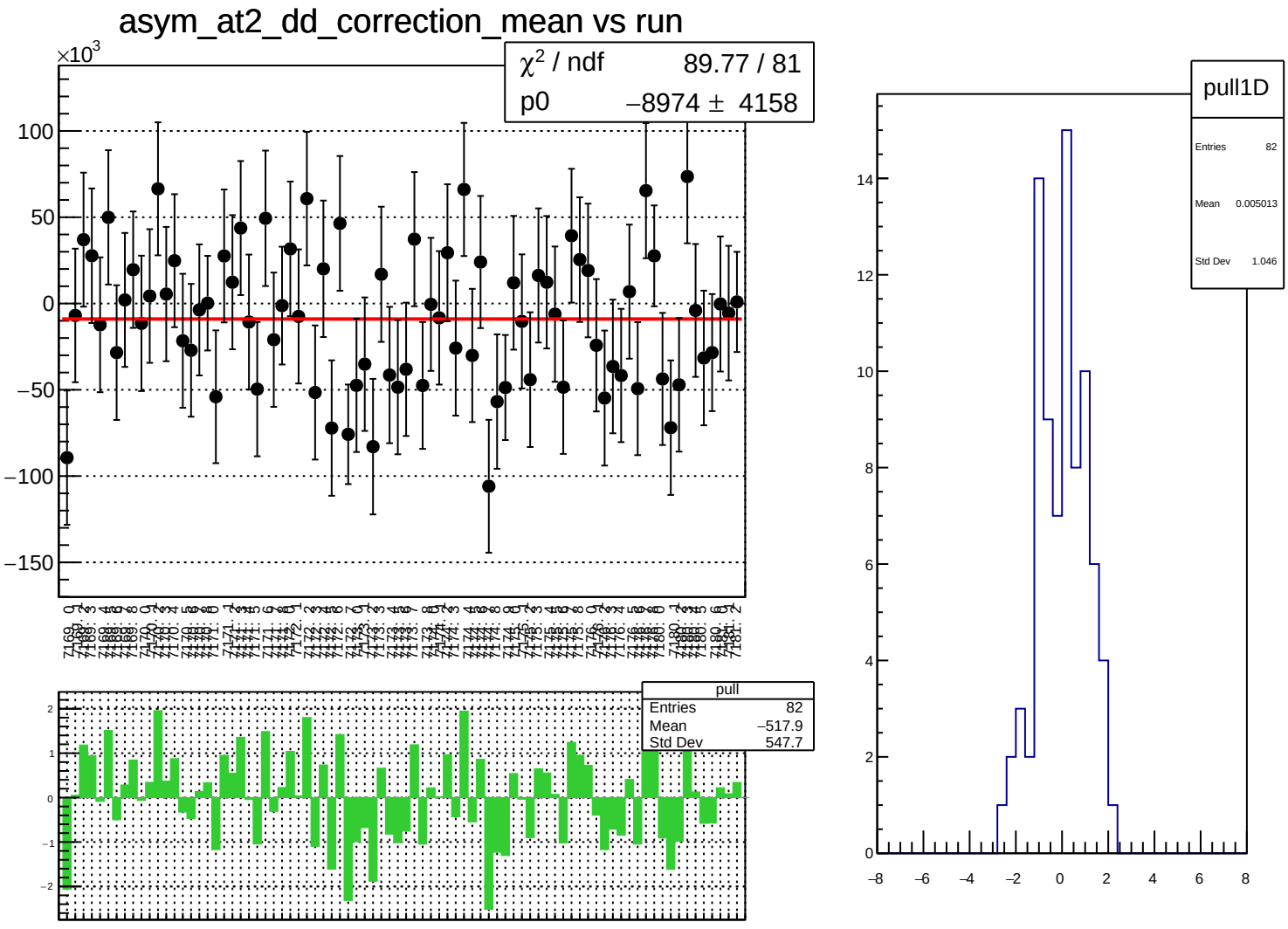

asym_at2_avg_mean vs run
×10^3
χ² / ndf 52.44 / 81
p0 −1.319e+04 ± 1.31e+04
pull
Entries 82
Mean −194.8
Std Dev 237.2

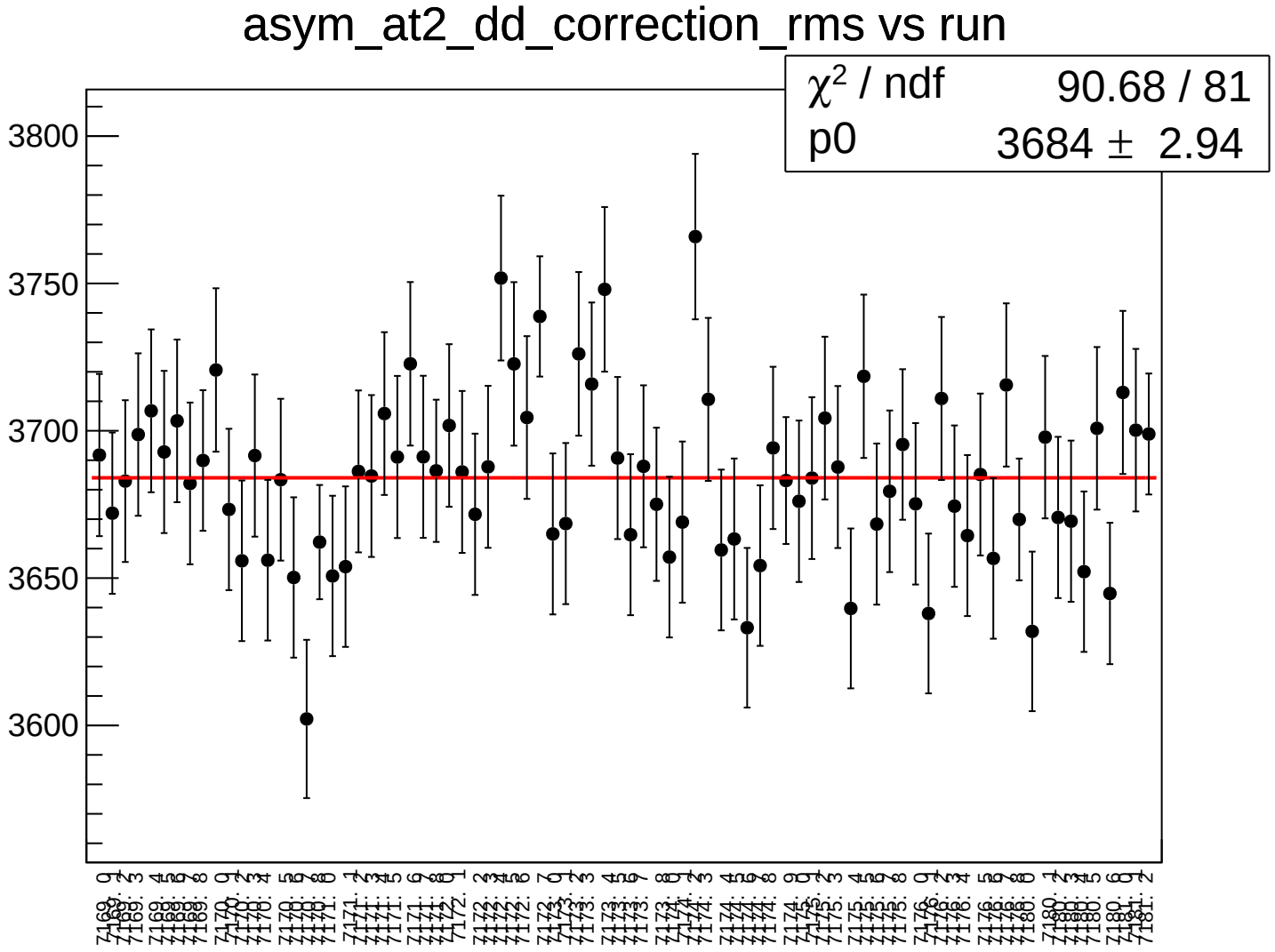

pull1D
Entries 82
Mean −0.01777
Std Dev 0.7995

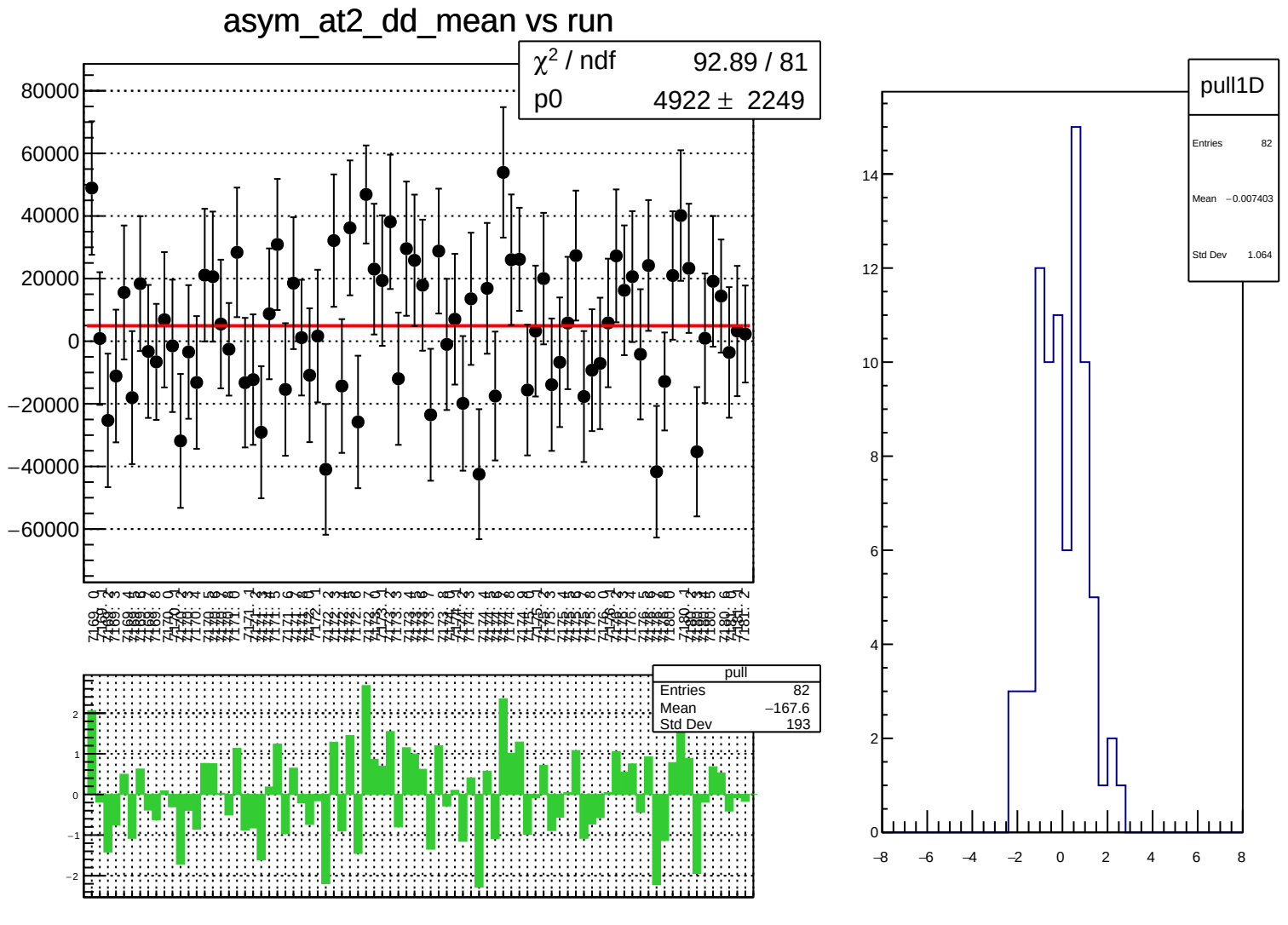

asym_at2_avg_rms vs run
χ² / ndf 4.297e+04 / 81
p0 1.145e+04 ± 9.265
20000
18000
16000
14000
12000
10000
8000

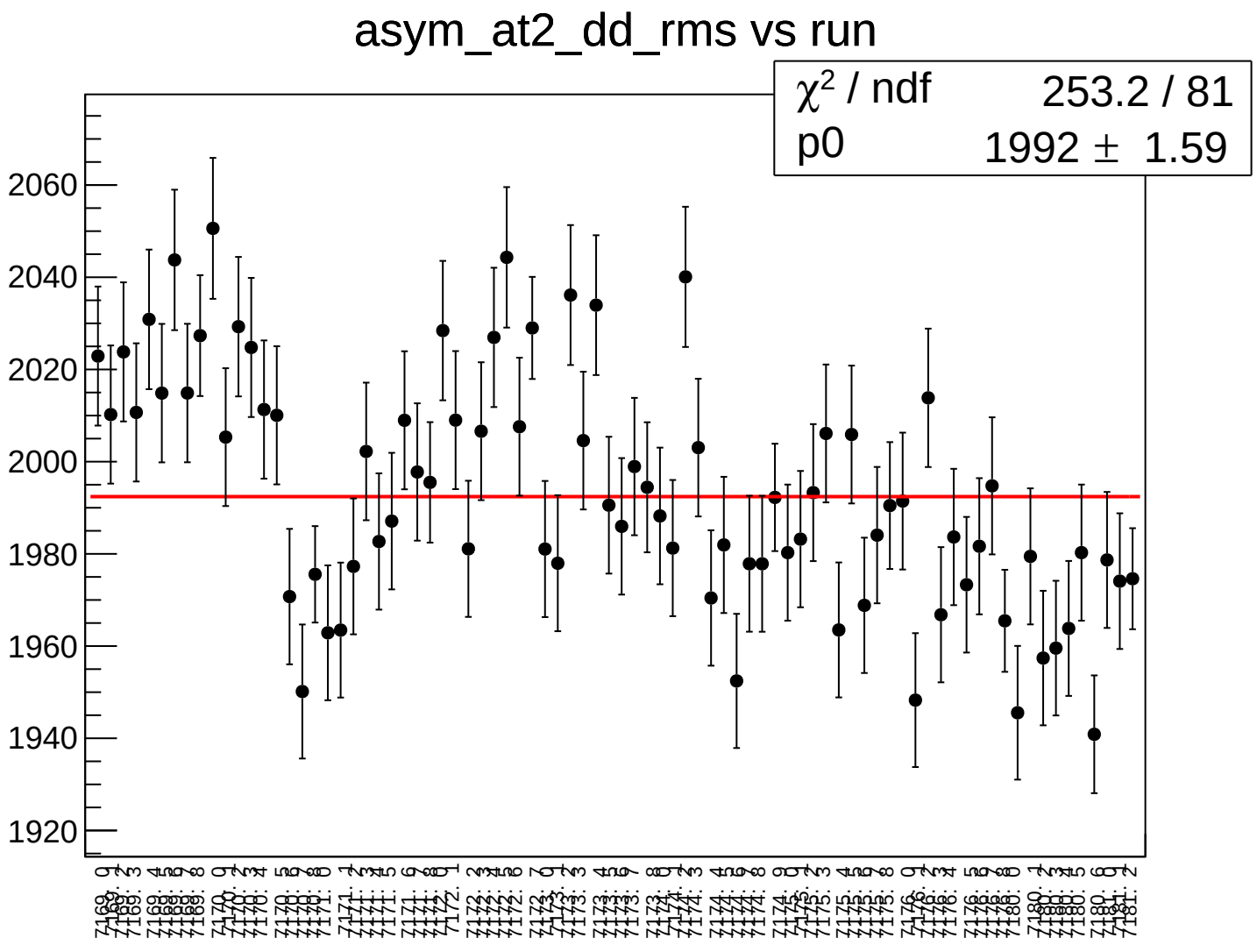

dit_asym_at2_dd_mean vs run
χ² / ndf 84.65 / 81
p0 −4053 ± 2022
pull
Entries 82
Mean −1893
Std Dev 1924
pull1D
Entries 82
Mean 0.002078
Std Dev 1.016

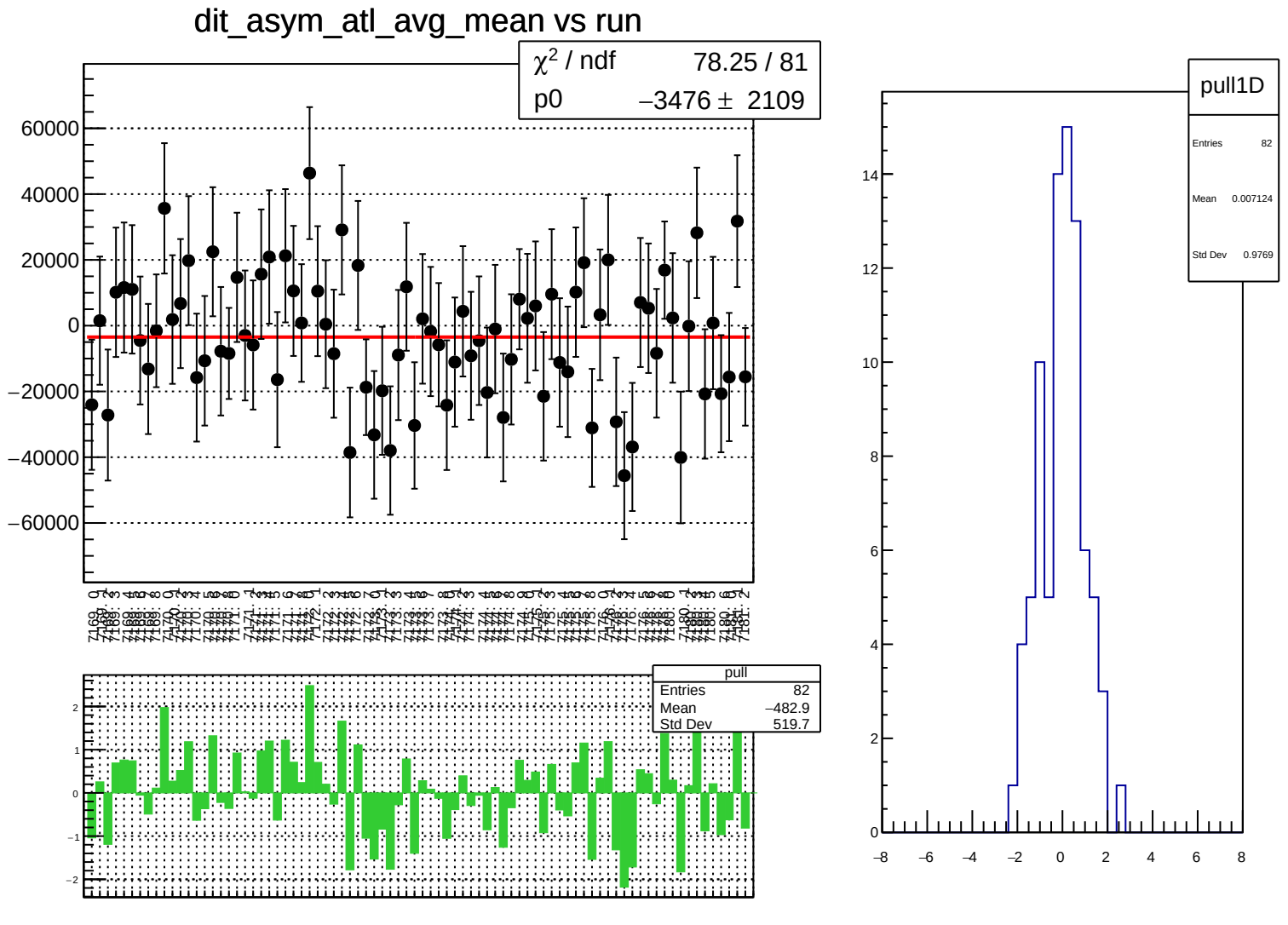

dit_asym_at2_dd_rms vs run
χ² / ndf 84.61 / 81
p0 1792 ± 1.43
1840
1820
1800
1780
1760
1740

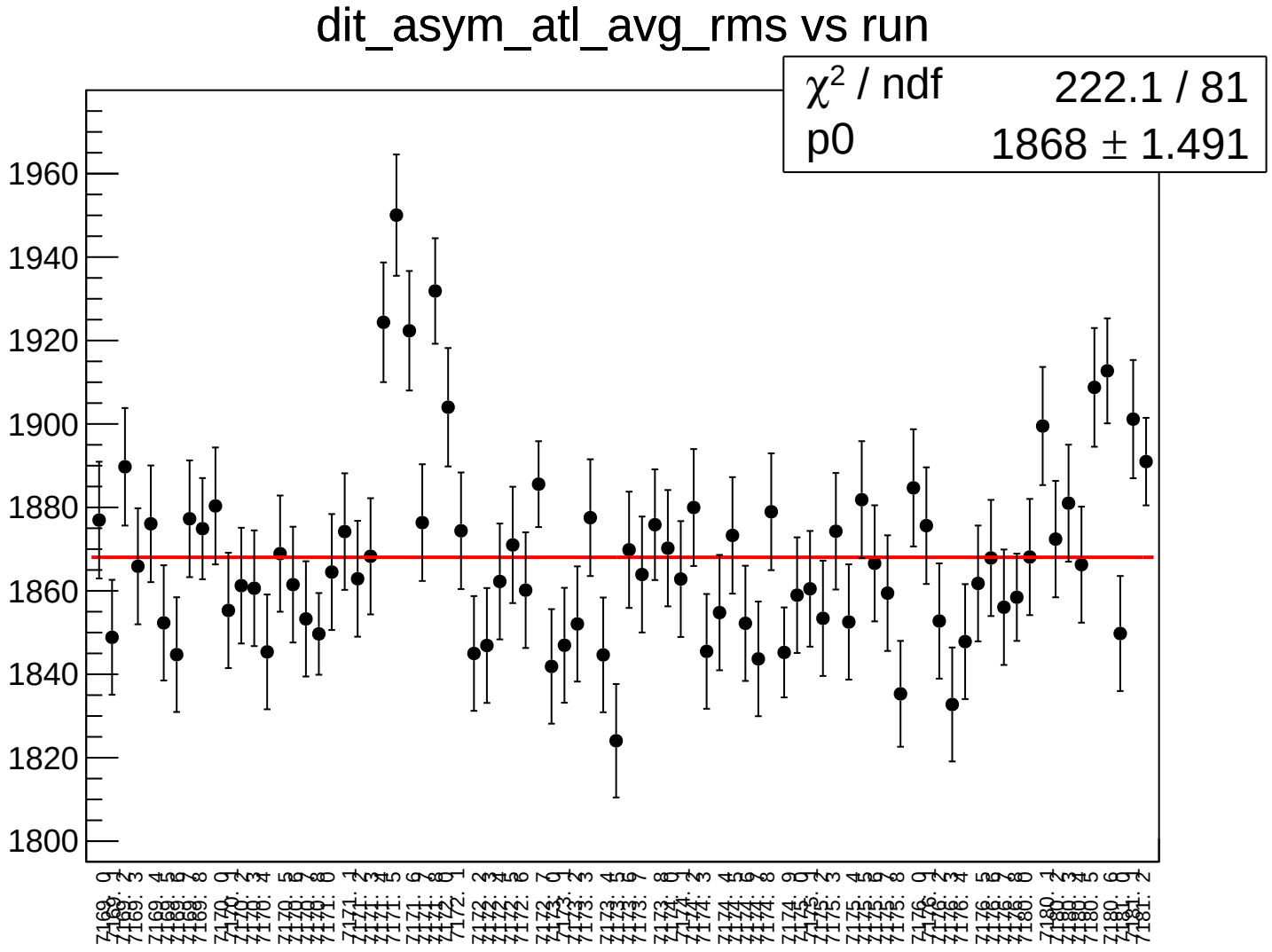

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 89.77 / 81
p0 −8974 ± 4158
pull
Entries 82
Mean −517.9
Std Dev 547.7
pull1D
Entries 82
Mean 0.005013
Std Dev 1.046

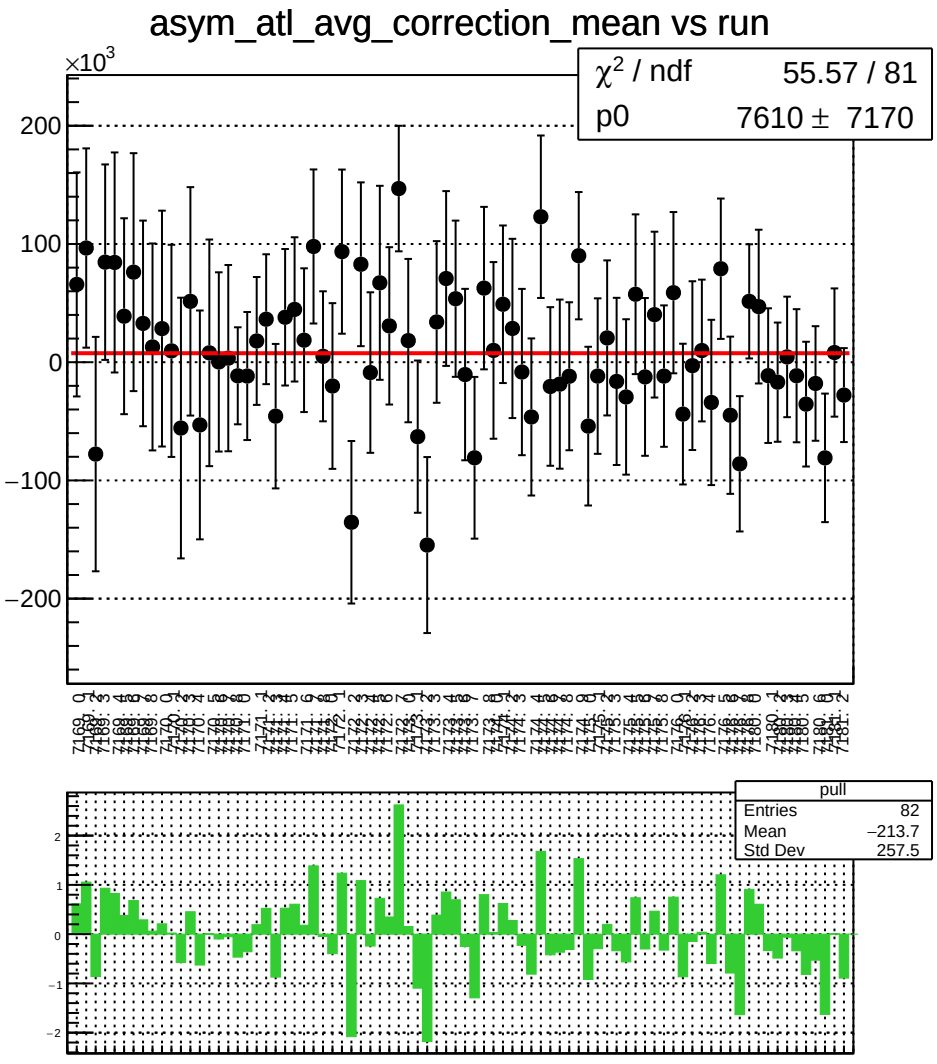

asym_at2_dd_correction_rms vs run
χ² / ndf 90.68 / 81
p0 3684 ± 2.94
3800
3750
3700
3650
3600

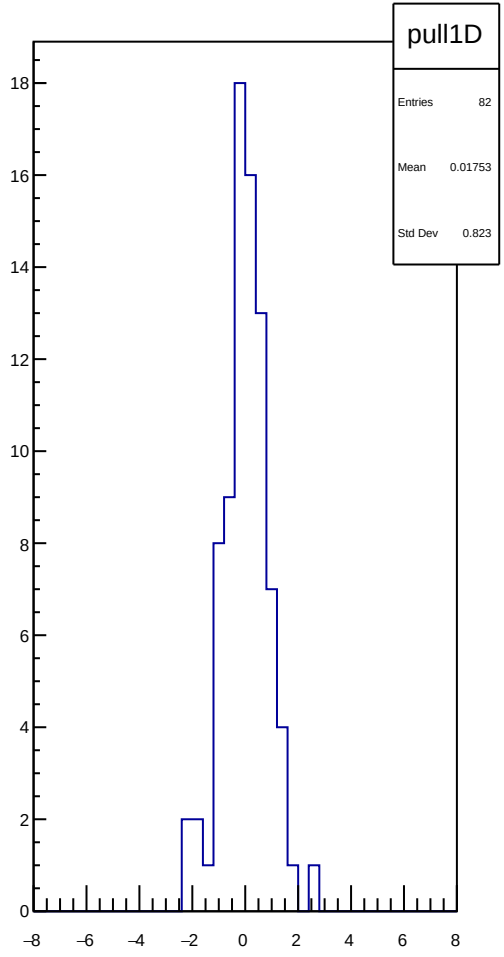

asym_at2_dd_mean vs run
χ² / ndf 92.89 / 81
p0 4922 ± 2249
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean −167.6
Std Dev 193
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.007403
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_rms vs run
χ² / ndf 253.2 / 81
p0 1992 ± 1.59
2060
2040
2020
2000
1980
1960
1940
1920

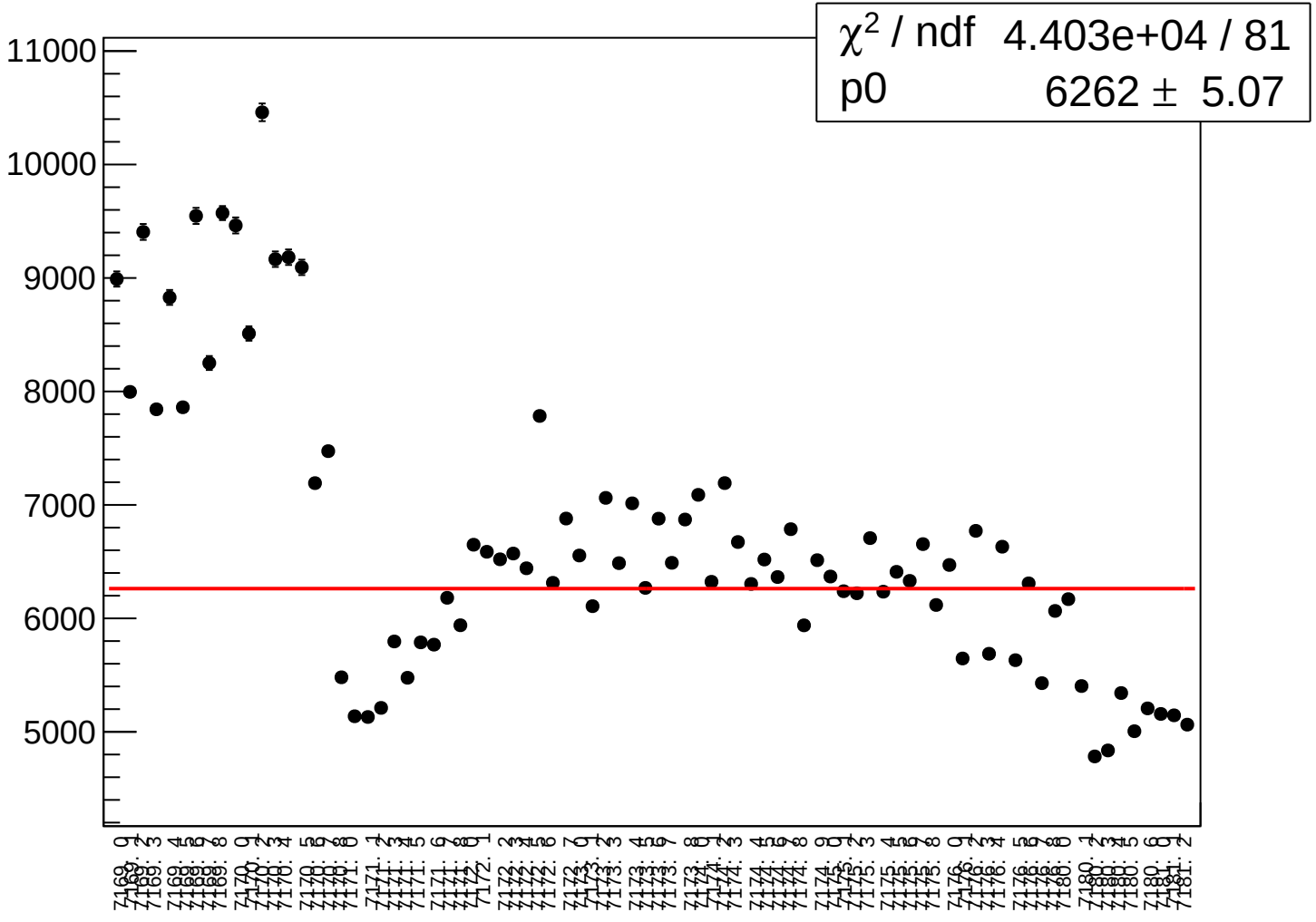

dit_asym_atl_avg_mean vs run
χ² / ndf 78.25 / 81
p0 −3476 ± 2109
pull
Entries 82
Mean −482.9
Std Dev 519.7
pull1D
Entries 82
Mean 0.007124
Std Dev 0.9769

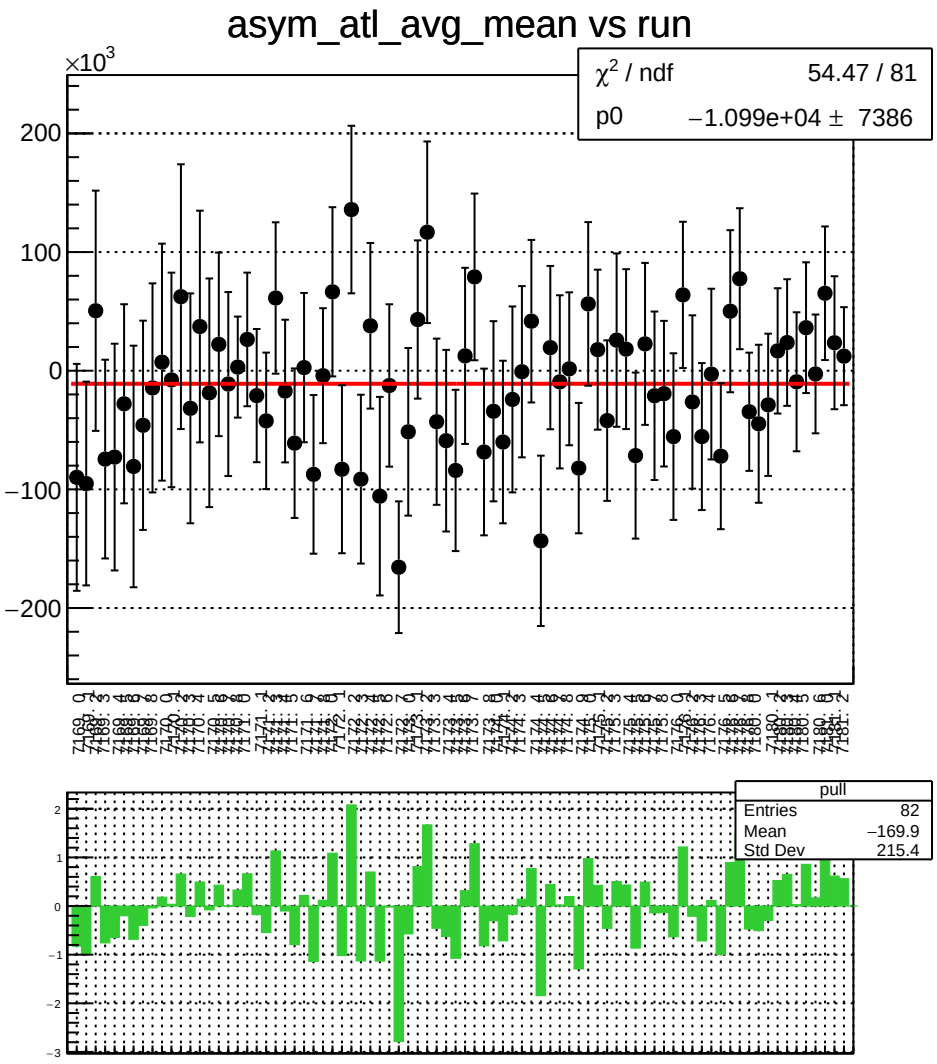

dit_asym_atl_avg_rms vs run
χ² / ndf 222.1 / 81
p0 1868 ± 1.491
1960
1940
1920
1900
1880
1860
1840
1820
1800

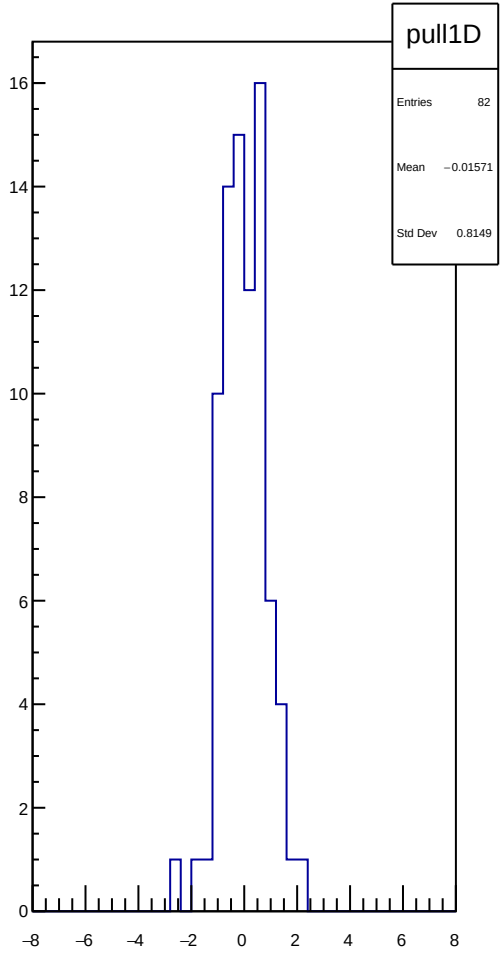

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 55.57 / 81
p0 7610 ± 7170
pull
Entries 82
Mean −213.7
Std Dev 257.5

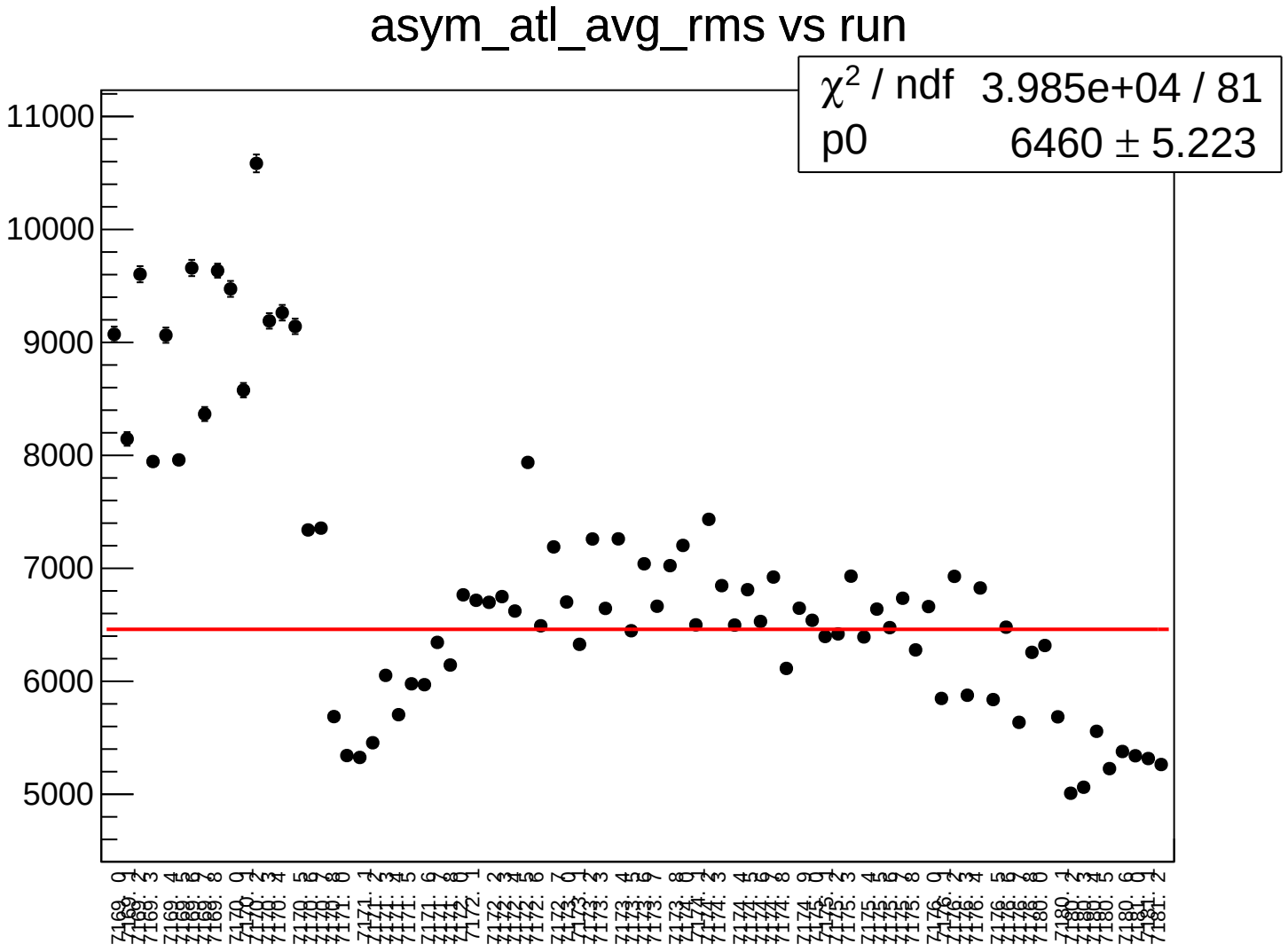

pull1D
Entries 82
Mean 0.01753
Std Dev 0.823

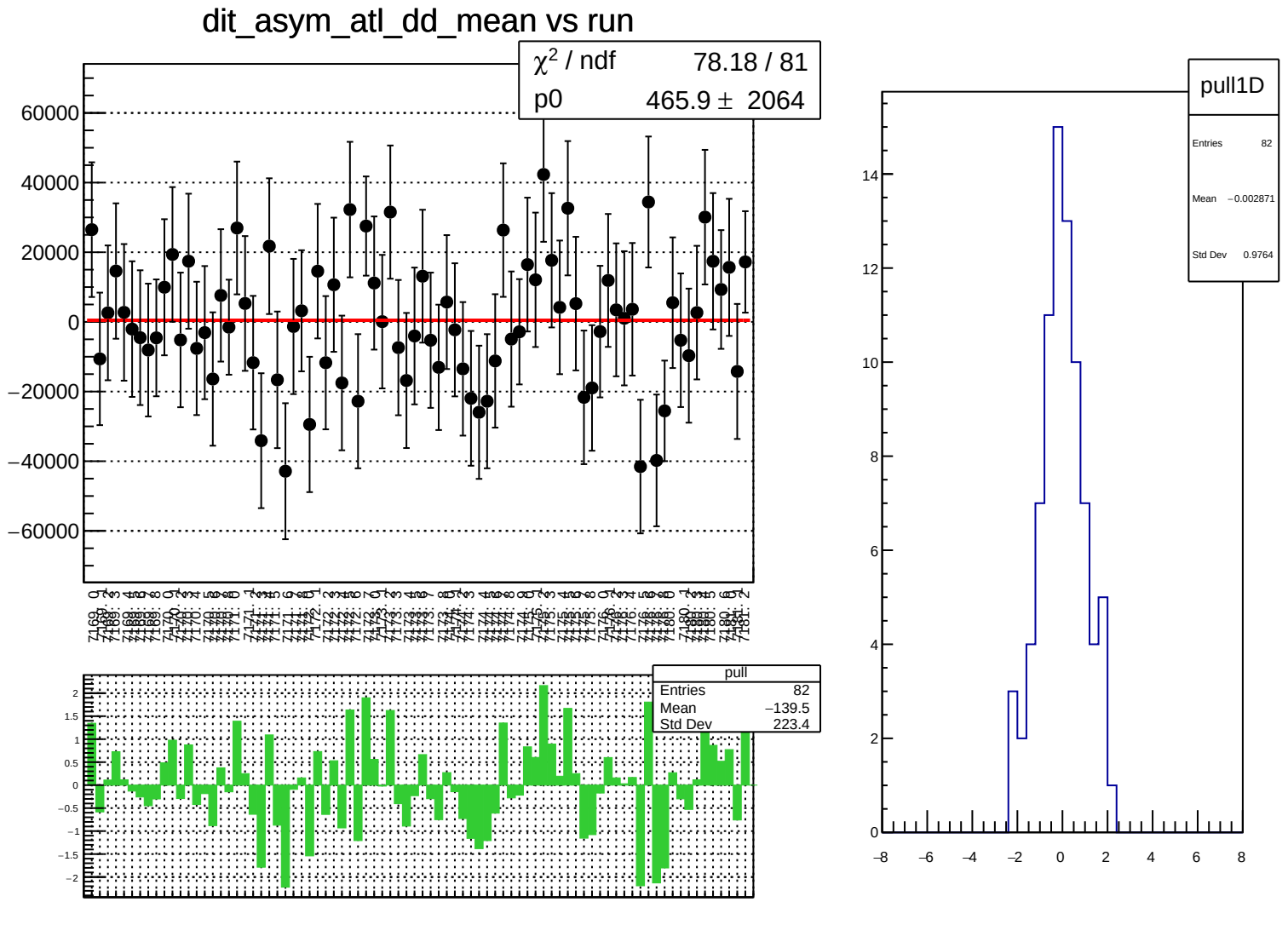
asym_atl_avg_correction_rms vs run

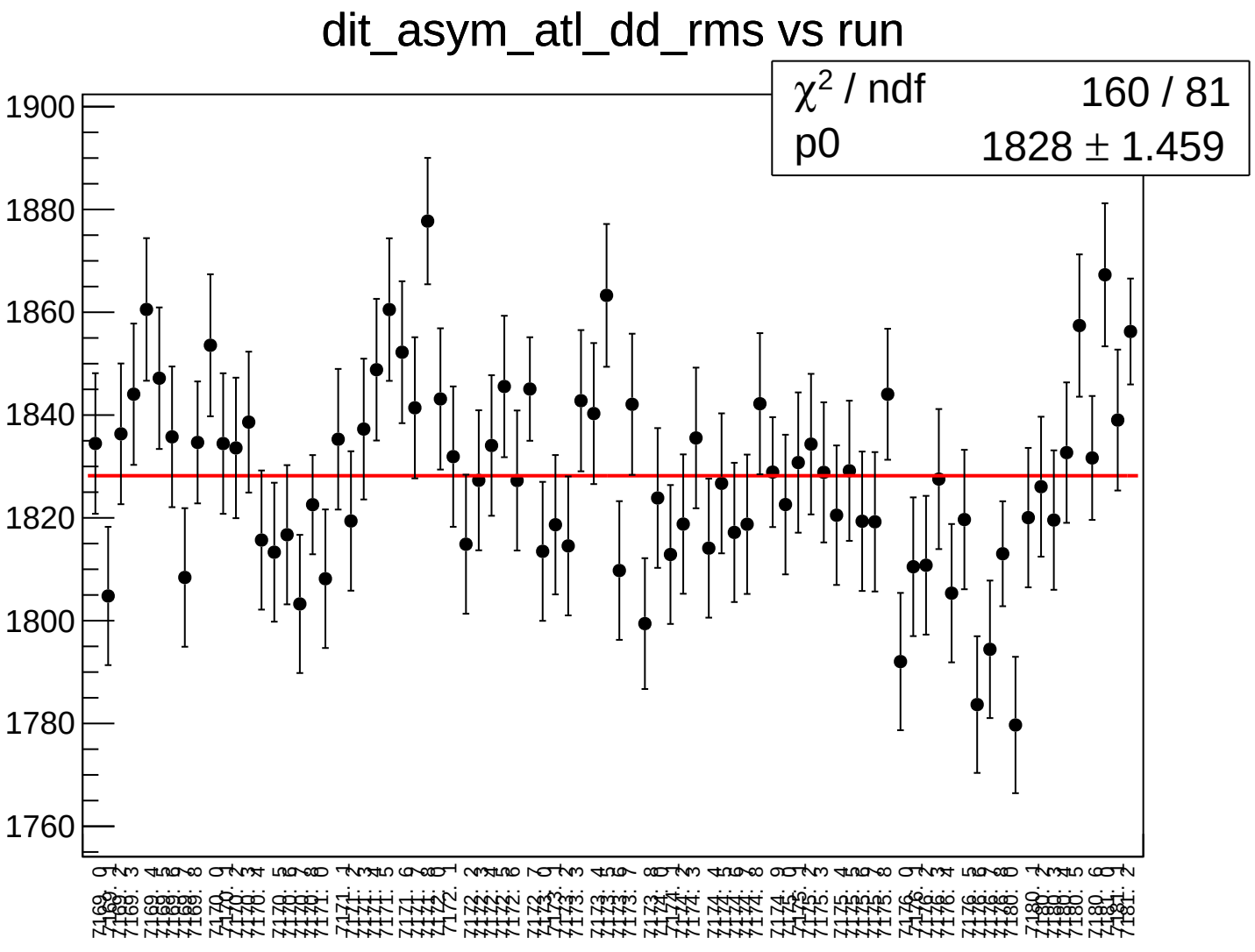


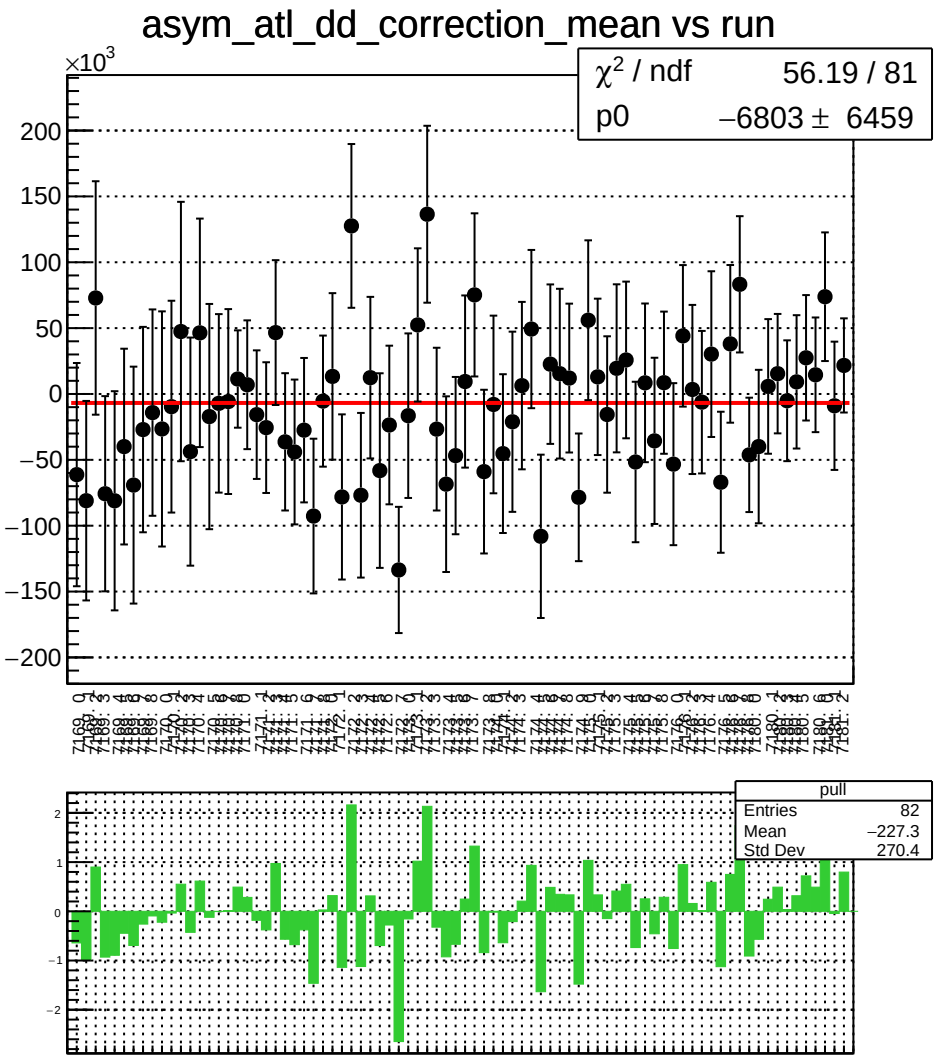

asym_atl_avg_mean vs run
×10^3
χ² / ndf 54.47 / 81
p0 −1.099e+04 ± 7386
pull
Entries 82
Mean −169.9
Std Dev 215.4

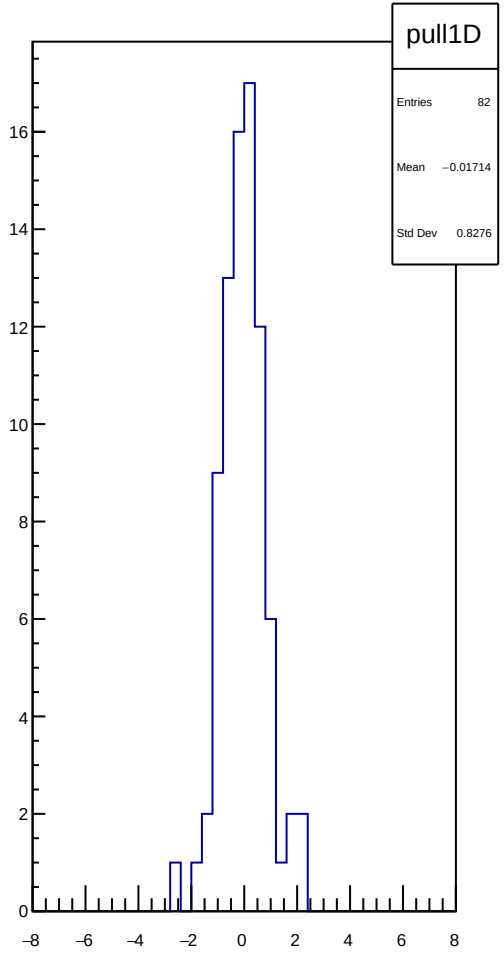

pull1D
Entries 82
Mean −0.01571
Std Dev 0.8149


asym_atl_avg_rms vs run
χ² / ndf 3.985e+04 / 81
p0 6460 ± 5.223
11000
10000
9000
8000
7000
6000
5000

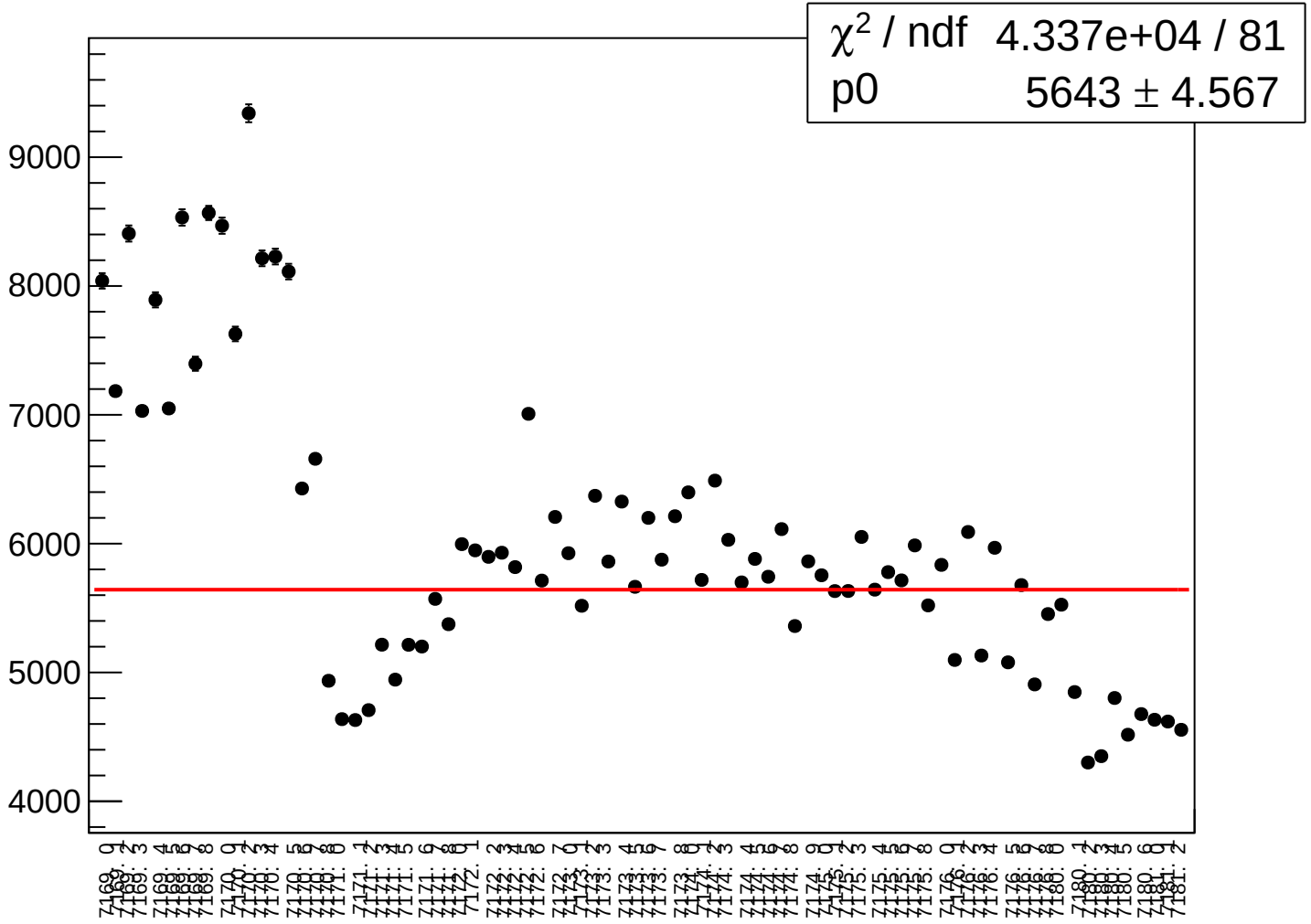

dit_asym_atl_dd_mean vs run
χ² / ndf 78.18 / 81
p0 465.9 ± 2064
pull
Entries 82
Mean −139.5
Std Dev 223.4
pull1D
Entries 82
Mean −0.002871
Std Dev 0.9764

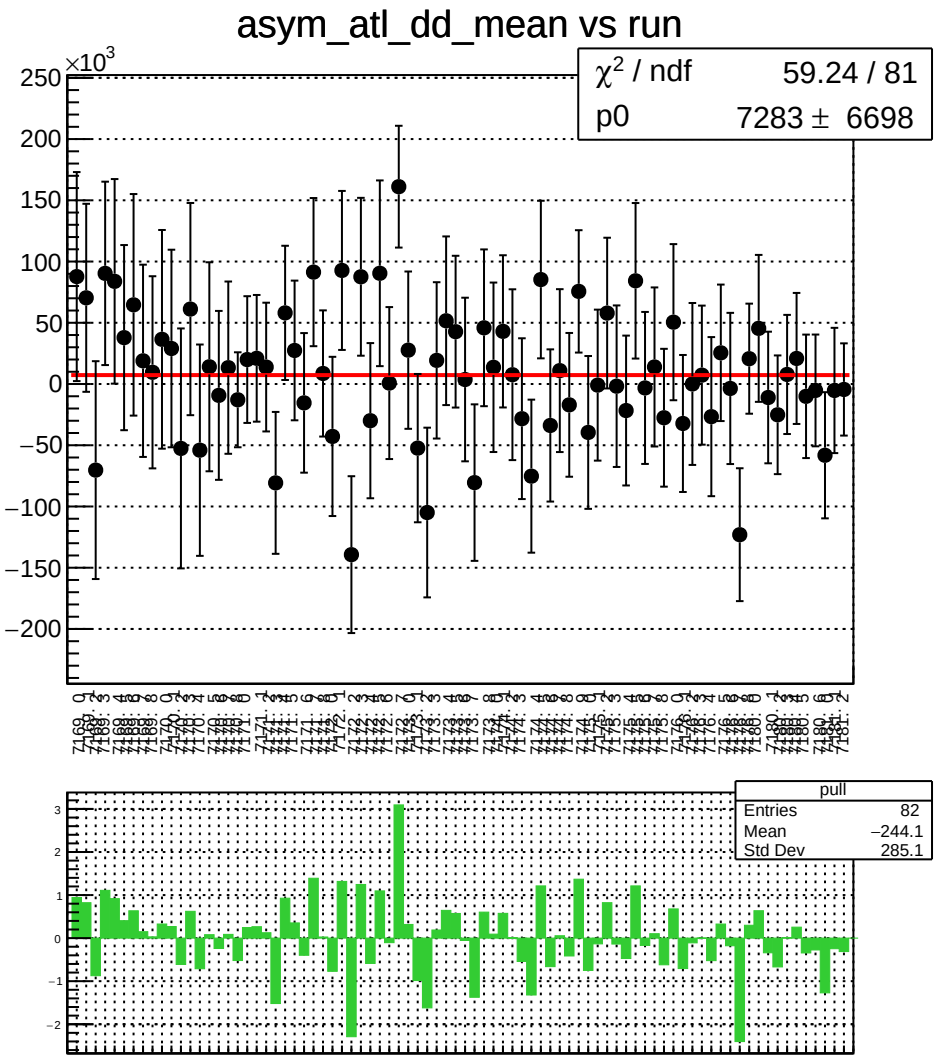

dit_asym_atl_dd_rms vs run
χ² / ndf 160 / 81
p0 1828 ± 1.459
1900
1880
1860
1840
1820
1800
1780
1760

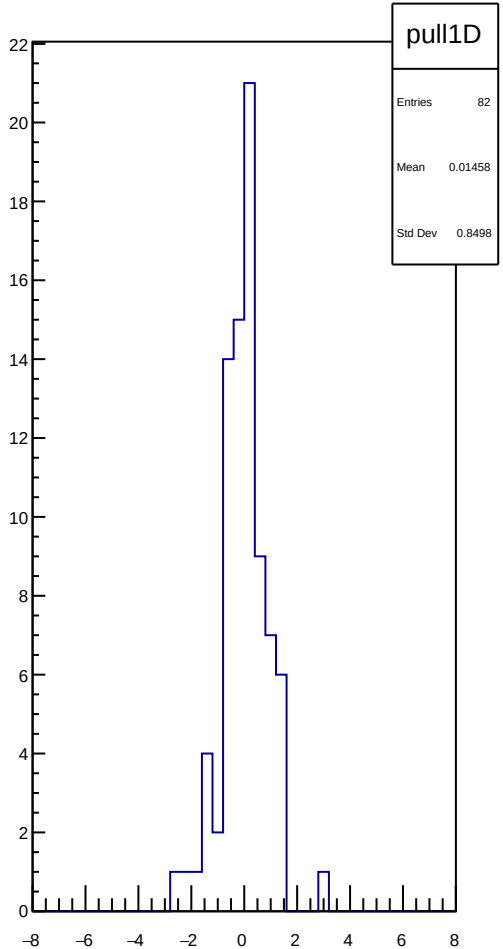

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 56.19 / 81
p0 −6803 ± 6459
pull
Entries 82
Mean −227.3
Std Dev 270.4

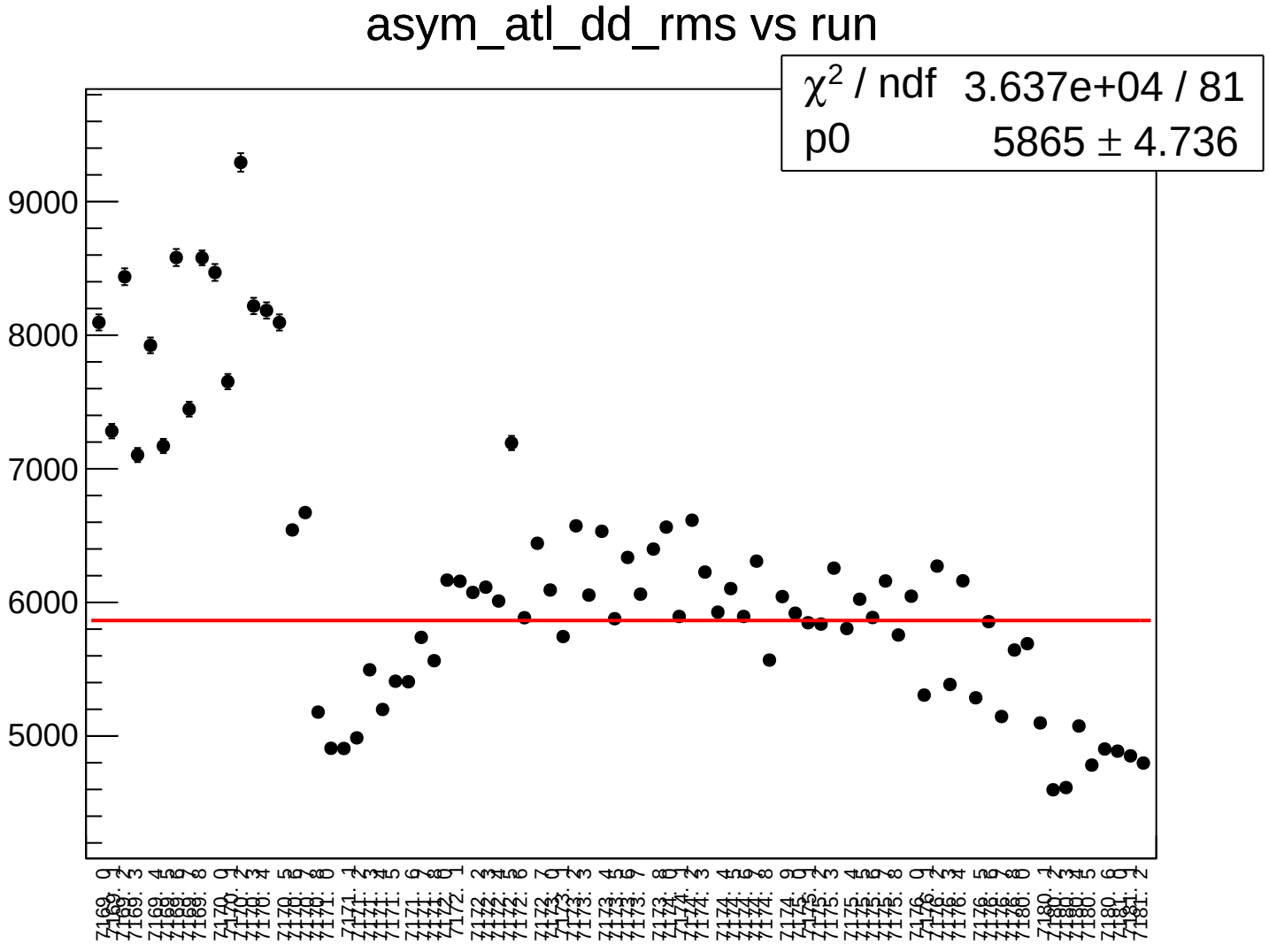

pull1D
Entries 82
Mean −0.01714
Std Dev 0.8276

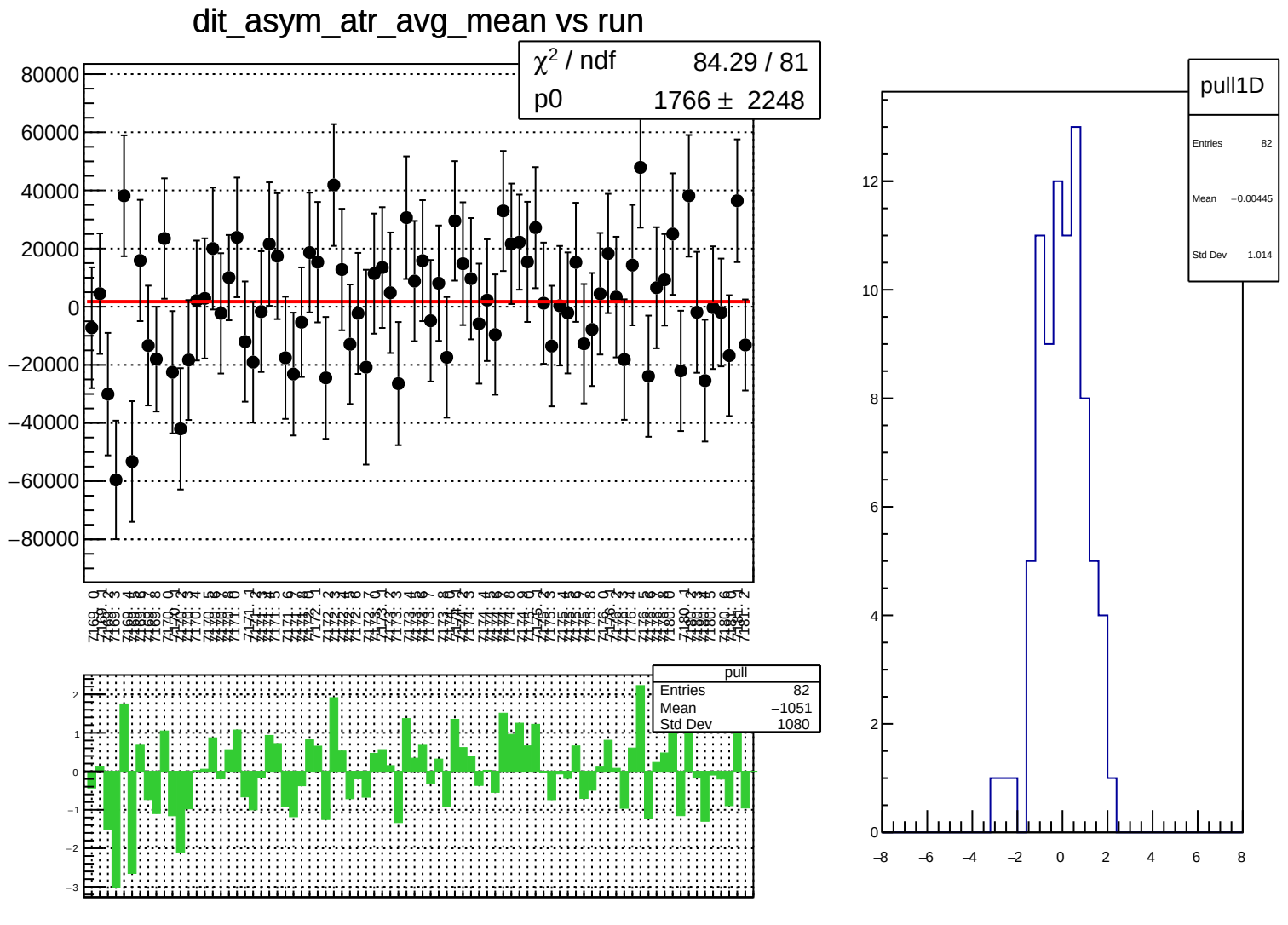
asym_atl_dd_correction_rms vs run

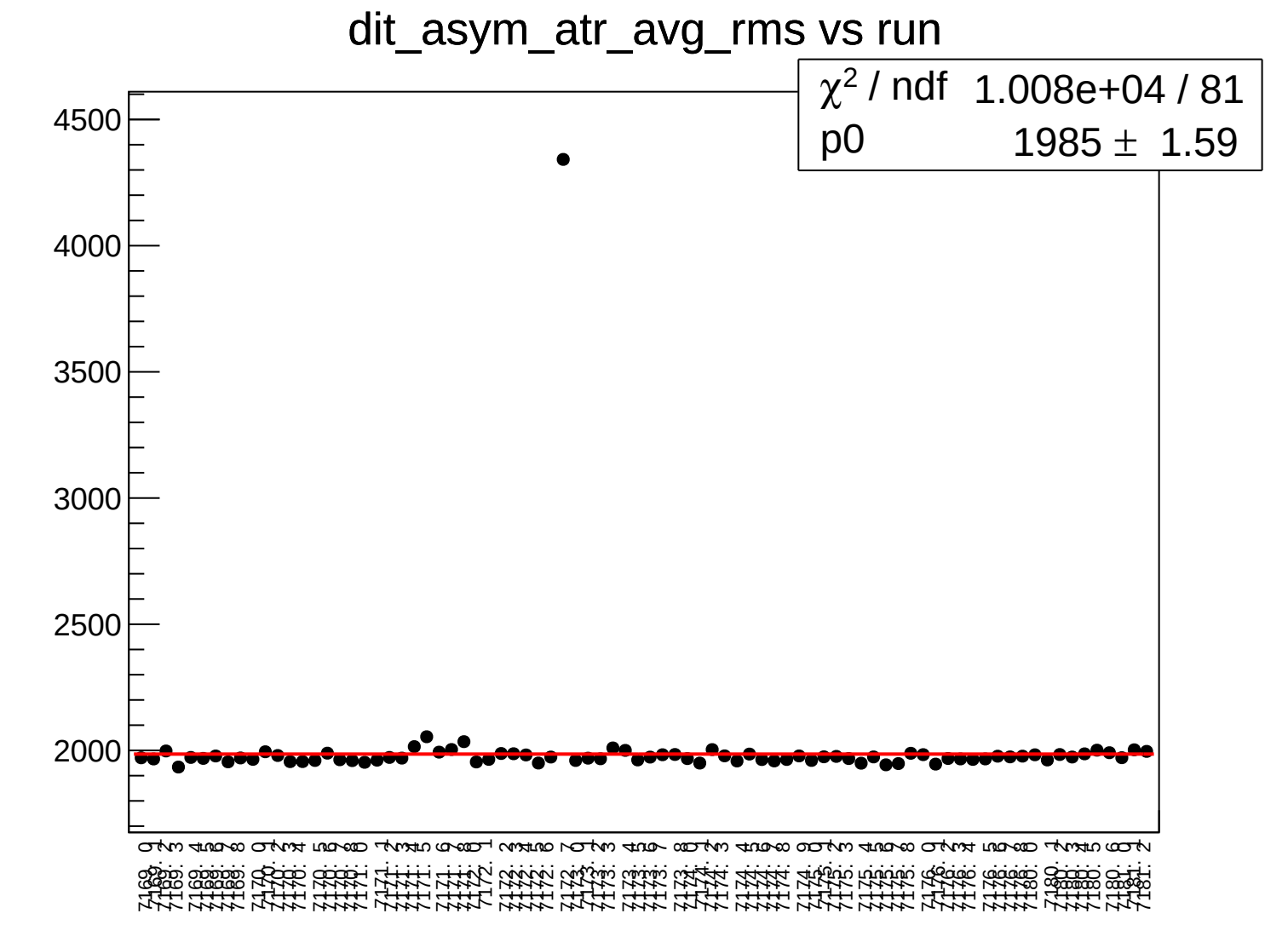


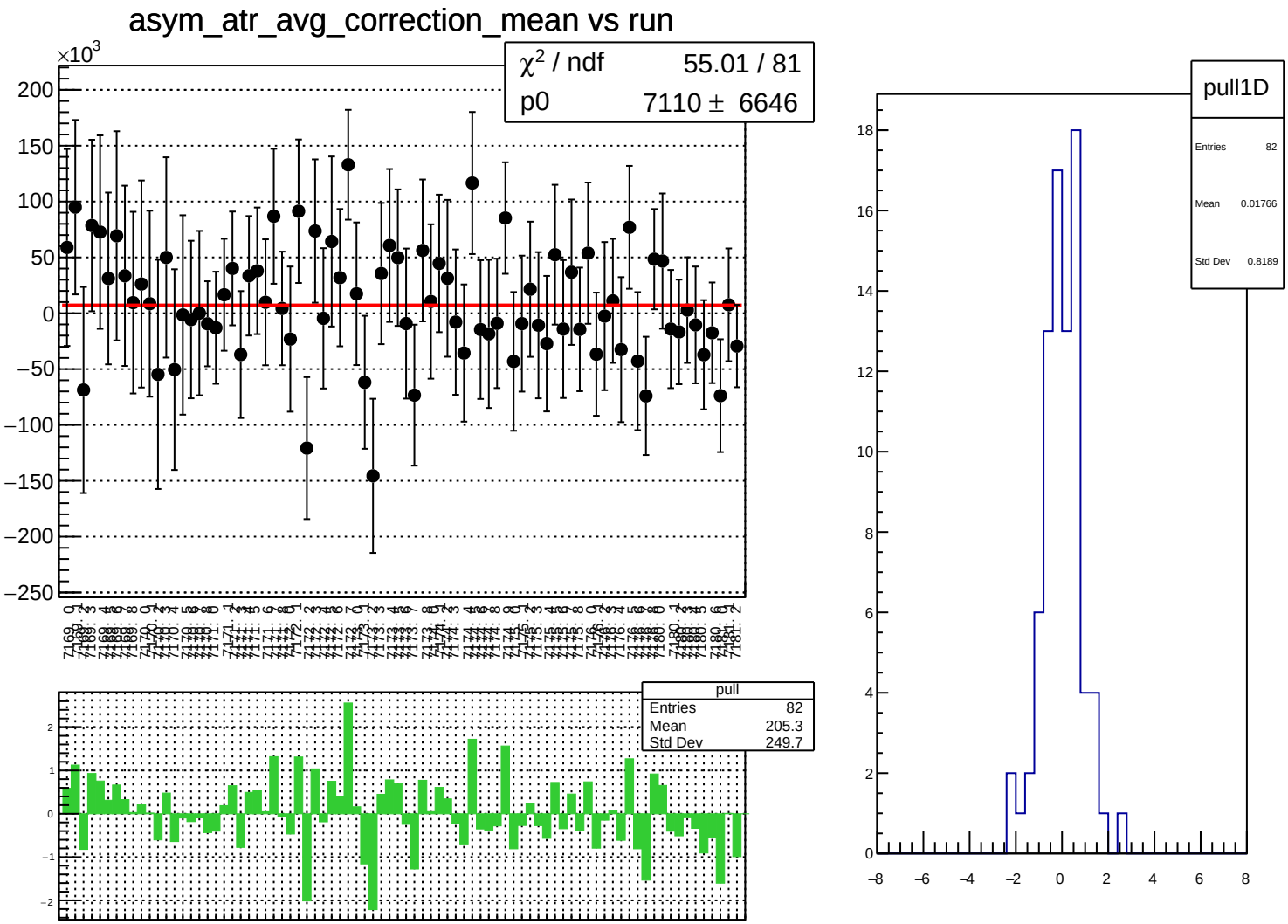

asym_atl_dd_mean vs run
×10^3
χ² / ndf 59.24 / 81
p0 7283 ± 6698
pull
Entries 82
Mean −244.1
Std Dev 285.1


pull1D
Entries 82
Mean 0.01458
Std Dev 0.8498

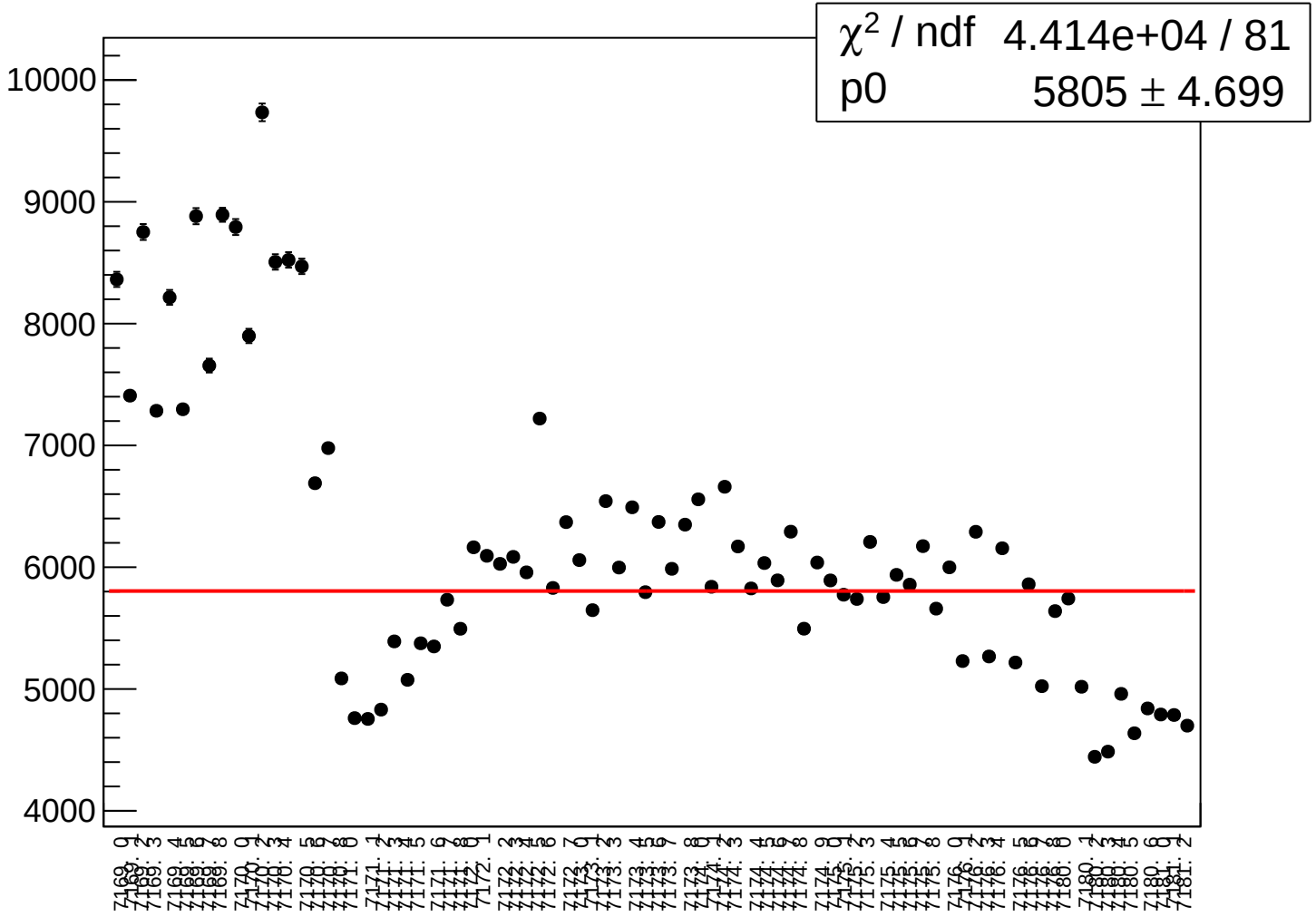

asym_atl_dd_rms vs run
χ^2 / ndf 3.637e+04 / 81
p0 5865 ± 4.736
9000
8000
7000
6000
5000

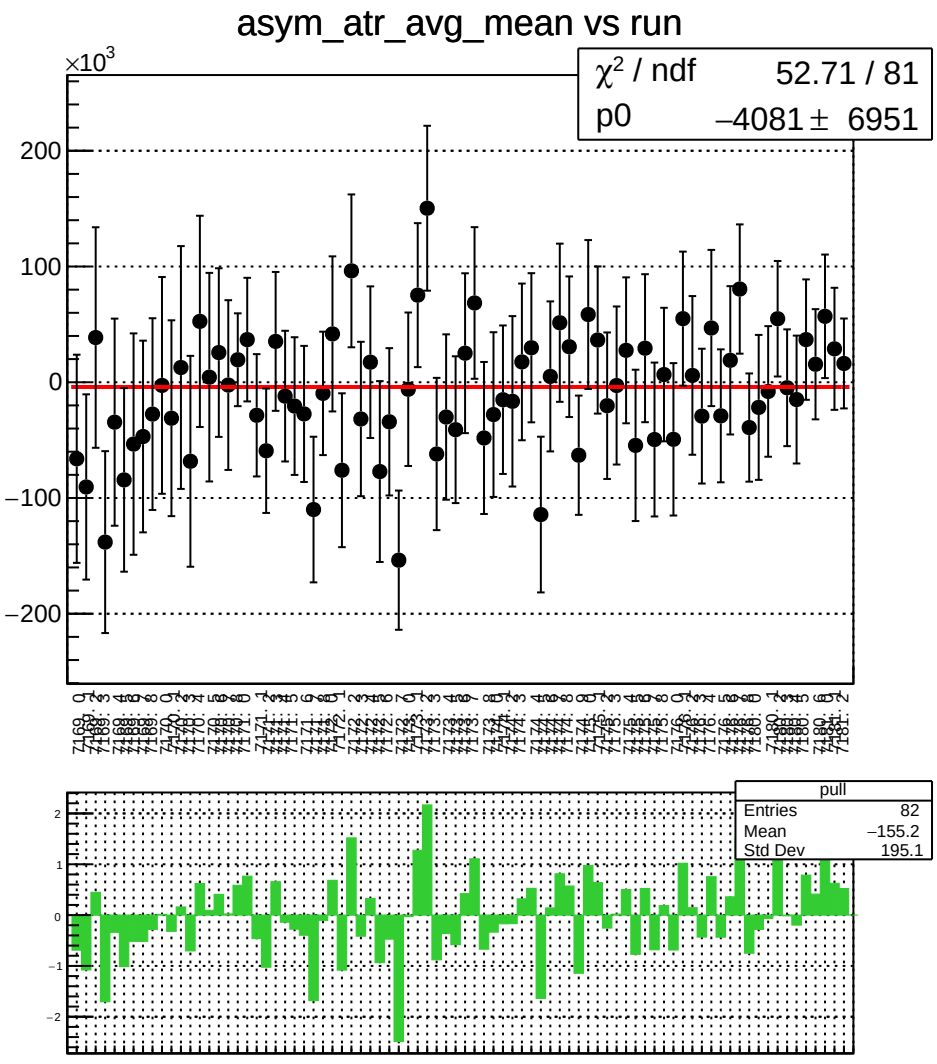

dit_asym_atr_avg_mean vs run
χ² / ndf 84.29 / 81
p0 1766 ± 2248
pull
Entries 82
Mean −1051
Std Dev 1080
pull1D
Entries 82
Mean −0.00445
Std Dev 1.014

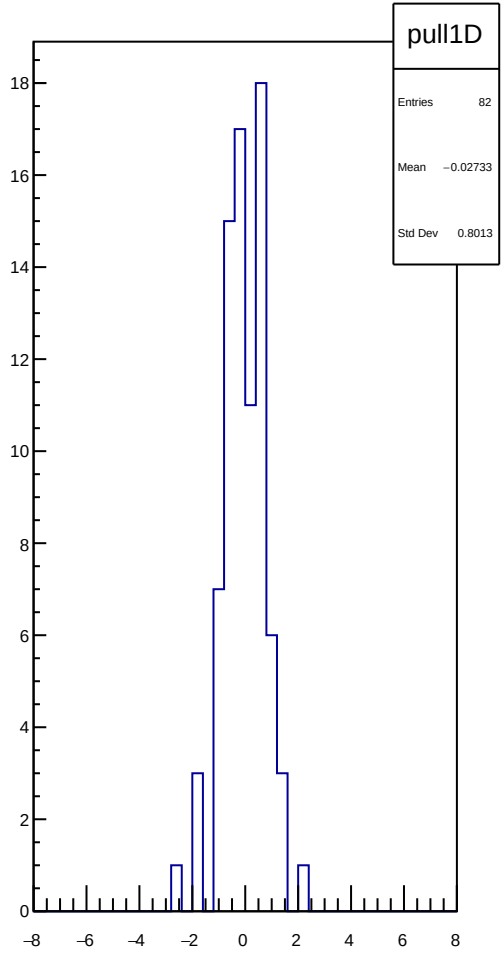

dit_asym_atr_avg_rms vs run
χ² / ndf 1.008e+04 / 81
p0 1985 ± 1.59
4500
4000
3500
3000
2500
2000

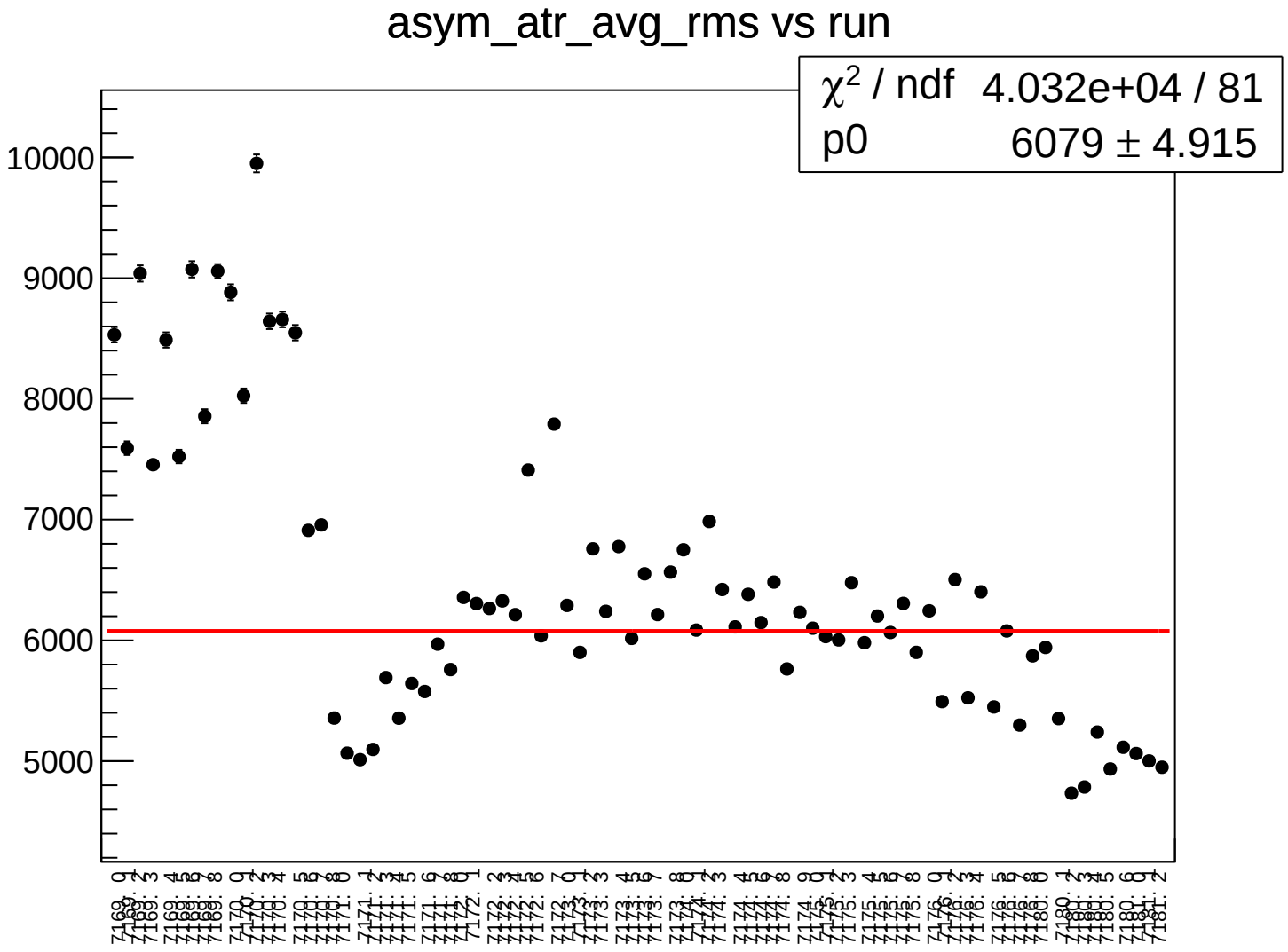

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 55.01 / 81
p0 7110 ± 6646
pull
Entries 82
Mean −205.3
Std Dev 249.7
pull1D
Entries 82
Mean 0.01766
Std Dev 0.8189

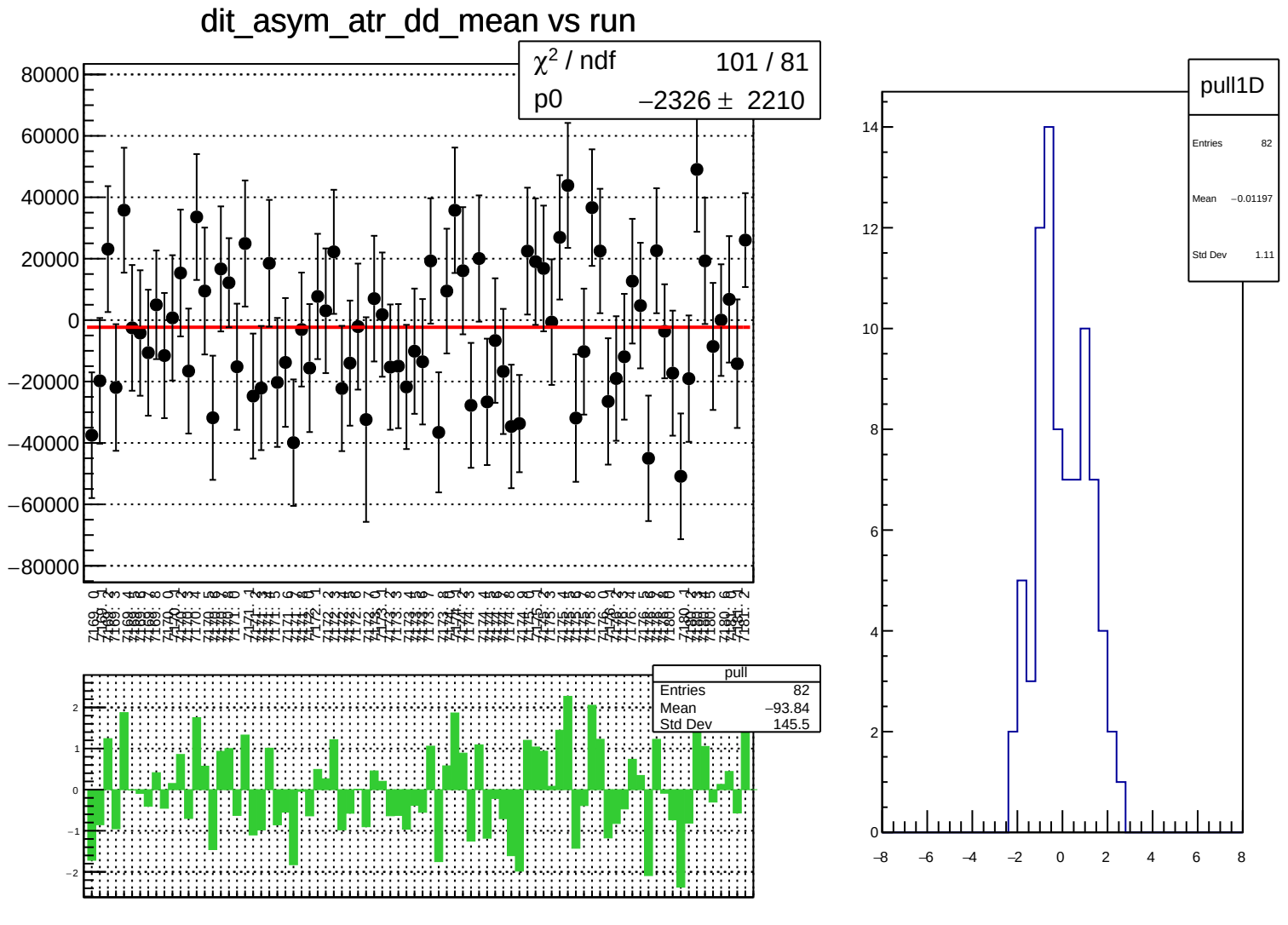
asym_atr_avg_correction_rms vs run

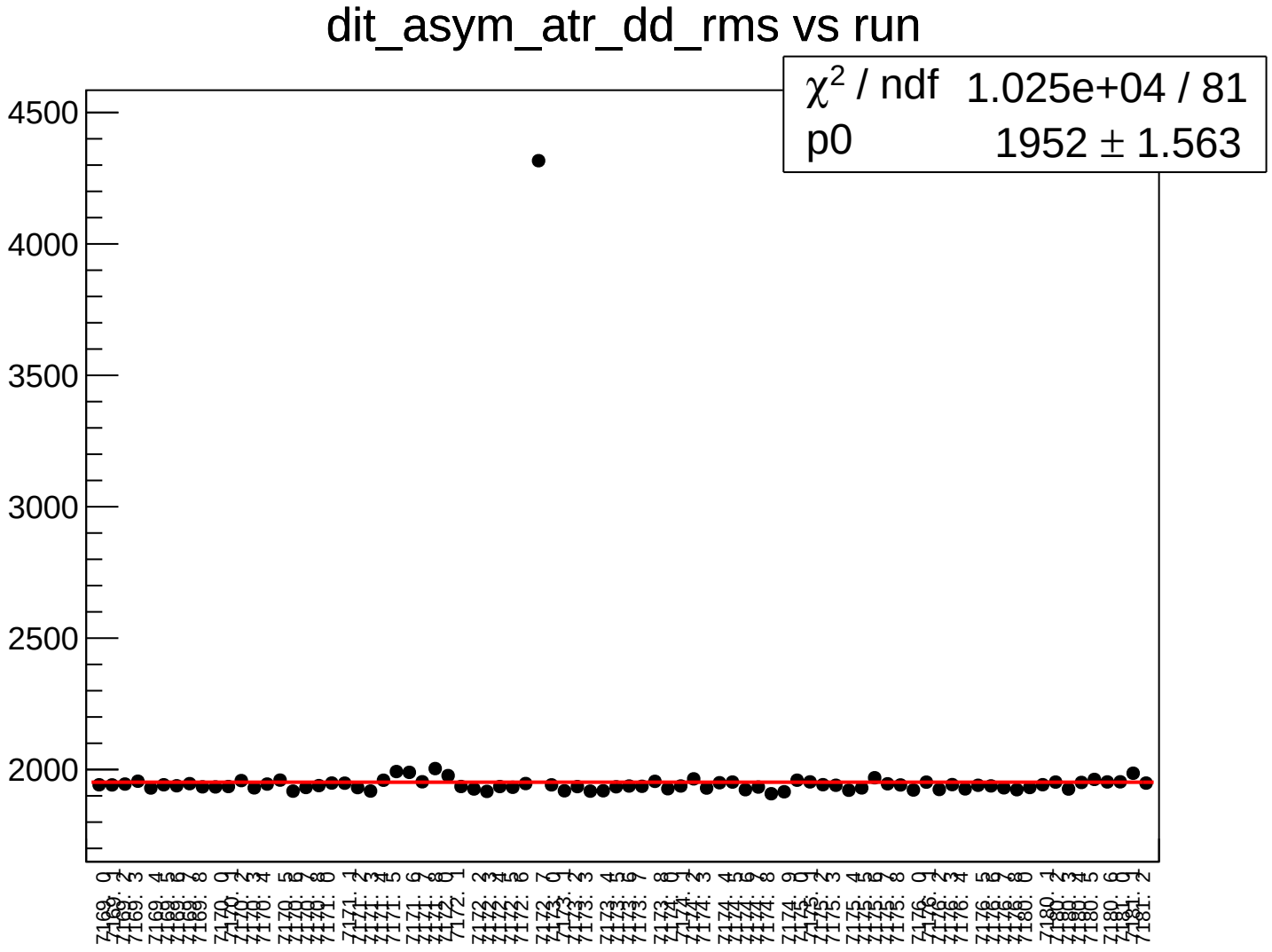


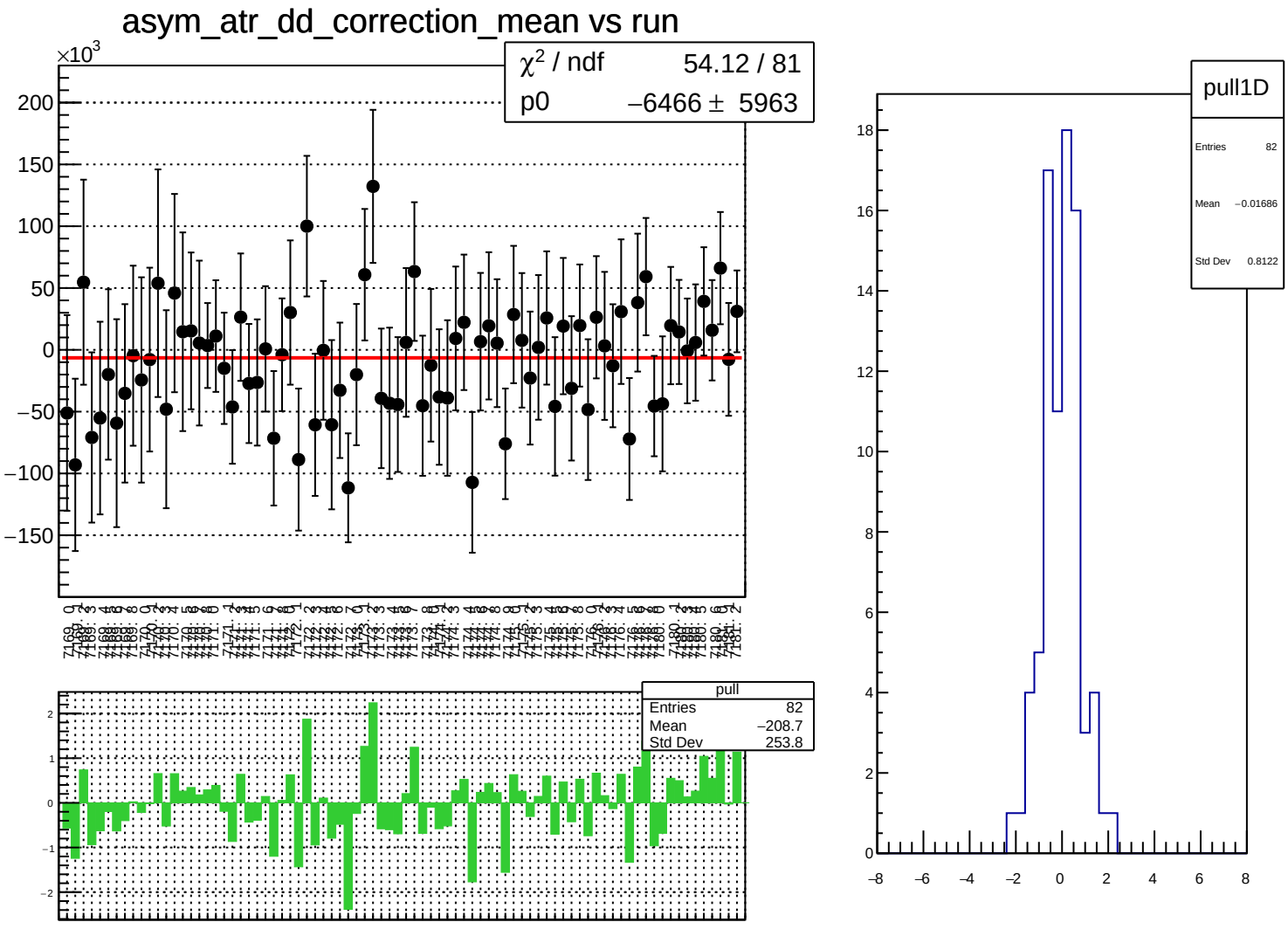

asym_atr_avg_mean vs run
×10^3
χ² / ndf 52.71 / 81
p0 −4081 ± 6951
200
100
0
−100
−200
pull
Entries 82
Mean −155.2
Std Dev 195.1
2
1
0
−1
−2

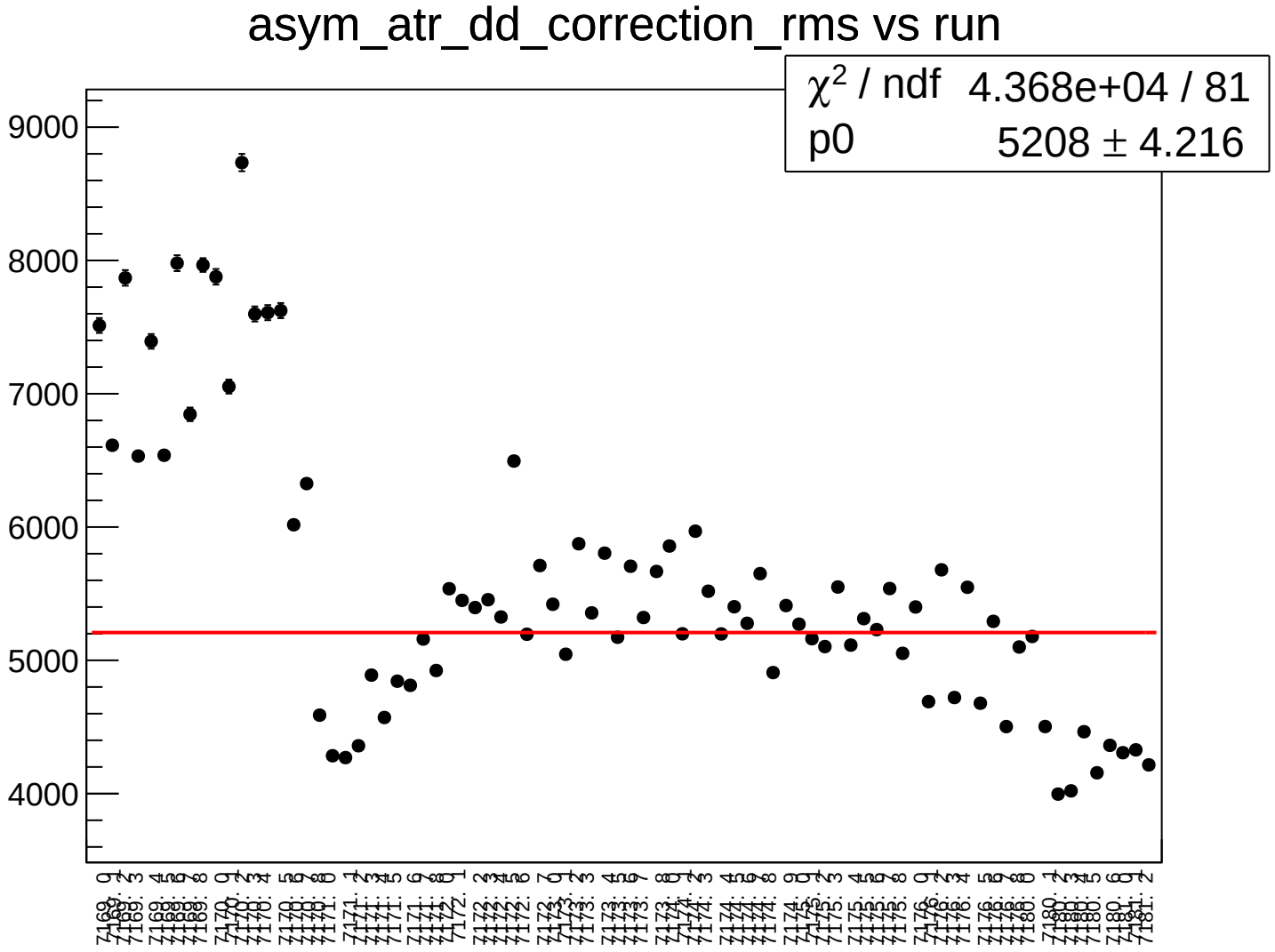

pull1D
Entries 82
Mean −0.02733
Std Dev 0.8013
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

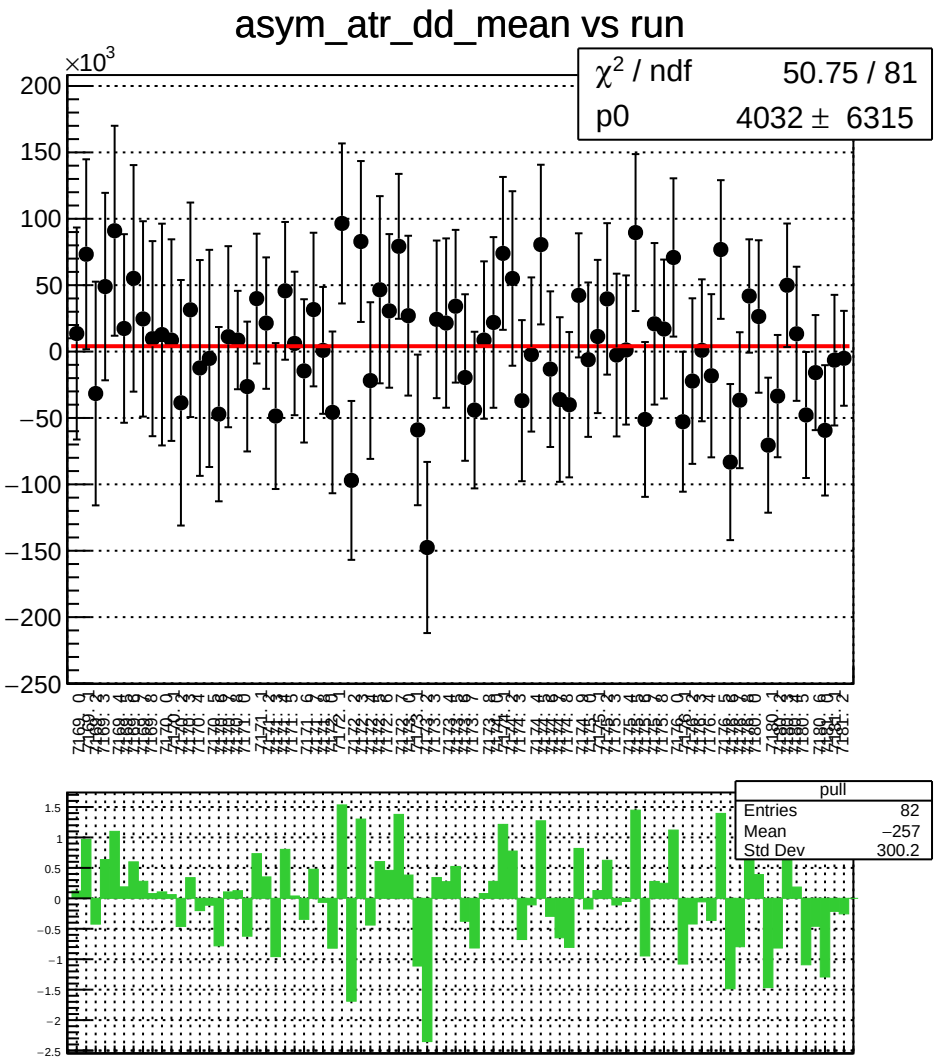

asym_atr_avg_rms vs run
χ^2 / ndf 4.032e+04 / 81
p0 6079 ± 4.915
10000
9000
8000
7000
6000
5000

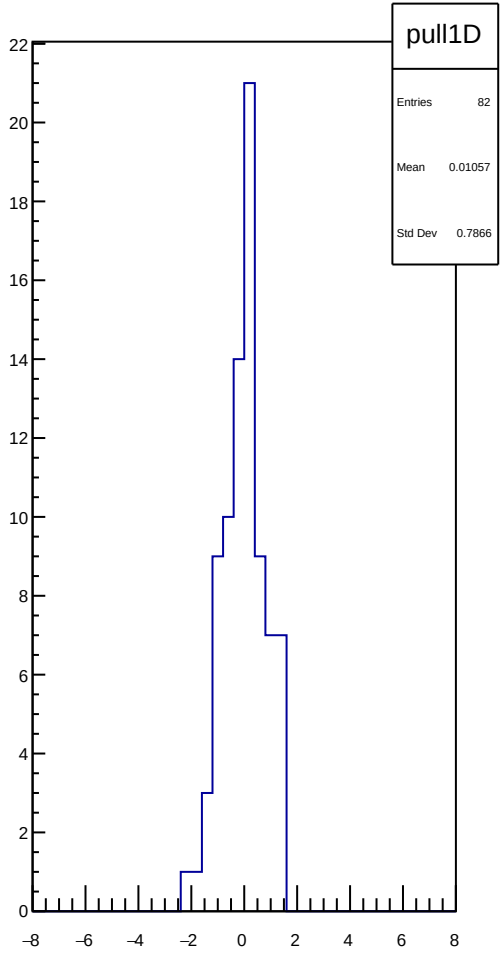

dit_asym_atr_dd_mean vs run
χ² / ndf 101 / 81
p0 −2326 ± 2210
pull
Entries 82
Mean −93.84
Std Dev 145.5
pull1D
Entries 82
Mean −0.01197
Std Dev 1.11

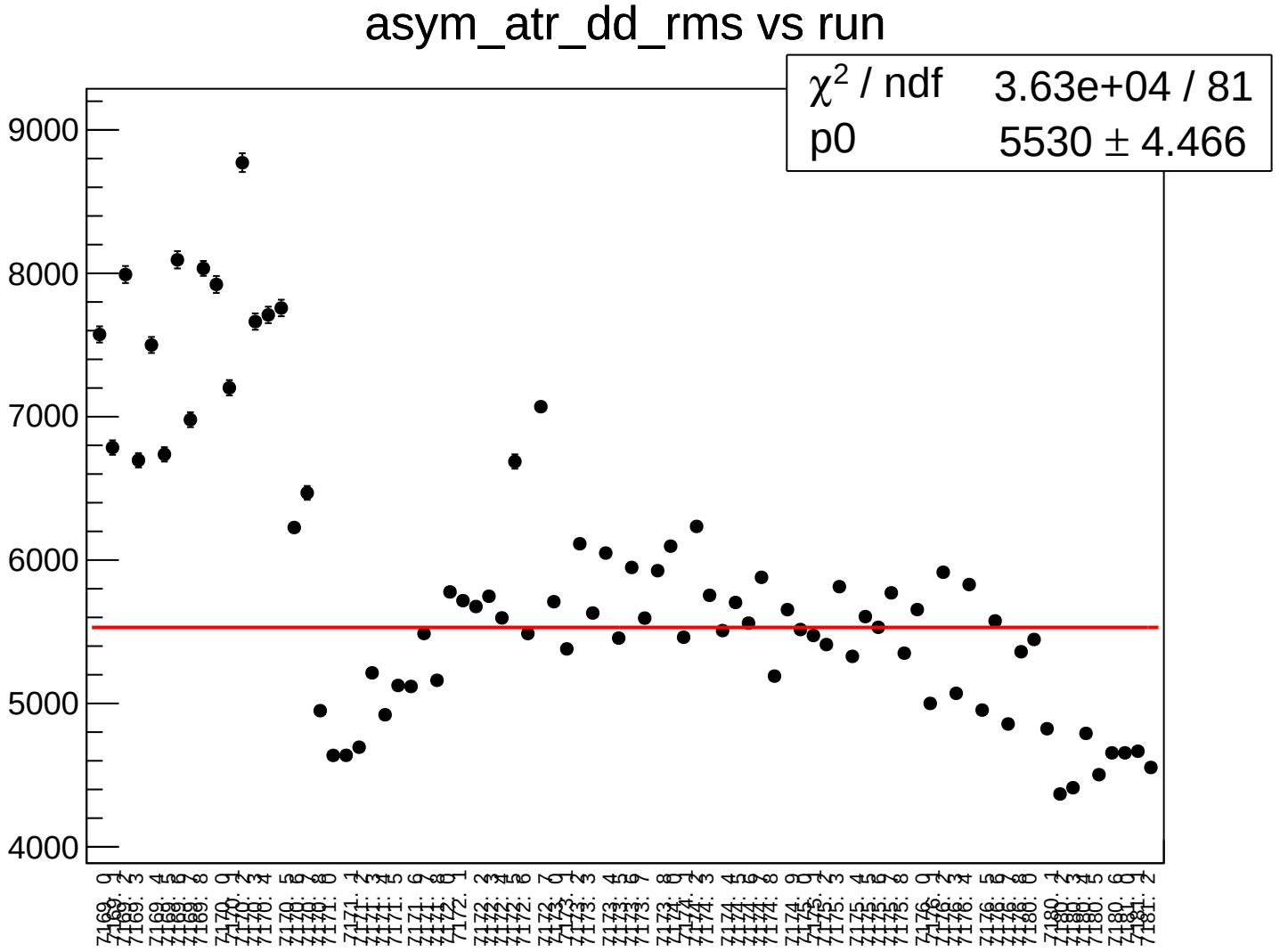

dit_asym_atr_dd_rms vs run
χ² / ndf 1.025e+04 / 81
p0 1952 ± 1.563
4500
4000
3500
3000
2500
2000

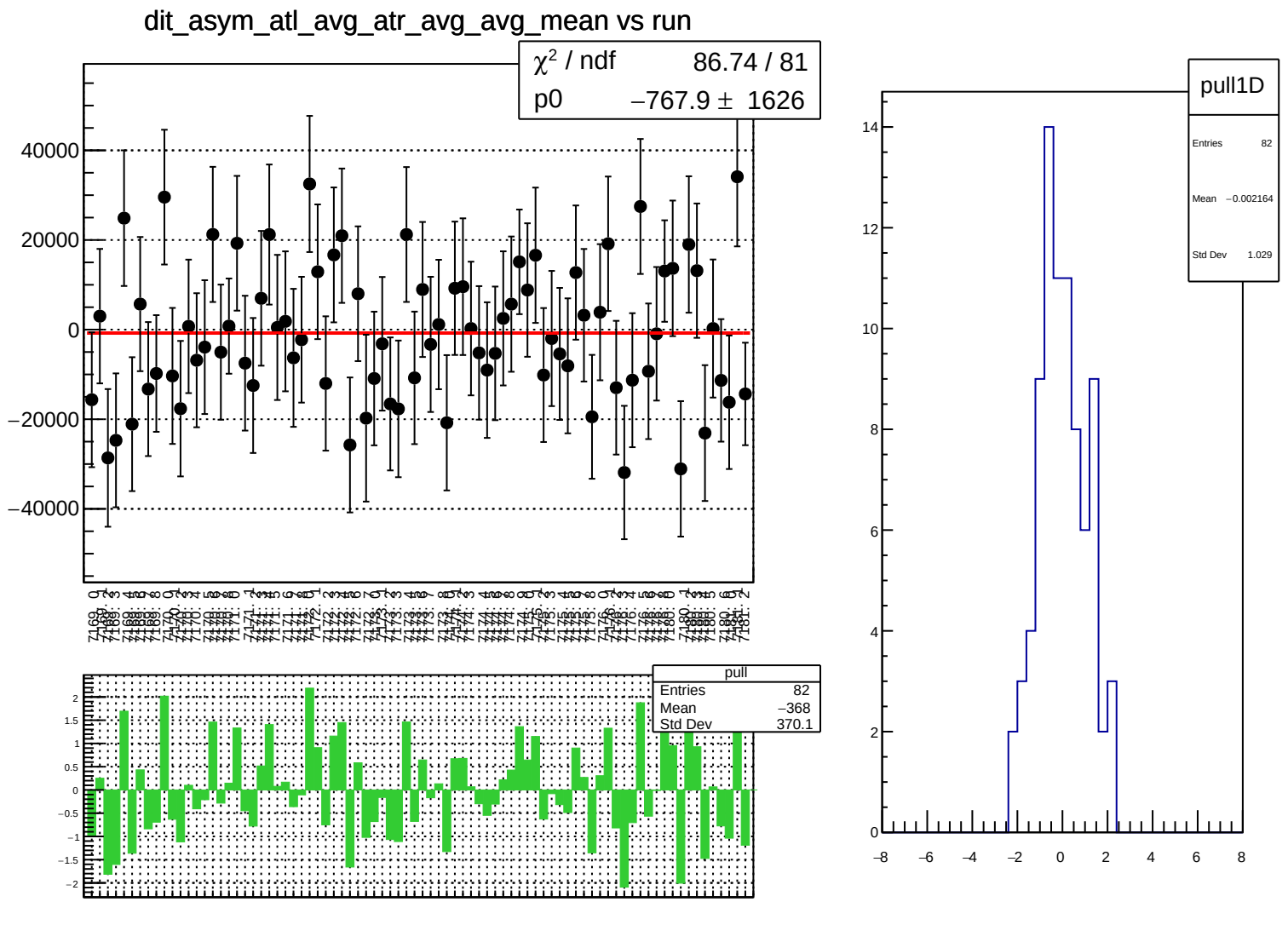

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 54.12 / 81
p0 −6466 ± 5963
pull
Entries 82
Mean −208.7
Std Dev 253.8
pull1D
Entries 82
Mean −0.01686
Std Dev 0.8122

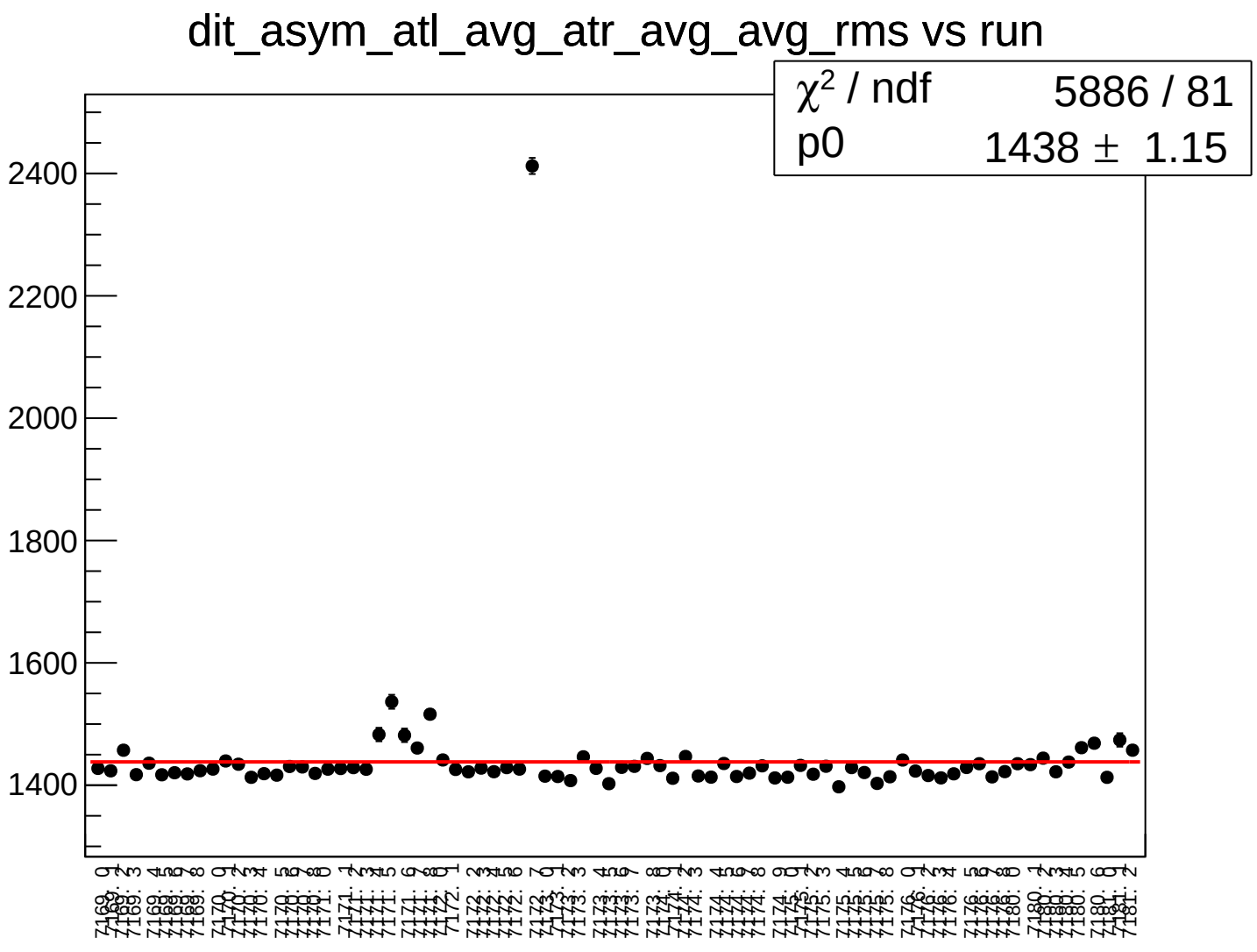

asym_atr_dd_correction_rms vs run
χ^2 / ndf 4.368e+04 / 81
p0 5208 ± 4.216
9000
8000
7000
6000
5000
4000

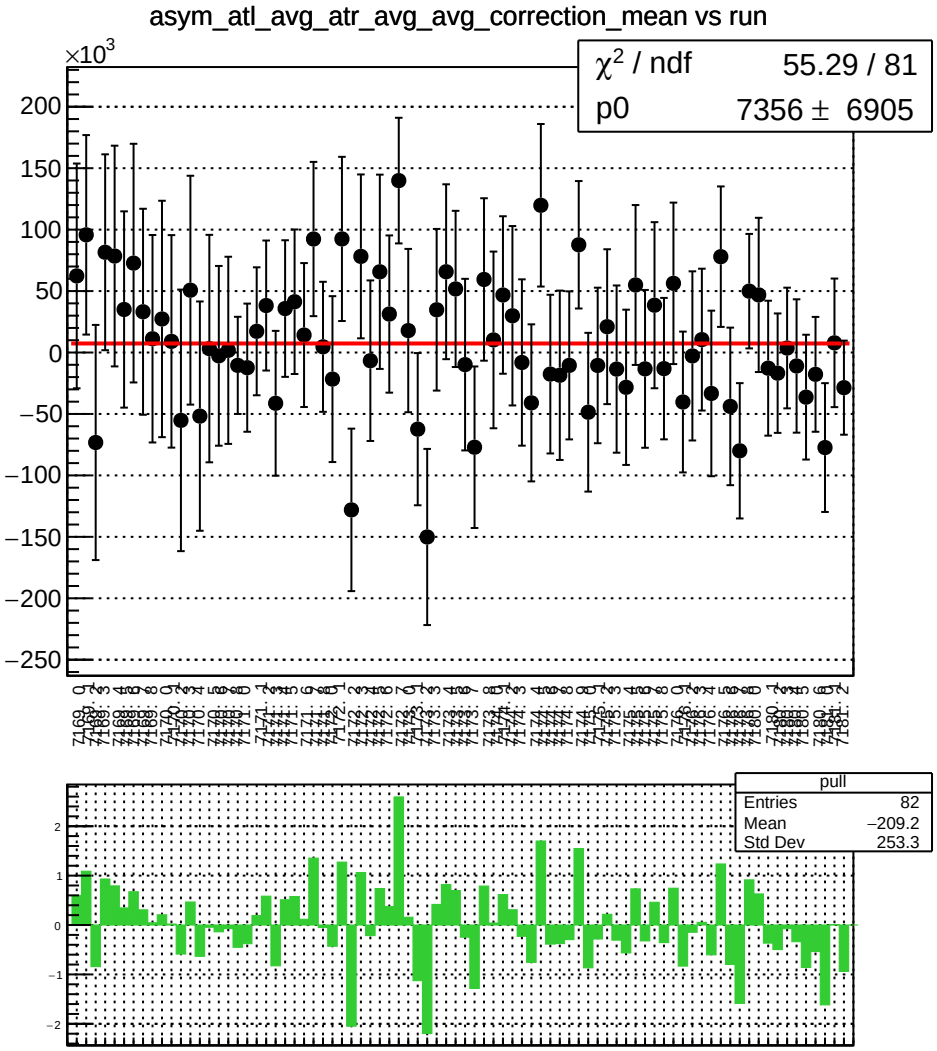

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 50.75 / 81
p0 4032 ± 6315
pull
Entries 82
Mean −257
Std Dev 300.2

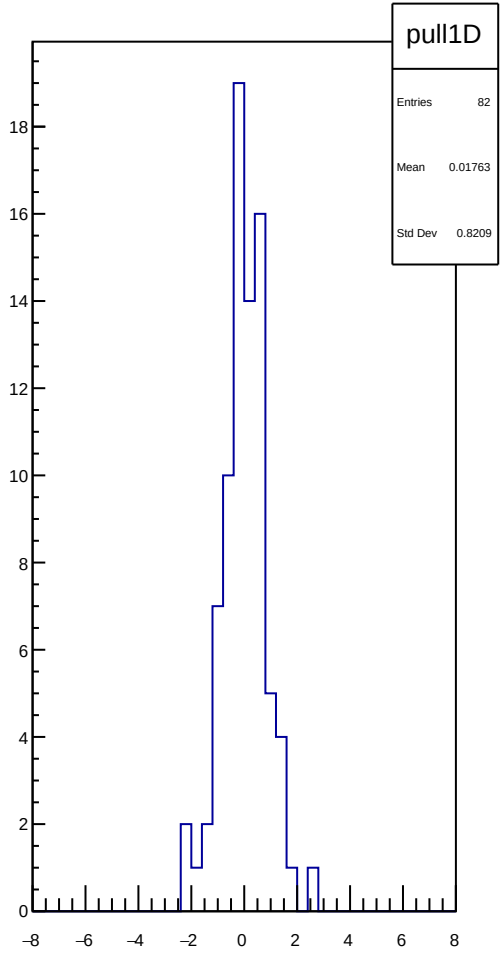

pull1D
Entries 82
Mean 0.01057
Std Dev 0.7866

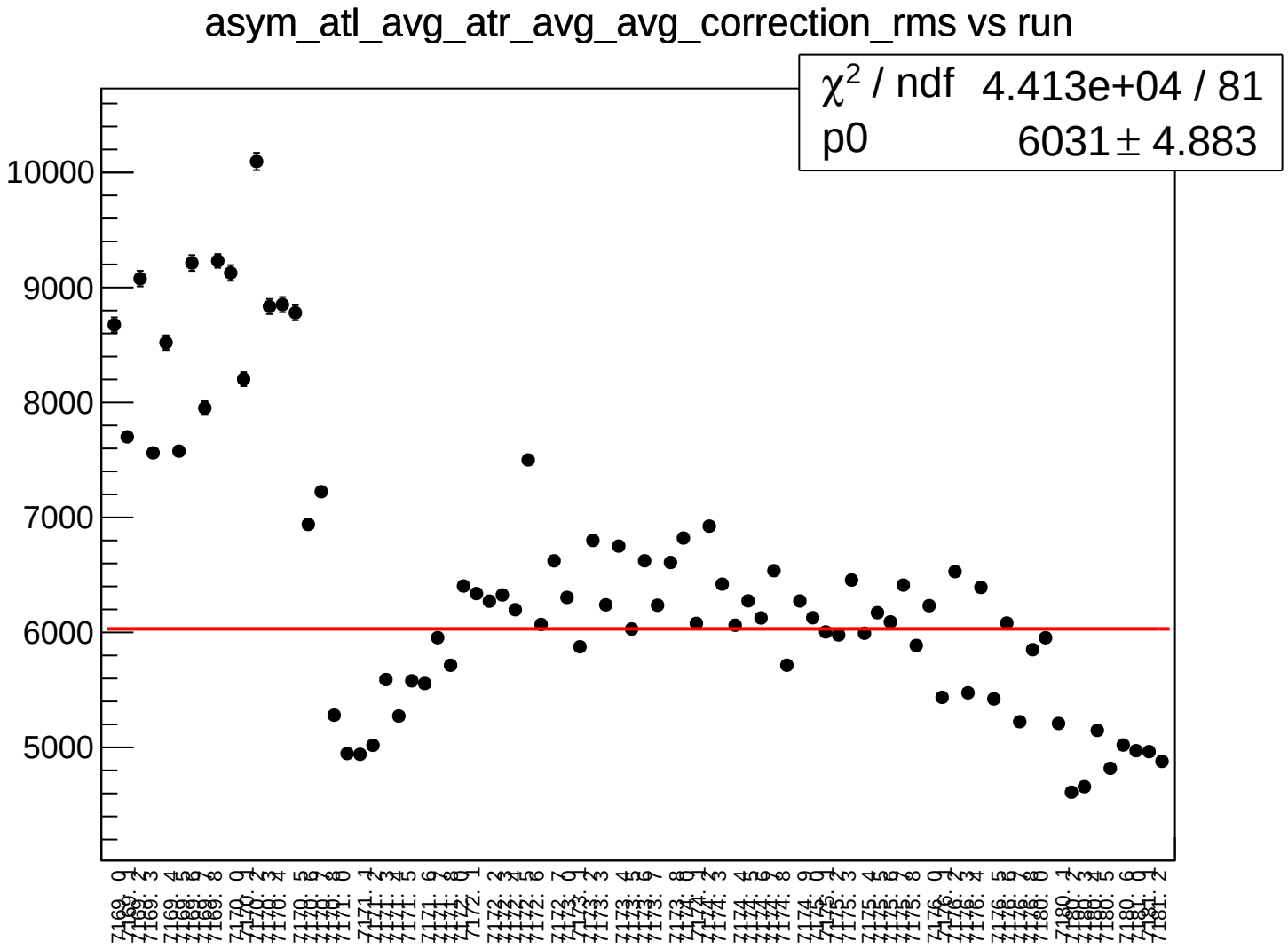

asym_atr_dd_rms vs run
χ² / ndf 3.63e+04 / 81
p0 5530 ± 4.466
9000
8000
7000
6000
5000
4000

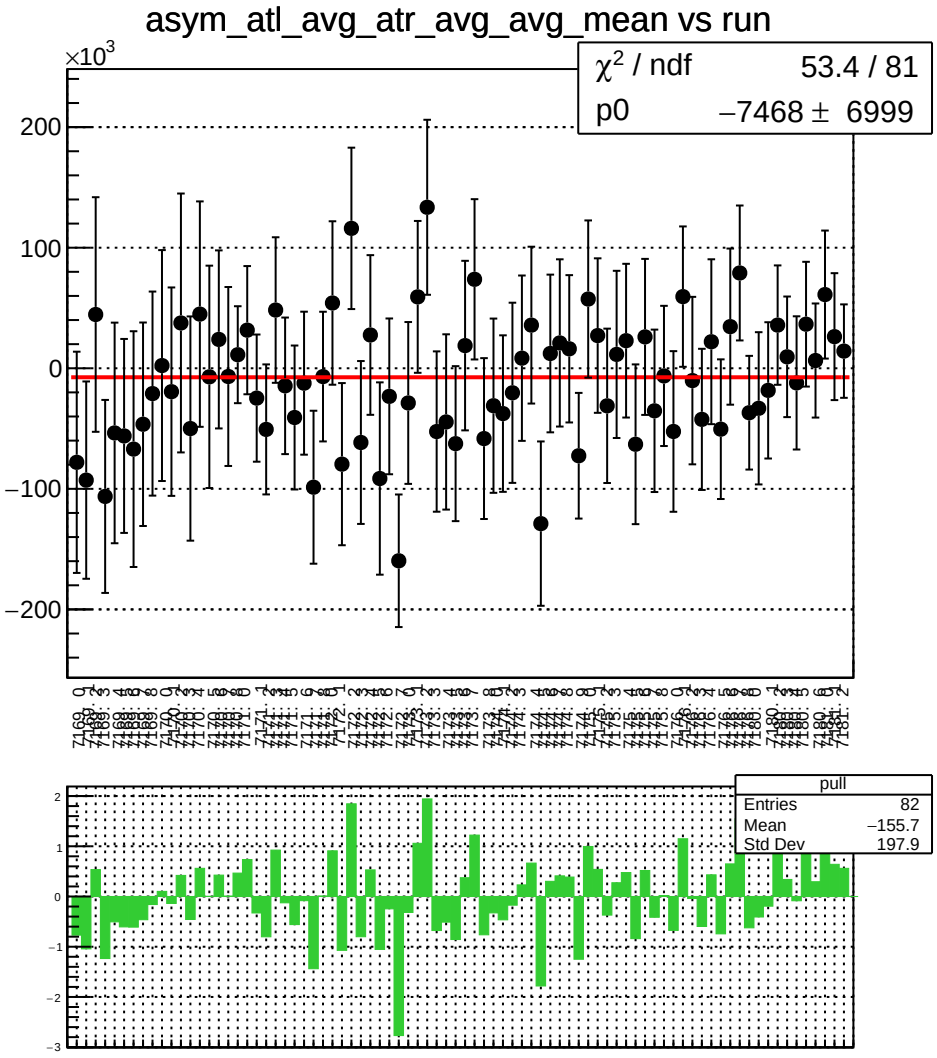

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 86.74 / 81
p0 −767.9 ± 1626
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −368
Std Dev 370.1
pull1D
Entries 82
Mean −0.002164
Std Dev 1.029

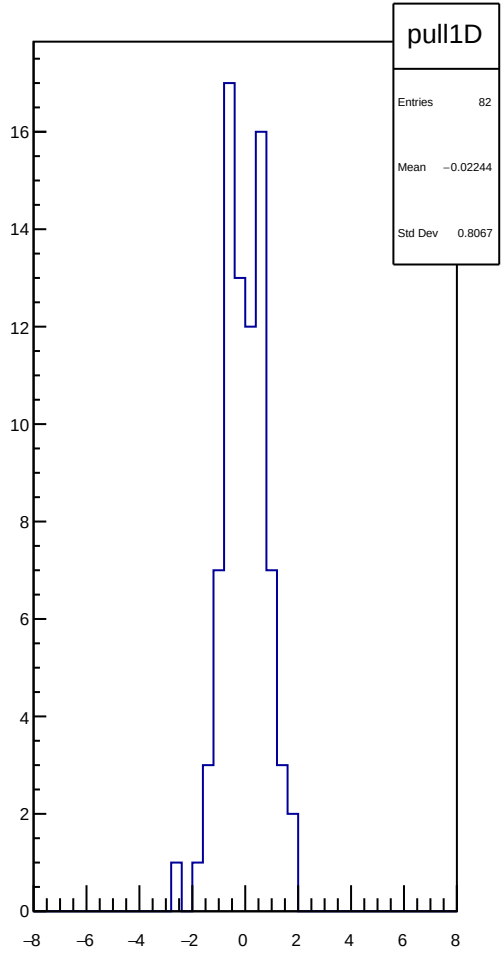

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 5886 / 81
p0 1438 ± 1.15
2400
2200
2000
1800
1600
1400


asym_atl_avg_atr_avg_avg_correction_mean vs run
χ^2 / ndf 55.29 / 81
p0 7356 ± 6905
×10^3
pull
Entries 82
Mean −209.2
Std Dev 253.3

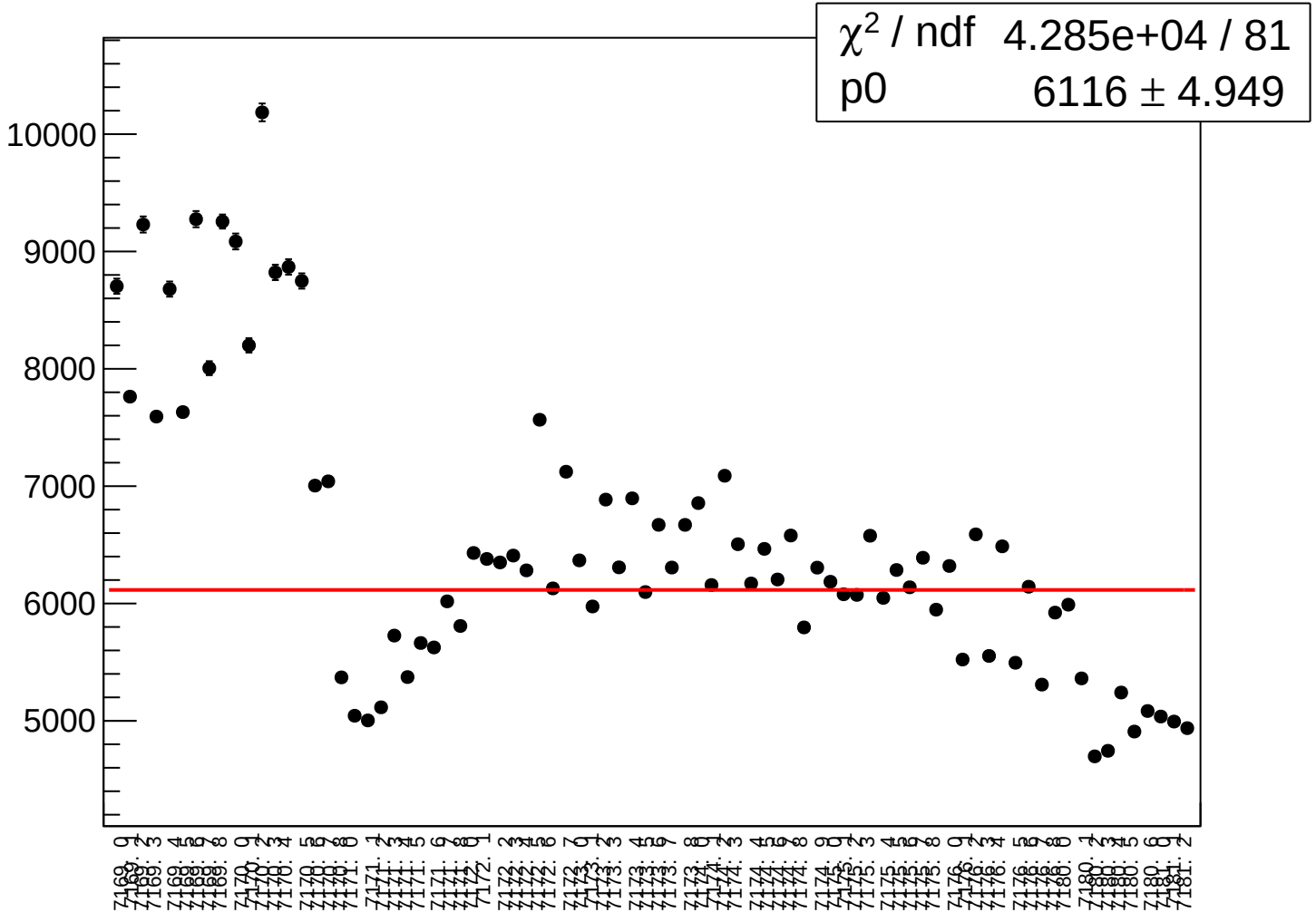

pull1D
Entries 82
Mean 0.01763
Std Dev 0.8209

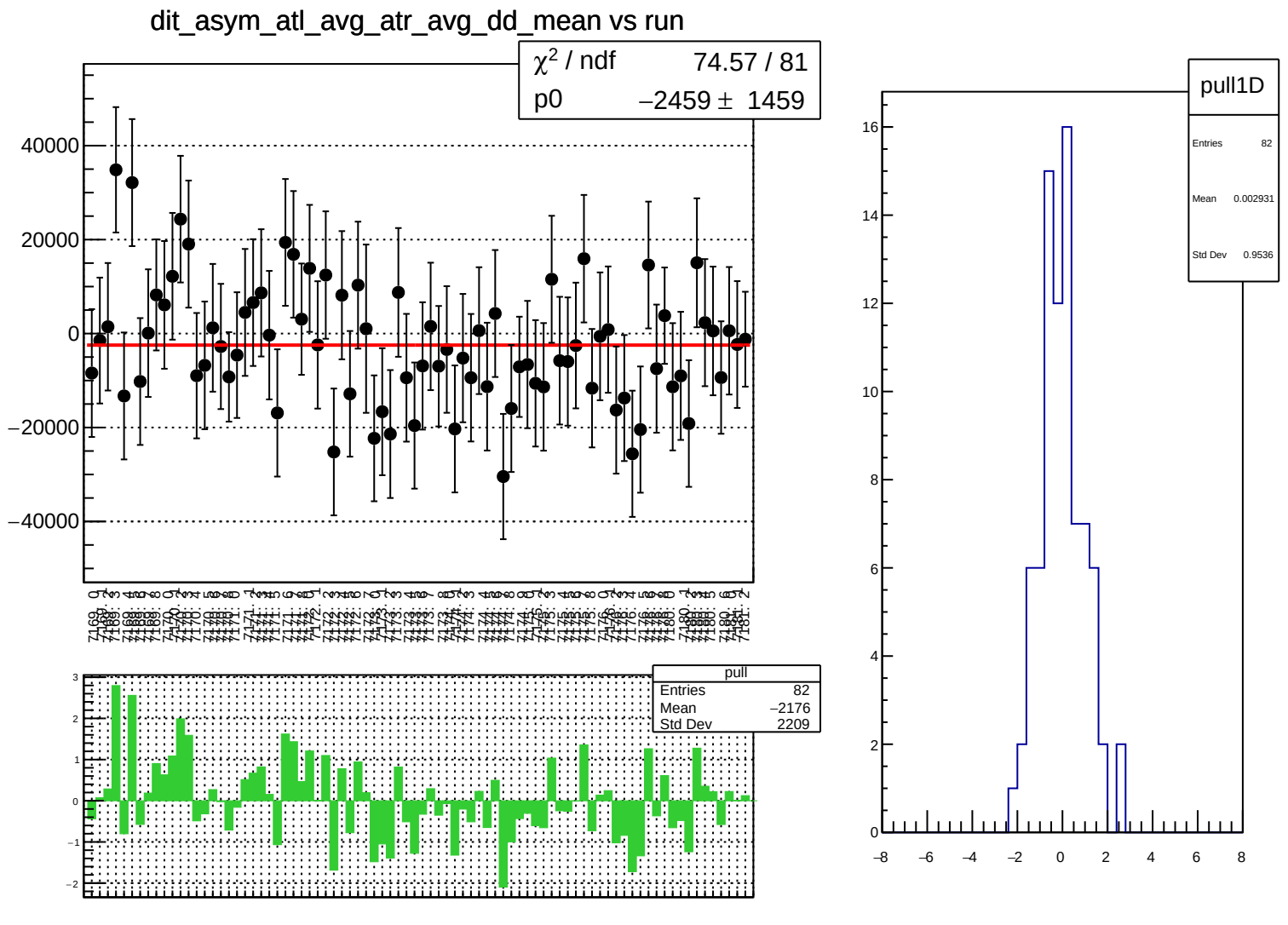

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 4.413e+04 / 81
p0 6031 ± 4.883
10000
9000
8000
7000
6000
5000

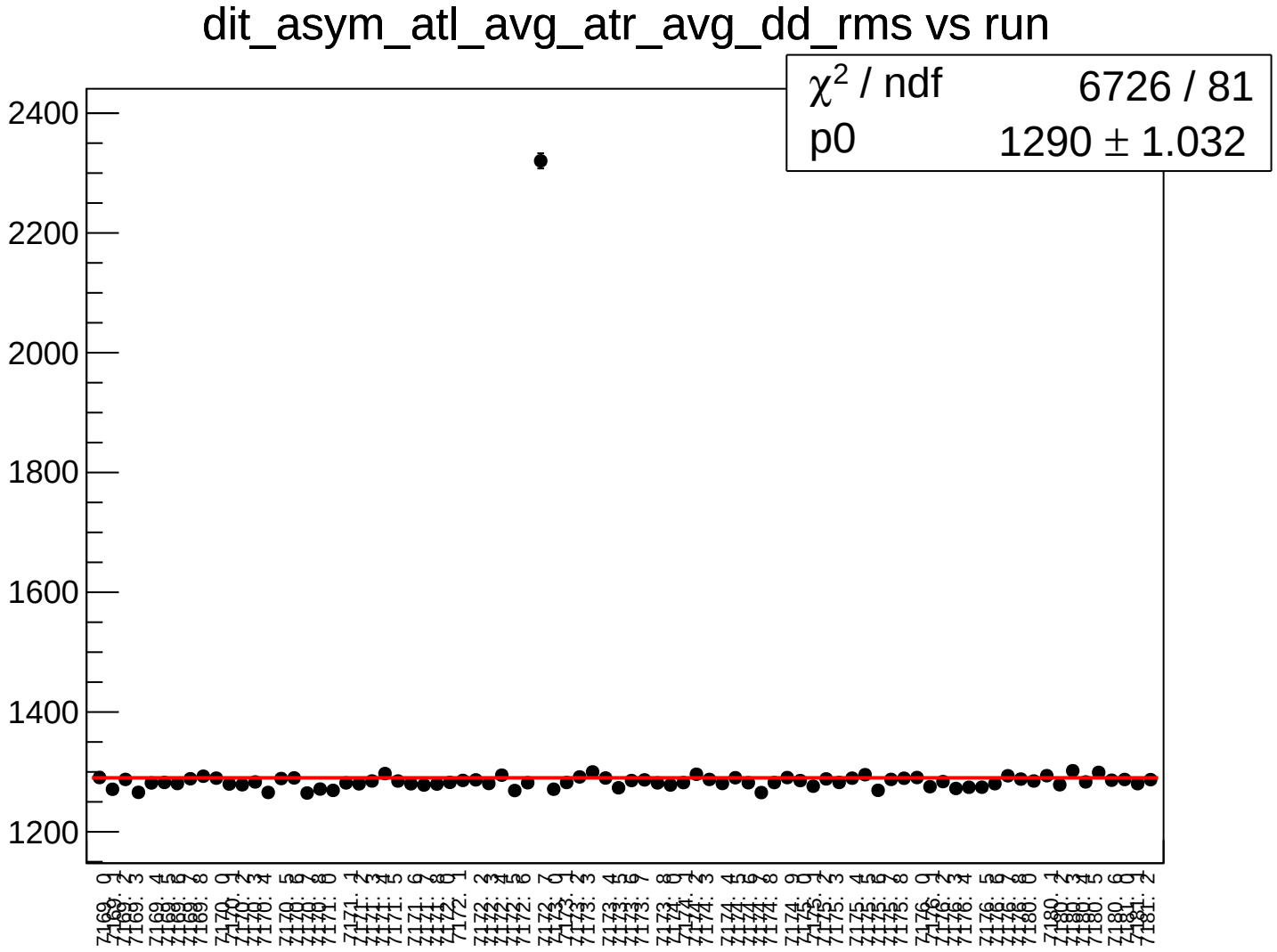

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 53.4 / 81
p0 −7468 ± 6999
200
100
0
−100
−200
pull
Entries 82
Mean −155.7
Std Dev 197.9
2
1
0
−1
−2
−3

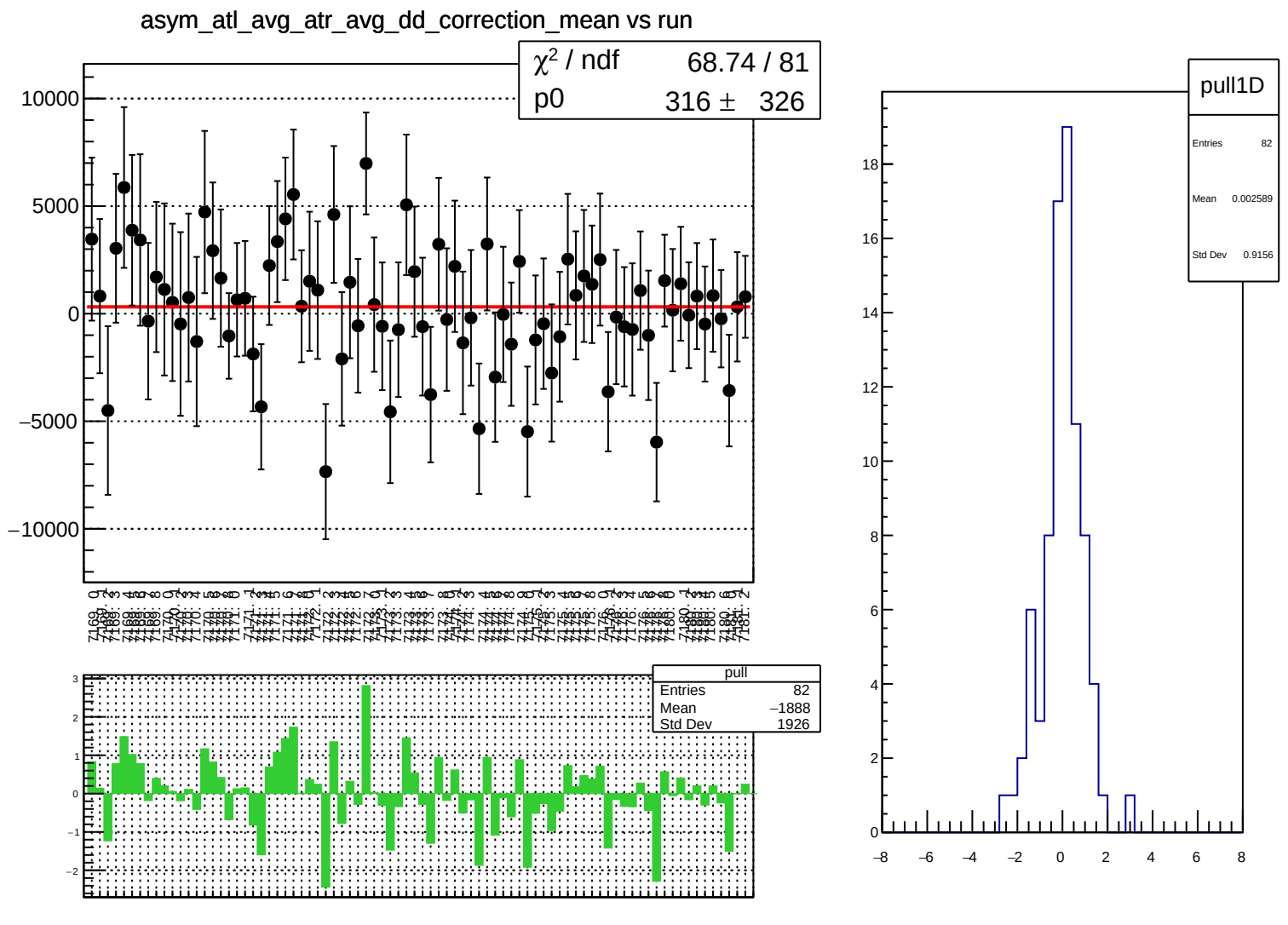

pull1D
Entries 82
Mean −0.02244
Std Dev 0.8067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

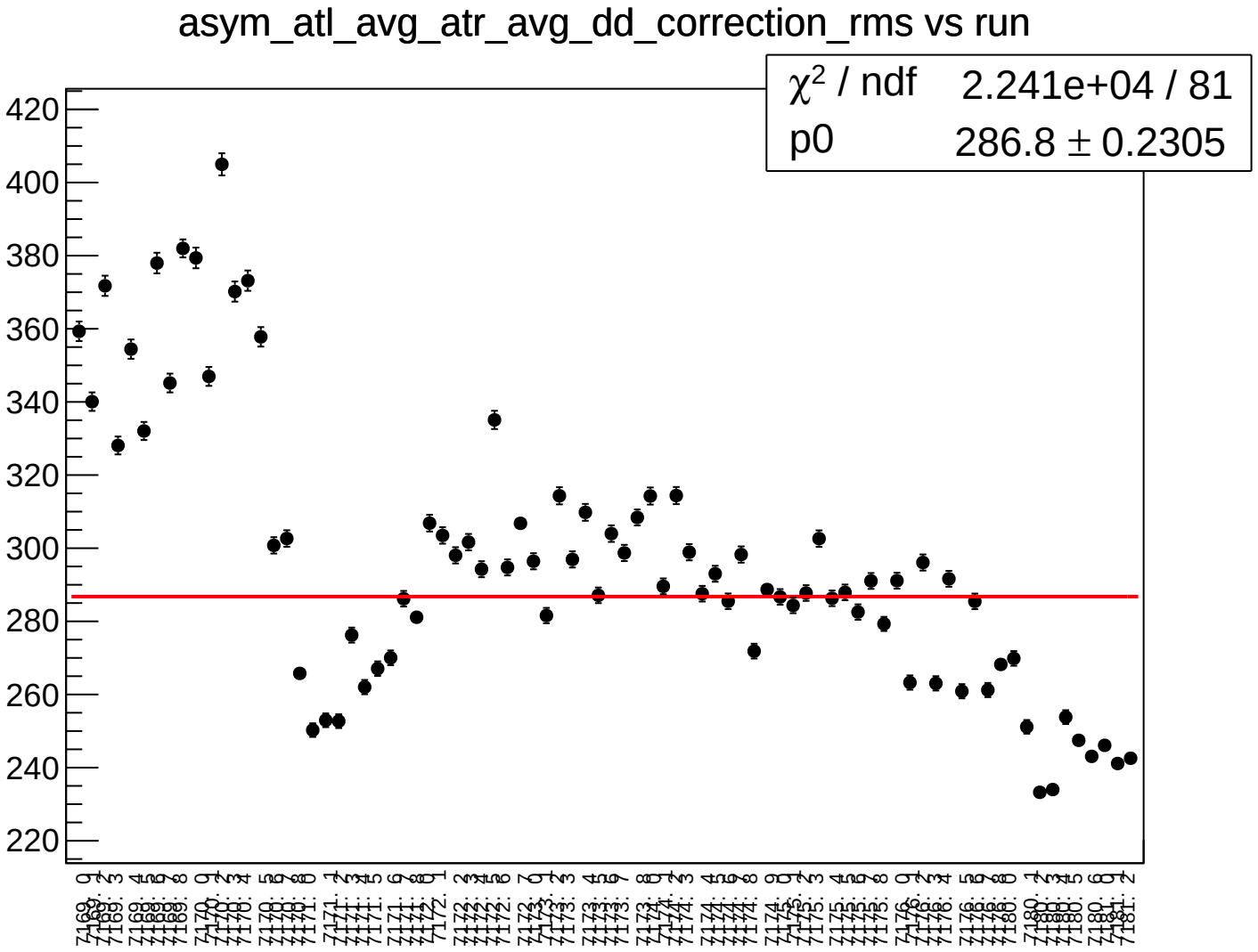
asym_atl_avg_atr_avg_avg_rms vs run

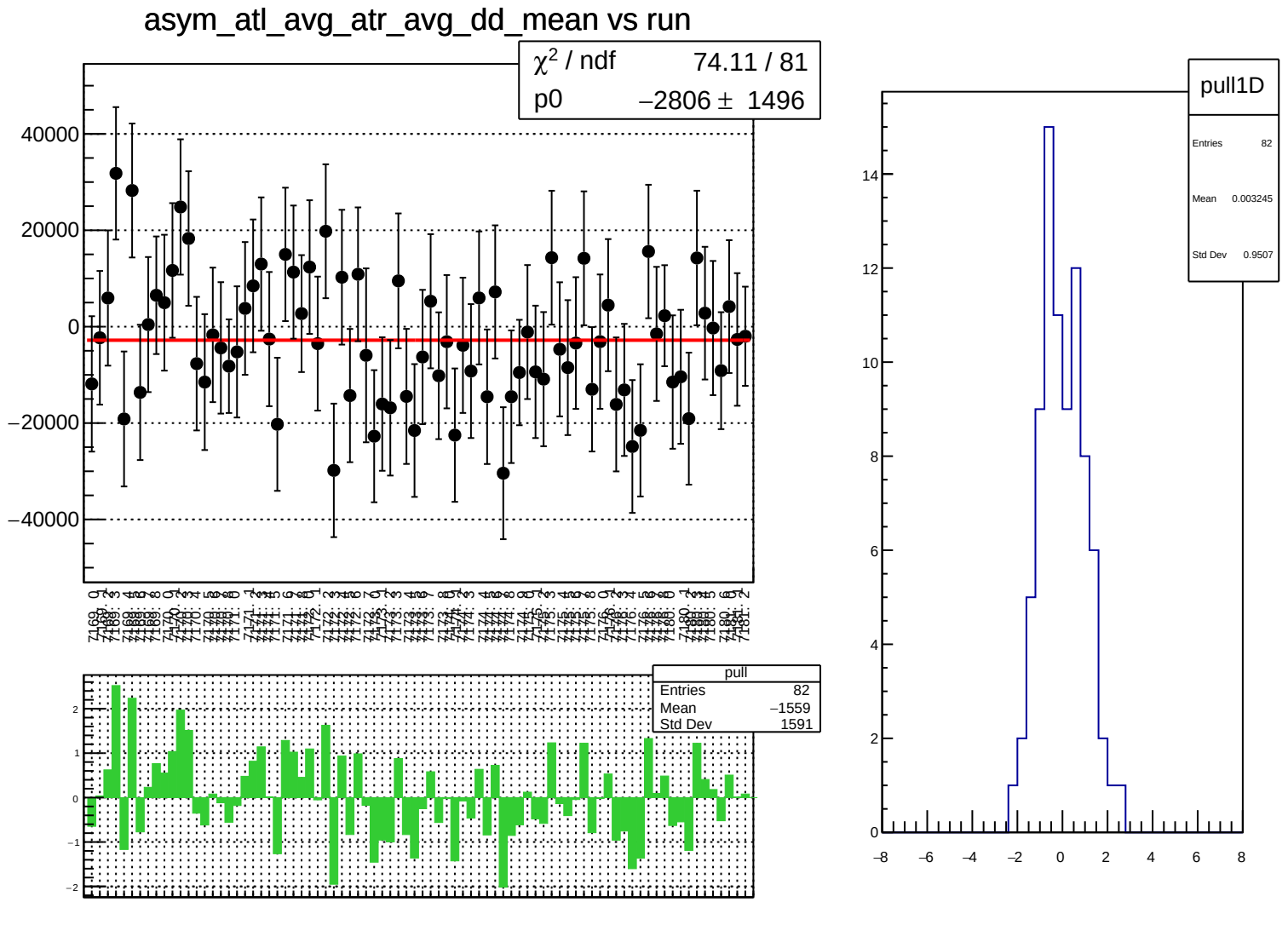


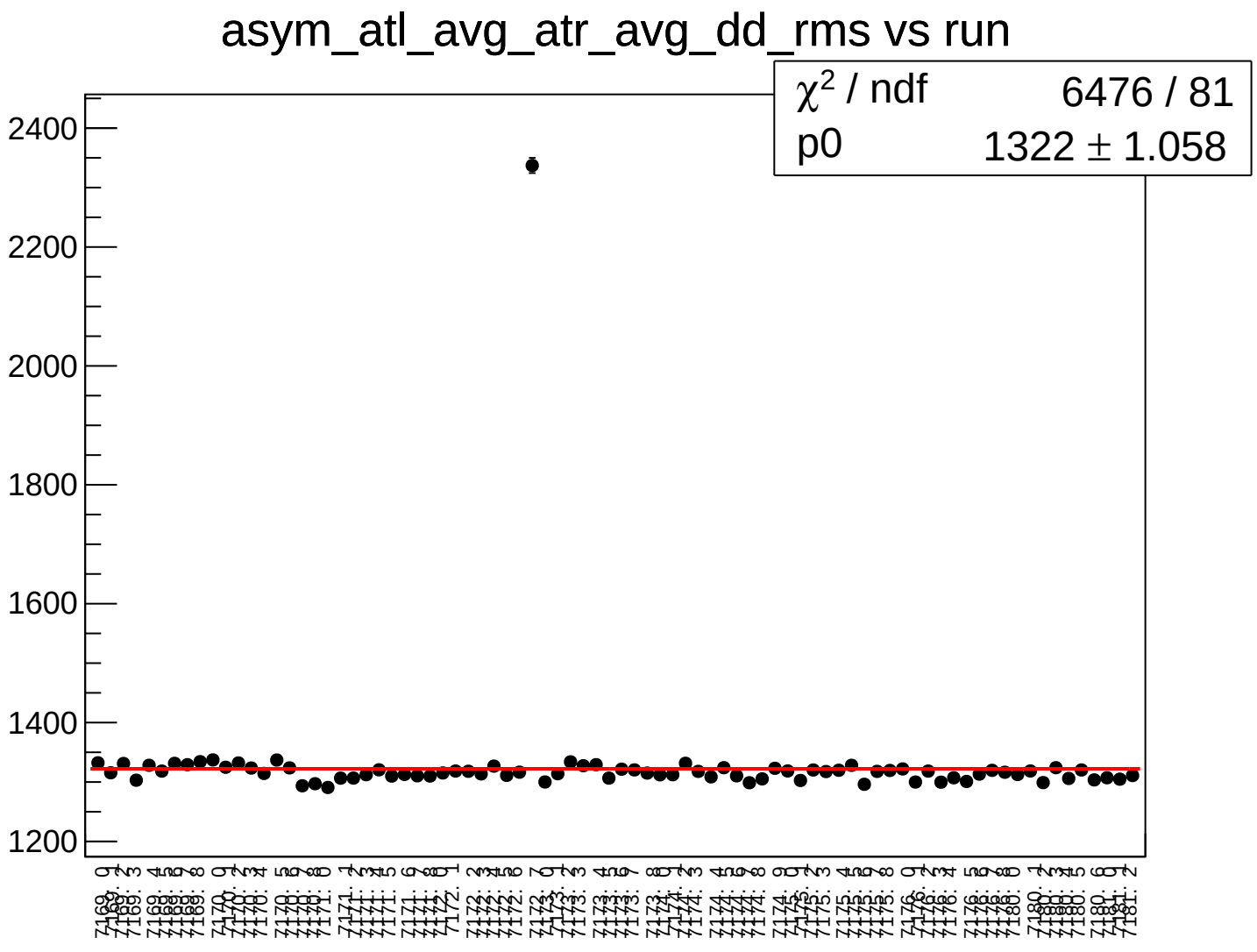

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.57 / 81
p0 −2459 ± 1459
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −2176
Std Dev 2209
pull1D
Entries 82
Mean 0.002931
Std Dev 0.9536

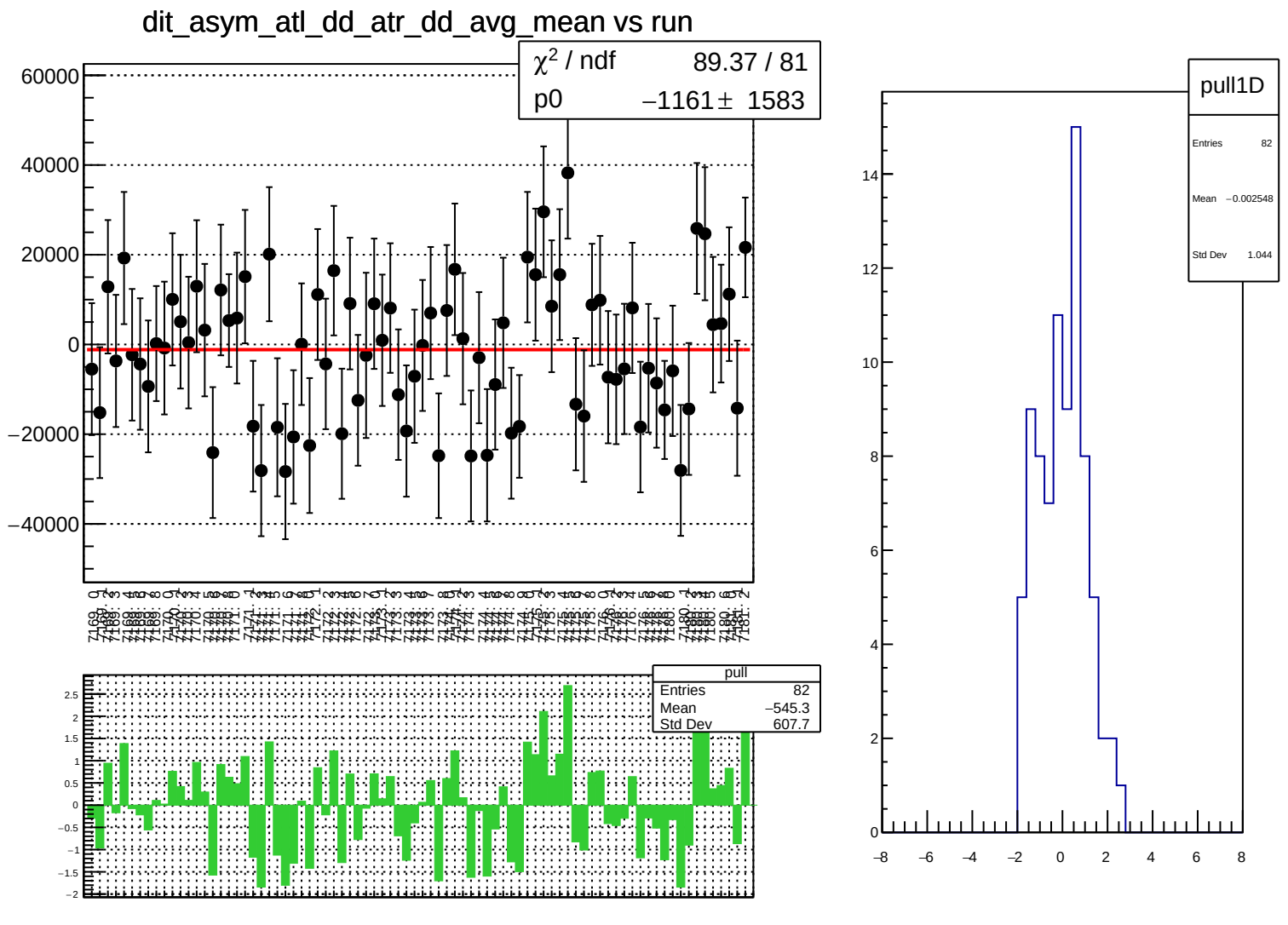

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 6726 / 81
p0 1290 ± 1.032
2400
2200
2000
1800
1600
1400
1200

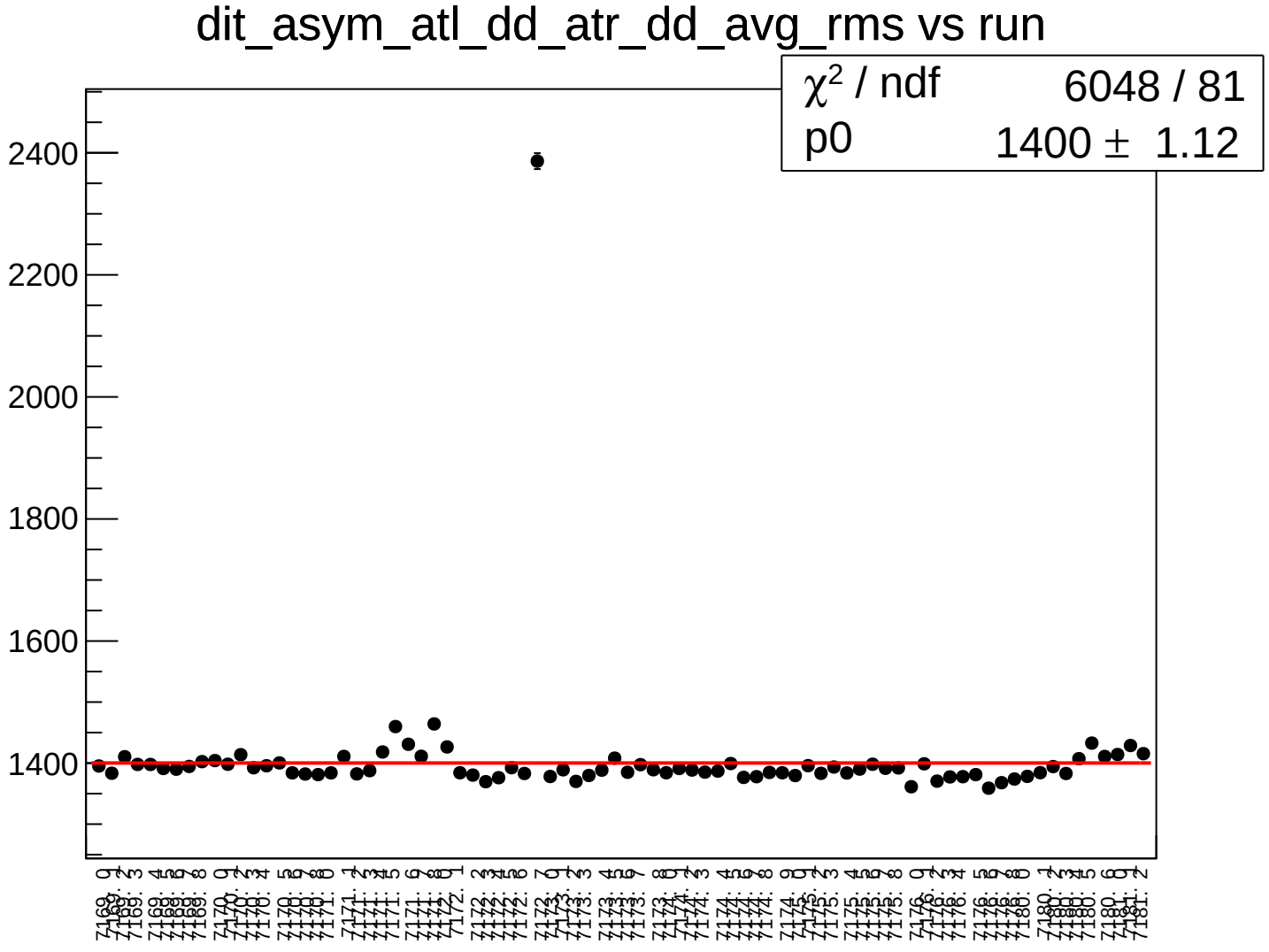

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 68.74 / 81
p0 316 ± 326
pull
Entries 82
Mean −1888
Std Dev 1926
pull1D
Entries 82
Mean 0.002589
Std Dev 0.9156

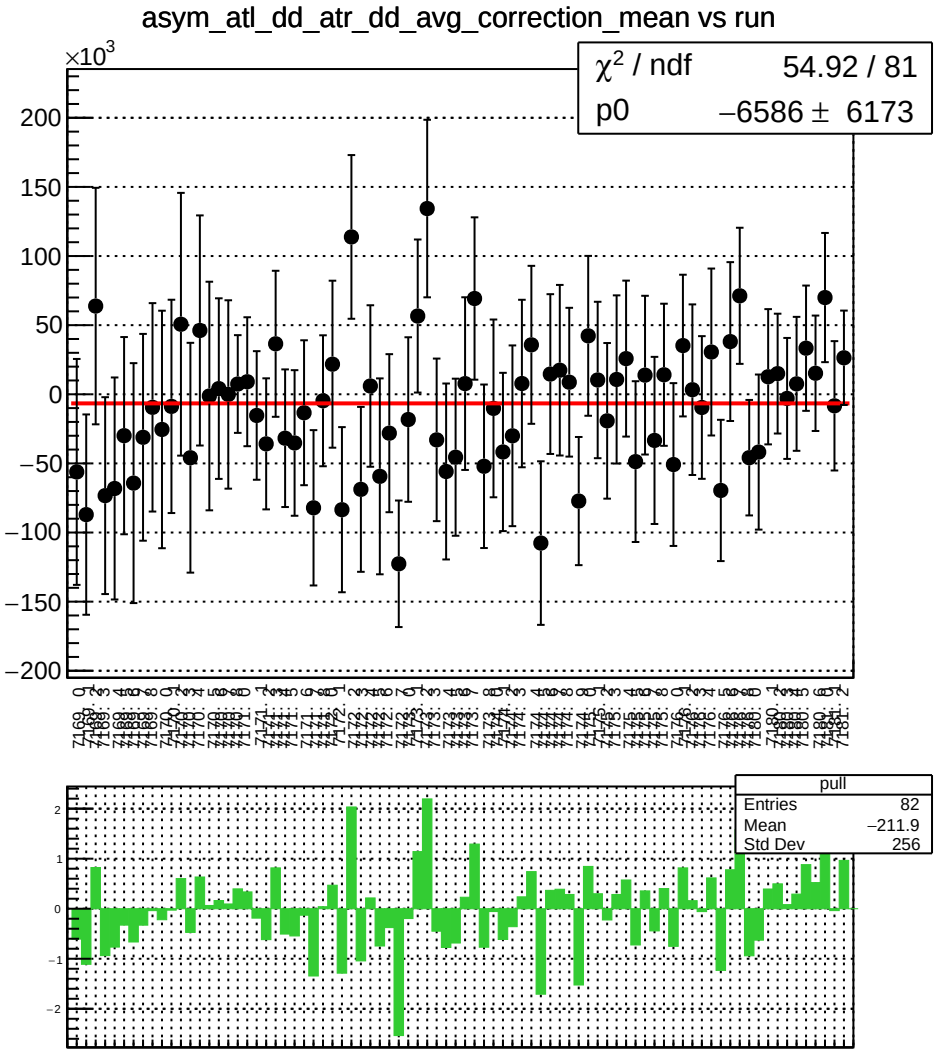

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 2.241e+04 / 81
p0 286.8 ± 0.2305
420
400
380
360
340
320
300
280
260
240
220

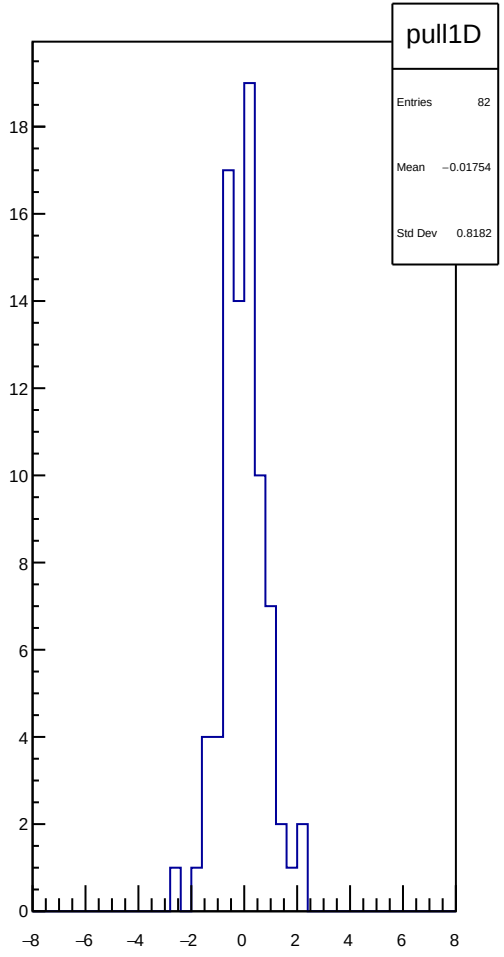

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.11 / 81
p0 −2806 ± 1496
40000
20000
0
−20000
−40000
pull
Entries 82
Mean −1559
Std Dev 1591
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003245
Std Dev 0.9507
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

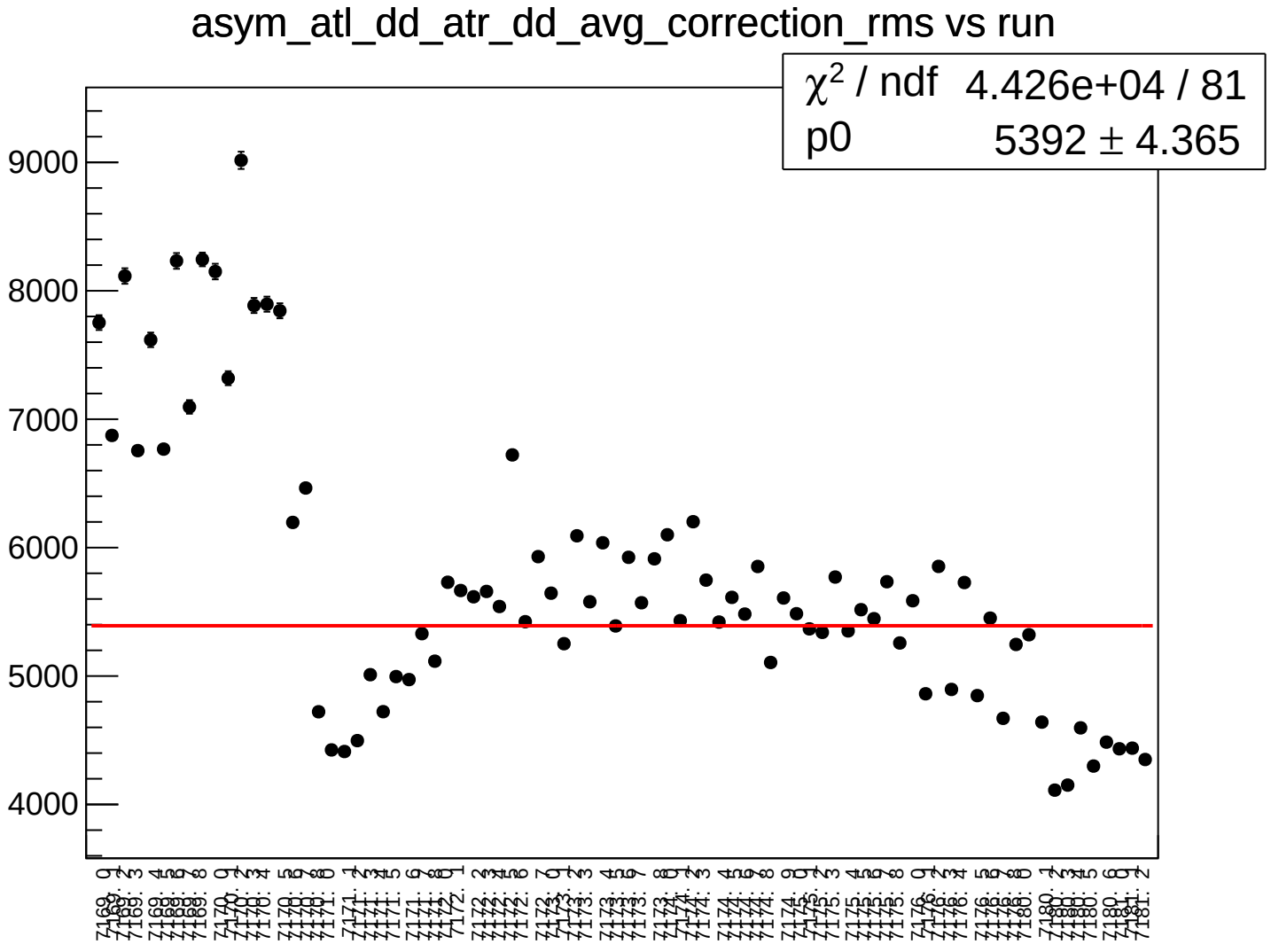

asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 6476 / 81
p0 1322 ± 1.058
2400
2200
2000
1800
1600
1400
1200

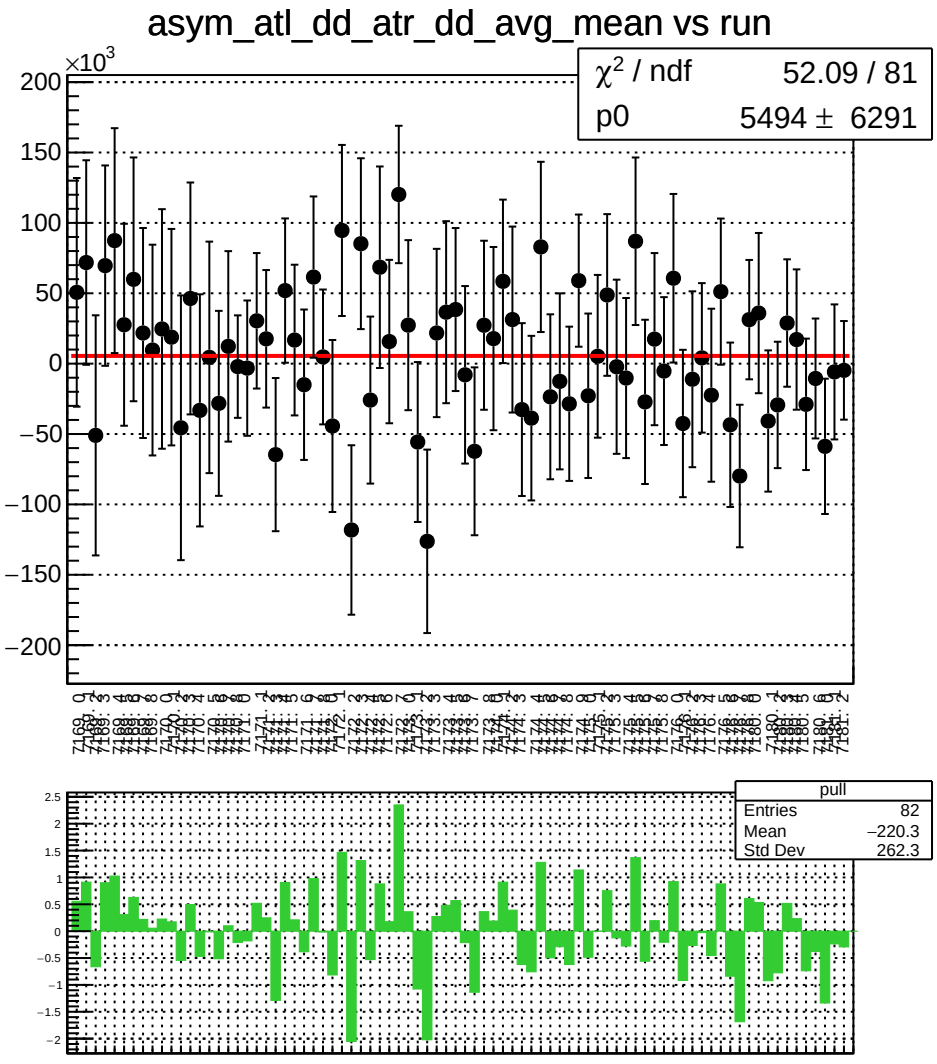

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 89.37 / 81
p0 −1161 ± 1583
pull
Entries 82
Mean −545.3
Std Dev 607.7
pull1D
Entries 82
Mean −0.002548
Std Dev 1.044

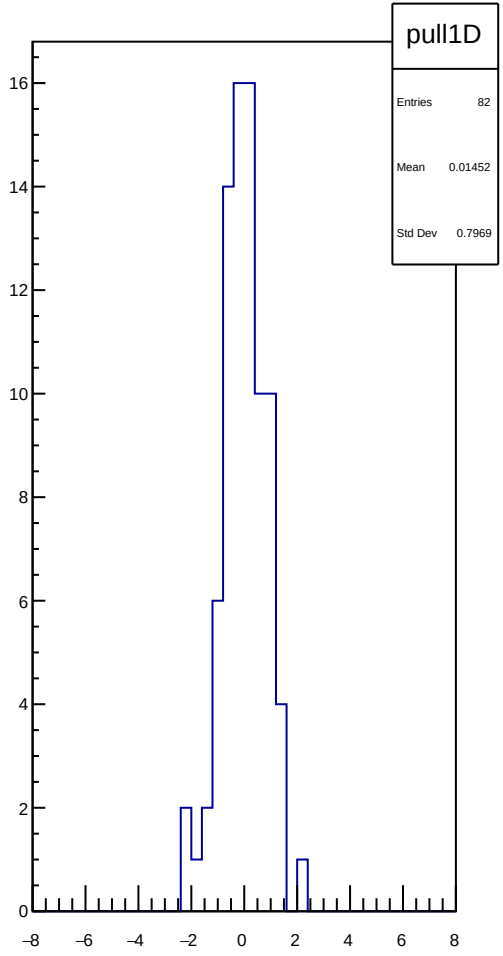

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 6048 / 81
p0 1400 ± 1.12
2400
2200
2000
1800
1600
1400

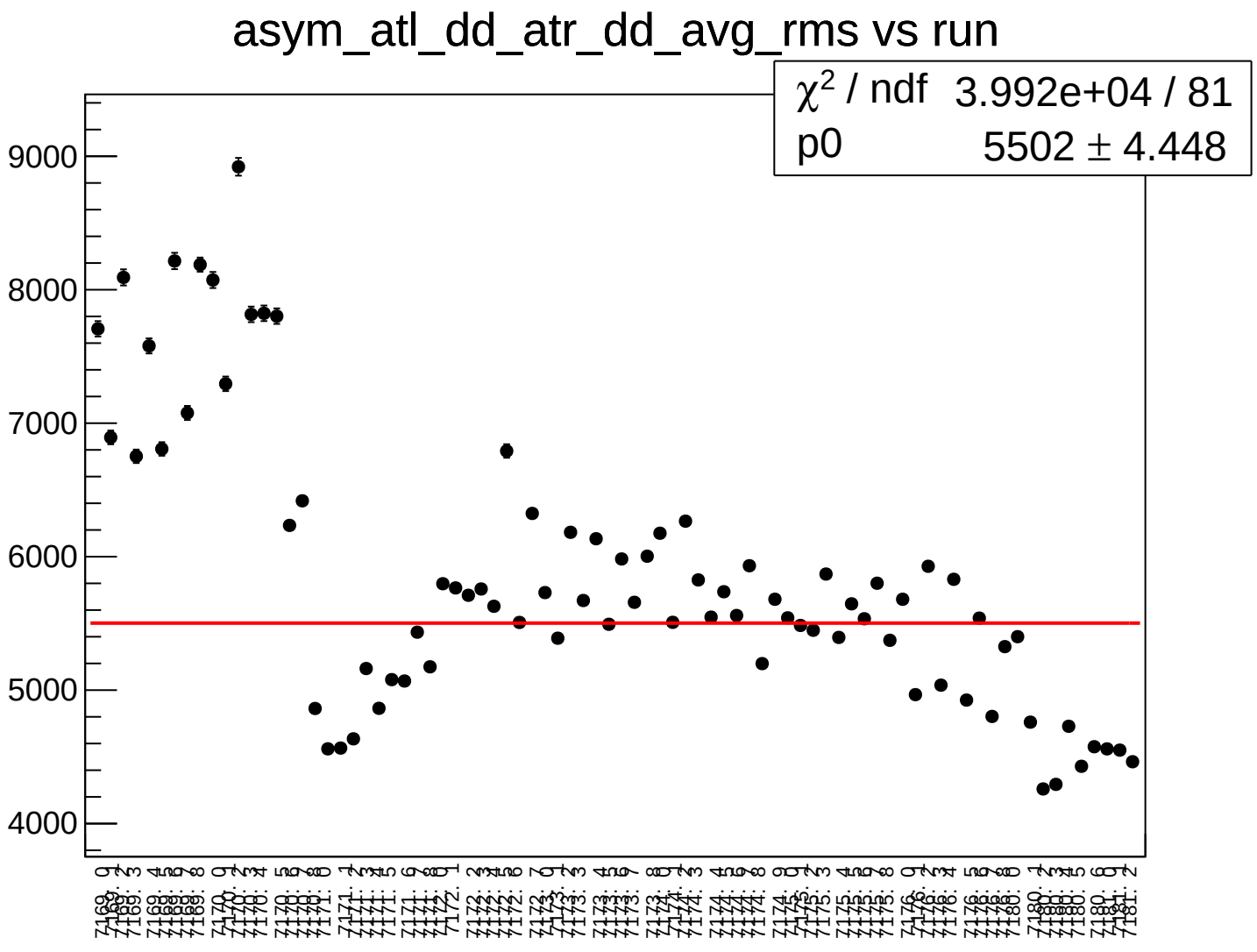

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 54.92 / 81
p0 −6586 ± 6173
pull
Entries 82
Mean −211.9
Std Dev 256

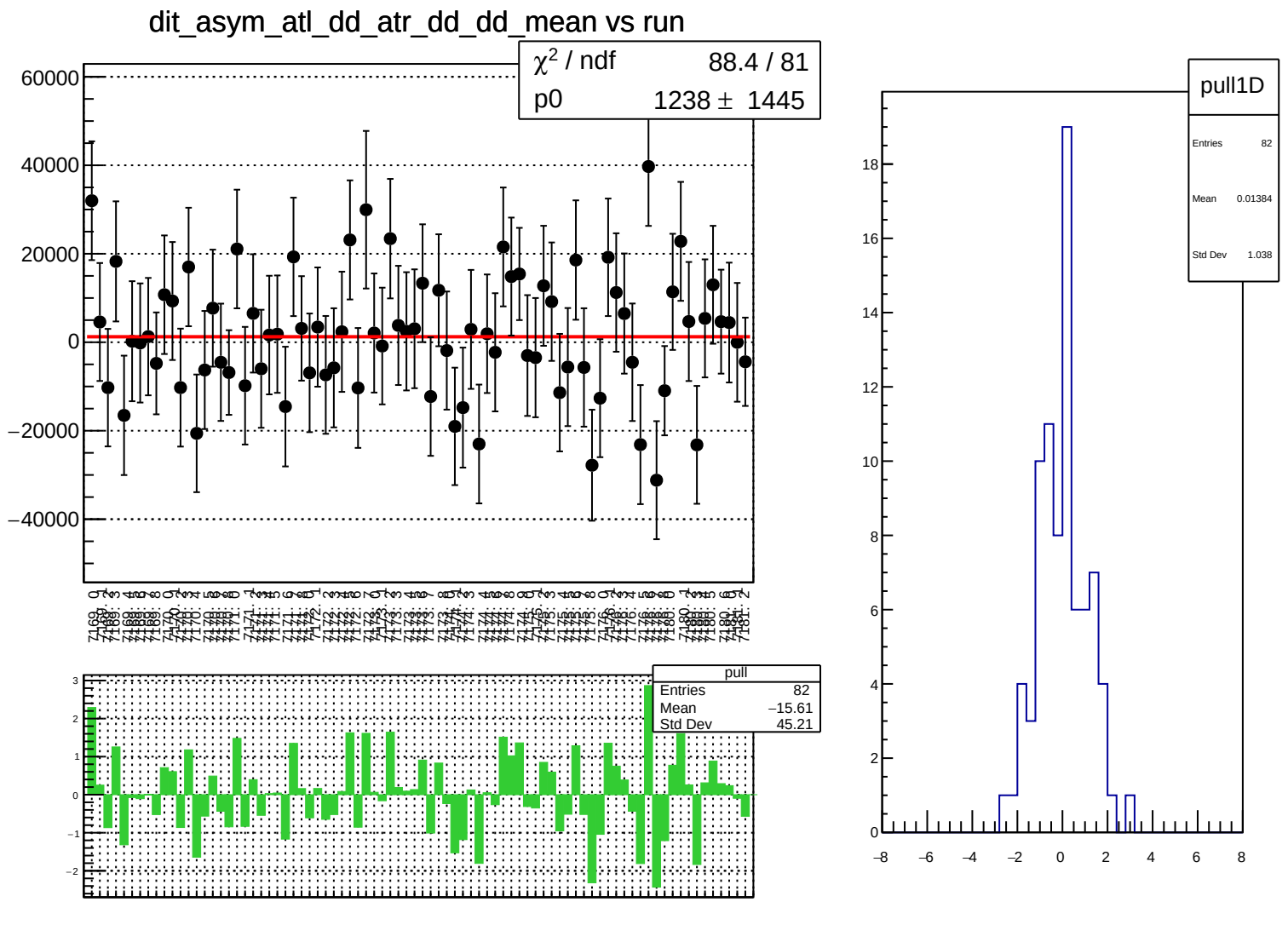

pull1D
Entries 82
Mean −0.01754
Std Dev 0.8182

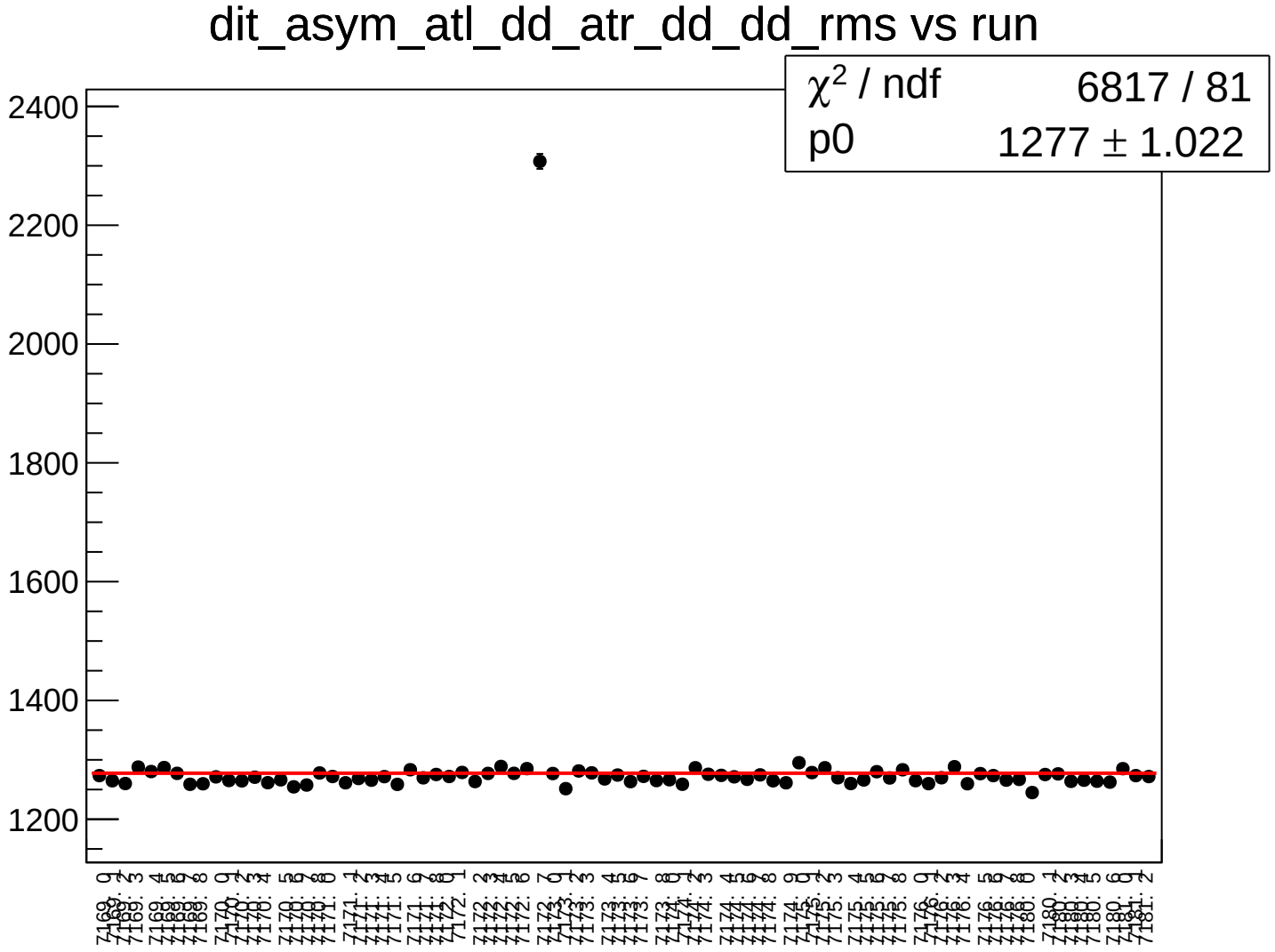

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 4.426e+04 / 81
p0 5392 ± 4.365
9000
8000
7000
6000
5000
4000

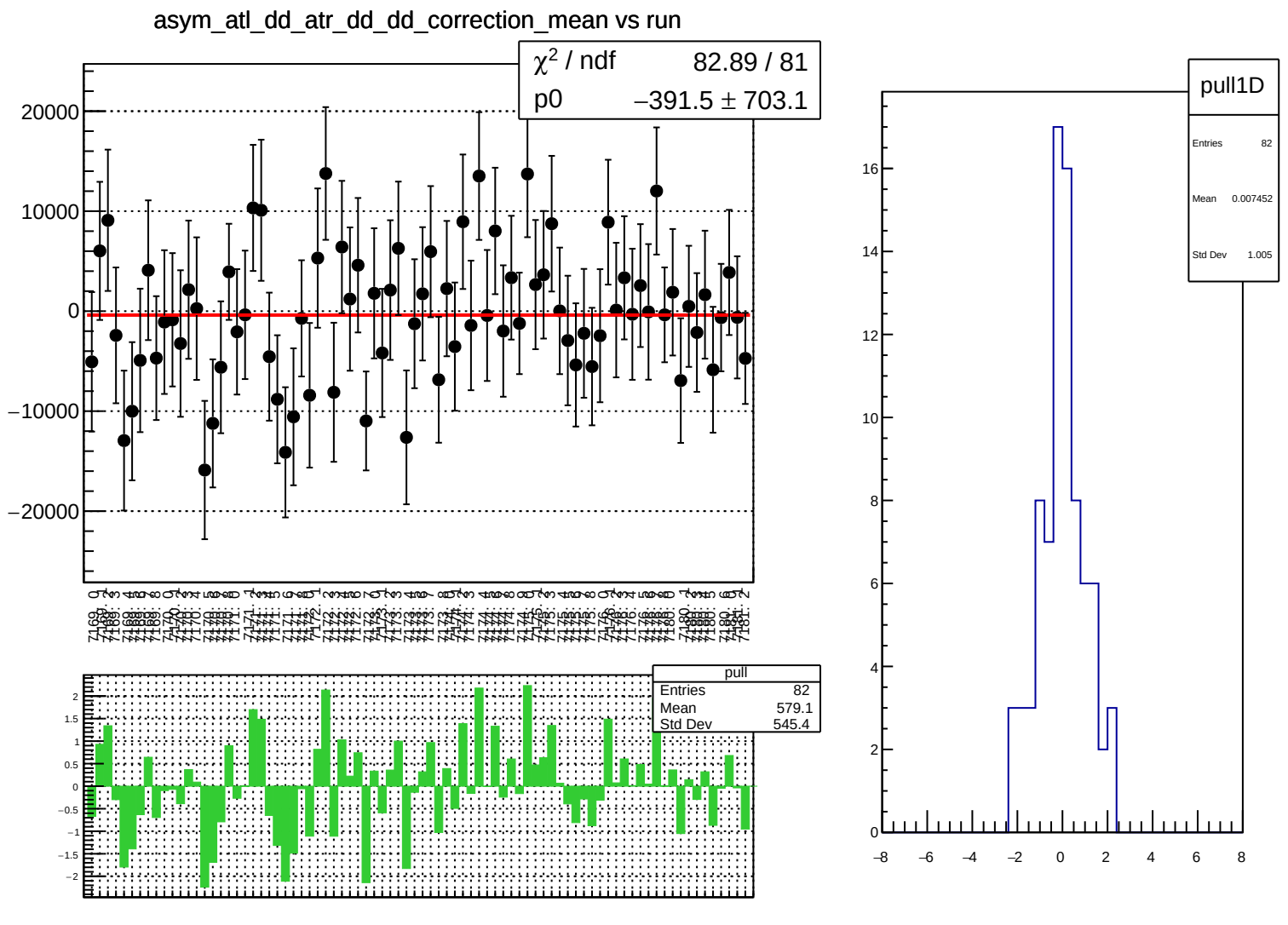

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 52.09 / 81
p0 5494 ± 6291
pull
Entries 82
Mean −220.3
Std Dev 262.3

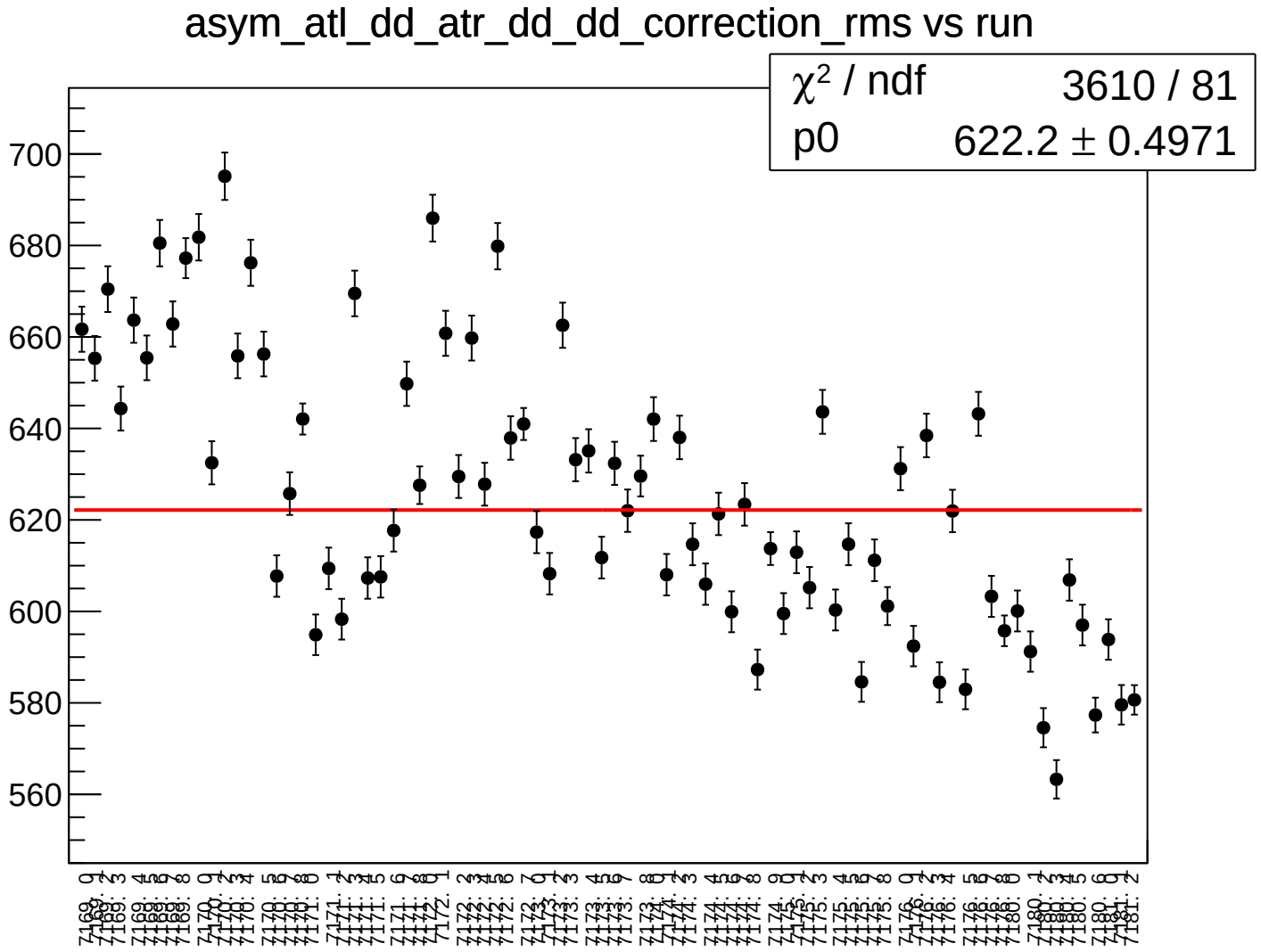

pull1D
Entries 82
Mean 0.01452
Std Dev 0.7969

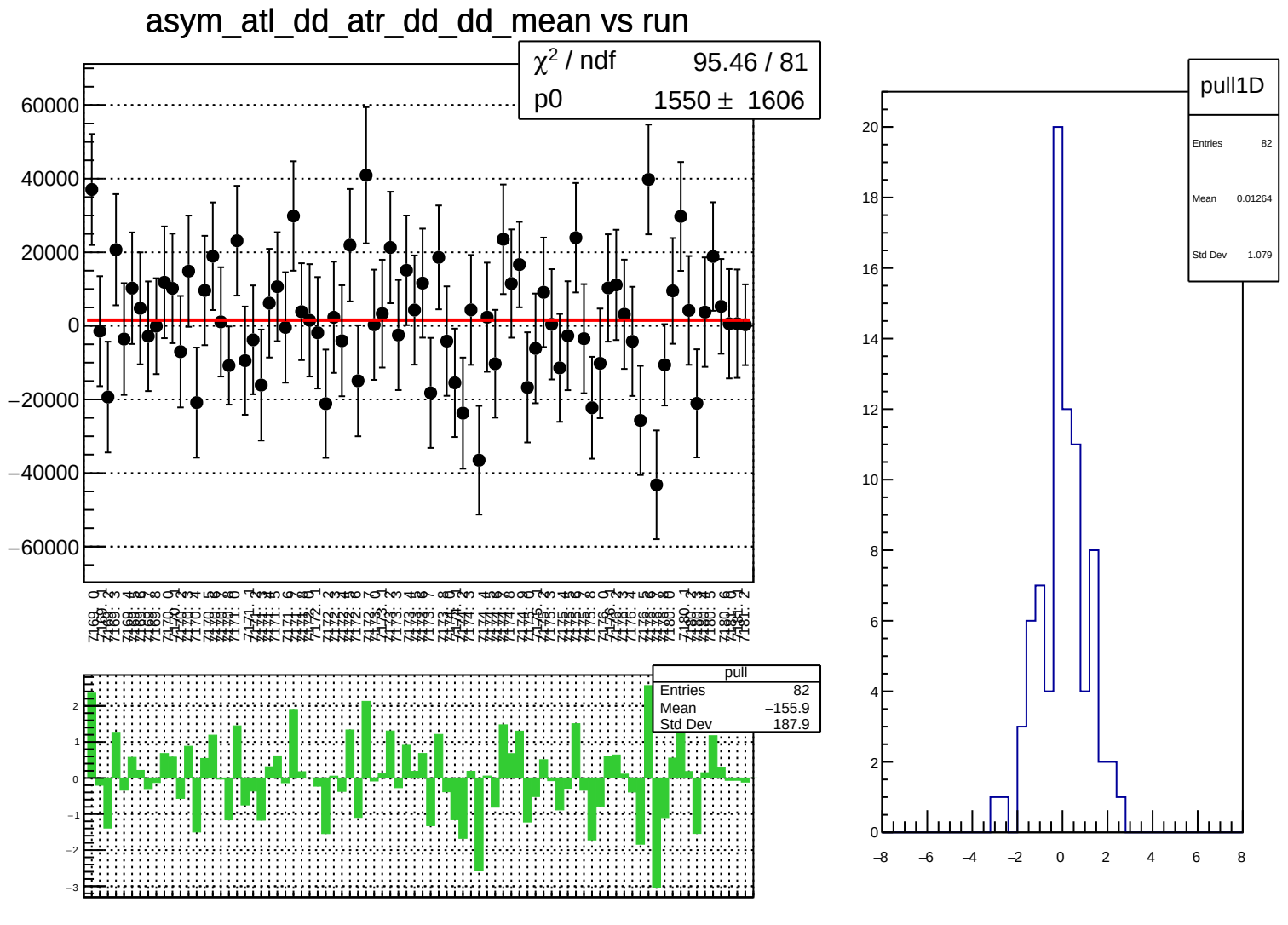

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3.992e+04 / 81
p0 5502 ± 4.448
9000
8000
7000
6000
5000
4000

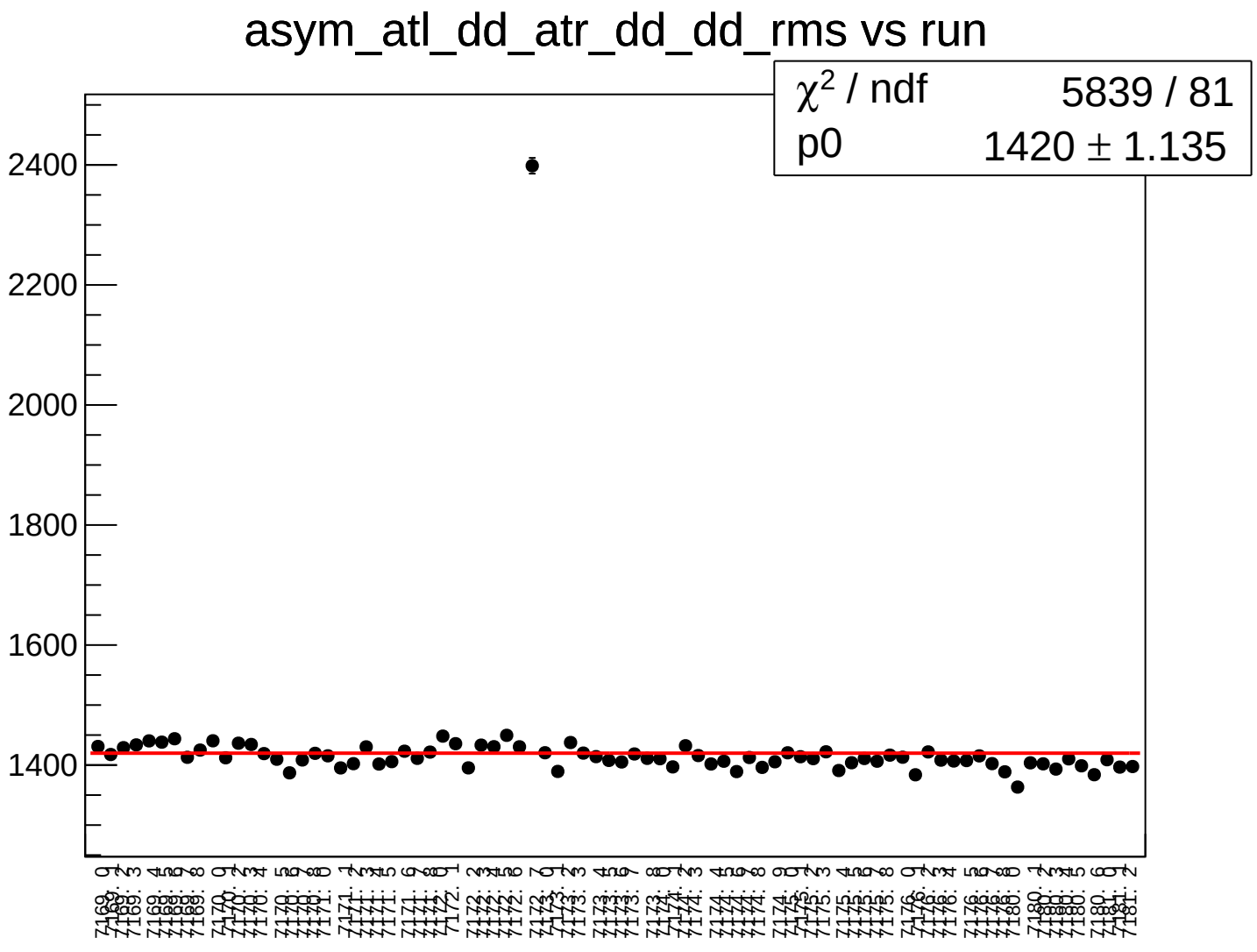

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 88.4 / 81
p0 1238 ± 1445
pull
Entries 82
Mean −15.61
Std Dev 45.21
pull1D
Entries 82
Mean 0.01384
Std Dev 1.038

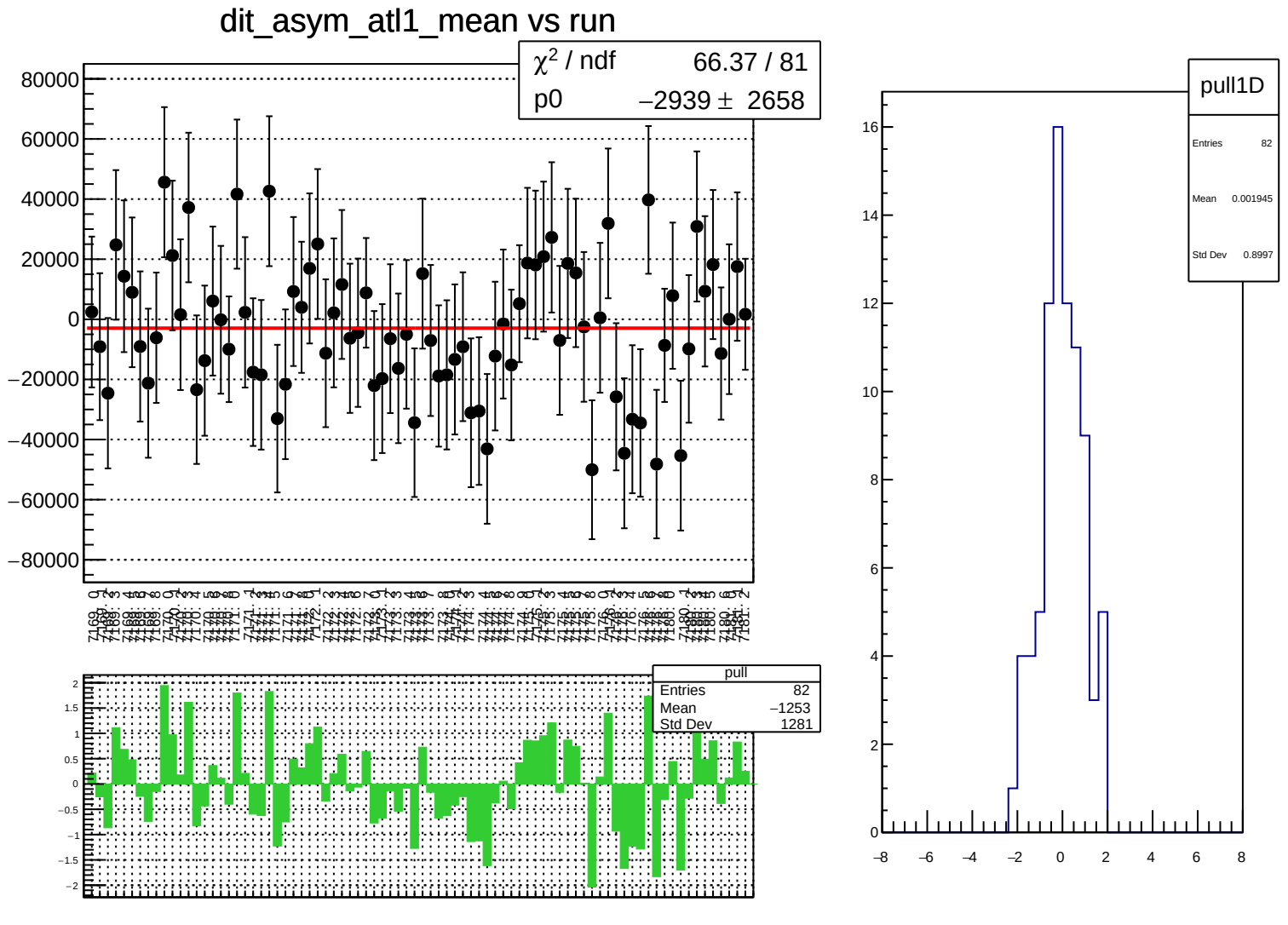

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6817 / 81
p0 1277 ± 1.022
2400
2200
2000
1800
1600
1400
1200

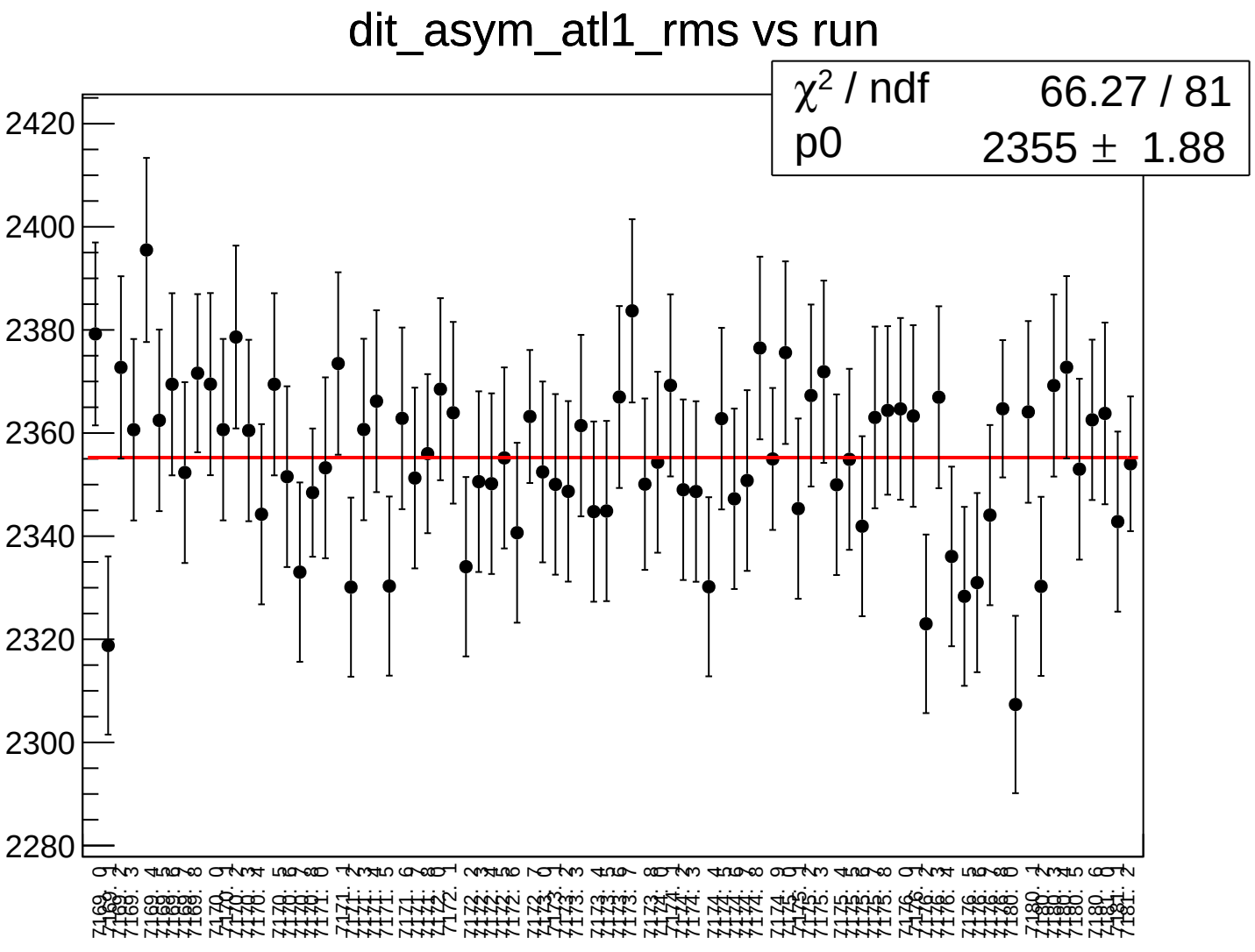

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 82.89 / 81
p0 −391.5 ± 703.1
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 579.1
Std Dev 545.4
pull1D
Entries 82
Mean 0.007452
Std Dev 1.005

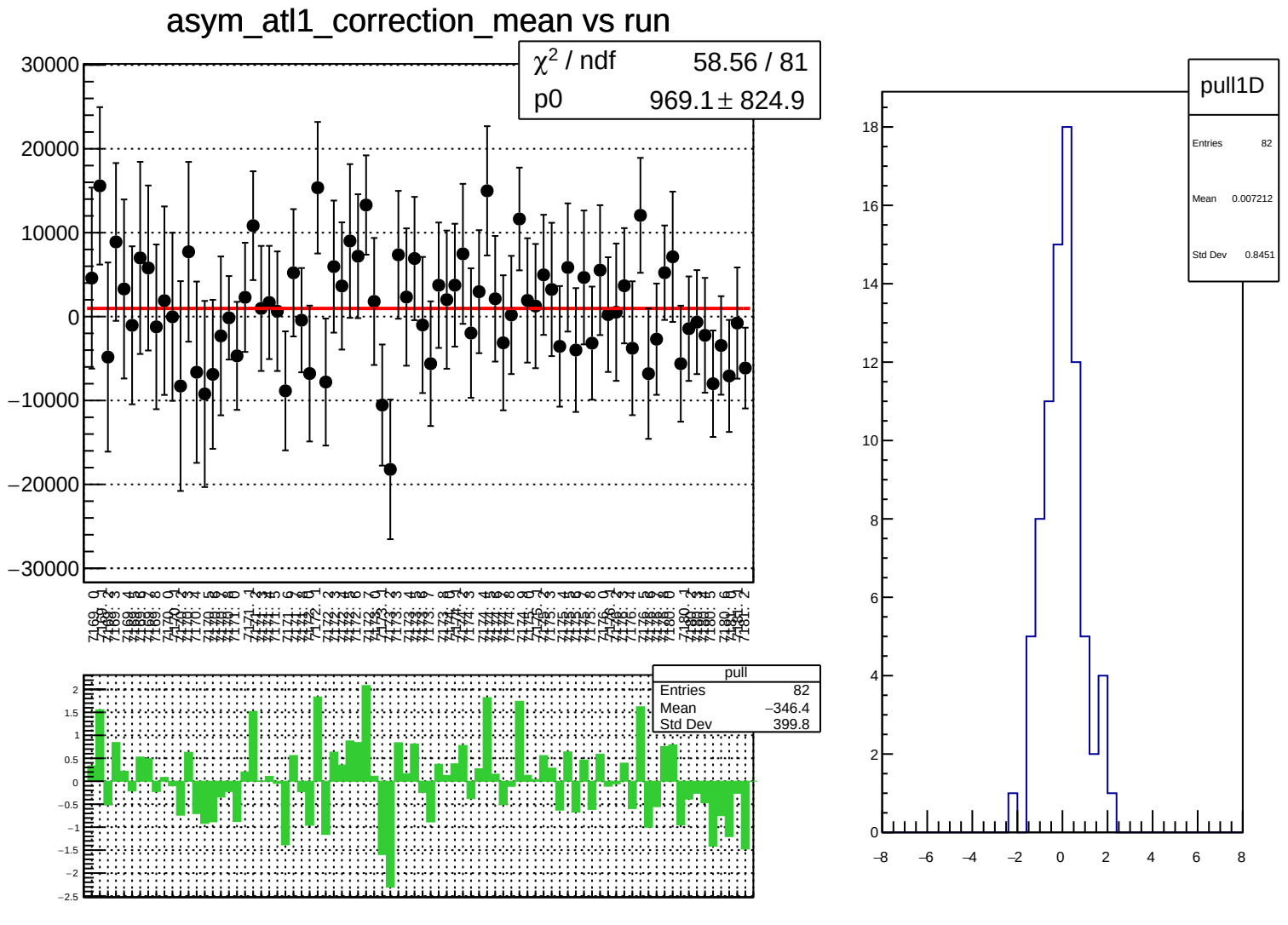

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3610 / 81
p0 622.2 ± 0.4971
700
680
660
640
620
600
580
560


asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 95.46 / 81
p0 1550 ± 1606
pull
Entries 82
Mean −155.9
Std Dev 187.9
pull1D
Entries 82
Mean 0.01264
Std Dev 1.079

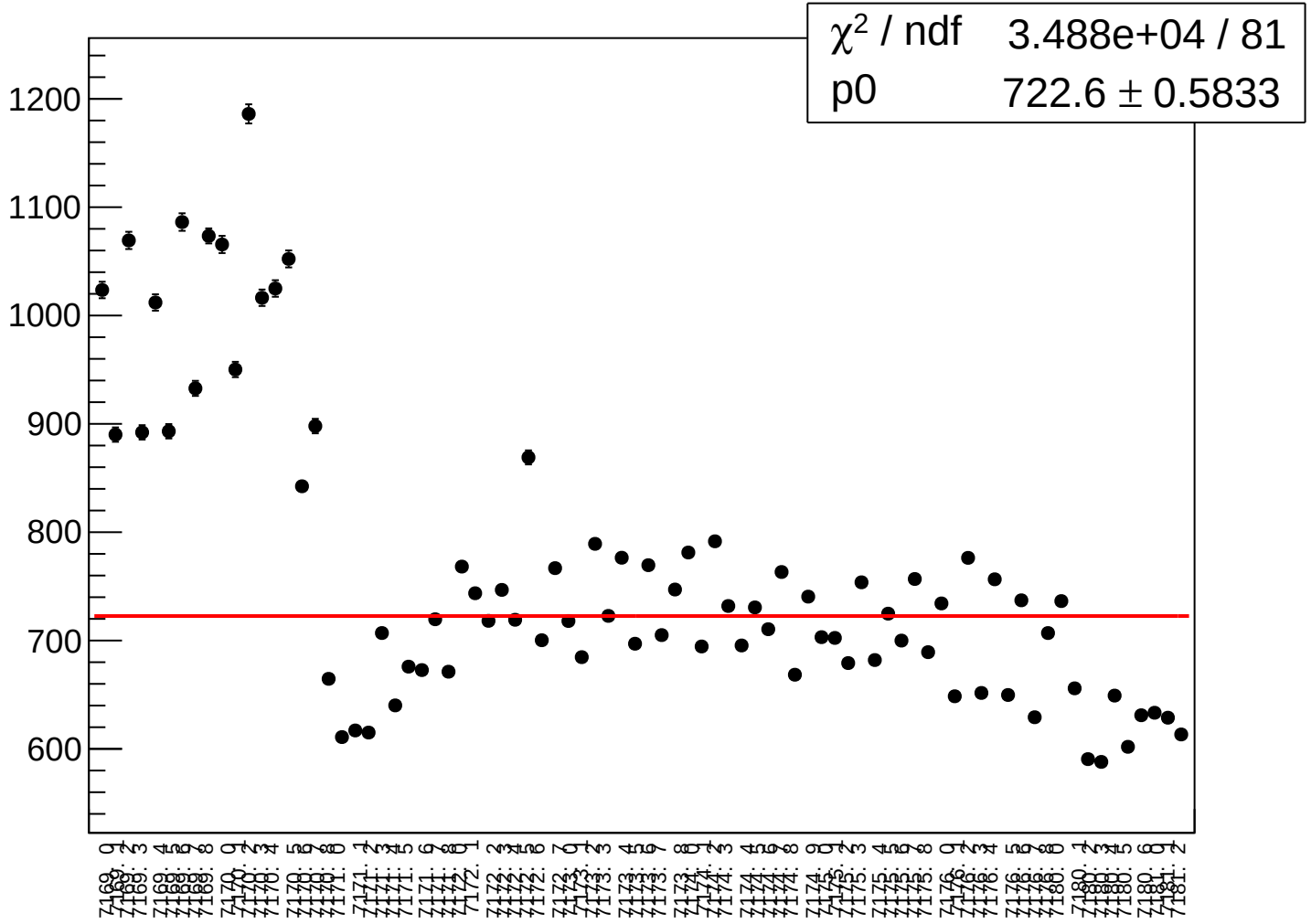

asym_atl_dd_atr_dd_dd_rms vs run
χ^2 / ndf 5839 / 81
p0 1420 ± 1.135
2400
2200
2000
1800
1600
1400

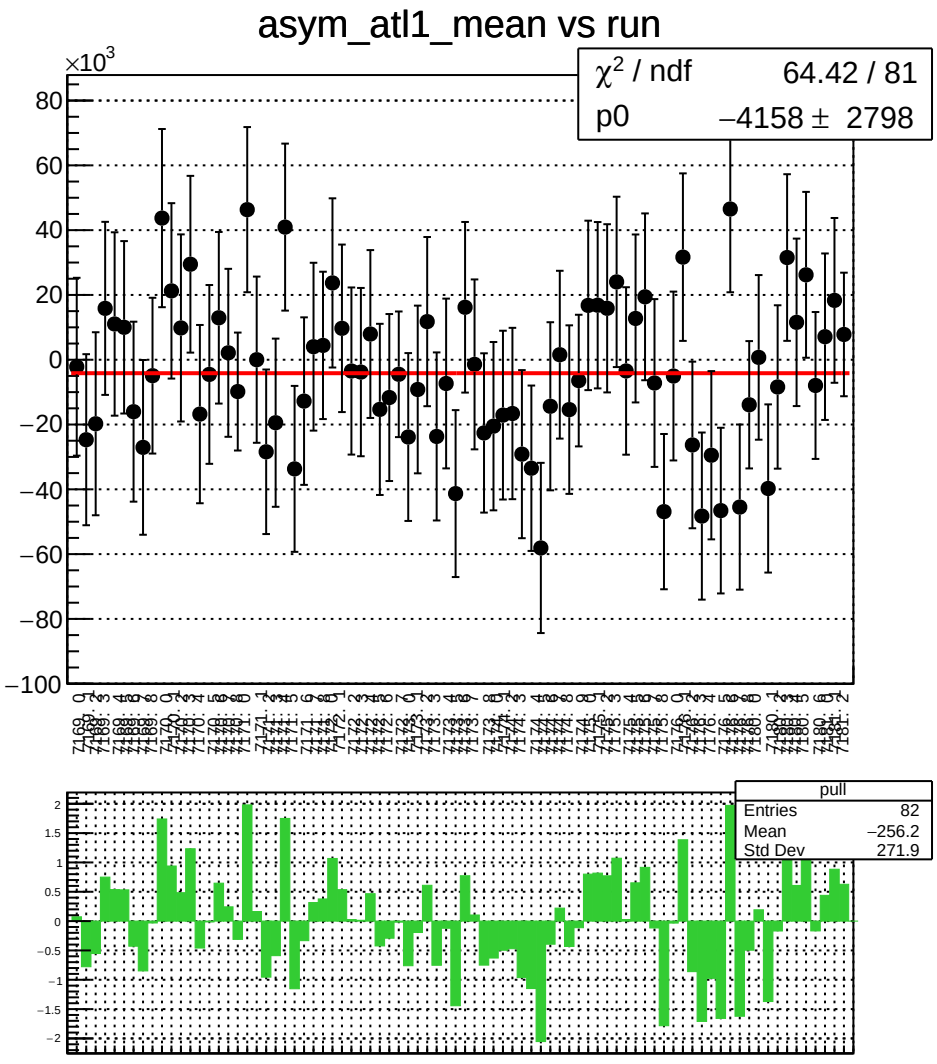

dit_asym_atl1_mean vs run
χ² / ndf 66.37 / 81
p0 −2939 ± 2658
pull
Entries 82
Mean −1253
Std Dev 1281
pull1D
Entries 82
Mean 0.001945
Std Dev 0.8997

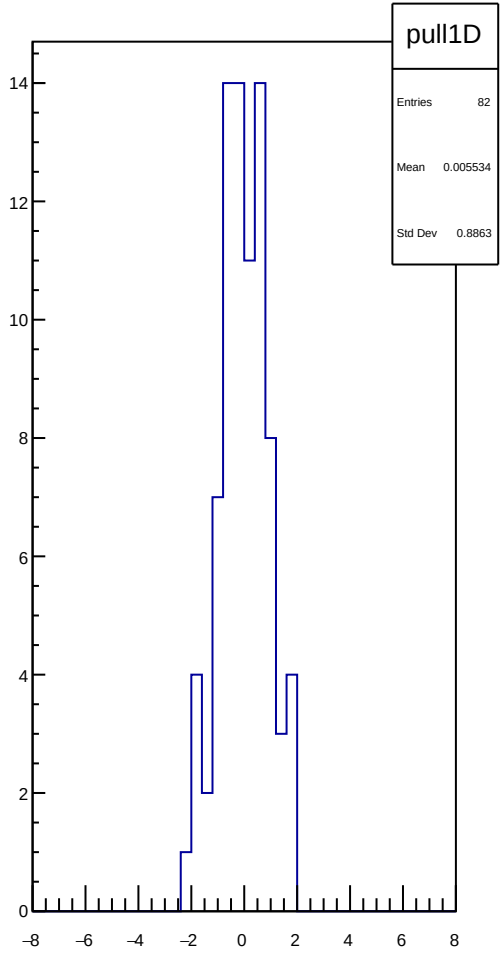

dit_asym_atl1_rms vs run
χ² / ndf 66.27 / 81
p0 2355 ± 1.88
2420
2400
2380
2360
2340
2320
2300
2280

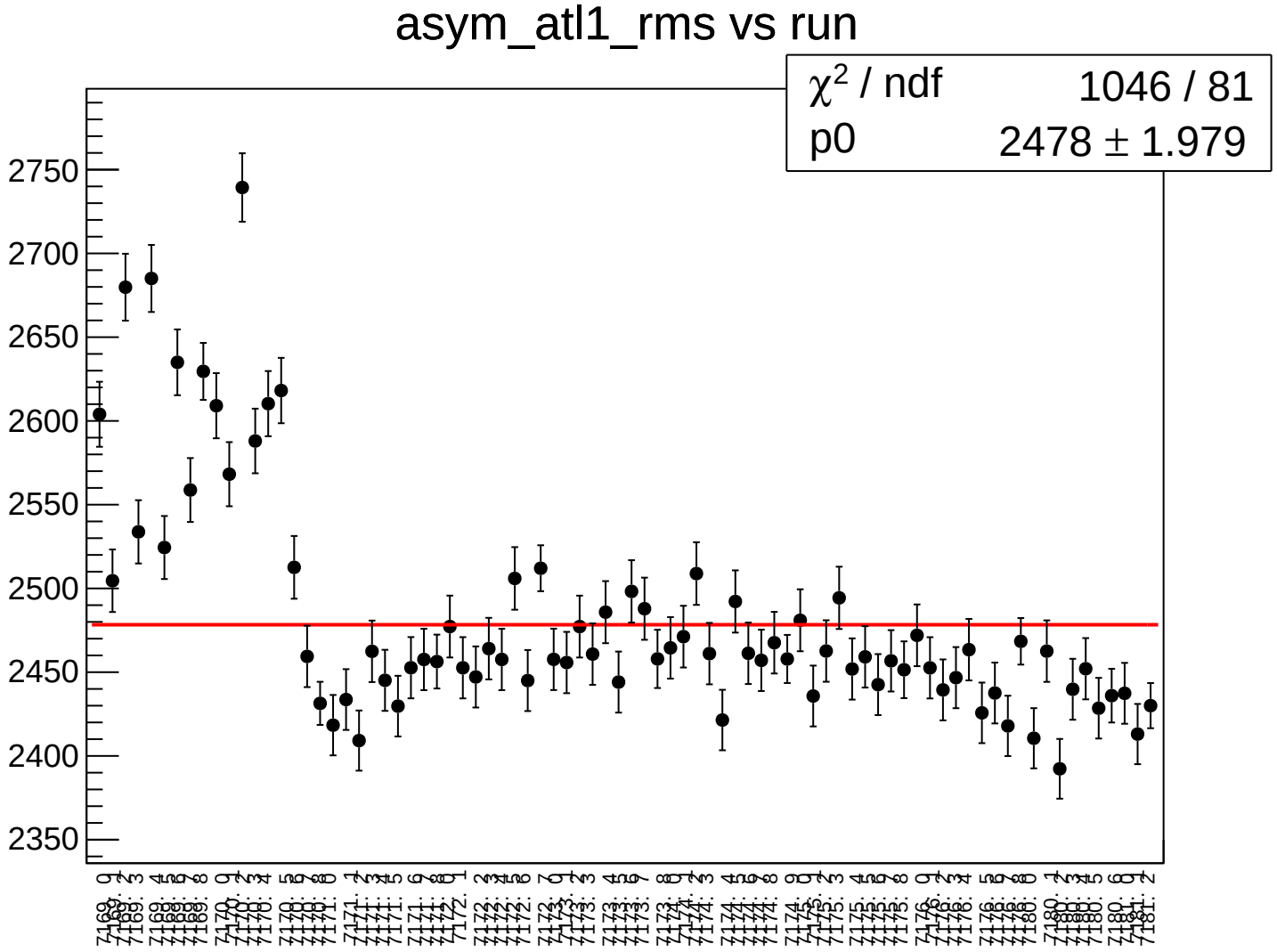

asym_atl1_correction_mean vs run
χ² / ndf 58.56 / 81
p0 969.1 ± 824.9
pull
Entries 82
Mean −346.4
Std Dev 399.8
pull1D
Entries 82
Mean 0.007212
Std Dev 0.8451

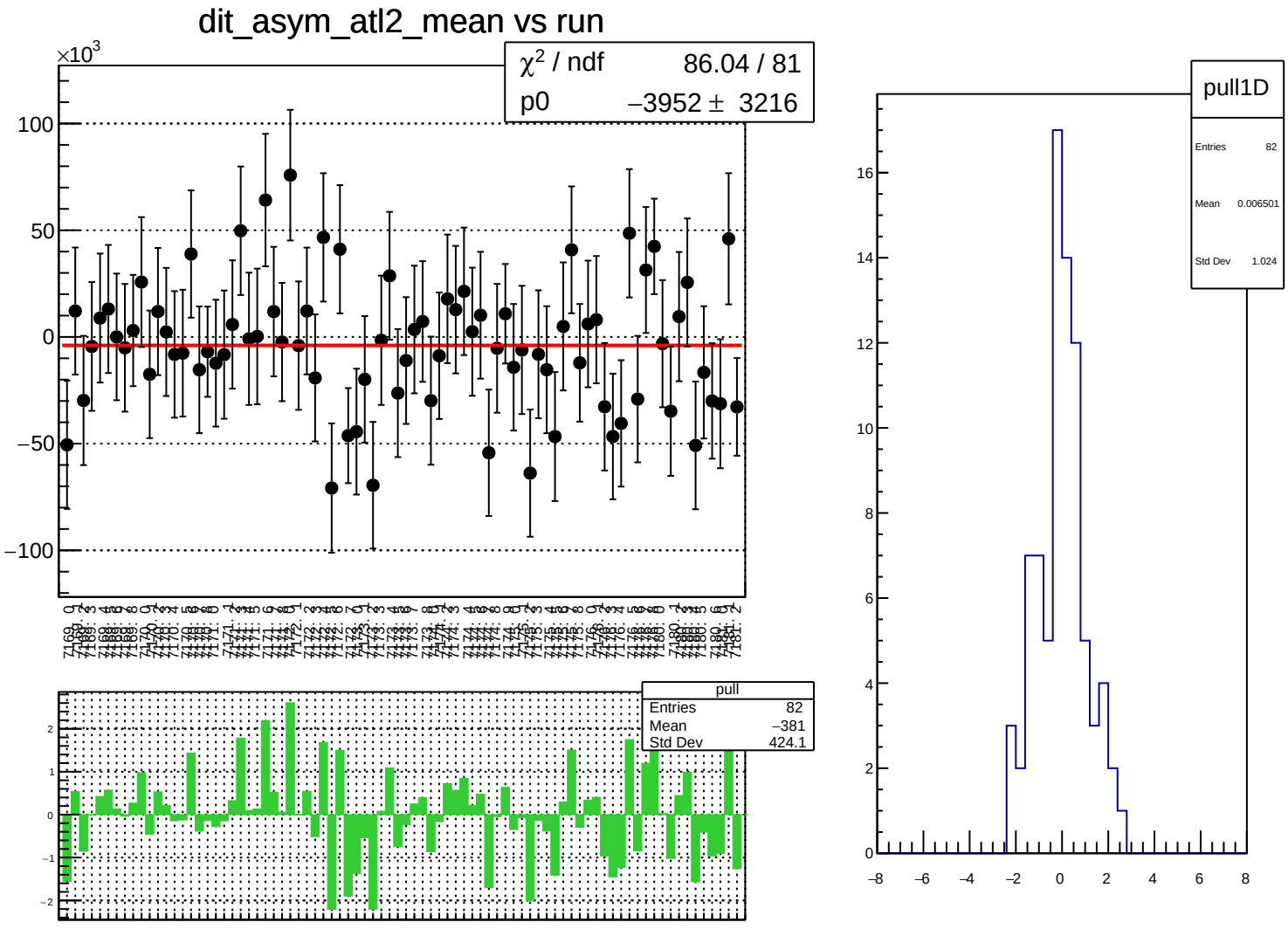
asym_atl1_correction_rms vs run

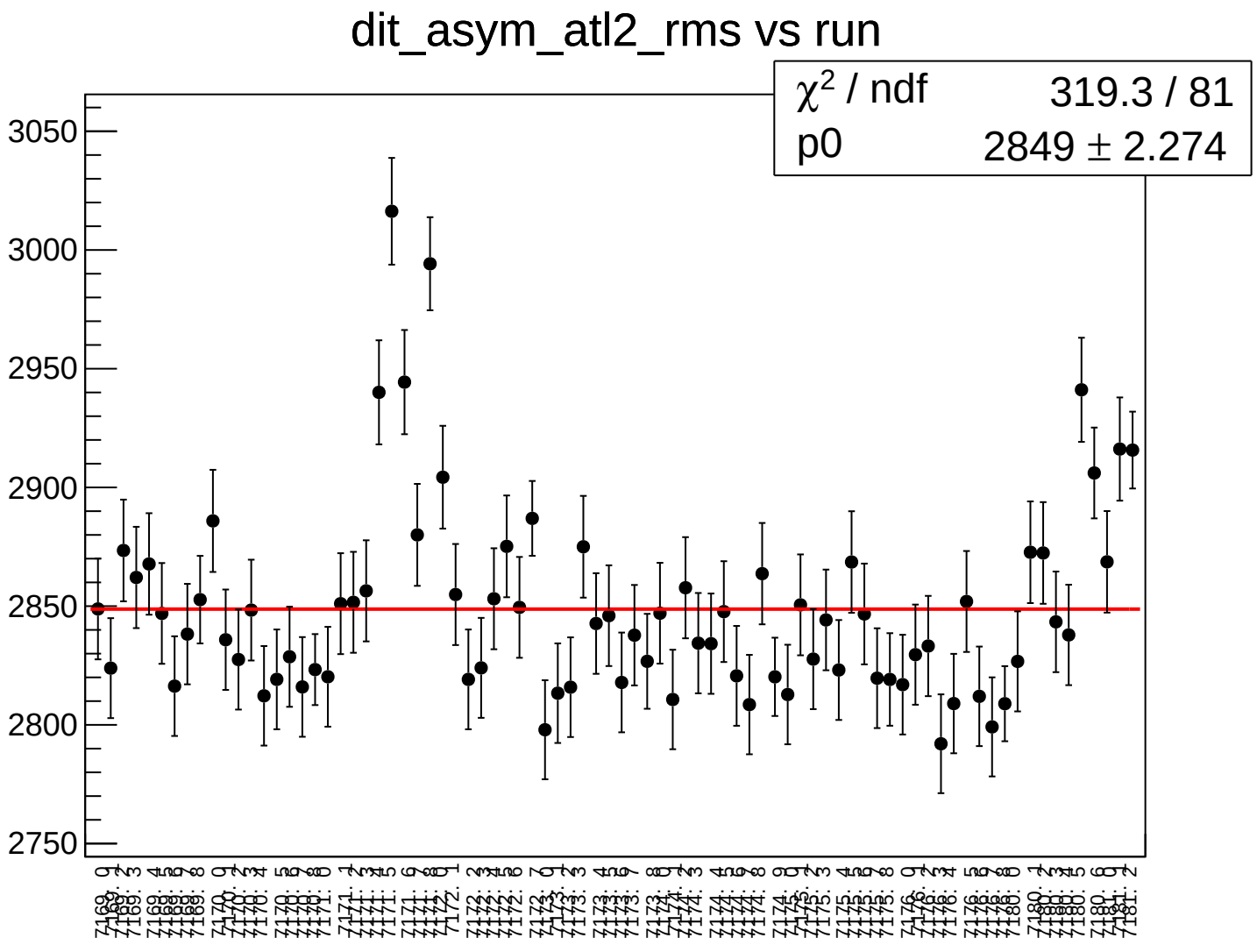


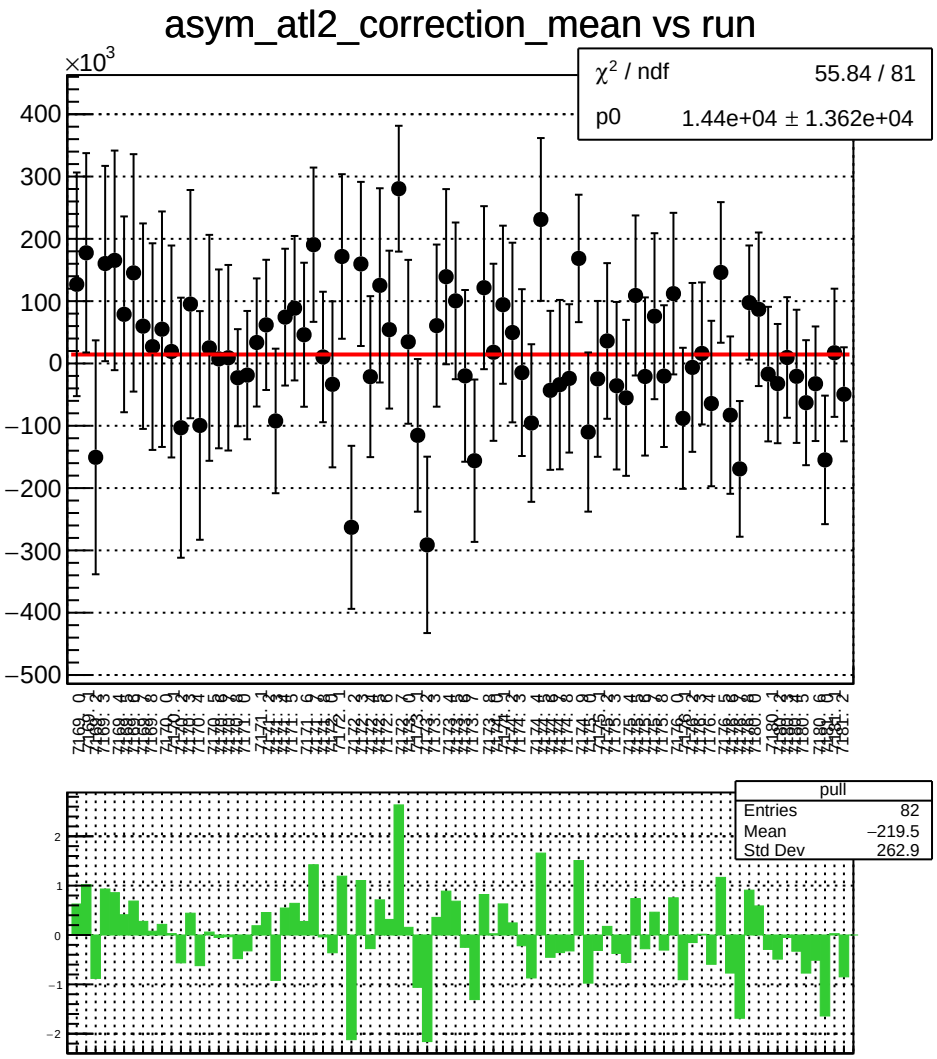

asym_atl1_mean vs run
×10^3
χ² / ndf 64.42 / 81
p0 −4158 ± 2798
pull
Entries 82
Mean −256.2
Std Dev 271.9

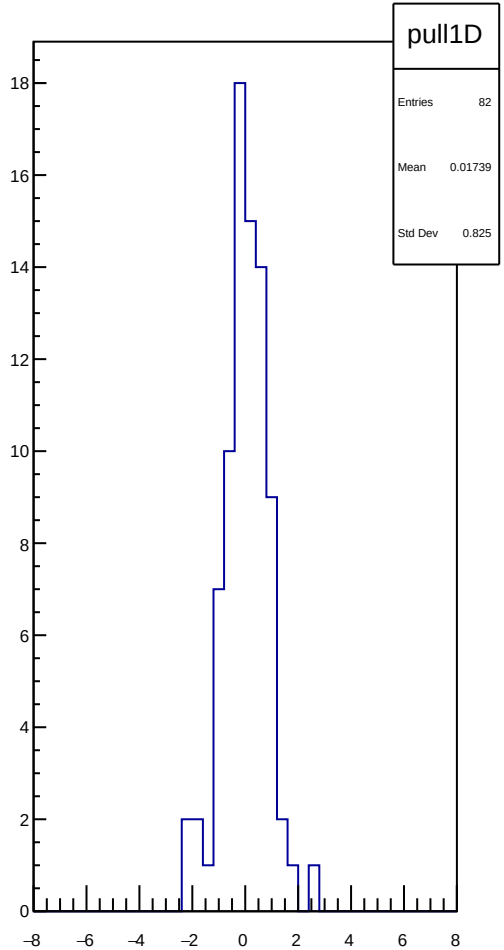

pull1D
Entries 82
Mean 0.005534
Std Dev 0.8863

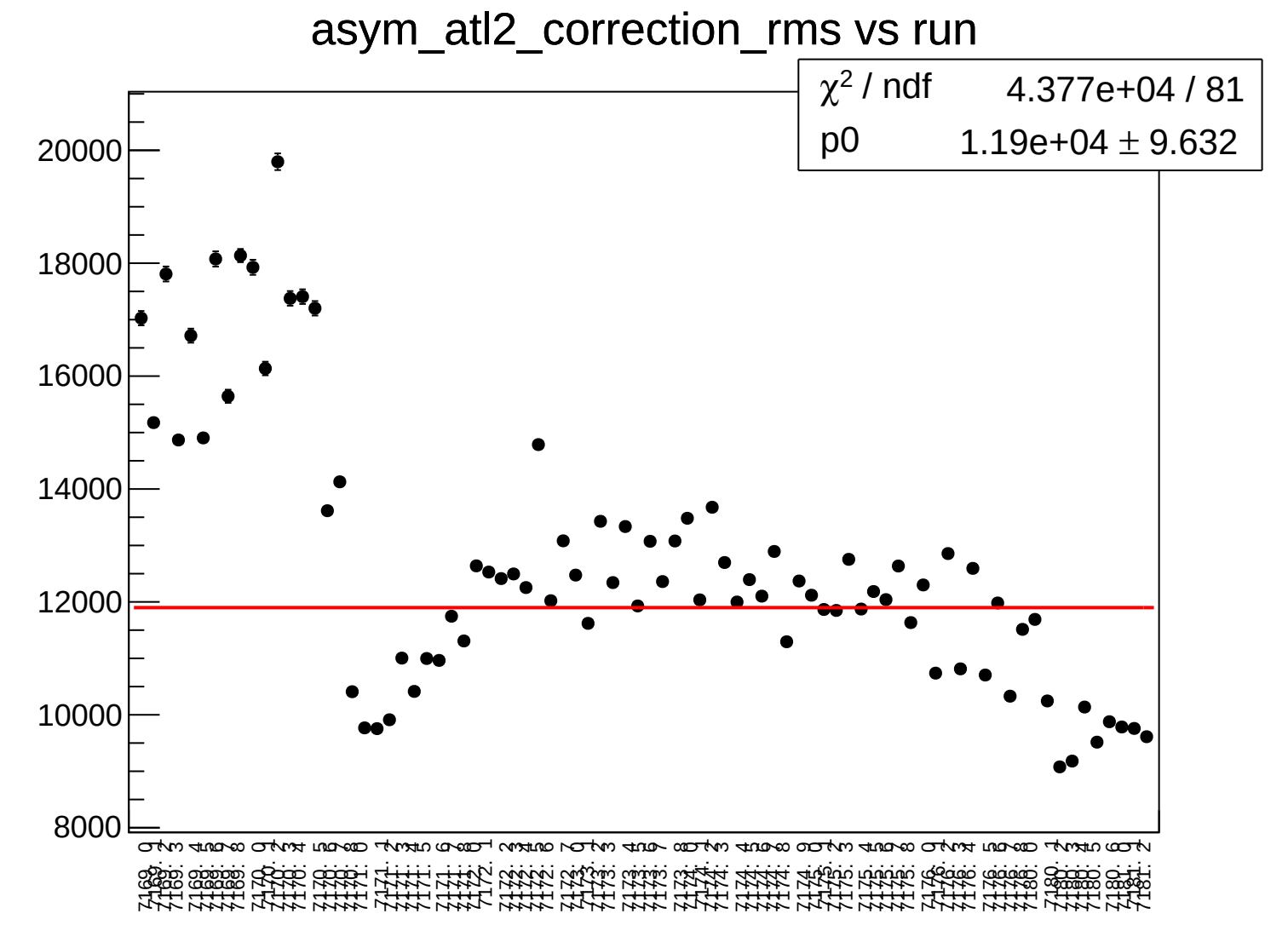

asym_atl1_rms vs run
χ² / ndf 1046 / 81
p0 2478 ± 1.979
2750
2700
2650
2600
2550
2500
2450
2400
2350

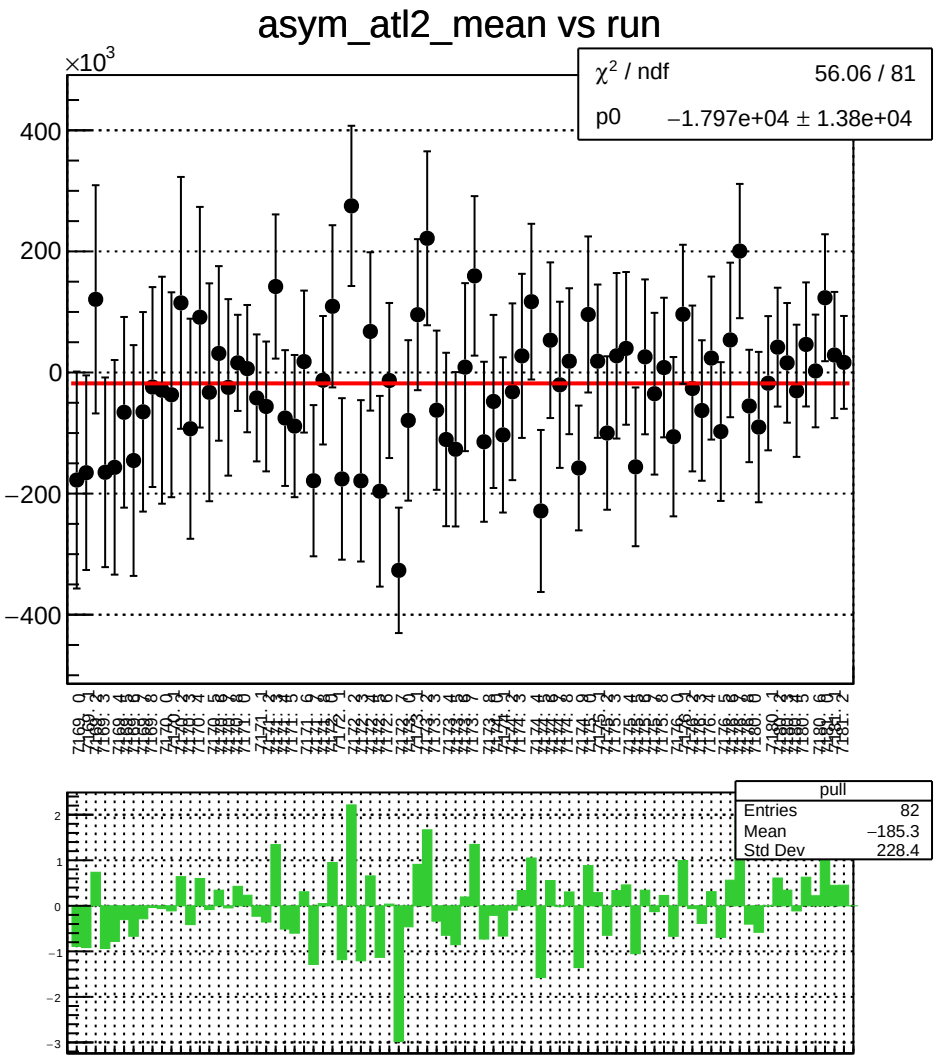

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 86.04 / 81
p0 −3952 ± 3216
pull
Entries 82
Mean −381
Std Dev 424.1
pull1D
Entries 82
Mean 0.006501
Std Dev 1.024

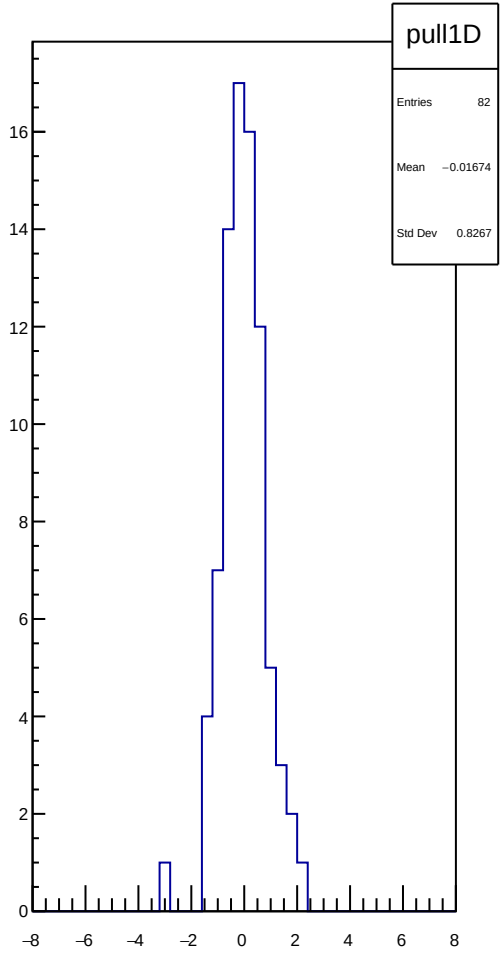

dit_asym_atl2_rms vs run
χ² / ndf 319.3 / 81
p0 2849 ± 2.274
3050
3000
2950
2900
2850
2800
2750


asym_atl2_correction_mean vs run
×10^3
χ² / ndf 55.84 / 81
p0 1.44e+04 ± 1.362e+04
pull
Entries 82
Mean −219.5
Std Dev 262.9

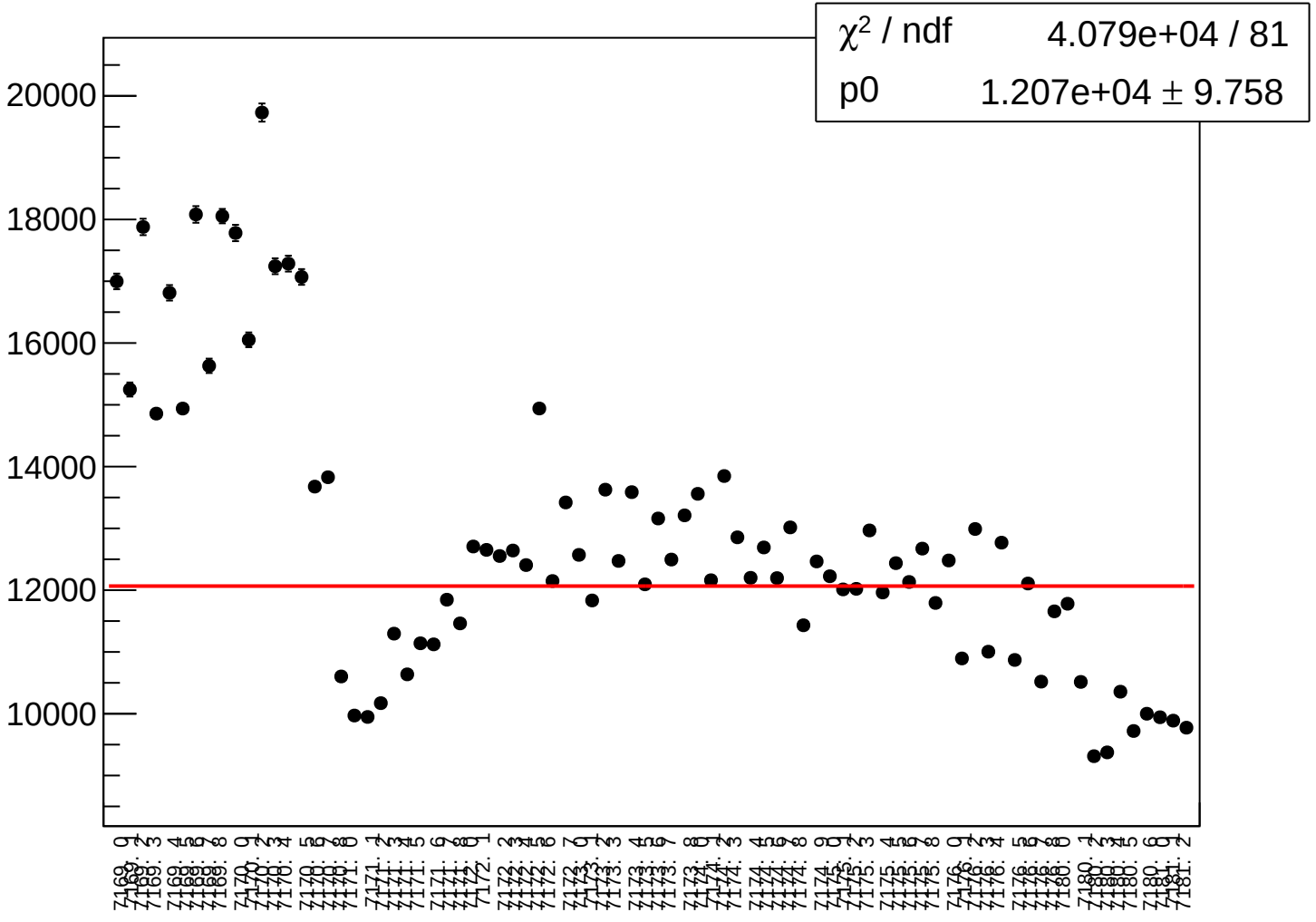

pull1D
Entries 82
Mean 0.01739
Std Dev 0.825

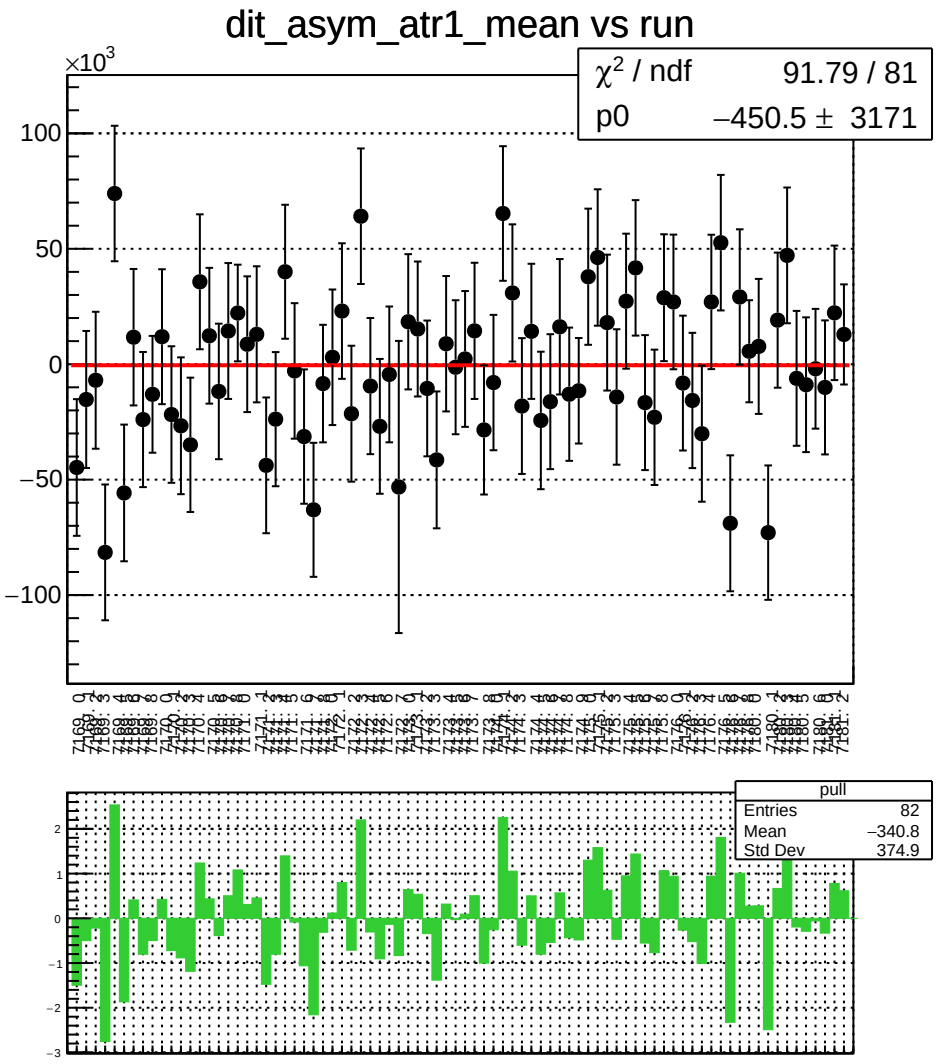

asym_atl2_correction_rms vs run
χ2 / ndf 4.377e+04 / 81
p0 1.19e+04 ± 9.632
20000
18000
16000
14000
12000
10000
8000

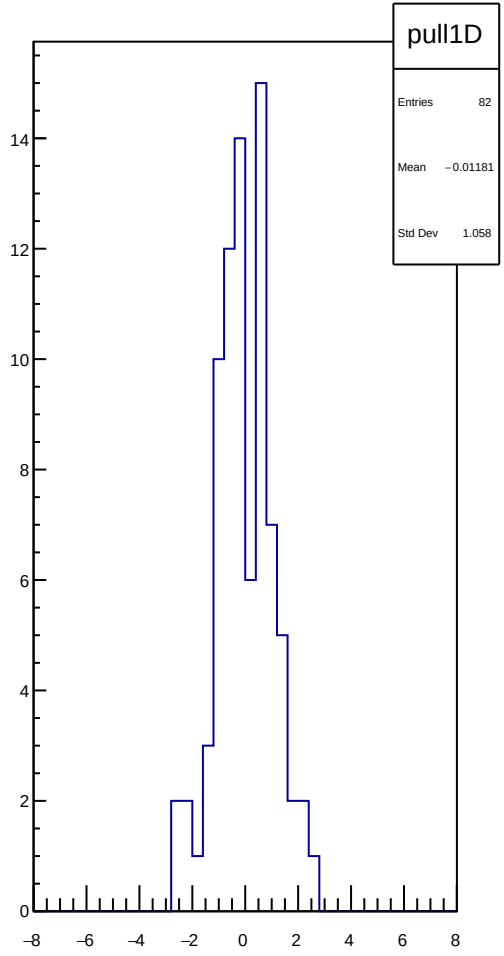

asym_atl2_mean vs run
×10^3
χ² / ndf 56.06 / 81
p0 −1.797e+04 ± 1.38e+04
pull
Entries 82
Mean −185.3
Std Dev 228.4


pull1D
Entries 82
Mean −0.01674
Std Dev 0.8267

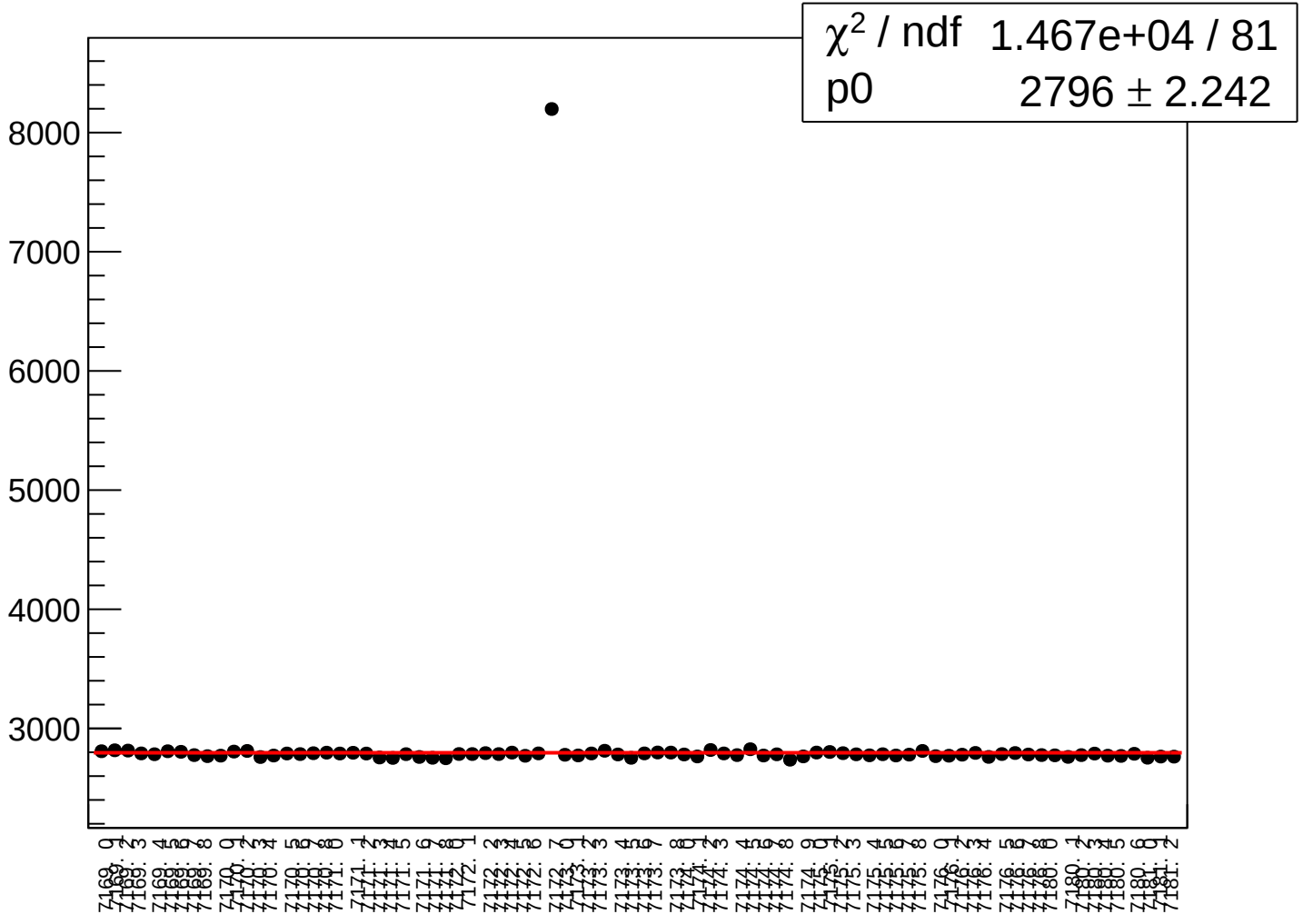
asym_atl2_rms vs run

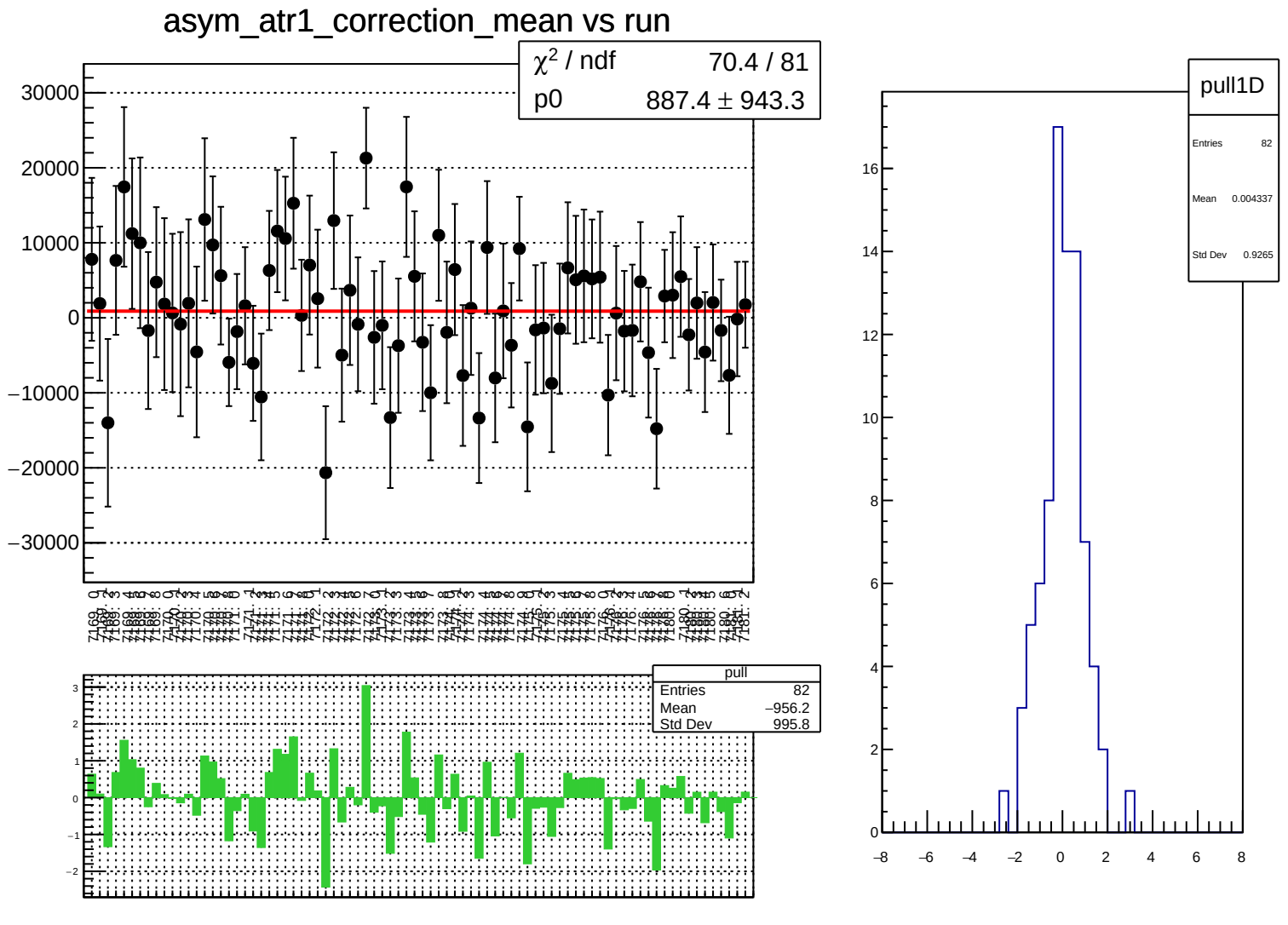


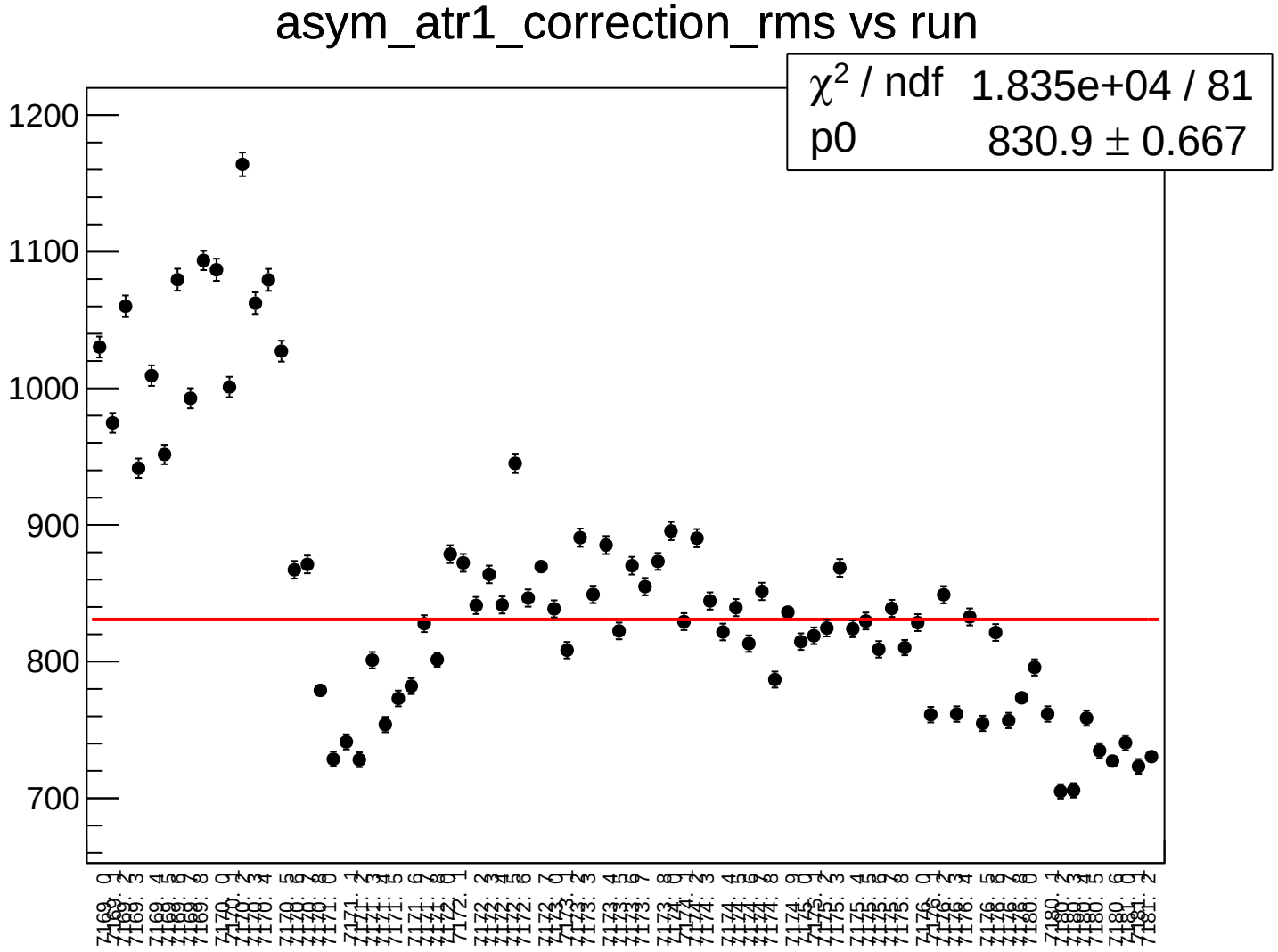

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 91.79 / 81
p0 −450.5 ± 3171
pull
Entries 82
Mean −340.8
Std Dev 374.9

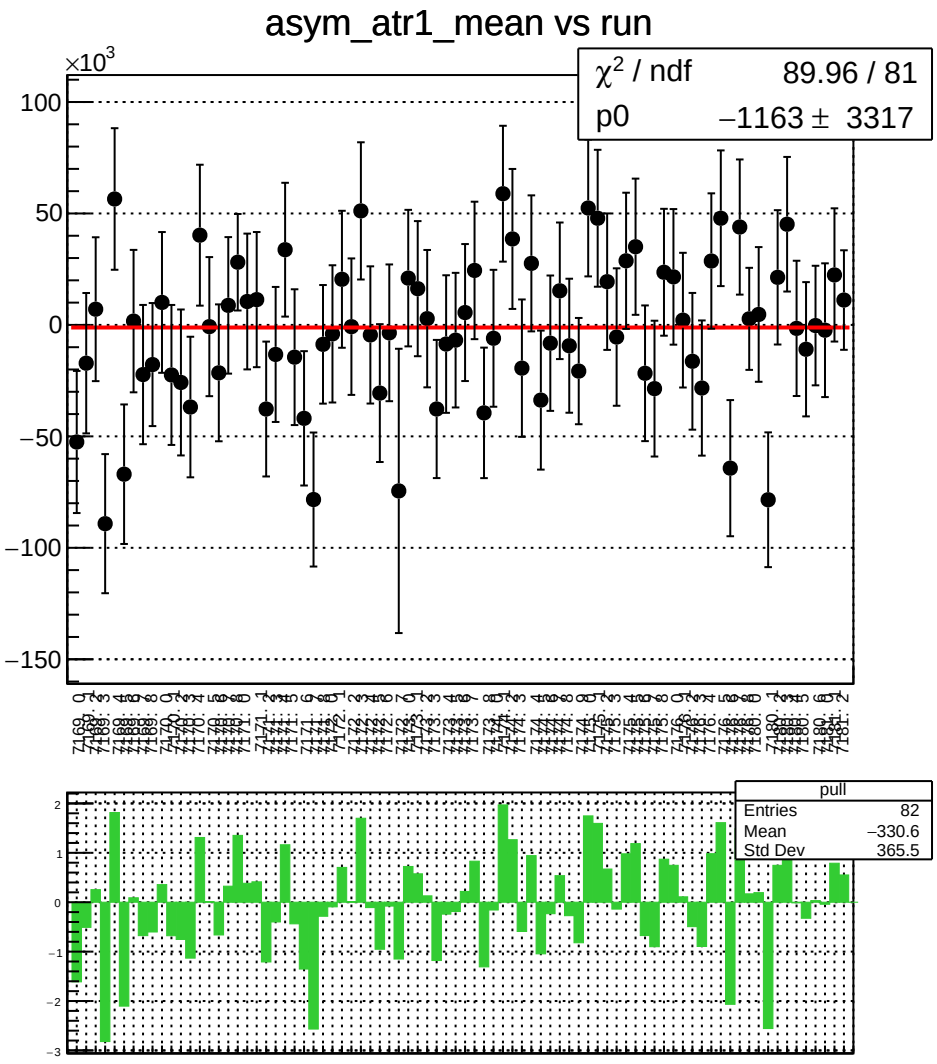

pull1D
Entries 82
Mean −0.01181
Std Dev 1.058

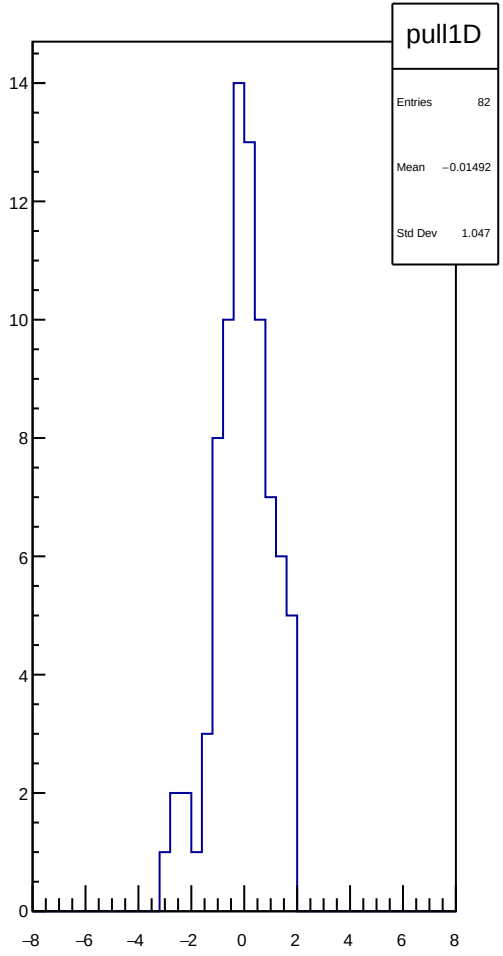
dit_asym_atr1_rms vs run

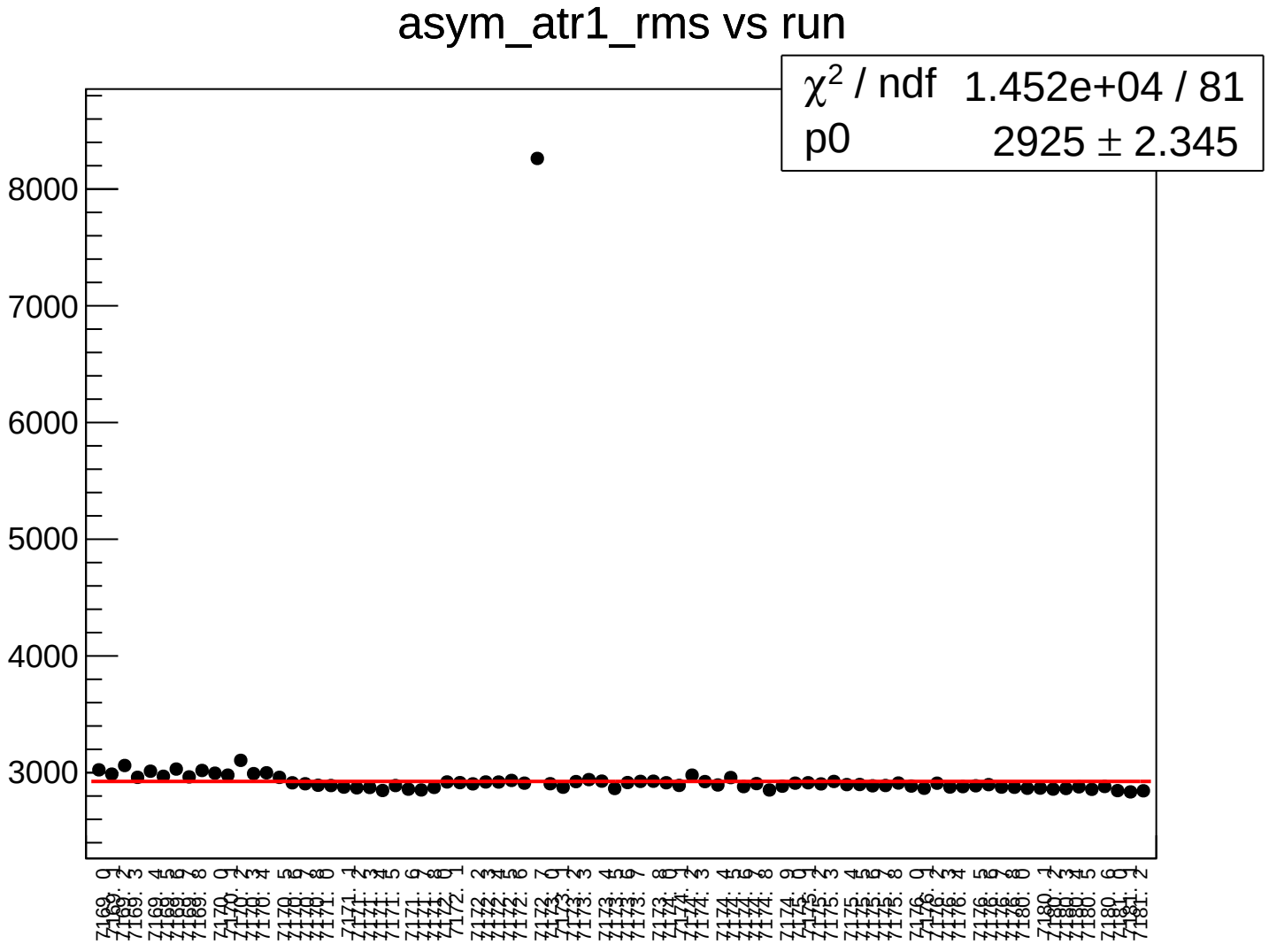


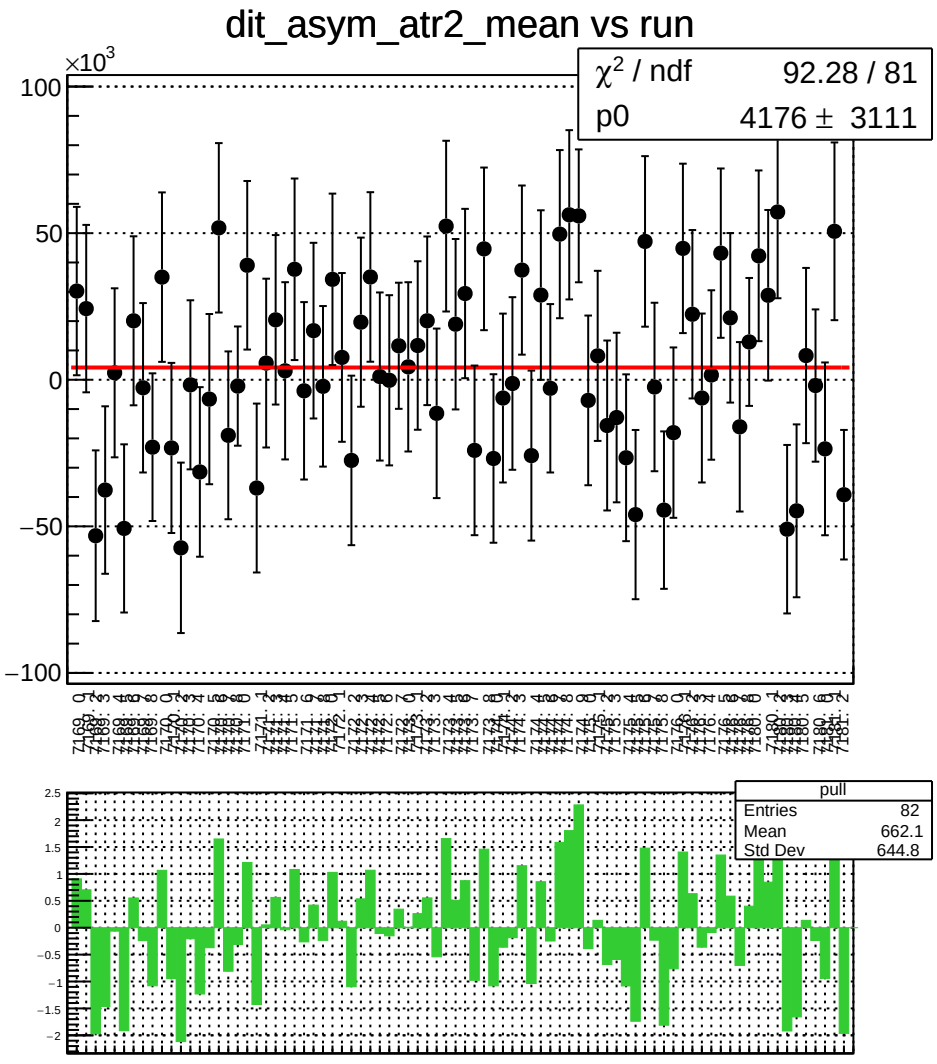

asym_atr1_correction_mean vs run
χ² / ndf 70.4 / 81
p0 887.4 ± 943.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean −956.2
Std Dev 995.8
3
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.004337
Std Dev 0.9265
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

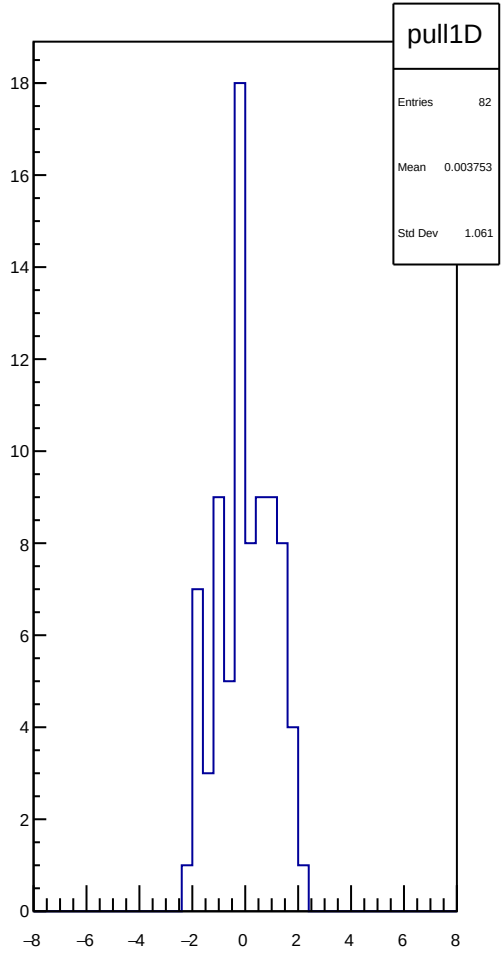

asym_atr1_correction_rms vs run
χ^2 / ndf 1.835e+04 / 81
p0 830.9 ± 0.667
1200
1100
1000
900
800
700

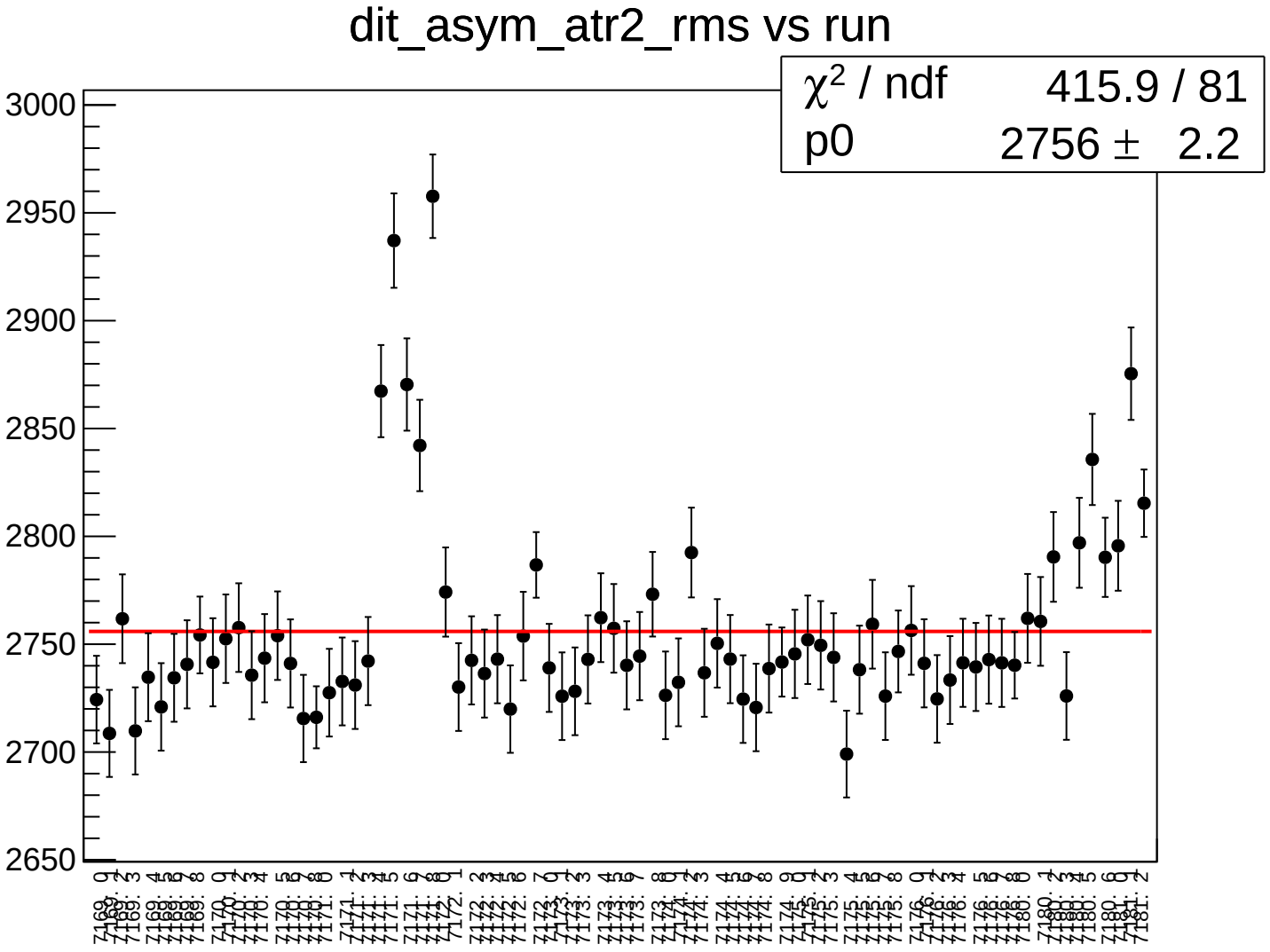

asym_atr1_mean vs run
×10^3
χ² / ndf 89.96 / 81
p0 −1163 ± 3317
pull
Entries 82
Mean −330.6
Std Dev 365.5

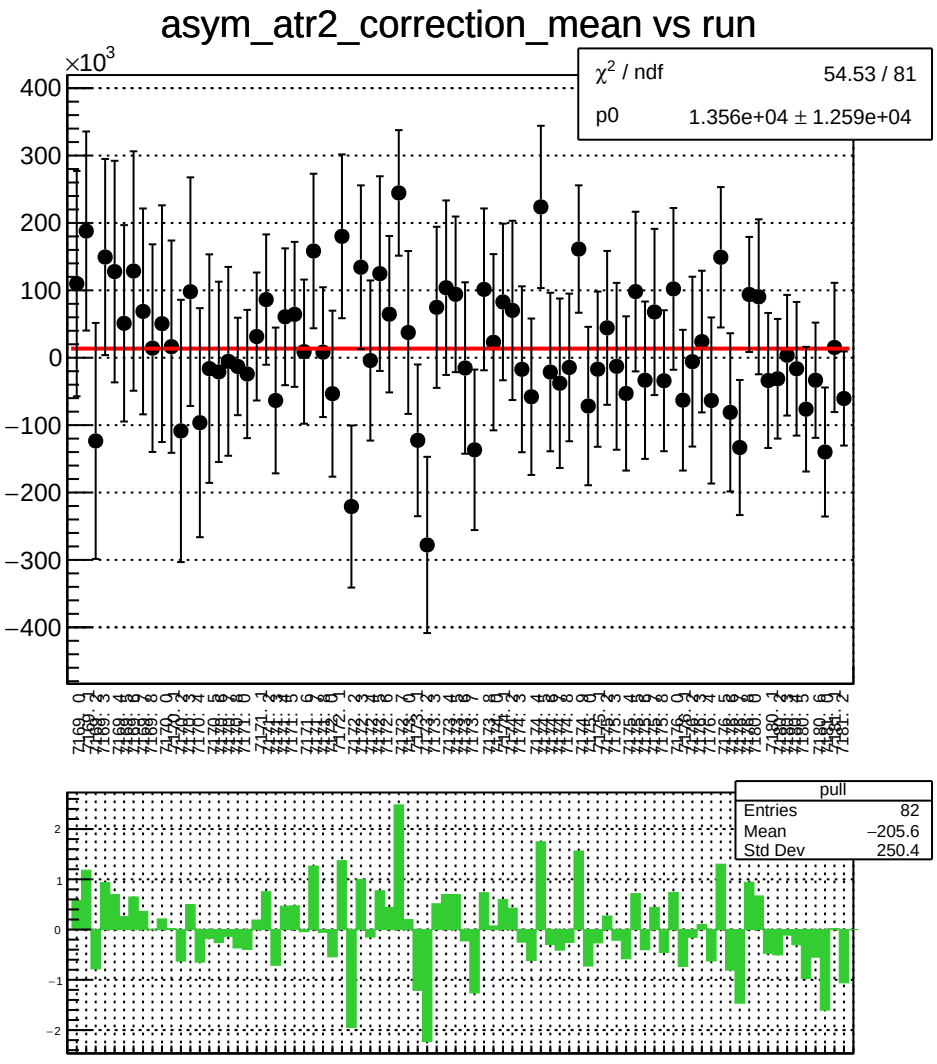

pull1D
Entries 82
Mean −0.01492
Std Dev 1.047

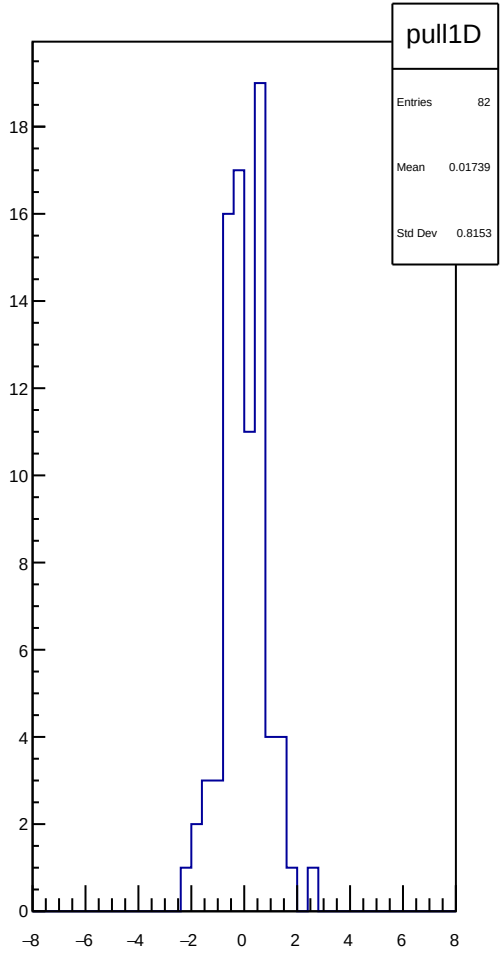

asym_atr1_rms vs run
χ^2 / ndf 1.452e+04 / 81
p0 2925 ± 2.345
8000
7000
6000
5000
4000
3000


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 92.28 / 81
p0 4176 ± 3111
pull
Entries 82
Mean 662.1
Std Dev 644.8

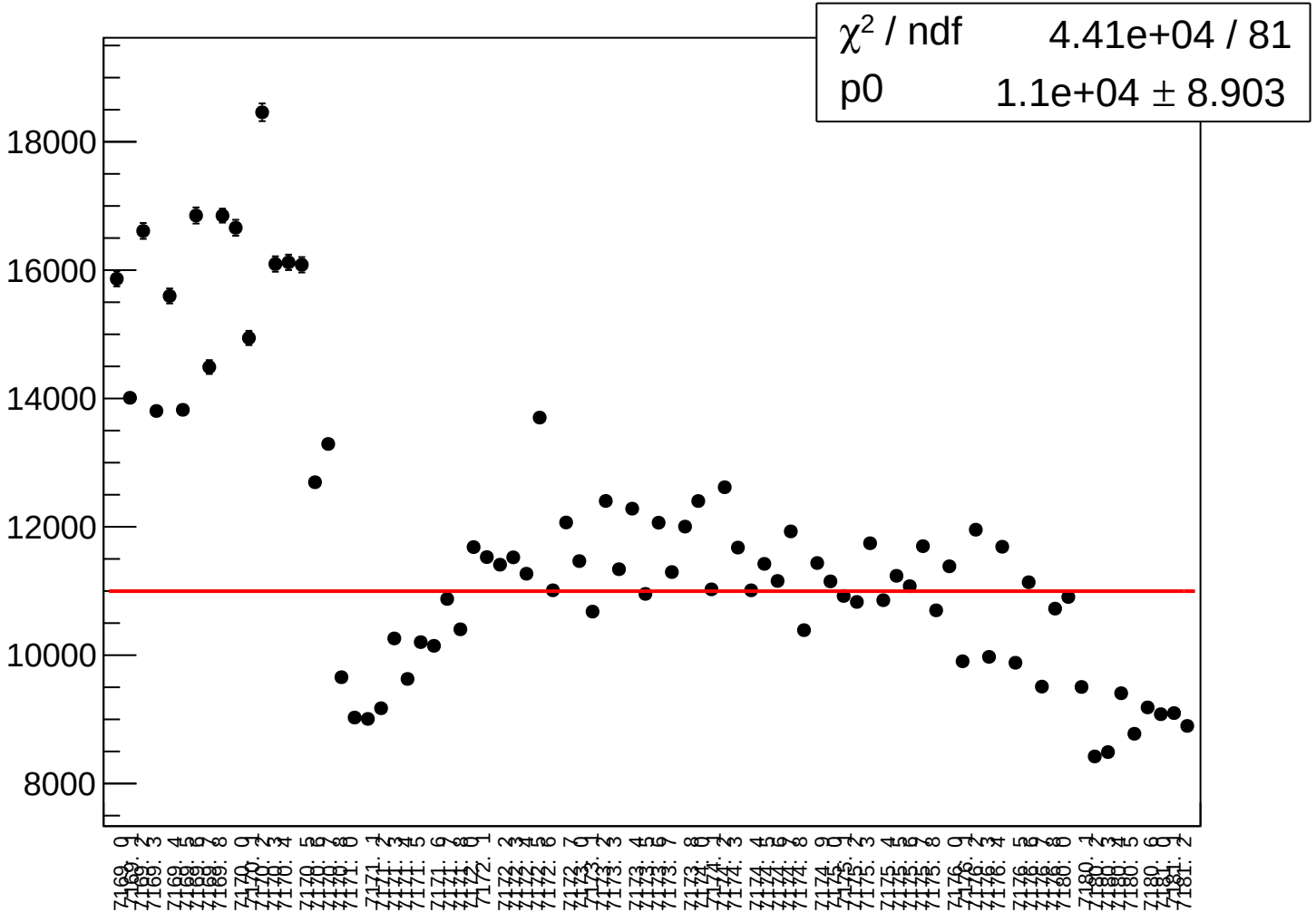

pull1D
Entries 82
Mean 0.003753
Std Dev 1.061

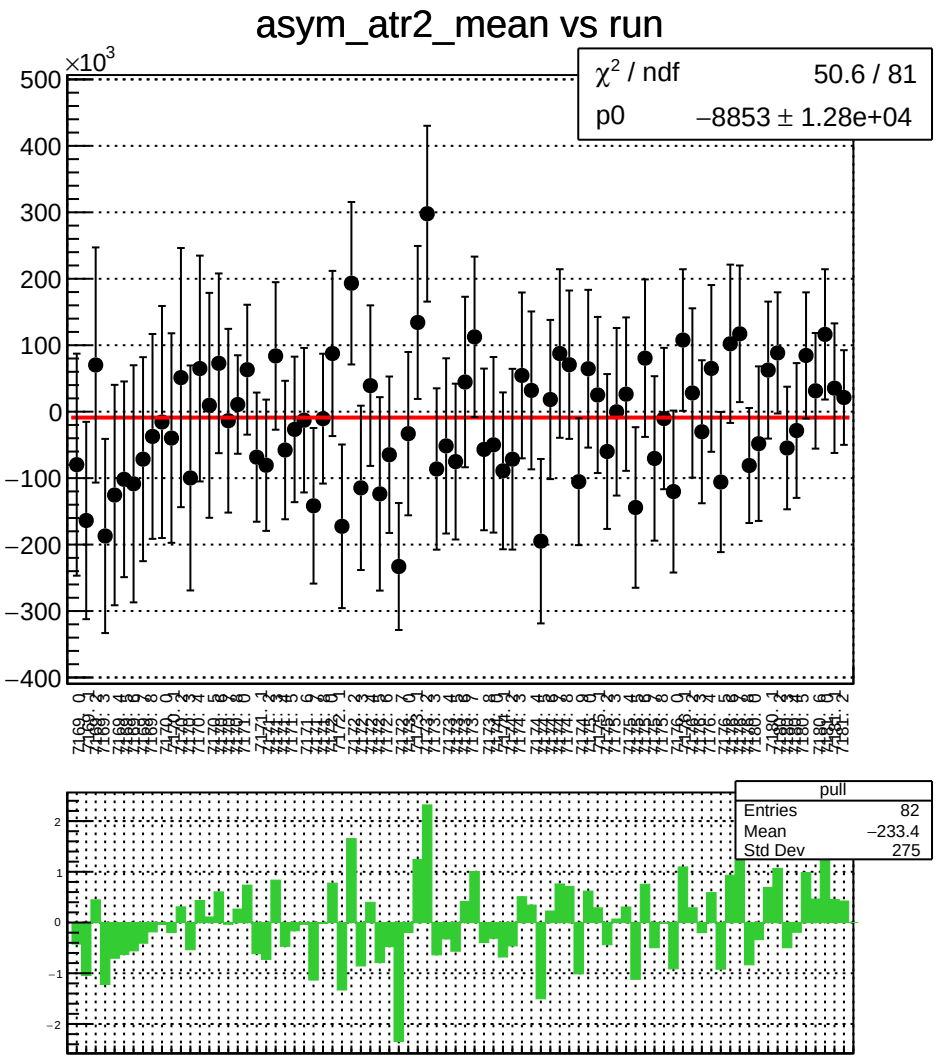

dit_asym_atr2_rms vs run
χ² / ndf 415.9 / 81
p0 2756 ± 2.2
3000
2950
2900
2850
2800
2750
2700
2650

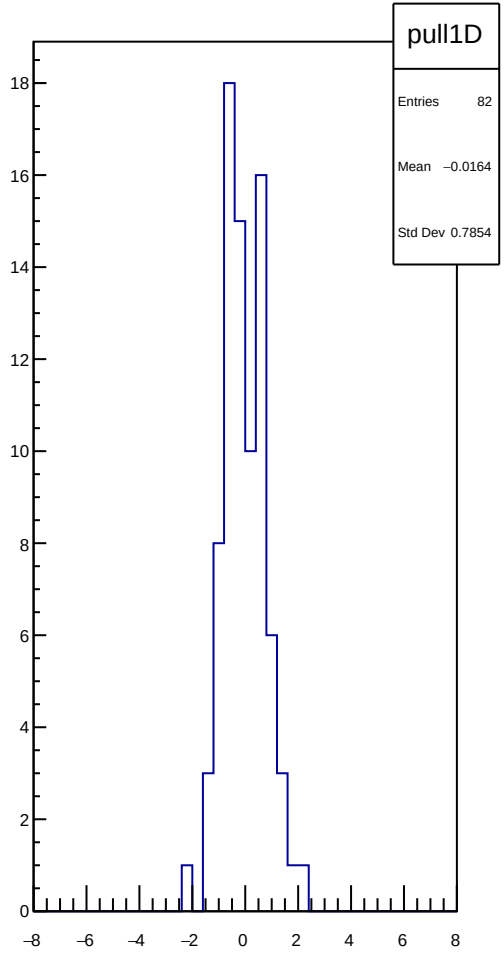

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 54.53 / 81
p0 1.356e+04 ± 1.259e+04
pull
Entries 82
Mean −205.6
Std Dev 250.4

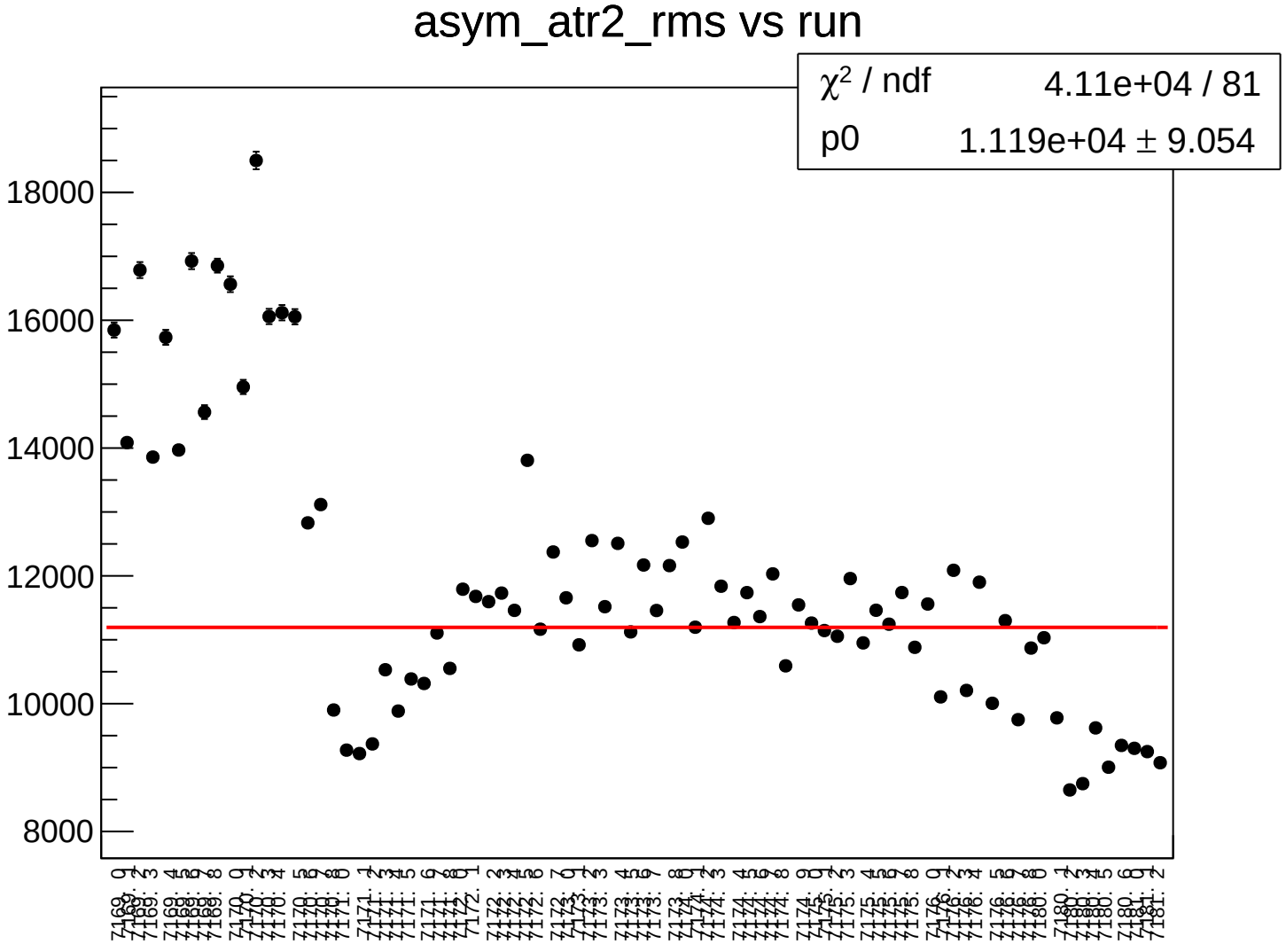

pull1D
Entries 82
Mean 0.01739
Std Dev 0.8153

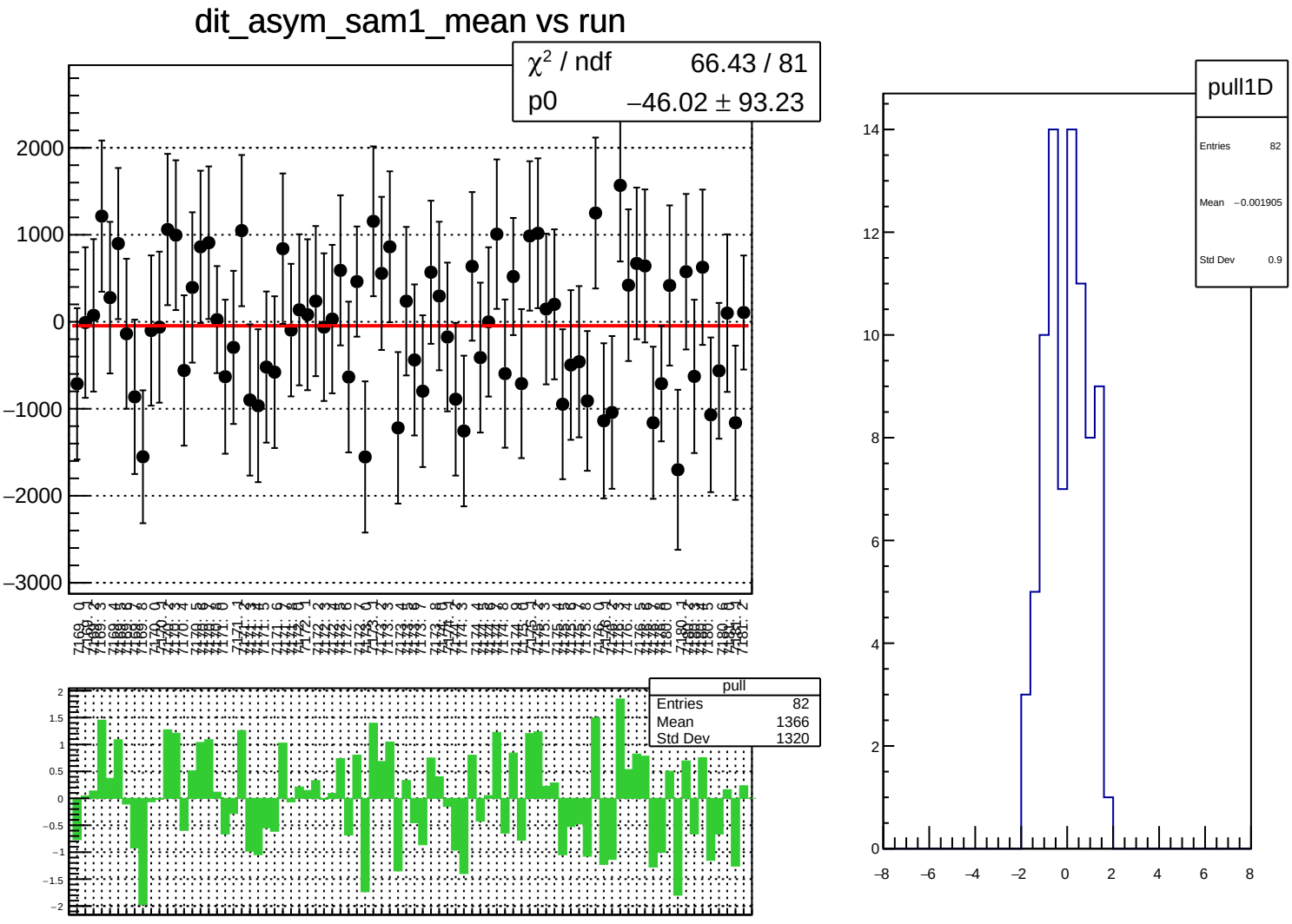
asym_atr2_correction_rms vs run

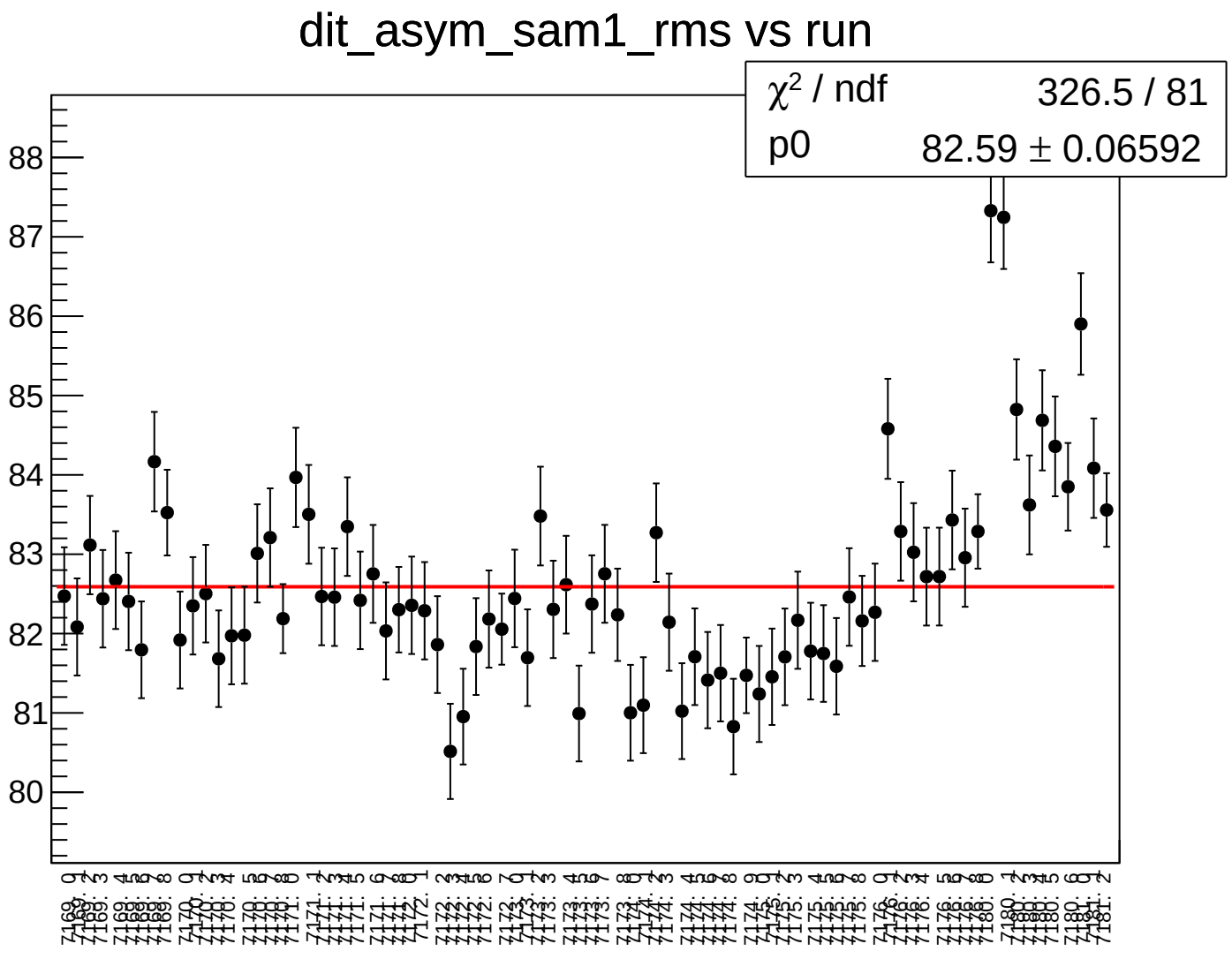


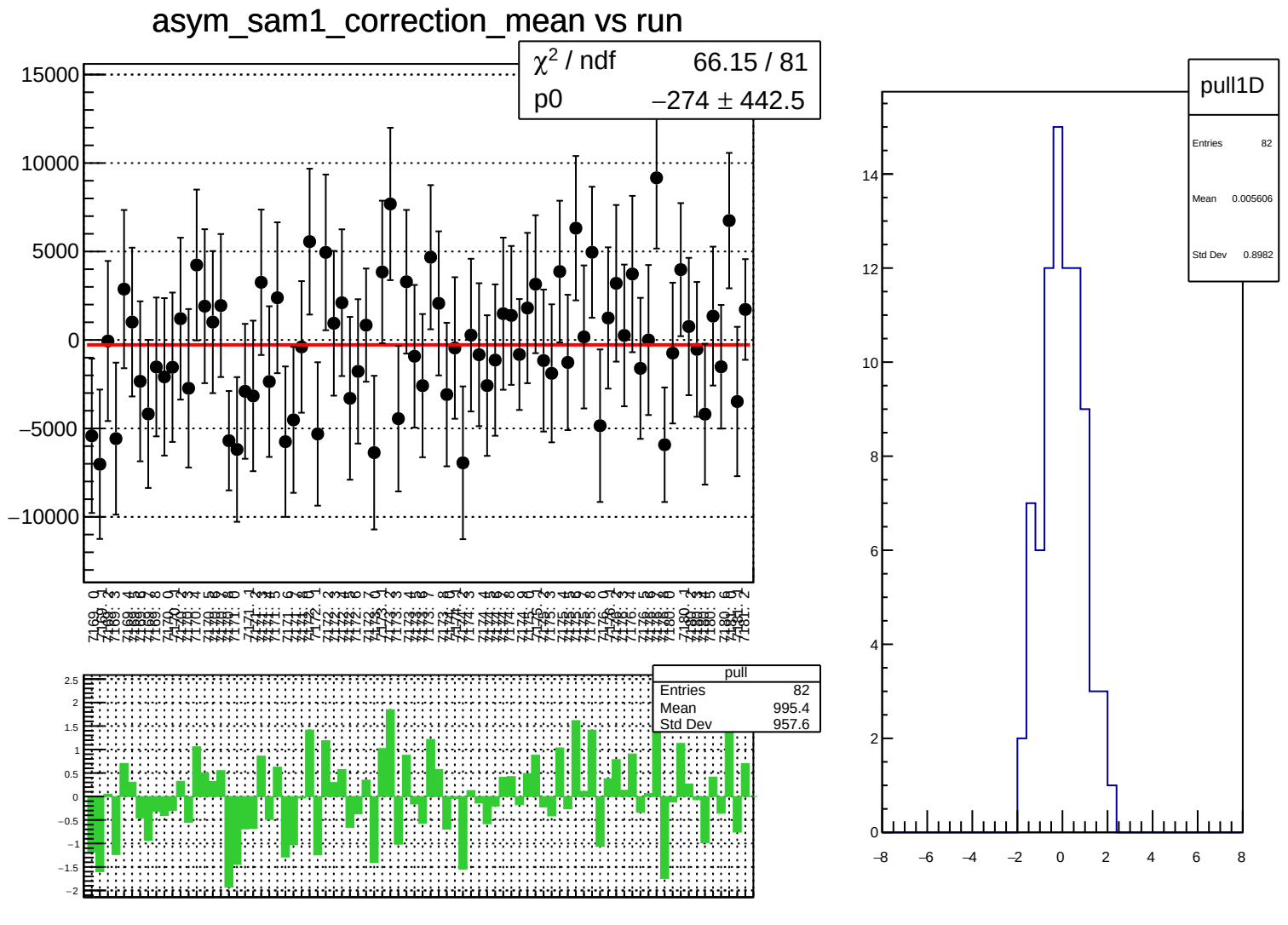

asym_atr2_mean vs run
×10^3
χ² / ndf 50.6 / 81
p0 −8853 ± 1.28e+04
pull
Entries 82
Mean −233.4
Std Dev 275


pull1D
Entries 82
Mean −0.0164
Std Dev 0.7854

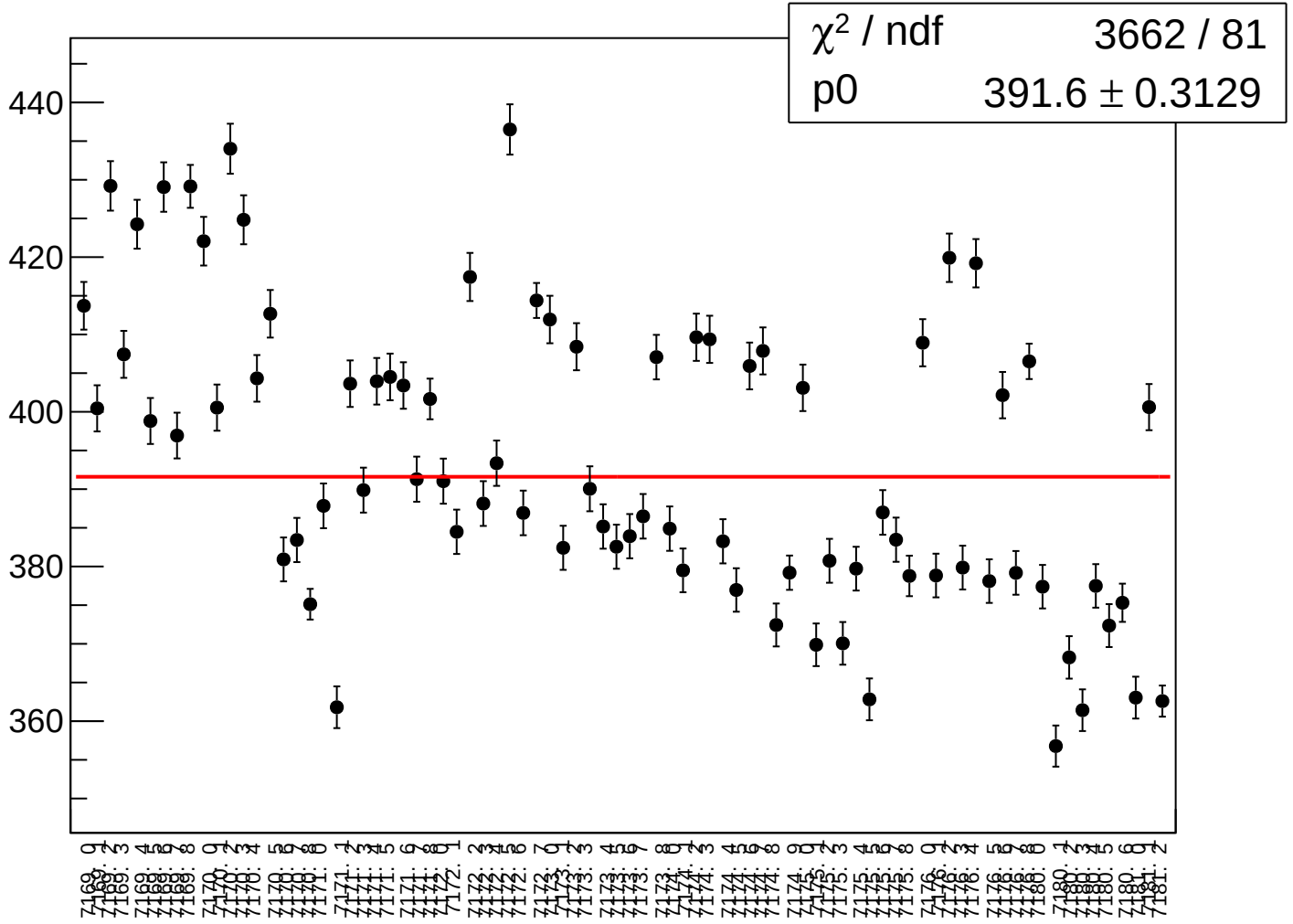

asym_atr2_rms vs run
χ2 / ndf 4.11e+04 / 81
p0 1.119e+04 ± 9.054
18000
16000
14000
12000
10000
8000

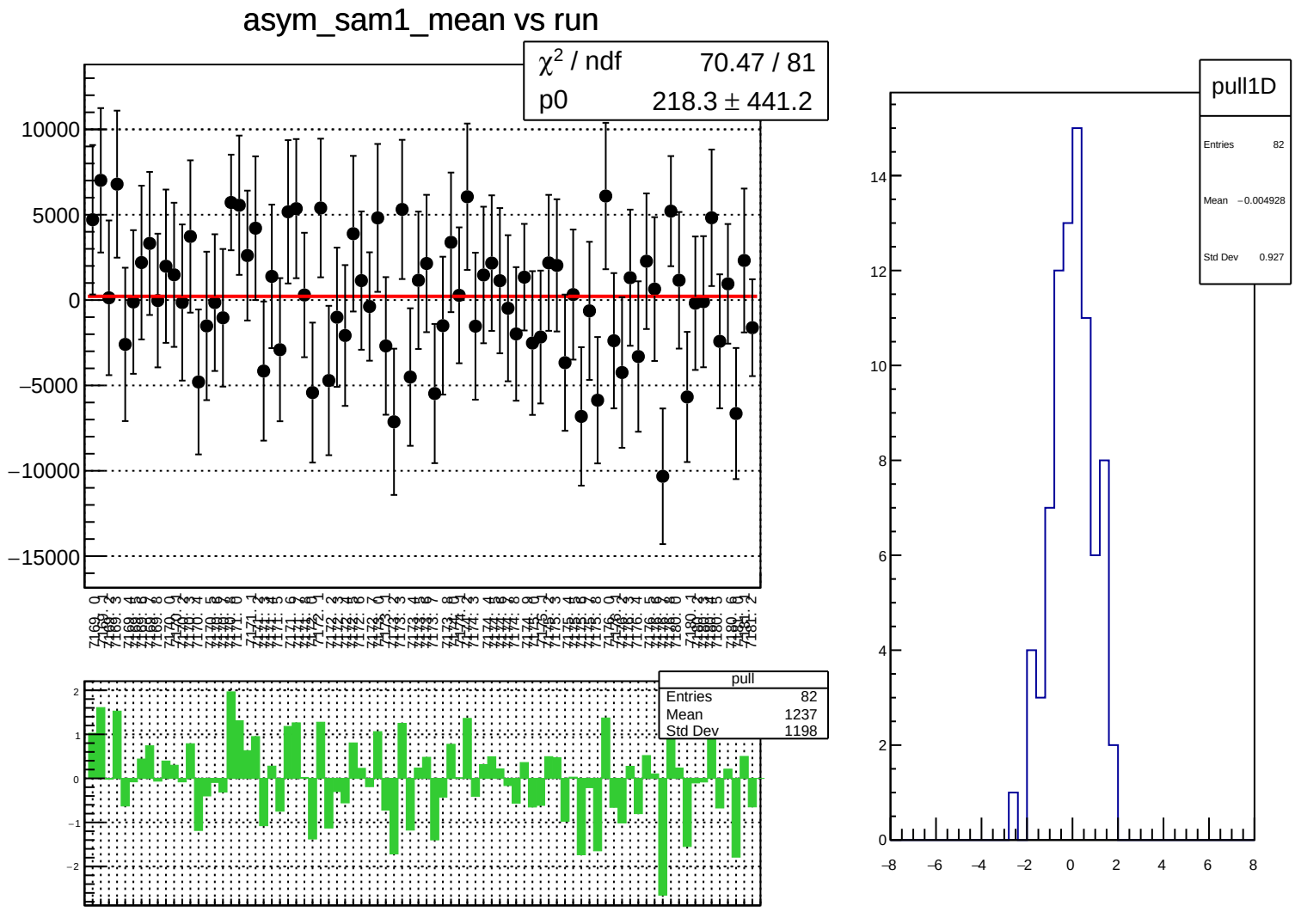

dit_asym_sam1_mean vs run
χ² / ndf 66.43 / 81
p0 −46.02 ± 93.23
pull
Entries 82
Mean 1366
Std Dev 1320
pull1D
Entries 82
Mean −0.001905
Std Dev 0.9

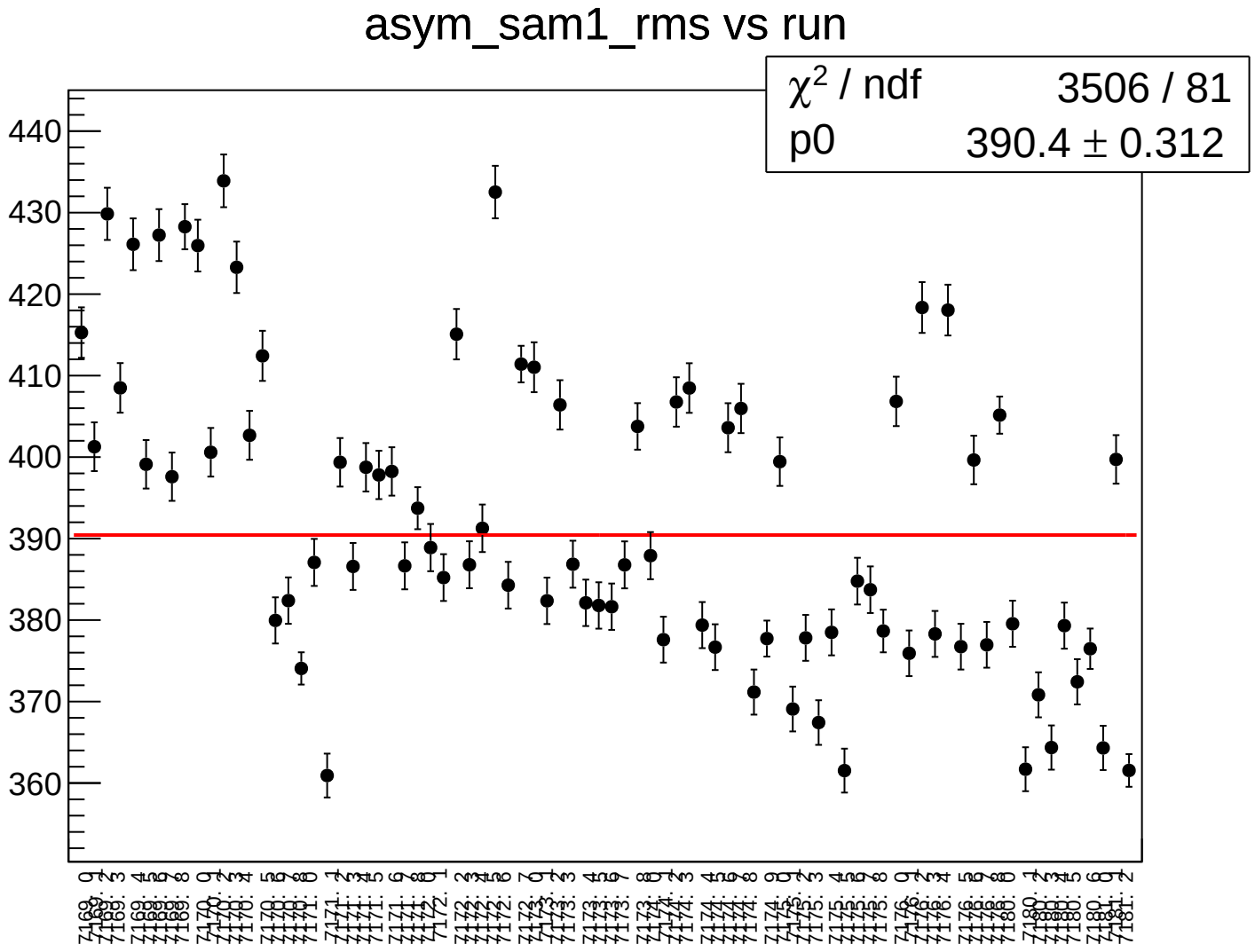

dit_asym_sam1_rms vs run
χ² / ndf 326.5 / 81
p0 82.59 ± 0.06592
88
87
86
85
84
83
82
81
80

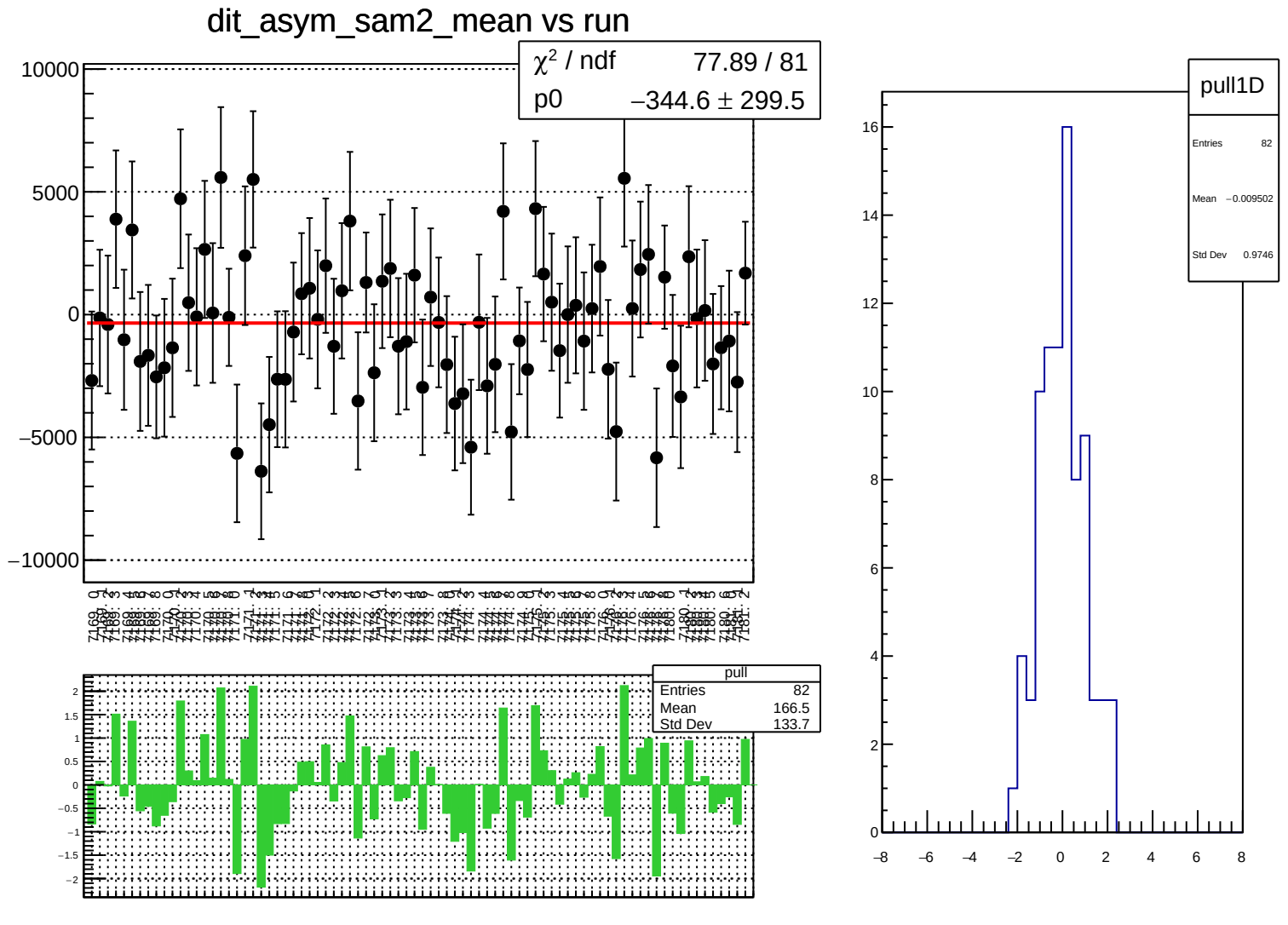

asym_sam1_correction_mean vs run
χ² / ndf 66.15 / 81
p0 −274 ± 442.5
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 995.4
Std Dev 957.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.005606
Std Dev 0.8982
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

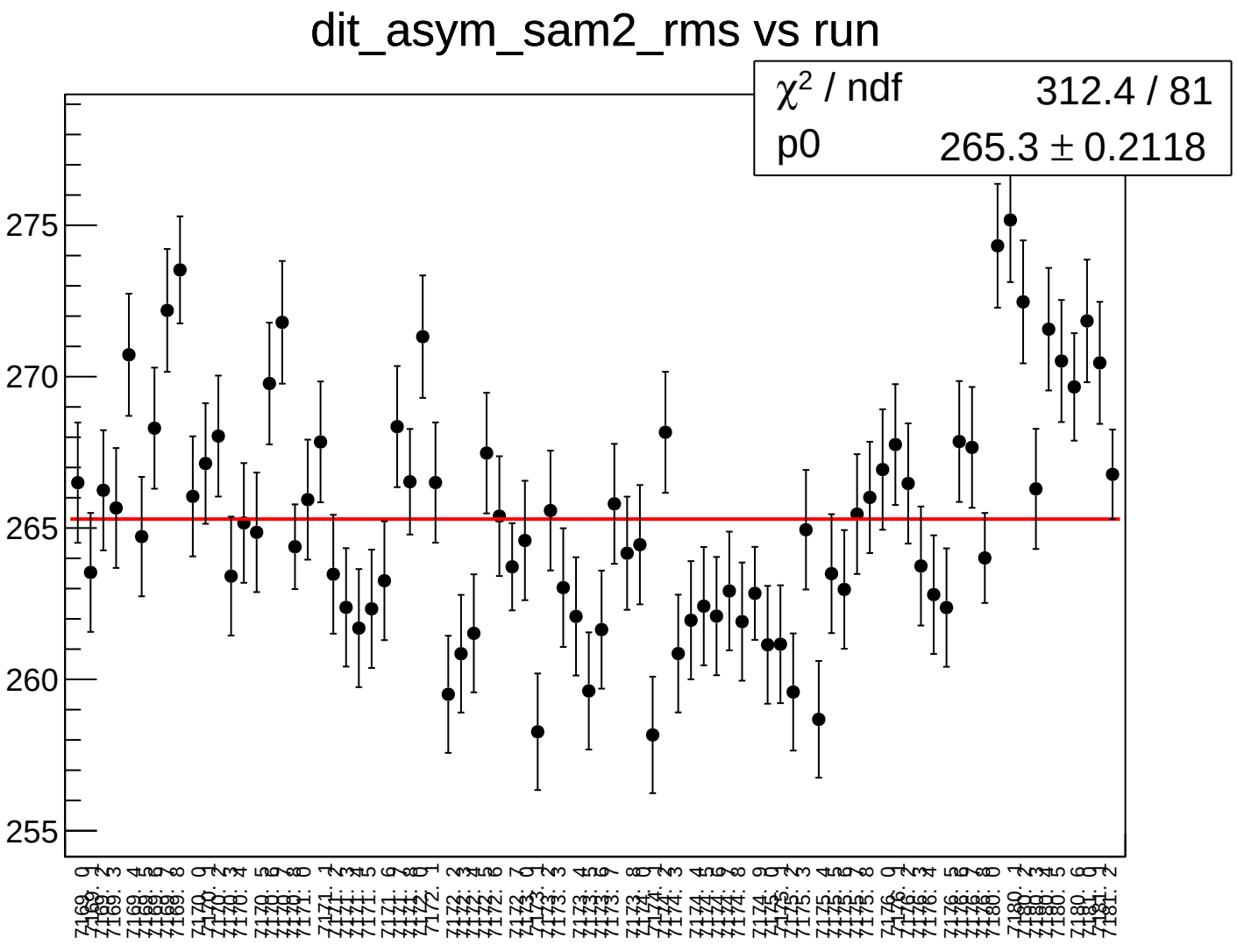
asym_sam1_correction_rms vs run

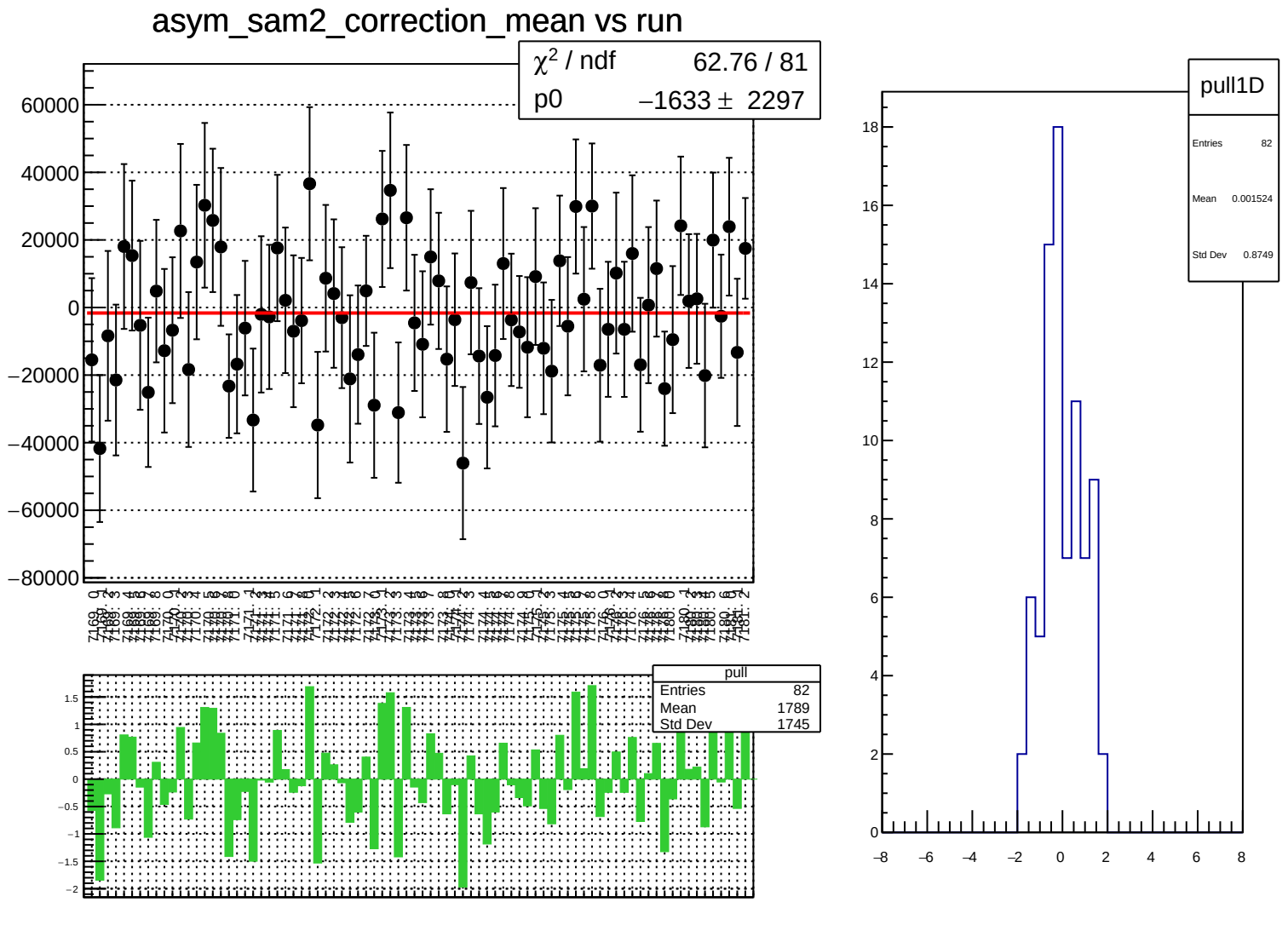


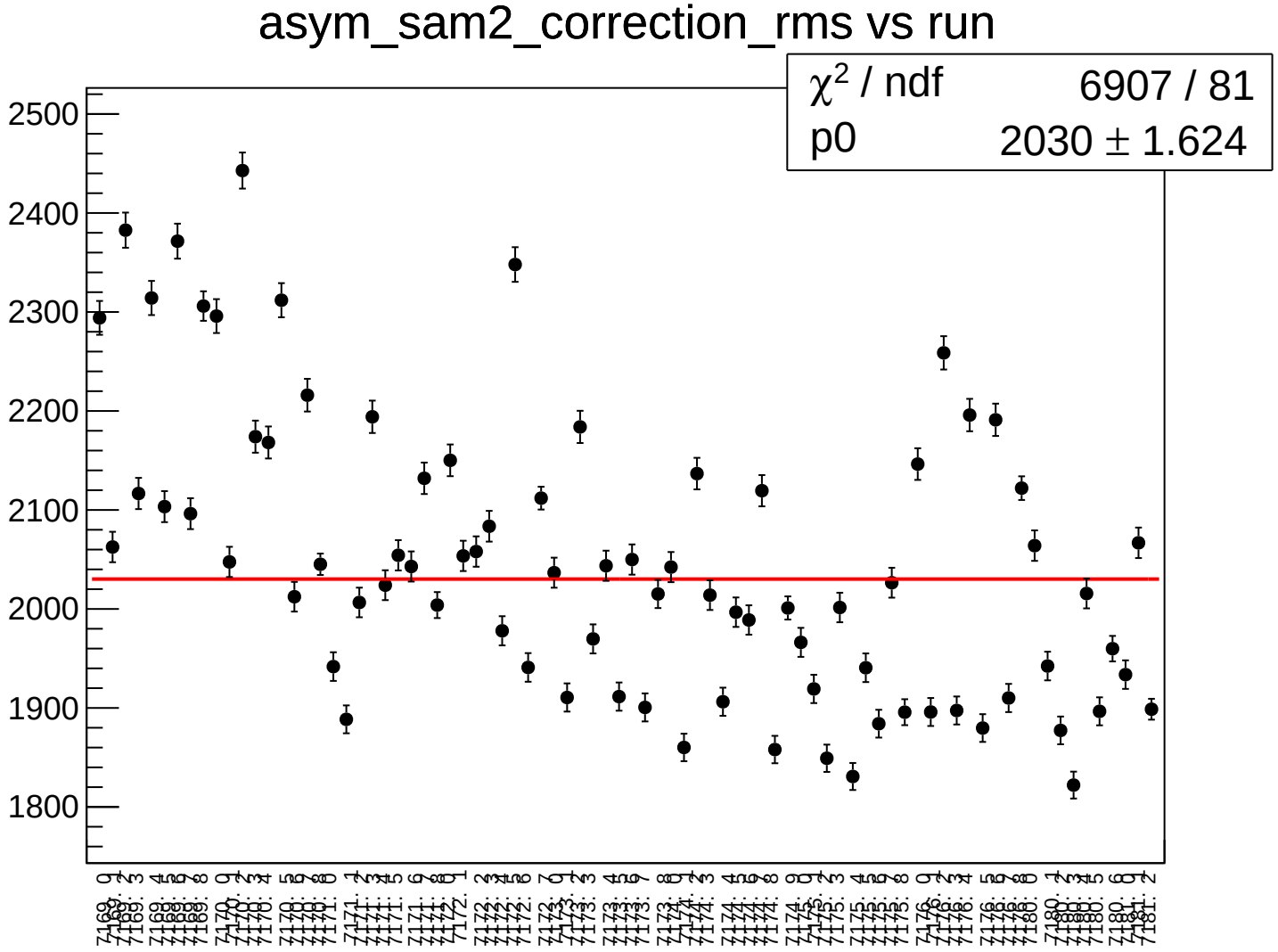

asym_sam1_mean vs run
χ² / ndf 70.47 / 81
p0 218.3 ± 441.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 1237
Std Dev 1198
pull1D
Entries 82
Mean −0.004928
Std Dev 0.927

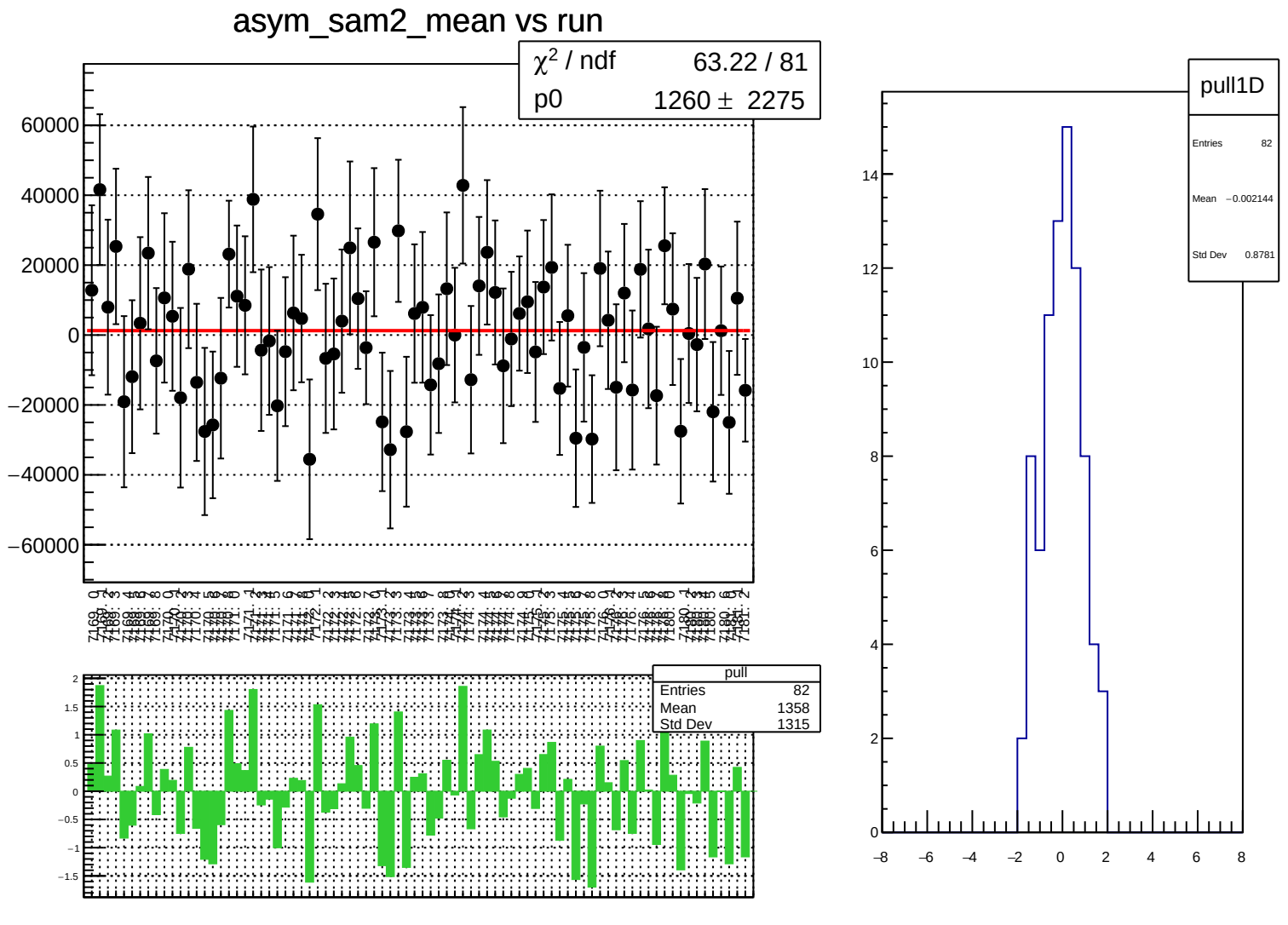

asym_sam1_rms vs run
χ^2 / ndf 3506 / 81
p0 390.4 ± 0.312
440
430
420
410
400
390
380
370
360

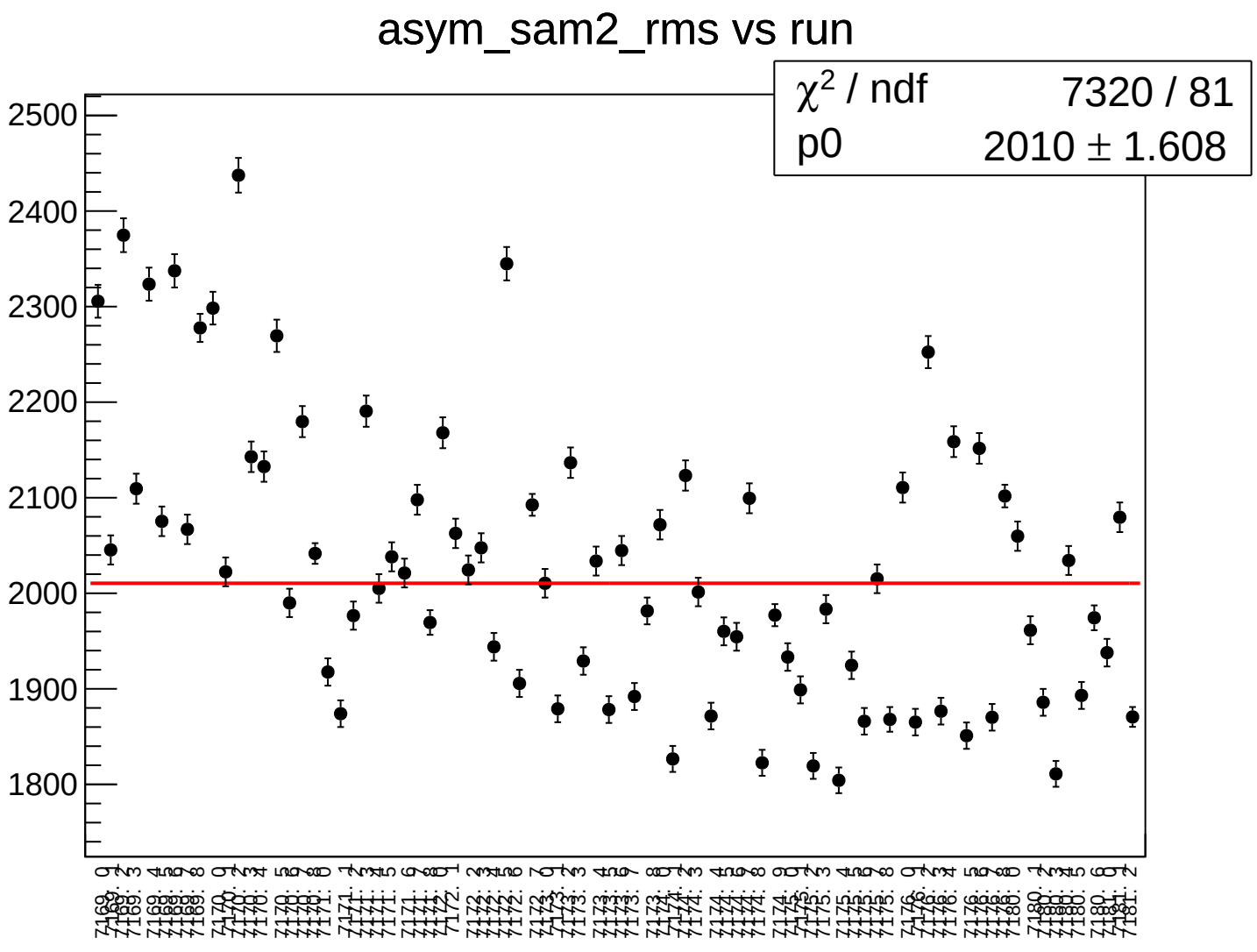

dit_asym_sam2_mean vs run
χ² / ndf 77.89 / 81
p0 −344.6 ± 299.5
pull
Entries 82
Mean 166.5
Std Dev 133.7
pull1D
Entries 82
Mean −0.009502
Std Dev 0.9746

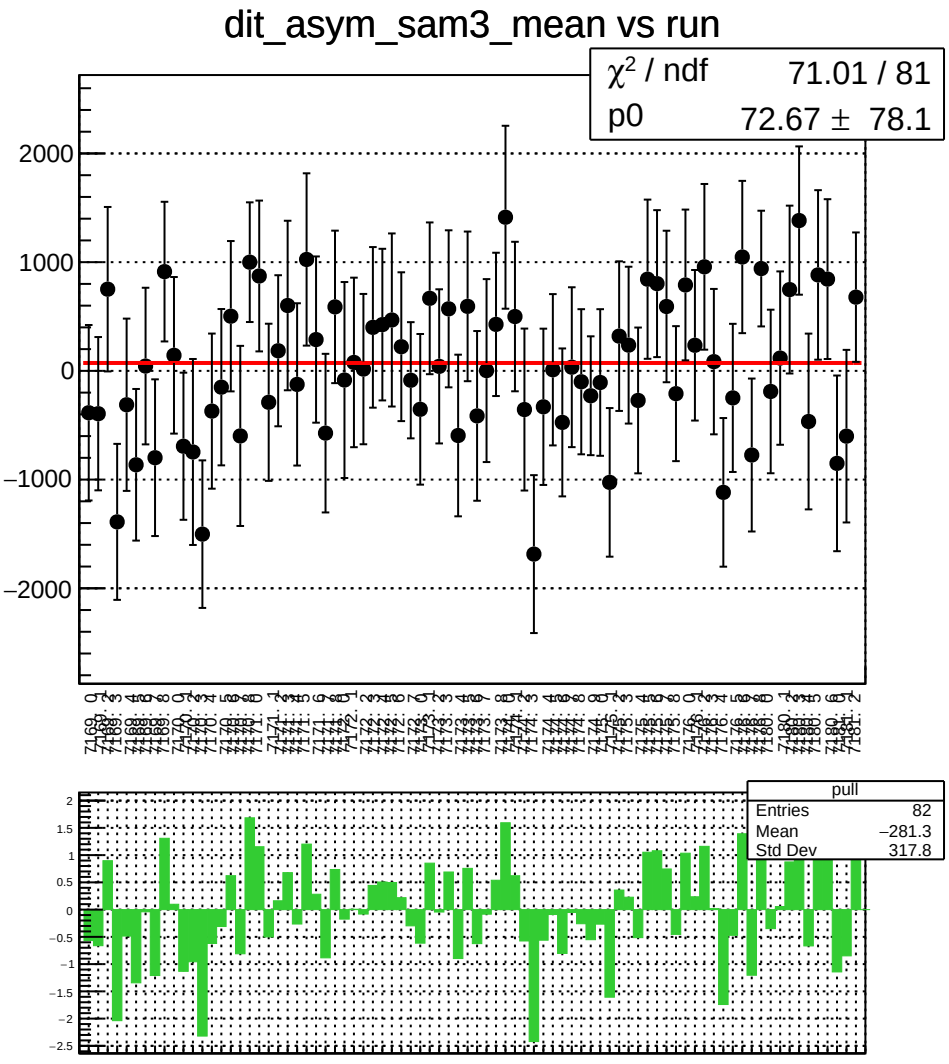

dit_asym_sam2_rms vs run
χ² / ndf 312.4 / 81
p0 265.3 ± 0.2118
275
270
265
260
255

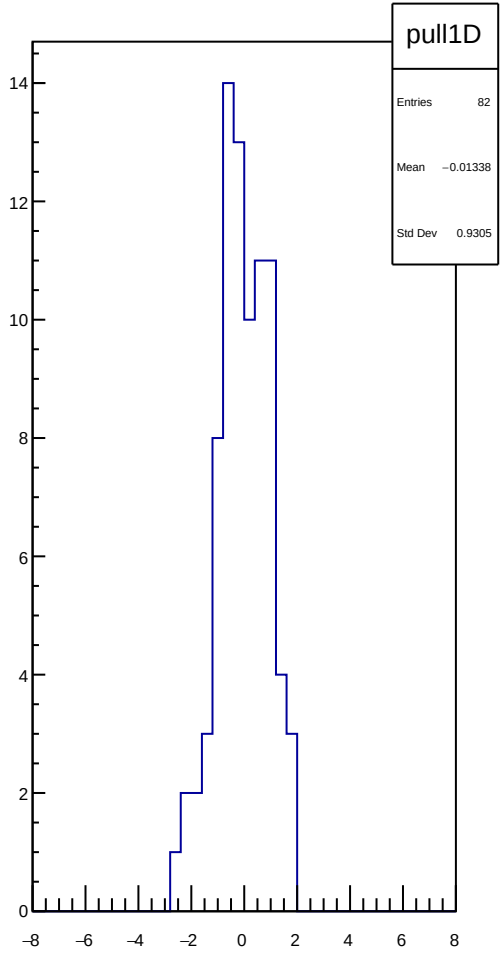

asym_sam2_correction_mean vs run
χ² / ndf 62.76 / 81
p0 −1633 ± 2297
pull
Entries 82
Mean 1789
Std Dev 1745
pull1D
Entries 82
Mean 0.001524
Std Dev 0.8749

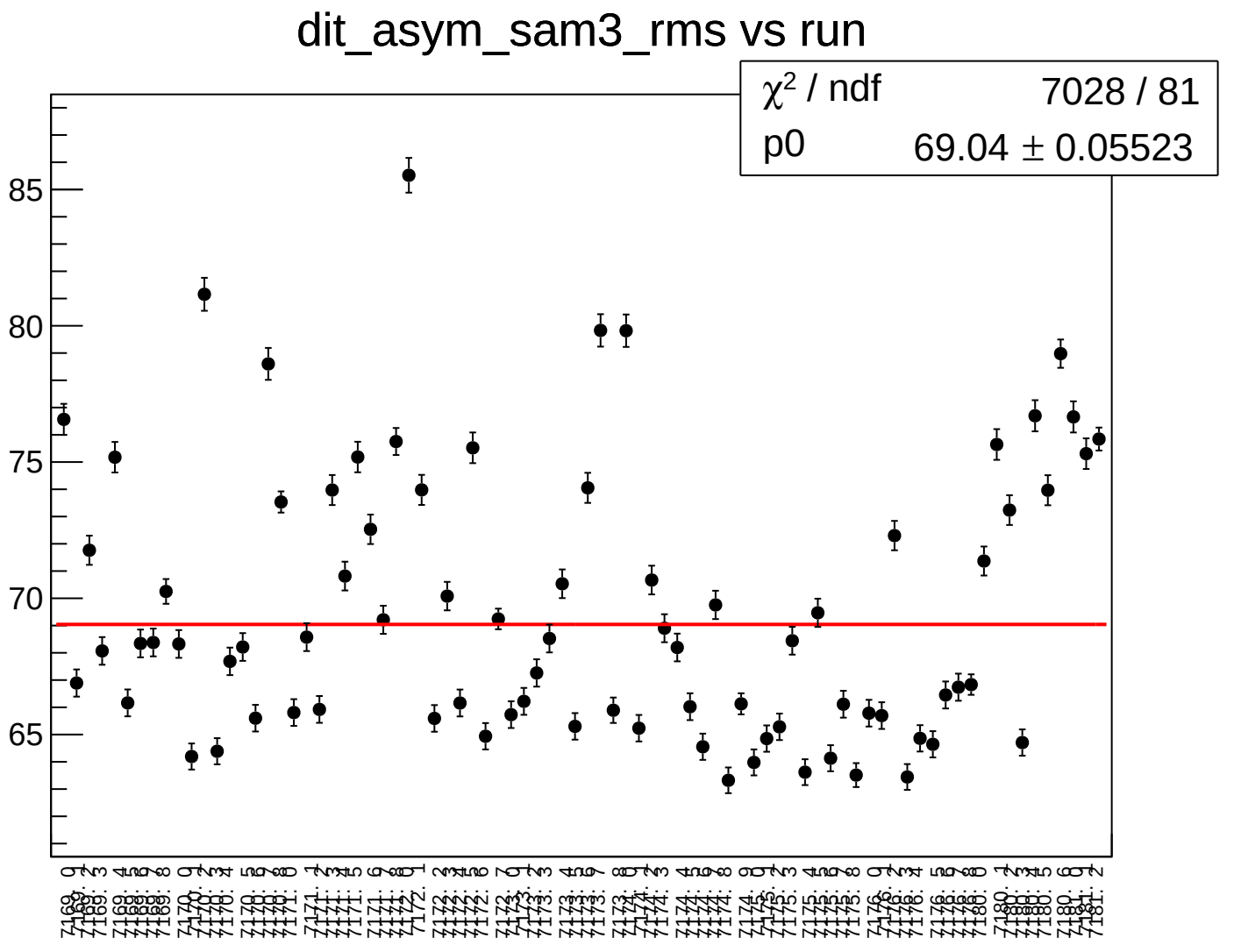

asym_sam2_correction_rms vs run
χ² / ndf 6907 / 81
p0 2030 ± 1.624
2500
2400
2300
2200
2100
2000
1900
1800

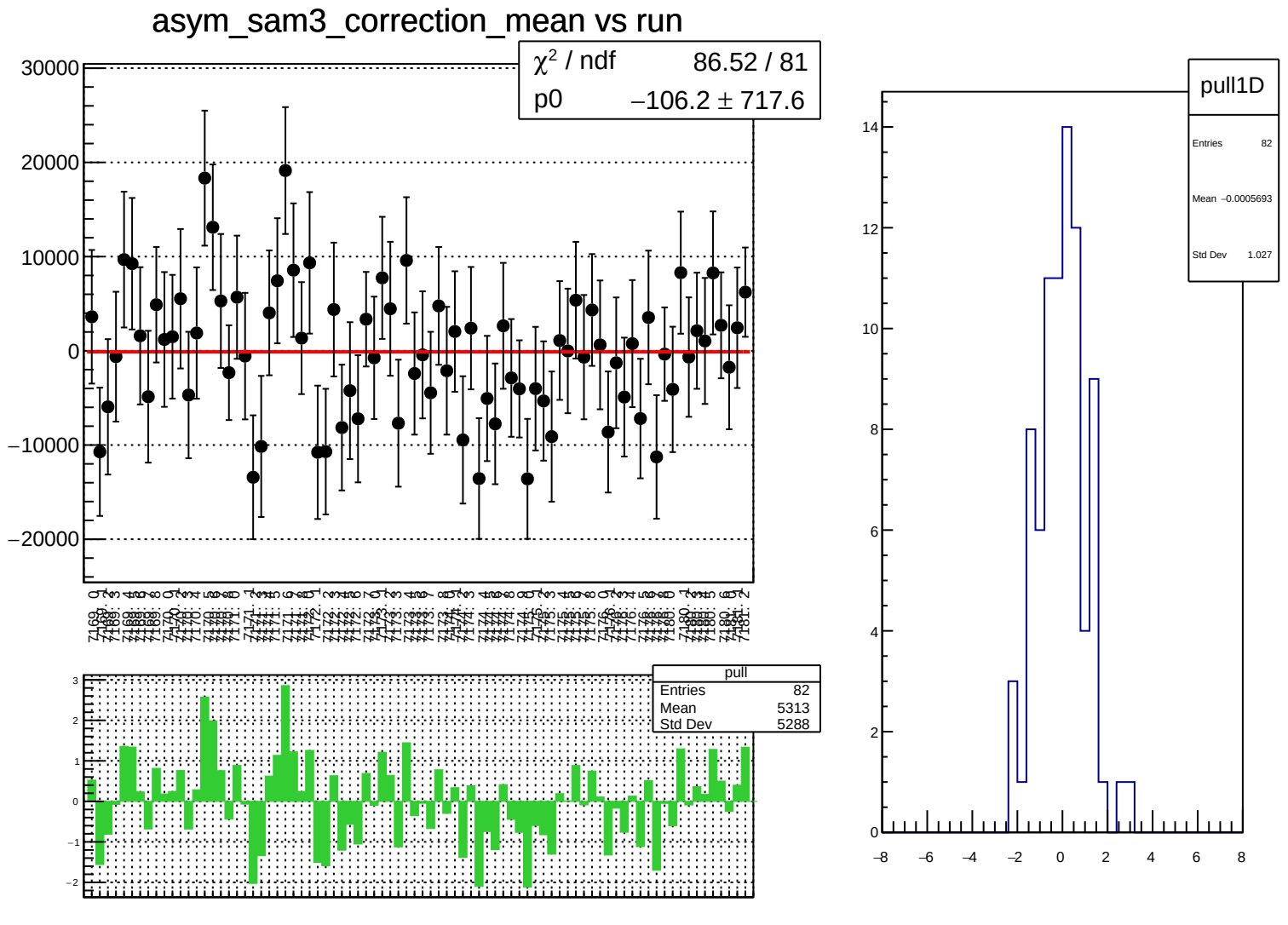

asym_sam2_mean vs run
χ² / ndf 63.22 / 81
p0 1260 ± 2275
pull
Entries 82
Mean 1358
Std Dev 1315
pull1D
Entries 82
Mean −0.002144
Std Dev 0.8781

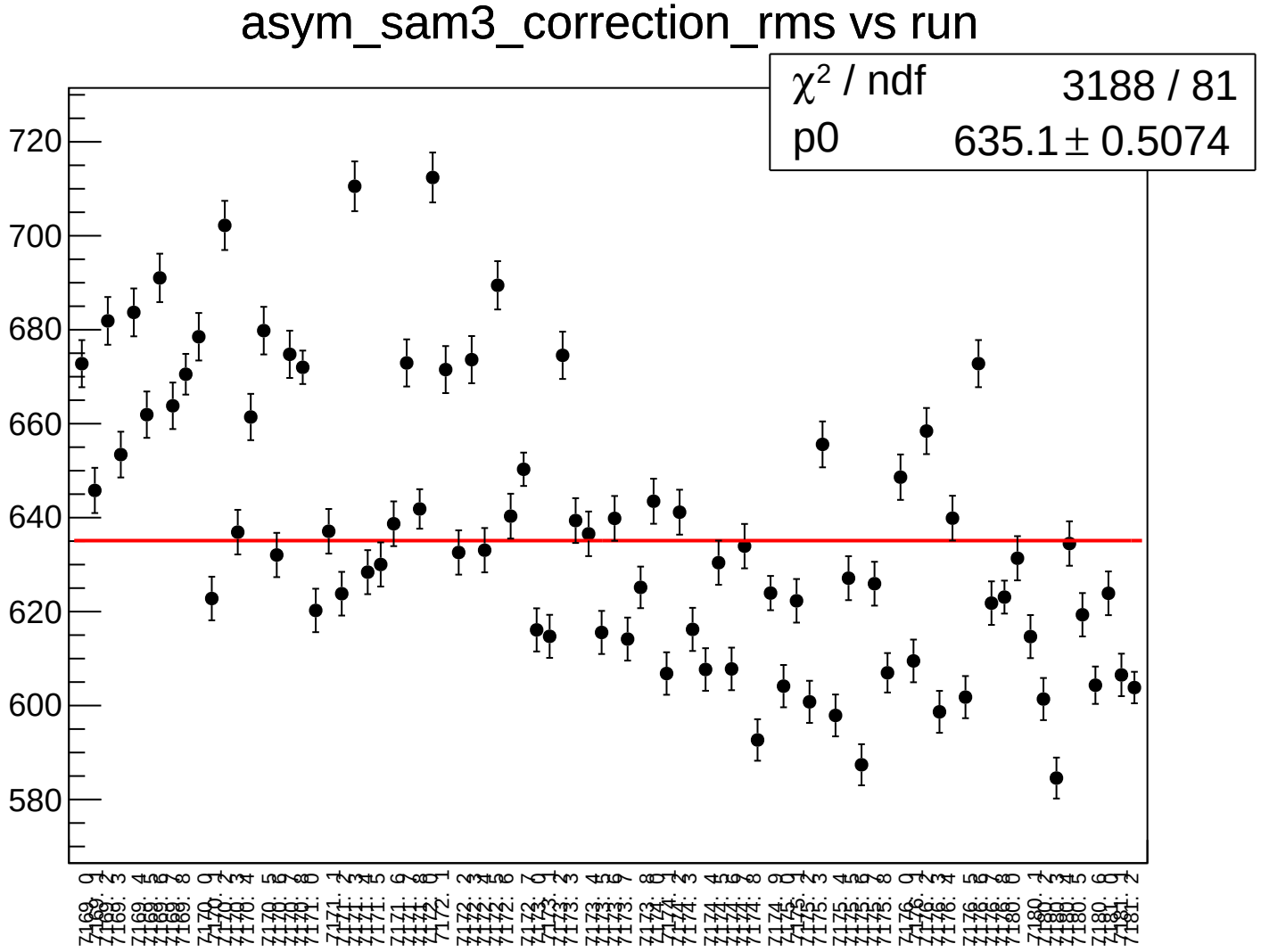

asym_sam2_rms vs run
χ2 / ndf 7320 / 81
p0 2010 ± 1.608
2500
2400
2300
2200
2100
2000
1900
1800

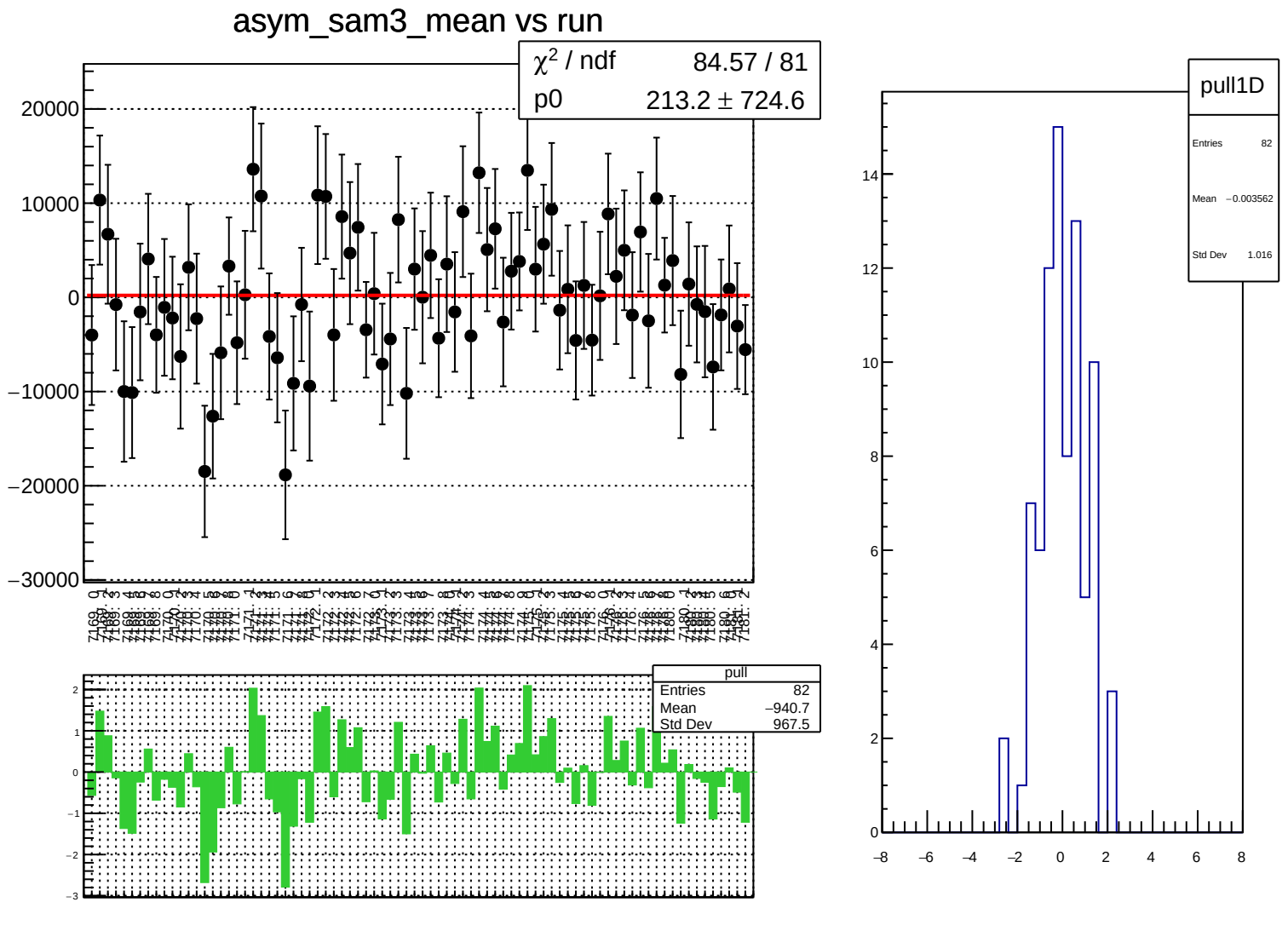

dit_asym_sam3_mean vs run
χ^2 / ndf 71.01 / 81
p0 72.67 ± 78.1
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −281.3
Std Dev 317.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

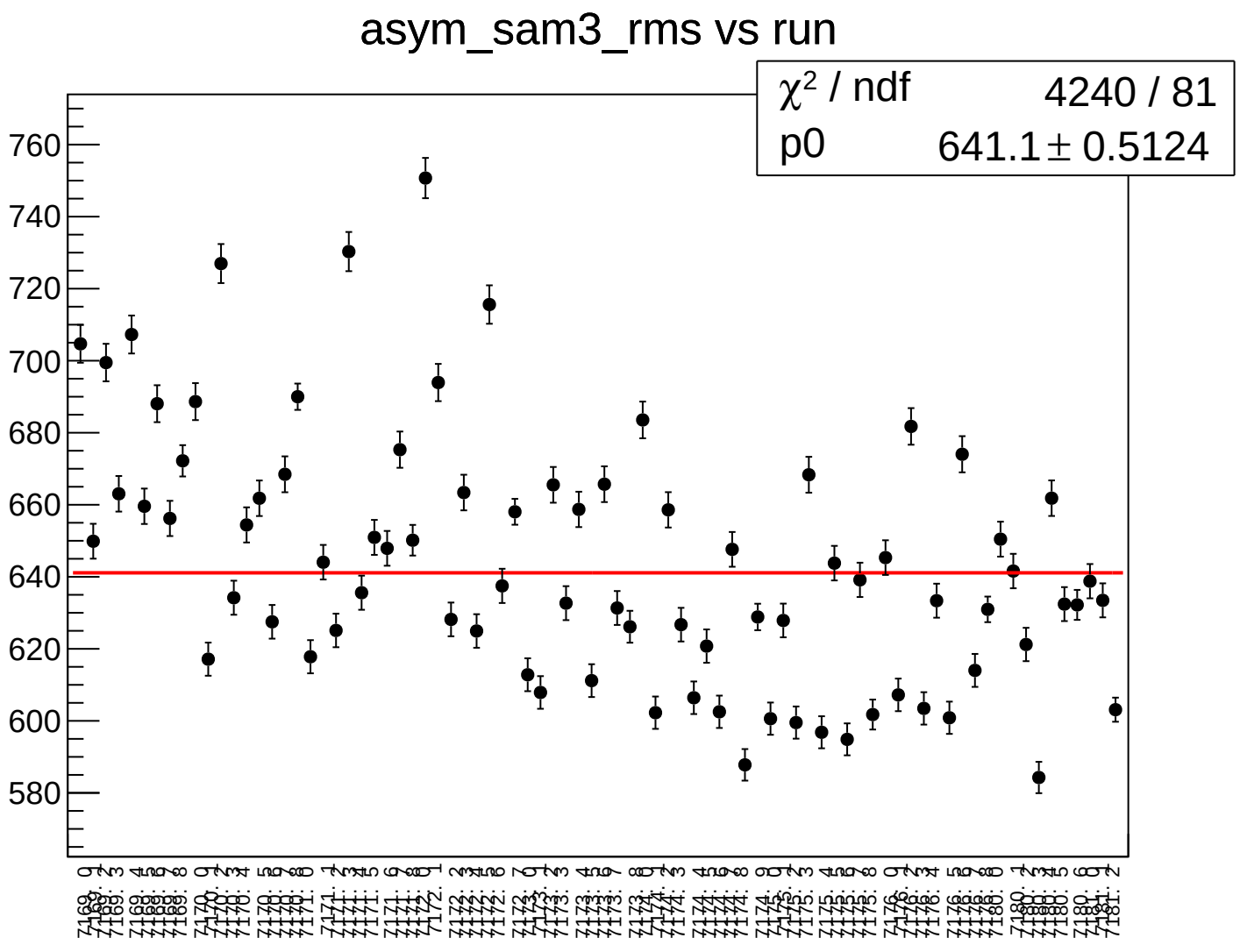

pull1D
Entries 82
Mean −0.01338
Std Dev 0.9305
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

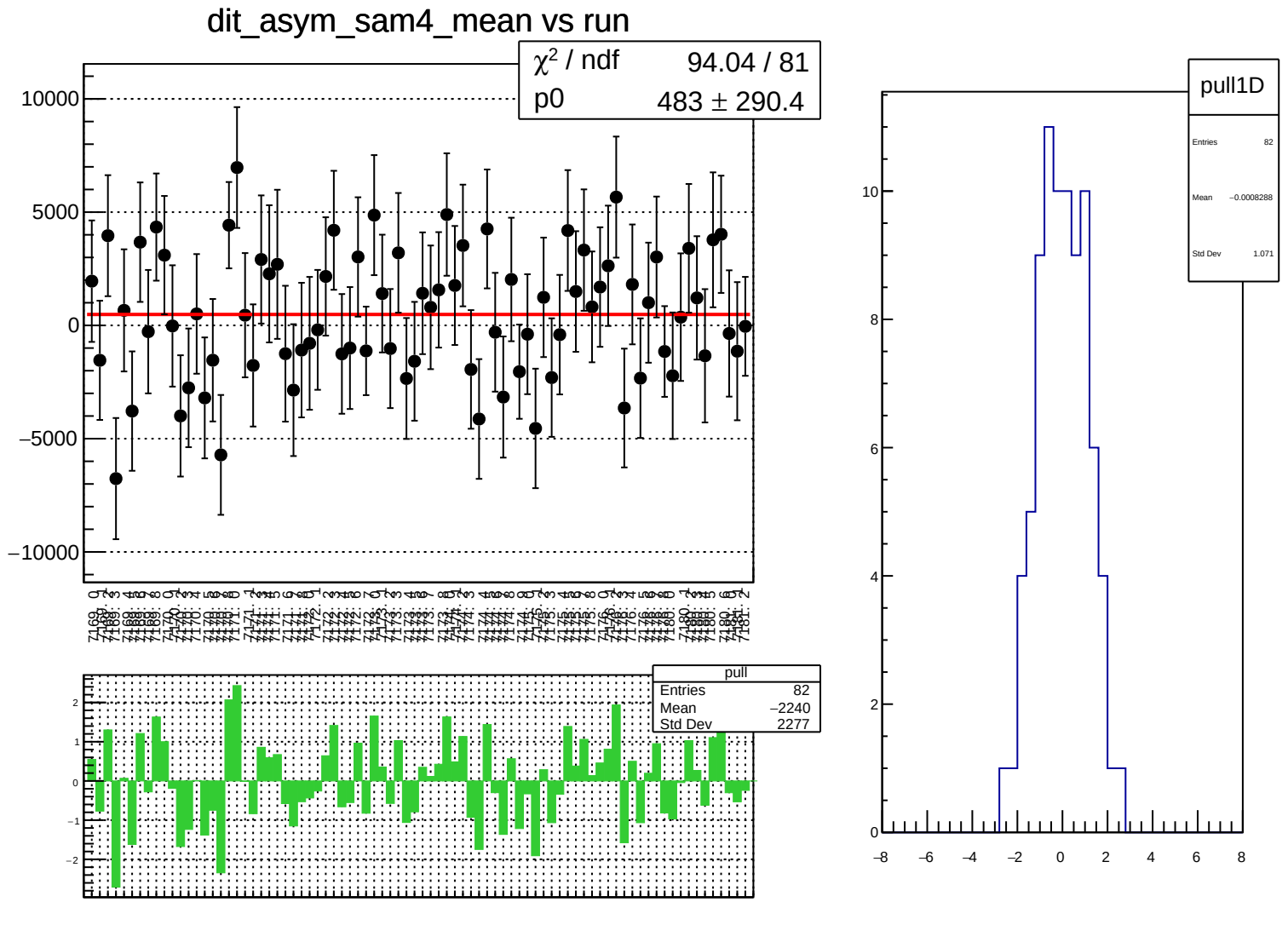

dit_asym_sam3_rms vs run
χ² / ndf 7028 / 81
p0 69.04 ± 0.05523
85
80
75
70
65

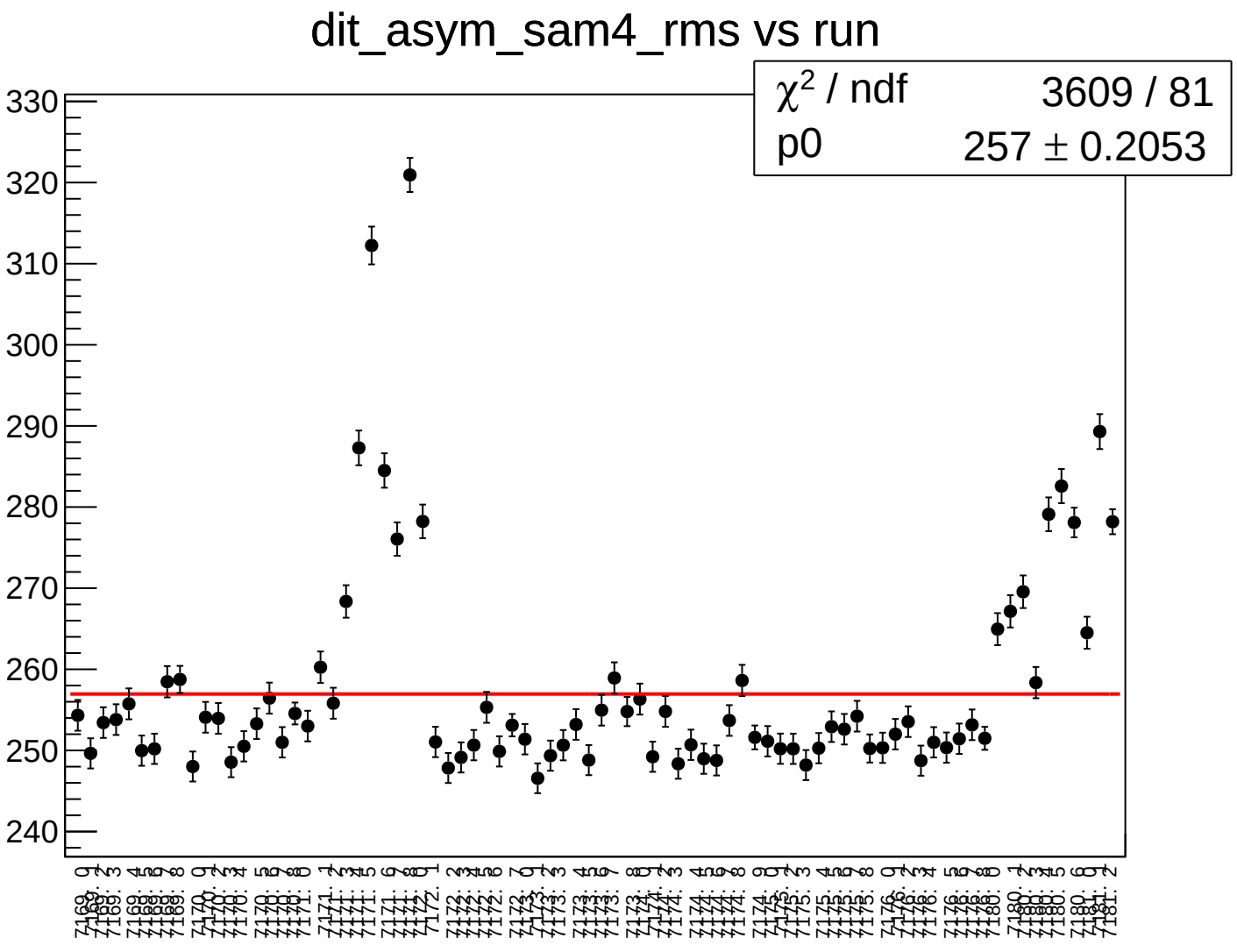

asym_sam3_correction_mean vs run
χ² / ndf 86.52 / 81
p0 −106.2 ± 717.6
30000
20000
10000
0
−10000
−20000
pull
Entries 82
Mean 5313
Std Dev 5288
pull1D
Entries 82
Mean −0.0005693
Std Dev 1.027

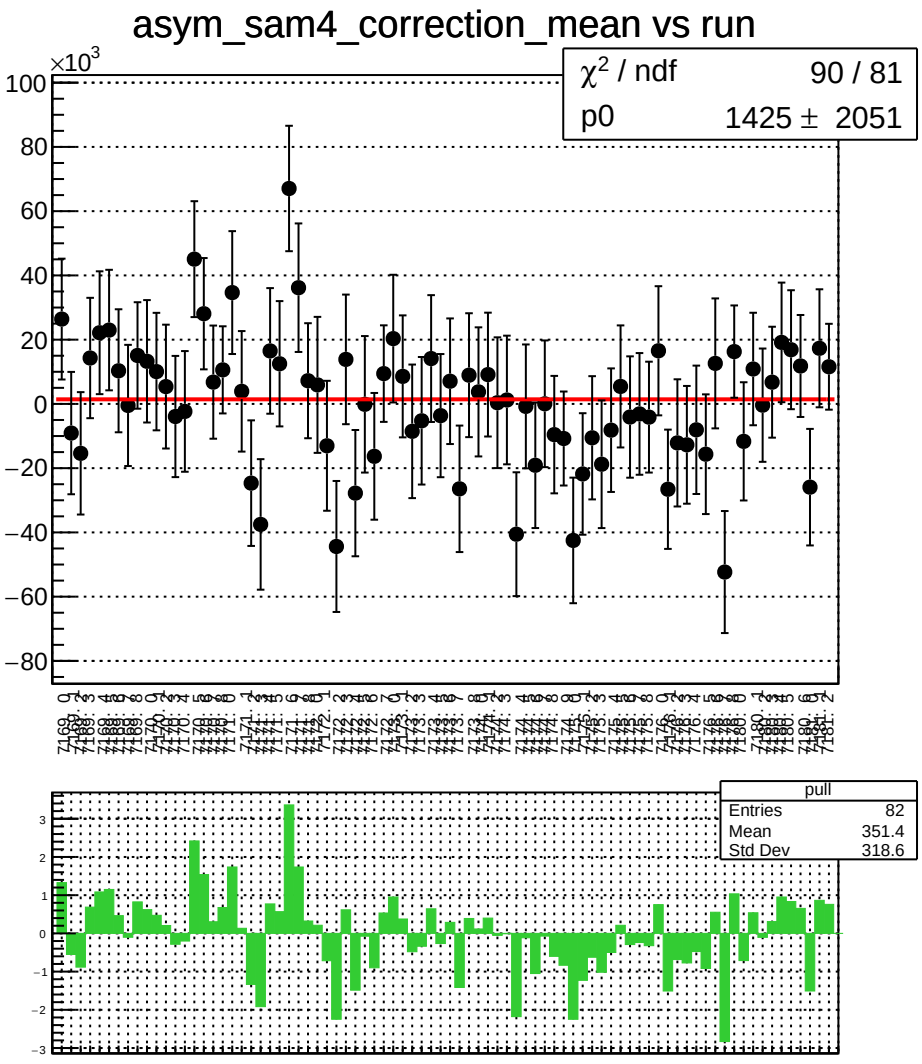

asym_sam3_correction_rms vs run
χ² / ndf 3188 / 81
p0 635.1 ± 0.5074
720
700
680
660
640
620
600
580

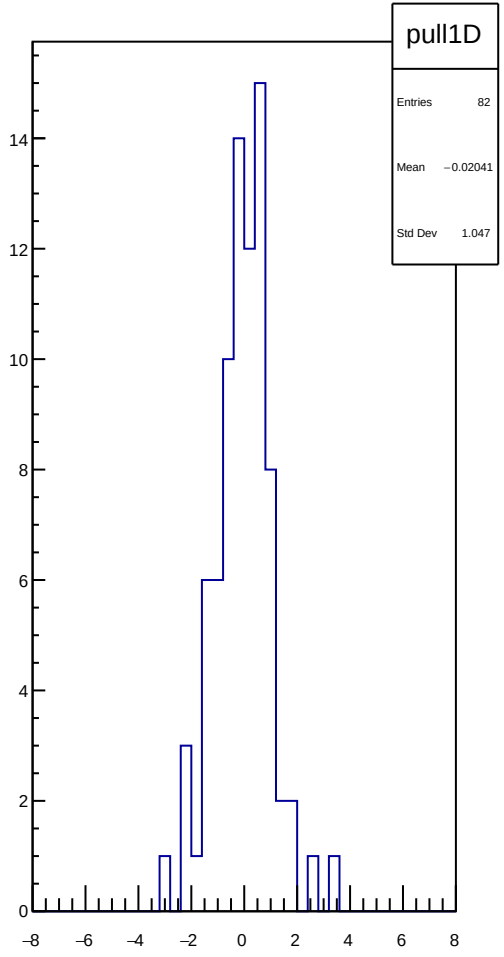

asym_sam3_mean vs run
χ² / ndf 84.57 / 81
p0 213.2 ± 724.6
pull
Entries 82
Mean −940.7
Std Dev 967.5
pull1D
Entries 82
Mean −0.003562
Std Dev 1.016

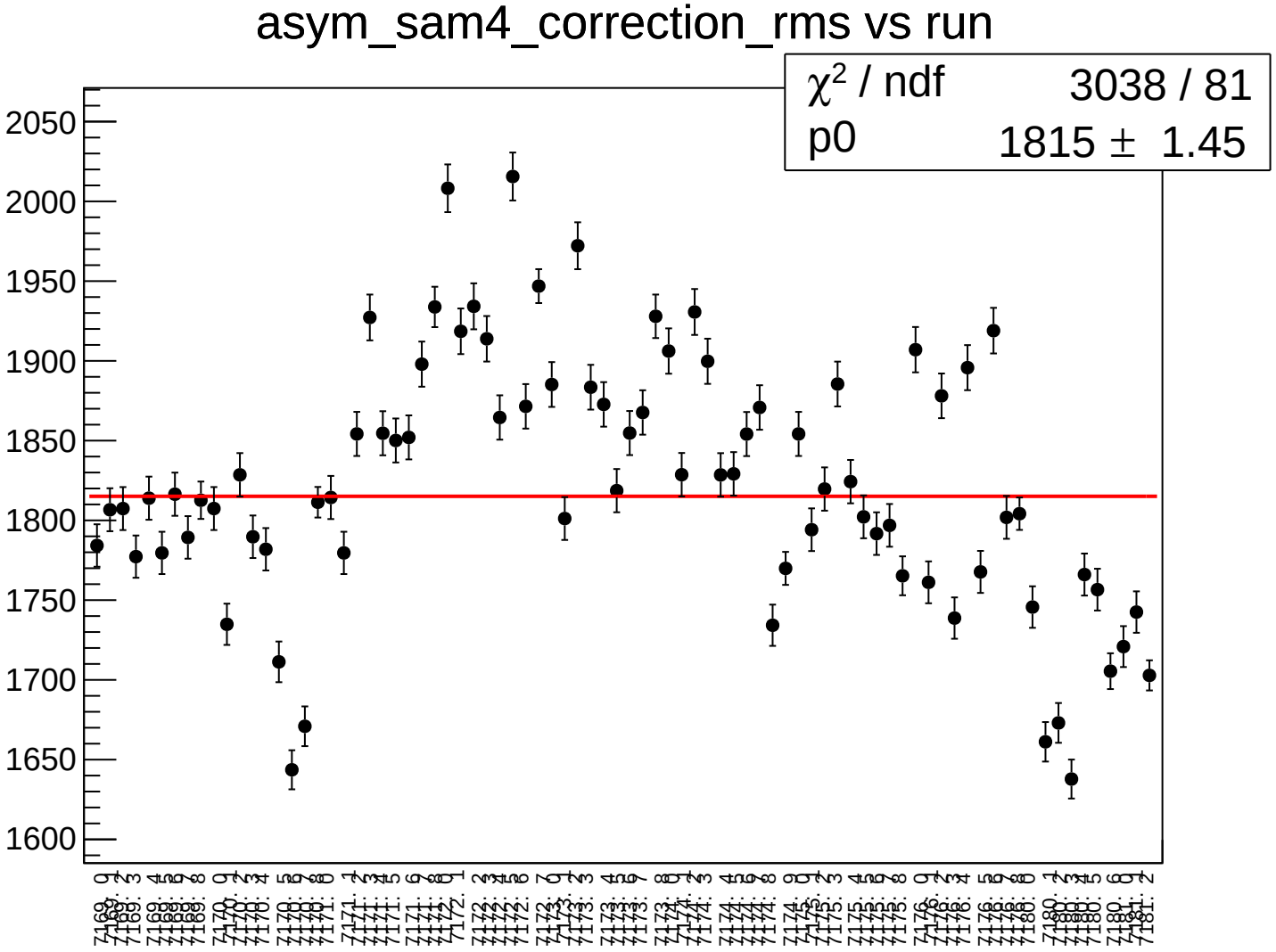

asym_sam3_rms vs run
χ² / ndf 4240 / 81
p0 641.1 ± 0.5124
760
740
720
700
680
660
640
620
600
580

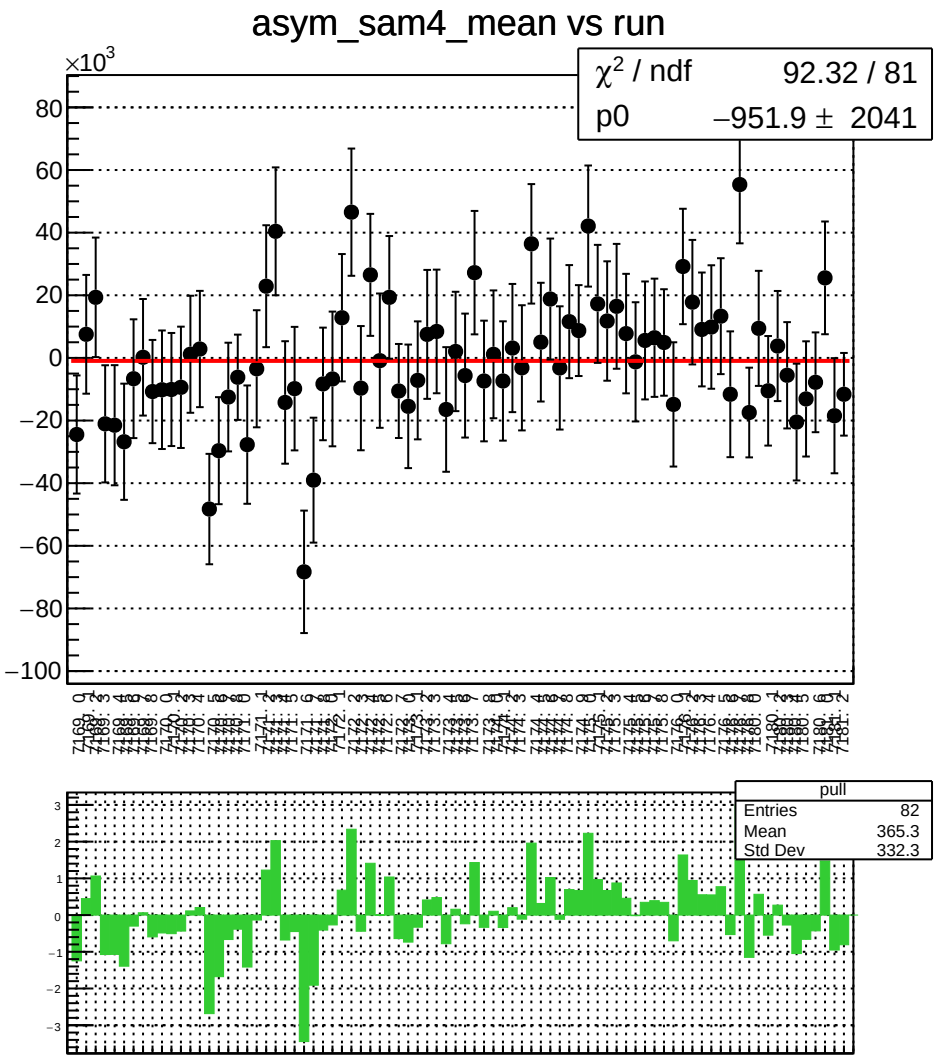

dit_asym_sam4_mean vs run
χ² / ndf 94.04 / 81
p0 483 ± 290.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −2240
Std Dev 2277
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.0008288
Std Dev 1.071
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

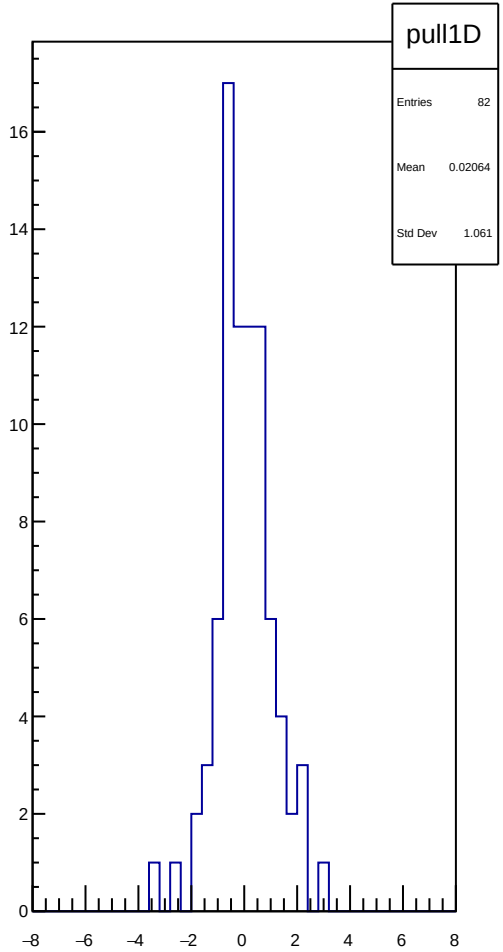

dit_asym_sam4_rms vs run
χ² / ndf 3609 / 81
p0 257 ± 0.2053
330
320
310
300
290
280
270
260
250
240

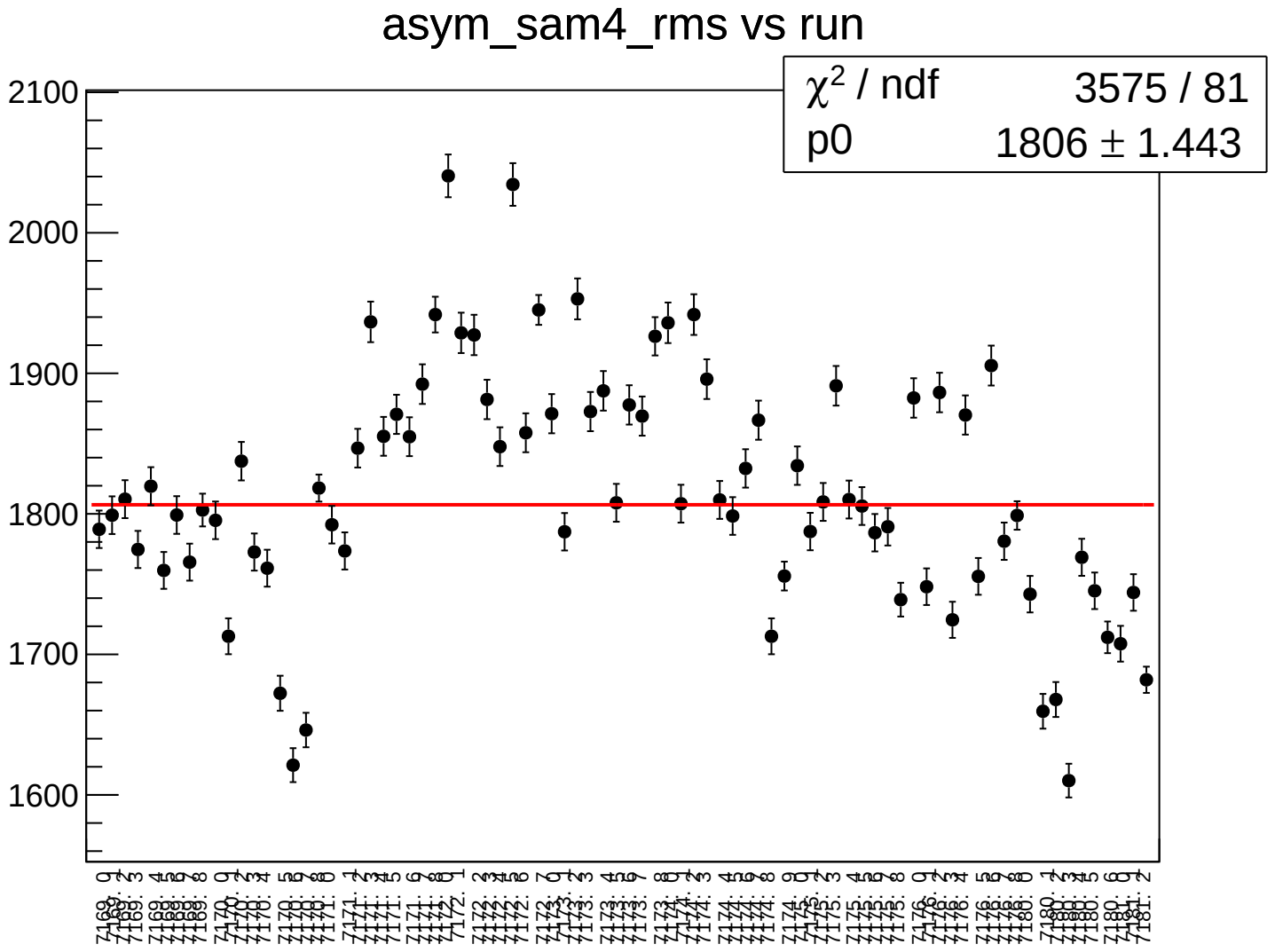

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 90 / 81
p0 1425 ± 2051
pull
Entries 82
Mean 351.4
Std Dev 318.6

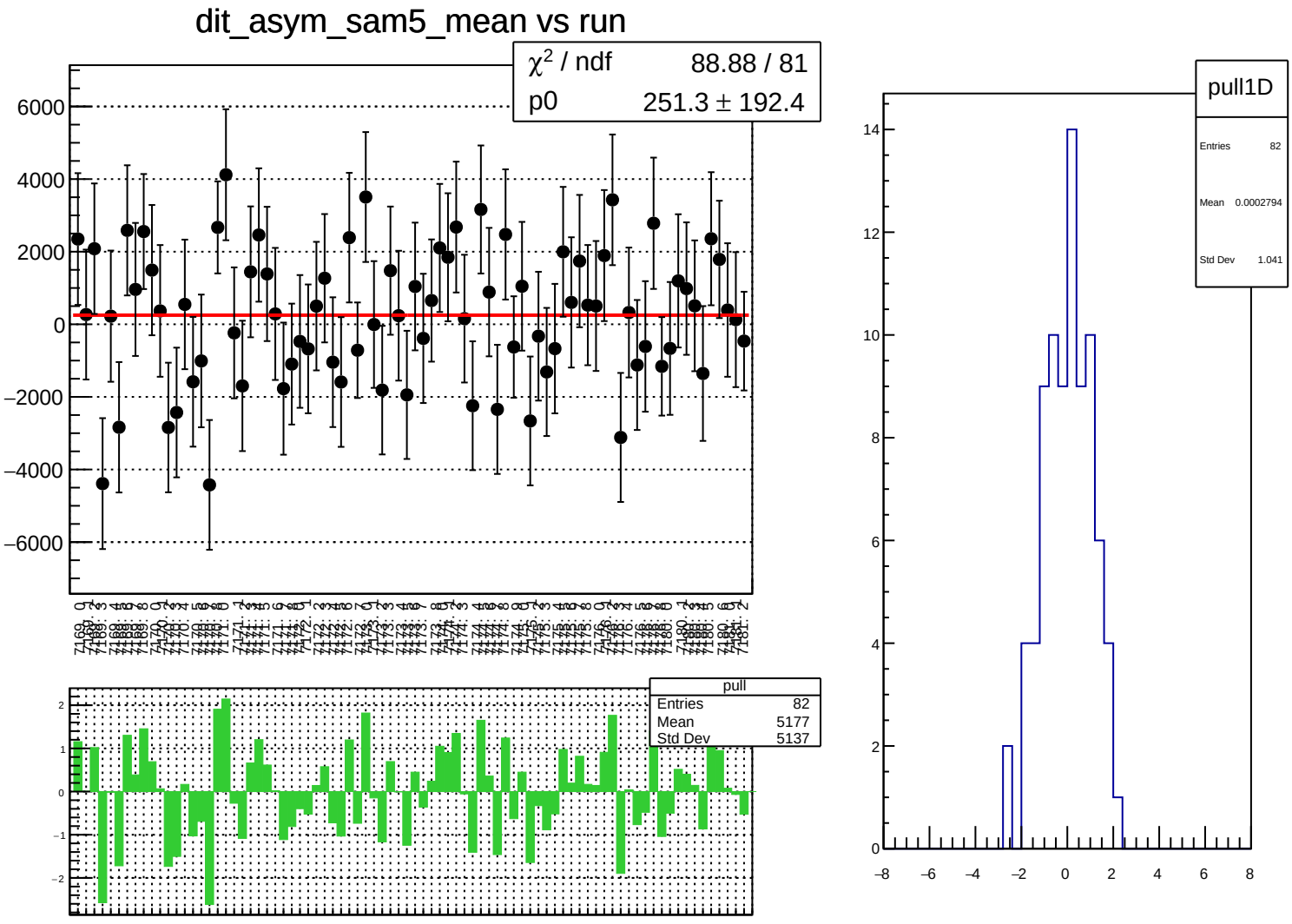

pull1D
Entries 82
Mean −0.02041
Std Dev 1.047

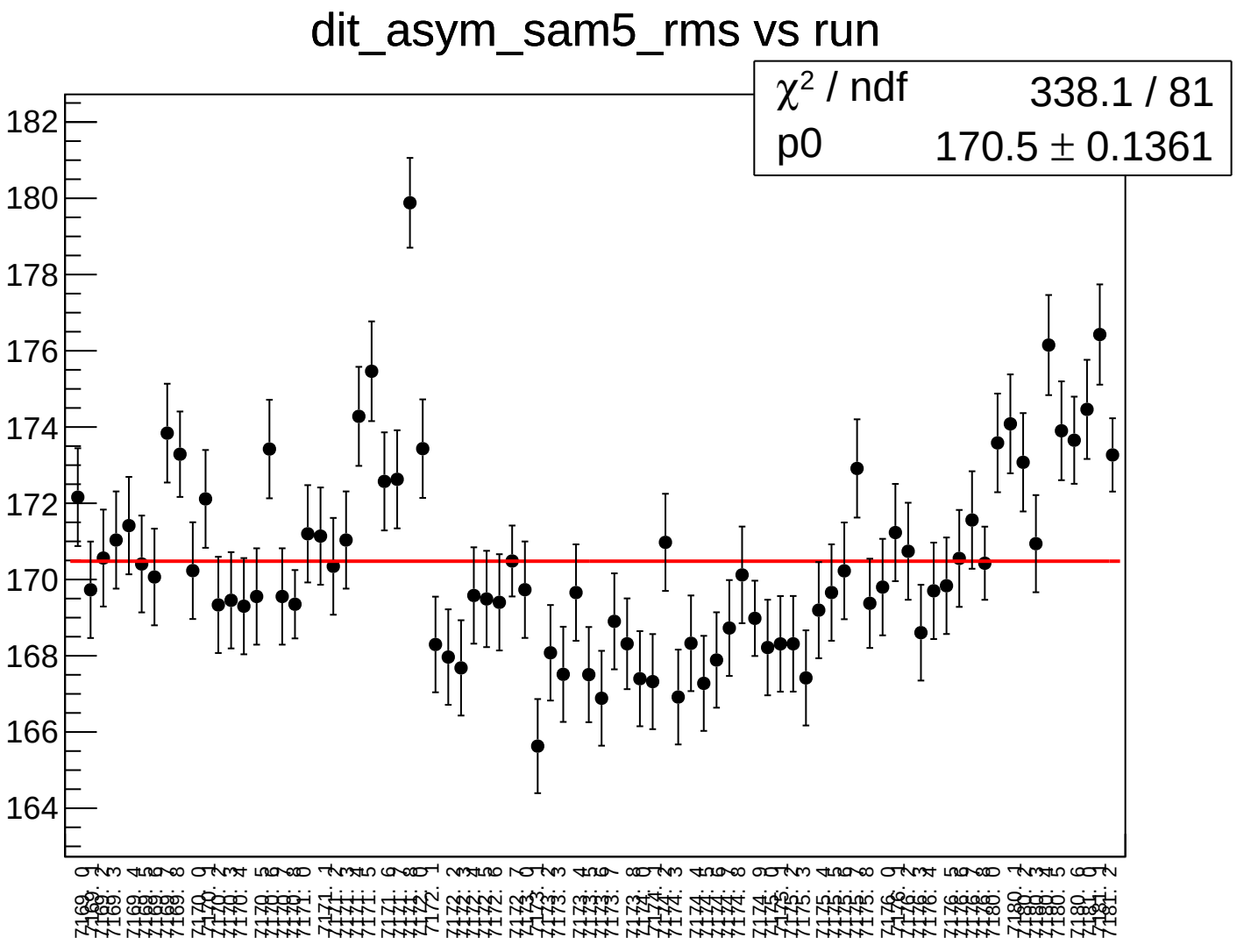

asym_sam4_correction_rms vs run
χ² / ndf 3038 / 81
p0 1815 ± 1.45
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

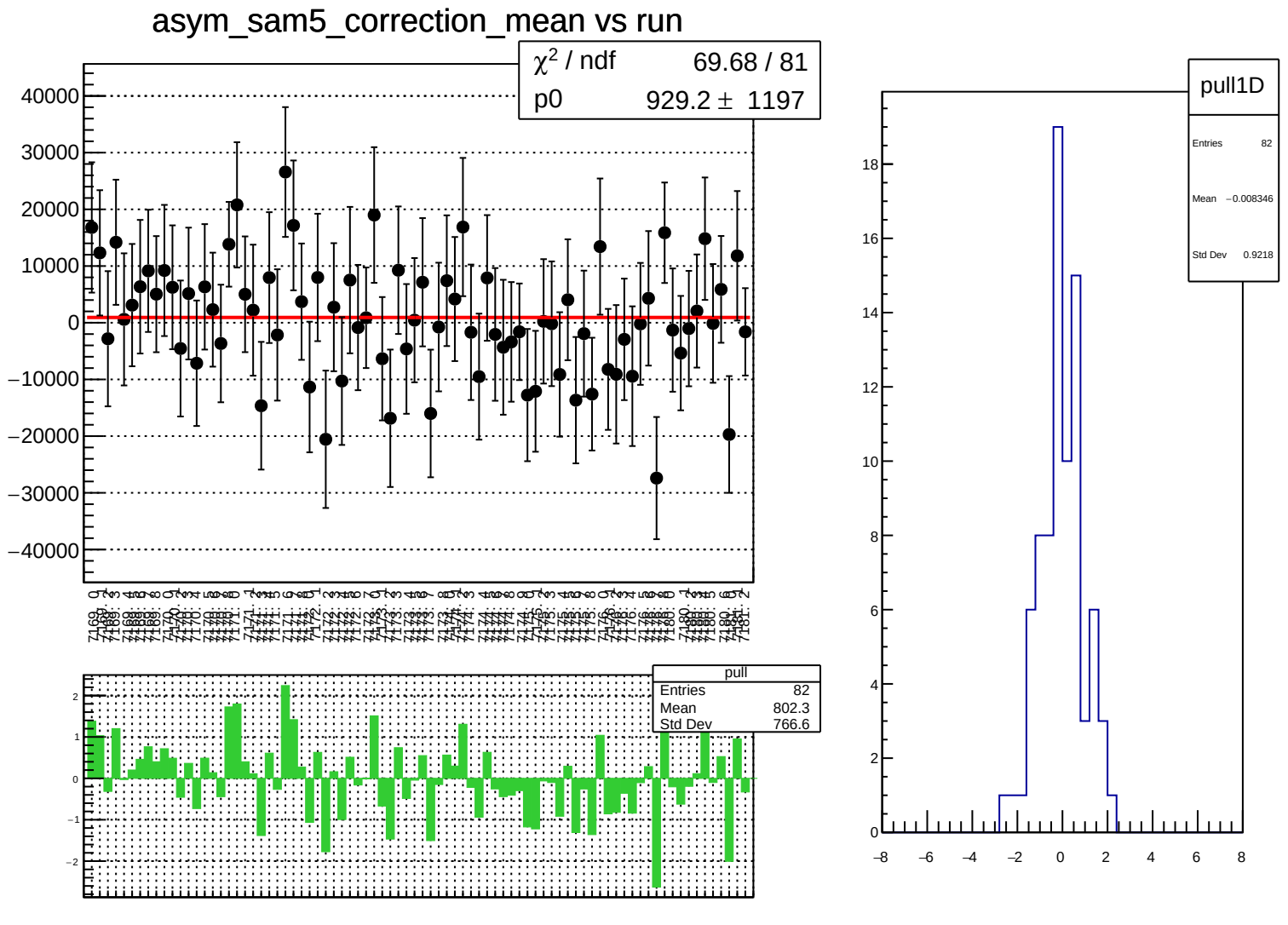

asym_sam4_mean vs run
×10^3
χ² / ndf 92.32 / 81
p0 −951.9 ± 2041
pull
Entries 82
Mean 365.3
Std Dev 332.3

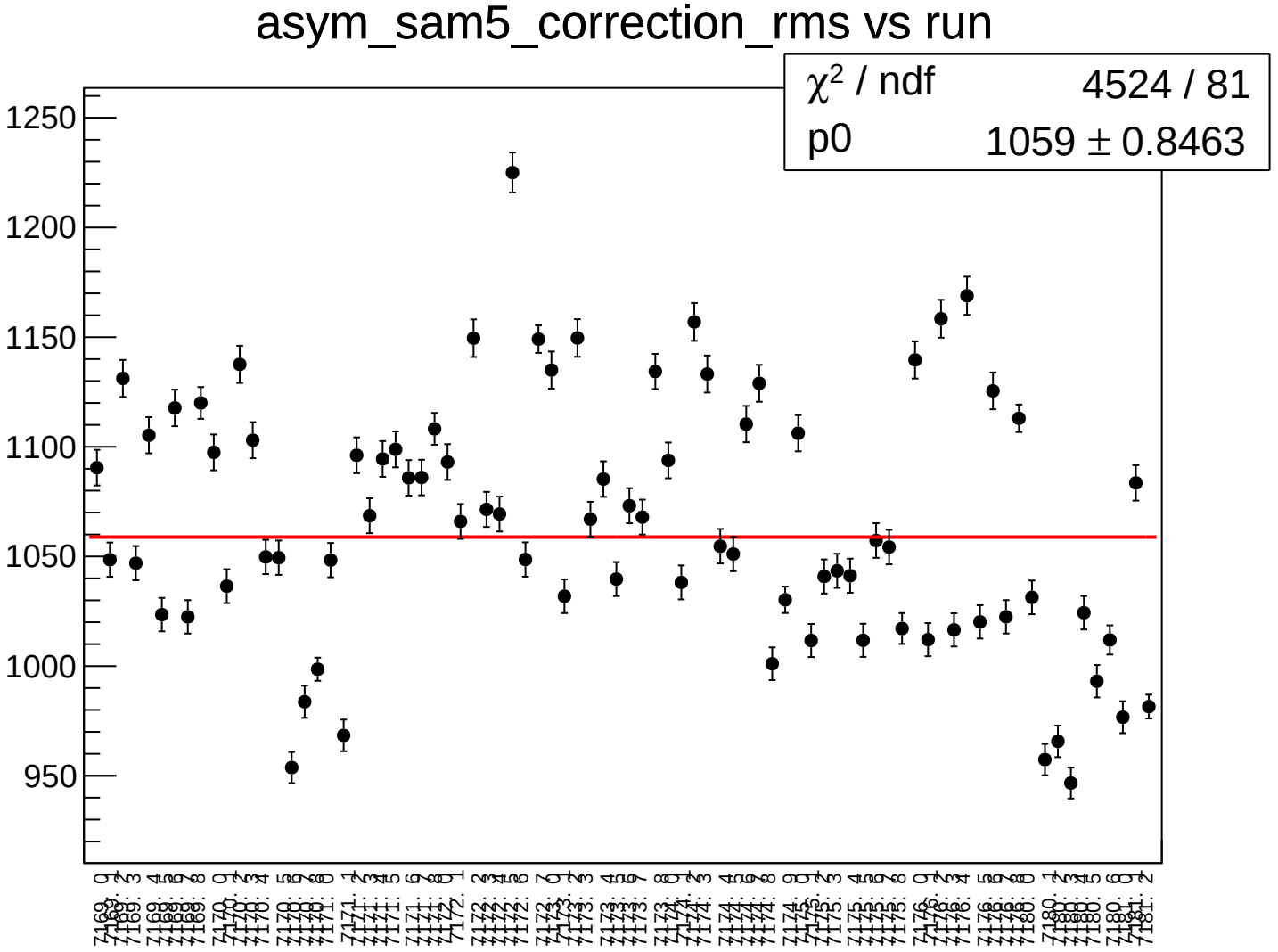

pull1D
Entries 82
Mean 0.02064
Std Dev 1.061

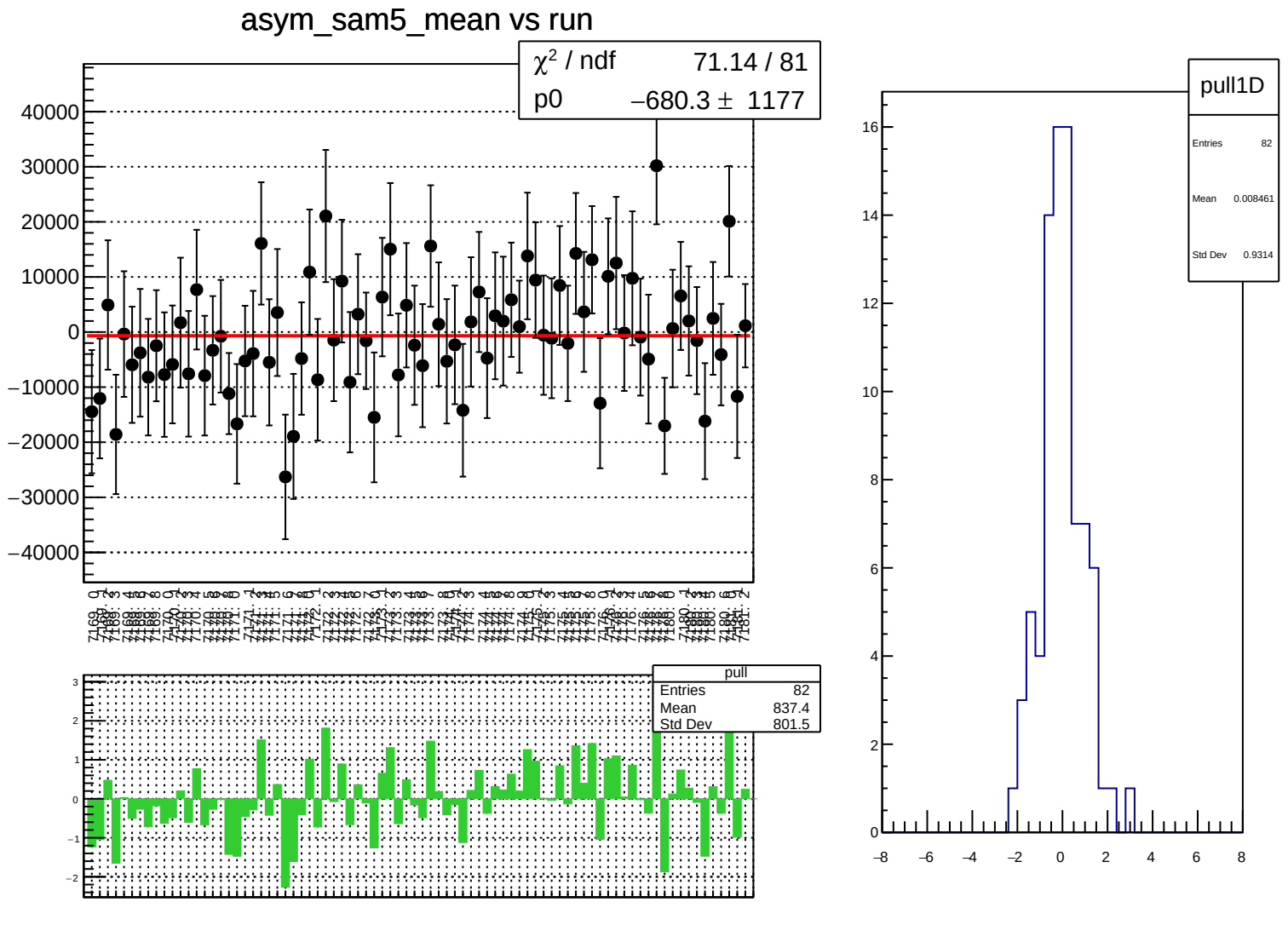

asym_sam4_rms vs run
χ^2 / ndf 3575 / 81
p0 1806 ± 1.443
2100
2000
1900
1800
1700
1600

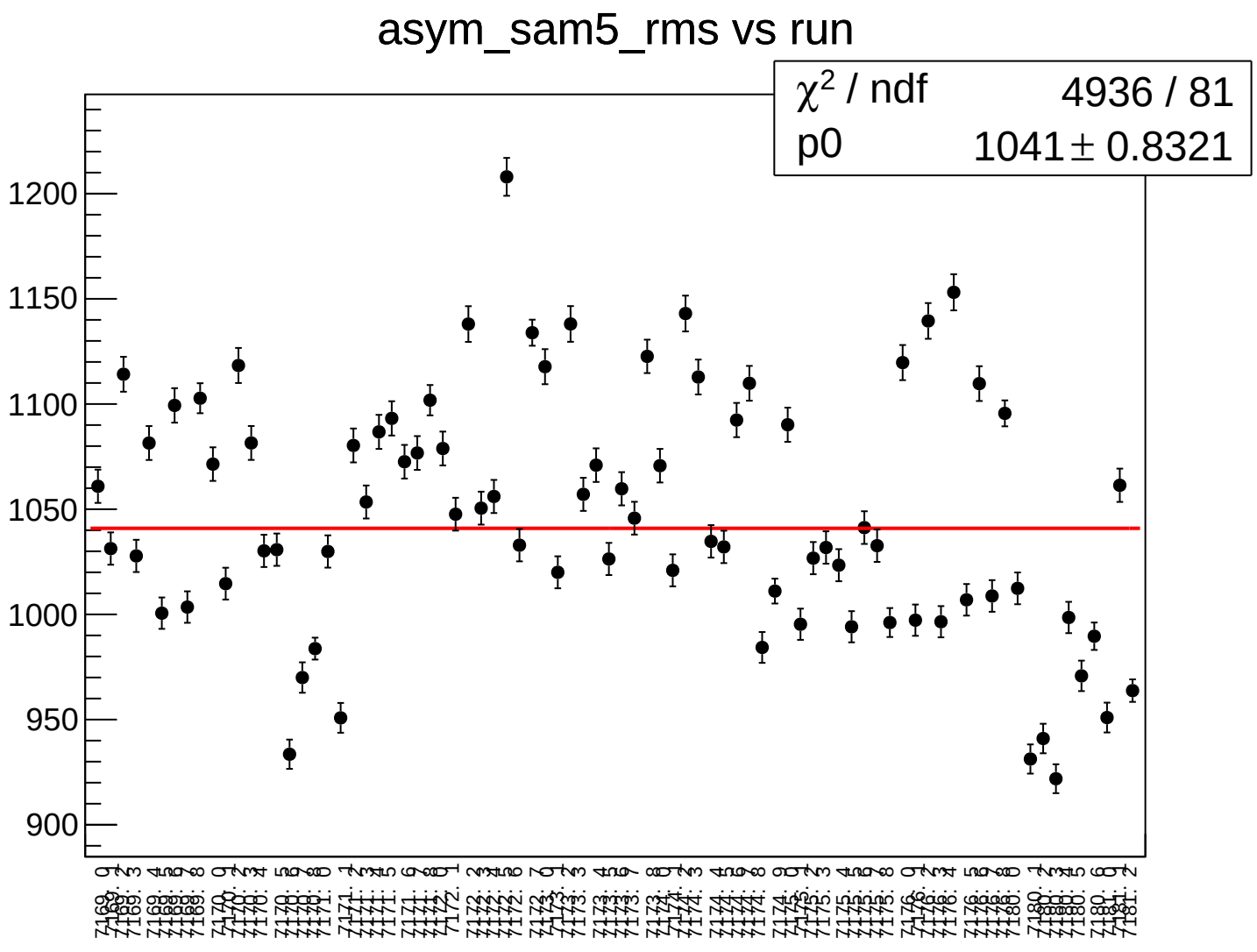

dit_asym_sam5_mean vs run
χ² / ndf 88.88 / 81
p0 251.3 ± 192.4
pull
Entries 82
Mean 5177
Std Dev 5137
pull1D
Entries 82
Mean 0.0002794
Std Dev 1.041

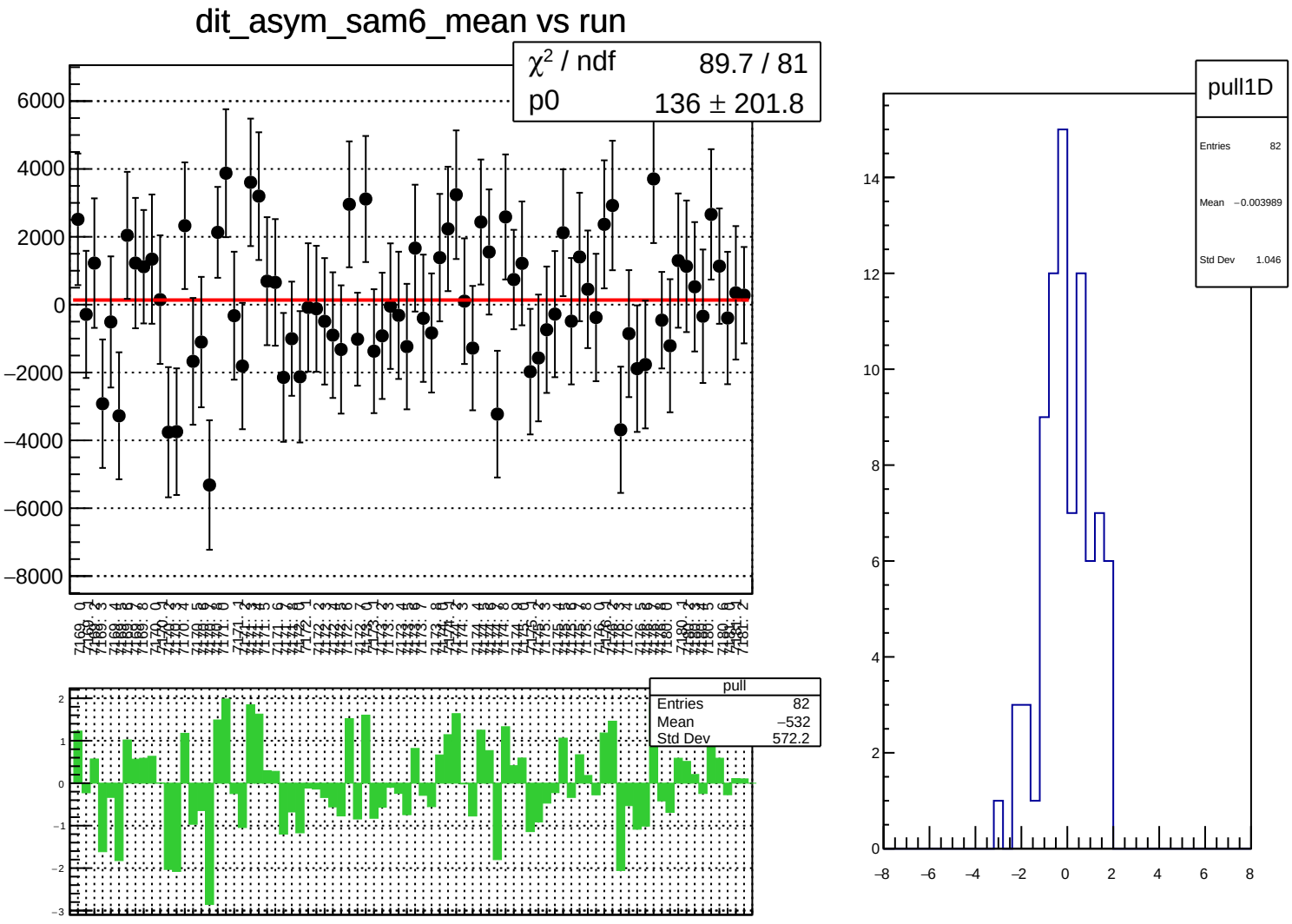

dit_asym_sam5_rms vs run
χ² / ndf 338.1 / 81
p0 170.5 ± 0.1361
182
180
178
176
174
172
170
168
166
164

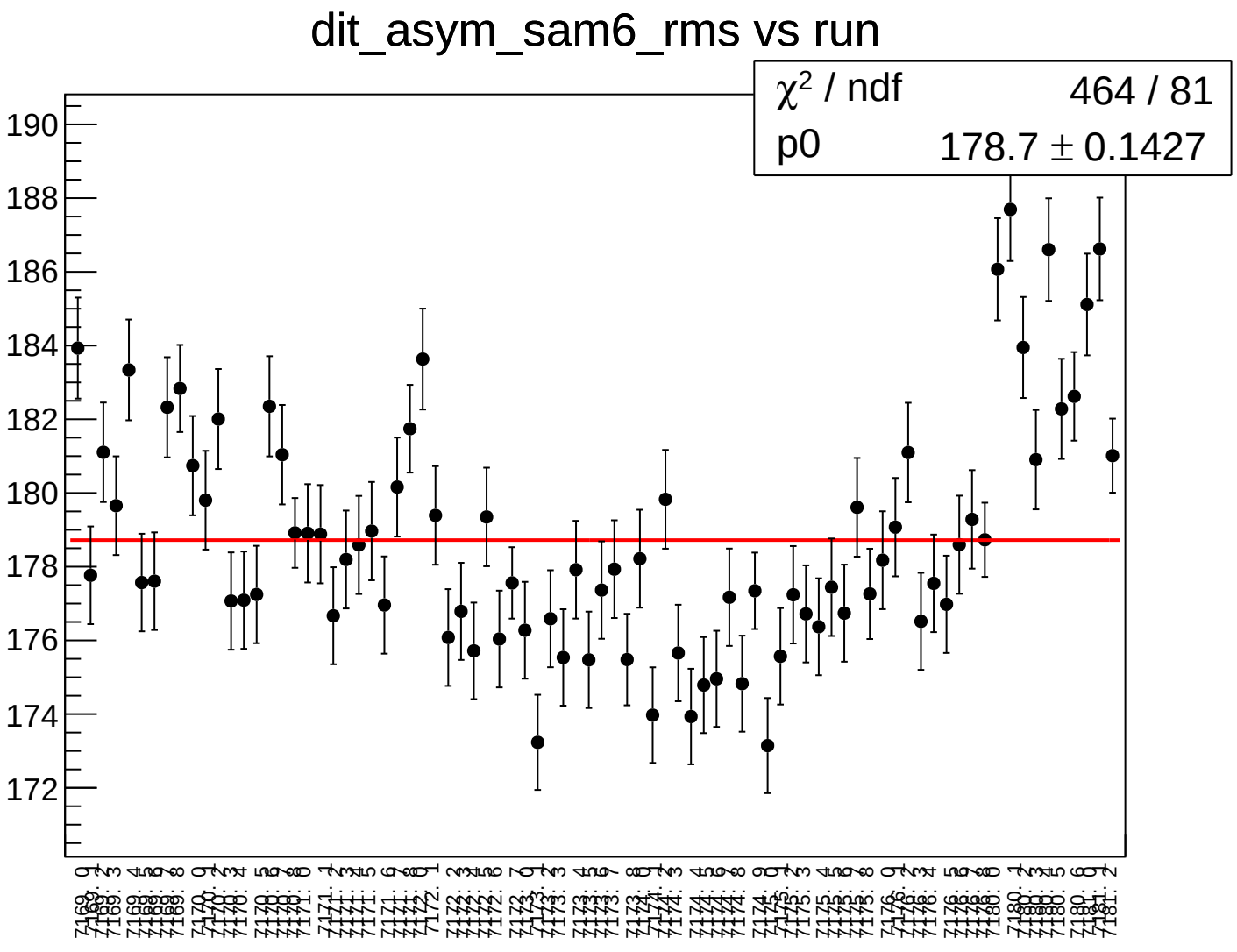

asym_sam5_correction_mean vs run
χ^2 / ndf 69.68 / 81
p0 929.2 ± 1197
pull
Entries 82
Mean 802.3
Std Dev 766.6
pull1D
Entries 82
Mean −0.008346
Std Dev 0.9218

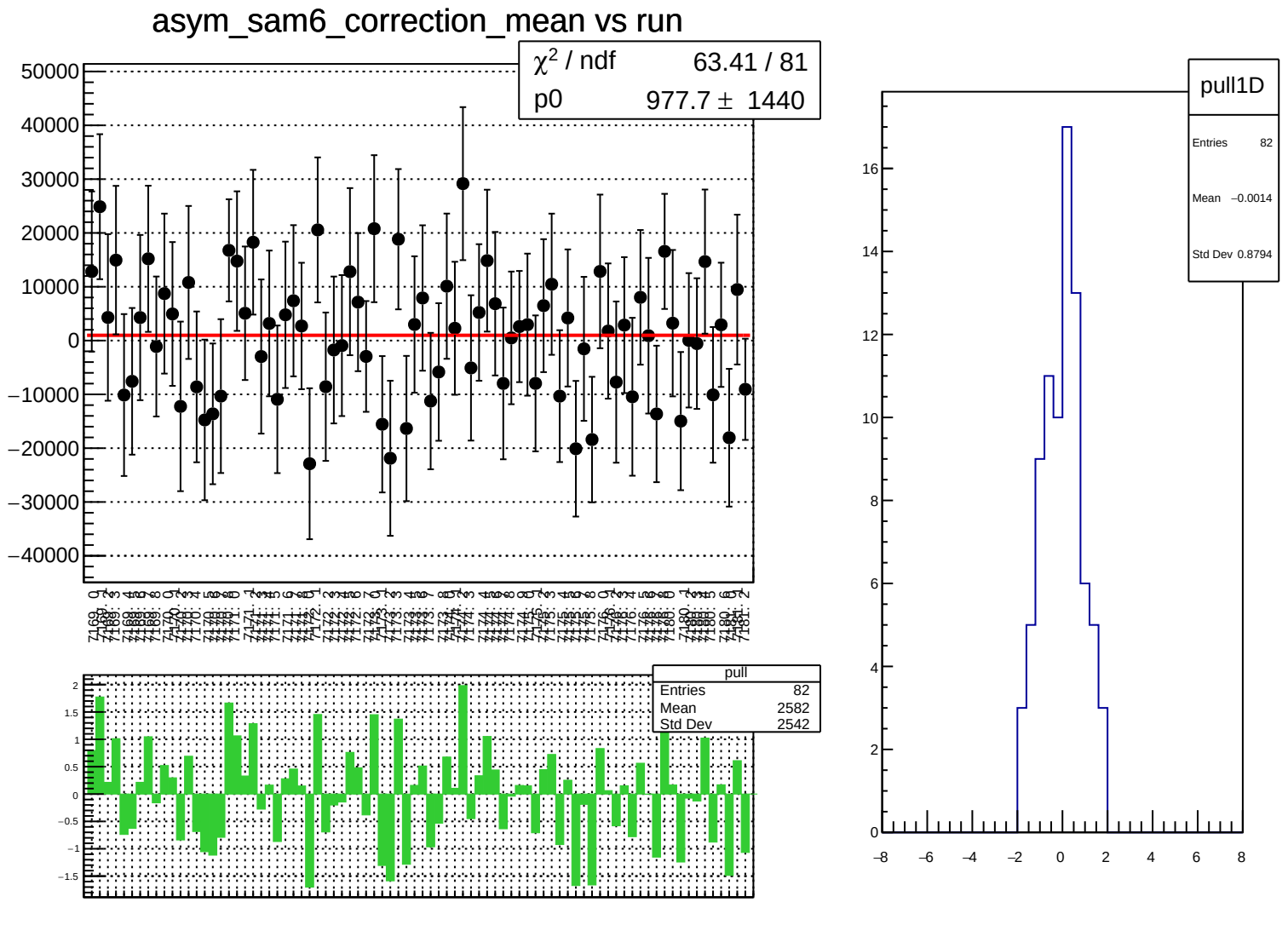

asym_sam5_correction_rms vs run
χ² / ndf 4524 / 81
p0 1059 ± 0.8463
1250
1200
1150
1100
1050
1000
950

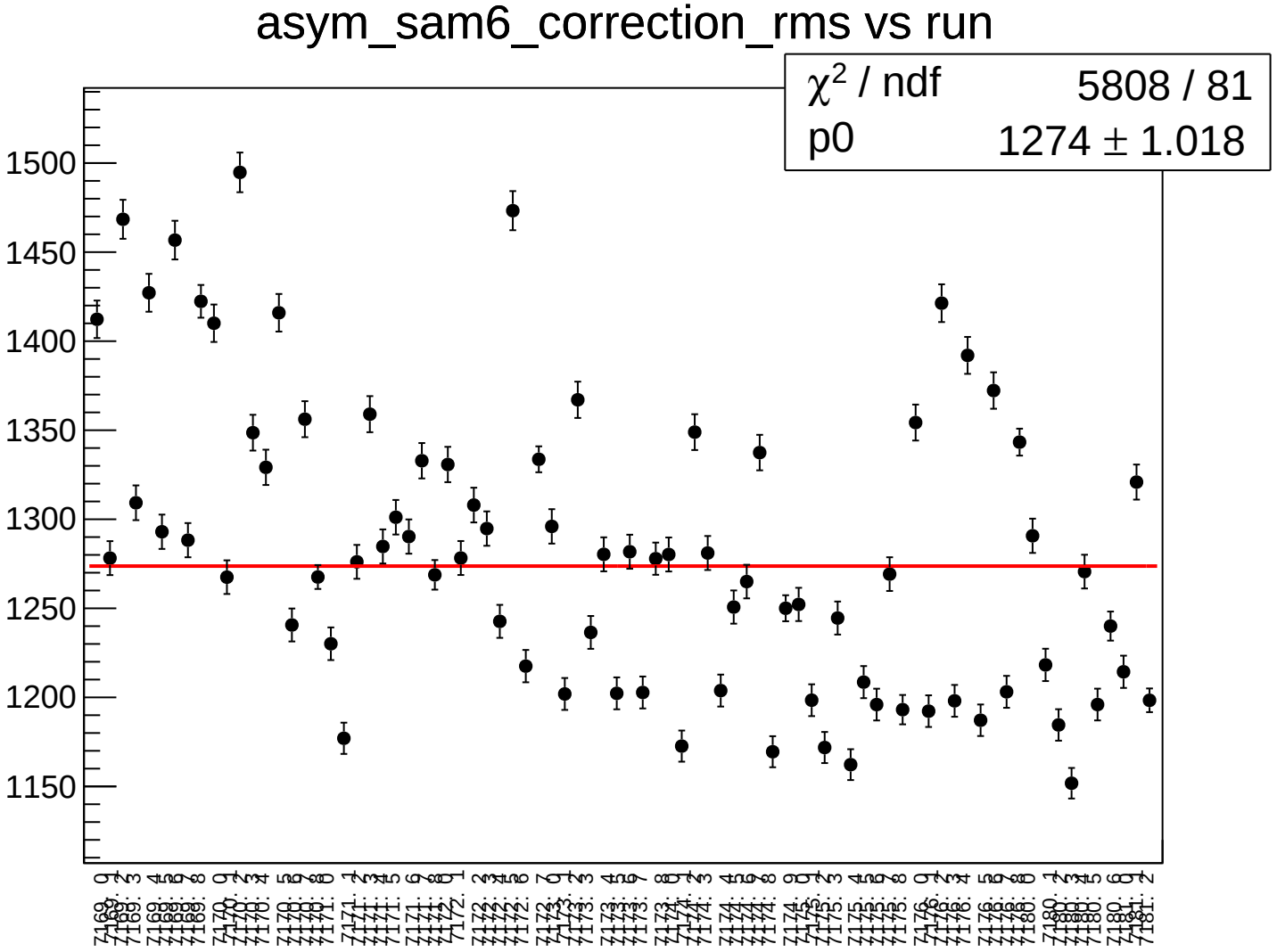

asym_sam5_mean vs run
χ² / ndf 71.14 / 81
p0 −680.3 ± 1177
pull
Entries 82
Mean 837.4
Std Dev 801.5
pull1D
Entries 82
Mean 0.008461
Std Dev 0.9314

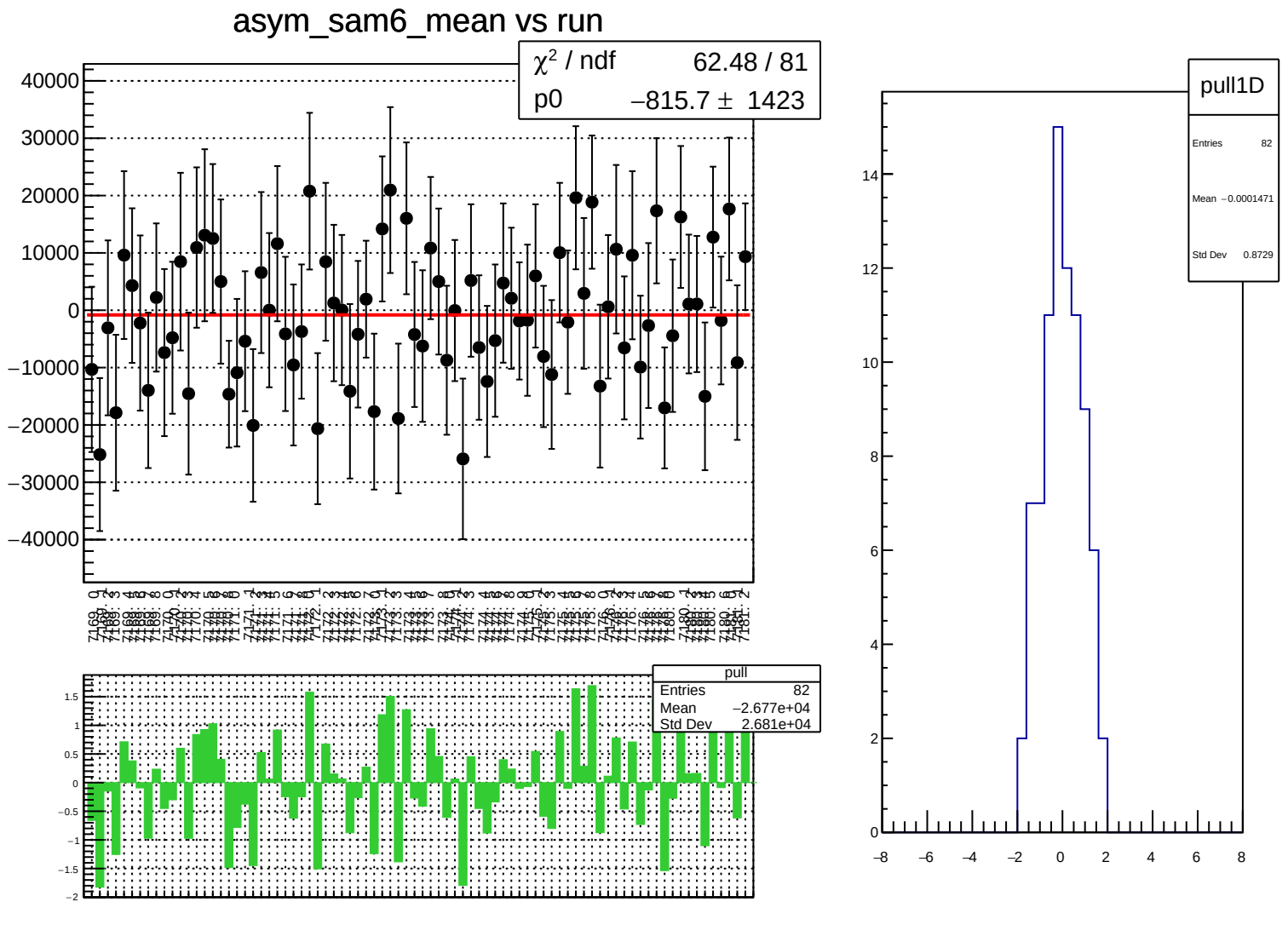

asym_sam5_rms vs run
χ² / ndf 4936 / 81
p0 1041 ± 0.8321
1200
1150
1100
1050
1000
950
900

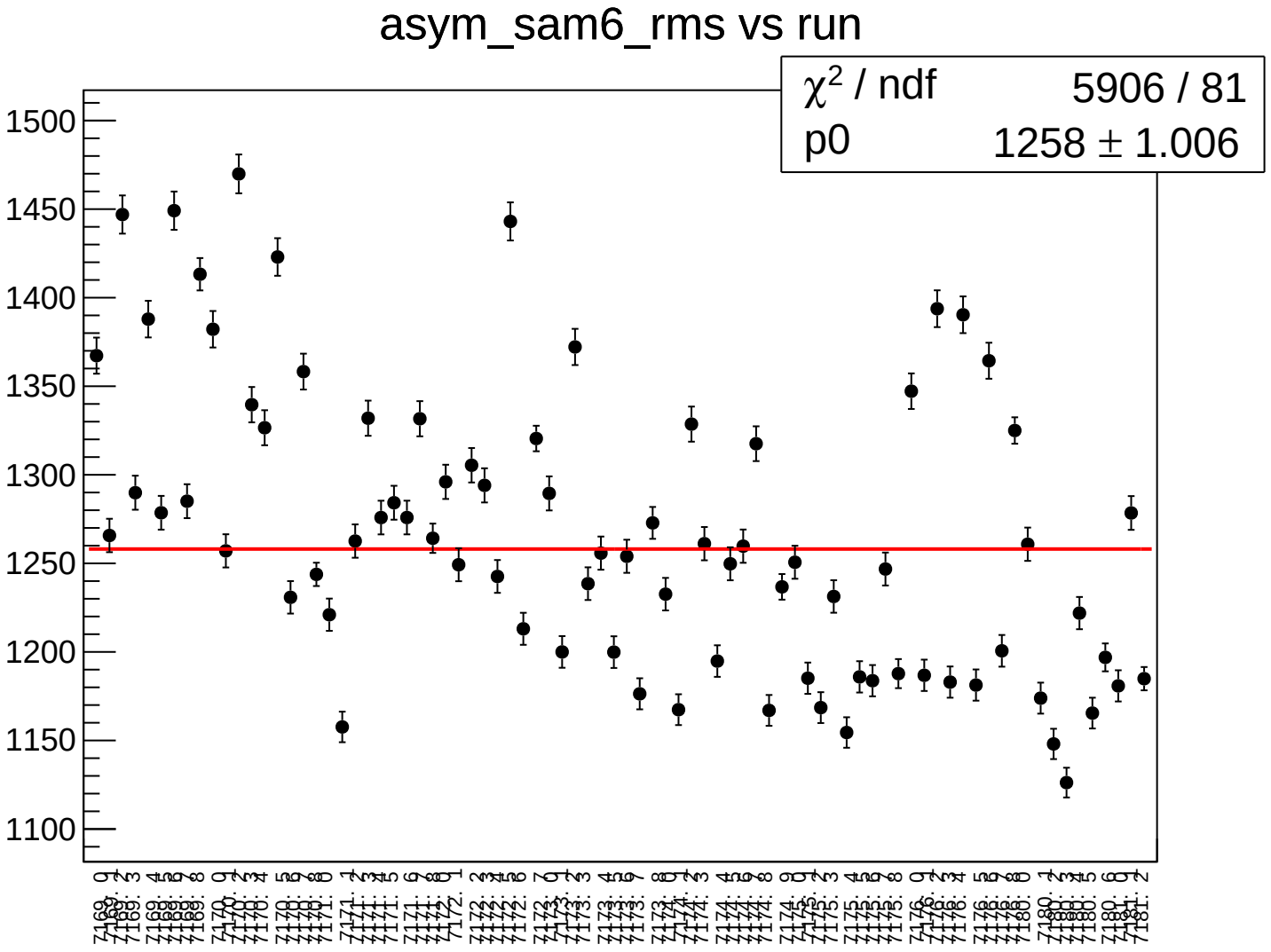

dit_asym_sam6_mean vs run
χ² / ndf 89.7 / 81
p0 136 ± 201.8
pull
Entries 82
Mean −532
Std Dev 572.2
pull1D
Entries 82
Mean −0.003989
Std Dev 1.046

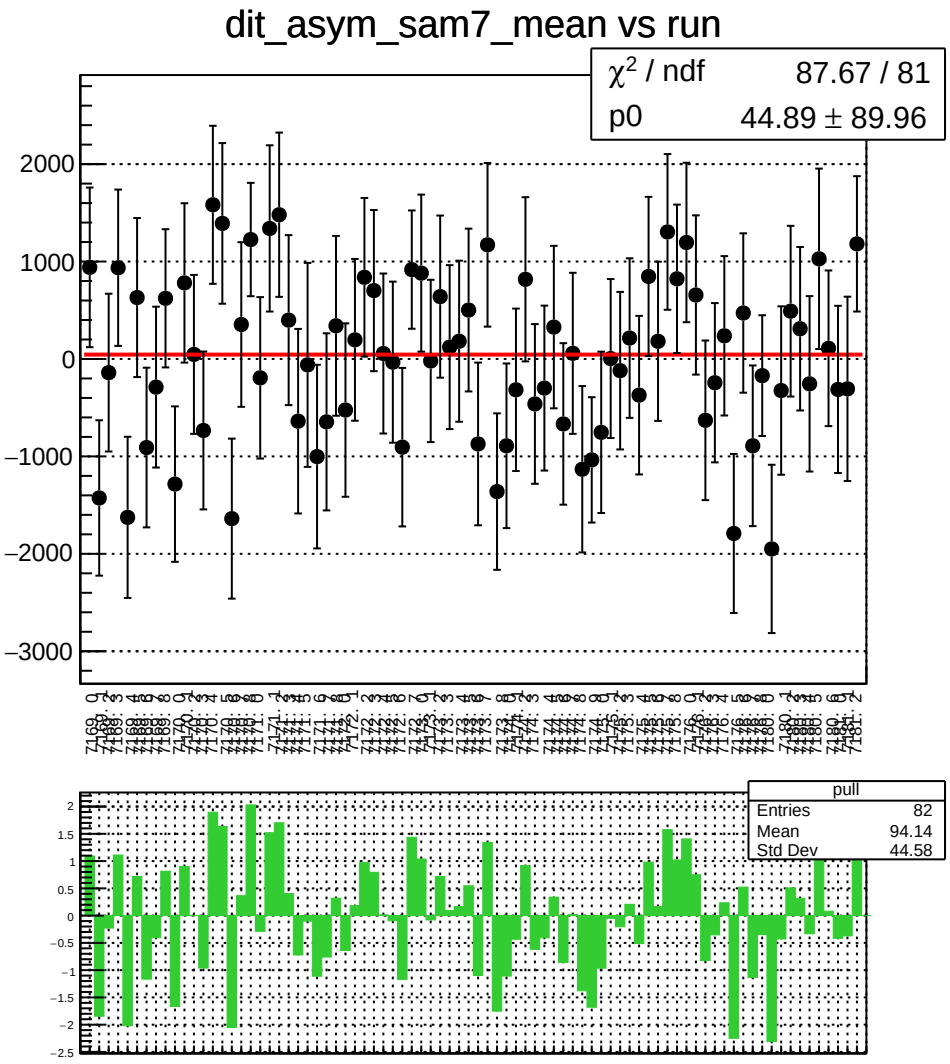

dit_asym_sam6_rms vs run
χ² / ndf 464 / 81
p0 178.7 ± 0.1427
190
188
186
184
182
180
178
176
174
172

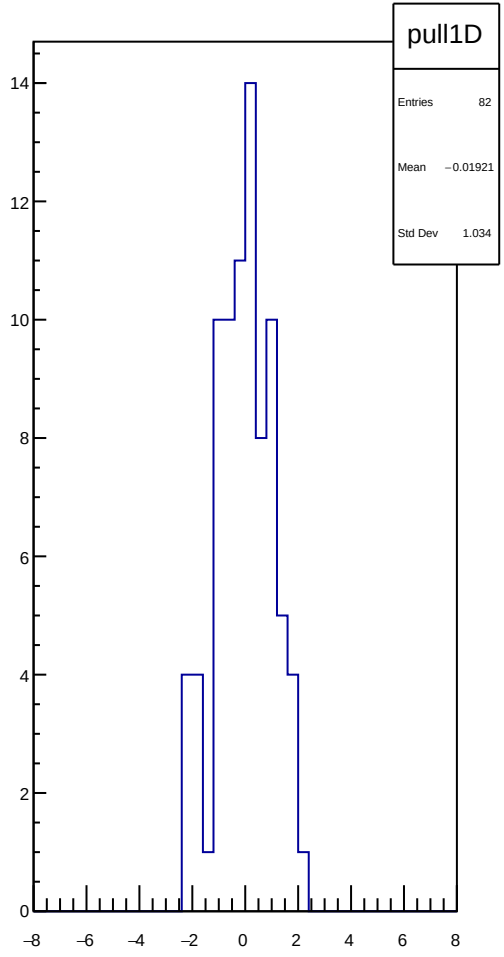

asym_sam6_correction_mean vs run
χ² / ndf 63.41 / 81
p0 977.7 ± 1440
pull
Entries 82
Mean 2582
Std Dev 2542
pull1D
Entries 82
Mean −0.0014
Std Dev 0.8794


asym_sam6_correction_rms vs run
χ^2 / ndf 5808 / 81
p0 1274 ± 1.018
1500
1450
1400
1350
1300
1250
1200
1150

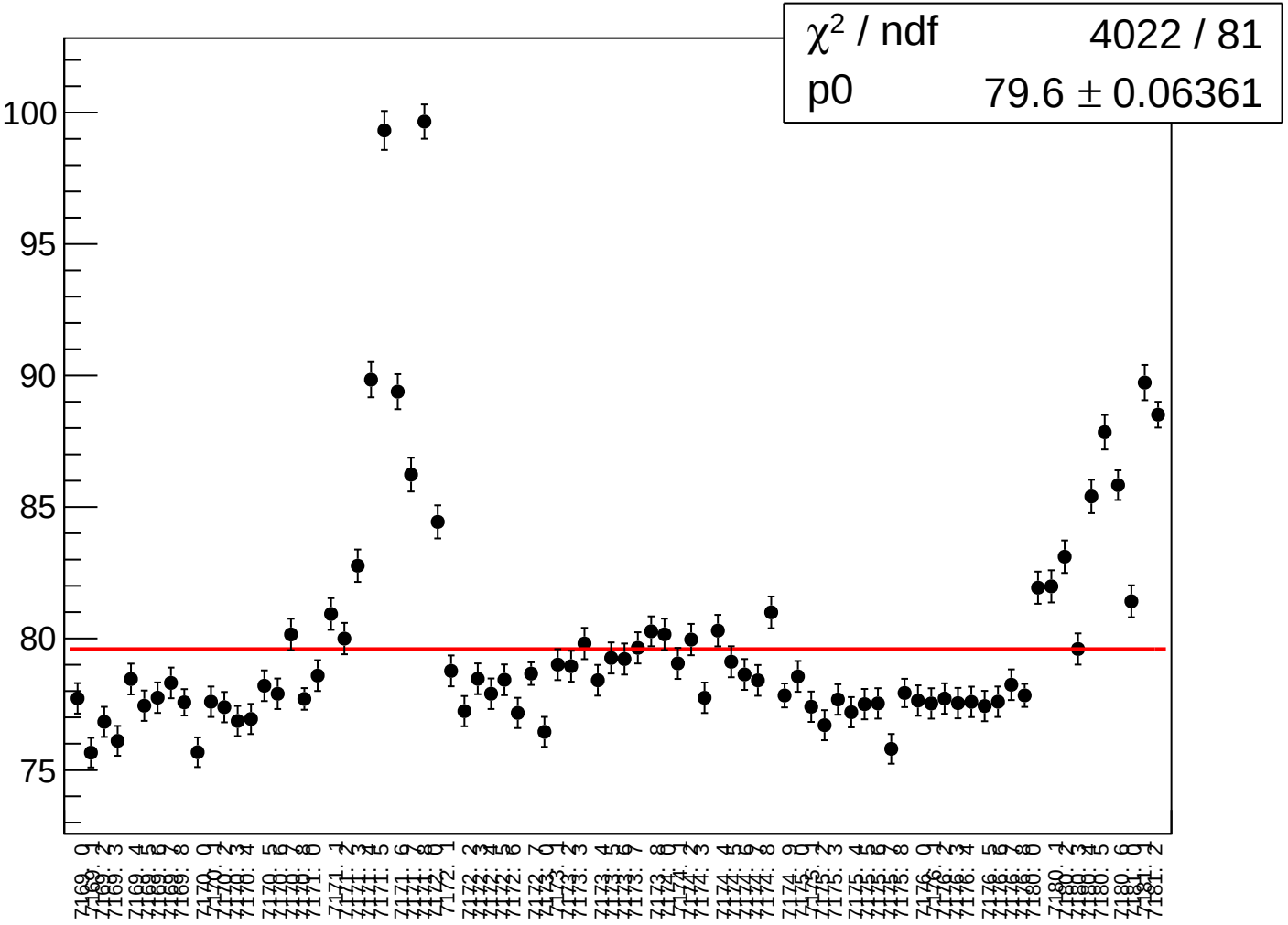

asym_sam6_mean vs run
χ² / ndf 62.48 / 81
p0 −815.7 ± 1423
pull
Entries 82
Mean −2.677e+04
Std Dev 2.681e+04
pull1D
Entries 82
Mean −0.0001471
Std Dev 0.8729

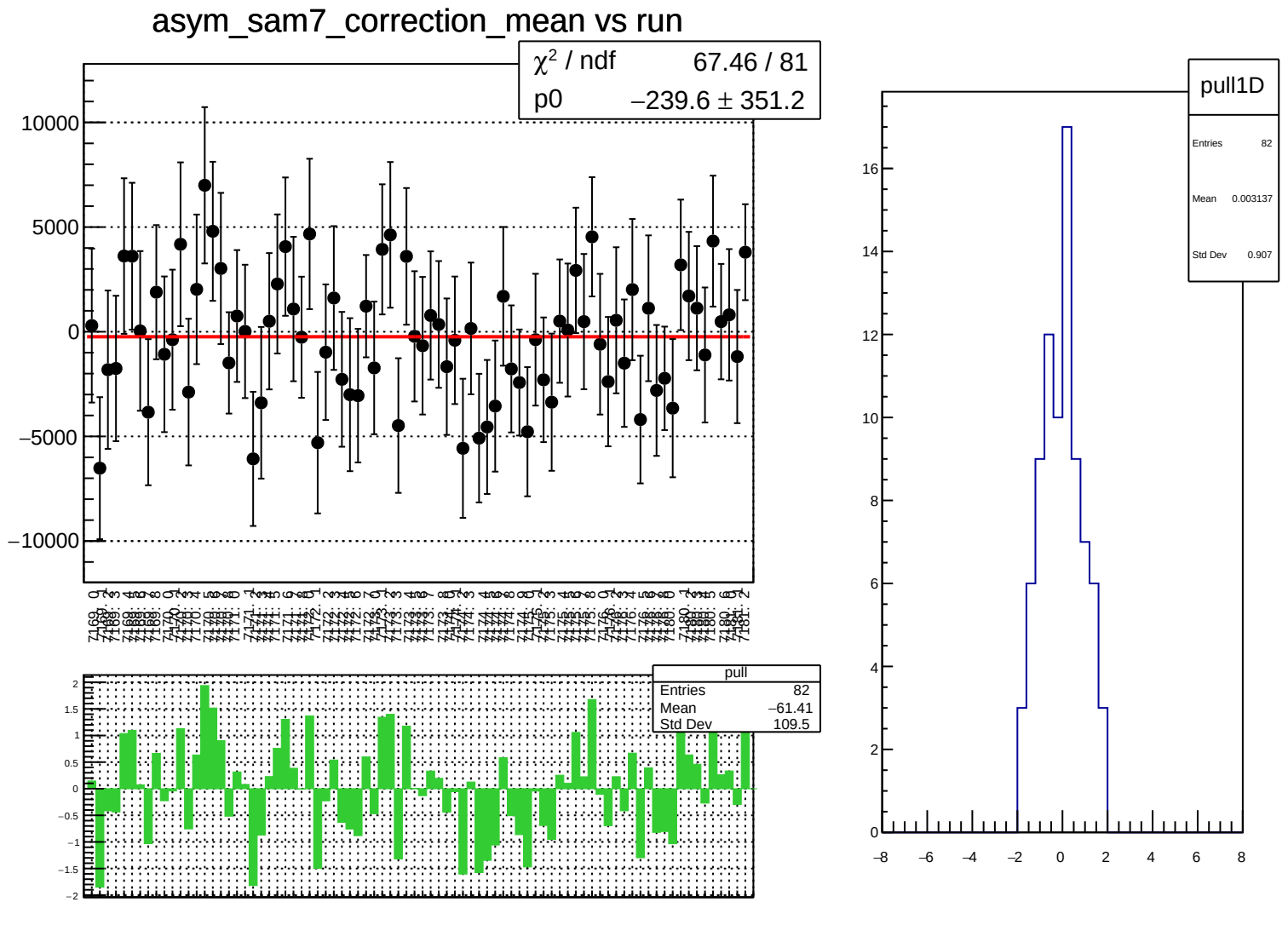

asym_sam6_rms vs run
χ² / ndf 5906 / 81
p0 1258 ± 1.006
1500
1450
1400
1350
1300
1250
1200
1150
1100

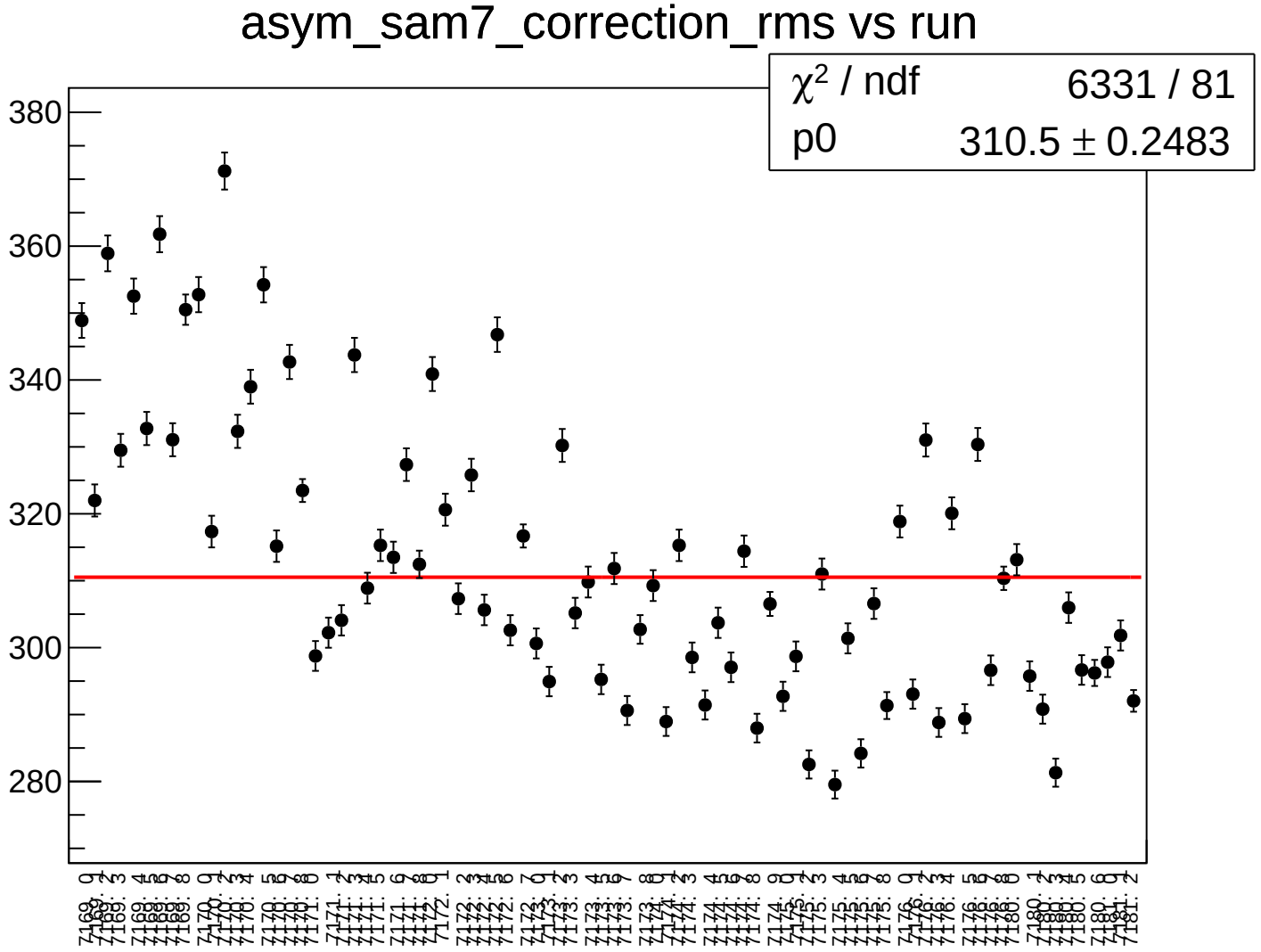

dit_asym_sam7_mean vs run
χ² / ndf 87.67 / 81
p0 44.89 ± 89.96
pull
Entries 82
Mean 94.14
Std Dev 44.58

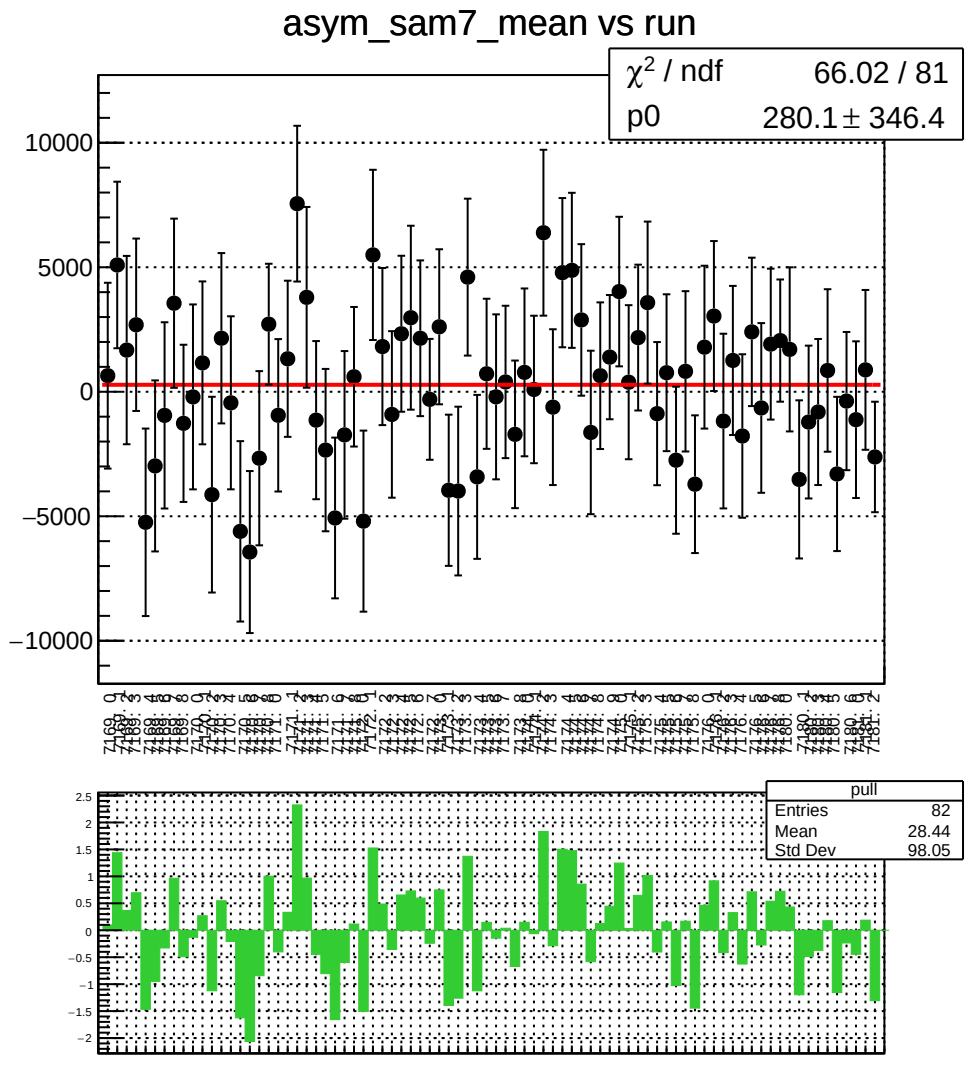

pull1D
Entries 82
Mean −0.01921
Std Dev 1.034

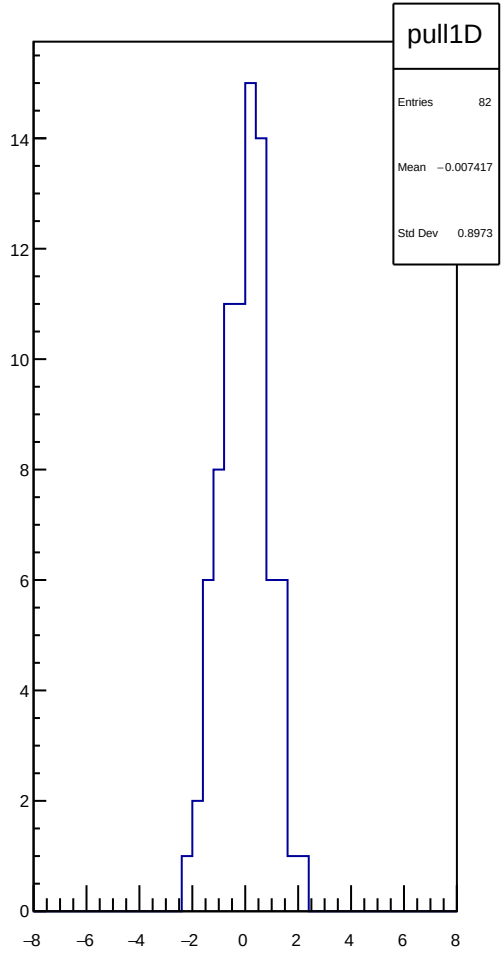
dit_asym_sam7_rms vs run

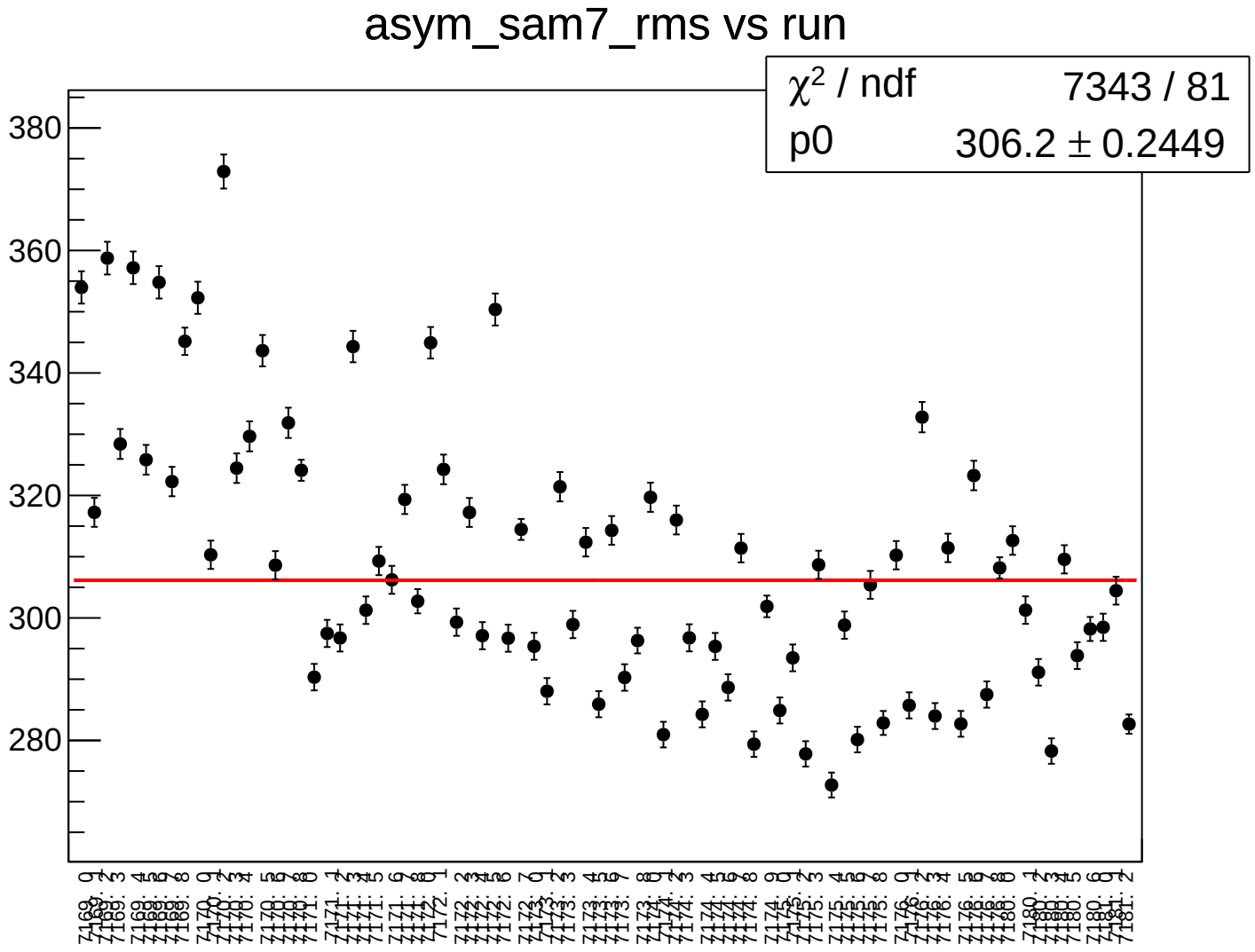


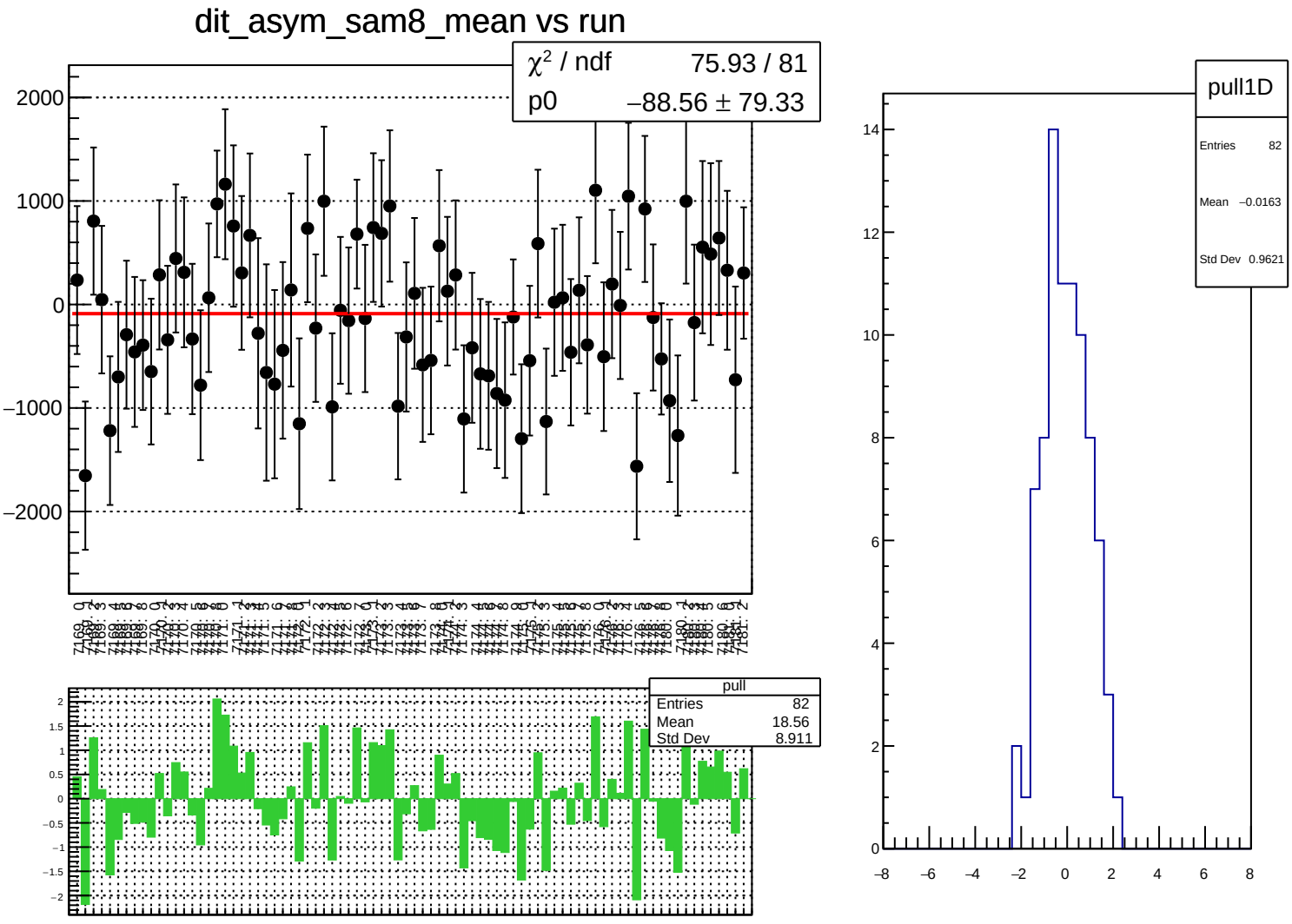

asym_sam7_correction_mean vs run
χ² / ndf 67.46 / 81
p0 −239.6 ± 351.2
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −61.41
Std Dev 109.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.003137
Std Dev 0.907
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

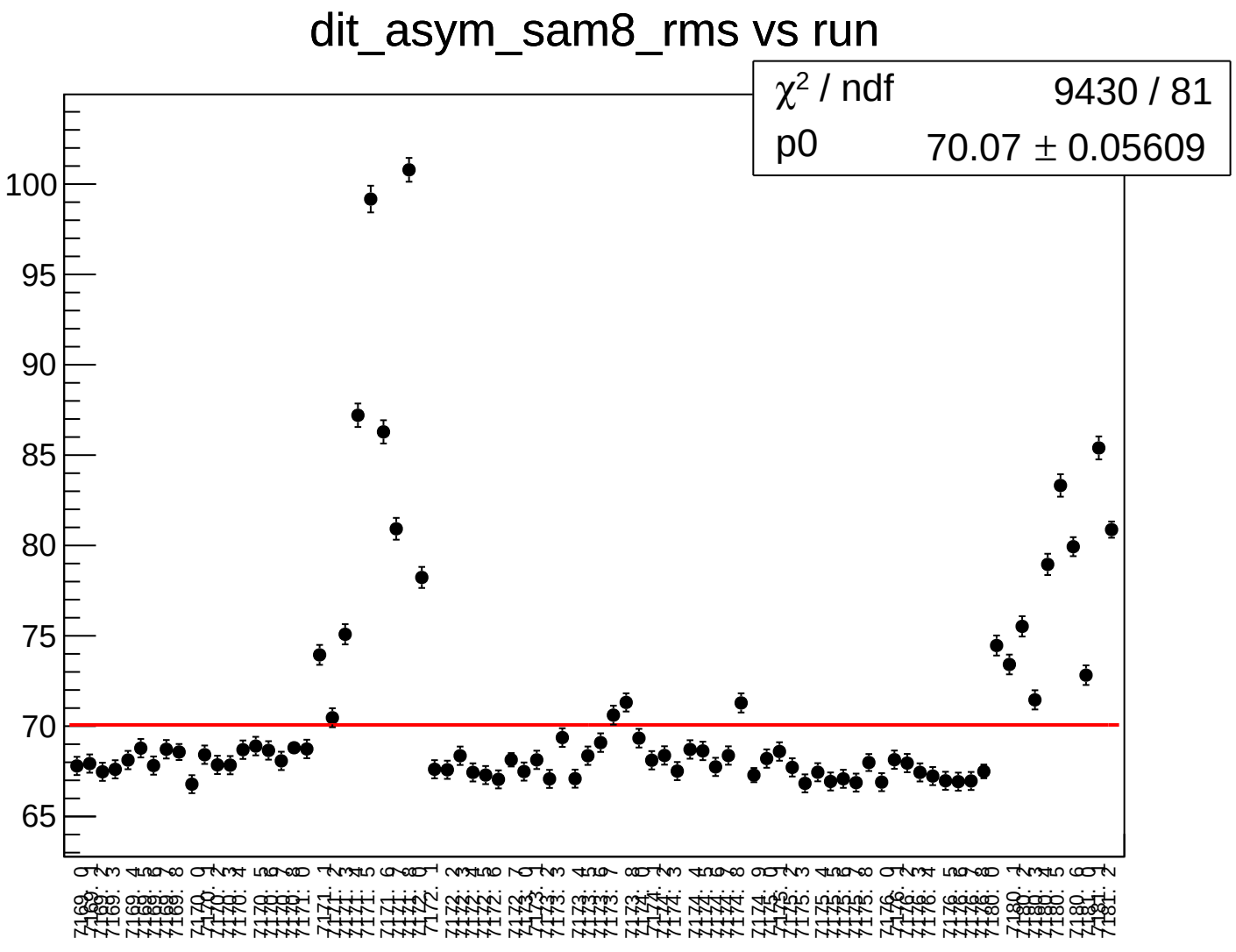

asym_sam7_correction_rms vs run
χ^2 / ndf 6331 / 81
p0 310.5 ± 0.2483
380
360
340
320
300
280

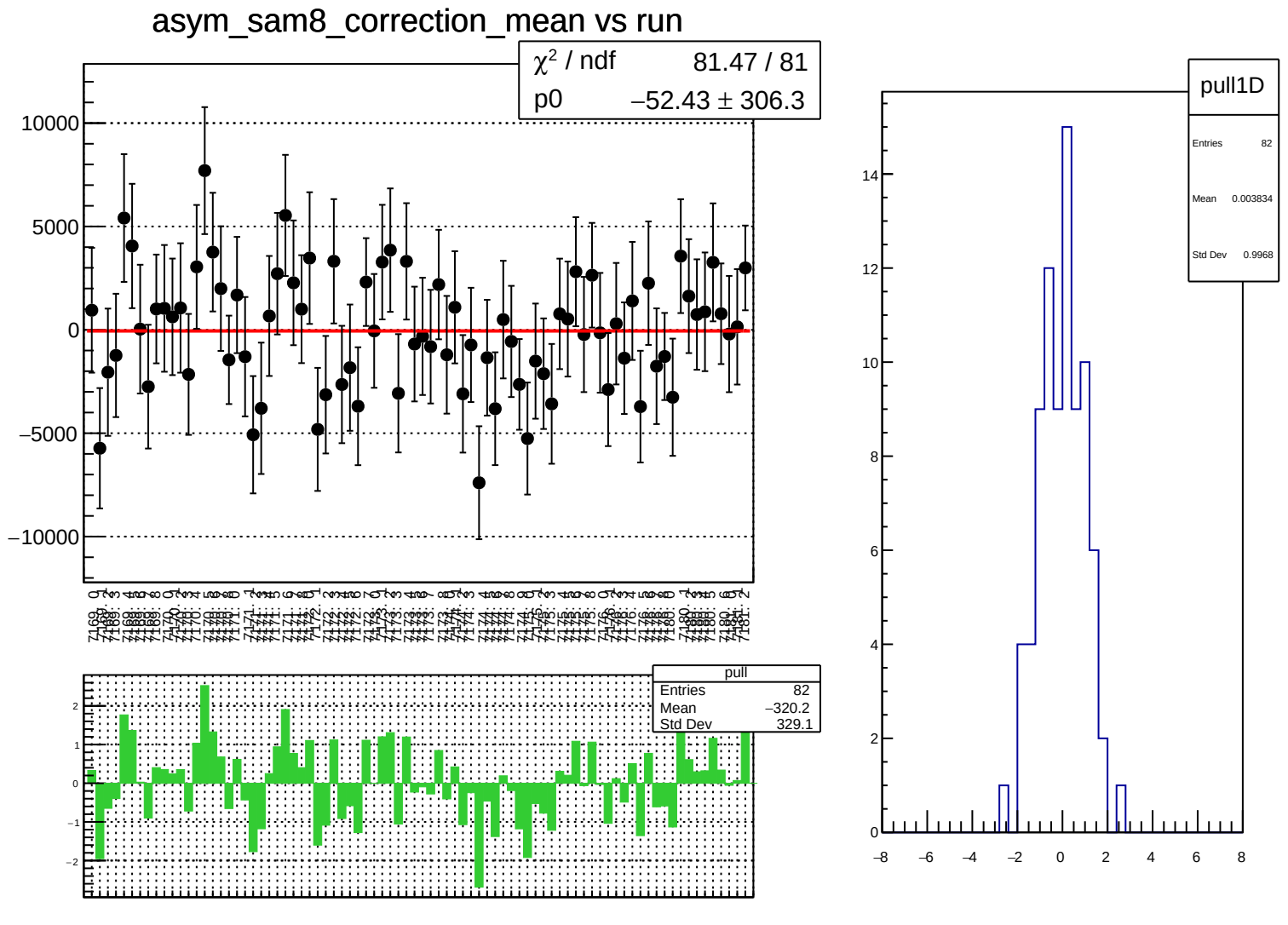

asym_sam7_mean vs run
χ^2 / ndf 66.02 / 81
p0 280.1 ± 346.4
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 28.44
Std Dev 98.05
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 82
Mean −0.007417
Std Dev 0.8973
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

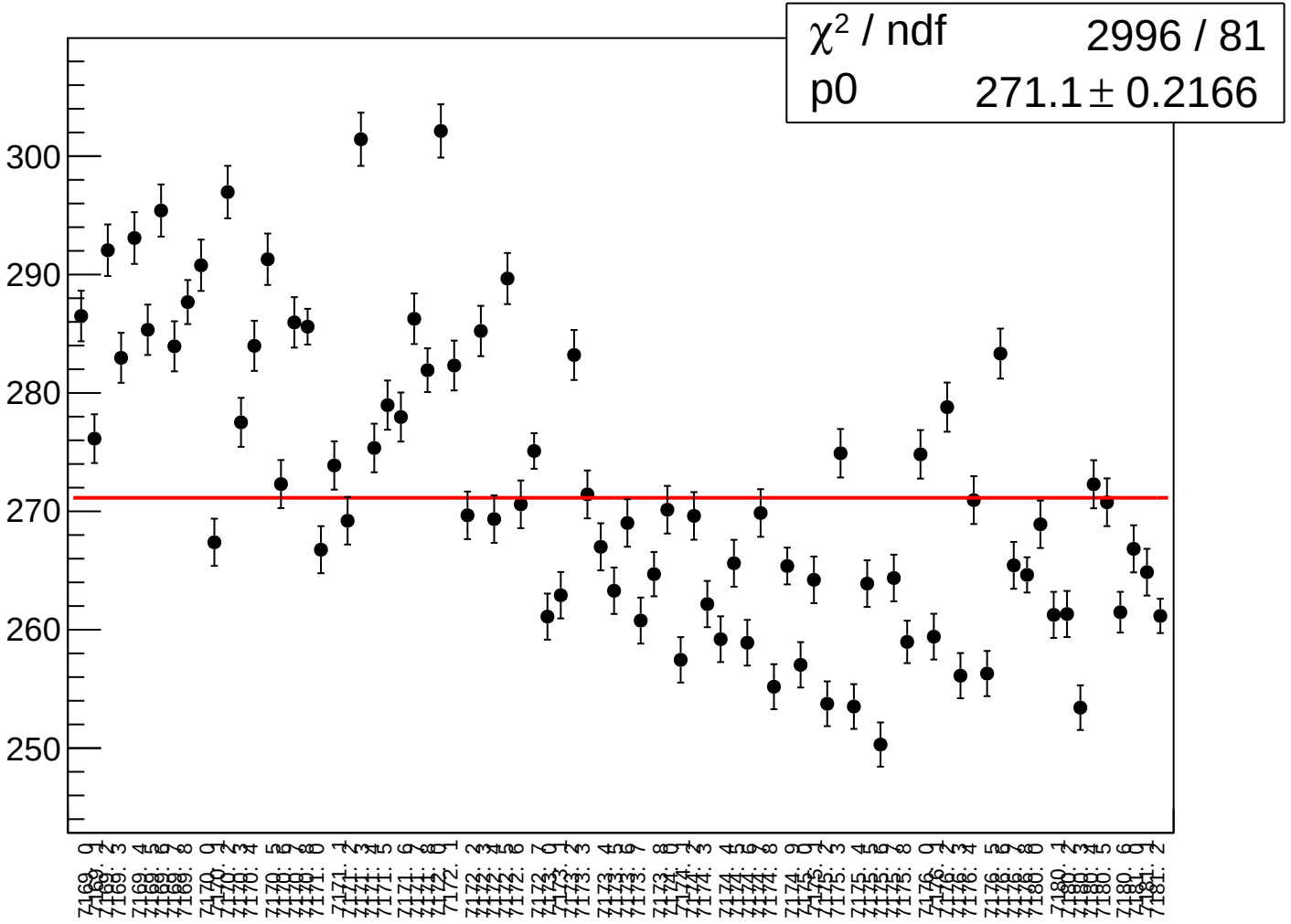

asym_sam7_rms vs run
χ² / ndf 7343 / 81
p0 306.2 ± 0.2449
380
360
340
320
300
280

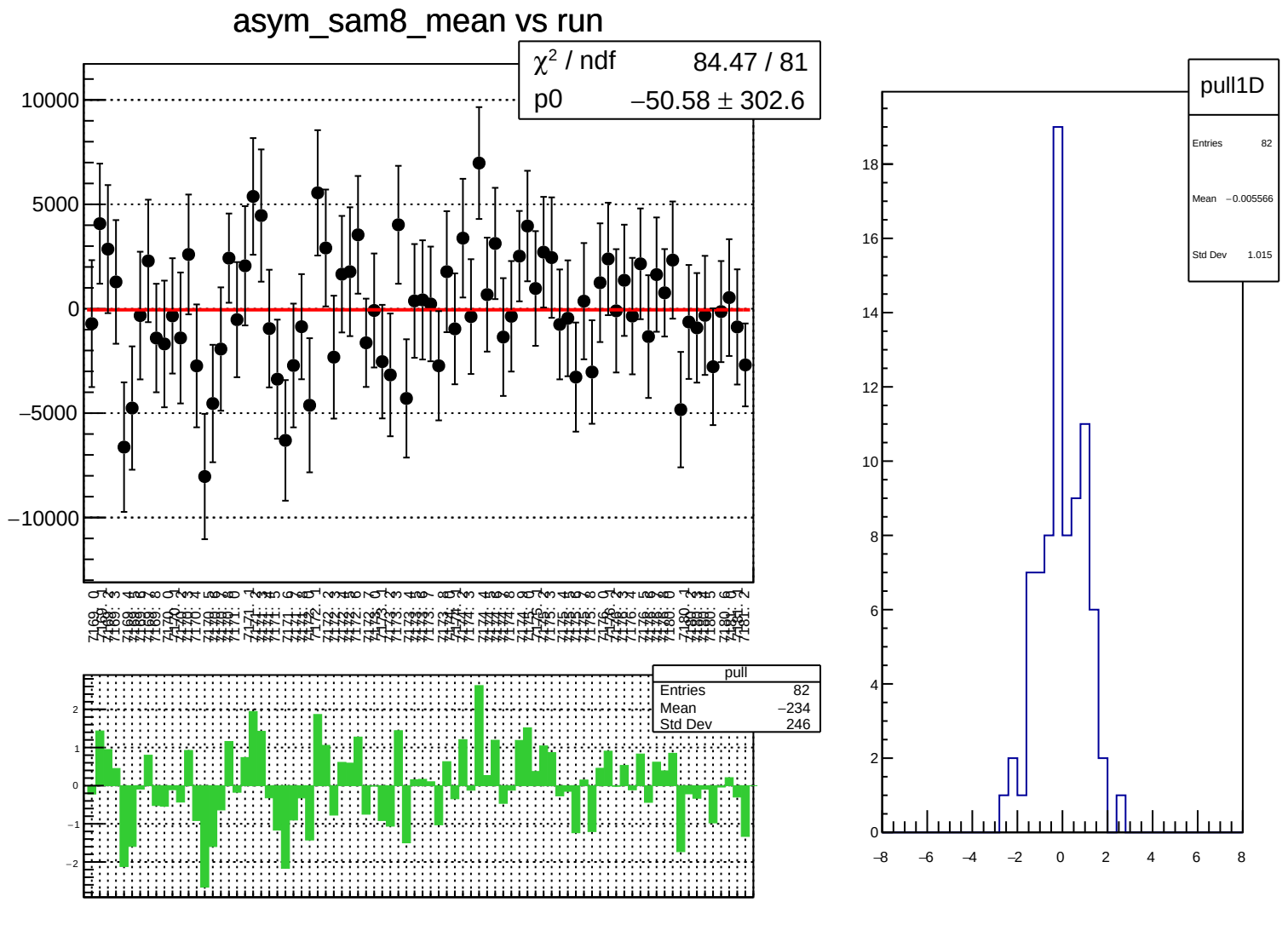

dit_asym_sam8_mean vs run
χ² / ndf 75.93 / 81
p0 −88.56 ± 79.33
pull
Entries 82
Mean 18.56
Std Dev 8.911
pull1D
Entries 82
Mean −0.0163
Std Dev 0.9621

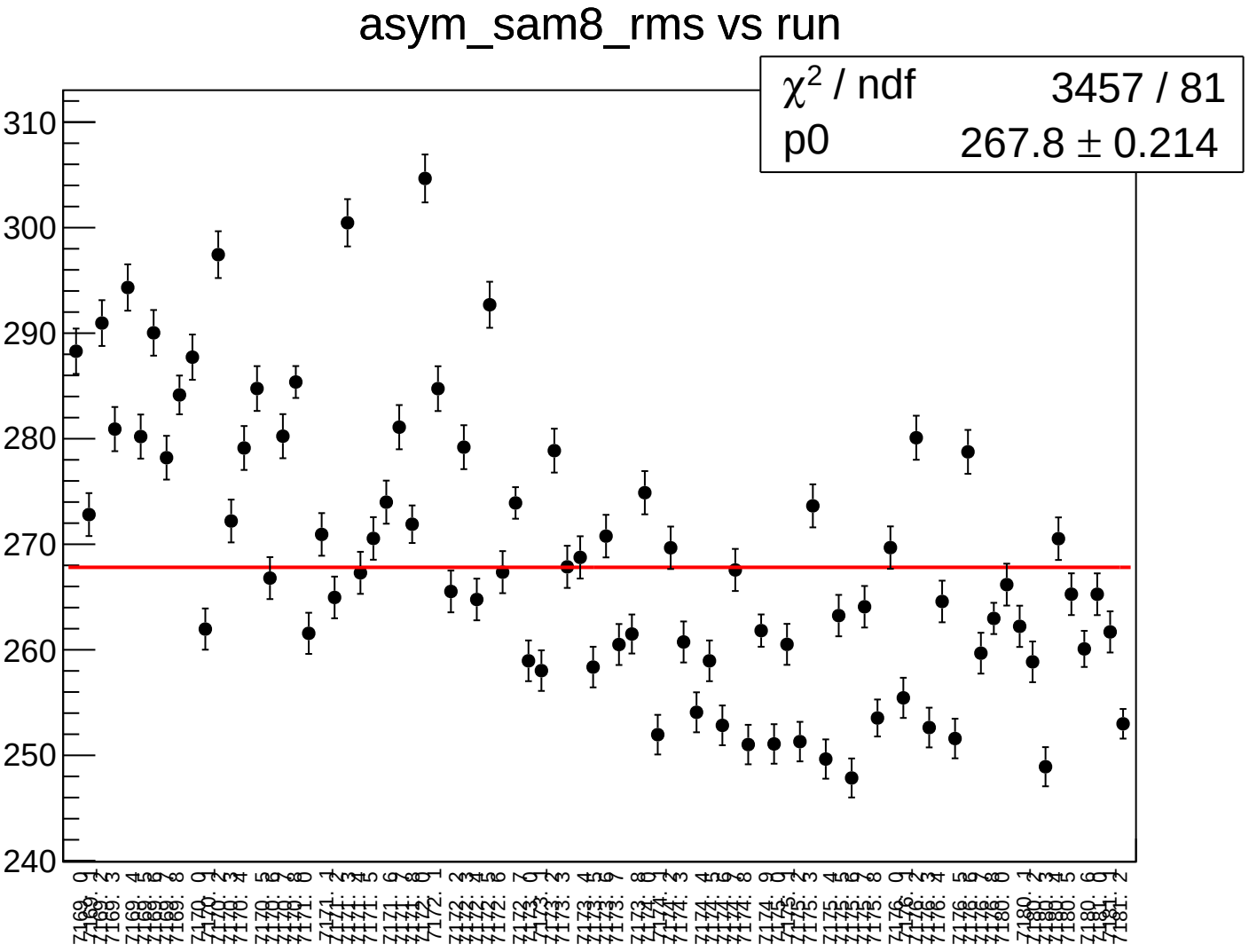

dit_asym_sam8_rms vs run
χ² / ndf 9430 / 81
p0 70.07 ± 0.05609
100
95
90
85
80
75
70
65

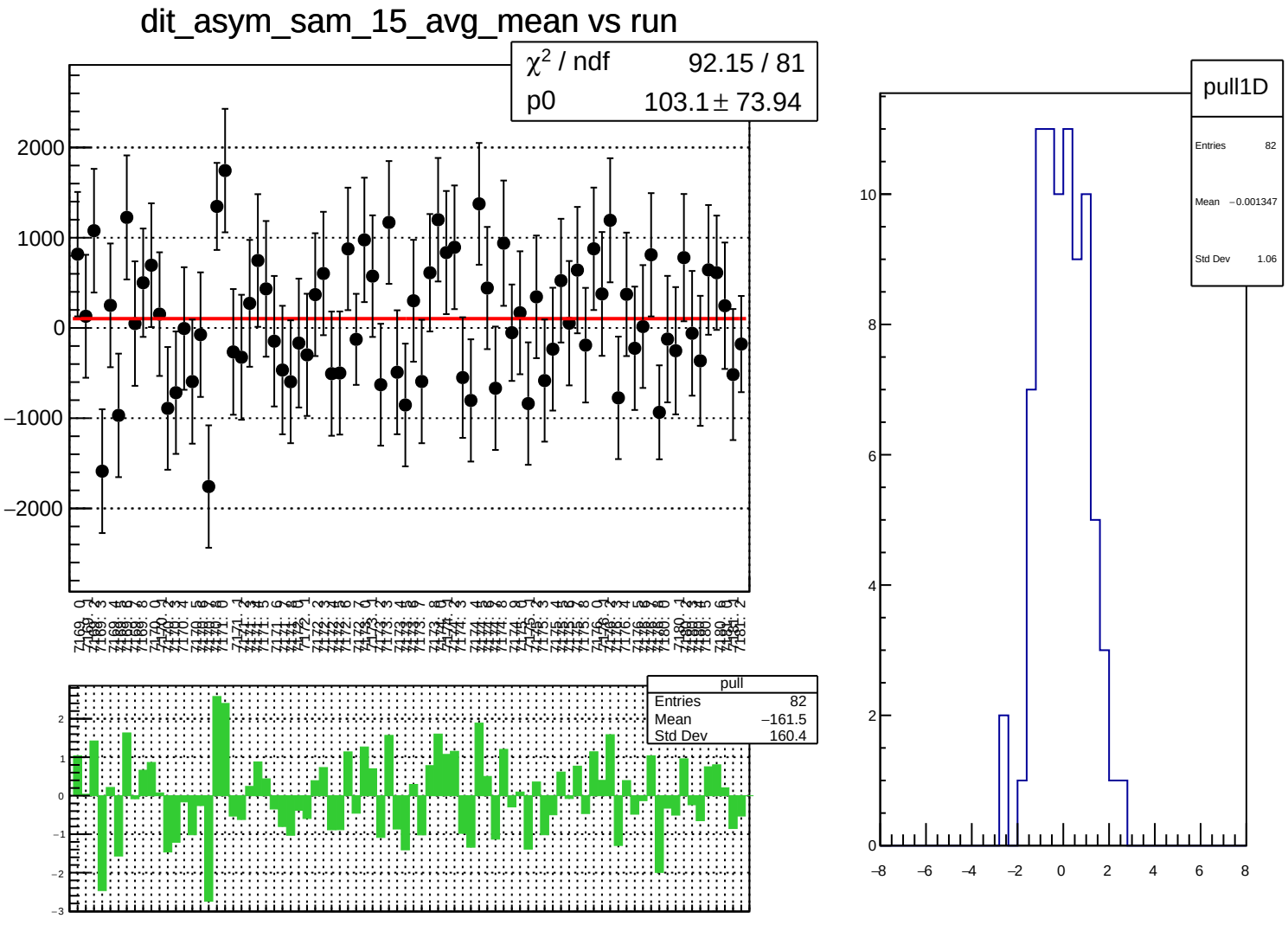

asym_sam8_correction_mean vs run
χ² / ndf 81.47 / 81
p0 −52.43 ± 306.3
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −320.2
Std Dev 329.1
2
1
0
−1
−2
pull1D
Entries 82
Mean 0.003834
Std Dev 0.9968
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

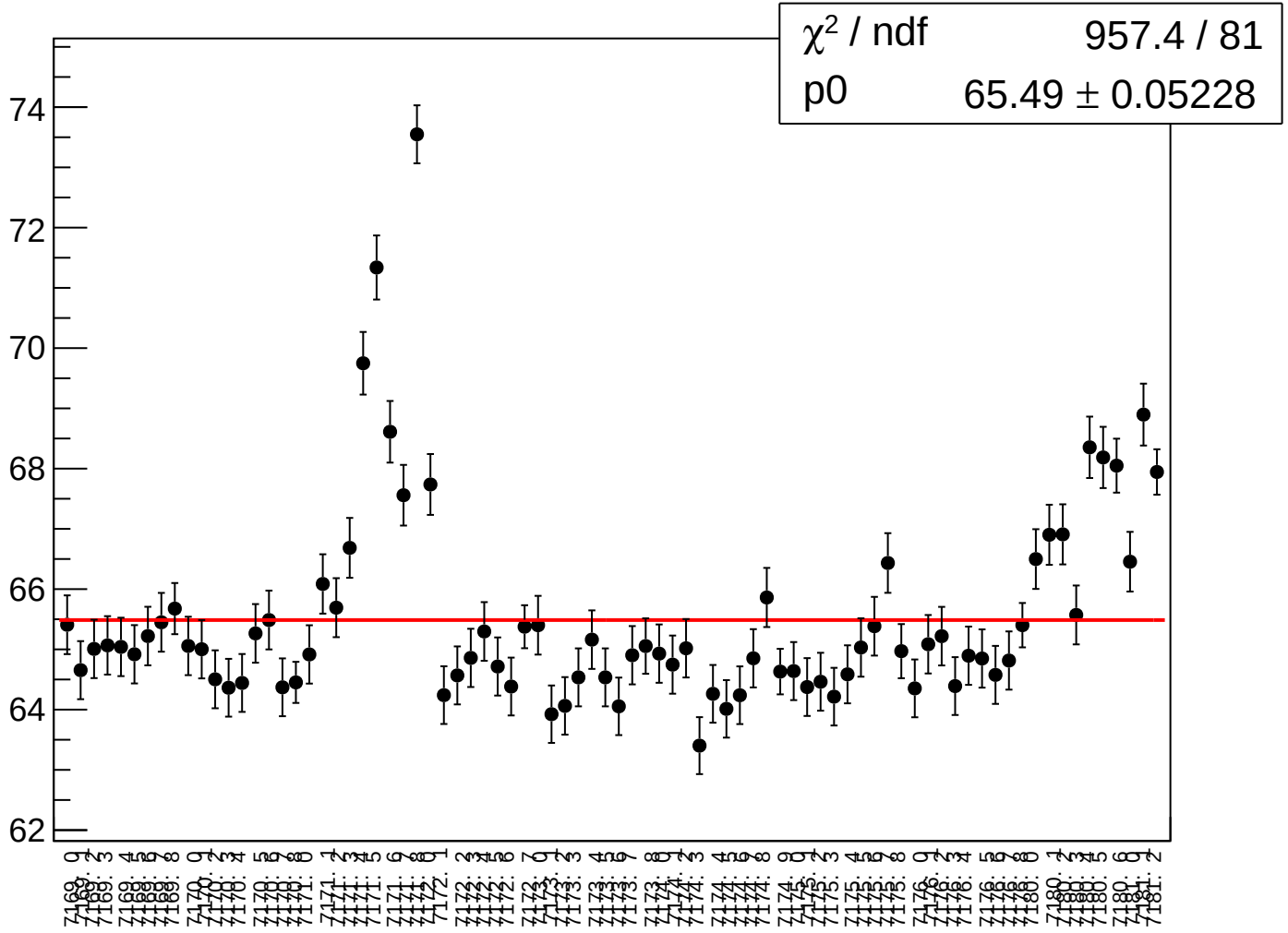


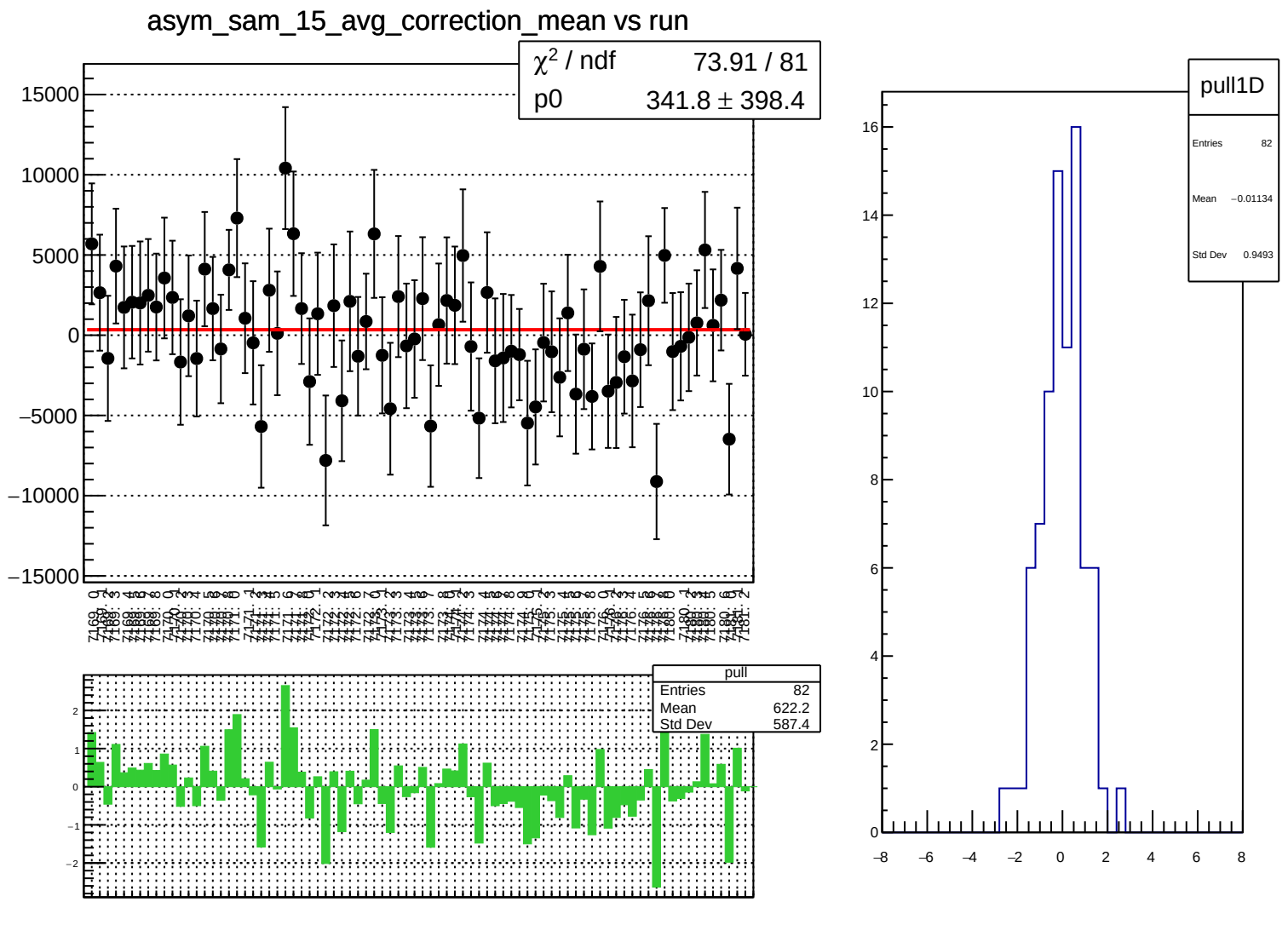

asym_sam8_mean vs run
χ² / ndf 84.47 / 81
p0 −50.58 ± 302.6
10000
5000
0
−5000
−10000
pull
Entries 82
Mean −234
Std Dev 246
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.005566
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

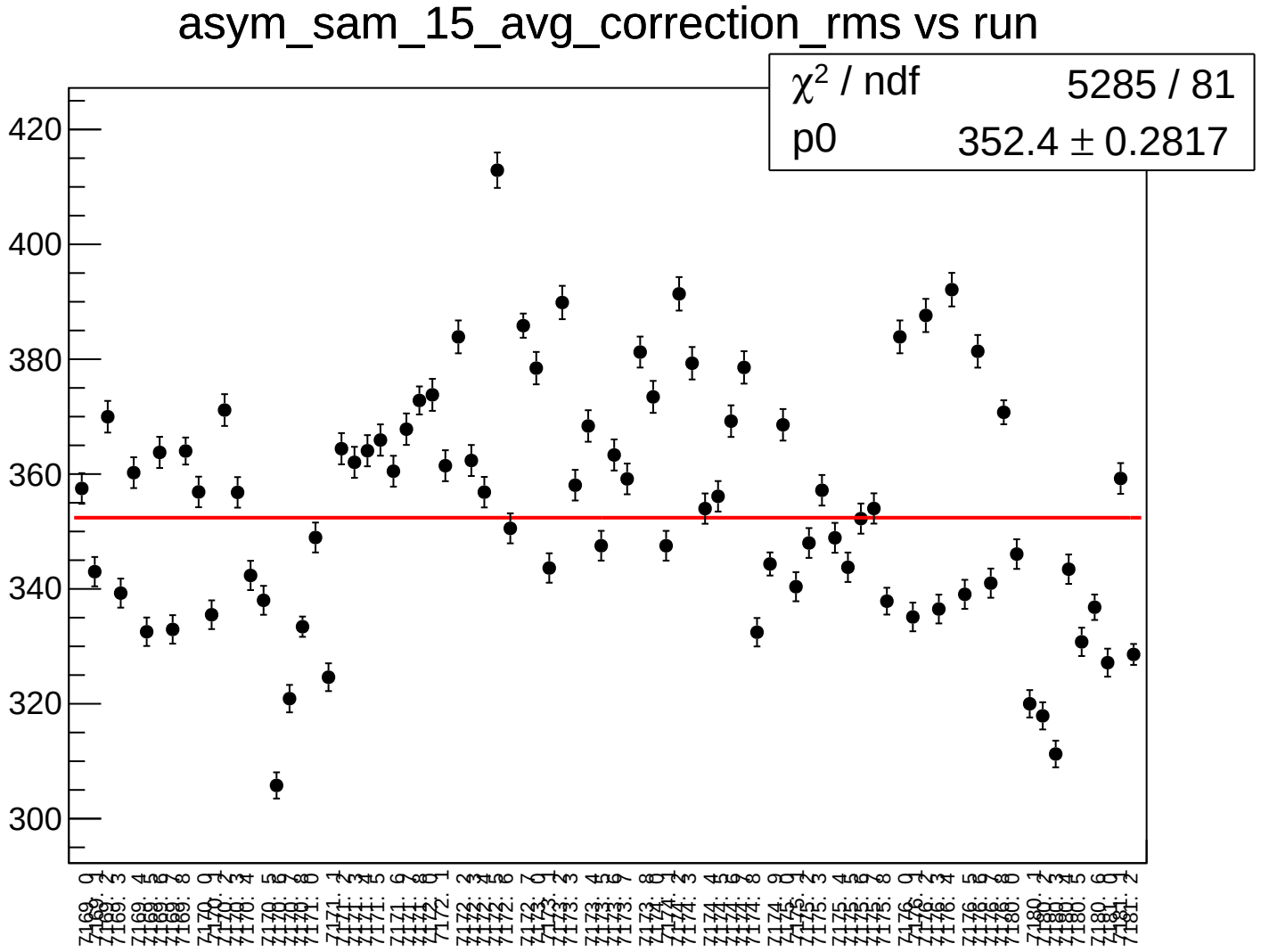

asym_sam8_rms vs run
χ^2 / ndf 3457 / 81
p0 267.8 ± 0.214
310
300
290
280
270
260
250
240

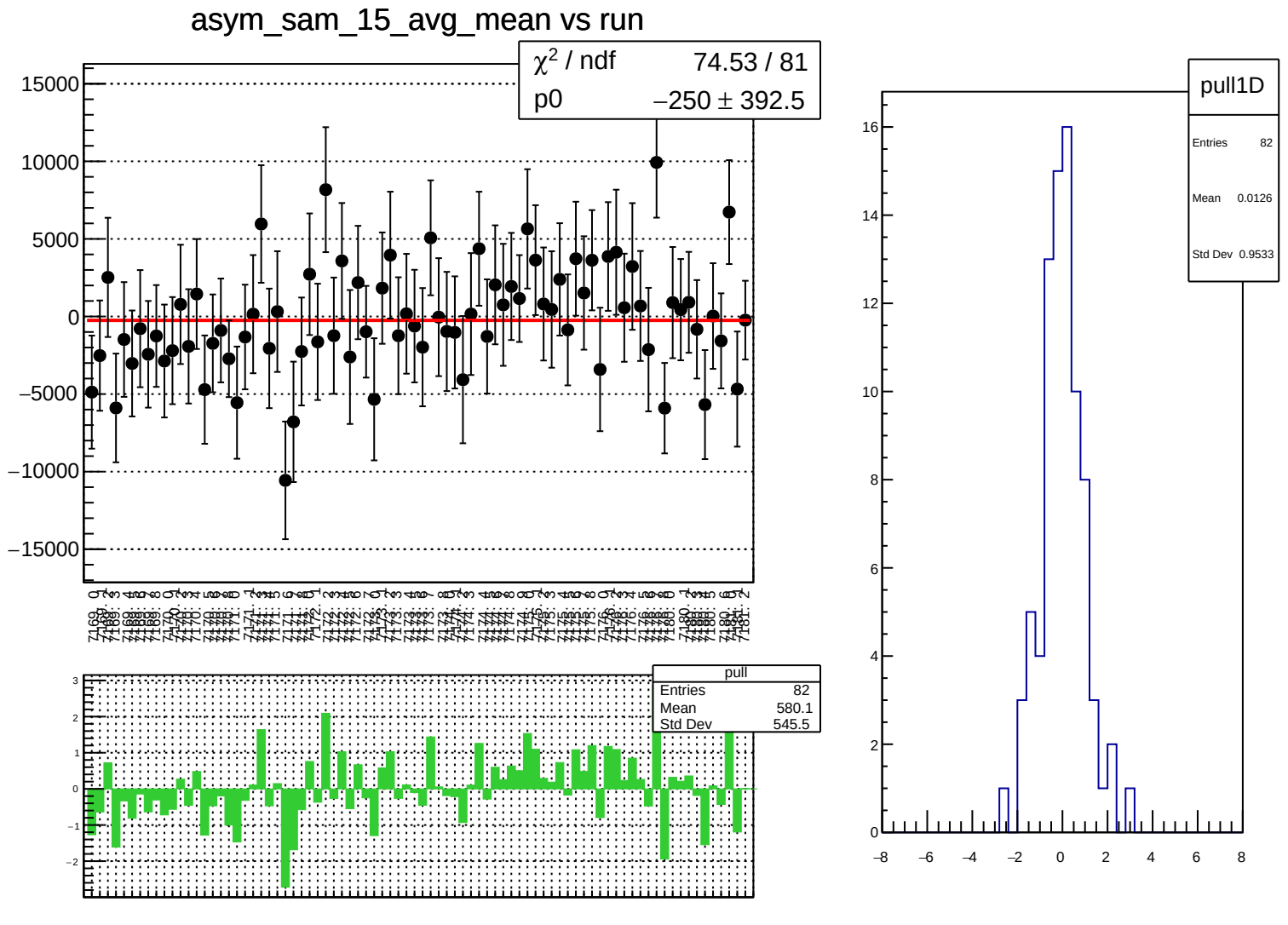

dit_asym_sam_15_avg_mean vs run
χ² / ndf 92.15 / 81
p0 103.1 ± 73.94
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −161.5
Std Dev 160.4
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.001347
Std Dev 1.06
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

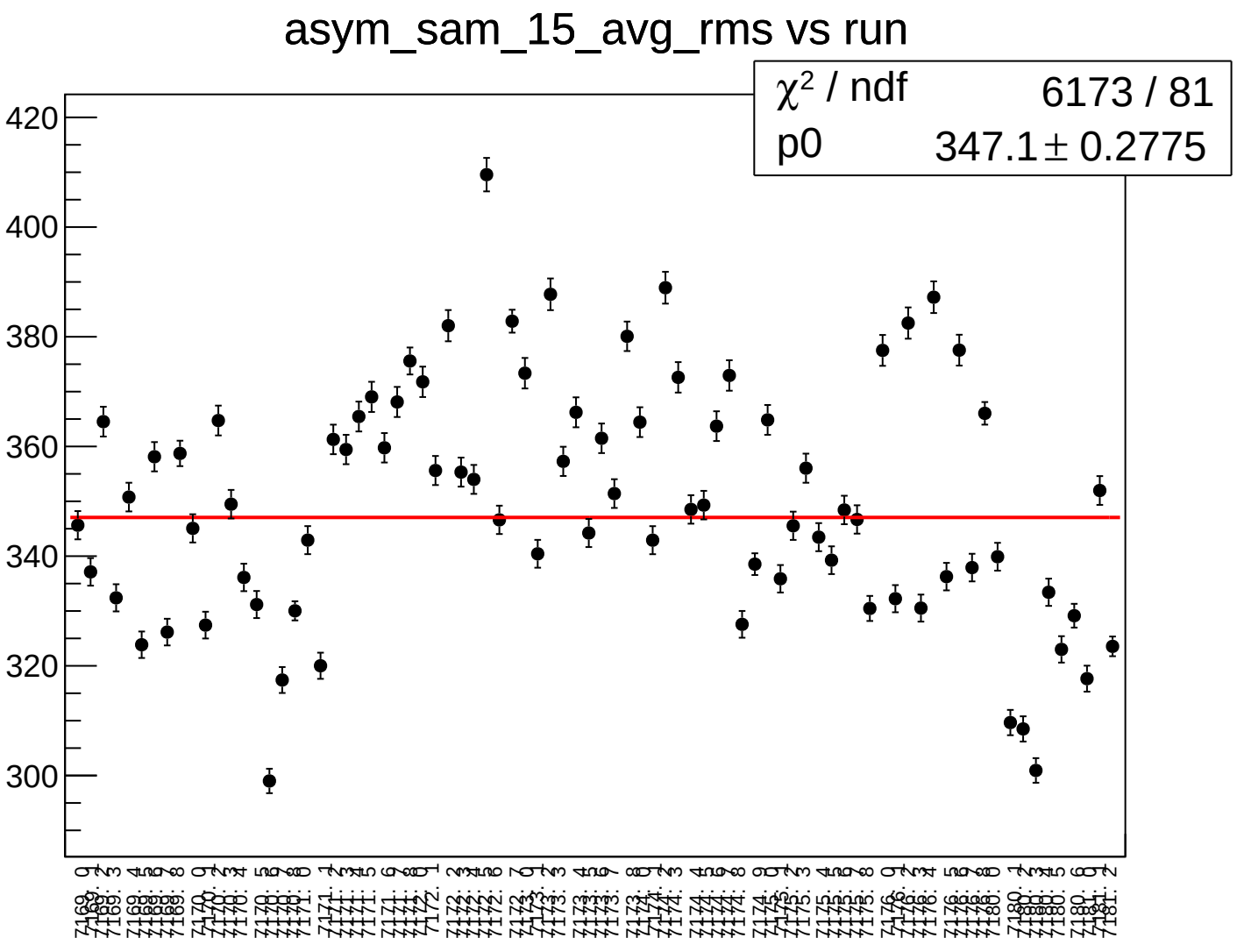
dit_asym_sam_15_avg_rms vs run

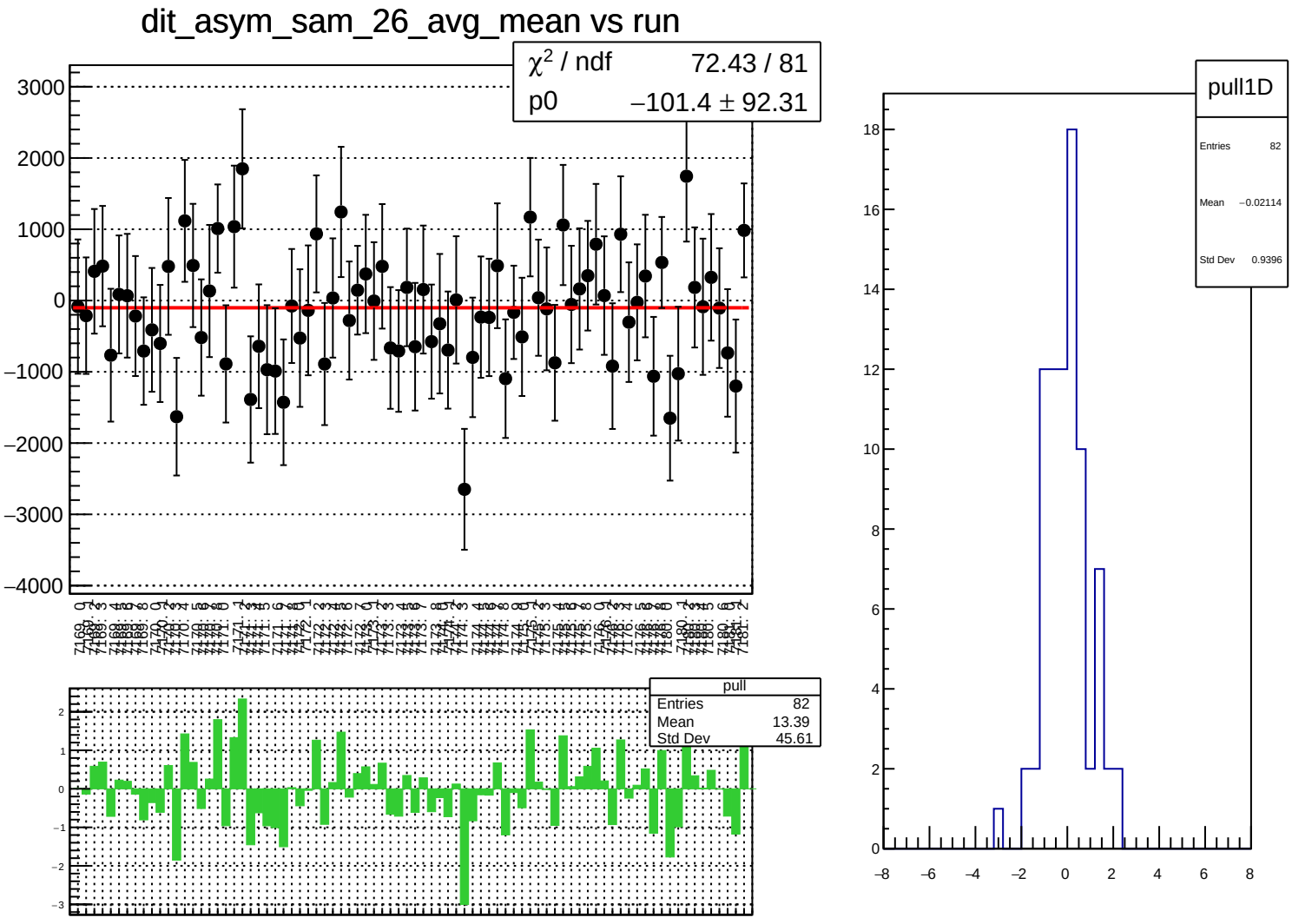



asym_sam_15_avg_correction_mean vs run
χ² / ndf 73.91 / 81
p0 341.8 ± 398.4
pull
Entries 82
Mean 622.2
Std Dev 587.4
pull1D
Entries 82
Mean −0.01134
Std Dev 0.9493

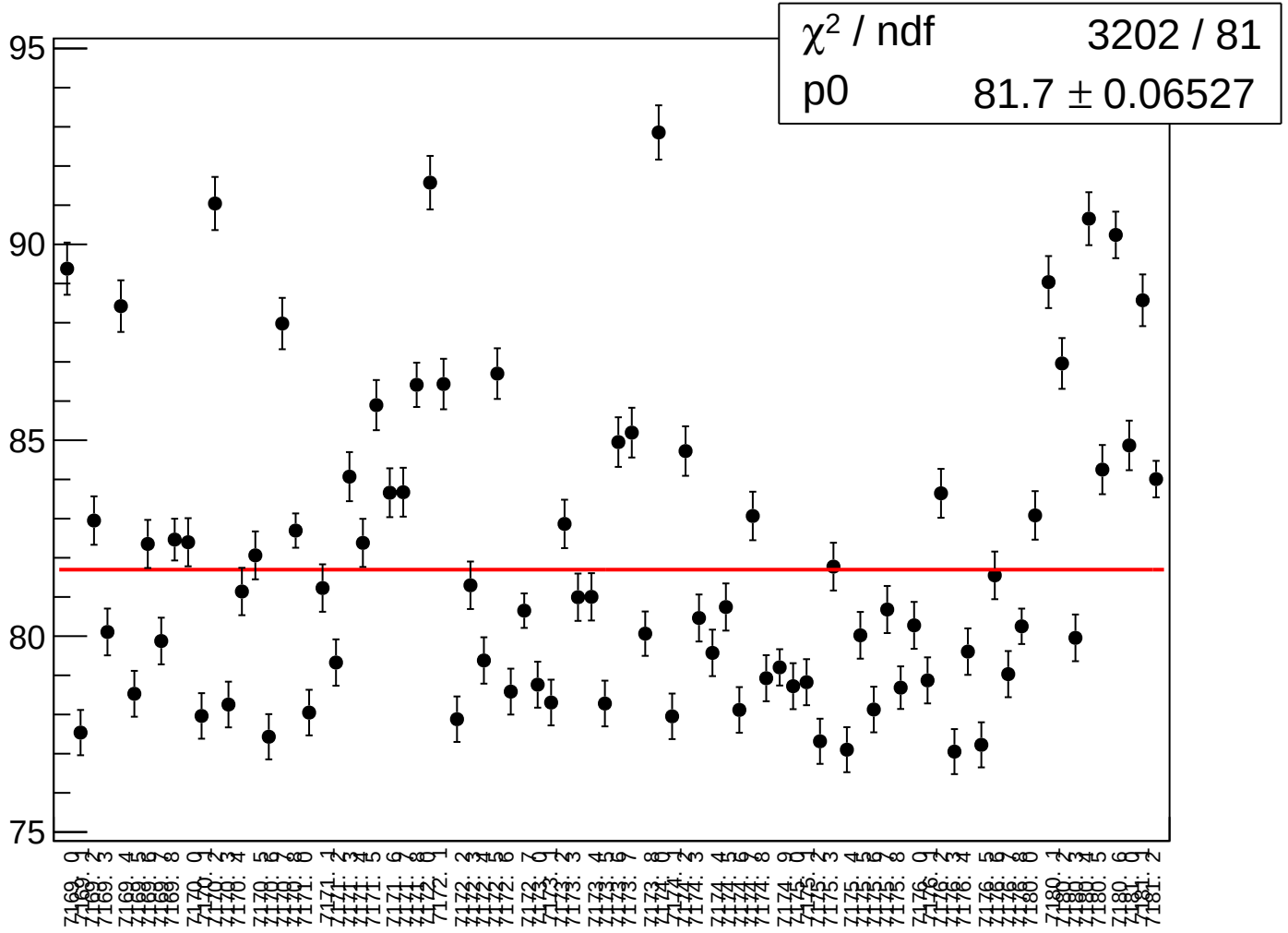

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 5285 / 81
p0 352.4 ± 0.2817
420
400
380
360
340
320
300

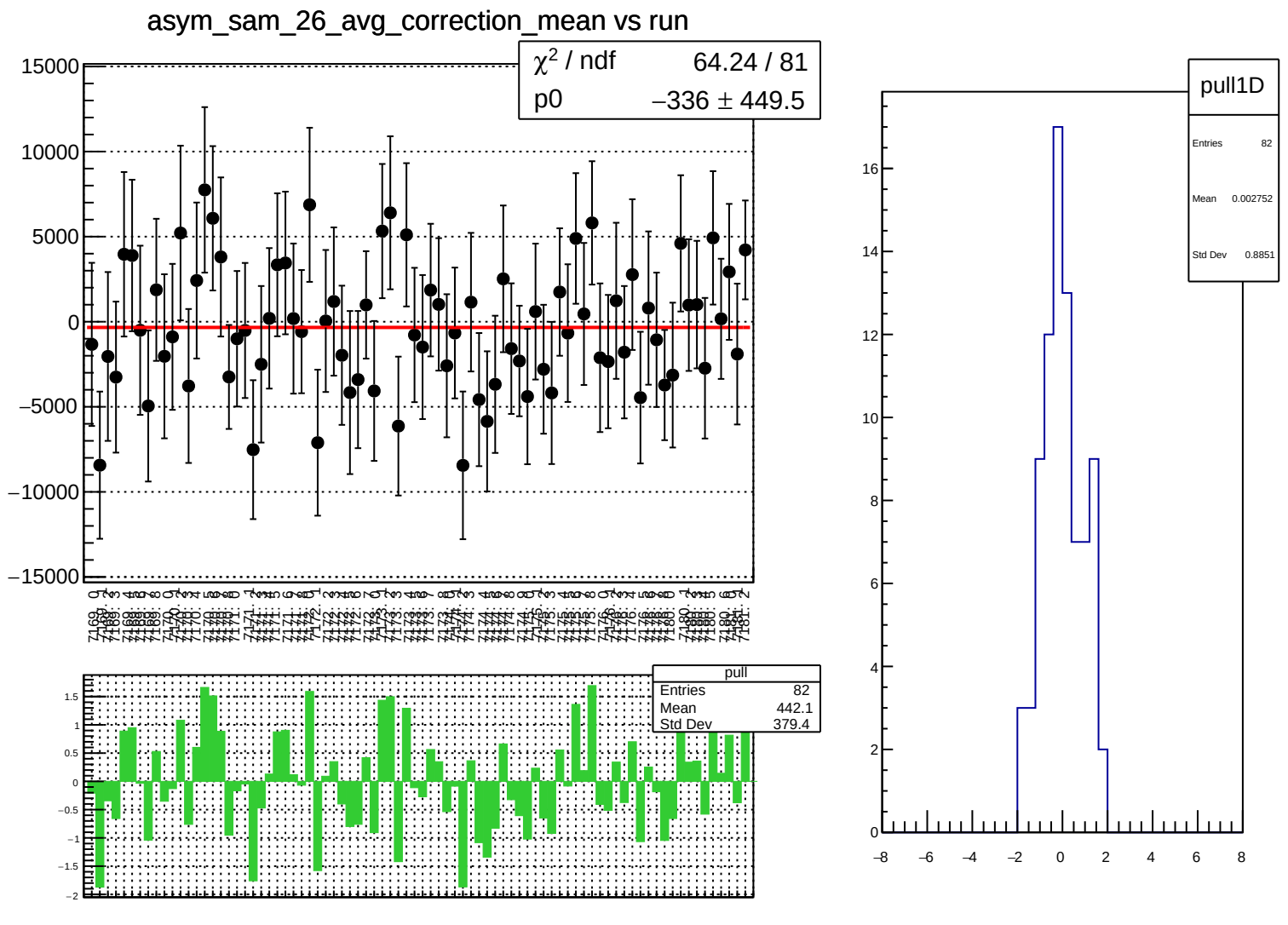

asym_sam_15_avg_mean vs run
χ² / ndf 74.53 / 81
p0 −250 ± 392.5
pull
Entries 82
Mean 580.1
Std Dev 545.5
pull1D
Entries 82
Mean 0.0126
Std Dev 0.9533

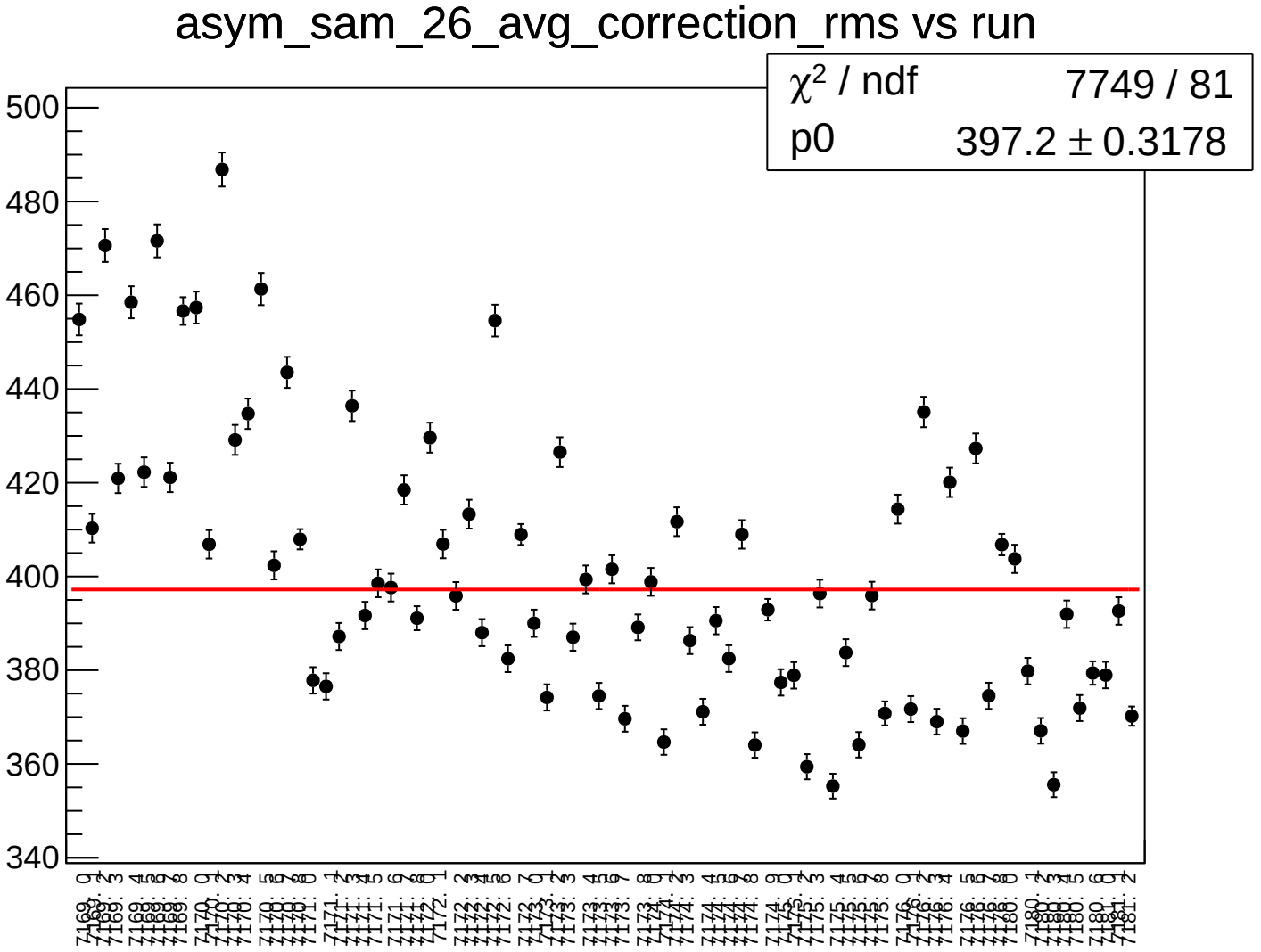

asym_sam_15_avg_rms vs run
χ² / ndf 6173 / 81
p0 347.1 ± 0.2775
420
400
380
360
340
320
300

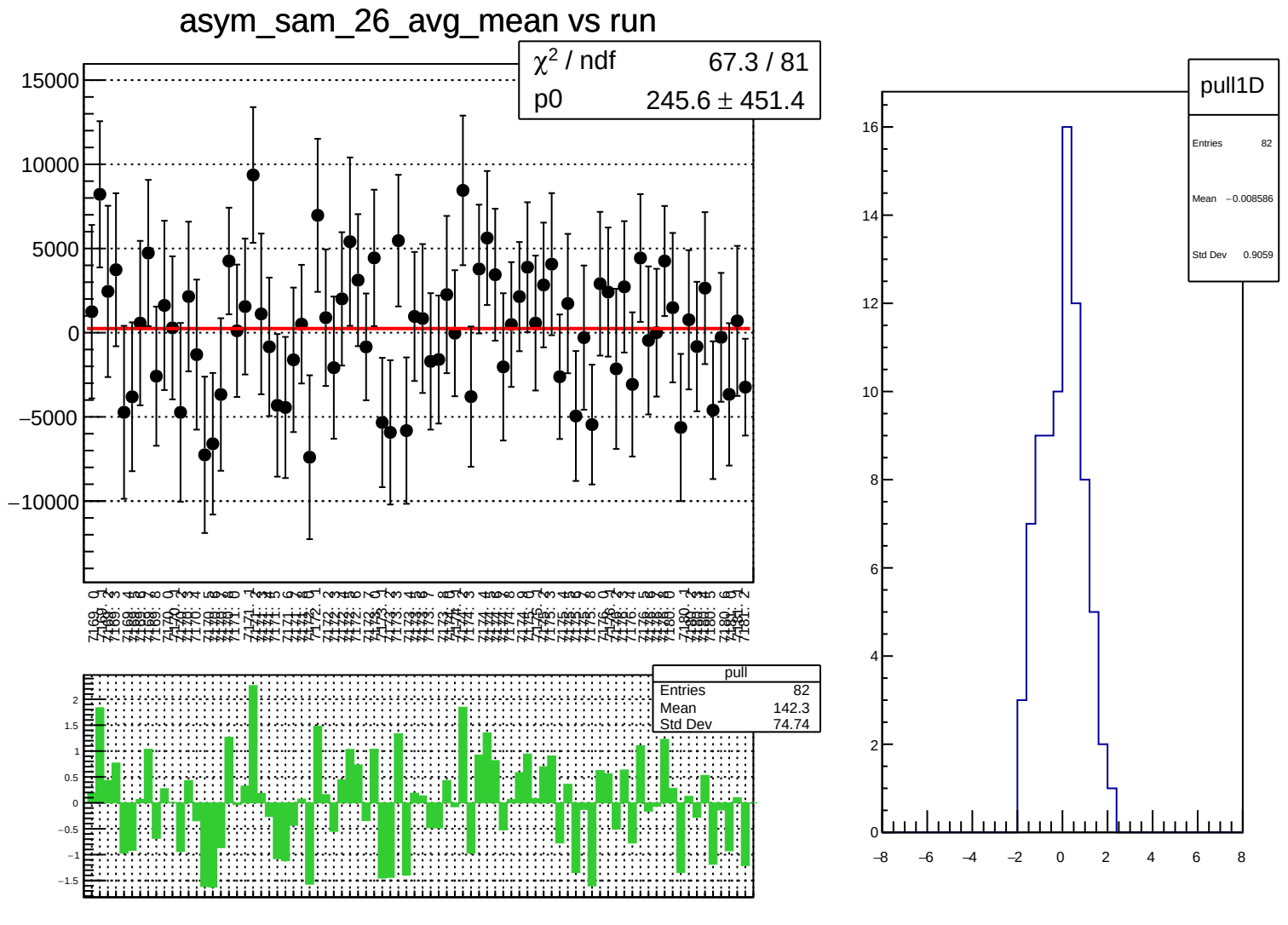

dit_asym_sam_26_avg_mean vs run
χ² / ndf 72.43 / 81
p0 −101.4 ± 92.31
pull
Entries 82
Mean 13.39
Std Dev 45.61
pull1D
Entries 82
Mean −0.02114
Std Dev 0.9396

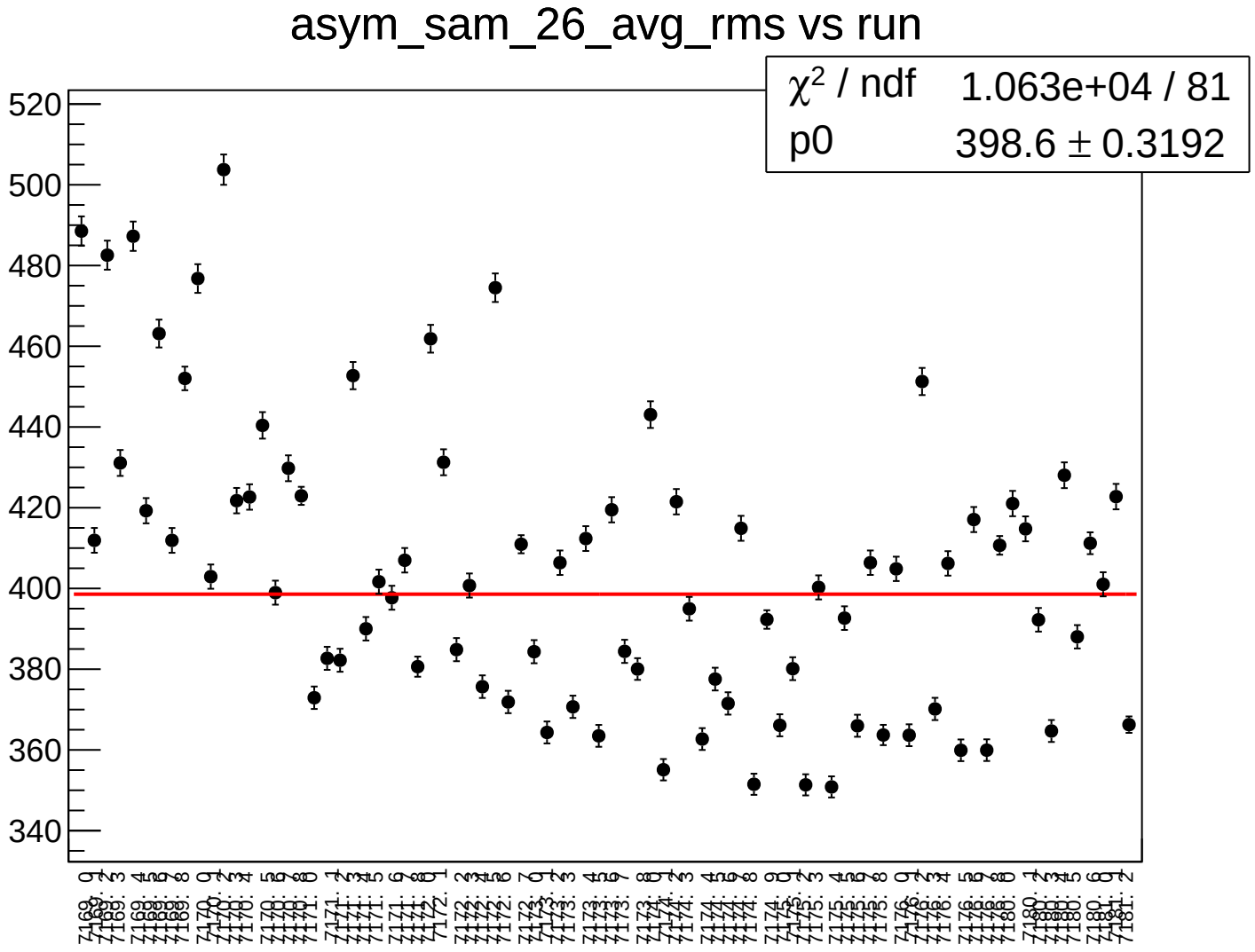
dit_asym_sam_26_avg_rms vs run

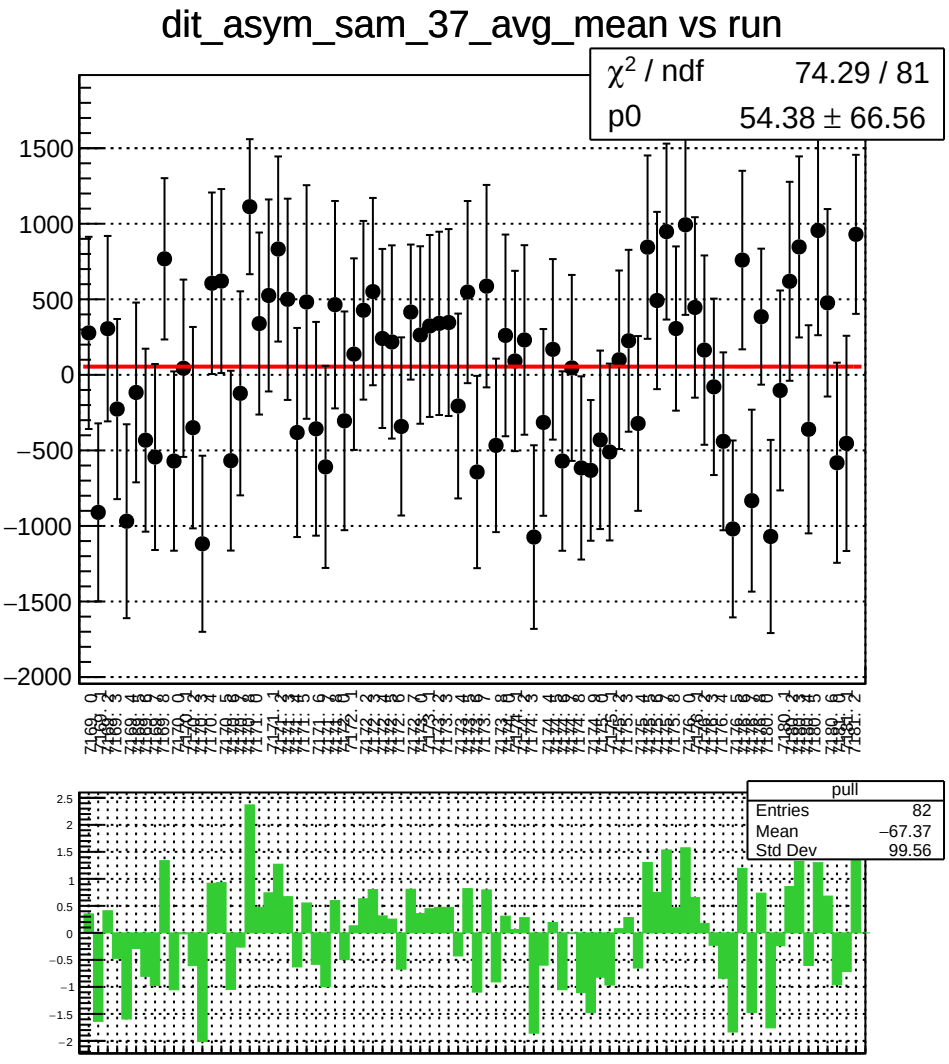


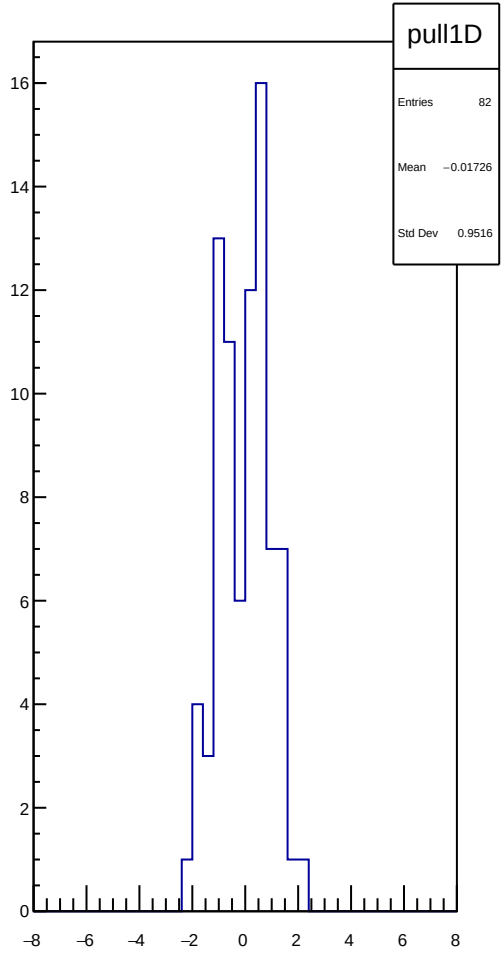

asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 64.24 / 81
p0 −336 ± 449.5
pull
Entries 82
Mean 442.1
Std Dev 379.4
pull1D
Entries 82
Mean 0.002752
Std Dev 0.8851

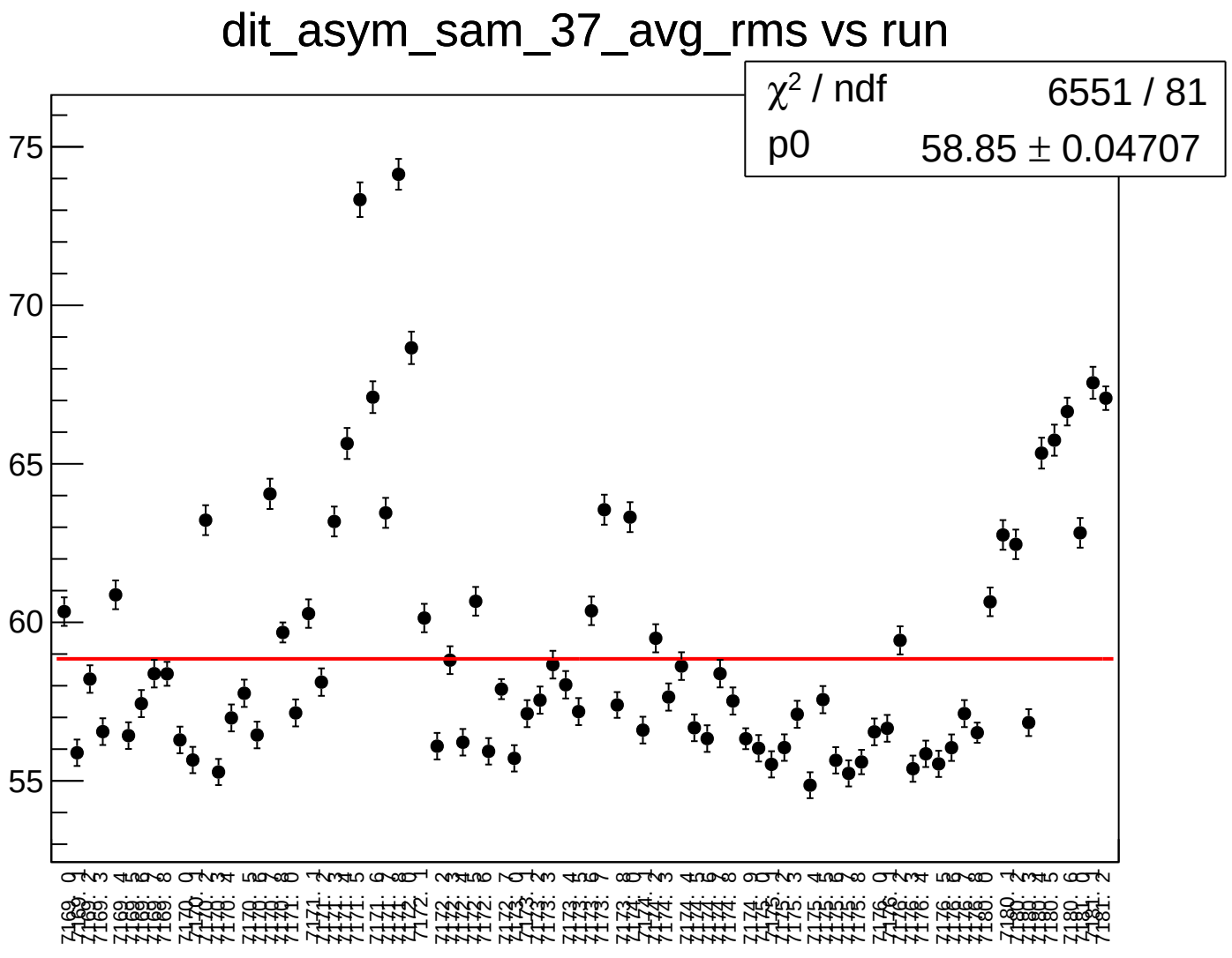

asym_sam_26_avg_correction_rms vs run
χ^2 / ndf 7749 / 81
p0 397.2 ± 0.3178
500
480
460
440
420
400
380
360
340

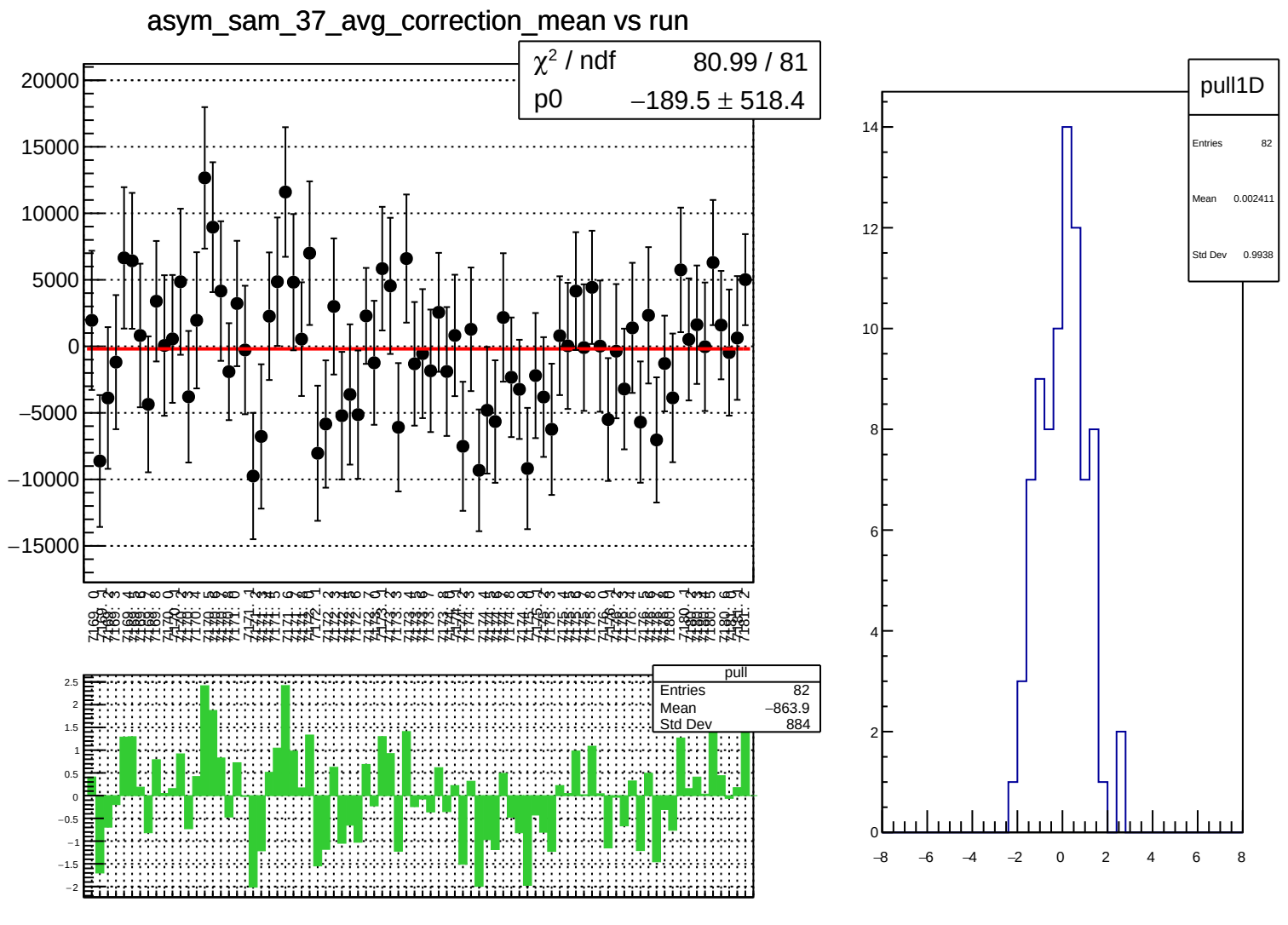

asym_sam_26_avg_mean vs run
χ² / ndf 67.3 / 81
p0 245.6 ± 451.4
pull
Entries 82
Mean 142.3
Std Dev 74.74
pull1D
Entries 82
Mean −0.008586
Std Dev 0.9059


asym_sam_26_avg_rms vs run
χ^2 / ndf 1.063e+04 / 81
p0 398.6 ± 0.3192
520
500
480
460
440
420
400
380
360
340

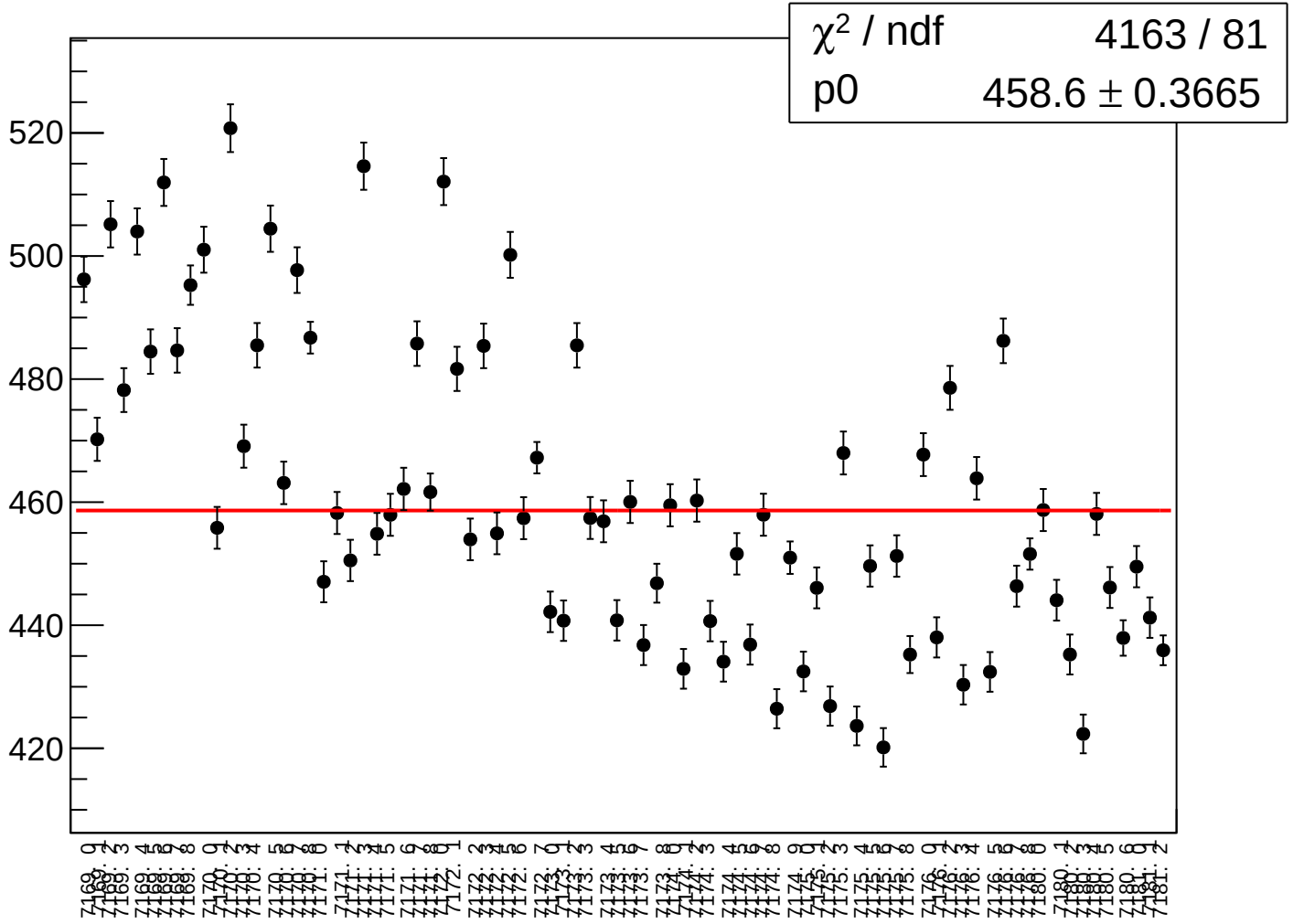

dit_asym_sam_37_avg_mean vs run
χ² / ndf 74.29 / 81
p0 54.38 ± 66.56
pull
Entries 82
Mean −67.37
Std Dev 99.56

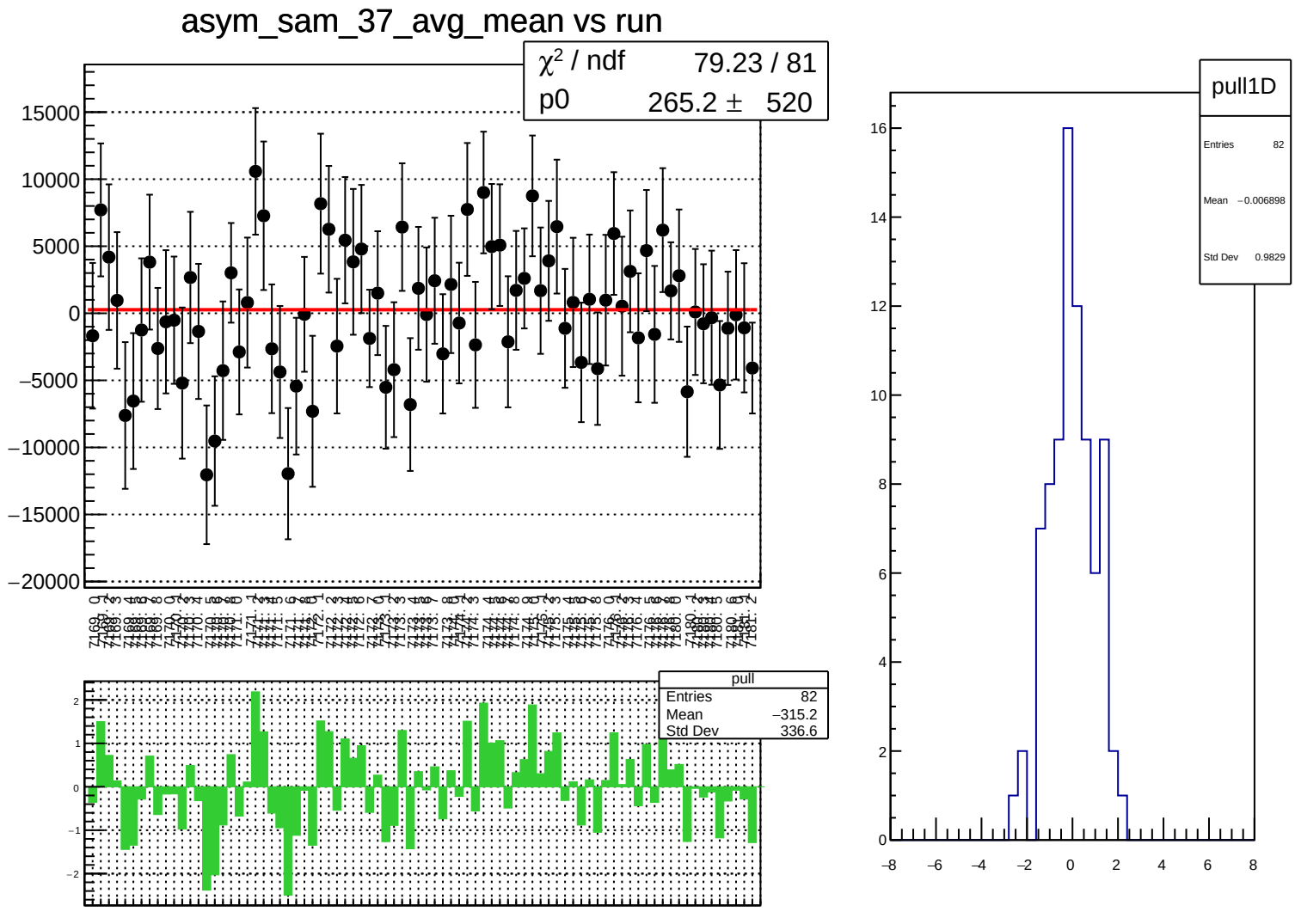

pull1D
Entries 82
Mean −0.01726
Std Dev 0.9516

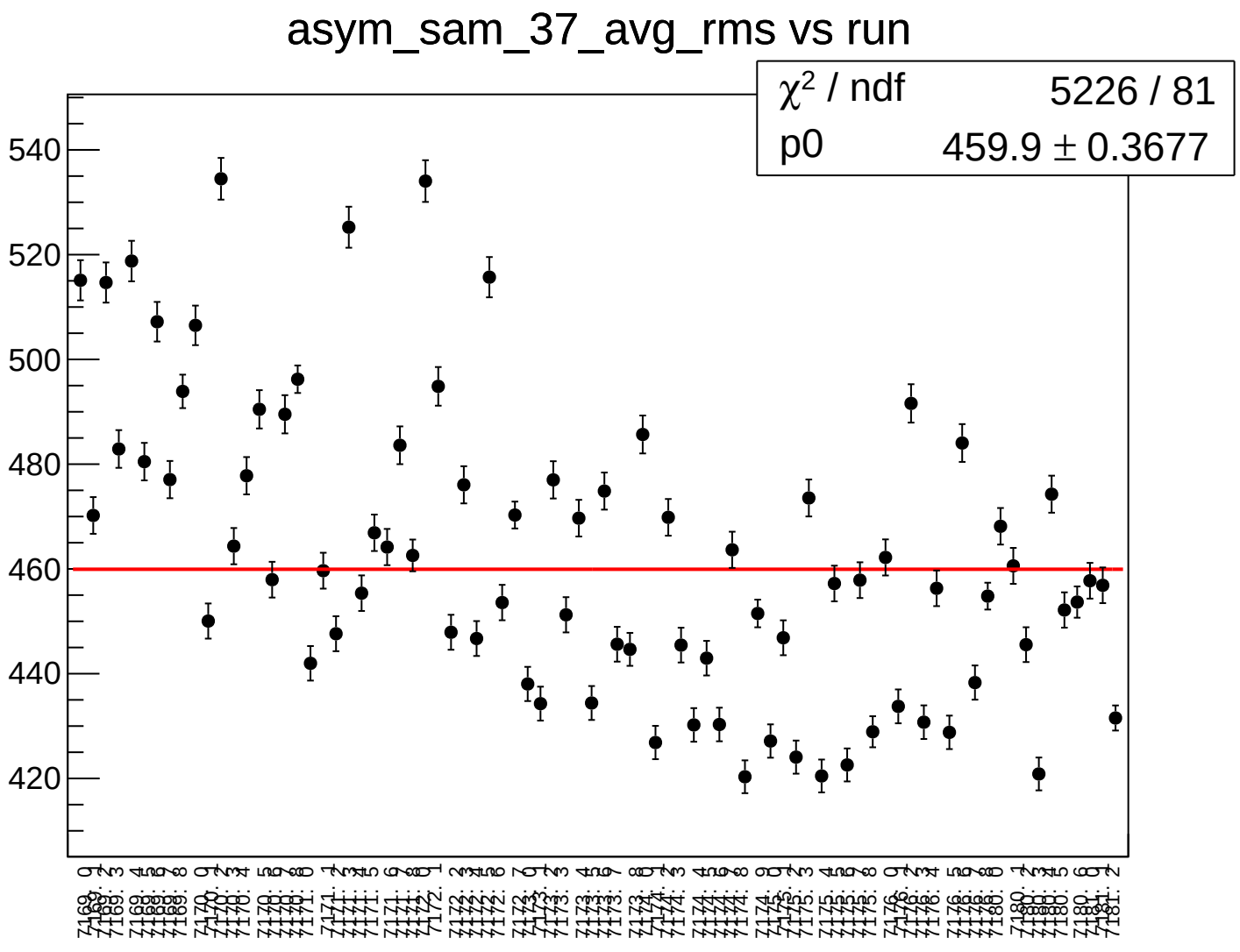

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6551 / 81
p0 58.85 ± 0.04707
75
70
65
60
55

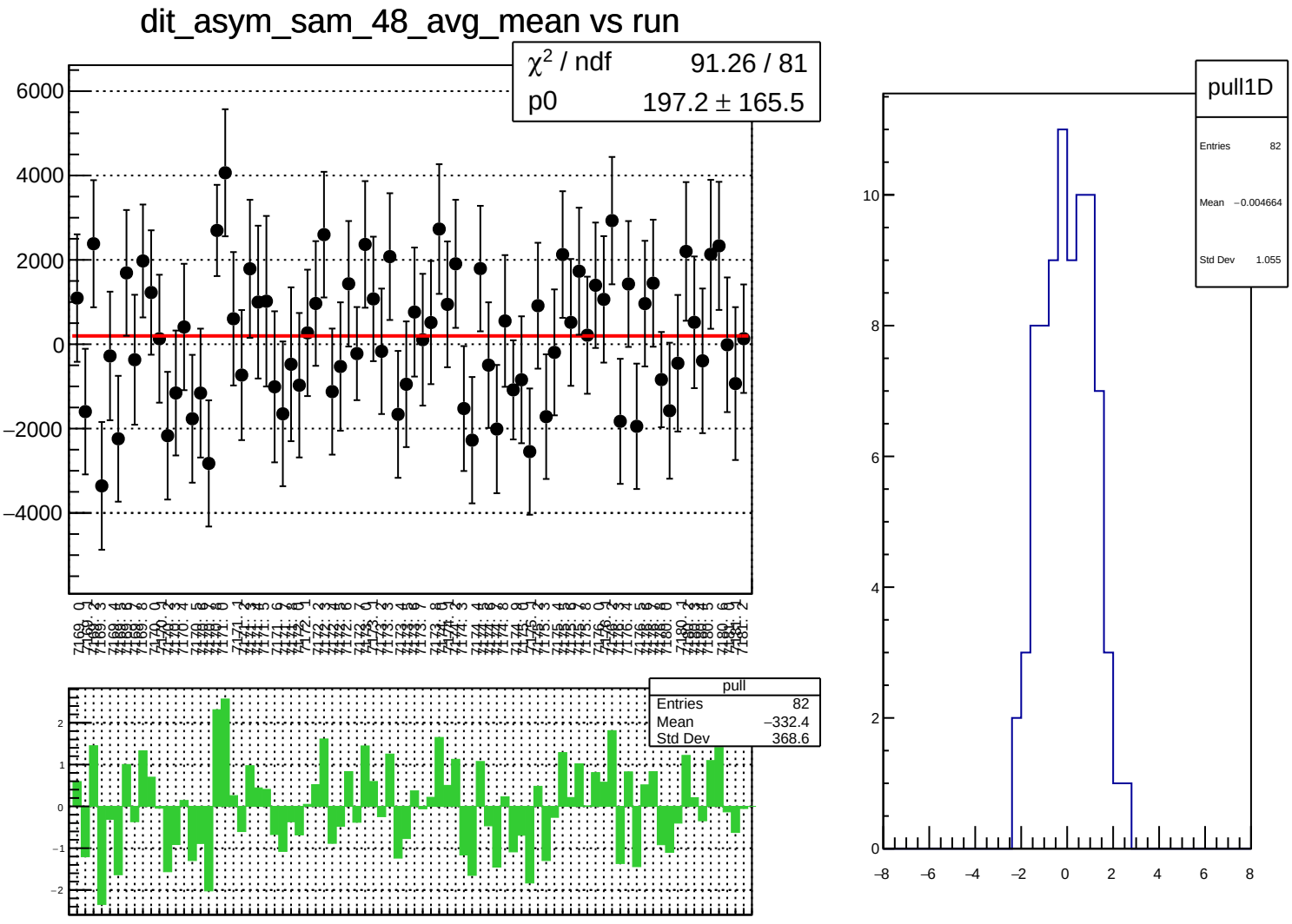

asym_sam_37_avg_correction_mean vs run
χ² / ndf 80.99 / 81
p0 −189.5 ± 518.4
pull
Entries 82
Mean −863.9
Std Dev 884
pull1D
Entries 82
Mean 0.002411
Std Dev 0.9938

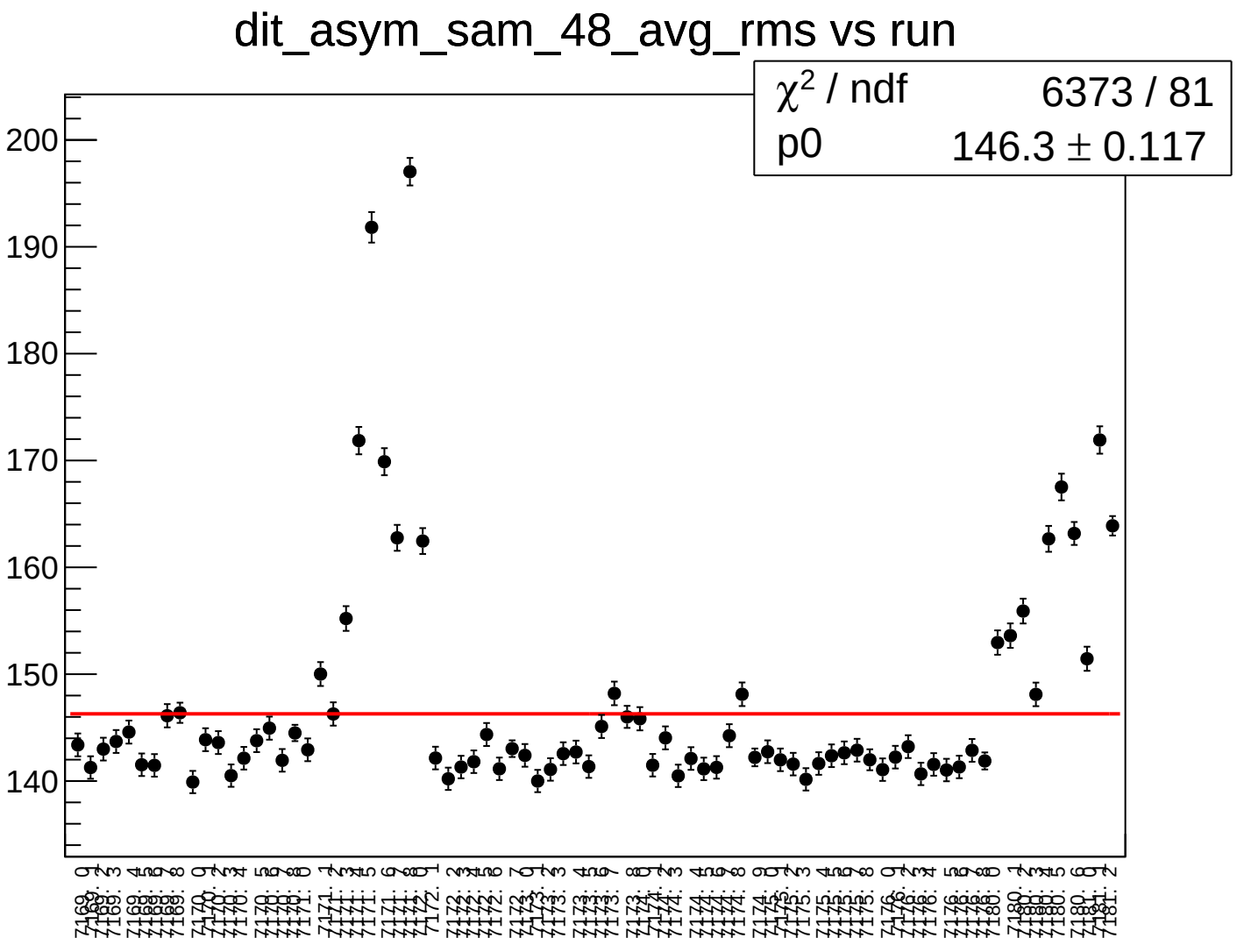
asym_sam_37_avg_correction_rms vs run

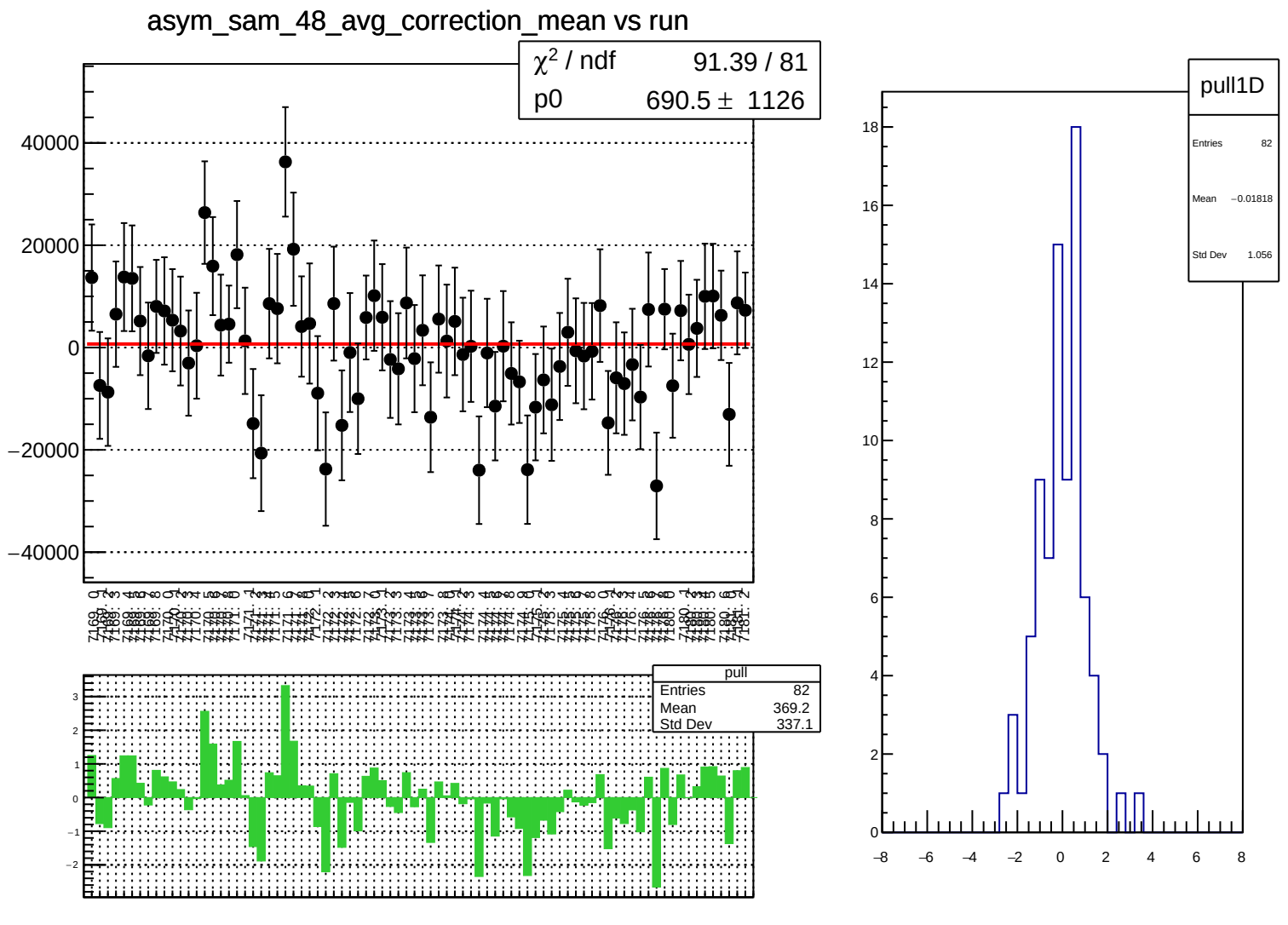


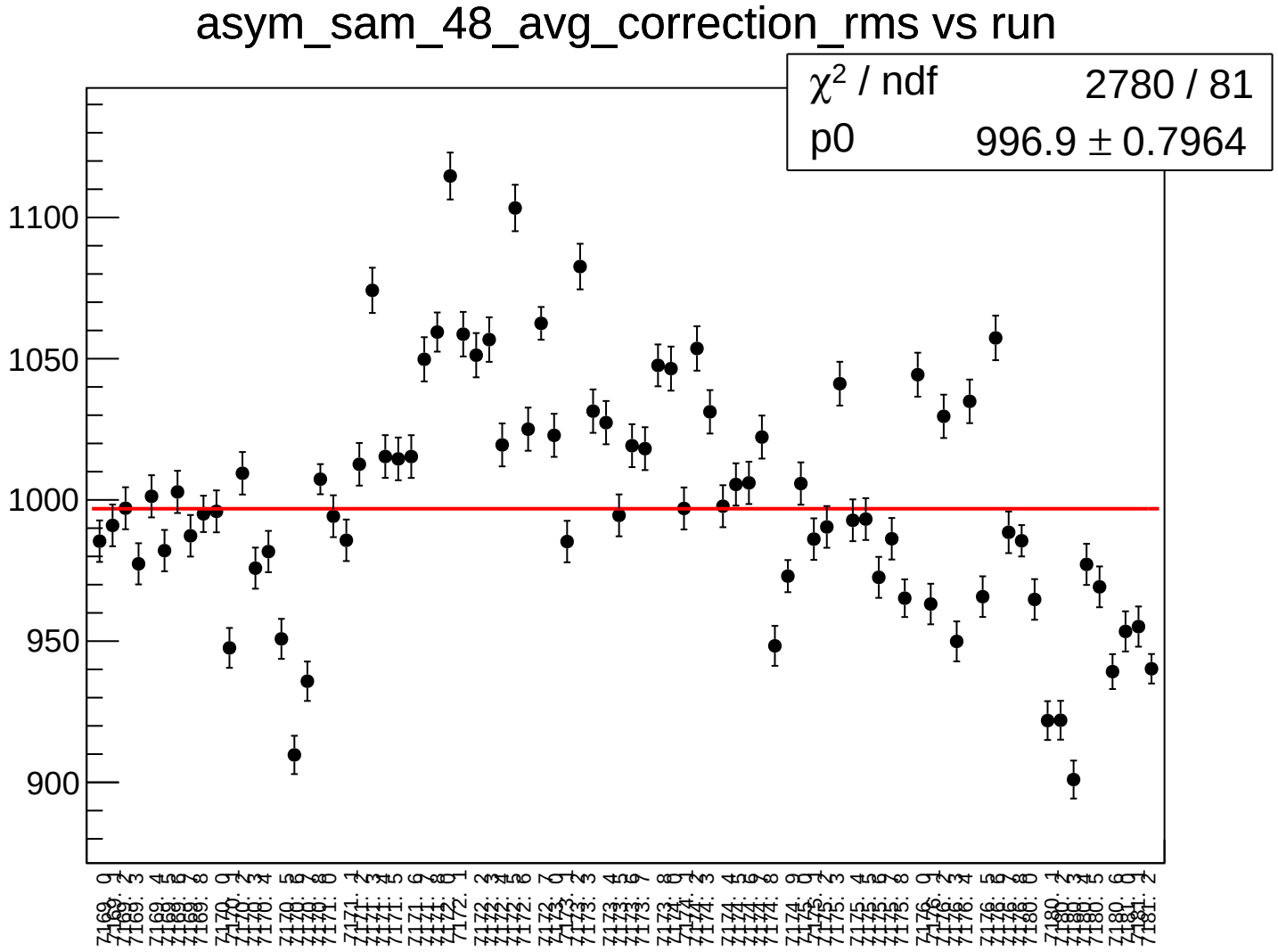

asym_sam_37_avg_mean vs run
χ² / ndf 79.23 / 81
p0 265.2 ± 520
pull
Entries 82
Mean −315.2
Std Dev 336.6
pull1D
Entries 82
Mean −0.006898
Std Dev 0.9829

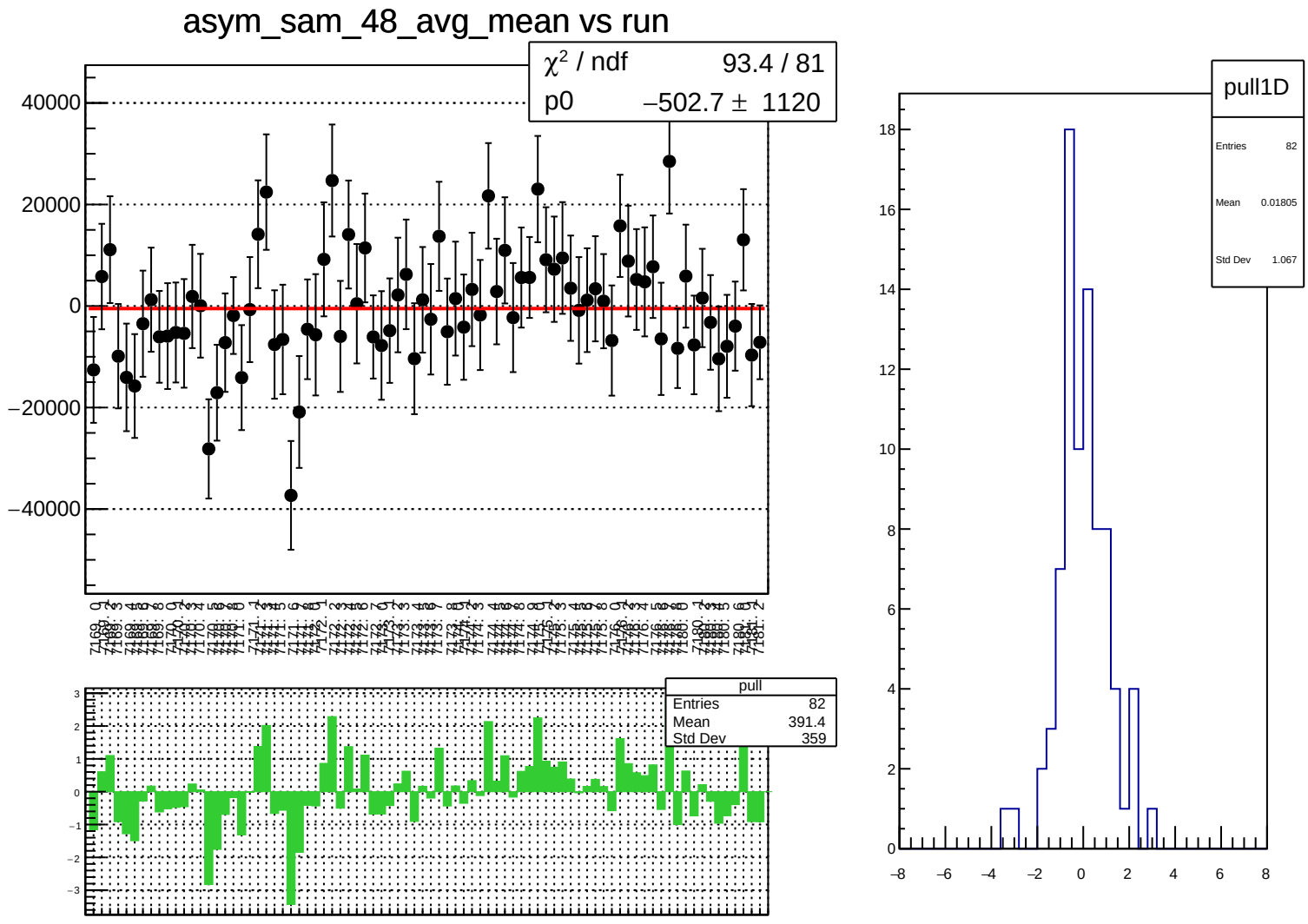

asym_sam_37_avg_rms vs run
χ^2 / ndf 5226 / 81
p0 459.9 ± 0.3677
540
520
500
480
460
440
420

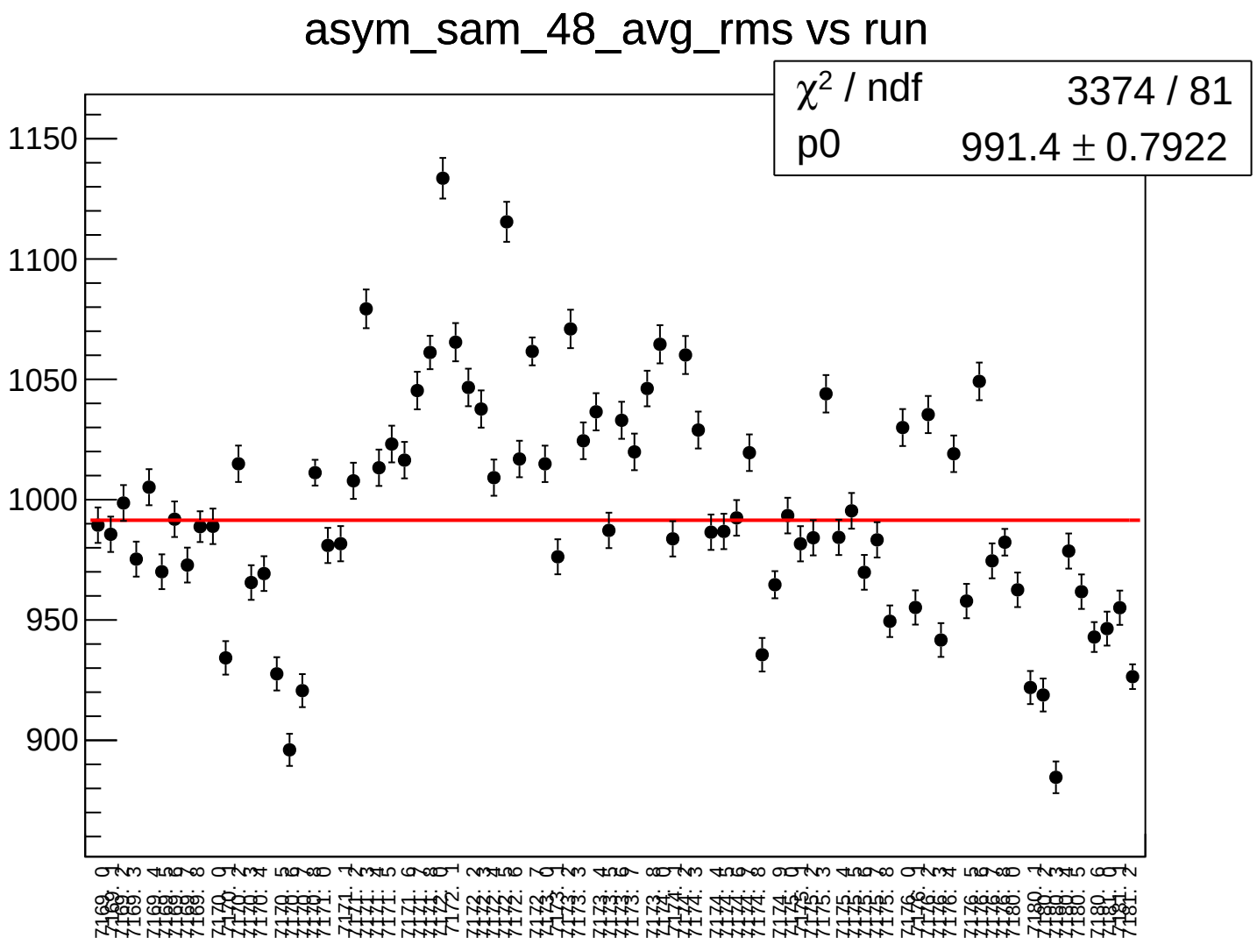

dit_asym_sam_48_avg_mean vs run
χ² / ndf 91.26 / 81
p0 197.2 ± 165.5
pull
Entries 82
Mean −332.4
Std Dev 368.6
pull1D
Entries 82
Mean −0.004664
Std Dev 1.055

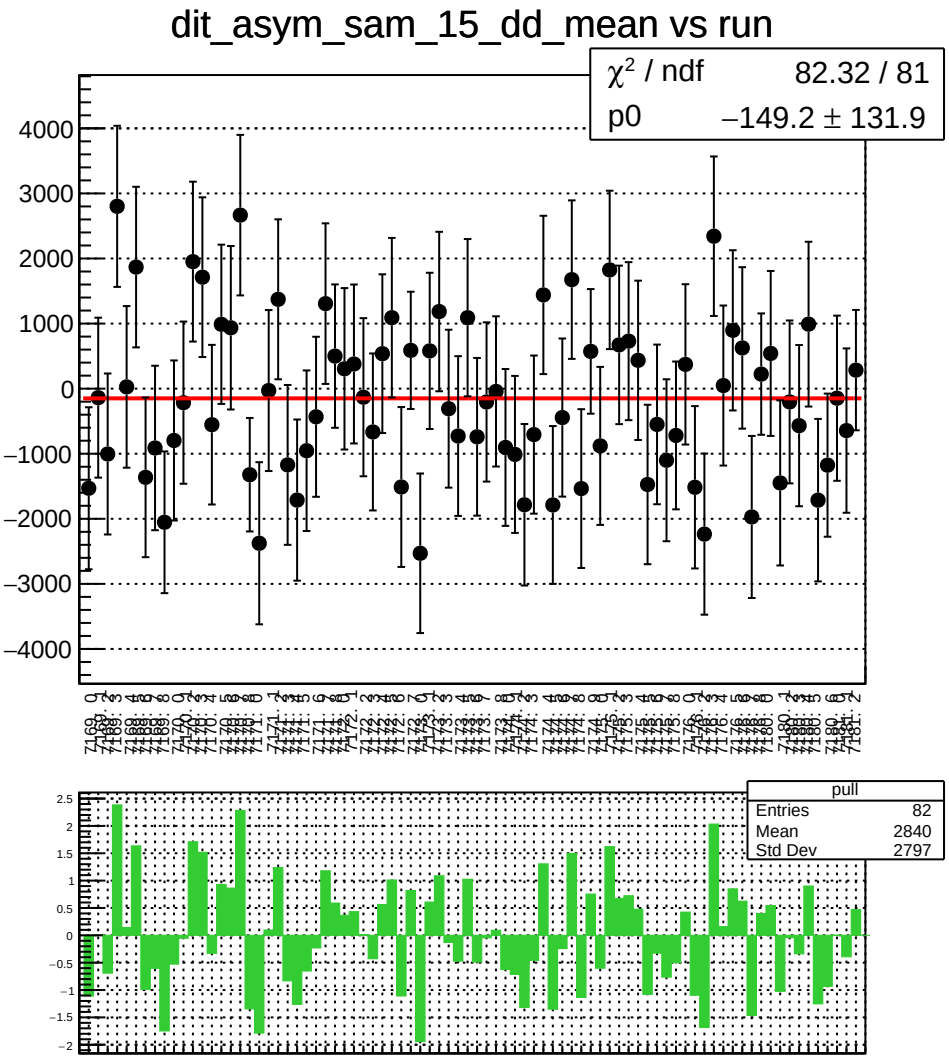

dit_asym_sam_48_avg_rms vs run
χ2 / ndf 6373 / 81
p0 146.3 ± 0.117
200
190
180
170
160
150
140

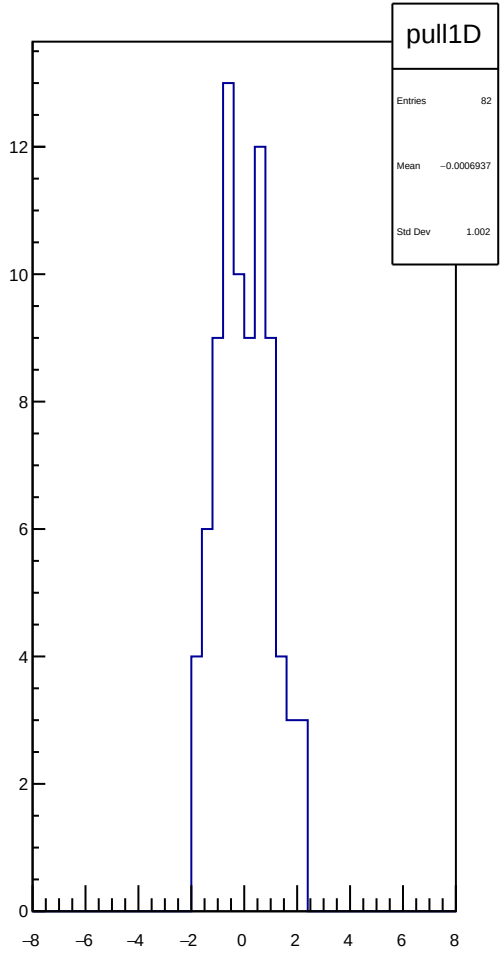

asym_sam_48_avg_correction_mean vs run
χ² / ndf 91.39 / 81
p0 690.5 ± 1126
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 369.2
Std Dev 337.1
pull1D
Entries 82
Mean −0.01818
Std Dev 1.056


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 2780 / 81
p0 996.9 ± 0.7964
1100
1050
1000
950
900

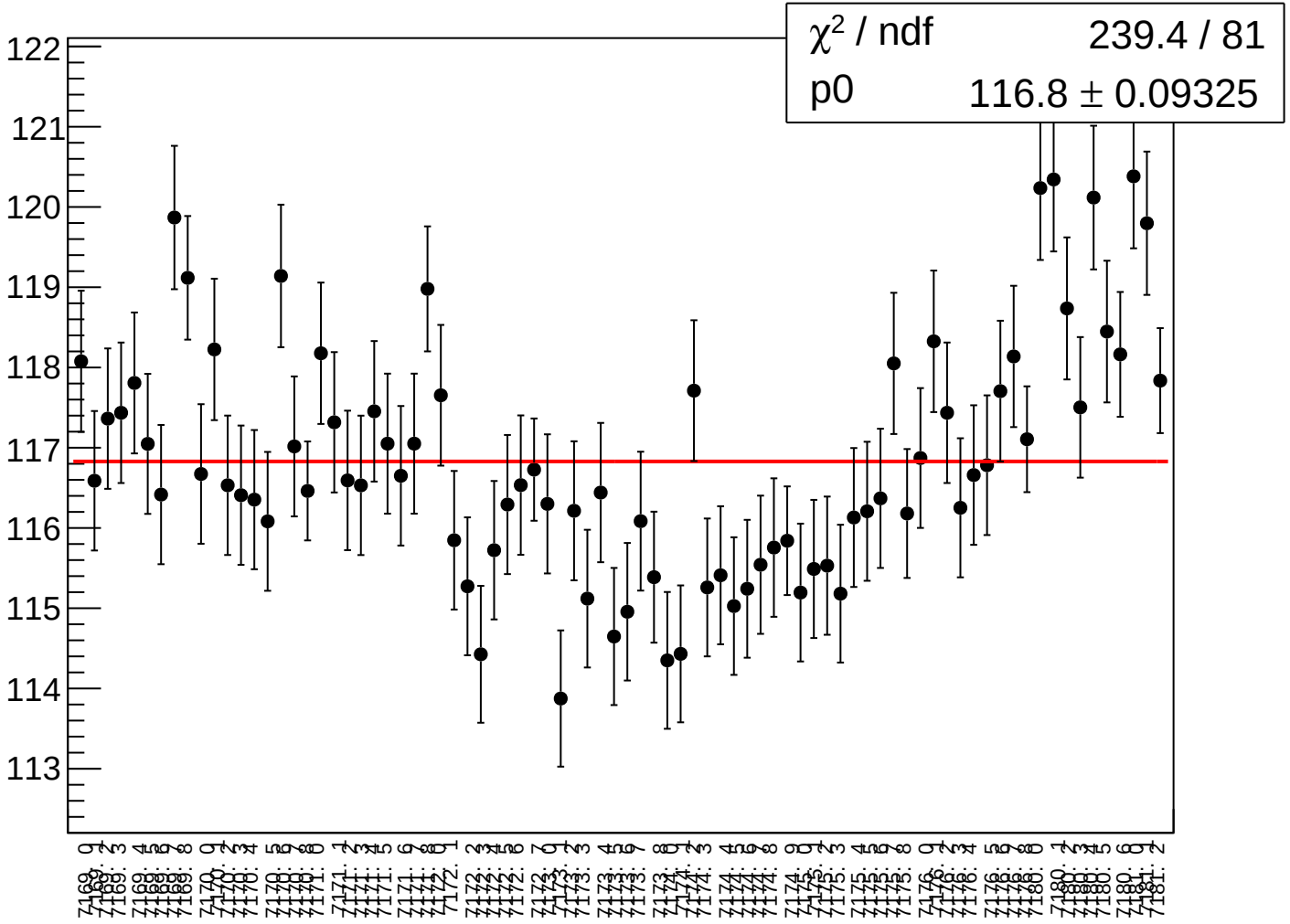

asym_sam_48_avg_mean vs run
χ² / ndf 93.4 / 81
p0 −502.7 ± 1120
40000
20000
0
−20000
−40000
pull
Entries 82
Mean 391.4
Std Dev 359
pull1D
Entries 82
Mean 0.01805
Std Dev 1.067

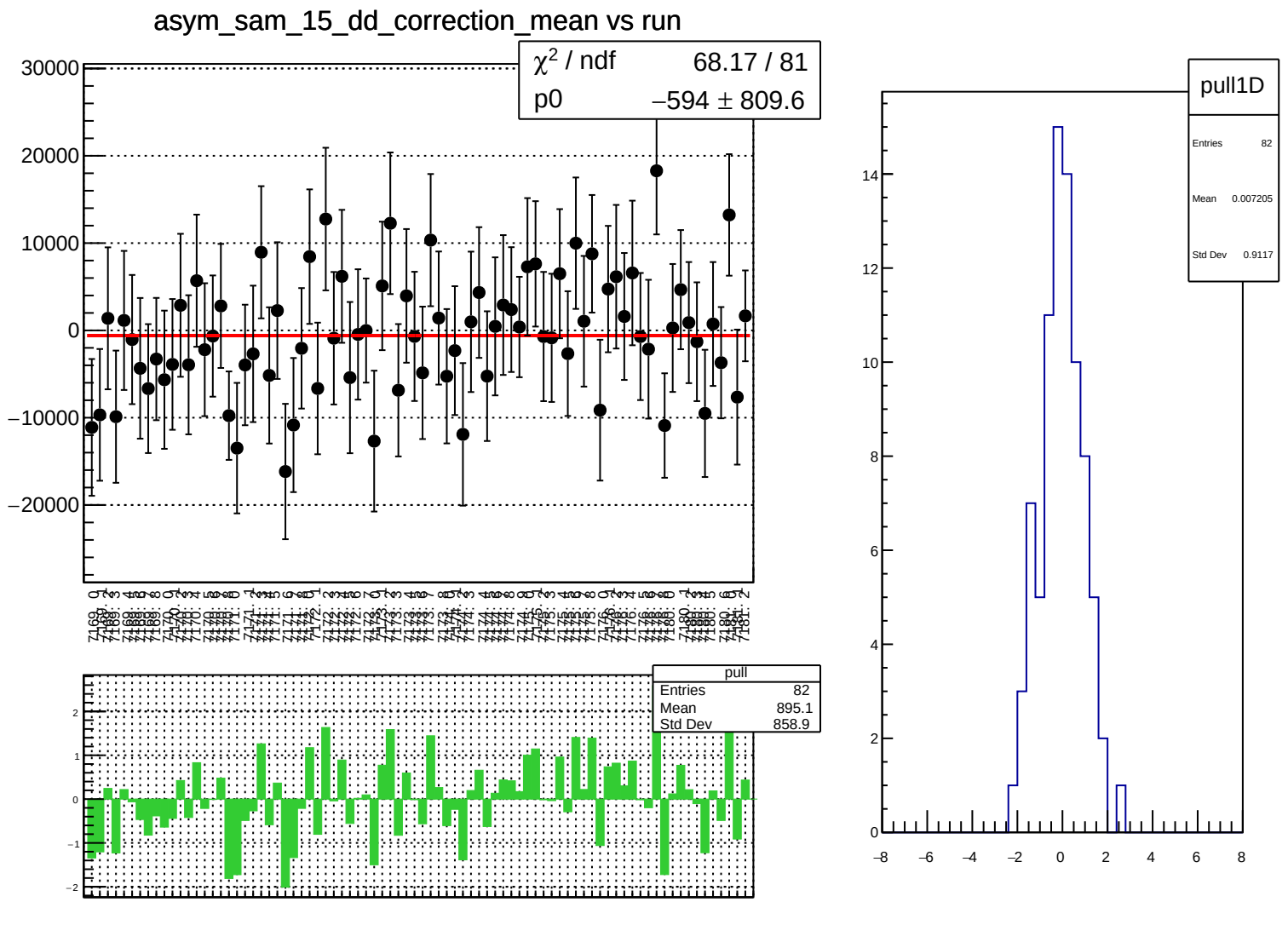

asym_sam_48_avg_rms vs run
χ² / ndf 3374 / 81
p0 991.4 ± 0.7922
1150
1100
1050
1000
950
900


dit_asym_sam_15_dd_mean vs run
χ² / ndf 82.32 / 81
p0 −149.2 ± 131.9
pull
Entries 82
Mean 2840
Std Dev 2797

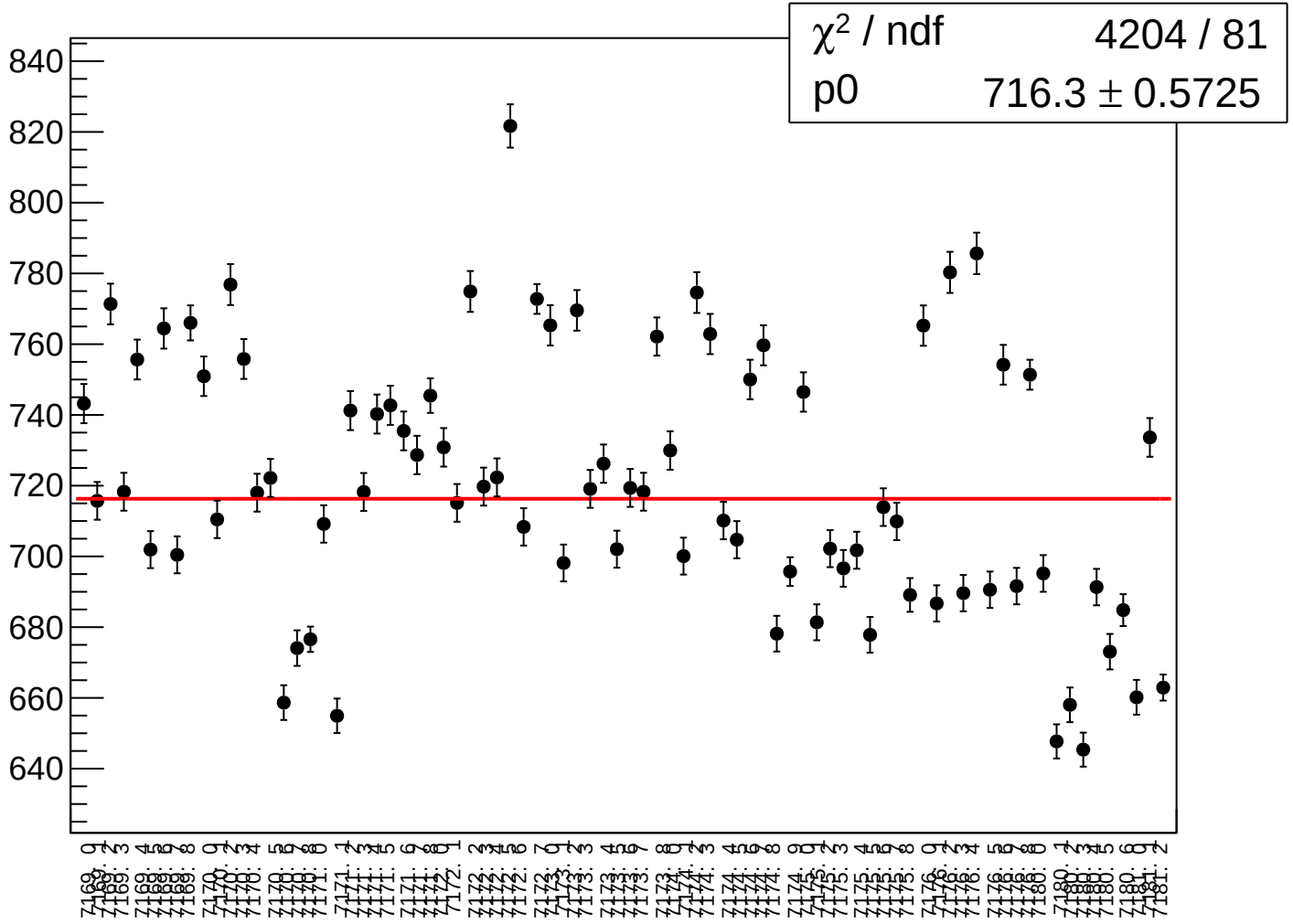

pull1D
Entries 82
Mean −0.0006937
Std Dev 1.002

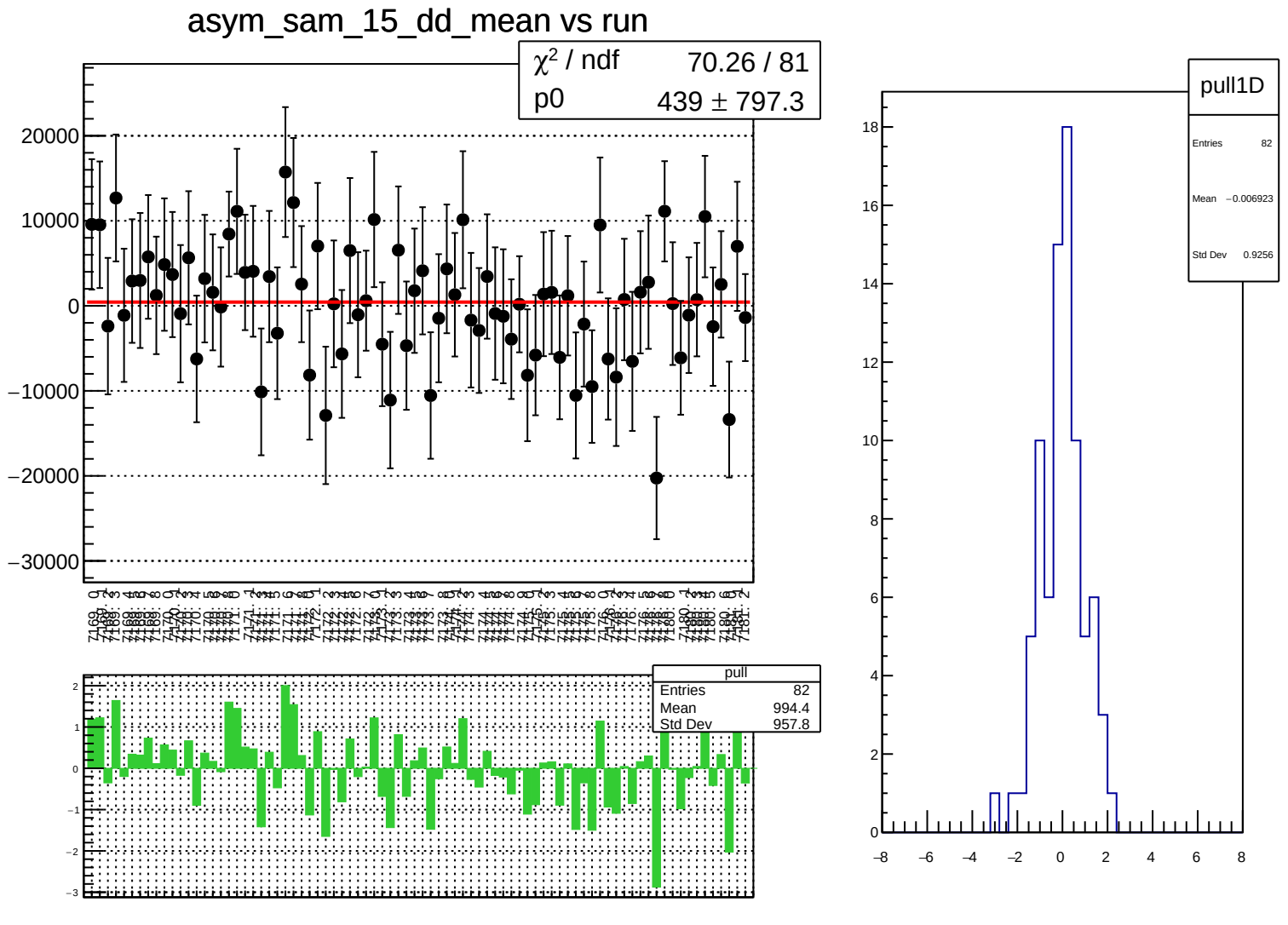
dit_asym_sam_15_dd_rms vs run

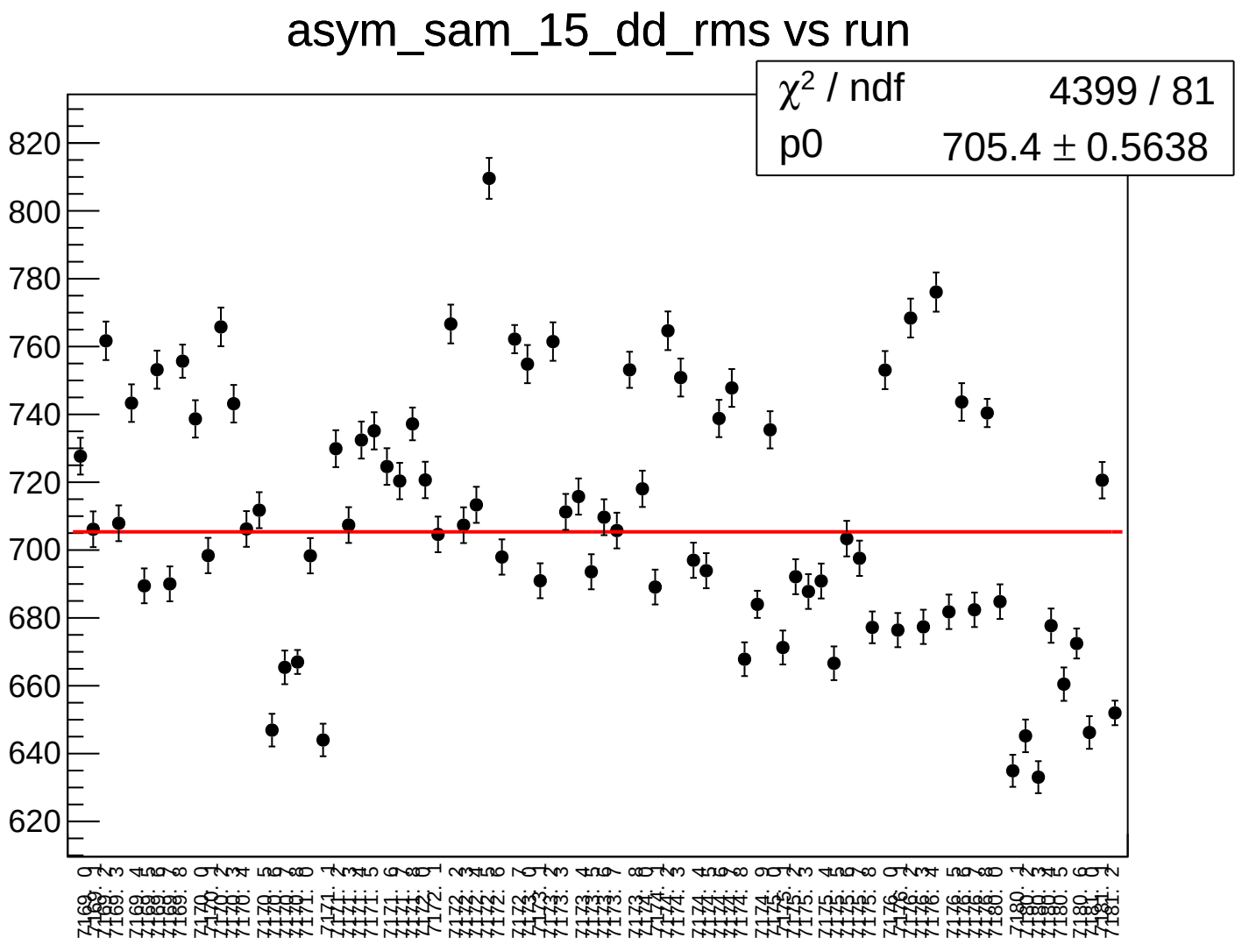


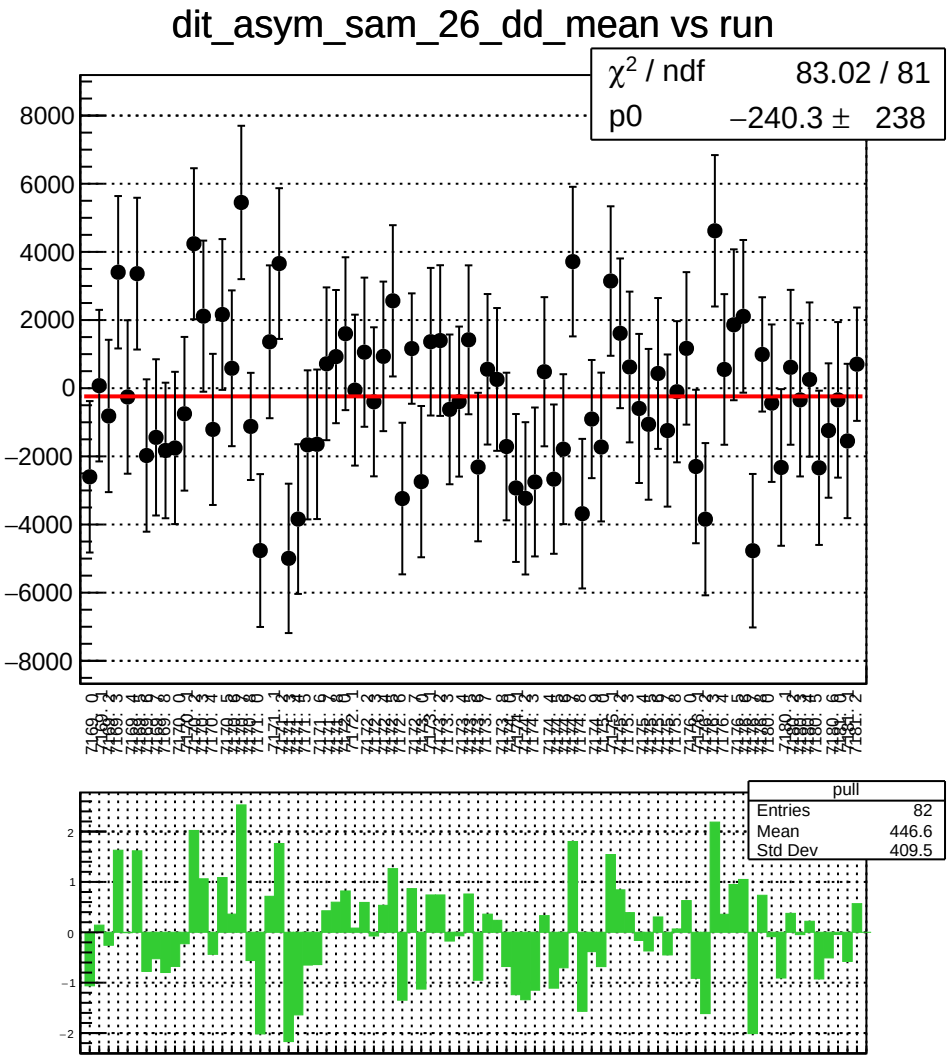

asym_sam_15_dd_correction_mean vs run
χ^2 / ndf 68.17 / 81
p0 −594 ± 809.6
pull
Entries 82
Mean 895.1
Std Dev 858.9
pull1D
Entries 82
Mean 0.007205
Std Dev 0.9117

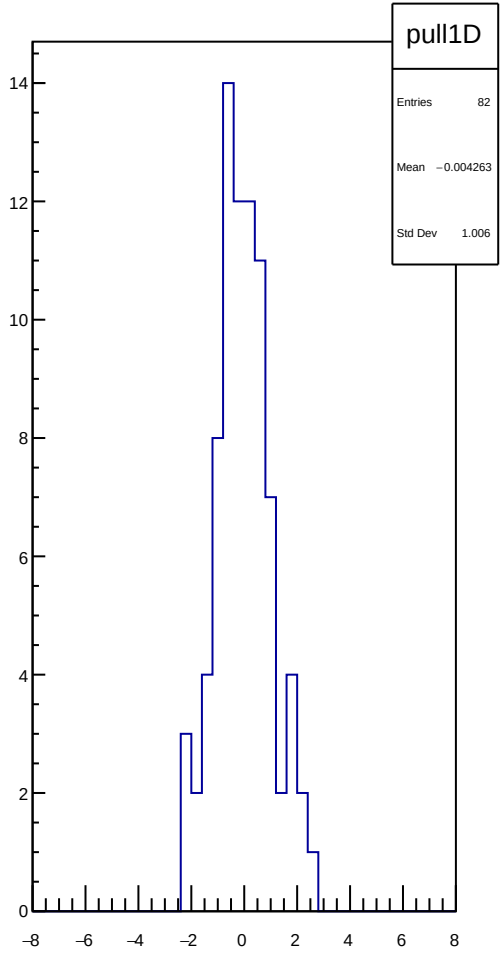
asym_sam_15_dd_correction_rms vs run

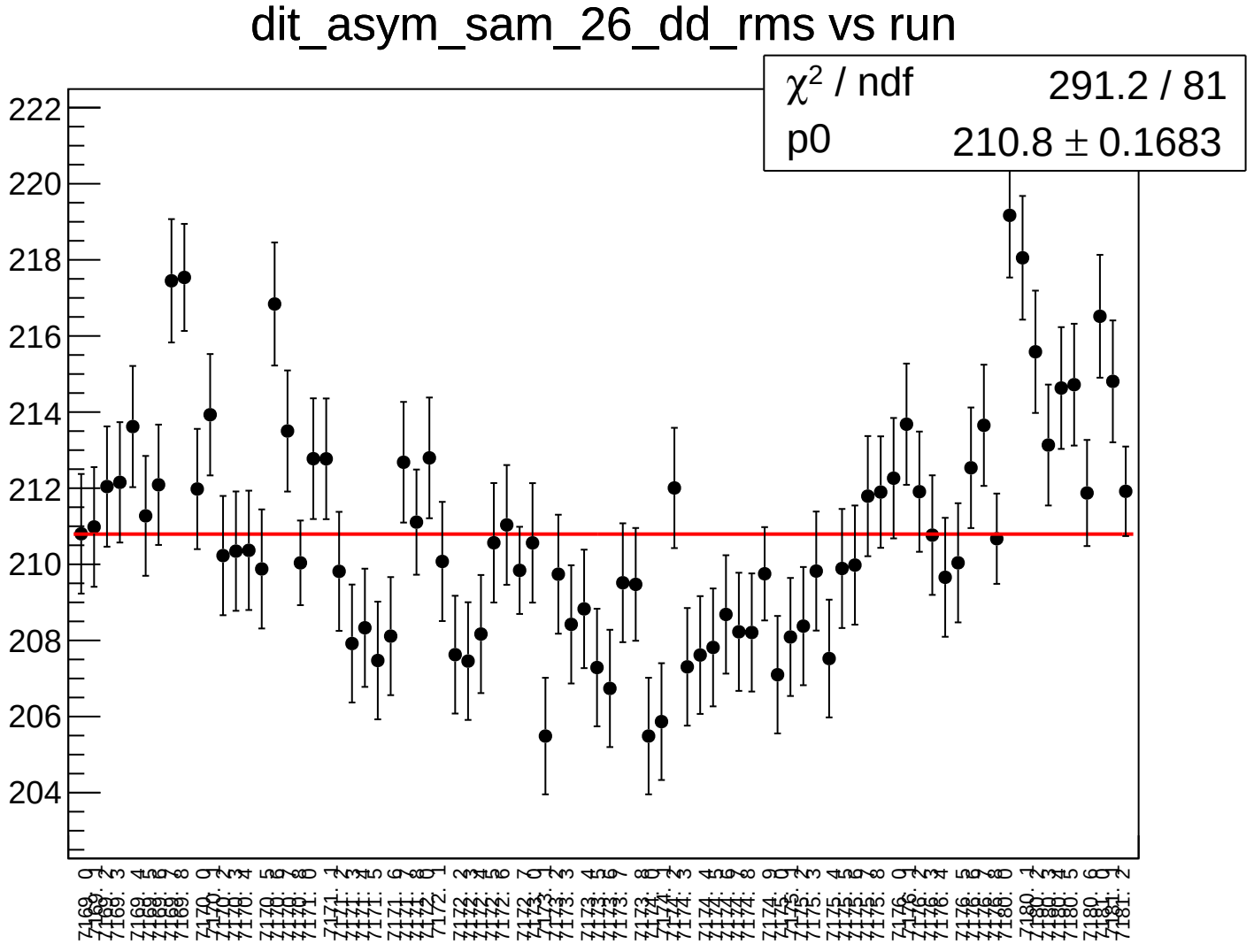


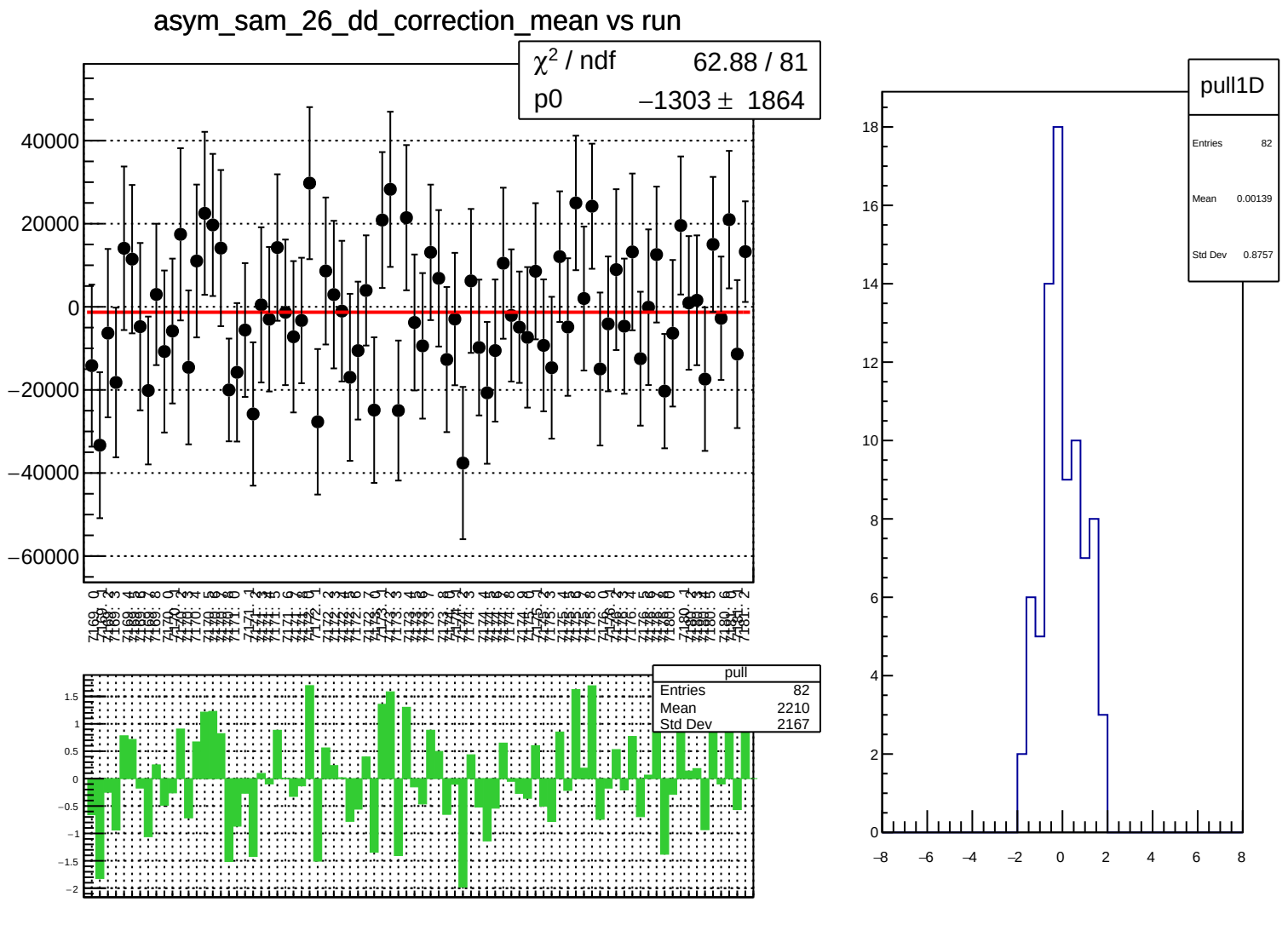

asym_sam_15_dd_mean vs run
χ² / ndf 70.26 / 81
p0 439 ± 797.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 994.4
Std Dev 957.8
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean −0.006923
Std Dev 0.9256
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

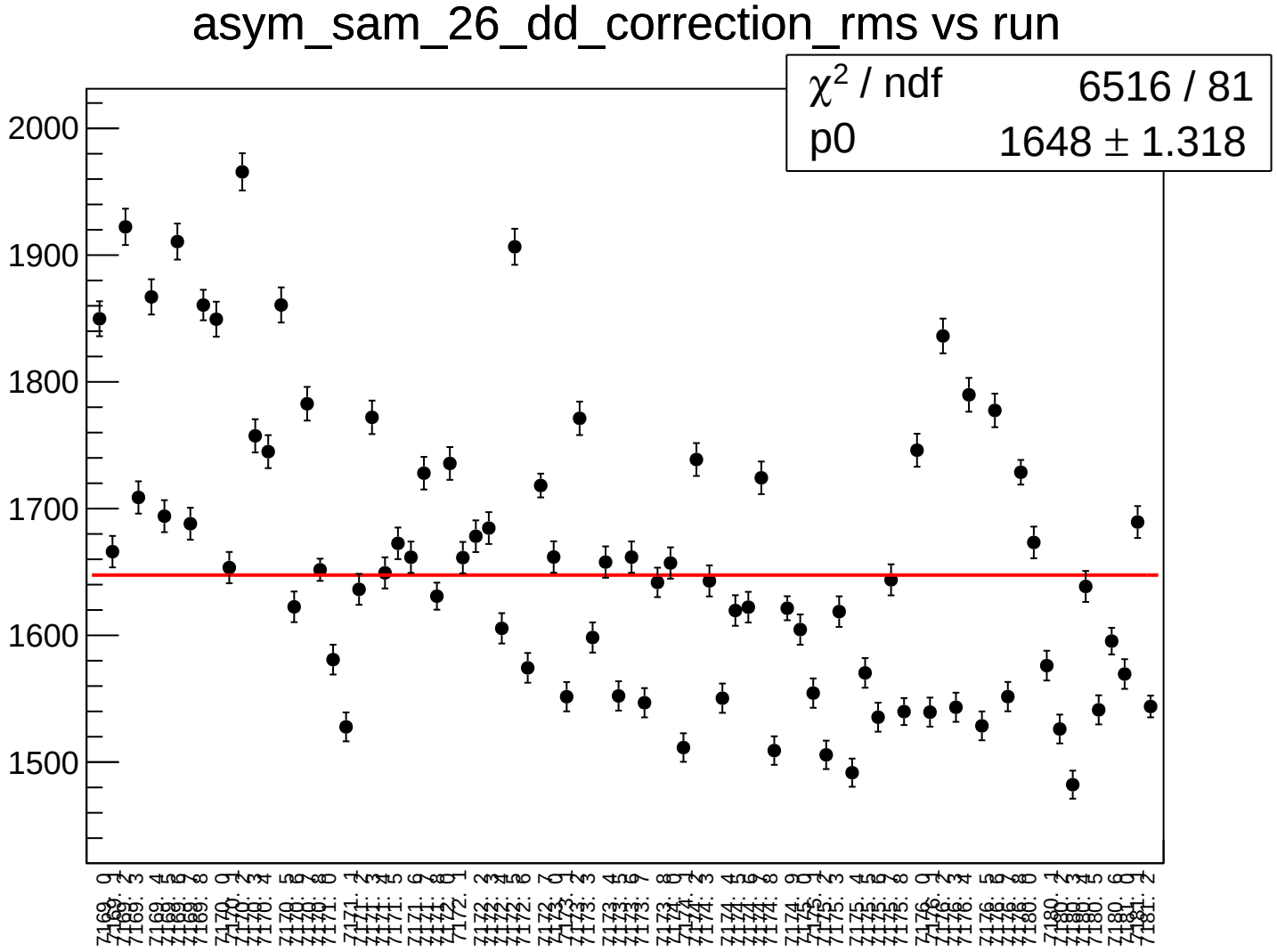

asym_sam_15_dd_rms vs run
χ² / ndf 4399 / 81
p0 705.4 ± 0.5638
820
800
780
760
740
720
700
680
660
640
620

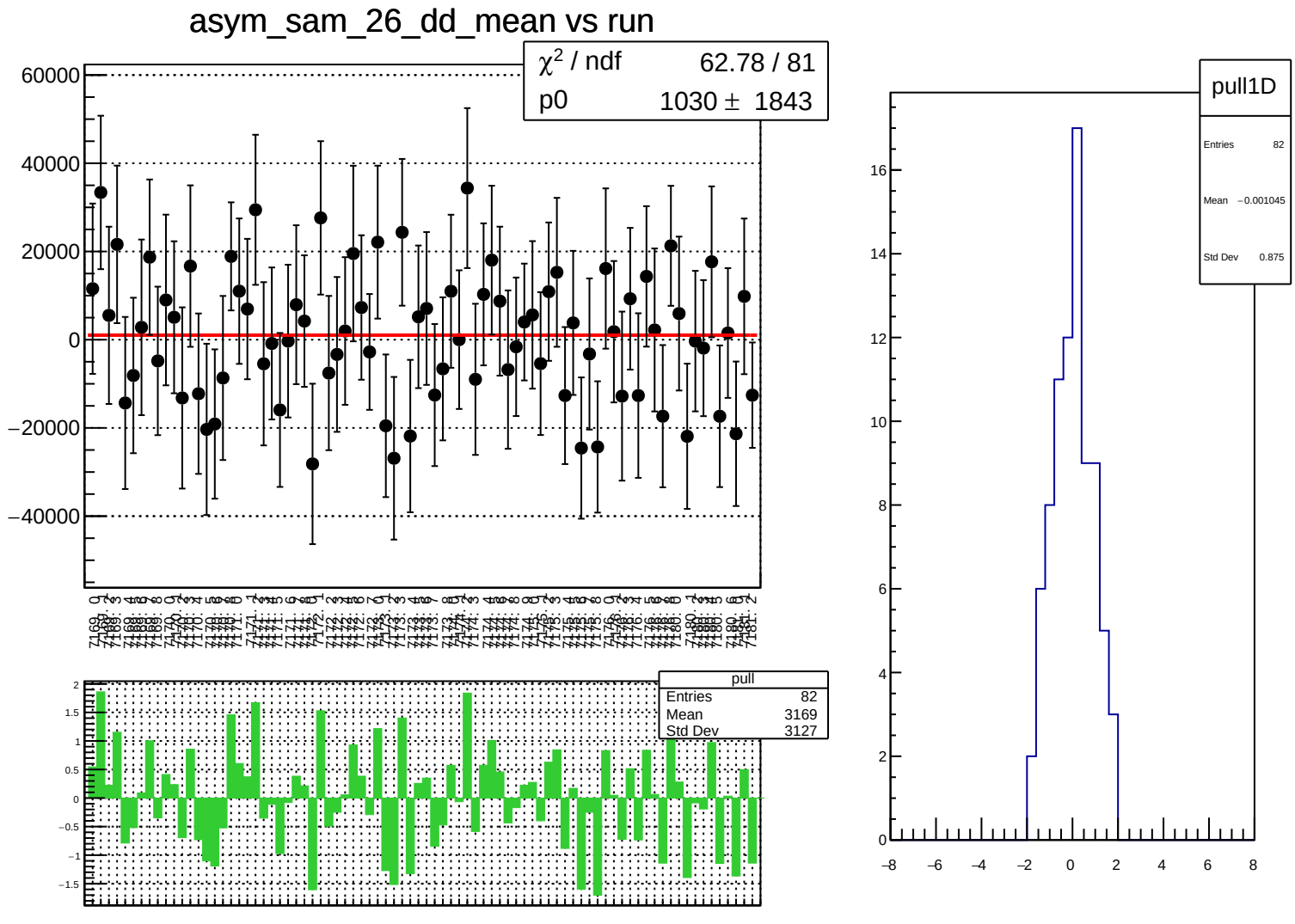

dit_asym_sam_26_dd_mean vs run
χ² / ndf 83.02 / 81
p0 −240.3 ± 238
pull
Entries 82
Mean 446.6
Std Dev 409.5

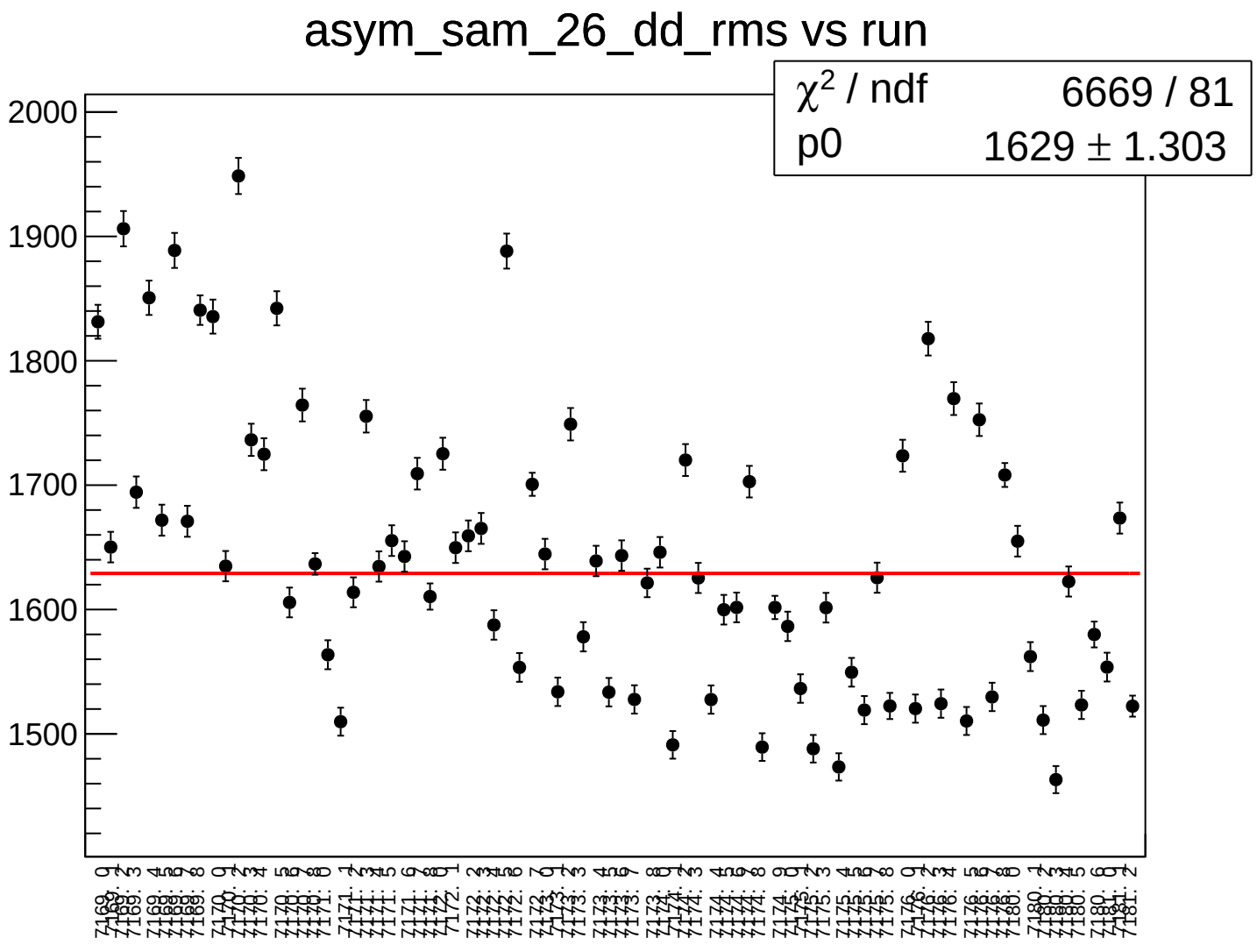

pull1D
Entries 82
Mean −0.004263
Std Dev 1.006

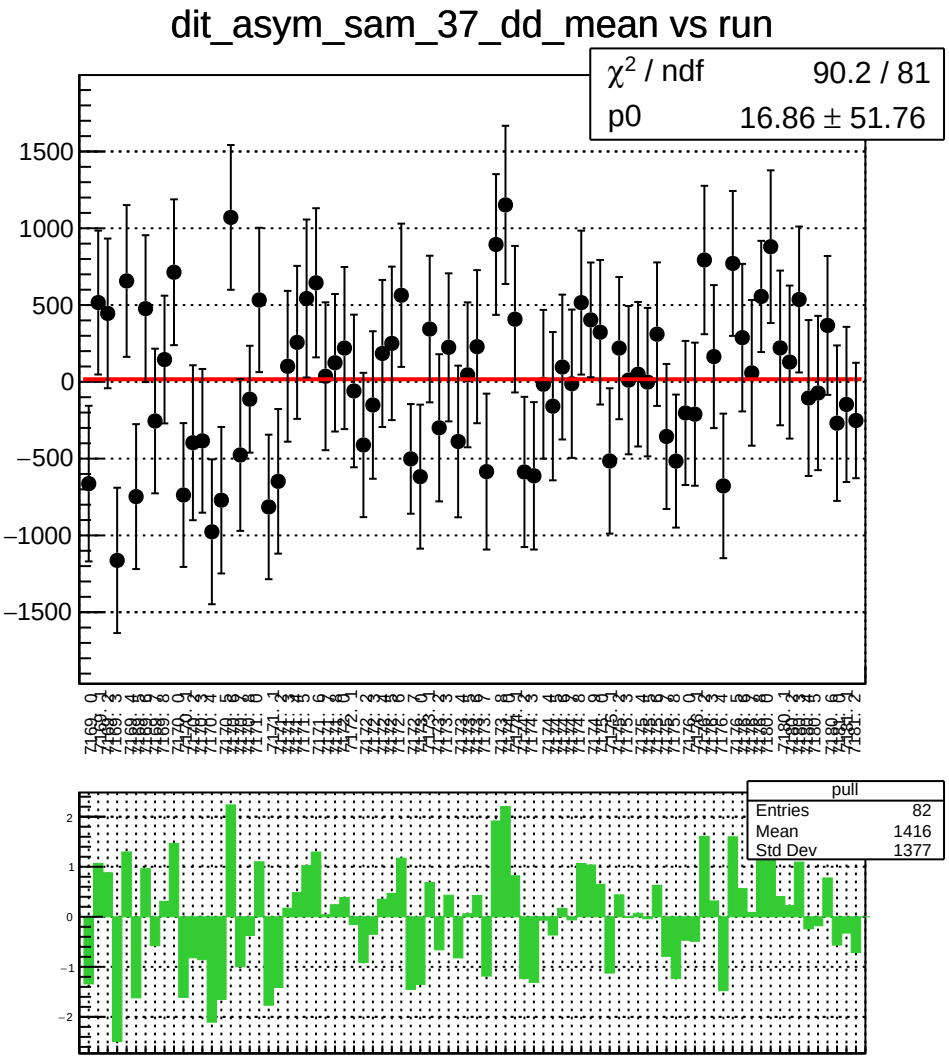

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 291.2 / 81
p0 210.8 ± 0.1683
222
220
218
216
214
212
210
208
206
204

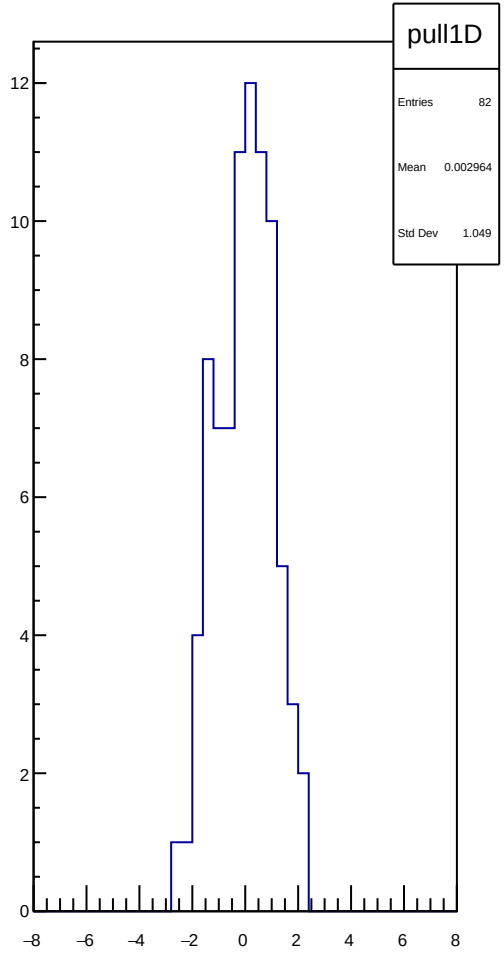

asym_sam_26_dd_correction_mean vs run
χ² / ndf 62.88 / 81
p0 −1303 ± 1864
40000
20000
0
−20000
−40000
−60000
pull
Entries 82
Mean 2210
Std Dev 2167
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.00139
Std Dev 0.8757
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

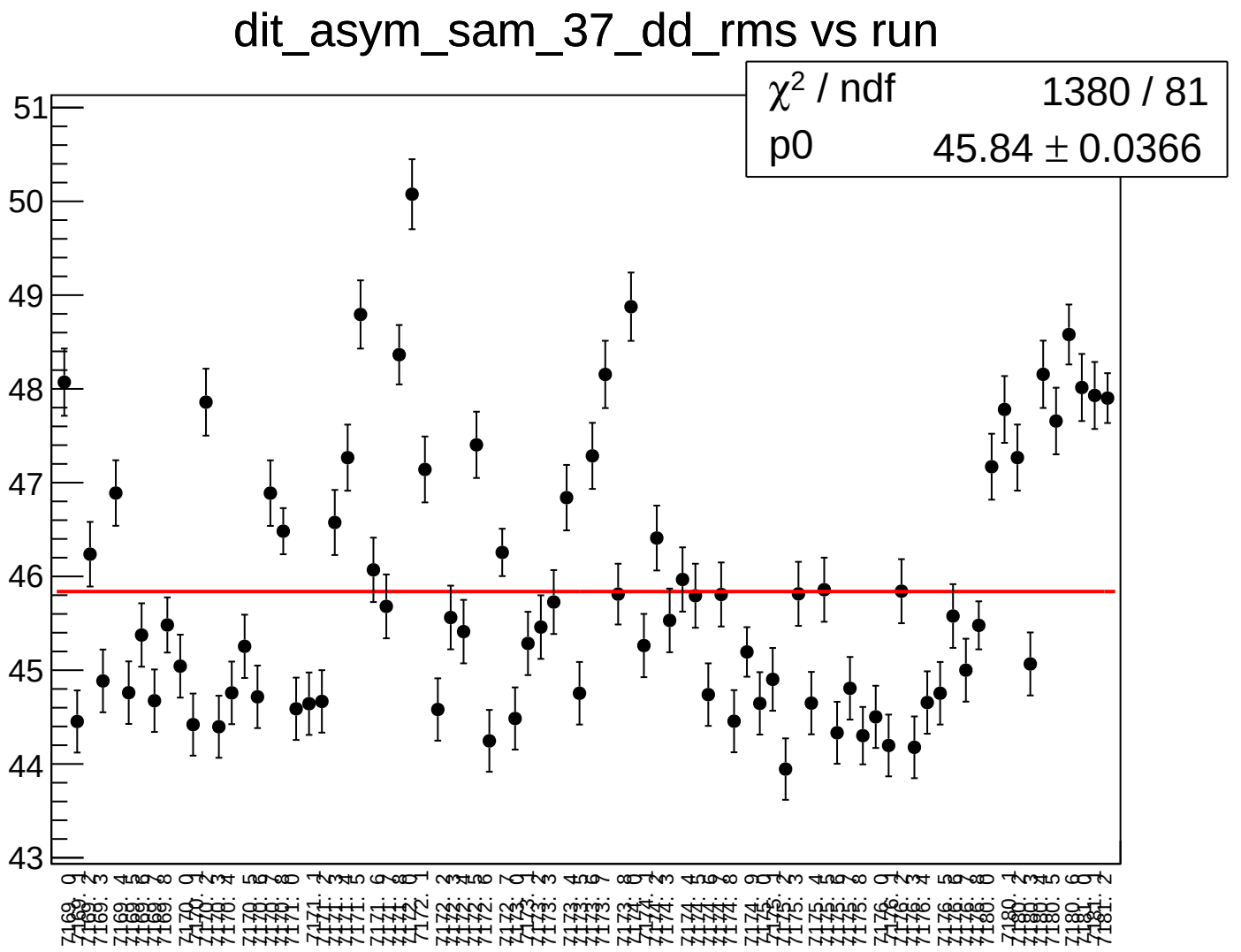

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 6516 / 81
p0 1648 ± 1.318
2000
1900
1800
1700
1600
1500

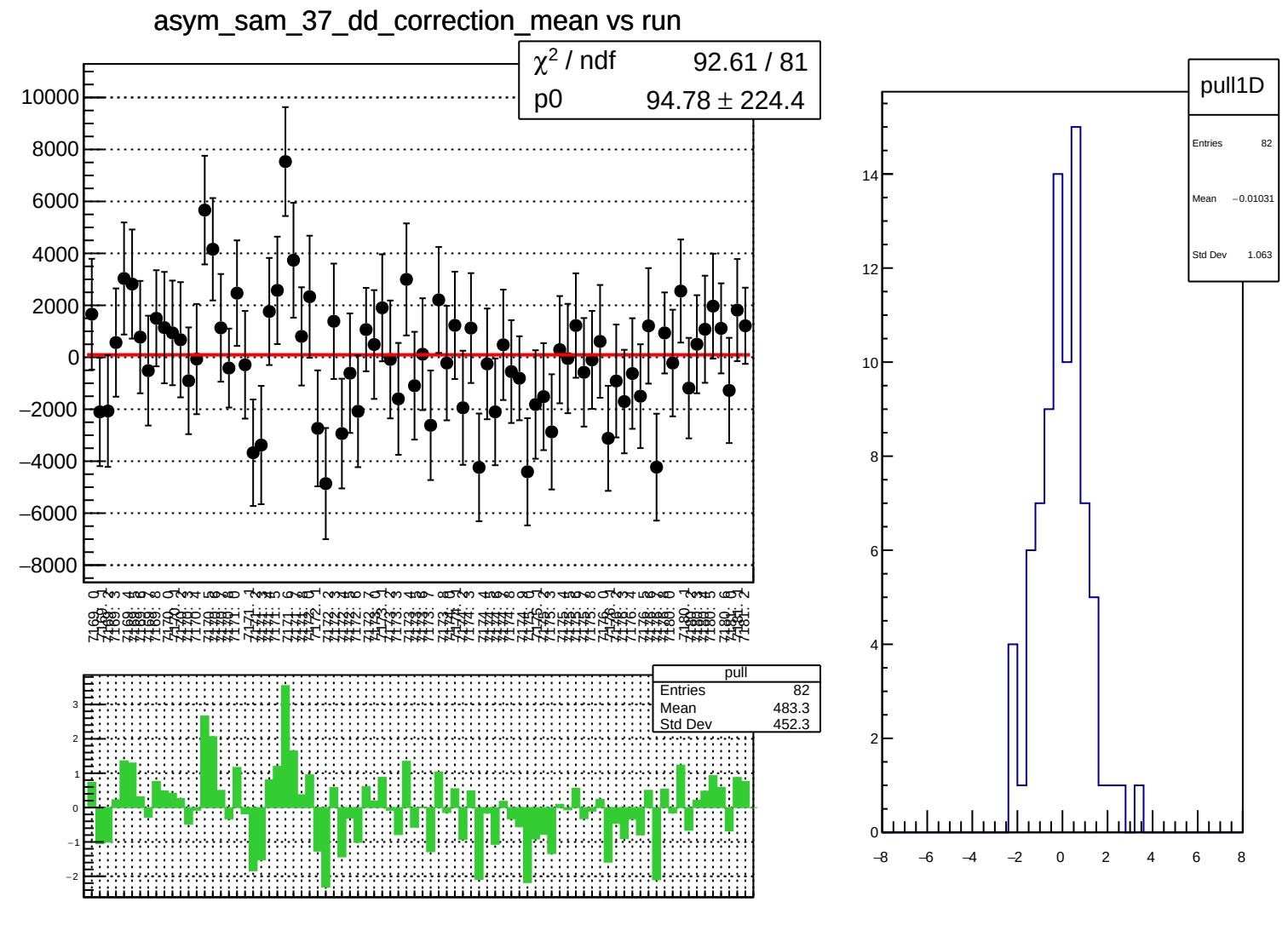

asym_sam_26_dd_mean vs run
χ² / ndf 62.78 / 81
p0 1030 ± 1843
pull
Entries 82
Mean 3169
Std Dev 3127
pull1D
Entries 82
Mean −0.001045
Std Dev 0.875


asym_sam_26_dd_rms vs run
χ² / ndf 6669 / 81
p0 1629 ± 1.303
2000
1900
1800
1700
1600
1500

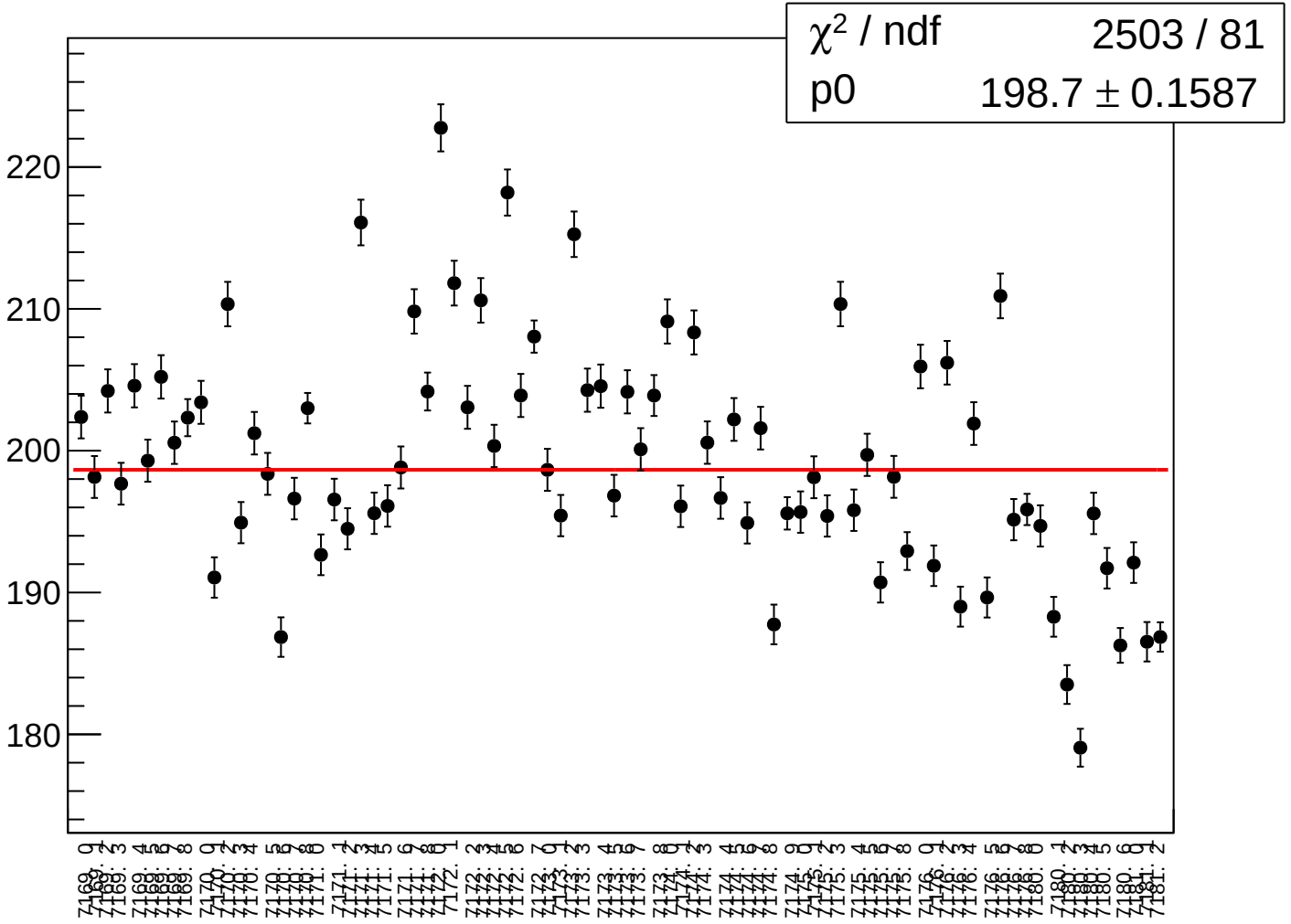

dit_asym_sam_37_dd_mean vs run
χ² / ndf 90.2 / 81
p0 16.86 ± 51.76
1500
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 1416
Std Dev 1377
2
1
0
−1
−2

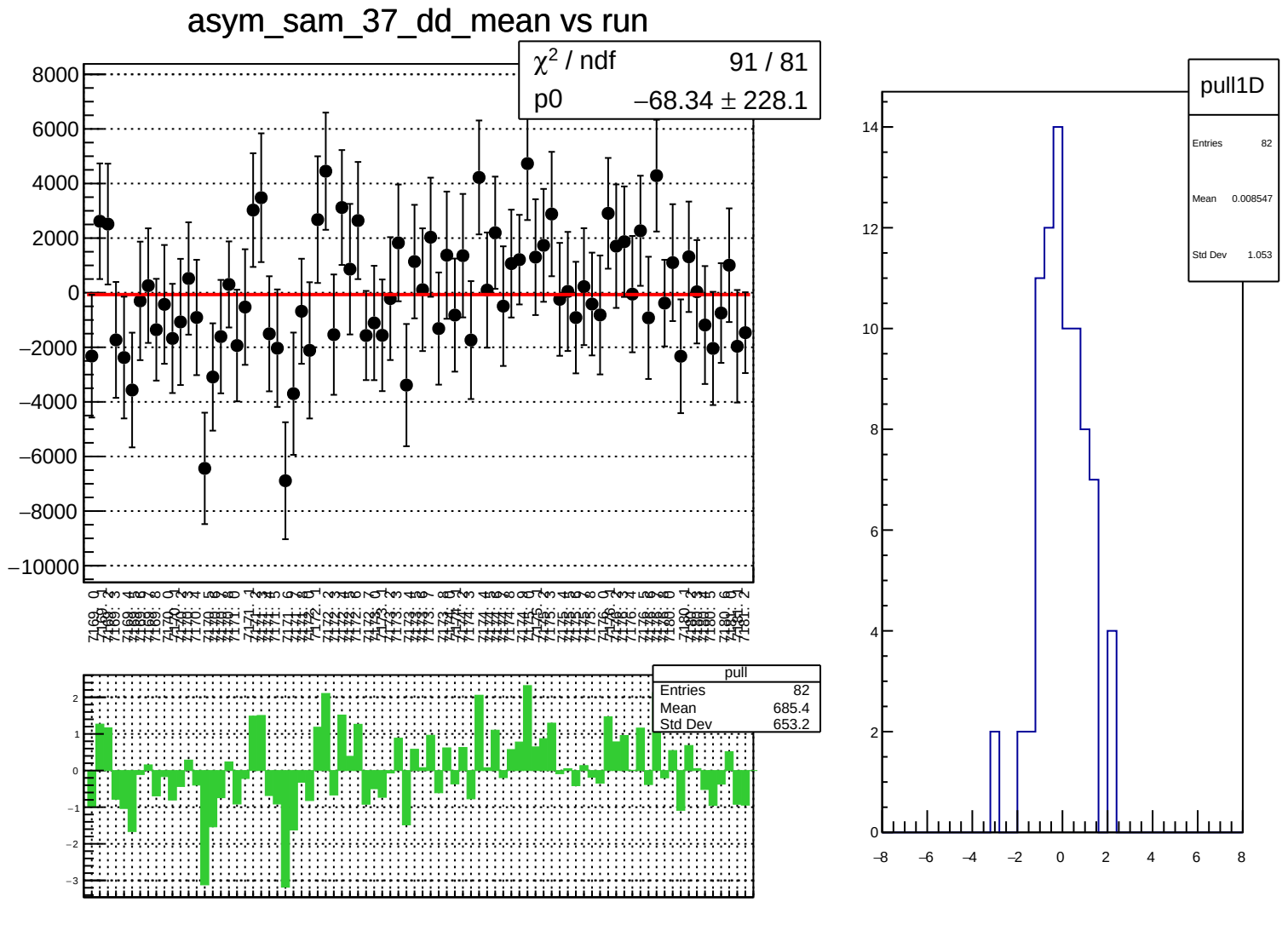

pull1D
Entries 82
Mean 0.002964
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_dd_rms vs run
χ² / ndf 1380 / 81
p0 45.84 ± 0.0366
51
50
49
48
47
46
45
44
43

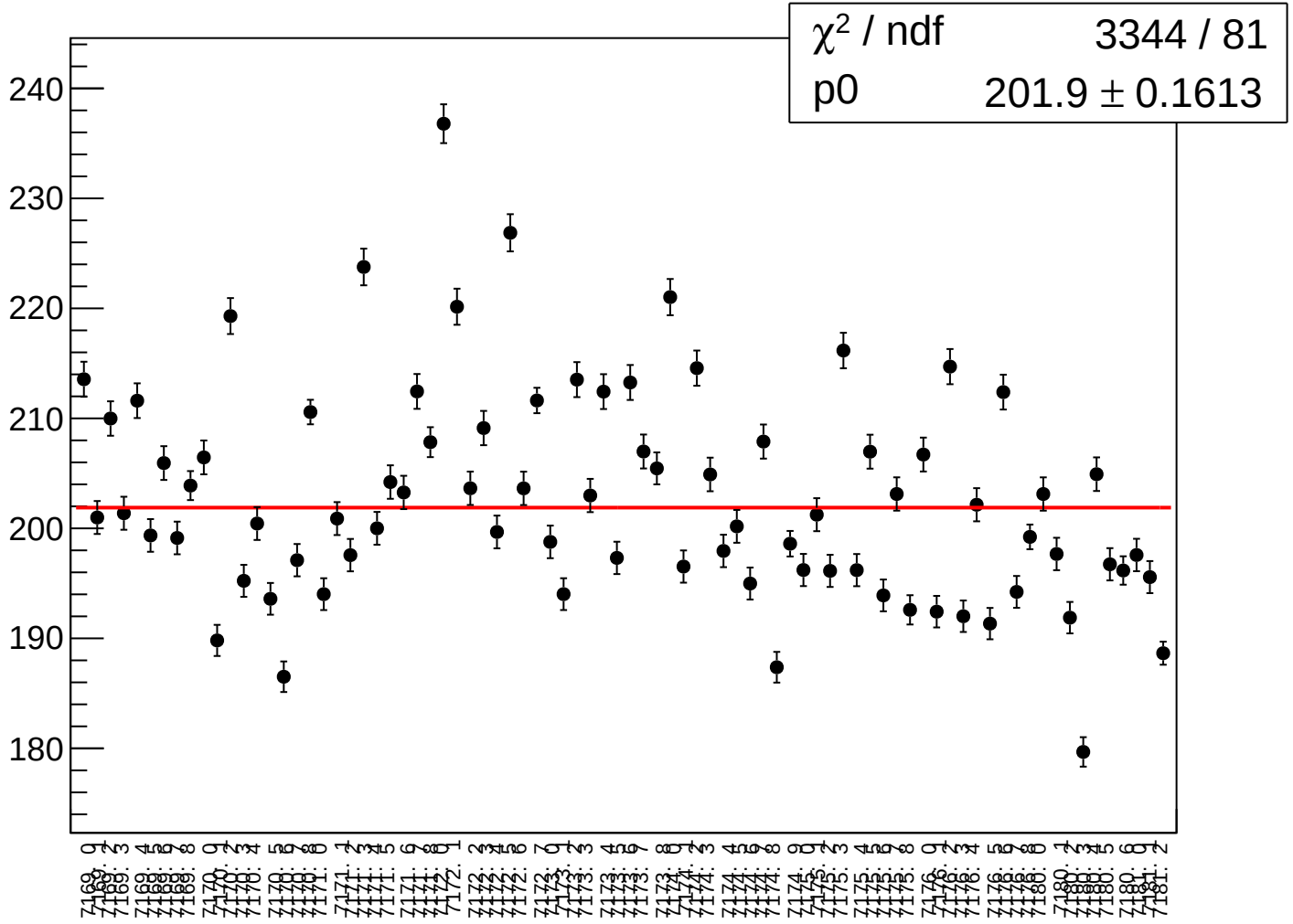

asym_sam_37_dd_correction_mean vs run
χ² / ndf 92.61 / 81
p0 94.78 ± 224.4
pull
Entries 82
Mean 483.3
Std Dev 452.3
pull1D
Entries 82
Mean −0.01031
Std Dev 1.063

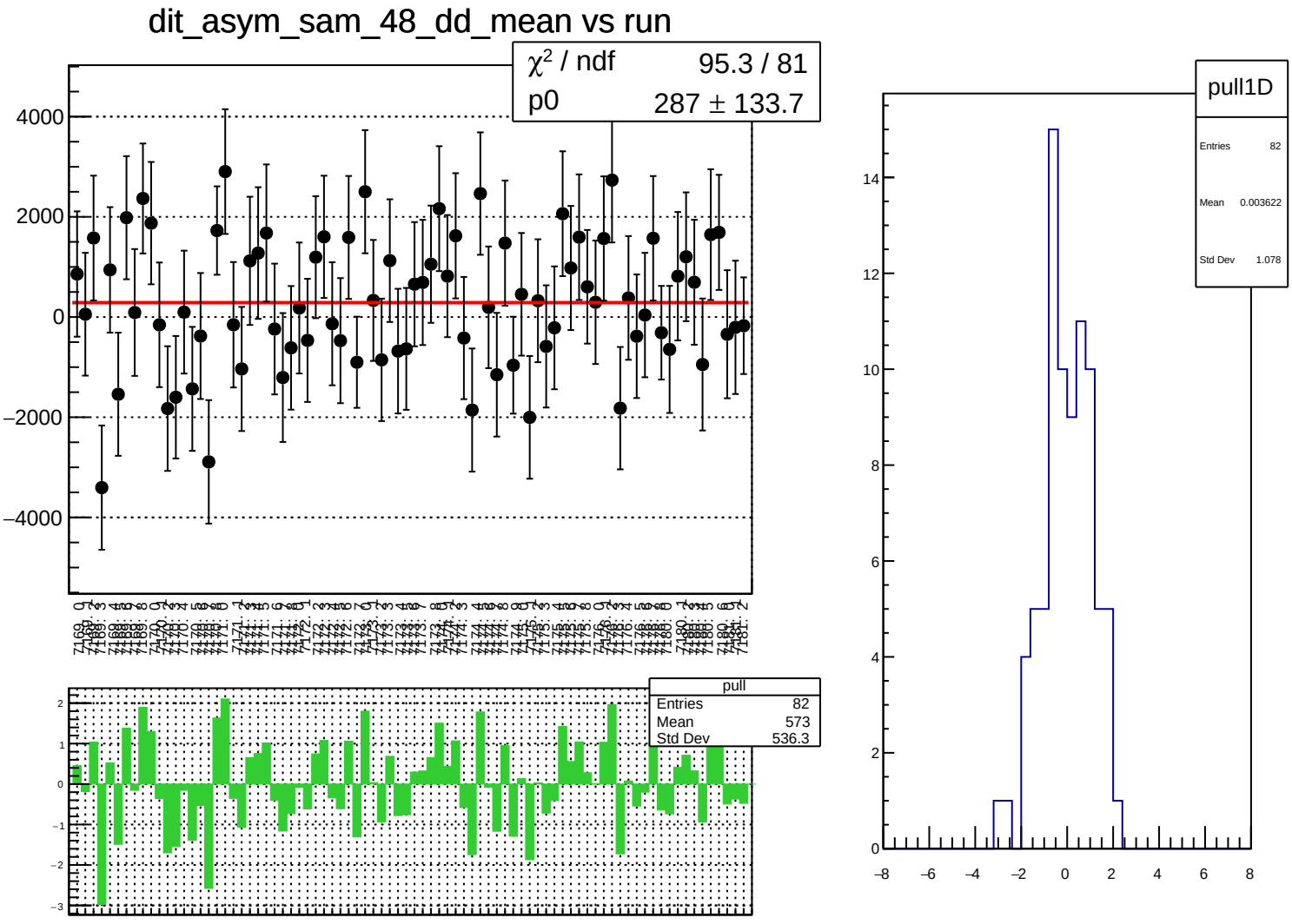
asym_sam_37_dd_correction_rms vs run



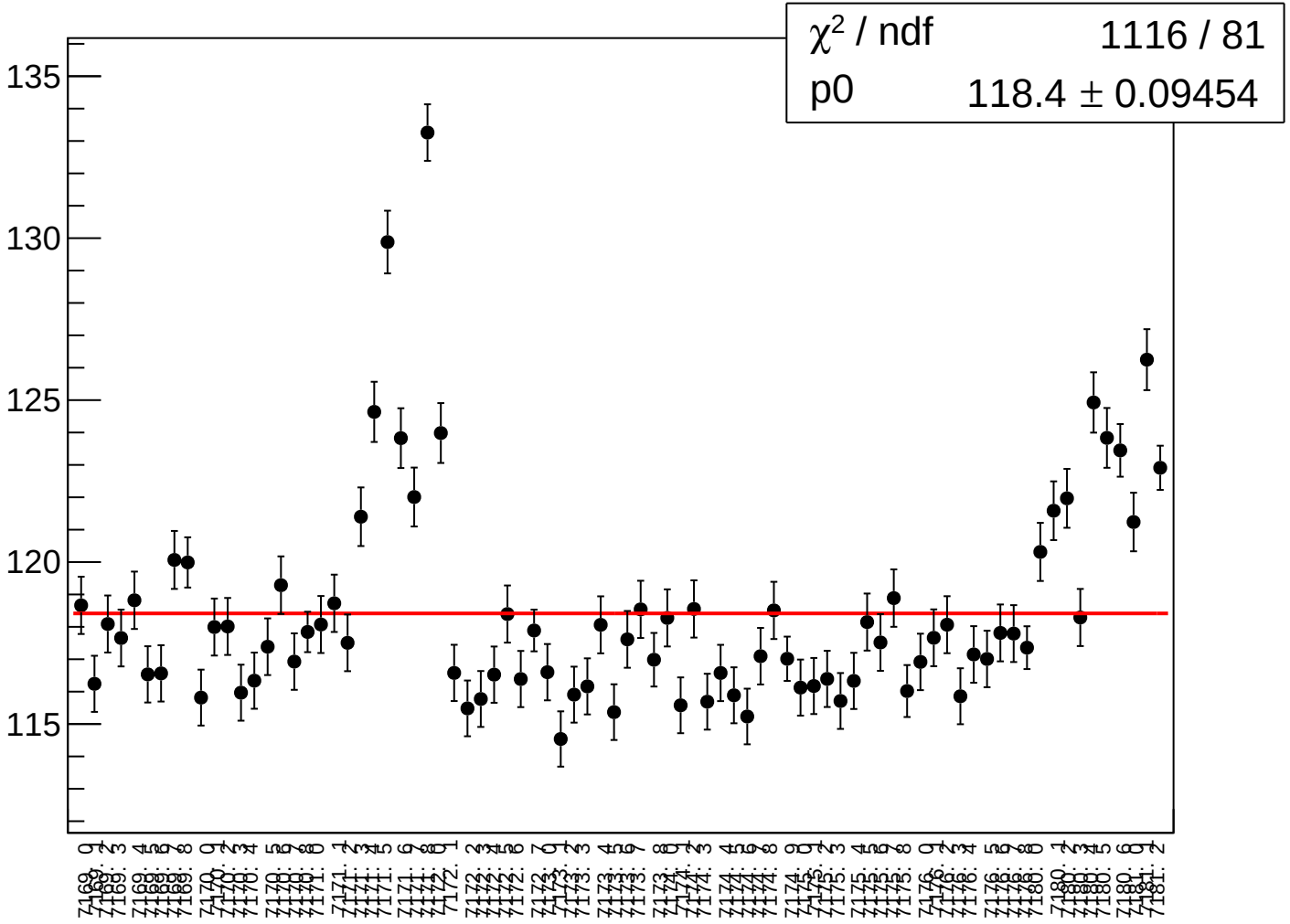

asym_sam_37_dd_mean vs run
χ^2 / ndf 91 / 81
p0 −68.34 ± 228.1
pull
Entries 82
Mean 685.4
Std Dev 653.2
pull1D
Entries 82
Mean 0.008547
Std Dev 1.053

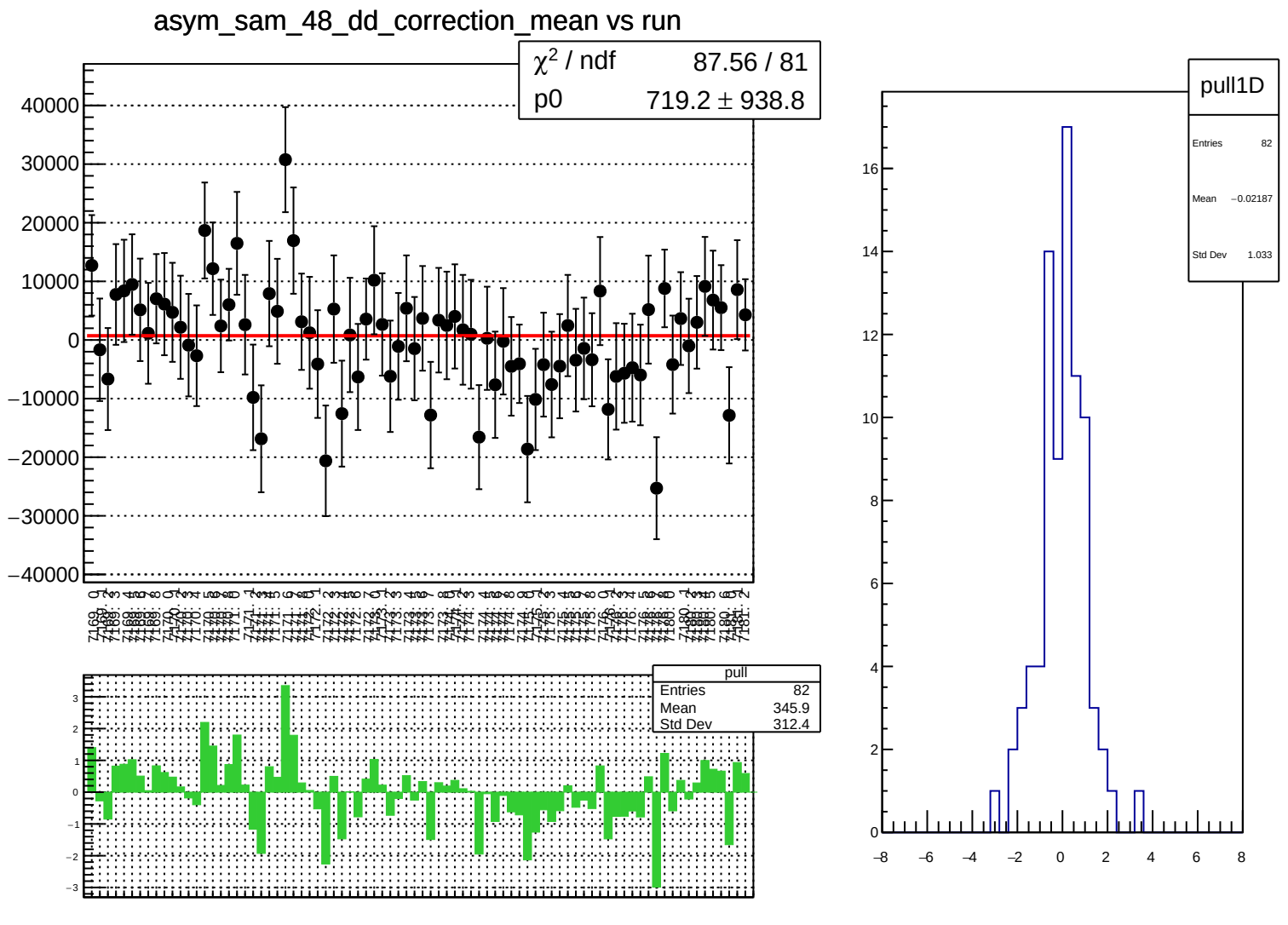
asym_sam_37_dd_rms vs run

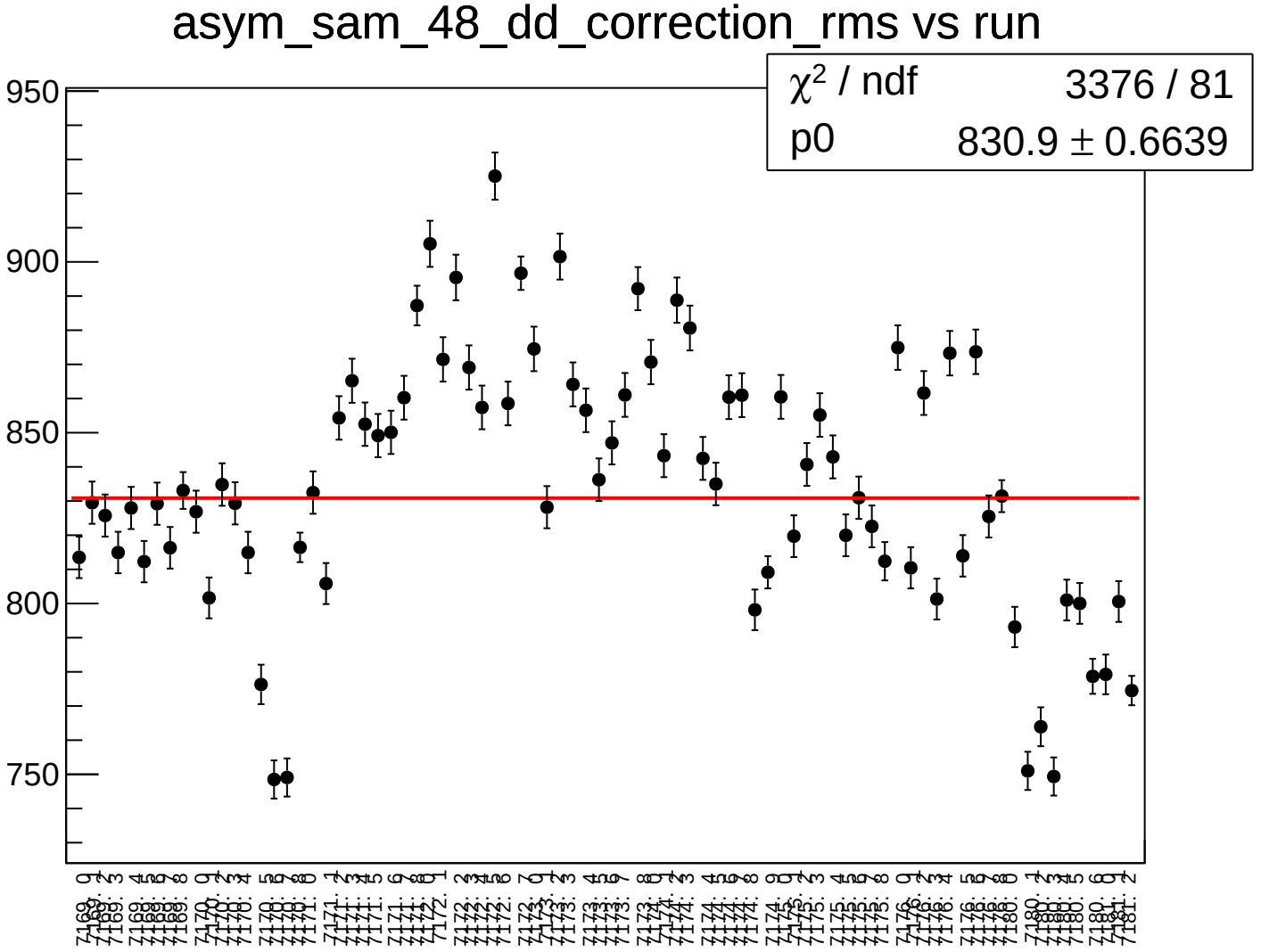


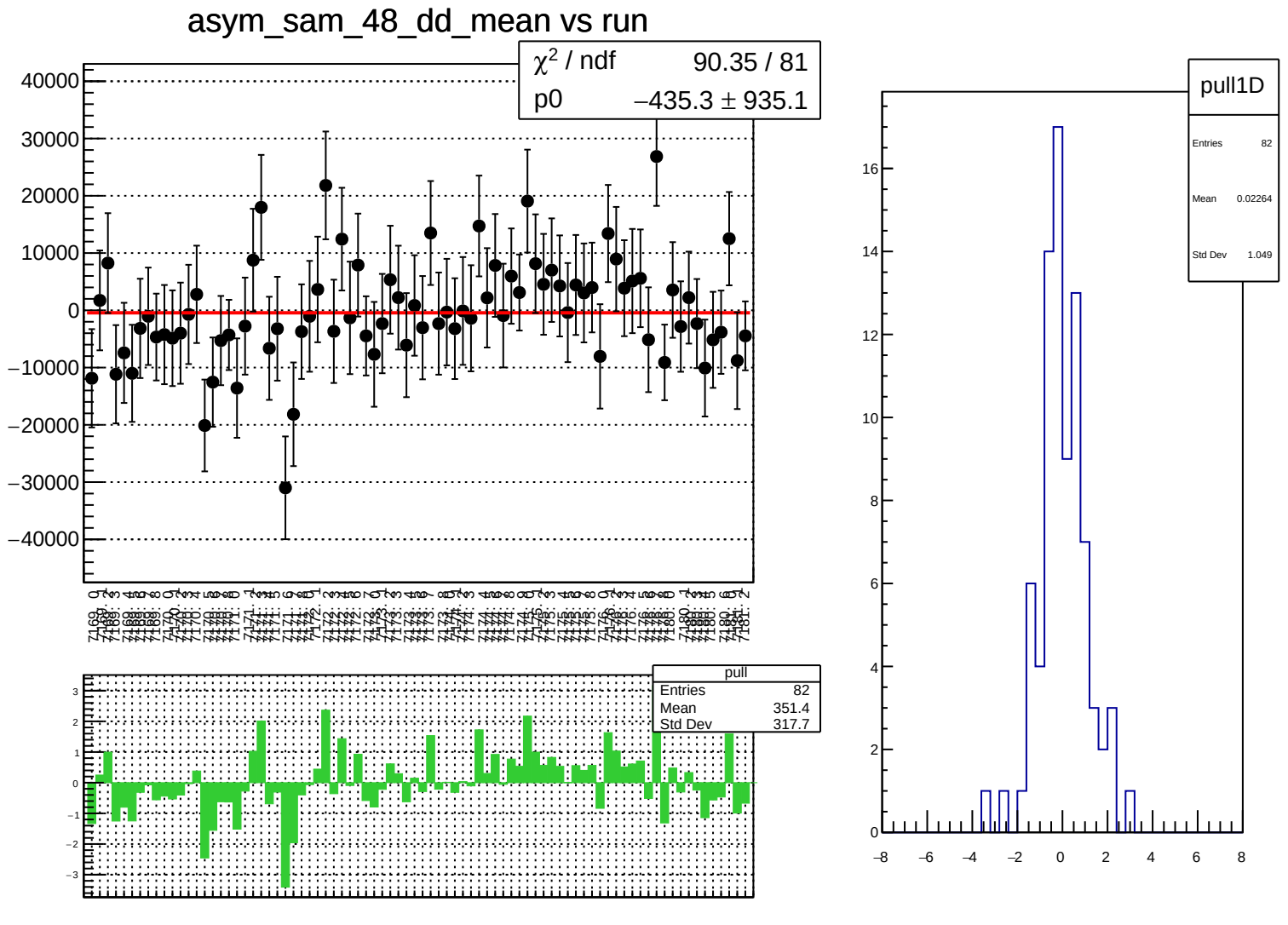

dit_asym_sam_48_dd_mean vs run
χ² / ndf 95.3 / 81
p0 287 ± 133.7
pull
Entries 82
Mean 573
Std Dev 536.3
pull1D
Entries 82
Mean 0.003622
Std Dev 1.078

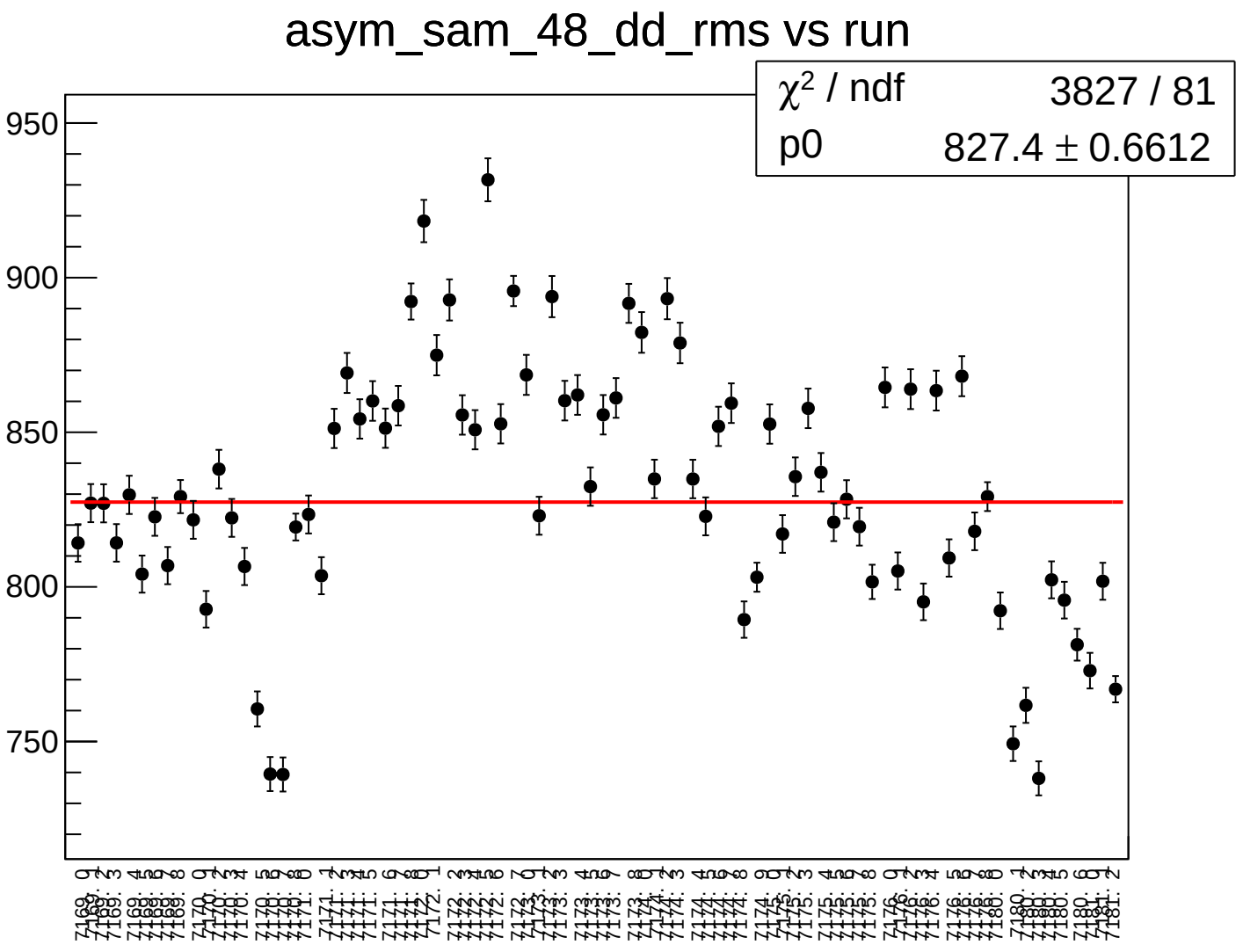
dit_asym_sam_48_dd_rms vs run

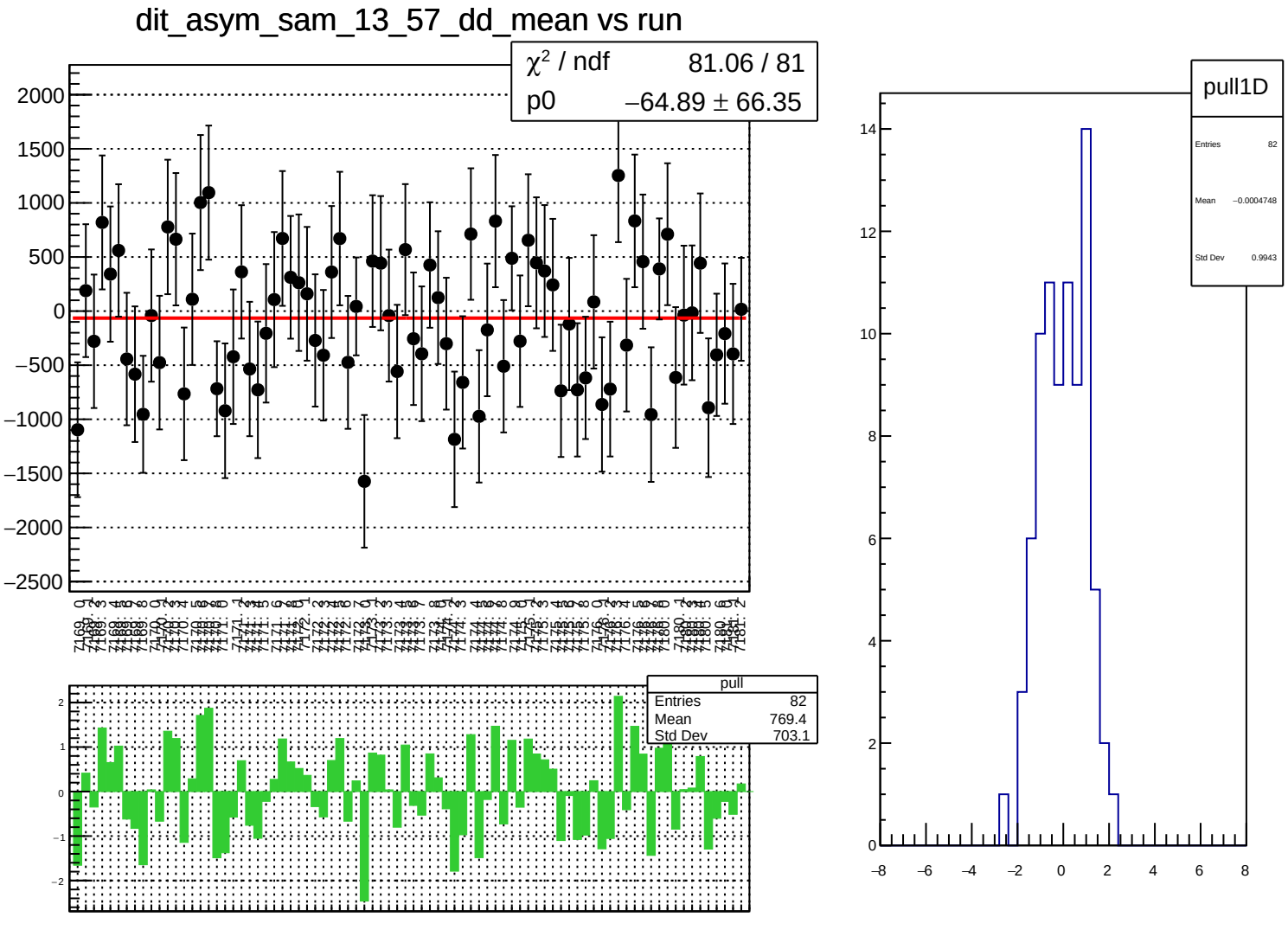



asym_sam_48_dd_correction_mean vs run
χ² / ndf 87.56 / 81
p0 719.2 ± 938.8
pull
Entries 82
Mean 345.9
Std Dev 312.4
pull1D
Entries 82
Mean −0.02187
Std Dev 1.033

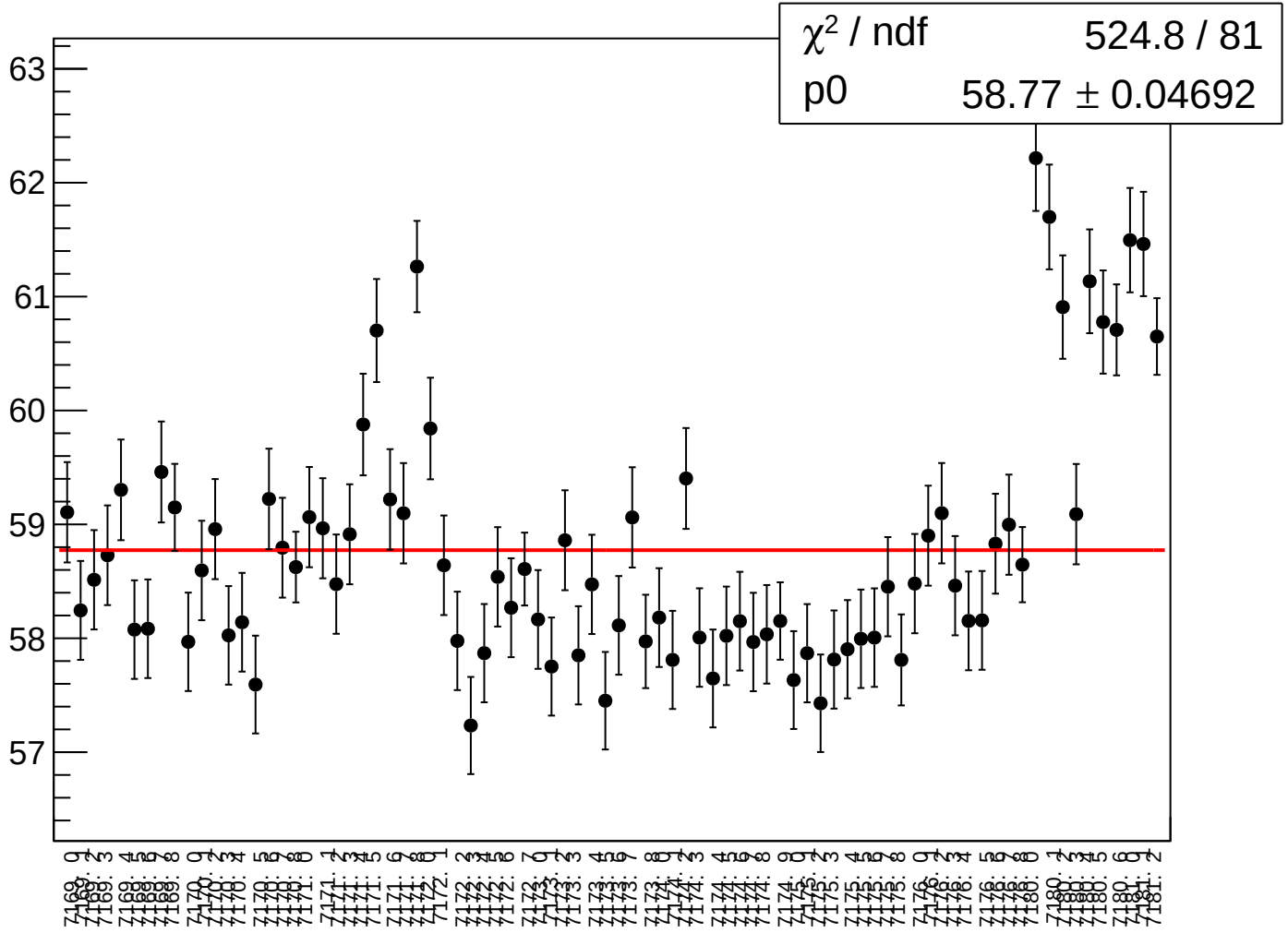

asym_sam_48_dd_correction_rms vs run
χ² / ndf 3376 / 81
p0 830.9 ± 0.6639
950
900
850
800
750

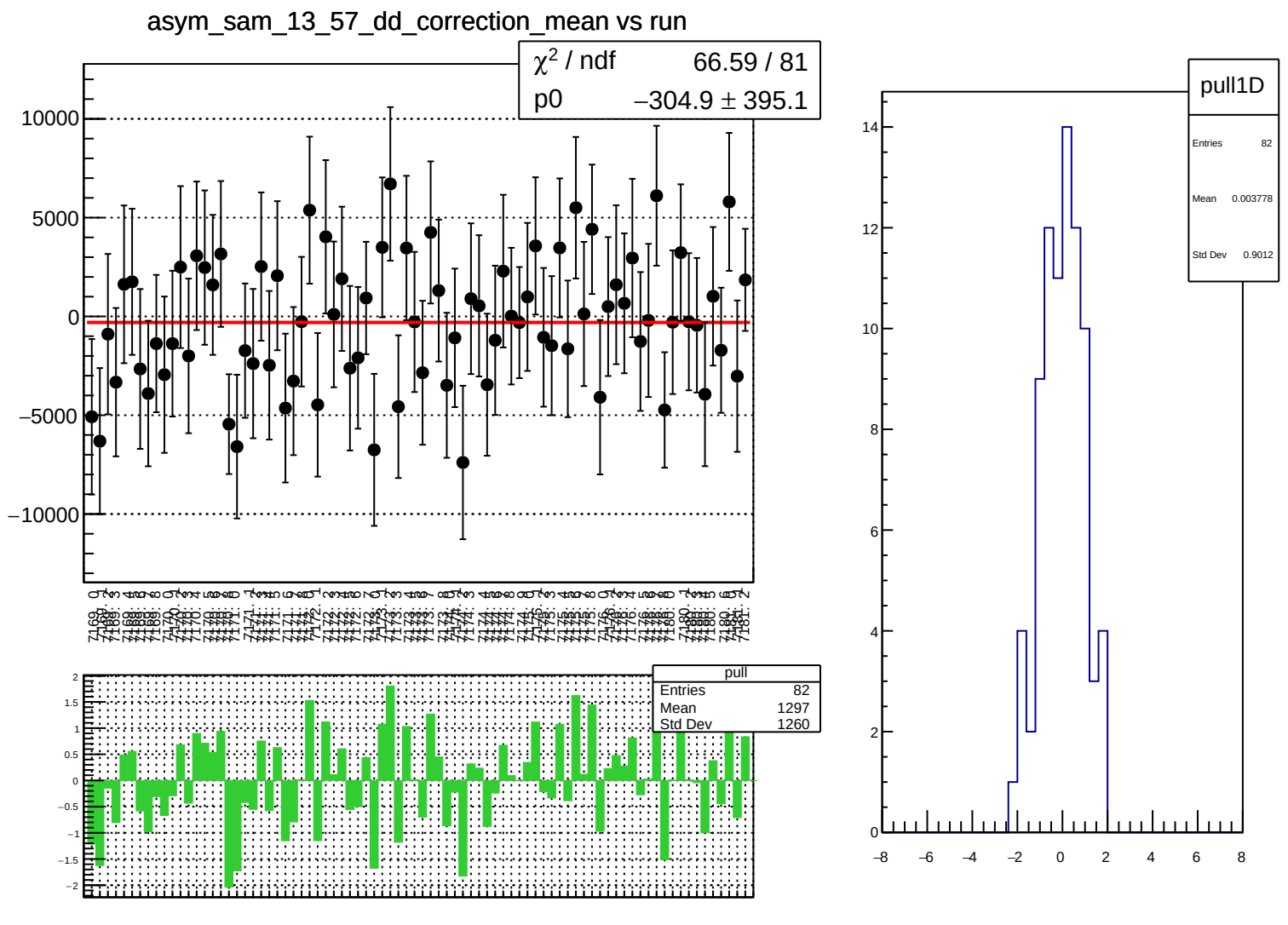

asym_sam_48_dd_mean vs run
χ^2 / ndf 90.35 / 81
p0 −435.3 ± 935.1
pull
Entries 82
Mean 351.4
Std Dev 317.7
pull1D
Entries 82
Mean 0.02264
Std Dev 1.049

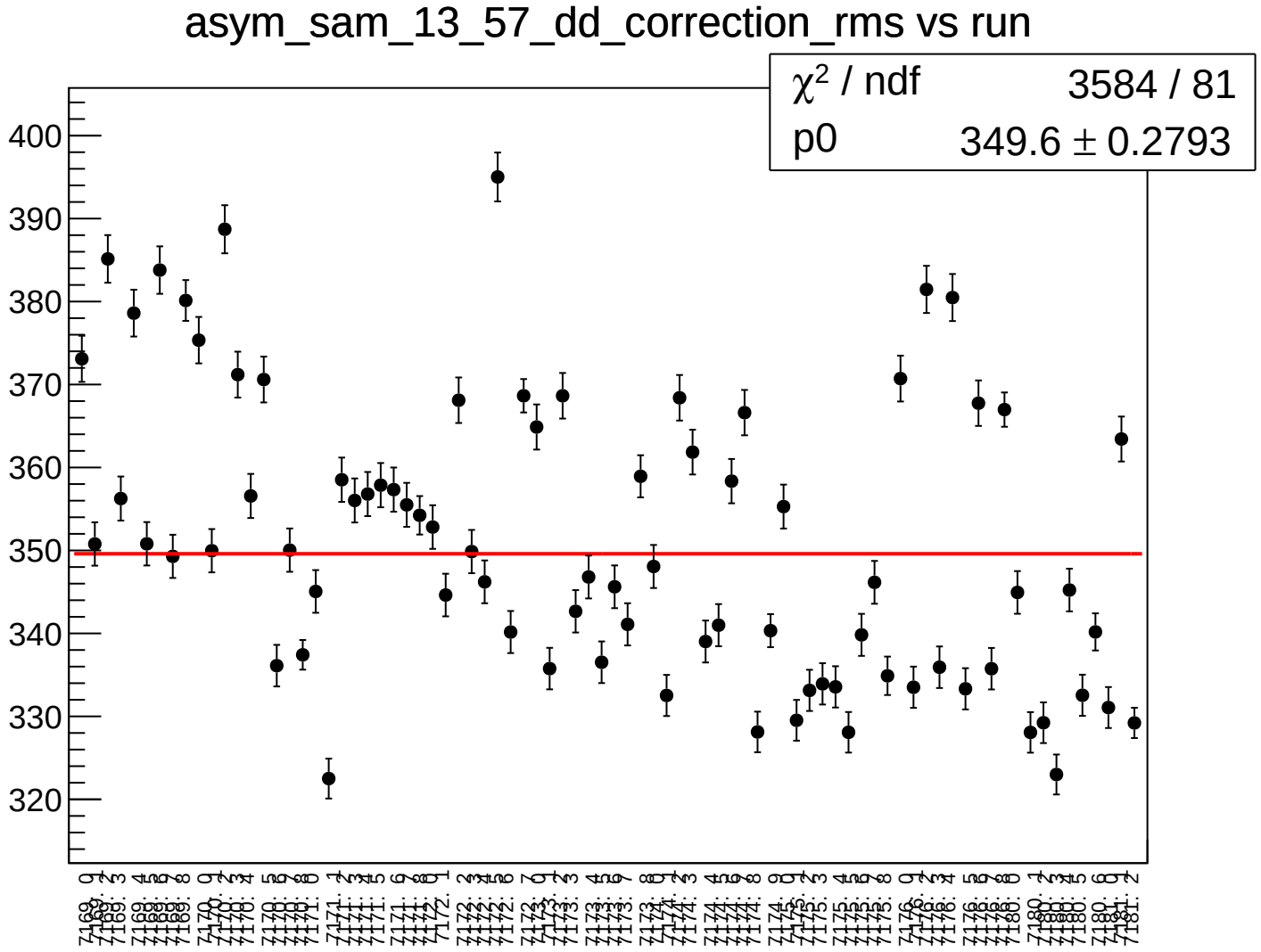

asym_sam_48_dd_rms vs run
χ² / ndf 3827 / 81
p0 827.4 ± 0.6612
950
900
850
800
750

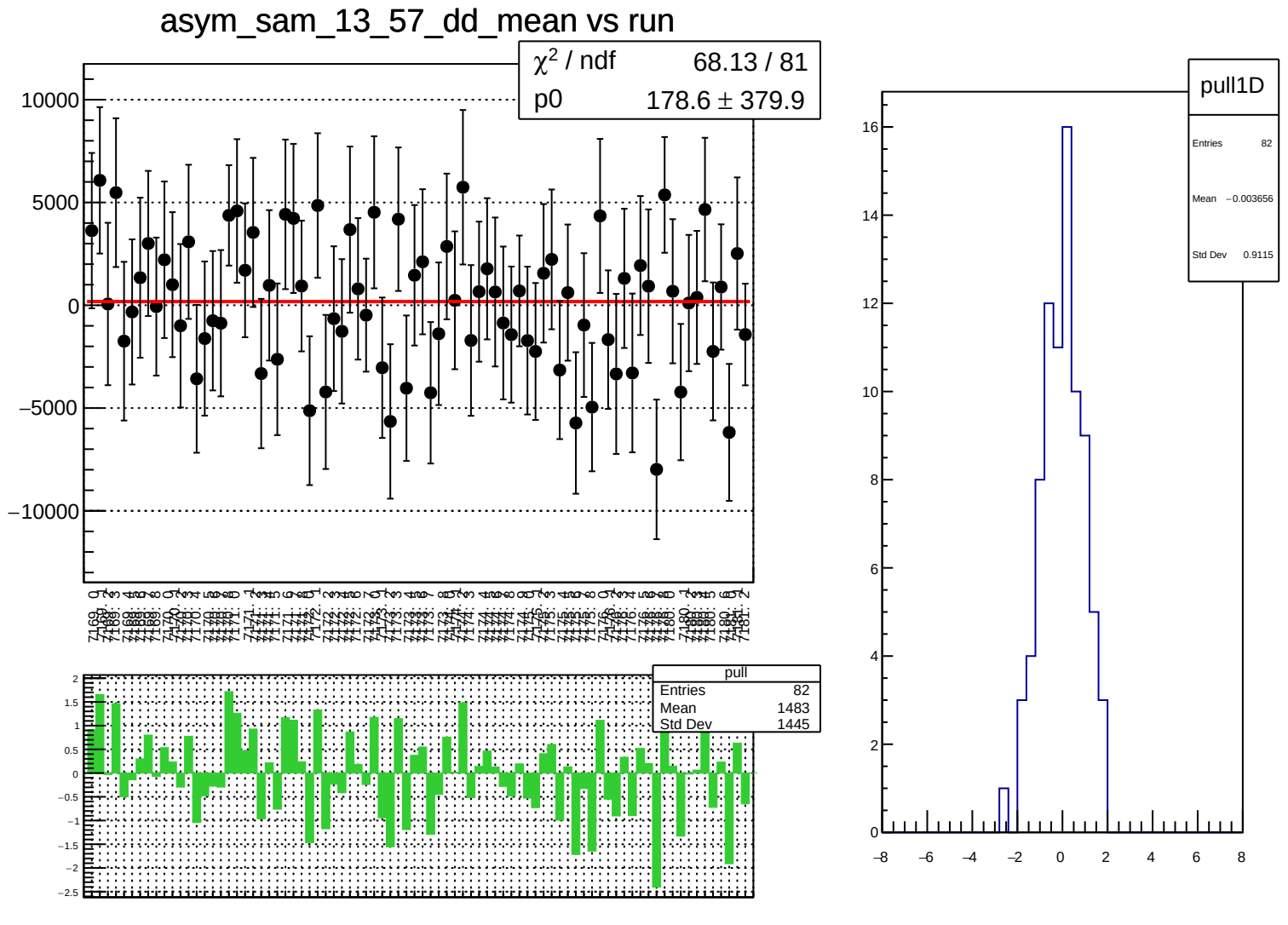

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 81.06 / 81
p0 −64.89 ± 66.35
pull
Entries 82
Mean 769.4
Std Dev 703.1
pull1D
Entries 82
Mean −0.0004748
Std Dev 0.9943

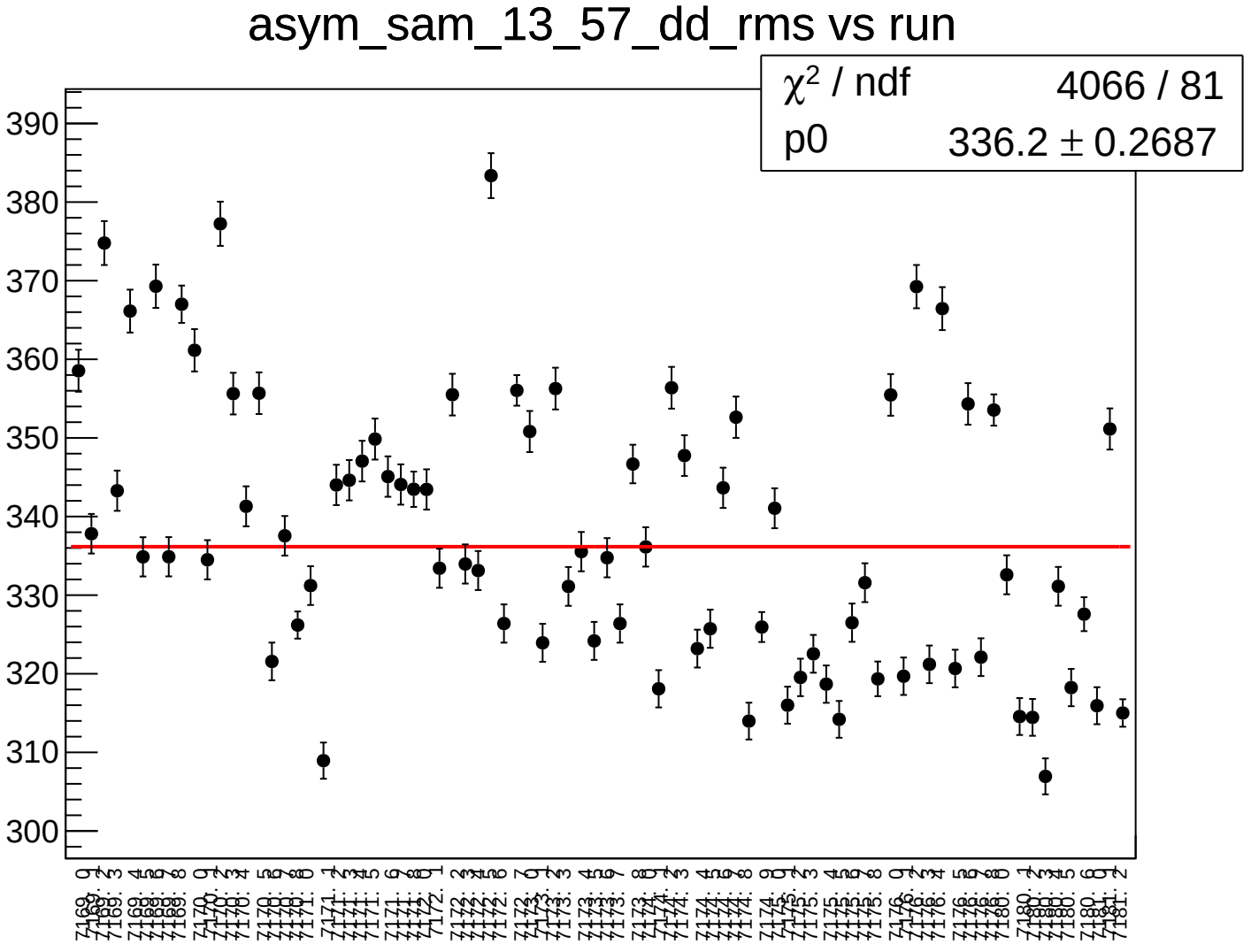
dit_asym_sam_13_57_dd_rms vs run

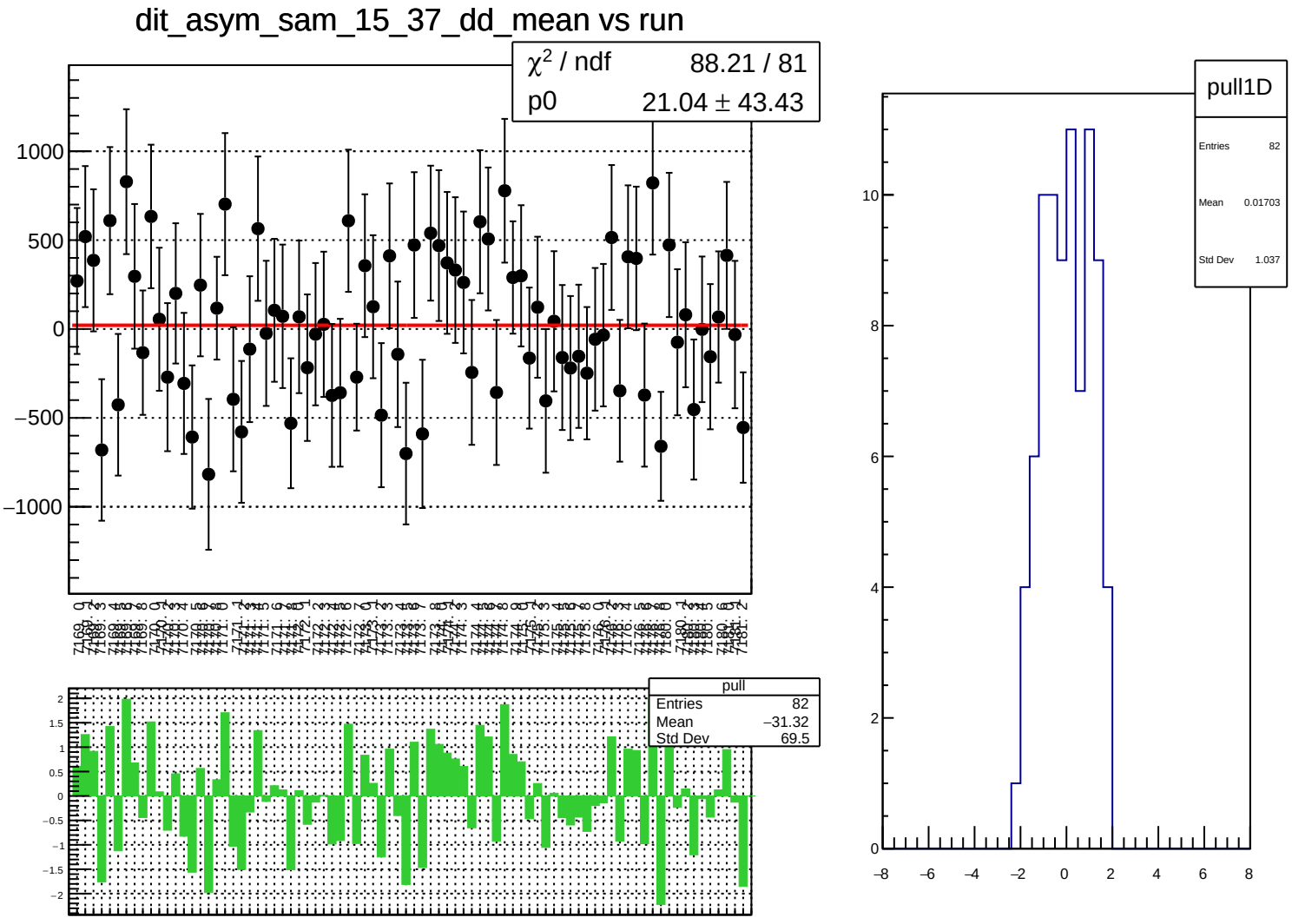



asym_sam_13_57_dd_correction_mean vs run
χ^2 / ndf 66.59 / 81
p0 −304.9 ± 395.1
pull
Entries 82
Mean 1297
Std Dev 1260
pull1D
Entries 82
Mean 0.003778
Std Dev 0.9012

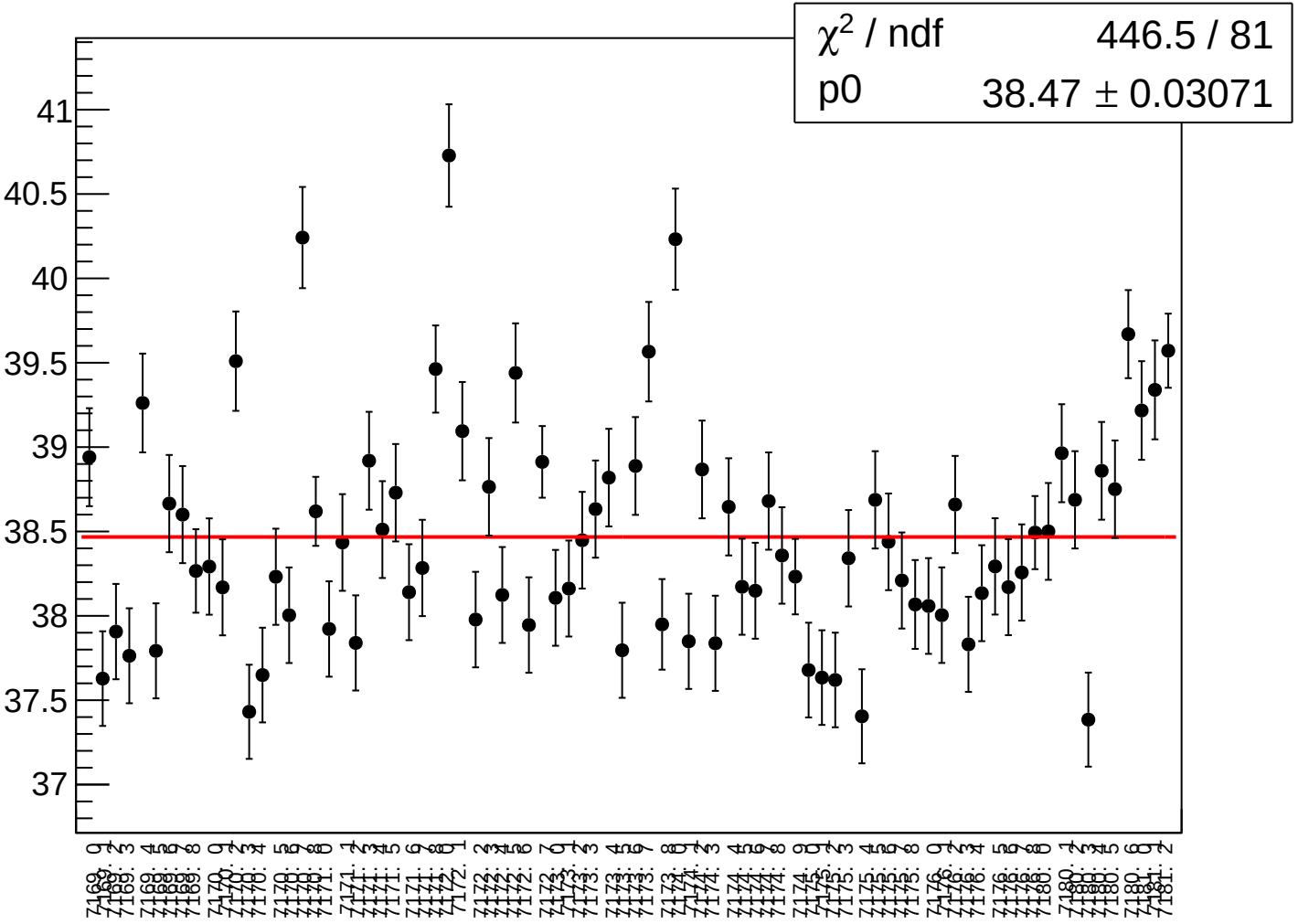

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3584 / 81
p0 349.6 ± 0.2793
400
390
380
370
360
350
340
330
320

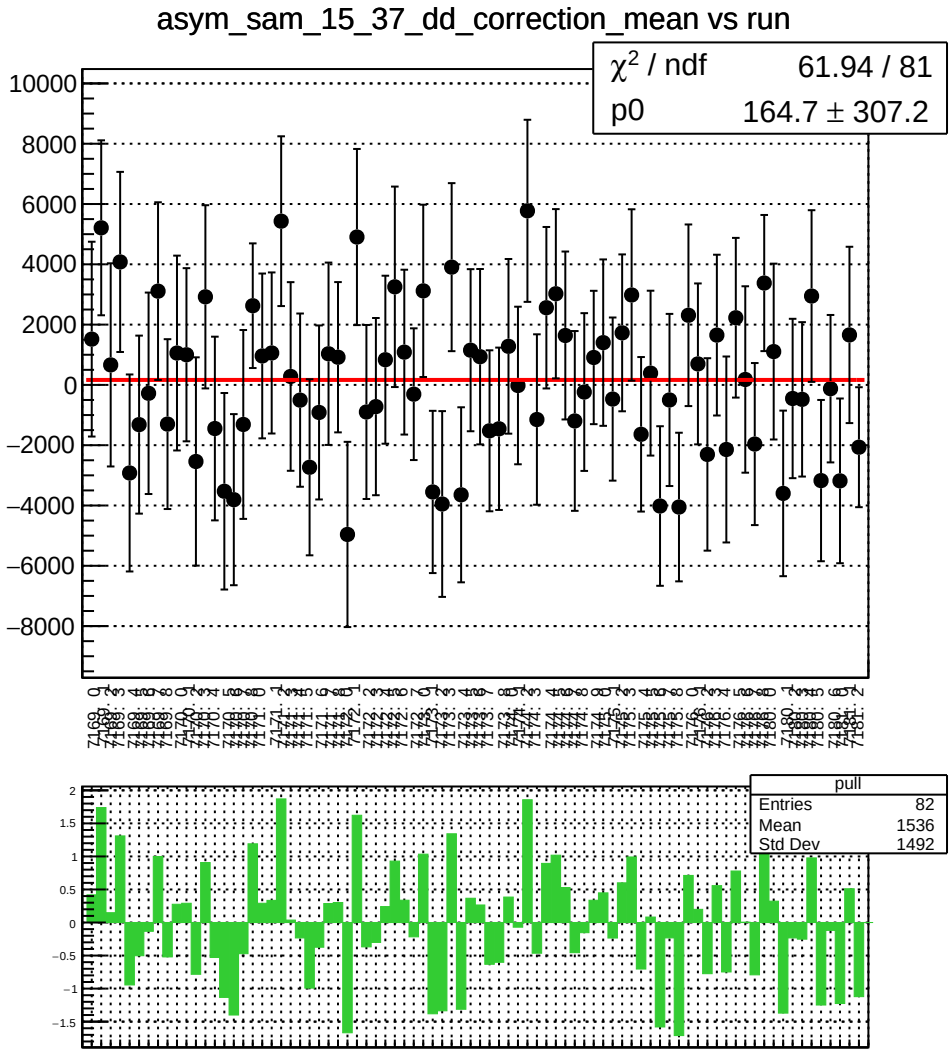

asym_sam_13_57_dd_mean vs run
χ² / ndf 68.13 / 81
p0 178.6 ± 379.9
pull
Entries 82
Mean 1483
Std Dev 1445
pull1D
Entries 82
Mean −0.003656
Std Dev 0.9115

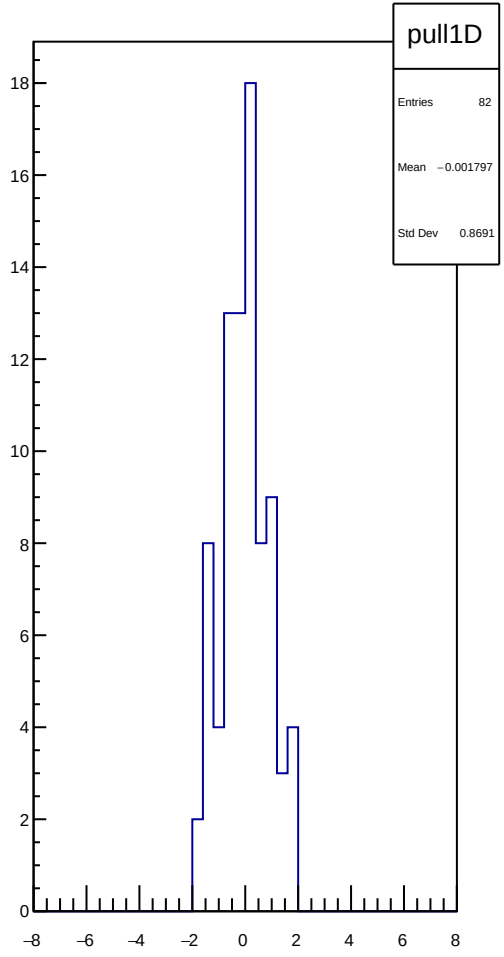

asym_sam_13_57_dd_rms vs run
χ² / ndf 4066 / 81
p0 336.2 ± 0.2687
390
380
370
360
350
340
330
320
310
300

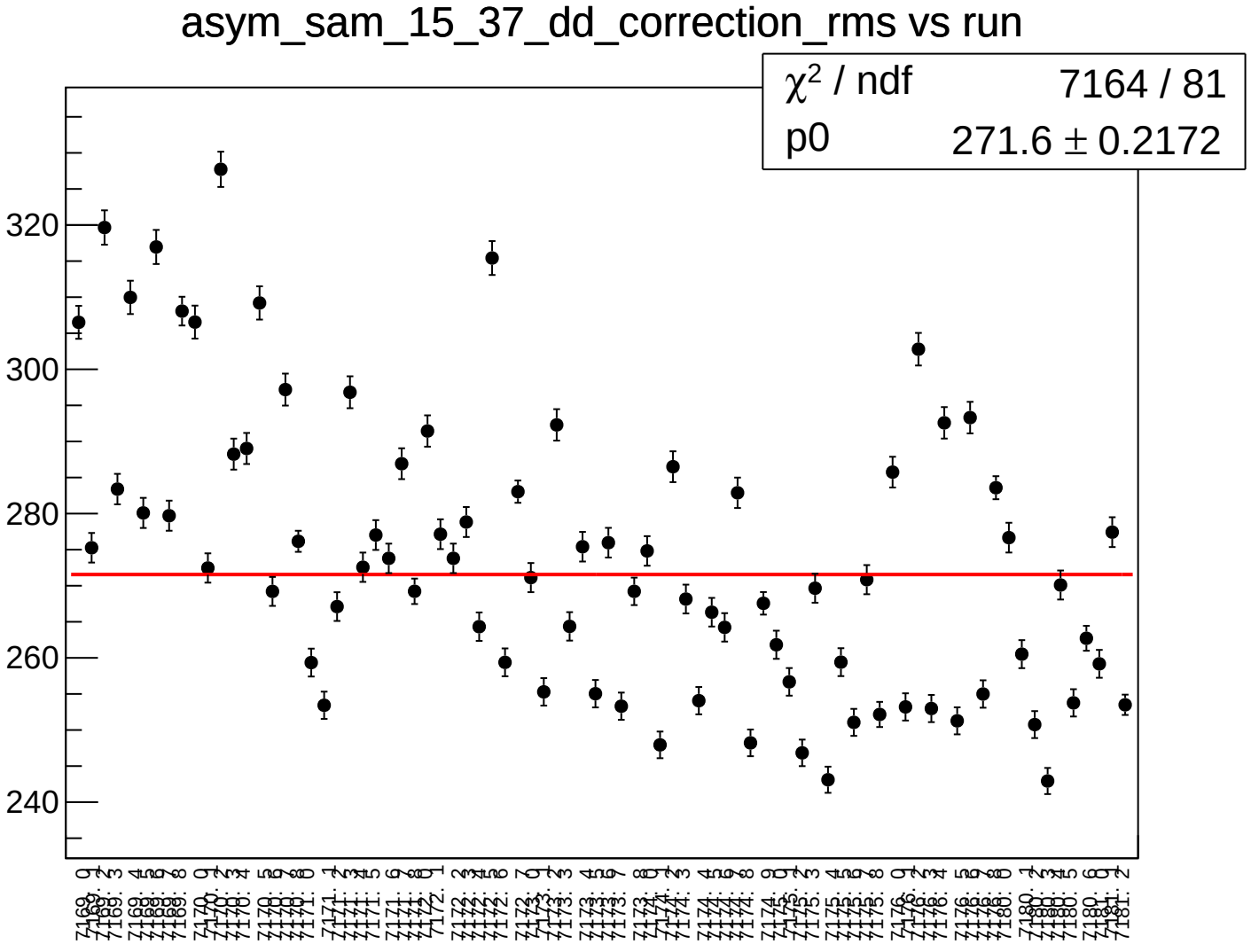

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 88.21 / 81
p0 21.04 ± 43.43
1000
500
0
−500
−1000
pull
Entries 82
Mean −31.32
Std Dev 69.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean 0.01703
Std Dev 1.037
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

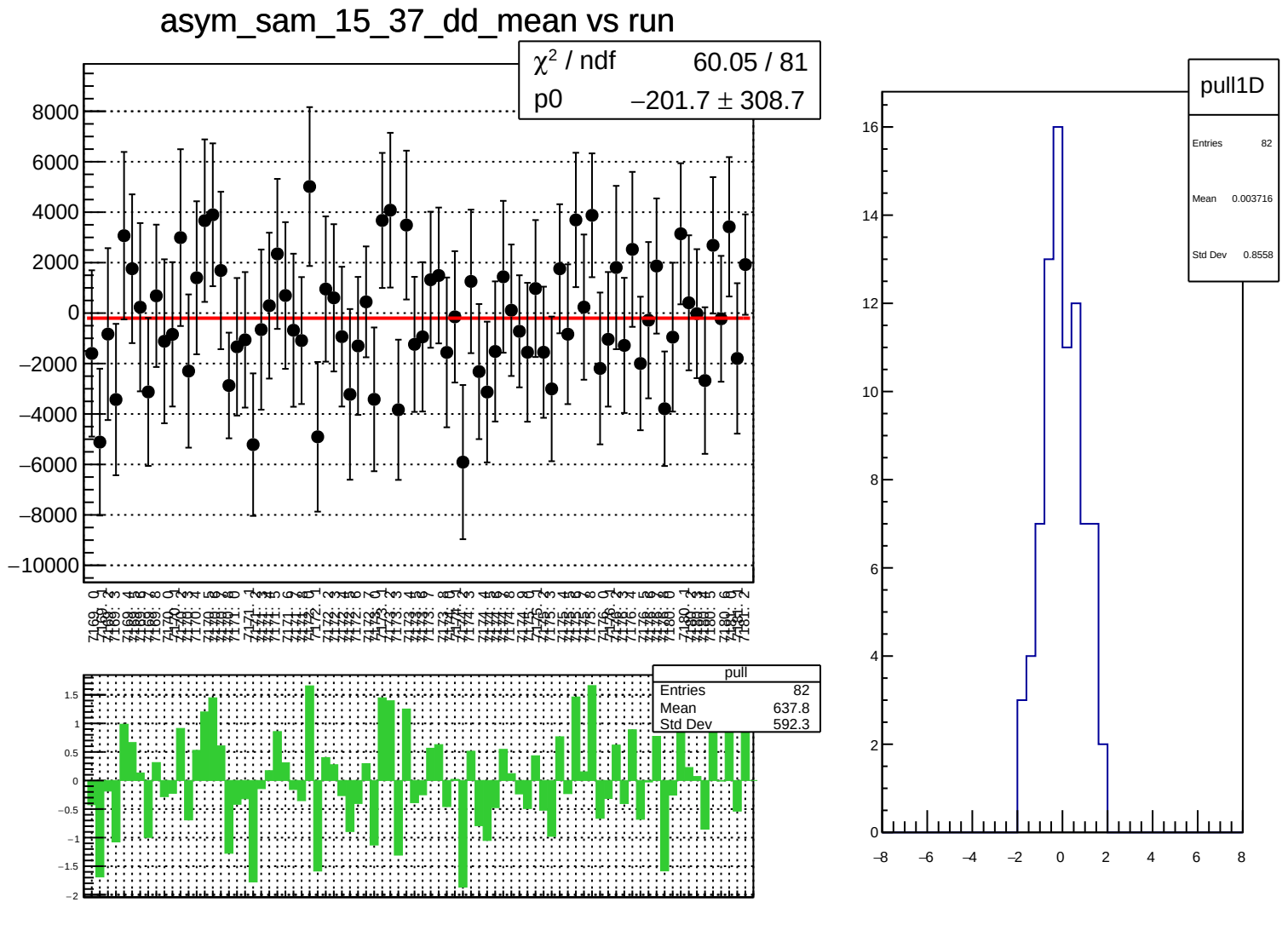
dit_asym_sam_15_37_dd_rms vs run

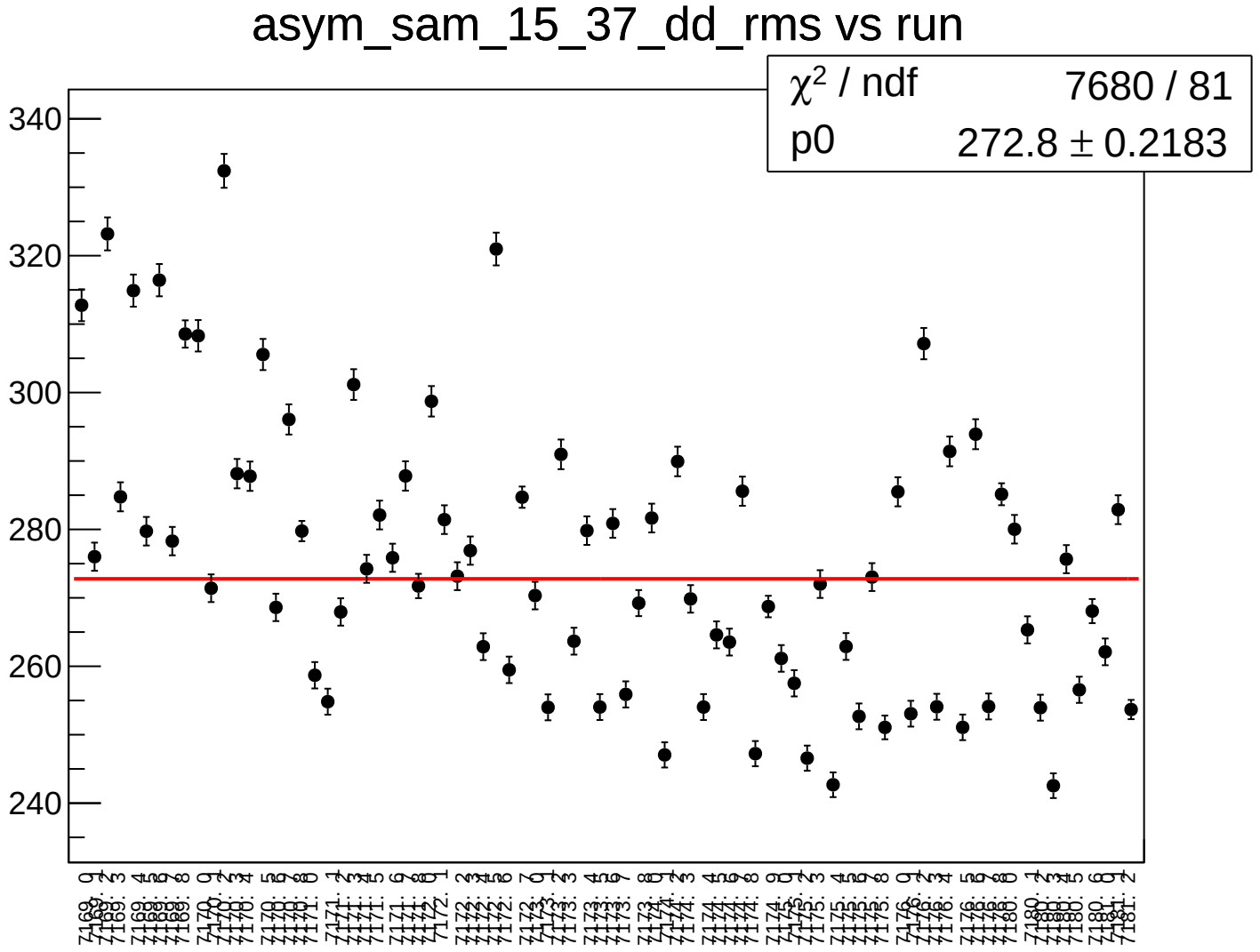


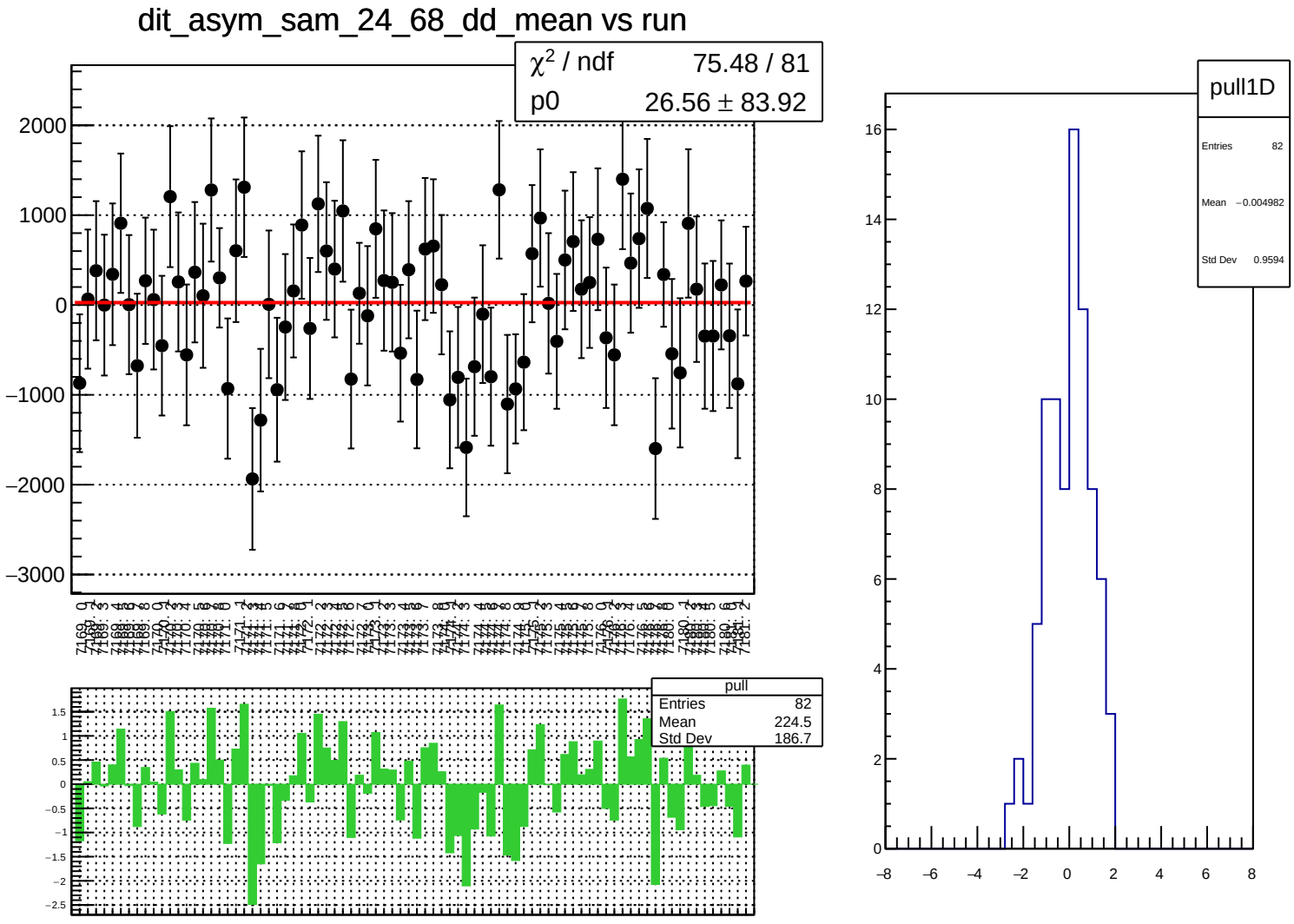

asym_sam_15_37_dd_correction_mean vs run
χ^2 / ndf 61.94 / 81
p0 164.7 ± 307.2
pull
Entries 82
Mean 1536
Std Dev 1492


pull1D
Entries 82
Mean −0.001797
Std Dev 0.8691

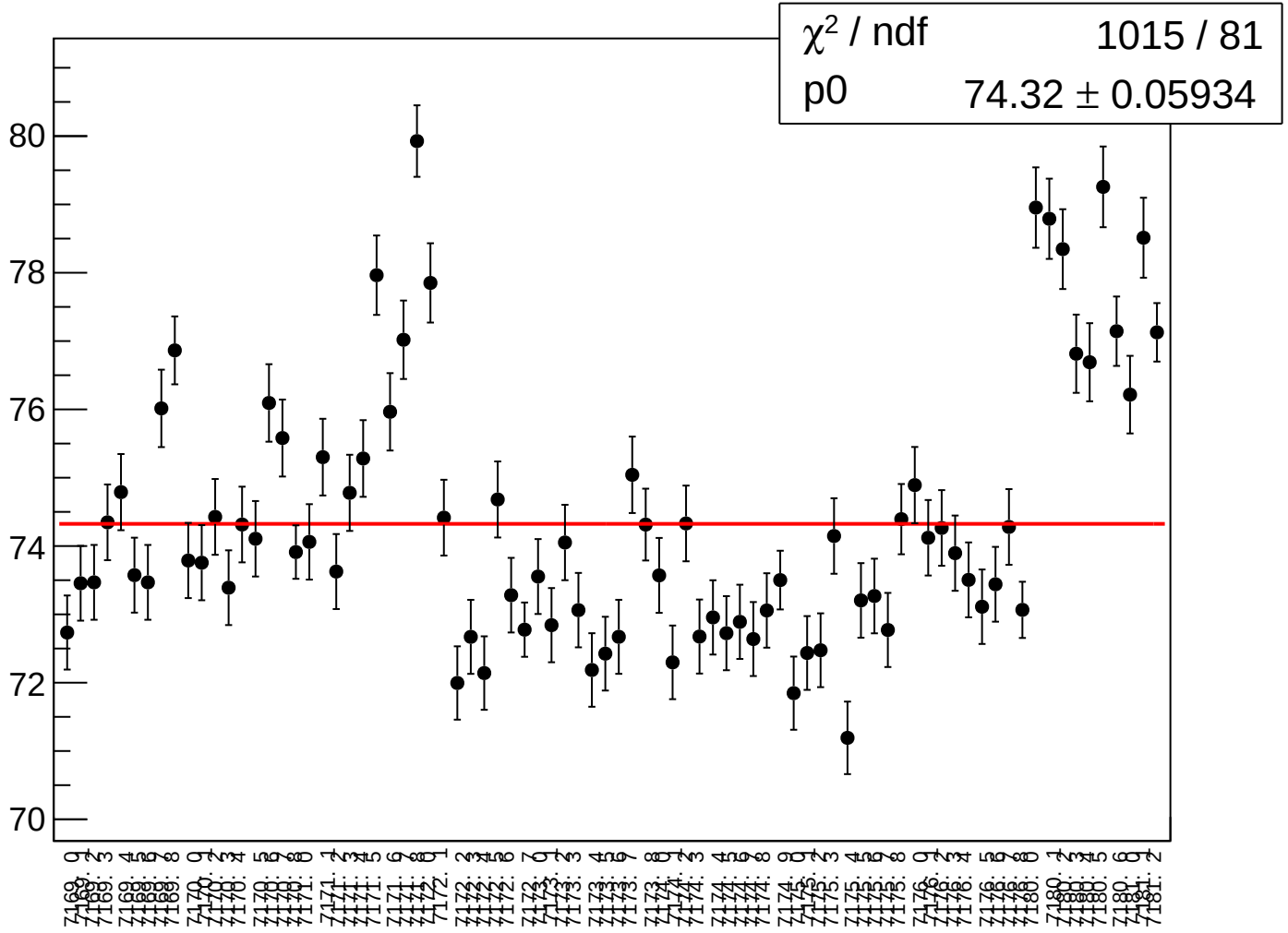

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 7164 / 81
p0 271.6 ± 0.2172
320
300
280
260
240

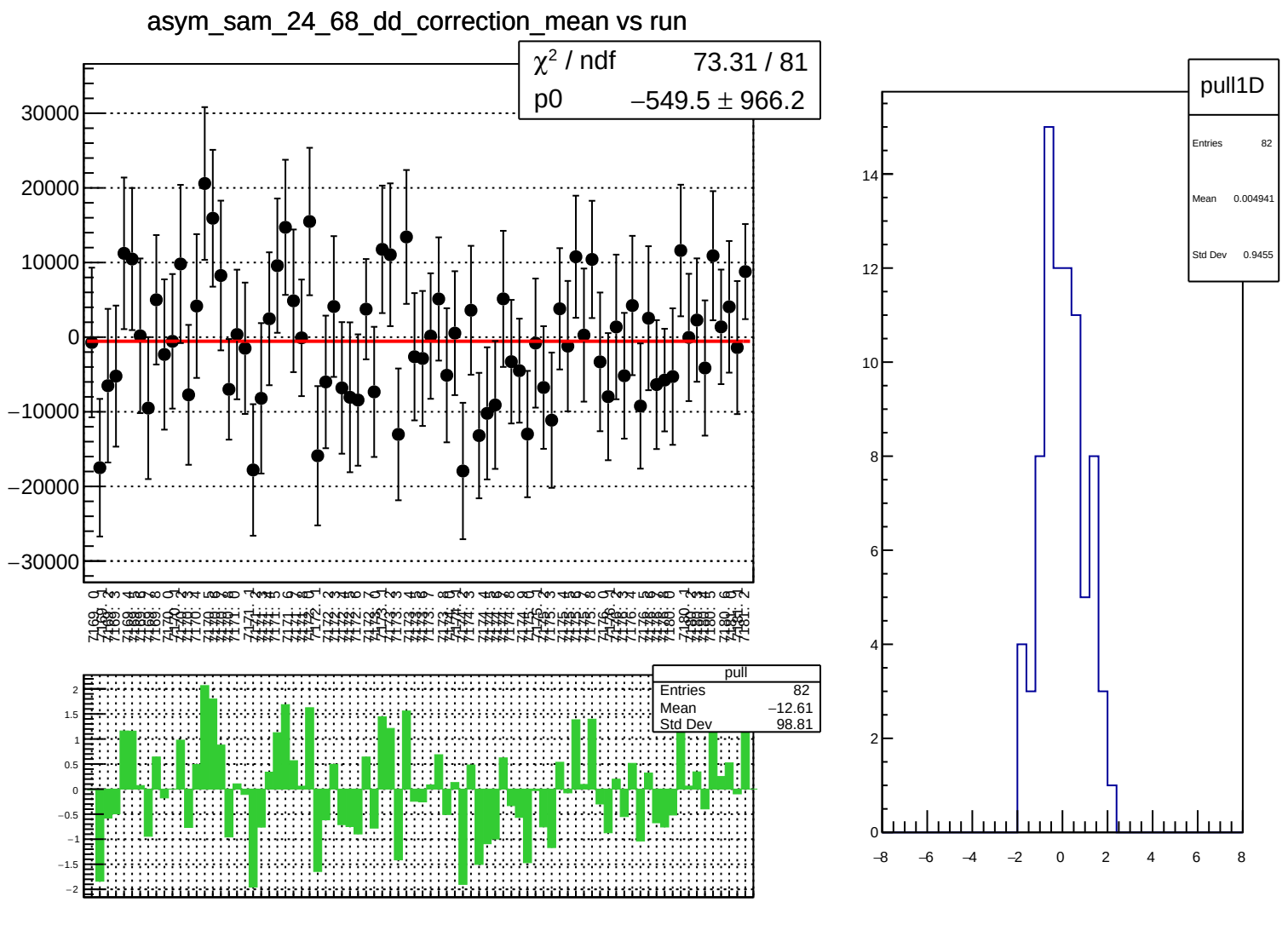

asym_sam_15_37_dd_mean vs run
χ² / ndf 60.05 / 81
p0 −201.7 ± 308.7
pull
Entries 82
Mean 637.8
Std Dev 592.3
pull1D
Entries 82
Mean 0.003716
Std Dev 0.8558

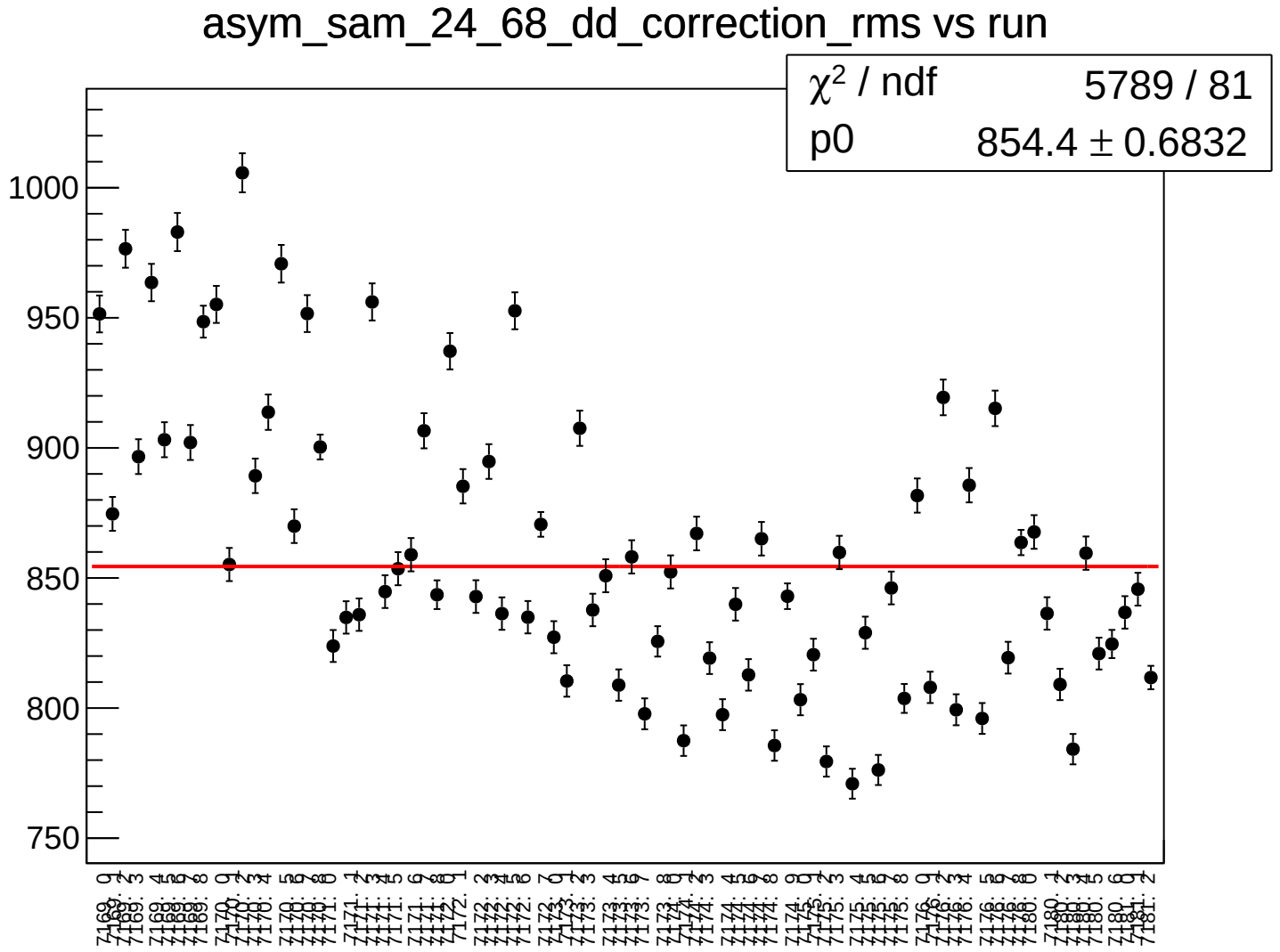

asym_sam_15_37_dd_rms vs run
χ² / ndf 7680 / 81
p0 272.8 ± 0.2183
340
320
300
280
260
240

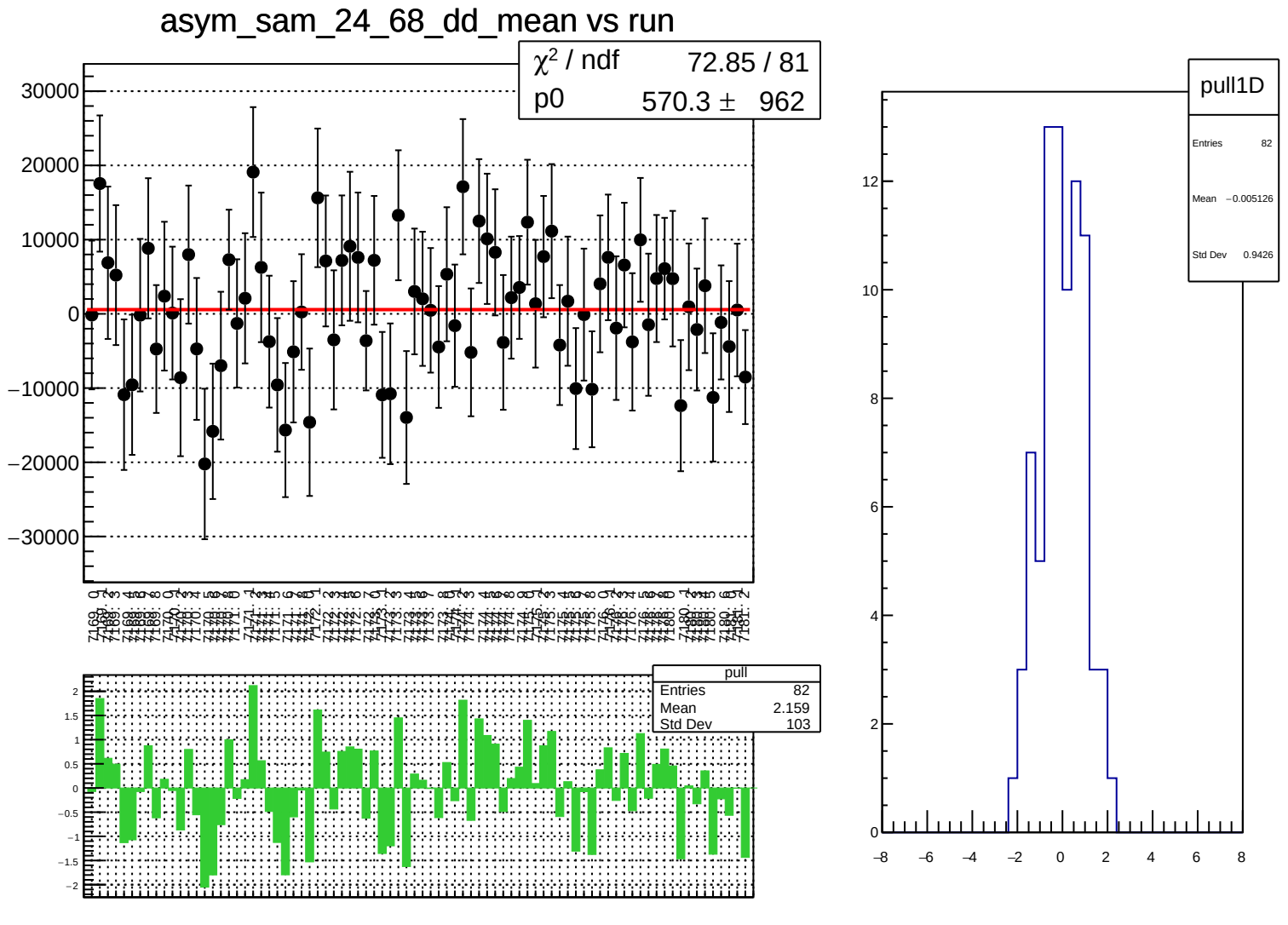

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 75.48 / 81
p0 26.56 ± 83.92
pull
Entries 82
Mean 224.5
Std Dev 186.7
pull1D
Entries 82
Mean −0.004982
Std Dev 0.9594

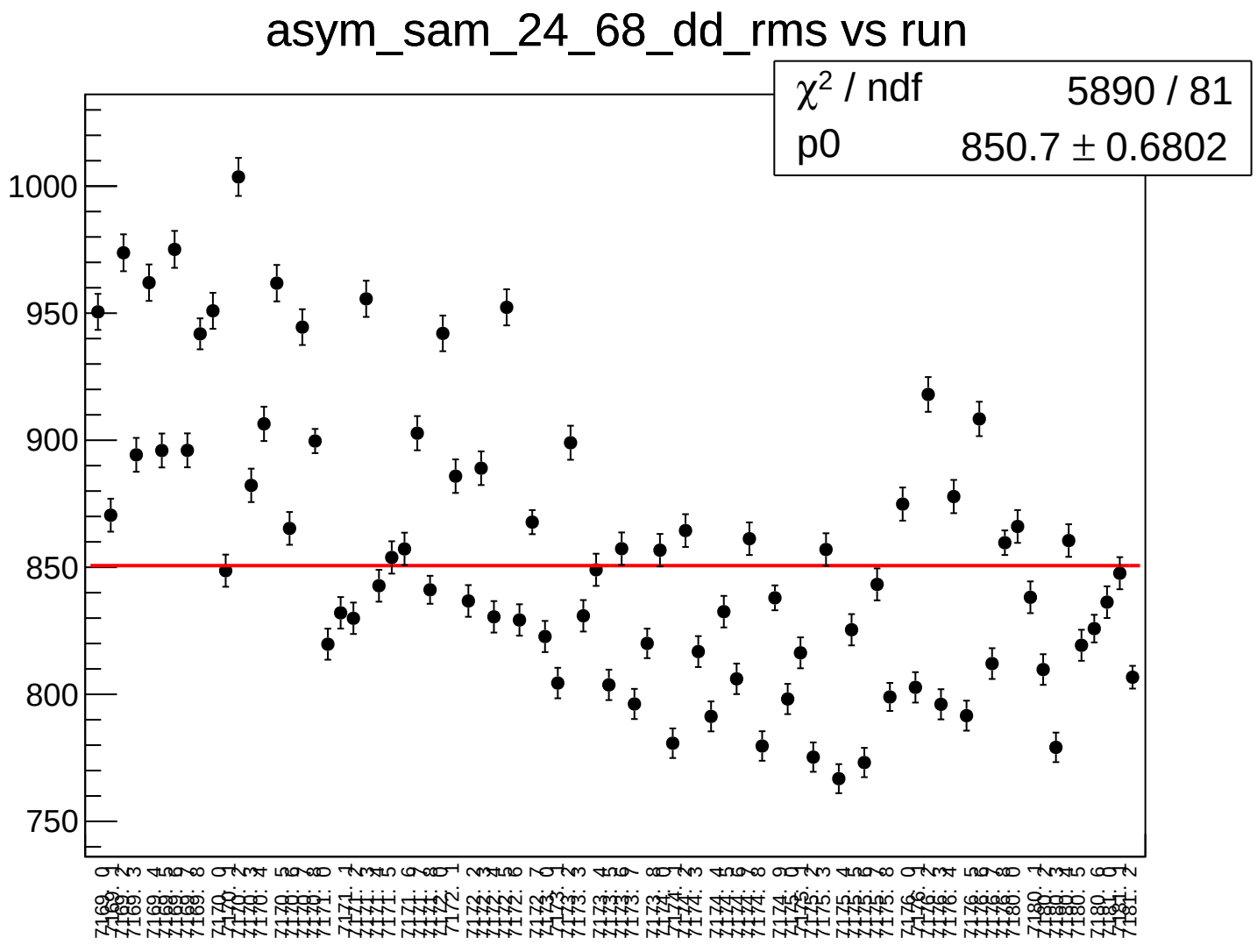
dit_asym_sam_24_68_dd_rms vs run

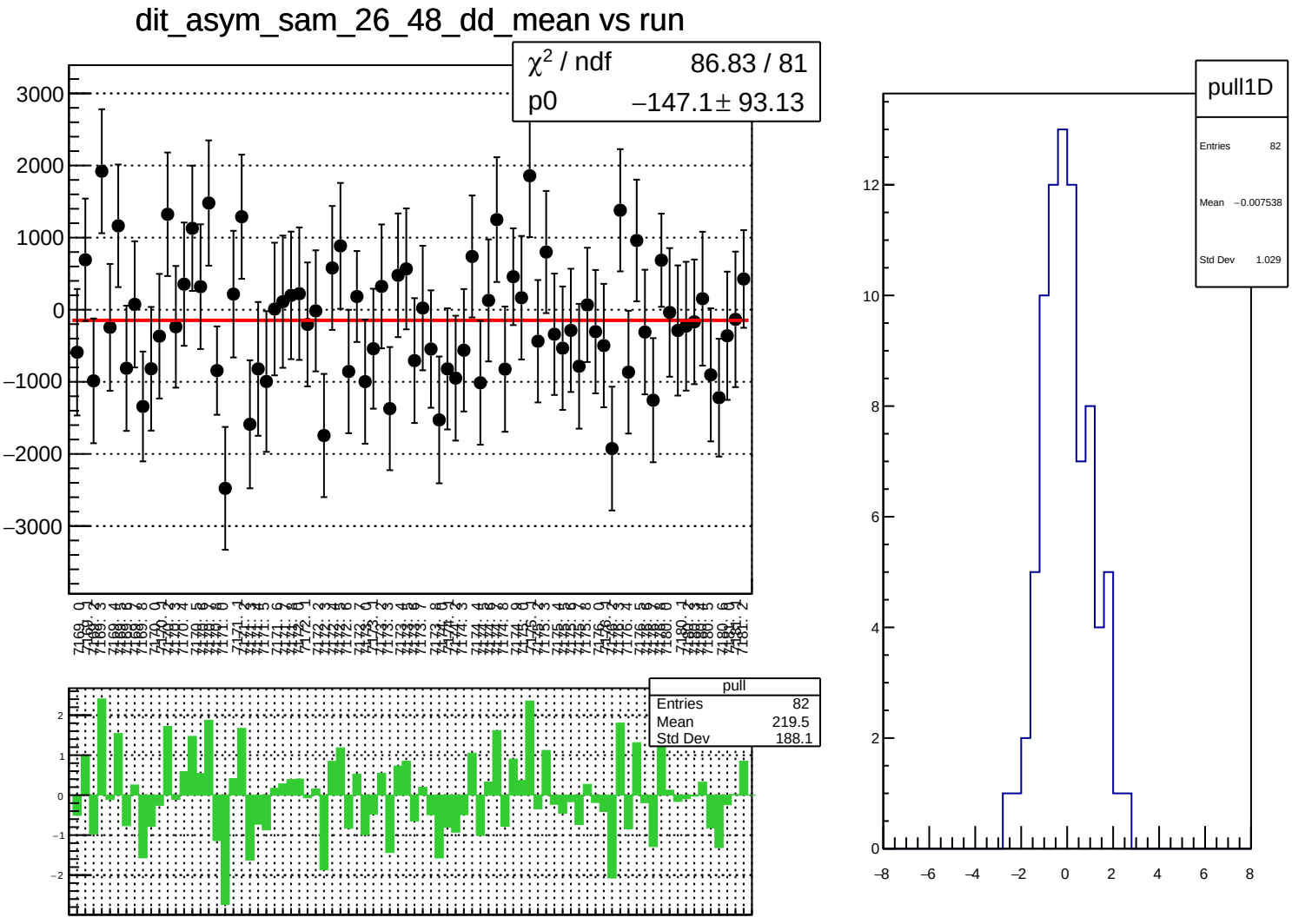


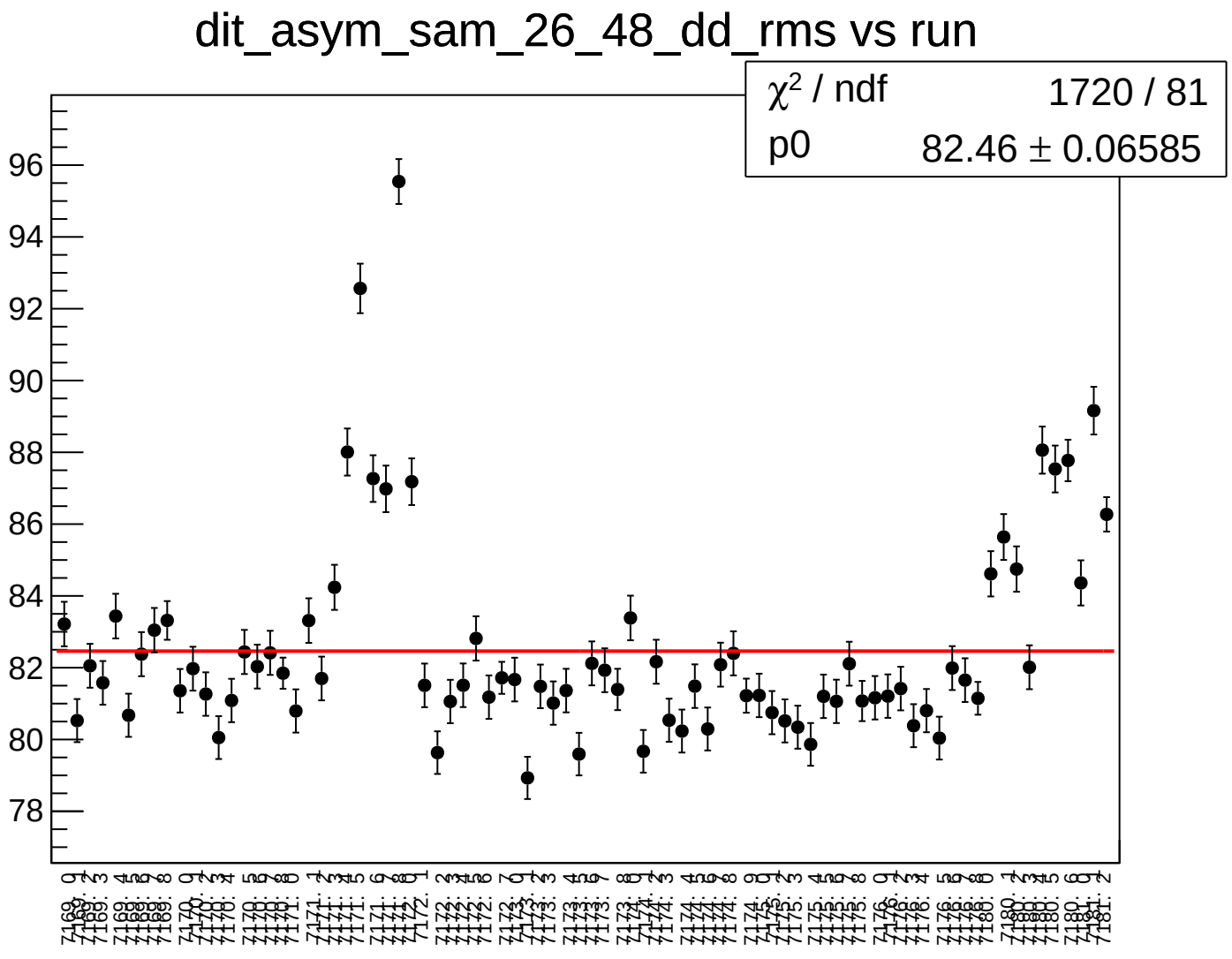

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 73.31 / 81
p0 −549.5 ± 966.2
pull
Entries 82
Mean −12.61
Std Dev 98.81
pull1D
Entries 82
Mean 0.004941
Std Dev 0.9455

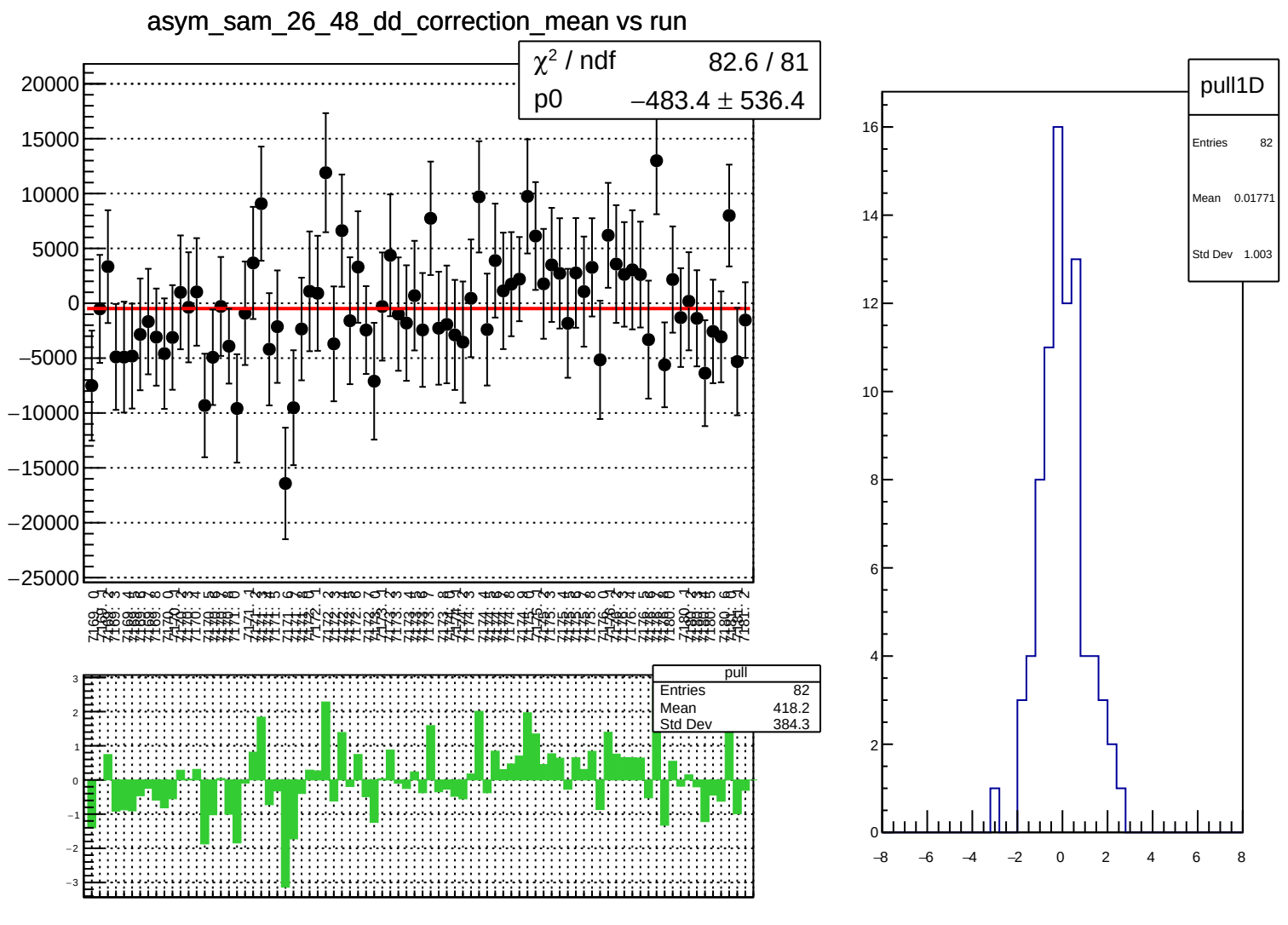

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 5789 / 81
p0 854.4 ± 0.6832
1000
950
900
850
800
750

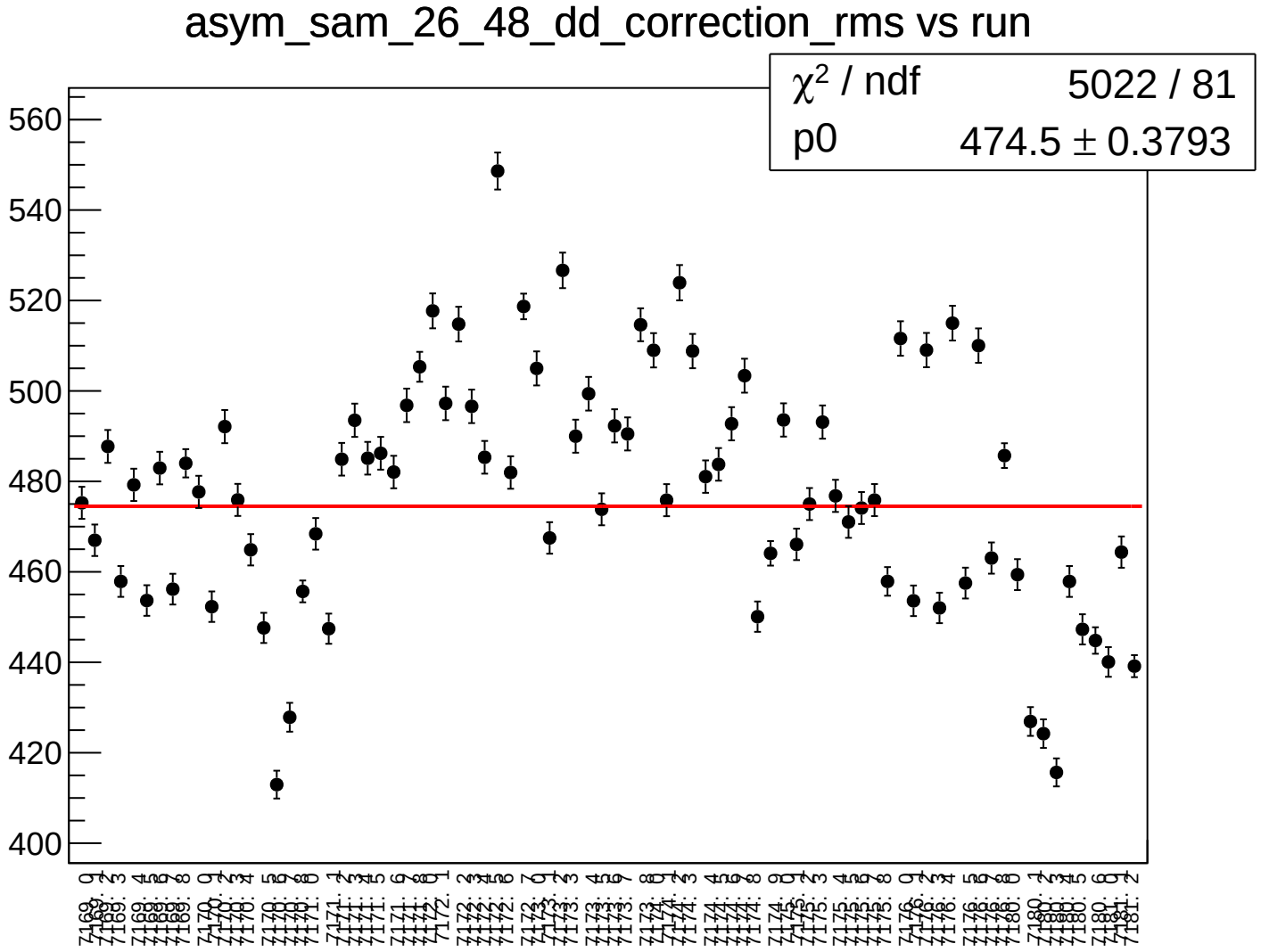

asym_sam_24_68_dd_mean vs run
χ² / ndf 72.85 / 81
p0 570.3 ± 962
pull
Entries 82
Mean 2.159
Std Dev 103
pull1D
Entries 82
Mean −0.005126
Std Dev 0.9426

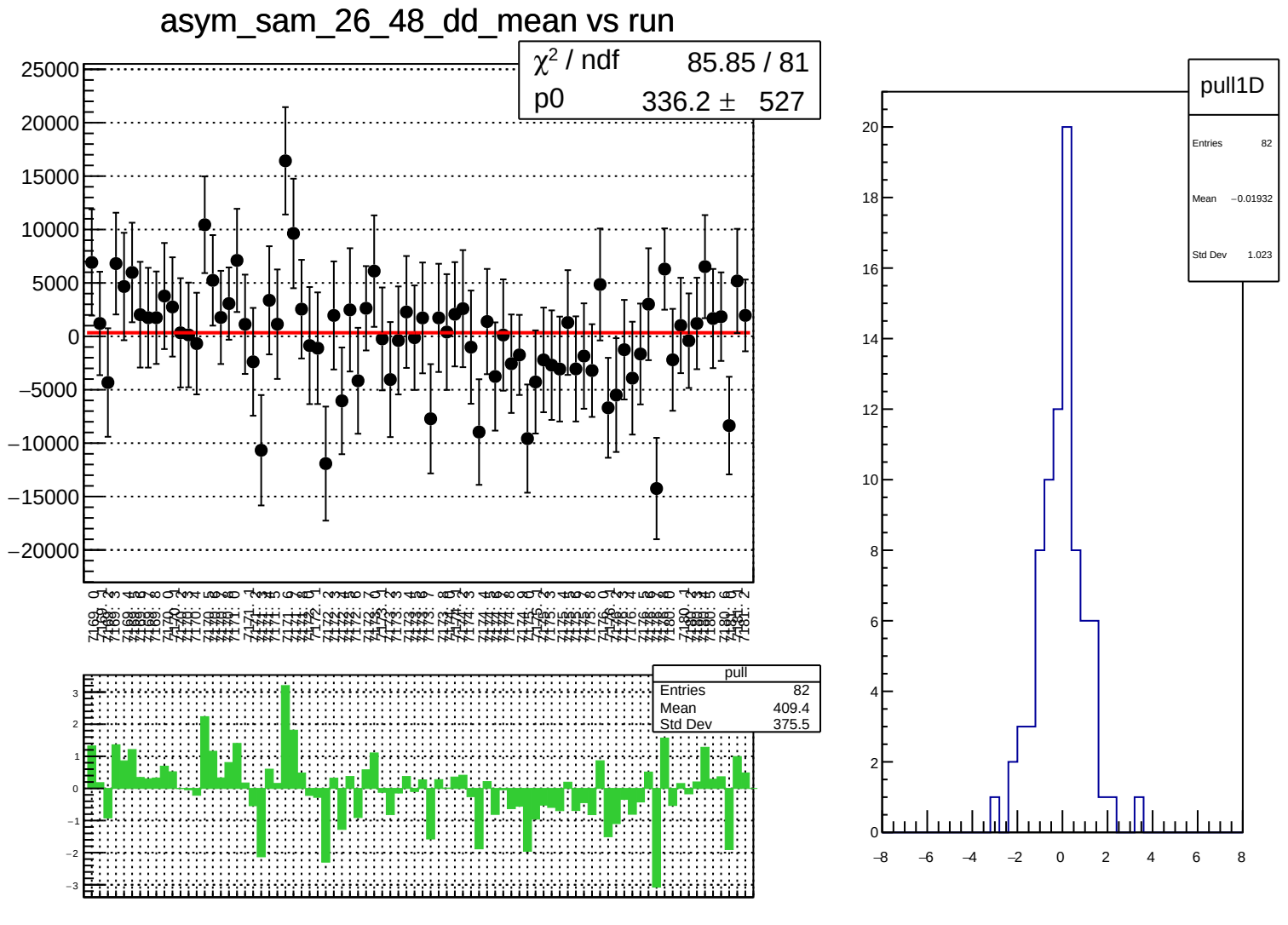

asym_sam_24_68_dd_rms vs run
χ² / ndf 5890 / 81
p0 850.7 ± 0.6802
1000
950
900
850
800
750

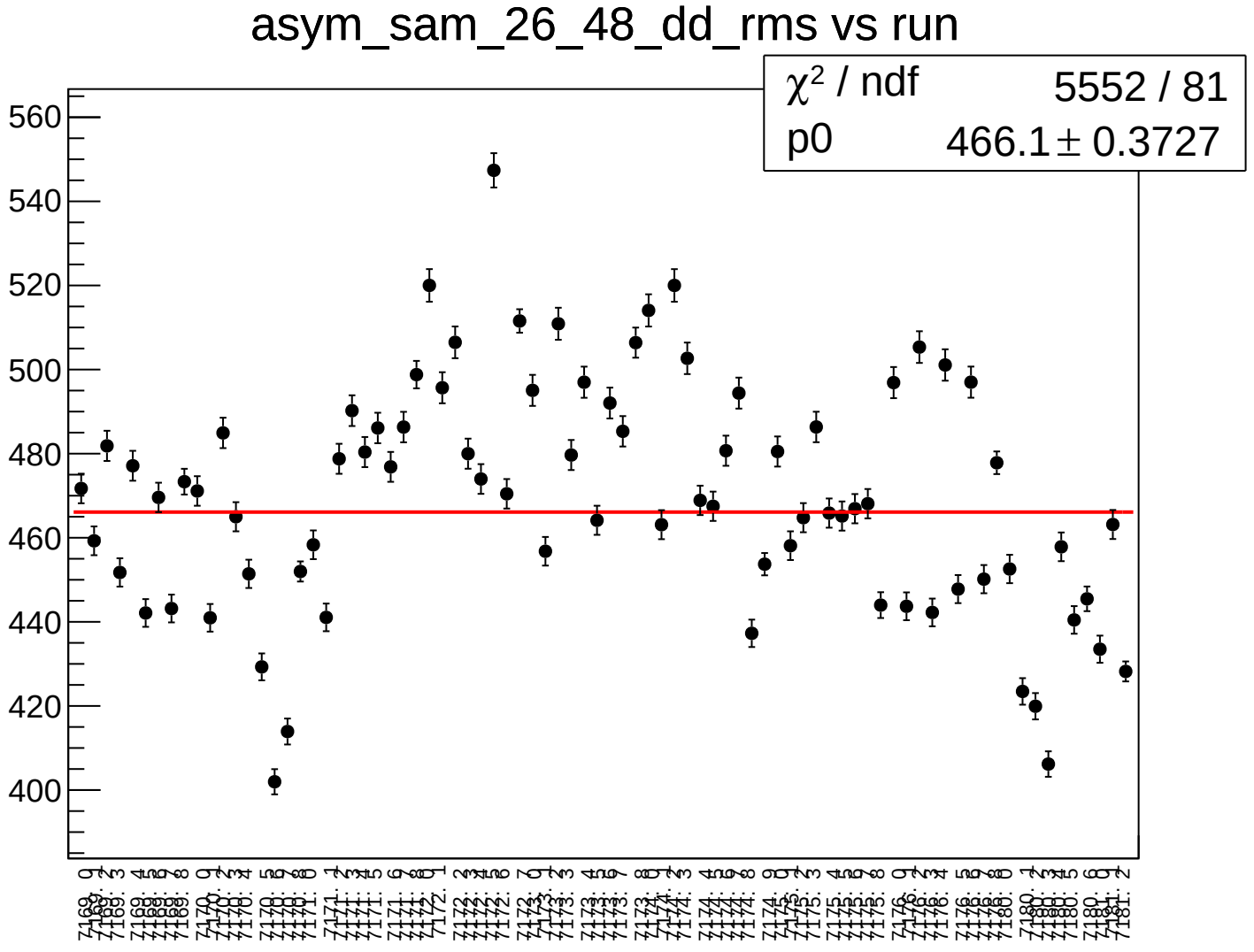

dit_asym_sam_26_48_dd_mean vs run
χ2 / ndf 86.83 / 81
p0 −147.1± 93.13
pull
Entries 82
Mean 219.5
Std Dev 188.1
pull1D
Entries 82
Mean −0.007538
Std Dev 1.029

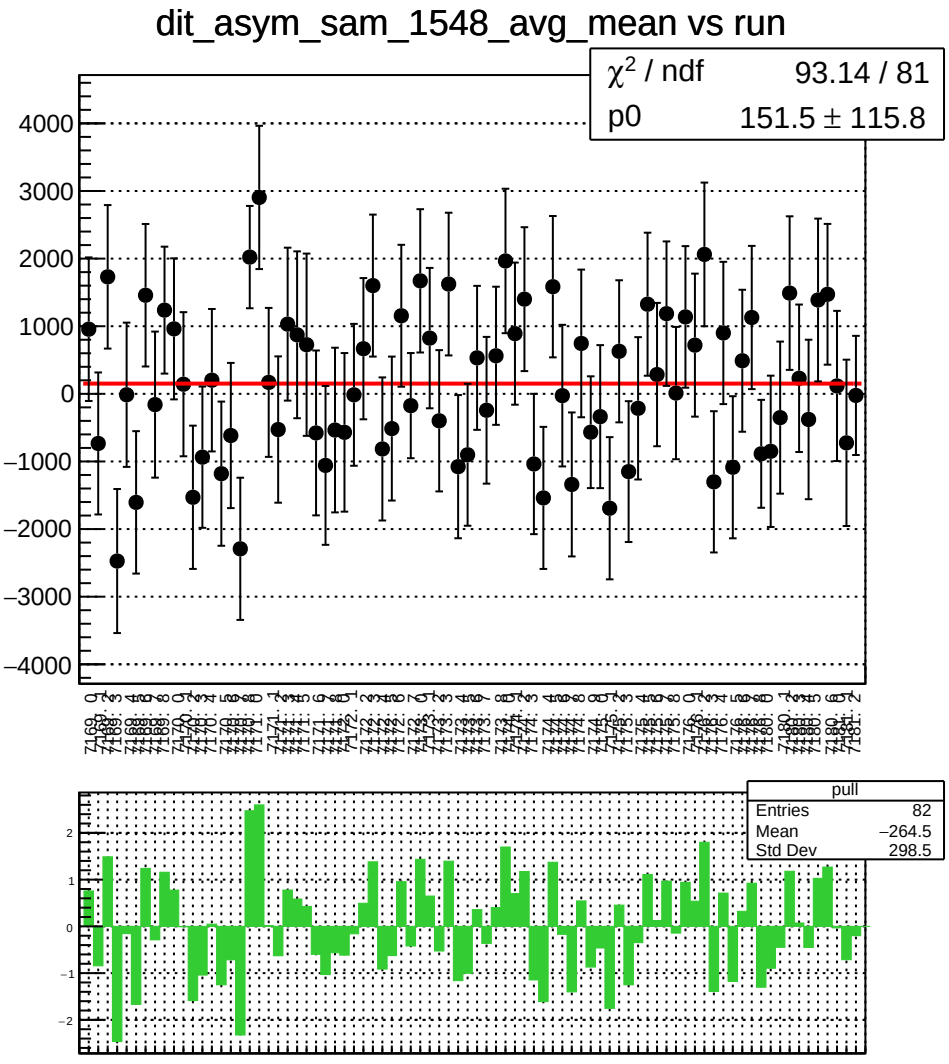

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1720 / 81
p0 82.46 ± 0.06585
96
94
92
90
88
86
84
82
80
78

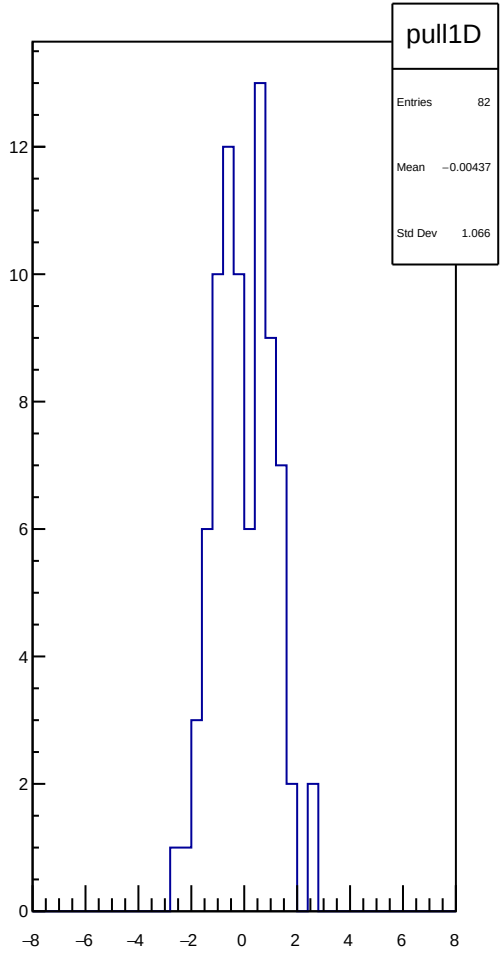

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 82.6 / 81
p0 −483.4 ± 536.4
pull
Entries 82
Mean 418.2
Std Dev 384.3
pull1D
Entries 82
Mean 0.01771
Std Dev 1.003


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5022 / 81
p0 474.5 ± 0.3793
560
540
520
500
480
460
440
420
400

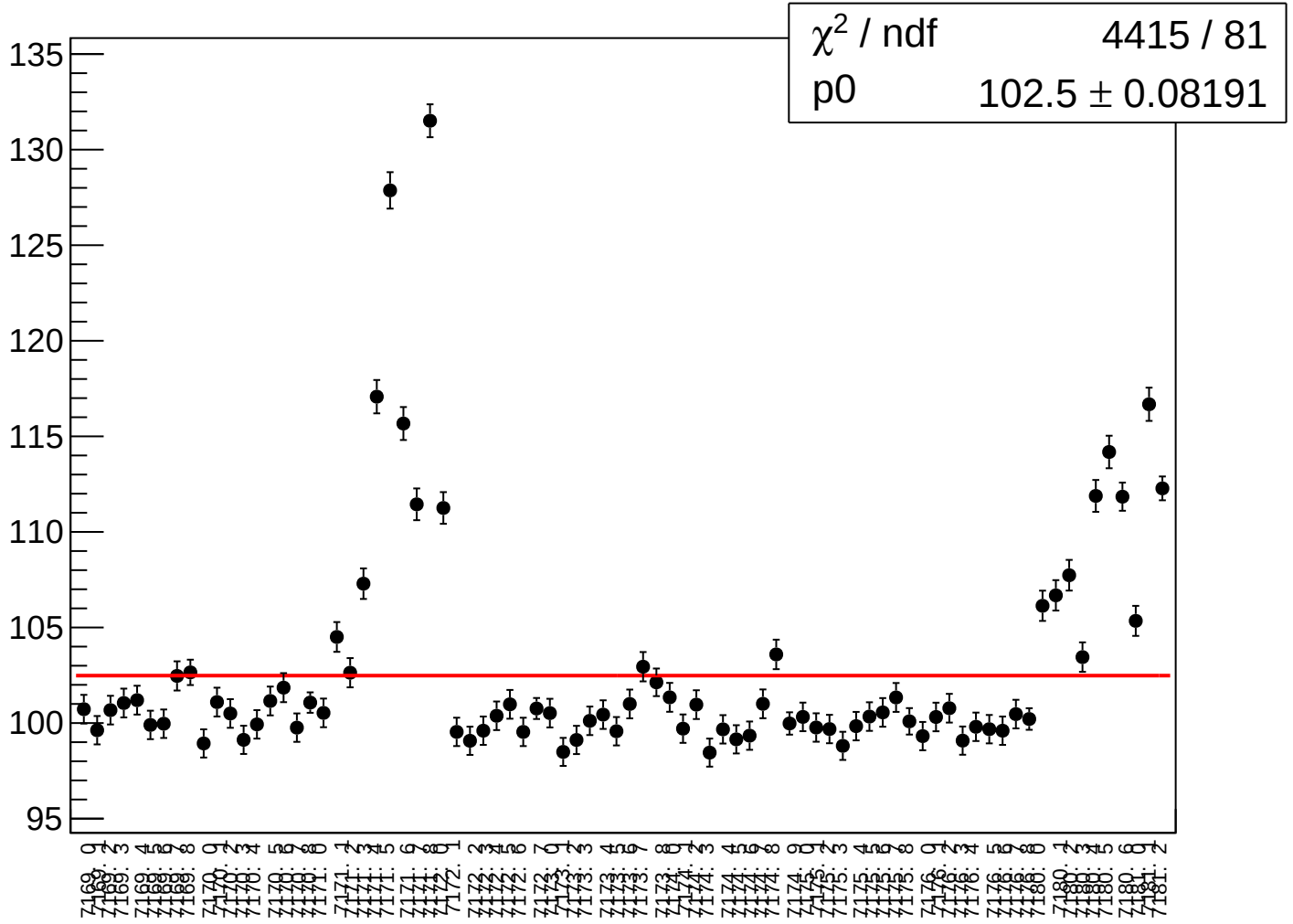

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.85 / 81
p0 336.2 ± 527
pull
Entries 82
Mean 409.4
Std Dev 375.5
pull1D
Entries 82
Mean −0.01932
Std Dev 1.023

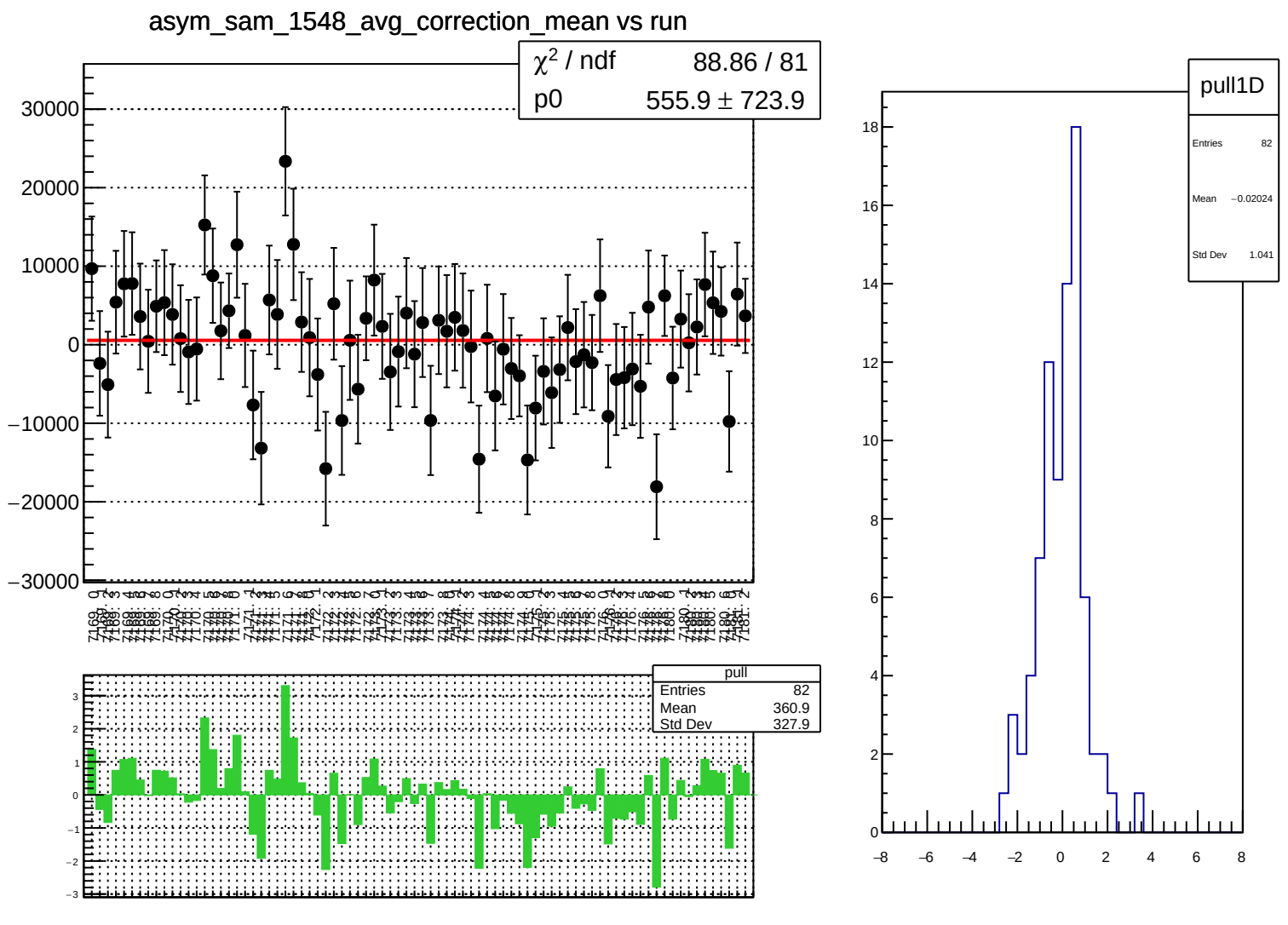

asym_sam_26_48_dd_rms vs run
χ² / ndf 5552 / 81
p0 466.1 ± 0.3727
560
540
520
500
480
460
440
420
400

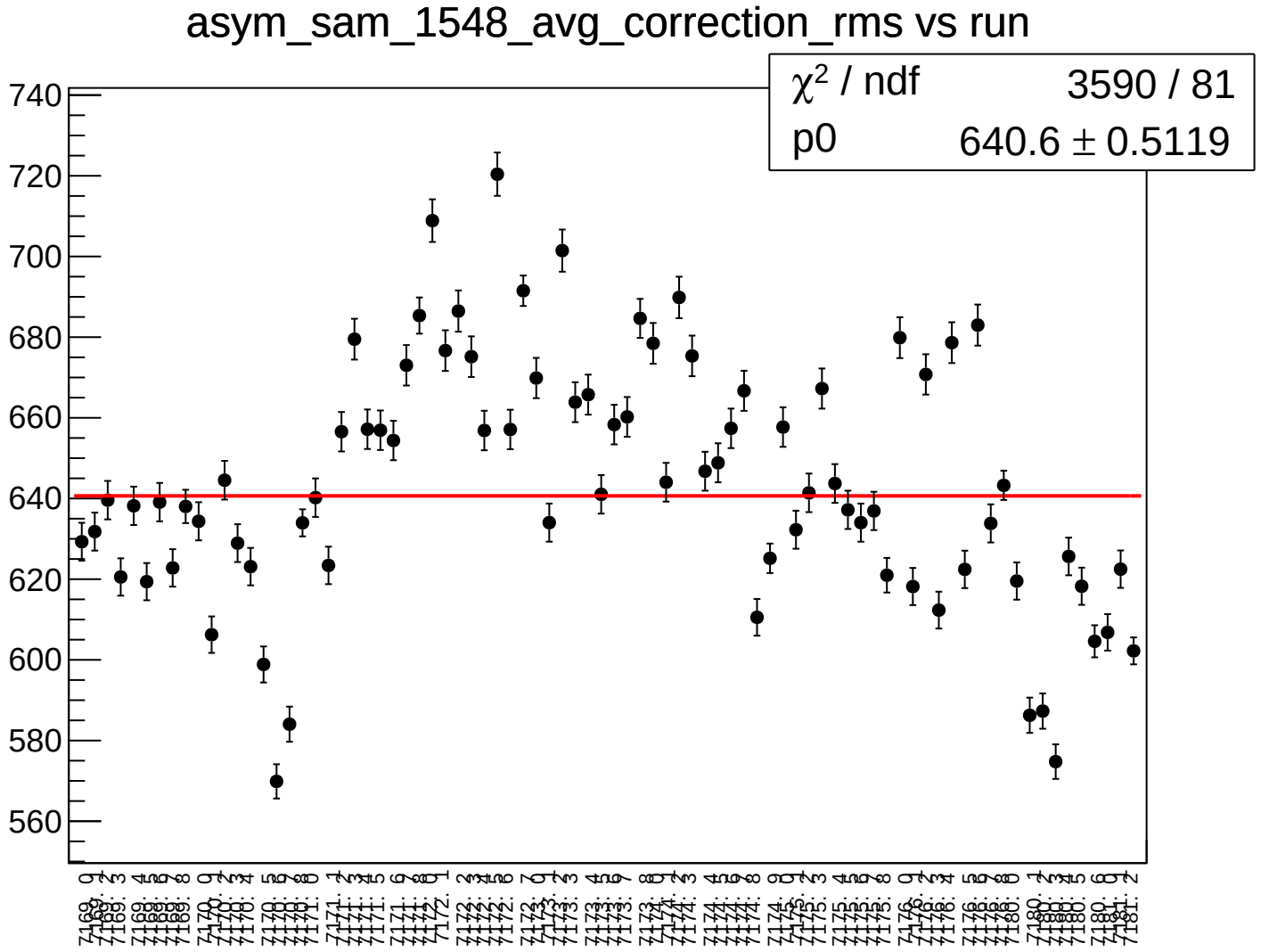

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 93.14 / 81
p0 151.5 ± 115.8
pull
Entries 82
Mean −264.5
Std Dev 298.5

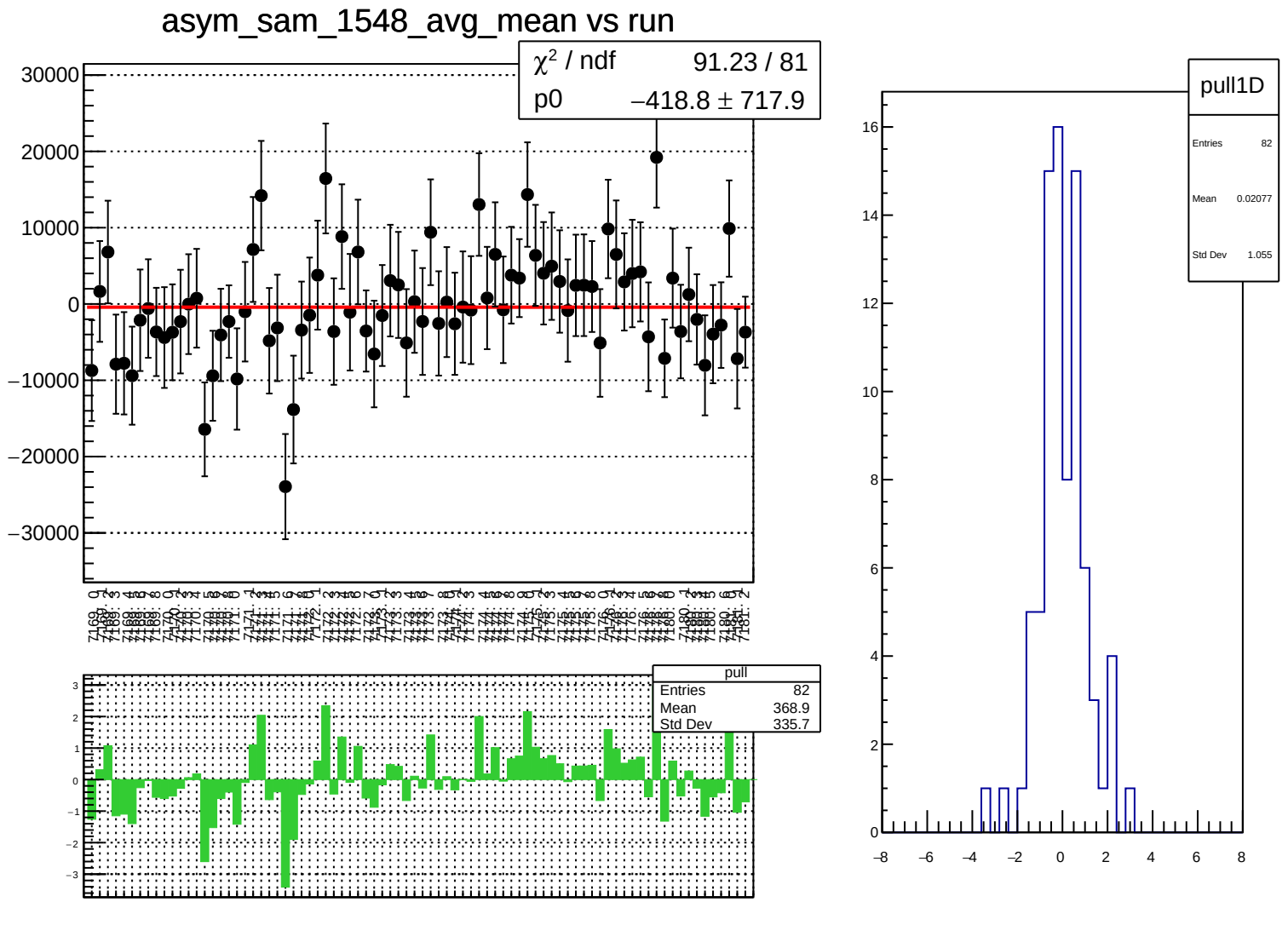

pull1D
Entries 82
Mean −0.00437
Std Dev 1.066

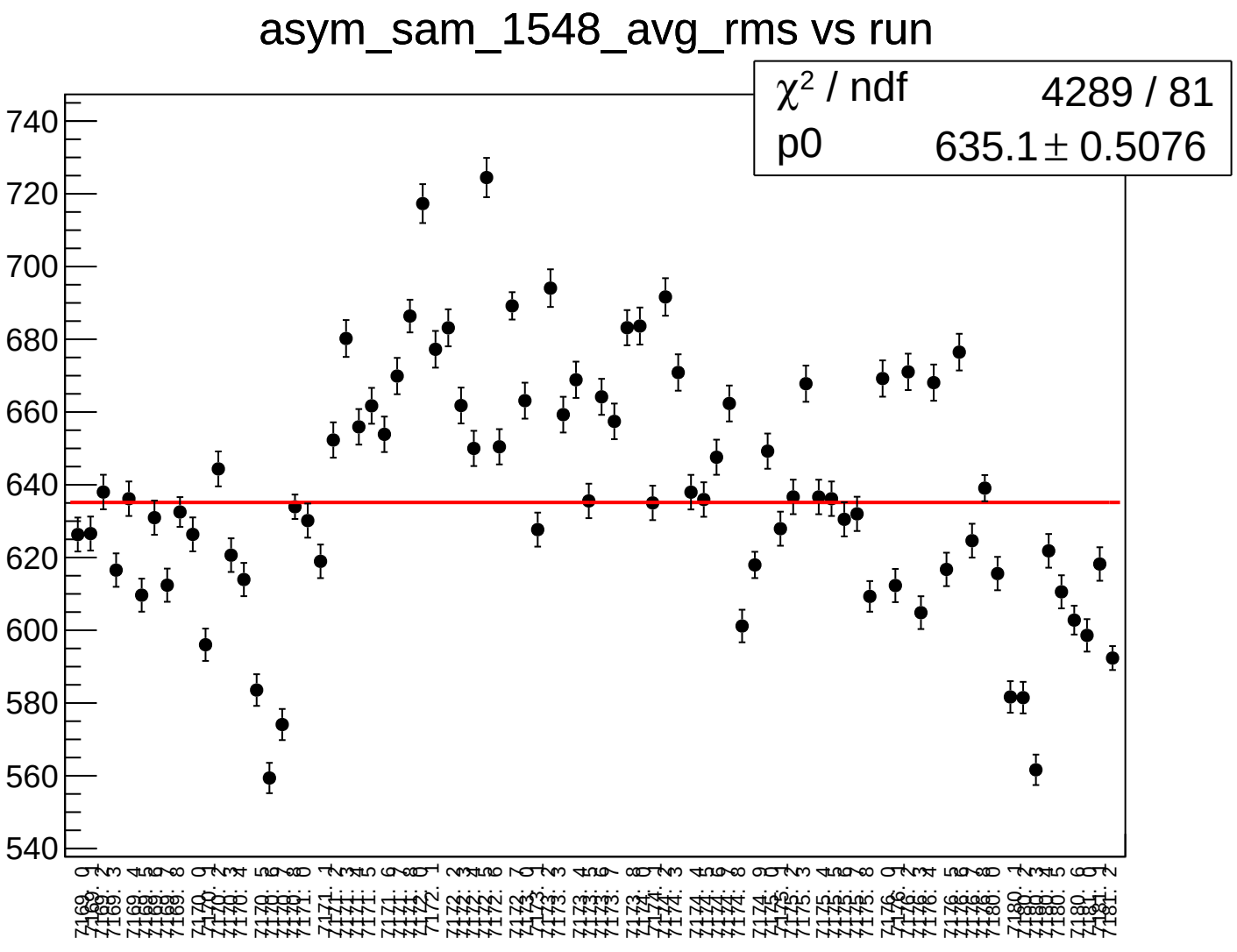
dit_asym_sam_1548_avg_rms vs run

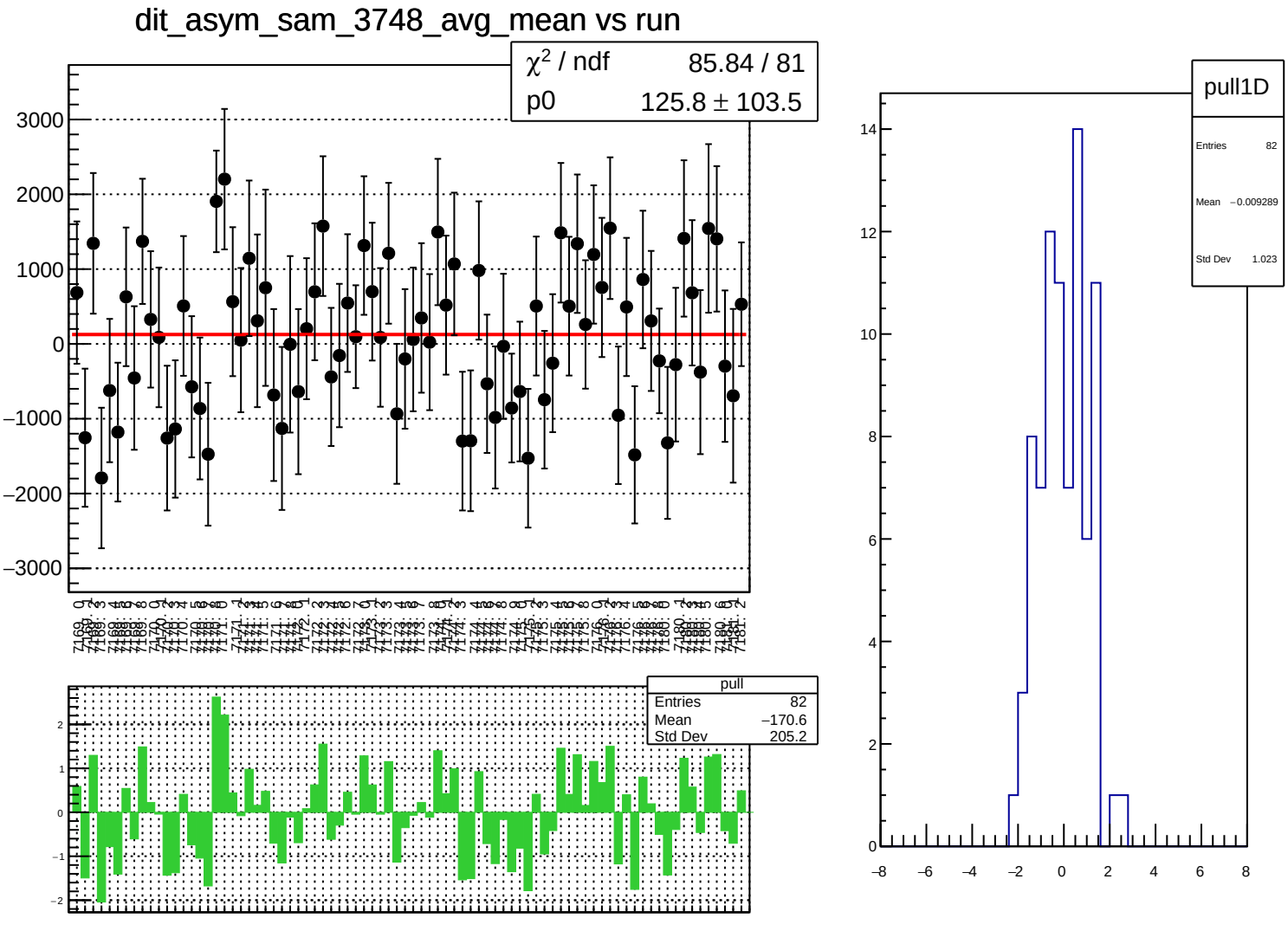



asym_sam_1548_avg_correction_mean vs run
χ² / ndf 88.86 / 81
p0 555.9 ± 723.9
pull
Entries 82
Mean 360.9
Std Dev 327.9
pull1D
Entries 82
Mean −0.02024
Std Dev 1.041

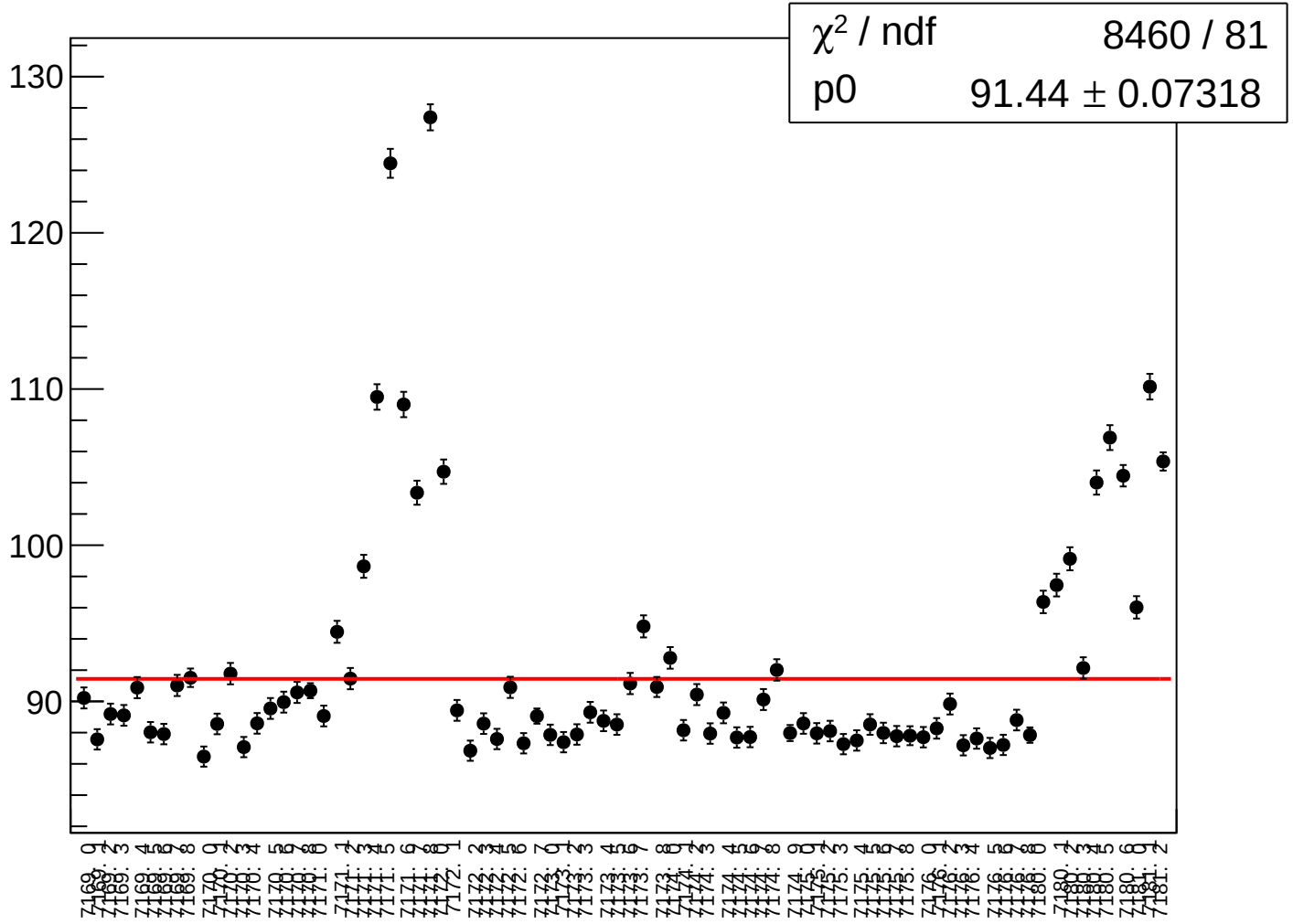

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3590 / 81
p0 640.6 ± 0.5119
740
720
700
680
660
640
620
600
580
560

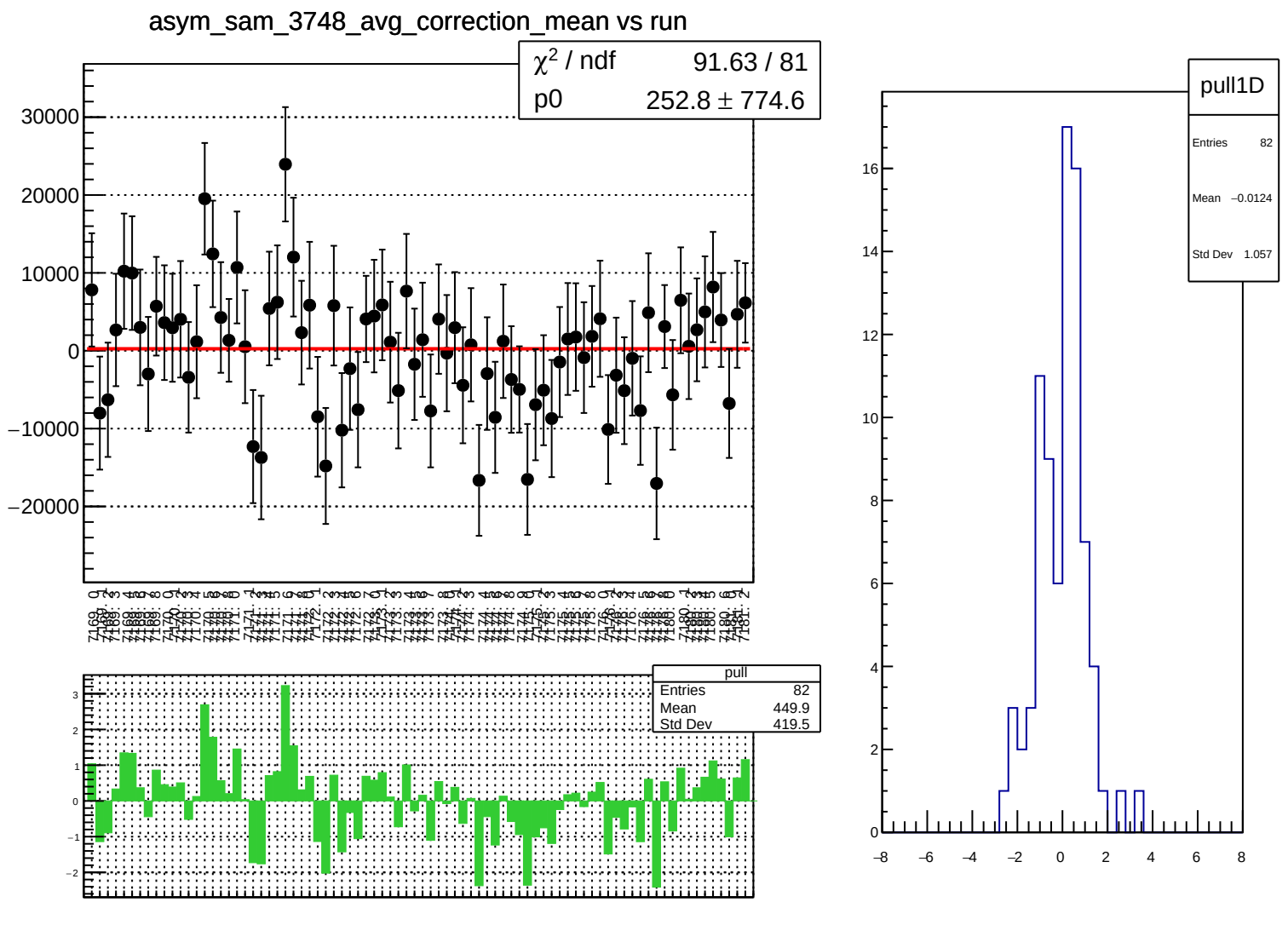

asym_sam_1548_avg_mean vs run
χ² / ndf 91.23 / 81
p0 −418.8 ± 717.9
pull
Entries 82
Mean 368.9
Std Dev 335.7
pull1D
Entries 82
Mean 0.02077
Std Dev 1.055

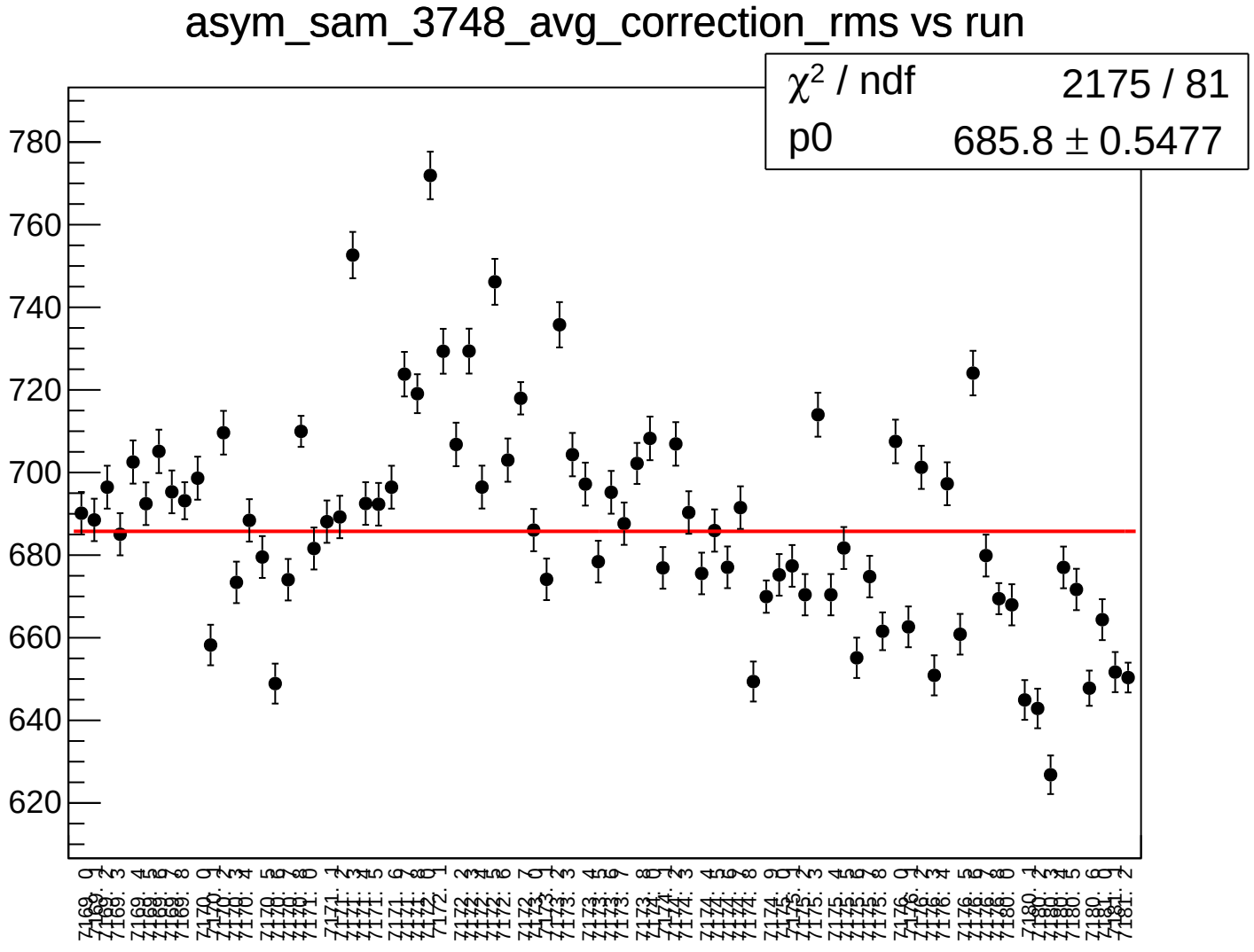

asym_sam_1548_avg_rms vs run
χ² / ndf 4289 / 81
p0 635.1 ± 0.5076
740
720
700
680
660
640
620
600
580
560
540

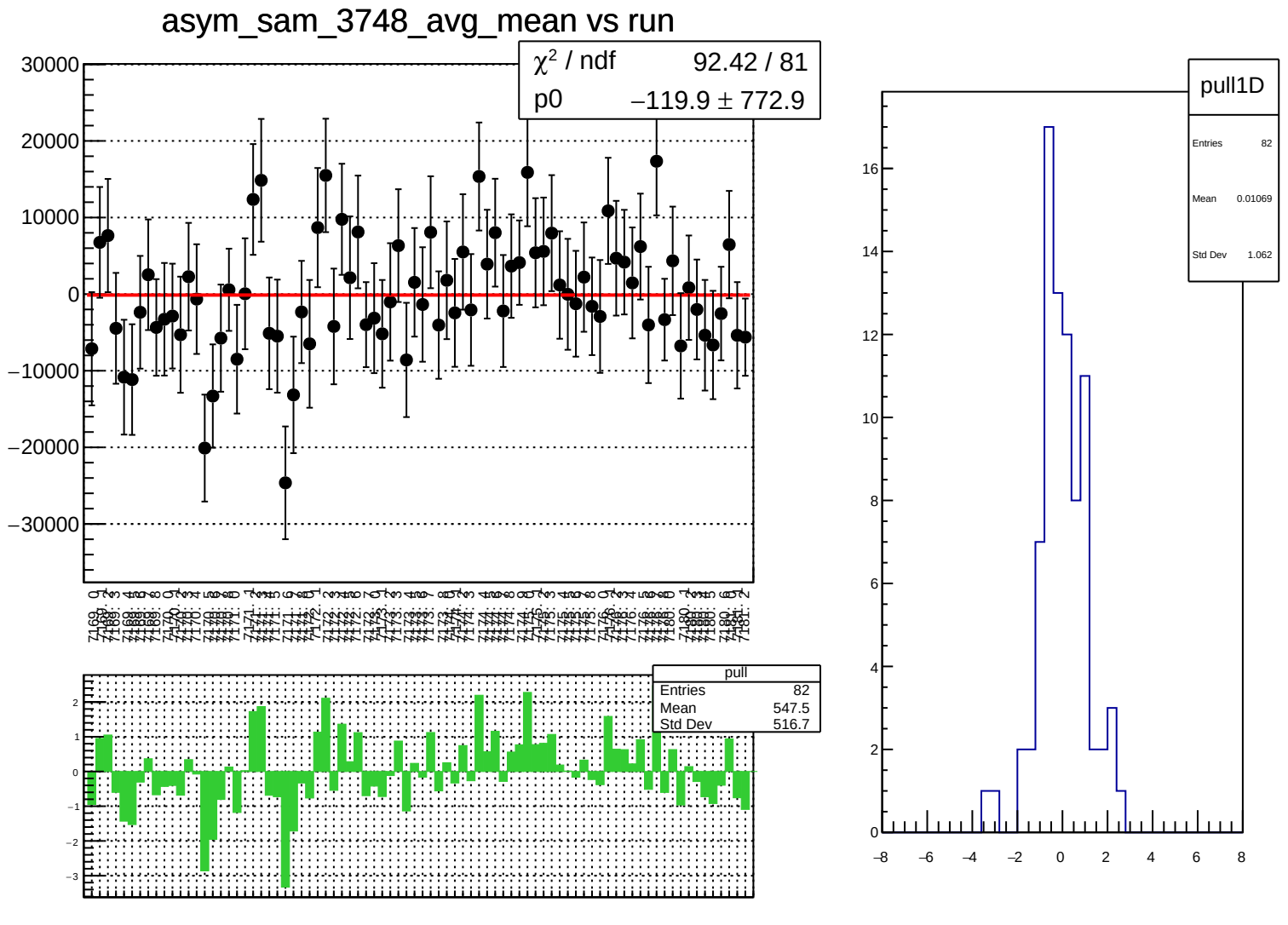

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 85.84 / 81
p0 125.8 ± 103.5
pull
Entries 82
Mean −170.6
Std Dev 205.2
pull1D
Entries 82
Mean −0.009289
Std Dev 1.023

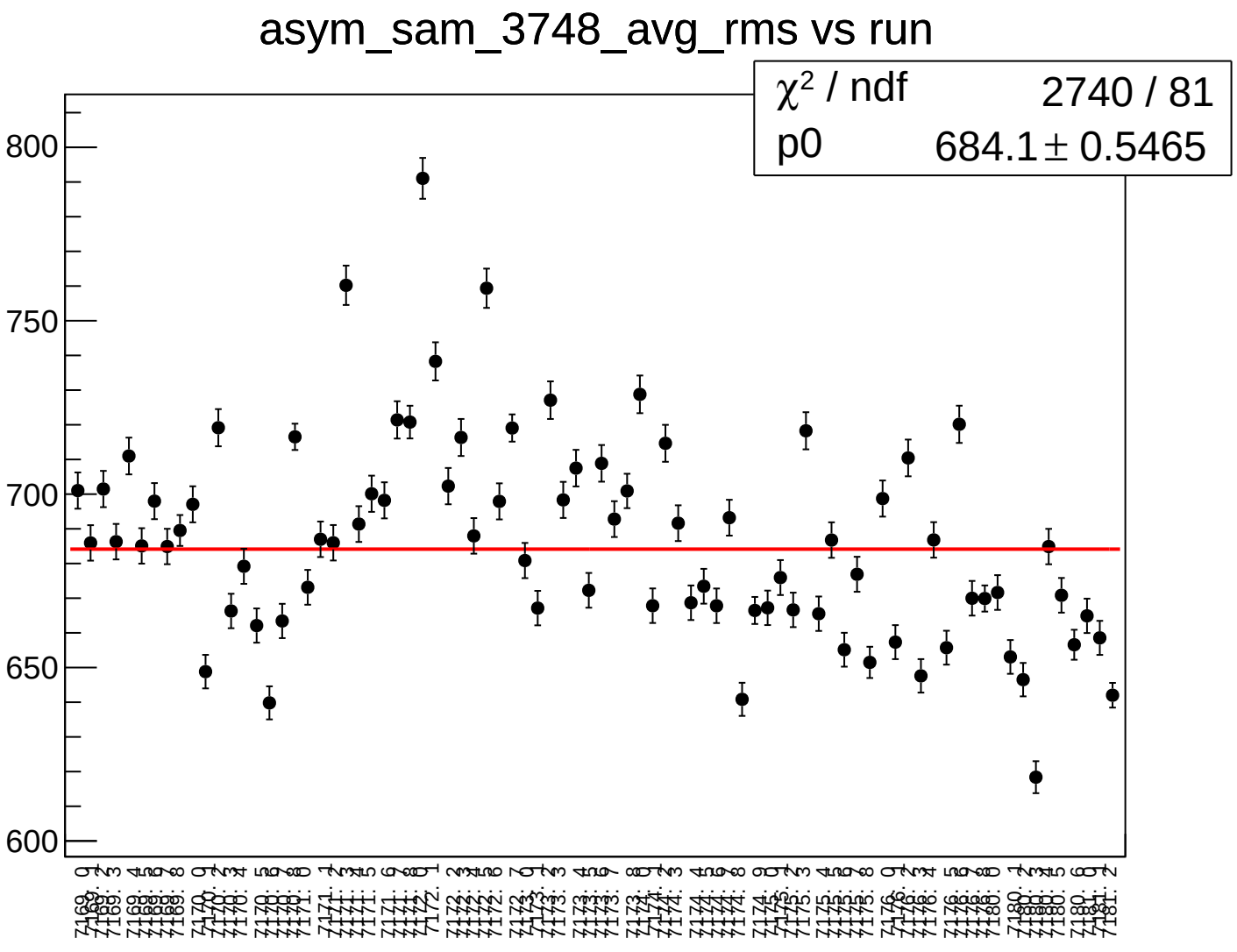
dit_asym_sam_3748_avg_rms vs run

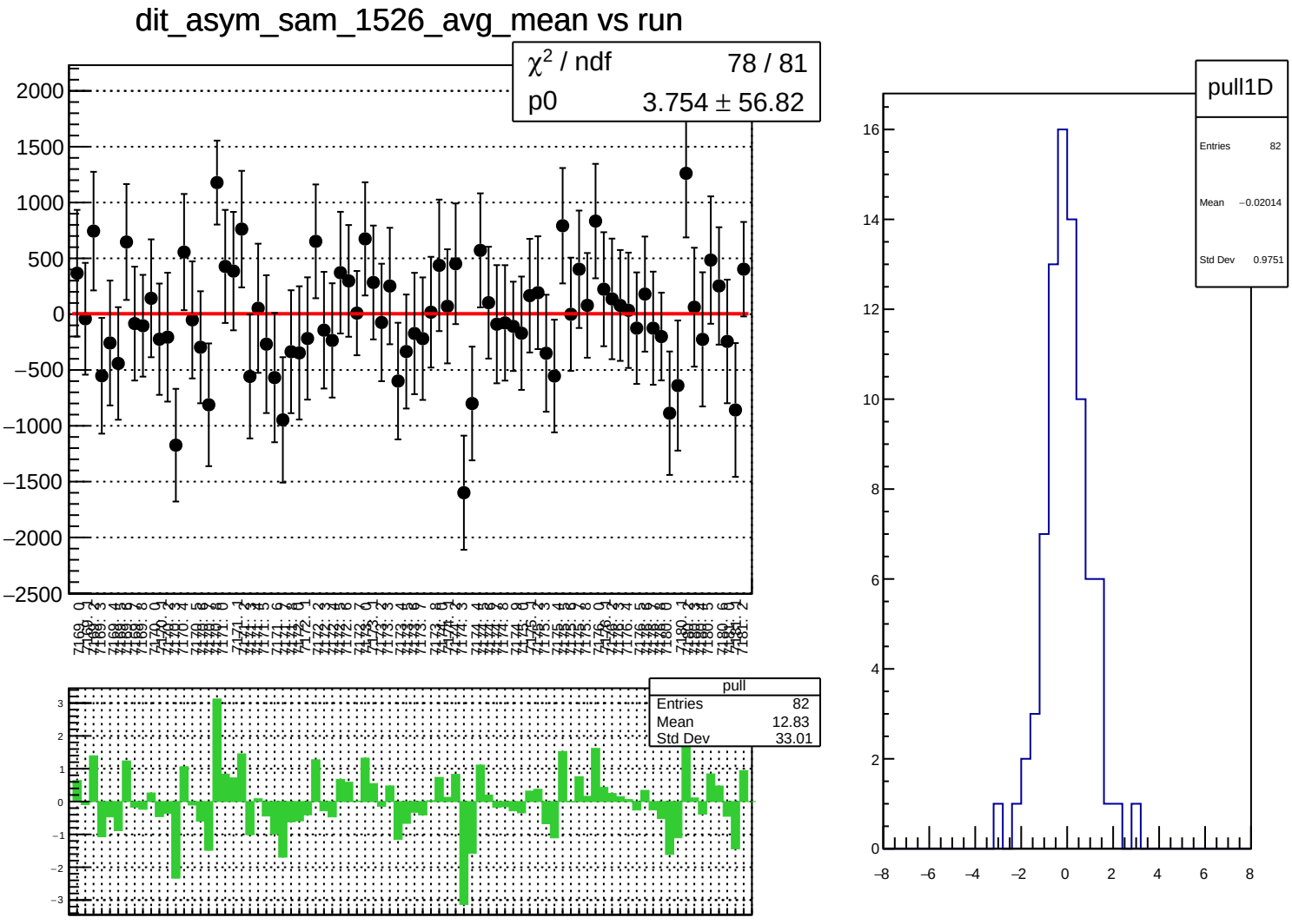



asym_sam_3748_avg_correction_mean vs run
χ² / ndf 91.63 / 81
p0 252.8 ± 774.6
pull
Entries 82
Mean 449.9
Std Dev 419.5
pull1D
Entries 82
Mean −0.0124
Std Dev 1.057

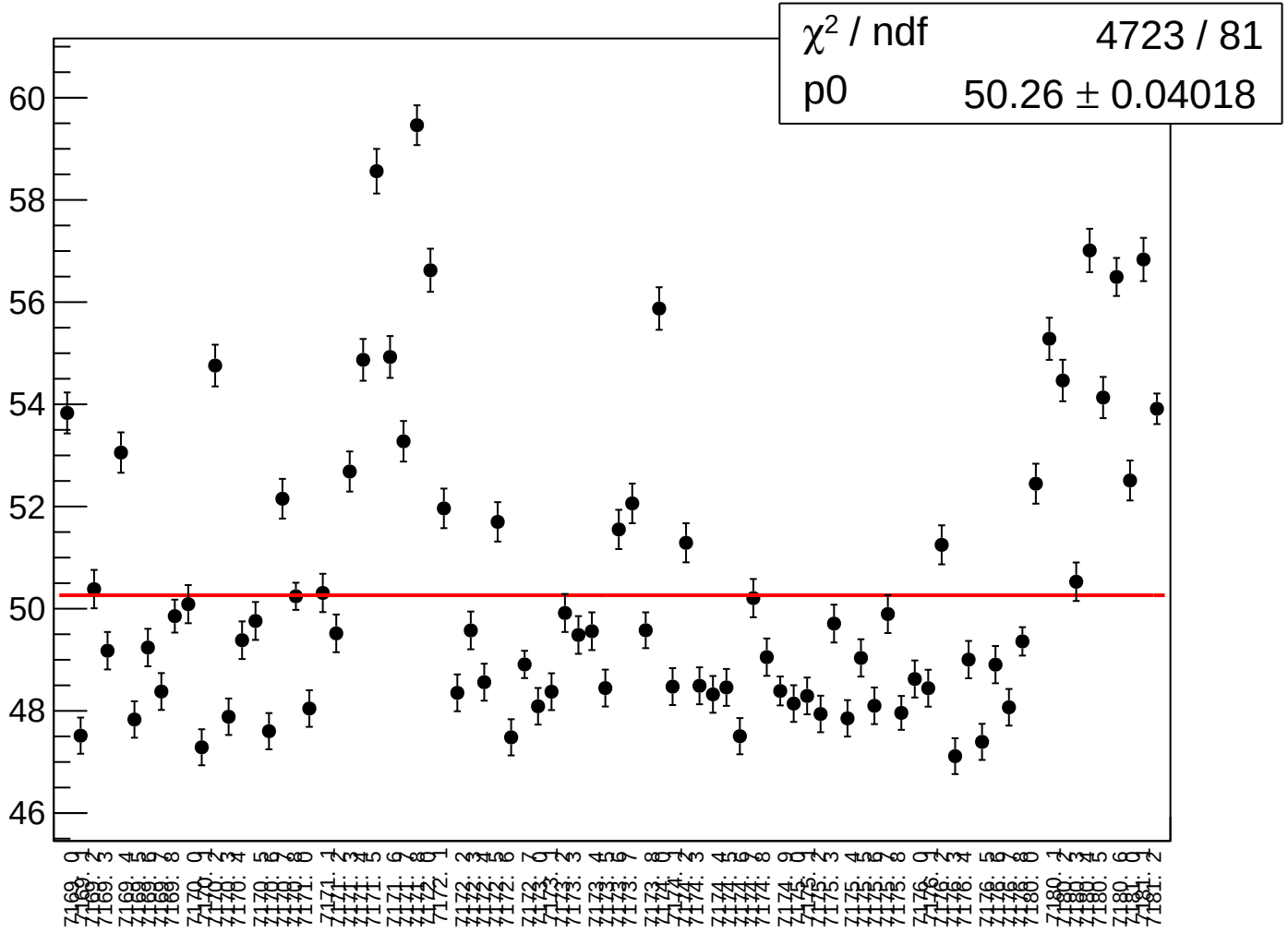

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2175 / 81
p0 685.8 ± 0.5477
780
760
740
720
700
680
660
640
620

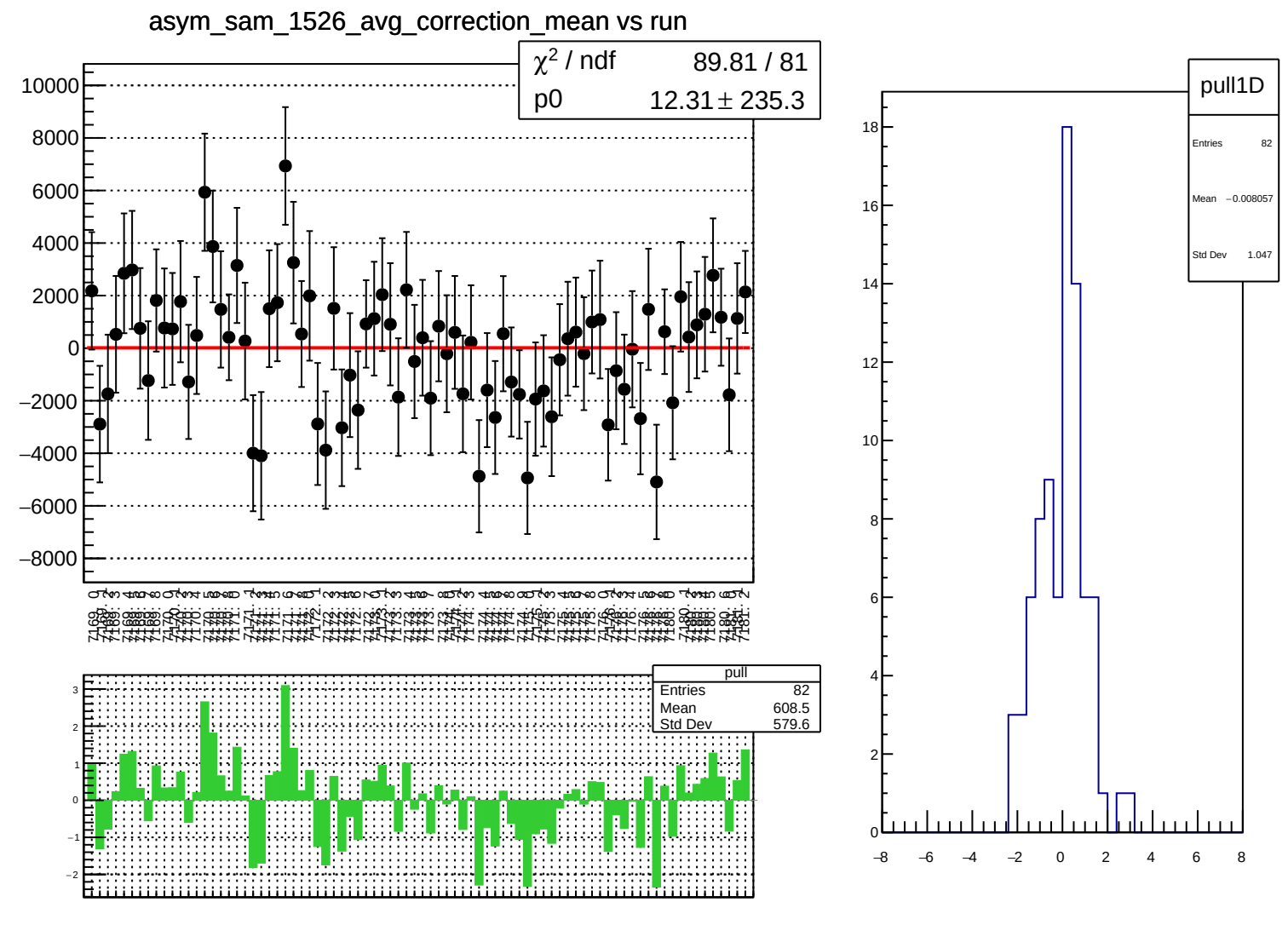

asym_sam_3748_avg_mean vs run
χ^2 / ndf 92.42 / 81
p0 −119.9 ± 772.9
pull
Entries 82
Mean 547.5
Std Dev 516.7
pull1D
Entries 82
Mean 0.01069
Std Dev 1.062

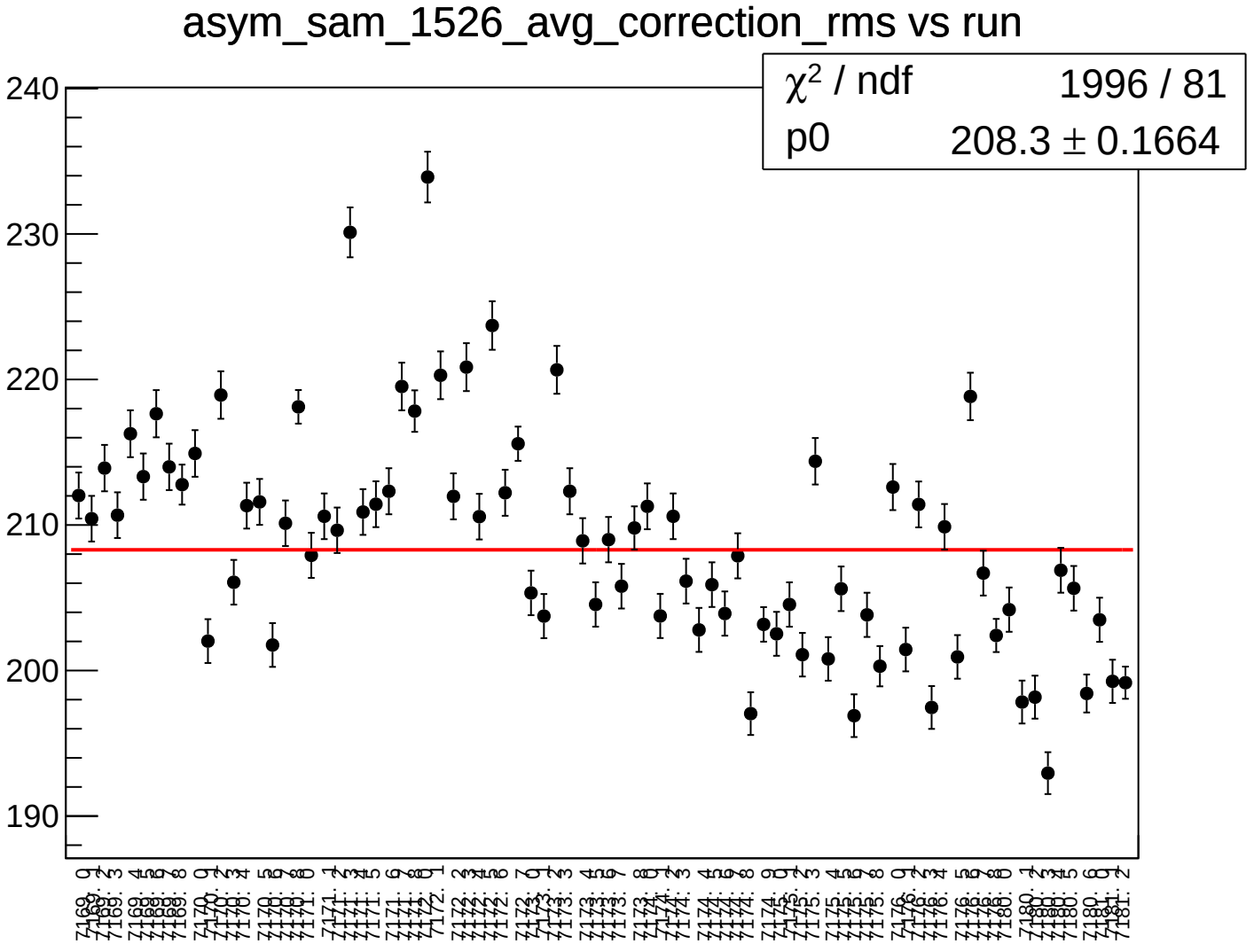

asym_sam_3748_avg_rms vs run
χ² / ndf 2740 / 81
p0 684.1 ± 0.5465
800
750
700
650
600

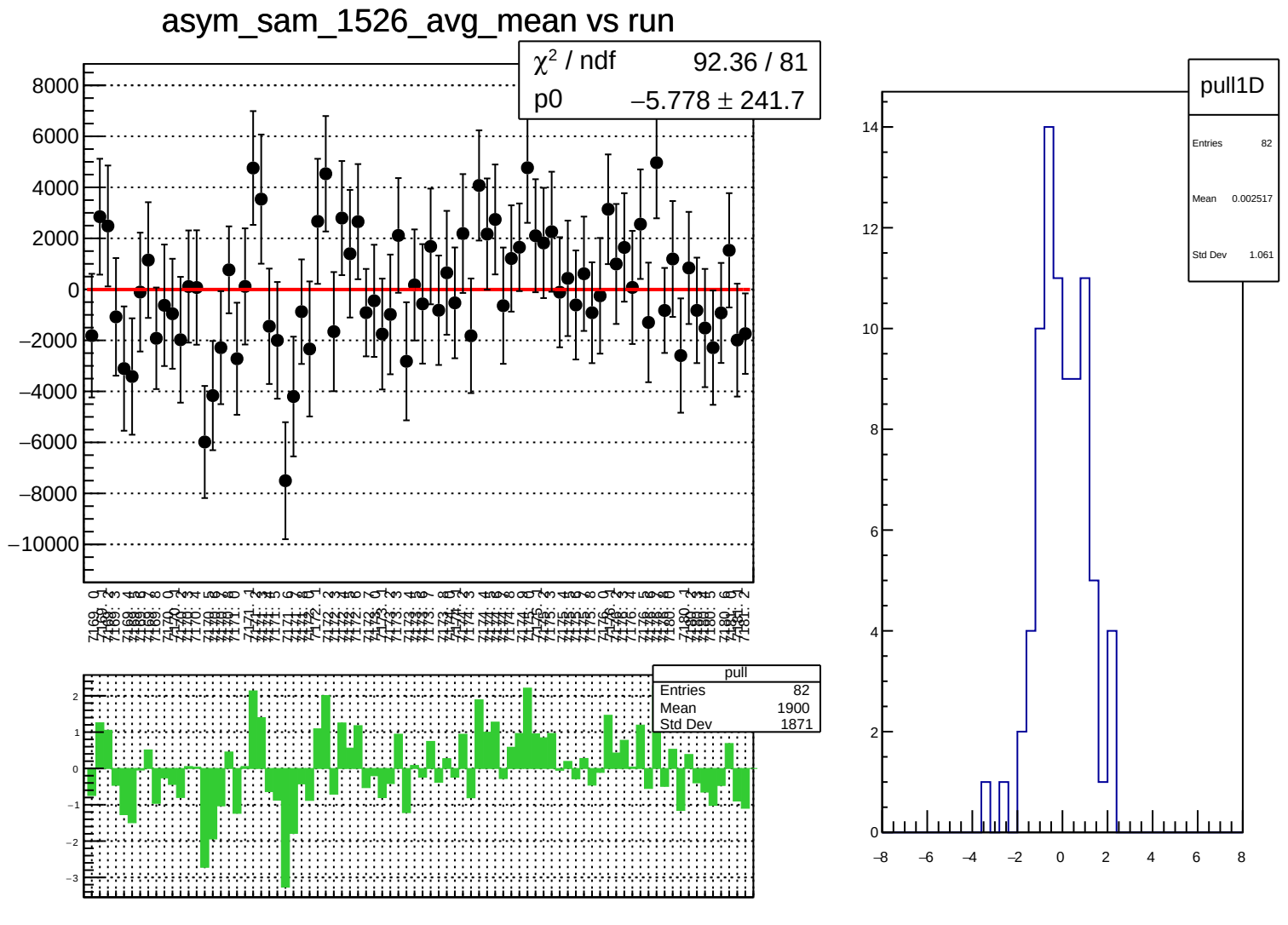

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 78 / 81
p0 3.754 ± 56.82
pull
Entries 82
Mean 12.83
Std Dev 33.01
pull1D
Entries 82
Mean −0.02014
Std Dev 0.9751

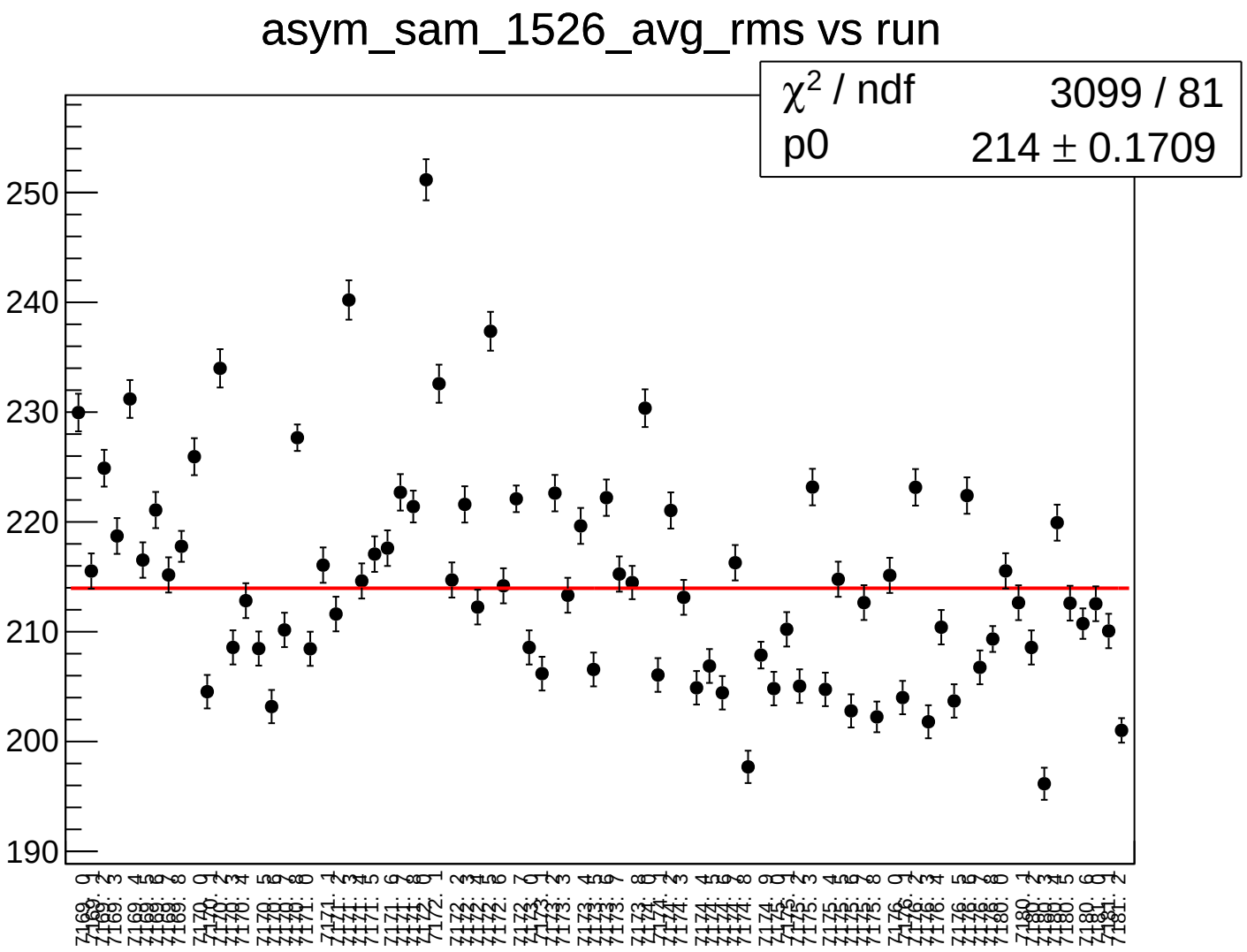
dit_asym_sam_1526_avg_rms vs run

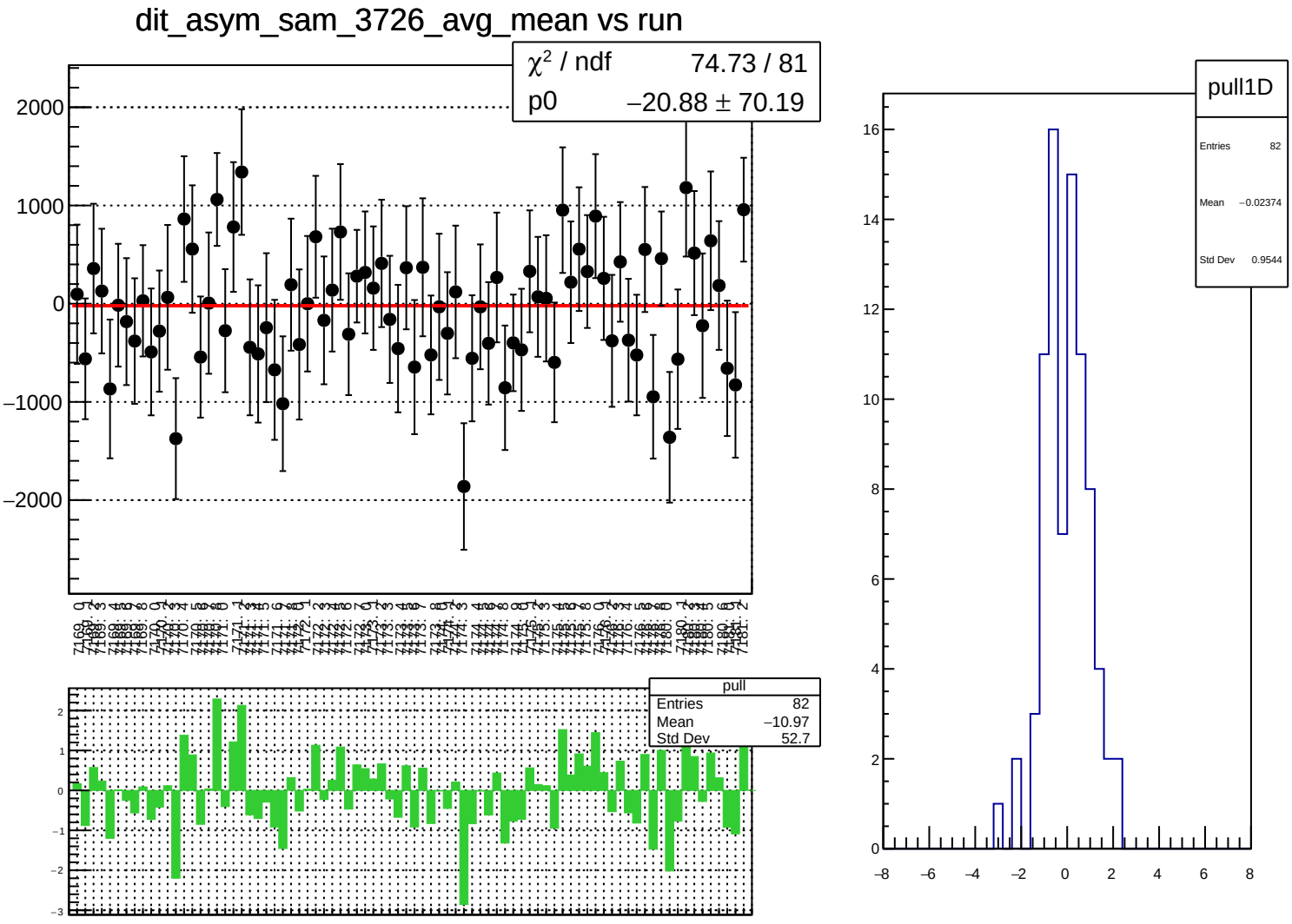


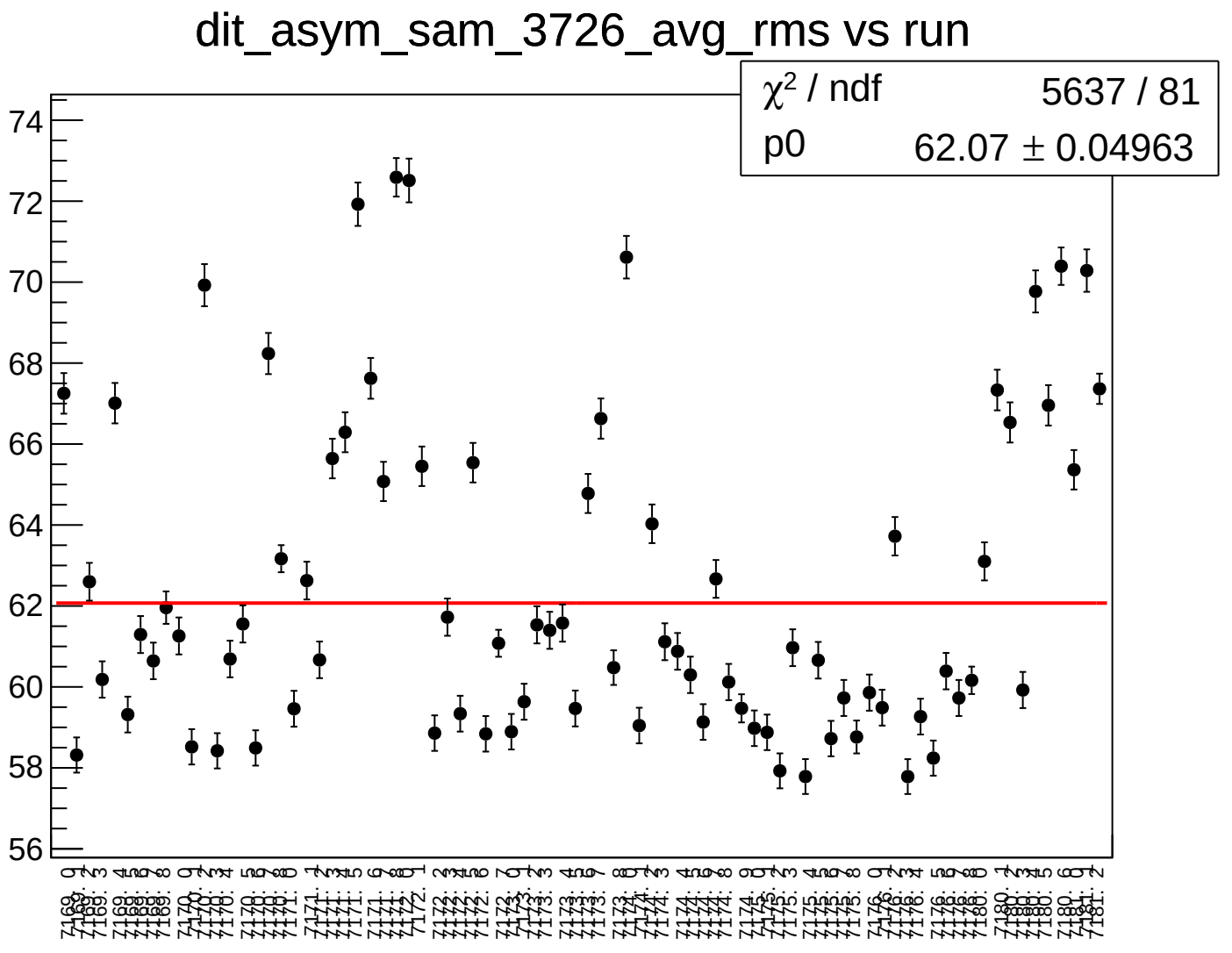

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 89.81 / 81
p0 12.31 ± 235.3
pull
Entries 82
Mean 608.5
Std Dev 579.6
pull1D
Entries 82
Mean −0.008057
Std Dev 1.047

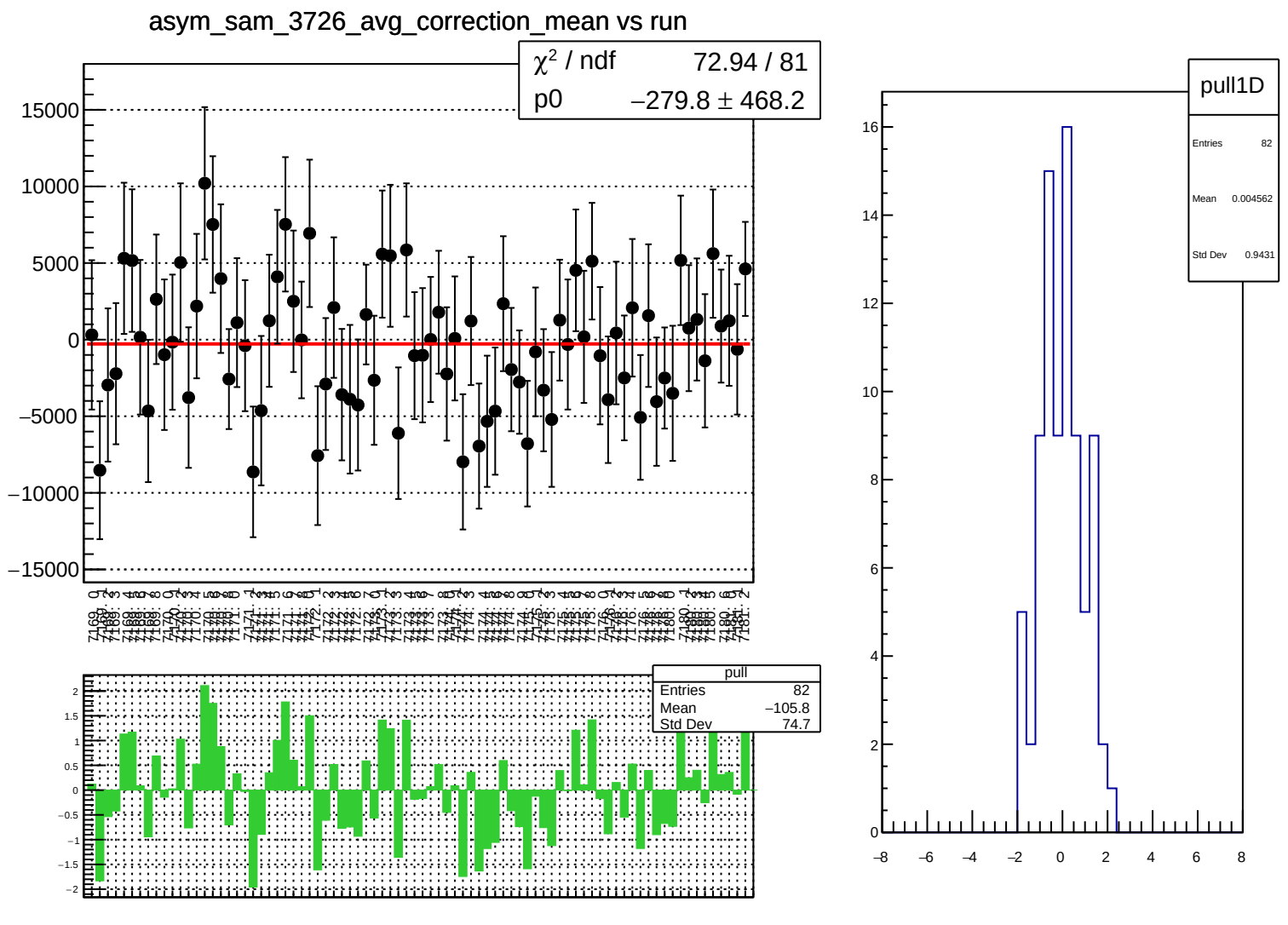

asym_sam_1526_avg_correction_rms vs run
χ2 / ndf 1996 / 81
p0 208.3 ± 0.1664
240
230
220
210
200
190

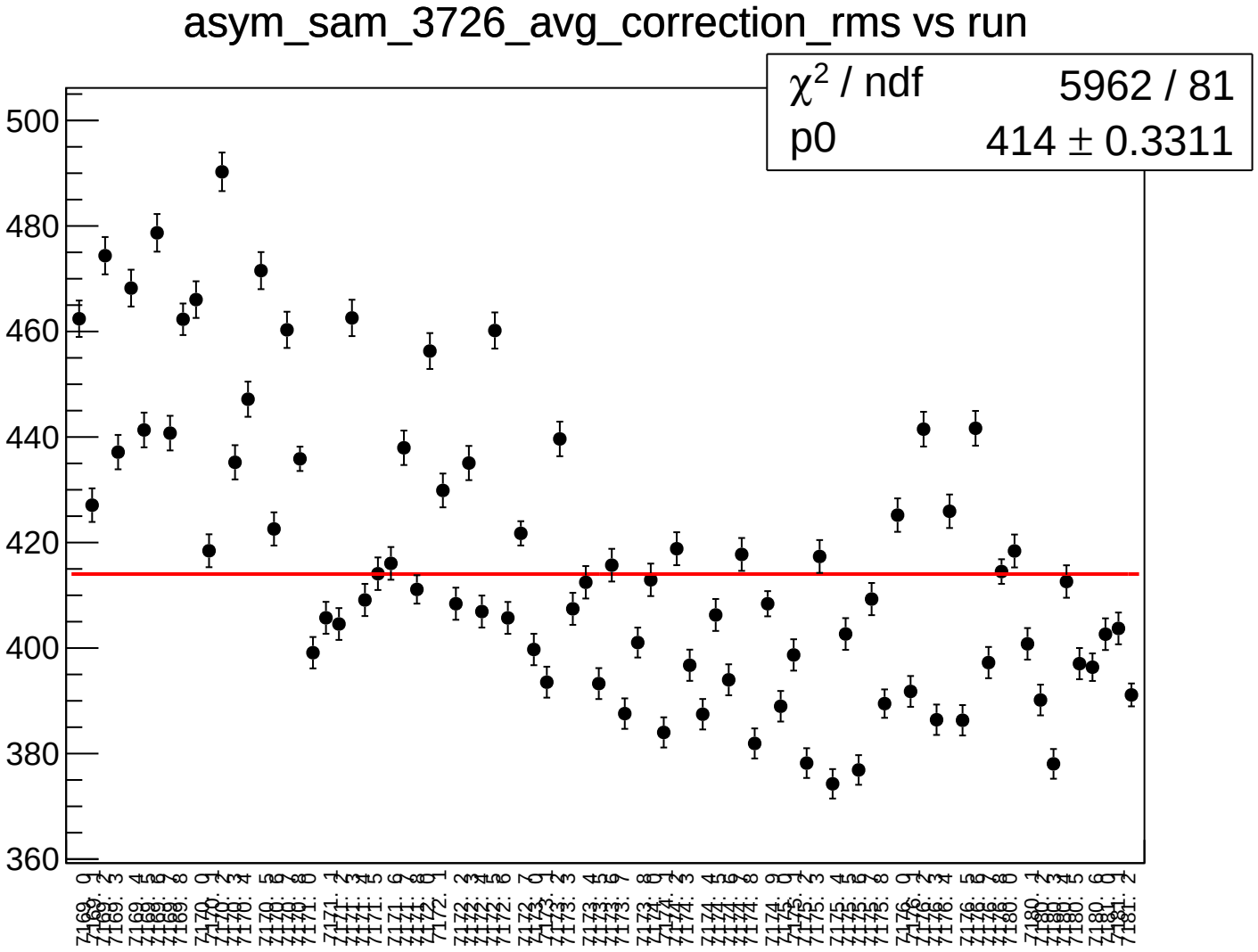

asym_sam_1526_avg_mean vs run
χ² / ndf 92.36 / 81
p0 −5.778 ± 241.7
pull
Entries 82
Mean 1900
Std Dev 1871
pull1D
Entries 82
Mean 0.002517
Std Dev 1.061

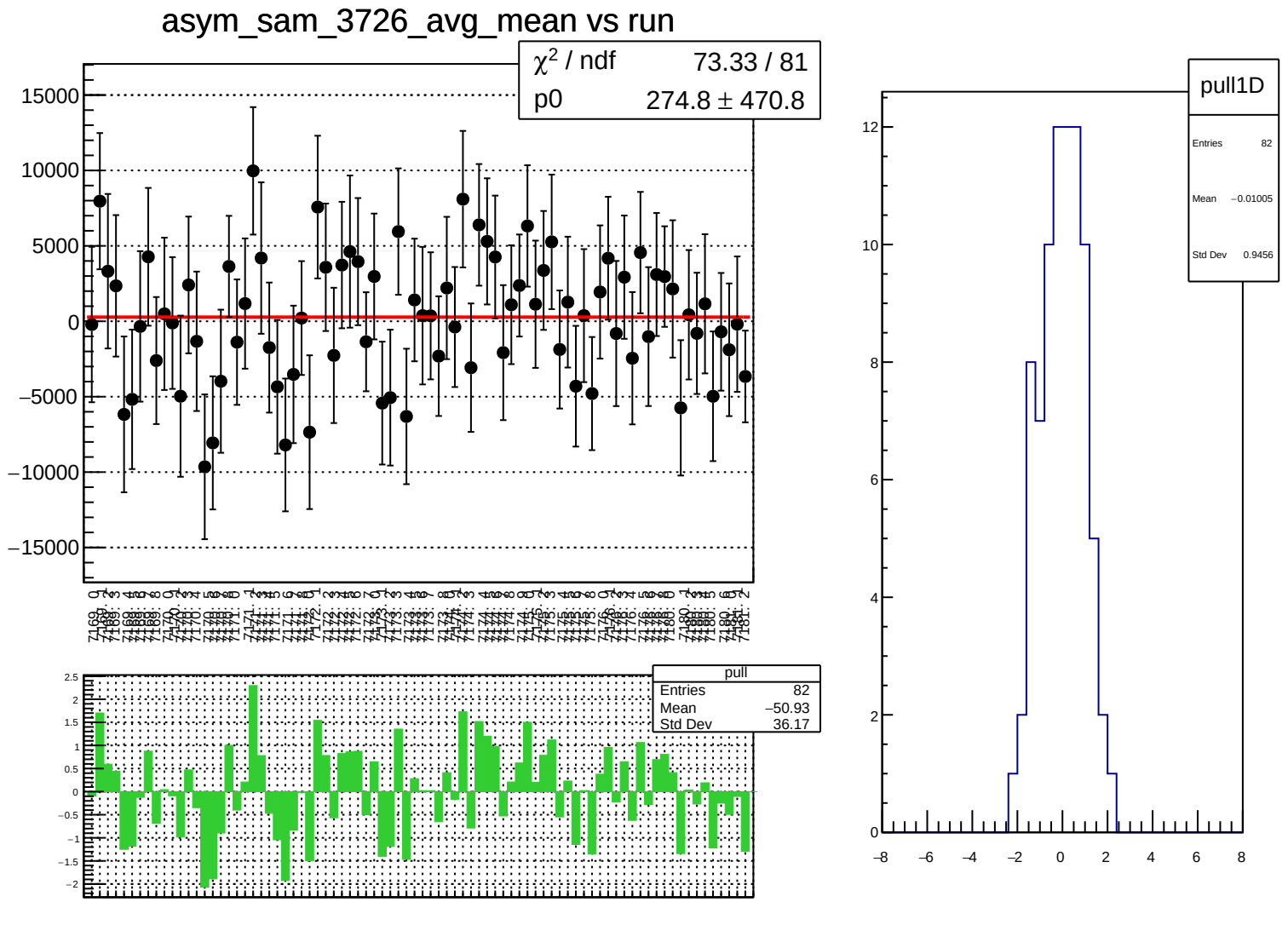

asym_sam_1526_avg_rms vs run
χ2 / ndf 3099 / 81
p0 214 ± 0.1709
250
240
230
220
210
200
190

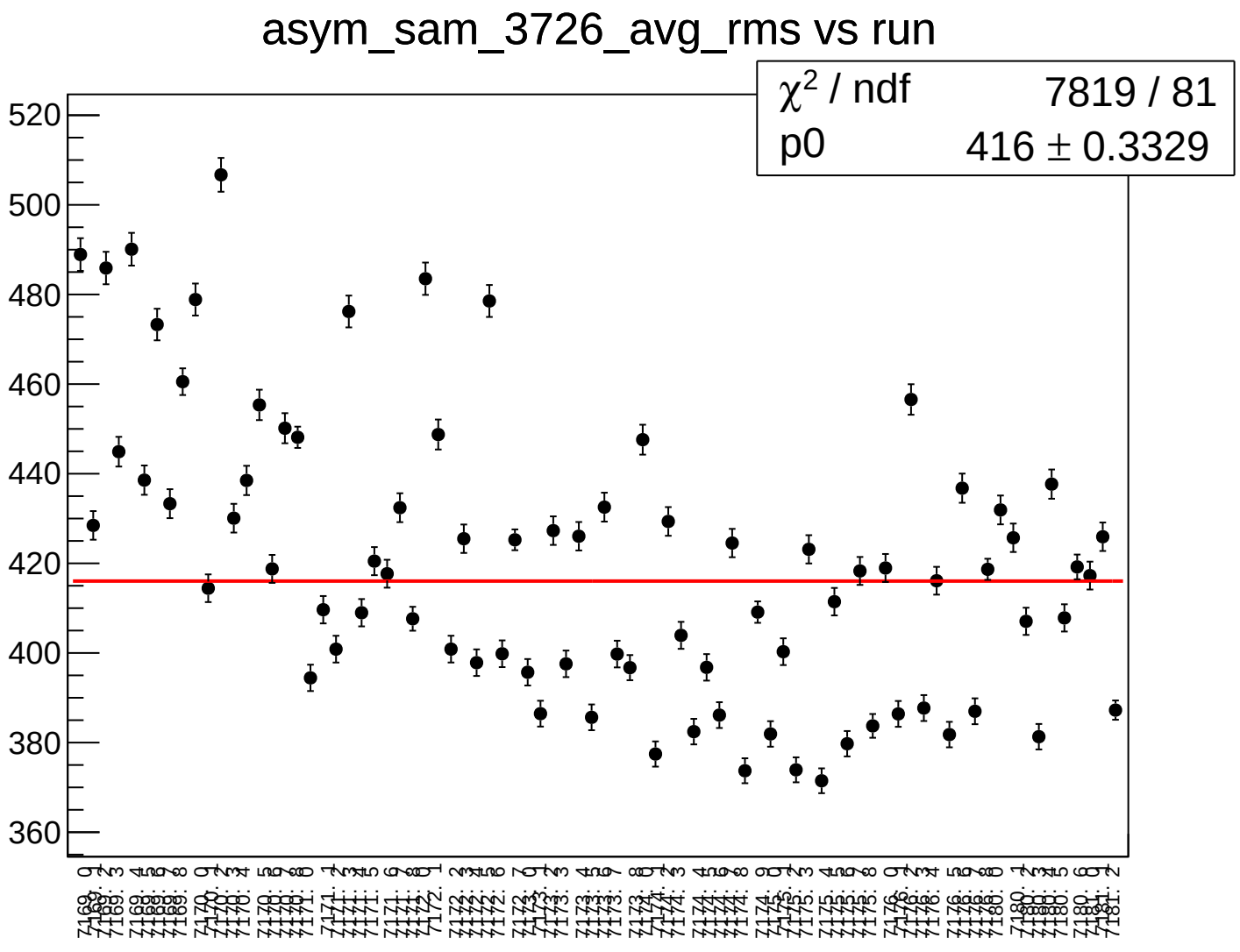

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 74.73 / 81
p0 −20.88 ± 70.19
pull
Entries 82
Mean −10.97
Std Dev 52.7
pull1D
Entries 82
Mean −0.02374
Std Dev 0.9544

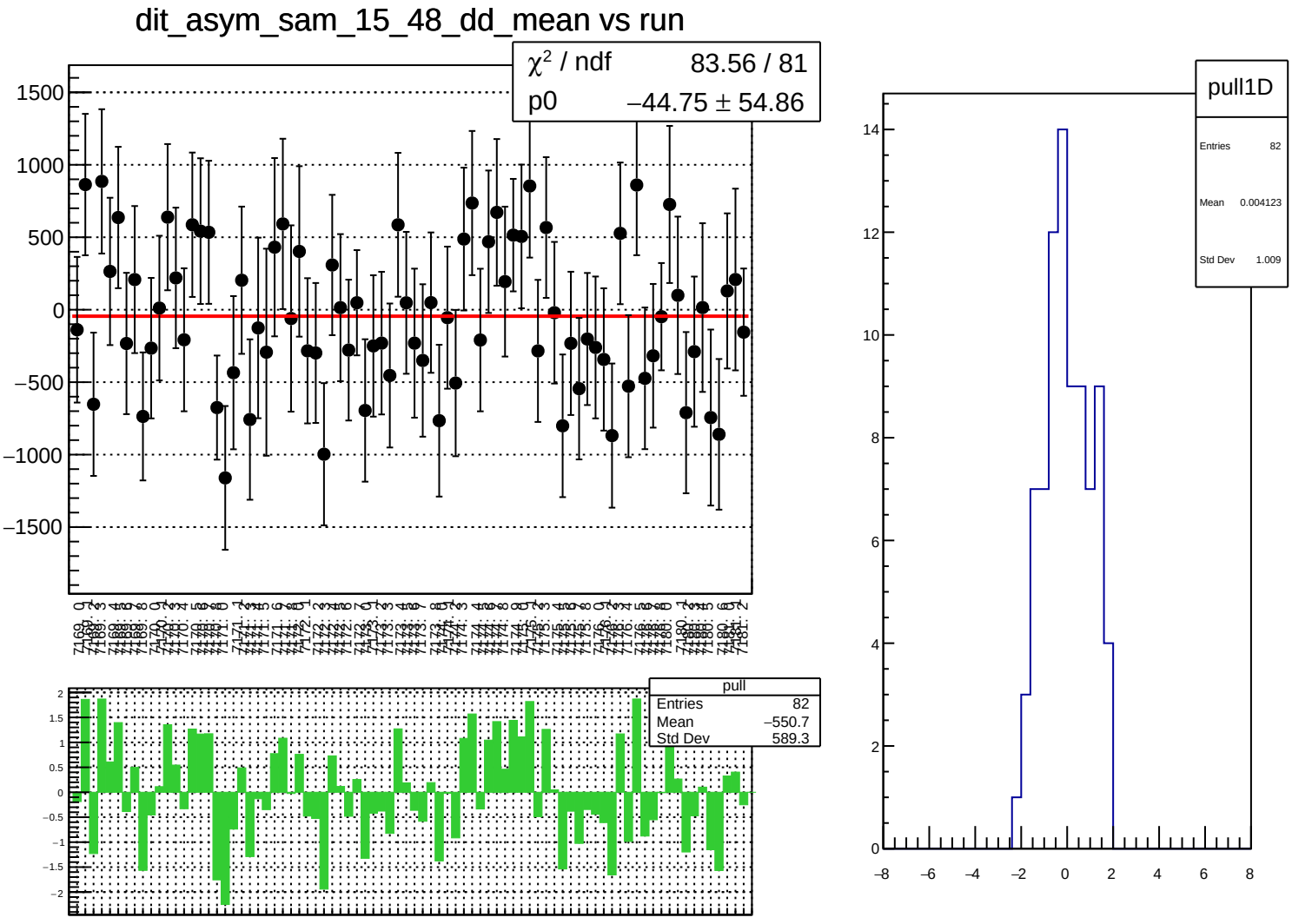

dit_asym_sam_3726_avg_rms vs run
χ2 / ndf 5637 / 81
p0 62.07 ± 0.04963
74
72
70
68
66
64
62
60
58
56


asym_sam_3726_avg_correction_mean vs run
χ² / ndf 72.94 / 81
p0 −279.8 ± 468.2
pull
Entries 82
Mean −105.8
Std Dev 74.7
pull1D
Entries 82
Mean 0.004562
Std Dev 0.9431

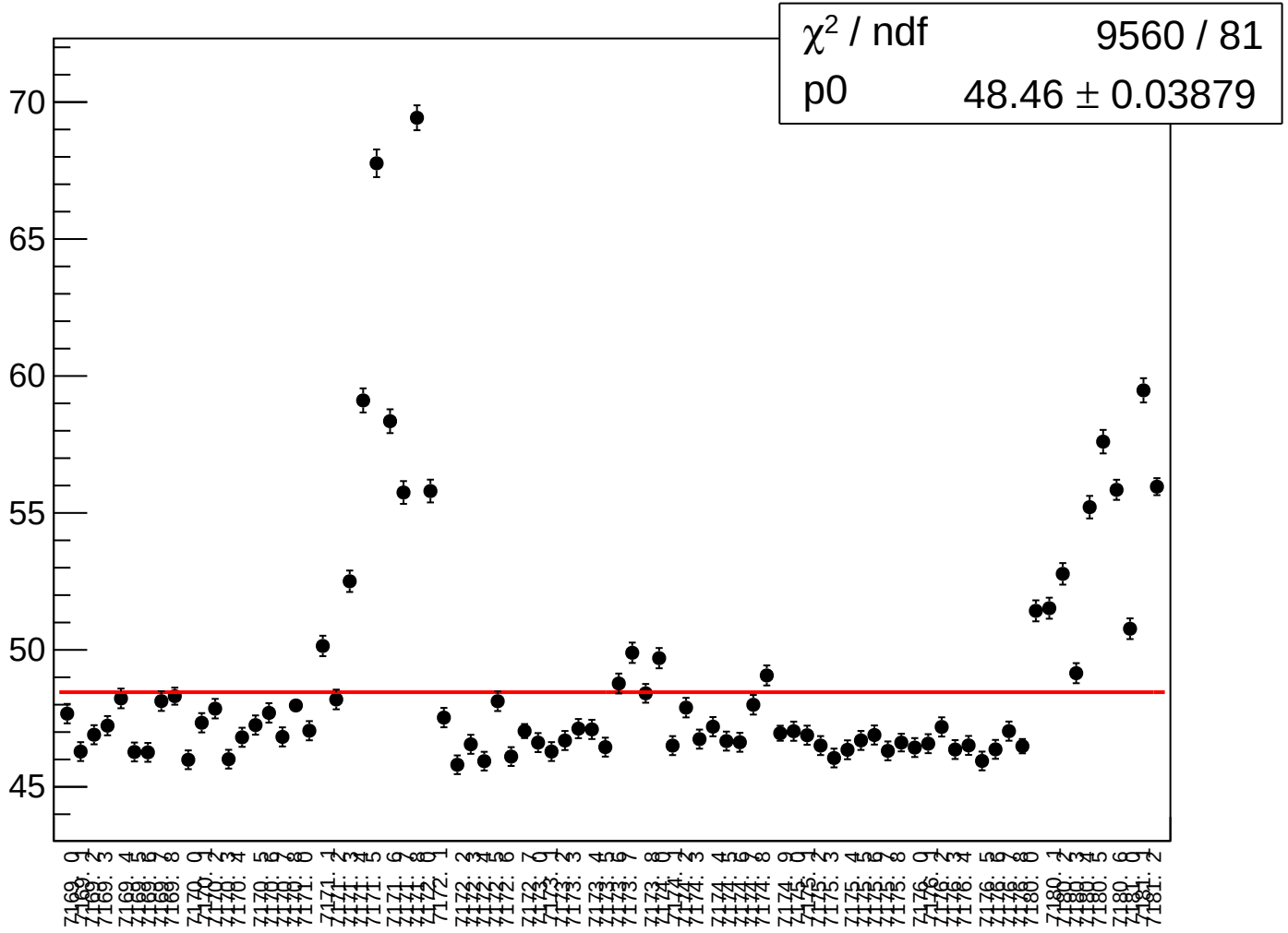

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 5962 / 81
p0 414 ± 0.3311
500
480
460
440
420
400
380
360

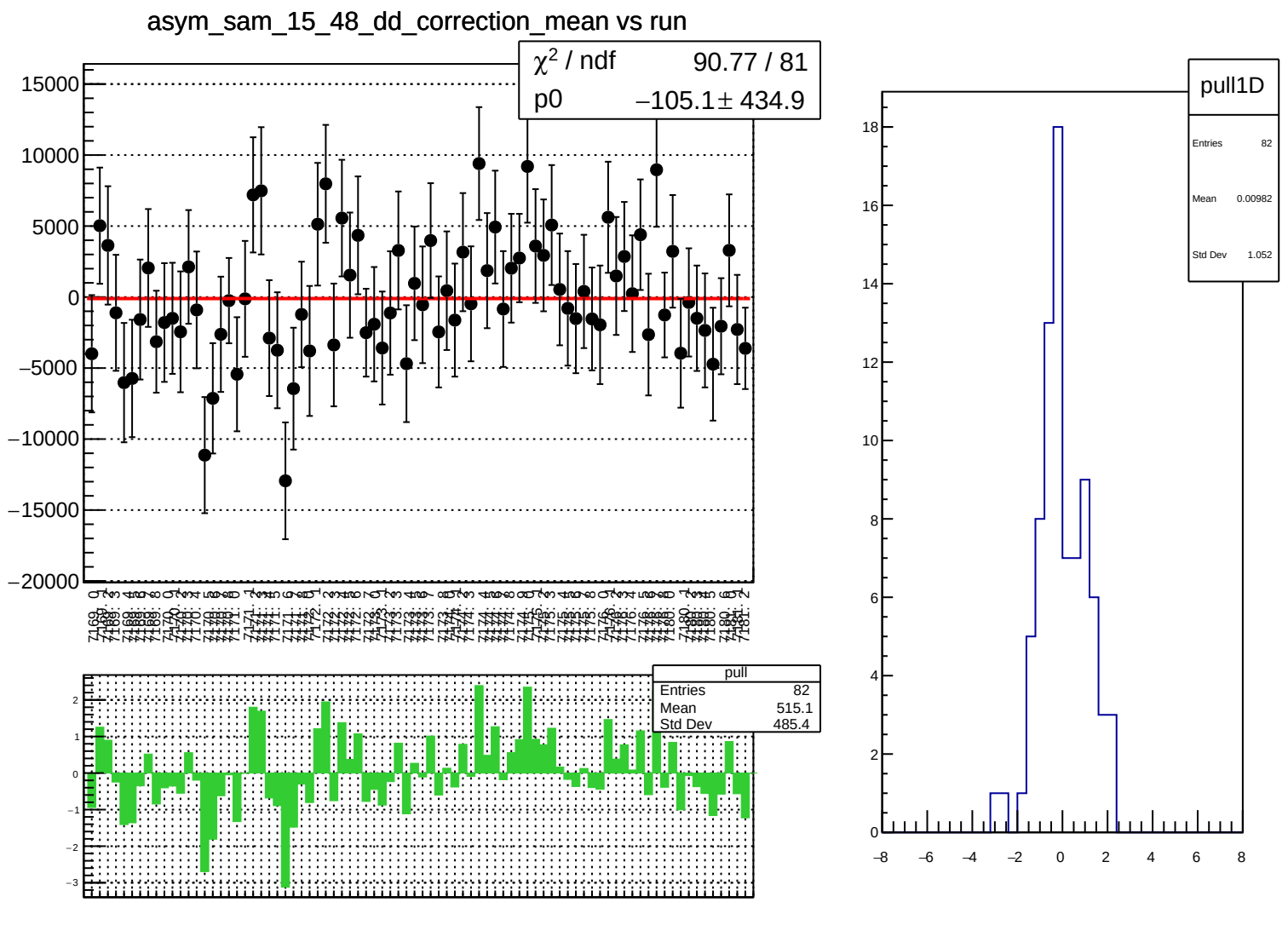

asym_sam_3726_avg_mean vs run
χ² / ndf 73.33 / 81
p0 274.8 ± 470.8
pull
Entries 82
Mean −50.93
Std Dev 36.17
pull1D
Entries 82
Mean −0.01005
Std Dev 0.9456

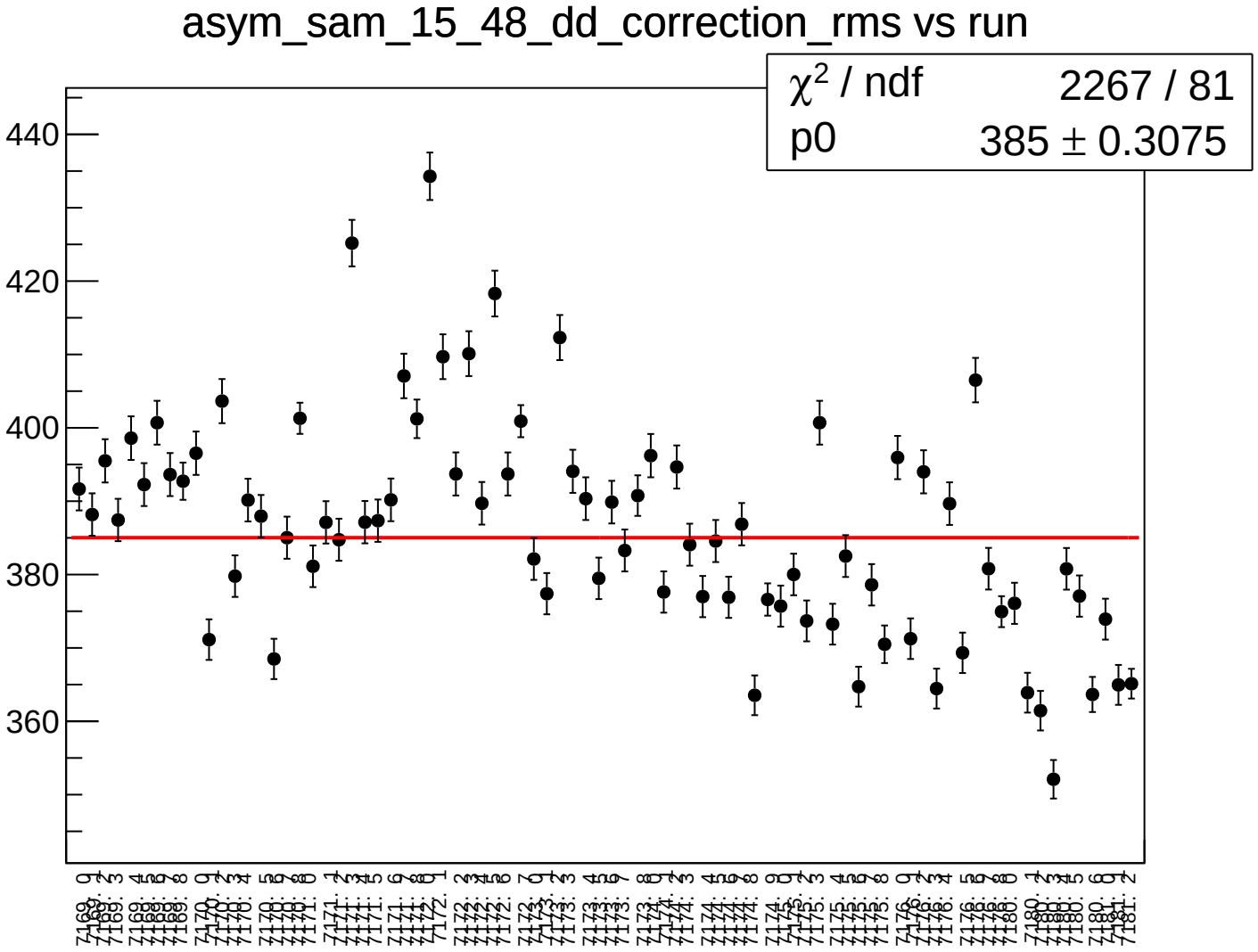

asym_sam_3726_avg_rms vs run
χ^2 / ndf 7819 / 81
p0 416 ± 0.3329
520
500
480
460
440
420
400
380
360

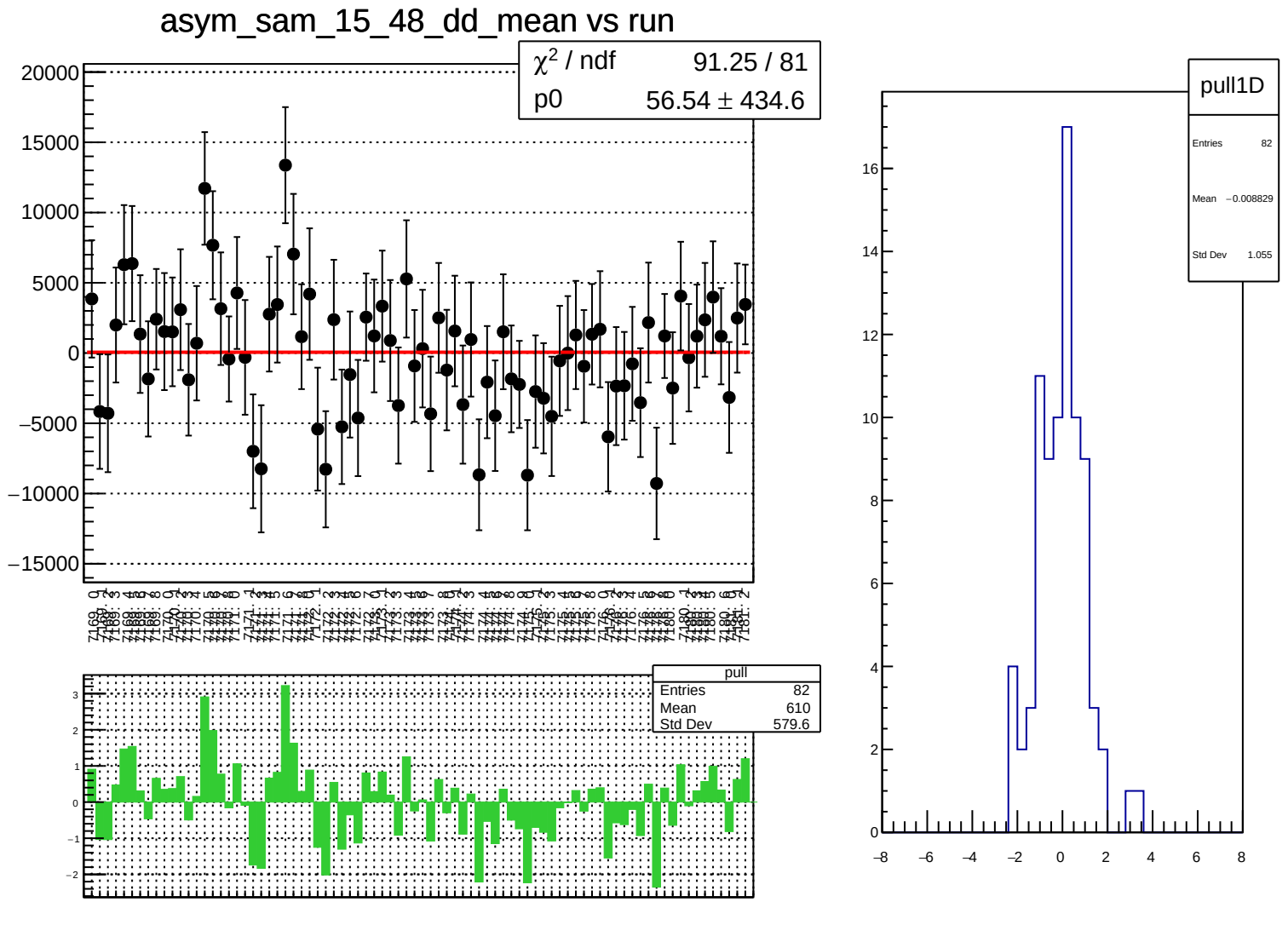

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 83.56 / 81
p0 −44.75 ± 54.86
pull
Entries 82
Mean −550.7
Std Dev 589.3
pull1D
Entries 82
Mean 0.004123
Std Dev 1.009

dit_asym_sam_15_48_dd_rms vs run

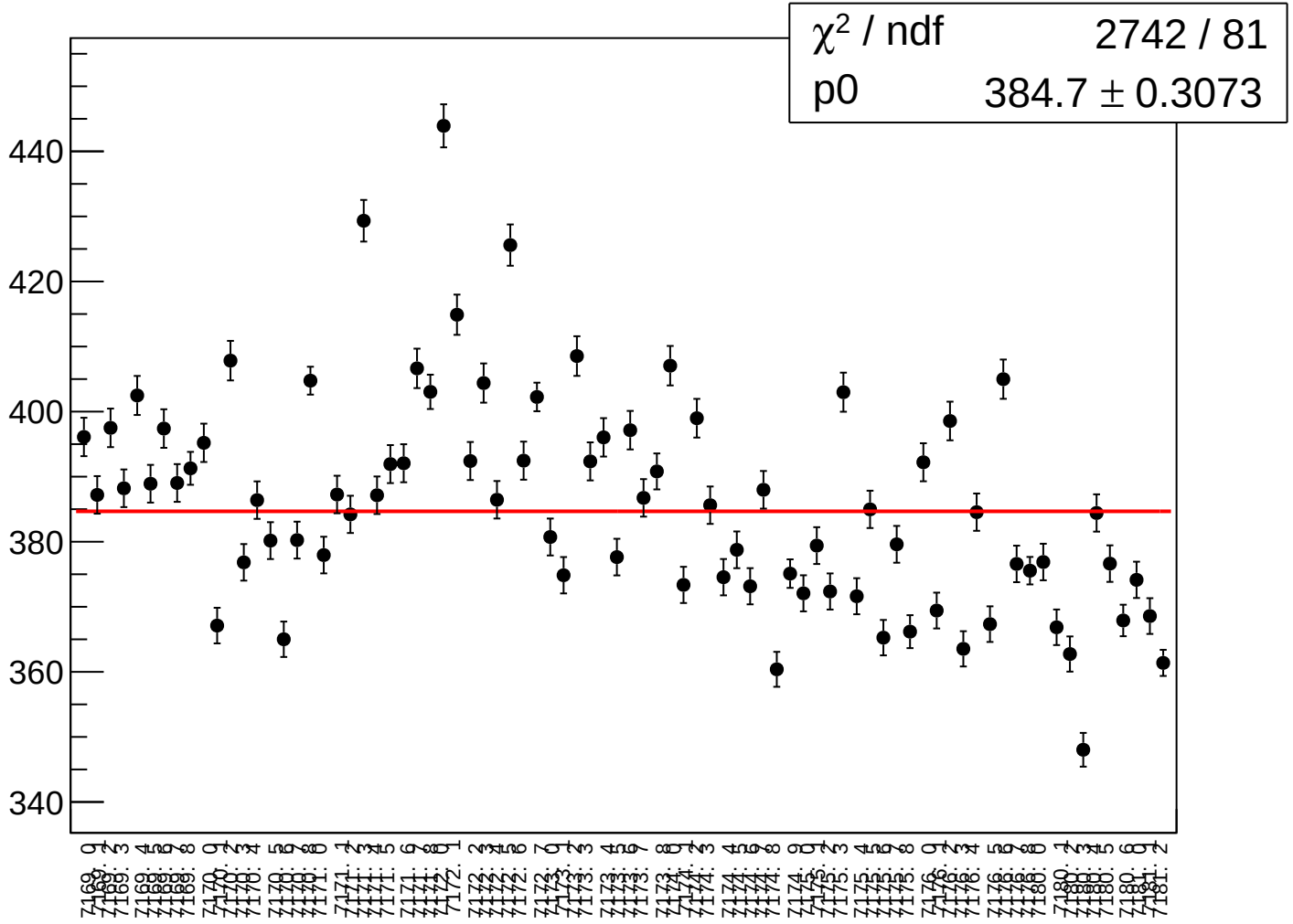


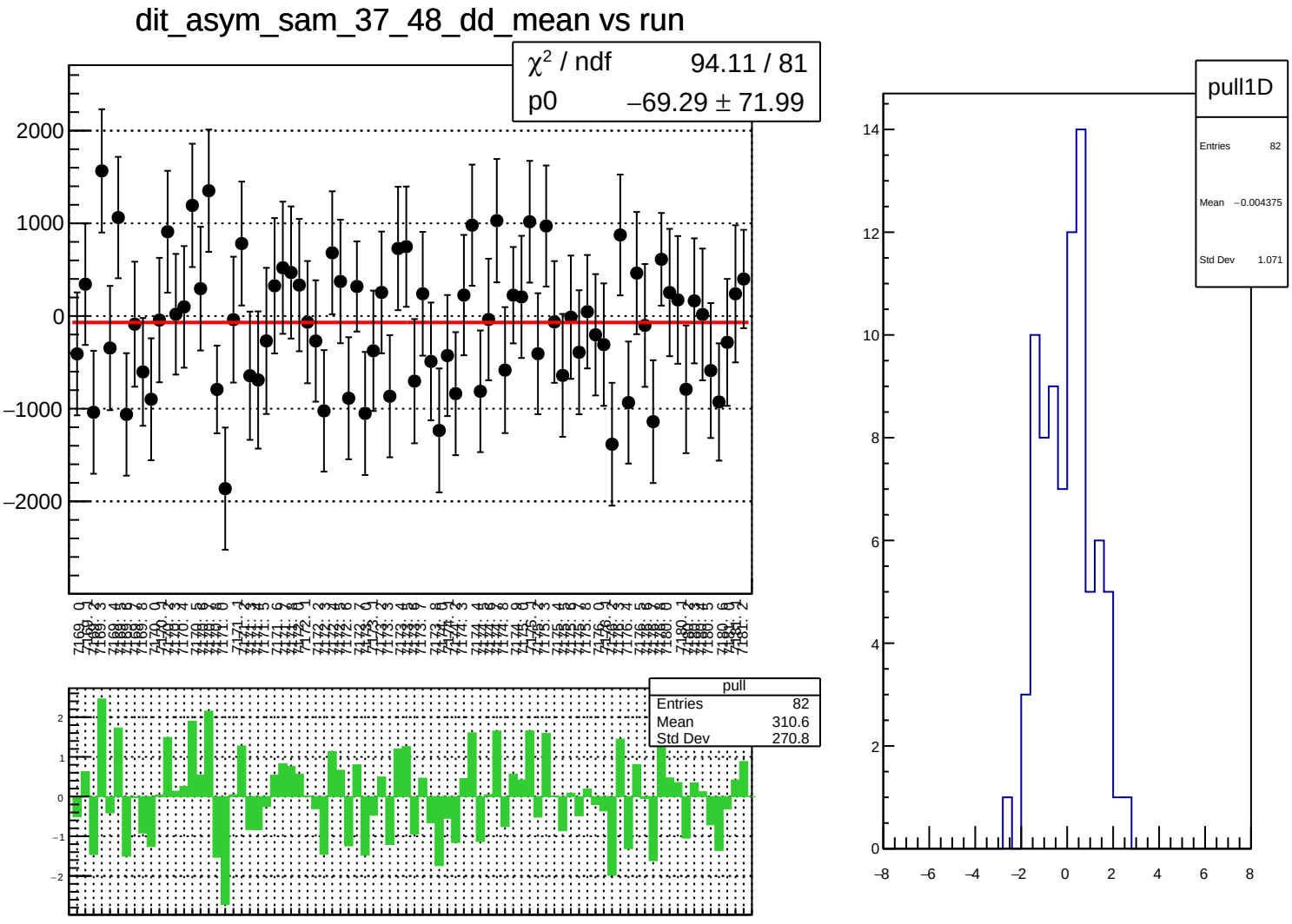

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 90.77 / 81
p0 −105.1 ± 434.9
pull
Entries 82
Mean 515.1
Std Dev 485.4
pull1D
Entries 82
Mean 0.00982
Std Dev 1.052

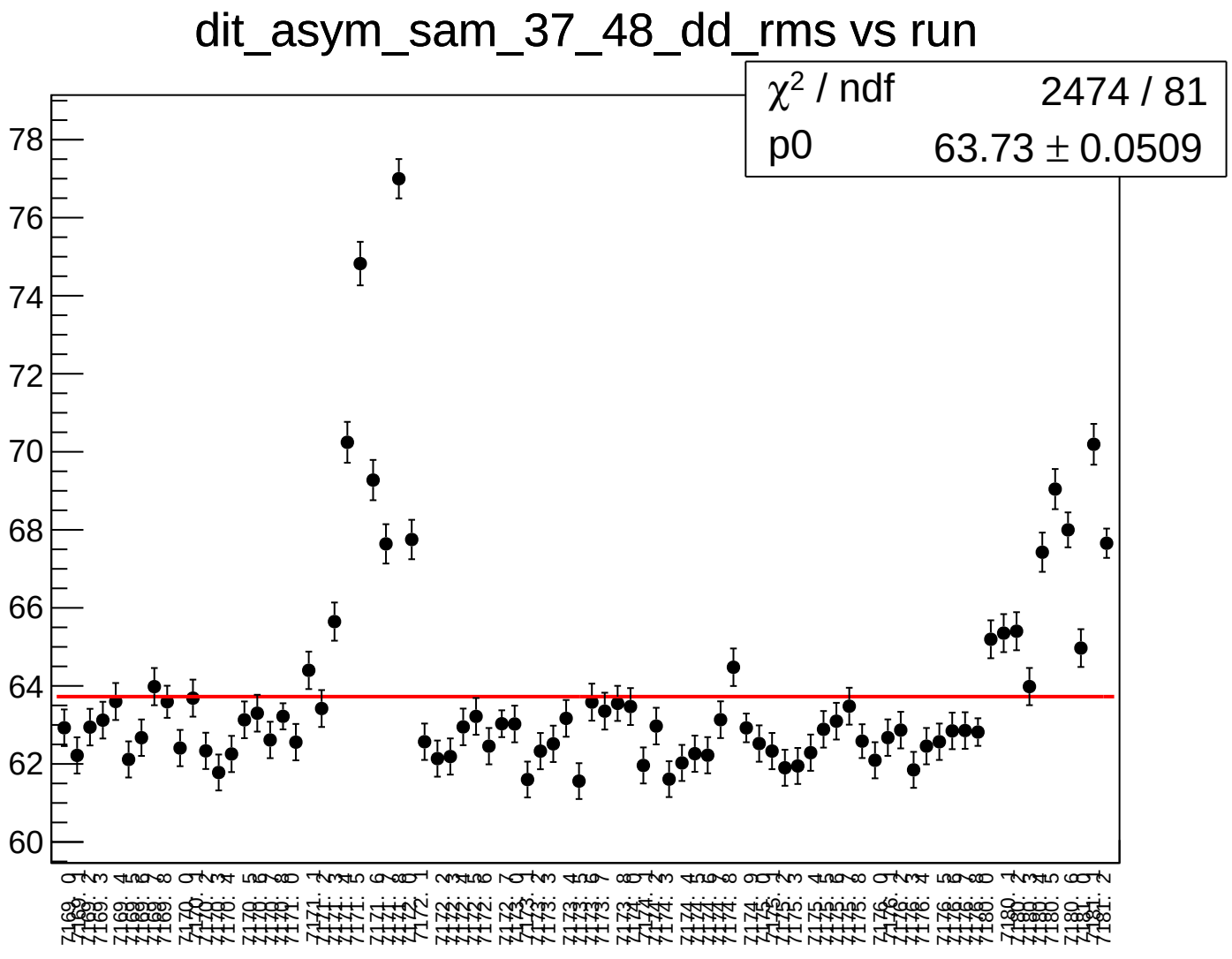

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2267 / 81
p0 385 ± 0.3075
440
420
400
380
360

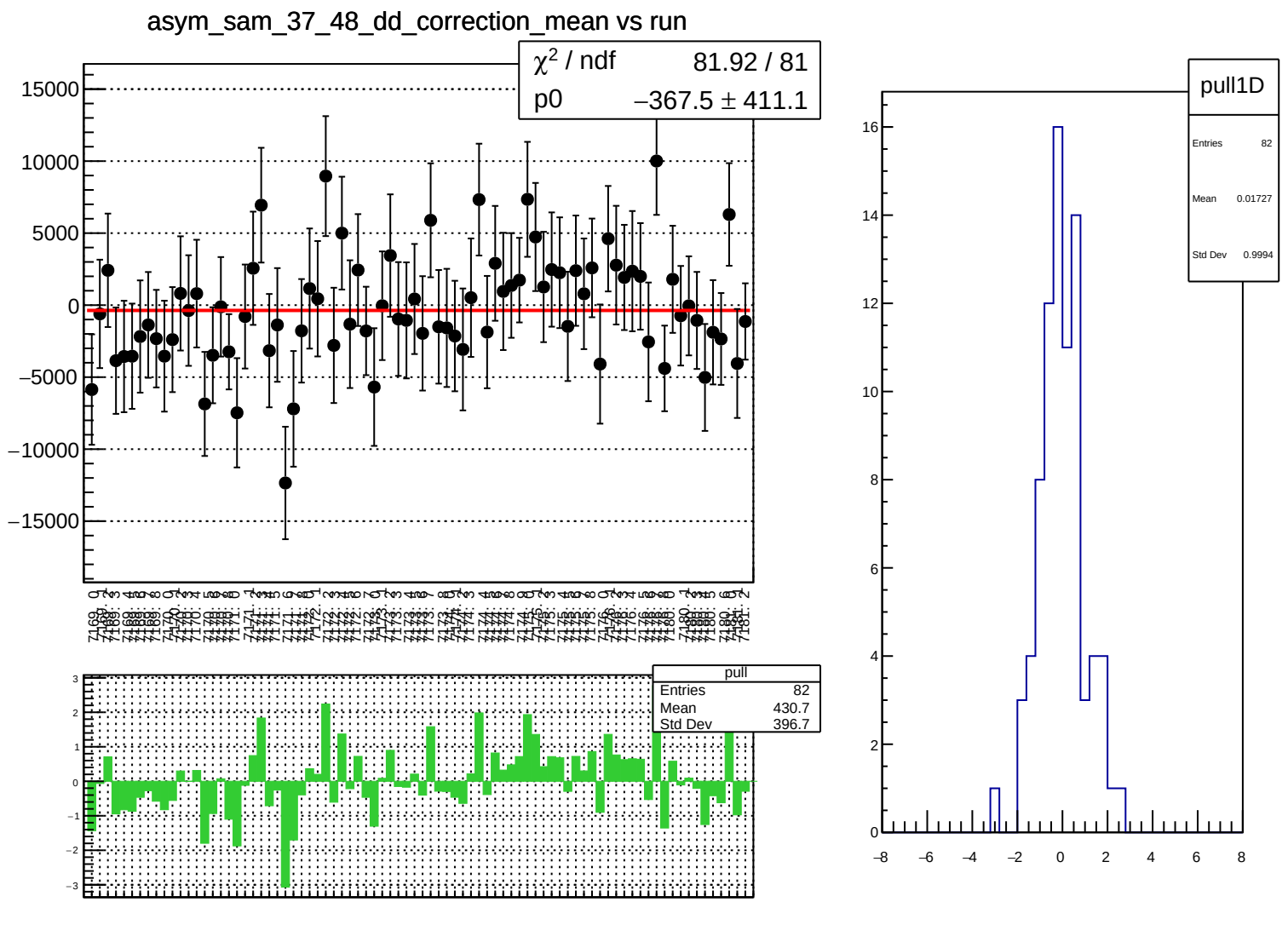

asym_sam_15_48_dd_mean vs run
χ² / ndf 91.25 / 81
p0 56.54 ± 434.6
pull
Entries 82
Mean 610
Std Dev 579.6
pull1D
Entries 82
Mean −0.008829
Std Dev 1.055

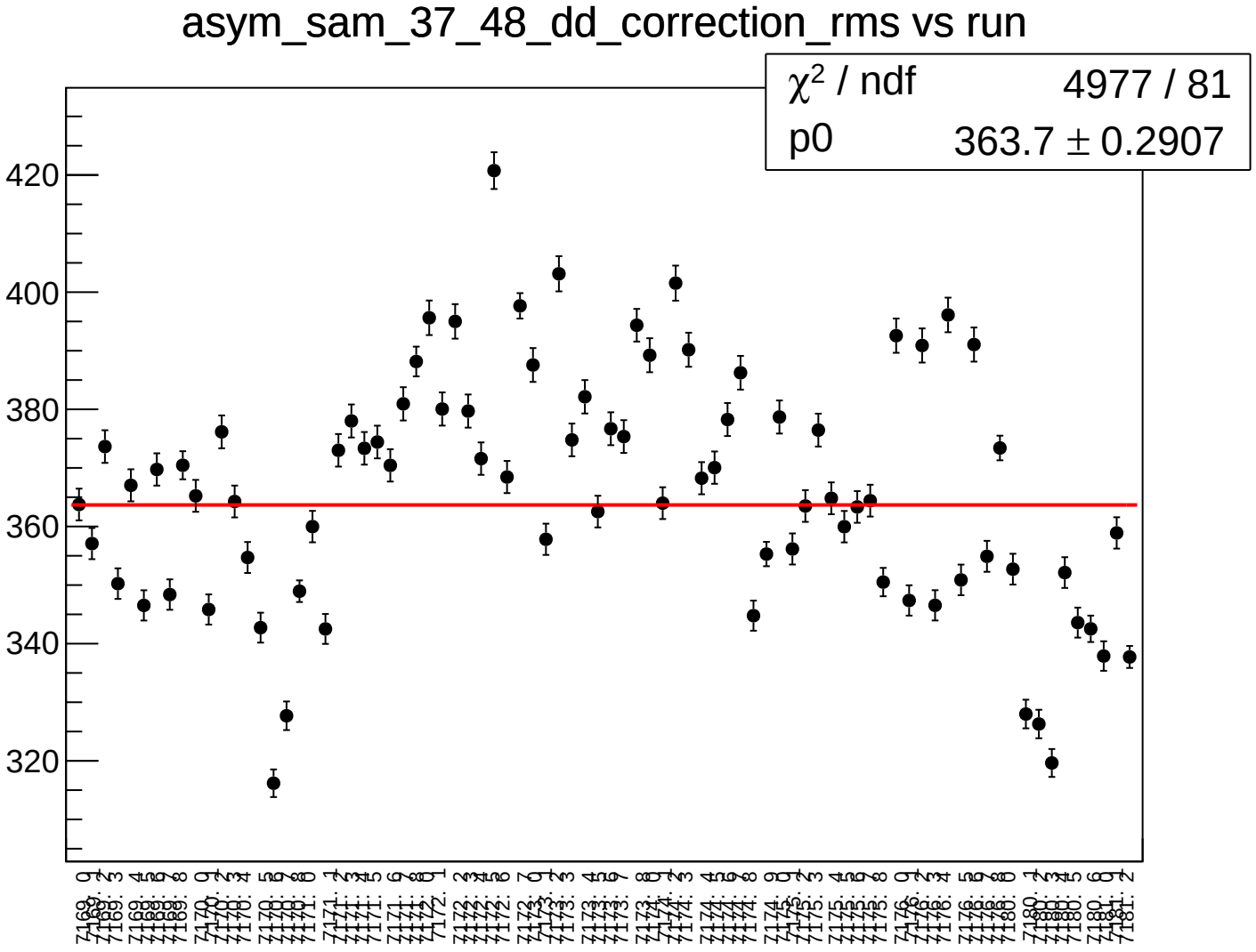
asym_sam_15_48_dd_rms vs run

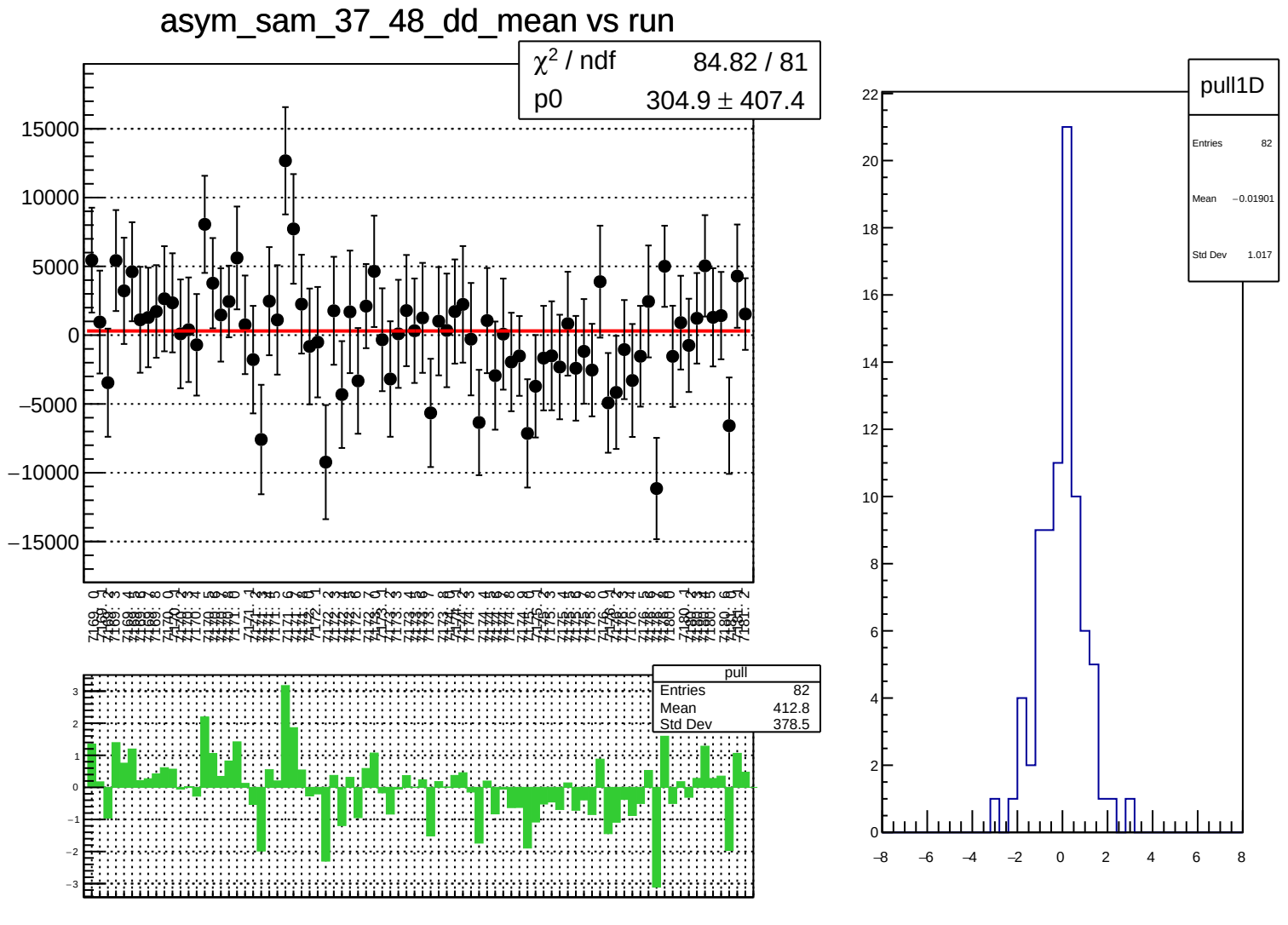


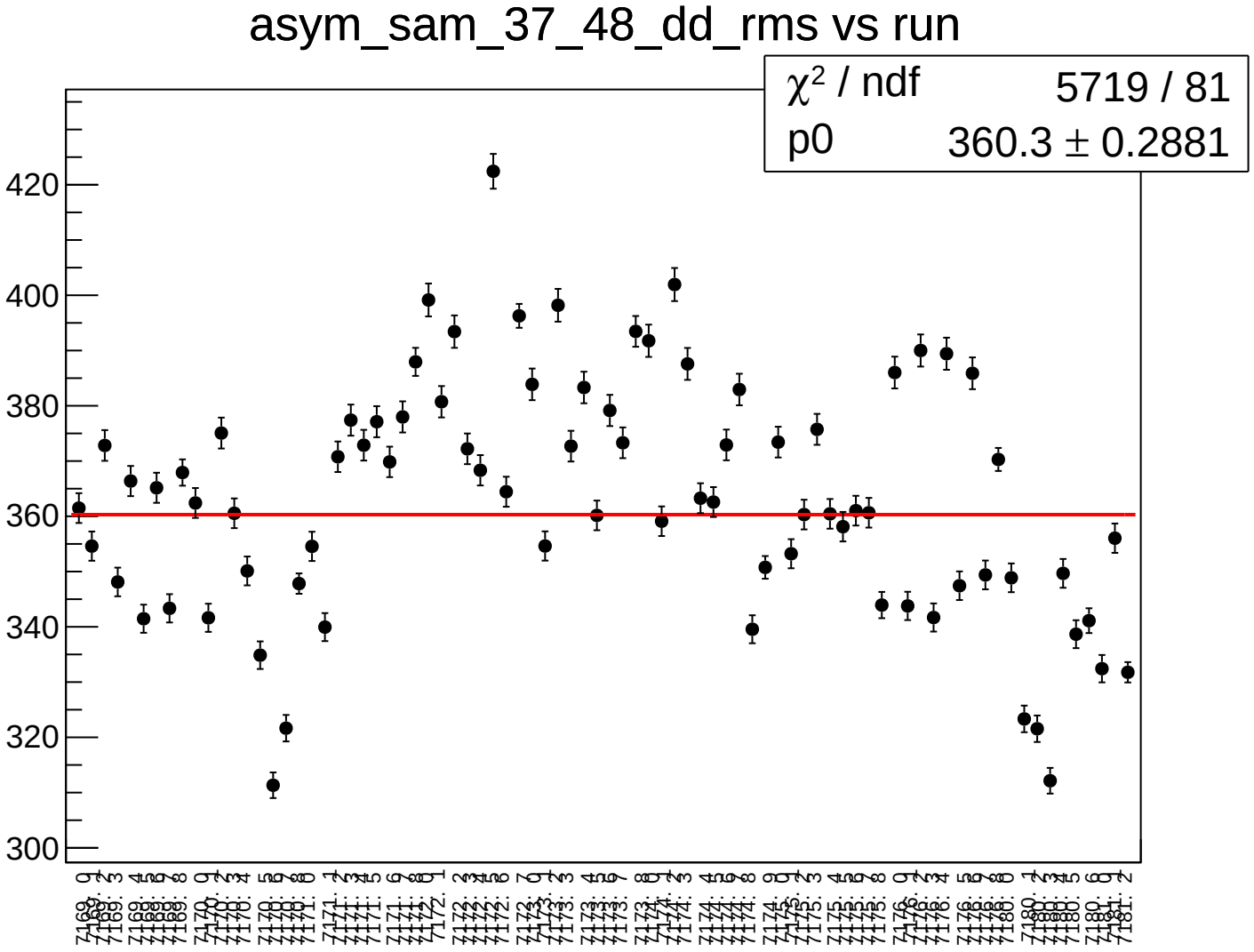

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 94.11 / 81
p0 −69.29 ± 71.99
2000
1000
0
−1000
−2000
pull
Entries 82
Mean 310.6
Std Dev 270.8
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.004375
Std Dev 1.071
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

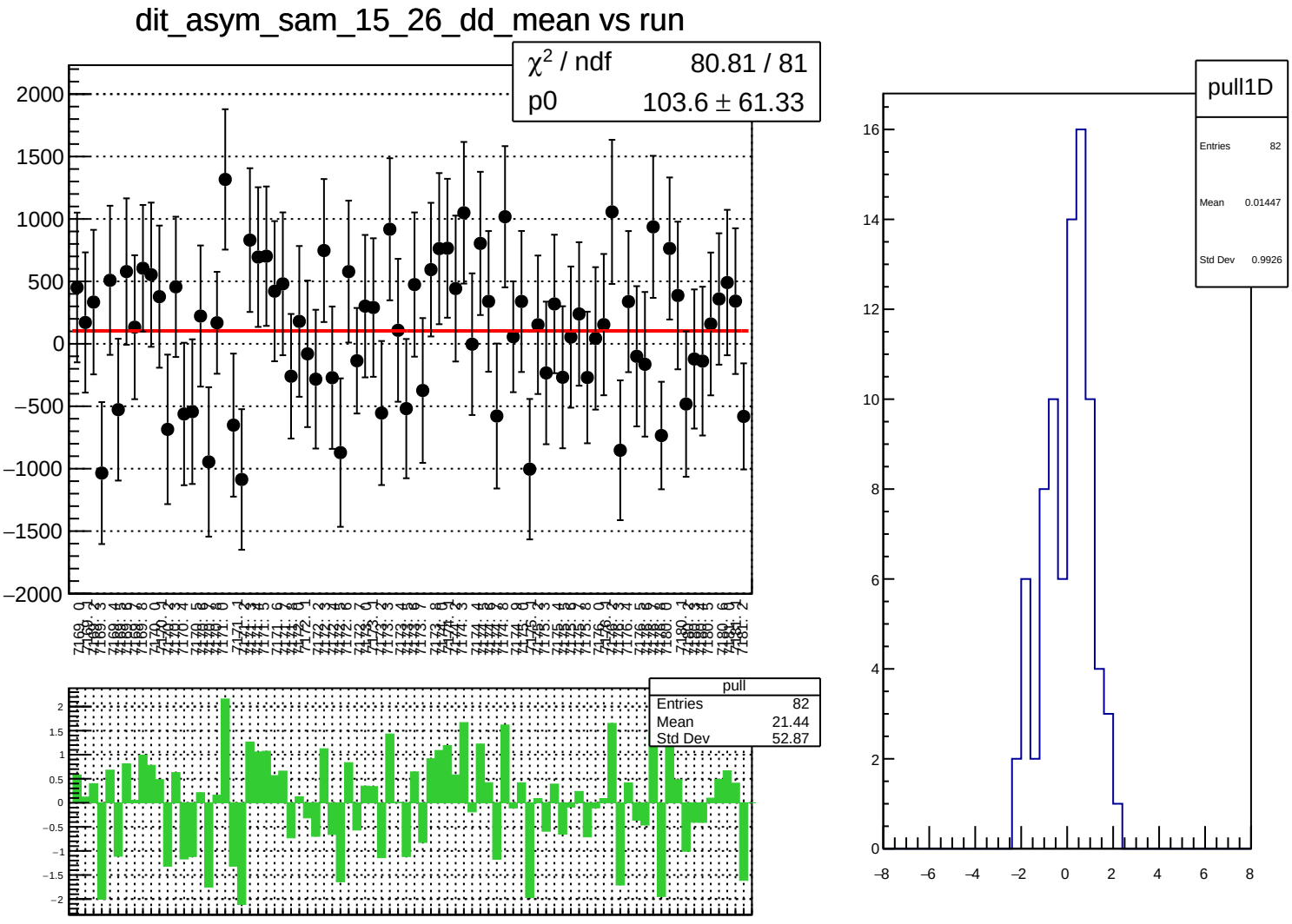

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2474 / 81
p0 63.73 ± 0.0509
78
76
74
72
70
68
66
64
62
60


asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 81.92 / 81
p0 −367.5 ± 411.1
pull
Entries 82
Mean 430.7
Std Dev 396.7
pull1D
Entries 82
Mean 0.01727
Std Dev 0.9994

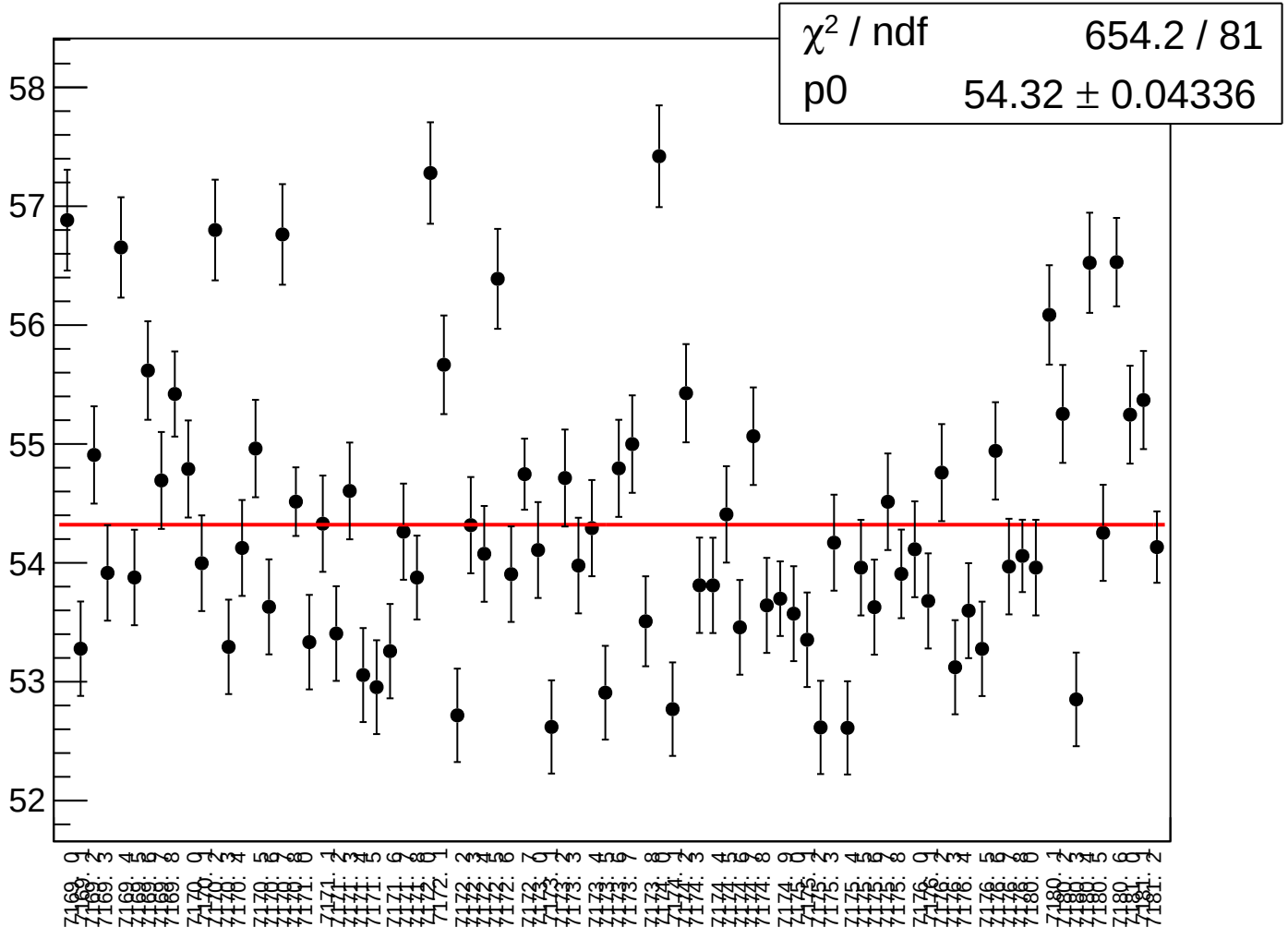

asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 4977 / 81
p0 363.7 ± 0.2907
420
400
380
360
340
320

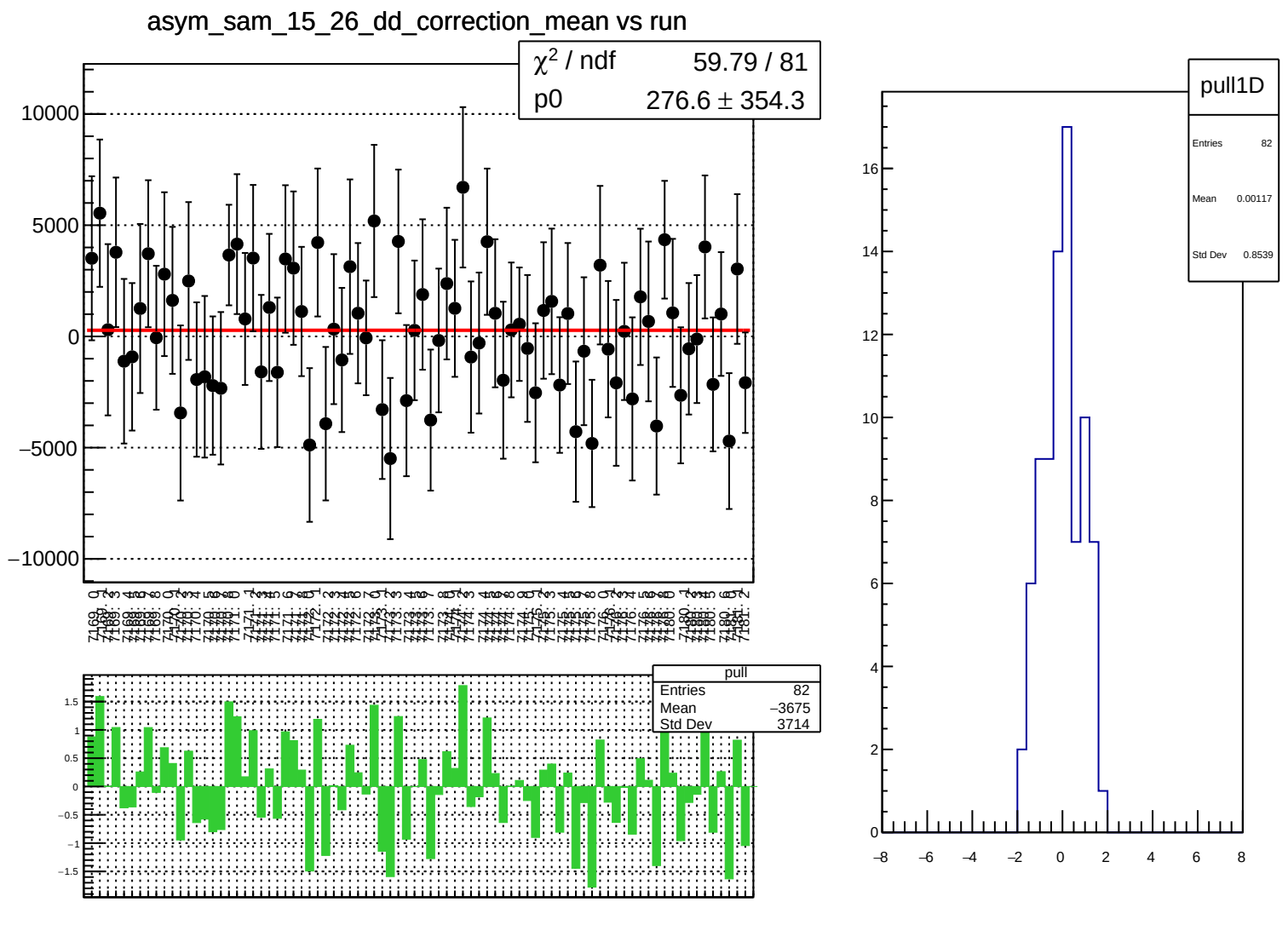

asym_sam_37_48_dd_mean vs run
χ² / ndf 84.82 / 81
p0 304.9 ± 407.4
pull
Entries 82
Mean 412.8
Std Dev 378.5
pull1D
Entries 82
Mean −0.01901
Std Dev 1.017


asym_sam_37_48_dd_rms vs run
χ² / ndf 5719 / 81
p0 360.3 ± 0.2881
420
400
380
360
340
320
300

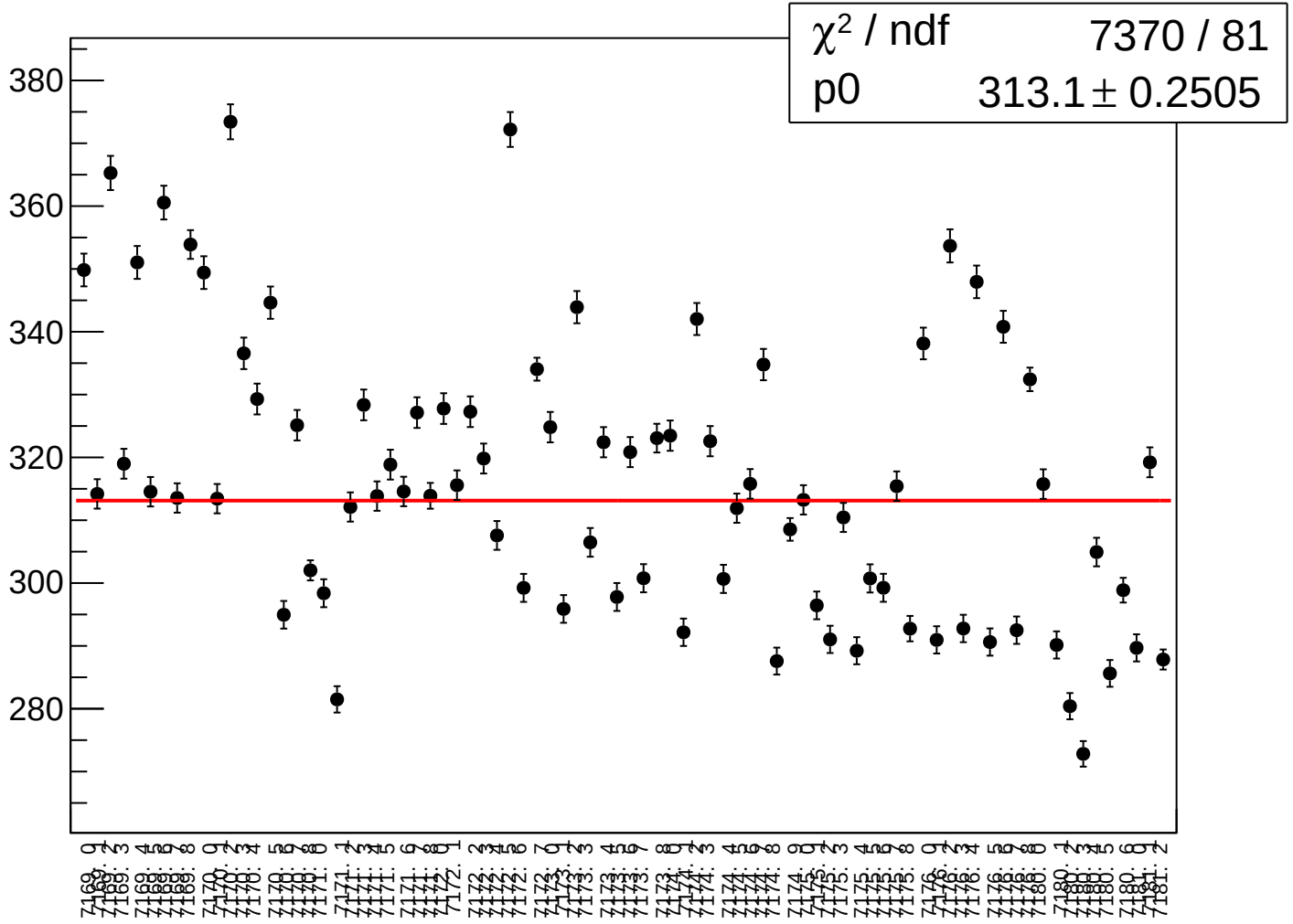

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 80.81 / 81
p0 103.6 ± 61.33
pull
Entries 82
Mean 21.44
Std Dev 52.87
pull1D
Entries 82
Mean 0.01447
Std Dev 0.9926

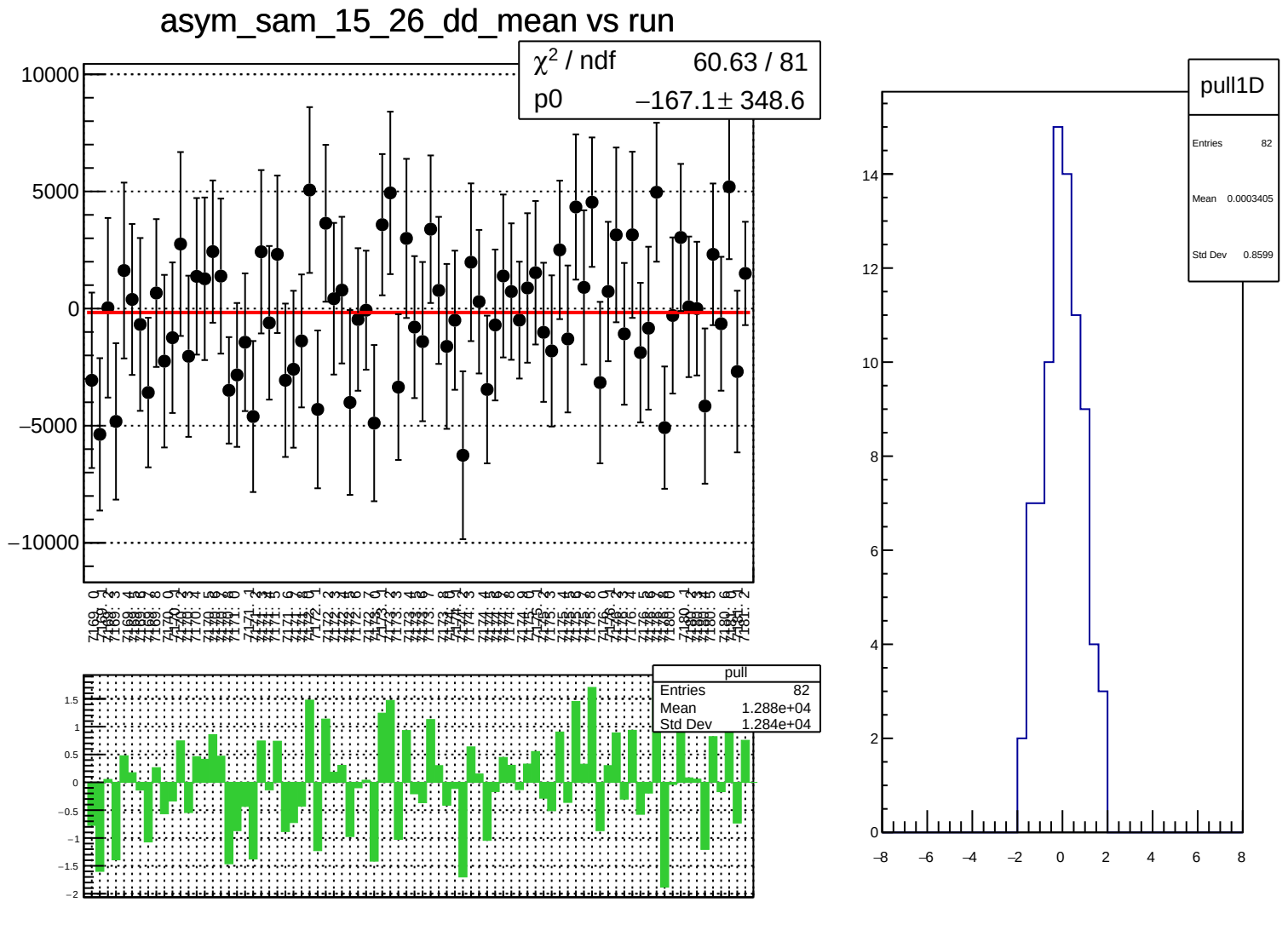
dit_asym_sam_15_26_dd_rms vs run

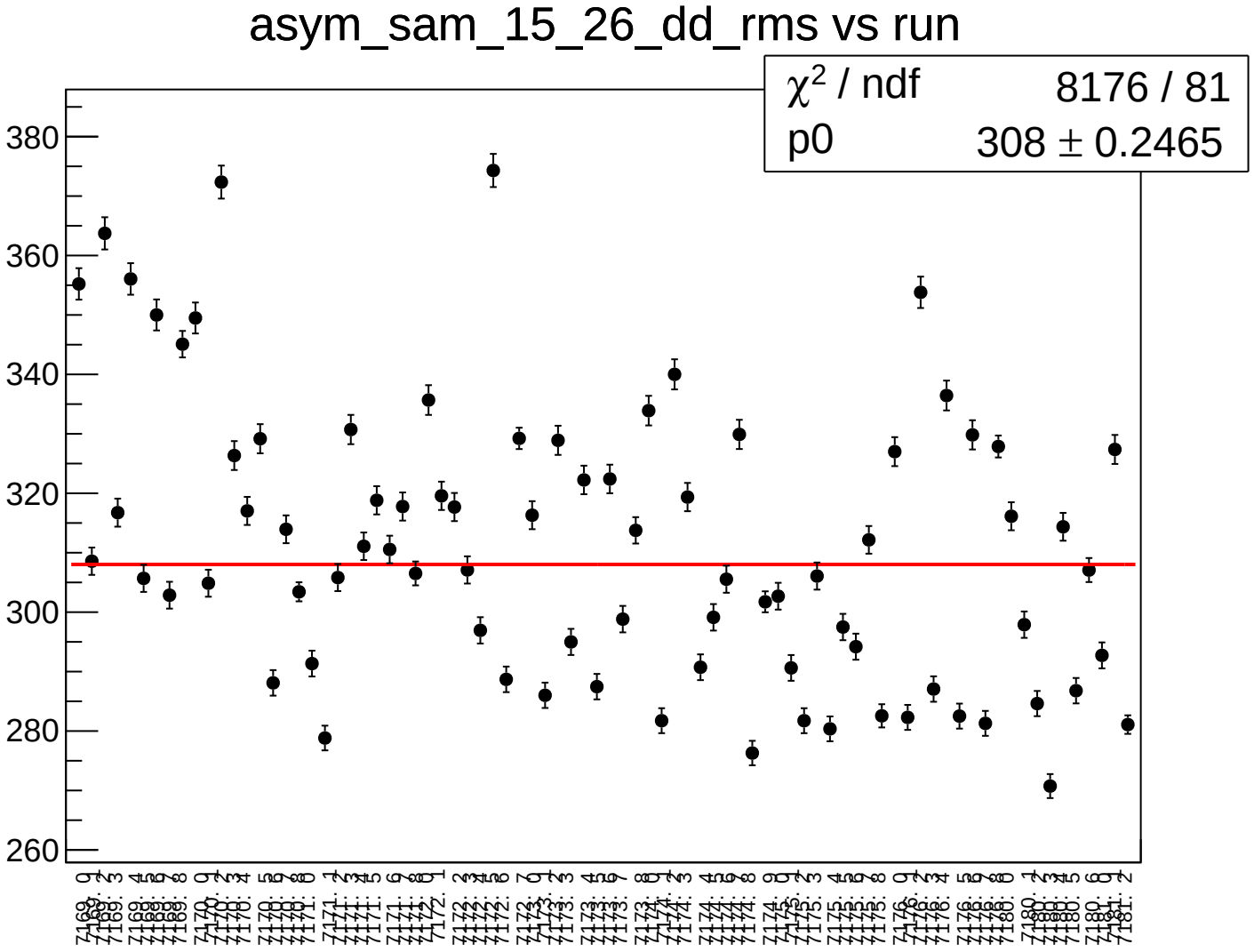


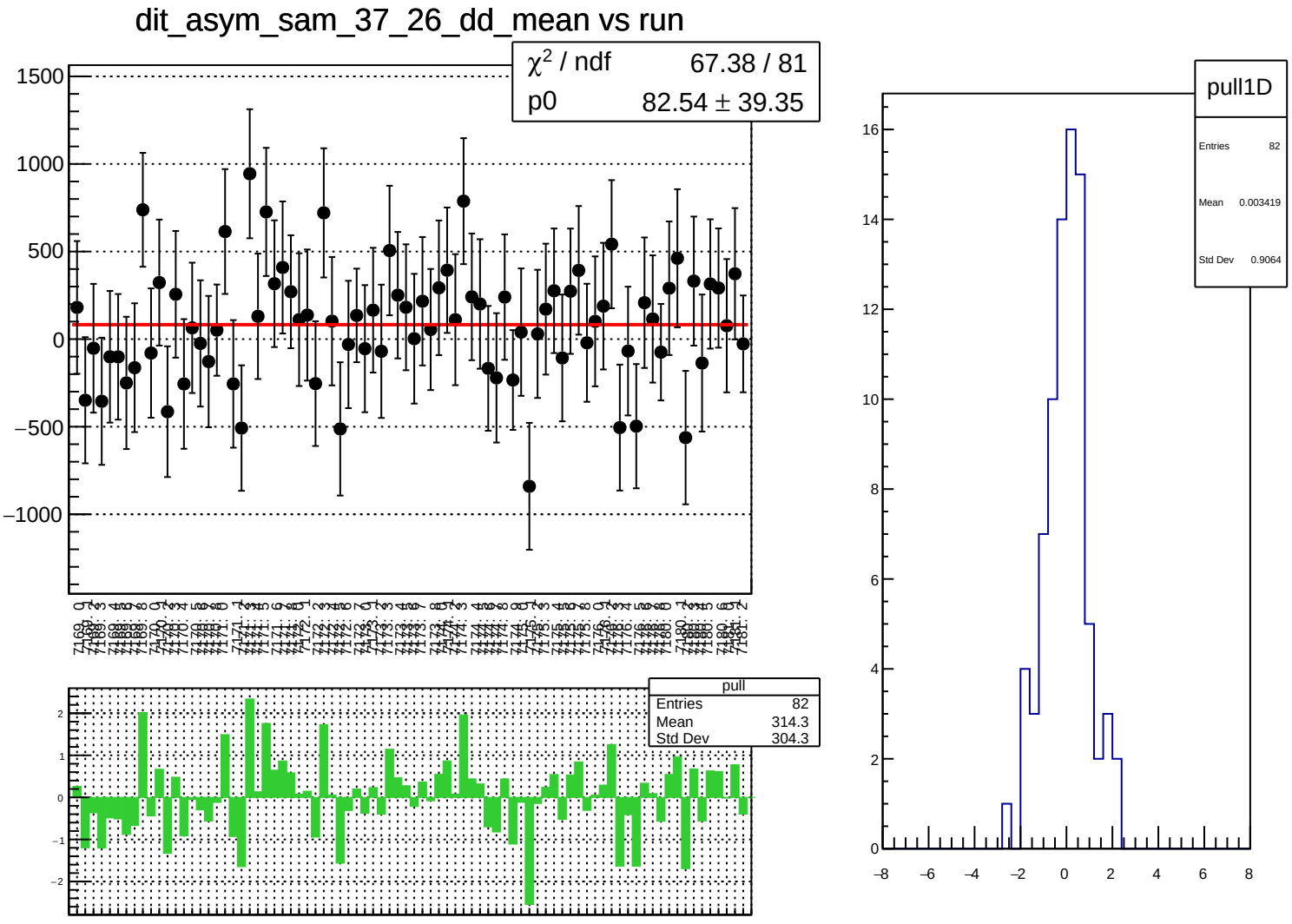

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 59.79 / 81
p0 276.6 ± 354.3
pull
Entries 82
Mean −3675
Std Dev 3714
pull1D
Entries 82
Mean 0.00117
Std Dev 0.8539

asym_sam_15_26_dd_correction_rms vs run

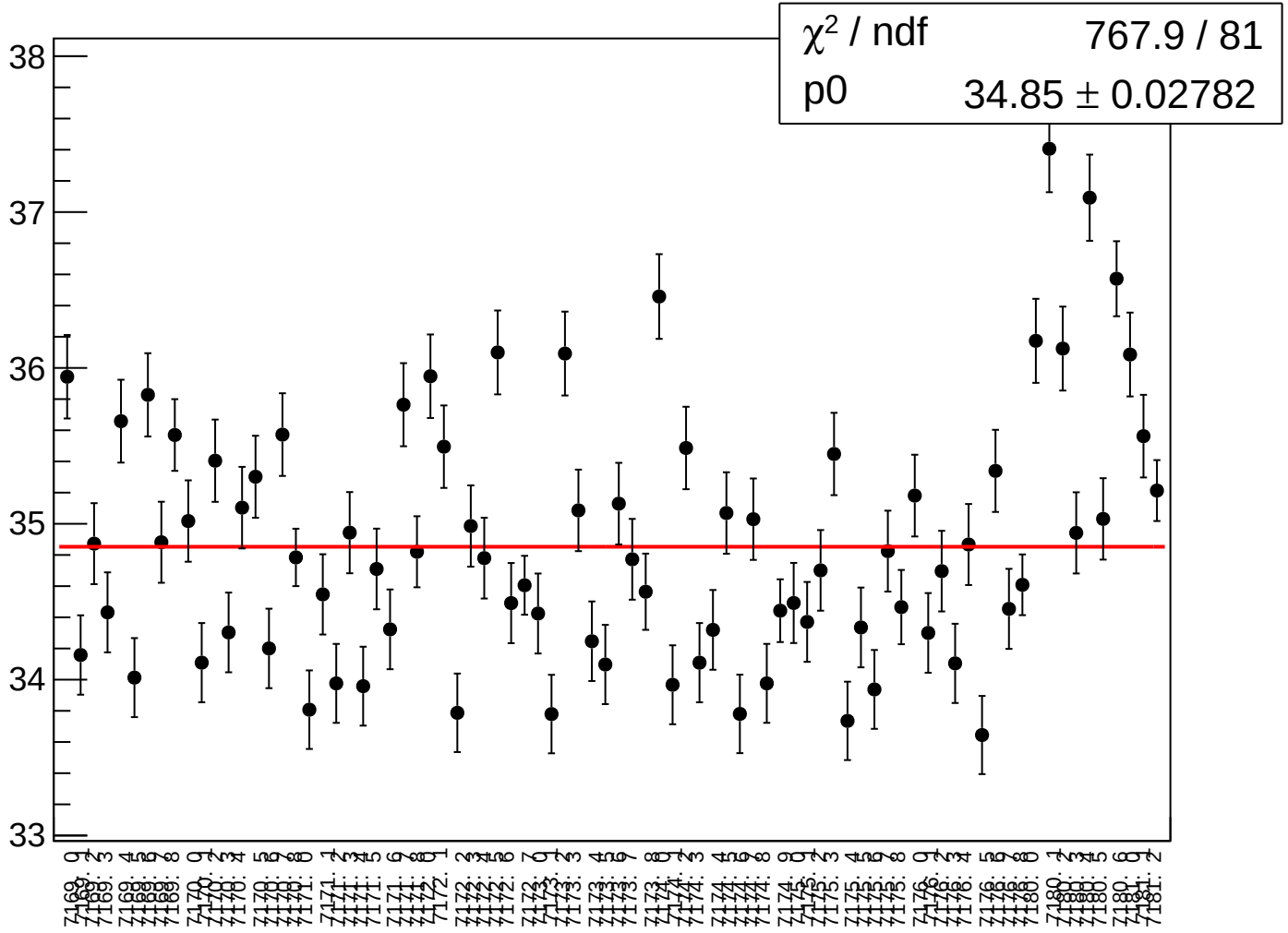


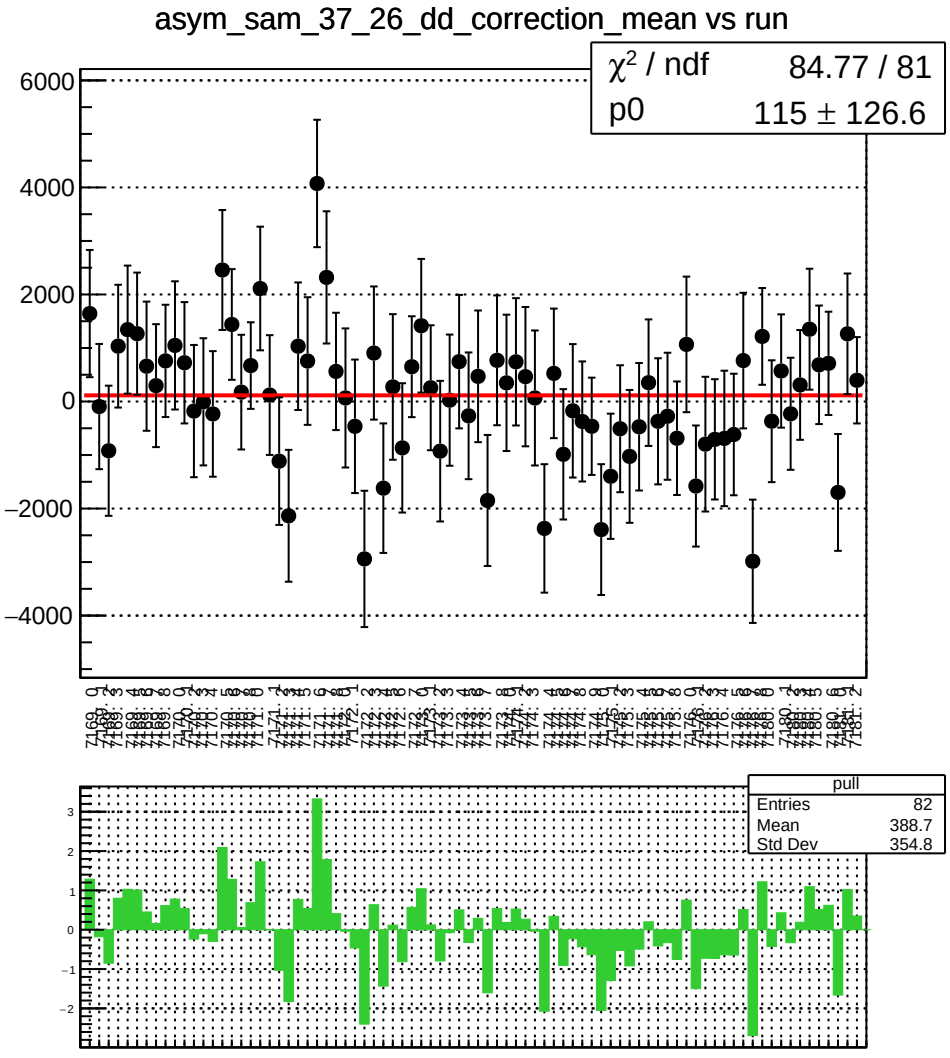

asym_sam_15_26_dd_mean vs run
χ² / ndf 60.63 / 81
p0 −167.1 ± 348.6
pull
Entries 82
Mean 1.288e+04
Std Dev 1.284e+04
pull1D
Entries 82
Mean 0.0003405
Std Dev 0.8599

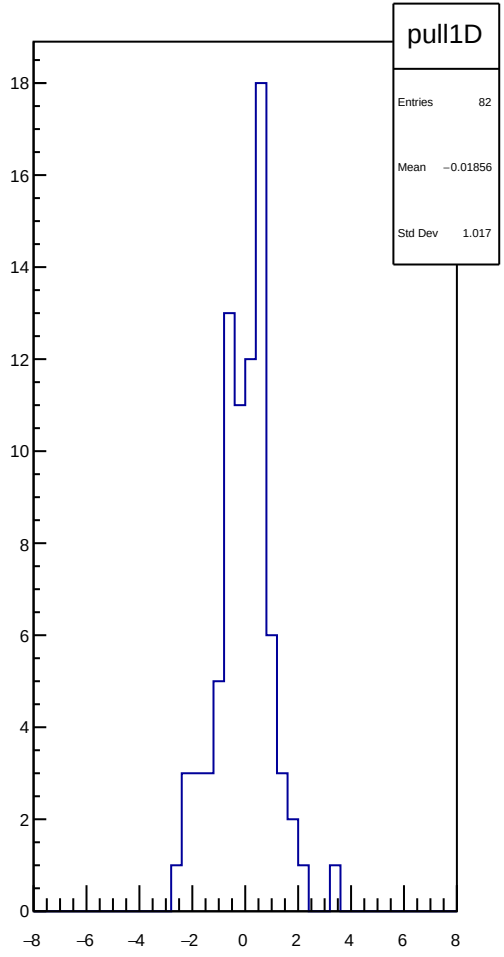

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 8176 / 81
p0 308 ± 0.2465
380
360
340
320
300
280
260

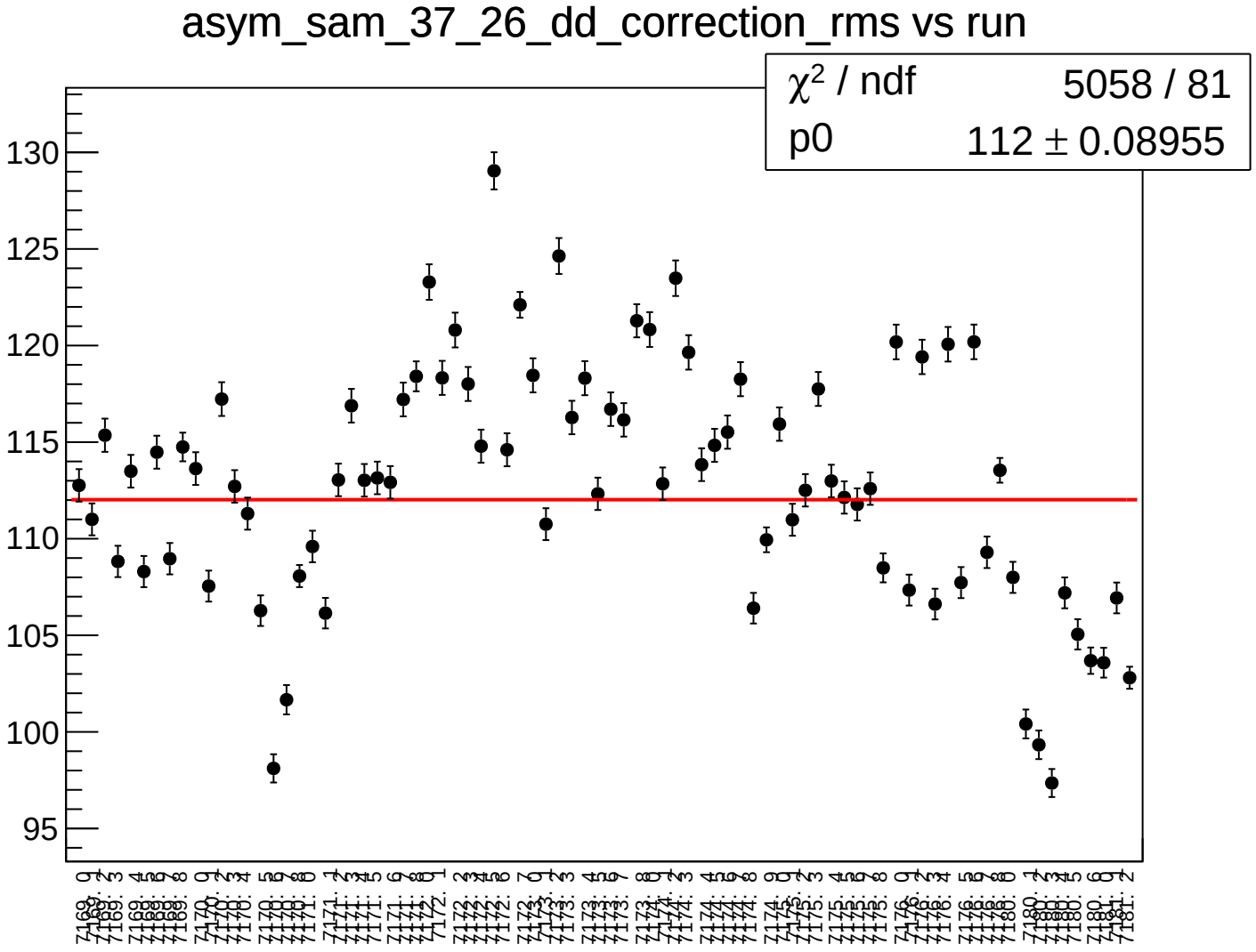

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 67.38 / 81
p0 82.54 ± 39.35
pull
Entries 82
Mean 314.3
Std Dev 304.3
pull1D
Entries 82
Mean 0.003419
Std Dev 0.9064

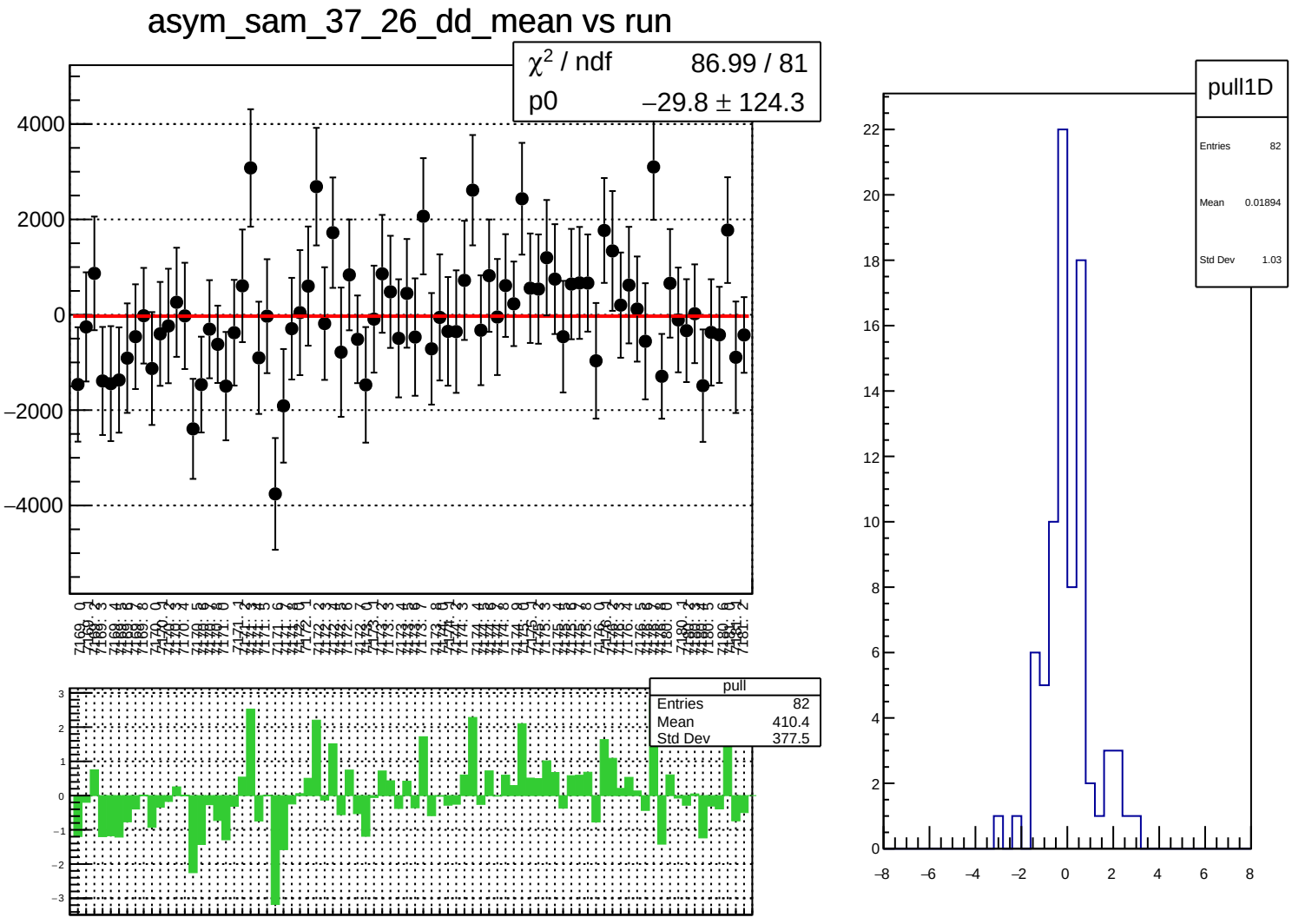
dit_asym_sam_37_26_dd_rms vs run

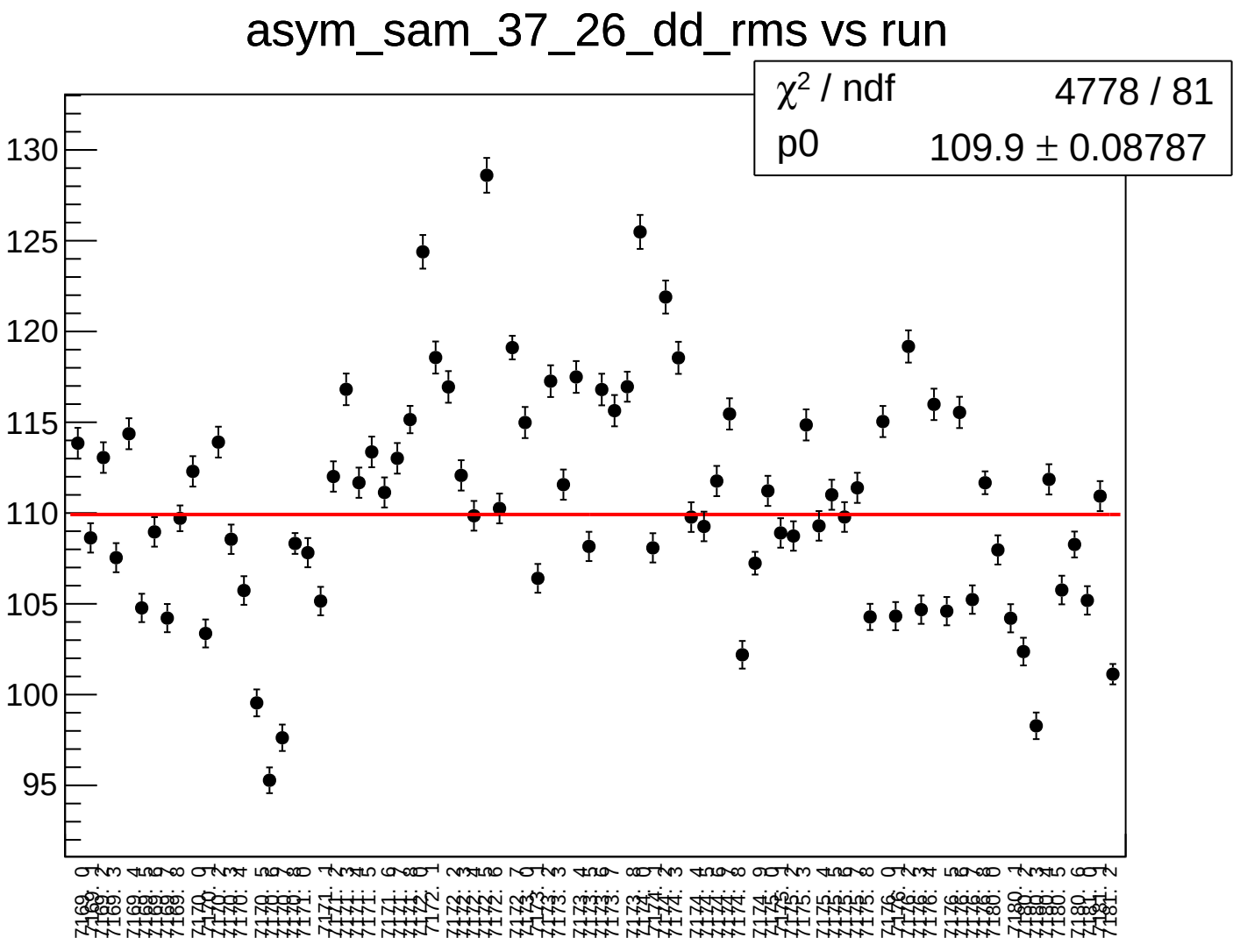


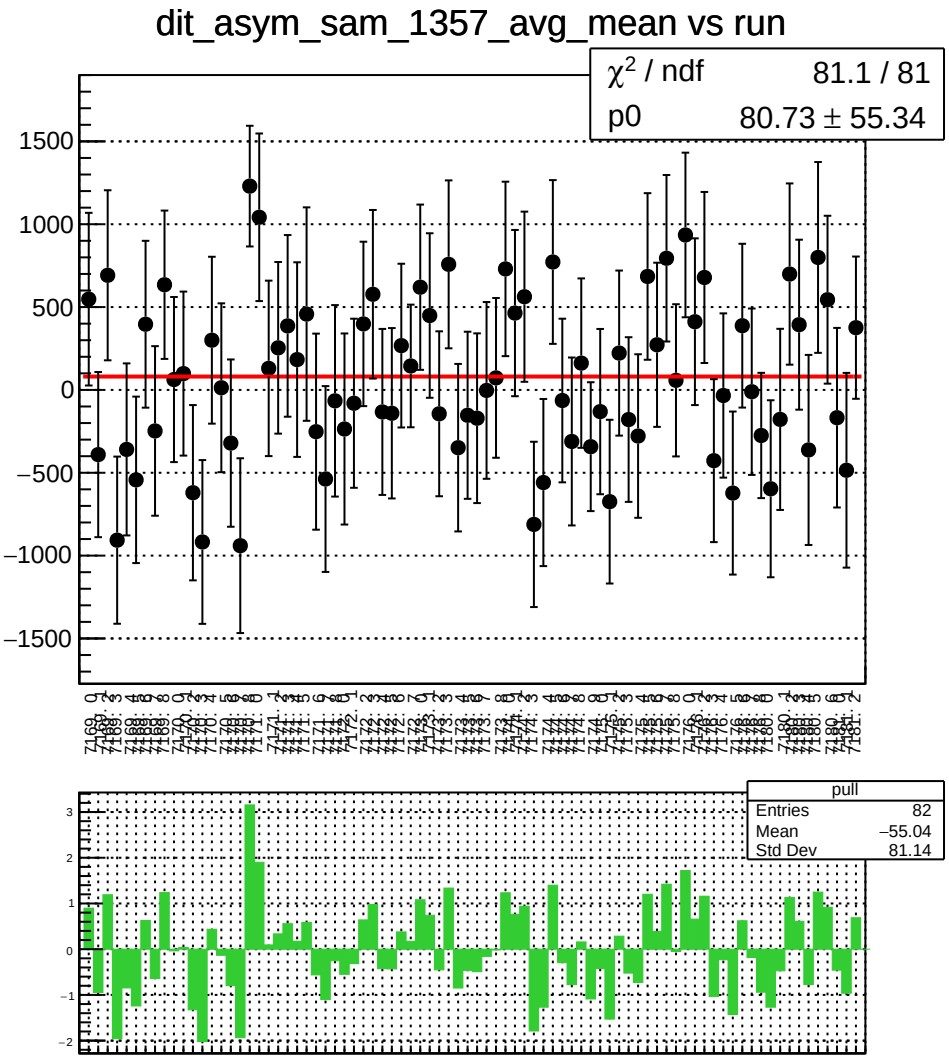

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 84.77 / 81
p0 115 ± 126.6
pull
Entries 82
Mean 388.7
Std Dev 354.8

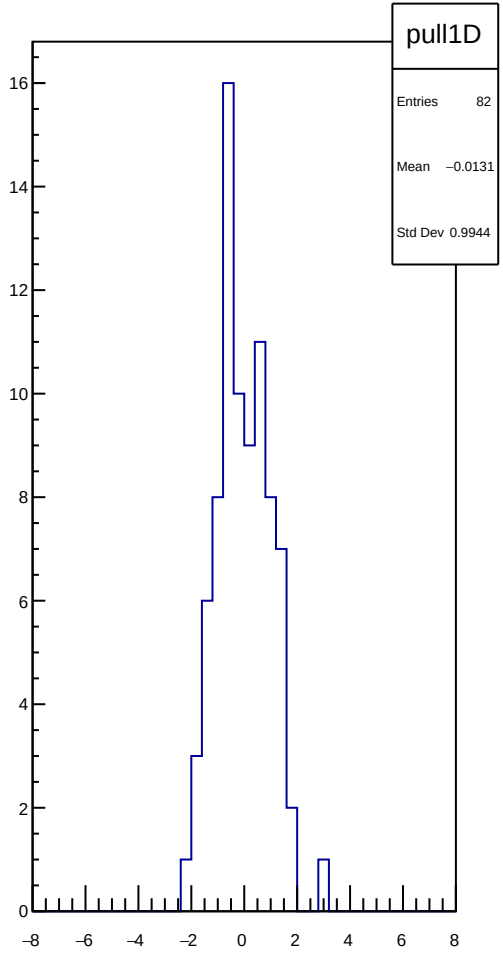

pull1D
Entries 82
Mean −0.01856
Std Dev 1.017


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 5058 / 81
p0 112 ± 0.08955
130
125
120
115
110
105
100
95

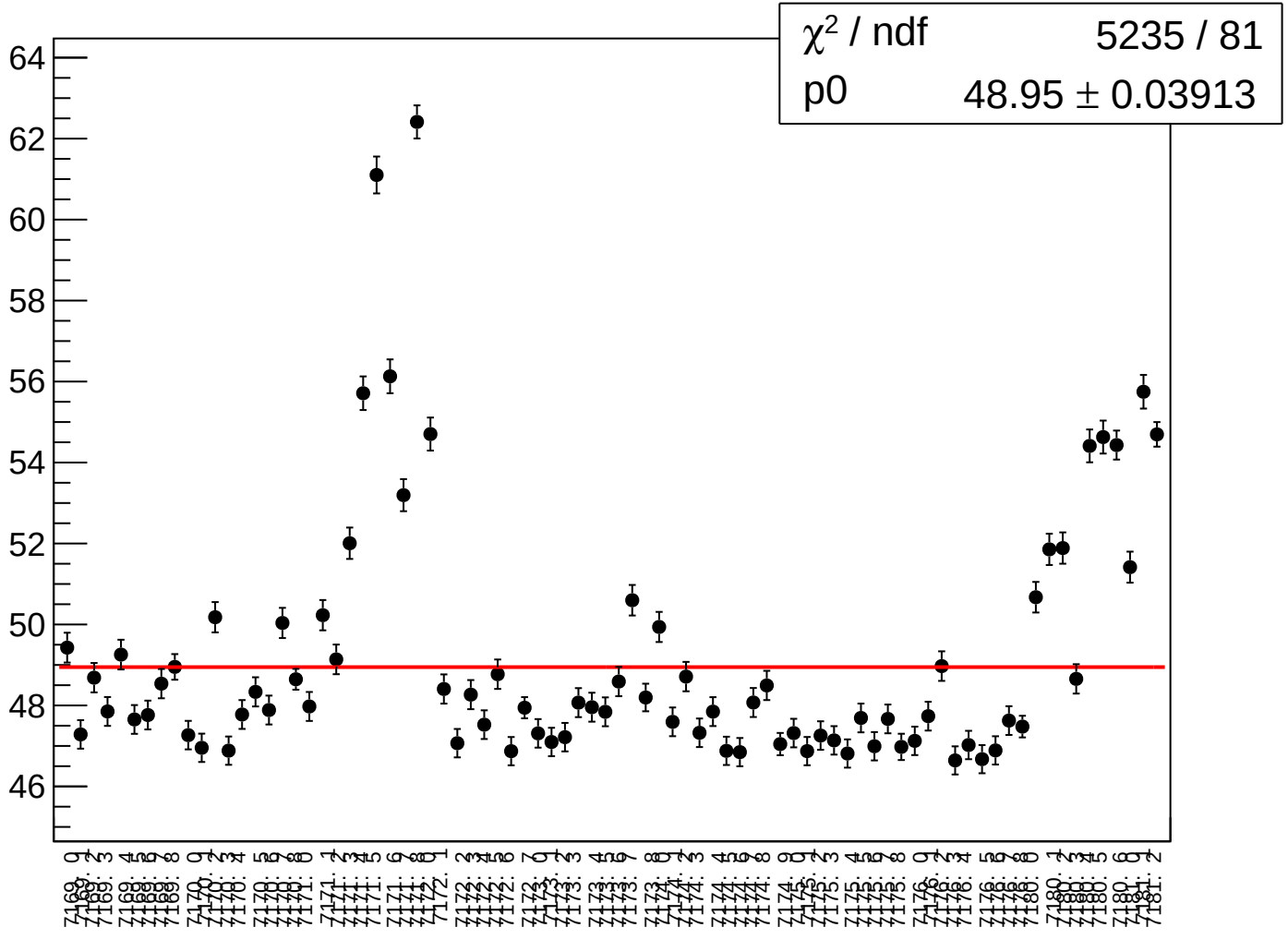

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 86.99 / 81
p0 −29.8 ± 124.3
pull
Entries 82
Mean 410.4
Std Dev 377.5
pull1D
Entries 82
Mean 0.01894
Std Dev 1.03

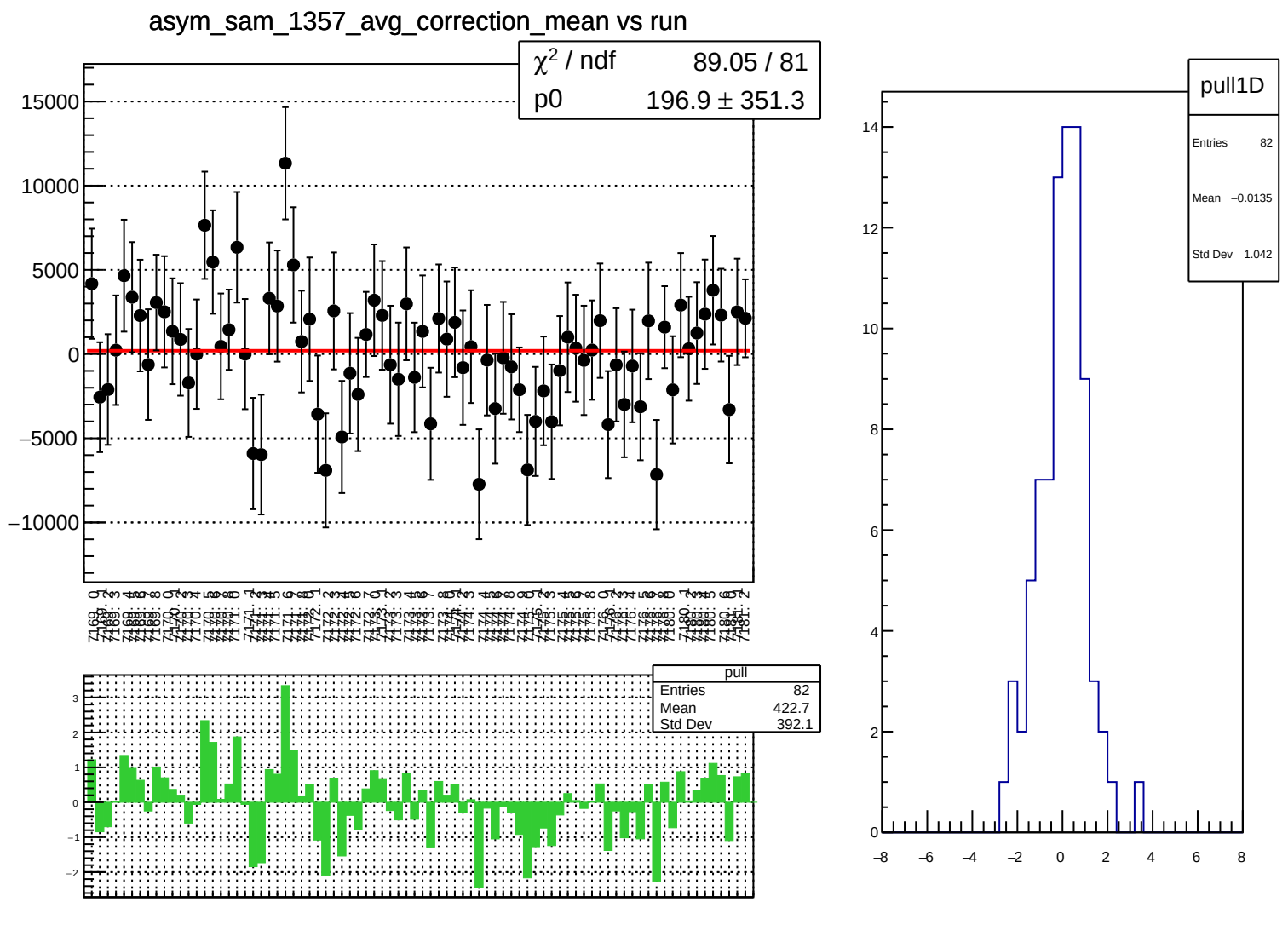

asym_sam_37_26_dd_rms vs run
χ² / ndf 4778 / 81
p0 109.9 ± 0.08787
130
125
120
115
110
105
100
95

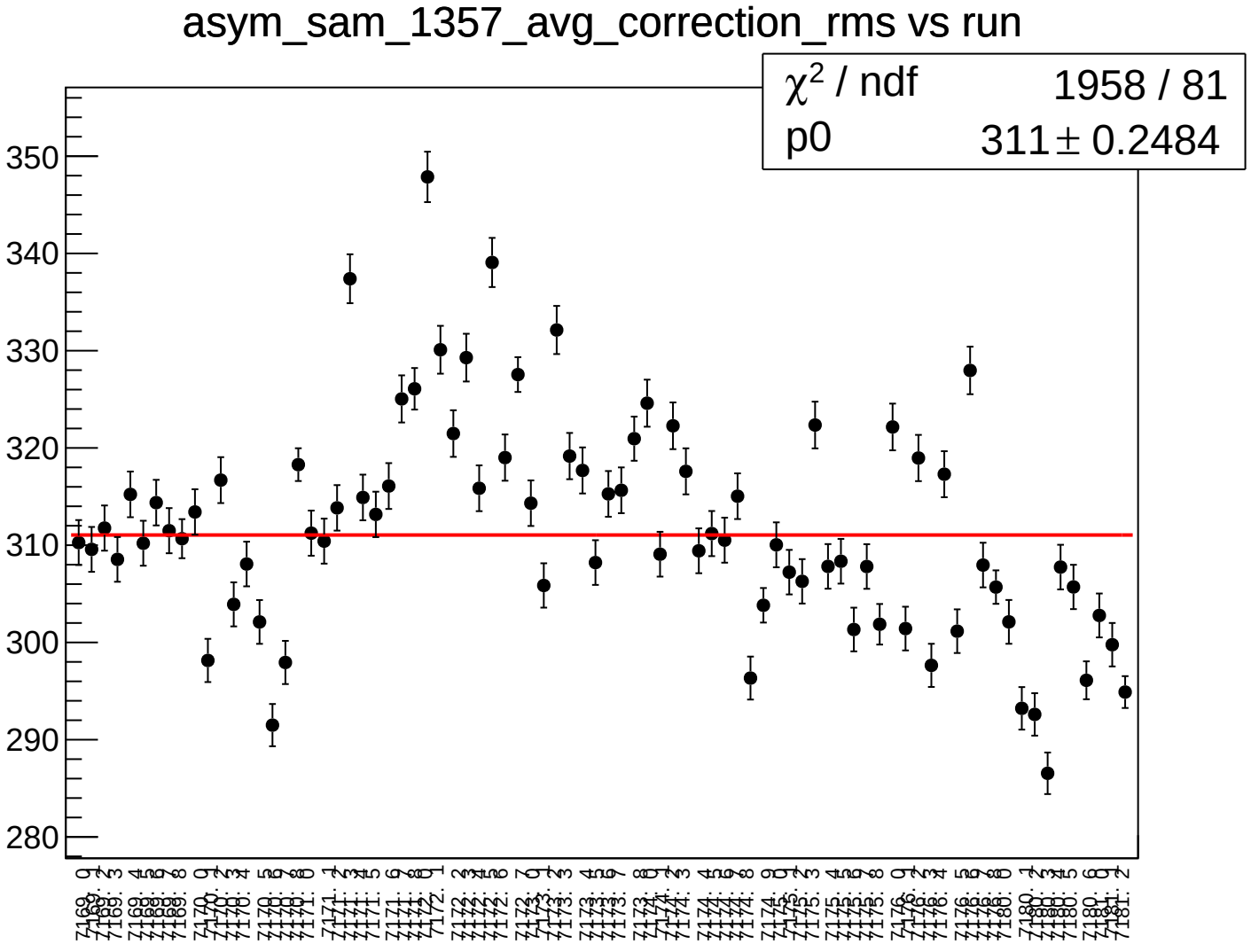

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.1 / 81
p0 80.73 ± 55.34
pull
Entries 82
Mean −55.04
Std Dev 81.14

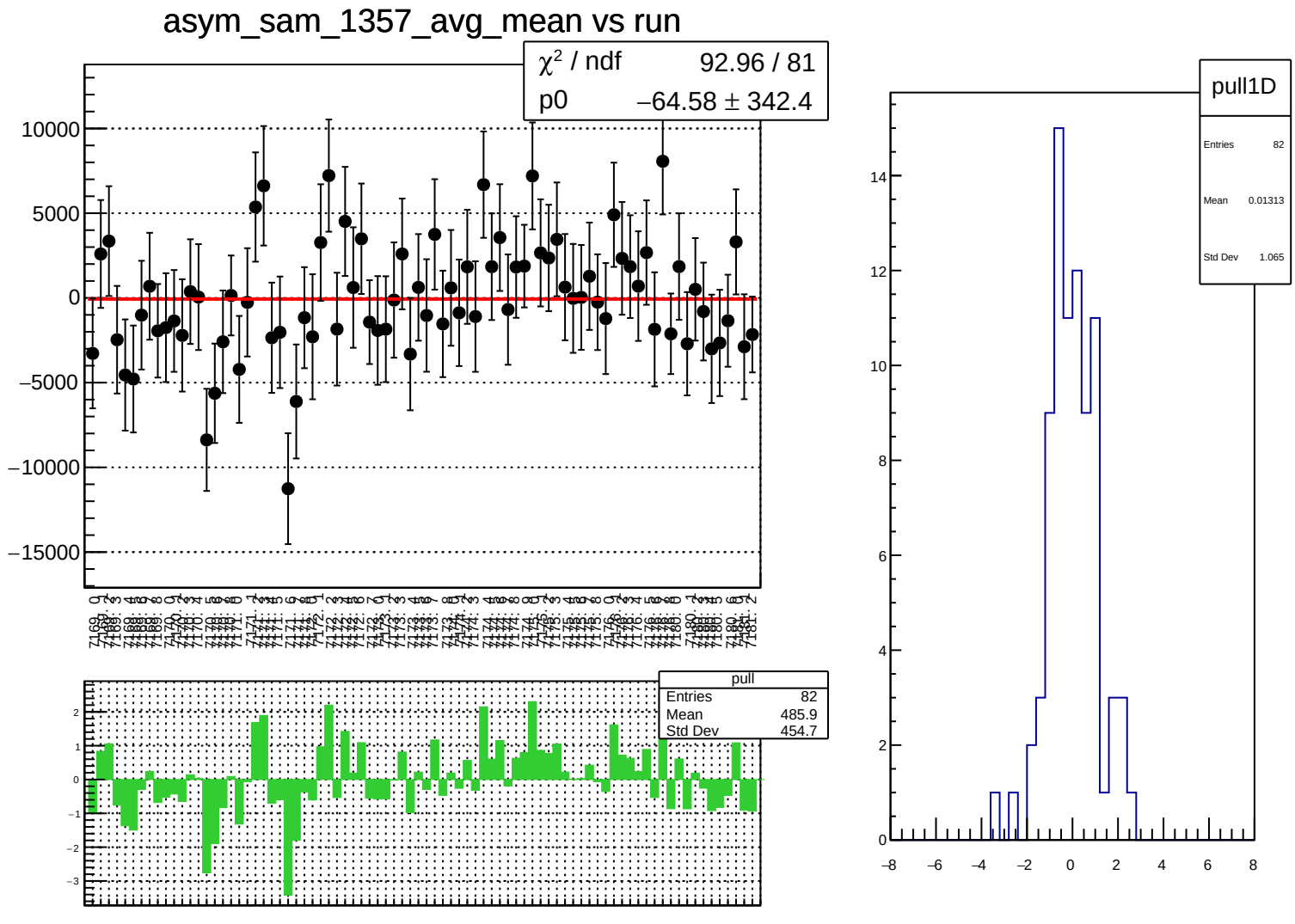

pull1D
Entries 82
Mean −0.0131
Std Dev 0.9944

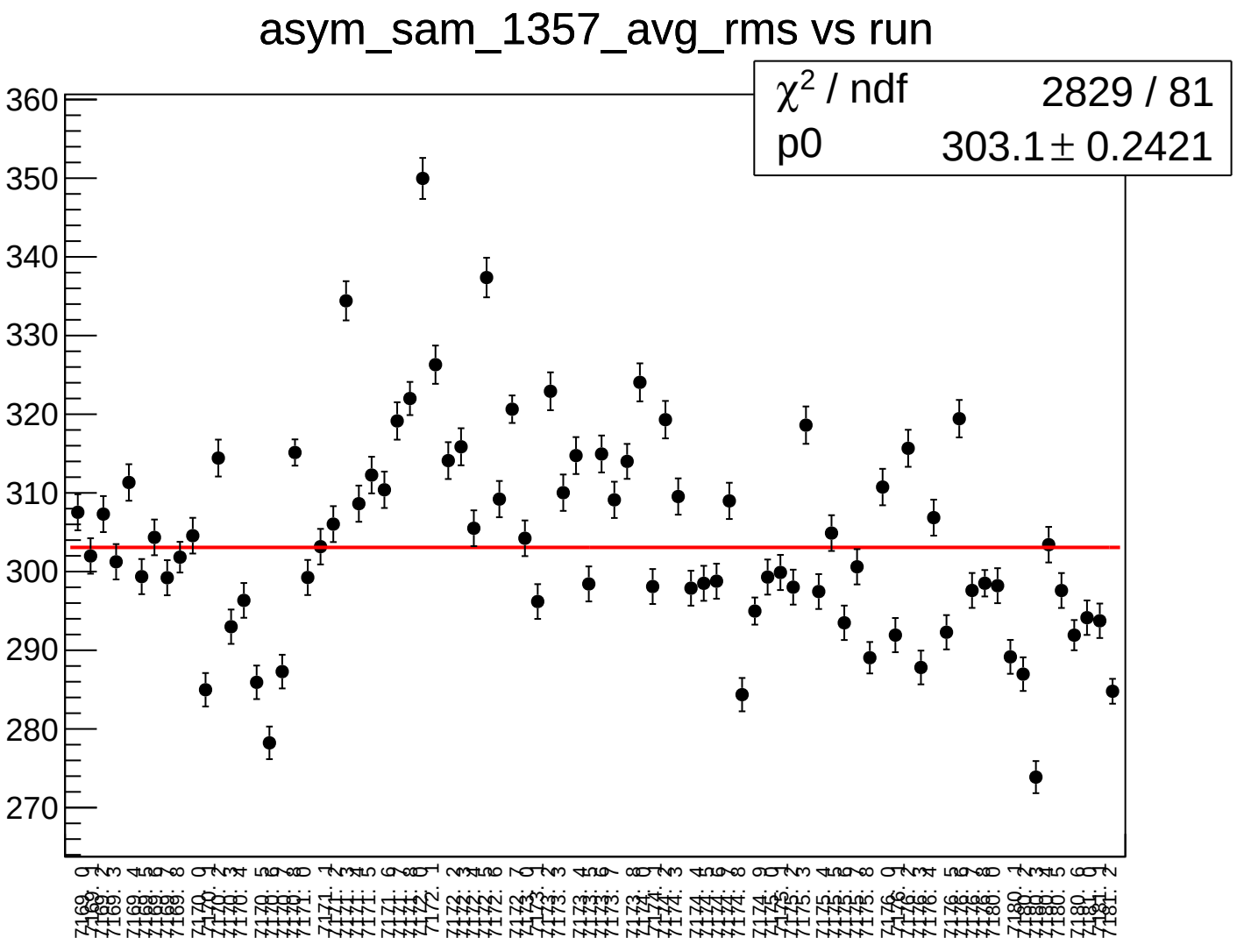
dit_asym_sam_1357_avg_rms vs run

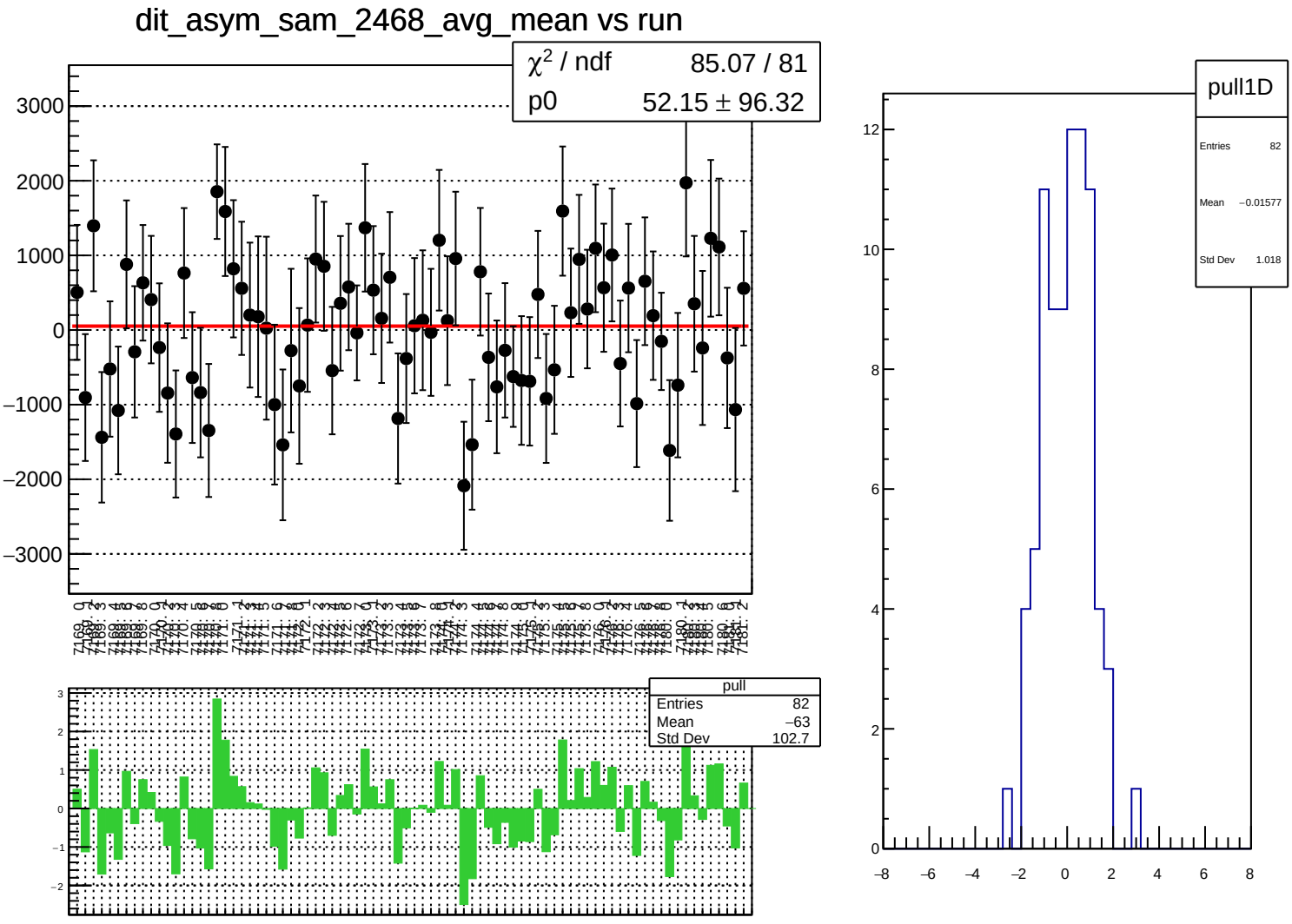



asym_sam_1357_avg_correction_mean vs run
χ² / ndf 89.05 / 81
p0 196.9 ± 351.3
15000
10000
5000
0
−5000
−10000
pull
Entries 82
Mean 422.7
Std Dev 392.1
3
2
1
0
−1
−2
pull1D
Entries 82
Mean −0.0135
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

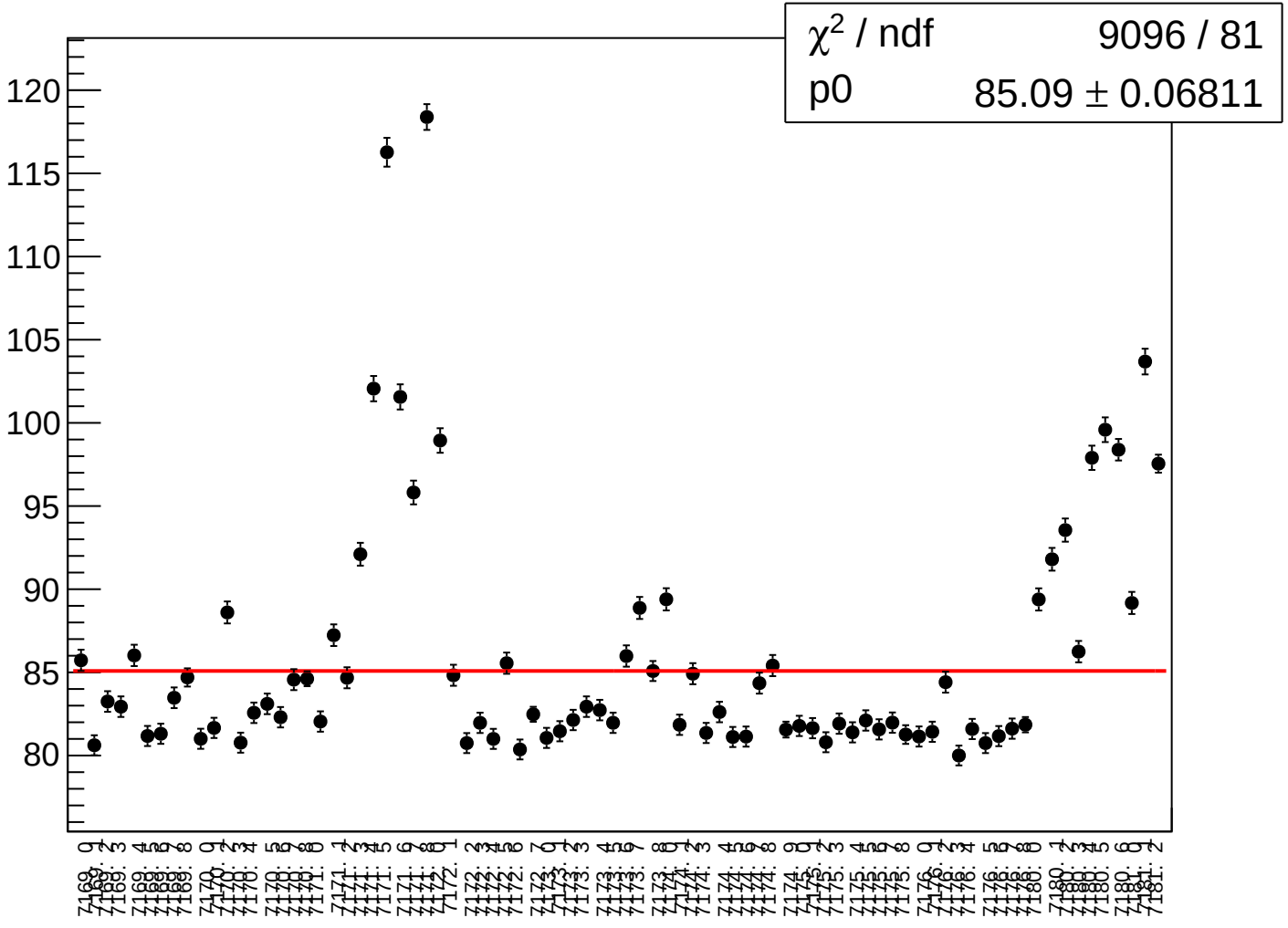

asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 1958 / 81
p0 311 ± 0.2484
350
340
330
320
310
300
290
280

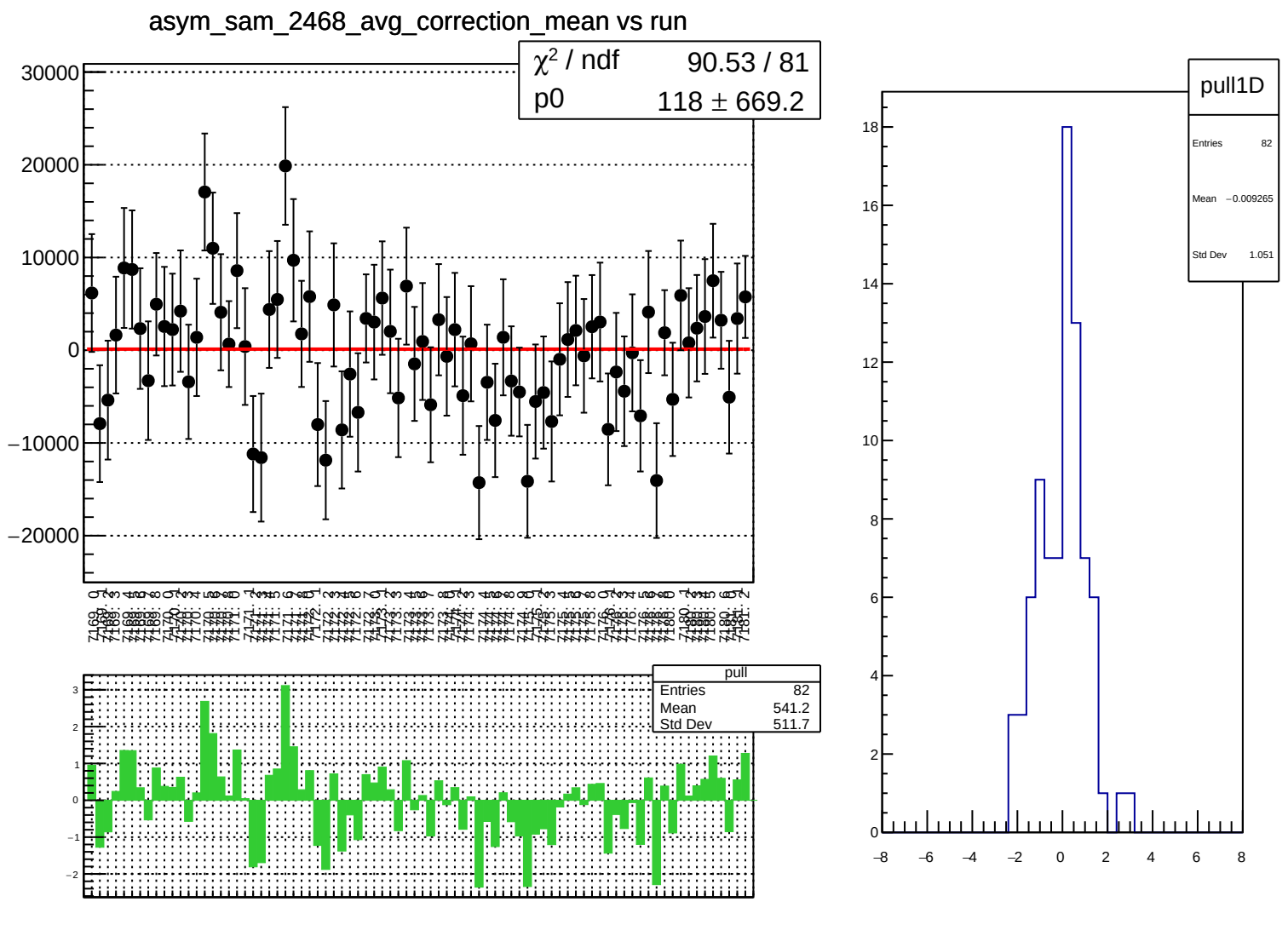

asym_sam_1357_avg_mean vs run
χ² / ndf 92.96 / 81
p0 −64.58 ± 342.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 82
Mean 485.9
Std Dev 454.7
pull1D
Entries 82
Mean 0.01313
Std Dev 1.065


asym_sam_1357_avg_rms vs run
χ² / ndf 2829 / 81
p0 303.1 ± 0.2421
360
350
340
330
320
310
300
290
280
270

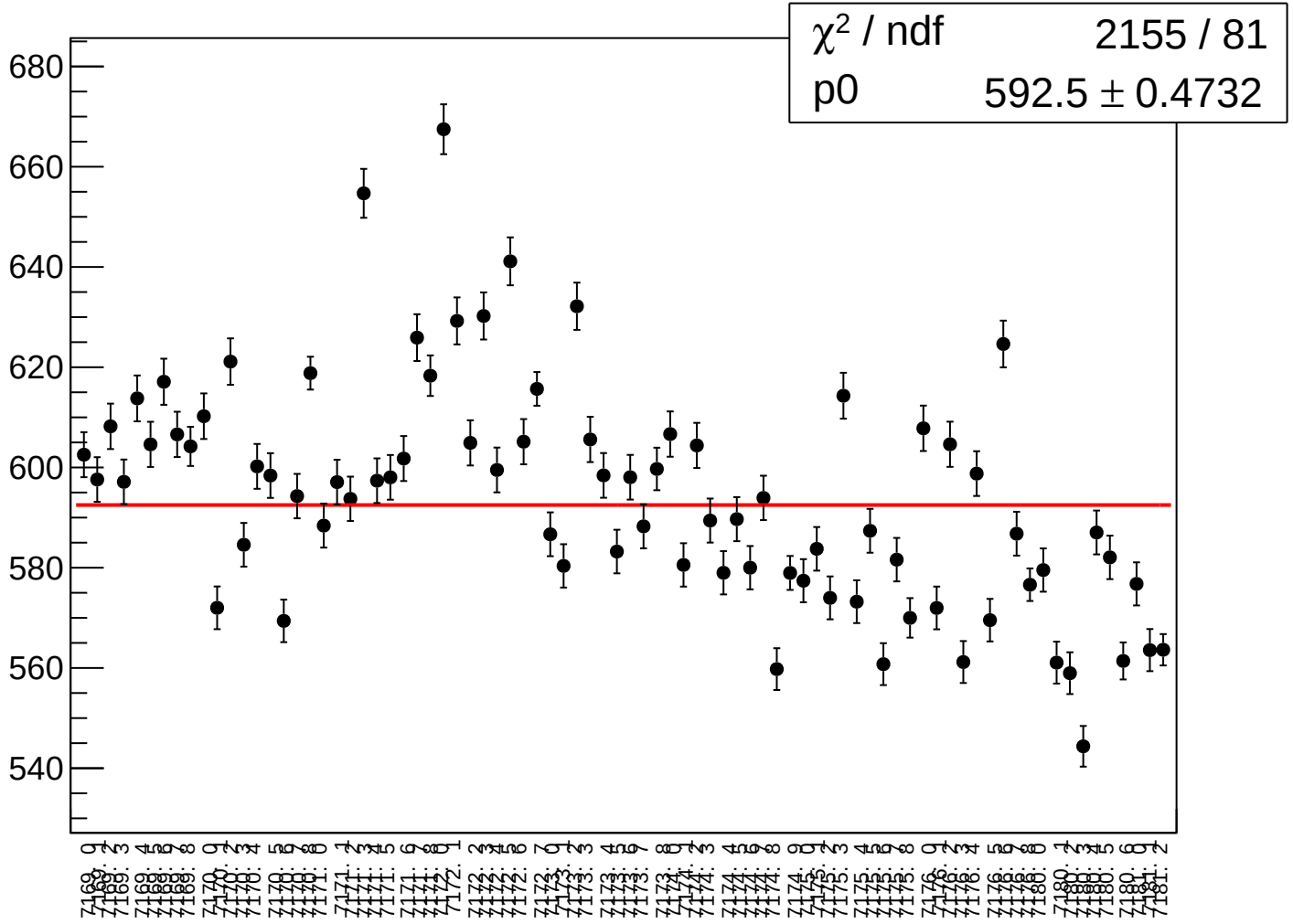

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 85.07 / 81
p0 52.15 ± 96.32
pull
Entries 82
Mean −63
Std Dev 102.7
pull1D
Entries 82
Mean −0.01577
Std Dev 1.018

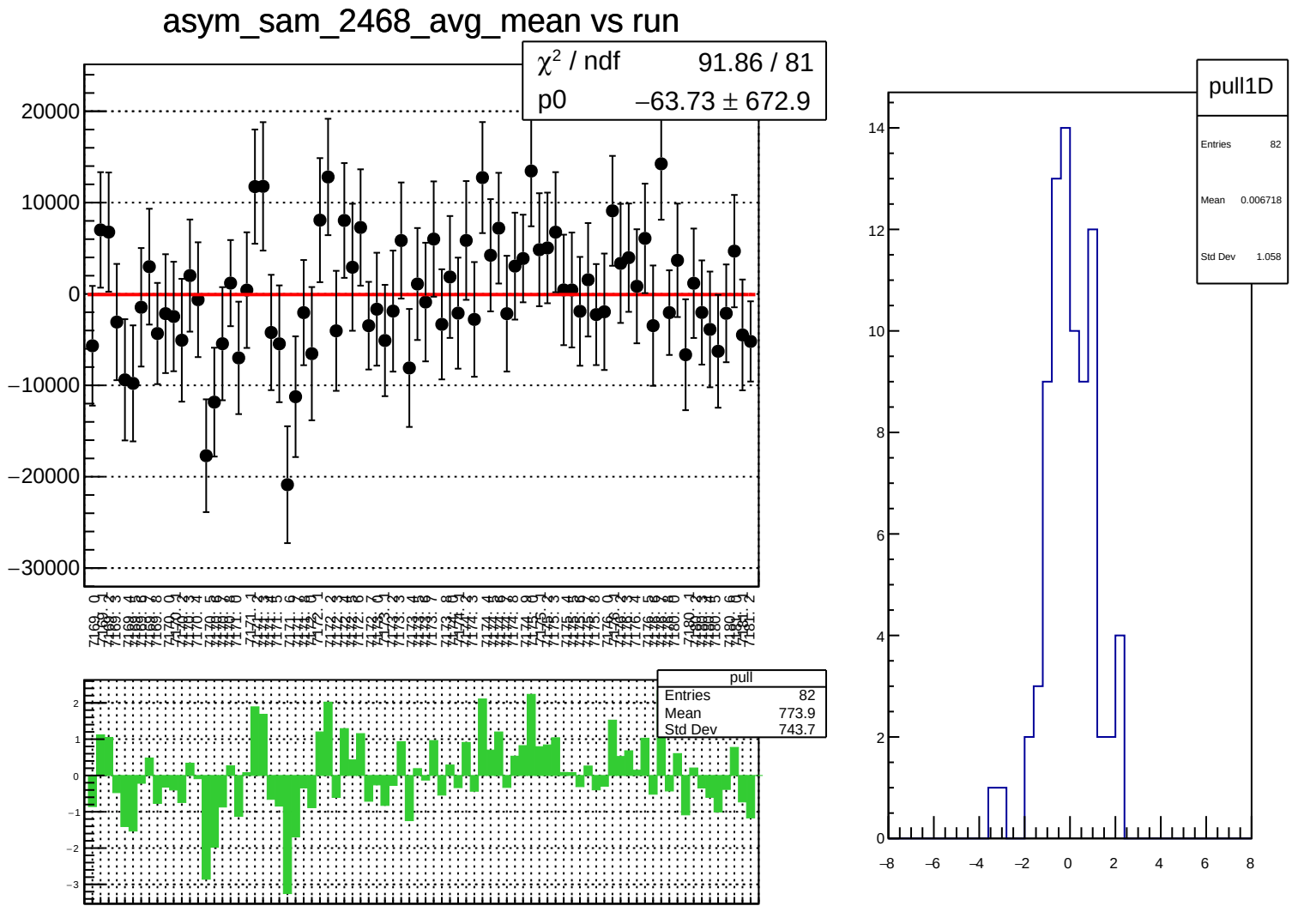
dit_asym_sam_2468_avg_rms vs run

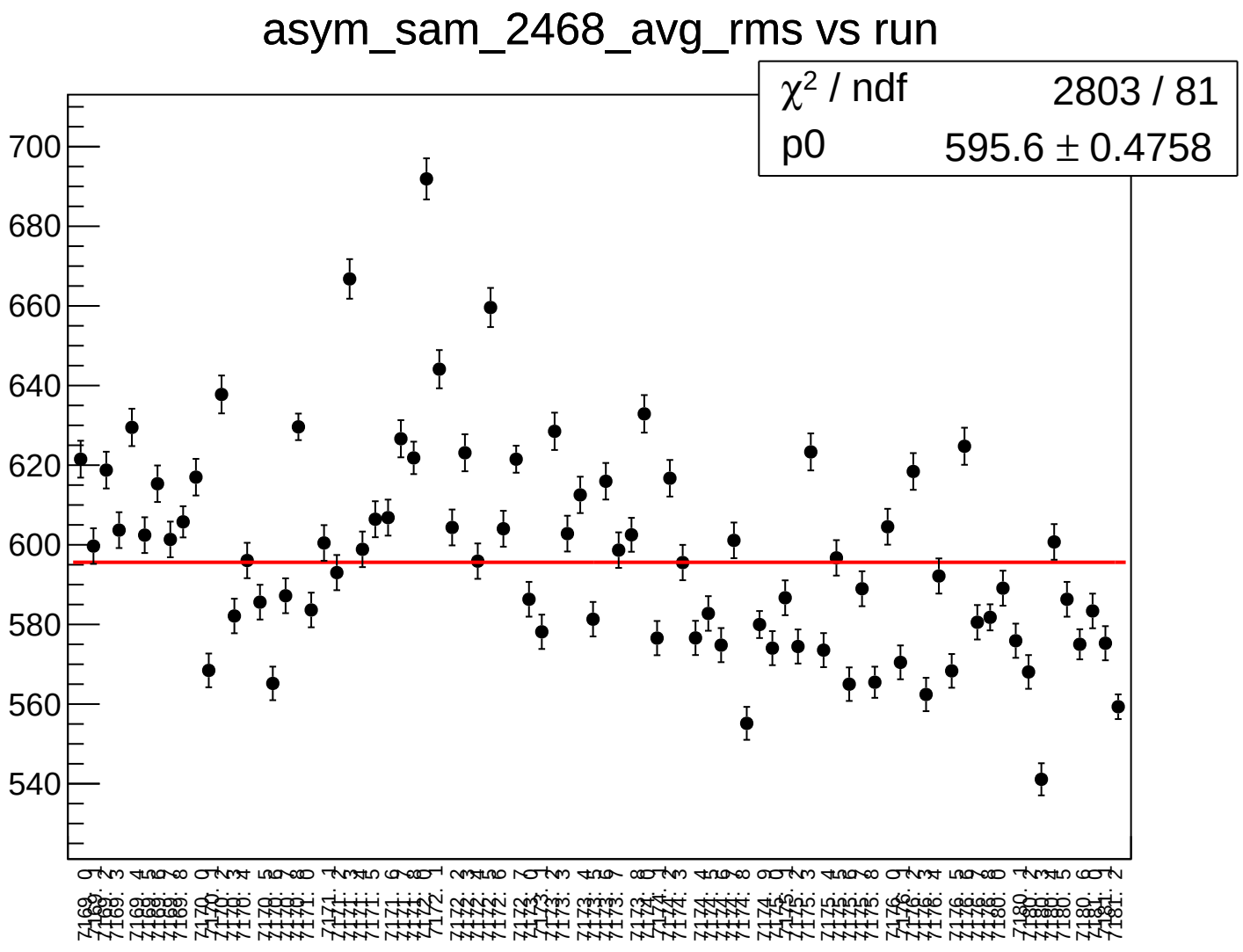


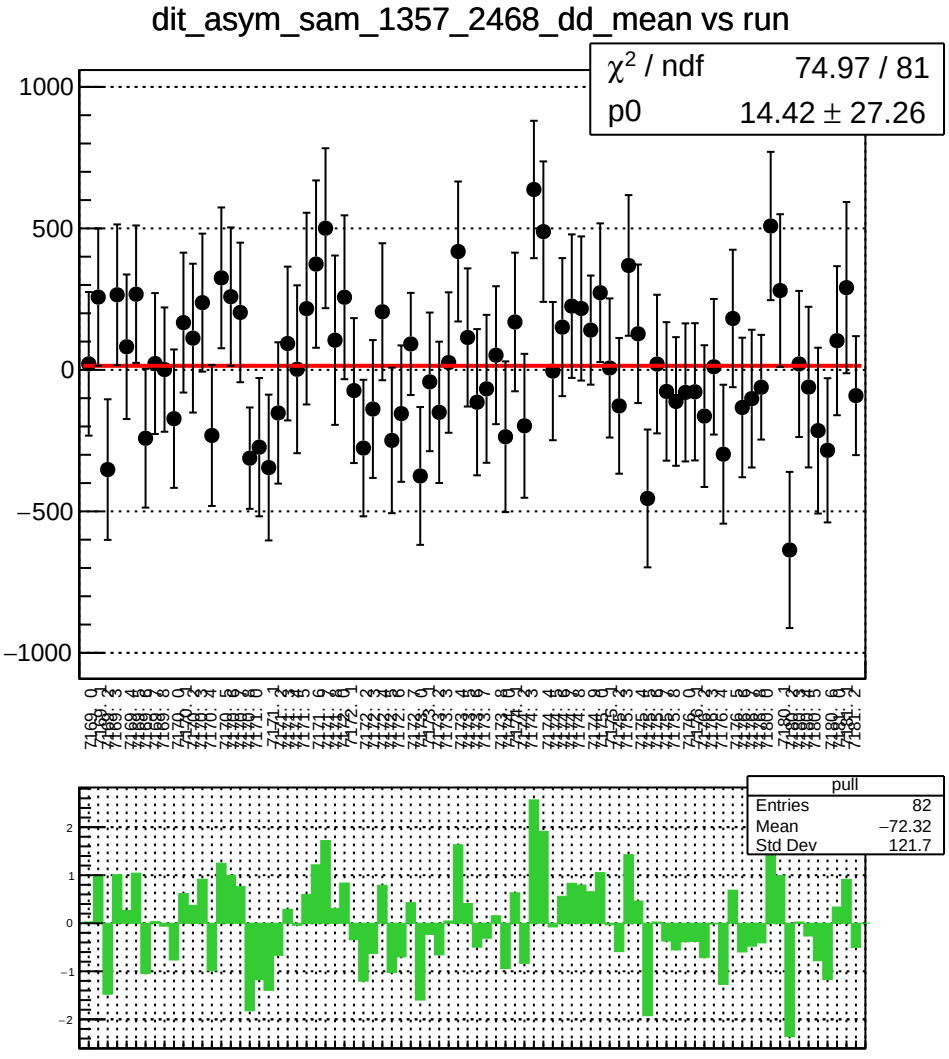

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 90.53 / 81
p0 118 ± 669.2
pull
Entries 82
Mean 541.2
Std Dev 511.7
pull1D
Entries 82
Mean −0.009265
Std Dev 1.051

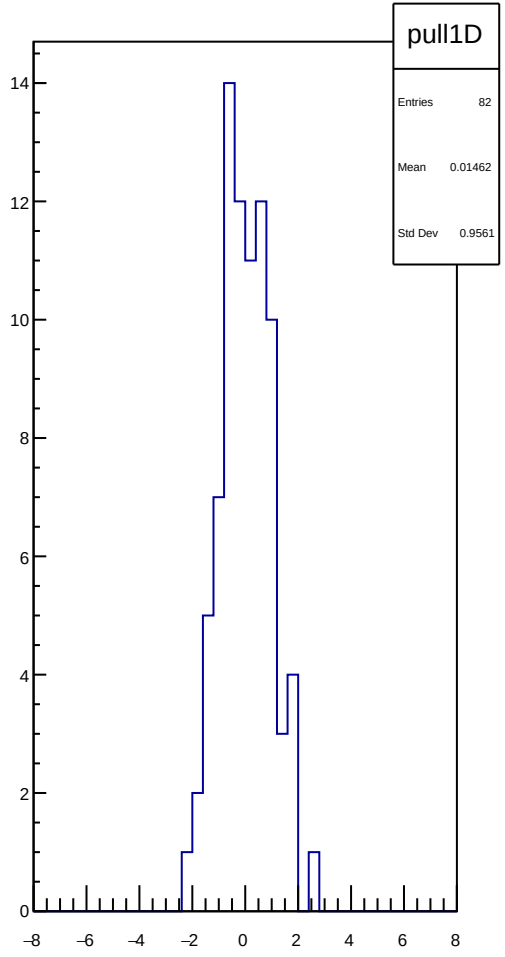
asym_sam_2468_avg_correction_rms vs run



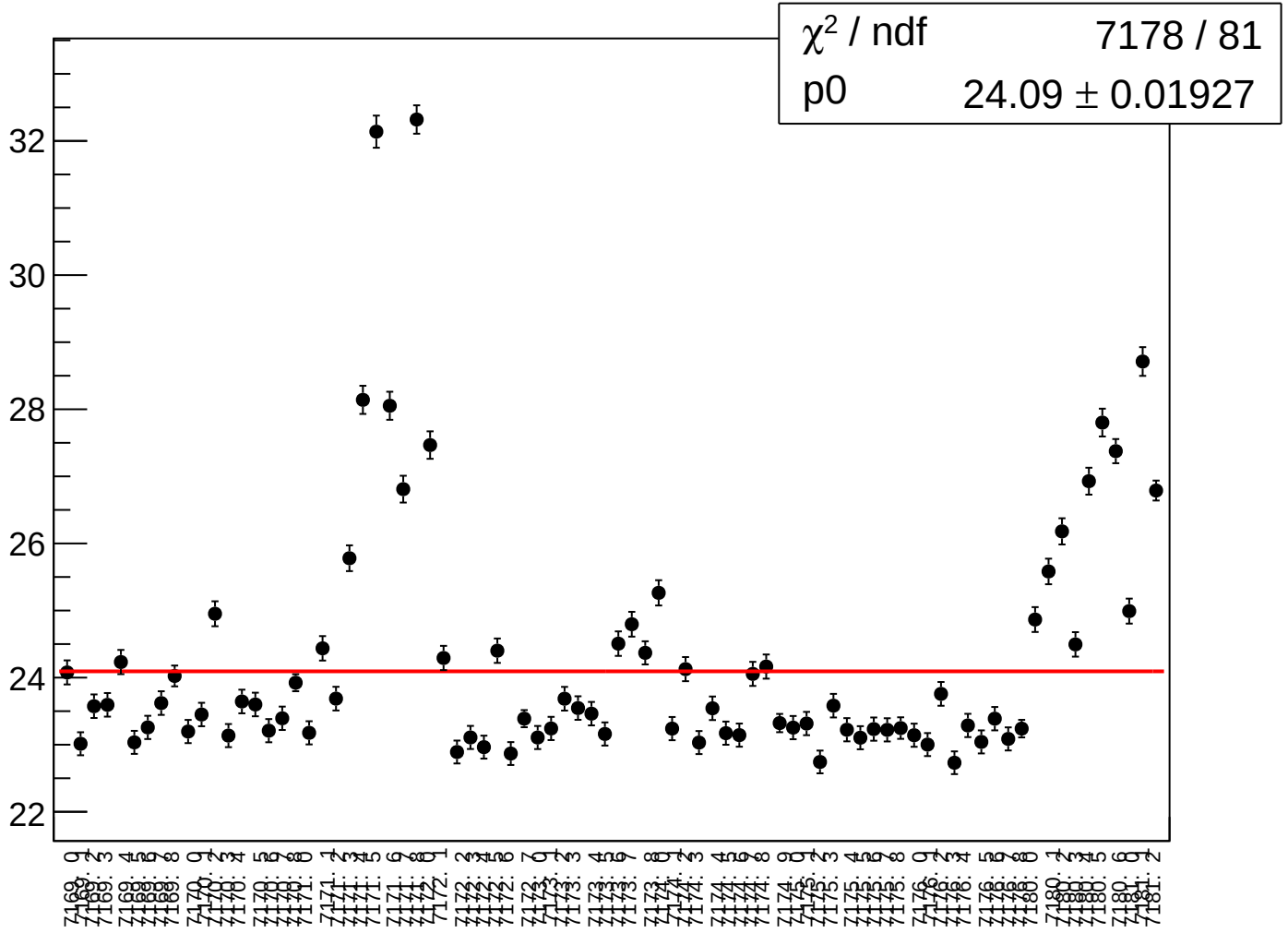

asym_sam_2468_avg_mean vs run
χ² / ndf 91.86 / 81
p0 −63.73 ± 672.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 82
Mean 773.9
Std Dev 743.7
2
1
0
−1
−2
−3
pull1D
Entries 82
Mean 0.006718
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

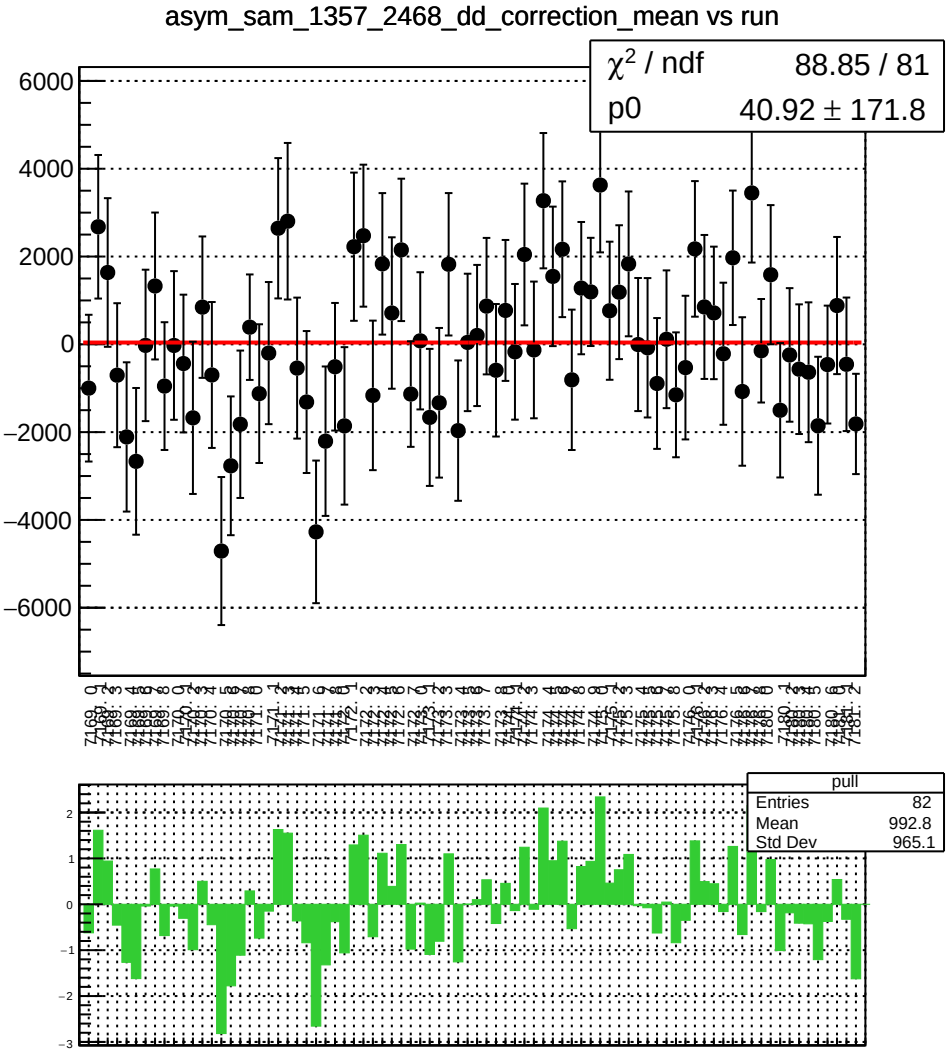

asym_sam_2468_avg_rms vs run
χ² / ndf 2803 / 81
p0 595.6 ± 0.4758
700
680
660
640
620
600
580
560
540

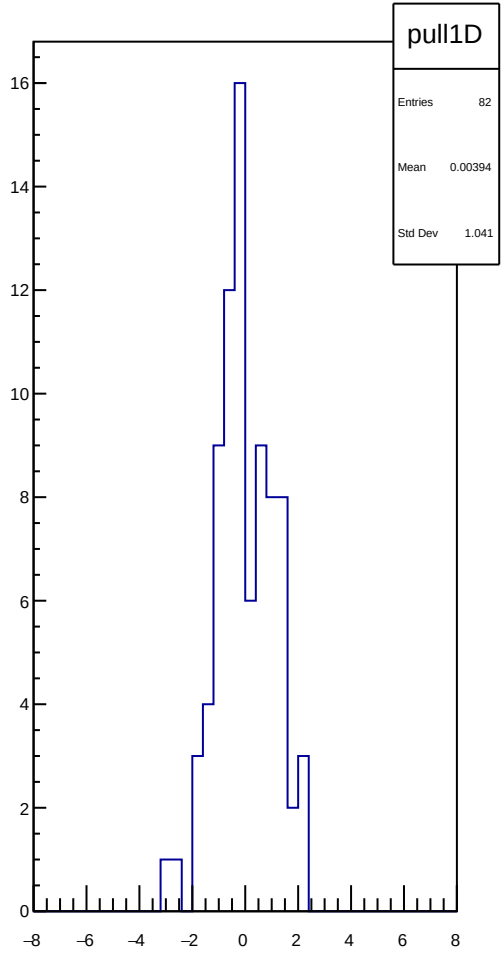

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 74.97 / 81
p0 14.42 ± 27.26
1000
500
0
−500
−1000
pull
Entries 82
Mean −72.32
Std Dev 121.7
2
1
0
−1
−2

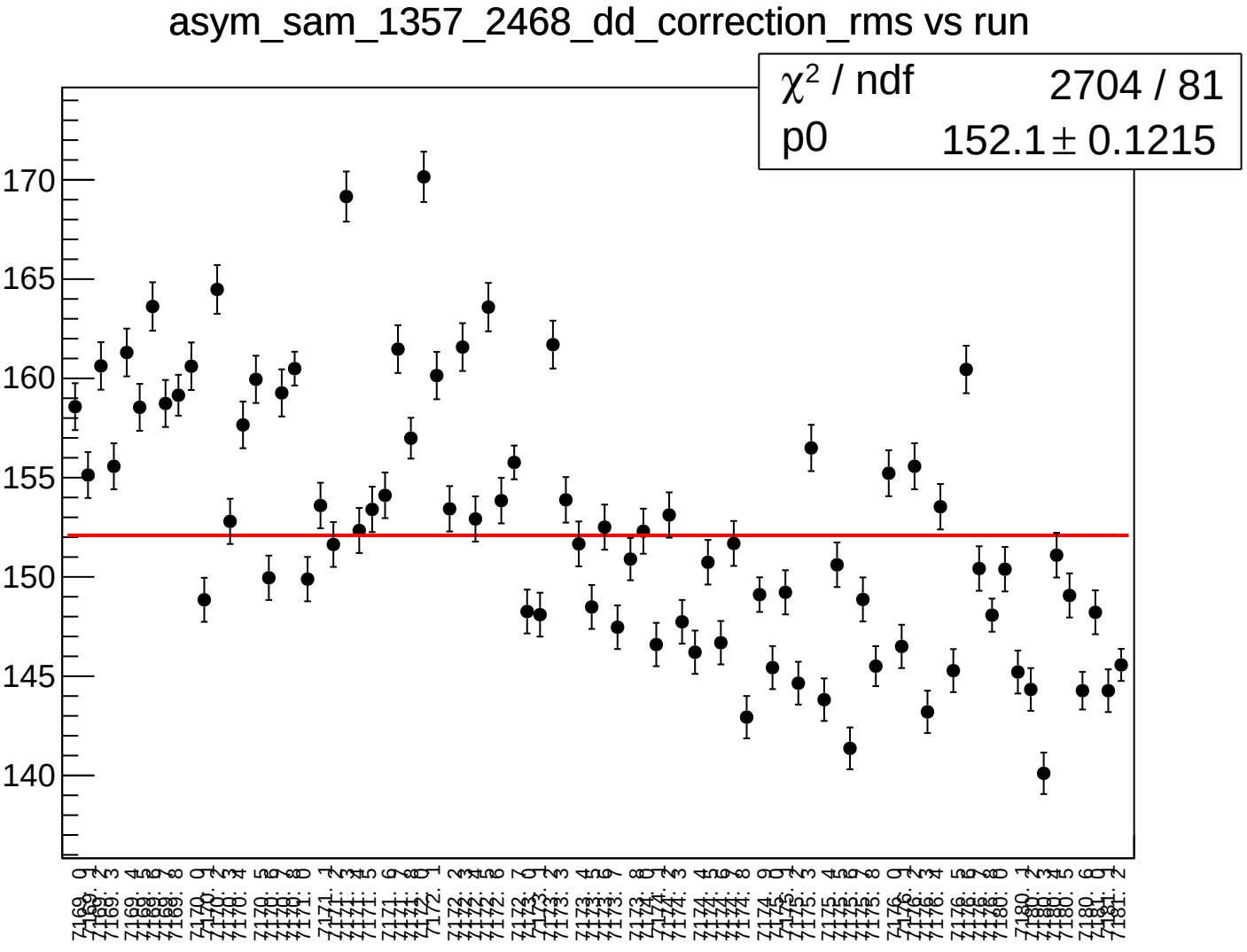

pull1D
Entries 82
Mean 0.01462
Std Dev 0.9561
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

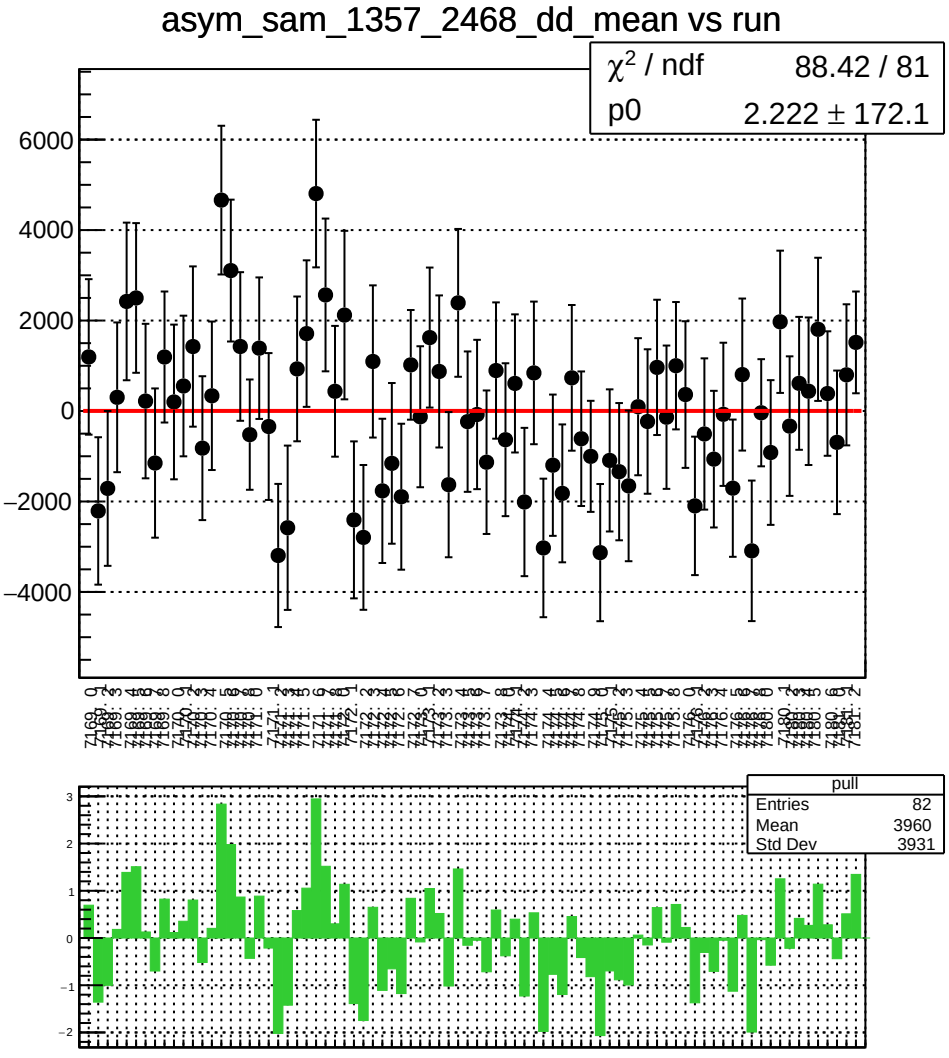
dit_asym_sam_1357_2468_dd_rms vs run

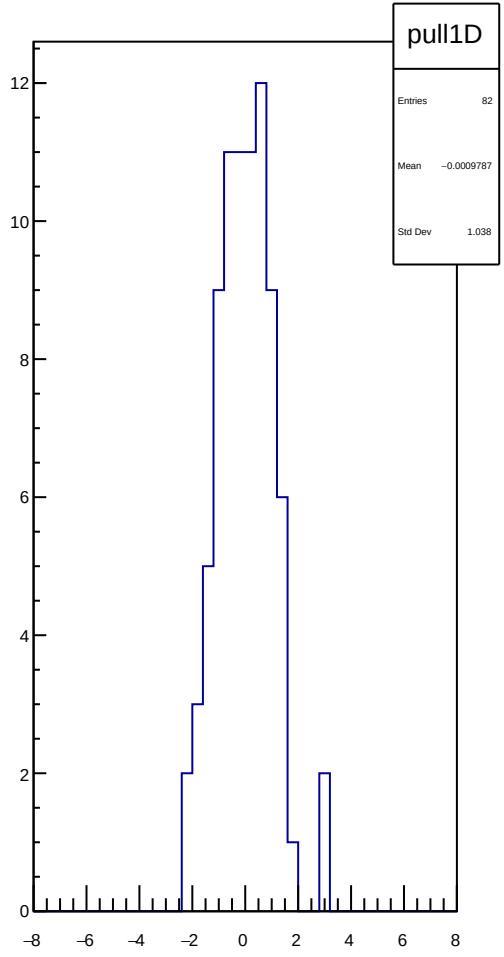


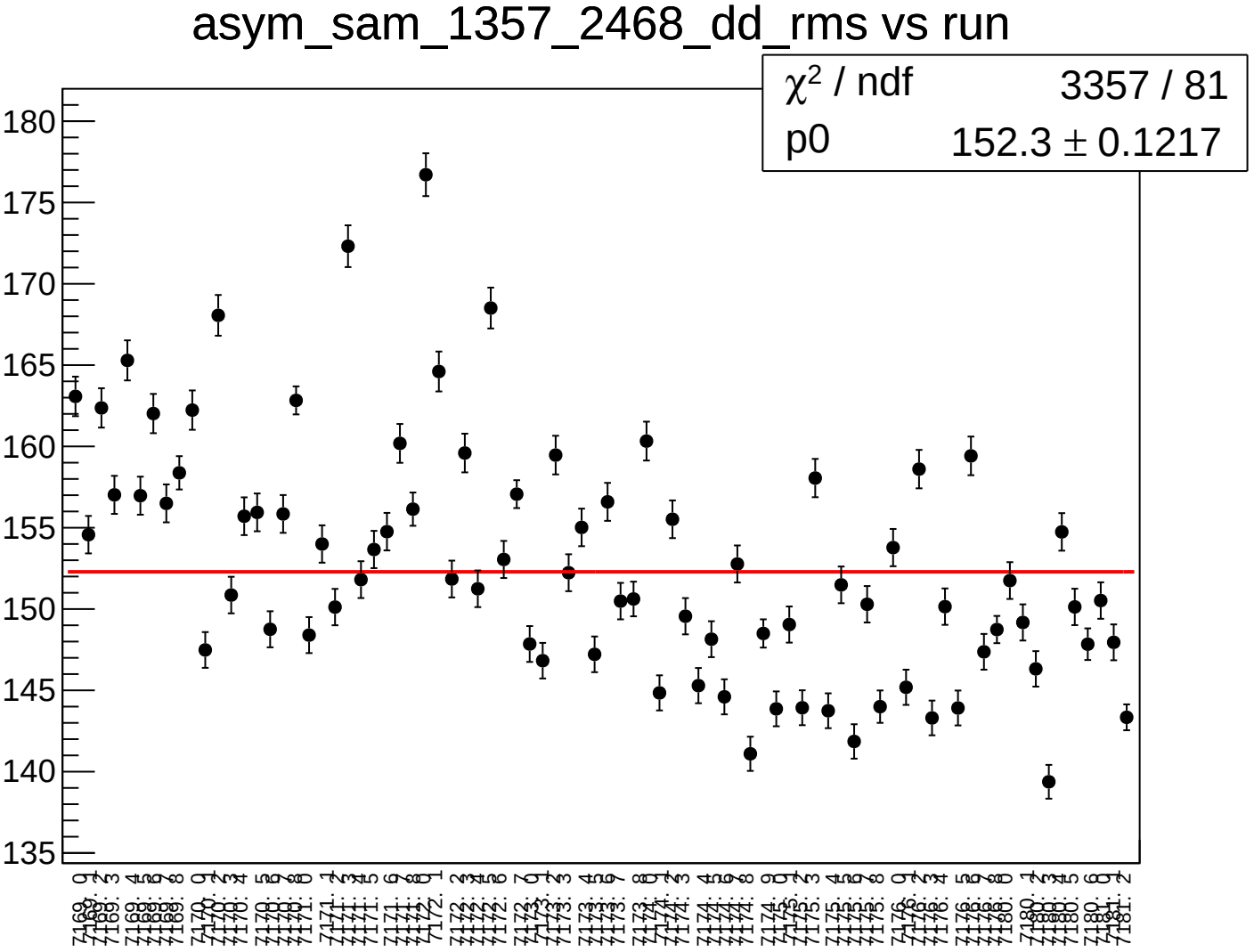

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 88.85 / 81
p0 40.92 ± 171.8
pull
Entries 82
Mean 992.8
Std Dev 965.1

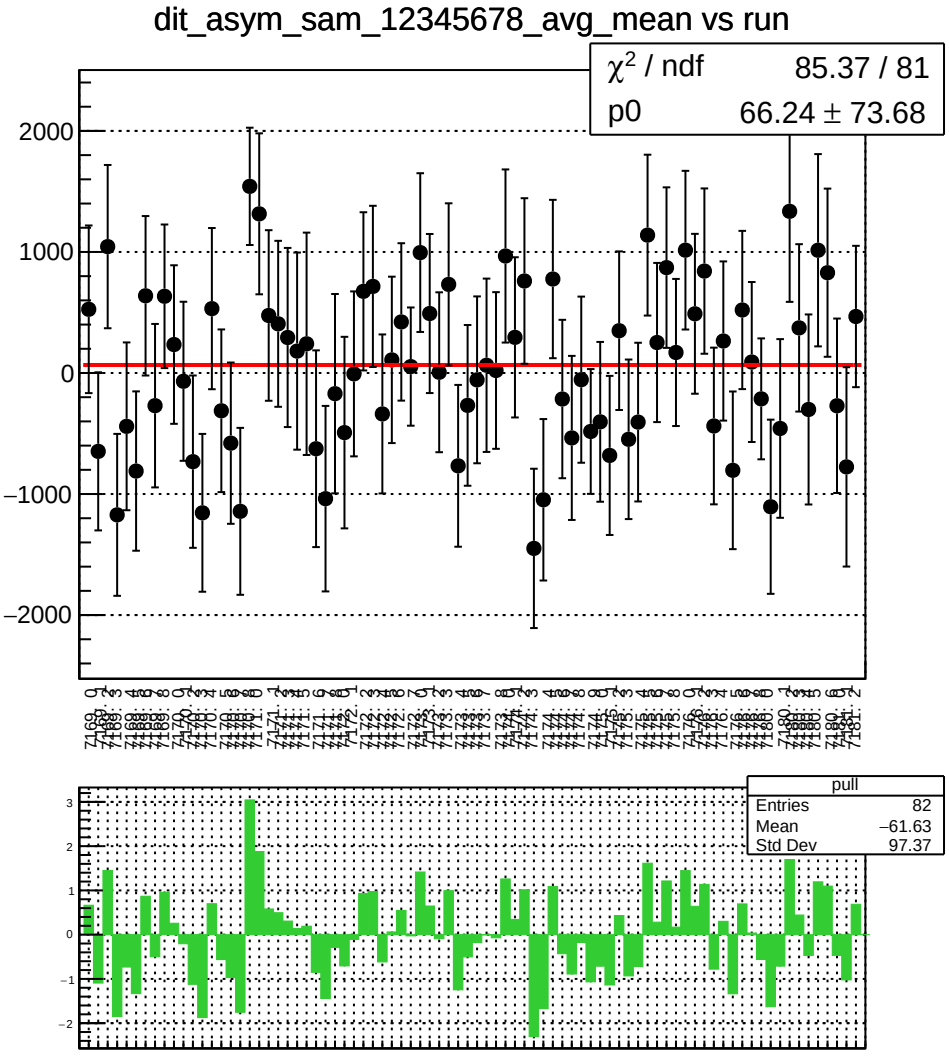

pull1D
Entries 82
Mean 0.00394
Std Dev 1.041

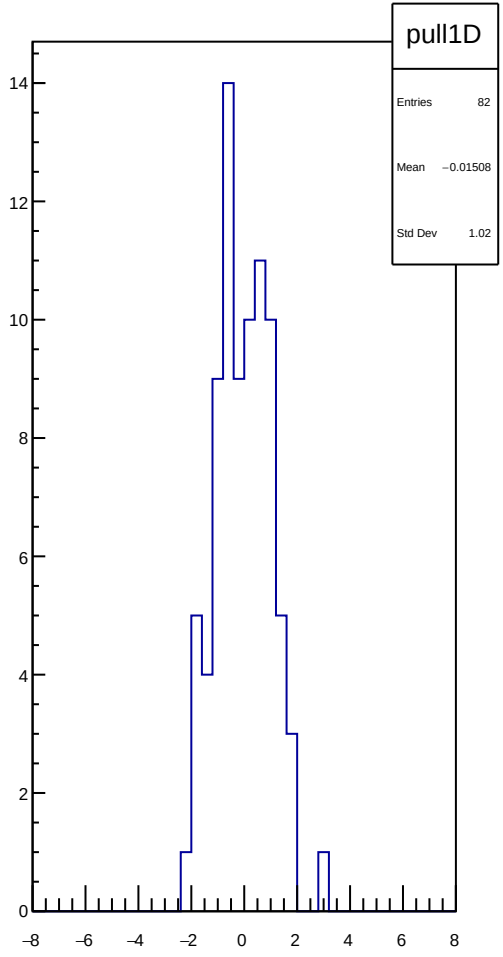

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2704 / 81
p0 152.1 ± 0.1215
170
165
160
155
150
145
140

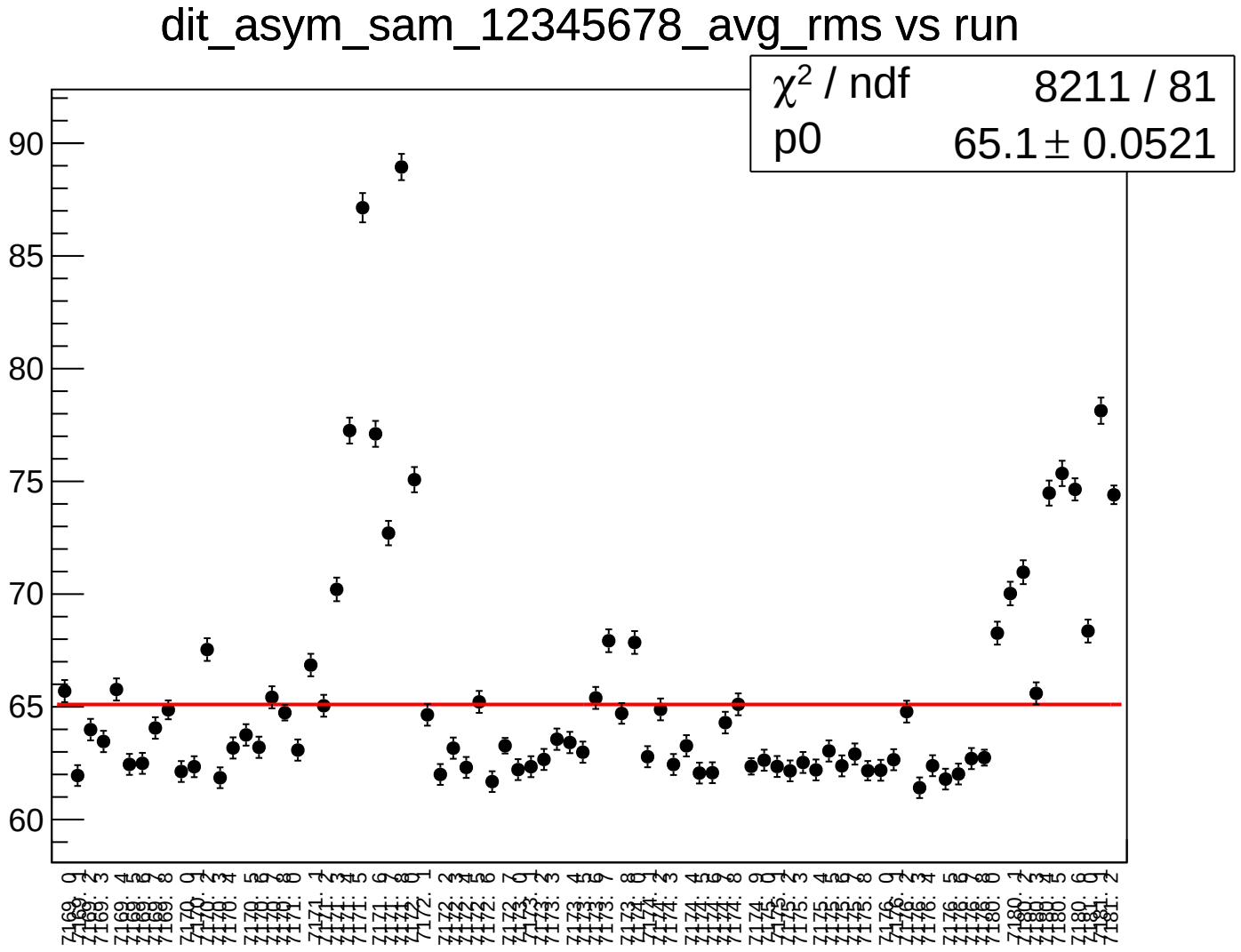

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 88.42 / 81
p0 2.222 ± 172.1
6000
4000
2000
0
−2000
−4000
pull
Entries 82
Mean 3960
Std Dev 3931
3
2
1
0
−1
−2

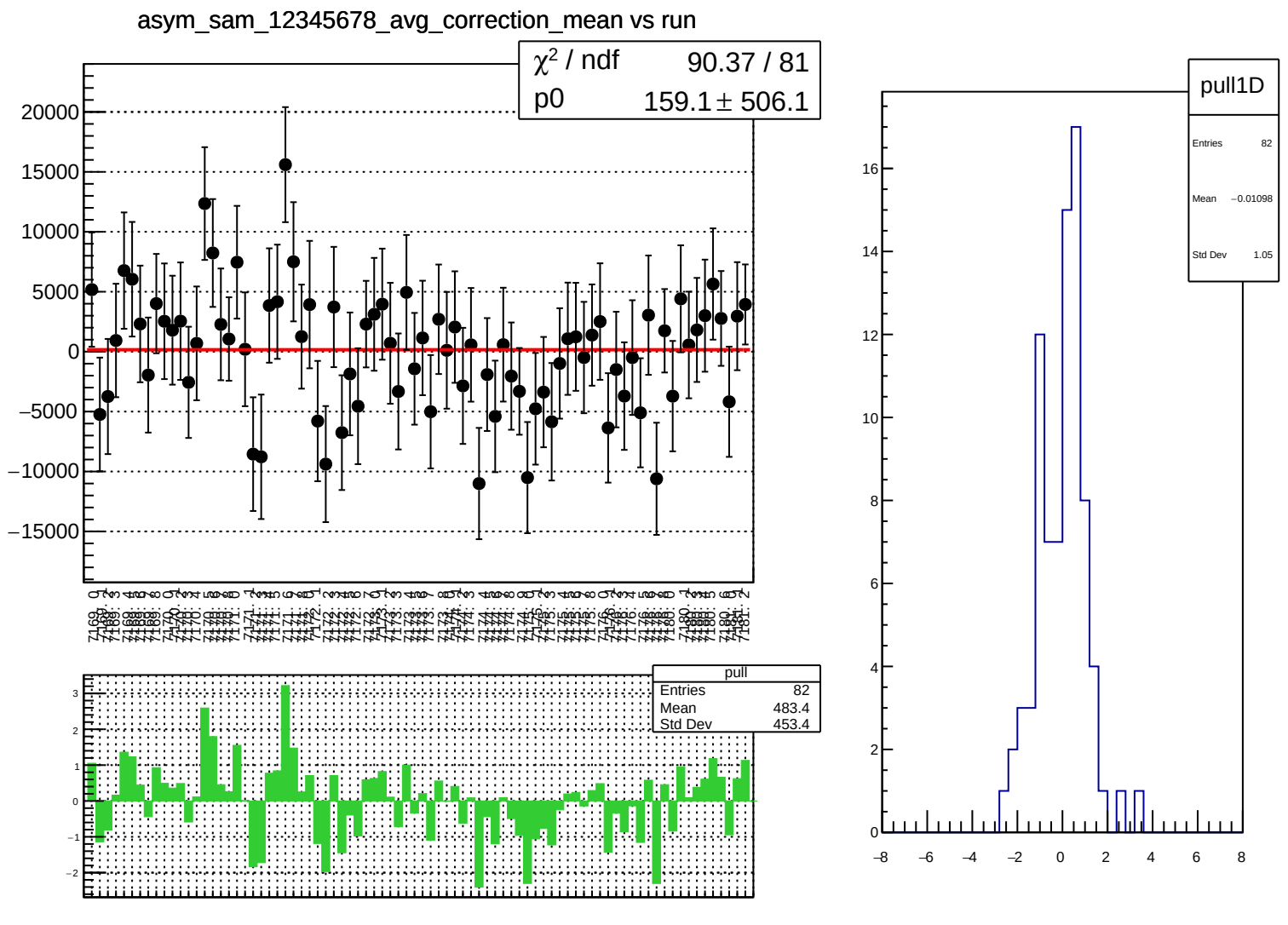

pull1D
Entries 82
Mean −0.0009787
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

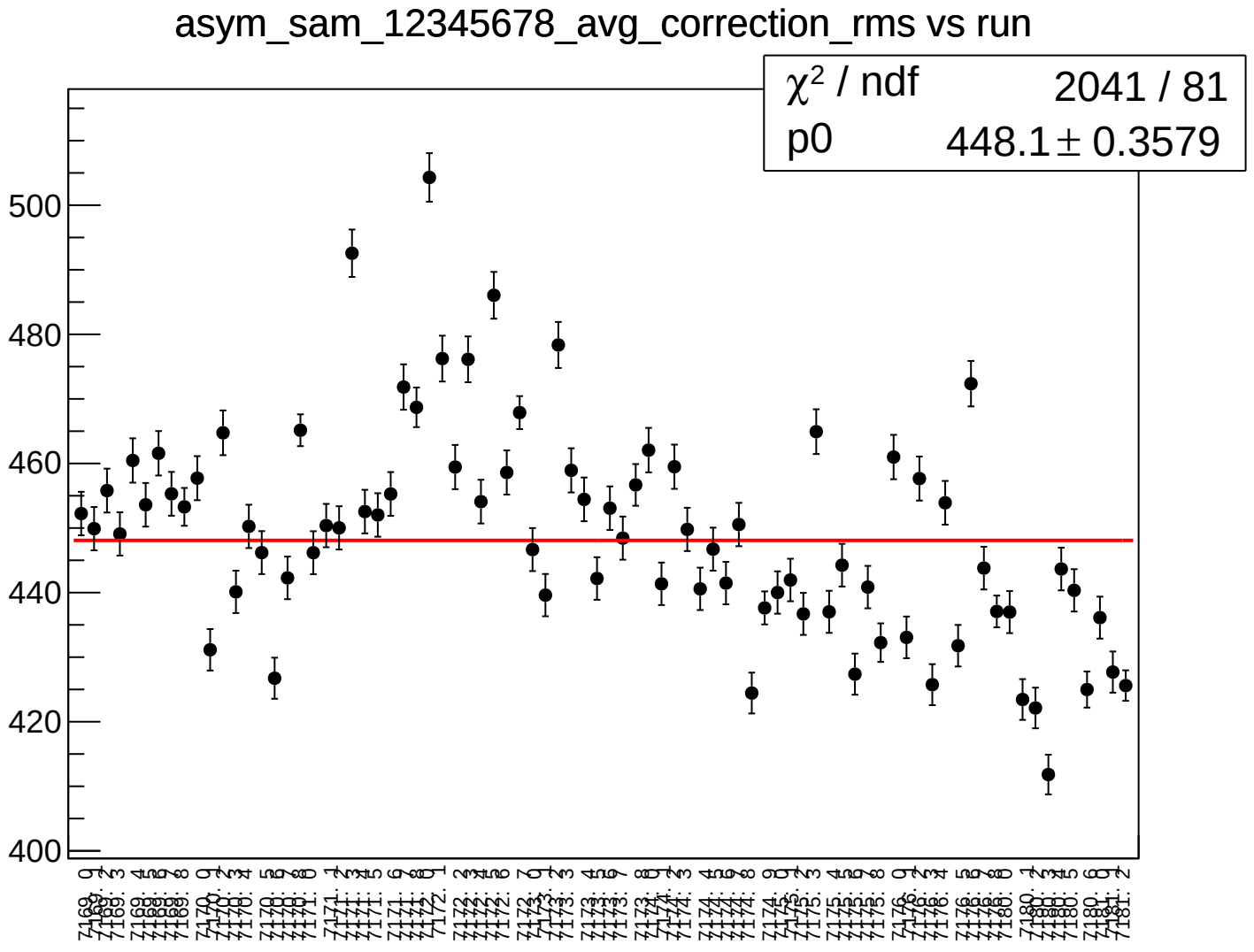

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3357 / 81
p0 152.3 ± 0.1217
180
175
170
165
160
155
150
145
140
135

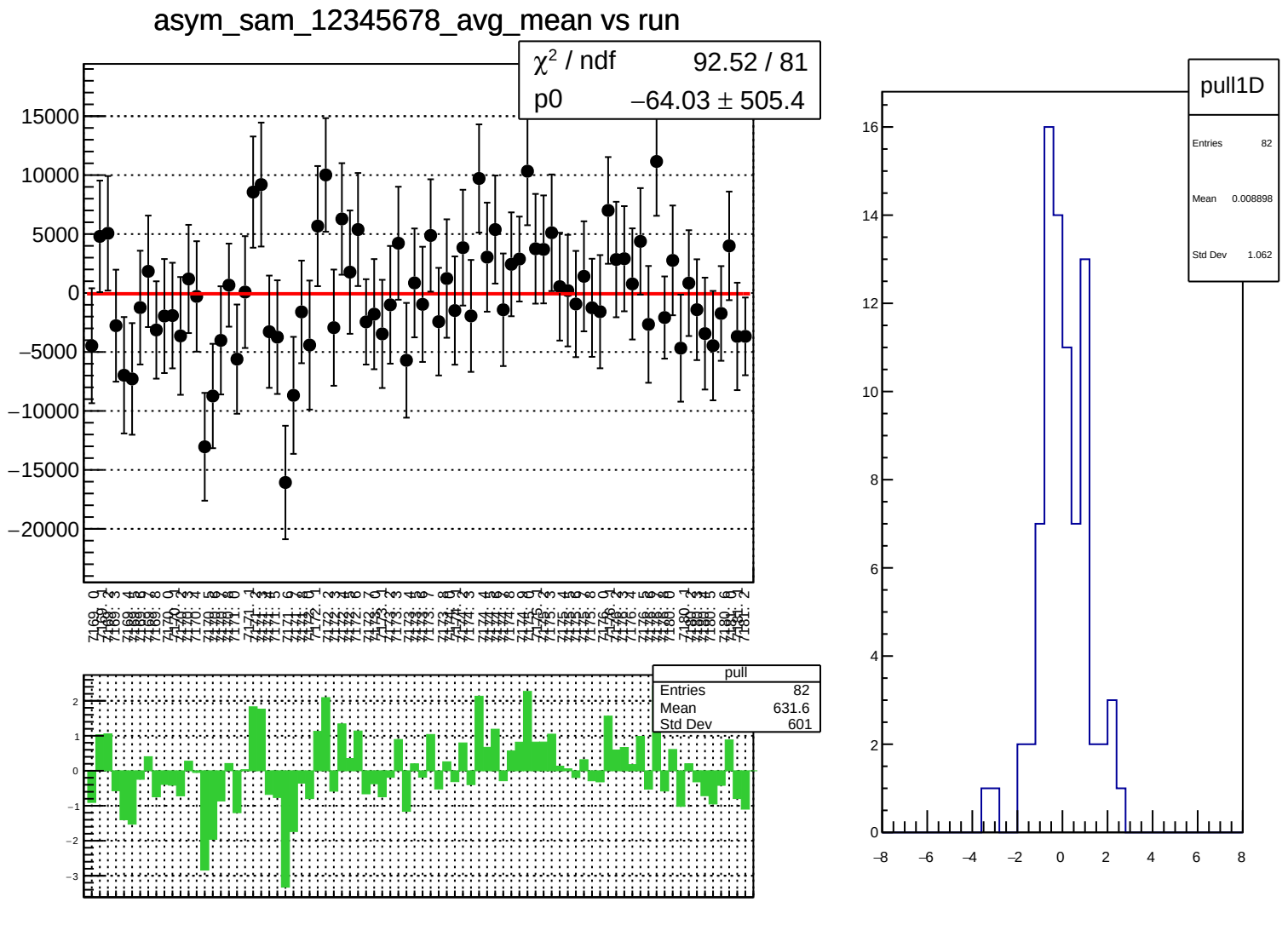

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 85.37 / 81
p0 66.24 ± 73.68
2000
1000
0
−1000
−2000
pull
Entries 82
Mean −61.63
Std Dev 97.37
3
2
1
0
−1
−2

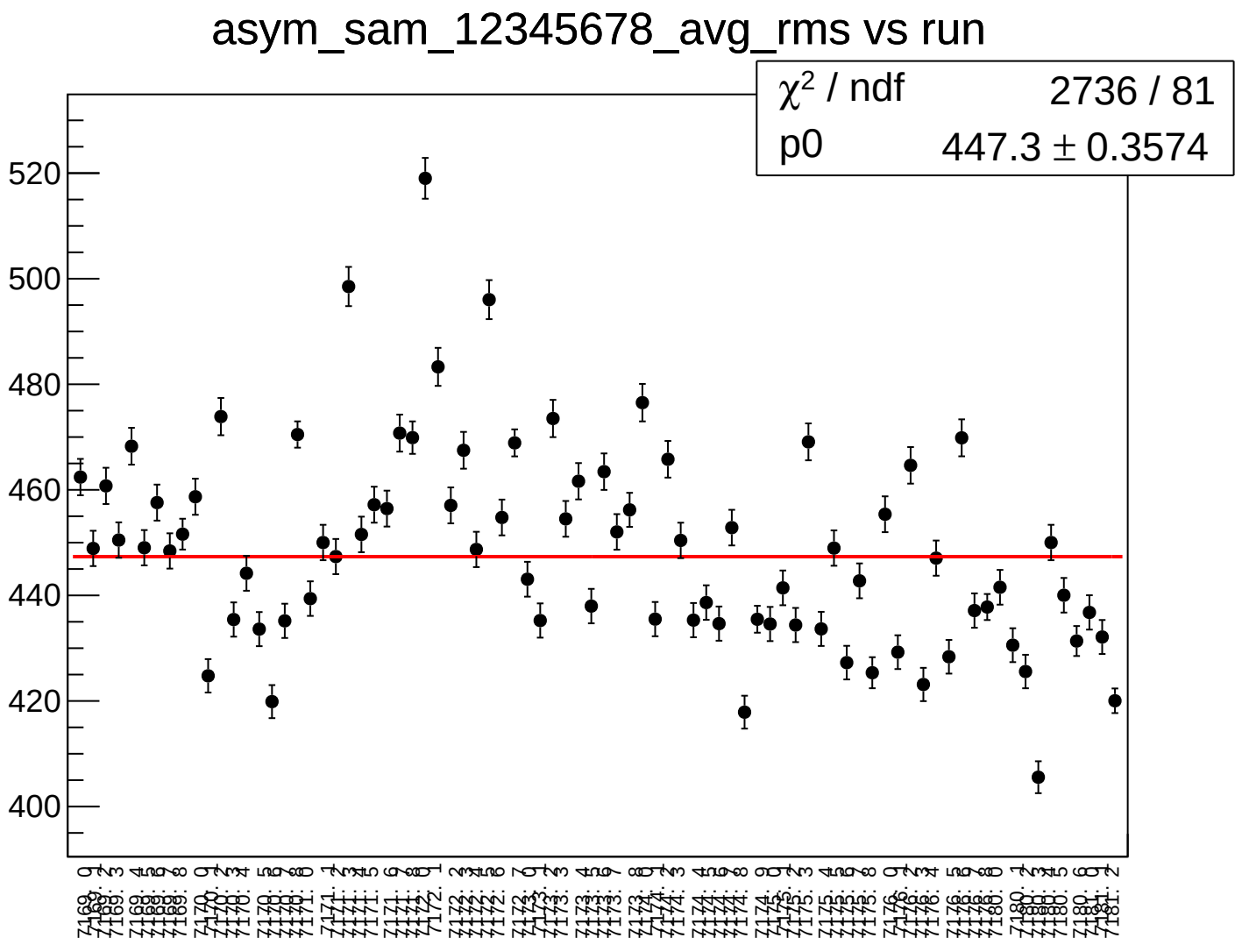

pull1D
Entries 82
Mean −0.01508
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

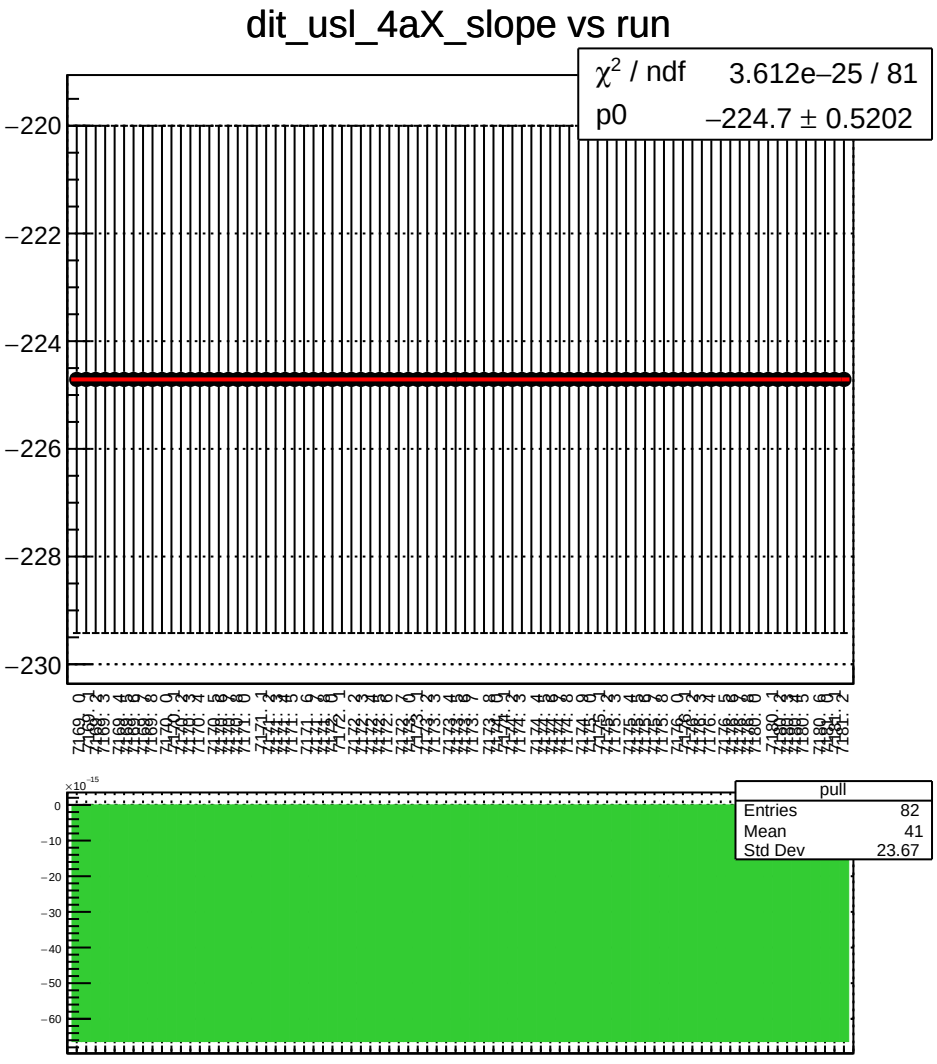

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8211 / 81
p0 65.1 ± 0.0521
90
85
80
75
70
65
60

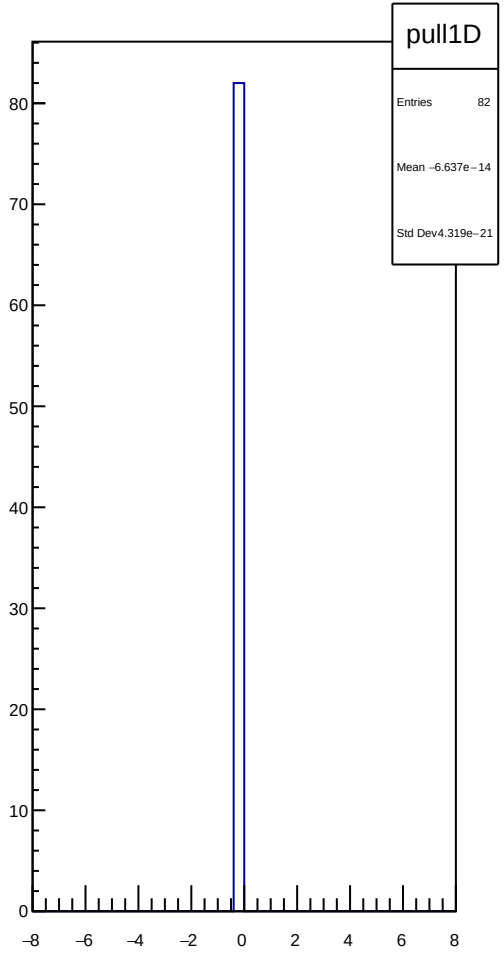

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 90.37 / 81
p0 159.1 ± 506.1
pull
Entries 82
Mean 483.4
Std Dev 453.4
pull1D
Entries 82
Mean −0.01098
Std Dev 1.05

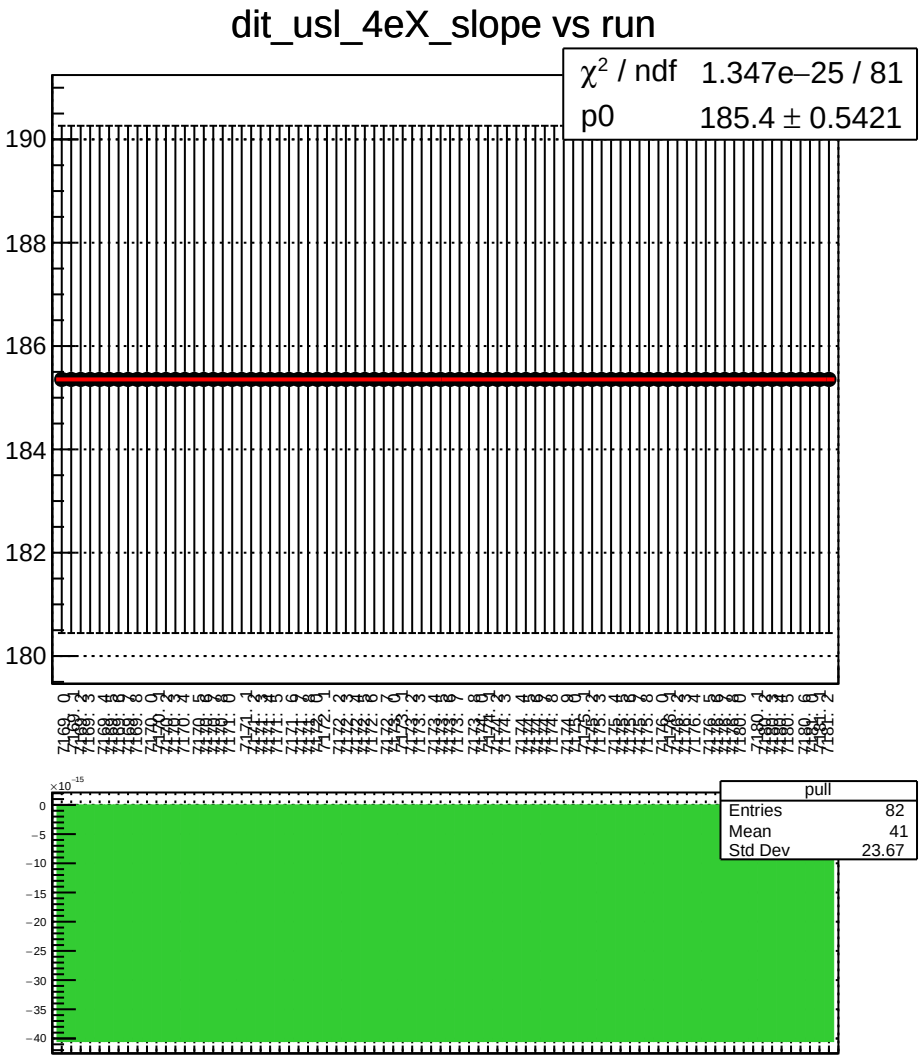

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2041 / 81
p0 448.1 ± 0.3579
500
480
460
440
420
400

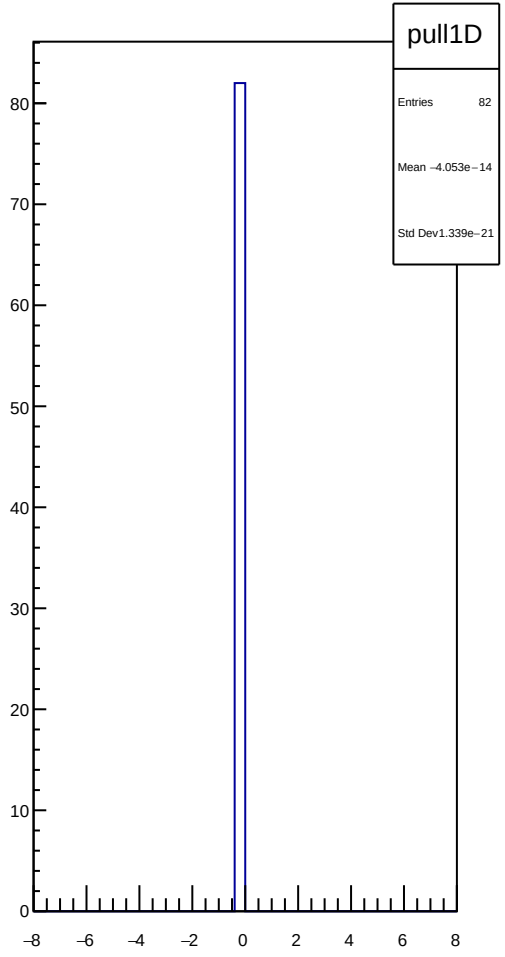

asym_sam_12345678_avg_mean vs run
χ² / ndf 92.52 / 81
p0 −64.03 ± 505.4
pull
Entries 82
Mean 631.6
Std Dev 601
pull1D
Entries 82
Mean 0.008898
Std Dev 1.062


asym_sam_12345678_avg_rms vs run
χ^2 / ndf 2736 / 81
p0 447.3 ± 0.3574
520
500
480
460
440
420
400

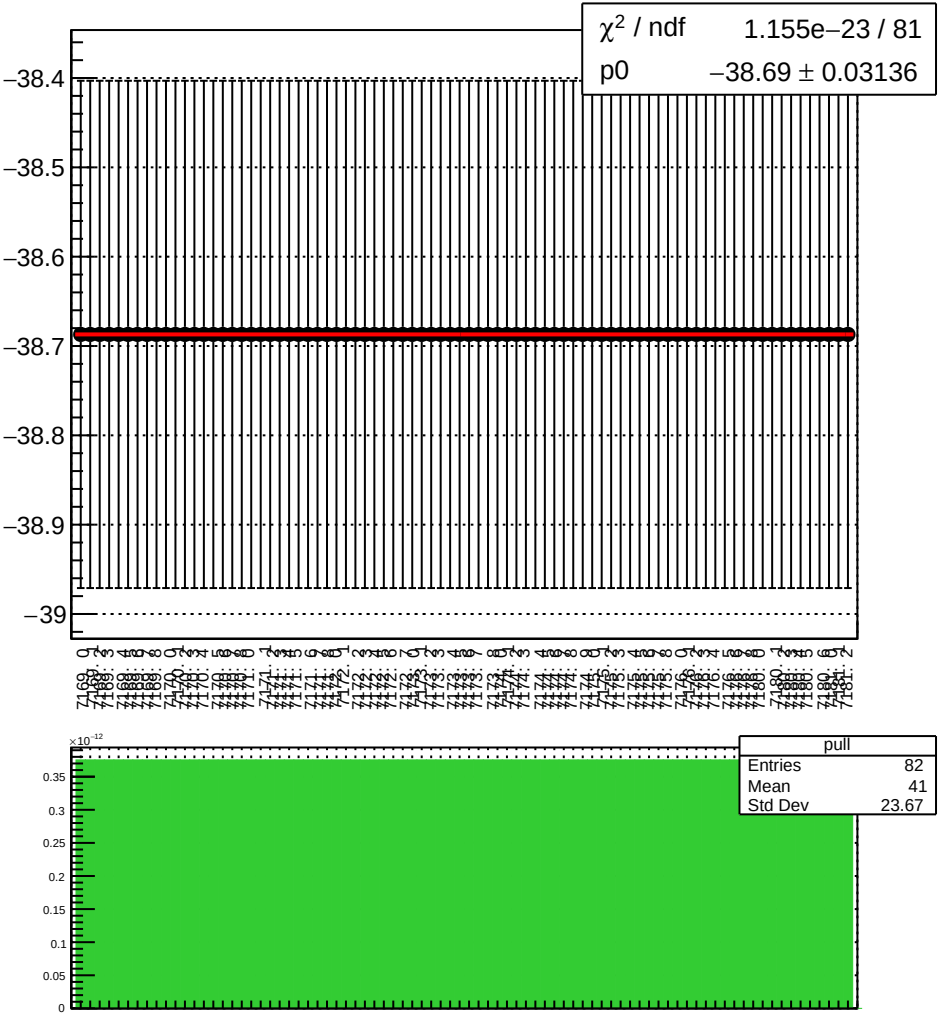

dit_usl_4aX_slope vs run
χ² / ndf 3.612e−25 / 81
p0 −224.7 ± 0.5202
−220
−222
−224
−226
−228
−230
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

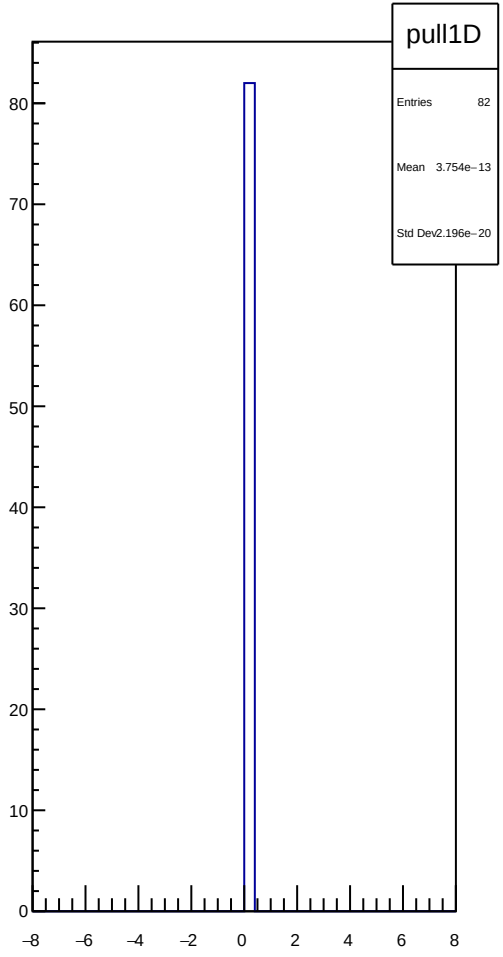

pull1D
Entries 82
Mean −6.637e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

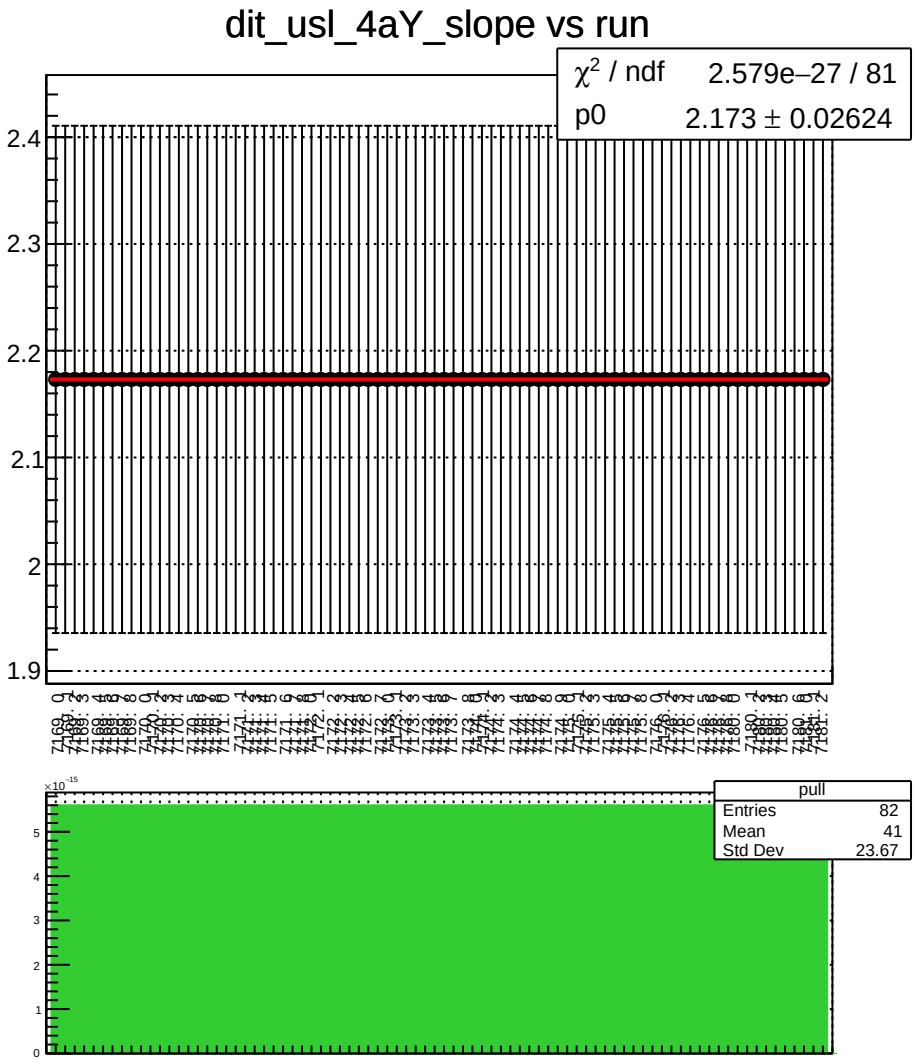

dit_usl_4eX_slope vs run
χ² / ndf 1.347e−25 / 81
p0 185.4 ± 0.5421
190
188
186
184
182
180
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 82
Mean 41
Std Dev 23.67

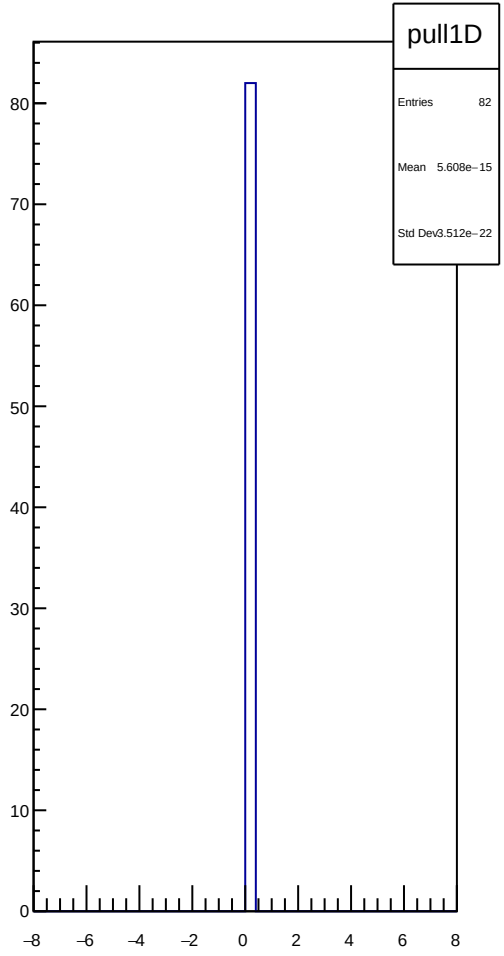

pull1D
Entries 82
Mean −4.053e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

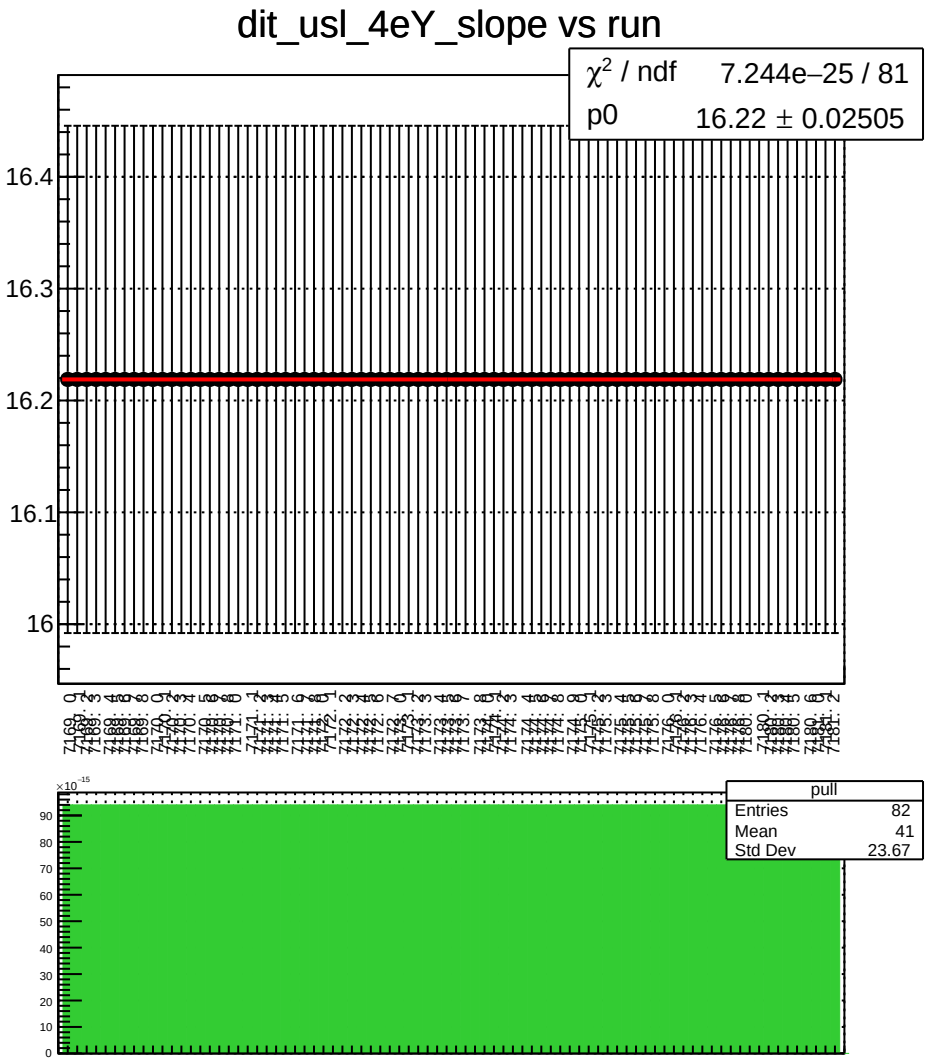
dit_usl_11X12X_slope vs run

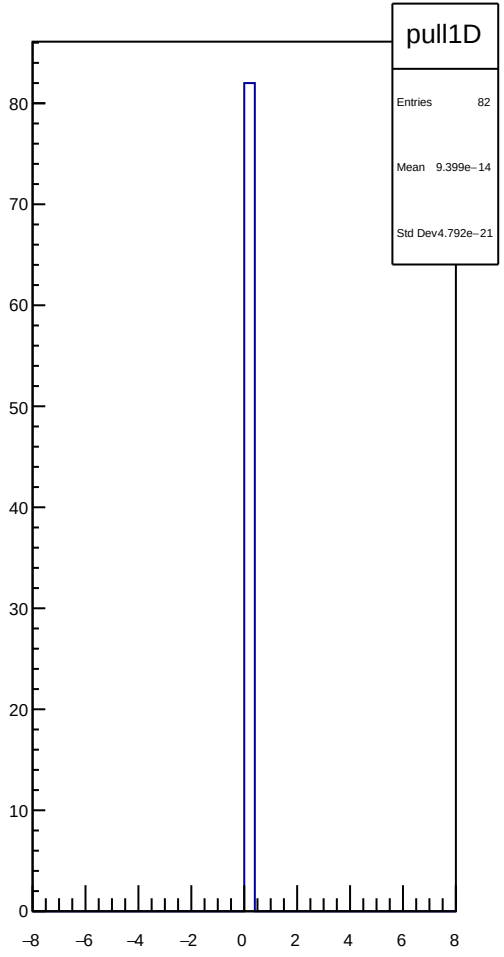




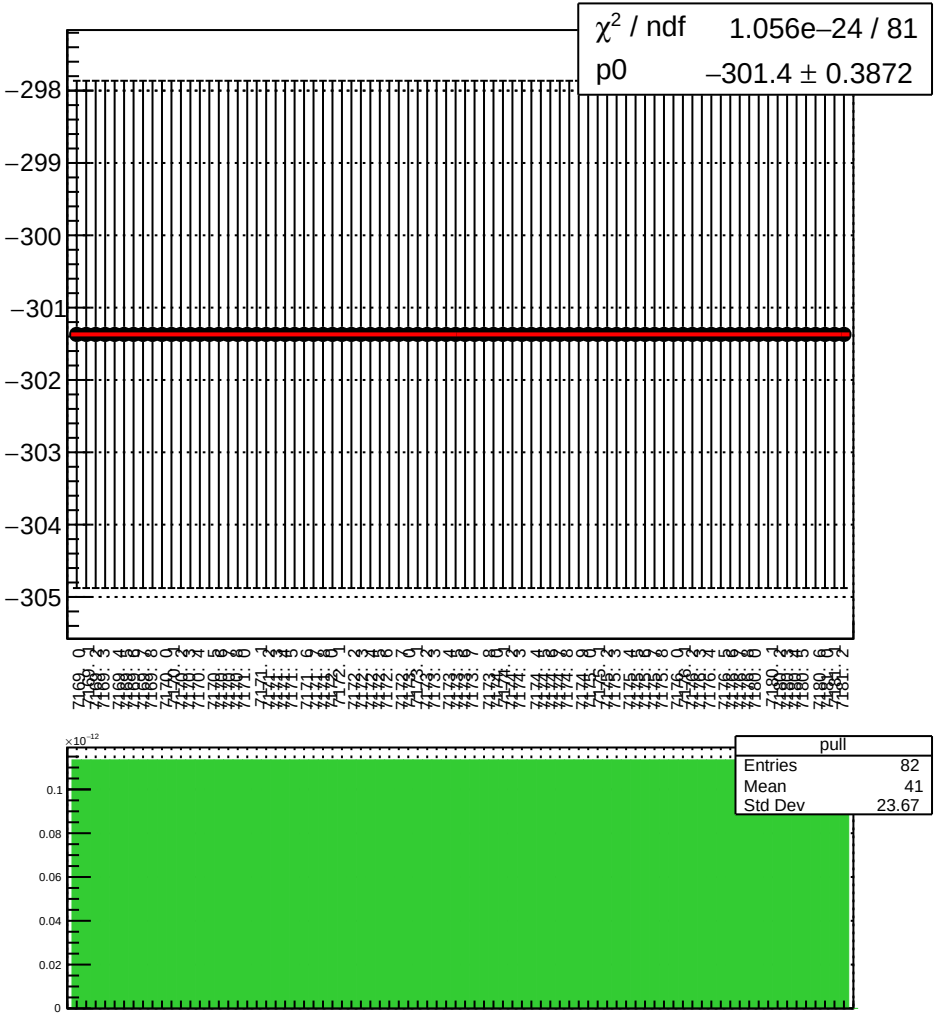

dit_usl_4aY_slope vs run
χ^2 / ndf 2.579e−27 / 81
p0 2.173 ± 0.02624
2.4
2.3
2.2
2.1
2
1.9
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
5
4
3
2
1
0

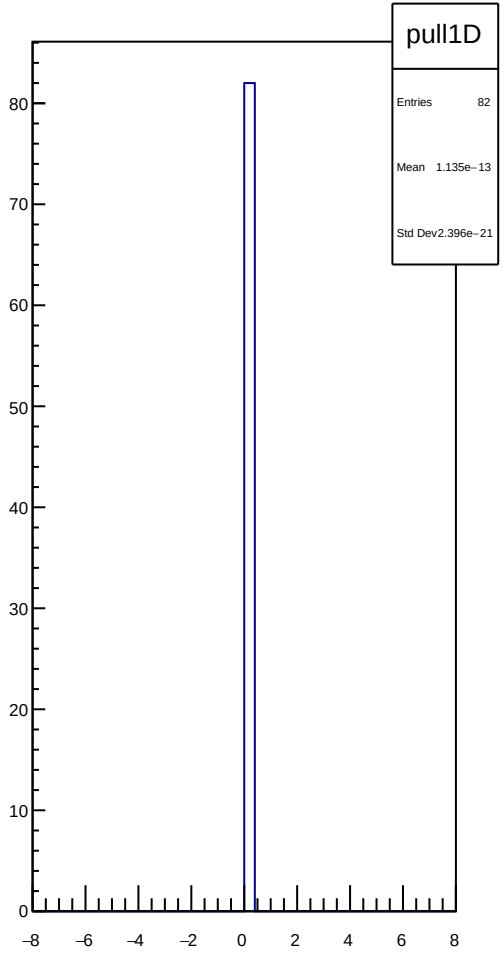

pull1D
Entries 82
Mean 5.608e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

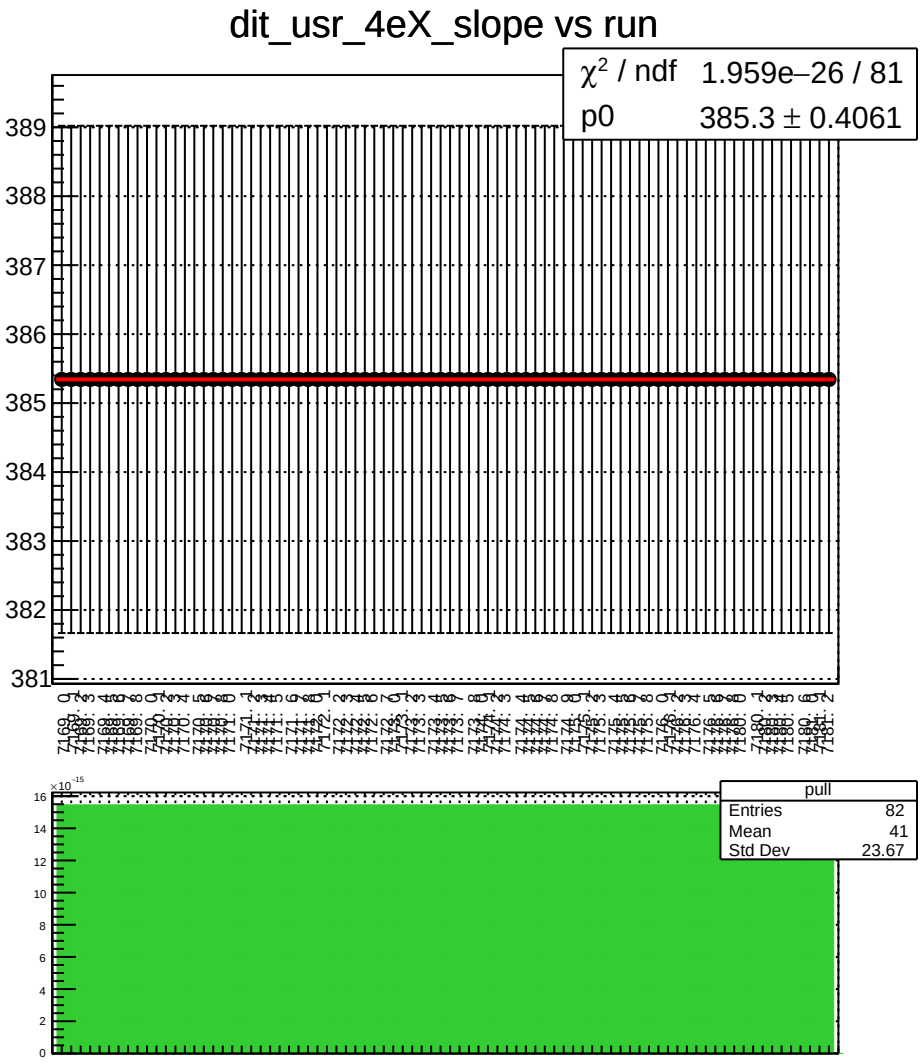

dit_usl_4eY_slope vs run
χ² / ndf 7.244e−25 / 81
p0 16.22 ± 0.02505
16.4
16.3
16.2
16.1
16
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

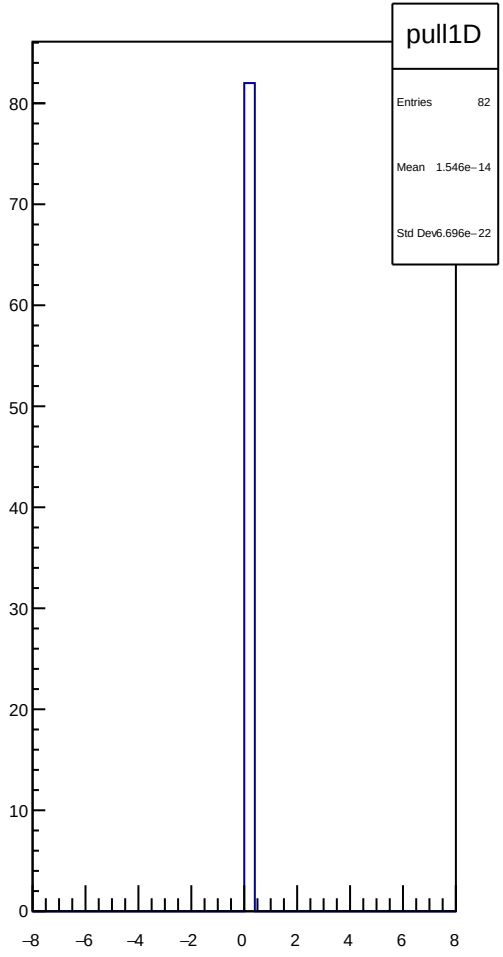

pull1D
Entries 82
Mean 9.399e−14
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run

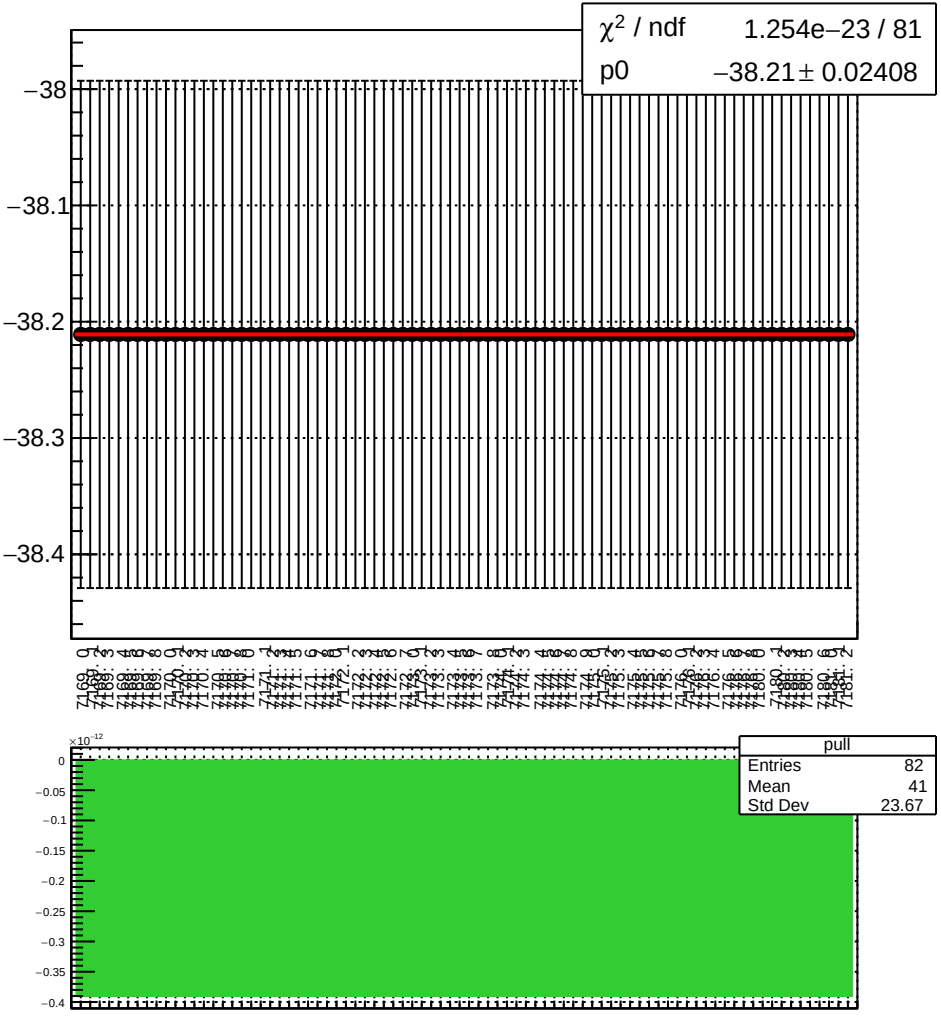


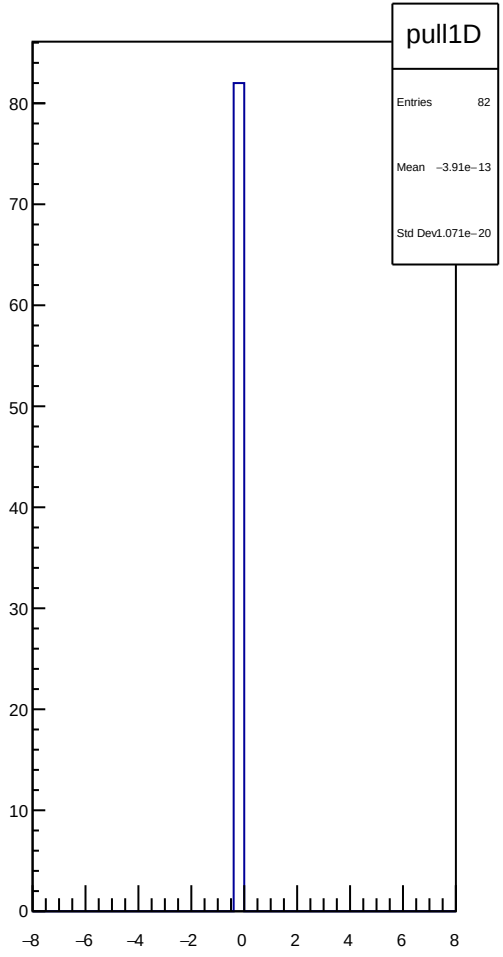


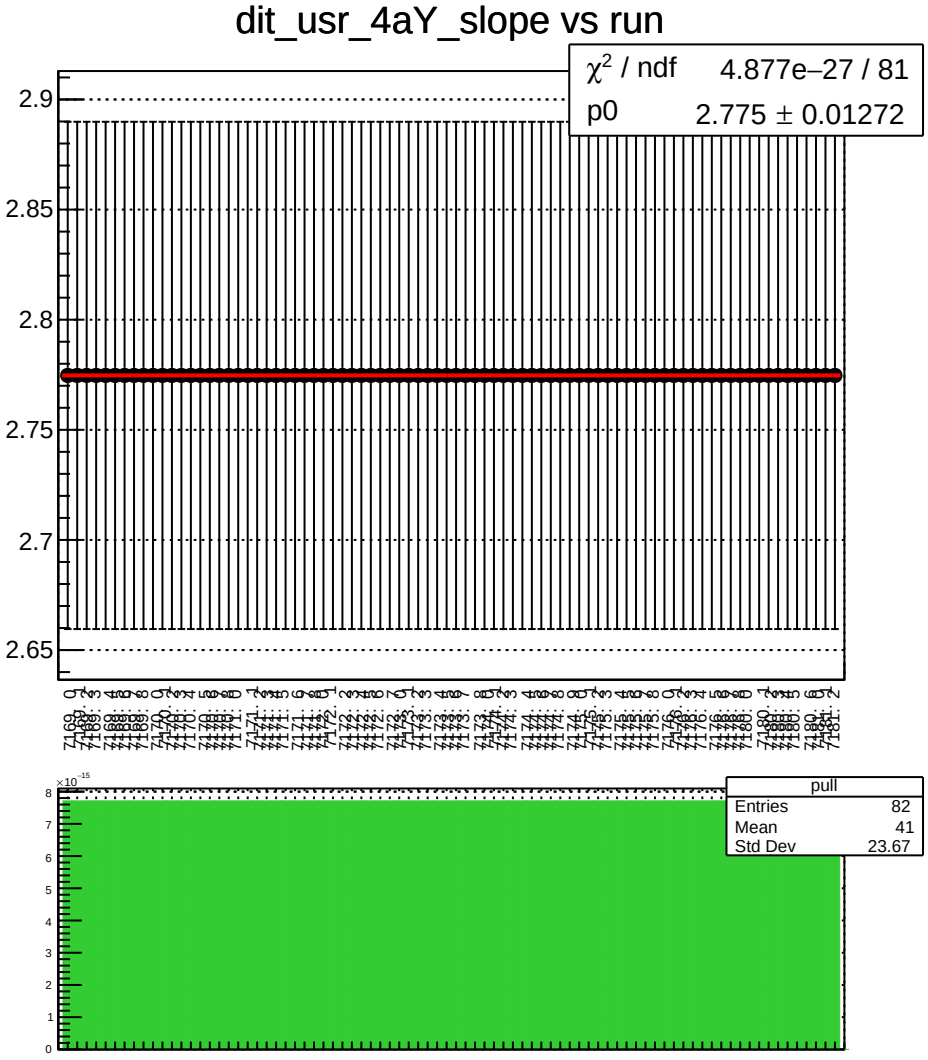

dit_usr_4eX_slope vs run
χ² / ndf 1.959e−26 / 81
p0 385.3 ± 0.4061
389
388
387
386
385
384
383
382
381
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

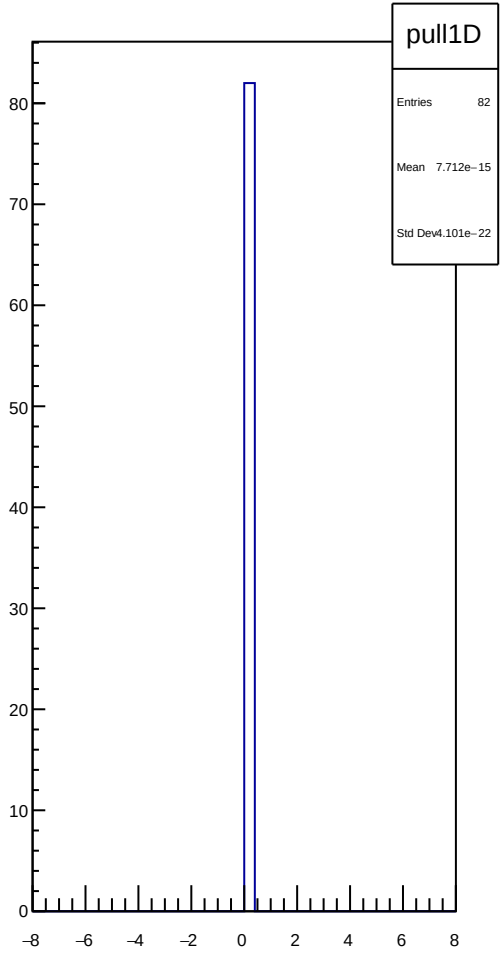

pull1D
Entries 82
Mean 1.546e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

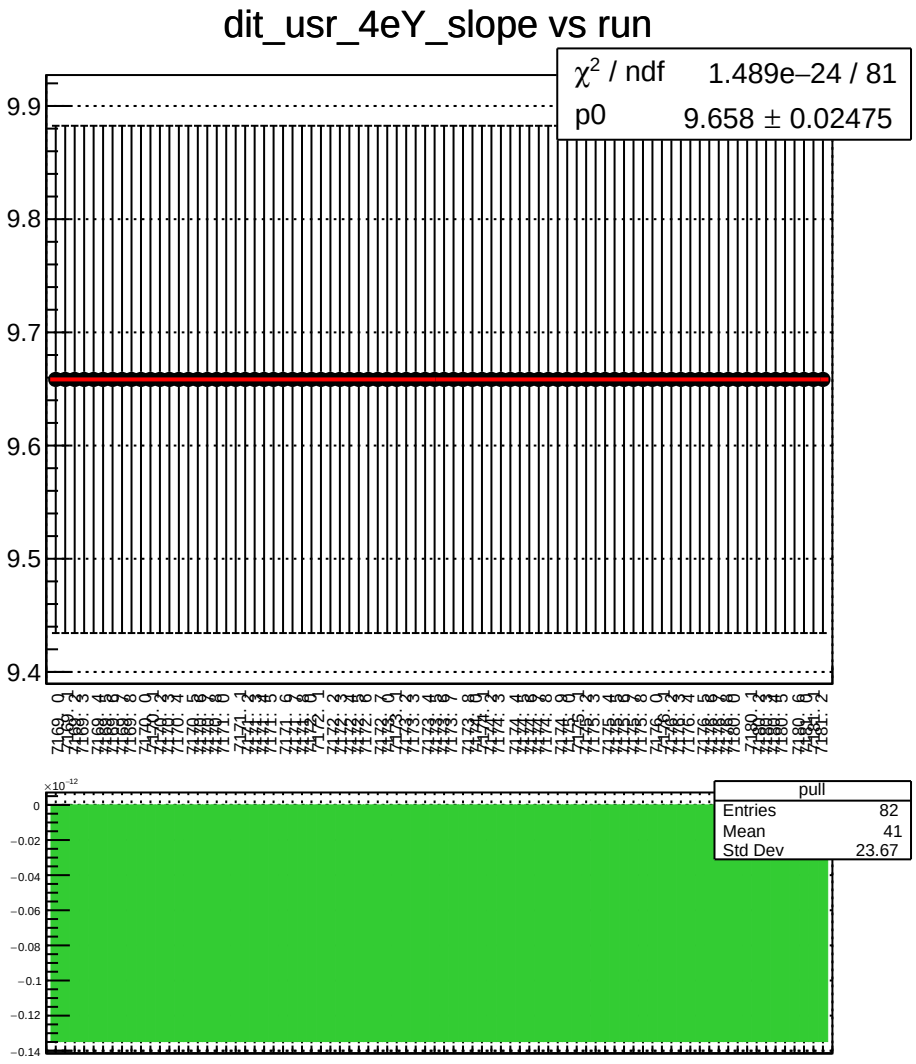
dit_usr_11X12X_slope vs run

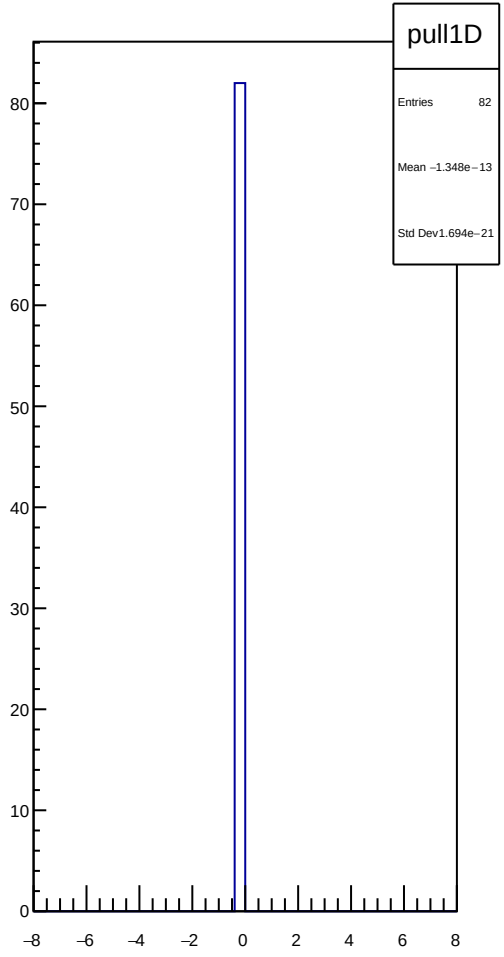


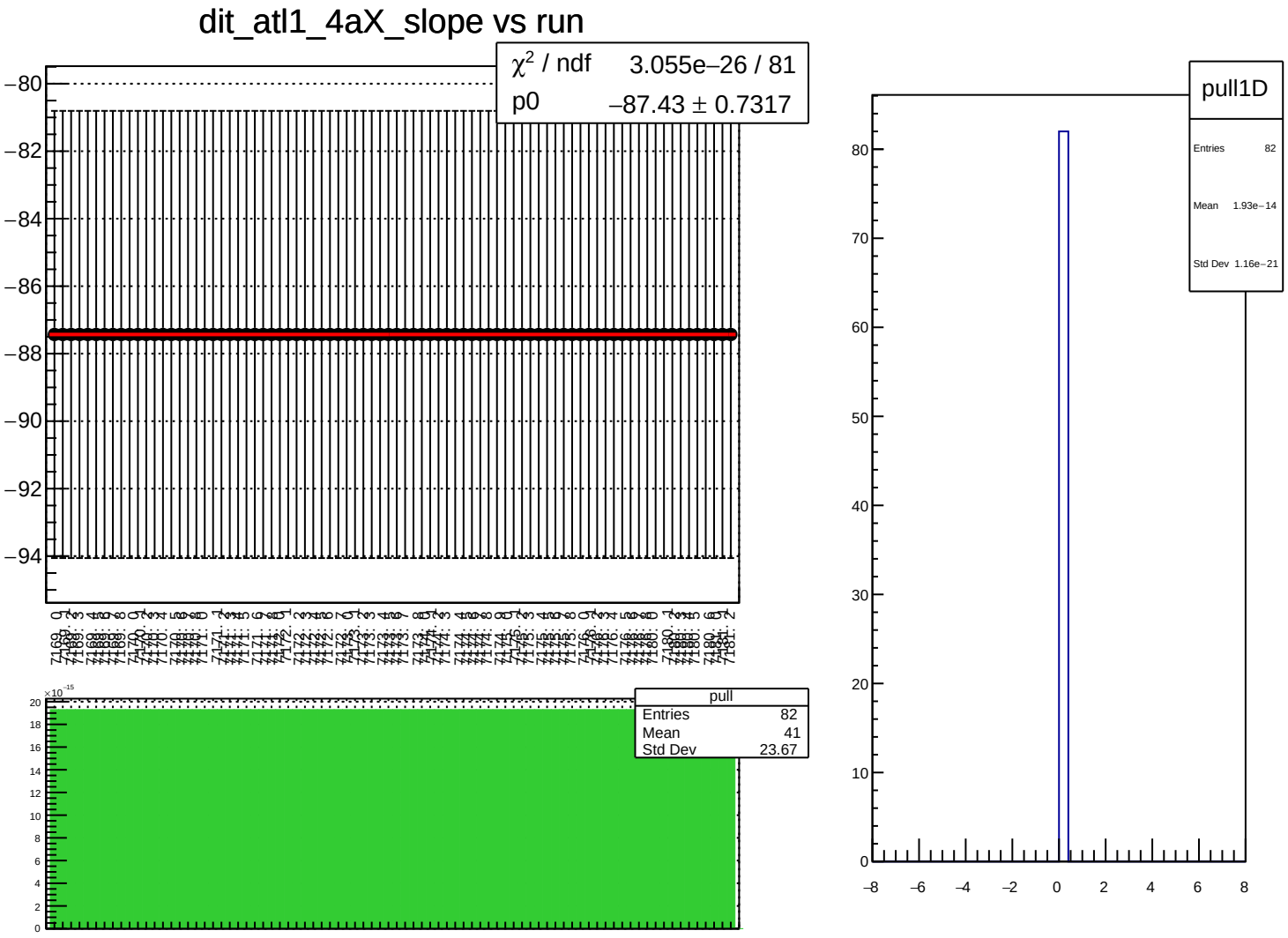



dit_usr_4aY_slope vs run
χ^2 / ndf 4.877e−27 / 81
p0 2.775 ± 0.01272
2.9
2.85
2.8
2.75
2.7
2.65
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
8
7
6
5
4
3
2
1
0

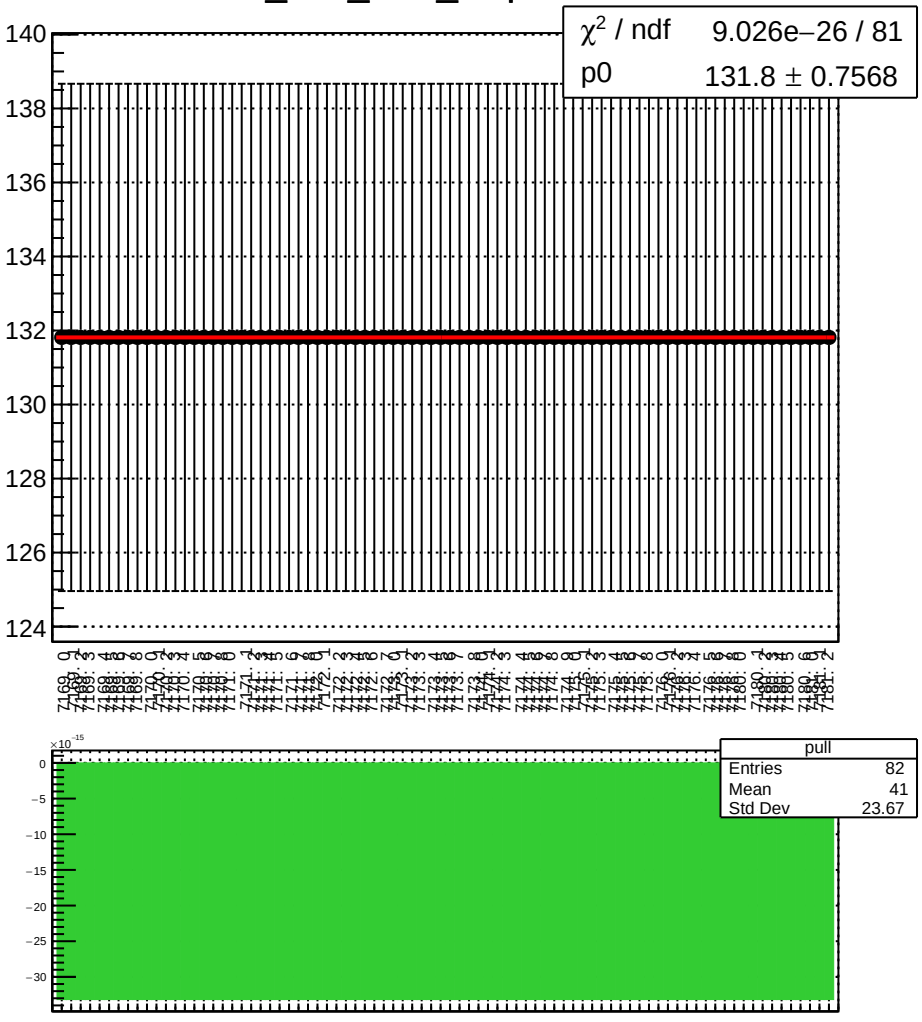

pull1D
Entries 82
Mean 7.712e−15
Std Dev 4.101e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

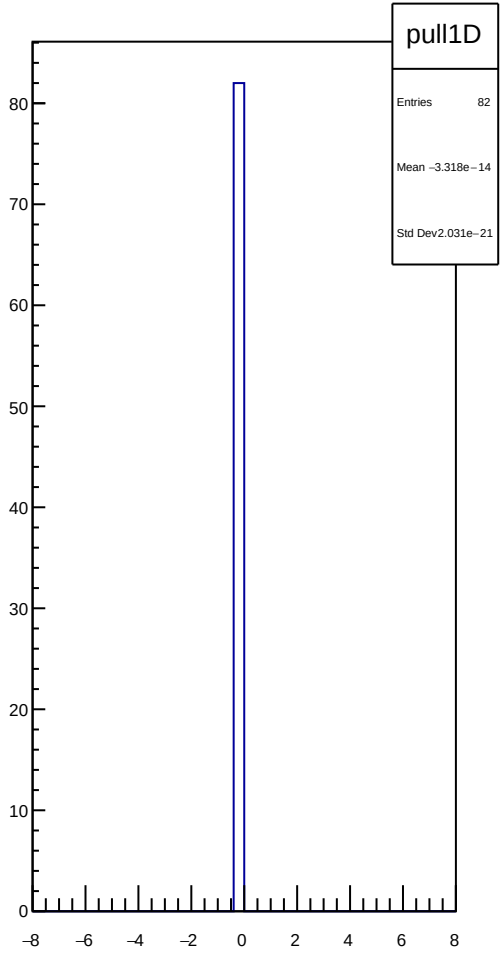

dit_usr_4eY_slope vs run
χ^2 / ndf 1.489e−24 / 81
p0 9.658 ± 0.02475
9.9
9.8
9.7
9.6
9.5
9.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14


pull1D
Entries 82
Mean −1.348e−13
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

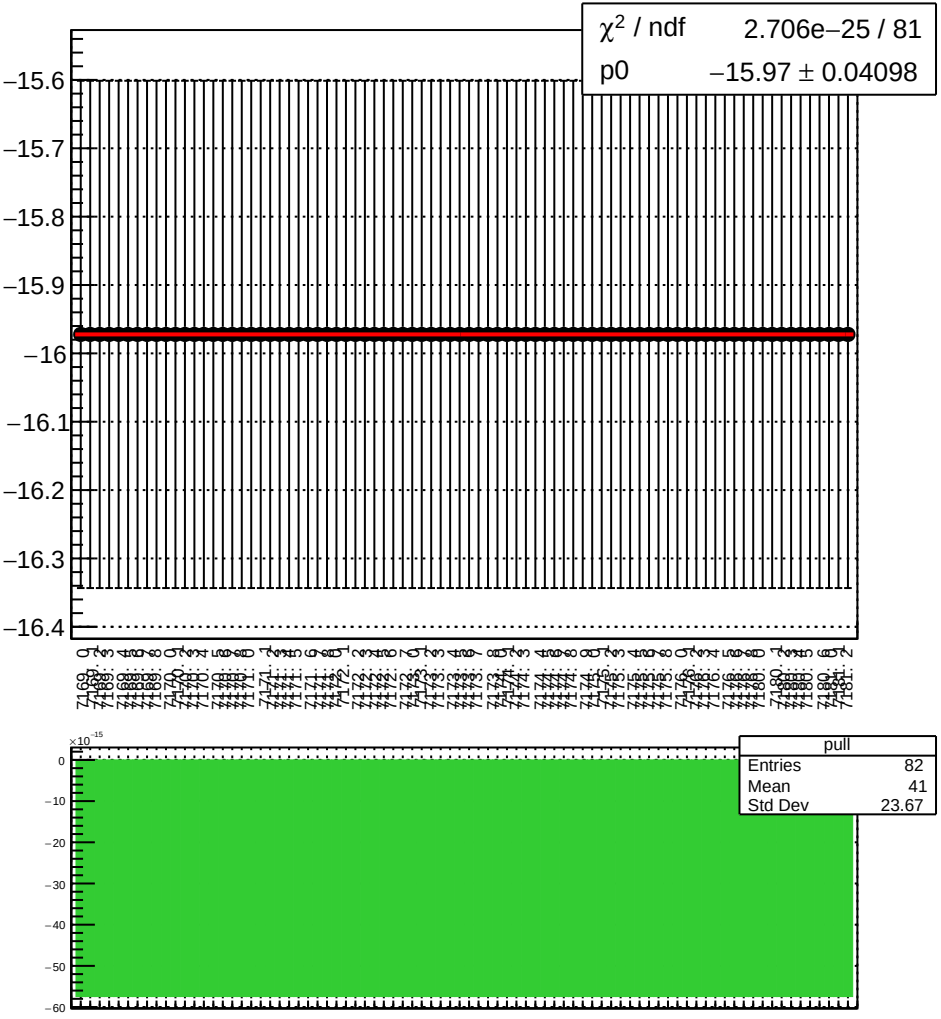

dit_atl1_4aX_slope vs run
χ² / ndf 3.055e−26 / 81
p0 −87.43 ± 0.7317
pull
Entries 82
Mean 41
Std Dev 23.67
pull1D
Entries 82
Mean 1.93e−14
Std Dev 1.16e−21

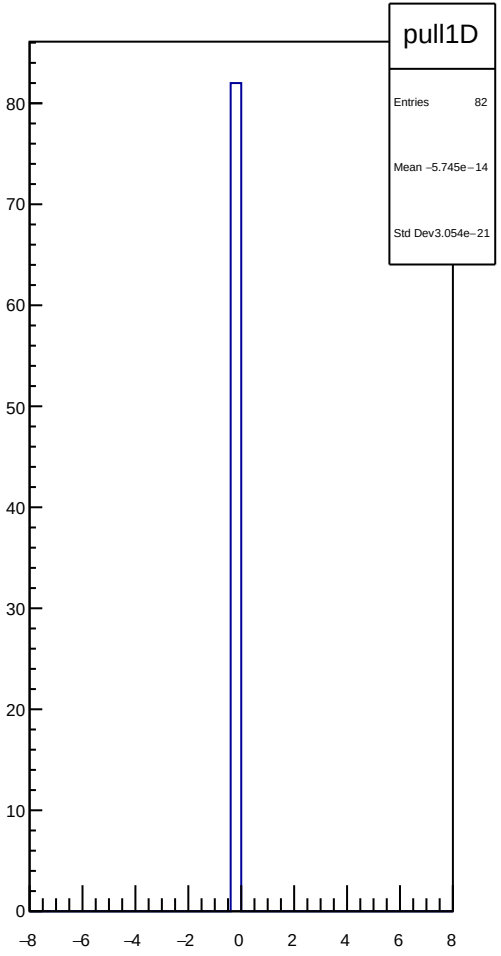
dit_atl1_4eX_slope vs run

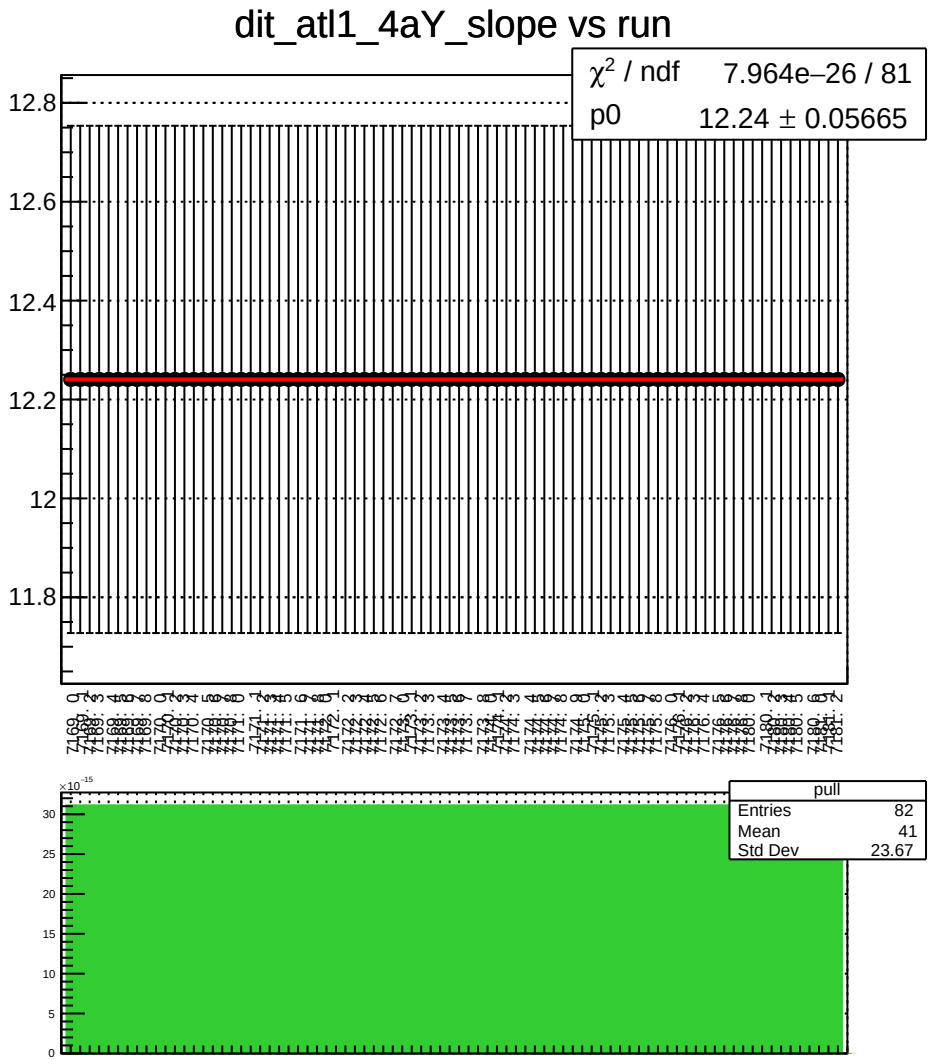


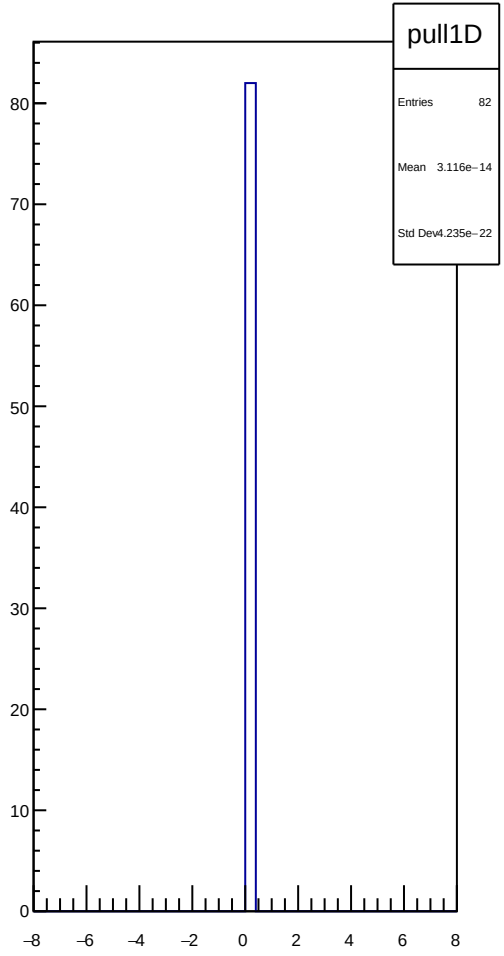


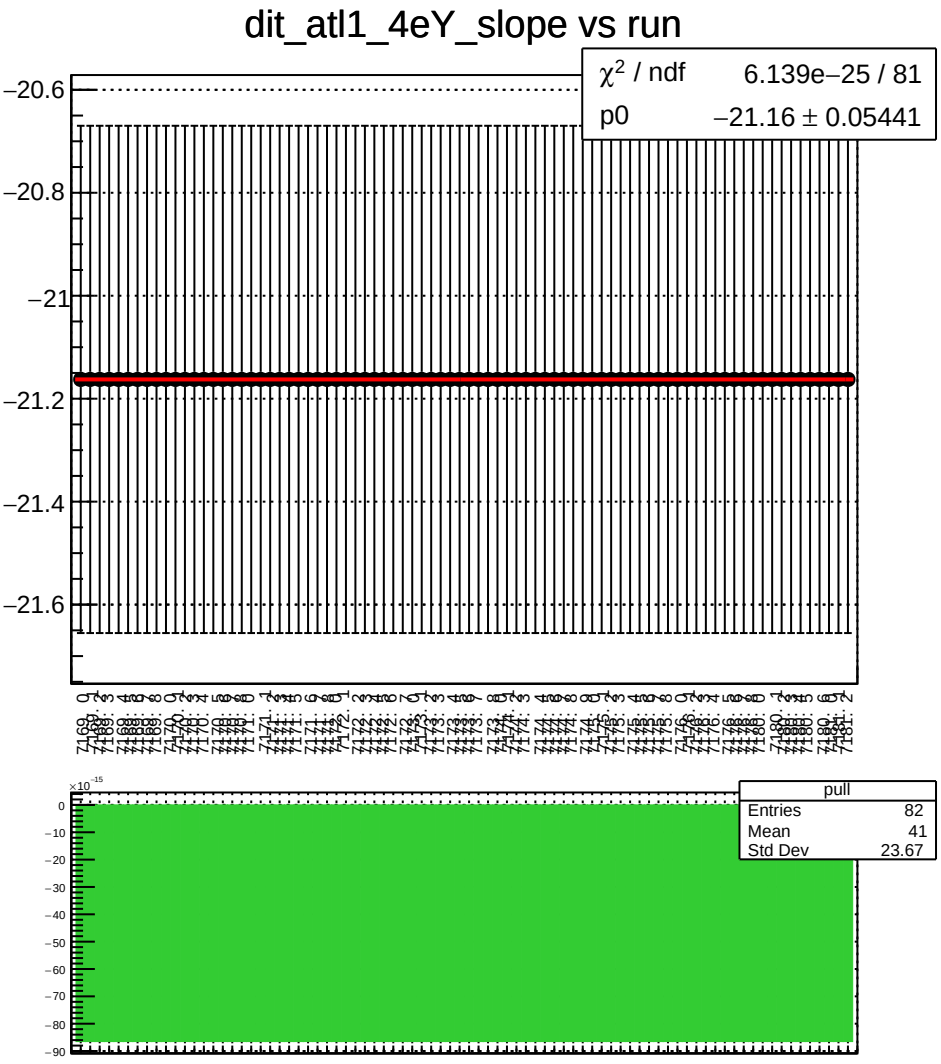
dit_atl1_11X12X_slope vs run

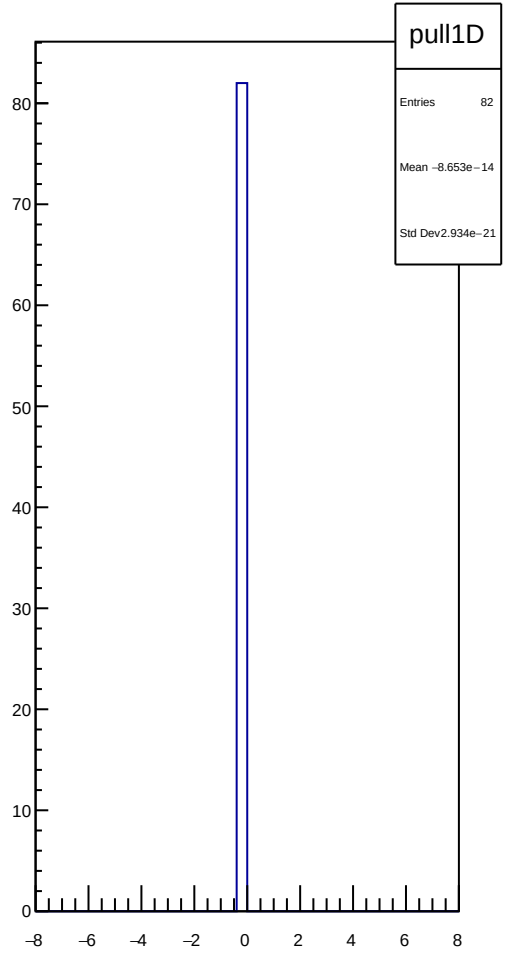


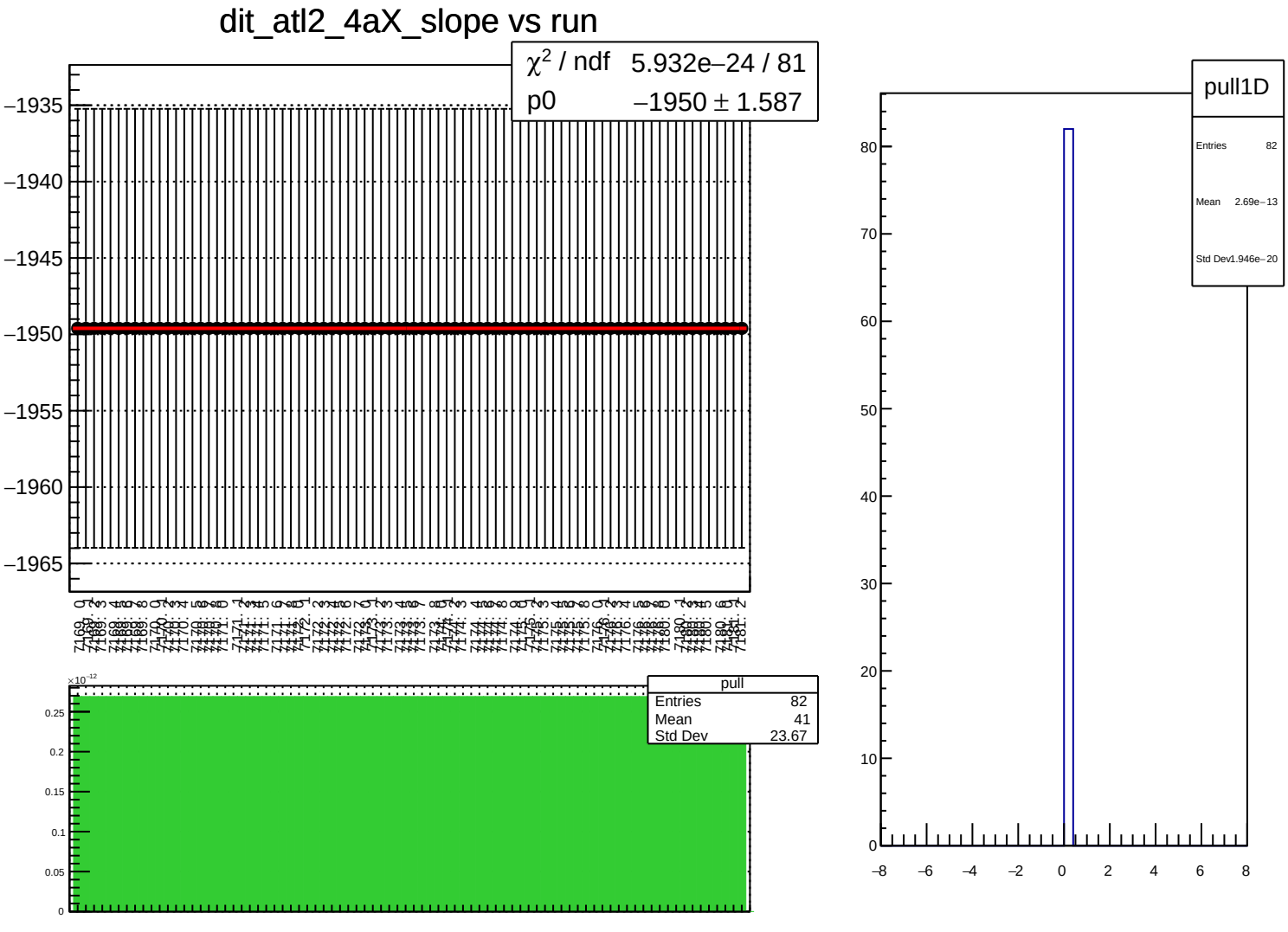


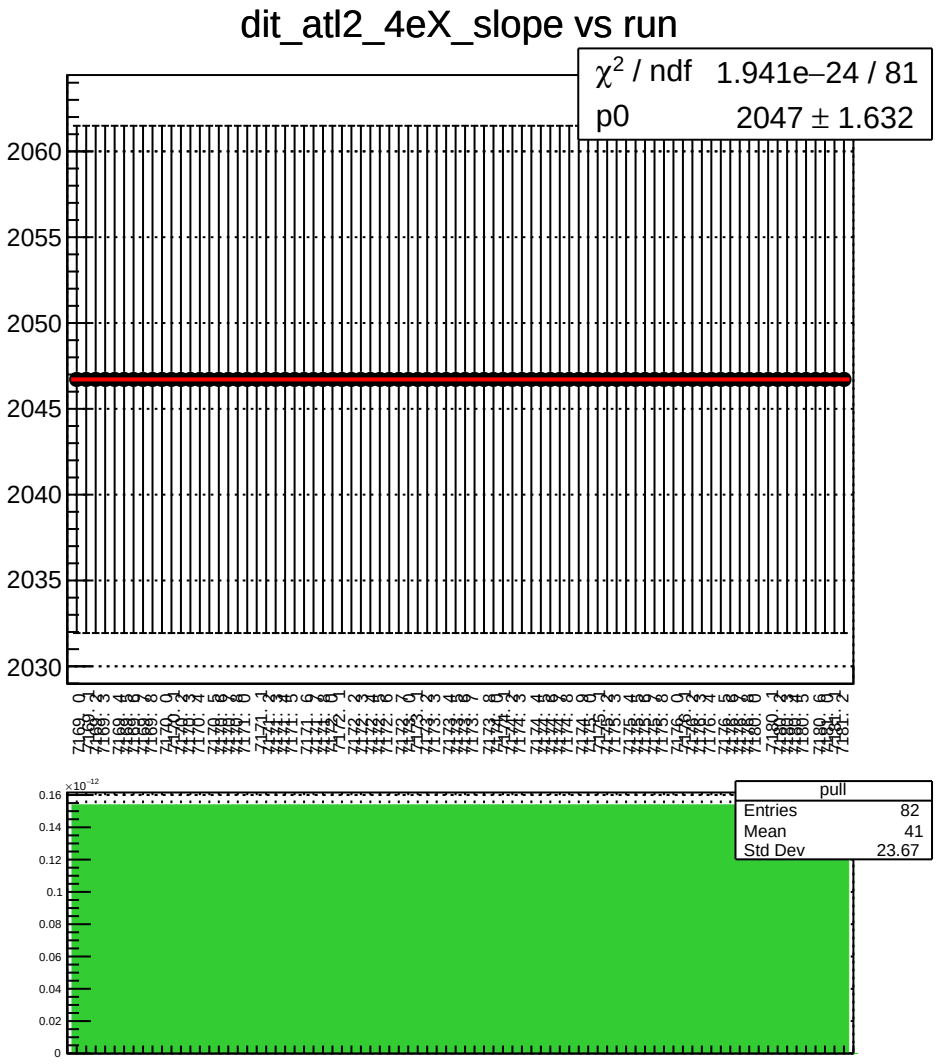

dit_atl1_4aY_slope vs run
χ^2 / ndf 7.964e−26 / 81
p0 12.24 ± 0.05665
12.8
12.6
12.4
12.2
12
11.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
30
25
20
15
10
5
0

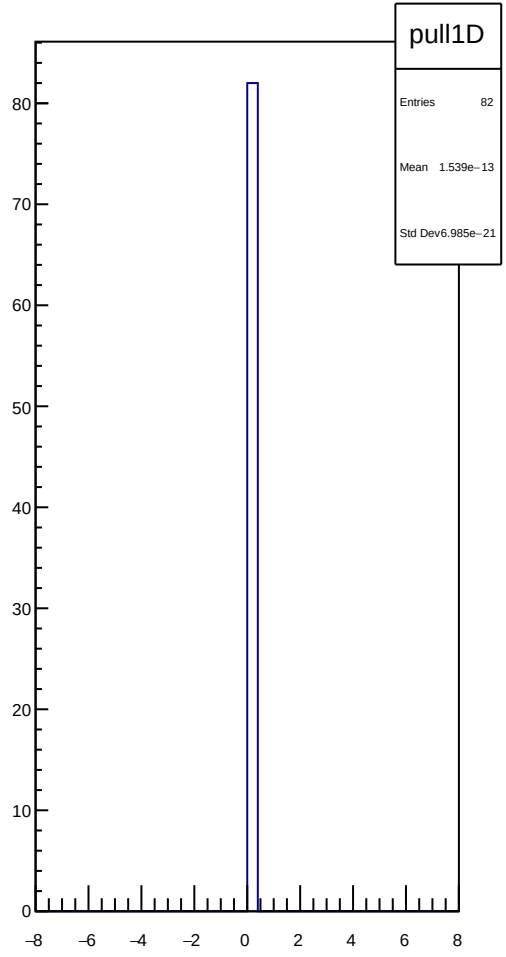

pull1D
Entries 82
Mean 3.116e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

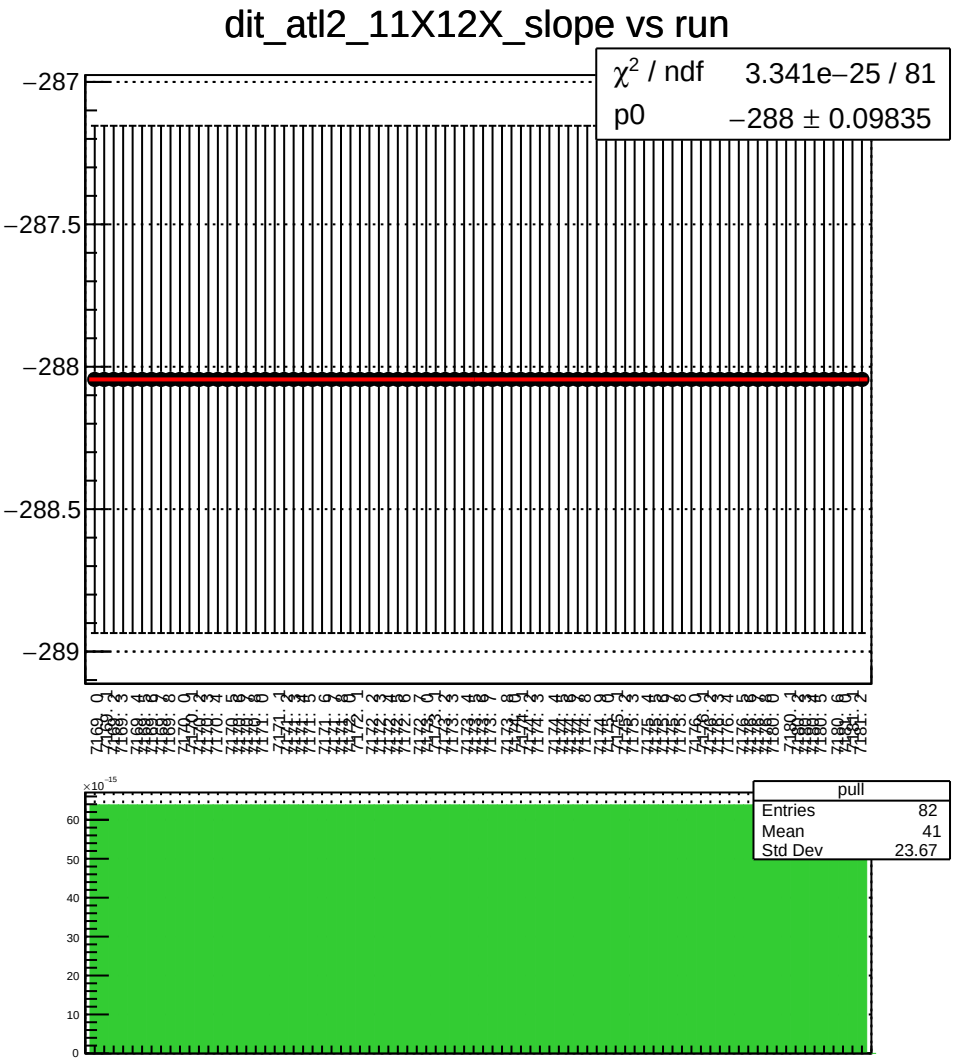

dit_atl1_4eY_slope vs run
χ² / ndf 6.139e−25 / 81
p0 −21.16 ± 0.05441
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90

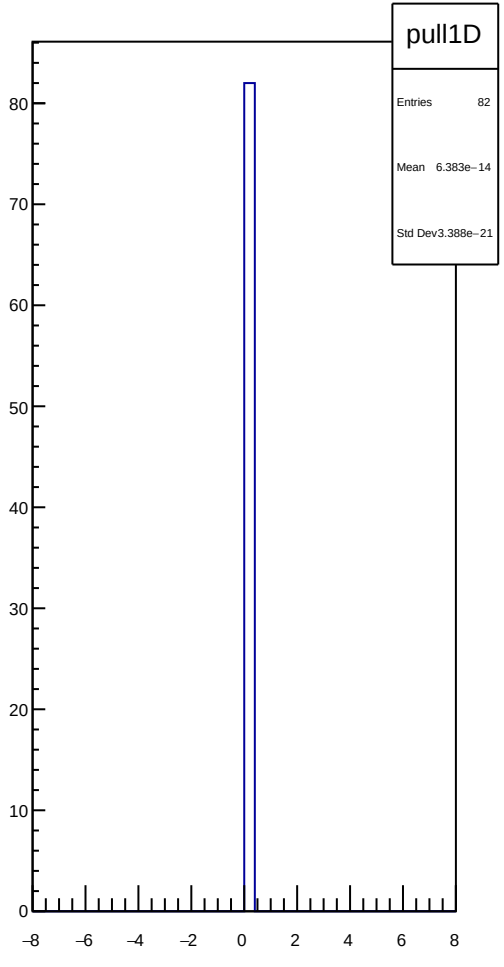

pull1D
Entries 82
Mean −8.653e−14
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

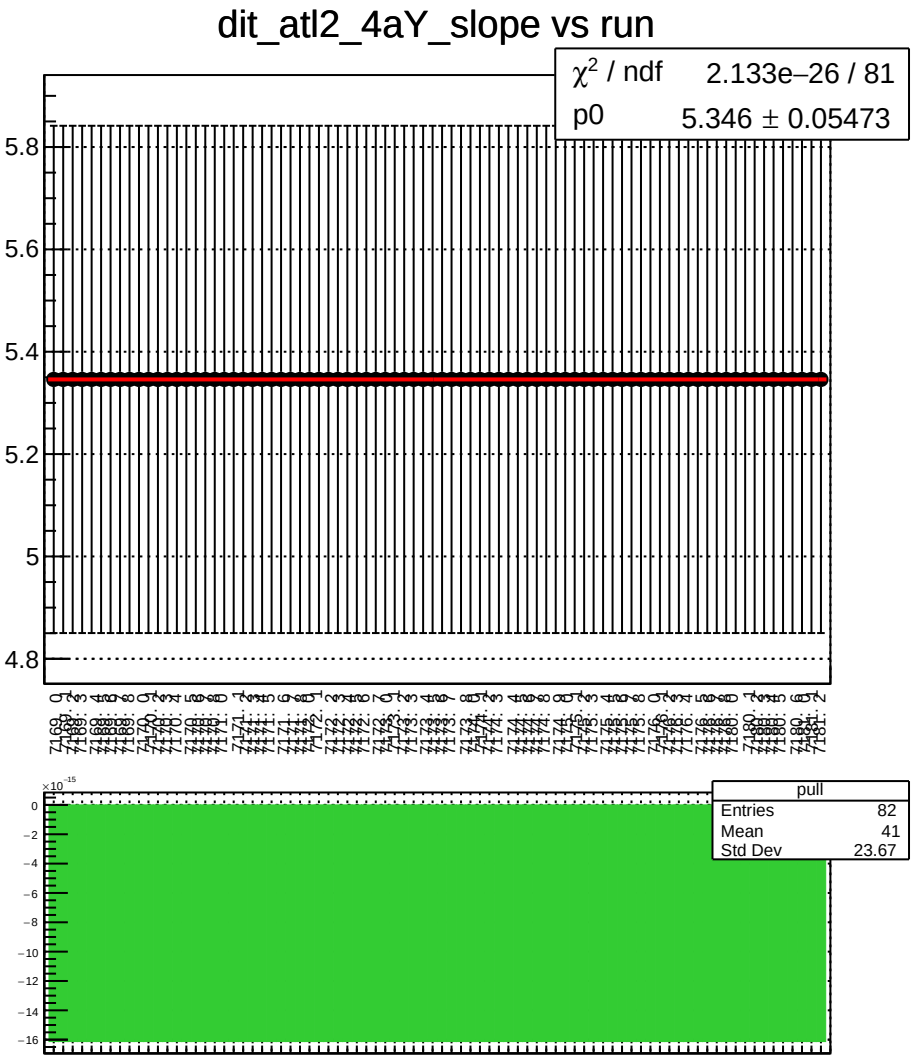

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.932e−24 / 81
p0 −1950 ± 1.587
−1935
−1940
−1945
−1950
−1955
−1960
−1965
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-12
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 82
Mean 2.69e−13
Std Dev 1.946e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

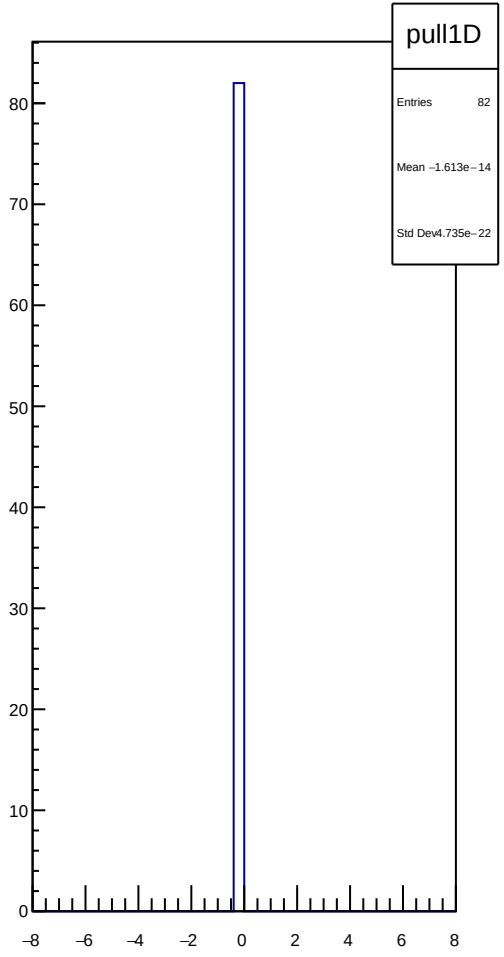

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.941e−24 / 81
p0 2047 ± 1.632
2060
2055
2050
2045
2040
2035
2030
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

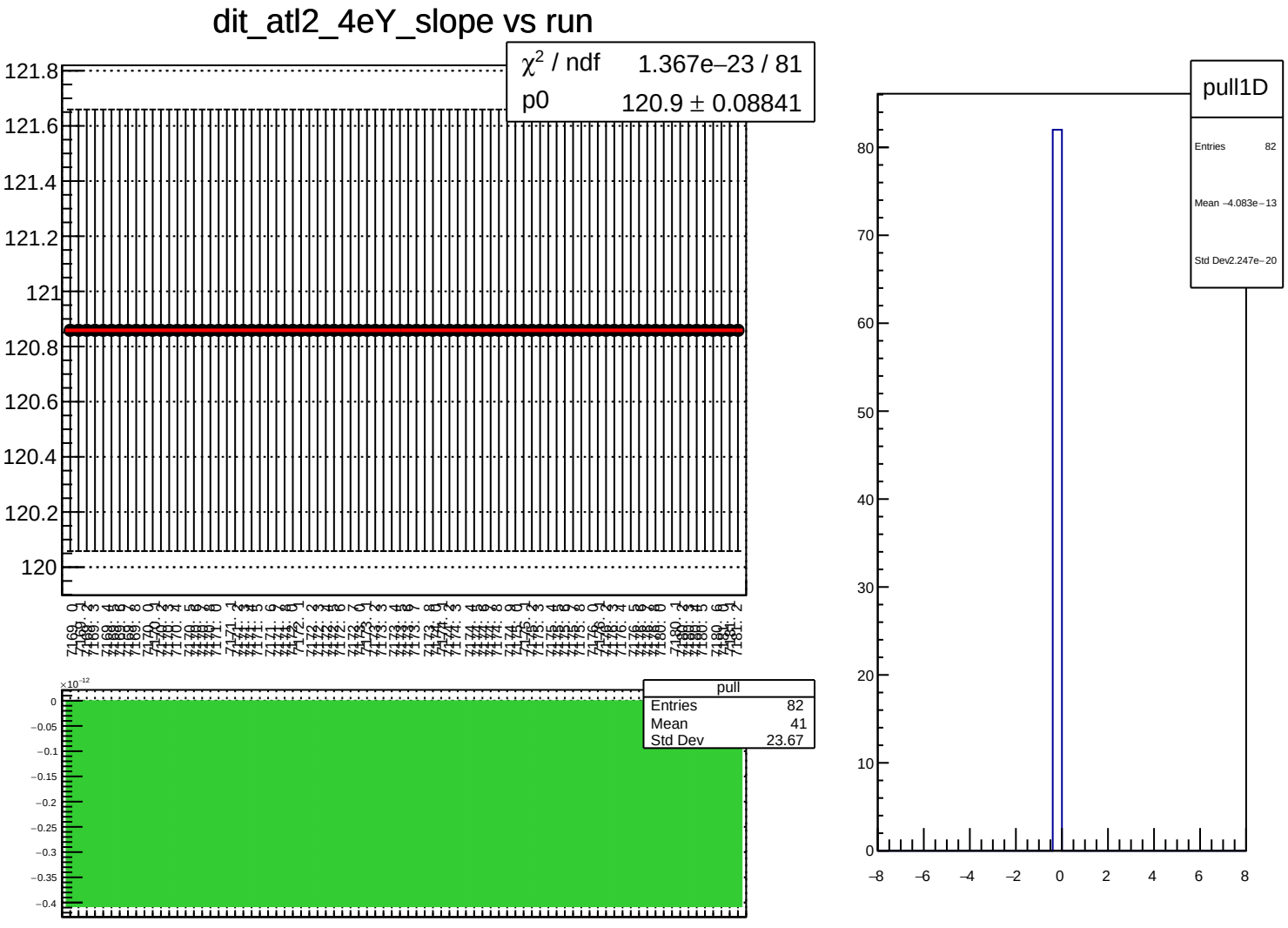

pull1D
Entries 82
Mean 1.539e−13
Std Dev 6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

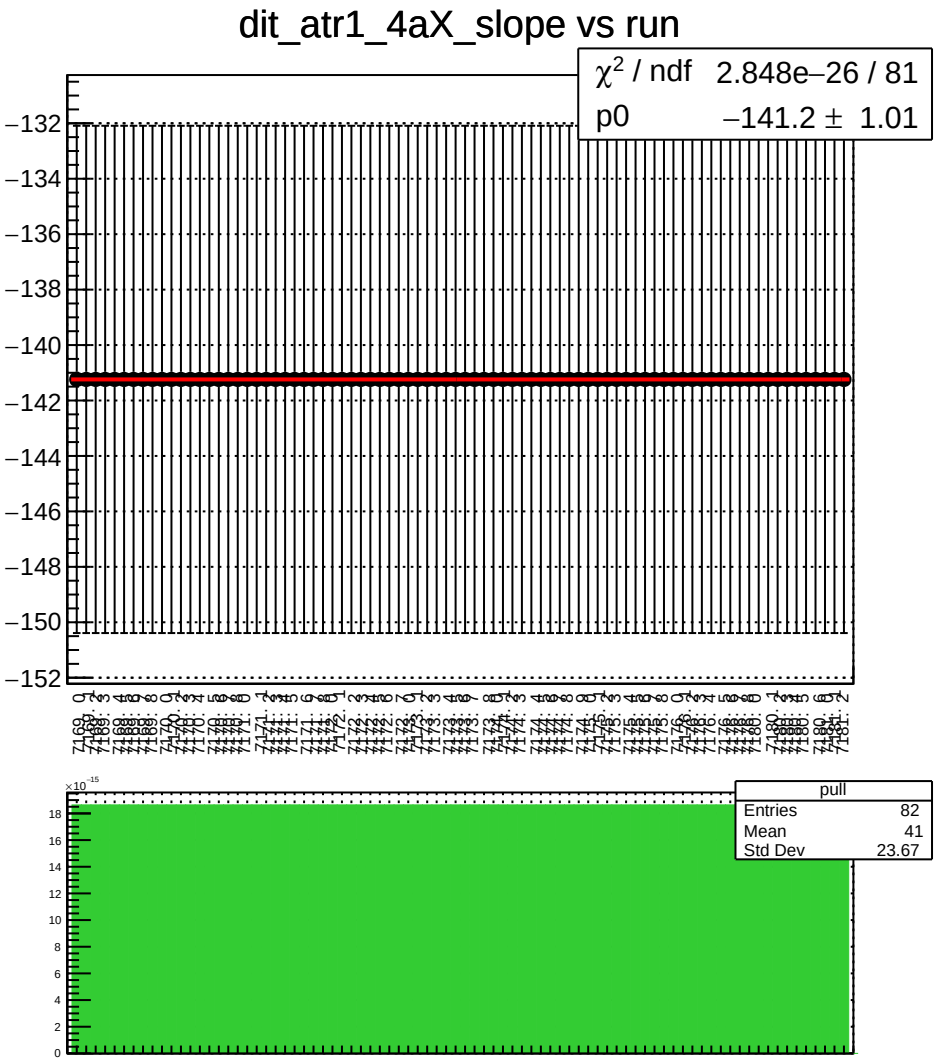

dit_atl2_11X12X_slope vs run
χ^2 / ndf 3.341e−25 / 81
p0 −288 ± 0.09835
−287
−287.5
−288
−288.5
−289
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
60
50
40
30
20
10
0

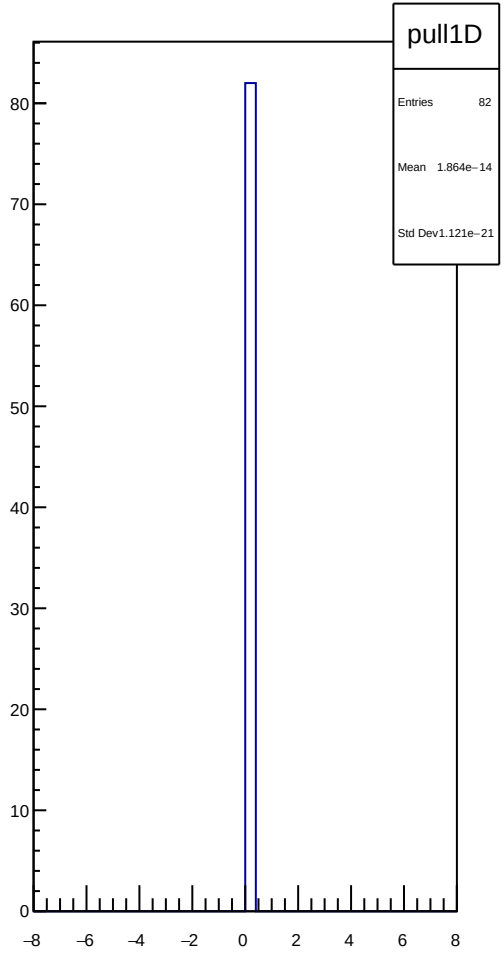

pull1D
Entries 82
Mean 6.383e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

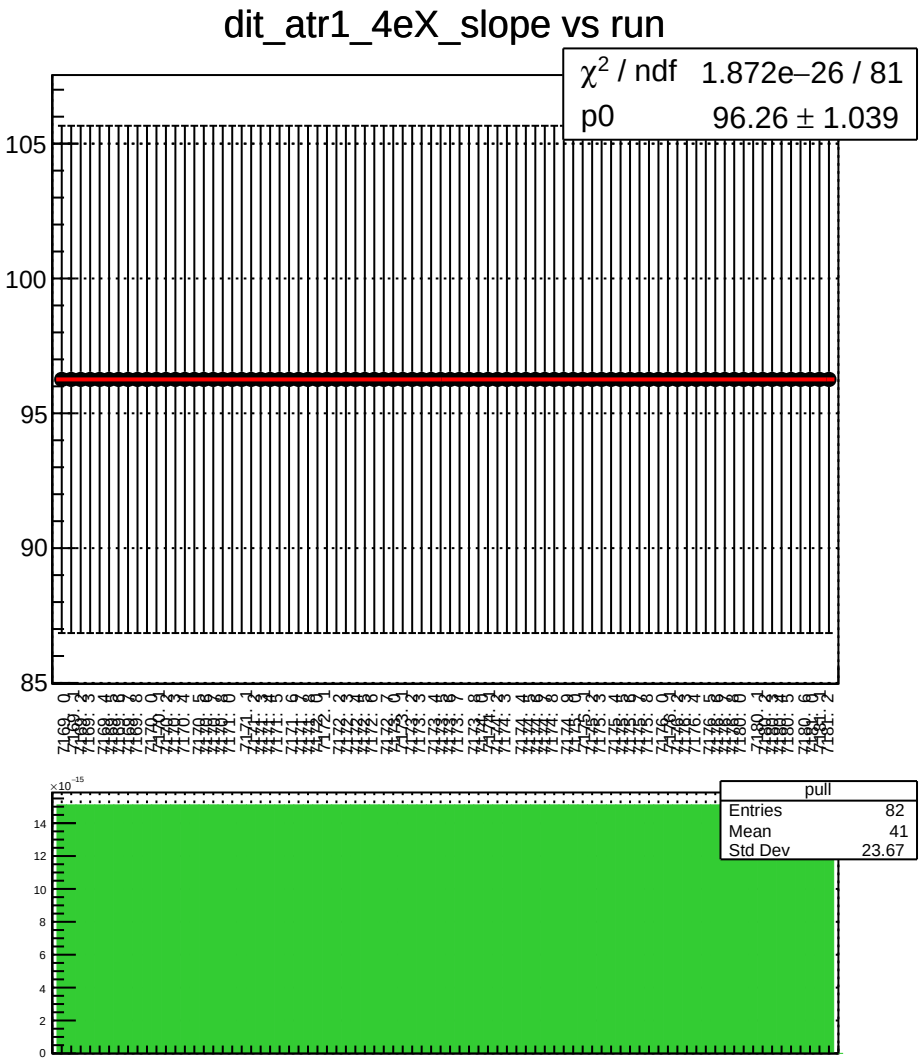

dit_atl2_4aY_slope vs run
χ^2 / ndf 2.133e−26 / 81
p0 5.346 ± 0.05473
5.8
5.6
5.4
5.2
5
4.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

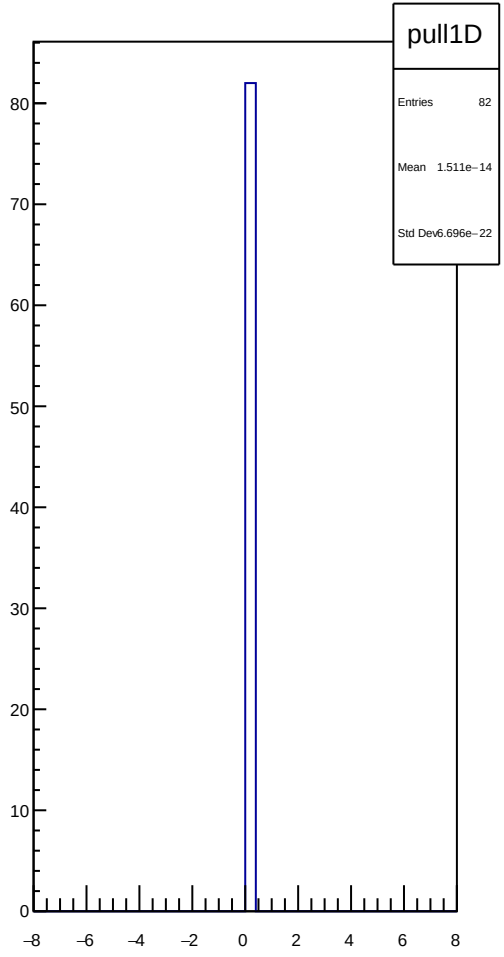

pull1D
Entries 82
Mean −1.613e−14
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_4eY_slope vs run
χ^2 / ndf 1.367e−23 / 81
p0 120.9 ± 0.08841
121.8
121.6
121.4
121.2
121
120.8
120.6
120.4
120.2
120
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 82
Mean −4.083e−13
Std Dev 2.247e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

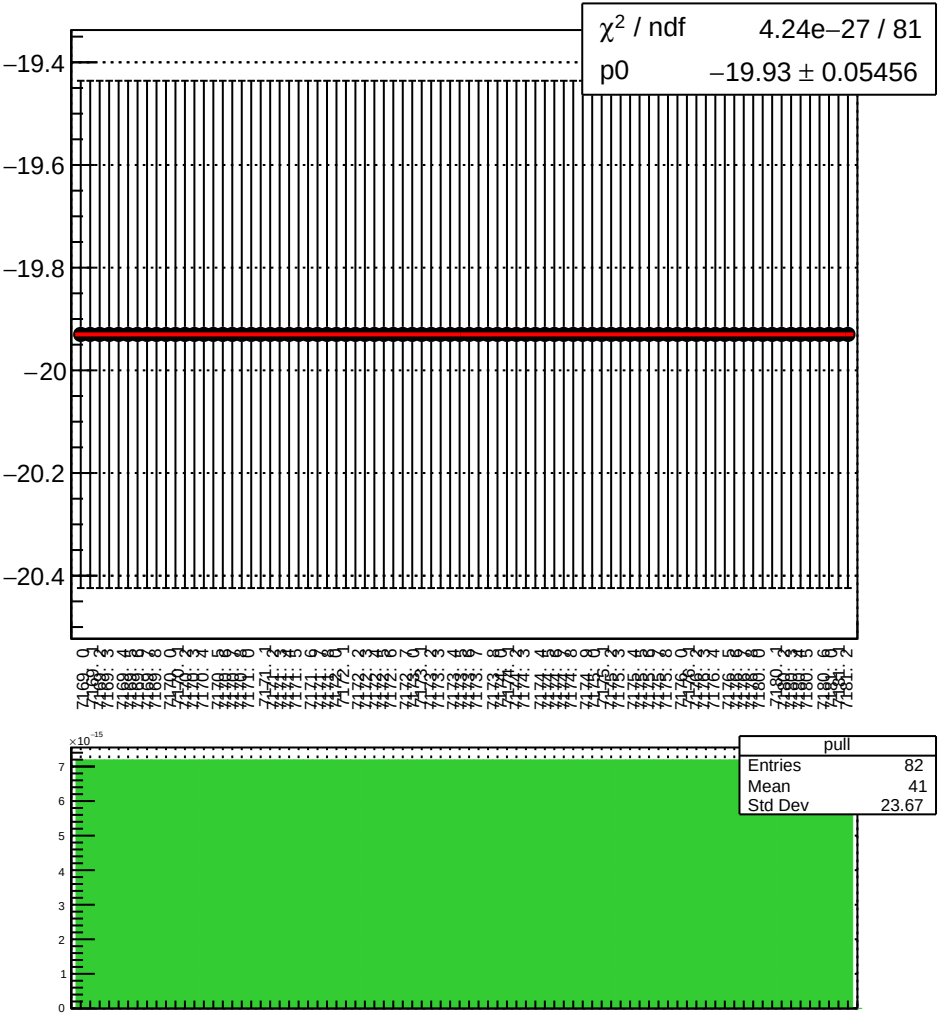

dit_atr1_4aX_slope vs run
χ2 / ndf 2.848e−26 / 81
p0 −141.2 ± 1.01
−132
−134
−136
−138
−140
−142
−144
−146
−148
−150
−152
pull
Entries 82
Mean 41
Std Dev 23.67
×10−15
18
16
14
12
10
8
6
4
2
0

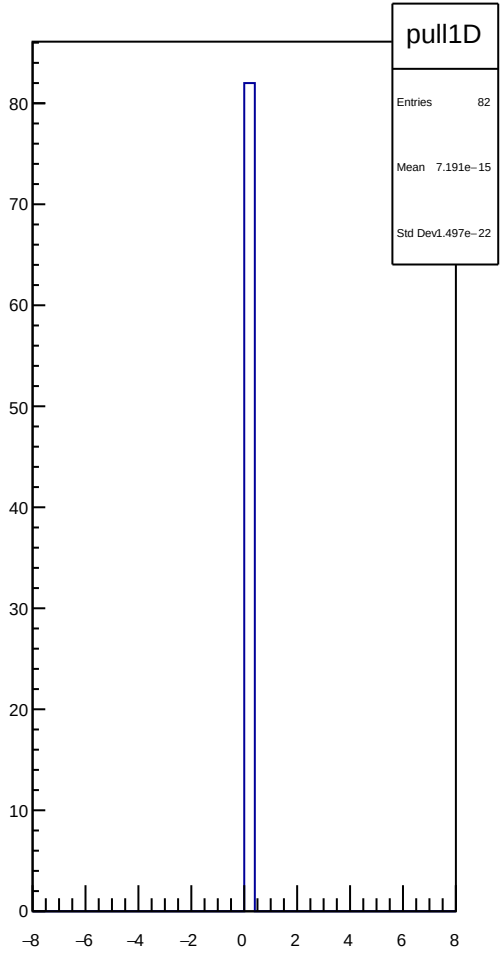

pull1D
Entries 82
Mean 1.864e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

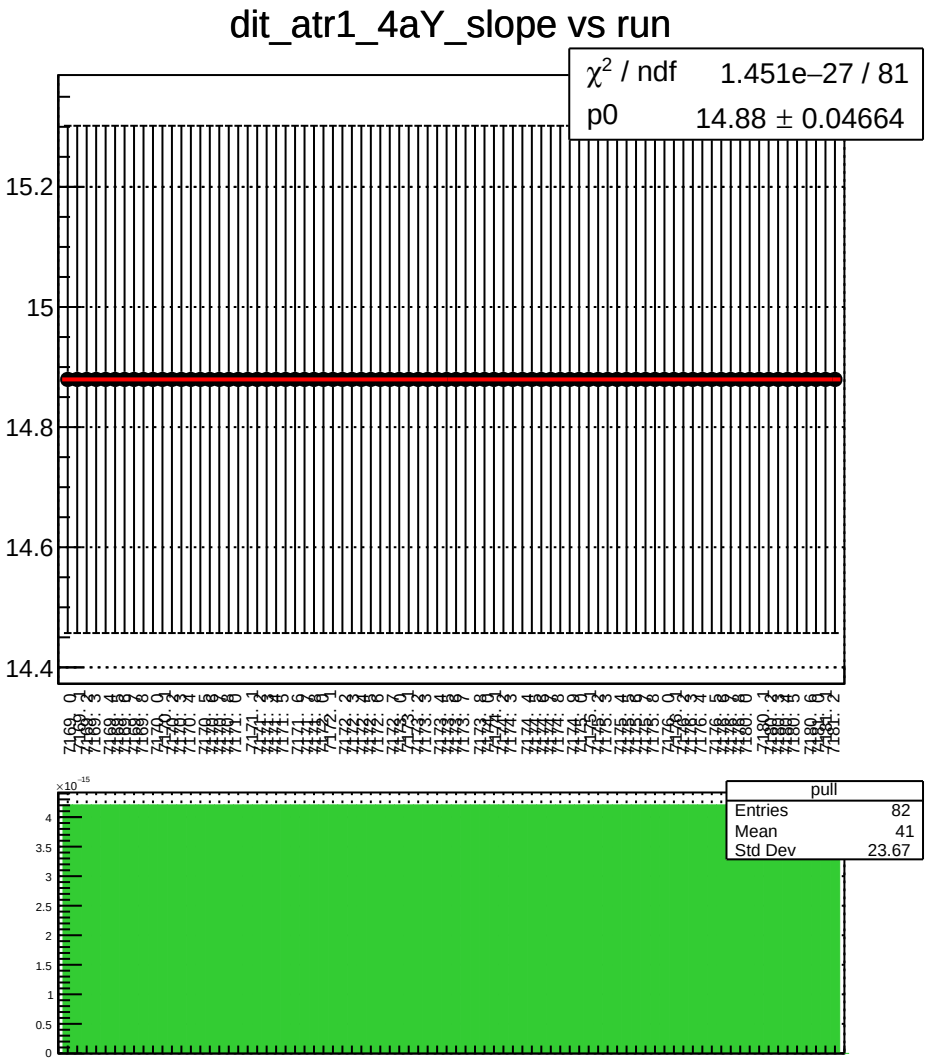

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.872e−26 / 81
p0 96.26 ± 1.039
105
100
95
90
85
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
14
12
10
8
6
4
2
0

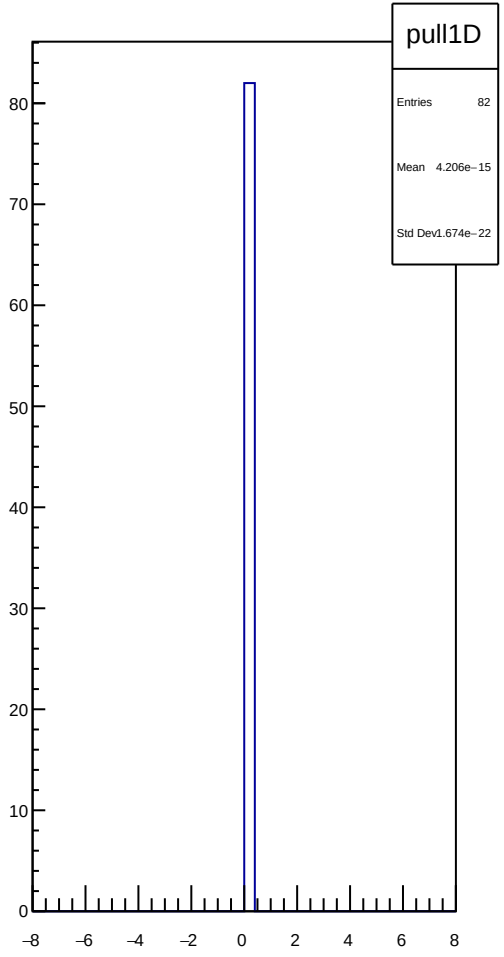

pull1D
Entries 82
Mean 1.511e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

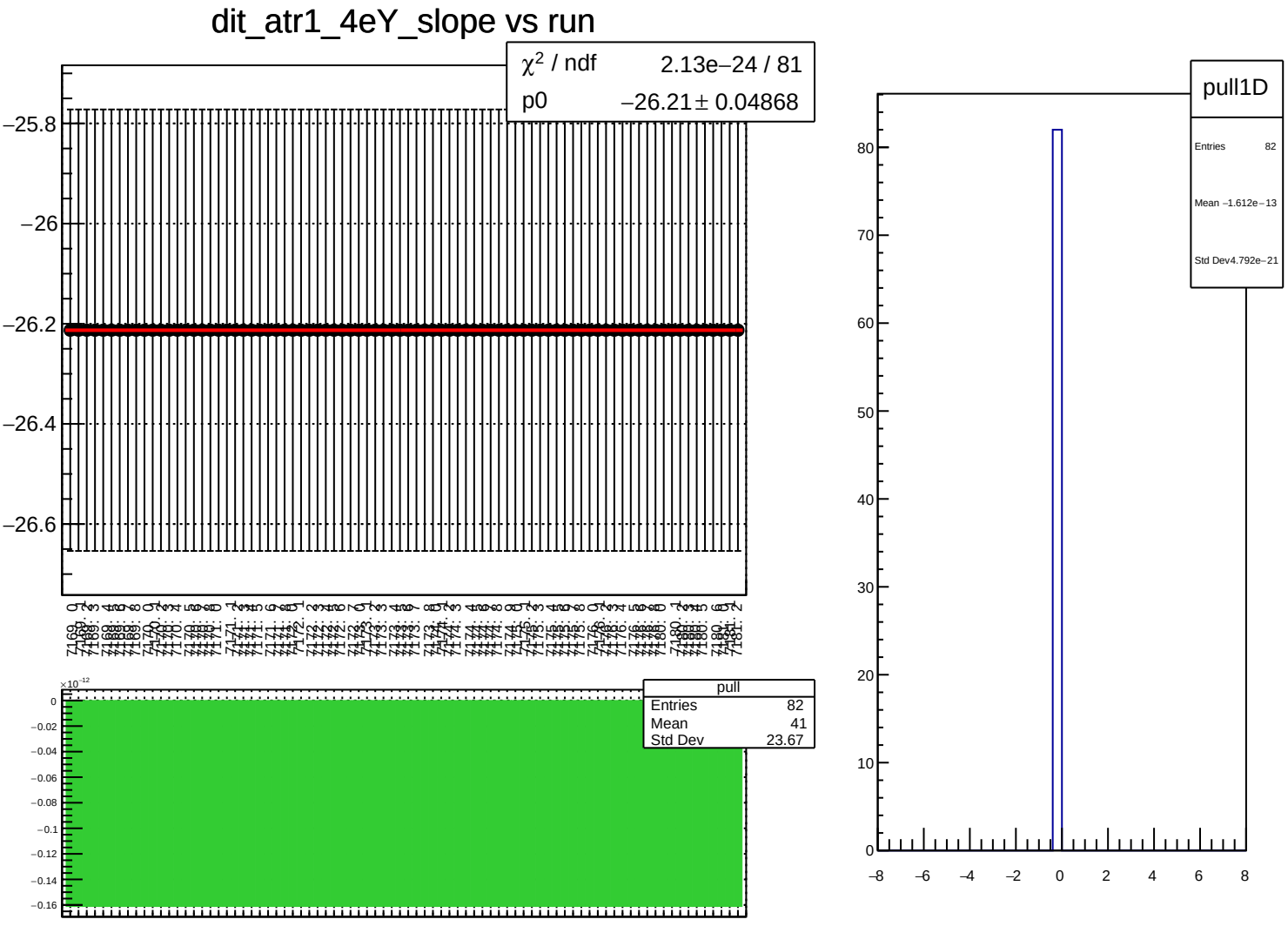
dit_atr1_11X12X_slope vs run

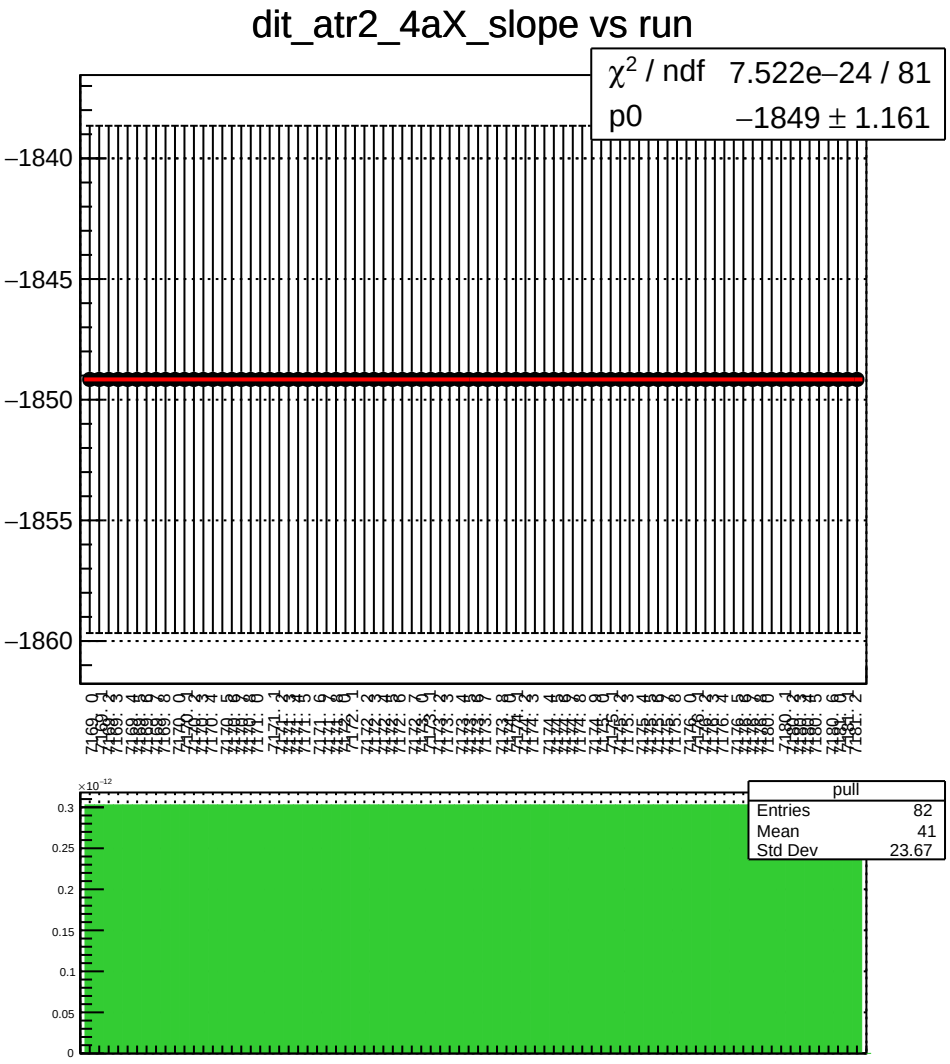


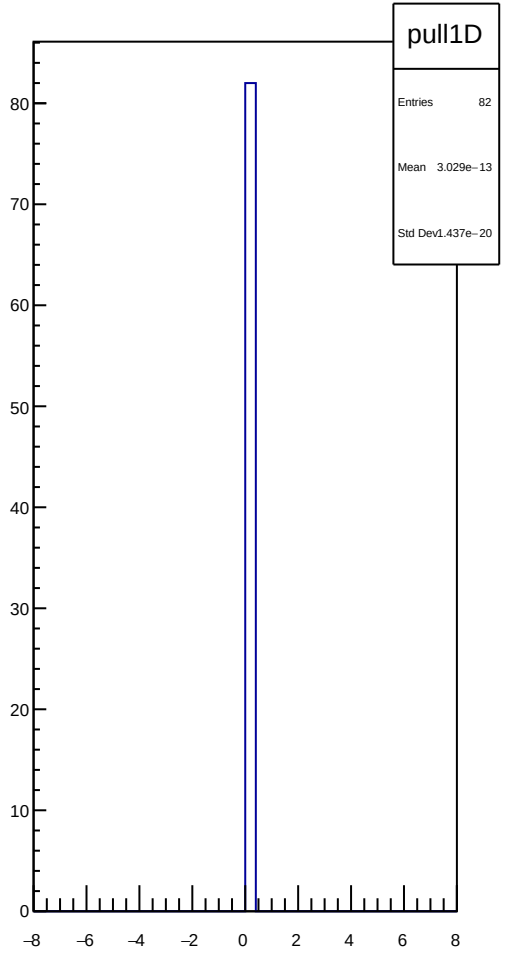


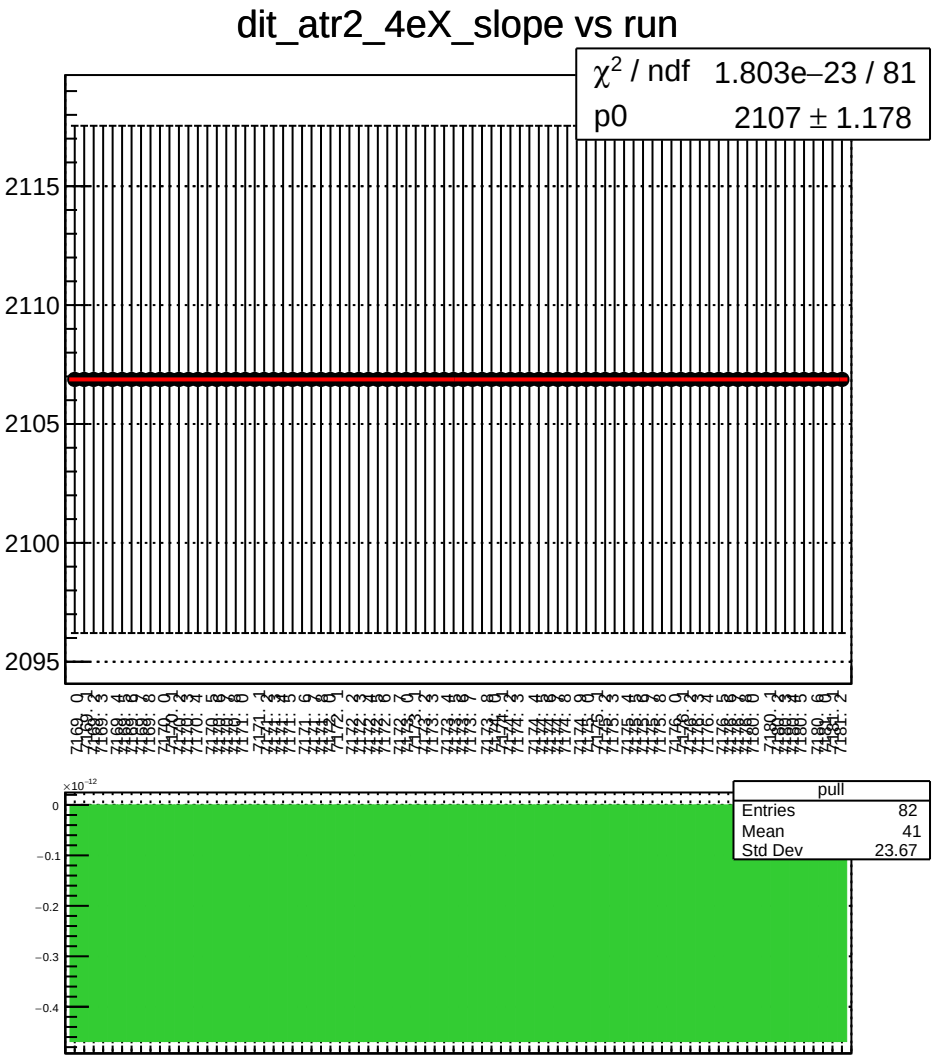

dit_atr1_4aY_slope vs run
χ² / ndf 1.451e−27 / 81
p0 14.88 ± 0.04664
15.2
15
14.8
14.6
14.4
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

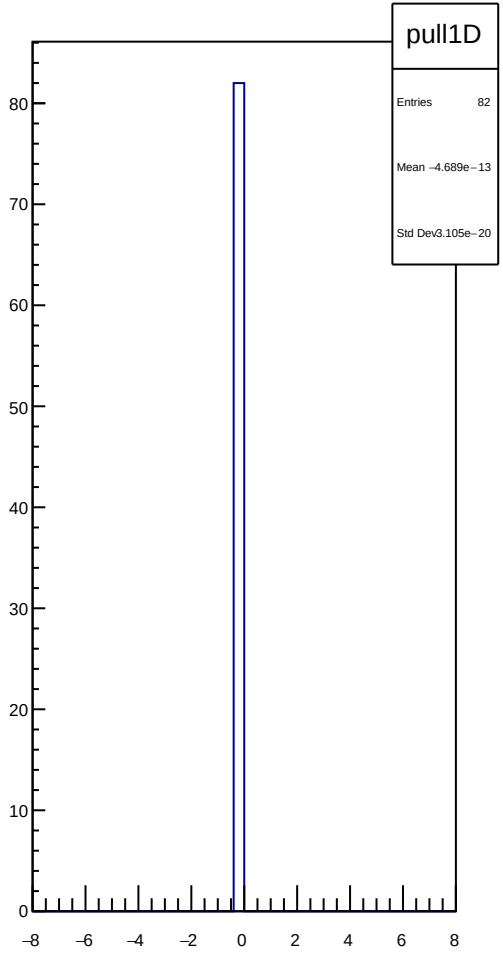

pull1D
Entries 82
Mean 4.206e−15
Std Dev 1.674e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_4eY_slope vs run
χ² / ndf 2.13e−24 / 81
p0 −26.21 ± 0.04868
−25.8
−26
−26.2
−26.4
−26.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 82
Mean −1.612e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

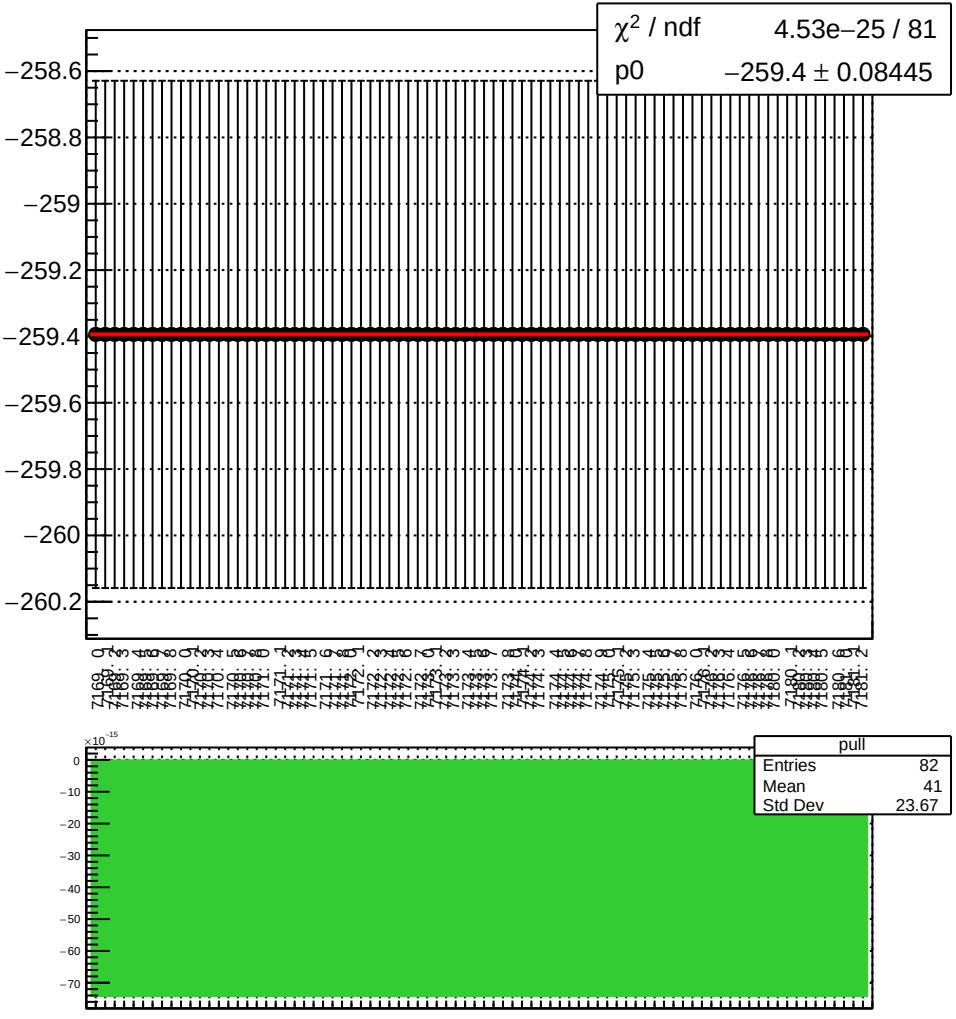

dit_atr2_4aX_slope vs run
χ^2 / ndf 7.522e−24 / 81
p0 −1849 ± 1.161
−1840
−1845
−1850
−1855
−1860
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0.3
0.25
0.2
0.15
0.1
0.05
0

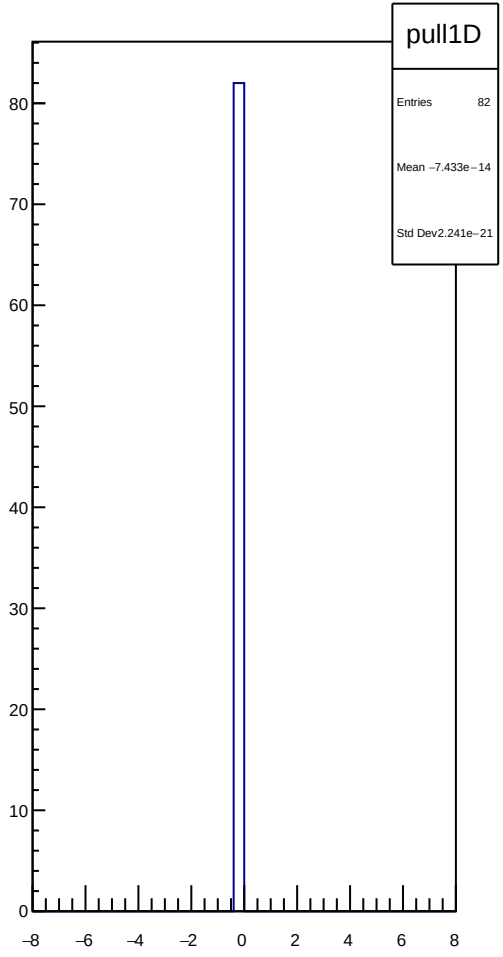

pull1D
Entries 82
Mean 3.029e−13
Std Dev 1.437e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

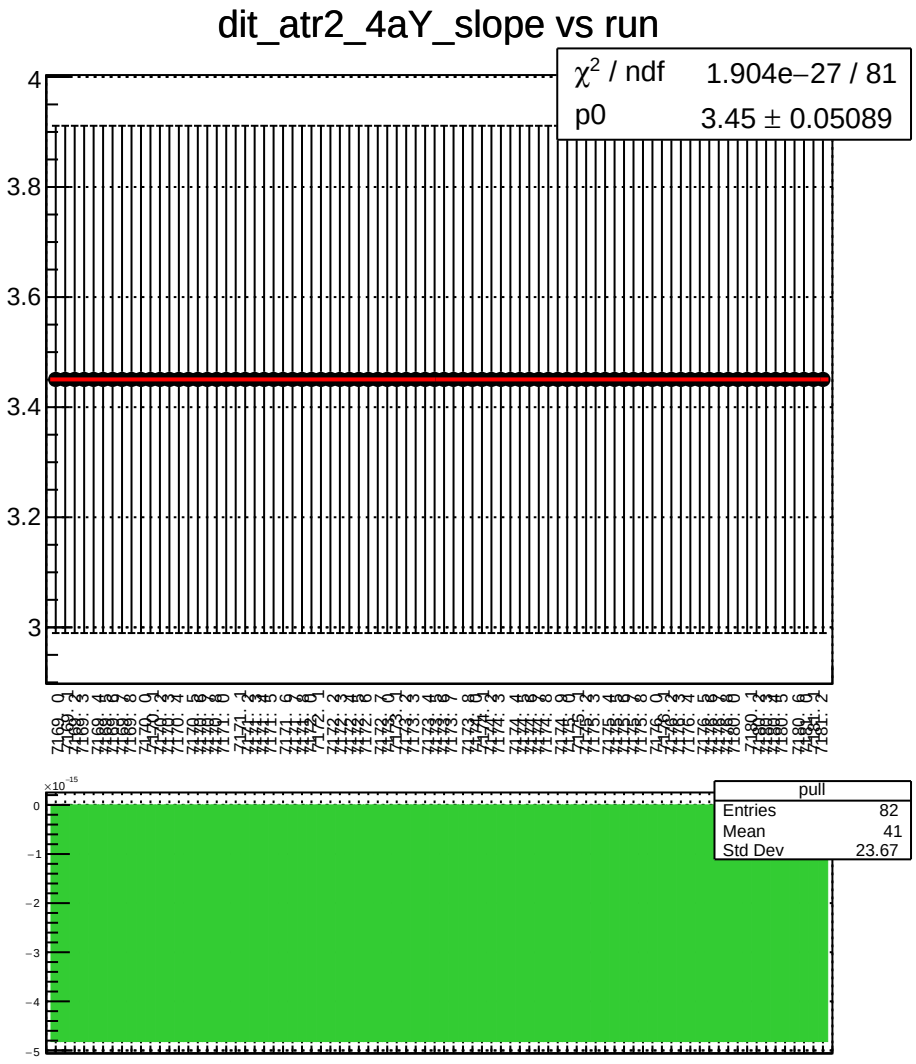

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.803e−23 / 81
p0 2107 ± 1.178
2115
2110
2105
2100
2095
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4

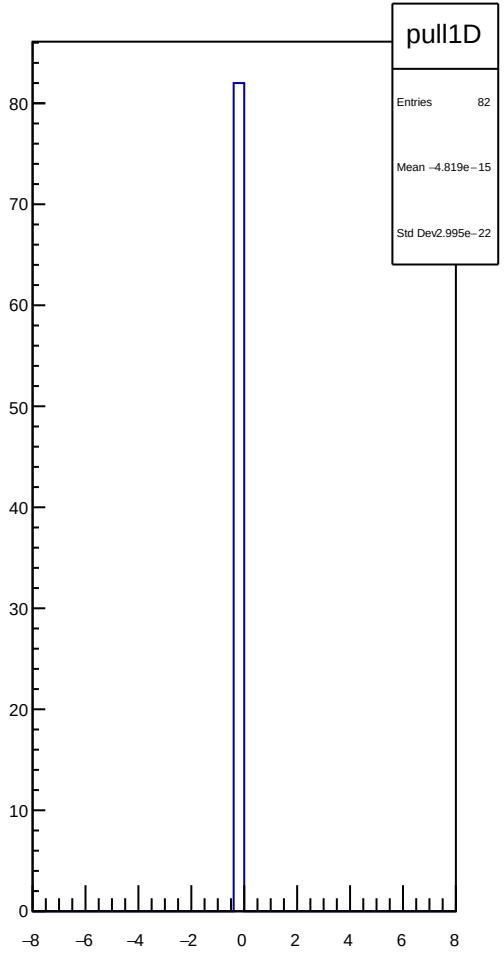

pull1D
Entries 82
Mean −4.689e−13
Std Dev 3.105e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

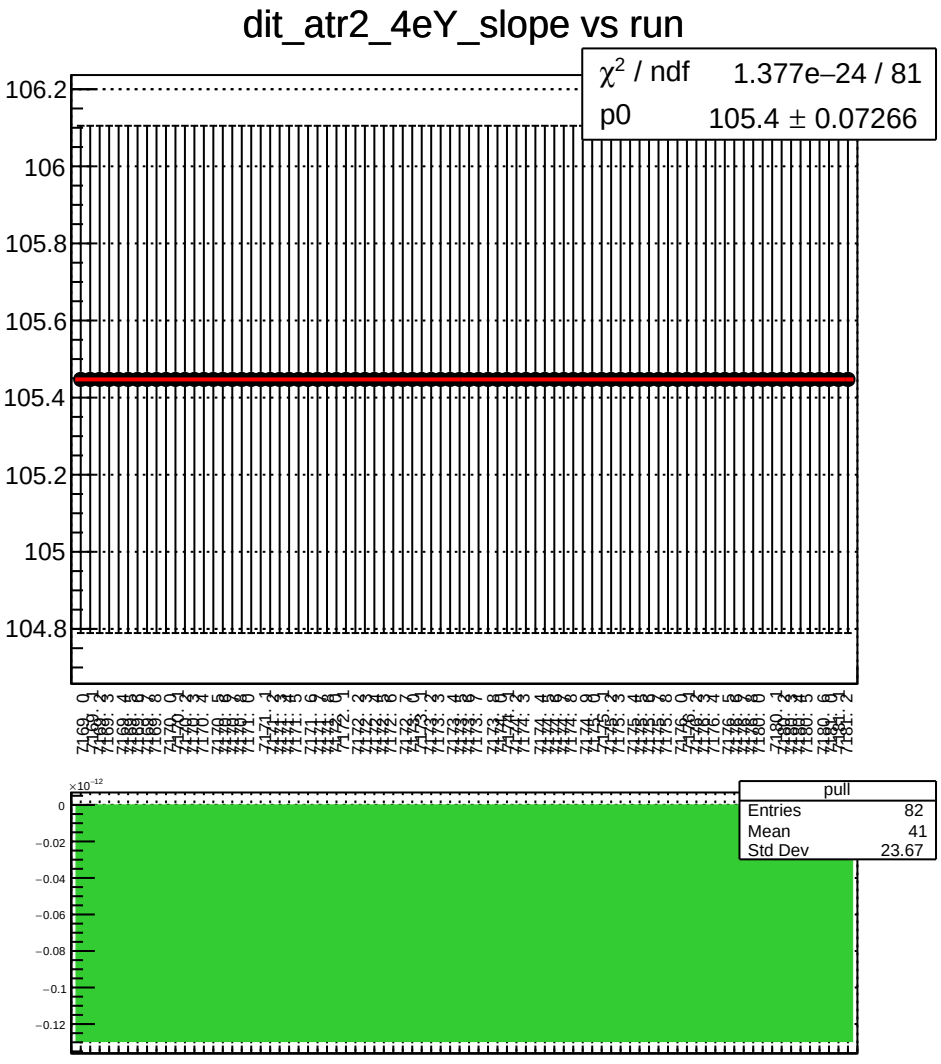
dit_atr2_11X12X_slope vs run

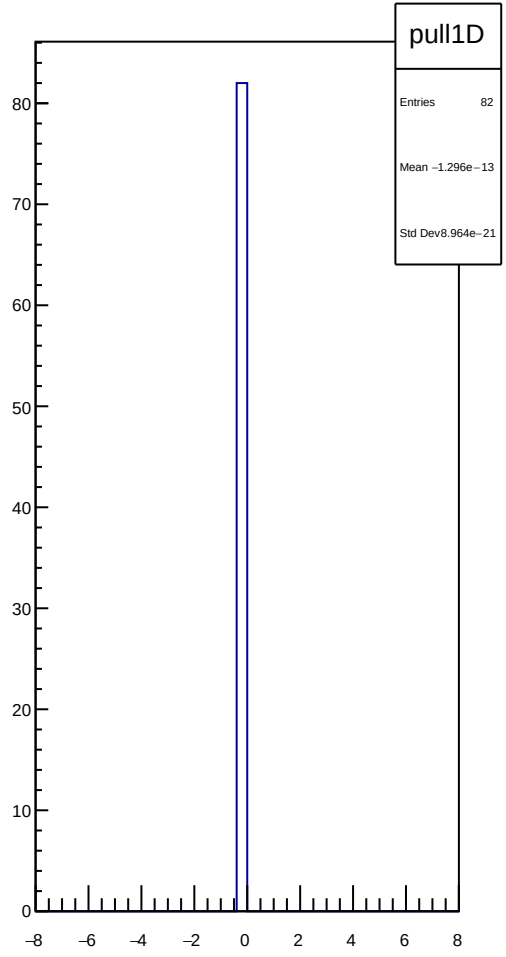


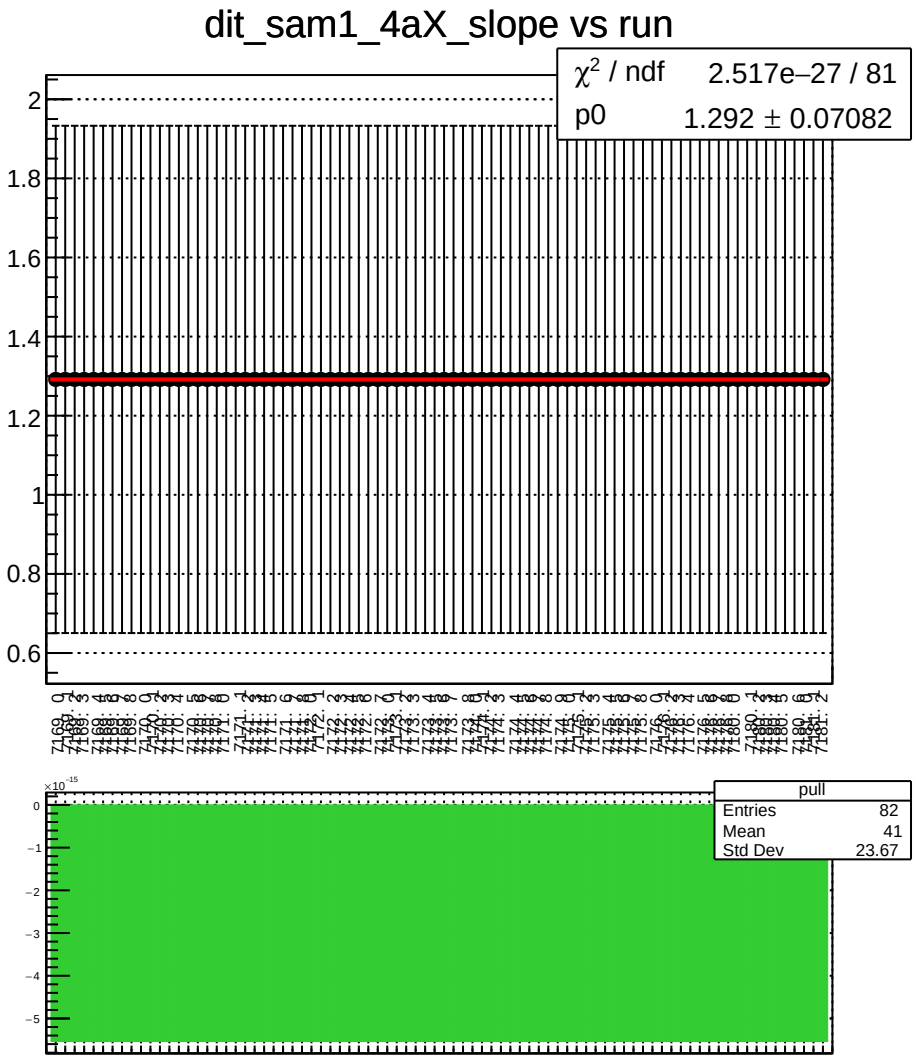


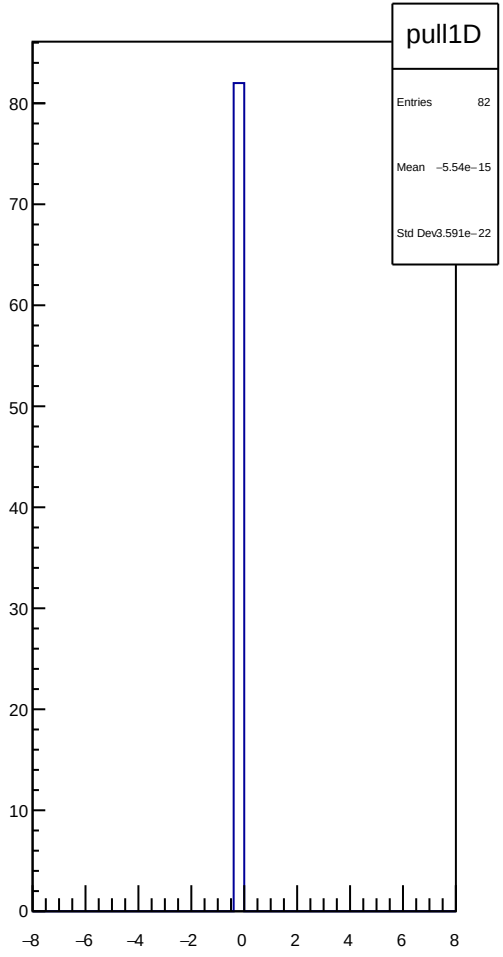

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.904e−27 / 81
p0 3.45 ± 0.05089
pull
Entries 82
Mean 41
Std Dev 23.67


pull1D
Entries 82
Mean −4.819e−15
Std Dev 2.995e−22

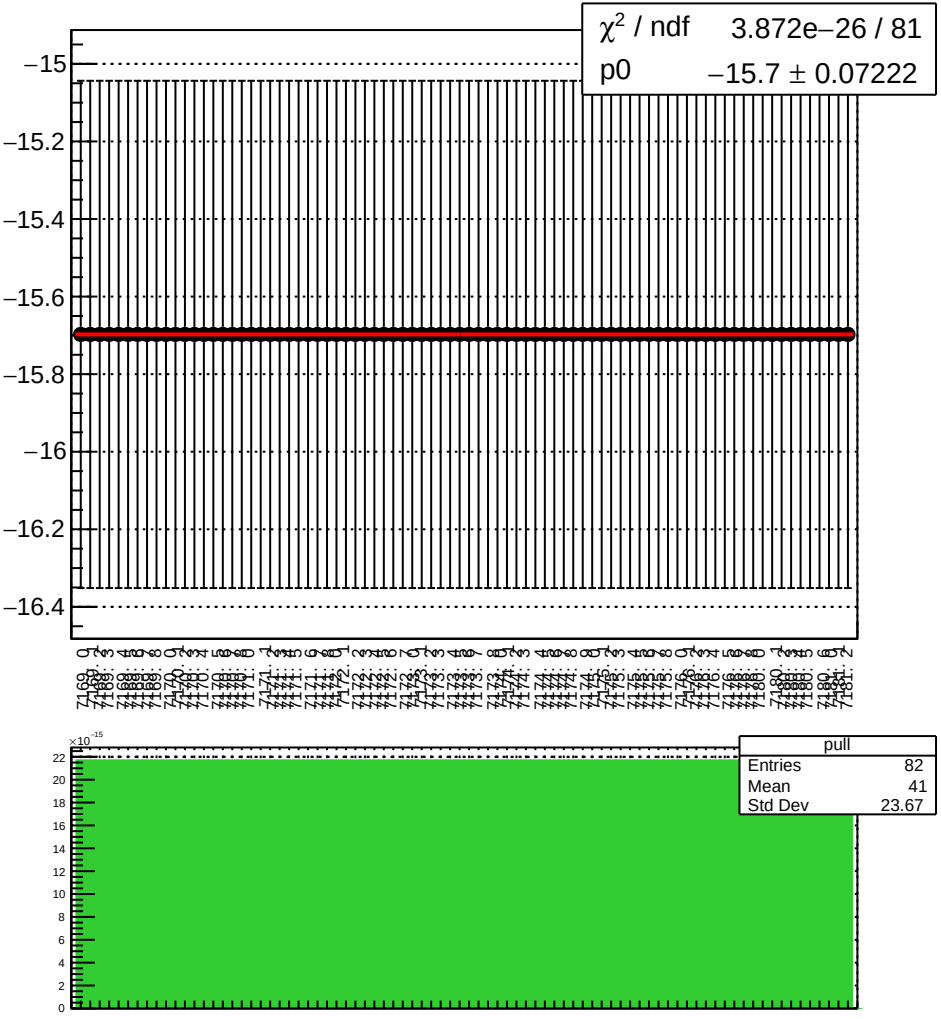

dit_atr2_4eY_slope vs run
χ² / ndf 1.377e−24 / 81
p0 105.4 ± 0.07266
106.2
106
105.8
105.6
105.4
105.2
105
104.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

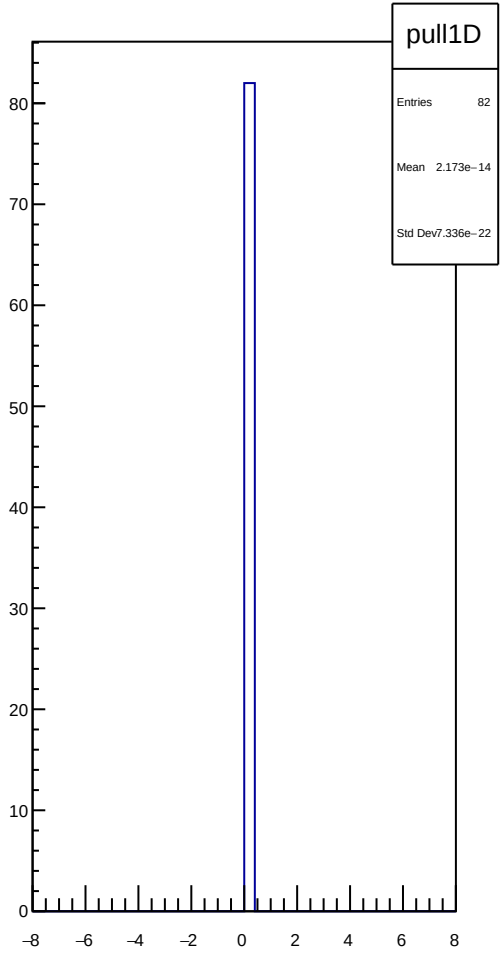

pull1D
Entries 82
Mean −1.296e−13
Std Dev 8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_4aX_slope vs run
χ^2 / ndf 2.517e−27 / 81
p0 1.292 ± 0.07082
pull
Entries 82
Mean 41
Std Dev 23.67

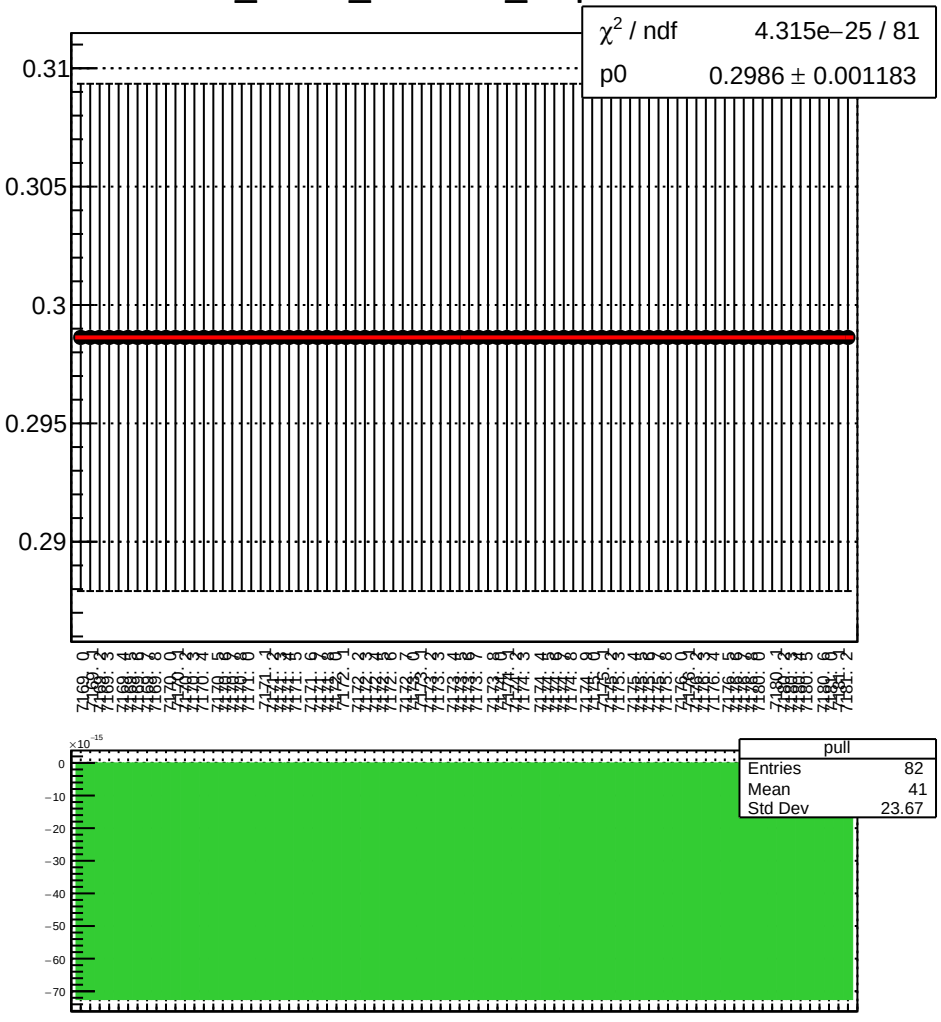

pull1D
Entries 82
Mean −5.54e−15
Std Dev 3.591e−22

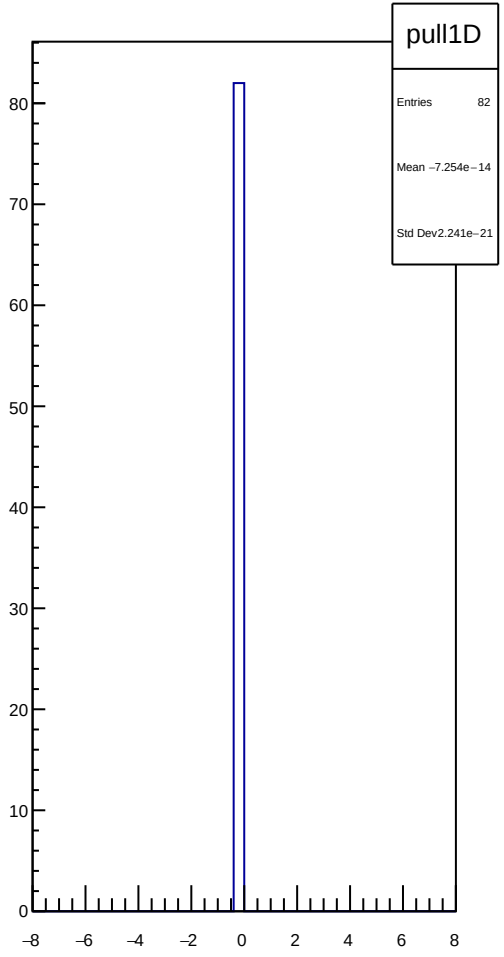
dit_sam1_4eX_slope vs run

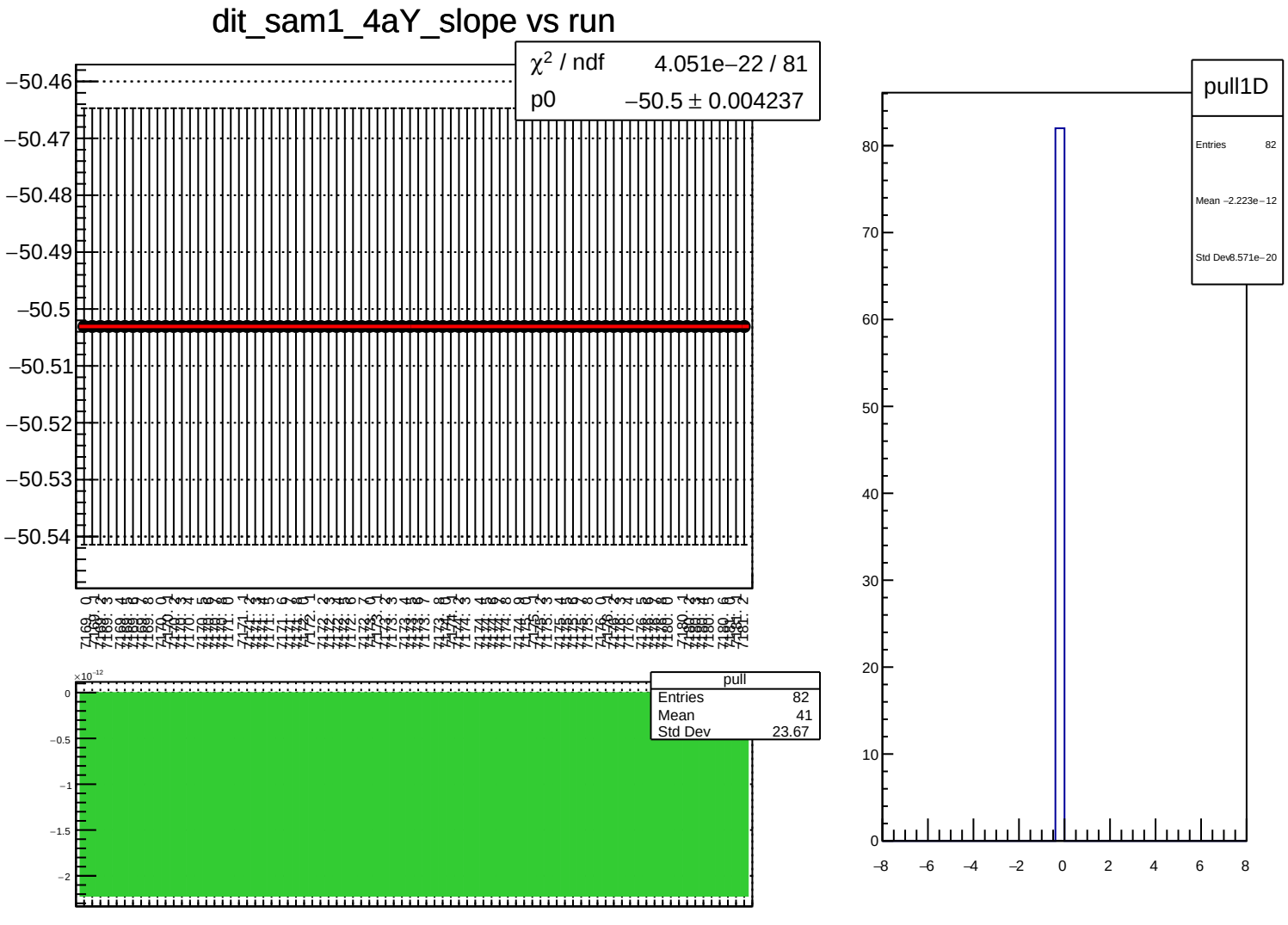




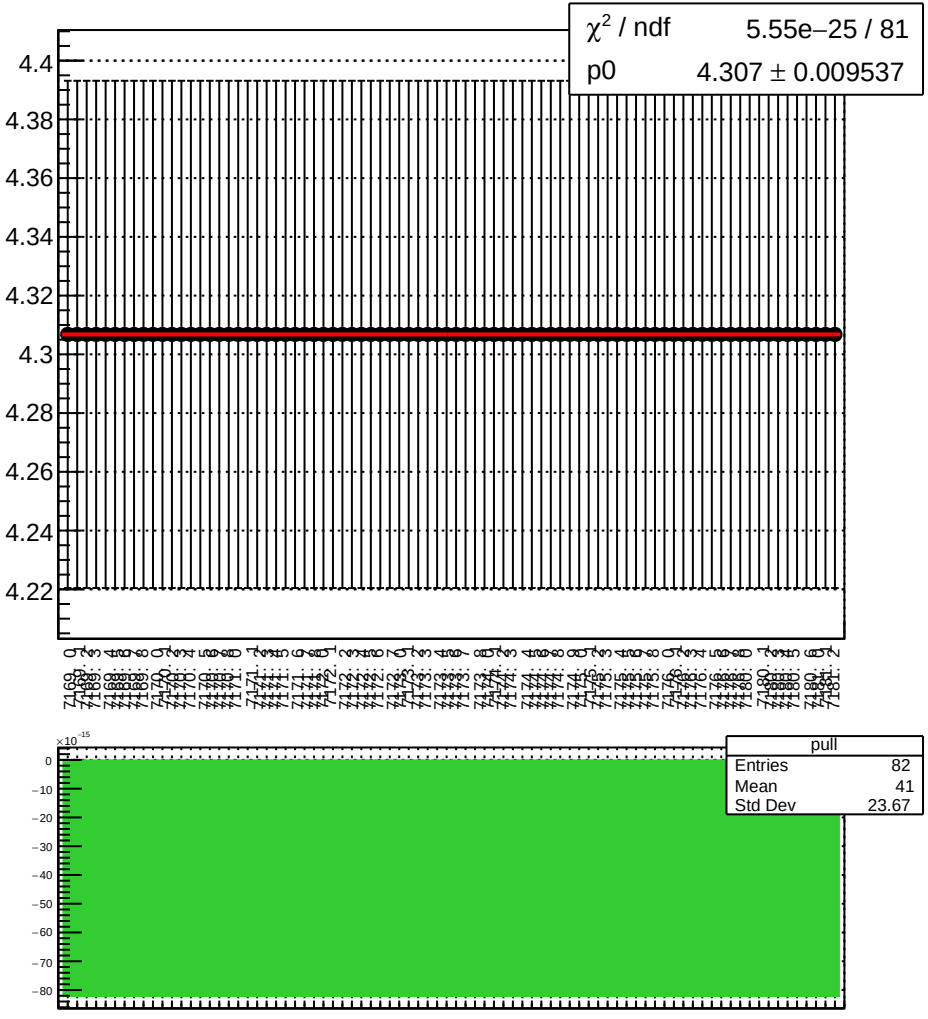
dit_sam1_11X12X_slope vs run

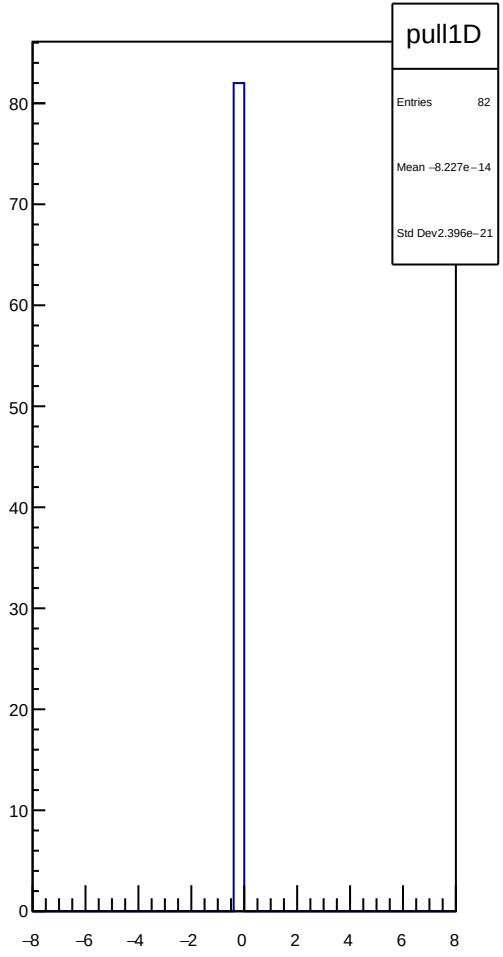




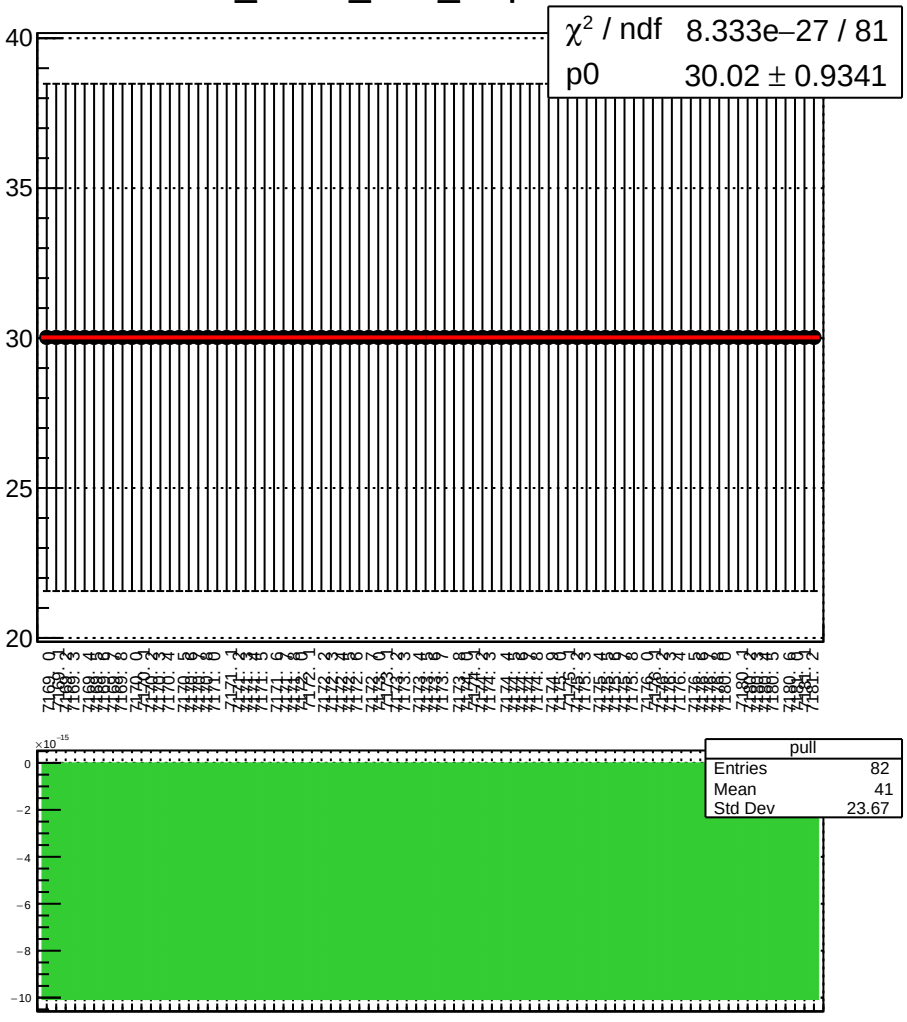

dit_sam1_4aY_slope vs run
χ^2 / ndf 4.051e−22 / 81
p0 −50.5 ± 0.004237
−50.46
−50.47
−50.48
−50.49
−50.5
−50.51
−50.52
−50.53
−50.54
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.5
−1
−1.5
−2
pull1D
Entries 82
Mean −2.223e−12
Std Dev 8.571e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

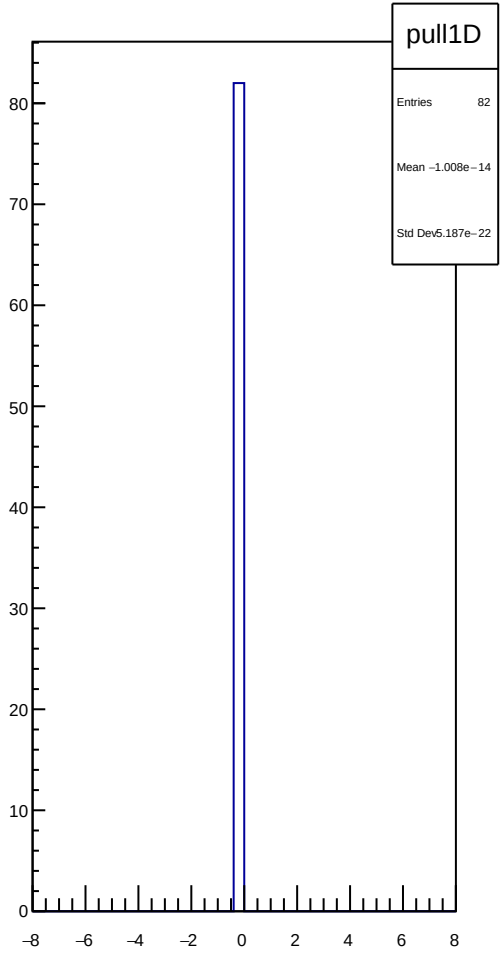
dit_sam1_4eY_slope vs run



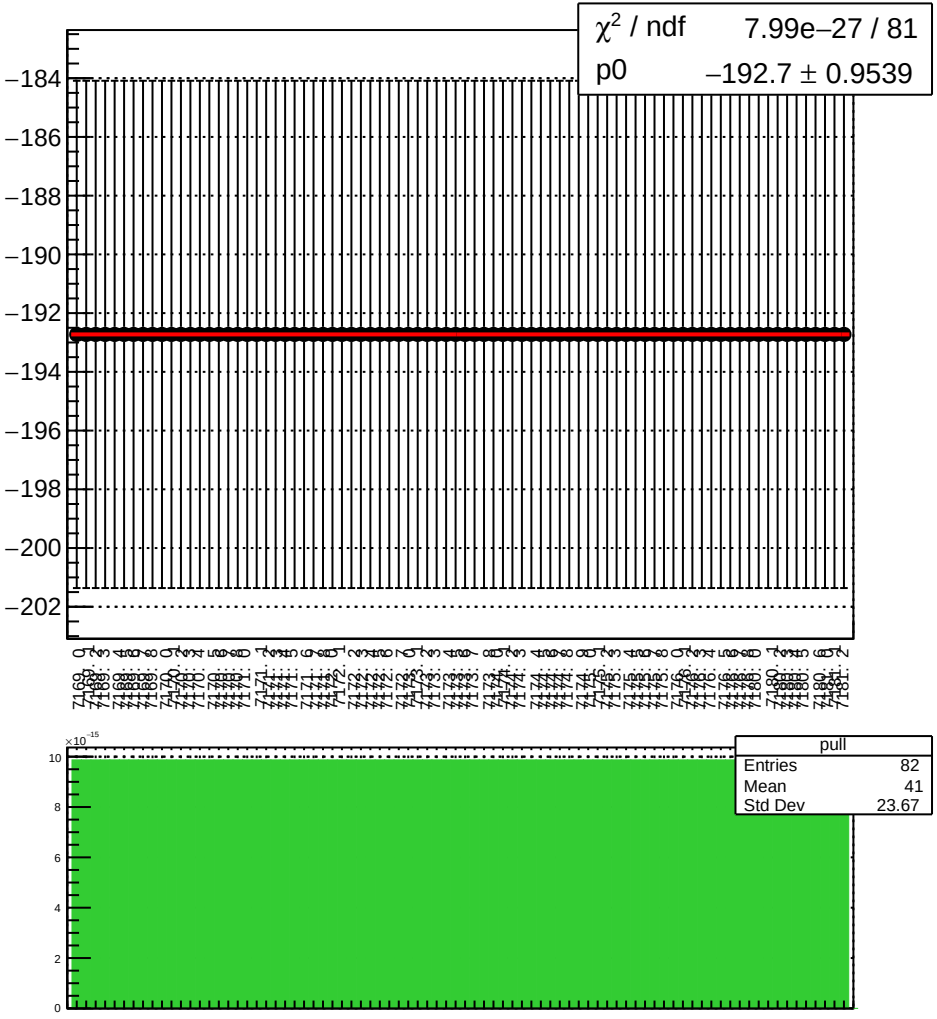


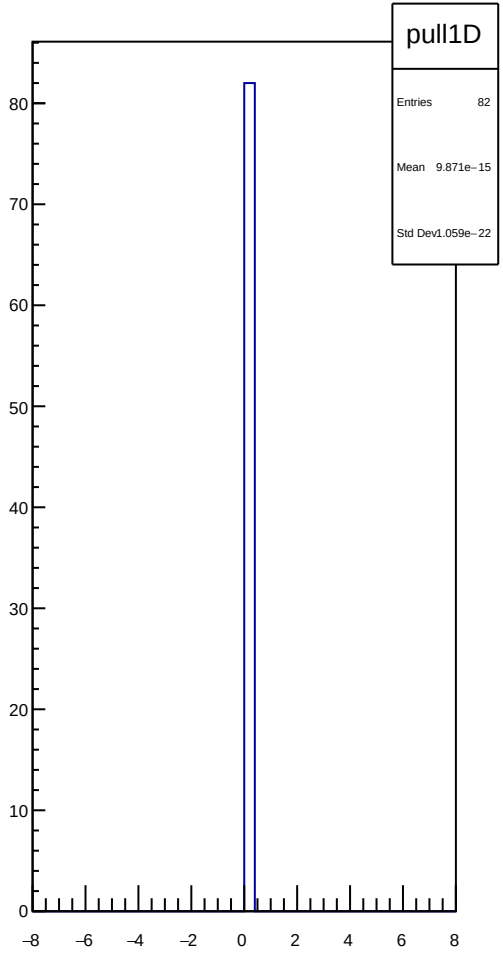
dit_sam2_4aX_slope vs run



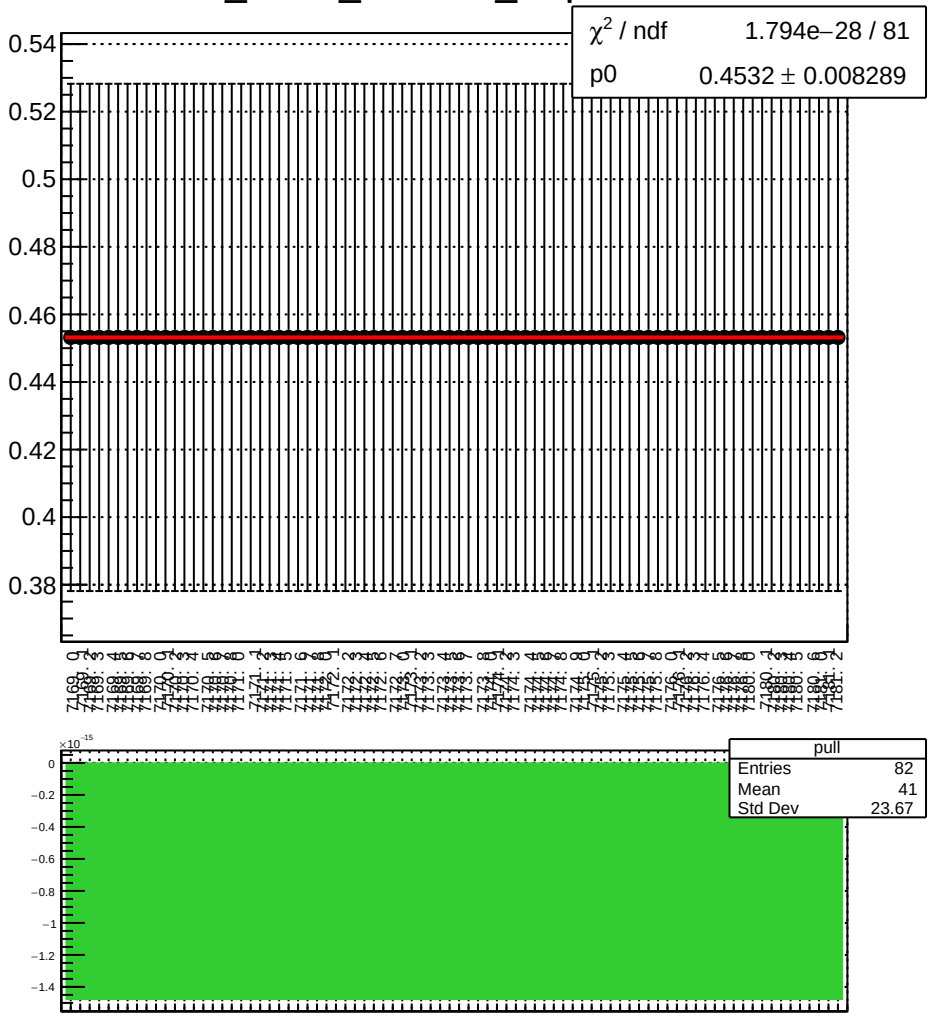


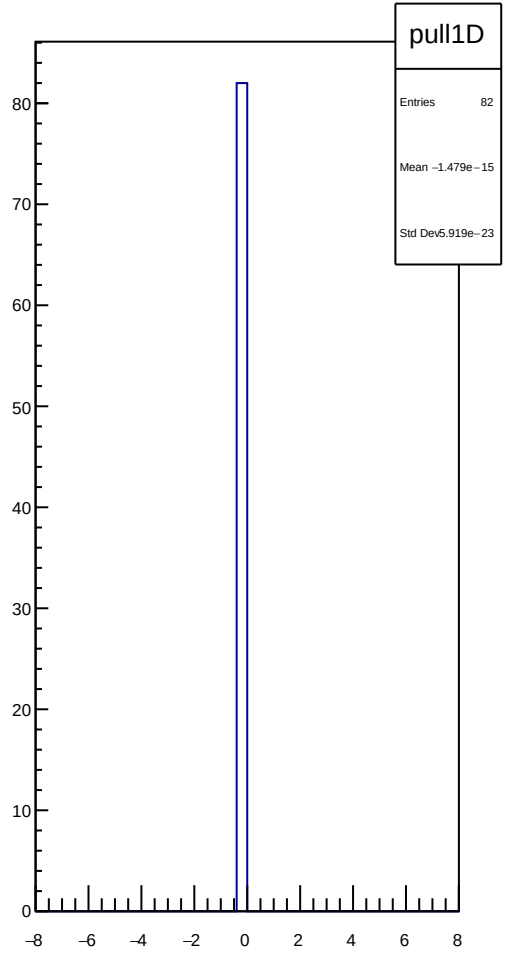
dit_sam2_4eX_slope vs run

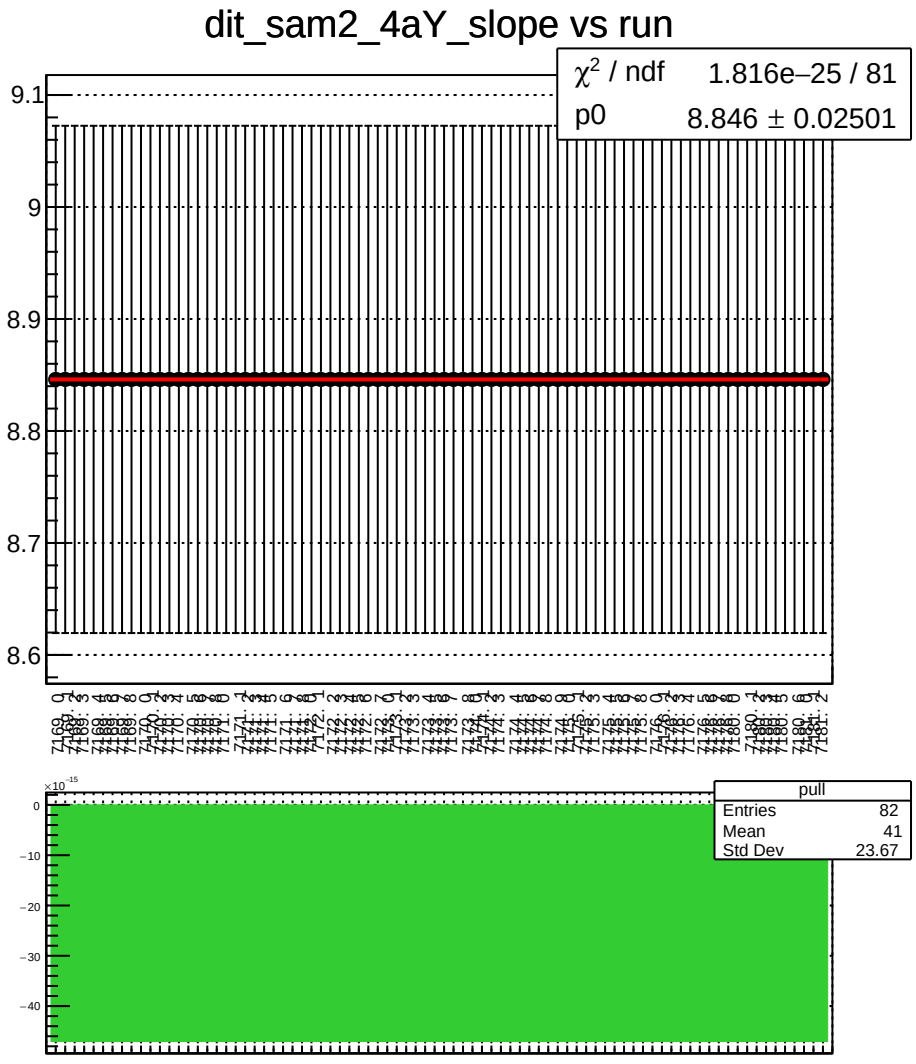


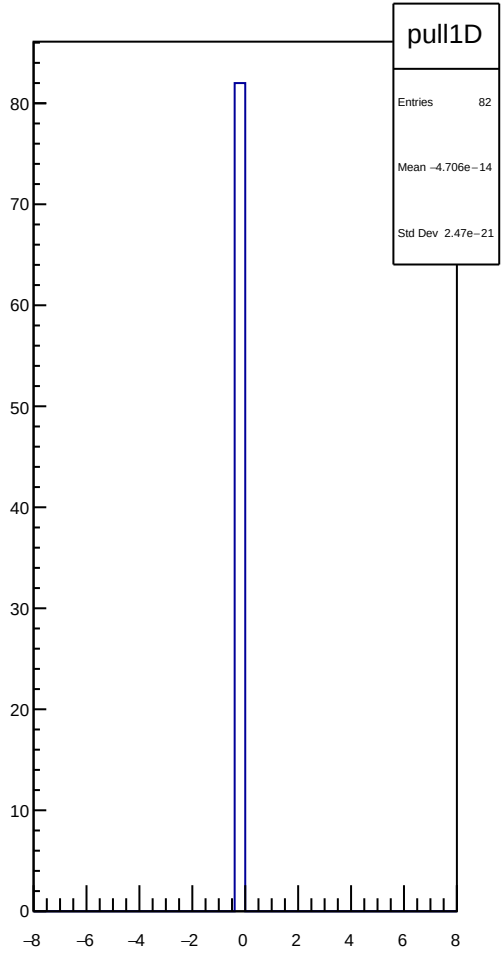


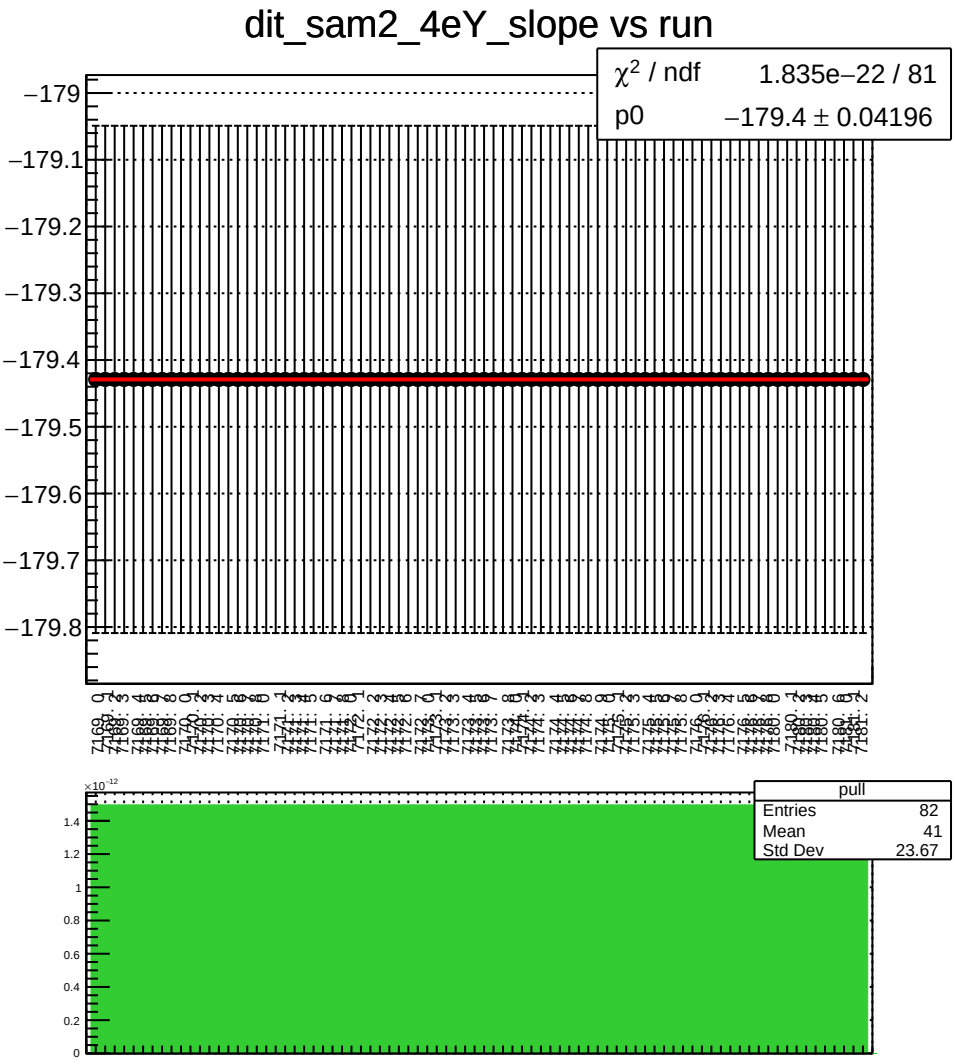
dit_sam2_11X12X_slope vs run

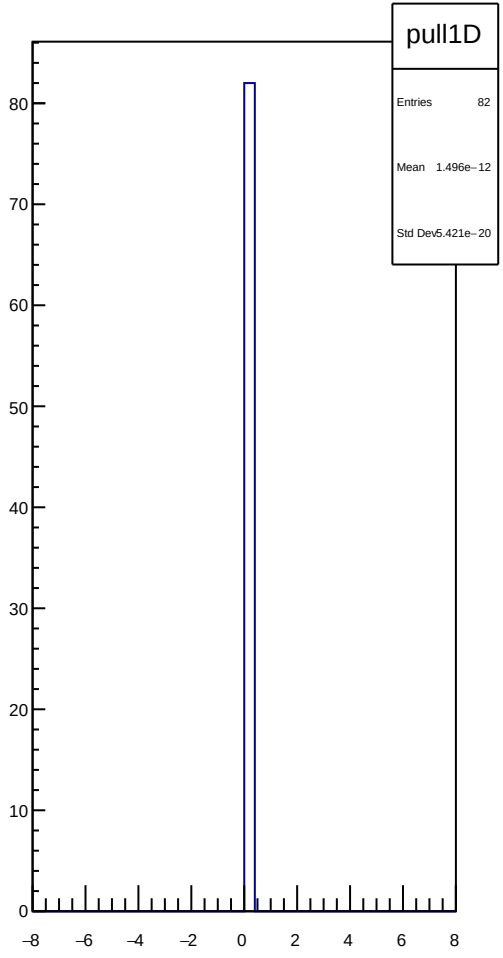


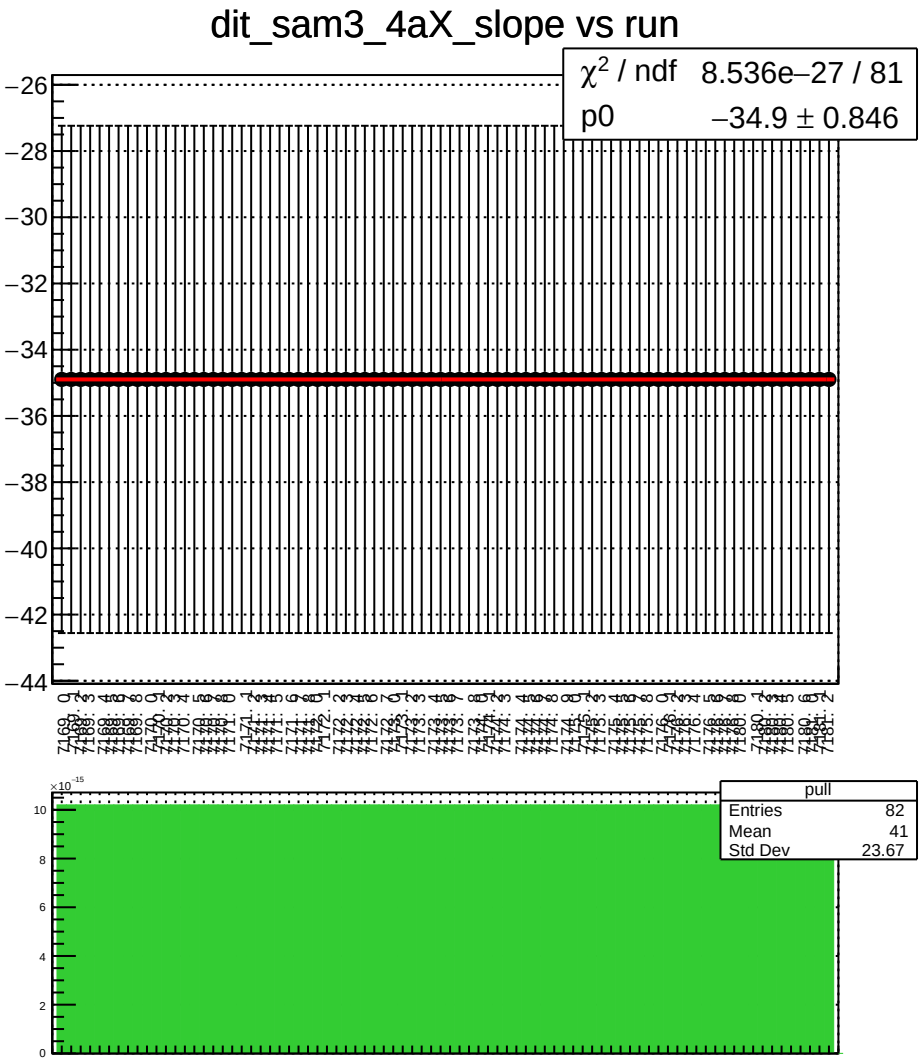


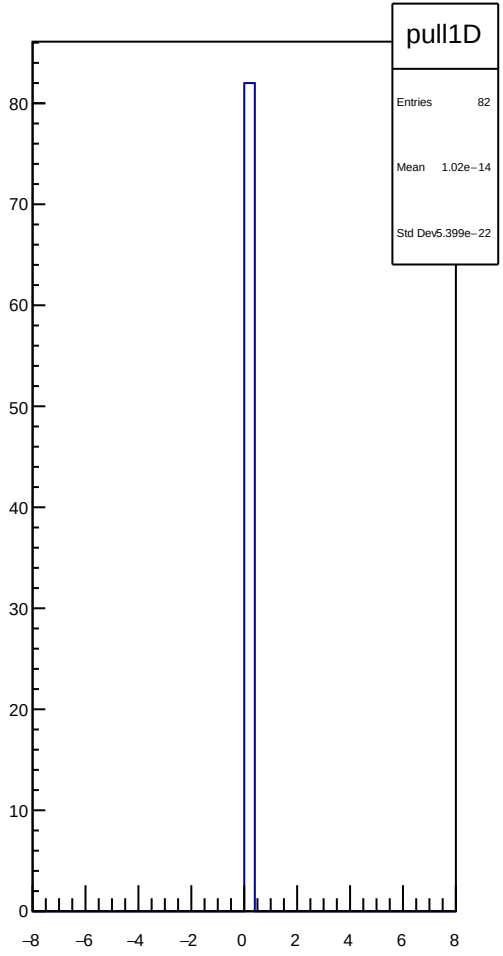

dit_sam2_4aY_slope vs run
χ^2 / ndf 1.816e−25 / 81
p0 8.846 ± 0.02501
9.1
9
8.9
8.8
8.7
8.6
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−10
−20
−30
−40


pull1D
Entries 82
Mean −4.706e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

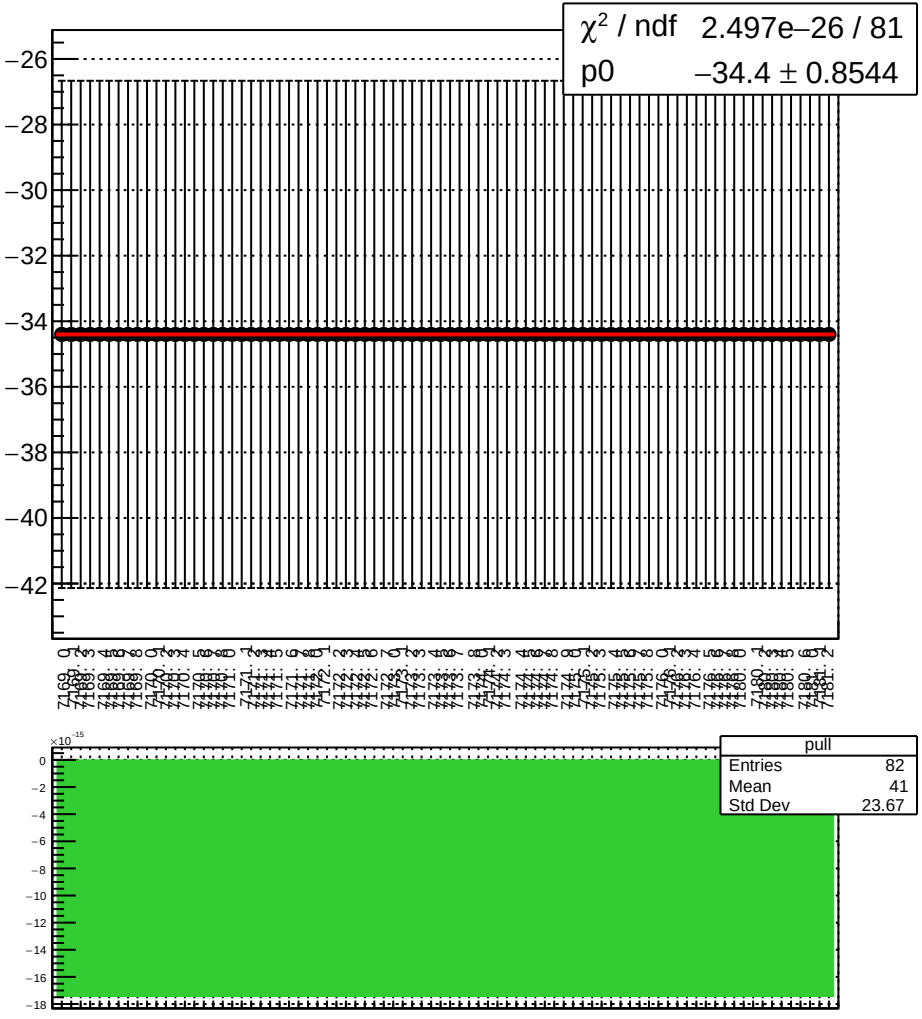

dit_sam2_4eY_slope vs run
χ² / ndf 1.835e−22 / 81
p0 −179.4 ± 0.04196
−179
−179.1
−179.2
−179.3
−179.4
−179.5
−179.6
−179.7
−179.8
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
1.4
1.2
1
0.8
0.6
0.4
0.2
0

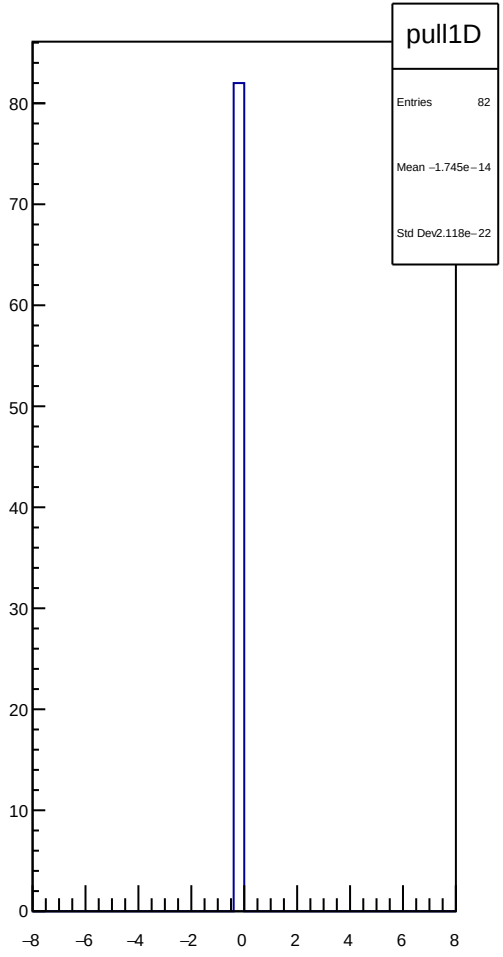

pull1D
Entries 82
Mean 1.496e−12
Std Dev 5.421e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_4aX_slope vs run
χ^2 / ndf 8.536e−27 / 81
p0 −34.9 ± 0.846
pull
Entries 82
Mean 41
Std Dev 23.67

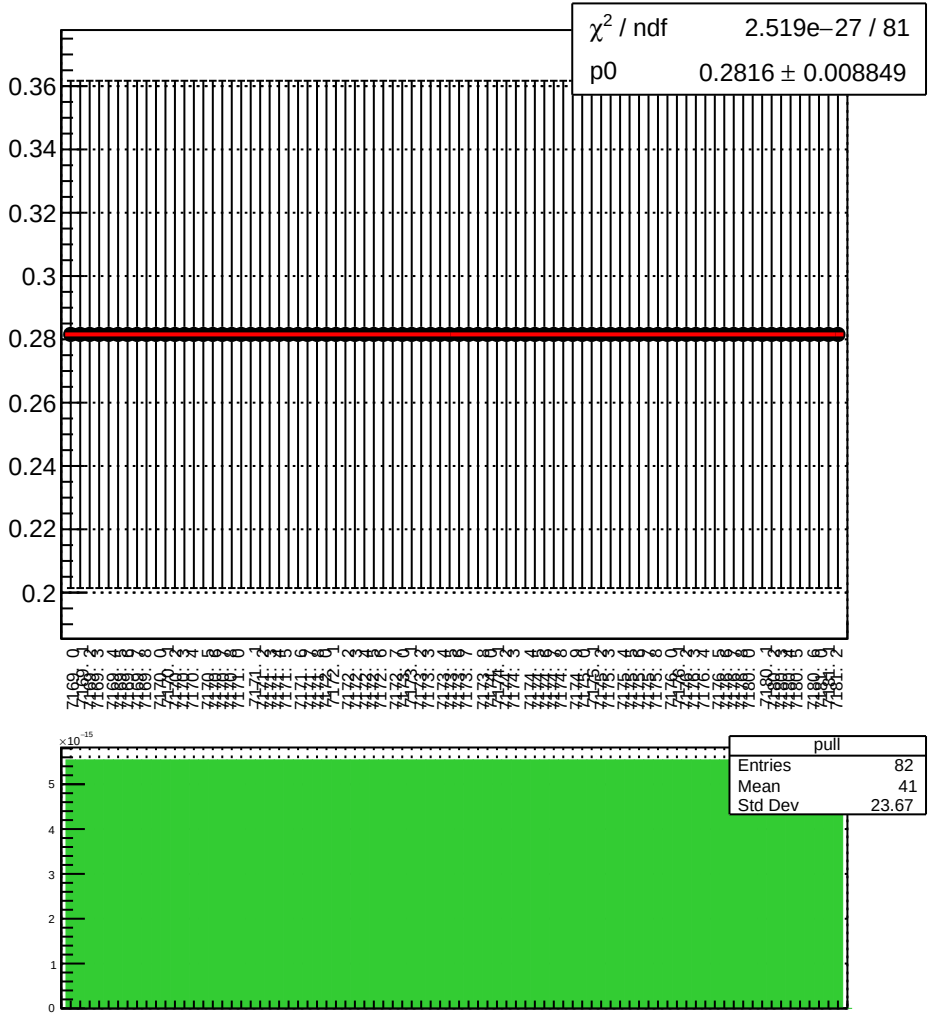

pull1D
Entries 82
Mean 1.02e−14
Std Dev 5.399e−22

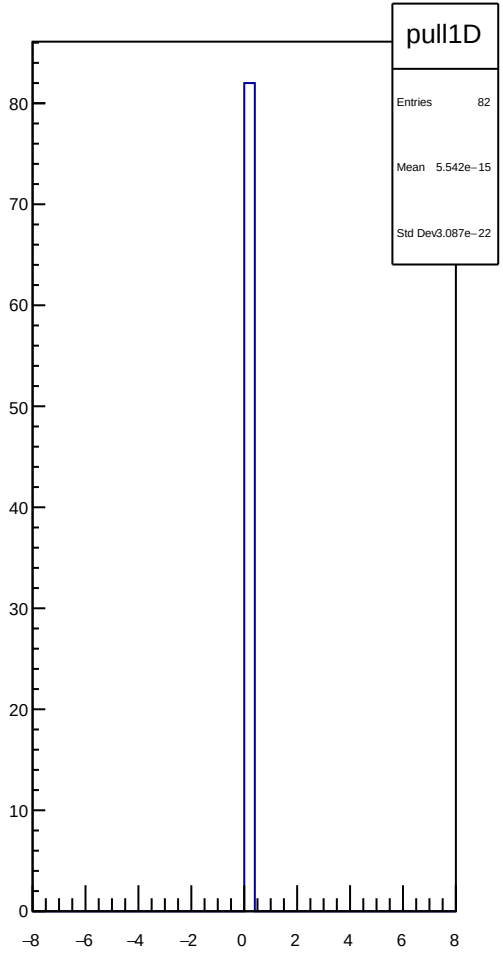
dit_sam3_4eX_slope vs run

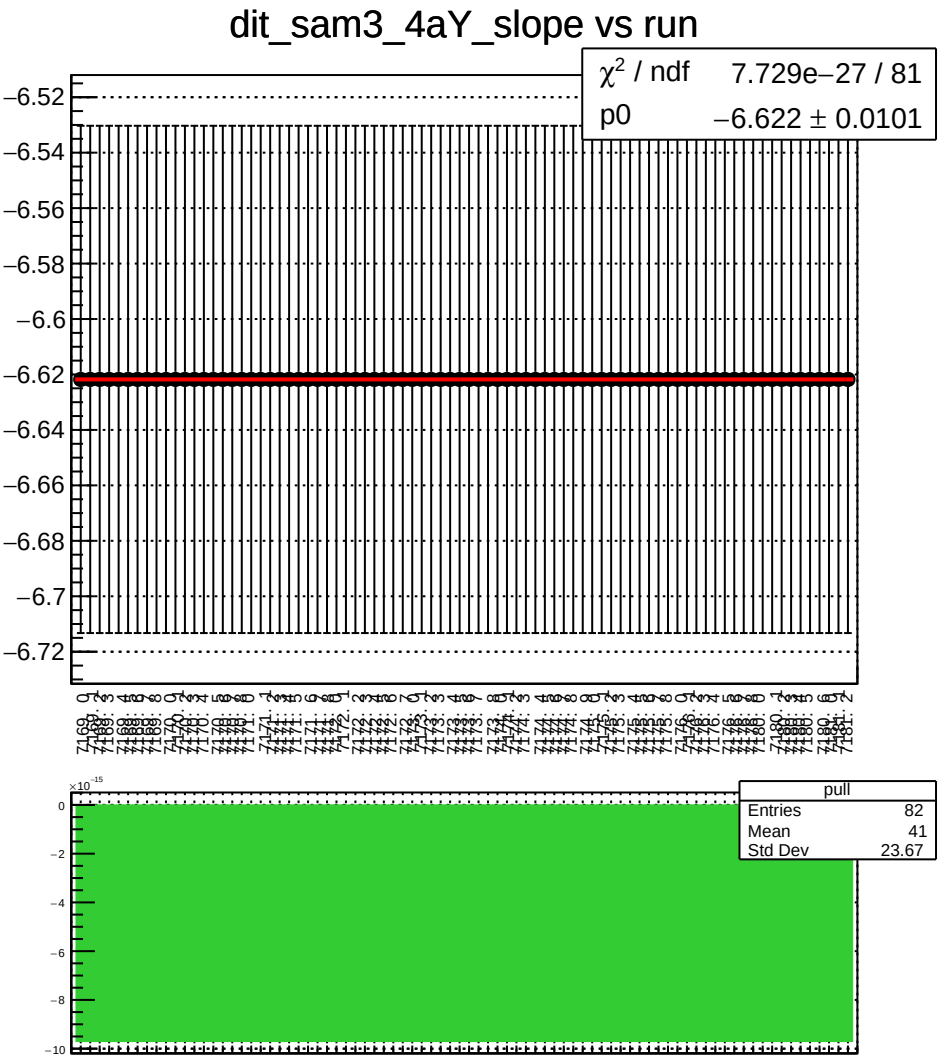


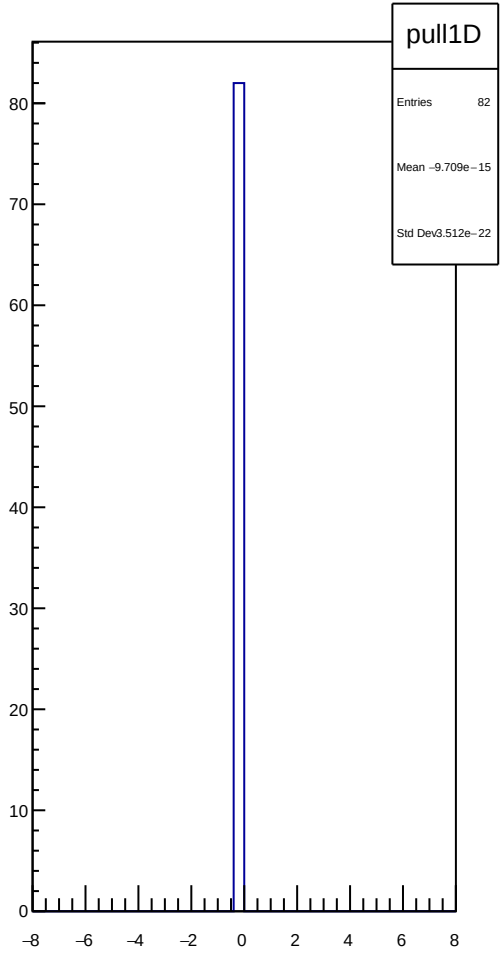


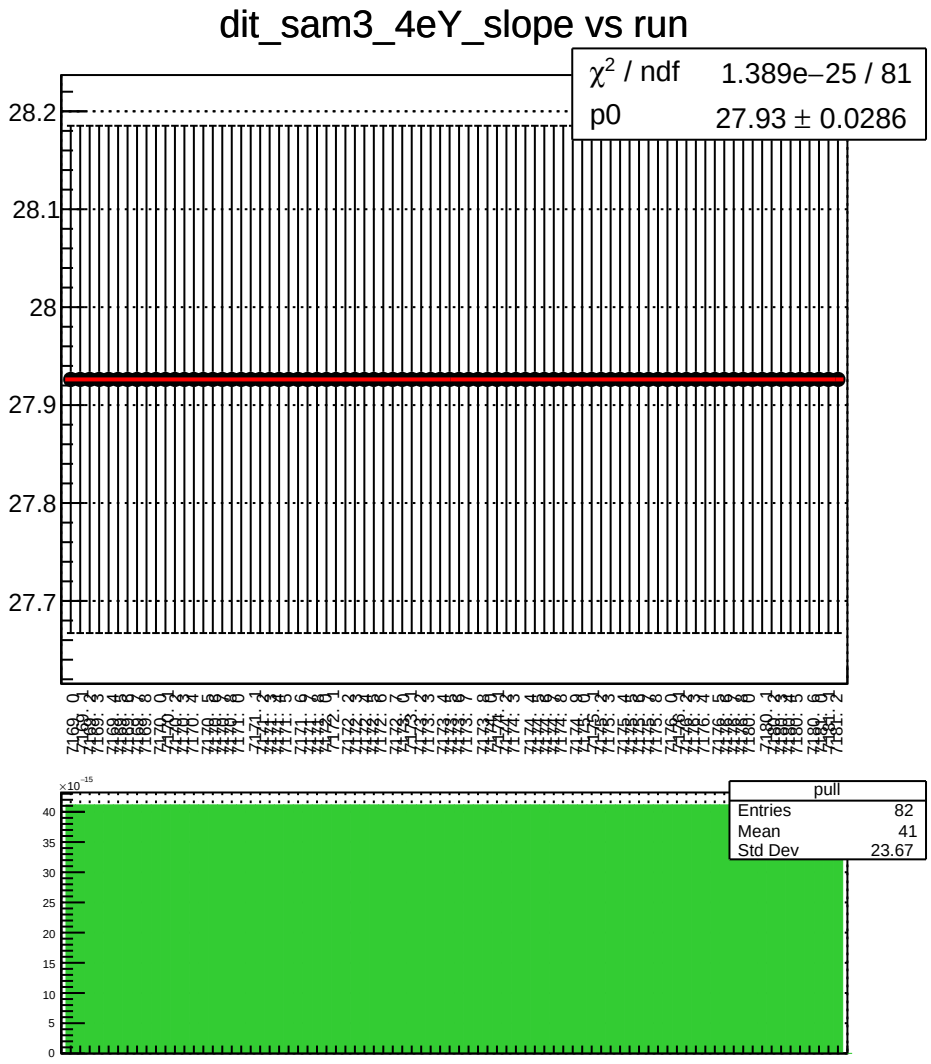
dit_sam3_11X12X_slope vs run

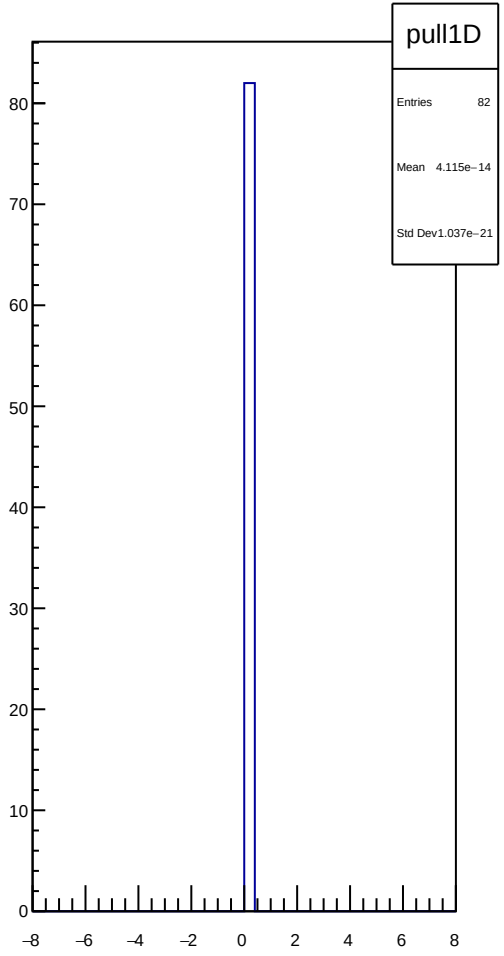




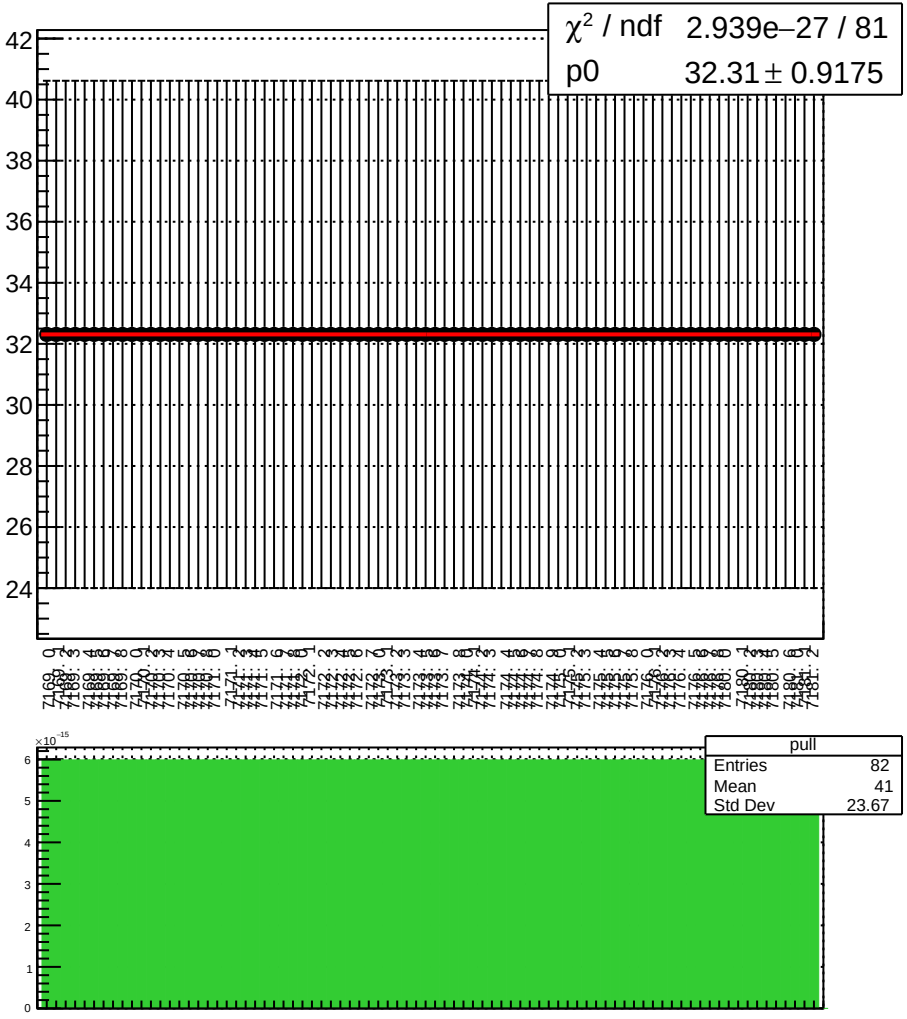

dit_sam3_4aY_slope vs run
χ^2 / ndf 7.729e−27 / 81
p0 −6.622 ± 0.0101
−6.52
−6.54
−6.56
−6.58
−6.6
−6.62
−6.64
−6.66
−6.68
−6.7
−6.72
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10

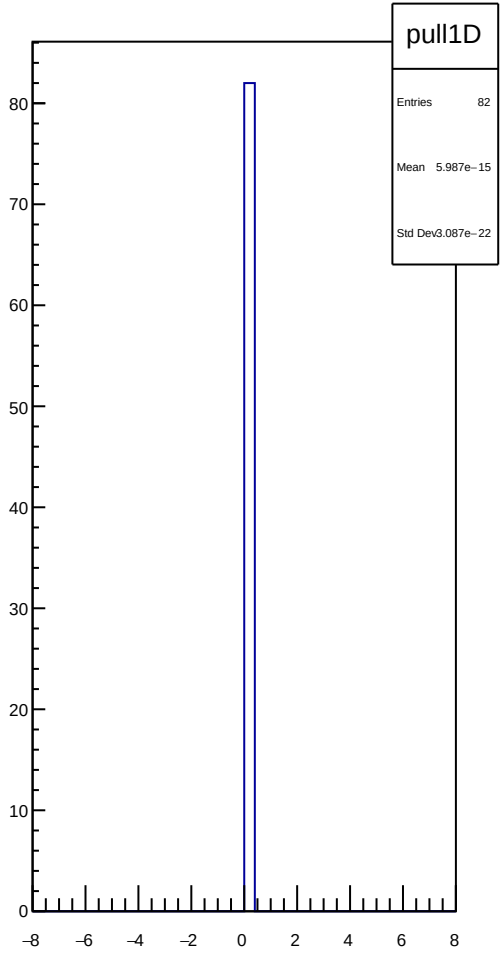

pull1D
Entries 82
Mean −9.709e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

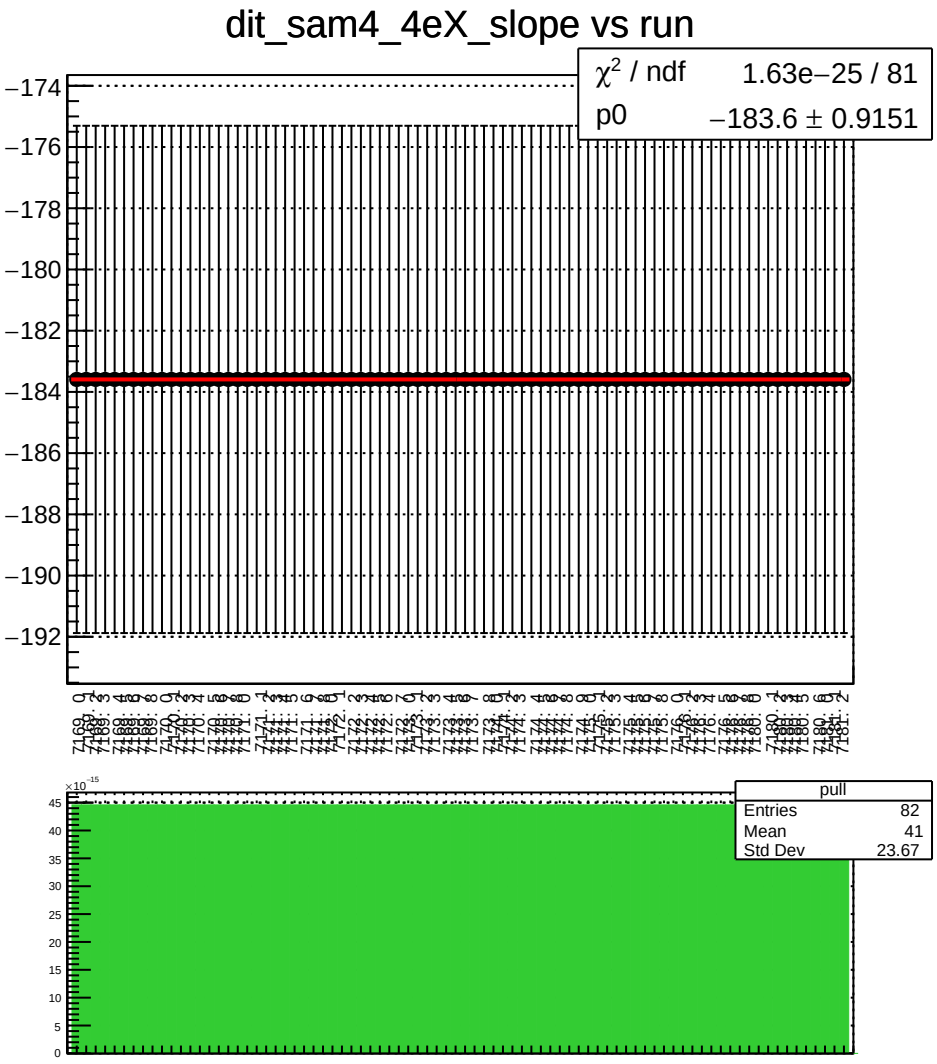

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.389e−25 / 81
p0 27.93 ± 0.0286
28.2
28.1
28
27.9
27.8
27.7
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
40
35
30
25
20
15
10
5
0

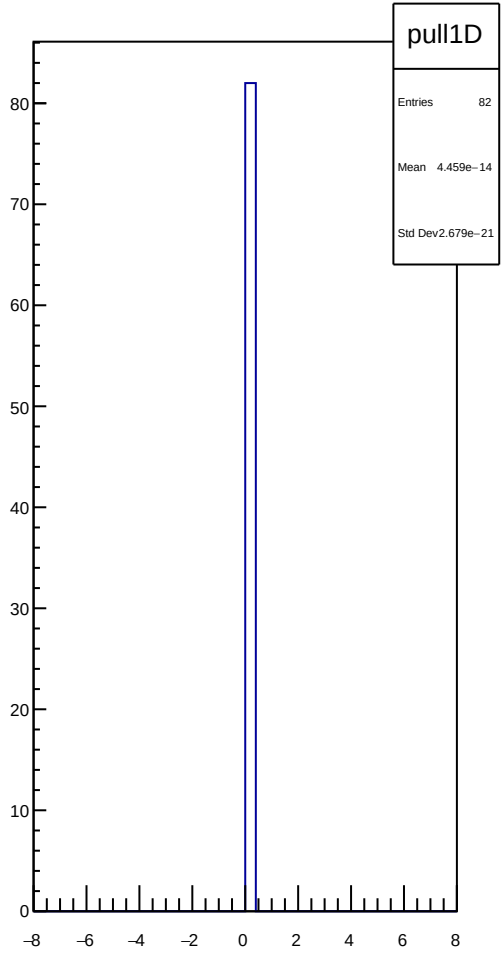

pull1D
Entries 82
Mean 4.115e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

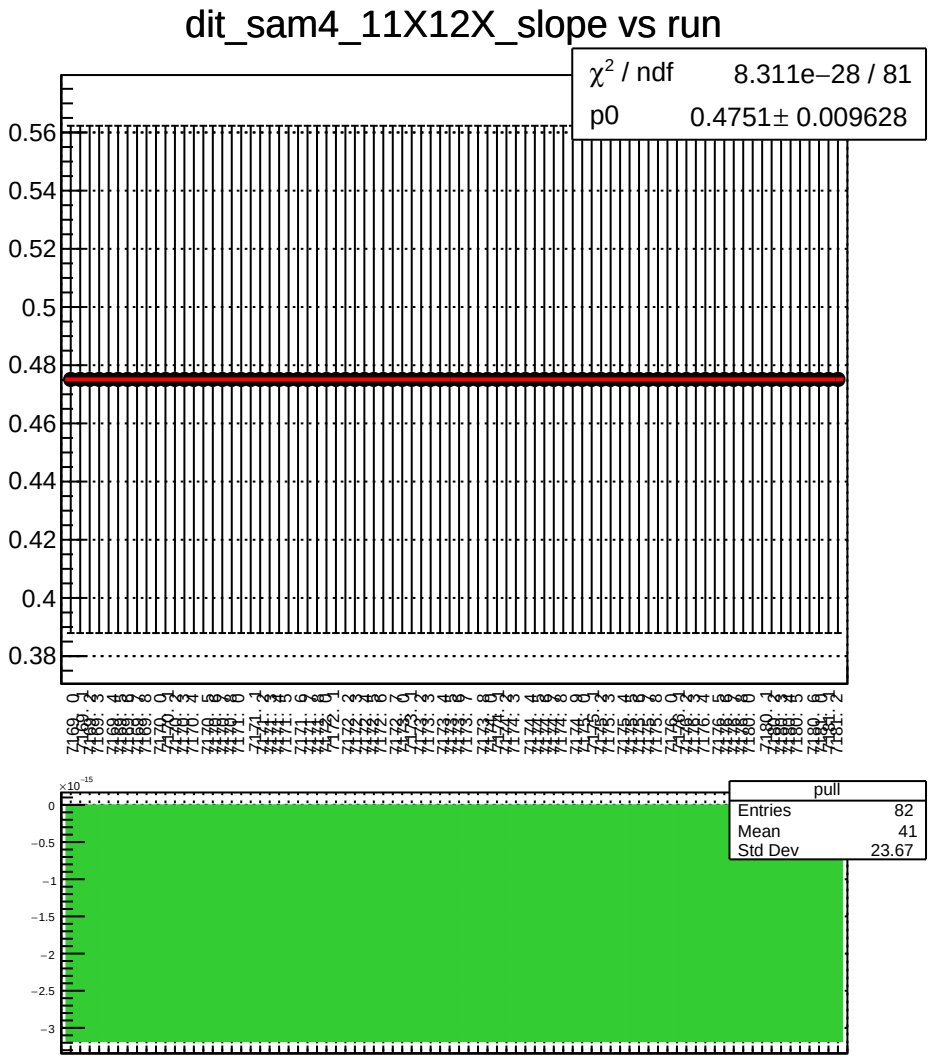
dit_sam4_4aX_slope vs run

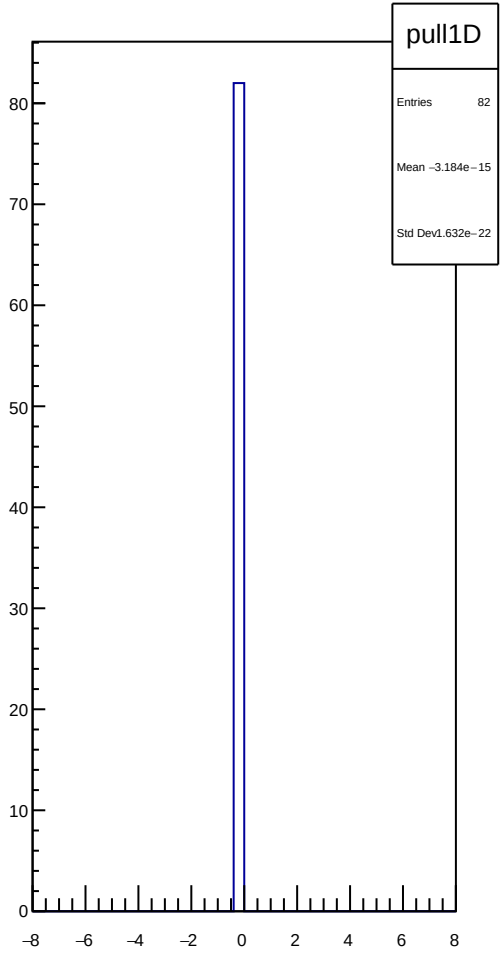


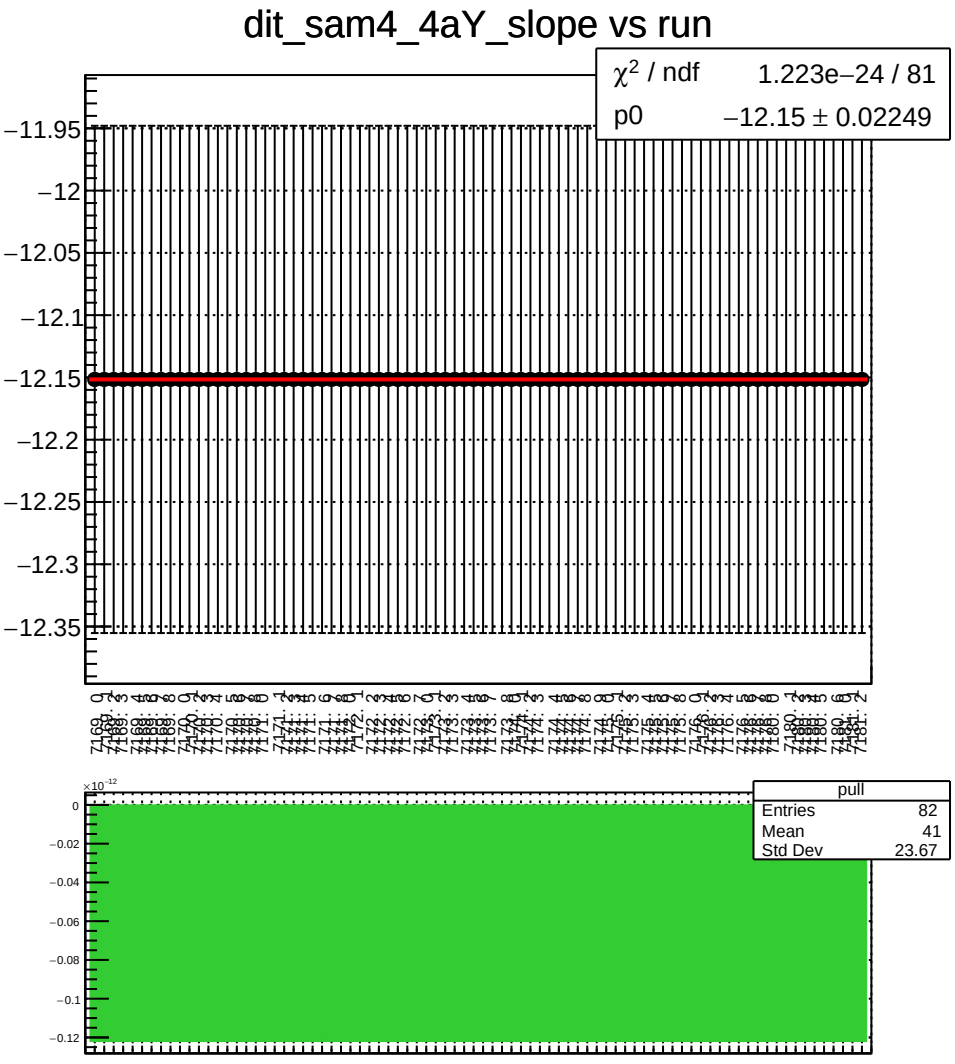


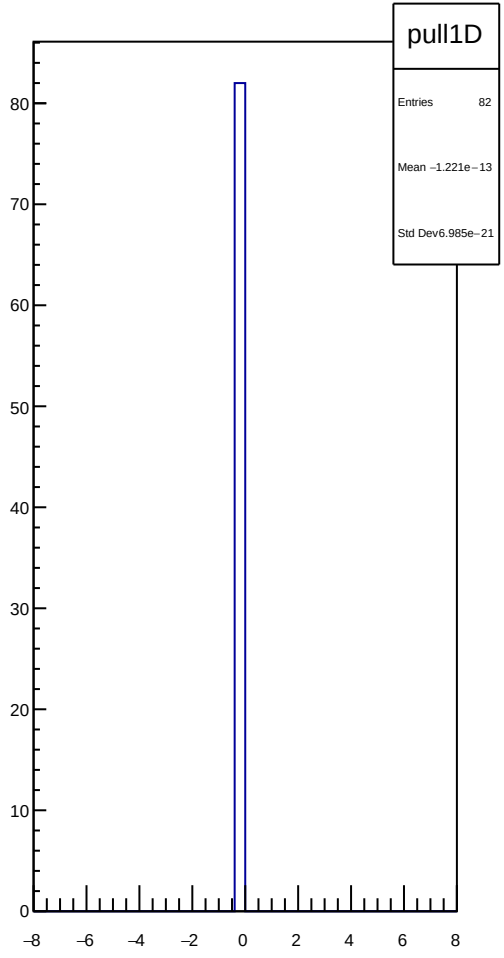

dit_sam4_4eX_slope vs run
χ^2 / ndf 1.63e−25 / 81
p0 −183.6 ± 0.9151
−174
−176
−178
−180
−182
−184
−186
−188
−190
−192
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-15}$
45
40
35
30
25
20
15
10
5
0


pull1D
Entries 82
Mean 4.459e−14
Std Dev 2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

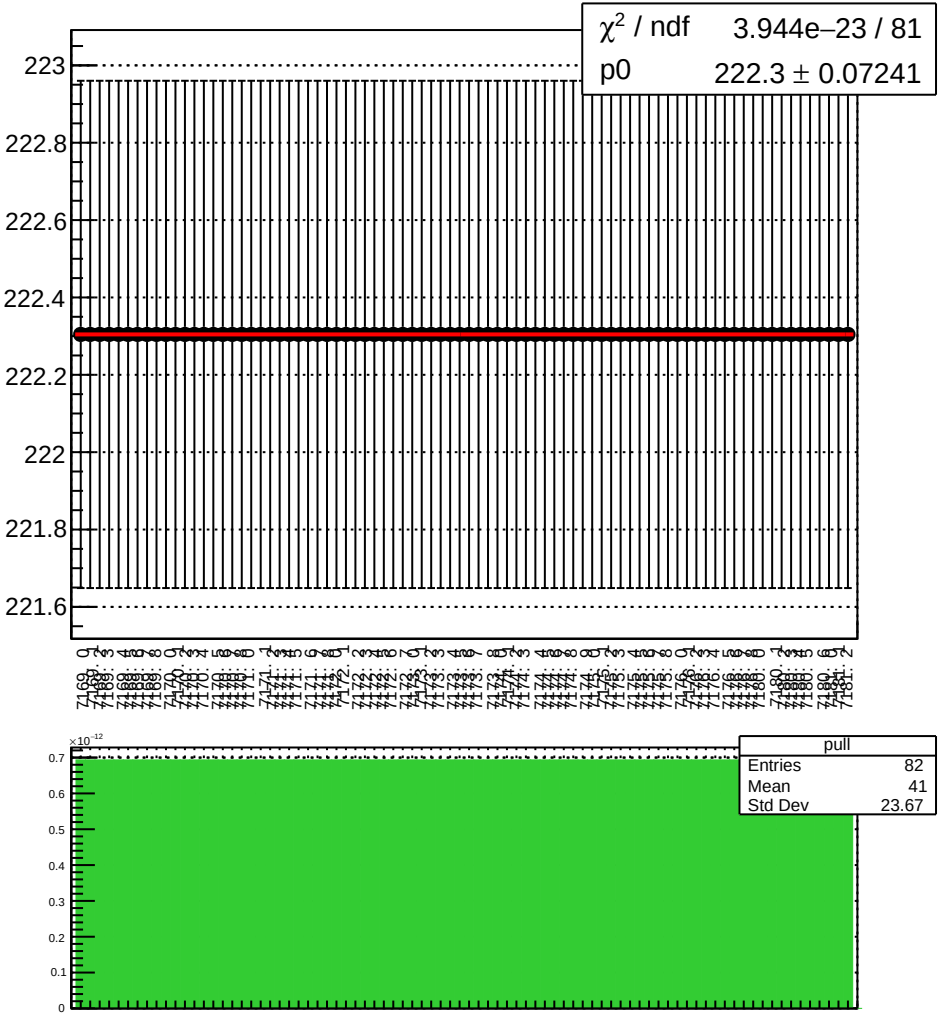

dit_sam4_11X12X_slope vs run
χ^2 / ndf 8.311e−28 / 81
p0 0.4751± 0.009628
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3

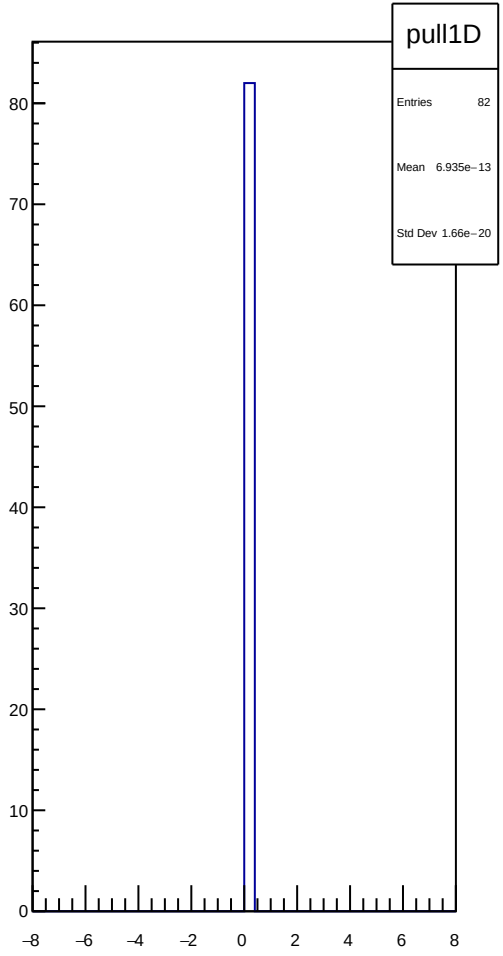

pull1D
Entries 82
Mean −3.184e−15
Std Dev1.632e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

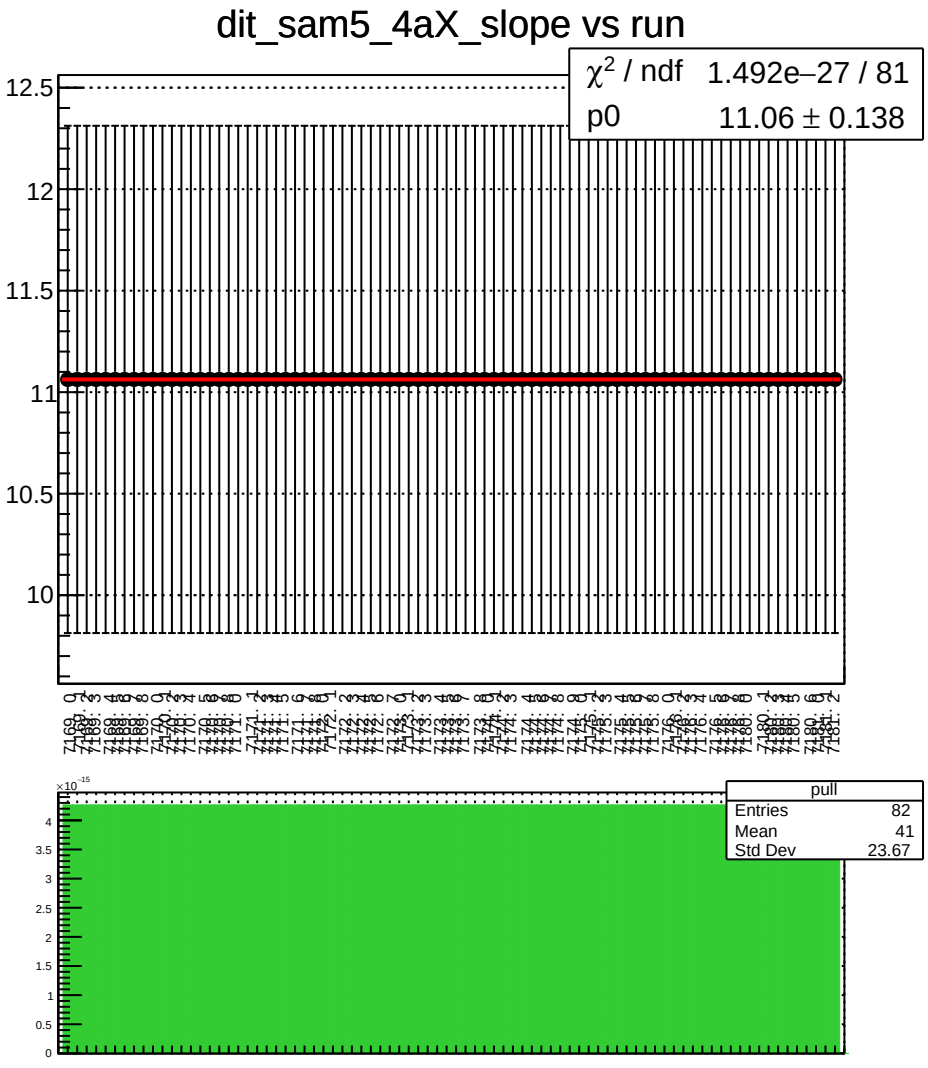

dit_sam4_4aY_slope vs run
χ² / ndf 1.223e−24 / 81
p0 −12.15 ± 0.02249
−11.95
−12
−12.05
−12.1
−12.15
−12.2
−12.25
−12.3
−12.35
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

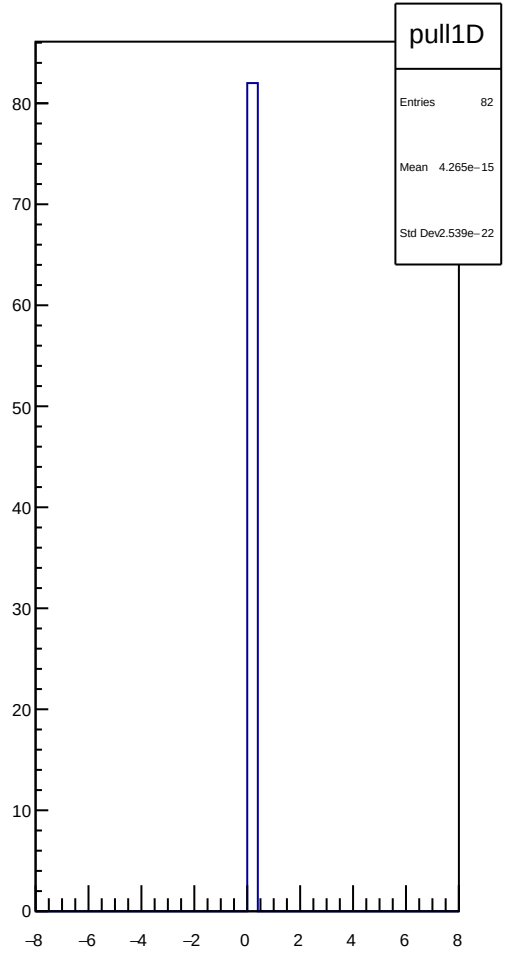

pull1D
Entries 82
Mean −1.221e−13
Std Dev 6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run

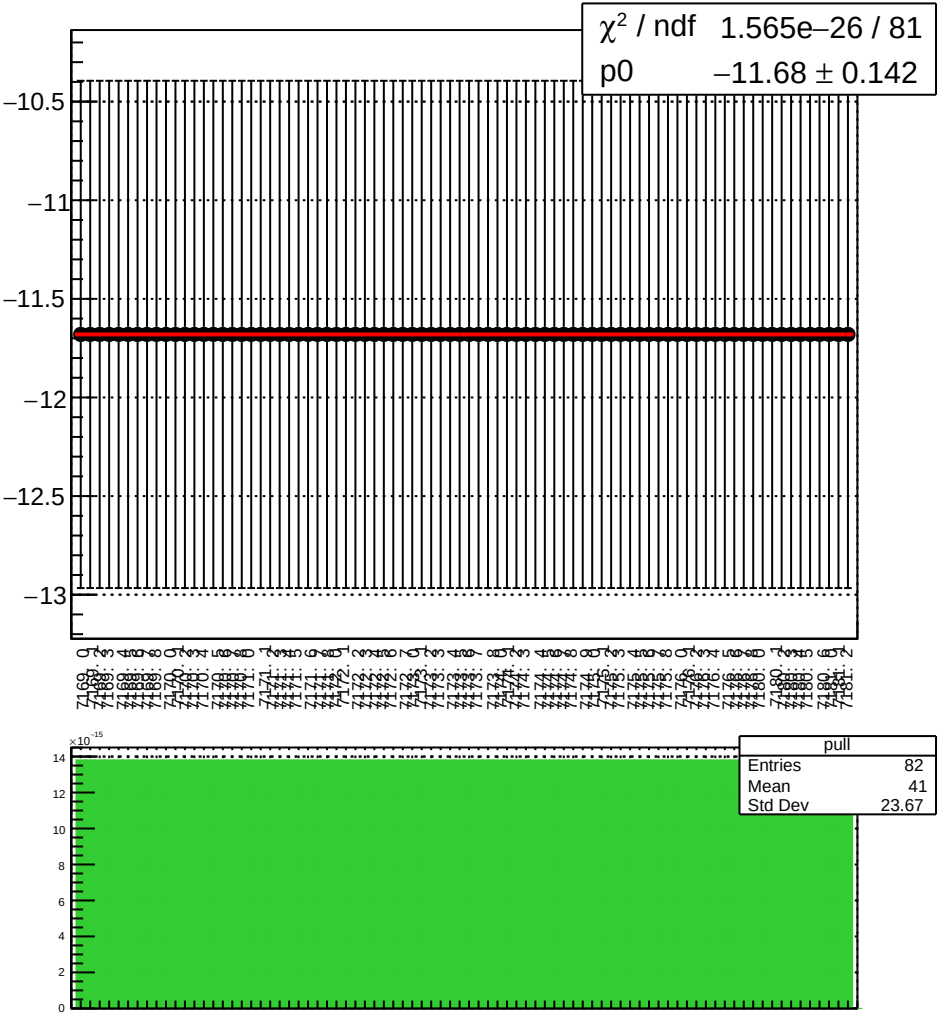


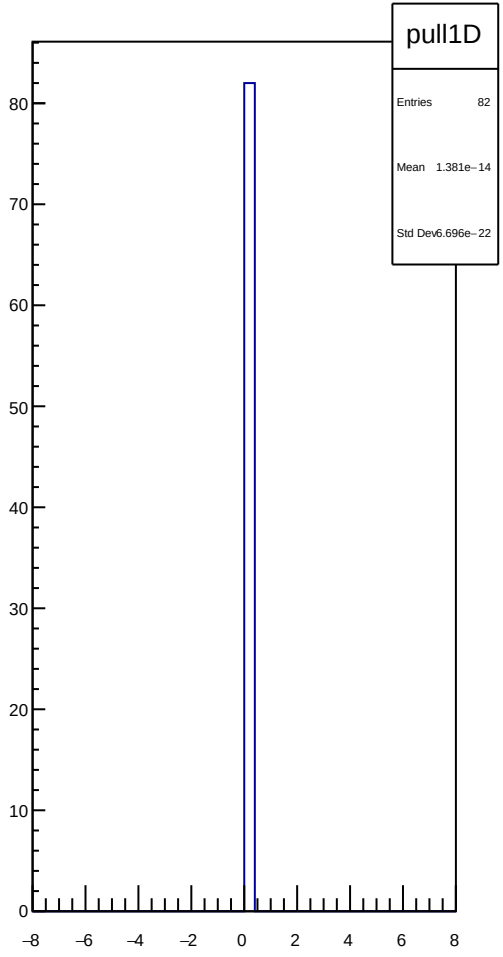



dit_sam5_4aX_slope vs run
χ² / ndf 1.492e−27 / 81
p0 11.06 ± 0.138
12.5
12
11.5
11
10.5
10
pull
Entries 82
Mean 41
Std Dev 23.67
×10⁻¹⁵
4
3.5
3
2.5
2
1.5
1
0.5
0

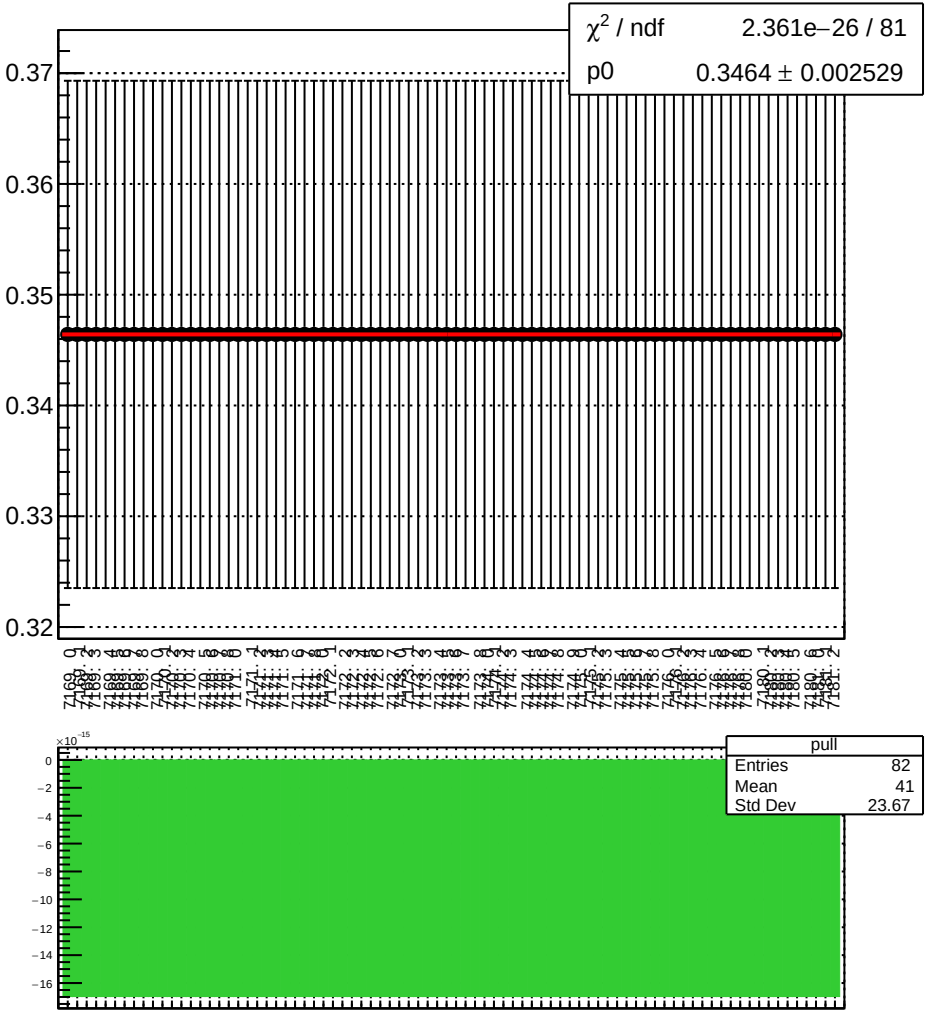

pull1D
Entries 82
Mean 4.265e−15
Std Dev 2.539e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

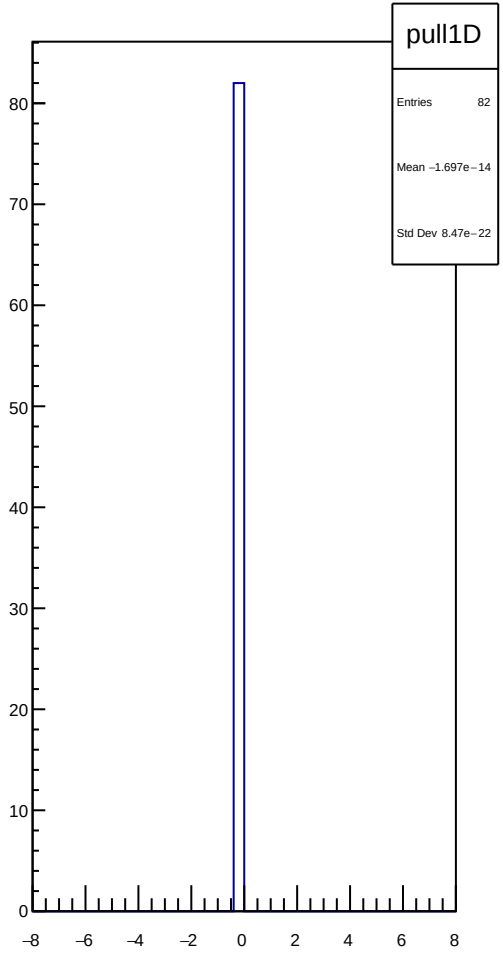
dit_sam5_4eX_slope vs run



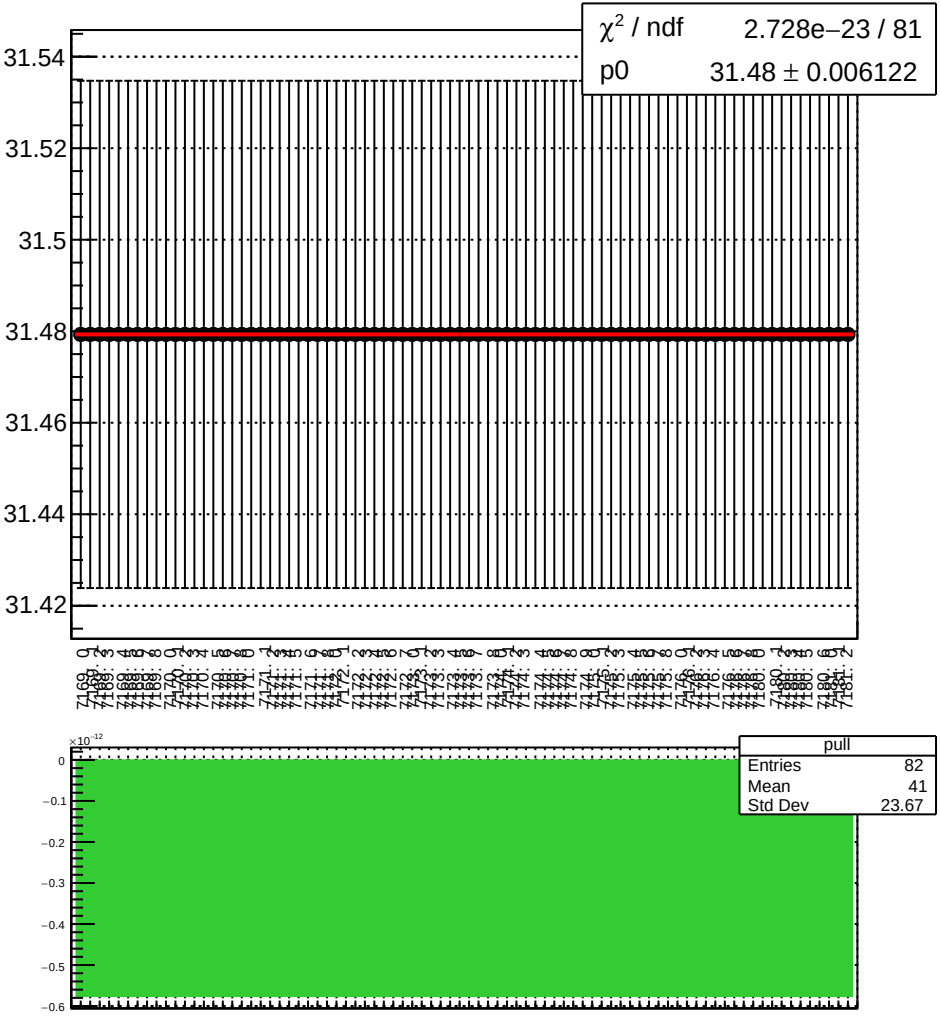


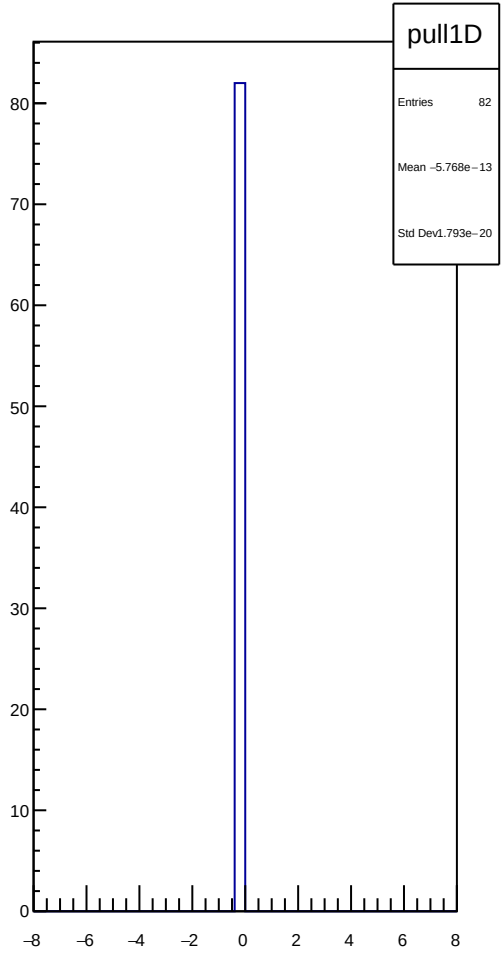
dit_sam5_11X12X_slope vs run

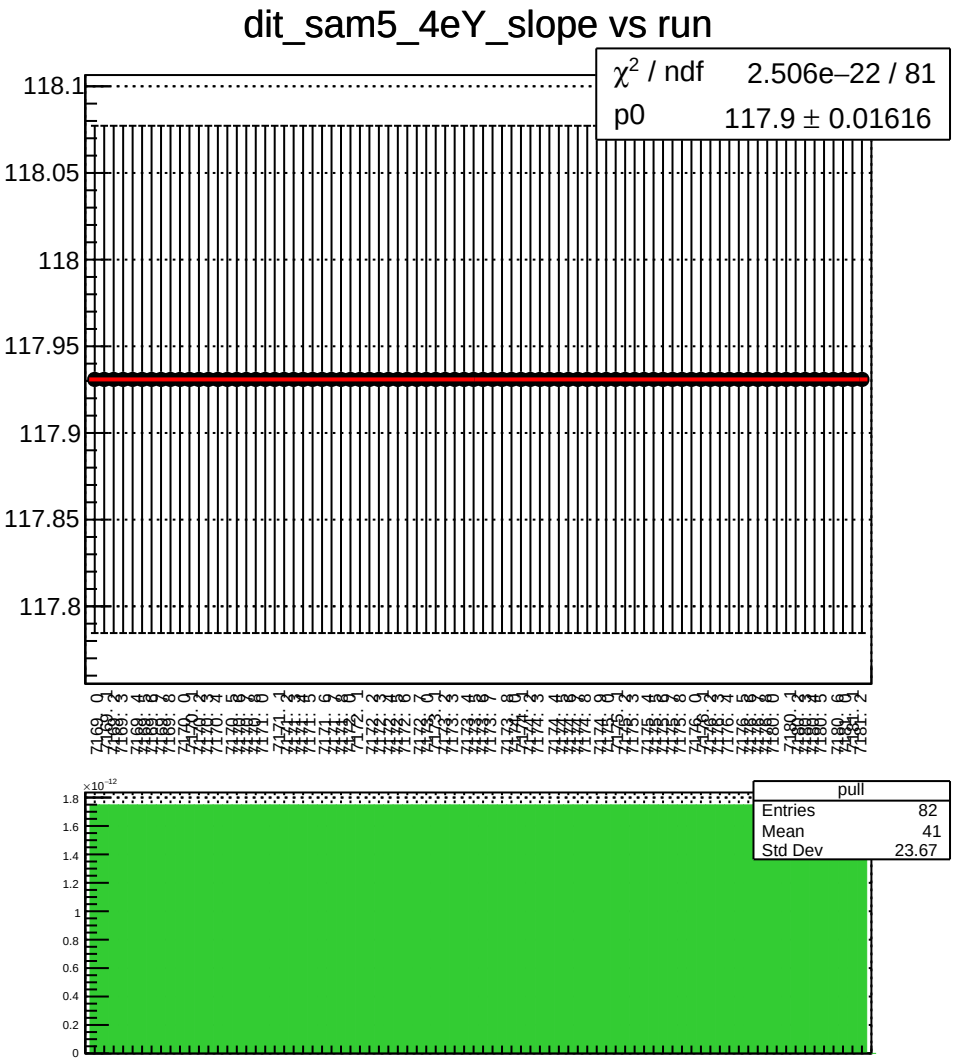


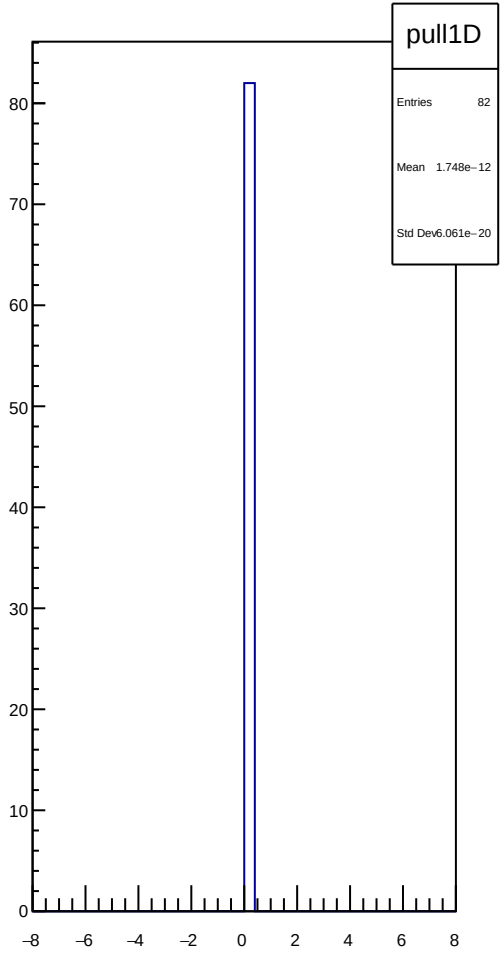


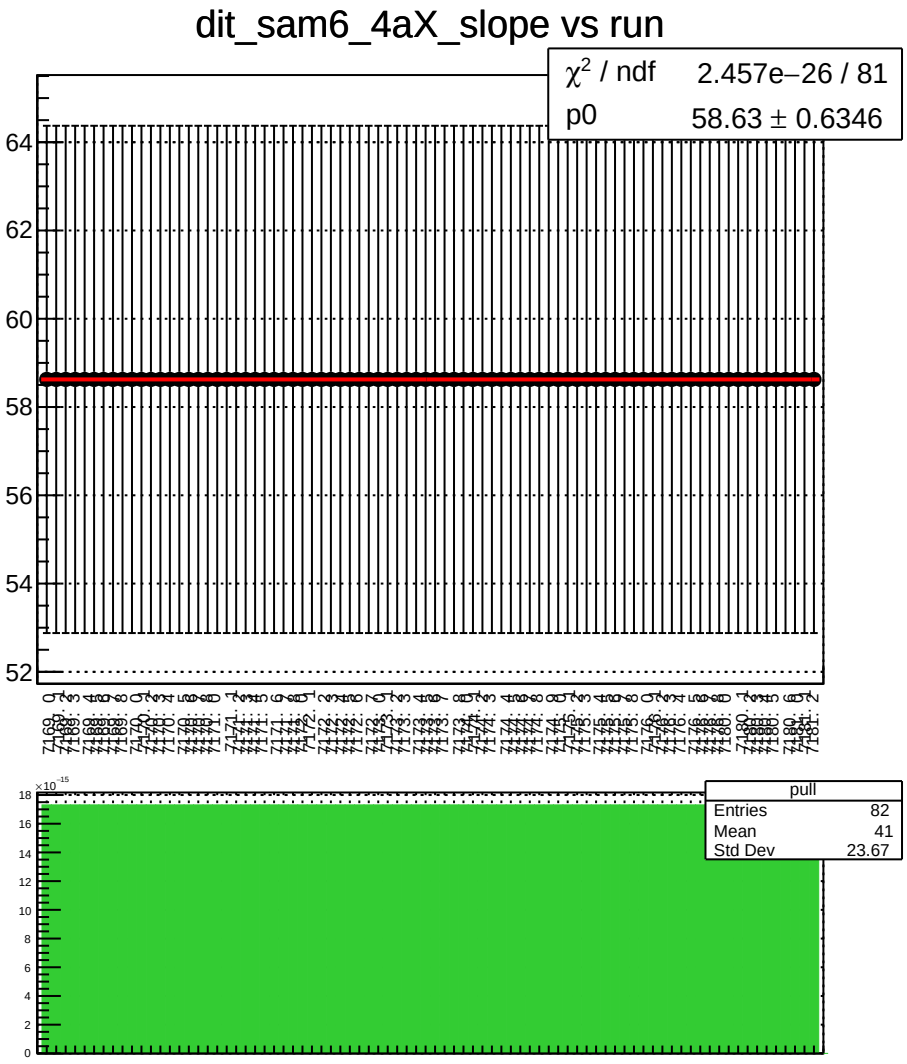
dit_sam5_4aY_slope vs run

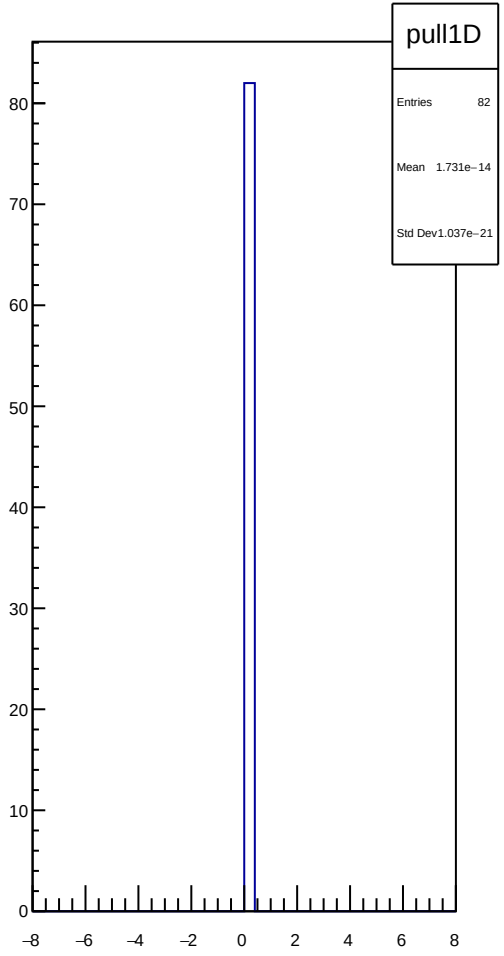




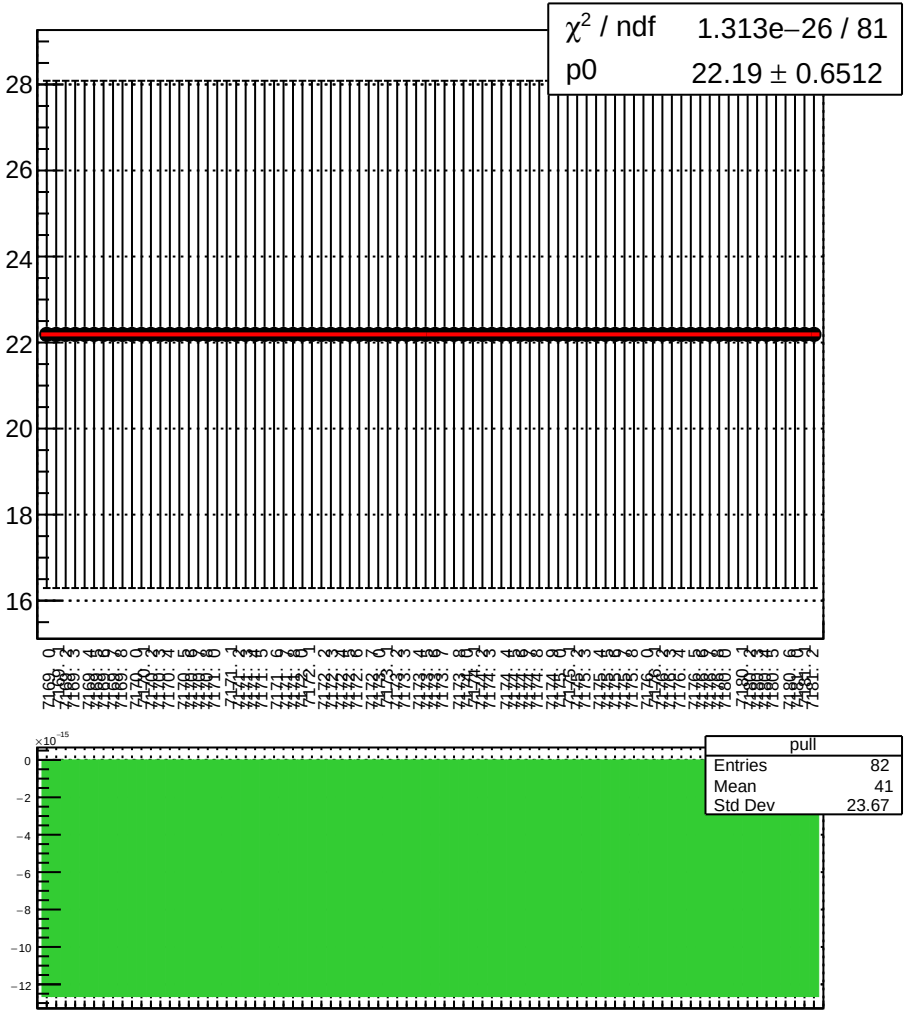

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.506e−22 / 81
p0 117.9 ± 0.01616
118.1
118.05
118
117.95
117.9
117.85
117.8
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

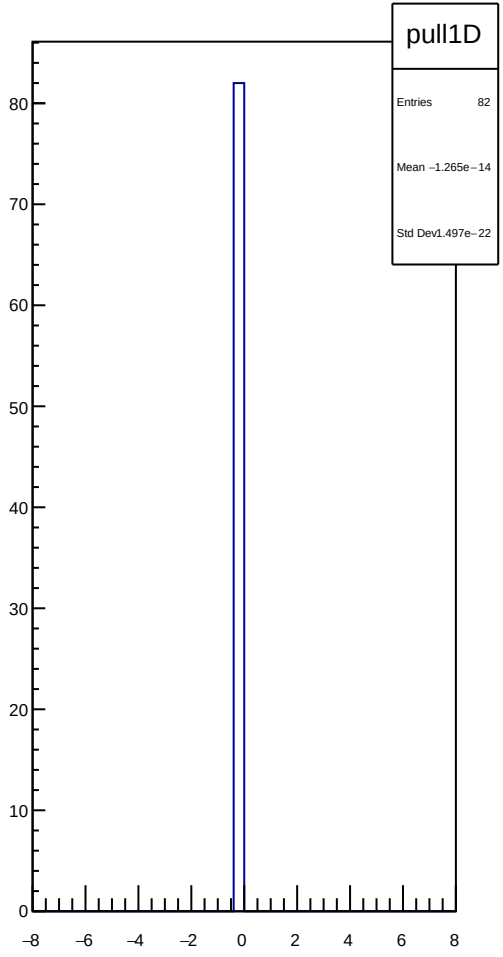

pull1D
Entries 82
Mean 1.748e−12
Std Dev 6.061e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aX_slope vs run
χ^2 / ndf 2.457e−26 / 81
p0 58.63 ± 0.6346
pull
Entries 82
Mean 41
Std Dev 23.67

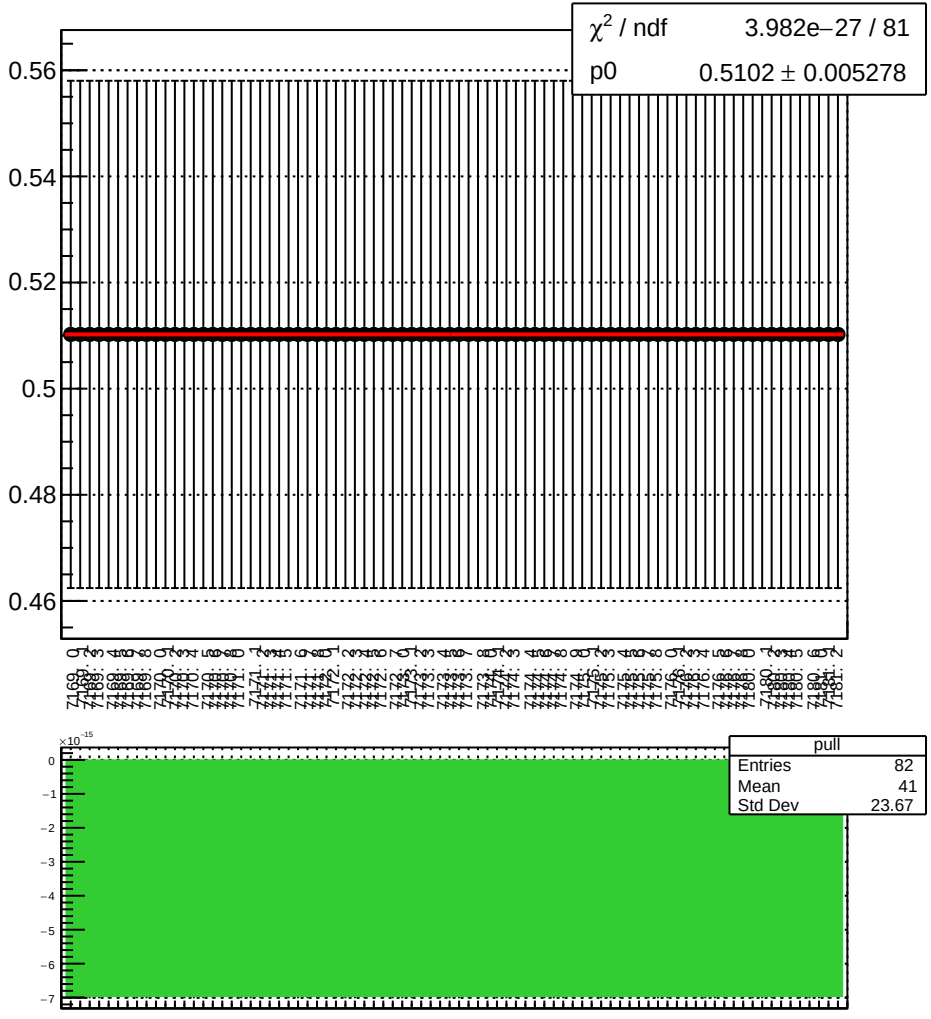

pull1D
Entries 82
Mean 1.731e−14
Std Dev 1.037e−21

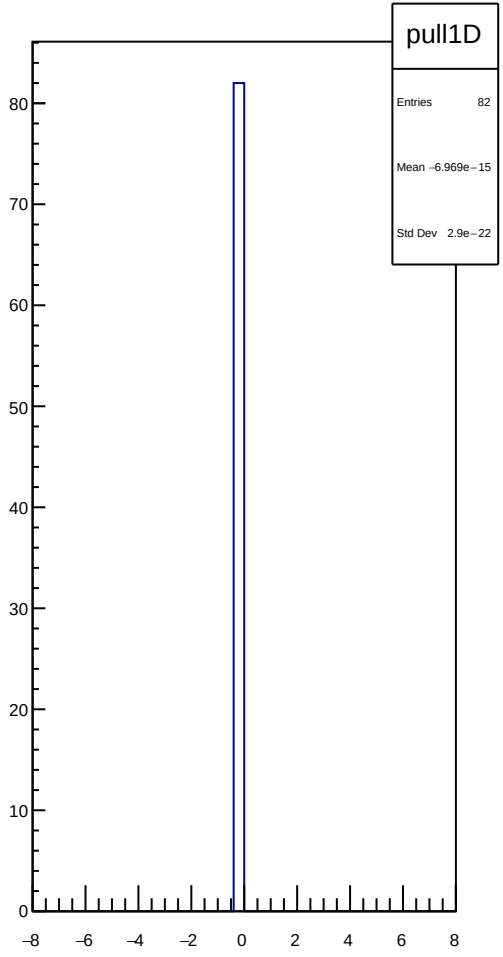
dit_sam6_4eX_slope vs run



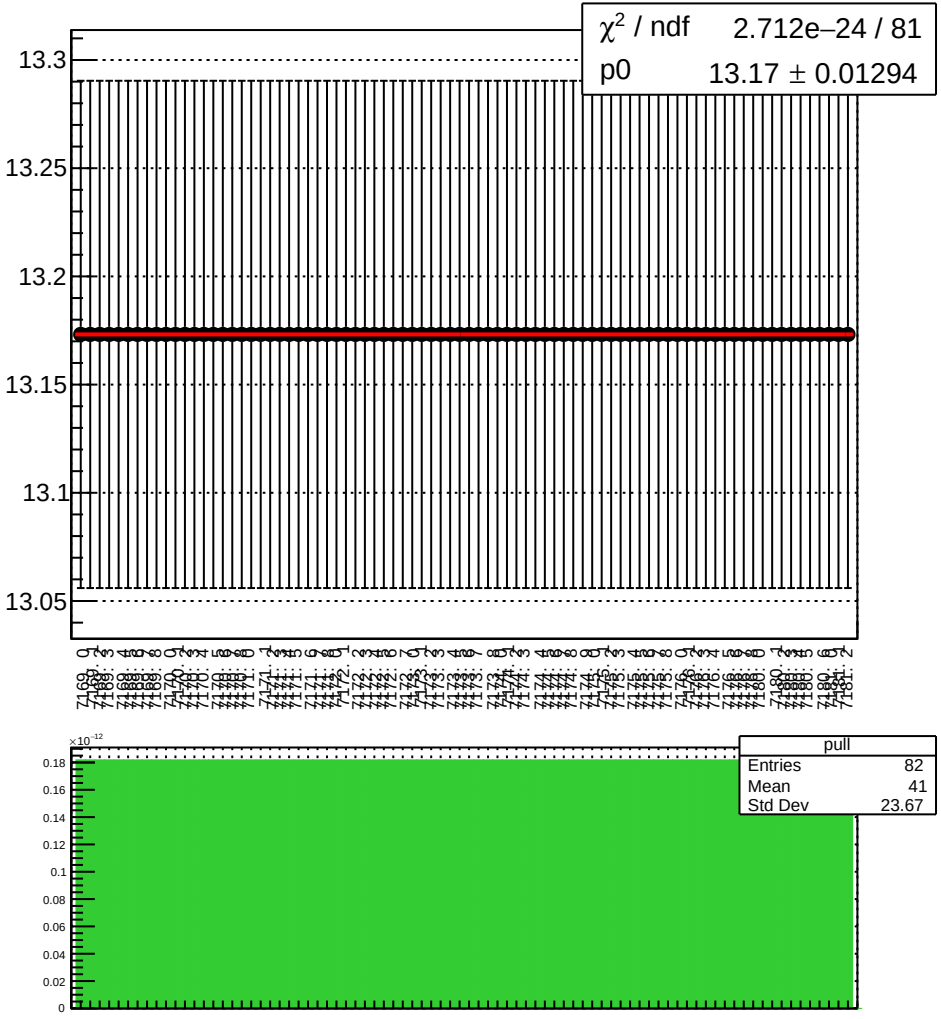


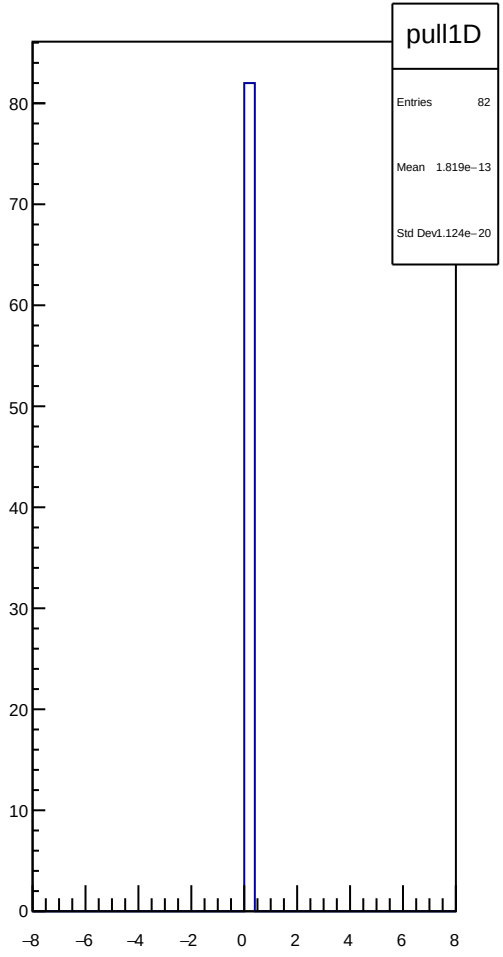
dit_sam6_11X12X_slope vs run

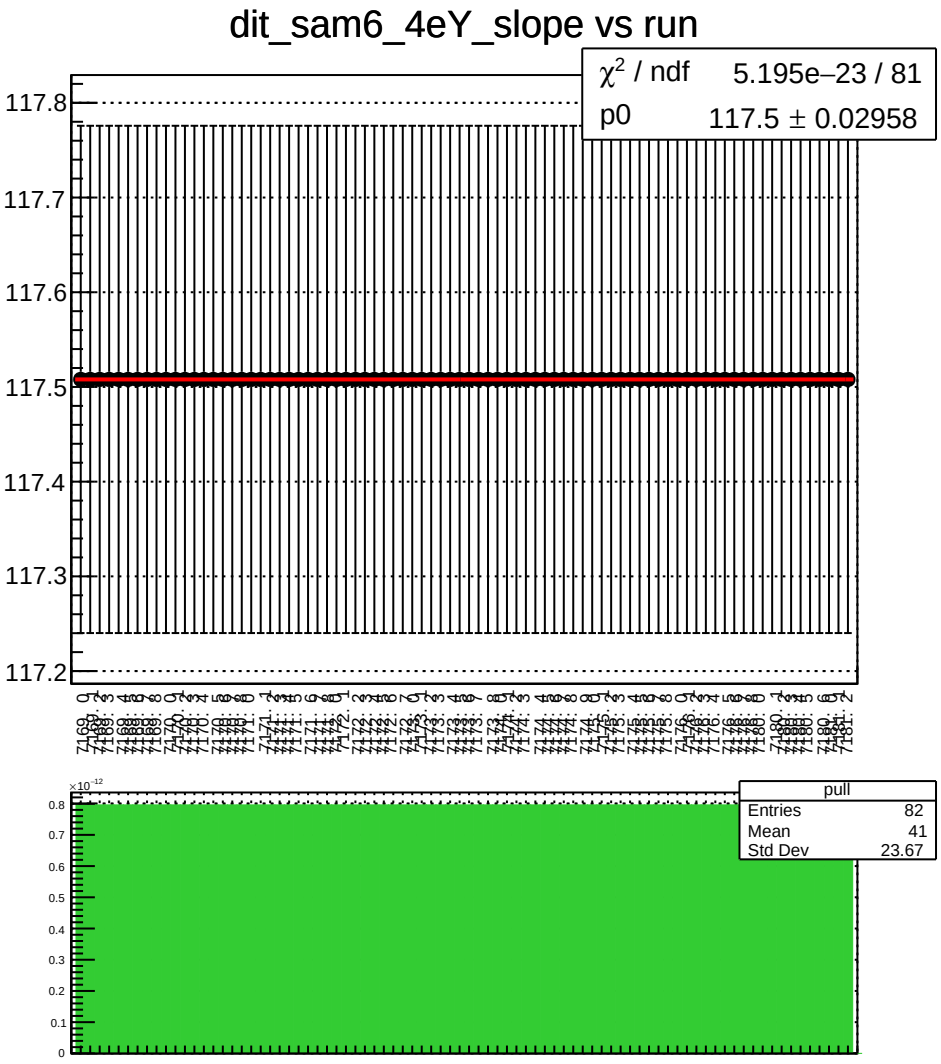


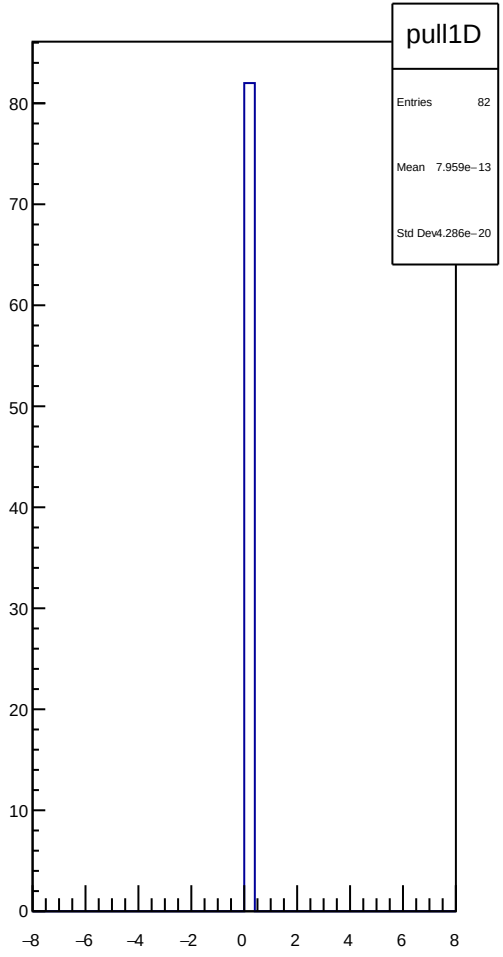


dit_sam6_4aY_slope vs run

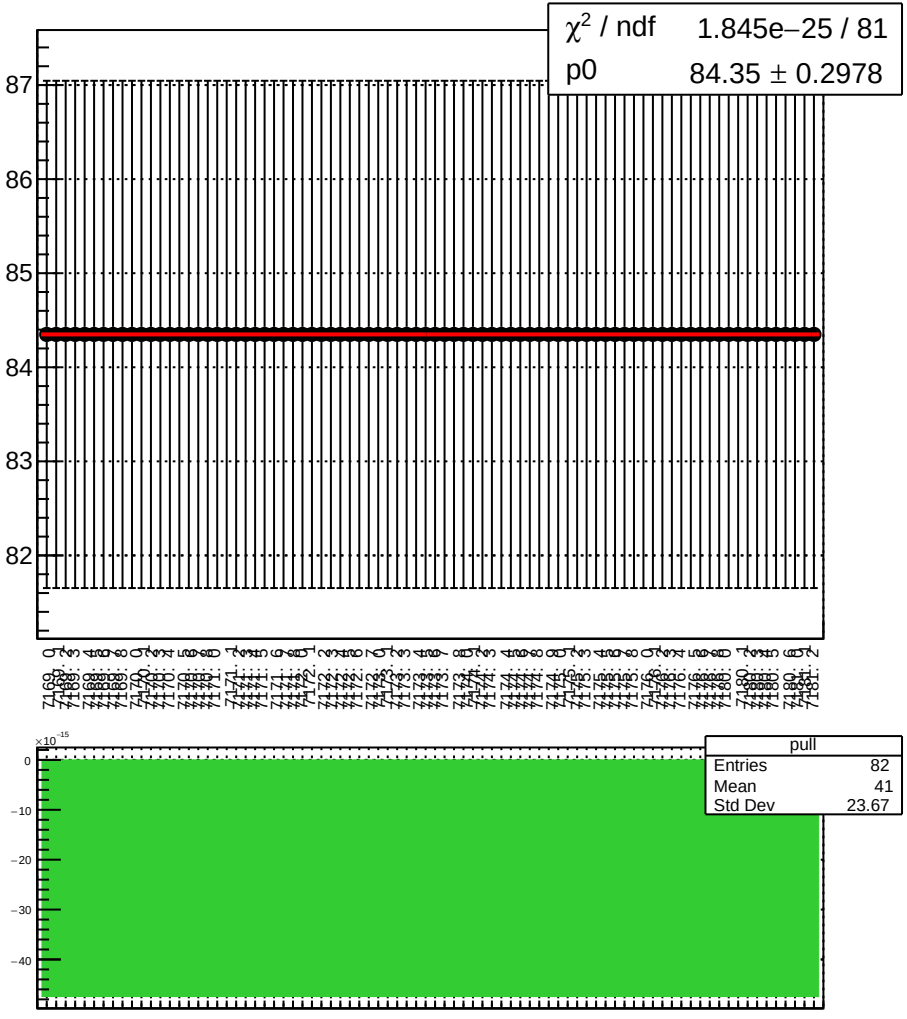


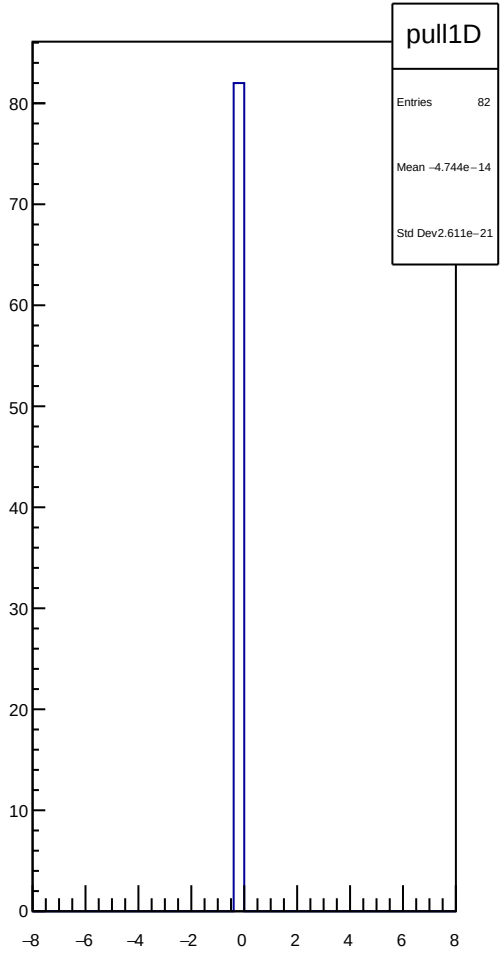


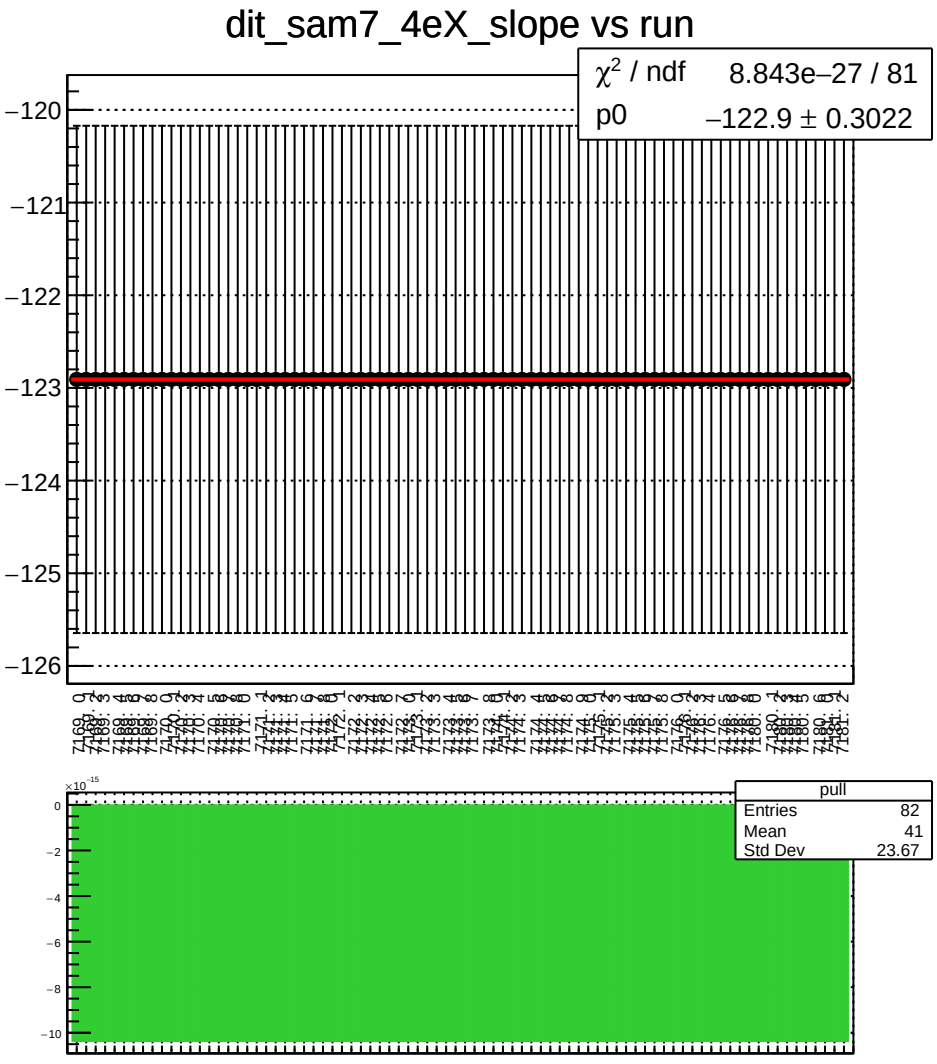

dit_sam6_4eY_slope vs run
χ^2 / ndf 5.195e−23 / 81
p0 117.5 ± 0.02958
117.8
117.7
117.6
117.5
117.4
117.3
117.2
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-12
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

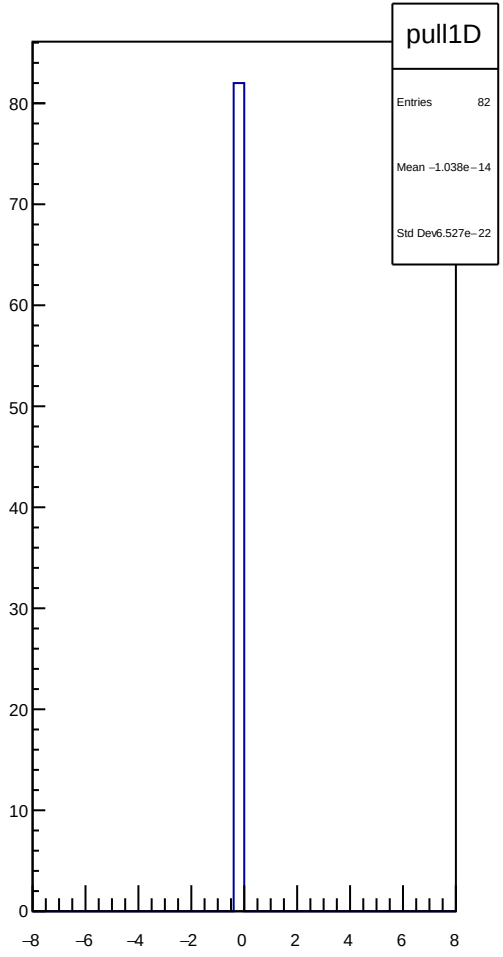

pull1D
Entries 82
Mean 7.959e−13
Std Dev 4.286e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run

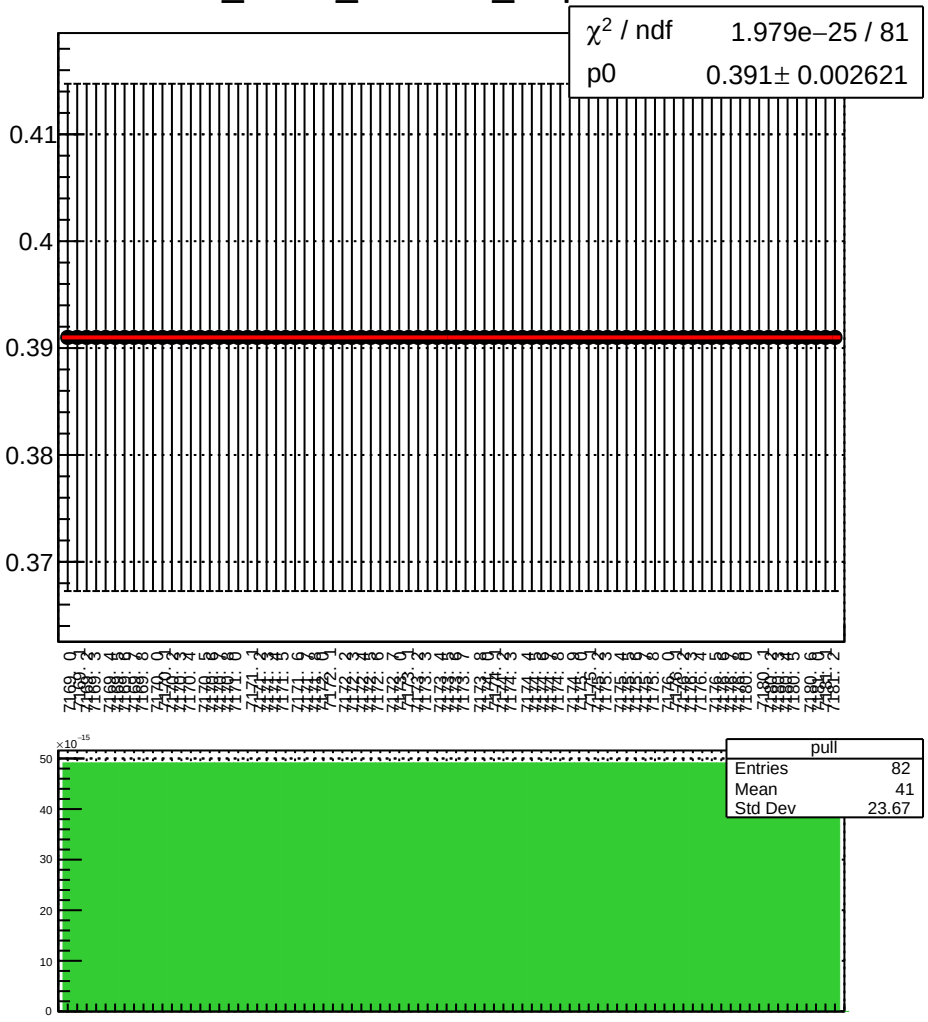


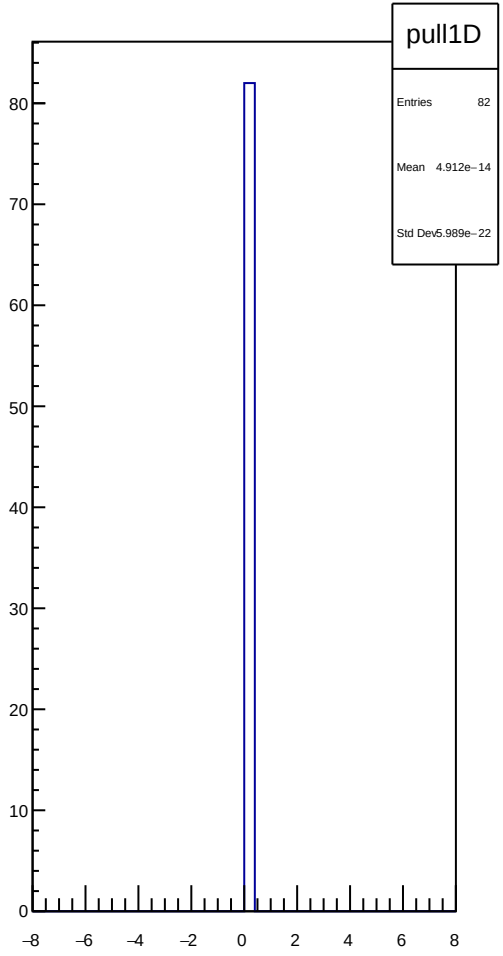


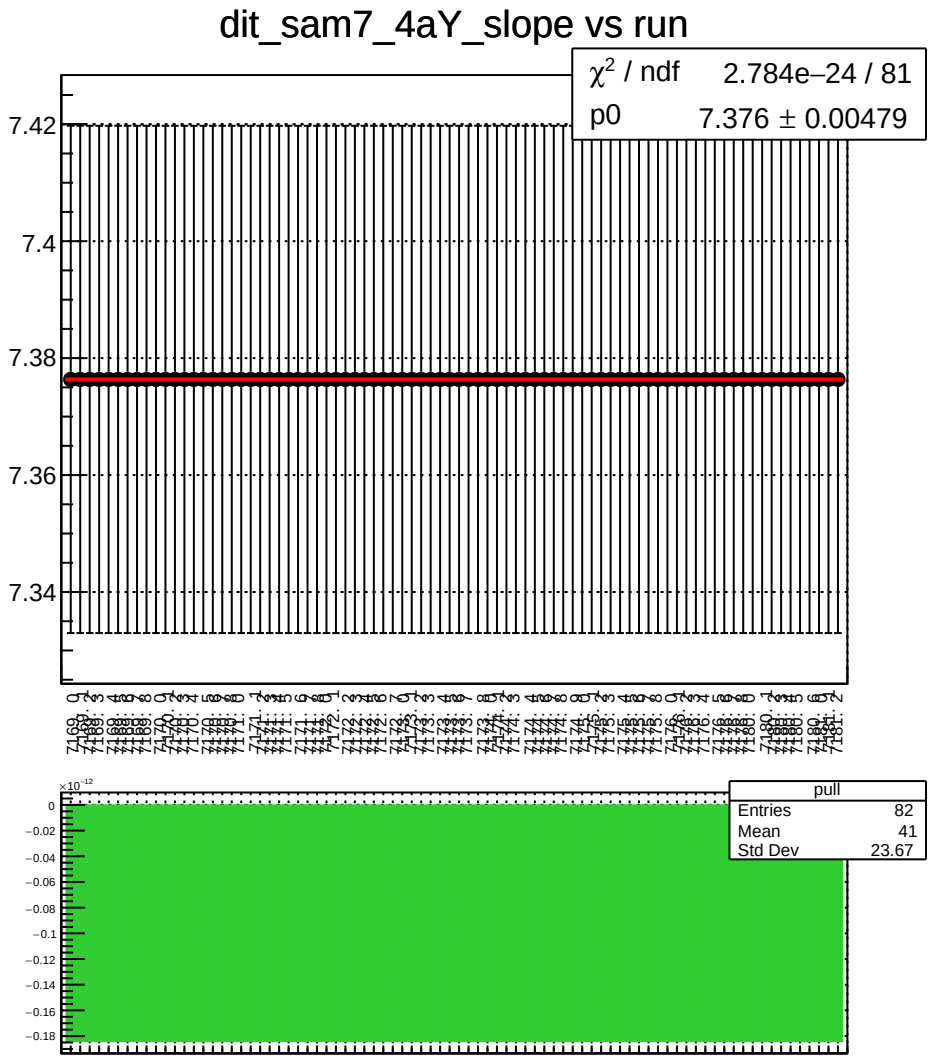

dit_sam7_4eX_slope vs run
χ^2 / ndf 8.843e−27 / 81
p0 −122.9 ± 0.3022
−120
−121
−122
−123
−124
−125
−126
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−15
0
−2
−4
−6
−8
−10

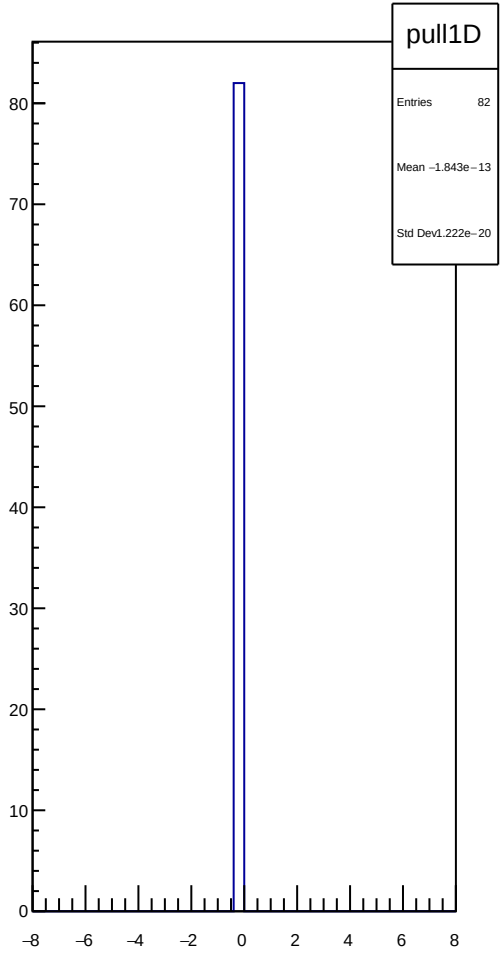

pull1D
Entries 82
Mean −1.038e−14
Std Dev 6.527e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

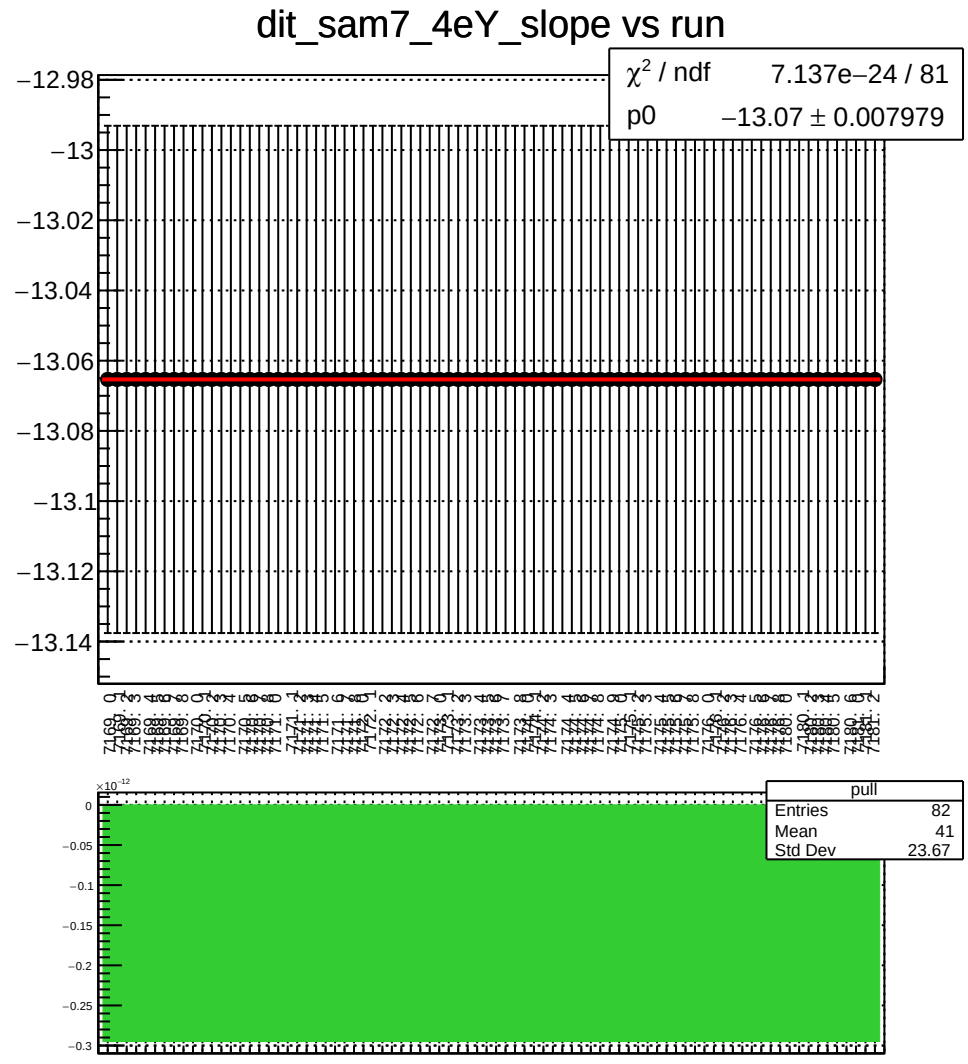
dit_sam7_11X12X_slope vs run

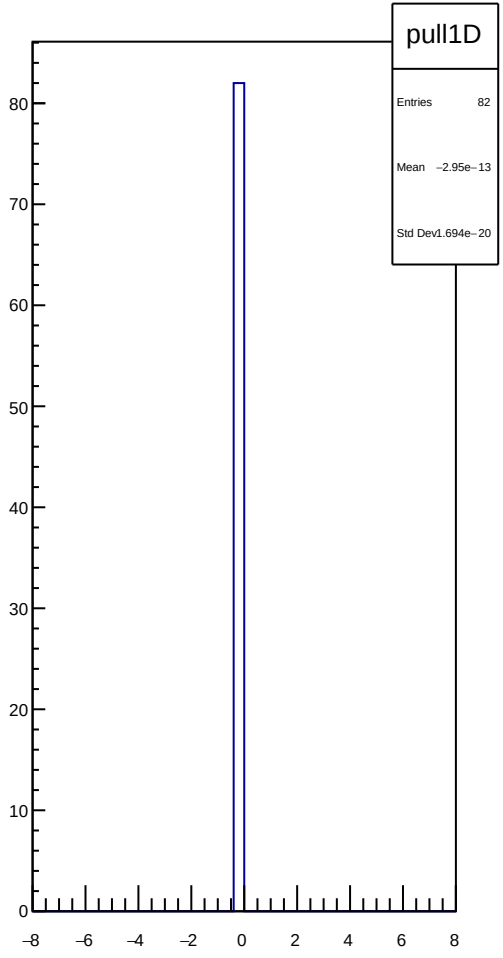




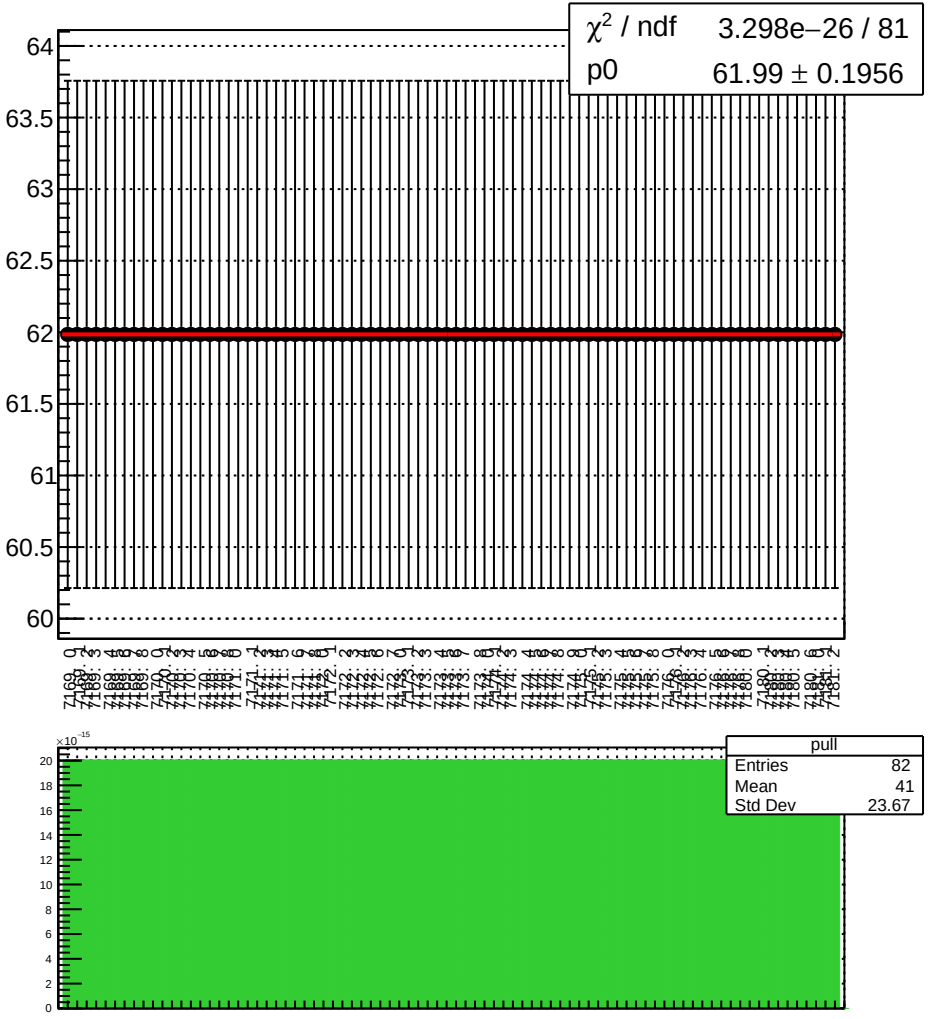

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.784e−24 / 81
p0 7.376 ± 0.00479
7.42
7.4
7.38
7.36
7.34
pull
Entries 82
Mean 41
Std Dev 23.67
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

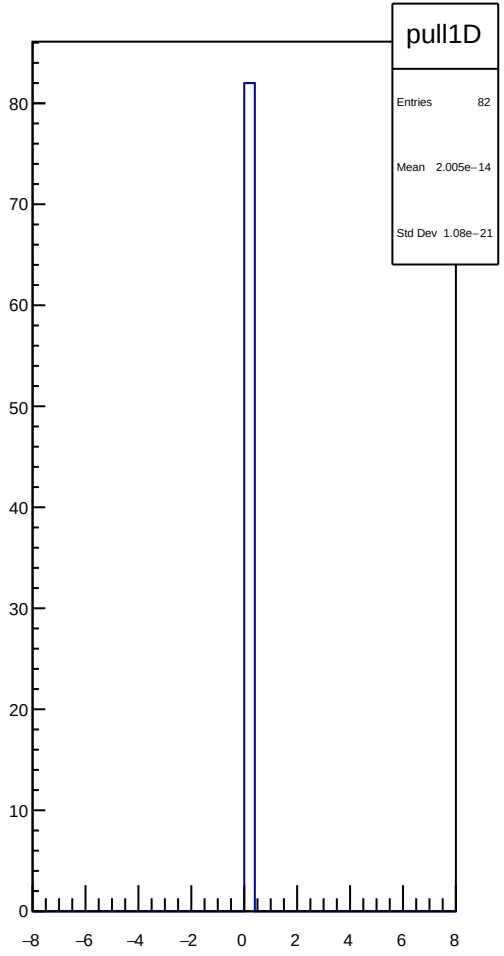

pull1D
Entries 82
Mean −1.843e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

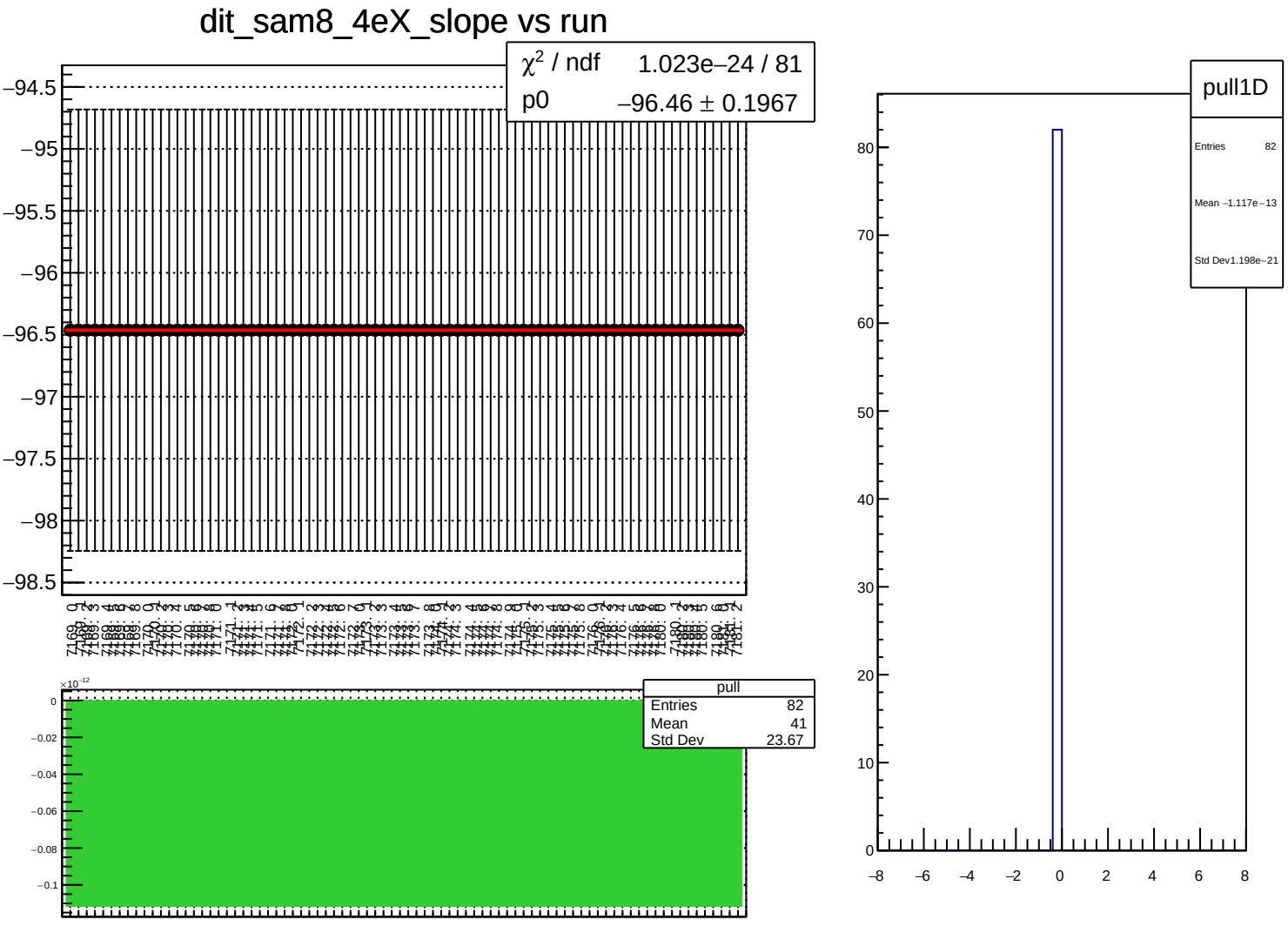

dit_sam7_4eY_slope vs run
χ^2 / ndf 7.137e−24 / 81
p0 −13.07 ± 0.007979
−12.98
−13
−13.02
−13.04
−13.06
−13.08
−13.1
−13.12
−13.14
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

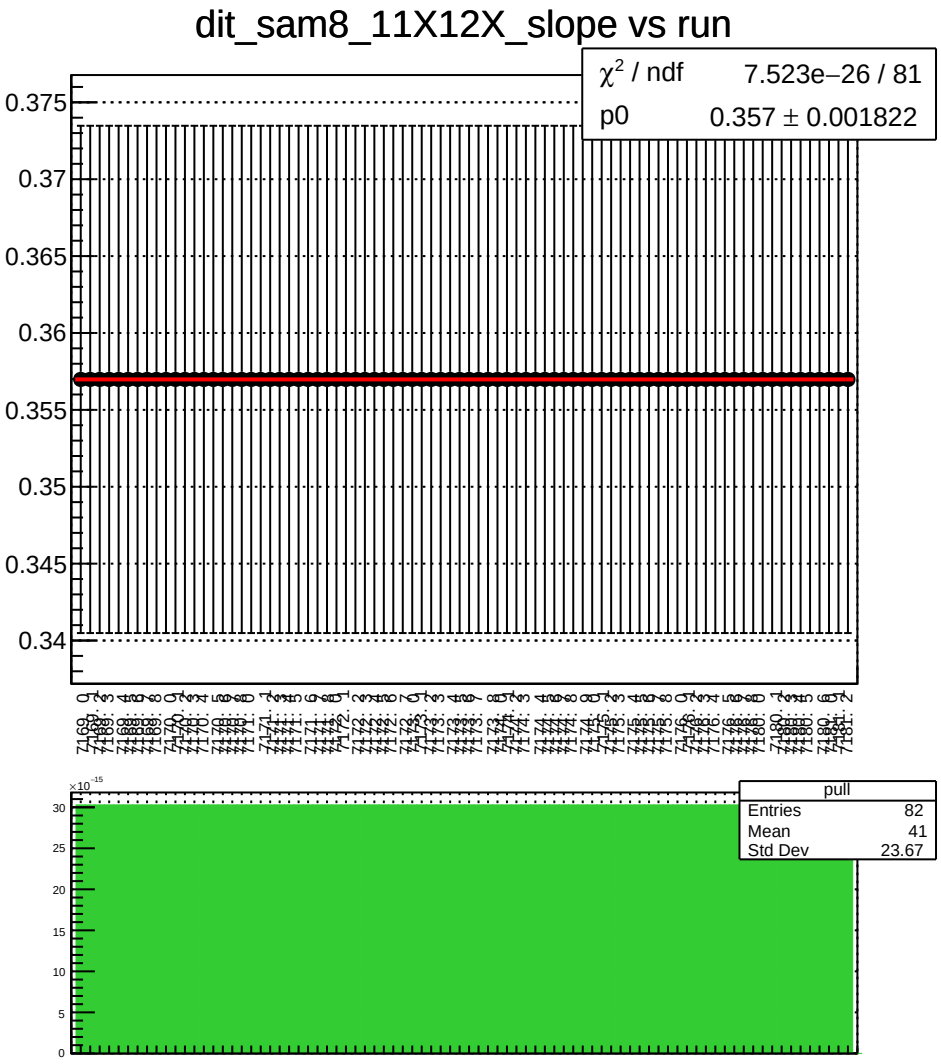

pull1D
Entries 82
Mean −2.95e−13
Std Dev 1.694e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

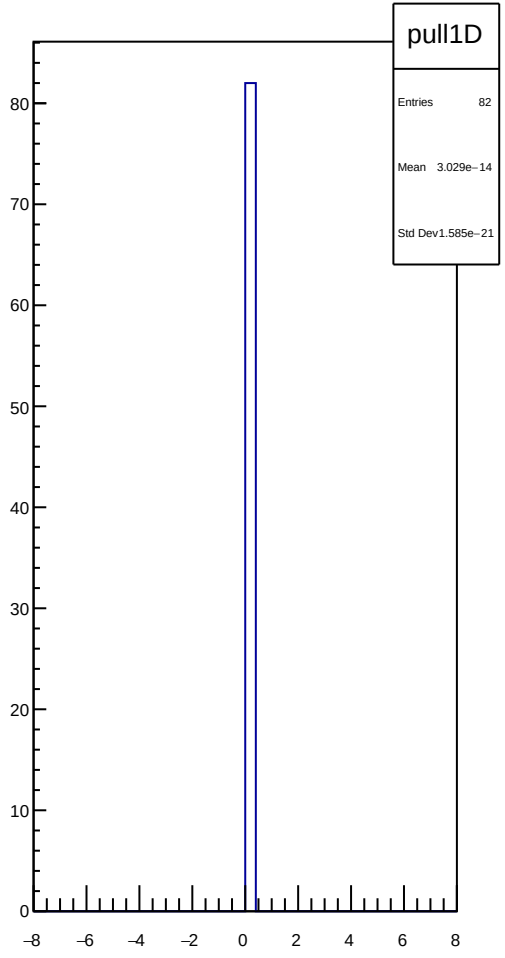
dit_sam8_4aX_slope vs run

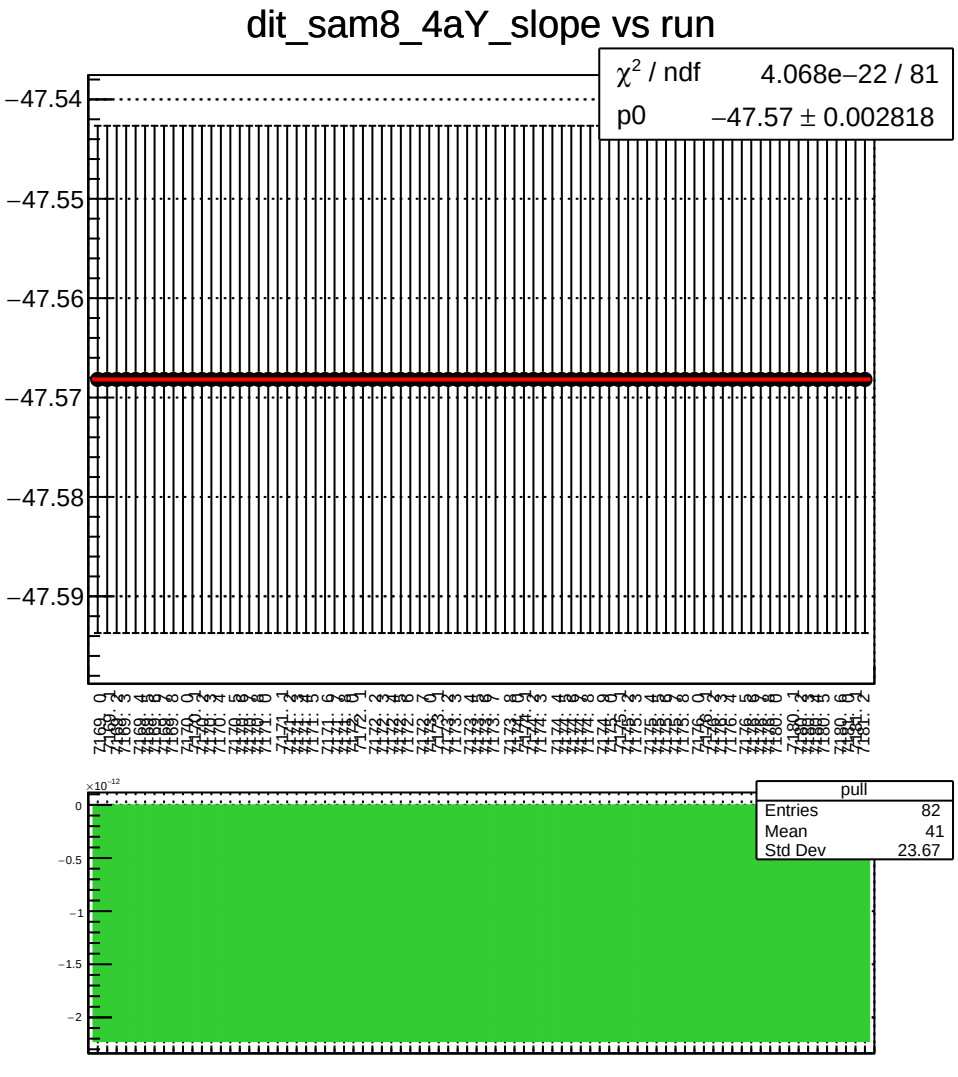


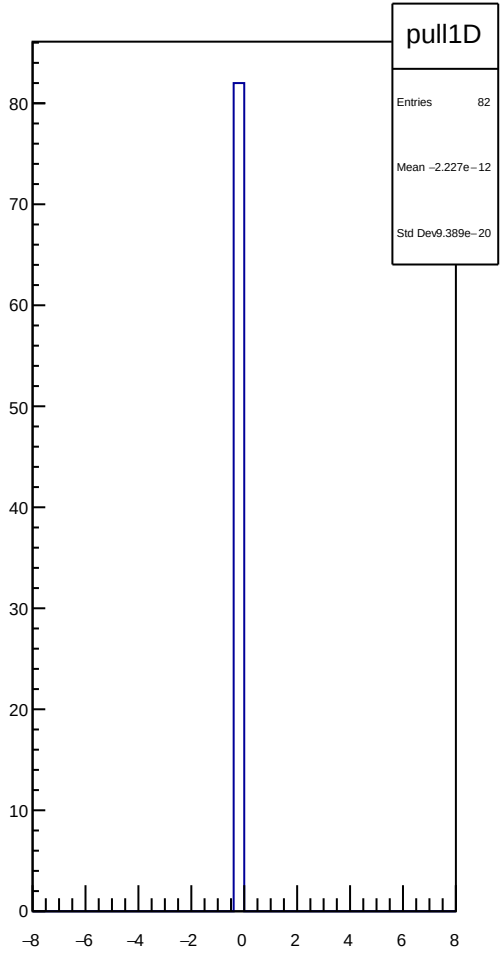



dit_sam8_4eX_slope vs run
χ^2 / ndf 1.023e−24 / 81
p0 −96.46 ± 0.1967
−94.5
−95
−95.5
−96
−96.5
−97
−97.5
−98
−98.5
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 82
Mean −1.117e−13
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

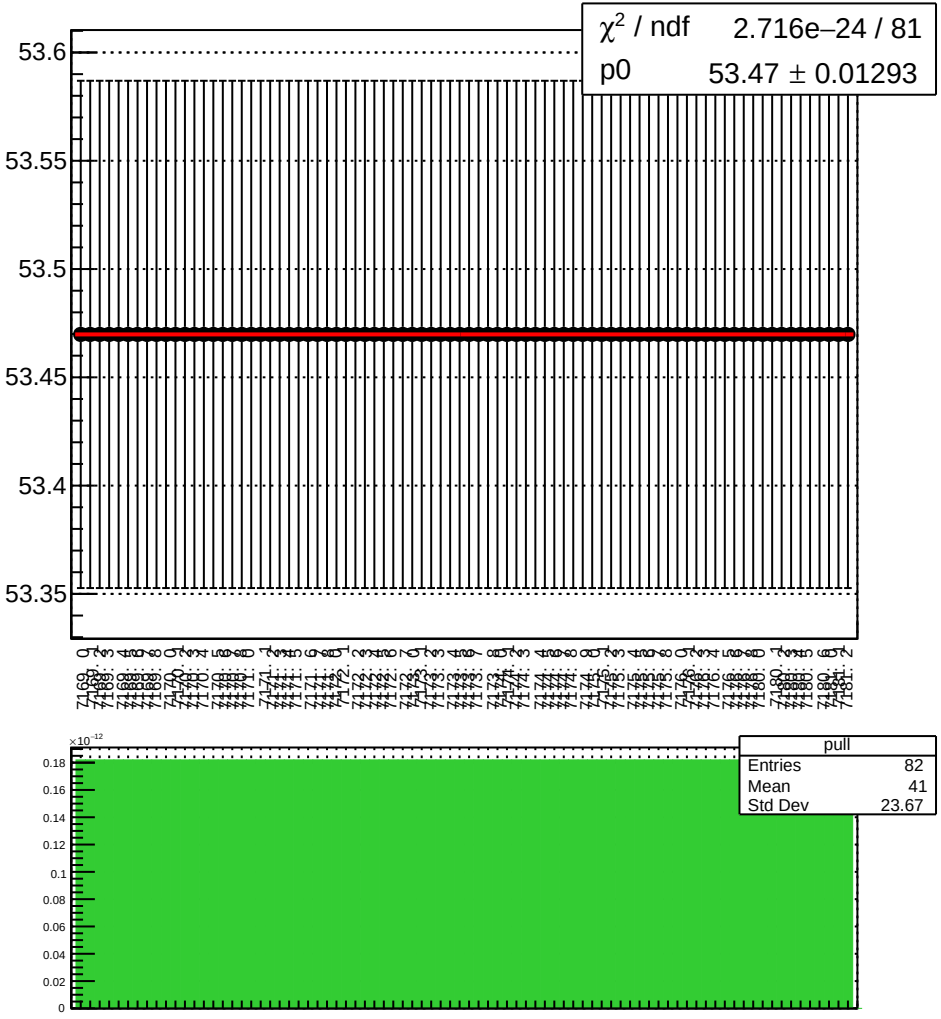

dit_sam8_11X12X_slope vs run
χ^2 / ndf 7.523e−26 / 81
p0 0.357 ± 0.001822
0.375
0.37
0.365
0.36
0.355
0.35
0.345
0.34
pull
Entries 82
Mean 41
Std Dev 23.67
×10^-15
30
25
20
15
10
5
0

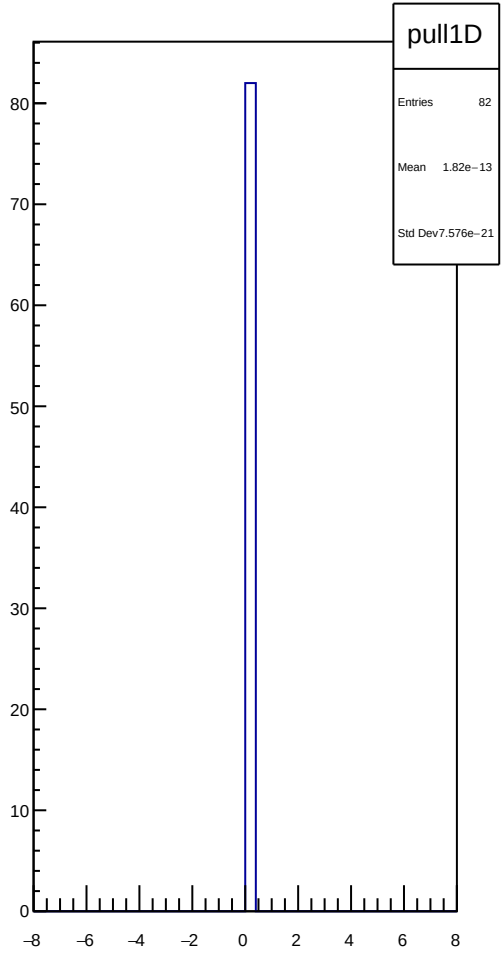

pull1D
Entries 82
Mean 3.029e−14
Std Dev 1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

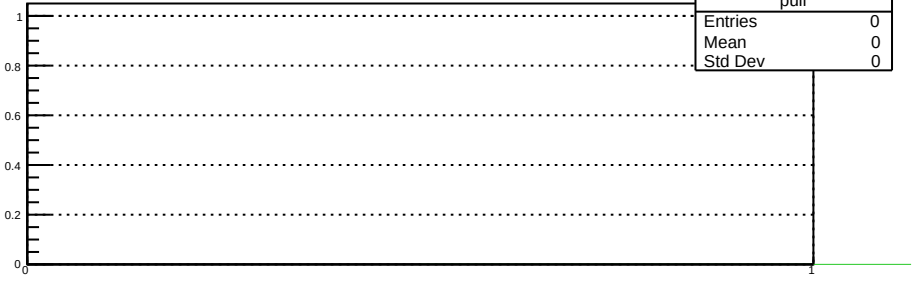

dit_sam8_4aY_slope vs run
χ^2 / ndf 4.068e−22 / 81
p0 −47.57 ± 0.002818
−47.54
−47.55
−47.56
−47.57
−47.58
−47.59
pull
Entries 82
Mean 41
Std Dev 23.67
×10^−12
0
−0.5
−1
−1.5
−2

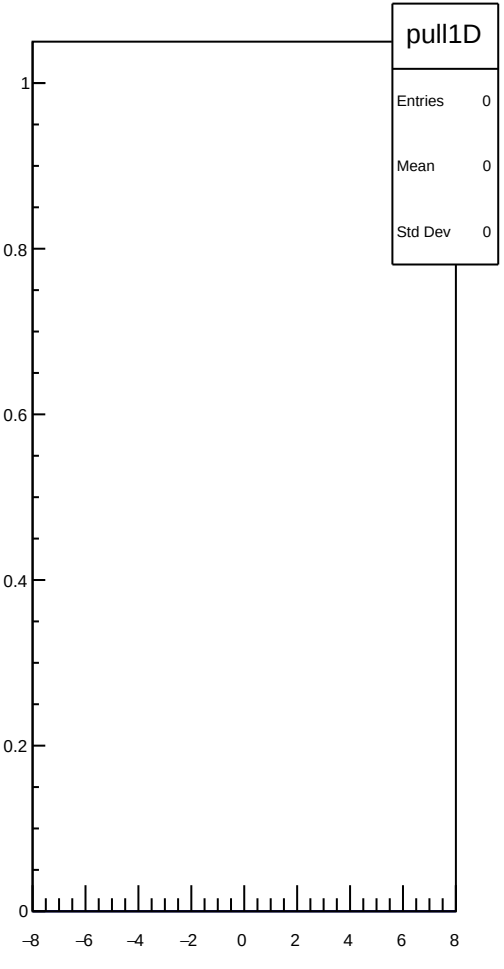

pull1D
Entries 82
Mean −2.227e−12
Std Dev 9.389e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

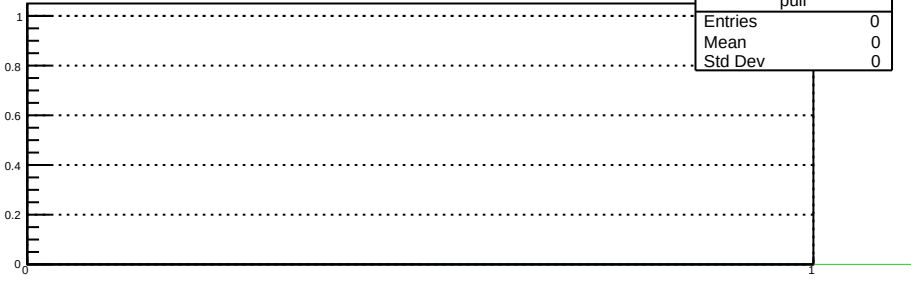
dit_sam8_4eY_slope vs run

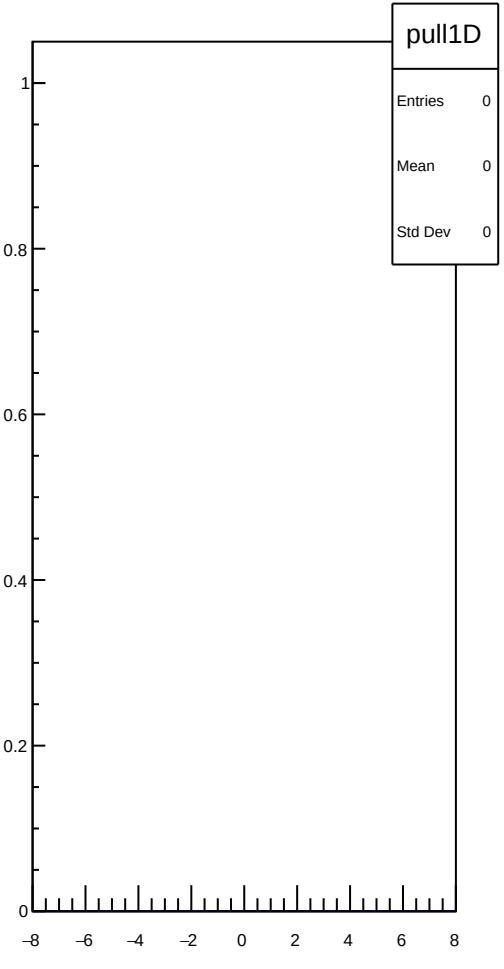


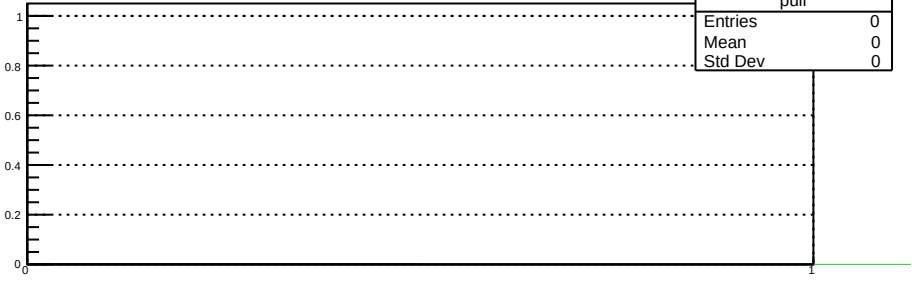


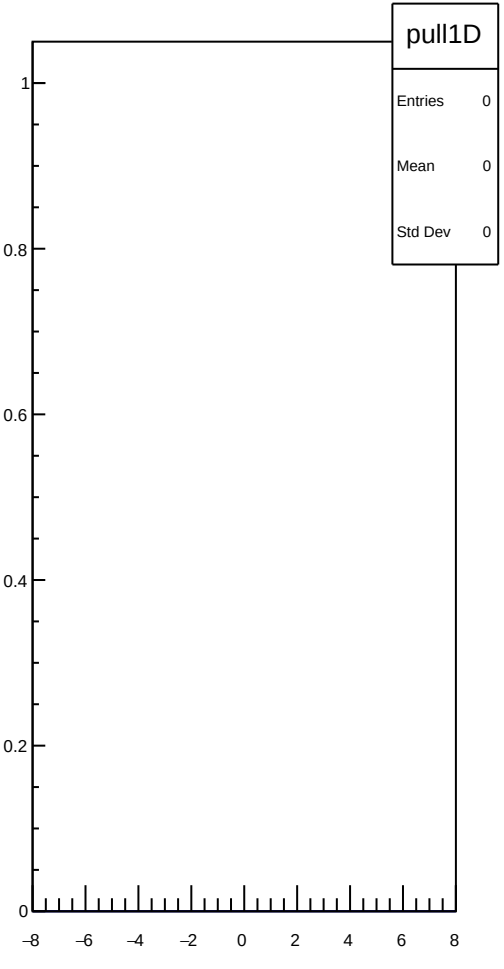

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

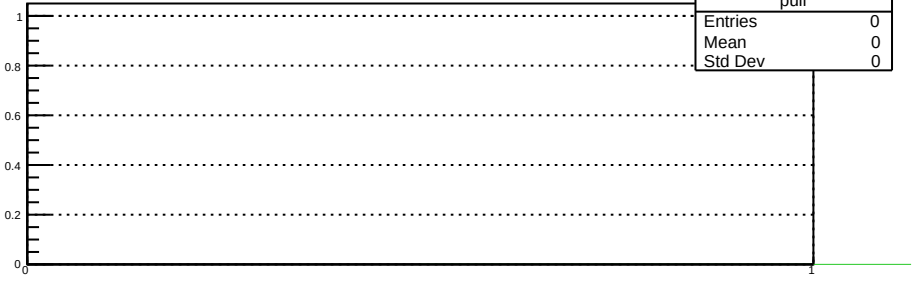

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

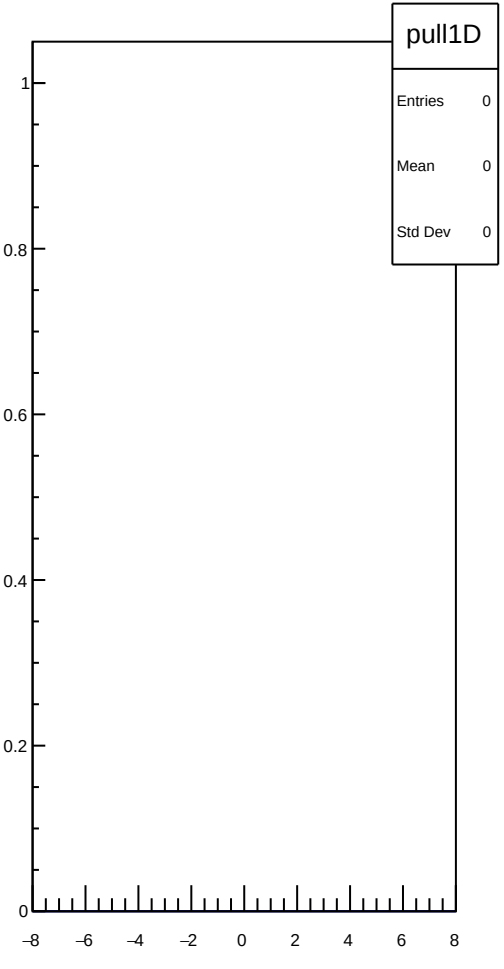

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

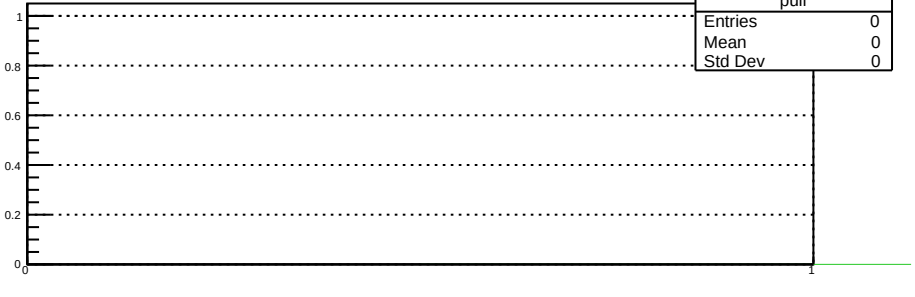

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

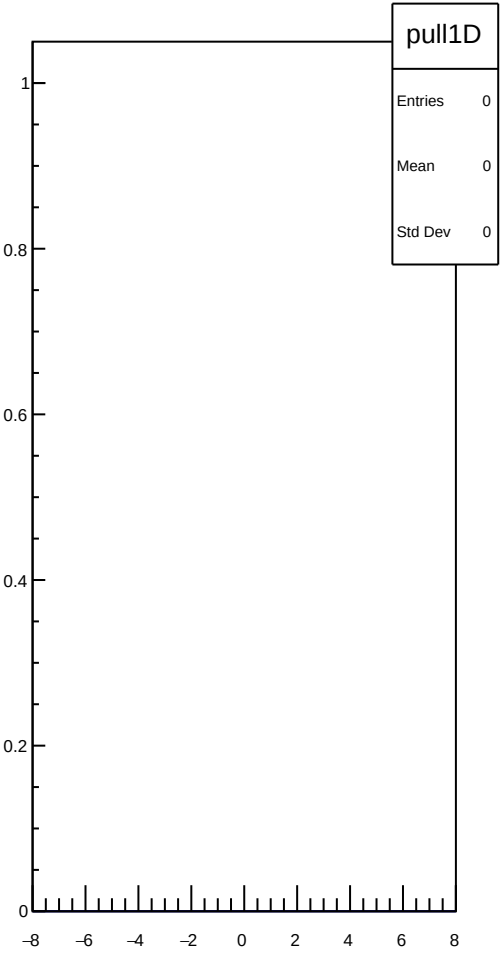

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

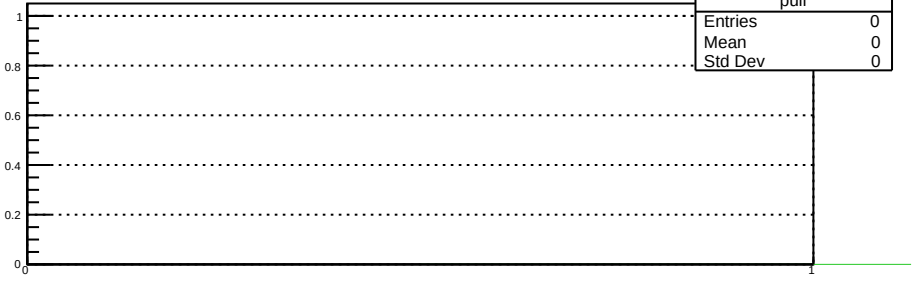

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

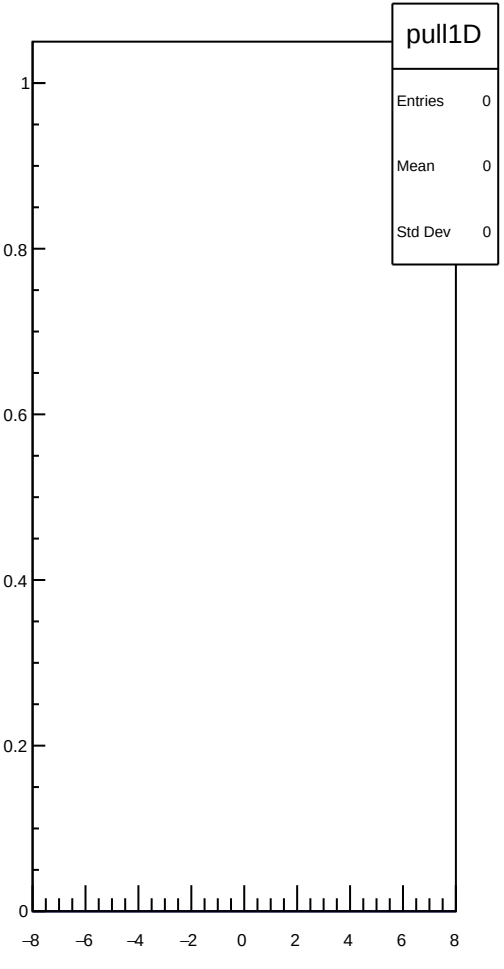

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

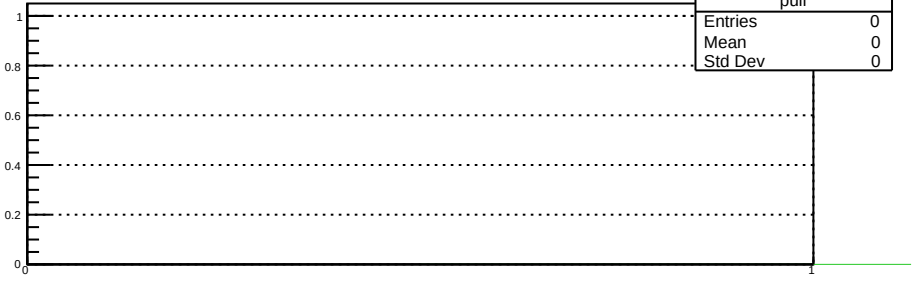

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

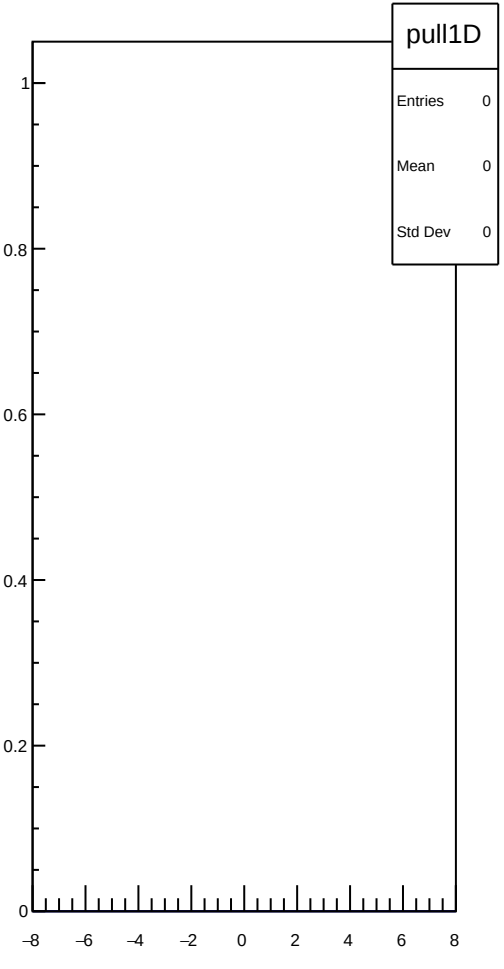

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

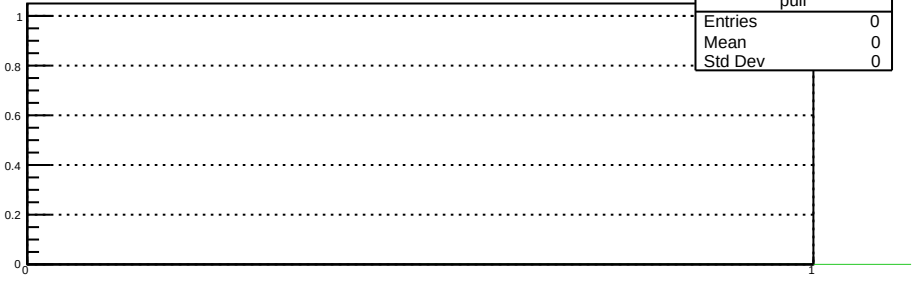

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

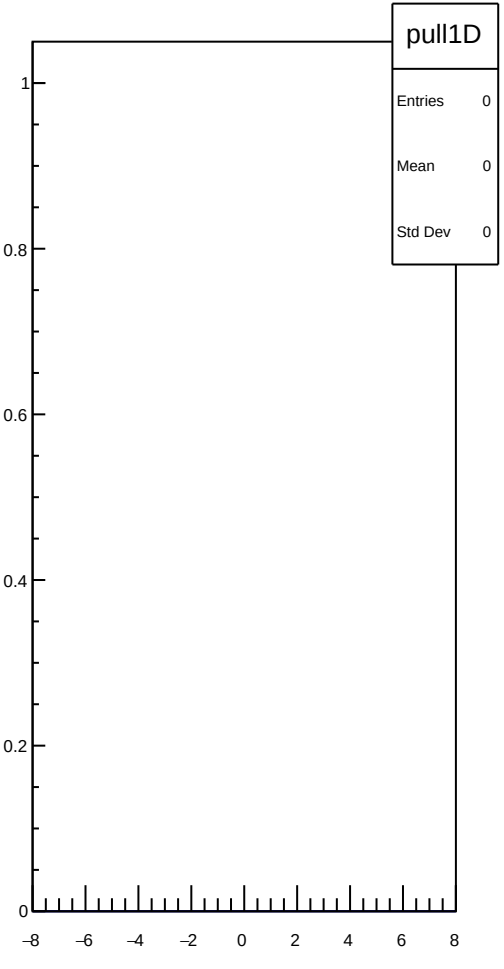

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

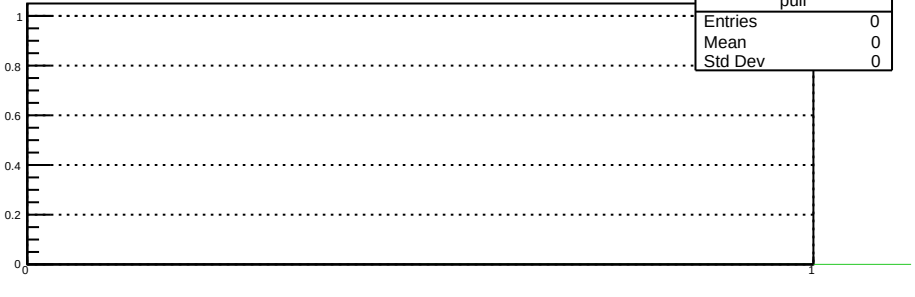

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

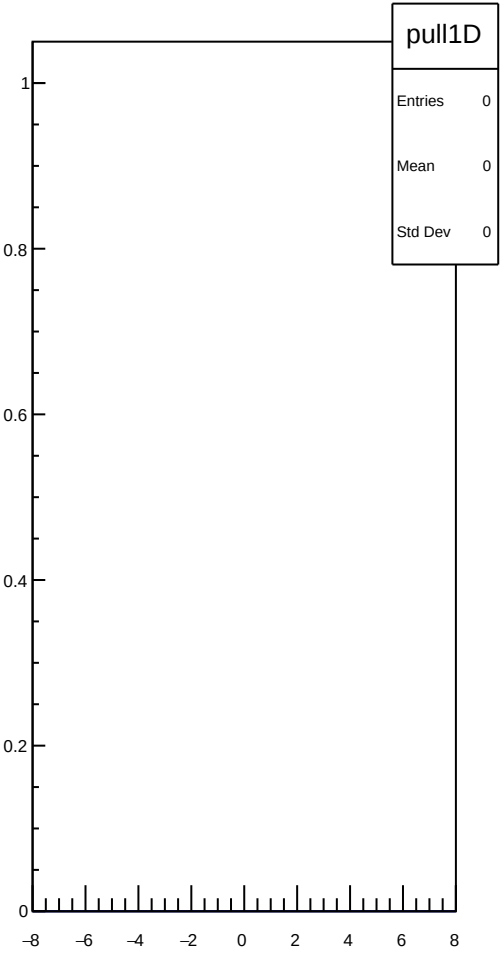

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

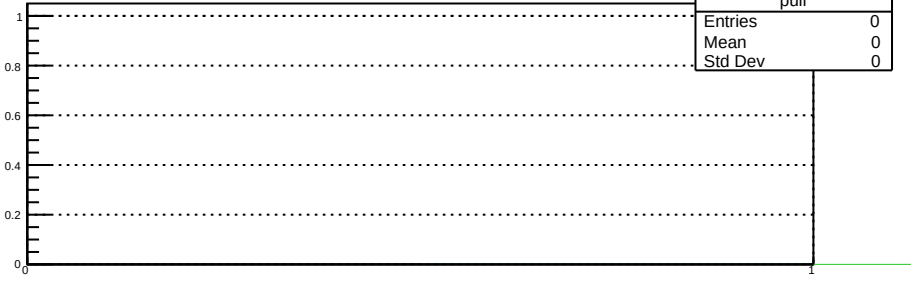

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

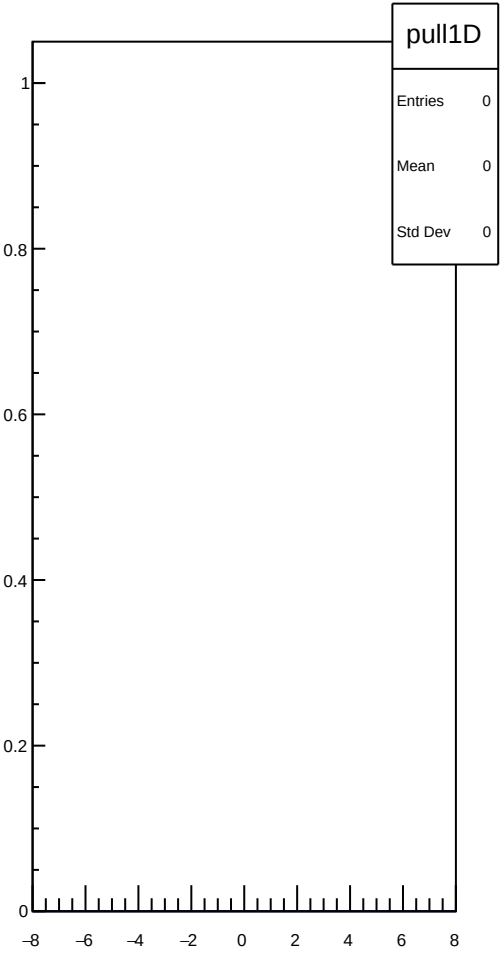

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

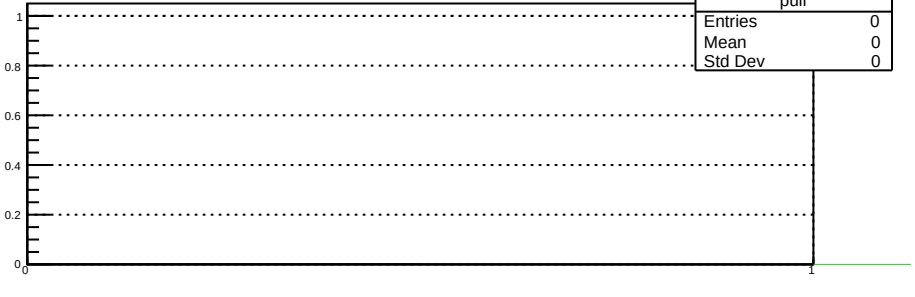

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

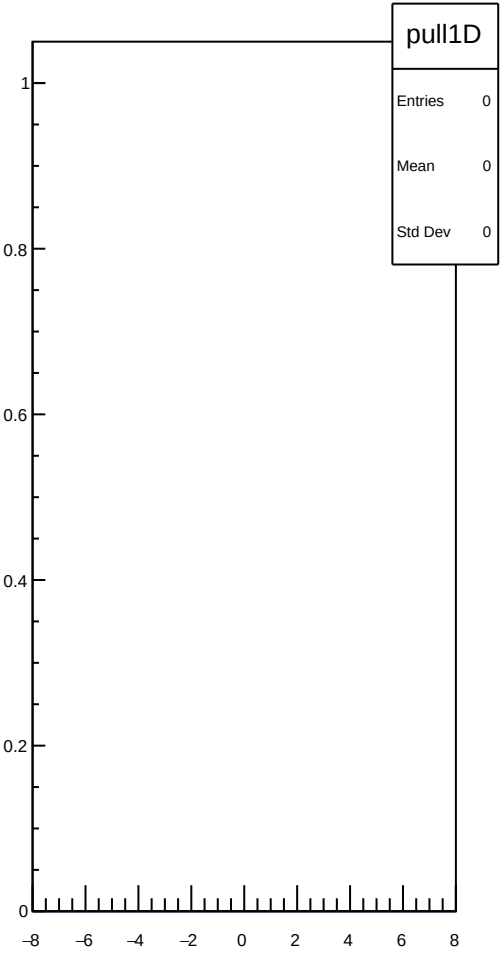

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

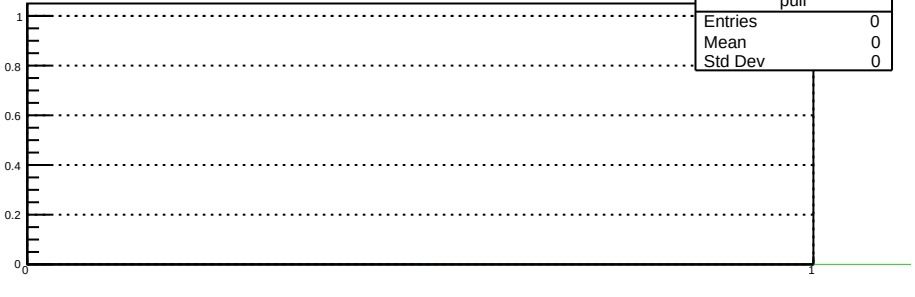

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

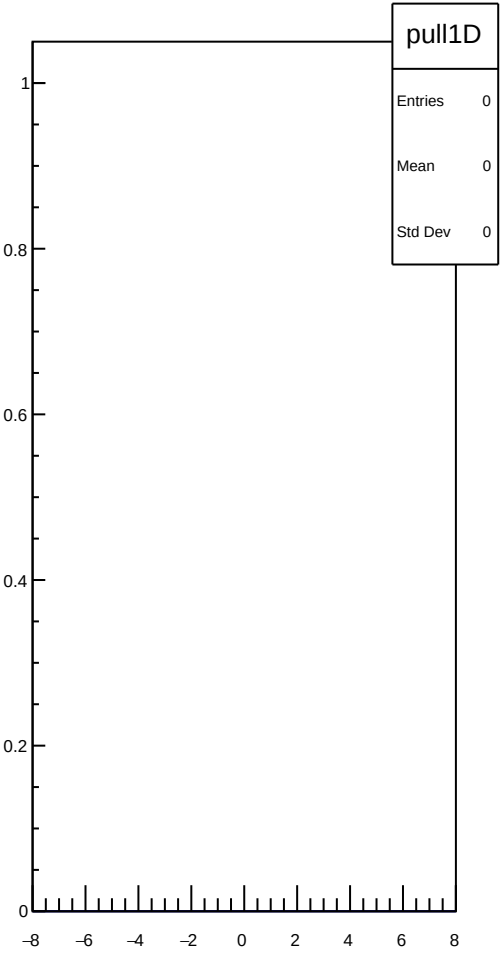

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

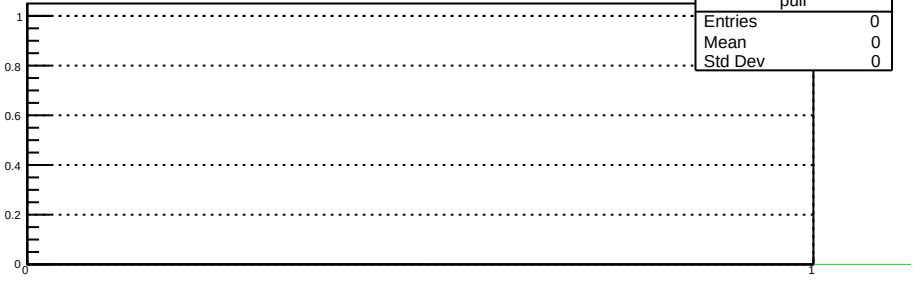

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

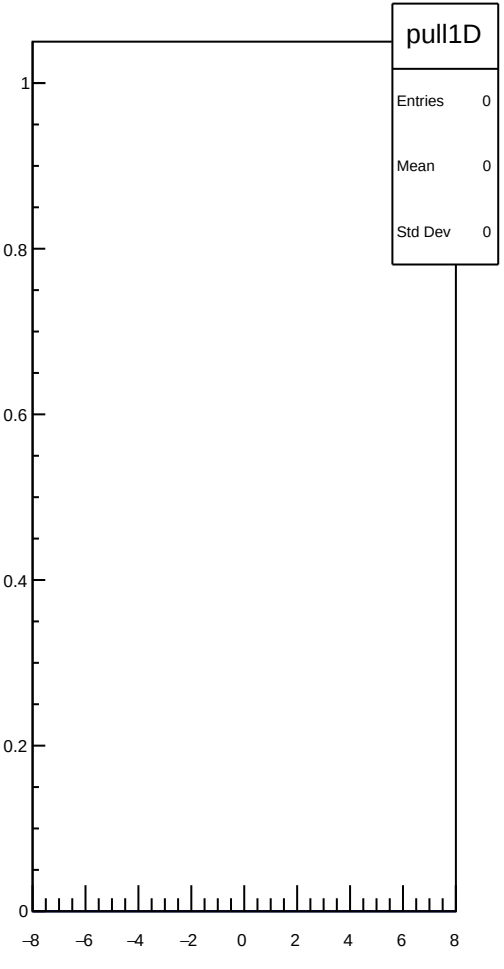

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

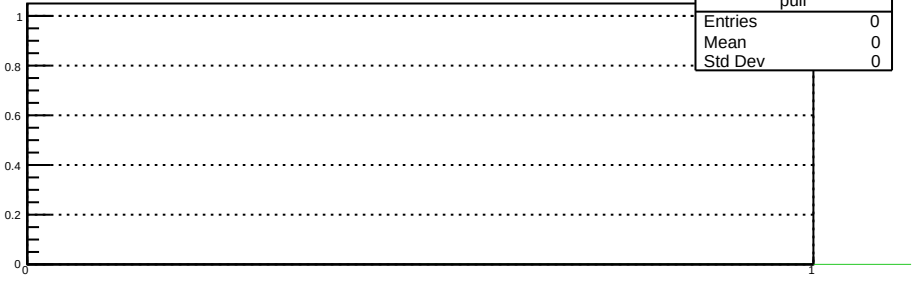

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

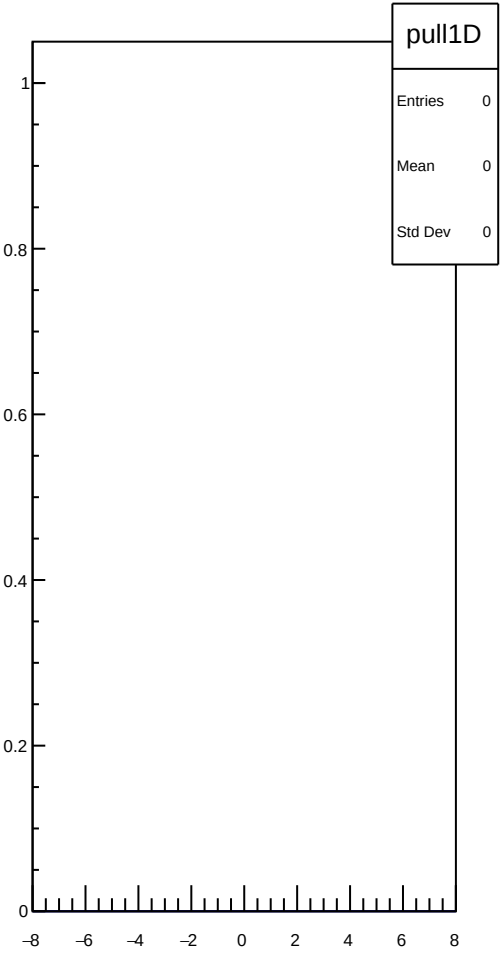

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

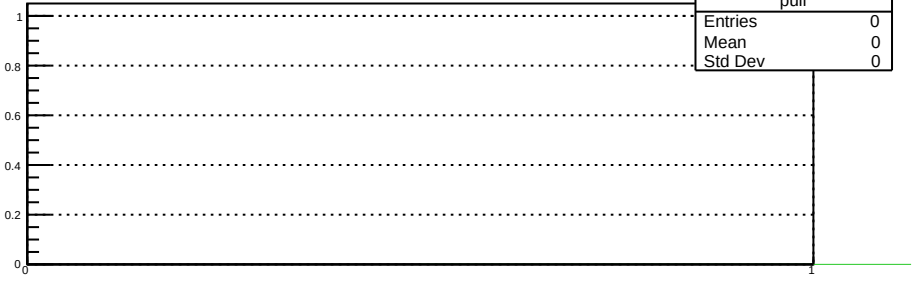

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

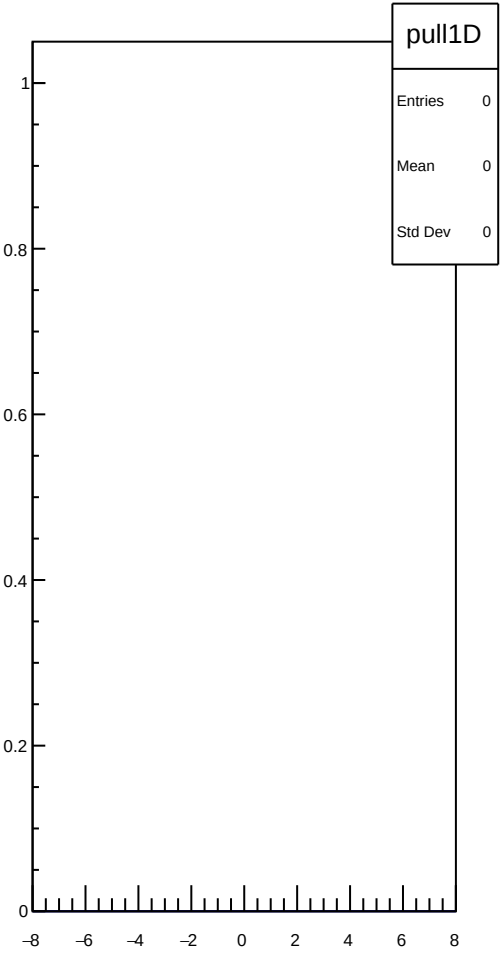

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

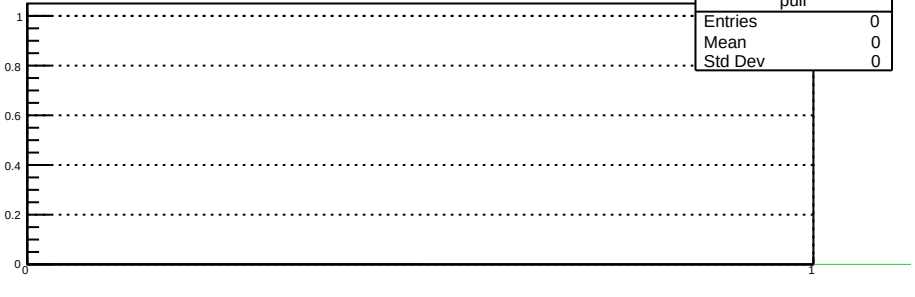

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

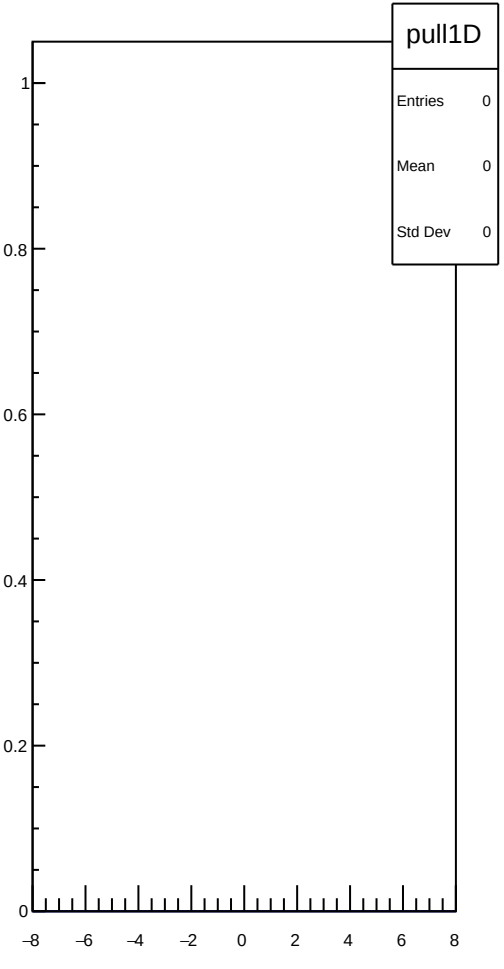

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

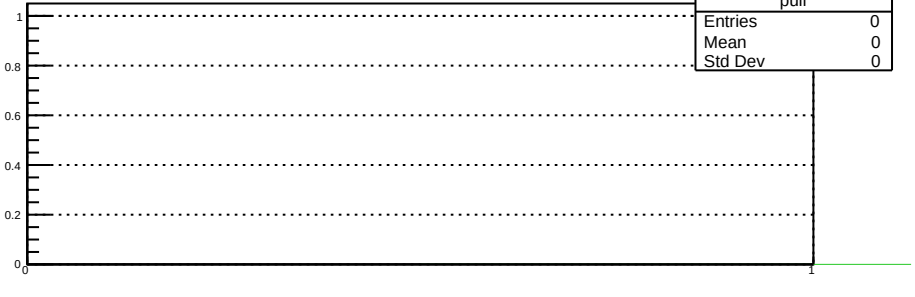

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

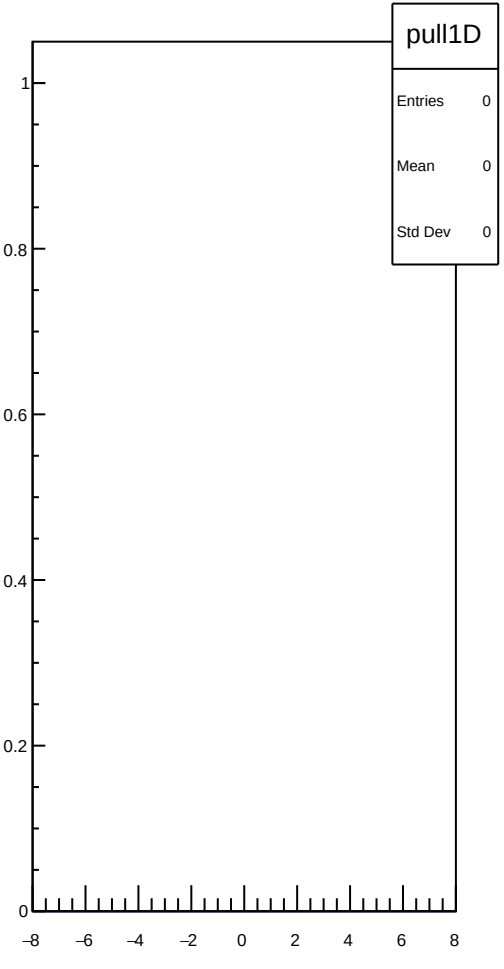

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

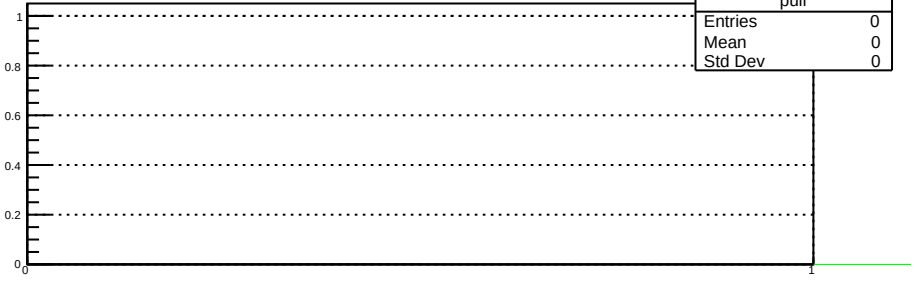

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

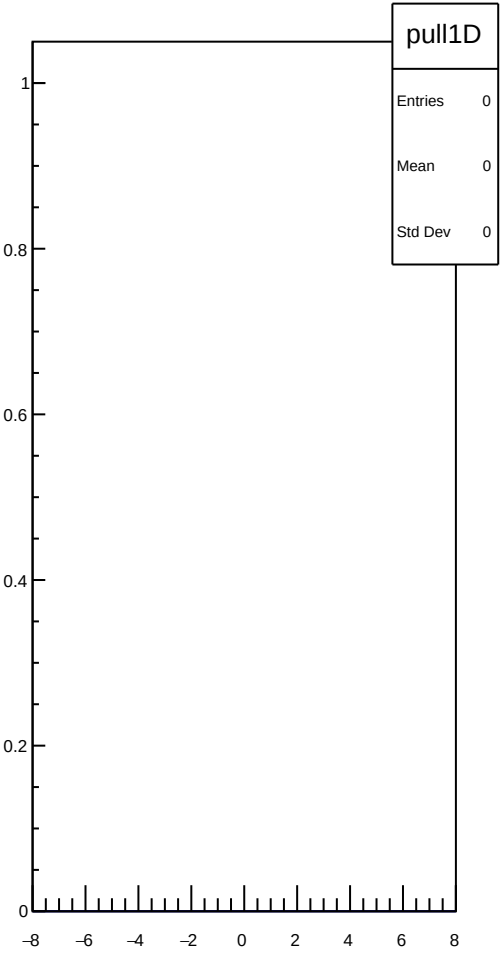

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

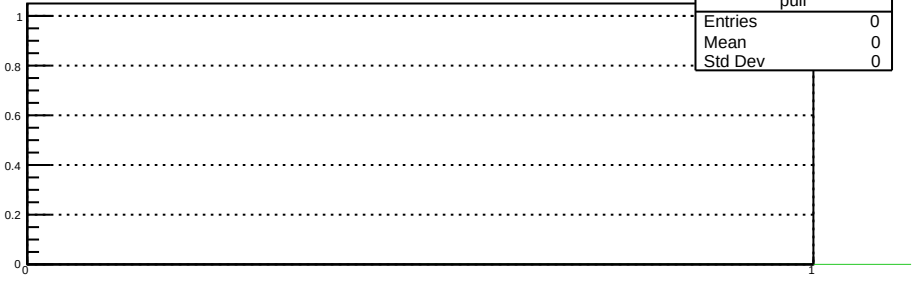

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

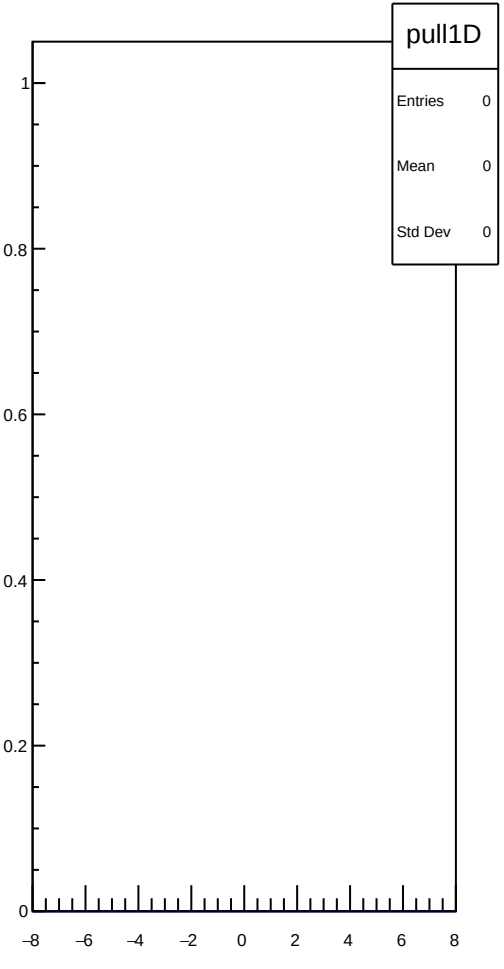

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

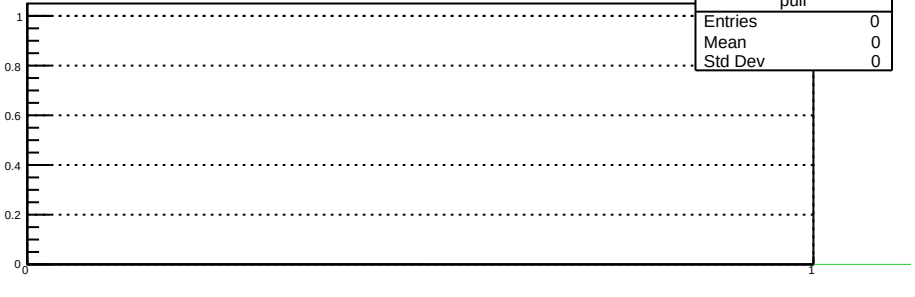

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

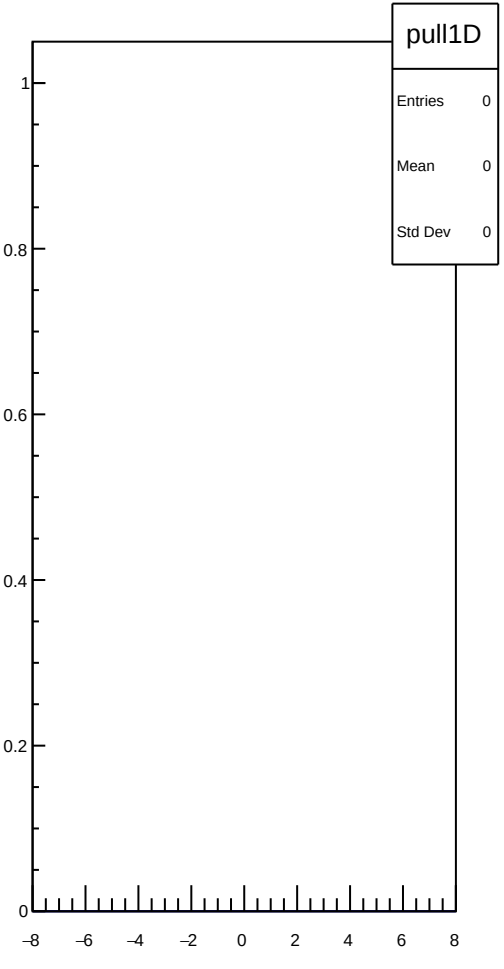

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

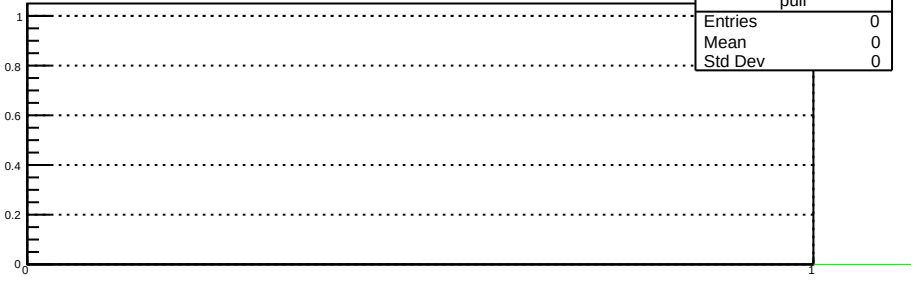

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

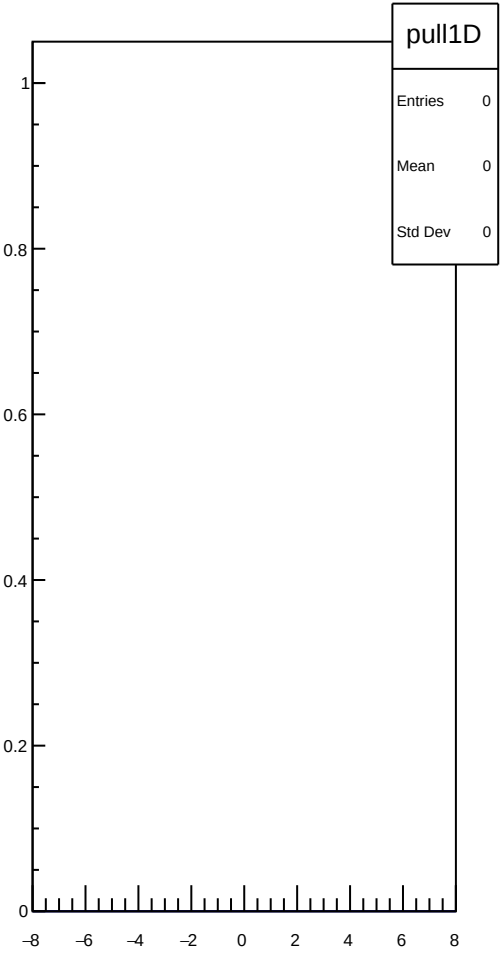

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

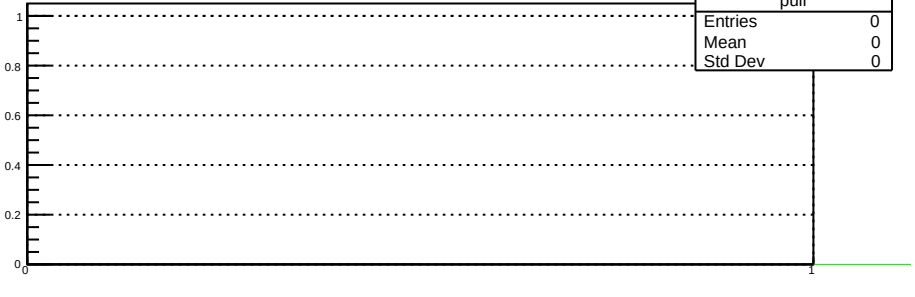

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

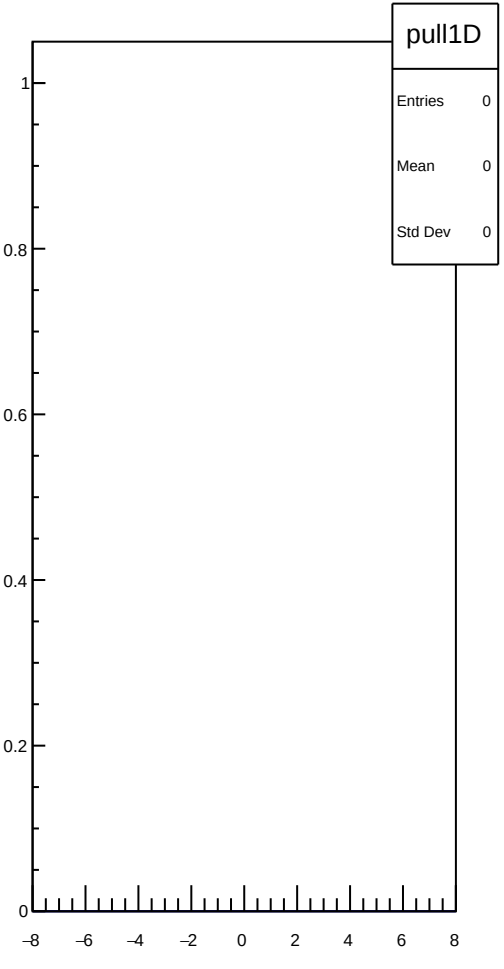

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

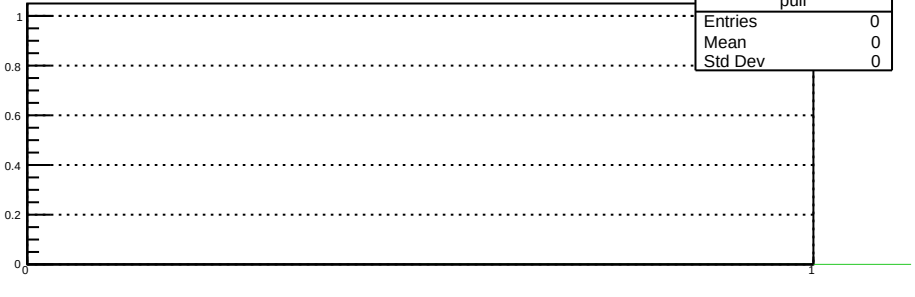

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

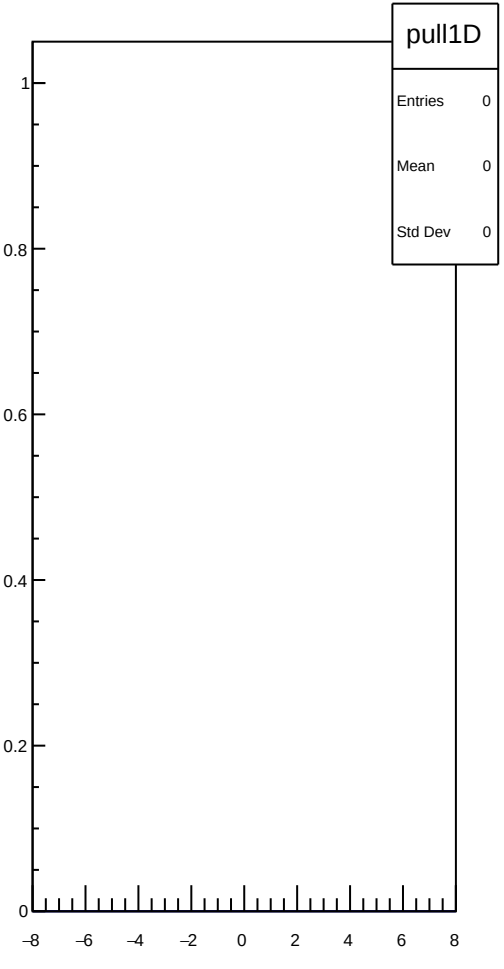

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

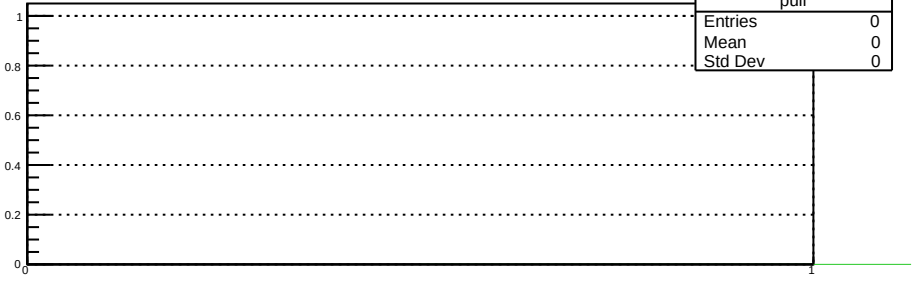

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

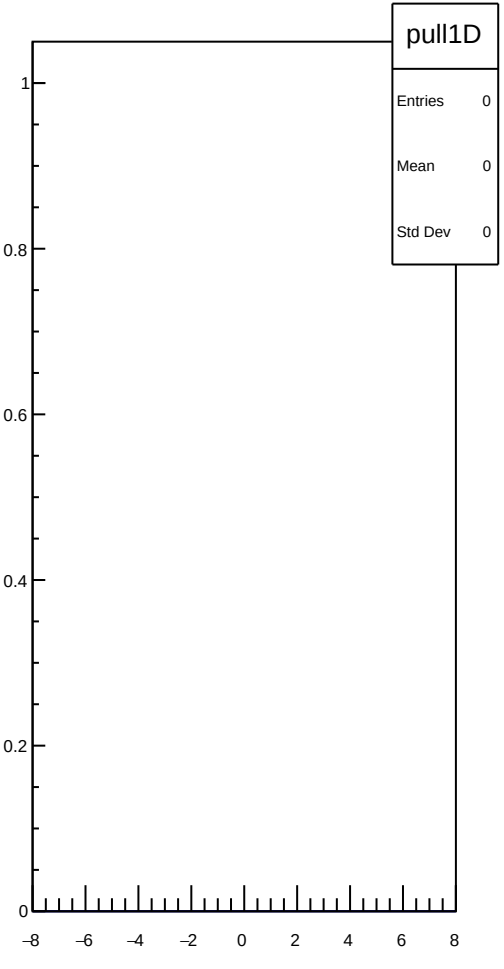

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

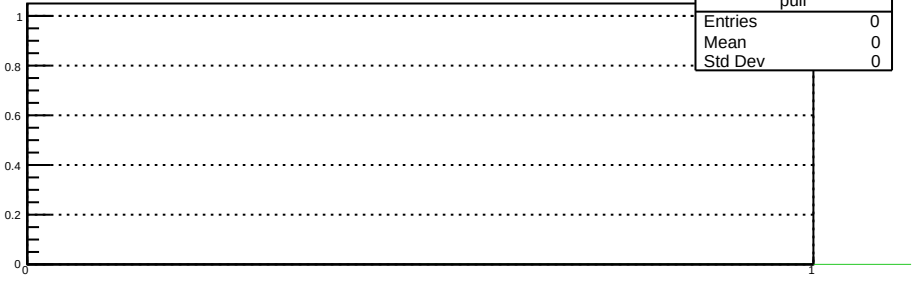

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

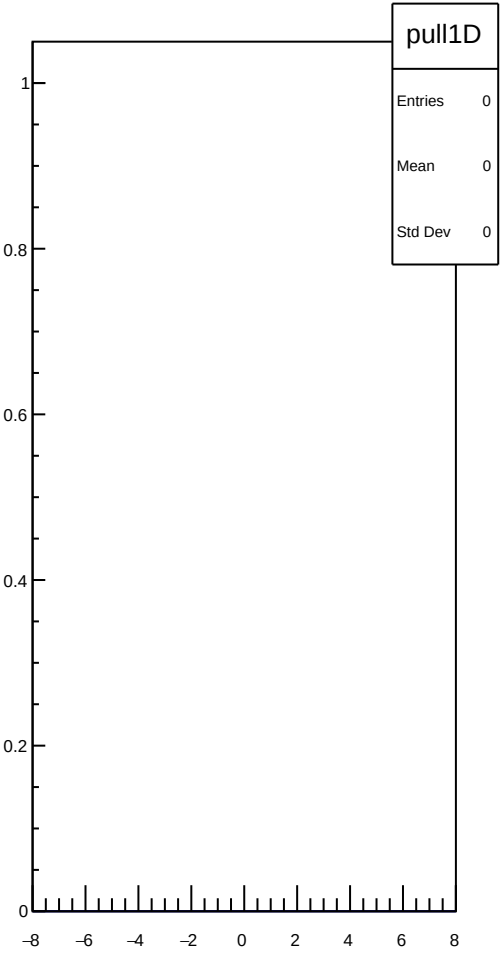

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

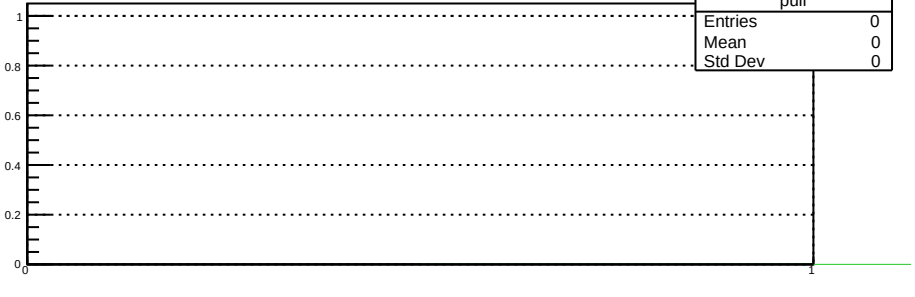

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

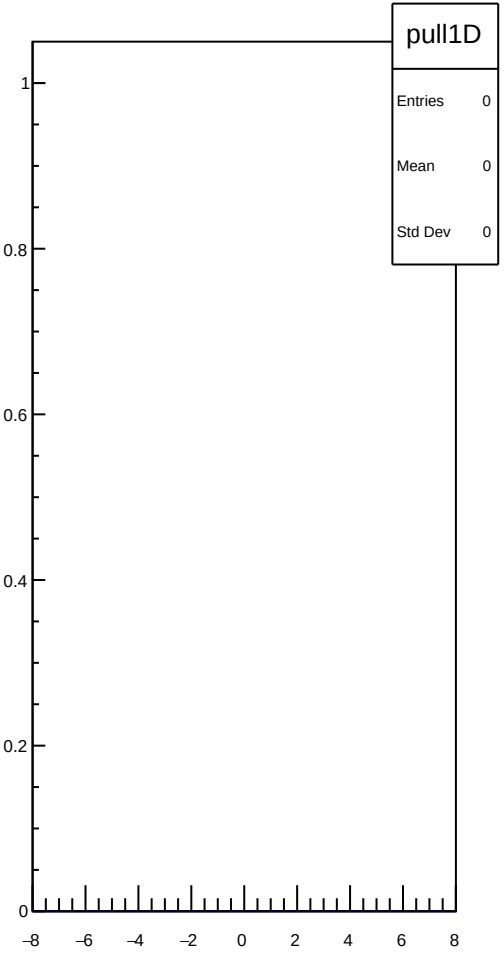

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

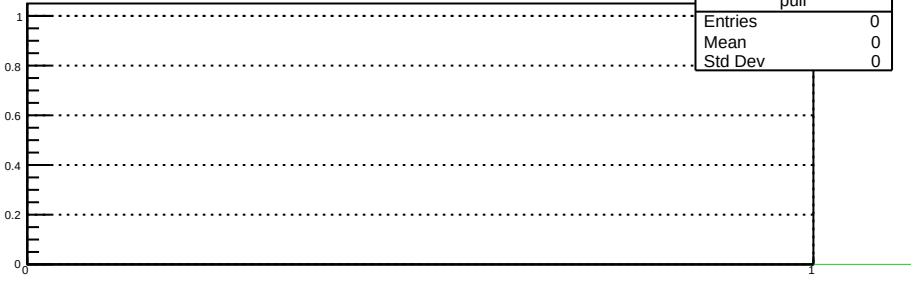

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

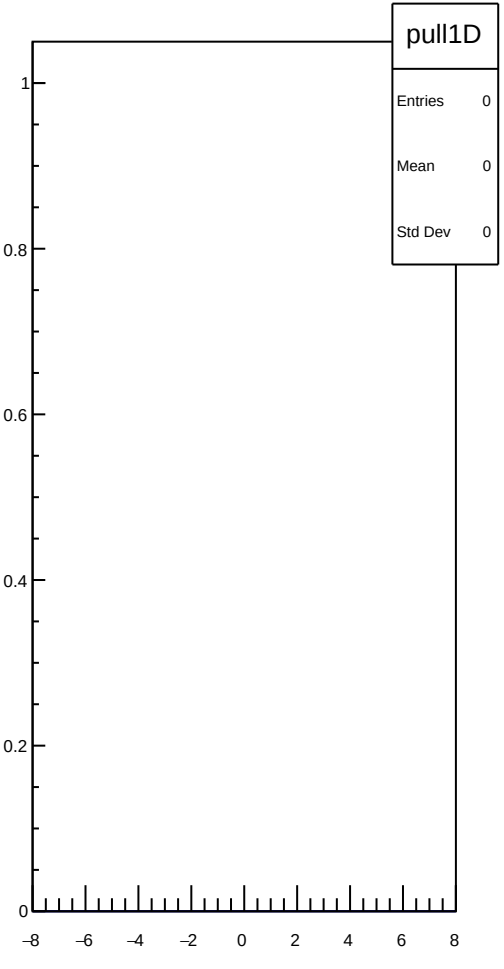

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

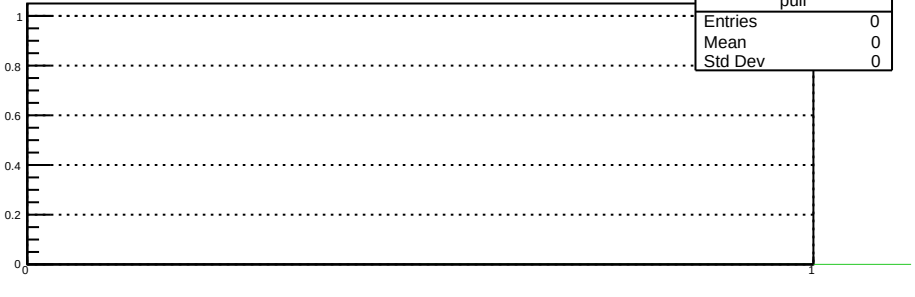

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

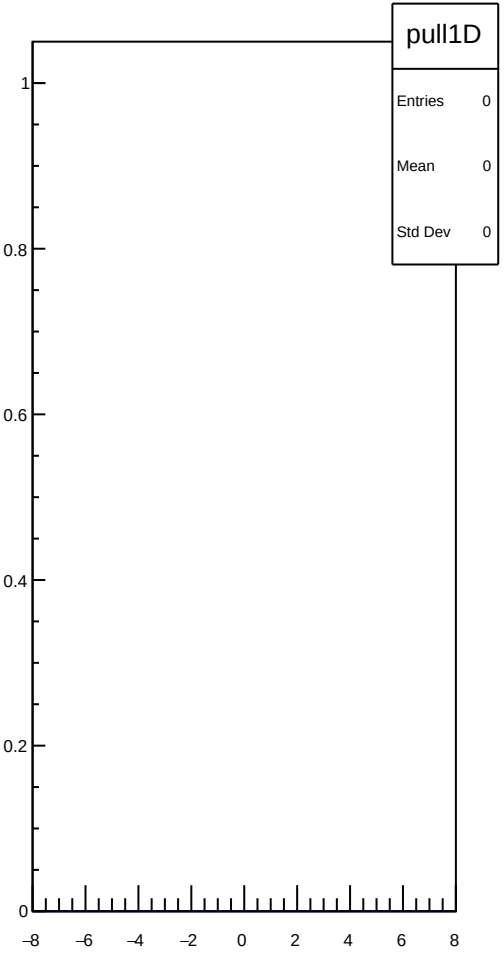

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

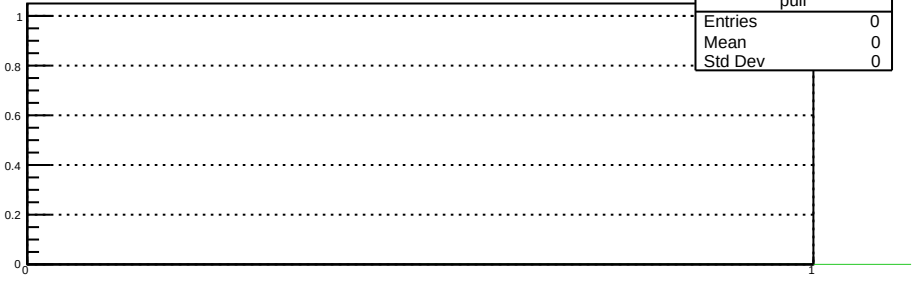

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

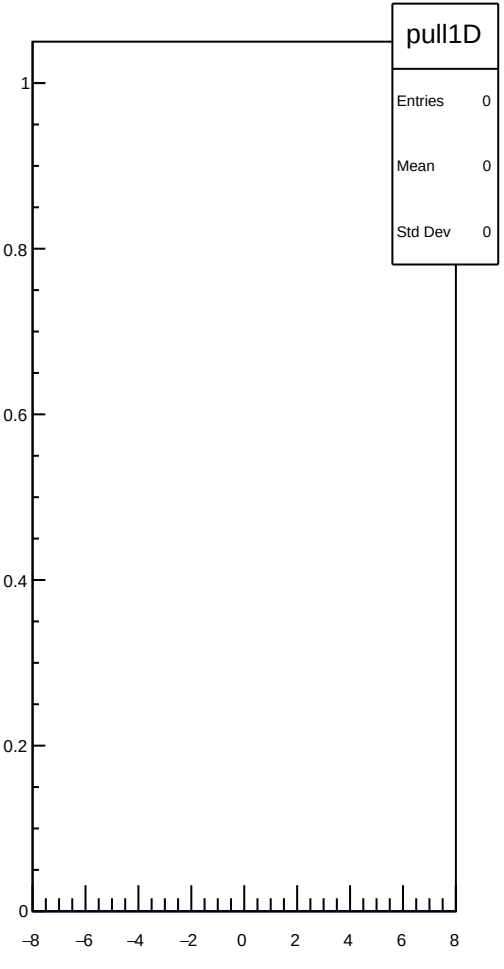

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

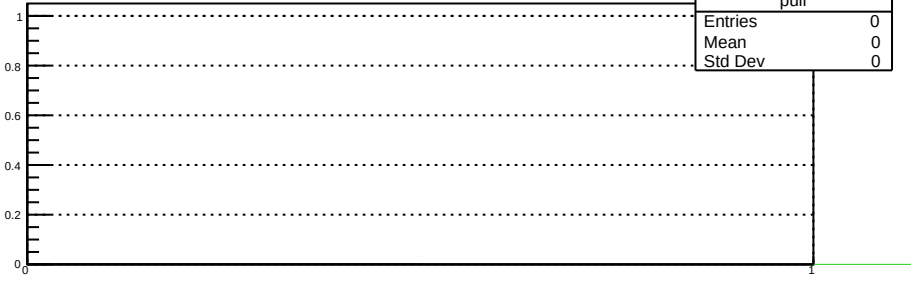

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

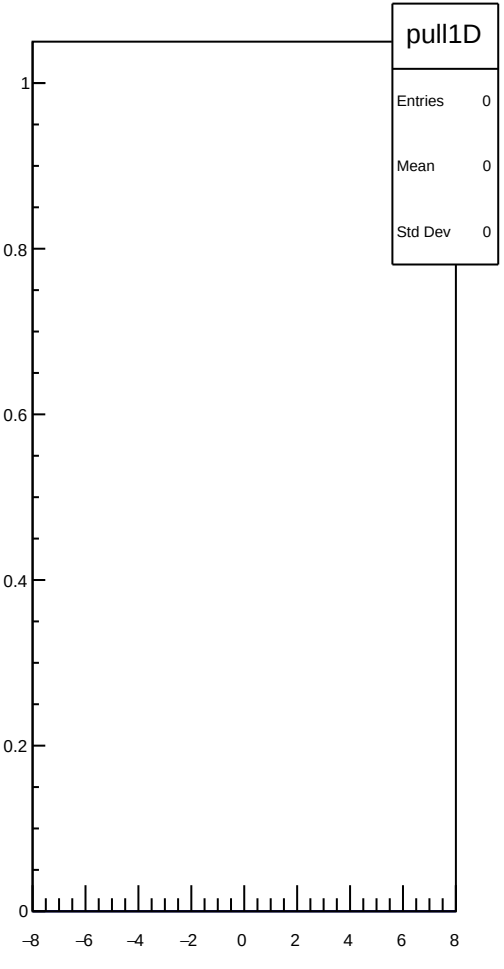

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

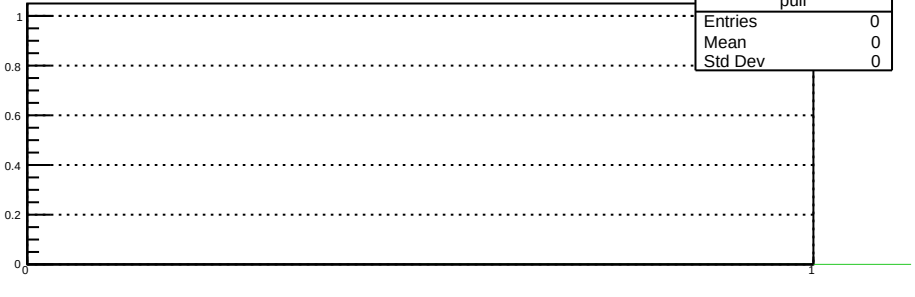

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

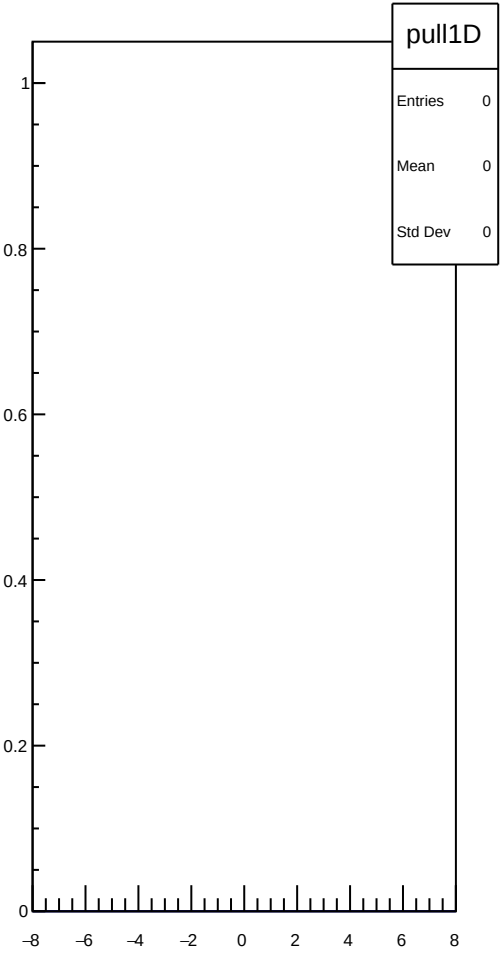

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

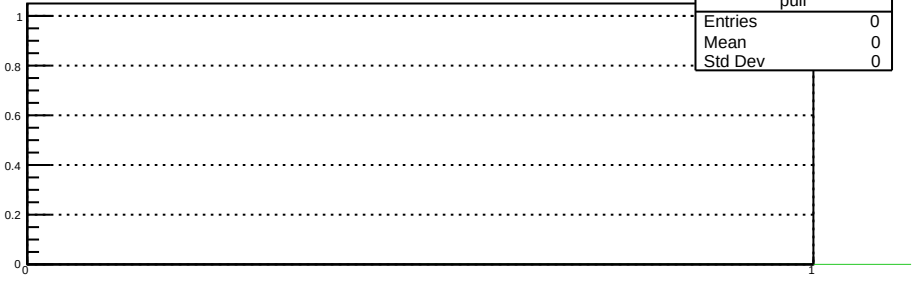

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

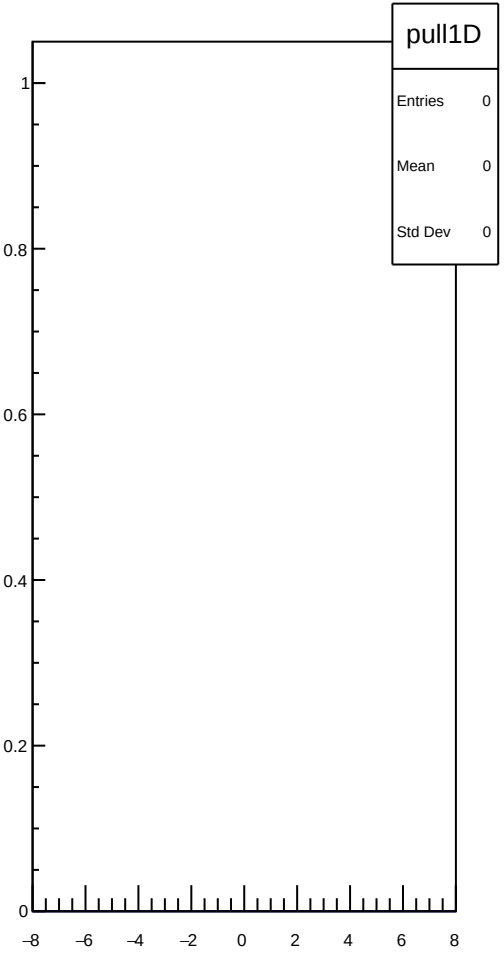

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

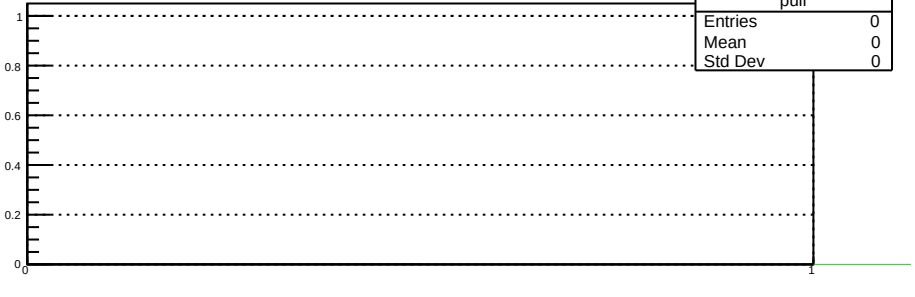

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

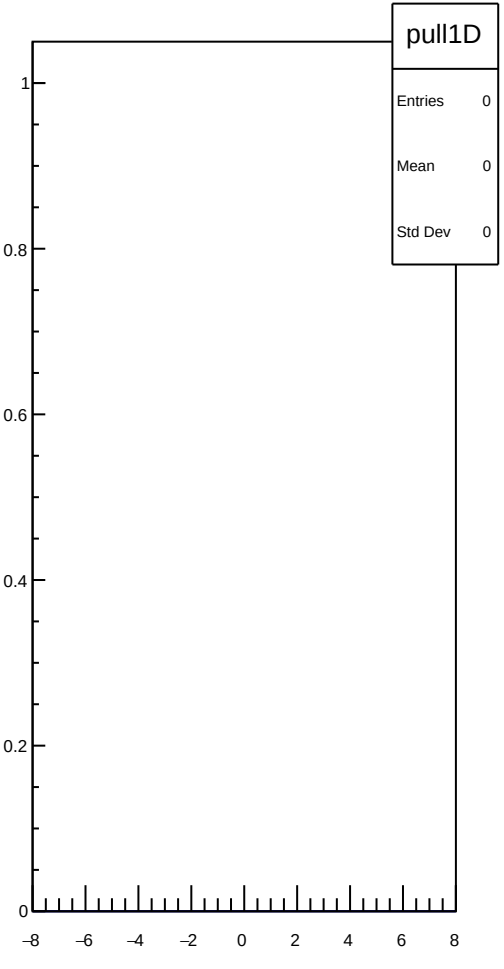

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

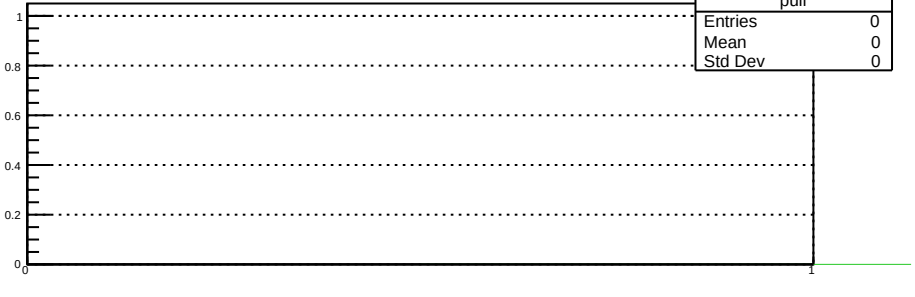

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

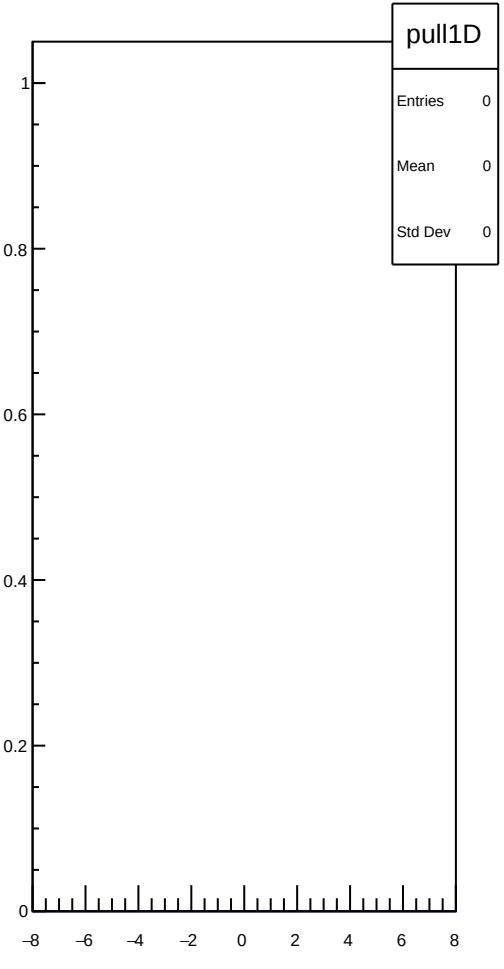

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

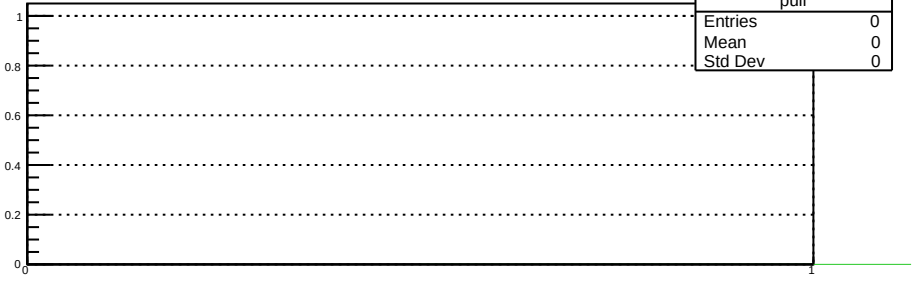

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

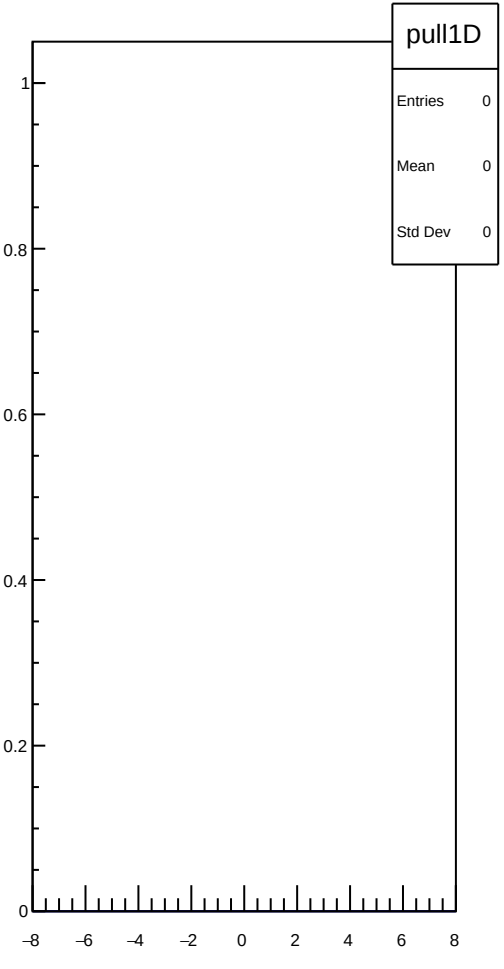

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

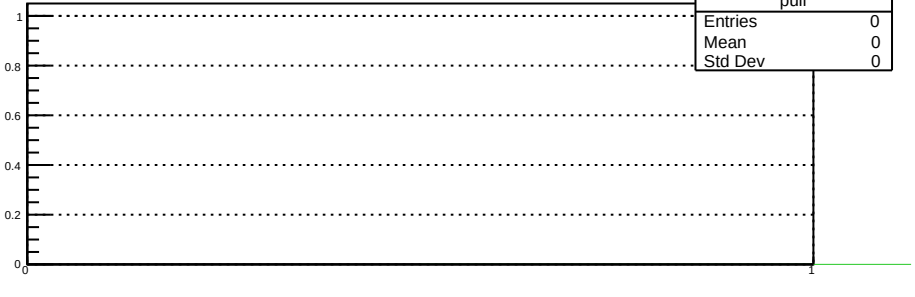

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

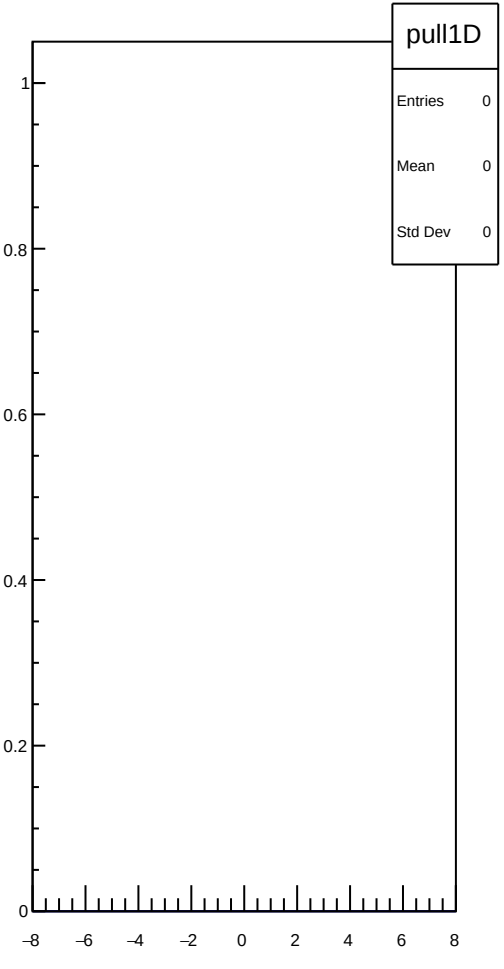

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

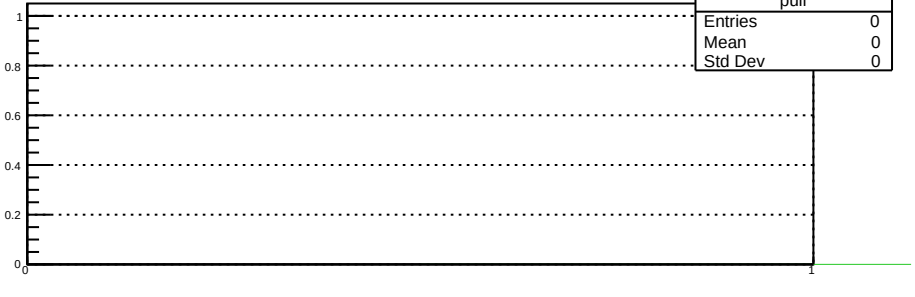

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

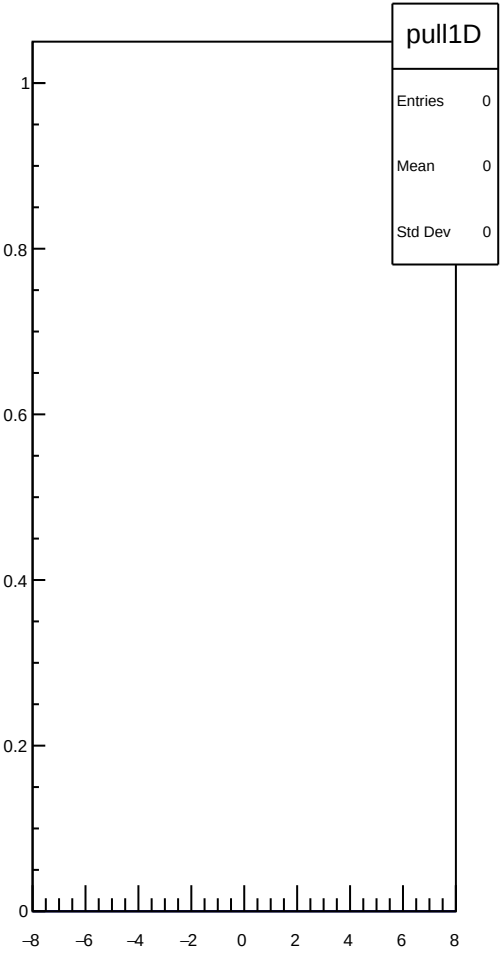

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

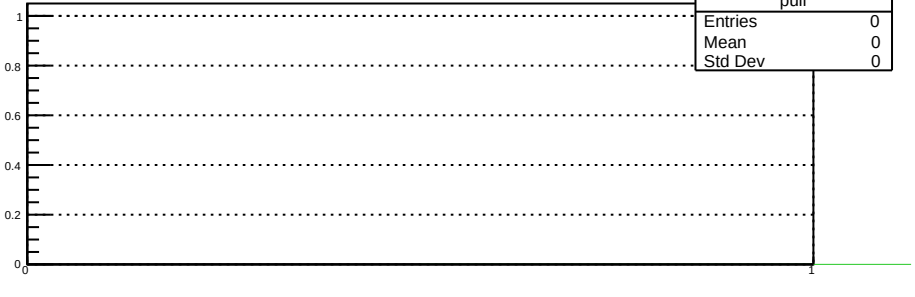

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

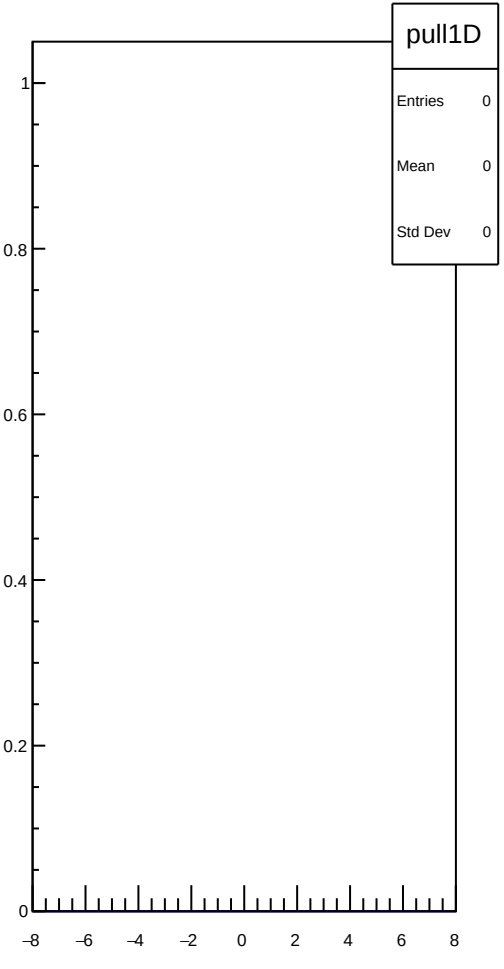

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

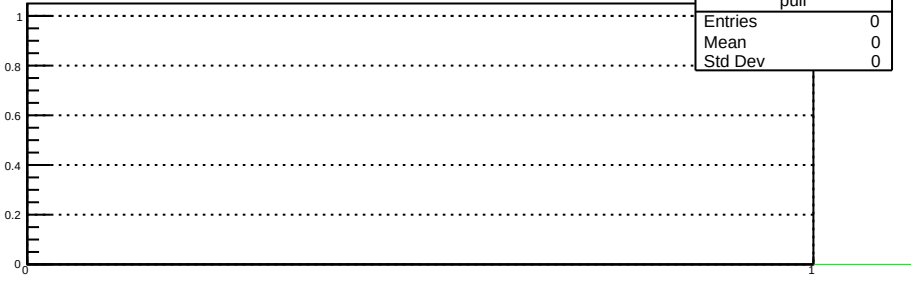

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

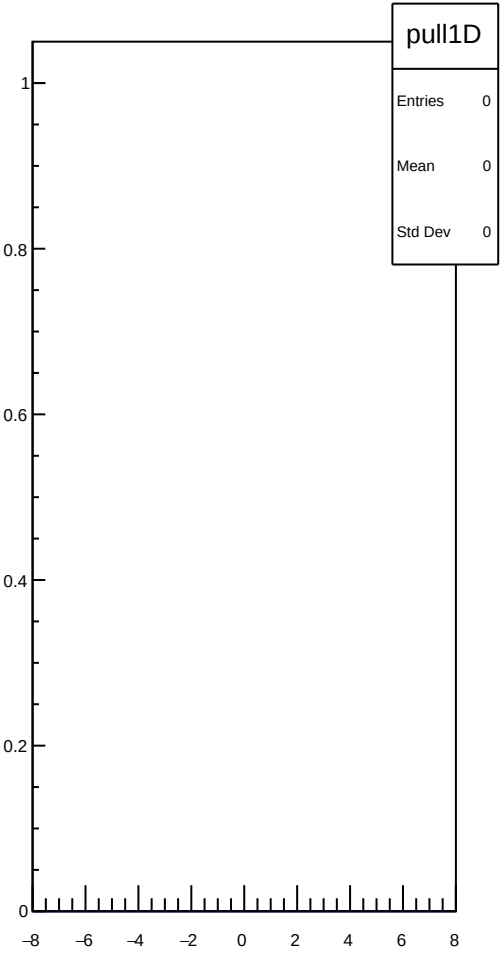

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

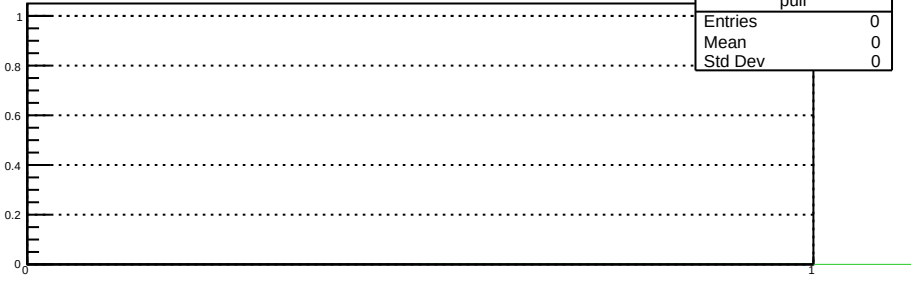

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

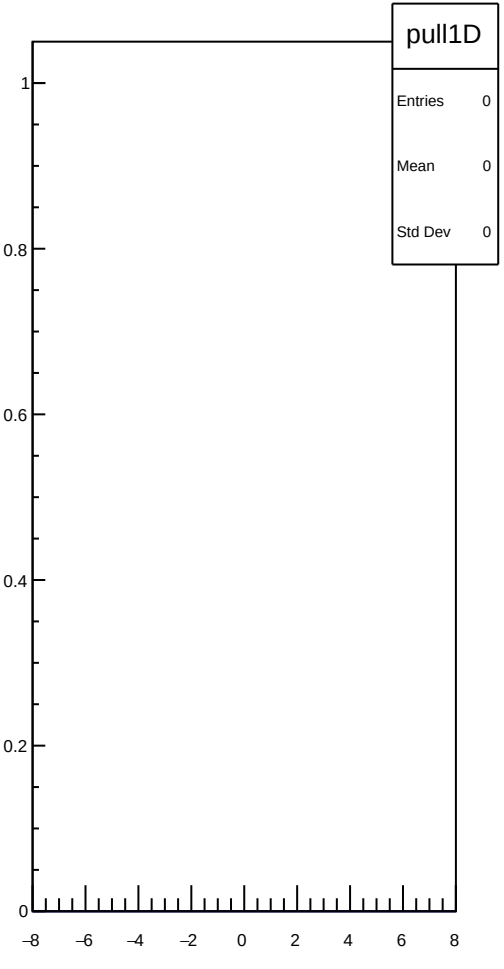

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

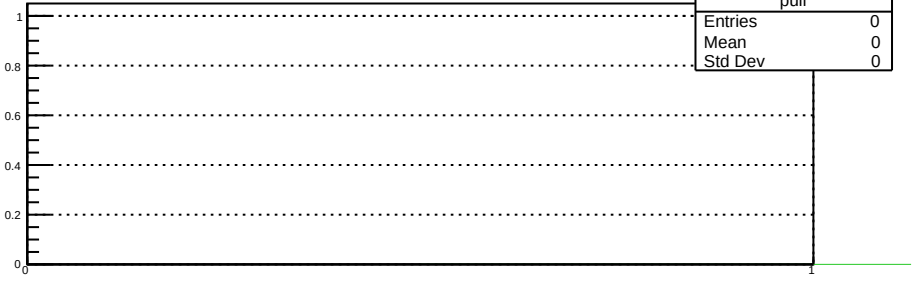

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

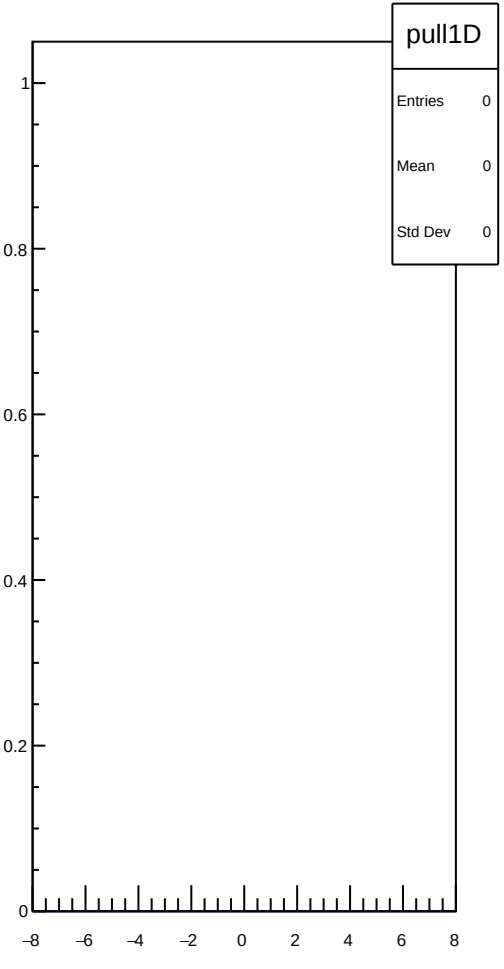

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

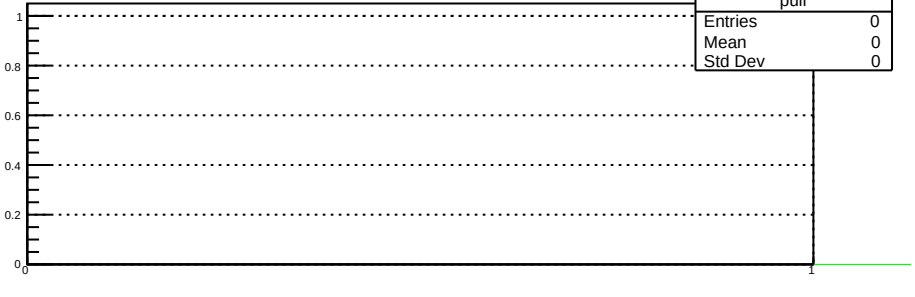

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

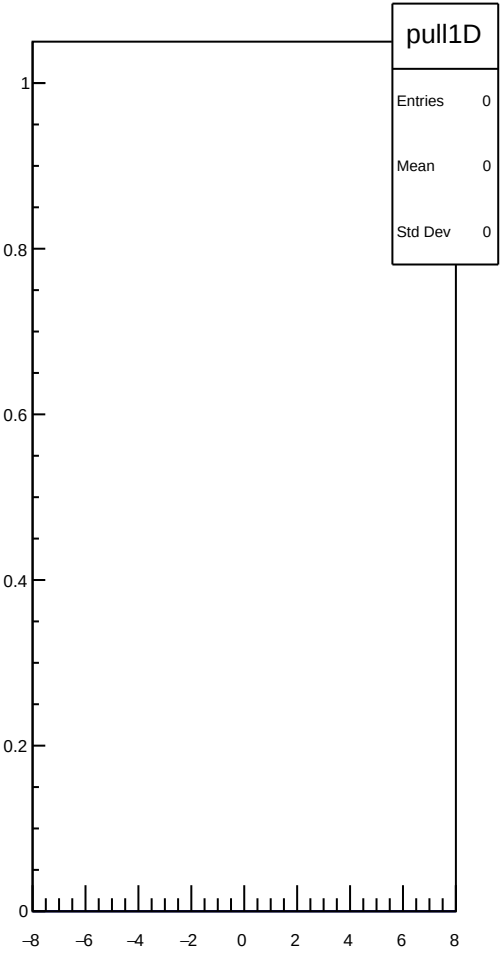

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

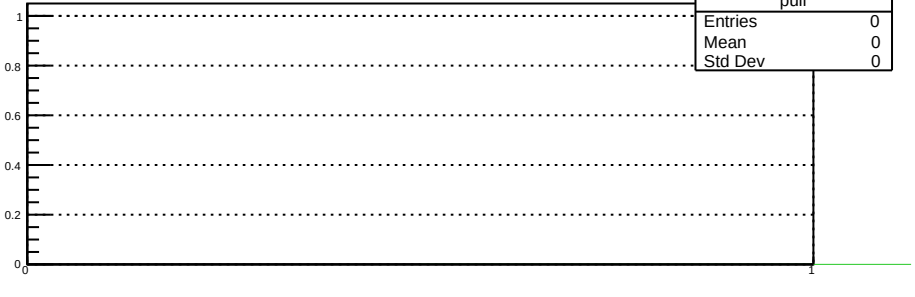

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

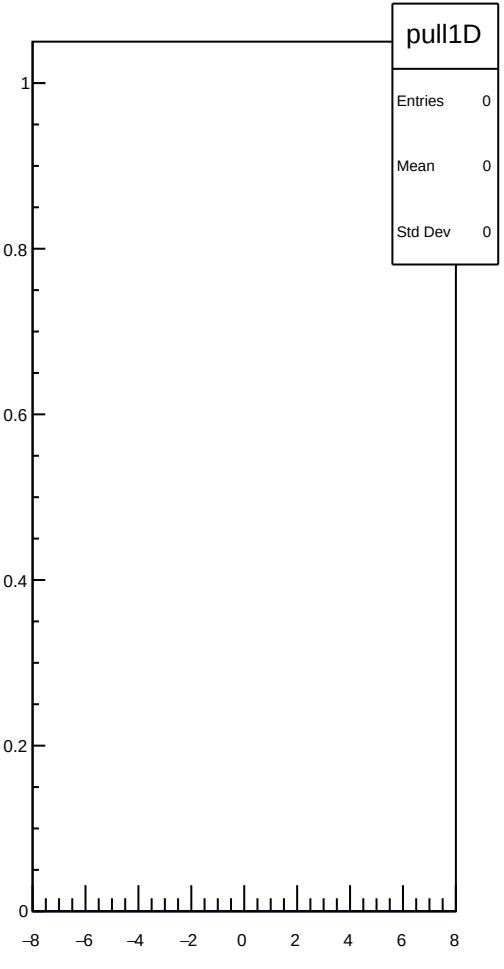

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

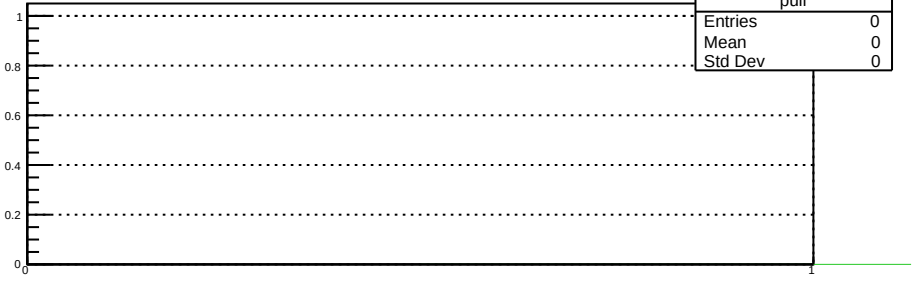

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

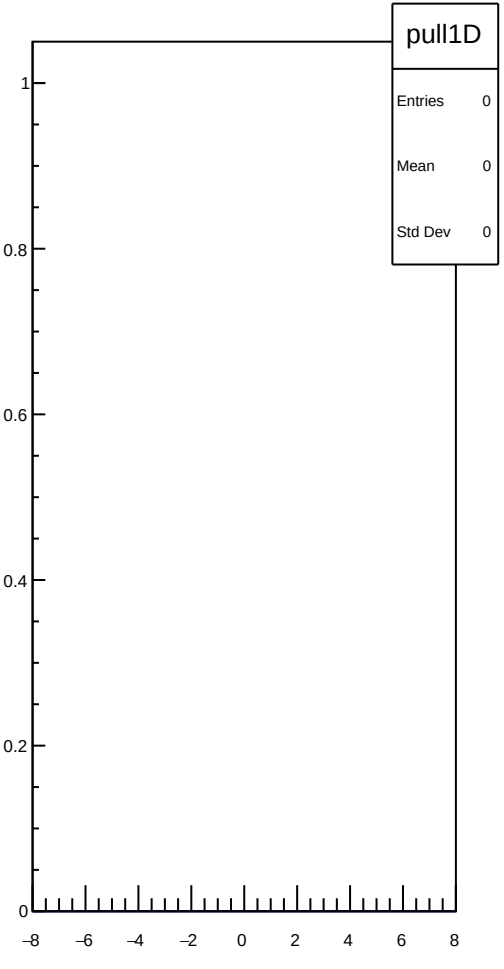

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

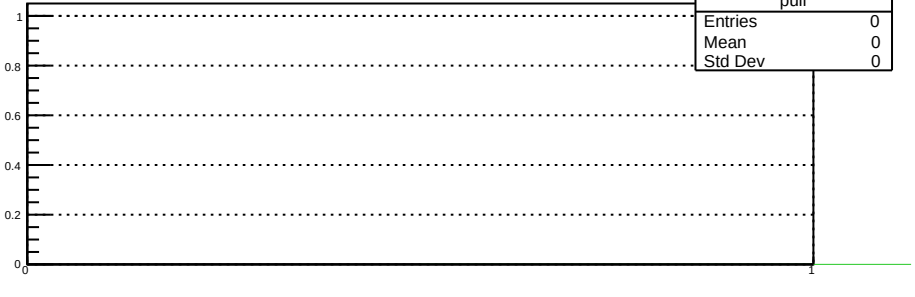

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

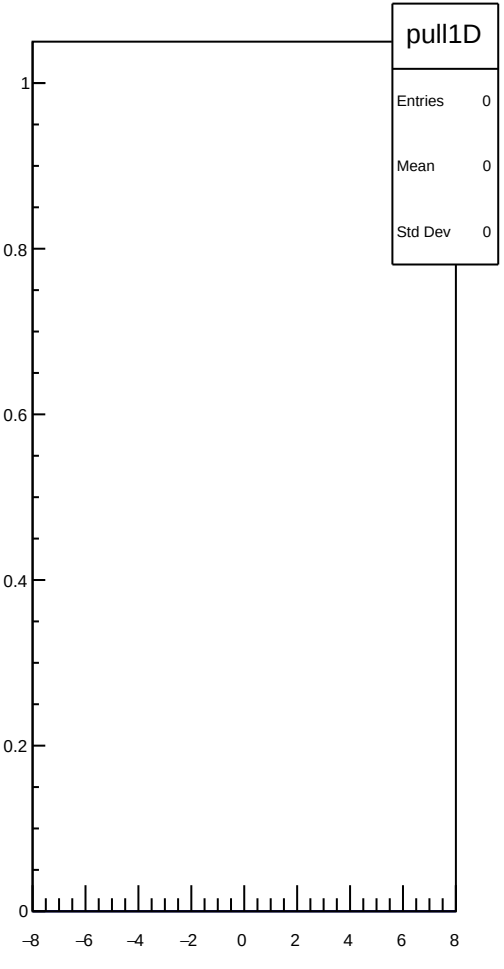

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

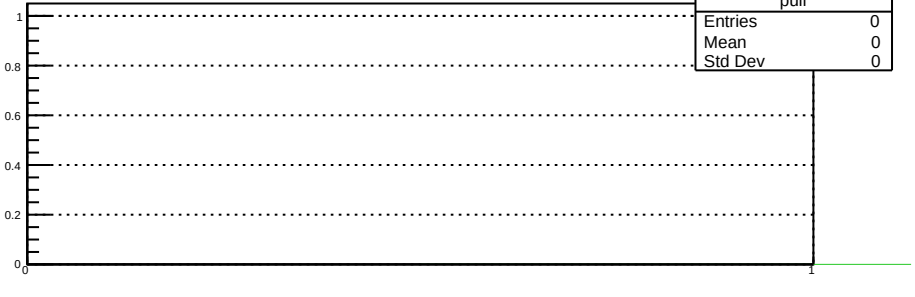

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

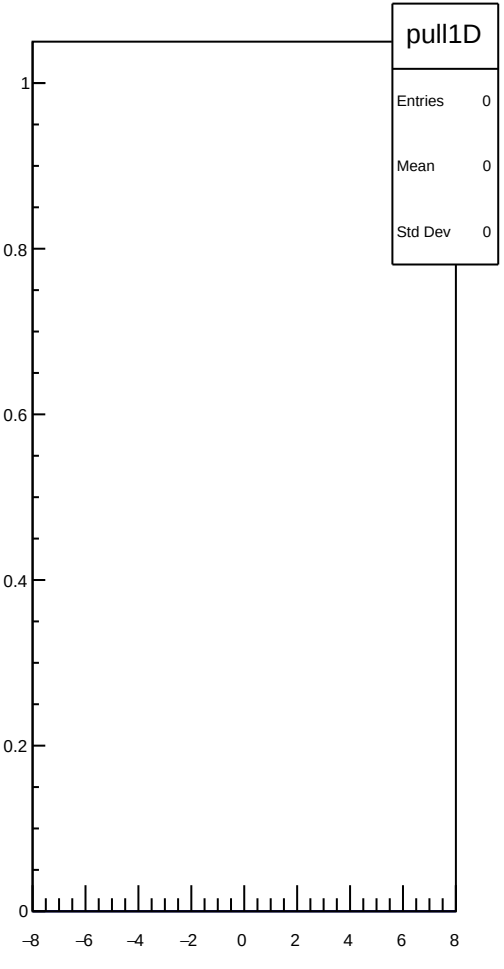

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

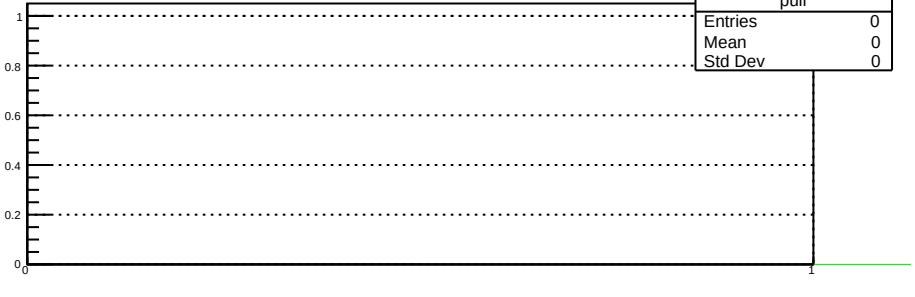

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

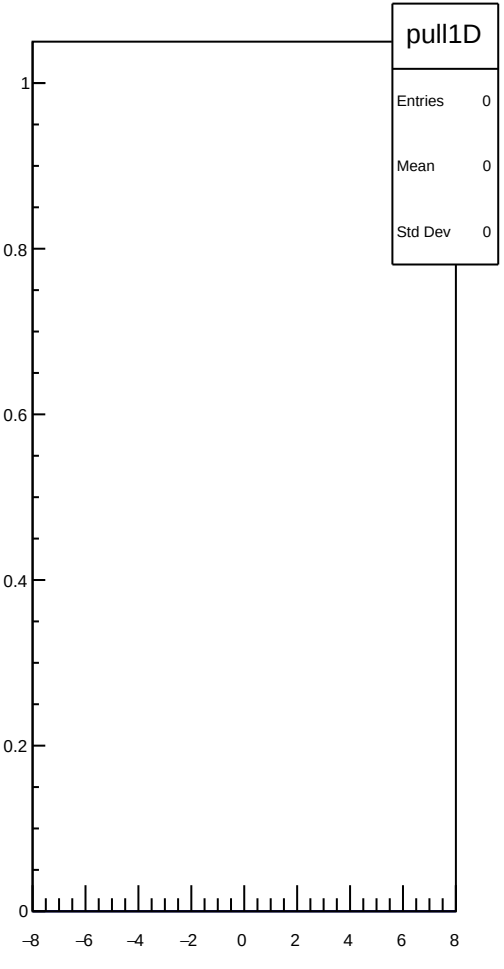

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

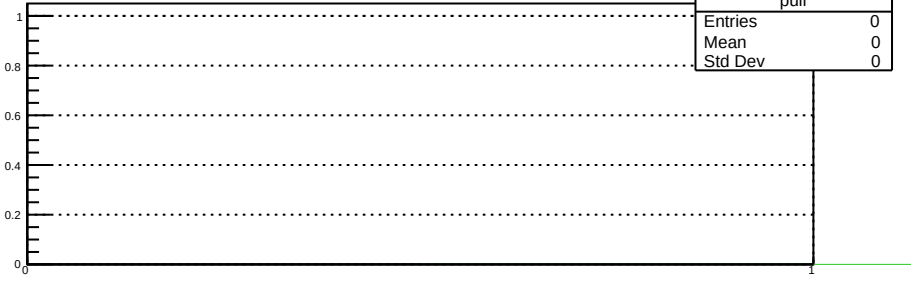

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

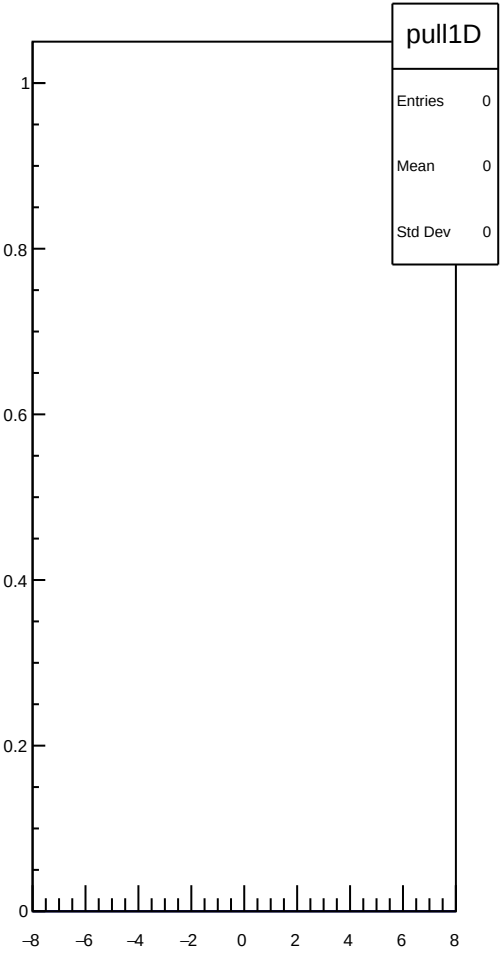

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

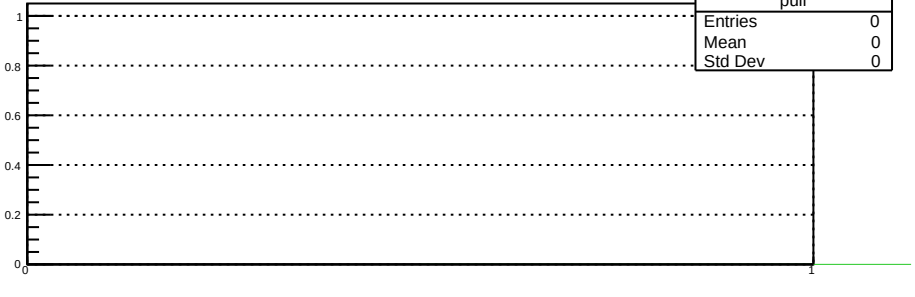

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

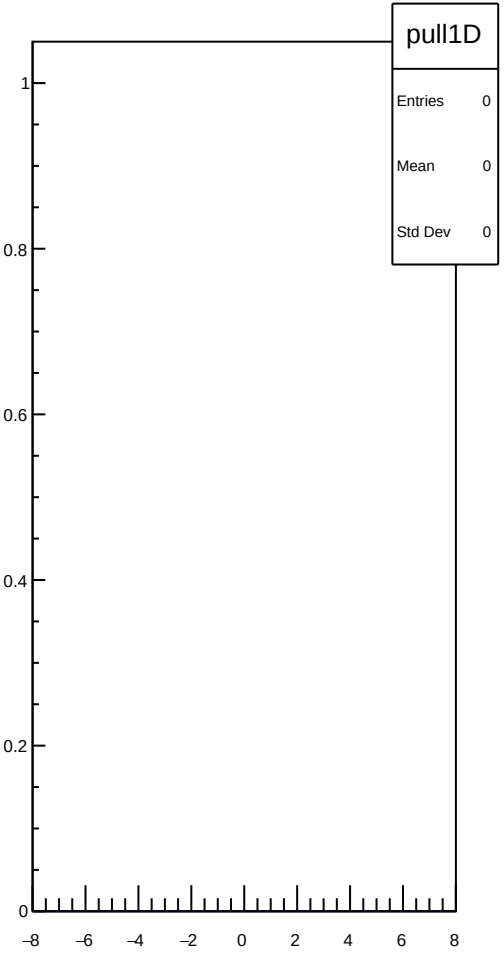

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

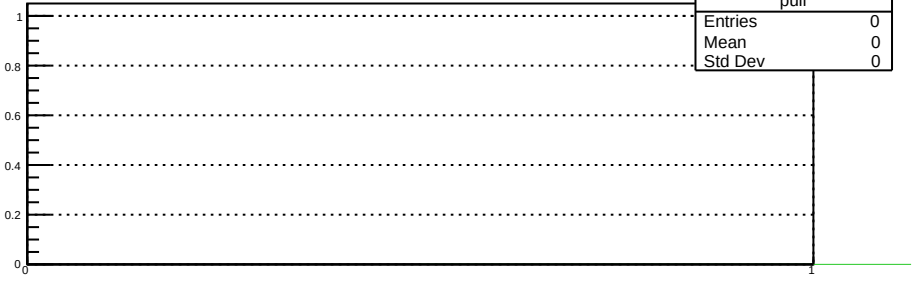

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

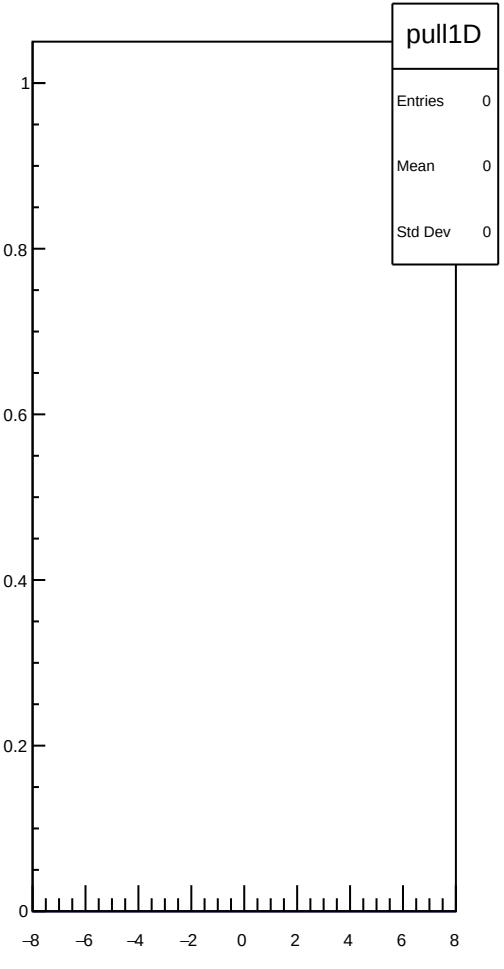

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

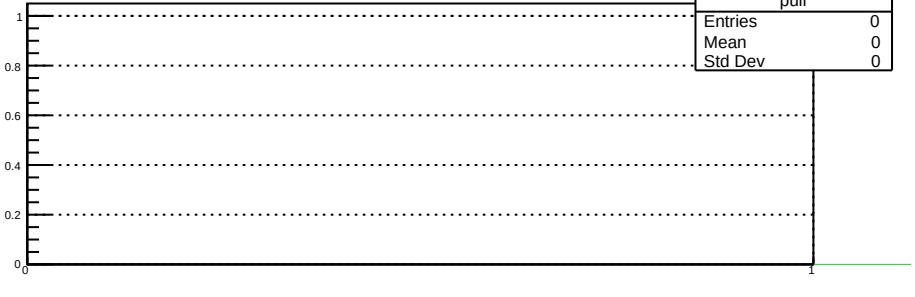

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

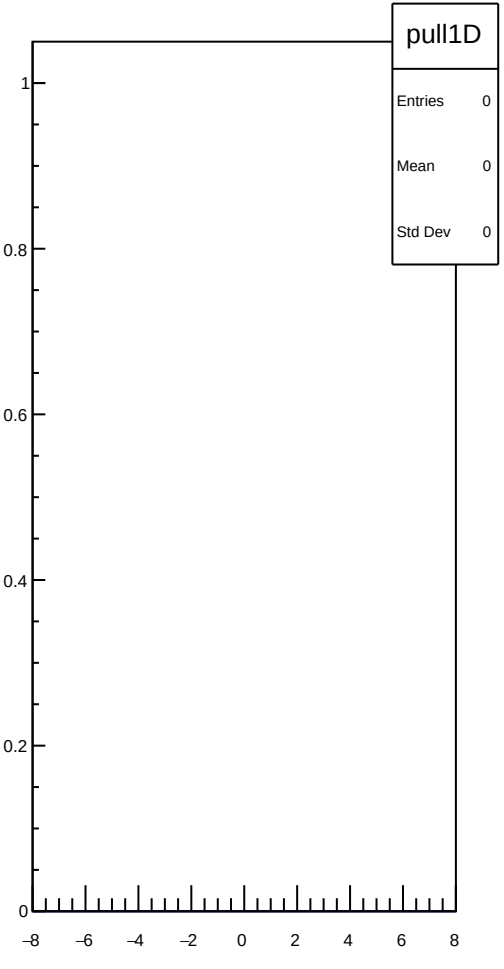

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

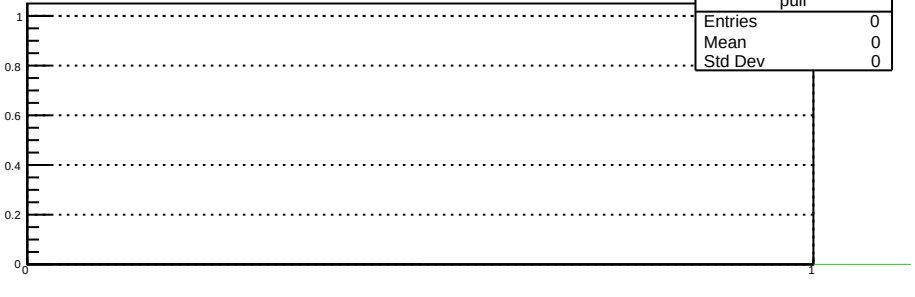

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

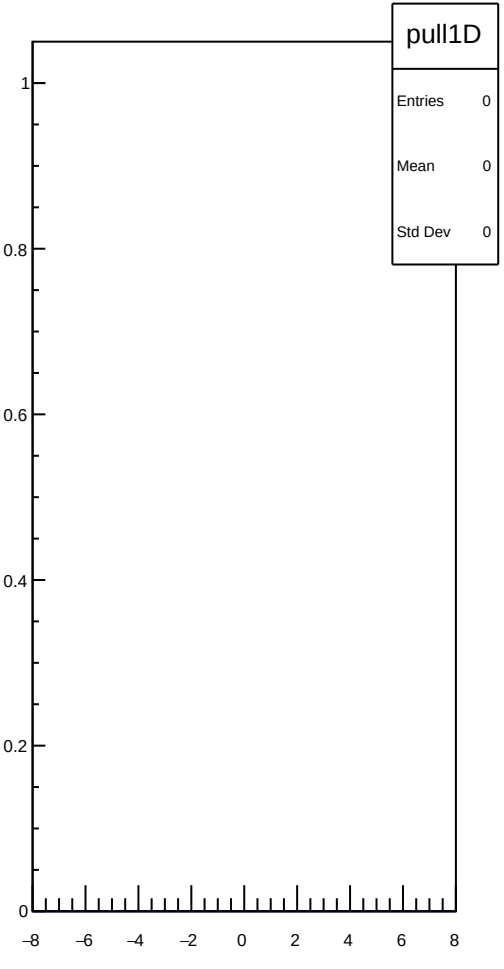

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

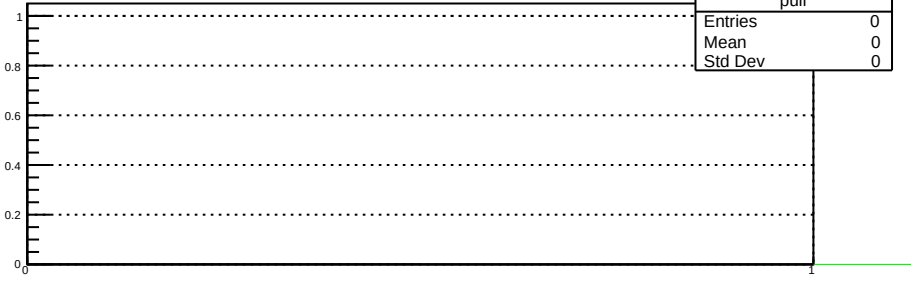

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

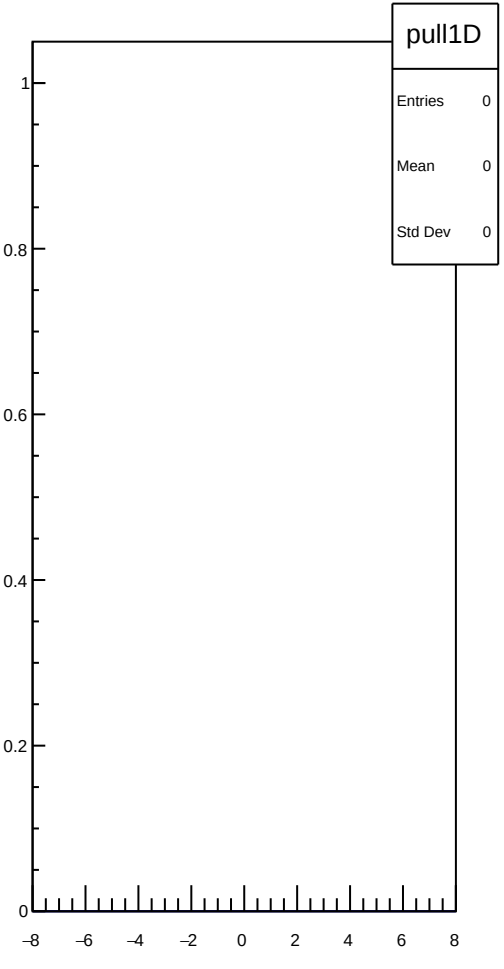

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

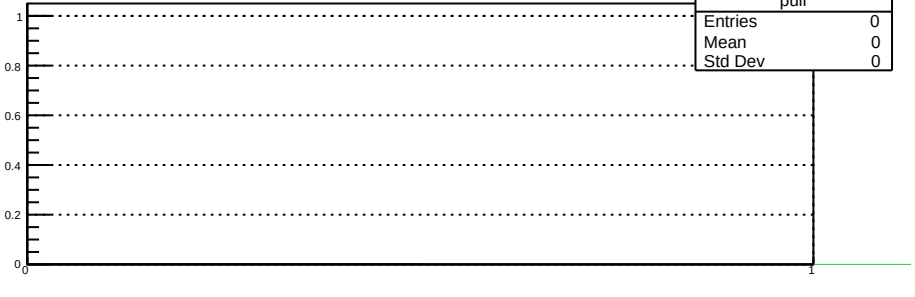

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

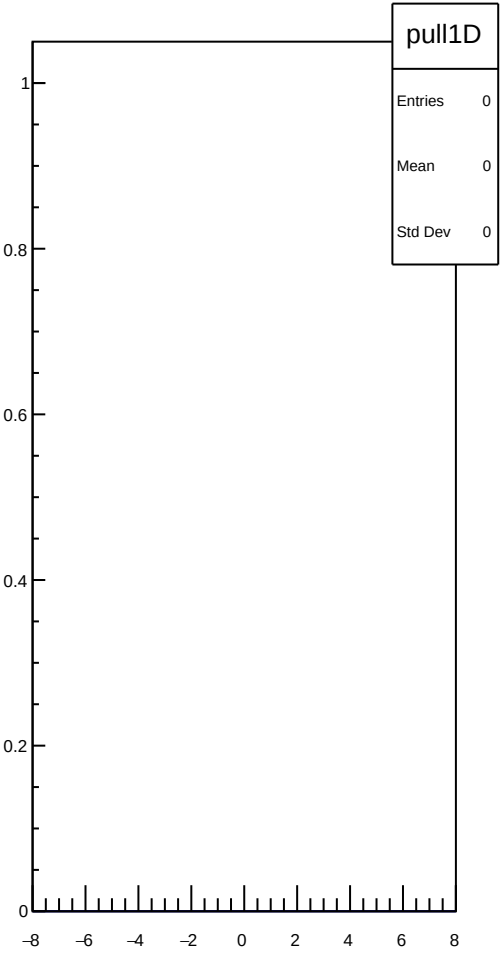

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

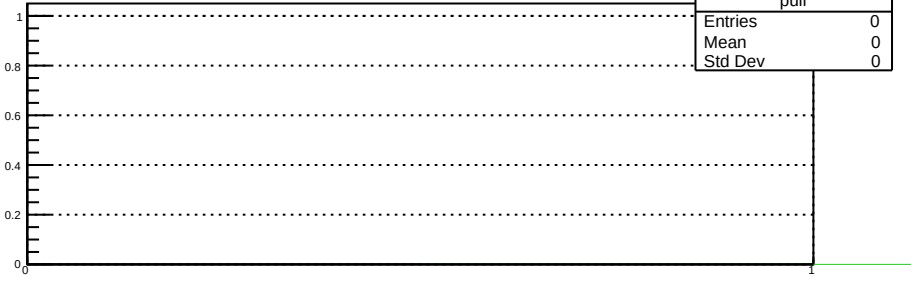

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

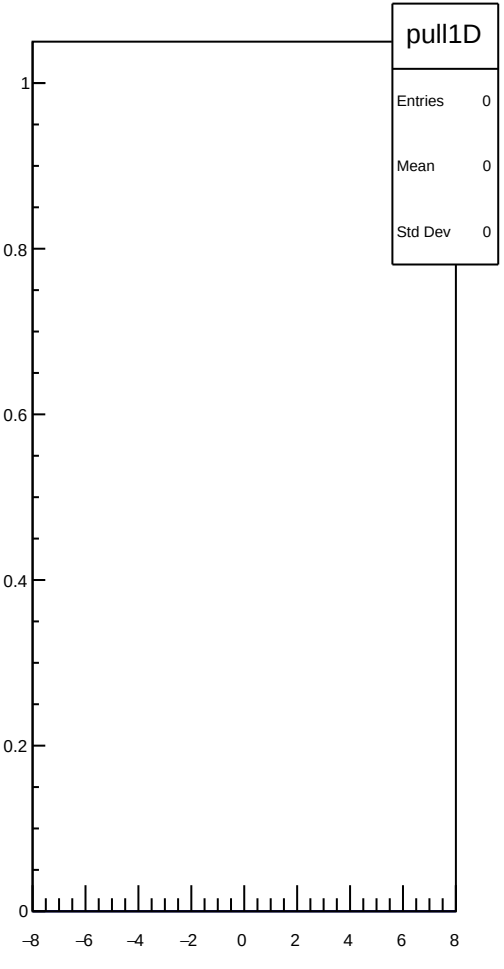

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

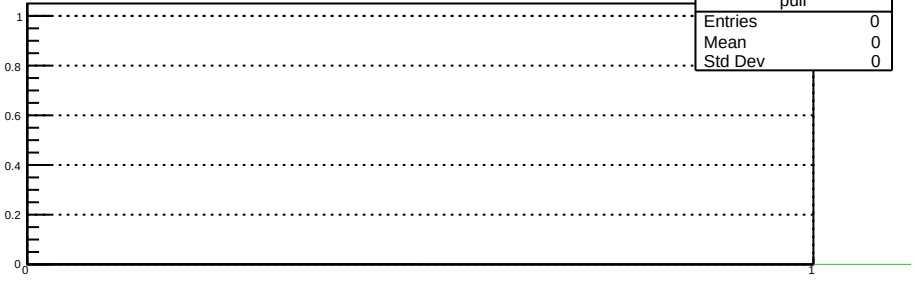

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

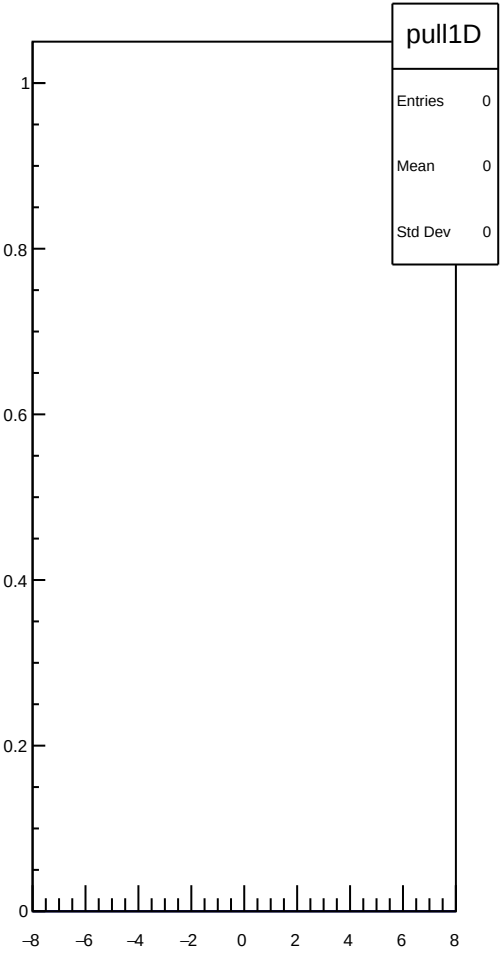

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

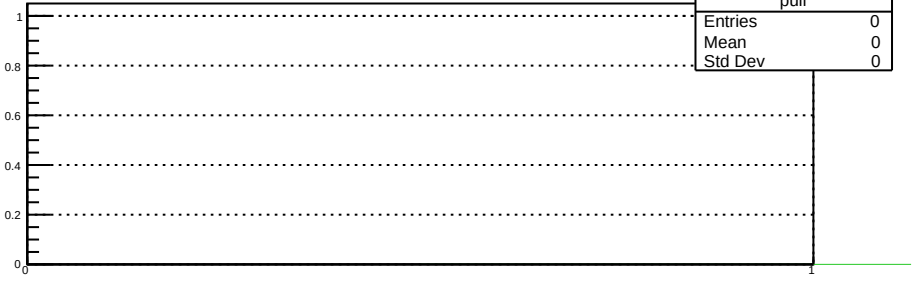

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

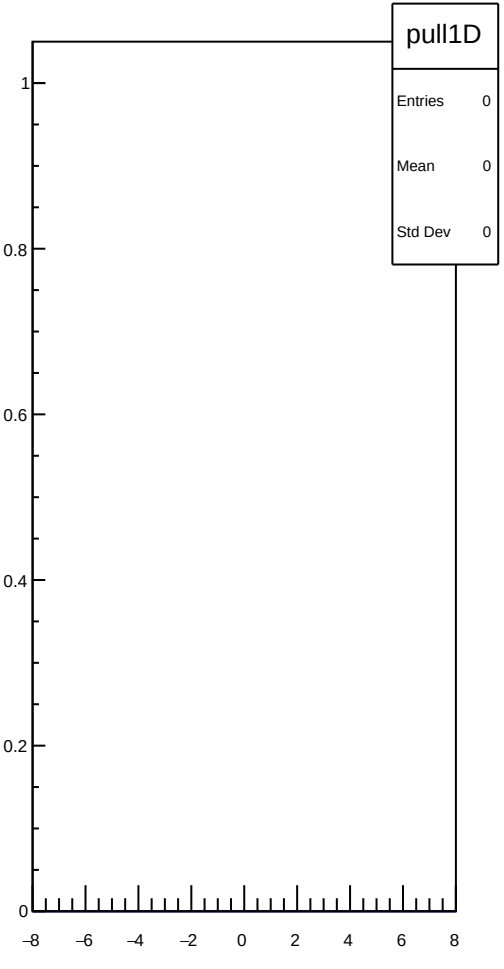

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

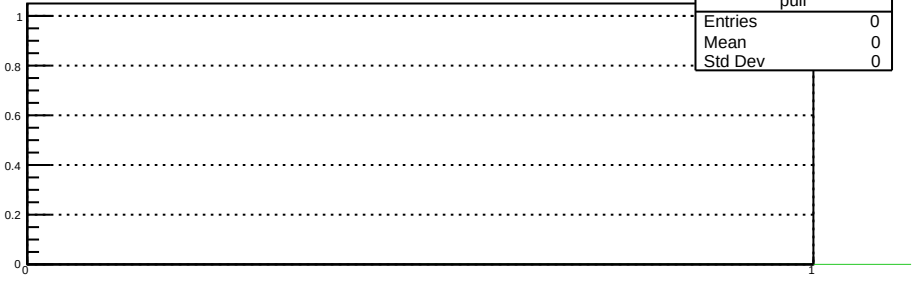

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

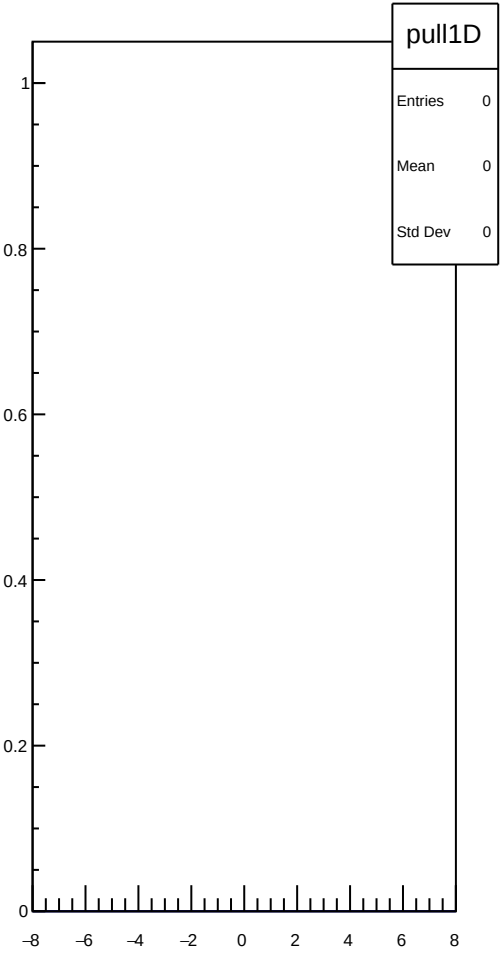

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

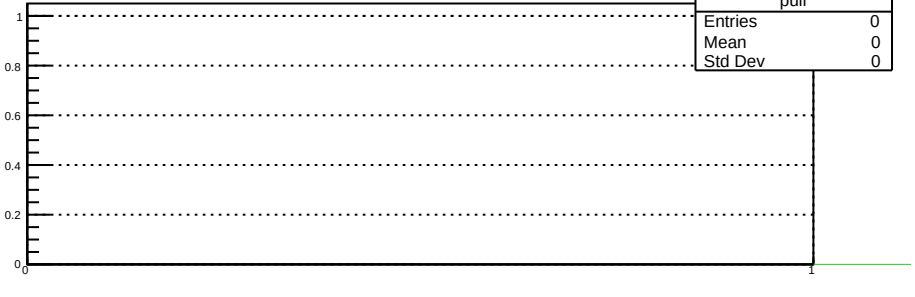

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

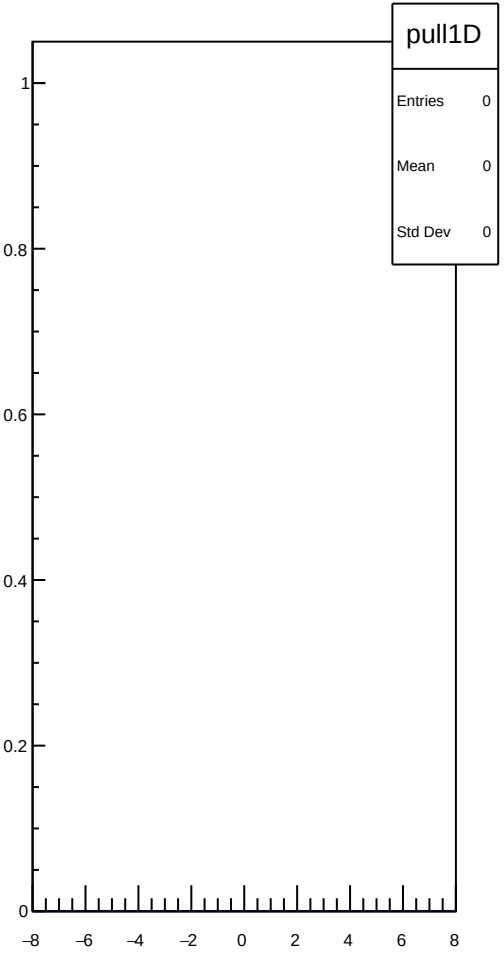

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

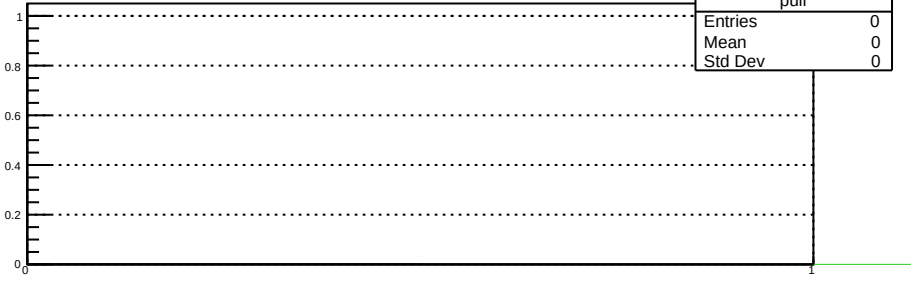

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

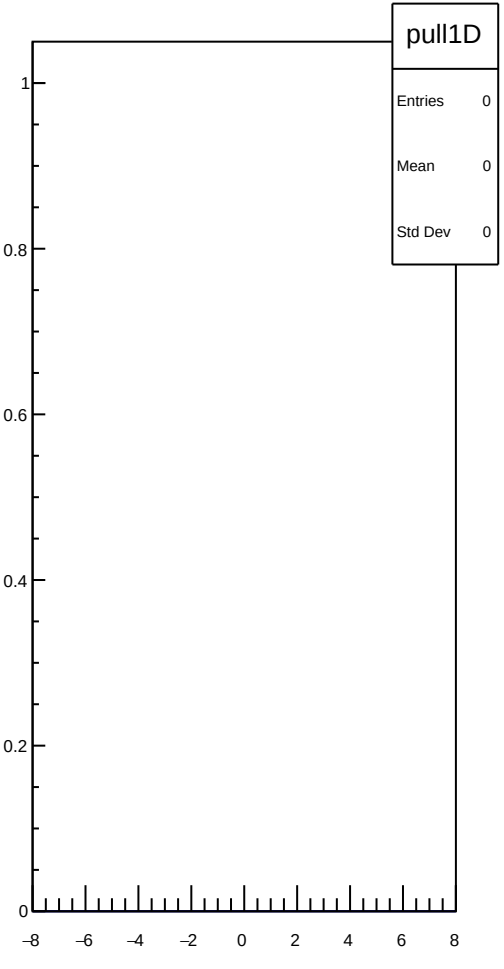

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

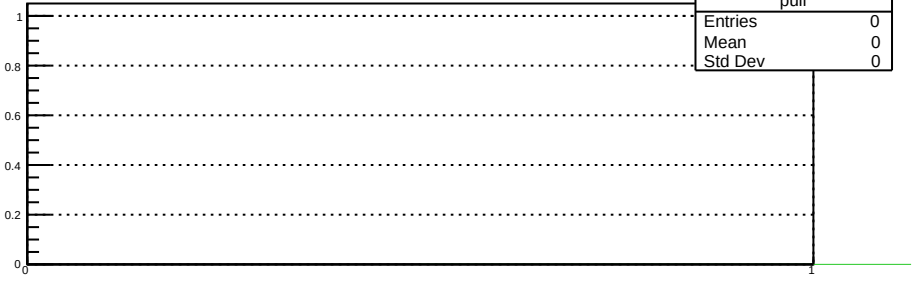

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

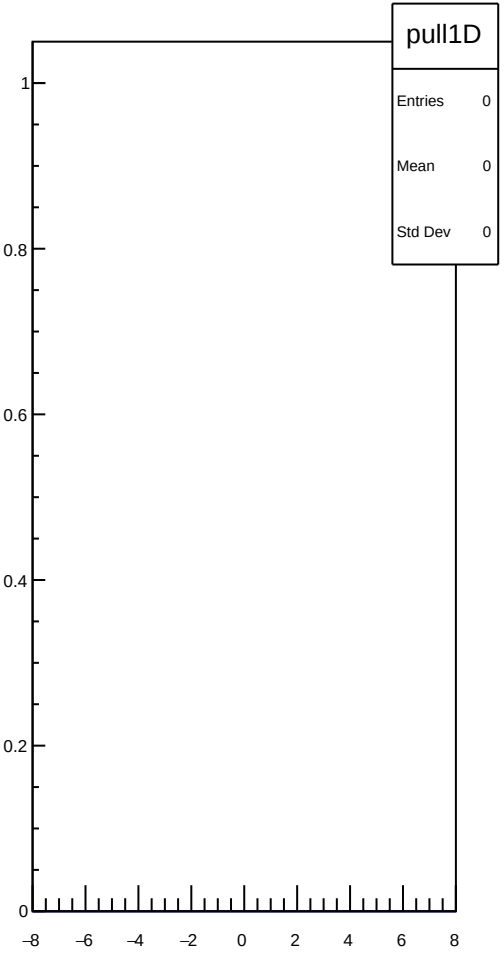

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

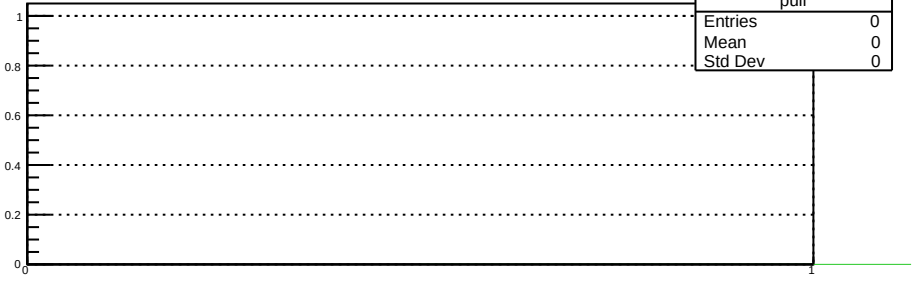

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

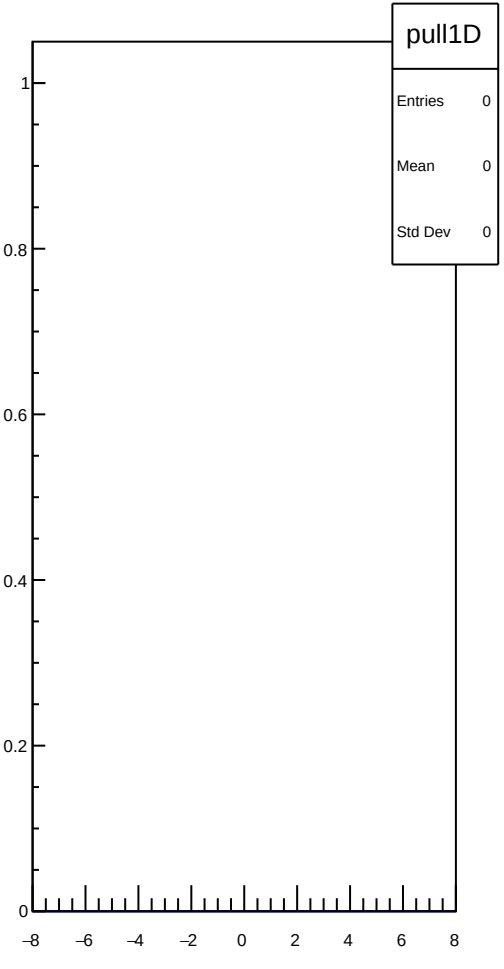

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

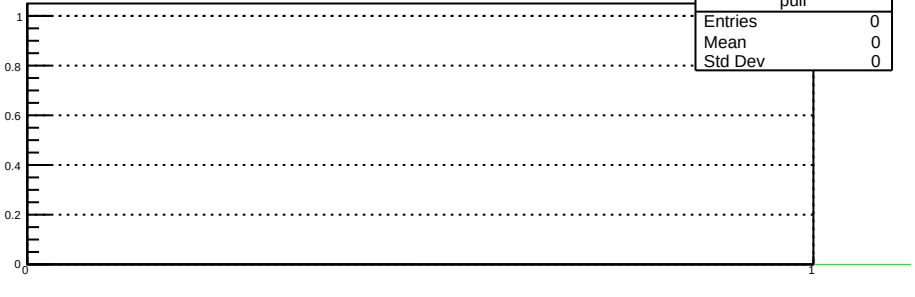

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

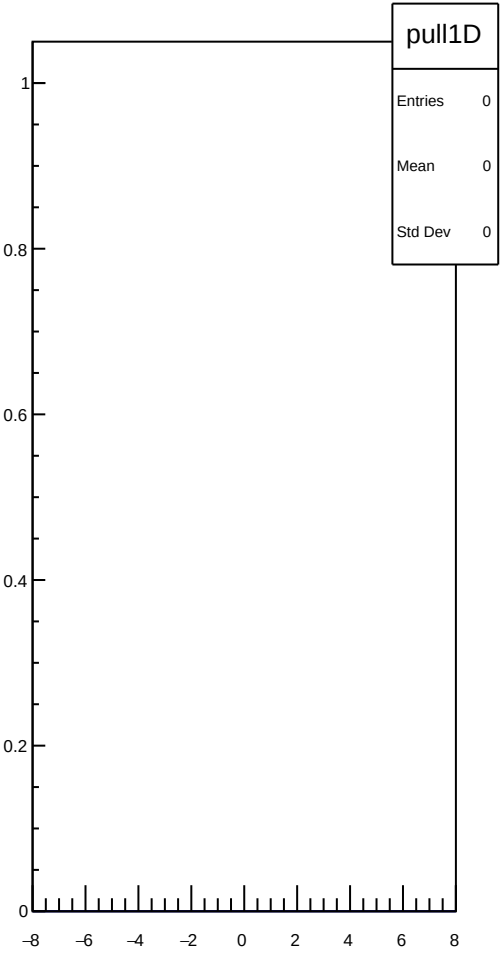

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

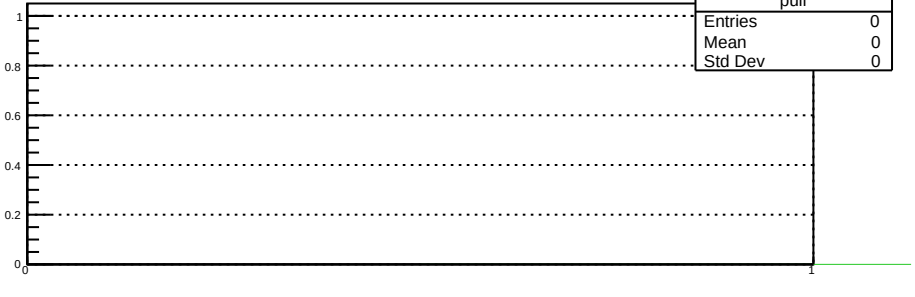

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

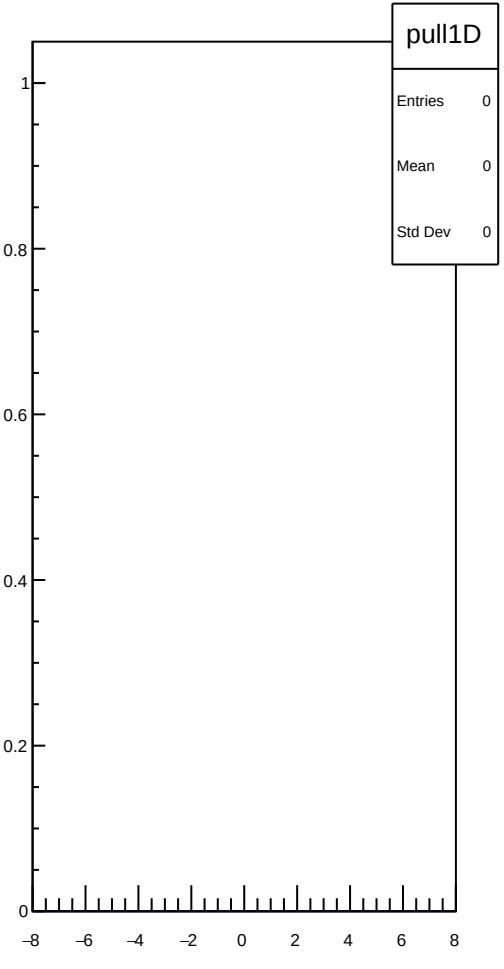

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

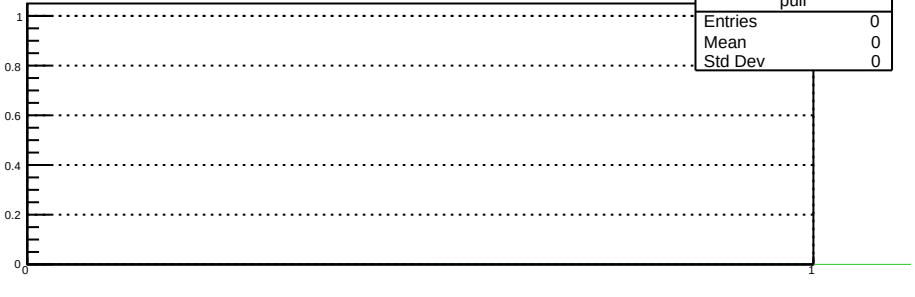

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

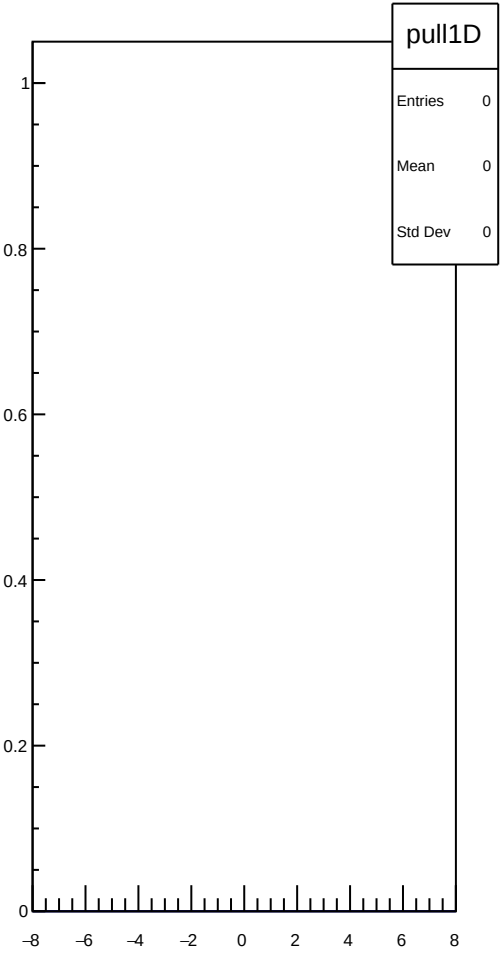

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

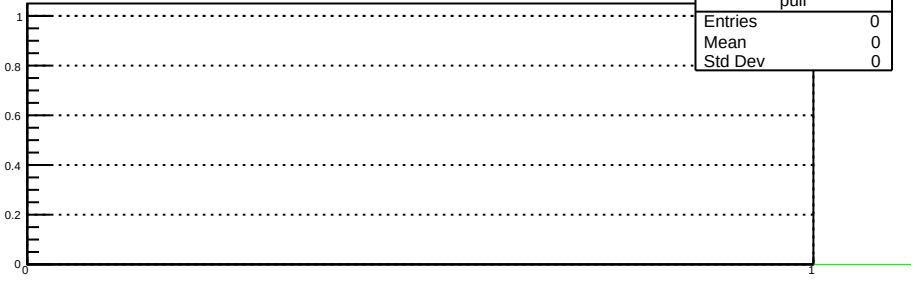

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

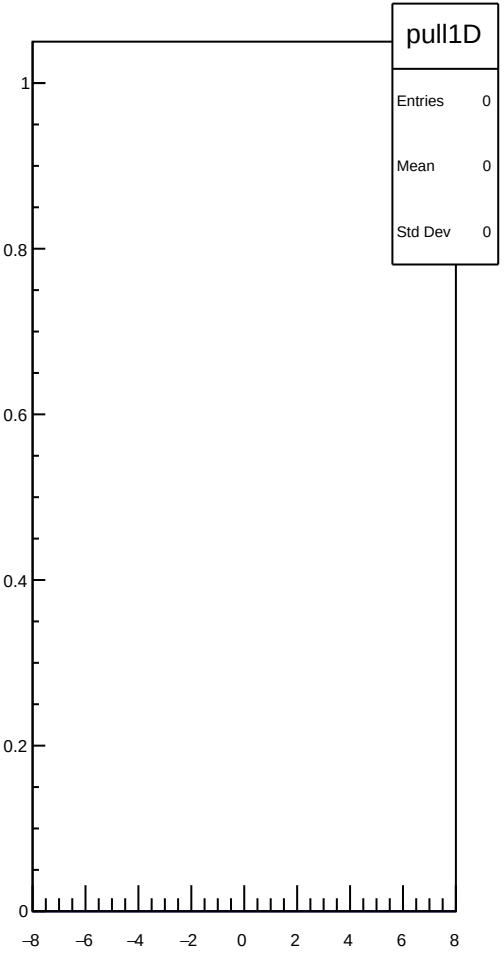

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

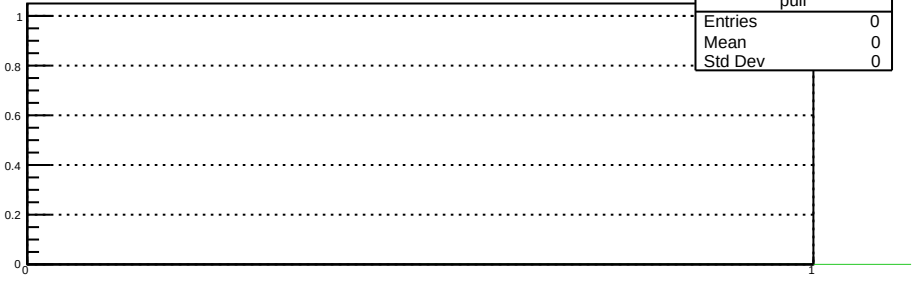

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

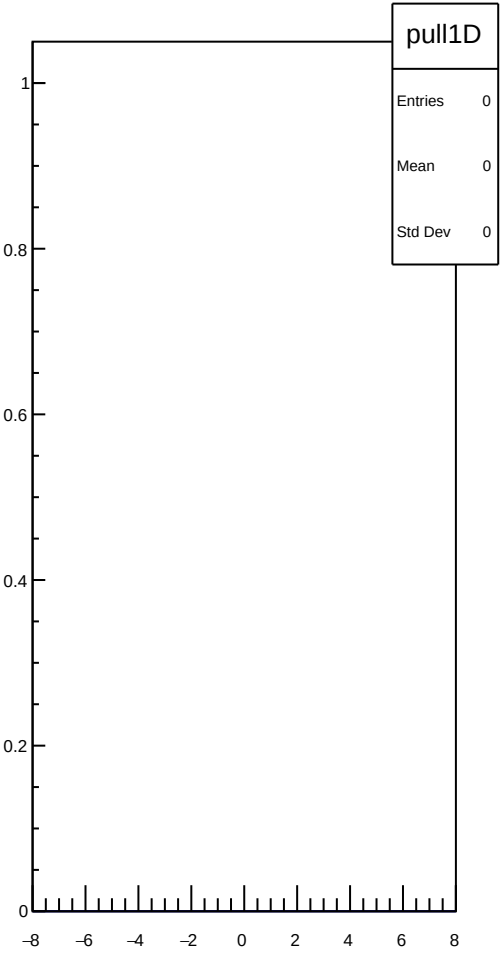

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

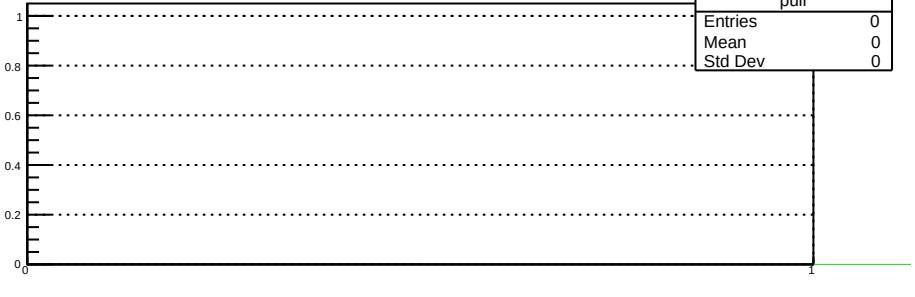

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

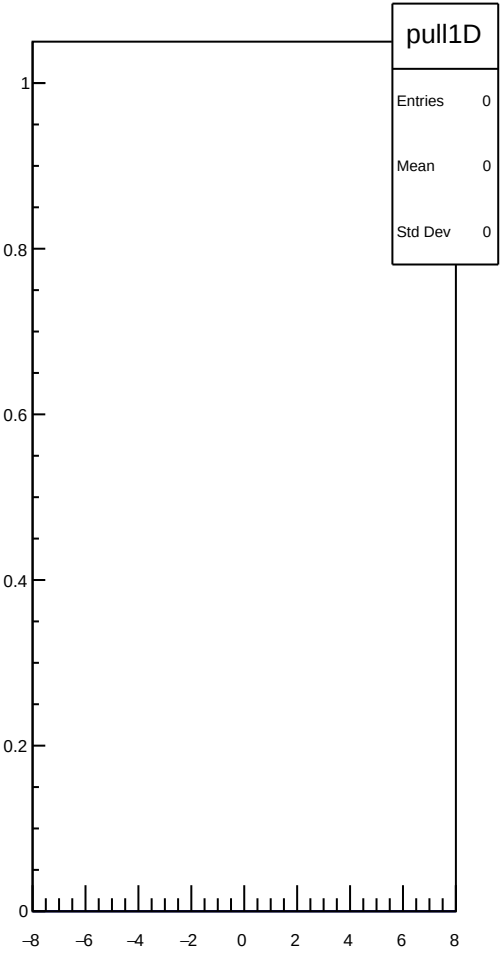

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

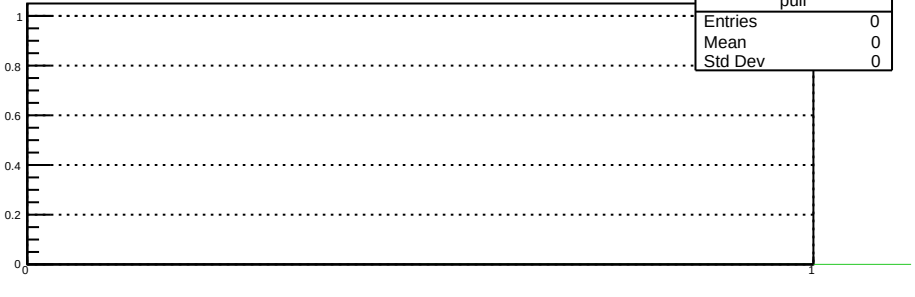

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

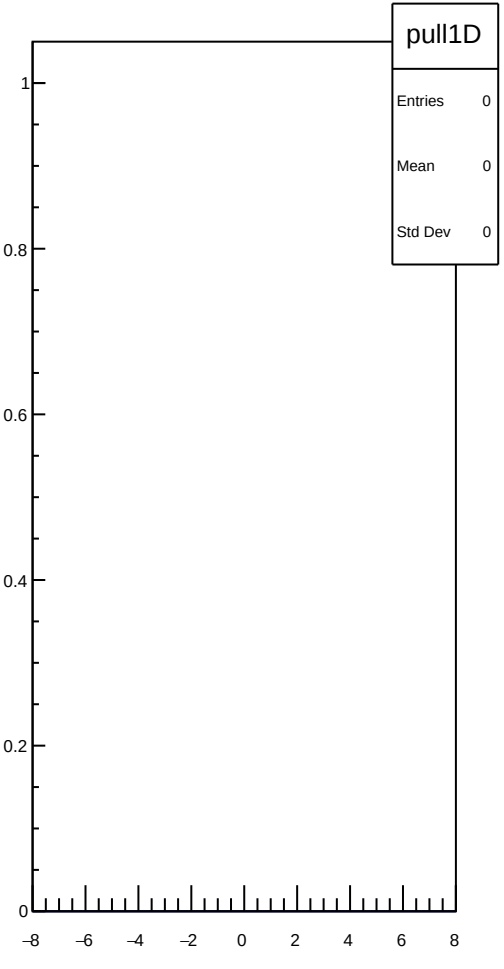

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

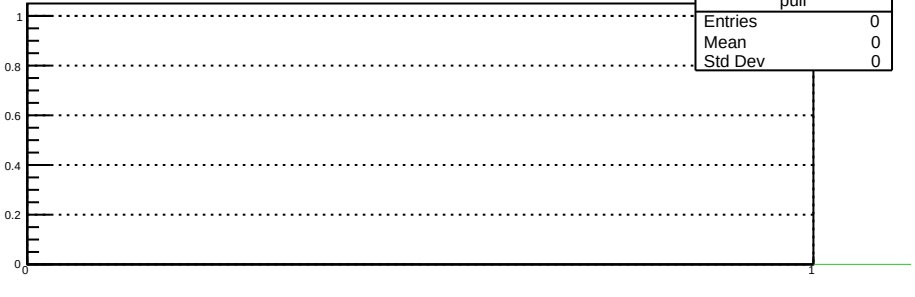

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

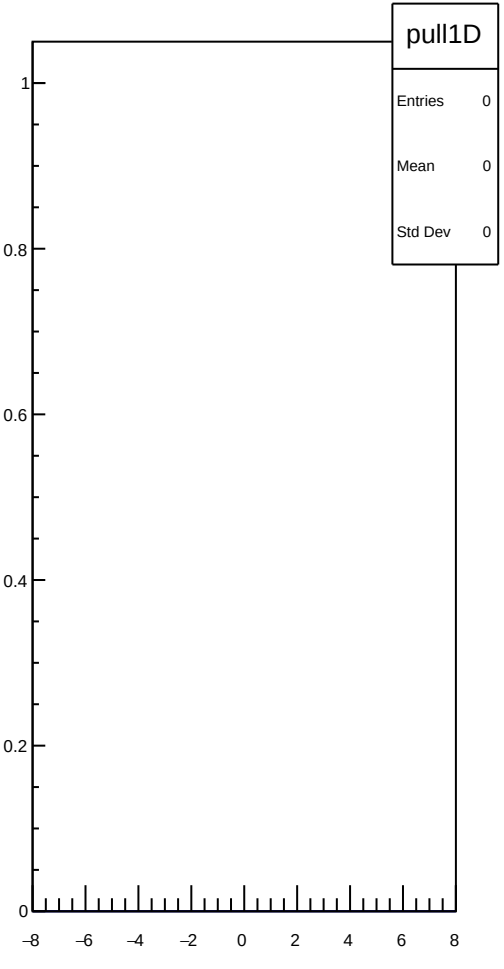

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

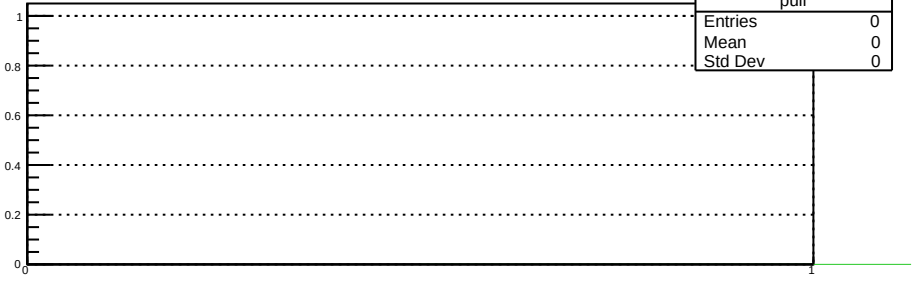

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

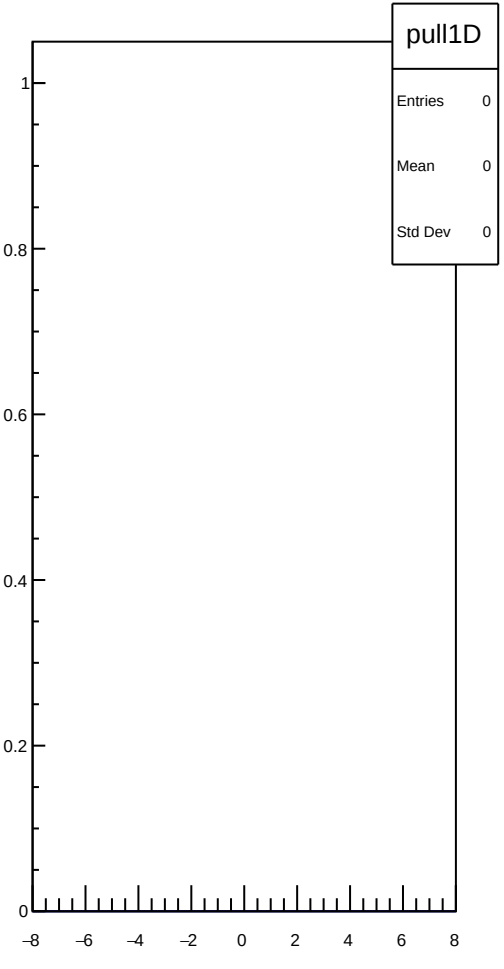

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

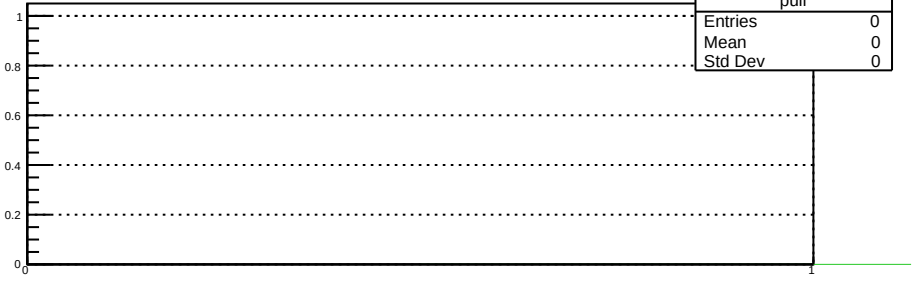

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

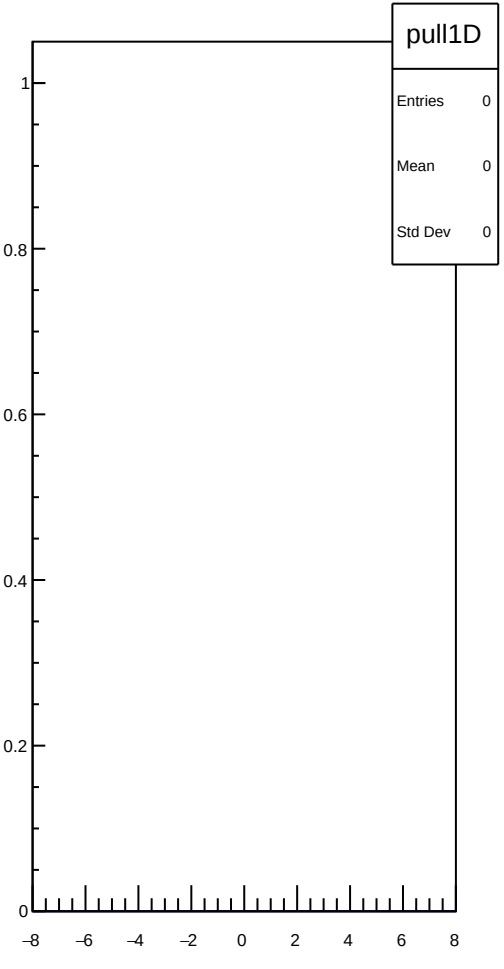

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

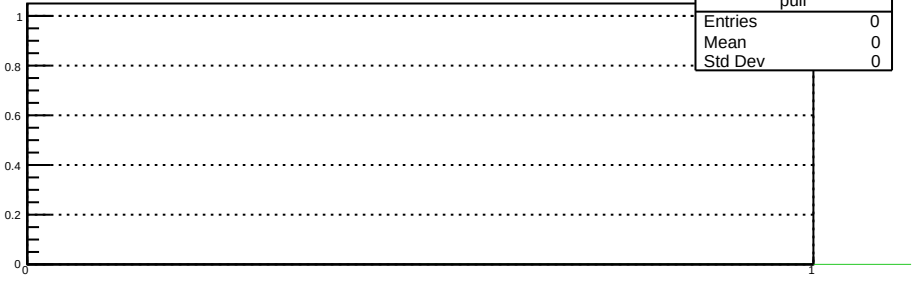

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

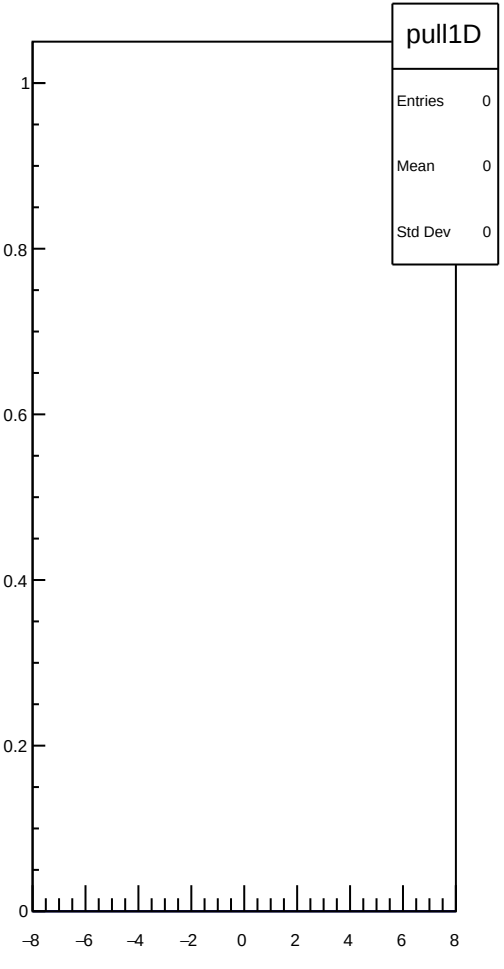

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

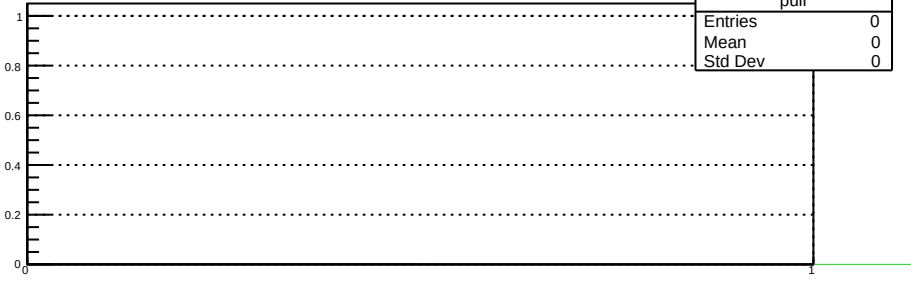

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

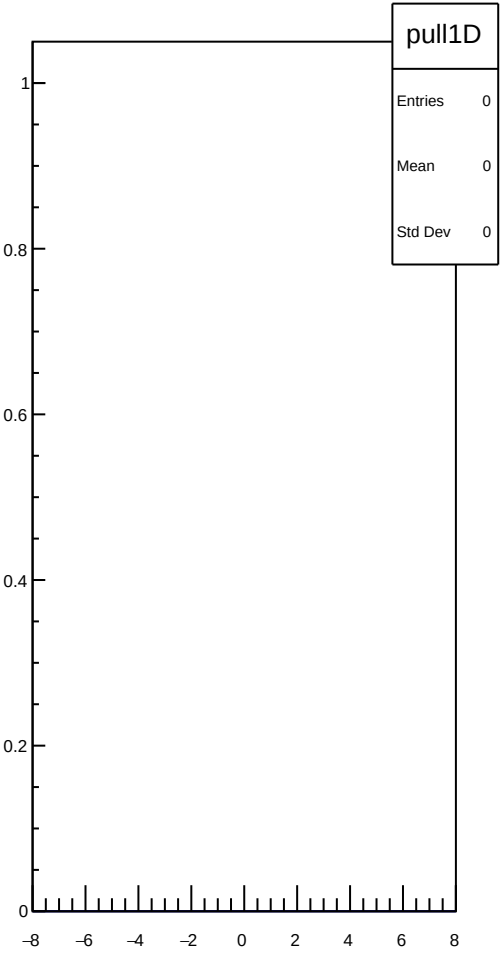

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

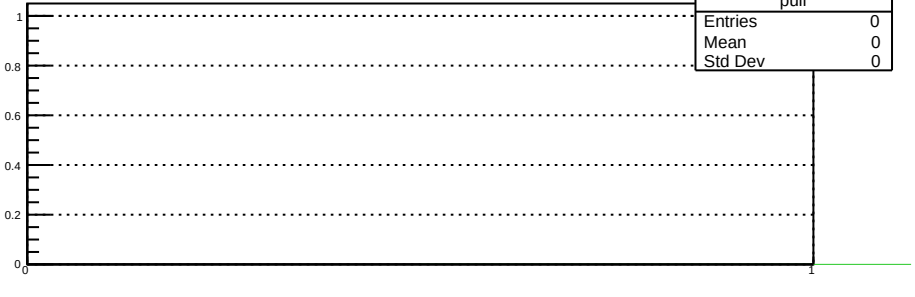

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

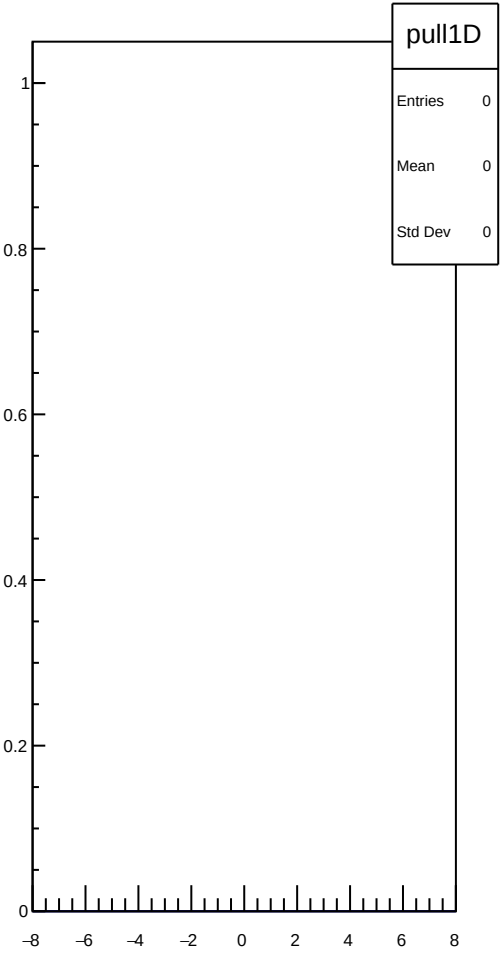

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

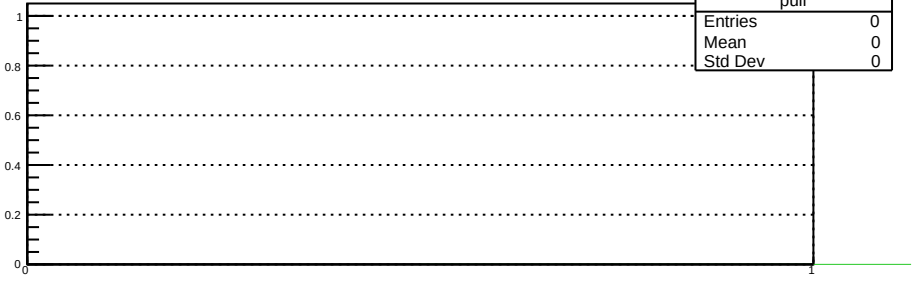

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

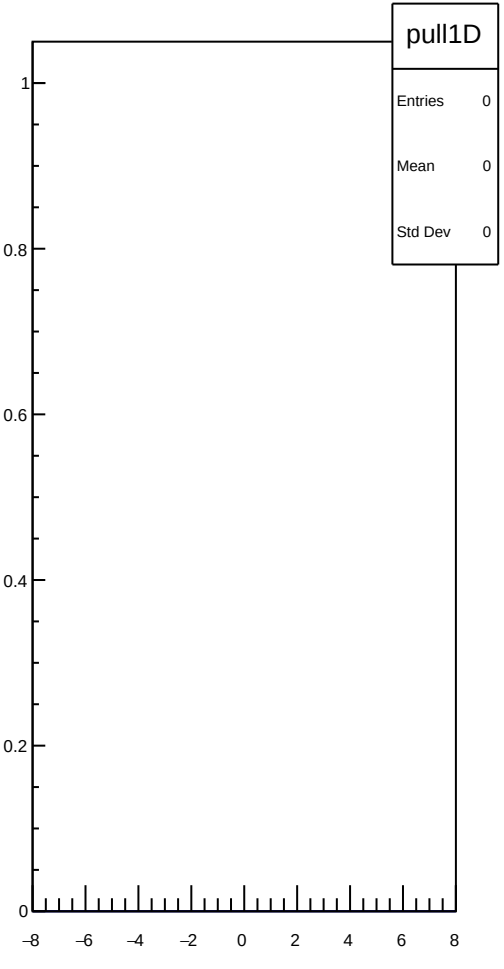

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

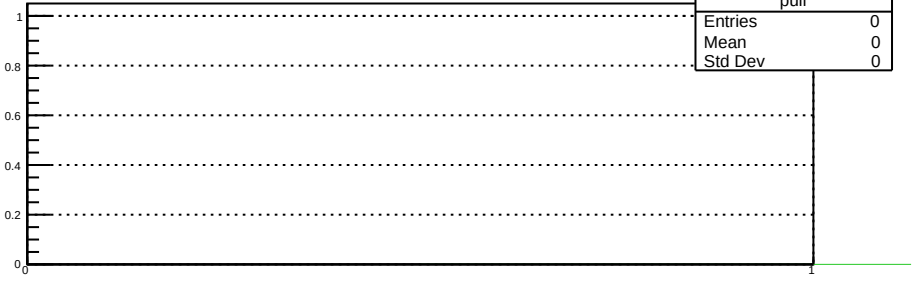

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

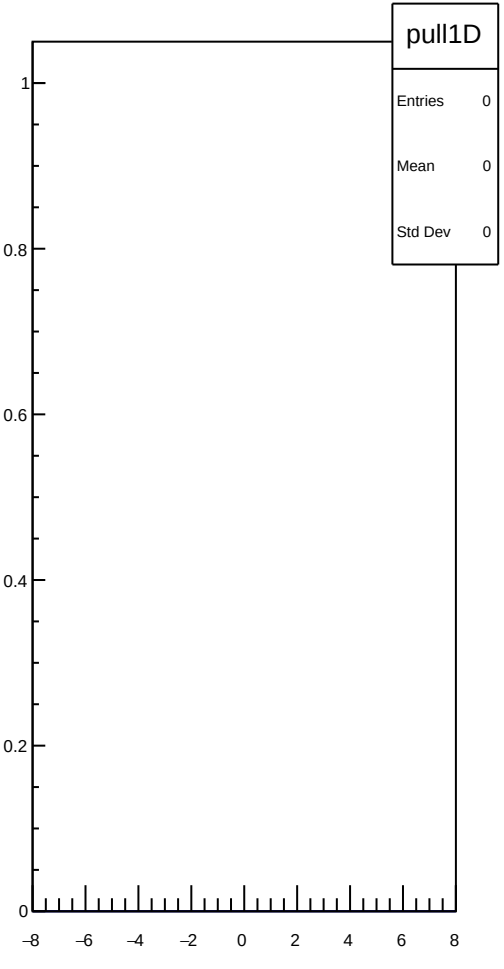

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

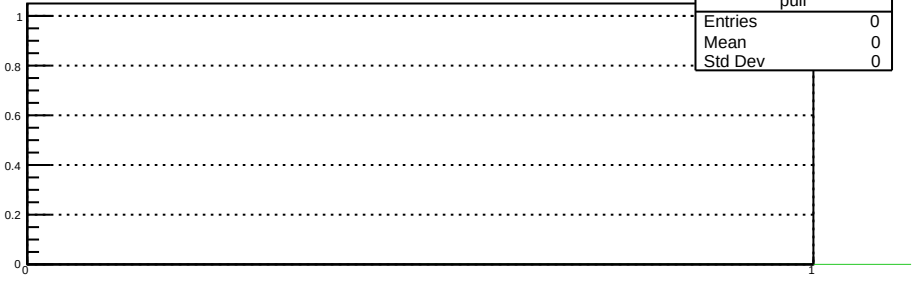

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

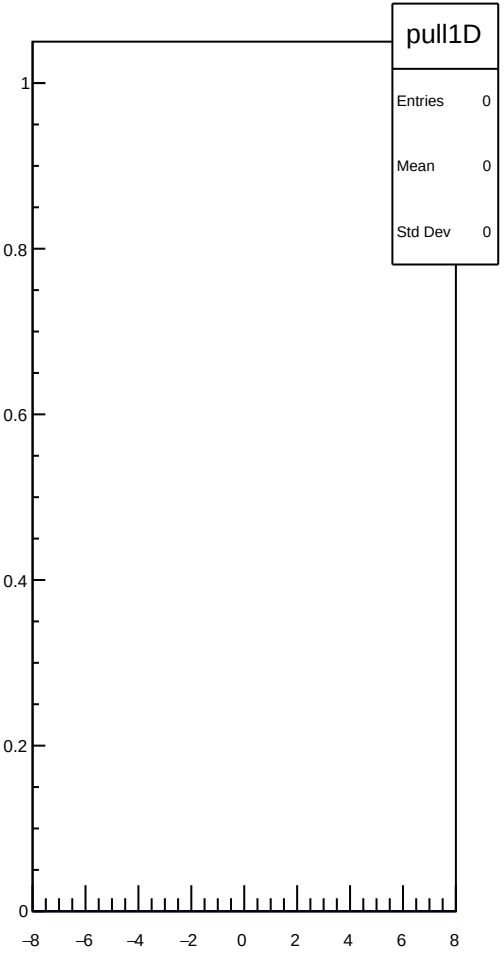

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

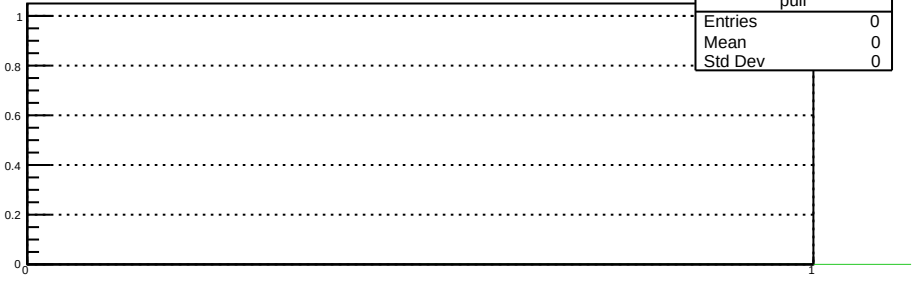

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

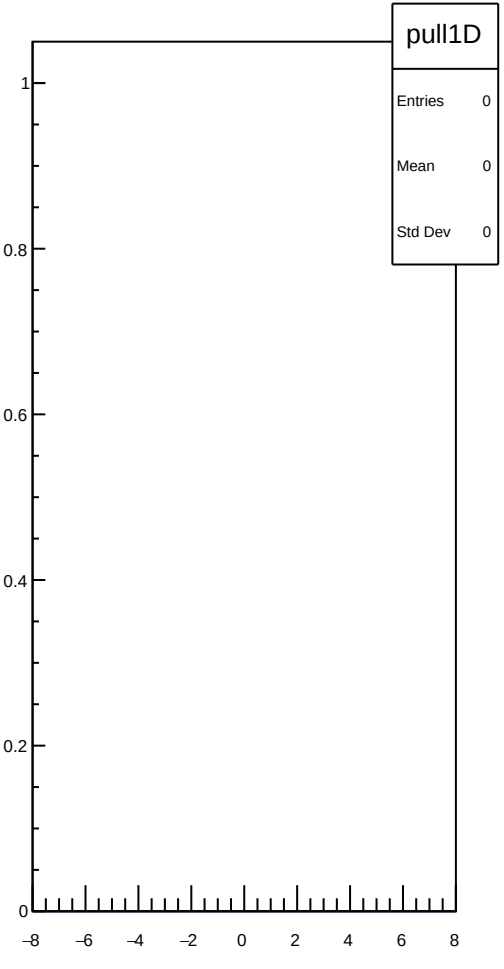

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

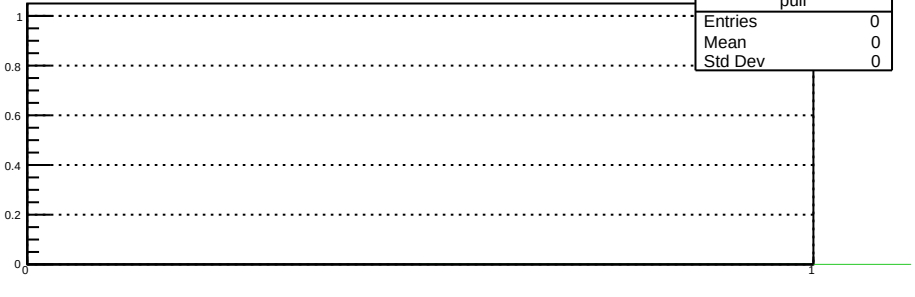

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

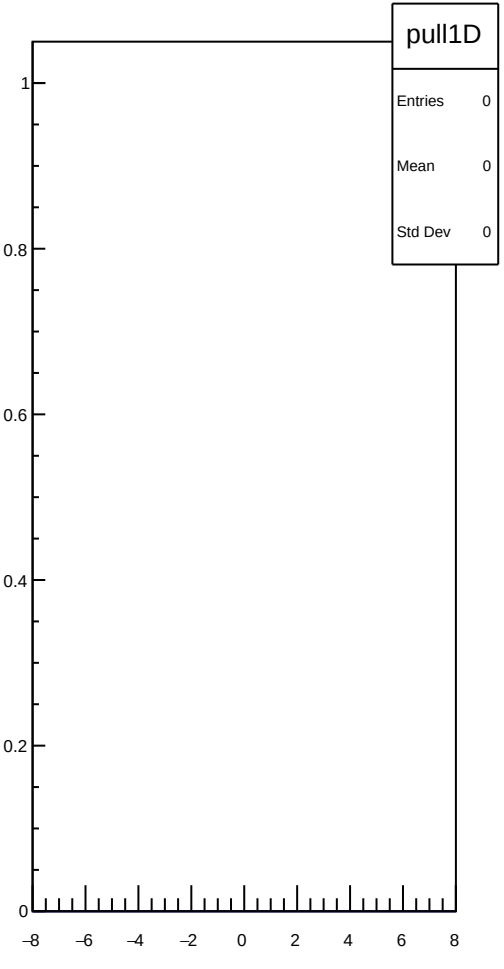

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

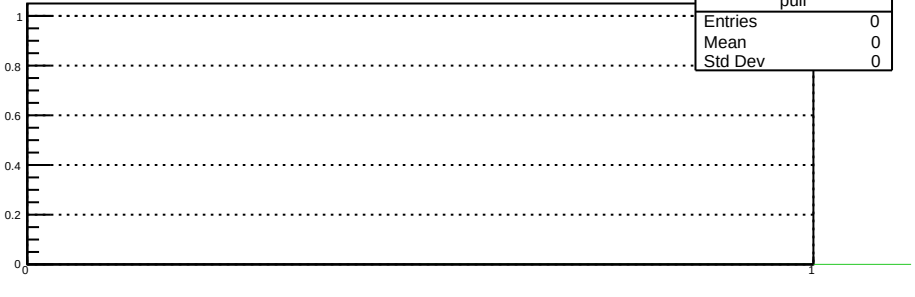

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

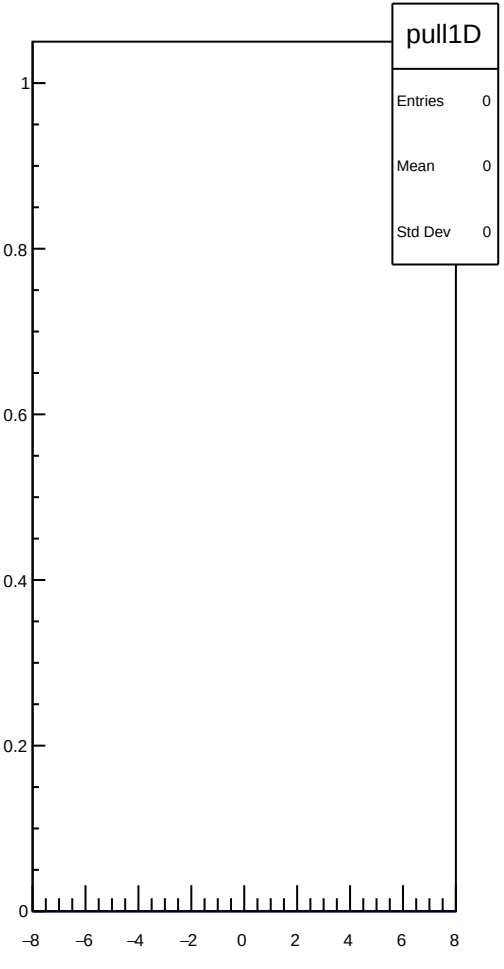

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

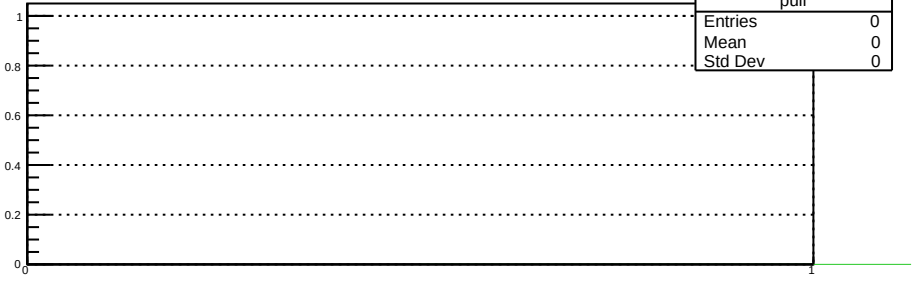

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

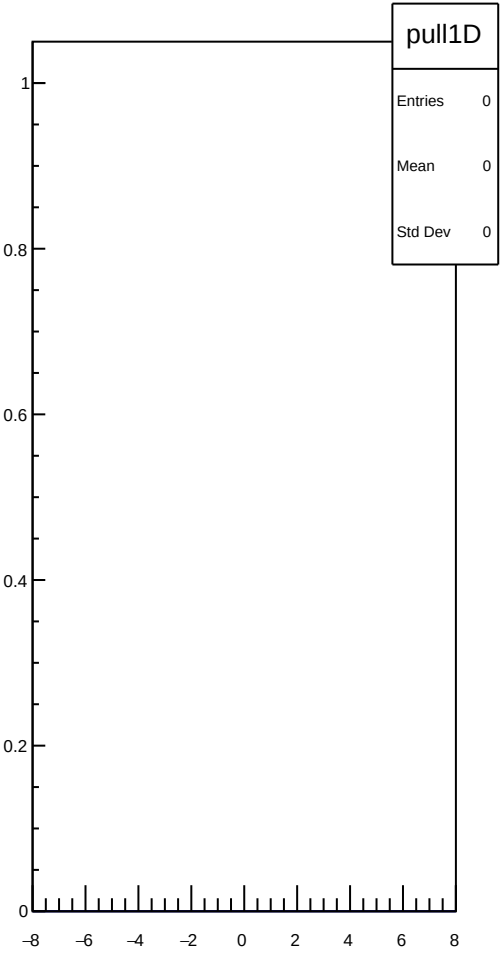

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

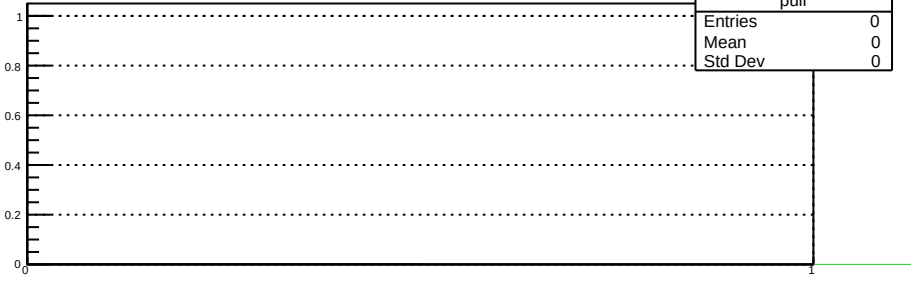

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

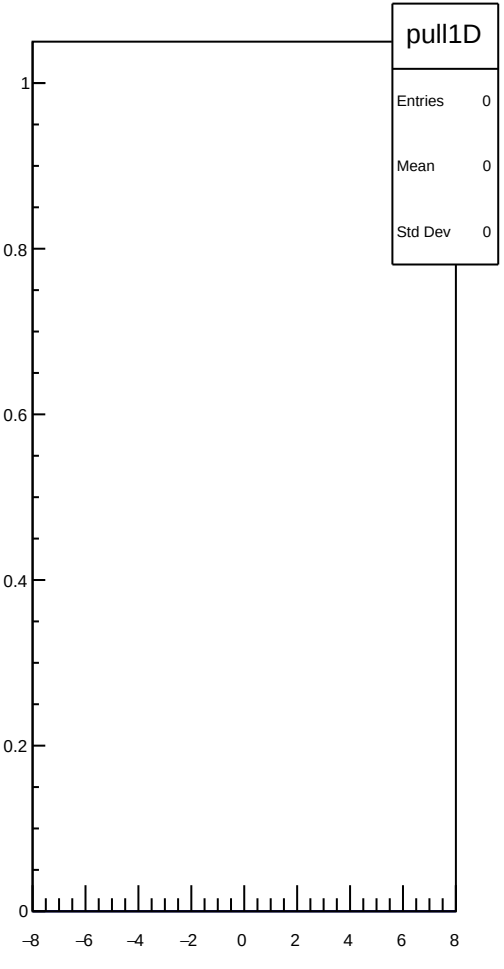

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

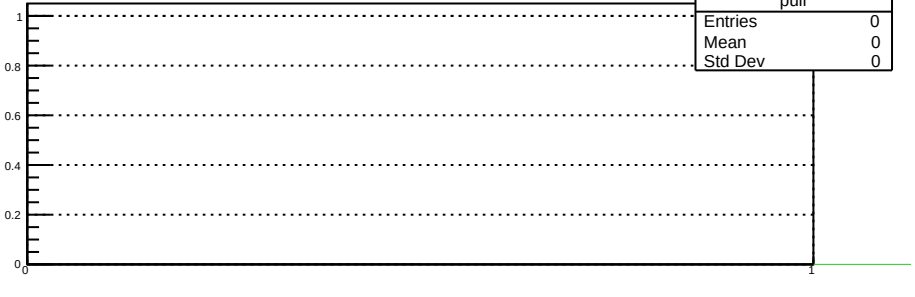

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

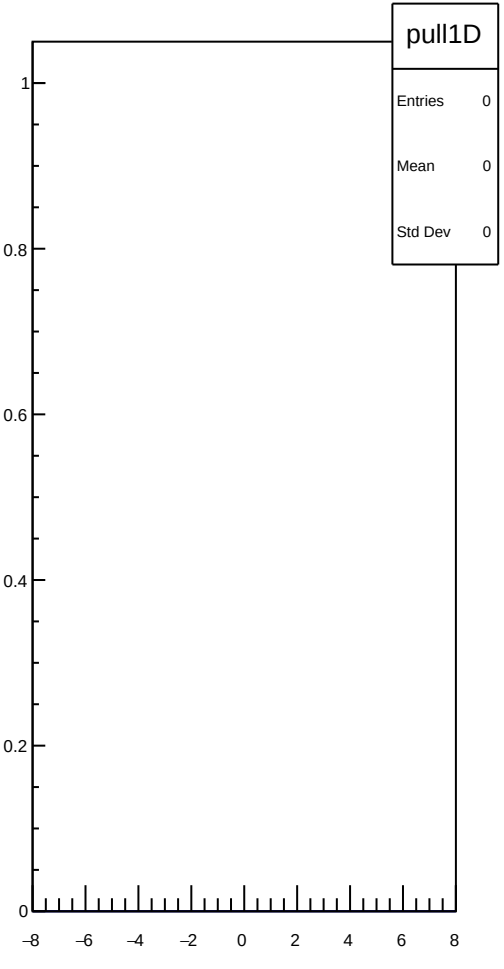

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

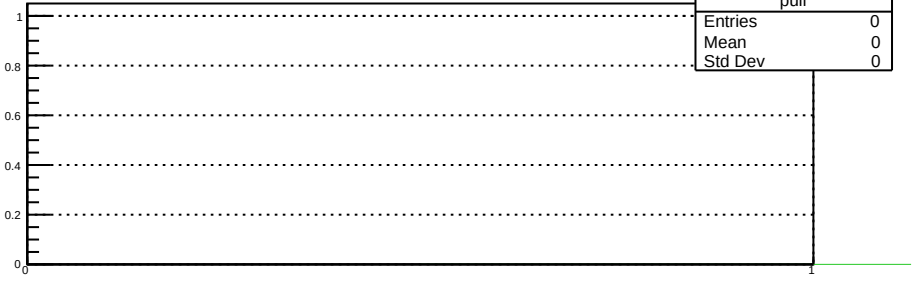

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

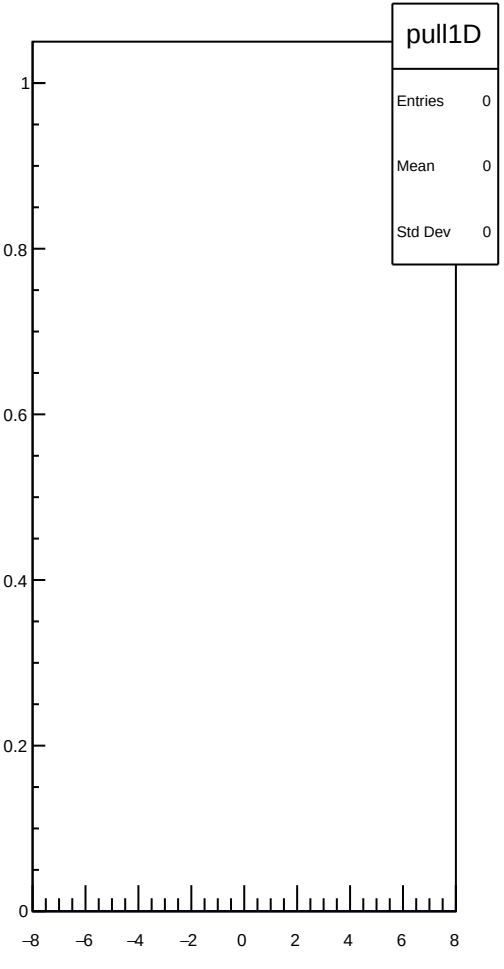

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

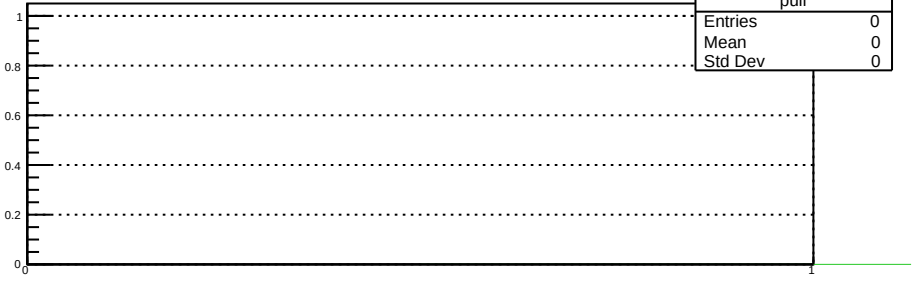

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

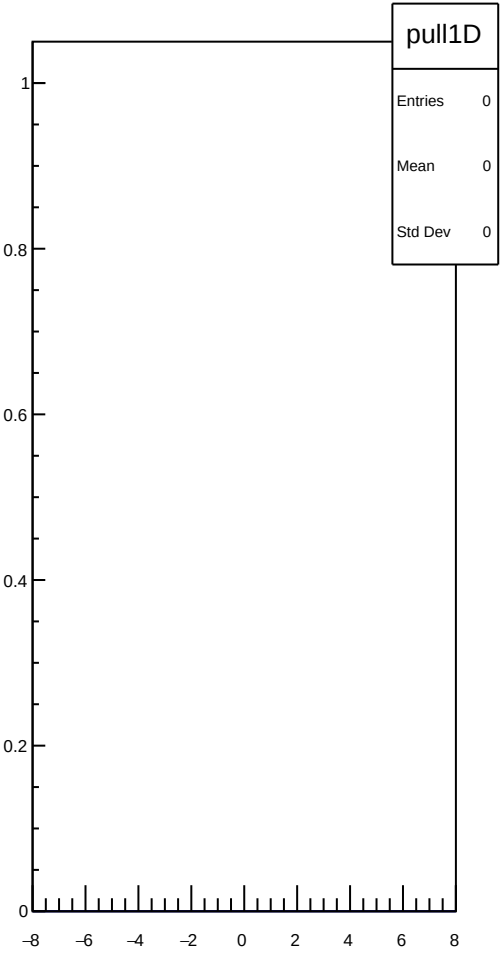

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

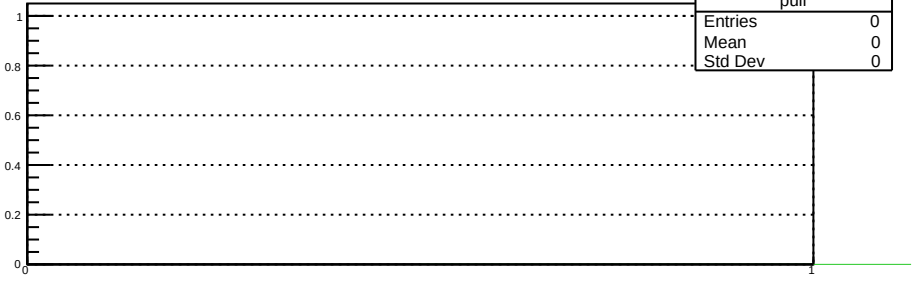

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

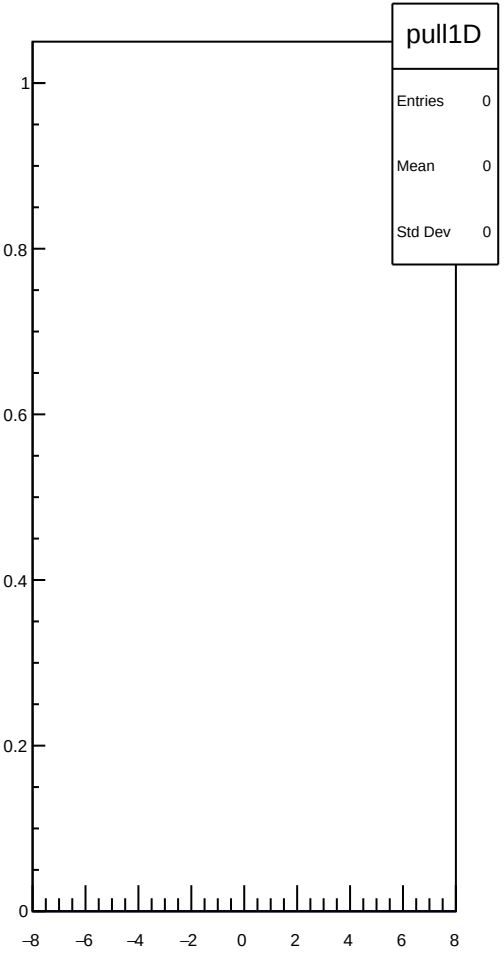

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

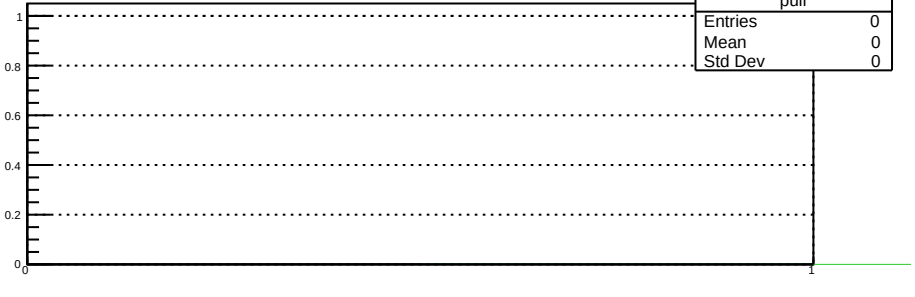

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

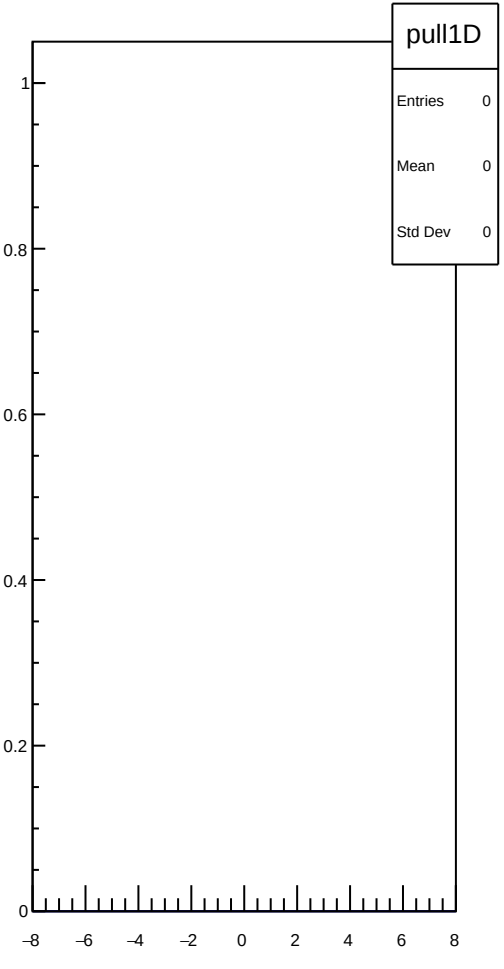

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

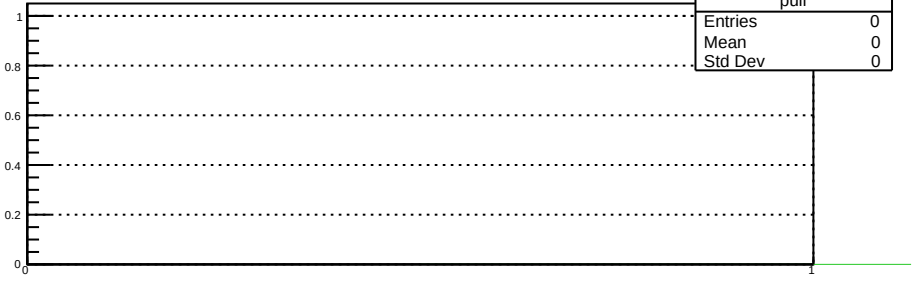

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

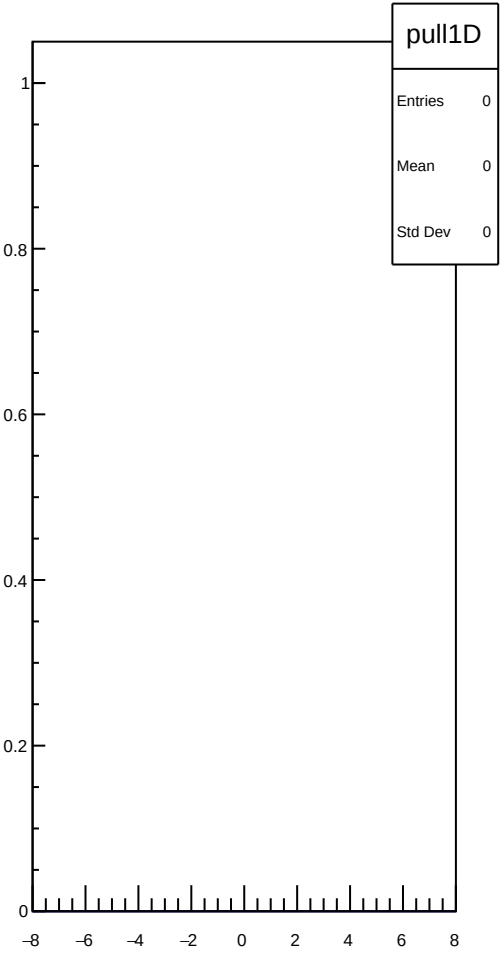

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

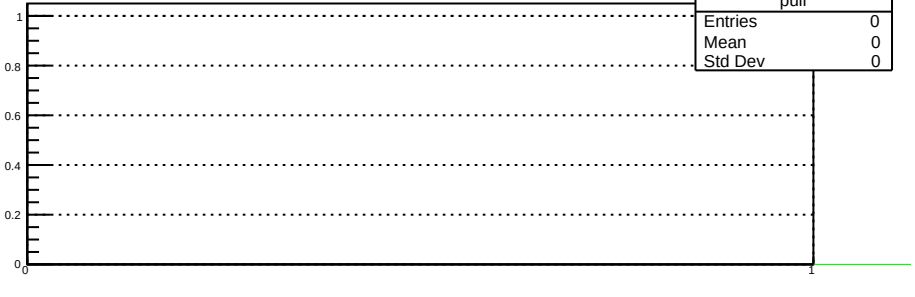

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

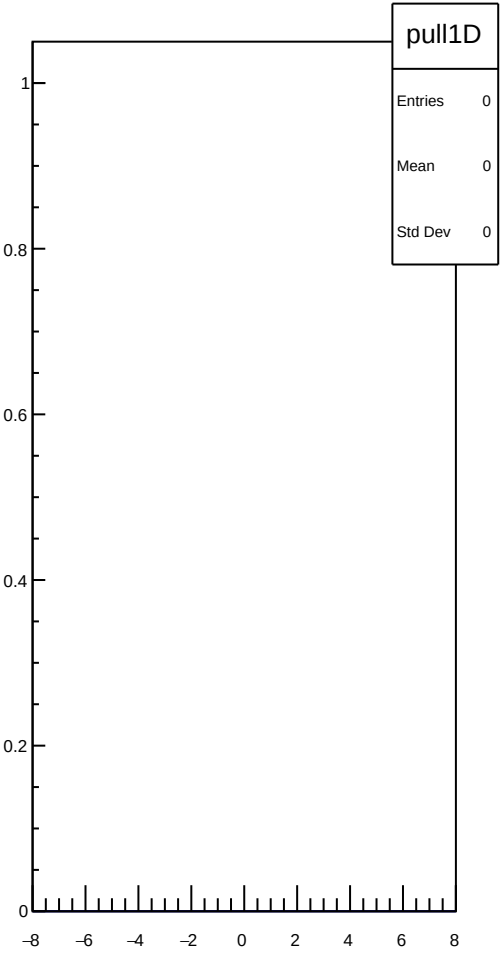

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

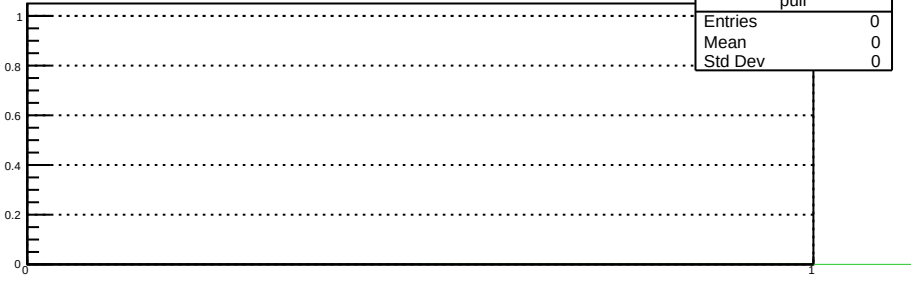

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

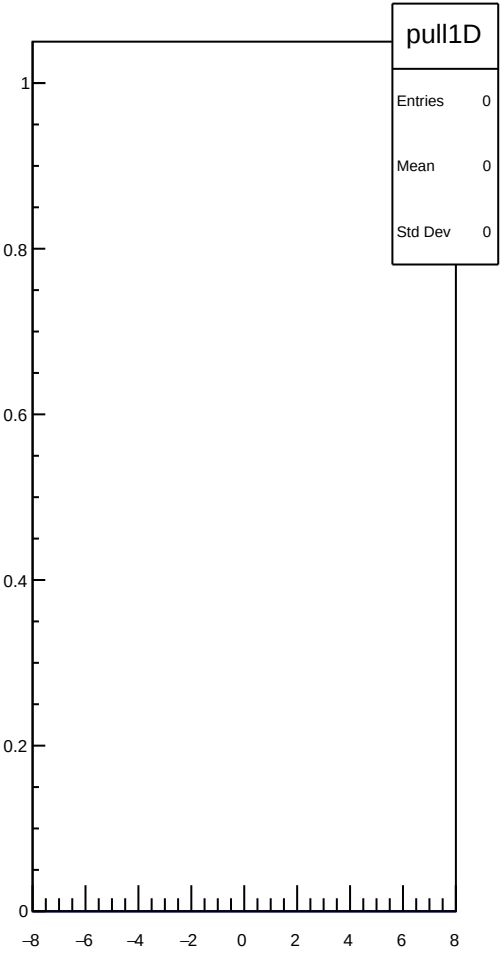

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

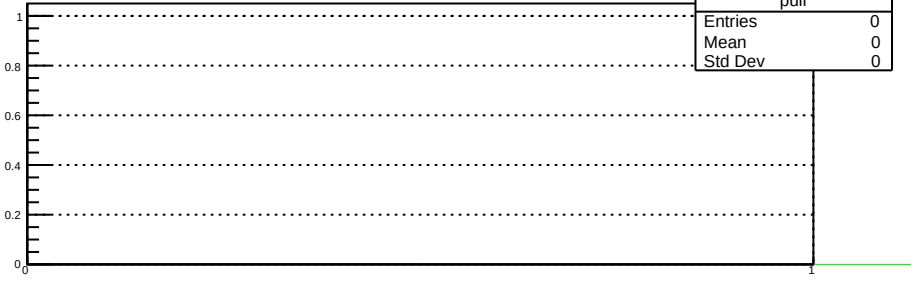

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

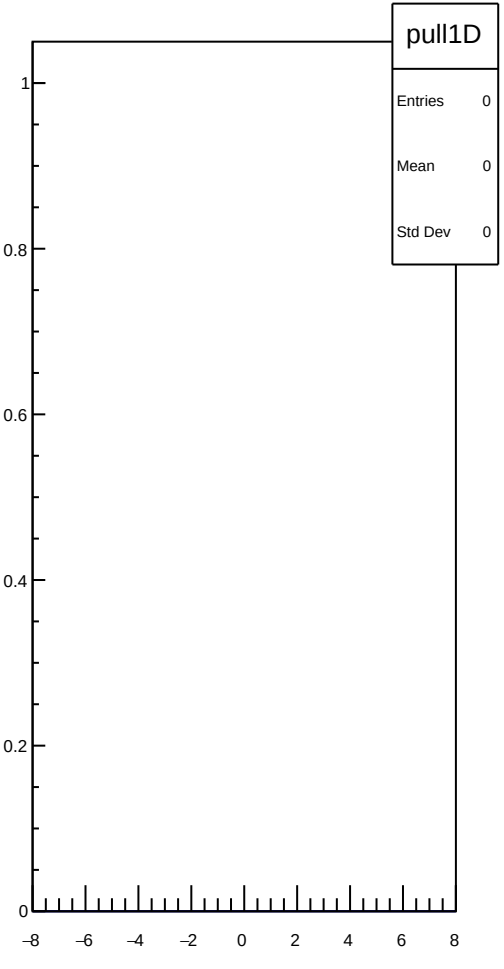

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

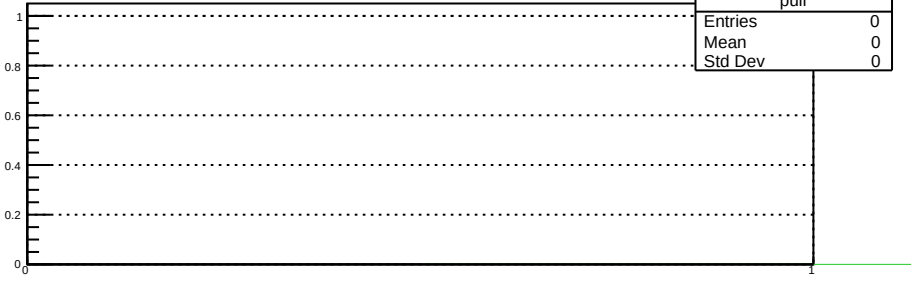

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

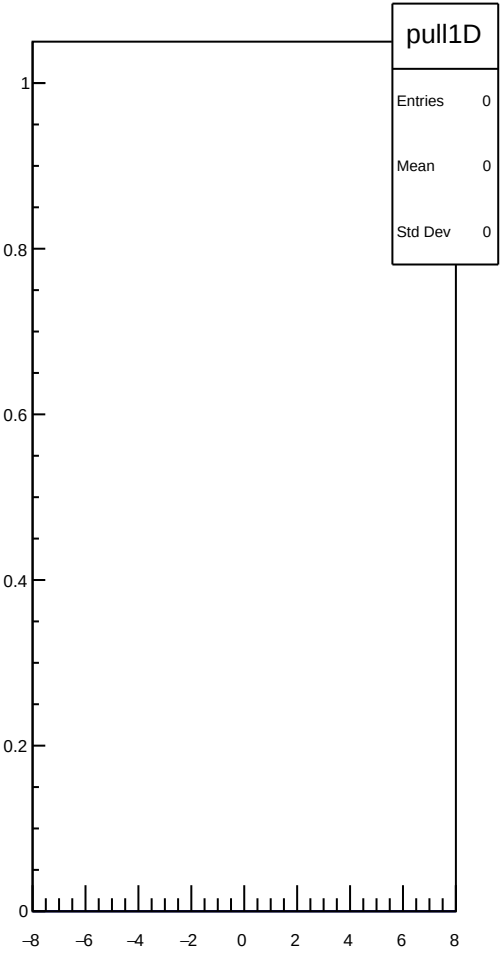

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

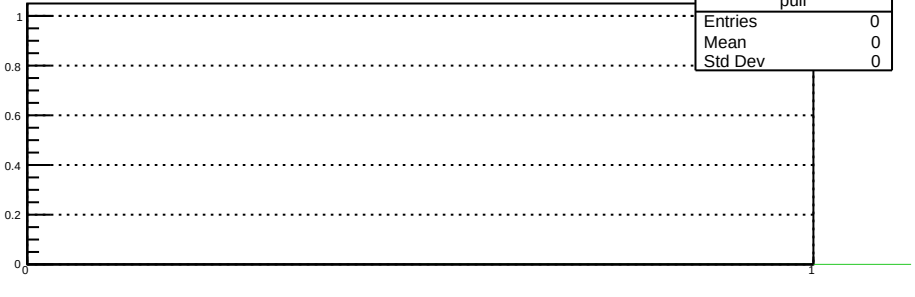

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

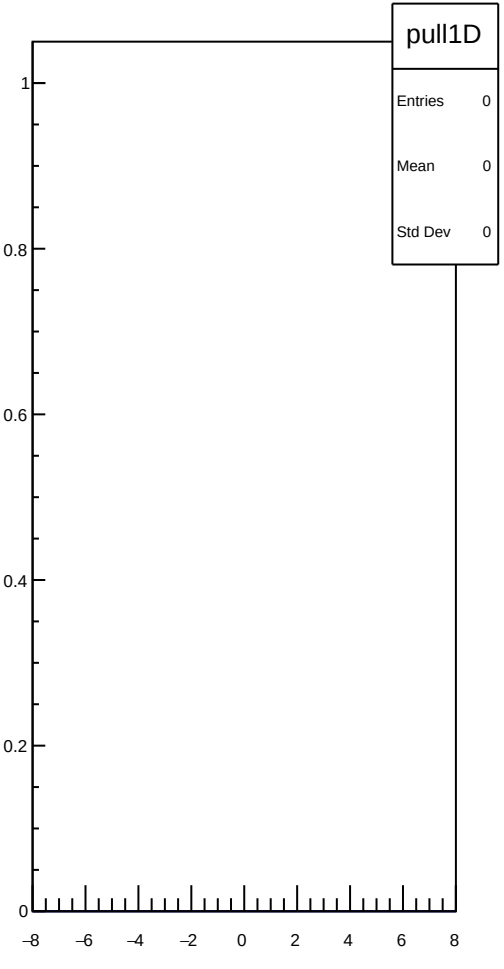

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

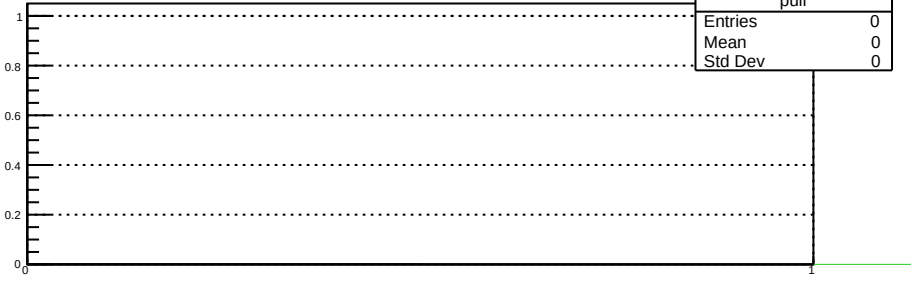

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

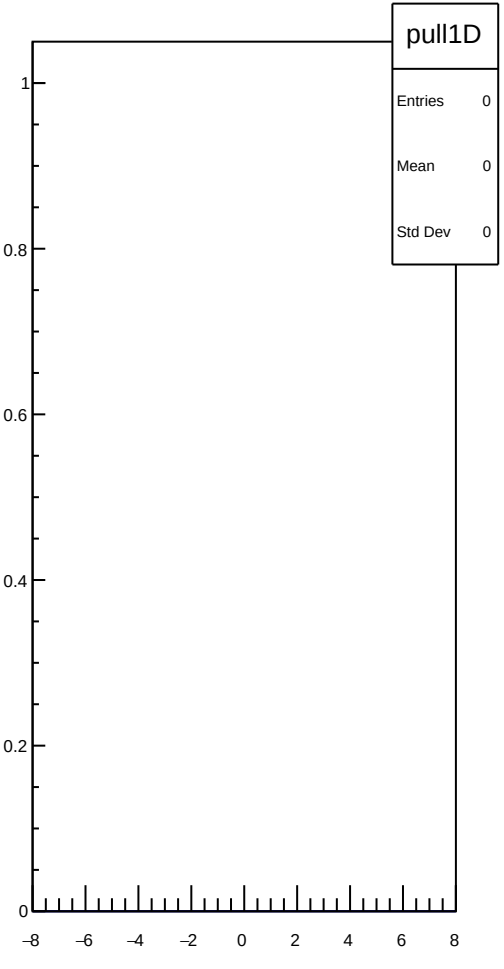

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

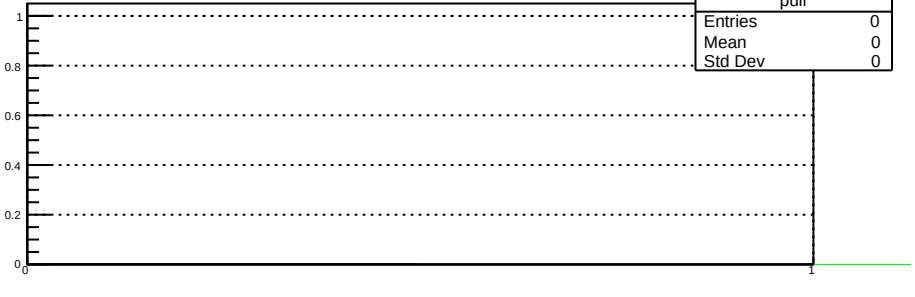

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

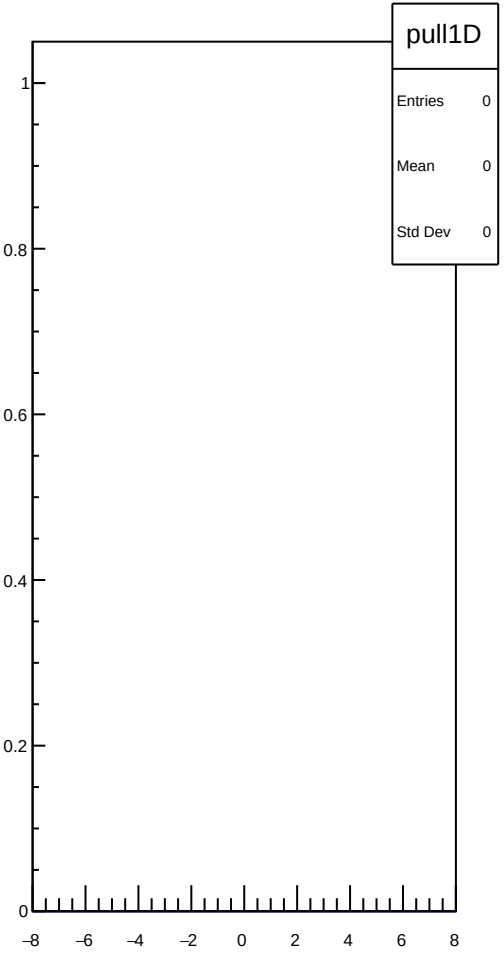

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

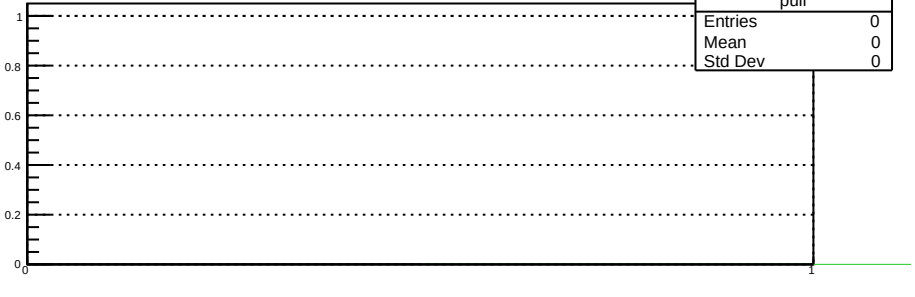

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

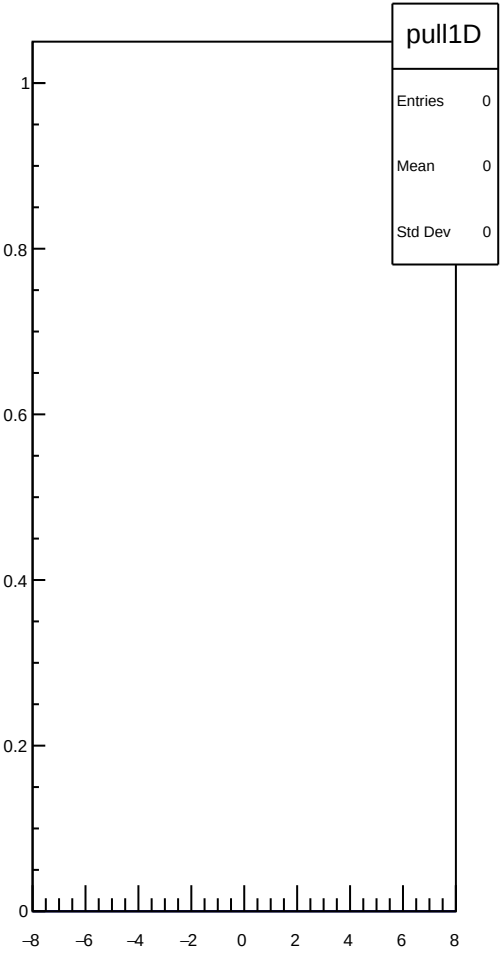

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

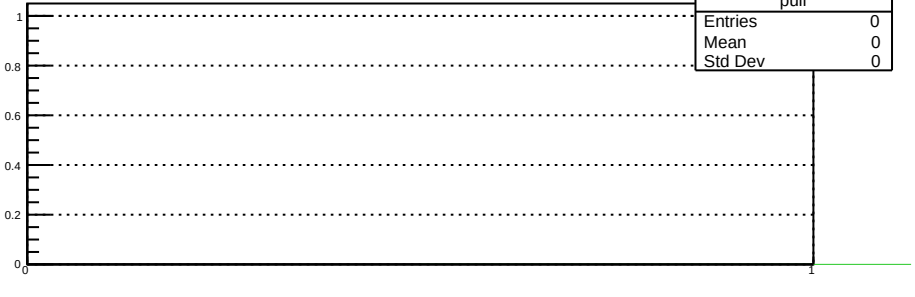

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

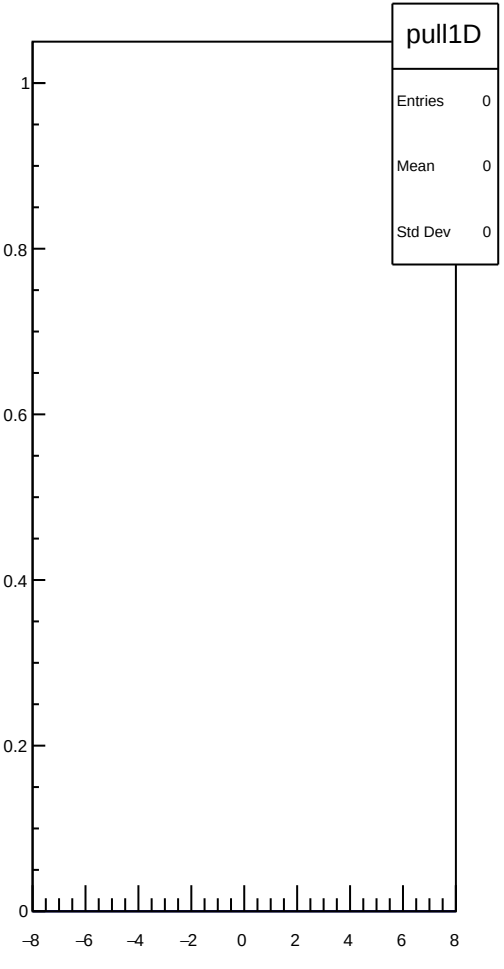

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

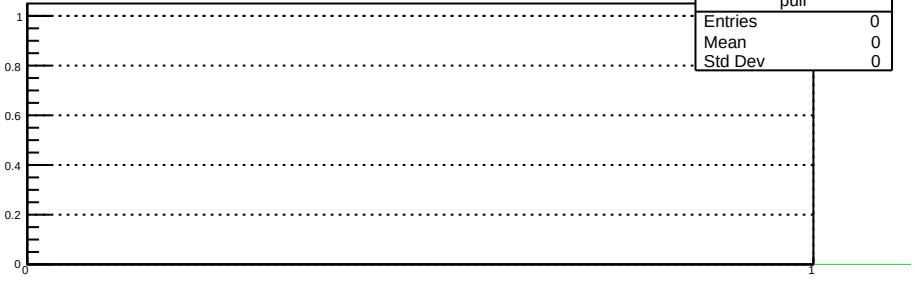

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

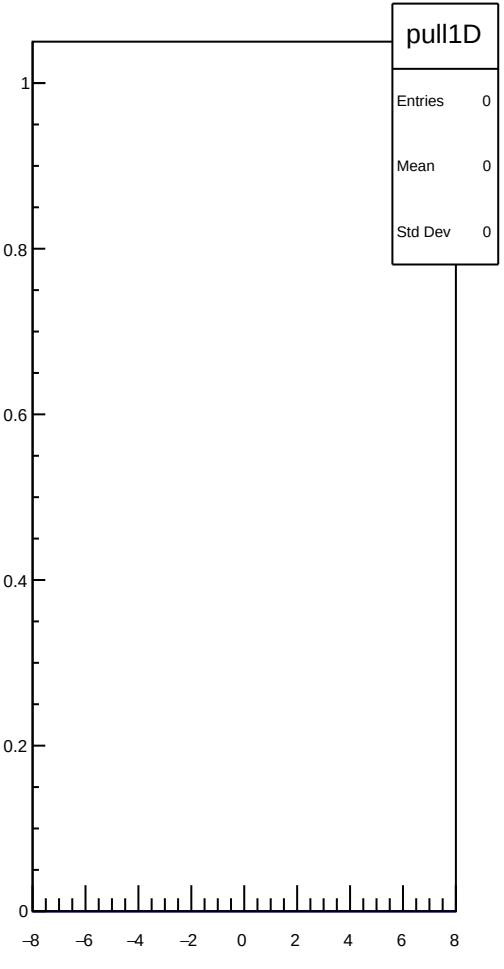

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

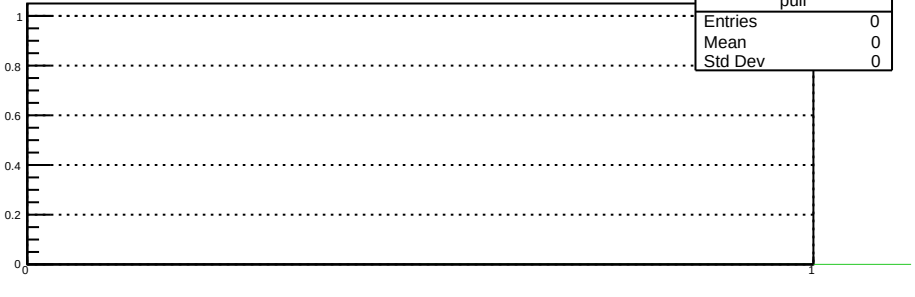

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

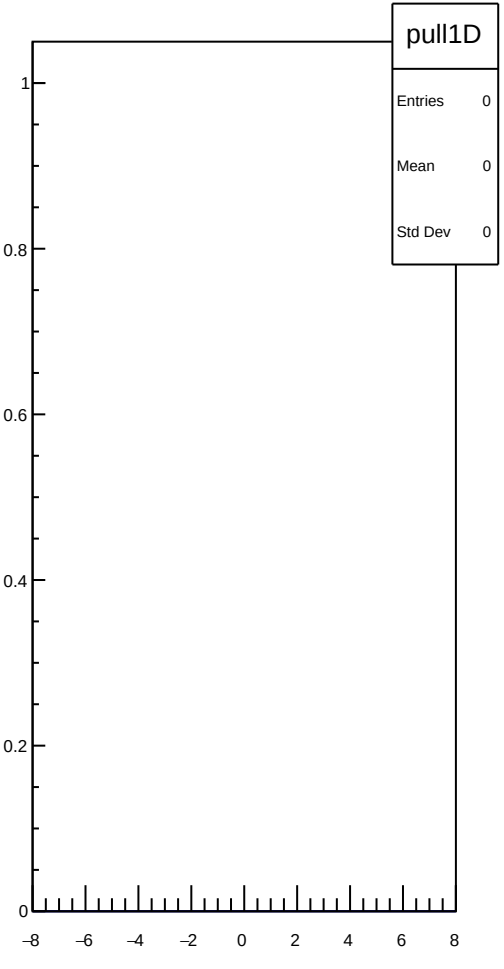

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

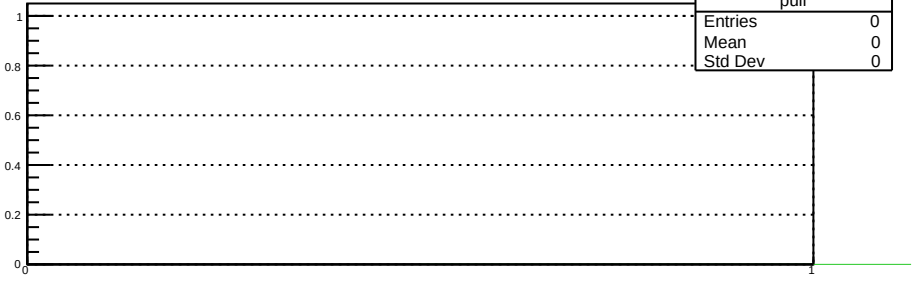

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

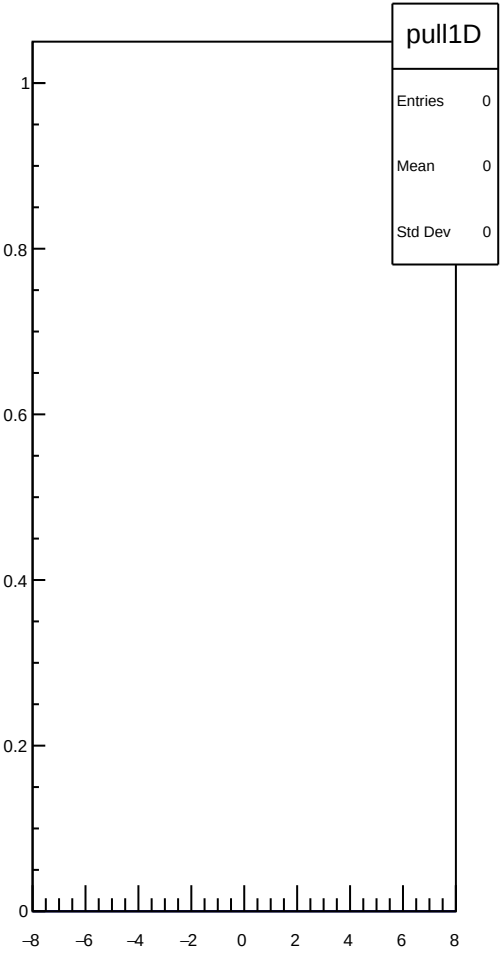

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

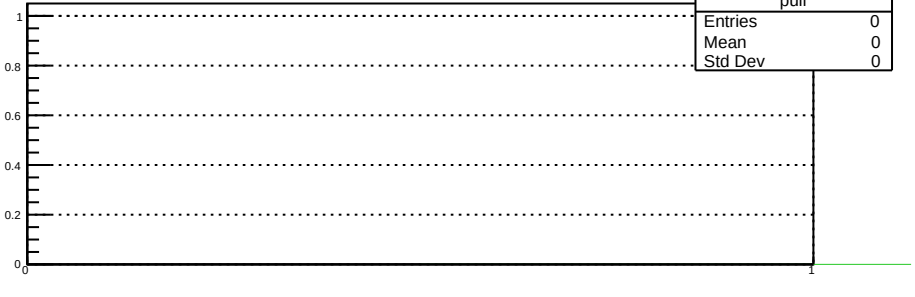

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

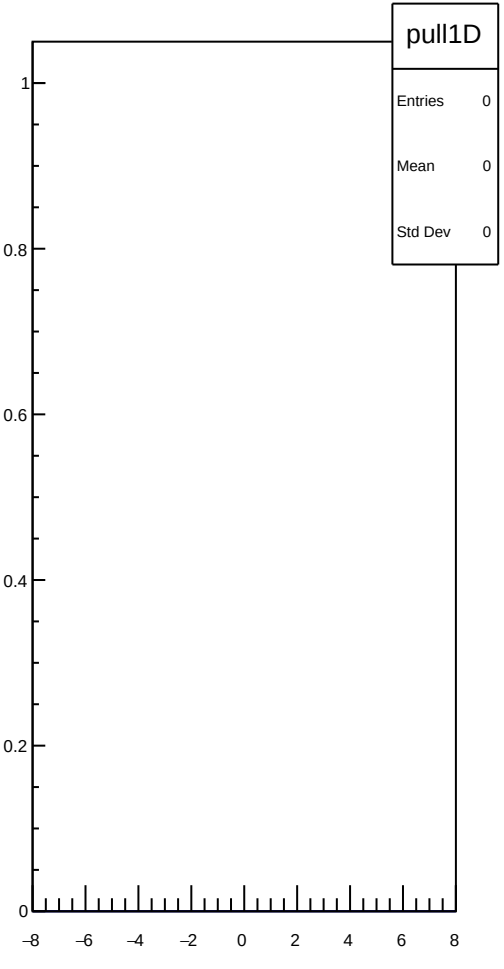

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

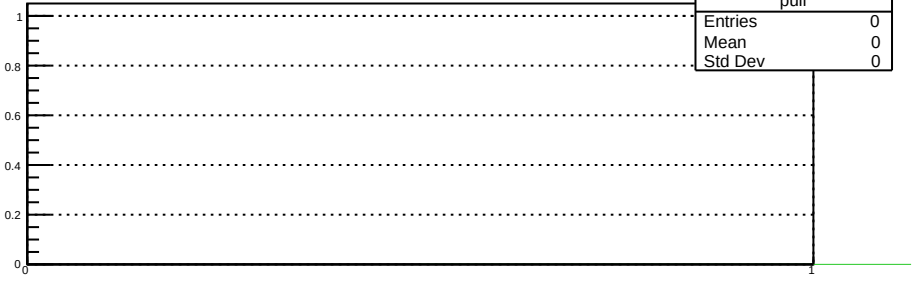

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

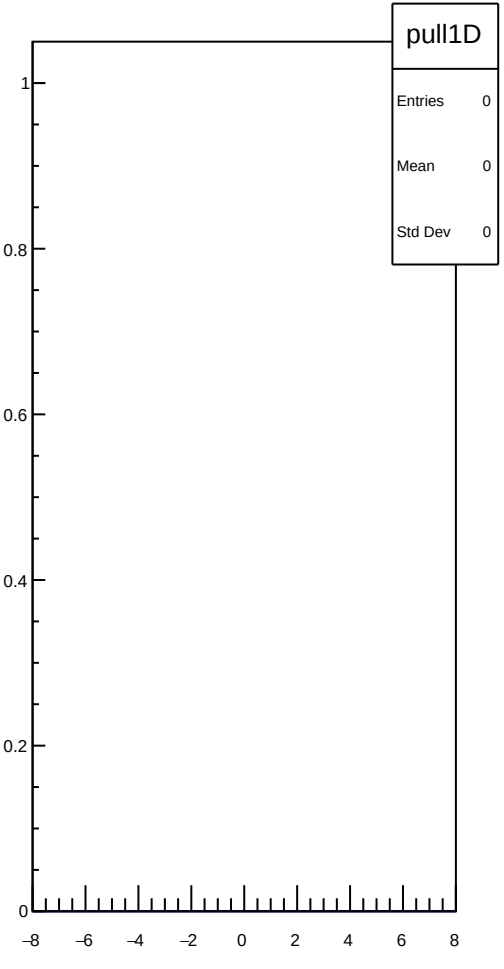

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

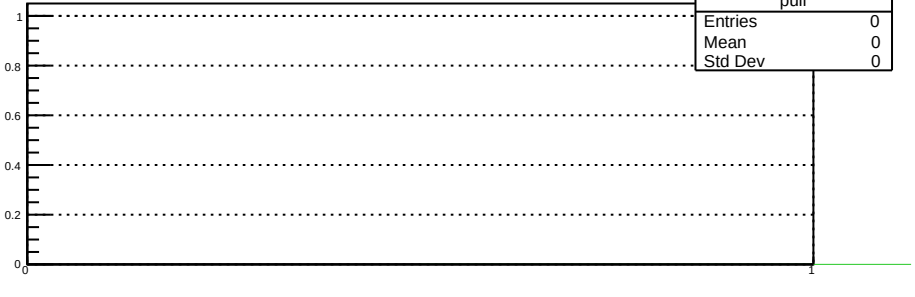

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

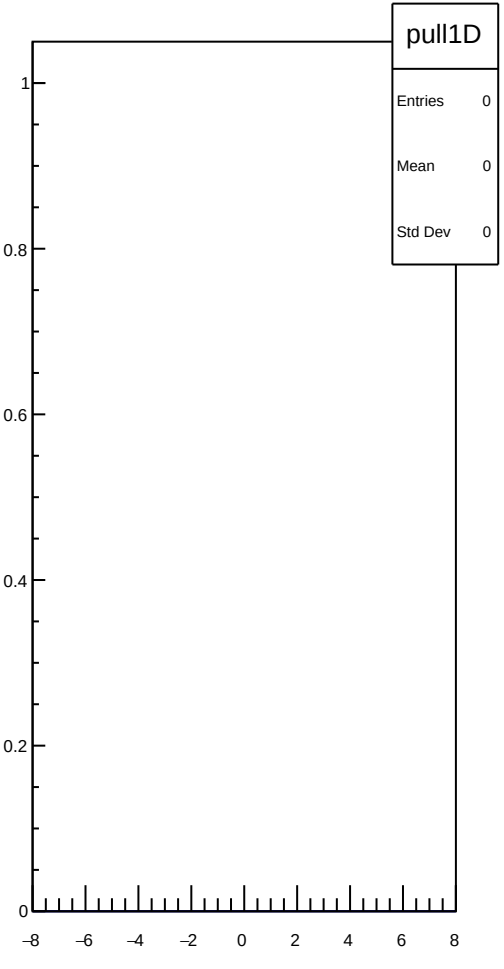

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

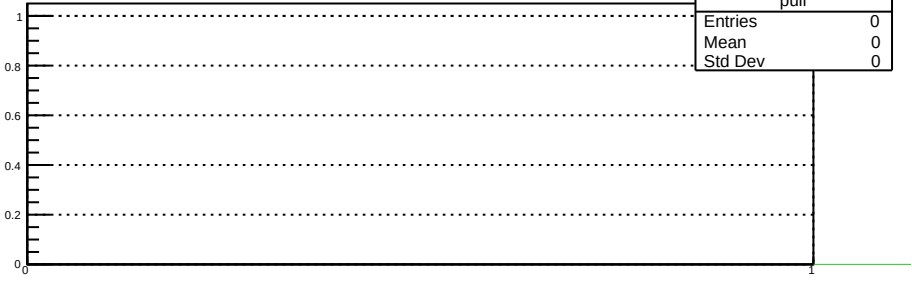

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

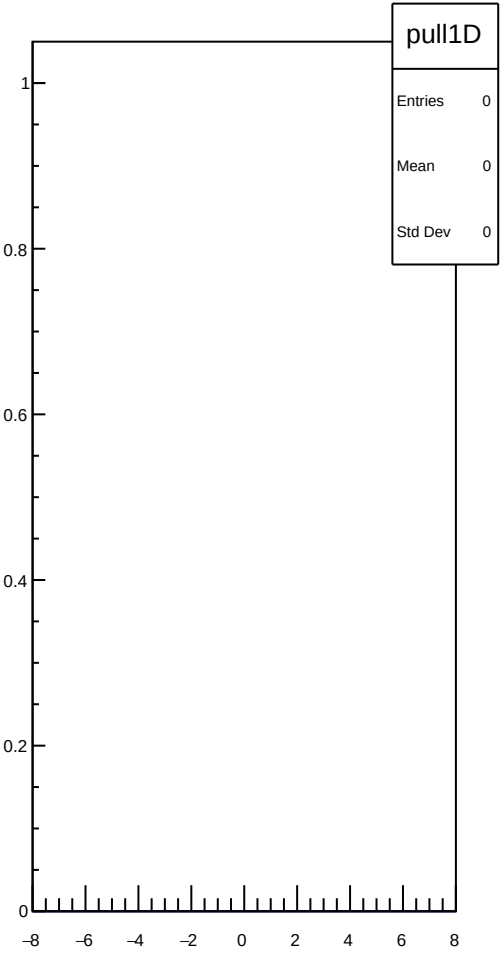

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

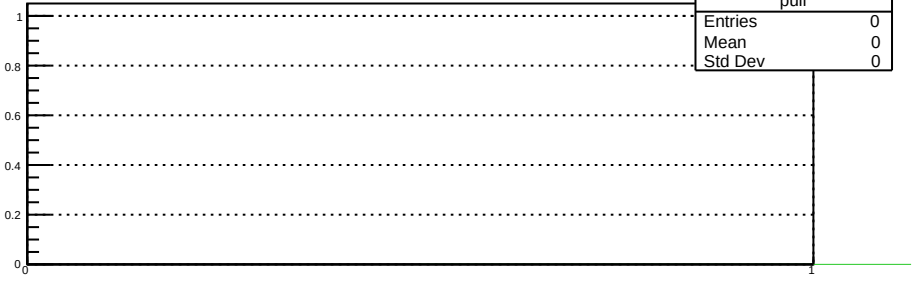

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

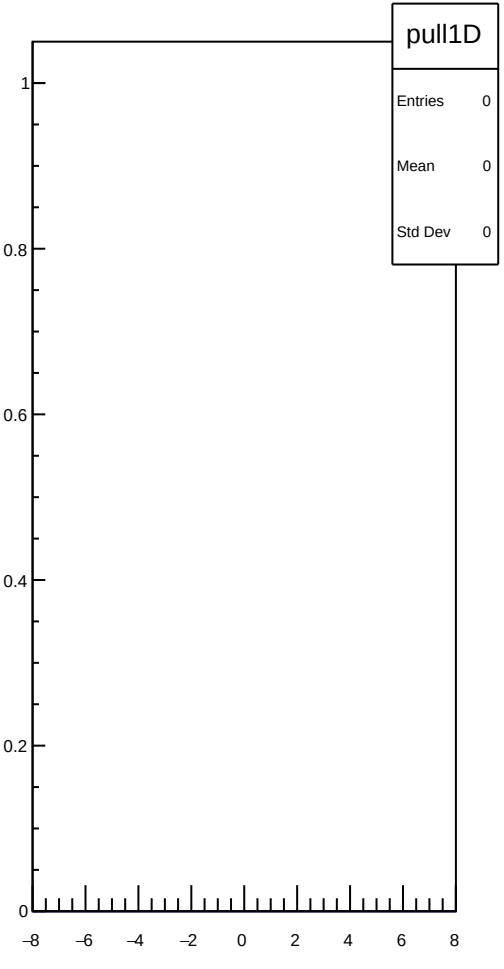

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

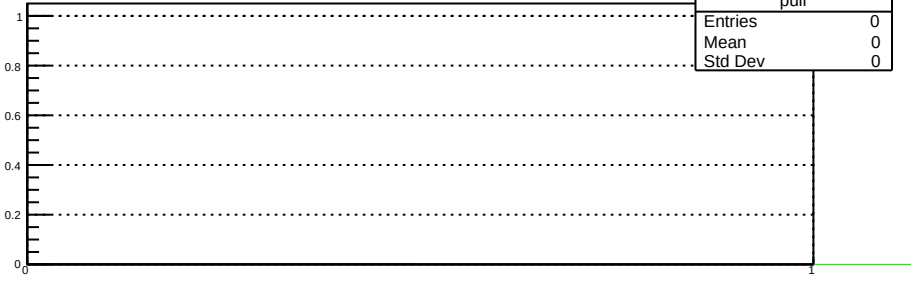

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

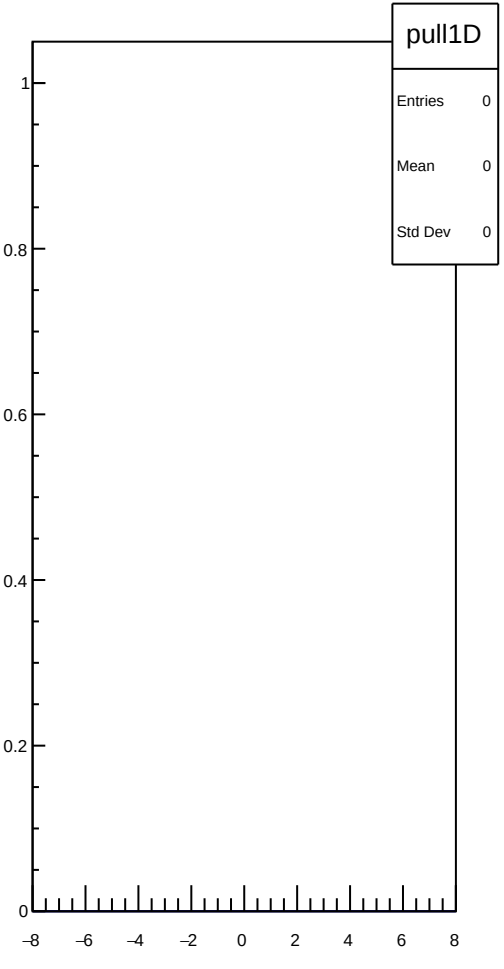

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

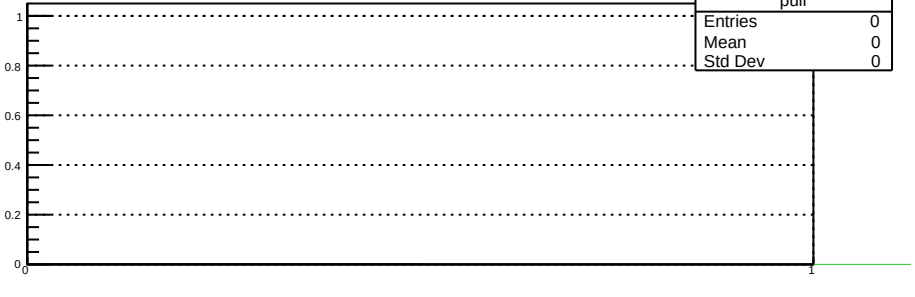

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

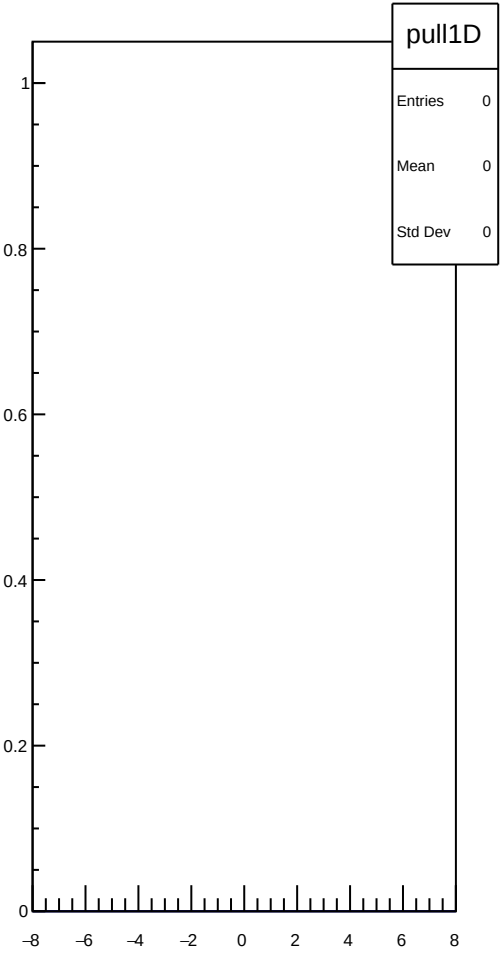

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

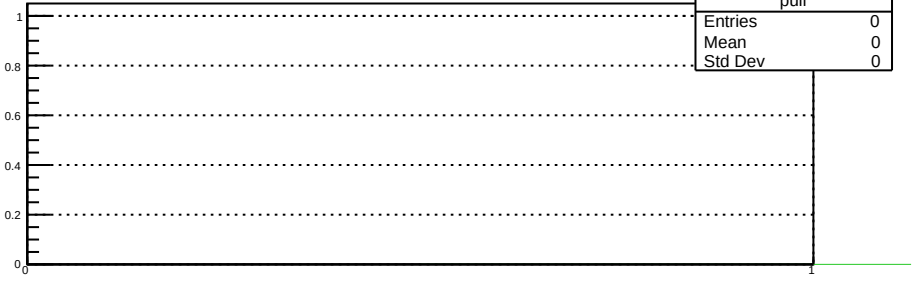

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

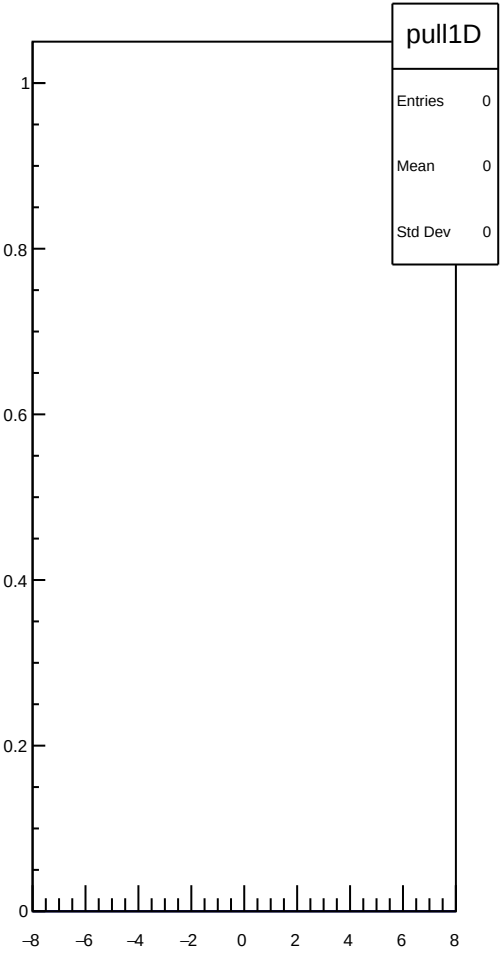

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

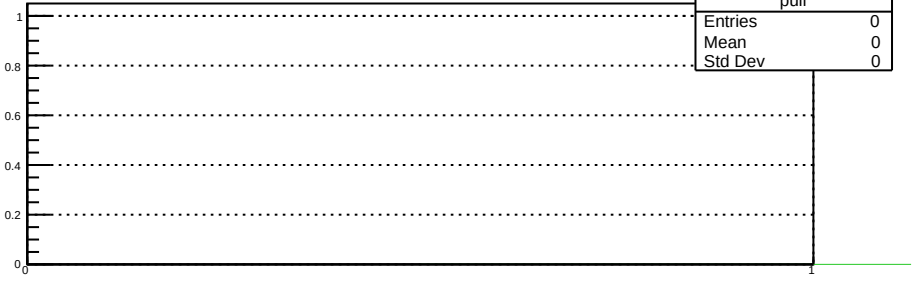

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

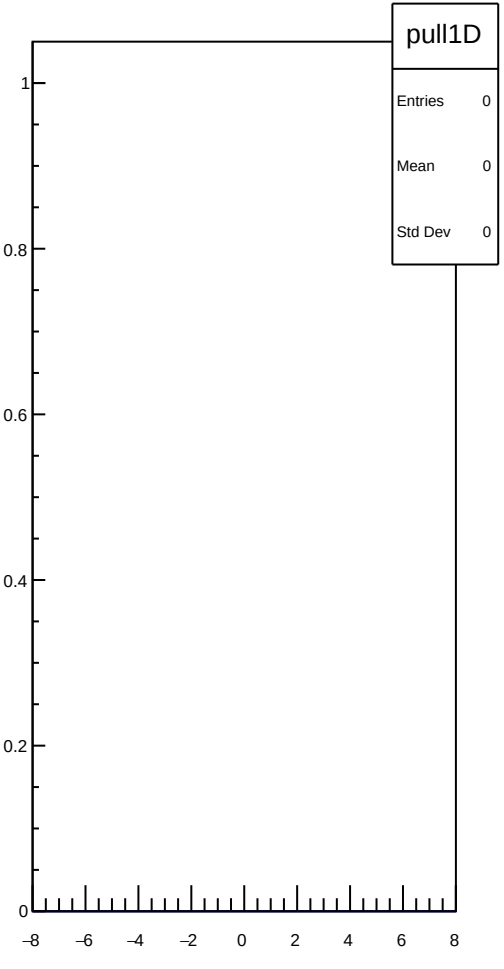

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

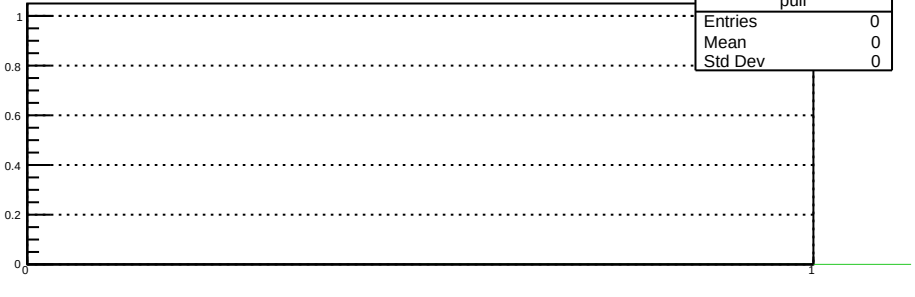

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

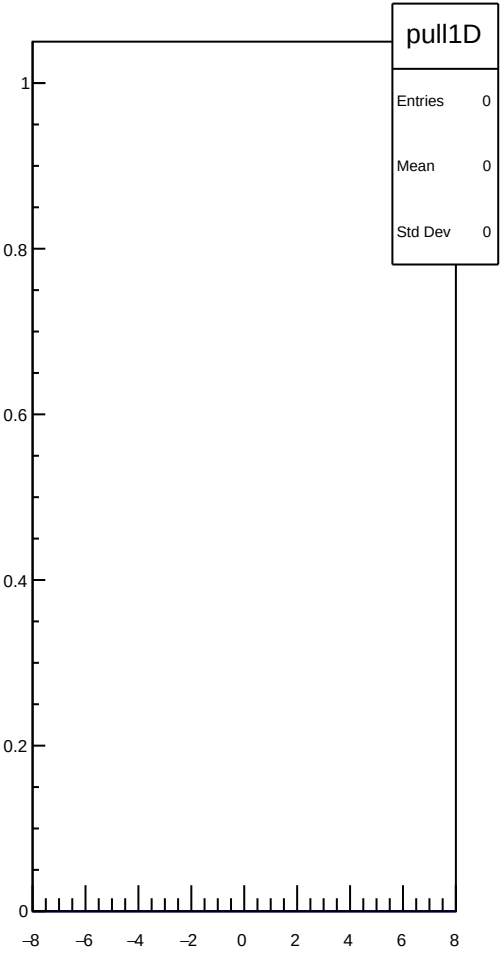

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

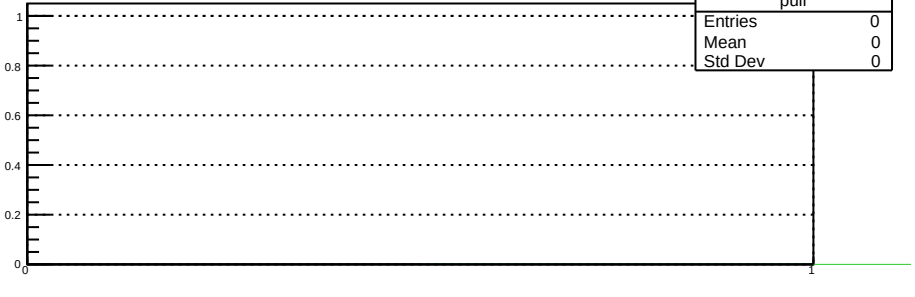

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

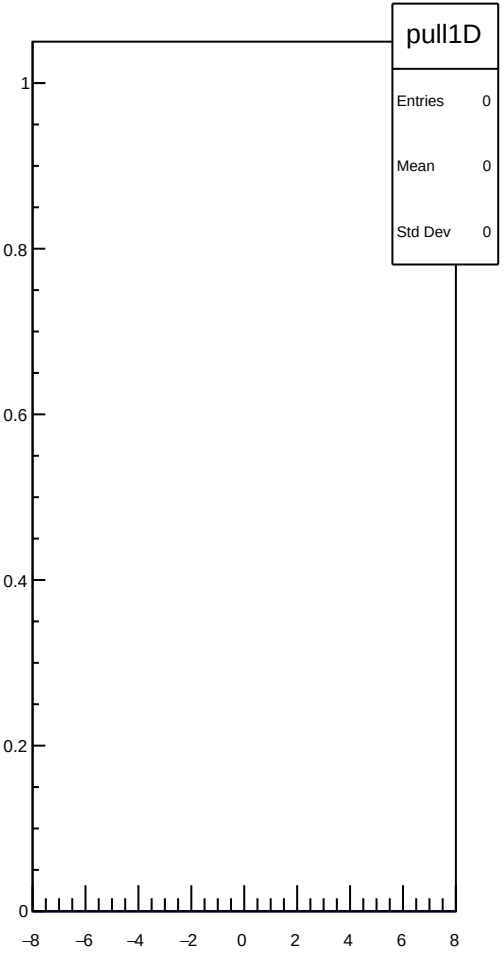

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

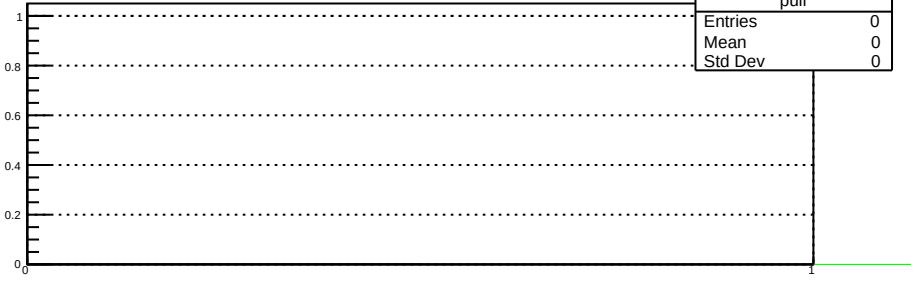

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

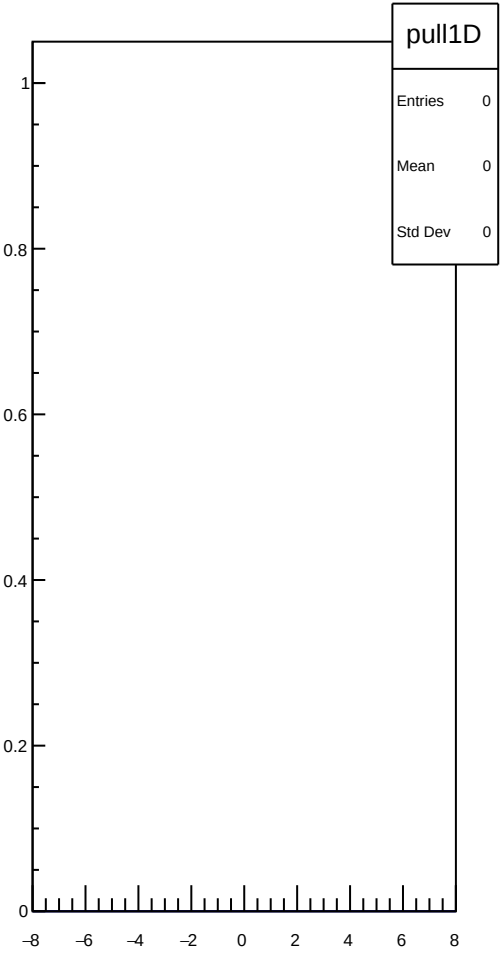

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

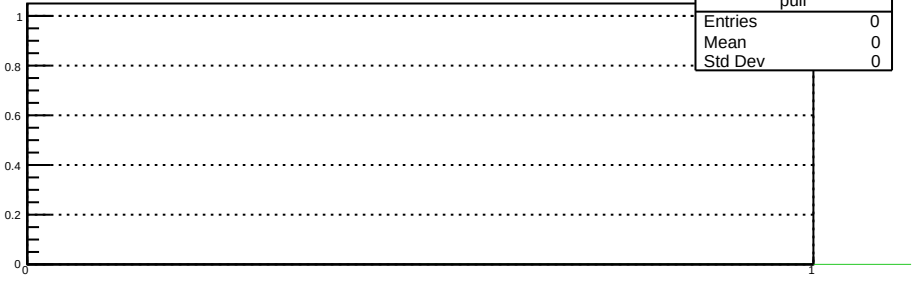

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

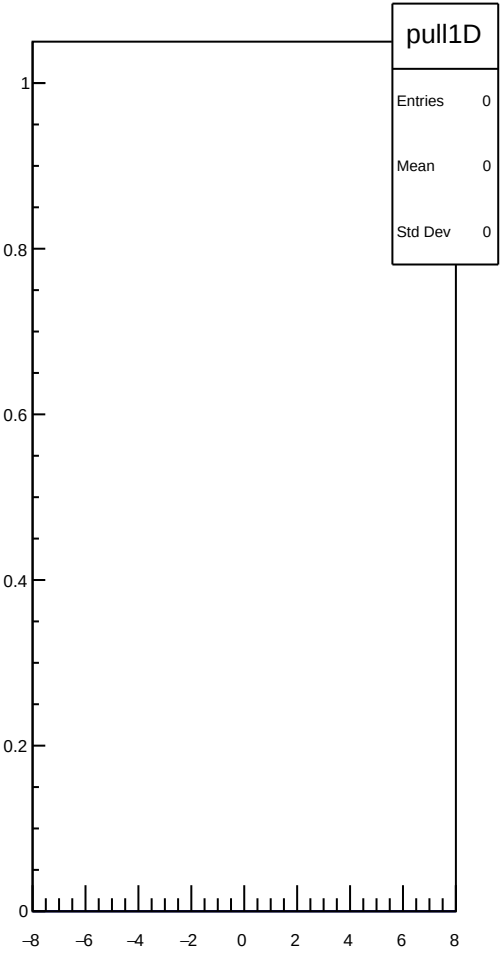

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

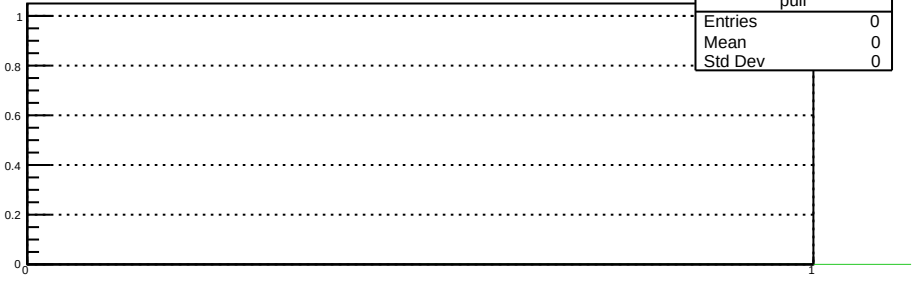

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

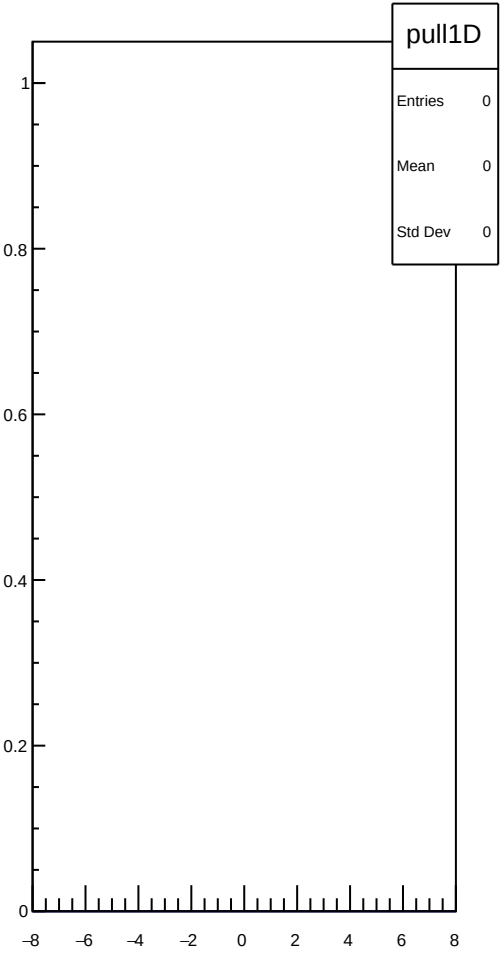

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

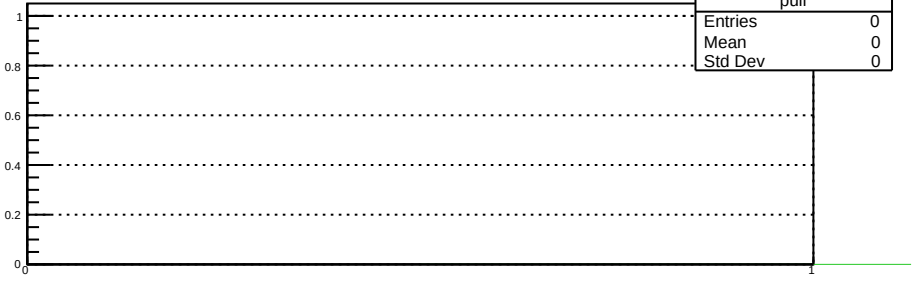

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

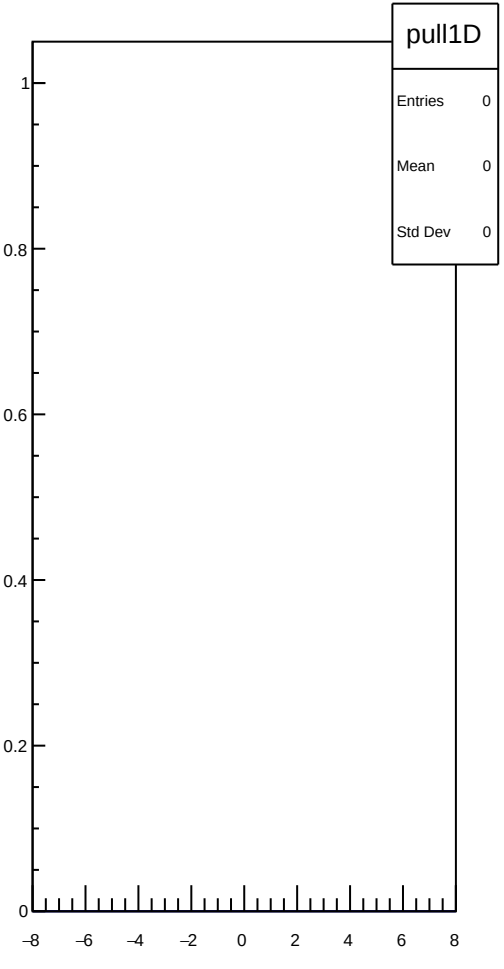

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

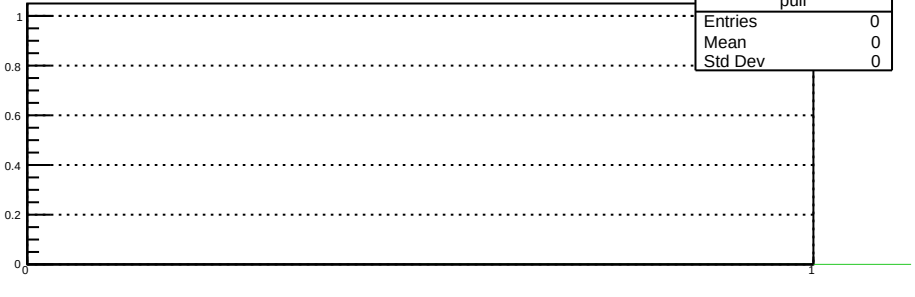

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

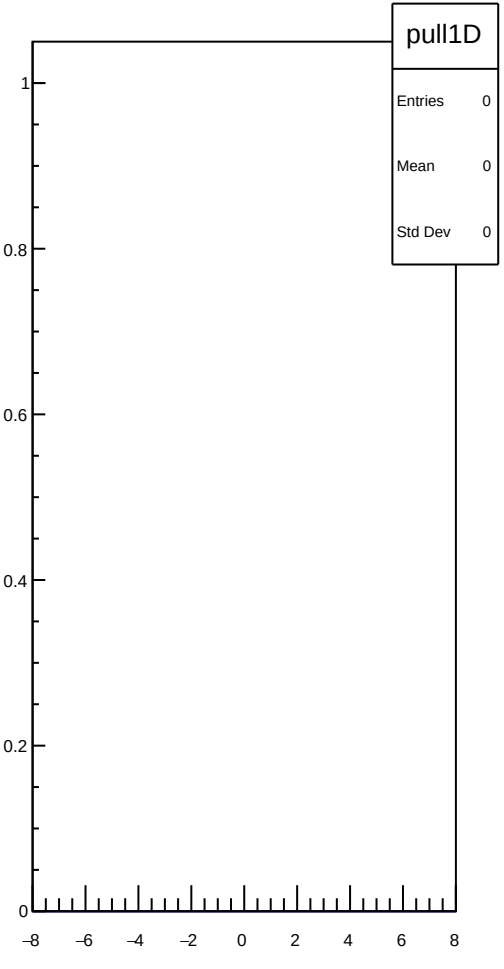

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

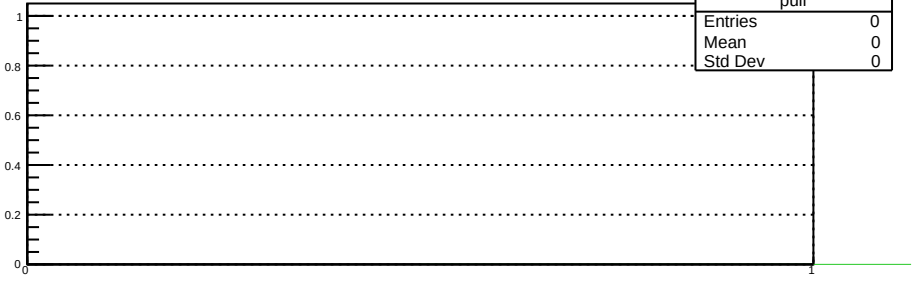

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

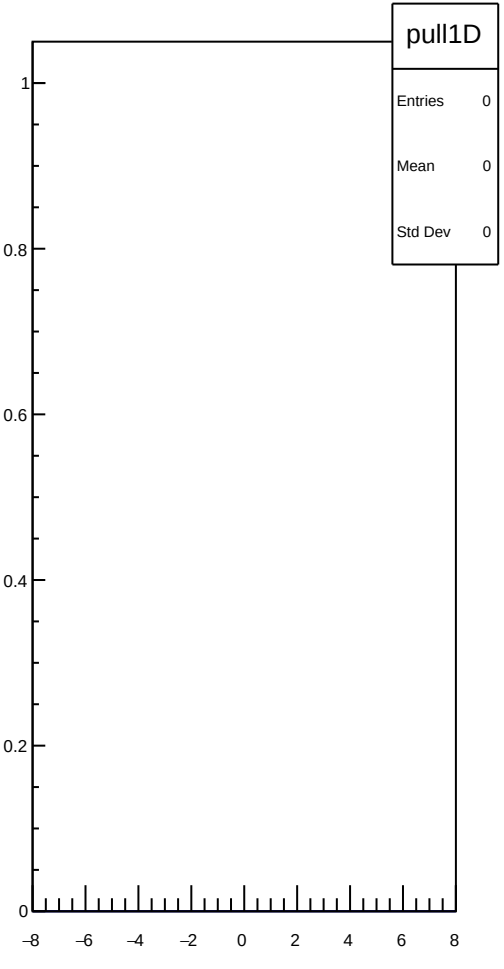

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

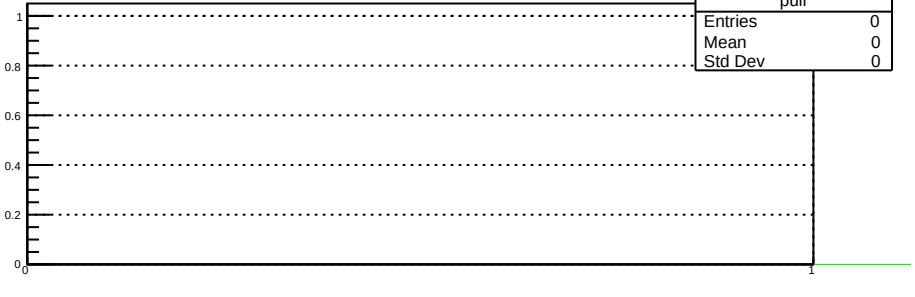

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

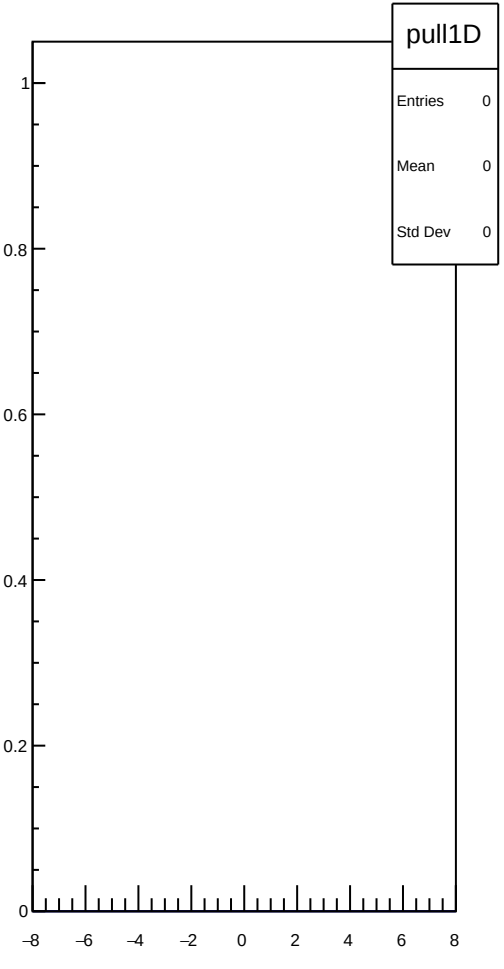

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

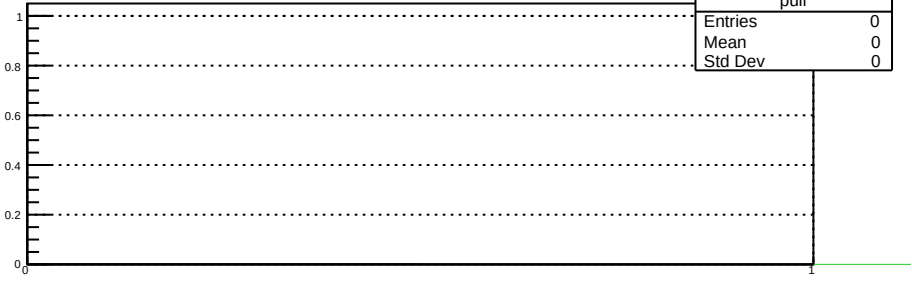

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

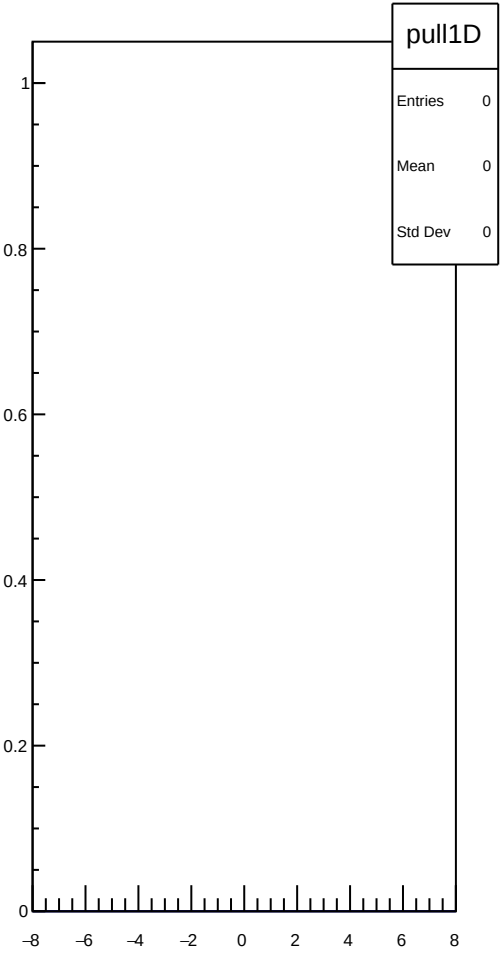

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

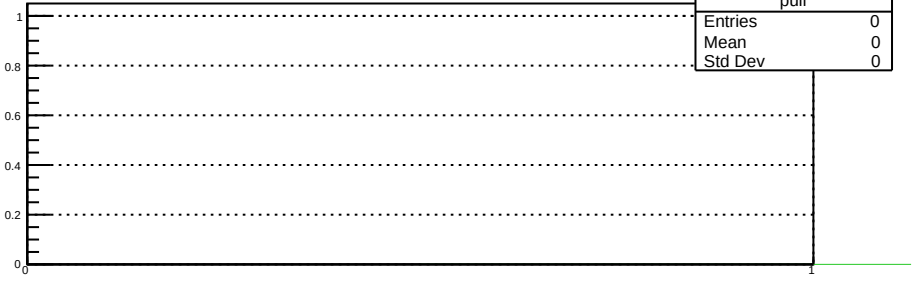

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

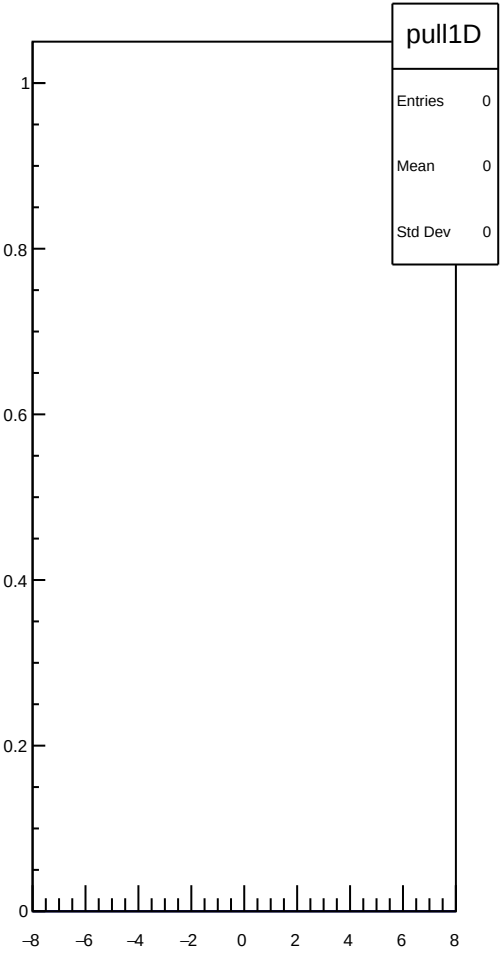

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

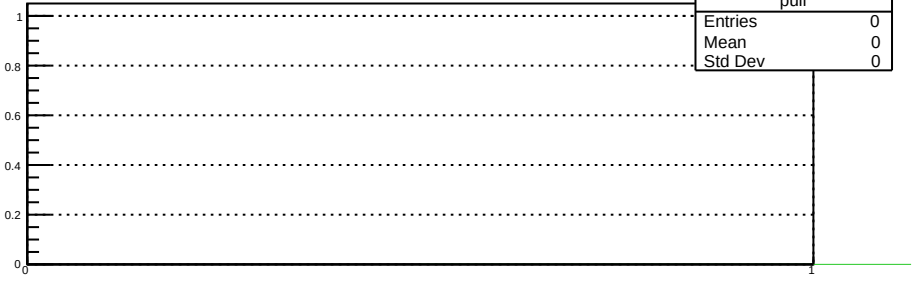

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

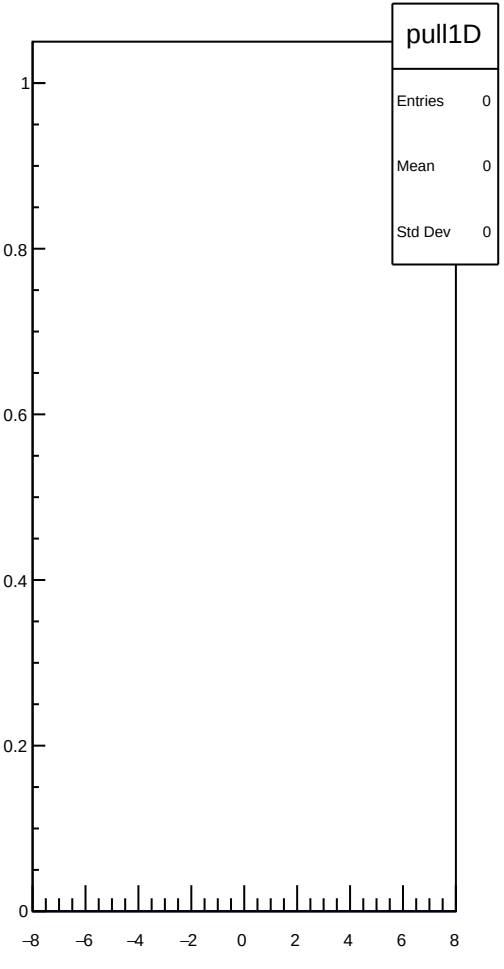

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

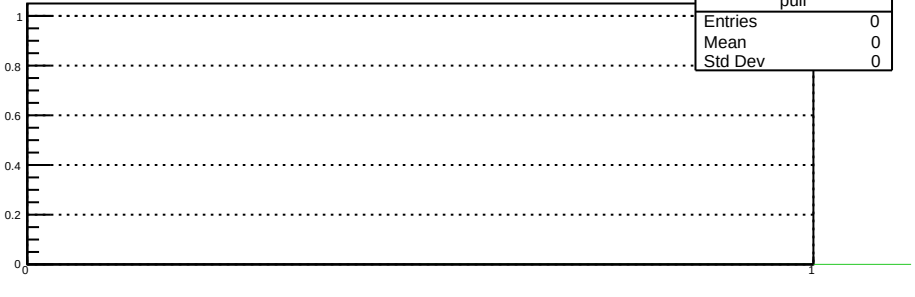

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

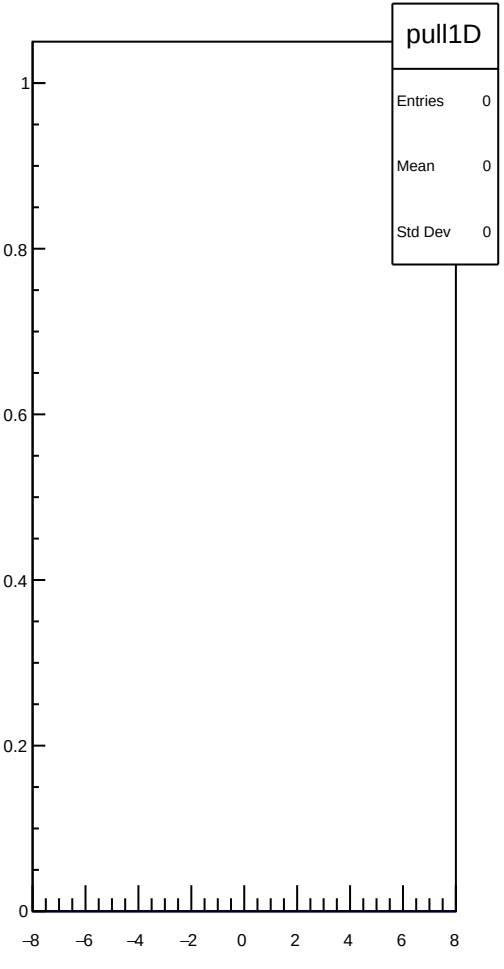

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

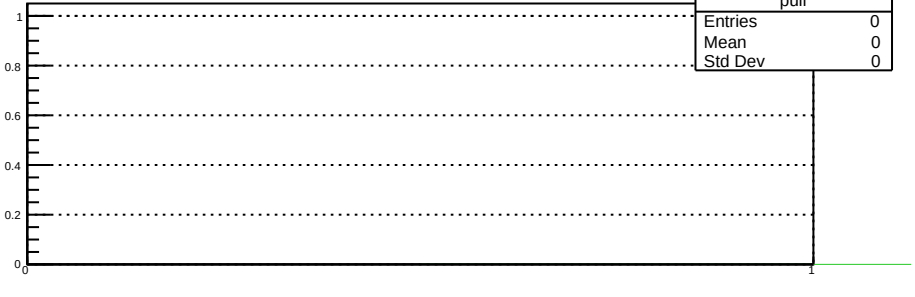

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

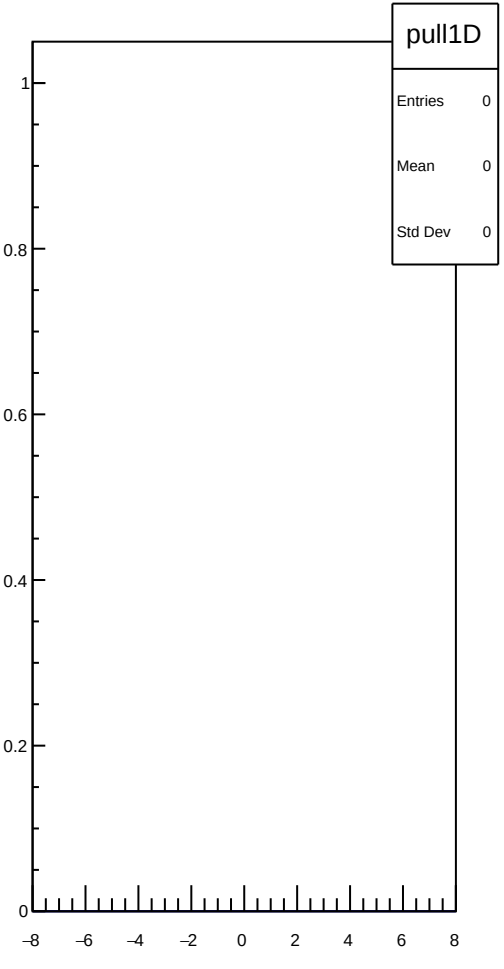

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

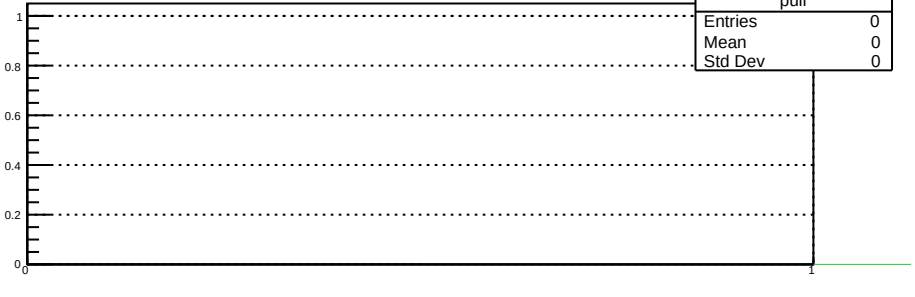

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

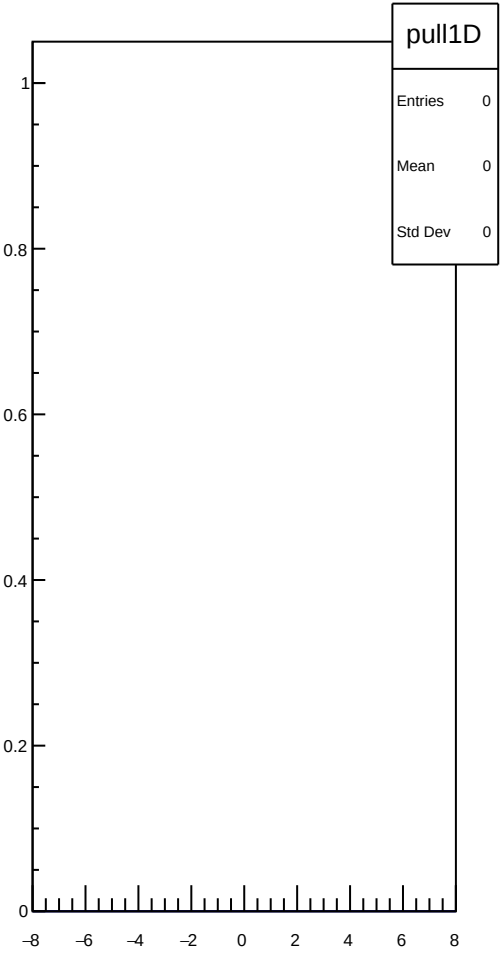

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

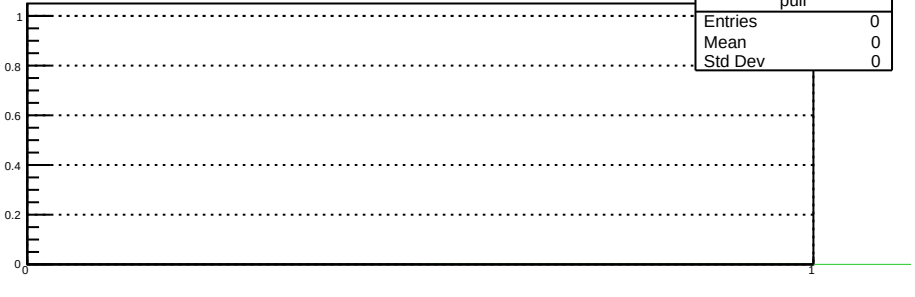

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

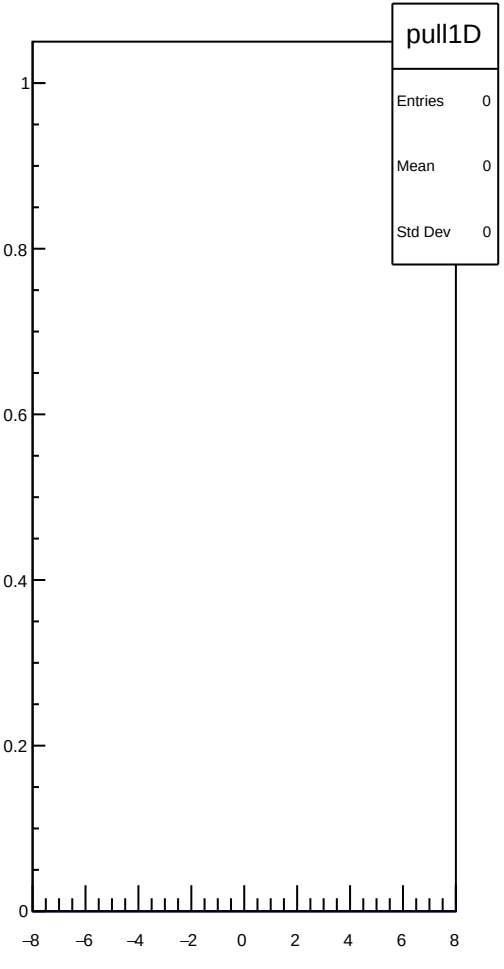

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

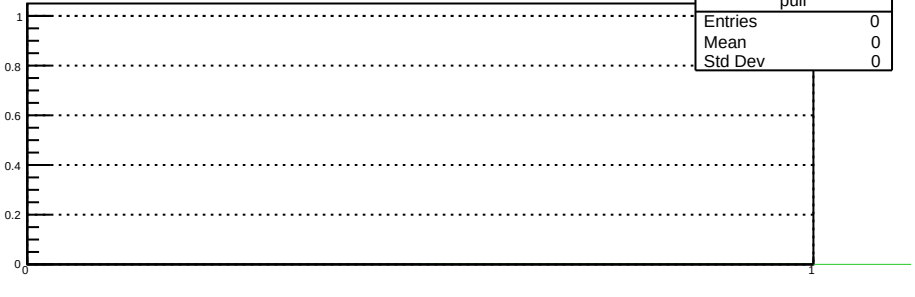

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

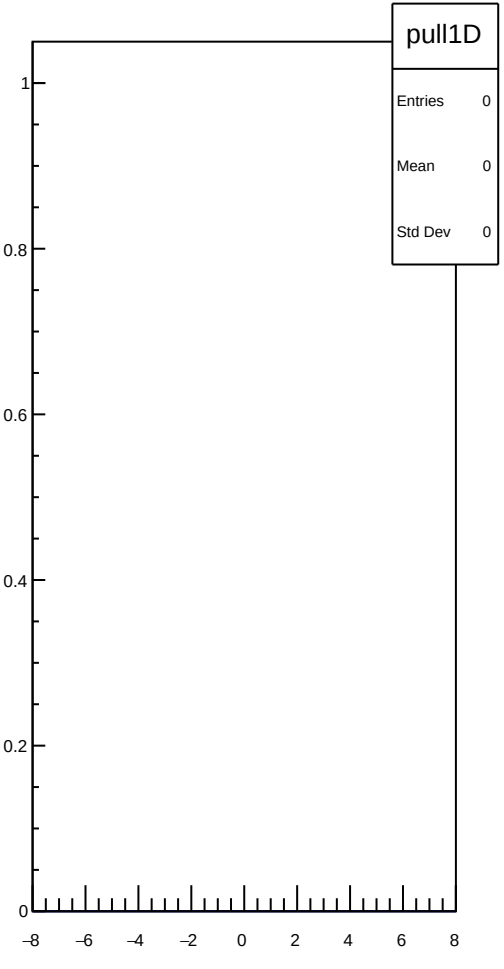

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

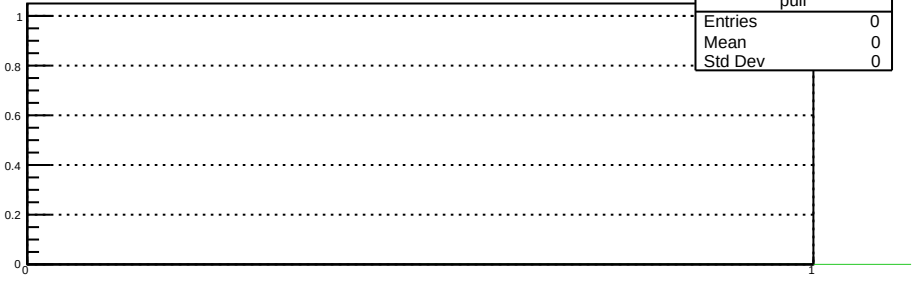

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

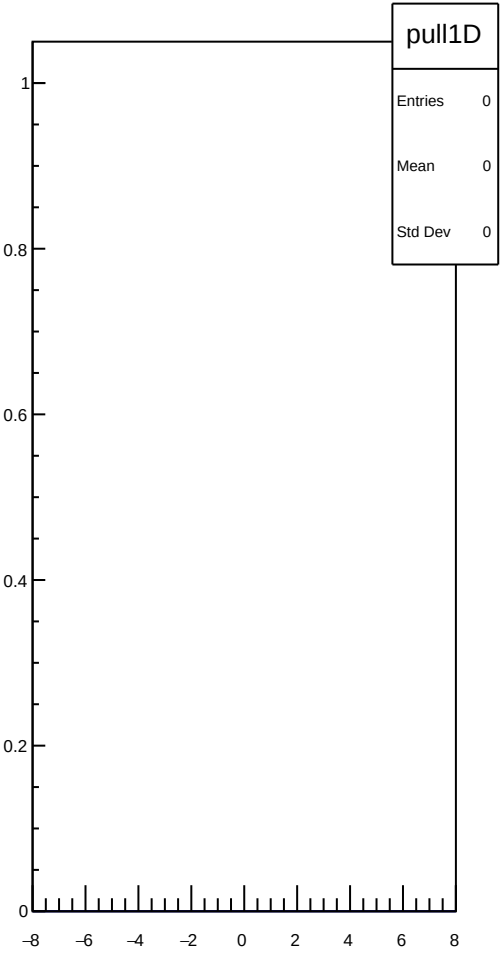

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

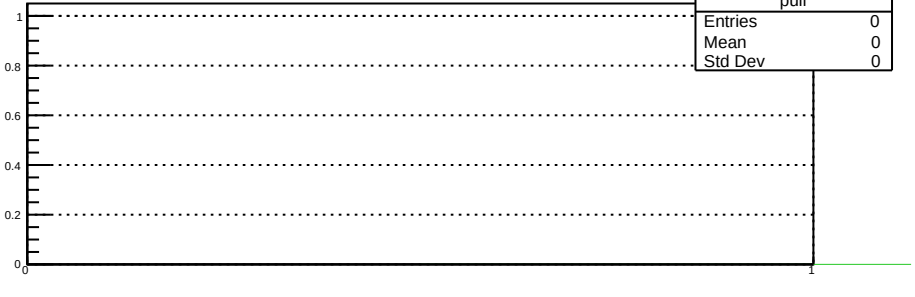

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

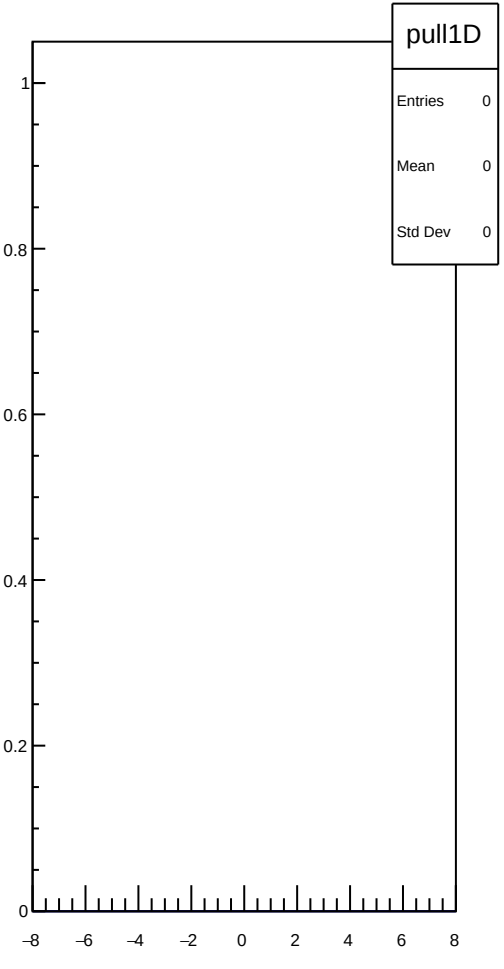

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

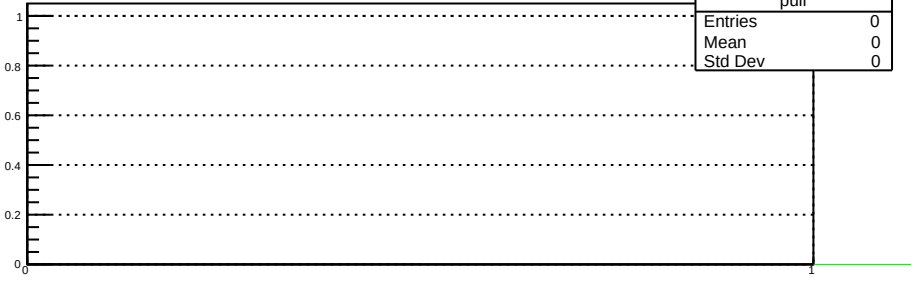

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

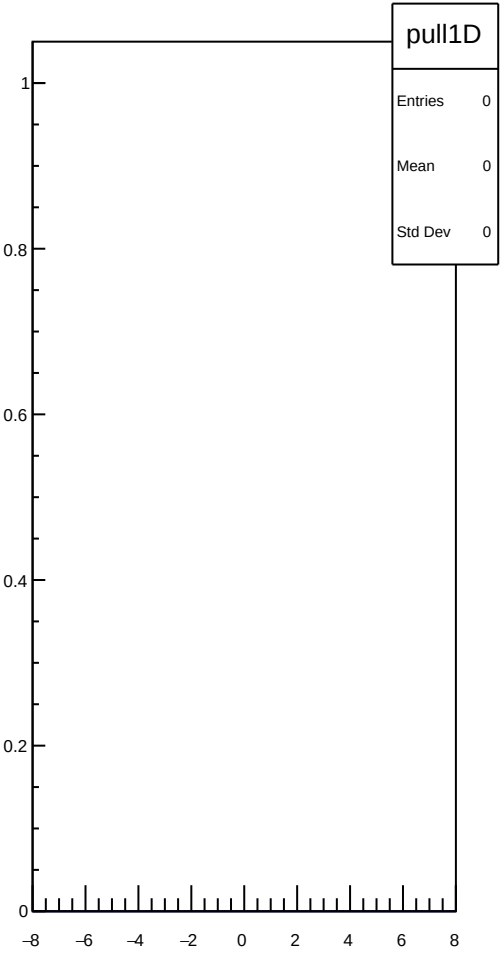

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

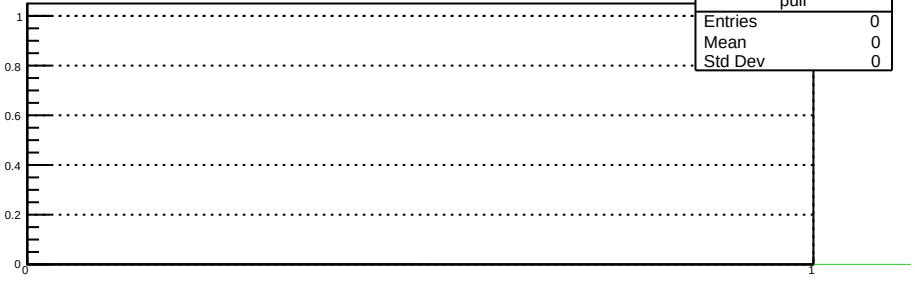

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

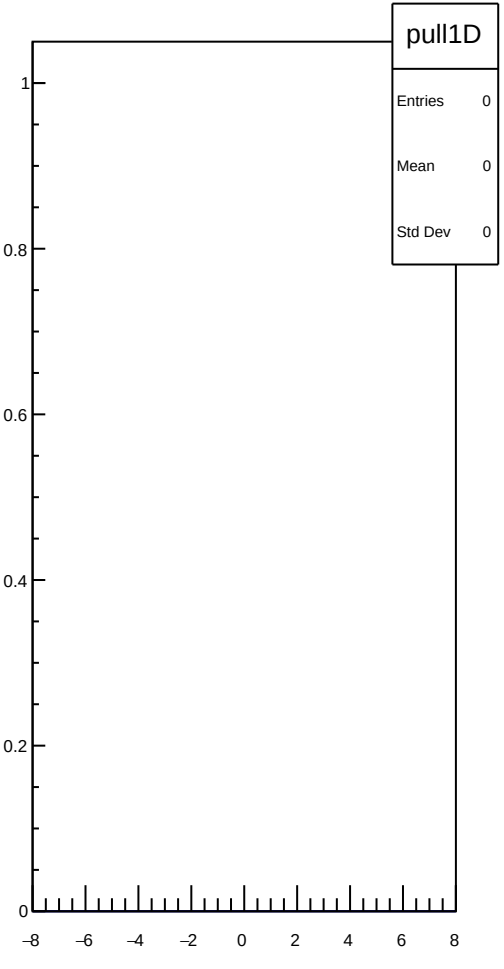

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

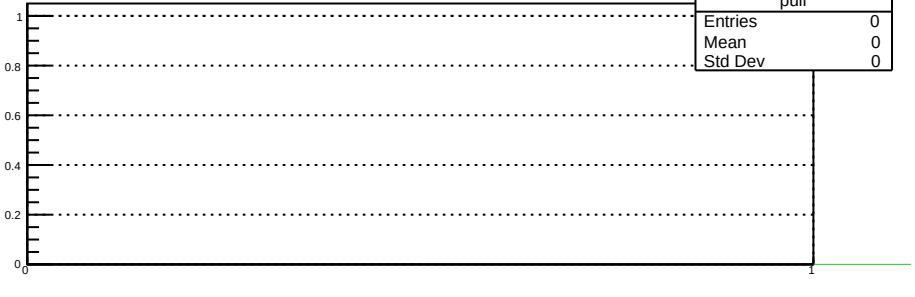

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

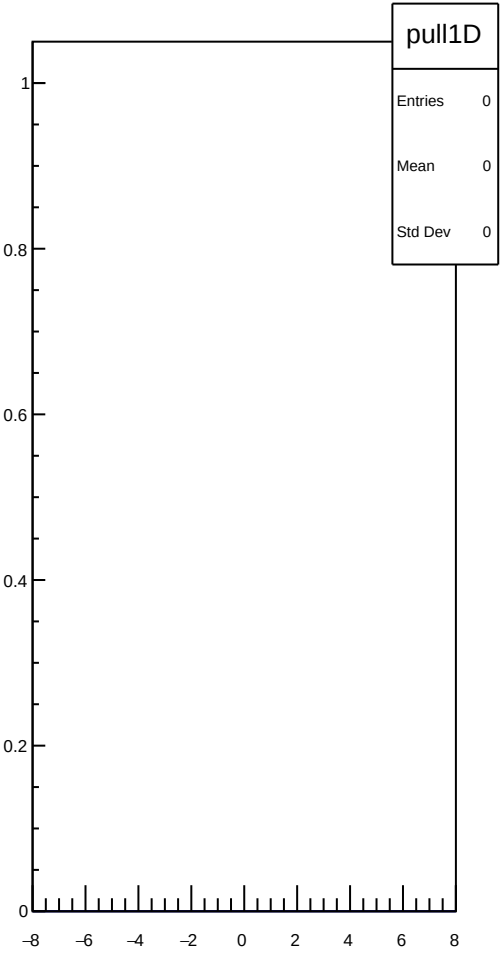

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

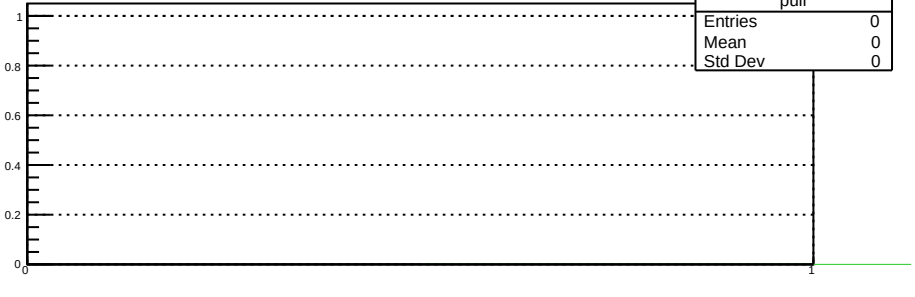

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

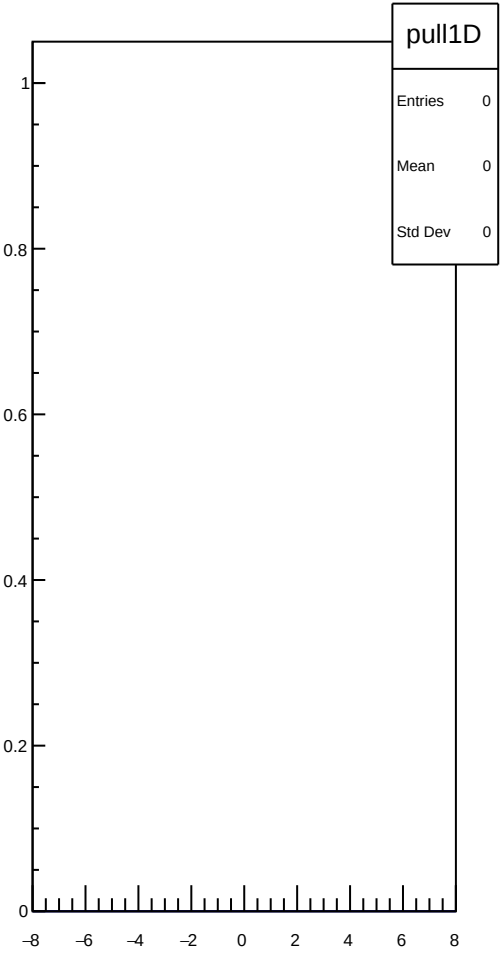

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

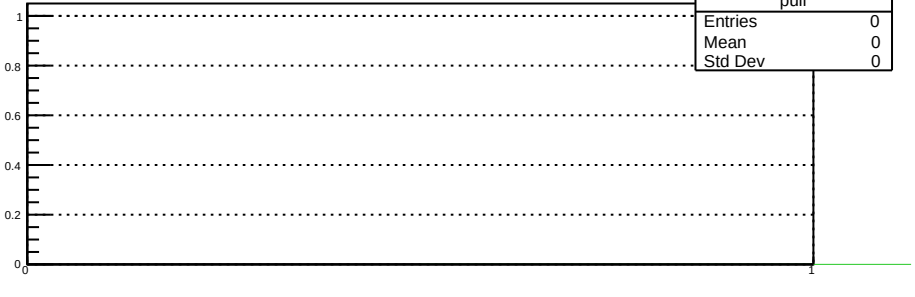

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

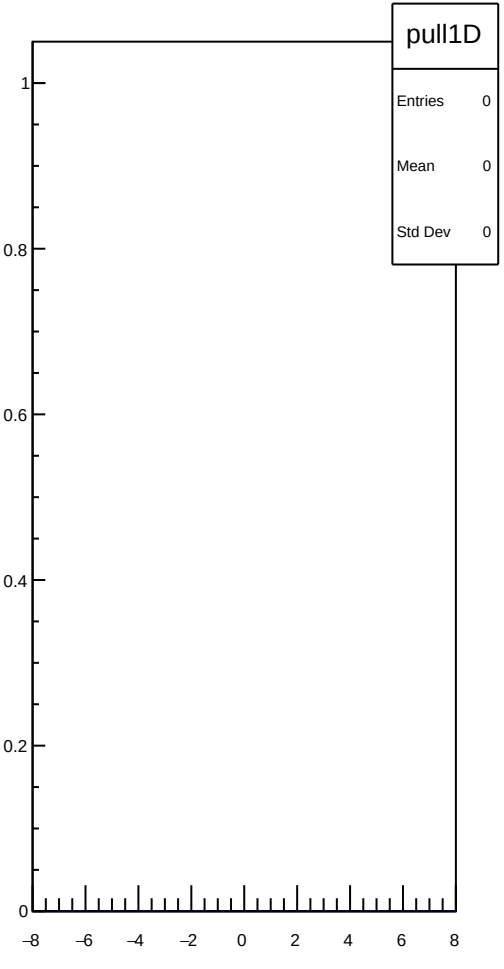

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

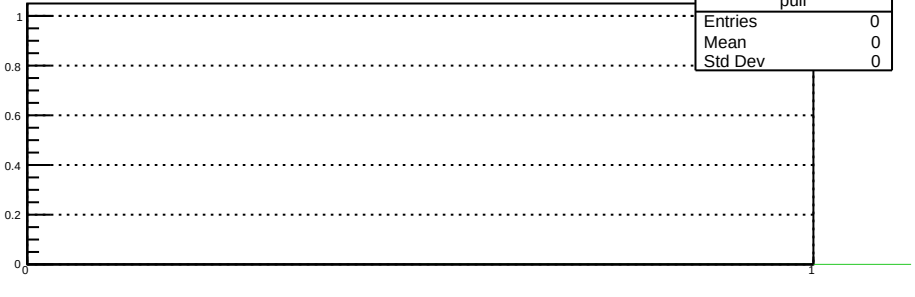

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

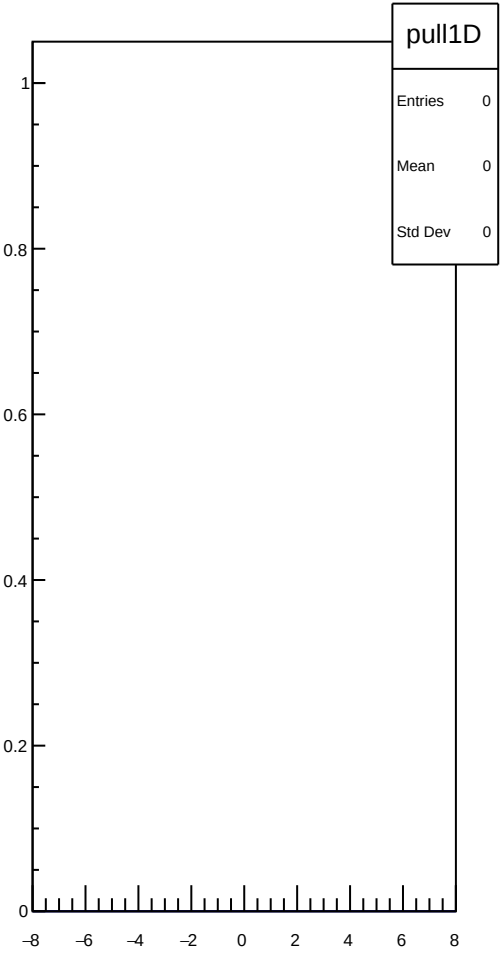

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

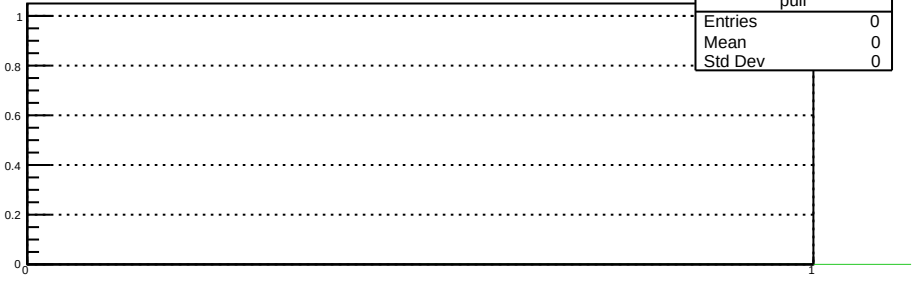

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

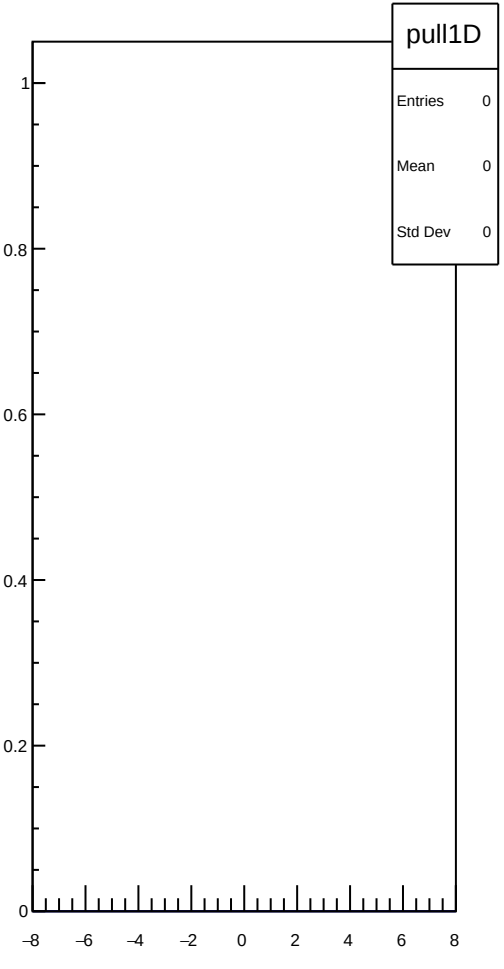

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

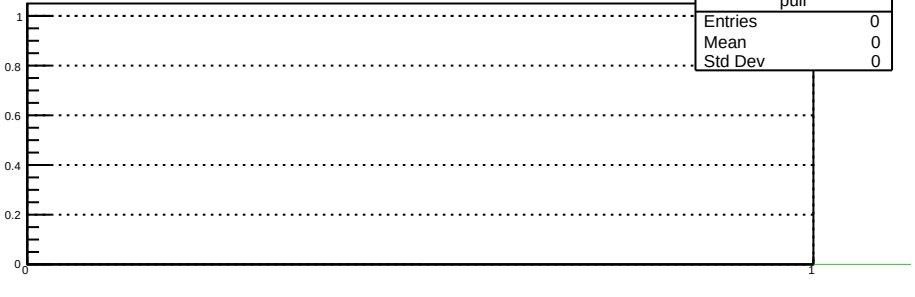

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

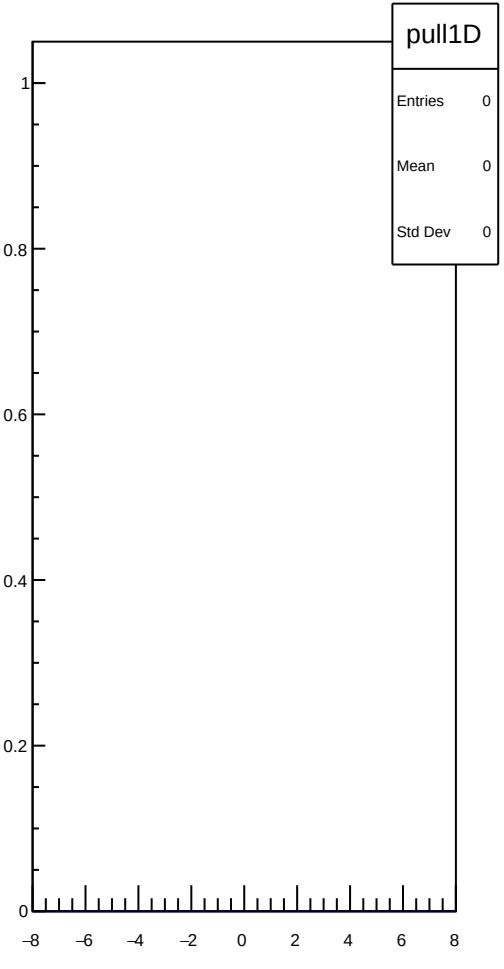

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

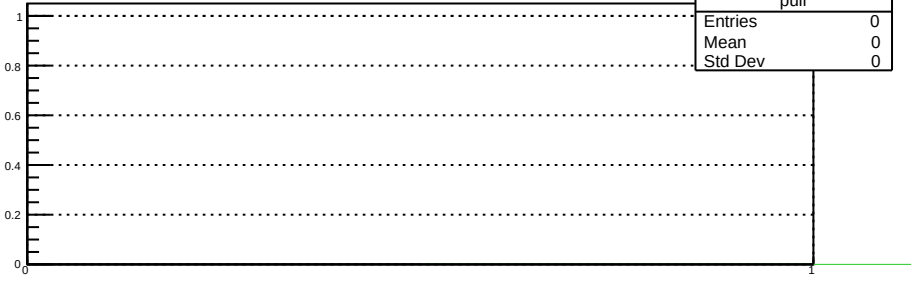

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

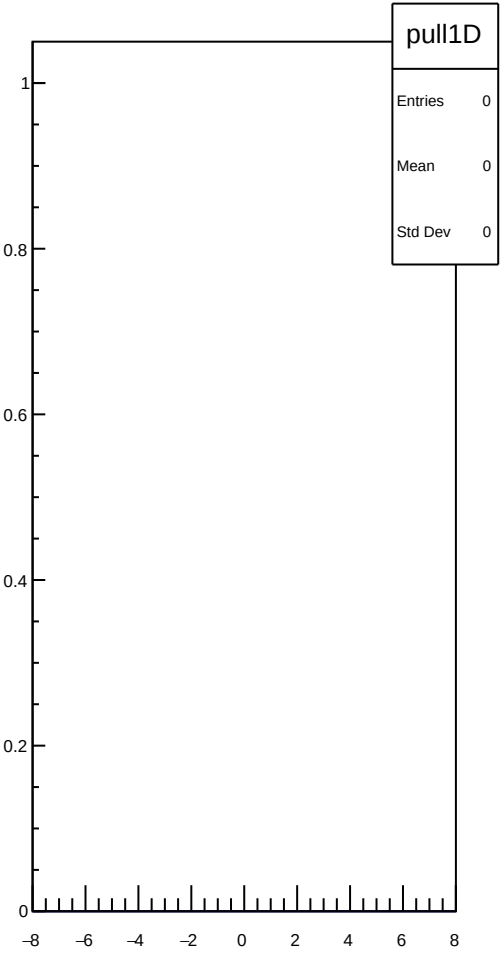

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

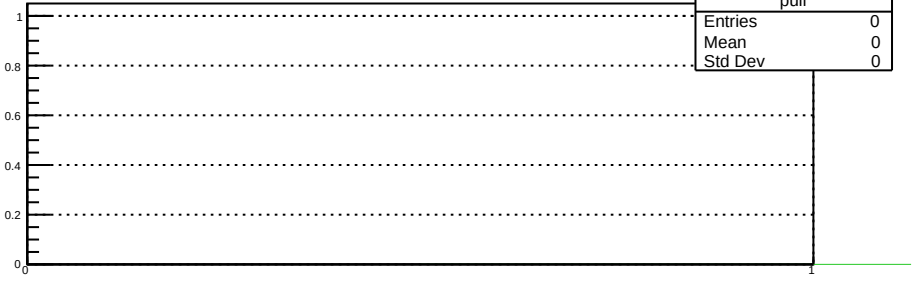

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

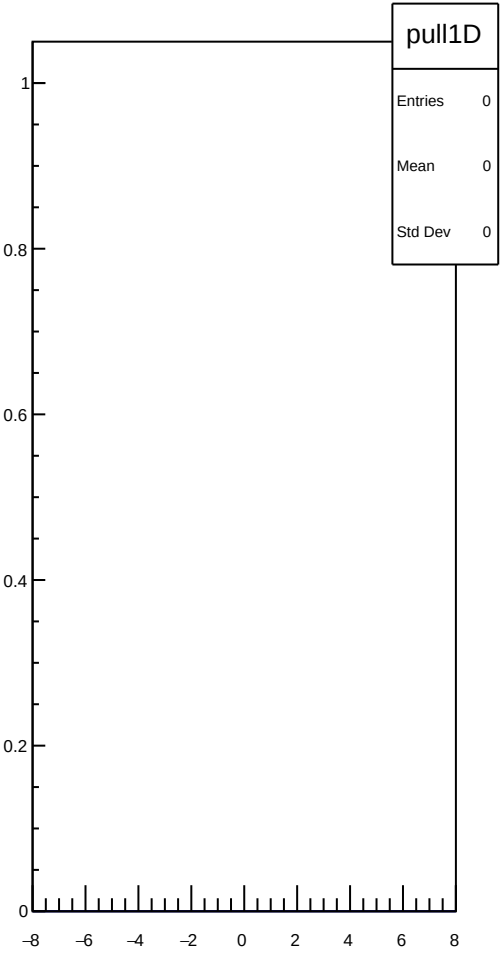

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

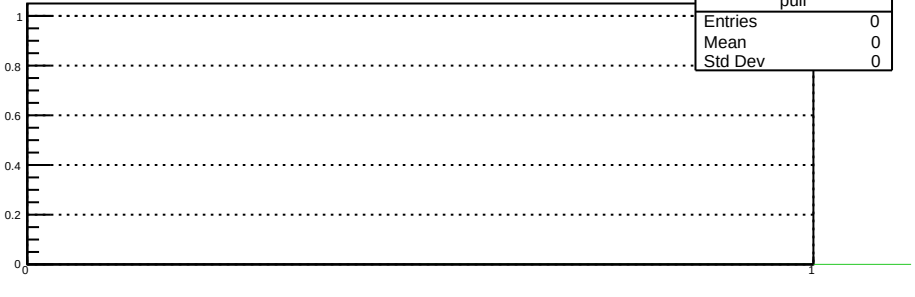

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

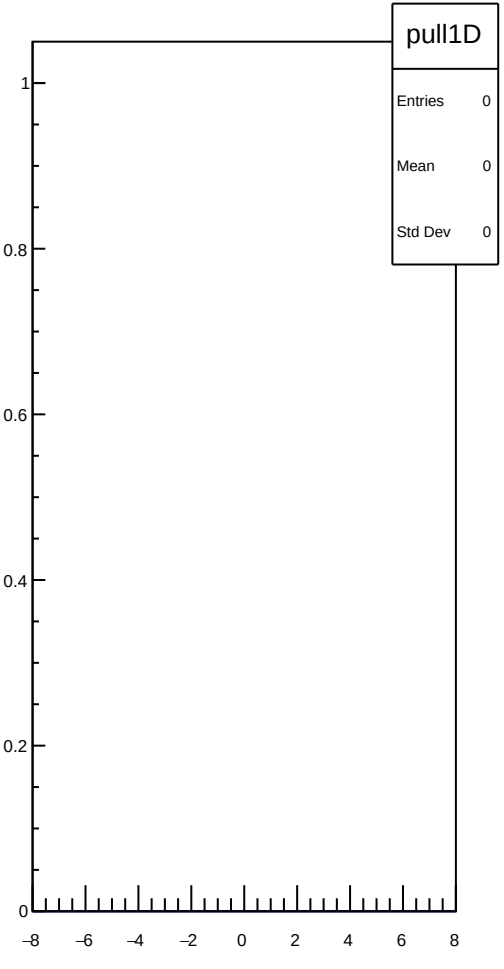

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

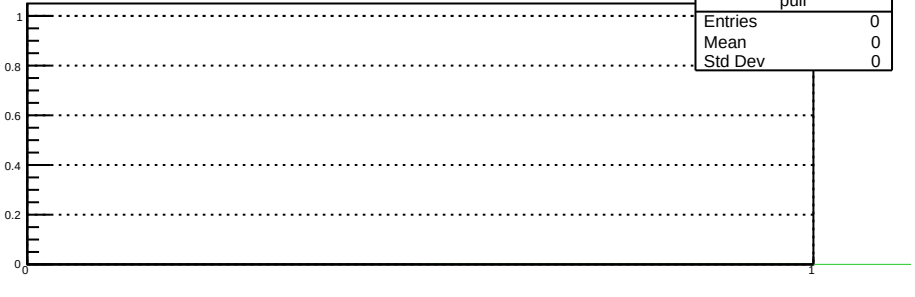

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

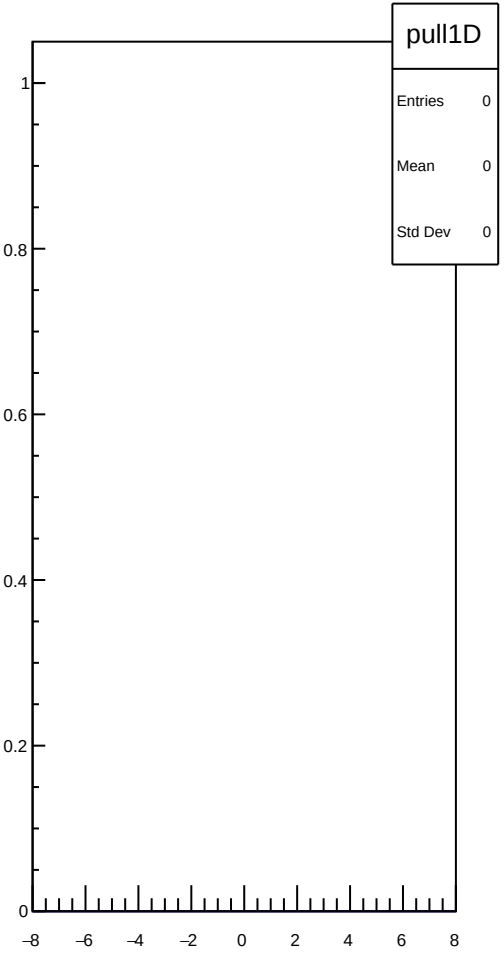

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

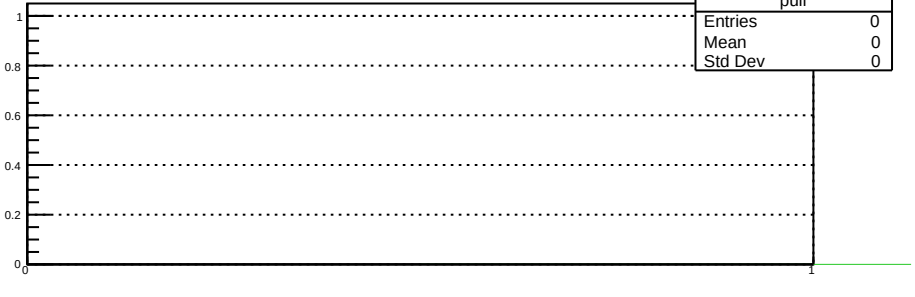

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

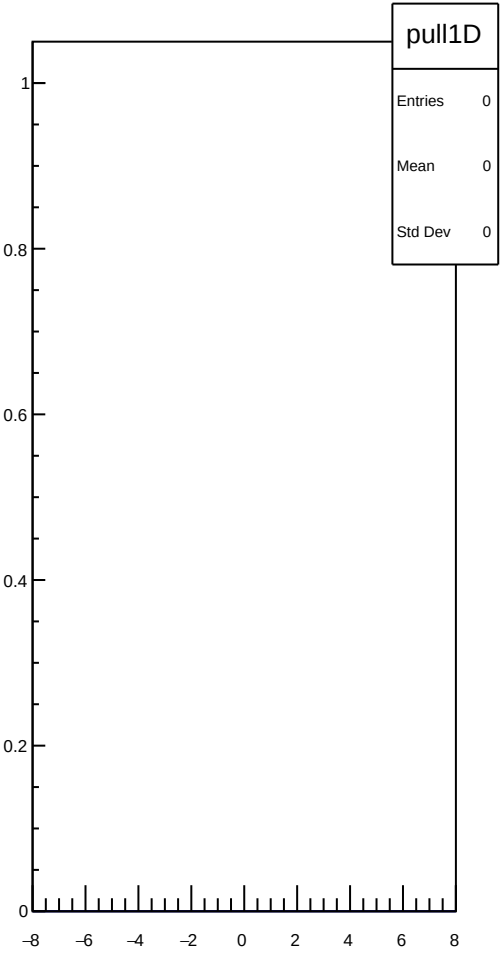

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

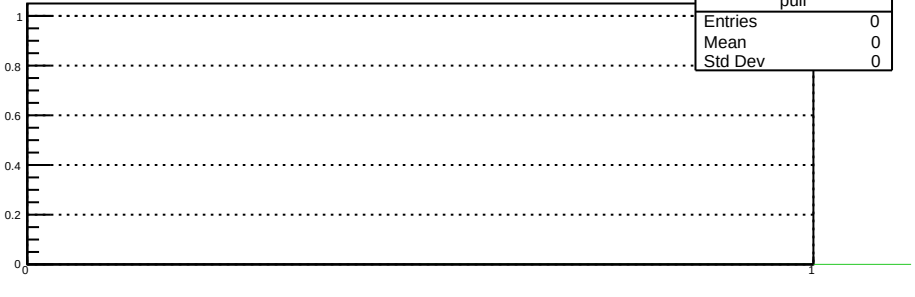

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

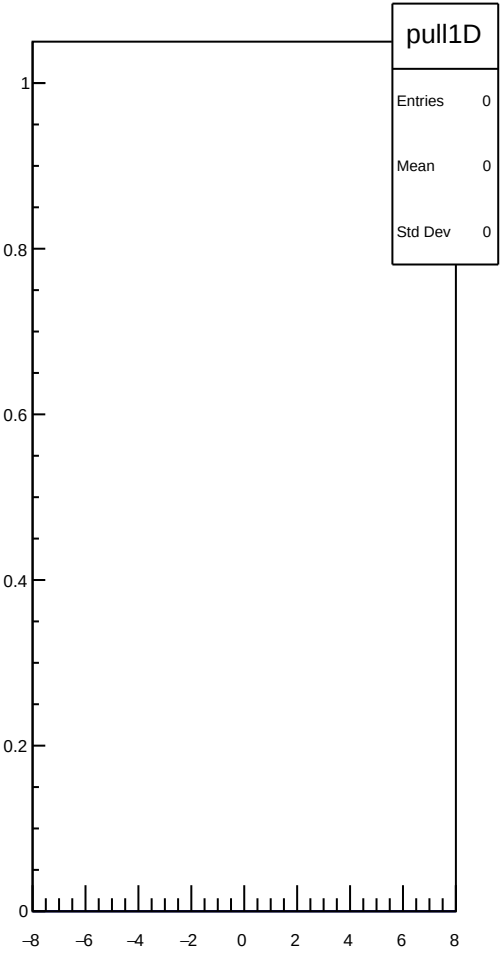

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

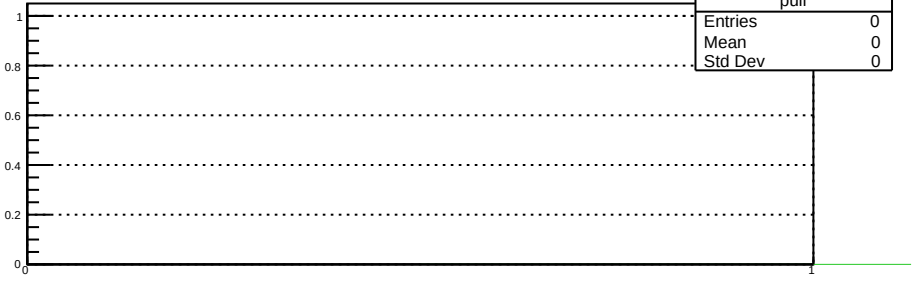

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

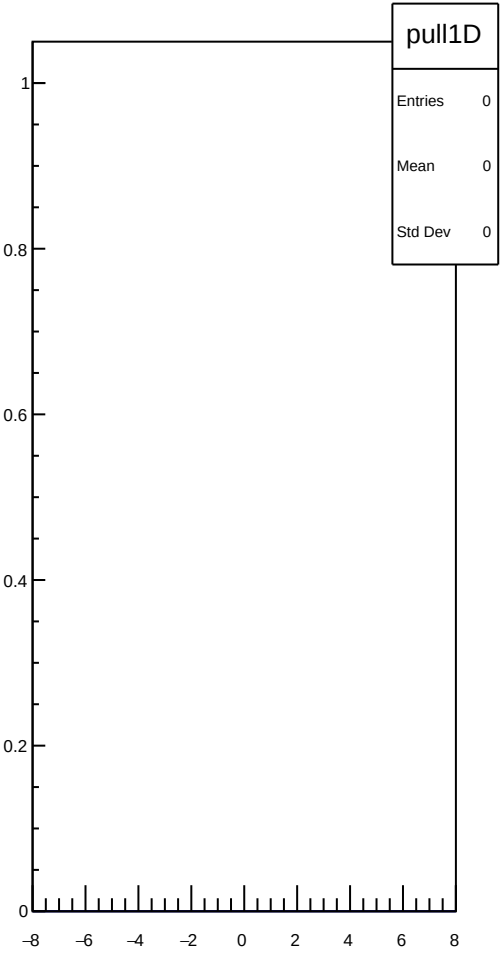

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

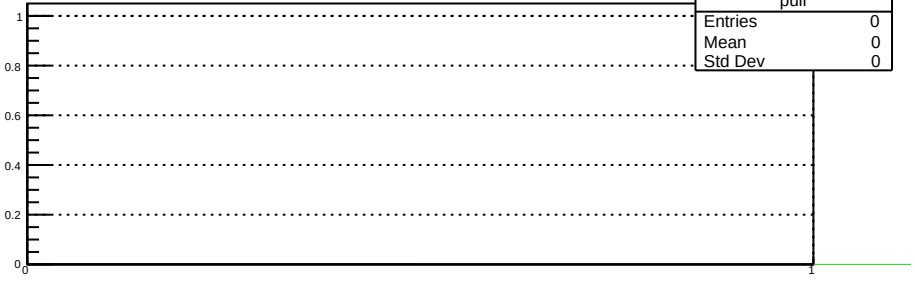

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

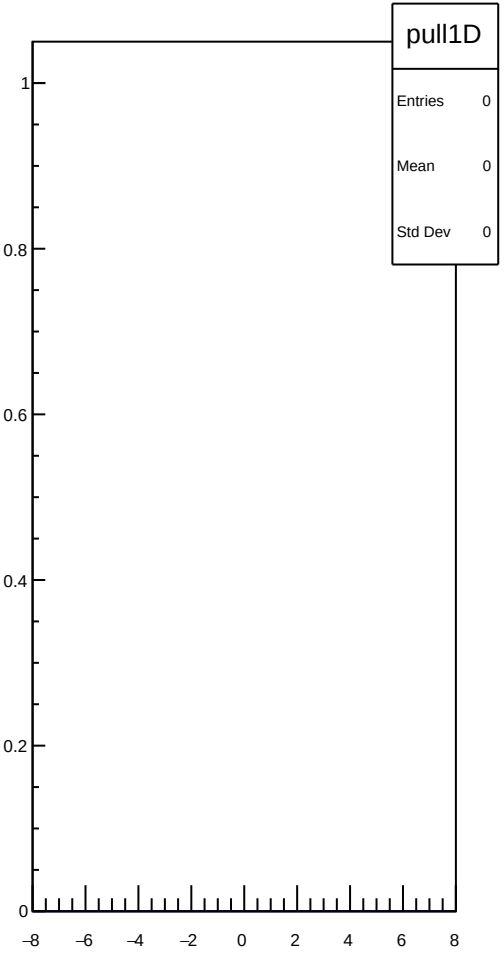

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

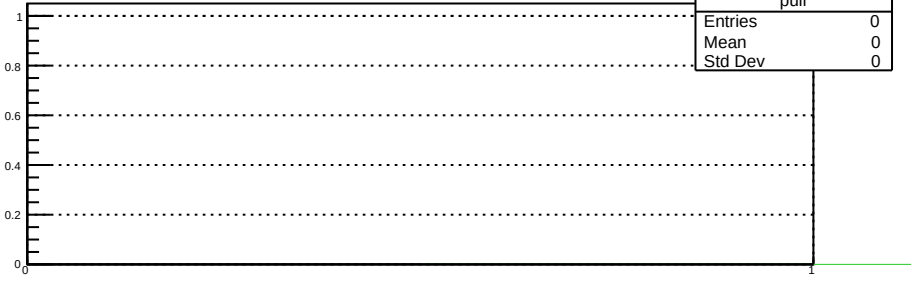

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

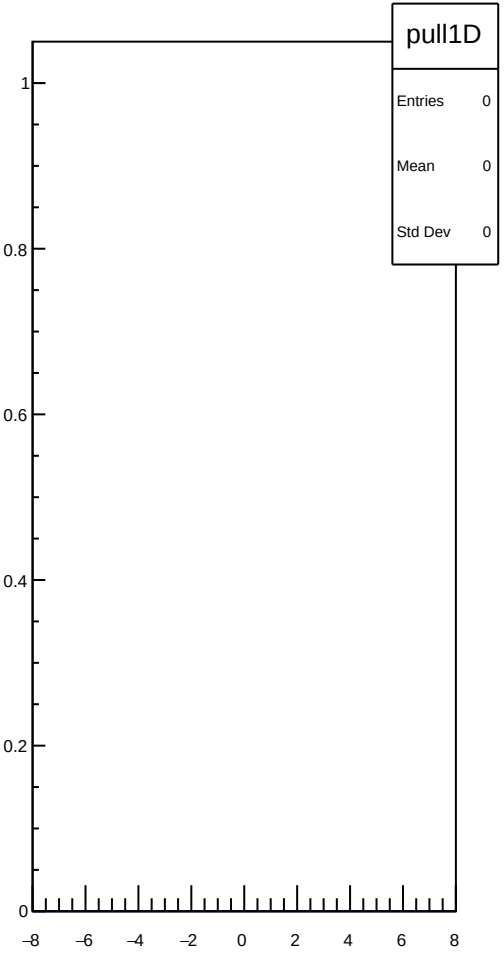

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

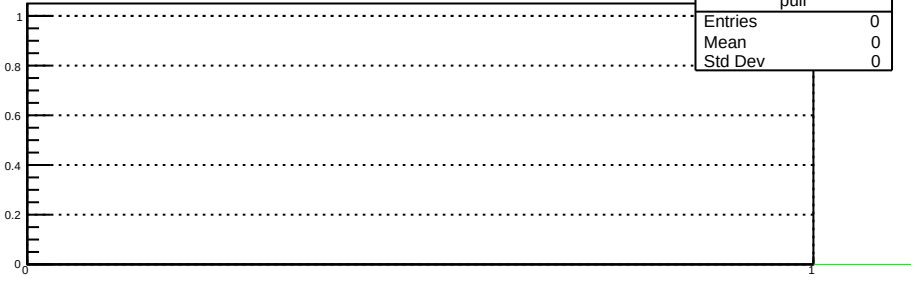

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

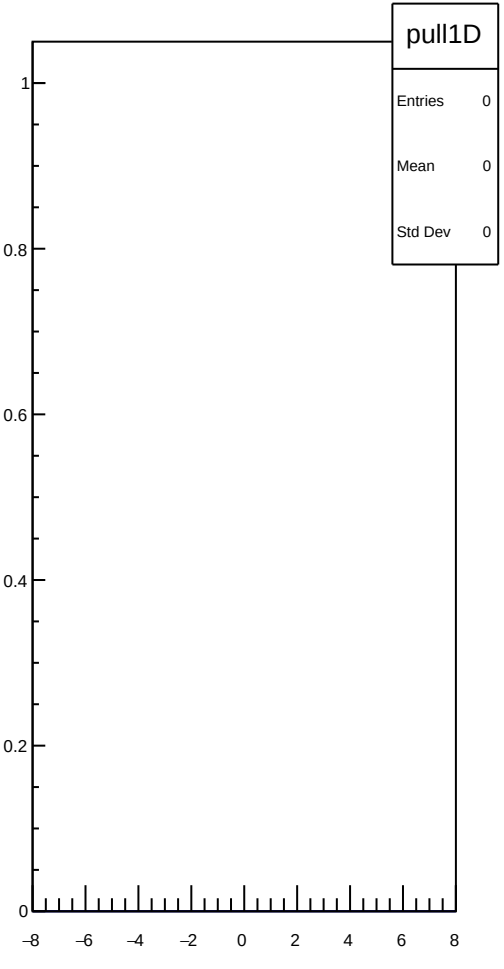

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

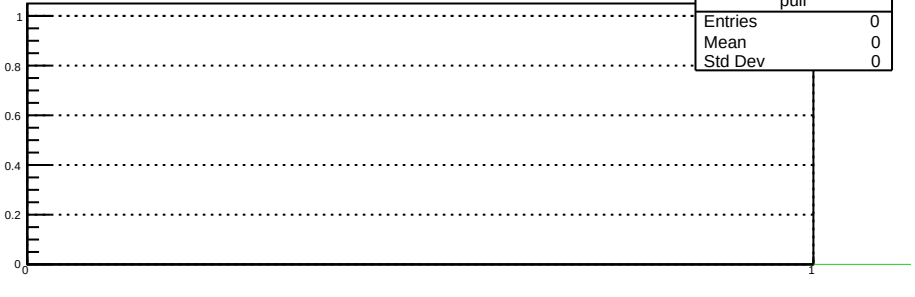

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

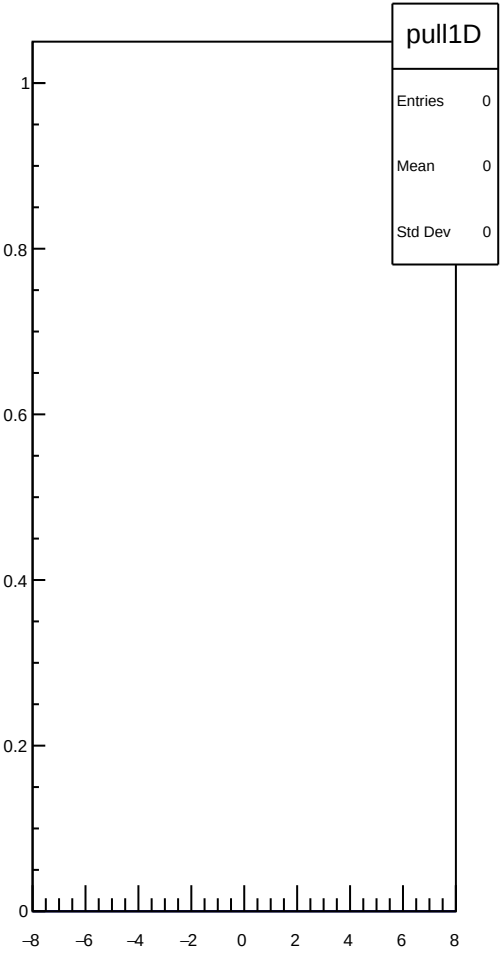

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

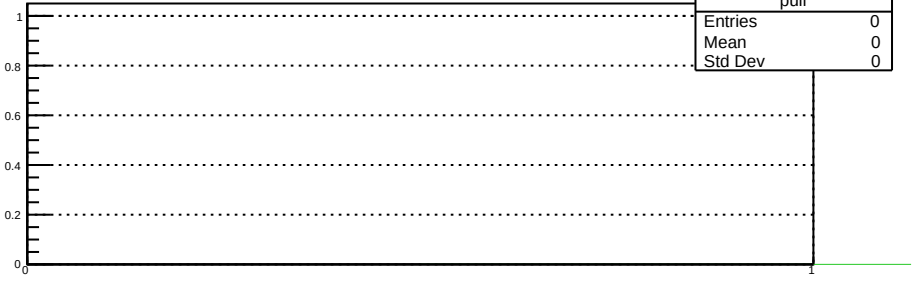

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

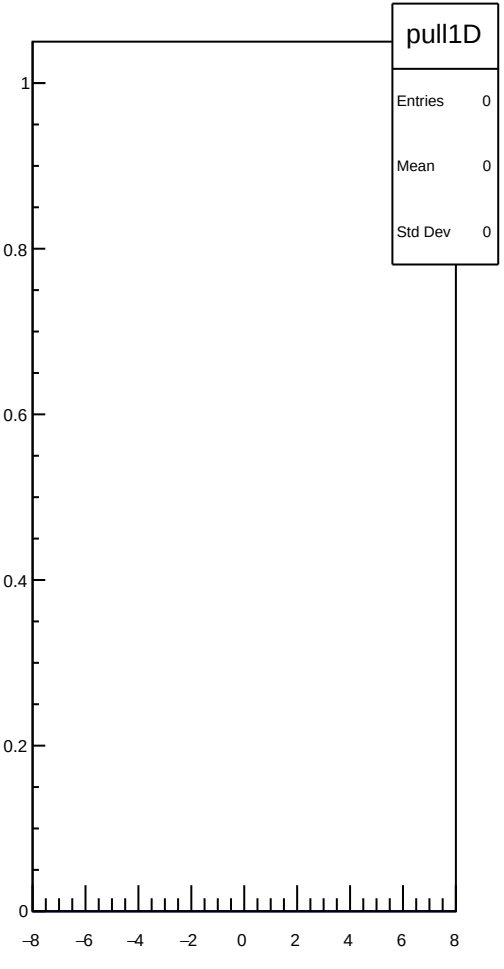

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

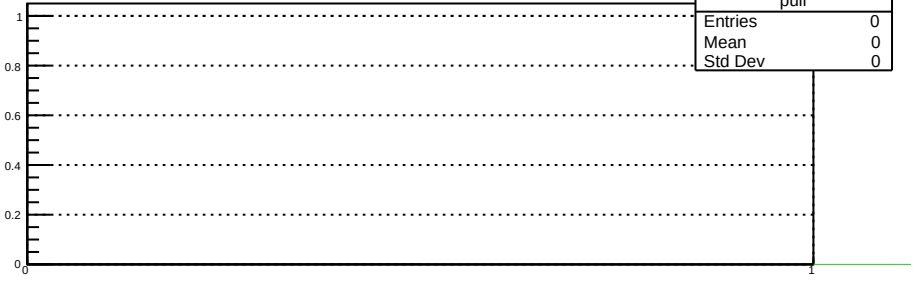

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

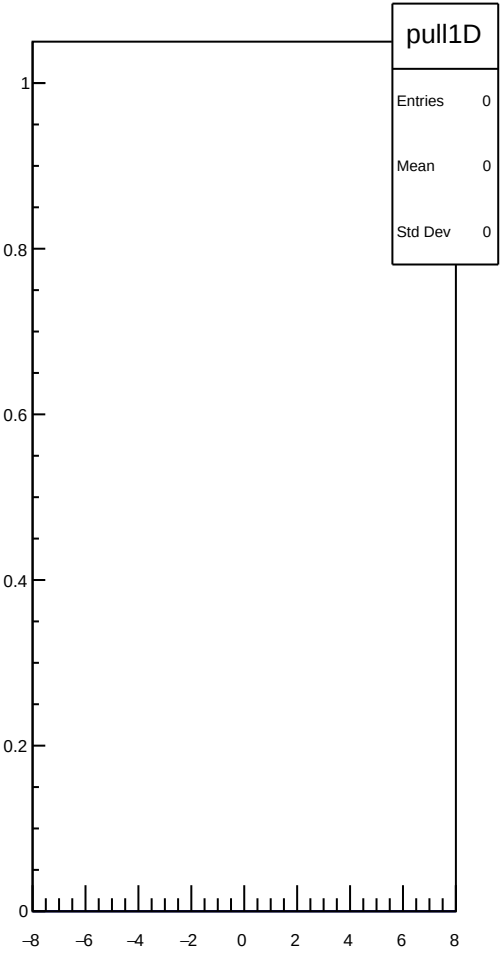

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

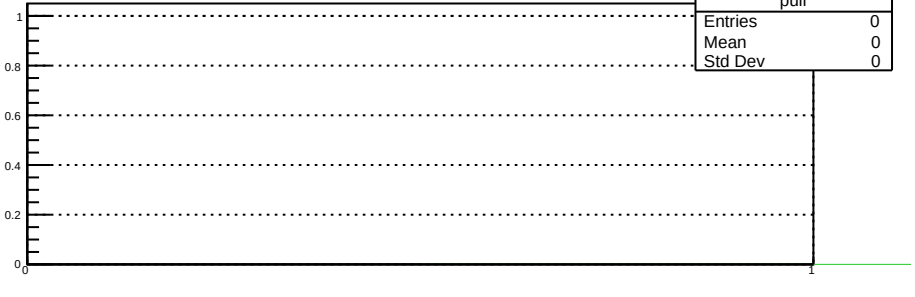

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

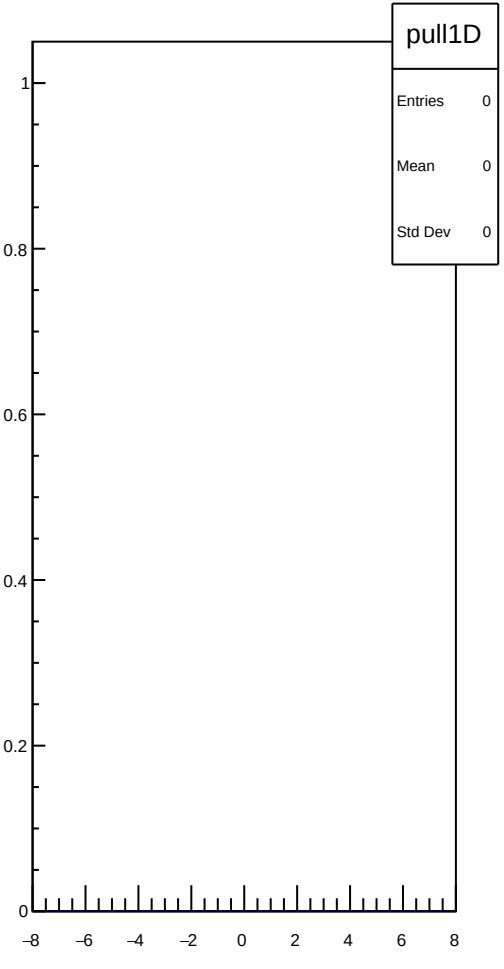

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

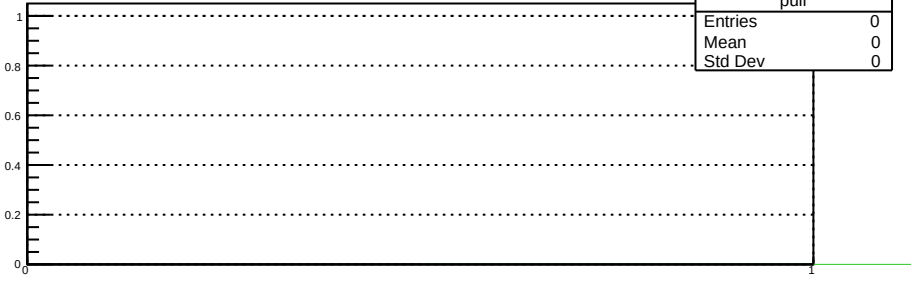

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

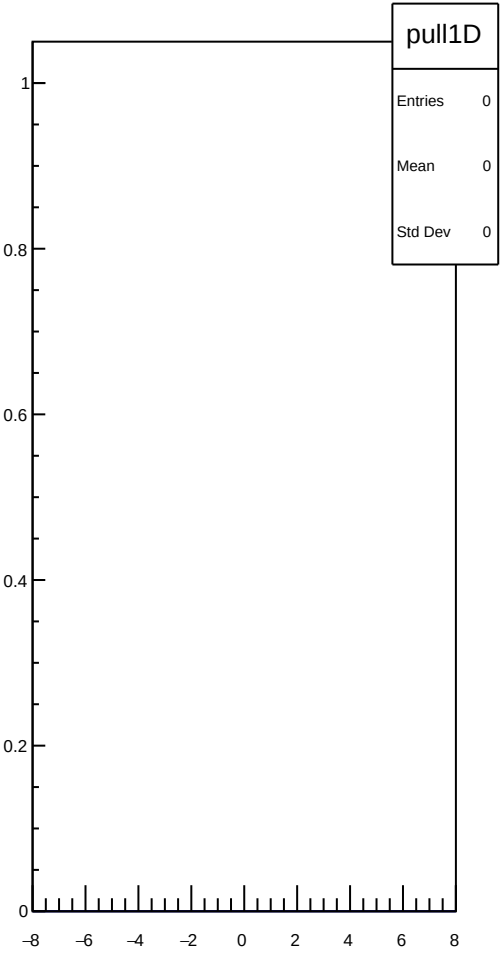

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

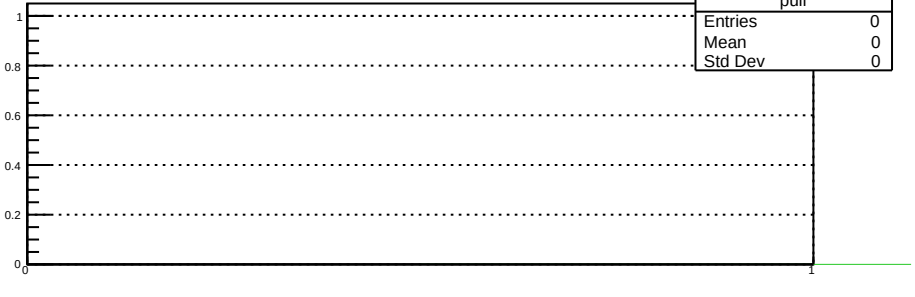

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

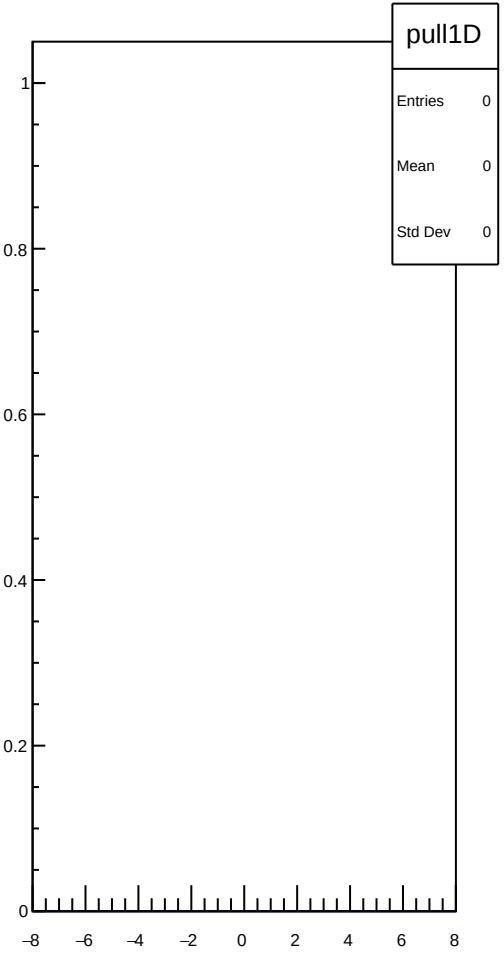

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

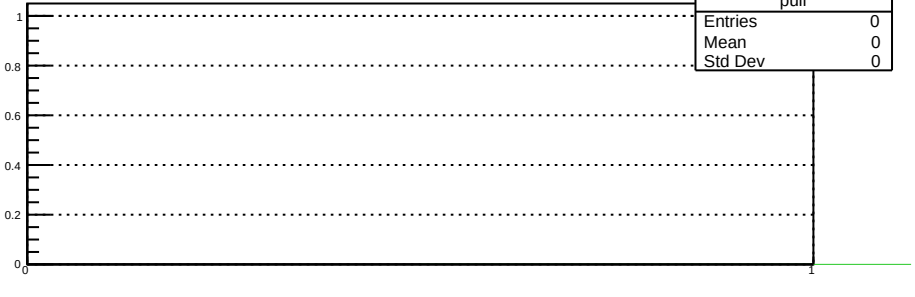

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

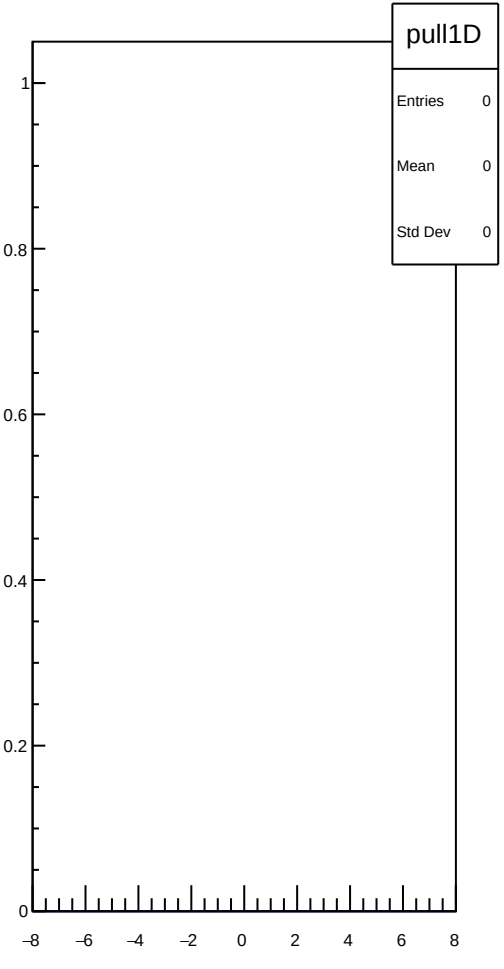

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

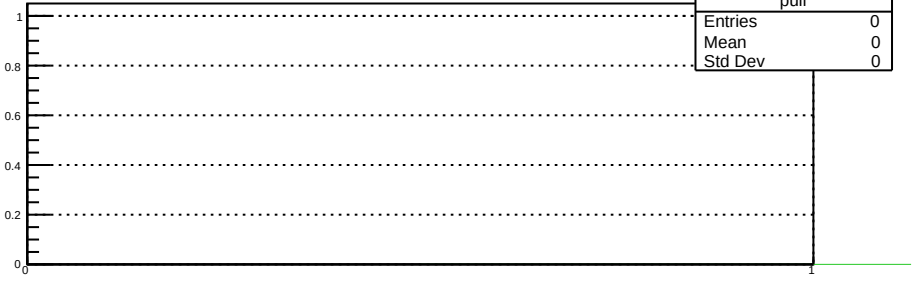

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

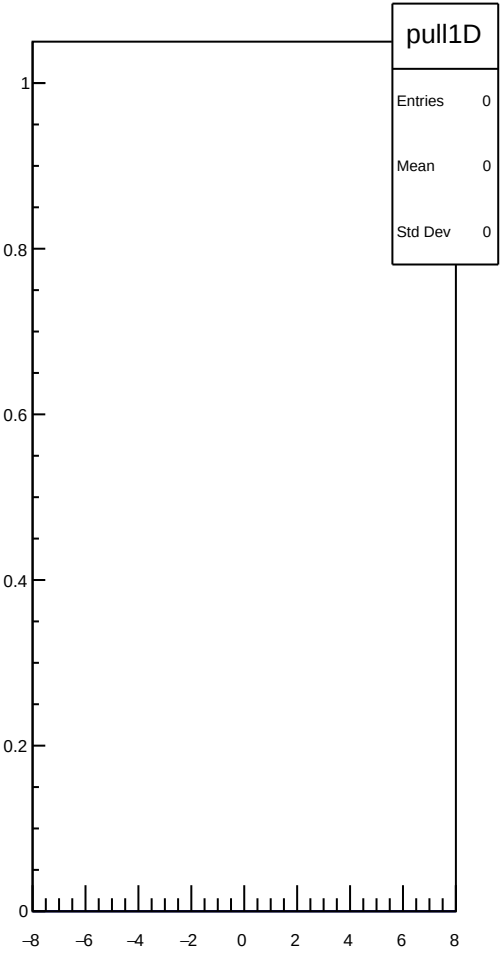

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

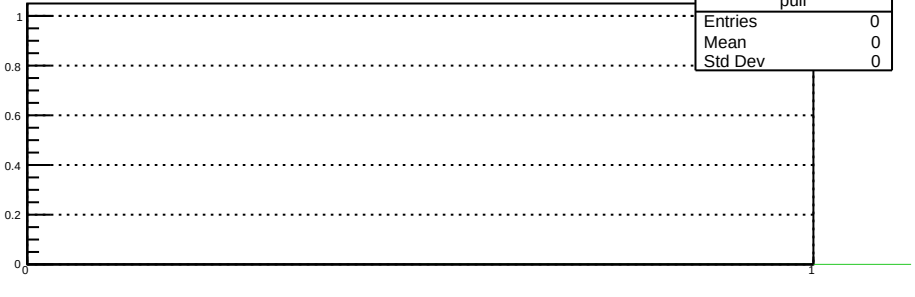

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

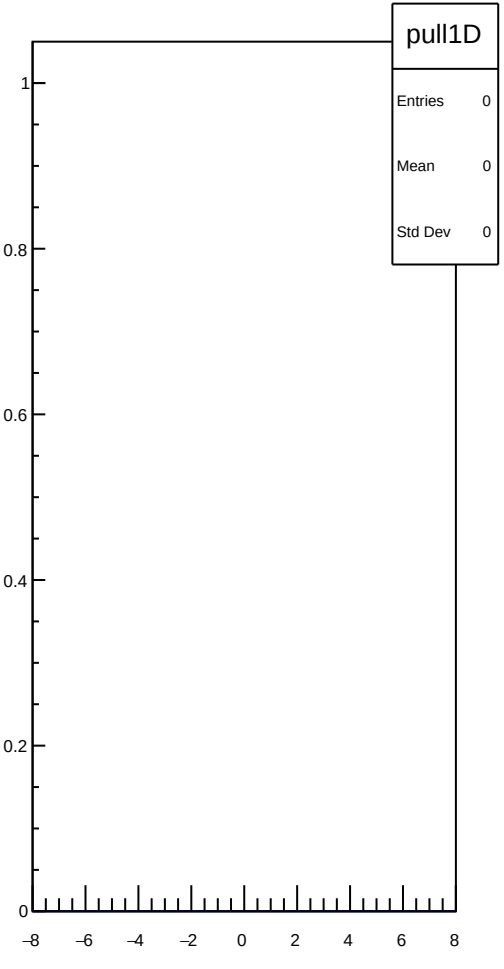

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

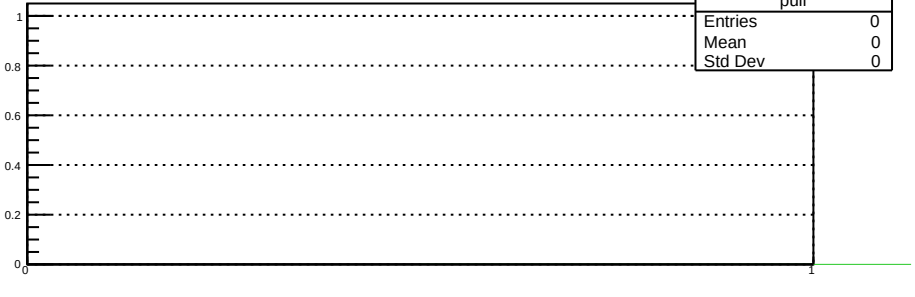

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

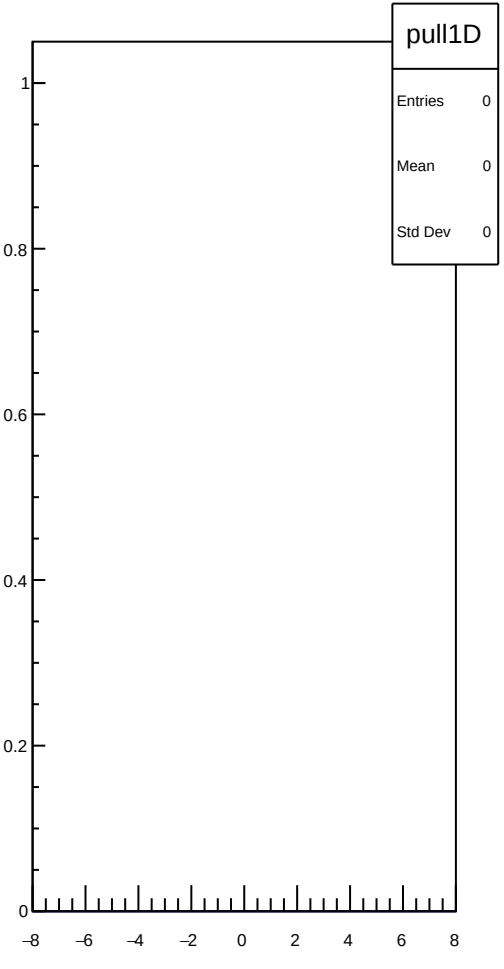

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

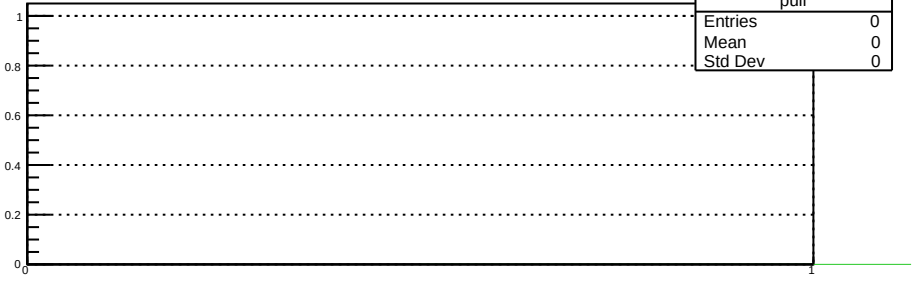

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

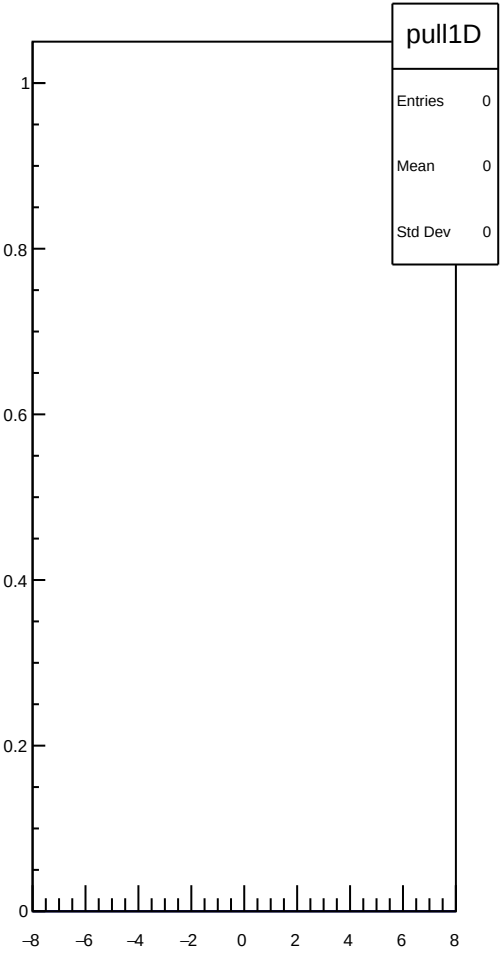

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

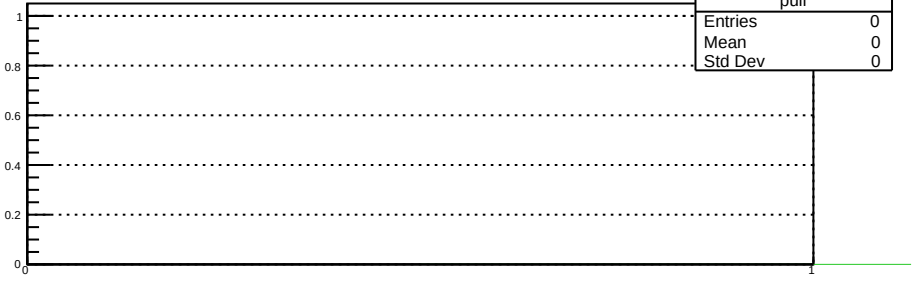

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

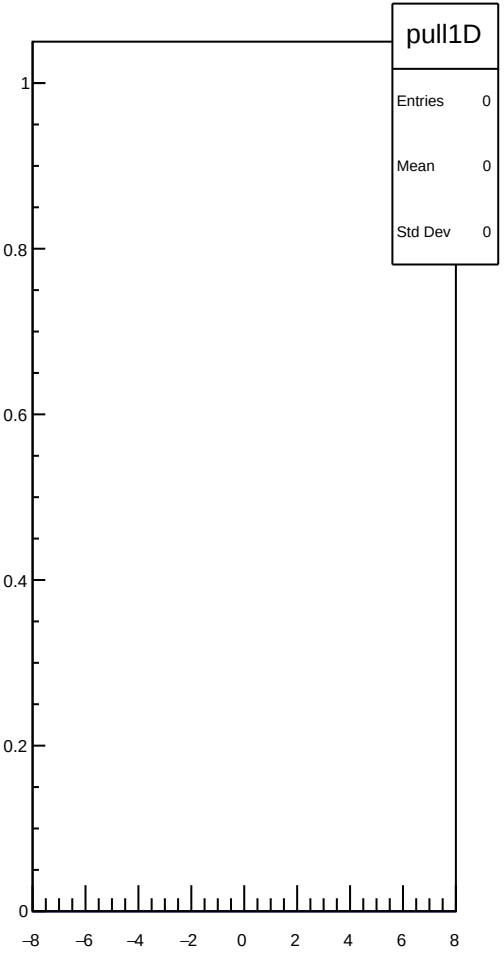

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

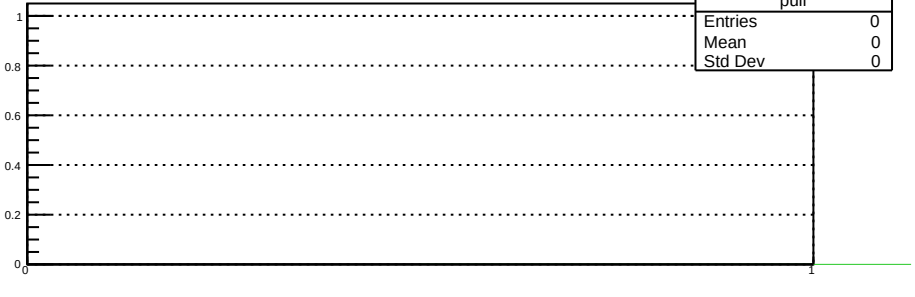

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

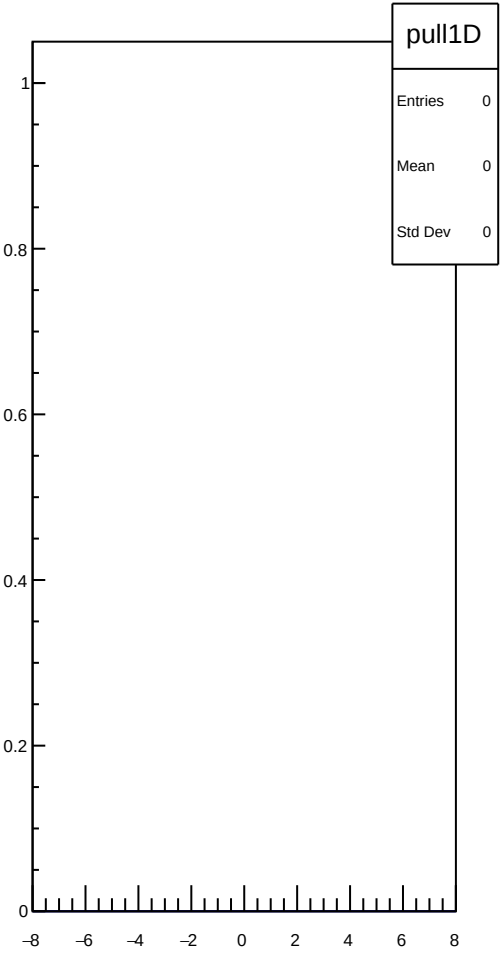

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

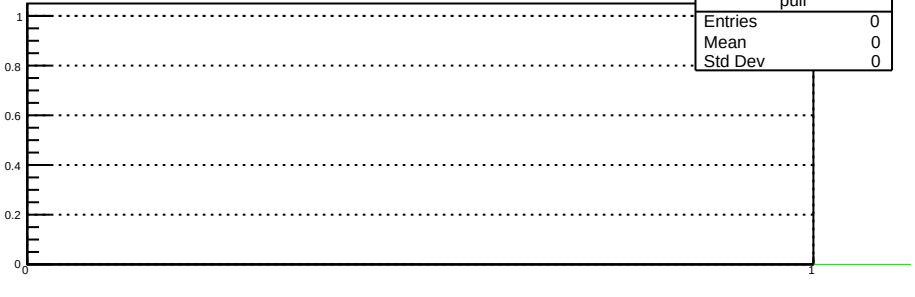

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

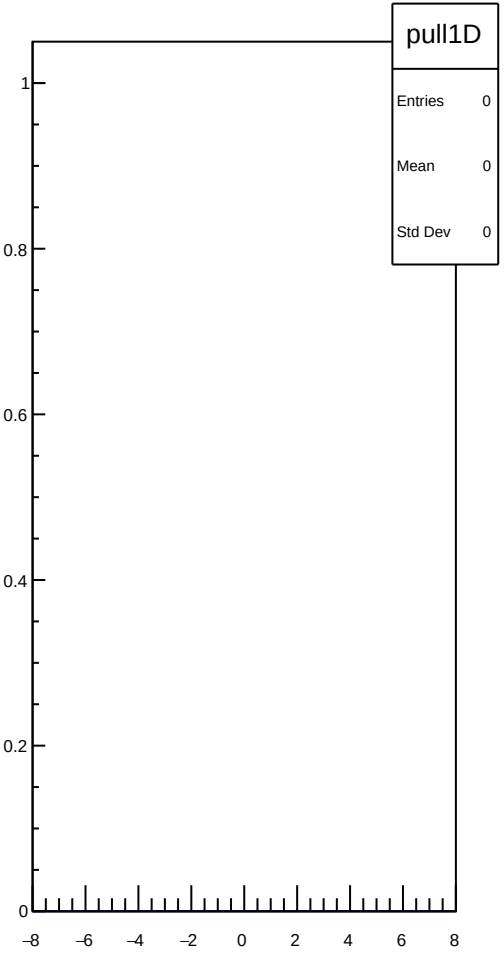

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

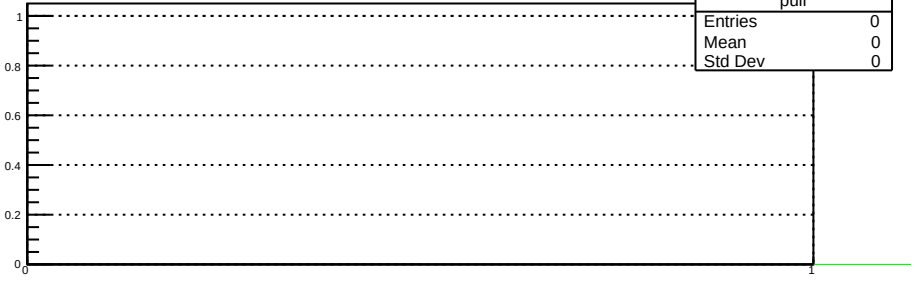

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

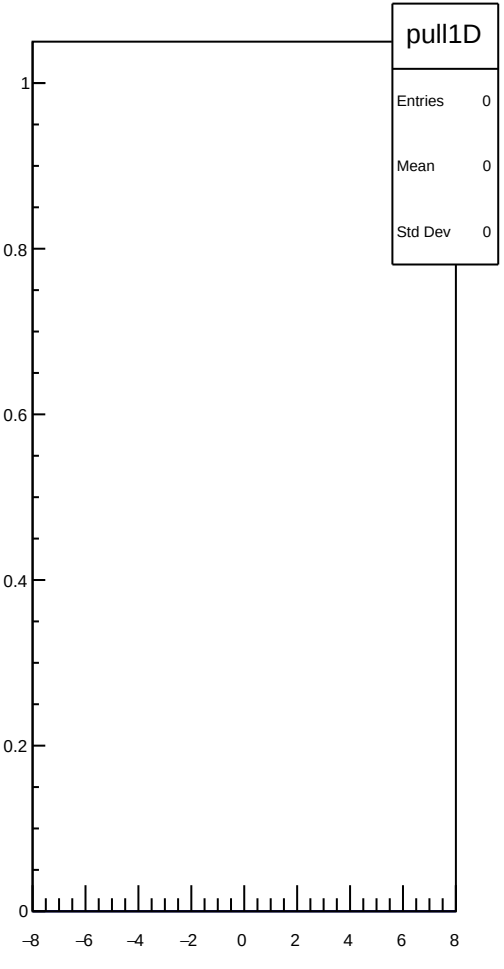

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

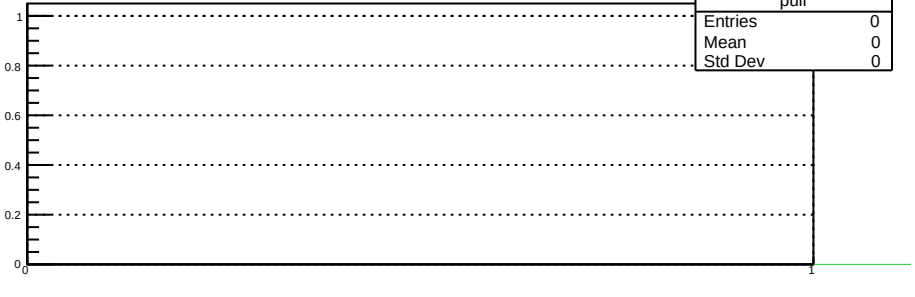

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

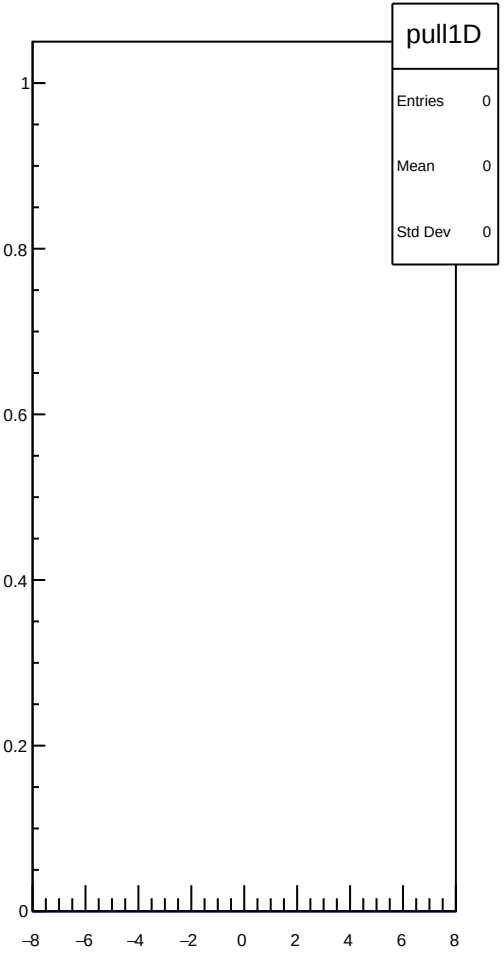

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

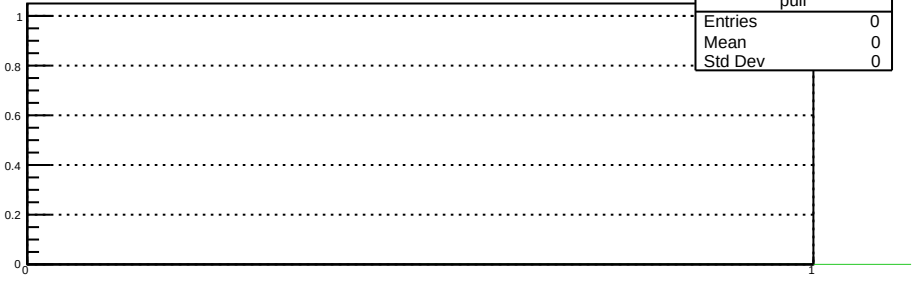

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

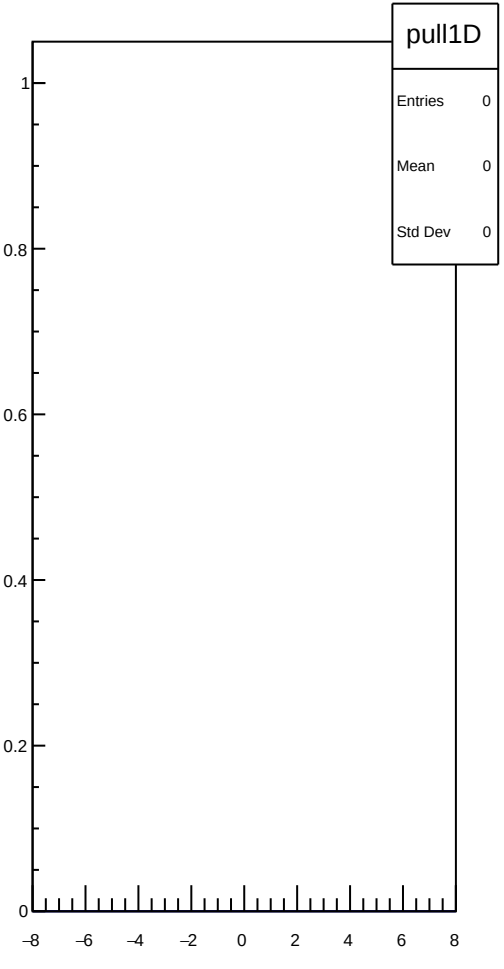

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

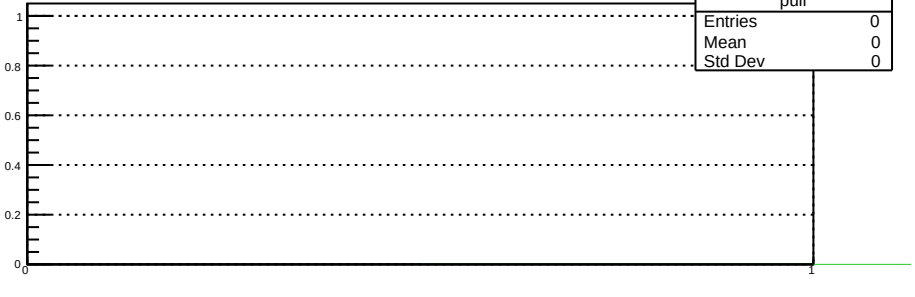

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

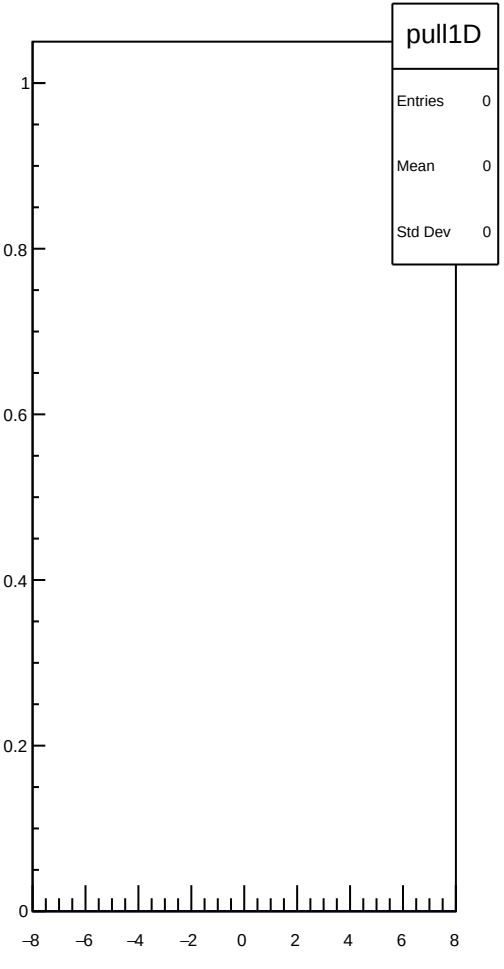

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

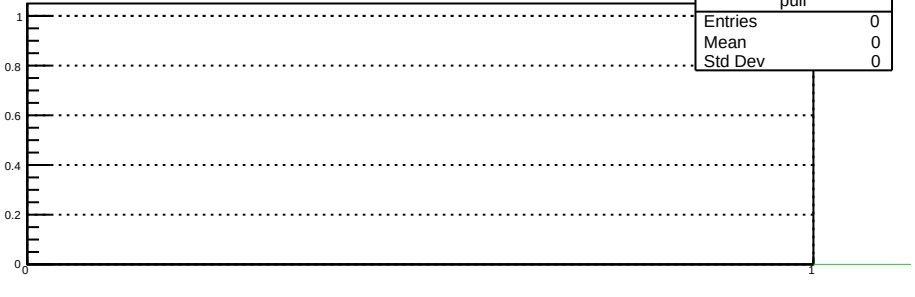

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

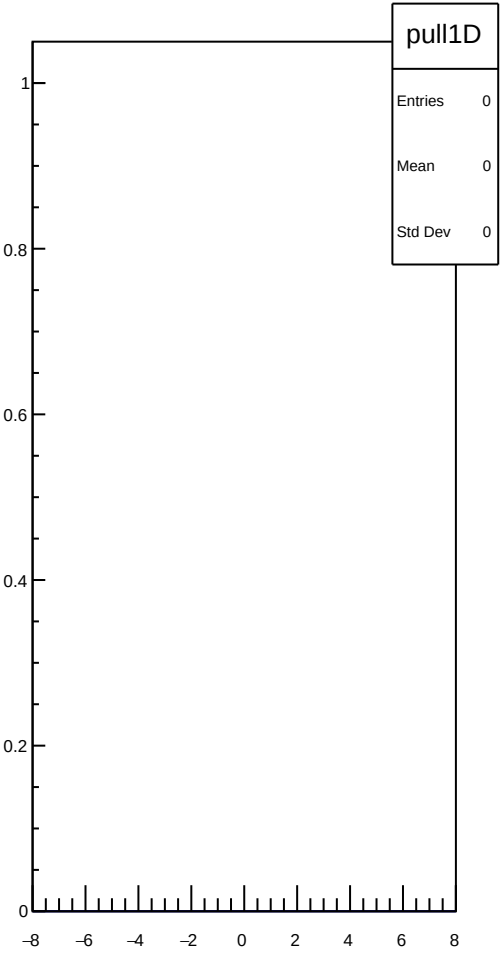

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

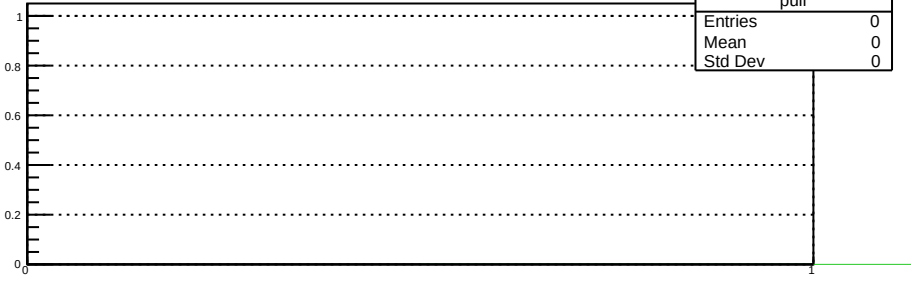

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

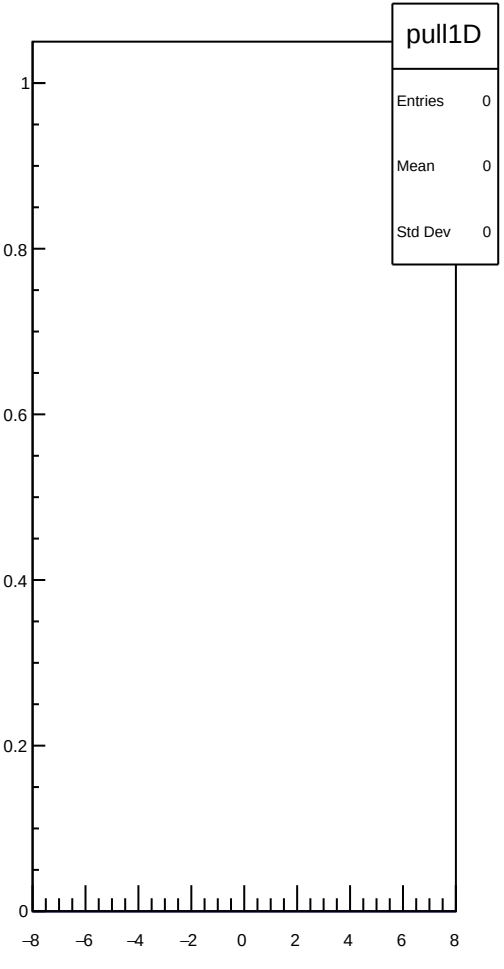

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

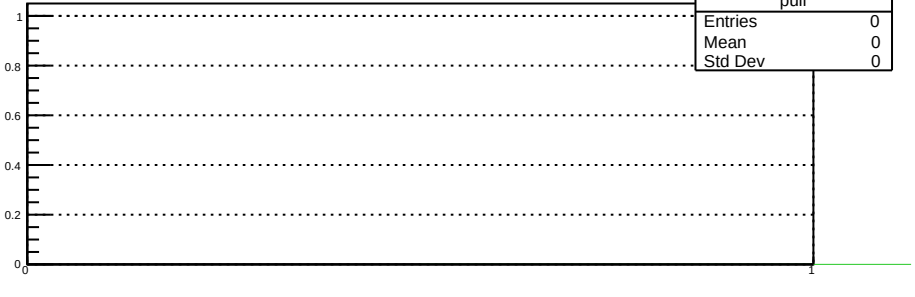

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

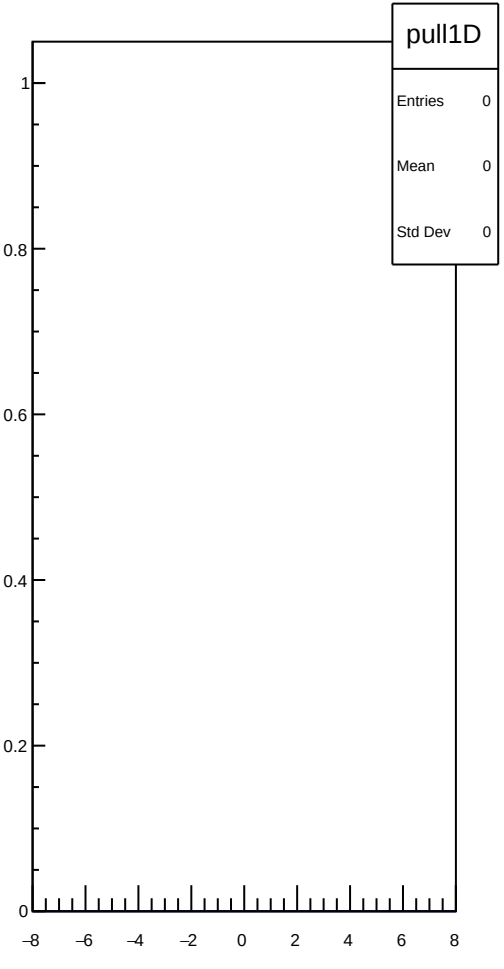

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

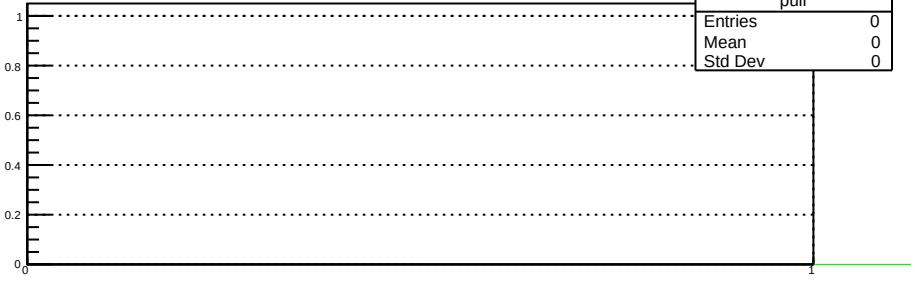

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

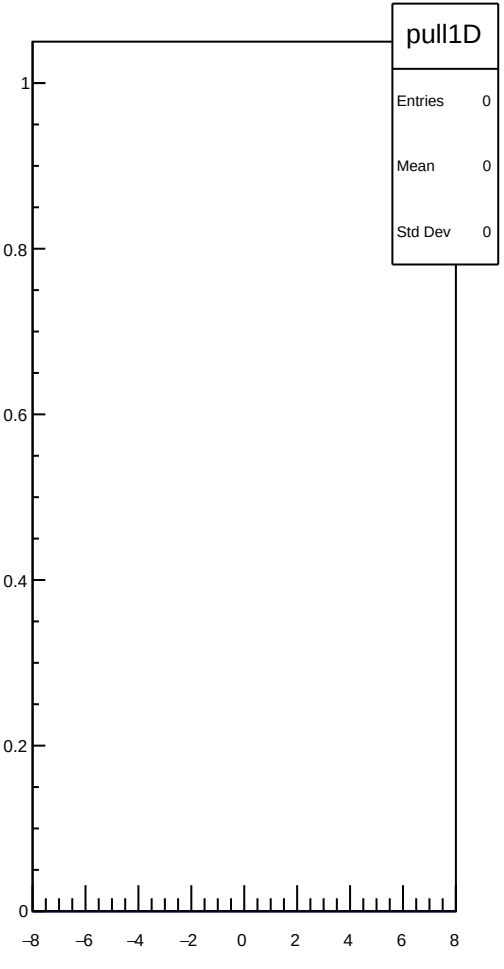

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

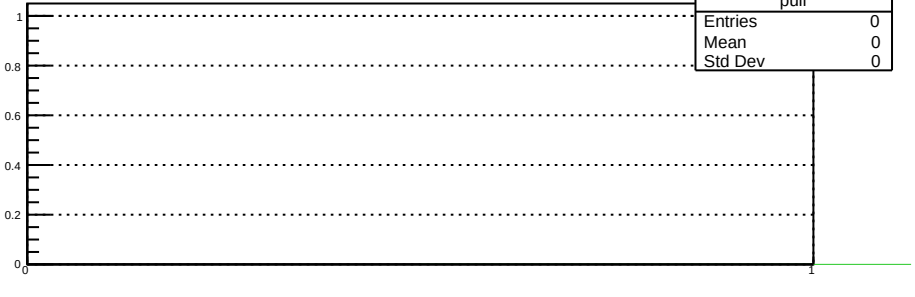

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

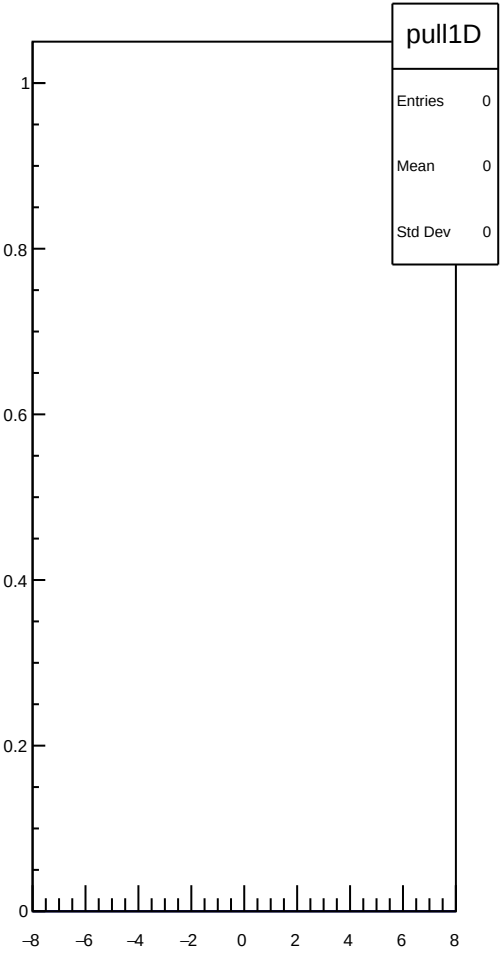

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

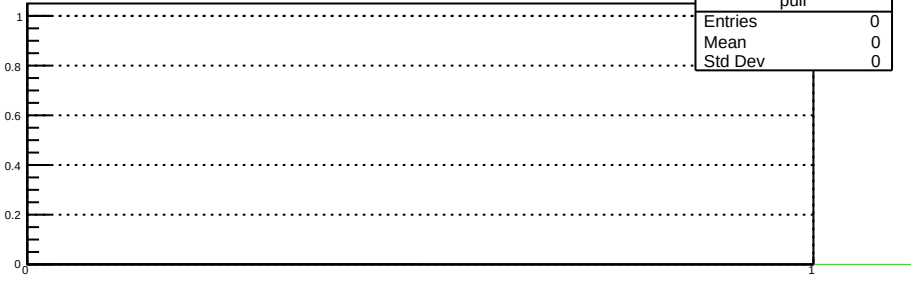

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

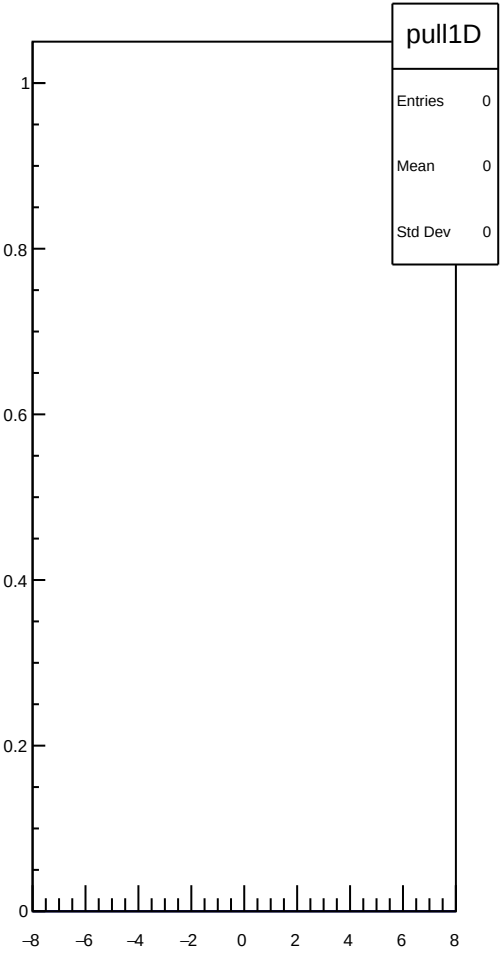

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

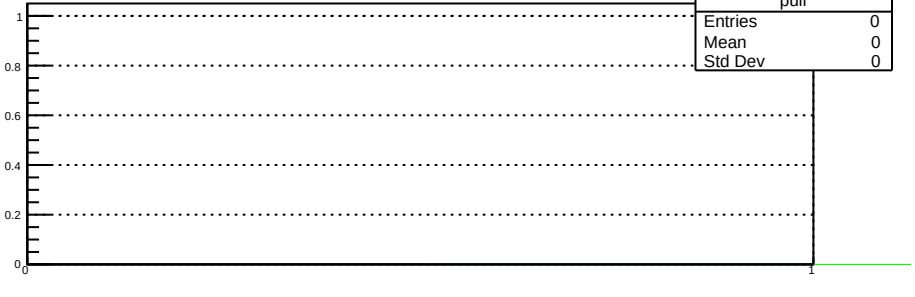

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

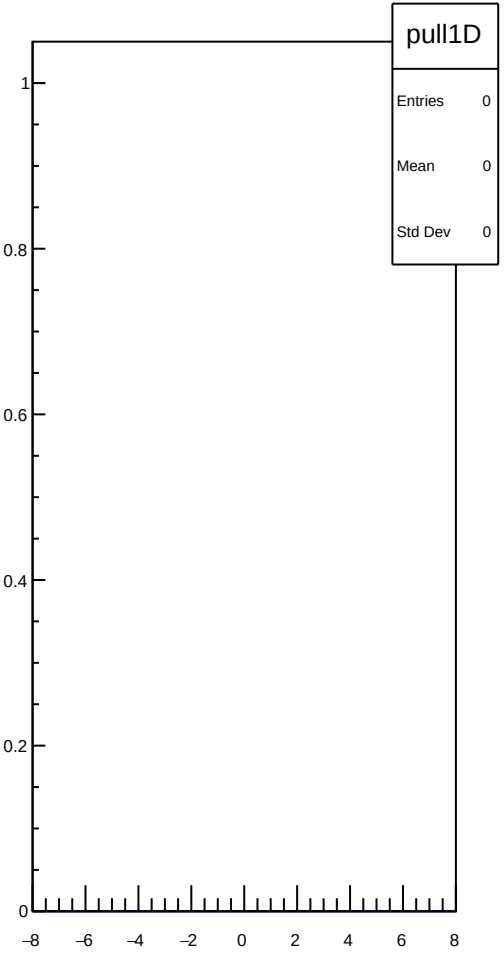

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

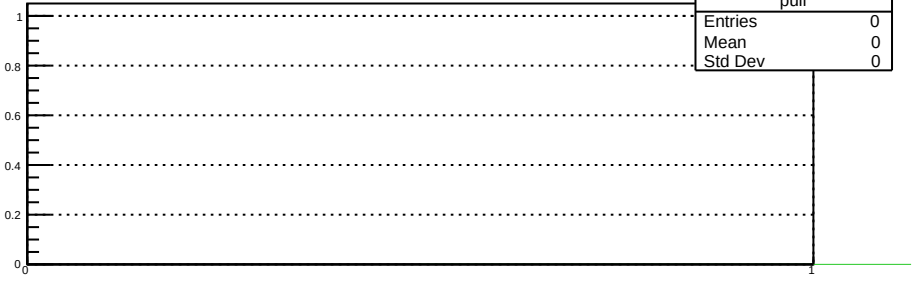

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

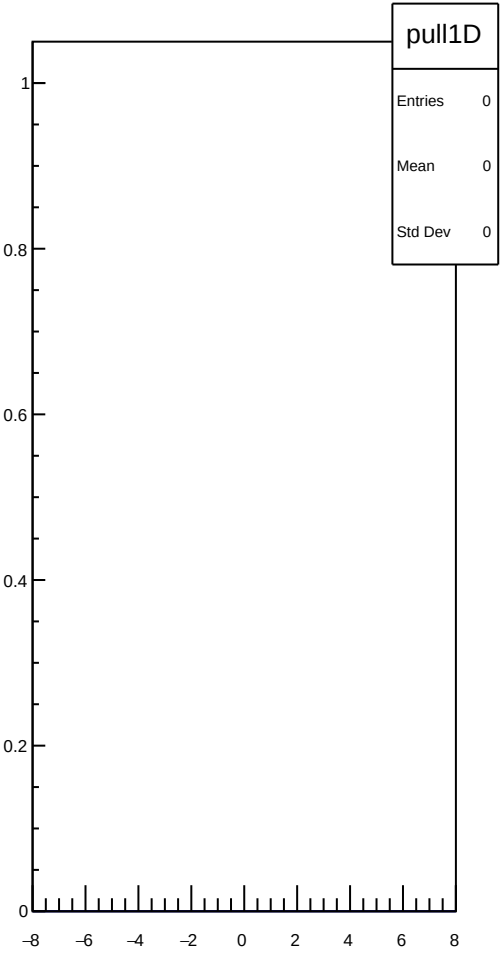

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

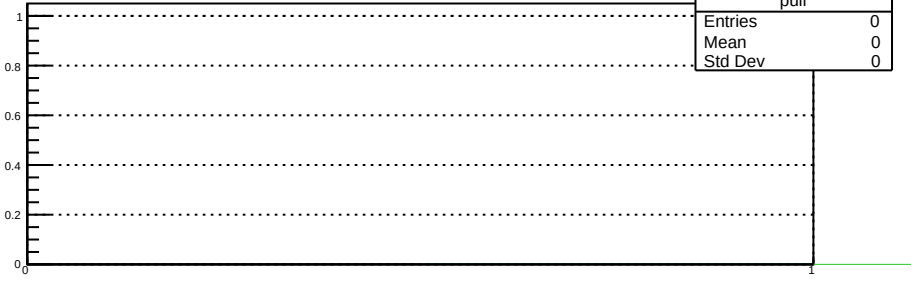

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

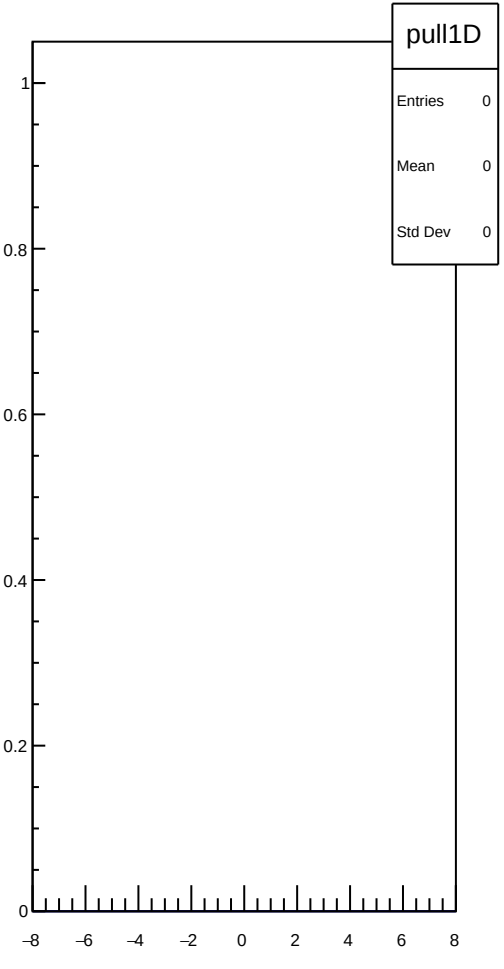

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

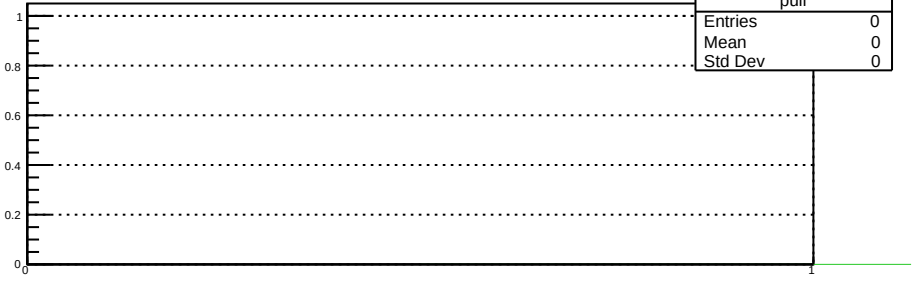

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

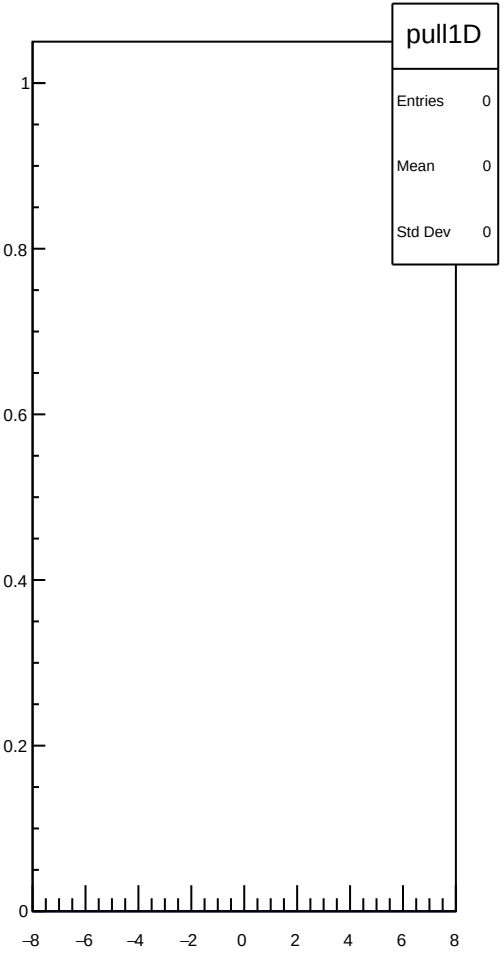

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

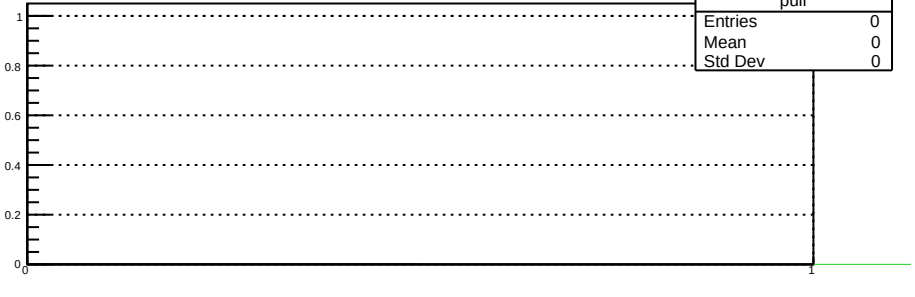

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

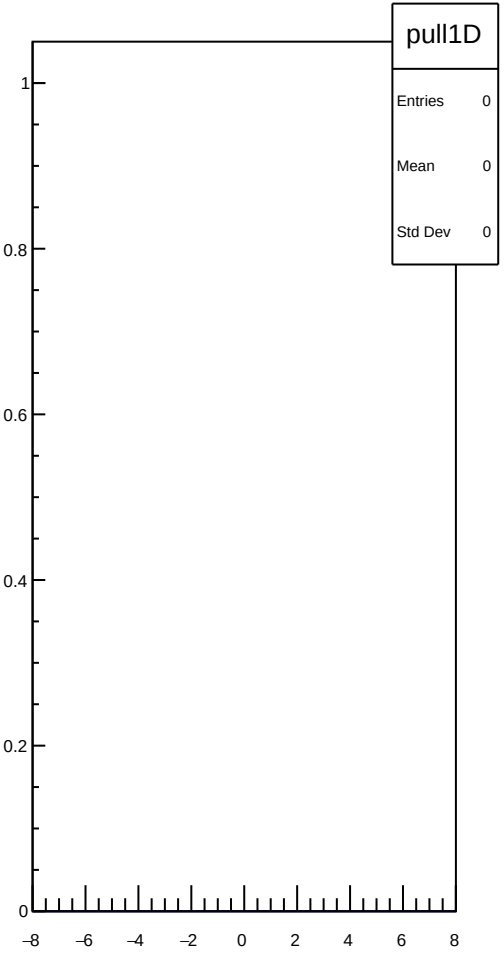

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

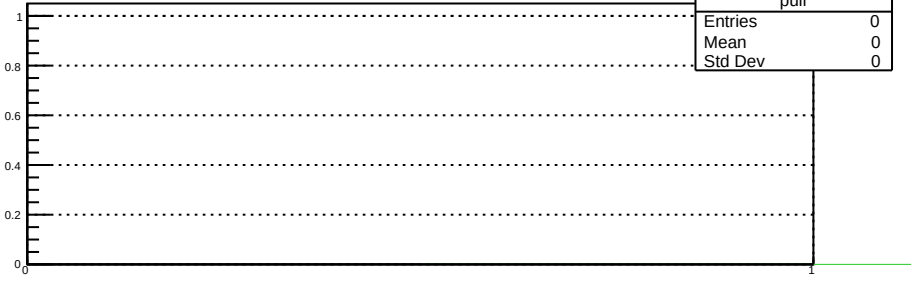

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

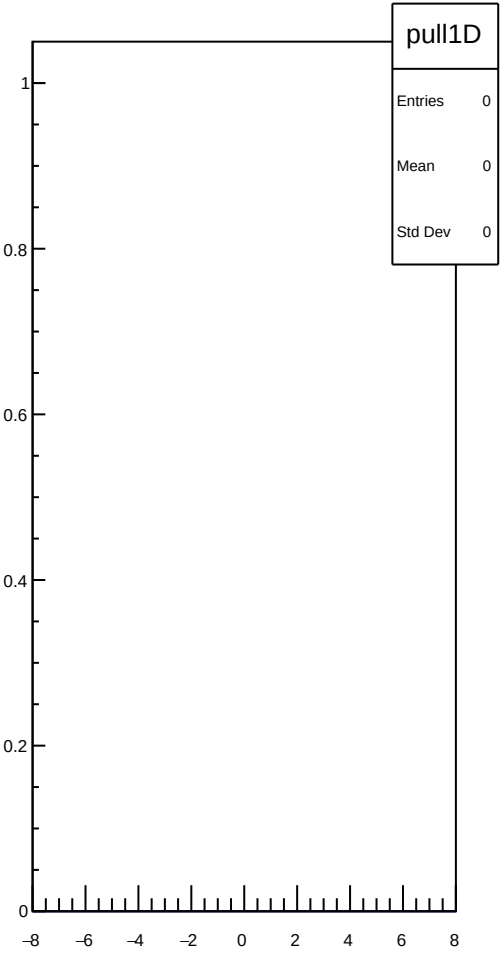

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

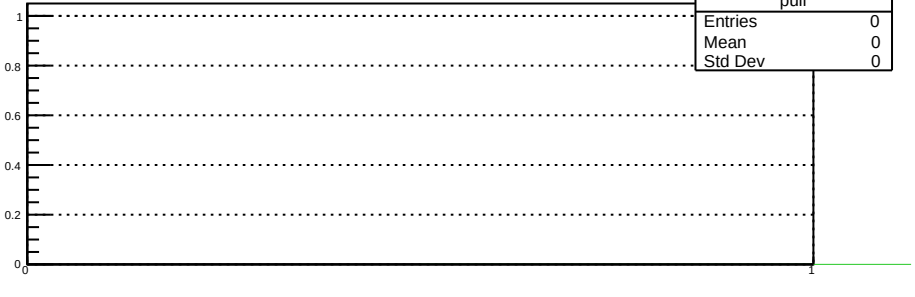

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

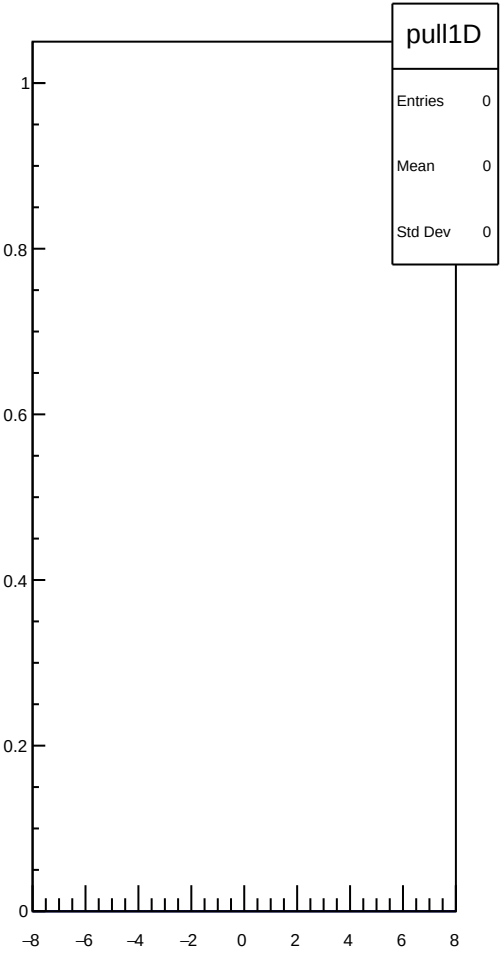

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

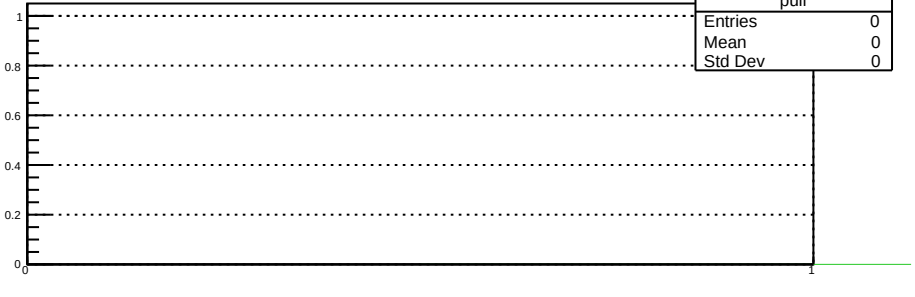

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

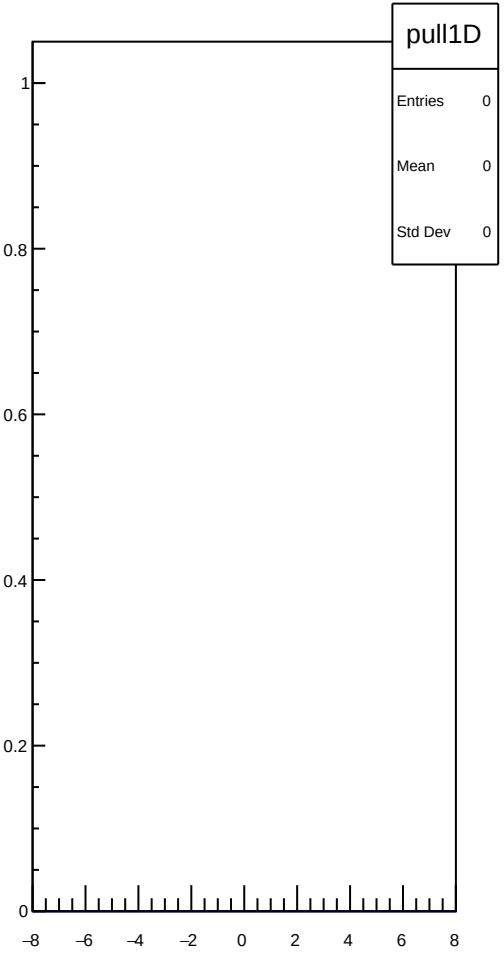

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

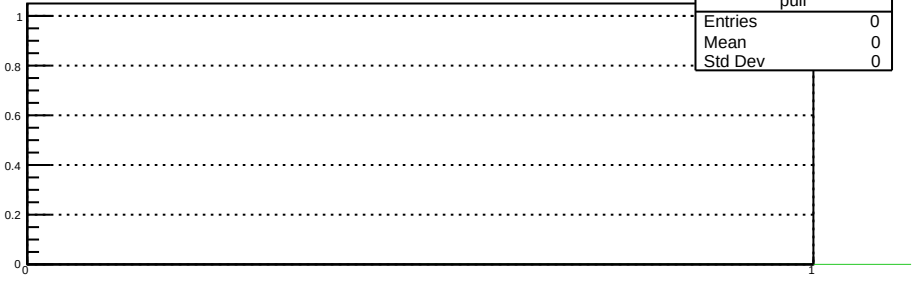

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

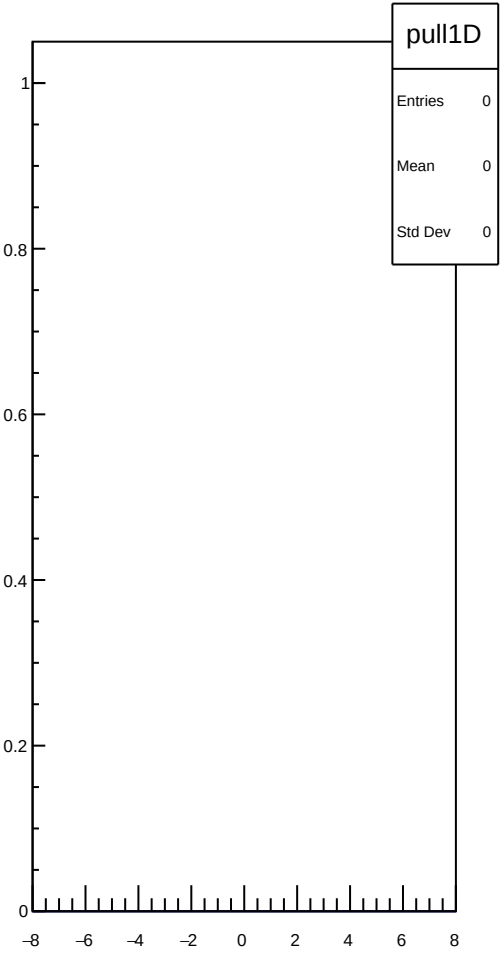

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

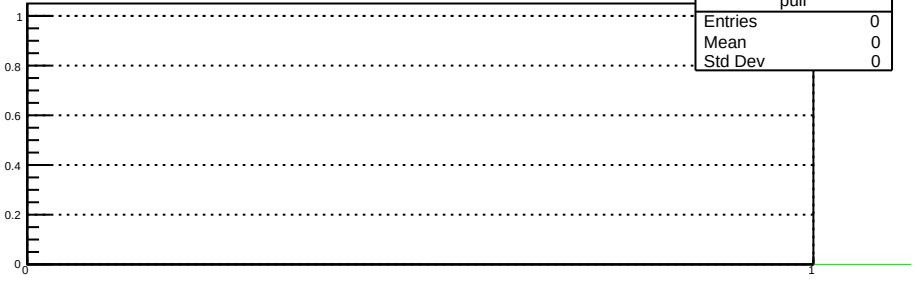

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

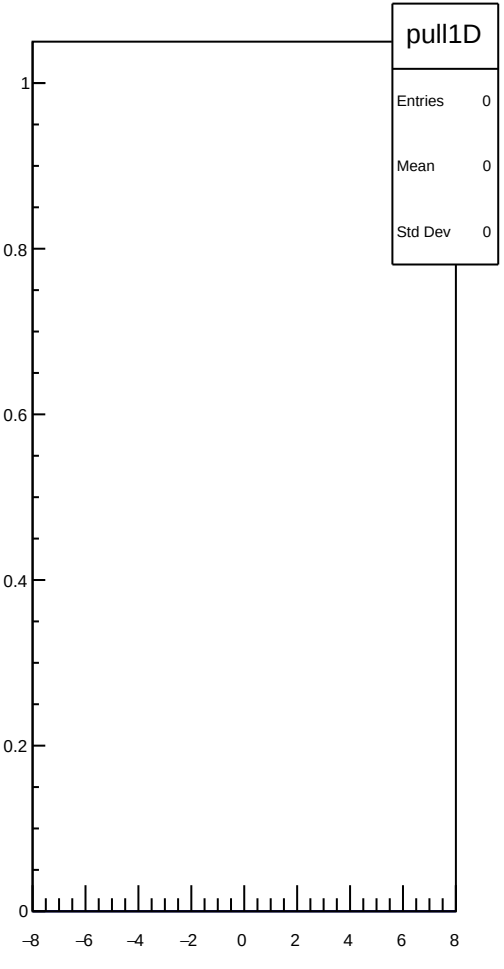

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

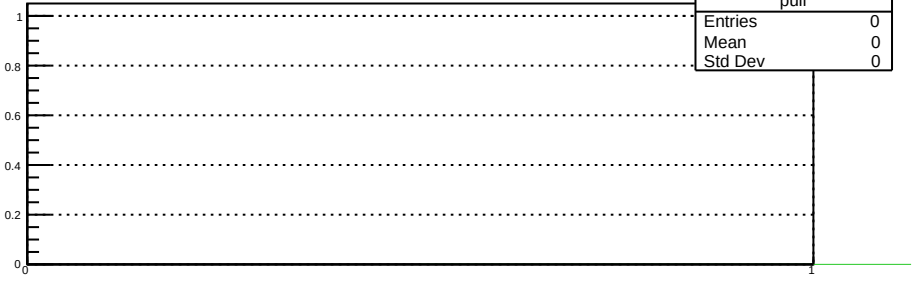

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

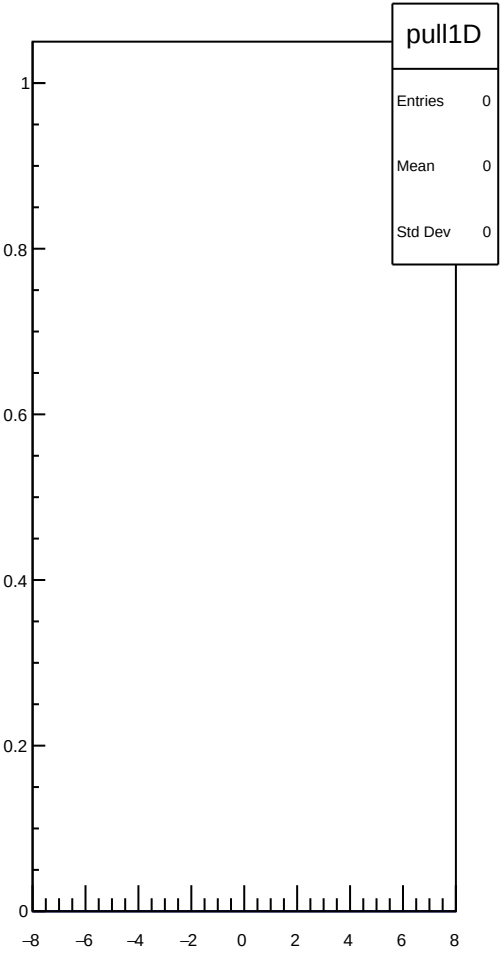

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

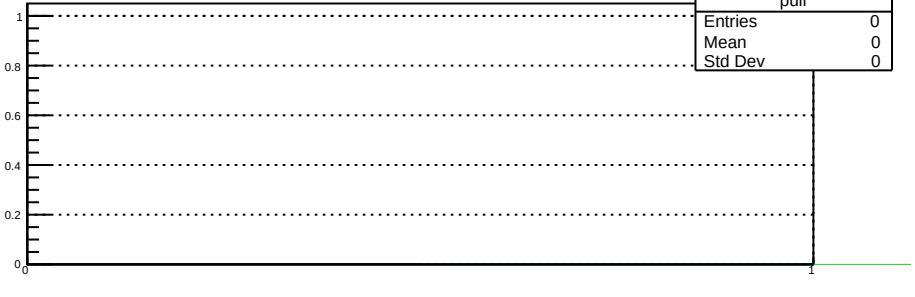

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

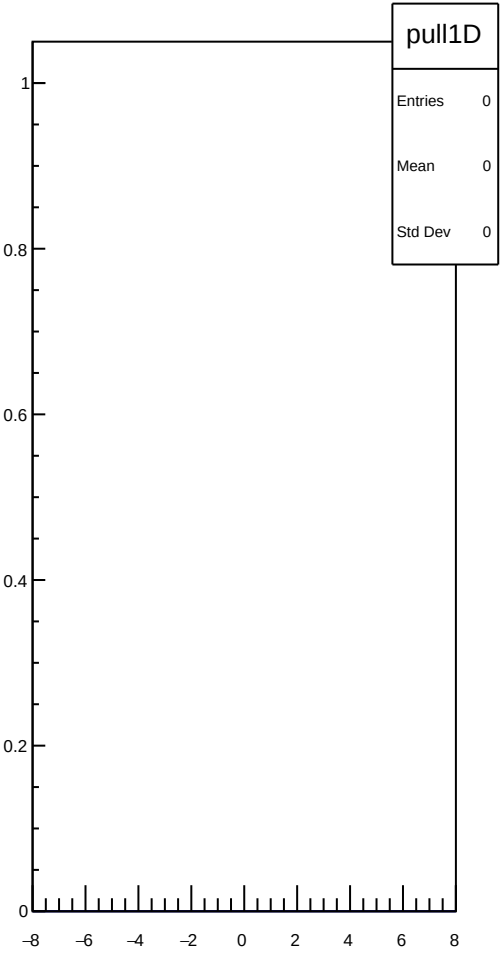

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

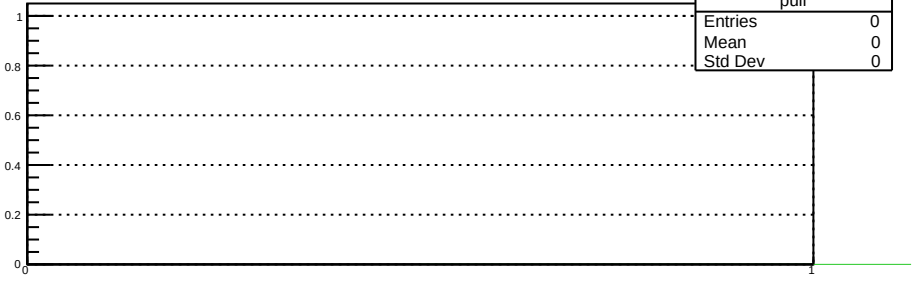

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

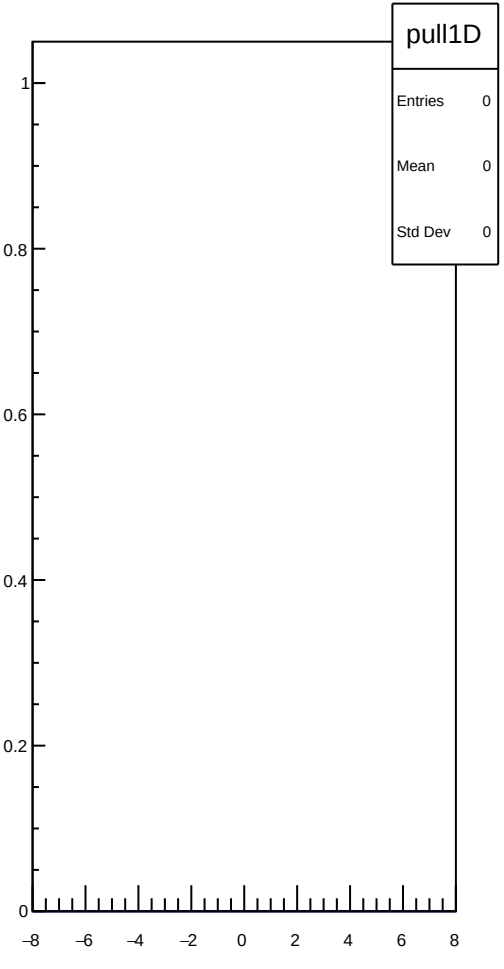

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

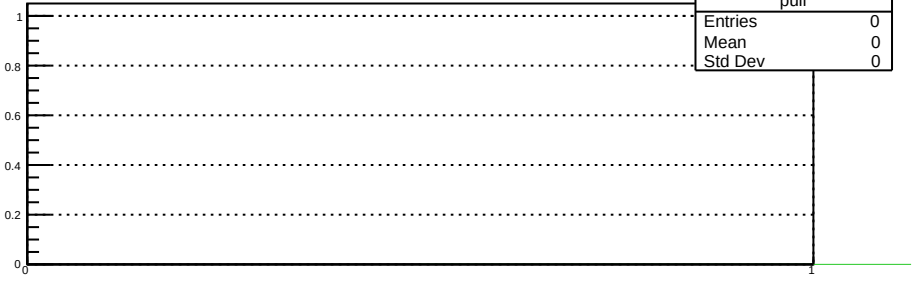

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

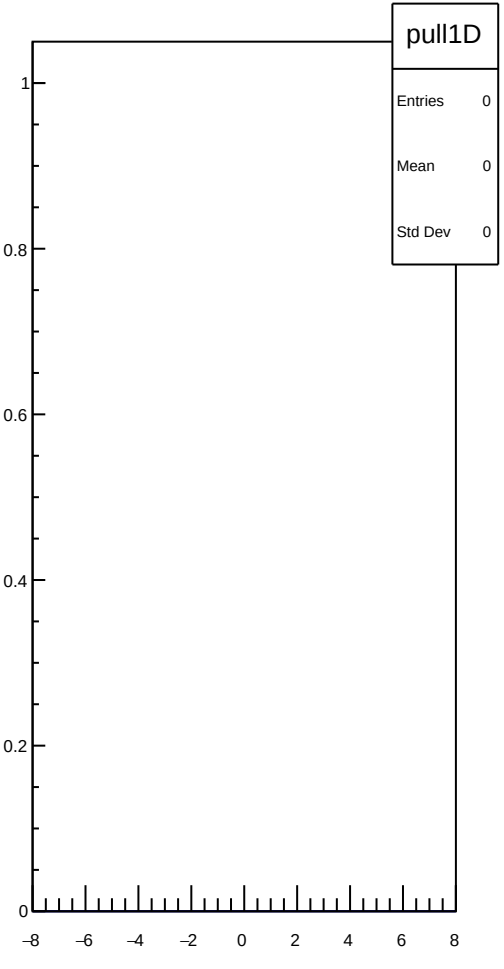

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

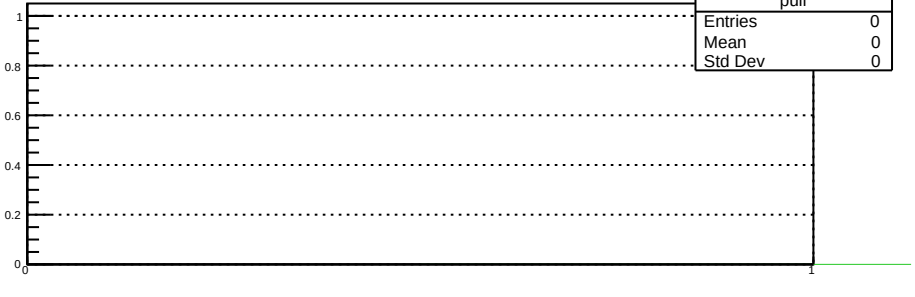

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

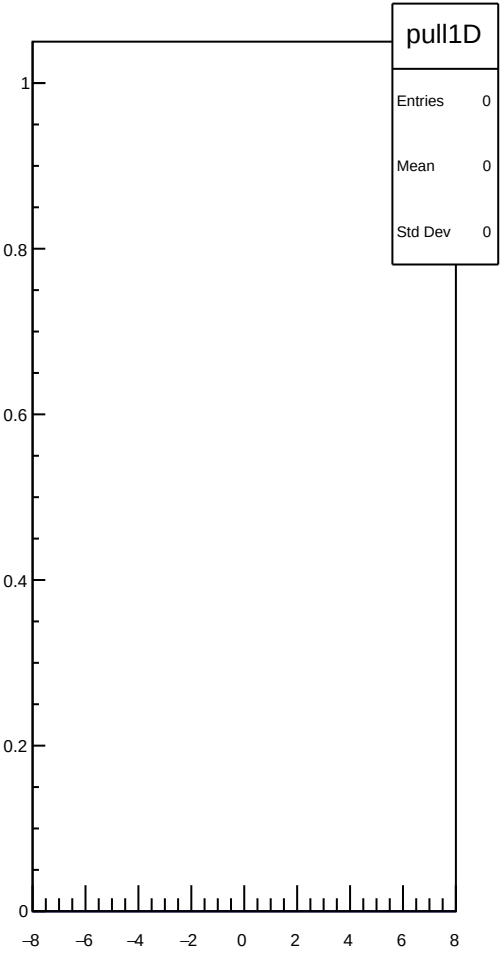

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

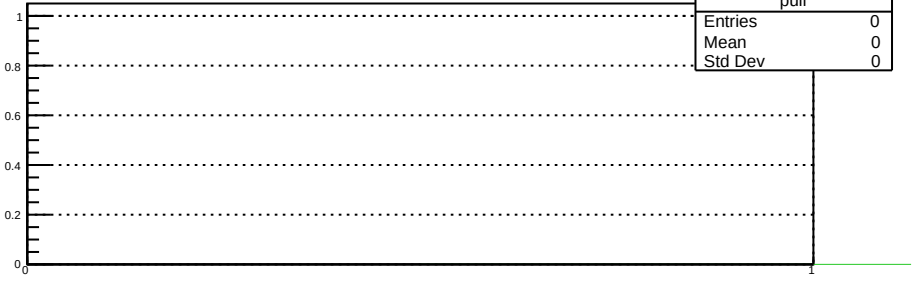

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

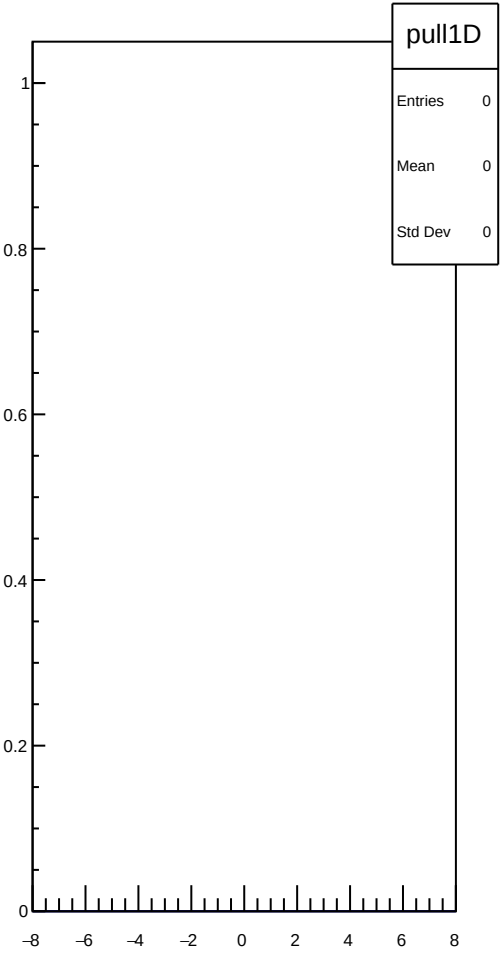

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

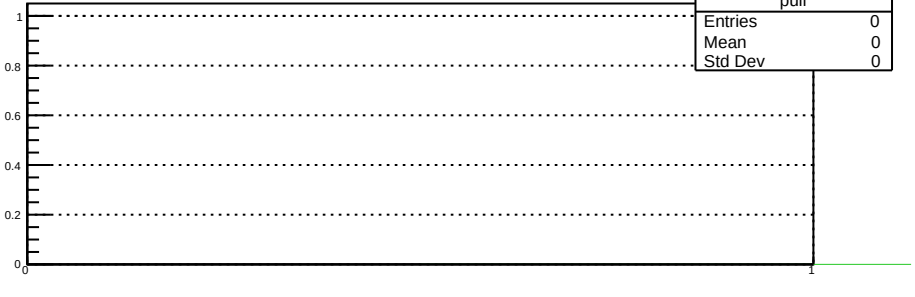

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

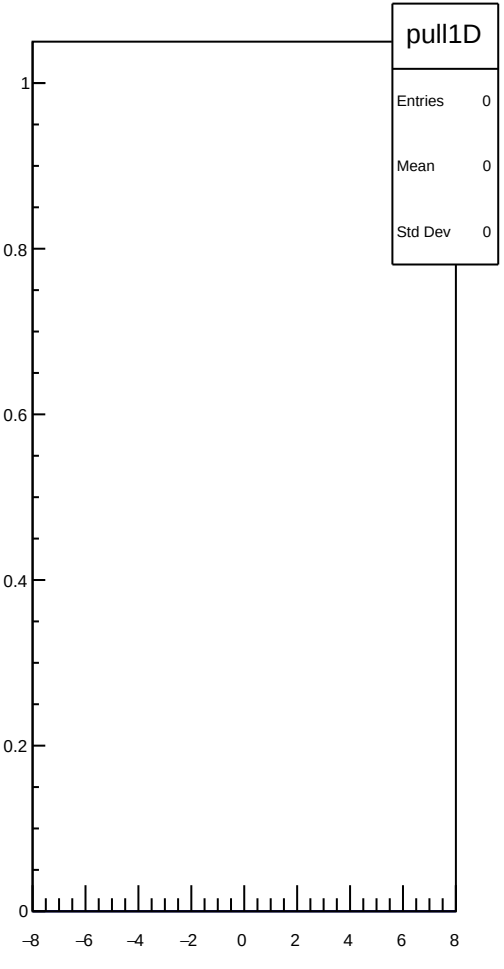

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

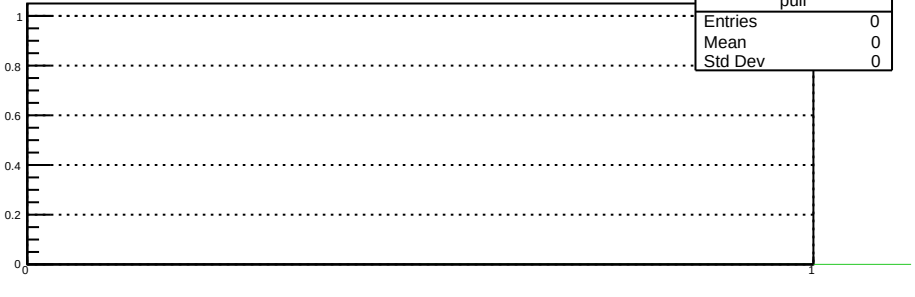

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

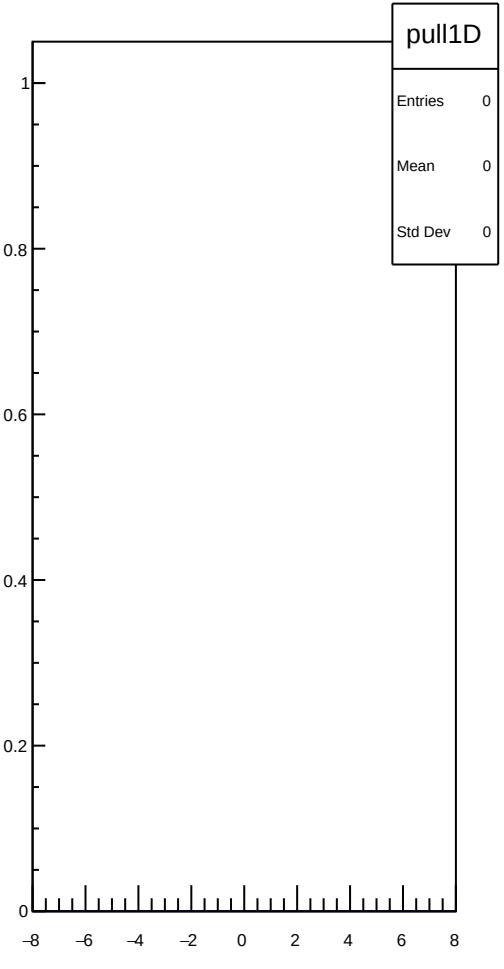

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

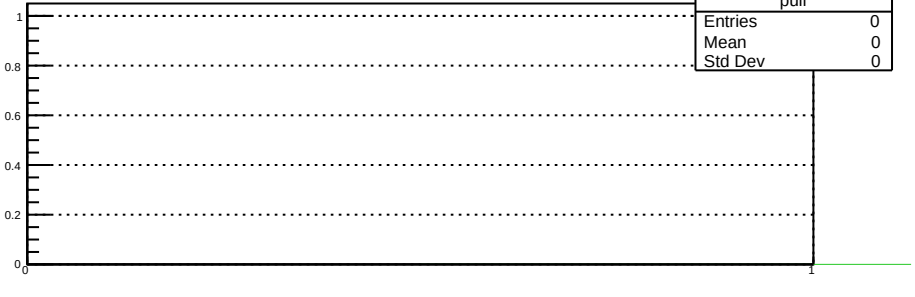

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

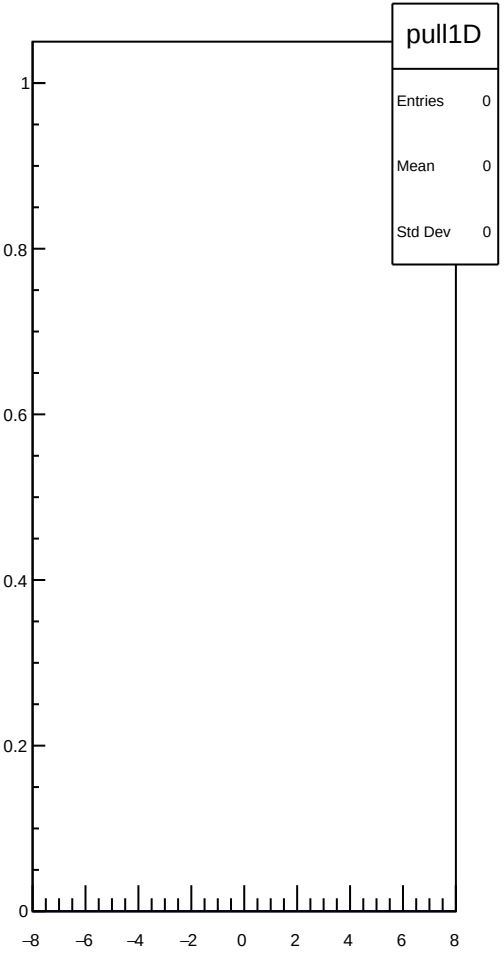

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

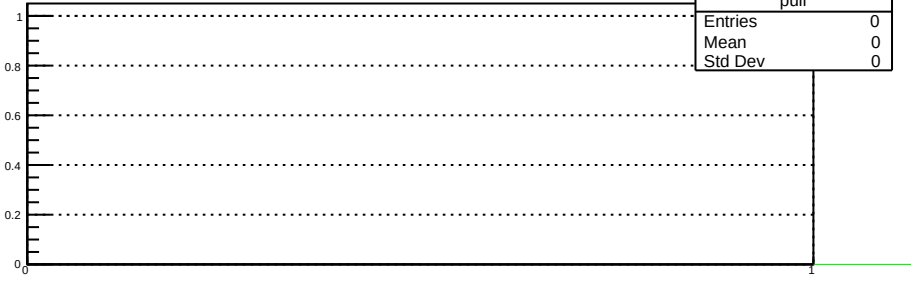

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

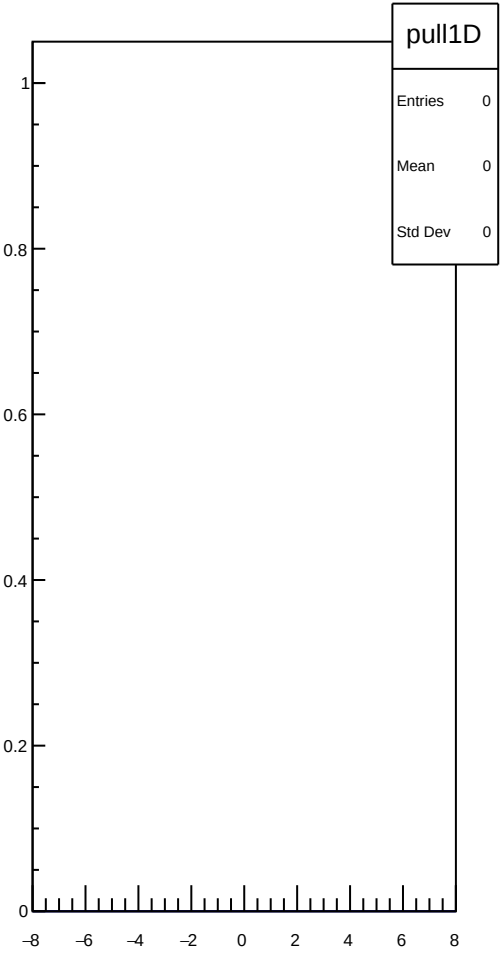

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

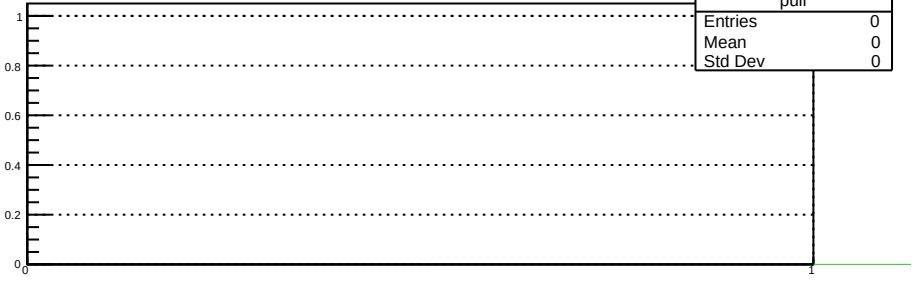

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

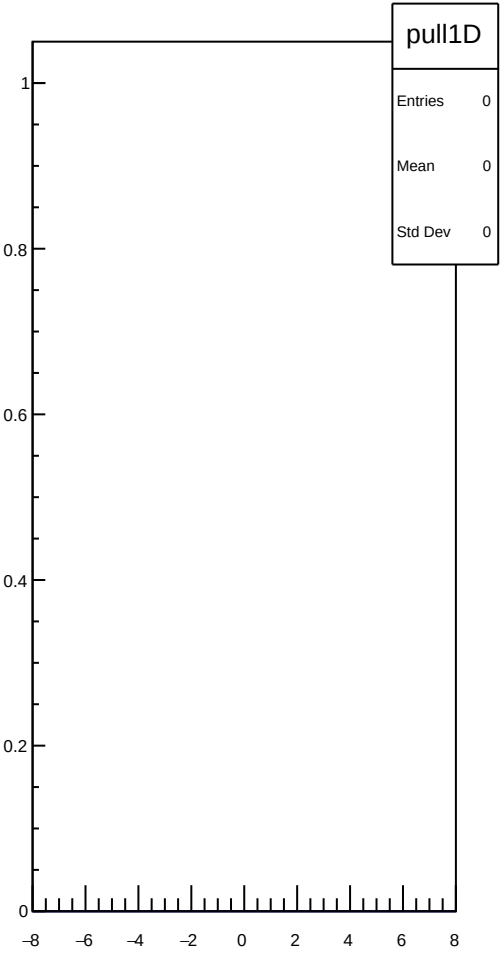

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

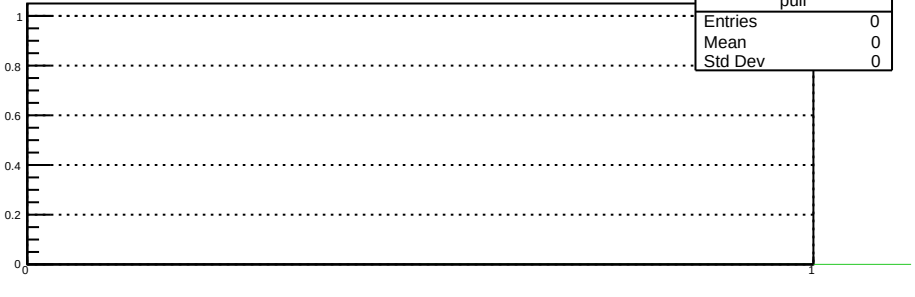

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

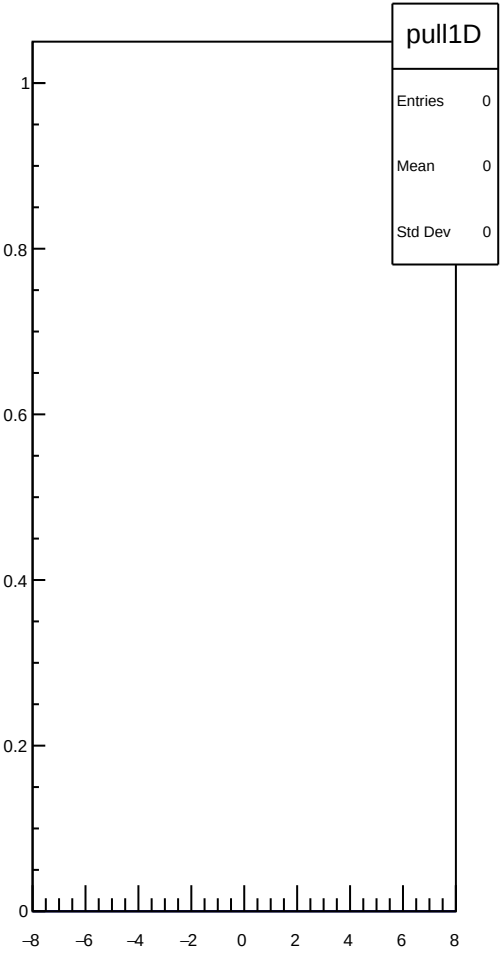

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

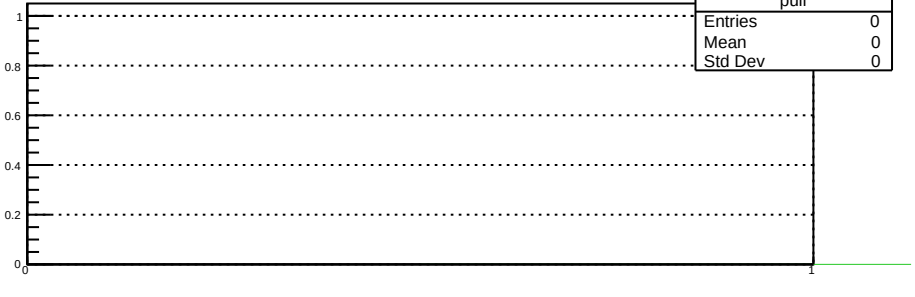

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

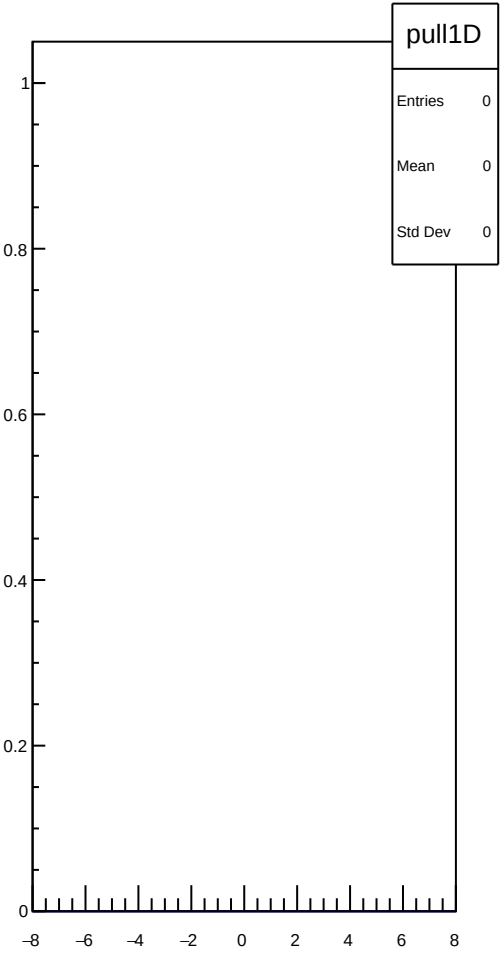

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

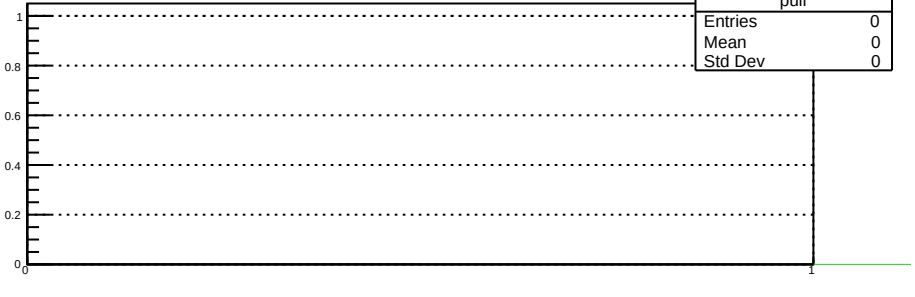

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

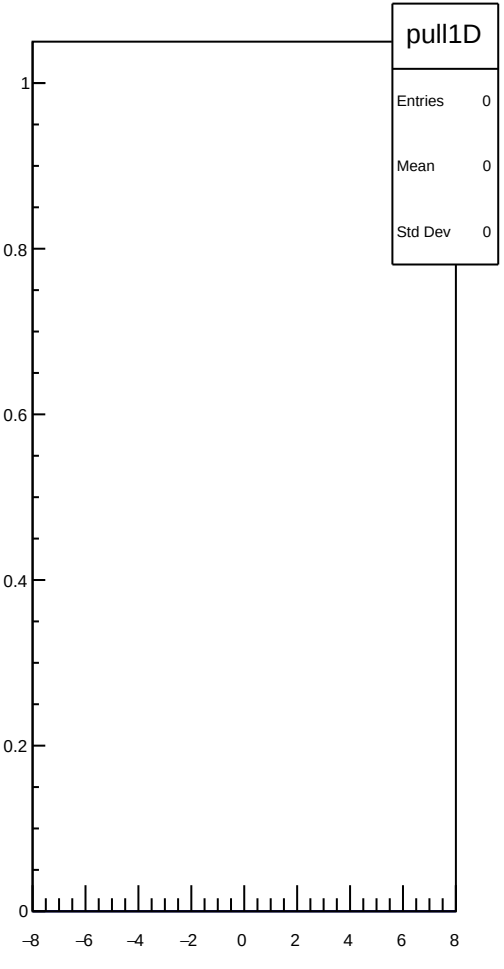

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

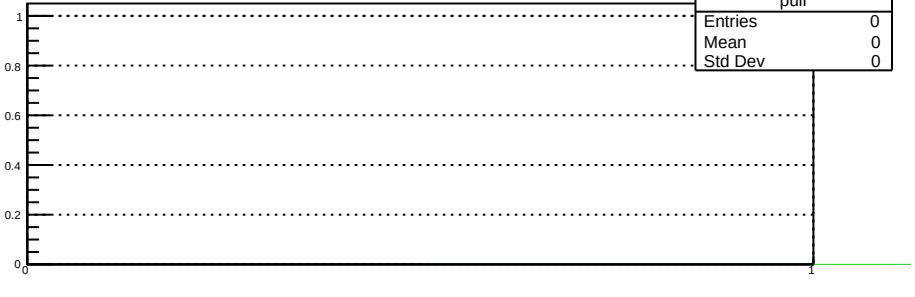

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

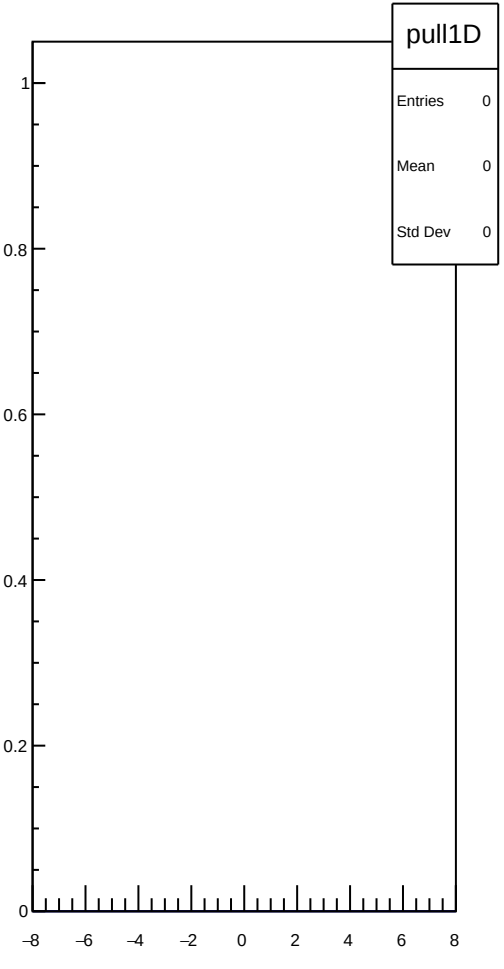

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

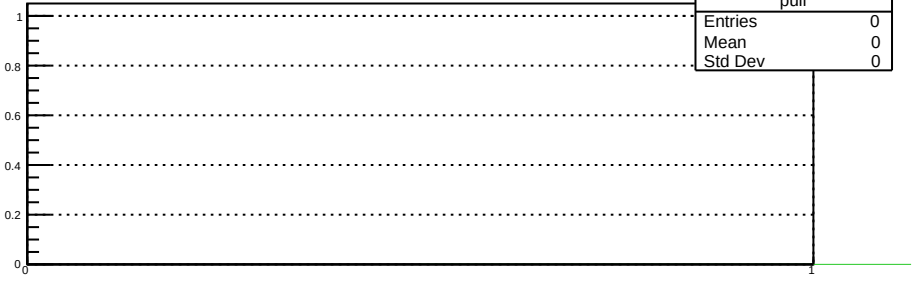

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

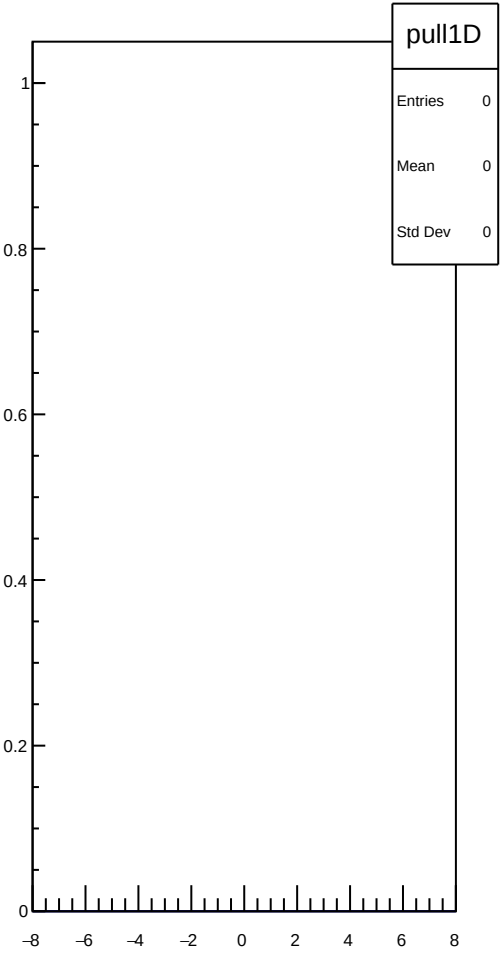

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

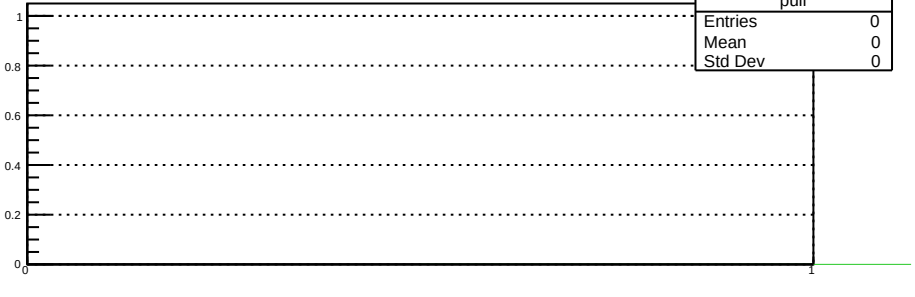

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

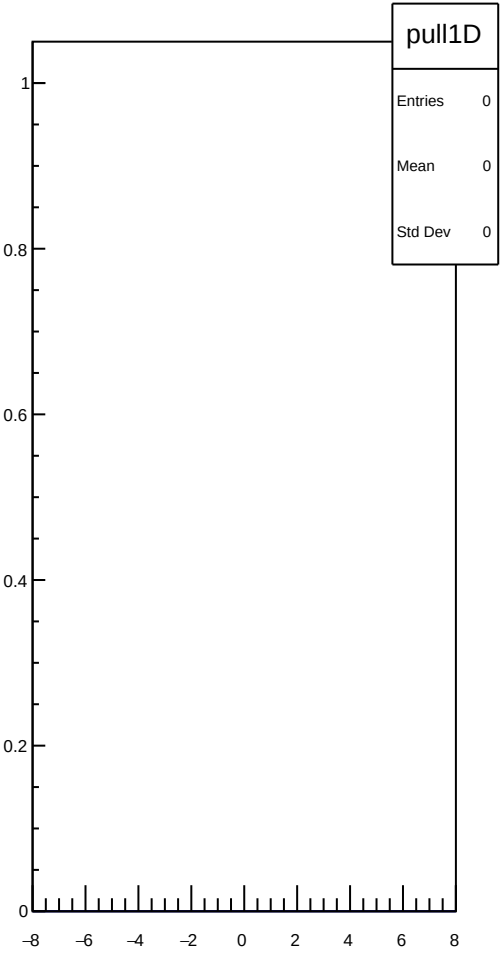

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

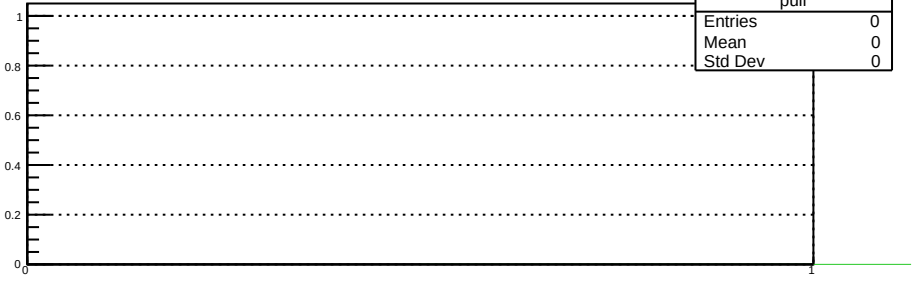

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

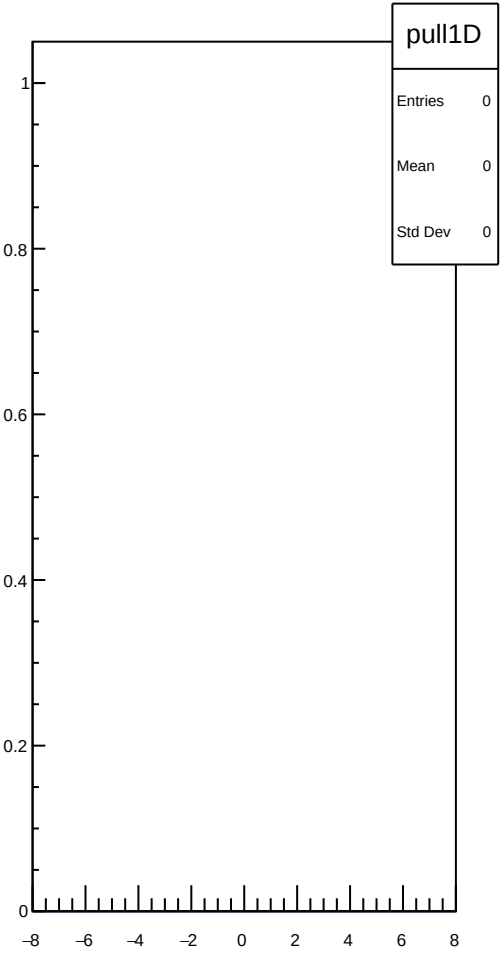

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

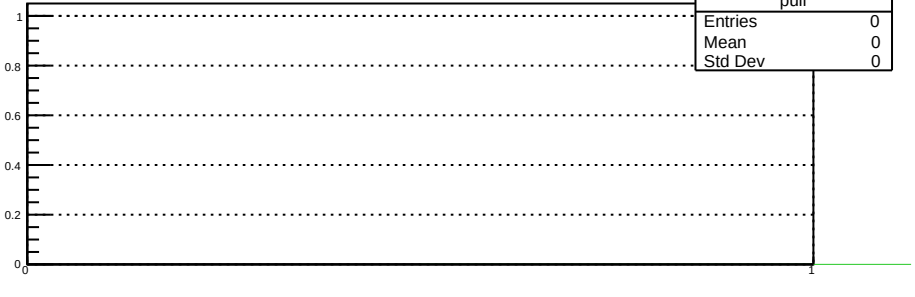

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

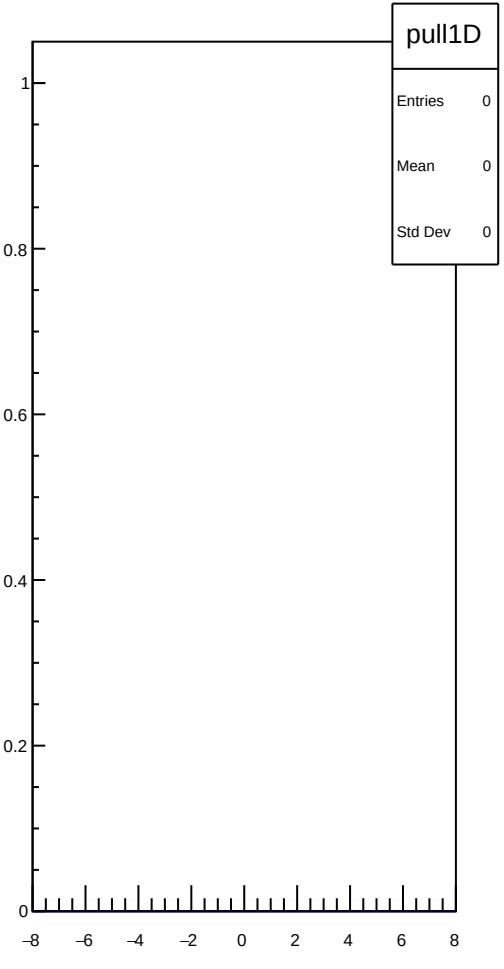

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

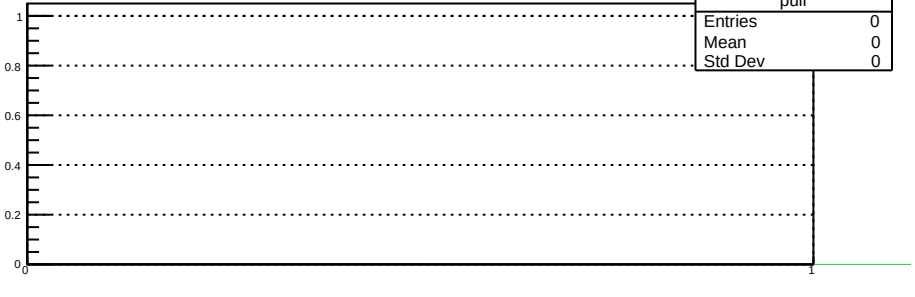

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

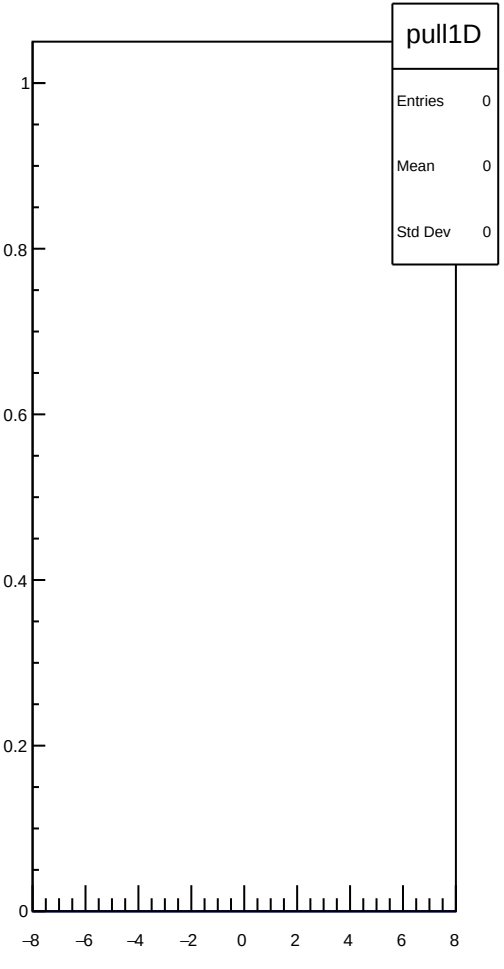

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

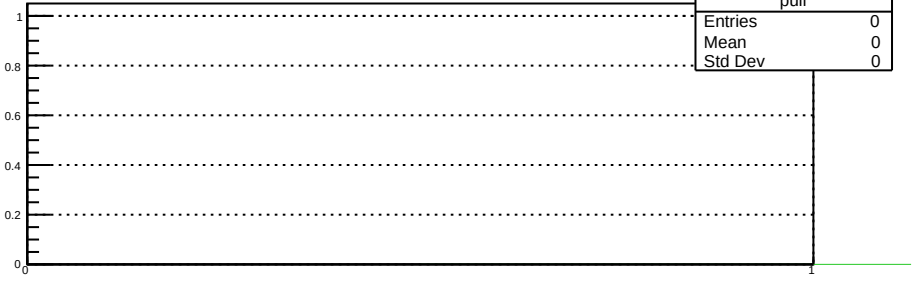

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

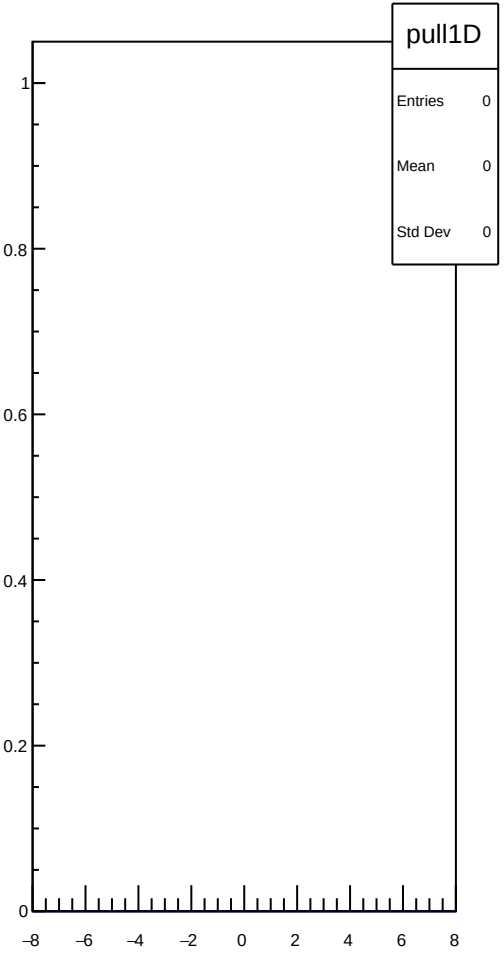

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

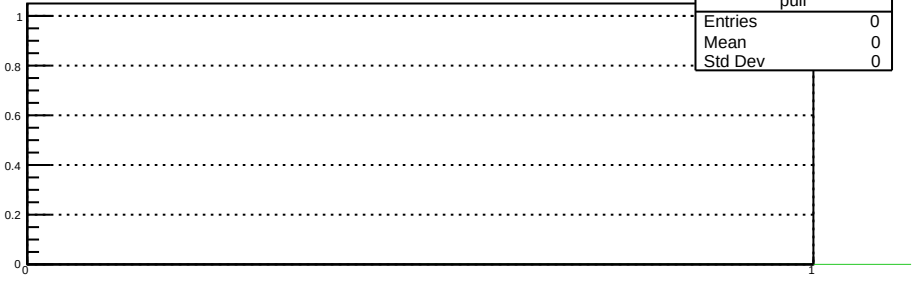

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

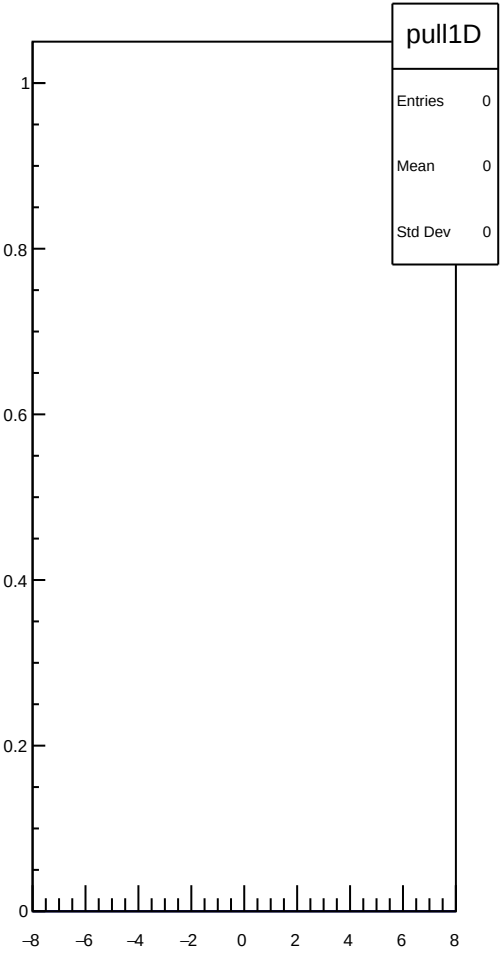

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

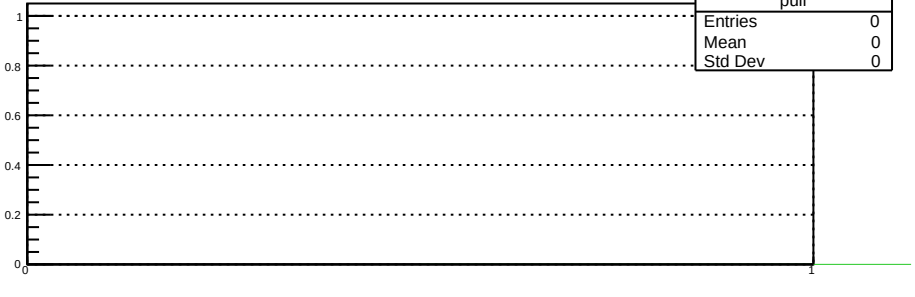

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

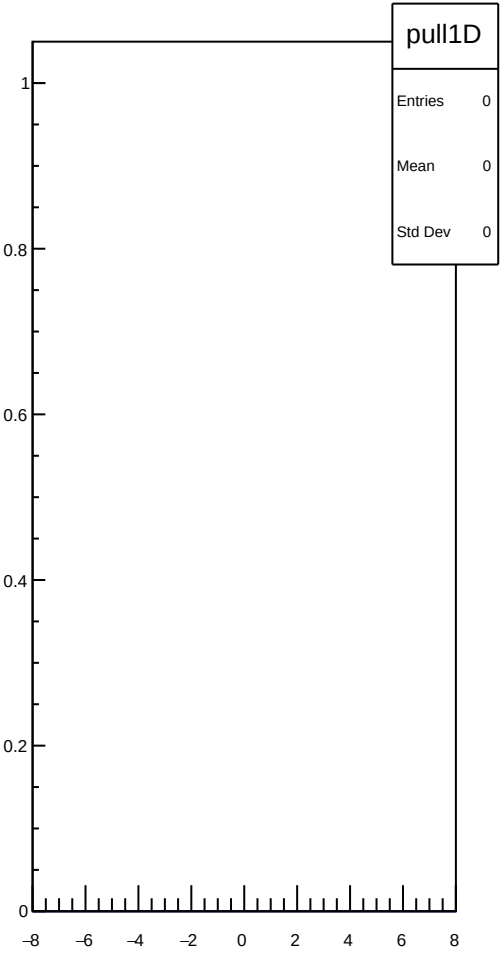

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

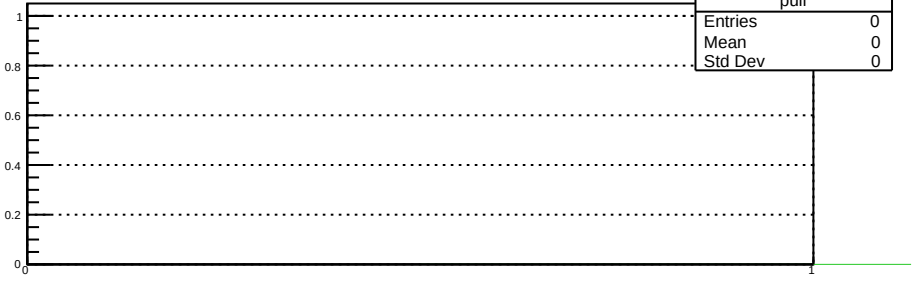

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

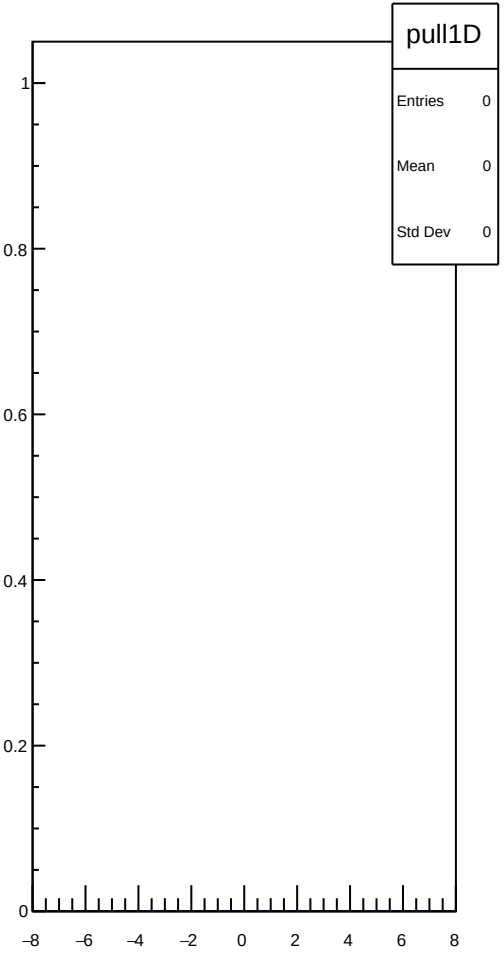

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

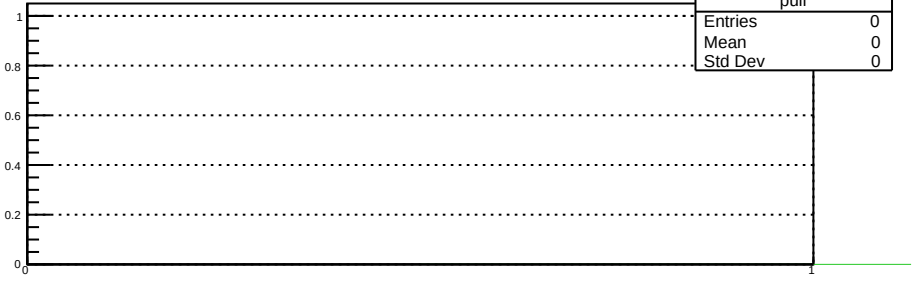

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

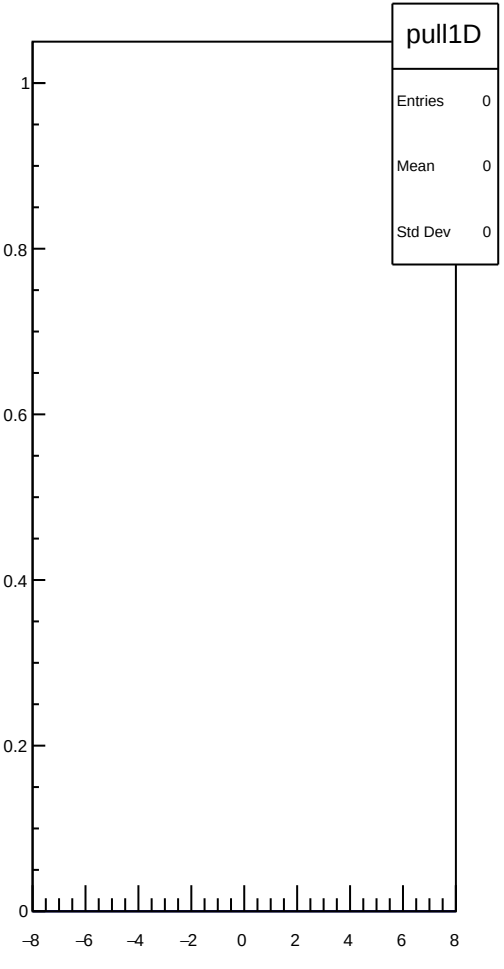

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

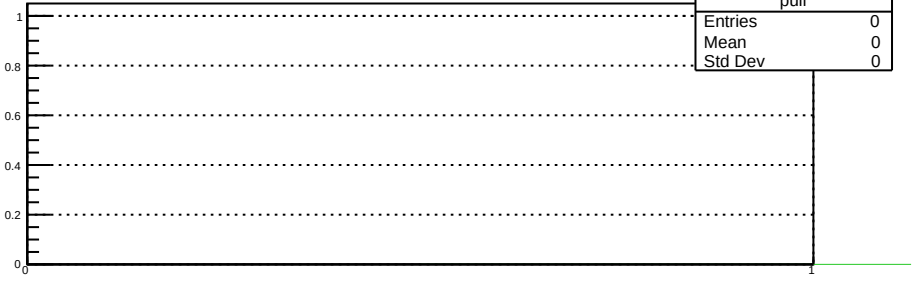

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

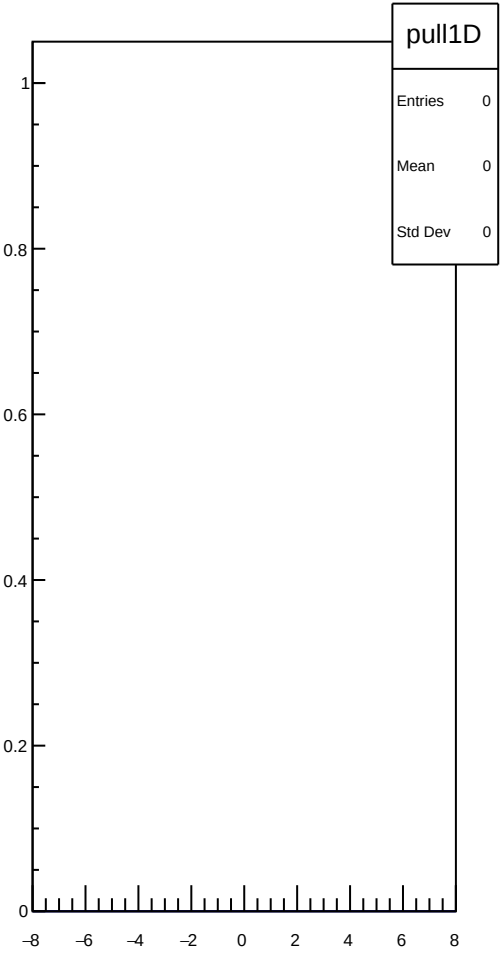

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

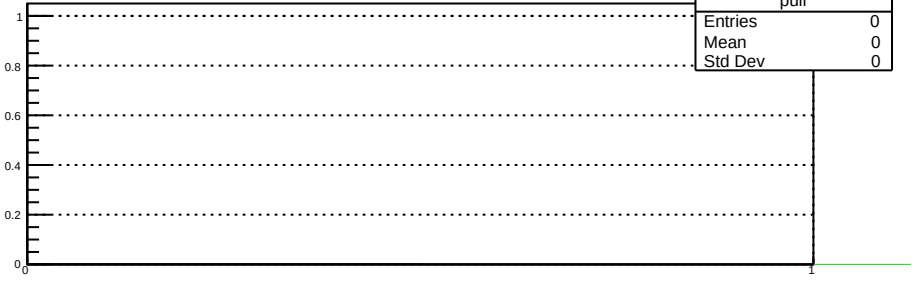

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

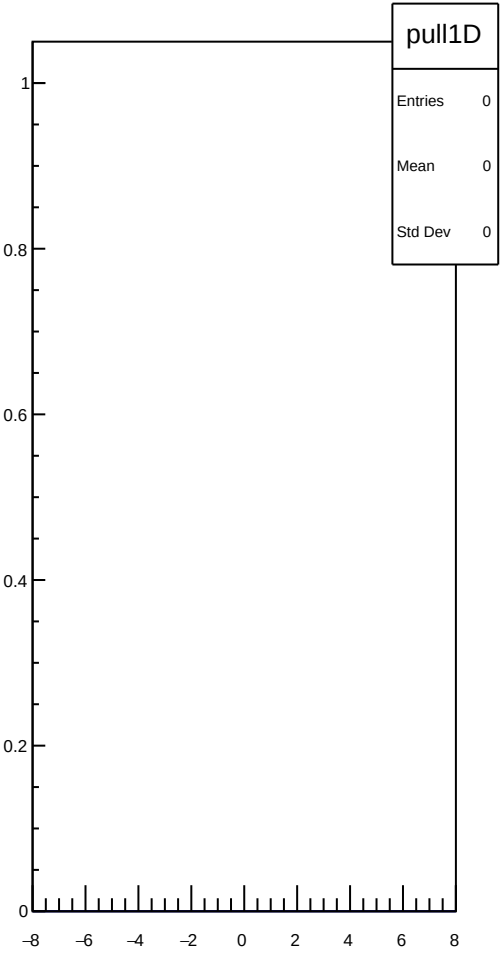

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

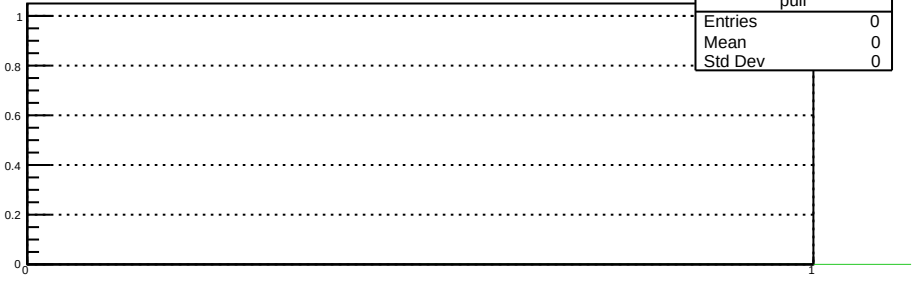

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

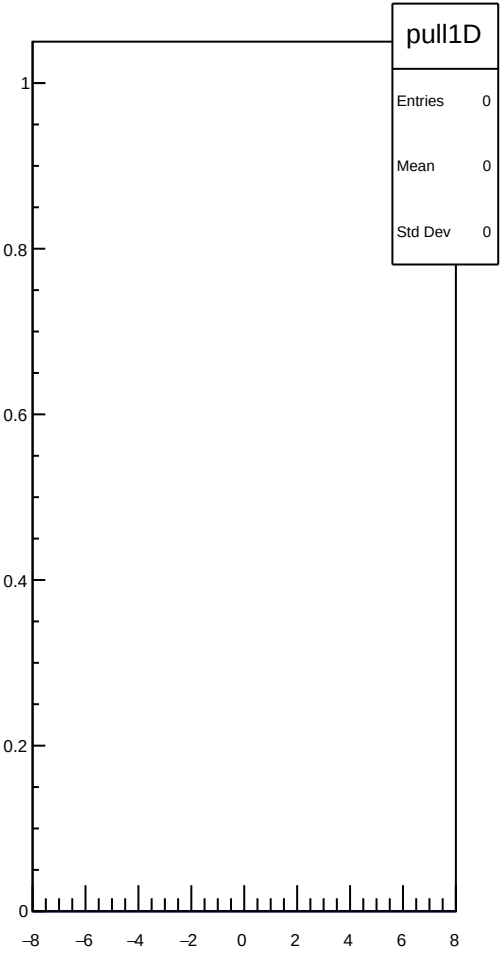

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

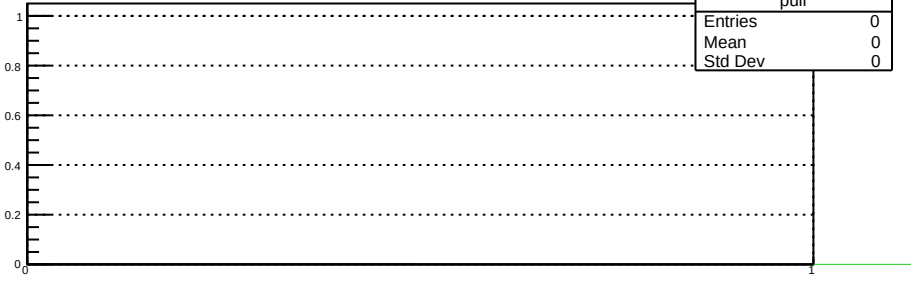

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

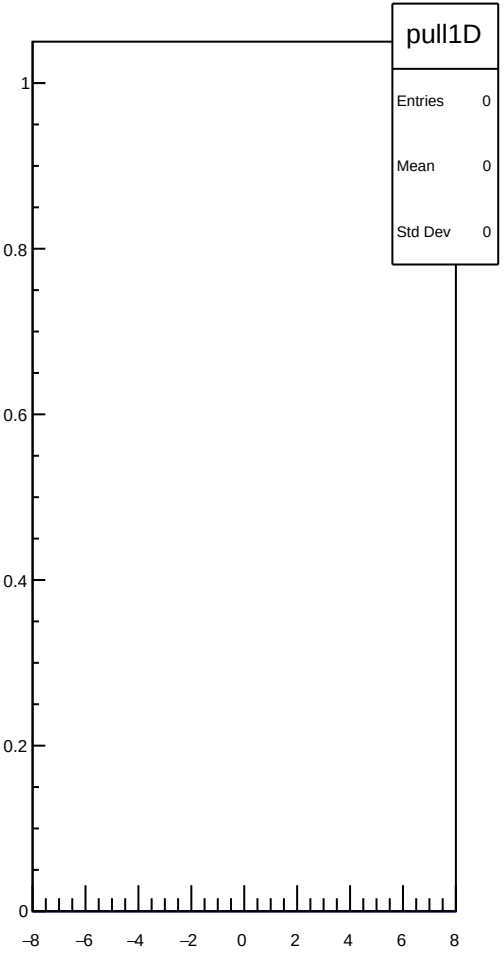

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

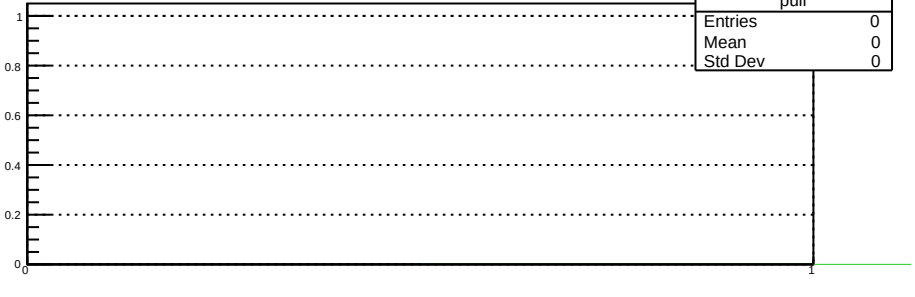

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

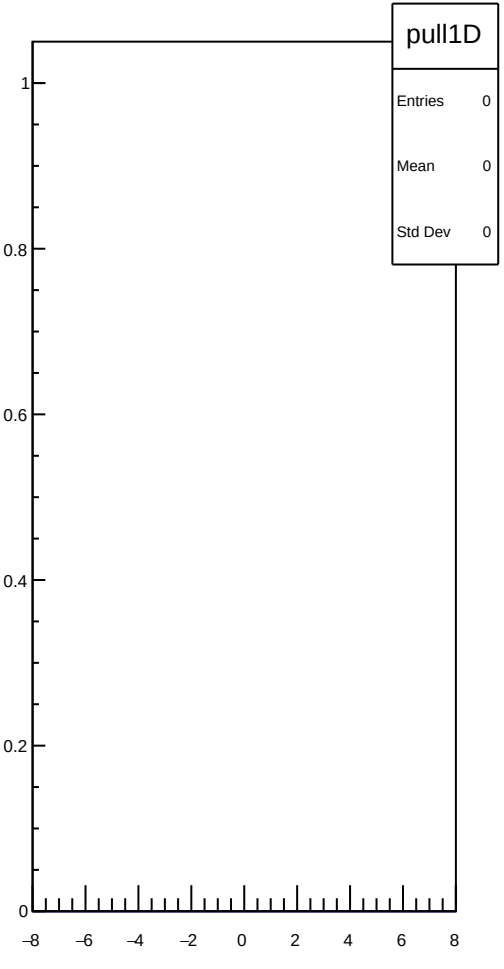

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

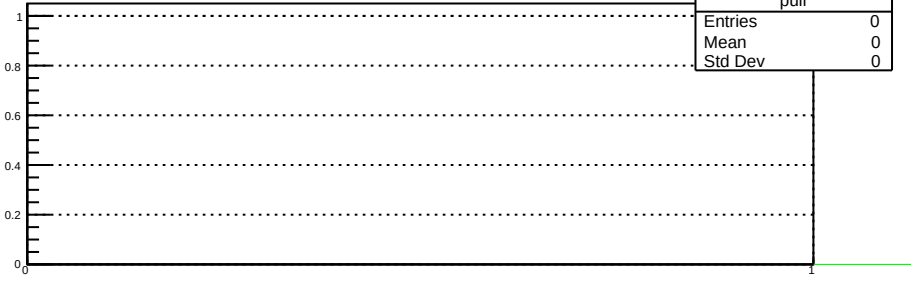

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

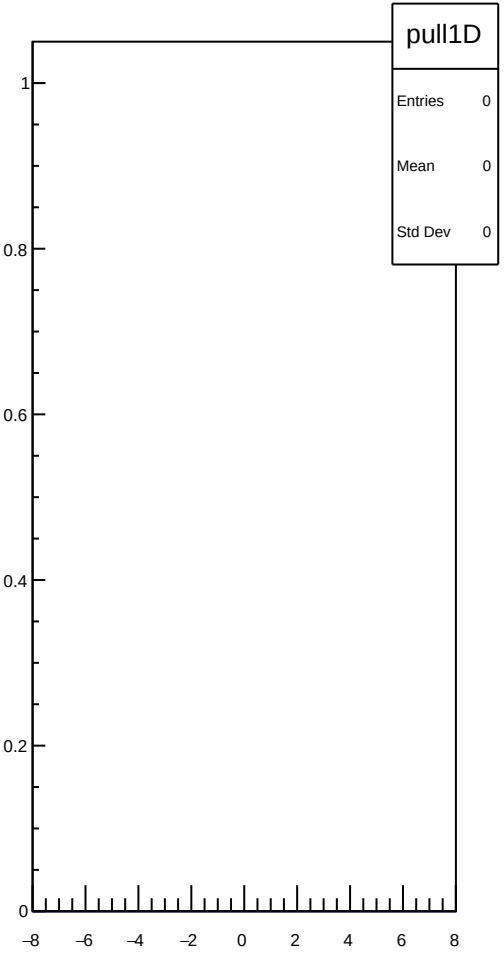

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

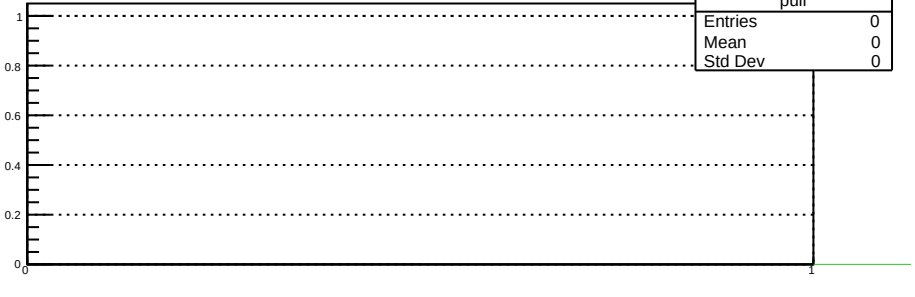

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

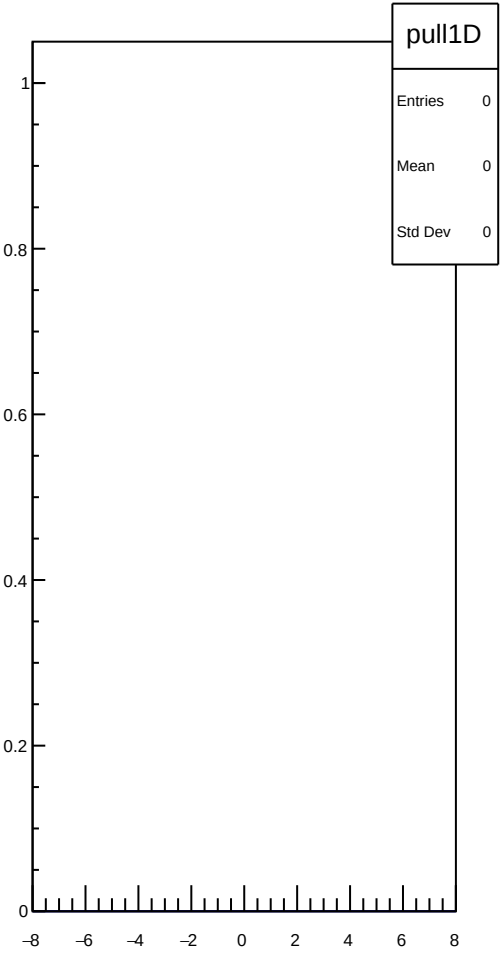

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

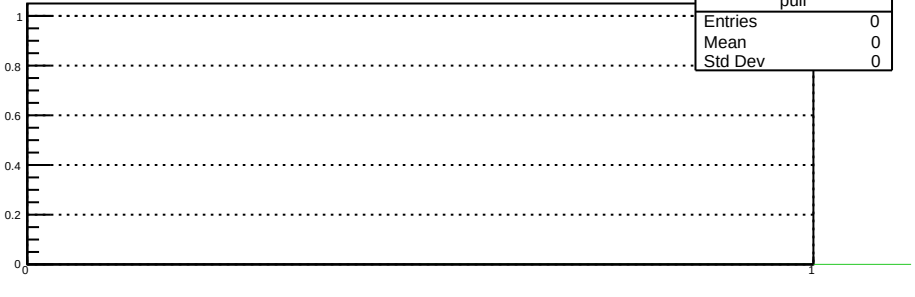

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

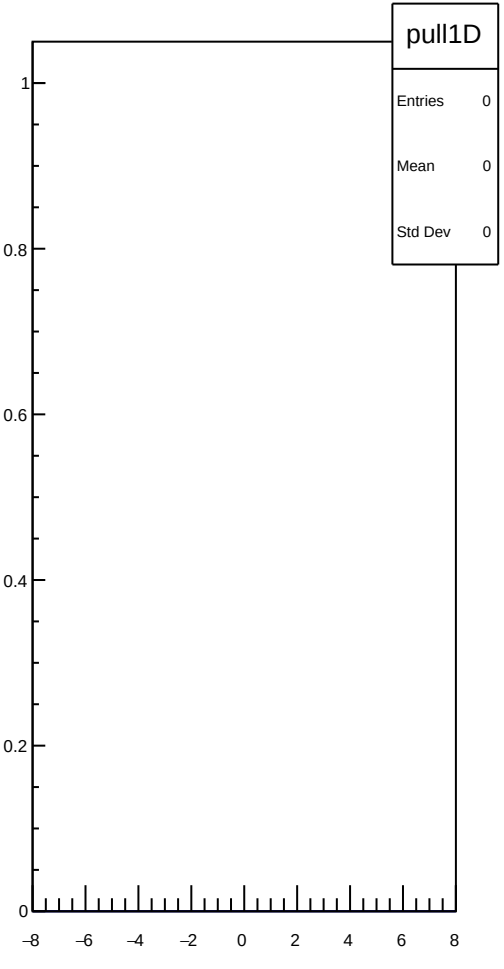

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

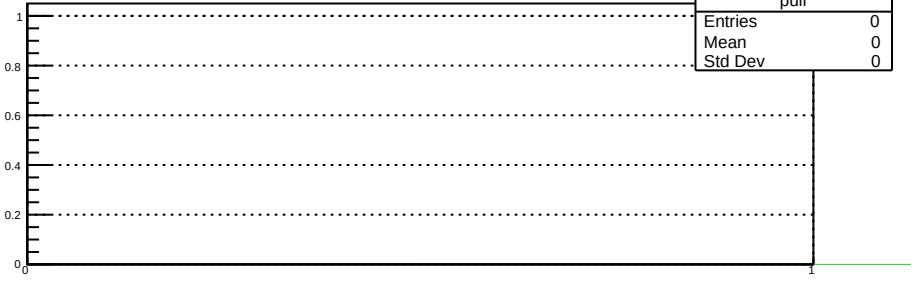

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

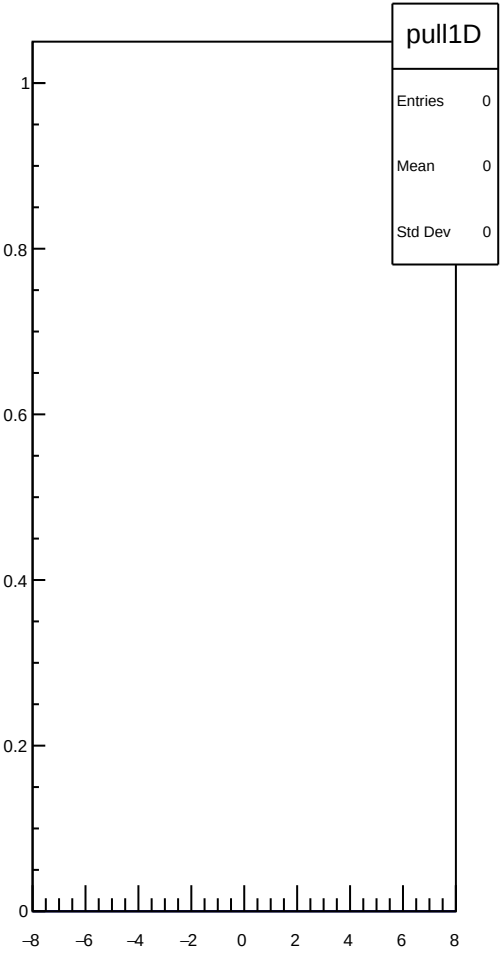

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

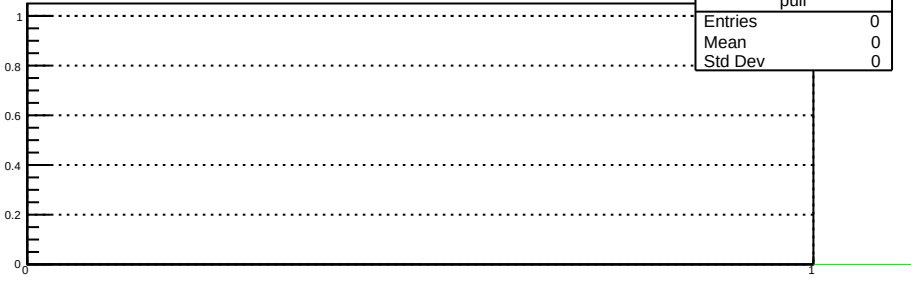

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

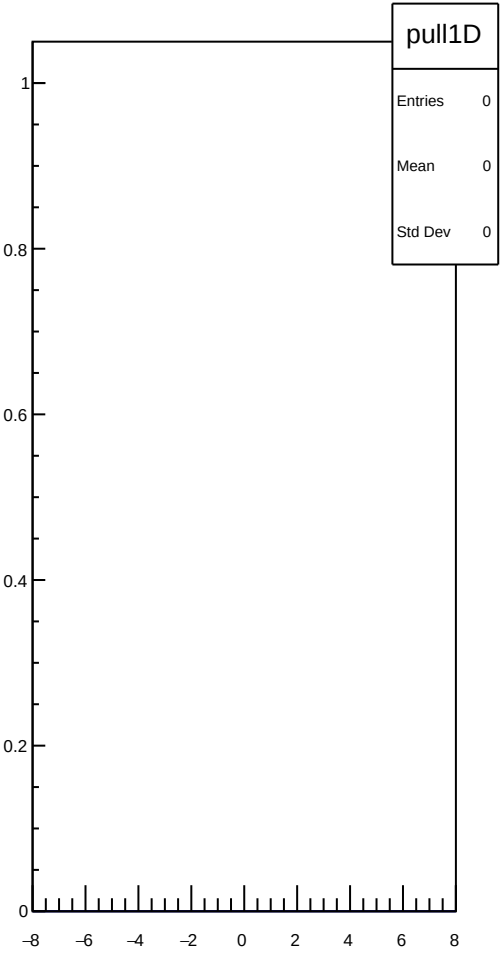

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

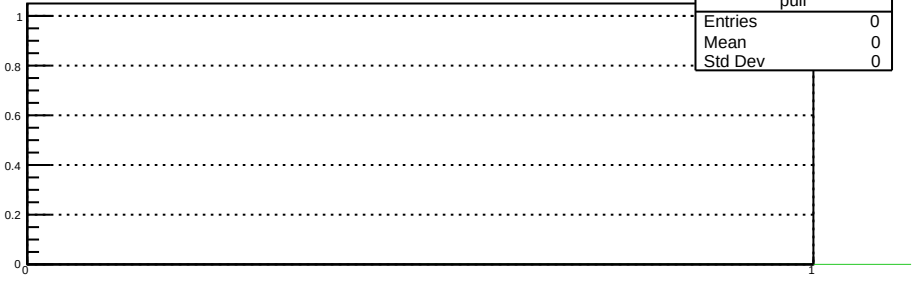

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

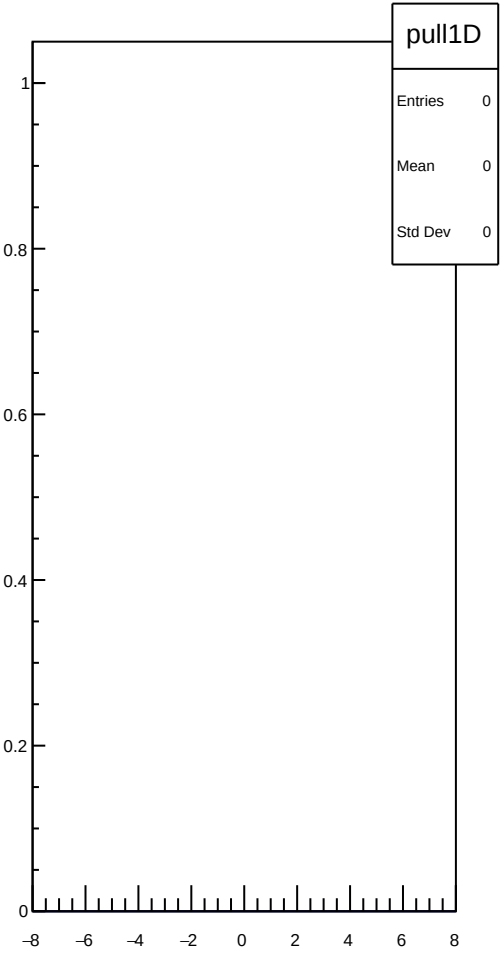

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

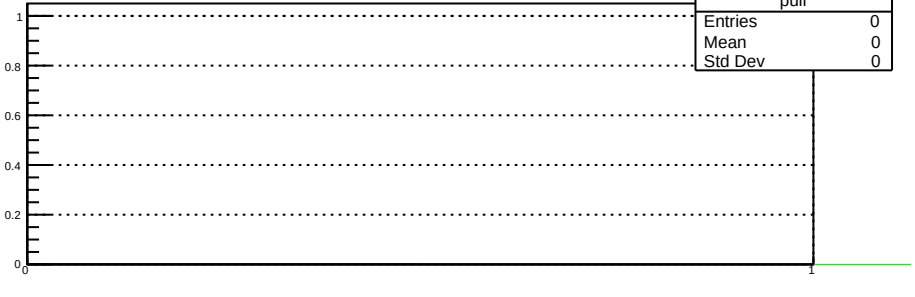

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

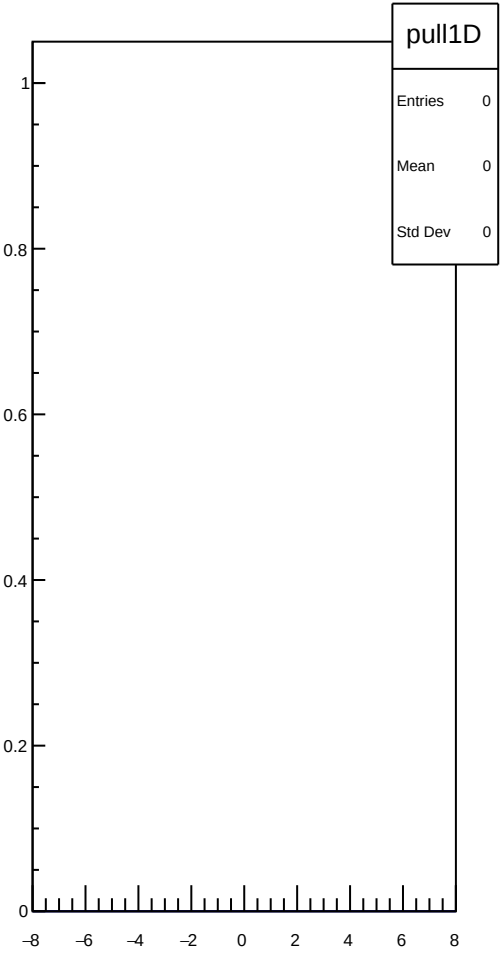

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

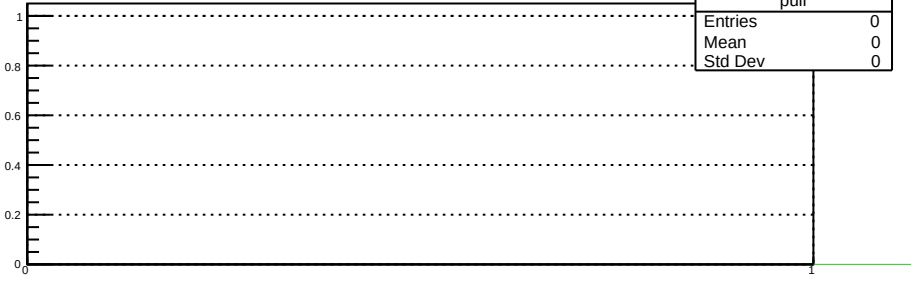

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

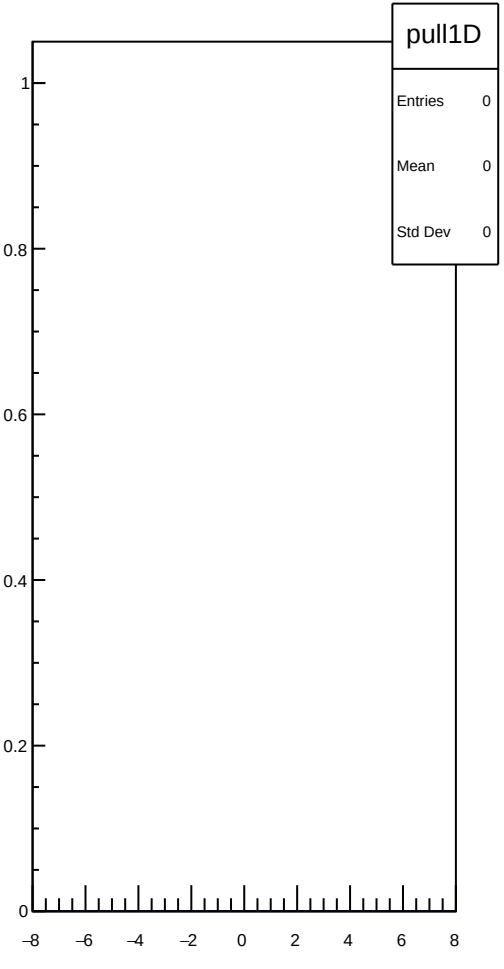

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

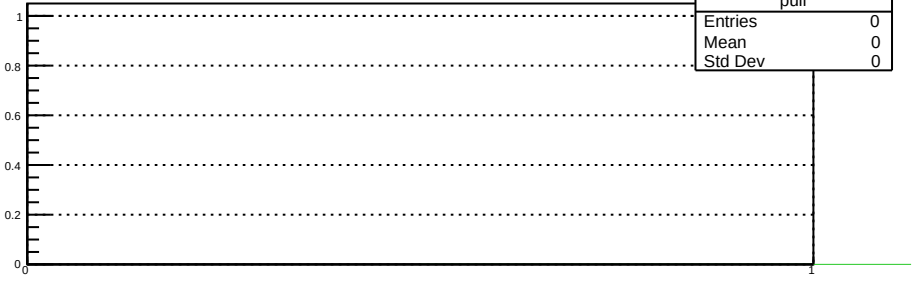

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

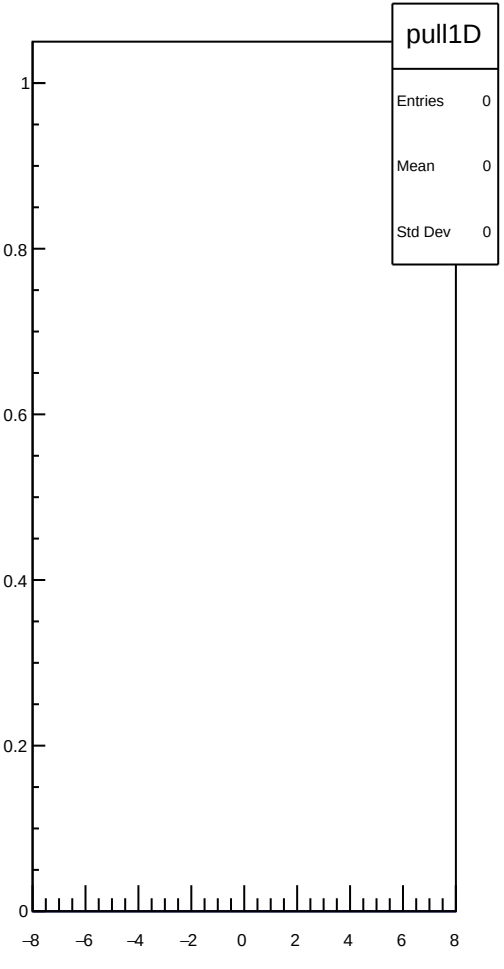

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

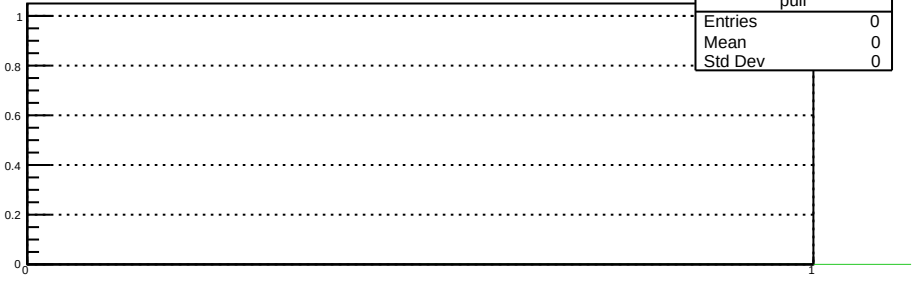

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

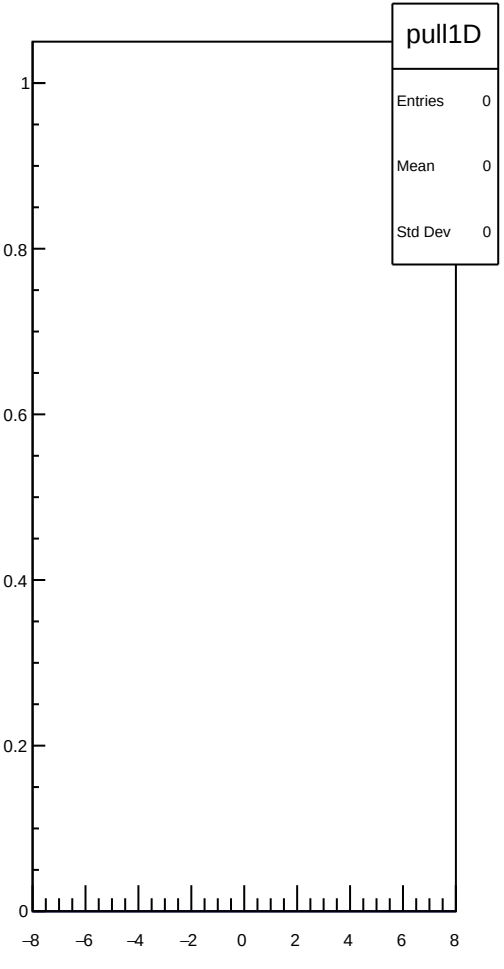

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

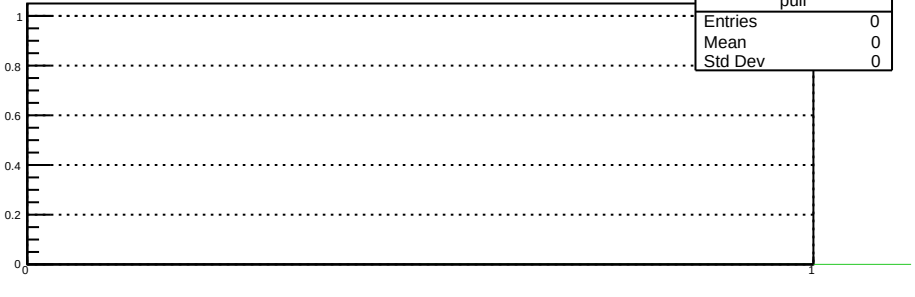

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

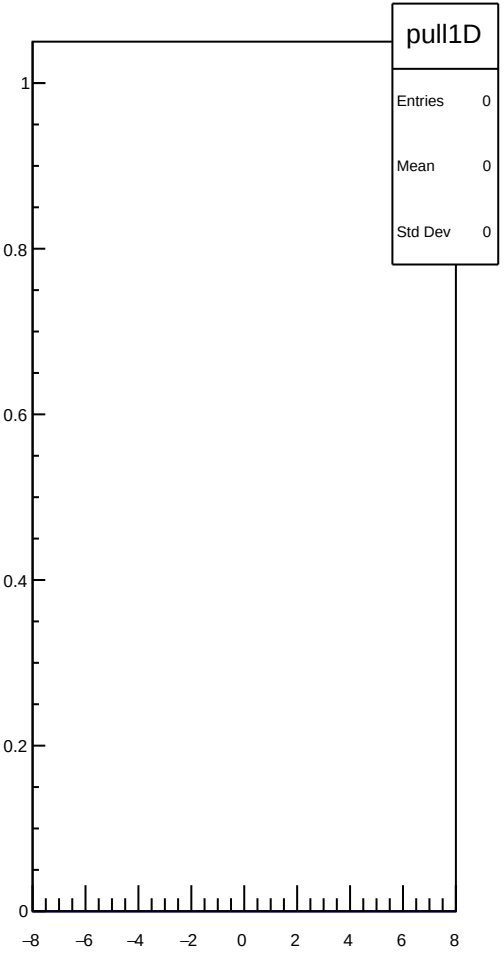

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

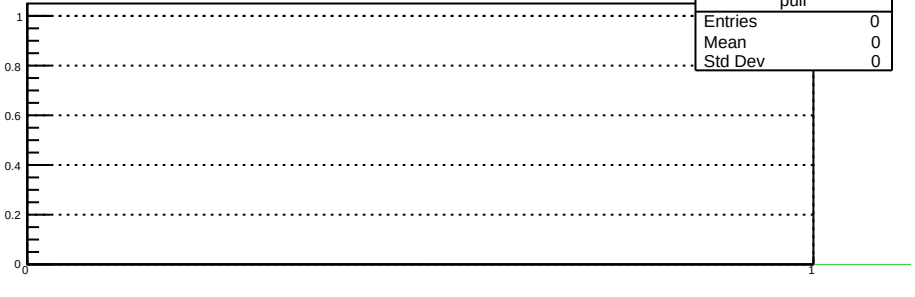

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

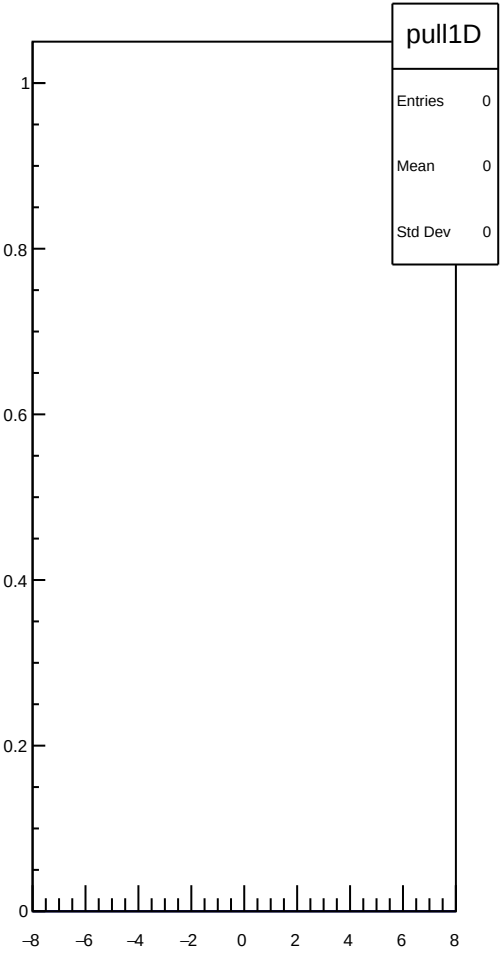

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

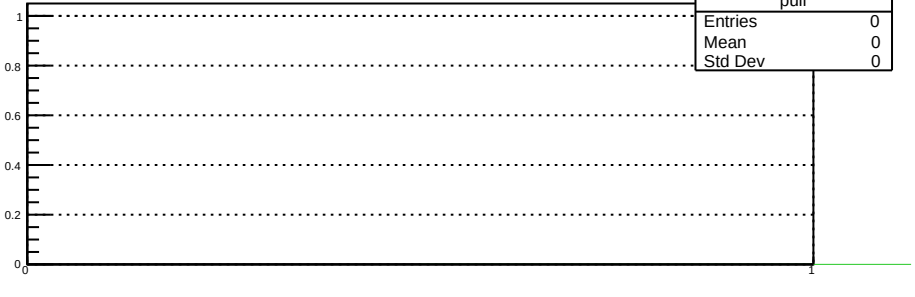

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

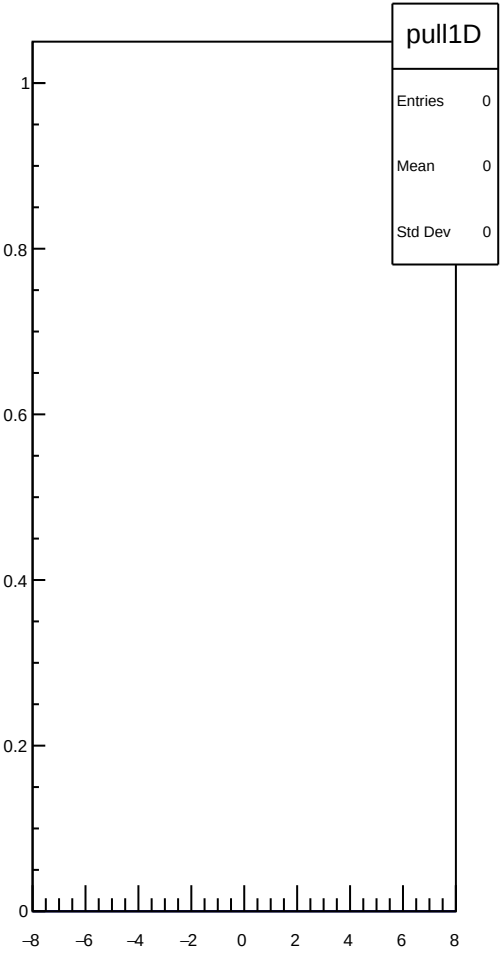

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

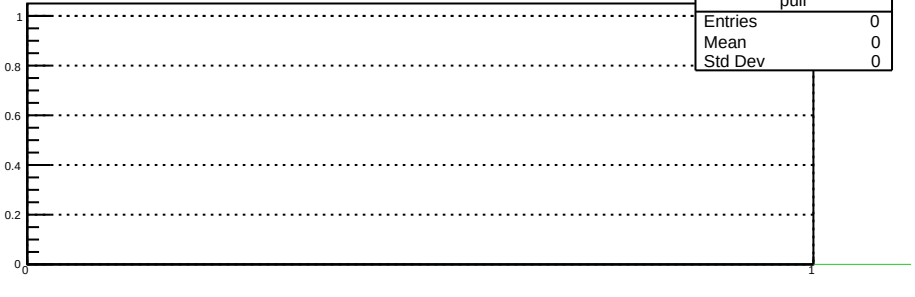

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

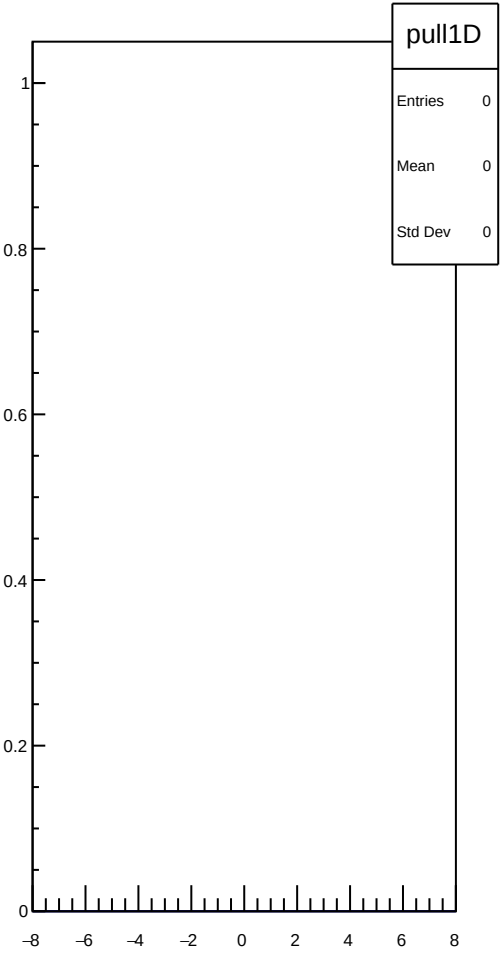

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

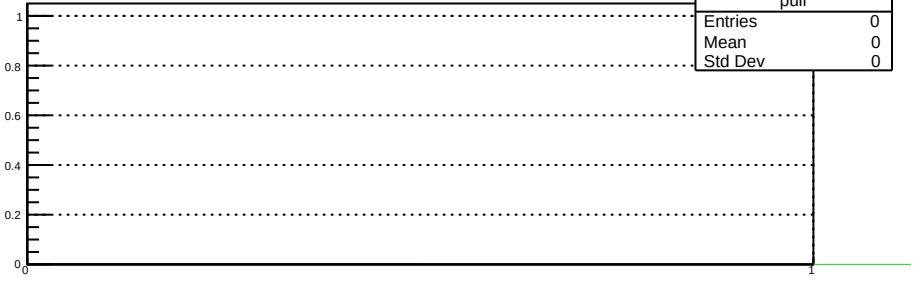

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

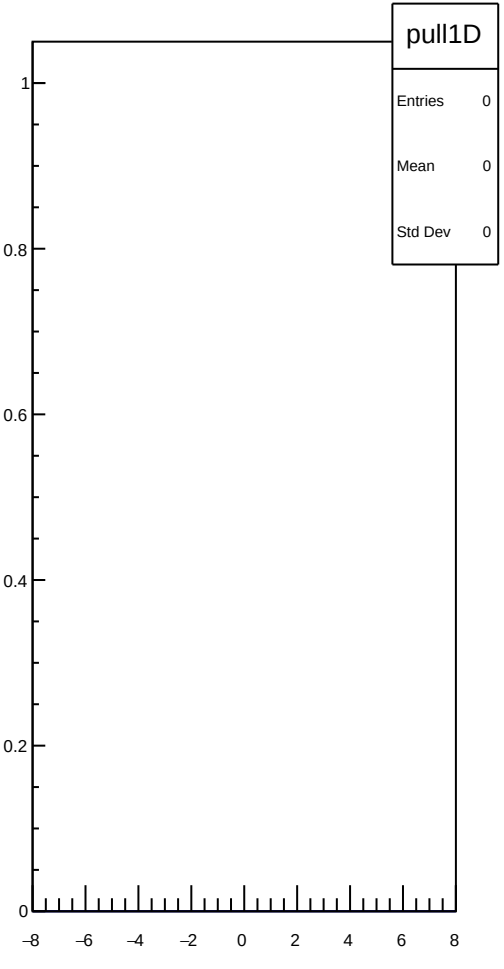

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

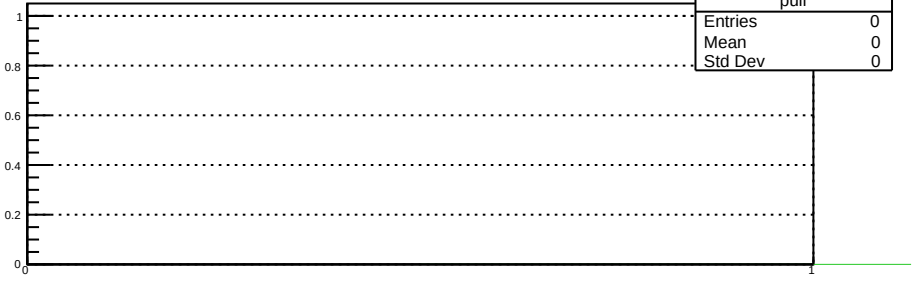

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

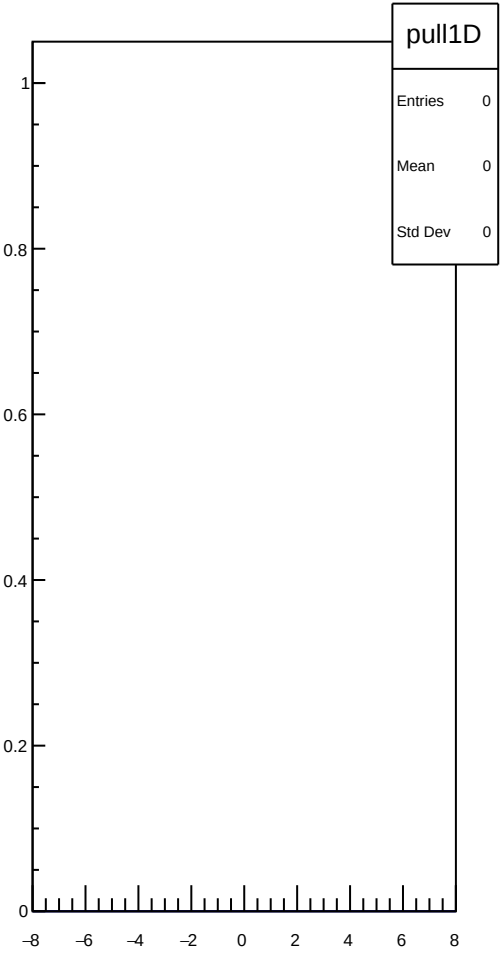

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

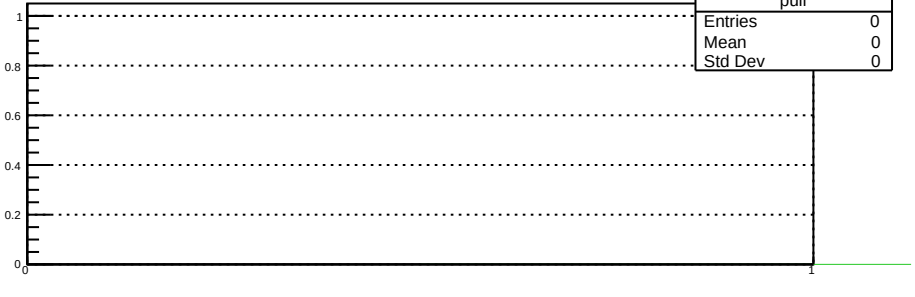

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

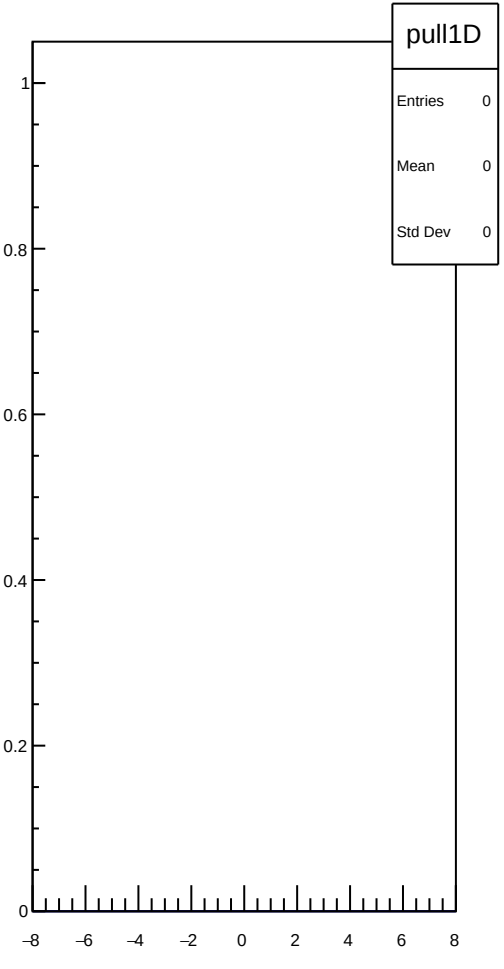

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

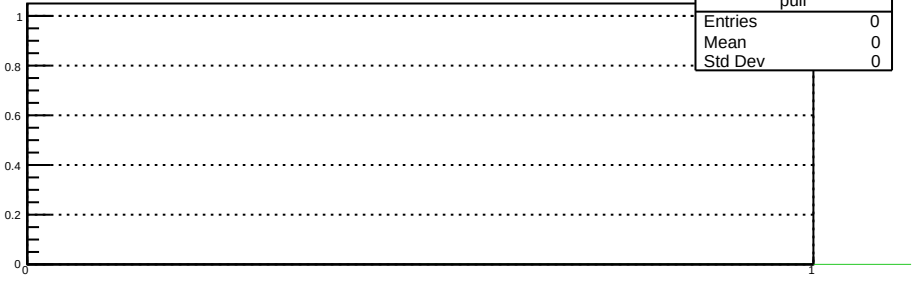

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

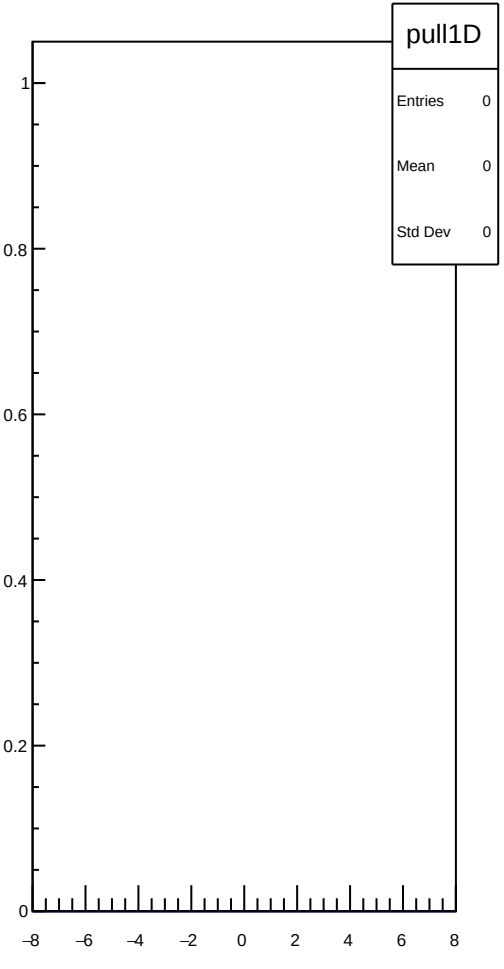

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

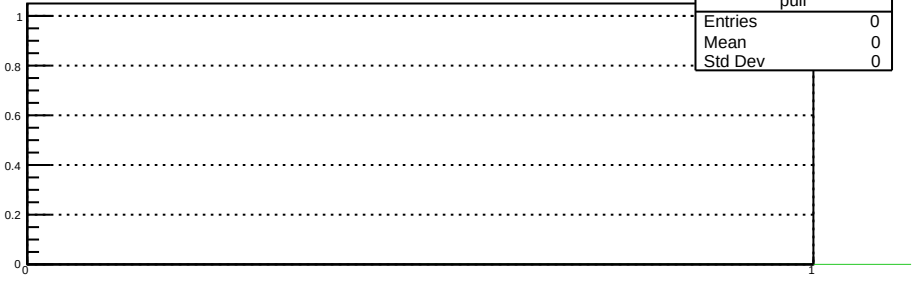

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

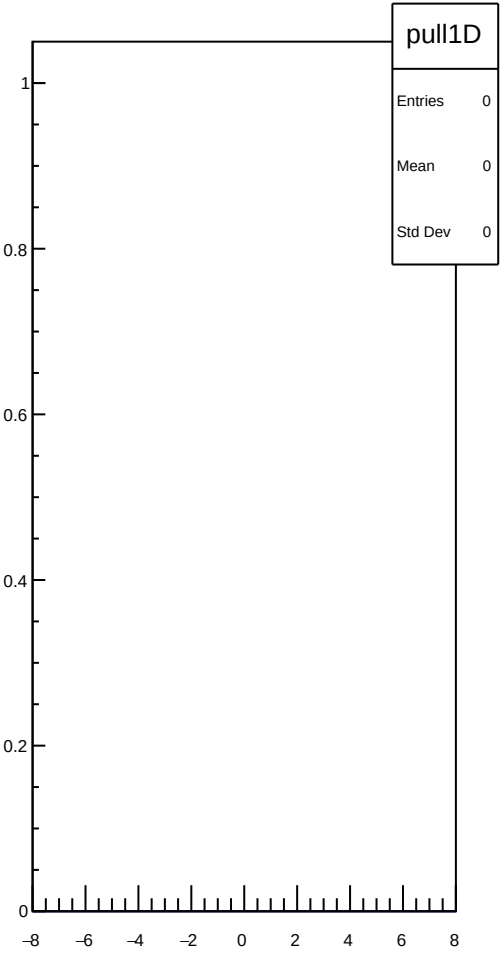

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

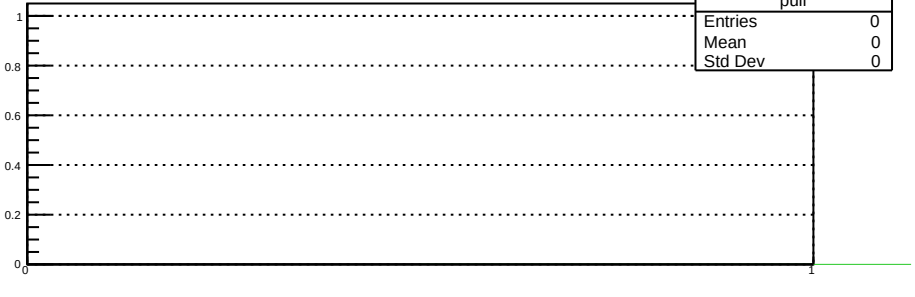

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

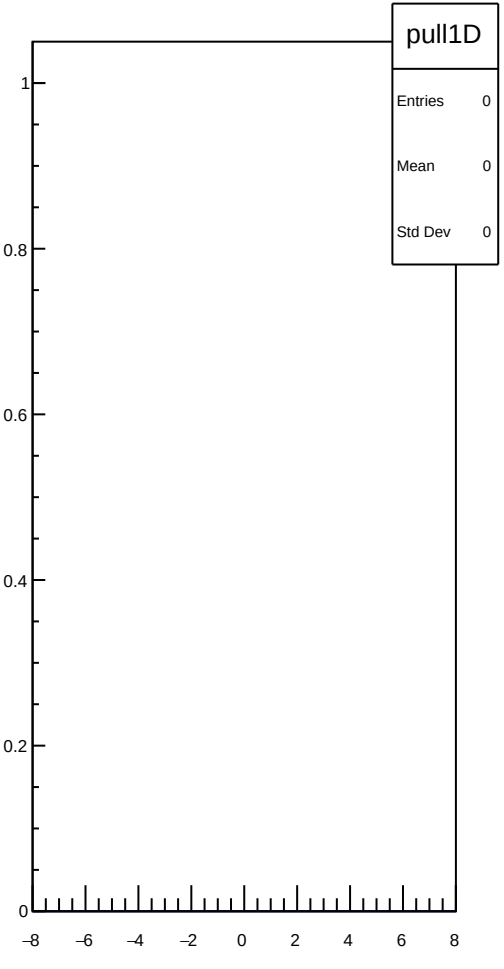

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

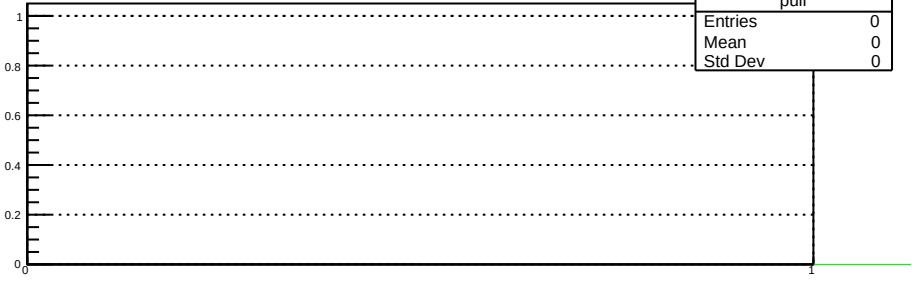

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

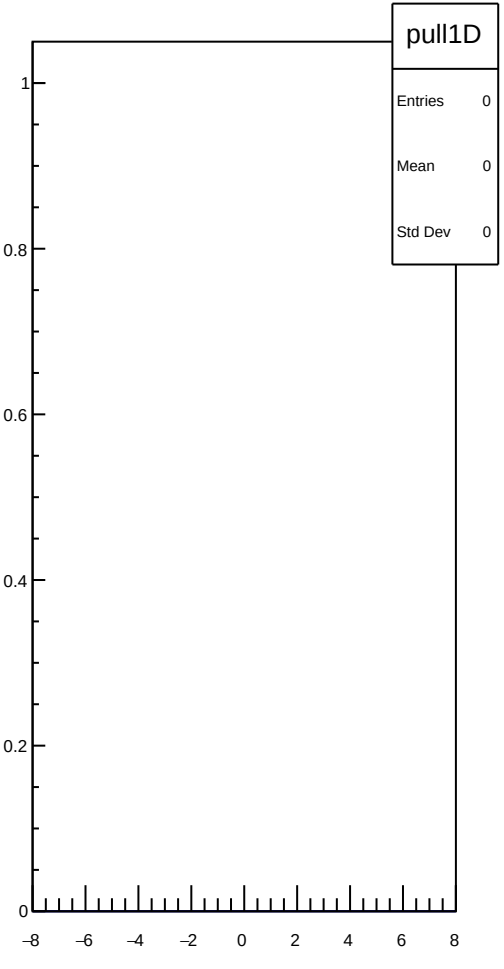

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

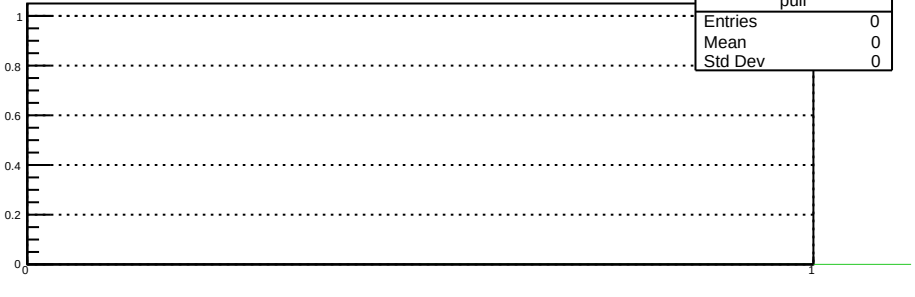

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

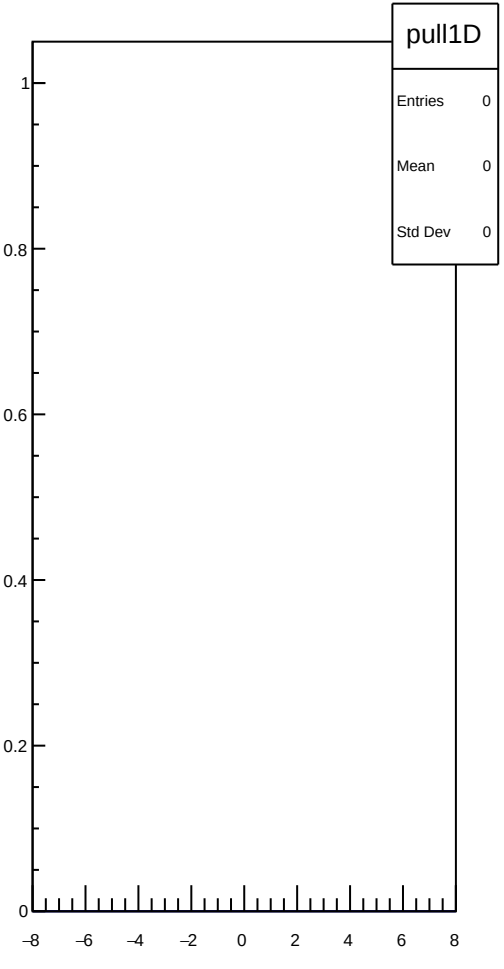

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

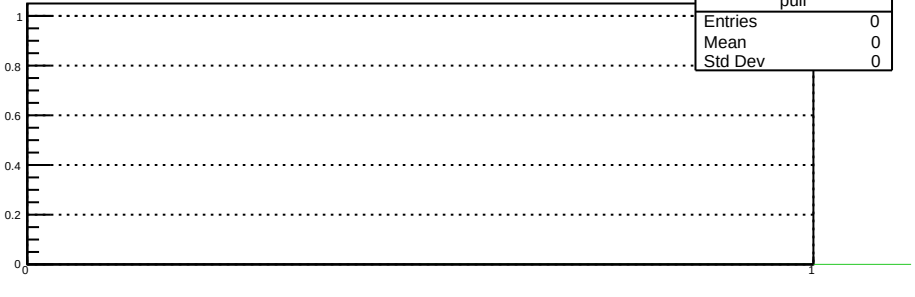

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

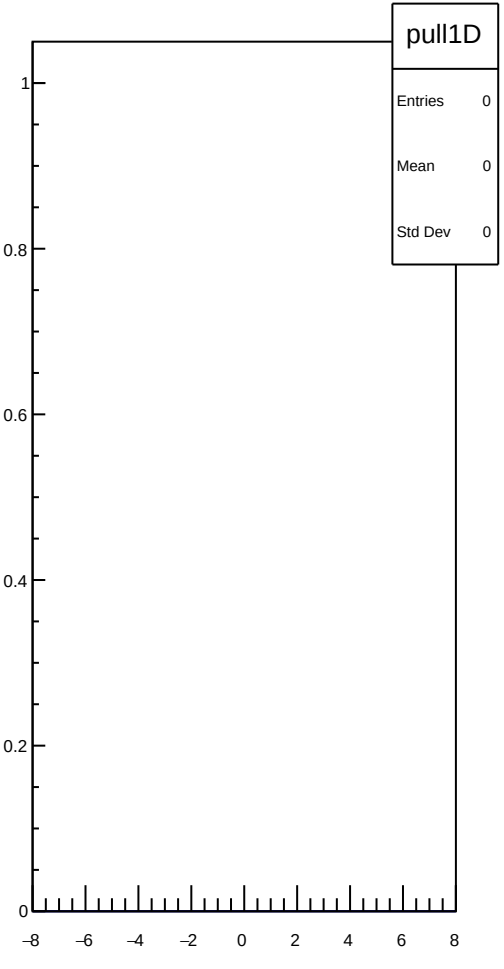

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

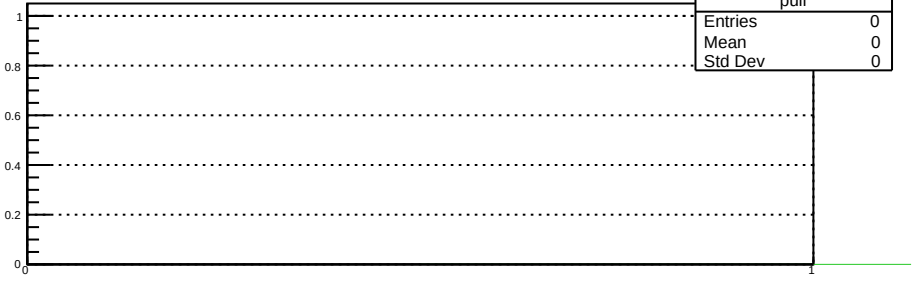

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

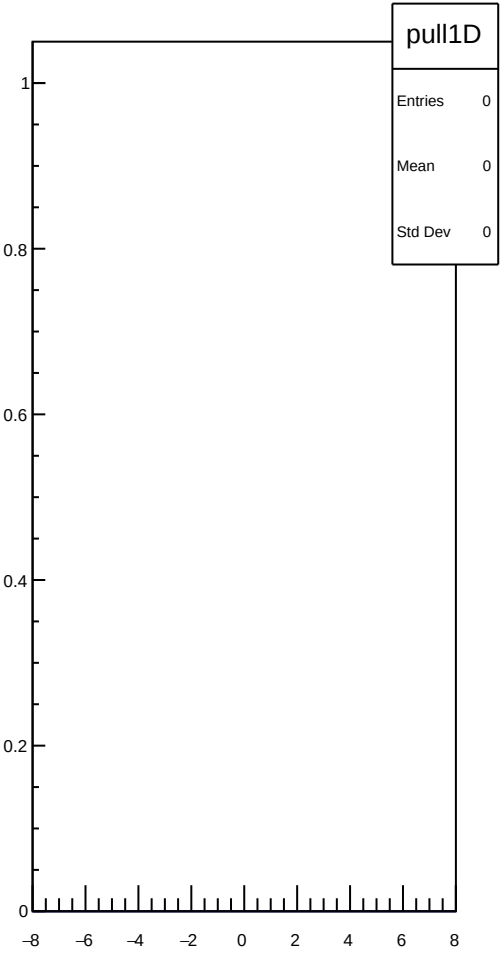

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

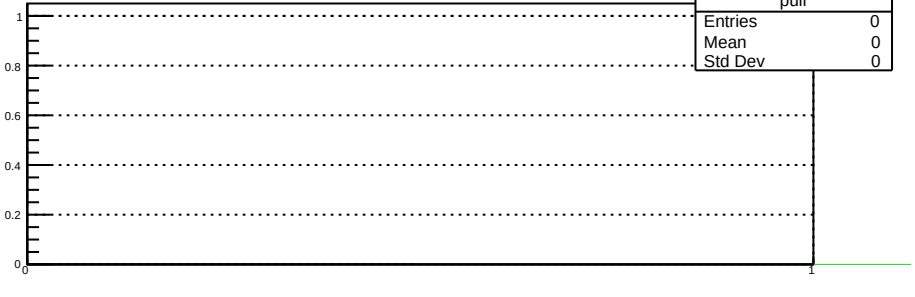

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

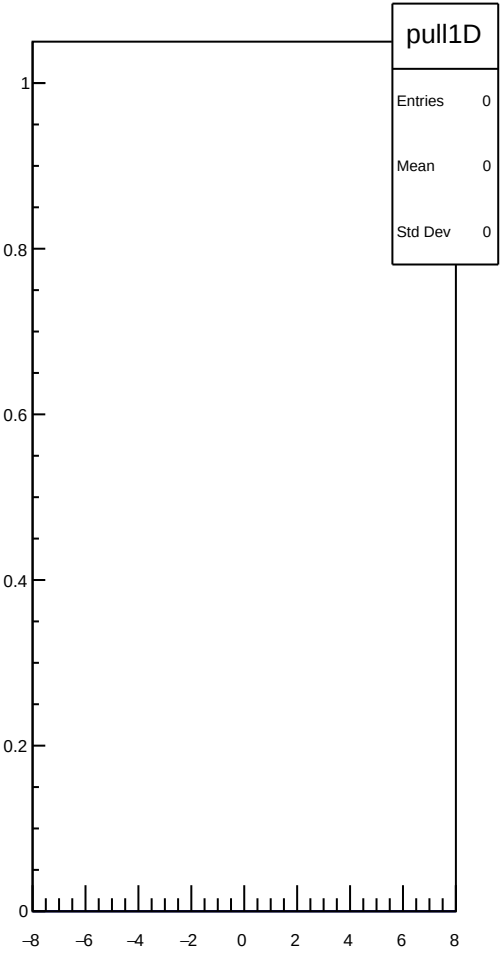

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

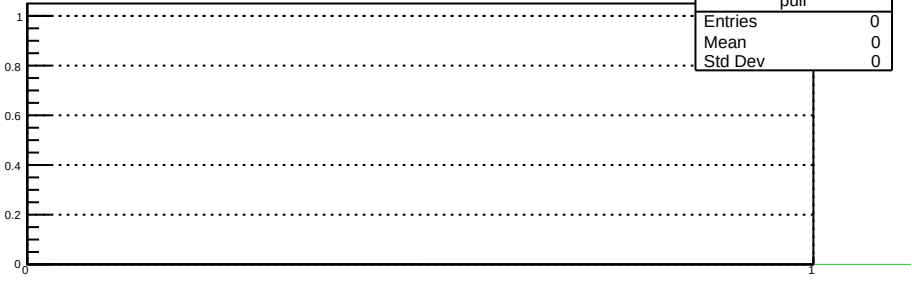

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

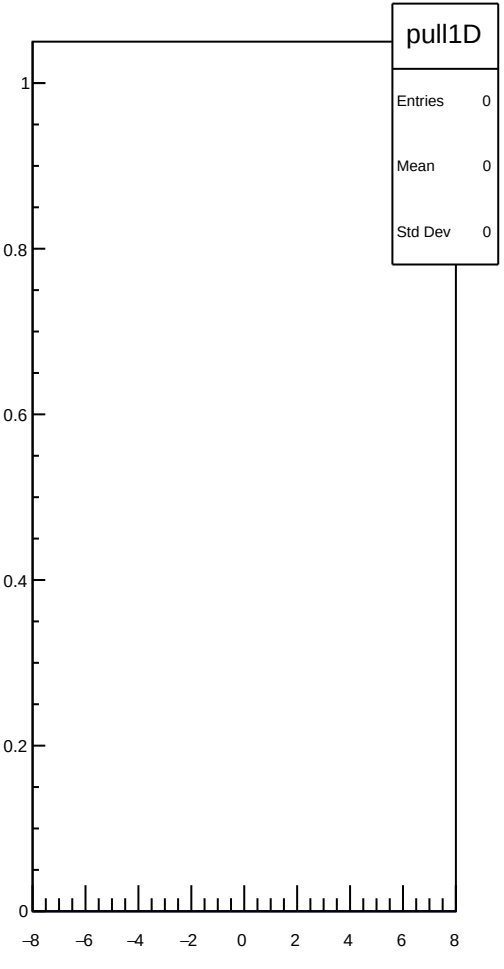

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

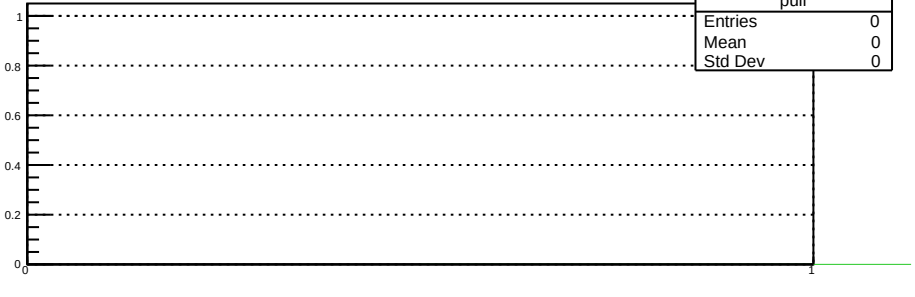

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

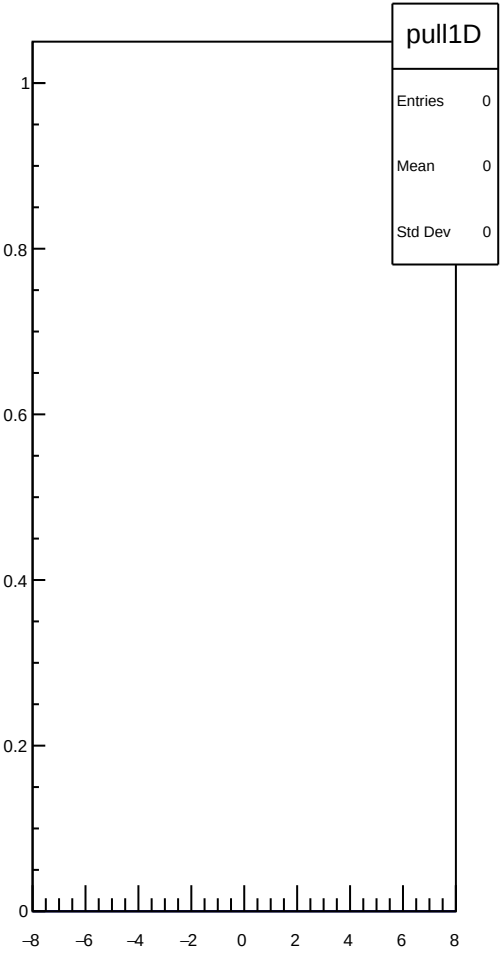

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

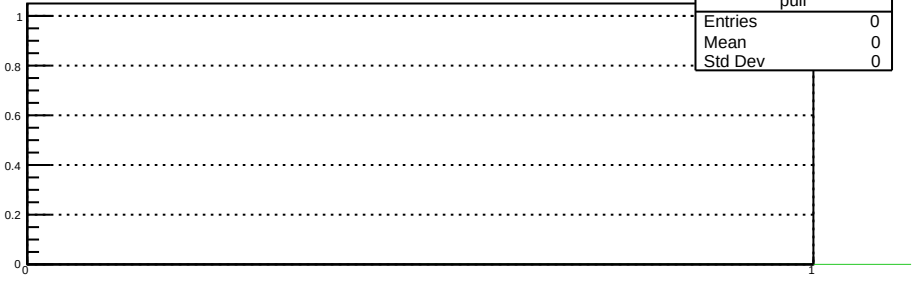

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

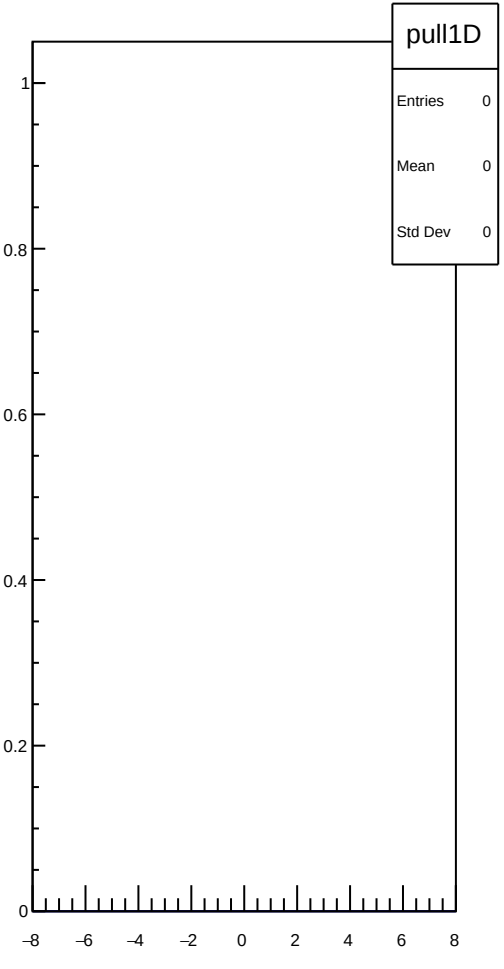

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

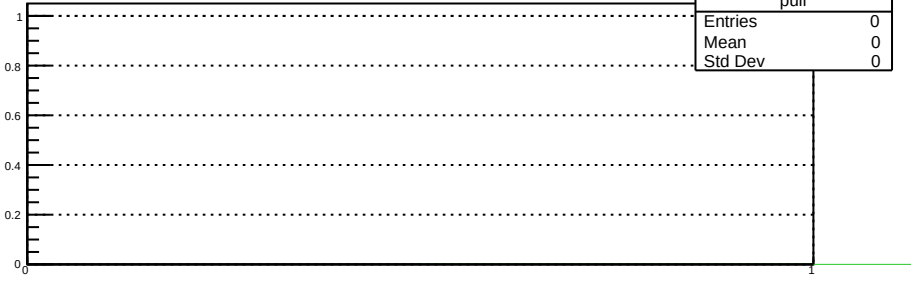

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

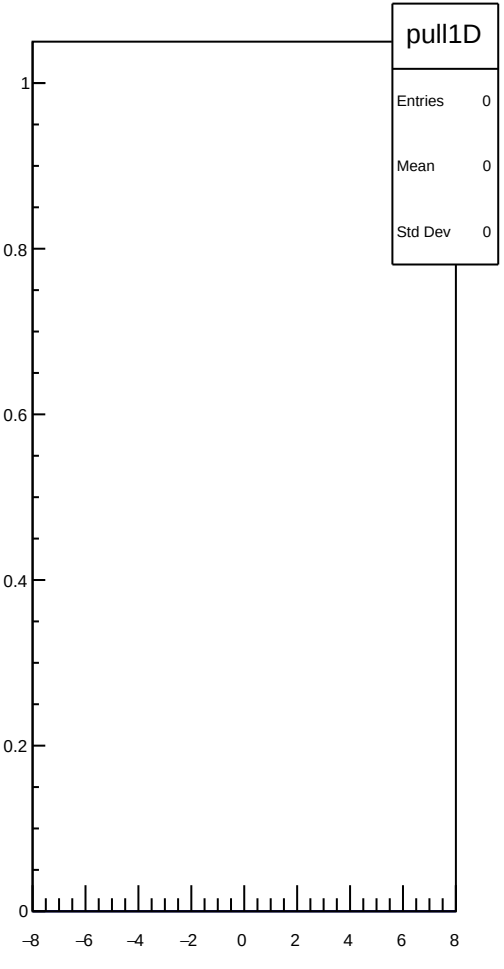

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

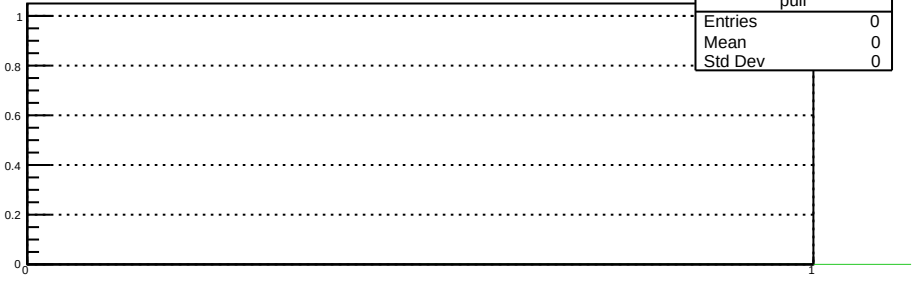

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

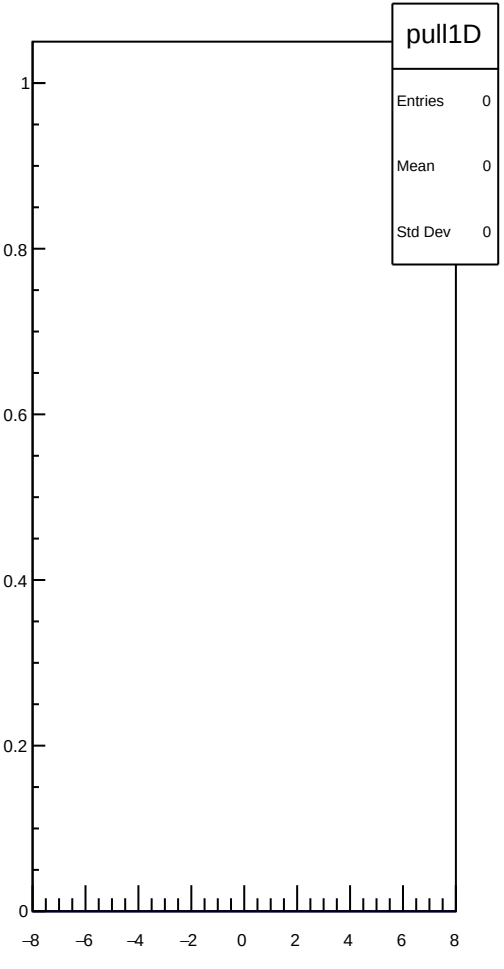

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

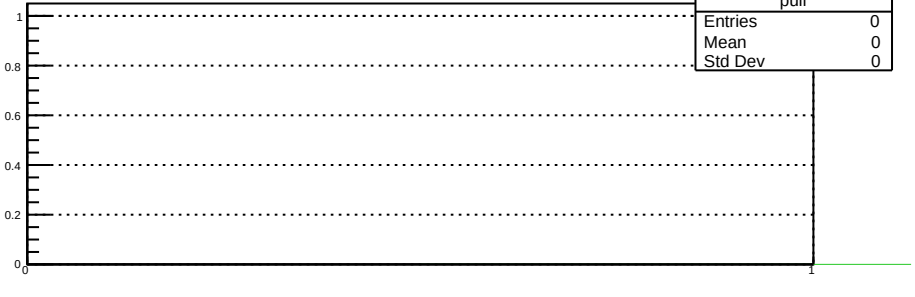

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

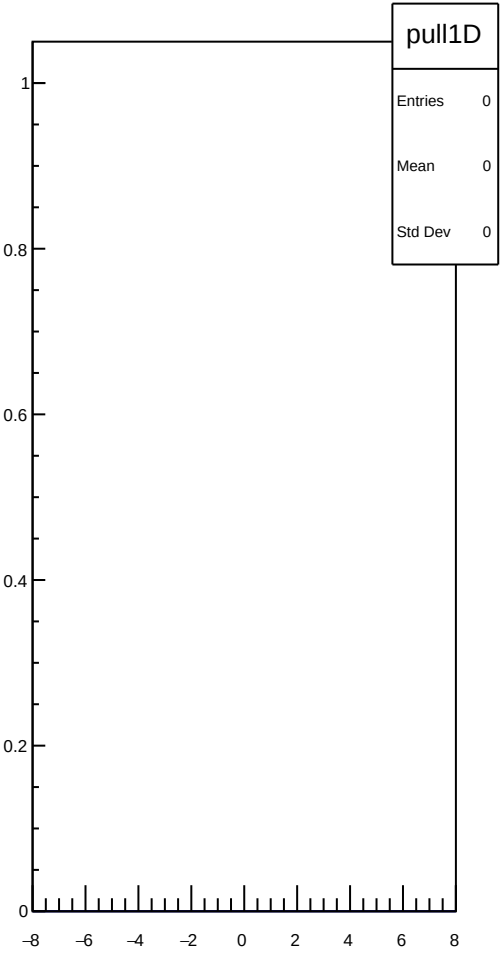

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

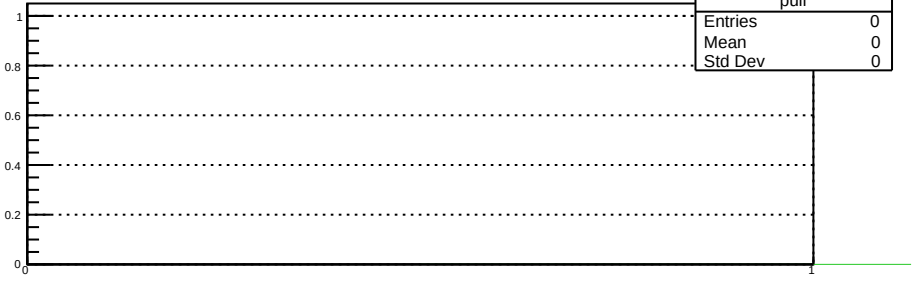

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

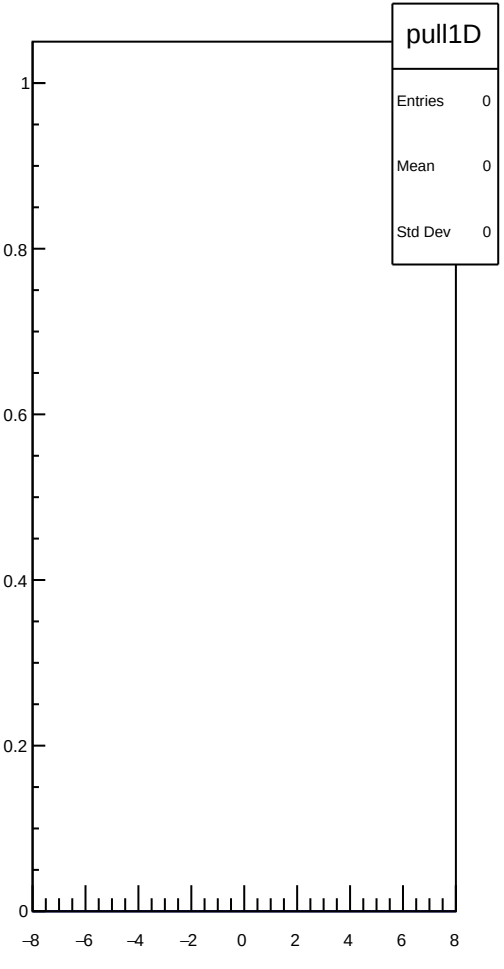

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

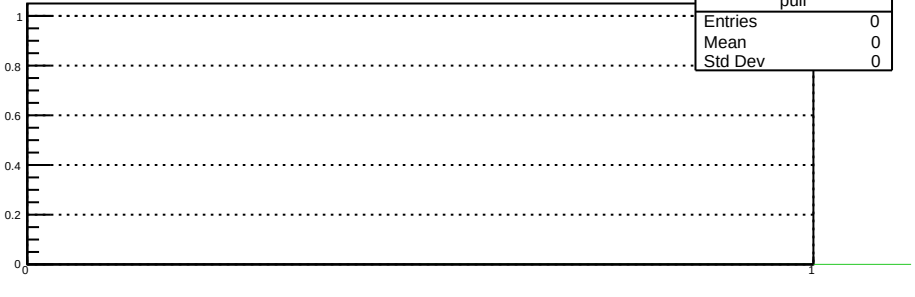

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

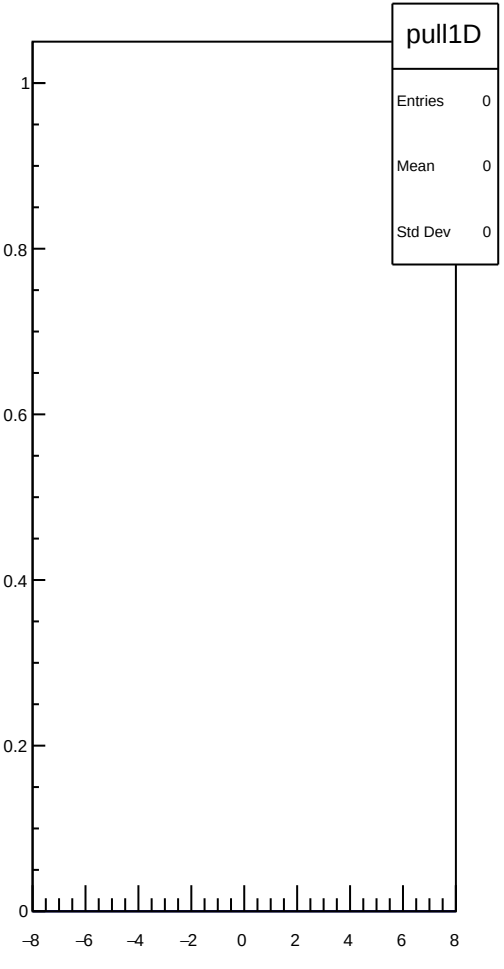

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

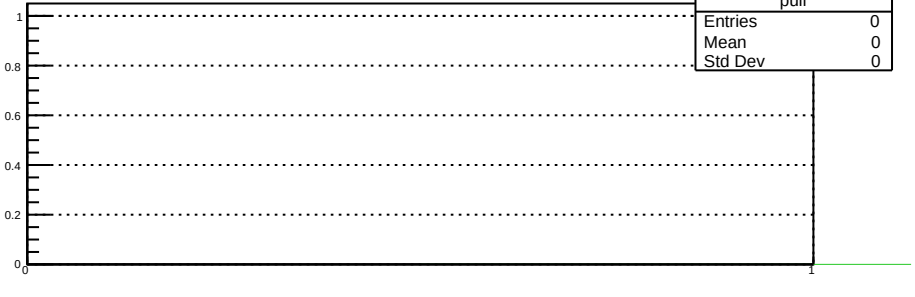

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

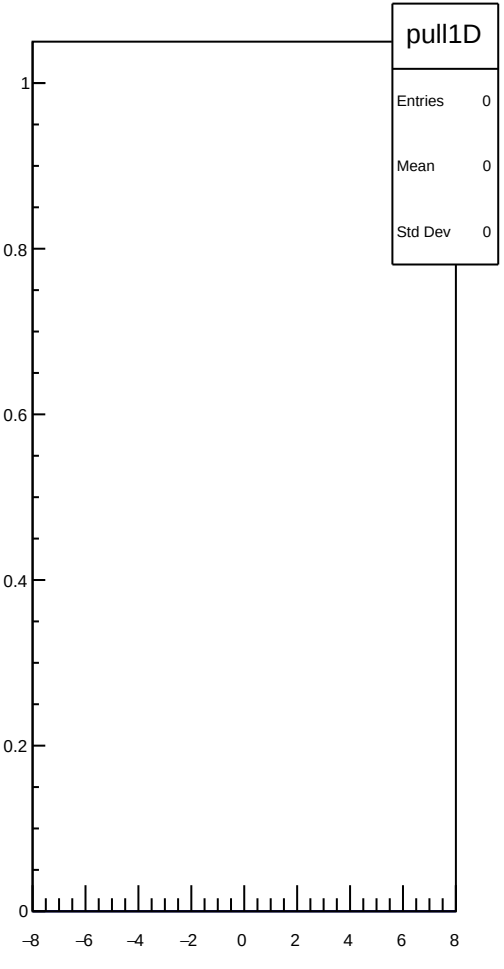

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

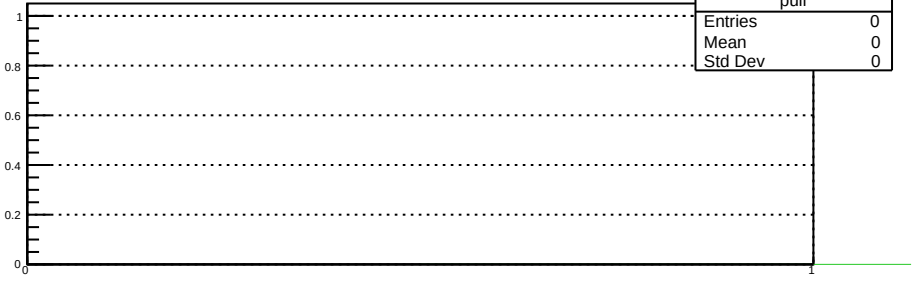

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

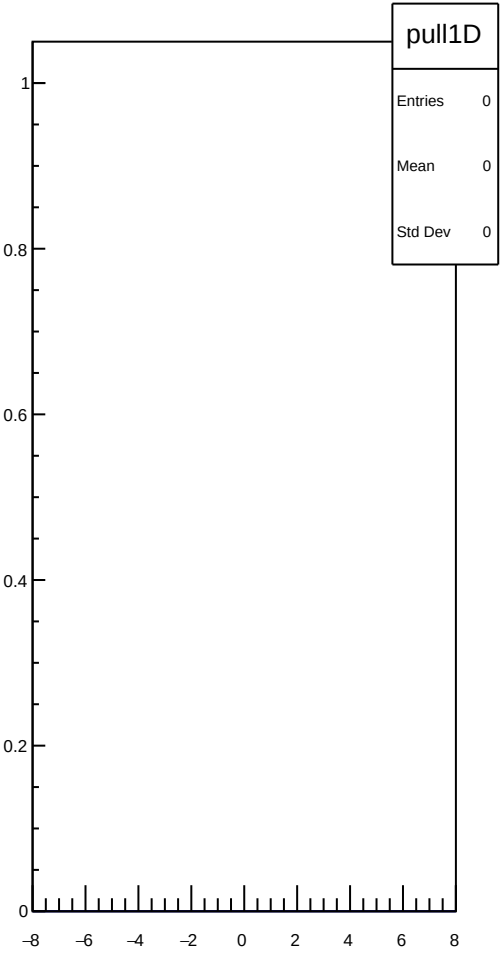

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

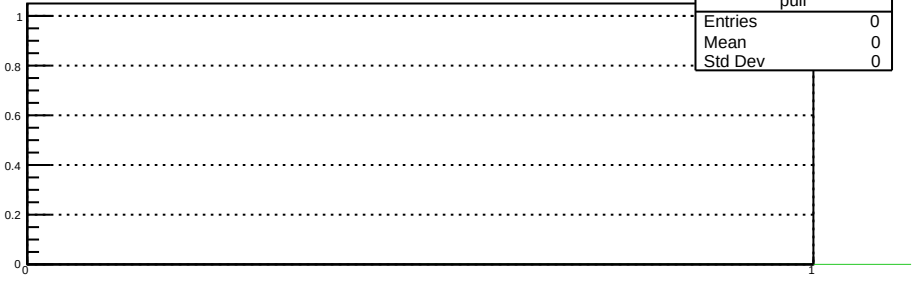

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

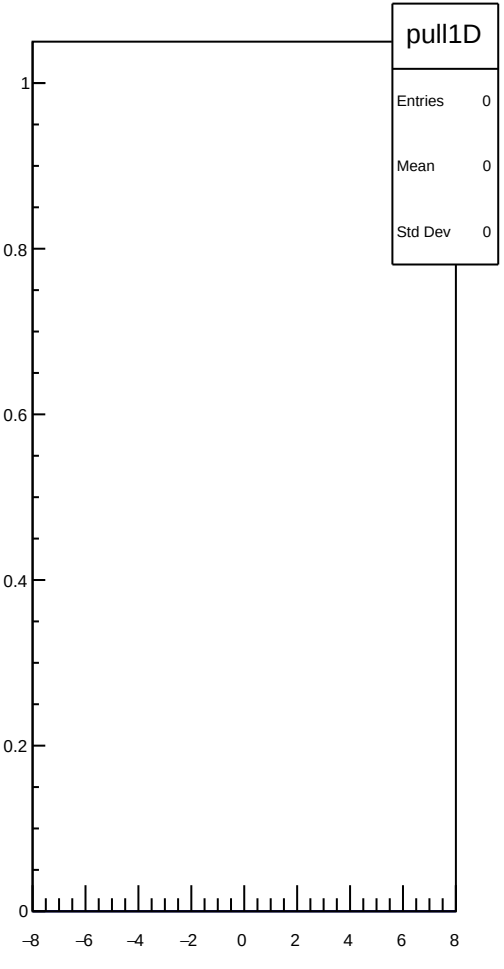

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

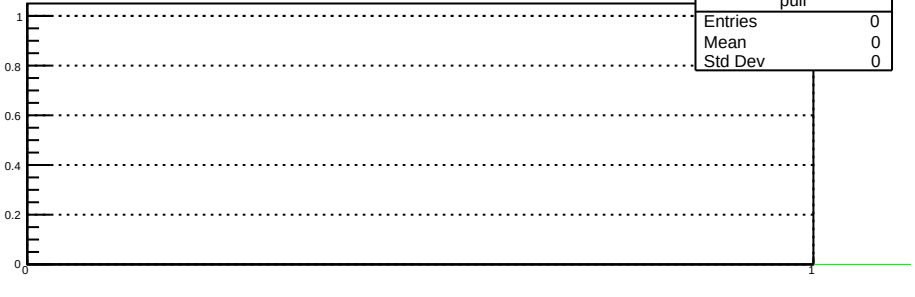

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

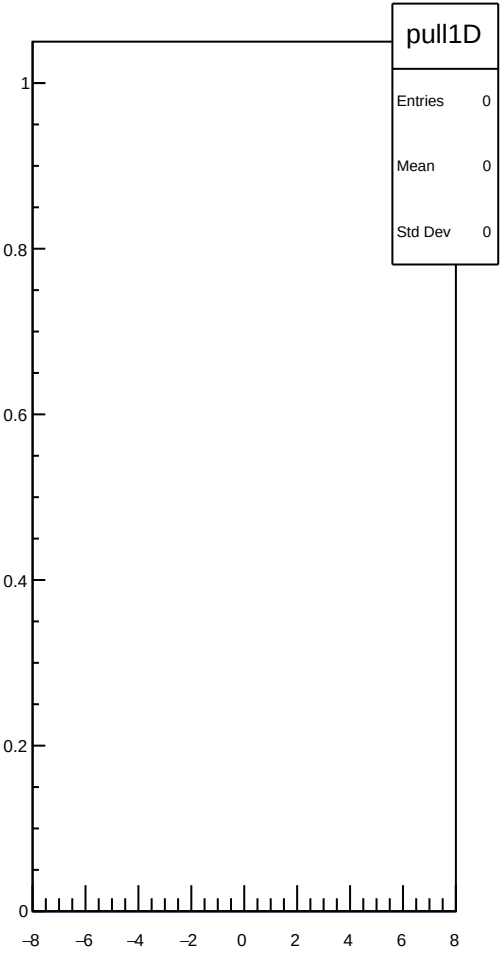

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

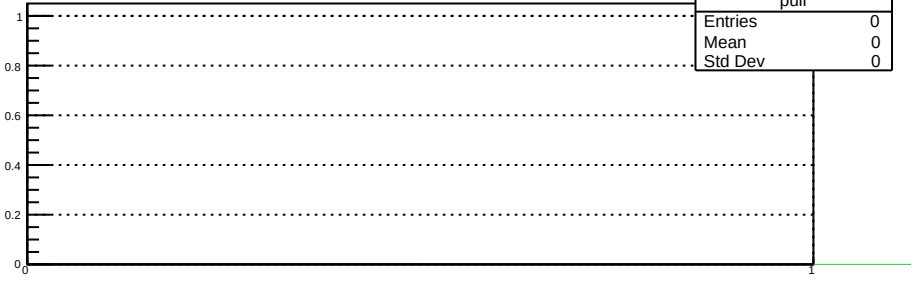

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

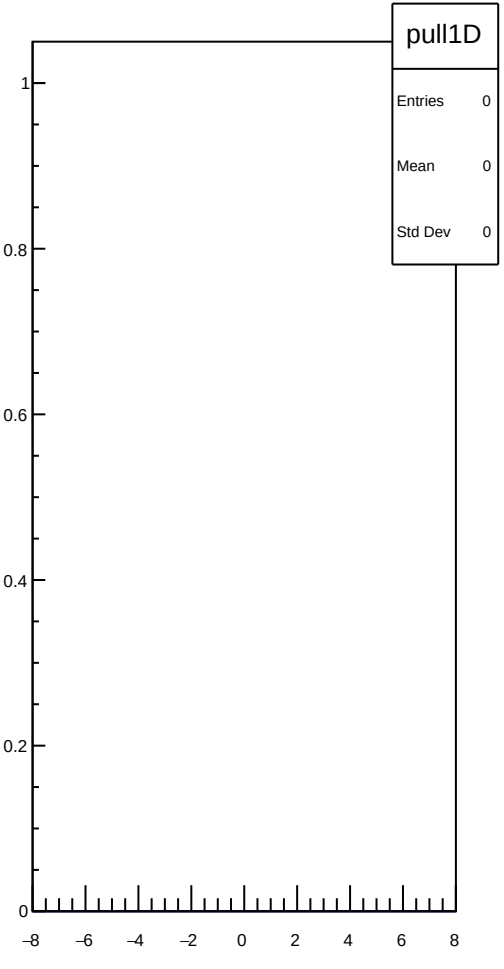

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

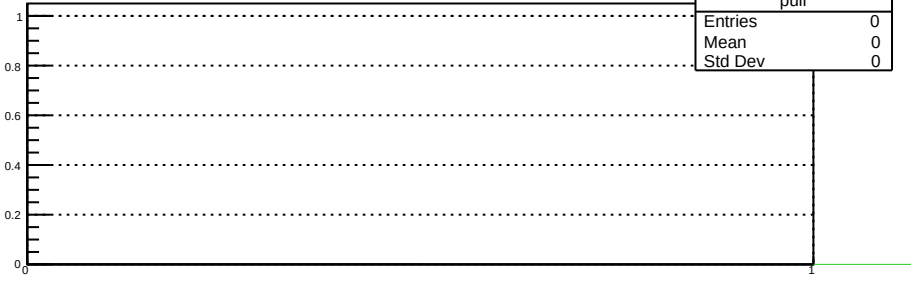

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

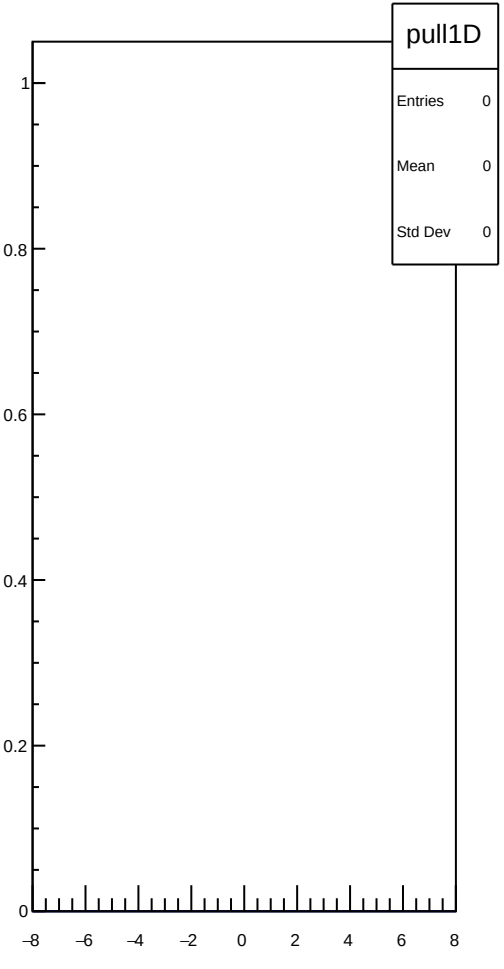

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

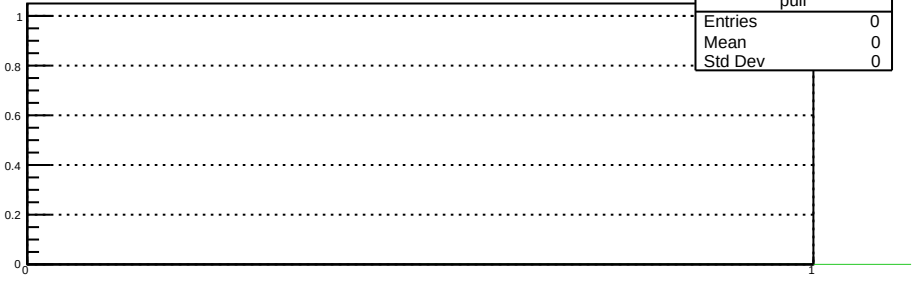

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

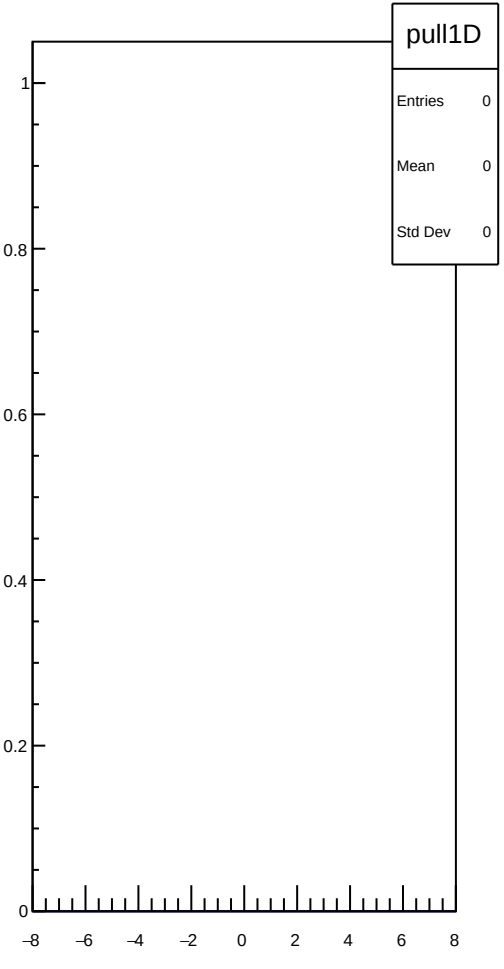

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

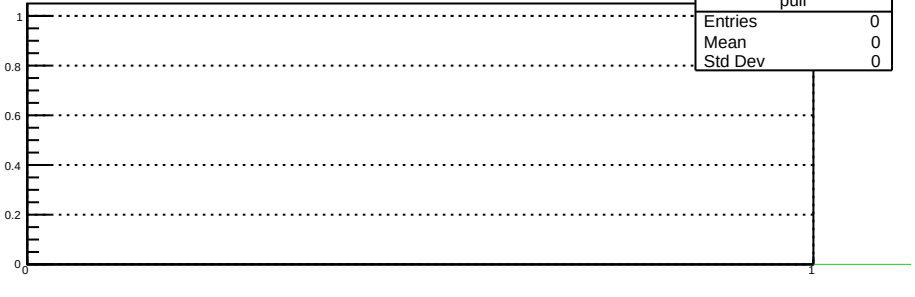

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

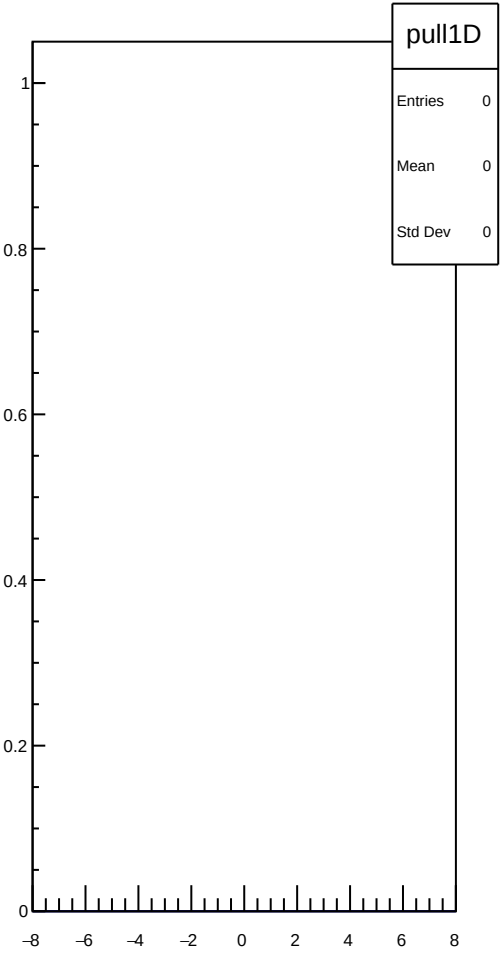

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

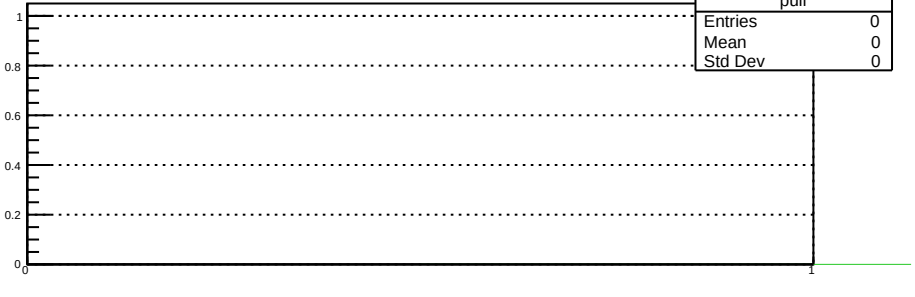

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

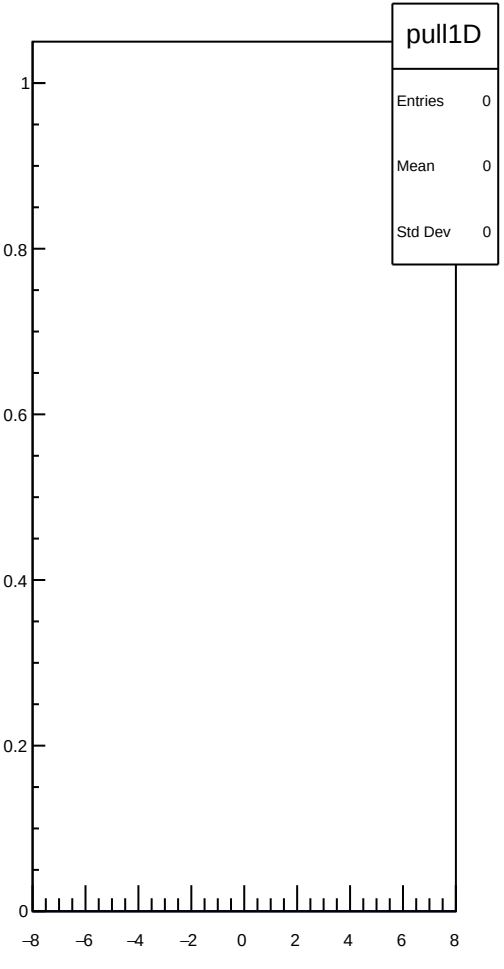

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

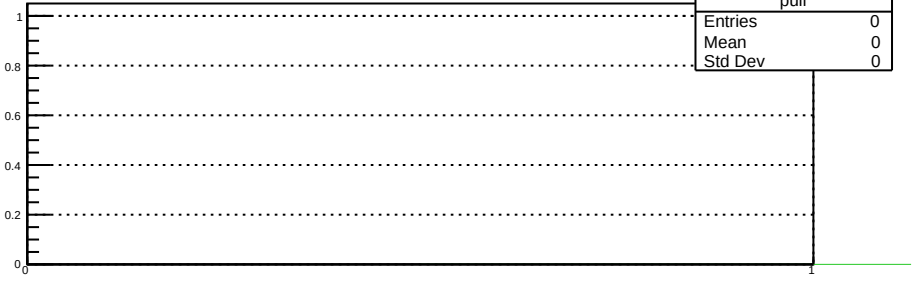

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

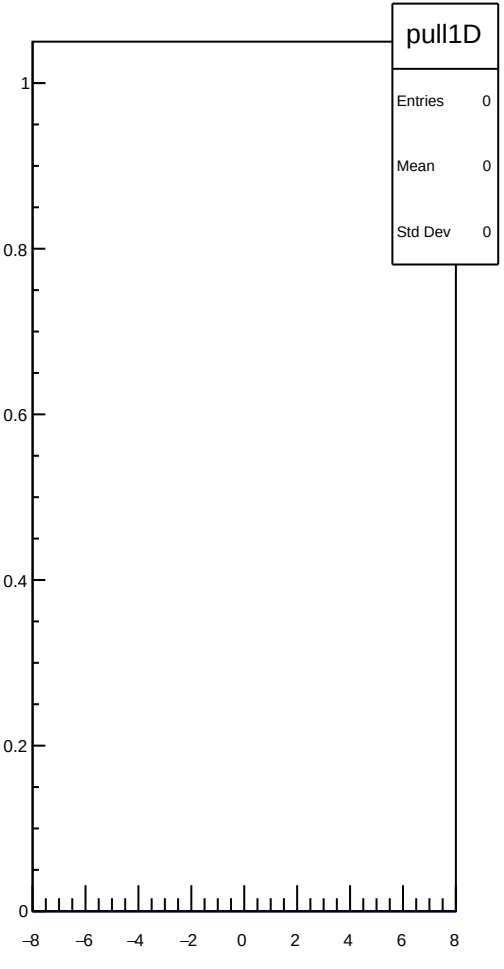

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

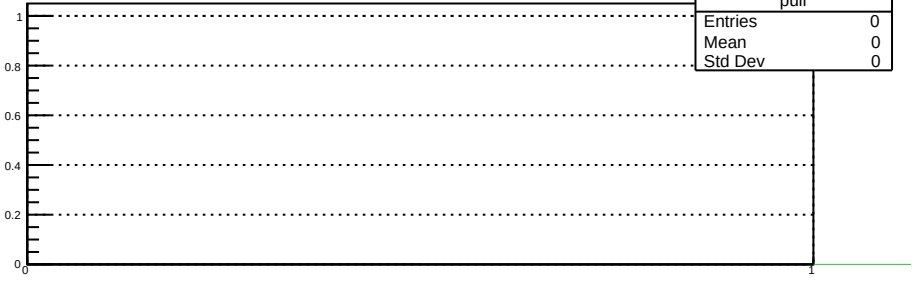

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

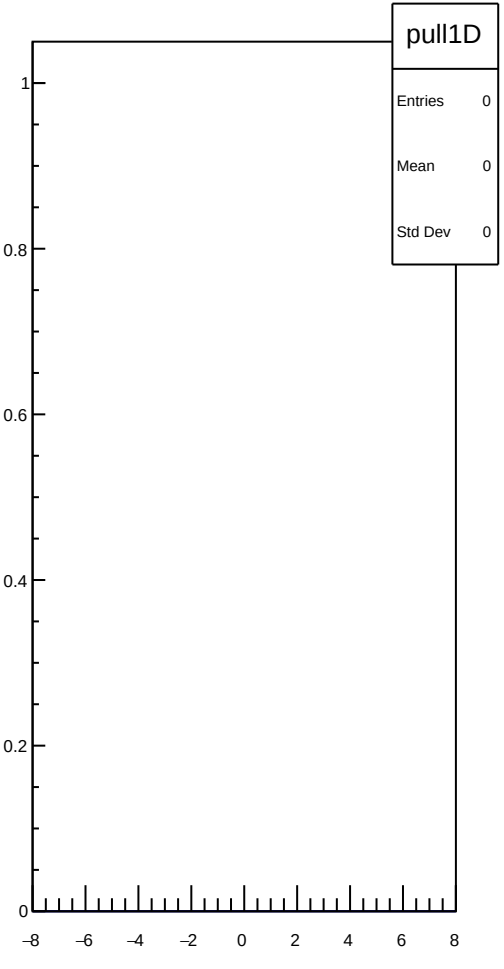

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

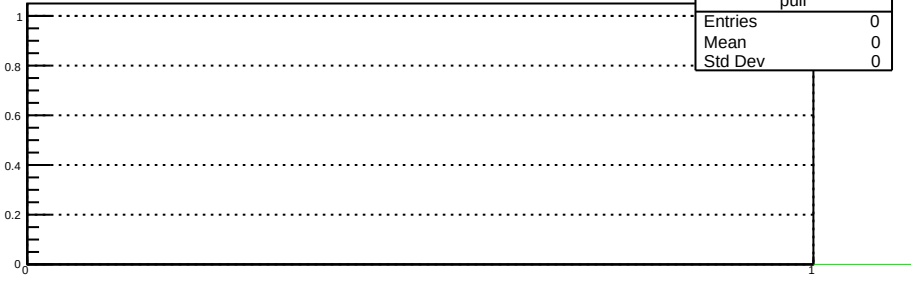

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

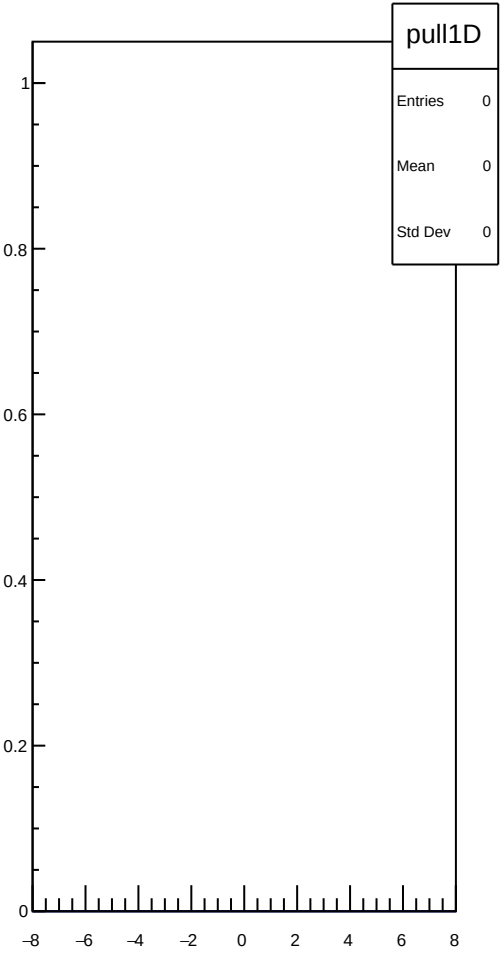

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

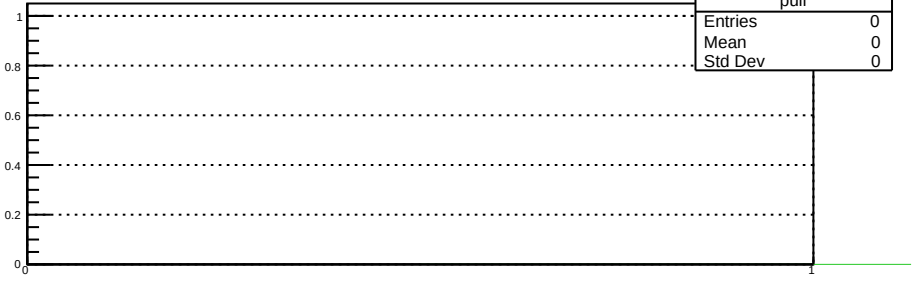

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

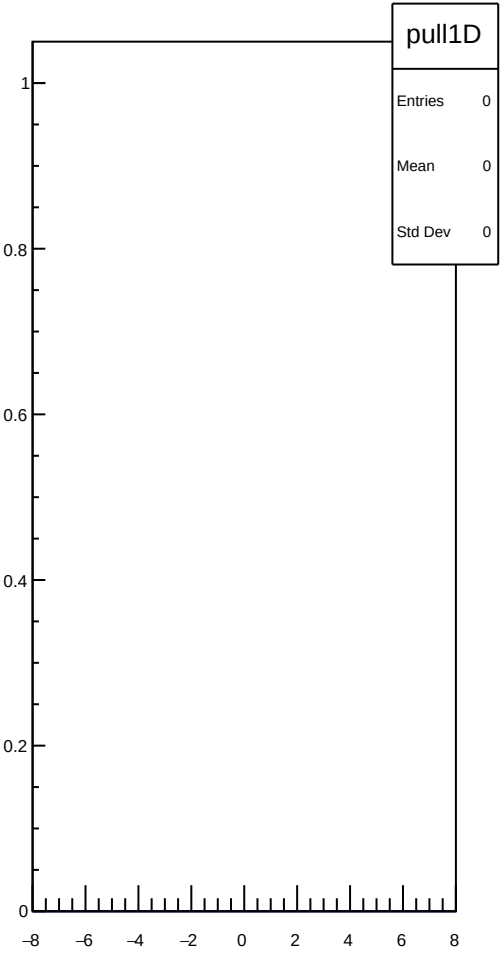

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

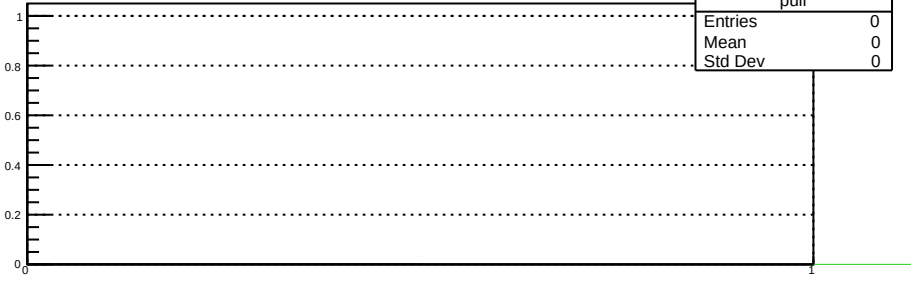

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

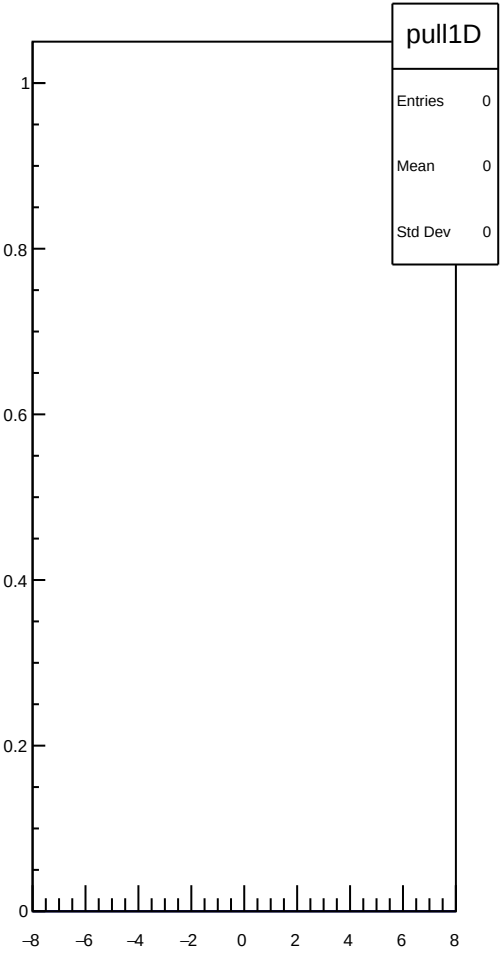

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

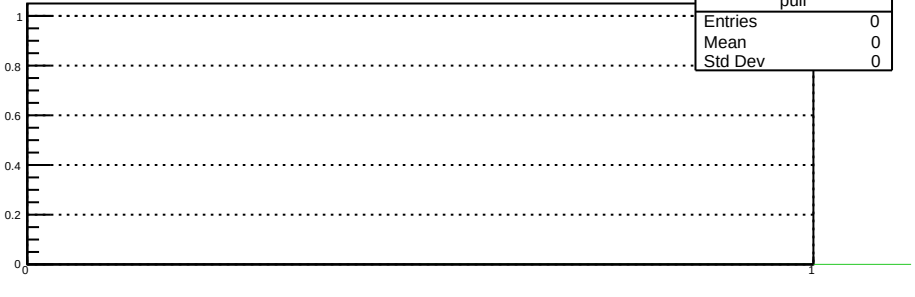

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

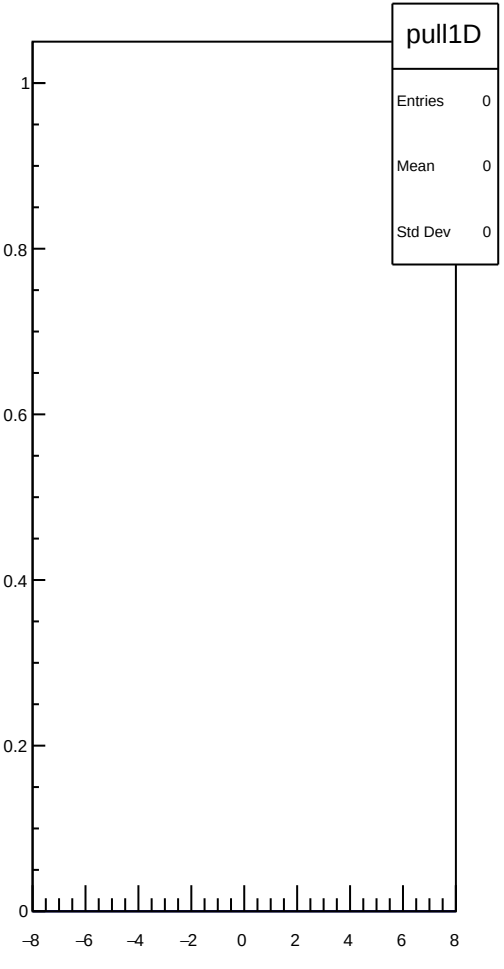

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

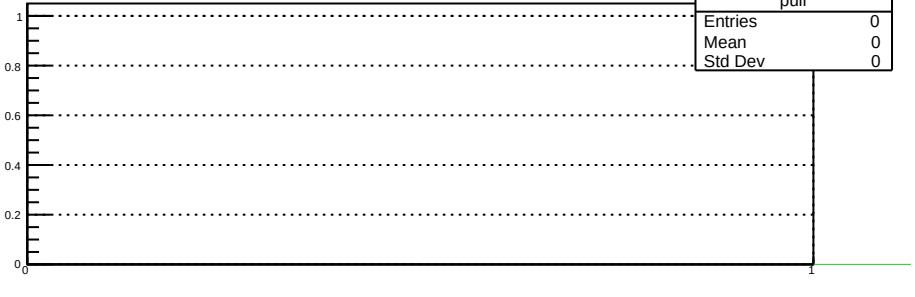

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

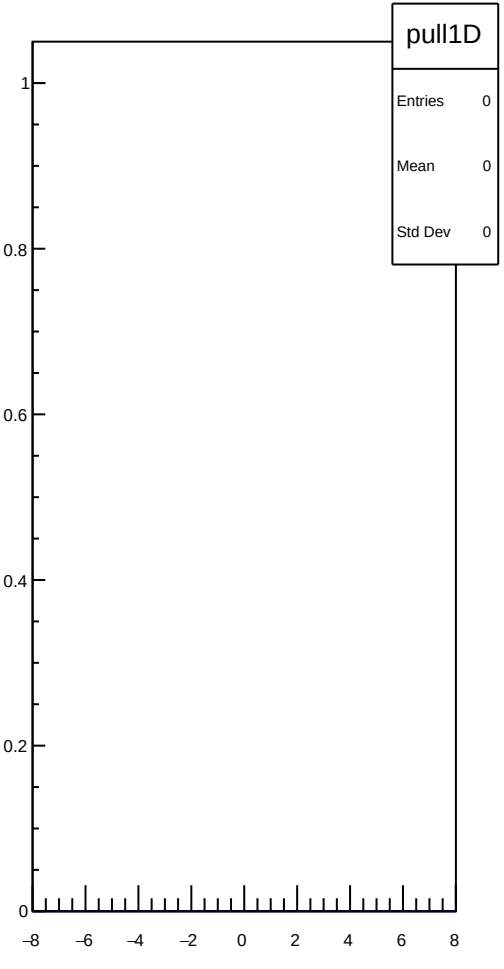

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

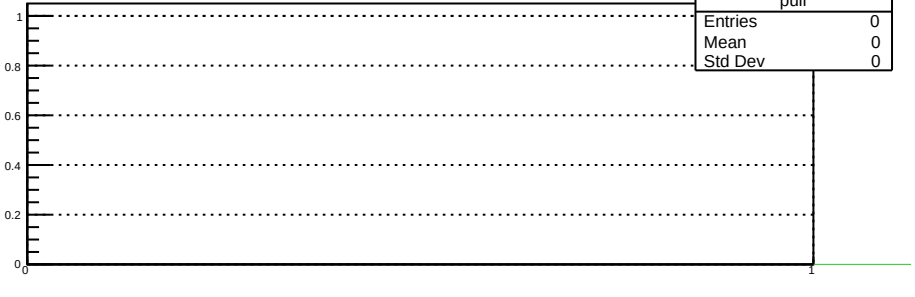

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

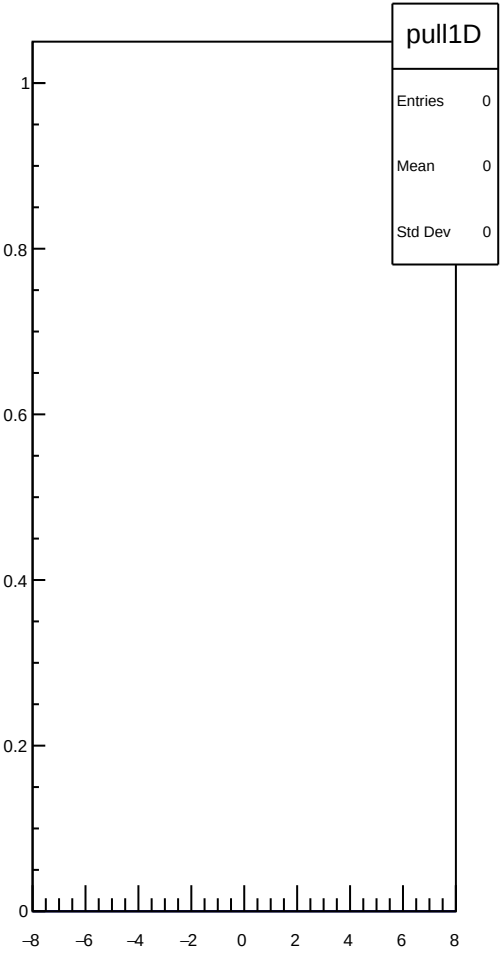

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

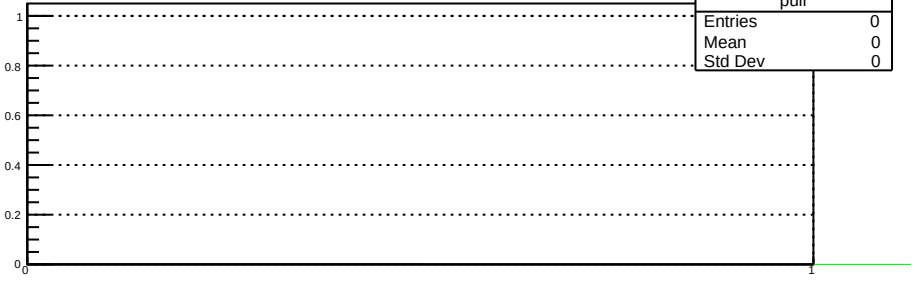

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

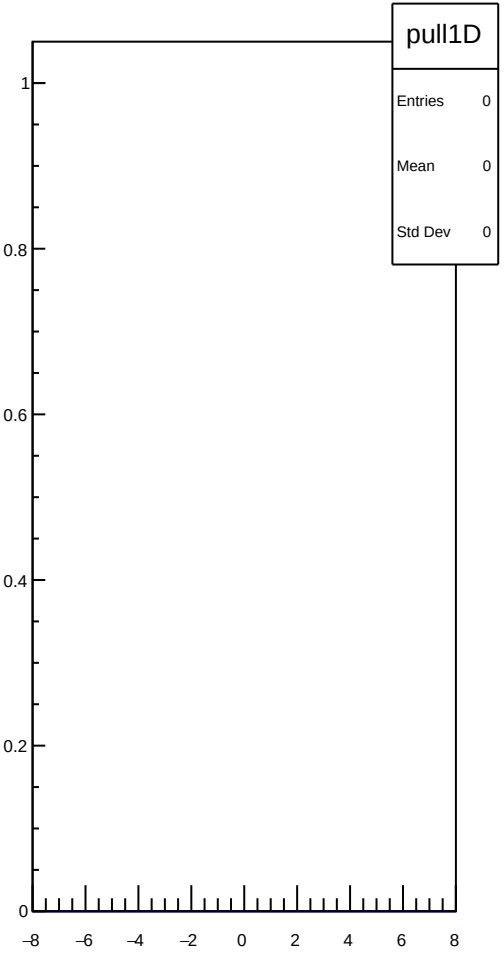

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

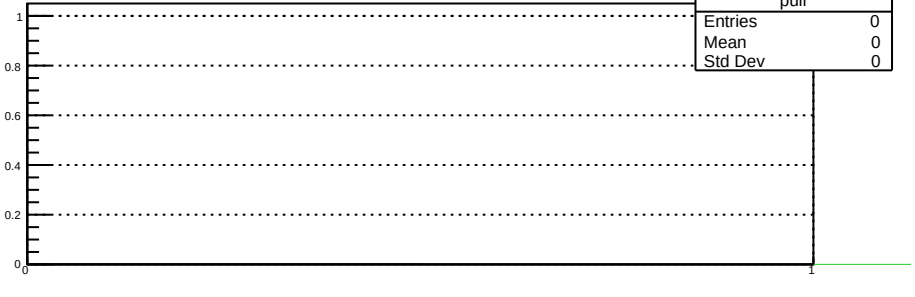

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

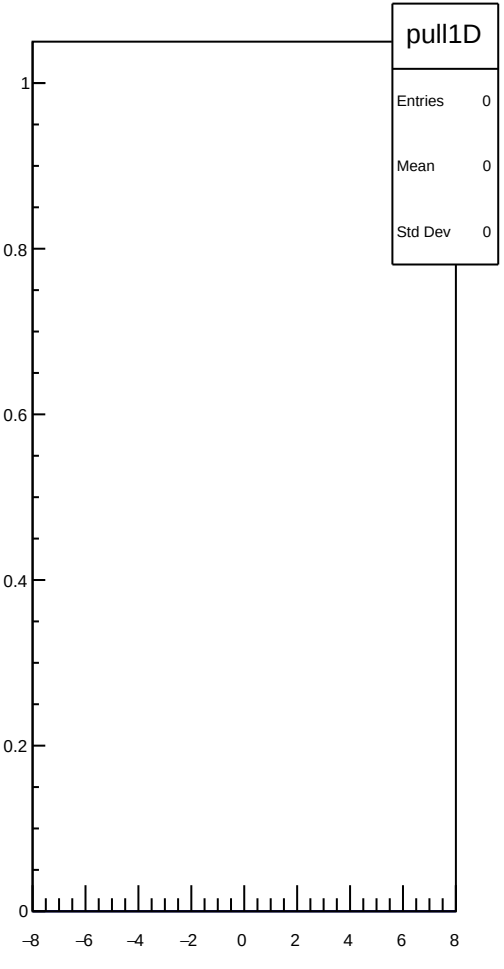

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

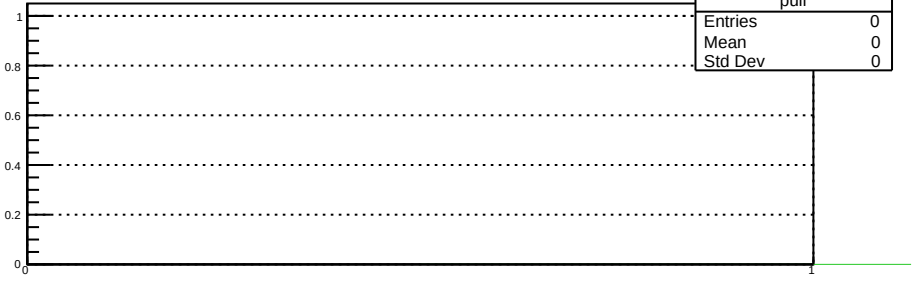

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

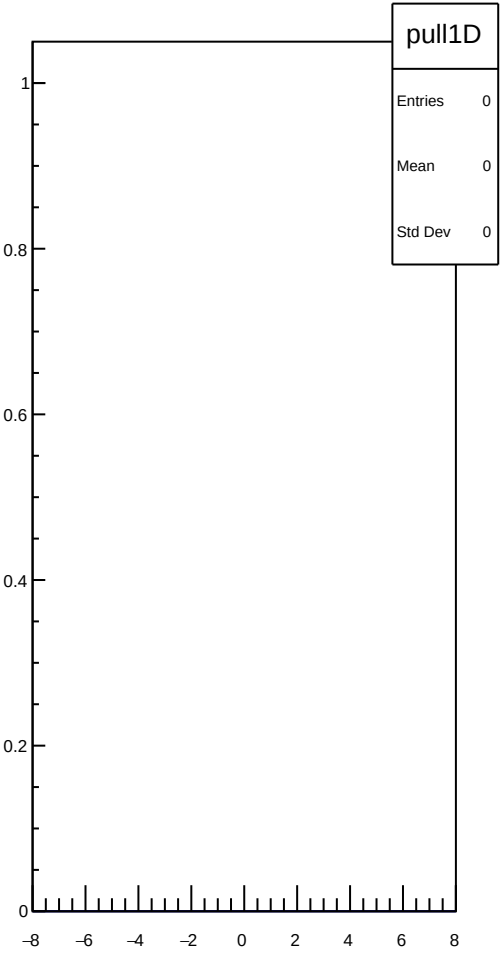

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

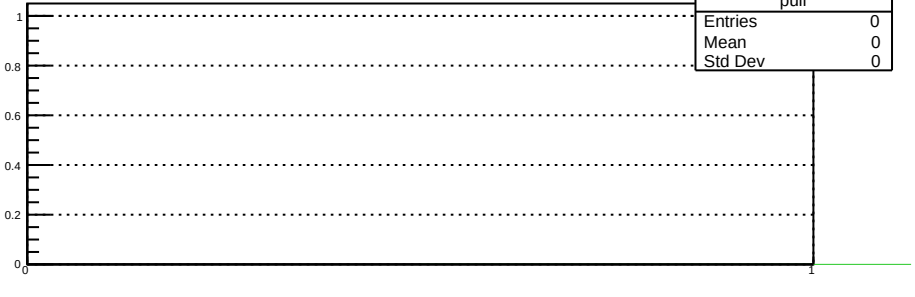

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

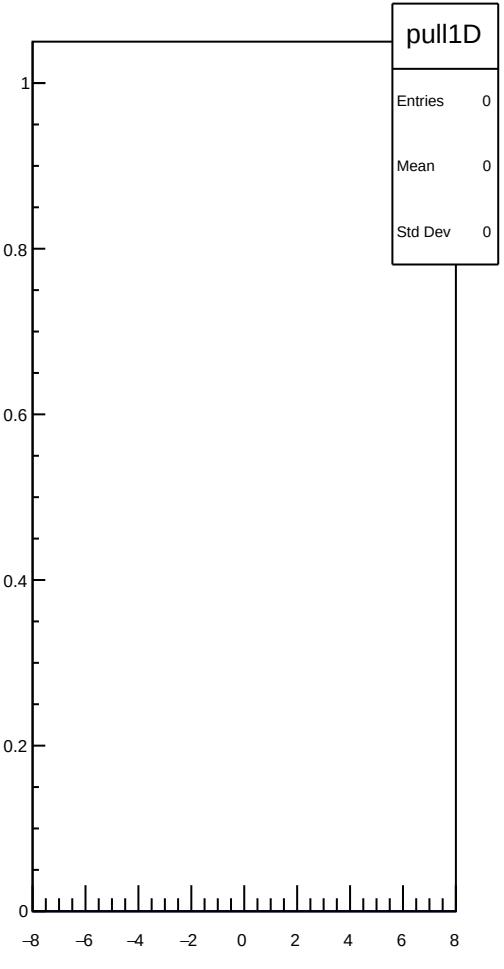

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

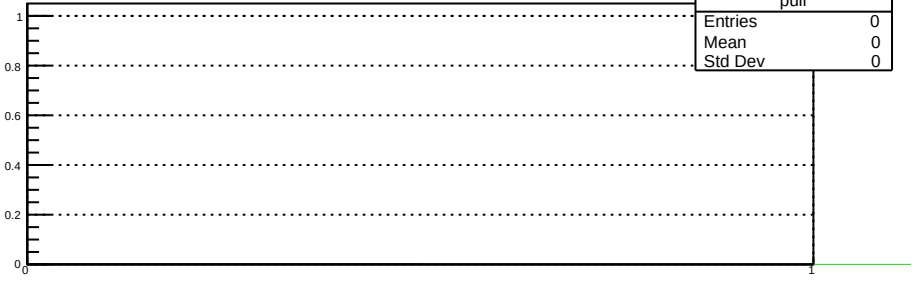

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

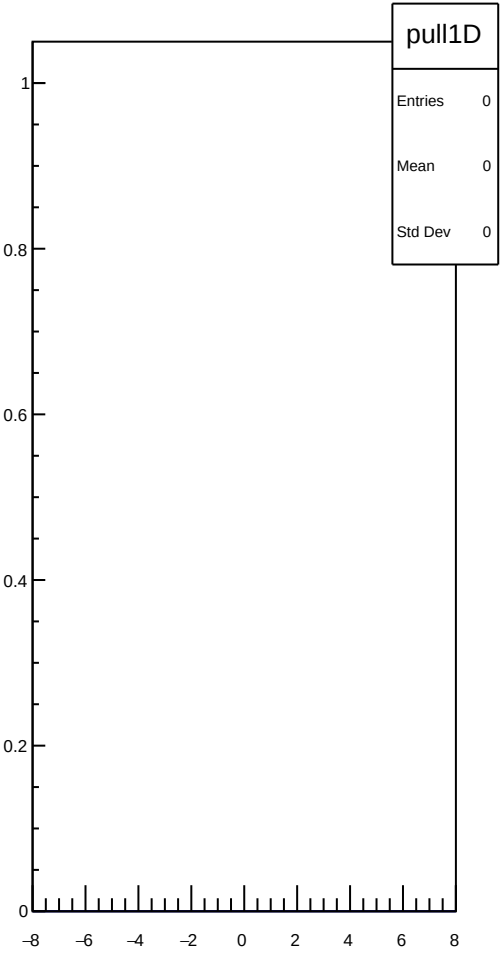

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

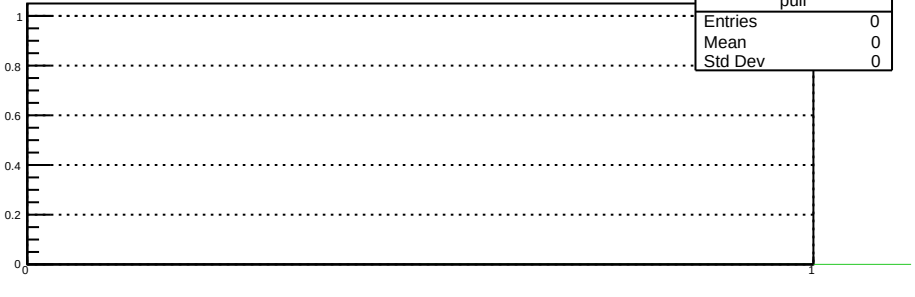

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

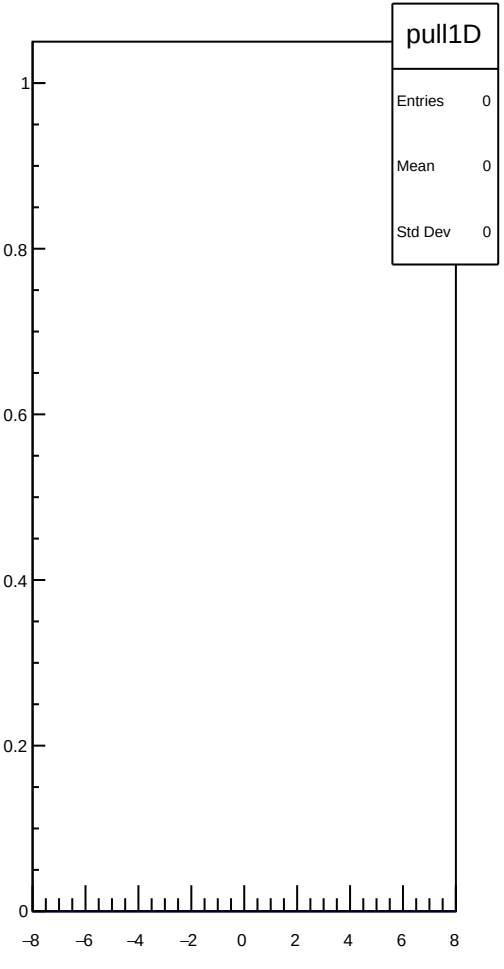

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

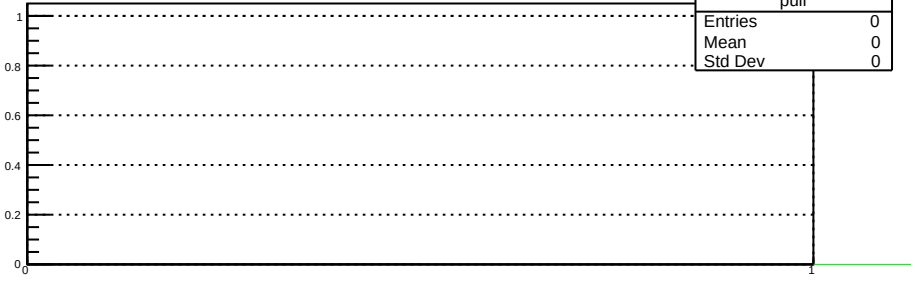

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

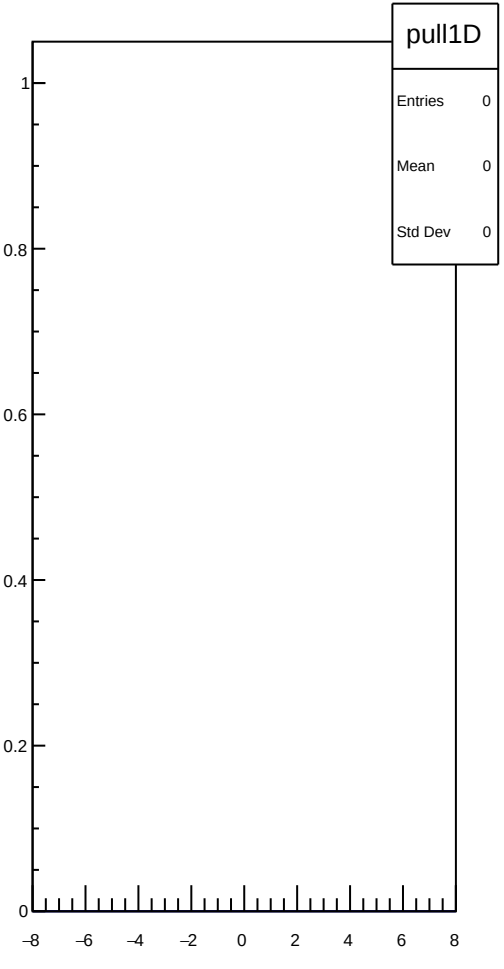

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

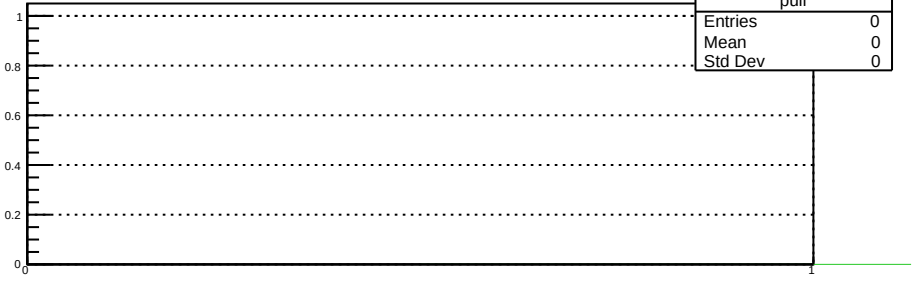

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

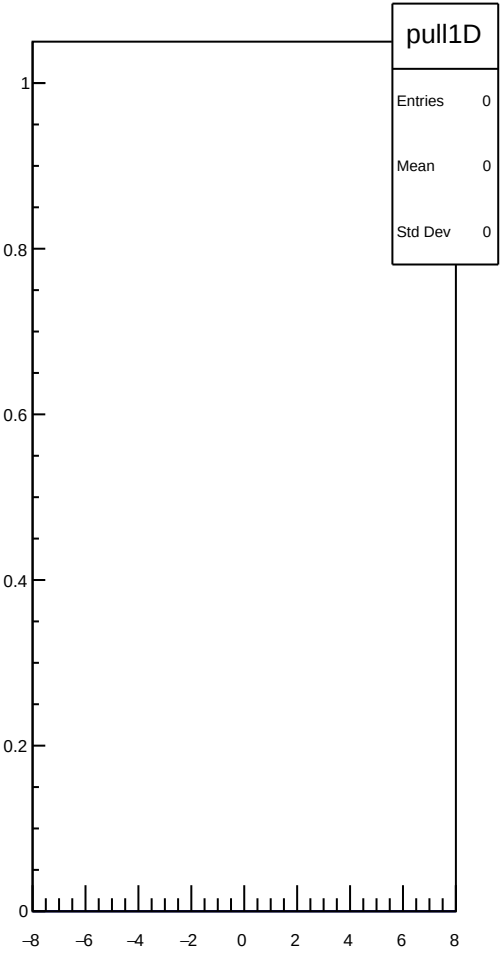

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

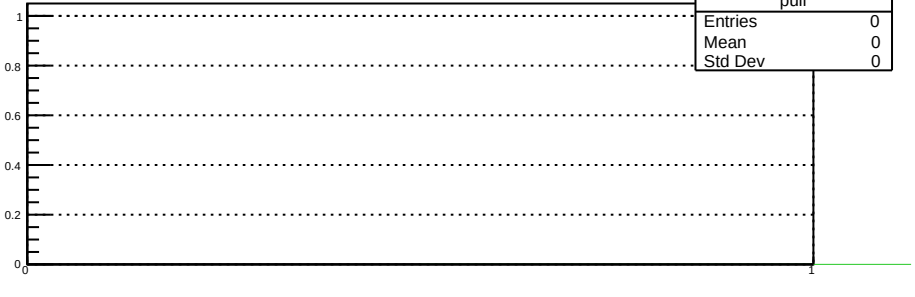

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

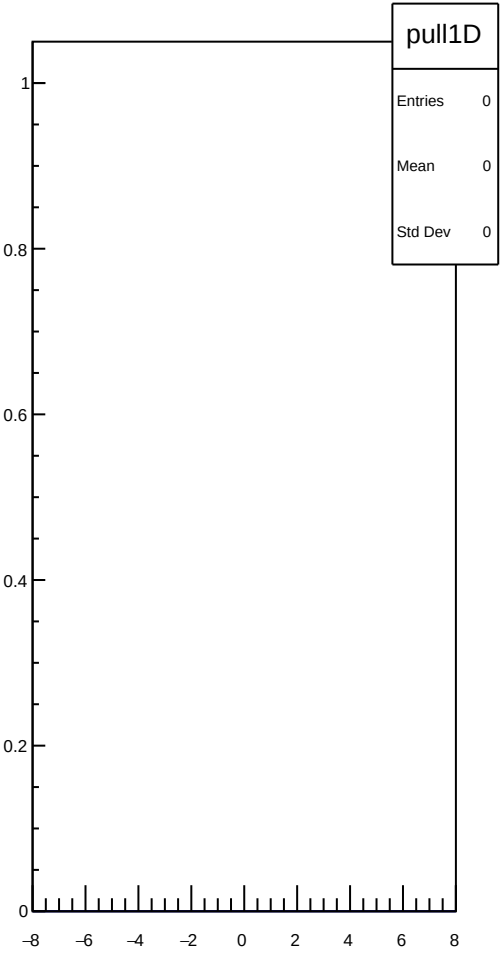

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

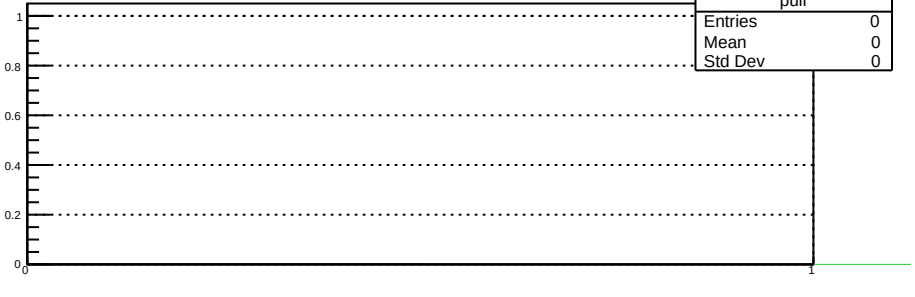

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

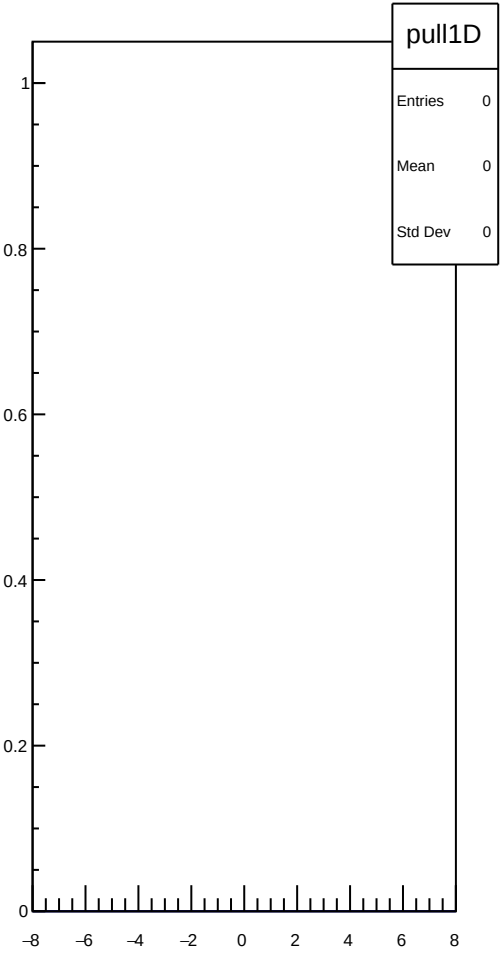

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

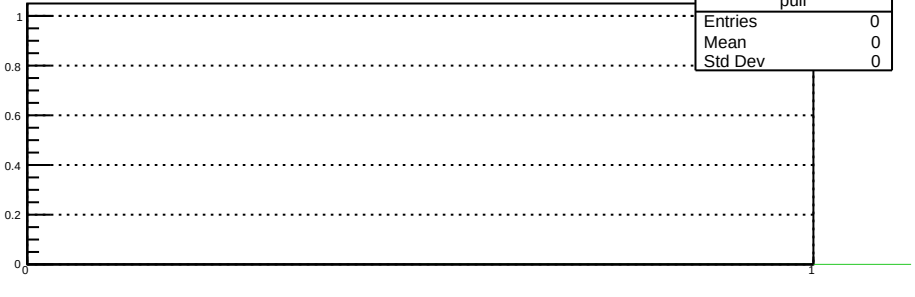

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

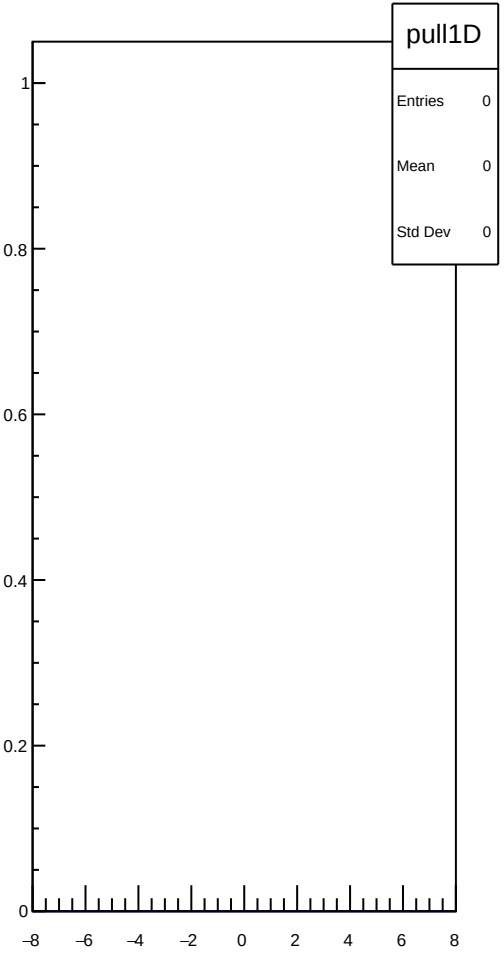

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

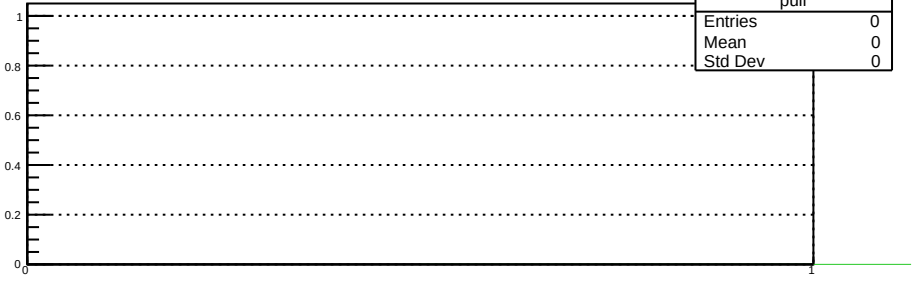

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

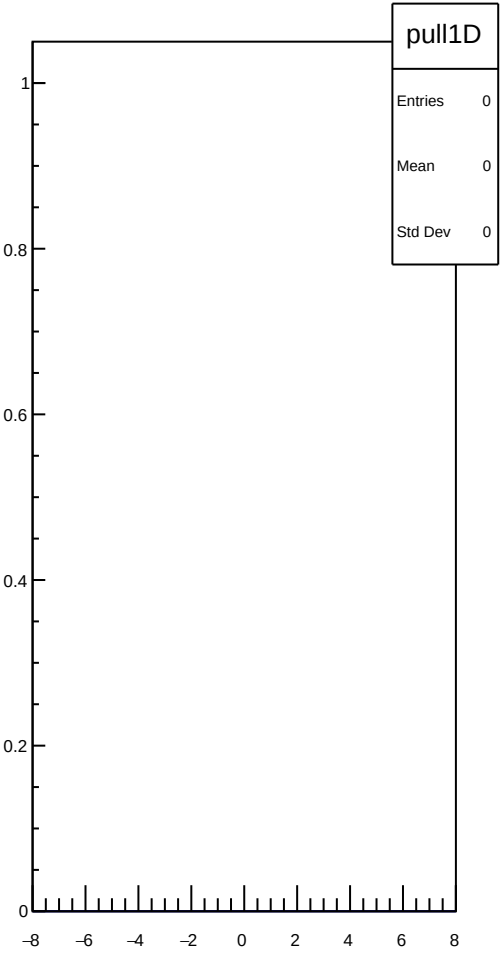

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

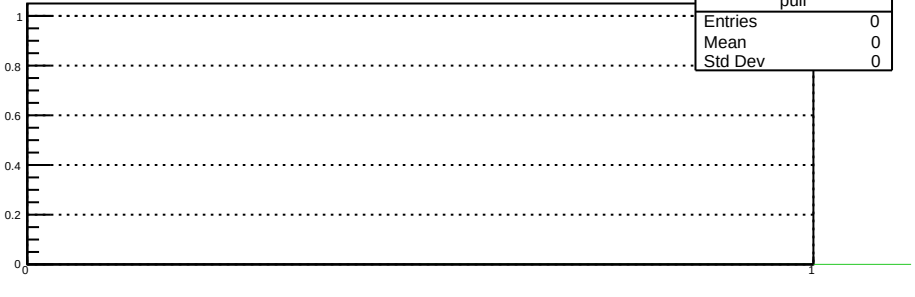

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

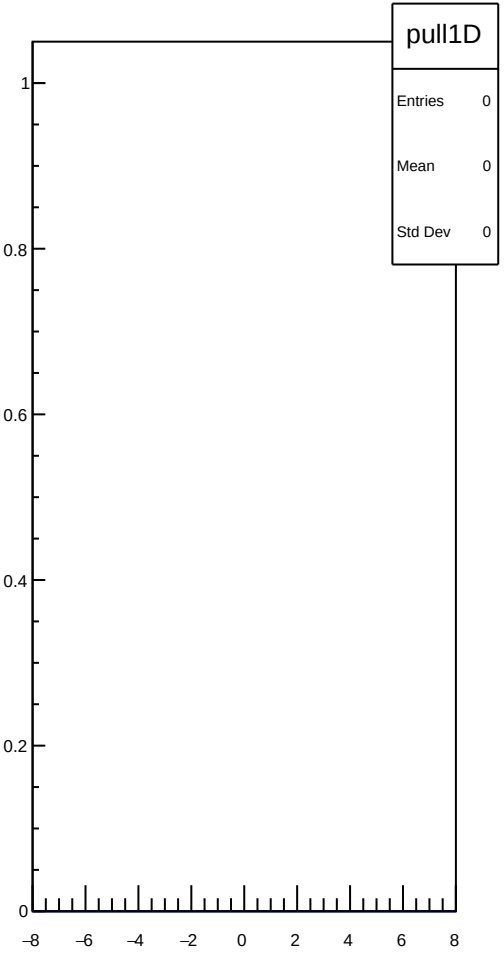

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

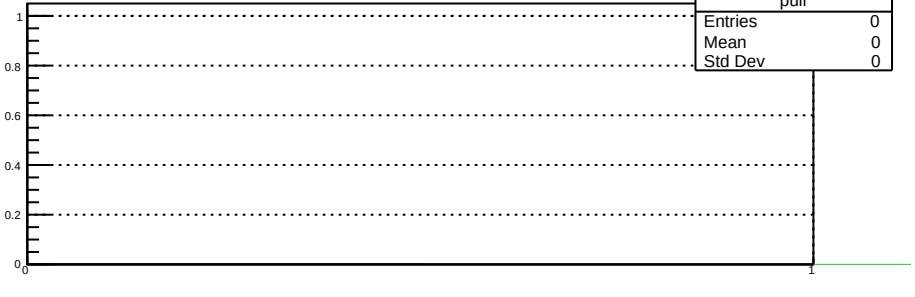

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

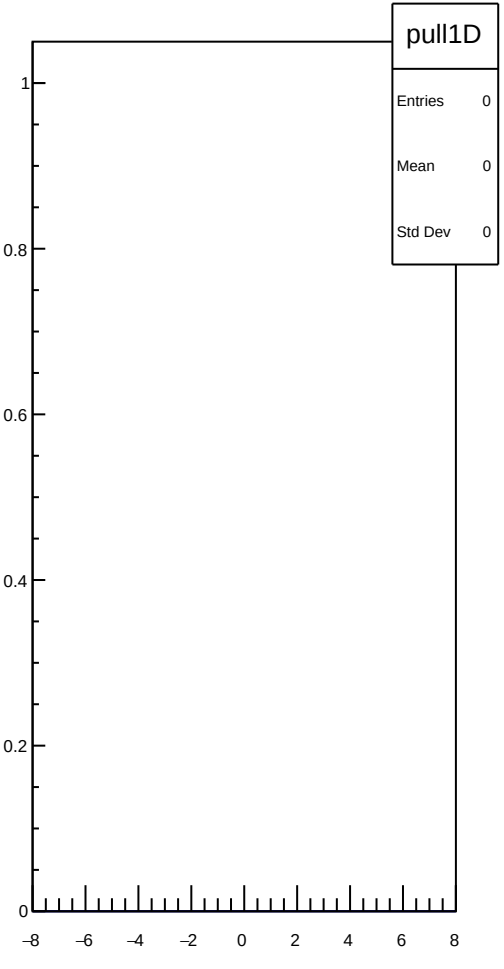

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

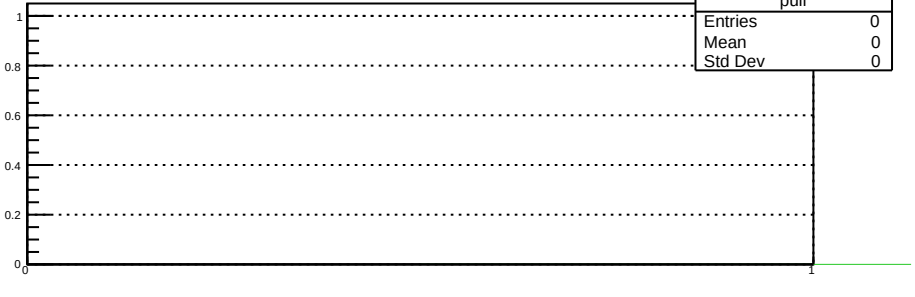

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

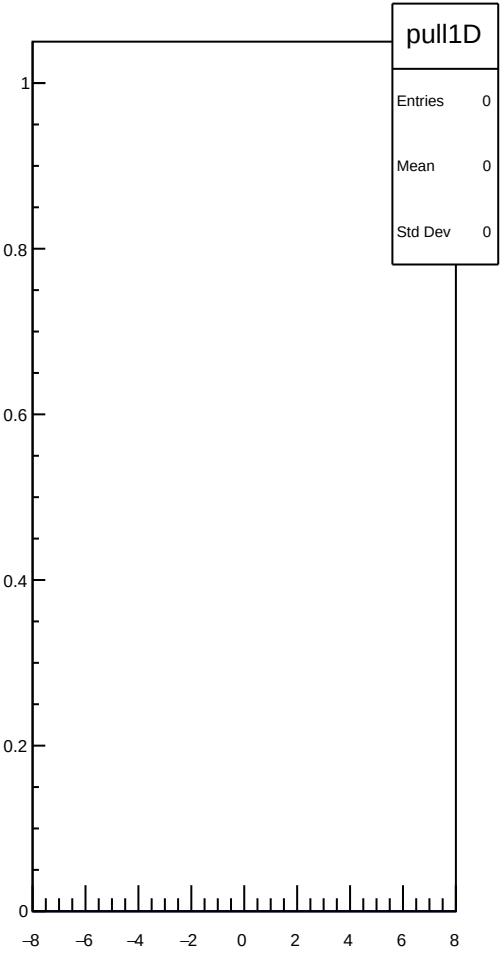

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

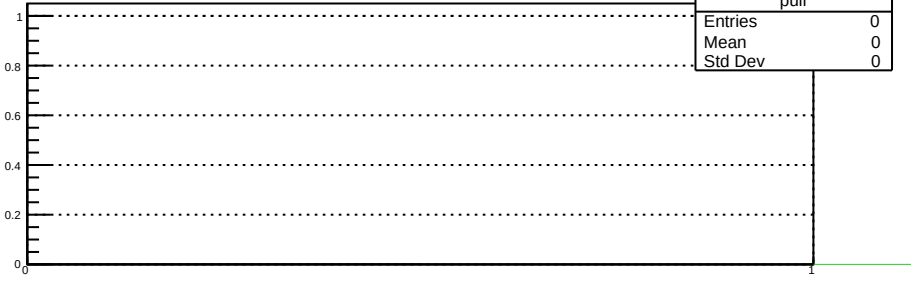

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

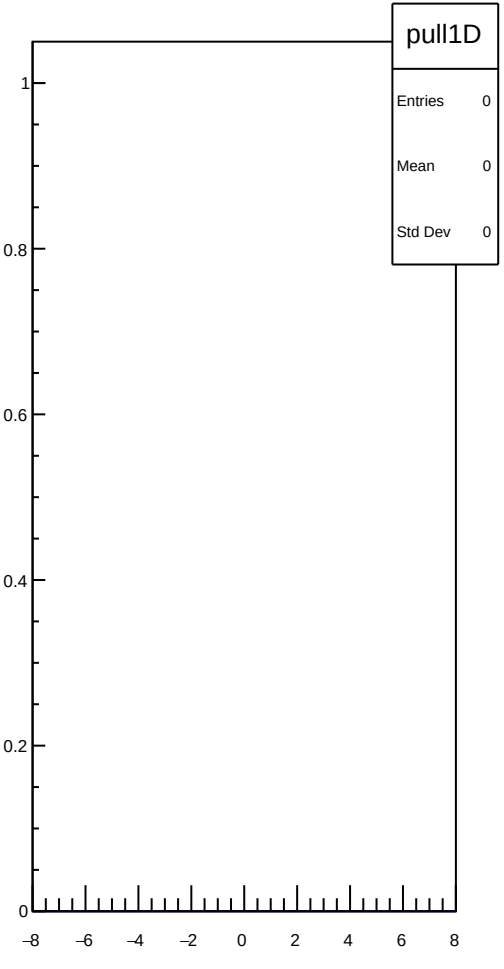

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

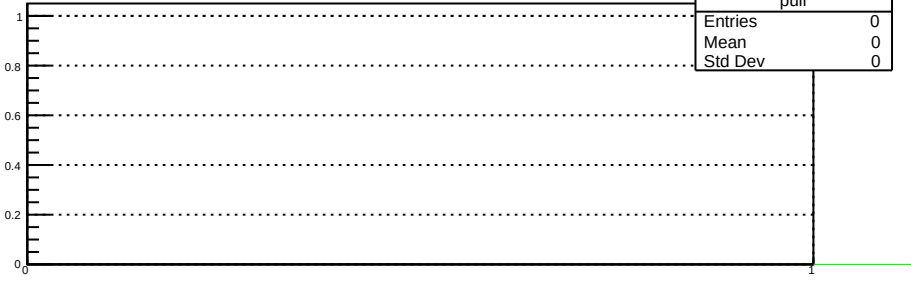

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

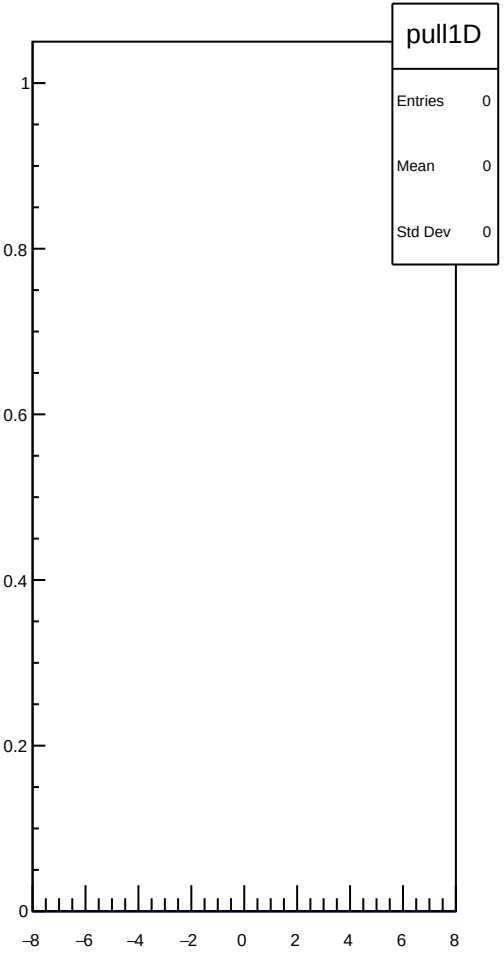

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

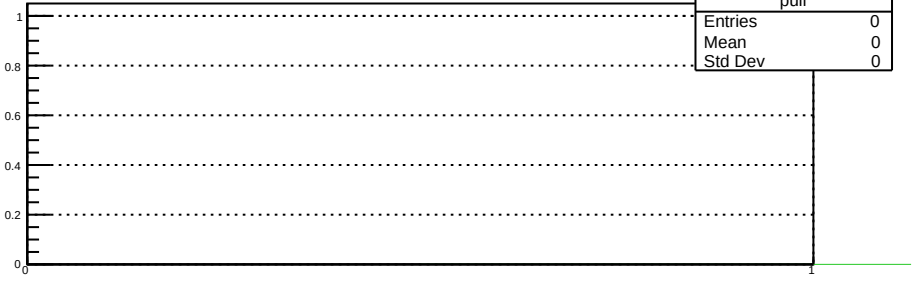

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

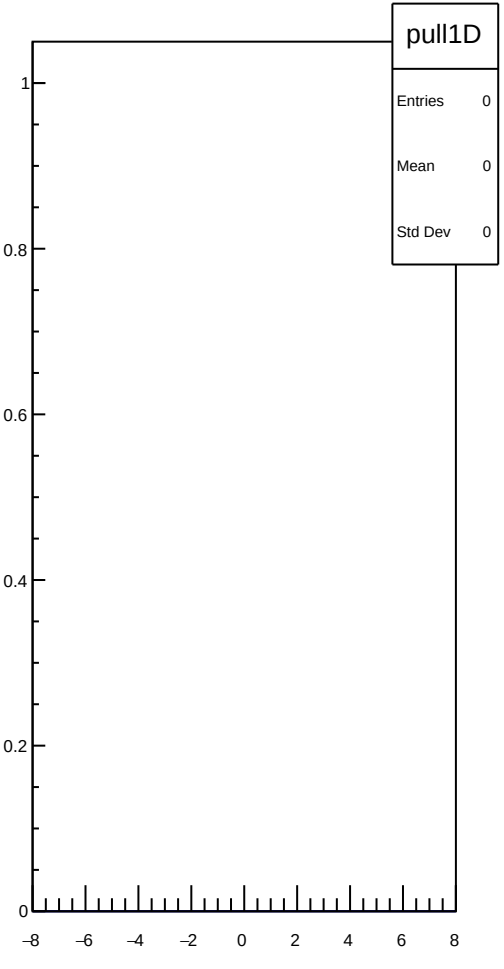

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

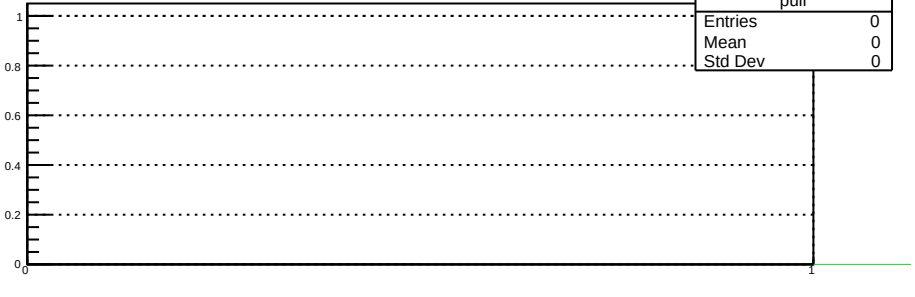

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

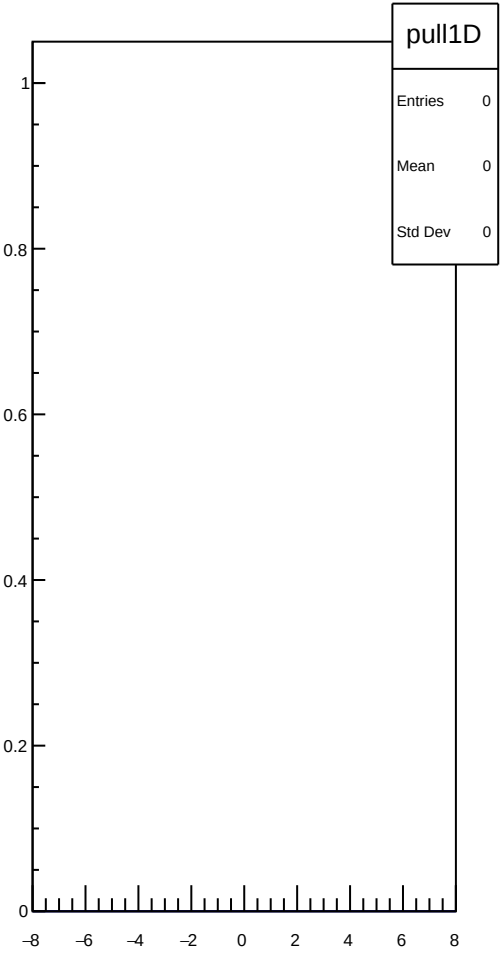

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

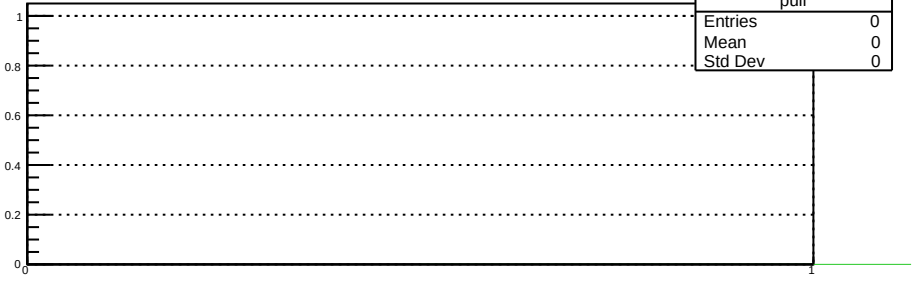

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

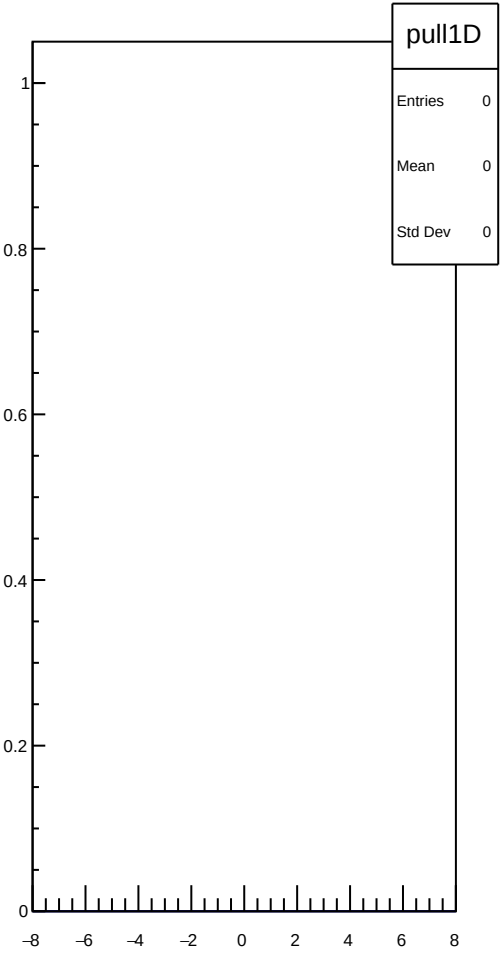

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

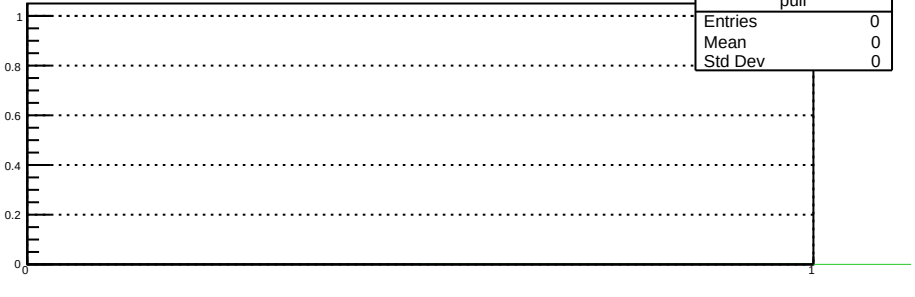

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

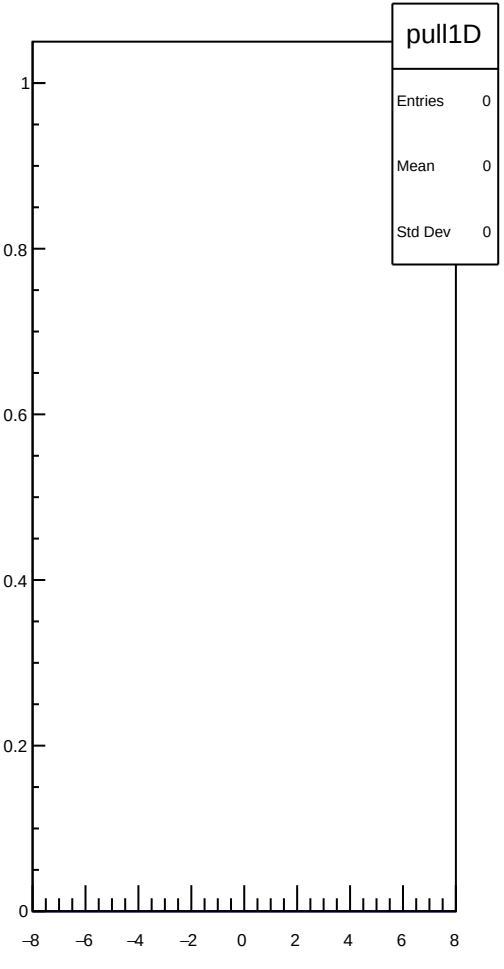

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

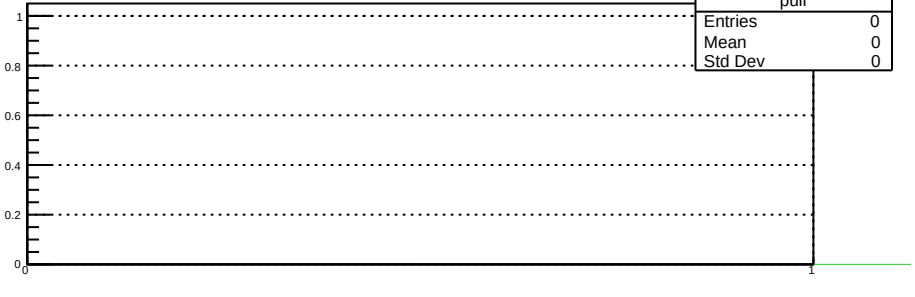

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

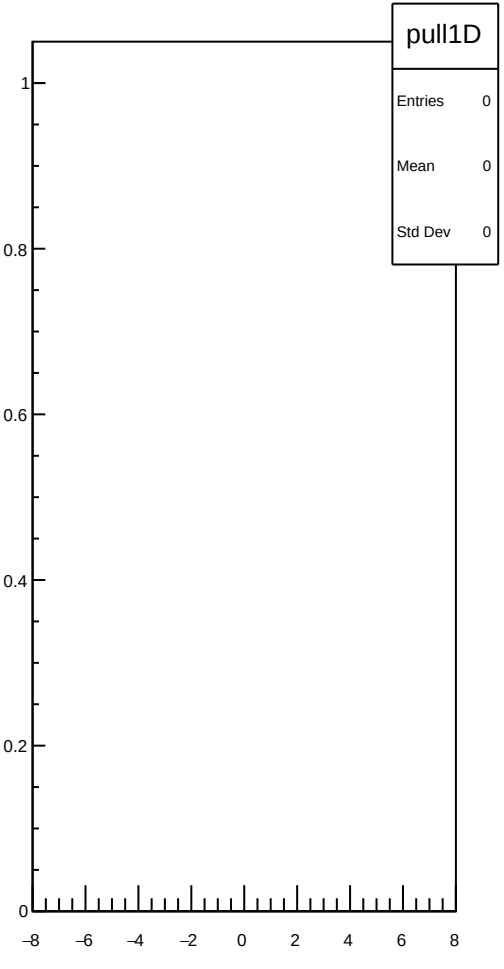

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

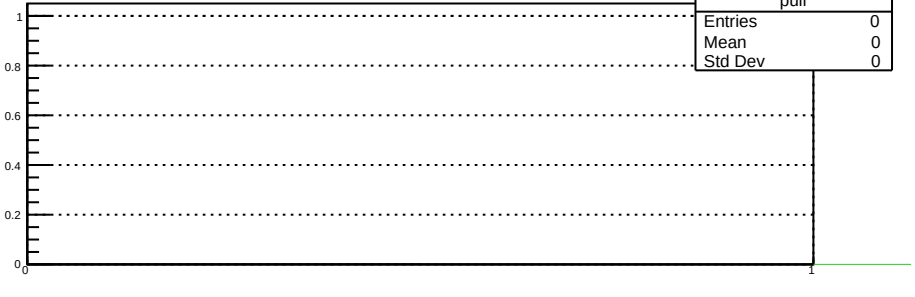

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

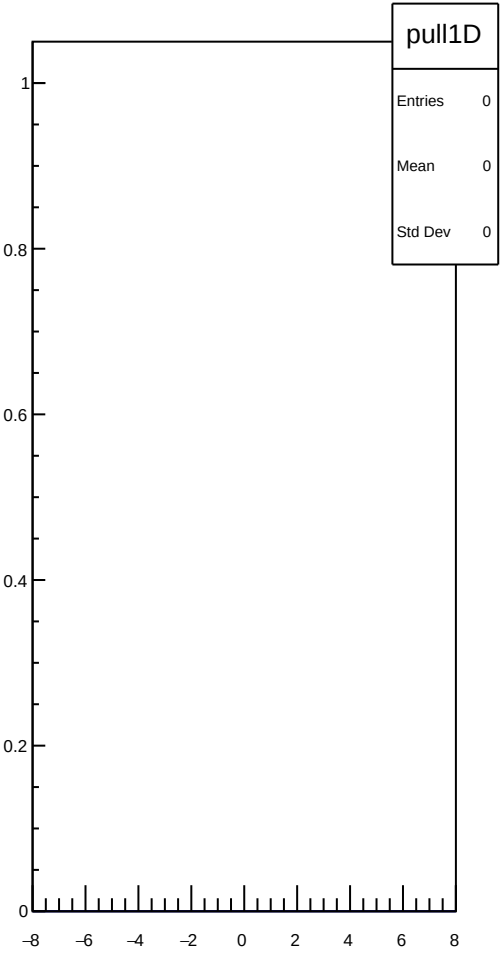

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

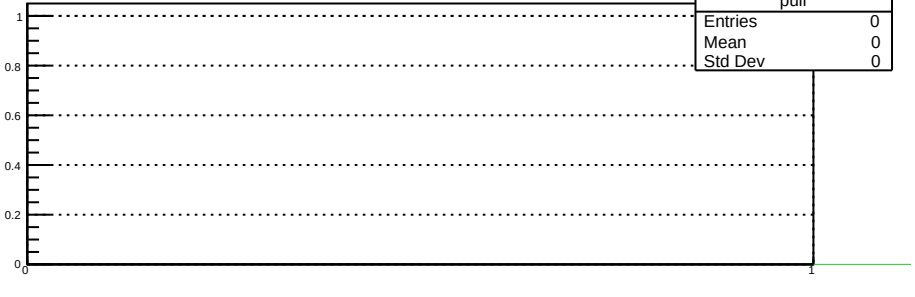

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

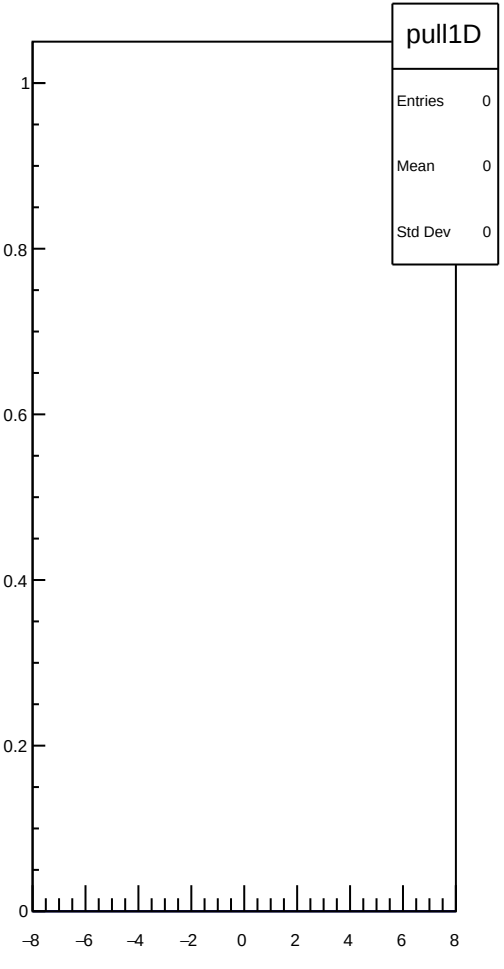

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

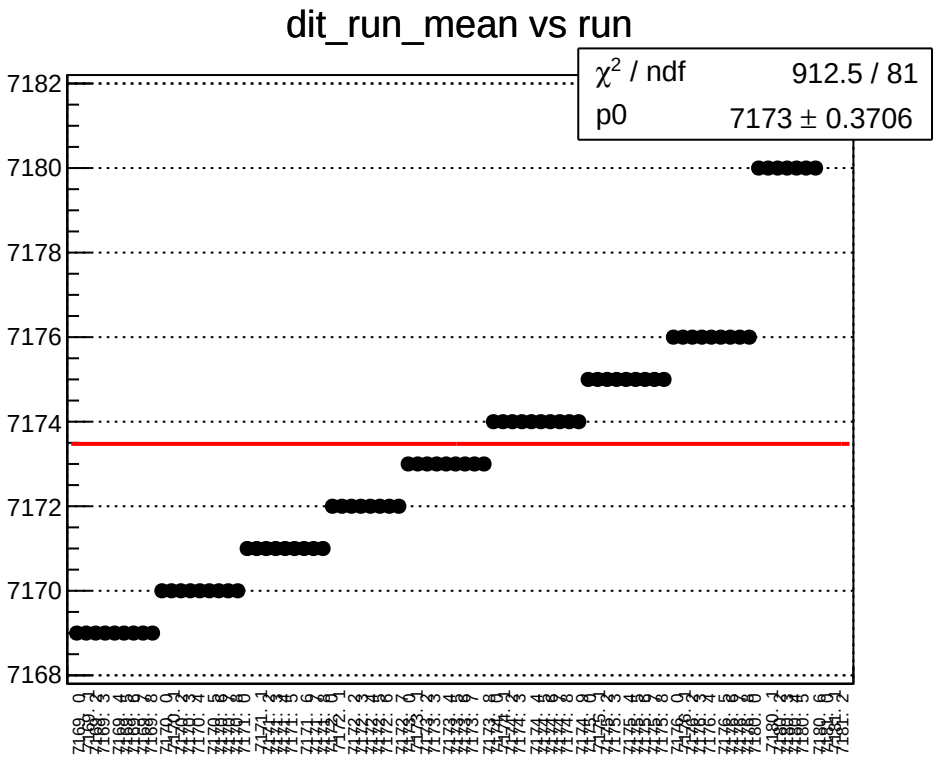

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

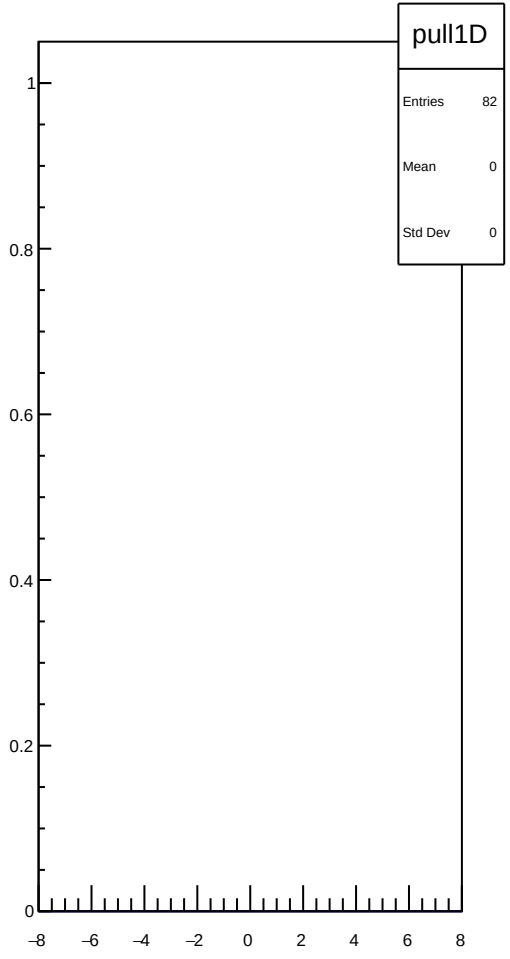

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

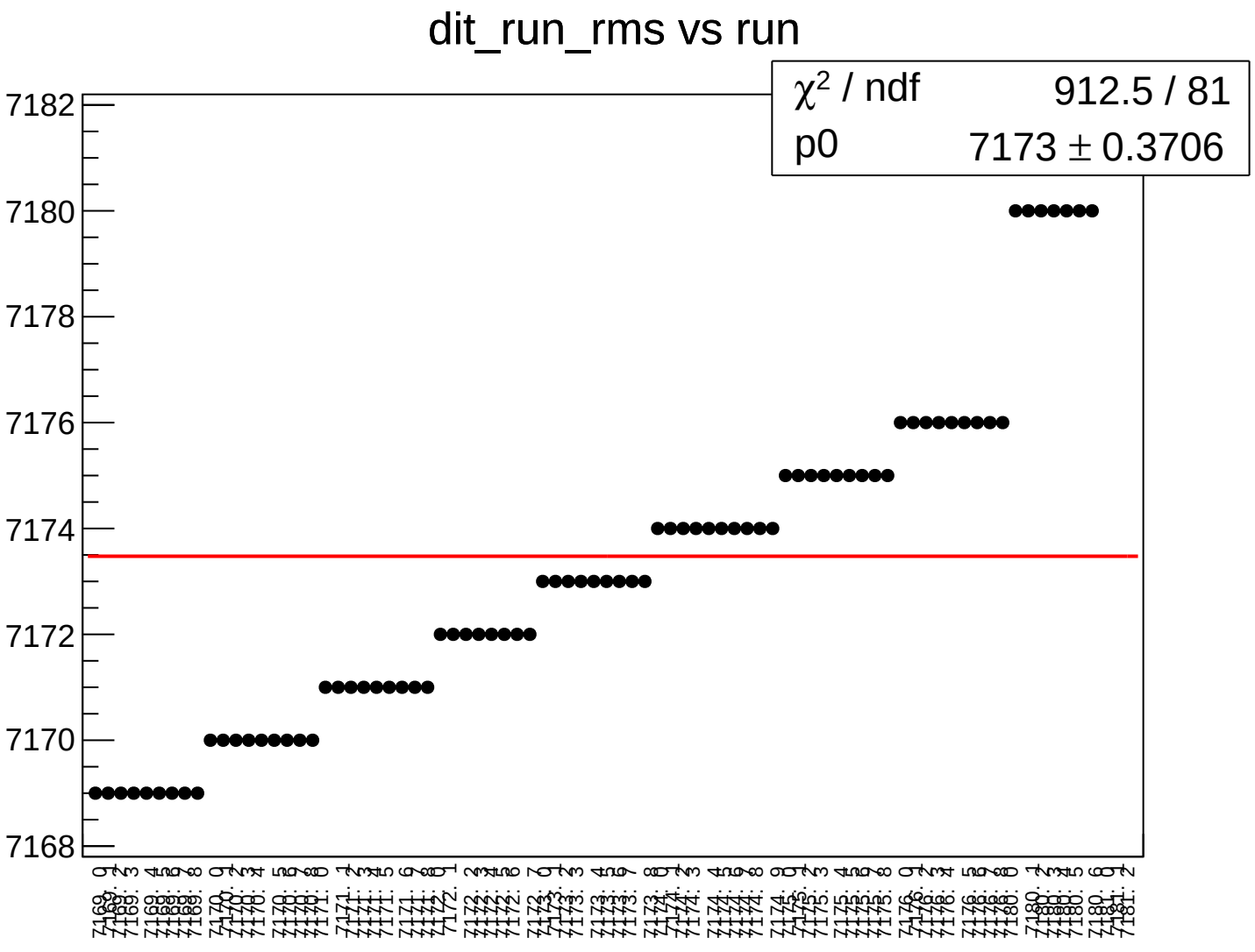

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

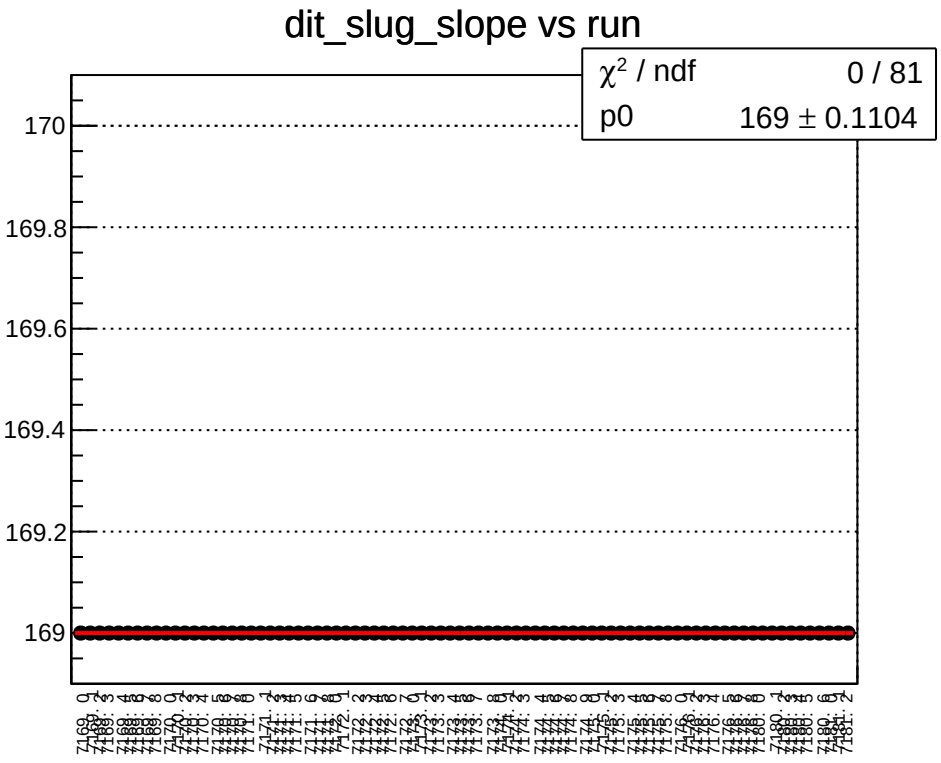

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

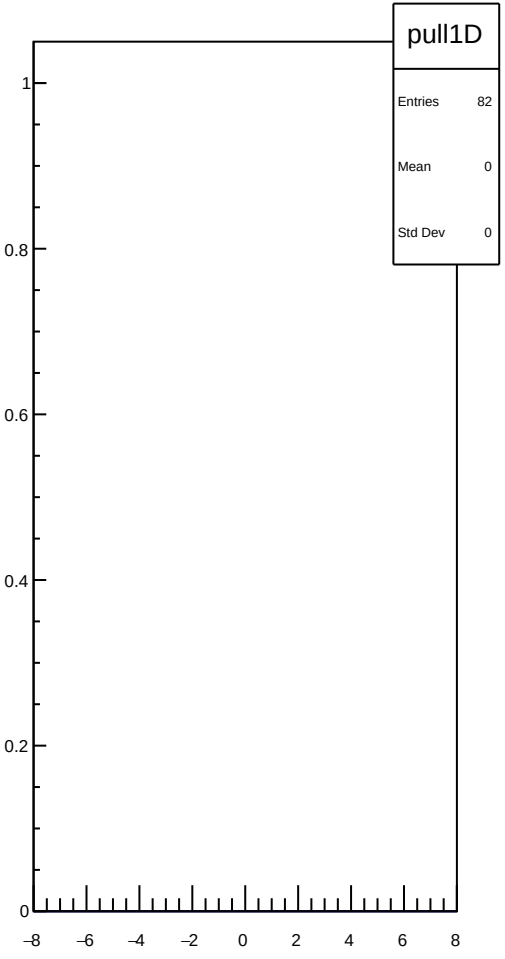

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

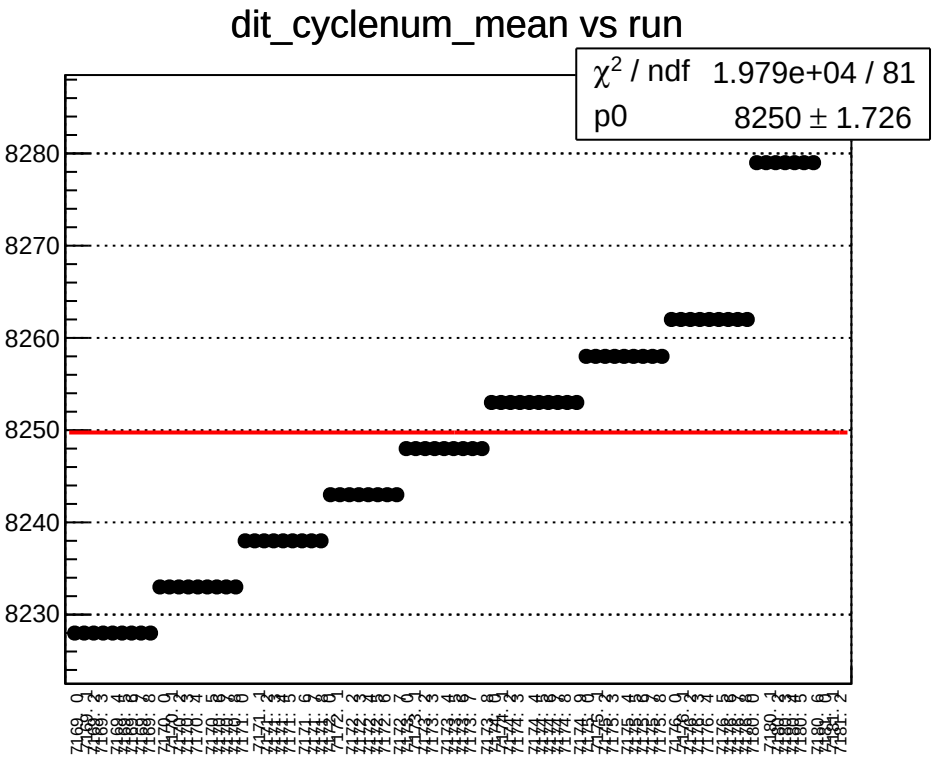

dit_run_mean vs run
χ^2 / ndf 912.5 / 81
p0 7173 ± 0.3706
7182
7180
7178
7176
7174
7172
7170
7168

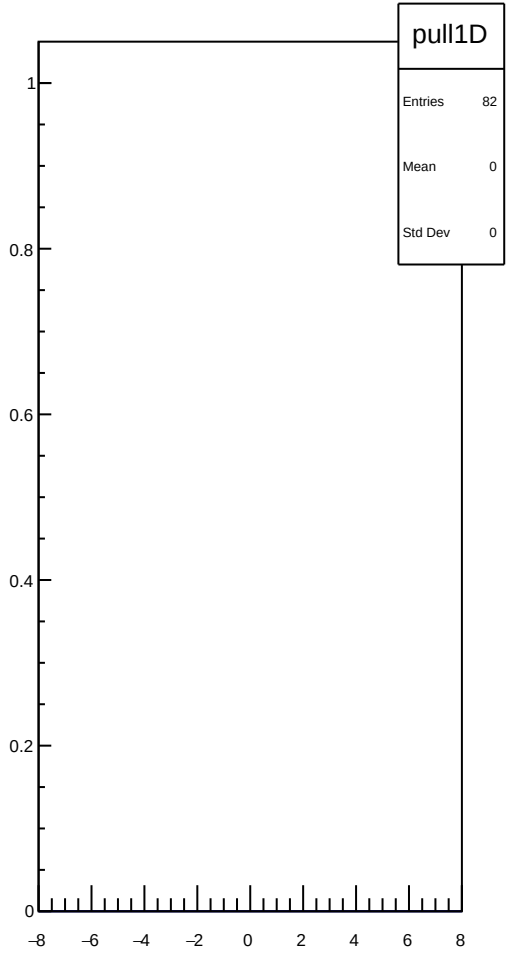

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

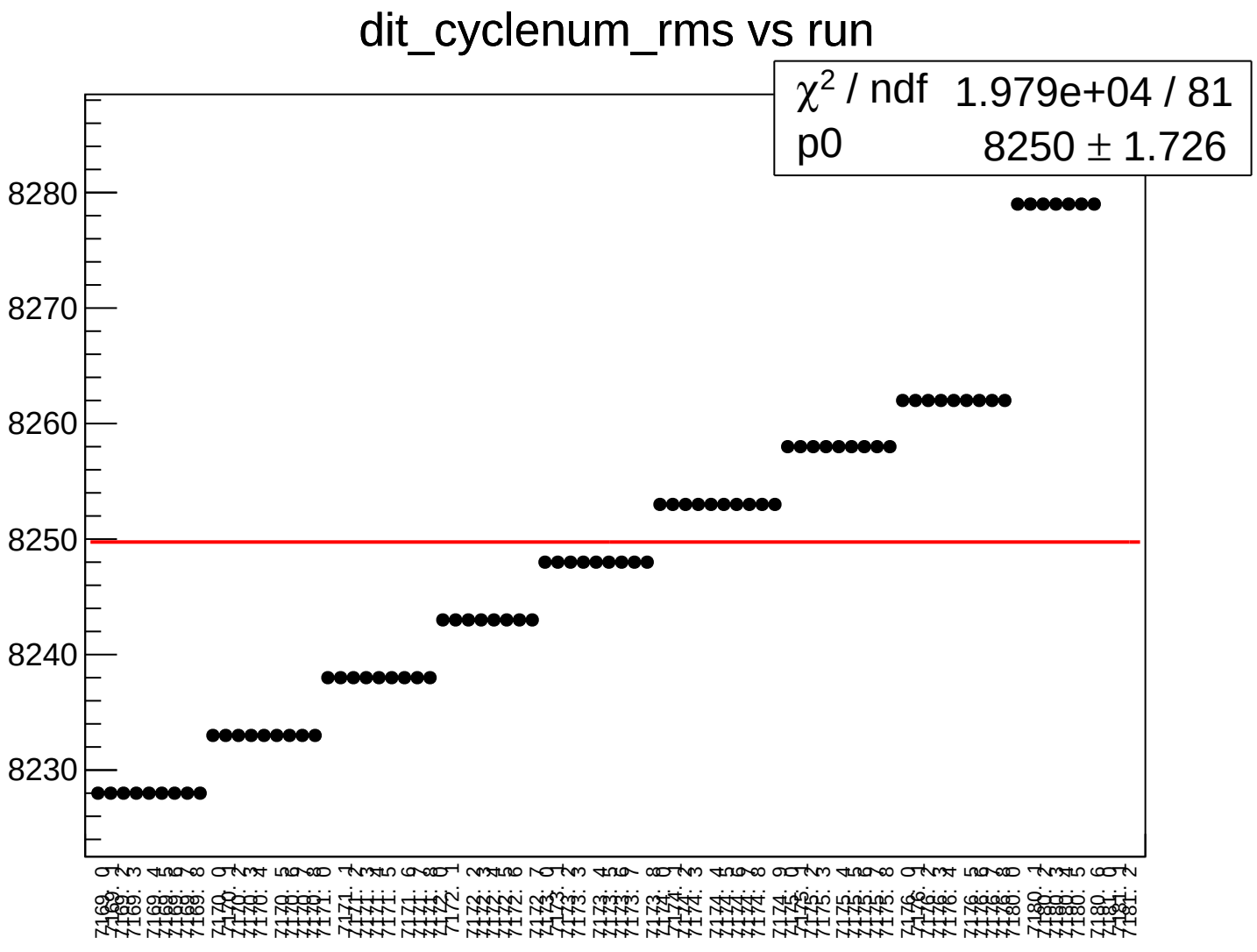

dit_run_rms vs run
χ² / ndf 912.5 / 81
p0 7173 ± 0.3706
7182
7180
7178
7176
7174
7172
7170
7168

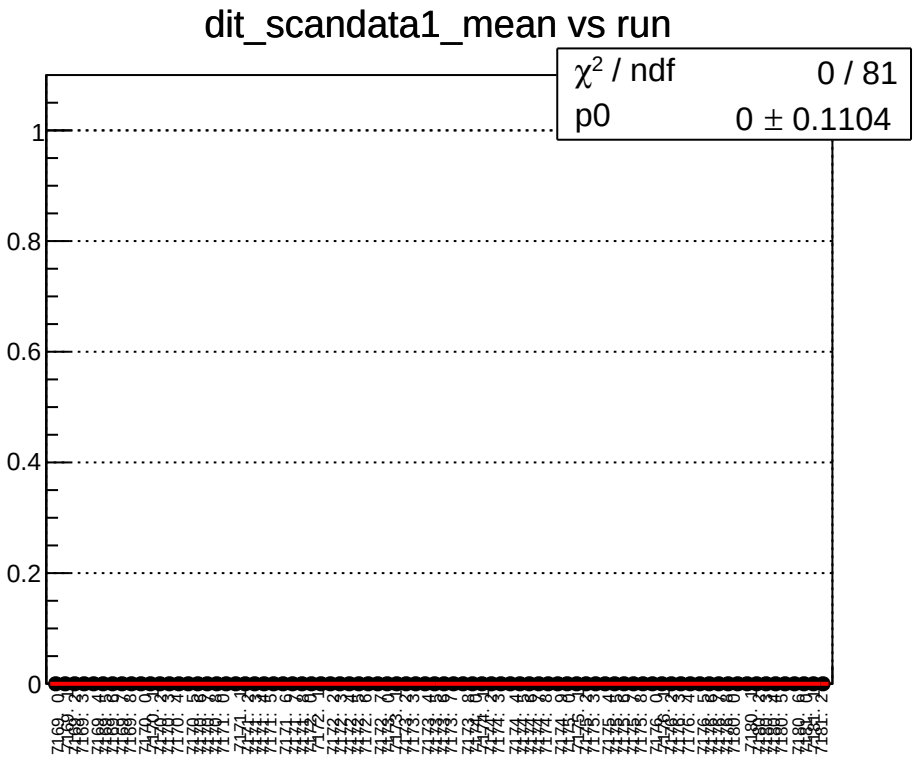

dit_slug_slope vs run
χ^2 / ndf 0 / 81
p0 169 ± 0.1104
170
169.8
169.6
169.4
169.2
169

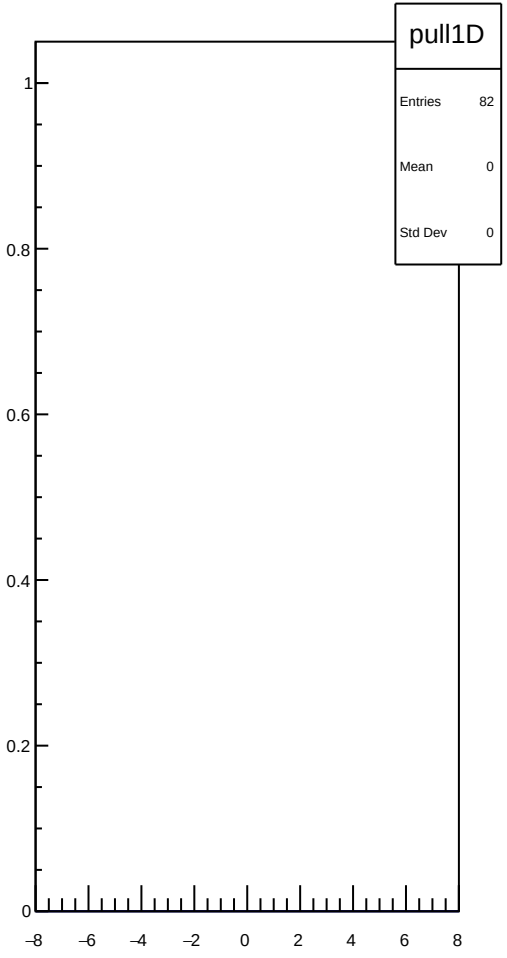

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 1.979e+04 / 81
p0 8250 ± 1.726
8280
8270
8260
8250
8240
8230

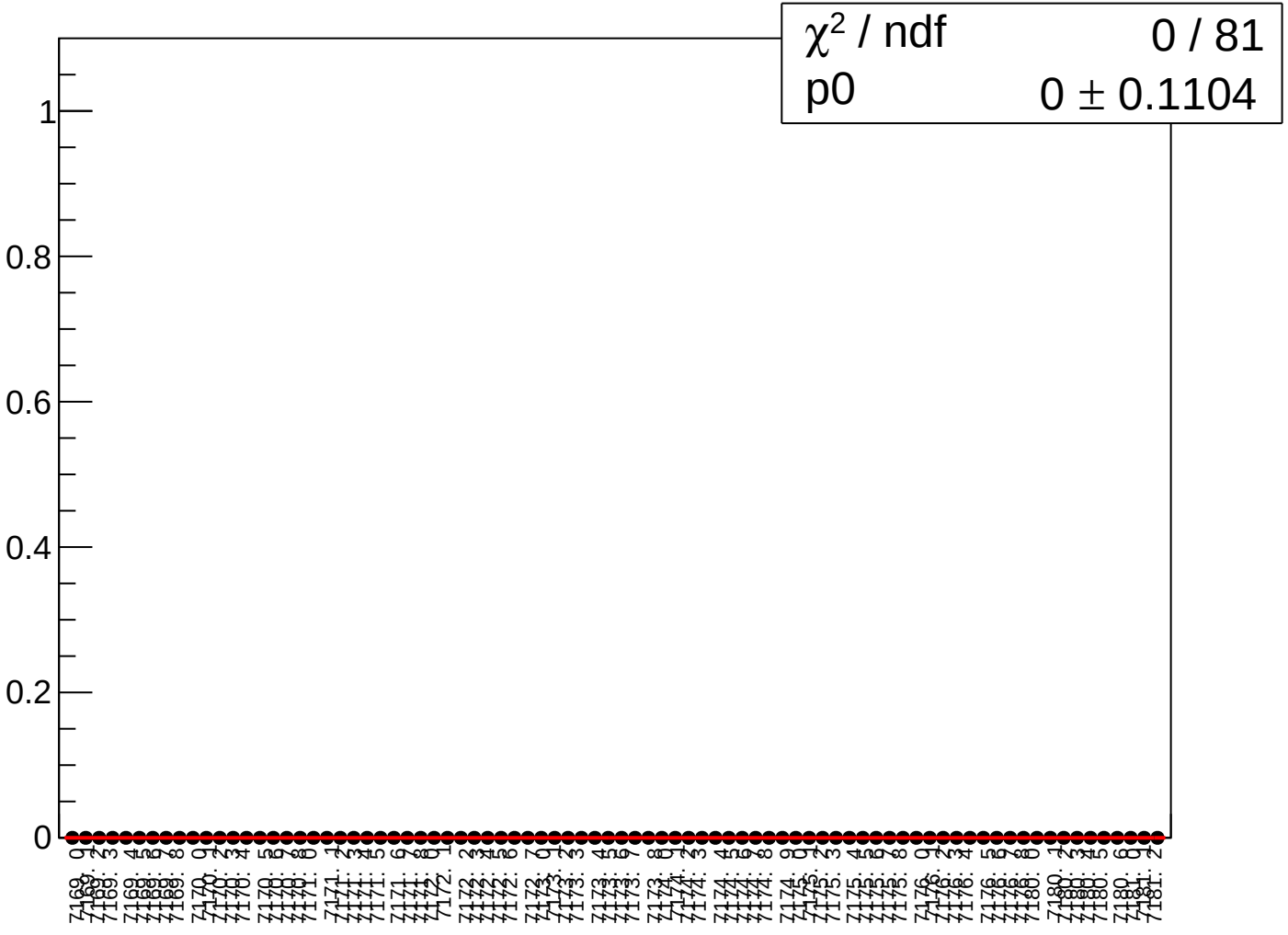

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

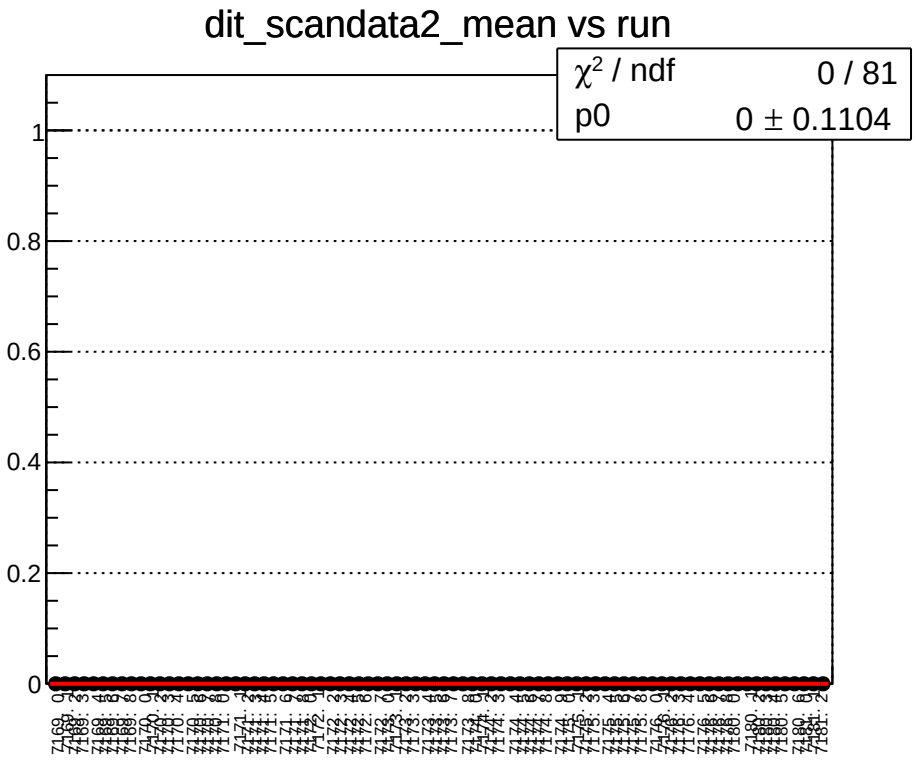

dit_cyclenum_rms vs run
χ² / ndf 1.979e+04 / 81
p0 8250 ± 1.726
8280
8270
8260
8250
8240
8230

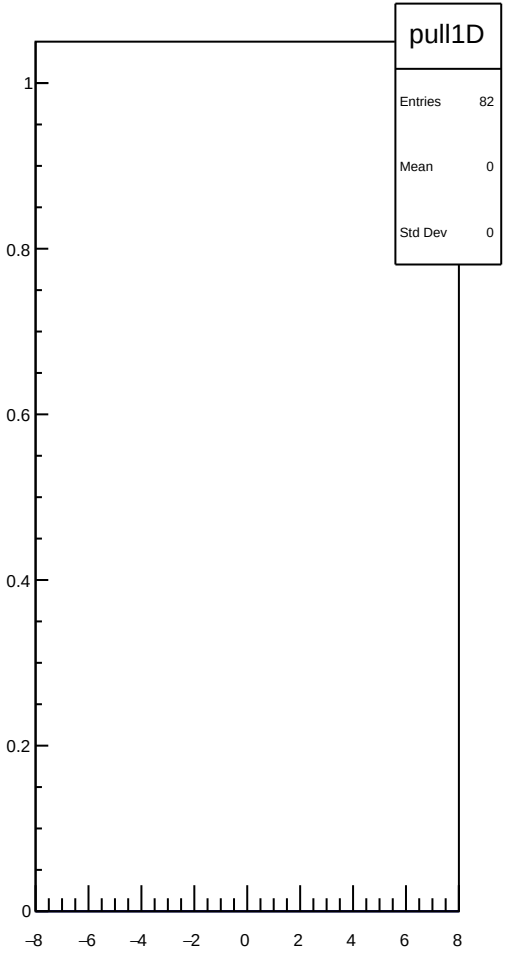

dit_scandata1_mean vs run
χ^2 / ndf 0 / 81
p0 0 ± 0.1104
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

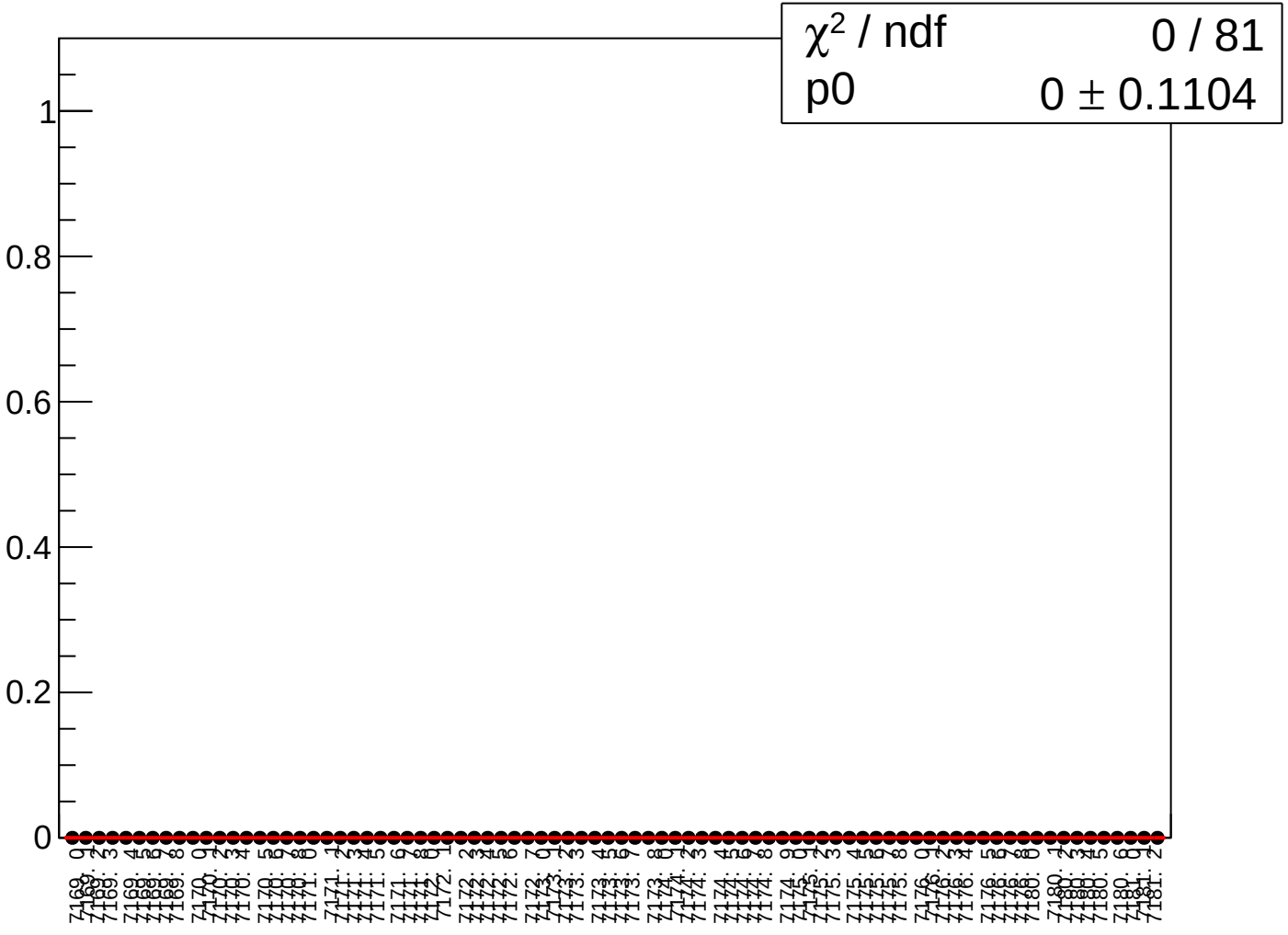
dit_scandata1_rms vs run

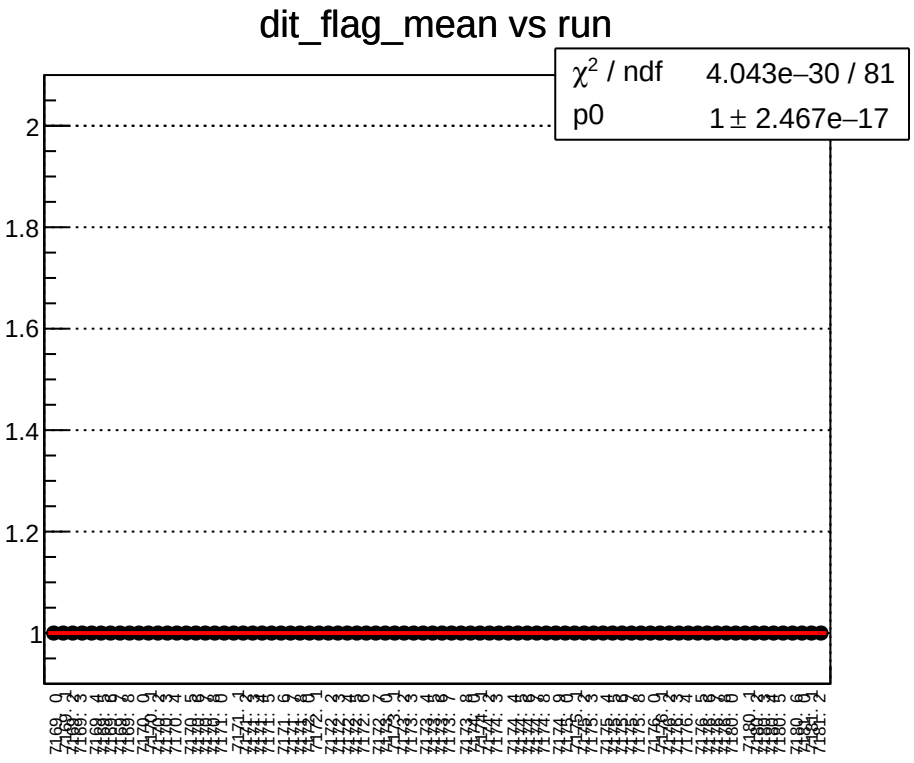


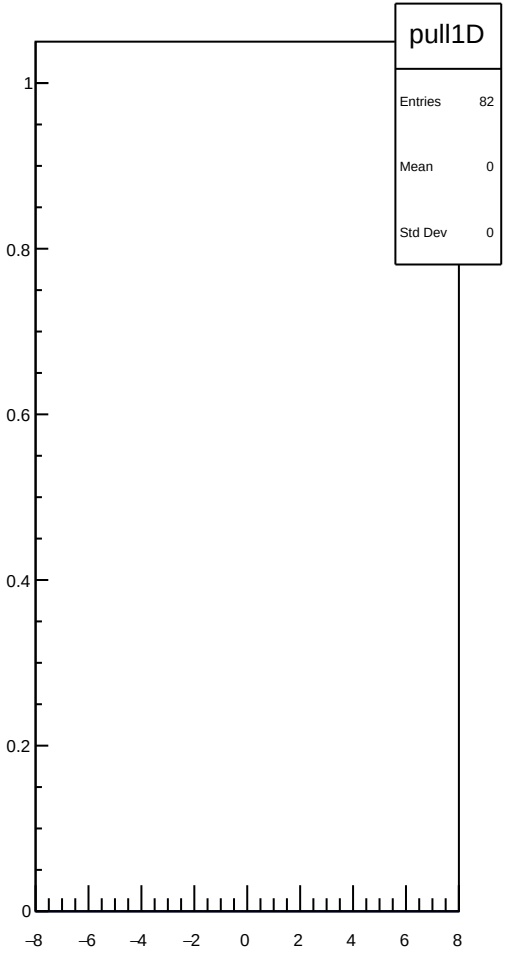

dit_scandata2_mean vs run
χ^2 / ndf 0 / 81
p0 0 ± 0.1104
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

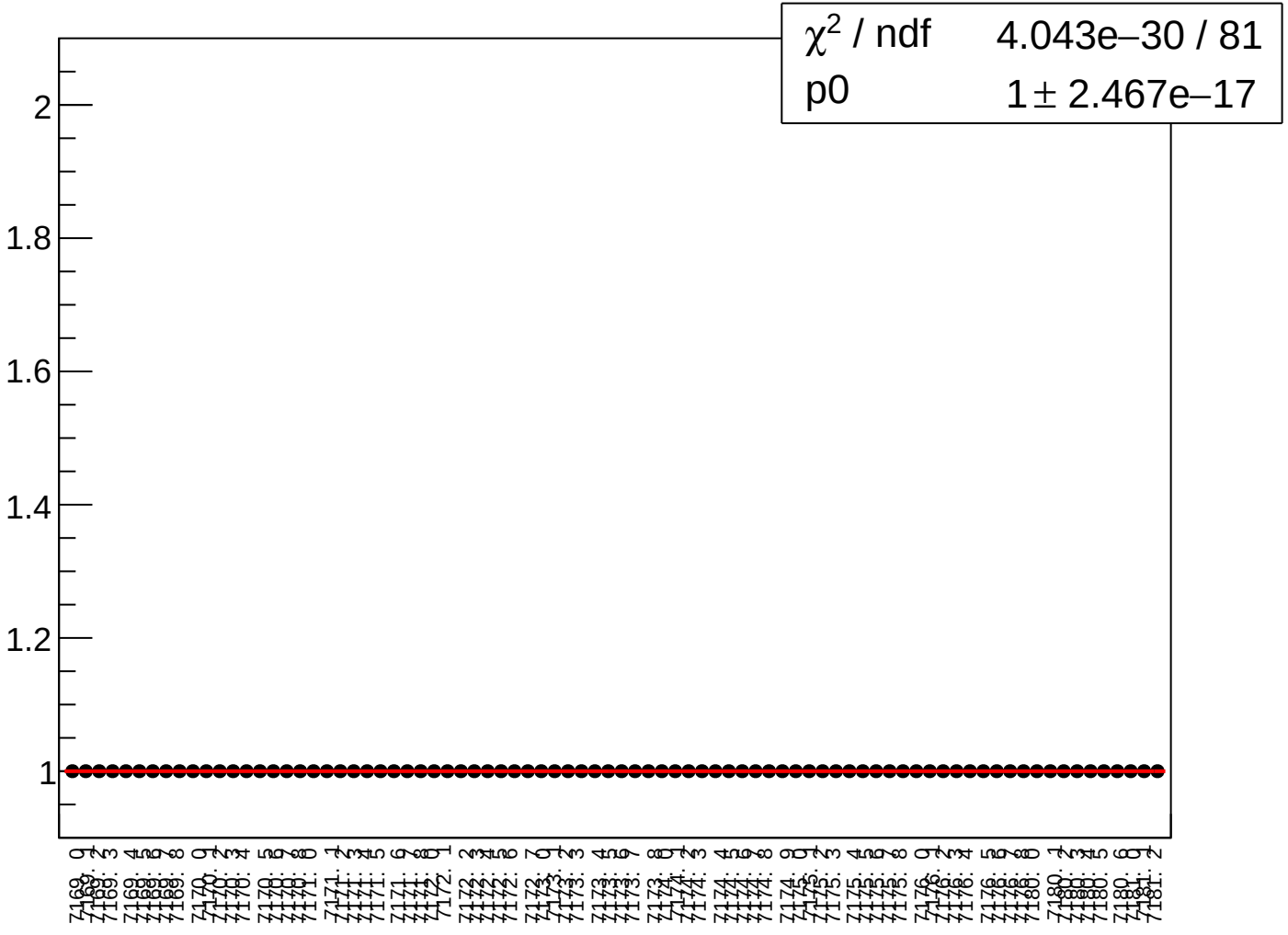
dit_scandata2_rms vs run

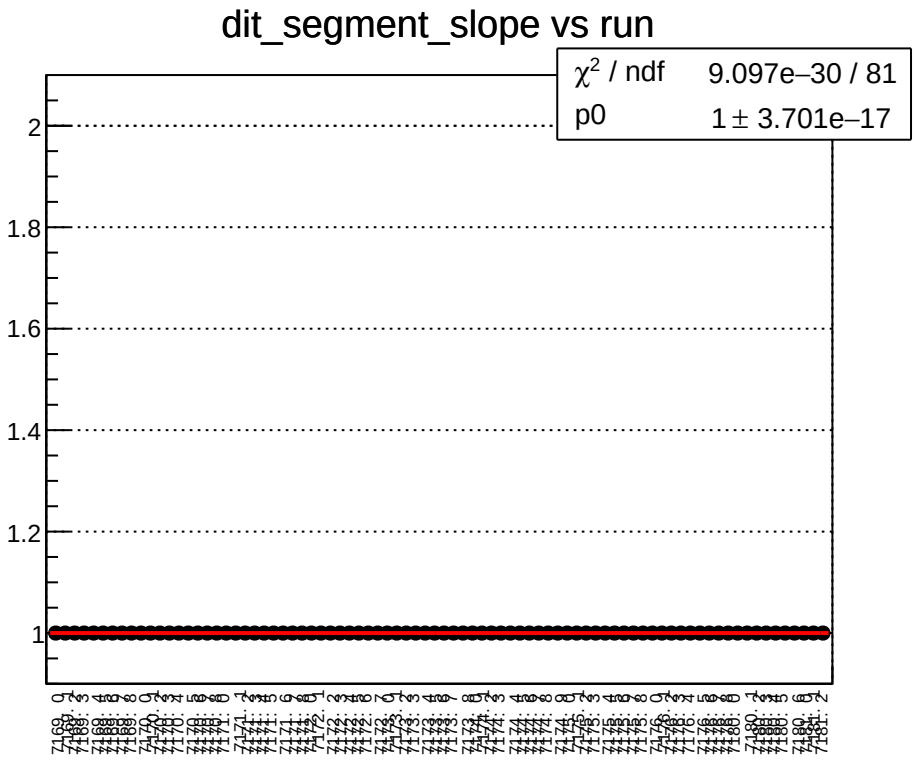


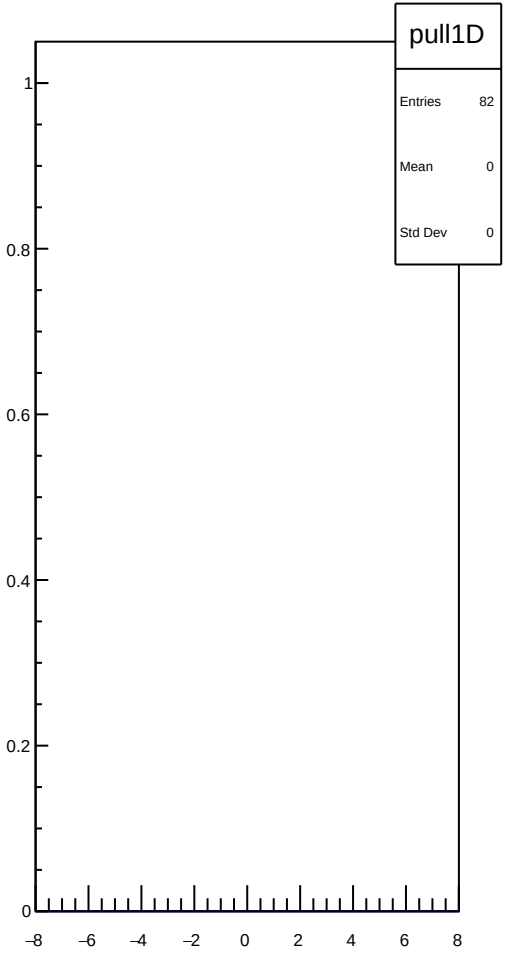

dit_flag_mean vs run
χ^2 / ndf 4.043e–30 / 81
p0 1 ± 2.467e–17
2
1.8
1.6
1.4
1.2
1

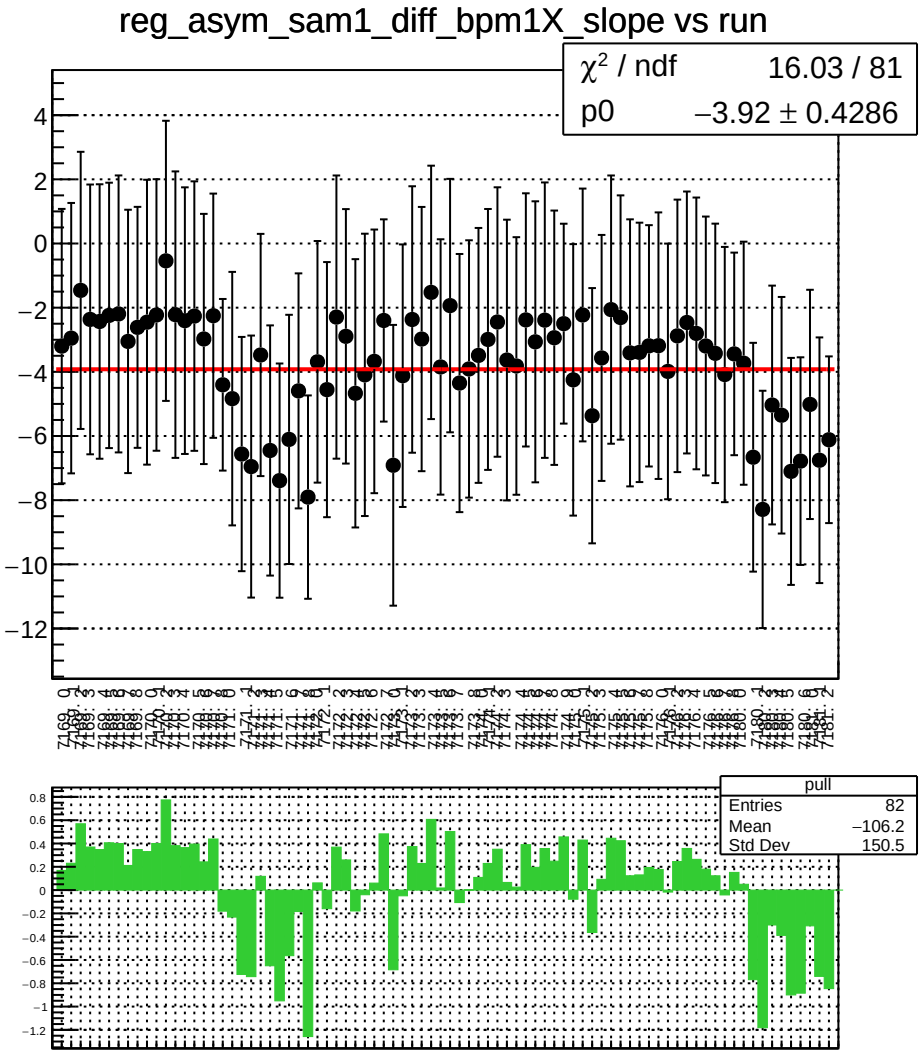

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

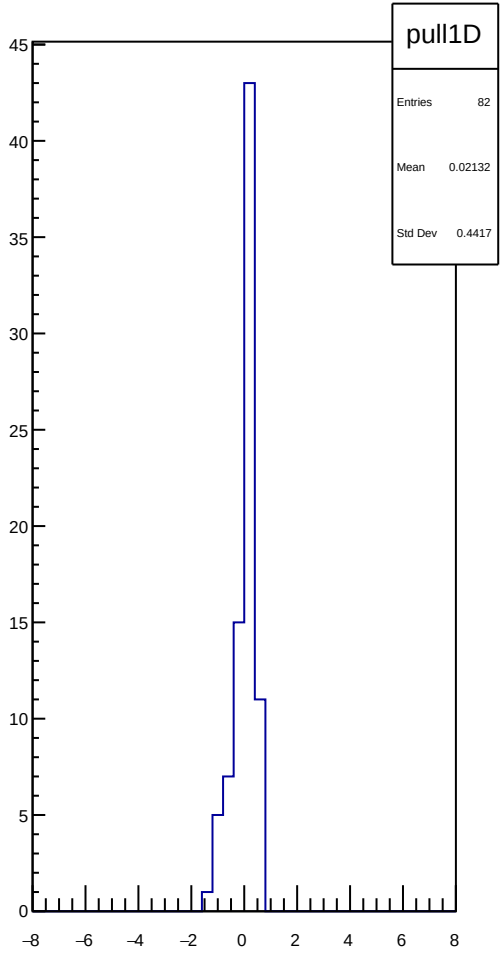
dit_flag_rms vs run

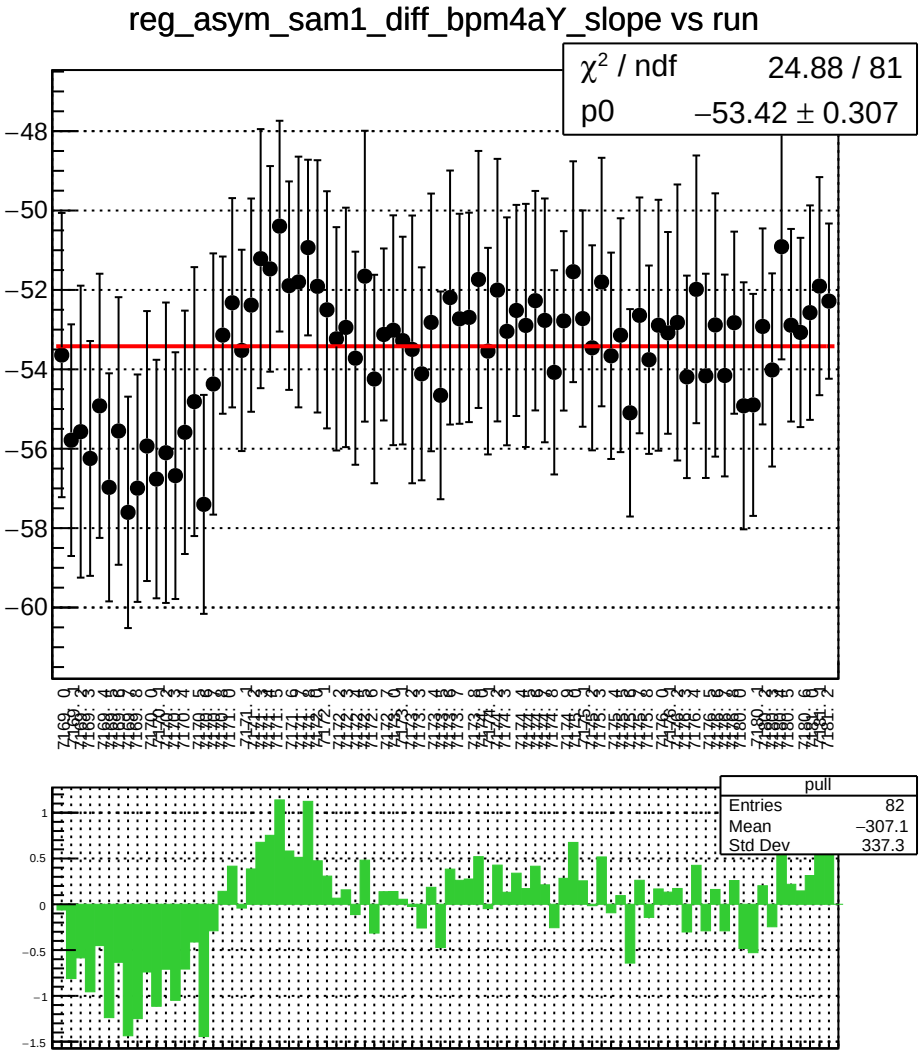


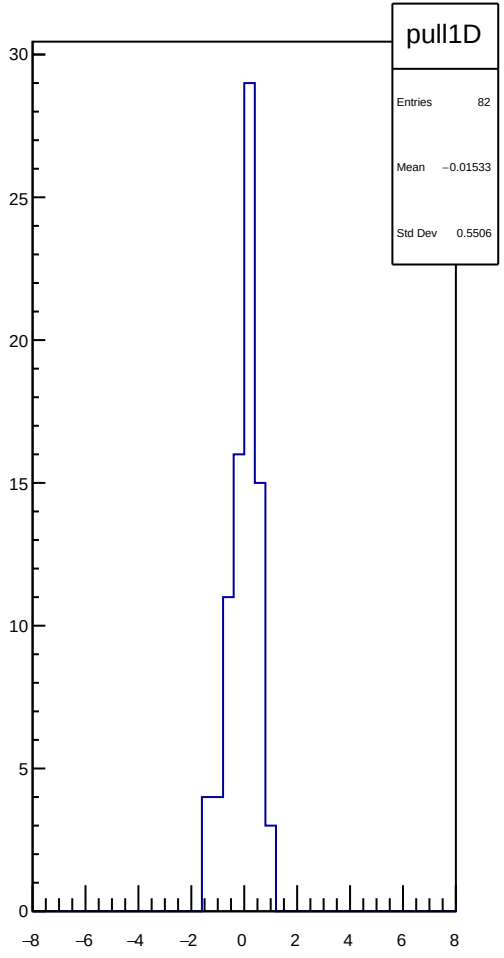

dit_segment_slope vs run
χ^2 / ndf 9.097e–30 / 81
p0 1 ± 3.701e–17
2
1.8
1.6
1.4
1.2
1

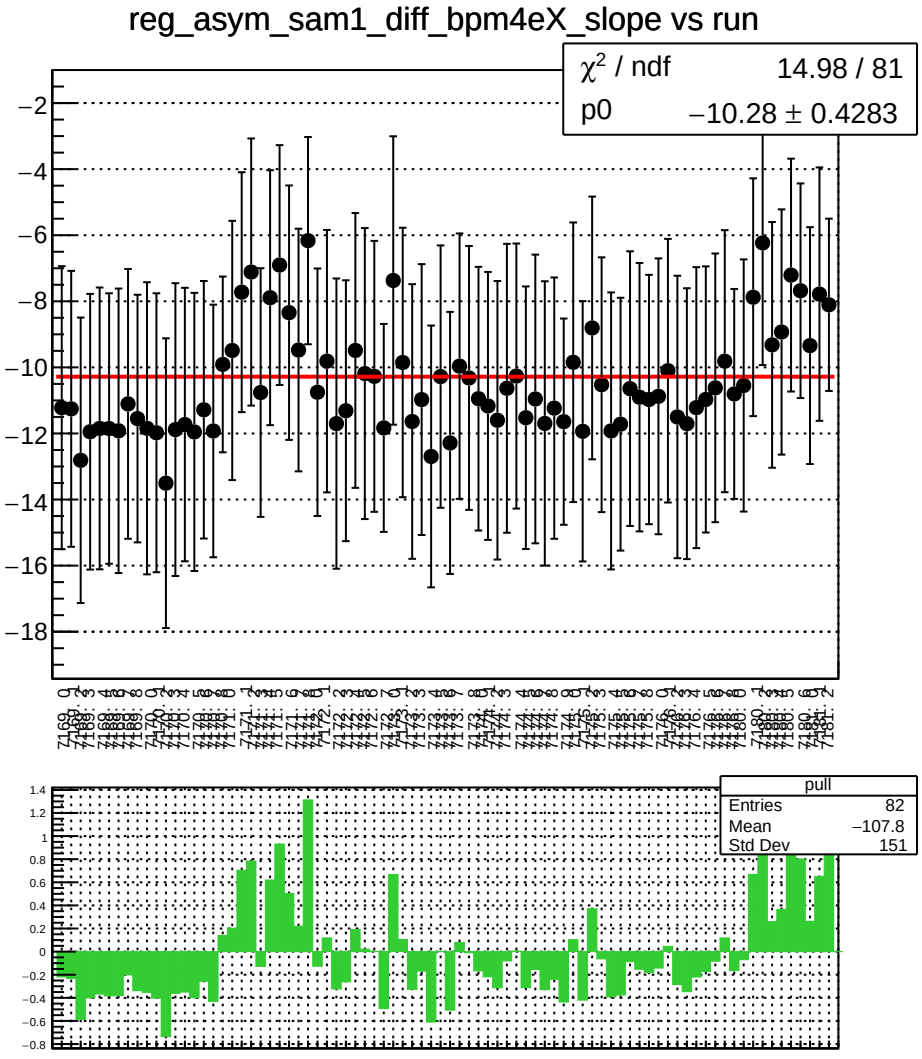

pull1D
Entries 82
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

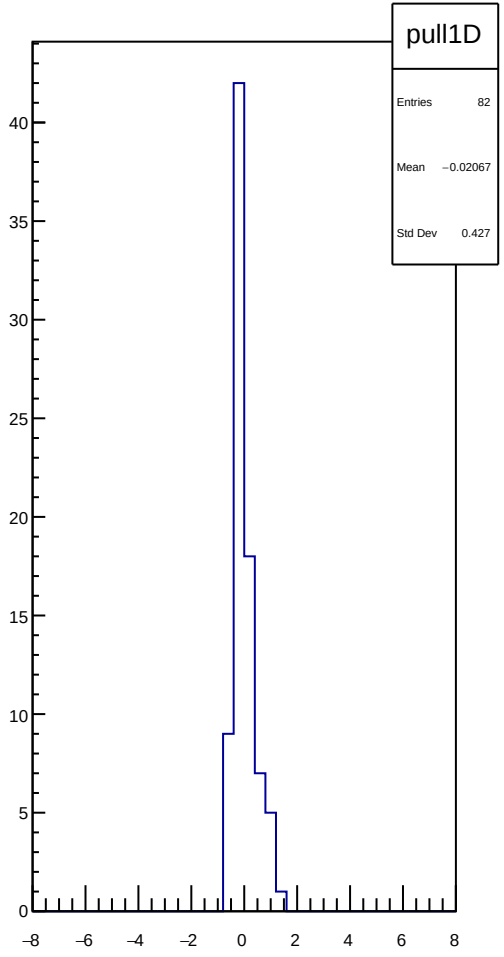

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 16.03 / 81
p0 −3.92 ± 0.4286
pull
Entries 82
Mean −106.2
Std Dev 150.5

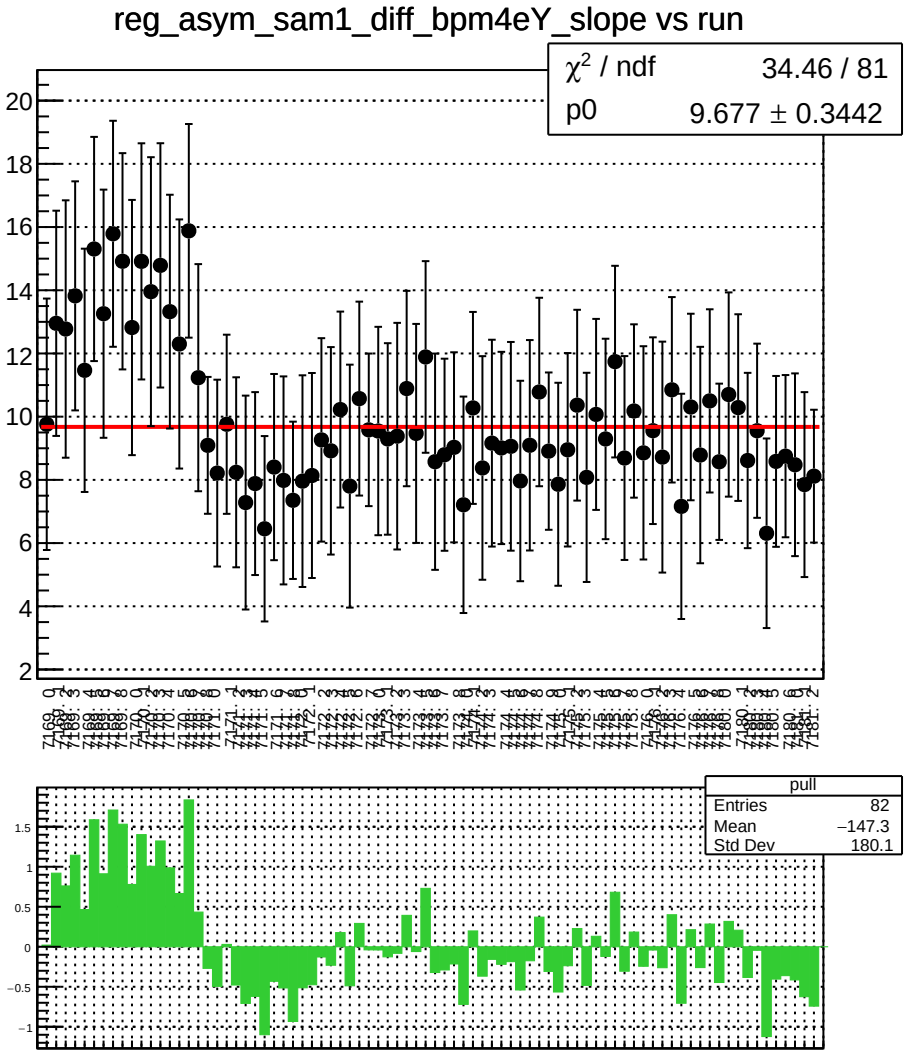

pull1D
Entries 82
Mean 0.02132
Std Dev 0.4417

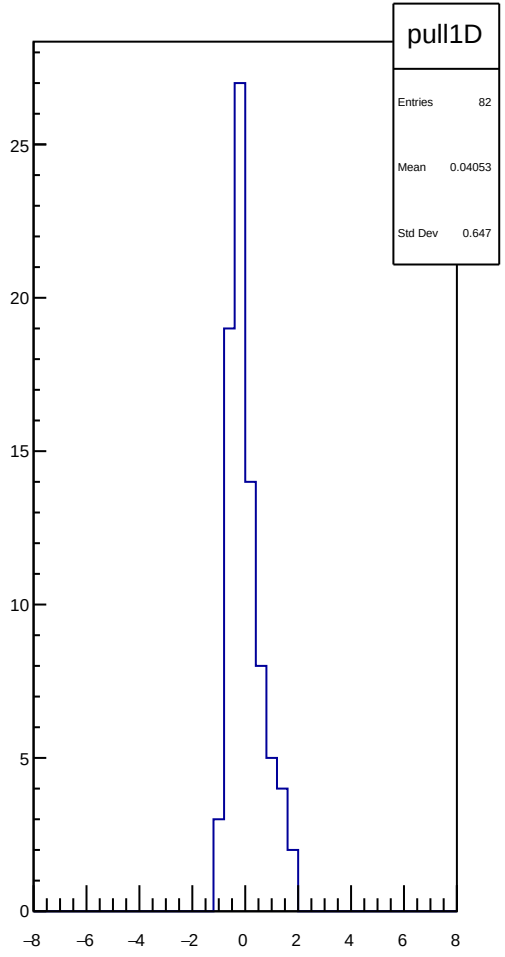

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 24.88 / 81
p0 −53.42 ± 0.307
pull
Entries 82
Mean −307.1
Std Dev 337.3

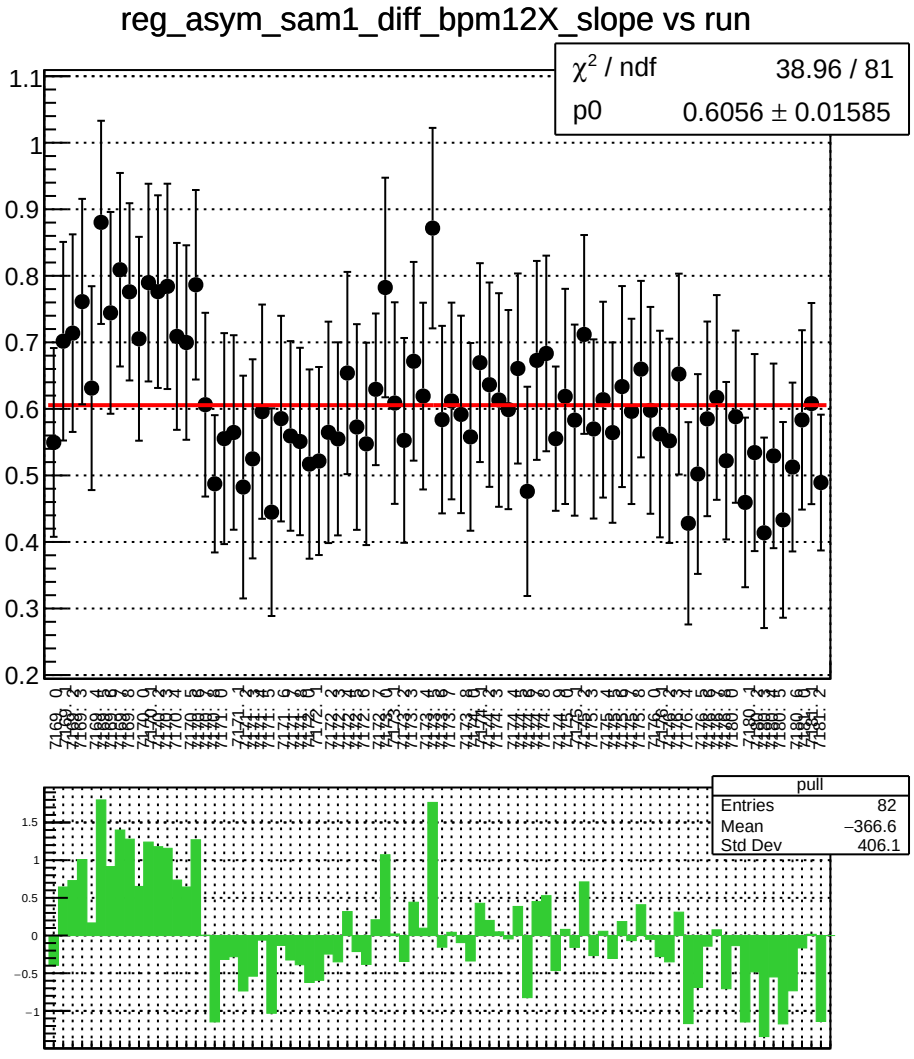

pull1D
Entries 82
Mean −0.01533
Std Dev 0.5506

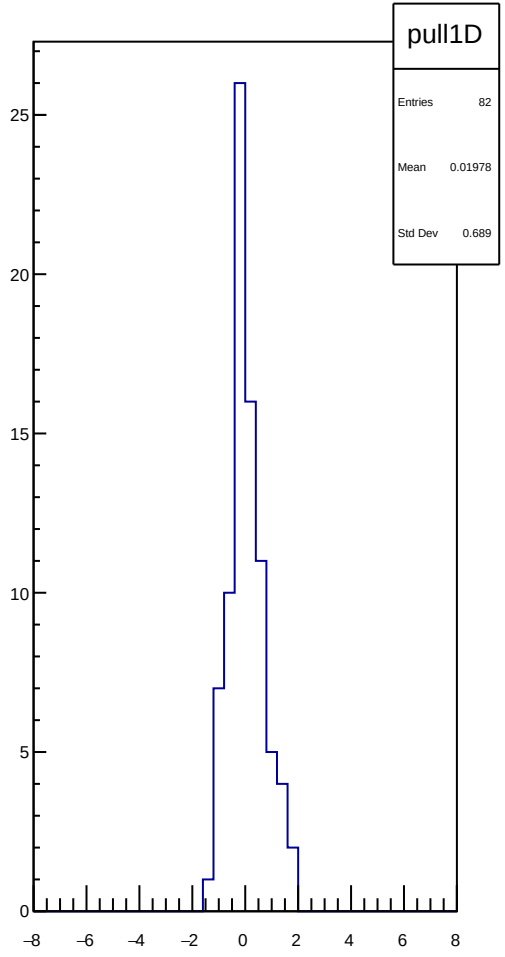

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 14.98 / 81
p0 −10.28 ± 0.4283
pull
Entries 82
Mean −107.8
Std Dev 151

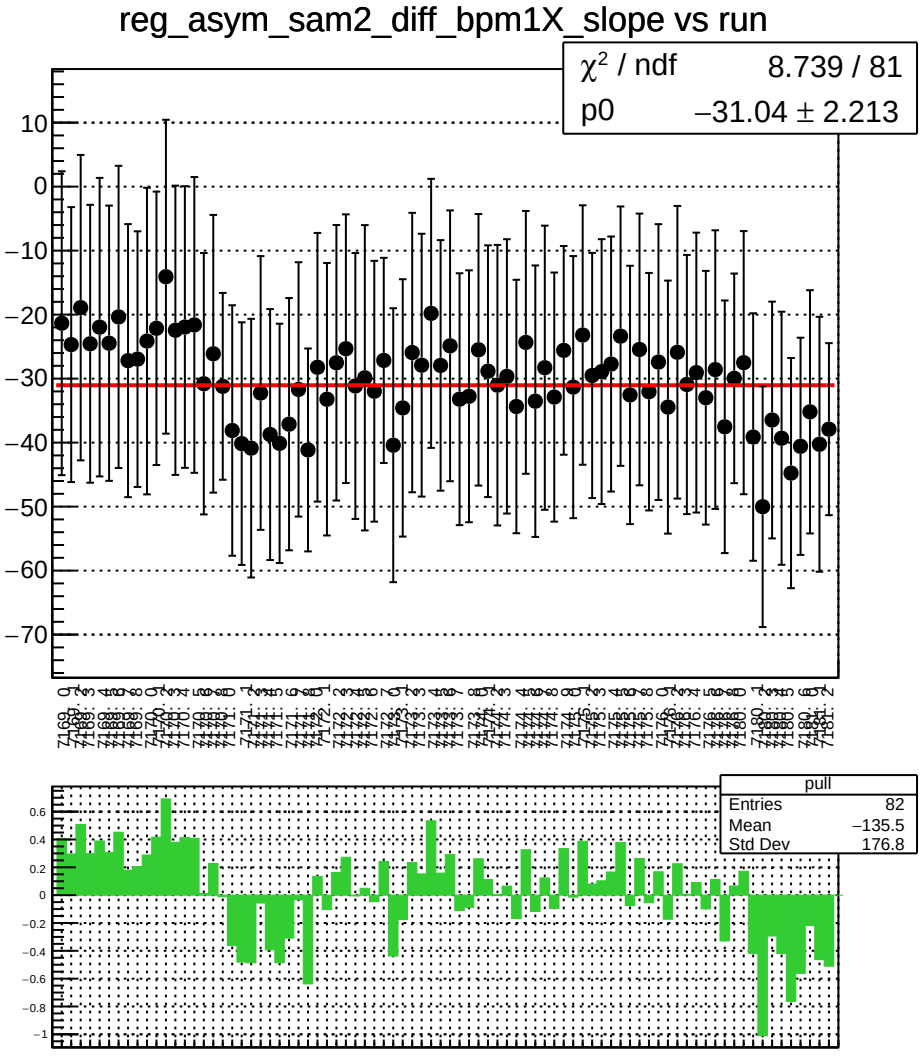

pull1D
Entries 82
Mean −0.02067
Std Dev 0.427

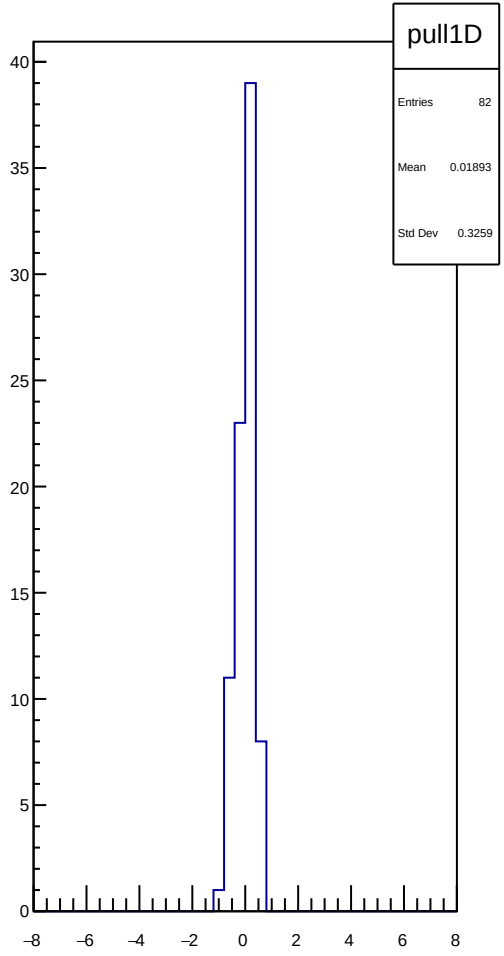

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 34.46 / 81
p0 9.677 ± 0.3442
pull
Entries 82
Mean −147.3
Std Dev 180.1

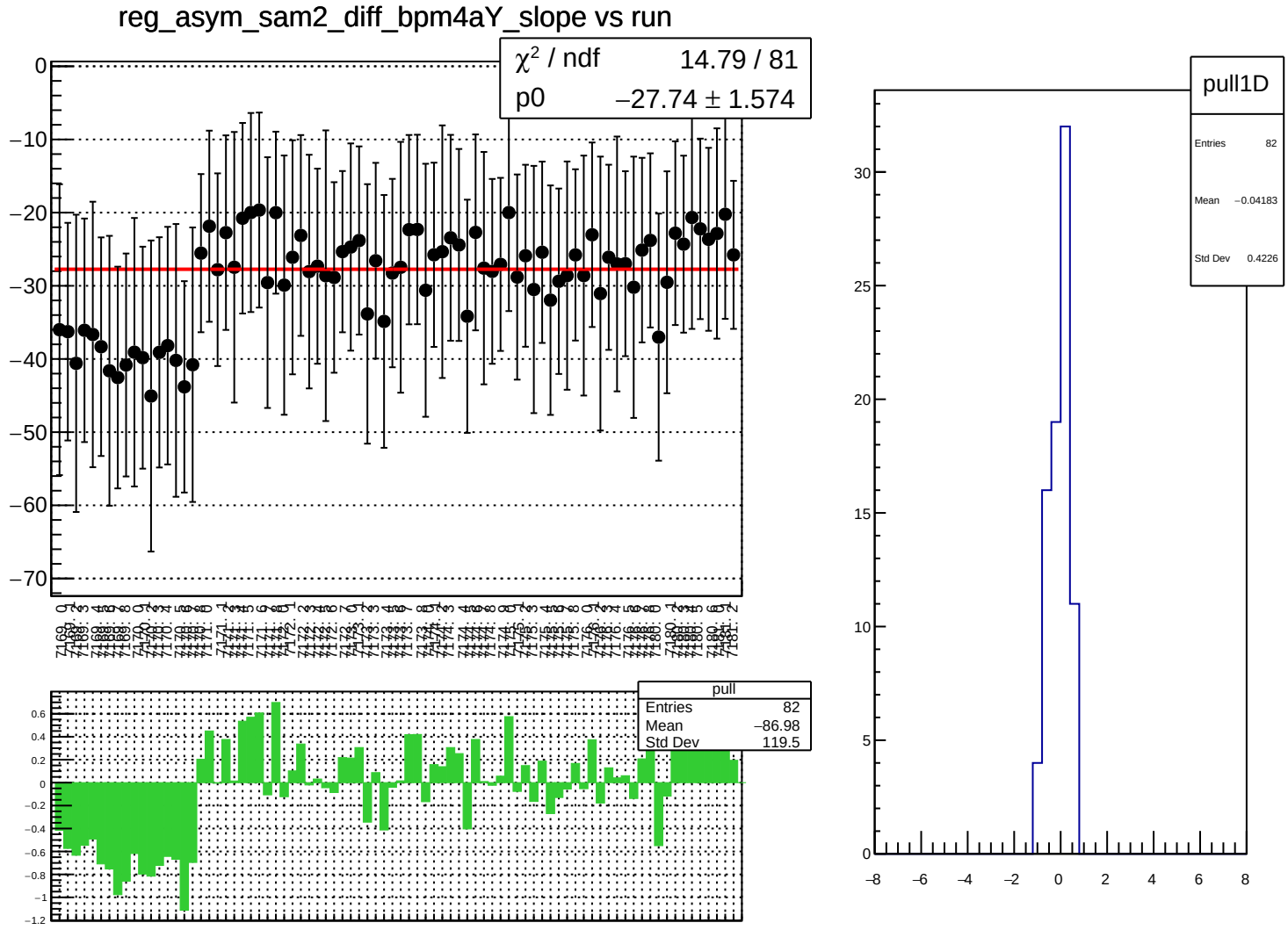

pull1D
Entries 82
Mean 0.04053
Std Dev 0.647

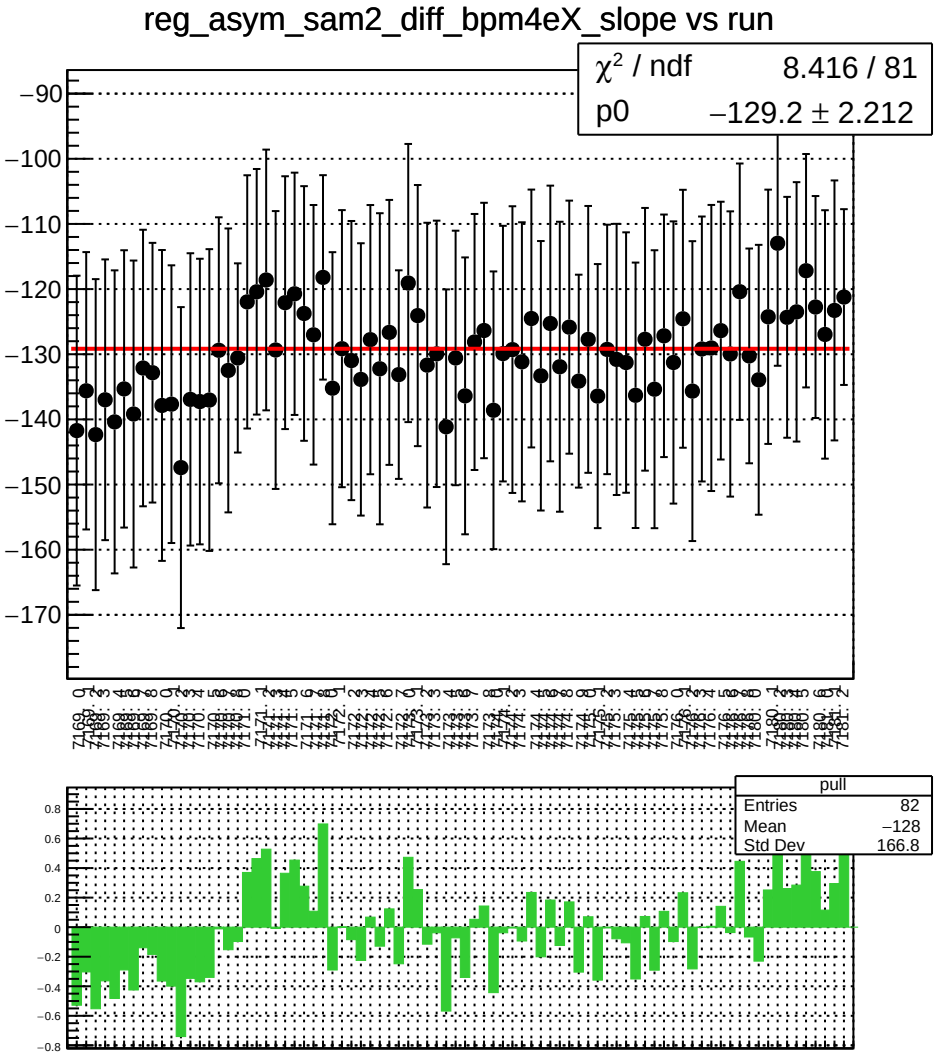

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 38.96 / 81
p0 0.6056 ± 0.01585
pull
Entries 82
Mean −366.6
Std Dev 406.1

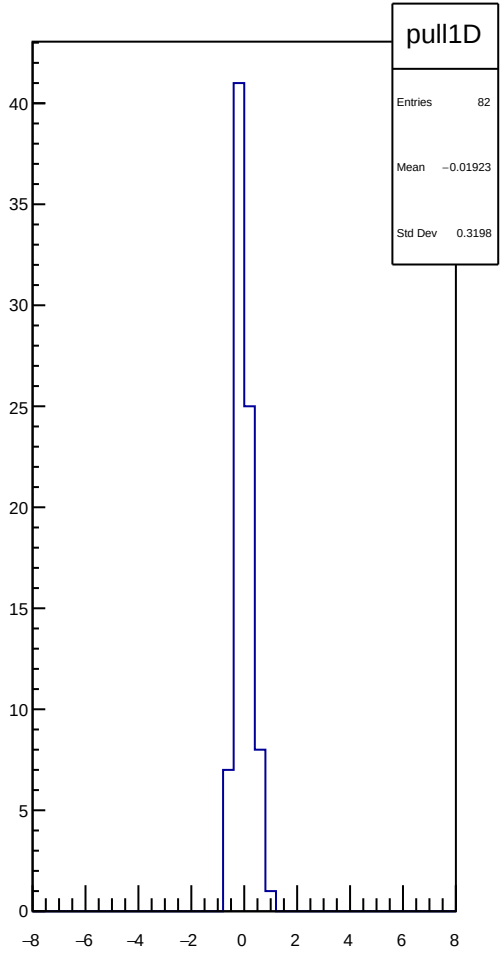

pull1D
Entries 82
Mean 0.01978
Std Dev 0.689

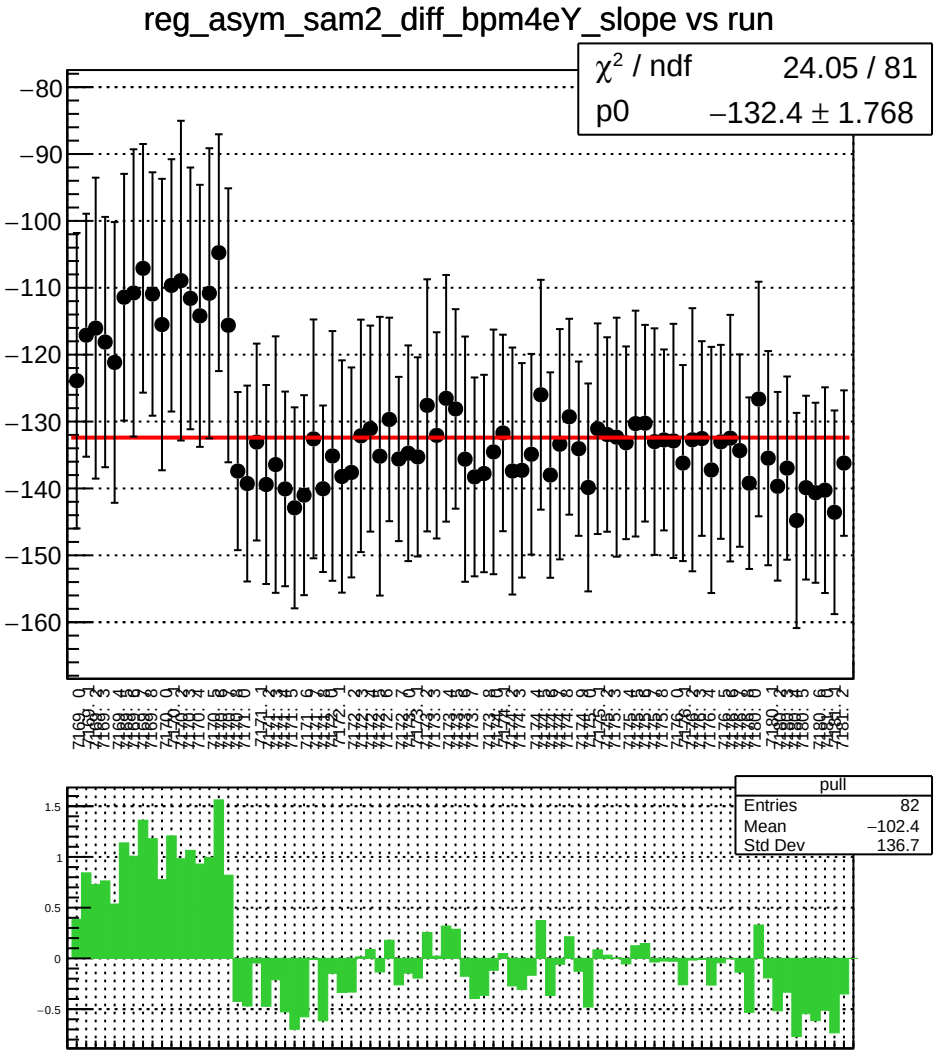

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.739 / 81
p0 −31.04 ± 2.213
pull
Entries 82
Mean −135.5
Std Dev 176.8

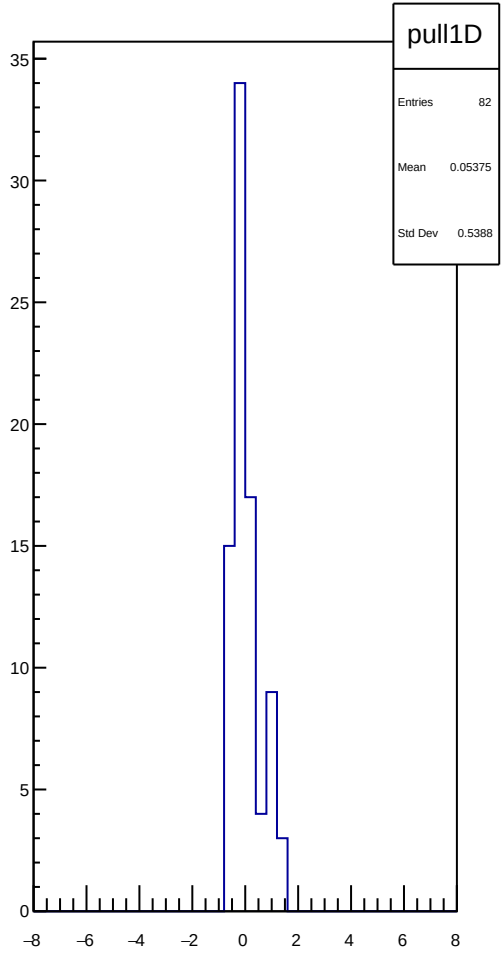

pull1D
Entries 82
Mean 0.01893
Std Dev 0.3259

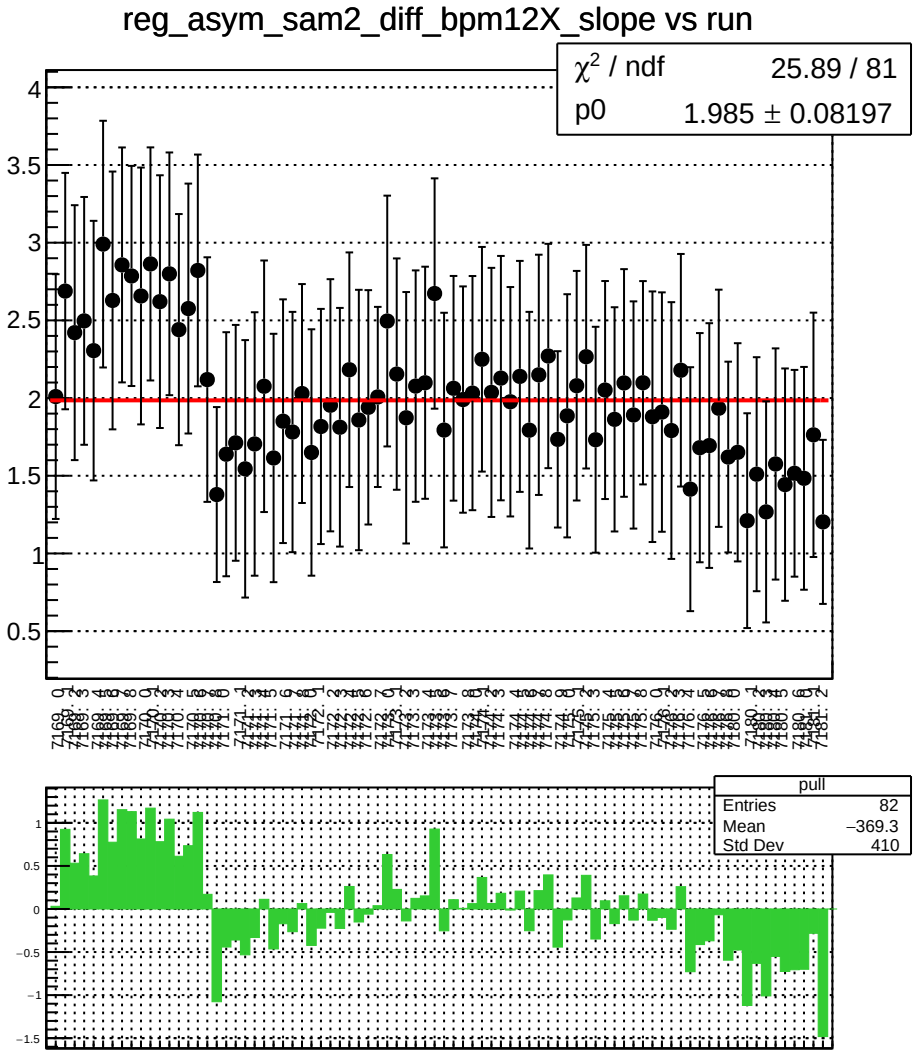

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.79 / 81
p0 −27.74 ± 1.574
pull
Entries 82
Mean −86.98
Std Dev 119.5
pull1D
Entries 82
Mean −0.04183
Std Dev 0.4226

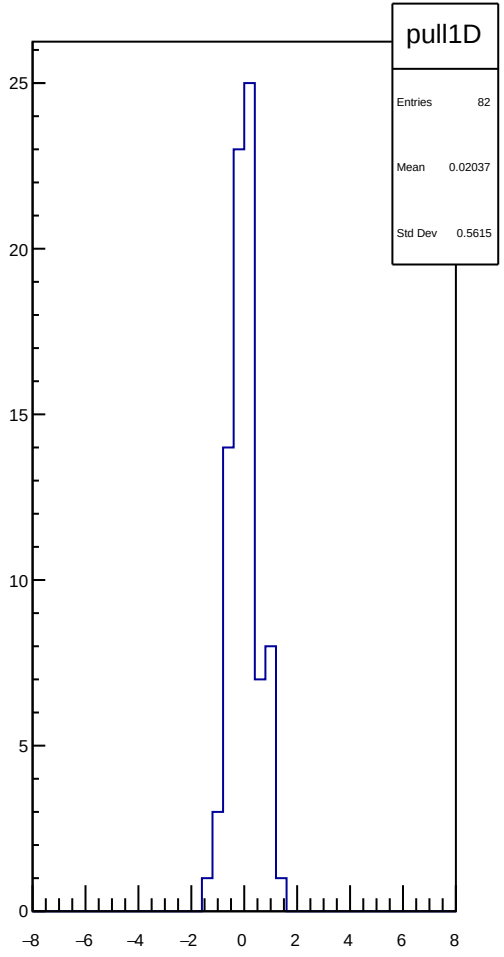

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.416 / 81
p0 −129.2 ± 2.212
pull
Entries 82
Mean −128
Std Dev 166.8

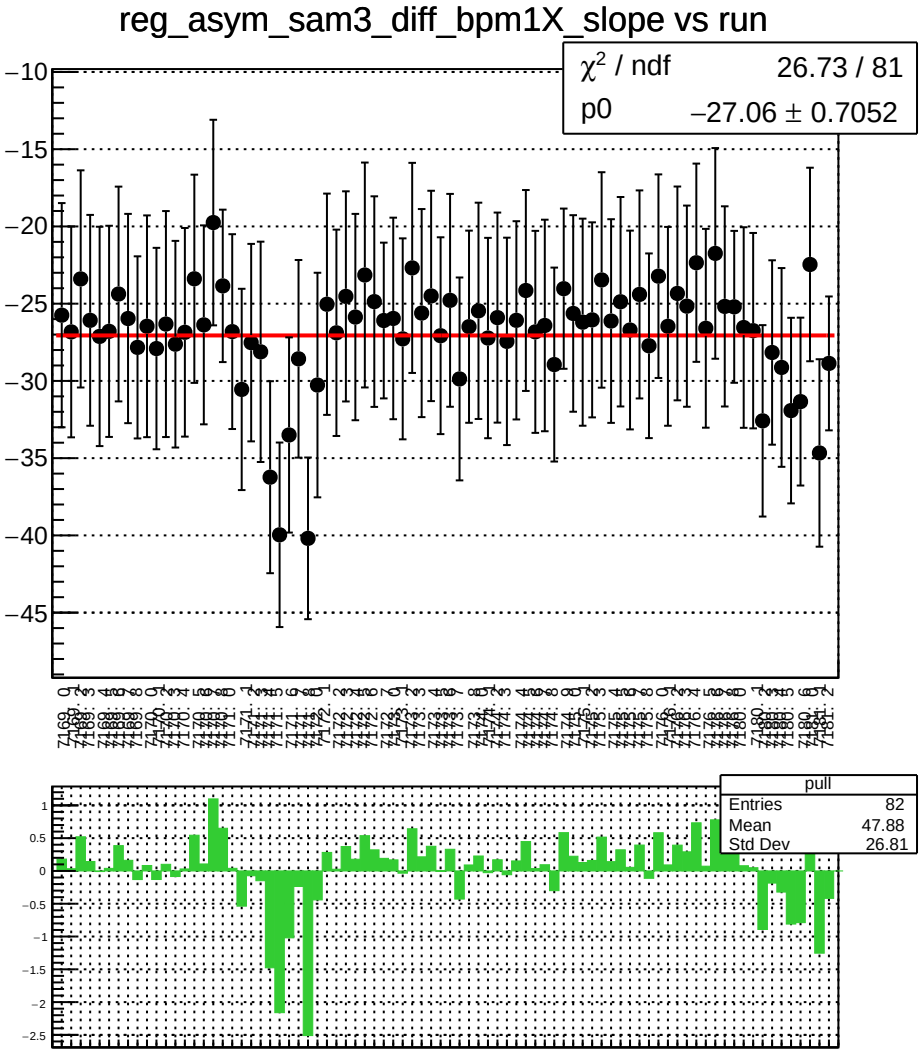

pull1D
Entries 82
Mean −0.01923
Std Dev 0.3198

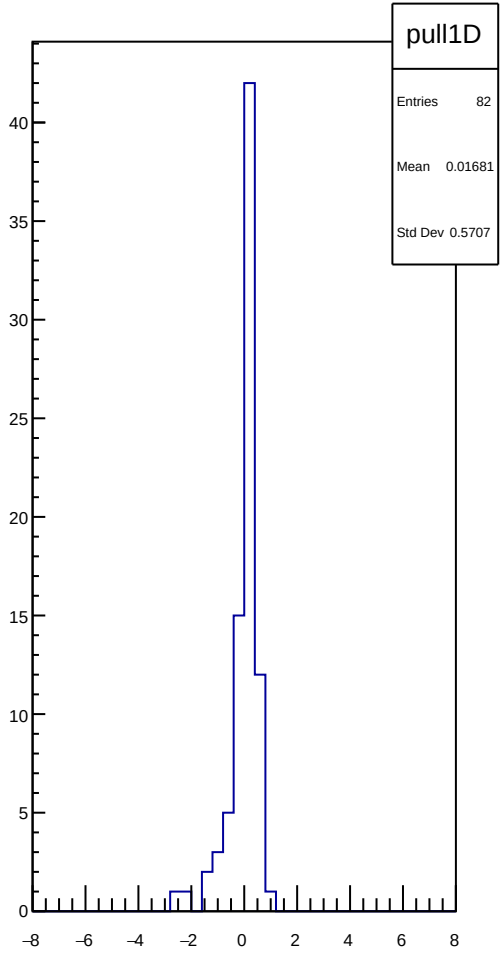

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 24.05 / 81
p0 −132.4 ± 1.768
pull
Entries 82
Mean −102.4
Std Dev 136.7

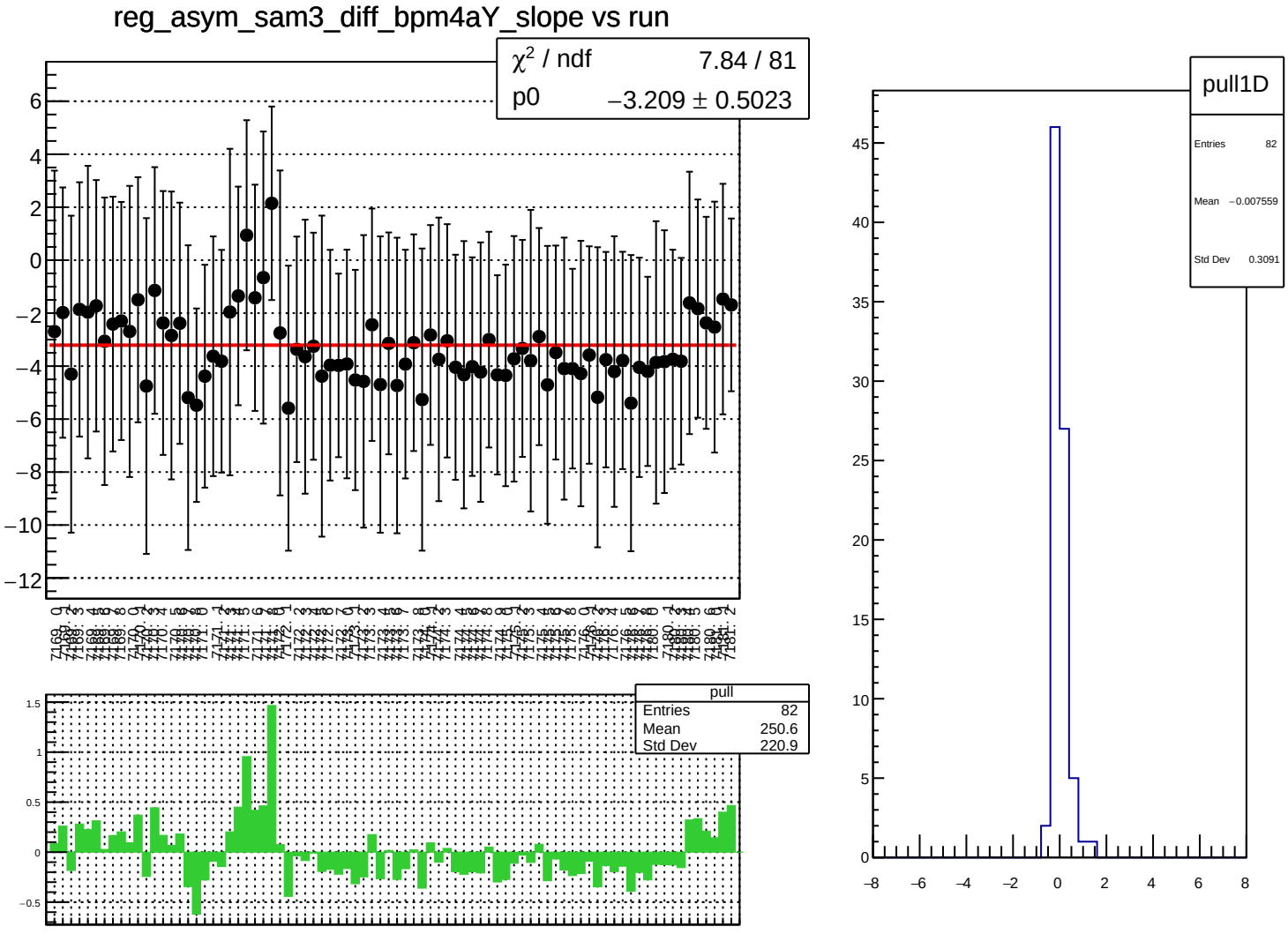

pull1D
Entries 82
Mean 0.05375
Std Dev 0.5388

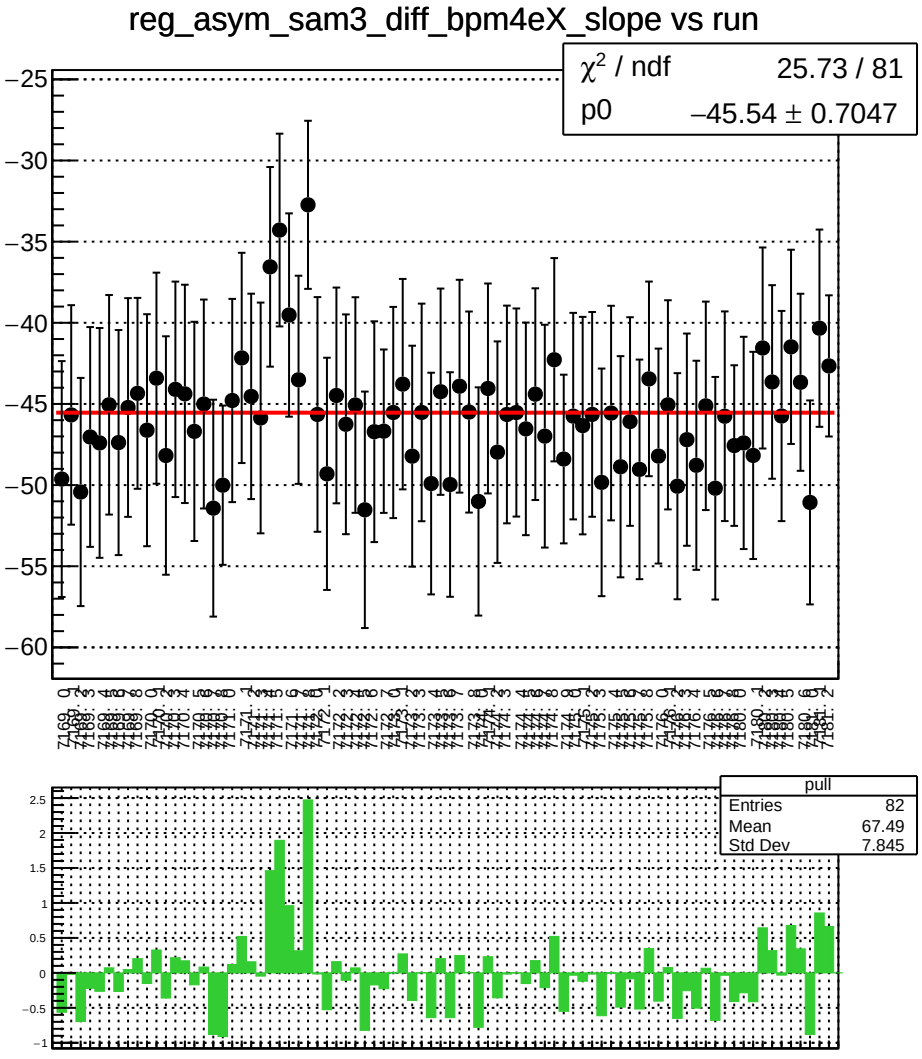

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 25.89 / 81
p0 1.985 ± 0.08197
pull
Entries 82
Mean −369.3
Std Dev 410

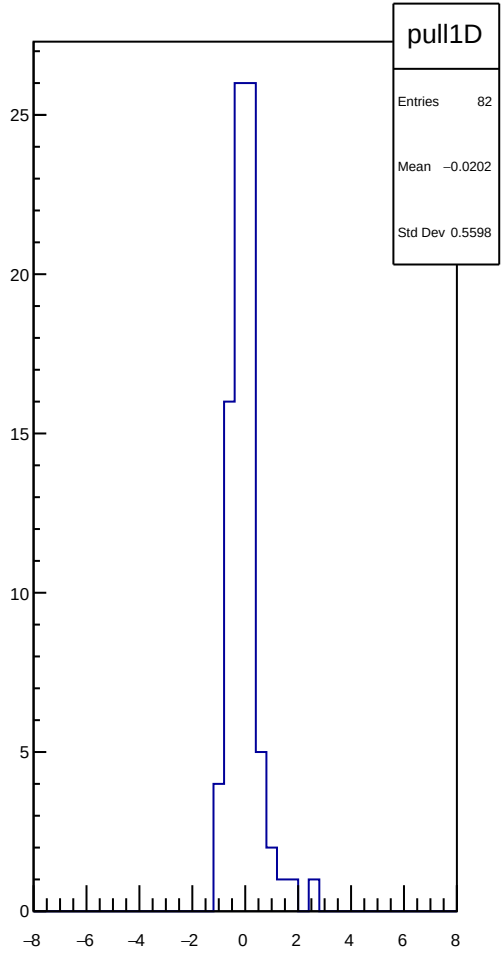

pull1D
Entries 82
Mean 0.02037
Std Dev 0.5615

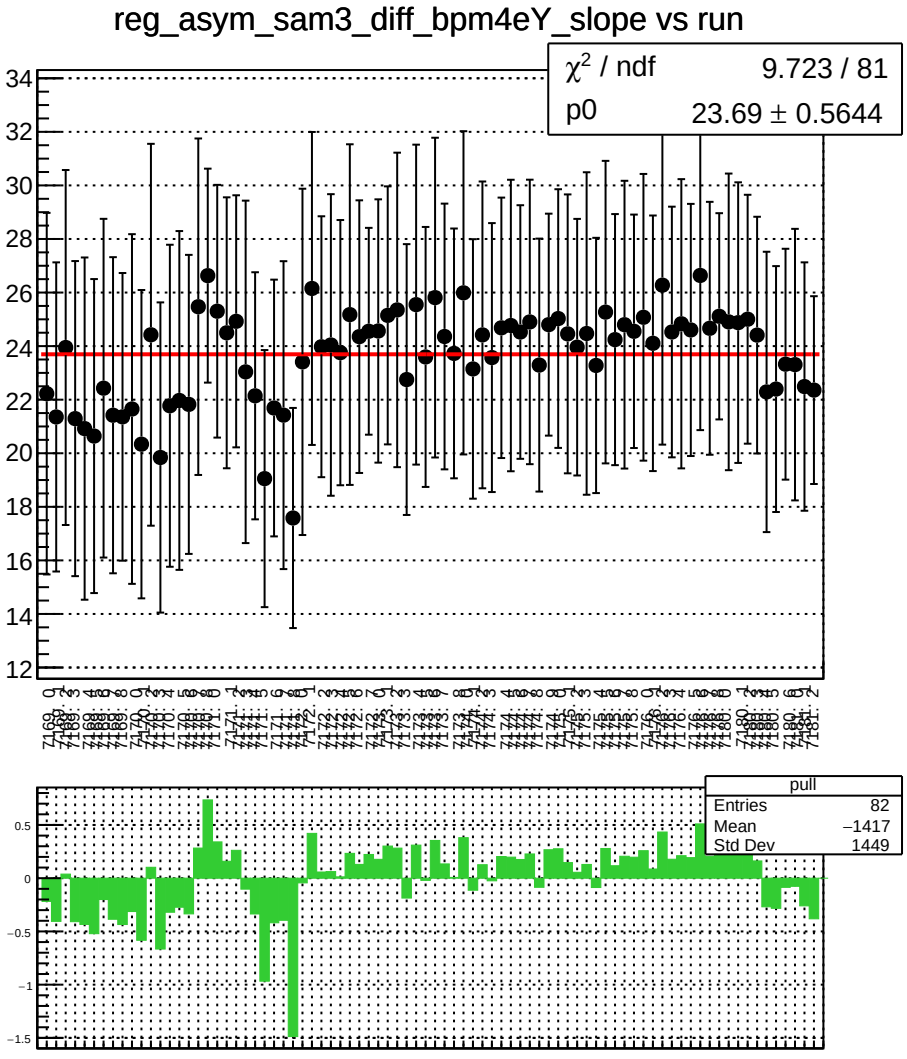

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 26.73 / 81
p0 −27.06 ± 0.7052
pull
Entries 82
Mean 47.88
Std Dev 26.81

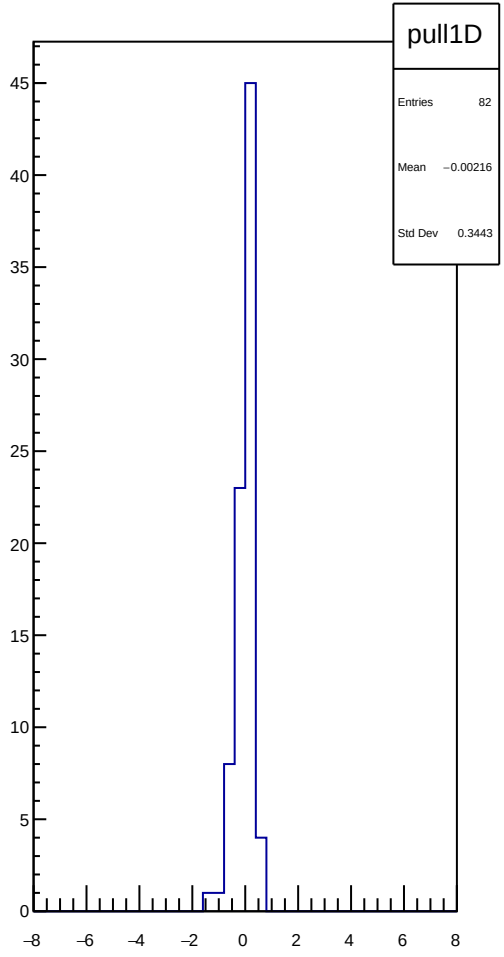

pull1D
Entries 82
Mean 0.01681
Std Dev 0.5707

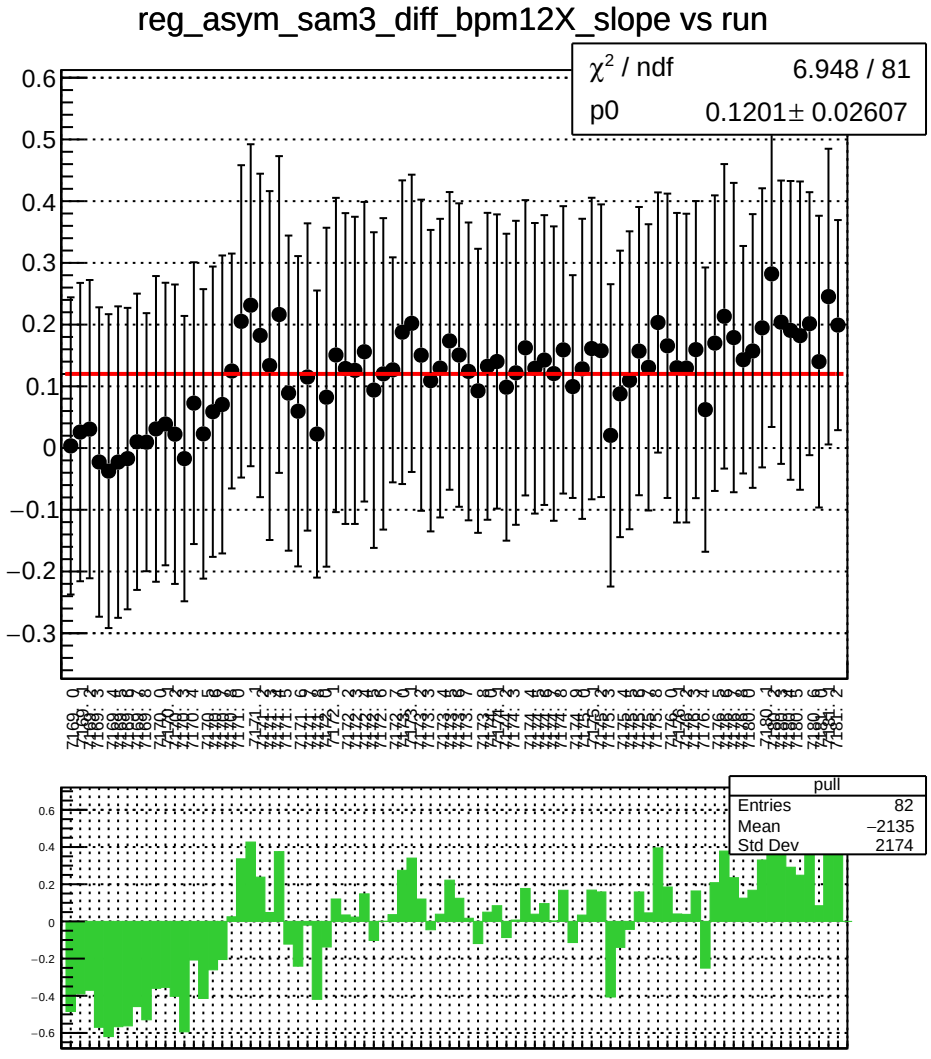

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 7.84 / 81
p0 −3.209 ± 0.5023
pull
Entries 82
Mean 250.6
Std Dev 220.9
pull1D
Entries 82
Mean −0.007559
Std Dev 0.3091

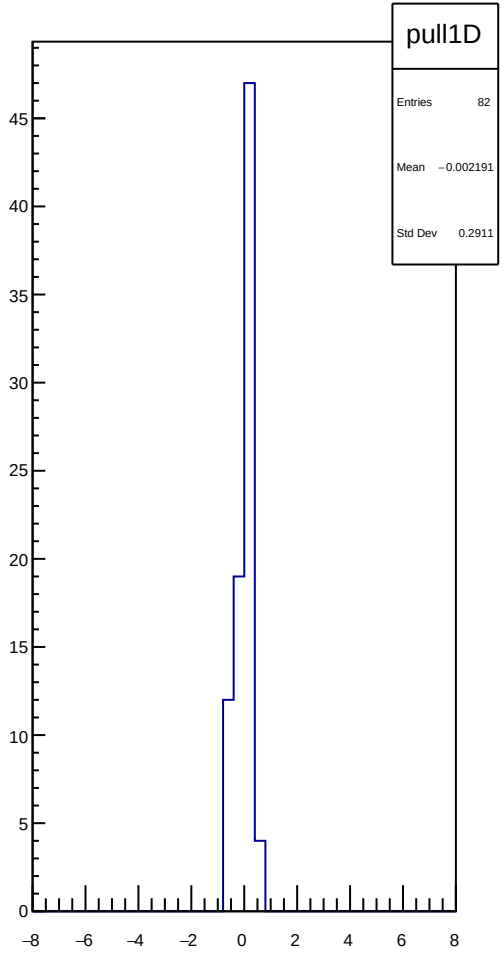

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 25.73 / 81
p0 −45.54 ± 0.7047
pull
Entries 82
Mean 67.49
Std Dev 7.845

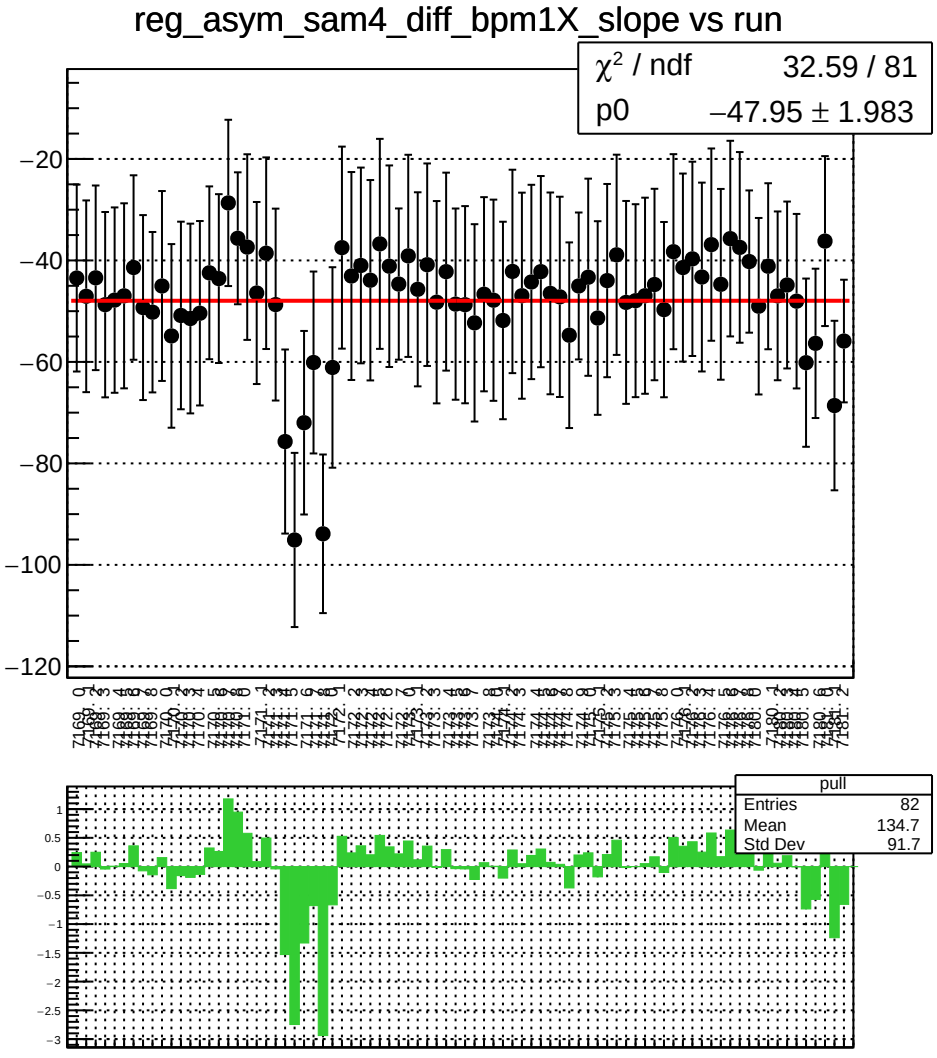

pull1D
Entries 82
Mean −0.0202
Std Dev 0.5598

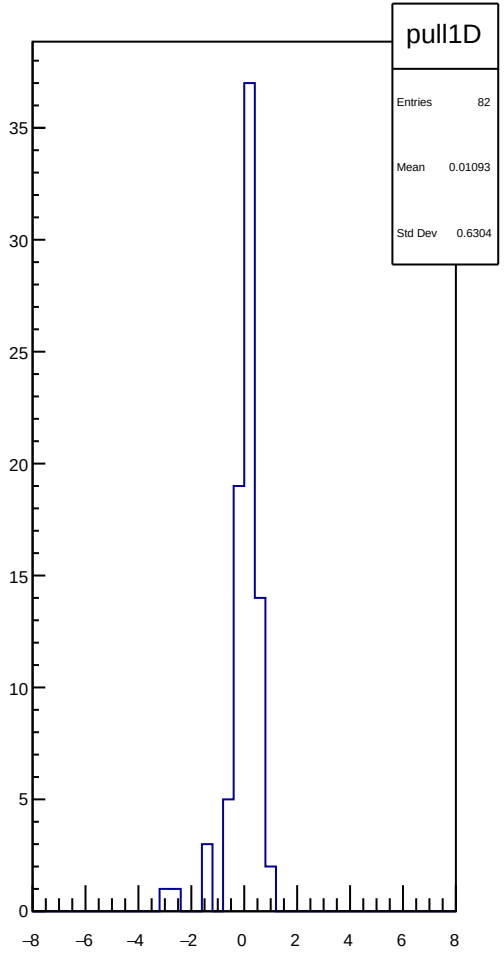

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 9.723 / 81
p0 23.69 ± 0.5644
pull
Entries 82
Mean −1417
Std Dev 1449

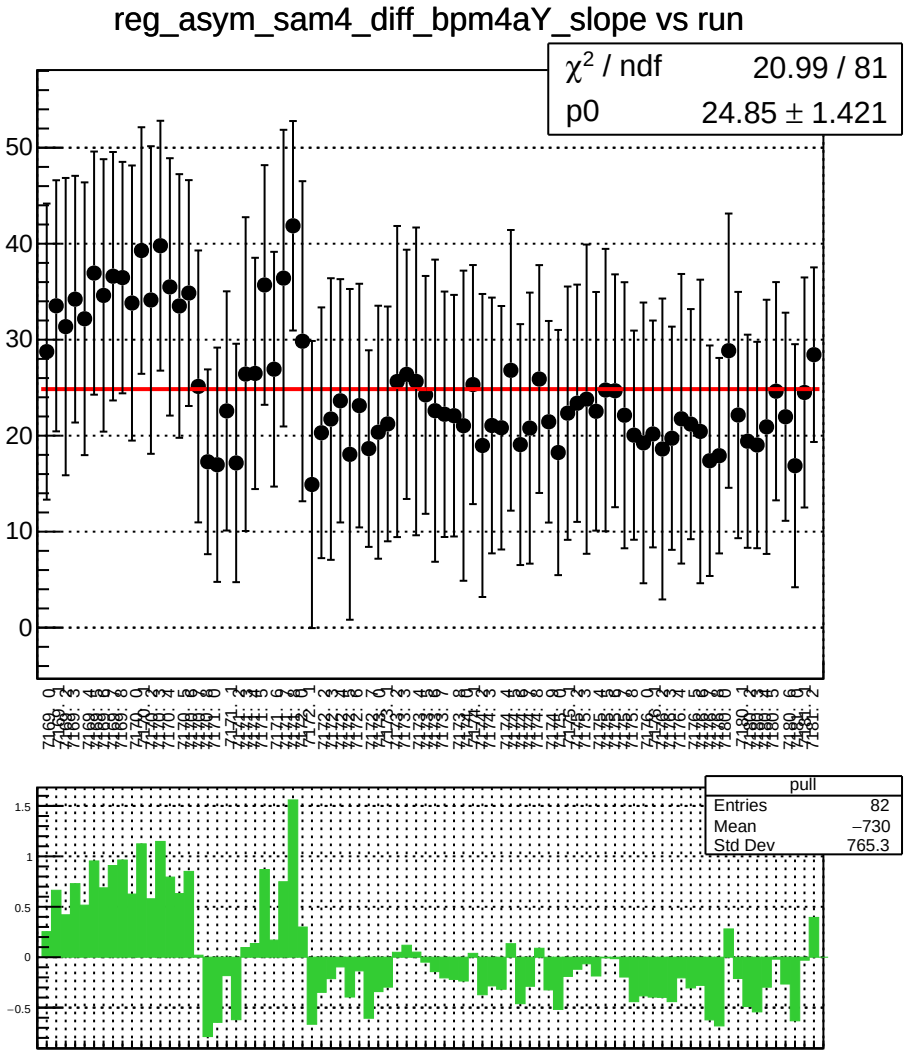

pull1D
Entries 82
Mean −0.00216
Std Dev 0.3443

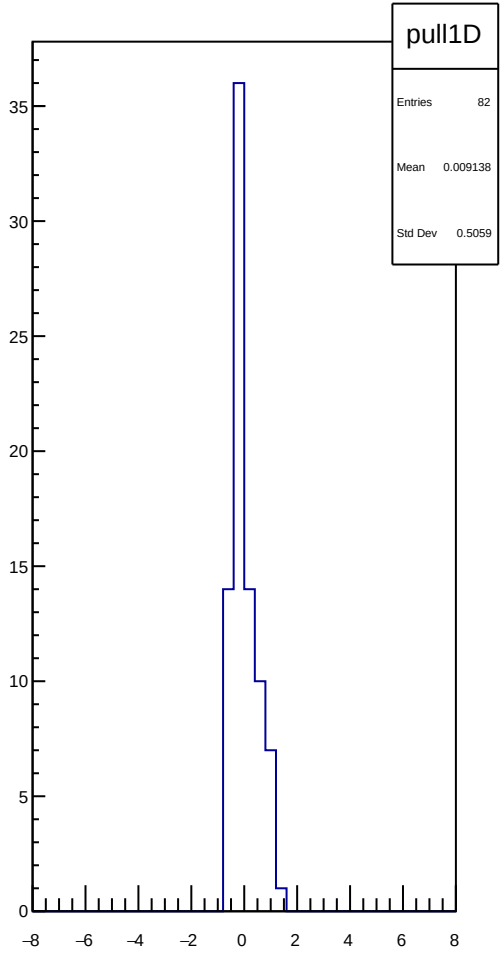

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 6.948 / 81
p0 0.1201± 0.02607
pull
Entries 82
Mean −2135
Std Dev 2174

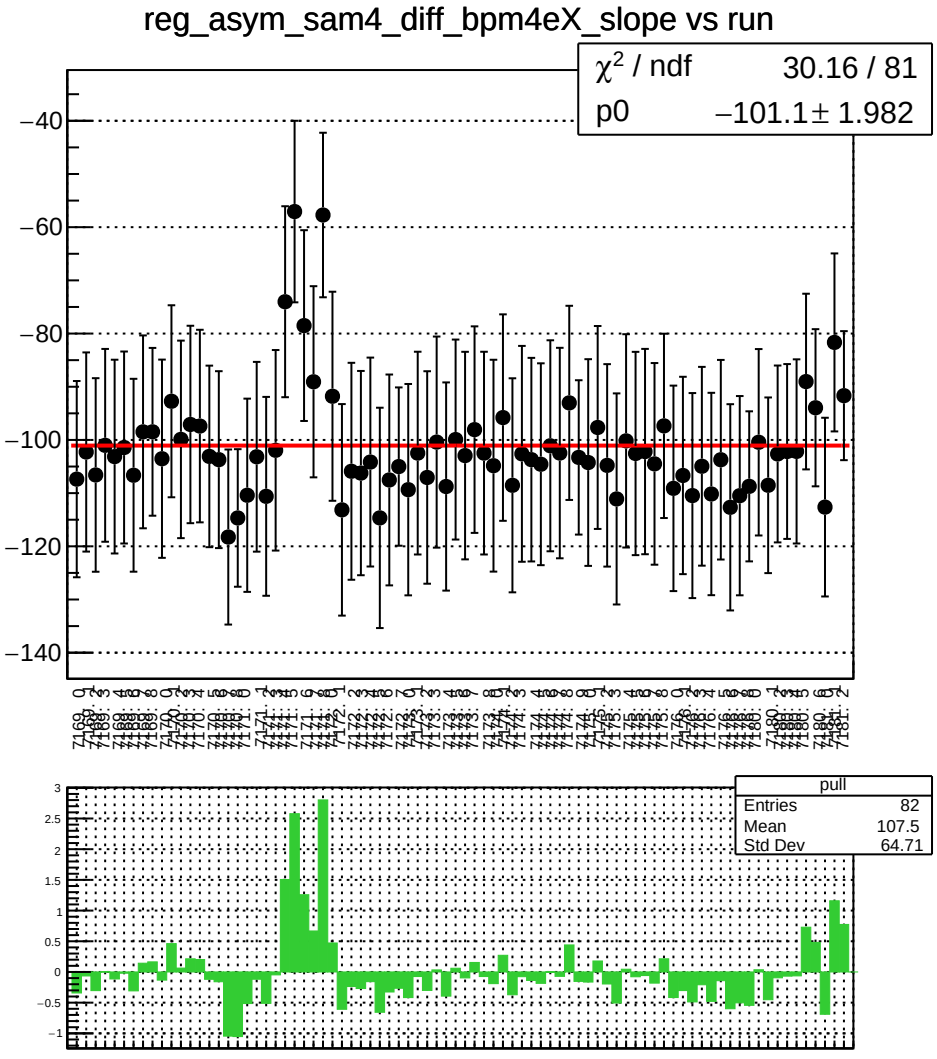

pull1D
Entries 82
Mean −0.002191
Std Dev 0.2911

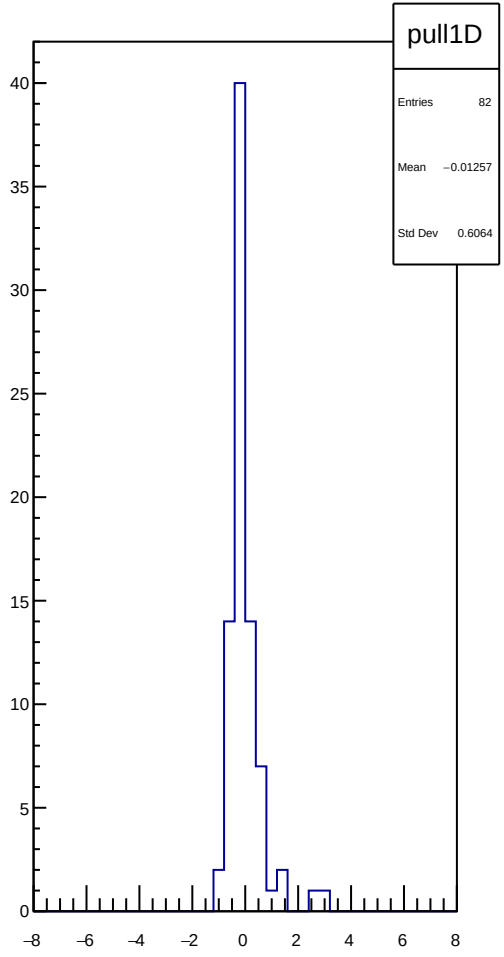

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 32.59 / 81
p0 −47.95 ± 1.983
pull
Entries 82
Mean 134.7
Std Dev 91.7

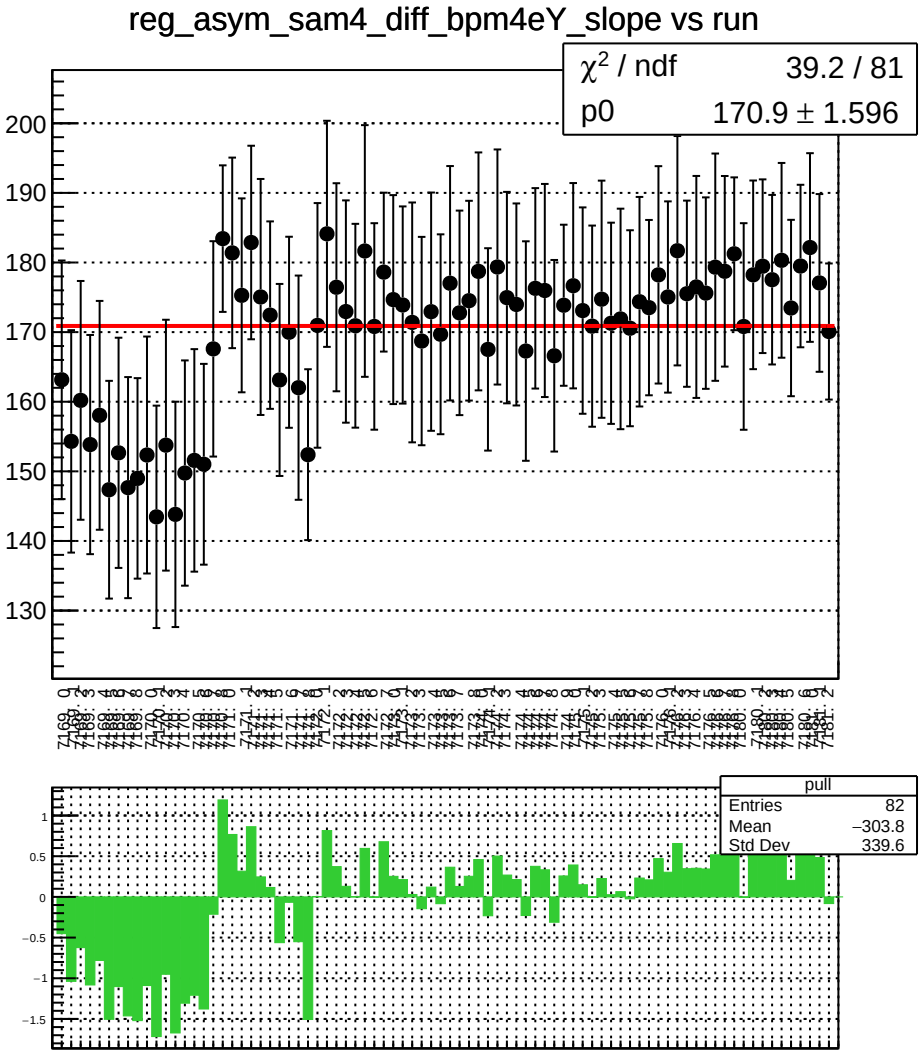

pull1D
Entries 82
Mean 0.01093
Std Dev 0.6304

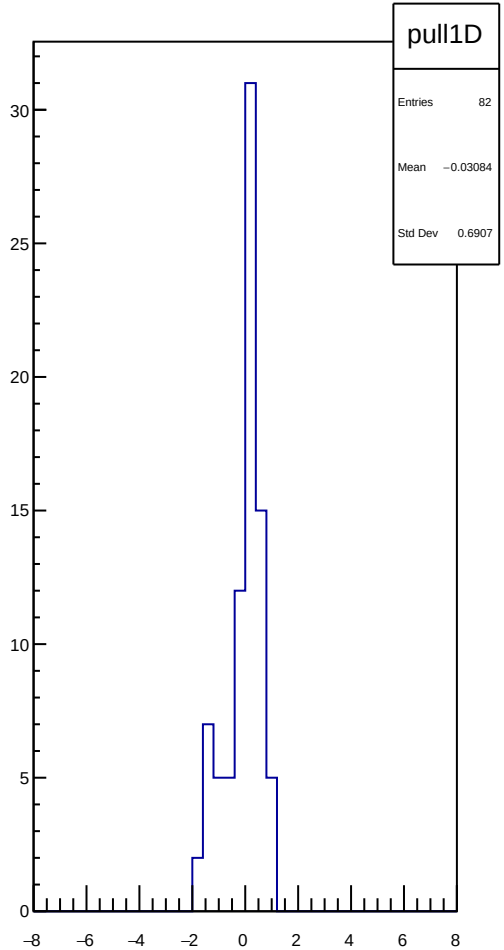

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 20.99 / 81
p0 24.85 ± 1.421
pull
Entries 82
Mean −730
Std Dev 765.3

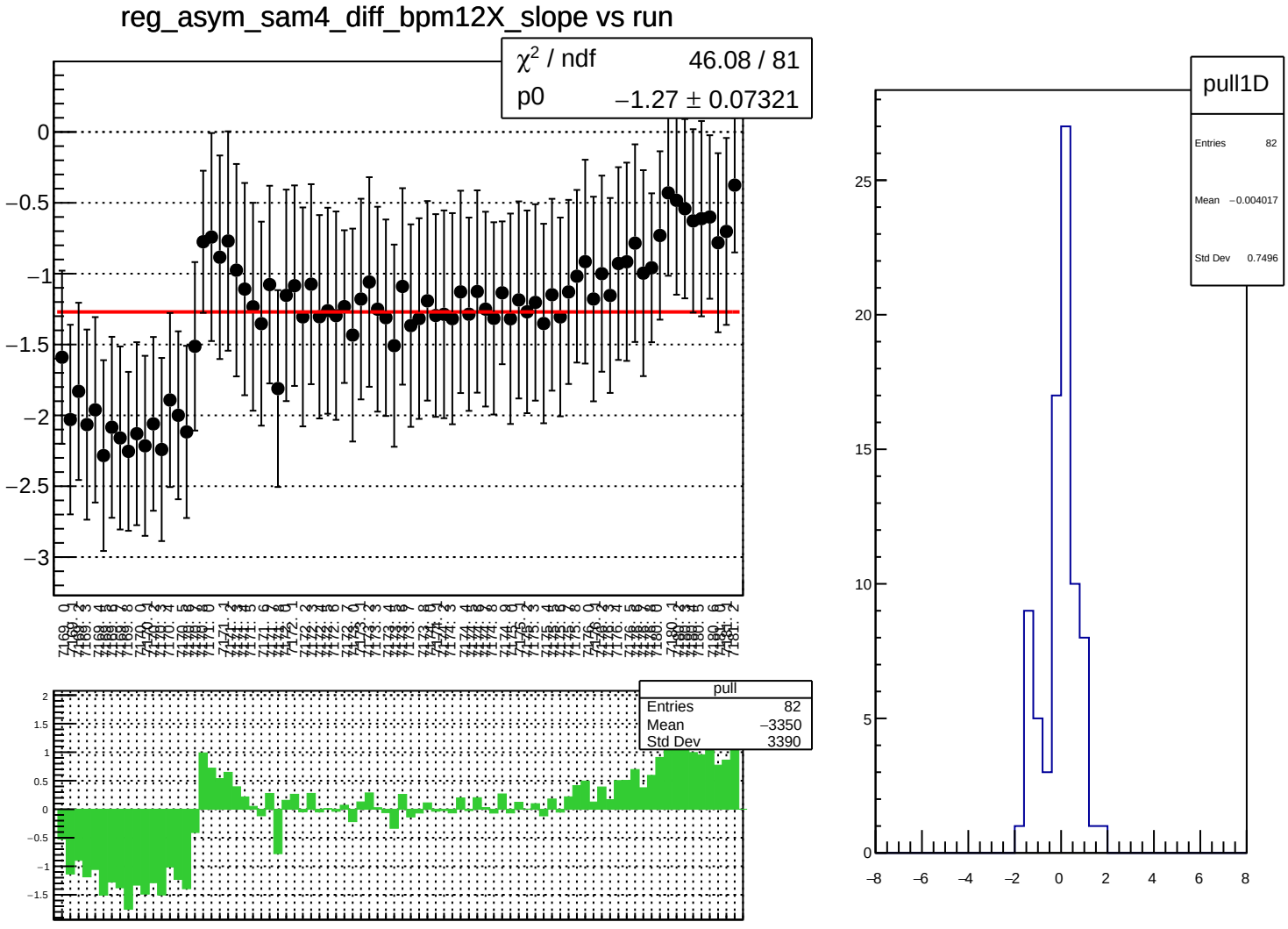

pull1D
Entries 82
Mean 0.009138
Std Dev 0.5059

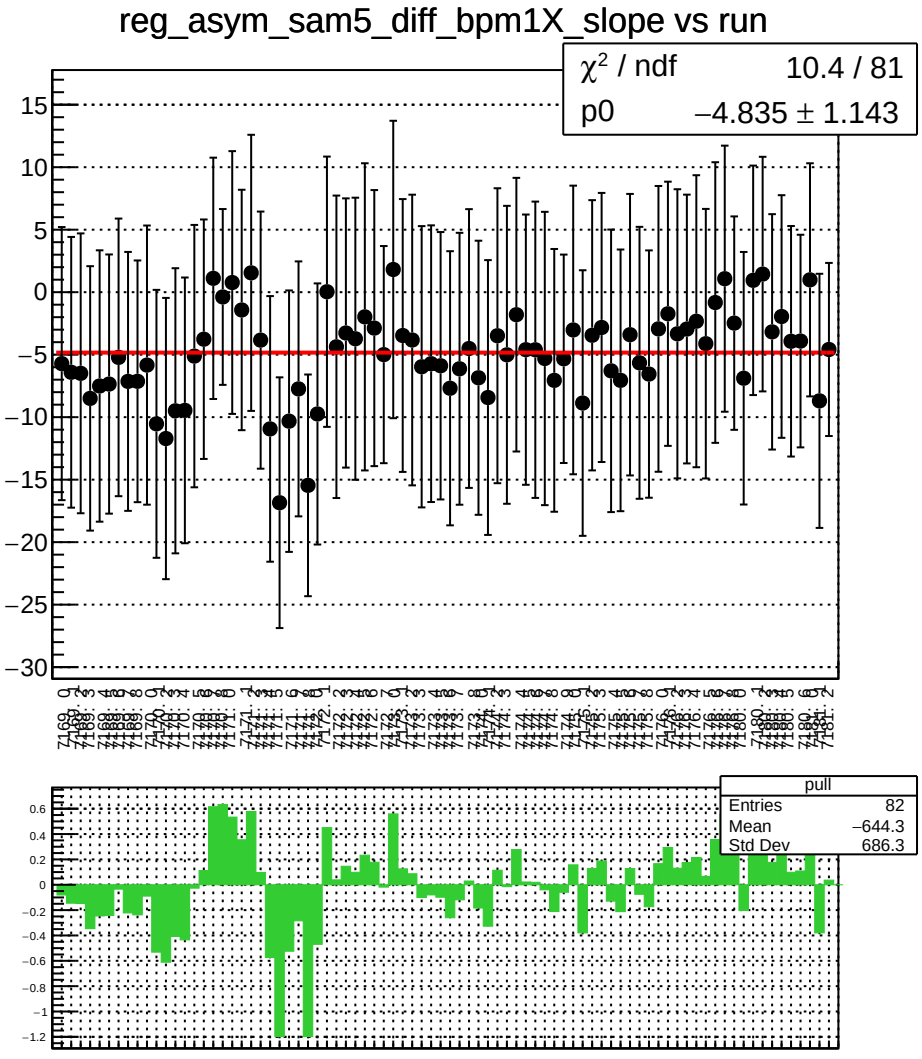

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 30.16 / 81
p0 −101.1 ± 1.982
pull
Entries 82
Mean 107.5
Std Dev 64.71

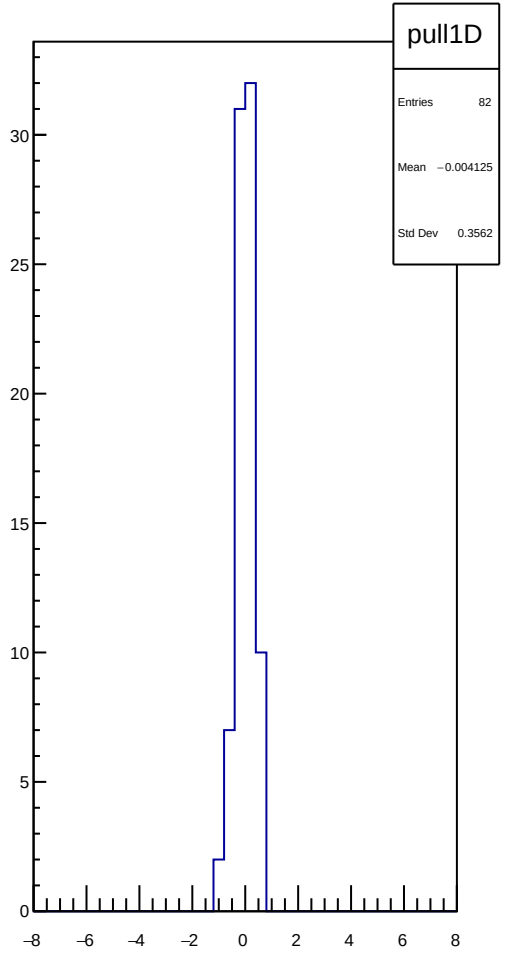

pull1D
Entries 82
Mean −0.01257
Std Dev 0.6064

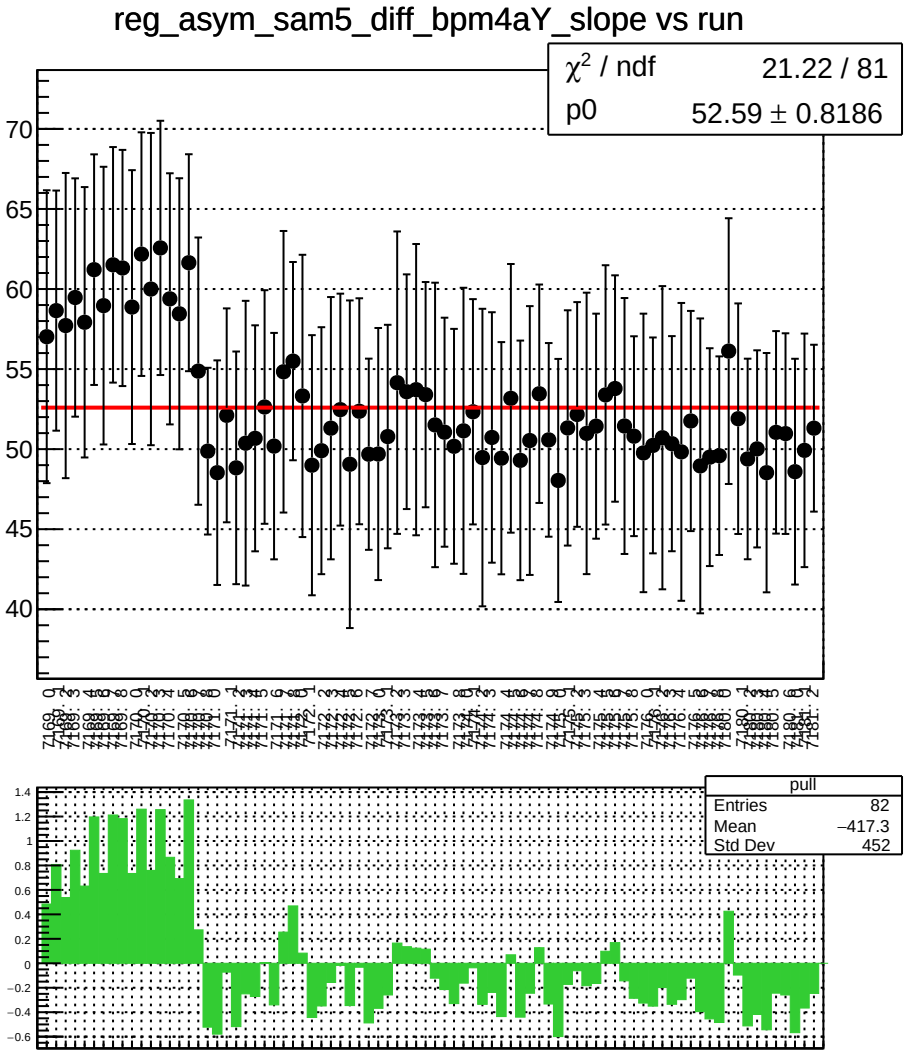

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 39.2 / 81
p0 170.9 ± 1.596
pull
Entries 82
Mean −303.8
Std Dev 339.6

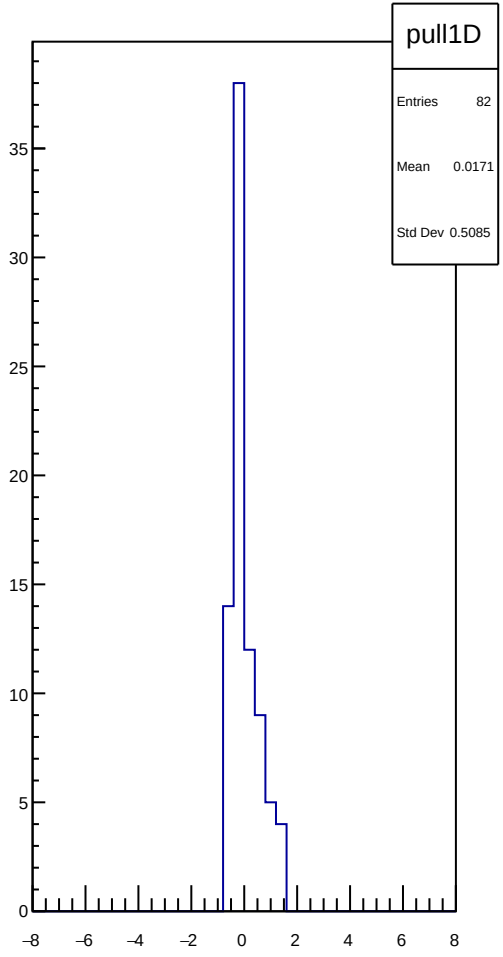

pull1D
Entries 82
Mean −0.03084
Std Dev 0.6907

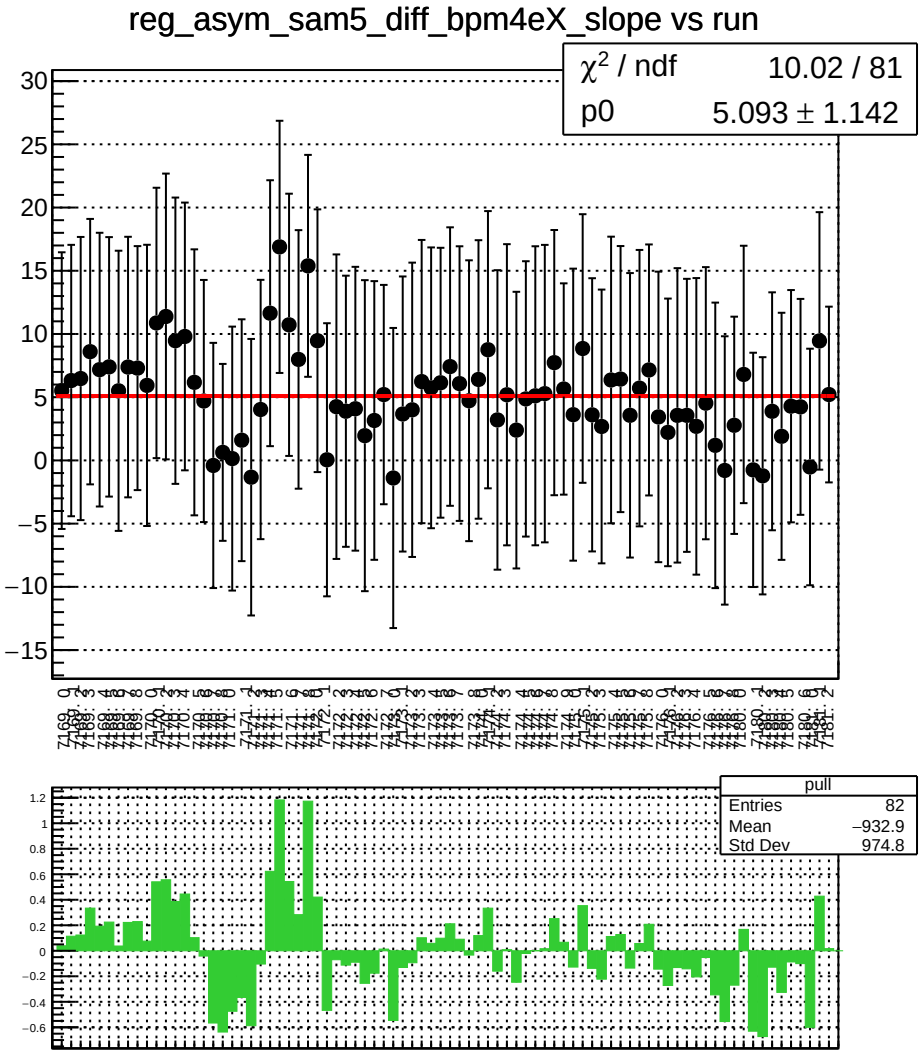

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 46.08 / 81
p0 −1.27 ± 0.07321
pull
Entries 82
Mean −3350
Std Dev 3390
pull1D
Entries 82
Mean −0.004017
Std Dev 0.7496

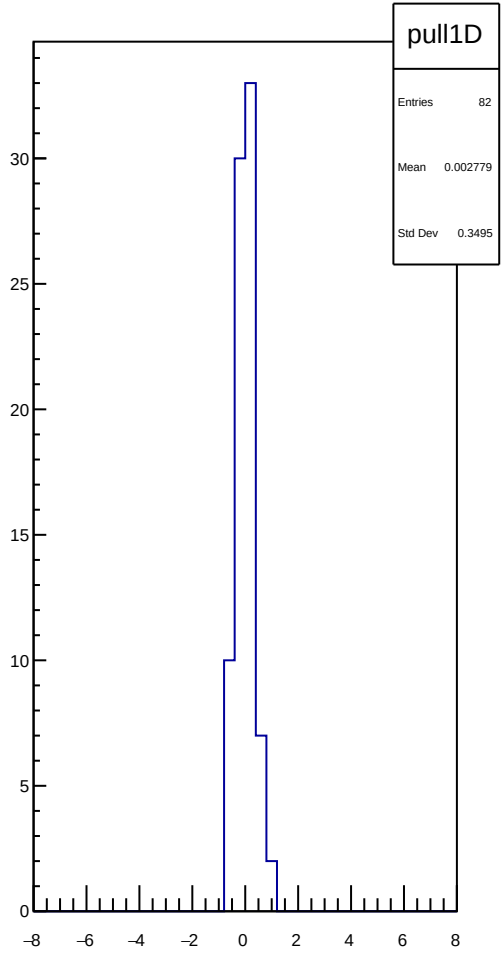

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 10.4 / 81
p0 −4.835 ± 1.143
pull
Entries 82
Mean −644.3
Std Dev 686.3

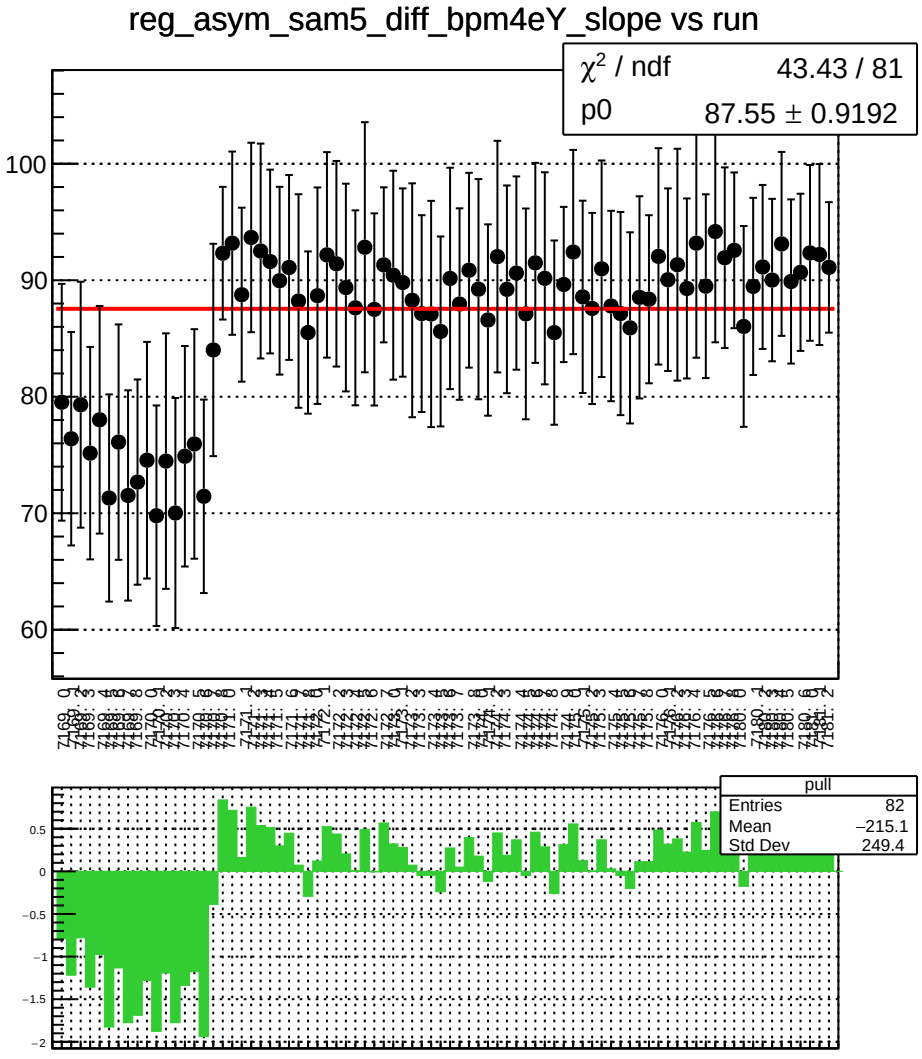

pull1D
Entries 82
Mean −0.004125
Std Dev 0.3562

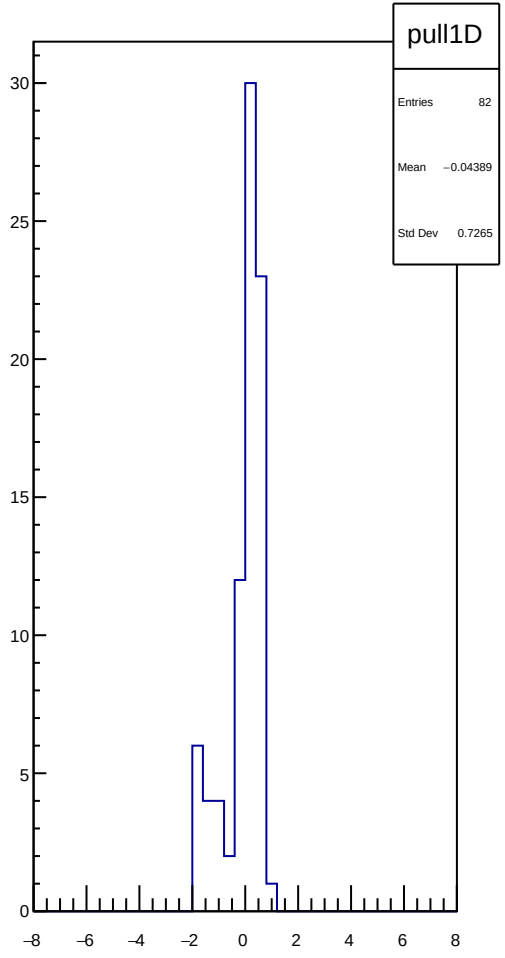

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 21.22 / 81
p0 52.59 ± 0.8186
pull
Entries 82
Mean −417.3
Std Dev 452

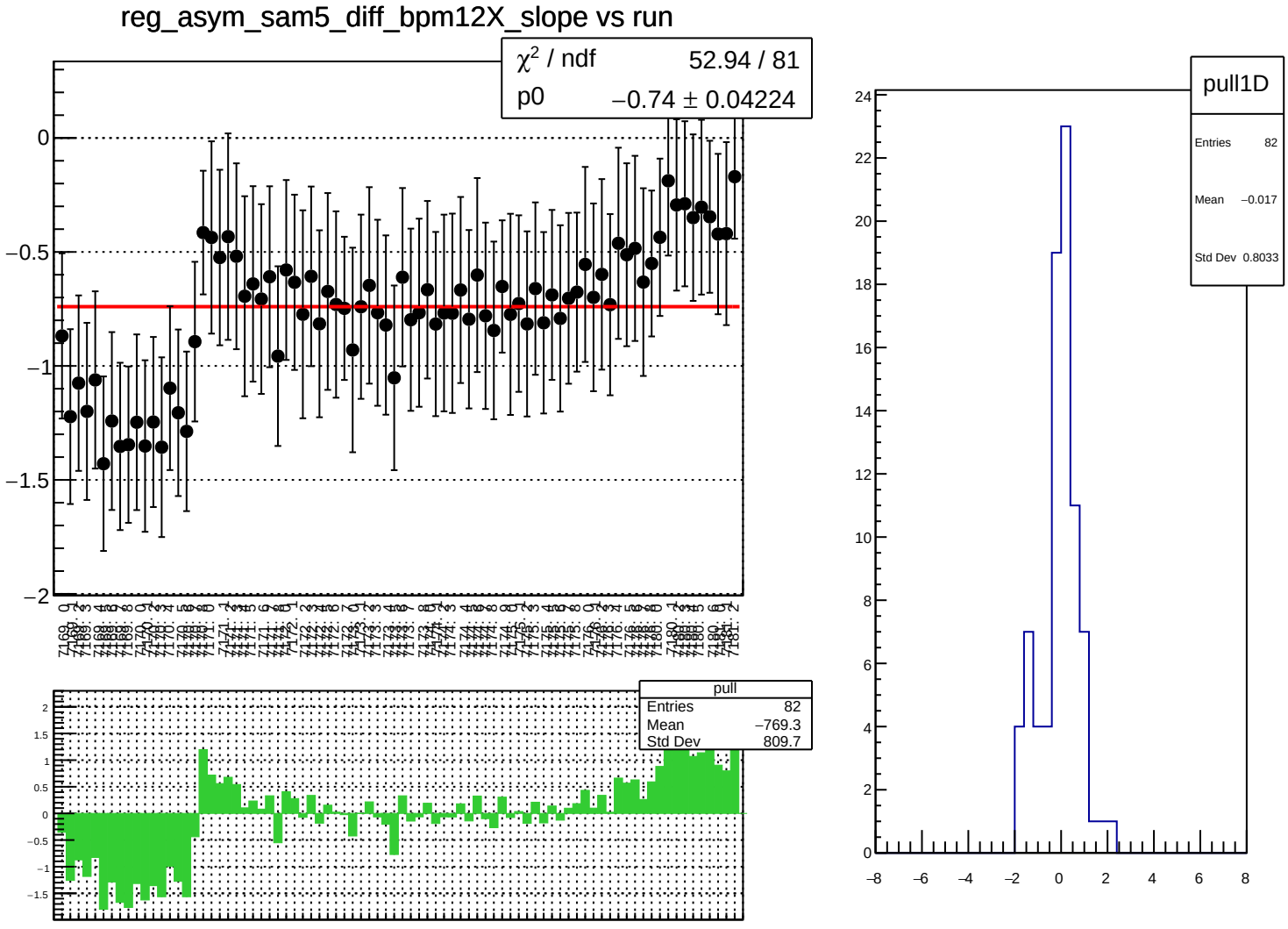

pull1D
Entries 82
Mean 0.0171
Std Dev 0.5085

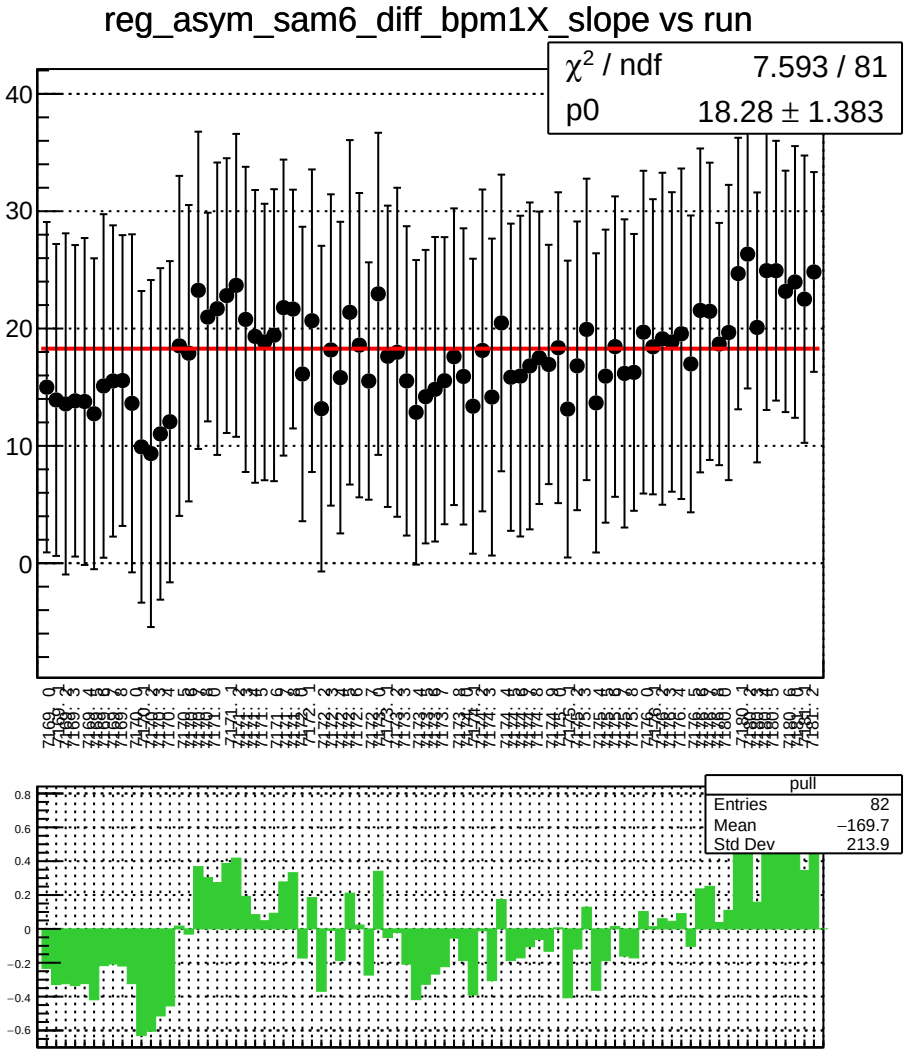

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.02 / 81
p0 5.093 ± 1.142
pull
Entries 82
Mean −932.9
Std Dev 974.8

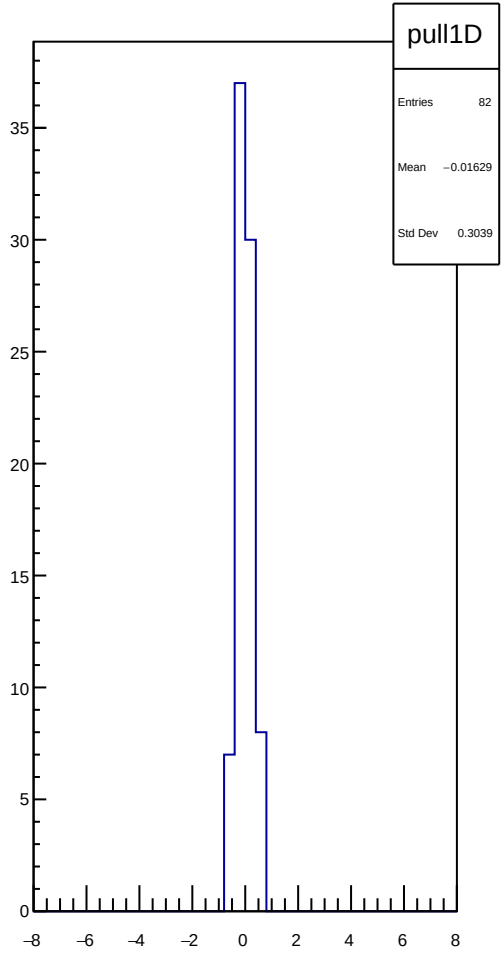

pull1D
Entries 82
Mean 0.002779
Std Dev 0.3495

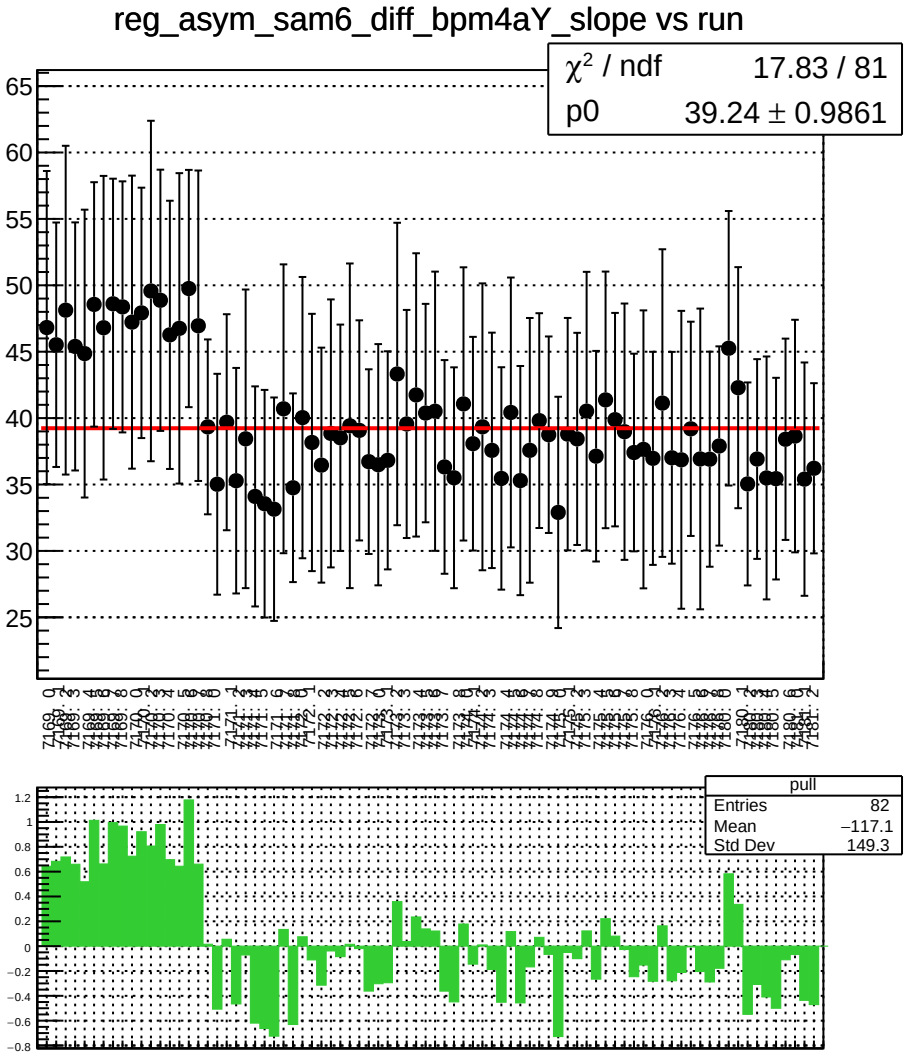

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 43.43 / 81
p0 87.55 ± 0.9192
pull
Entries 82
Mean −215.1
Std Dev 249.4

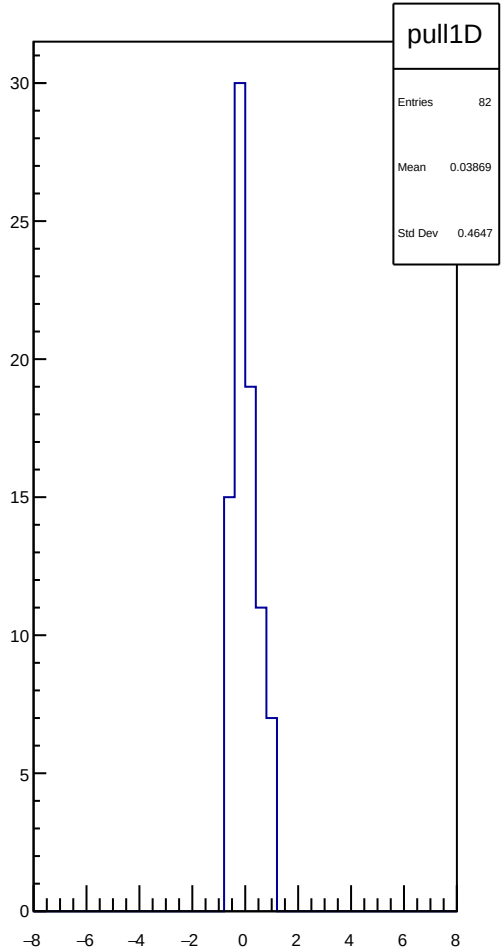

pull1D
Entries 82
Mean −0.04389
Std Dev 0.7265

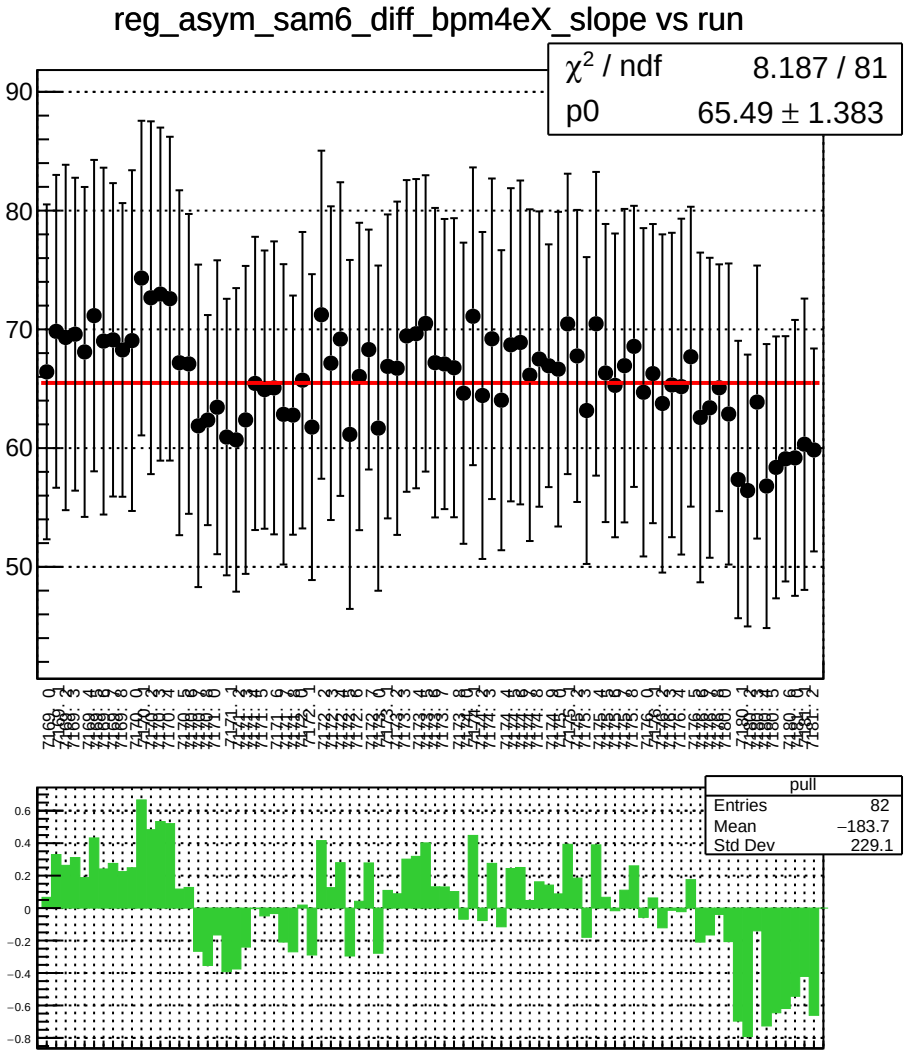

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 52.94 / 81
p0 −0.74 ± 0.04224
pull
Entries 82
Mean −769.3
Std Dev 809.7
pull1D
Entries 82
Mean −0.017
Std Dev 0.8033

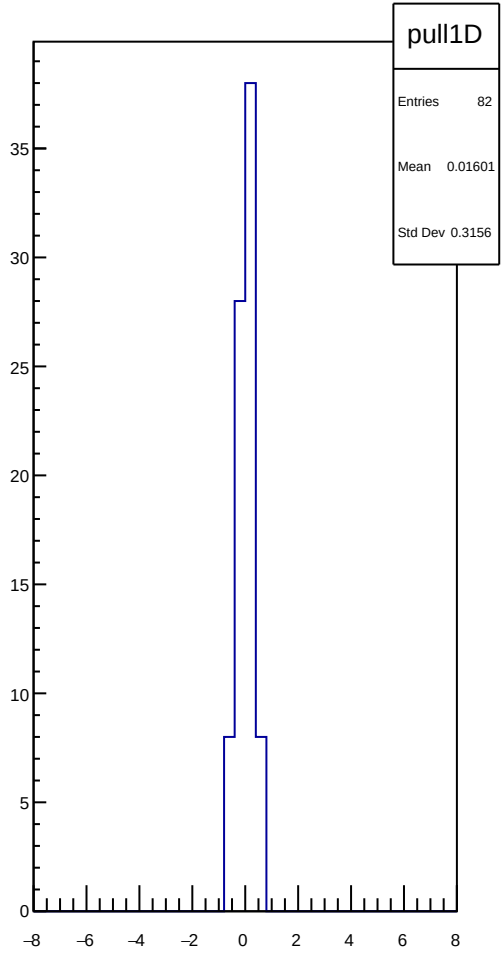

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 7.593 / 81
p0 18.28 ± 1.383
pull
Entries 82
Mean −169.7
Std Dev 213.9

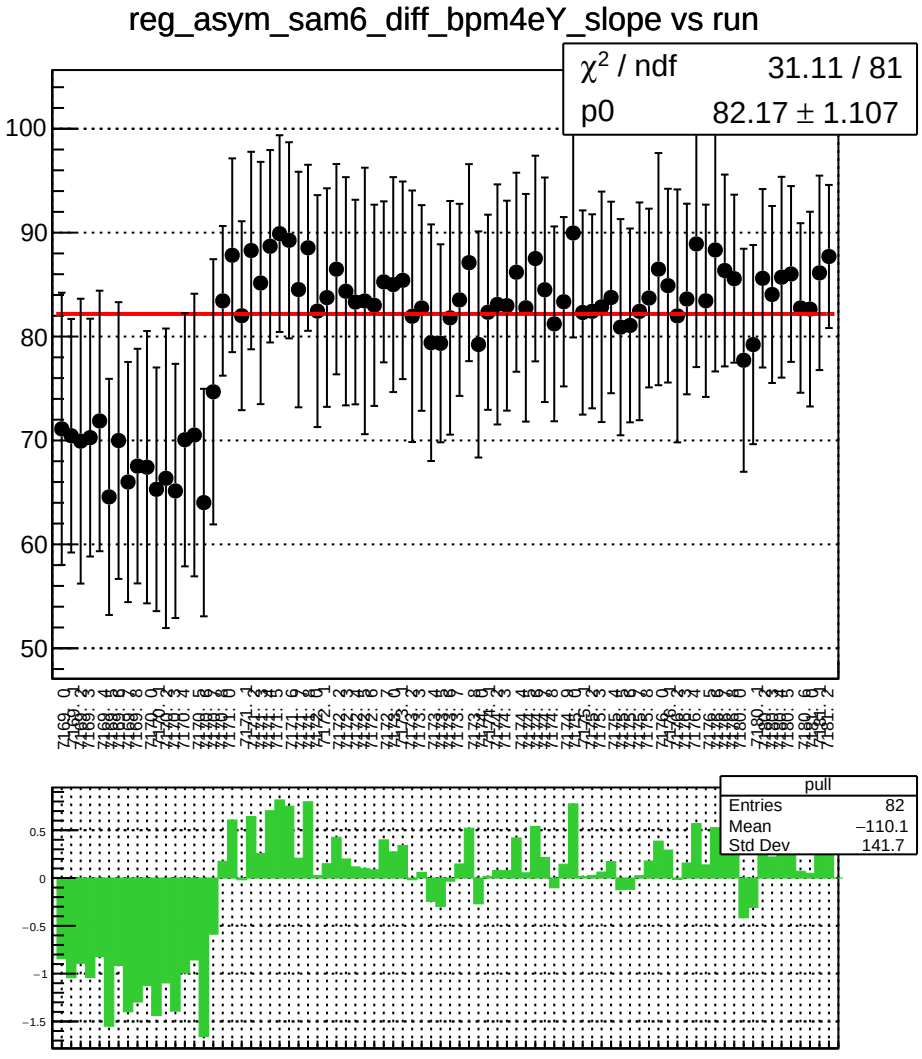

pull1D
Entries 82
Mean −0.01629
Std Dev 0.3039

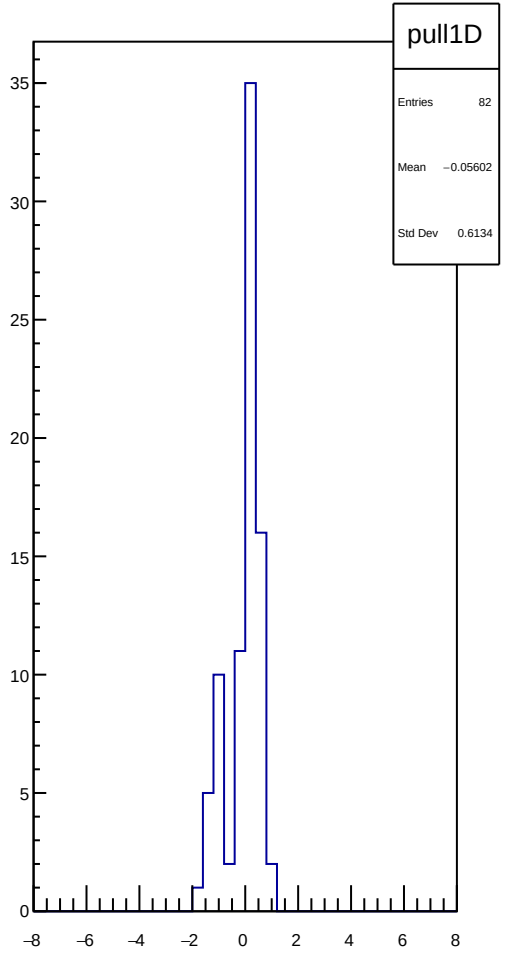

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 17.83 / 81
p0 39.24 ± 0.9861
pull
Entries 82
Mean −117.1
Std Dev 149.3

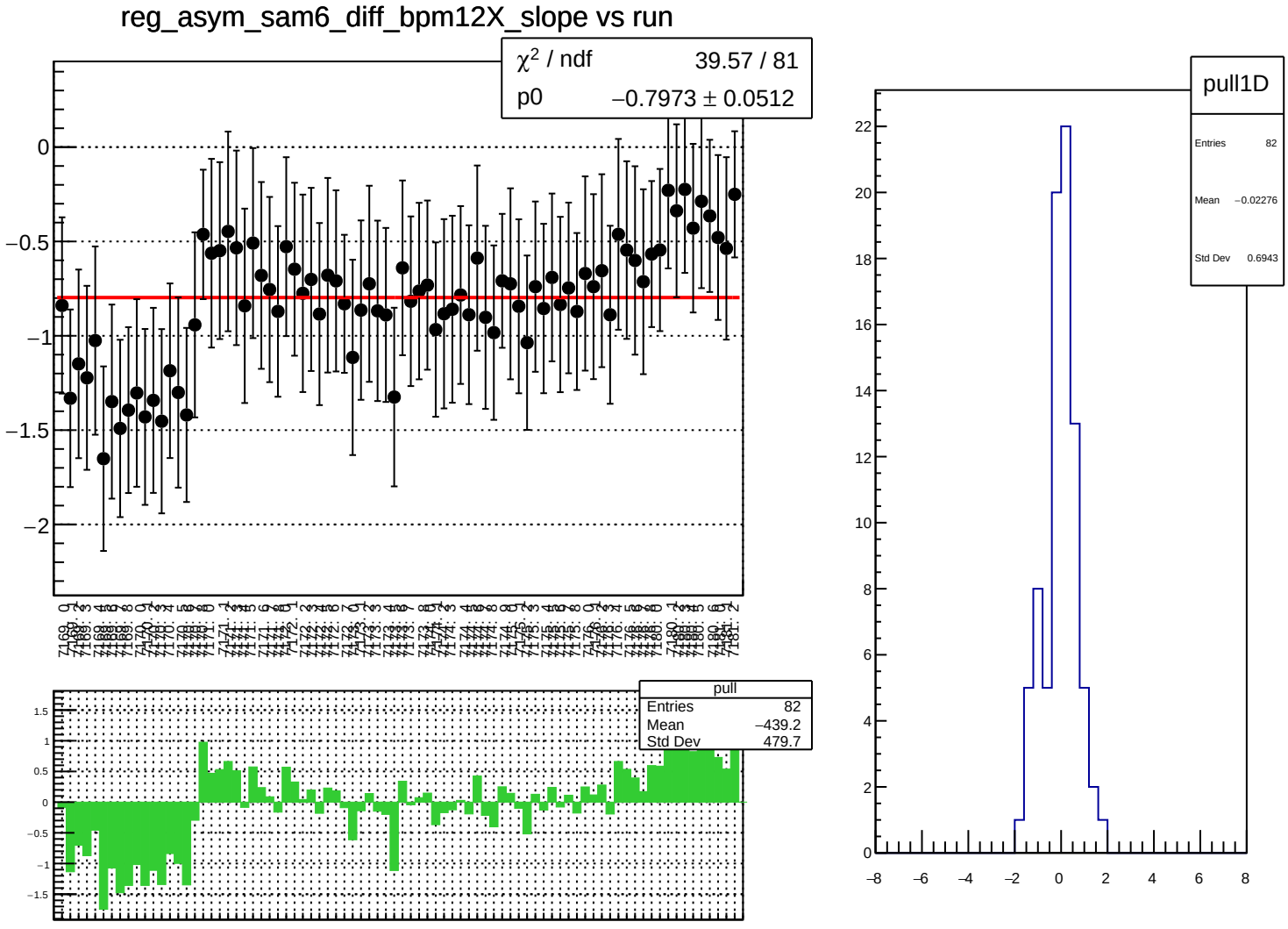

pull1D
Entries 82
Mean 0.03869
Std Dev 0.4647

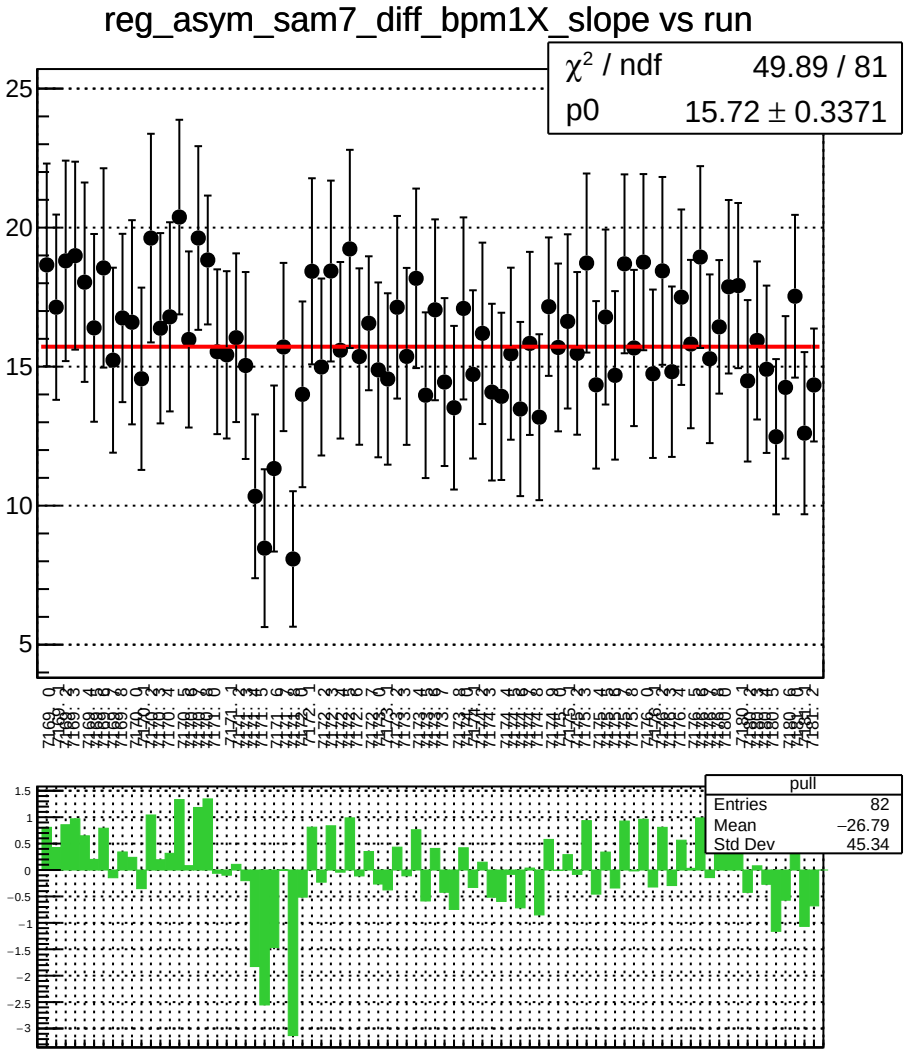

reg_asym_sam6_diff_bpm4eX_slope vs run
χ2 / ndf 8.187 / 81
p0 65.49 ± 1.383
pull
Entries 82
Mean −183.7
Std Dev 229.1

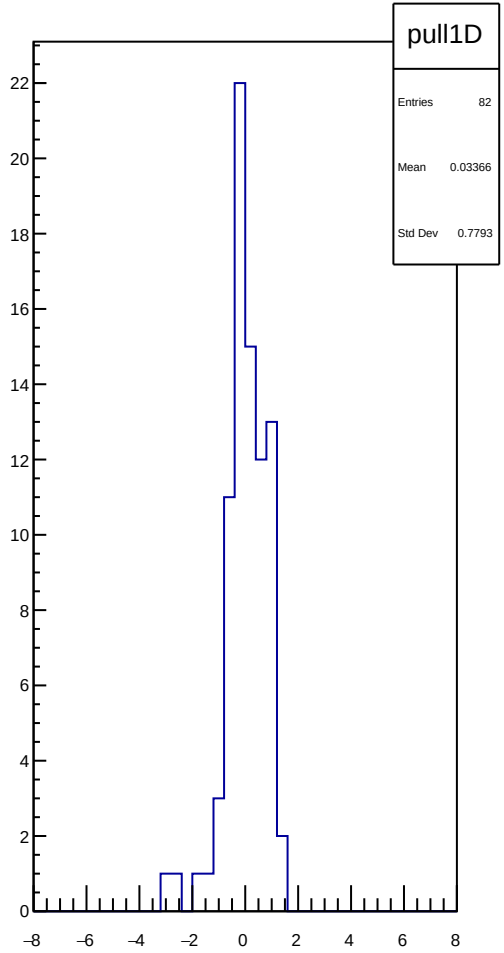

pull1D
Entries 82
Mean 0.01601
Std Dev 0.3156

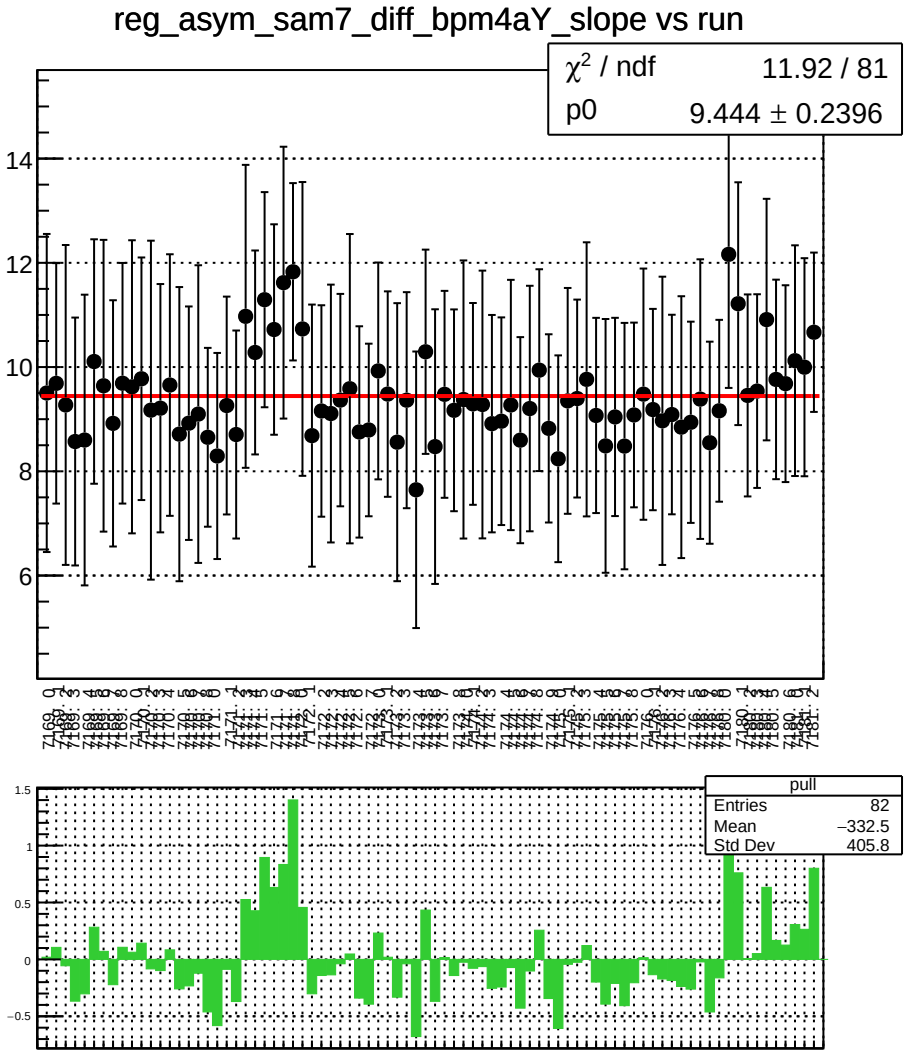

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 31.11 / 81
p0 82.17 ± 1.107
pull
Entries 82
Mean −110.1
Std Dev 141.7

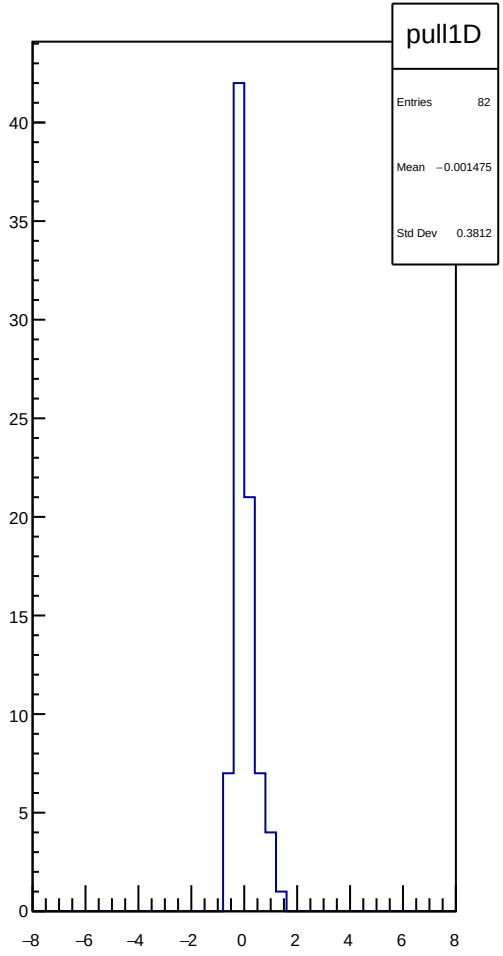

pull1D
Entries 82
Mean −0.05602
Std Dev 0.6134

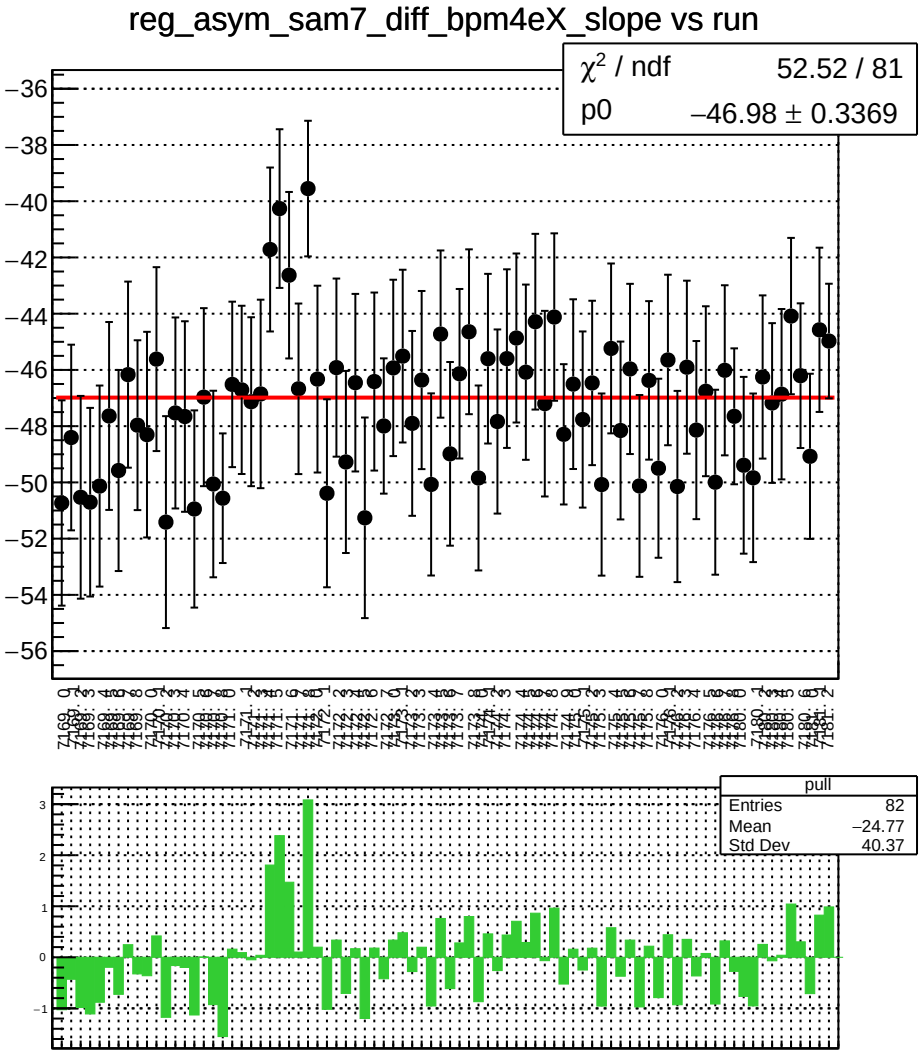

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 39.57 / 81
p0 −0.7973 ± 0.0512
pull
Entries 82
Mean −439.2
Std Dev 479.7
pull1D
Entries 82
Mean −0.02276
Std Dev 0.6943

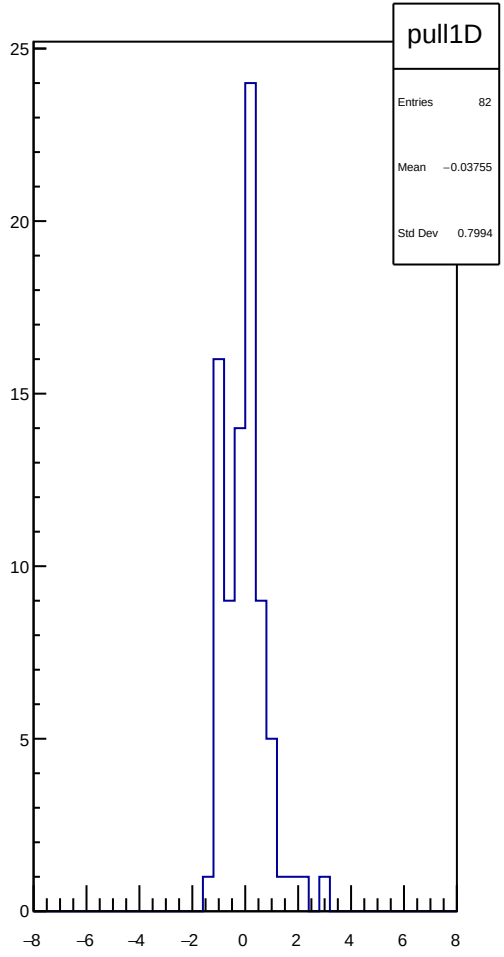

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 49.89 / 81
p0 15.72 ± 0.3371
pull
Entries 82
Mean −26.79
Std Dev 45.34

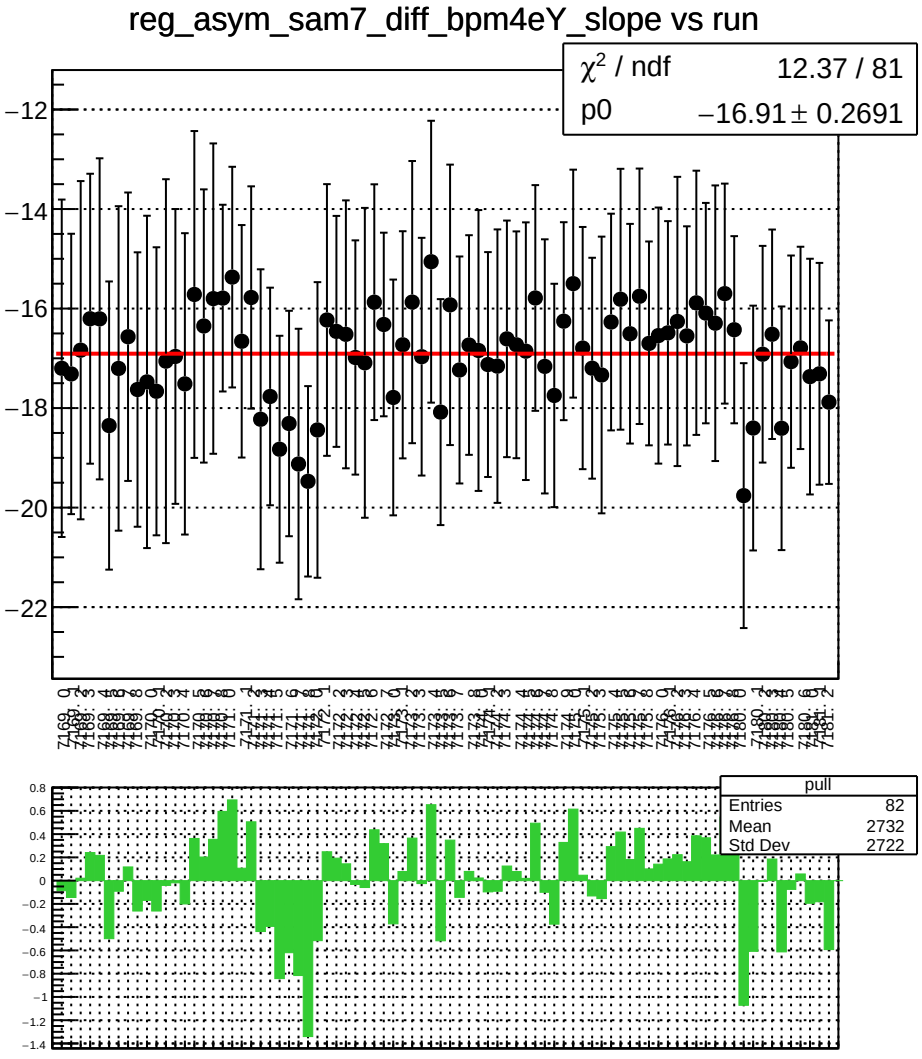

pull1D
Entries 82
Mean 0.03366
Std Dev 0.7793

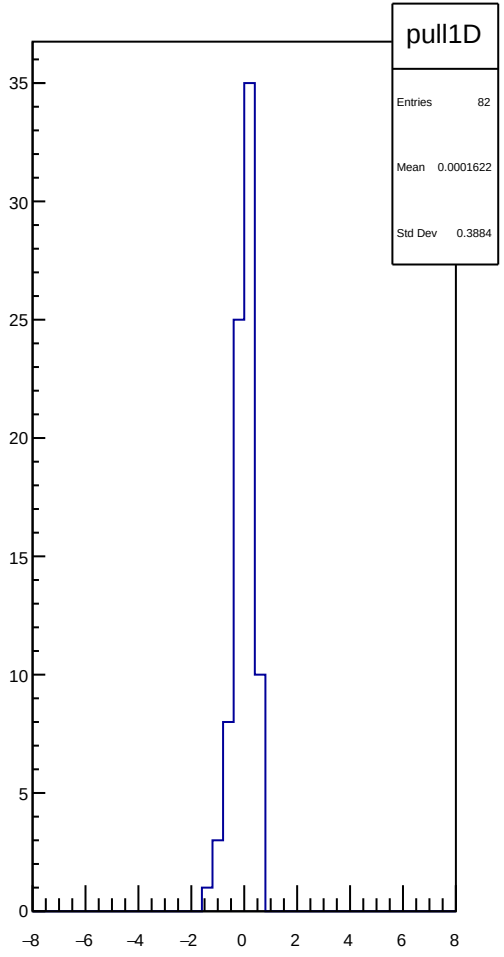

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 11.92 / 81
p0 9.444 ± 0.2396
pull
Entries 82
Mean −332.5
Std Dev 405.8

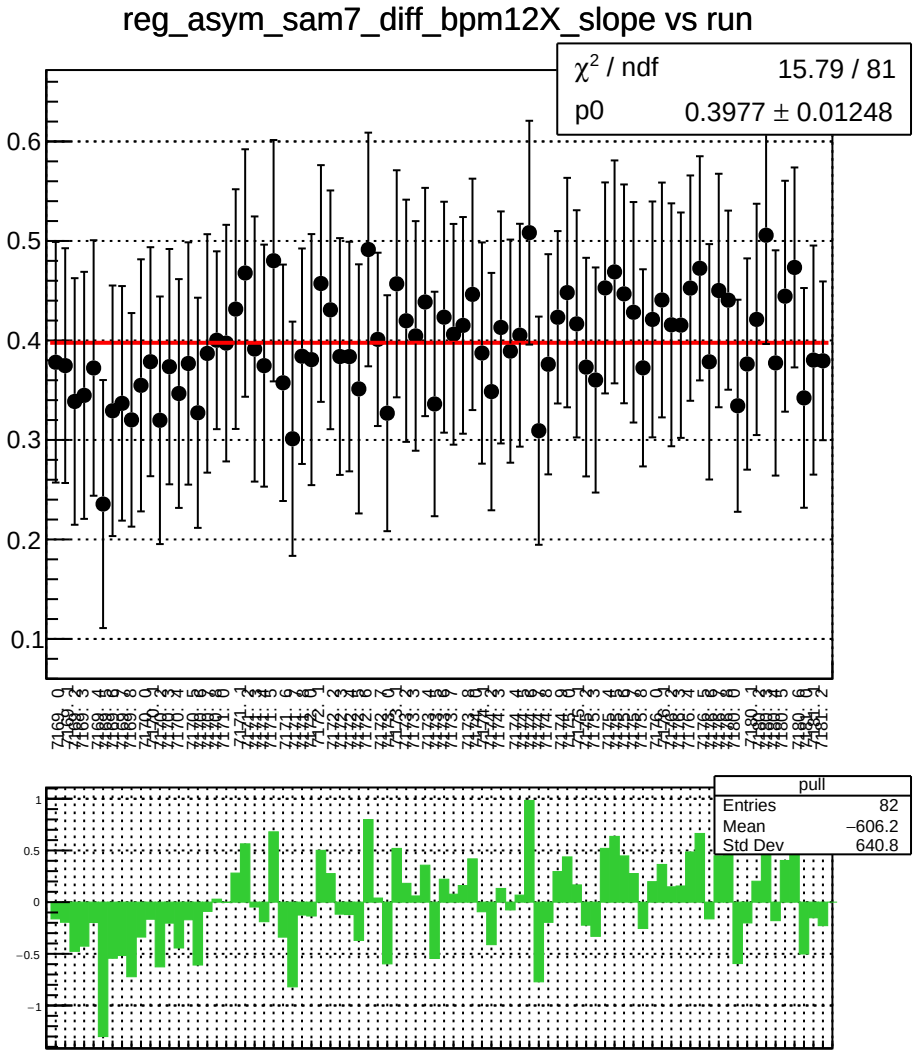

pull1D
Entries 82
Mean −0.001475
Std Dev 0.3812

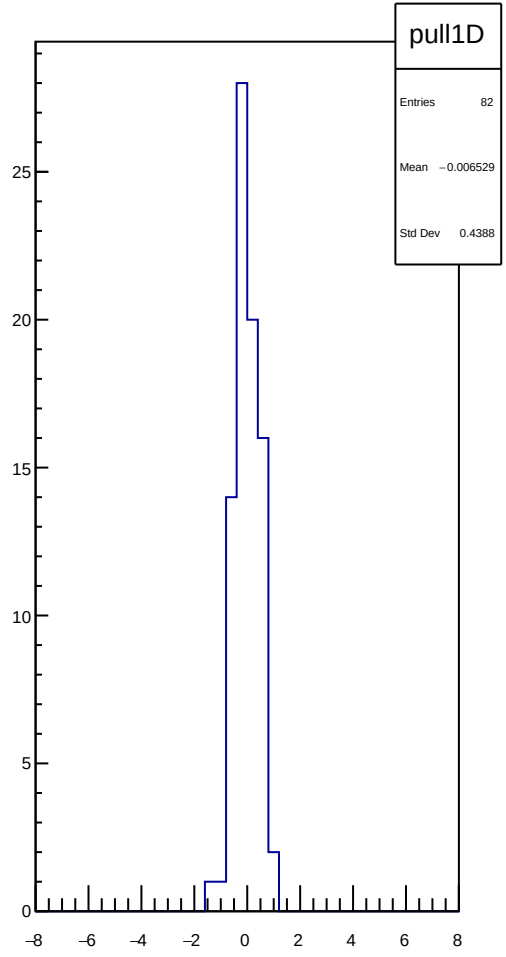

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 52.52 / 81
p0 −46.98 ± 0.3369
pull
Entries 82
Mean −24.77
Std Dev 40.37

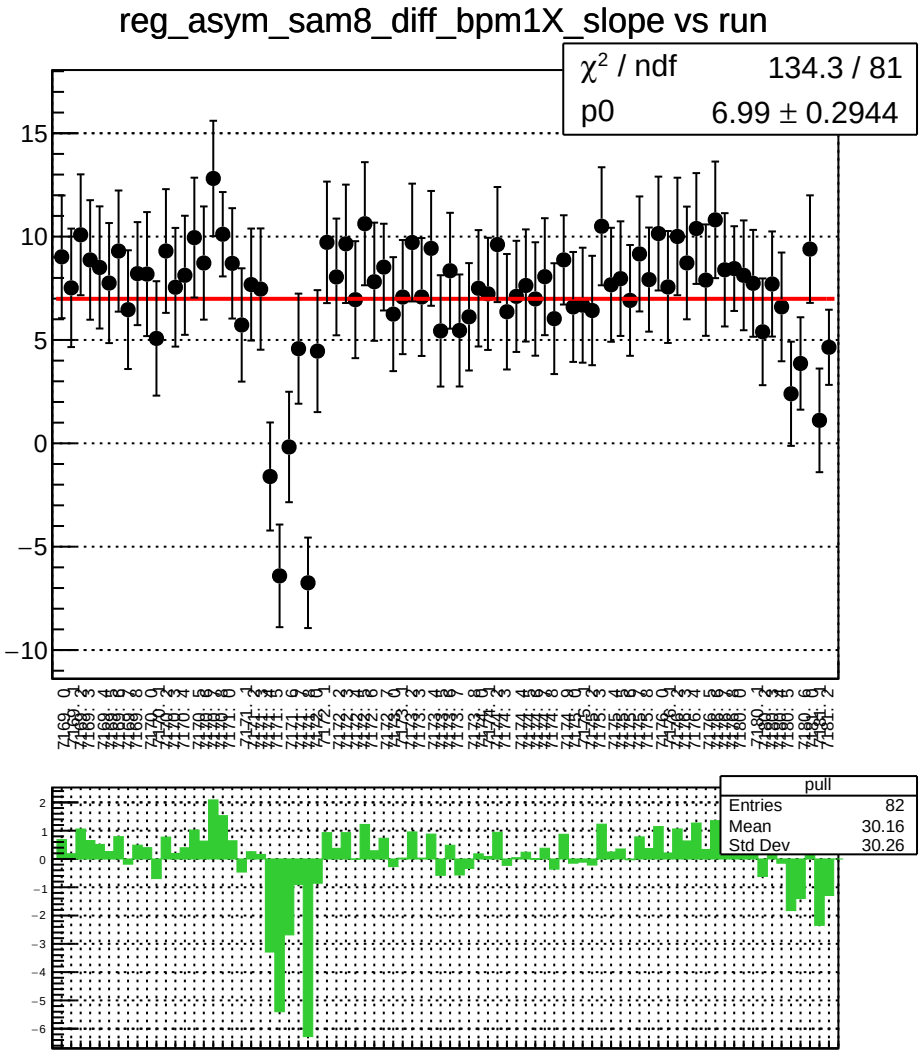

pull1D
Entries 82
Mean −0.03755
Std Dev 0.7994

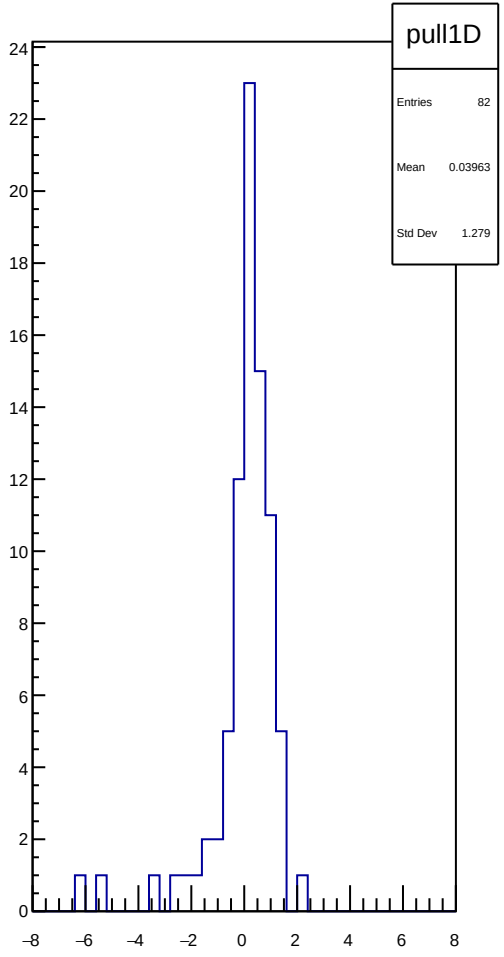

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 12.37 / 81
p0 −16.91 ± 0.2691
pull
Entries 82
Mean 2732
Std Dev 2722

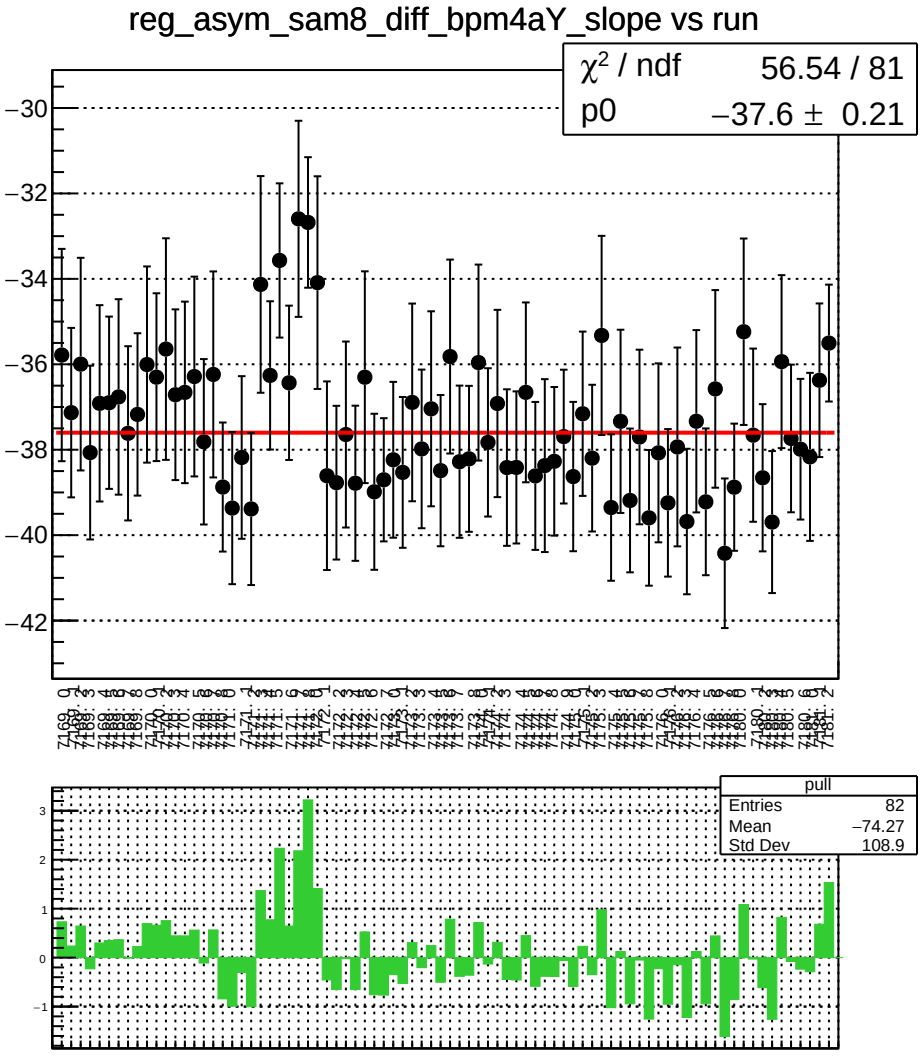

pull1D
Entries 82
Mean 0.0001622
Std Dev 0.3884

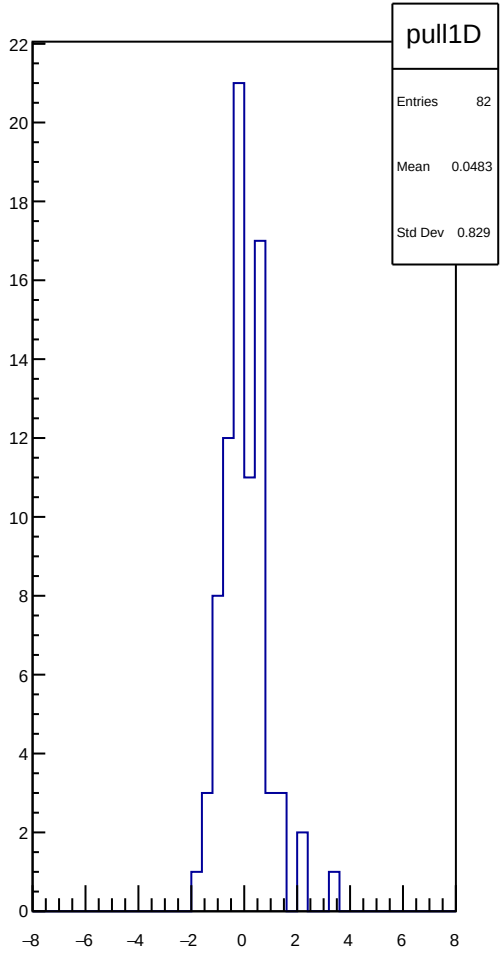

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.79 / 81
p0 0.3977 ± 0.01248
pull
Entries 82
Mean −606.2
Std Dev 640.8

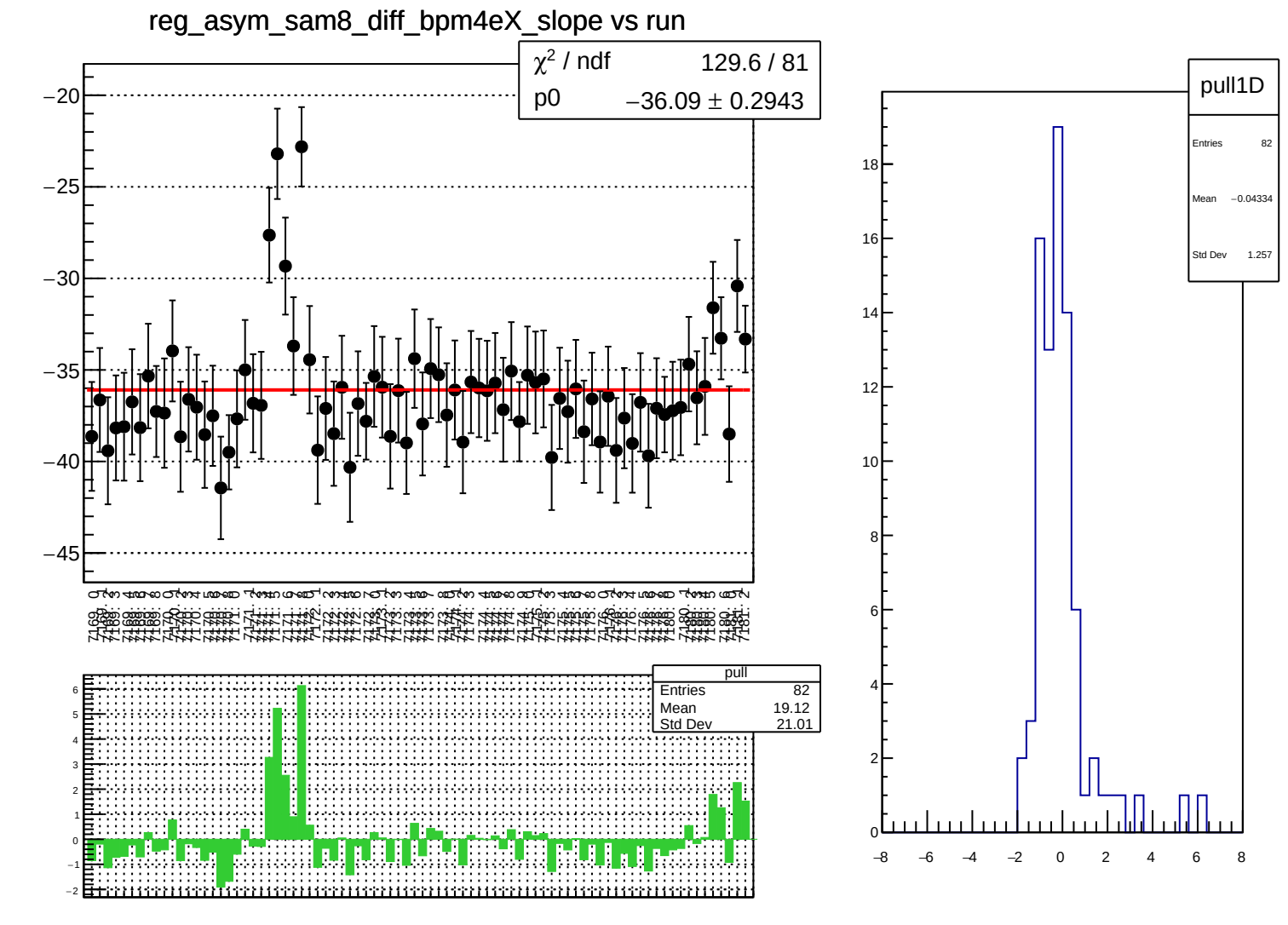

pull1D
Entries 82
Mean −0.006529
Std Dev 0.4388

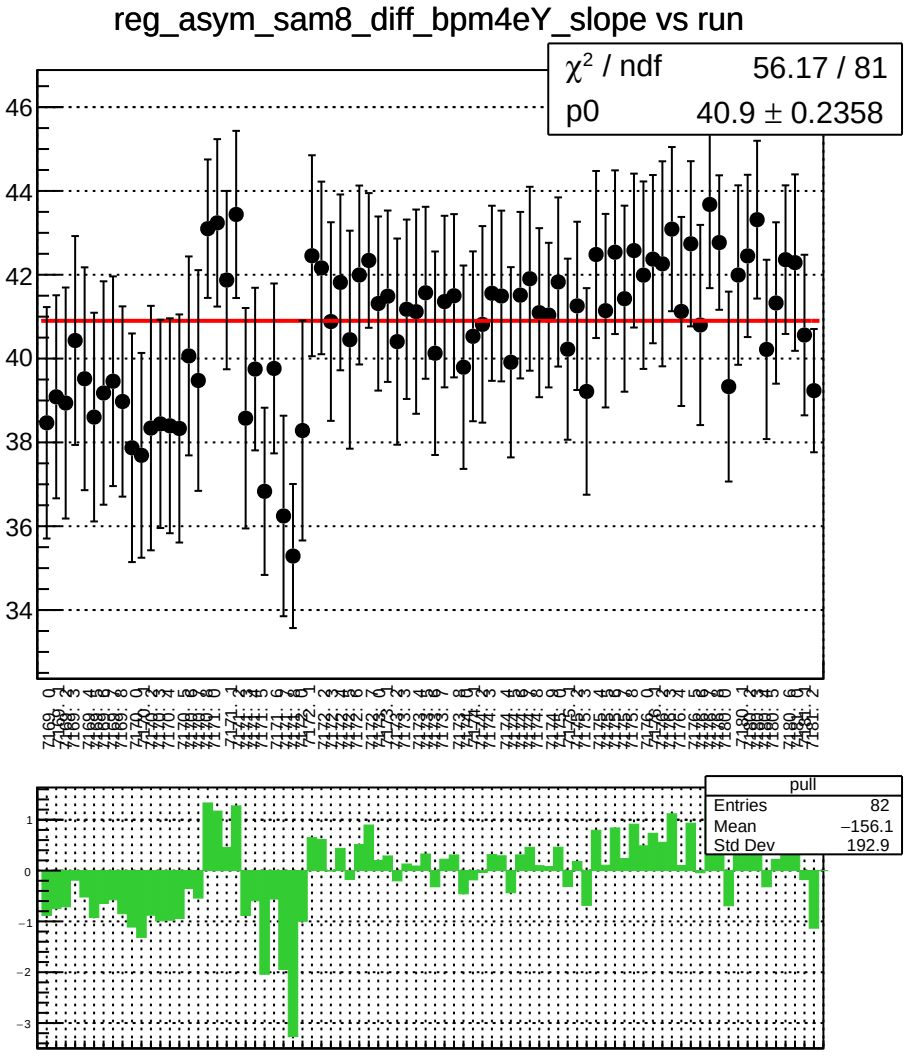

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 134.3 / 81
p0 6.99 ± 0.2944
pull
Entries 82
Mean 30.16
Std Dev 30.26

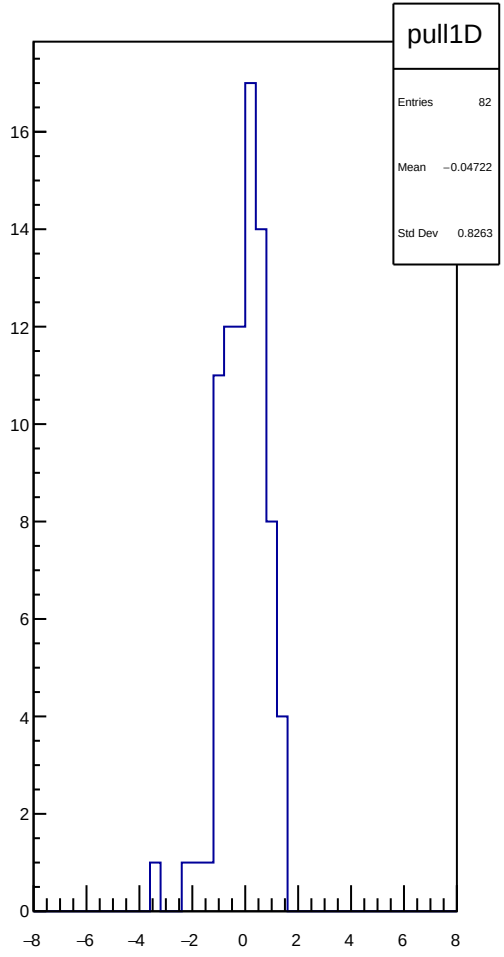

pull1D
Entries 82
Mean 0.03963
Std Dev 1.279

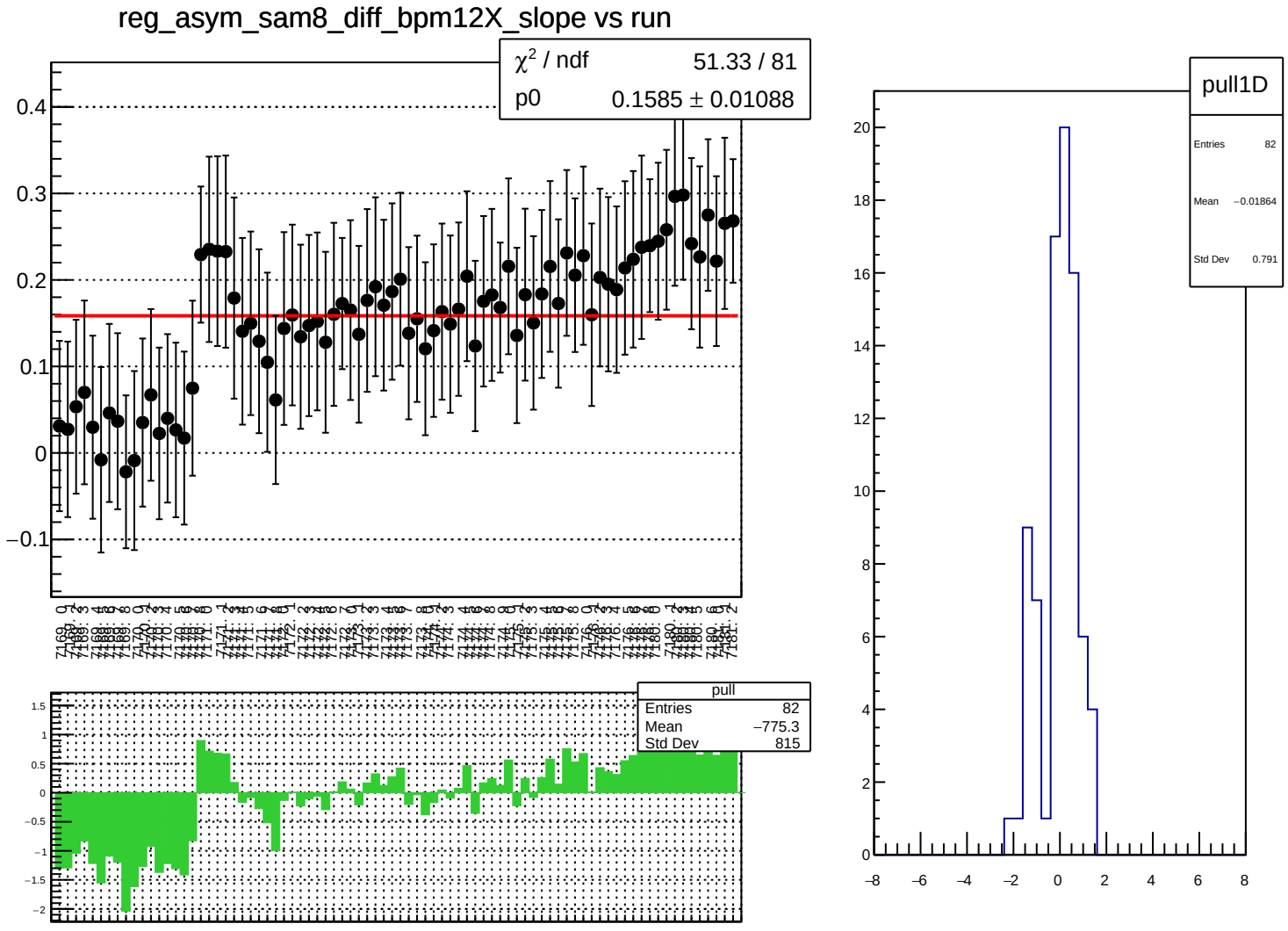

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 56.54 / 81
p0 −37.6 ± 0.21
pull
Entries 82
Mean −74.27
Std Dev 108.9

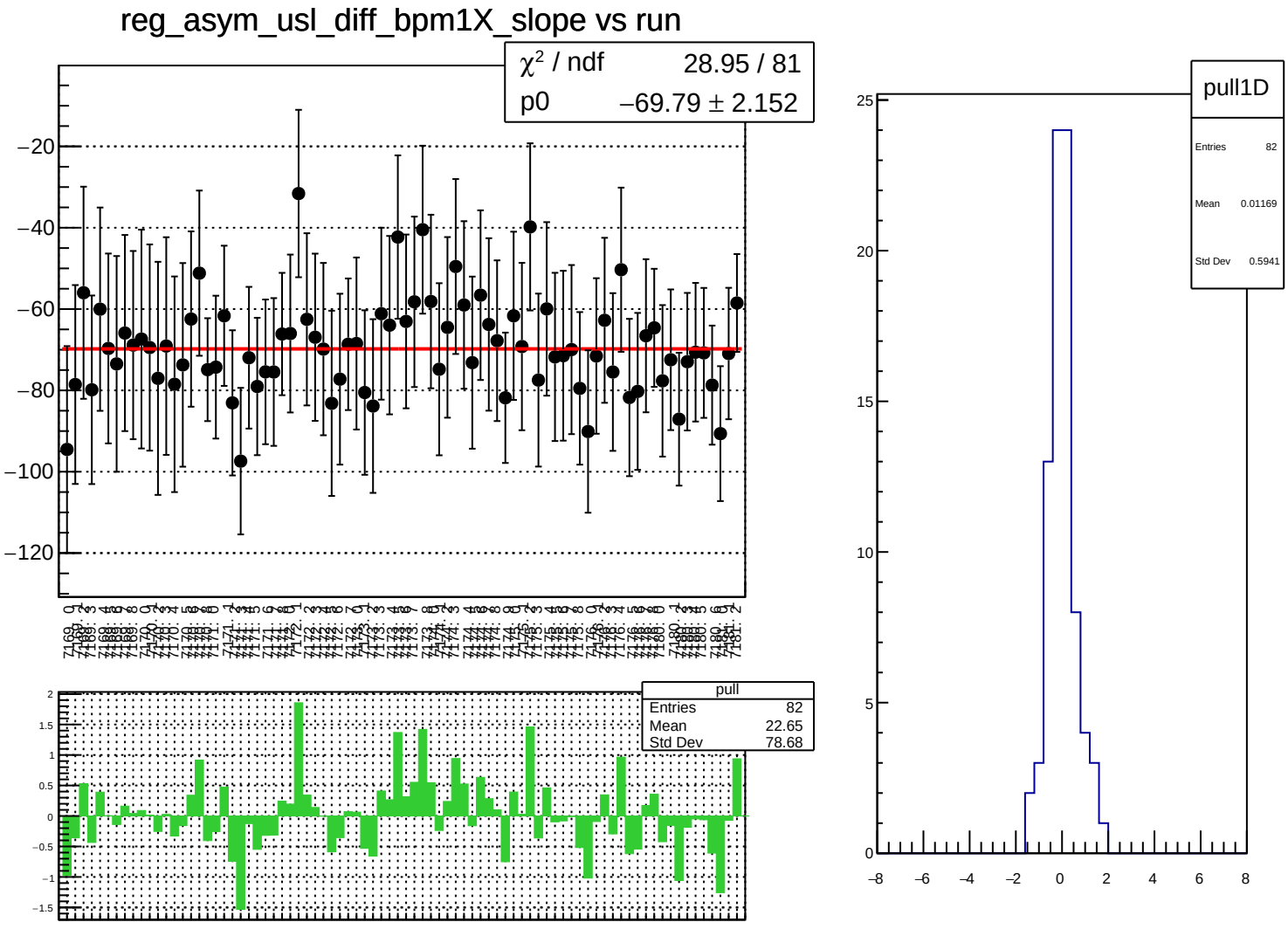

pull1D
Entries 82
Mean 0.0483
Std Dev 0.829

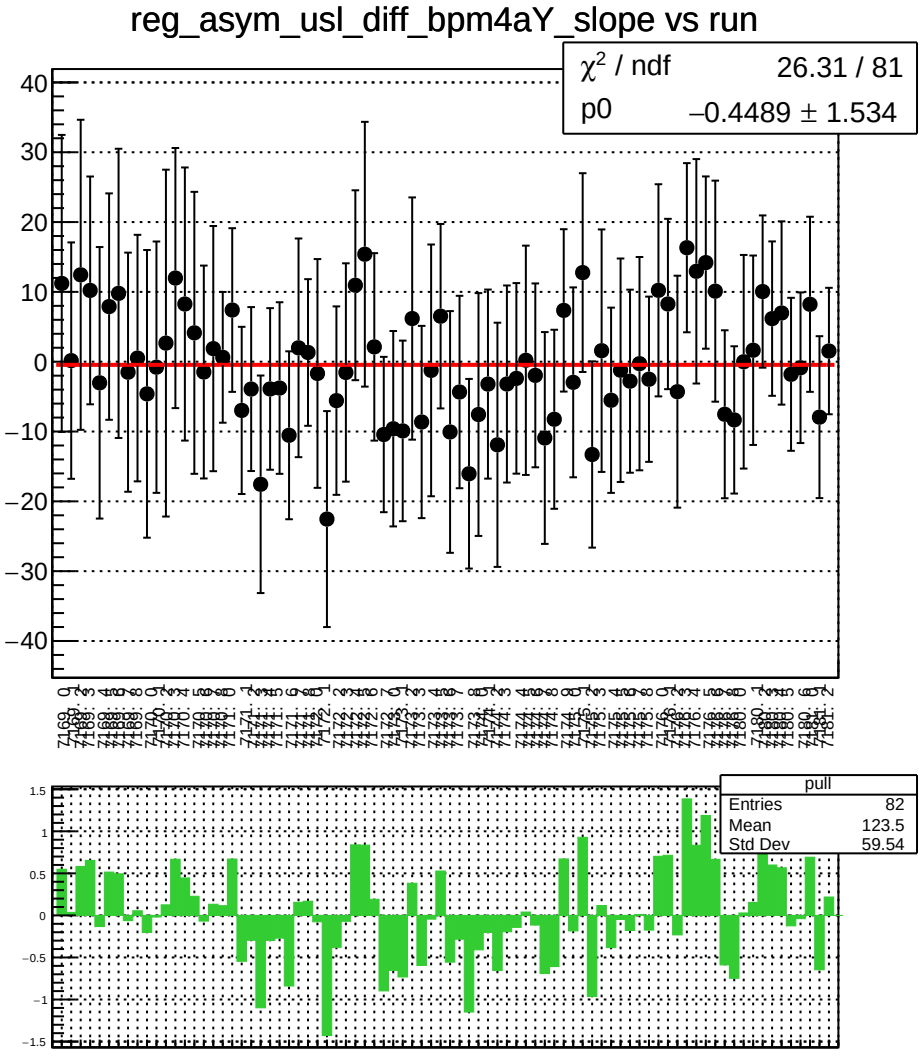

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 129.6 / 81
p0 −36.09 ± 0.2943
pull
Entries 82
Mean 19.12
Std Dev 21.01
pull1D
Entries 82
Mean −0.04334
Std Dev 1.257

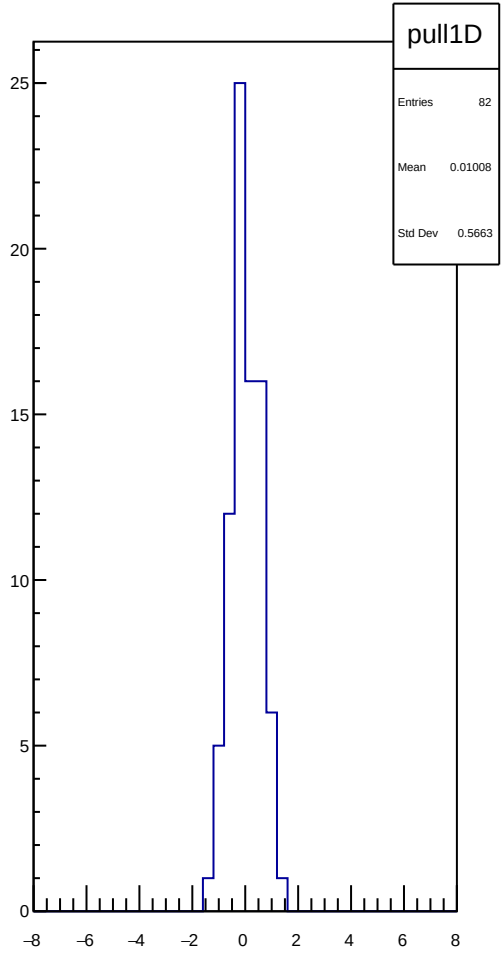

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 56.17 / 81
p0 40.9 ± 0.2358
pull
Entries 82
Mean −156.1
Std Dev 192.9

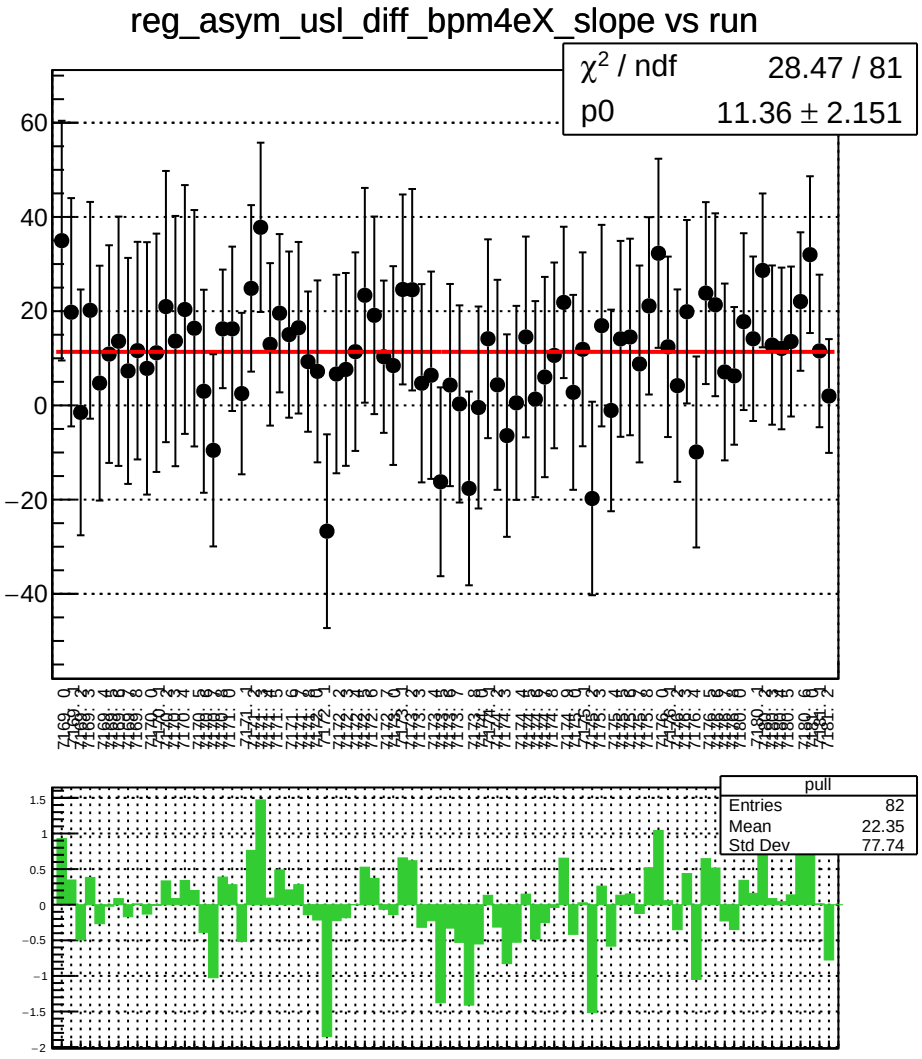

pull1D
Entries 82
Mean −0.04722
Std Dev 0.8263

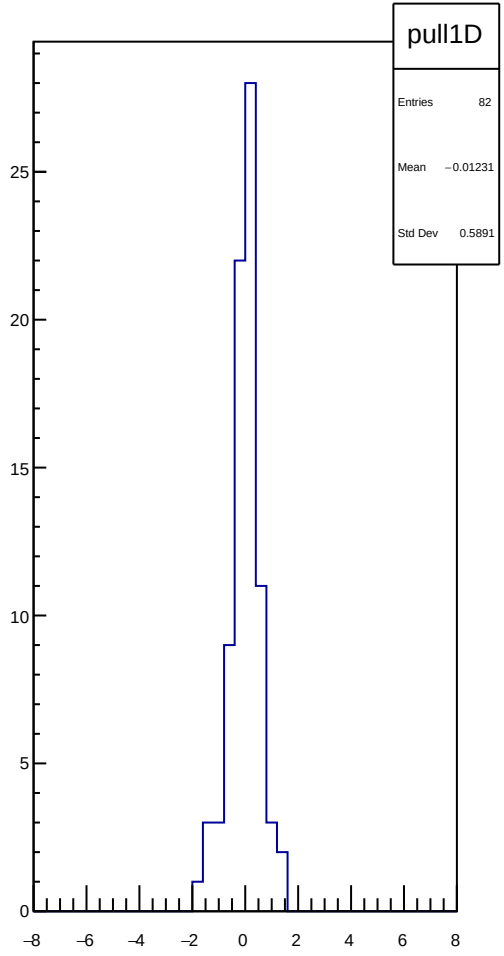

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 51.33 / 81
p0 0.1585 ± 0.01088
pull
Entries 82
Mean −775.3
Std Dev 815
pull1D
Entries 82
Mean −0.01864
Std Dev 0.791

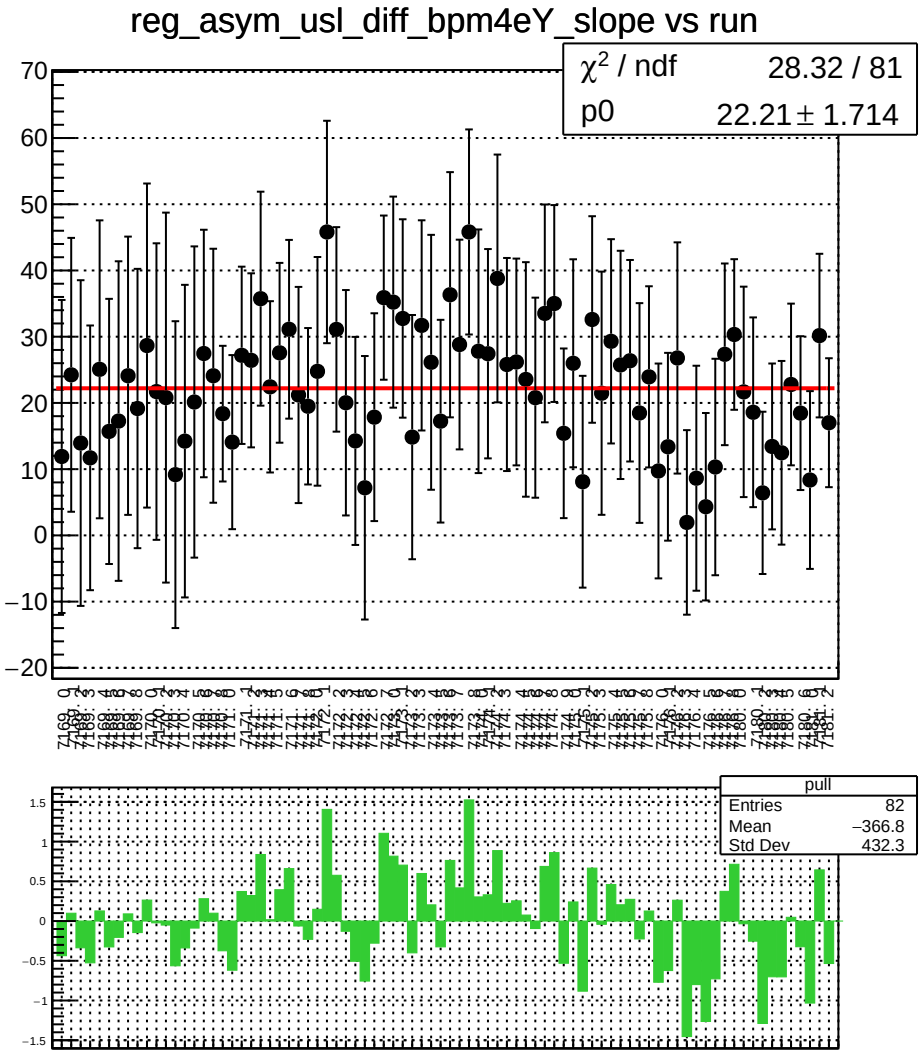

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 28.95 / 81
p0 −69.79 ± 2.152
pull
Entries 82
Mean 22.65
Std Dev 78.68
pull1D
Entries 82
Mean 0.01169
Std Dev 0.5941

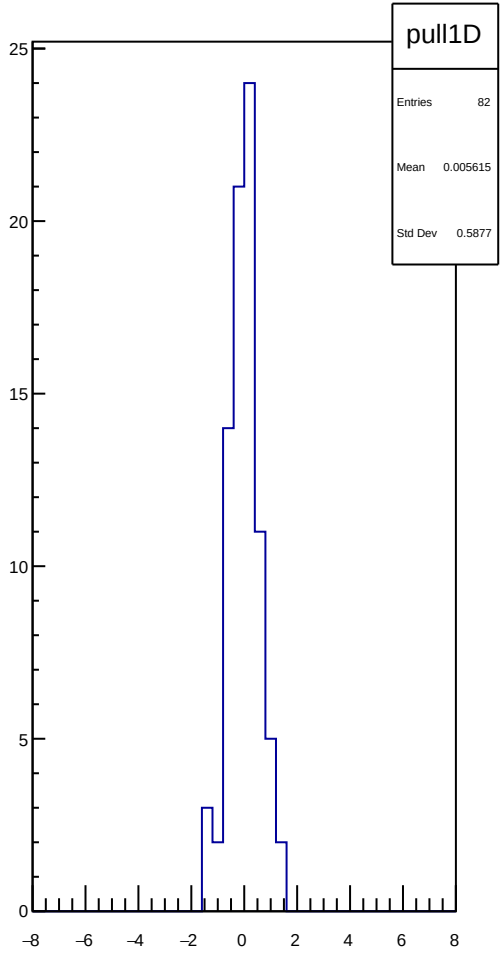

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 26.31 / 81
p0 −0.4489 ± 1.534
pull
Entries 82
Mean 123.5
Std Dev 59.54

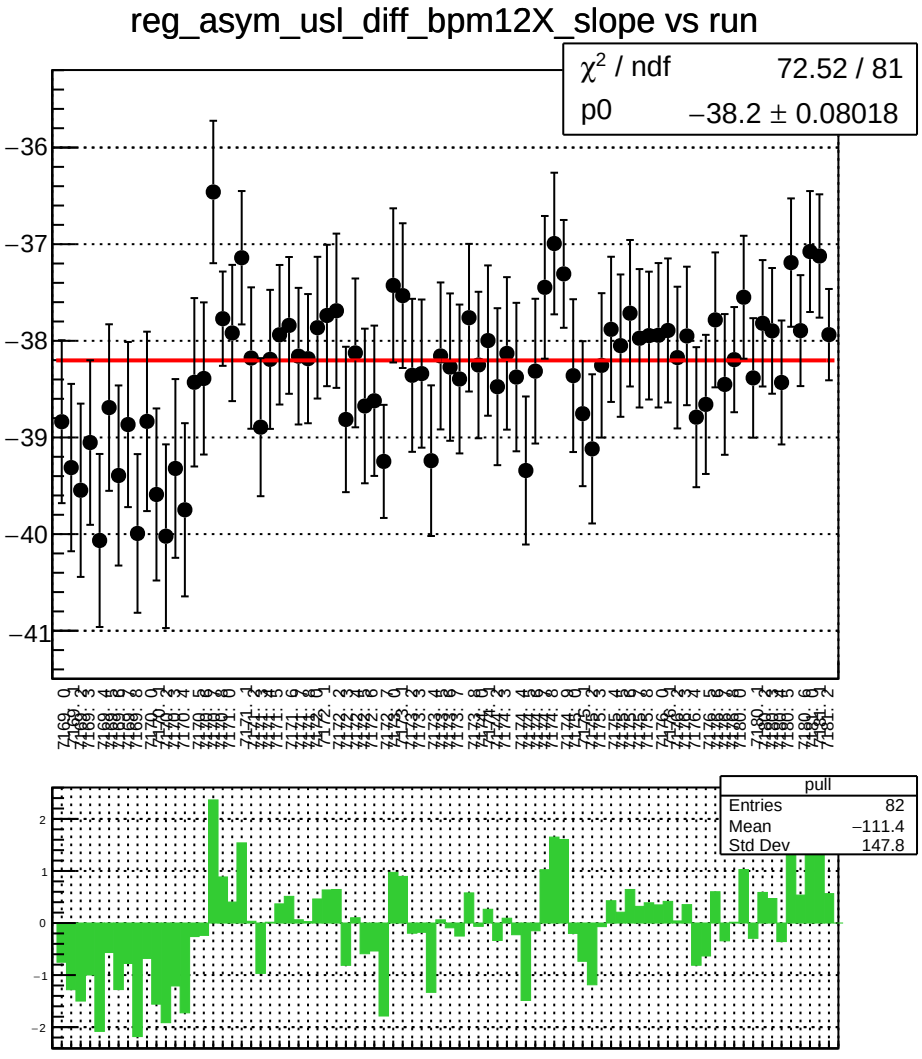

pull1D
Entries 82
Mean 0.01008
Std Dev 0.5663

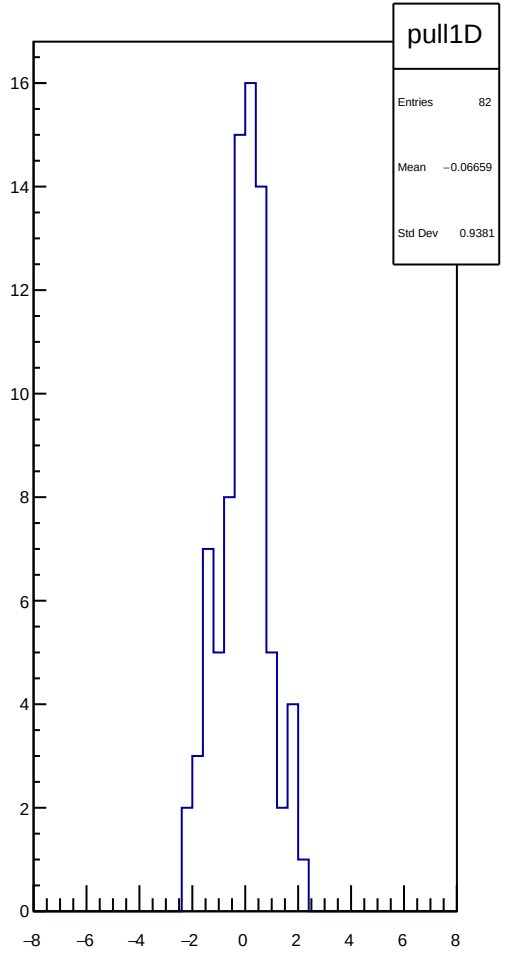

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 28.47 / 81
p0 11.36 ± 2.151
pull
Entries 82
Mean 22.35
Std Dev 77.74

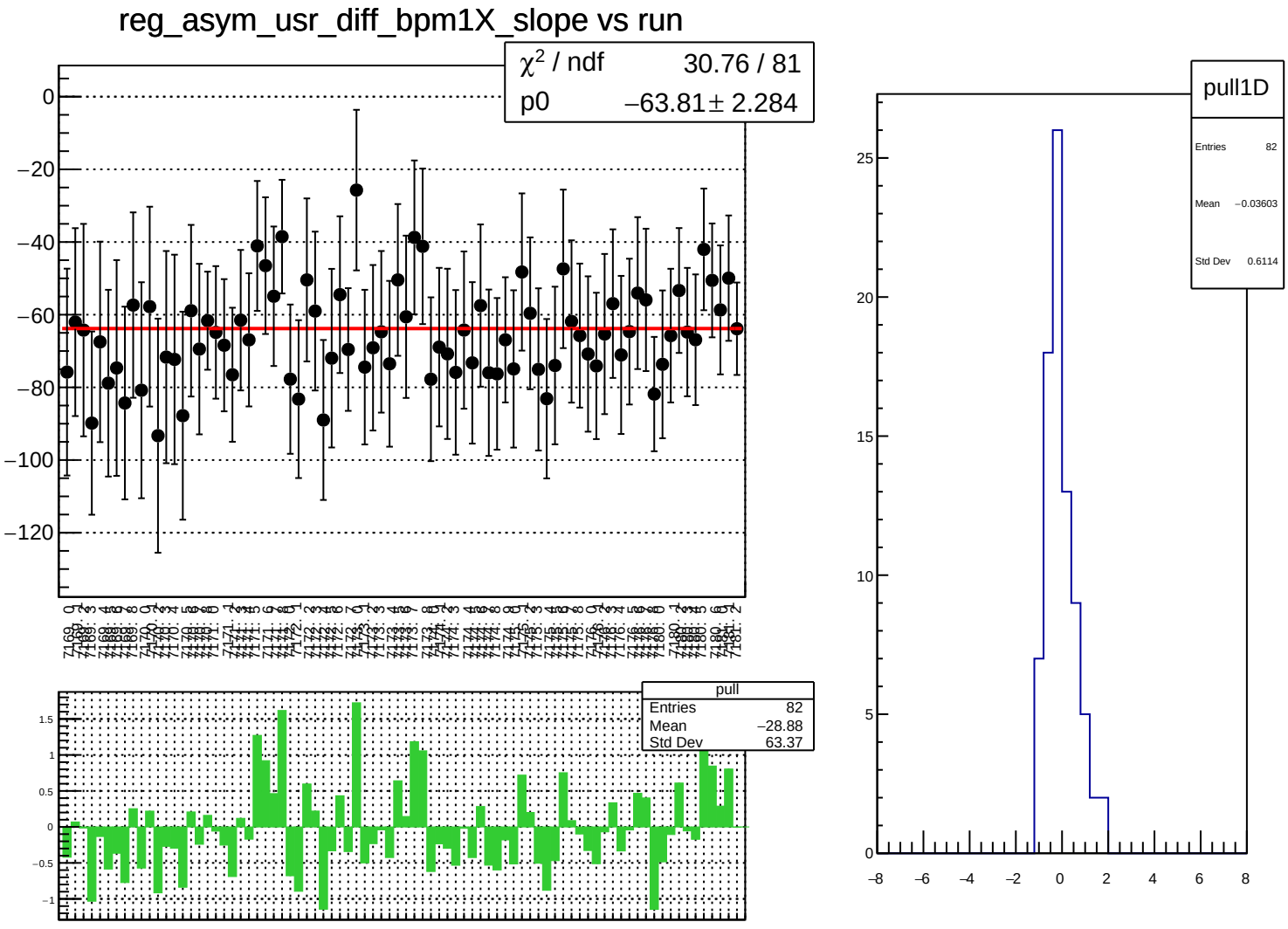

pull1D
Entries 82
Mean −0.01231
Std Dev 0.5891

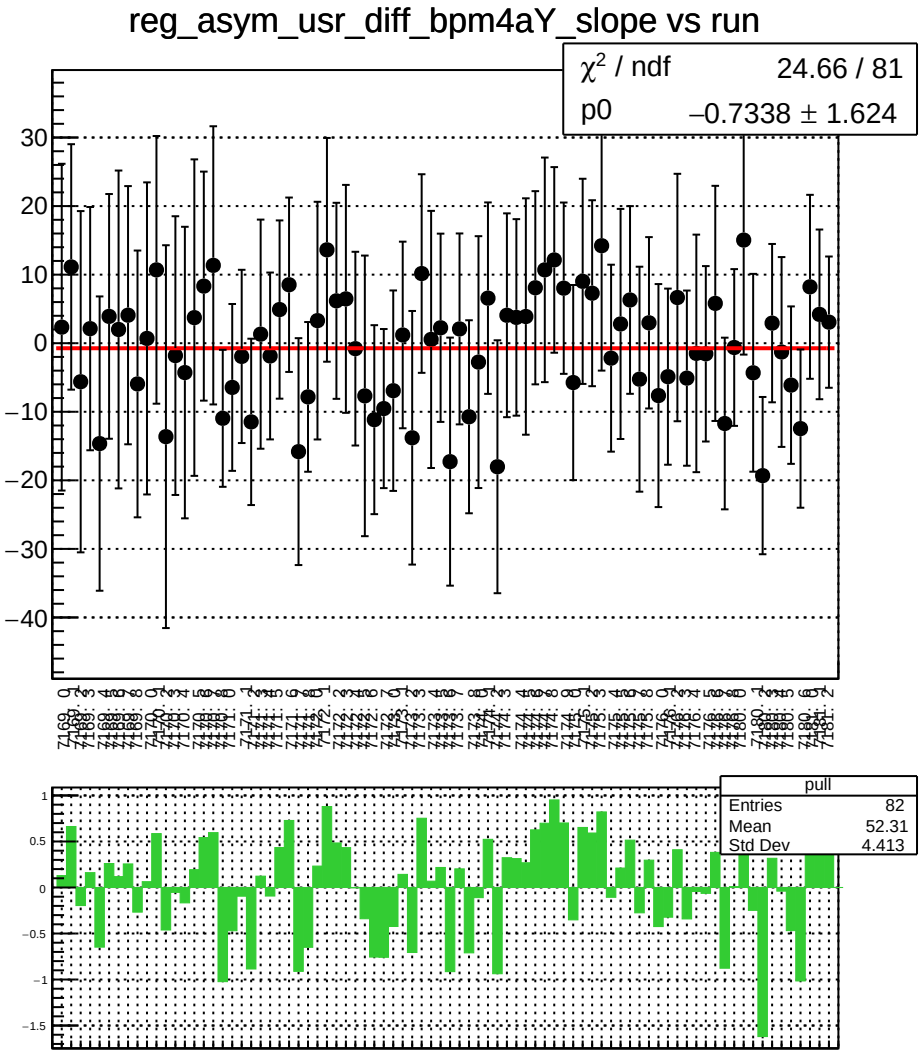

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.32 / 81
p0 22.21 ± 1.714
pull
Entries 82
Mean −366.8
Std Dev 432.3

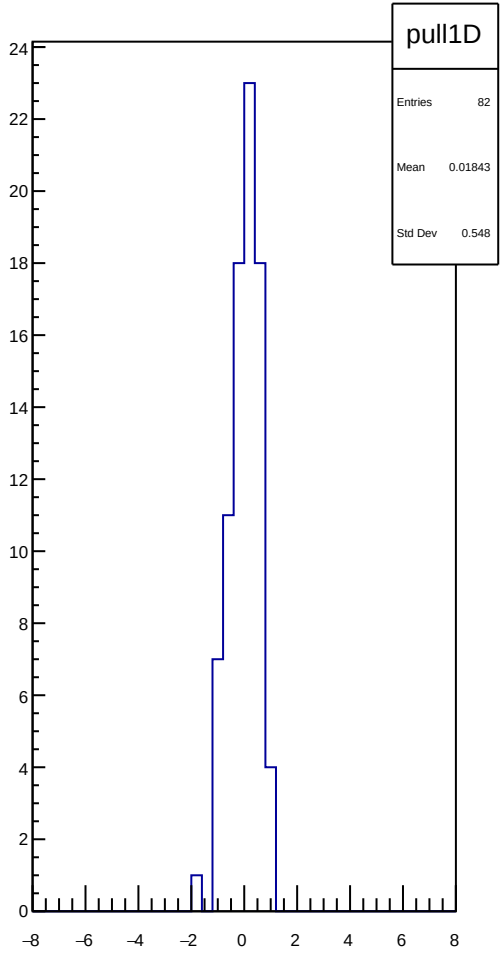

pull1D
Entries 82
Mean 0.005615
Std Dev 0.5877

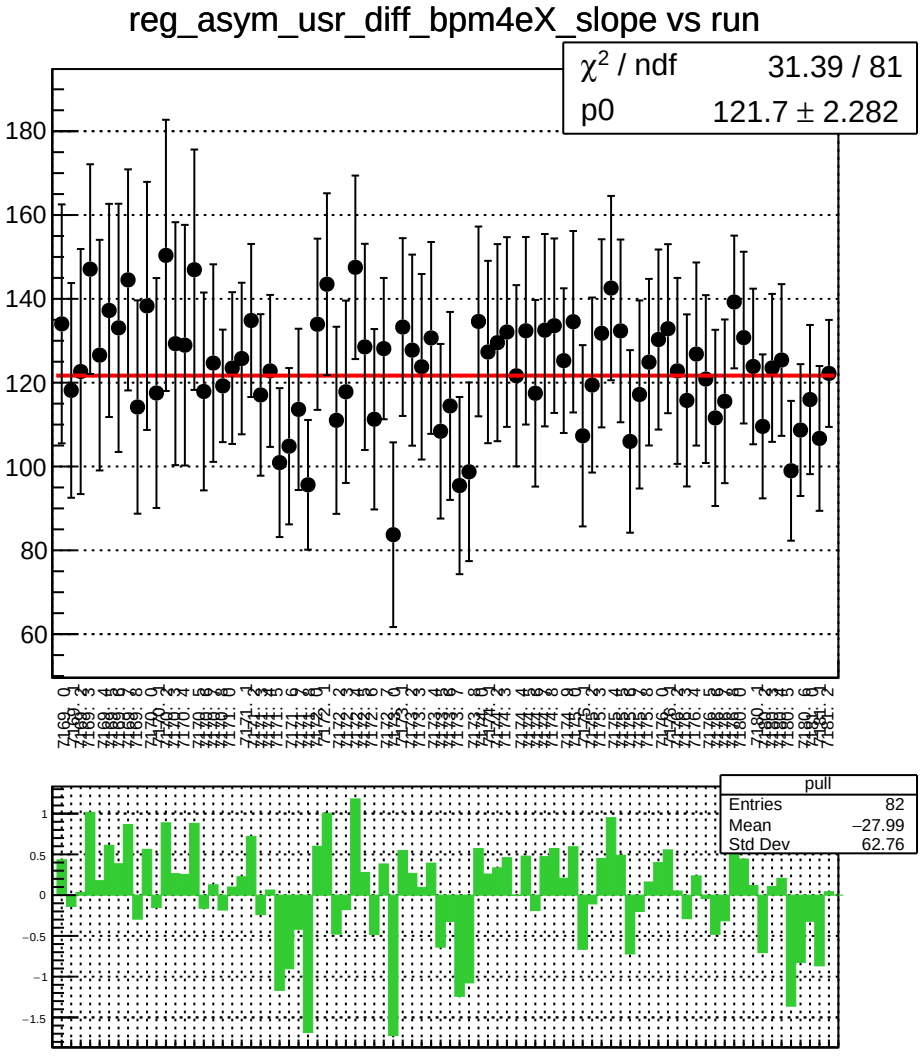

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 72.52 / 81
p0 −38.2 ± 0.08018
pull
Entries 82
Mean −111.4
Std Dev 147.8

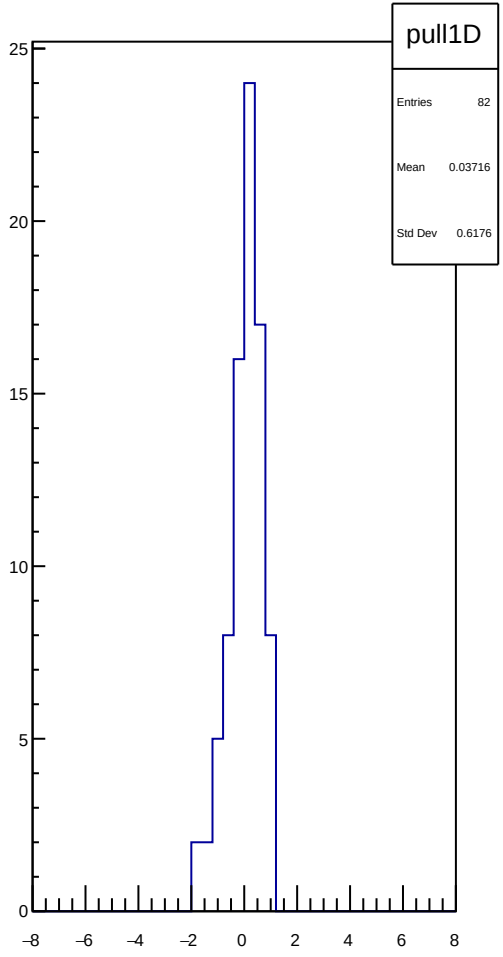

pull1D
Entries 82
Mean −0.06659
Std Dev 0.9381

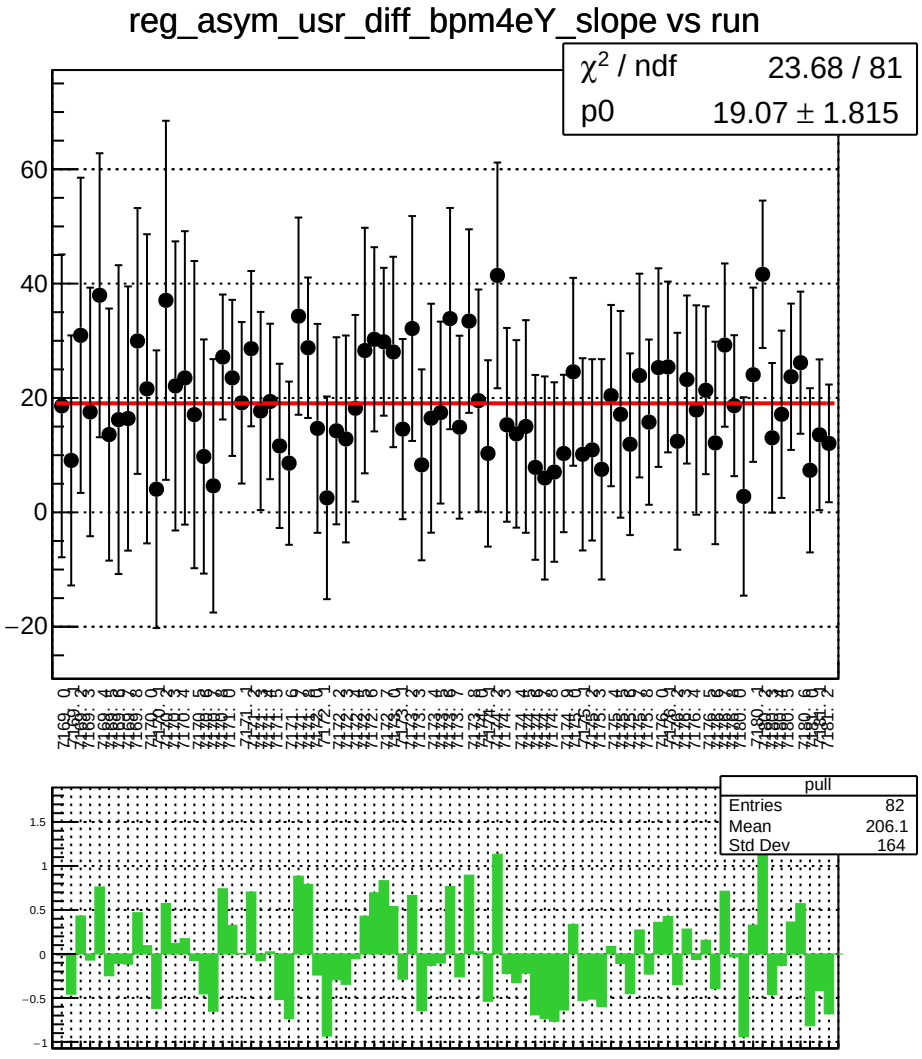

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 30.76 / 81
p0 −63.81 ± 2.284
pull
Entries 82
Mean −28.88
Std Dev 63.37
pull1D
Entries 82
Mean −0.03603
Std Dev 0.6114

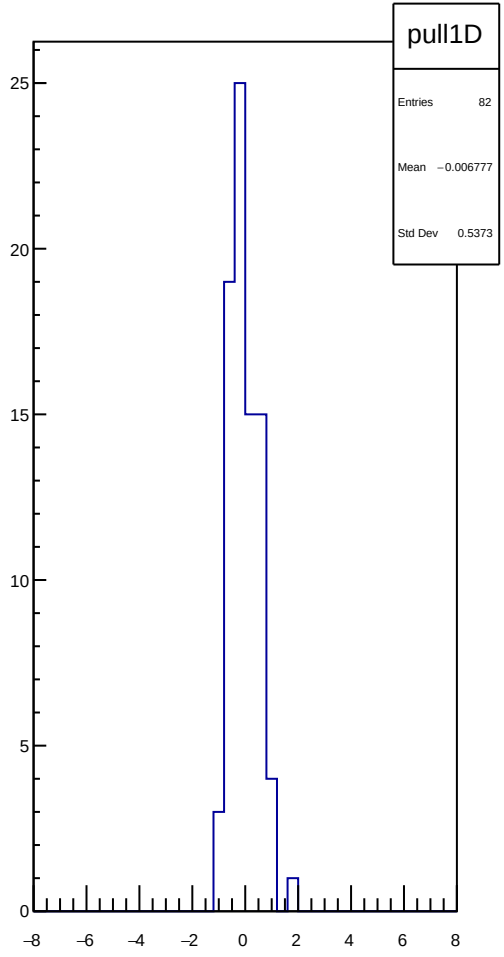

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 24.66 / 81
p0 −0.7338 ± 1.624
pull
Entries 82
Mean 52.31
Std Dev 4.413

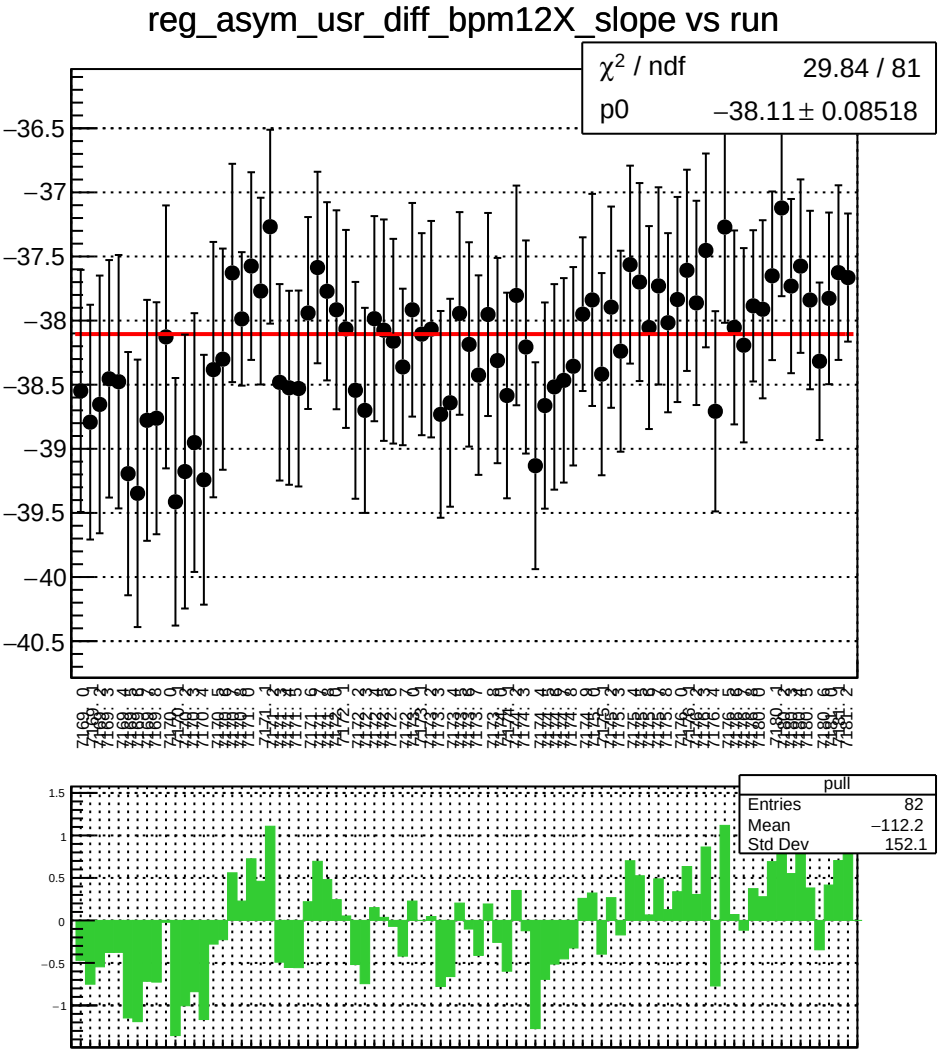

pull1D
Entries 82
Mean 0.01843
Std Dev 0.548

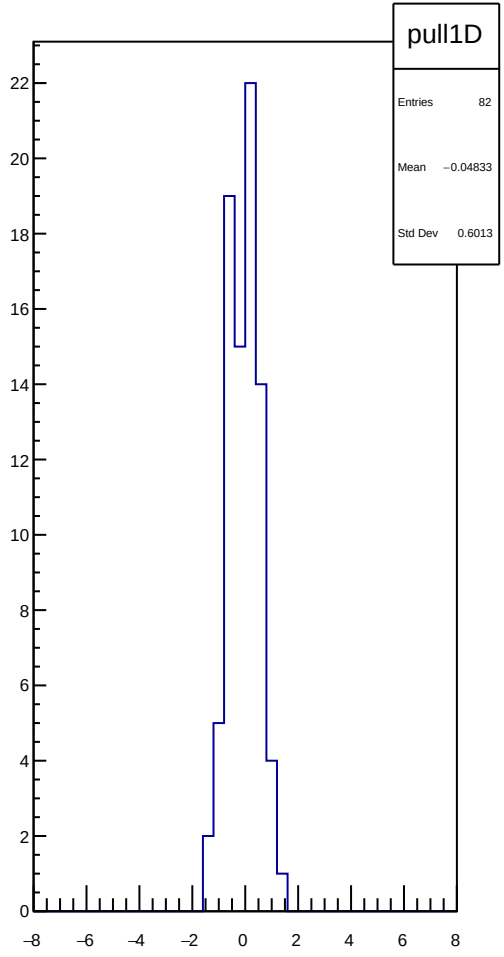

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 31.39 / 81
p0 121.7 ± 2.282
pull
Entries 82
Mean −27.99
Std Dev 62.76


pull1D
Entries 82
Mean 0.03716
Std Dev 0.6176

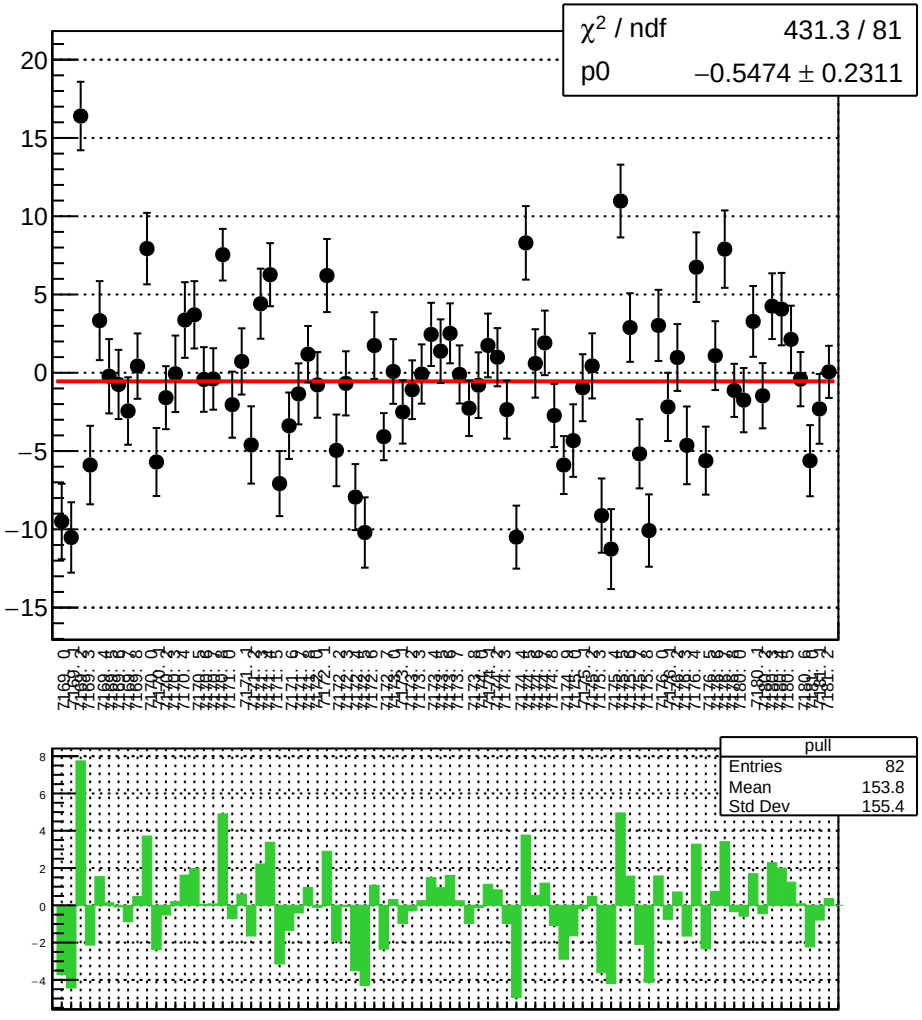

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 23.68 / 81
p0 19.07 ± 1.815
pull
Entries 82
Mean 206.1
Std Dev 164

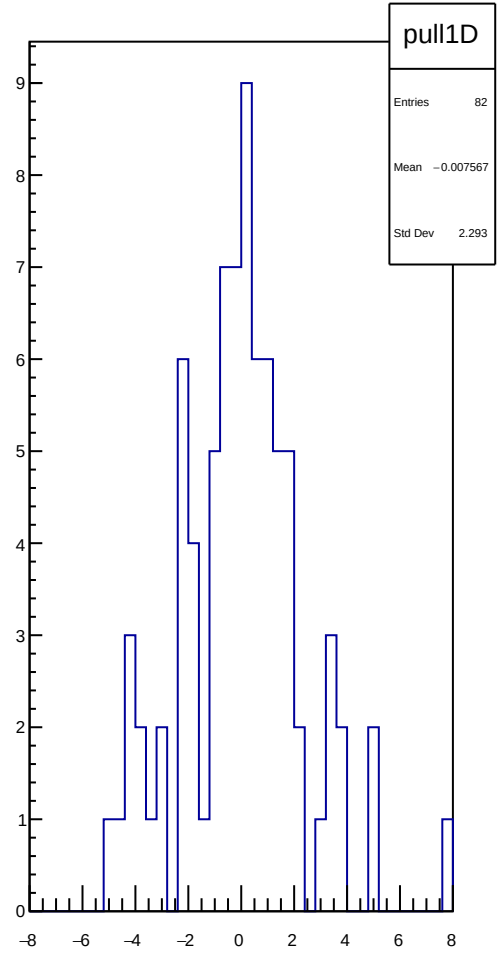

pull1D
Entries 82
Mean −0.006777
Std Dev 0.5373

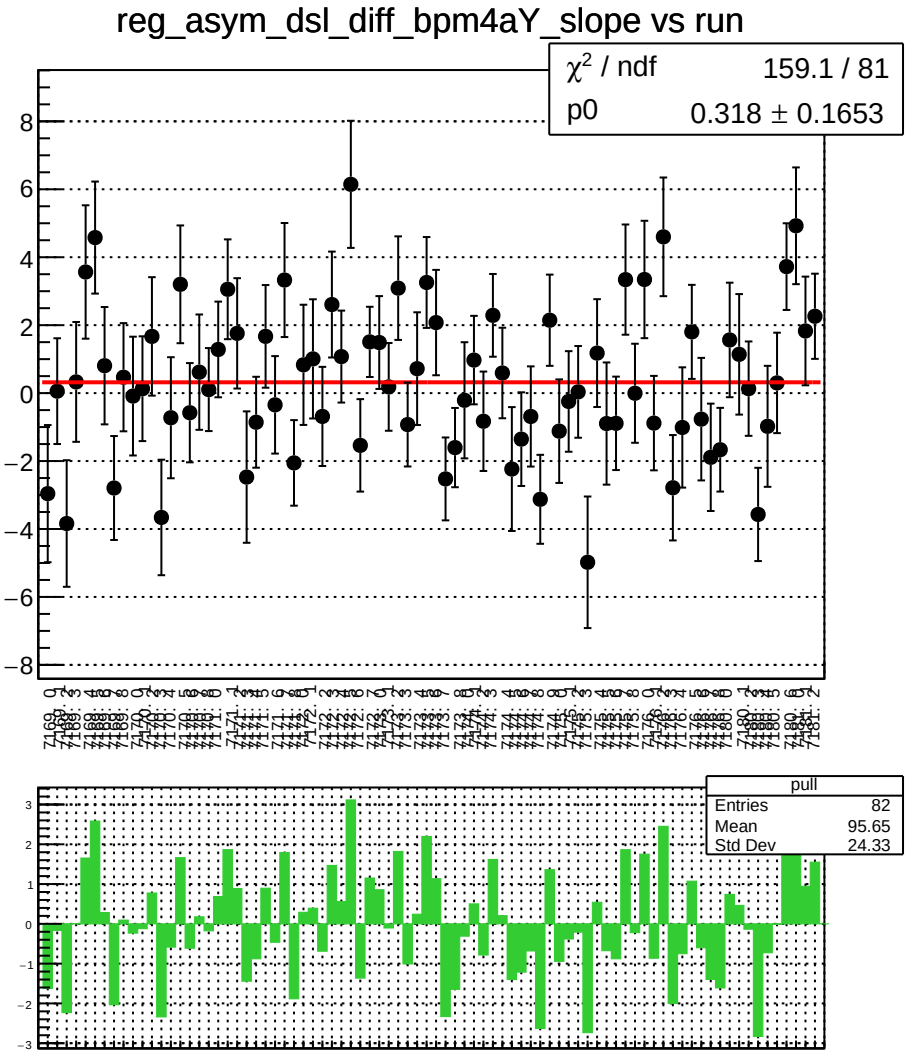

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 29.84 / 81
p0 −38.11 ± 0.08518
pull
Entries 82
Mean −112.2
Std Dev 152.1

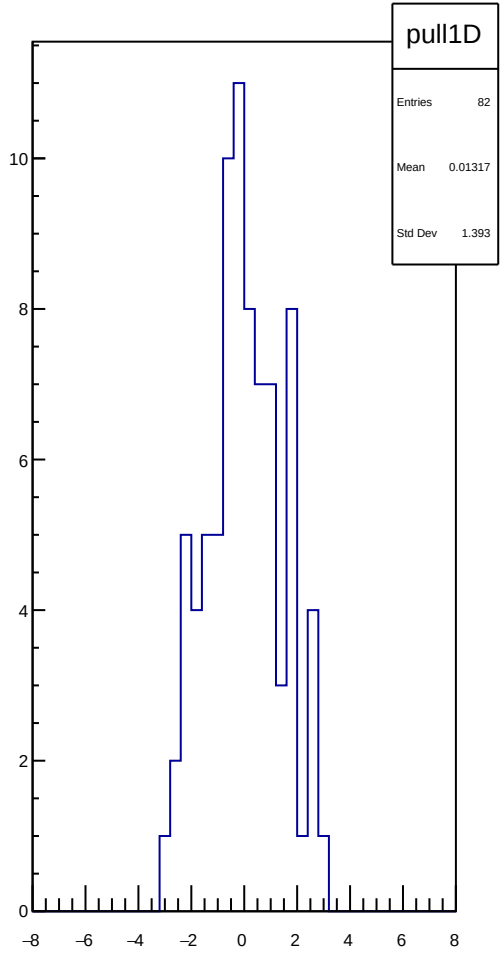

pull1D
Entries 82
Mean −0.04833
Std Dev 0.6013

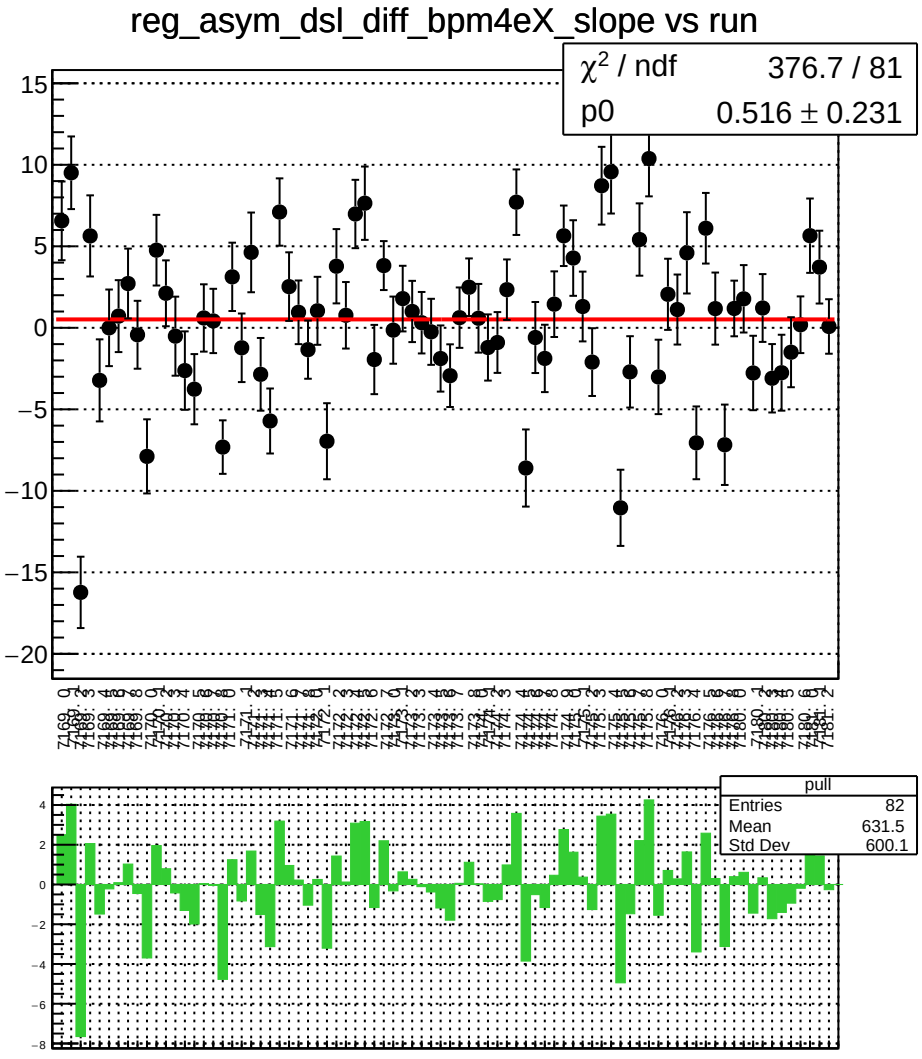
reg_asym_dsl_diff_bpm1X_slope vs run

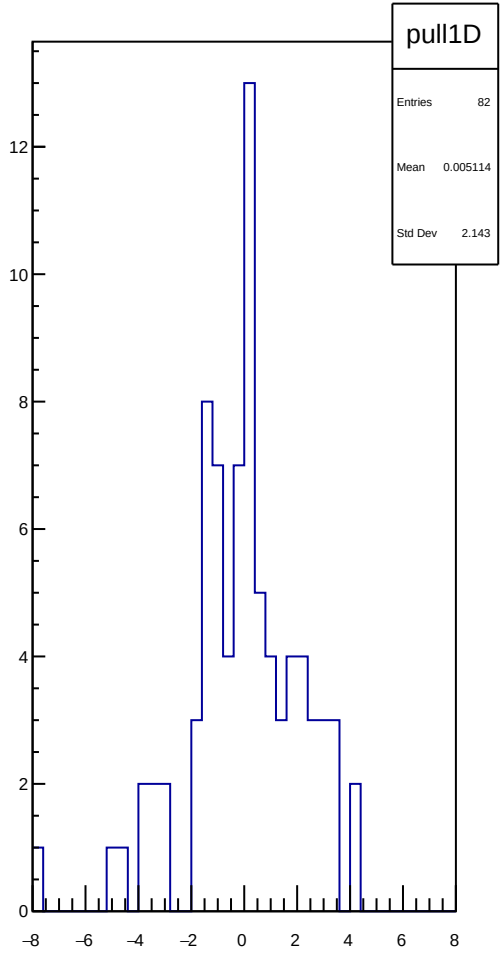


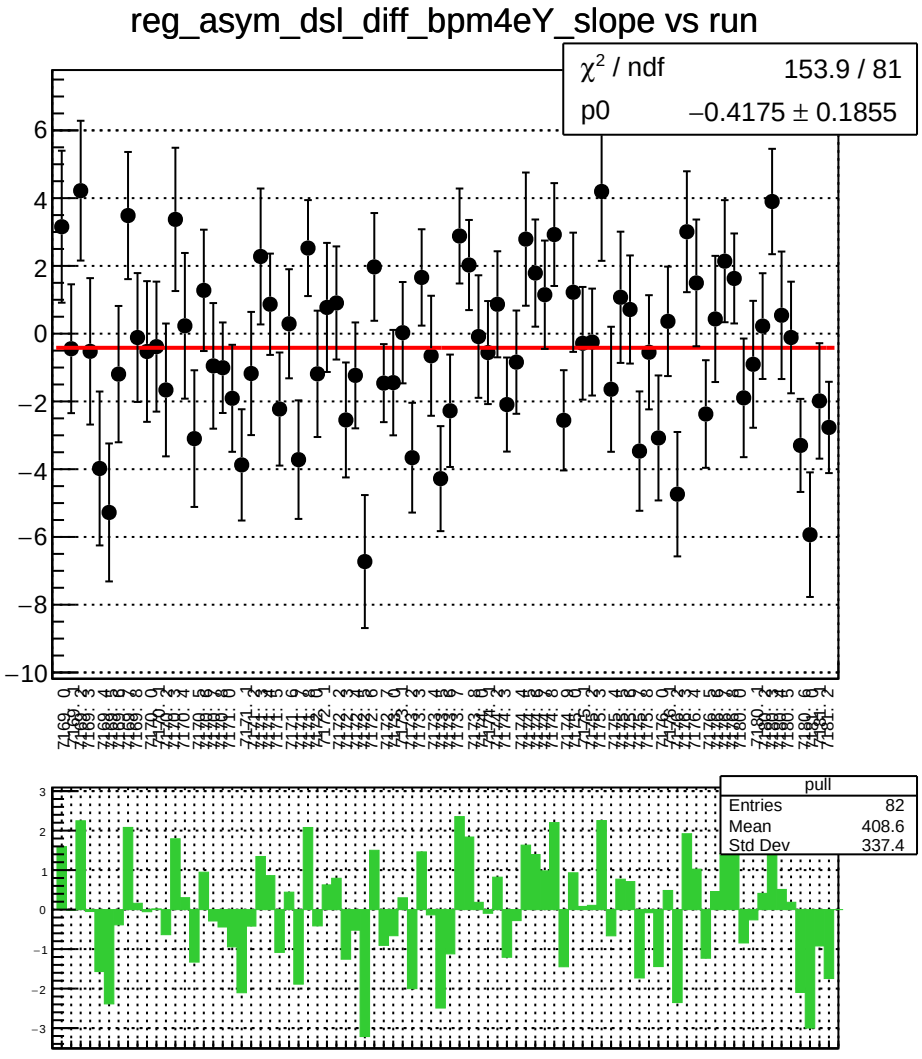


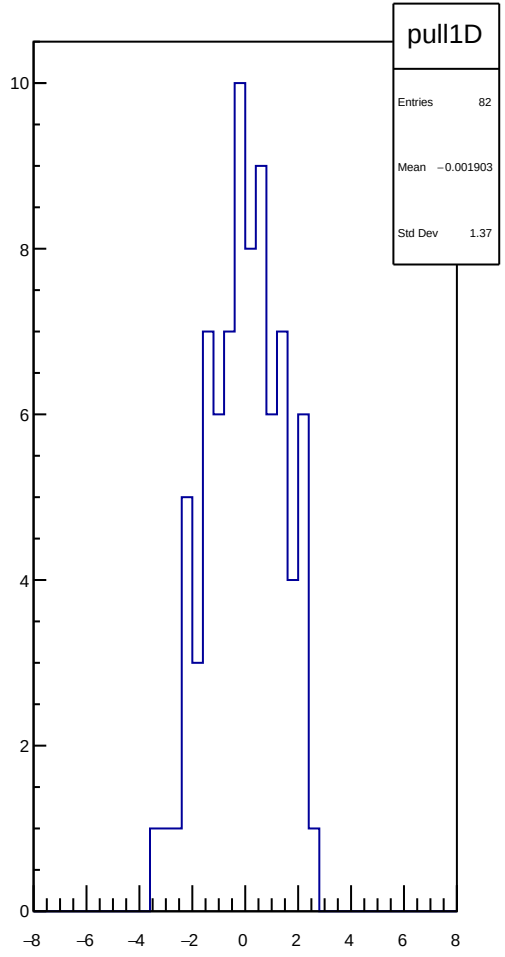

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 159.1 / 81
p0 0.318 ± 0.1653
pull
Entries 82
Mean 95.65
Std Dev 24.33

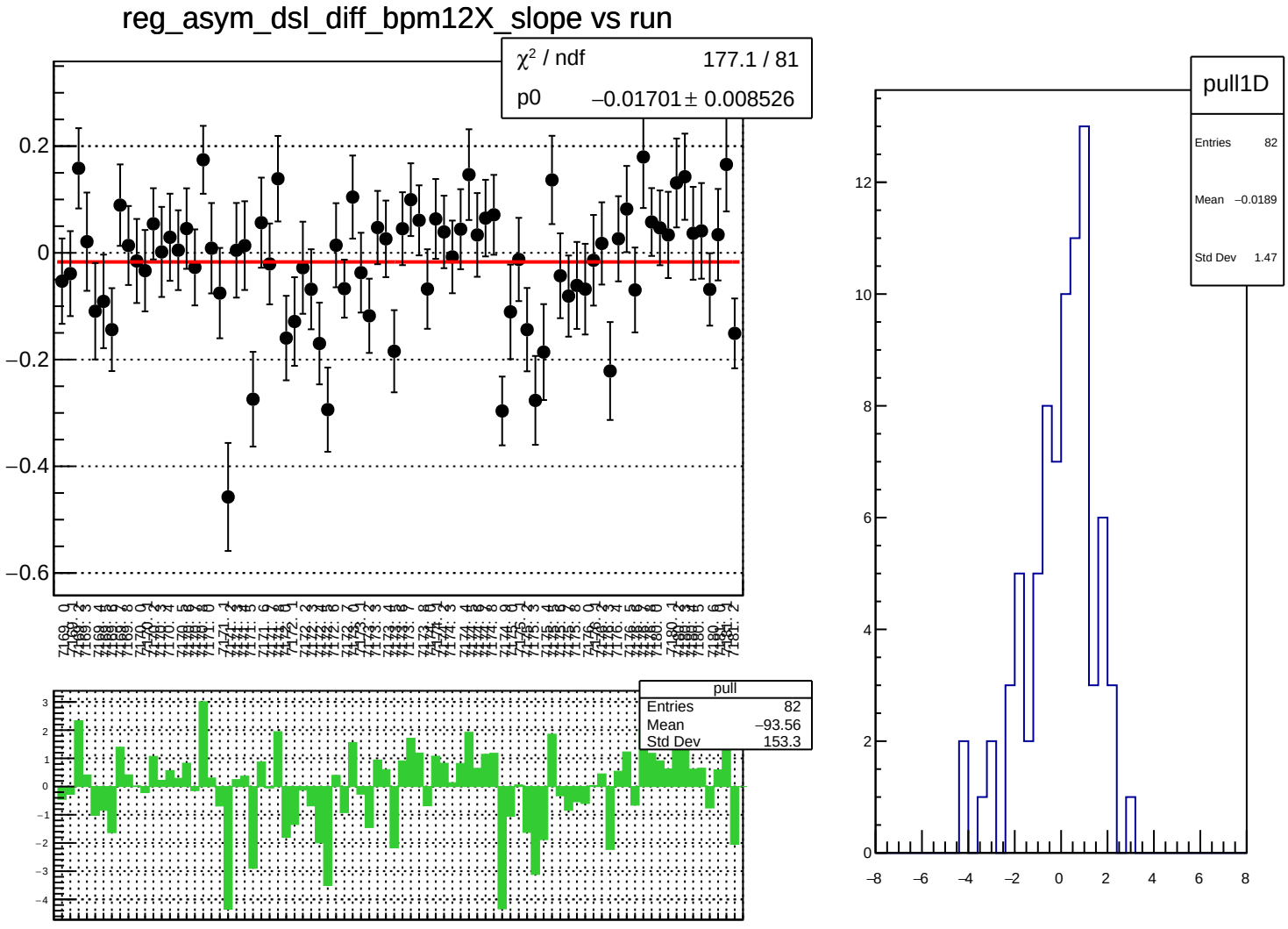

pull1D
Entries 82
Mean 0.01317
Std Dev 1.393


reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 376.7 / 81
p0 0.516 ± 0.231
pull
Entries 82
Mean 631.5
Std Dev 600.1

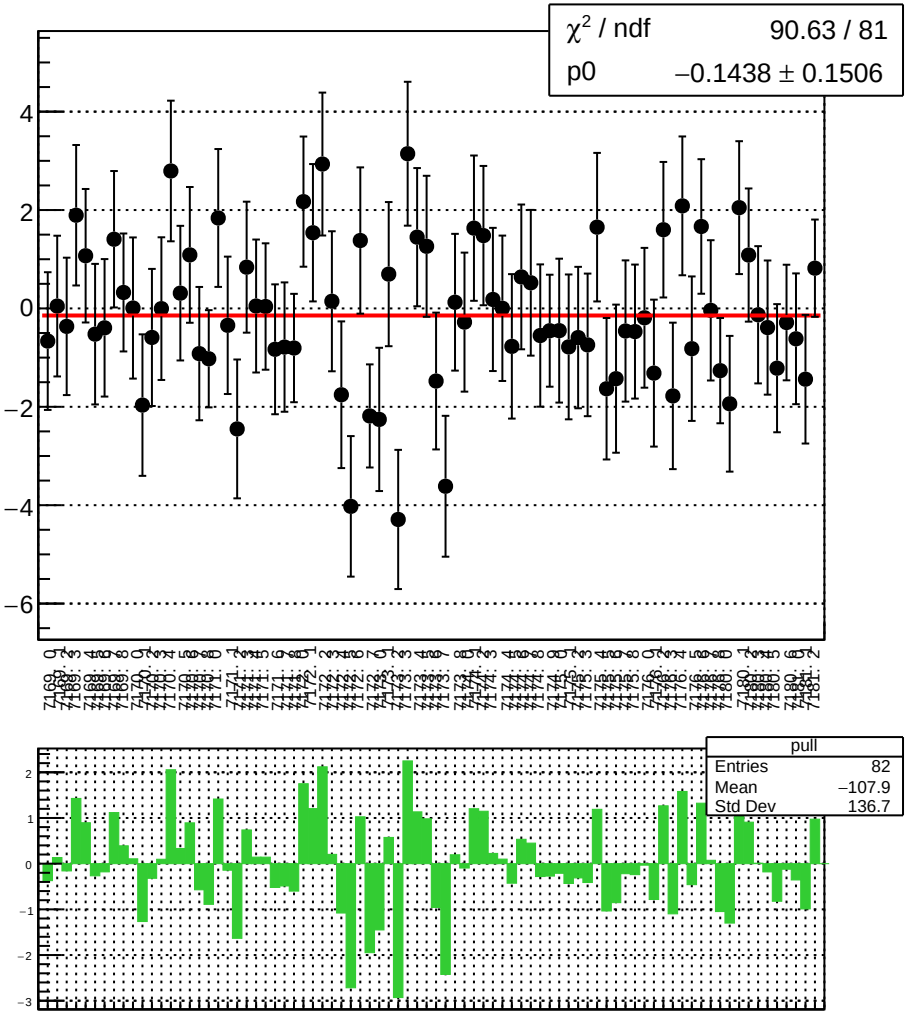

pull1D
Entries 82
Mean 0.005114
Std Dev 2.143

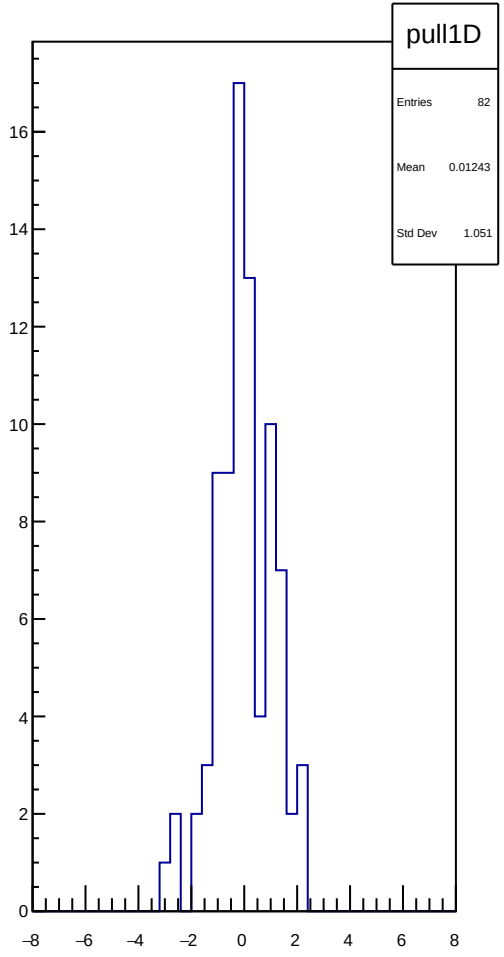

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 153.9 / 81
p0 −0.4175 ± 0.1855
pull
Entries 82
Mean 408.6
Std Dev 337.4


pull1D
Entries 82
Mean −0.001903
Std Dev 1.37

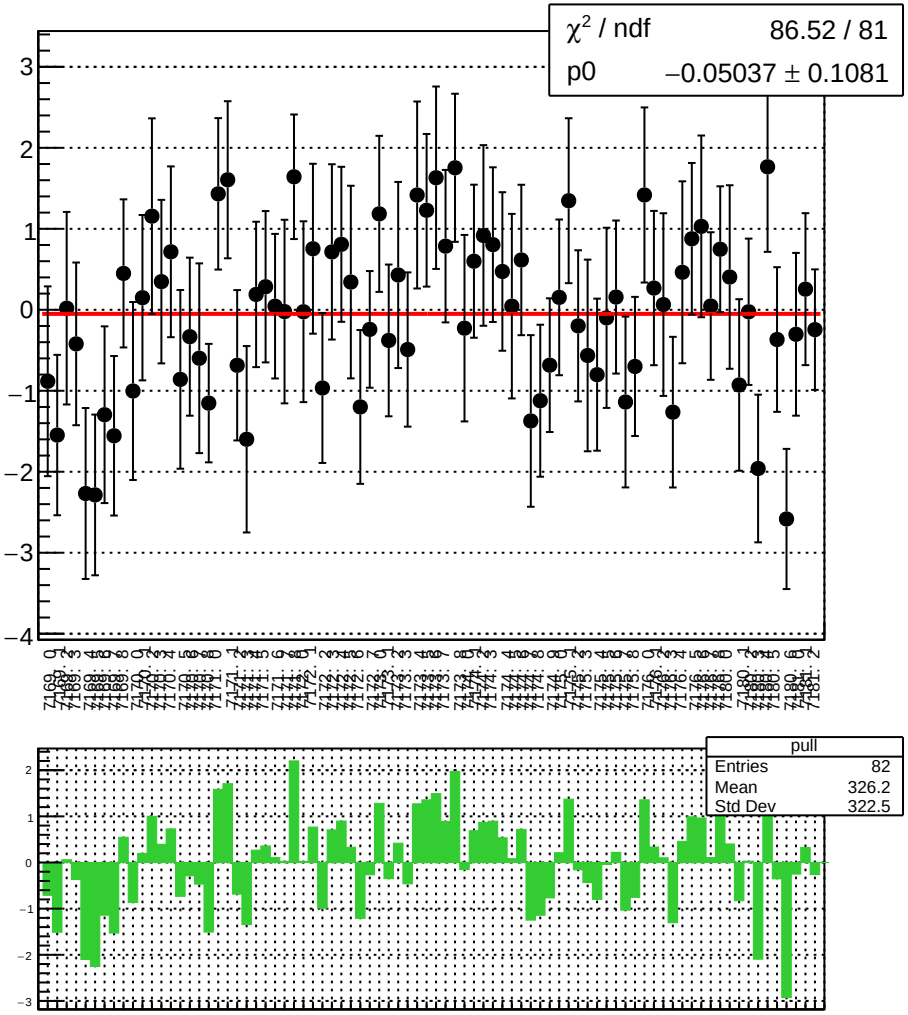

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 177.1 / 81
p0 −0.01701 ± 0.008526
pull
Entries 82
Mean −93.56
Std Dev 153.3
pull1D
Entries 82
Mean −0.0189
Std Dev 1.47

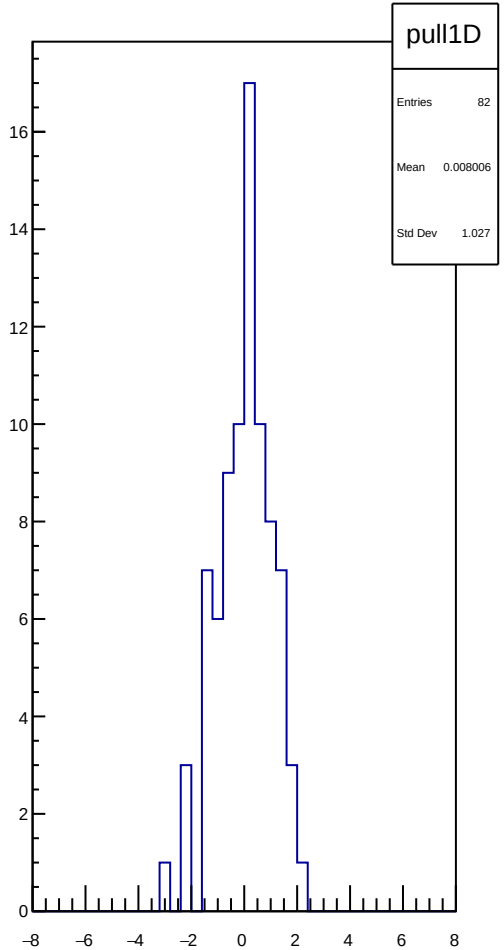
reg_asym_dsr_diff_bpm1X_slope vs run

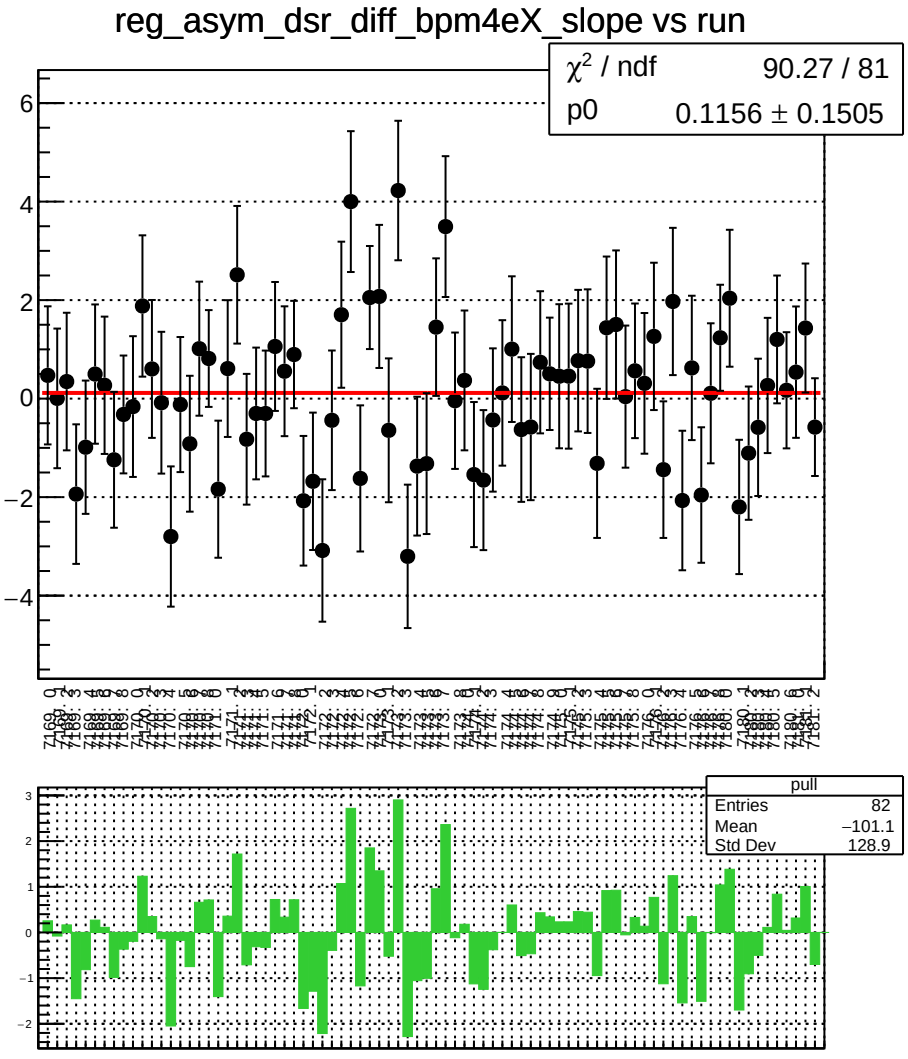


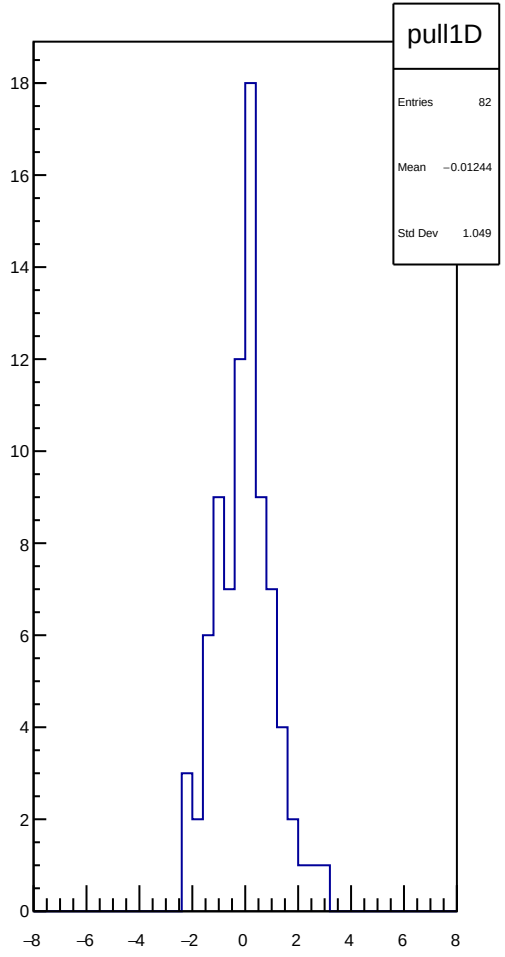


reg_asym_dsr_diff_bpm4aY_slope vs run

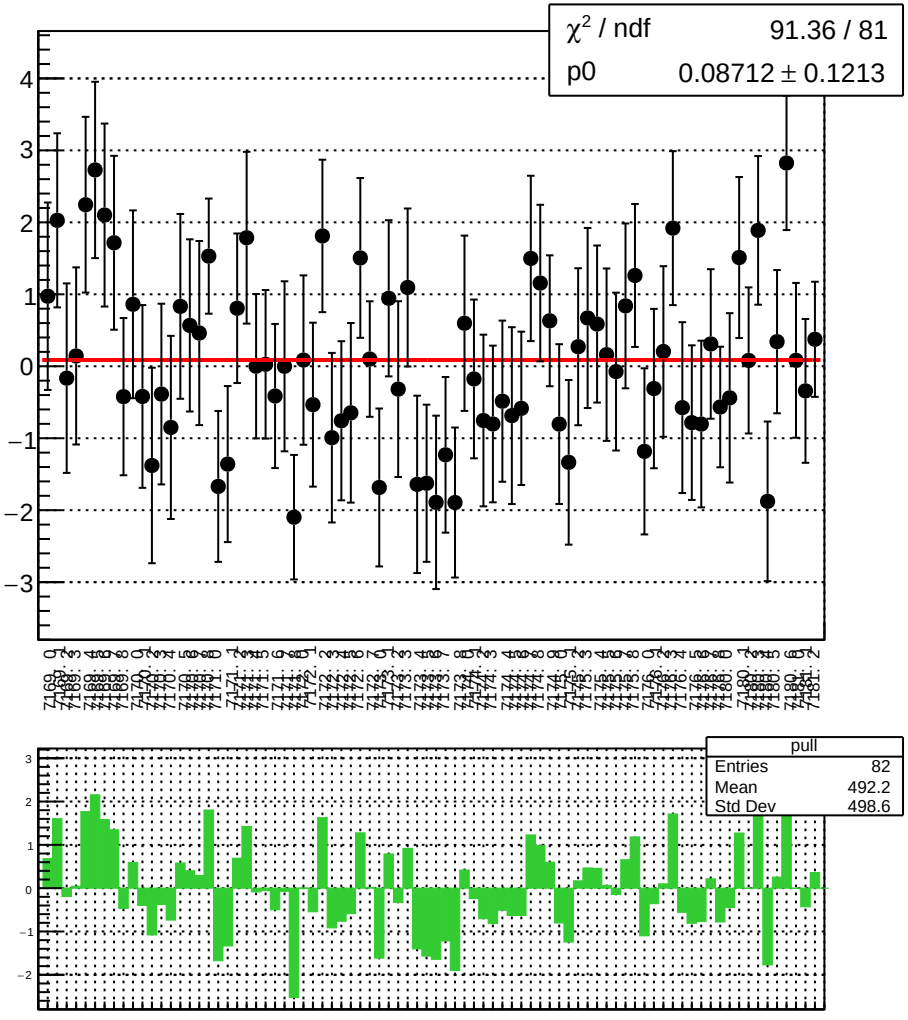


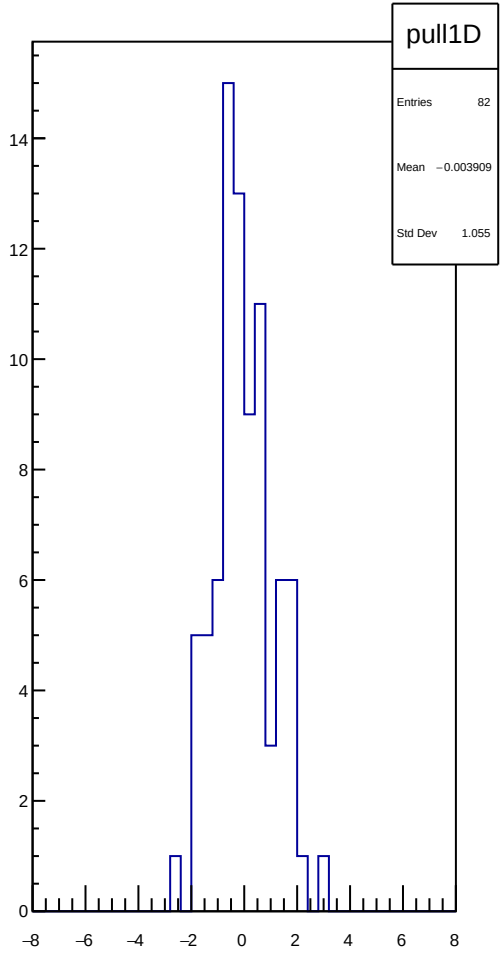


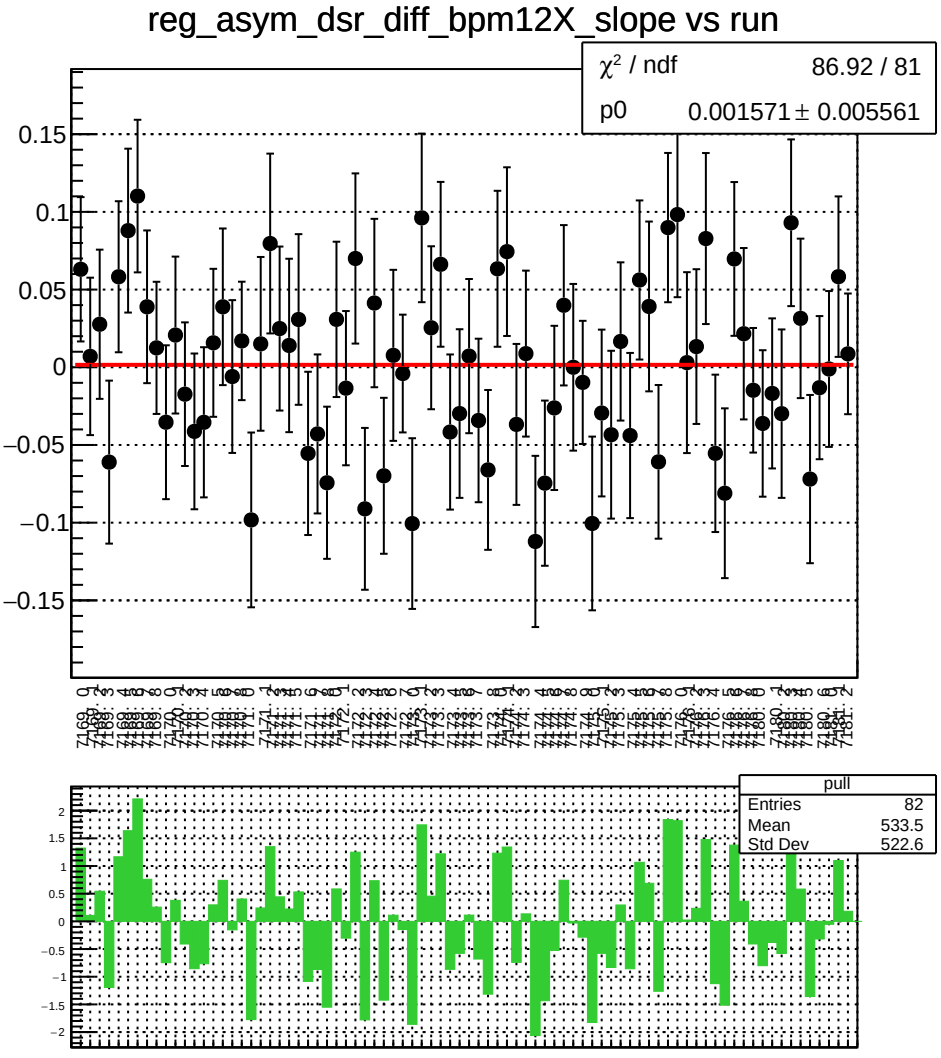

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 90.27 / 81
p0 0.1156 ± 0.1505
pull
Entries 82
Mean −101.1
Std Dev 128.9

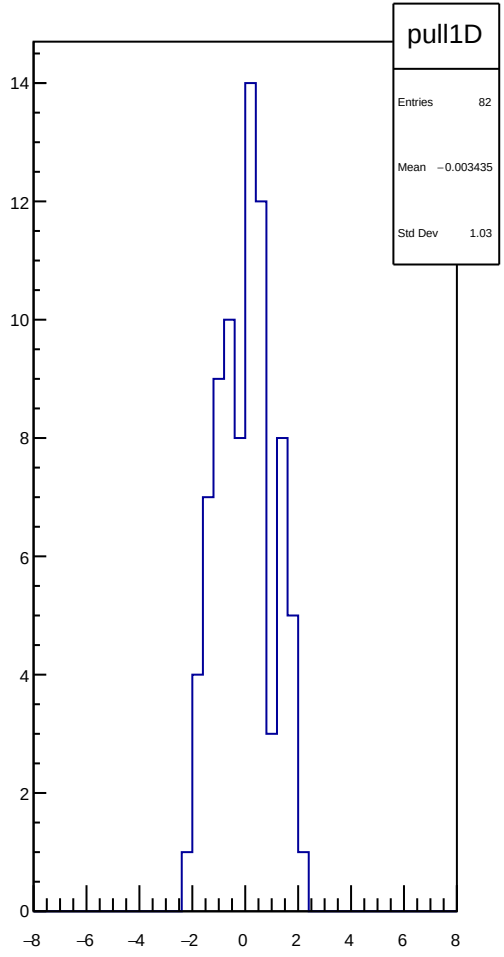

pull1D
Entries 82
Mean −0.01244
Std Dev 1.049

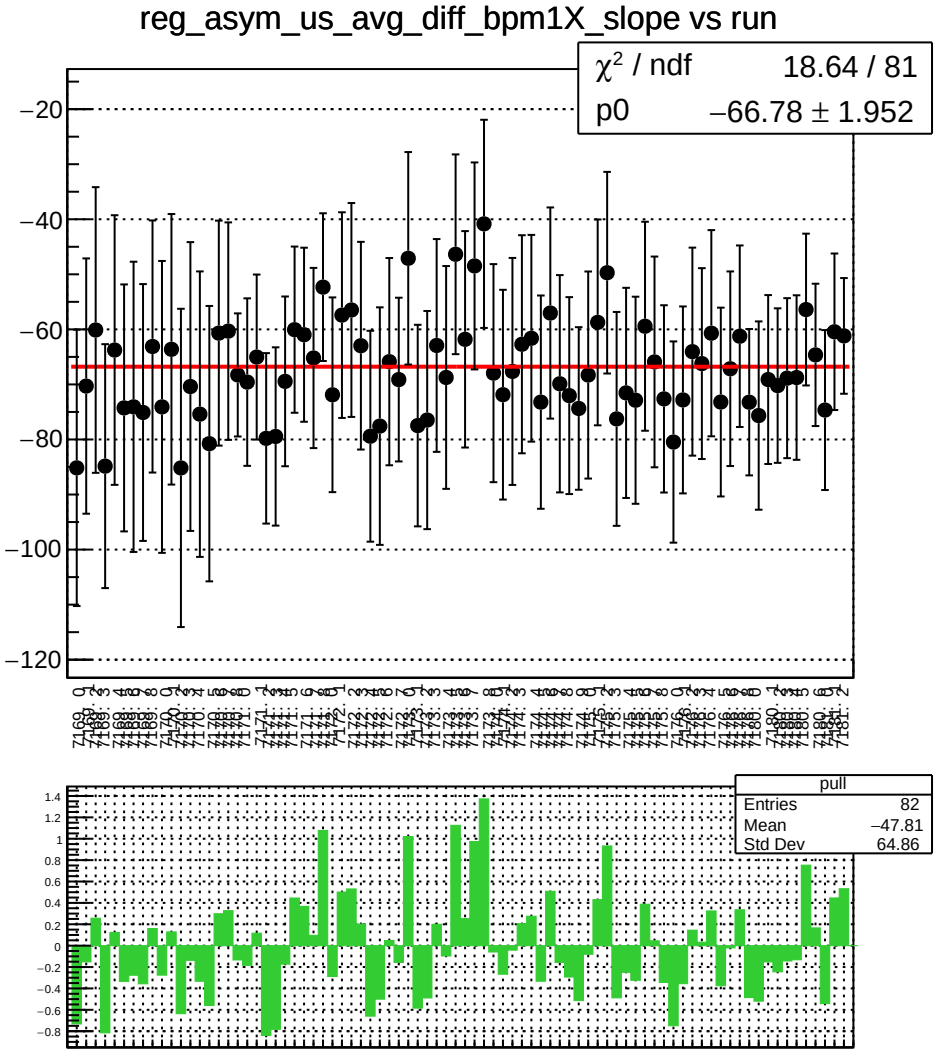
reg_asym_dsr_diff_bpm4eY_slope vs run

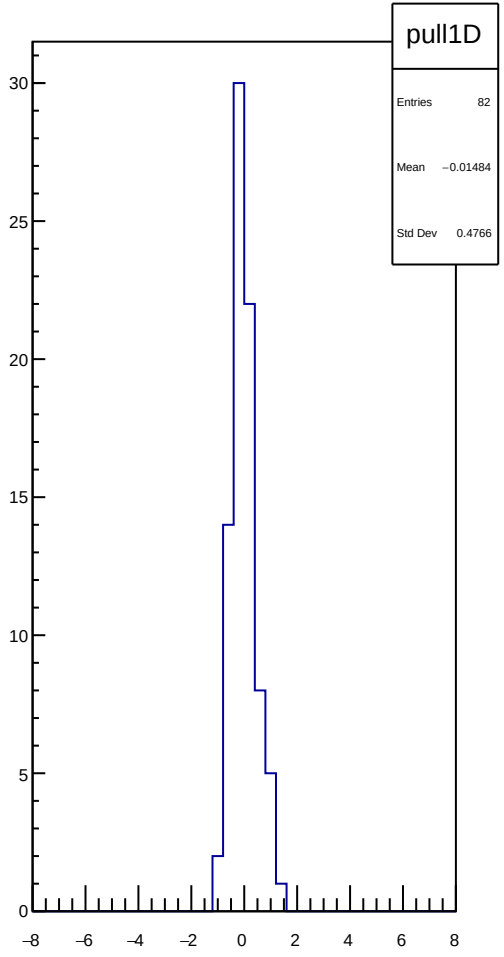


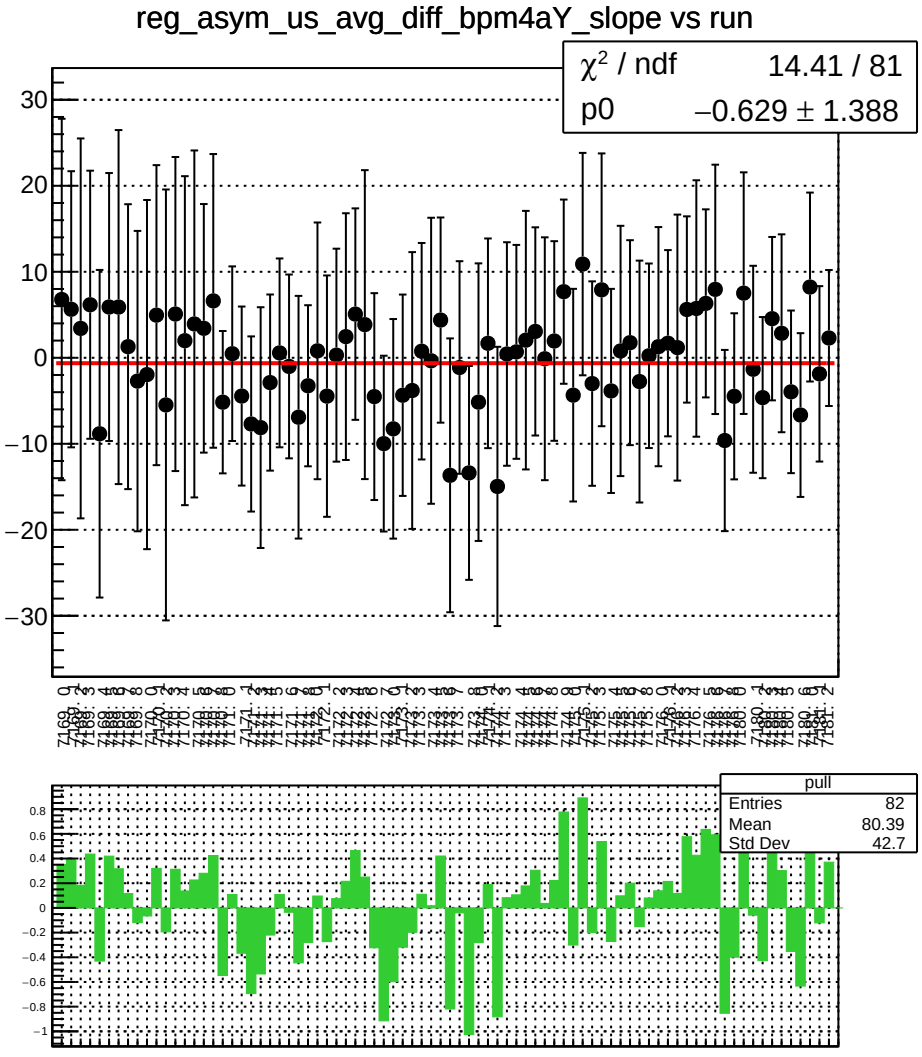


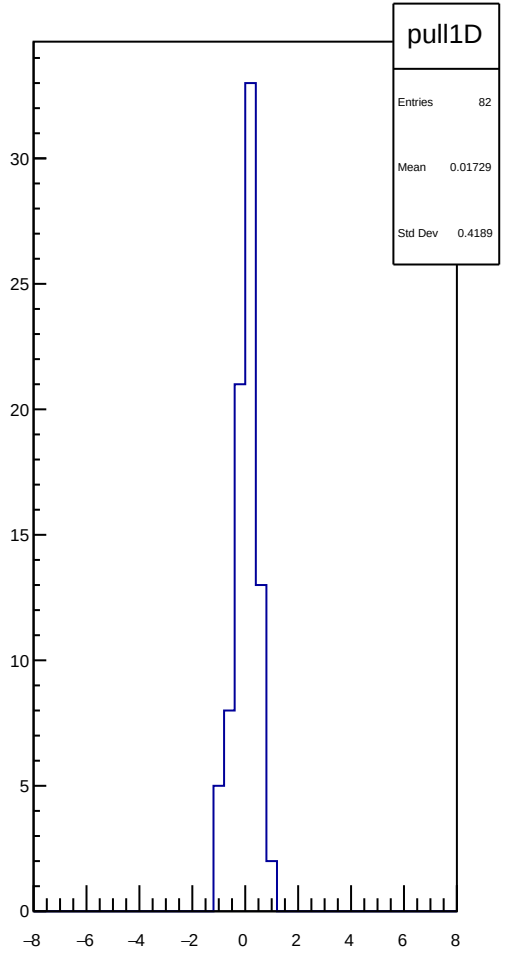

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 86.92 / 81
p0 0.001571 ± 0.005561
pull
Entries 82
Mean 533.5
Std Dev 522.6

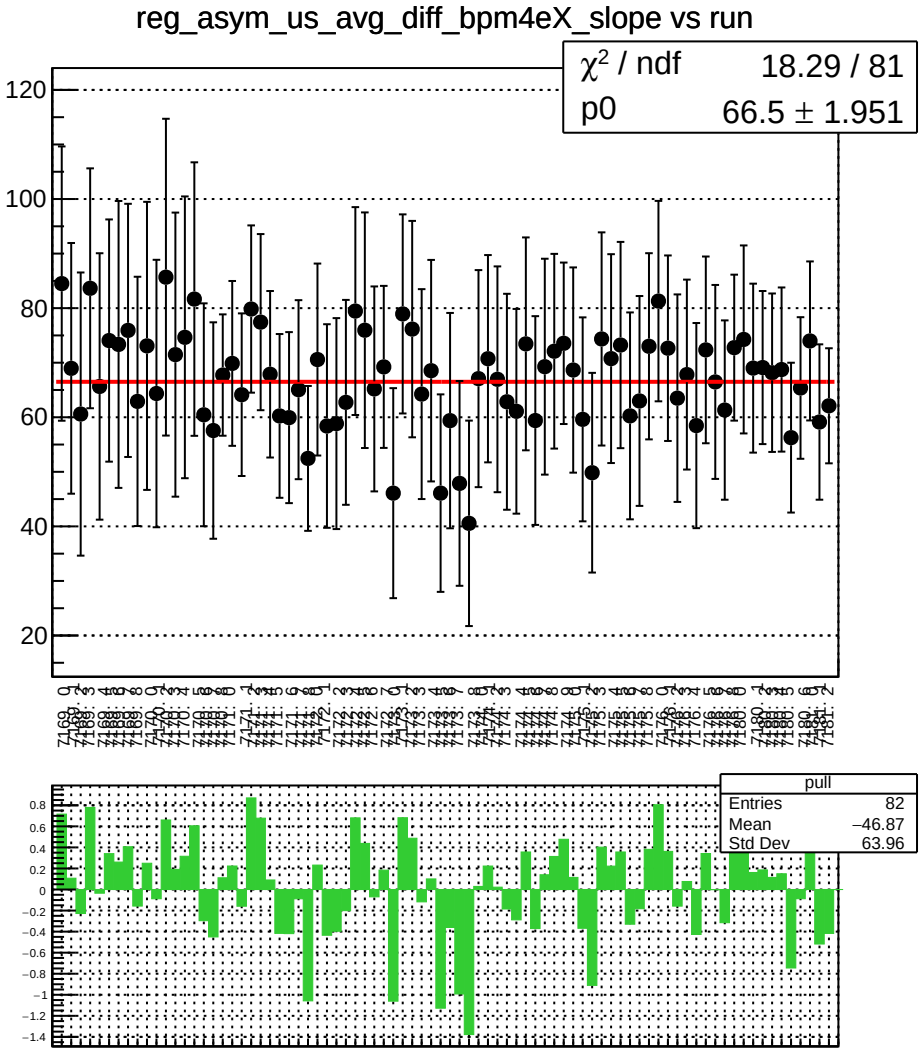

pull1D
Entries 82
Mean −0.003435
Std Dev 1.03

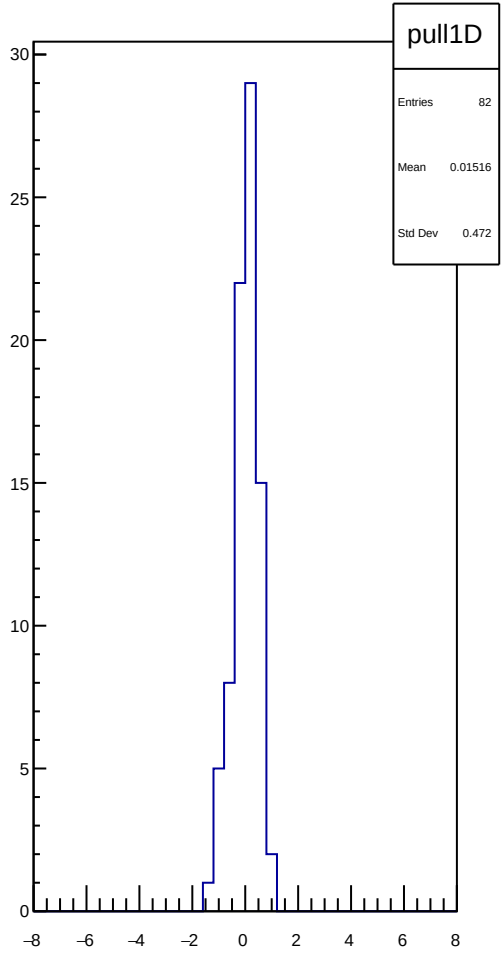

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 18.64 / 81
p0 −66.78 ± 1.952
pull
Entries 82
Mean −47.81
Std Dev 64.86

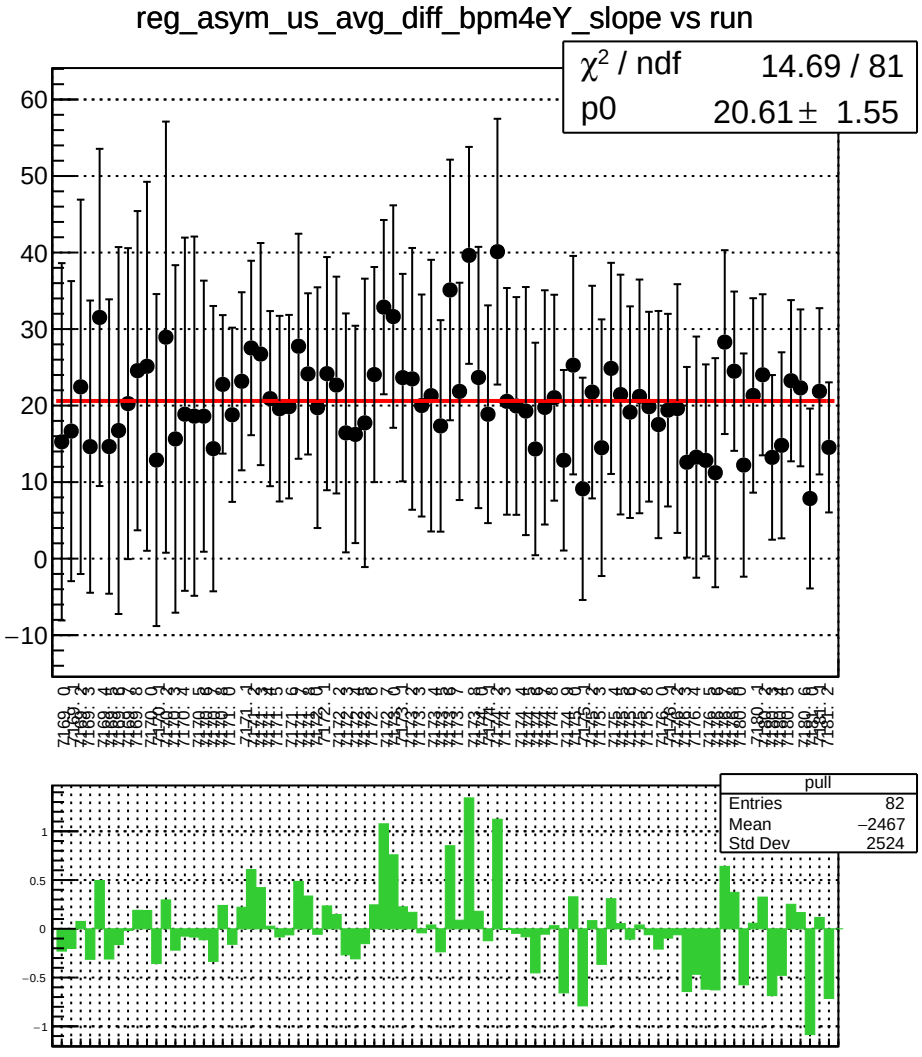

pull1D
Entries 82
Mean −0.01484
Std Dev 0.4766

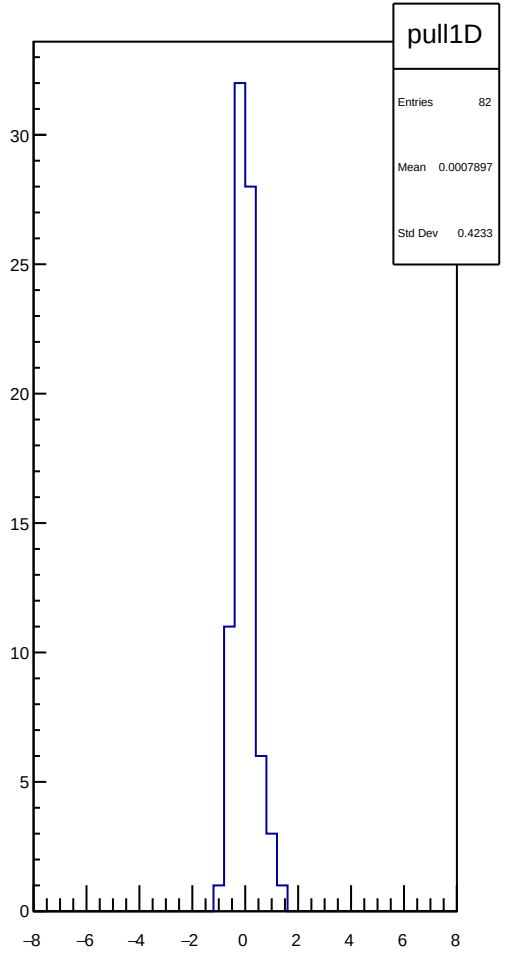

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.41 / 81
p0 −0.629 ± 1.388
pull
Entries 82
Mean 80.39
Std Dev 42.7

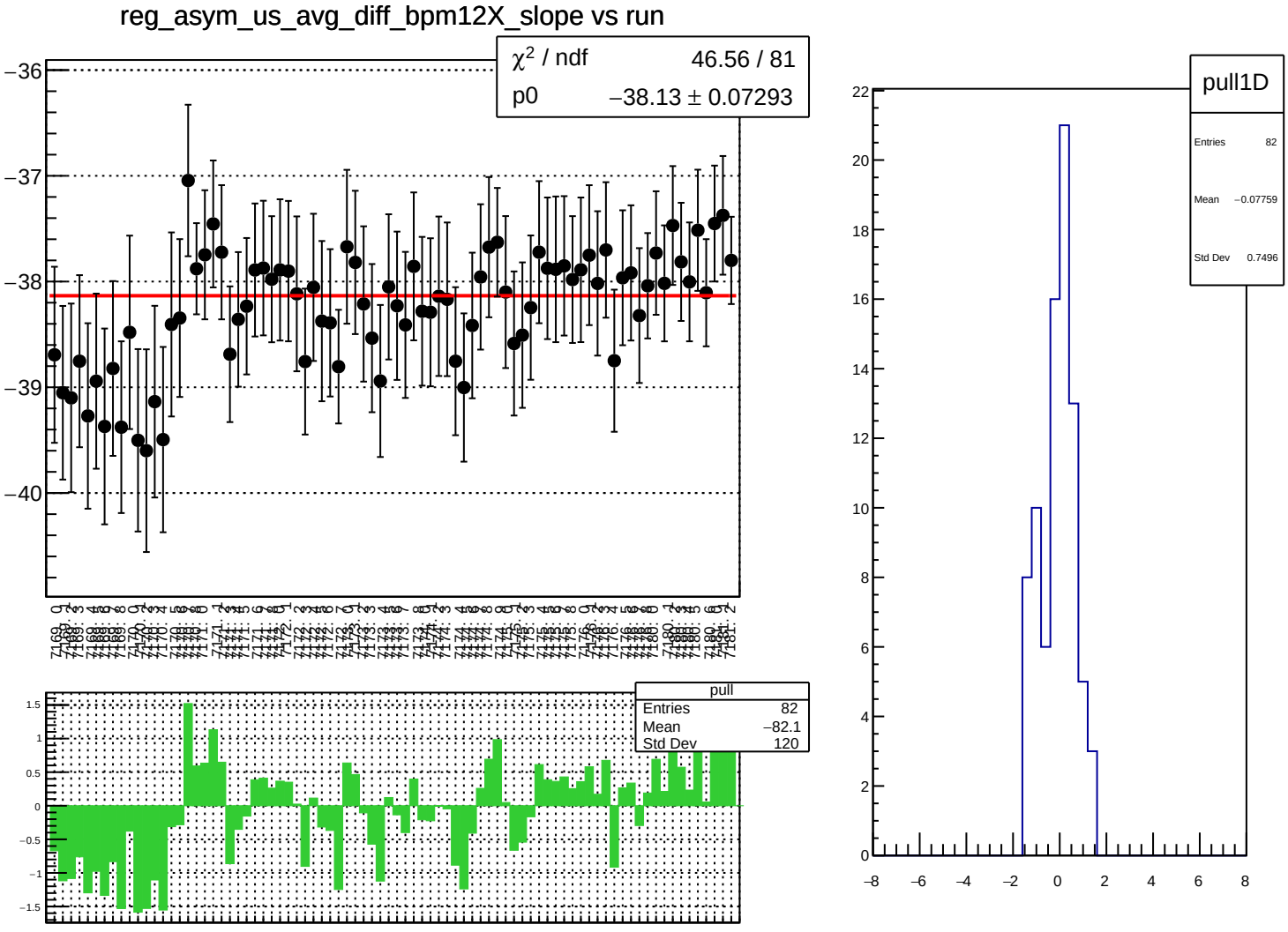

pull1D
Entries 82
Mean 0.01729
Std Dev 0.4189

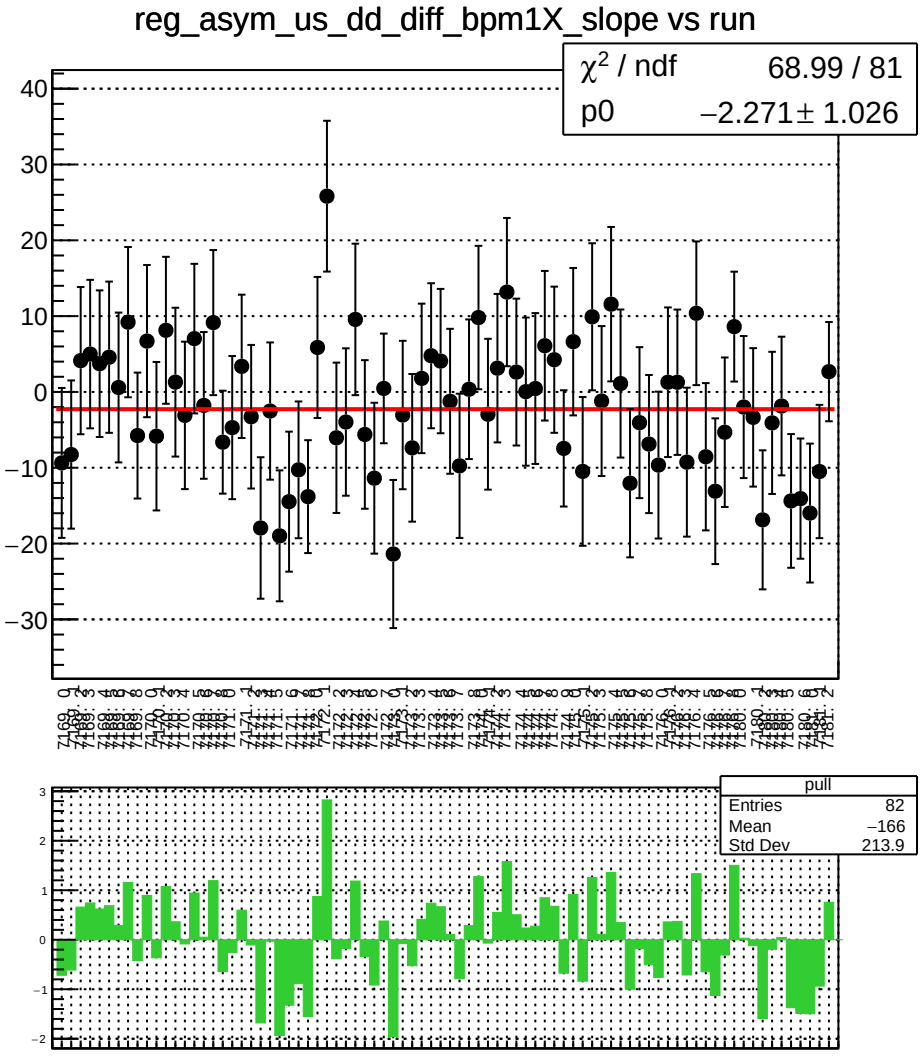

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.29 / 81
p0 66.5 ± 1.951
pull
Entries 82
Mean −46.87
Std Dev 63.96

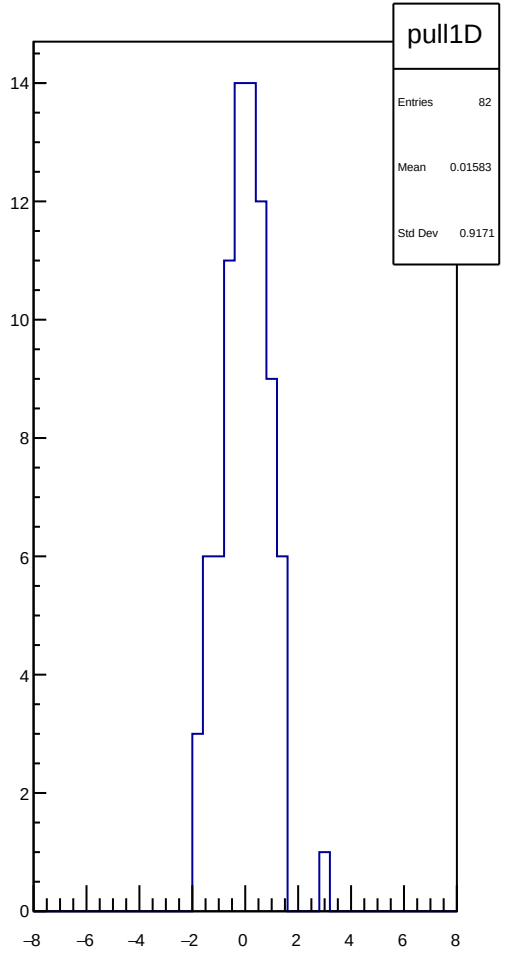

pull1D
Entries 82
Mean 0.01516
Std Dev 0.472

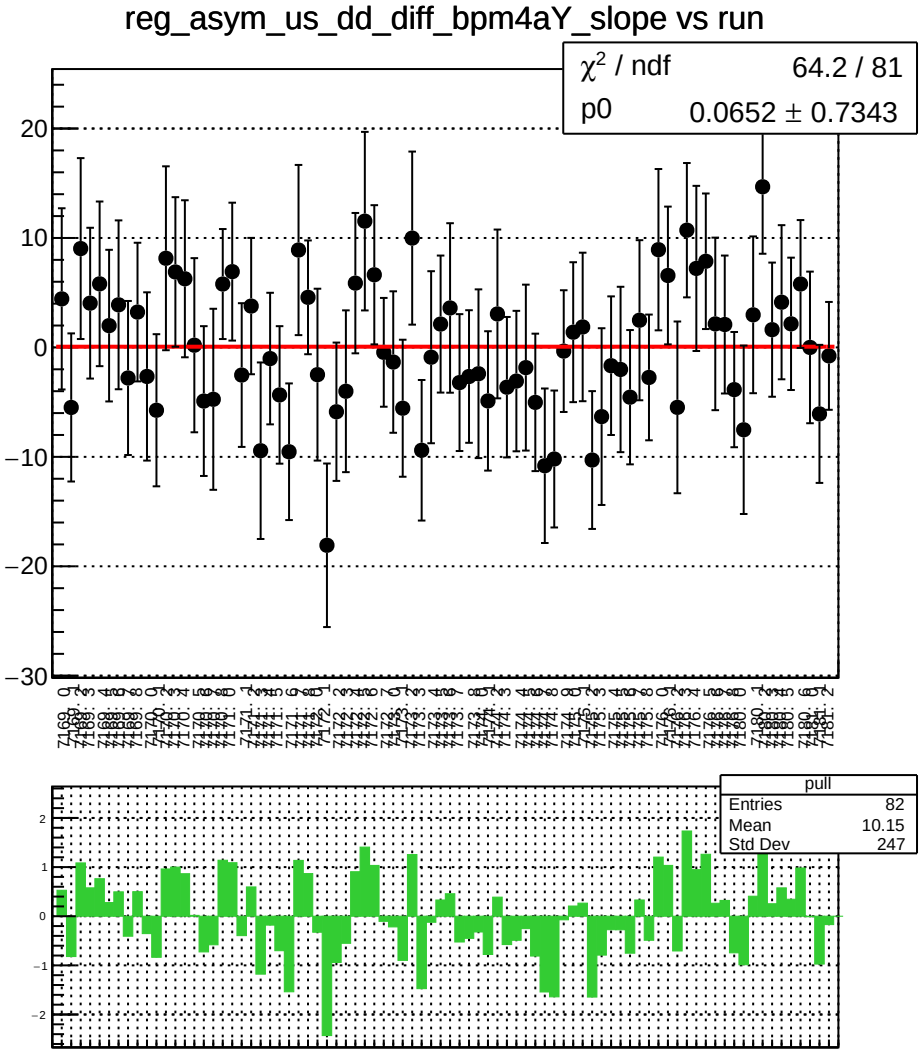

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.69 / 81
p0 20.61 ± 1.55
pull
Entries 82
Mean −2467
Std Dev 2524

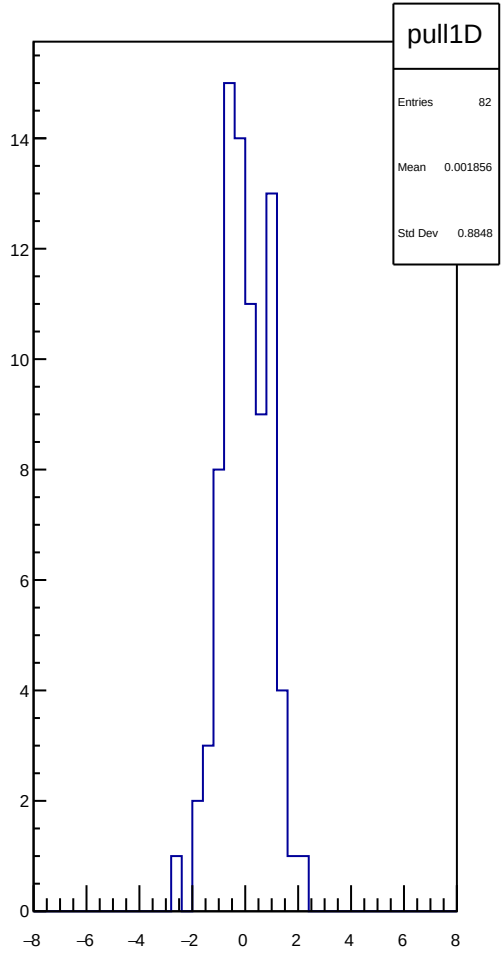

pull1D
Entries 82
Mean 0.0007897
Std Dev 0.4233

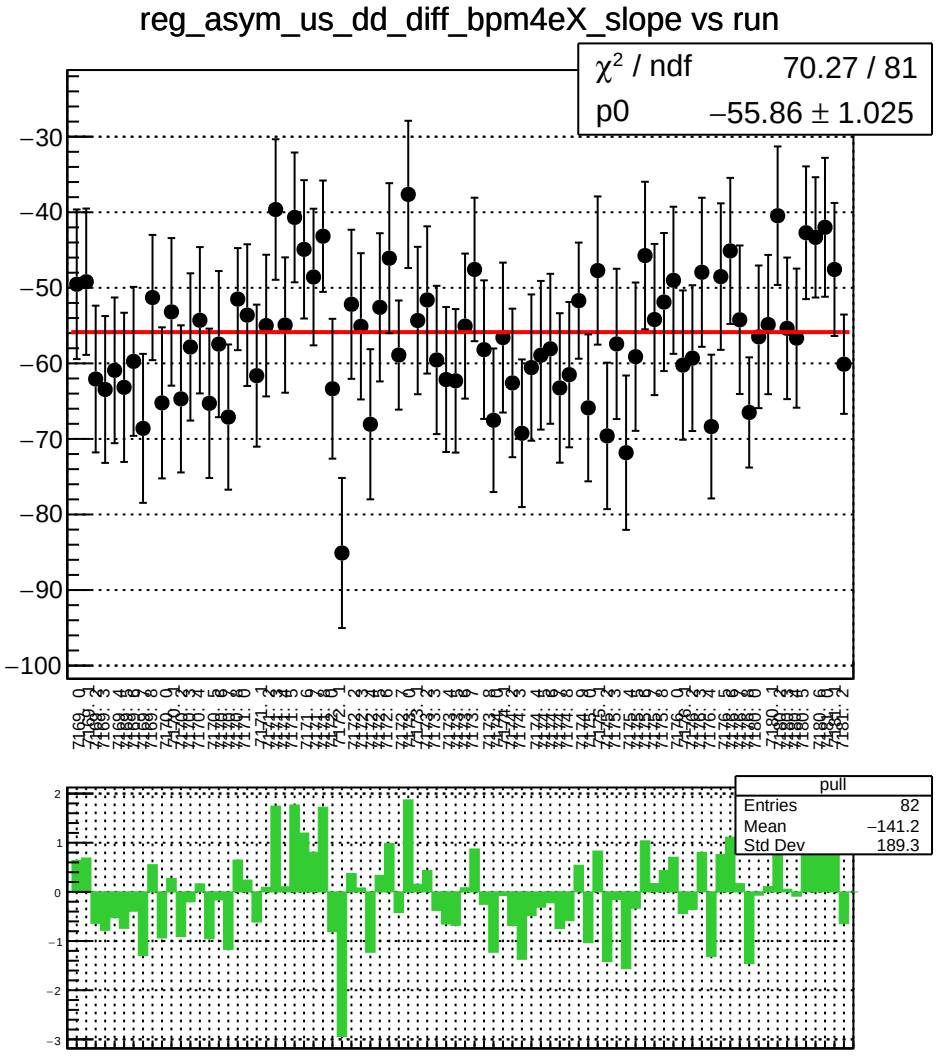

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 46.56 / 81
p0 −38.13 ± 0.07293
pull
Entries 82
Mean −82.1
Std Dev 120
pull1D
Entries 82
Mean −0.07759
Std Dev 0.7496

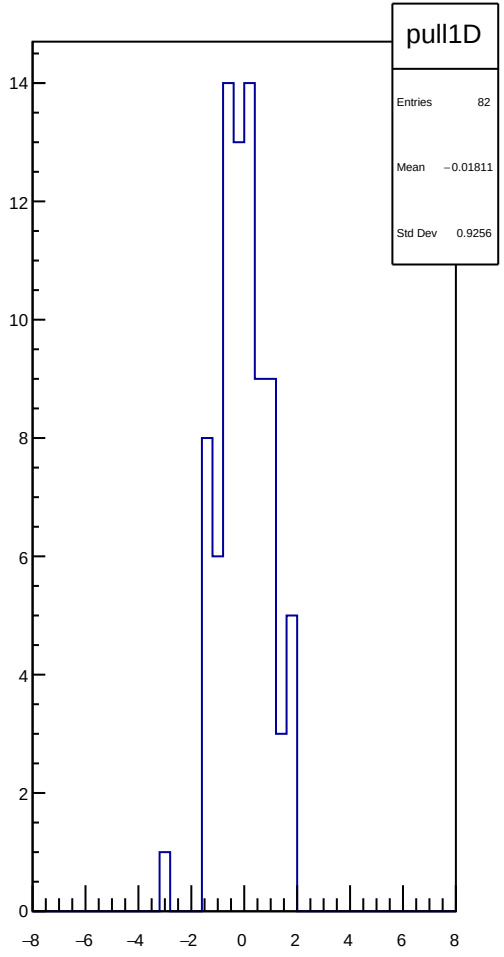

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 68.99 / 81
p0 −2.271 ± 1.026
pull
Entries 82
Mean −166
Std Dev 213.9

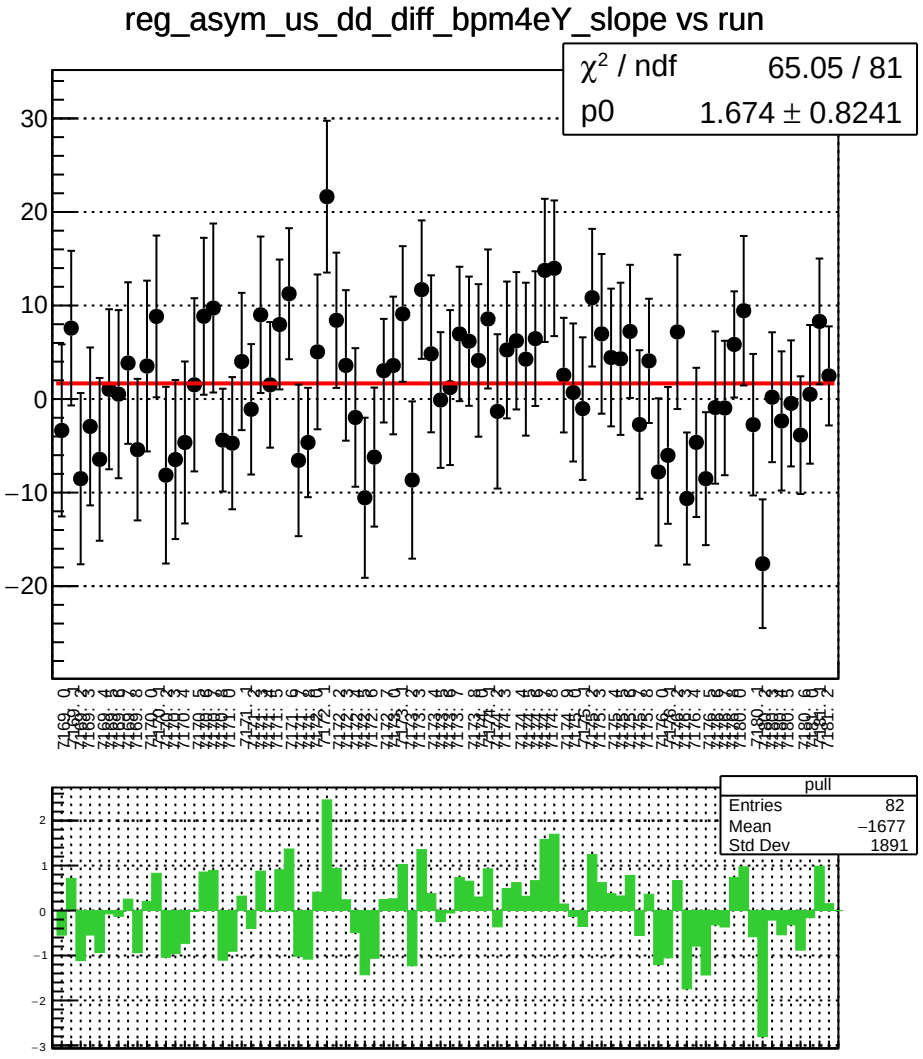

pull1D
Entries 82
Mean 0.01583
Std Dev 0.9171

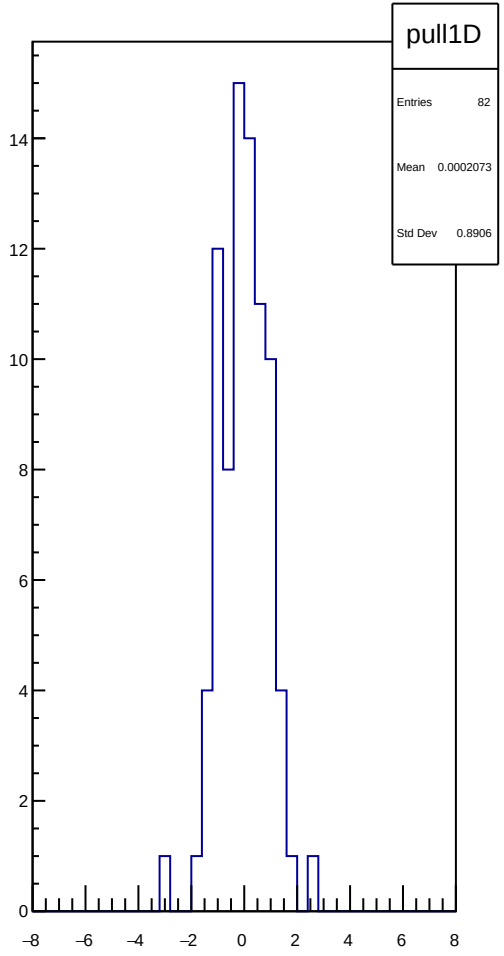

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.2 / 81
p0 0.0652 ± 0.7343
pull
Entries 82
Mean 10.15
Std Dev 247

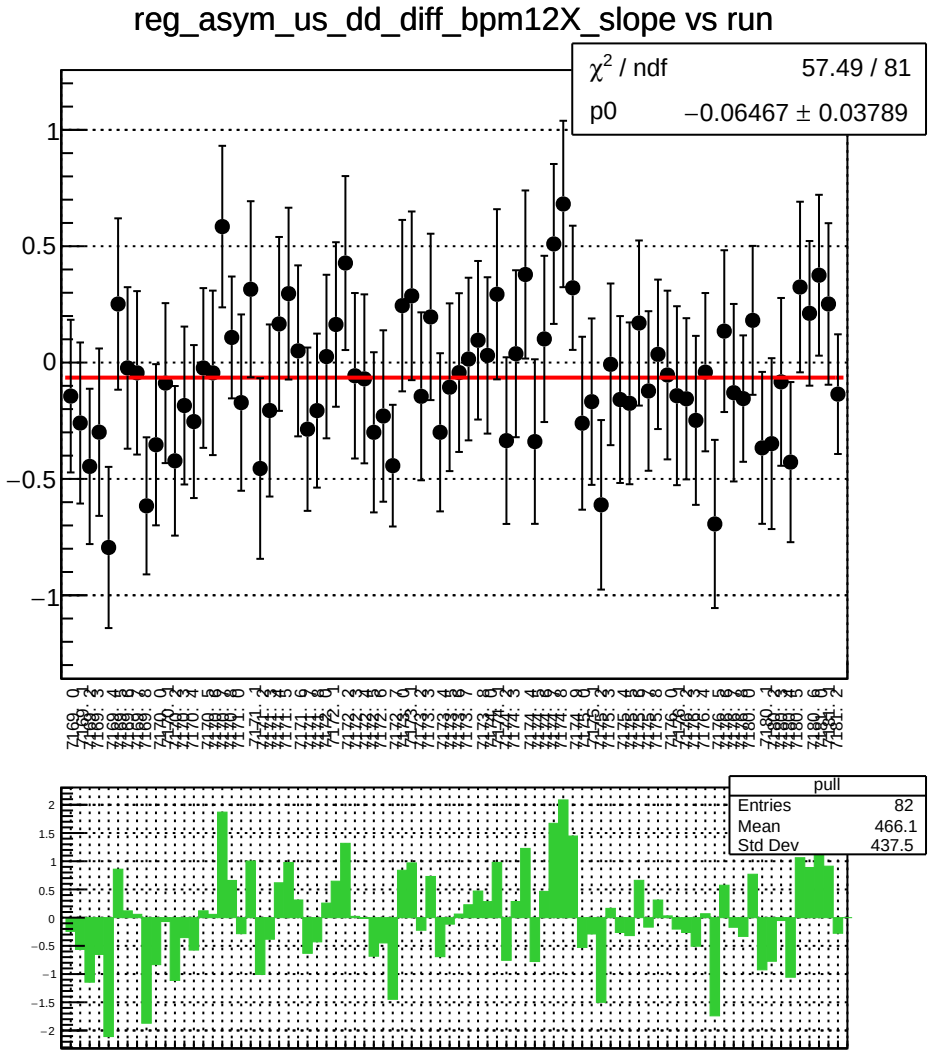

pull1D
Entries 82
Mean 0.001856
Std Dev 0.8848

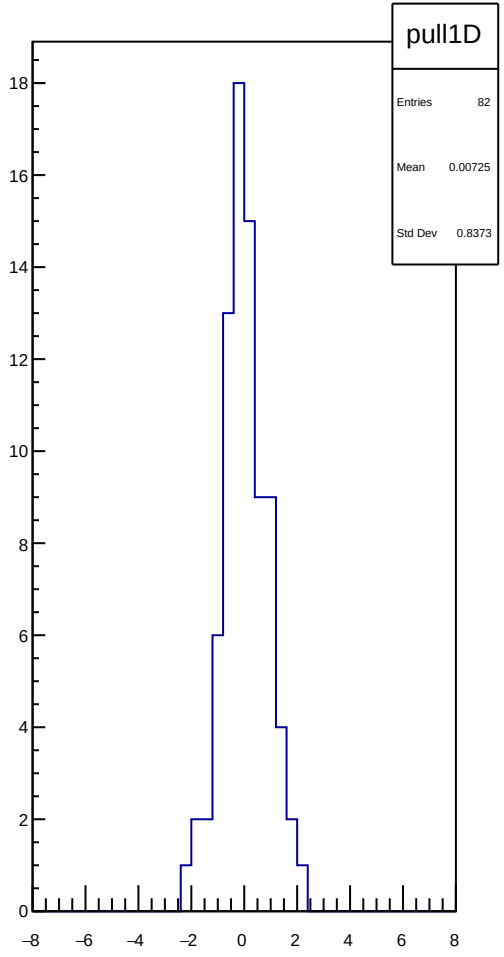

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 70.27 / 81
p0 −55.86 ± 1.025
pull
Entries 82
Mean −141.2
Std Dev 189.3

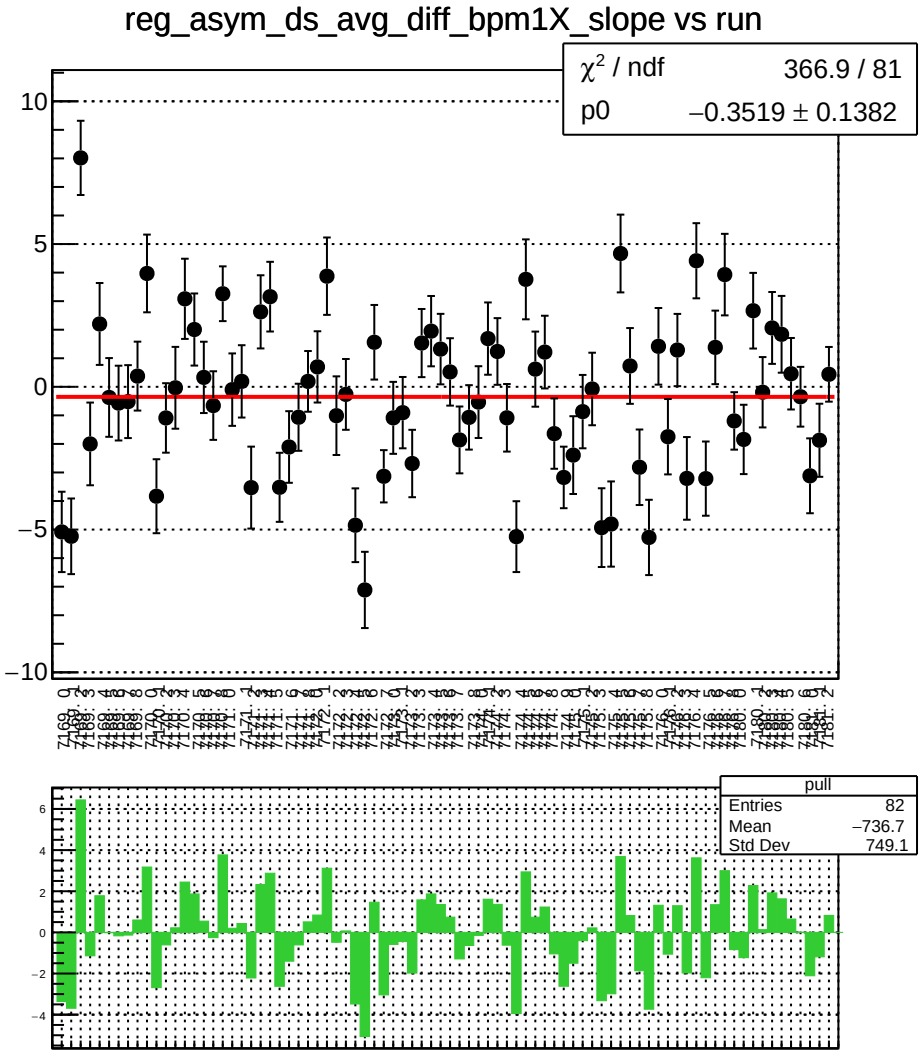

pull1D
Entries 82
Mean −0.01811
Std Dev 0.9256

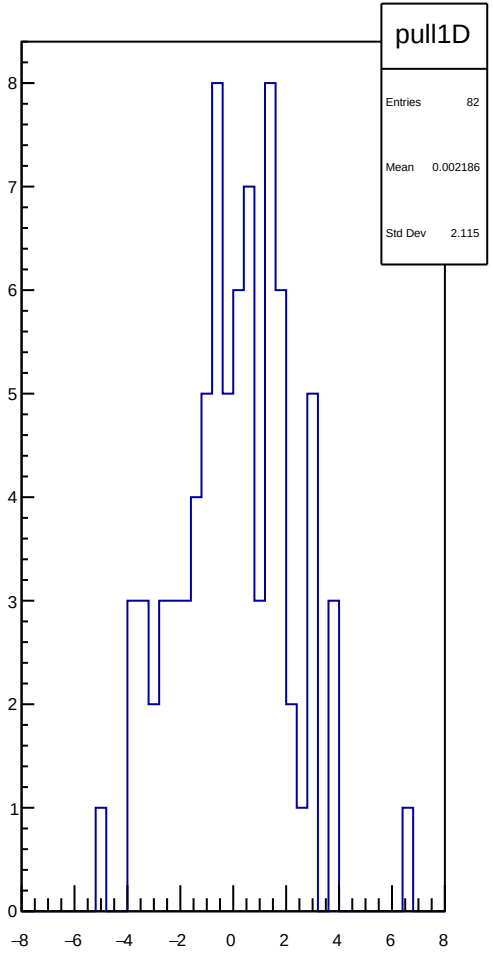

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.05 / 81
p0 1.674 ± 0.8241
pull
Entries 82
Mean −1677
Std Dev 1891

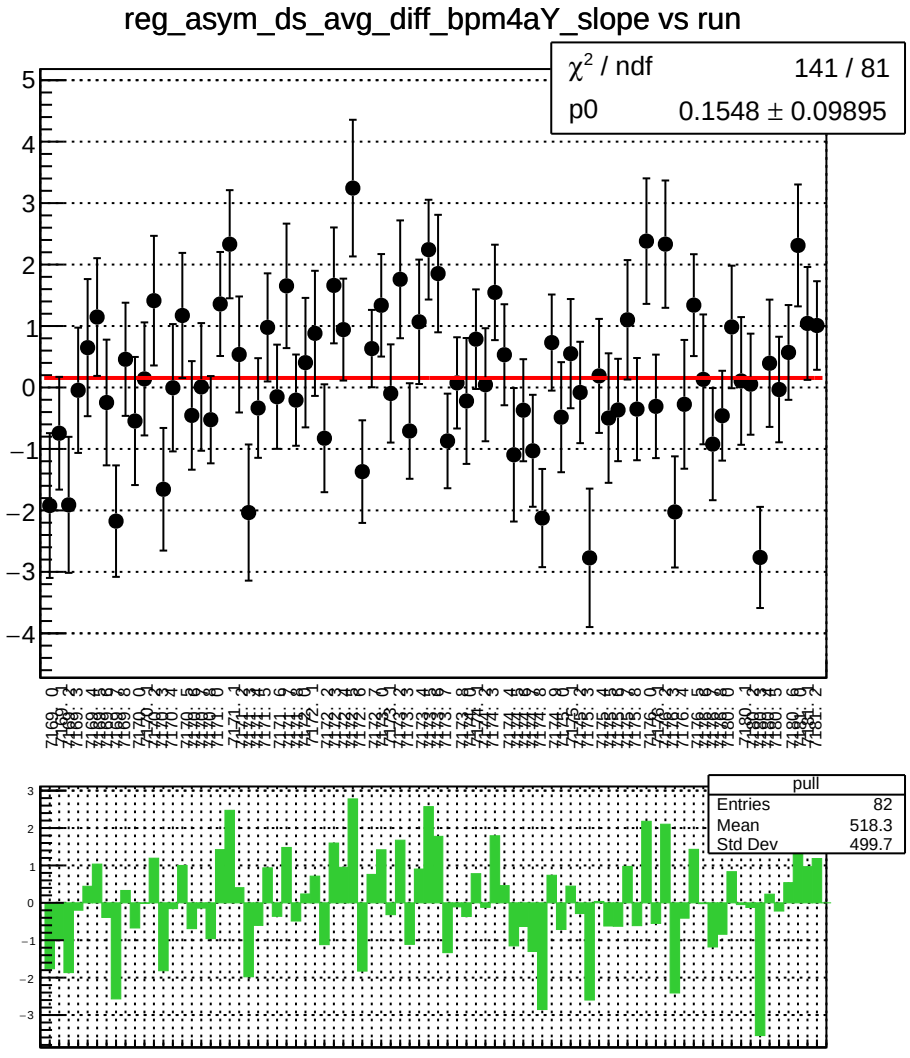

pull1D
Entries 82
Mean 0.0002073
Std Dev 0.8906

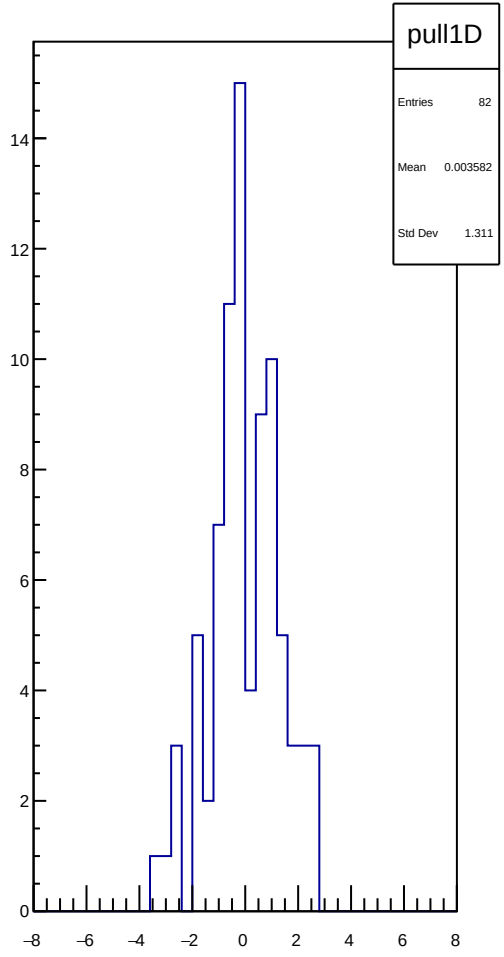

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 57.49 / 81
p0 −0.06467 ± 0.03789
pull
Entries 82
Mean 466.1
Std Dev 437.5

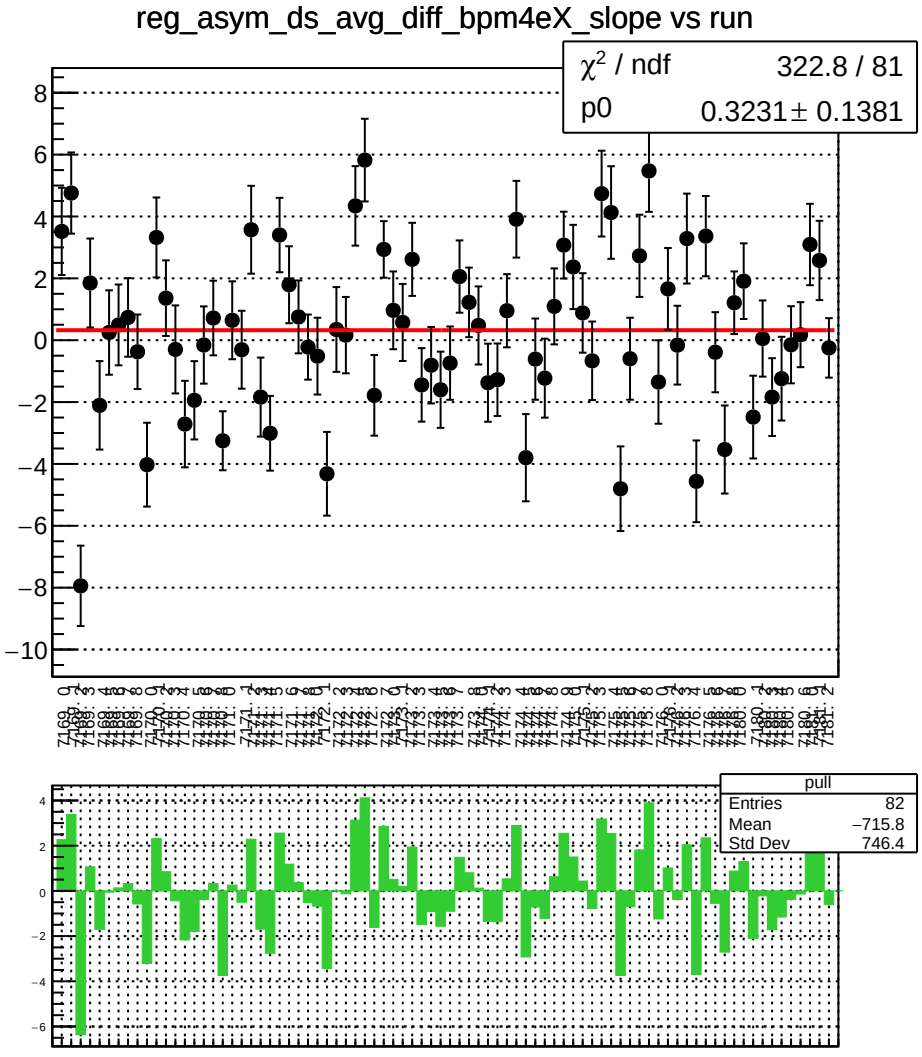

pull1D
Entries 82
Mean 0.00725
Std Dev 0.8373

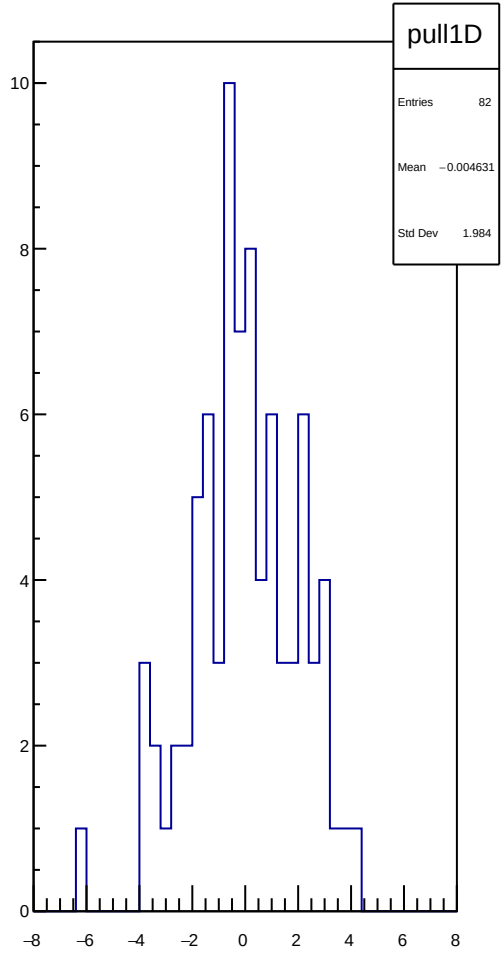

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 366.9 / 81
p0 −0.3519 ± 0.1382
pull
Entries 82
Mean −736.7
Std Dev 749.1

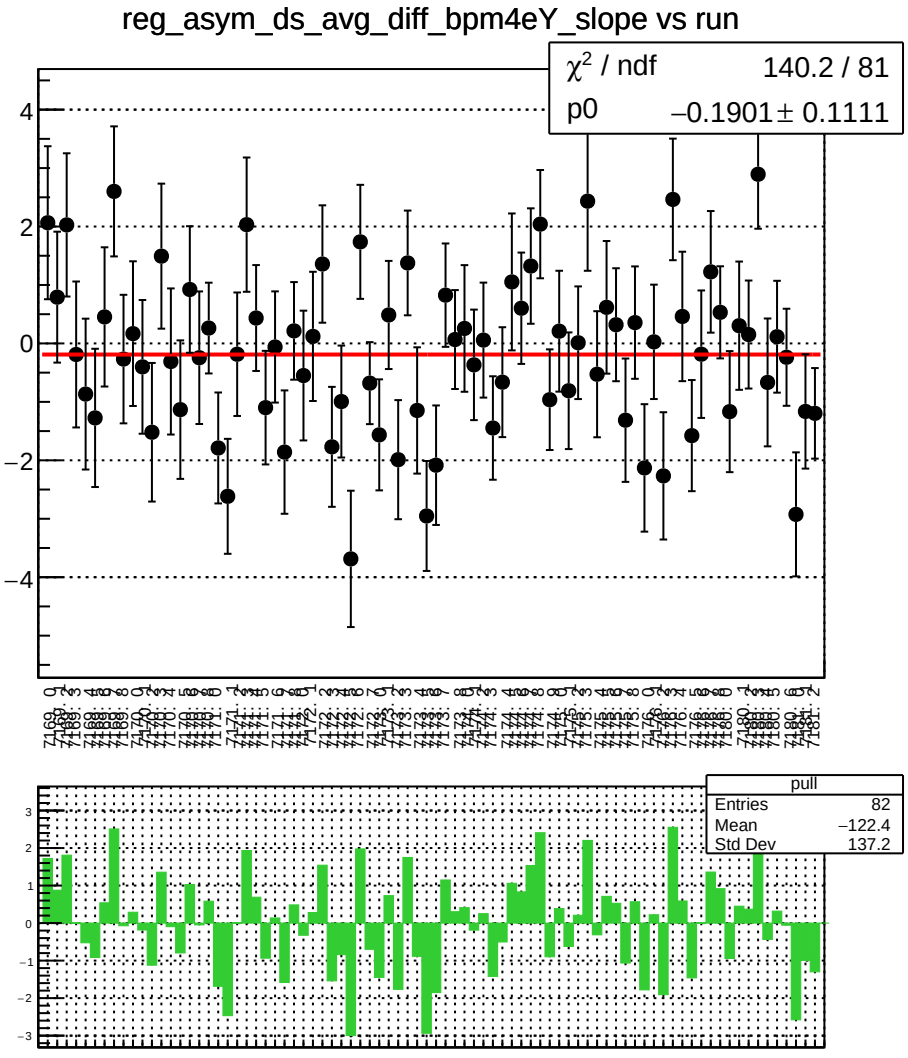

pull1D
Entries 82
Mean 0.002186
Std Dev 2.115

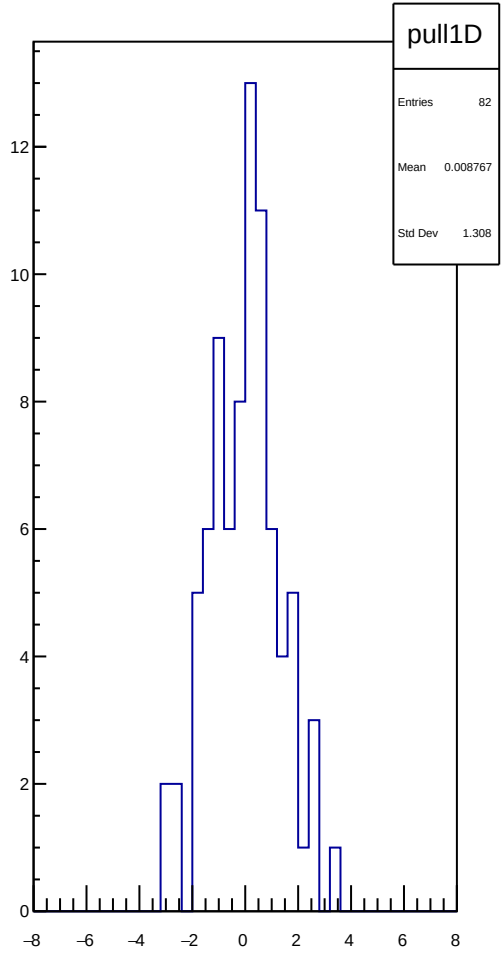

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 141 / 81
p0 0.1548 ± 0.09895
pull
Entries 82
Mean 518.3
Std Dev 499.7

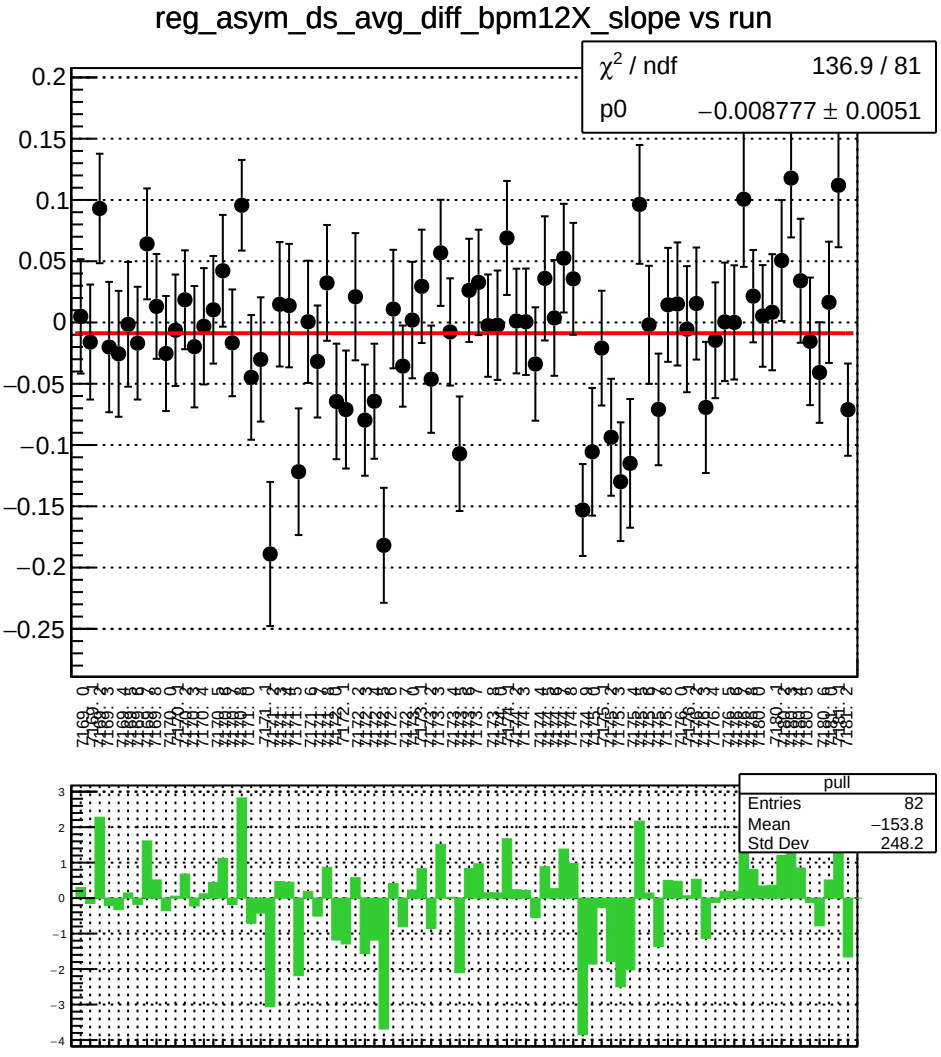

pull1D
Entries 82
Mean 0.003582
Std Dev 1.311

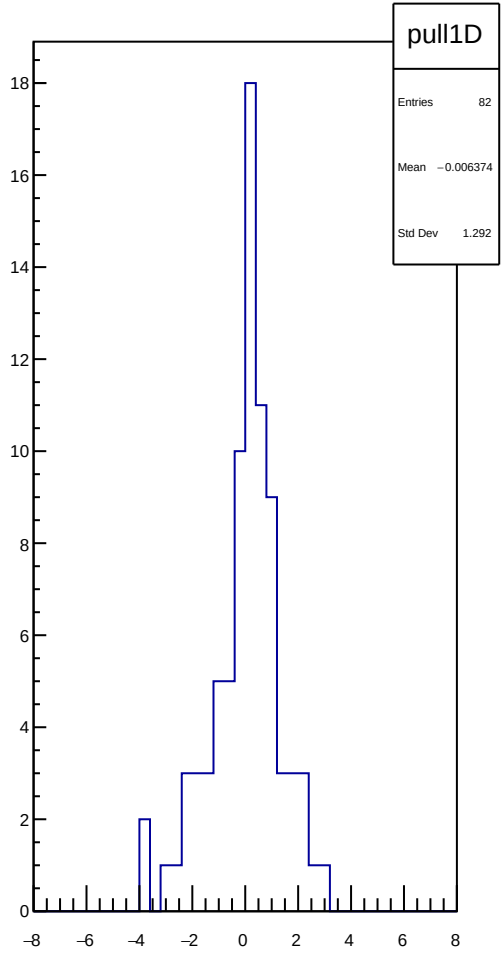

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 322.8 / 81
p0 0.3231 ± 0.1381
pull
Entries 82
Mean −715.8
Std Dev 746.4

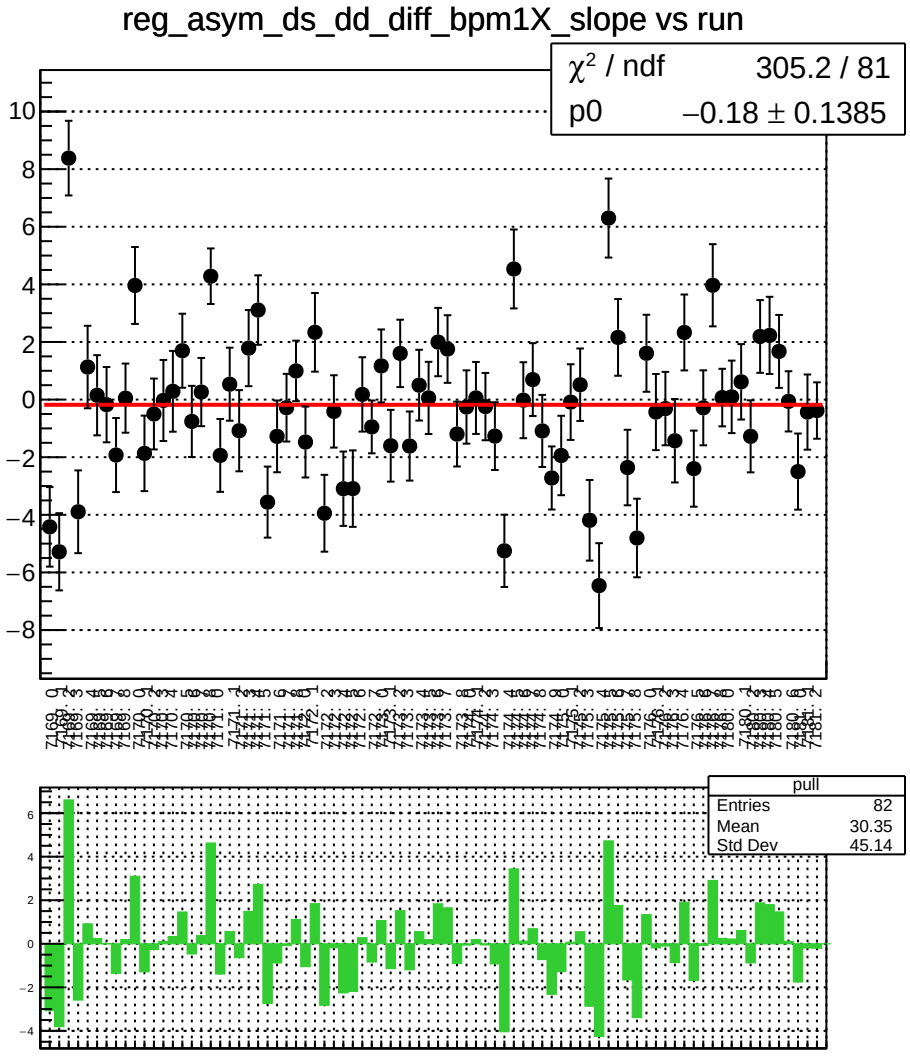

pull1D
Entries 82
Mean −0.004631
Std Dev 1.984

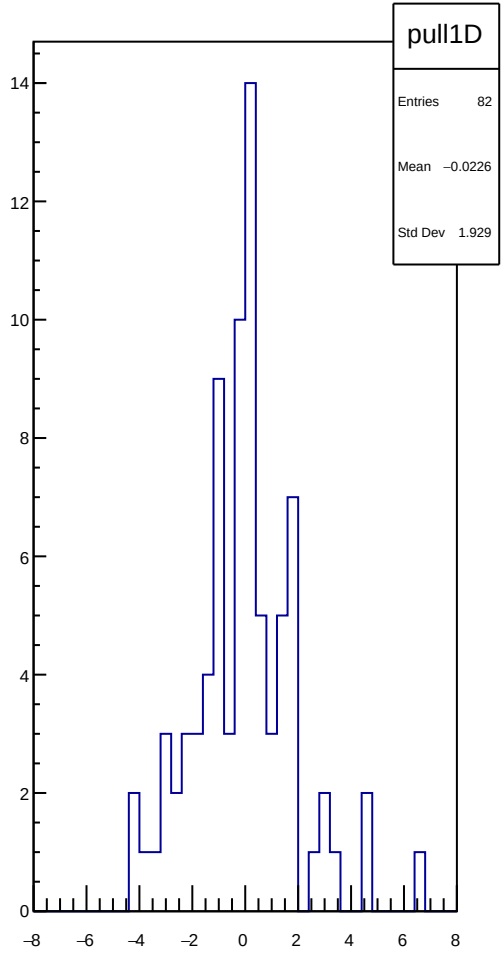

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 140.2 / 81
p0 −0.1901 ± 0.1111
pull
Entries 82
Mean −122.4
Std Dev 137.2

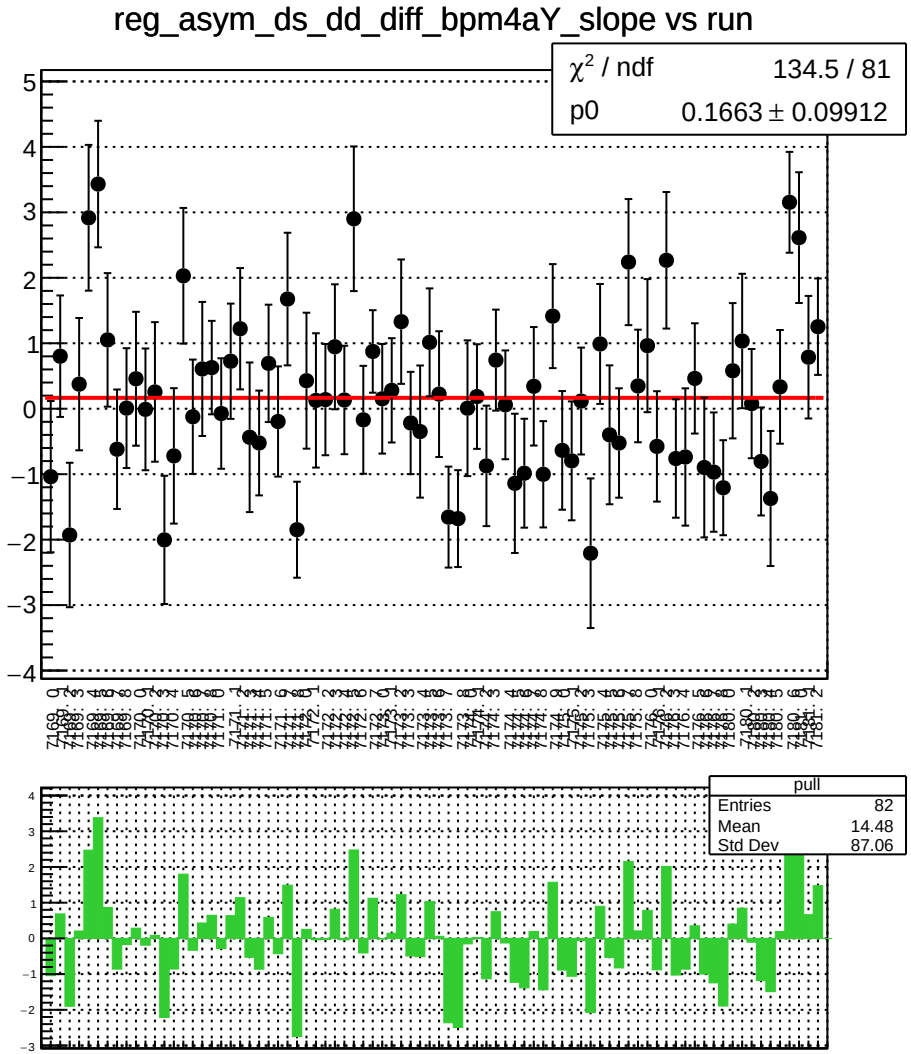

pull1D
Entries 82
Mean 0.008767
Std Dev 1.308

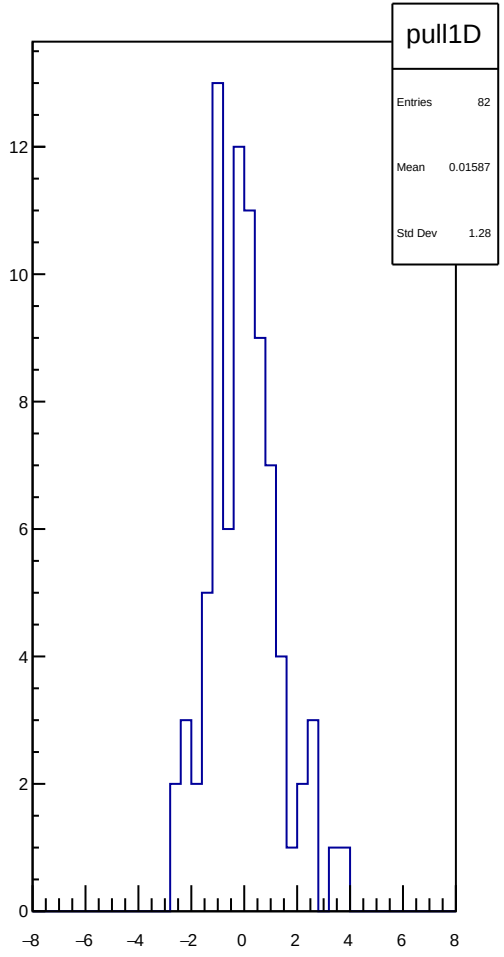

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 136.9 / 81
p0 −0.008777 ± 0.0051
pull
Entries 82
Mean −153.8
Std Dev 248.2

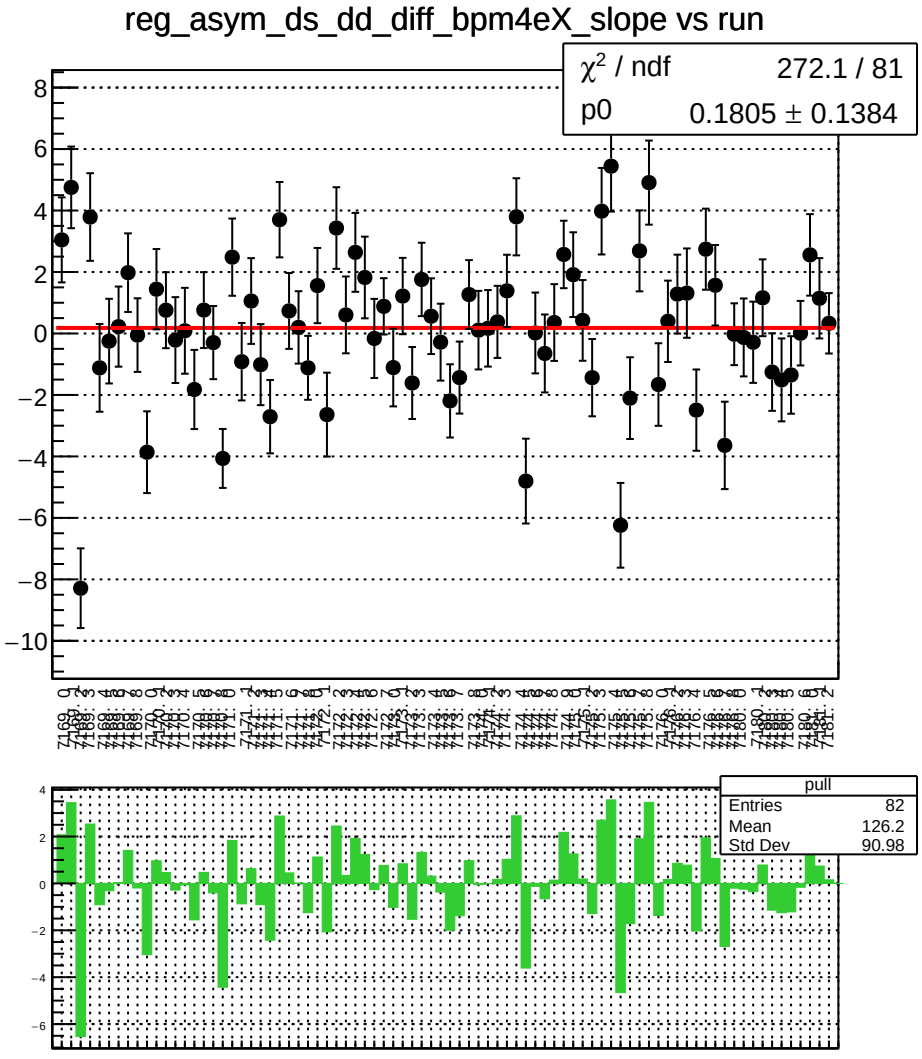

pull1D
Entries 82
Mean −0.006374
Std Dev 1.292

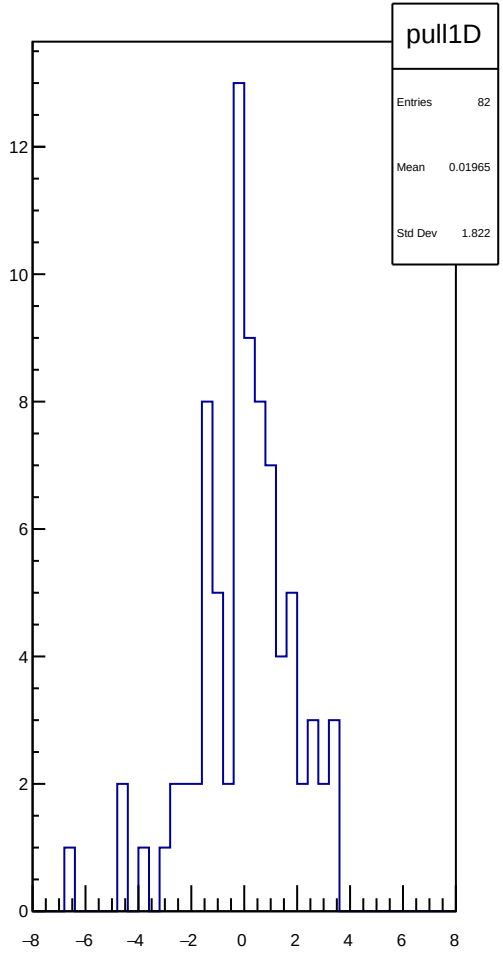

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 305.2 / 81
p0 −0.18 ± 0.1385
pull
Entries 82
Mean 30.35
Std Dev 45.14

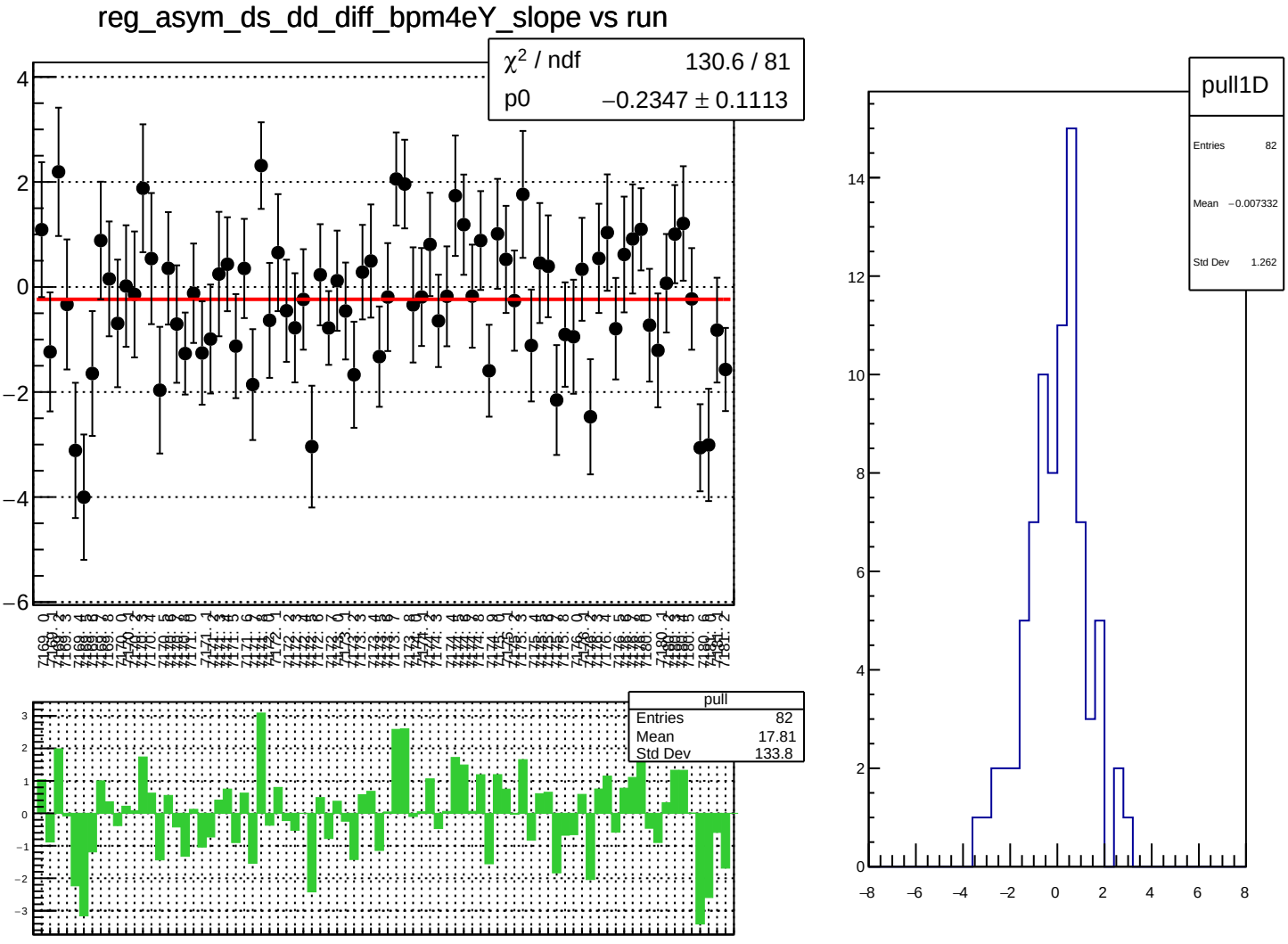

pull1D
Entries 82
Mean −0.0226
Std Dev 1.929

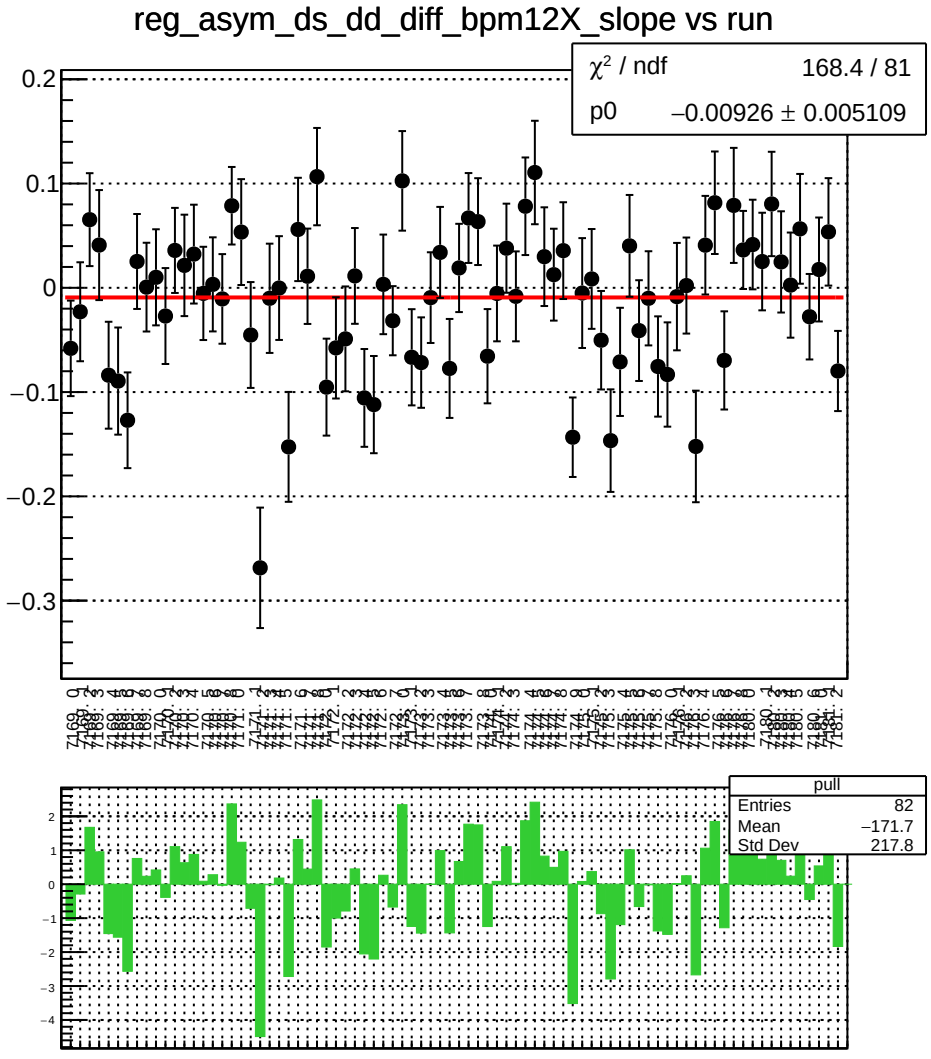

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 134.5 / 81
p0 0.1663 ± 0.09912
pull
Entries 82
Mean 14.48
Std Dev 87.06

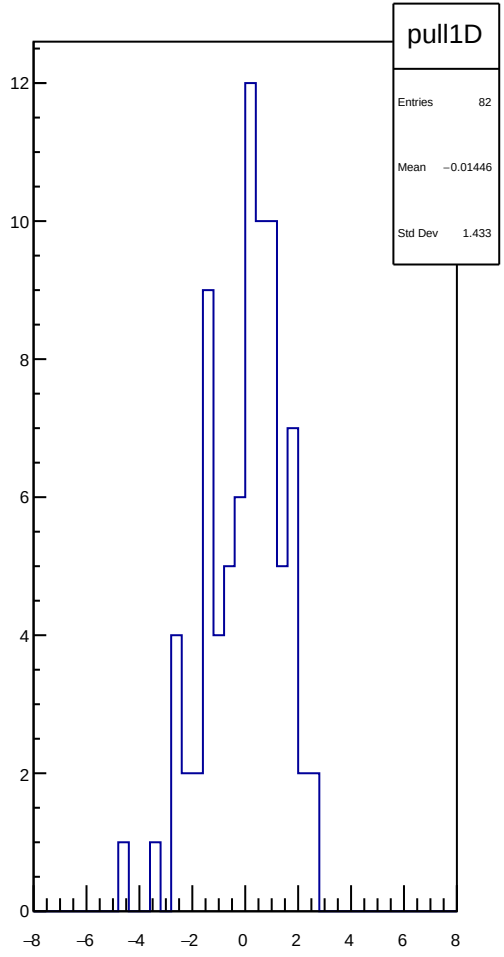

pull1D
Entries 82
Mean 0.01587
Std Dev 1.28

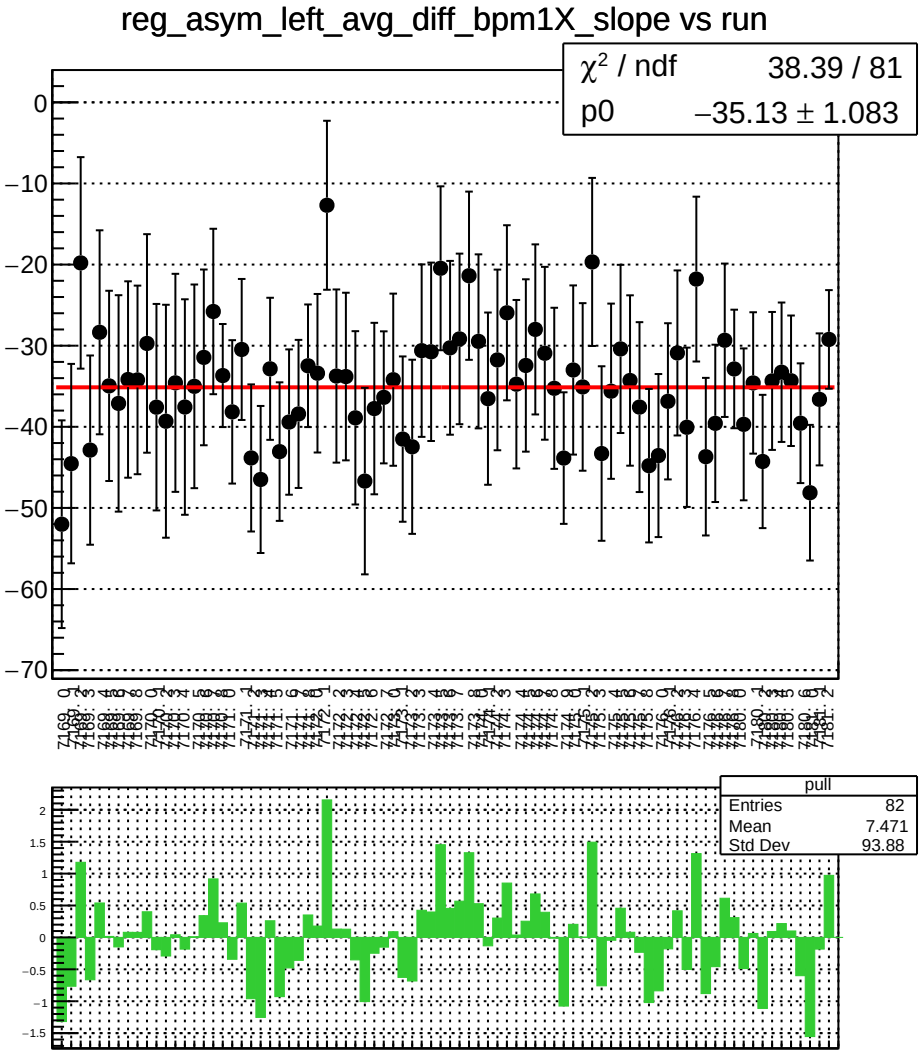

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 272.1 / 81
p0 0.1805 ± 0.1384
pull
Entries 82
Mean 126.2
Std Dev 90.98

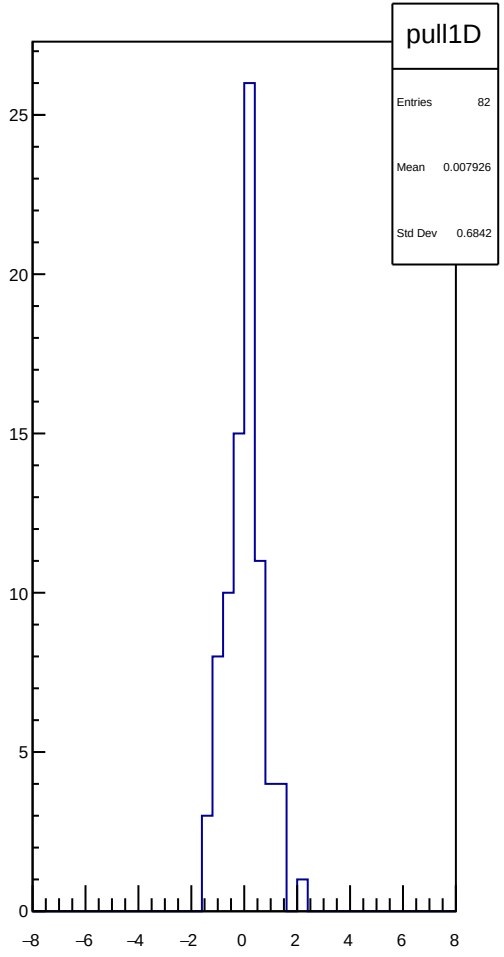

pull1D
Entries 82
Mean 0.01965
Std Dev 1.822

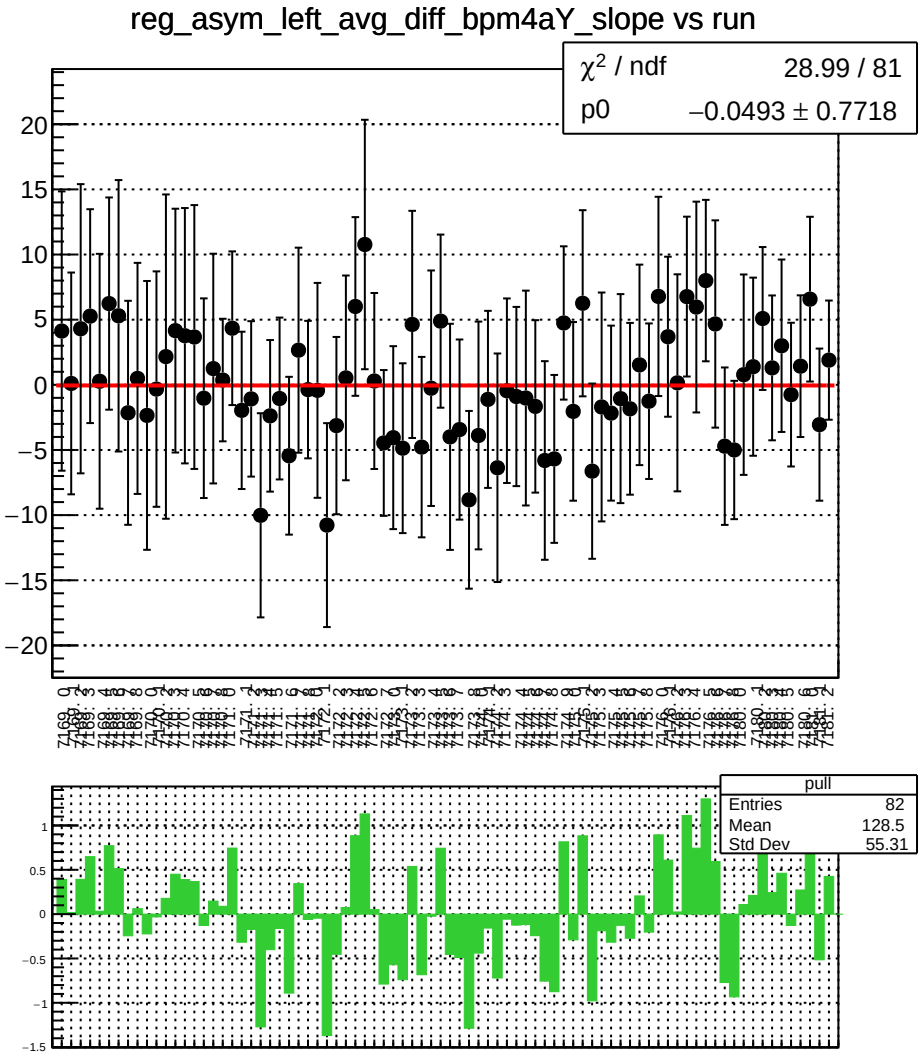

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 130.6 / 81
p0 −0.2347 ± 0.1113
pull
Entries 82
Mean 17.81
Std Dev 133.8
pull1D
Entries 82
Mean −0.007332
Std Dev 1.262

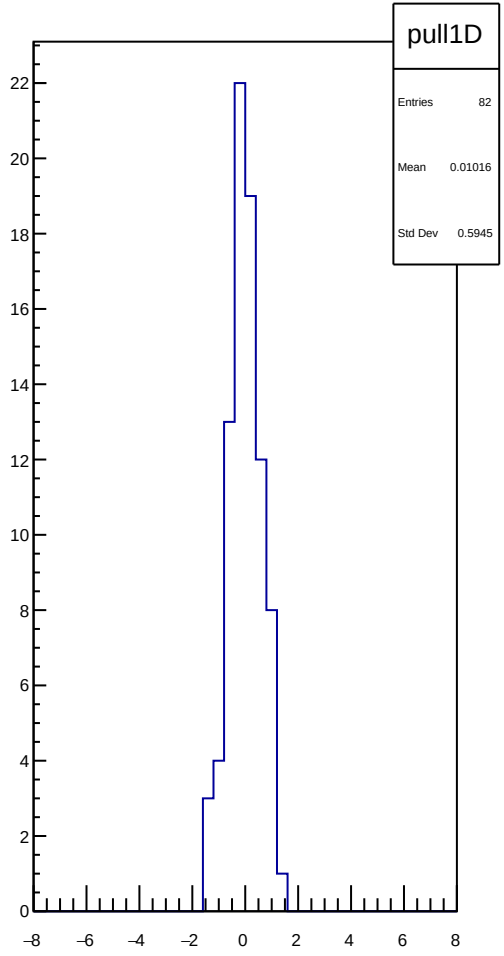

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 168.4 / 81
p0 −0.00926 ± 0.005109
pull
Entries 82
Mean −171.7
Std Dev 217.8

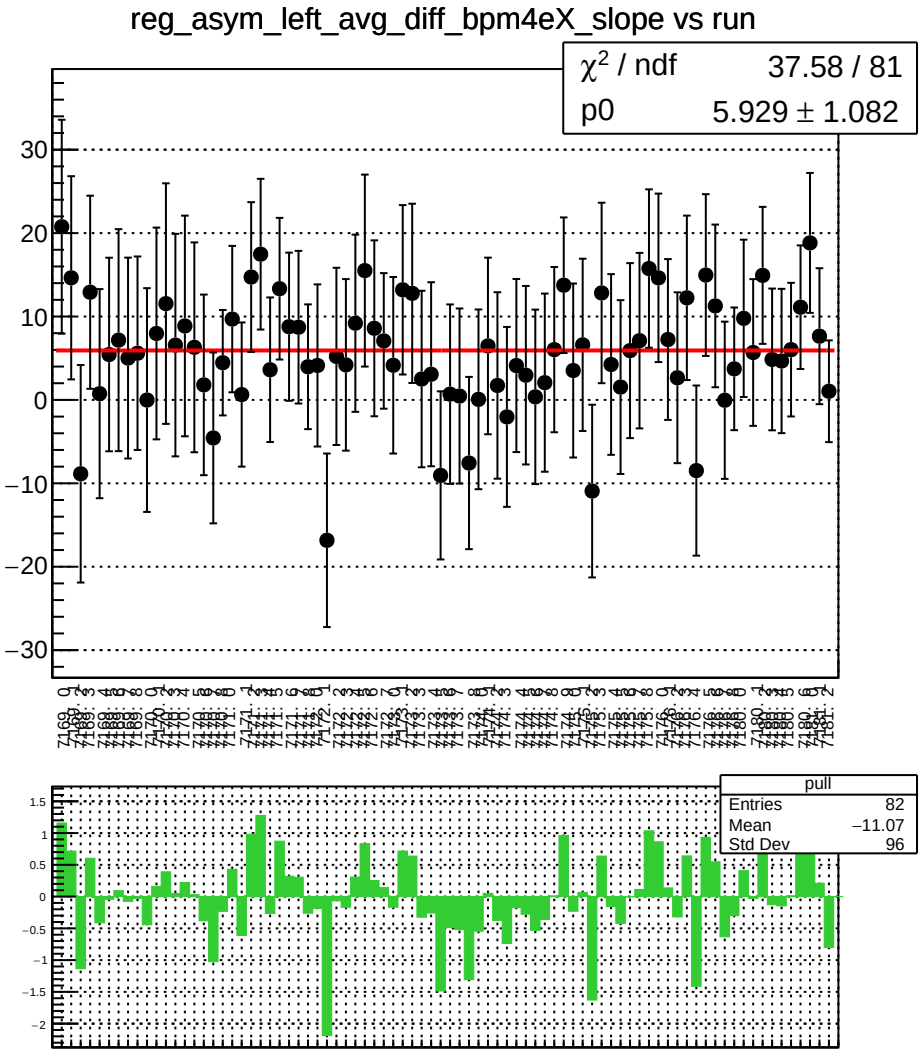

pull1D
Entries 82
Mean −0.01446
Std Dev 1.433

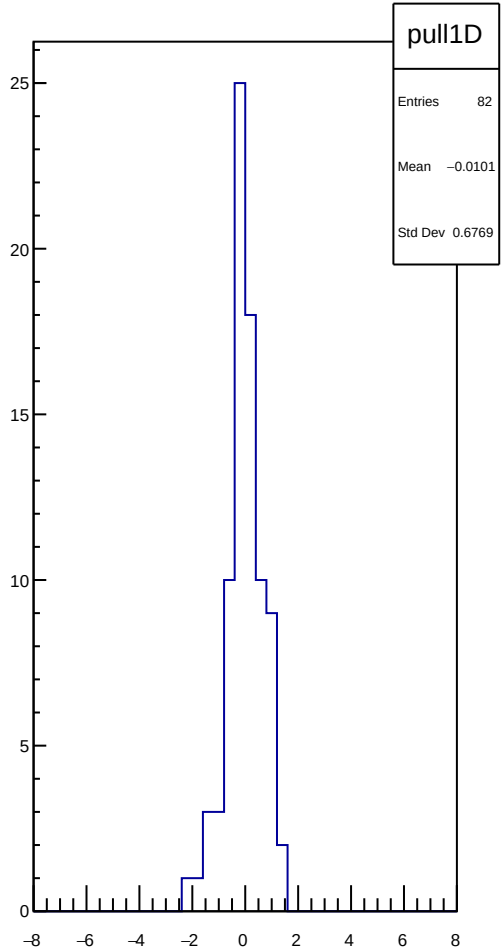

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 38.39 / 81
p0 −35.13 ± 1.083
pull
Entries 82
Mean 7.471
Std Dev 93.88

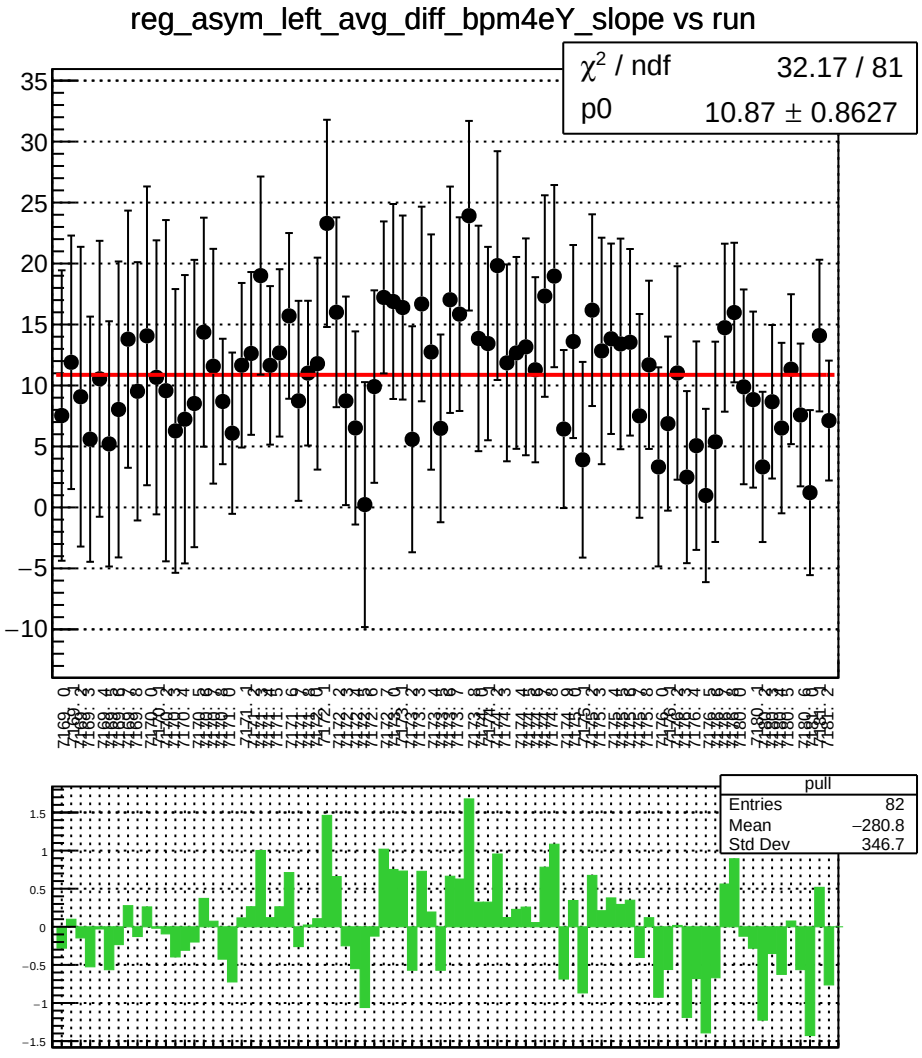

pull1D
Entries 82
Mean 0.007926
Std Dev 0.6842

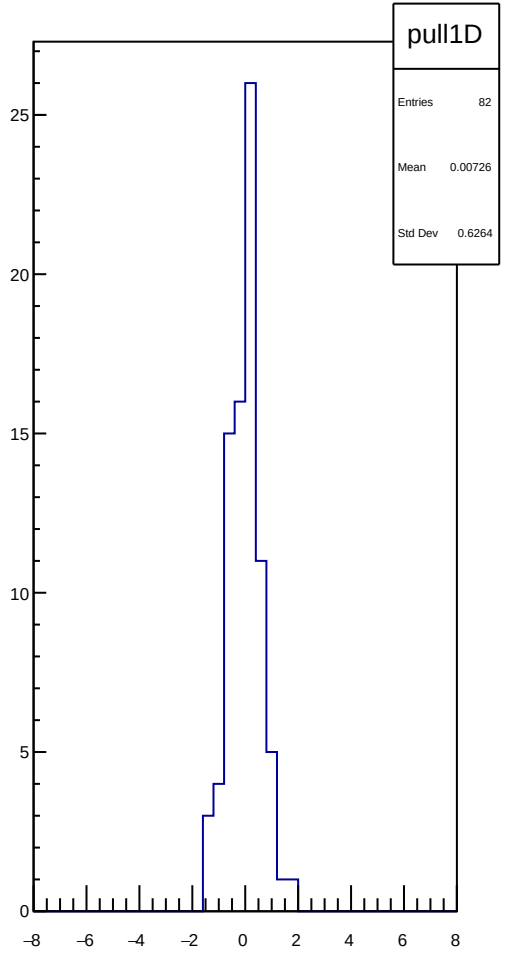

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 28.99 / 81
p0 −0.0493 ± 0.7718
pull
Entries 82
Mean 128.5
Std Dev 55.31

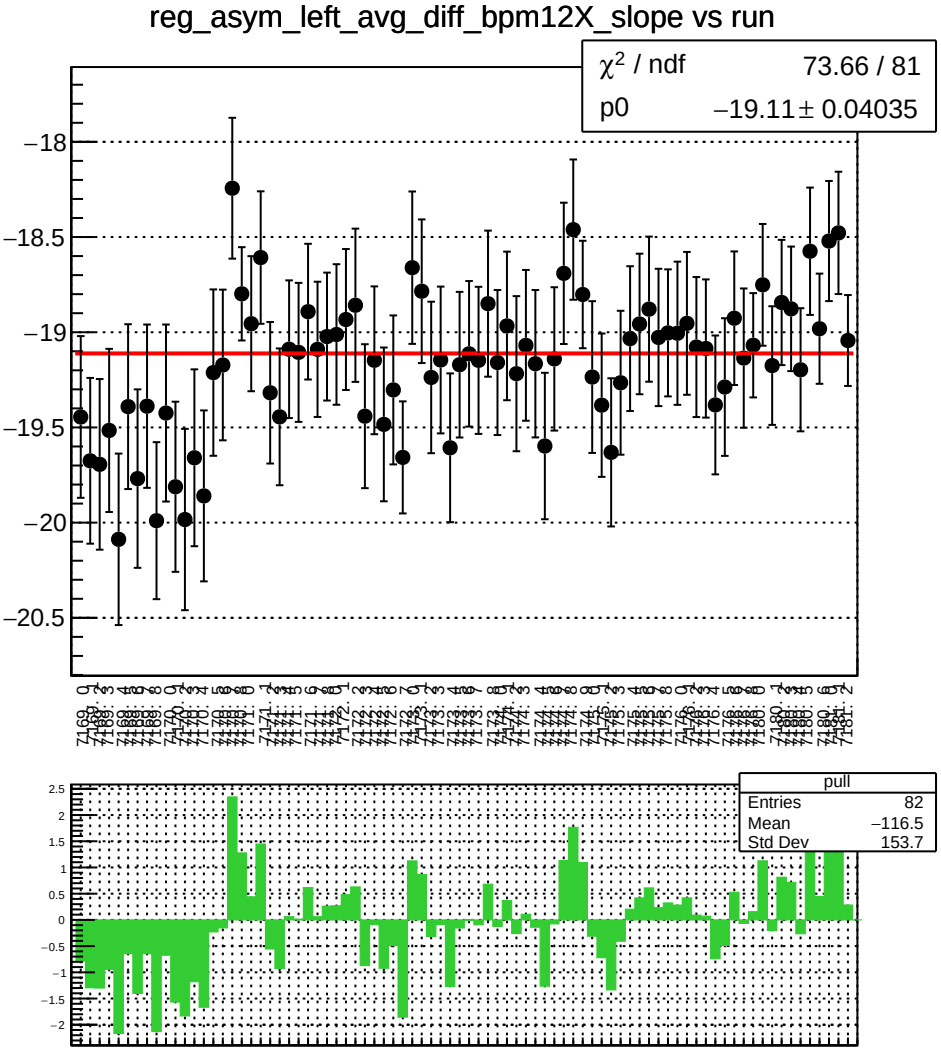

pull1D
Entries 82
Mean 0.01016
Std Dev 0.5945

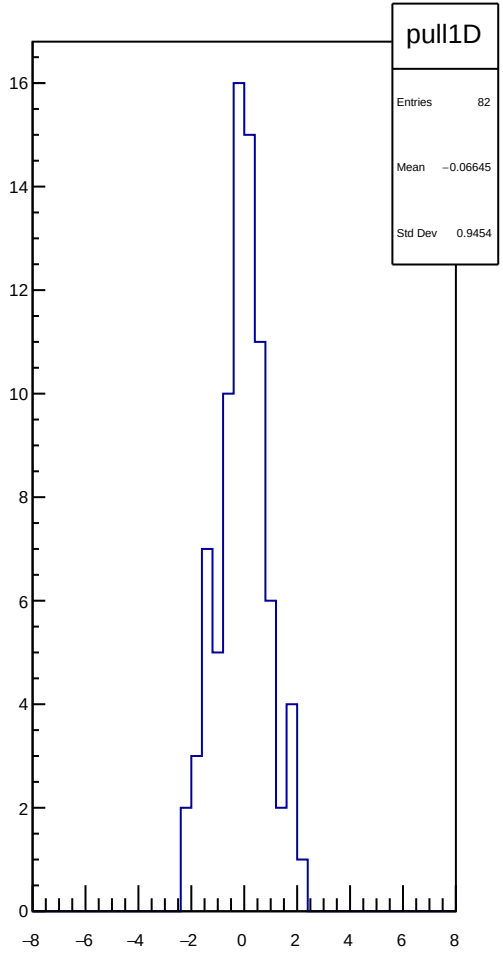

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.58 / 81
p0 5.929 ± 1.082
pull
Entries 82
Mean −11.07
Std Dev 96

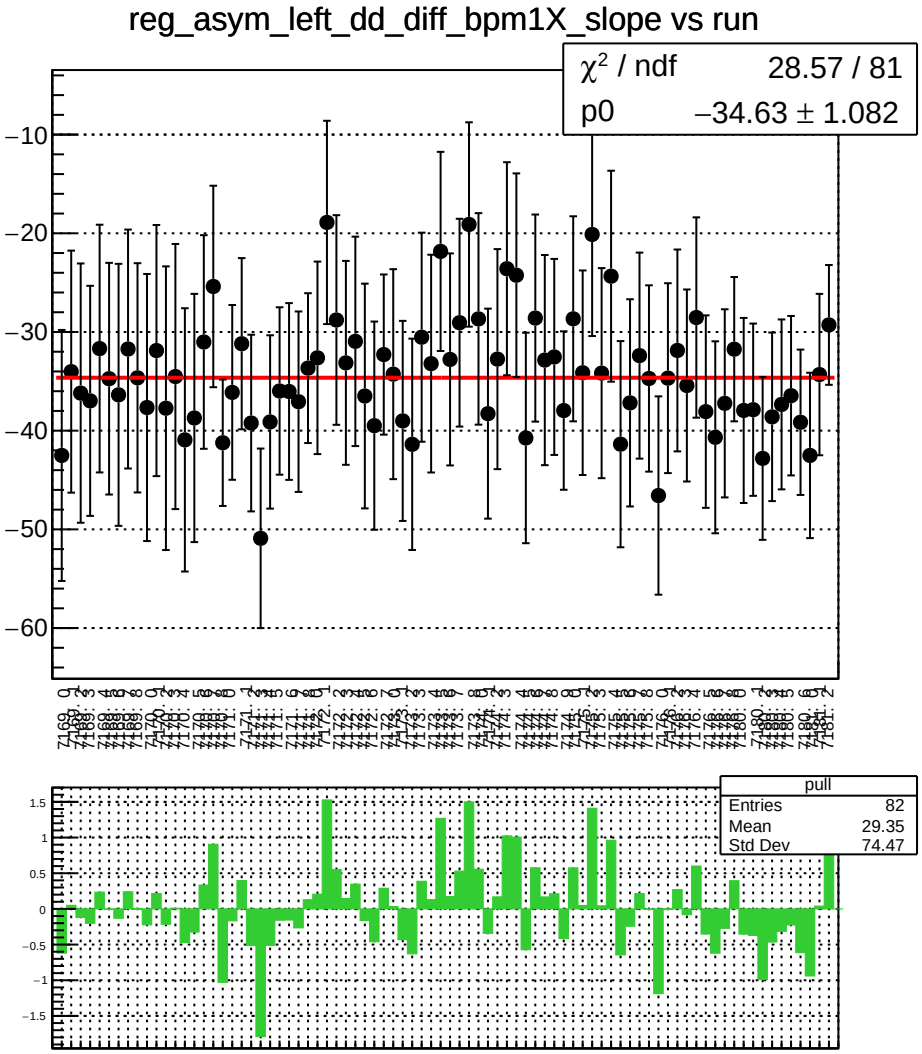

pull1D
Entries 82
Mean −0.0101
Std Dev 0.6769

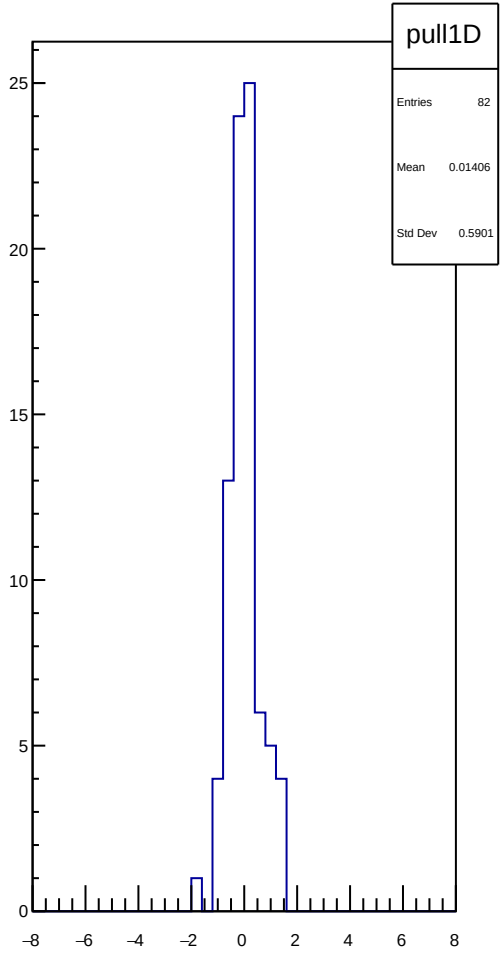

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.17 / 81
p0 10.87 ± 0.8627
pull
Entries 82
Mean −280.8
Std Dev 346.7

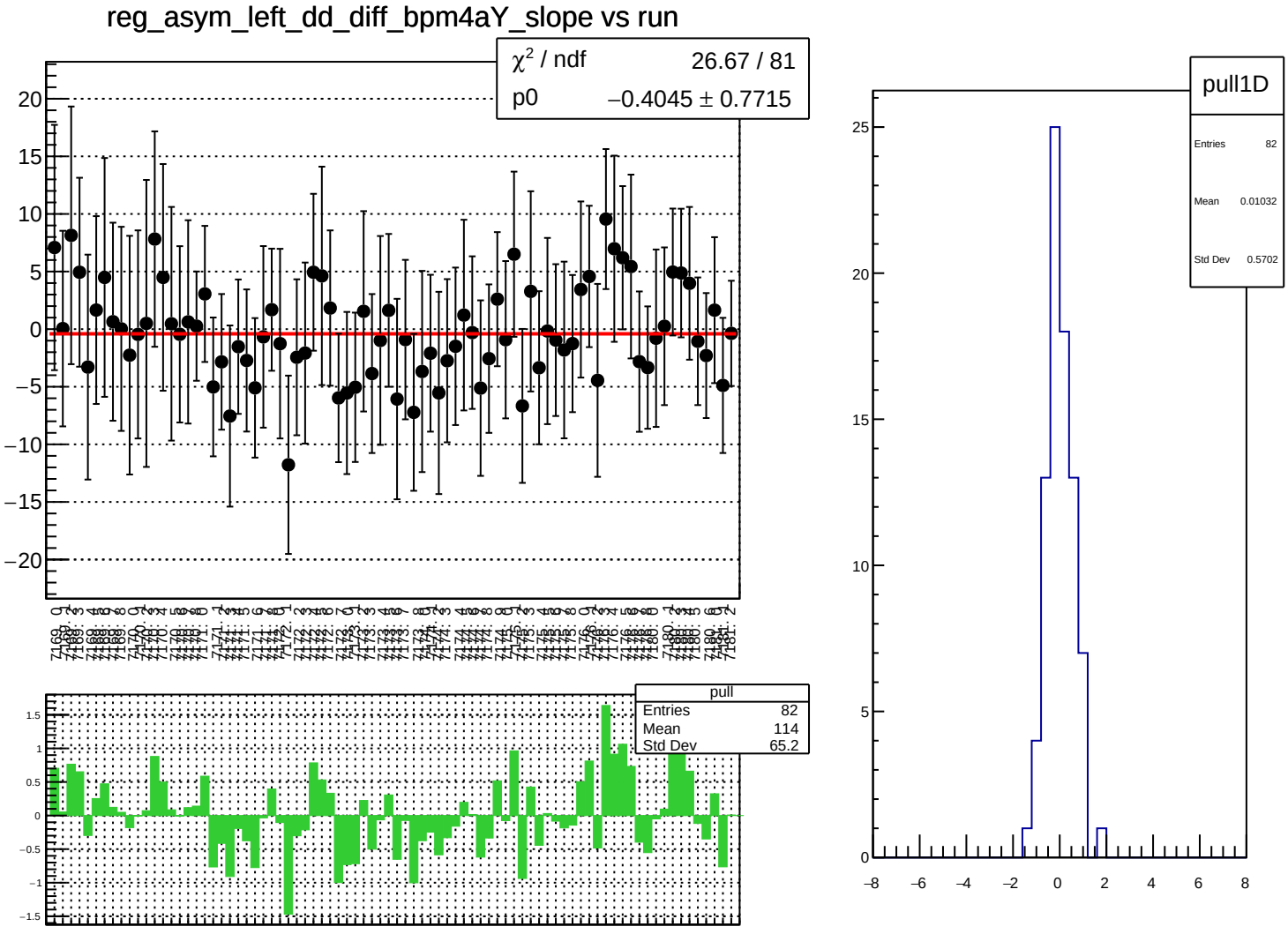

pull1D
Entries 82
Mean 0.00726
Std Dev 0.6264

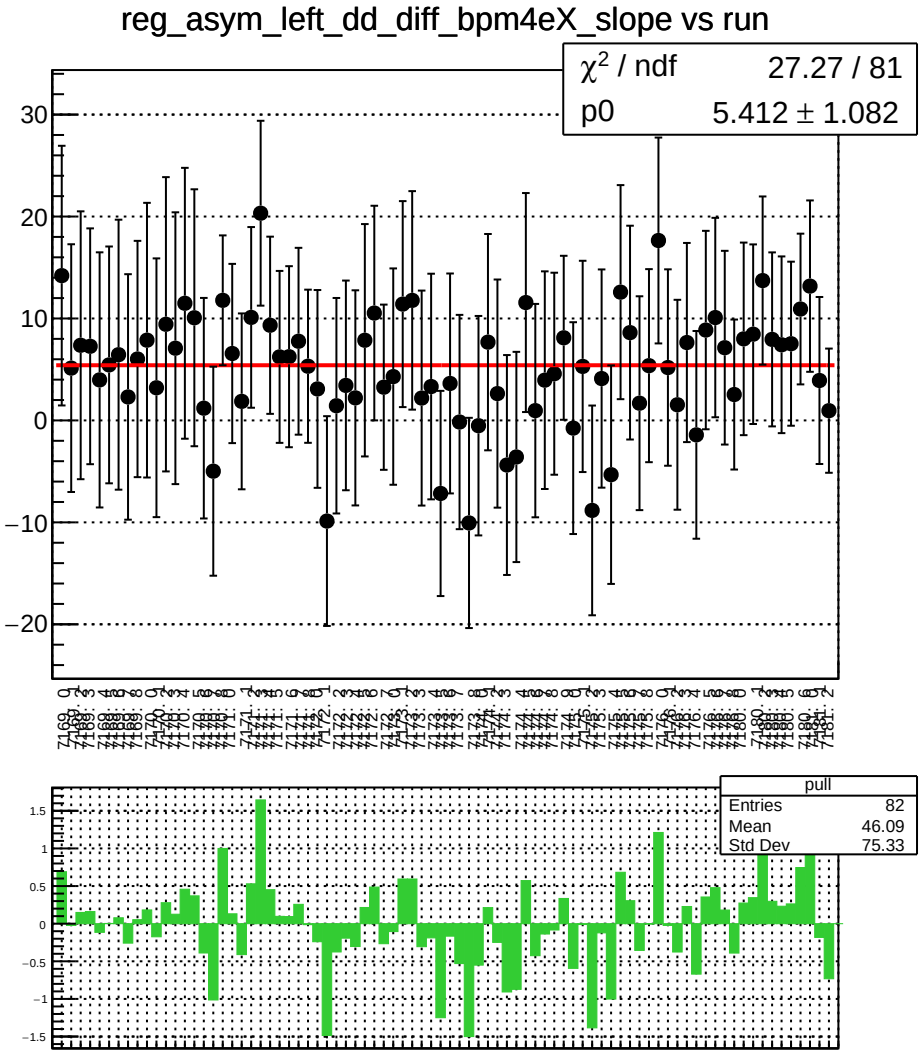

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 73.66 / 81
p0 −19.11 ± 0.04035
pull
Entries 82
Mean −116.5
Std Dev 153.7

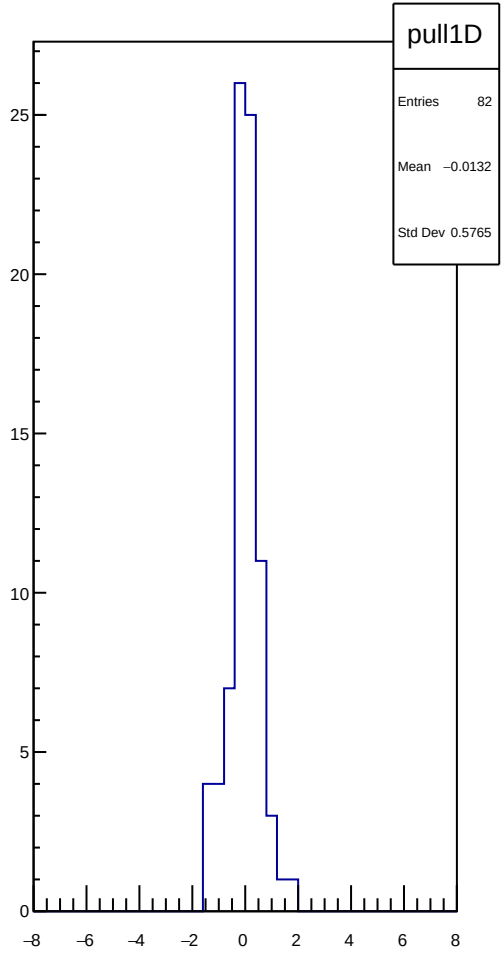

pull1D
Entries 82
Mean −0.06645
Std Dev 0.9454

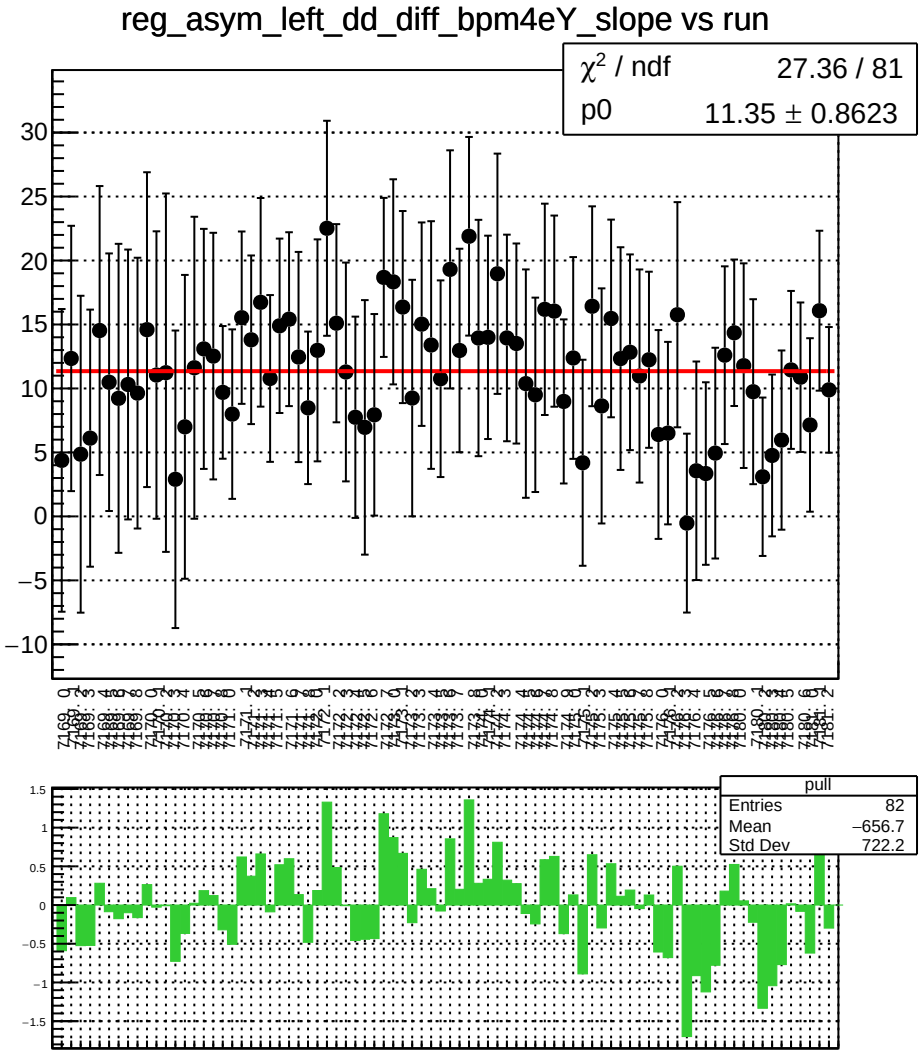

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.57 / 81
p0 −34.63 ± 1.082
pull
Entries 82
Mean 29.35
Std Dev 74.47

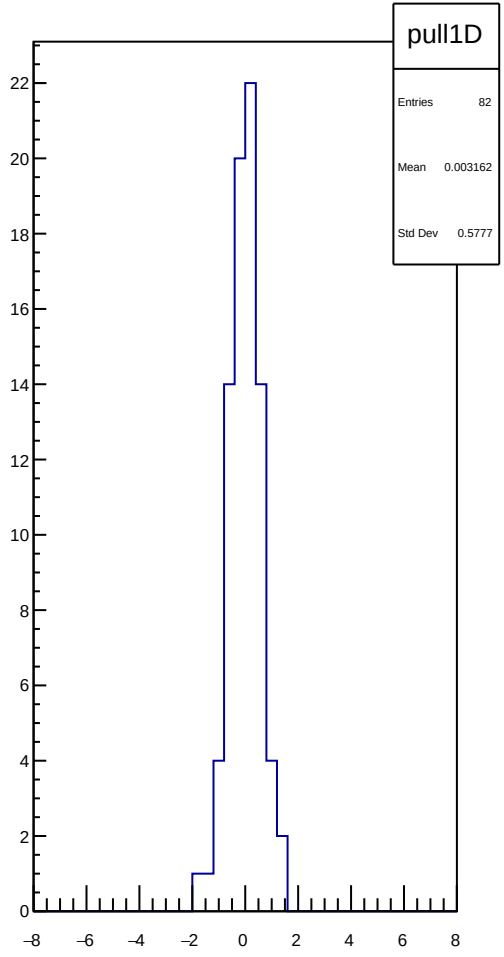

pull1D
Entries 82
Mean 0.01406
Std Dev 0.5901

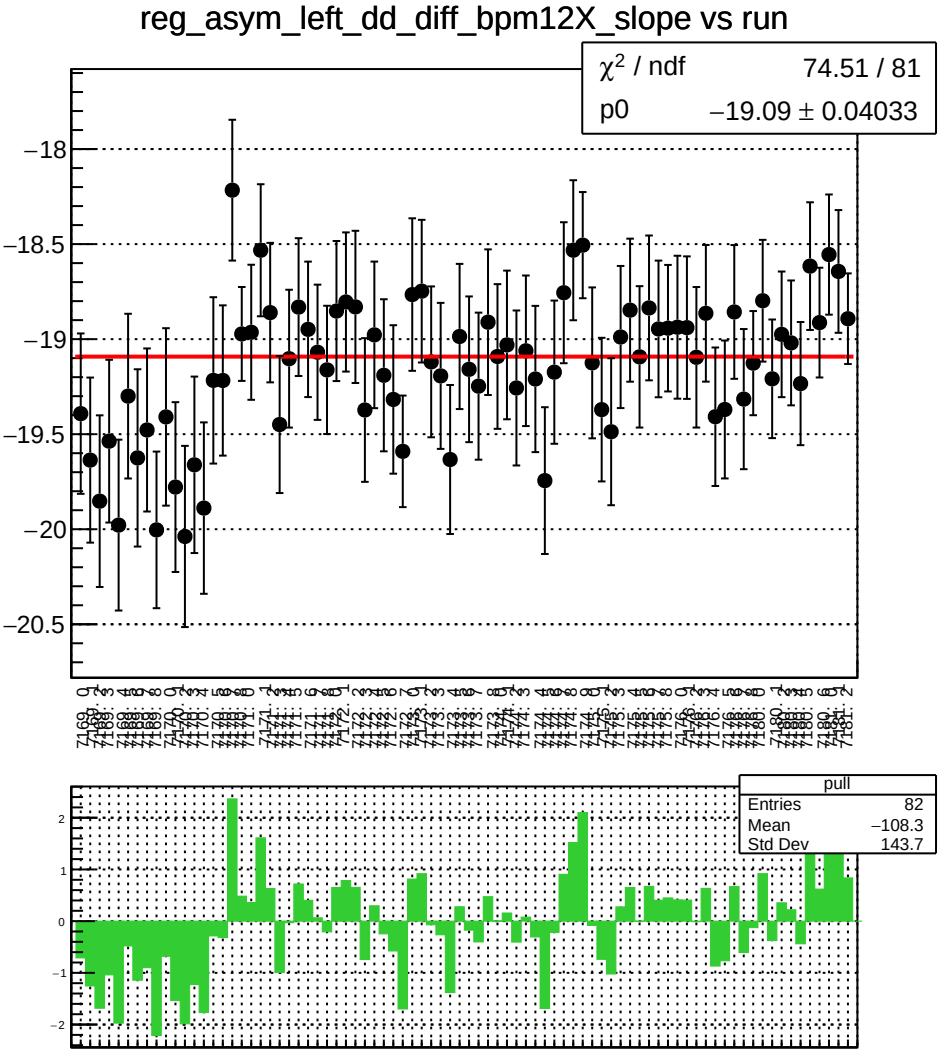

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.67 / 81
p0 −0.4045 ± 0.7715
pull
Entries 82
Mean 114
Std Dev 65.2
pull1D
Entries 82
Mean 0.01032
Std Dev 0.5702

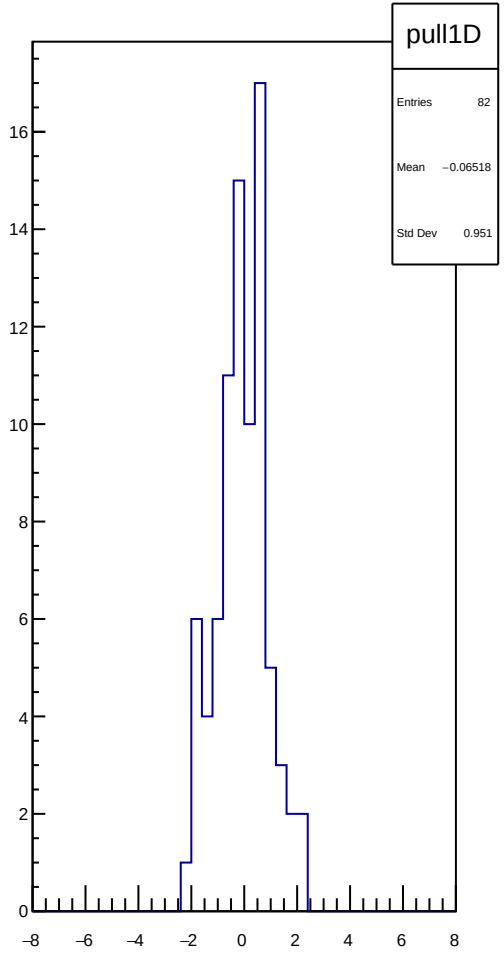

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.27 / 81
p0 5.412 ± 1.082
pull
Entries 82
Mean 46.09
Std Dev 75.33

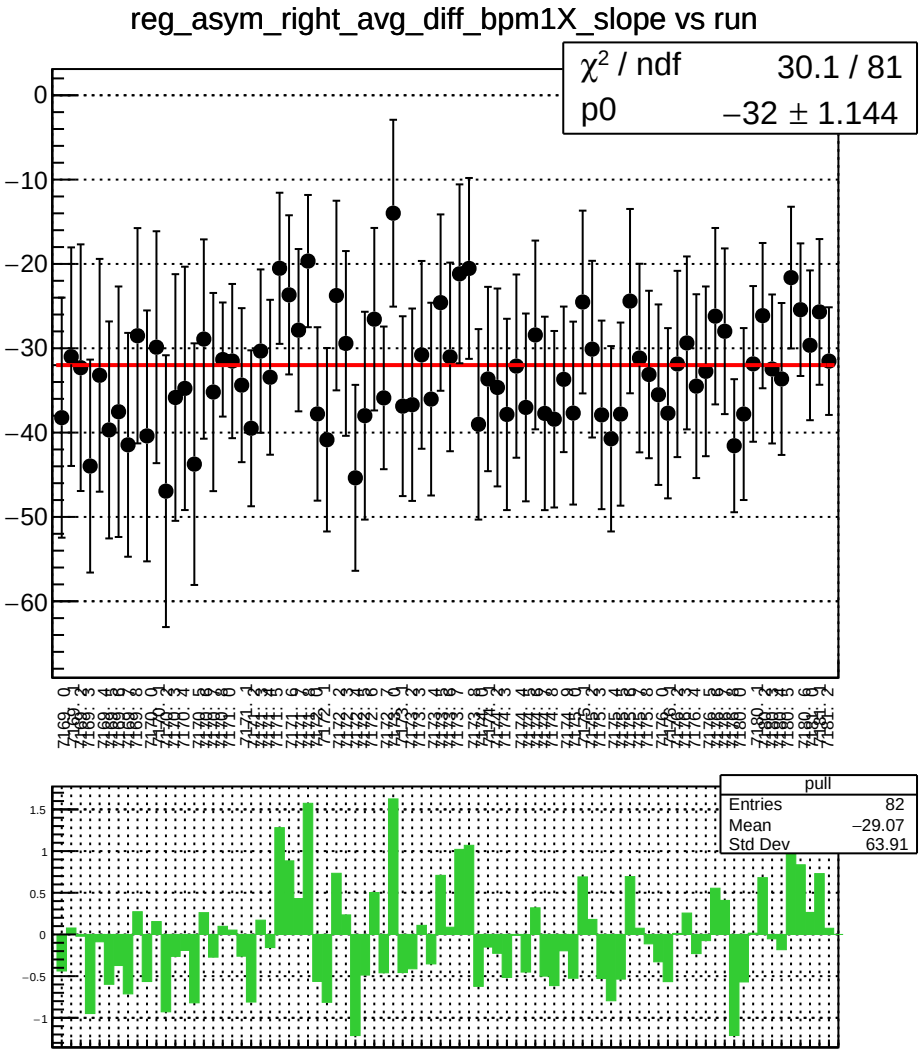

pull1D
Entries 82
Mean −0.0132
Std Dev 0.5765

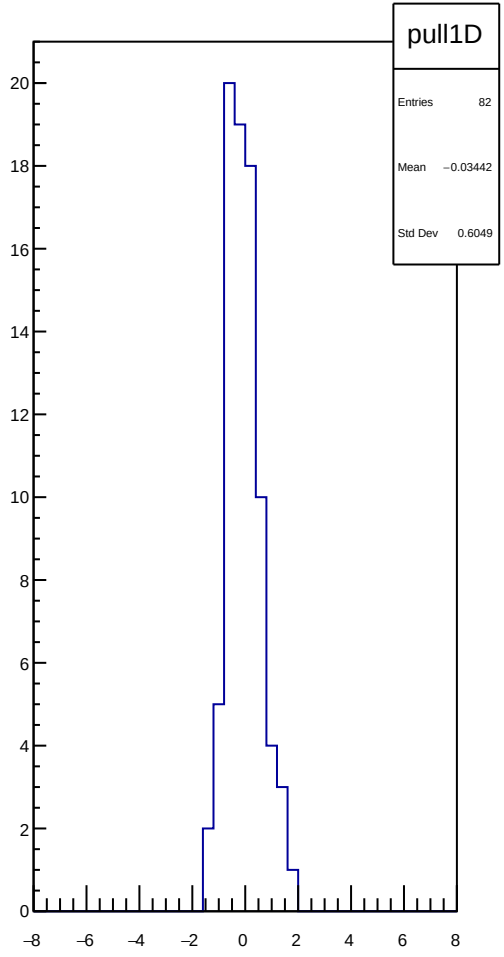

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.36 / 81
p0 11.35 ± 0.8623
pull
Entries 82
Mean −656.7
Std Dev 722.2

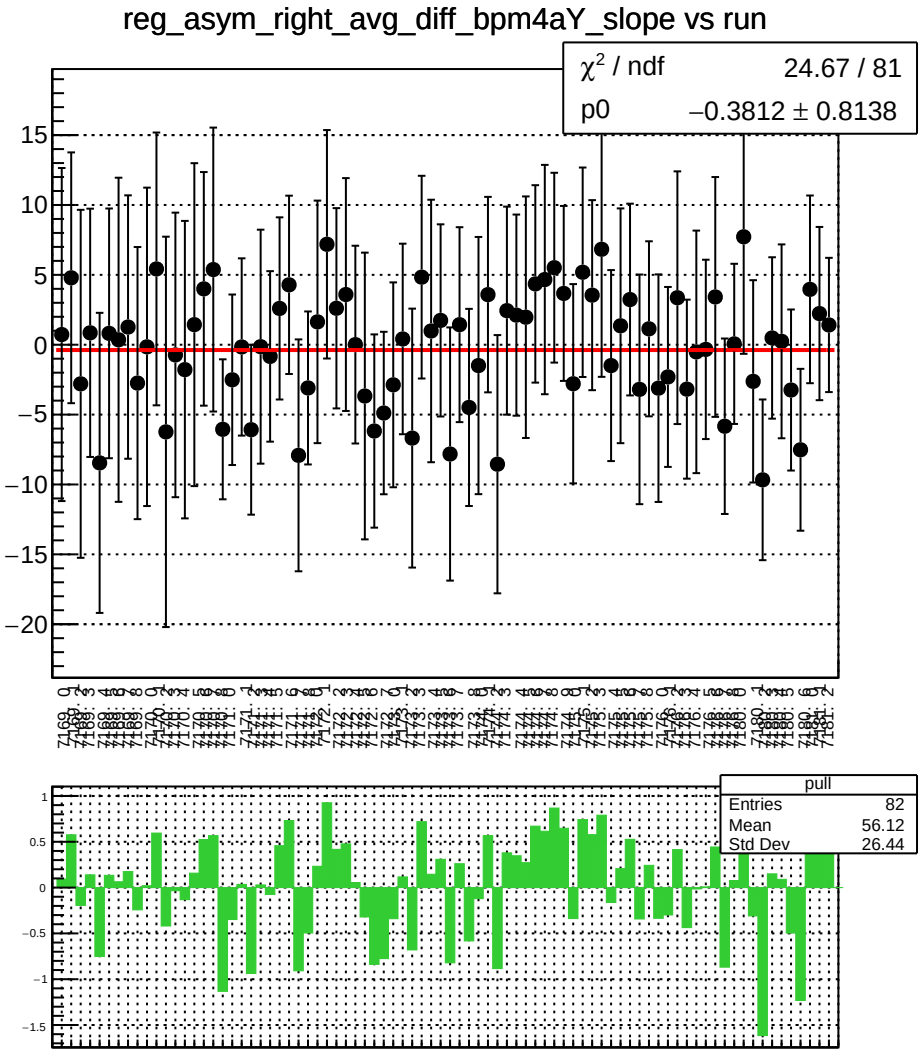

pull1D
Entries 82
Mean 0.003162
Std Dev 0.5777

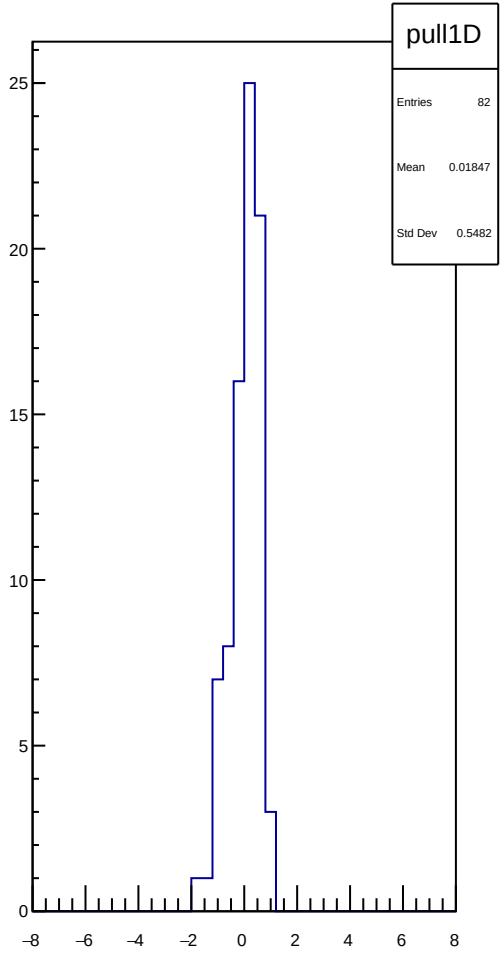

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 74.51 / 81
p0 −19.09 ± 0.04033
pull
Entries 82
Mean −108.3
Std Dev 143.7

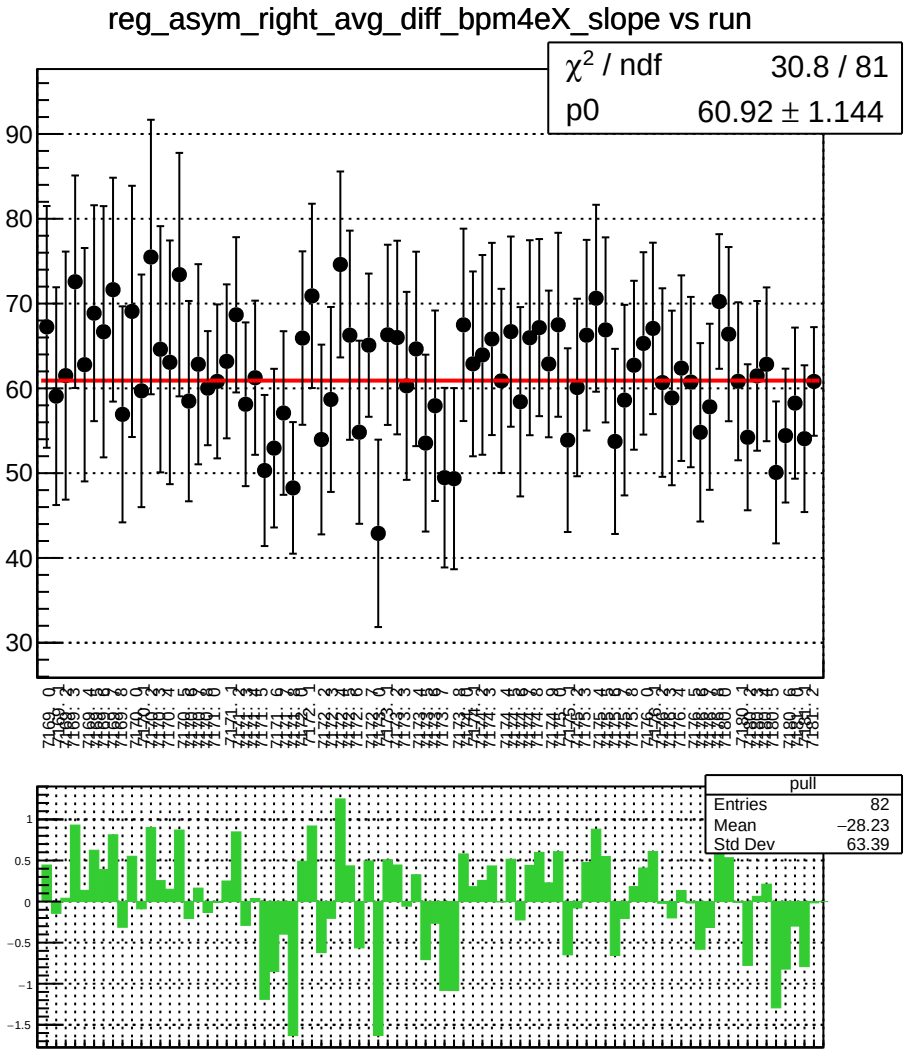

pull1D
Entries 82
Mean −0.06518
Std Dev 0.951

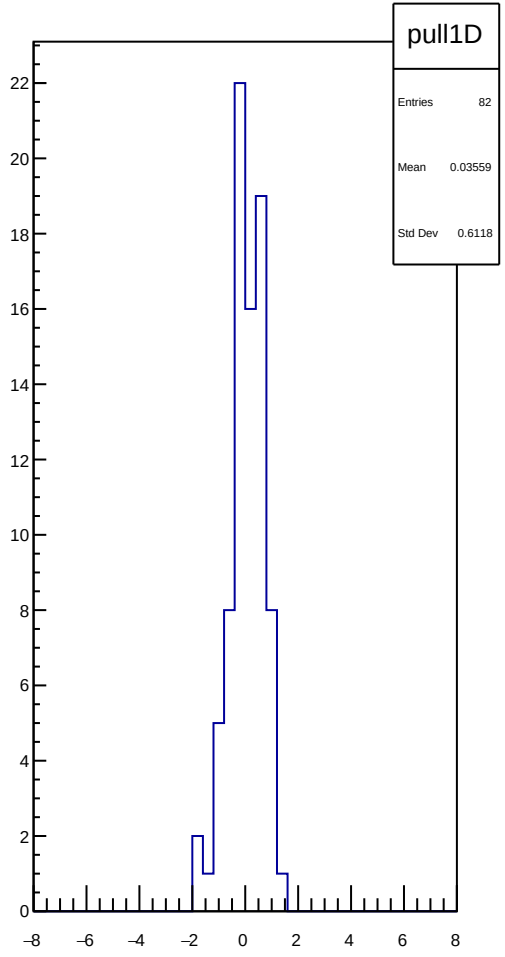

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 30.1 / 81
p0 −32 ± 1.144
pull
Entries 82
Mean −29.07
Std Dev 63.91

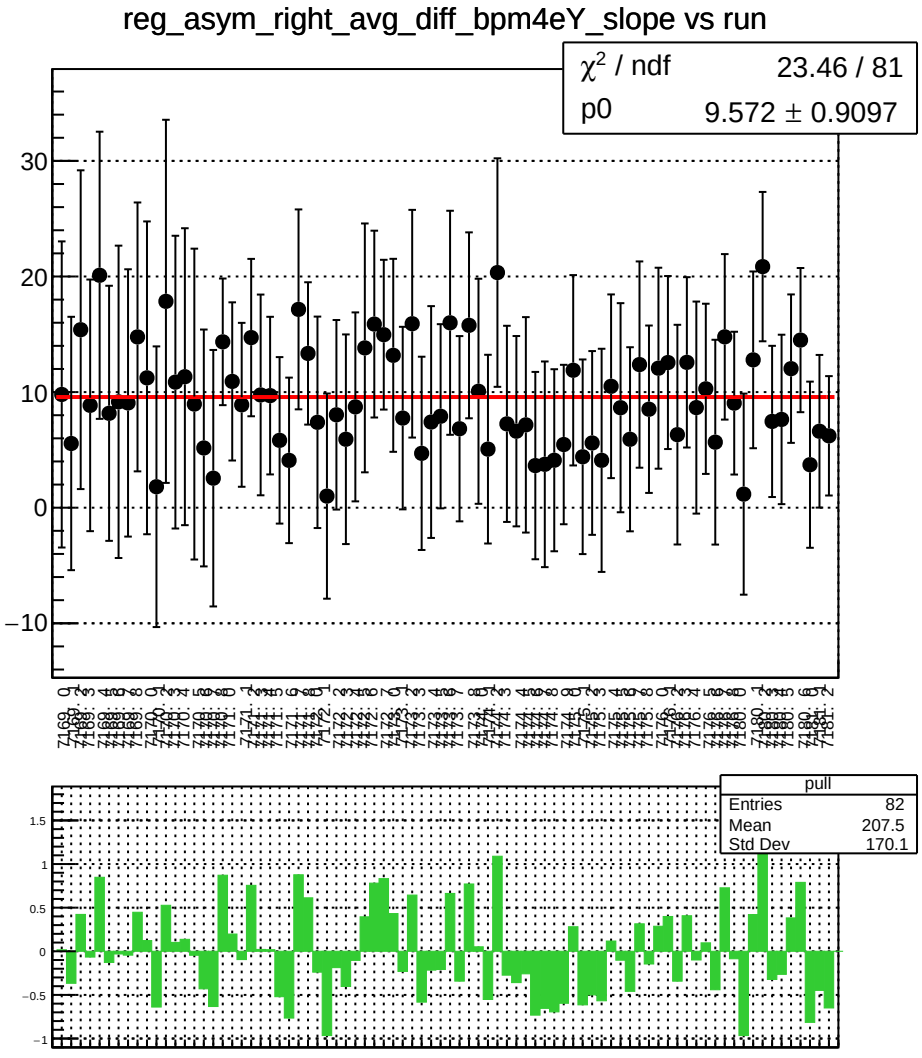

pull1D
Entries 82
Mean −0.03442
Std Dev 0.6049

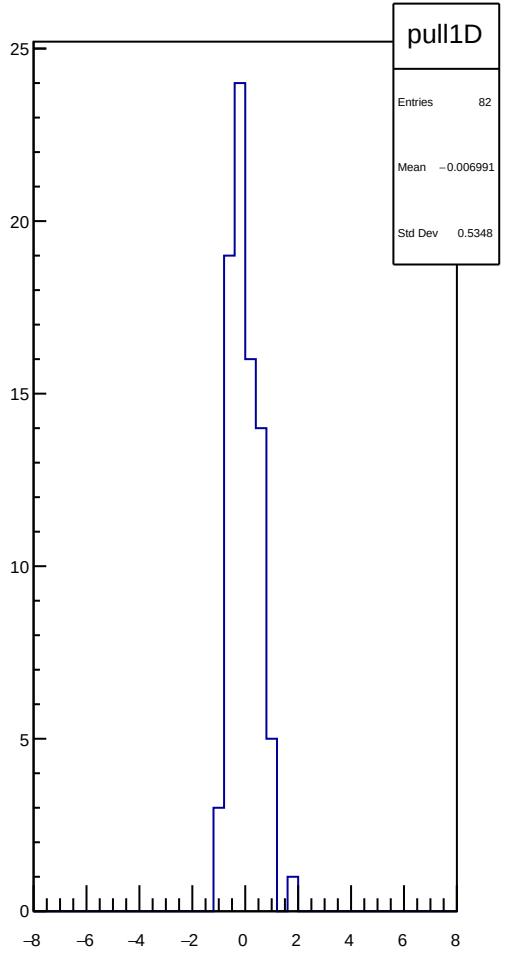

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 24.67 / 81
p0 −0.3812 ± 0.8138
pull
Entries 82
Mean 56.12
Std Dev 26.44

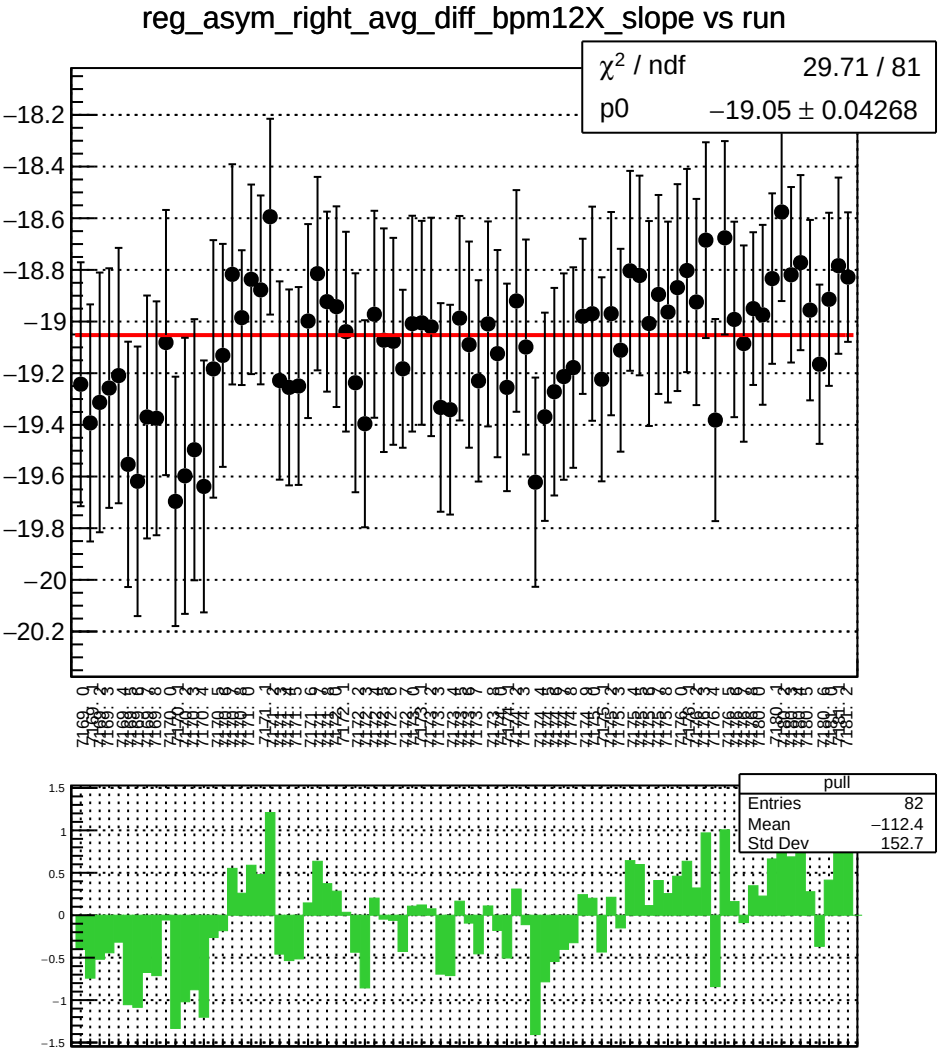

pull1D
Entries 82
Mean 0.01847
Std Dev 0.5482

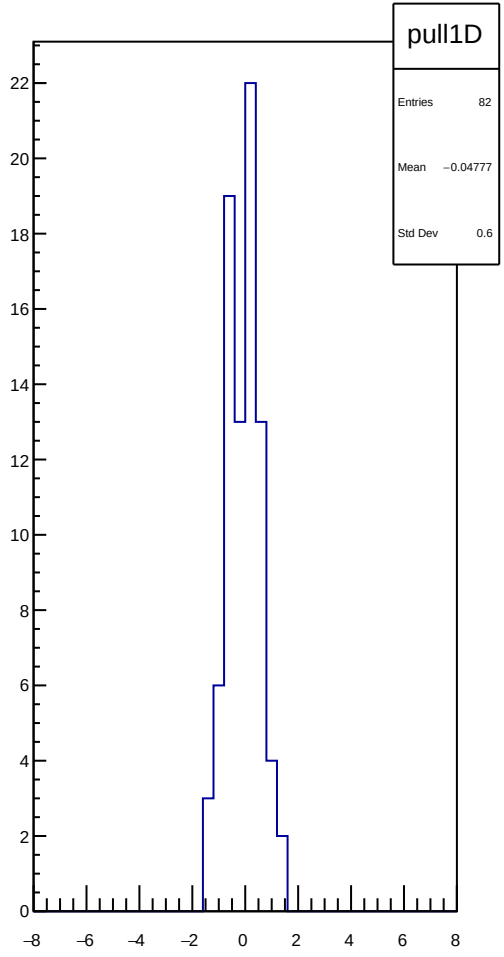

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 30.8 / 81
p0 60.92 ± 1.144
pull
Entries 82
Mean −28.23
Std Dev 63.39

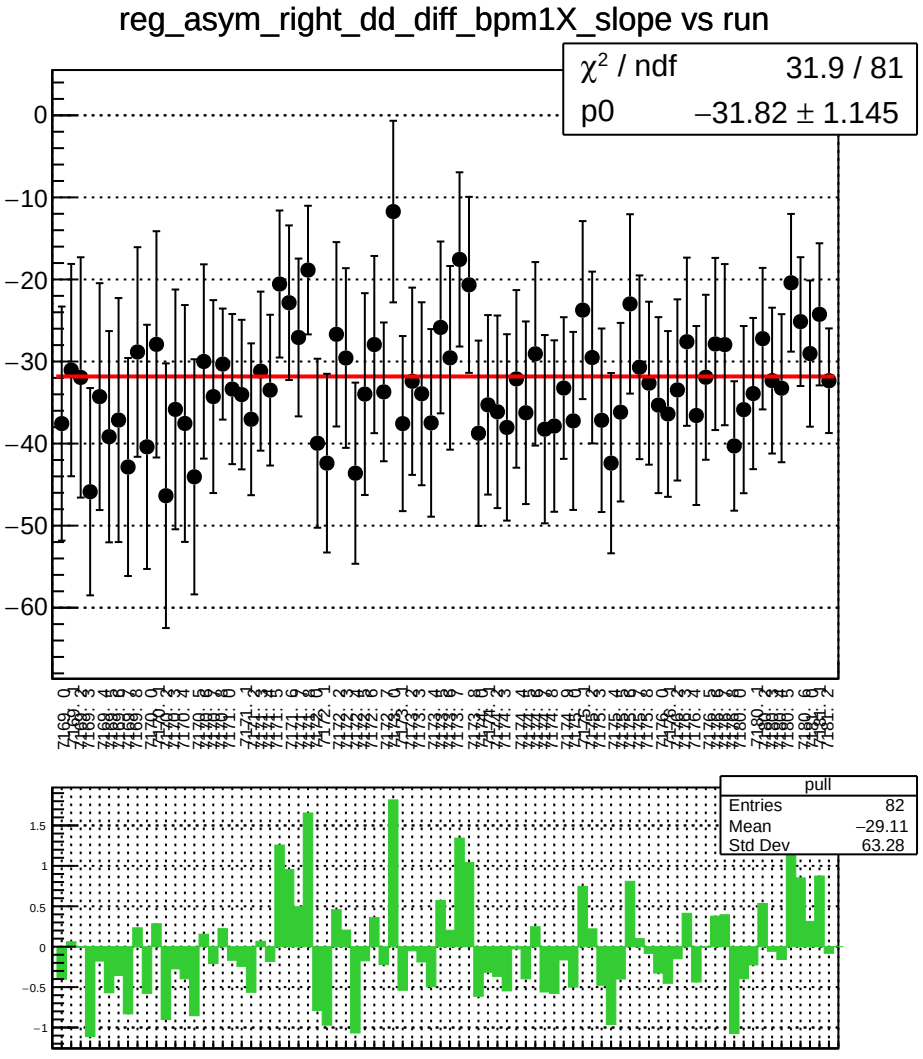

pull1D
Entries 82
Mean 0.03559
Std Dev 0.6118

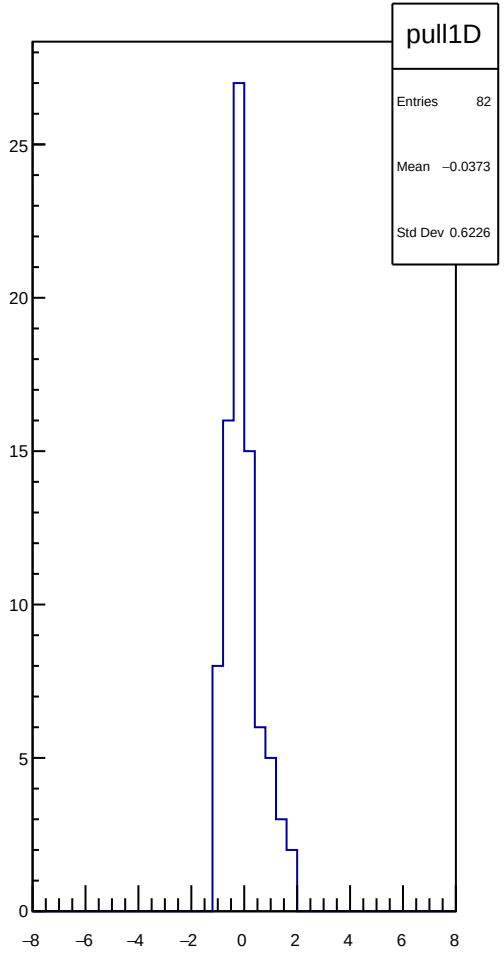

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.46 / 81
p0 9.572 ± 0.9097
pull
Entries 82
Mean 207.5
Std Dev 170.1

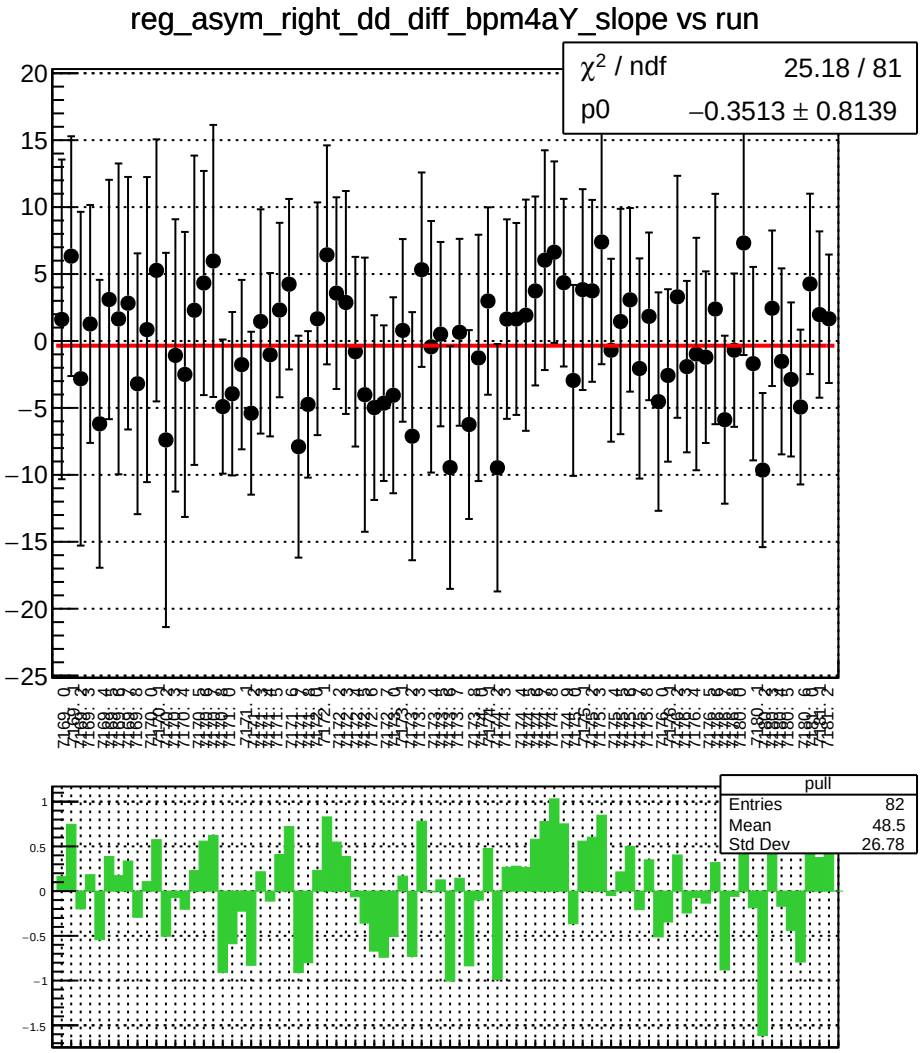

pull1D
Entries 82
Mean −0.006991
Std Dev 0.5348

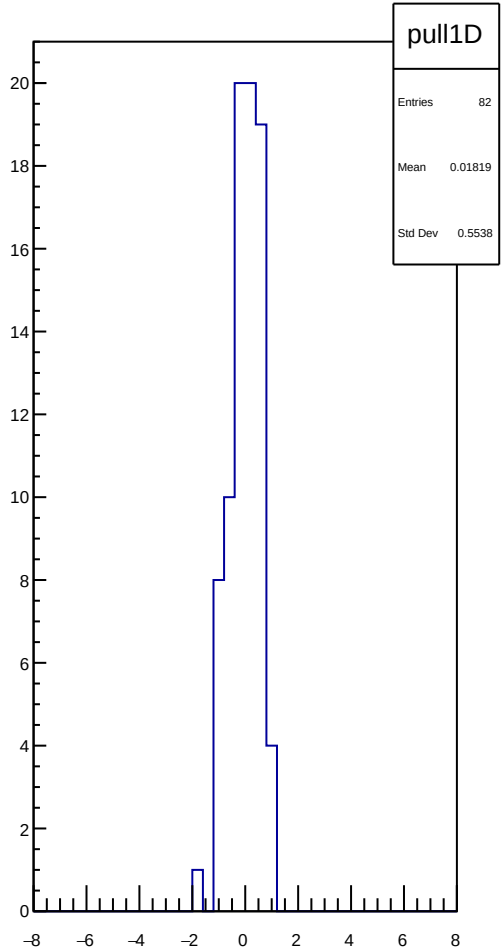

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.71 / 81
p0 −19.05 ± 0.04268
pull
Entries 82
Mean −112.4
Std Dev 152.7

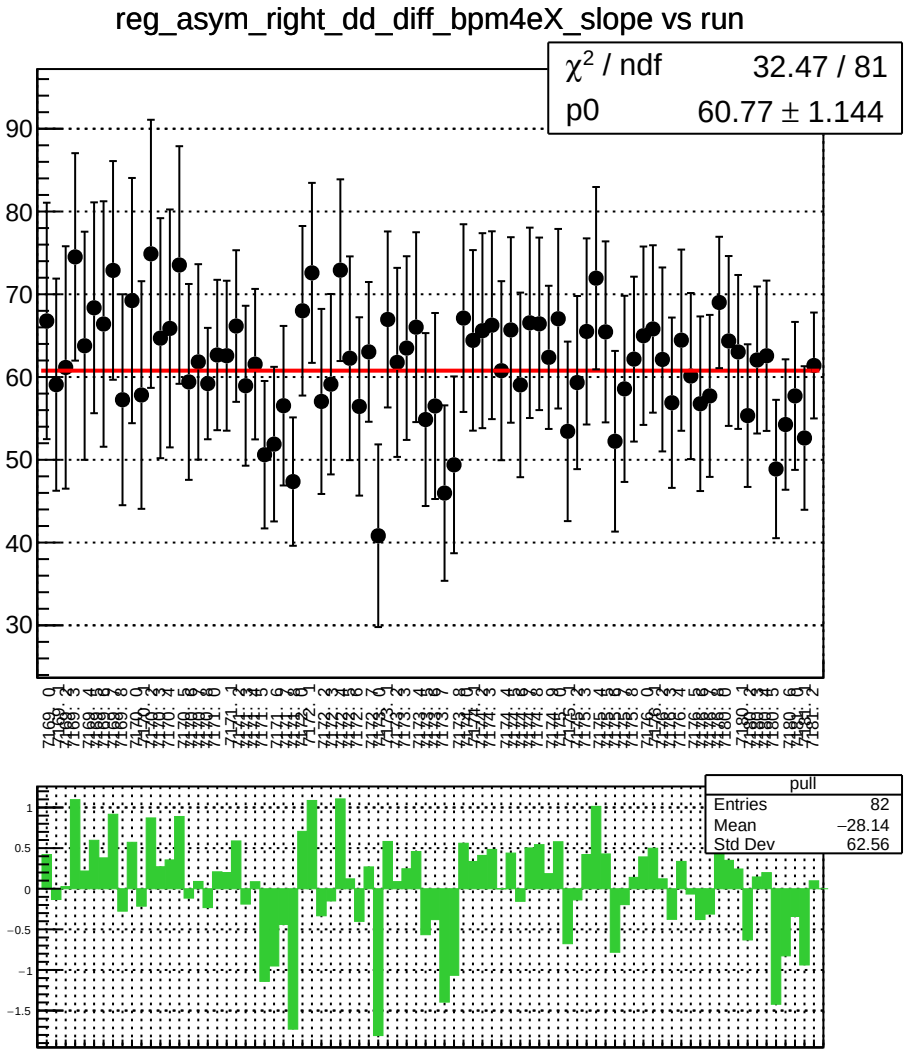

pull1D
Entries 82
Mean −0.04777
Std Dev 0.6

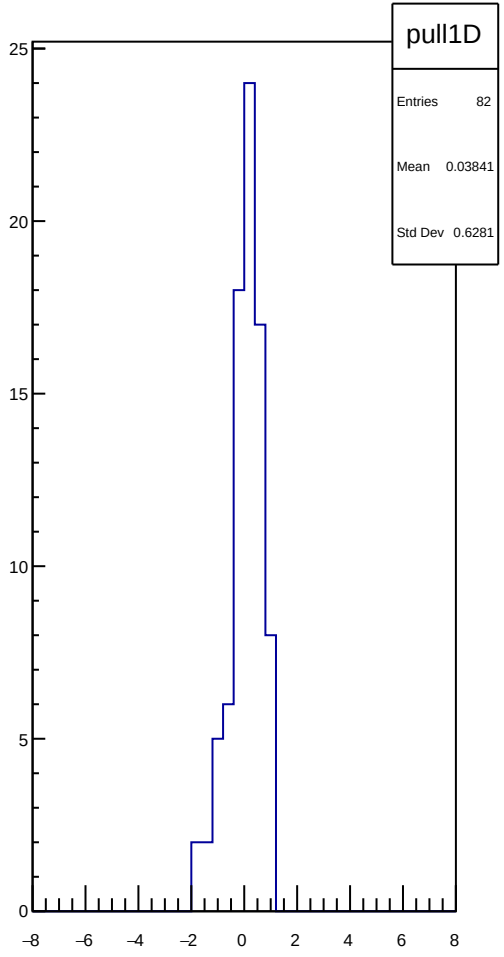

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.9 / 81
p0 −31.82 ± 1.145
pull
Entries 82
Mean −29.11
Std Dev 63.28

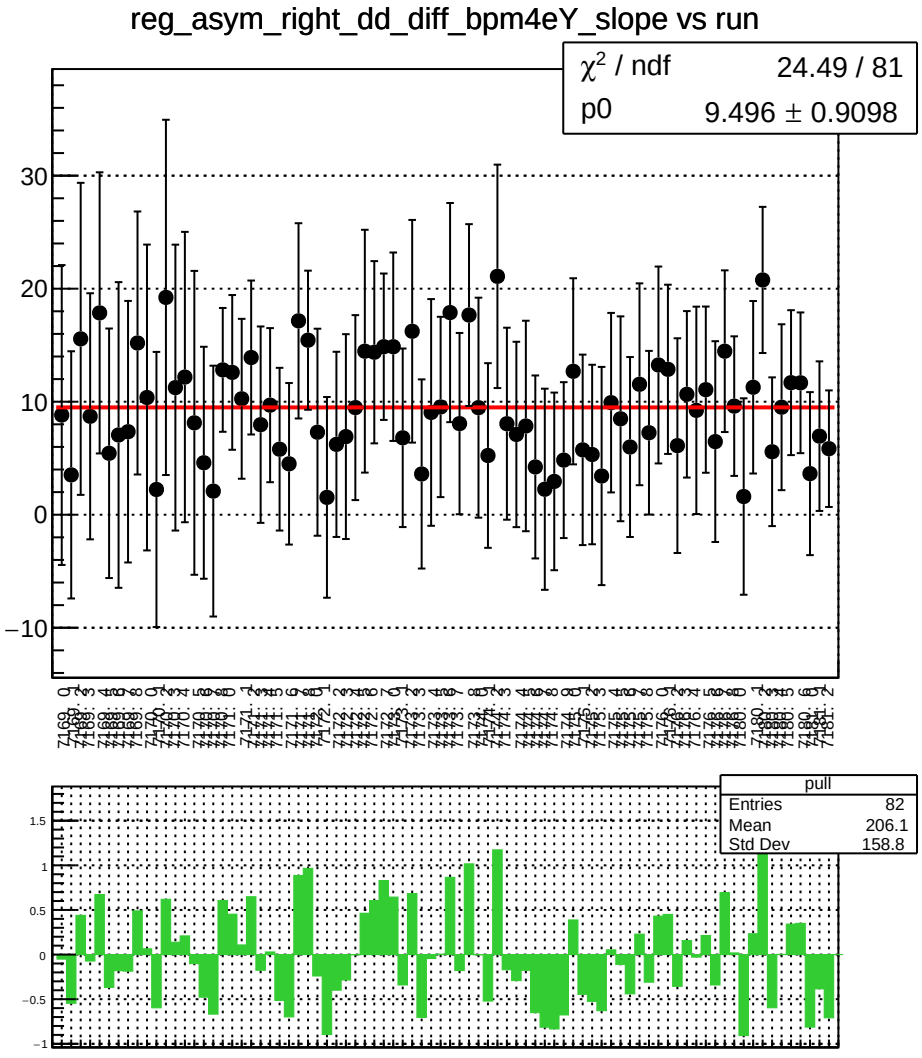

pull1D
Entries 82
Mean −0.0373
Std Dev 0.6226

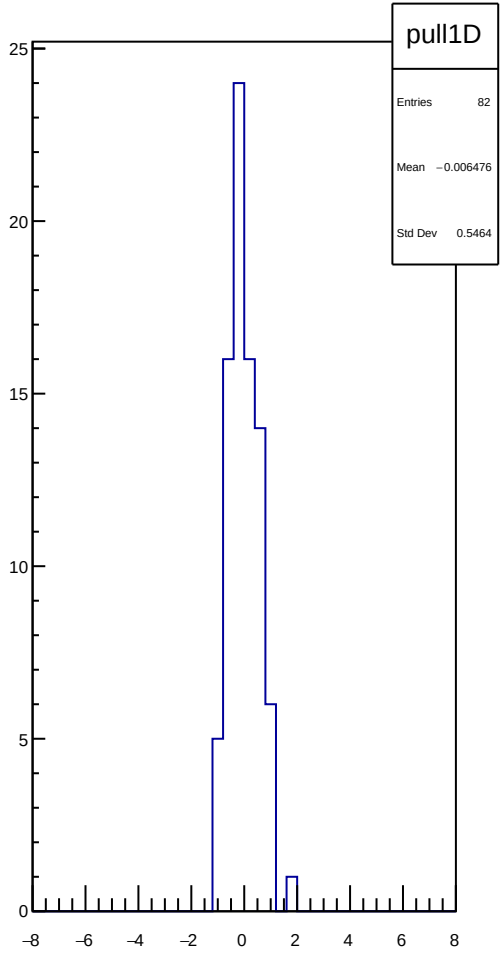

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.18 / 81
p0 −0.3513 ± 0.8139
pull
Entries 82
Mean 48.5
Std Dev 26.78

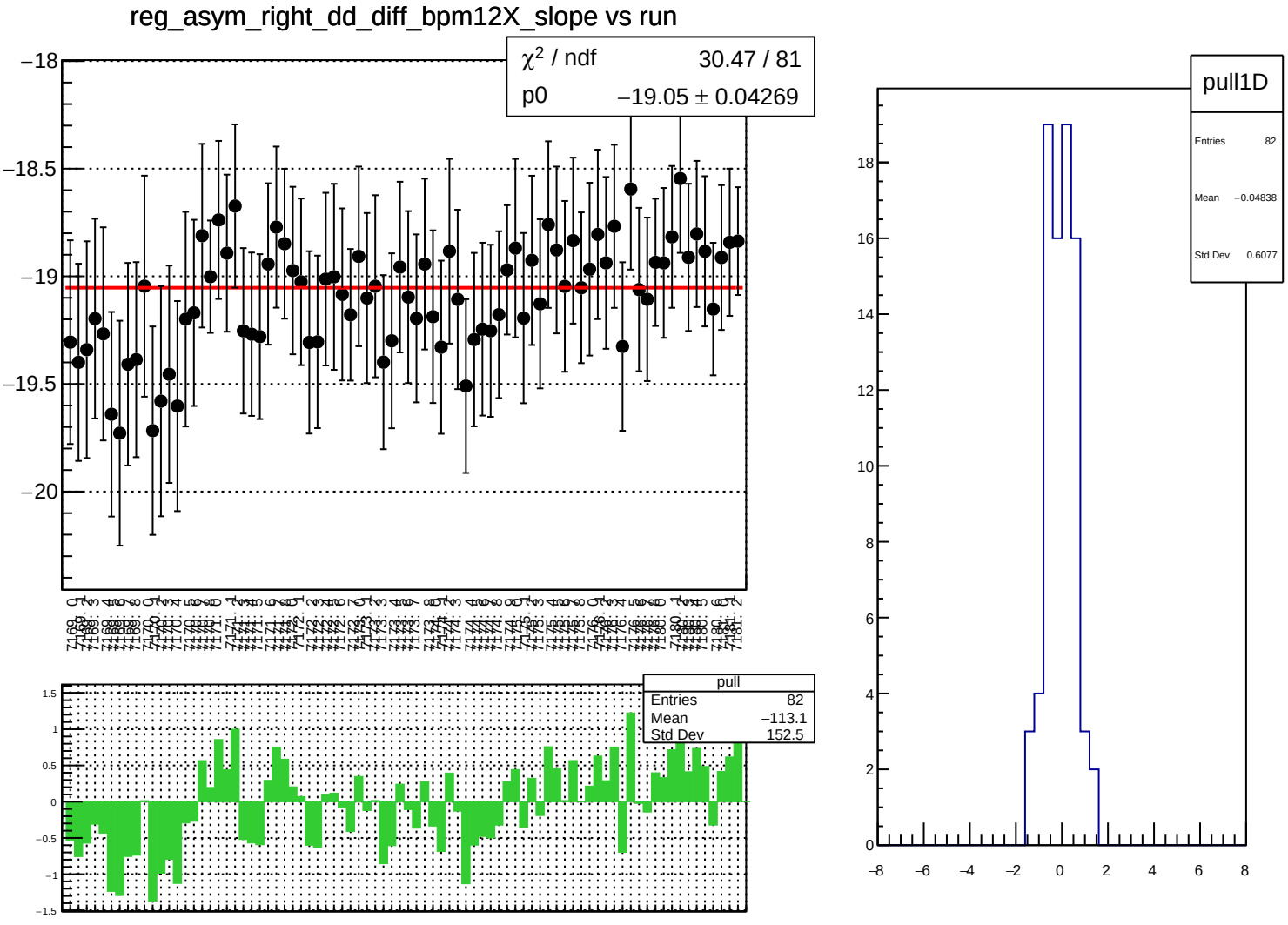

pull1D
Entries 82
Mean 0.01819
Std Dev 0.5538

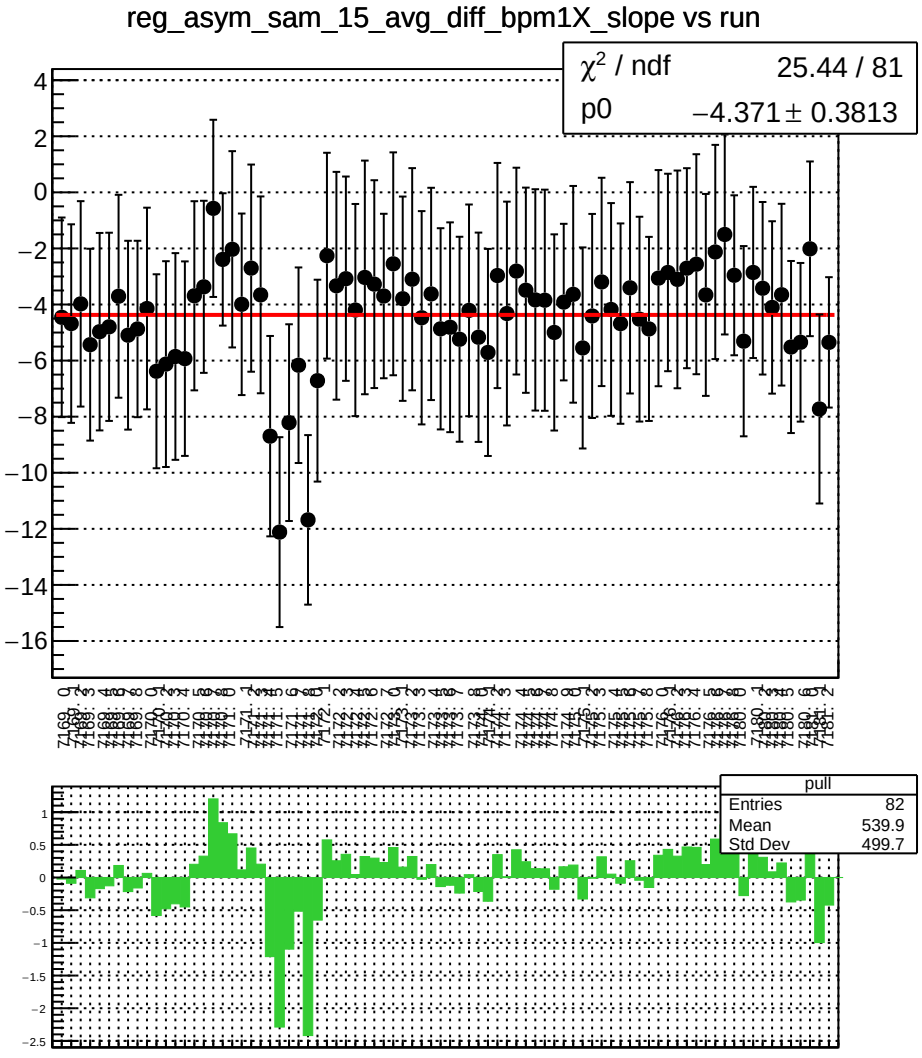

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 32.47 / 81
p0 60.77 ± 1.144
pull
Entries 82
Mean −28.14
Std Dev 62.56

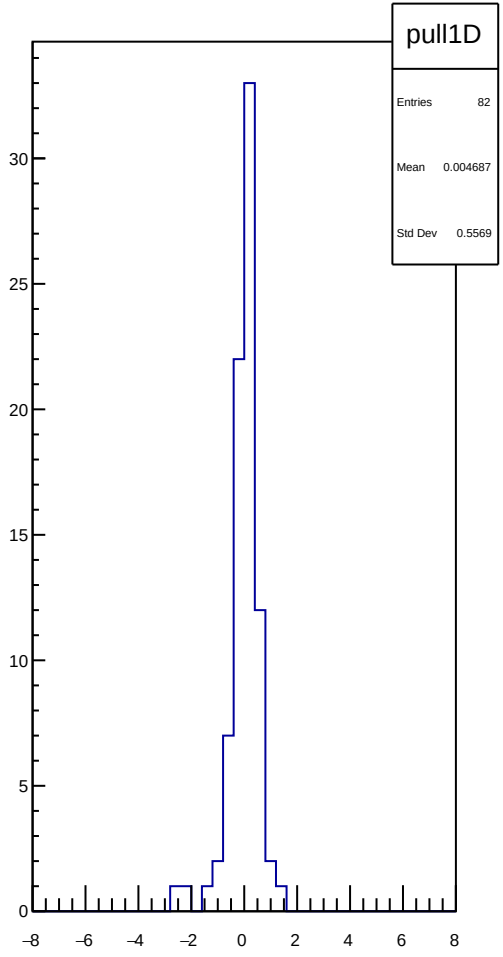

pull1D
Entries 82
Mean 0.03841
Std Dev 0.6281

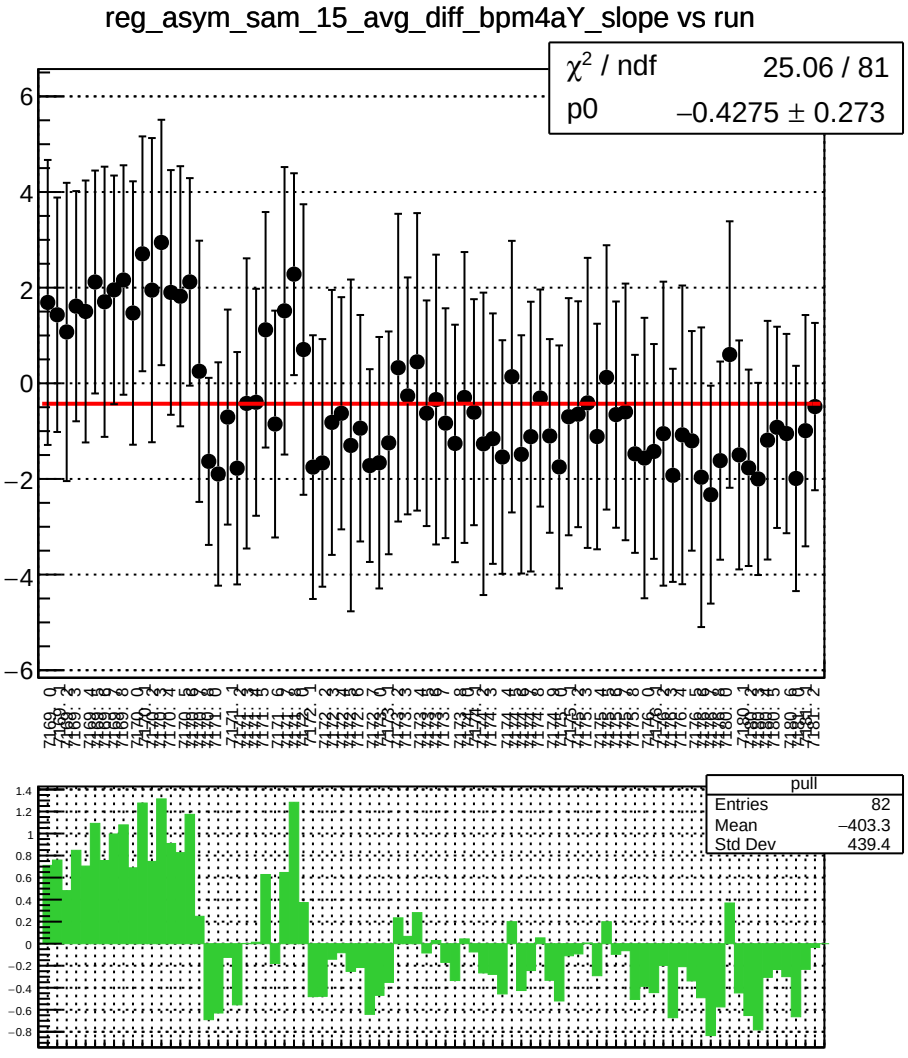

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.49 / 81
p0 9.496 ± 0.9098
pull
Entries 82
Mean 206.1
Std Dev 158.8

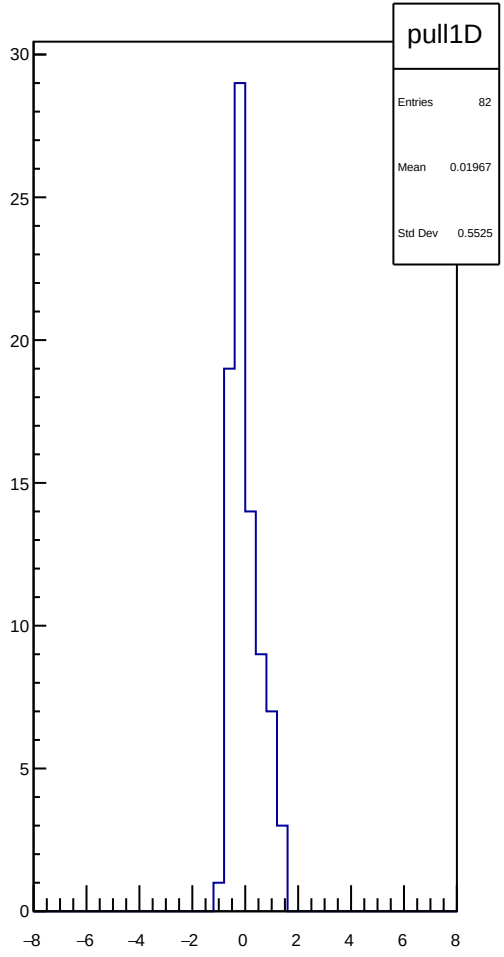

pull1D
Entries 82
Mean −0.006476
Std Dev 0.5464

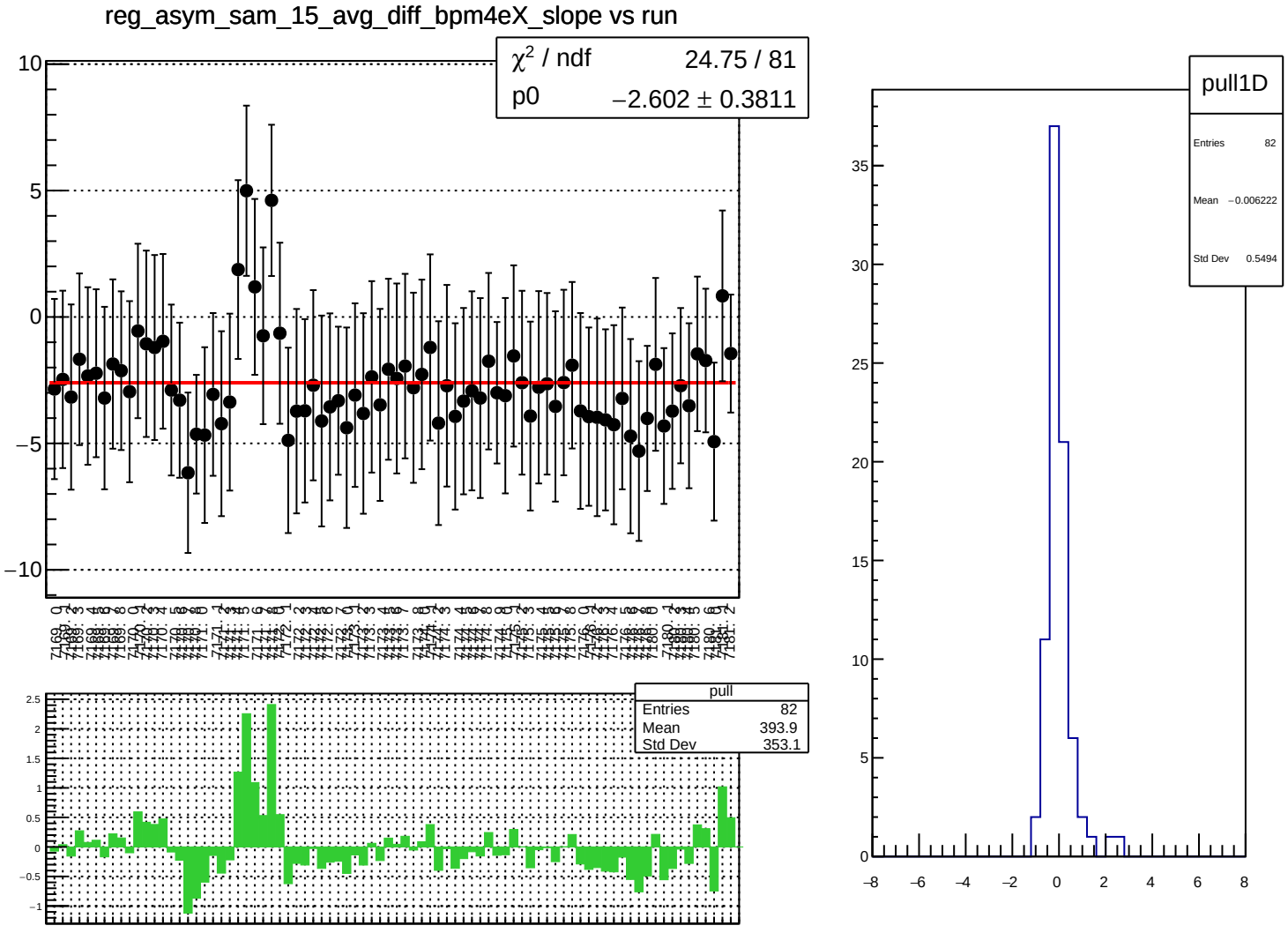

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 30.47 / 81
p0 −19.05 ± 0.04269
pull
Entries 82
Mean −113.1
Std Dev 152.5
pull1D
Entries 82
Mean −0.04838
Std Dev 0.6077

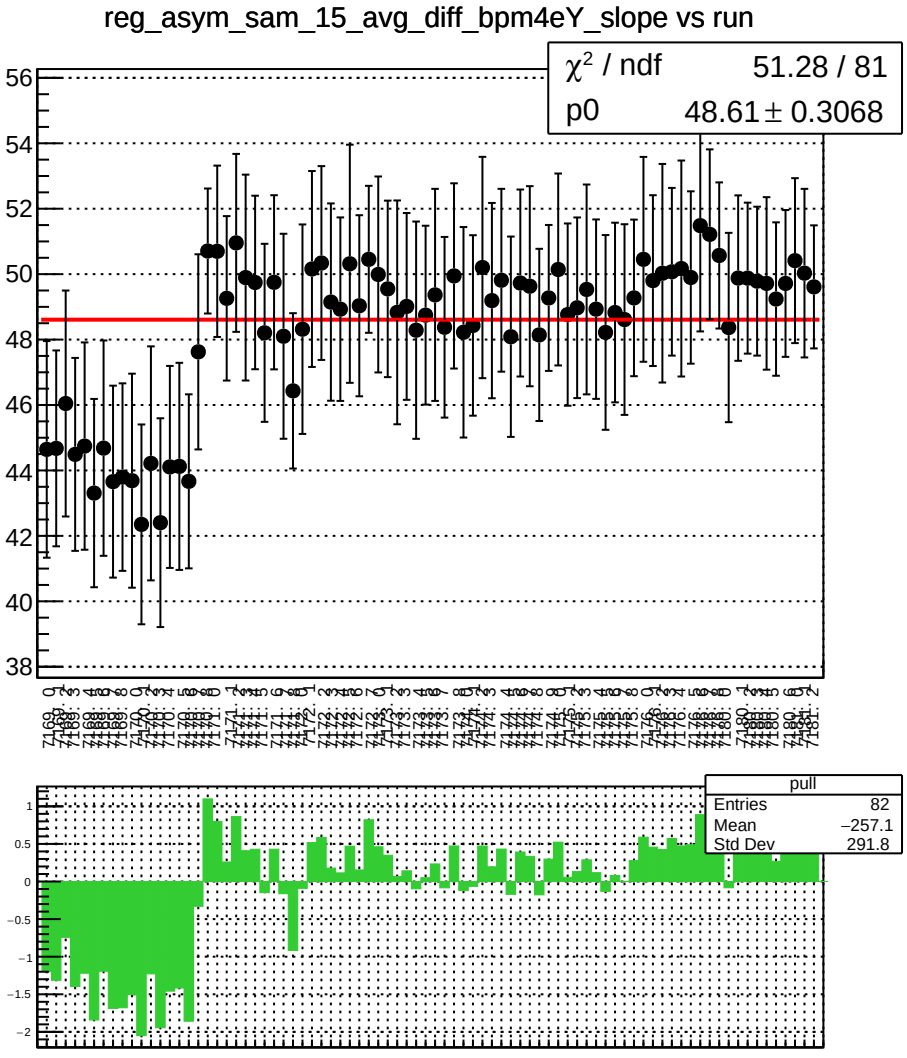

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 25.44 / 81
p0 −4.371 ± 0.3813
pull
Entries 82
Mean 539.9
Std Dev 499.7

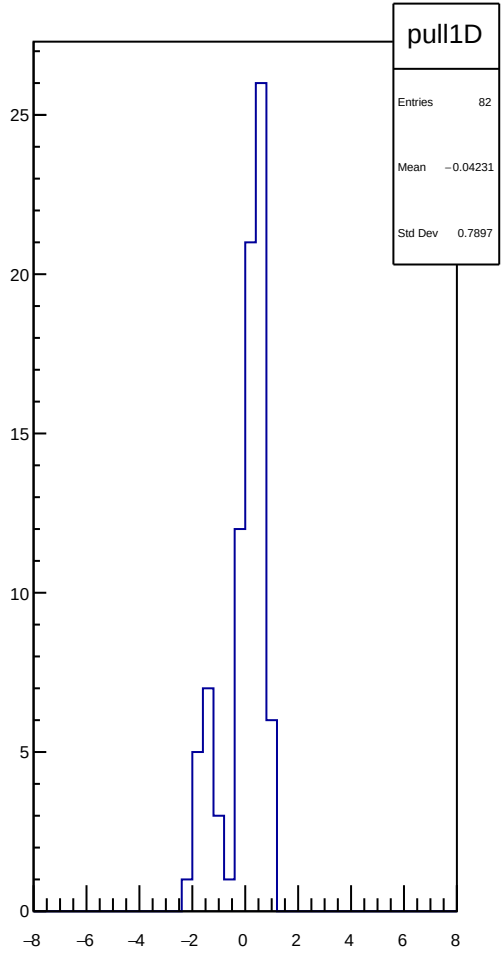

pull1D
Entries 82
Mean 0.004687
Std Dev 0.5569

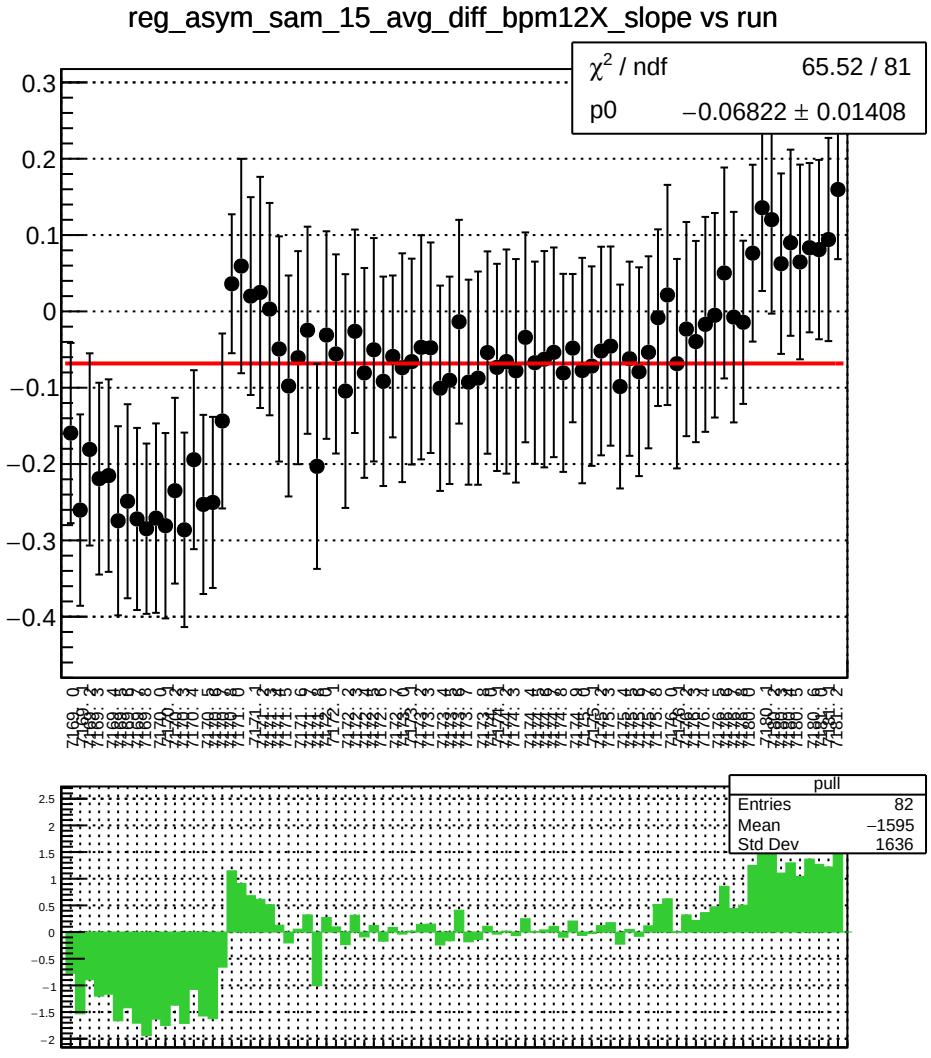

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.06 / 81
p0 −0.4275 ± 0.273
pull
Entries 82
Mean −403.3
Std Dev 439.4

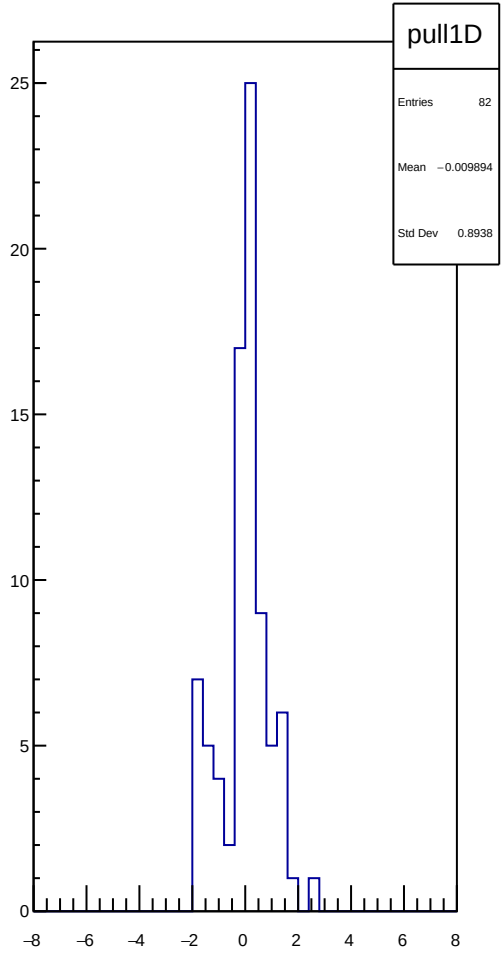

pull1D
Entries 82
Mean 0.01967
Std Dev 0.5525

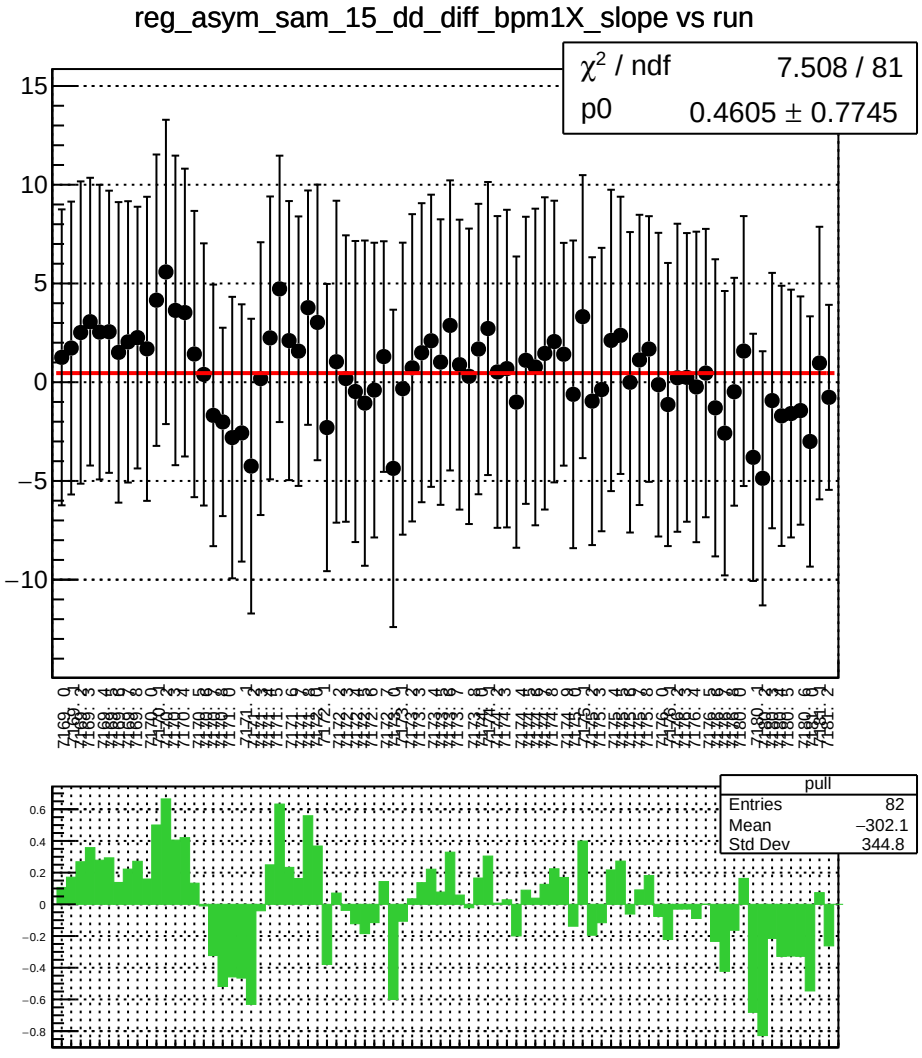

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.75 / 81
p0 −2.602 ± 0.3811
pull
Entries 82
Mean 393.9
Std Dev 353.1
pull1D
Entries 82
Mean −0.006222
Std Dev 0.5494

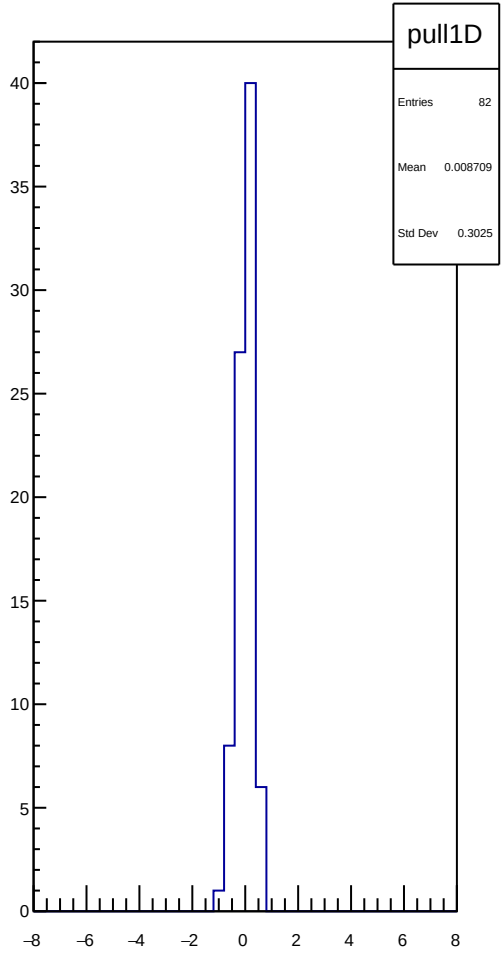

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.28 / 81
p0 48.61 ± 0.3068
pull
Entries 82
Mean −257.1
Std Dev 291.8

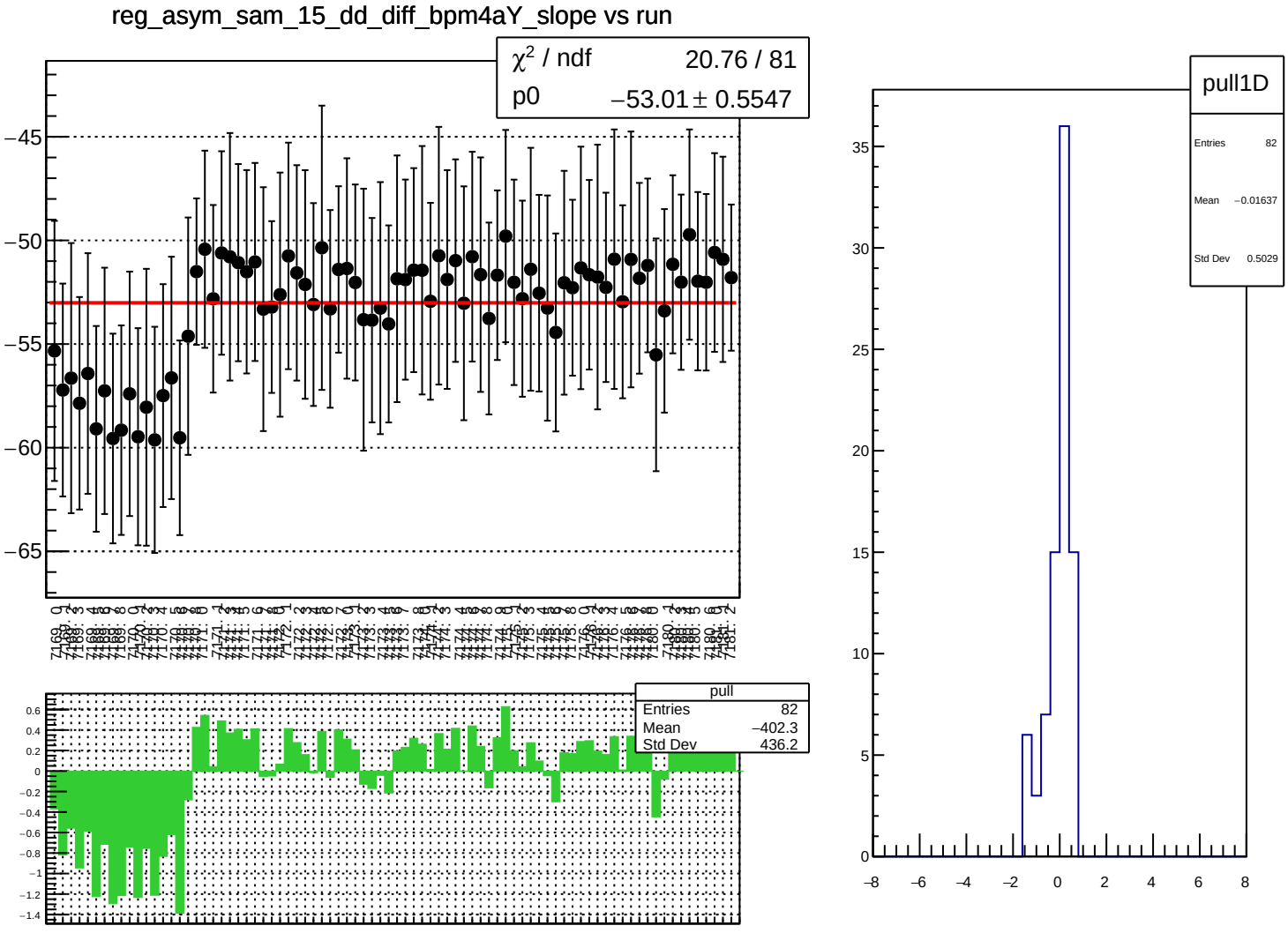

pull1D
Entries 82
Mean −0.04231
Std Dev 0.7897

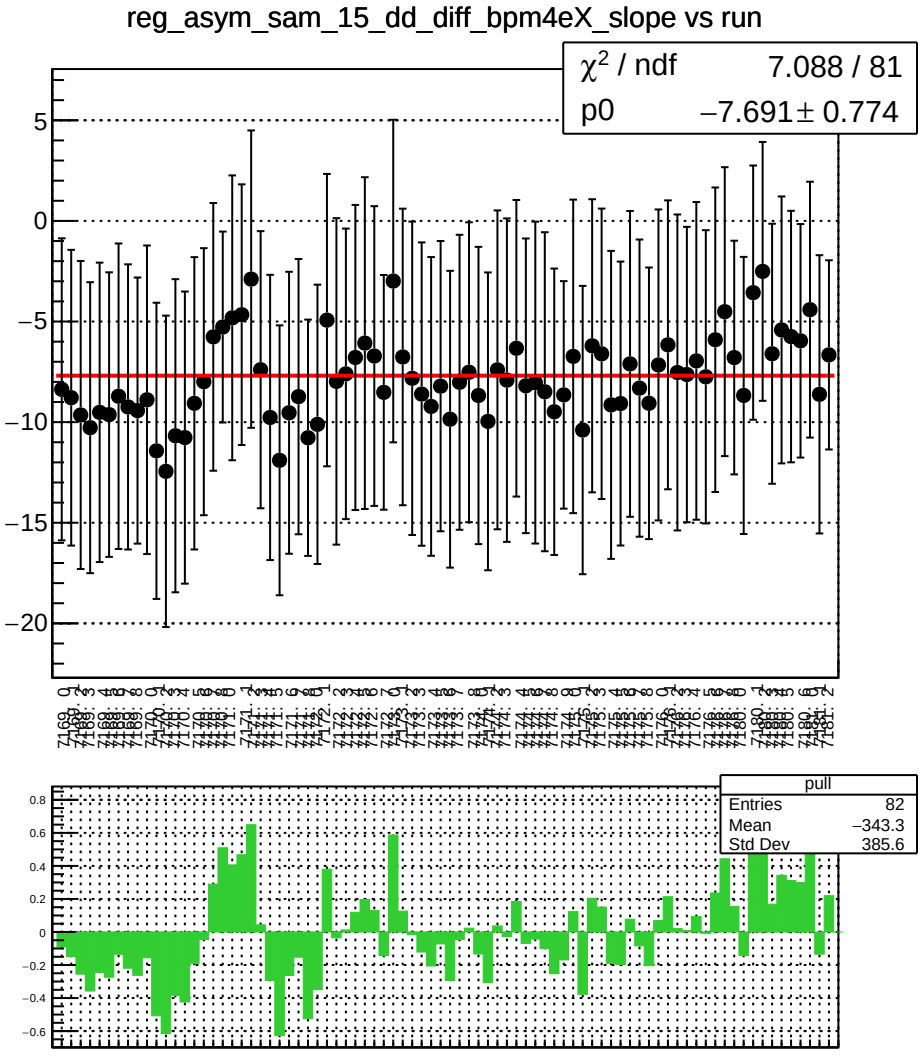

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 65.52 / 81
p0 −0.06822 ± 0.01408
pull
Entries 82
Mean −1595
Std Dev 1636

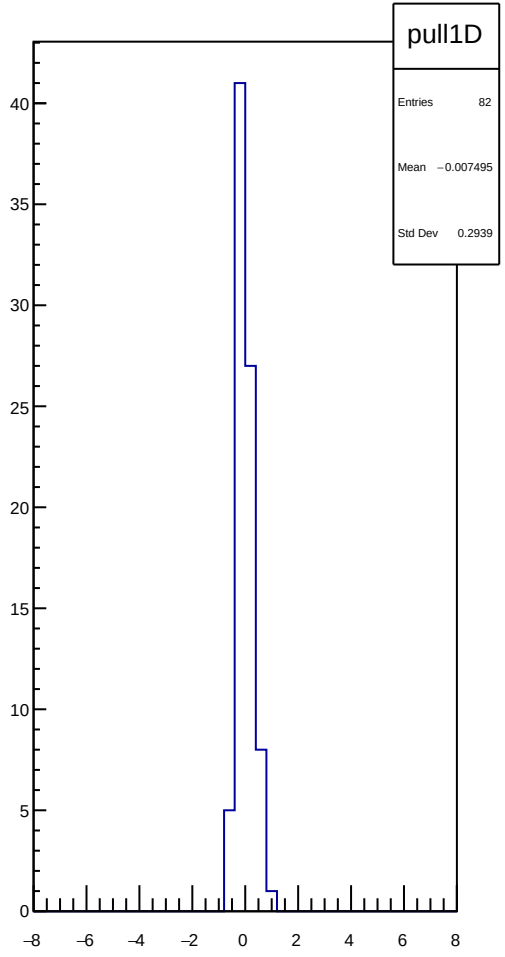

pull1D
Entries 82
Mean −0.009894
Std Dev 0.8938

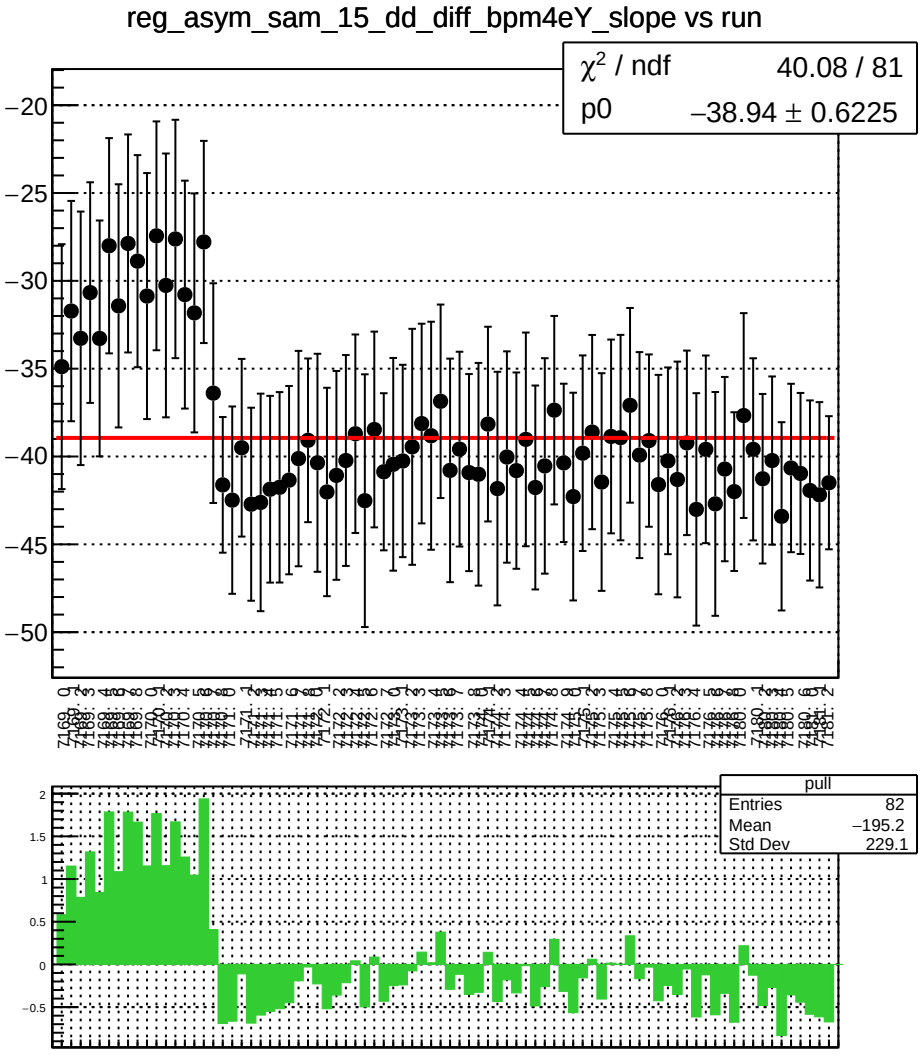

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 7.508 / 81
p0 0.4605 ± 0.7745
pull
Entries 82
Mean −302.1
Std Dev 344.8

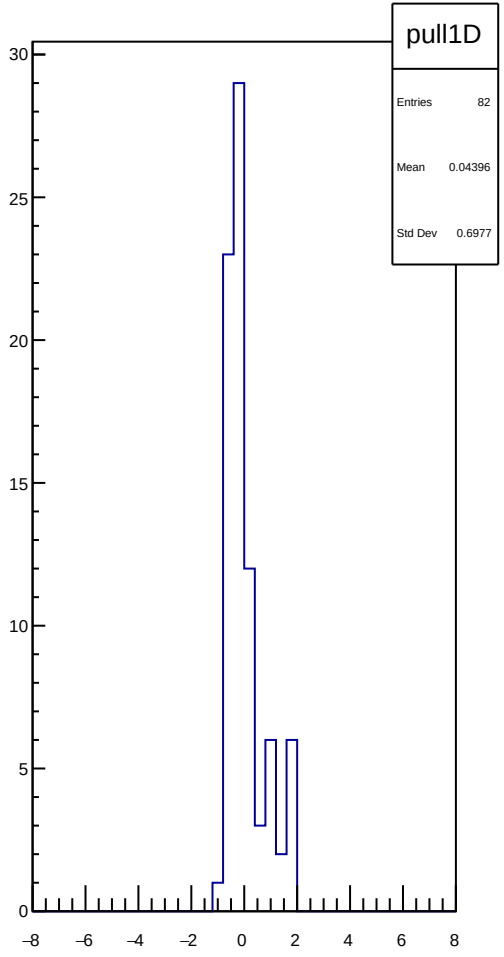

pull1D
Entries 82
Mean 0.008709
Std Dev 0.3025

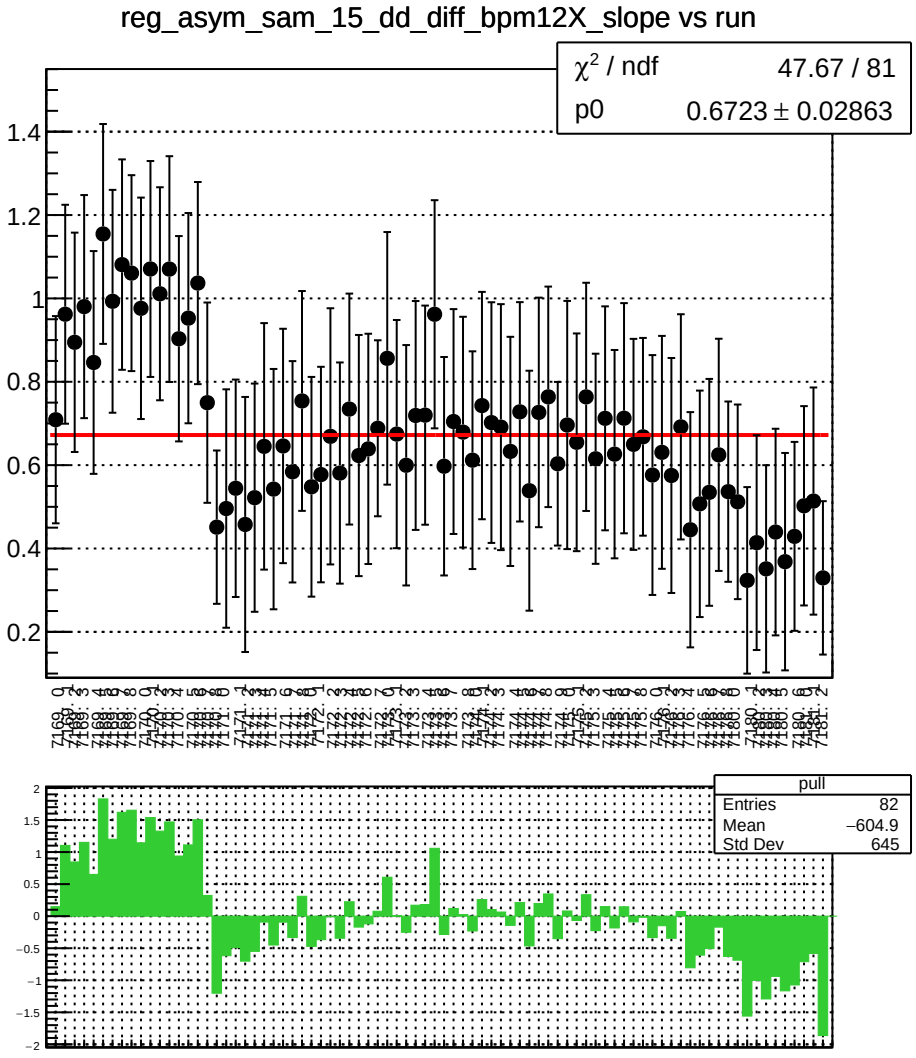

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.76 / 81
p0 −53.01 ± 0.5547
pull
Entries 82
Mean −402.3
Std Dev 436.2
pull1D
Entries 82
Mean −0.01637
Std Dev 0.5029

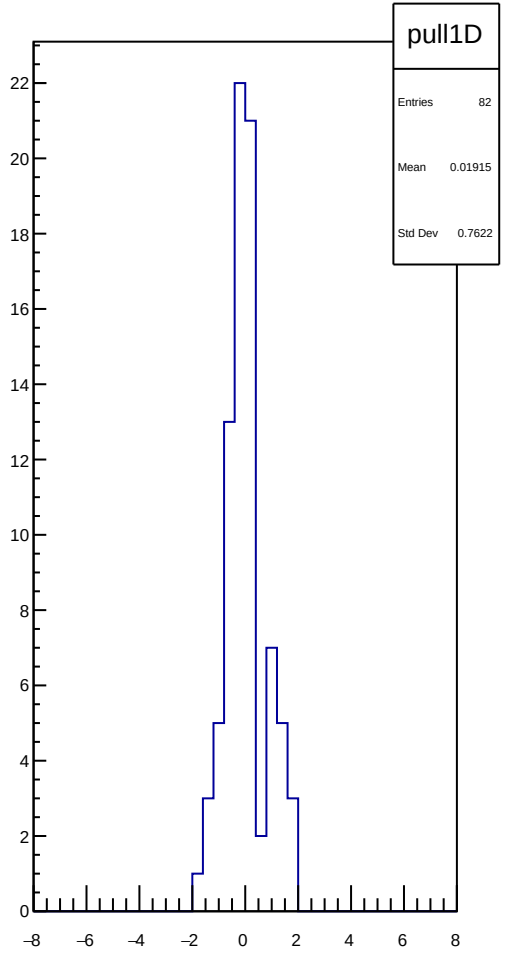

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.088 / 81
p0 −7.691 ± 0.774
pull
Entries 82
Mean −343.3
Std Dev 385.6

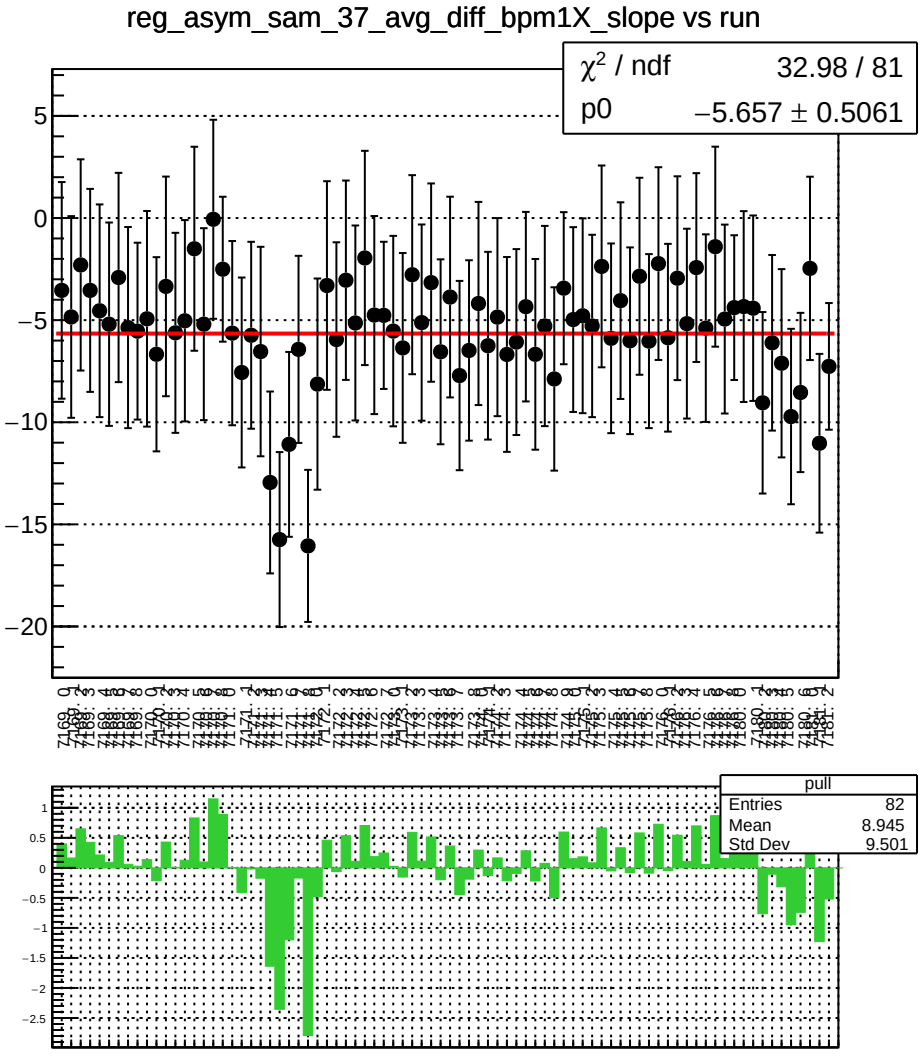

pull1D
Entries 82
Mean −0.007495
Std Dev 0.2939

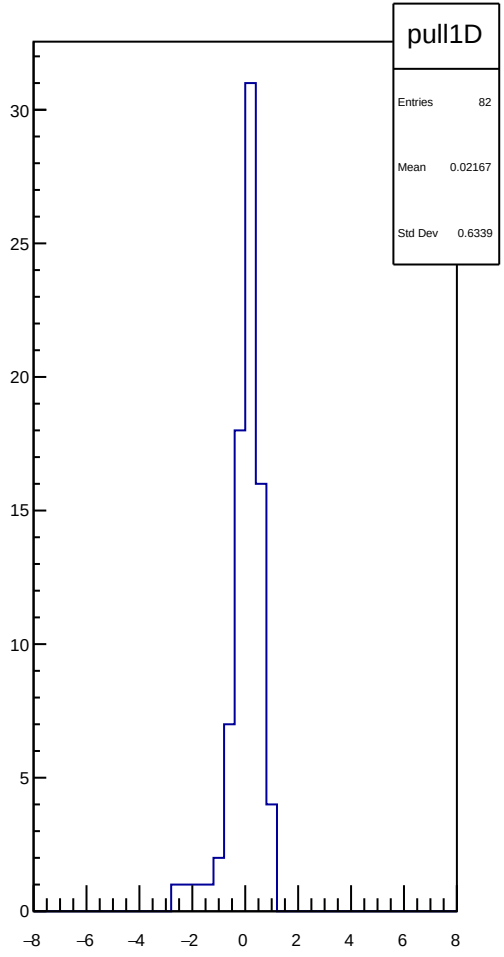

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.08 / 81
p0 −38.94 ± 0.6225
pull
Entries 82
Mean −195.2
Std Dev 229.1

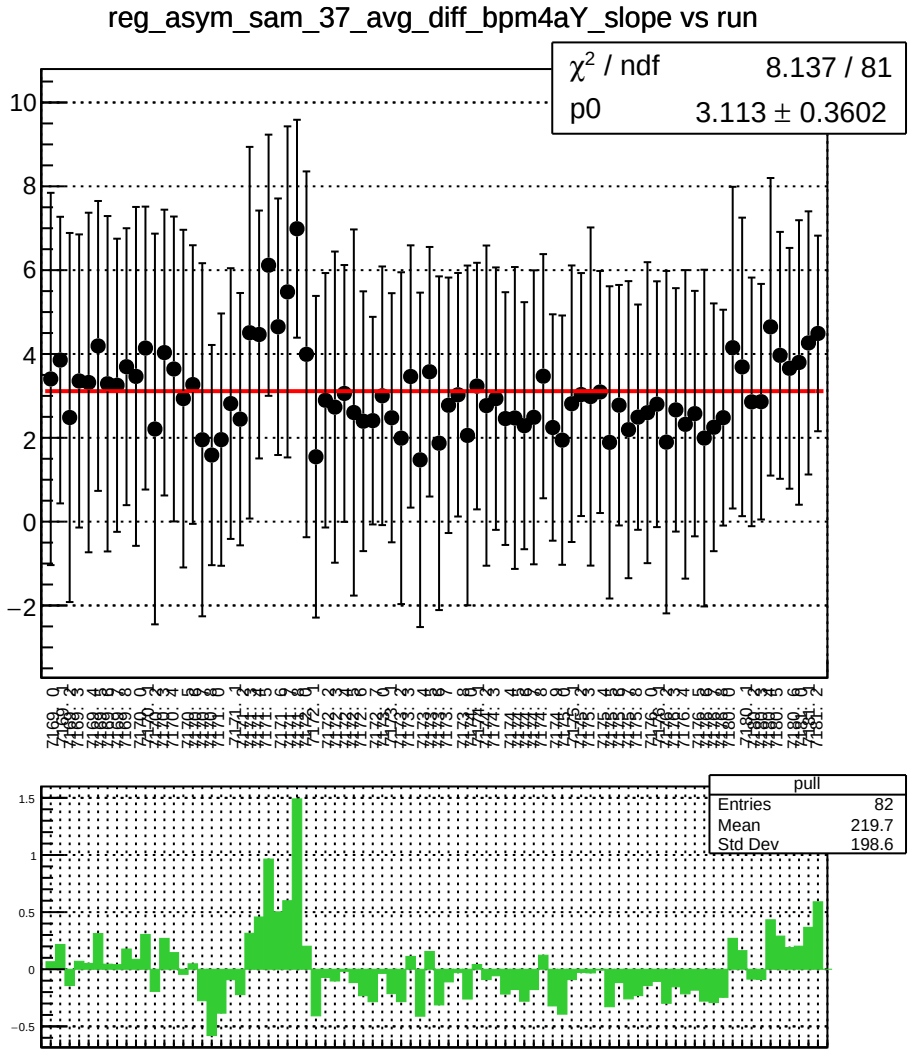

pull1D
Entries 82
Mean 0.04396
Std Dev 0.6977

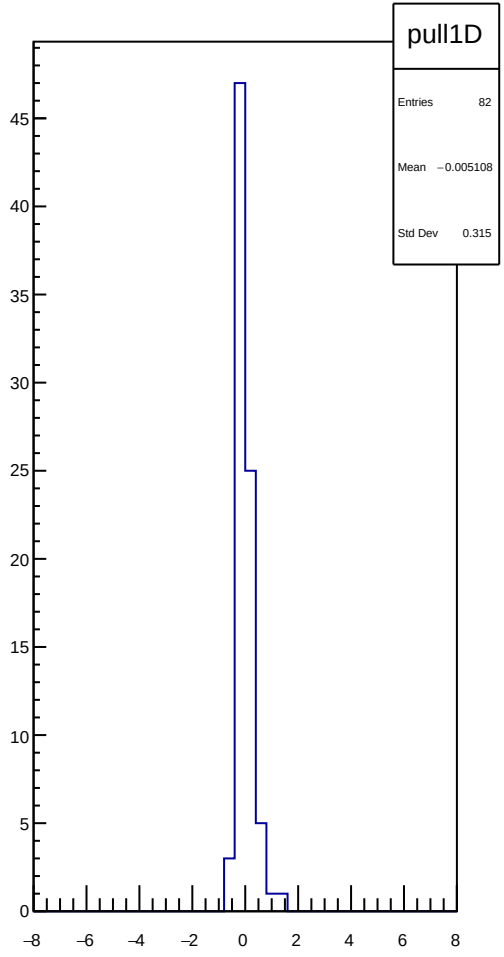

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 47.67 / 81
p0 0.6723 ± 0.02863
pull
Entries 82
Mean −604.9
Std Dev 645

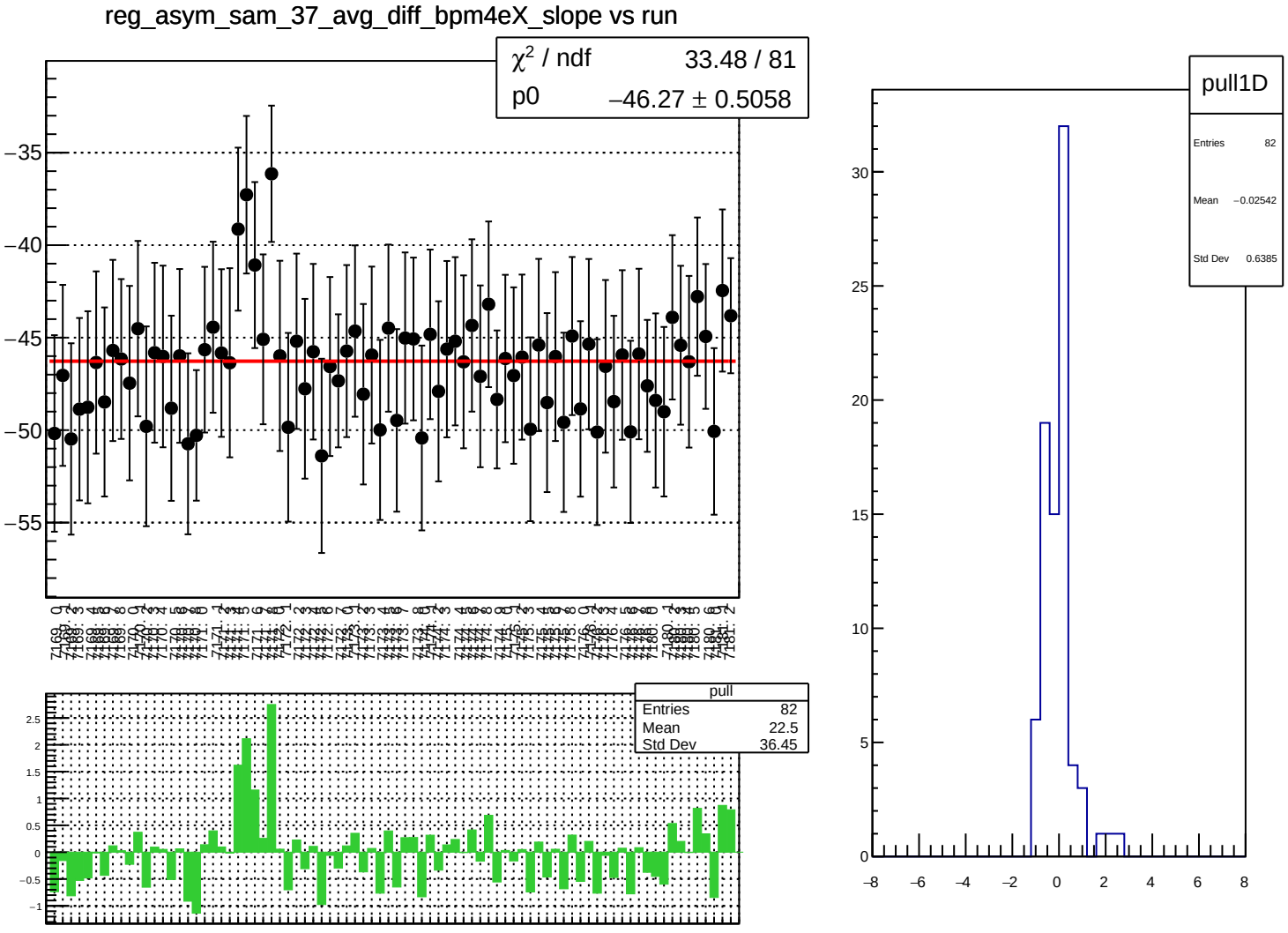

pull1D
Entries 82
Mean 0.01915
Std Dev 0.7622

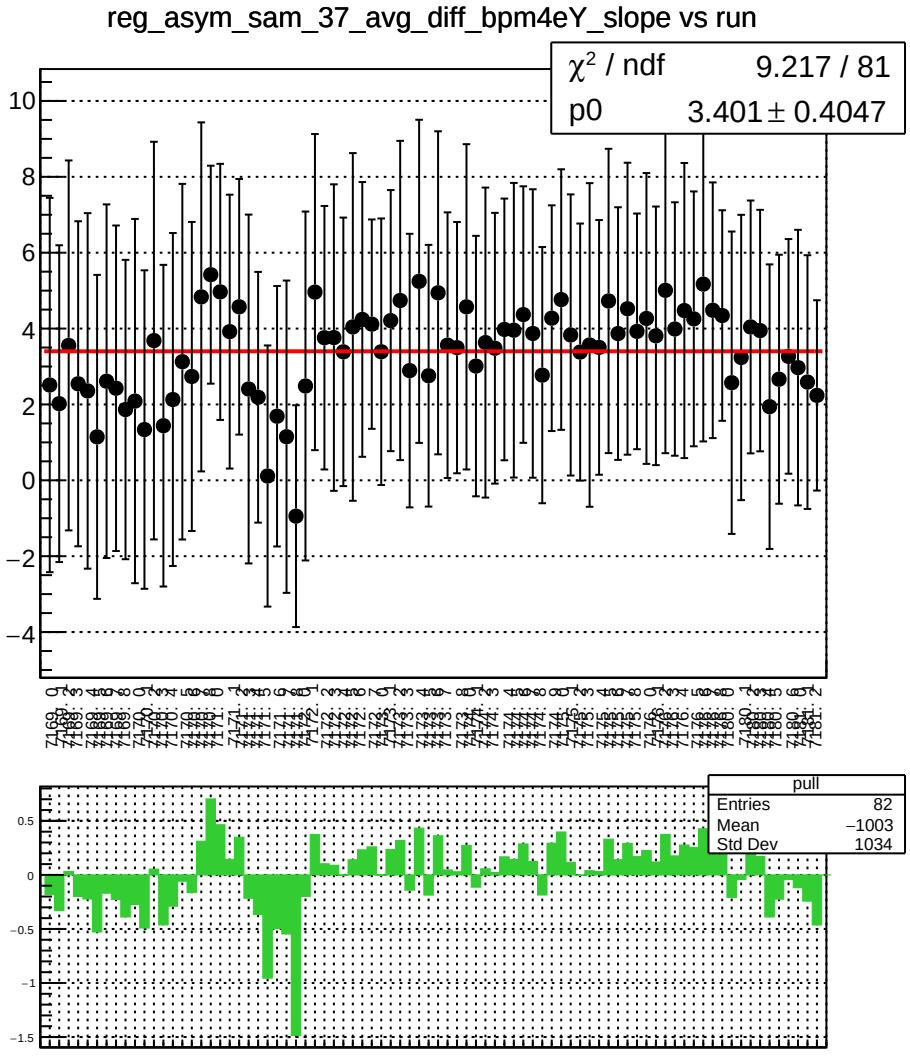

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 32.98 / 81
p0 −5.657 ± 0.5061
pull
Entries 82
Mean 8.945
Std Dev 9.501

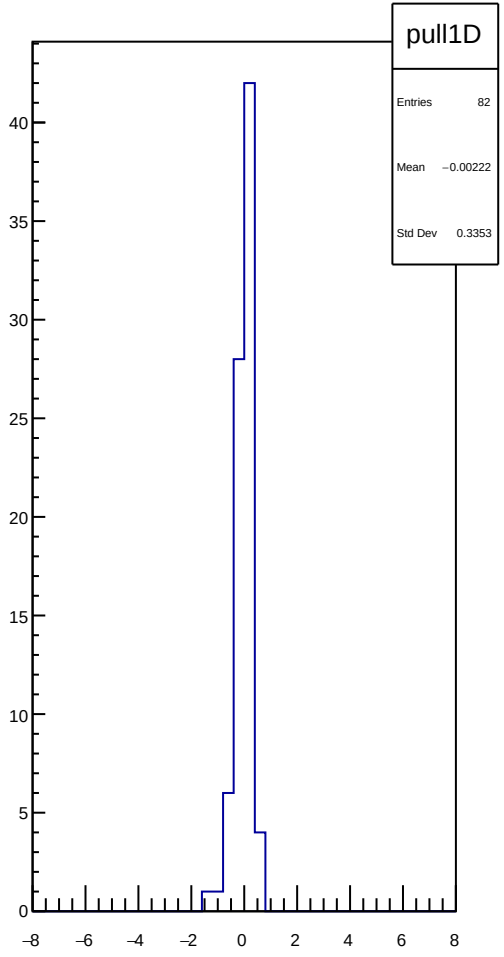

pull1D
Entries 82
Mean 0.02167
Std Dev 0.6339

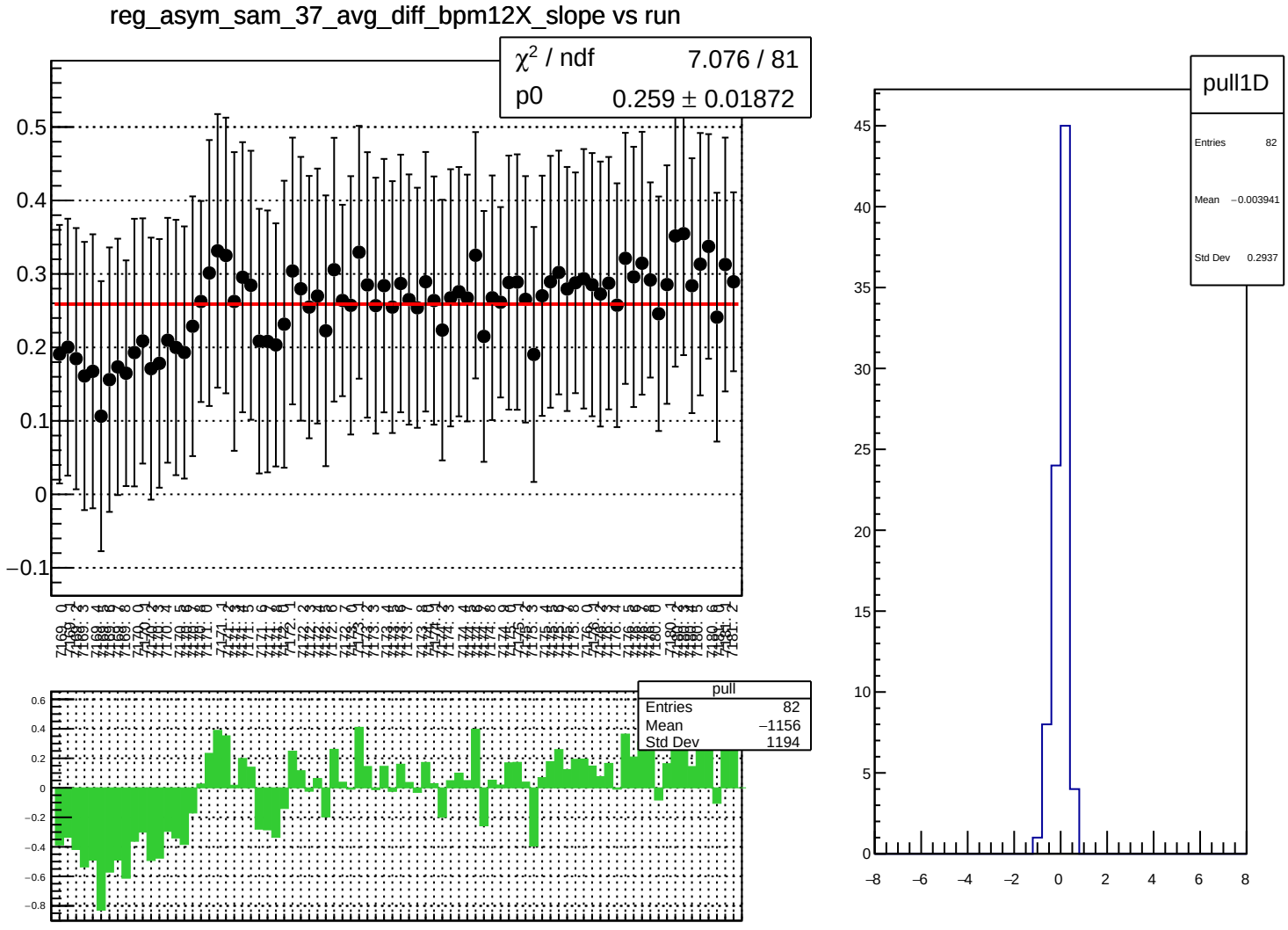

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.137 / 81
p0 3.113 ± 0.3602
pull
Entries 82
Mean 219.7
Std Dev 198.6

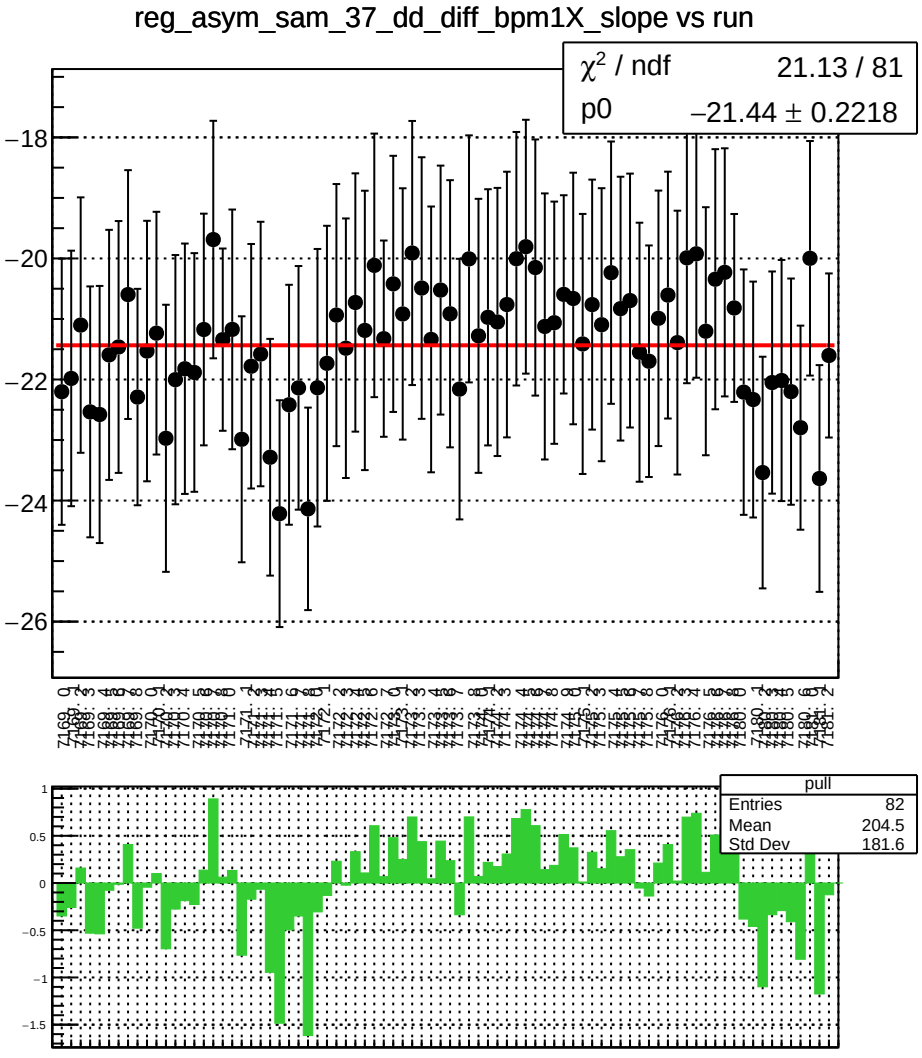

pull1D
Entries 82
Mean −0.005108
Std Dev 0.315

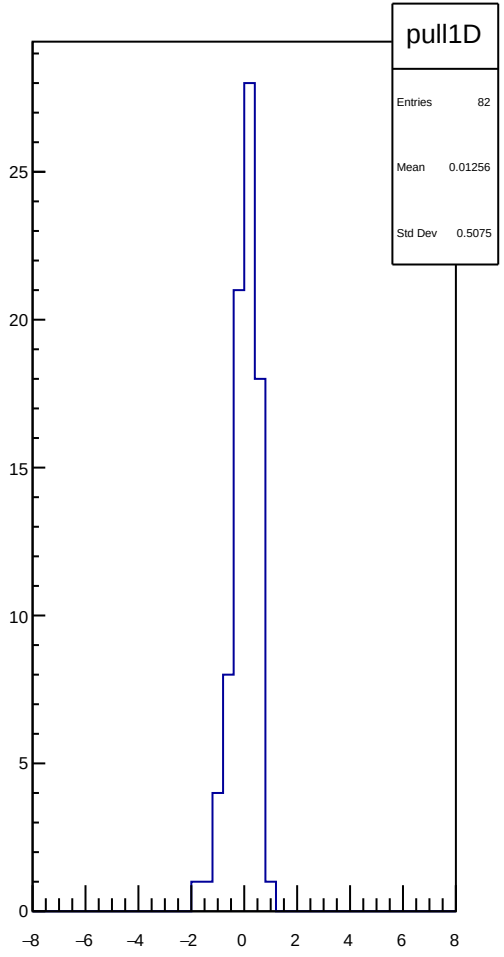

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.48 / 81
p0 −46.27 ± 0.5058
pull
Entries 82
Mean 22.5
Std Dev 36.45
pull1D
Entries 82
Mean −0.02542
Std Dev 0.6385

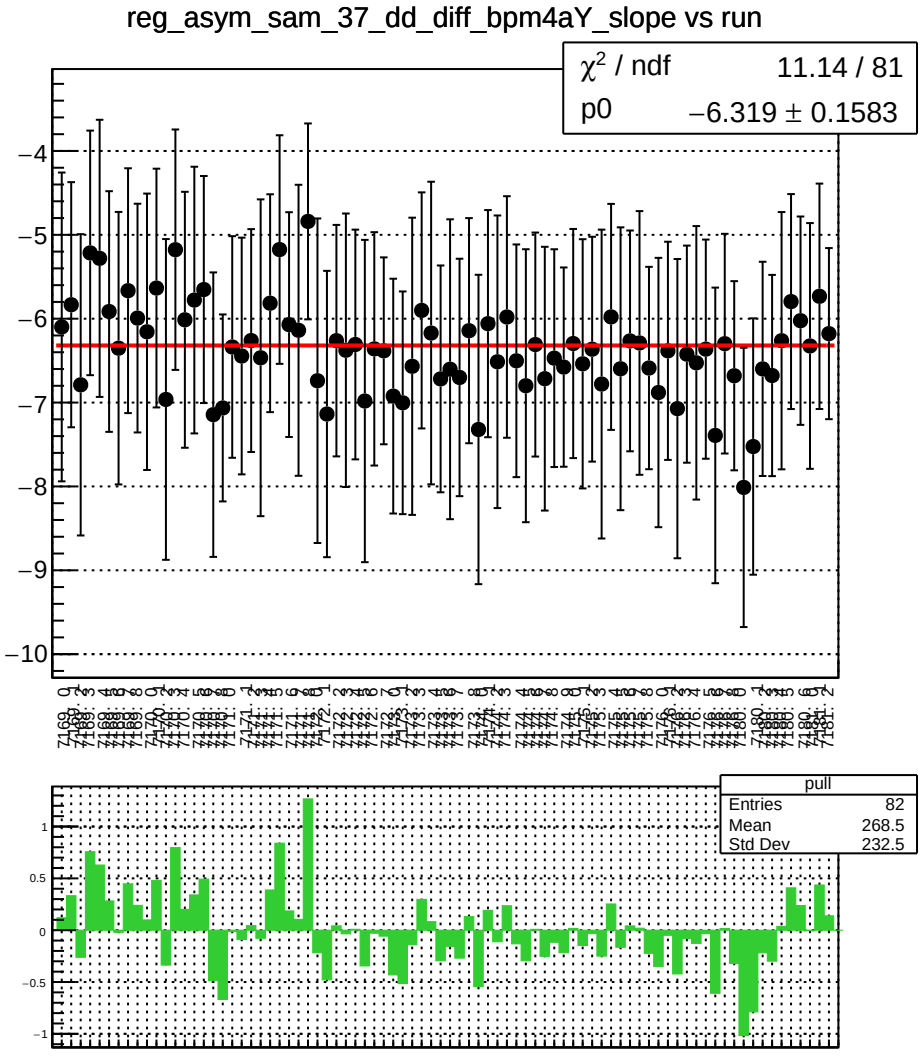

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.217 / 81
p0 3.401 ± 0.4047
pull
Entries 82
Mean −1003
Std Dev 1034

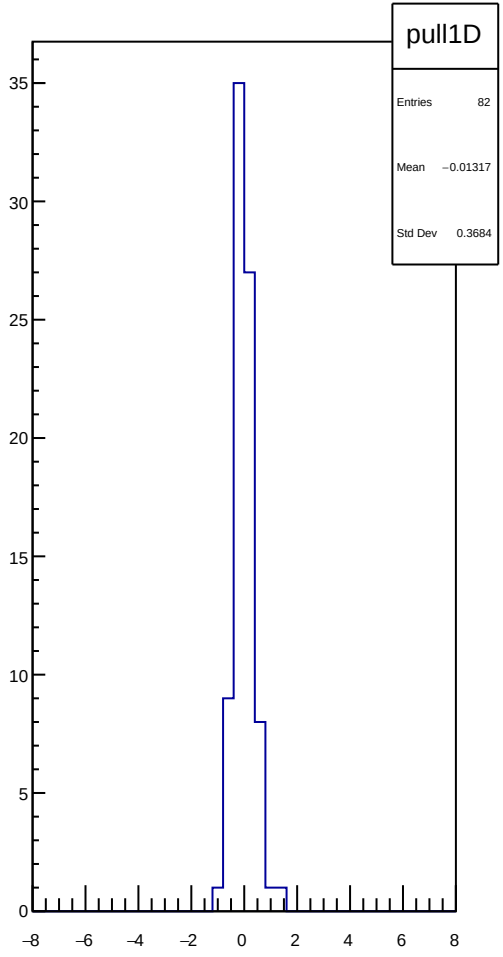

pull1D
Entries 82
Mean −0.00222
Std Dev 0.3353

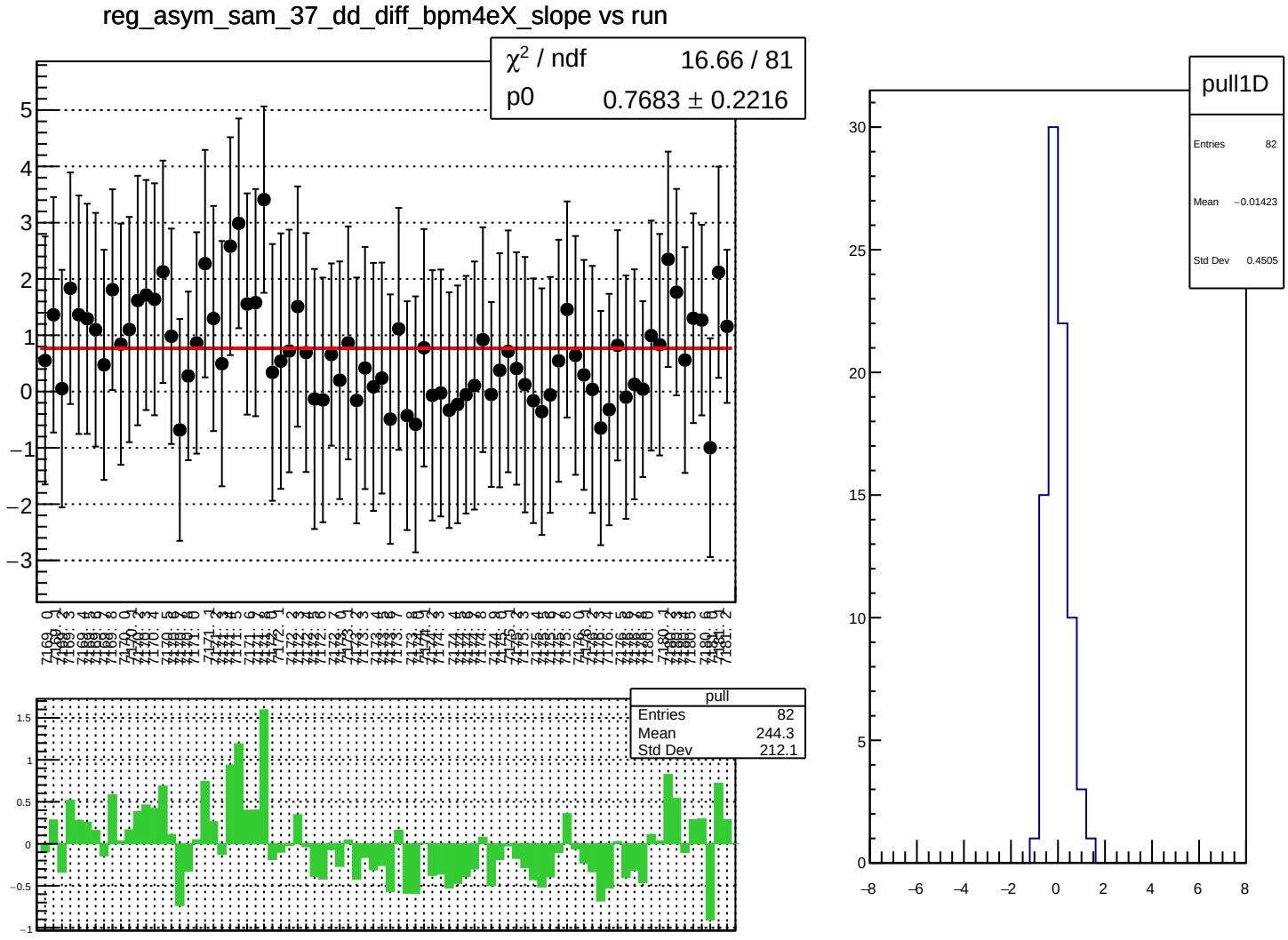

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 7.076 / 81
p0 0.259 ± 0.01872
pull
Entries 82
Mean −1156
Std Dev 1194
pull1D
Entries 82
Mean −0.003941
Std Dev 0.2937

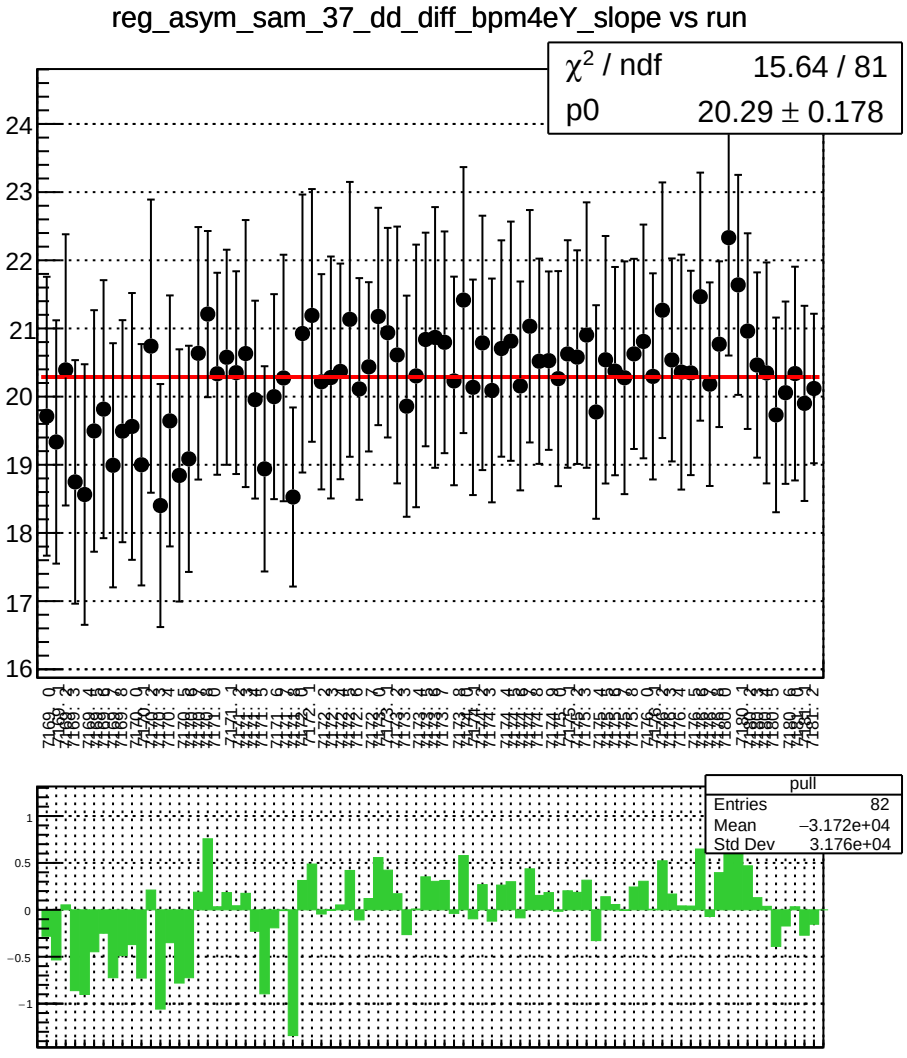

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 21.13 / 81
p0 −21.44 ± 0.2218
pull
Entries 82
Mean 204.5
Std Dev 181.6

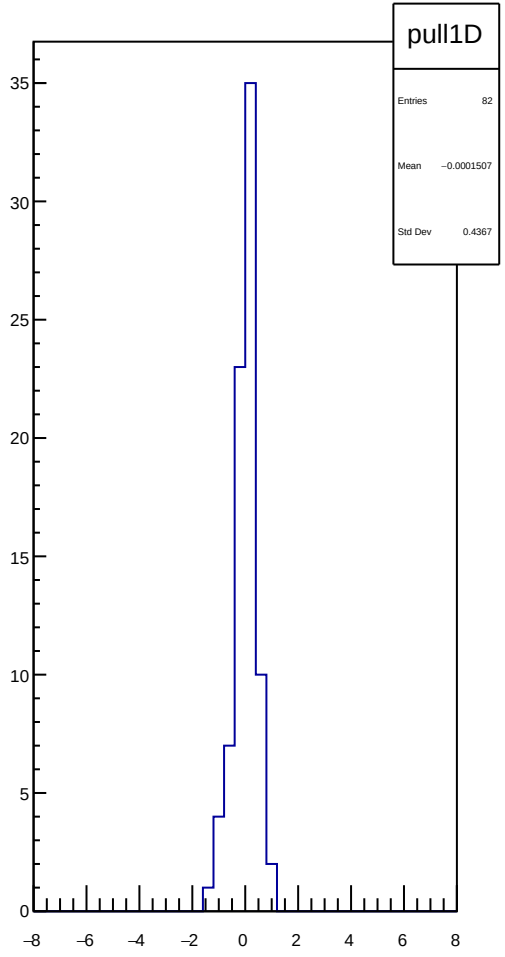

pull1D
Entries 82
Mean 0.01256
Std Dev 0.5075

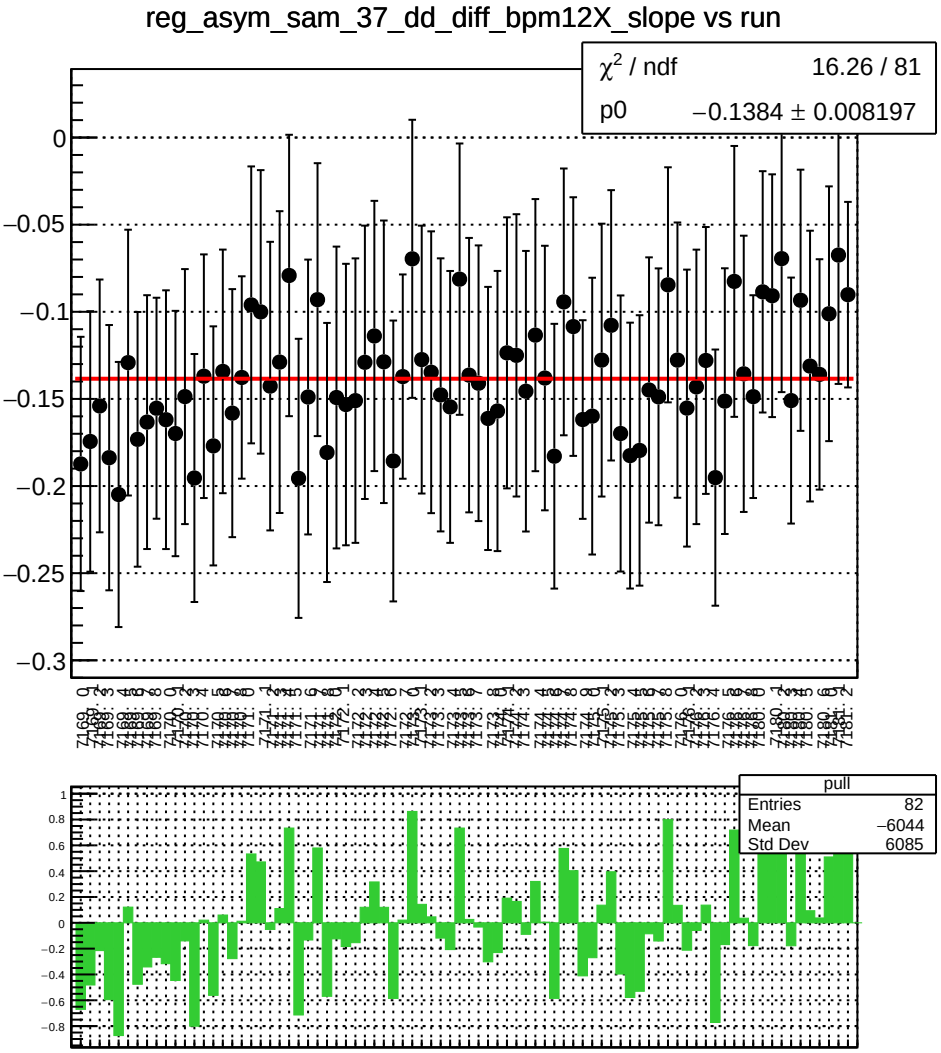

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 11.14 / 81
p0 −6.319 ± 0.1583
pull
Entries 82
Mean 268.5
Std Dev 232.5

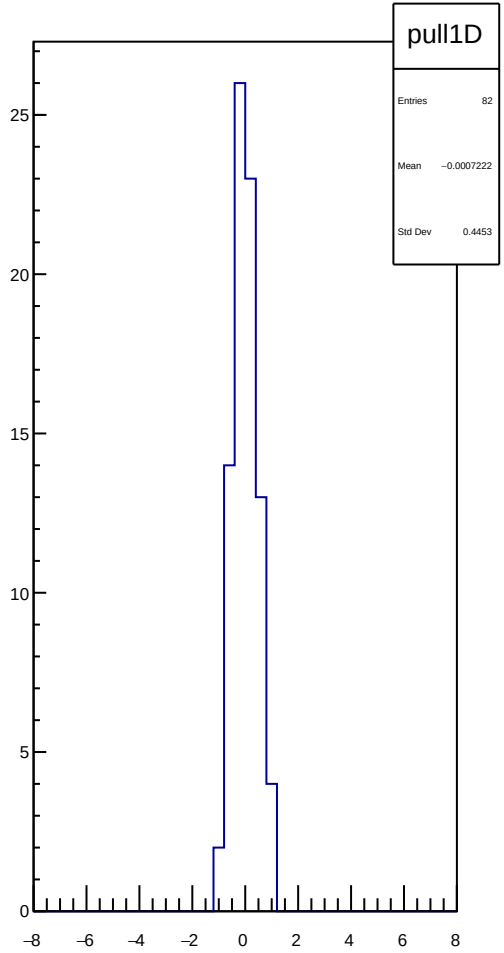

pull1D
Entries 82
Mean −0.01317
Std Dev 0.3684

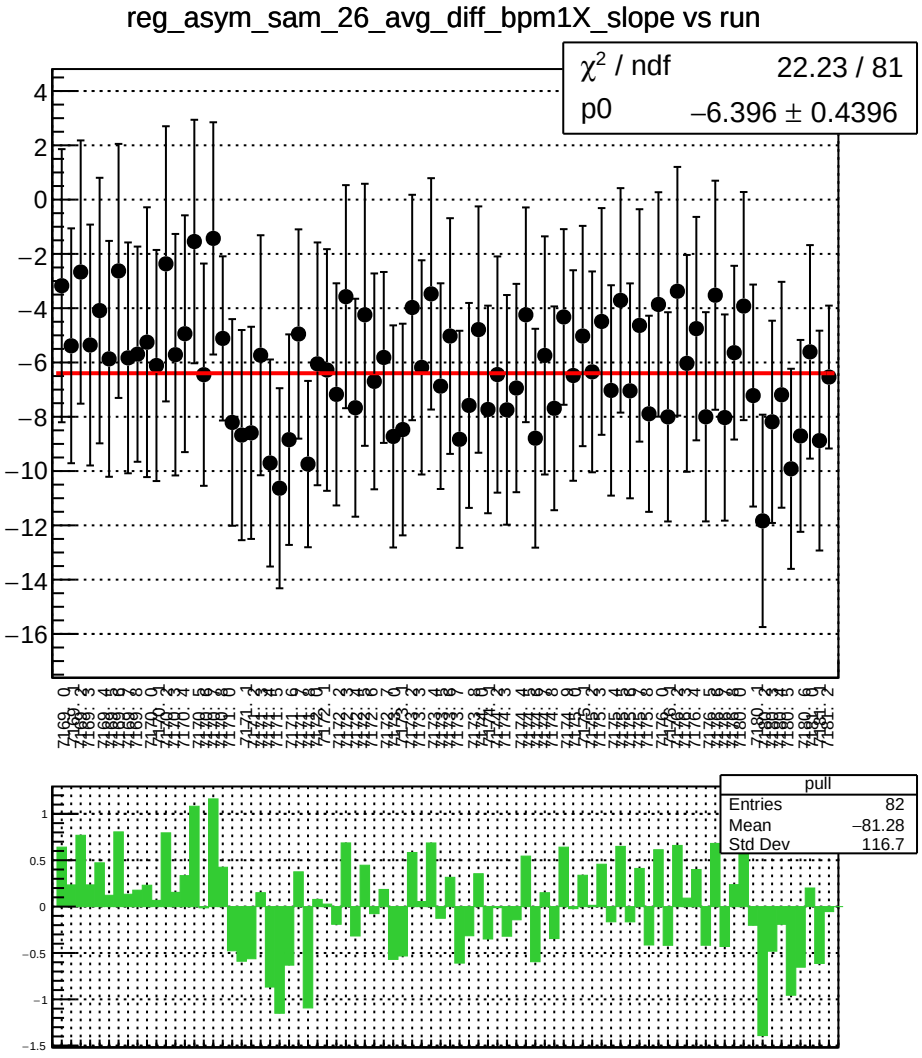

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 16.66 / 81
p0 0.7683 ± 0.2216
pull
Entries 82
Mean 244.3
Std Dev 212.1
pull1D
Entries 82
Mean −0.01423
Std Dev 0.4505

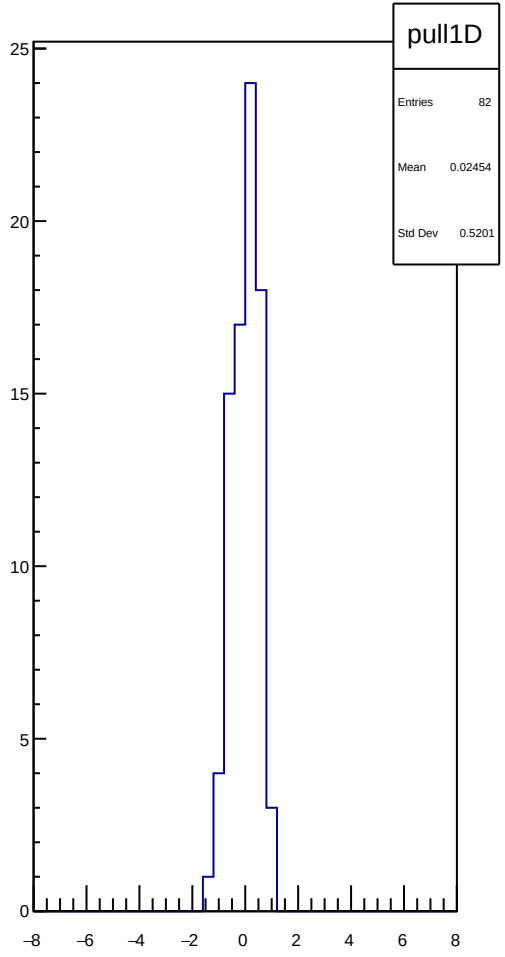

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ2 / ndf 15.64 / 81
p0 20.29 ± 0.178
pull
Entries 82
Mean −3.172e+04
Std Dev 3.176e+04

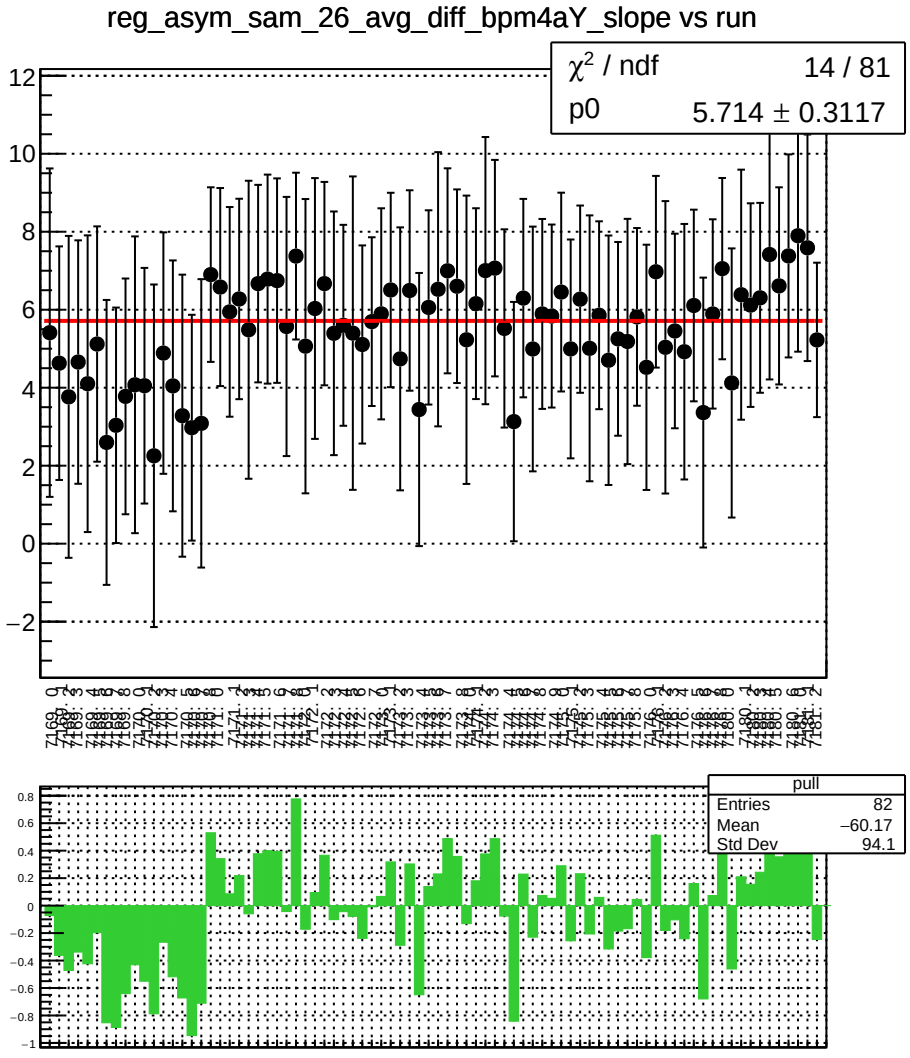

pull1D
Entries 82
Mean −0.0001507
Std Dev 0.4367

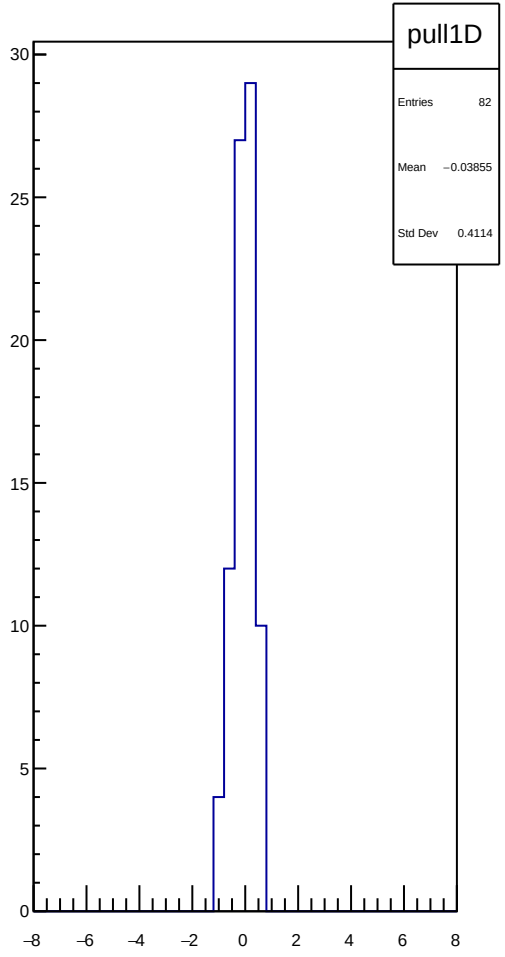

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 16.26 / 81
p0 −0.1384 ± 0.008197
pull
Entries 82
Mean −6044
Std Dev 6085

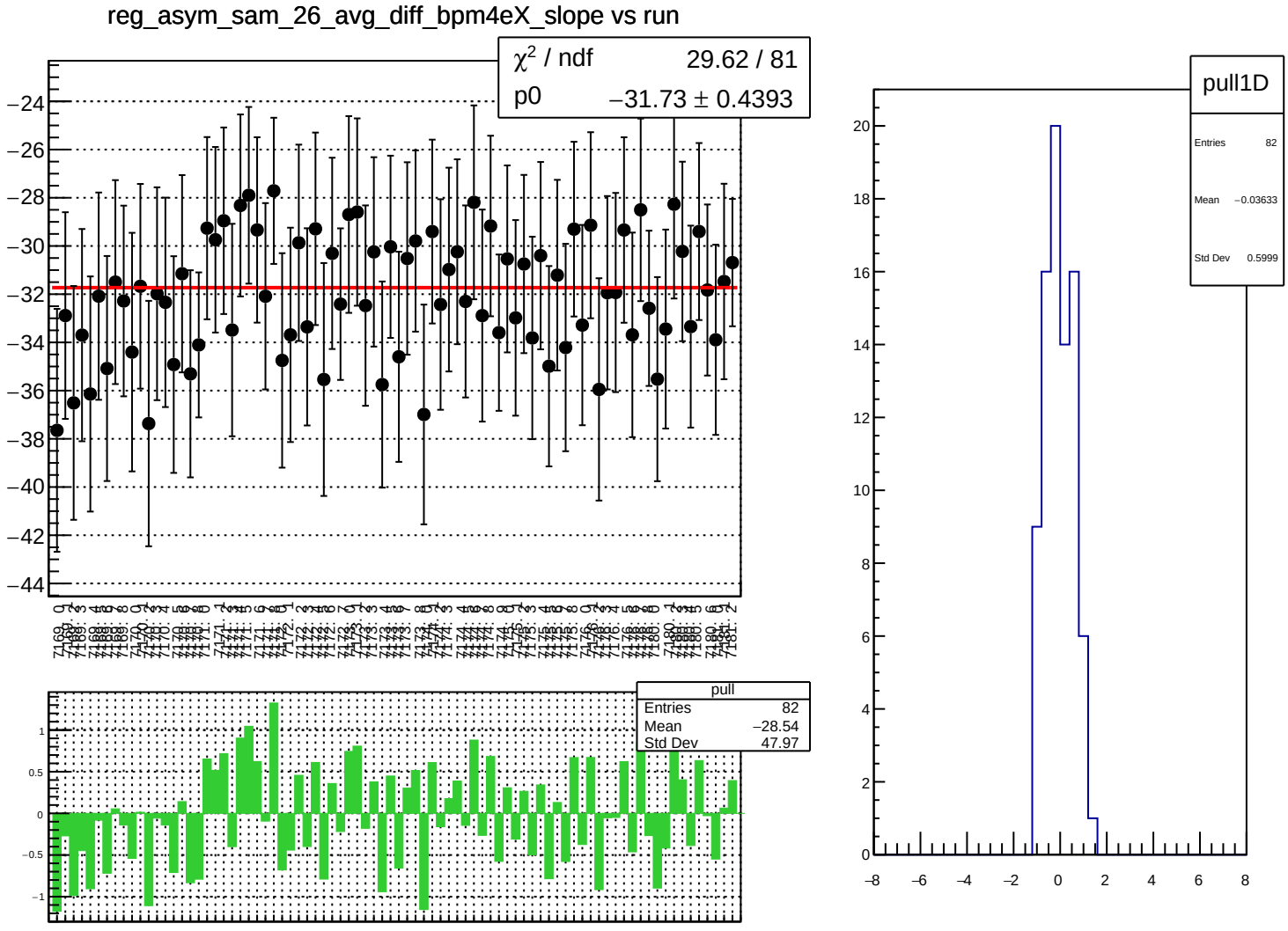

pull1D
Entries 82
Mean −0.0007222
Std Dev 0.4453

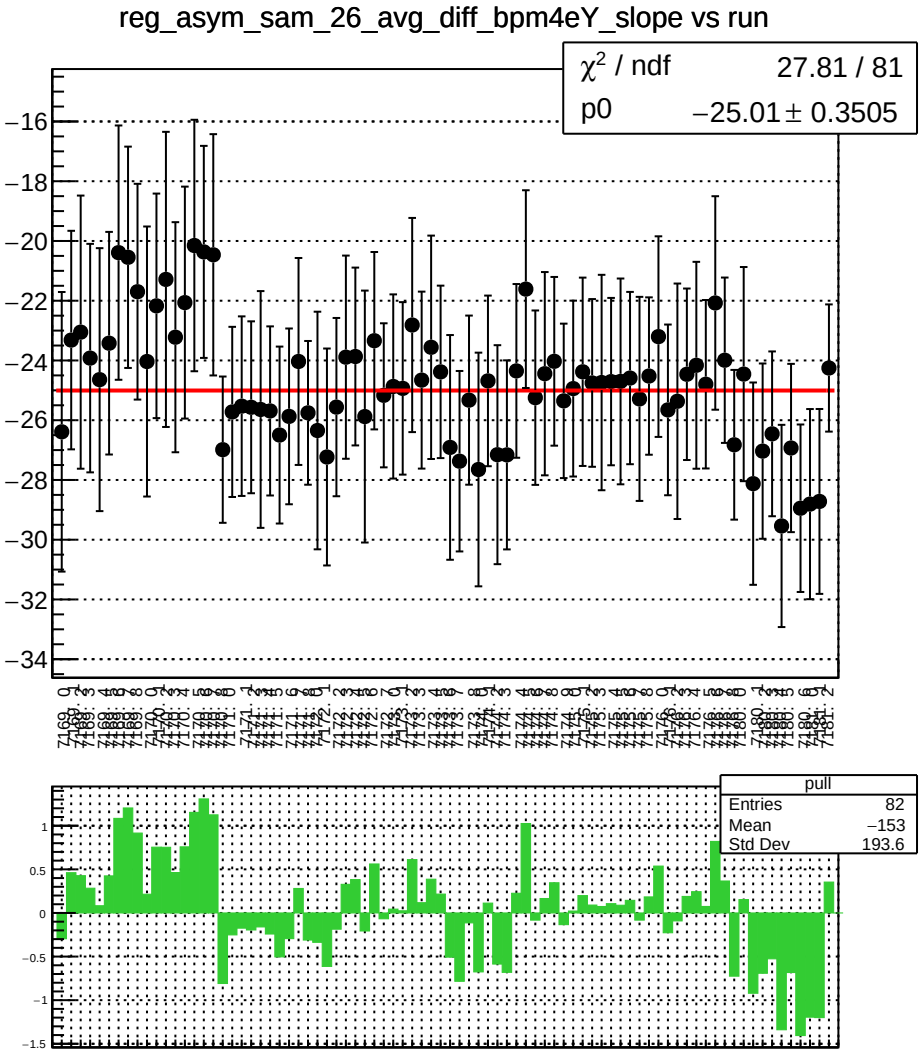

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 22.23 / 81
p0 −6.396 ± 0.4396
pull
Entries 82
Mean −81.28
Std Dev 116.7

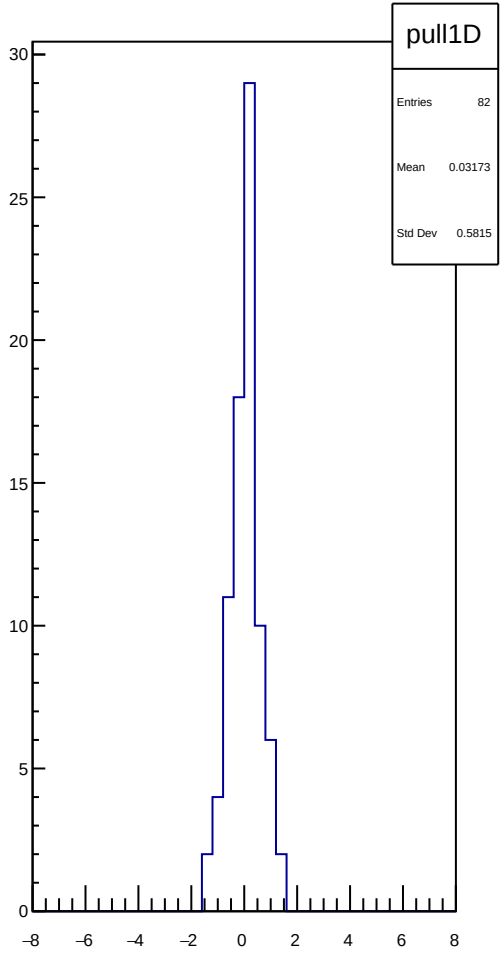

pull1D
Entries 82
Mean 0.02454
Std Dev 0.5201

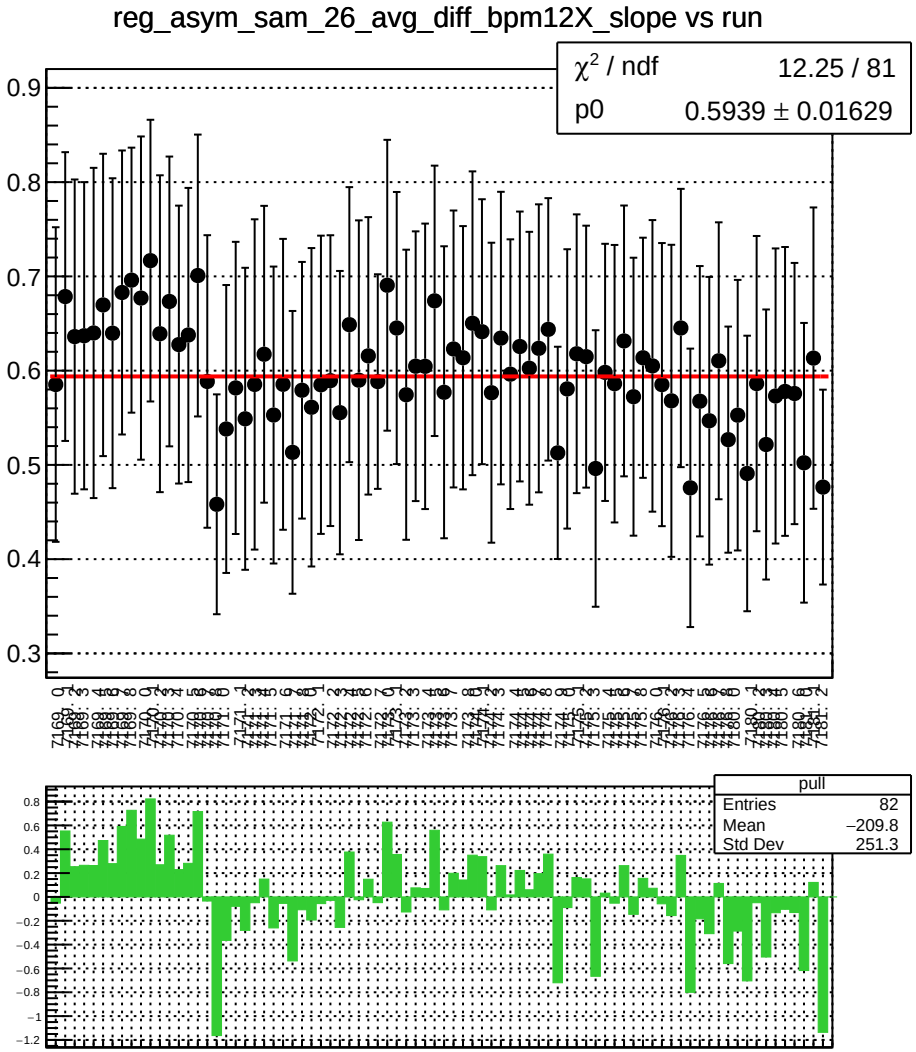

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 14 / 81
p0 5.714 ± 0.3117
pull
Entries 82
Mean −60.17
Std Dev 94.1

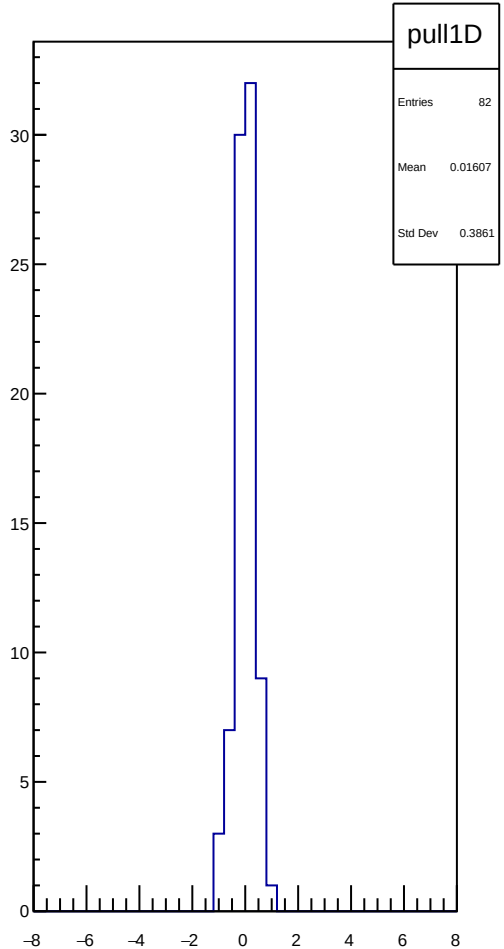

pull1D
Entries 82
Mean −0.03855
Std Dev 0.4114

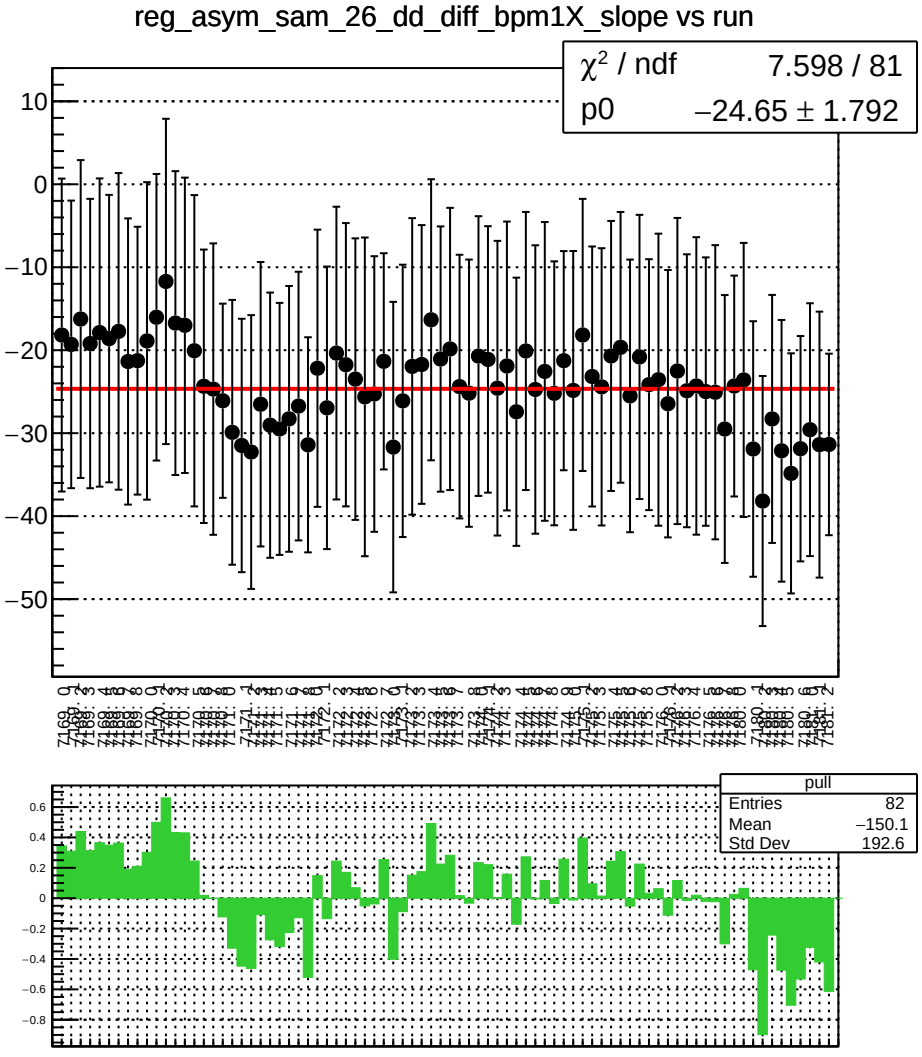

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 29.62 / 81
p0 −31.73 ± 0.4393
pull
Entries 82
Mean −28.54
Std Dev 47.97
pull1D
Entries 82
Mean −0.03633
Std Dev 0.5999

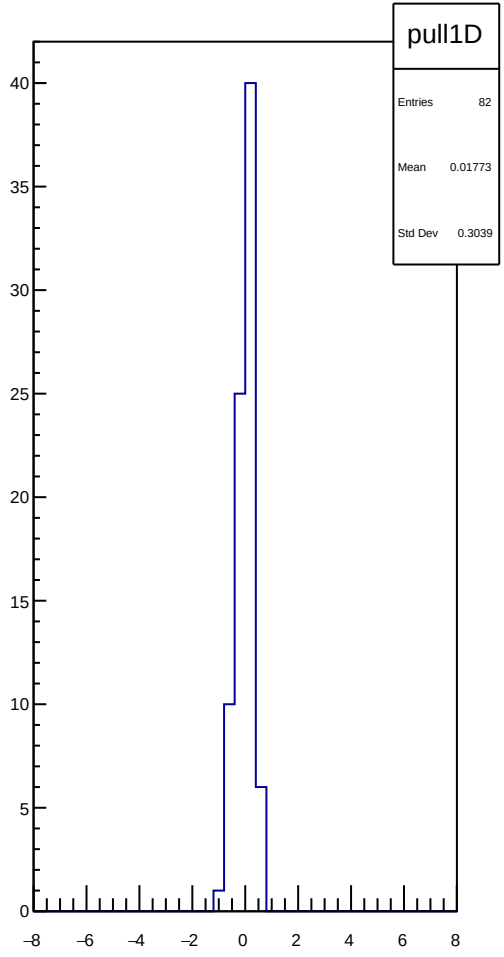

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 27.81 / 81
p0 −25.01 ± 0.3505
pull
Entries 82
Mean −153
Std Dev 193.6

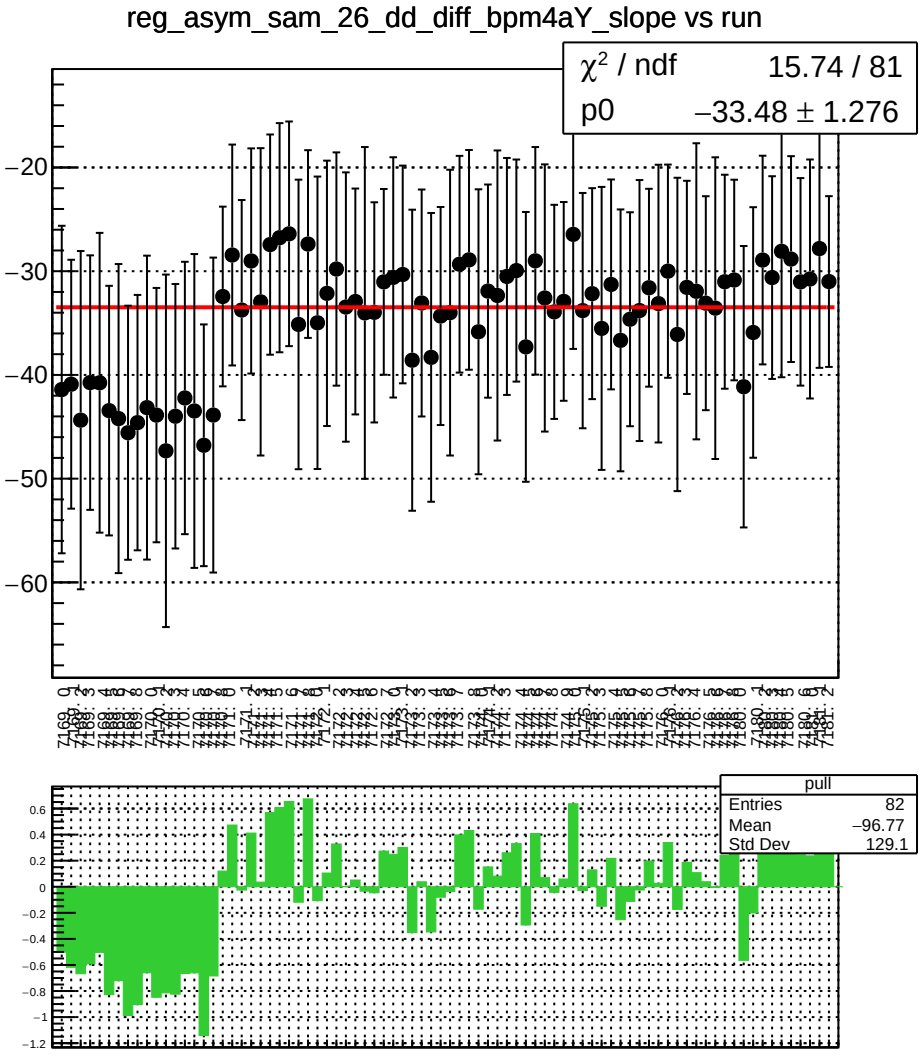

pull1D
Entries 82
Mean 0.03173
Std Dev 0.5815

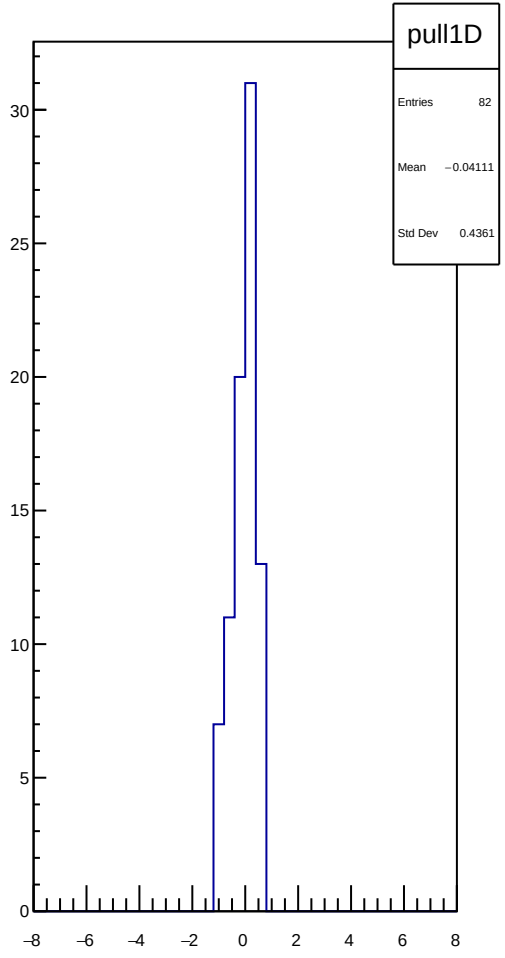

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 12.25 / 81
p0 0.5939 ± 0.01629
pull
Entries 82
Mean −209.8
Std Dev 251.3

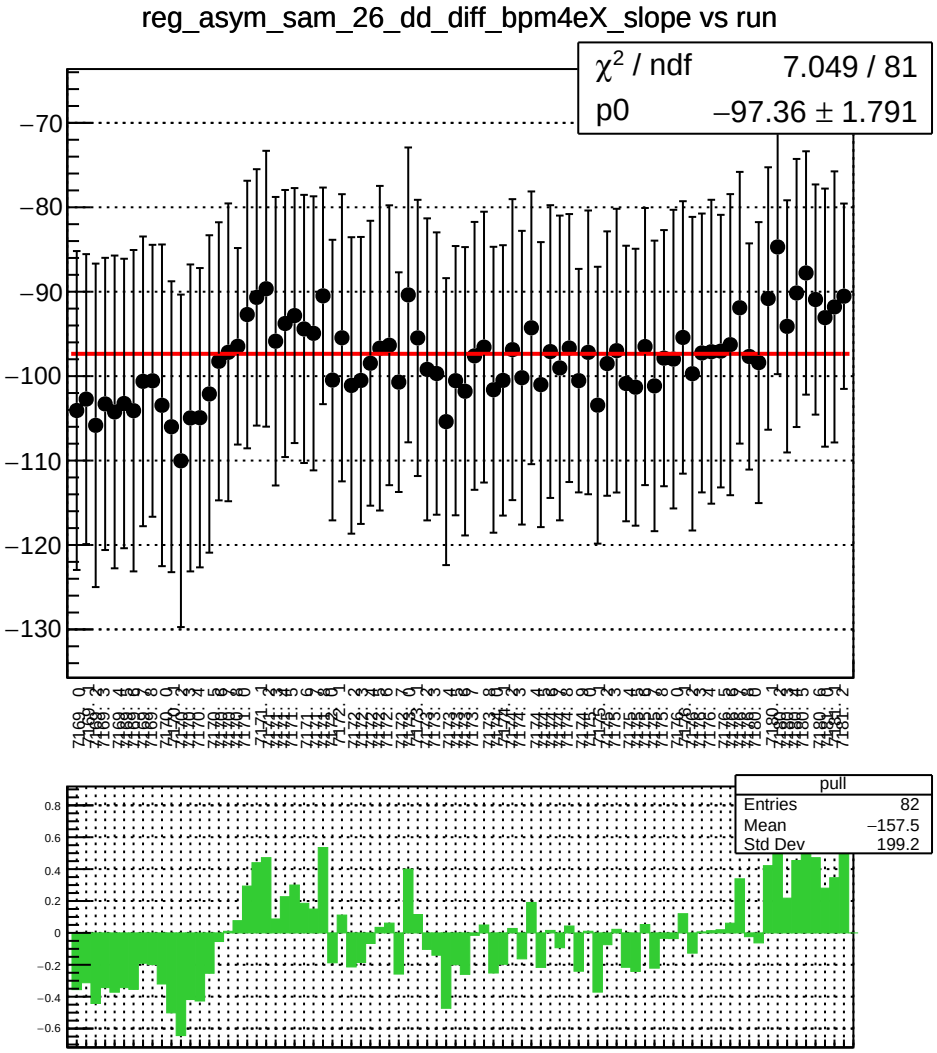

pull1D
Entries 82
Mean 0.01607
Std Dev 0.3861

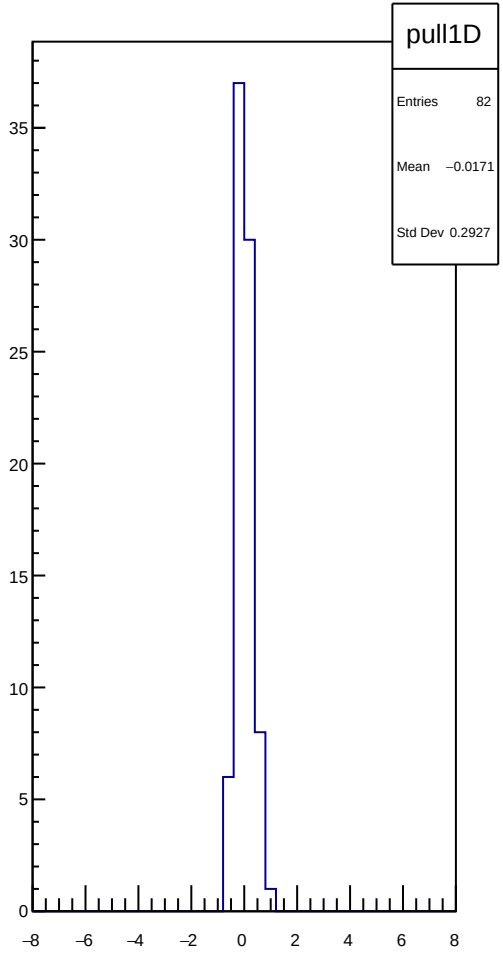

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.598 / 81
p0 −24.65 ± 1.792
pull
Entries 82
Mean −150.1
Std Dev 192.6

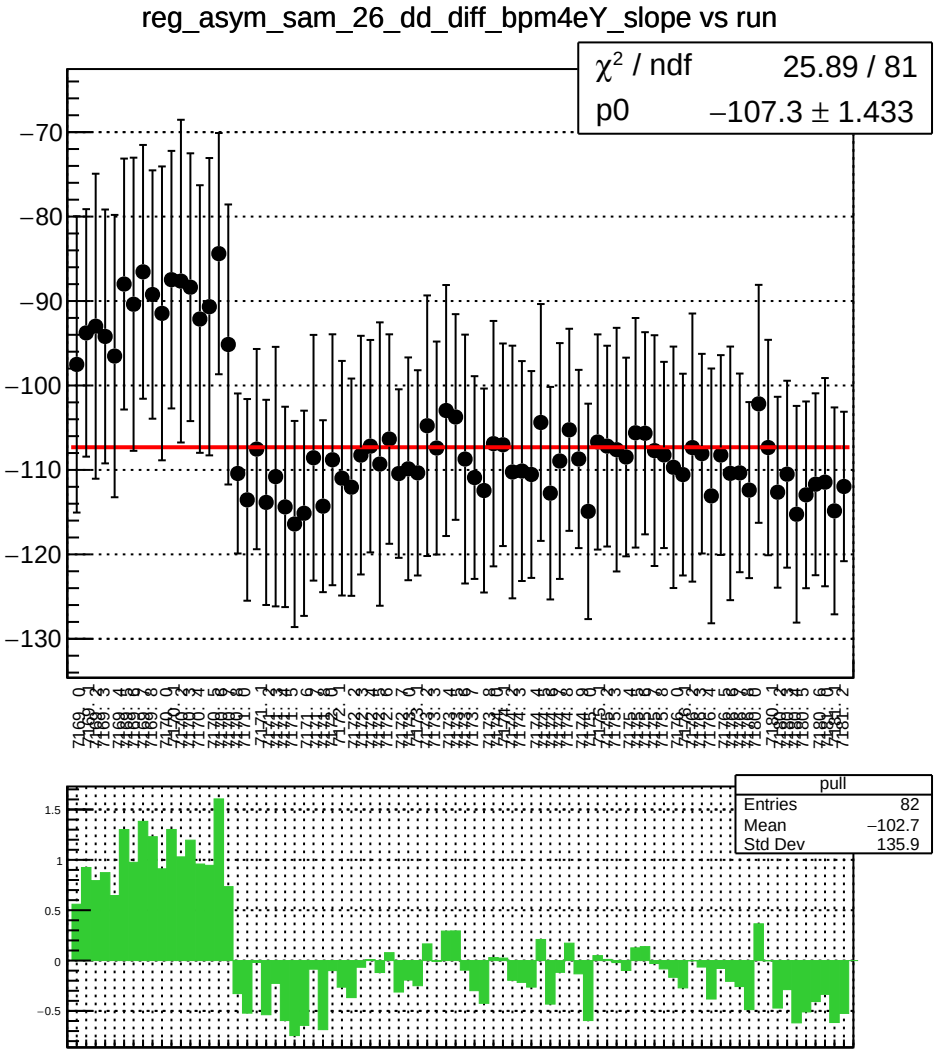

pull1D
Entries 82
Mean 0.01773
Std Dev 0.3039

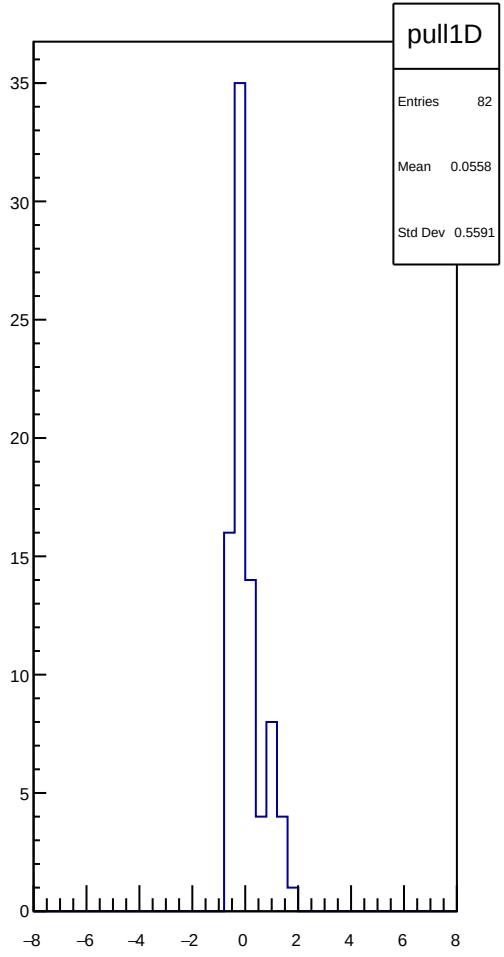

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.74 / 81
p0 −33.48 ± 1.276
pull
Entries 82
Mean −96.77
Std Dev 129.1

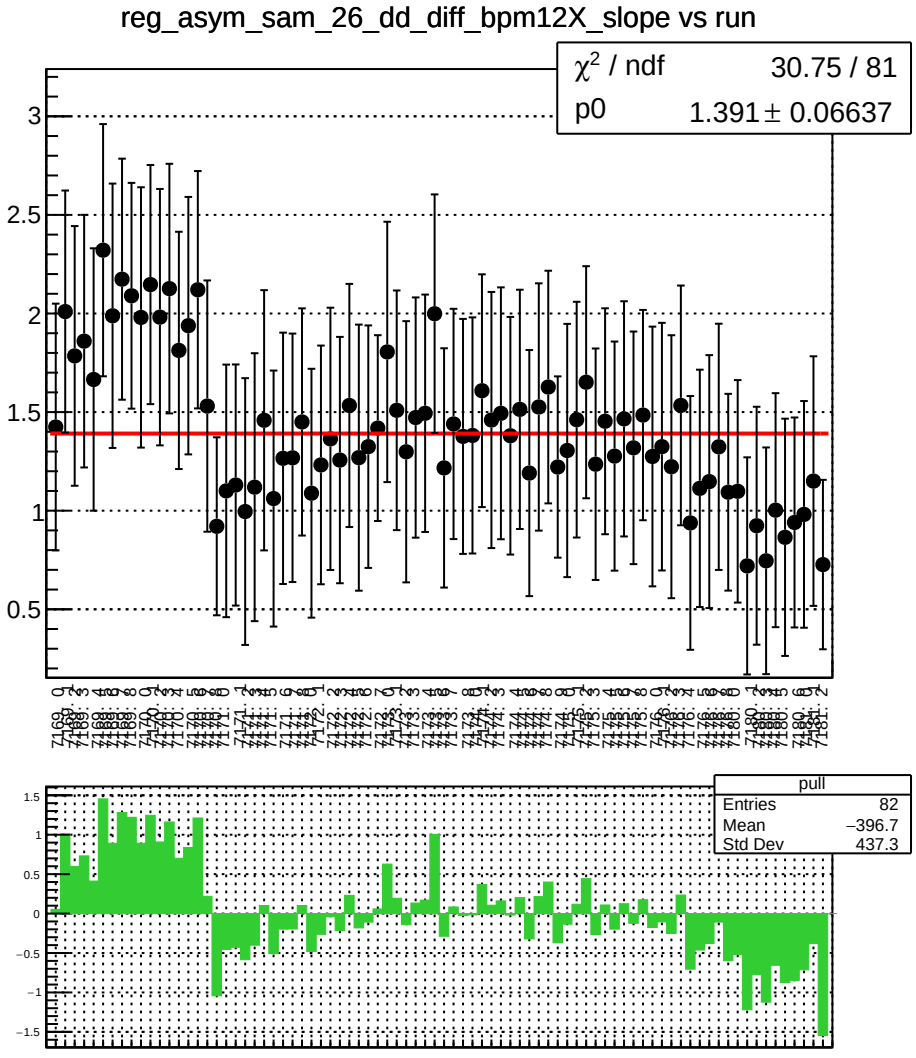

pull1D
Entries 82
Mean −0.04111
Std Dev 0.4361

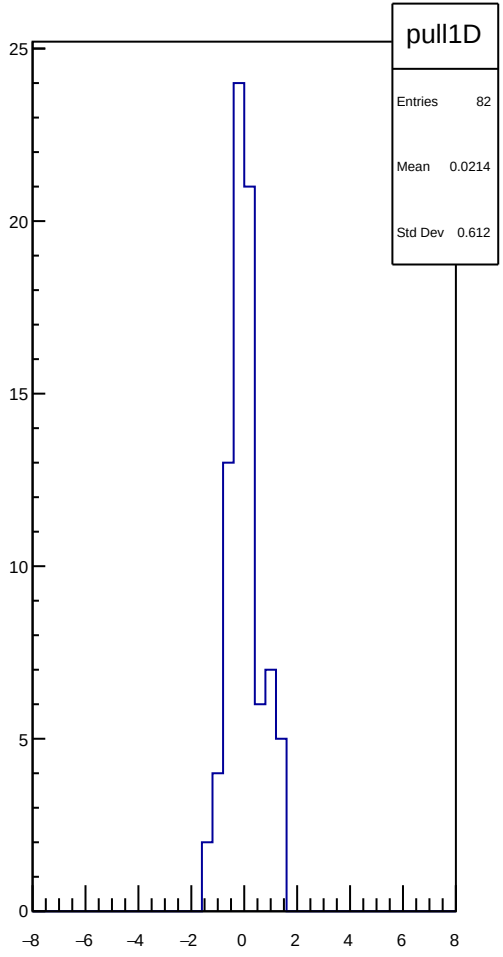

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.049 / 81
p0 −97.36 ± 1.791
pull
Entries 82
Mean −157.5
Std Dev 199.2

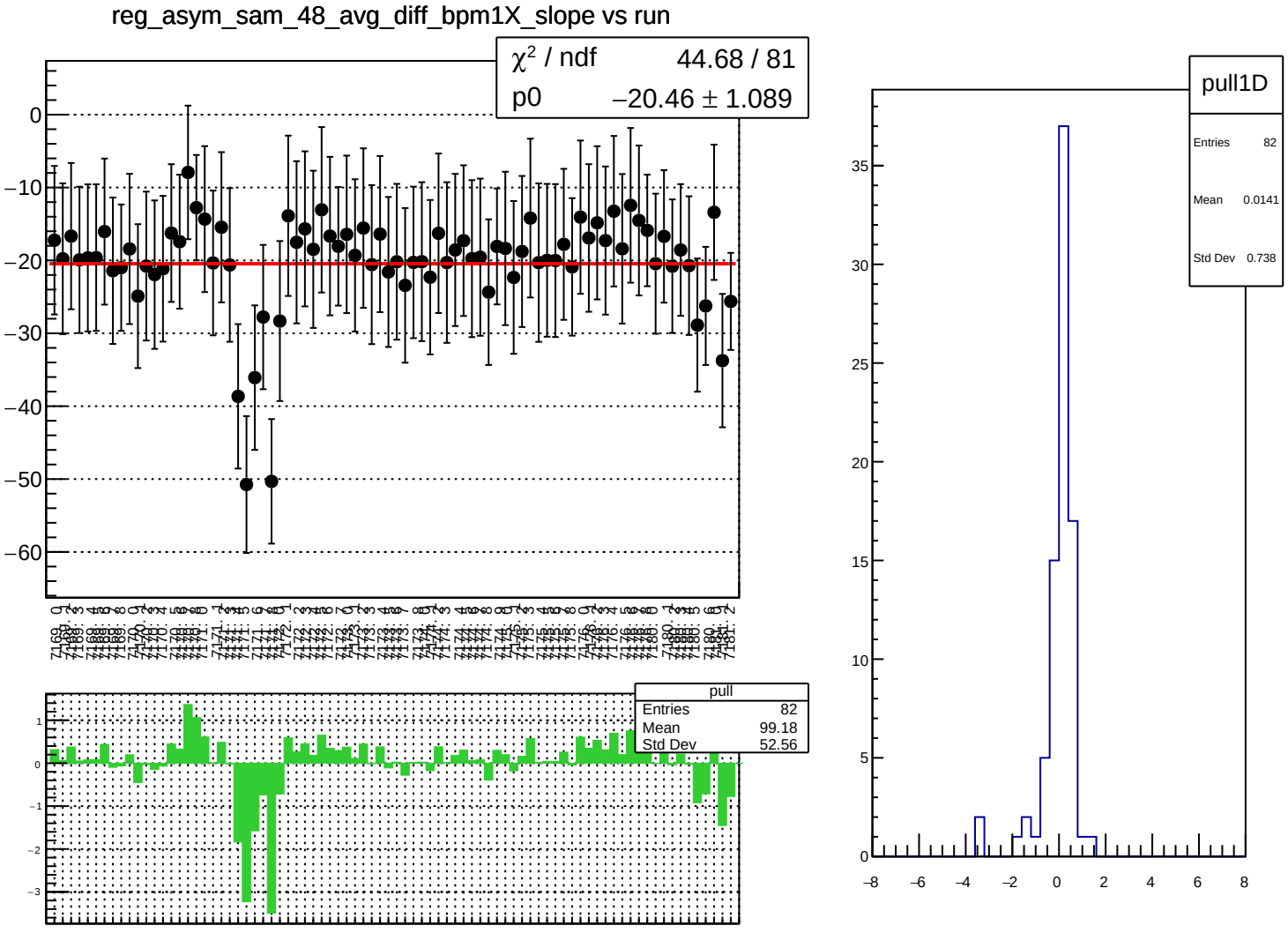

pull1D
Entries 82
Mean −0.0171
Std Dev 0.2927

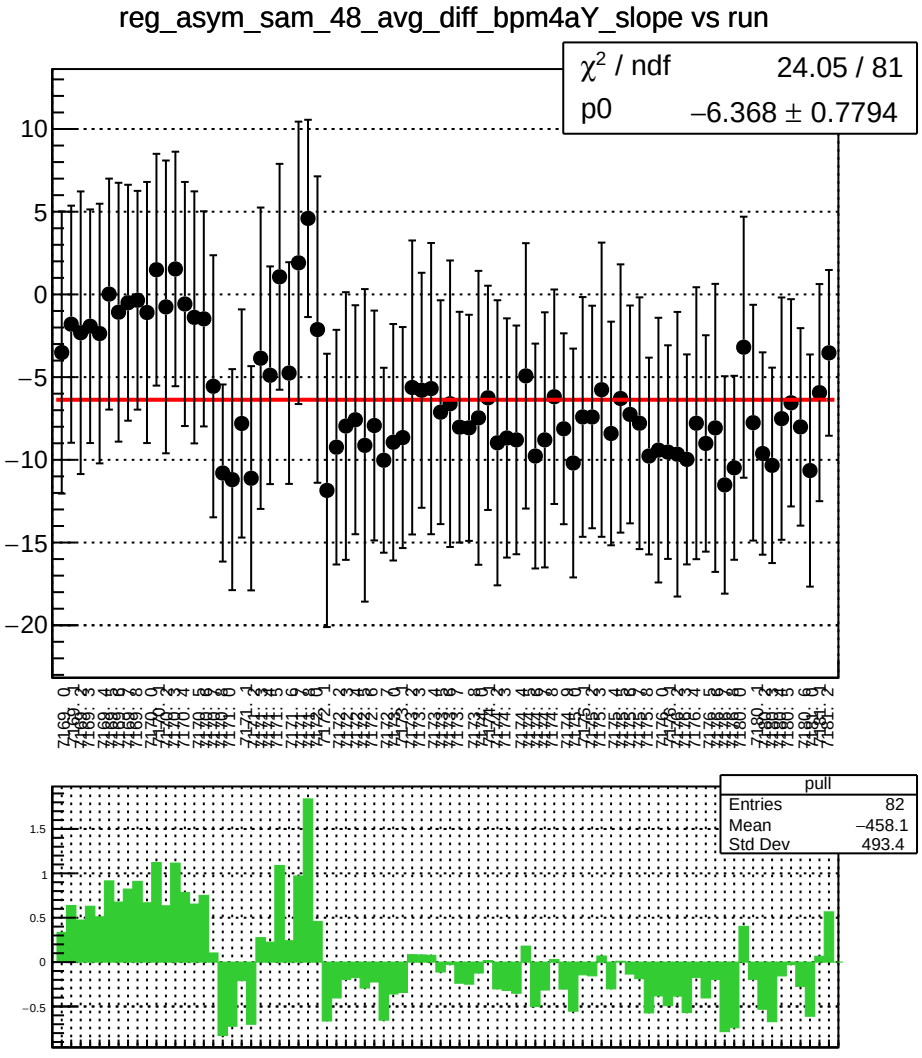

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.89 / 81
p0 −107.3 ± 1.433
pull
Entries 82
Mean −102.7
Std Dev 135.9

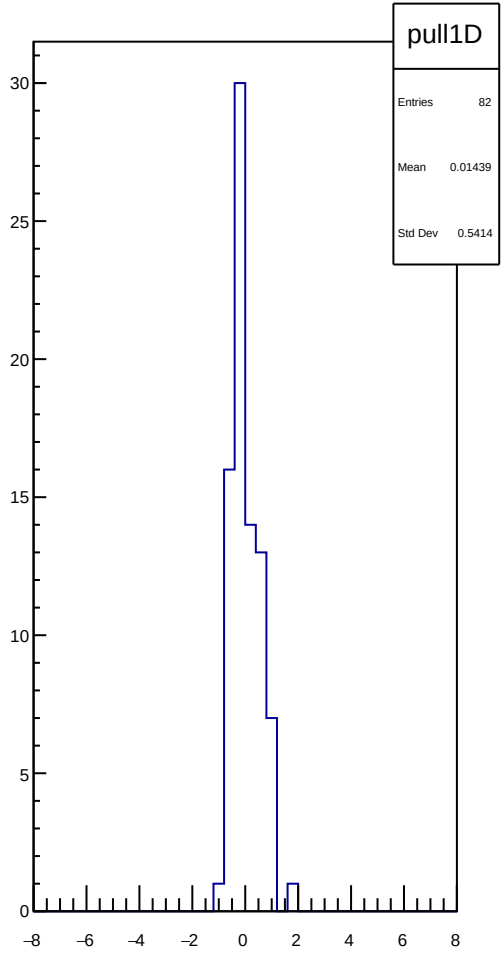

pull1D
Entries 82
Mean 0.0558
Std Dev 0.5591

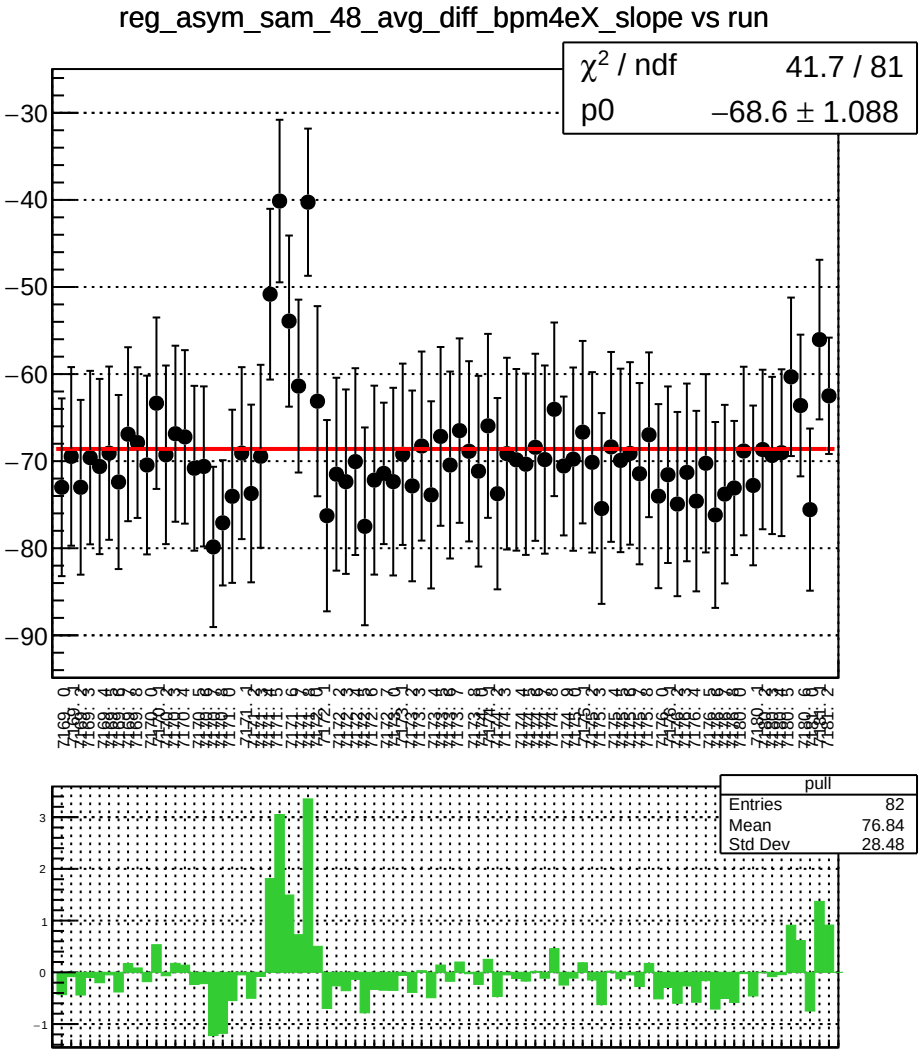

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 30.75 / 81
p0 1.391 ± 0.06637
pull
Entries 82
Mean −396.7
Std Dev 437.3

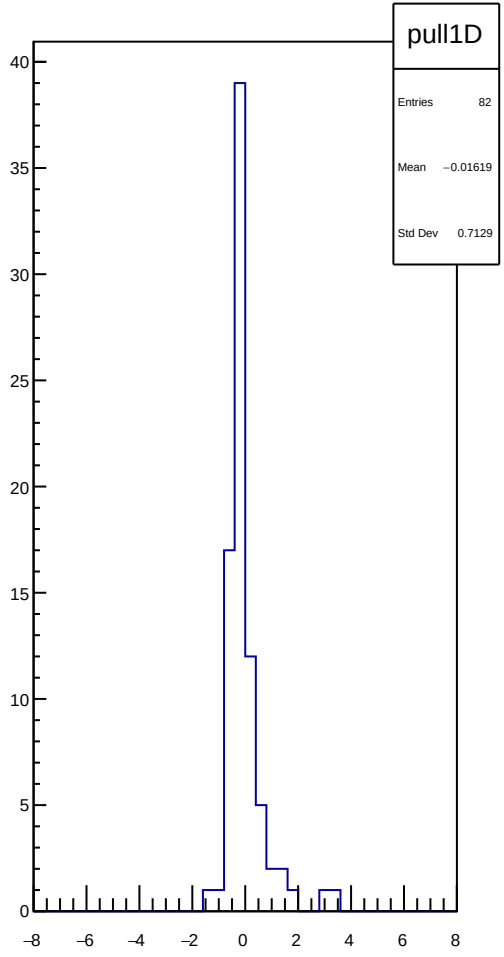

pull1D
Entries 82
Mean 0.0214
Std Dev 0.612

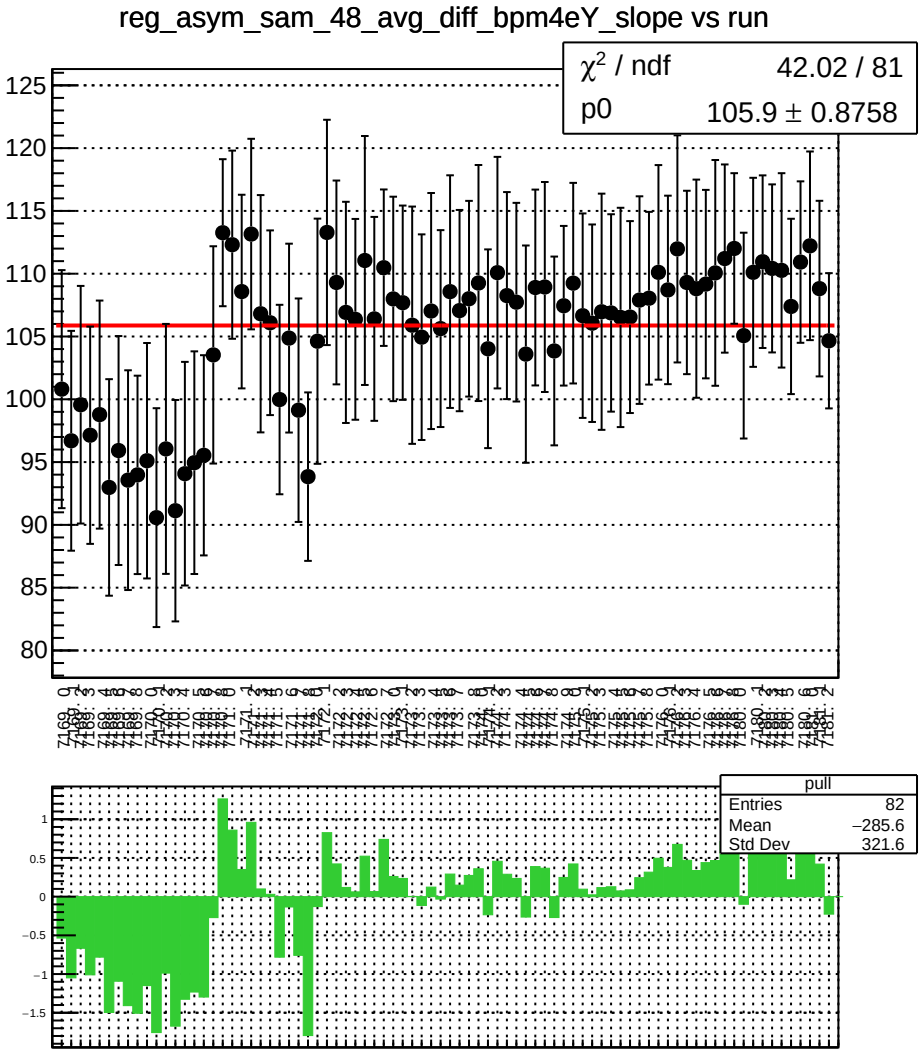

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 44.68 / 81
p0 −20.46 ± 1.089
pull
Entries 82
Mean 99.18
Std Dev 52.56
pull1D
Entries 82
Mean 0.0141
Std Dev 0.738

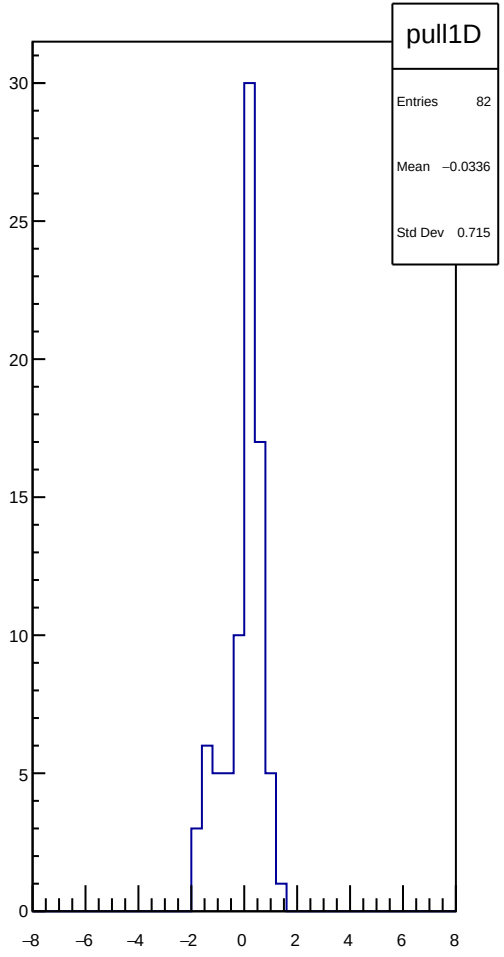

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.05 / 81
p0 −6.368 ± 0.7794
pull
Entries 82
Mean −458.1
Std Dev 493.4

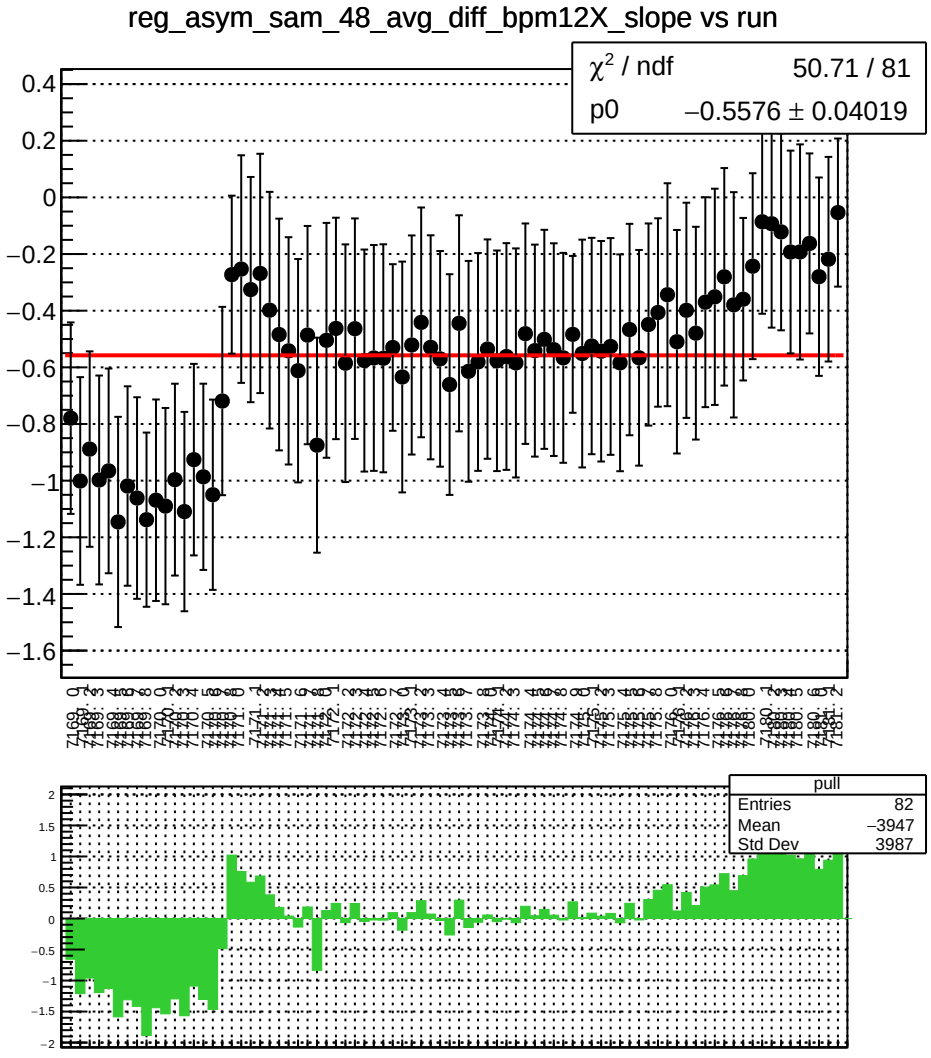

pull1D
Entries 82
Mean 0.01439
Std Dev 0.5414

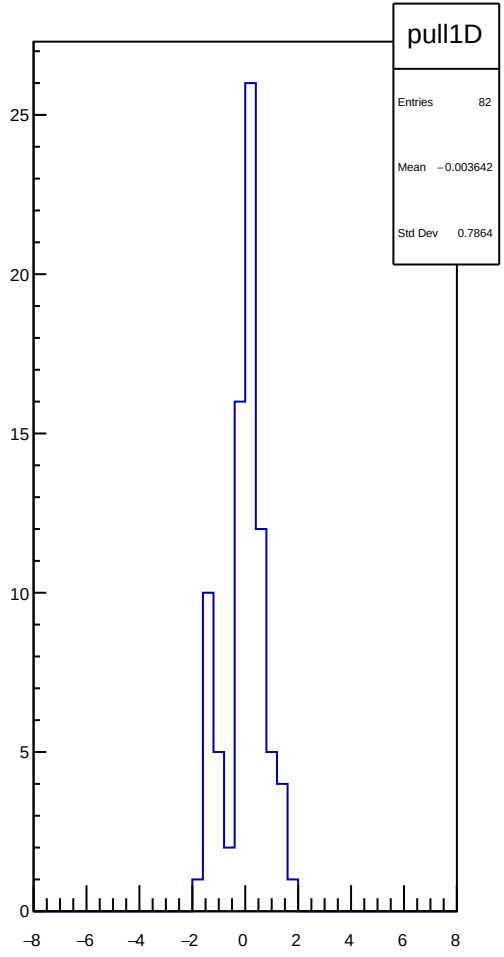

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 41.7 / 81
p0 −68.6 ± 1.088
pull
Entries 82
Mean 76.84
Std Dev 28.48

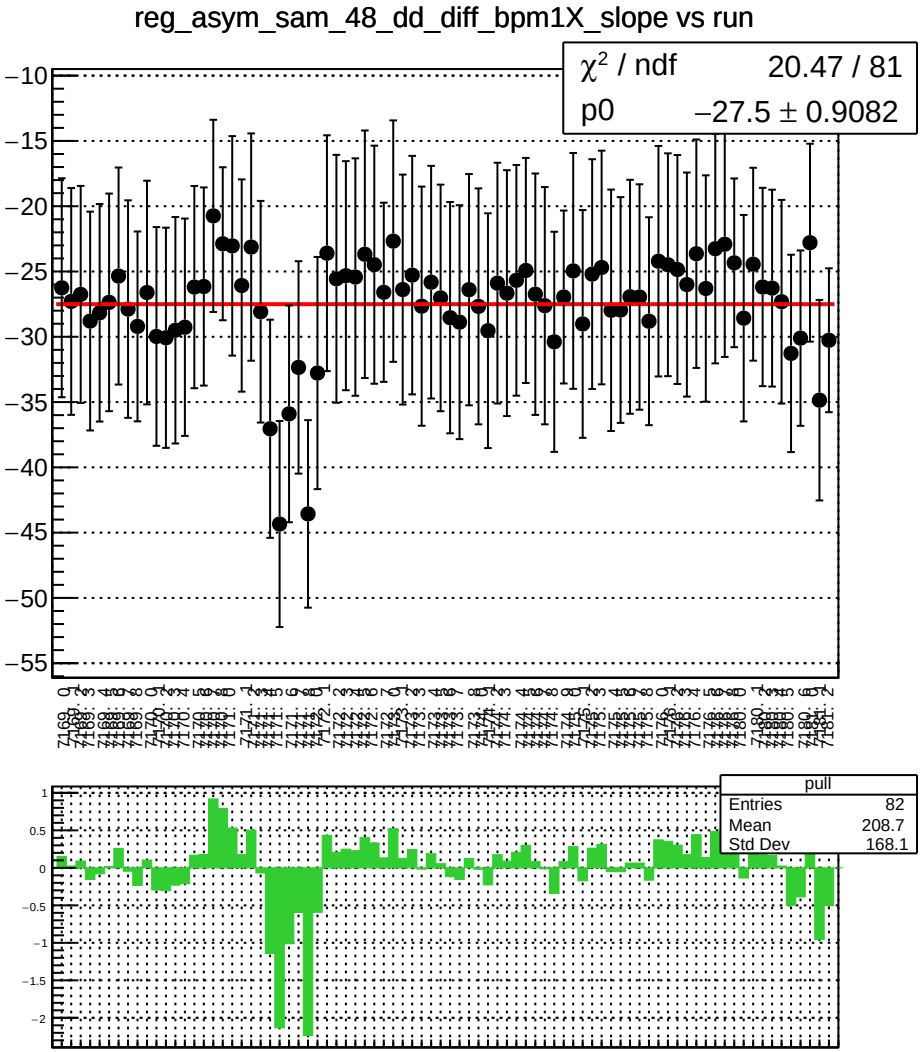

pull1D
Entries 82
Mean −0.01619
Std Dev 0.7129

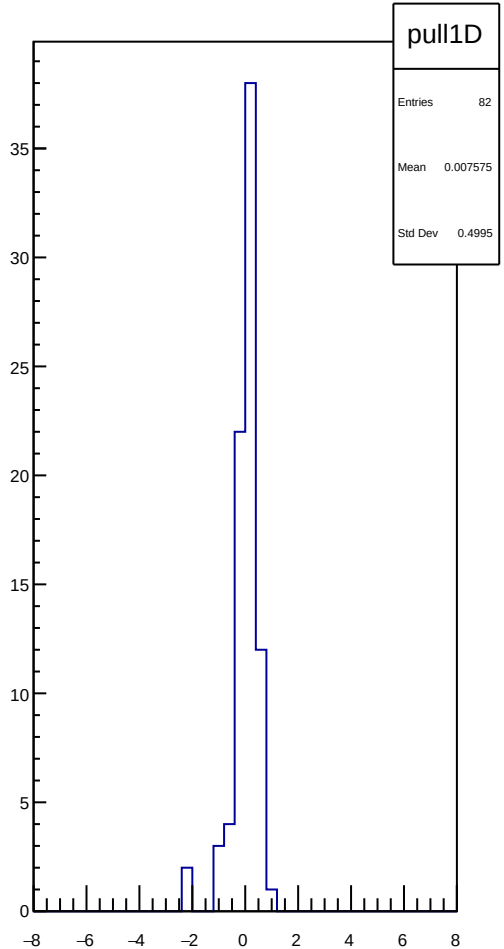

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.02 / 81
p0 105.9 ± 0.8758
pull
Entries 82
Mean −285.6
Std Dev 321.6

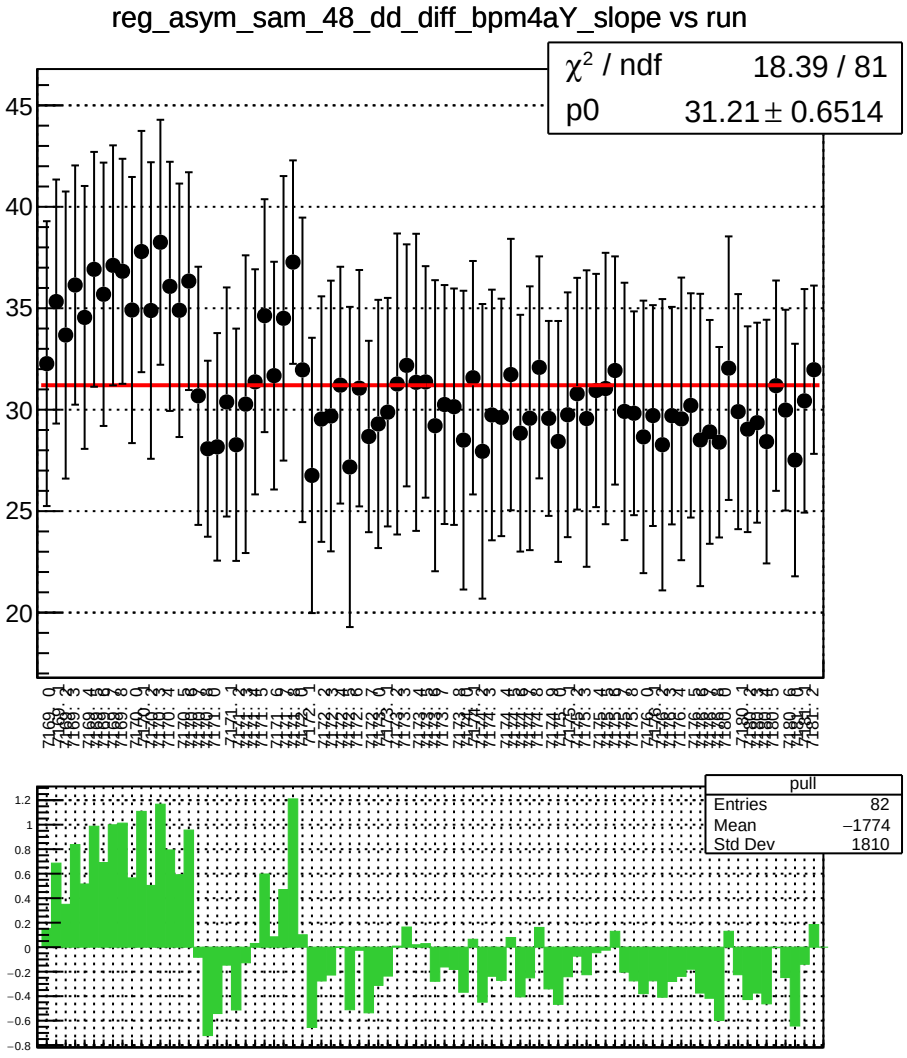

pull1D
Entries 82
Mean −0.0336
Std Dev 0.715

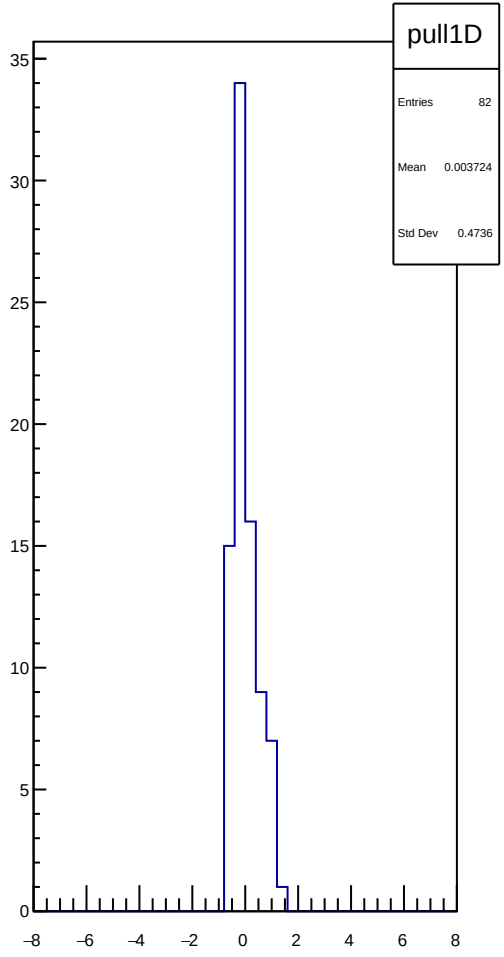

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 50.71 / 81
p0 −0.5576 ± 0.04019
pull
Entries 82
Mean −3947
Std Dev 3987

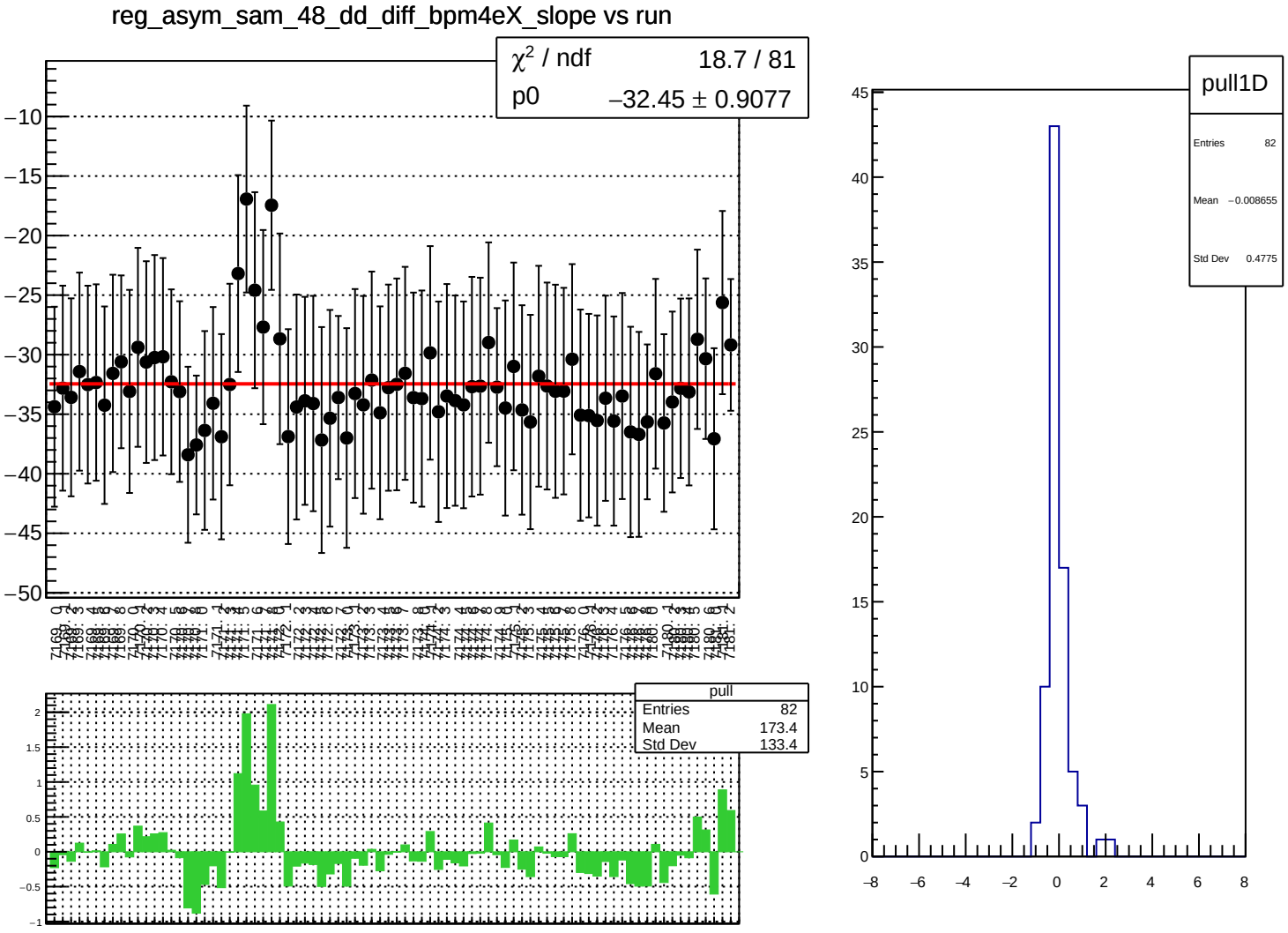

pull1D
Entries 82
Mean −0.003642
Std Dev 0.7864

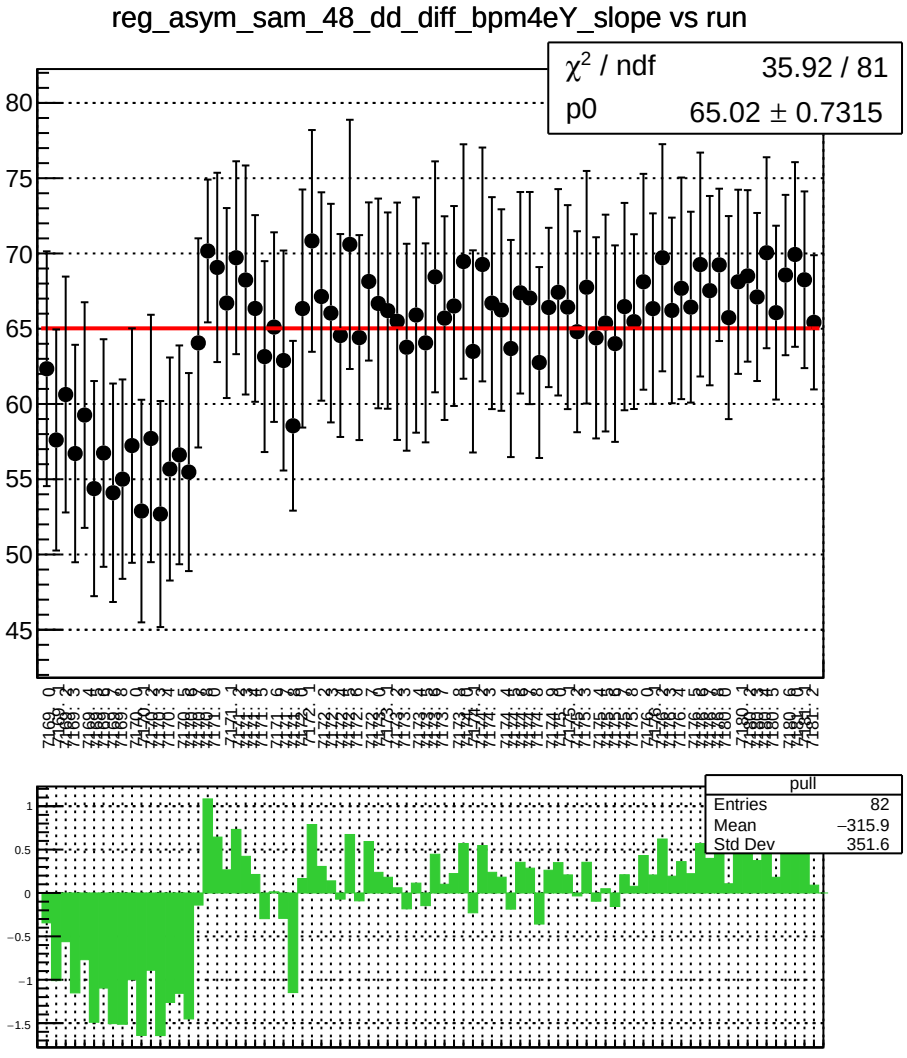

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 20.47 / 81
p0 −27.5 ± 0.9082
pull
Entries 82
Mean 208.7
Std Dev 168.1

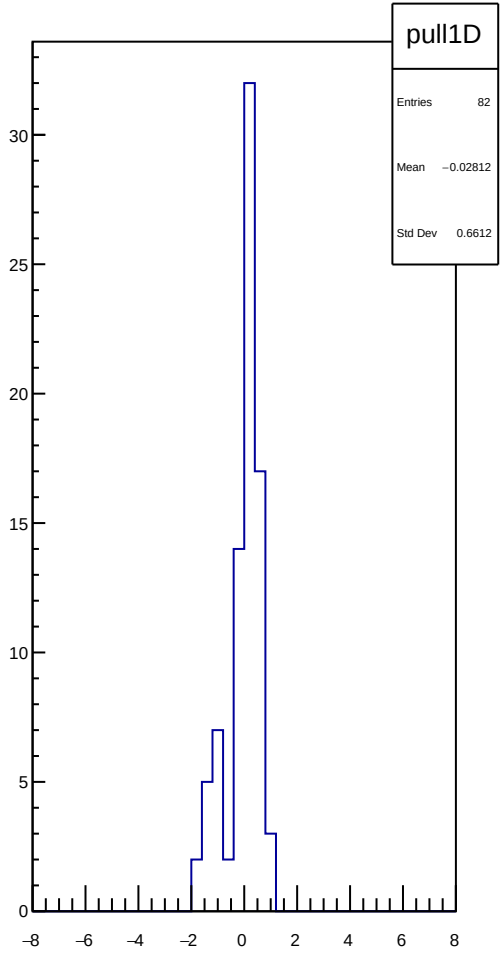

pull1D
Entries 82
Mean 0.007575
Std Dev 0.4995

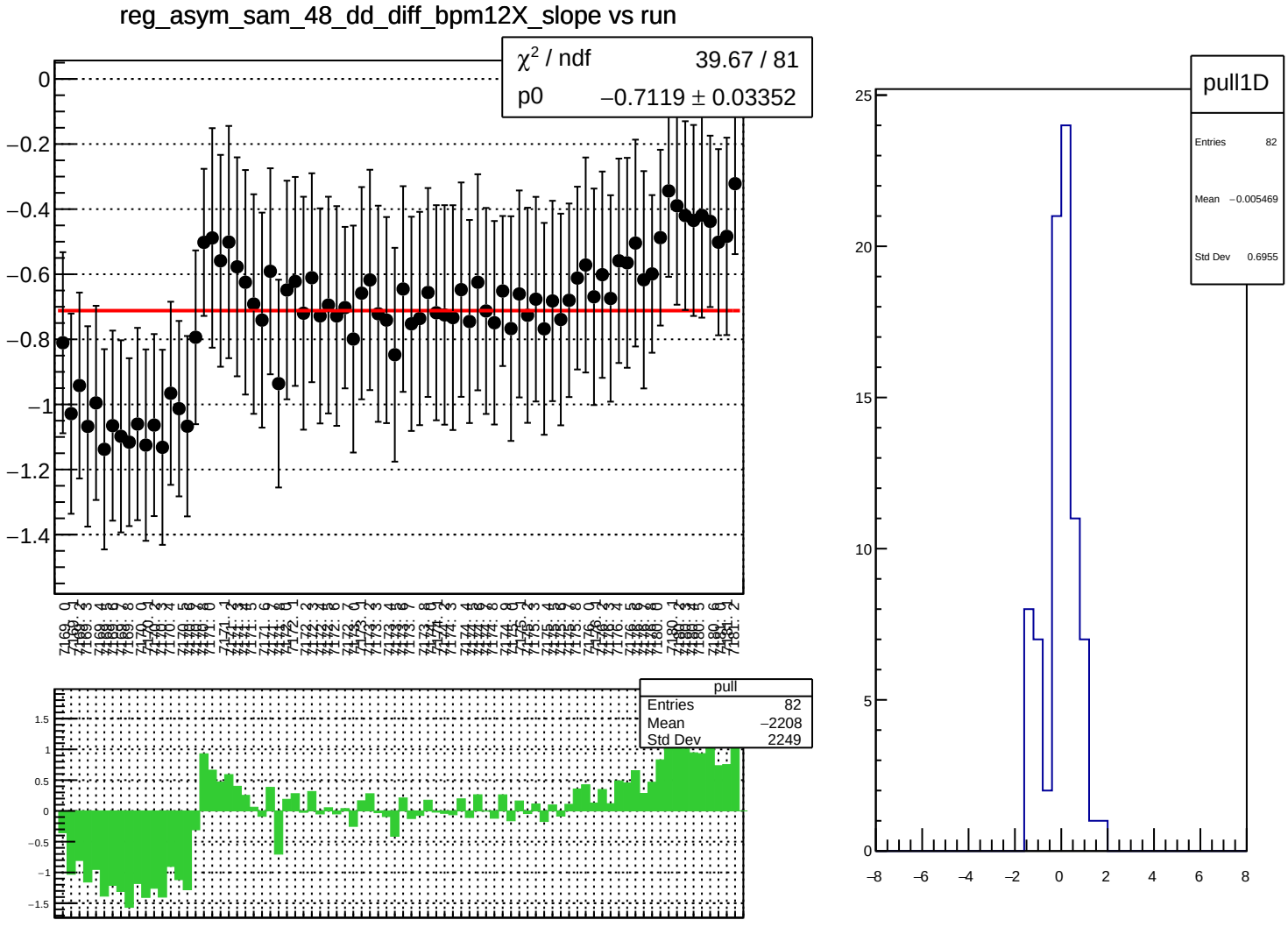

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.39 / 81
p0 31.21 ± 0.6514
pull
Entries 82
Mean −1774
Std Dev 1810

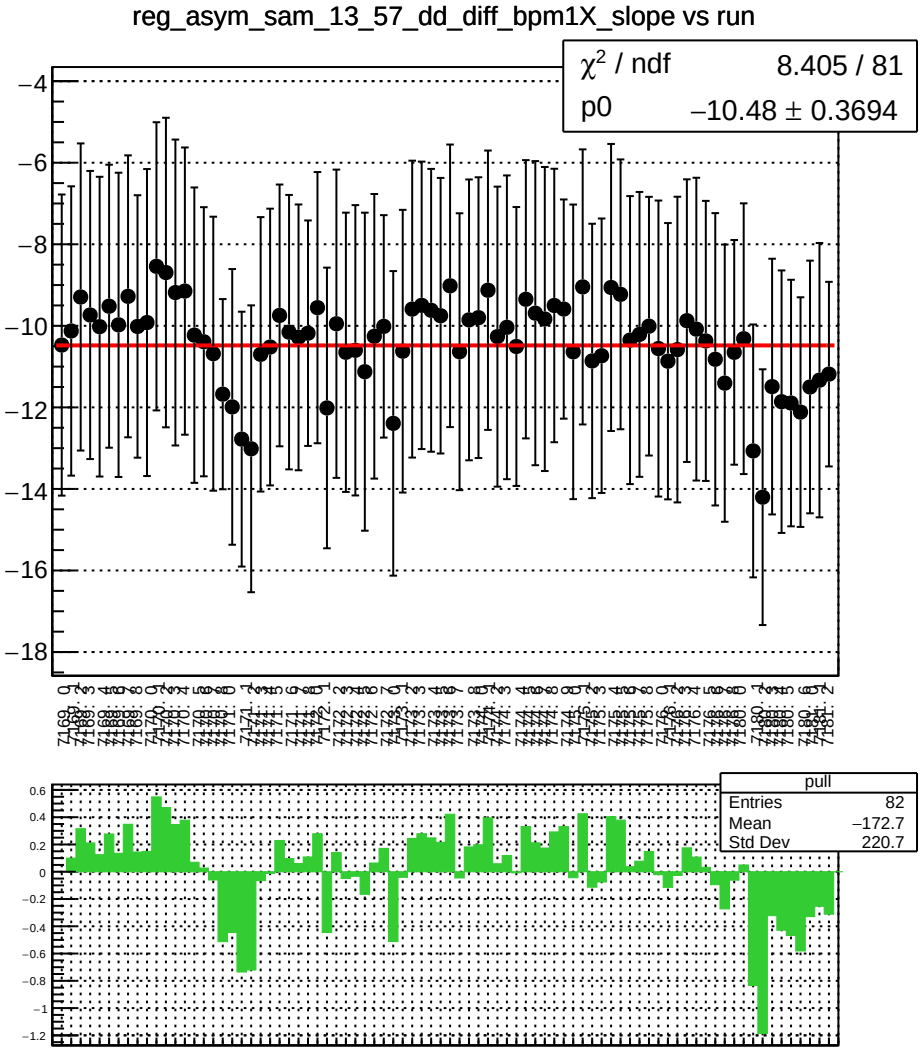

pull1D
Entries 82
Mean 0.003724
Std Dev 0.4736

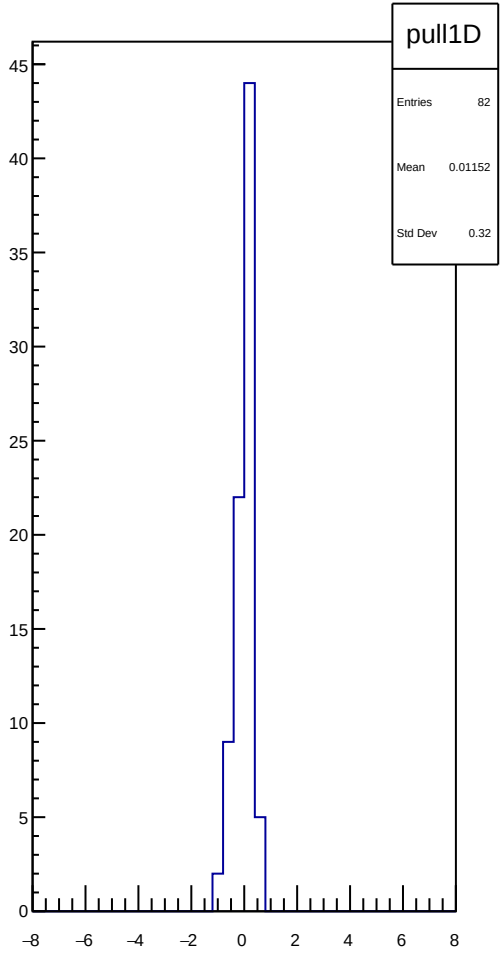

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.7 / 81
p0 −32.45 ± 0.9077
pull
Entries 82
Mean 173.4
Std Dev 133.4
pull1D
Entries 82
Mean −0.008655
Std Dev 0.4775


reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.92 / 81
p0 65.02 ± 0.7315
pull
Entries 82
Mean −315.9
Std Dev 351.6

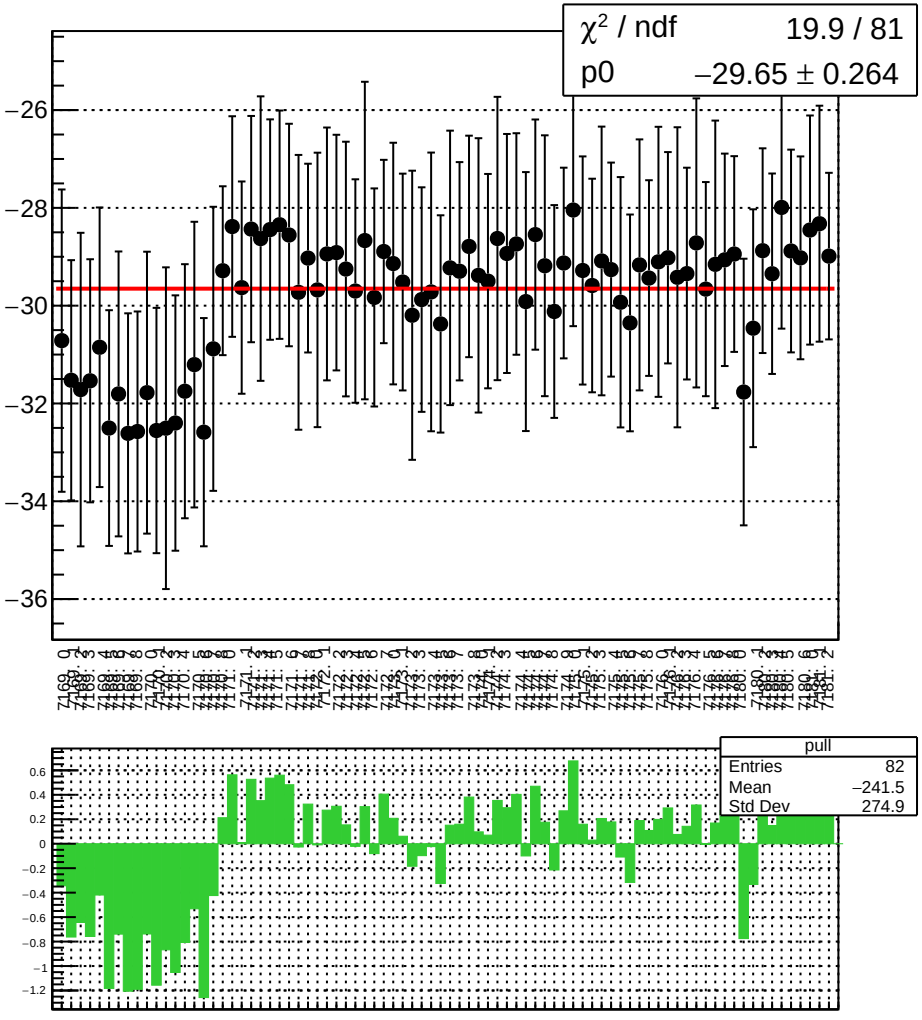

pull1D
Entries 82
Mean −0.02812
Std Dev 0.6612

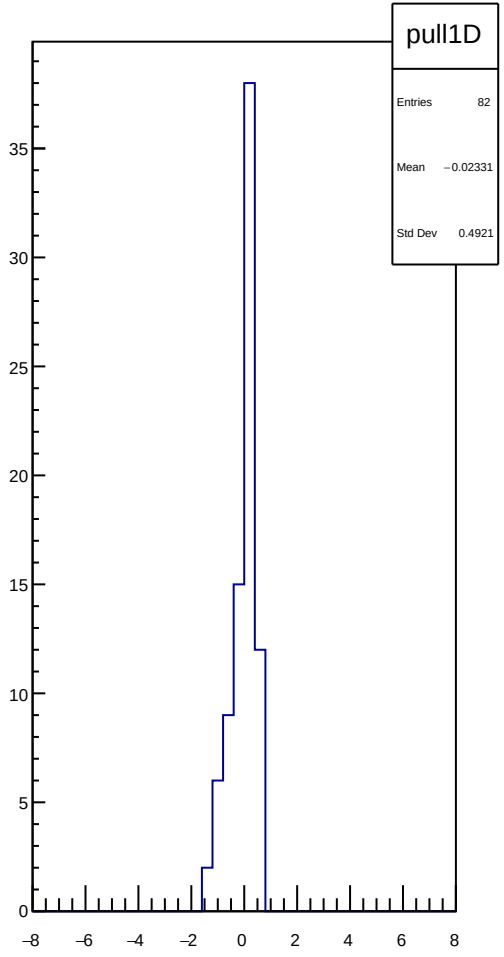

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 39.67 / 81
p0 −0.7119 ± 0.03352
pull
Entries 82
Mean −2208
Std Dev 2249
pull1D
Entries 82
Mean −0.005469
Std Dev 0.6955

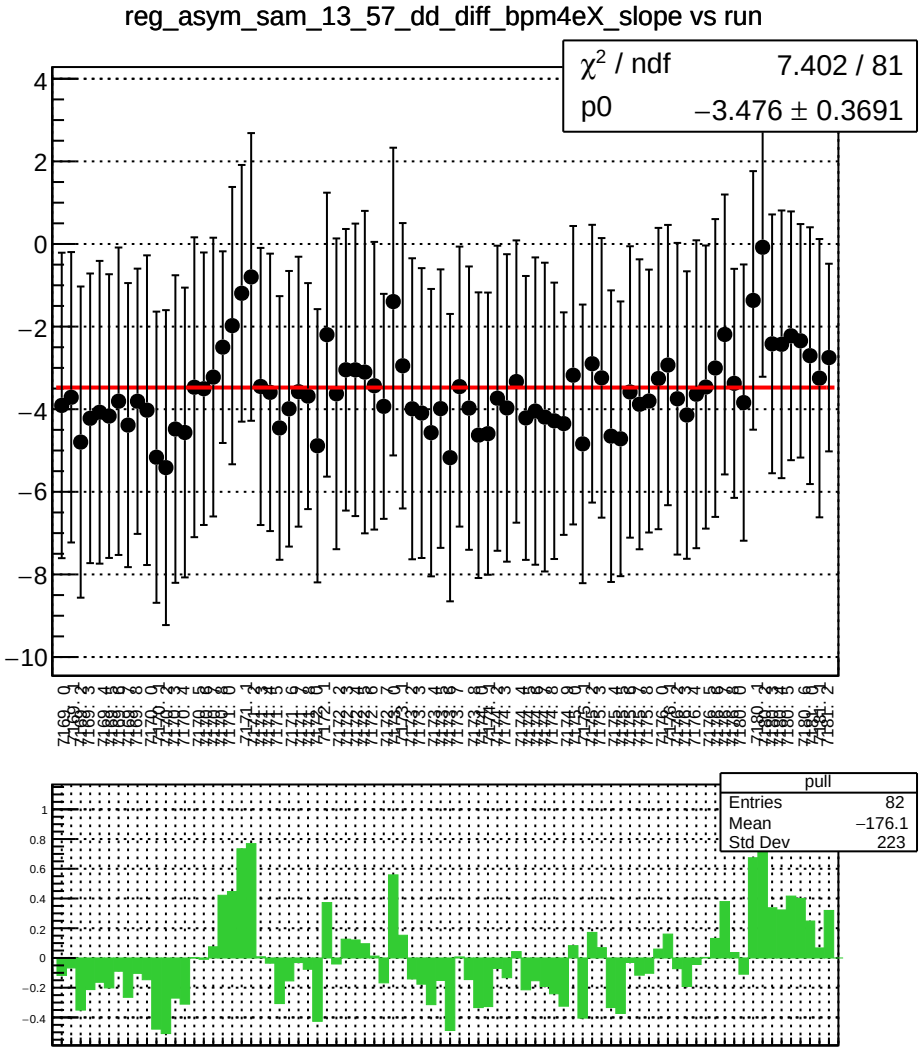

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 8.405 / 81
p0 −10.48 ± 0.3694
pull
Entries 82
Mean −172.7
Std Dev 220.7

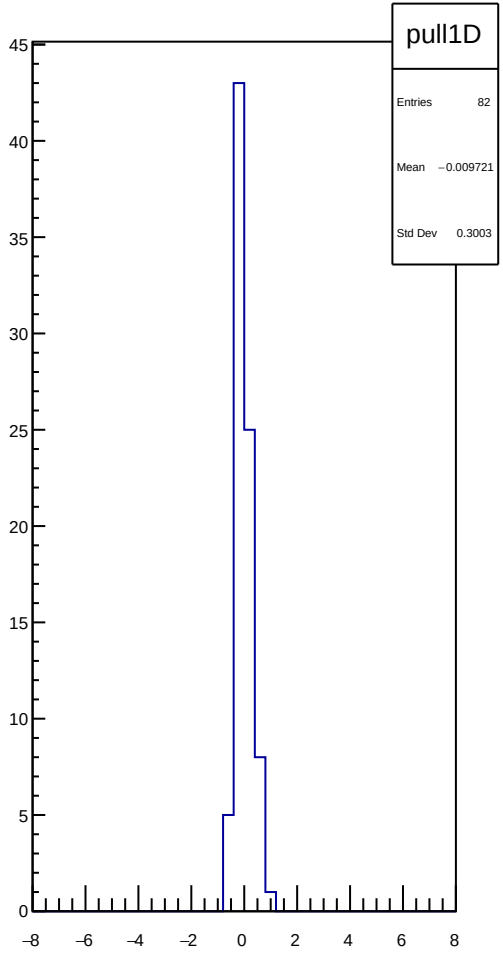

pull1D
Entries 82
Mean 0.01152
Std Dev 0.32

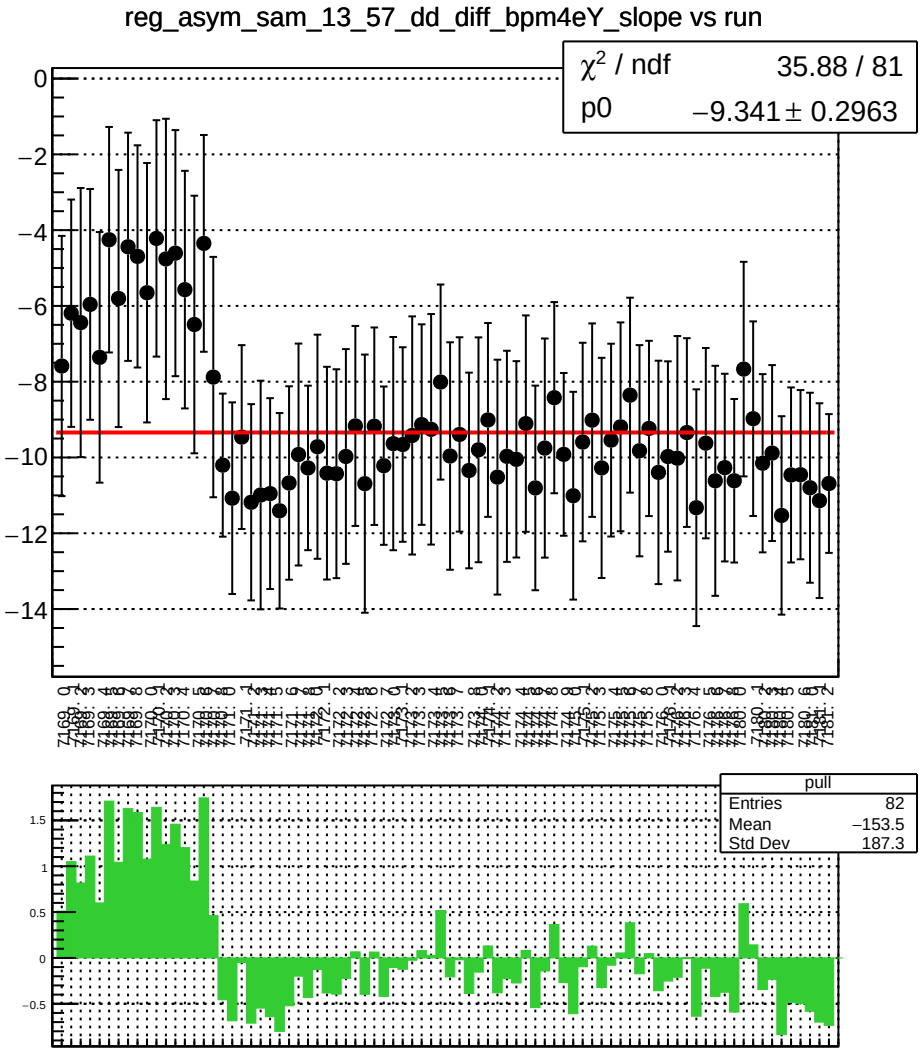
reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run

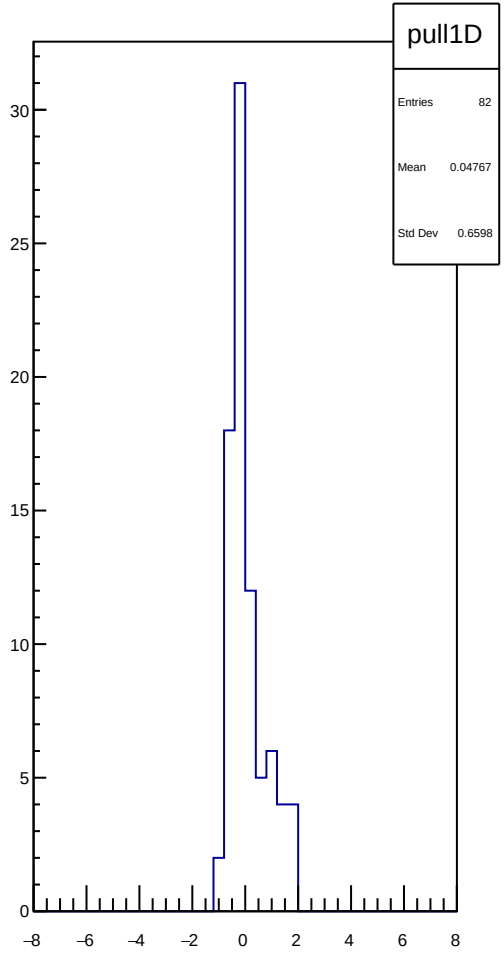


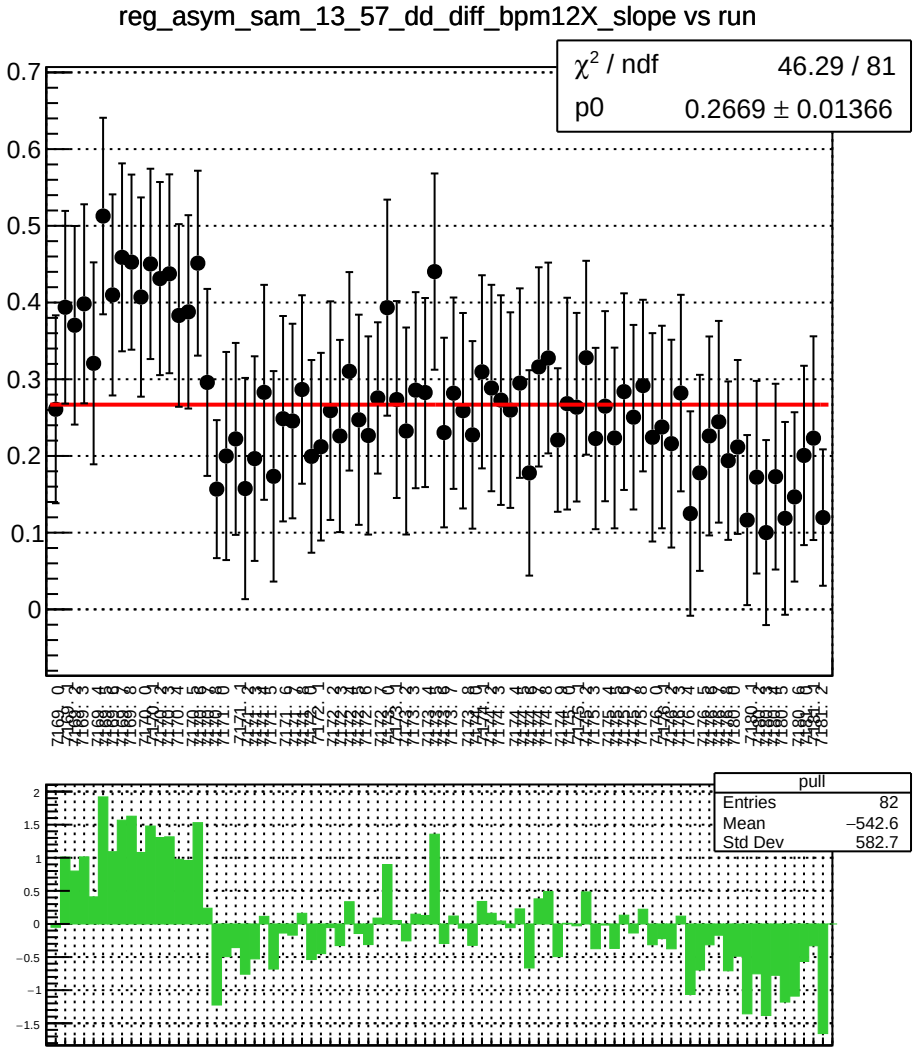


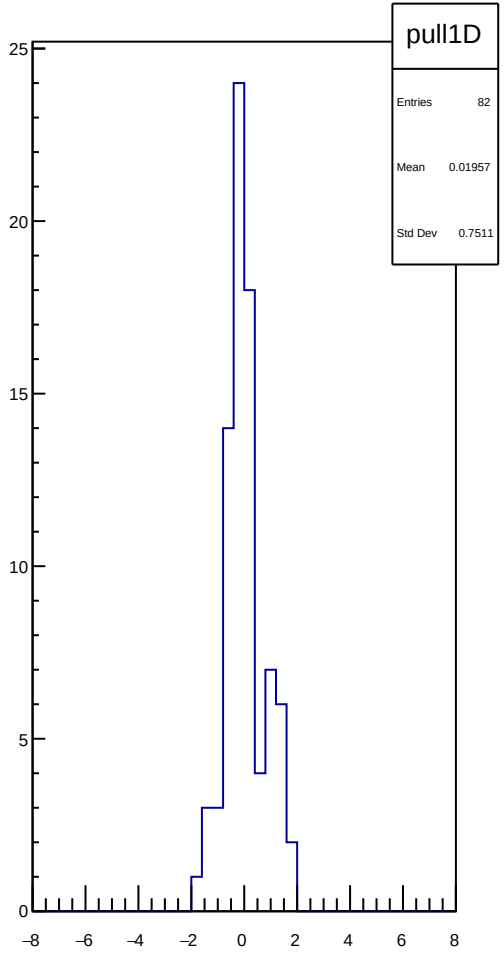

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.402 / 81
p0 −3.476 ± 0.3691
pull
Entries 82
Mean −176.1
Std Dev 223

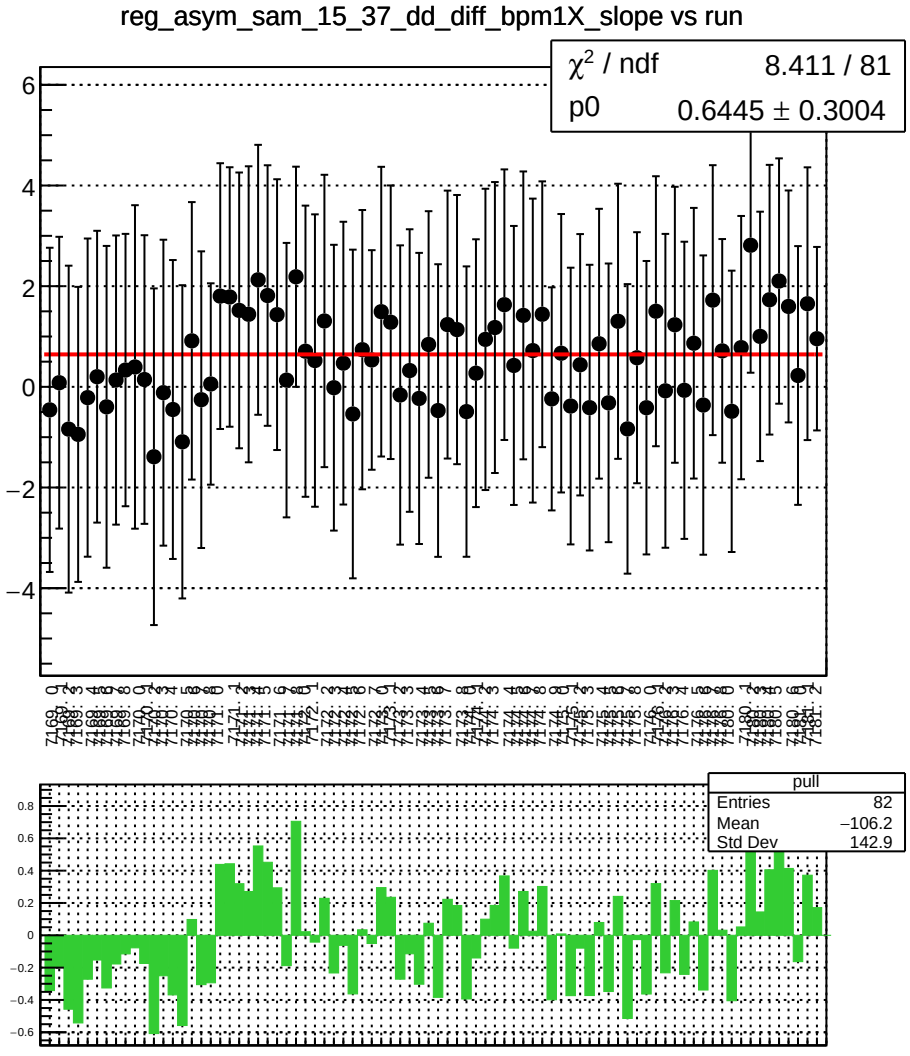

pull1D
Entries 82
Mean −0.009721
Std Dev 0.3003

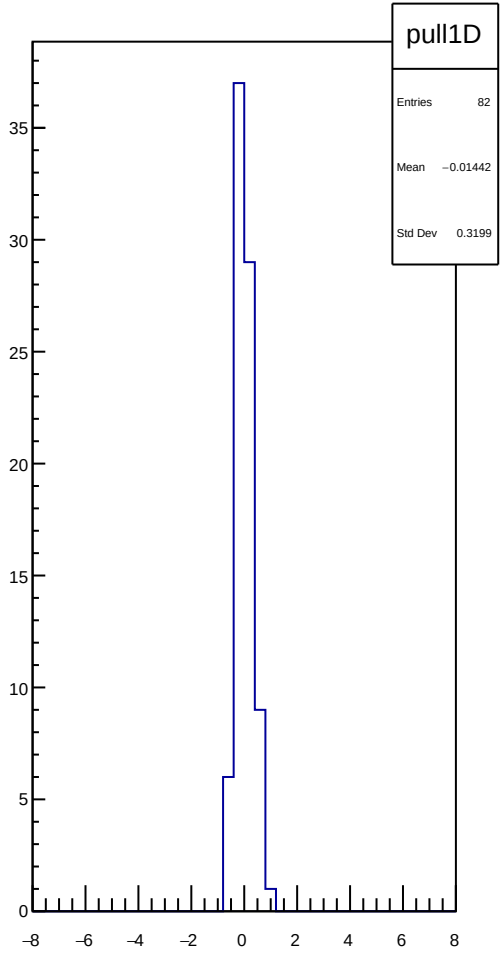

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 35.88 / 81
p0 −9.341 ± 0.2963
pull
Entries 82
Mean −153.5
Std Dev 187.3

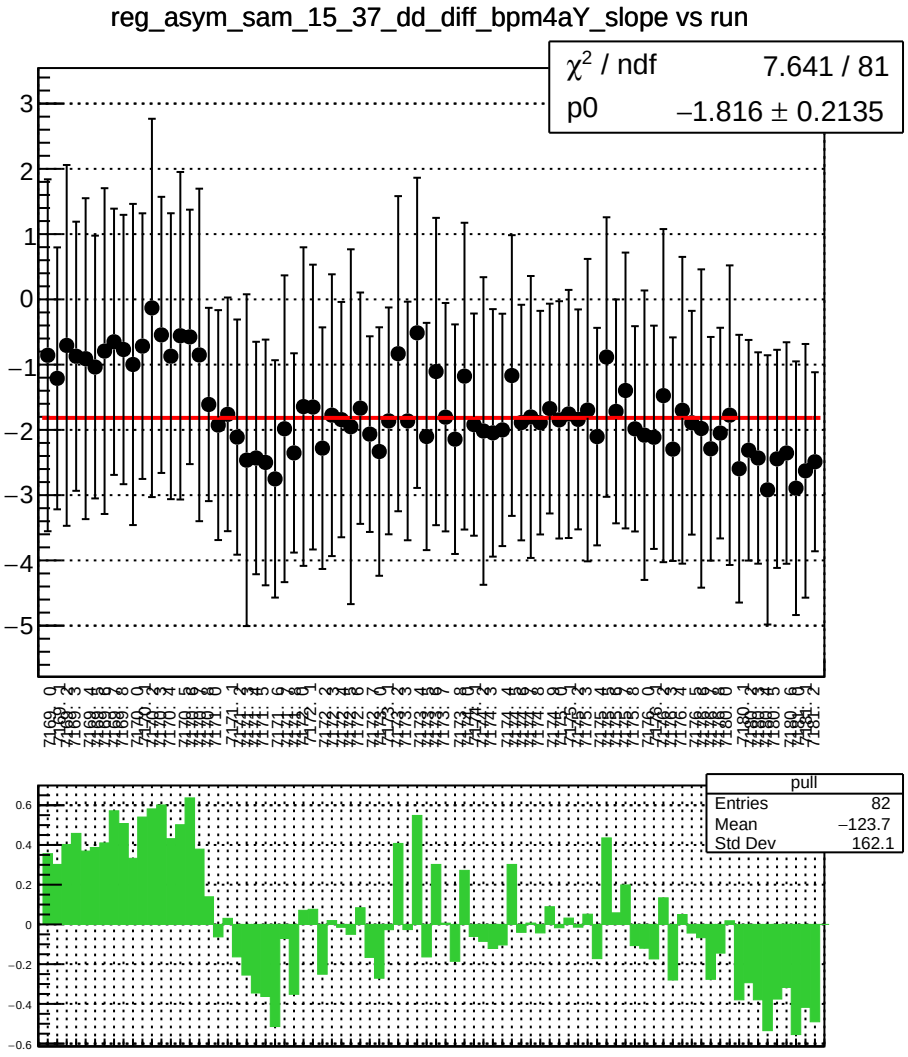

pull1D
Entries 82
Mean 0.04767
Std Dev 0.6598

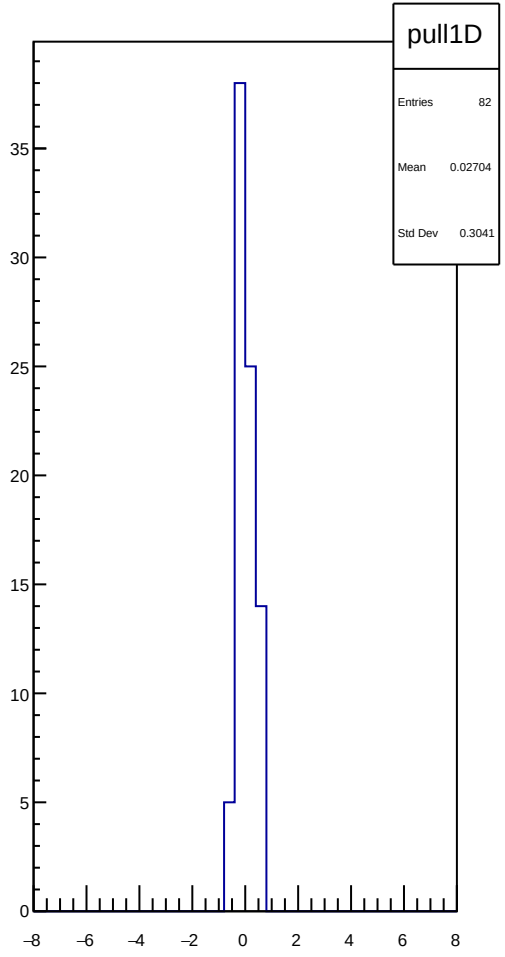

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 46.29 / 81
p0 0.2669 ± 0.01366
pull
Entries 82
Mean −542.6
Std Dev 582.7

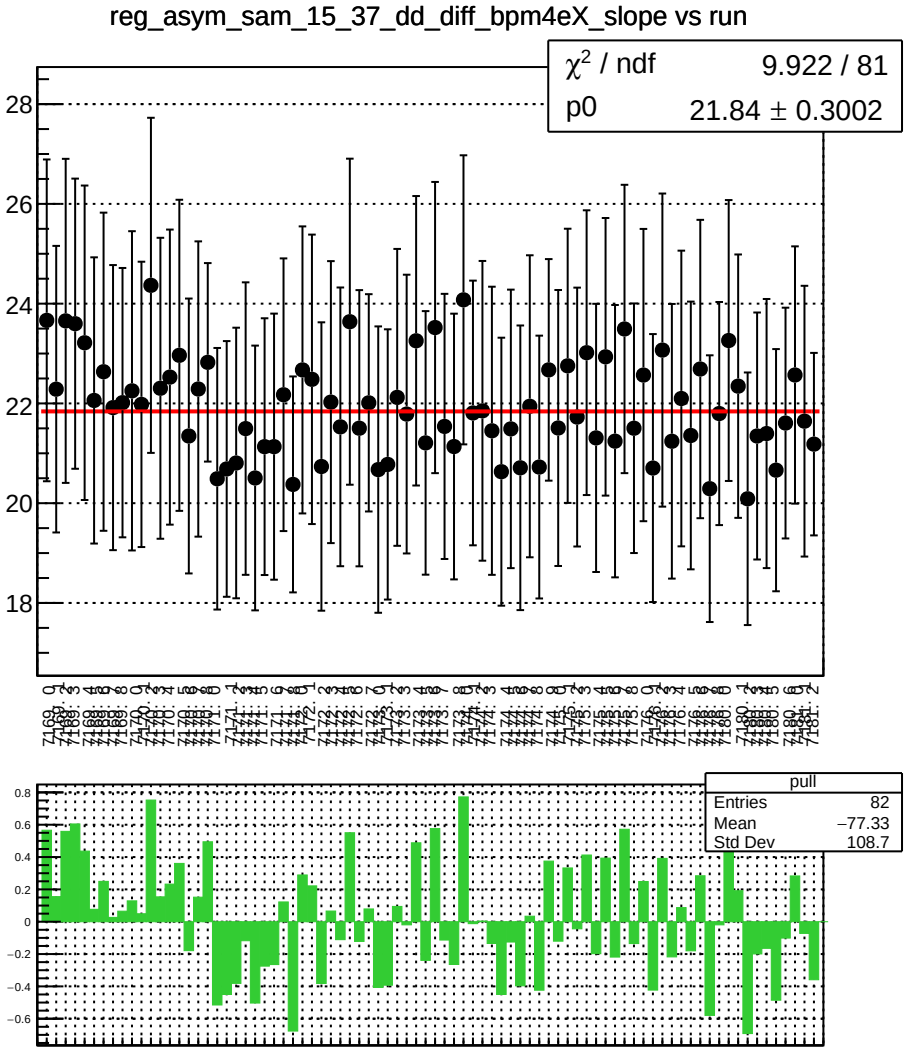

pull1D
Entries 82
Mean 0.01957
Std Dev 0.7511

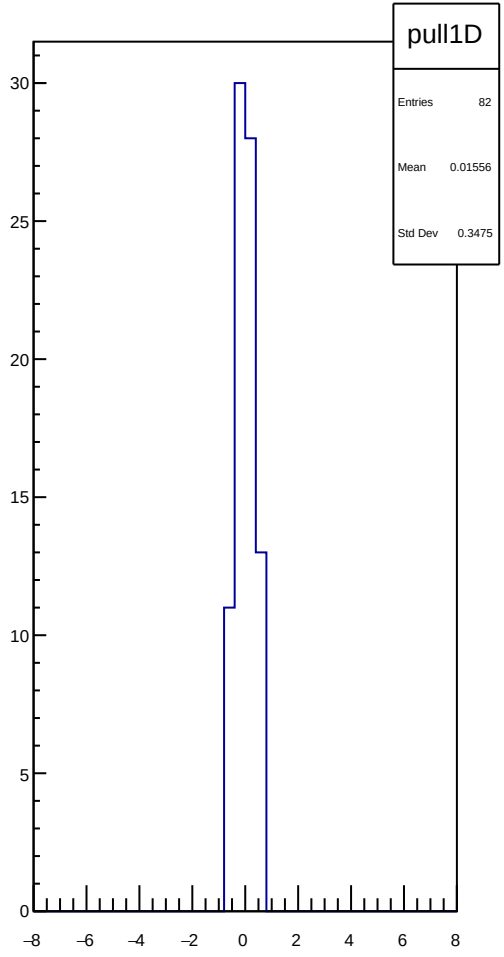

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 8.411 / 81
p0 0.6445 ± 0.3004
pull
Entries 82
Mean −106.2
Std Dev 142.9

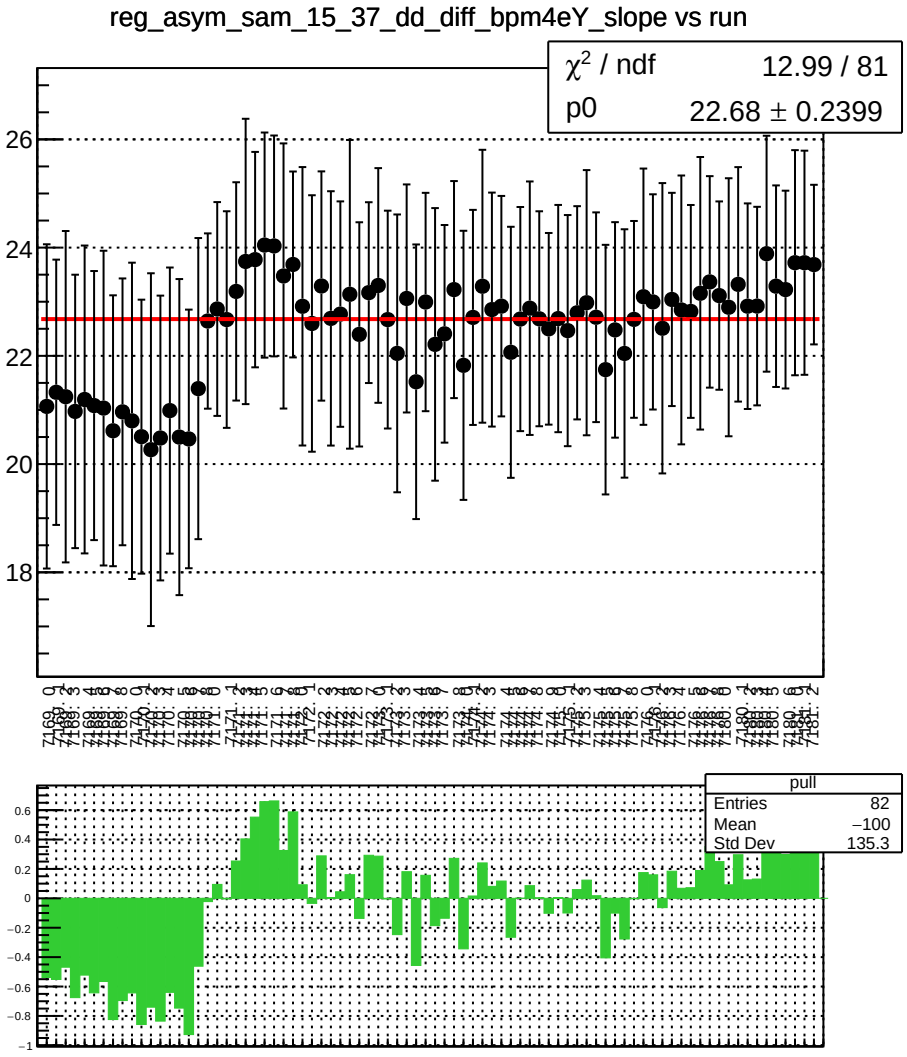

pull1D
Entries 82
Mean −0.01442
Std Dev 0.3199

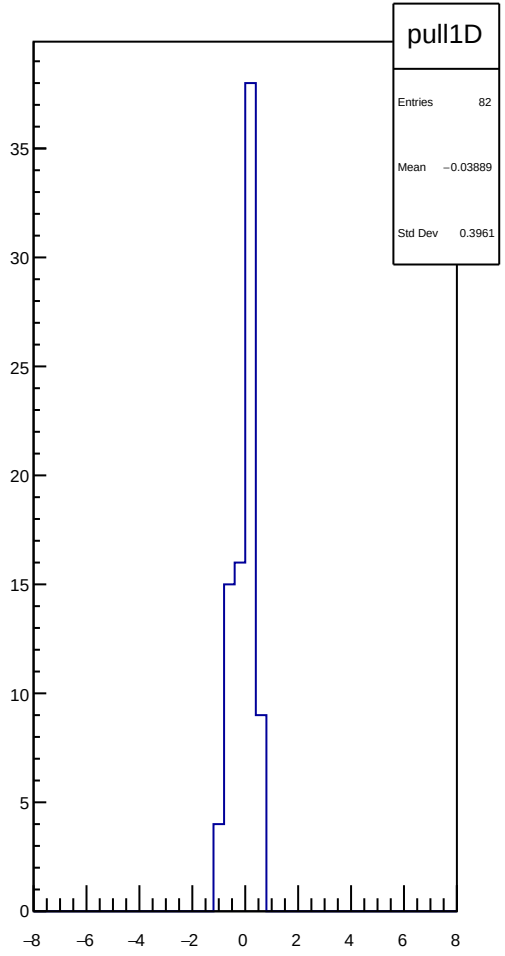

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.641 / 81
p0 −1.816 ± 0.2135
pull
Entries 82
Mean −123.7
Std Dev 162.1

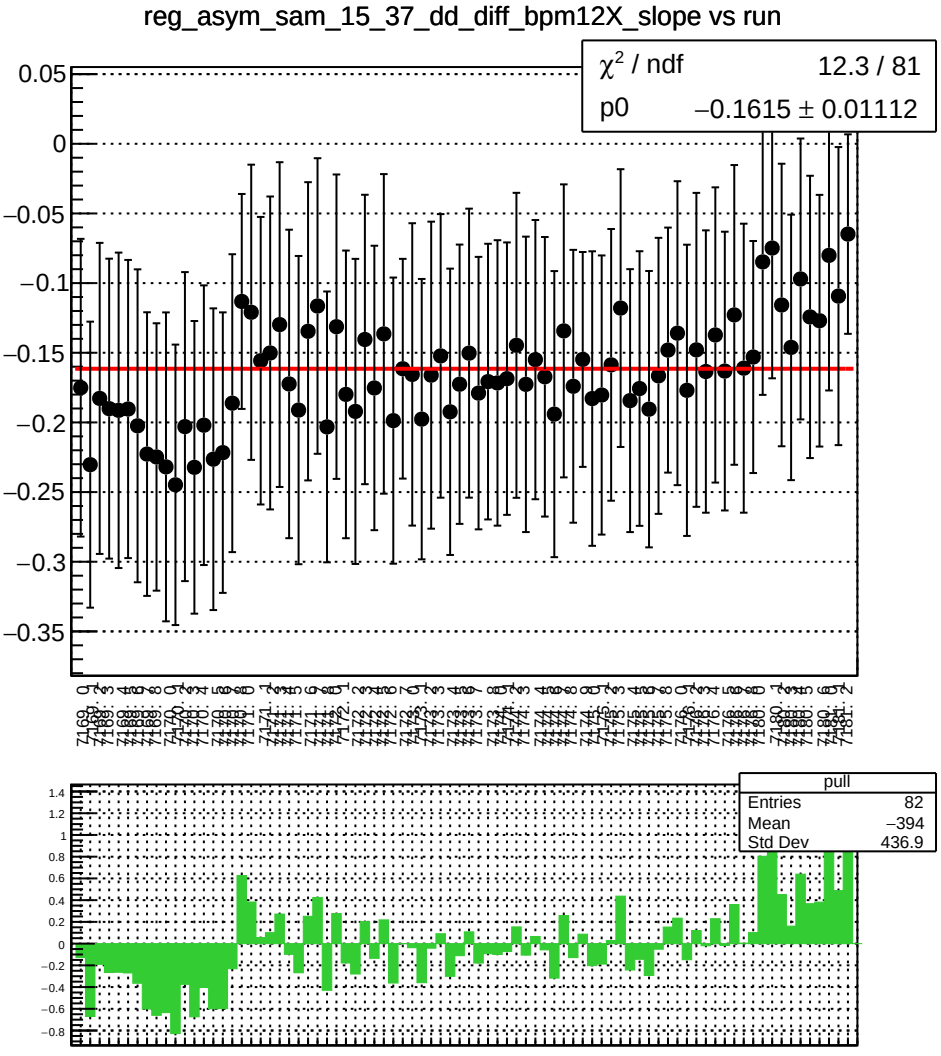

pull1D
Entries 82
Mean 0.02704
Std Dev 0.3041

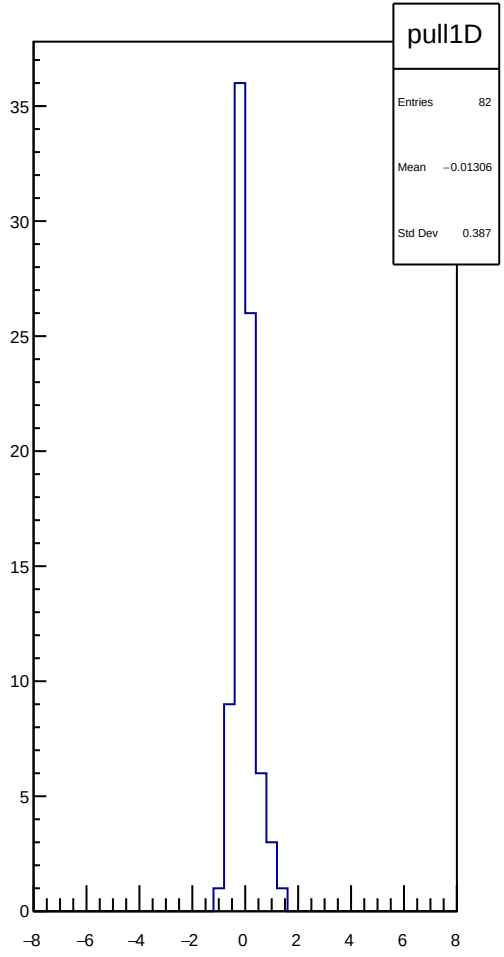

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.922 / 81
p0 21.84 ± 0.3002
pull
Entries 82
Mean −77.33
Std Dev 108.7

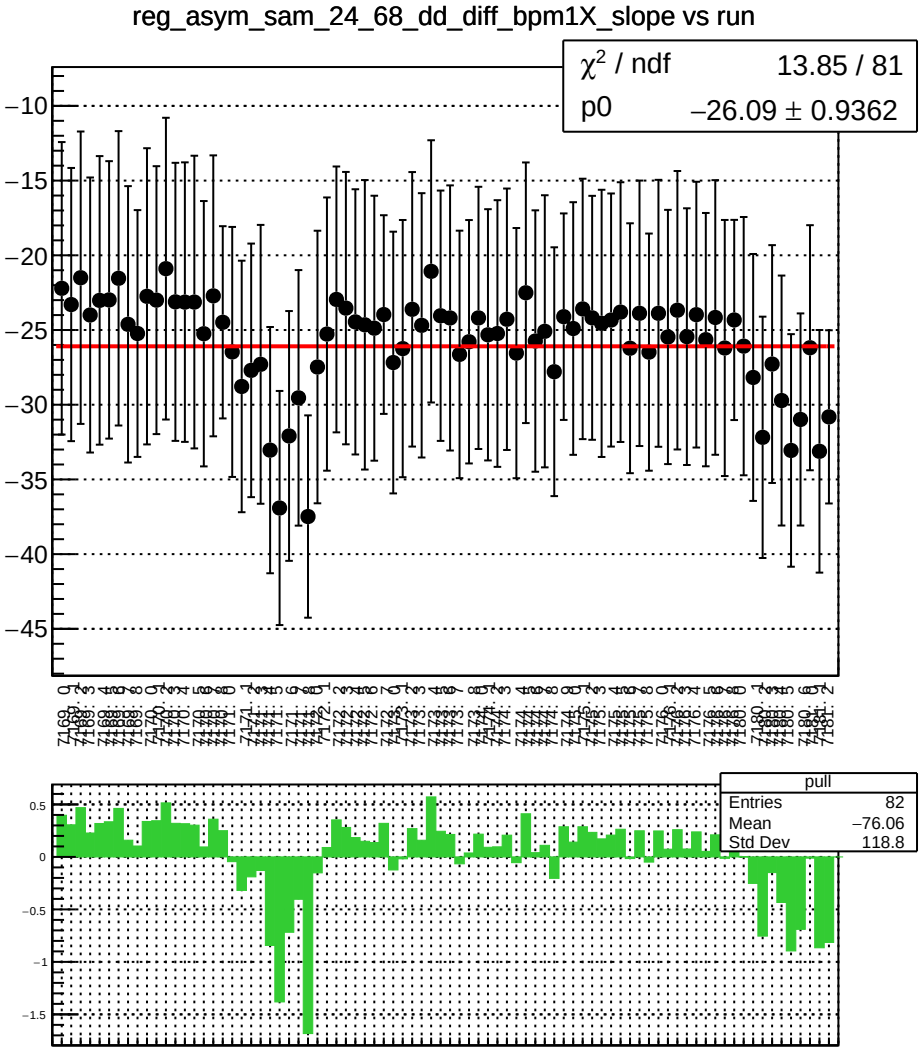

pull1D
Entries 82
Mean 0.01556
Std Dev 0.3475

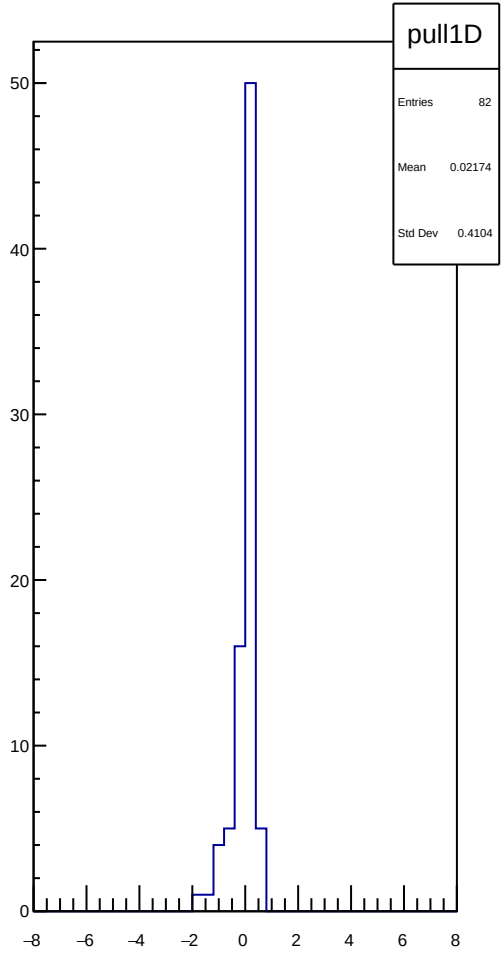

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.99 / 81
p0 22.68 ± 0.2399
pull
Entries 82
Mean −100
Std Dev 135.3

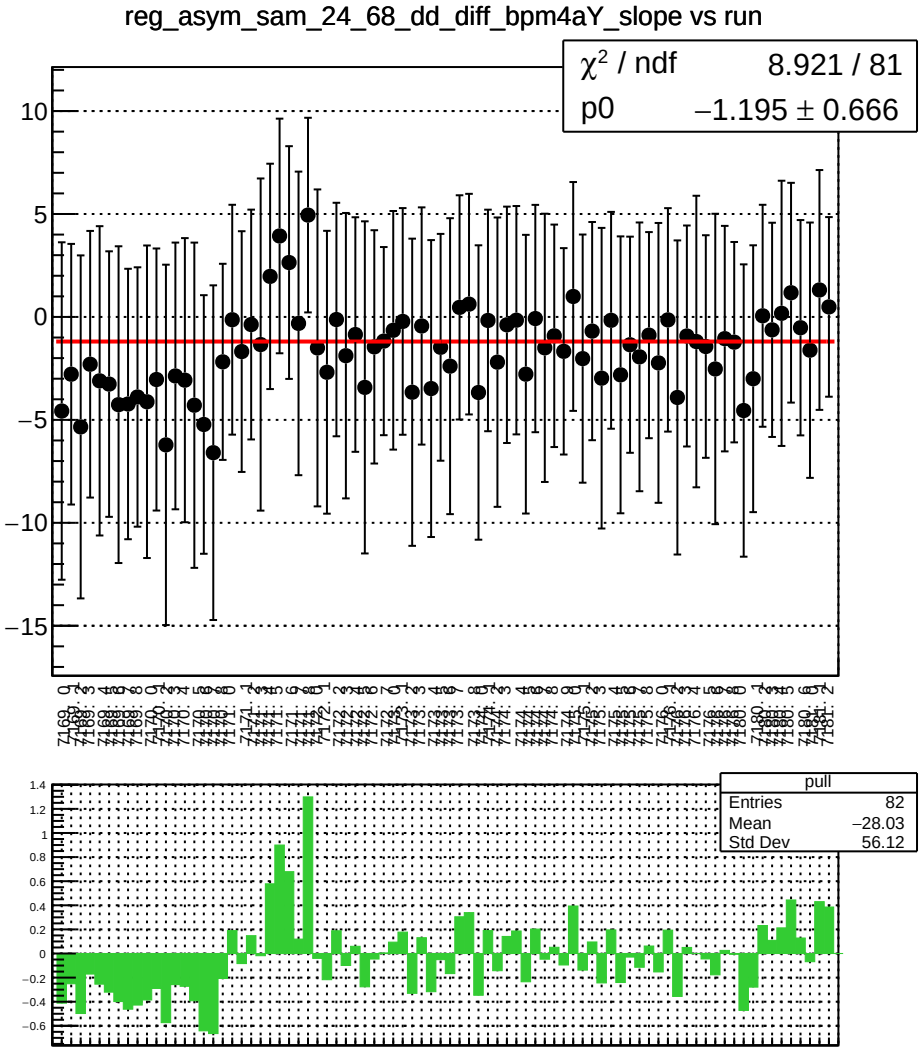

pull1D
Entries 82
Mean −0.03889
Std Dev 0.3961

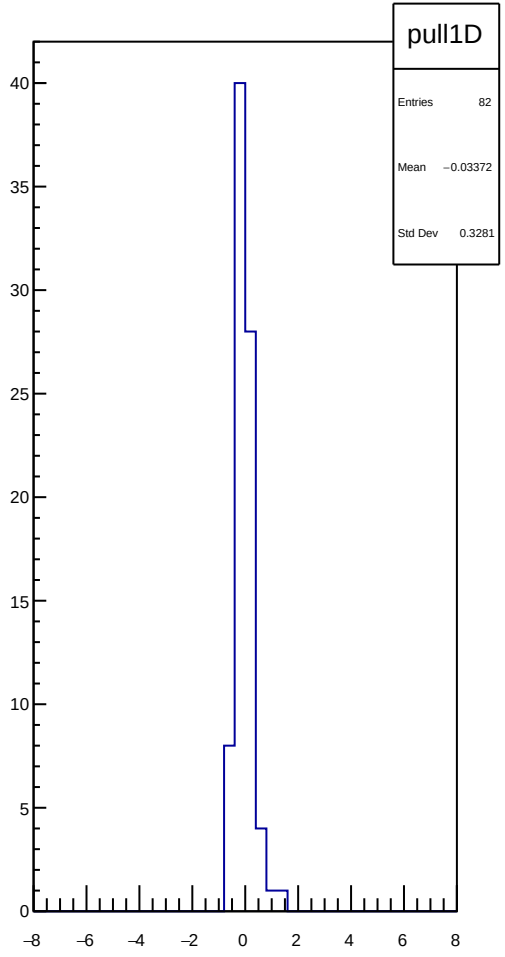

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 12.3 / 81
p0 −0.1615 ± 0.01112
pull
Entries 82
Mean −394
Std Dev 436.9

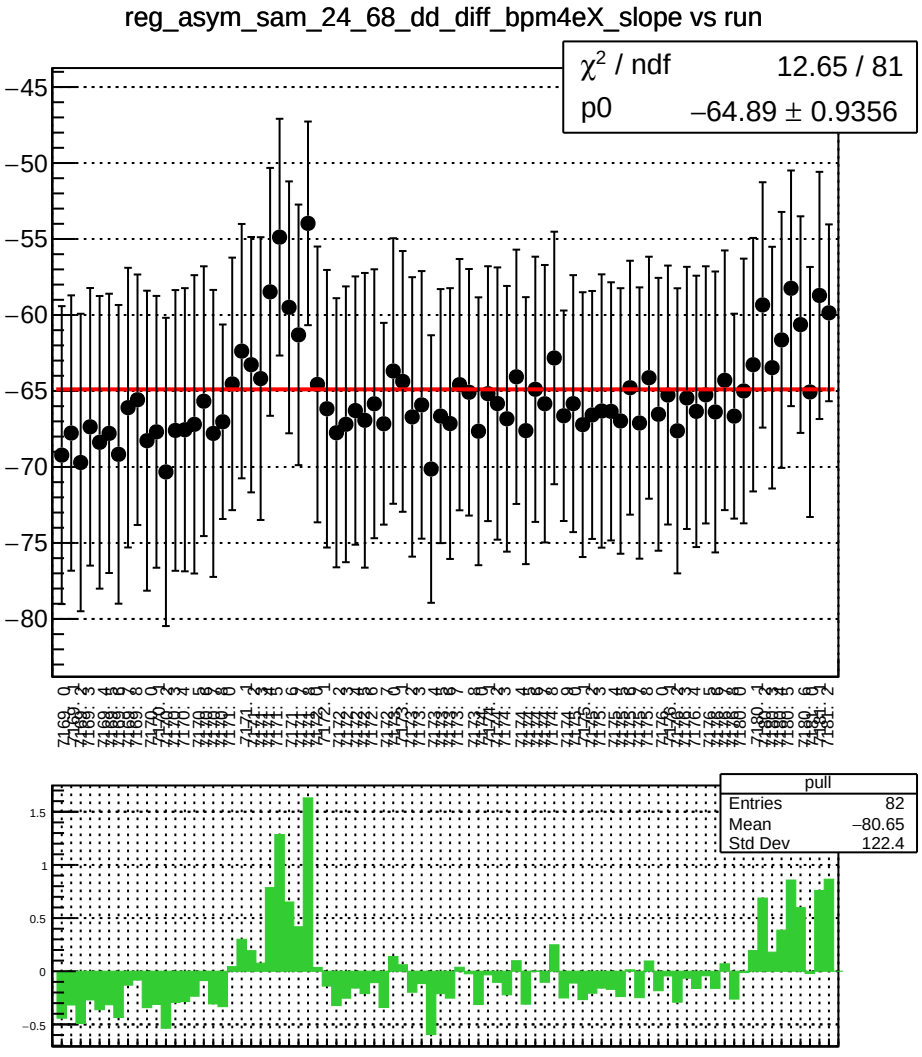

pull1D
Entries 82
Mean −0.01306
Std Dev 0.387

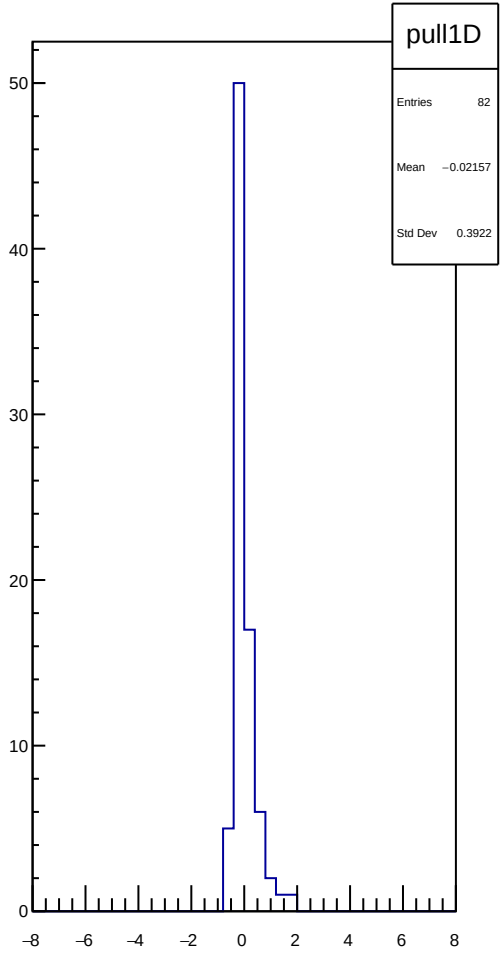

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 13.85 / 81
p0 −26.09 ± 0.9362
pull
Entries 82
Mean −76.06
Std Dev 118.8

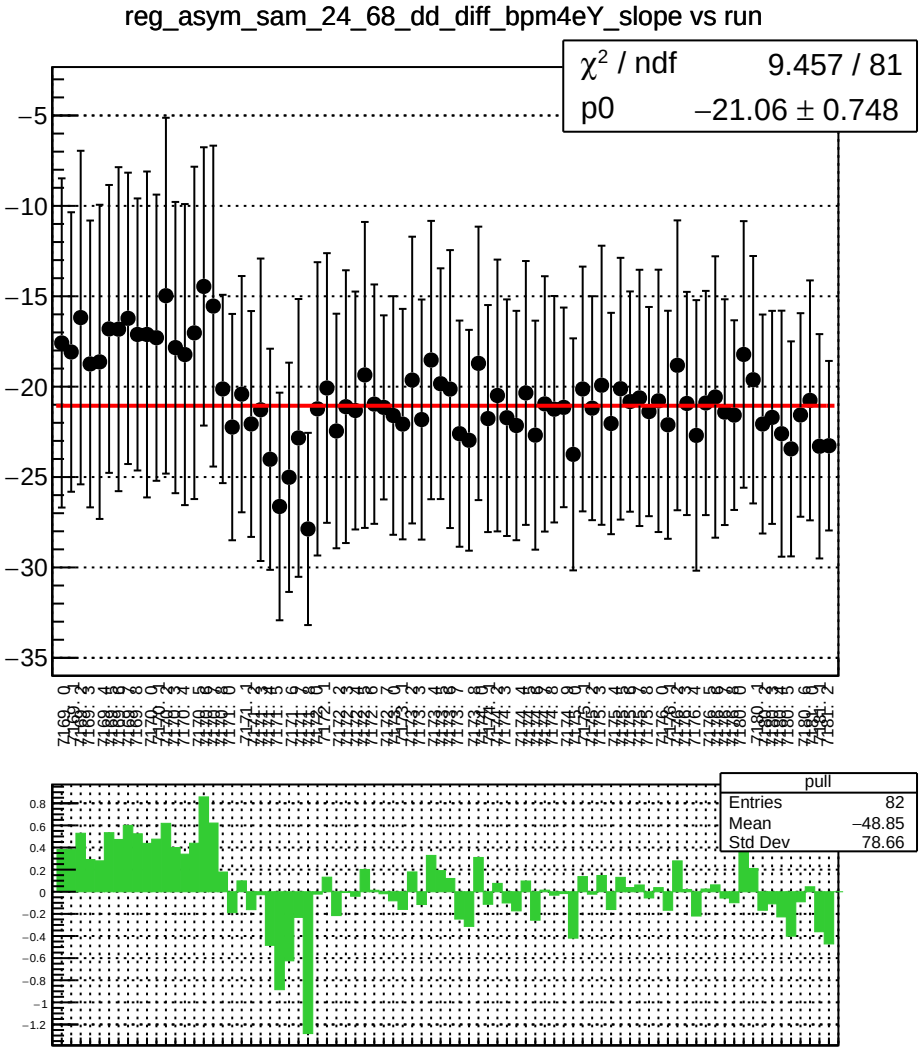

pull1D
Entries 82
Mean 0.02174
Std Dev 0.4104

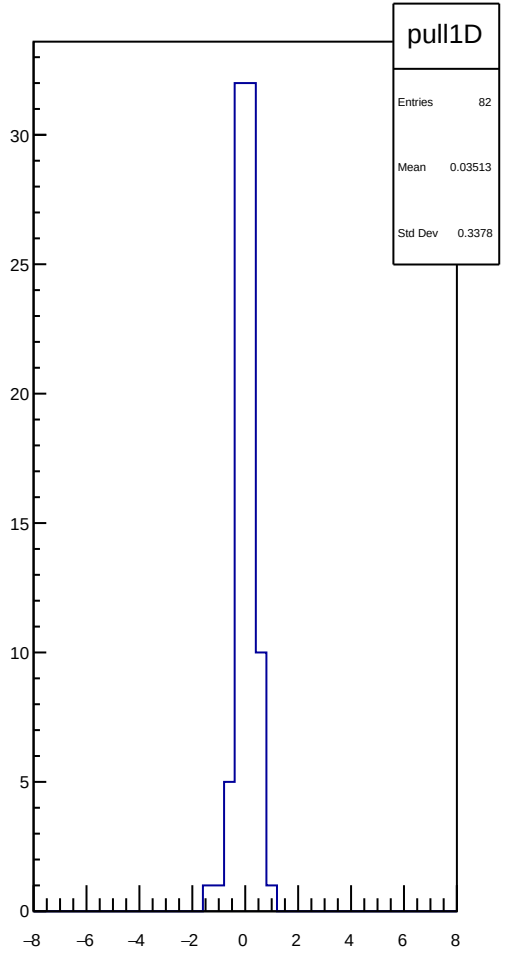

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.921 / 81
p0 −1.195 ± 0.666
pull
Entries 82
Mean −28.03
Std Dev 56.12

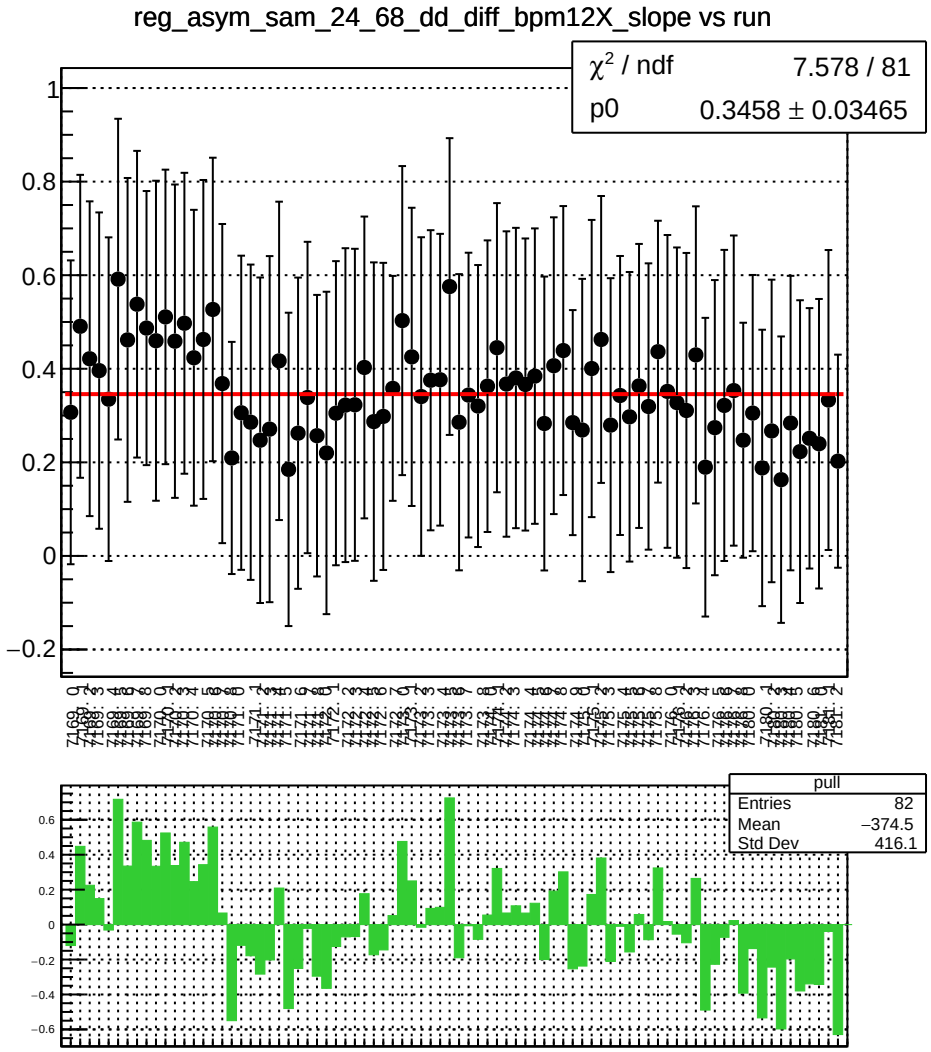

pull1D
Entries 82
Mean −0.03372
Std Dev 0.3281

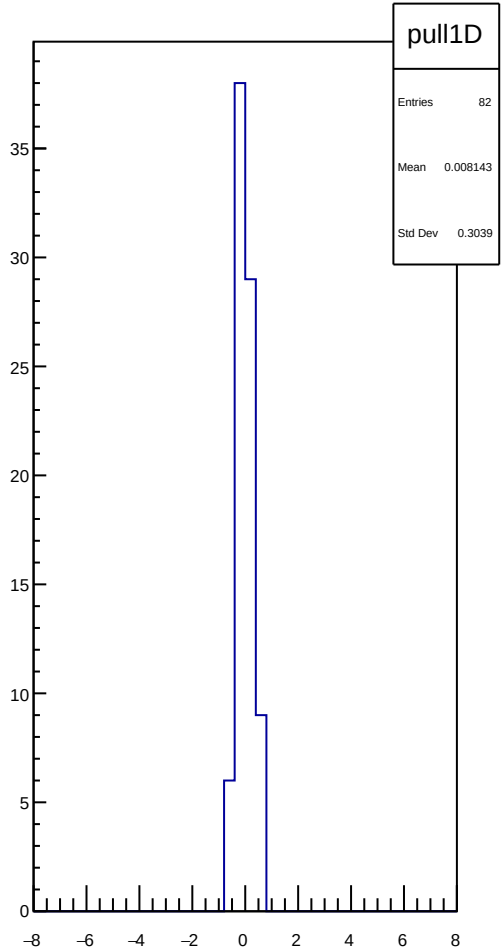

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.65 / 81
p0 −64.89 ± 0.9356
pull
Entries 82
Mean −80.65
Std Dev 122.4

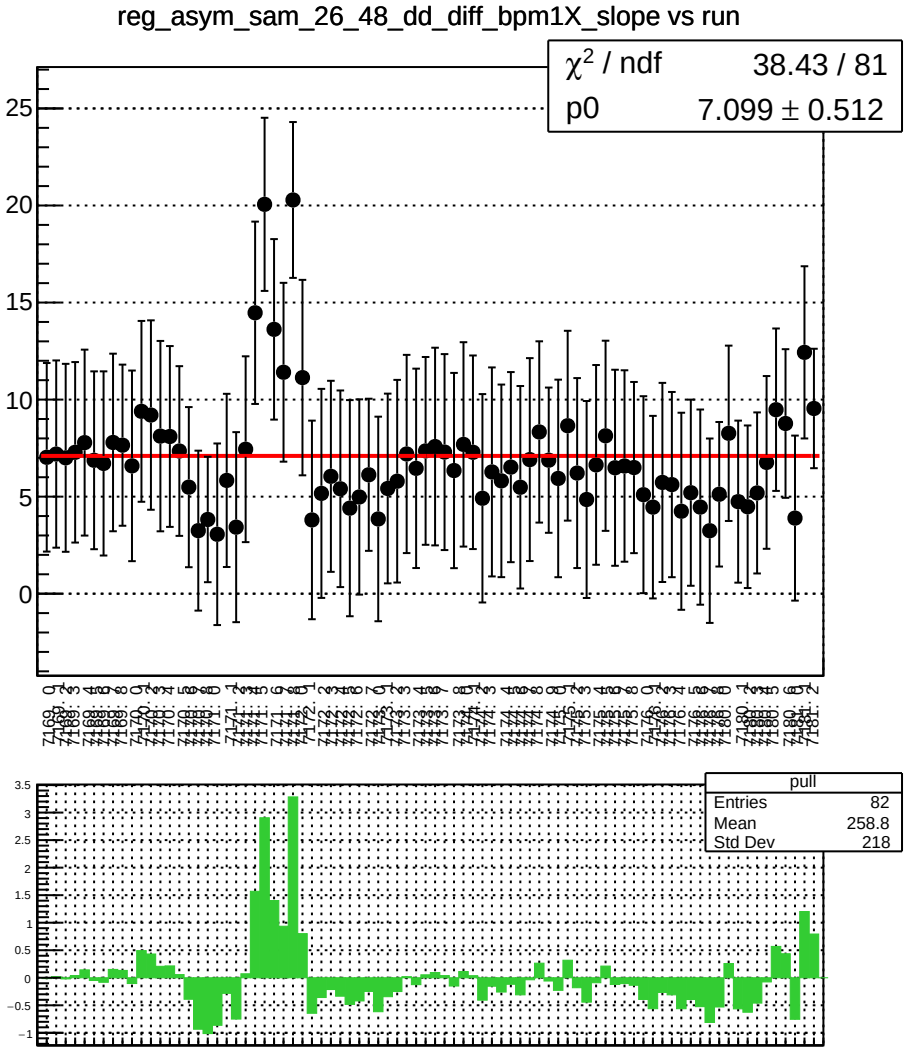

pull1D
Entries 82
Mean −0.02157
Std Dev 0.3922

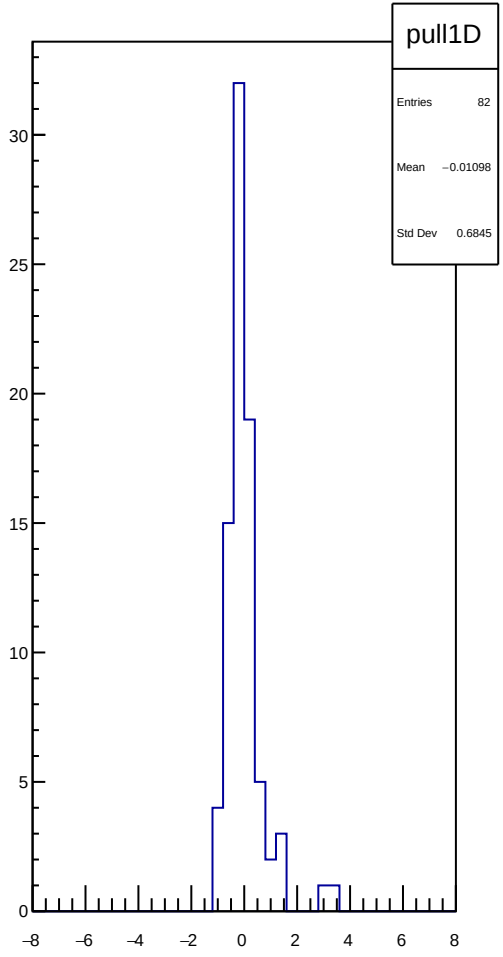

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.457 / 81
p0 −21.06 ± 0.748
pull
Entries 82
Mean −48.85
Std Dev 78.66

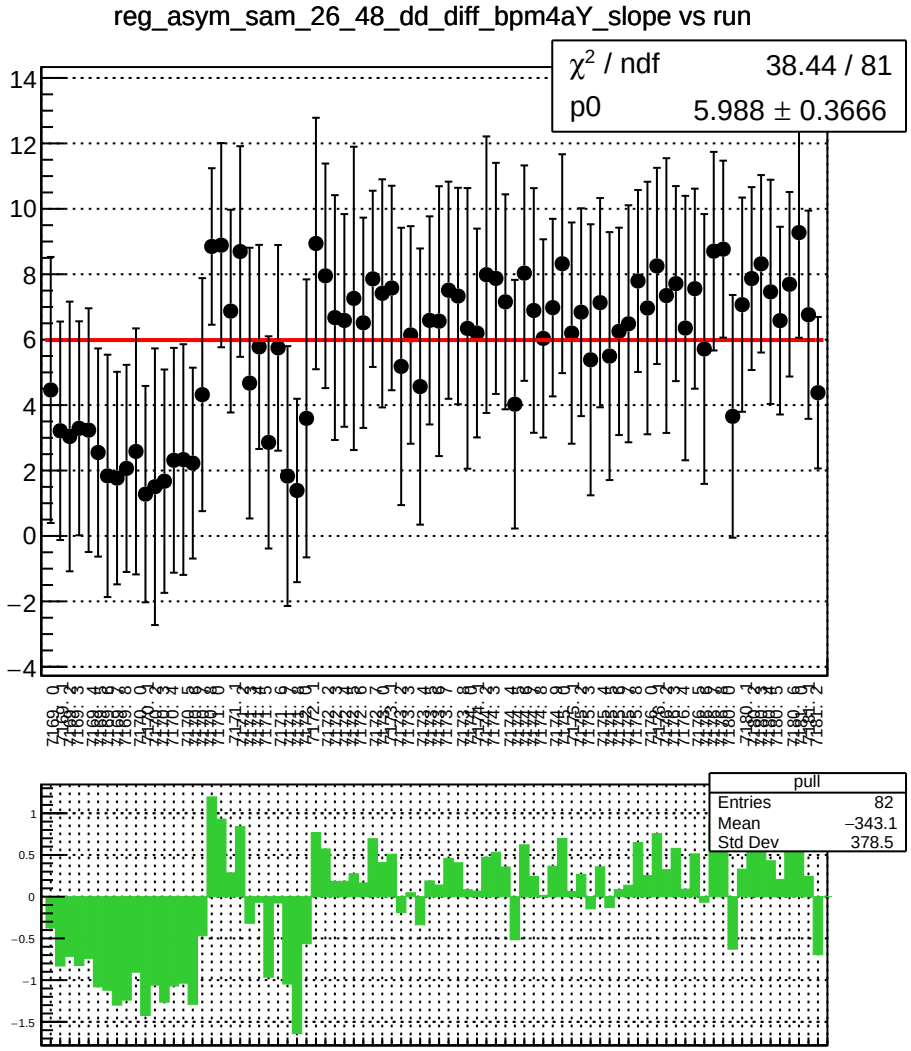

pull1D
Entries 82
Mean 0.03513
Std Dev 0.3378

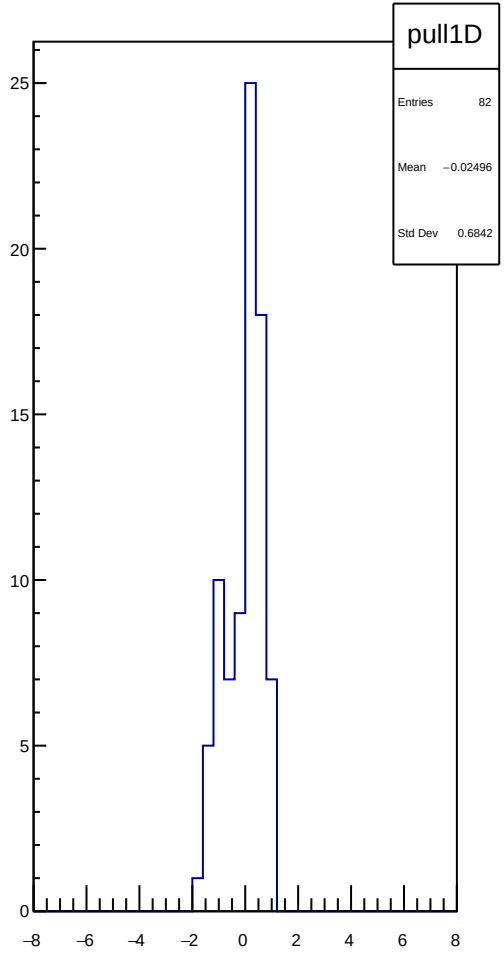

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.578 / 81
p0 0.3458 ± 0.03465
pull
Entries 82
Mean −374.5
Std Dev 416.1


pull1D
Entries 82
Mean 0.008143
Std Dev 0.3039

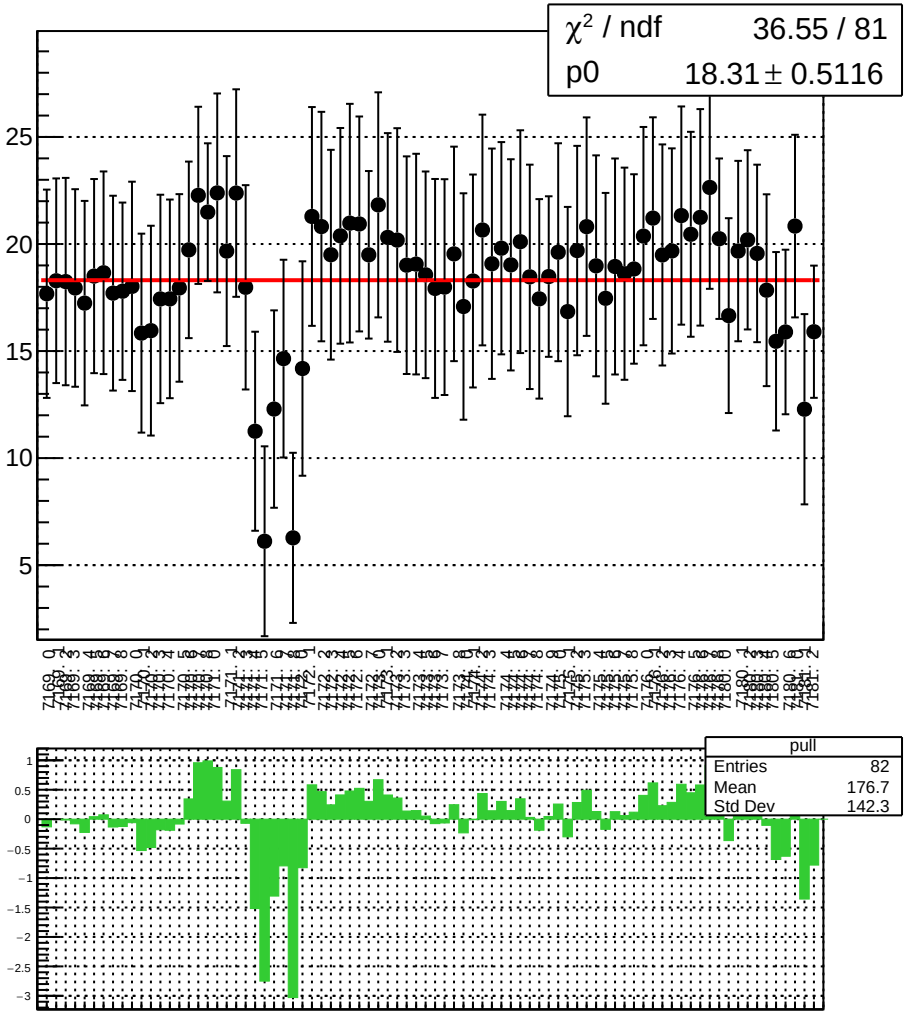

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ2 / ndf 38.43 / 81
p0 7.099 ± 0.512
pull
Entries 82
Mean 258.8
Std Dev 218

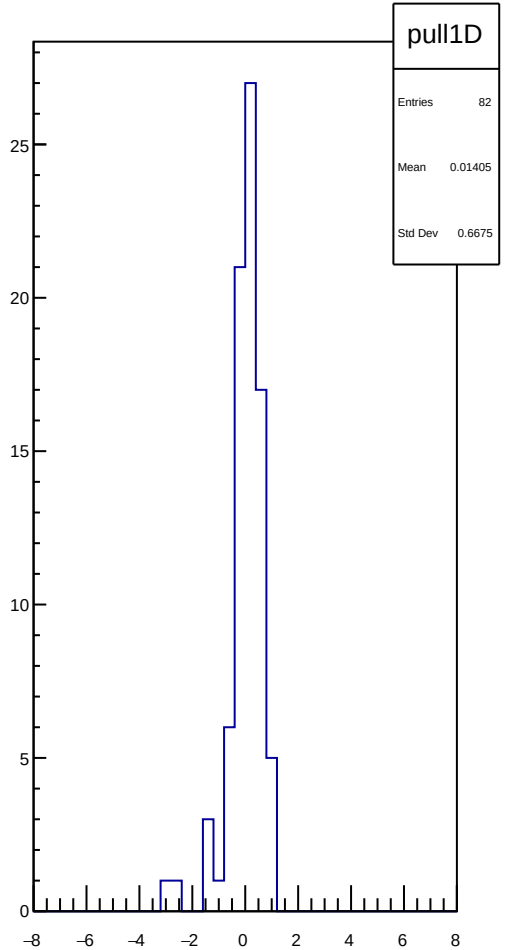

pull1D
Entries 82
Mean −0.01098
Std Dev 0.6845

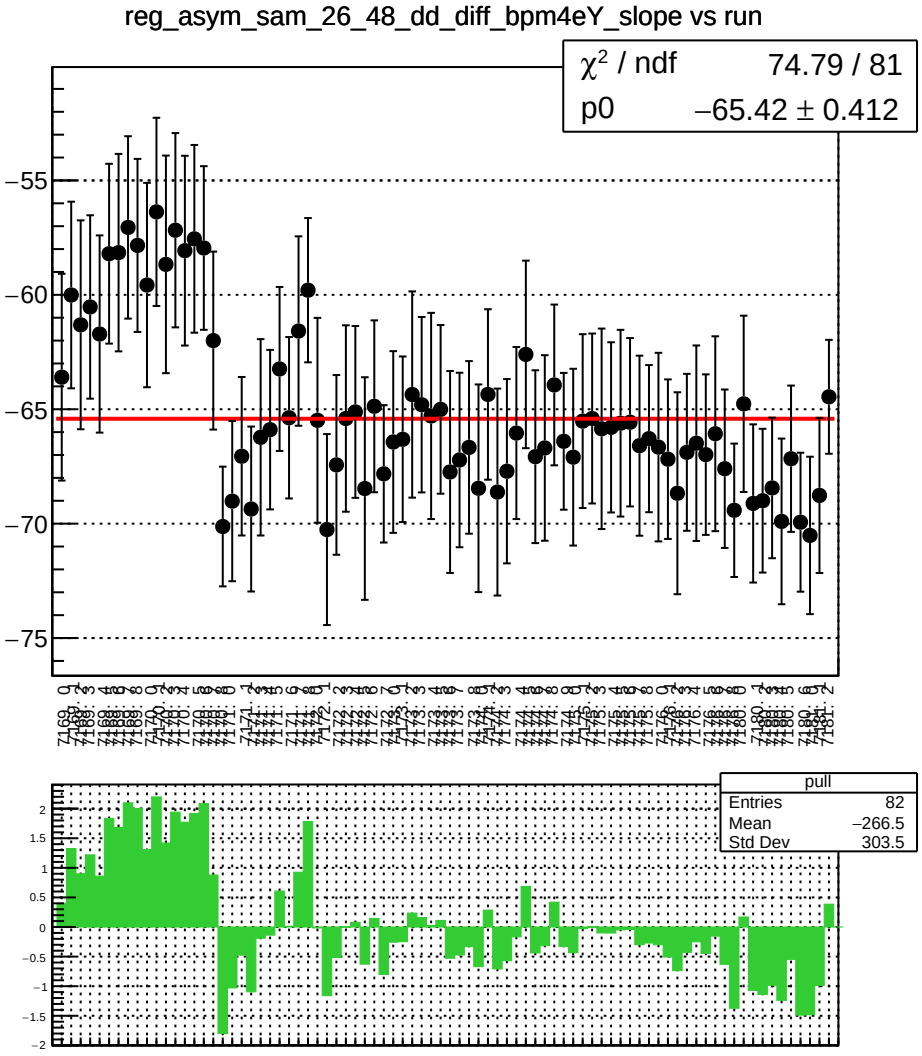

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.44 / 81
p0 5.988 ± 0.3666
pull
Entries 82
Mean −343.1
Std Dev 378.5

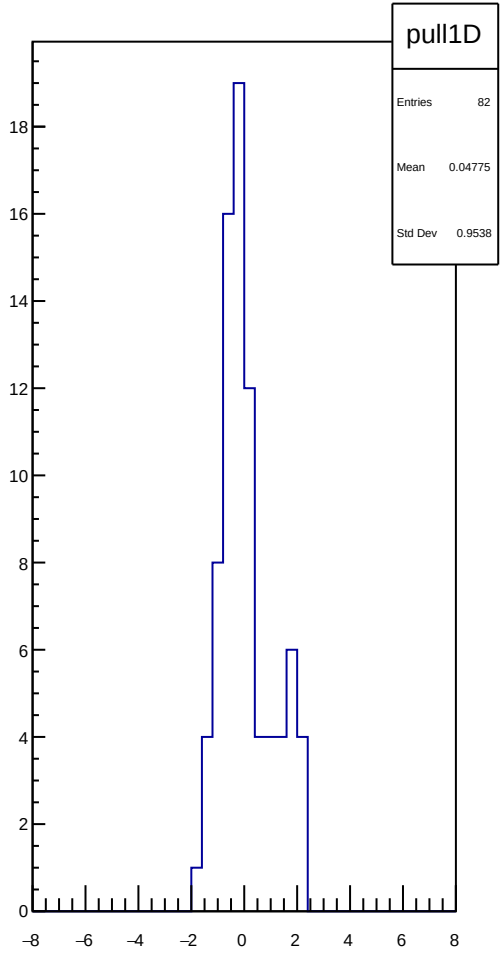

pull1D
Entries 82
Mean −0.02496
Std Dev 0.6842

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run

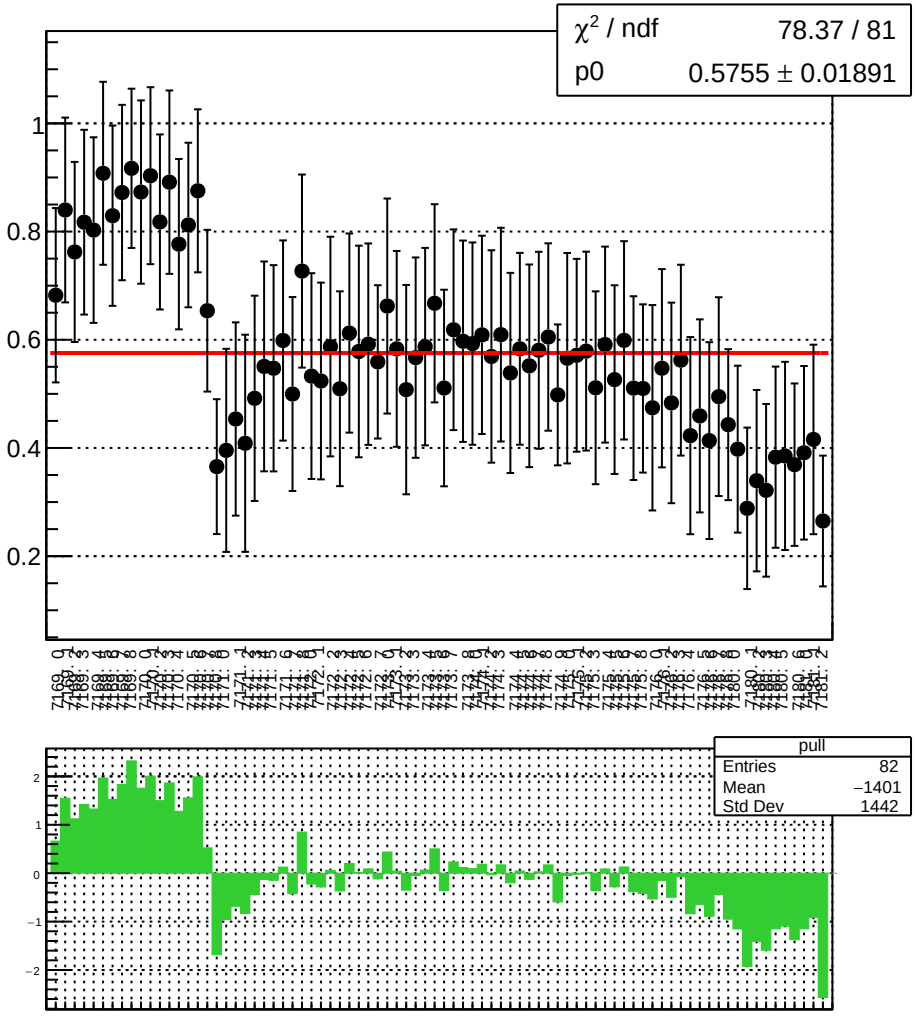


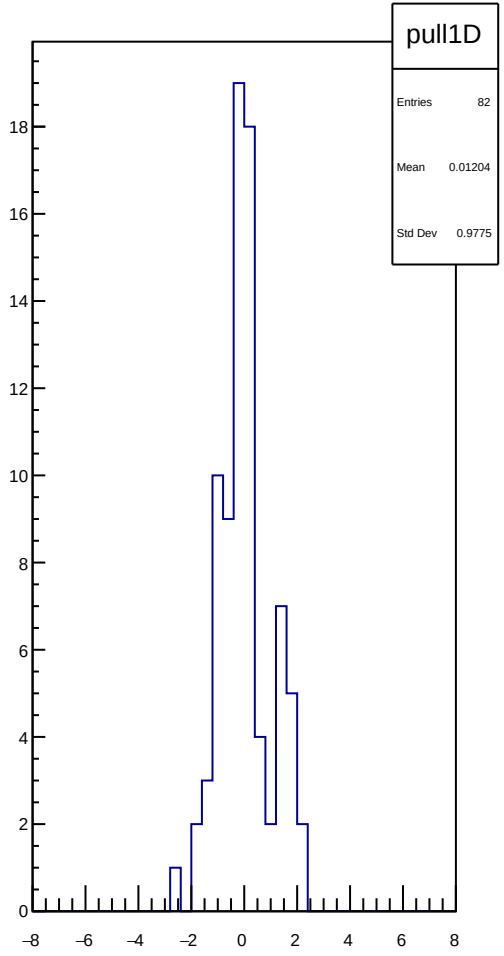


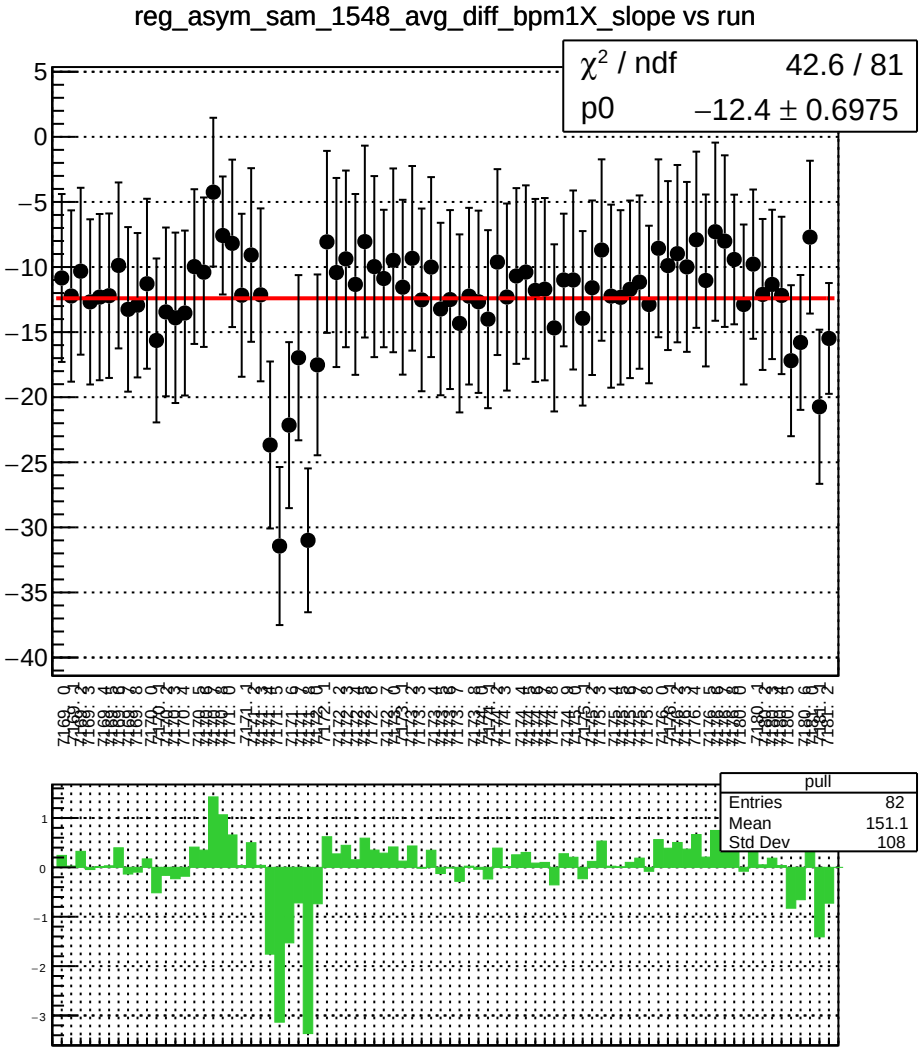

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.79 / 81
p0 −65.42 ± 0.412
pull
Entries 82
Mean −266.5
Std Dev 303.5

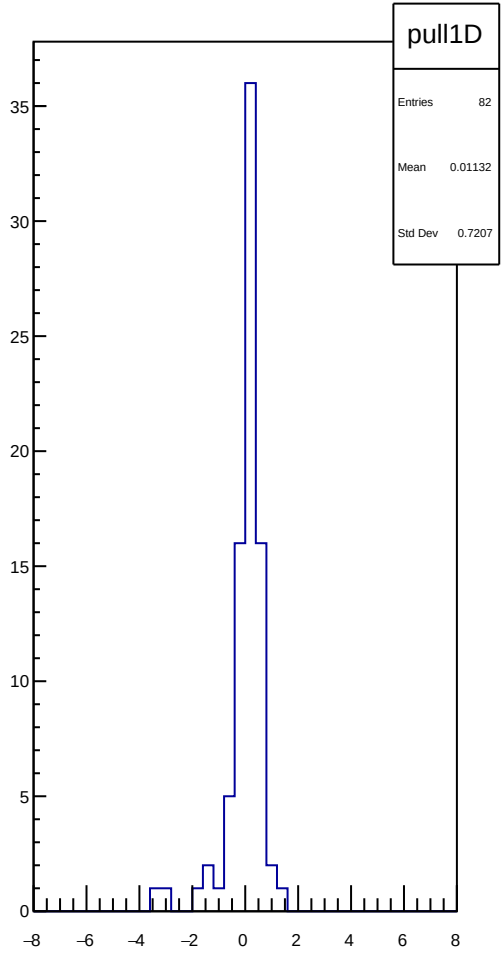

pull1D
Entries 82
Mean 0.04775
Std Dev 0.9538

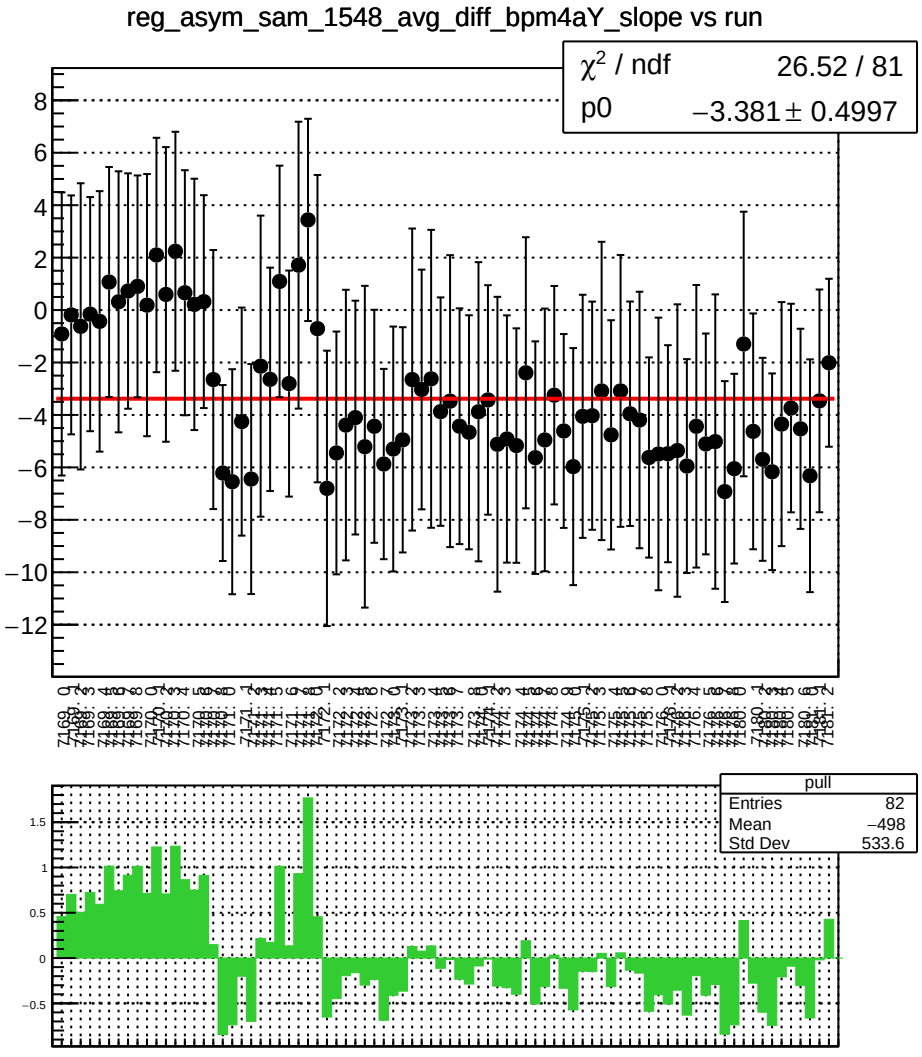
reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run

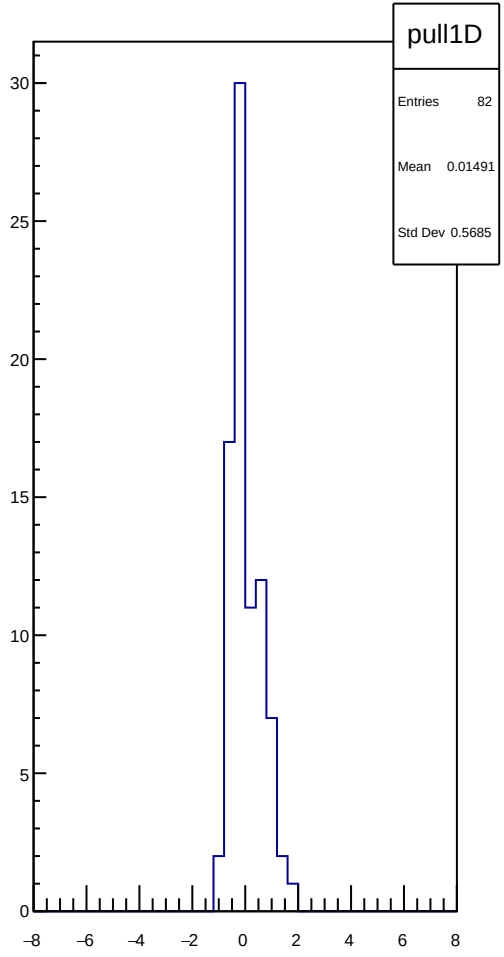


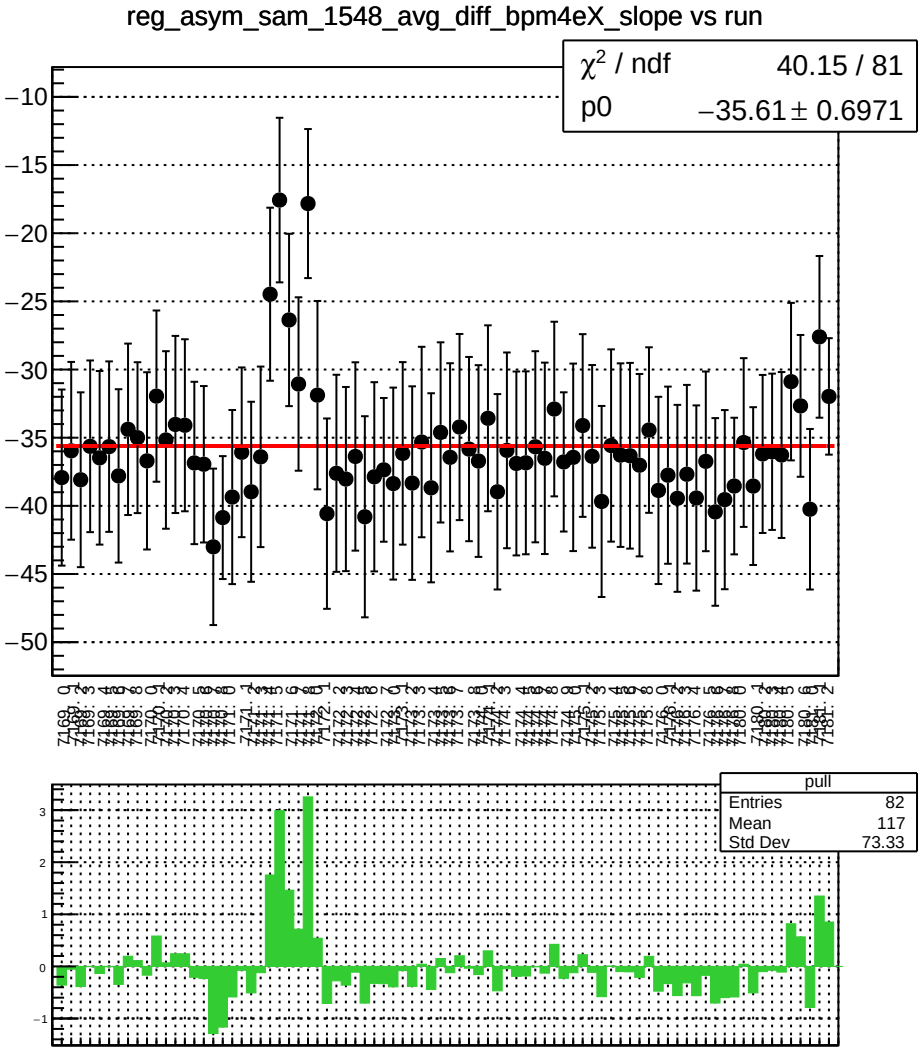


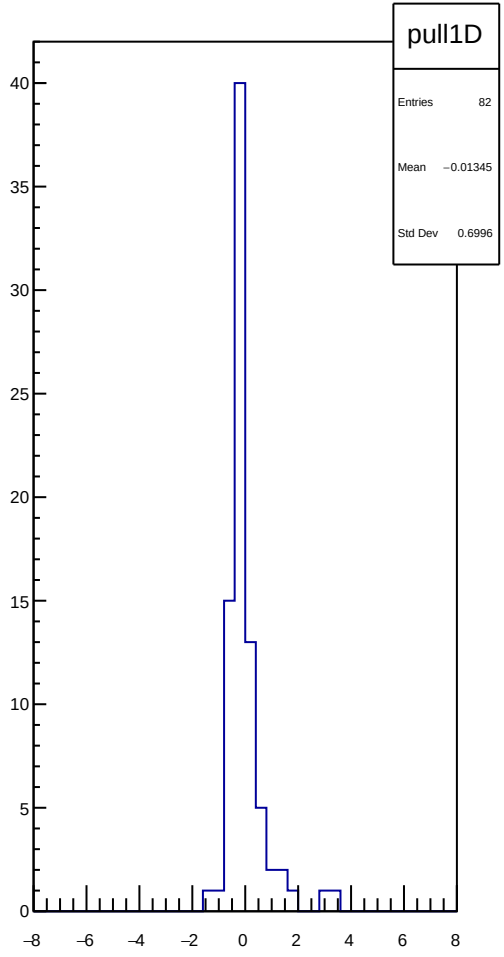

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 42.6 / 81
p0 −12.4 ± 0.6975
pull
Entries 82
Mean 151.1
Std Dev 108

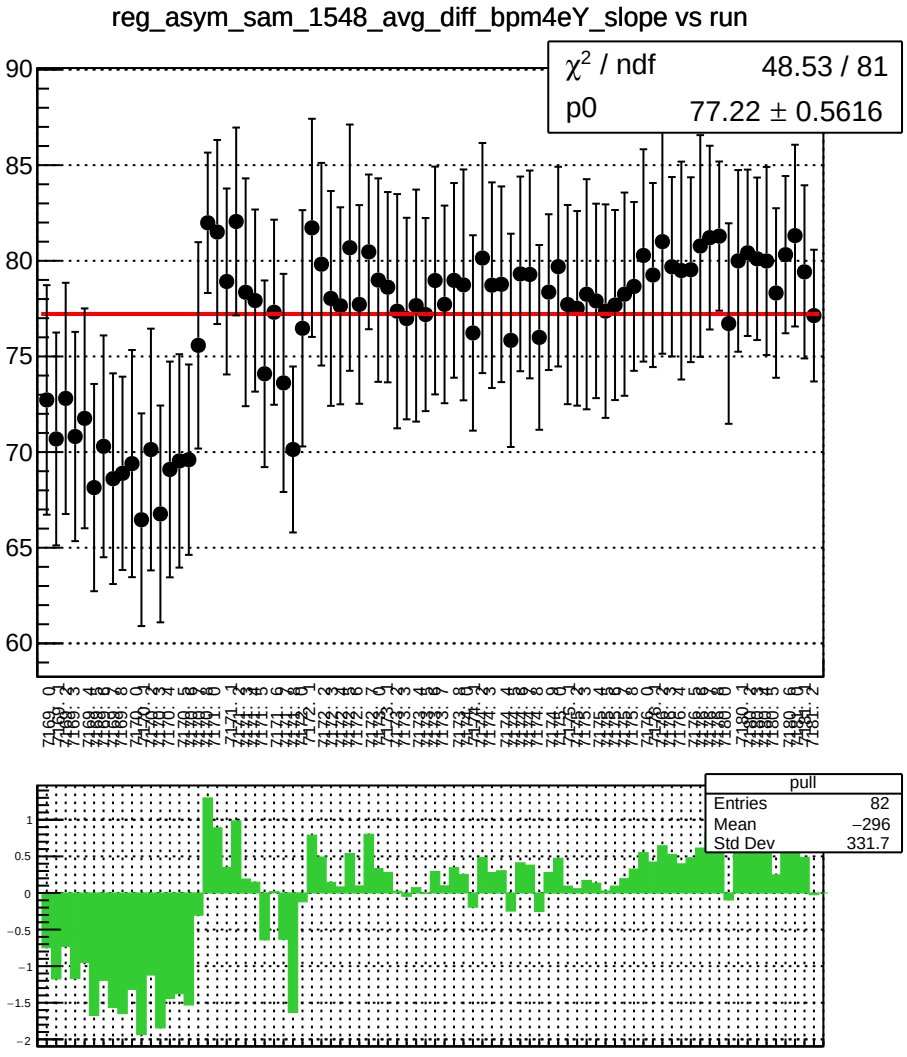

pull1D
Entries 82
Mean 0.01132
Std Dev 0.7207

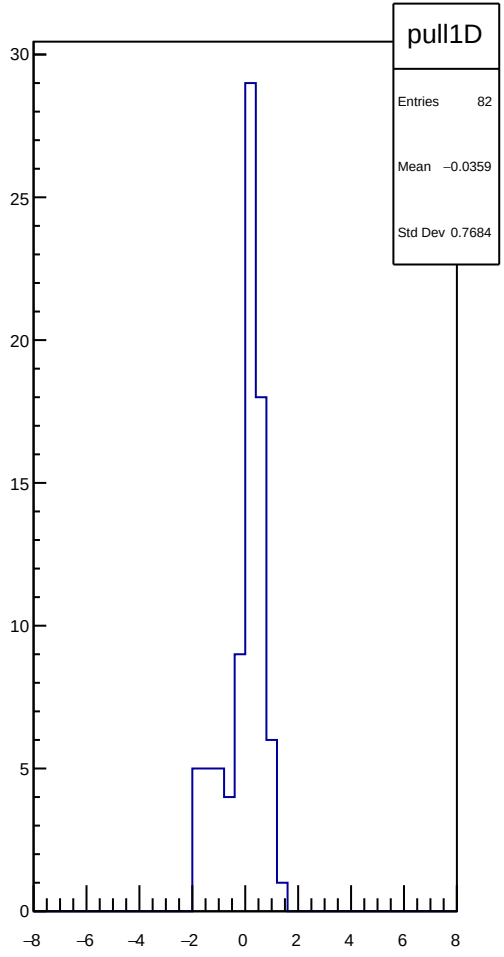

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.52 / 81
p0 −3.381 ± 0.4997
pull
Entries 82
Mean −498
Std Dev 533.6

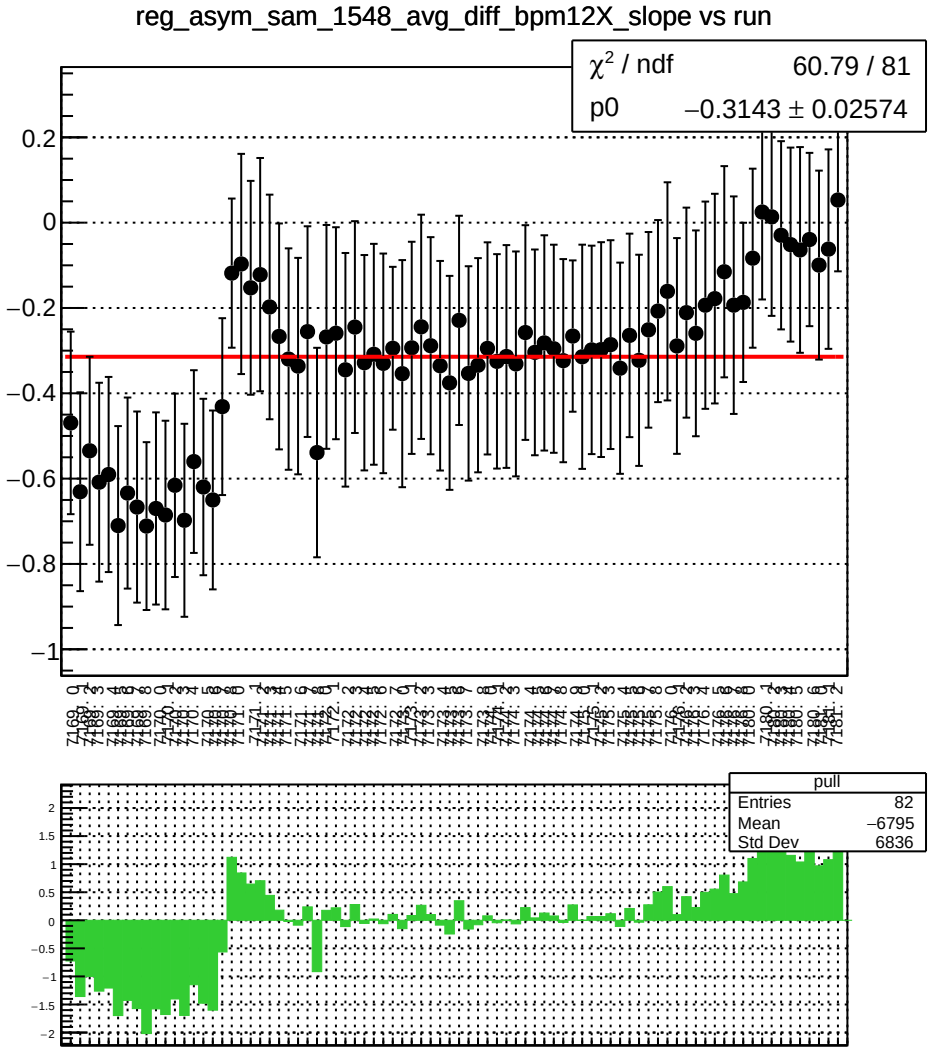

pull1D
Entries 82
Mean 0.01491
Std Dev 0.5685

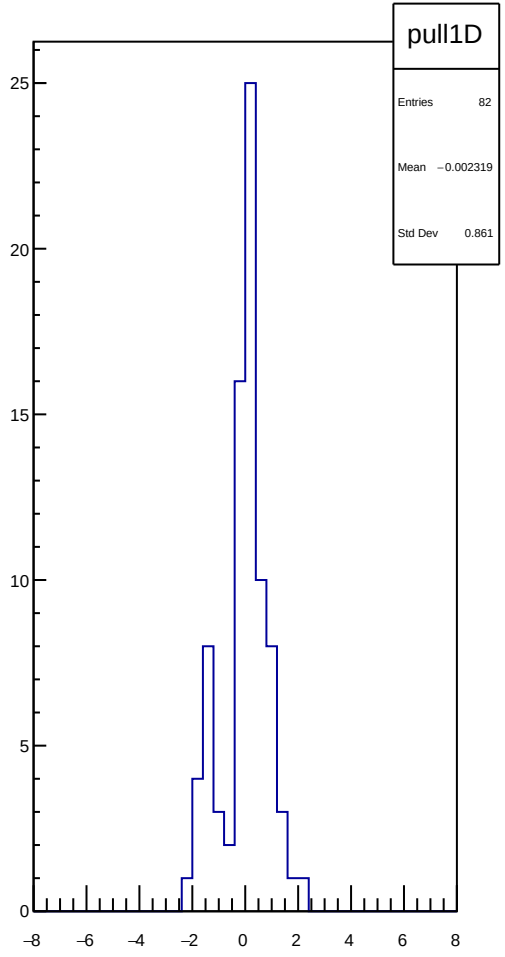

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.15 / 81
p0 −35.61 ± 0.6971
pull
Entries 82
Mean 117
Std Dev 73.33

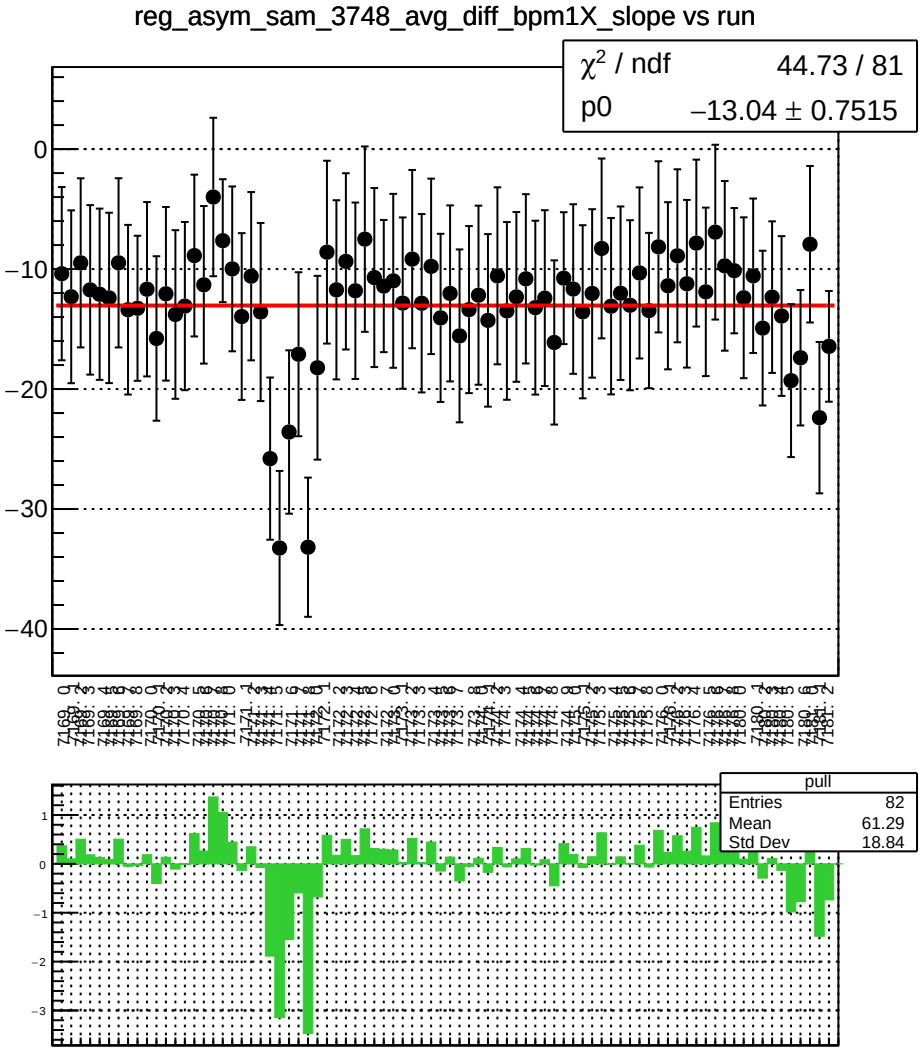

pull1D
Entries 82
Mean −0.01345
Std Dev 0.6996

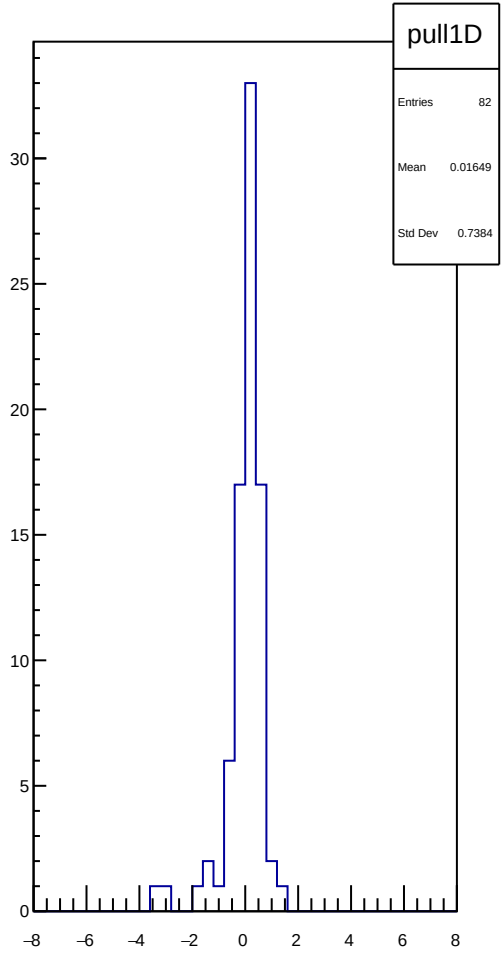

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.53 / 81
p0 77.22 ± 0.5616
pull
Entries 82
Mean −296
Std Dev 331.7

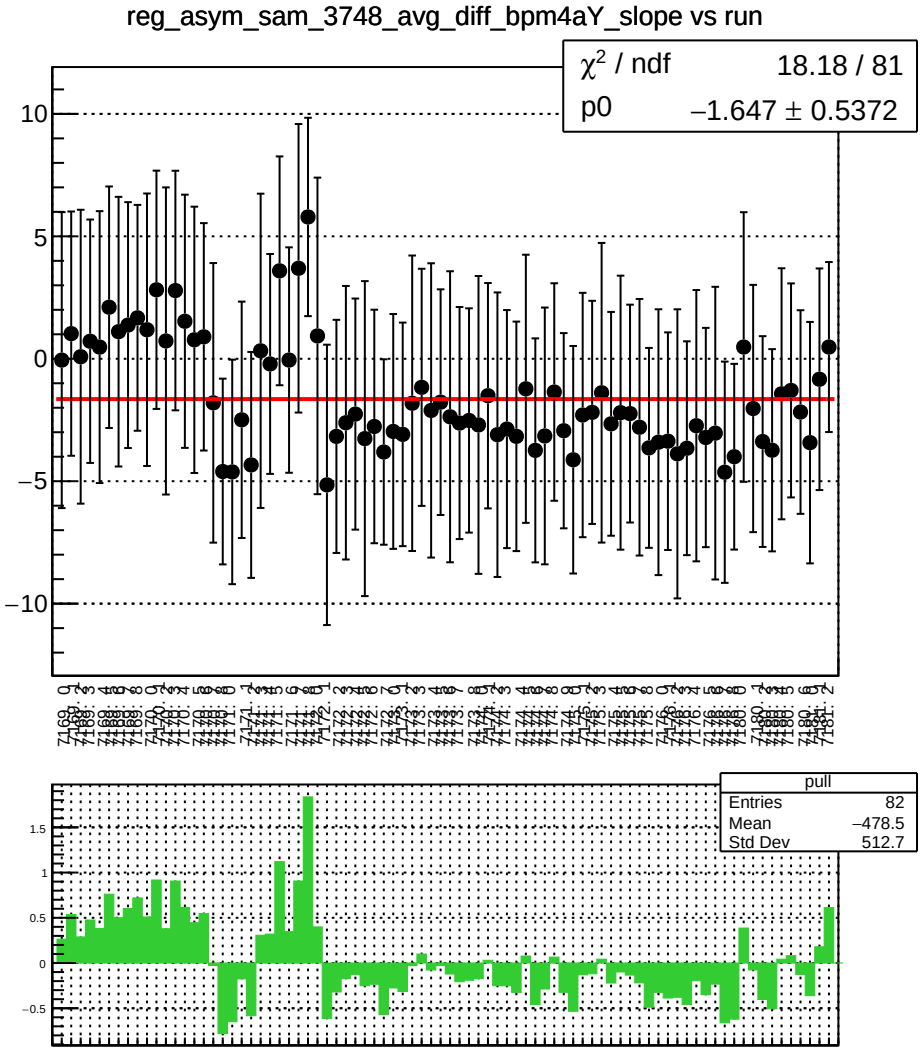

pull1D
Entries 82
Mean −0.0359
Std Dev 0.7684

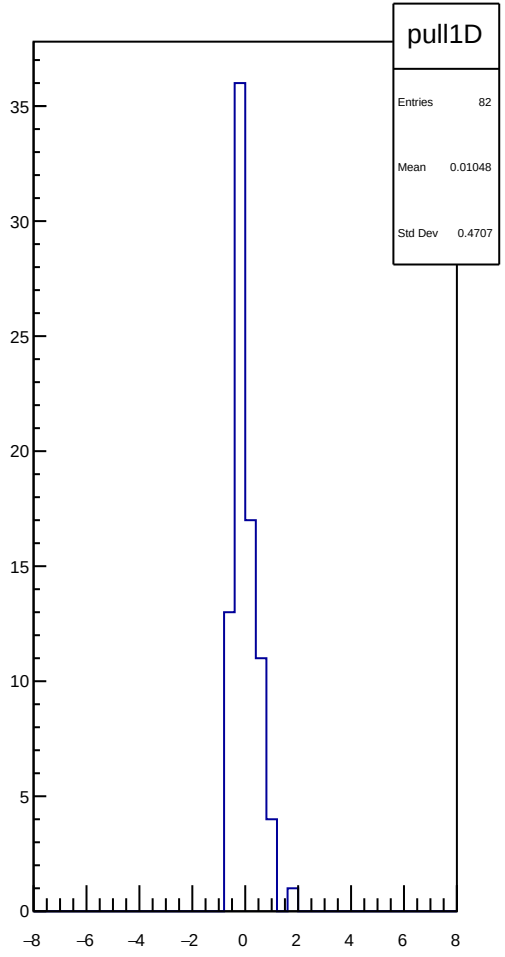

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 60.79 / 81
p0 −0.3143 ± 0.02574
pull
Entries 82
Mean −6795
Std Dev 6836

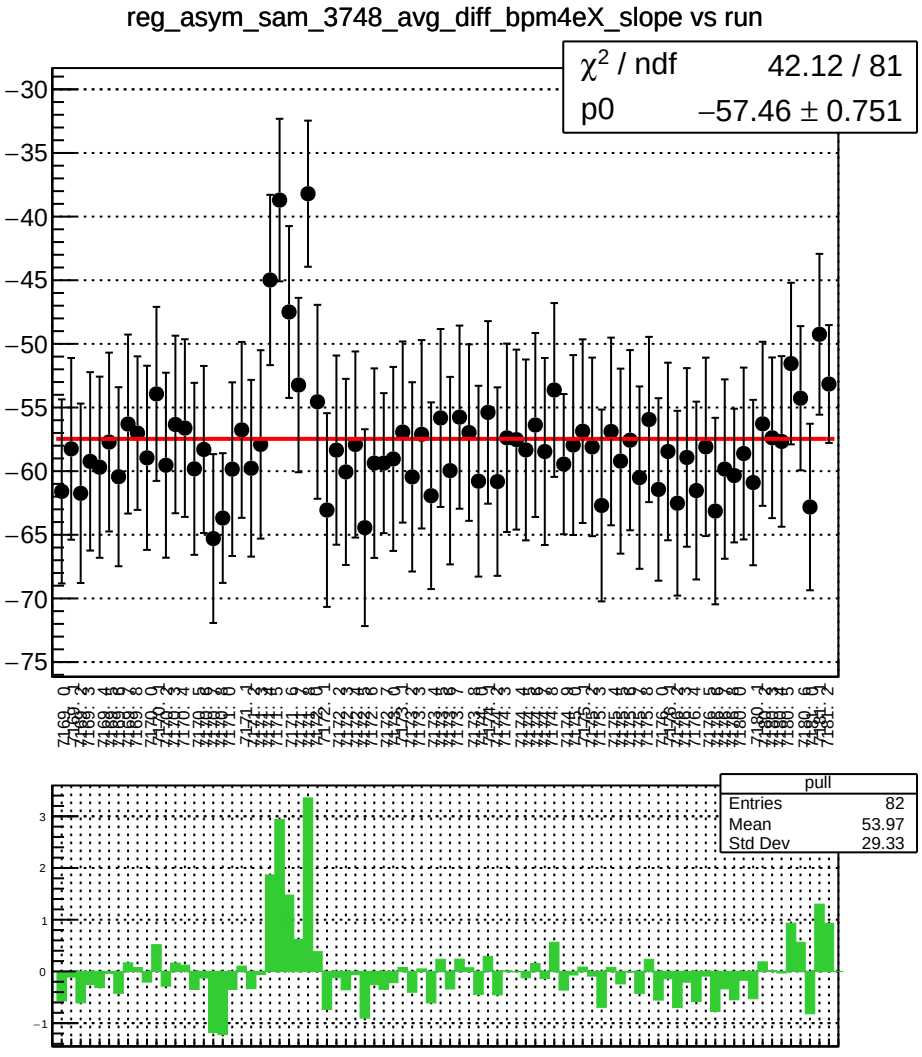

pull1D
Entries 82
Mean −0.002319
Std Dev 0.861

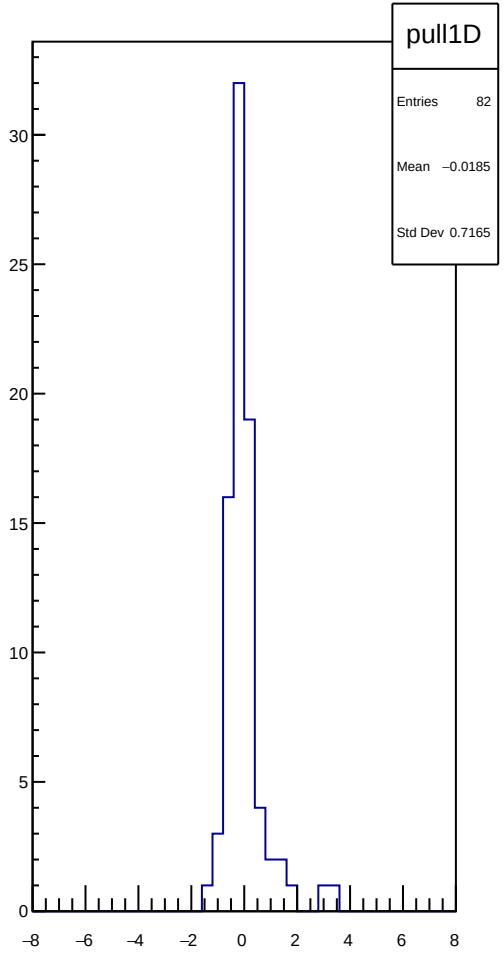

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.73 / 81
p0 −13.04 ± 0.7515
pull
Entries 82
Mean 61.29
Std Dev 18.84

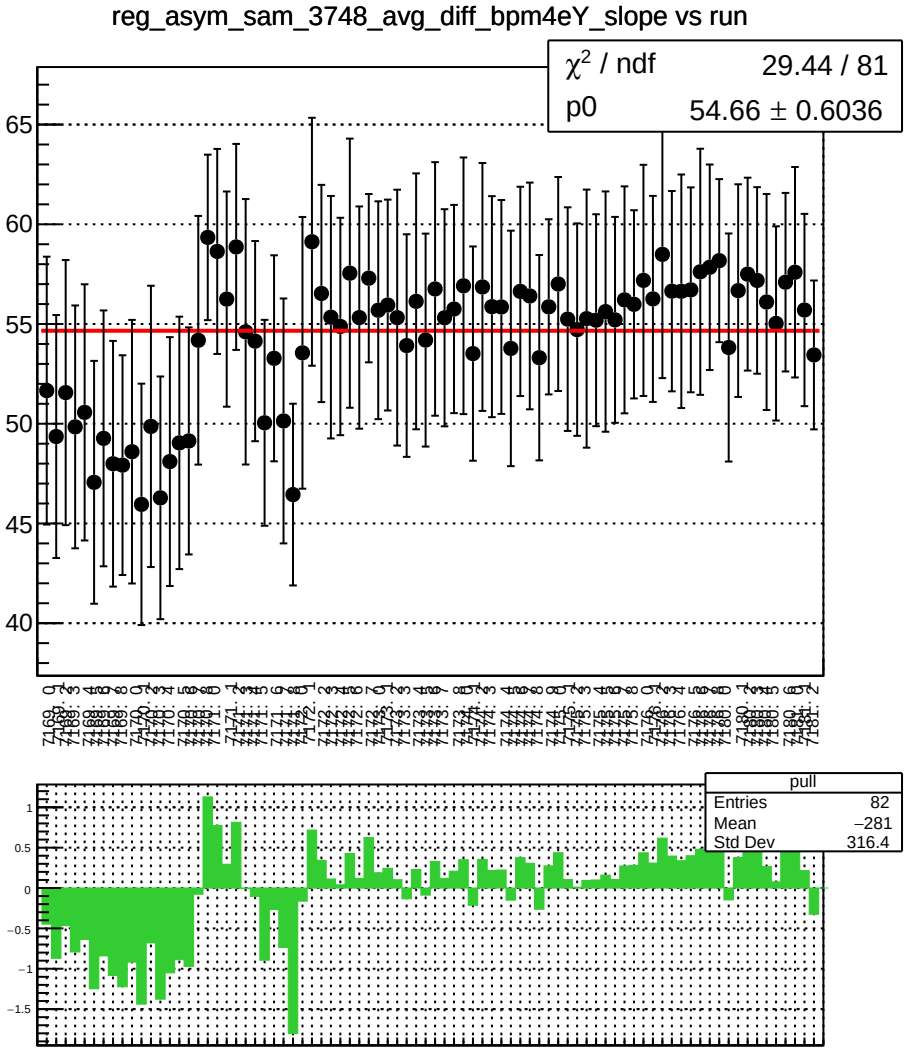

pull1D
Entries 82
Mean 0.01649
Std Dev 0.7384

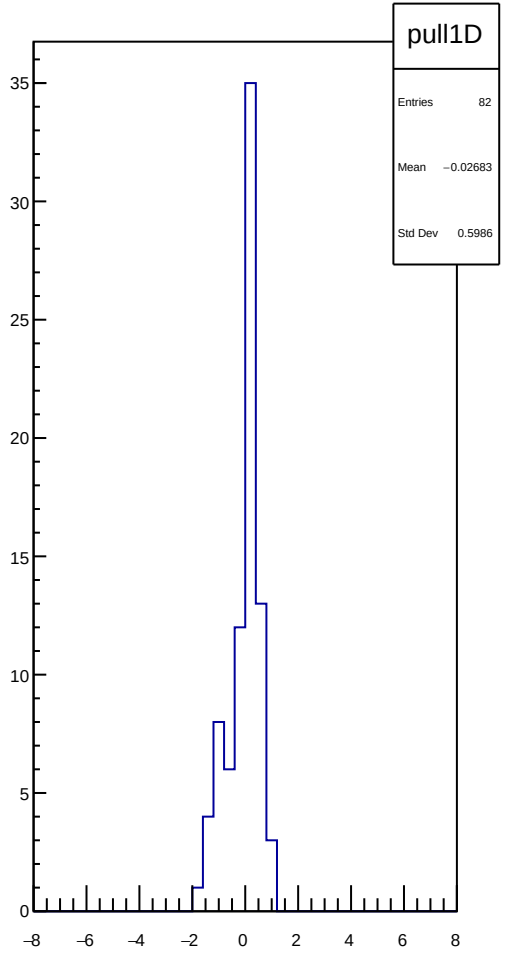

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.18 / 81
p0 −1.647 ± 0.5372
pull
Entries 82
Mean −478.5
Std Dev 512.7

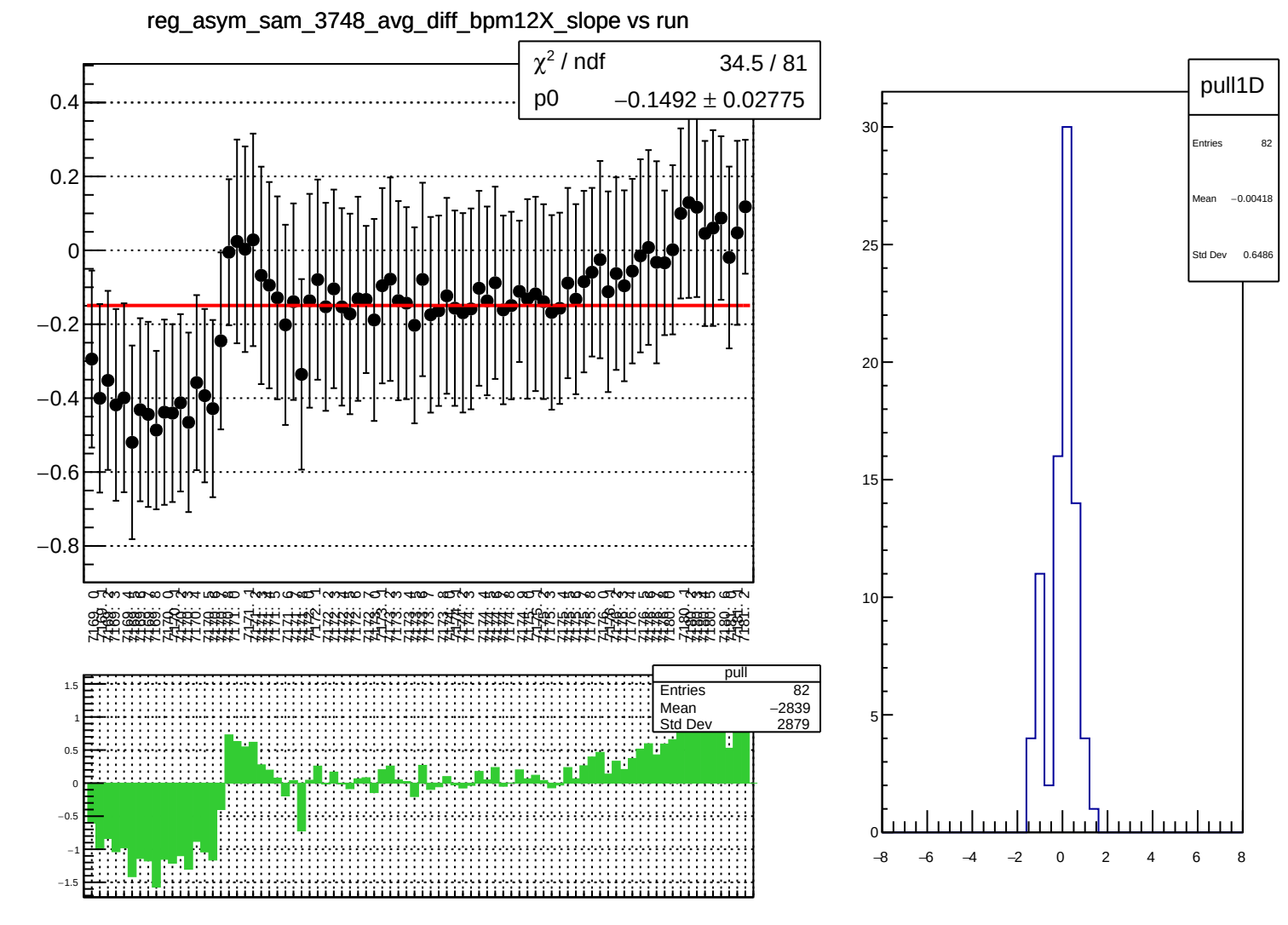

pull1D
Entries 82
Mean 0.01048
Std Dev 0.4707

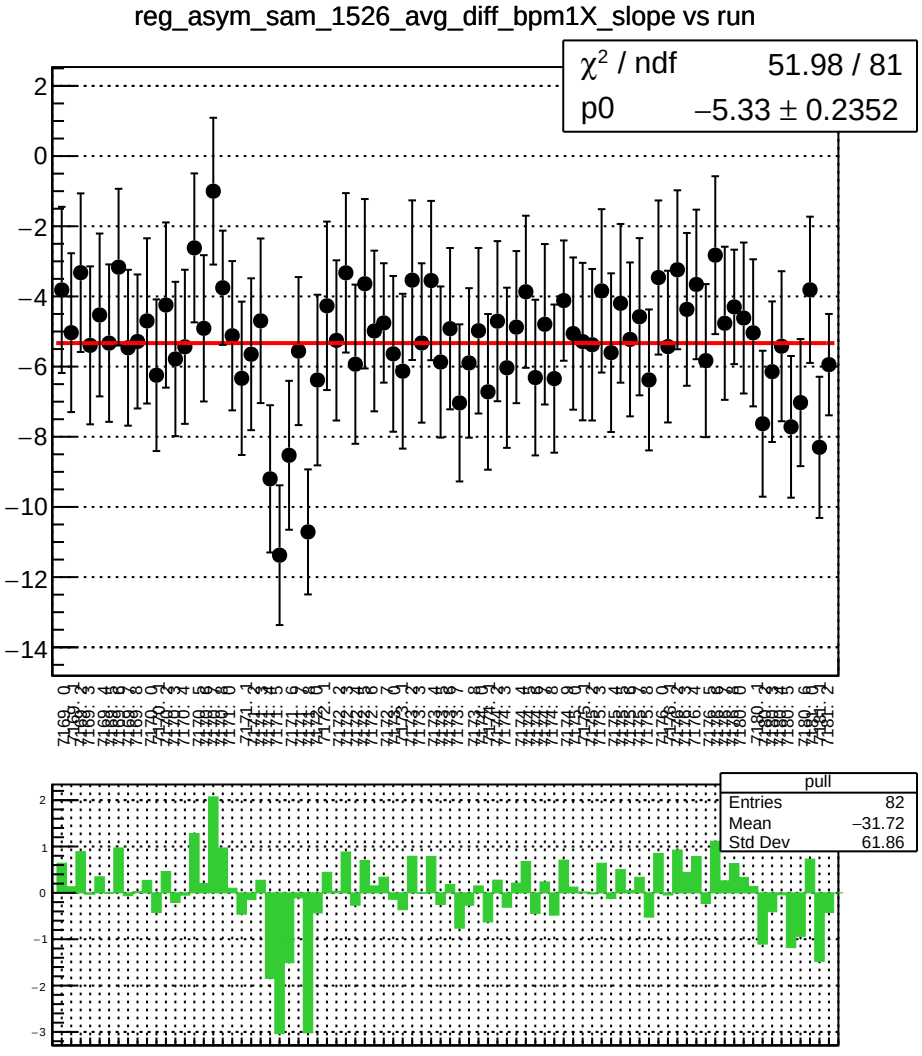

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.12 / 81
p0 −57.46 ± 0.751
pull
Entries 82
Mean 53.97
Std Dev 29.33

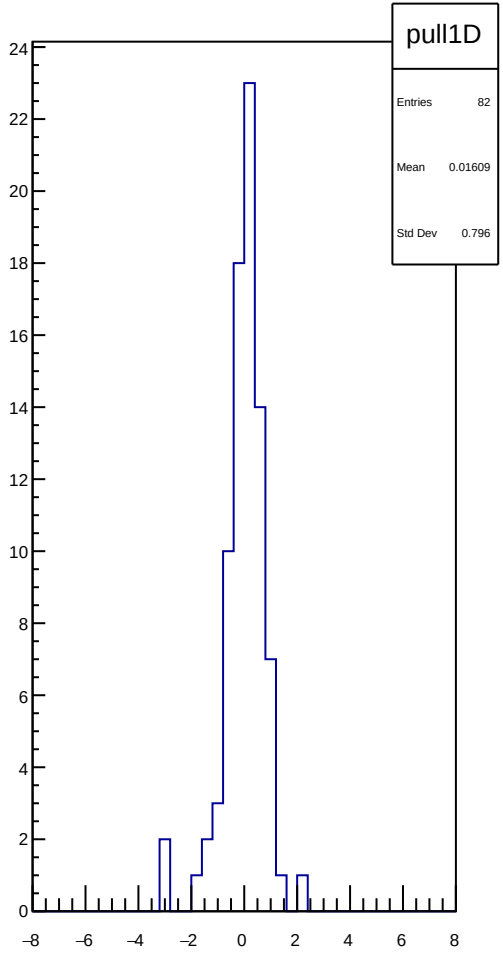

pull1D
Entries 82
Mean −0.0185
Std Dev 0.7165

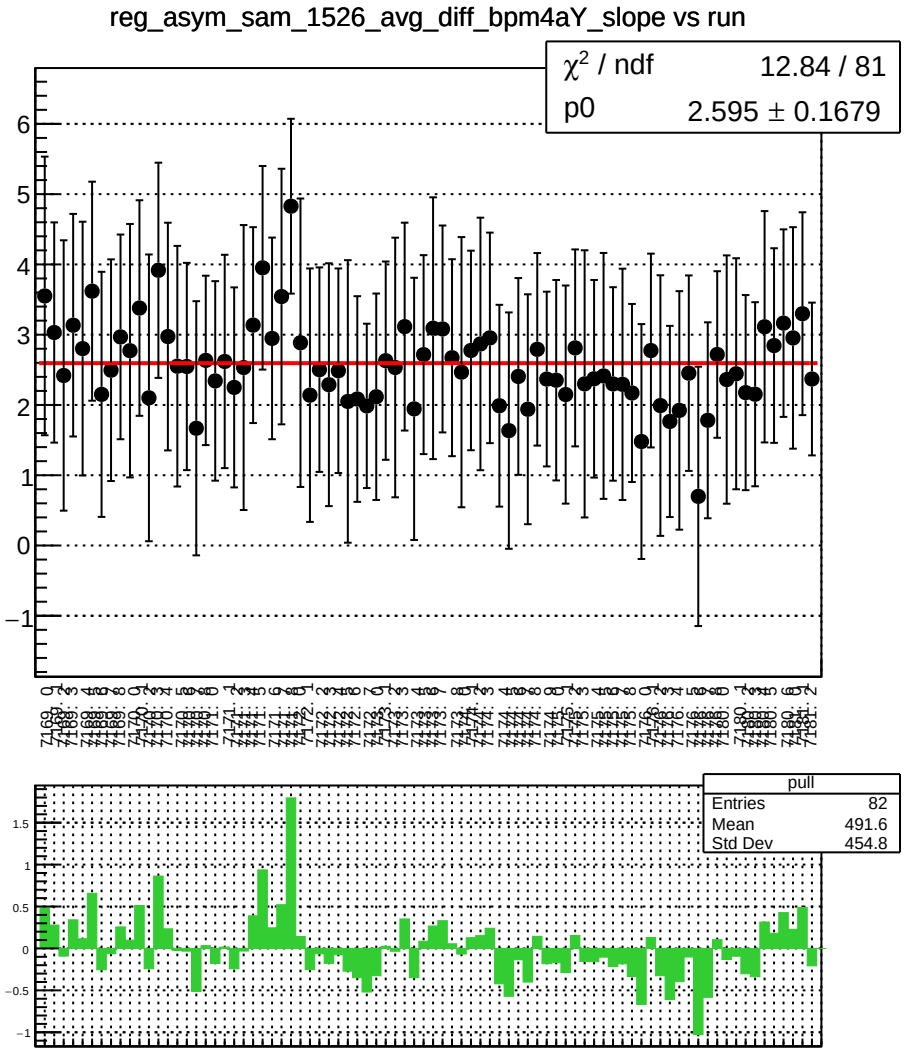

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.44 / 81
p0 54.66 ± 0.6036
65
60
55
50
45
40
pull
Entries 82
Mean −281
Std Dev 316.4
1
0.5
0
−0.5
−1
−1.5

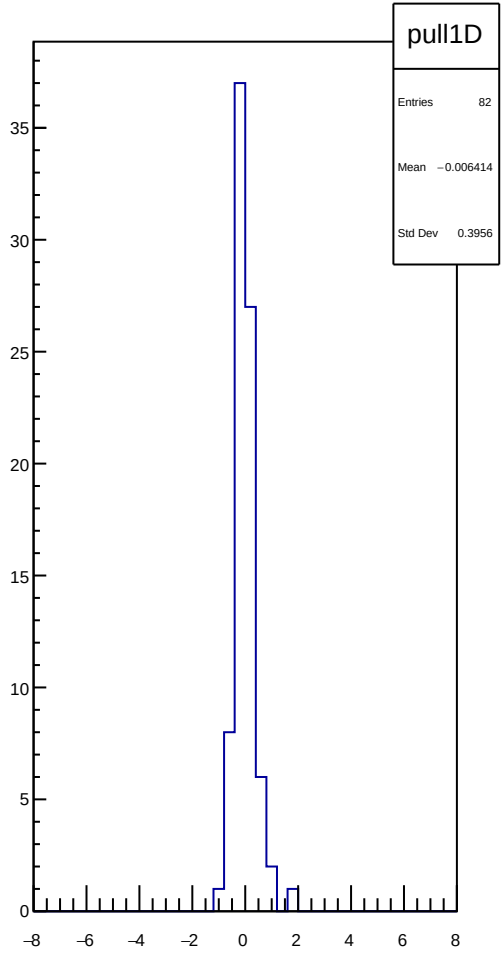

pull1D
Entries 82
Mean −0.02683
Std Dev 0.5986
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

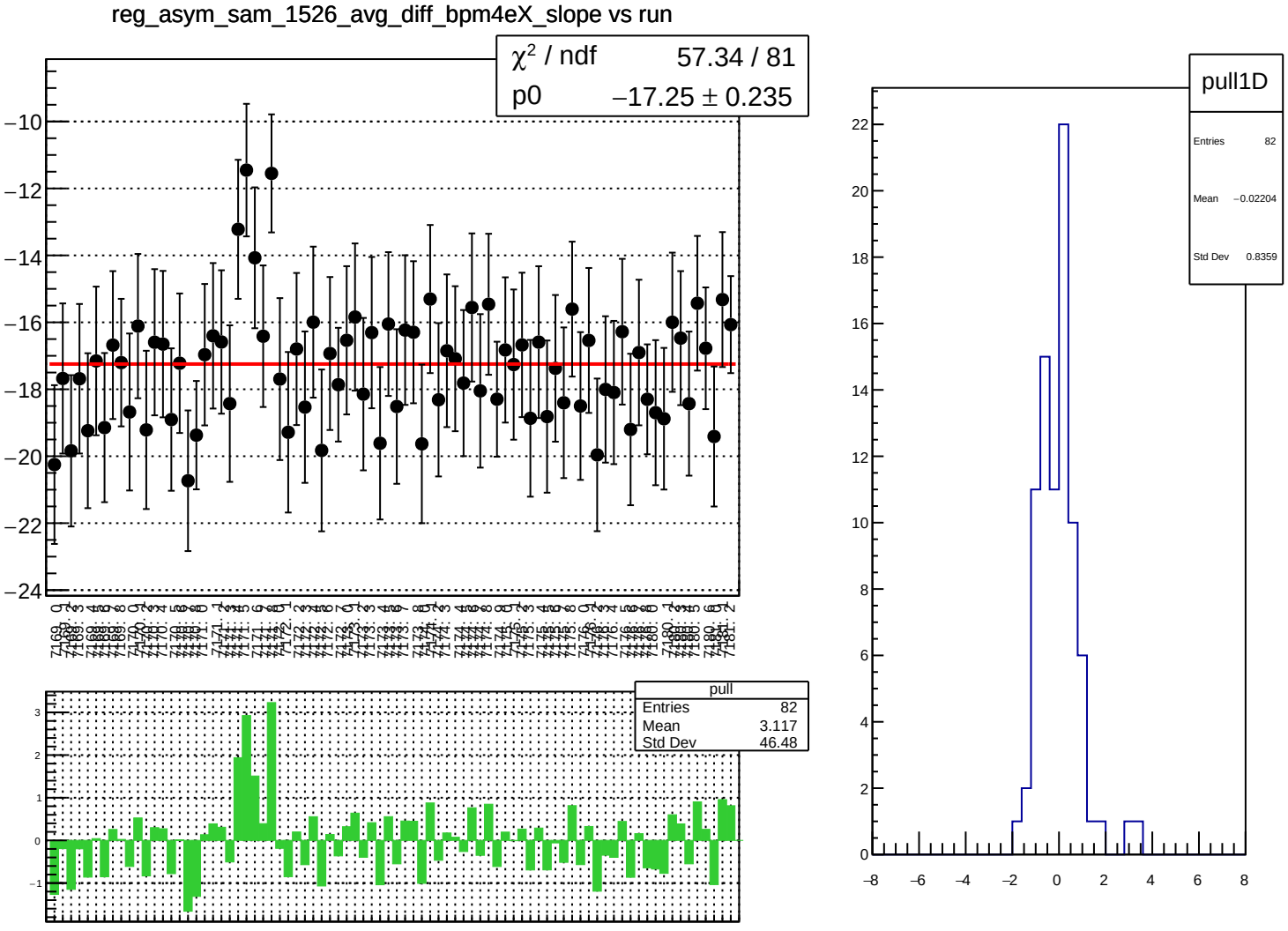

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 34.5 / 81
p0 −0.1492 ± 0.02775
pull
Entries 82
Mean −2839
Std Dev 2879
pull1D
Entries 82
Mean −0.00418
Std Dev 0.6486

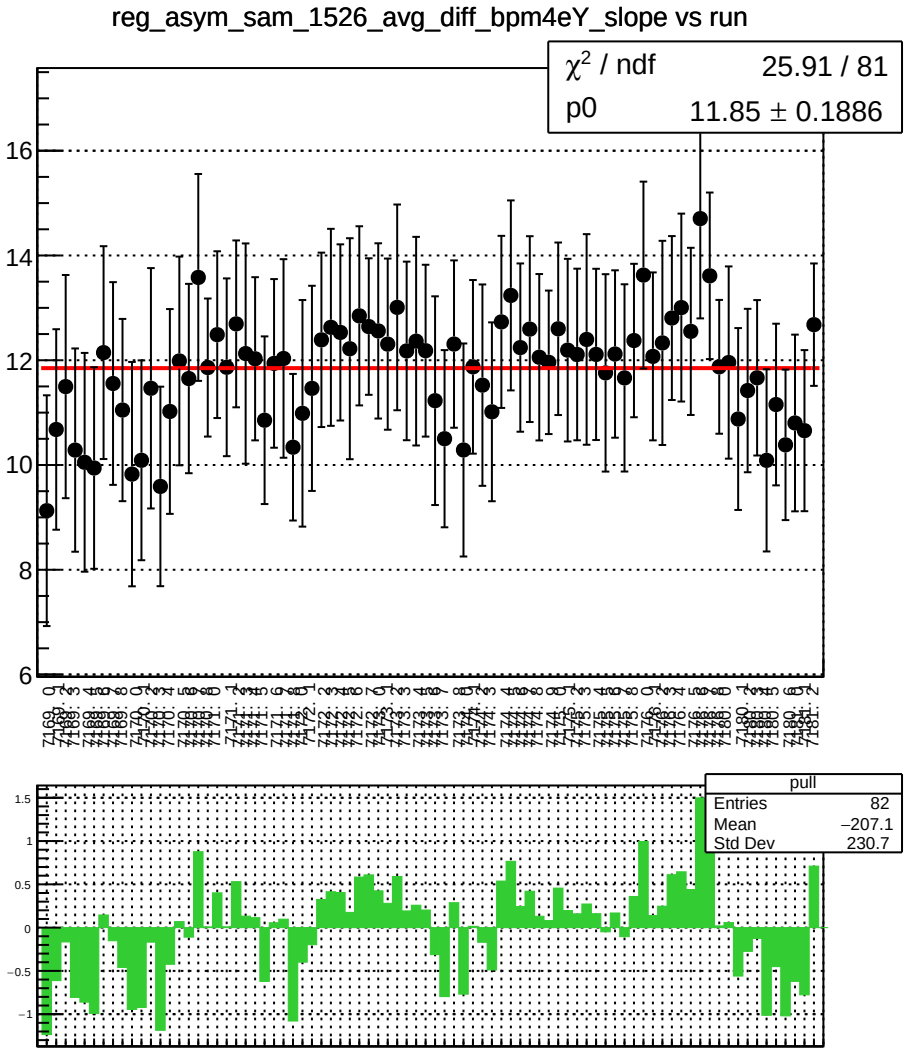

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 51.98 / 81
p0 −5.33 ± 0.2352
pull
Entries 82
Mean −31.72
Std Dev 61.86

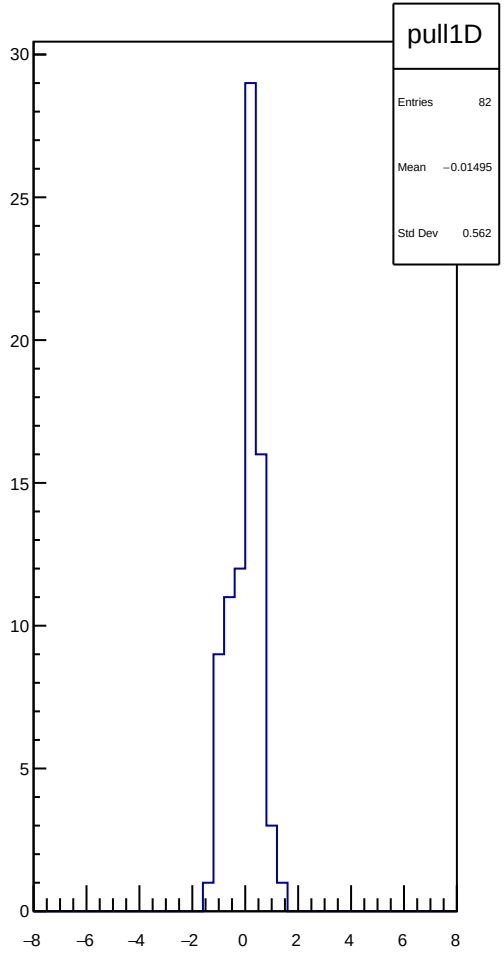

pull1D
Entries 82
Mean 0.01609
Std Dev 0.796

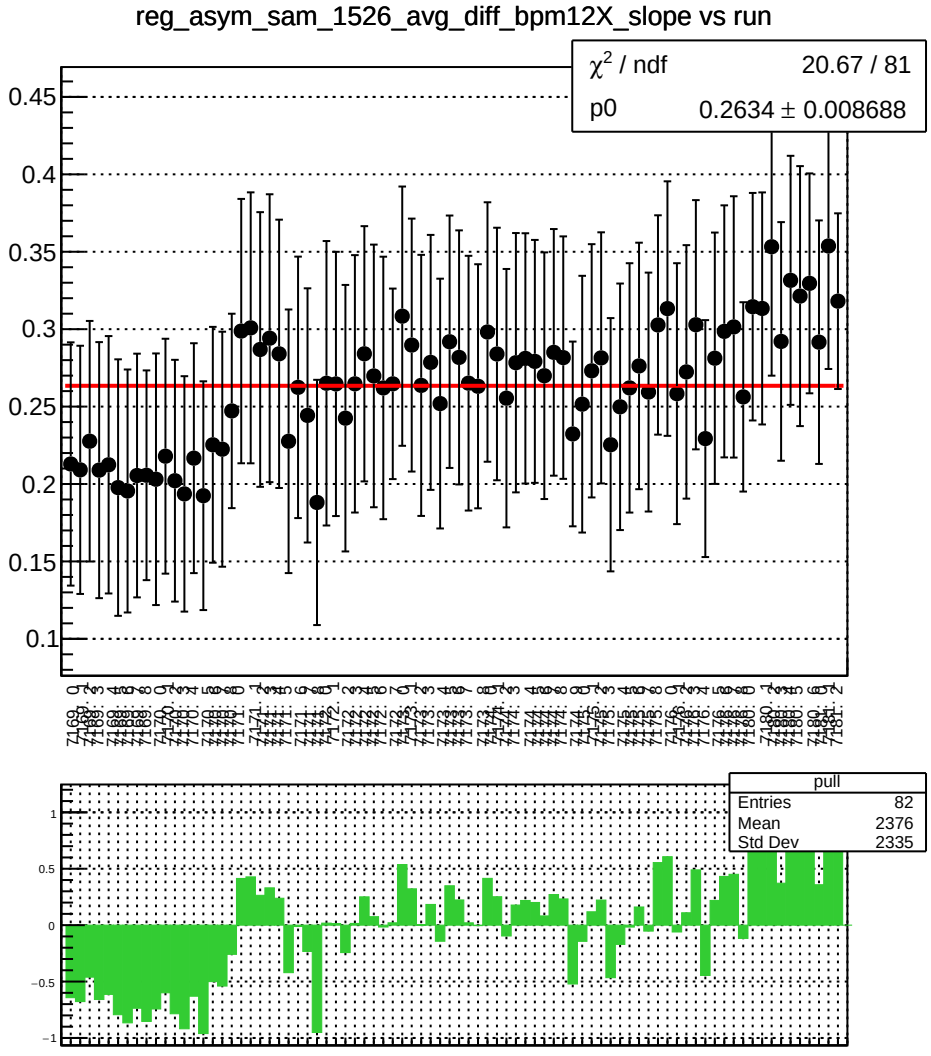

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.84 / 81
p0 2.595 ± 0.1679
pull
Entries 82
Mean 491.6
Std Dev 454.8

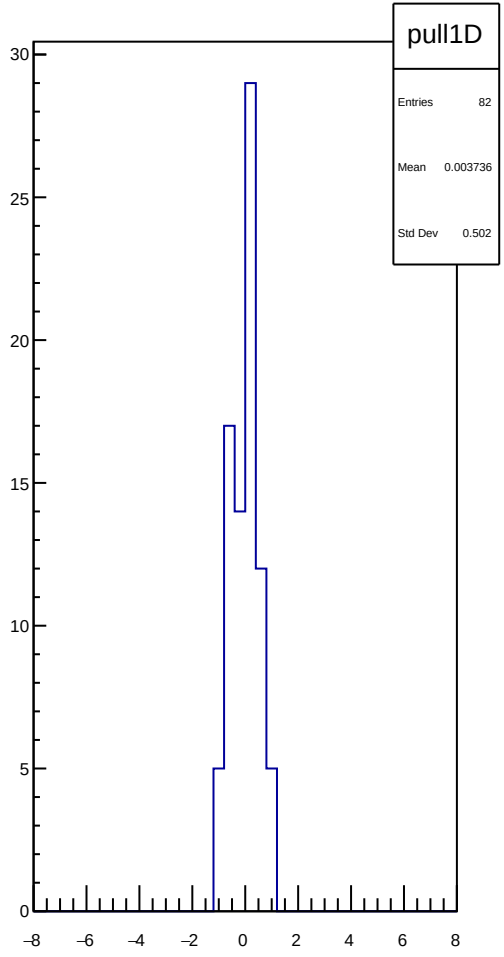

pull1D
Entries 82
Mean −0.006414
Std Dev 0.3956

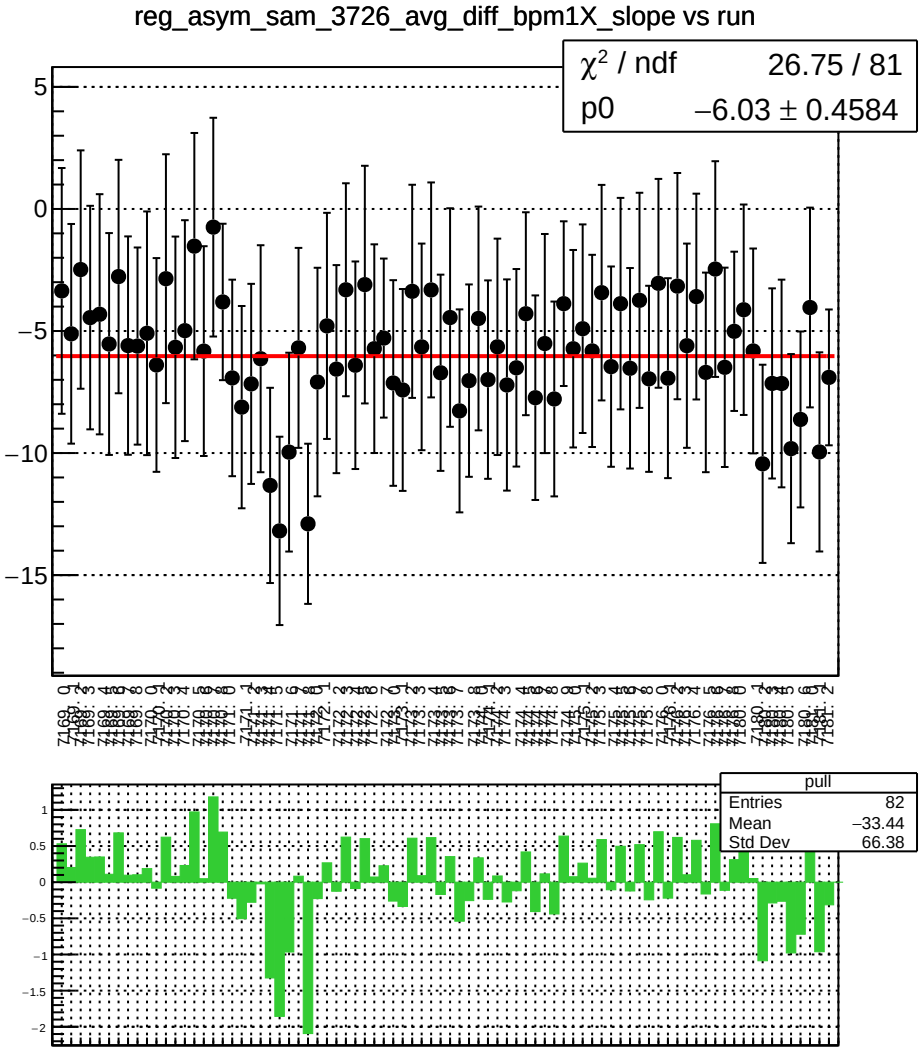

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.34 / 81
p0 −17.25 ± 0.235
pull
Entries 82
Mean 3.117
Std Dev 46.48
pull1D
Entries 82
Mean −0.02204
Std Dev 0.8359

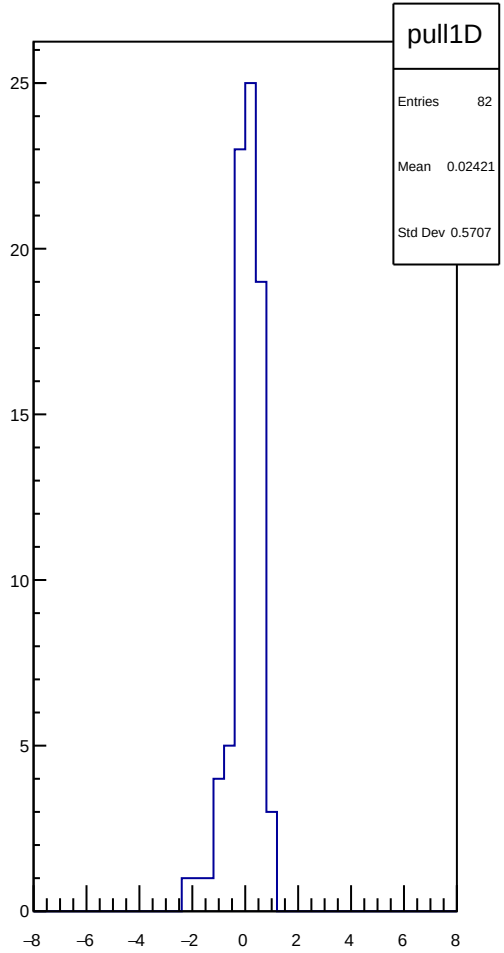

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 25.91 / 81
p0 11.85 ± 0.1886
pull
Entries 82
Mean −207.1
Std Dev 230.7

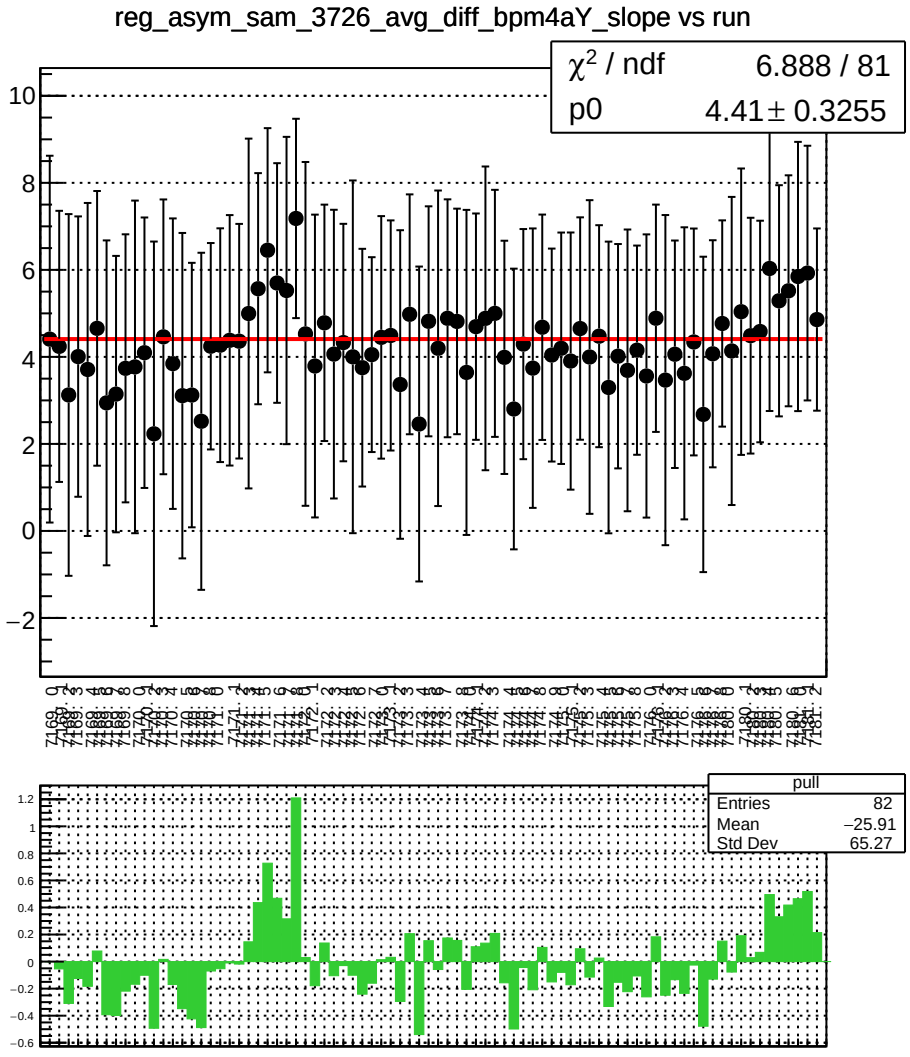

pull1D
Entries 82
Mean −0.01495
Std Dev 0.562

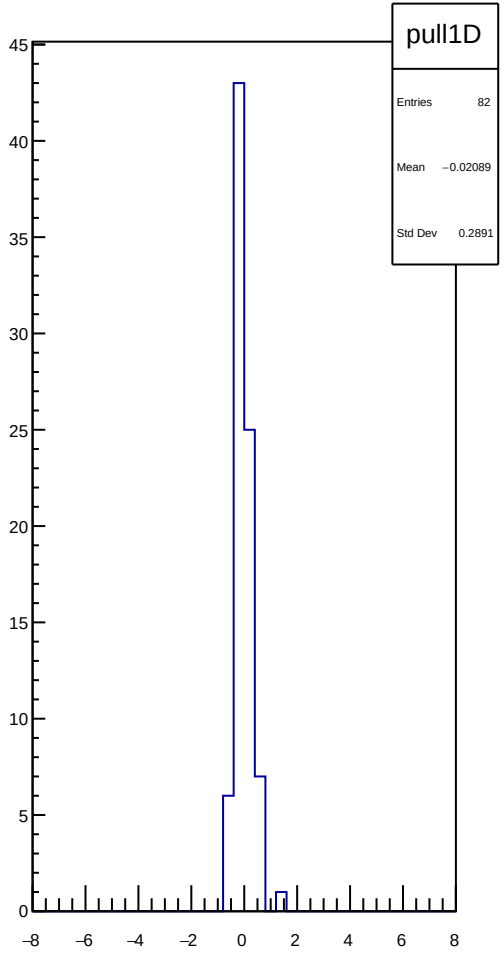

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.67 / 81
p0 0.2634 ± 0.008688
pull
Entries 82
Mean 2376
Std Dev 2335

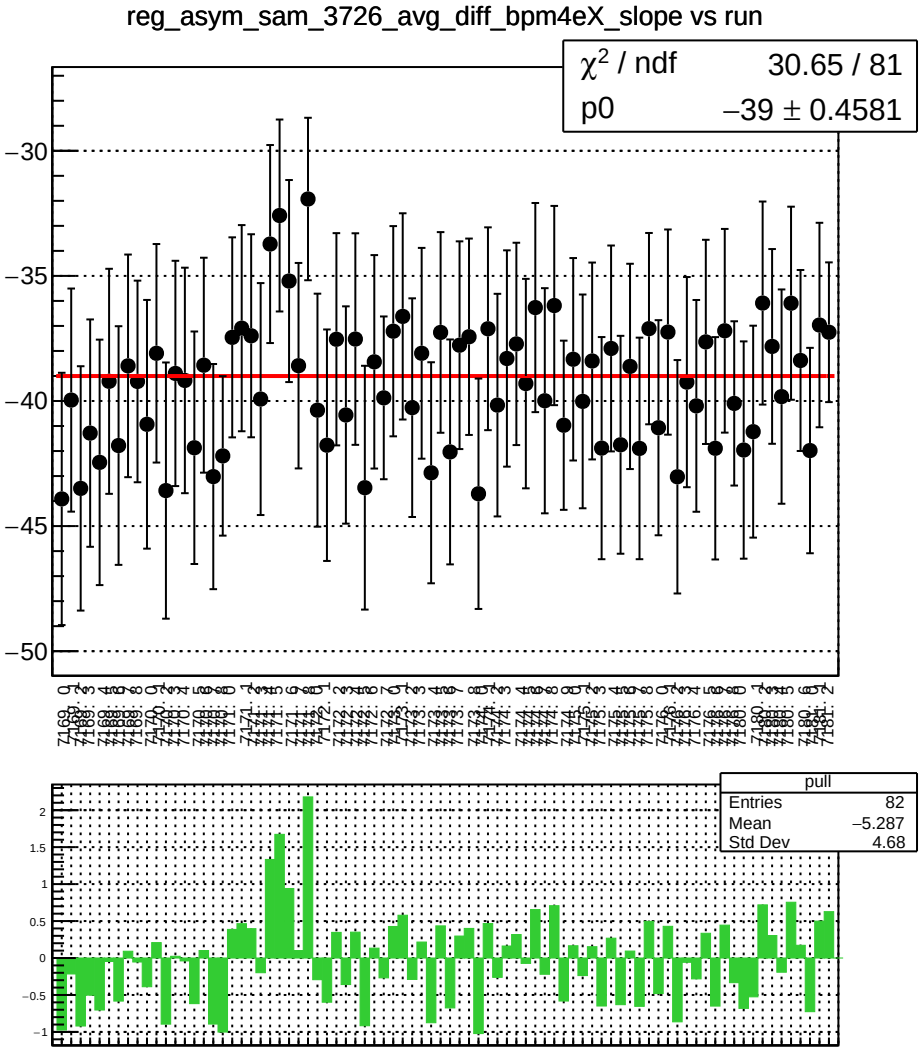

pull1D
Entries 82
Mean 0.003736
Std Dev 0.502

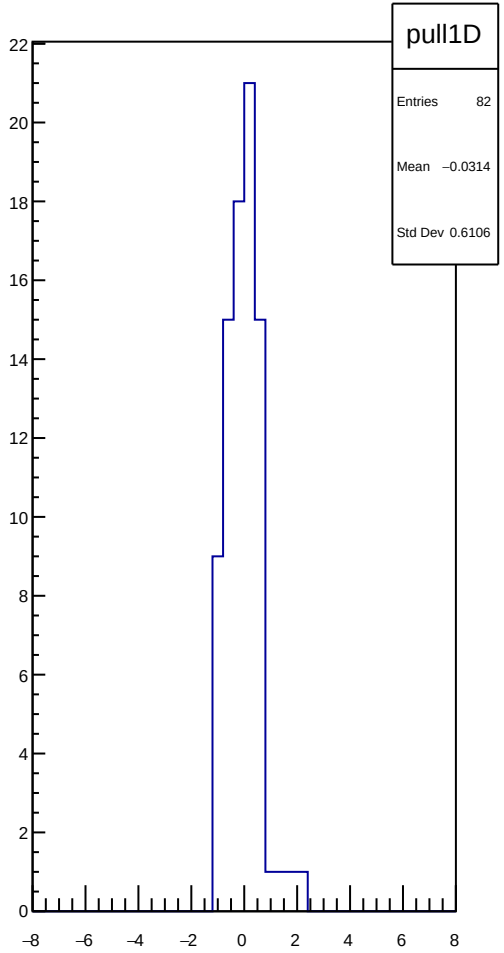

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 26.75 / 81
p0 −6.03 ± 0.4584
pull
Entries 82
Mean −33.44
Std Dev 66.38

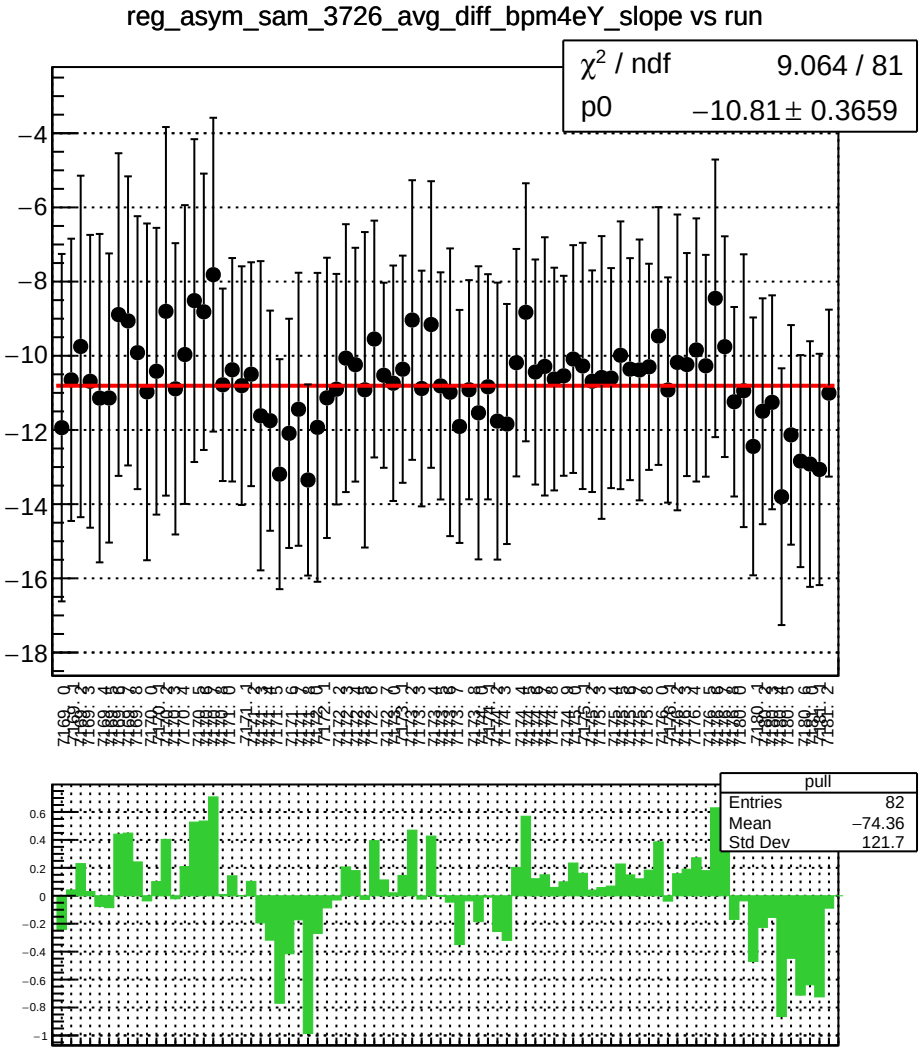

pull1D
Entries 82
Mean 0.02421
Std Dev 0.5707

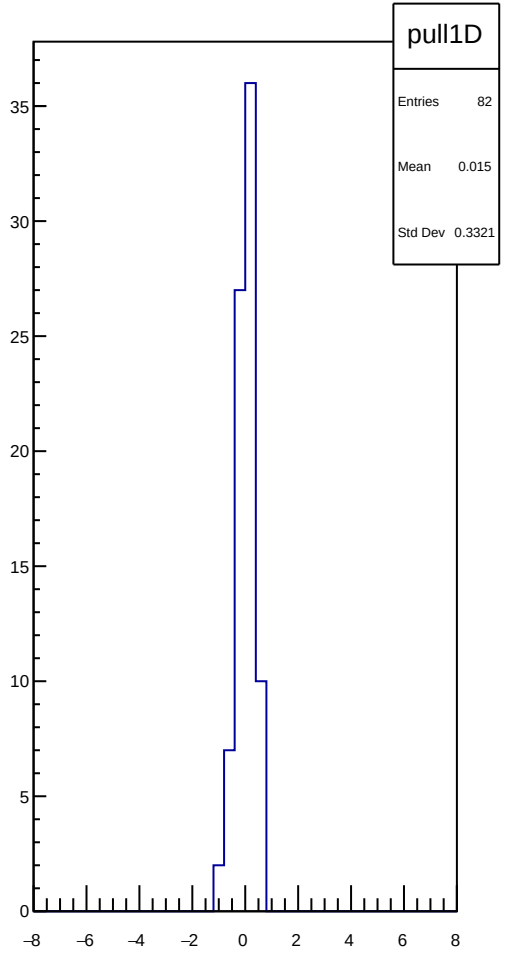

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.888 / 81
p0 4.41 ± 0.3255
pull
Entries 82
Mean −25.91
Std Dev 65.27

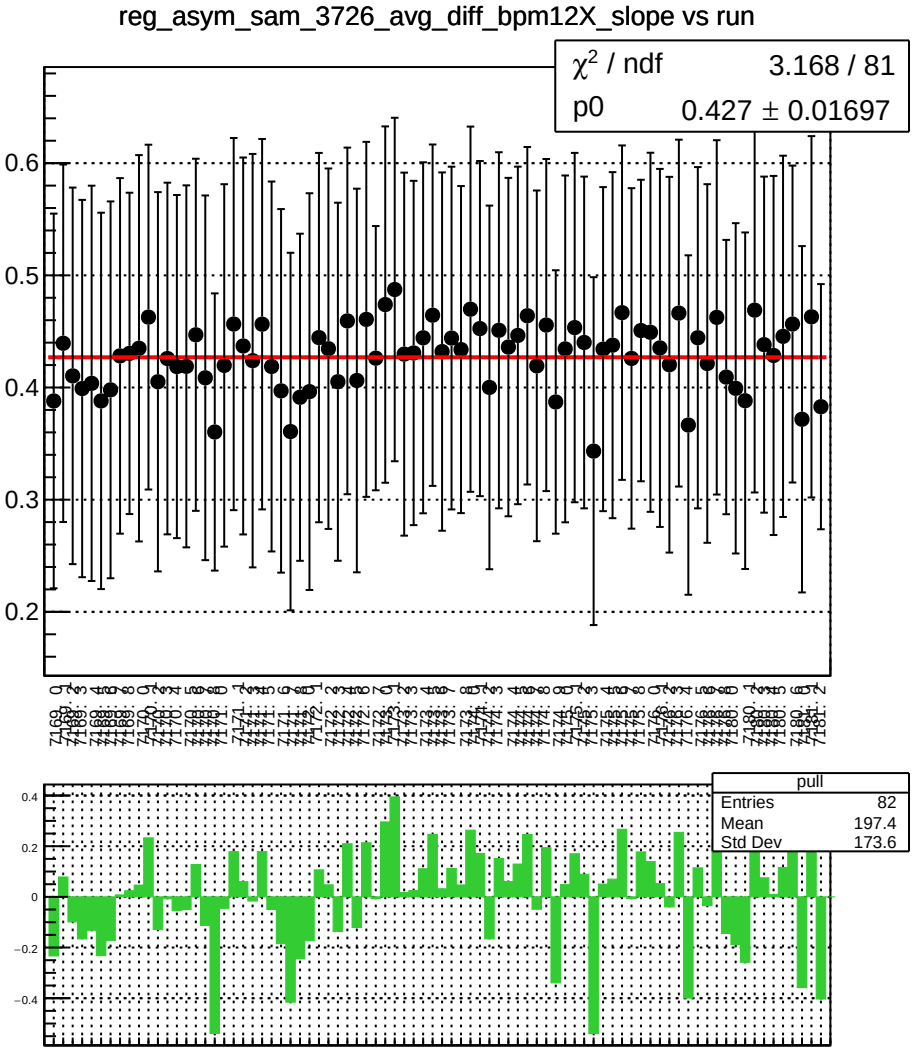

pull1D
Entries 82
Mean −0.02089
Std Dev 0.2891

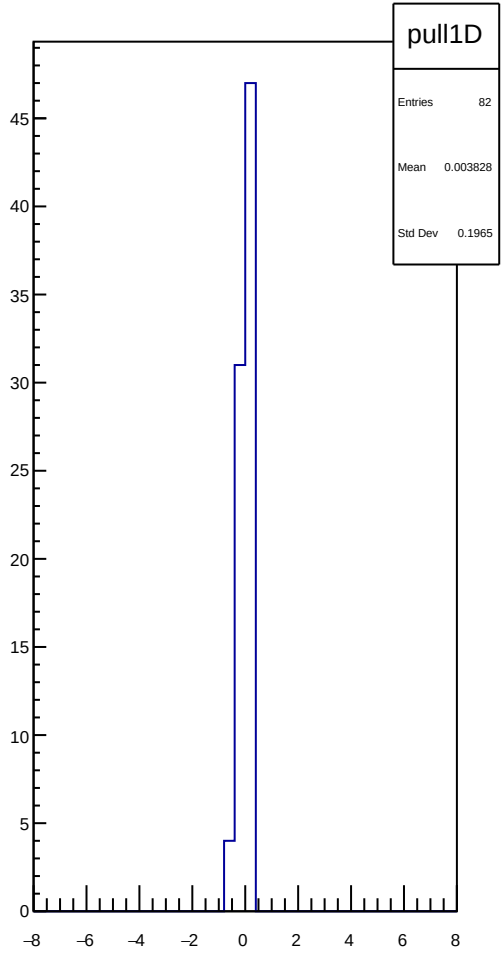

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ2 / ndf 30.65 / 81
p0 −39 ± 0.4581
pull
Entries 82
Mean −5.287
Std Dev 4.68

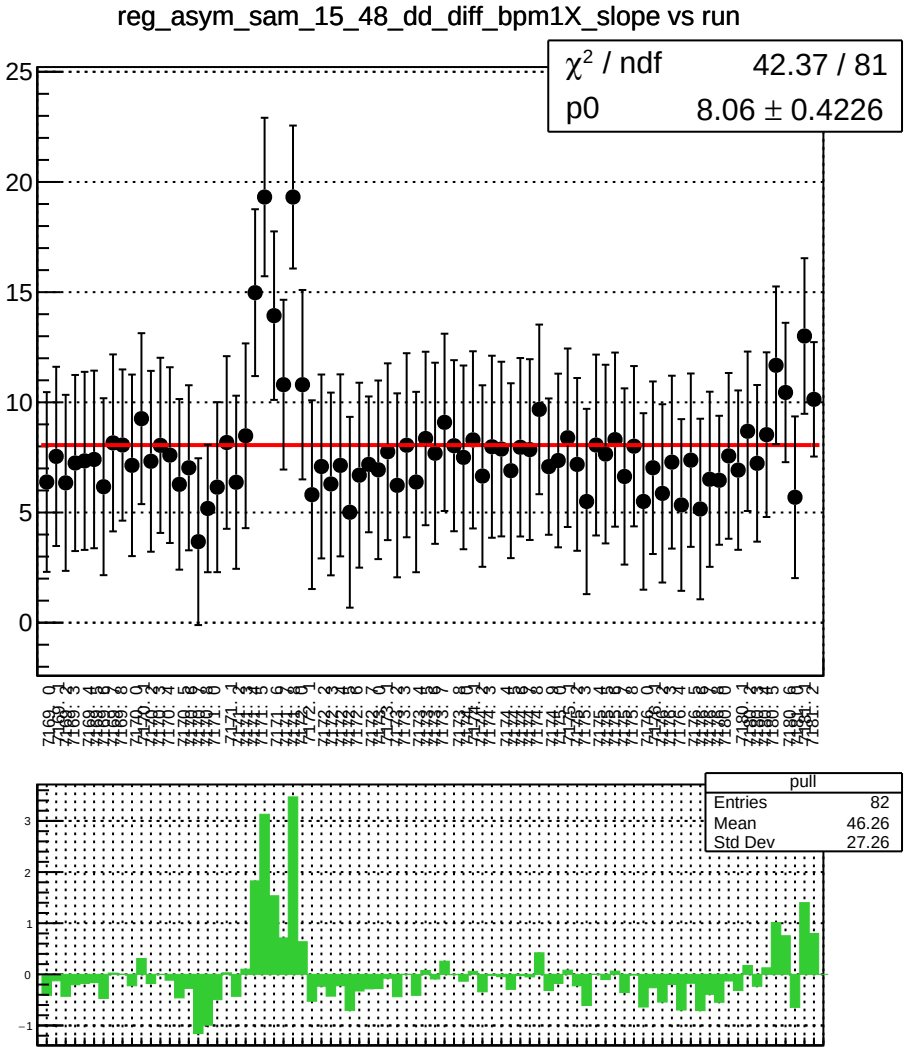

pull1D
Entries 82
Mean −0.0314
Std Dev 0.6106

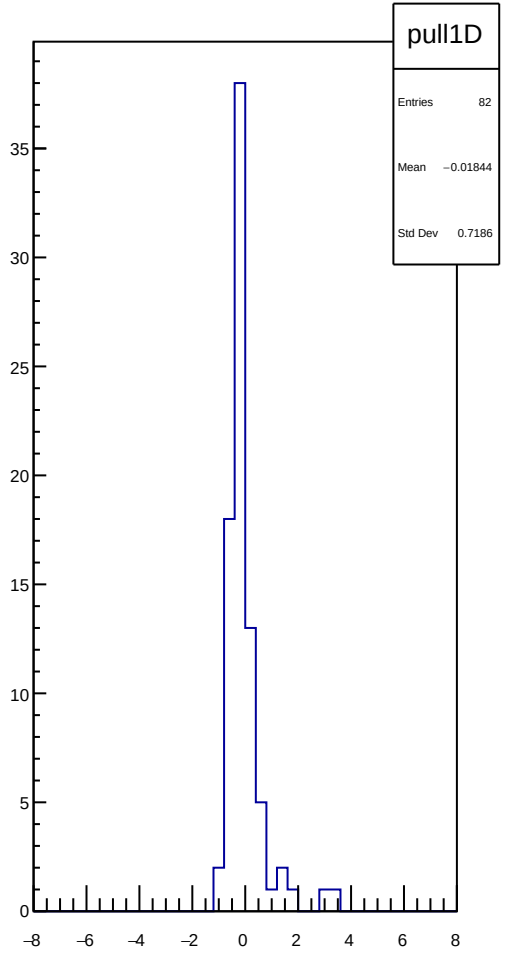

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.064 / 81
p0 −10.81 ± 0.3659
pull
Entries 82
Mean −74.36
Std Dev 121.7

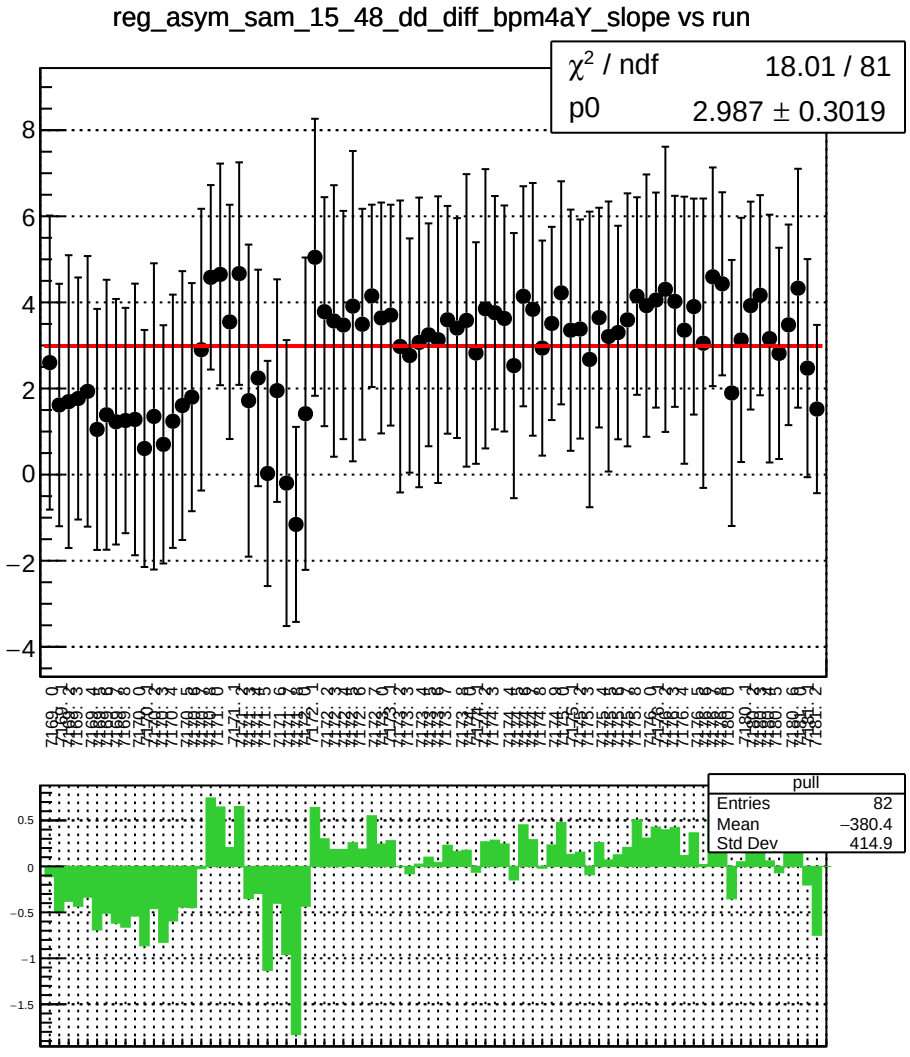

pull1D
Entries 82
Mean 0.015
Std Dev 0.3321

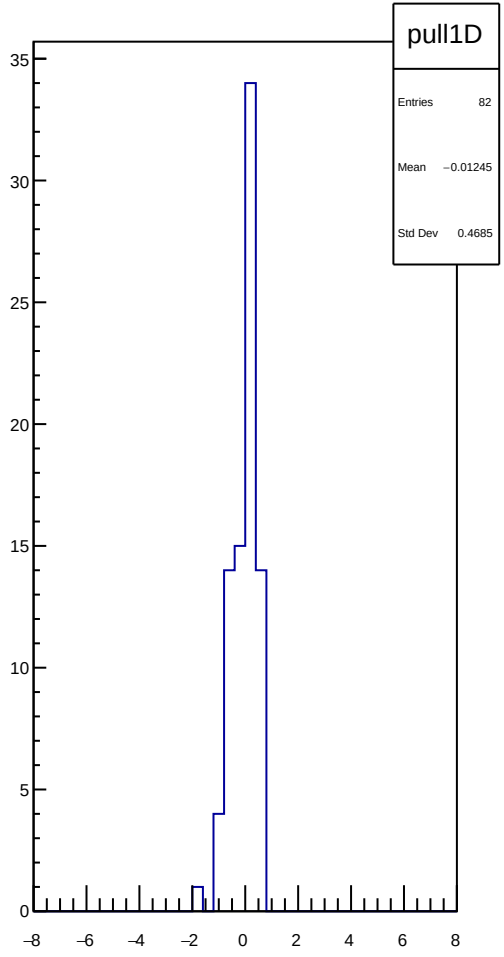

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.168 / 81
p0 0.427 ± 0.01697
pull
Entries 82
Mean 197.4
Std Dev 173.6

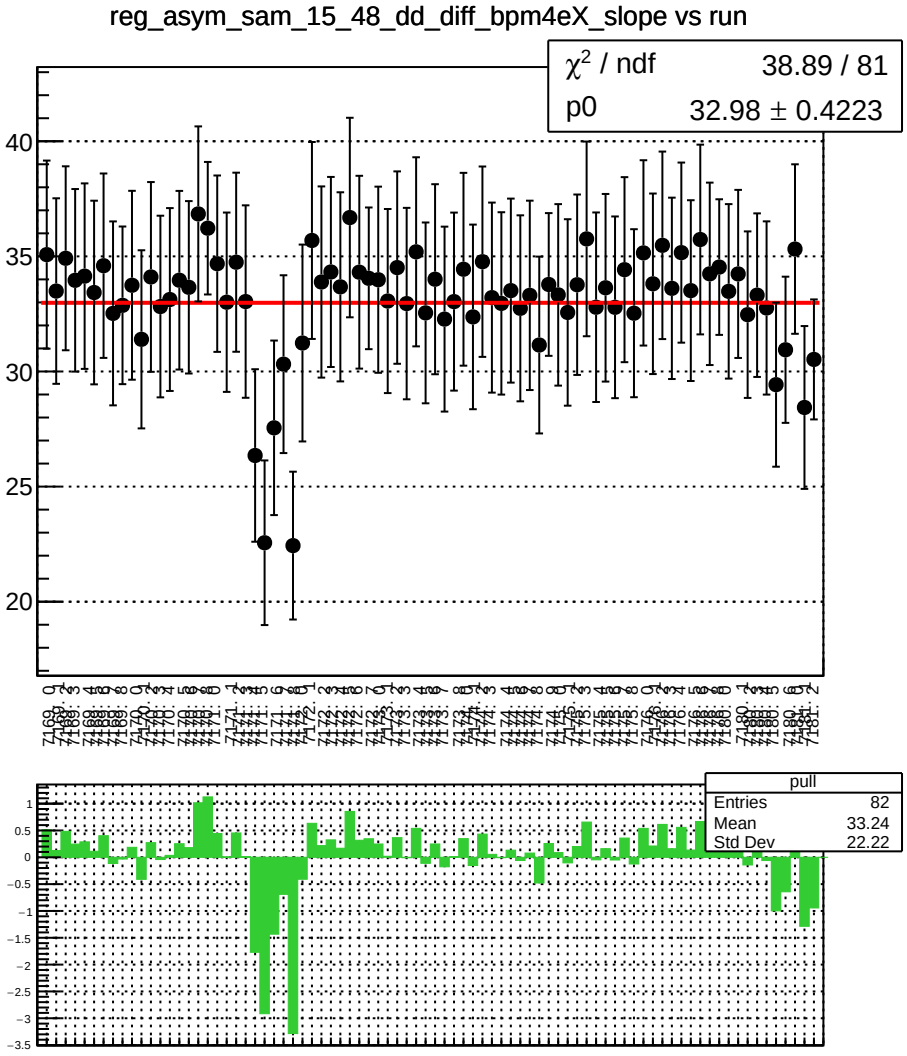

pull1D
Entries 82
Mean 0.003828
Std Dev 0.1965

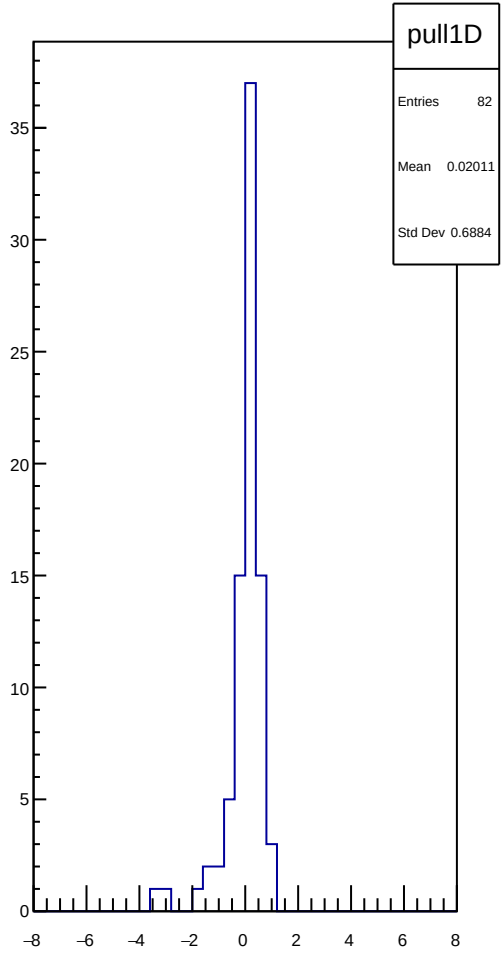

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 42.37 / 81
p0 8.06 ± 0.4226
pull
Entries 82
Mean 46.26
Std Dev 27.26

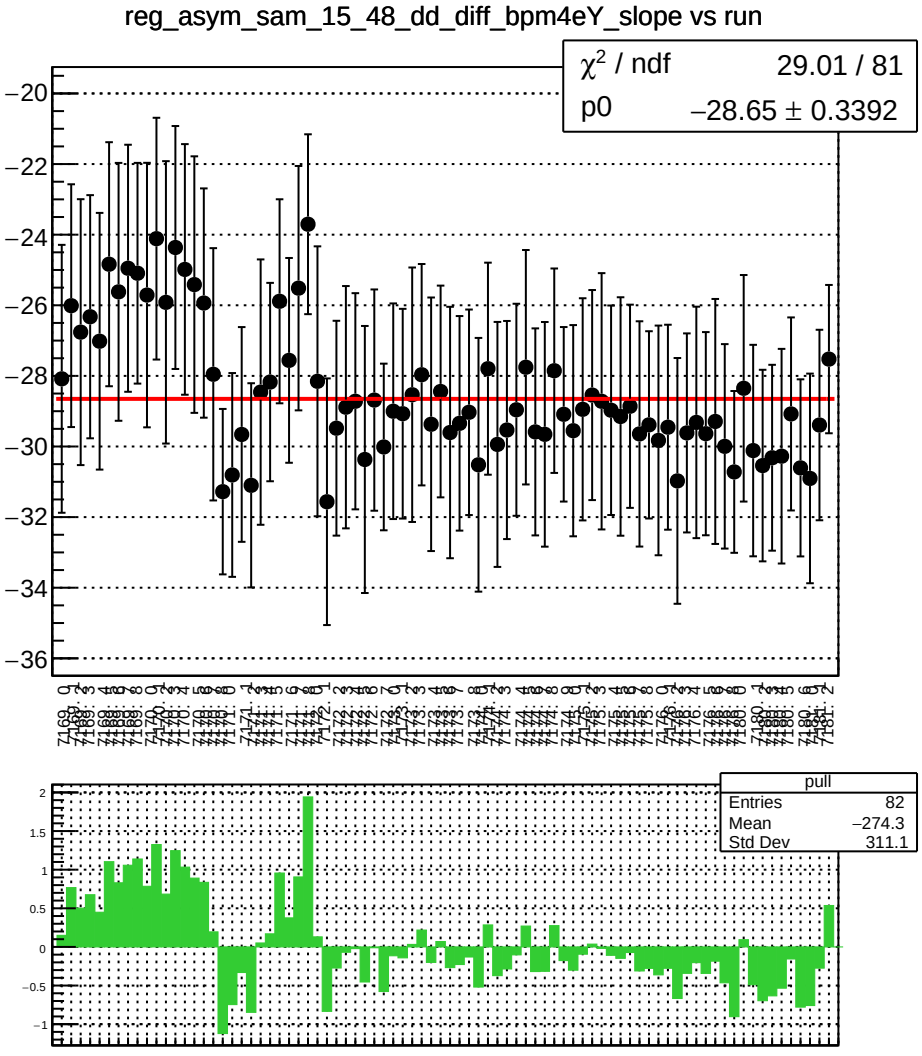

pull1D
Entries 82
Mean −0.01844
Std Dev 0.7186

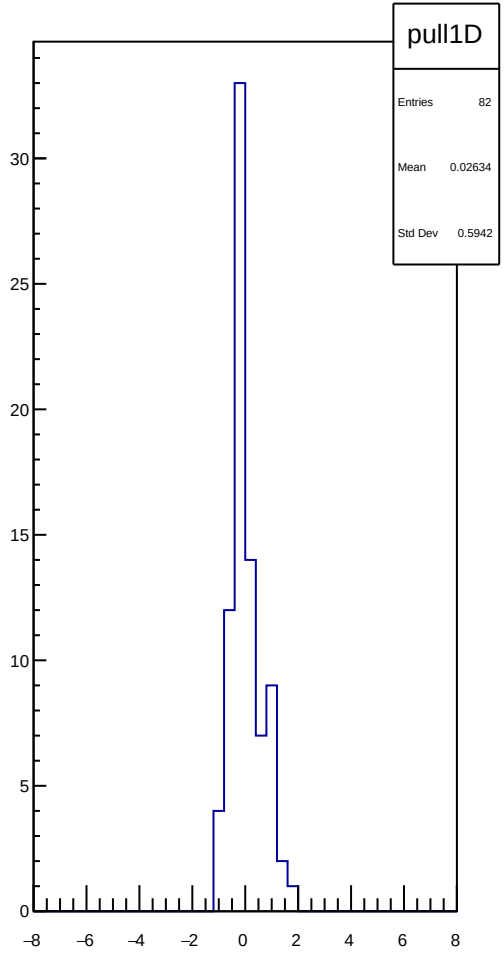

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.01 / 81
p0 2.987 ± 0.3019
pull
Entries 82
Mean −380.4
Std Dev 414.9

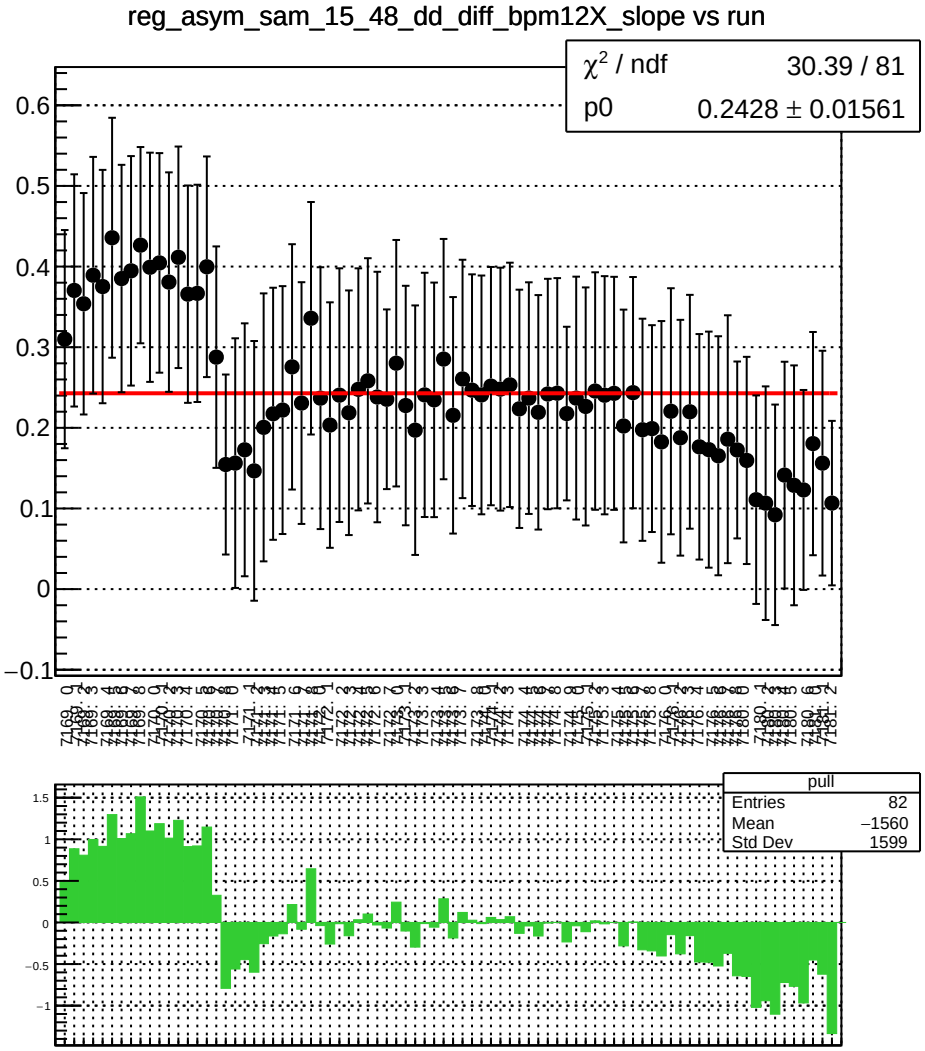

pull1D
Entries 82
Mean −0.01245
Std Dev 0.4685

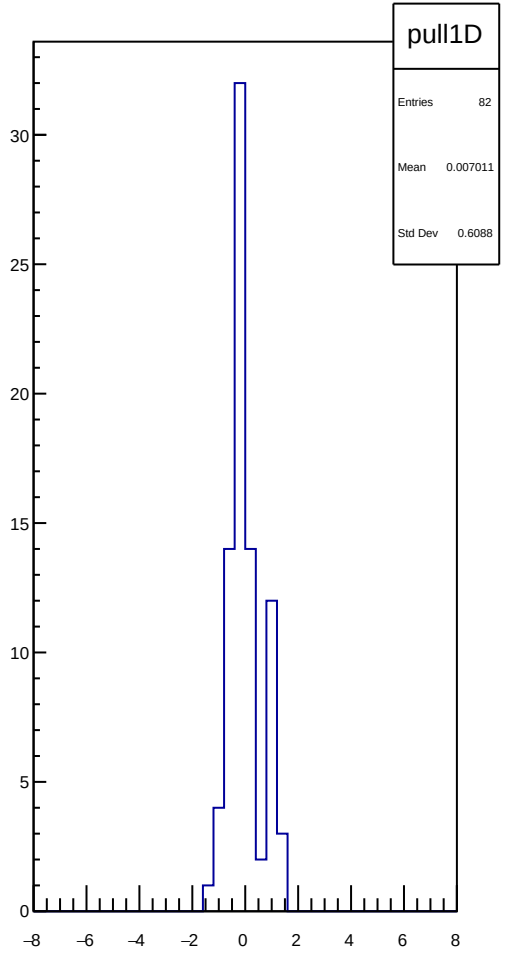

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.89 / 81
p0 32.98 ± 0.4223
pull
Entries 82
Mean 33.24
Std Dev 22.22

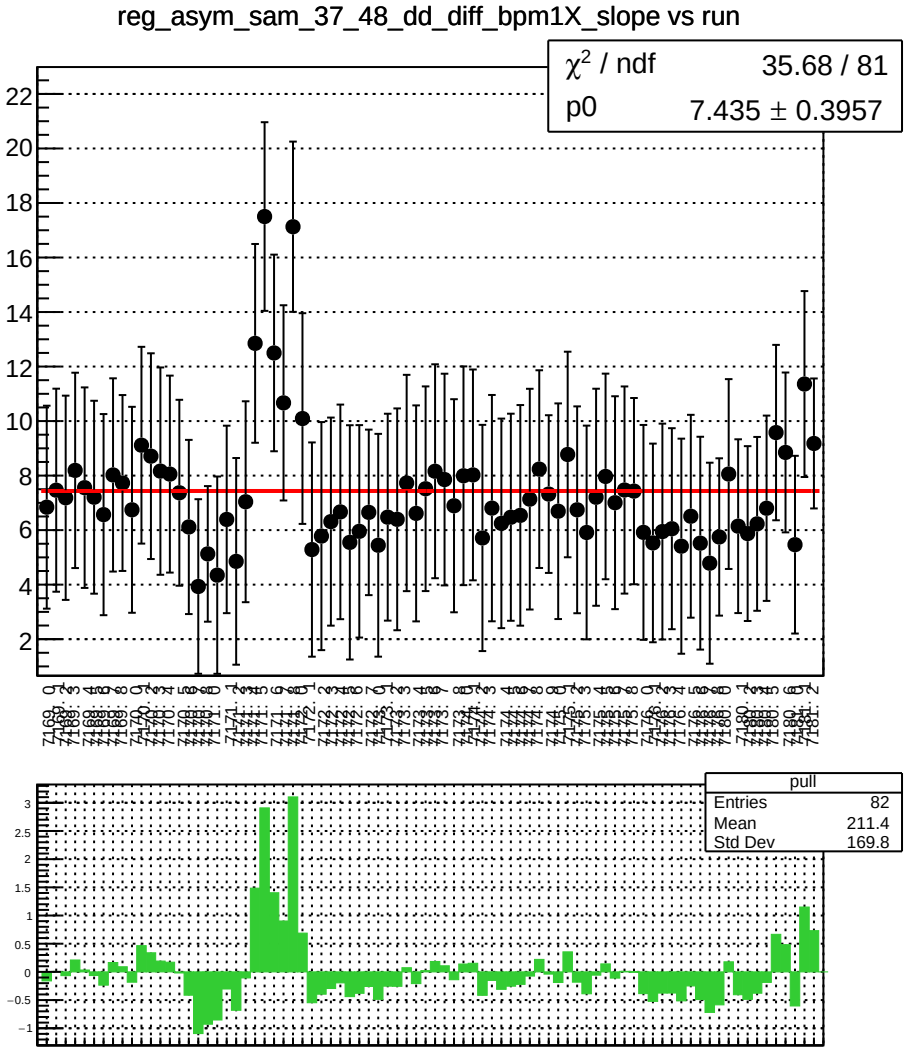

pull1D
Entries 82
Mean 0.02011
Std Dev 0.6884

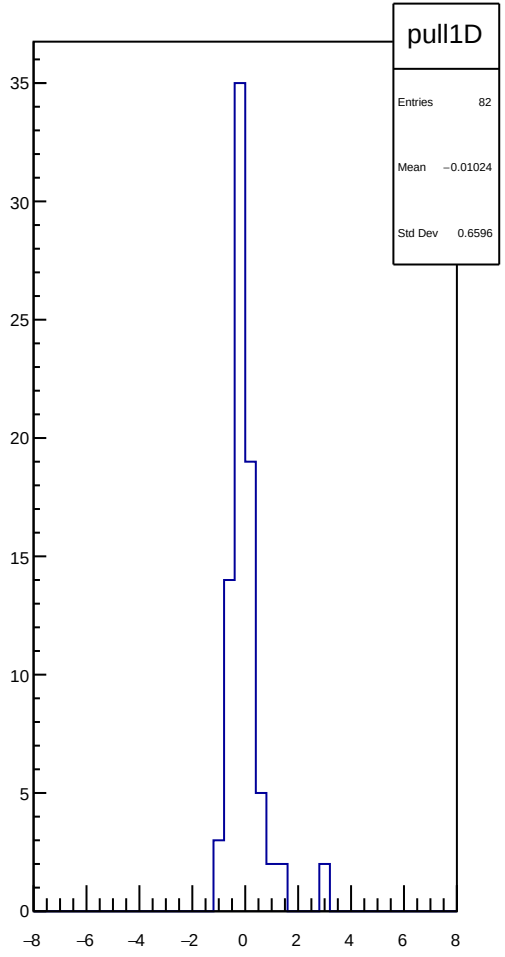

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.01 / 81
p0 −28.65 ± 0.3392
pull
Entries 82
Mean −274.3
Std Dev 311.1

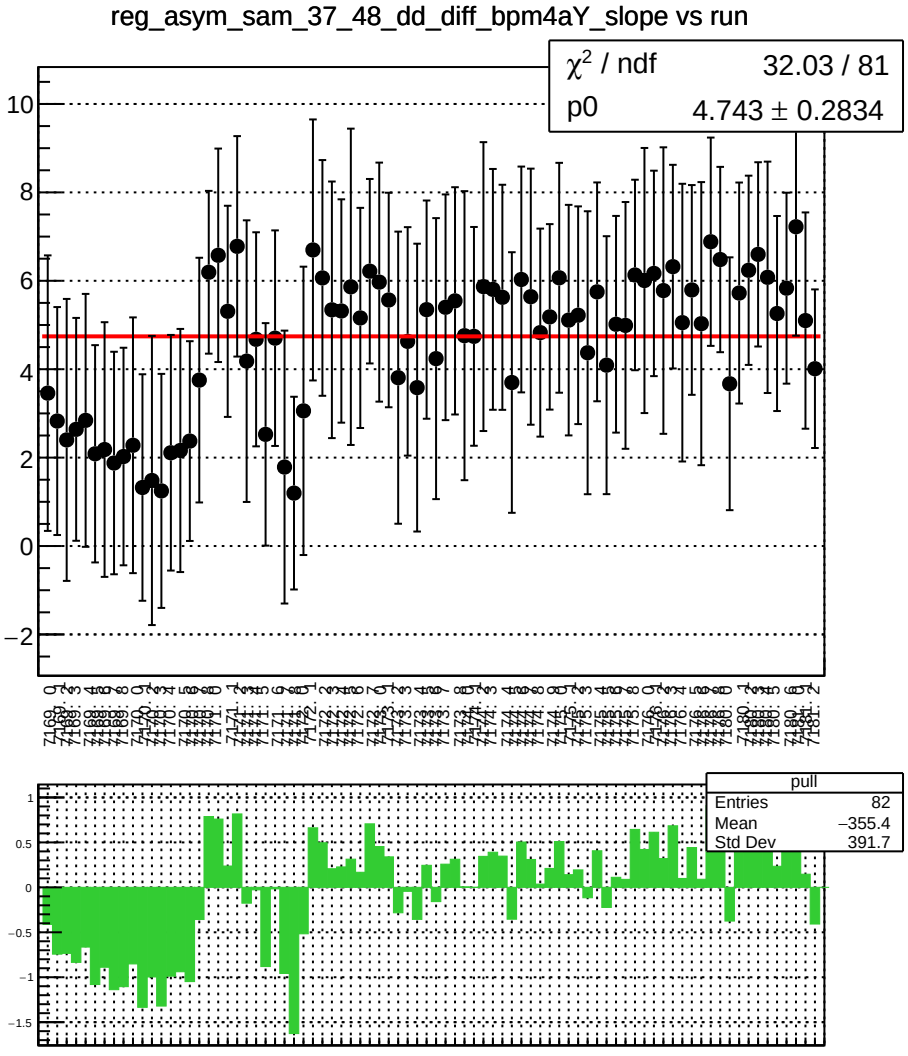

pull1D
Entries 82
Mean 0.02634
Std Dev 0.5942

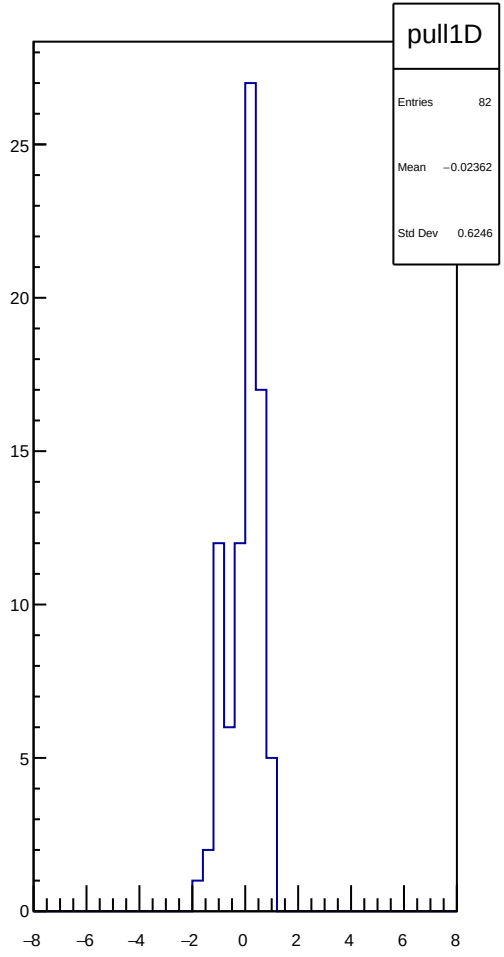

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.39 / 81
p0 0.2428 ± 0.01561
pull
Entries 82
Mean −1560
Std Dev 1599

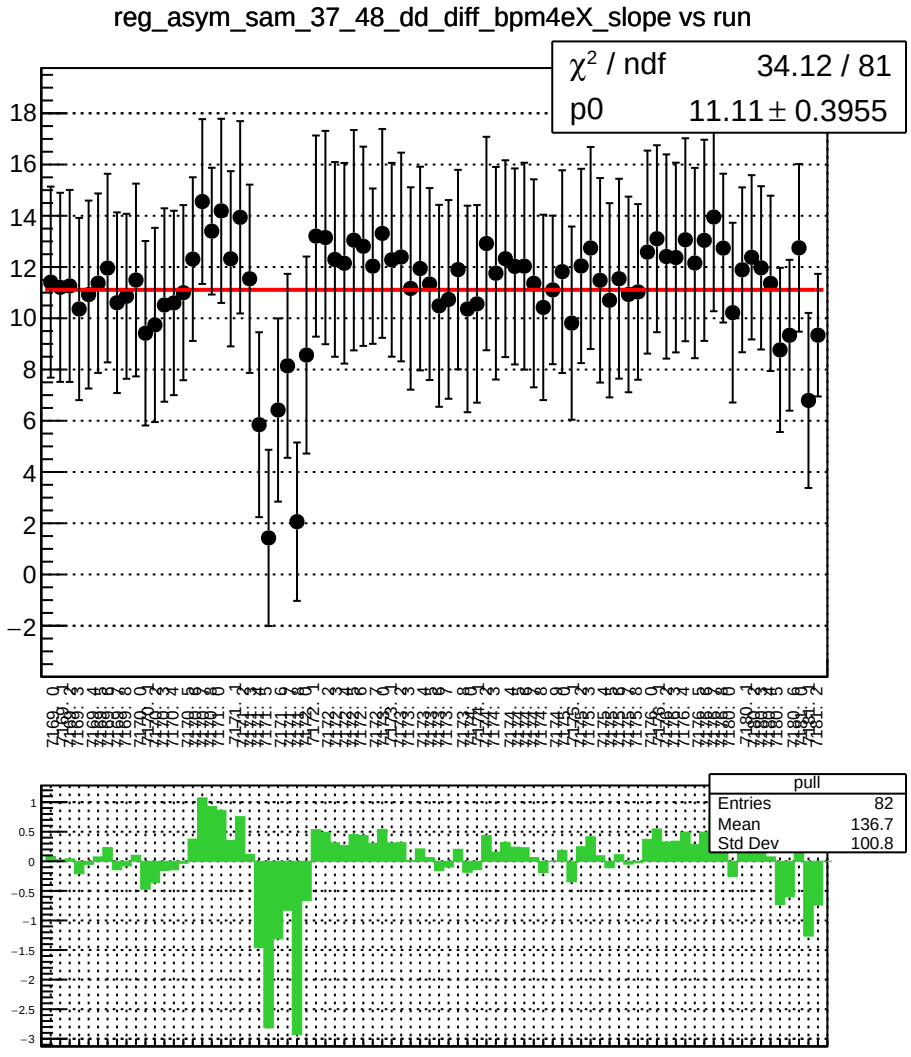

pull1D
Entries 82
Mean 0.007011
Std Dev 0.6088

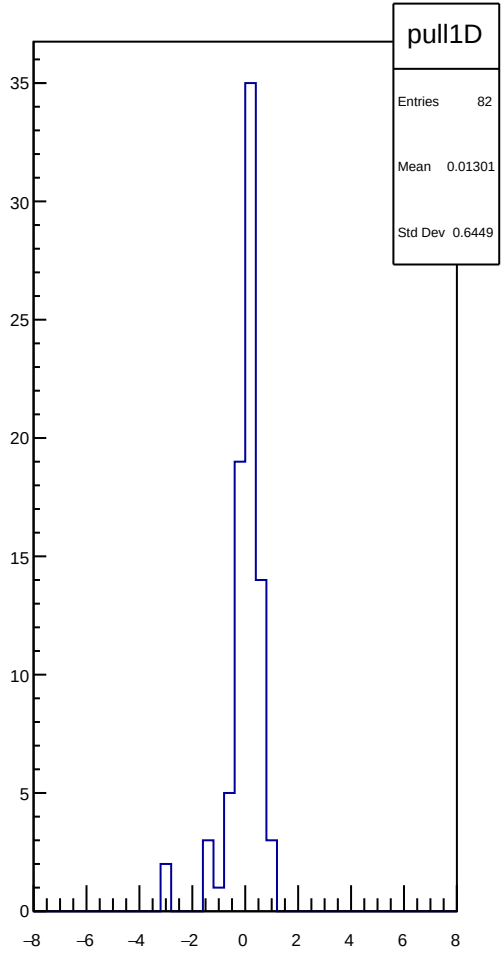

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 35.68 / 81
p0 7.435 ± 0.3957
pull
Entries 82
Mean 211.4
Std Dev 169.8

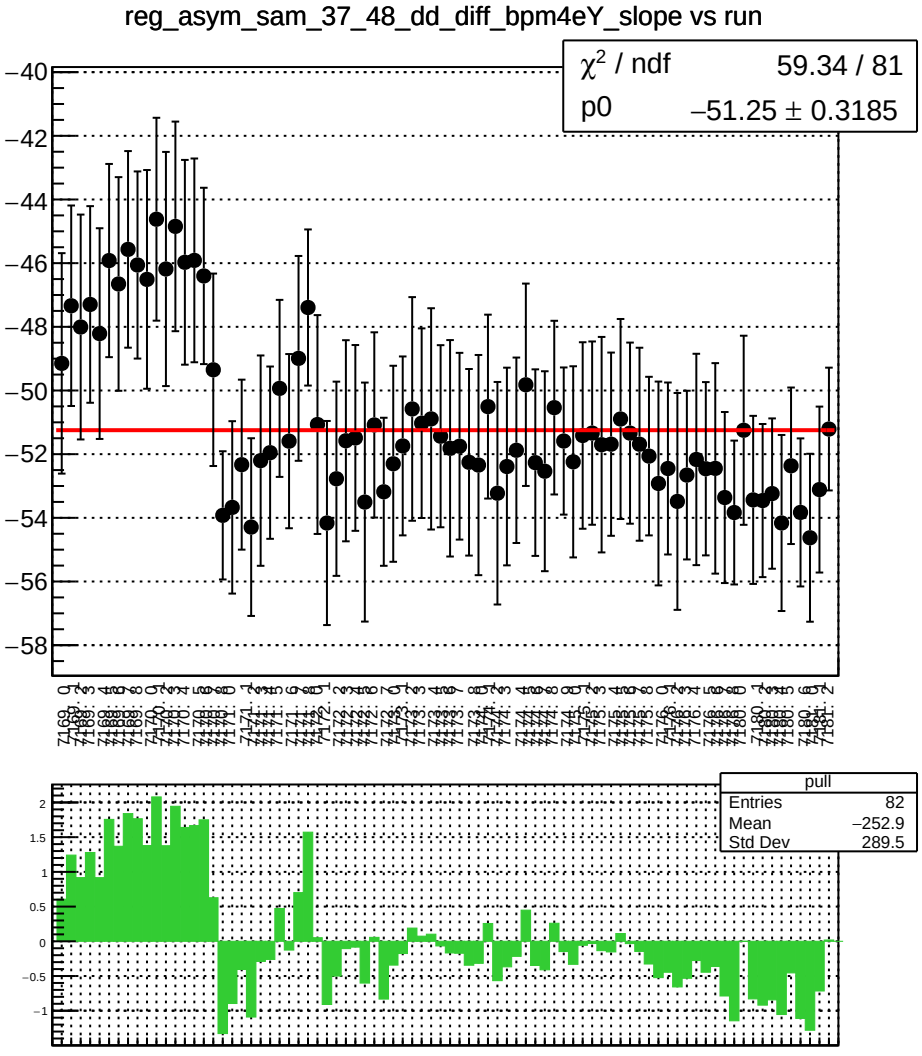

pull1D
Entries 82
Mean −0.01024
Std Dev 0.6596

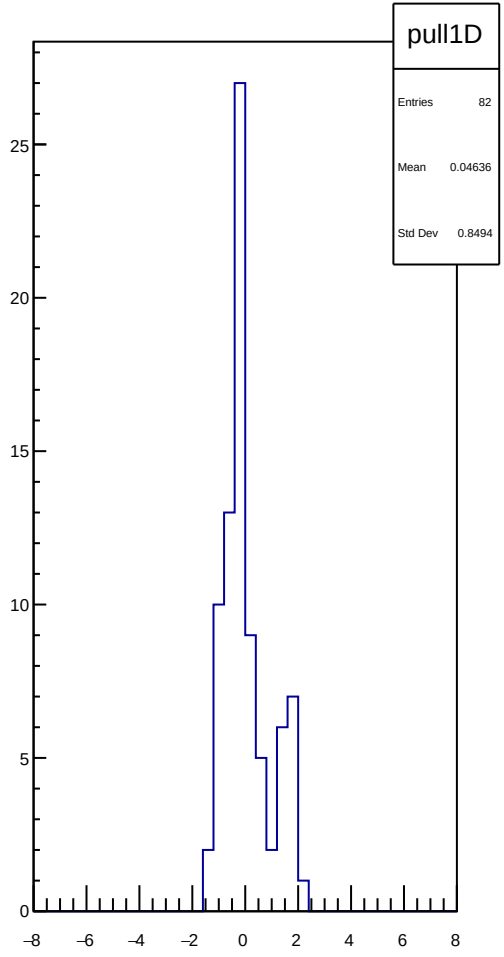

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.03 / 81
p0 4.743 ± 0.2834
pull
Entries 82
Mean −355.4
Std Dev 391.7

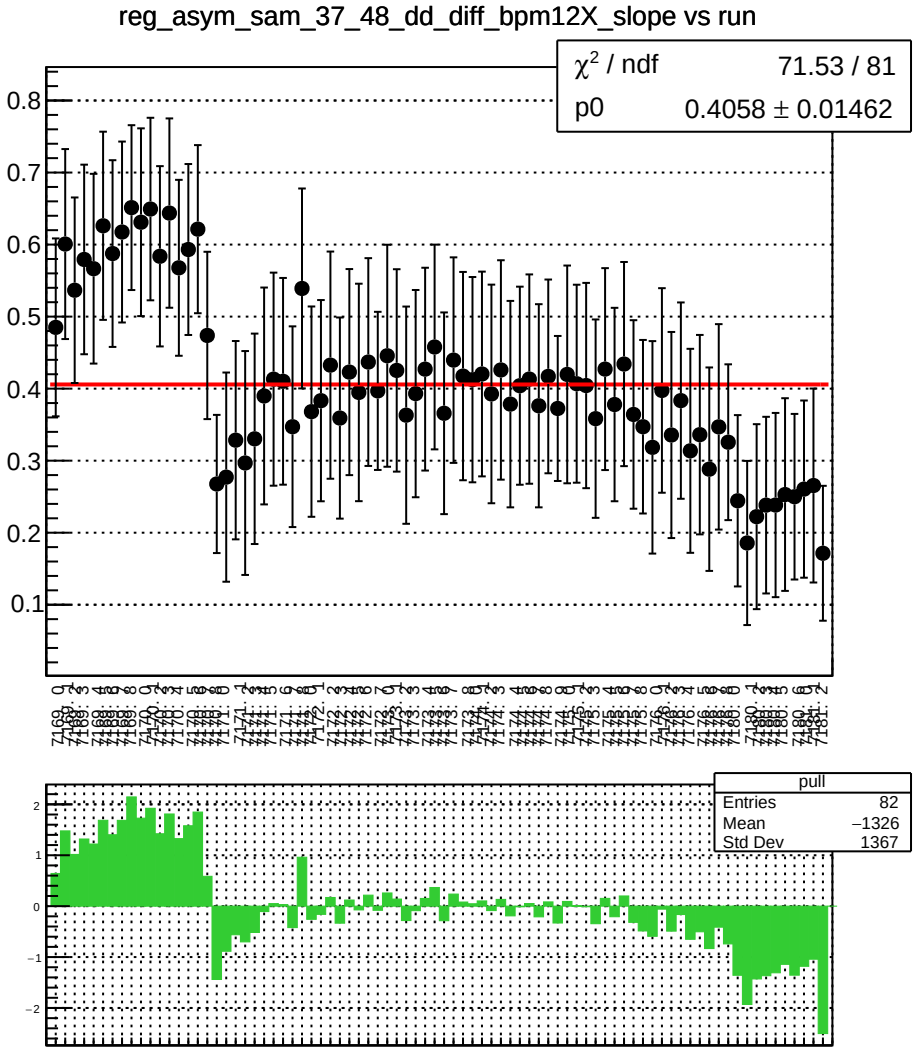

pull1D
Entries 82
Mean −0.02362
Std Dev 0.6246

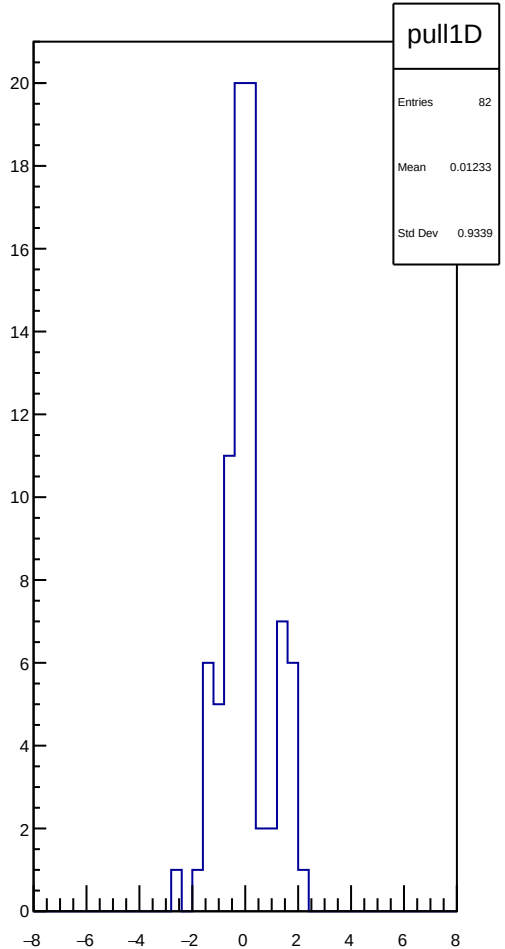

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.12 / 81
p0 11.11 ± 0.3955
pull
Entries 82
Mean 136.7
Std Dev 100.8

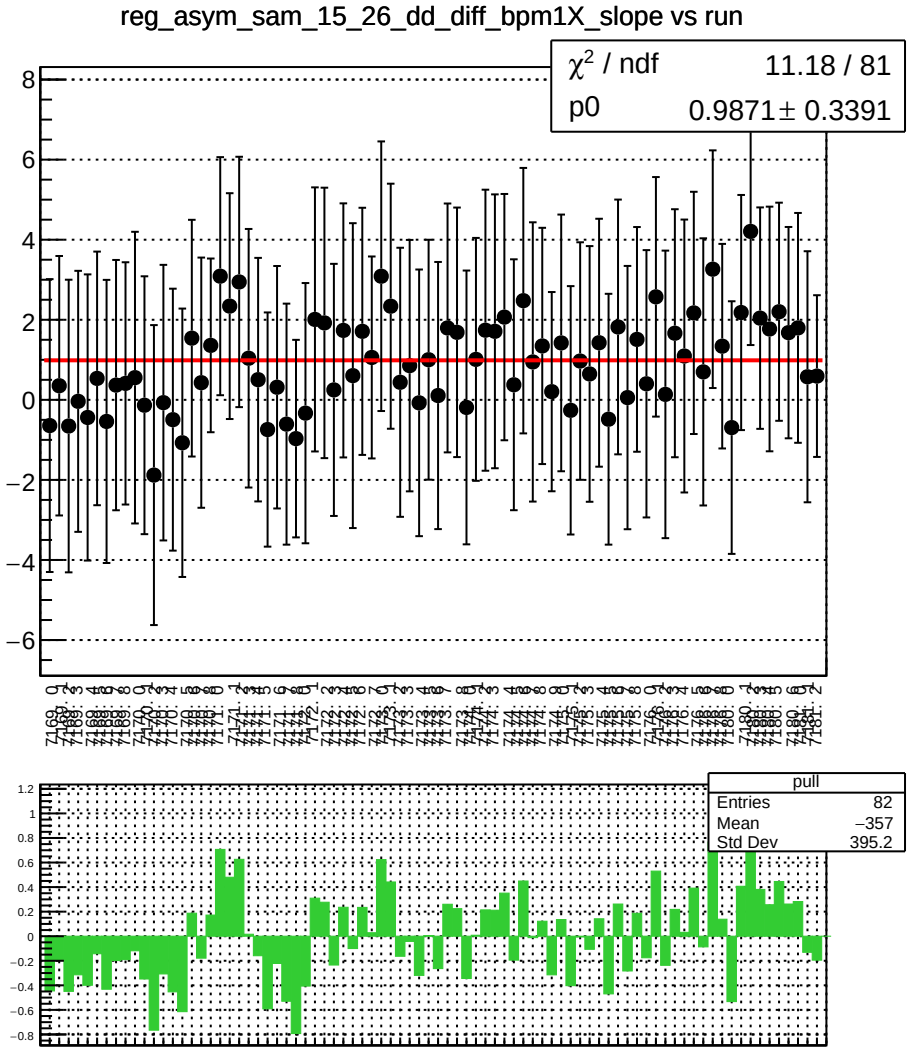

pull1D
Entries 82
Mean 0.01301
Std Dev 0.6449

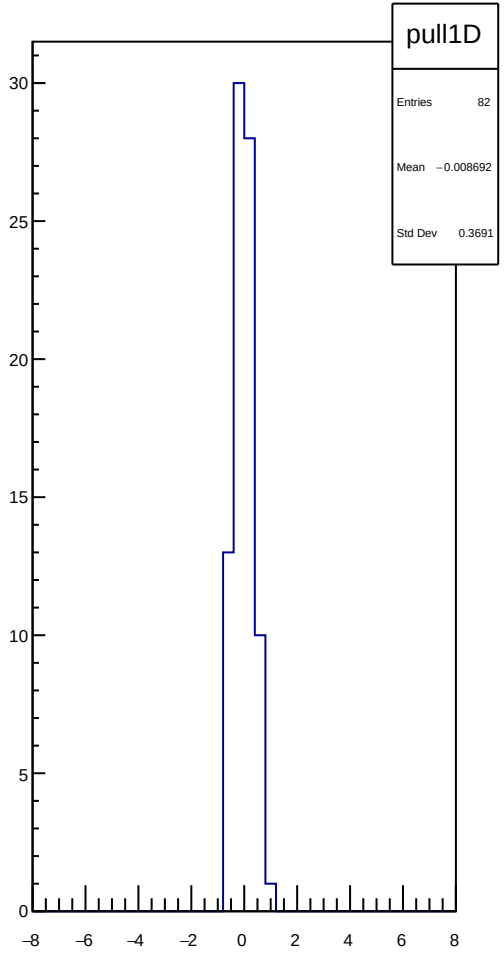

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.34 / 81
p0 −51.25 ± 0.3185
pull
Entries 82
Mean −252.9
Std Dev 289.5

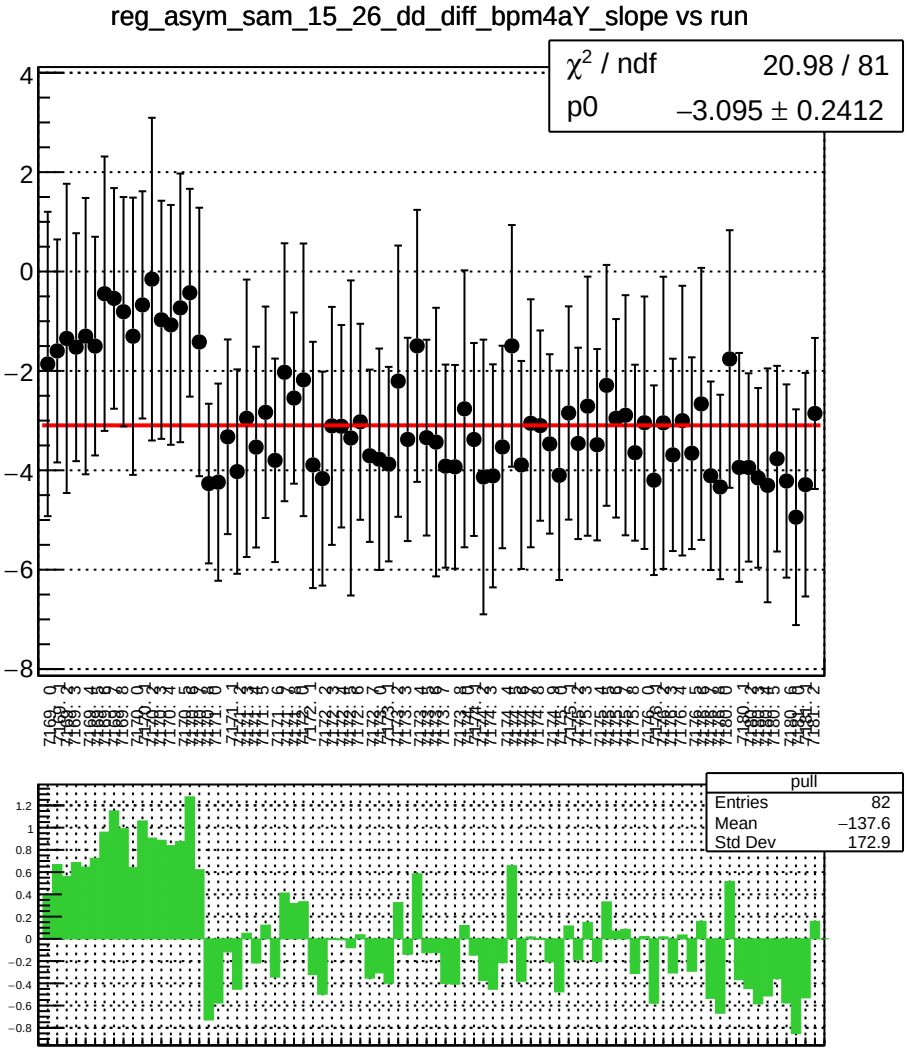

pull1D
Entries 82
Mean 0.04636
Std Dev 0.8494

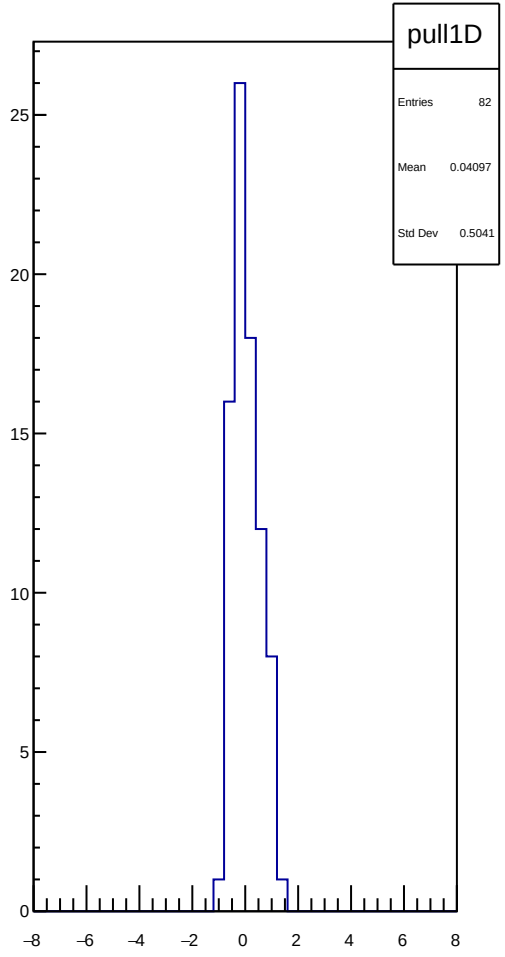

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 71.53 / 81
p0 0.4058 ± 0.01462
pull
Entries 82
Mean −1326
Std Dev 1367

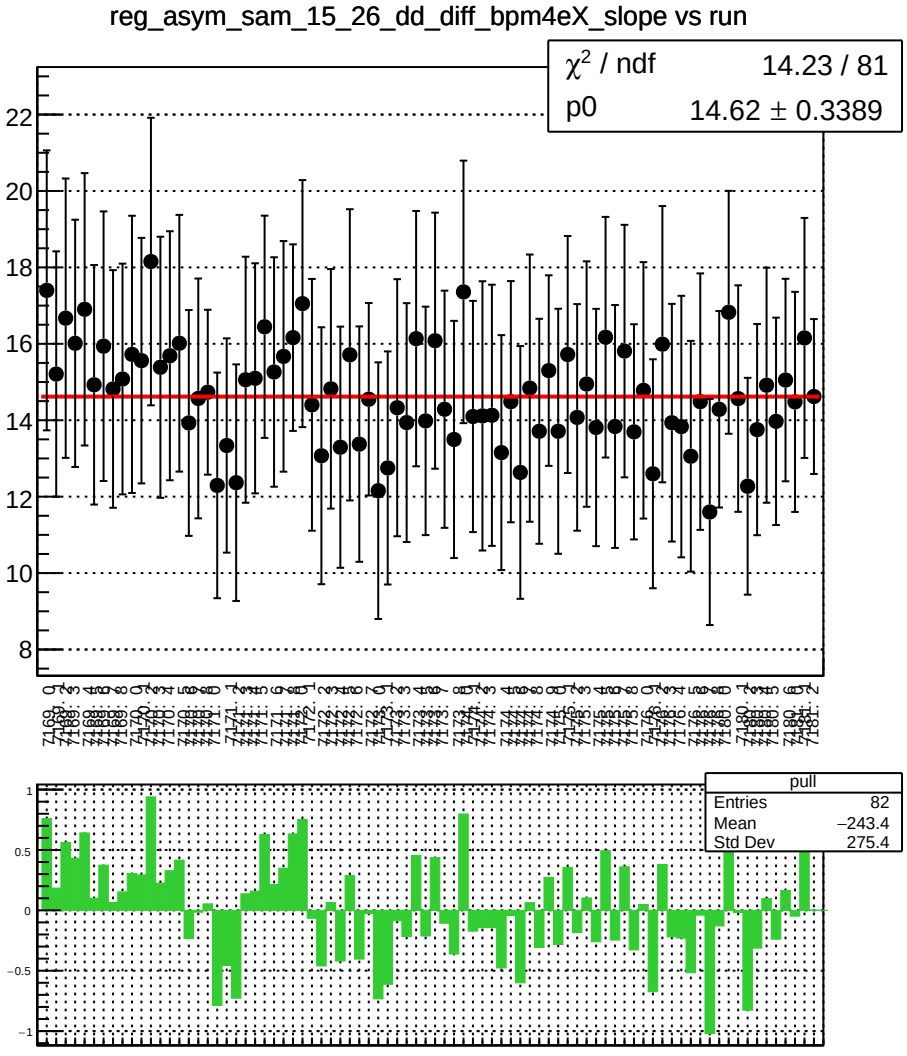

pull1D
Entries 82
Mean 0.01233
Std Dev 0.9339

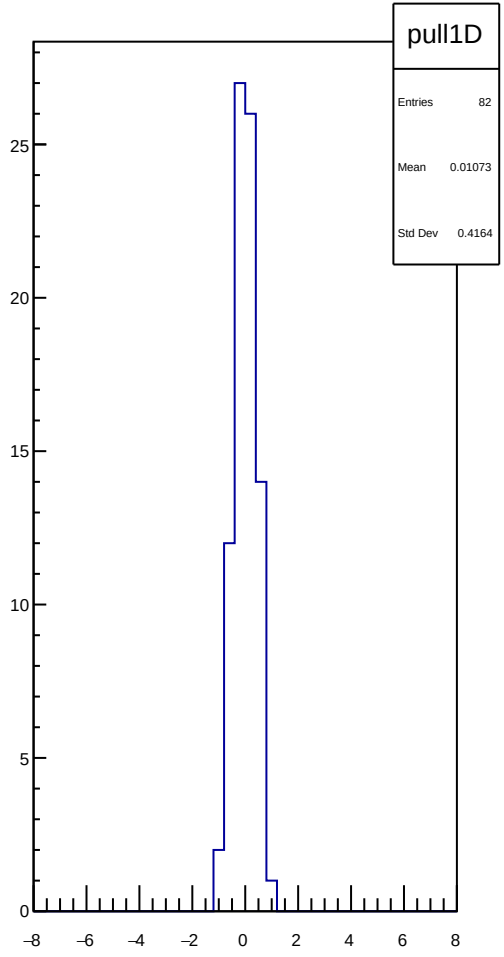

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.18 / 81
p0 0.9871 ± 0.3391
pull
Entries 82
Mean −357
Std Dev 395.2

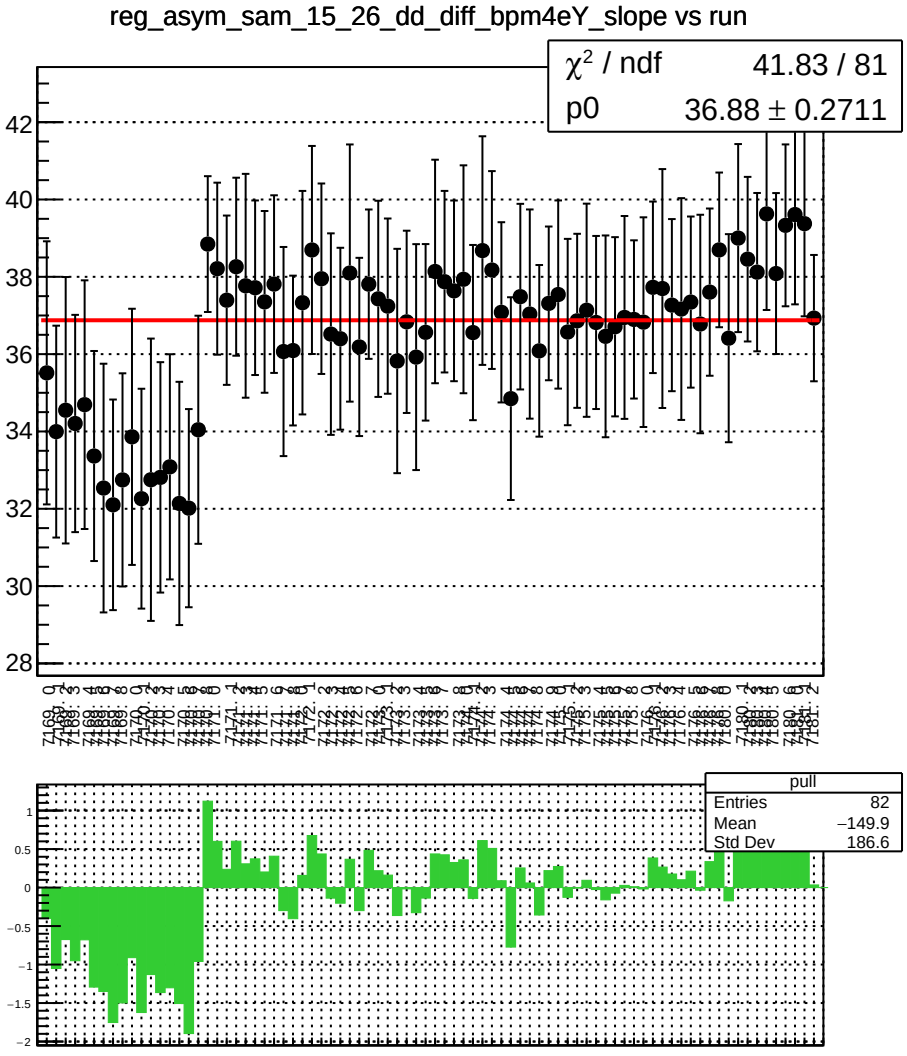

pull1D
Entries 82
Mean −0.008692
Std Dev 0.3691

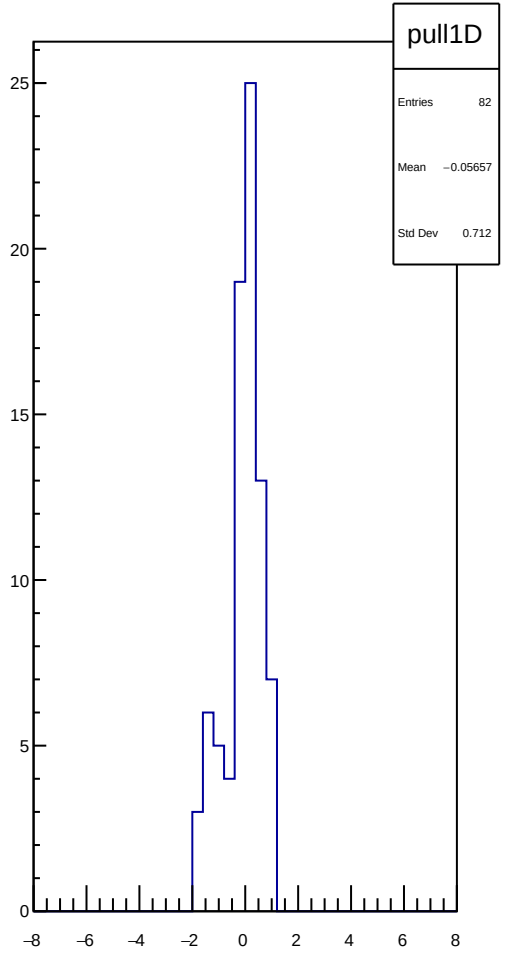

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 20.98 / 81
p0 −3.095 ± 0.2412
pull
Entries 82
Mean −137.6
Std Dev 172.9

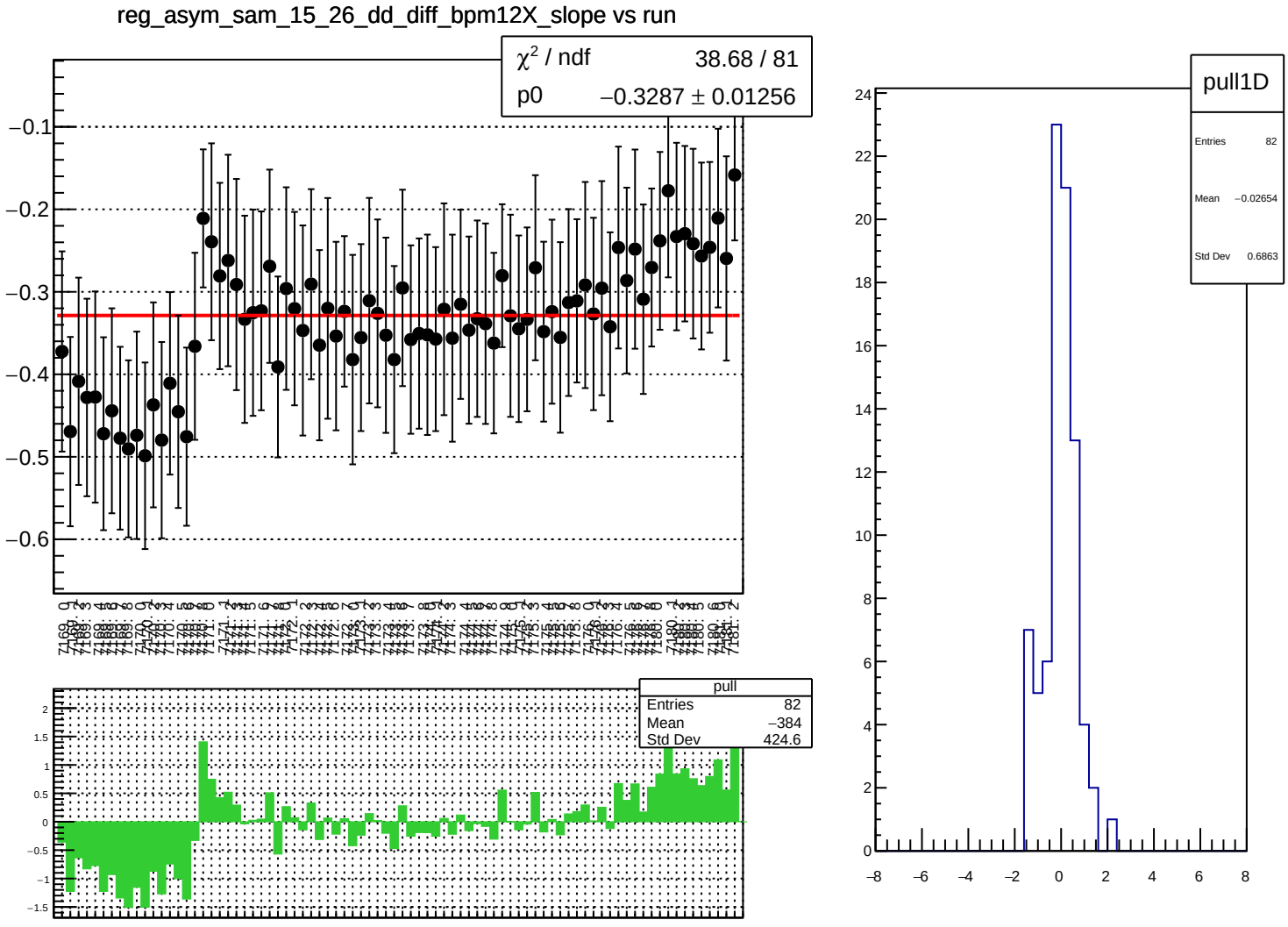

pull1D
Entries 82
Mean 0.04097
Std Dev 0.5041

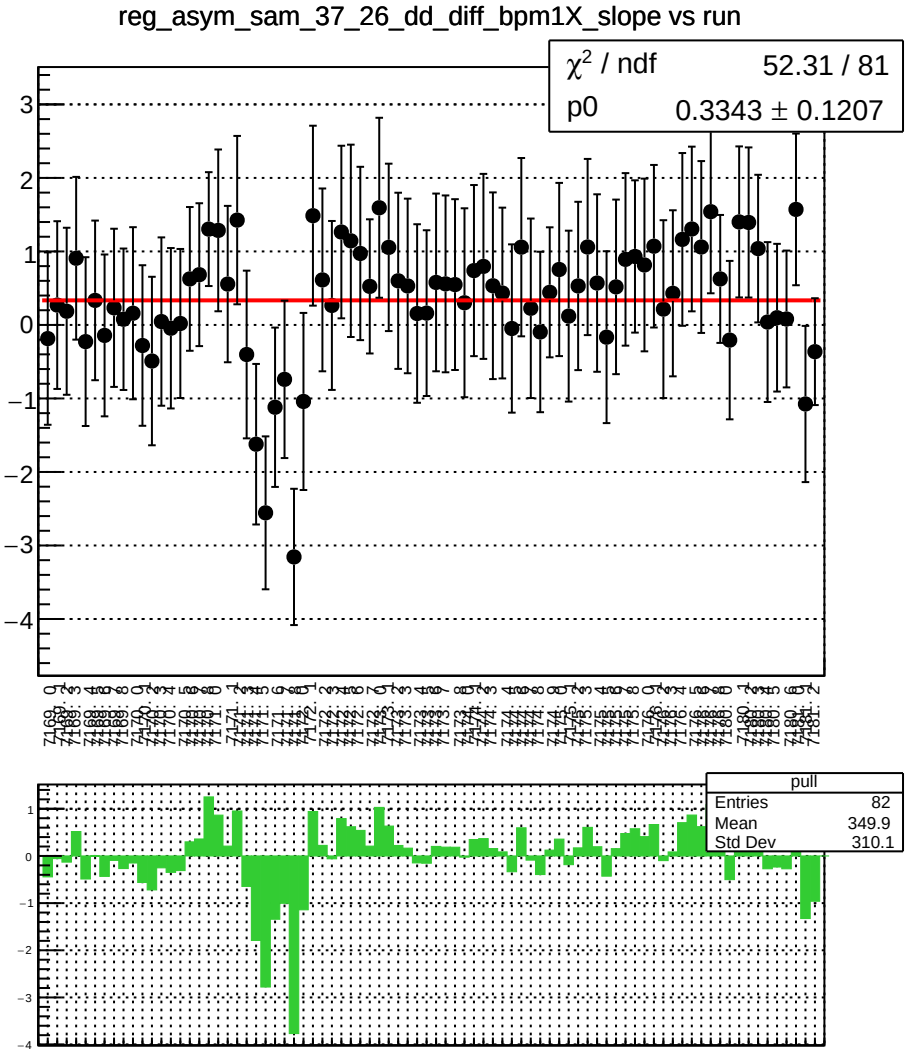

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.23 / 81
p0 14.62 ± 0.3389
pull
Entries 82
Mean −243.4
Std Dev 275.4

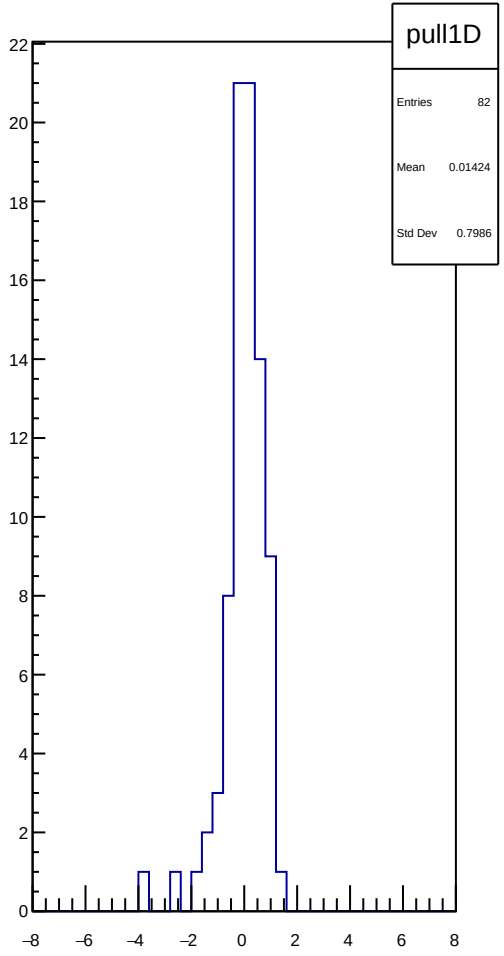

pull1D
Entries 82
Mean 0.01073
Std Dev 0.4164


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.83 / 81
p0 36.88 ± 0.2711
pull
Entries 82
Mean −149.9
Std Dev 186.6

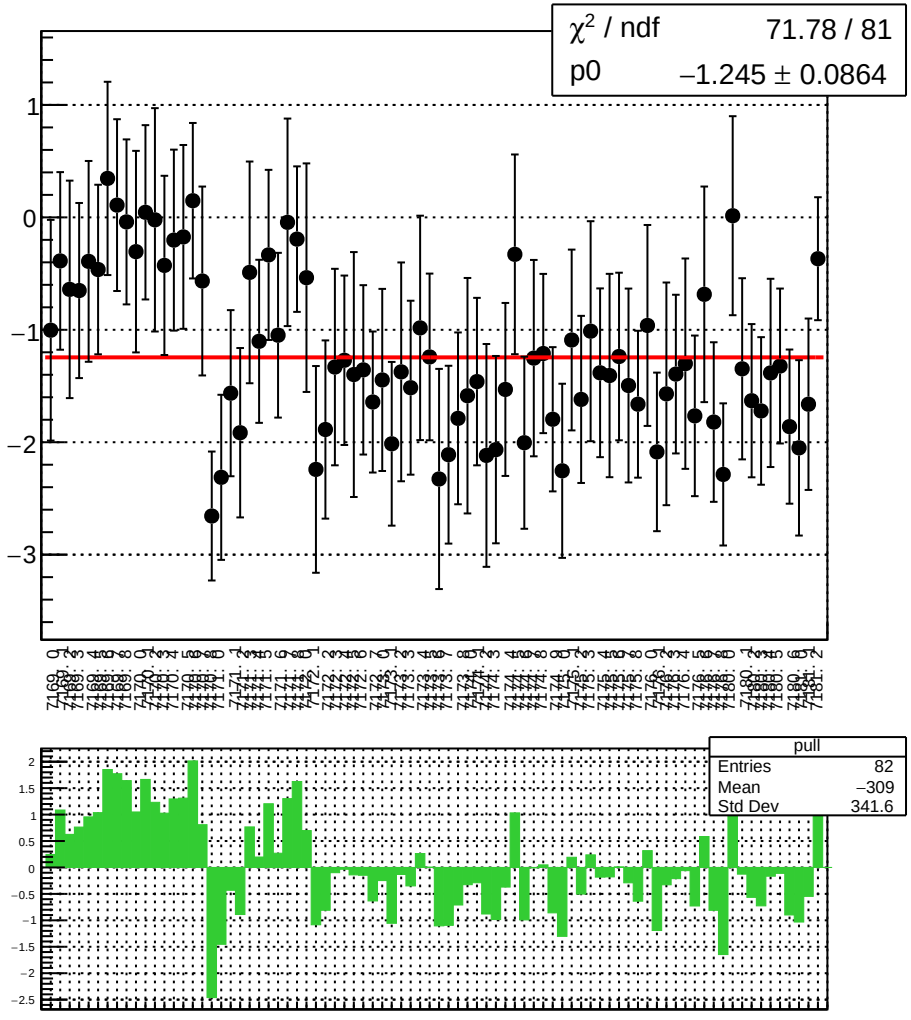

pull1D
Entries 82
Mean −0.05657
Std Dev 0.712

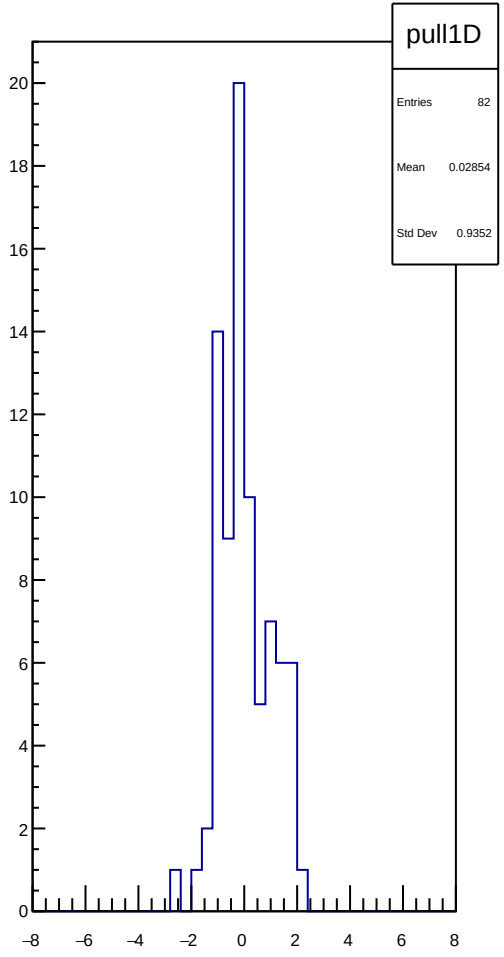

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 38.68 / 81
p0 −0.3287 ± 0.01256
pull
Entries 82
Mean −384
Std Dev 424.6
pull1D
Entries 82
Mean −0.02654
Std Dev 0.6863

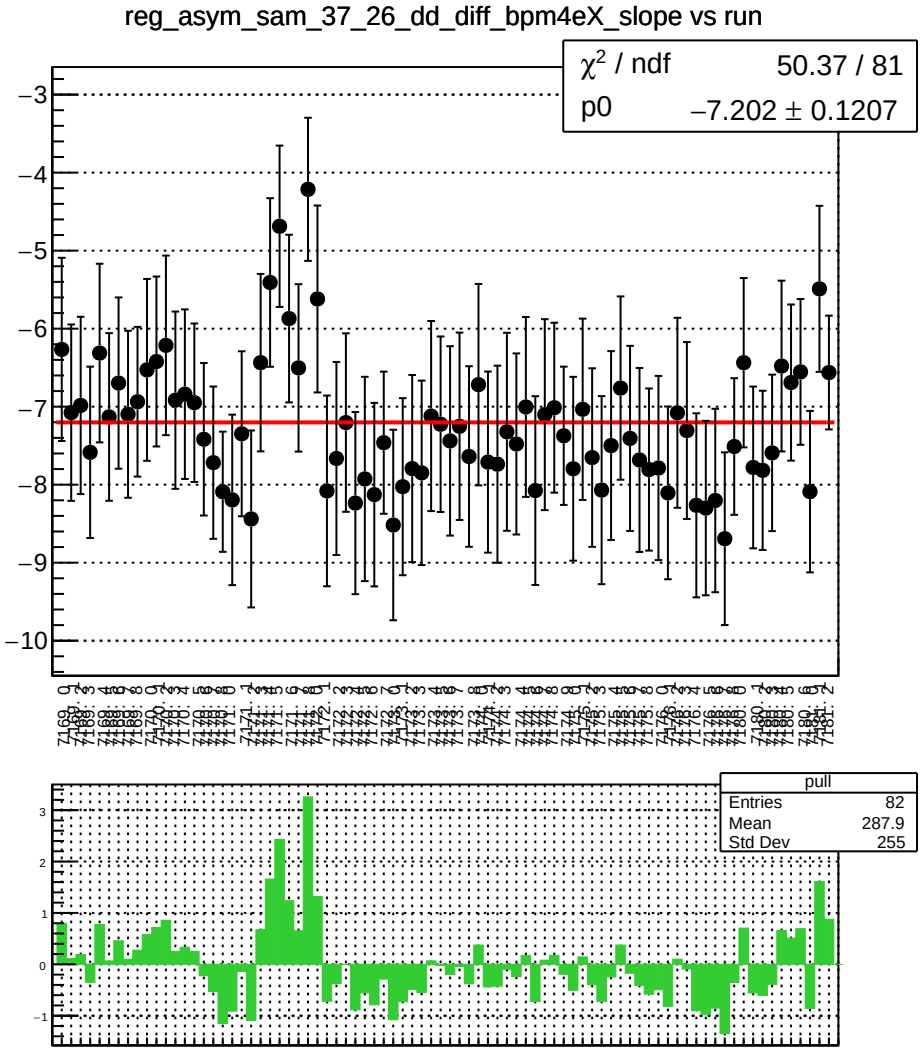

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 52.31 / 81
p0 0.3343 ± 0.1207
pull
Entries 82
Mean 349.9
Std Dev 310.1

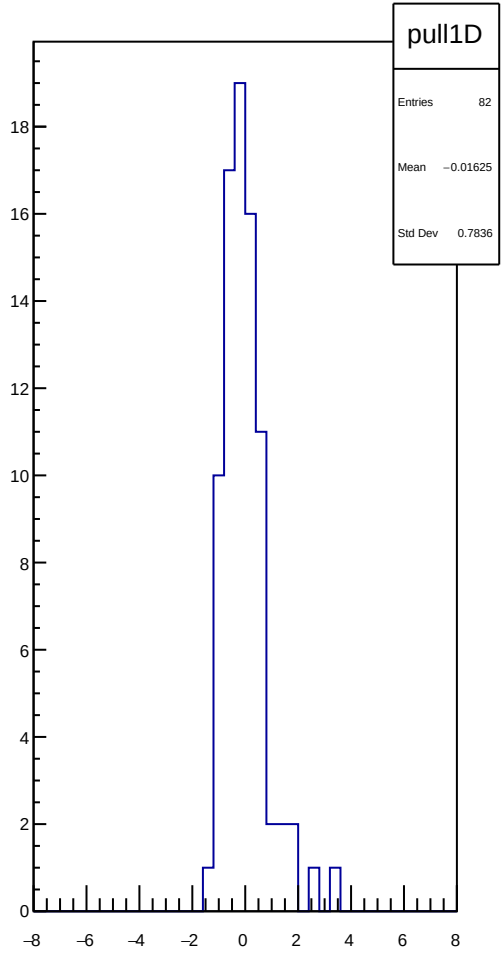

pull1D
Entries 82
Mean 0.01424
Std Dev 0.7986

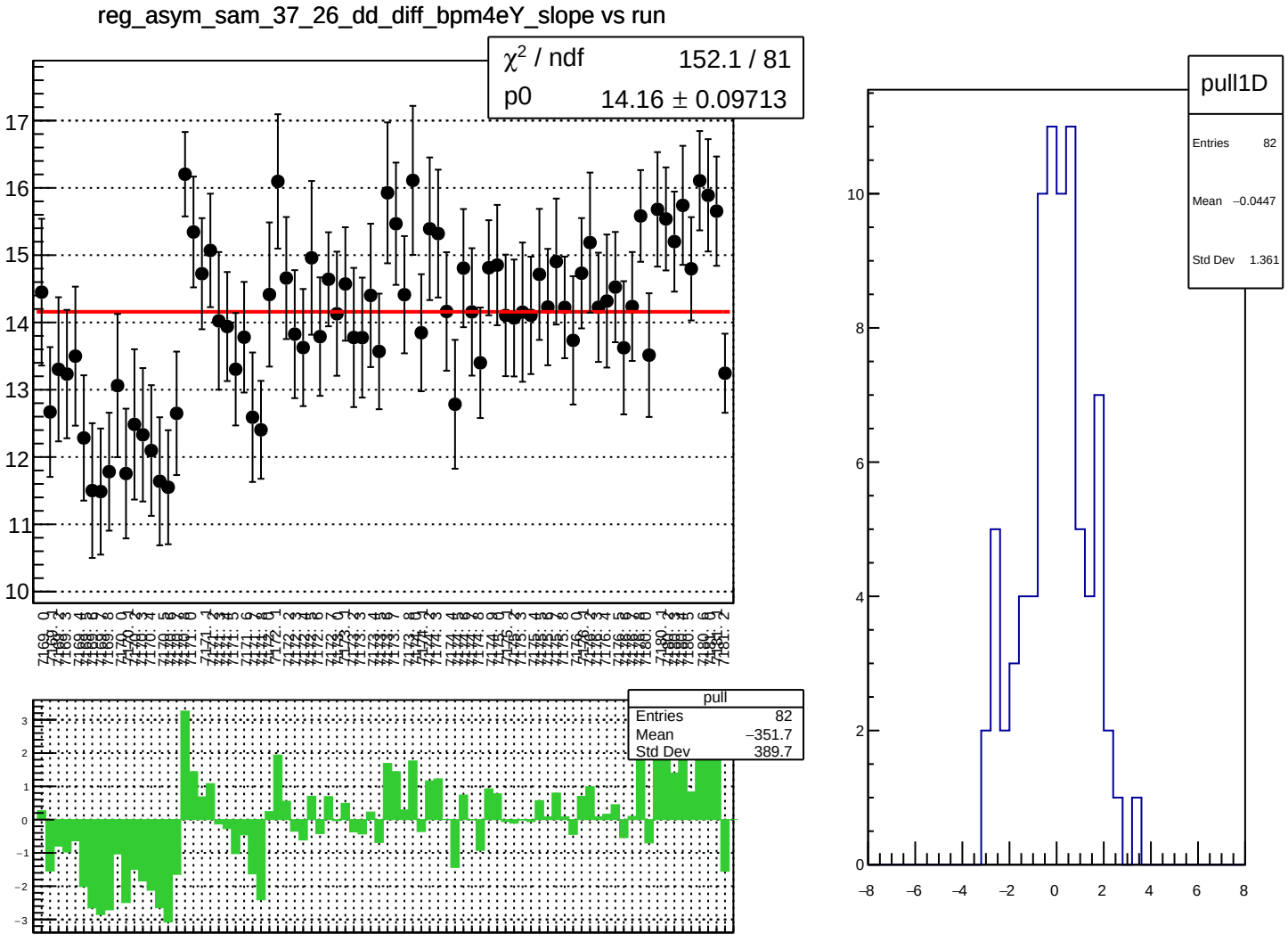
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

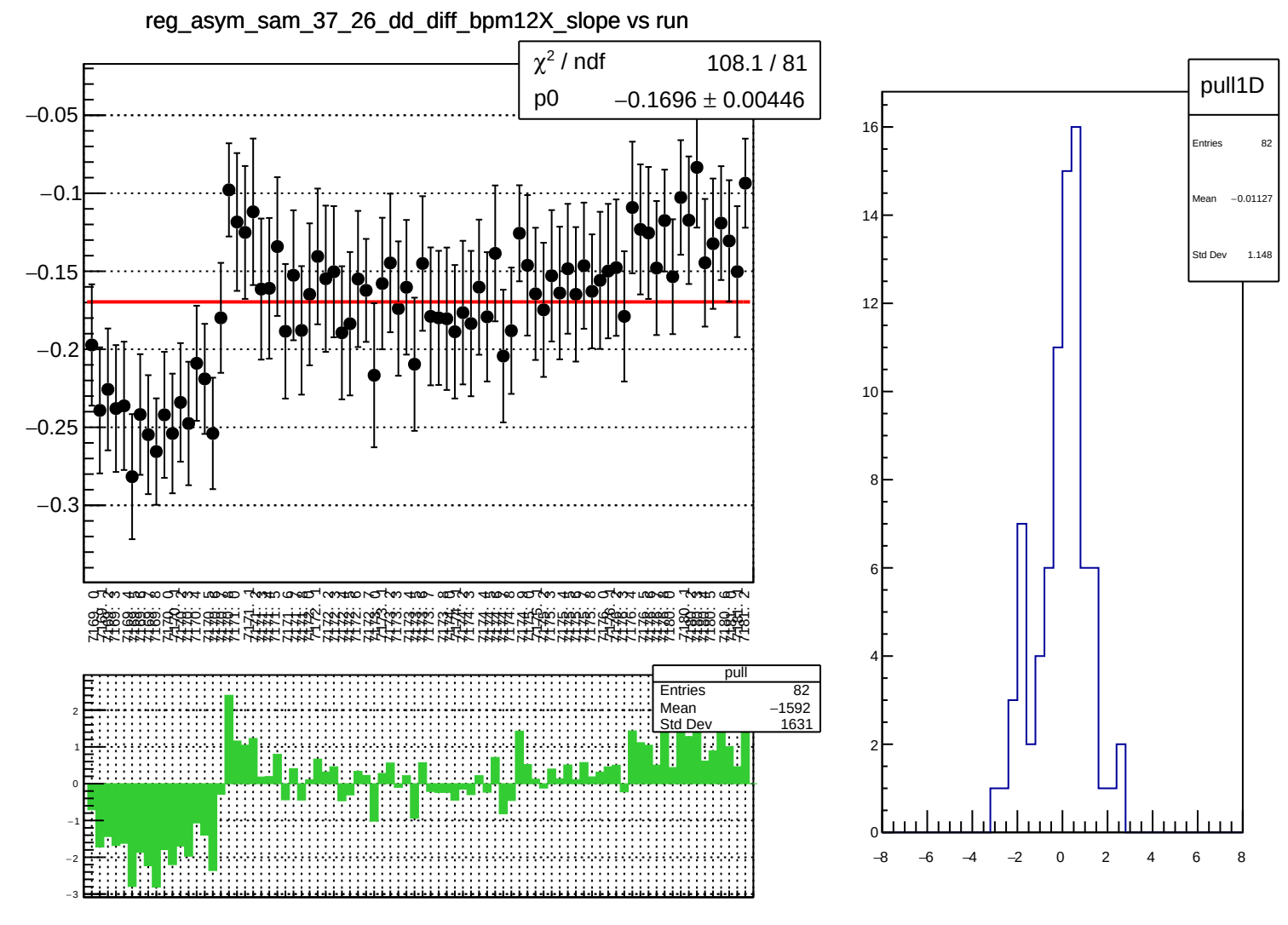


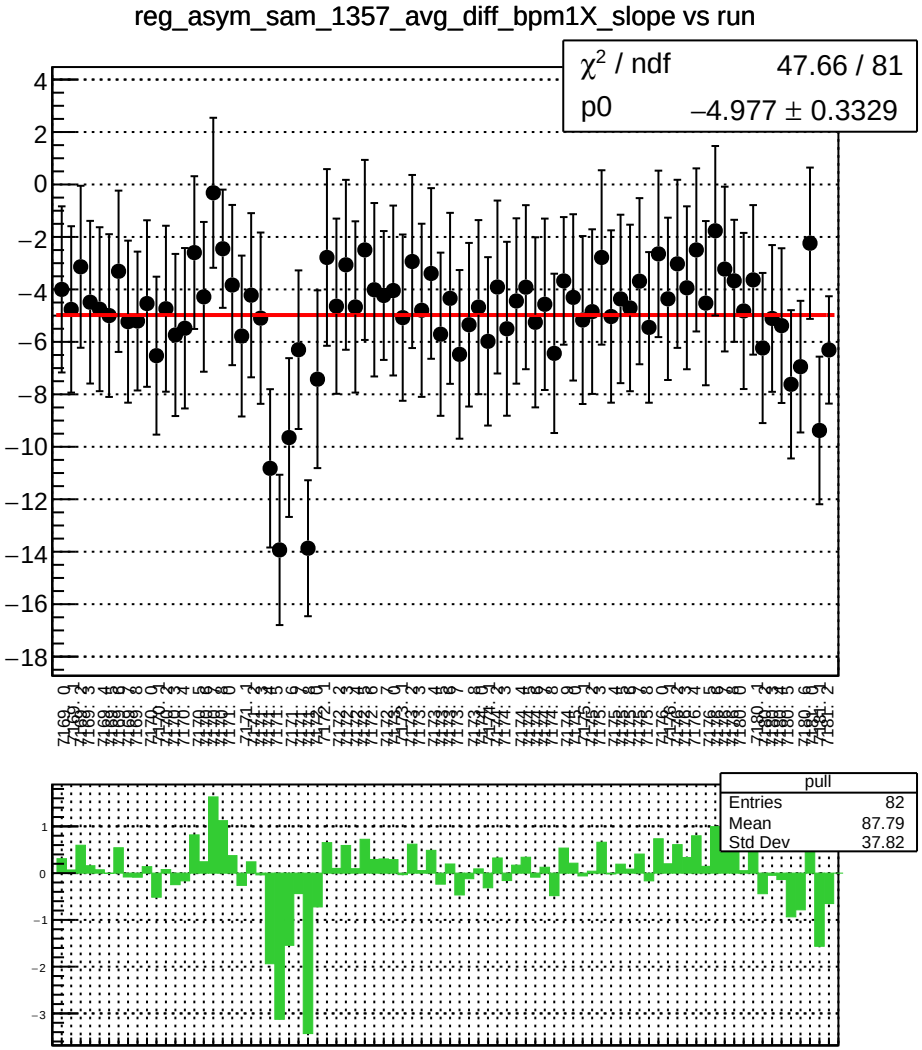


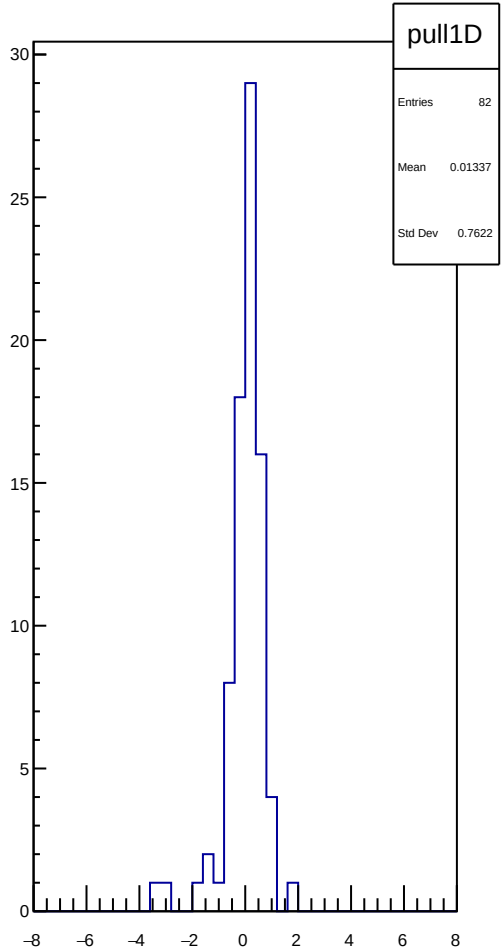

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.37 / 81
p0 −7.202 ± 0.1207
pull
Entries 82
Mean 287.9
Std Dev 255


pull1D
Entries 82
Mean −0.01625
Std Dev 0.7836

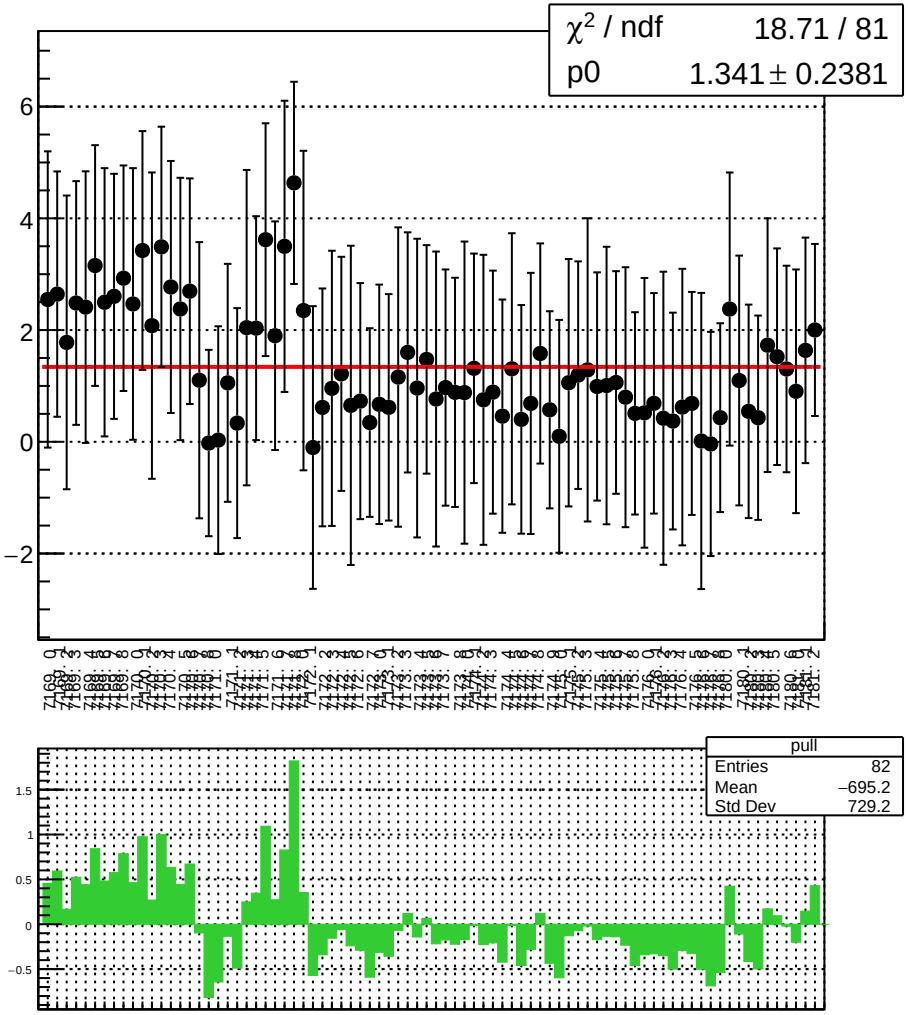

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 152.1 / 81
p0 14.16 ± 0.09713
pull
Entries 82
Mean −351.7
Std Dev 389.7
pull1D
Entries 82
Mean −0.0447
Std Dev 1.361

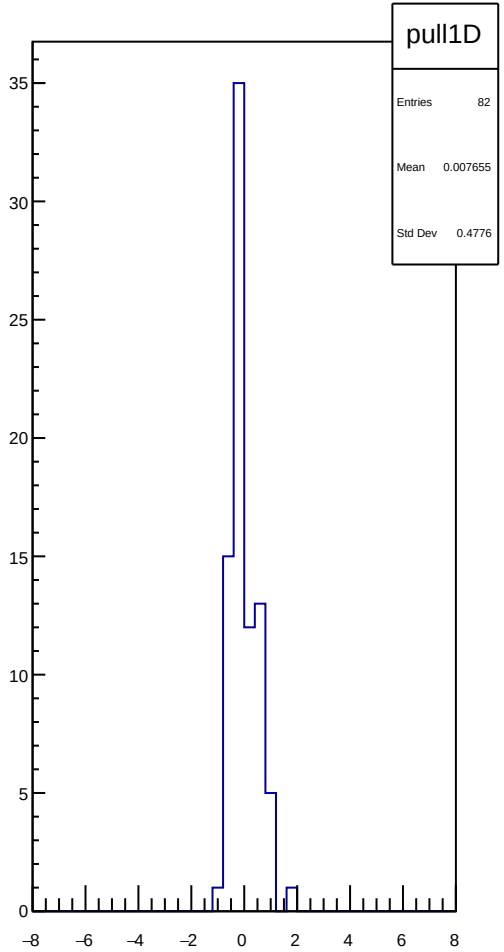

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 108.1 / 81
p0 −0.1696 ± 0.00446
pull
Entries 82
Mean −1592
Std Dev 1631
pull1D
Entries 82
Mean −0.01127
Std Dev 1.148

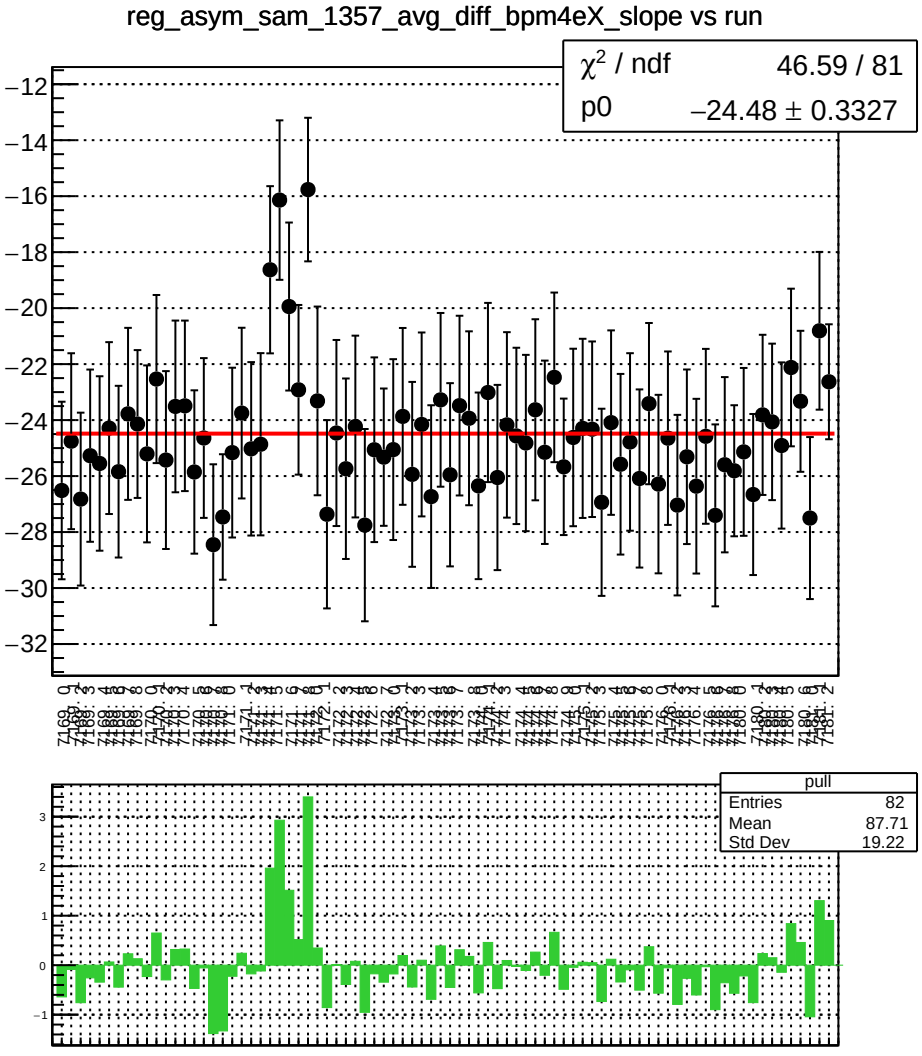

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 47.66 / 81
p0 −4.977 ± 0.3329
pull
Entries 82
Mean 87.79
Std Dev 37.82

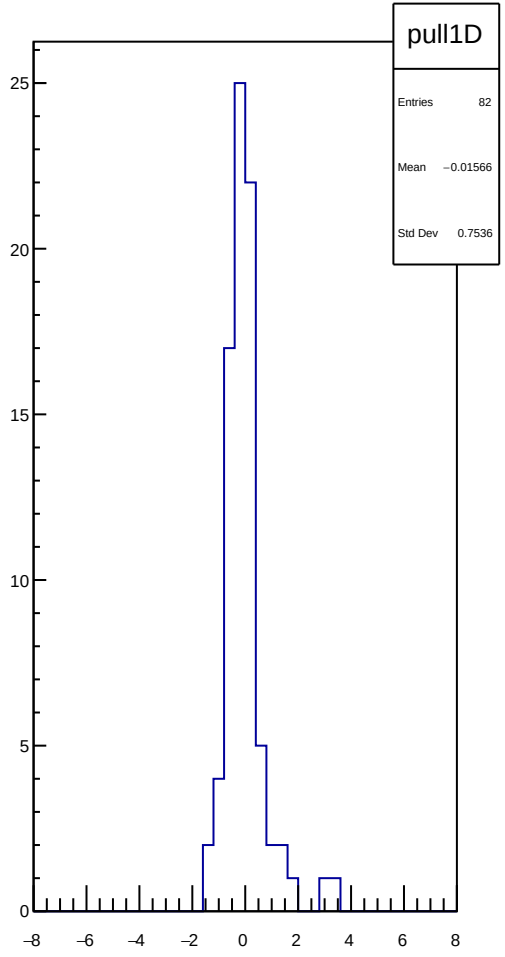

pull1D
Entries 82
Mean 0.01337
Std Dev 0.7622

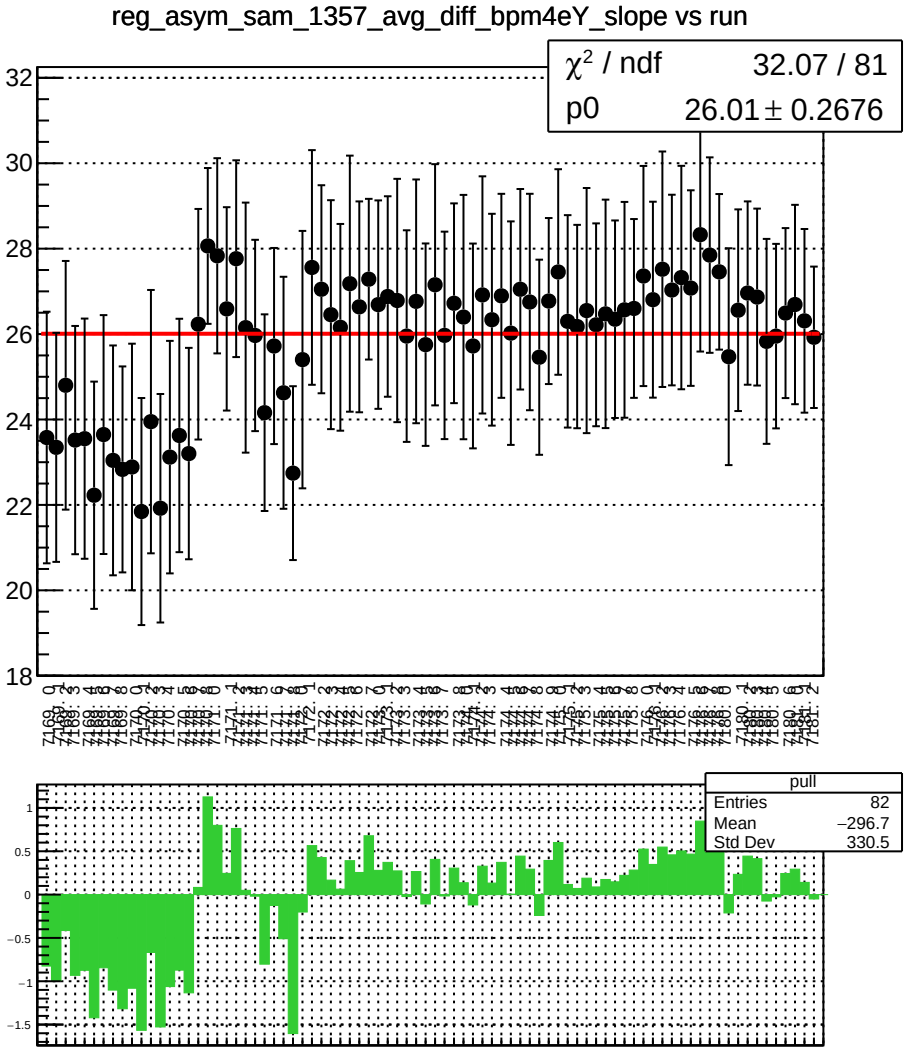
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run

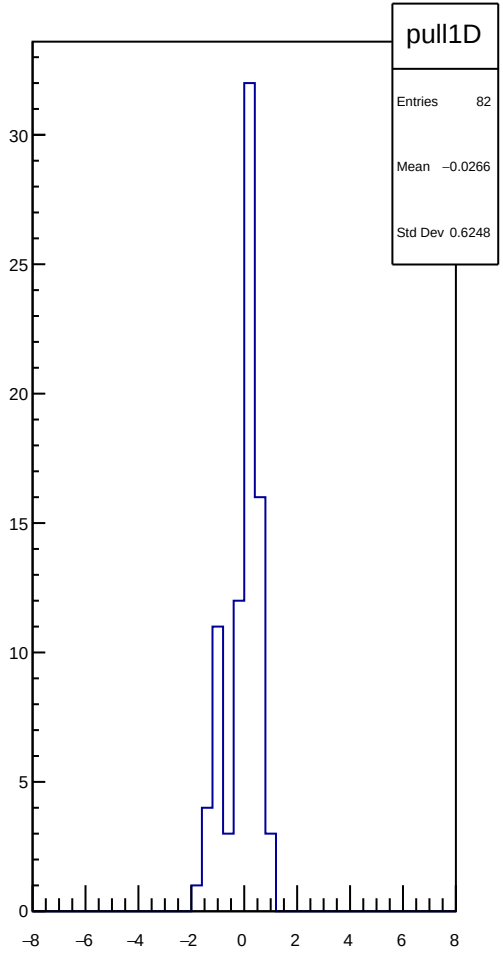


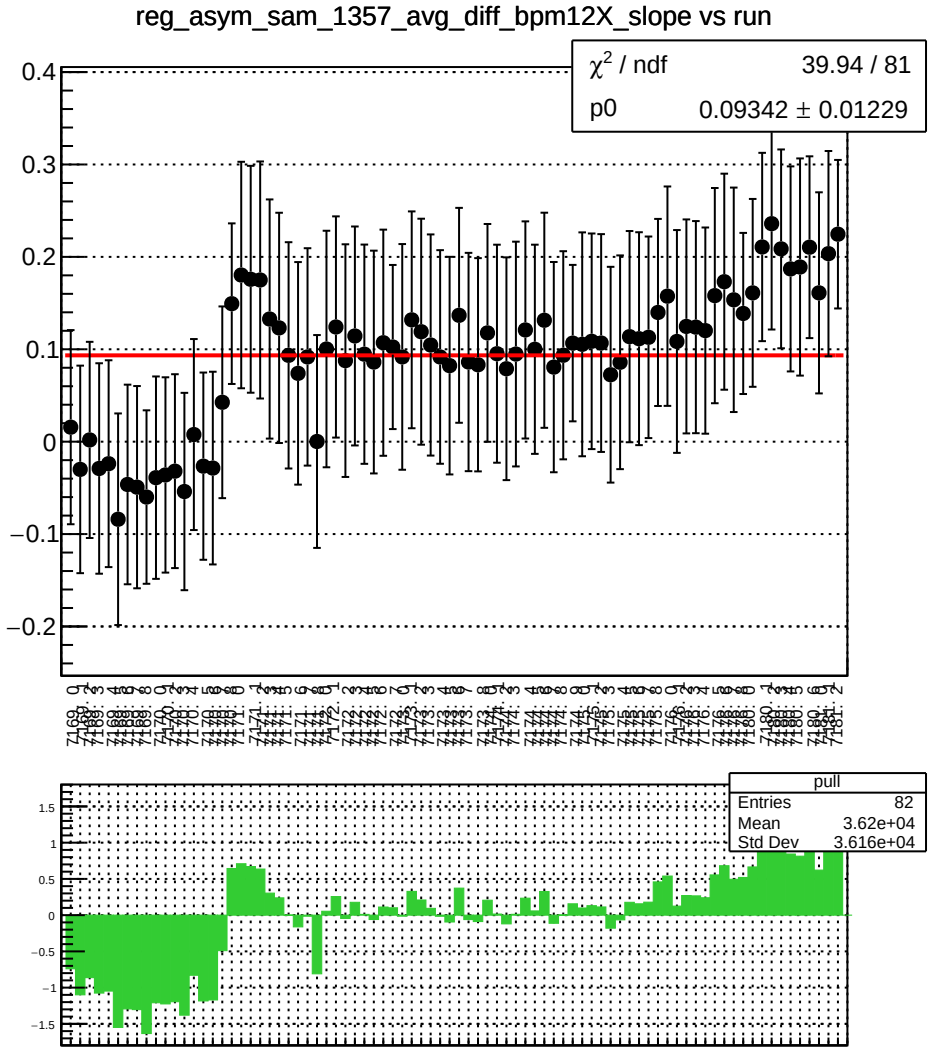


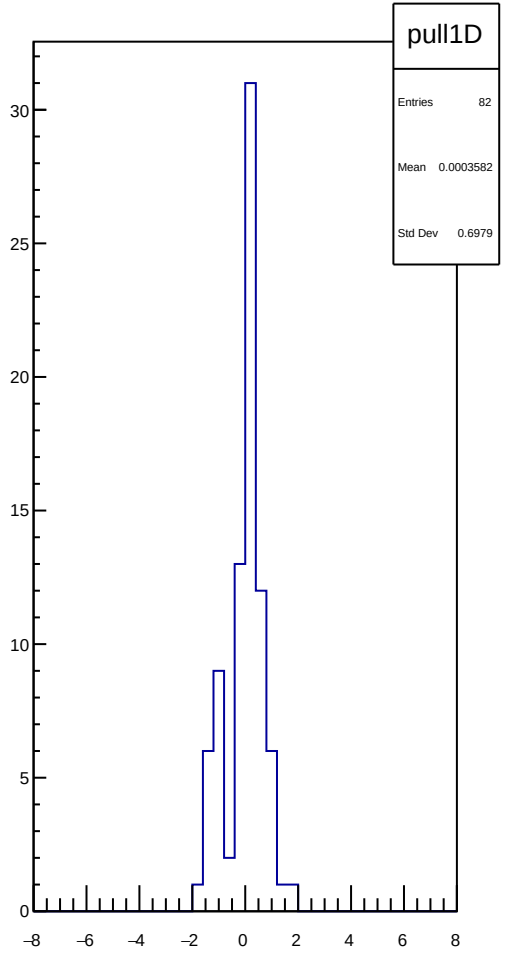

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.59 / 81
p0 −24.48 ± 0.3327
pull
Entries 82
Mean 87.71
Std Dev 19.22

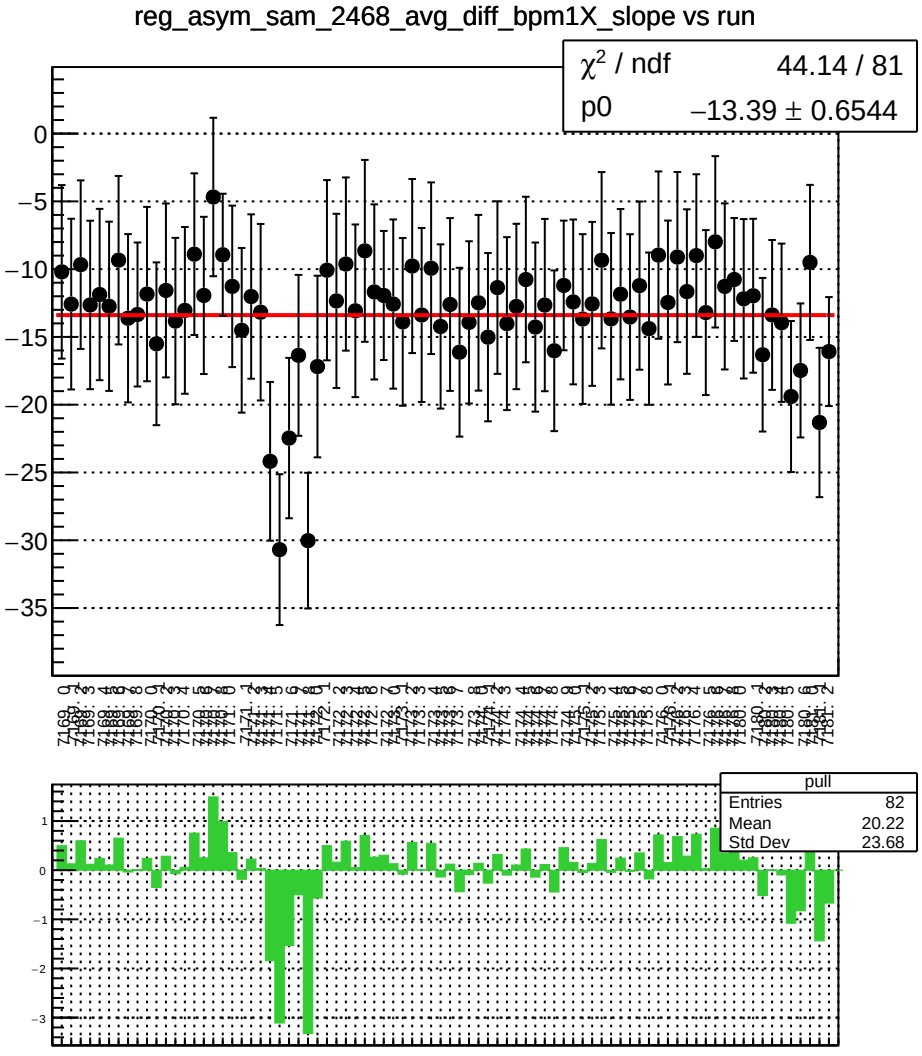

pull1D
Entries 82
Mean −0.01566
Std Dev 0.7536

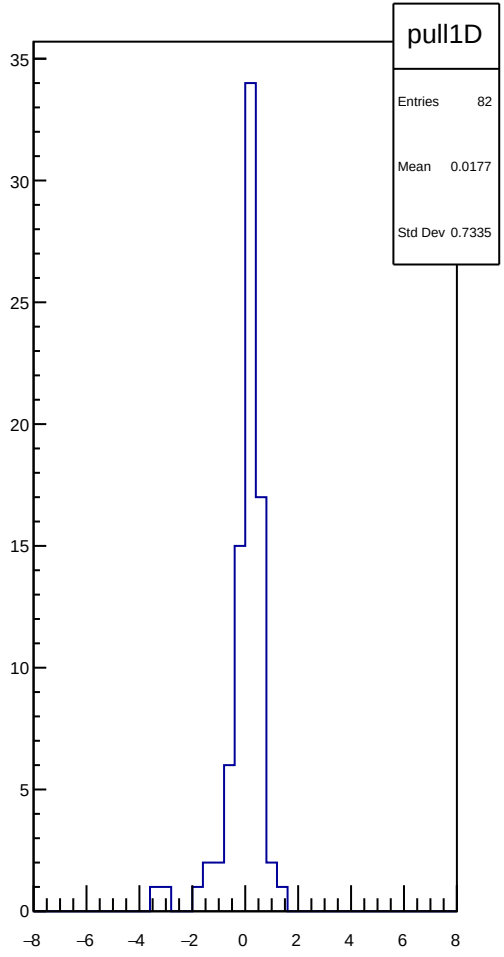

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.07 / 81
p0 26.01 ± 0.2676
pull
Entries 82
Mean −296.7
Std Dev 330.5

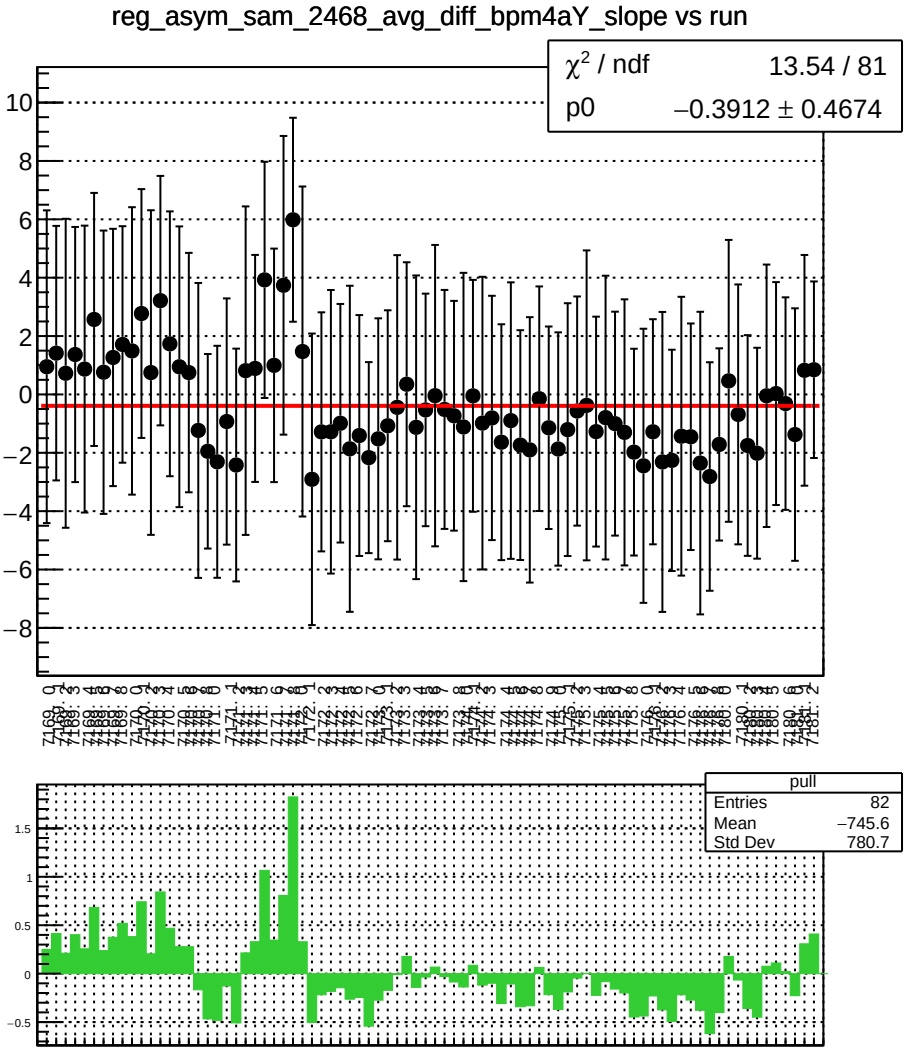

pull1D
Entries 82
Mean −0.0266
Std Dev 0.6248

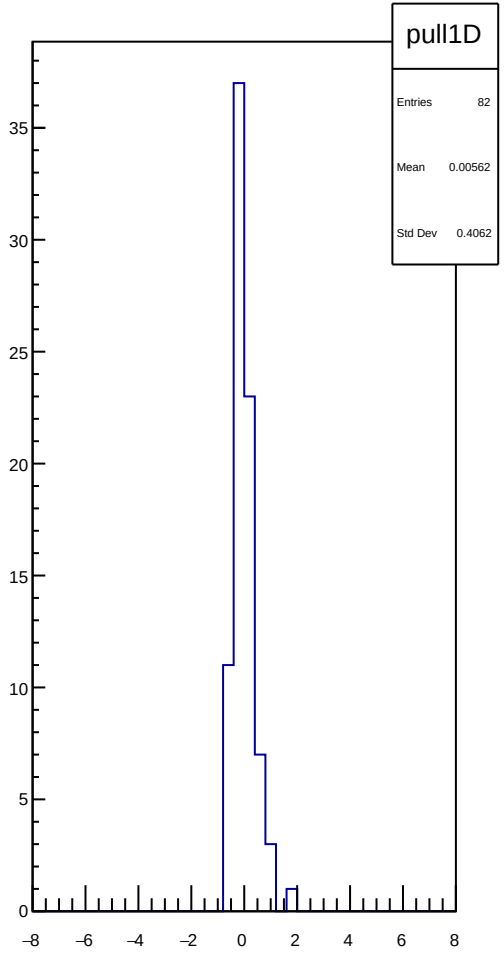

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 39.94 / 81
p0 0.09342 ± 0.01229
pull
Entries 82
Mean 3.62e+04
Std Dev 3.616e+04

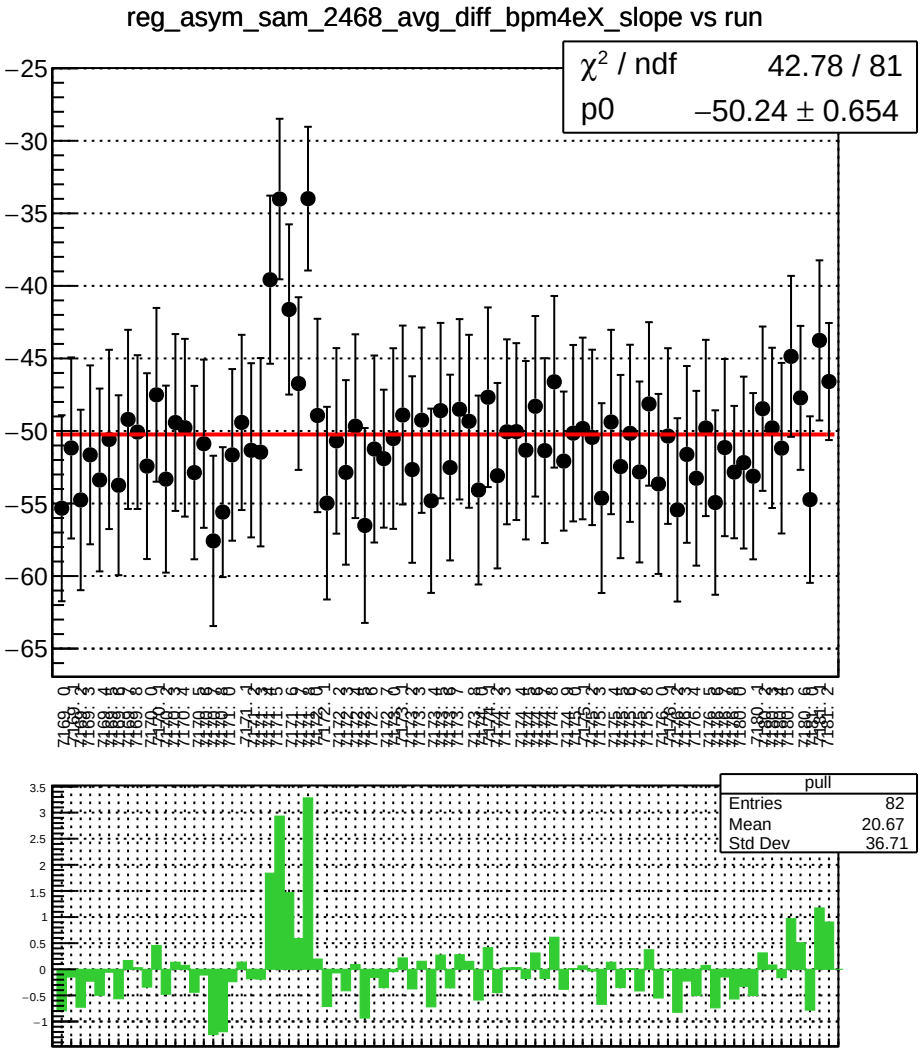

pull1D
Entries 82
Mean 0.0003582
Std Dev 0.6979

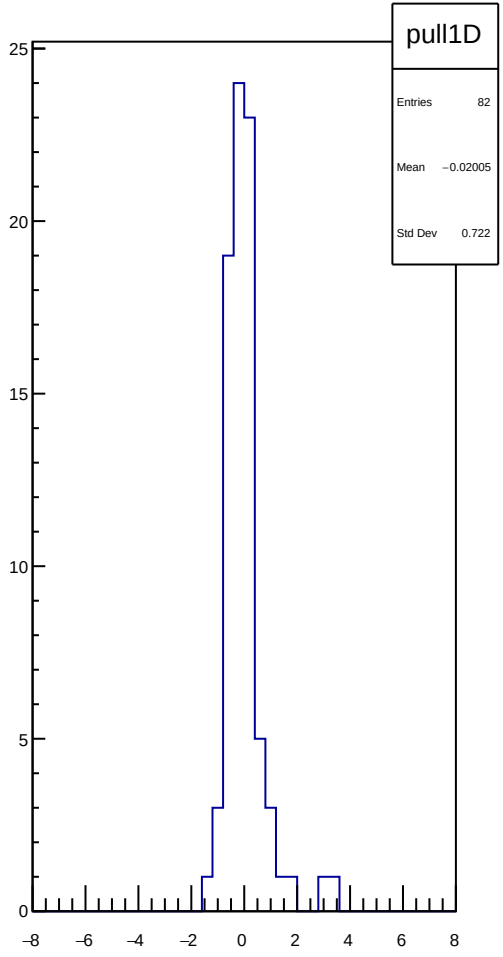

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 44.14 / 81
p0 −13.39 ± 0.6544
pull
Entries 82
Mean 20.22
Std Dev 23.68

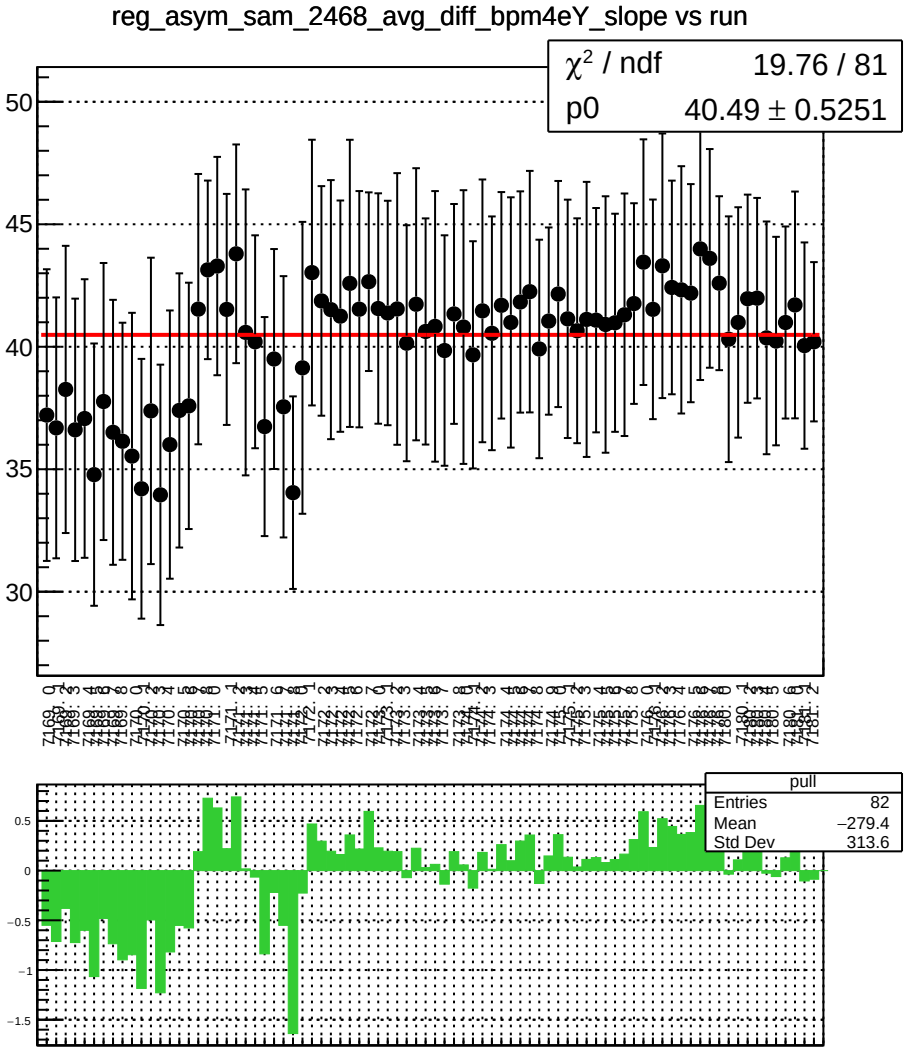

pull1D
Entries 82
Mean 0.0177
Std Dev 0.7335

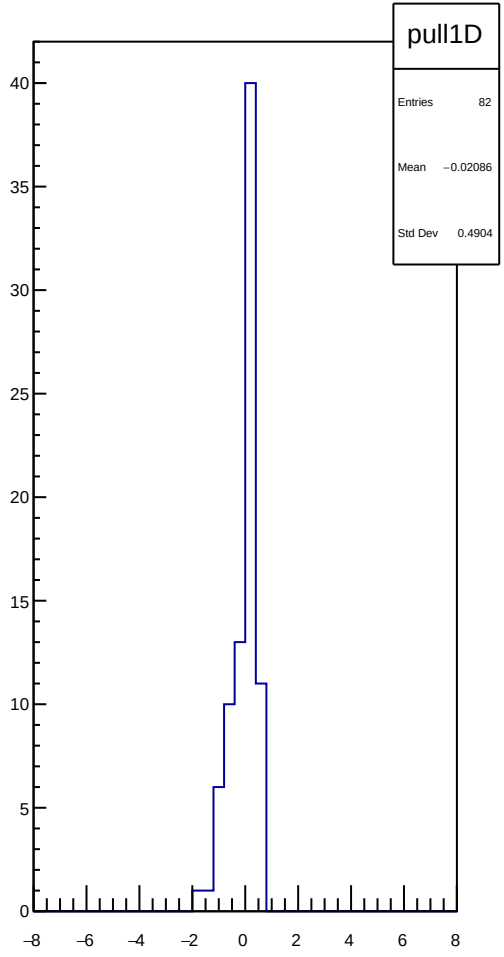

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.54 / 81
p0 −0.3912 ± 0.4674
pull
Entries 82
Mean −745.6
Std Dev 780.7

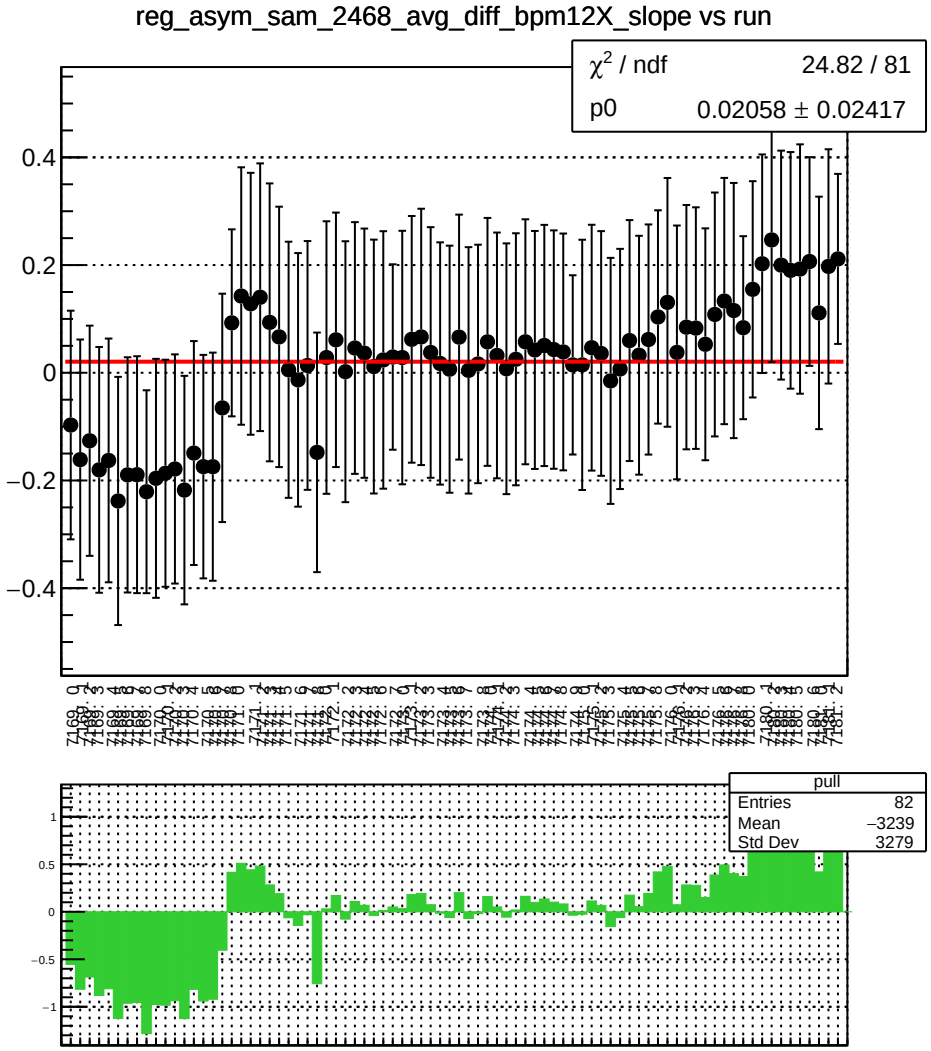

pull1D
Entries 82
Mean 0.00562
Std Dev 0.4062

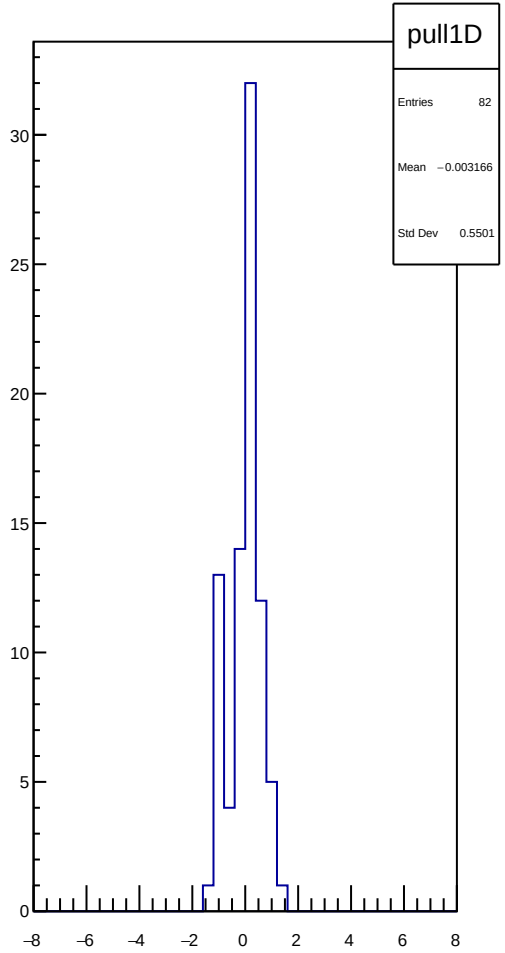

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.78 / 81
p0 −50.24 ± 0.654
pull
Entries 82
Mean 20.67
Std Dev 36.71

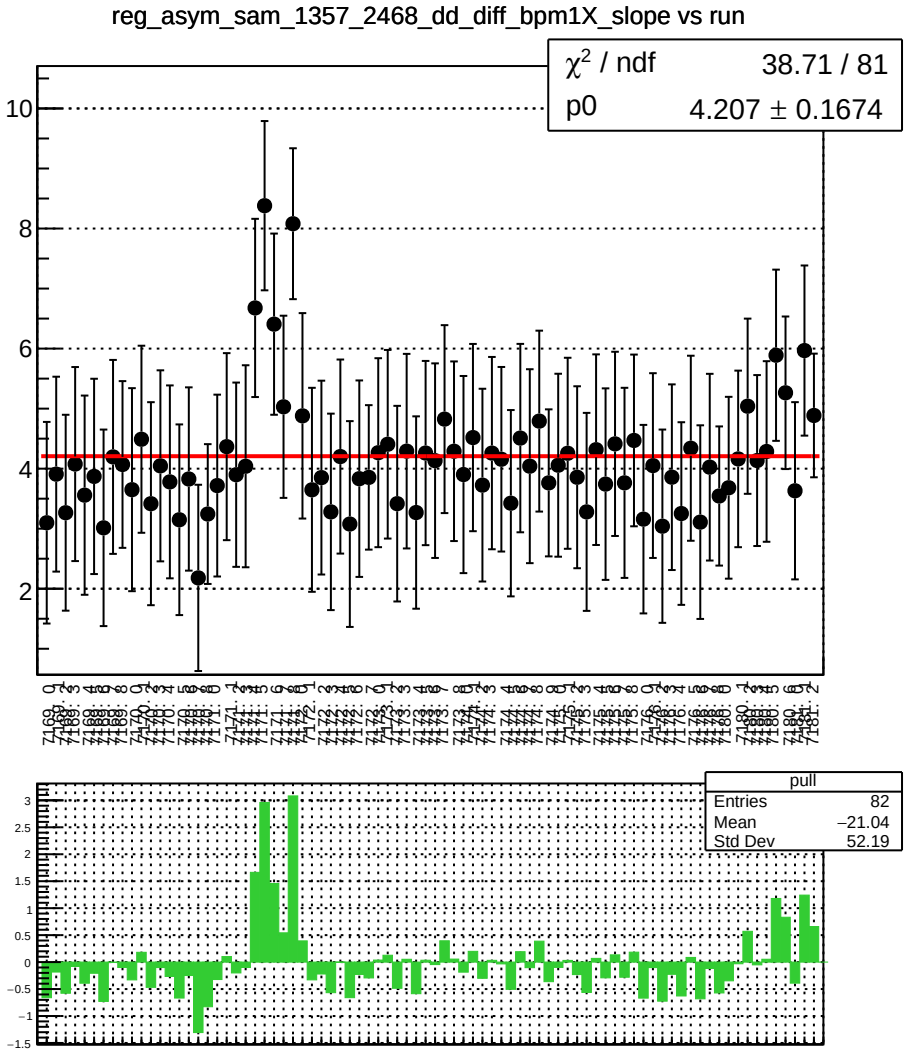

pull1D
Entries 82
Mean −0.02005
Std Dev 0.722

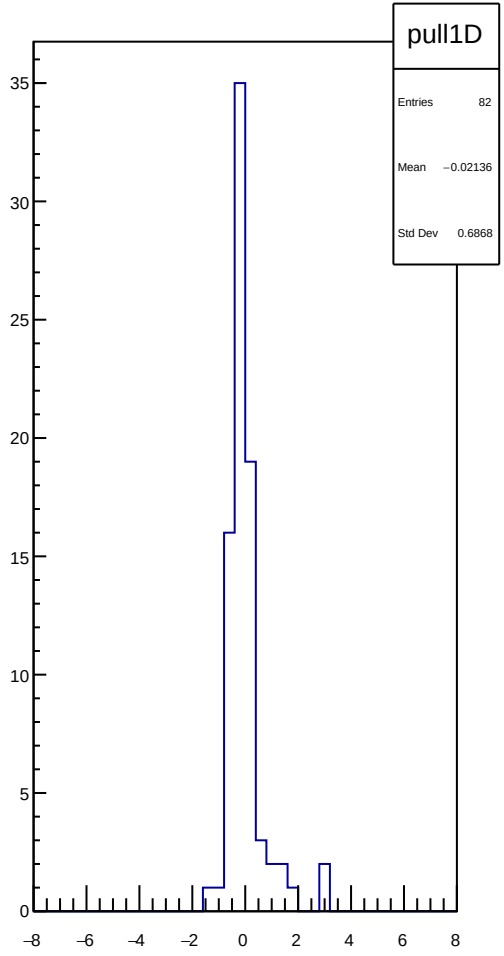

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.76 / 81
p0 40.49 ± 0.5251
pull
Entries 82
Mean −279.4
Std Dev 313.6

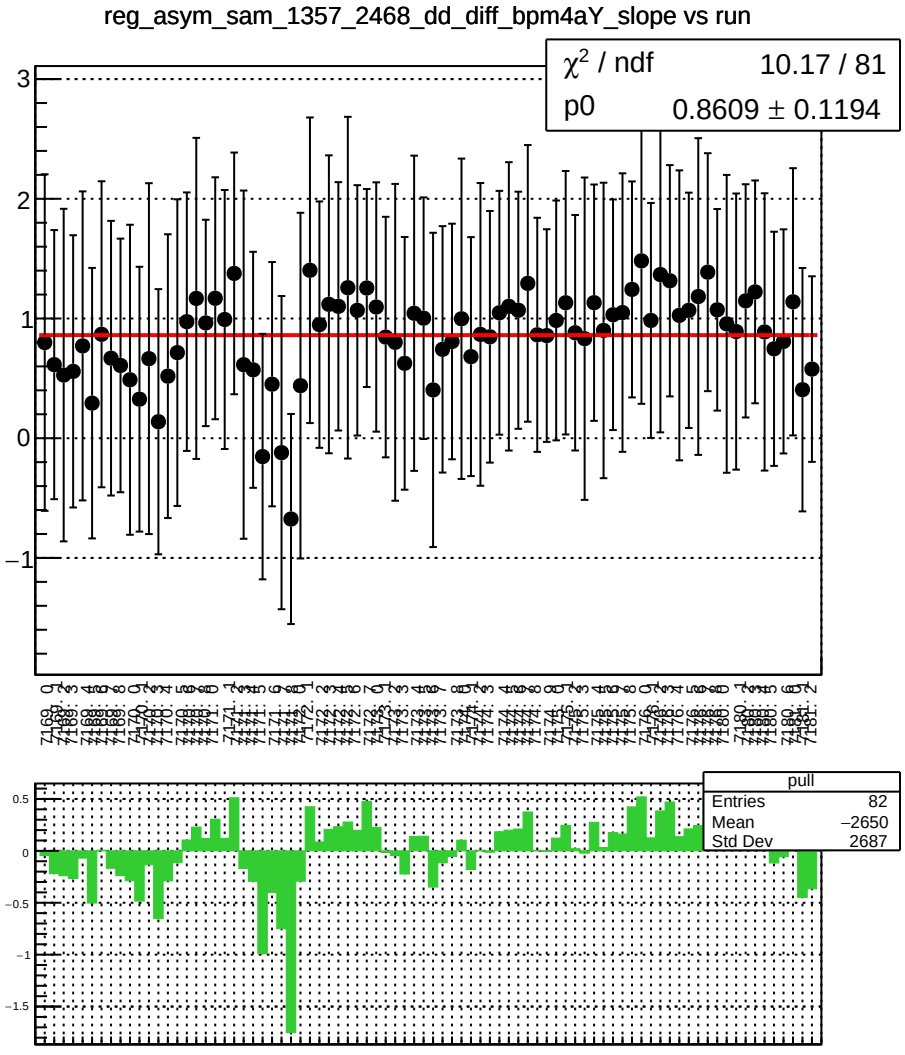

pull1D
Entries 82
Mean −0.02086
Std Dev 0.4904

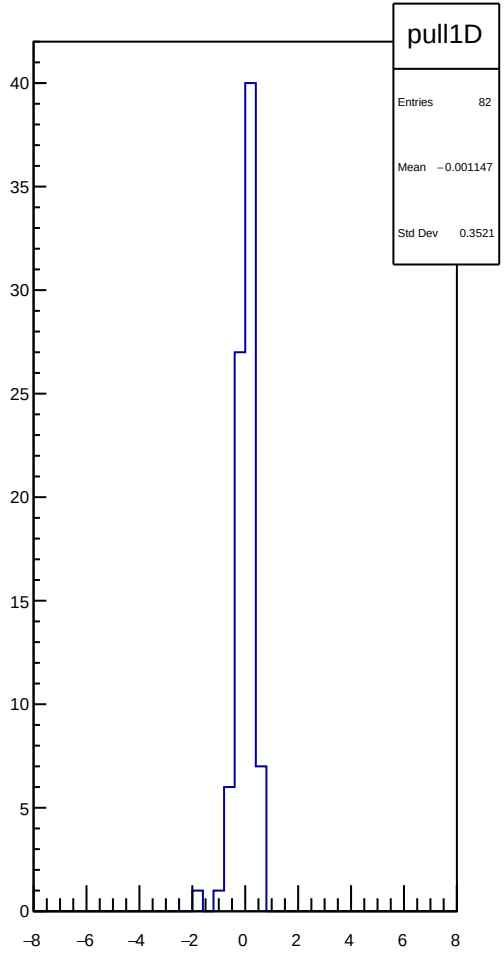

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 24.82 / 81
p0 0.02058 ± 0.02417
pull
Entries 82
Mean −3239
Std Dev 3279

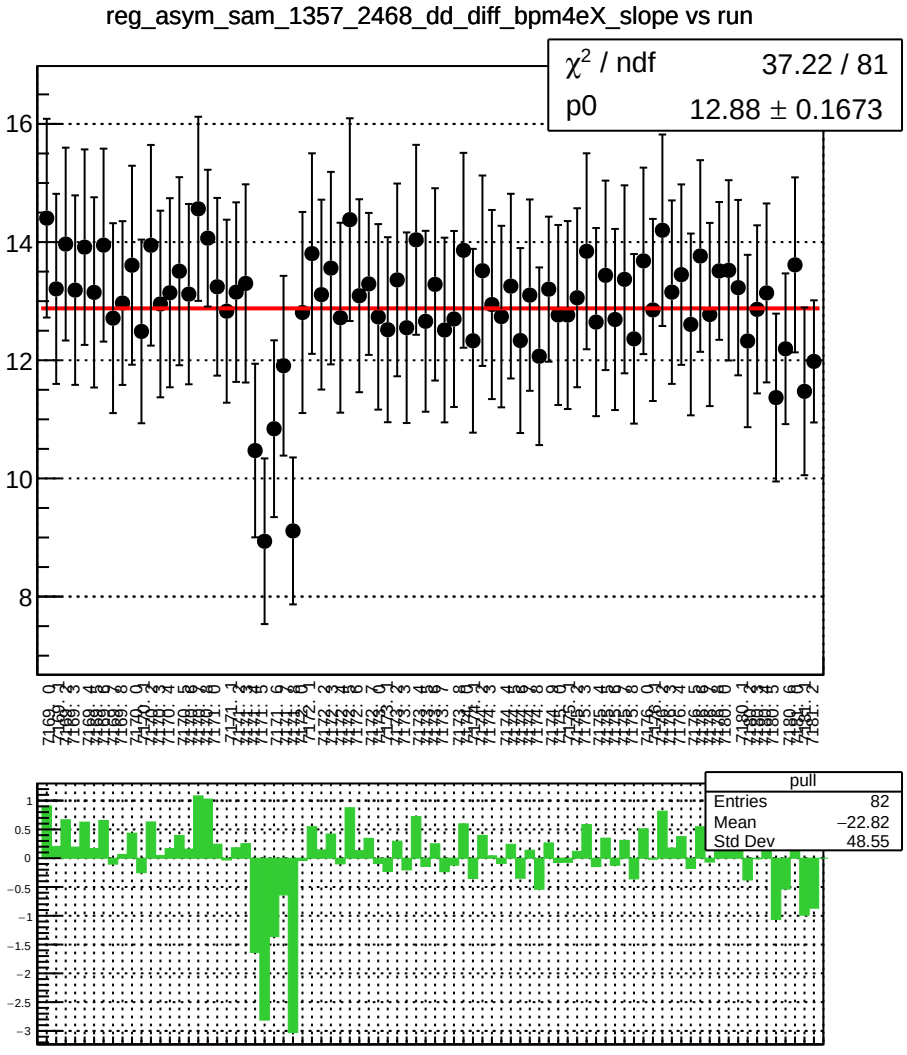

pull1D
Entries 82
Mean −0.003166
Std Dev 0.5501

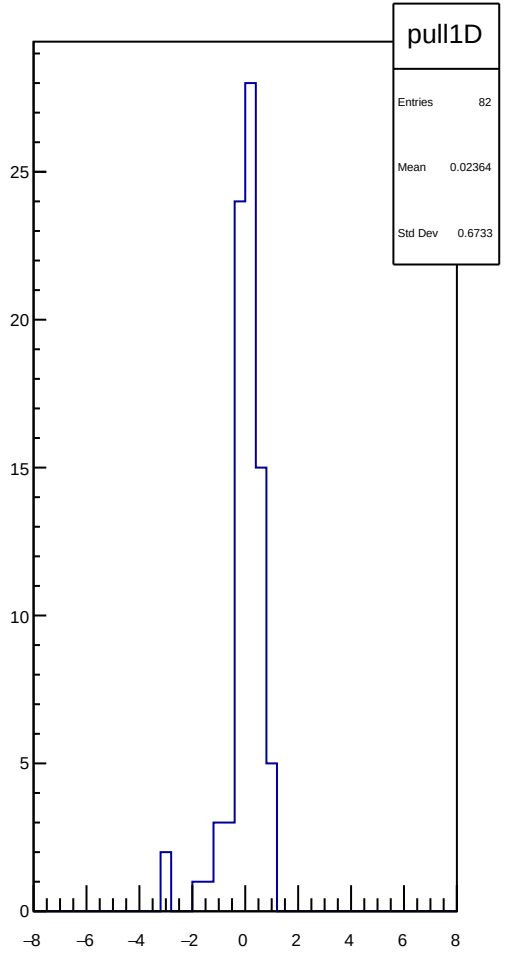

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 38.71 / 81
p0 4.207 ± 0.1674
pull
Entries 82
Mean −21.04
Std Dev 52.19


pull1D
Entries 82
Mean −0.02136
Std Dev 0.6868

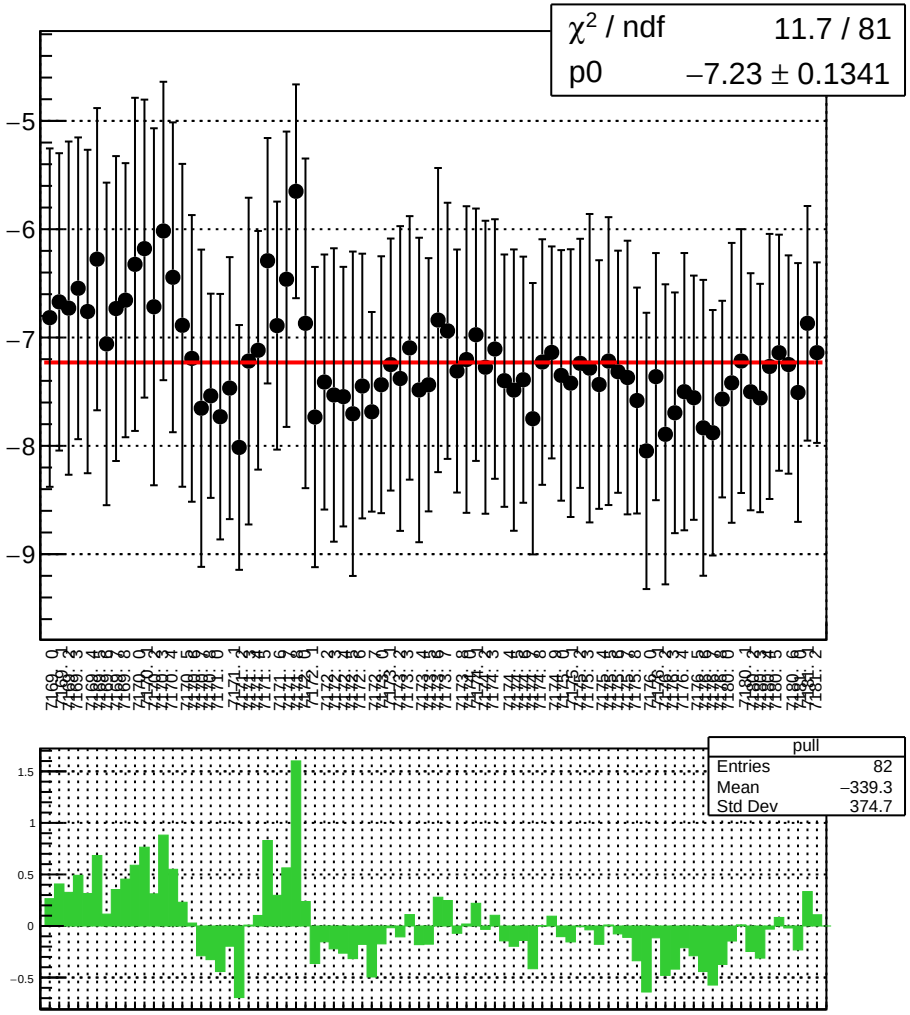

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.17 / 81
p0 0.8609 ± 0.1194
pull
Entries 82
Mean −2650
Std Dev 2687

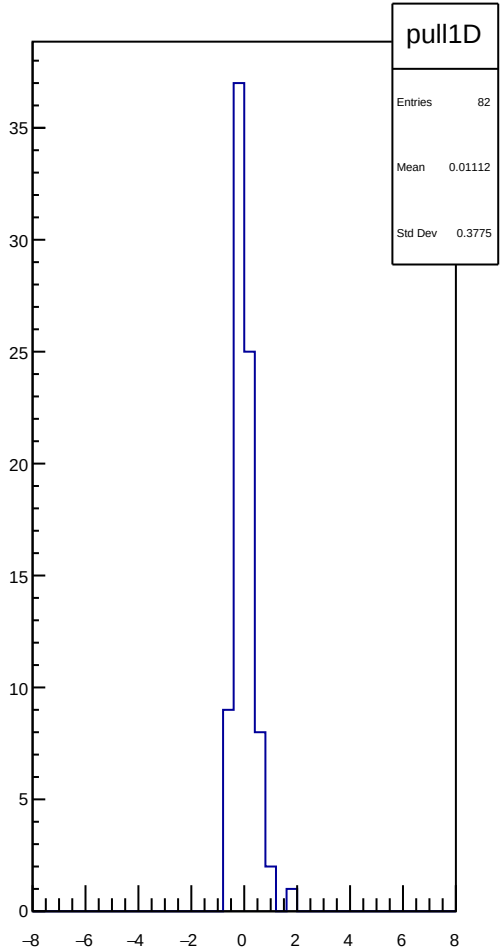

pull1D
Entries 82
Mean −0.001147
Std Dev 0.3521

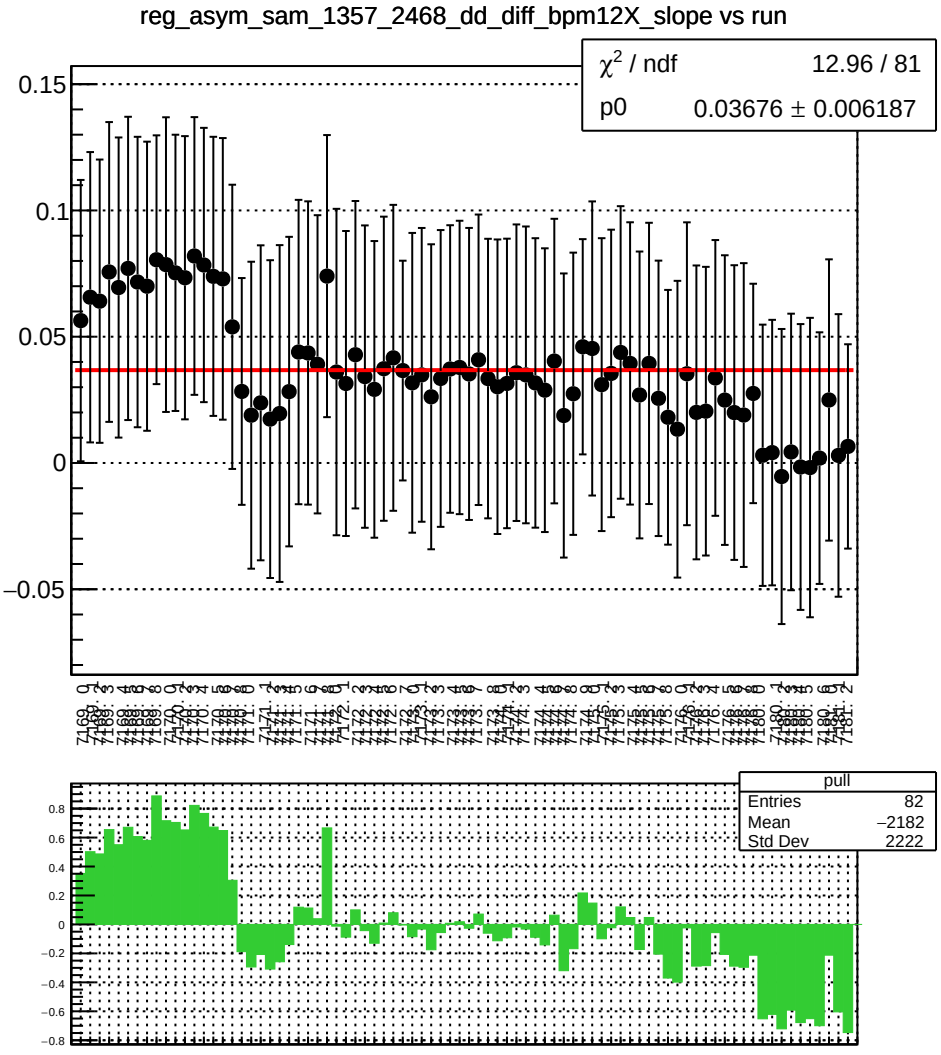

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.22 / 81
p0 12.88 ± 0.1673
pull
Entries 82
Mean −22.82
Std Dev 48.55

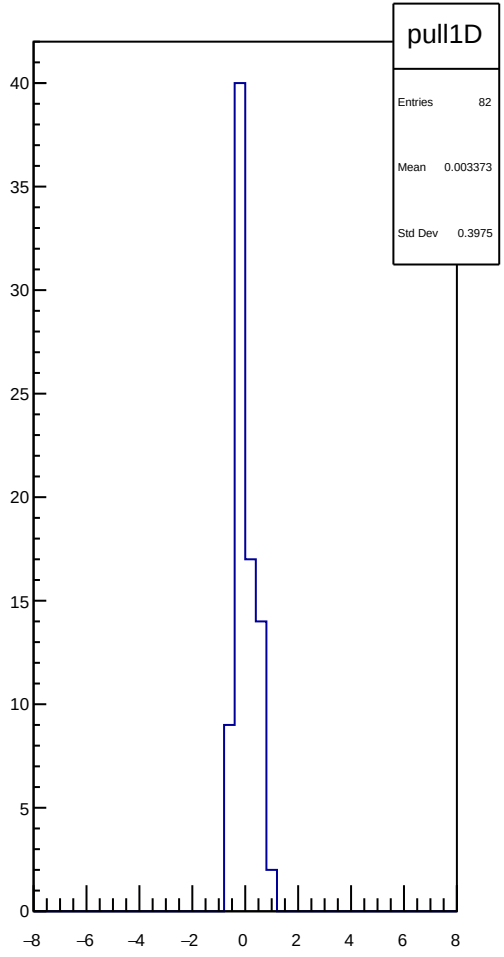

pull1D
Entries 82
Mean 0.02364
Std Dev 0.6733

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

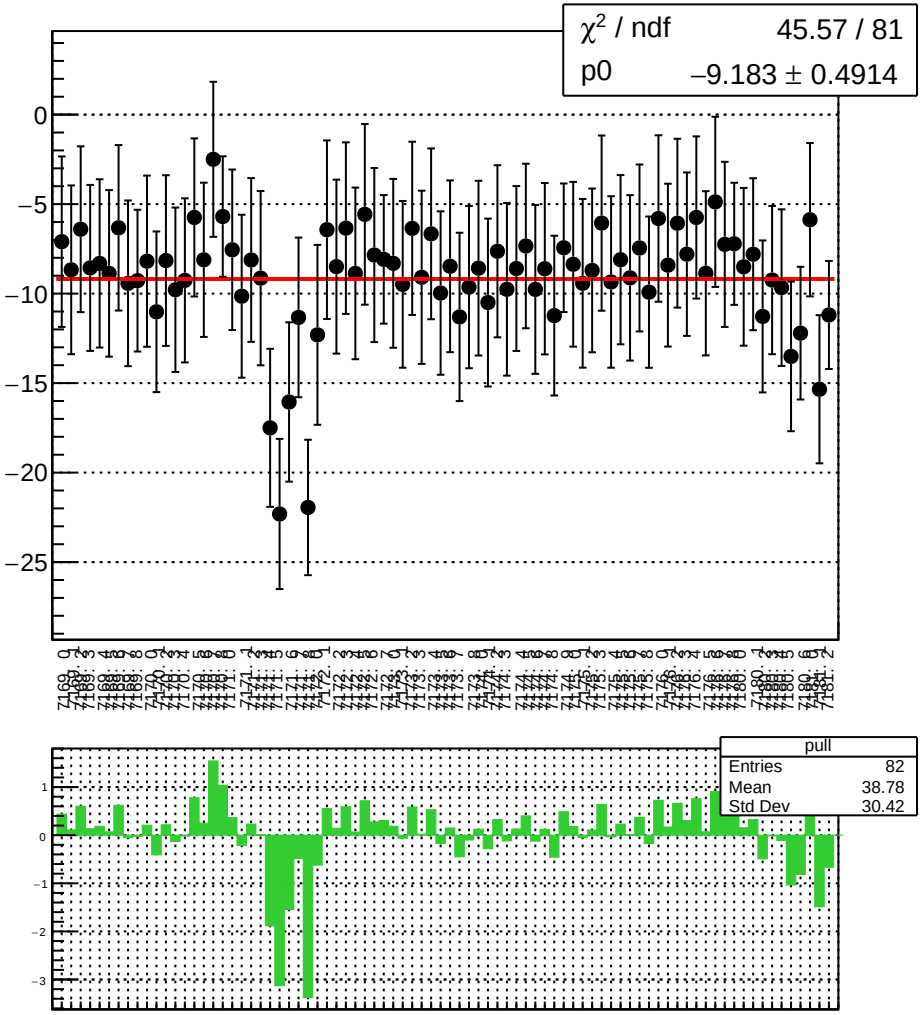


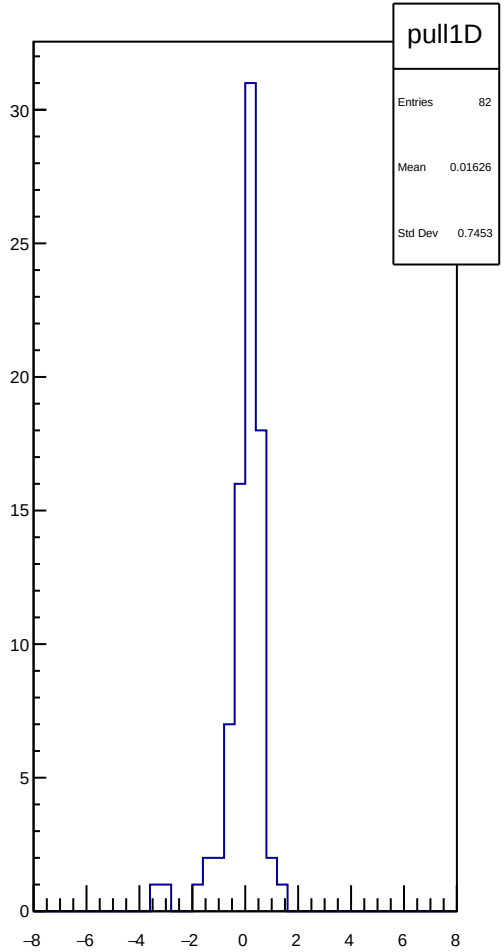


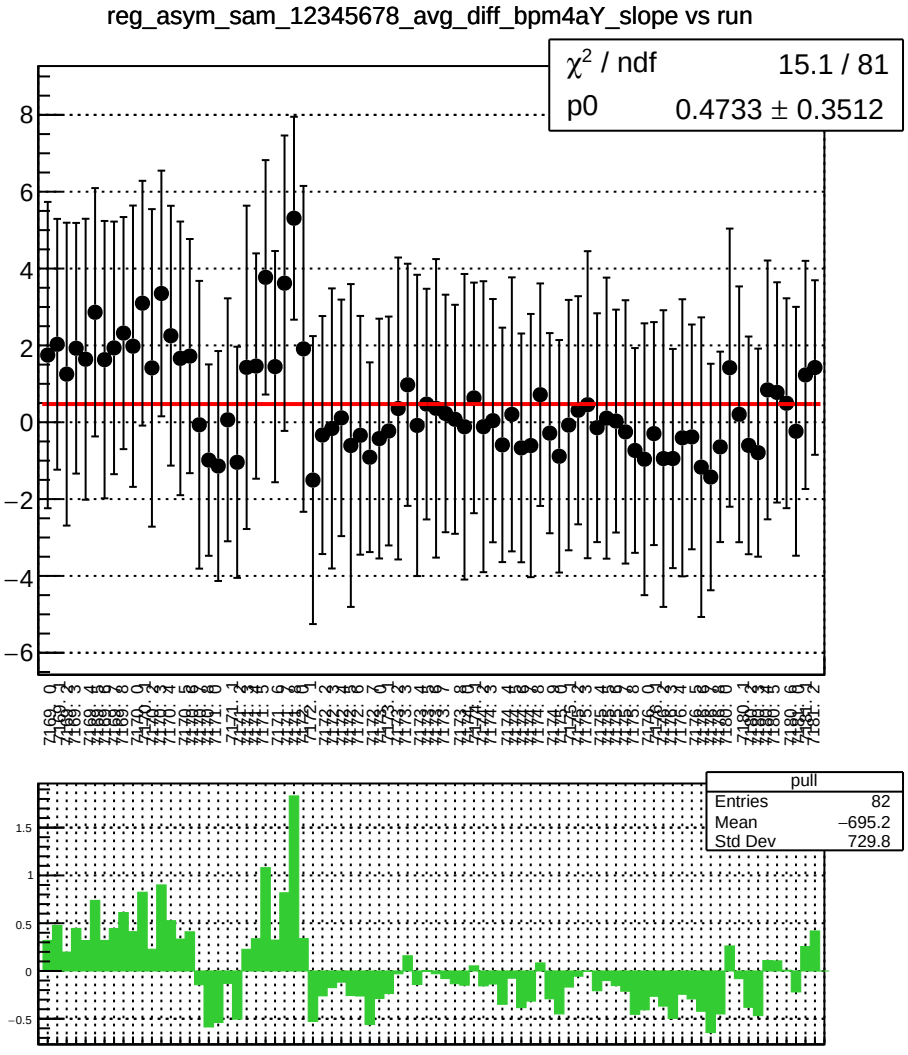

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 12.96 / 81
p0 0.03676 ± 0.006187
pull
Entries 82
Mean −2182
Std Dev 2222

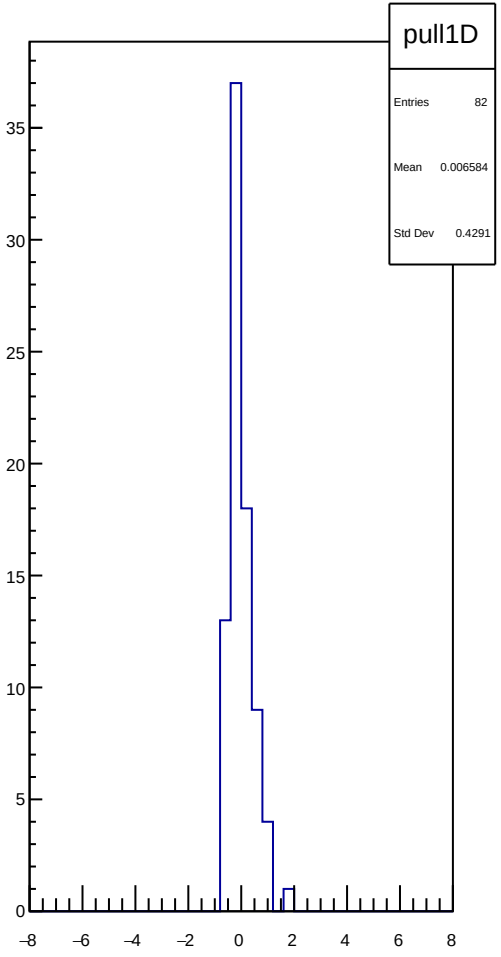

pull1D
Entries 82
Mean 0.003373
Std Dev 0.3975

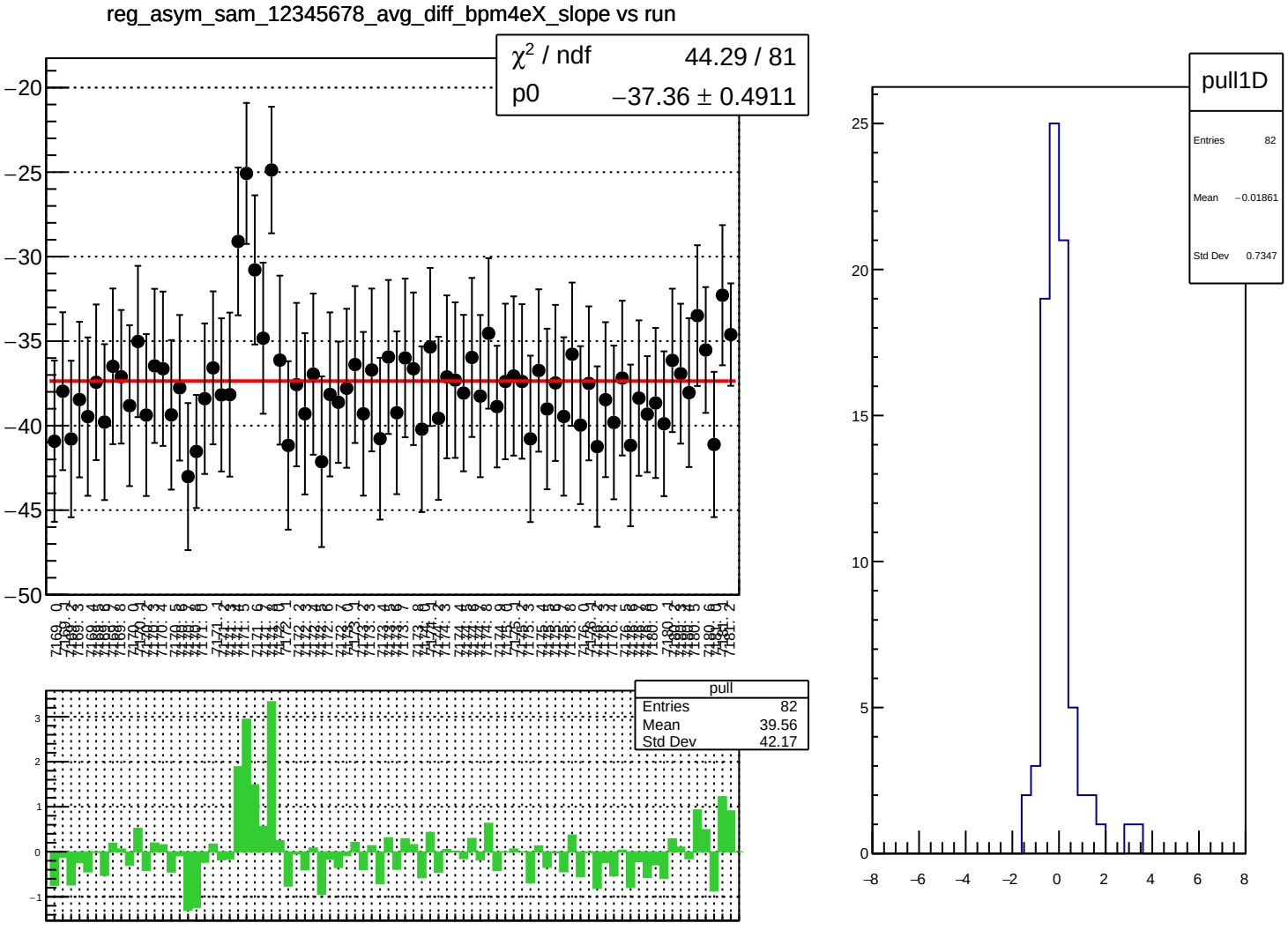
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run



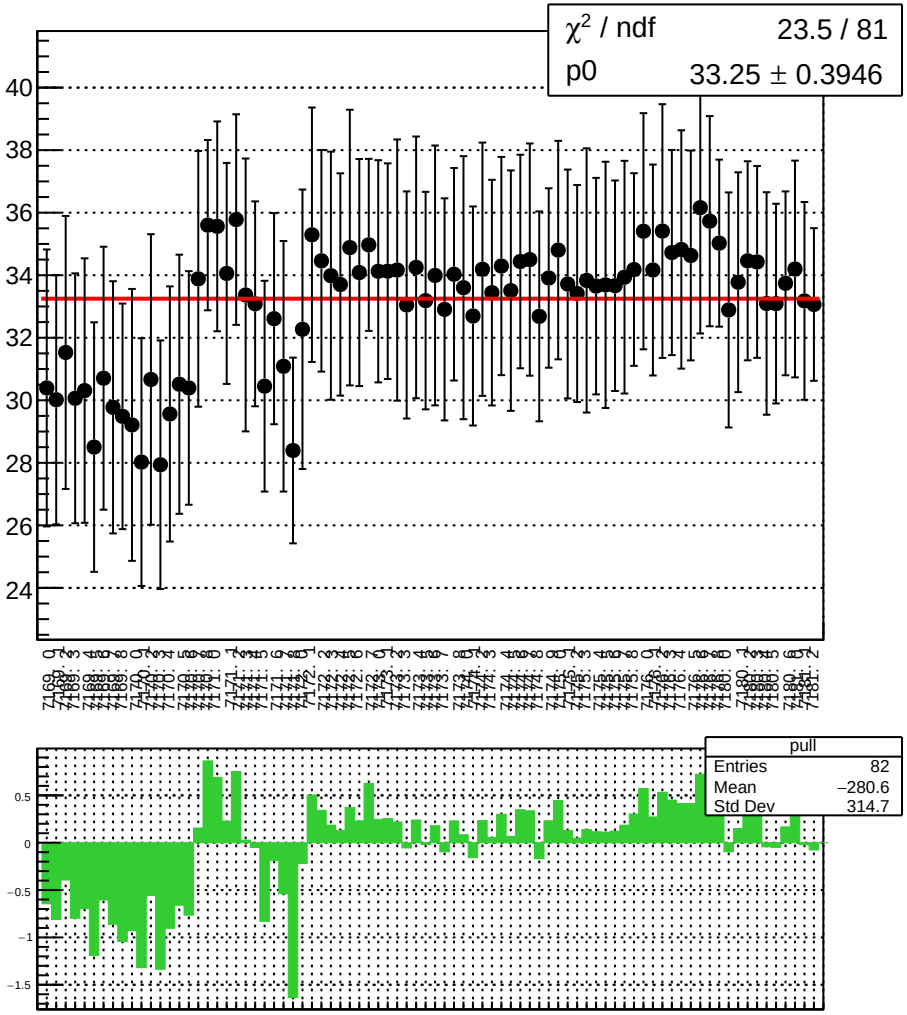


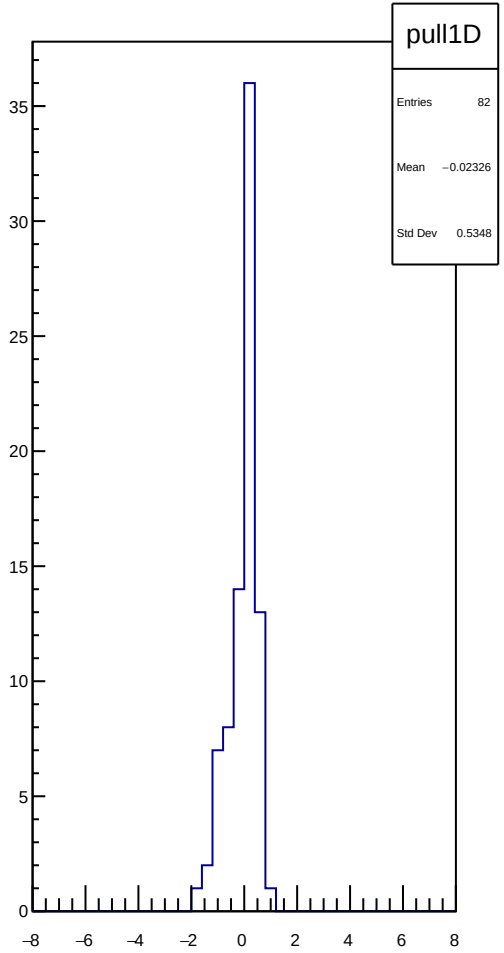

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.1 / 81
p0 0.4733 ± 0.3512
pull
Entries 82
Mean −695.2
Std Dev 729.8


pull1D
Entries 82
Mean 0.006584
Std Dev 0.4291

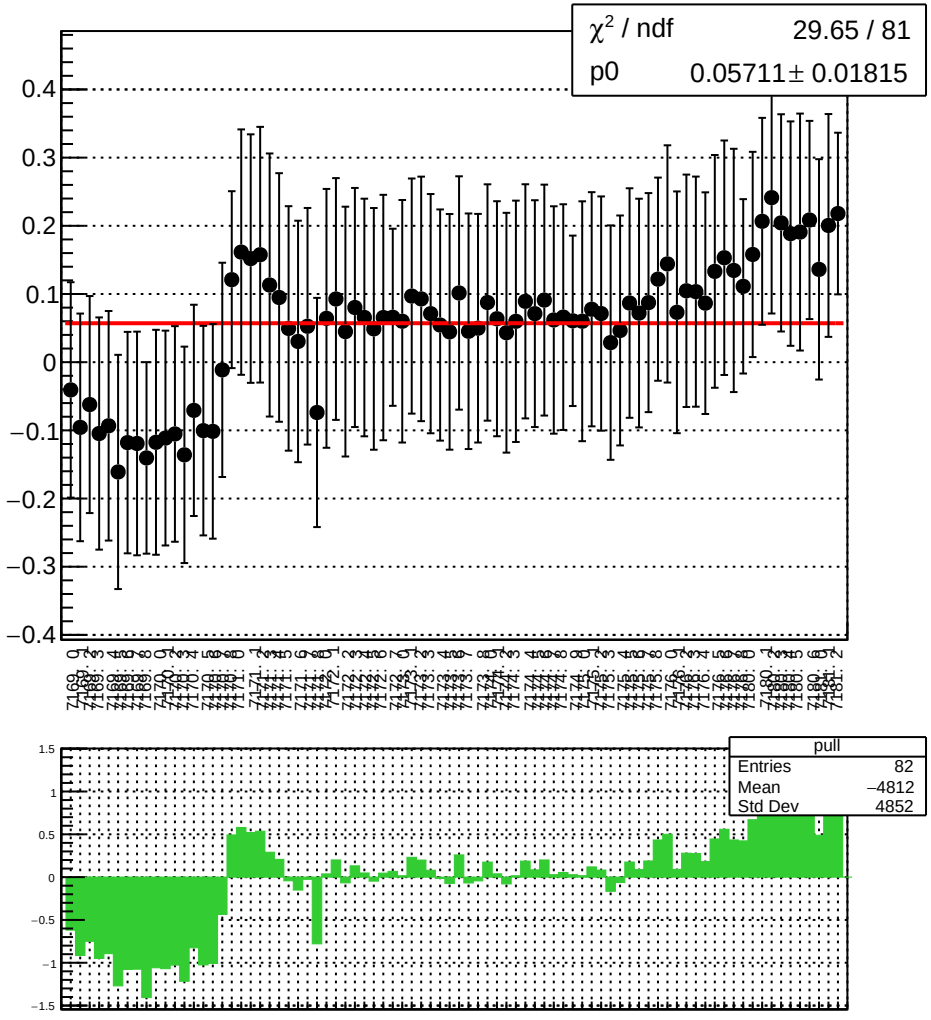

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.29 / 81
p0 −37.36 ± 0.4911
pull
Entries 82
Mean 39.56
Std Dev 42.17
pull1D
Entries 82
Mean −0.01861
Std Dev 0.7347

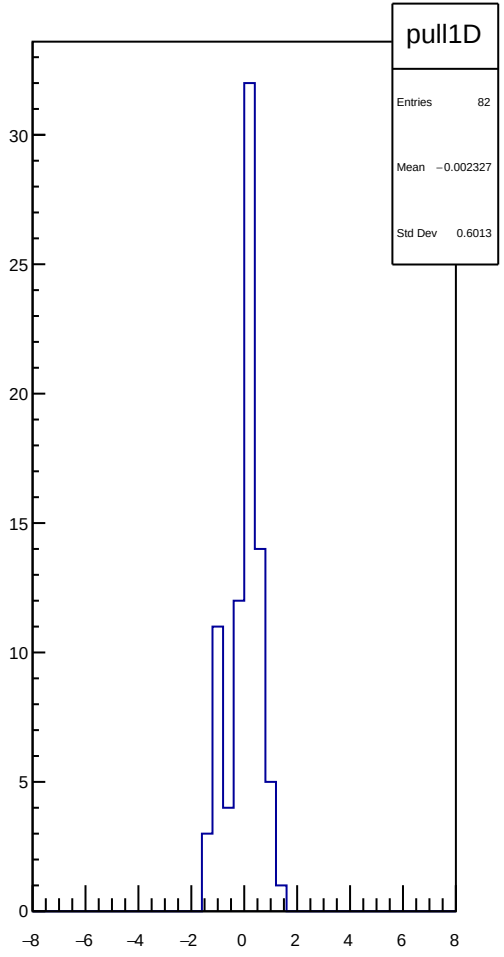
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

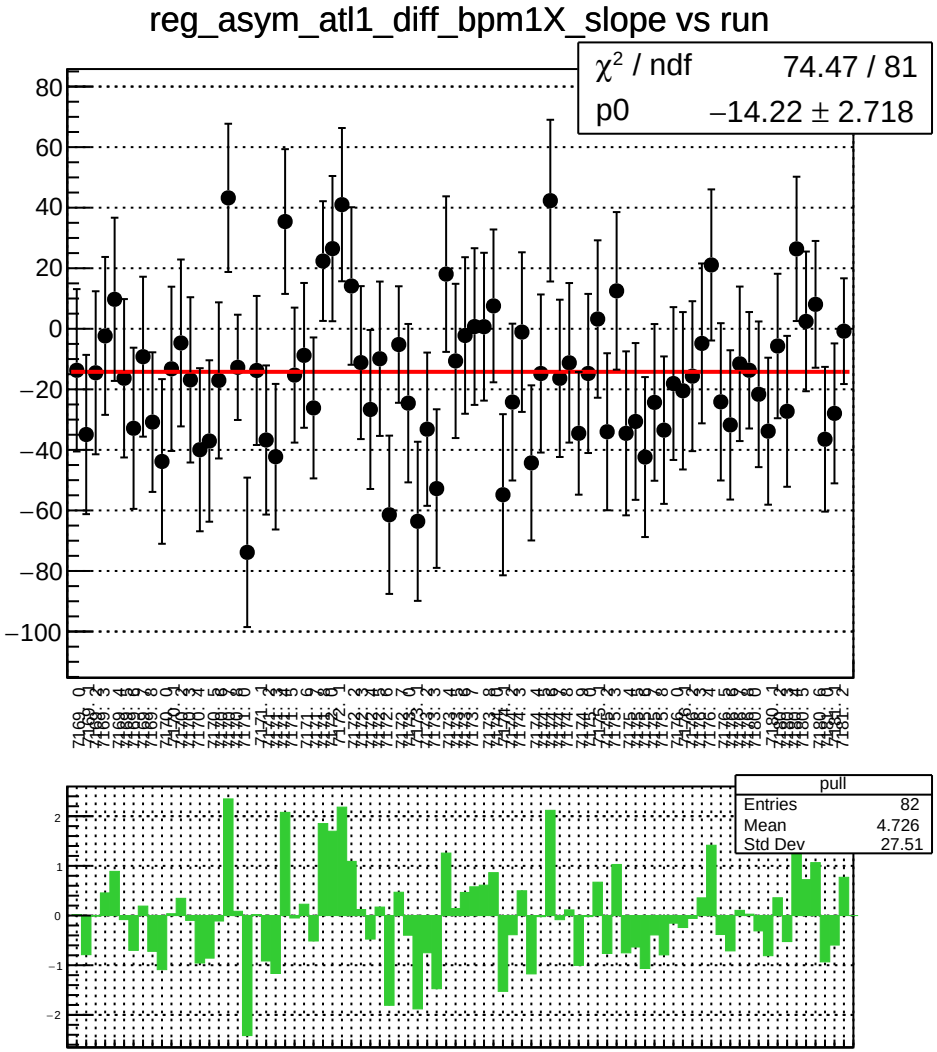


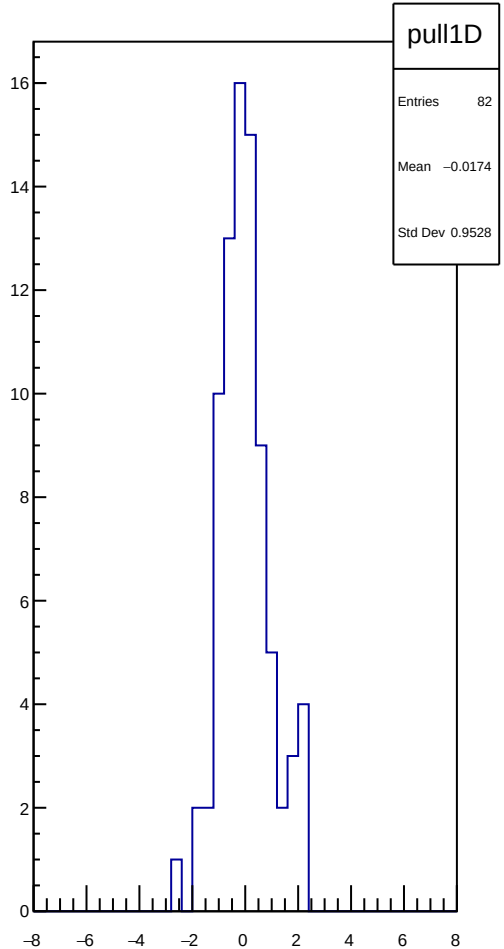


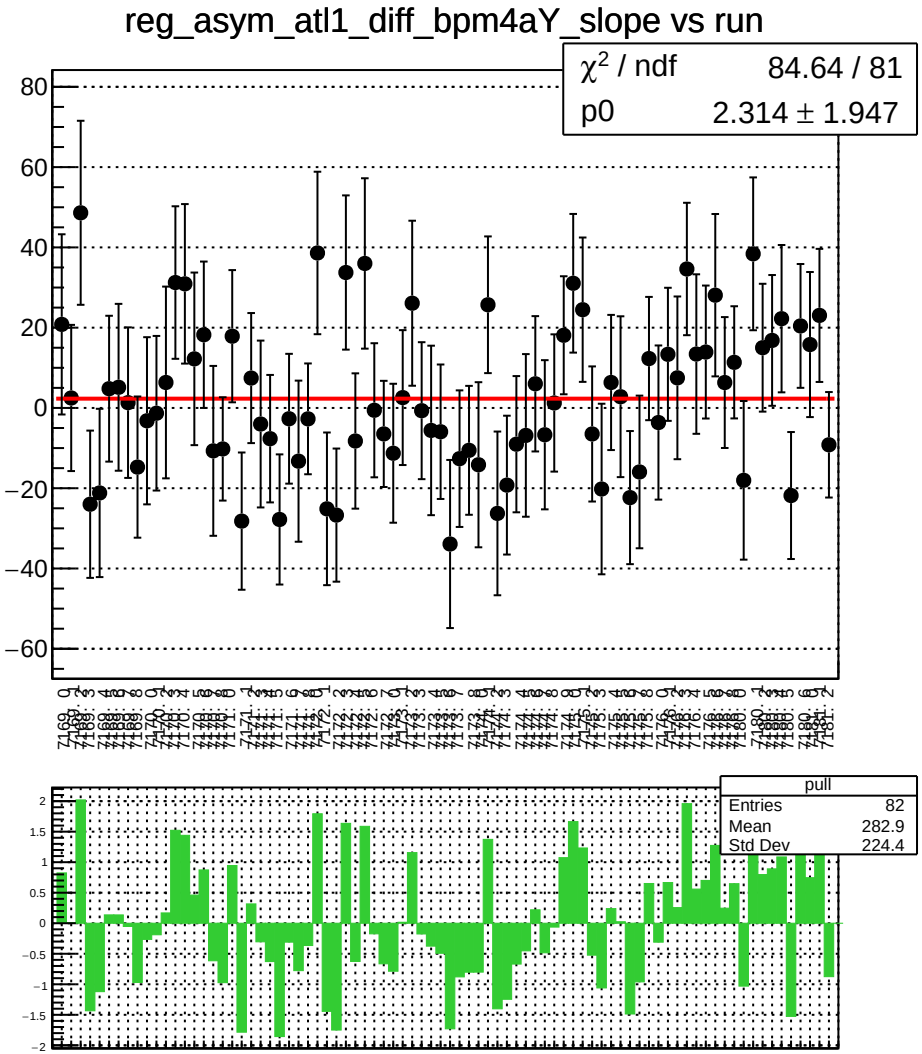
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

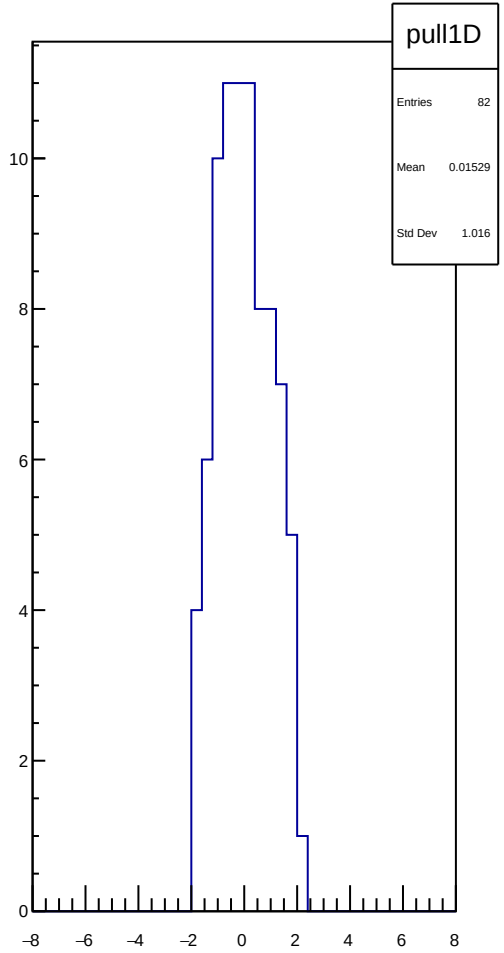


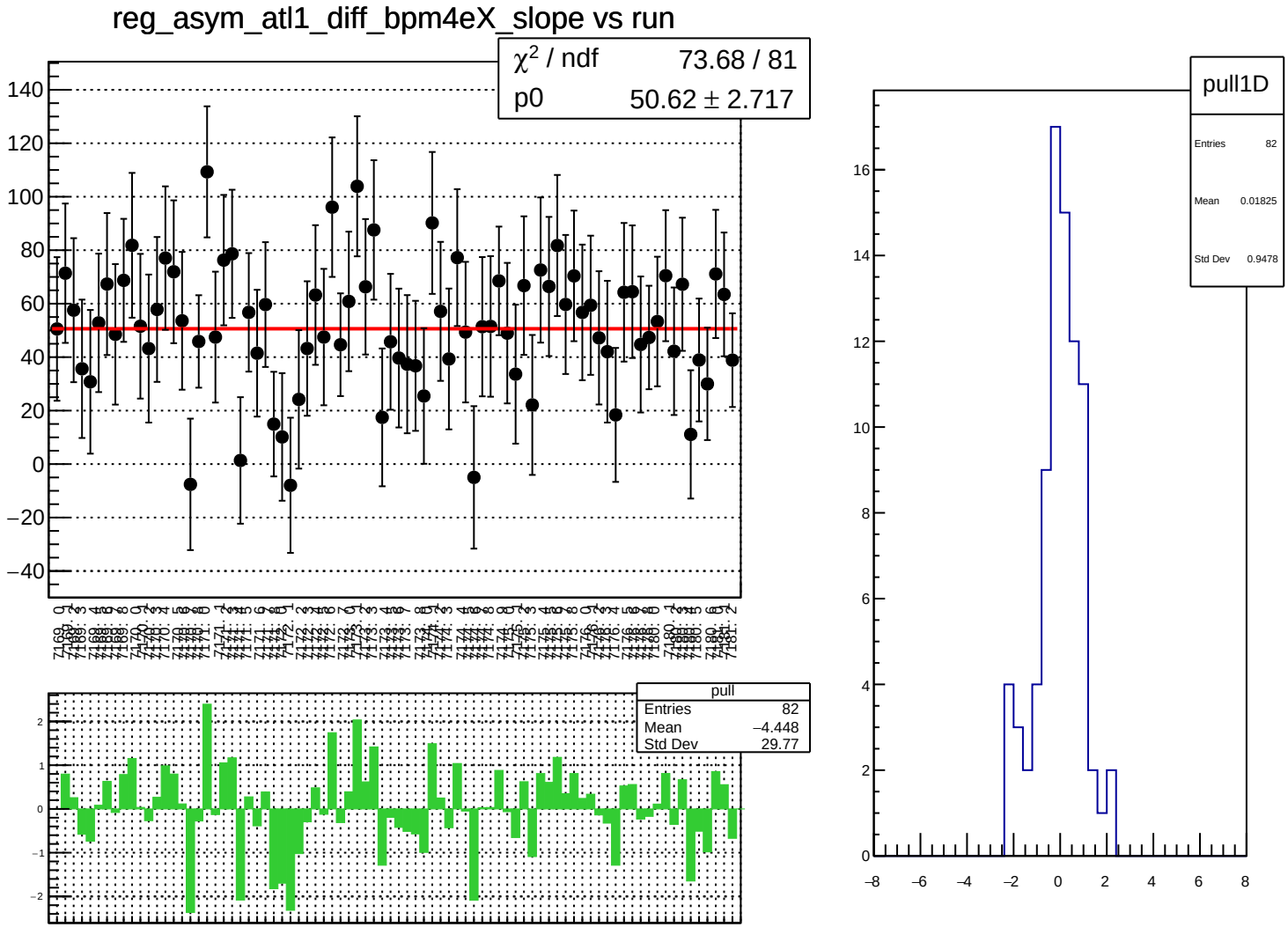


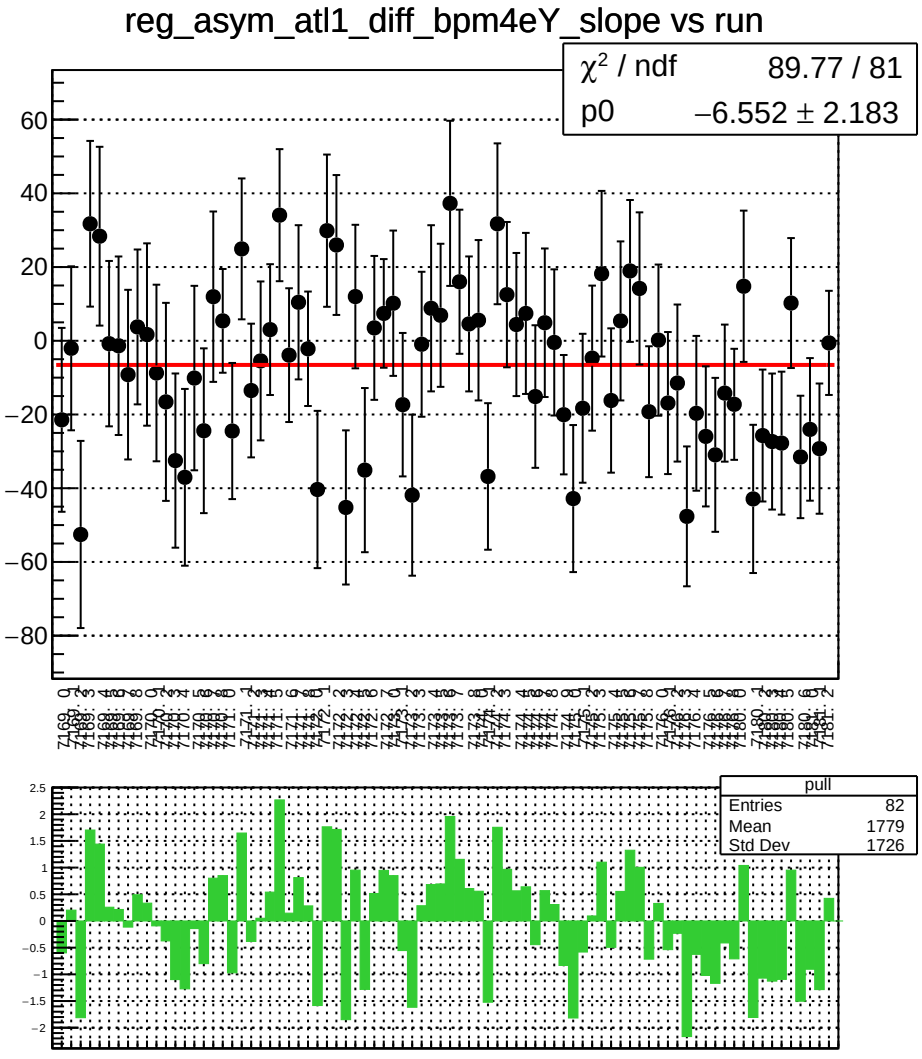

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 74.47 / 81
p0 −14.22 ± 2.718
pull
Entries 82
Mean 4.726
Std Dev 27.51

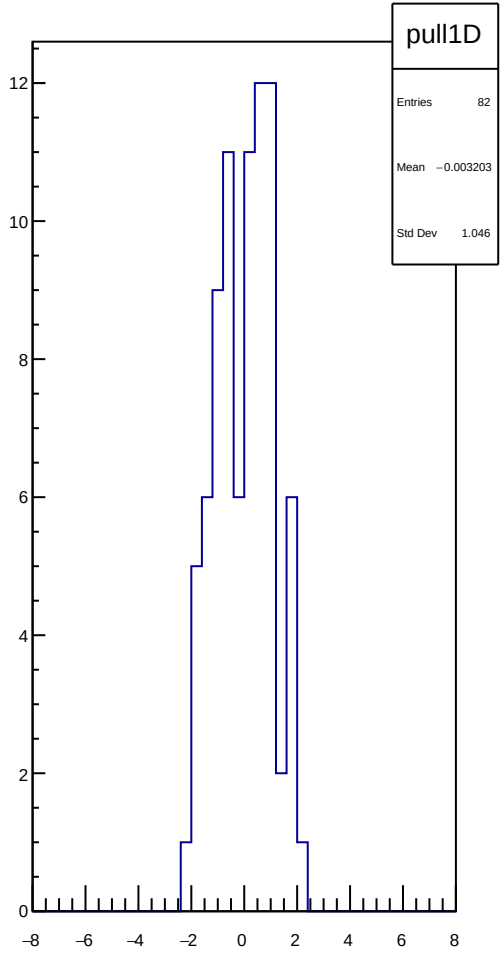

pull1D
Entries 82
Mean −0.0174
Std Dev 0.9528

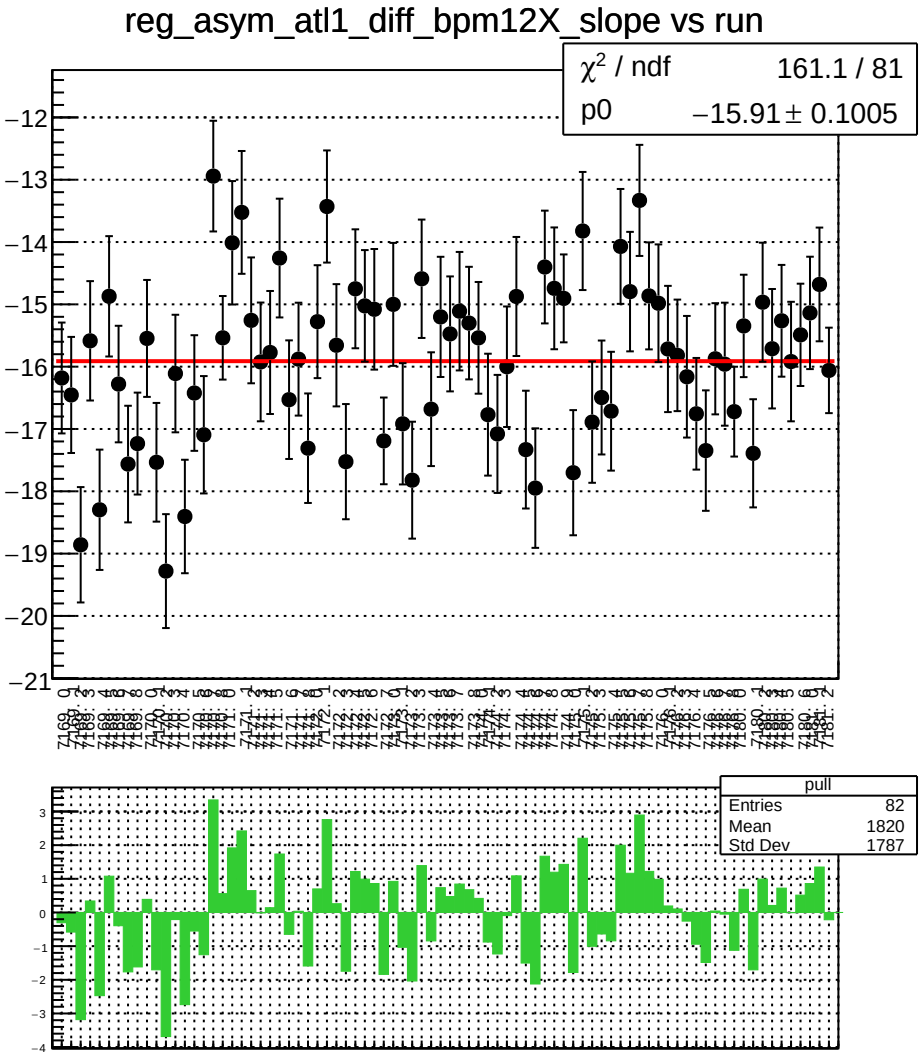

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 84.64 / 81
p0 2.314 ± 1.947
pull
Entries 82
Mean 282.9
Std Dev 224.4

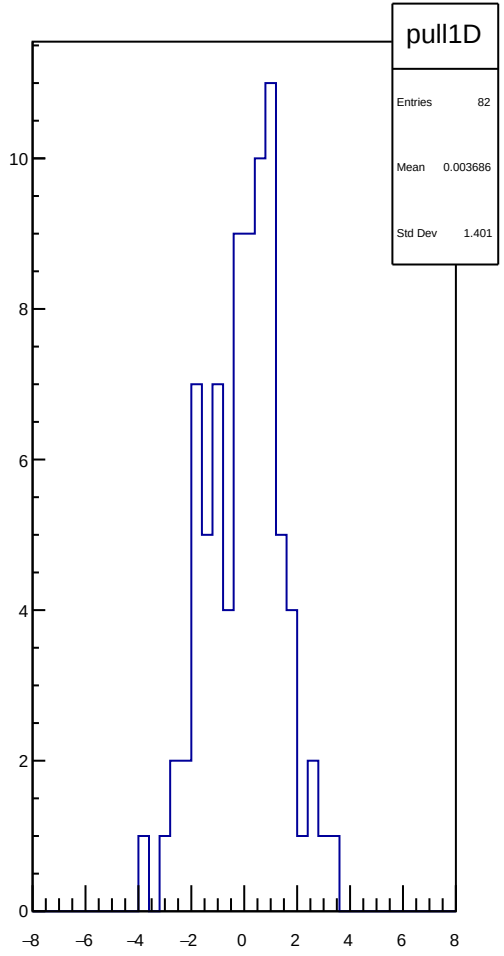

pull1D
Entries 82
Mean 0.01529
Std Dev 1.016

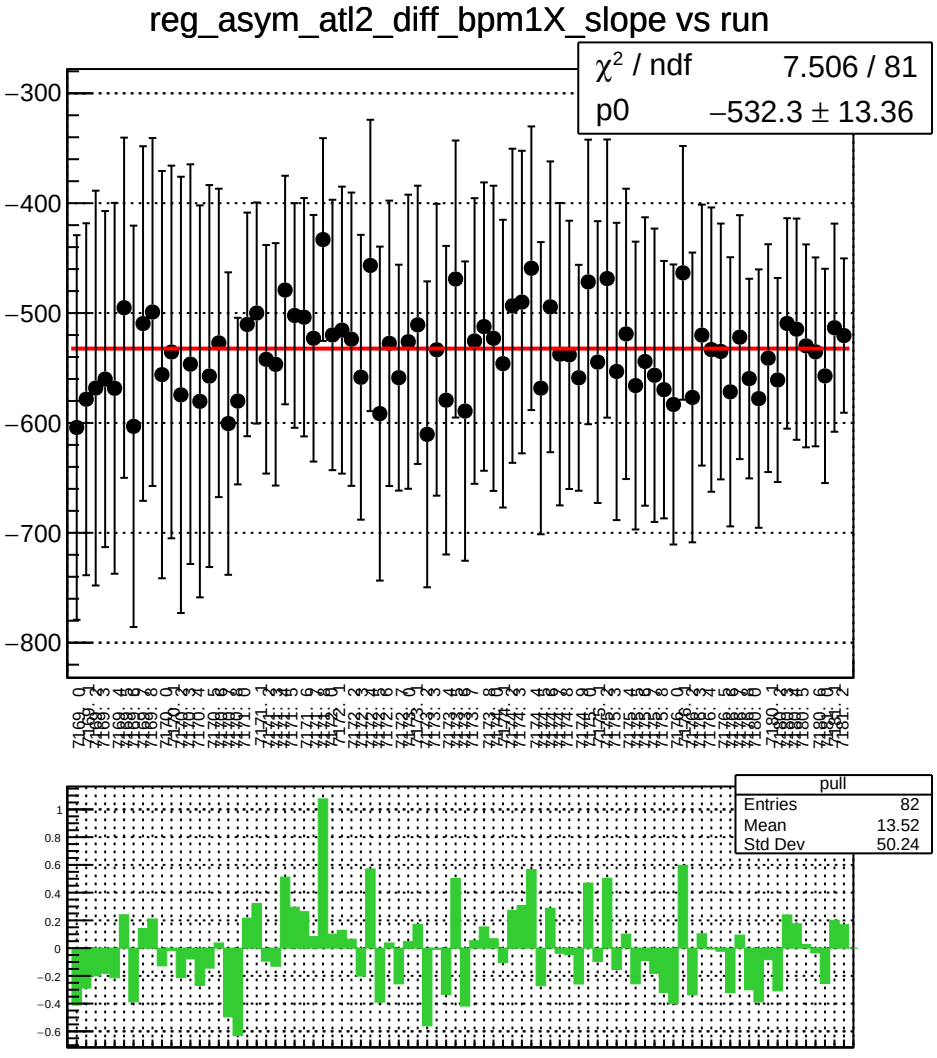

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 73.68 / 81
p0 50.62 ± 2.717
pull
Entries 82
Mean −4.448
Std Dev 29.77
pull1D
Entries 82
Mean 0.01825
Std Dev 0.9478

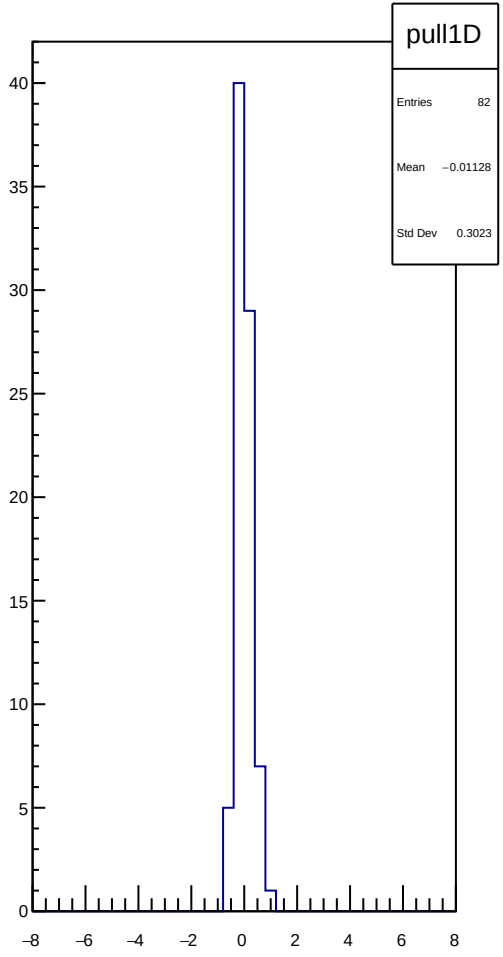

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 89.77 / 81
p0 −6.552 ± 2.183
pull
Entries 82
Mean 1779
Std Dev 1726

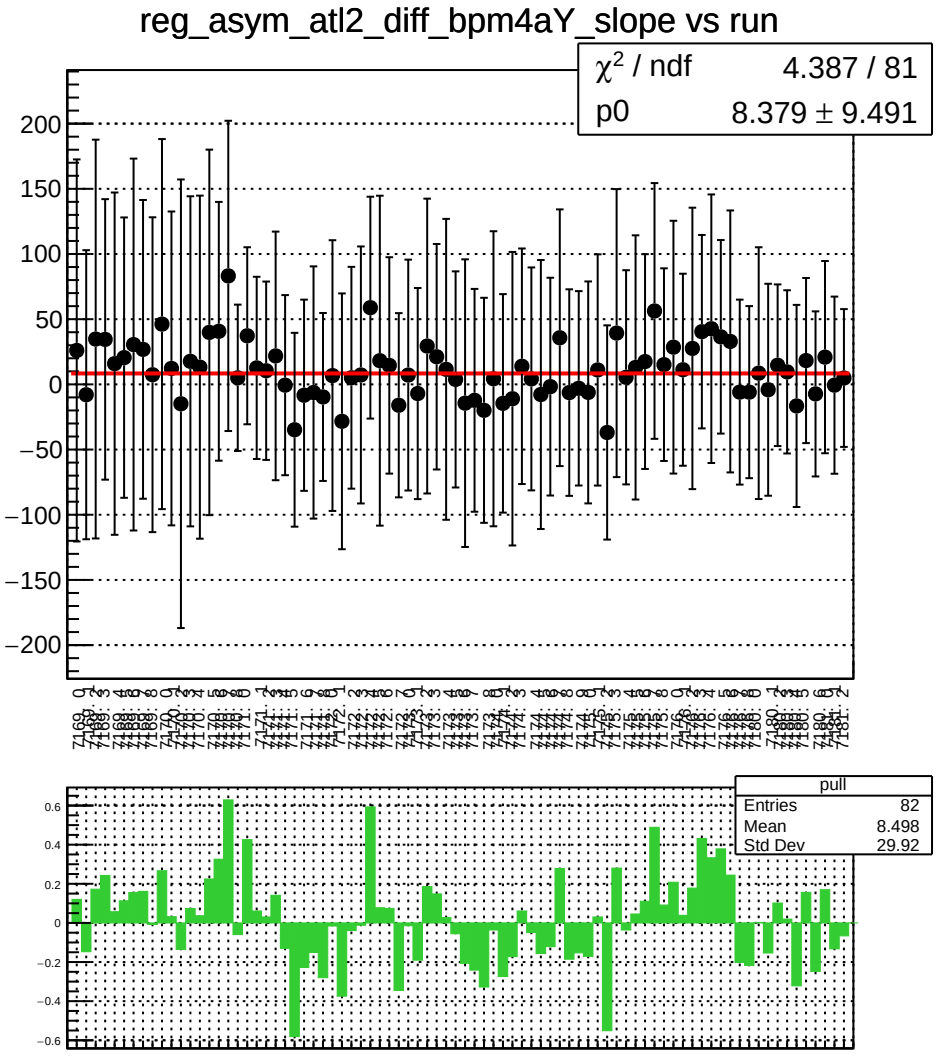

pull1D
Entries 82
Mean −0.003203
Std Dev 1.046

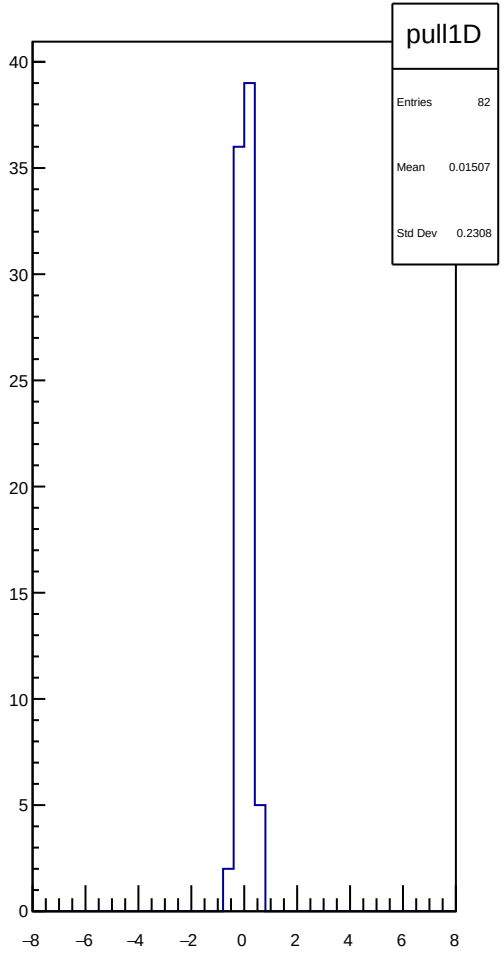

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 161.1 / 81
p0 −15.91 ± 0.1005
pull
Entries 82
Mean 1820
Std Dev 1787

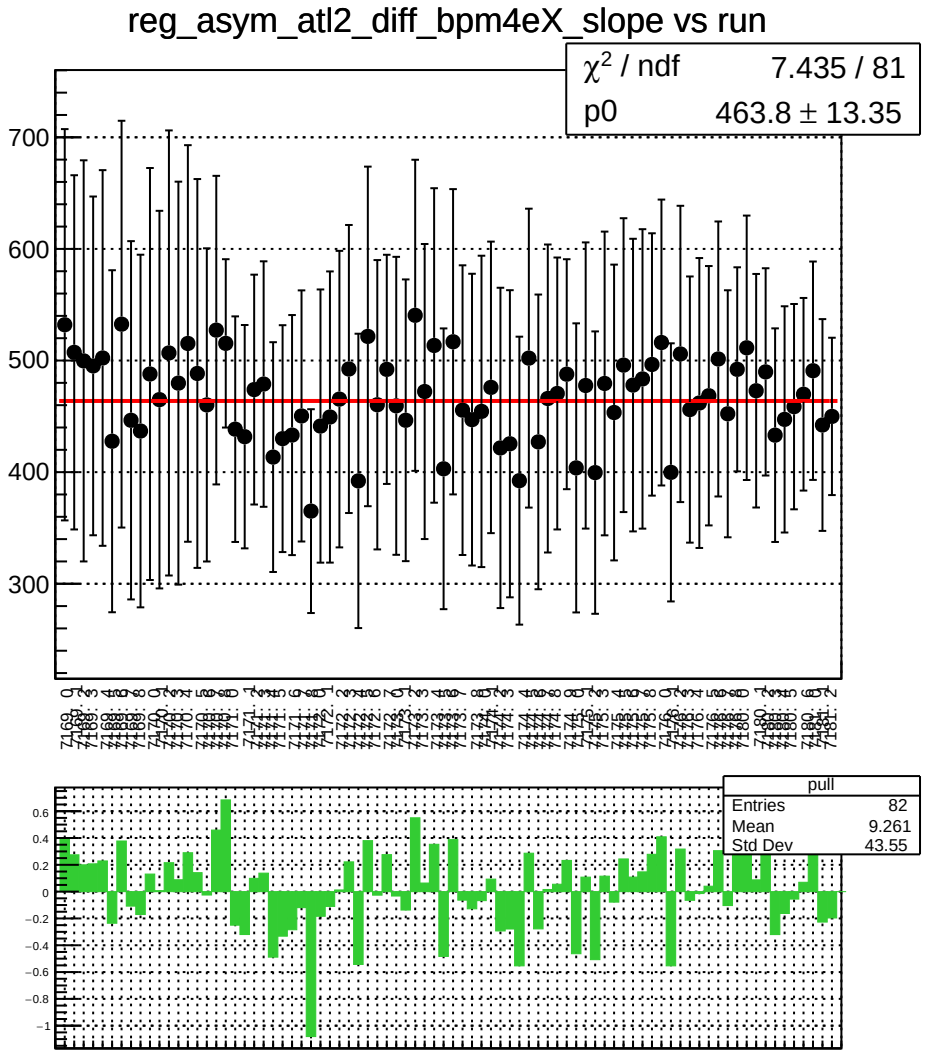

pull1D
Entries 82
Mean 0.003686
Std Dev 1.401

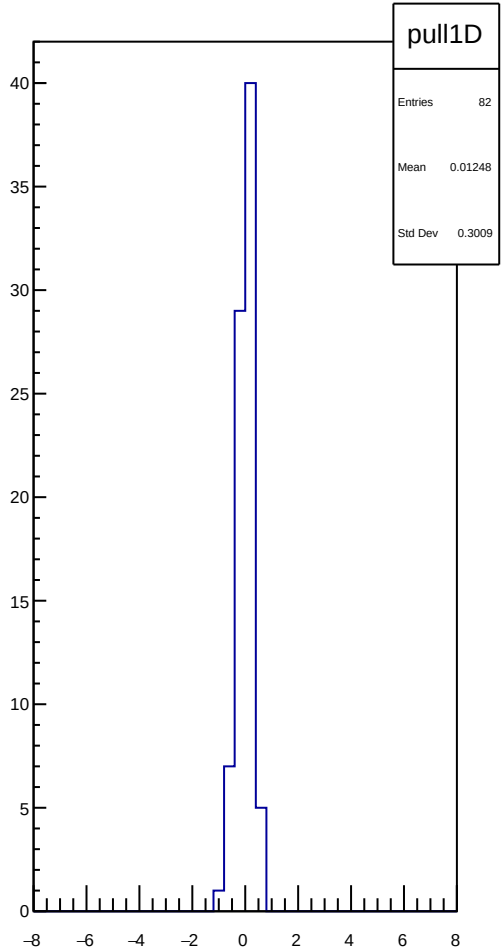

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 7.506 / 81
p0 −532.3 ± 13.36
pull
Entries 82
Mean 13.52
Std Dev 50.24

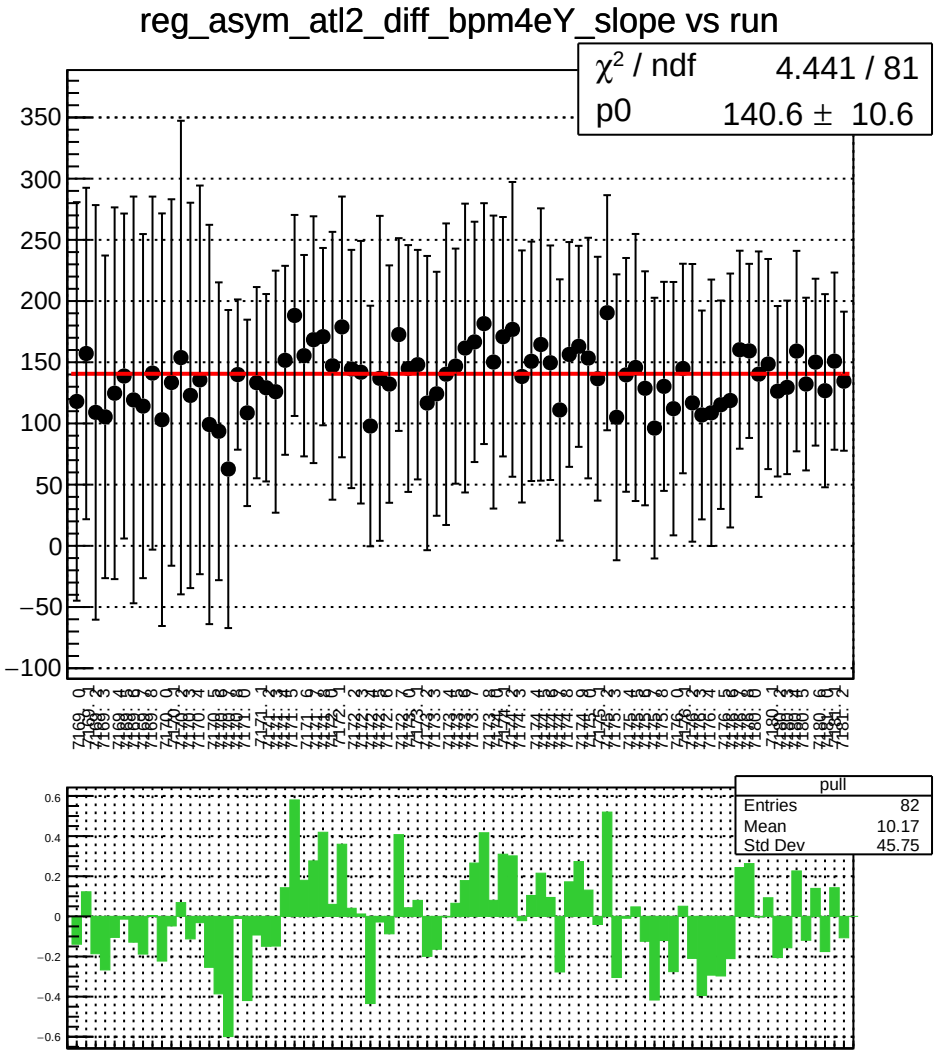

pull1D
Entries 82
Mean −0.01128
Std Dev 0.3023

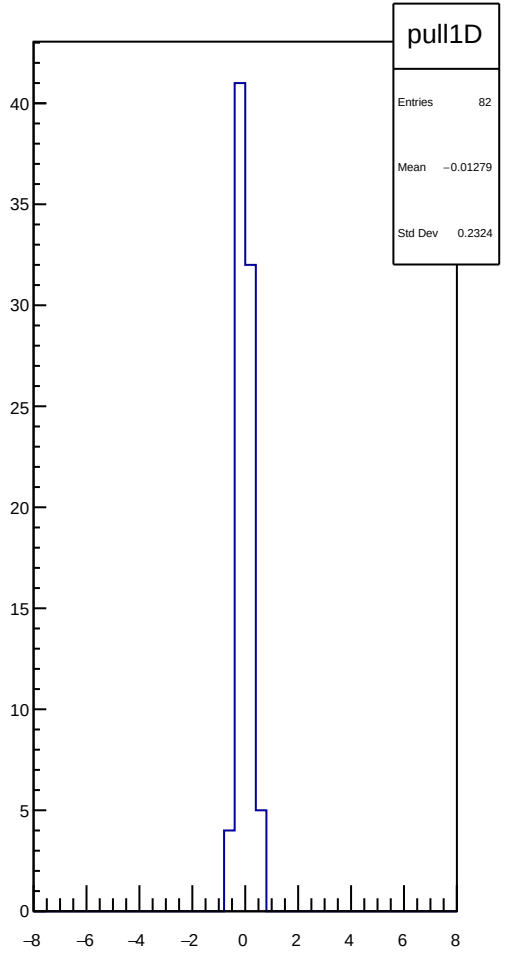

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.387 / 81
p0 8.379 ± 9.491
pull
Entries 82
Mean 8.498
Std Dev 29.92

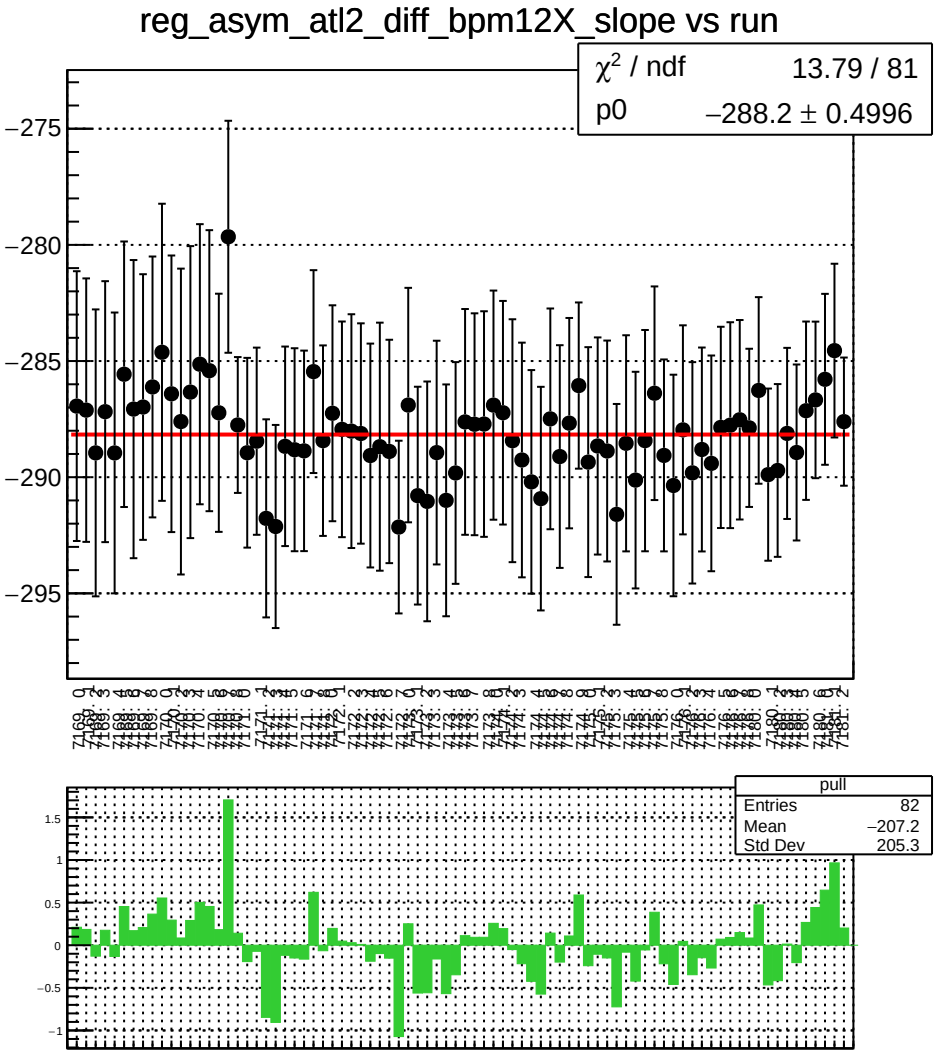

pull1D
Entries 82
Mean 0.01507
Std Dev 0.2308

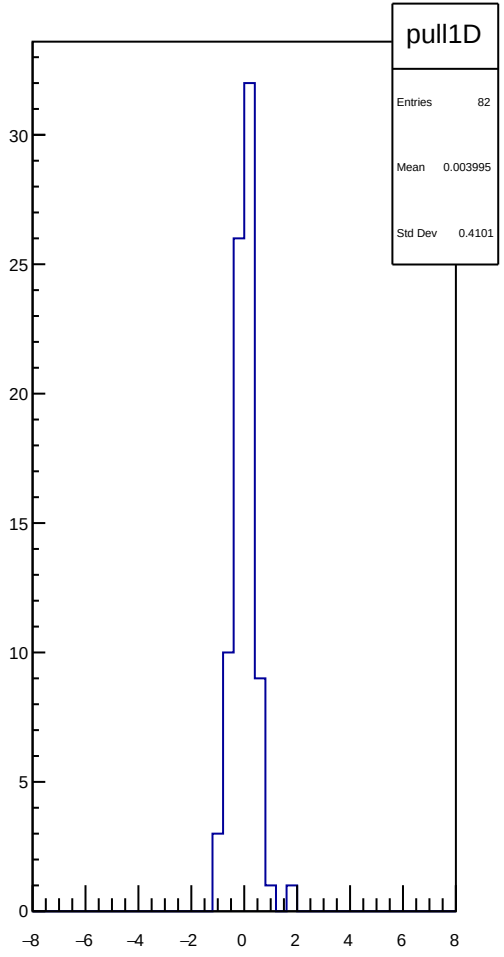

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 7.435 / 81
p0 463.8 ± 13.35
pull
Entries 82
Mean 9.261
Std Dev 43.55

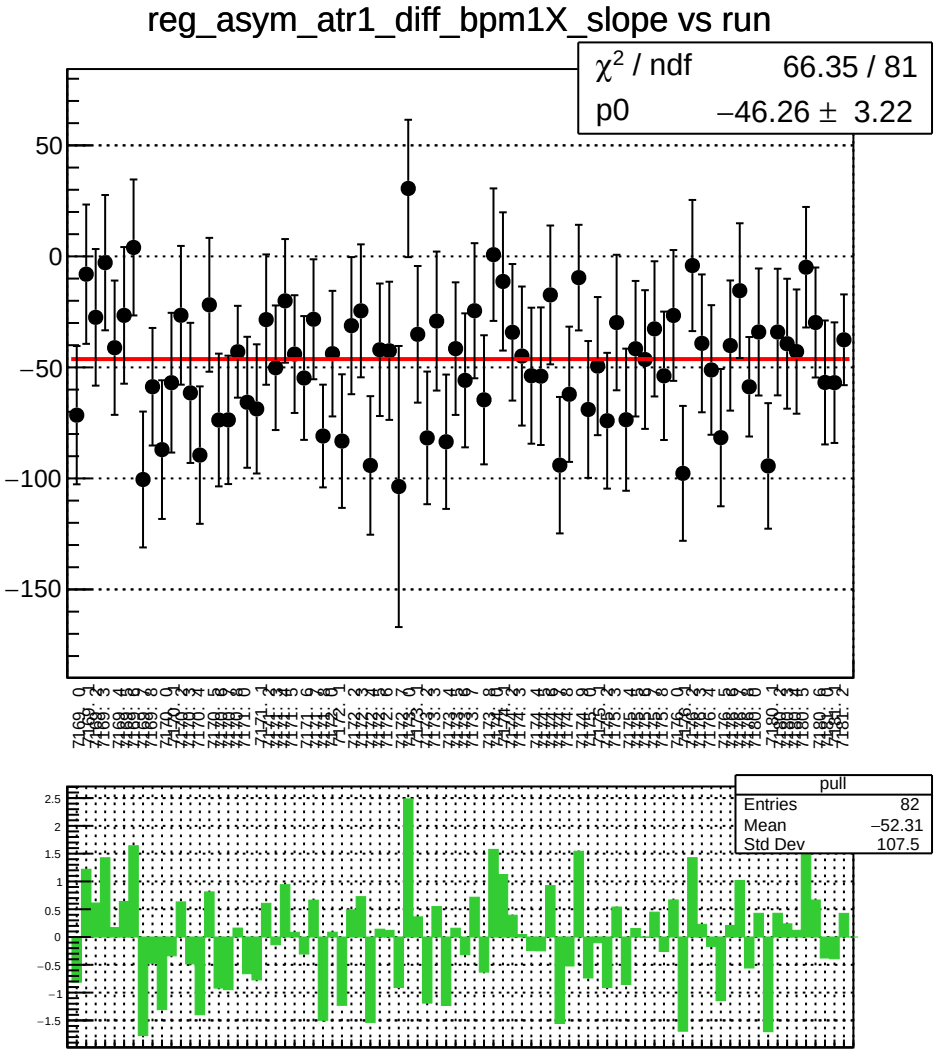

pull1D
Entries 82
Mean 0.01248
Std Dev 0.3009

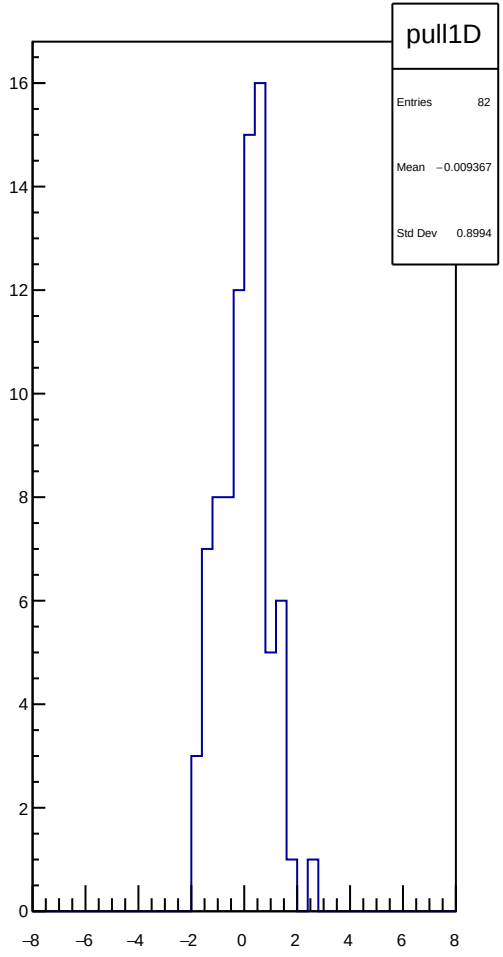

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.441 / 81
p0 140.6 ± 10.6
pull
Entries 82
Mean 10.17
Std Dev 45.75

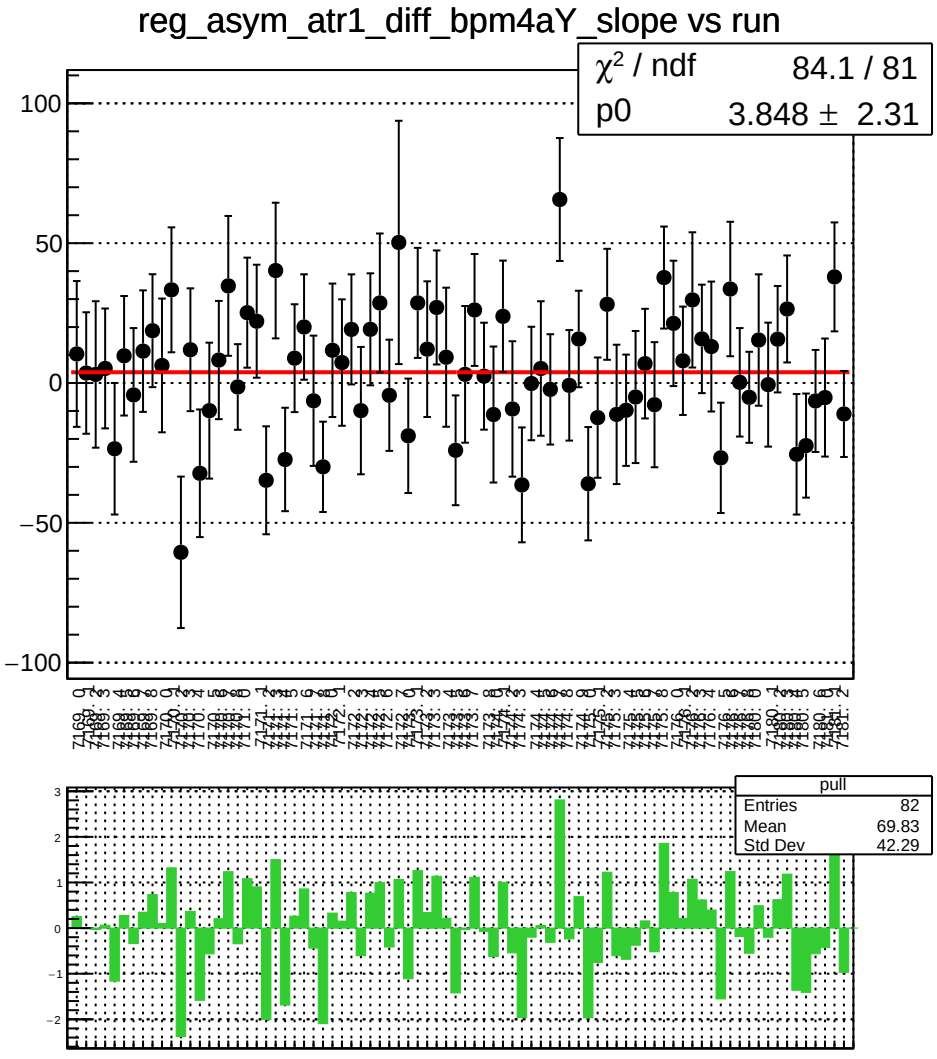

pull1D
Entries 82
Mean −0.01279
Std Dev 0.2324

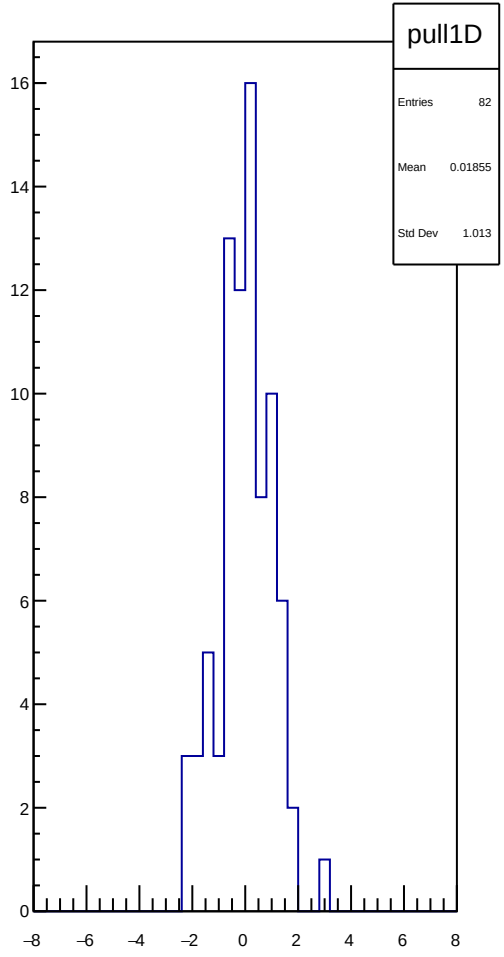

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 13.79 / 81
p0 −288.2 ± 0.4996
pull
Entries 82
Mean −207.2
Std Dev 205.3

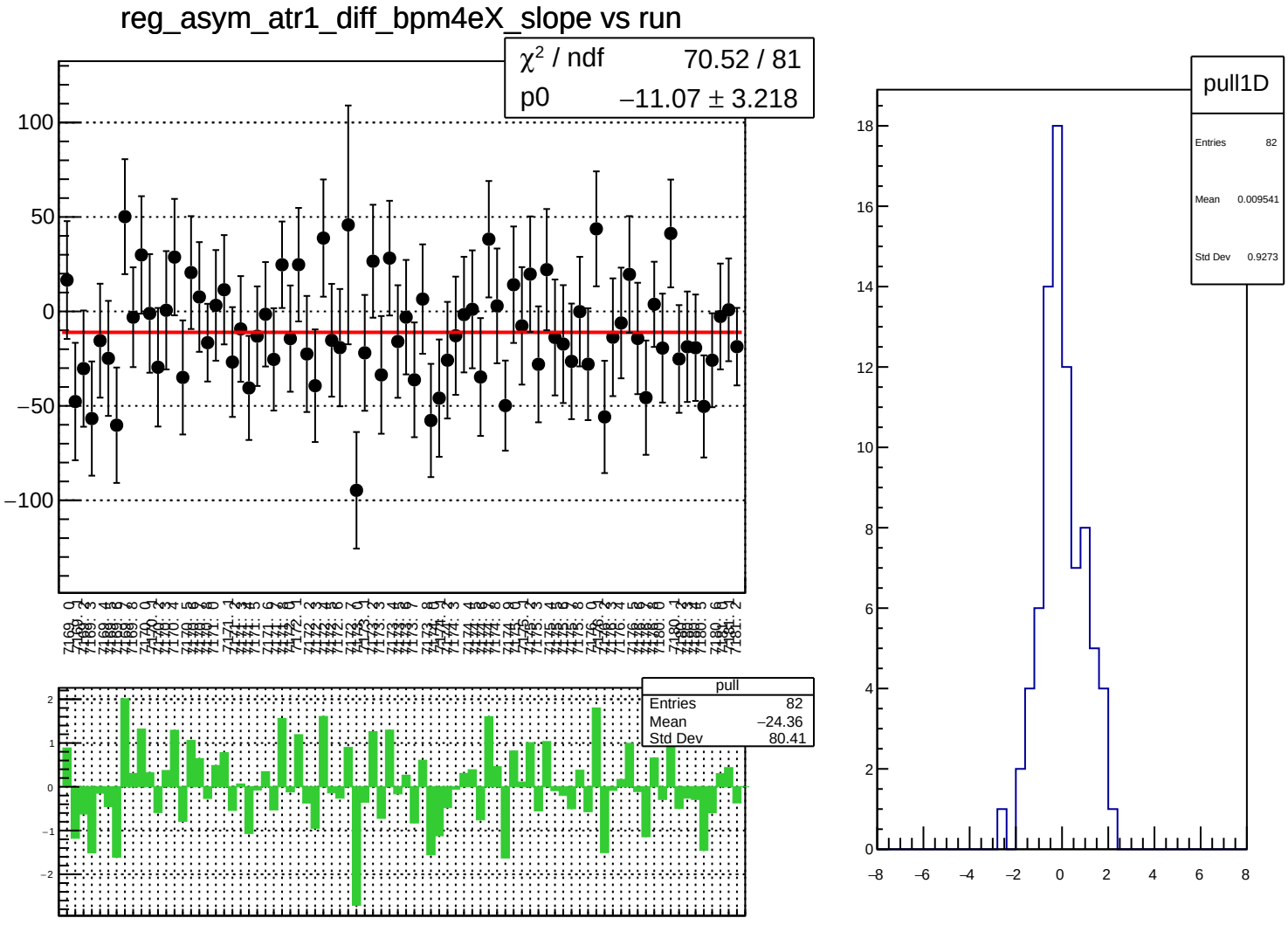

pull1D
Entries 82
Mean 0.003995
Std Dev 0.4101

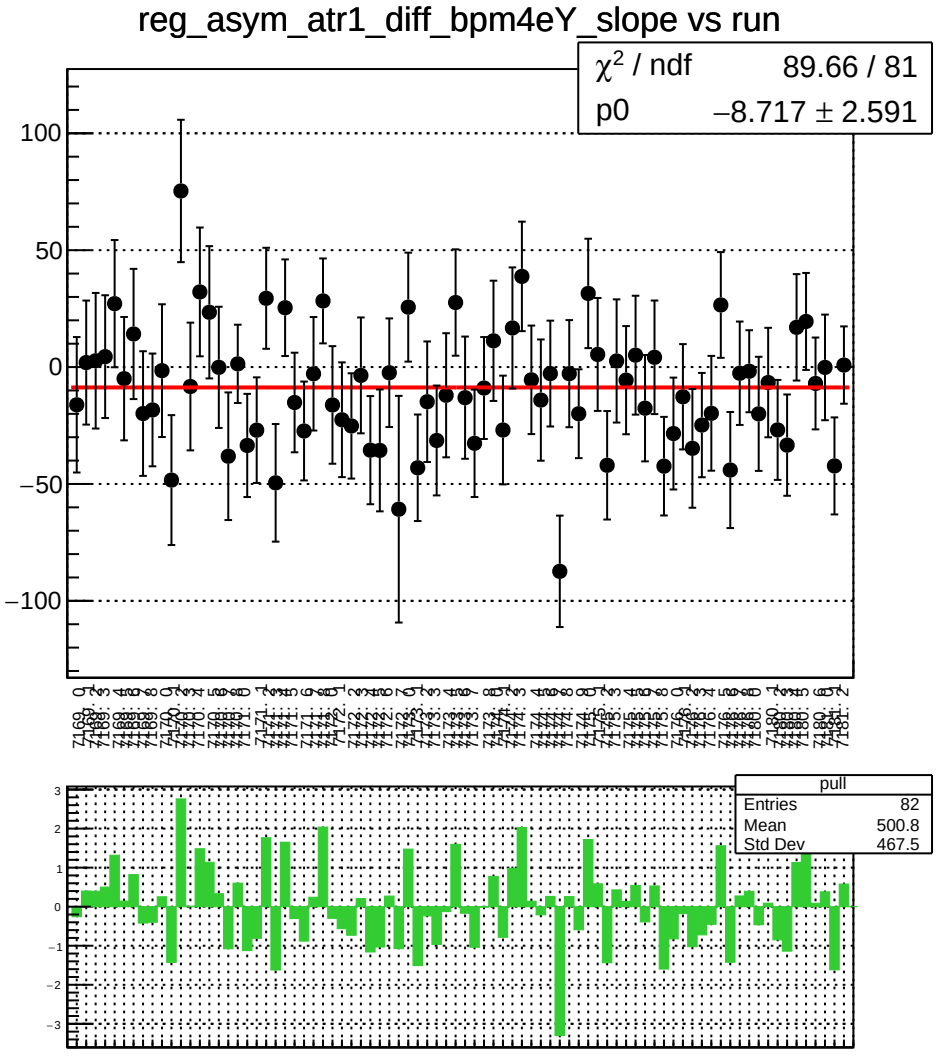

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 66.35 / 81
p0 −46.26 ± 3.22
pull
Entries 82
Mean −52.31
Std Dev 107.5

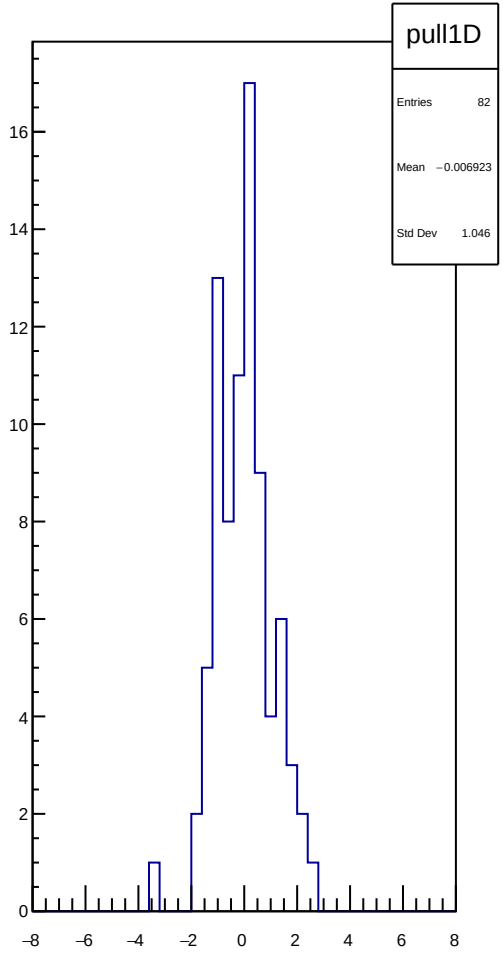

pull1D
Entries 82
Mean −0.009367
Std Dev 0.8994

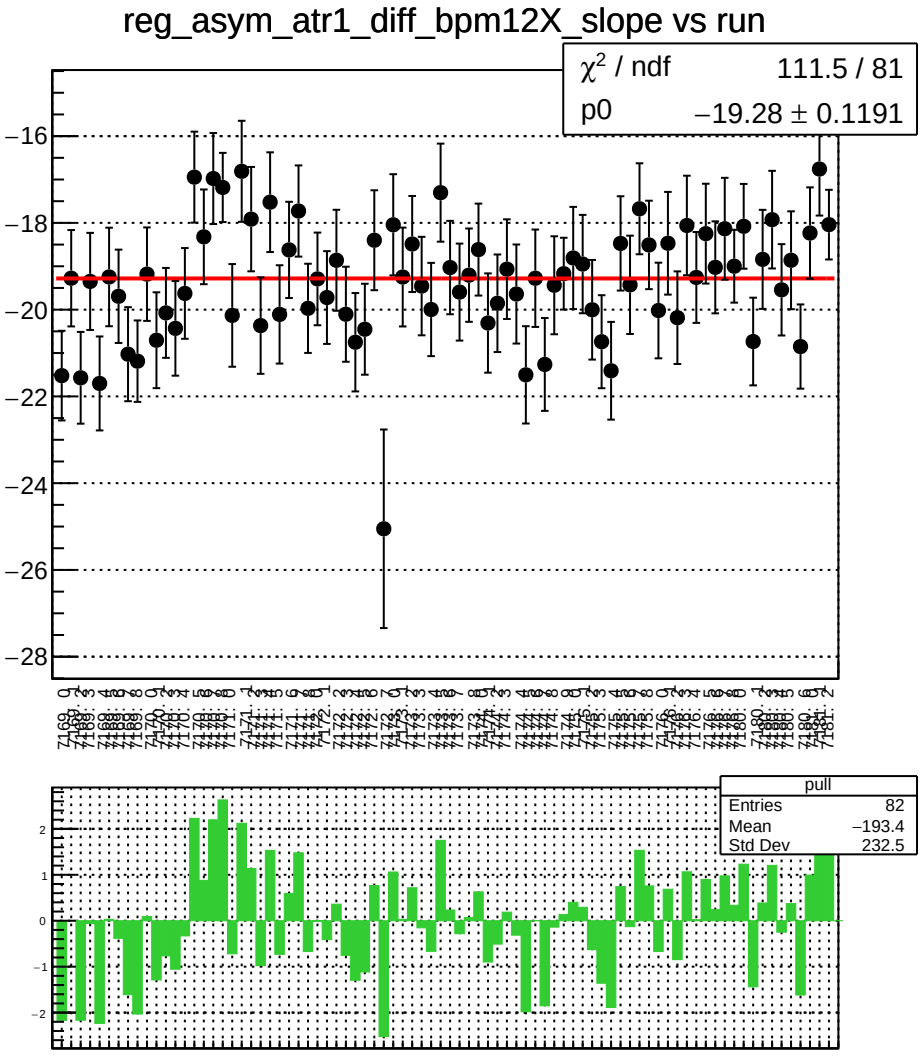

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 84.1 / 81
p0 3.848 ± 2.31
pull
Entries 82
Mean 69.83
Std Dev 42.29

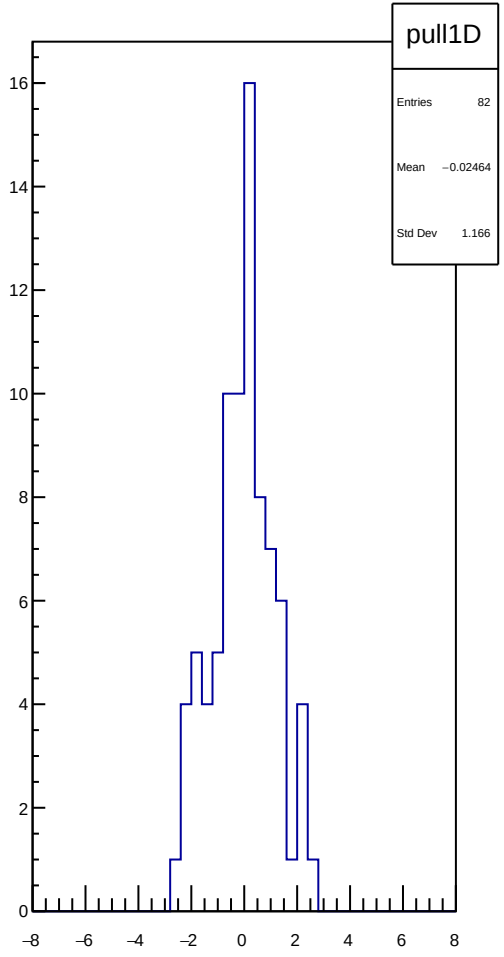

pull1D
Entries 82
Mean 0.01855
Std Dev 1.013

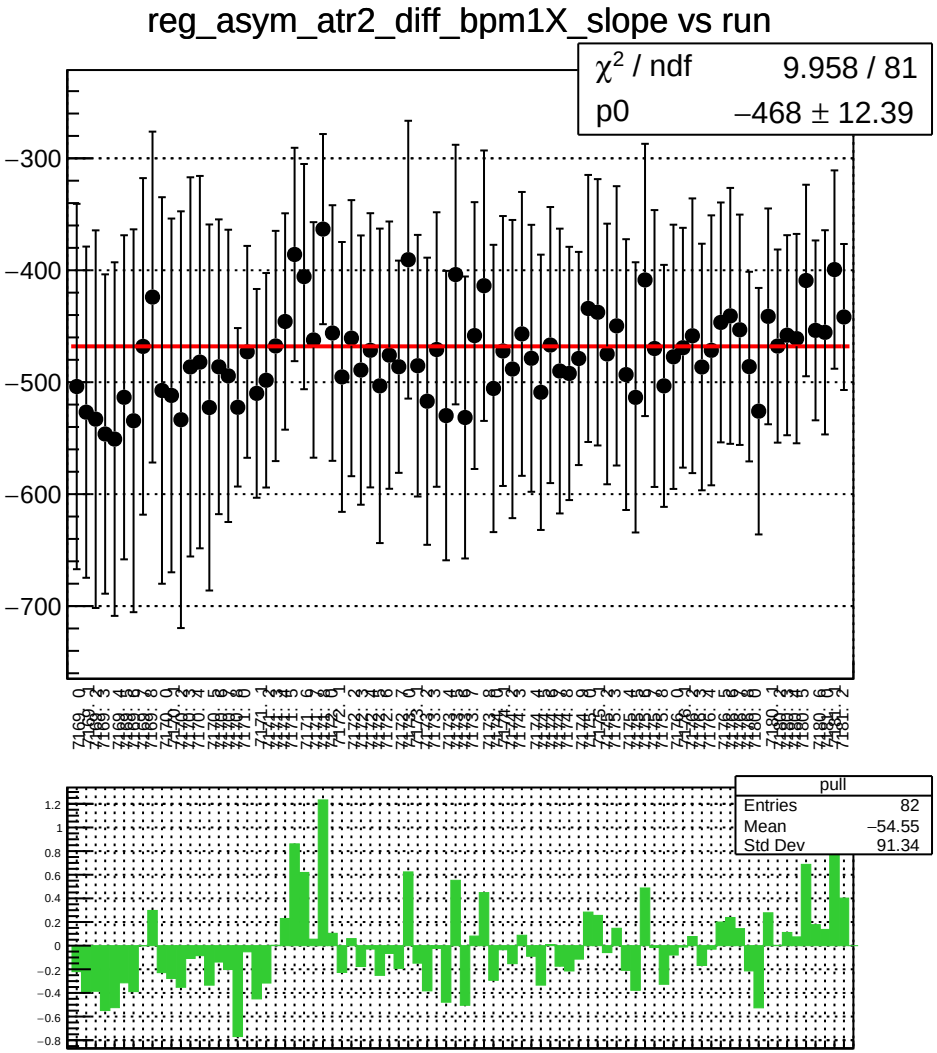

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 70.52 / 81
p0 −11.07 ± 3.218
pull
Entries 82
Mean −24.36
Std Dev 80.41
pull1D
Entries 82
Mean 0.009541
Std Dev 0.9273

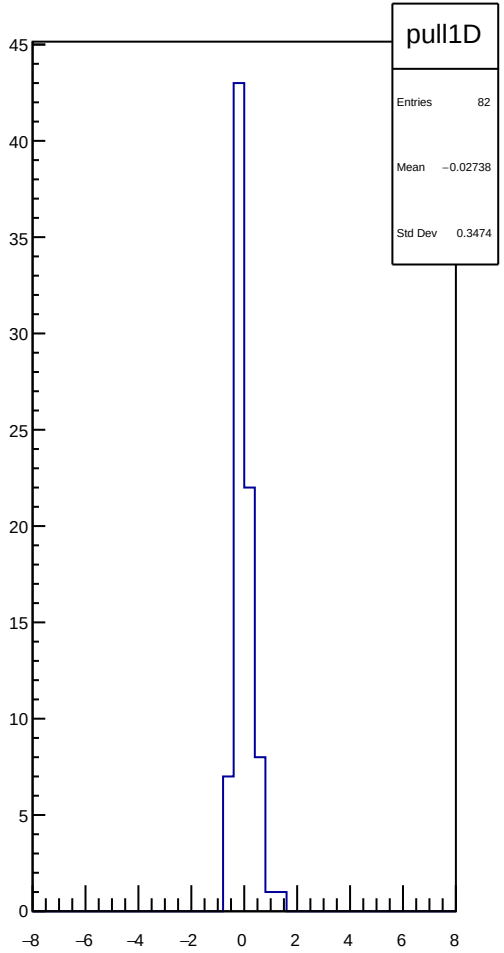

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 89.66 / 81
p0 −8.717 ± 2.591
pull
Entries 82
Mean 500.8
Std Dev 467.5

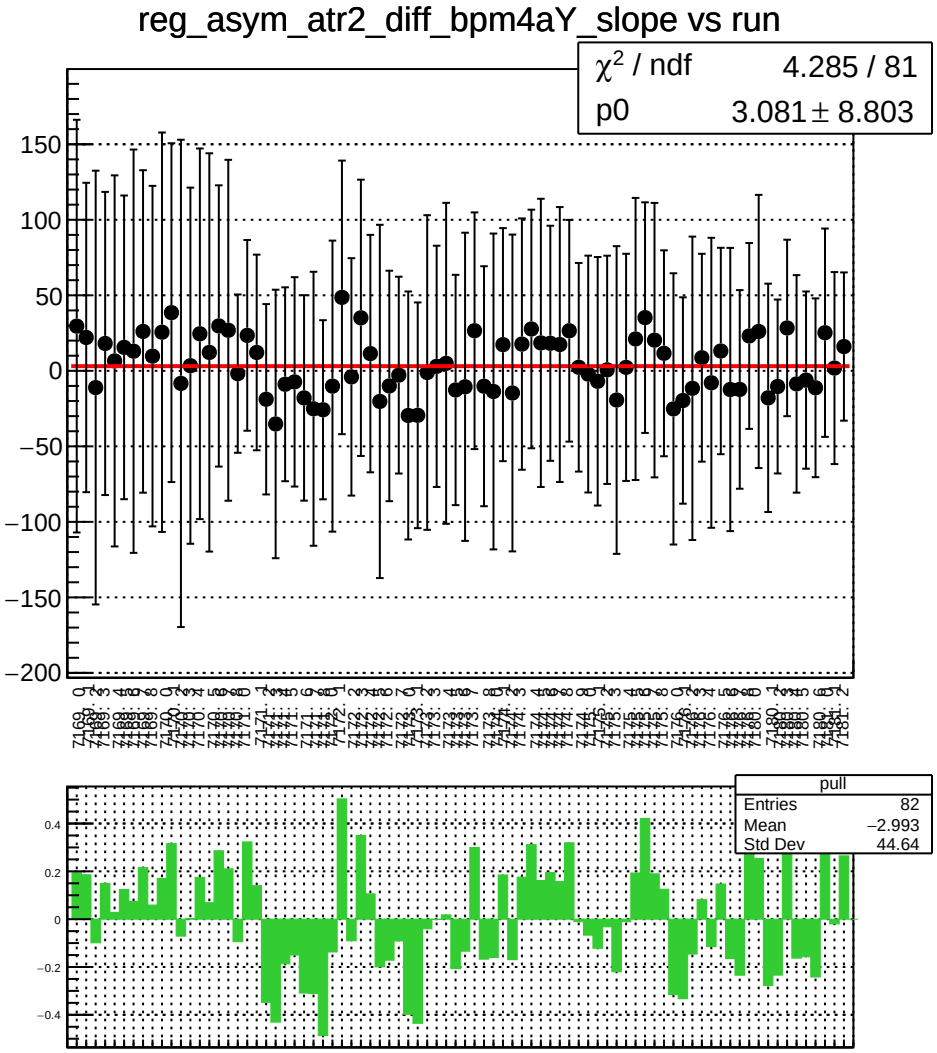

pull1D
Entries 82
Mean −0.006923
Std Dev 1.046

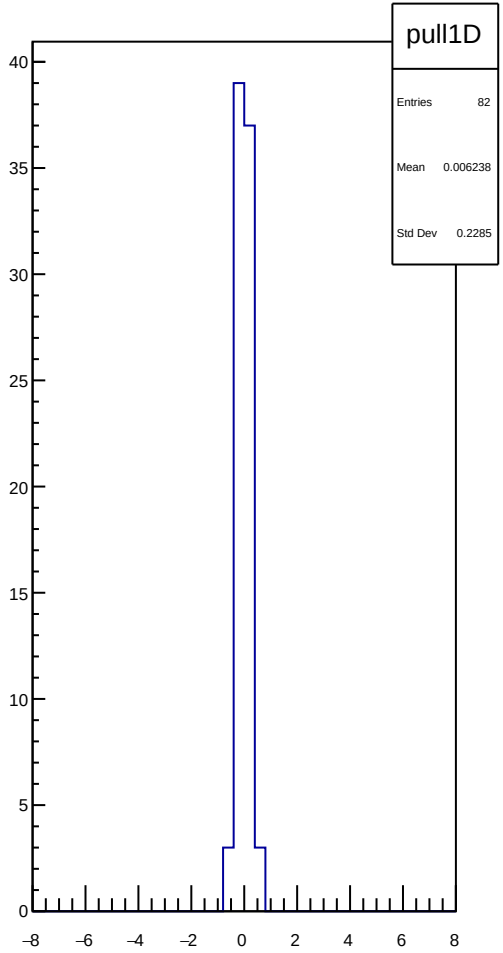

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 111.5 / 81
p0 −19.28 ± 0.1191
pull
Entries 82
Mean −193.4
Std Dev 232.5

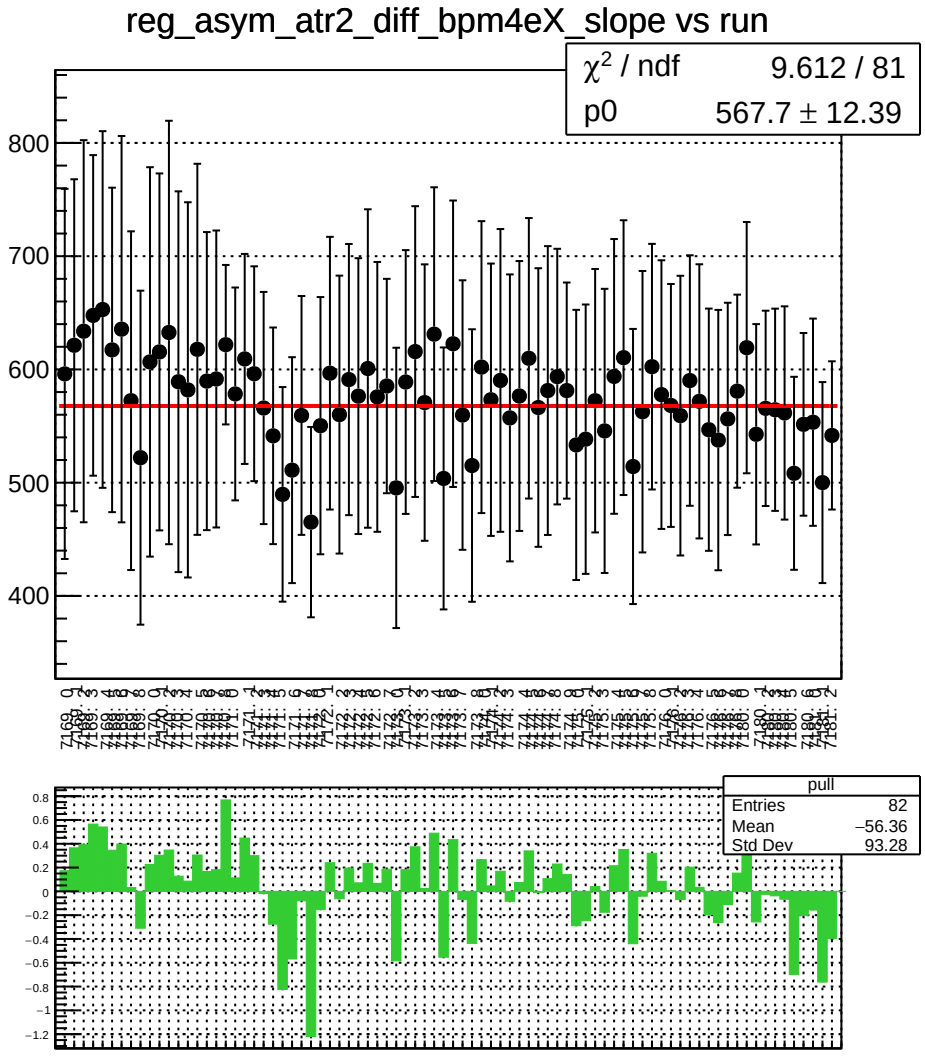

pull1D
Entries 82
Mean −0.02464
Std Dev 1.166

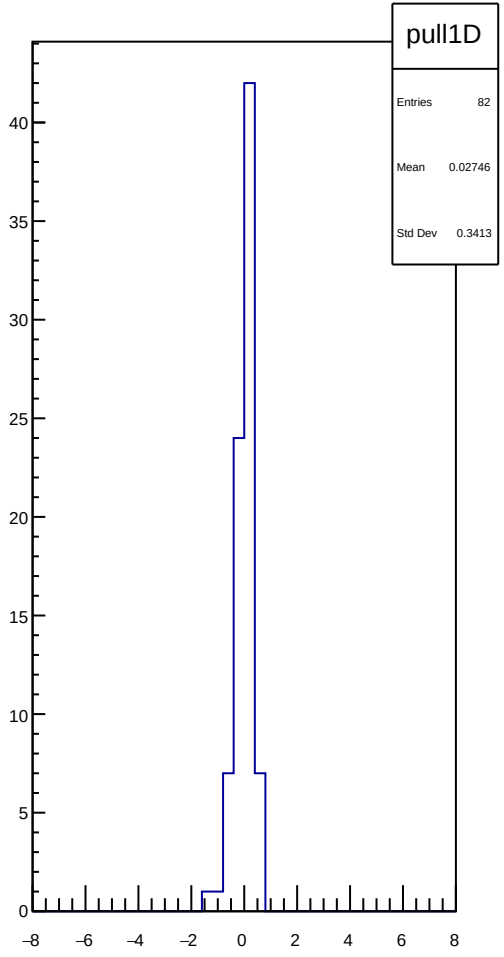

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 9.958 / 81
p0 −468 ± 12.39
−300
−400
−500
−600
−700
pull
Entries 82
Mean −54.55
Std Dev 91.34
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

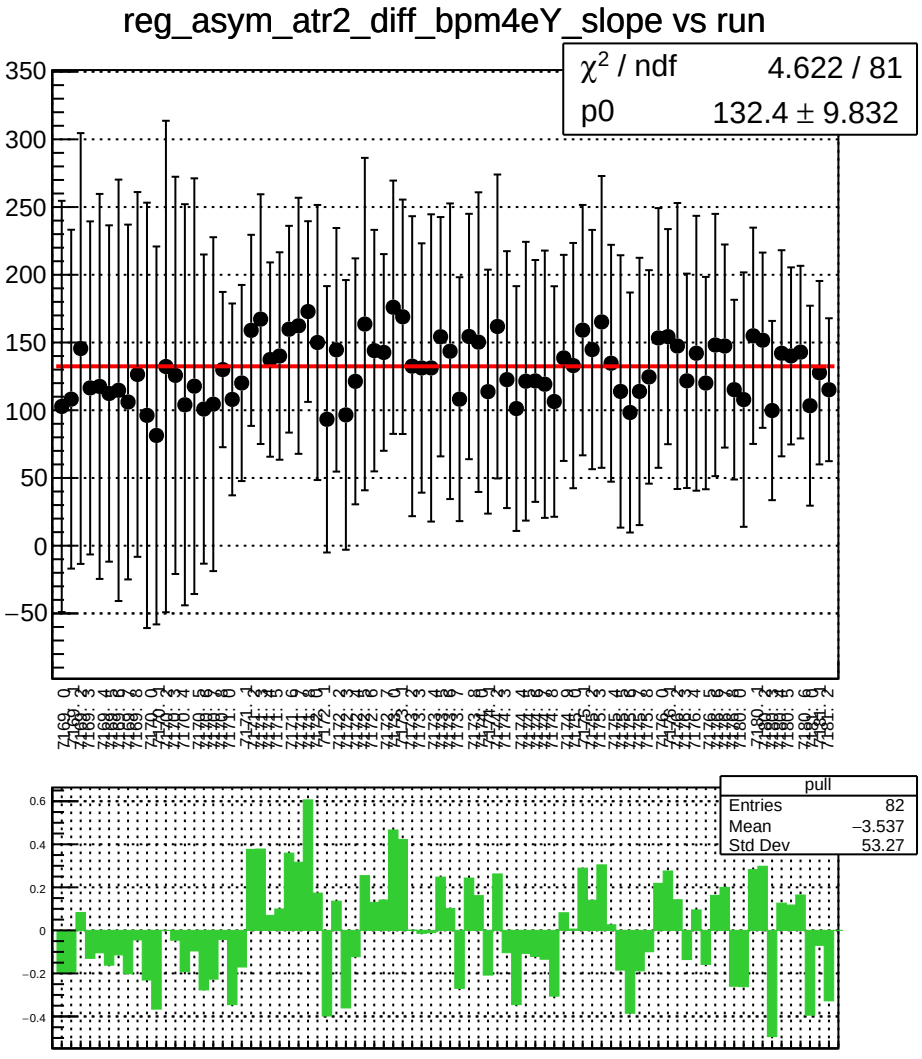

pull1D
Entries 82
Mean −0.02738
Std Dev 0.3474
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

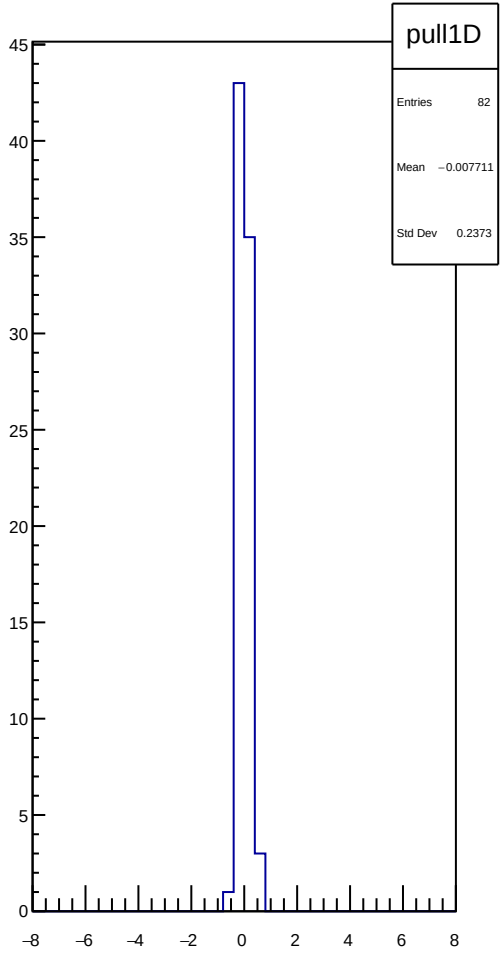

reg_asym_atr2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.285 / 81
p0 3.081 ± 8.803
pull
Entries 82
Mean −2.993
Std Dev 44.64

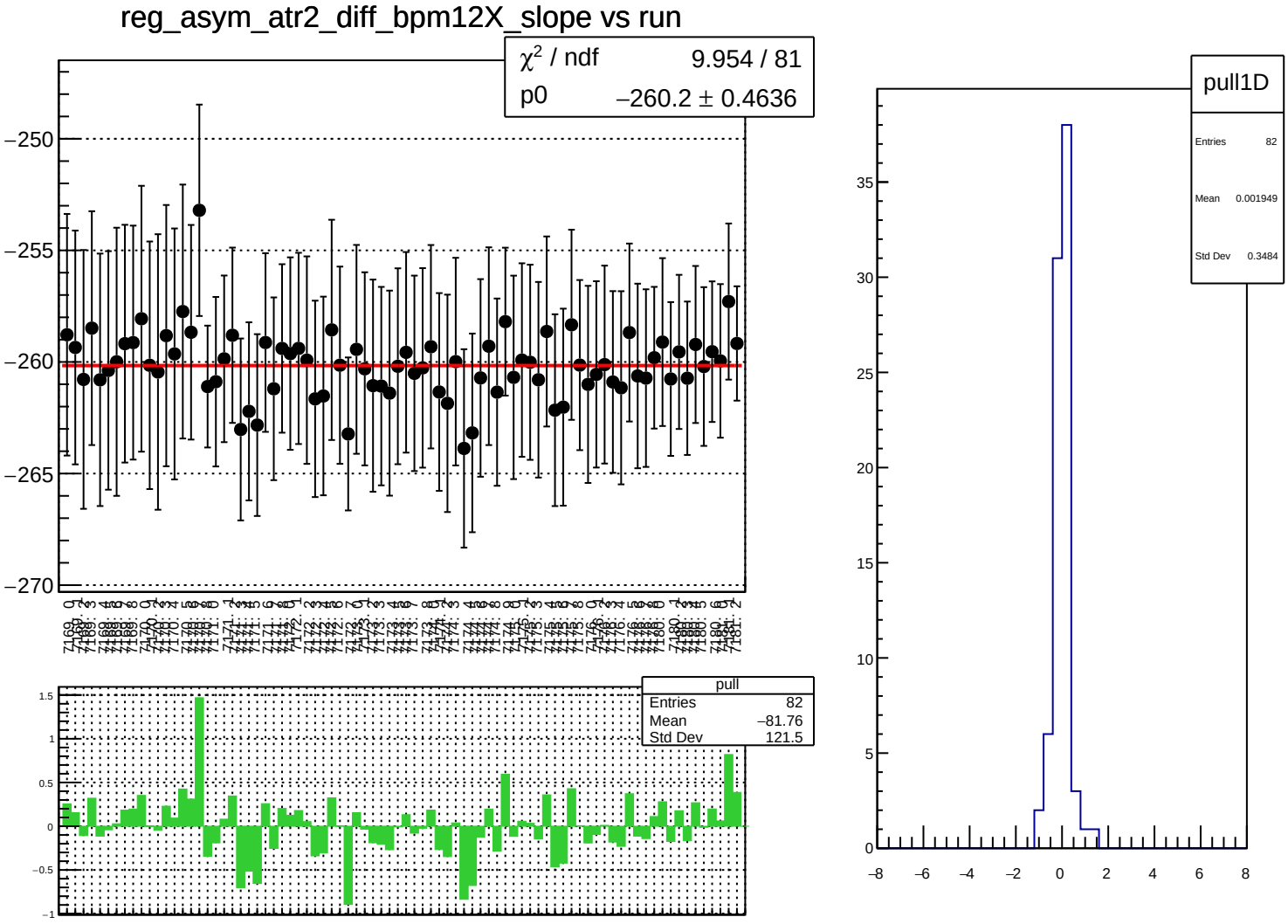

pull1D
Entries 82
Mean 0.006238
Std Dev 0.2285

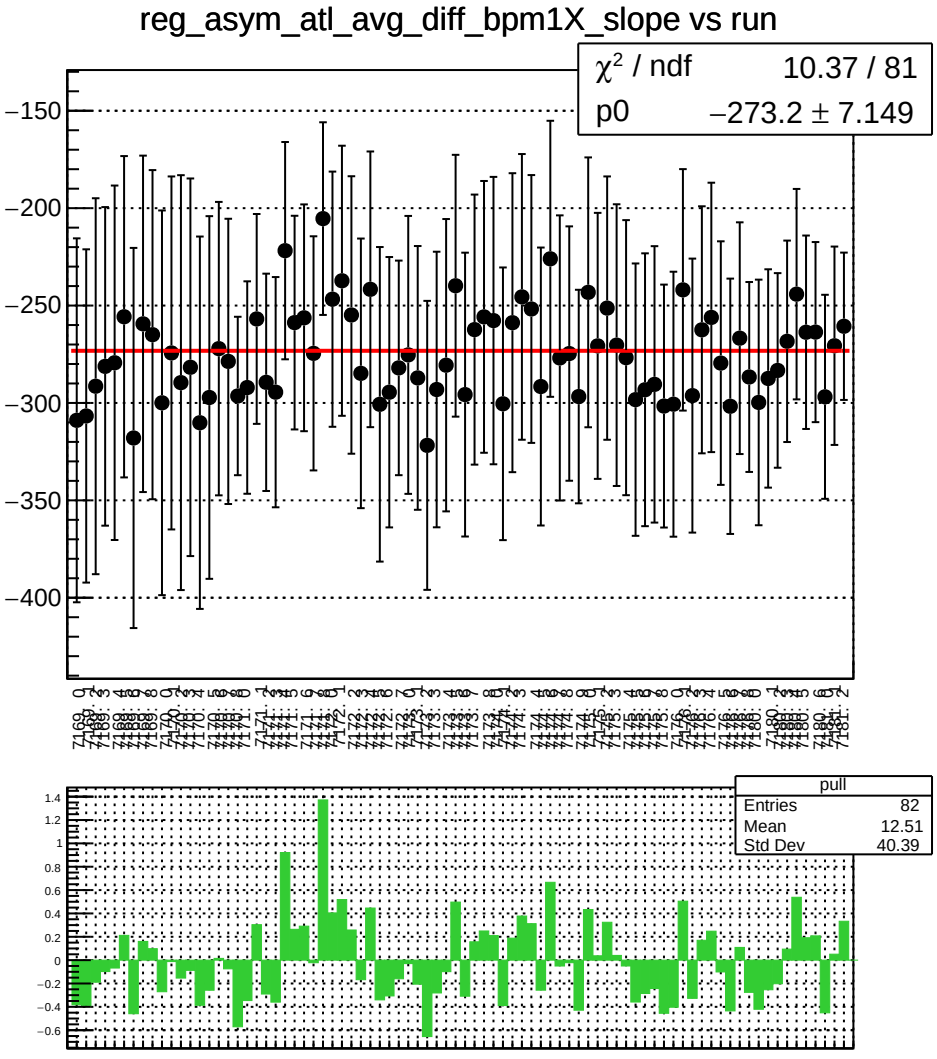

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 9.612 / 81
p0 567.7 ± 12.39
800
700
600
500
400
pull
Entries 82
Mean −56.36
Std Dev 93.28
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

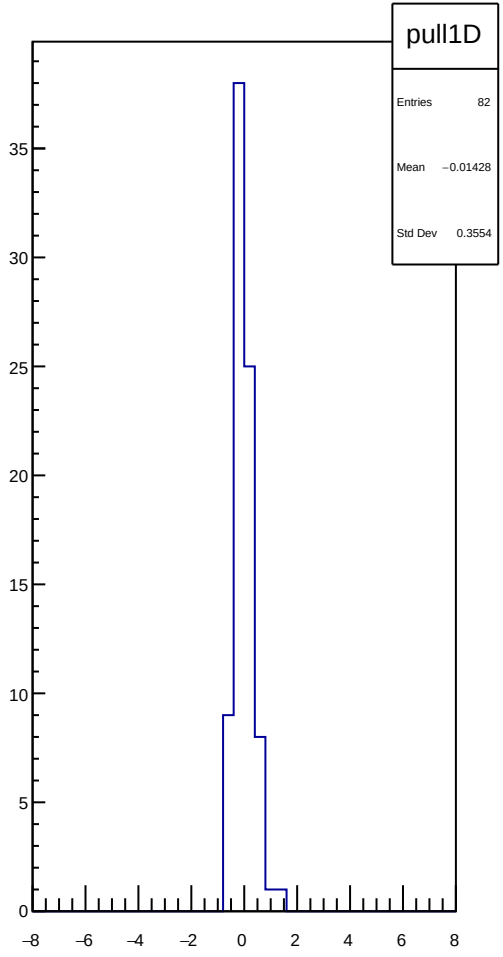

pull1D
Entries 82
Mean 0.02746
Std Dev 0.3413
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

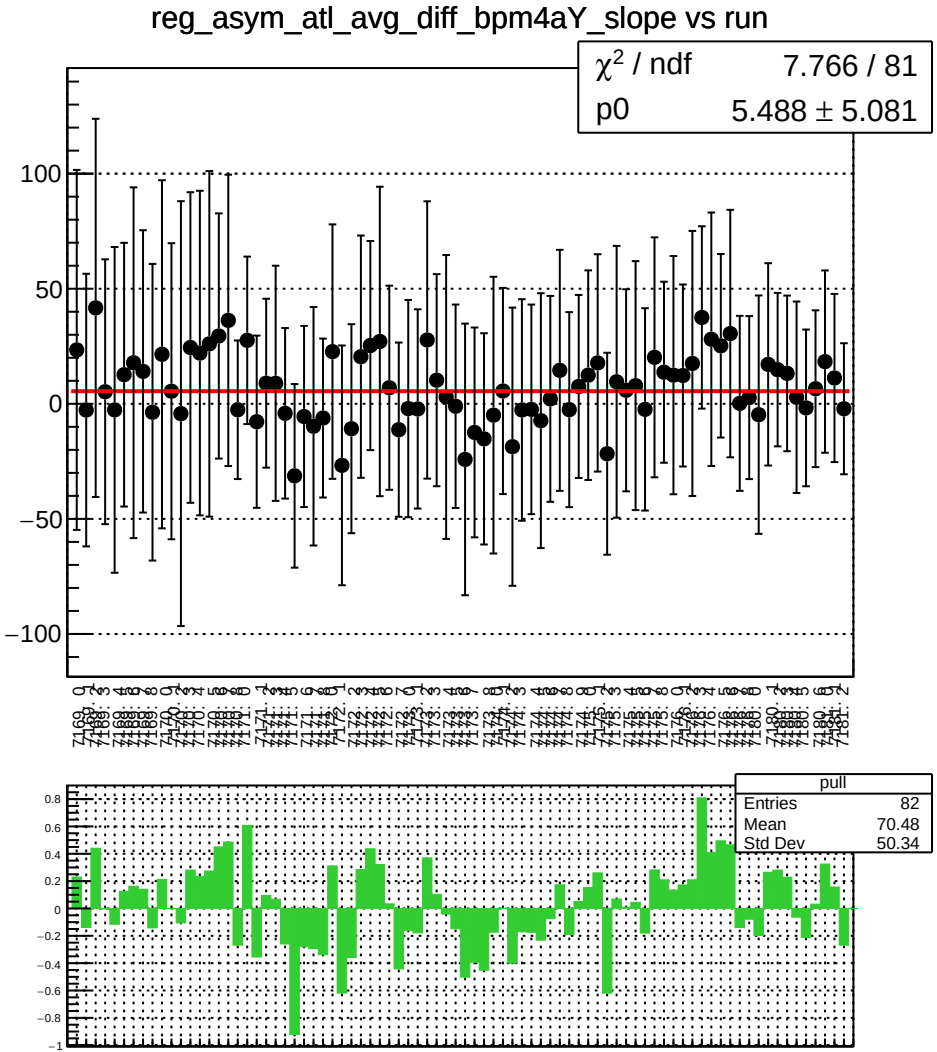

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.622 / 81
p0 132.4 ± 9.832
pull
Entries 82
Mean −3.537
Std Dev 53.27

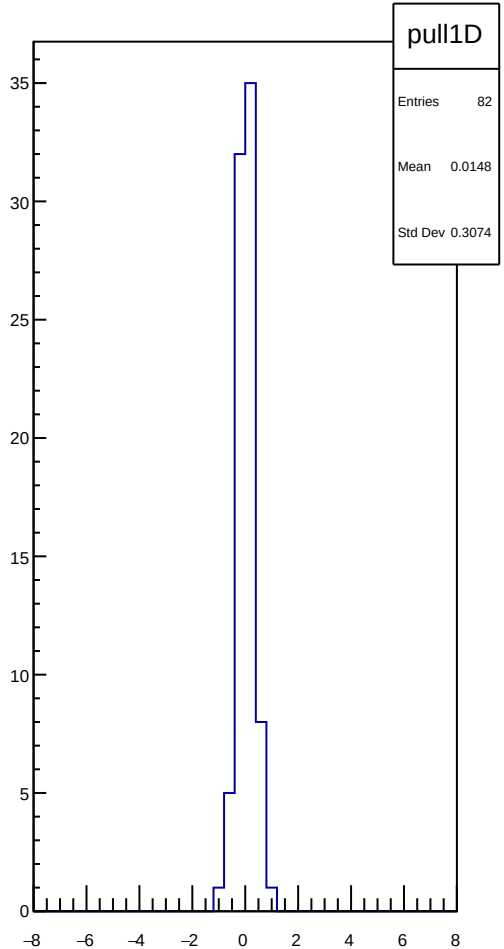

pull1D
Entries 82
Mean −0.007711
Std Dev 0.2373

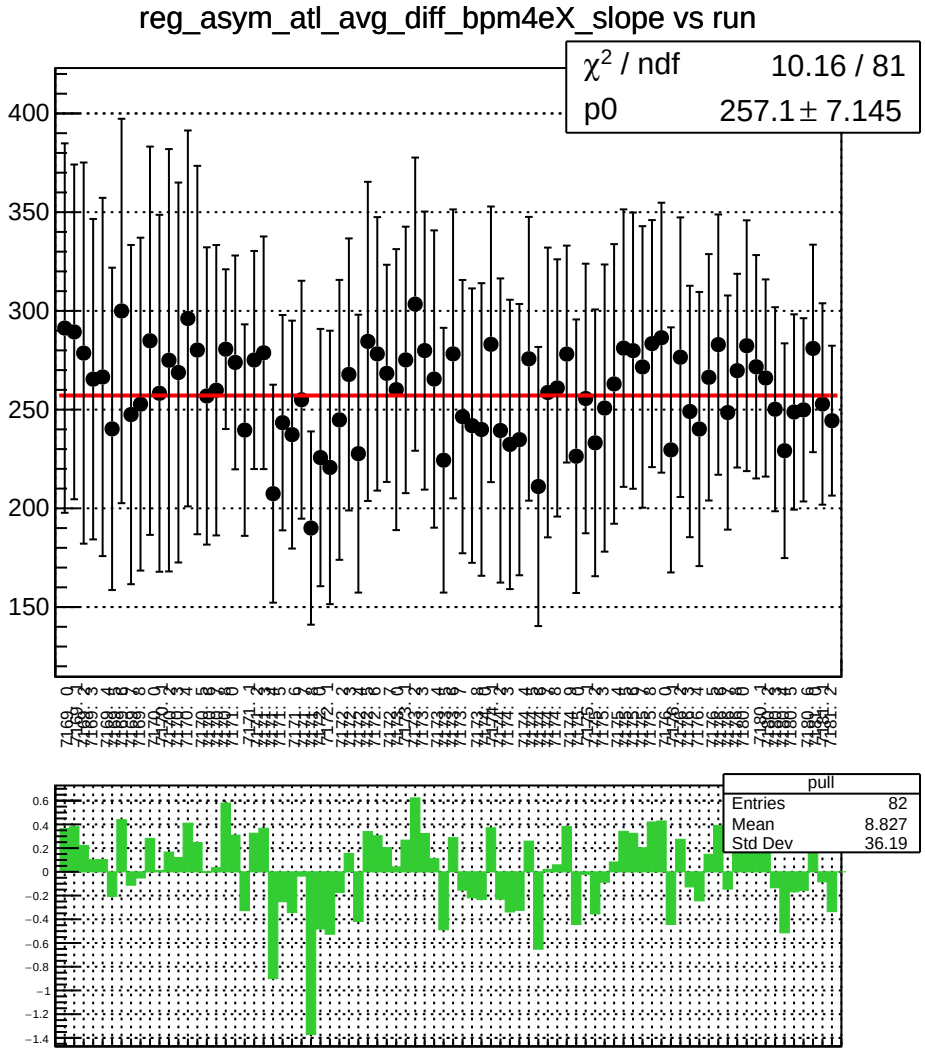

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 9.954 / 81
p0 −260.2 ± 0.4636
pull
Entries 82
Mean −81.76
Std Dev 121.5
pull1D
Entries 82
Mean 0.001949
Std Dev 0.3484

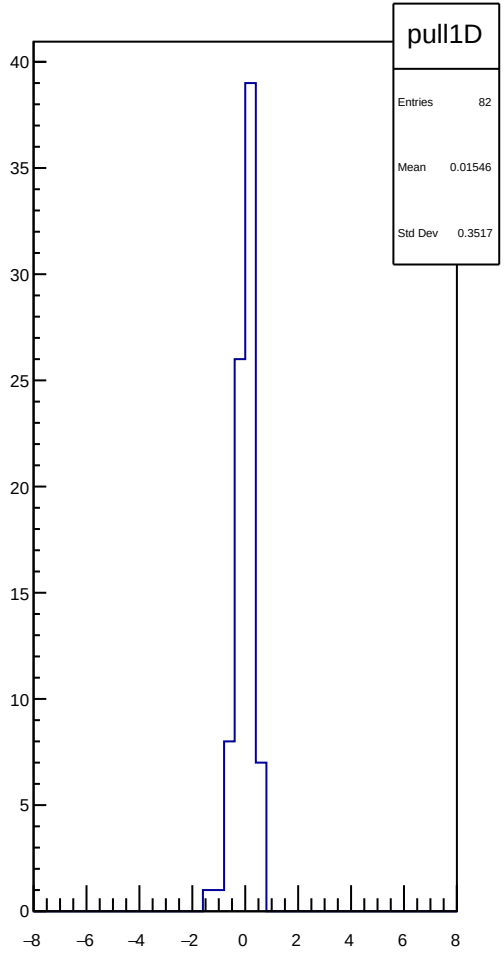

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 10.37 / 81
p0 −273.2 ± 7.149
pull
Entries 82
Mean 12.51
Std Dev 40.39

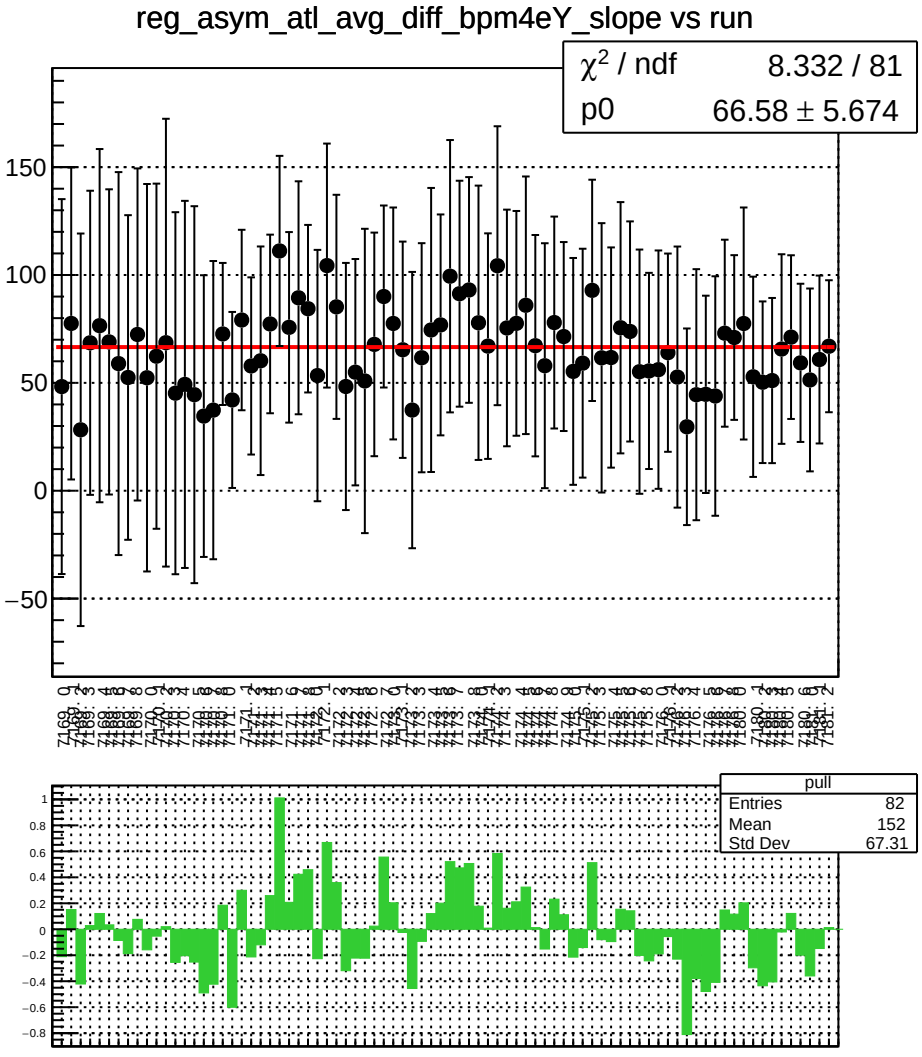

pull1D
Entries 82
Mean −0.01428
Std Dev 0.3554

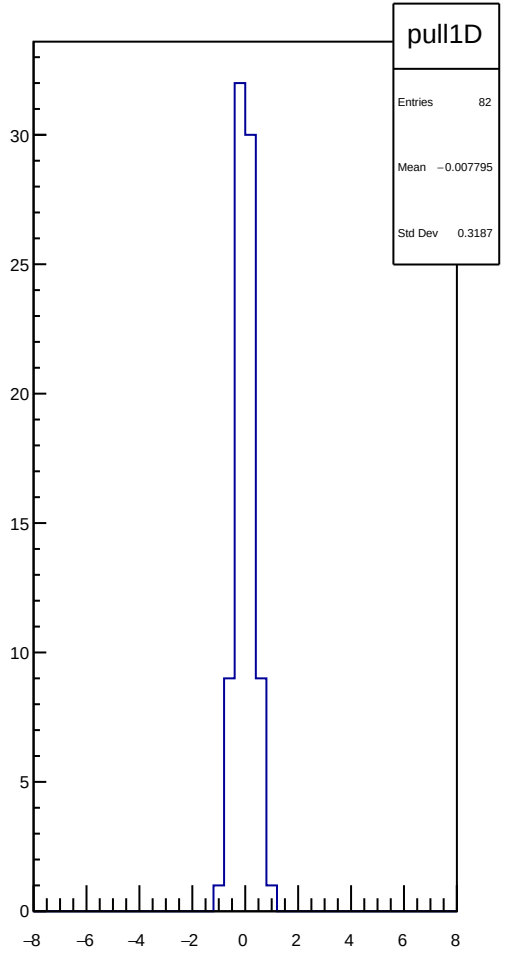

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 7.766 / 81
p0 5.488 ± 5.081
pull
Entries 82
Mean 70.48
Std Dev 50.34

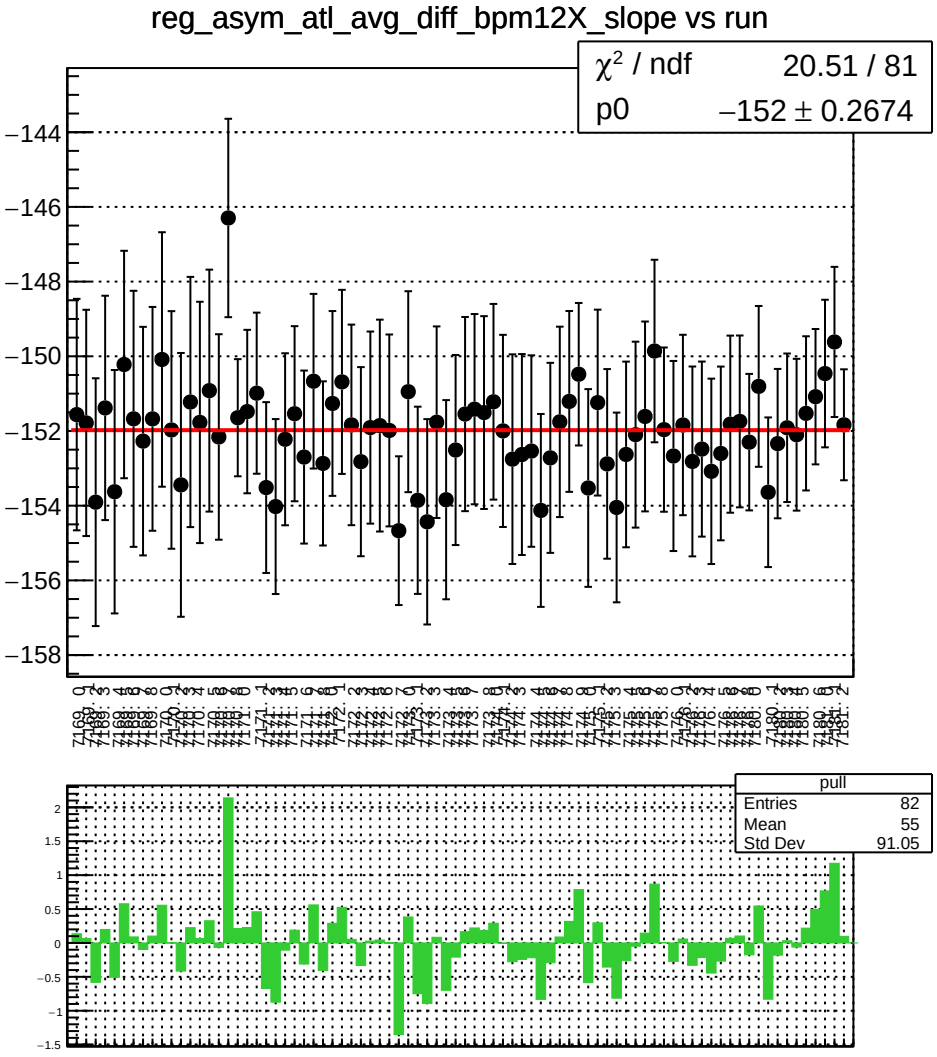

pull1D
Entries 82
Mean 0.0148
Std Dev 0.3074

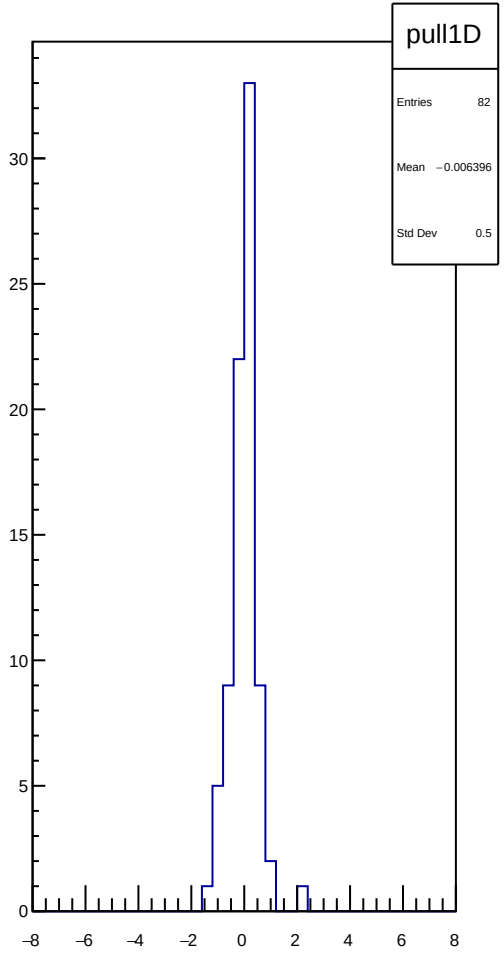

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 10.16 / 81
p0 257.1 ± 7.145
pull
Entries 82
Mean 8.827
Std Dev 36.19

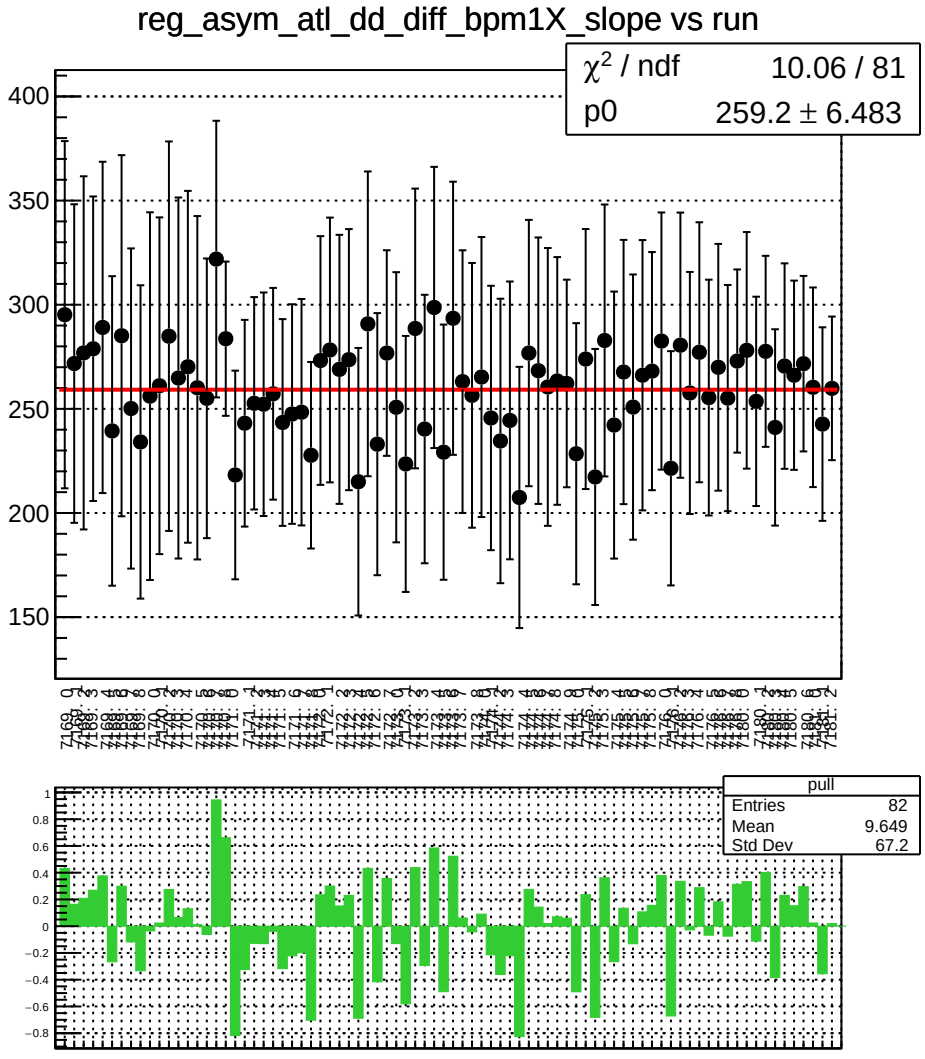

pull1D
Entries 82
Mean 0.01546
Std Dev 0.3517

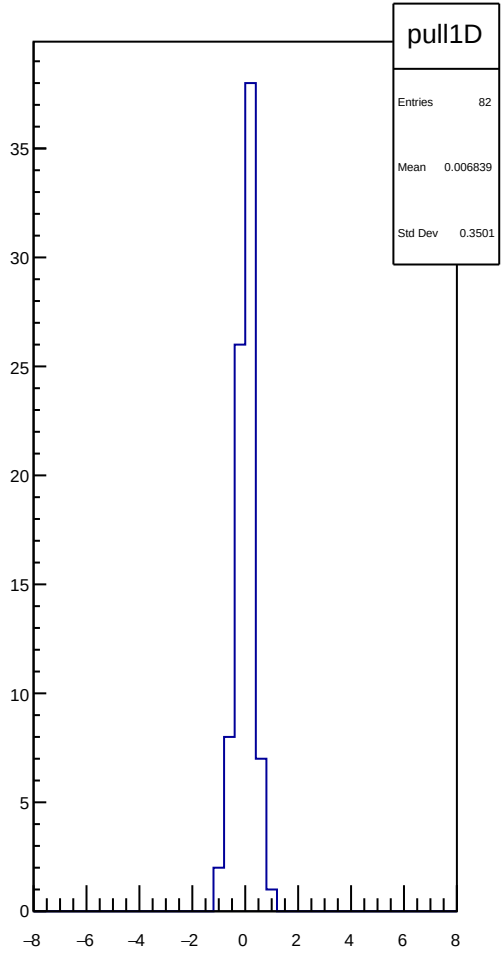

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 8.332 / 81
p0 66.58 ± 5.674
pull
Entries 82
Mean 152
Std Dev 67.31

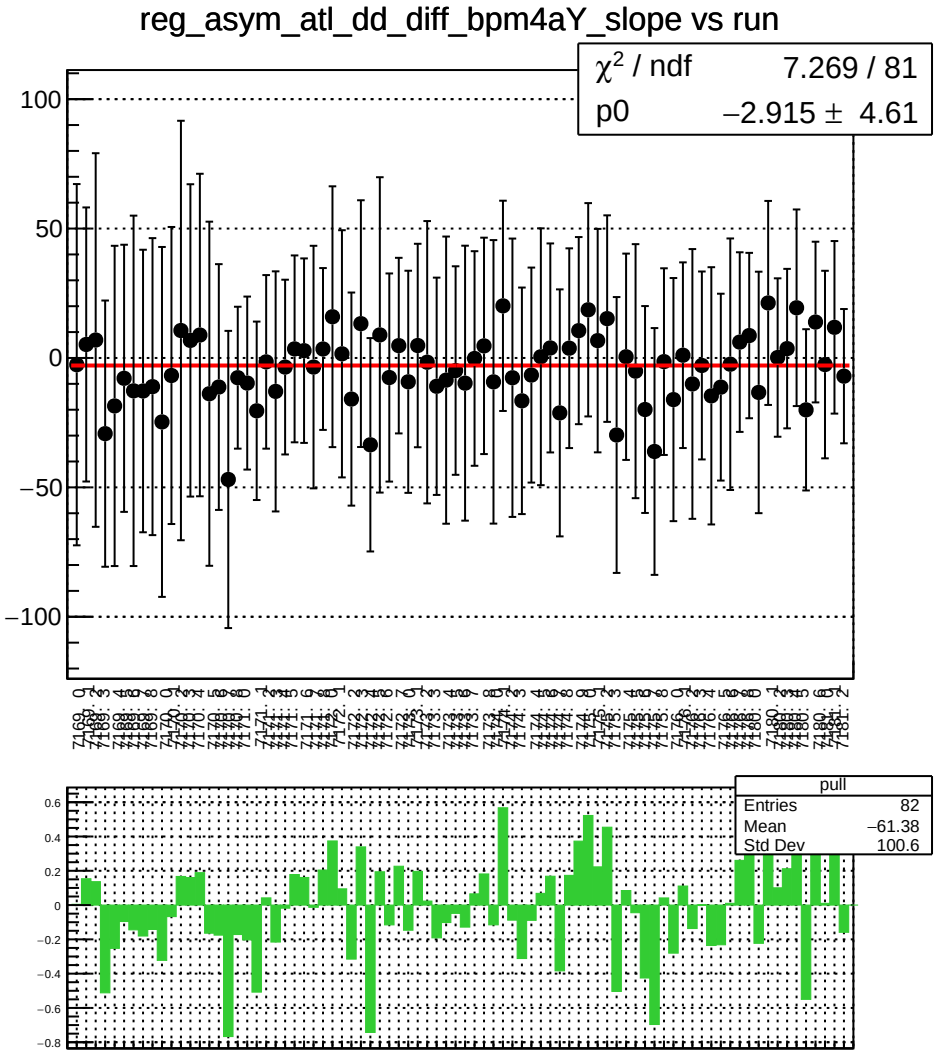

pull1D
Entries 82
Mean −0.007795
Std Dev 0.3187

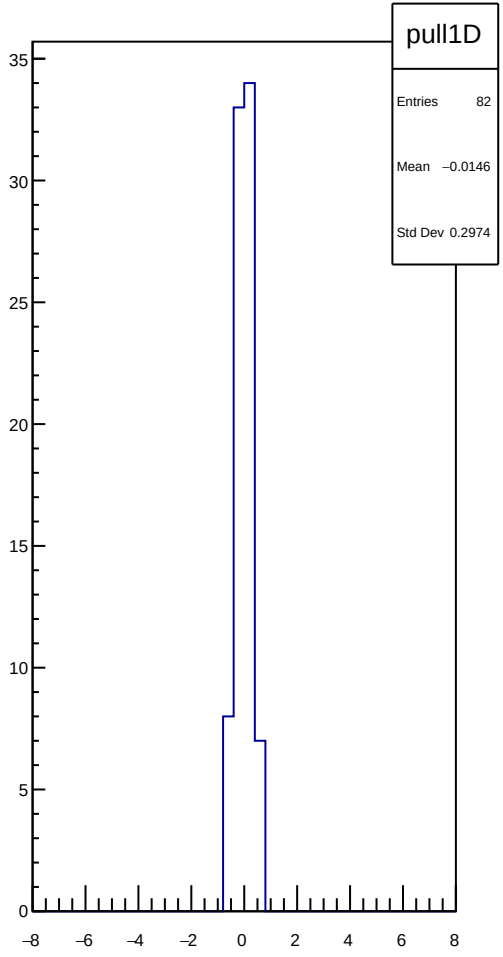

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.51 / 81
p0 −152 ± 0.2674
pull
Entries 82
Mean 55
Std Dev 91.05

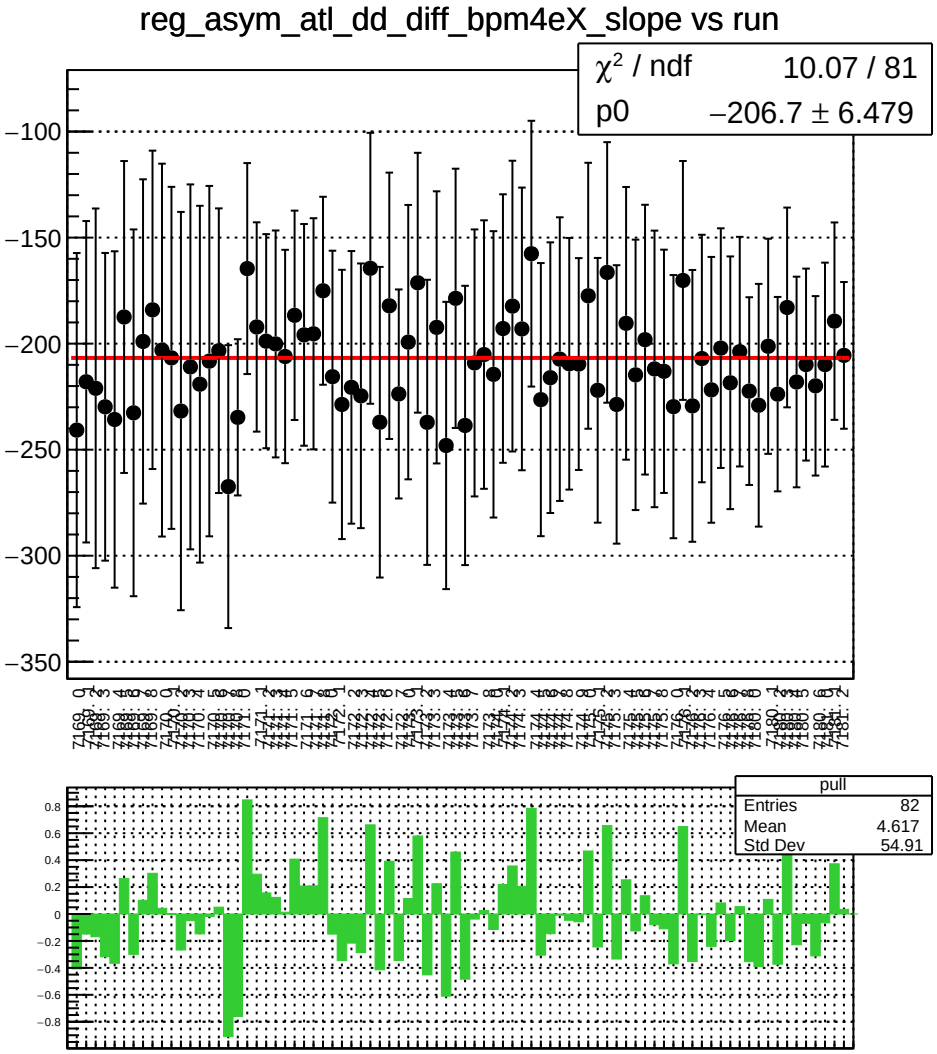

pull1D
Entries 82
Mean −0.006396
Std Dev 0.5

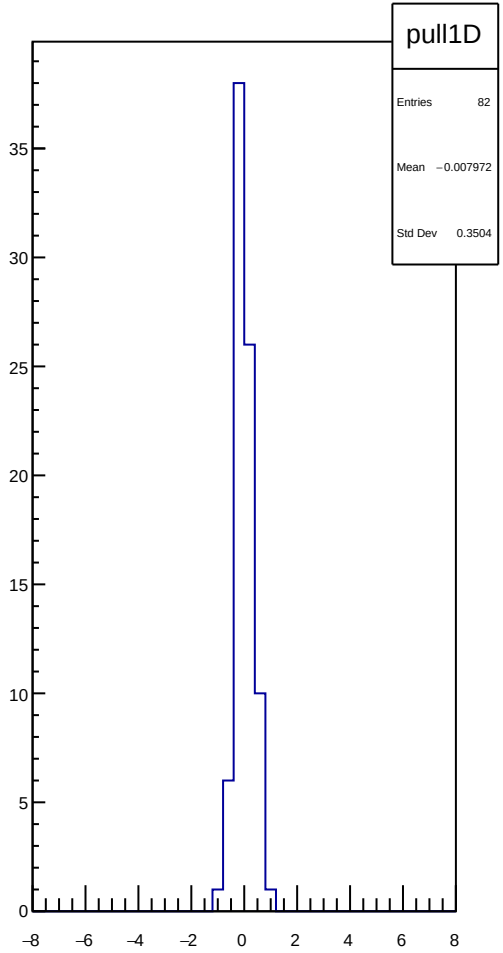

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.06 / 81
p0 259.2 ± 6.483
pull
Entries 82
Mean 9.649
Std Dev 67.2

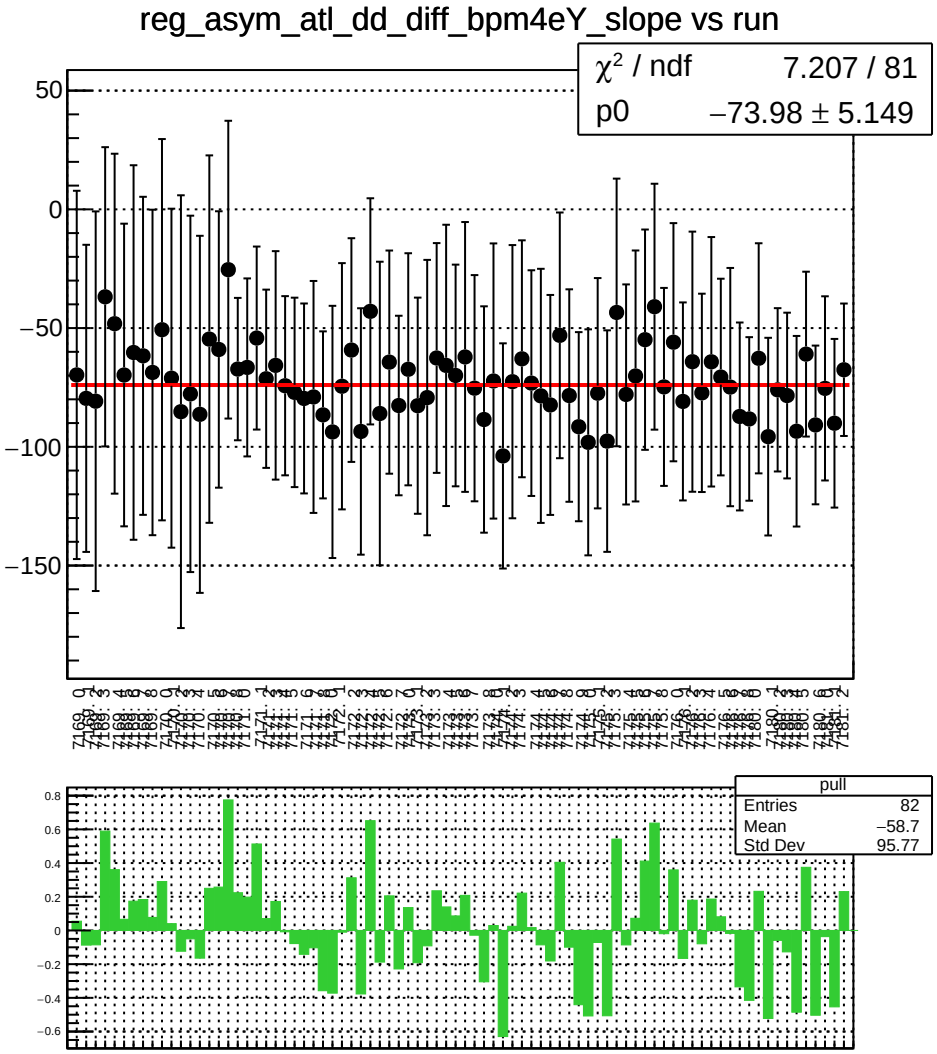

pull1D
Entries 82
Mean 0.006839
Std Dev 0.3501

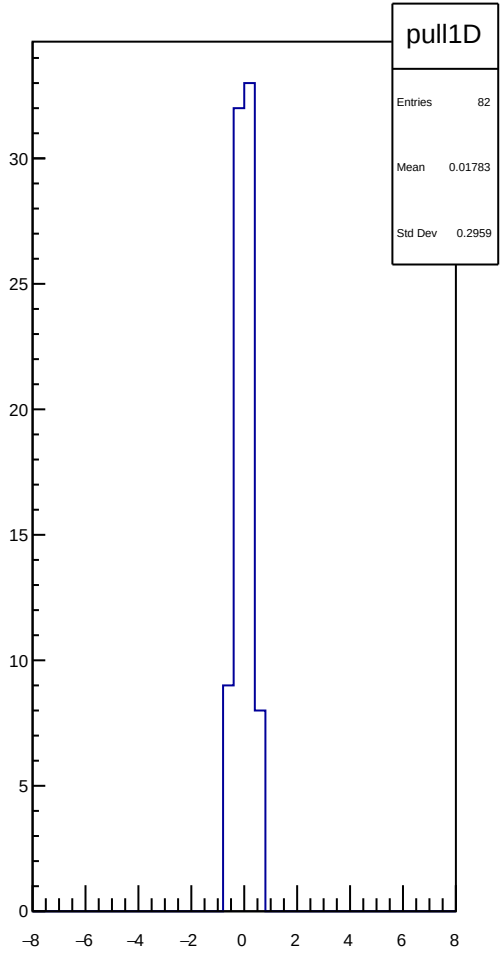

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.269 / 81
p0 −2.915 ± 4.61
pull
Entries 82
Mean −61.38
Std Dev 100.6

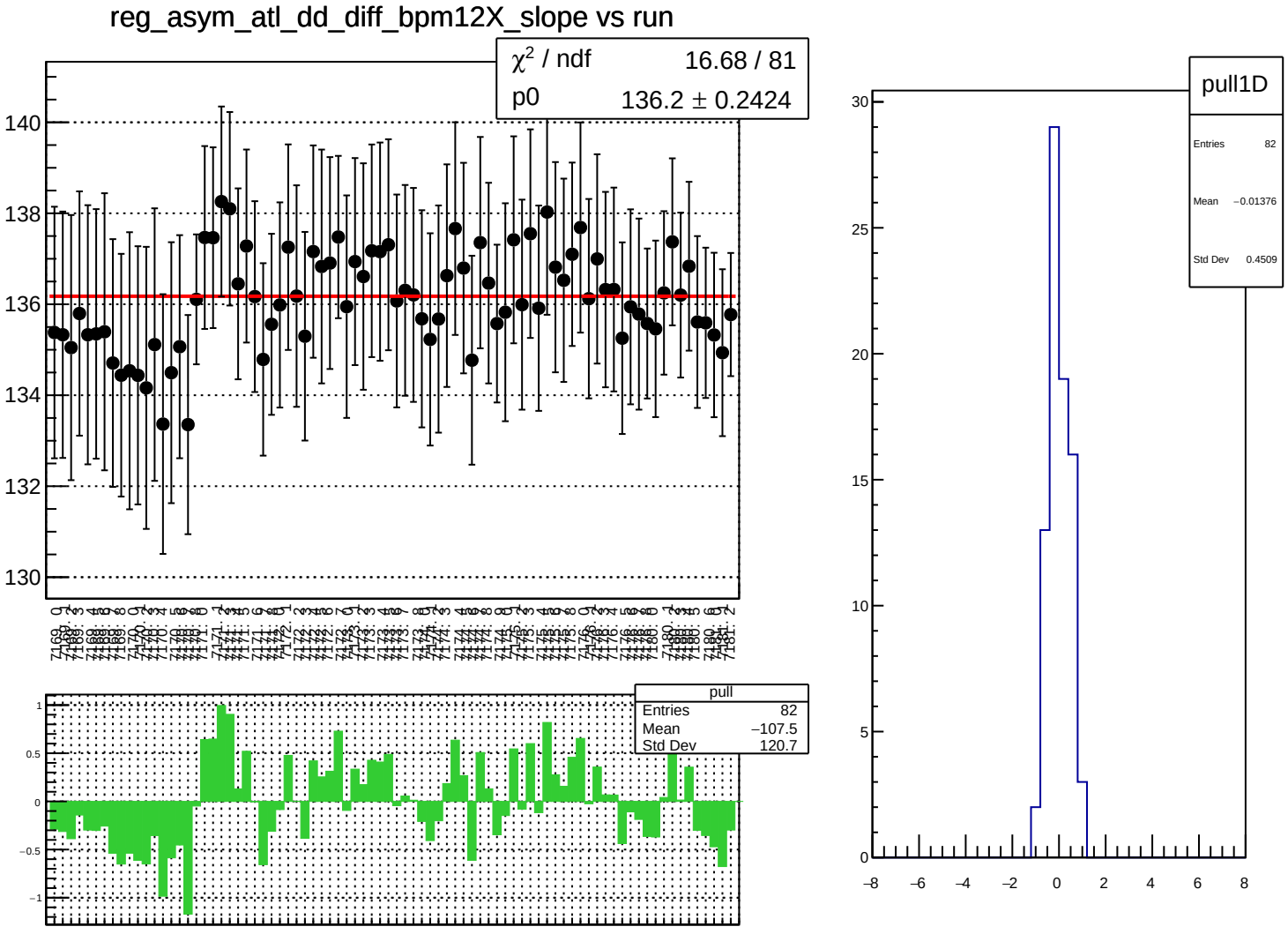

pull1D
Entries 82
Mean −0.0146
Std Dev 0.2974

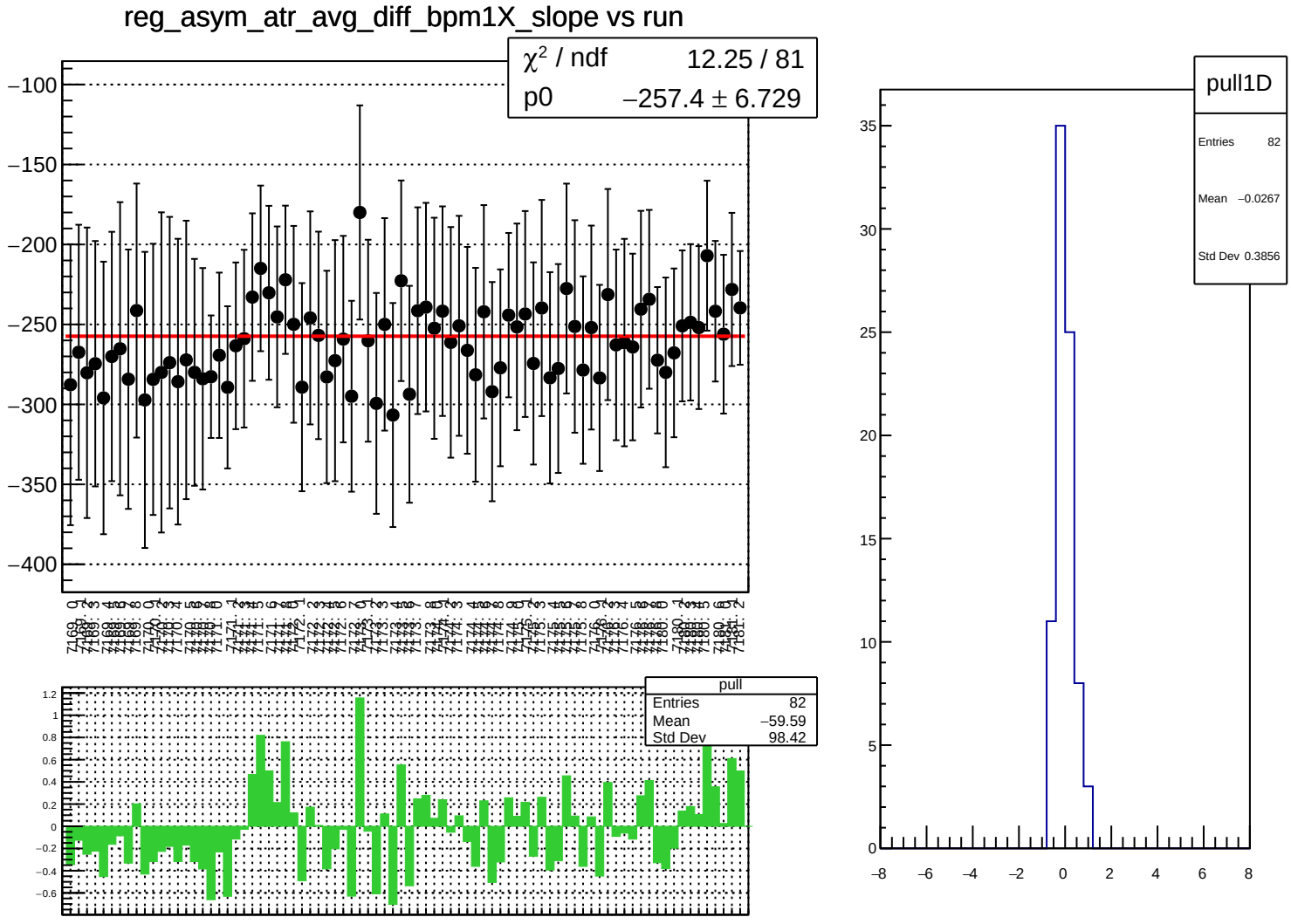

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.07 / 81
p0 −206.7 ± 6.479
pull
Entries 82
Mean 4.617
Std Dev 54.91

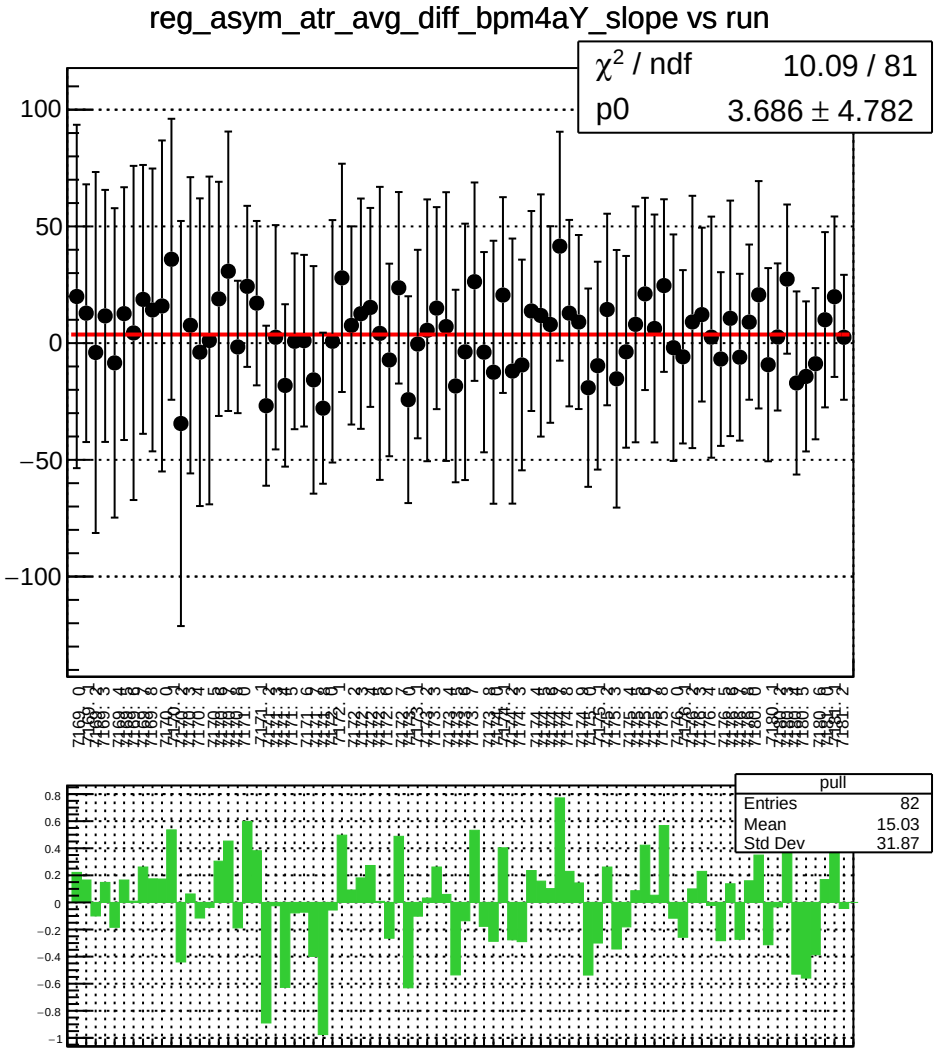

pull1D
Entries 82
Mean −0.007972
Std Dev 0.3504

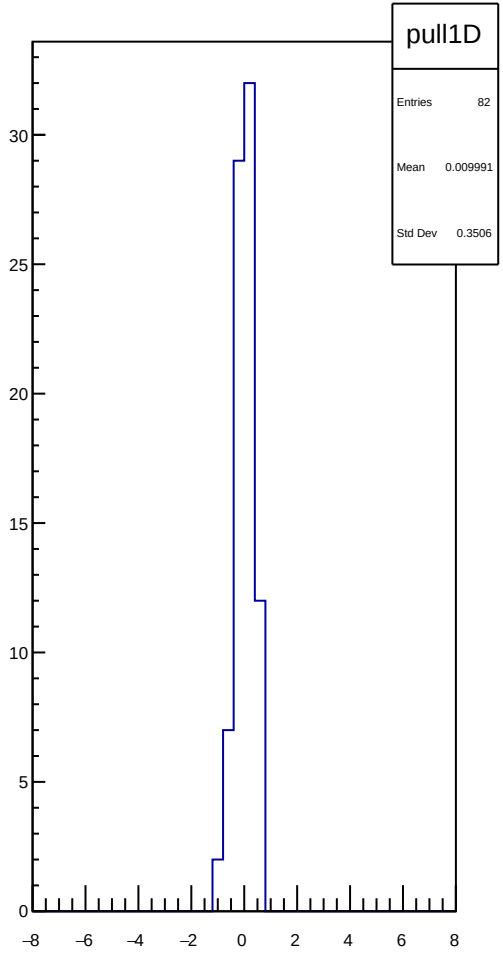

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.207 / 81
p0 −73.98 ± 5.149
pull
Entries 82
Mean −58.7
Std Dev 95.77

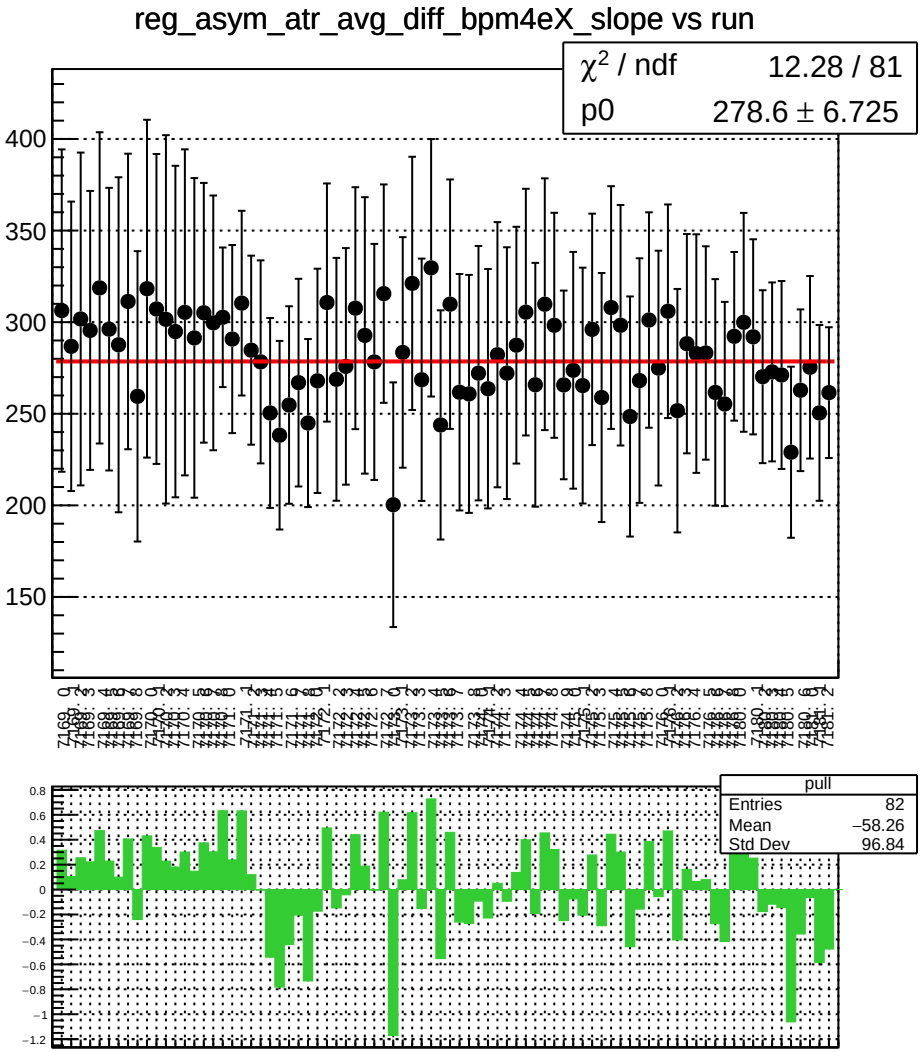

pull1D
Entries 82
Mean 0.01783
Std Dev 0.2959

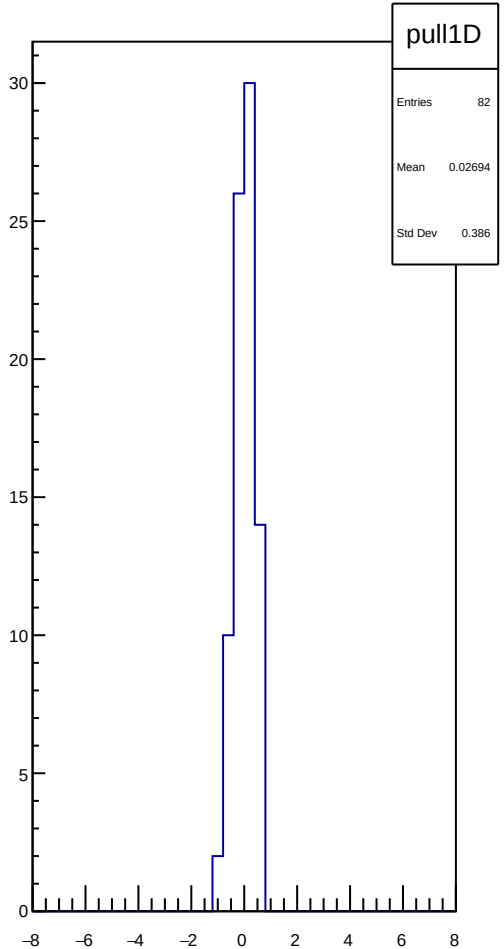

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.68 / 81
p0 136.2 ± 0.2424
140
138
136
134
132
130
pull
Entries 82
Mean −107.5
Std Dev 120.7
1
0.5
0
−0.5
−1
pull1D
Entries 82
Mean −0.01376
Std Dev 0.4509
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

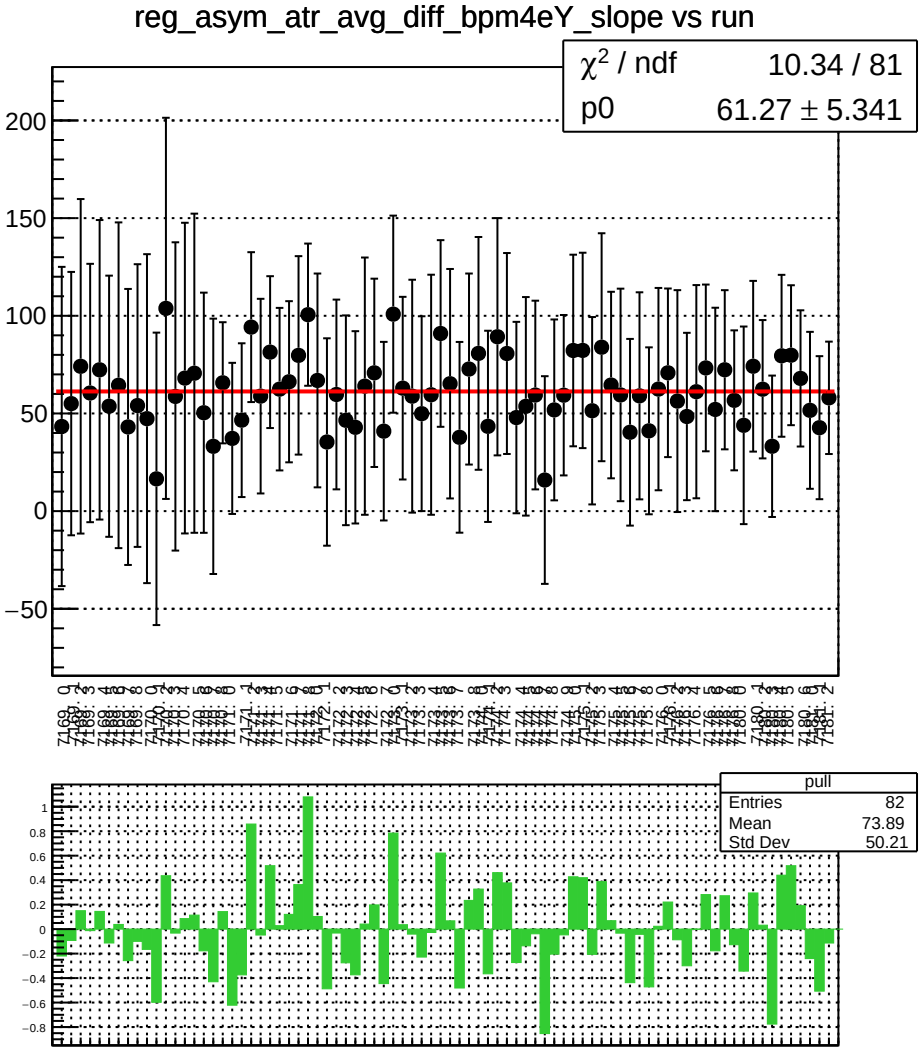

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 12.25 / 81
p0 −257.4 ± 6.729
pull
Entries 82
Mean −59.59
Std Dev 98.42
pull1D
Entries 82
Mean −0.0267
Std Dev 0.3856

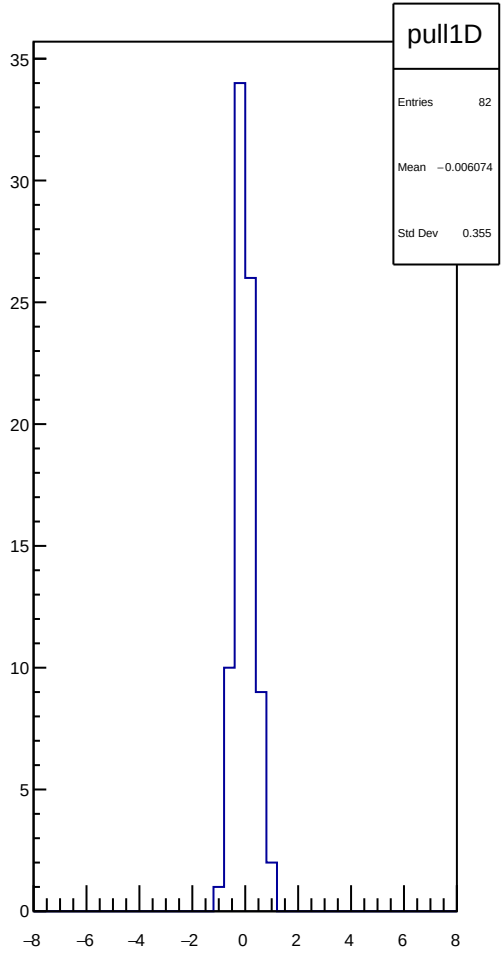

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.09 / 81
p0 3.686 ± 4.782
pull
Entries 82
Mean 15.03
Std Dev 31.87

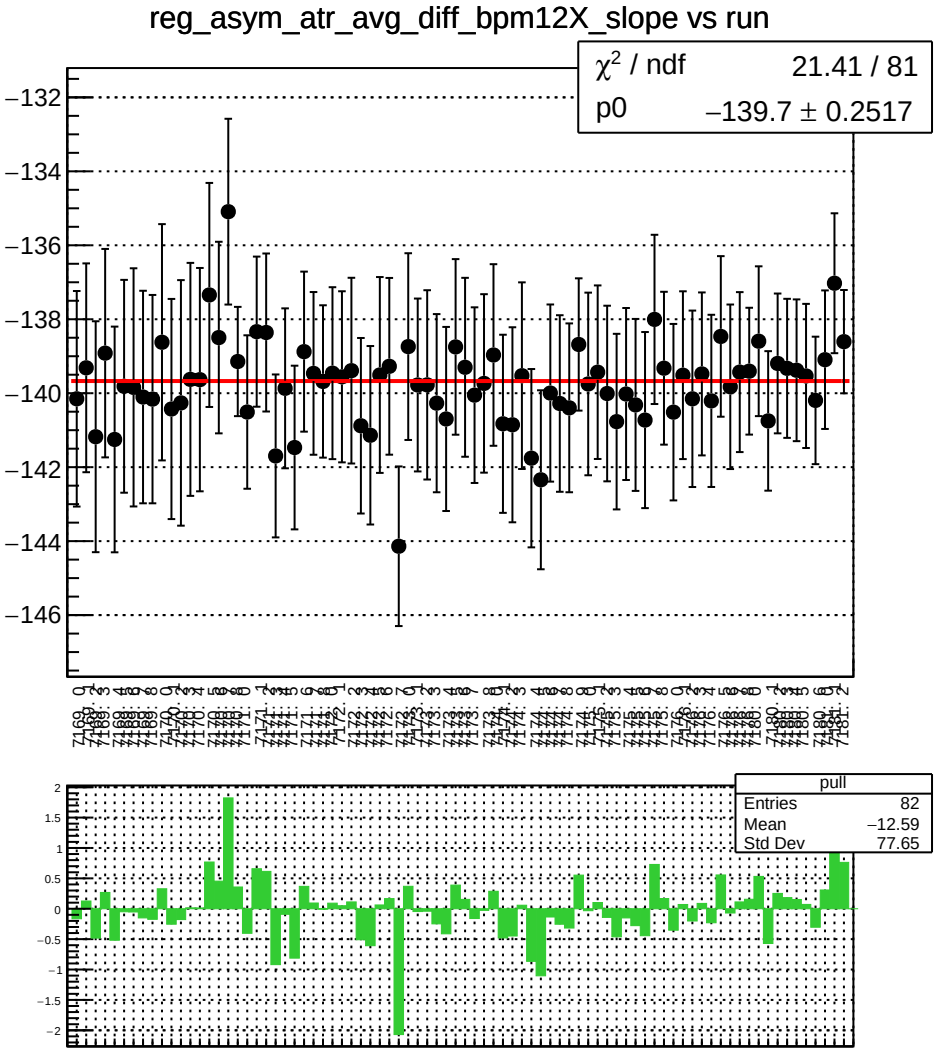

pull1D
Entries 82
Mean 0.009991
Std Dev 0.3506

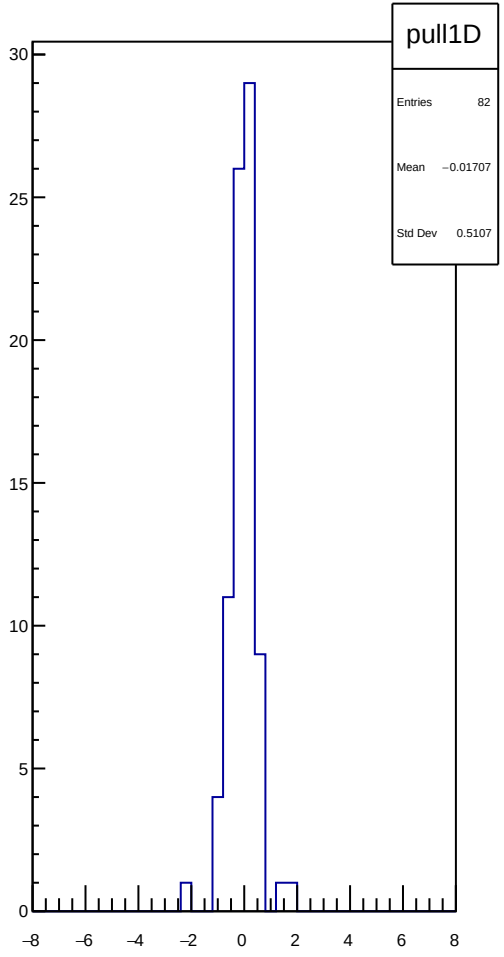

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.28 / 81
p0 278.6 ± 6.725
pull
Entries 82
Mean −58.26
Std Dev 96.84

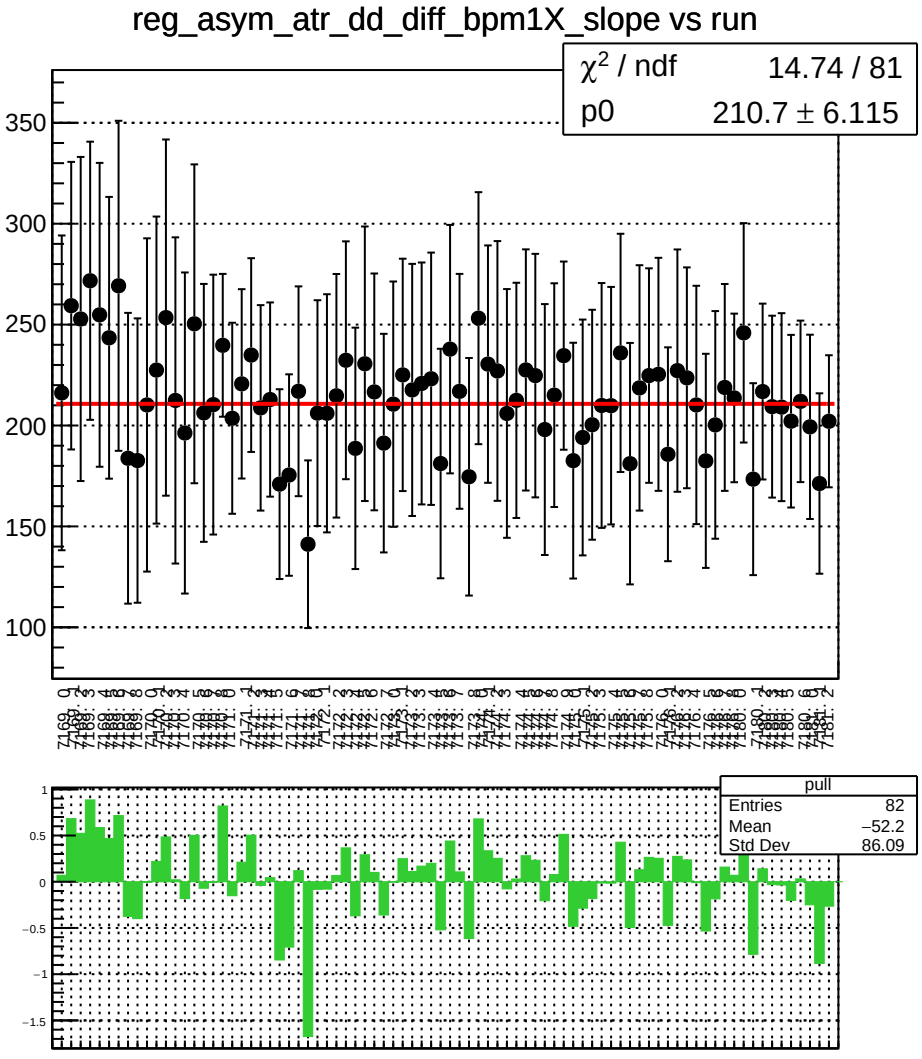

pull1D
Entries 82
Mean 0.02694
Std Dev 0.386

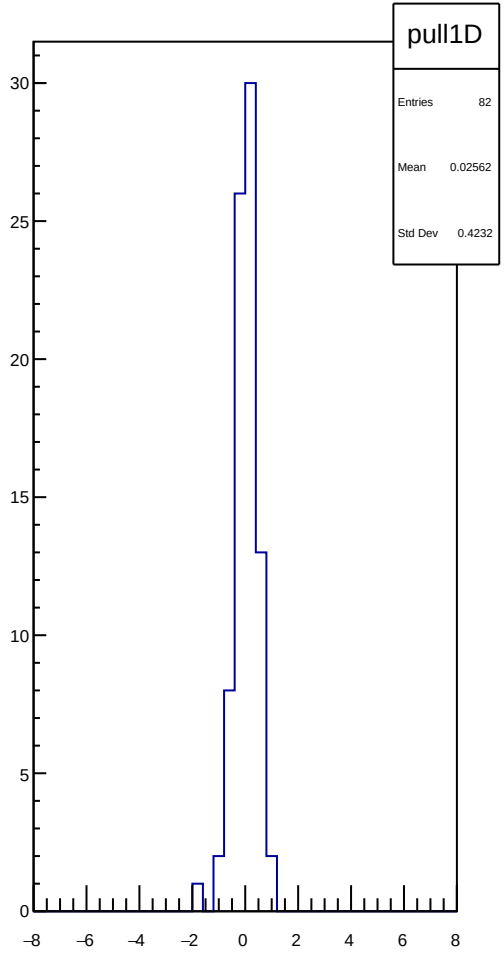

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.34 / 81
p0 61.27 ± 5.341
pull
Entries 82
Mean 73.89
Std Dev 50.21

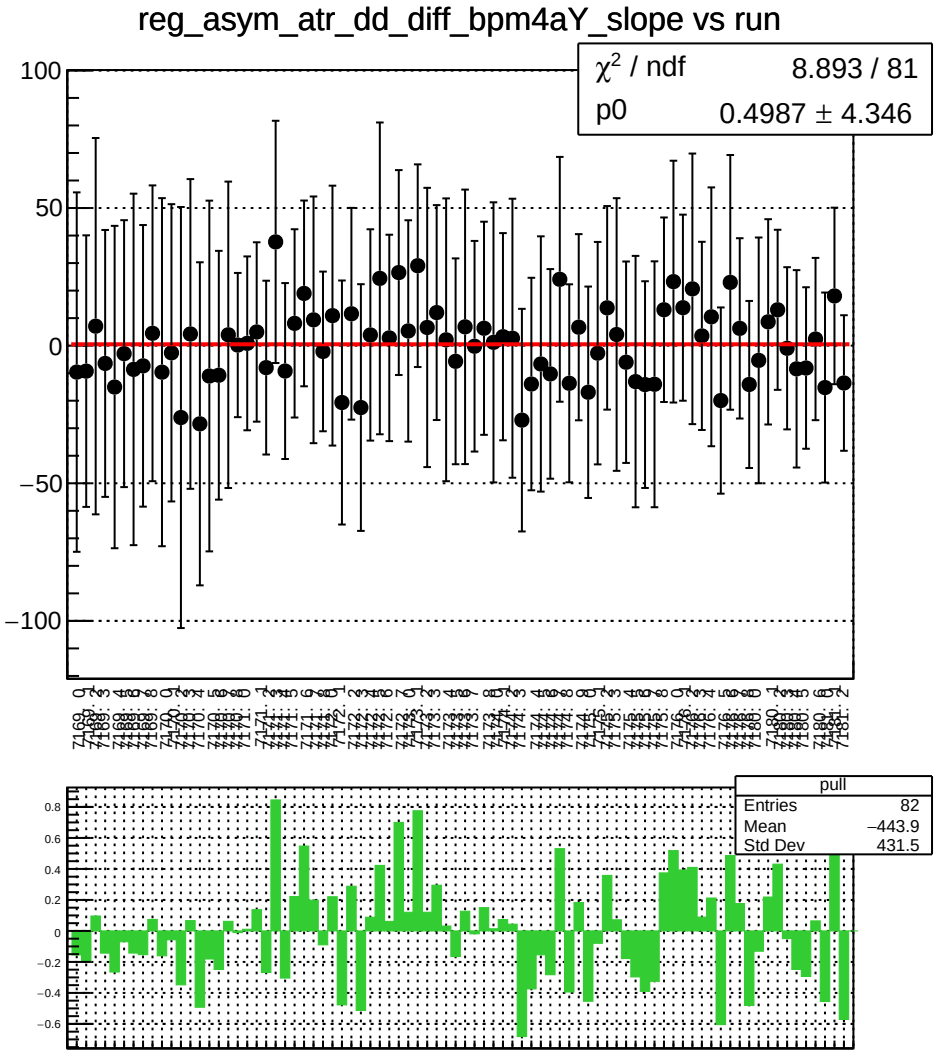

pull1D
Entries 82
Mean −0.006074
Std Dev 0.355

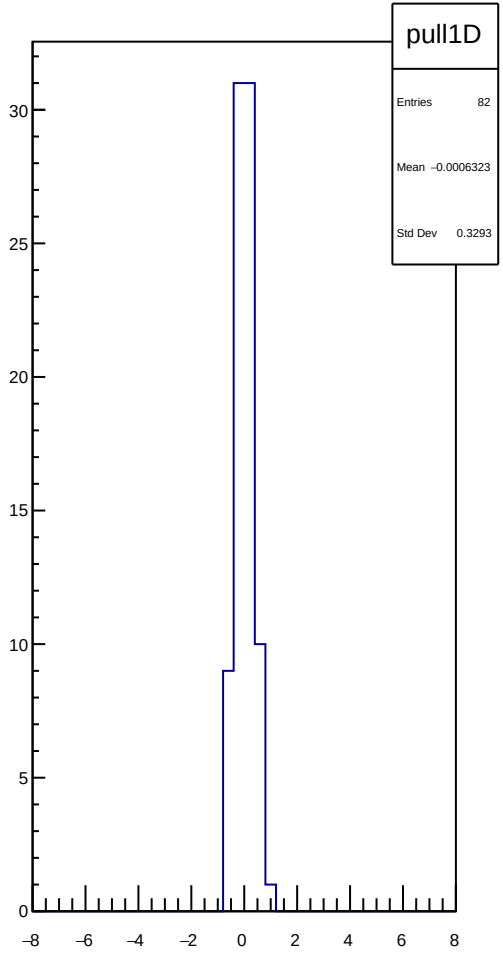

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.41 / 81
p0 −139.7 ± 0.2517
pull
Entries 82
Mean −12.59
Std Dev 77.65

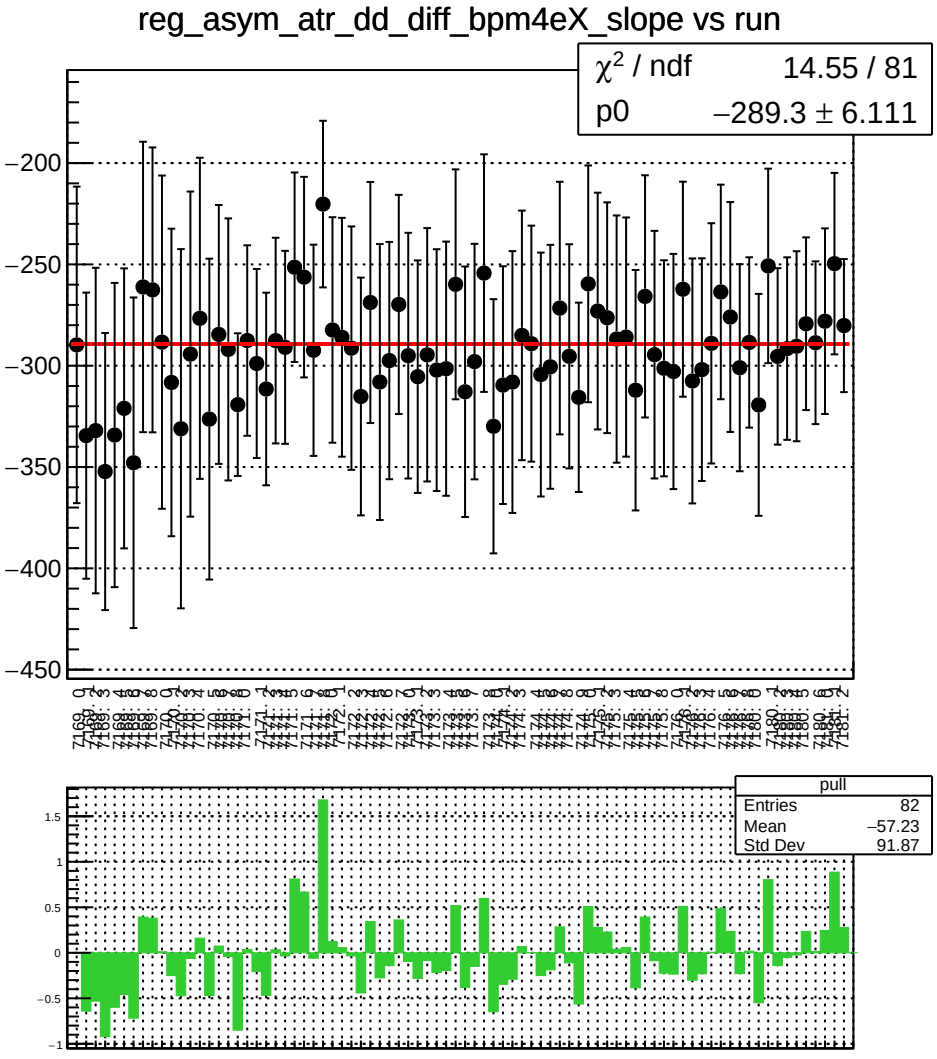

pull1D
Entries 82
Mean −0.01707
Std Dev 0.5107

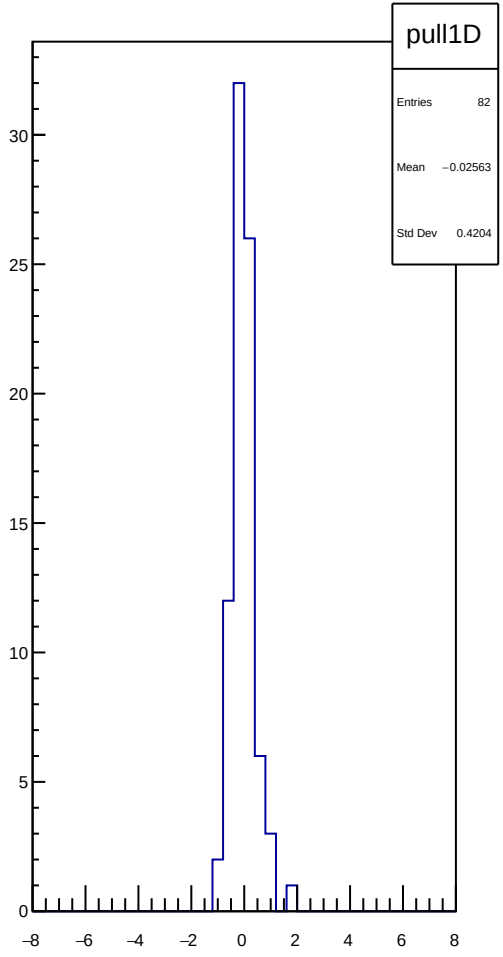

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 14.74 / 81
p0 210.7 ± 6.115
pull
Entries 82
Mean −52.2
Std Dev 86.09

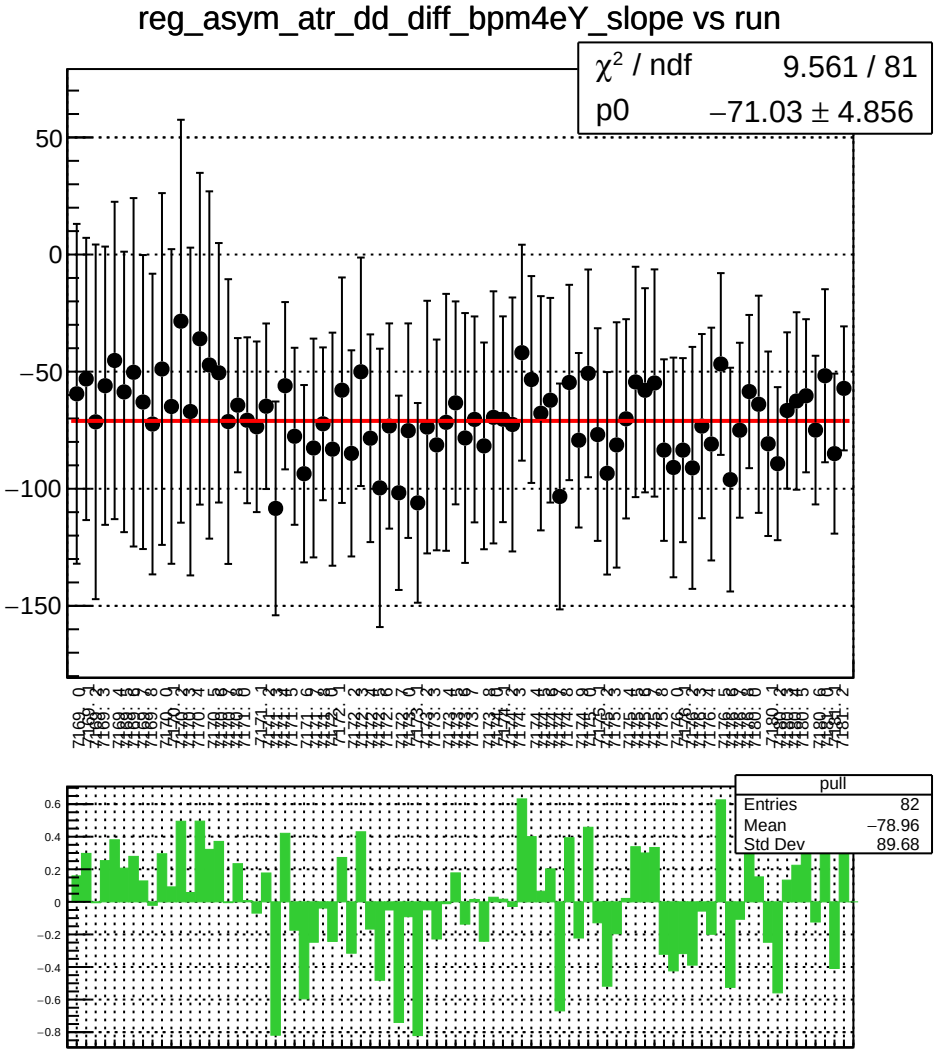

pull1D
Entries 82
Mean 0.02562
Std Dev 0.4232

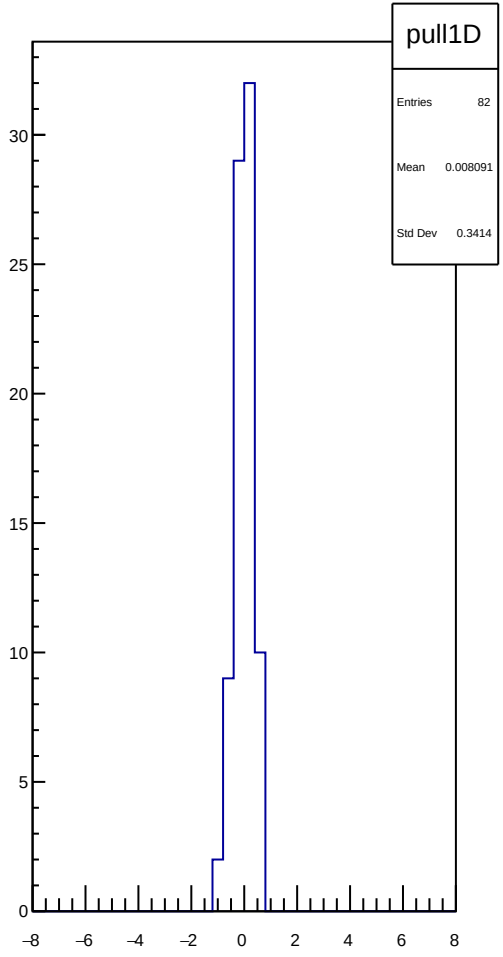

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.893 / 81
p0 0.4987 ± 4.346
pull
Entries 82
Mean −443.9
Std Dev 431.5

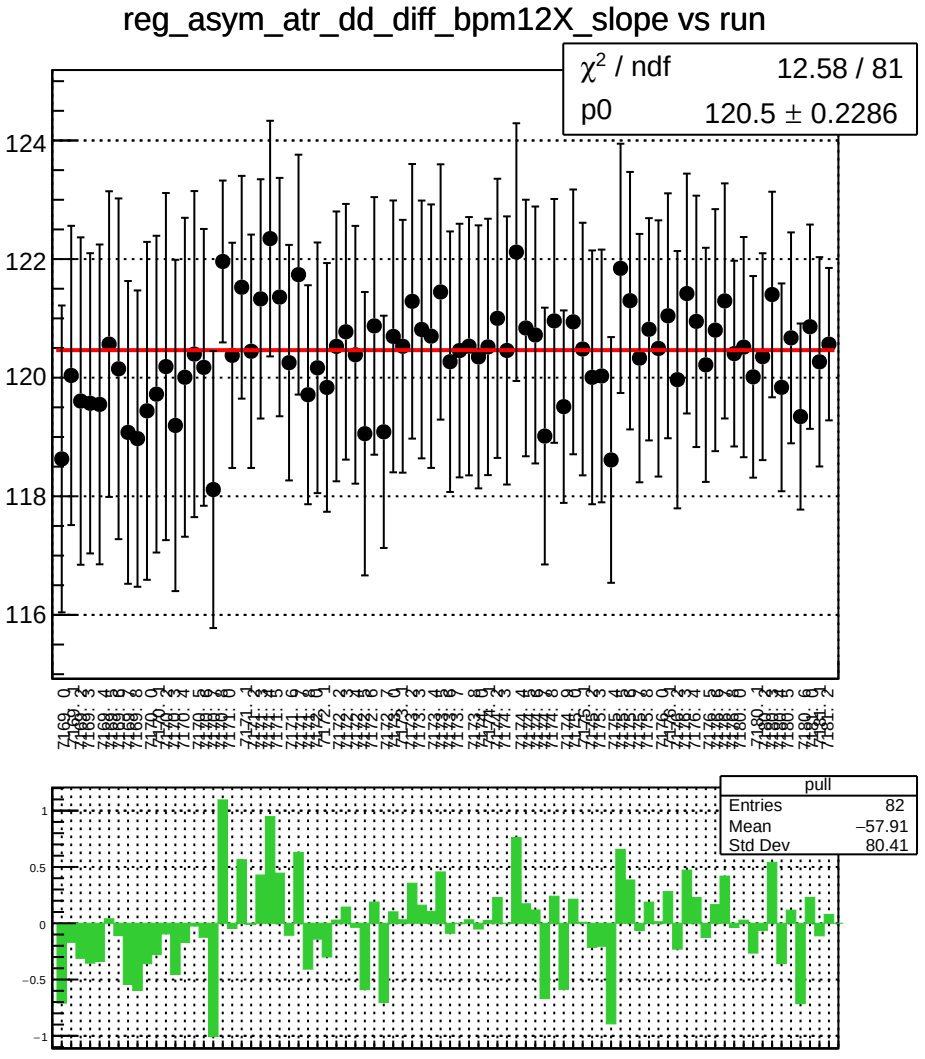

pull1D
Entries 82
Mean −0.0006323
Std Dev 0.3293

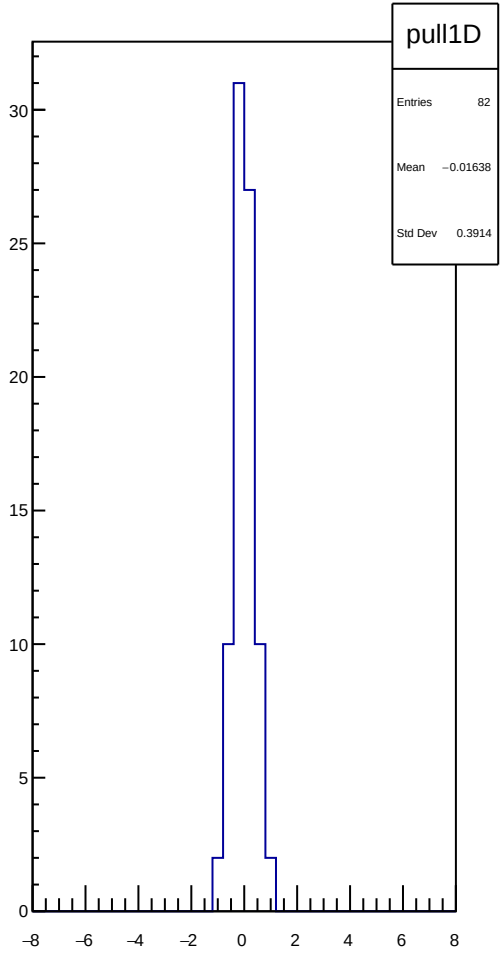

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 81
p0 −289.3 ± 6.111
pull
Entries 82
Mean −57.23
Std Dev 91.87

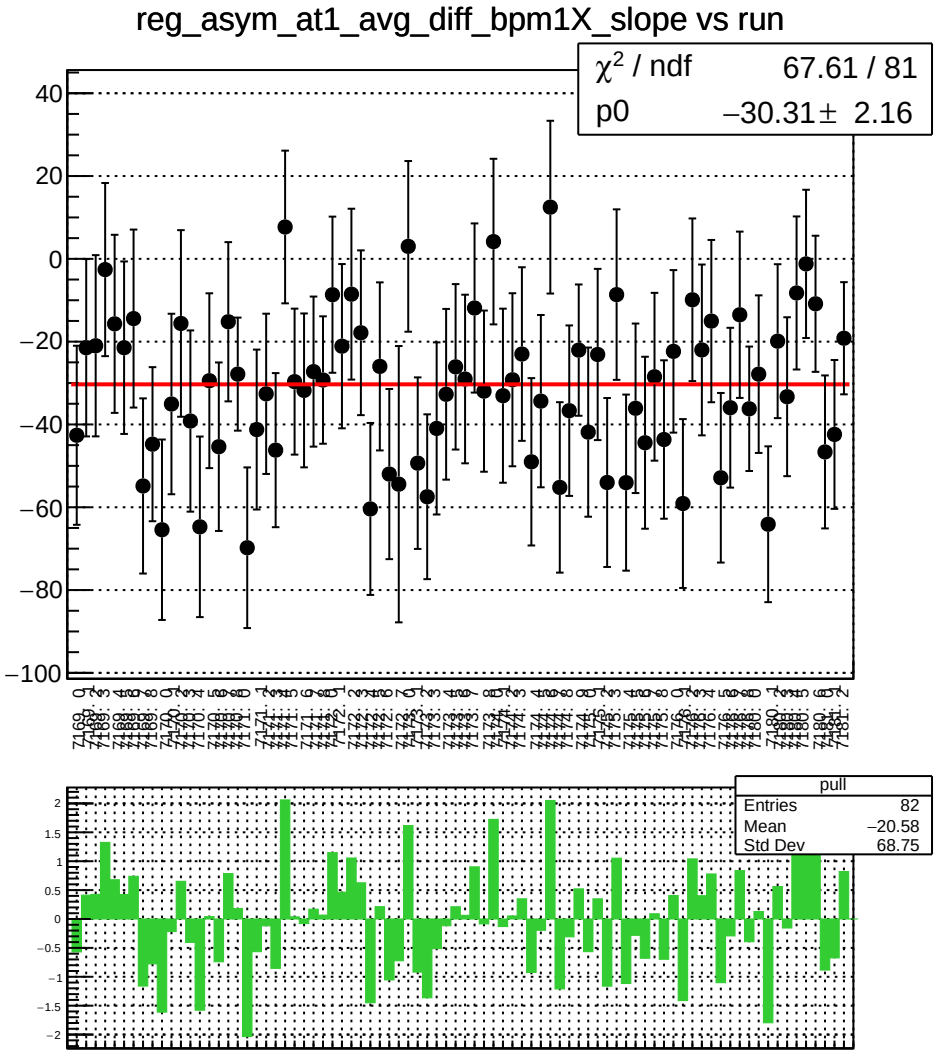

pull1D
Entries 82
Mean −0.02563
Std Dev 0.4204

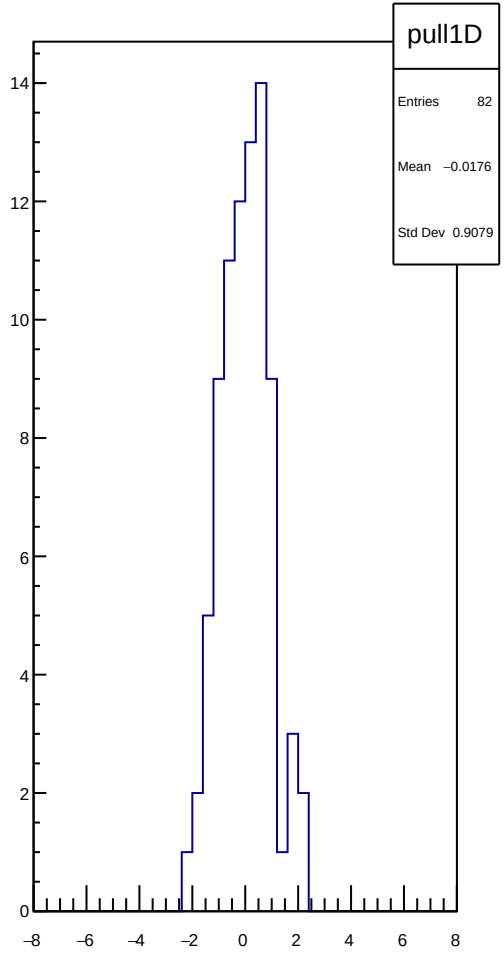

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.561 / 81
p0 −71.03 ± 4.856
pull
Entries 82
Mean −78.96
Std Dev 89.68

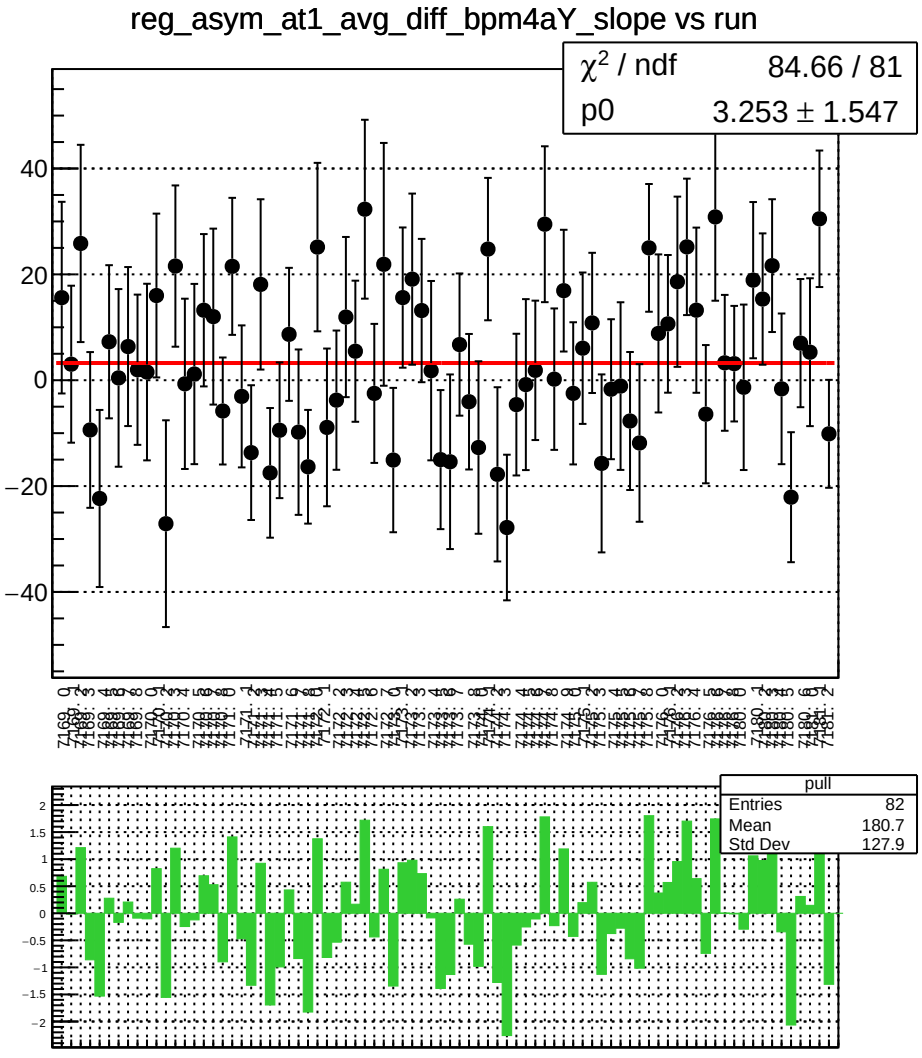

pull1D
Entries 82
Mean 0.008091
Std Dev 0.3414

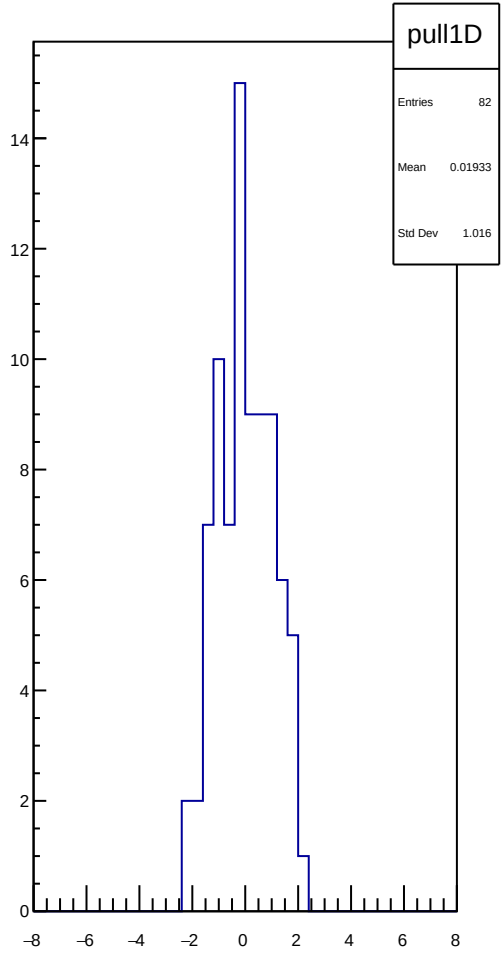

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.58 / 81
p0 120.5 ± 0.2286
124
122
120
118
116
pull
Entries 82
Mean −57.91
Std Dev 80.41
1
0.5
0
−0.5
−1

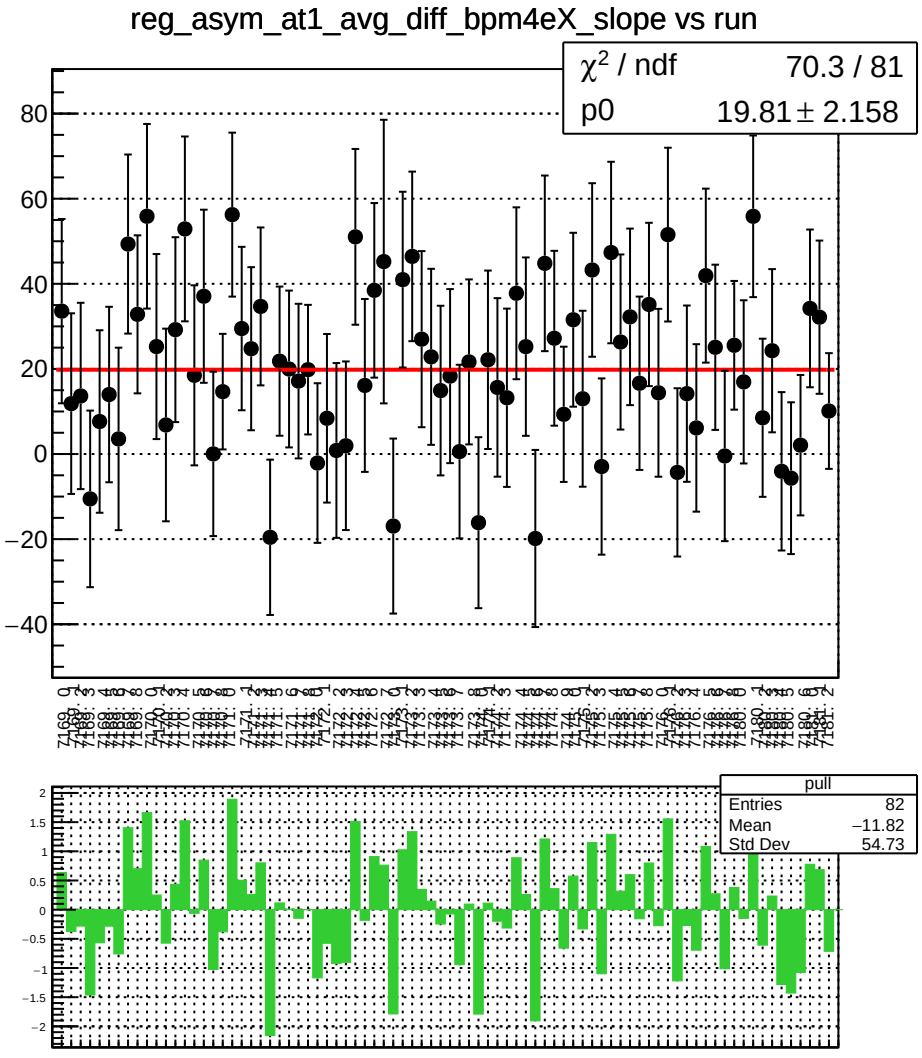

pull1D
Entries 82
Mean −0.01638
Std Dev 0.3914
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

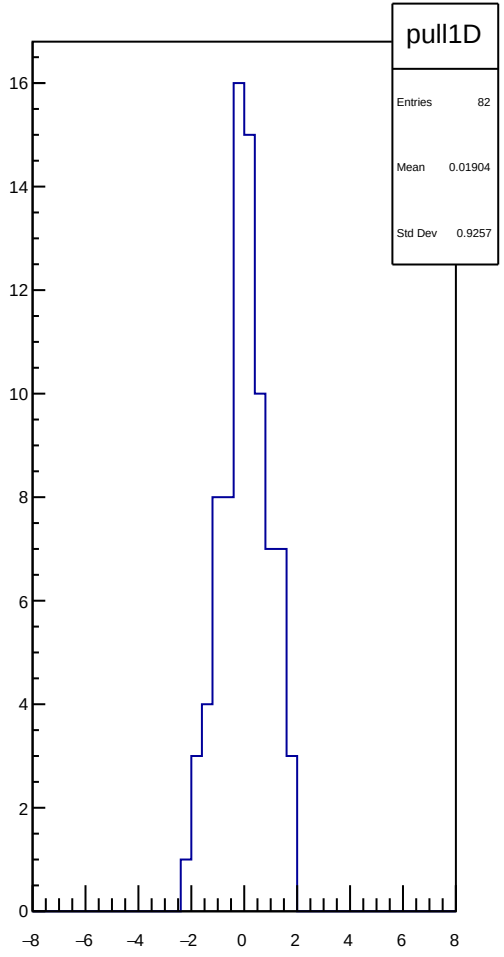

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 67.61 / 81
p0 −30.31 ± 2.16
pull
Entries 82
Mean −20.58
Std Dev 68.75

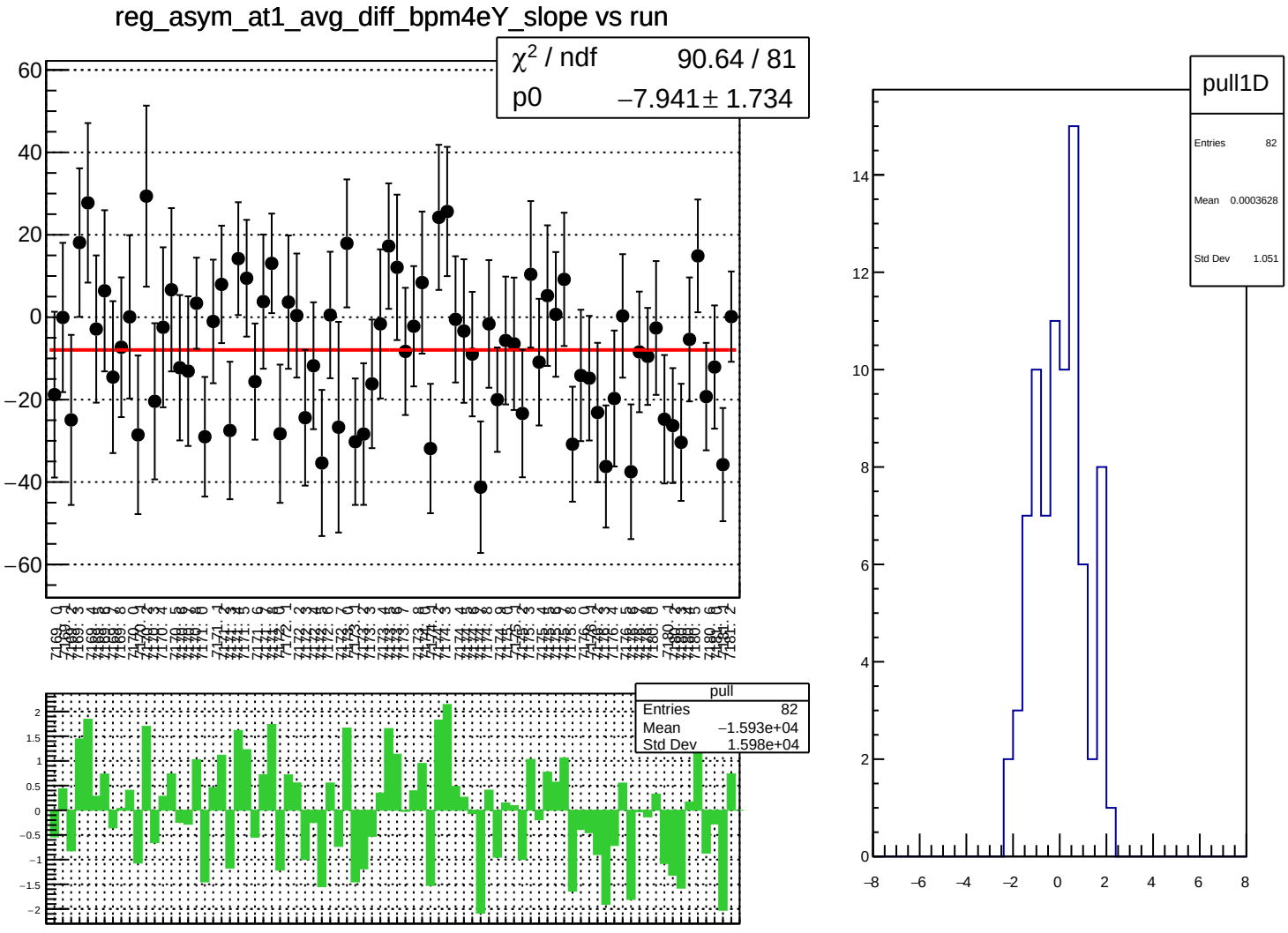

pull1D
Entries 82
Mean −0.0176
Std Dev 0.9079

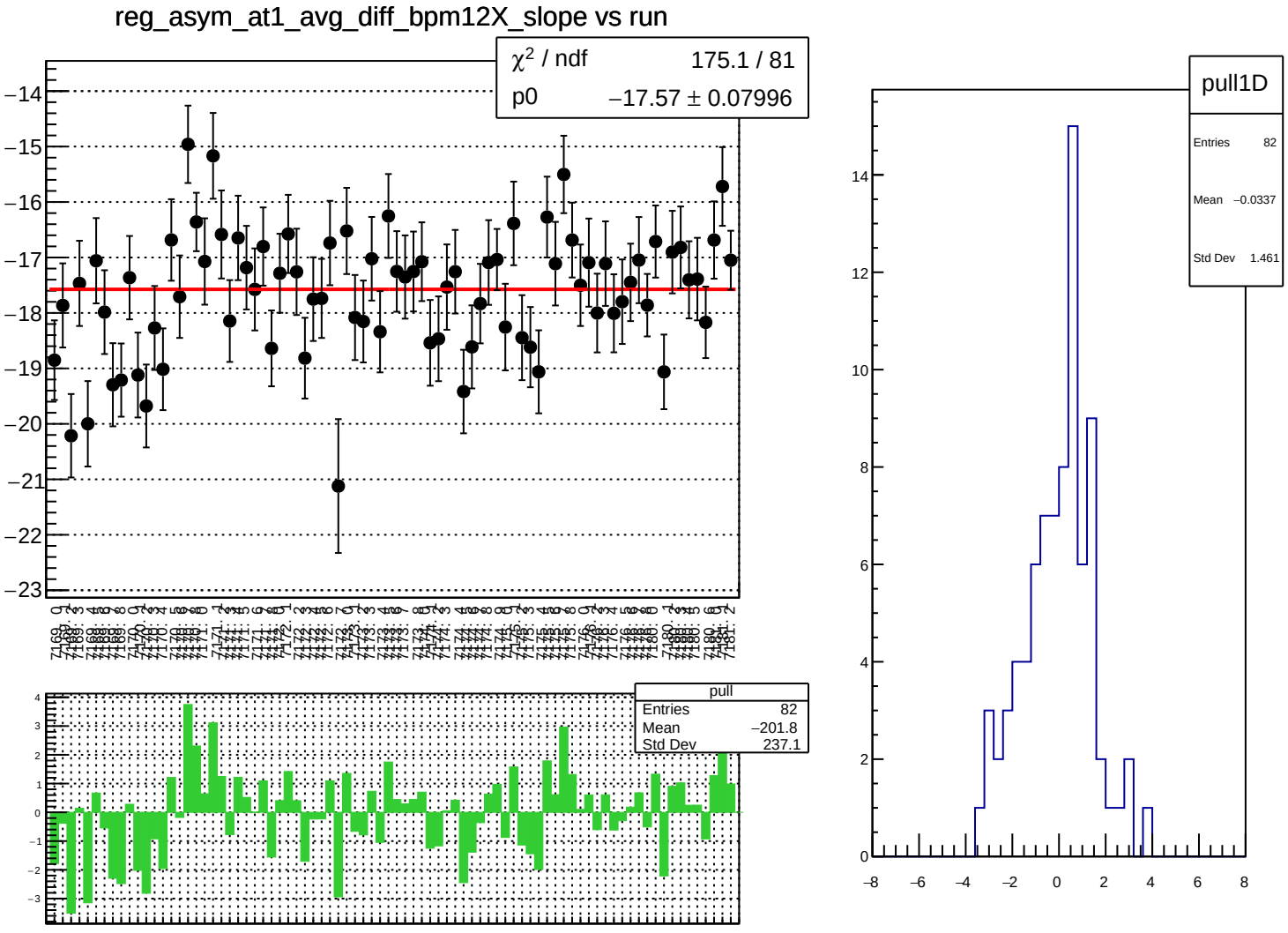

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 84.66 / 81
p0 3.253 ± 1.547
pull
Entries 82
Mean 180.7
Std Dev 127.9

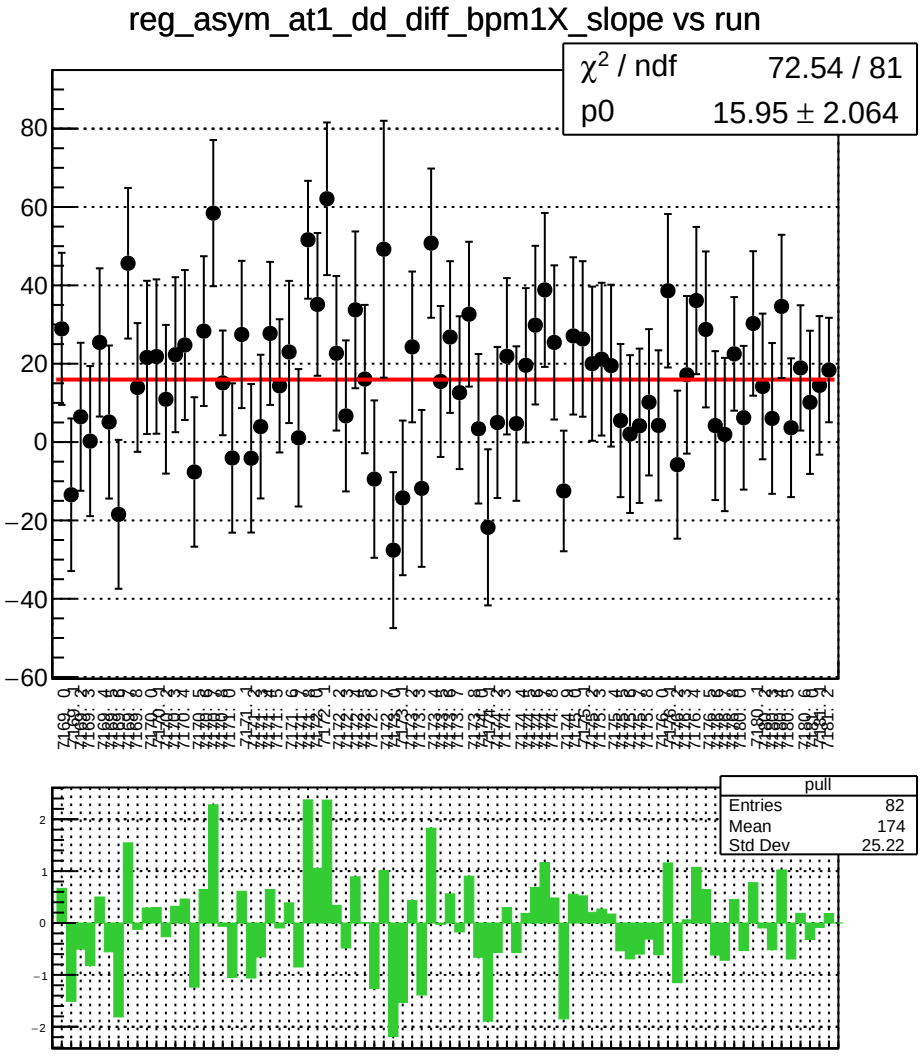

pull1D
Entries 82
Mean 0.01933
Std Dev 1.016

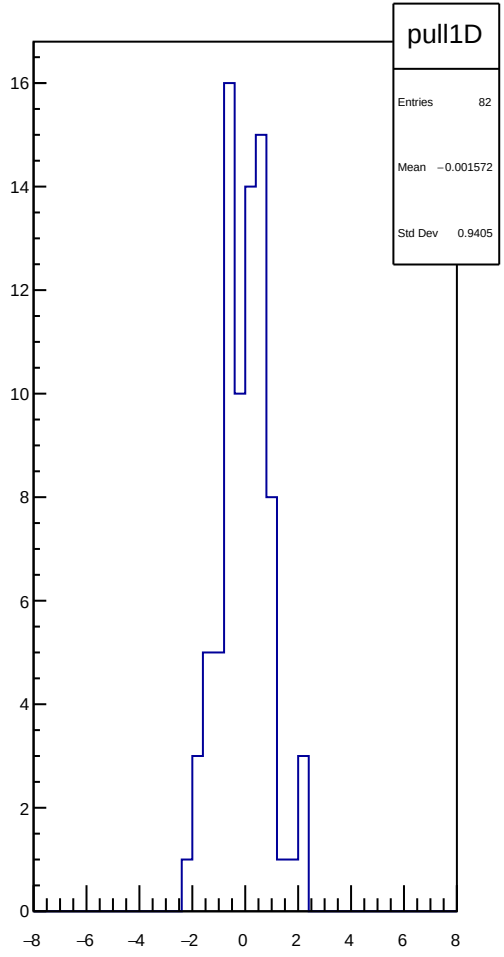

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 70.3 / 81
p0 19.81 ± 2.158
pull
Entries 82
Mean −11.82
Std Dev 54.73

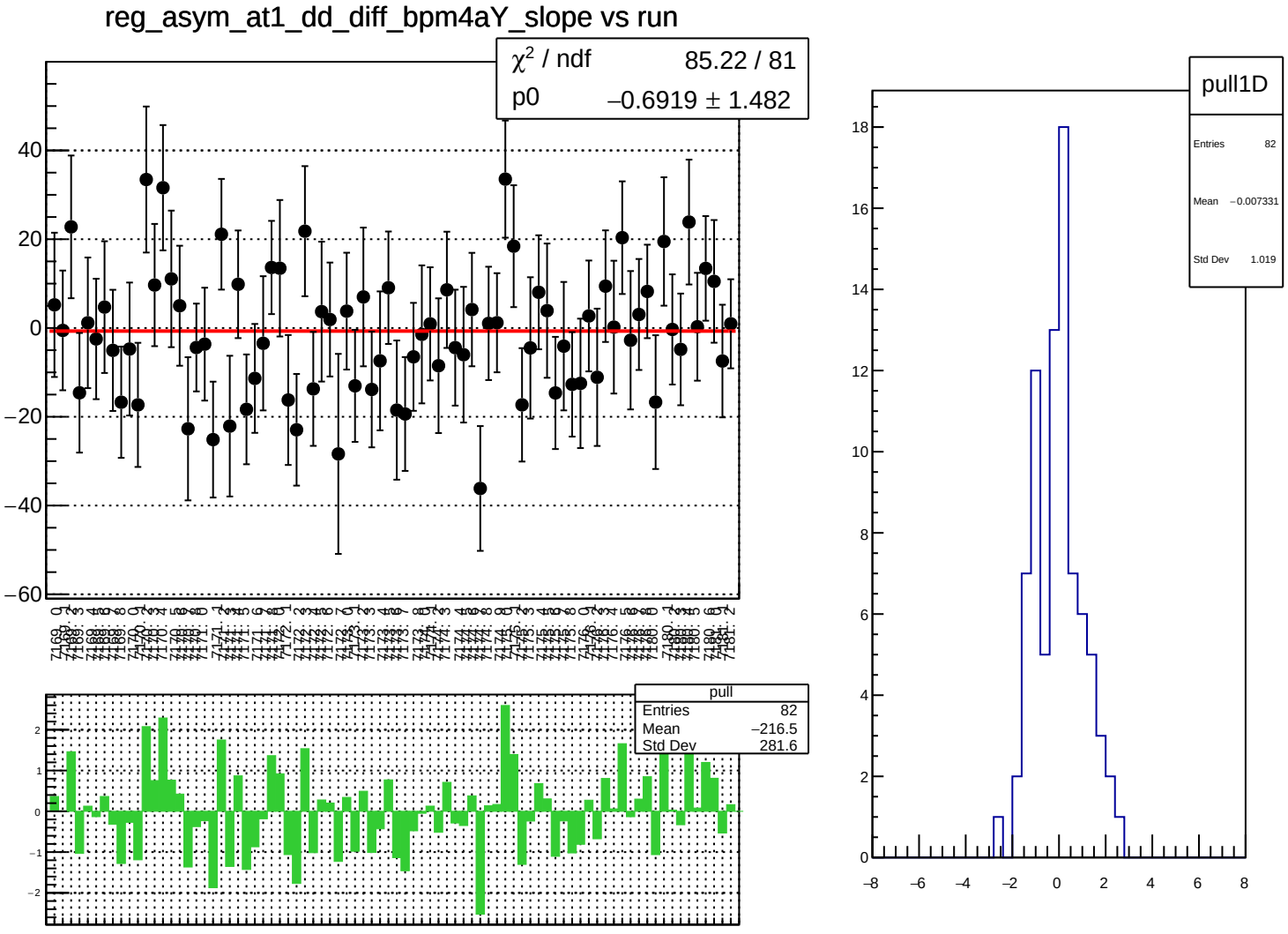

pull1D
Entries 82
Mean 0.01904
Std Dev 0.9257

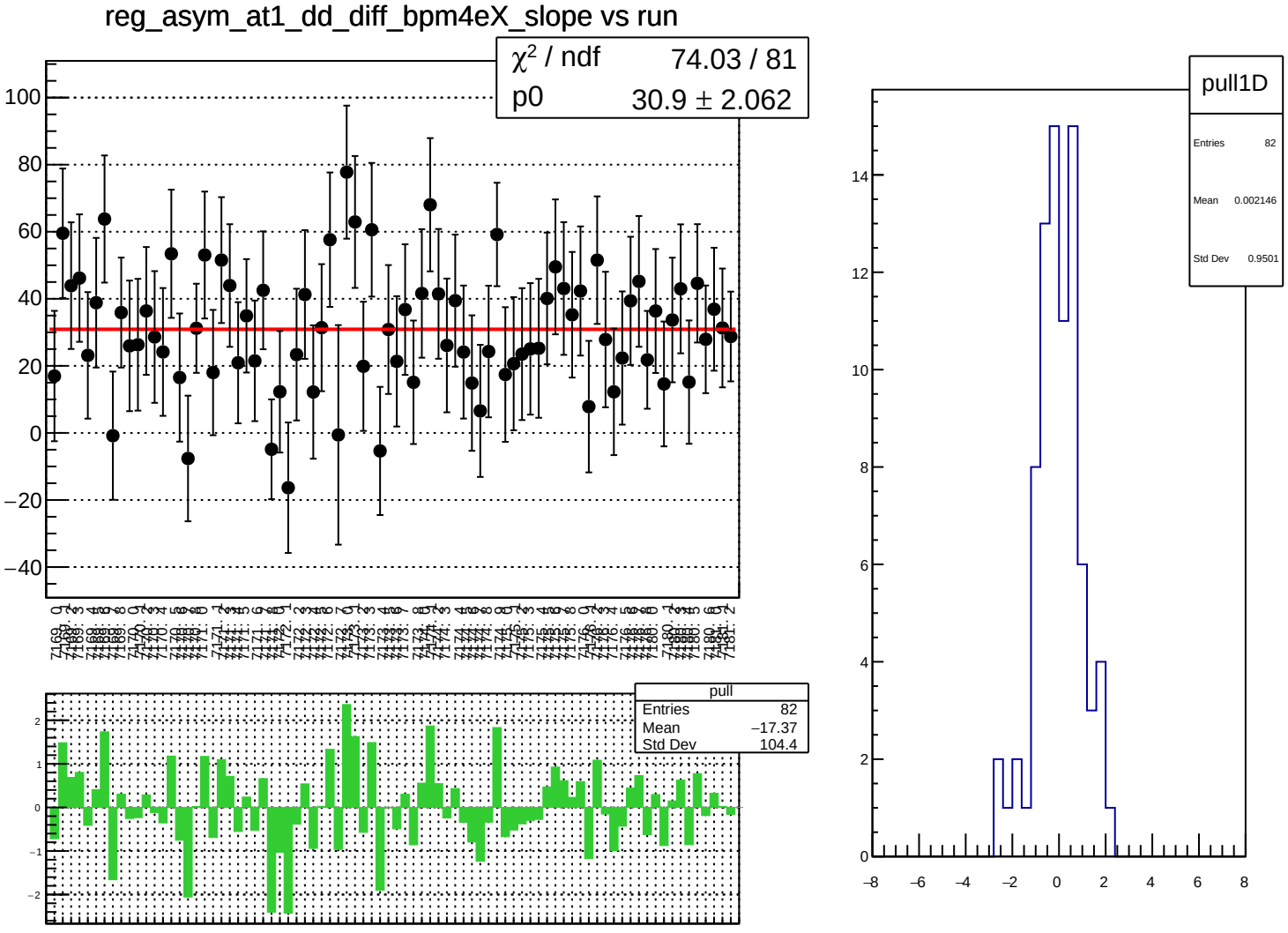

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.64 / 81
p0 −7.941 ± 1.734
pull
Entries 82
Mean −1.593e+04
Std Dev 1.598e+04
pull1D
Entries 82
Mean 0.0003628
Std Dev 1.051

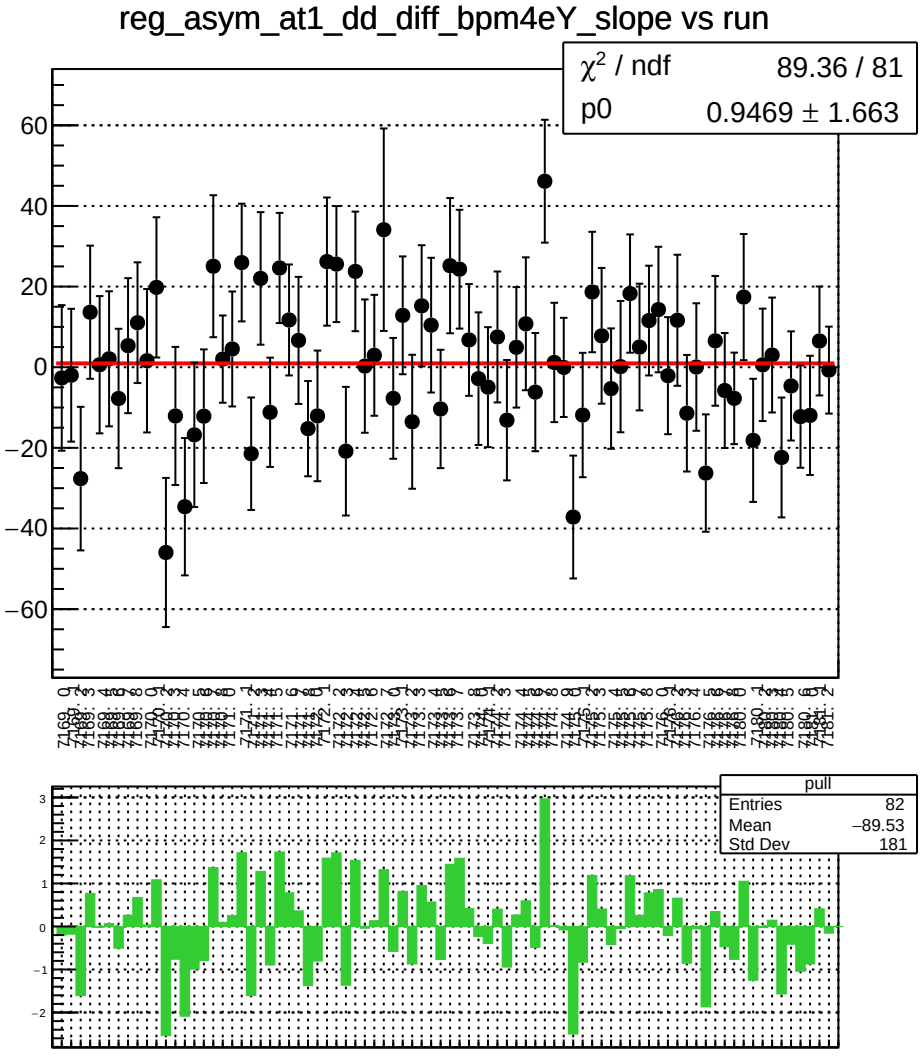

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 175.1 / 81
p0 −17.57 ± 0.07996
pull
Entries 82
Mean −201.8
Std Dev 237.1
pull1D
Entries 82
Mean −0.0337
Std Dev 1.461

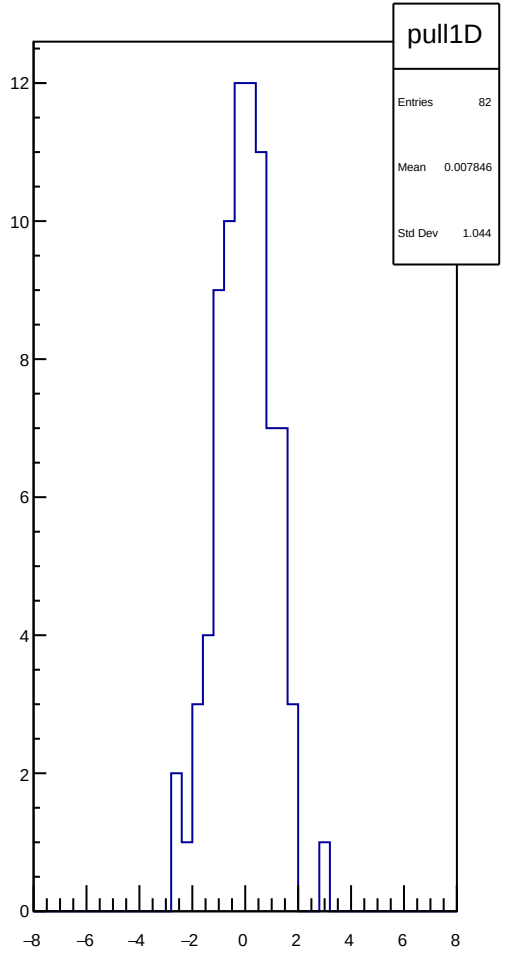

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 72.54 / 81
p0 15.95 ± 2.064
pull
Entries 82
Mean 174
Std Dev 25.22

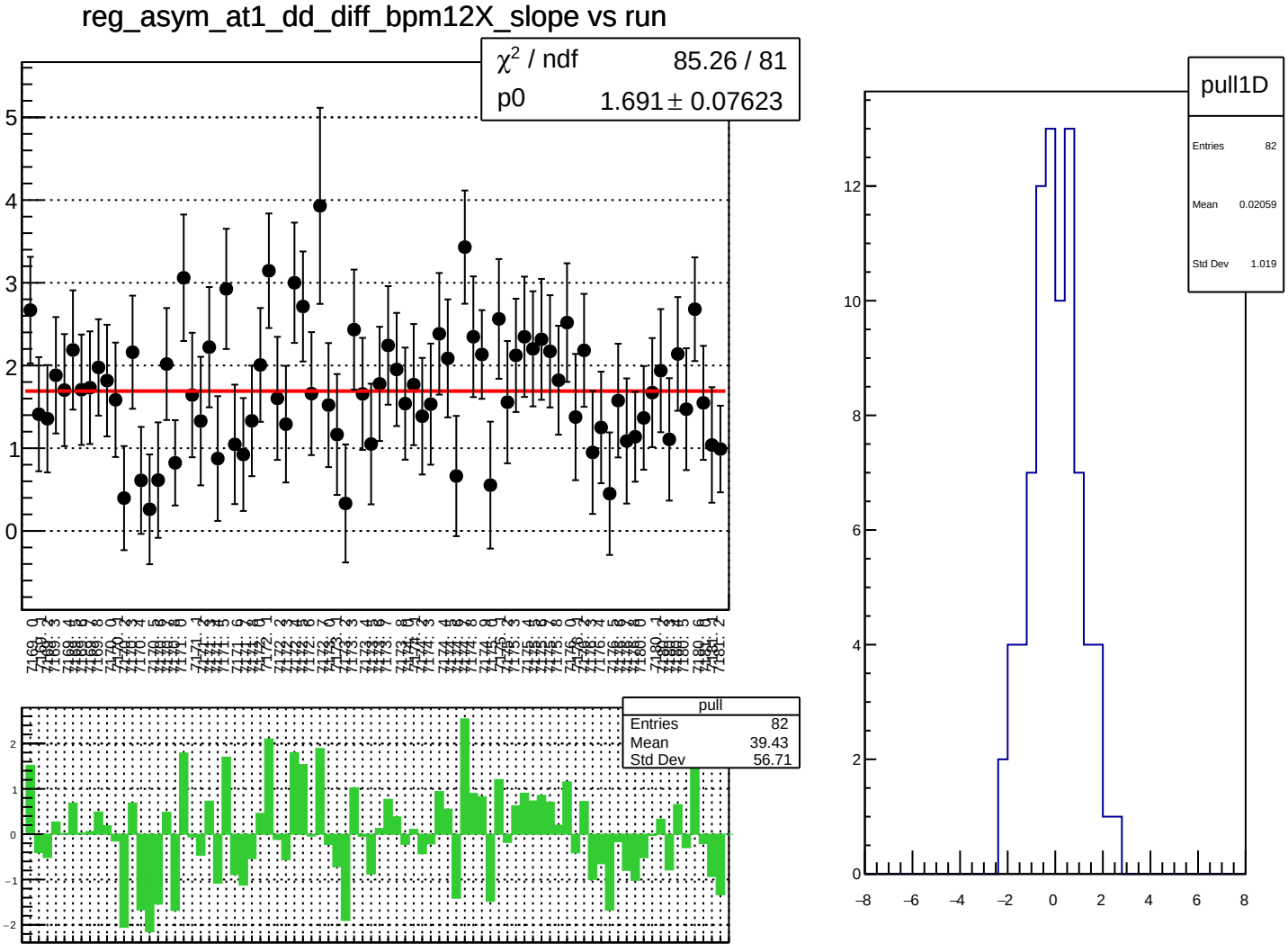

pull1D
Entries 82
Mean −0.001572
Std Dev 0.9405

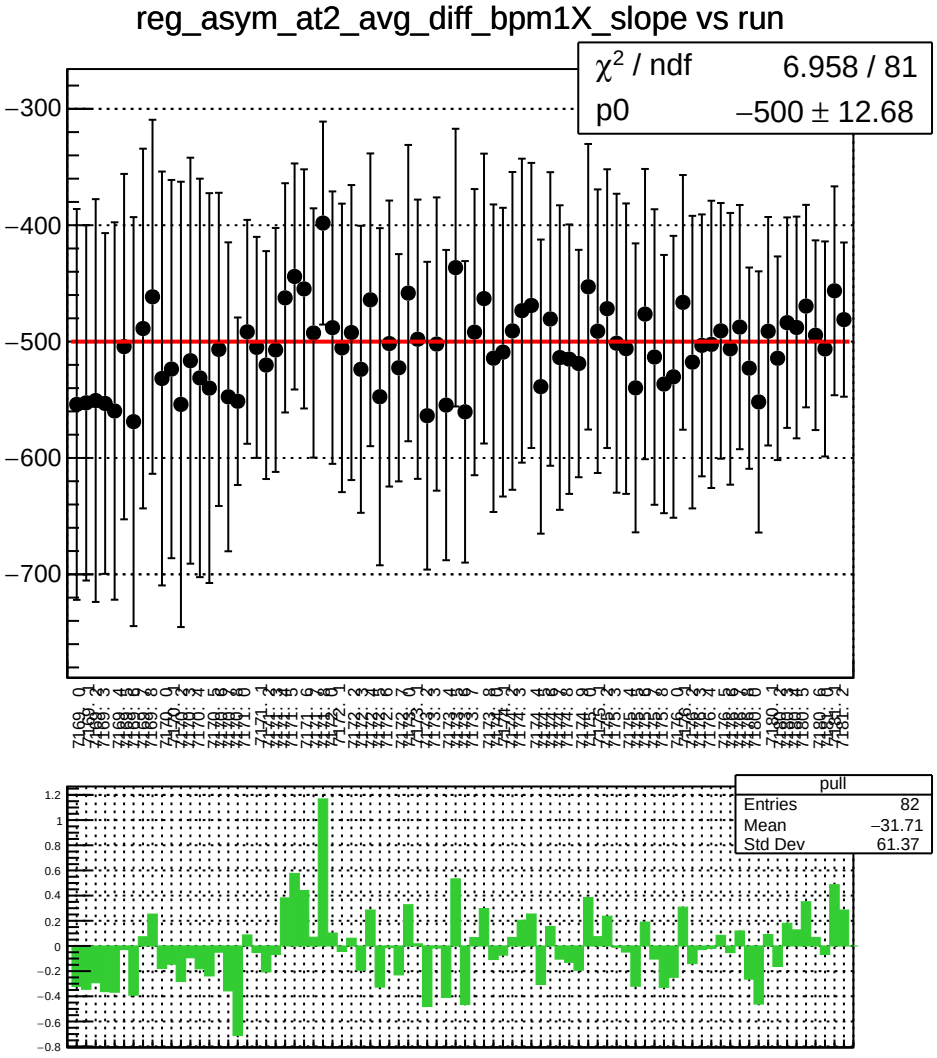

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.22 / 81
p0 −0.6919 ± 1.482
pull
Entries 82
Mean −216.5
Std Dev 281.6
pull1D
Entries 82
Mean −0.007331
Std Dev 1.019

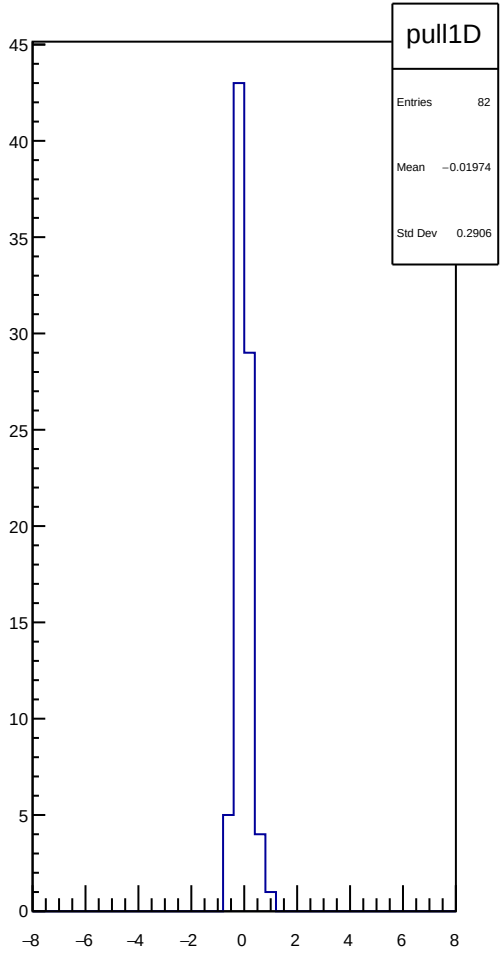

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.03 / 81
p0 30.9 ± 2.062
pull
Entries 82
Mean −17.37
Std Dev 104.4
pull1D
Entries 82
Mean 0.002146
Std Dev 0.9501

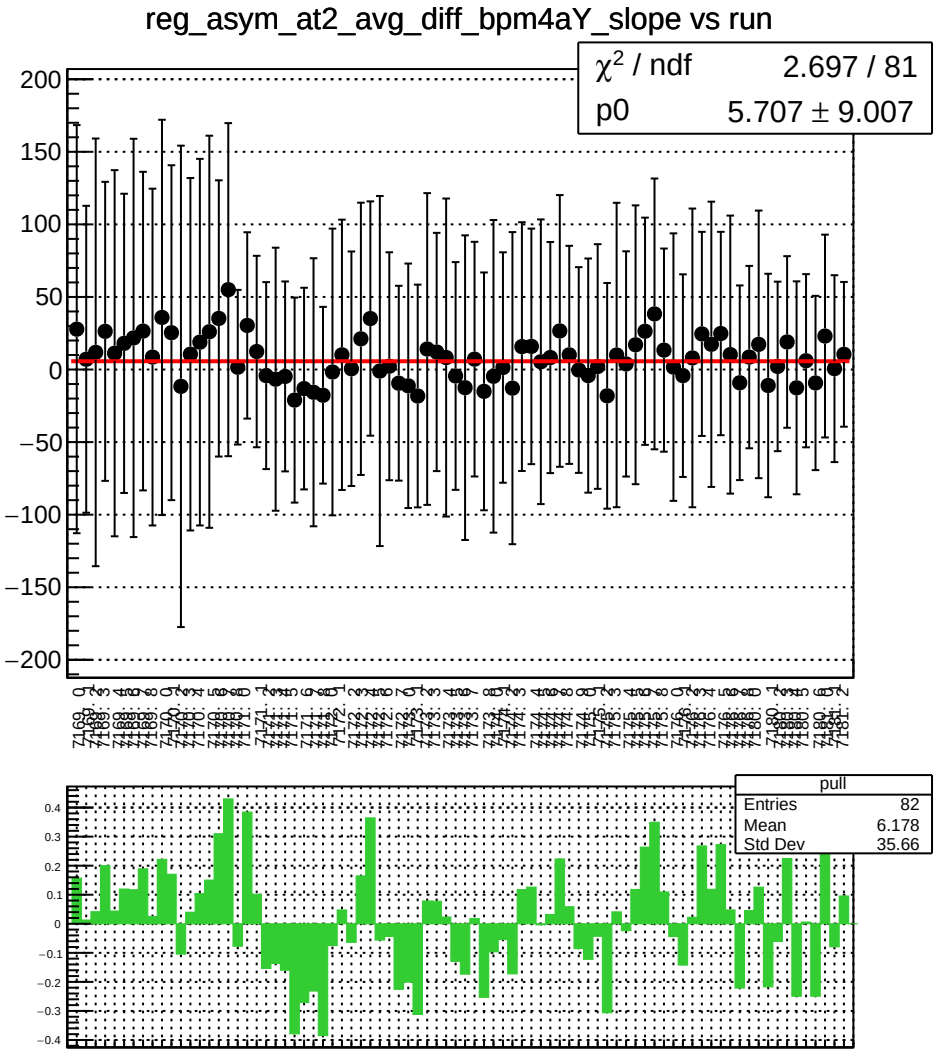

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 89.36 / 81
p0 0.9469 ± 1.663
pull
Entries 82
Mean −89.53
Std Dev 181

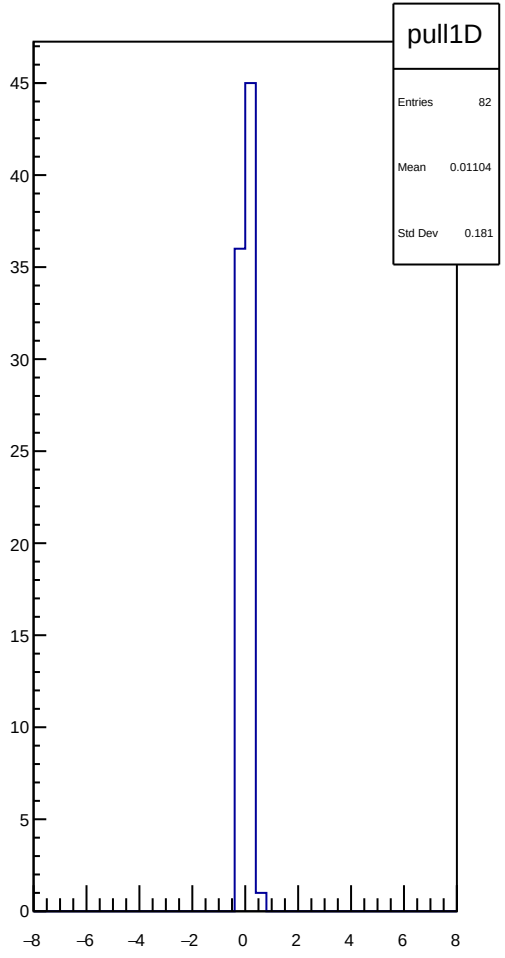

pull1D
Entries 82
Mean 0.007846
Std Dev 1.044

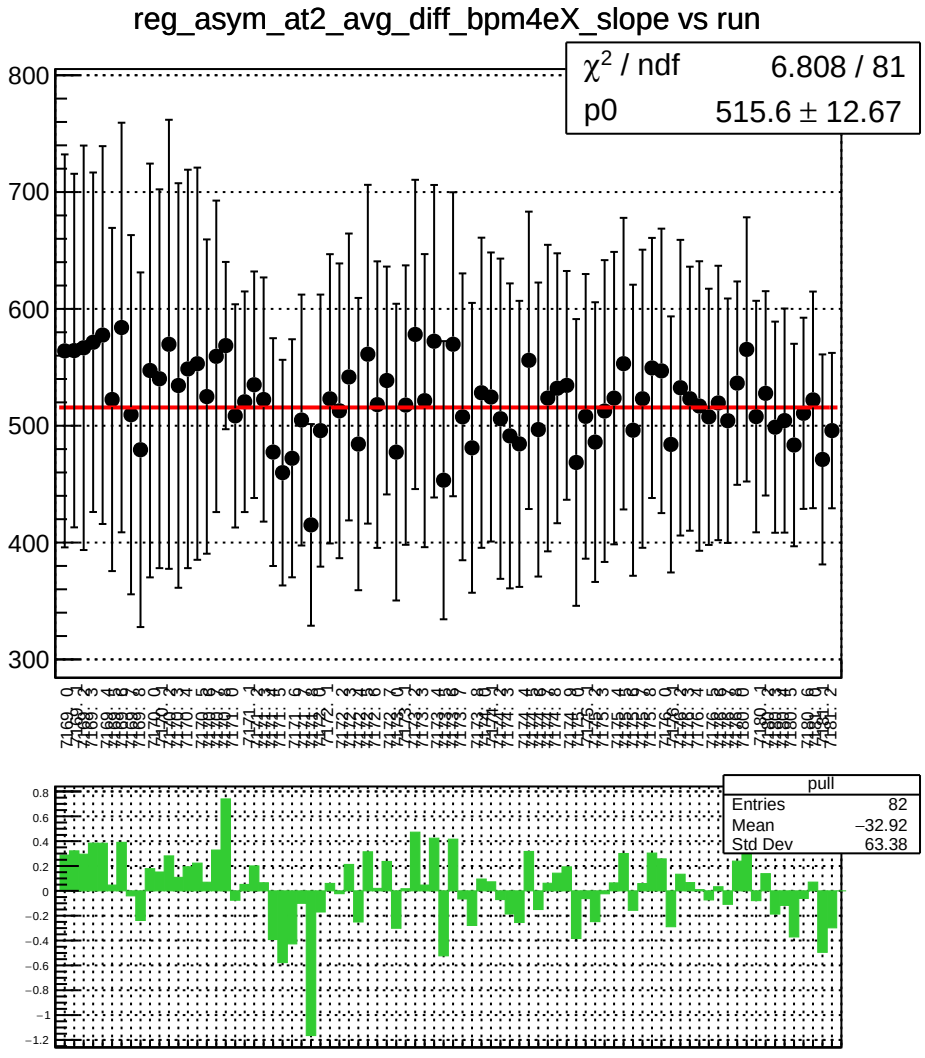

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 85.26 / 81
p0 1.691 ± 0.07623
pull
Entries 82
Mean 39.43
Std Dev 56.71
pull1D
Entries 82
Mean 0.02059
Std Dev 1.019

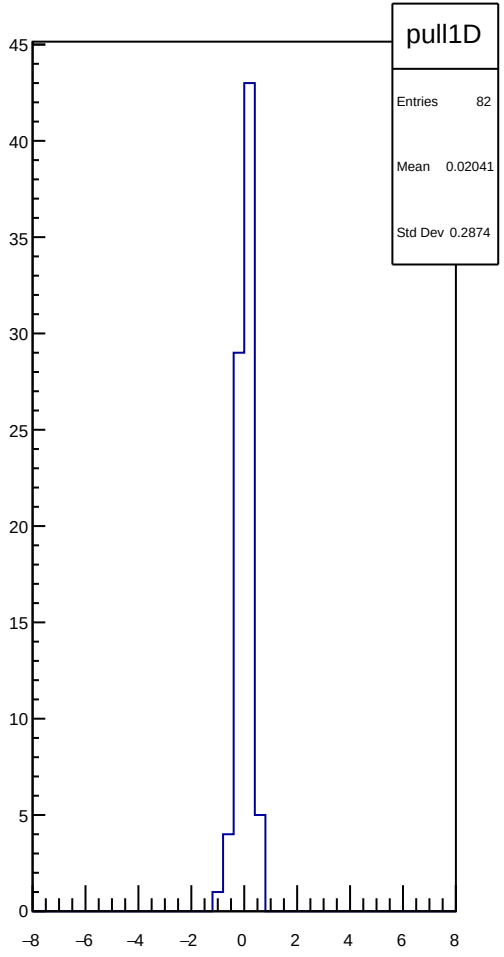

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.958 / 81
p0 −500 ± 12.68
pull
Entries 82
Mean −31.71
Std Dev 61.37

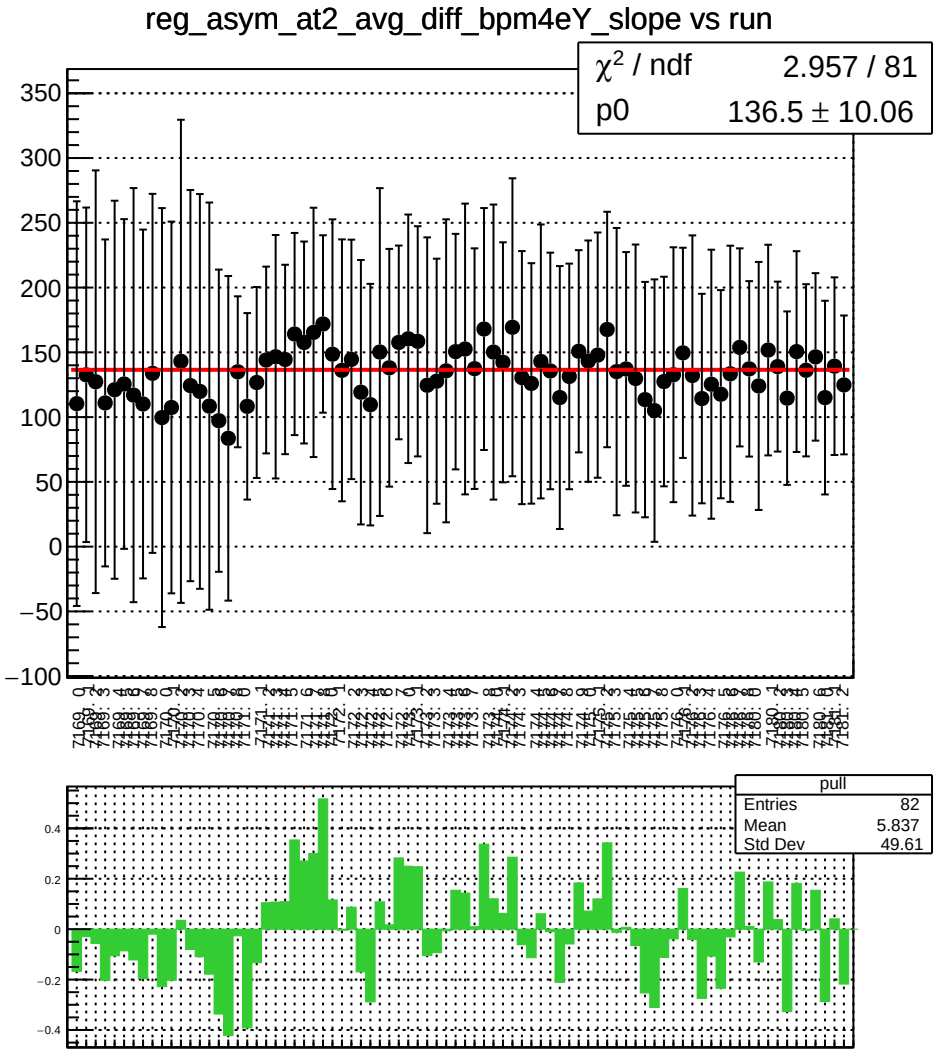

pull1D
Entries 82
Mean −0.01974
Std Dev 0.2906

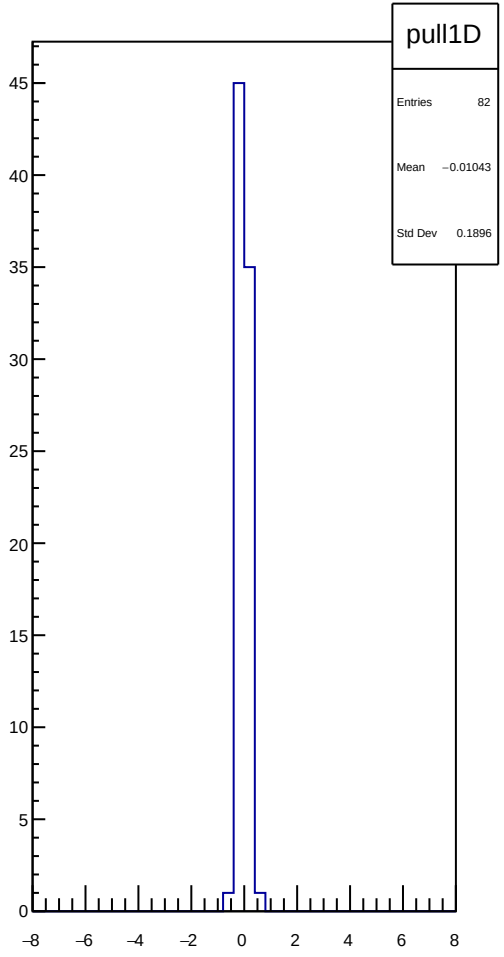

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.697 / 81
p0 5.707 ± 9.007
pull
Entries 82
Mean 6.178
Std Dev 35.66

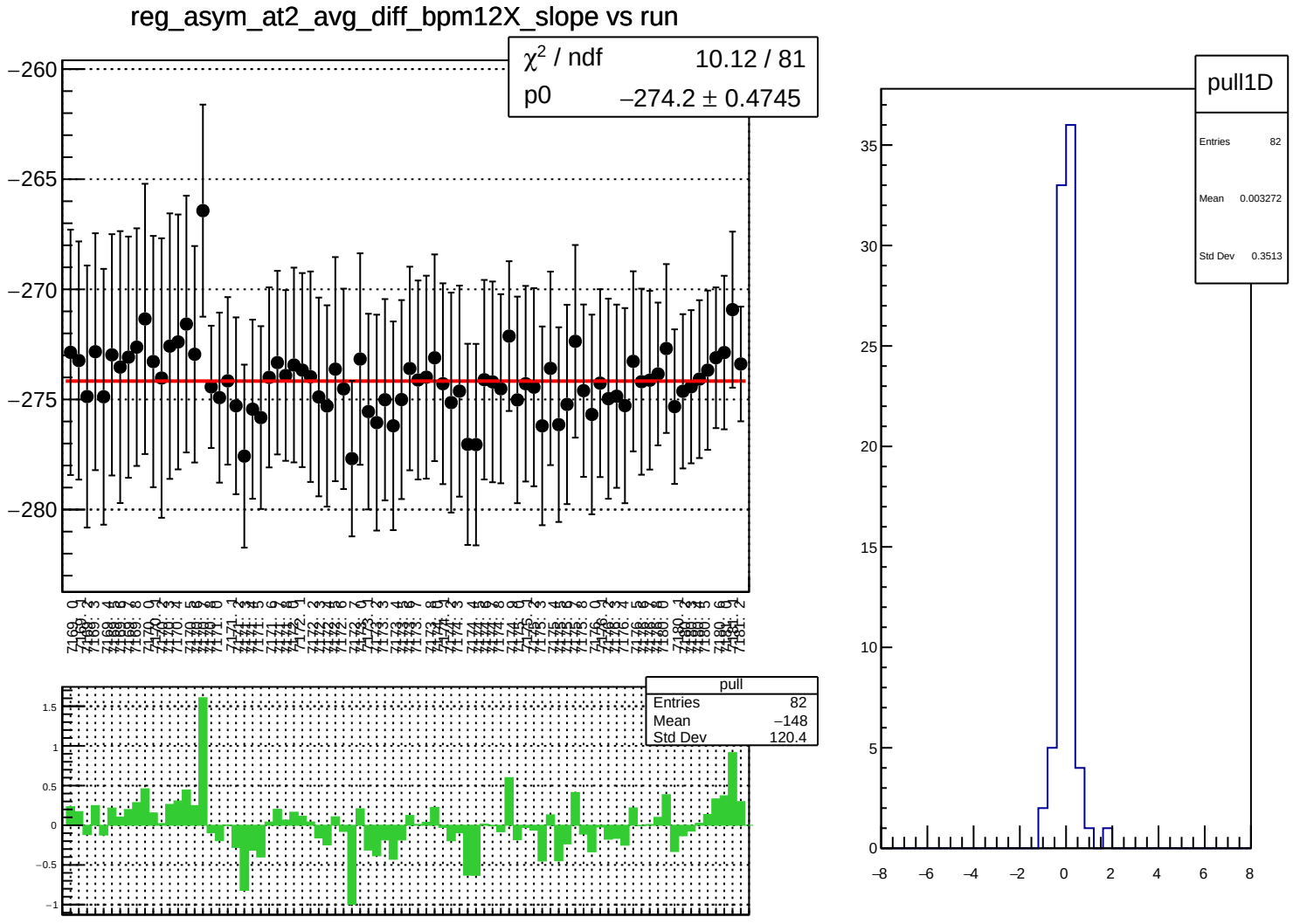

pull1D
Entries 82
Mean 0.01104
Std Dev 0.181

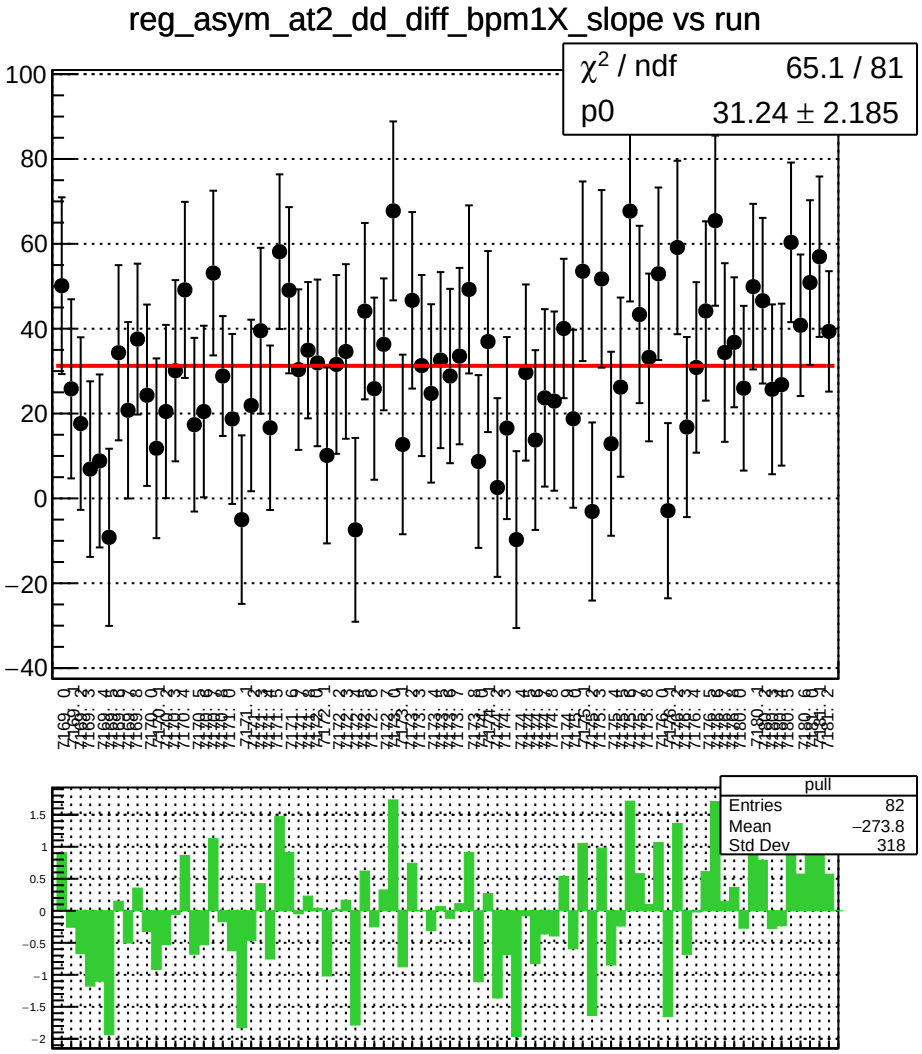

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.808 / 81
p0 515.6 ± 12.67
pull
Entries 82
Mean −32.92
Std Dev 63.38

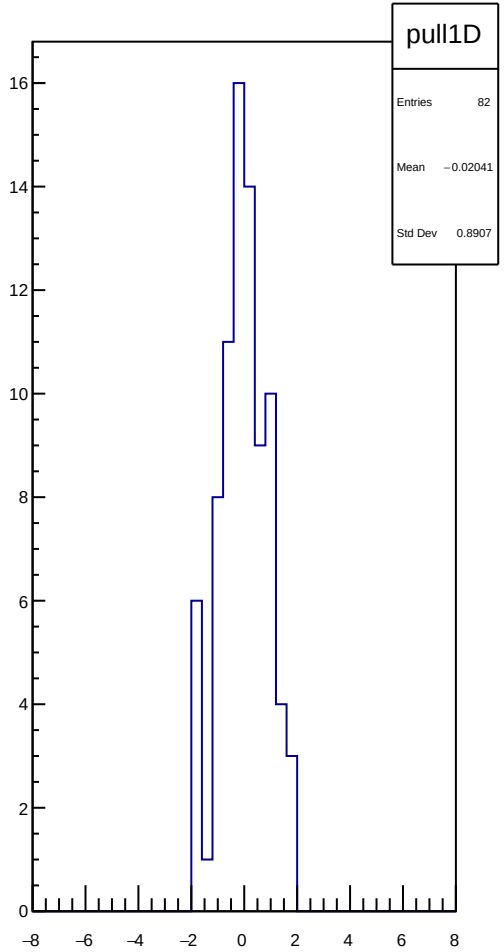

pull1D
Entries 82
Mean 0.02041
Std Dev 0.2874

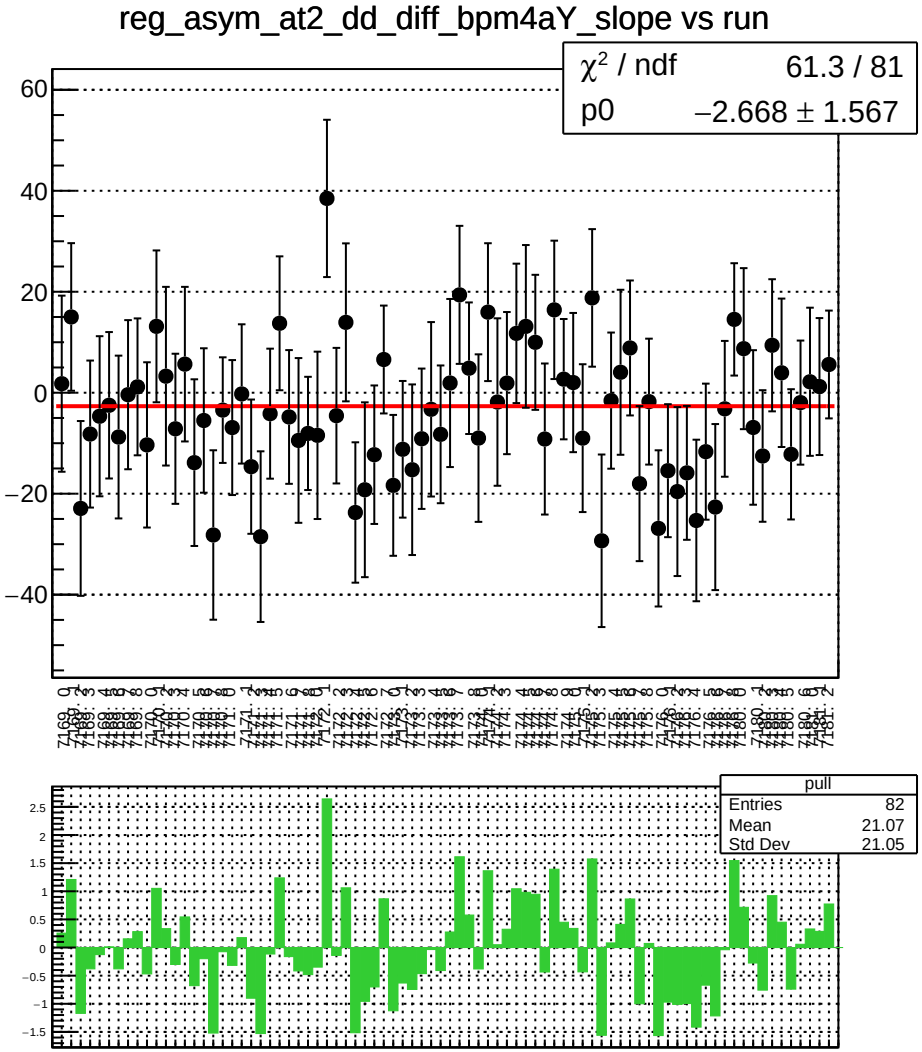

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.957 / 81
p0 136.5 ± 10.06
pull
Entries 82
Mean 5.837
Std Dev 49.61

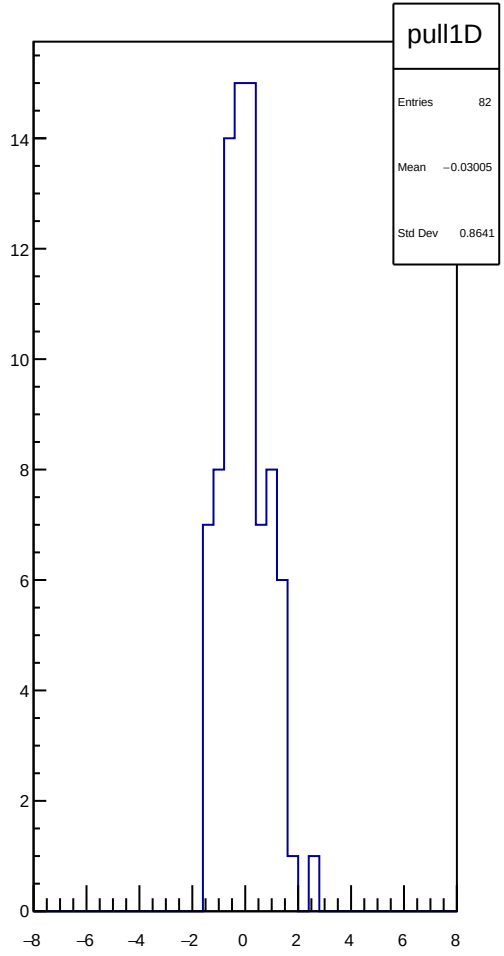

pull1D
Entries 82
Mean −0.01043
Std Dev 0.1896

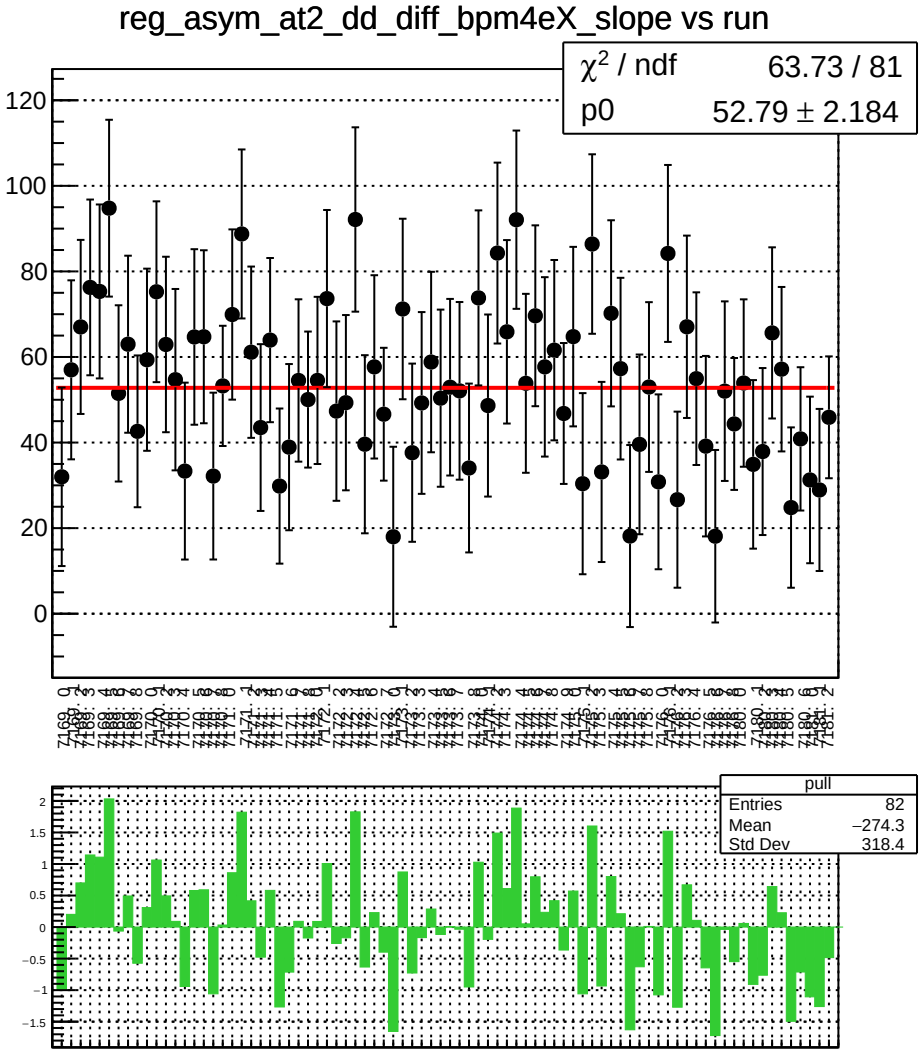

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.12 / 81
p0 −274.2 ± 0.4745
pull
Entries 82
Mean −148
Std Dev 120.4
pull1D
Entries 82
Mean 0.003272
Std Dev 0.3513

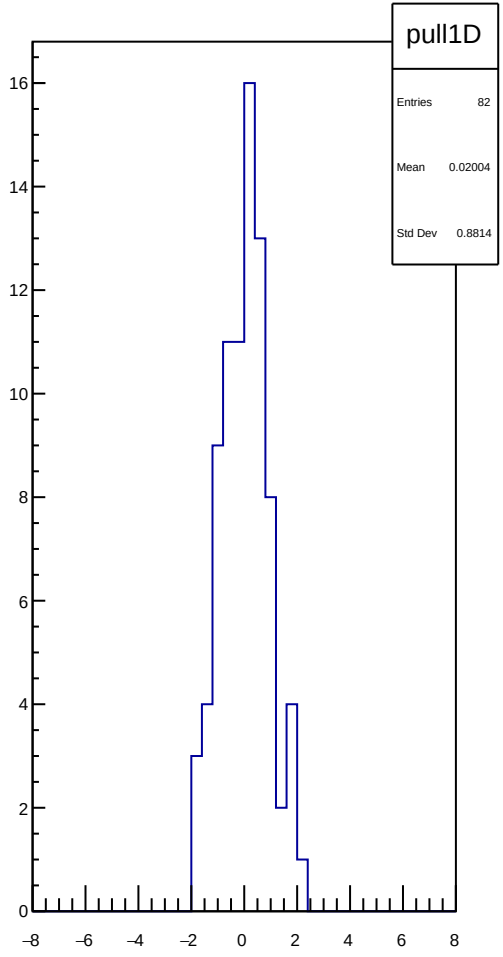

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 65.1 / 81
p0 31.24 ± 2.185
pull
Entries 82
Mean −273.8
Std Dev 318

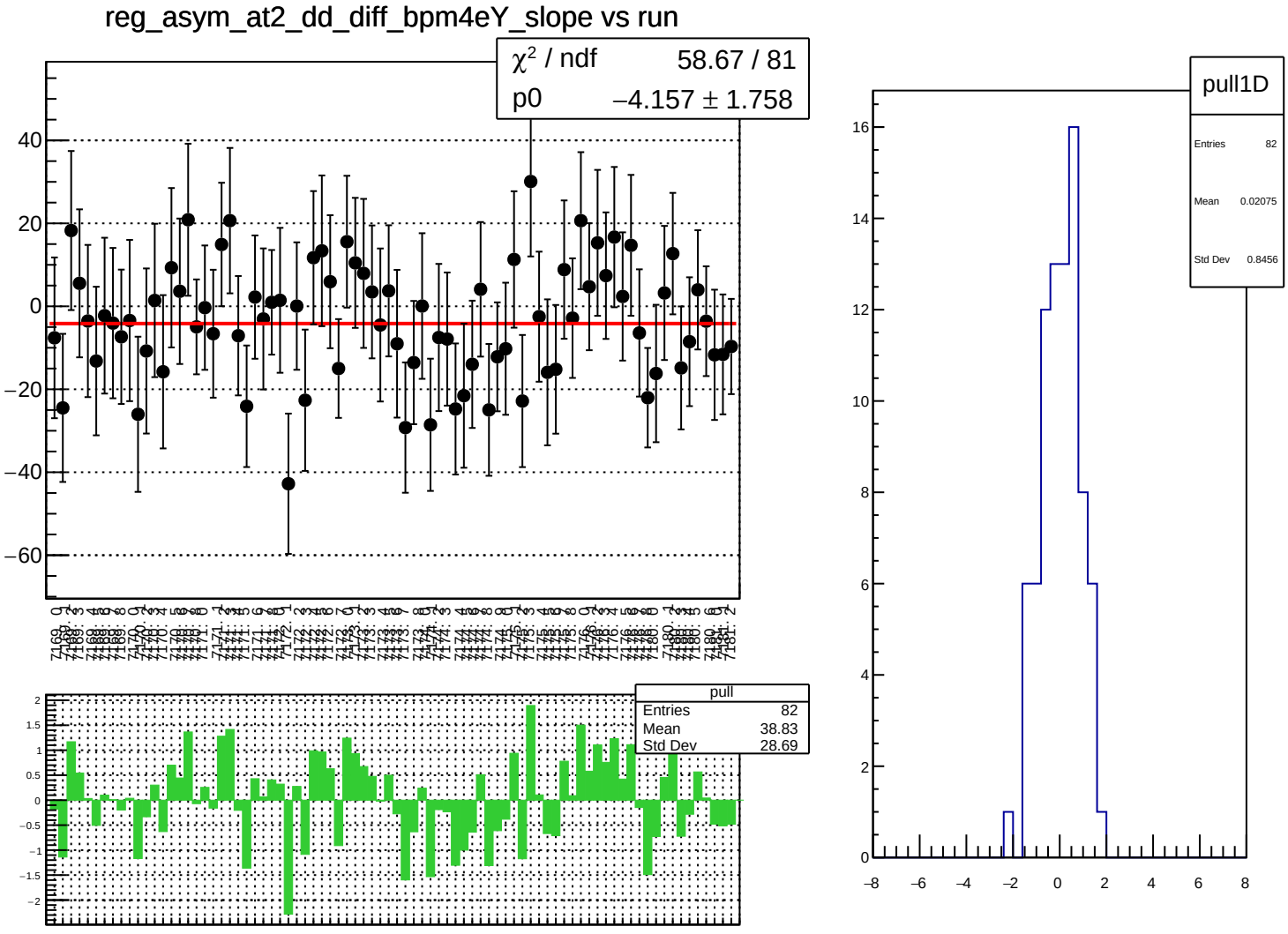

pull1D
Entries 82
Mean −0.02041
Std Dev 0.8907

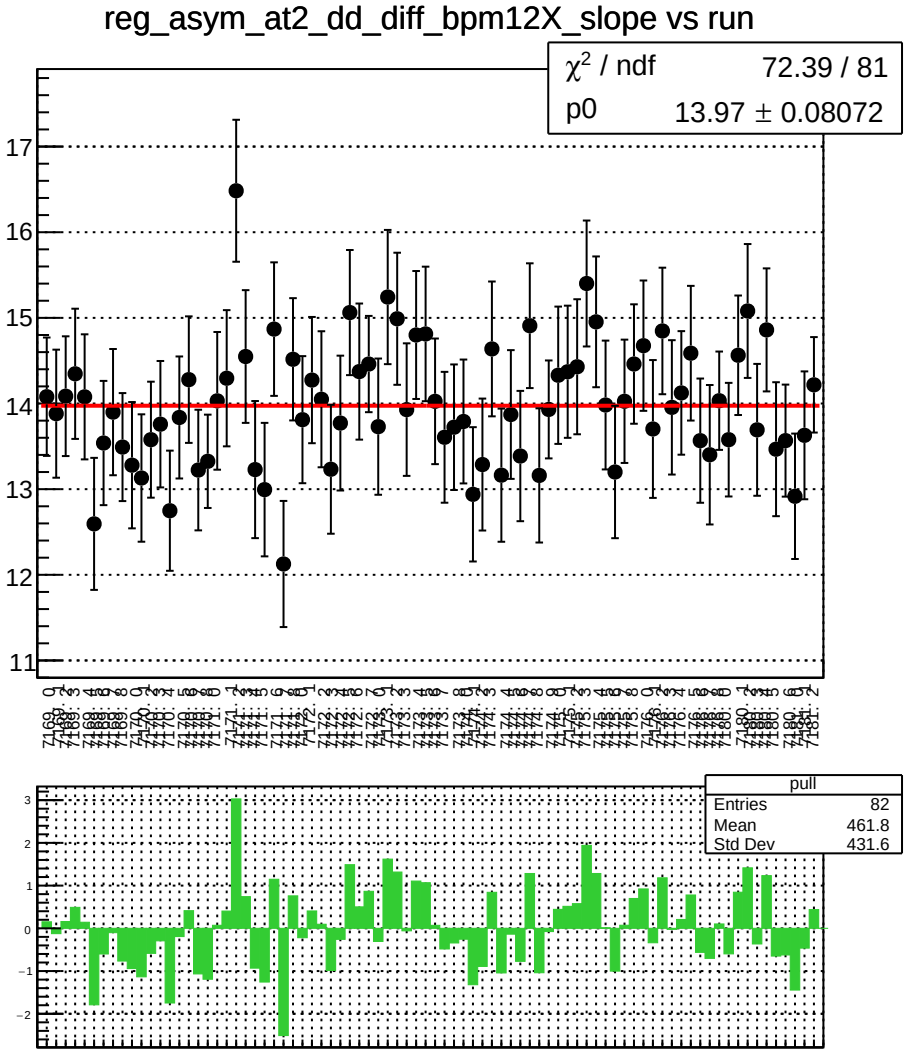

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 61.3 / 81
p0 −2.668 ± 1.567
pull
Entries 82
Mean 21.07
Std Dev 21.05

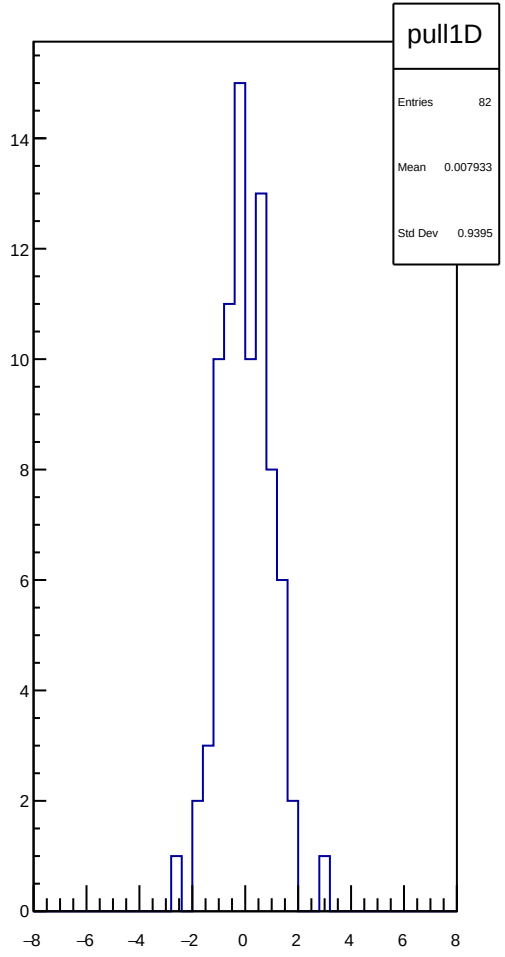

pull1D
Entries 82
Mean −0.03005
Std Dev 0.8641

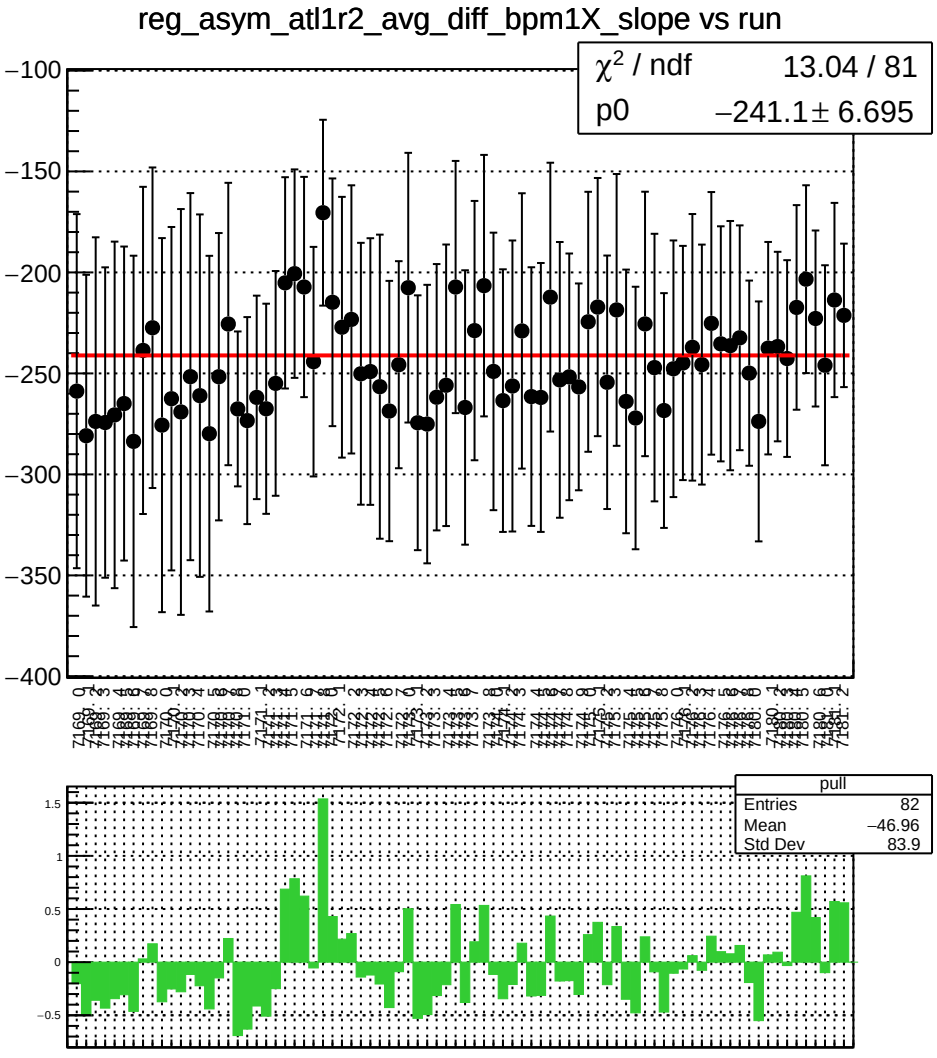

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.73 / 81
p0 52.79 ± 2.184
pull
Entries 82
Mean −274.3
Std Dev 318.4

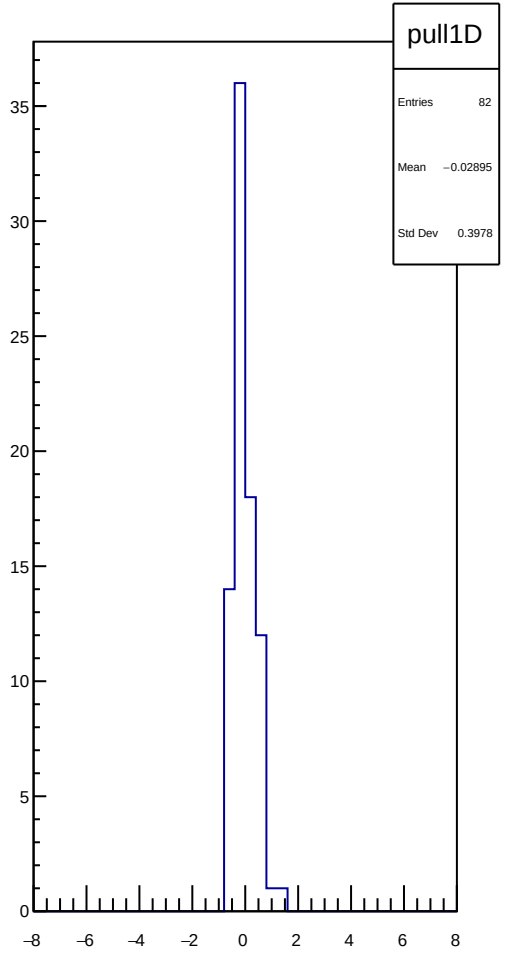

pull1D
Entries 82
Mean 0.02004
Std Dev 0.8814

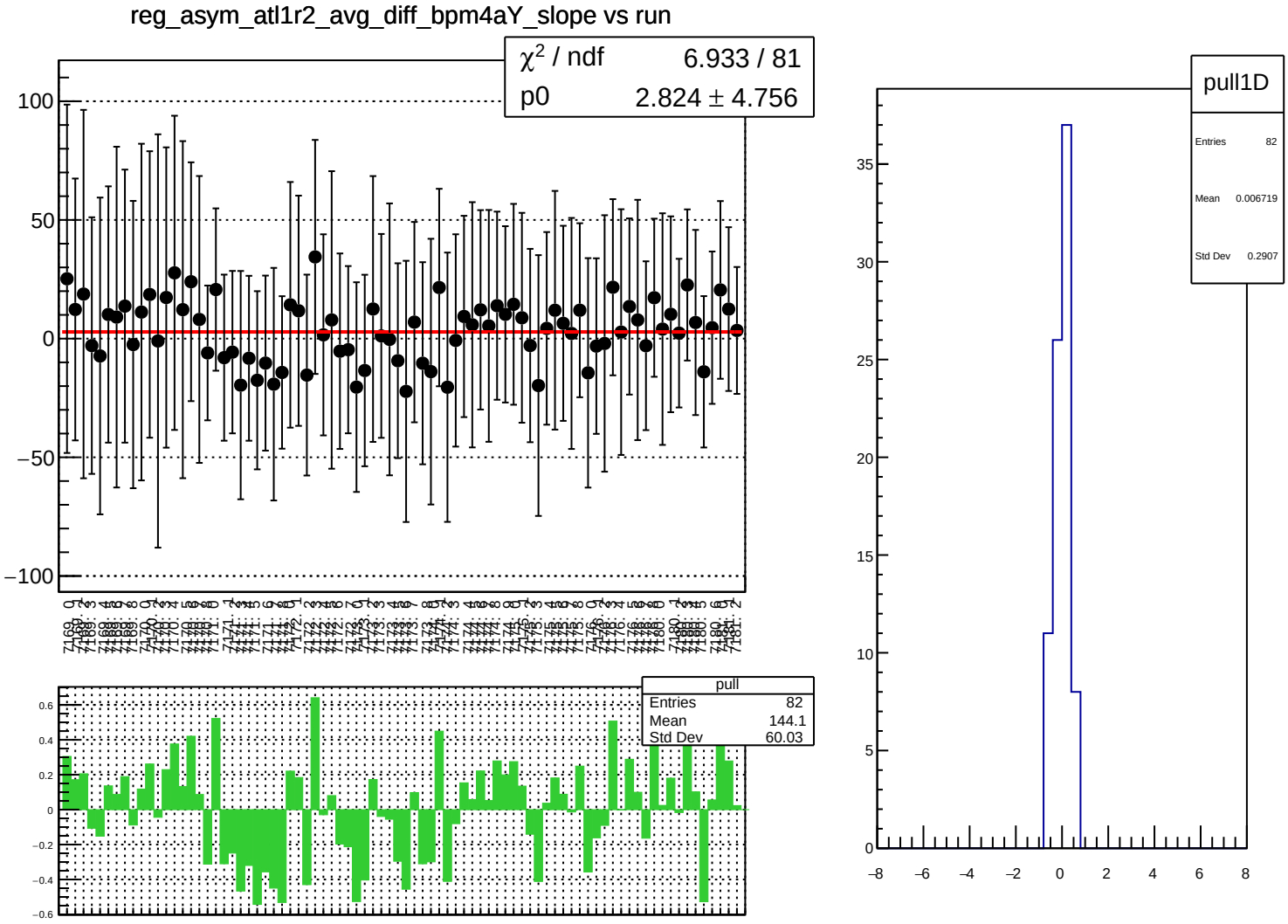

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.67 / 81
p0 −4.157 ± 1.758
pull
Entries 82
Mean 38.83
Std Dev 28.69
pull1D
Entries 82
Mean 0.02075
Std Dev 0.8456

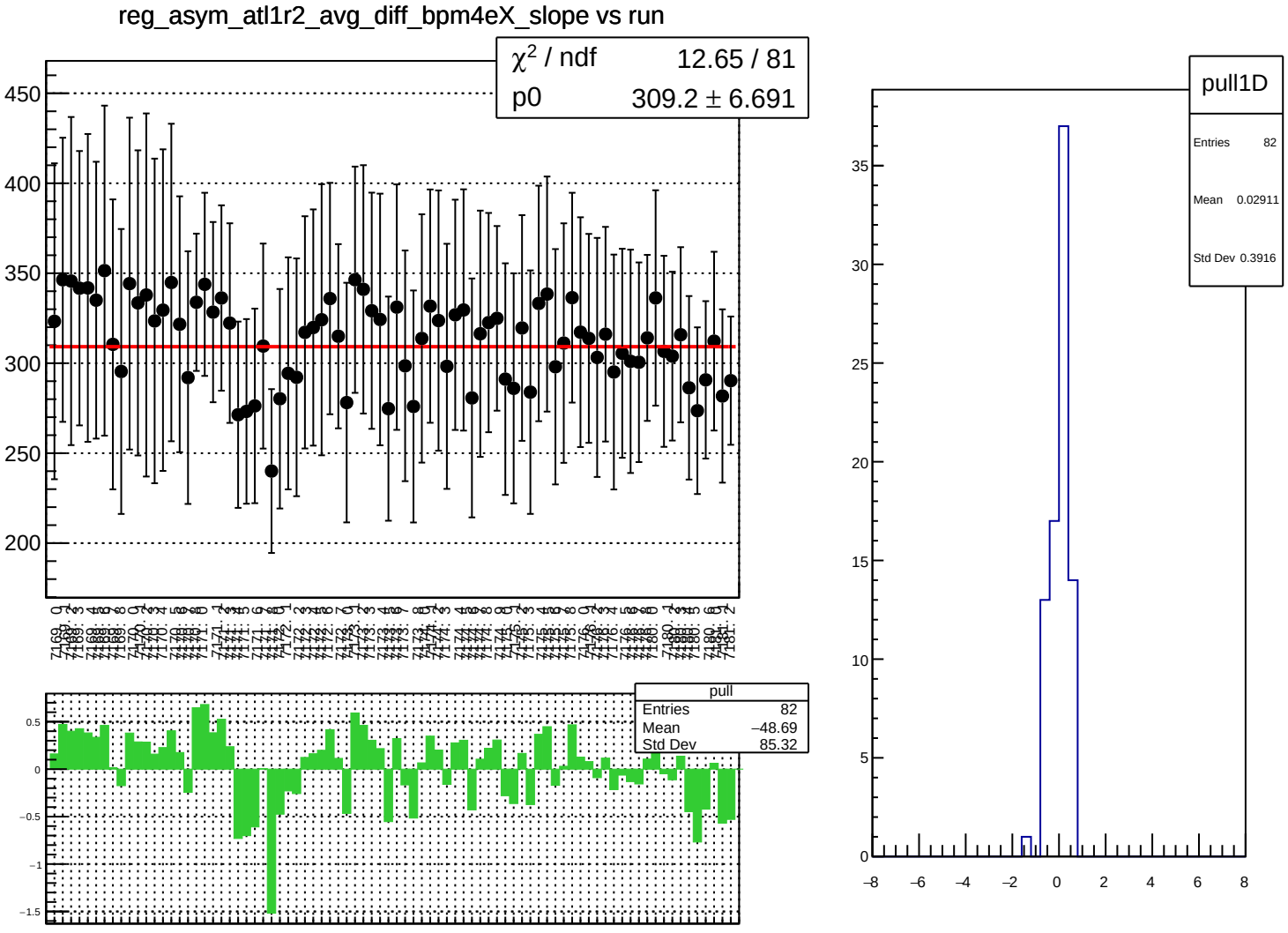

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 72.39 / 81
p0 13.97 ± 0.08072
pull
Entries 82
Mean 461.8
Std Dev 431.6

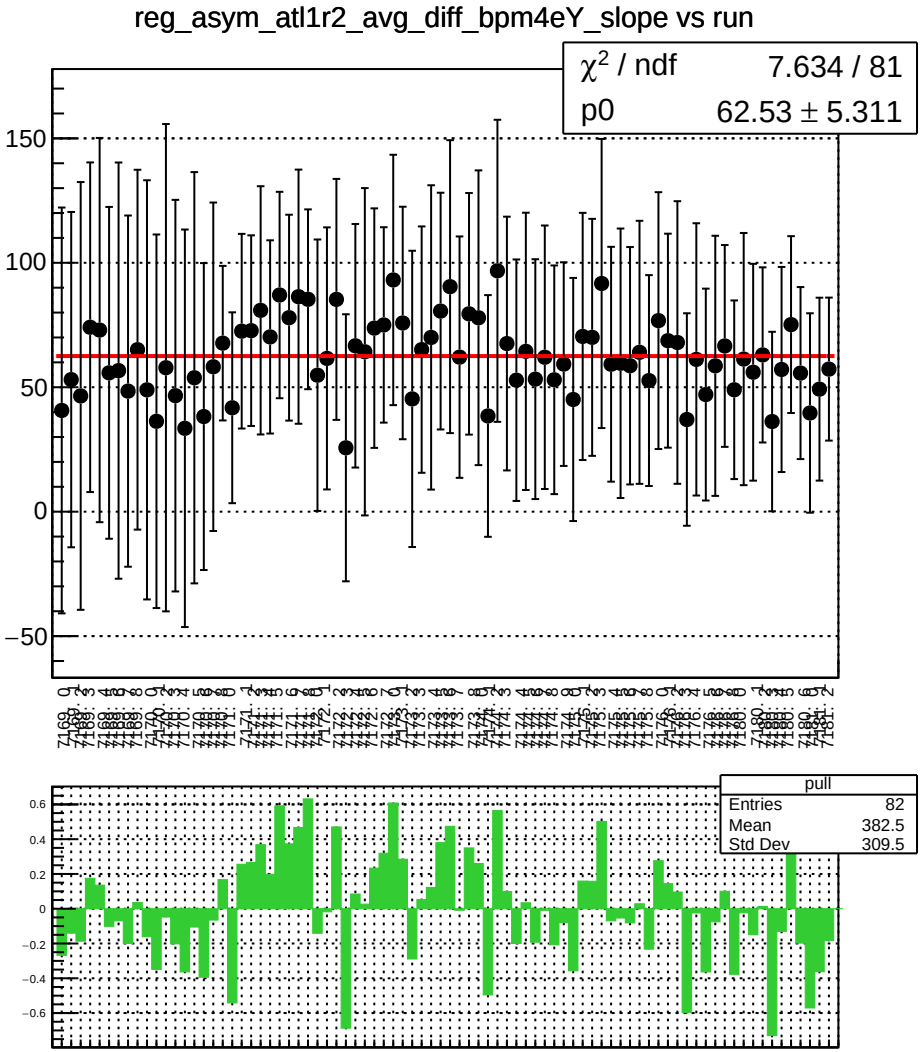

pull1D
Entries 82
Mean 0.007933
Std Dev 0.9395

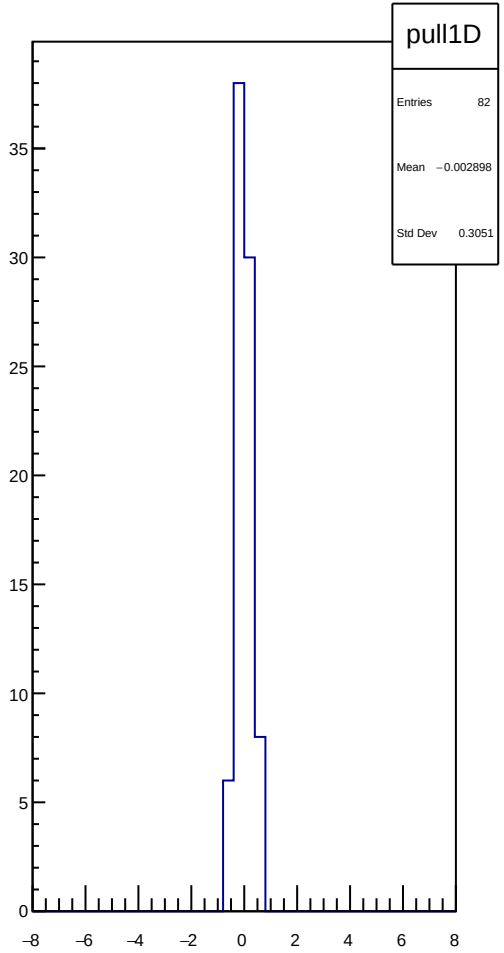

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.04 / 81
p0 −241.1 ± 6.695
pull
Entries 82
Mean −46.96
Std Dev 83.9

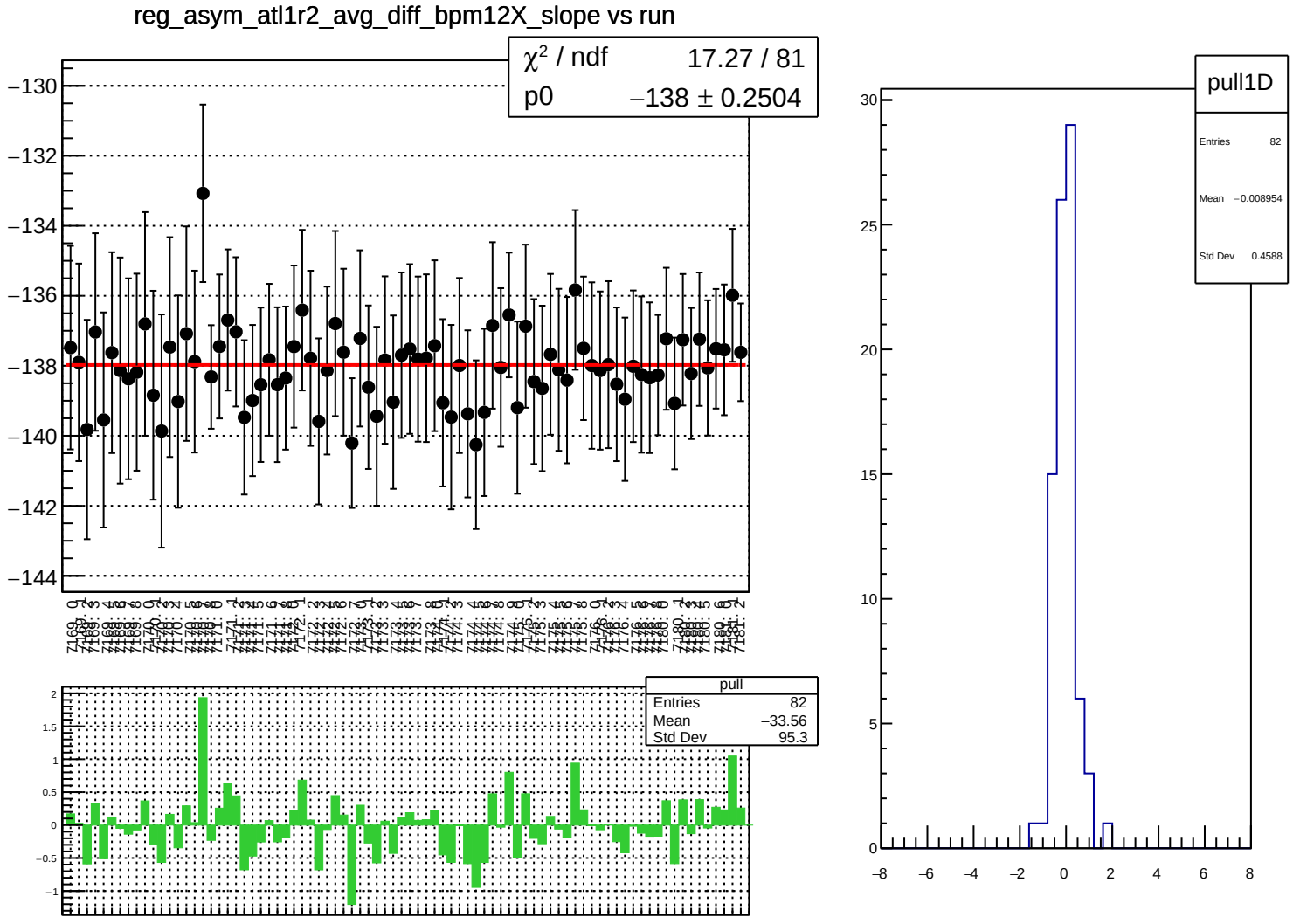

pull1D
Entries 82
Mean −0.02895
Std Dev 0.3978

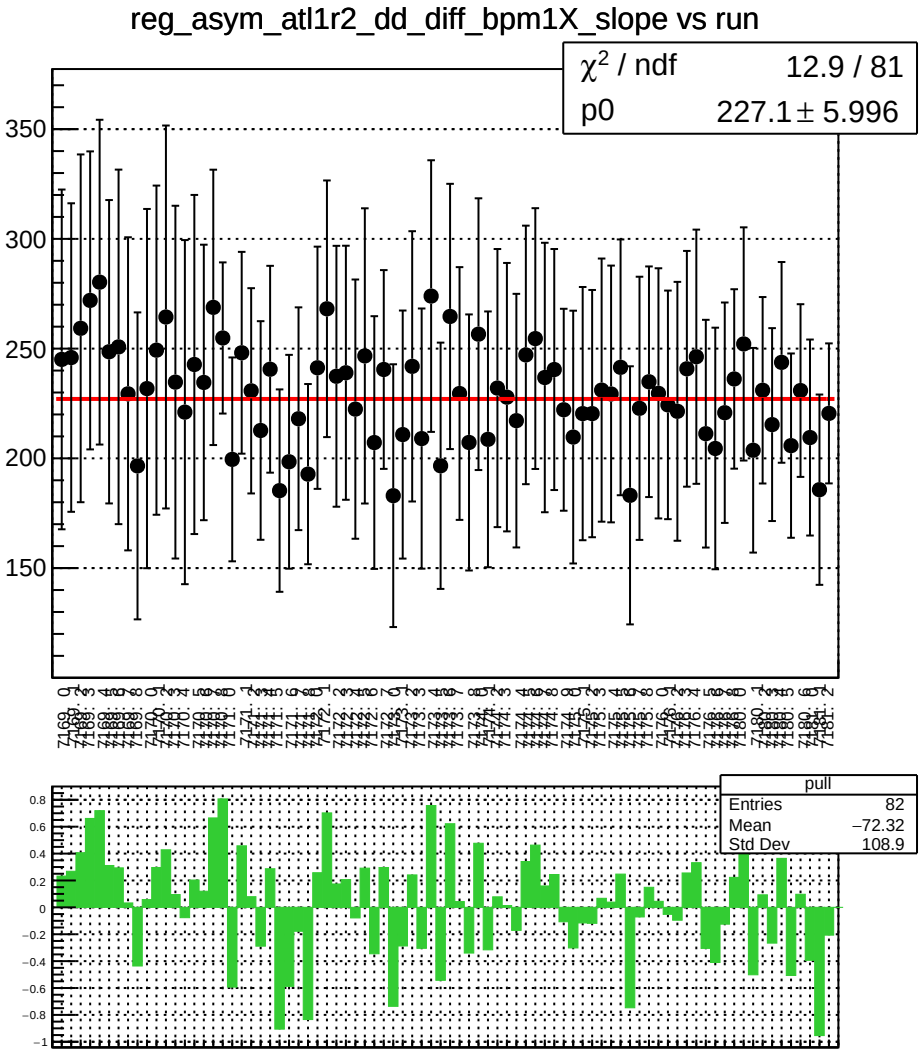

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.933 / 81
p0 2.824 ± 4.756
pull
Entries 82
Mean 144.1
Std Dev 60.03
pull1D
Entries 82
Mean 0.006719
Std Dev 0.2907

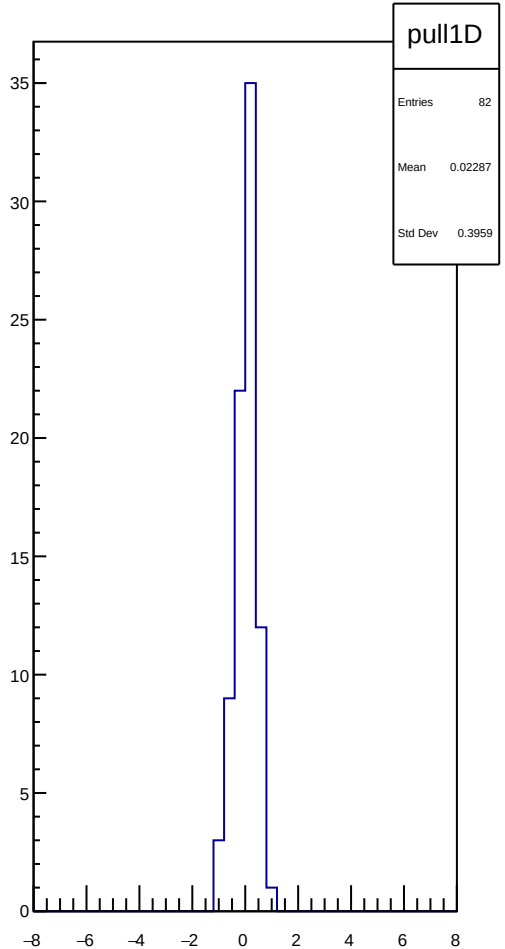

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.65 / 81
p0 309.2 ± 6.691
pull
Entries 82
Mean −48.69
Std Dev 85.32
pull1D
Entries 82
Mean 0.02911
Std Dev 0.3916

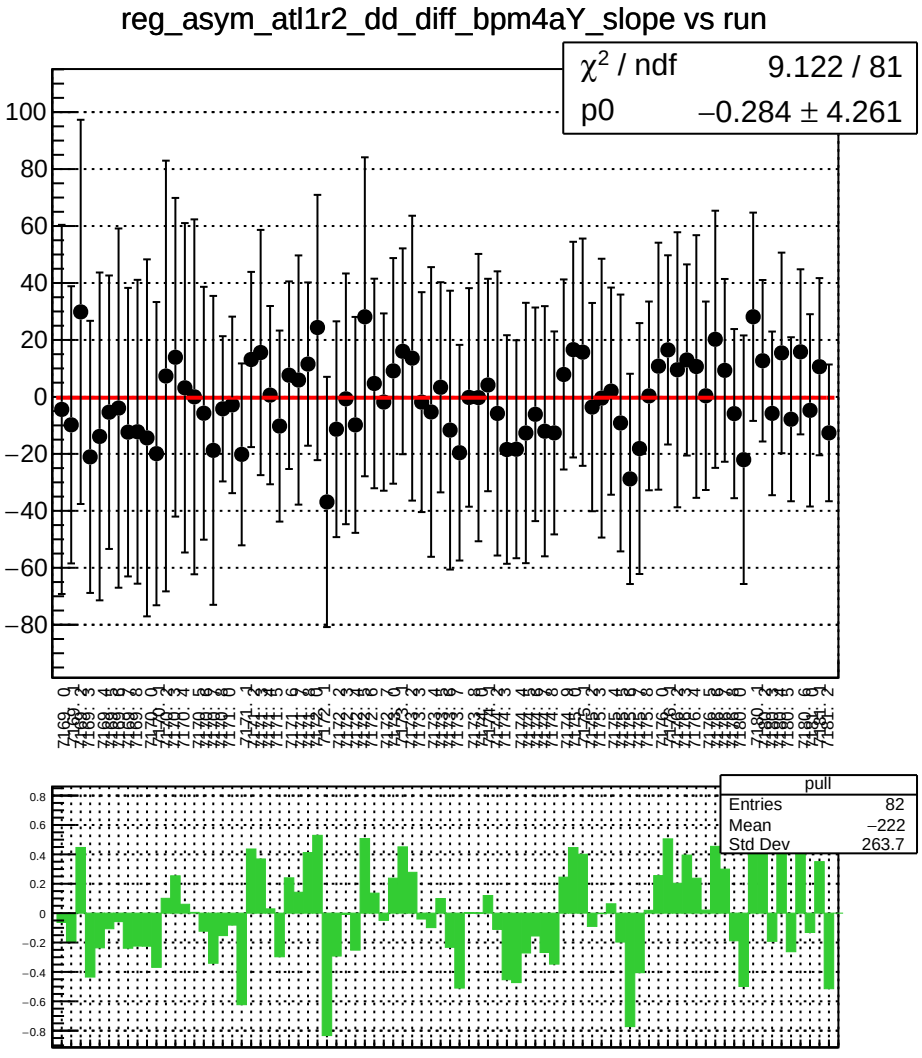

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.634 / 81
p0 62.53 ± 5.311
150
100
50
0
−50
pull
Entries 82
Mean 382.5
Std Dev 309.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

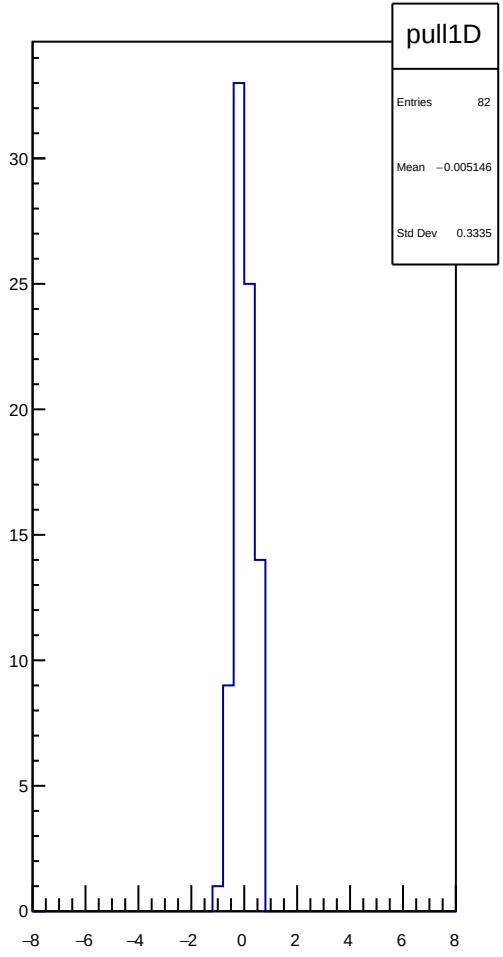

pull1D
Entries 82
Mean −0.002898
Std Dev 0.3051
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

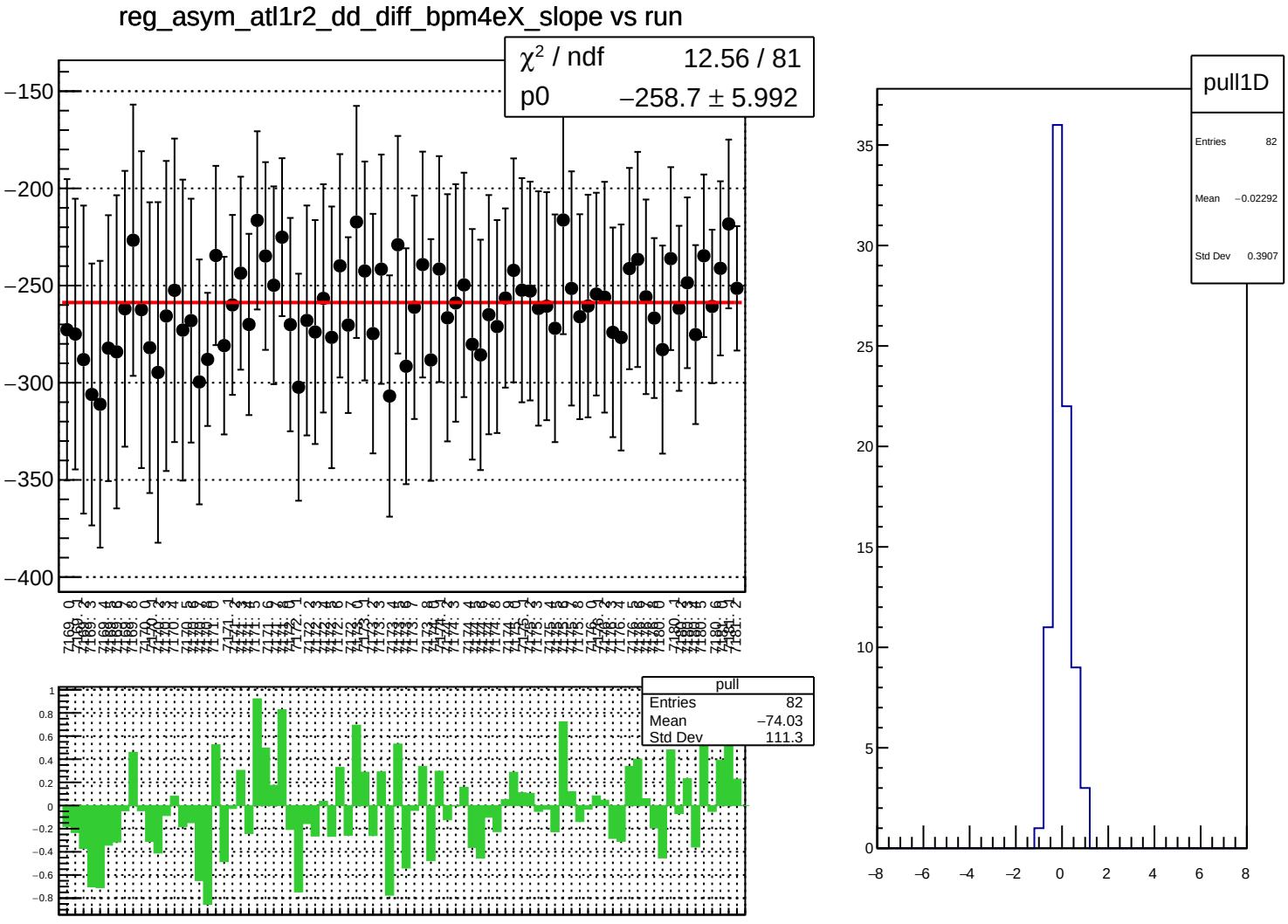

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.27 / 81
p0 −138 ± 0.2504
pull
Entries 82
Mean −33.56
Std Dev 95.3
pull1D
Entries 82
Mean −0.008954
Std Dev 0.4588

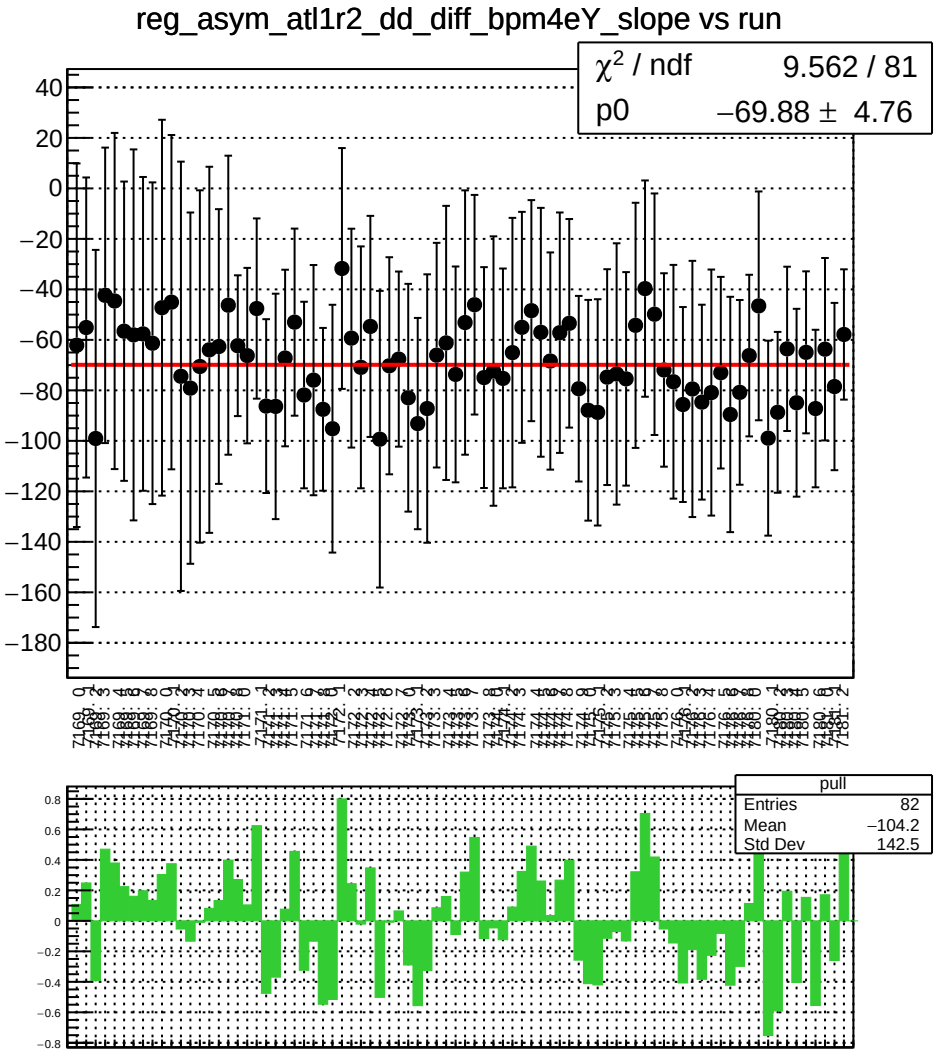

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.9 / 81
p0 227.1 ± 5.996
pull
Entries 82
Mean −72.32
Std Dev 108.9

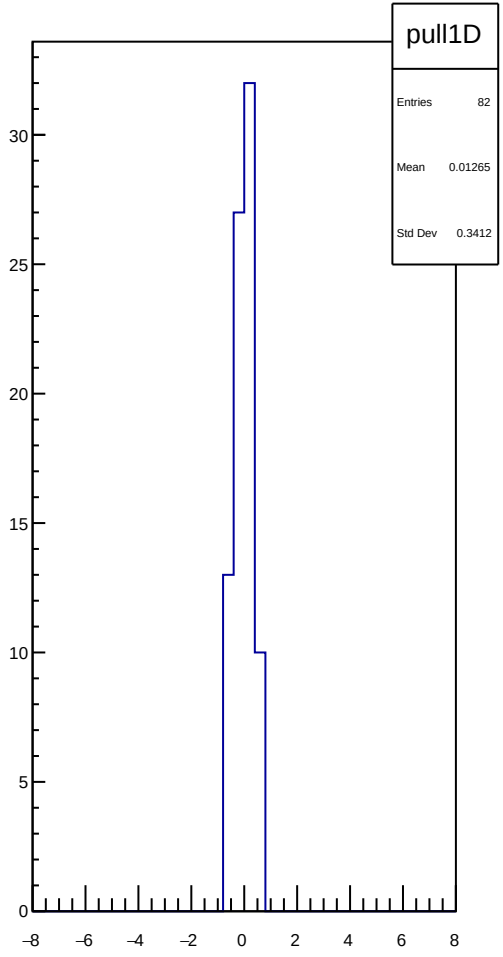

pull1D
Entries 82
Mean 0.02287
Std Dev 0.3959

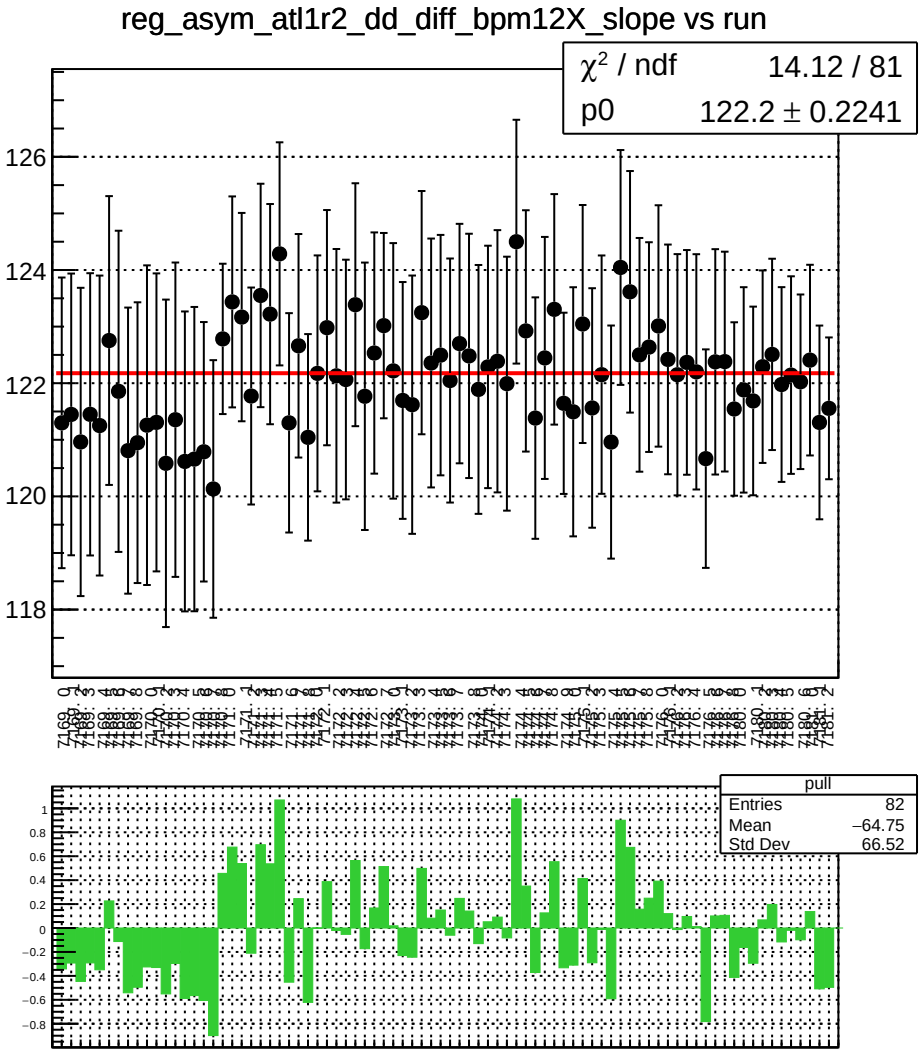

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.122 / 81
p0 −0.284 ± 4.261
pull
Entries 82
Mean −222
Std Dev 263.7

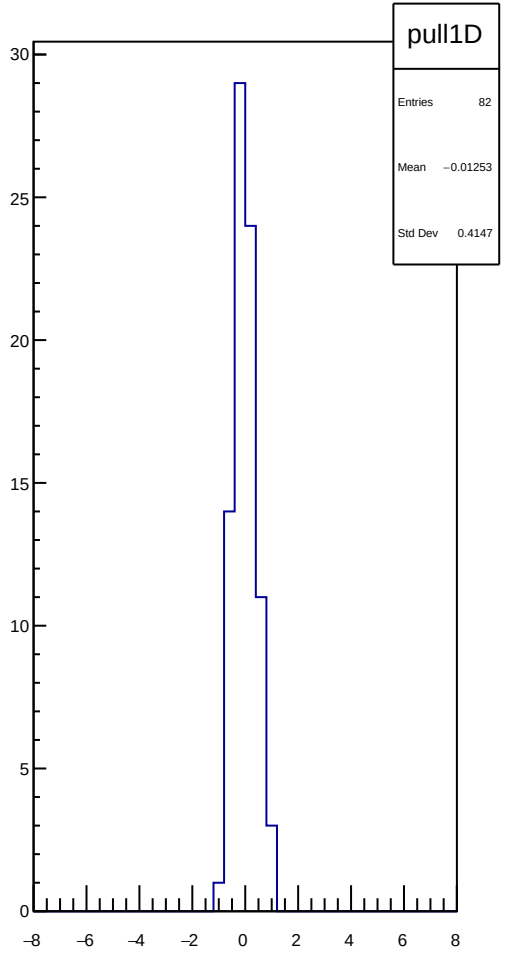

pull1D
Entries 82
Mean −0.005146
Std Dev 0.3335

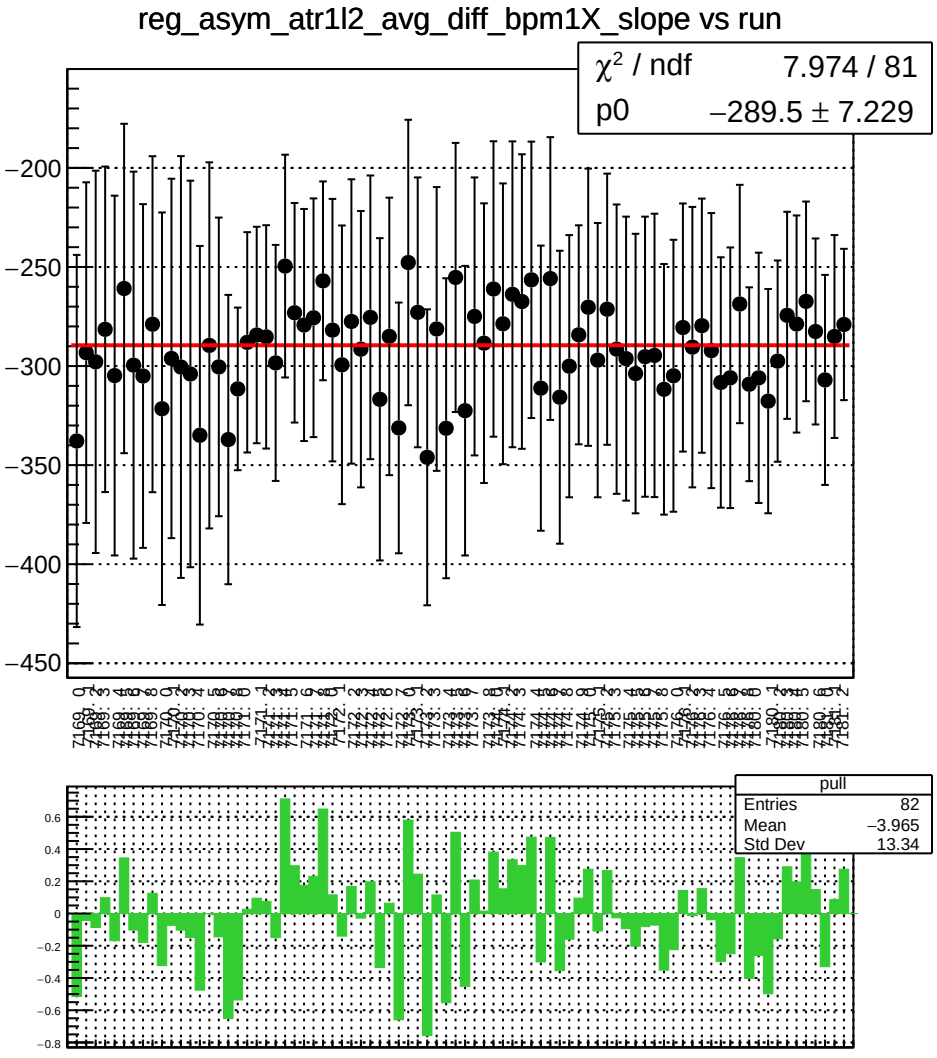

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.56 / 81
p0 −258.7 ± 5.992
pull
Entries 82
Mean −74.03
Std Dev 111.3
pull1D
Entries 82
Mean −0.02292
Std Dev 0.3907

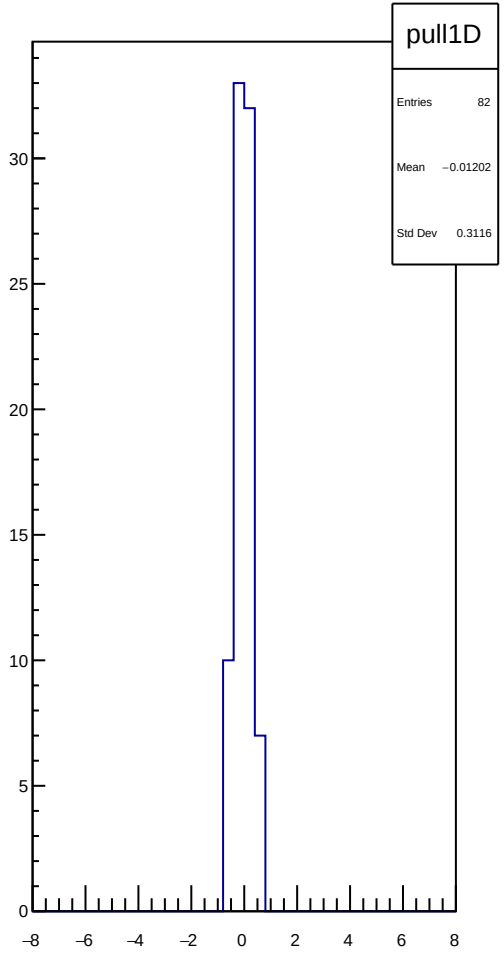

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 9.562 / 81
p0 −69.88 ± 4.76
pull
Entries 82
Mean −104.2
Std Dev 142.5

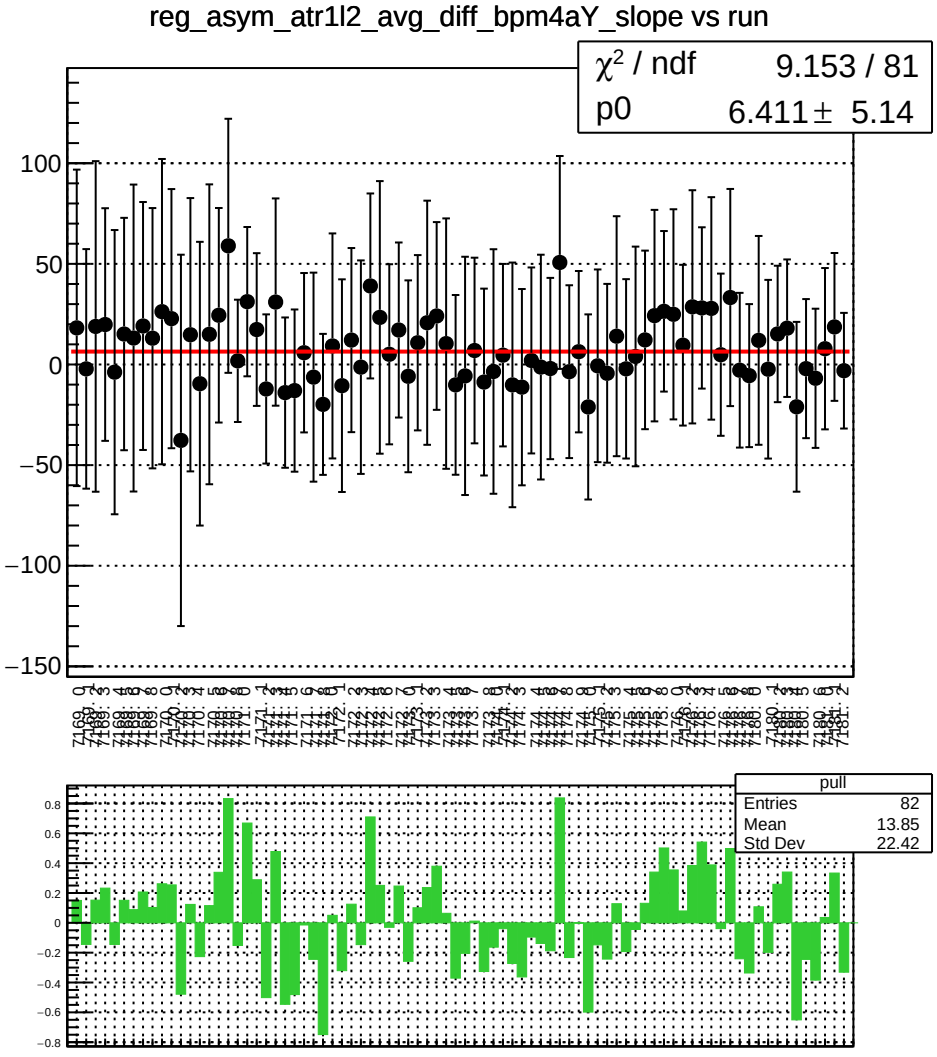

pull1D
Entries 82
Mean 0.01265
Std Dev 0.3412

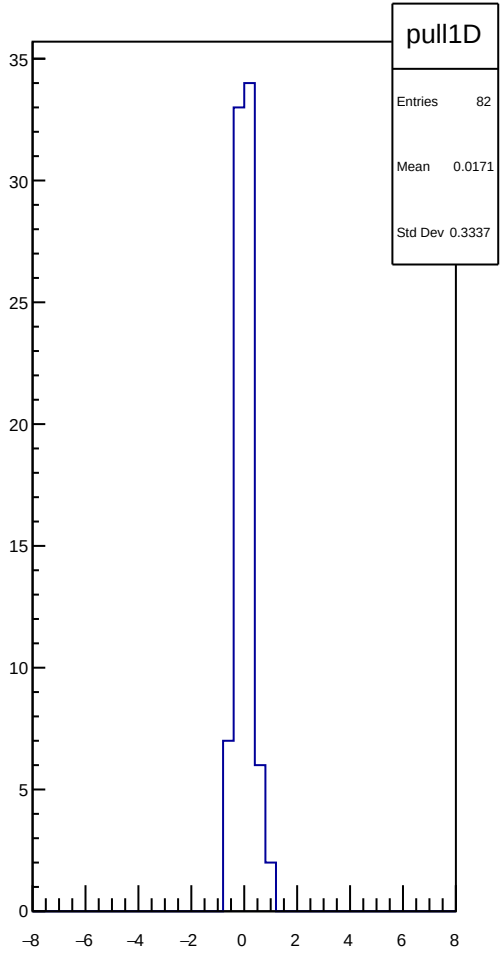

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.12 / 81
p0 122.2 ± 0.2241
126
124
122
120
118
pull
Entries 82
Mean −64.75
Std Dev 66.52
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

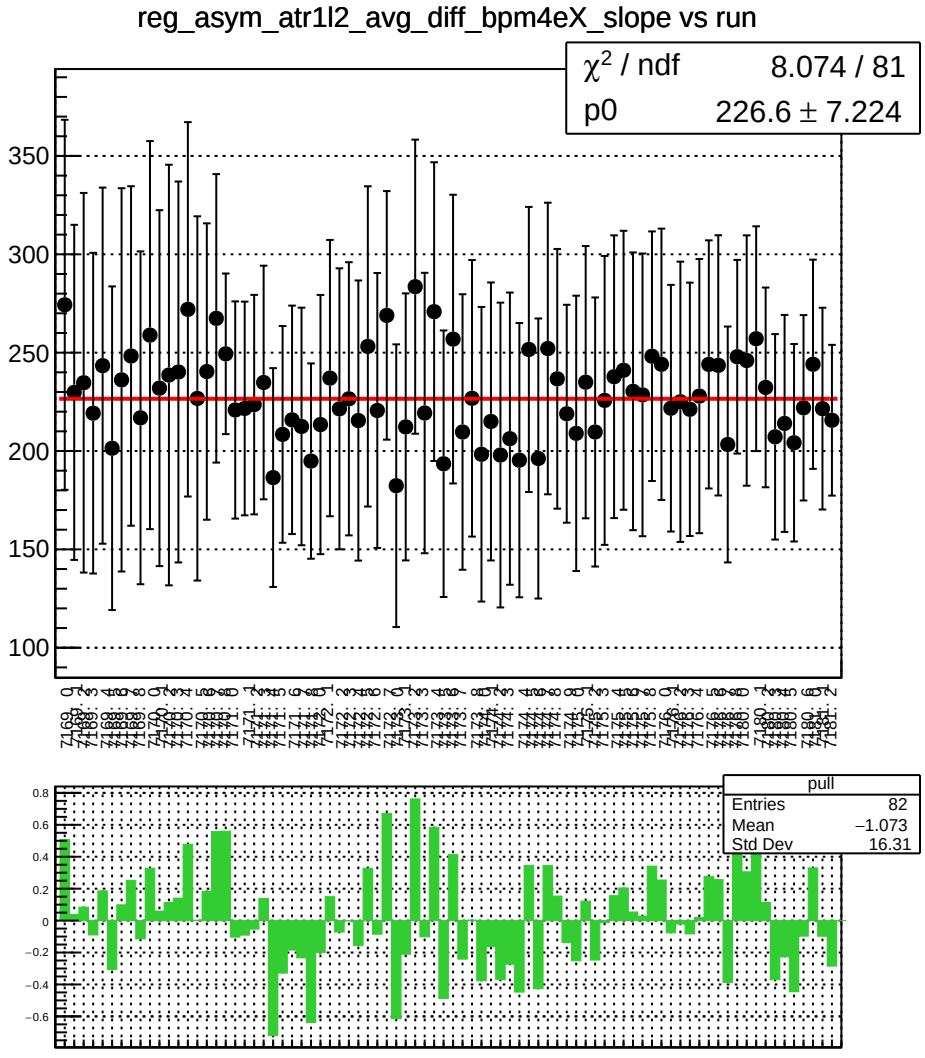

pull1D
Entries 82
Mean −0.01253
Std Dev 0.4147
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

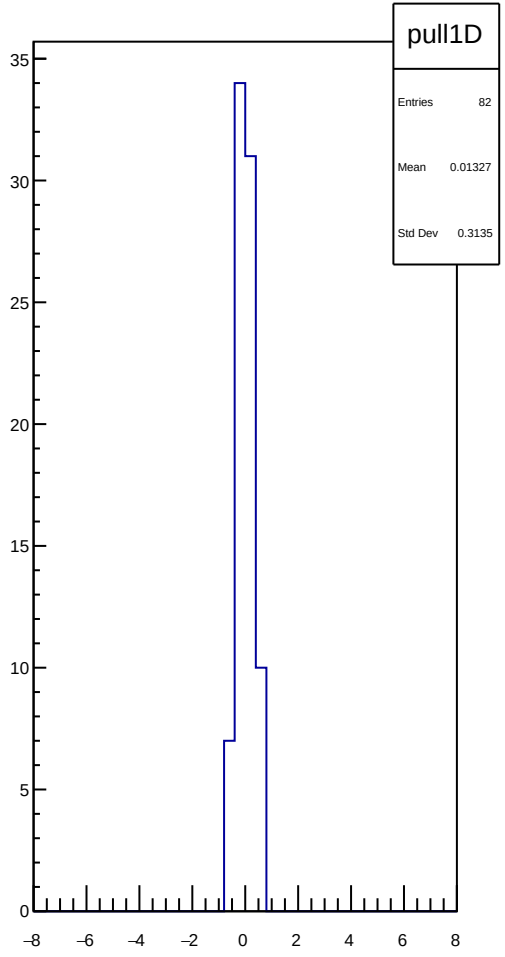

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.974 / 81
p0 −289.5 ± 7.229
pull
Entries 82
Mean −3.965
Std Dev 13.34

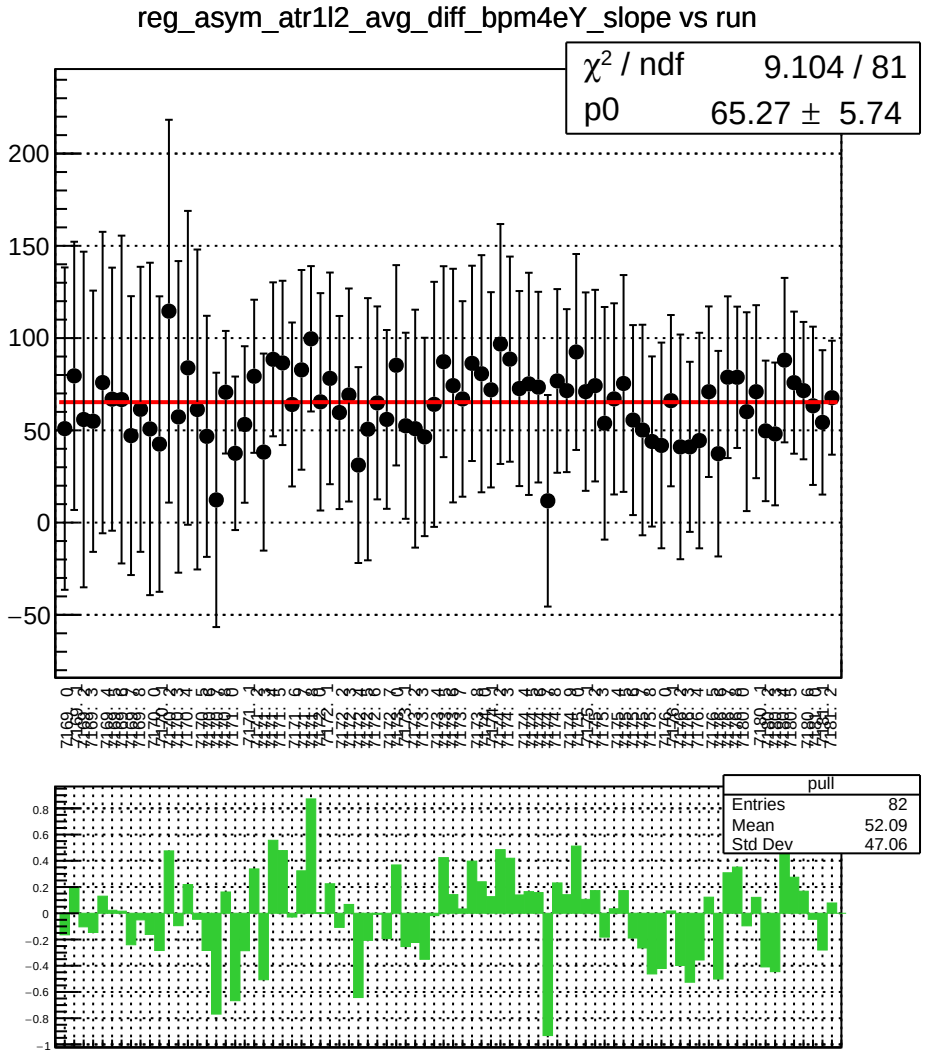

pull1D
Entries 82
Mean −0.01202
Std Dev 0.3116

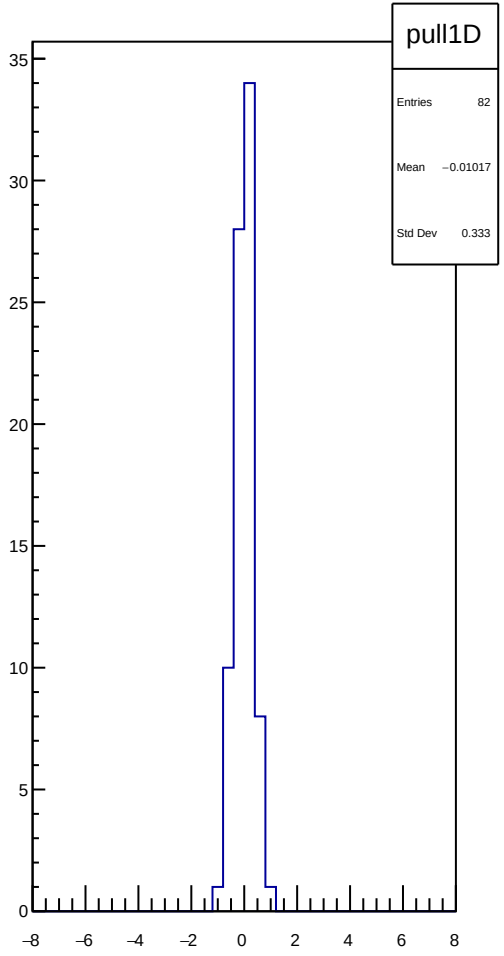

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.153 / 81
p0 6.411 ± 5.14
pull
Entries 82
Mean 13.85
Std Dev 22.42

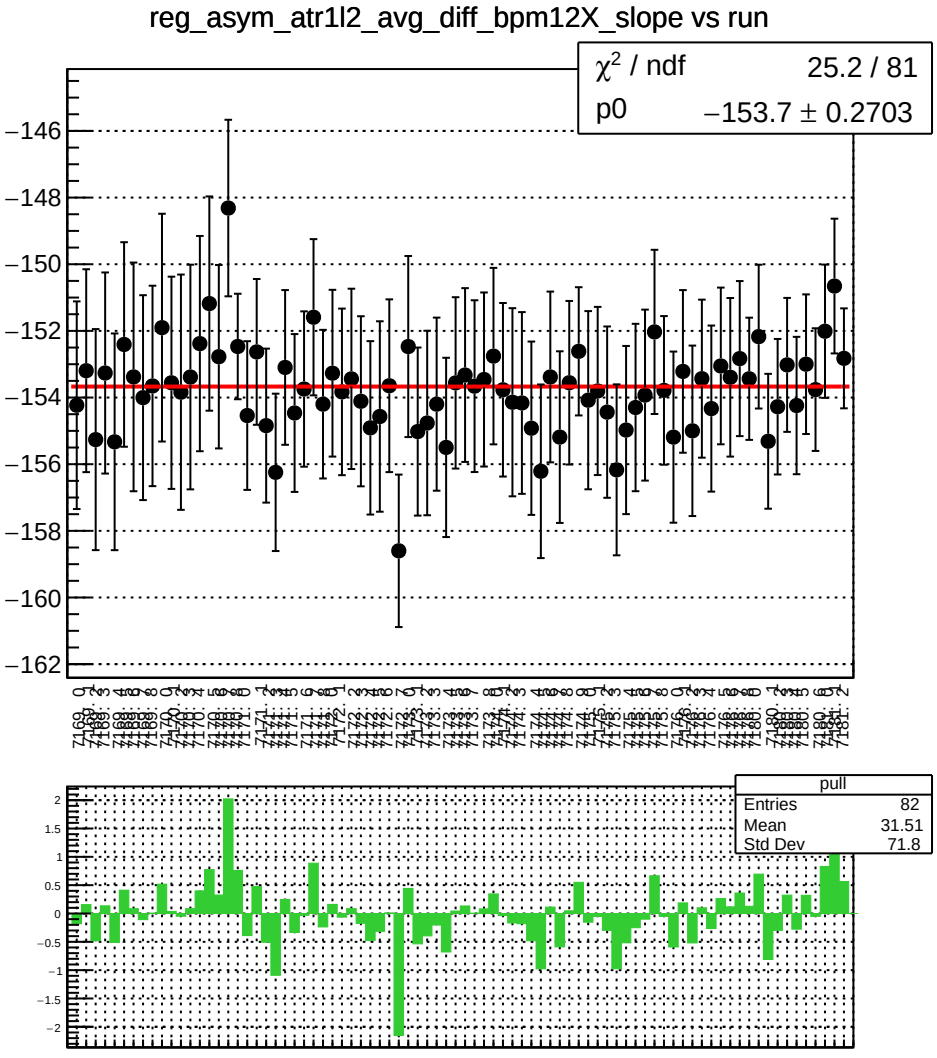

pull1D
Entries 82
Mean 0.0171
Std Dev 0.3337

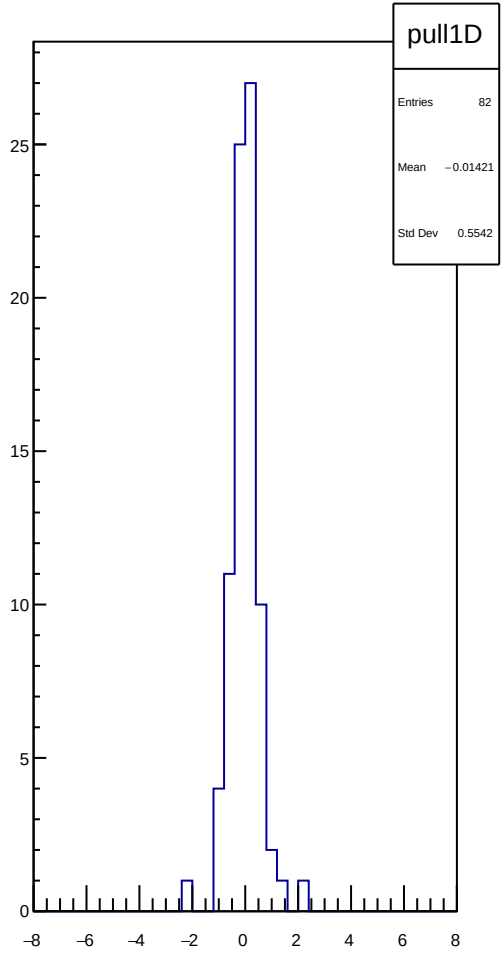

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.074 / 81
p0 226.6 ± 7.224
pull
Entries 82
Mean −1.073
Std Dev 16.31

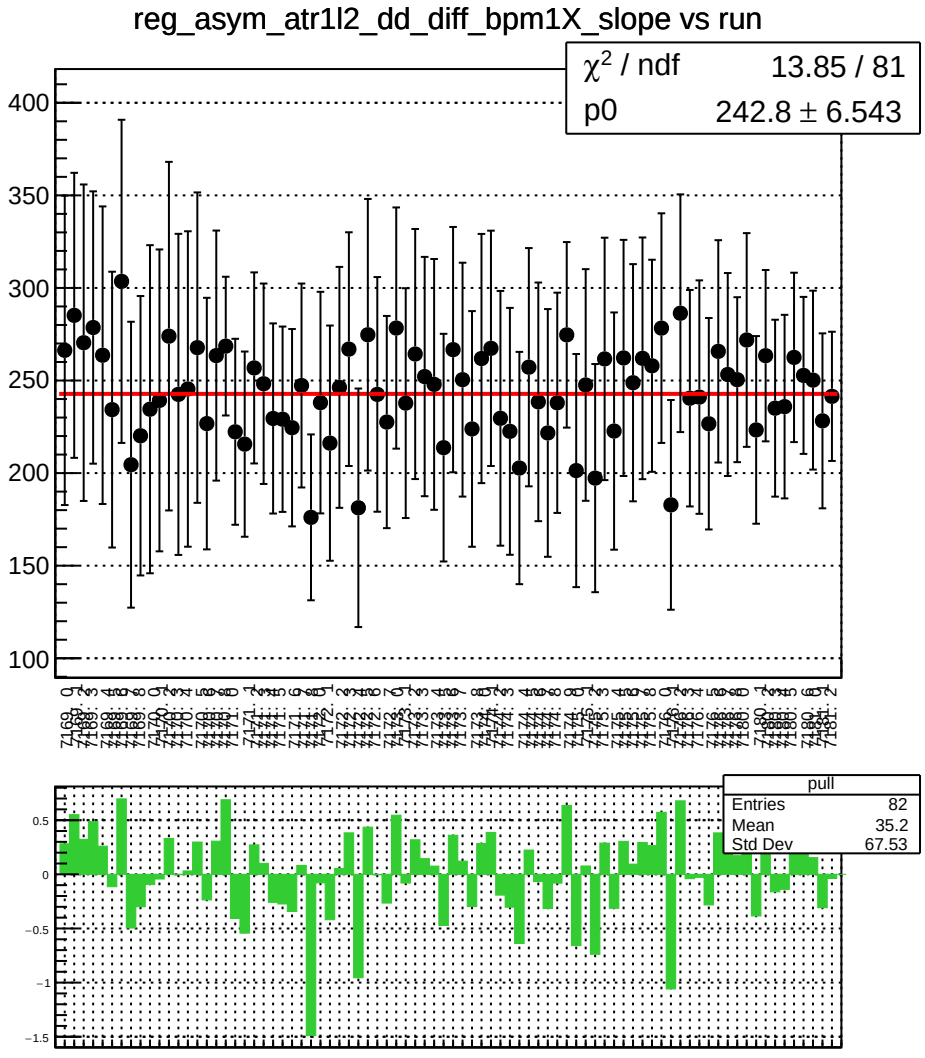

pull1D
Entries 82
Mean 0.01327
Std Dev 0.3135

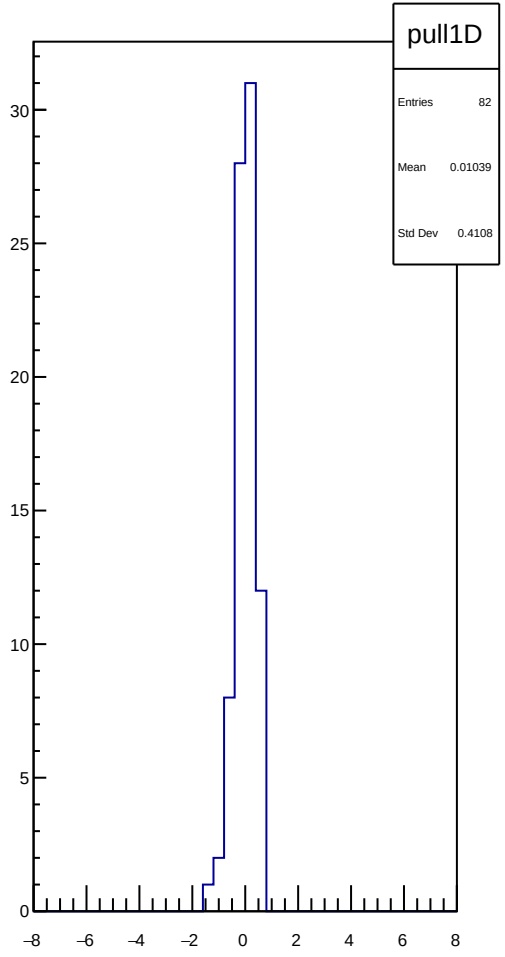

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.104 / 81
p0 65.27 ± 5.74
pull
Entries 82
Mean 52.09
Std Dev 47.06

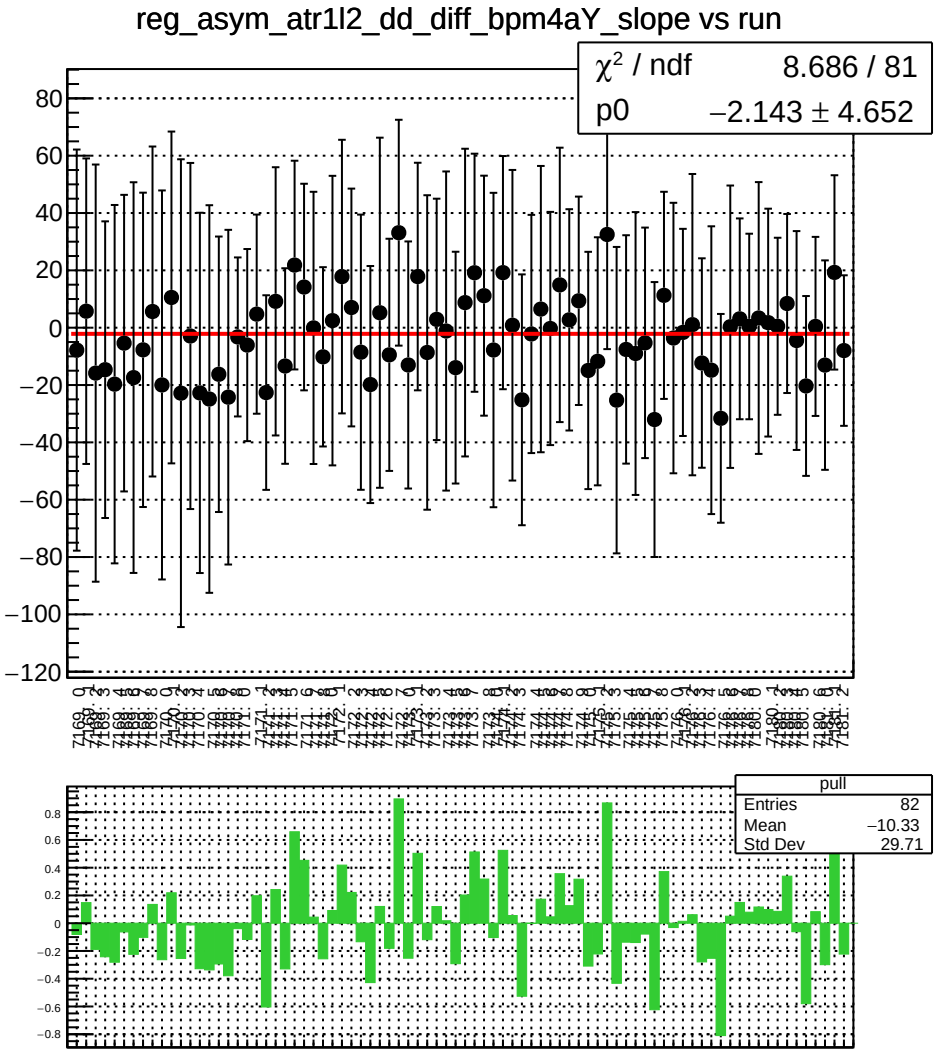

pull1D
Entries 82
Mean −0.01017
Std Dev 0.333

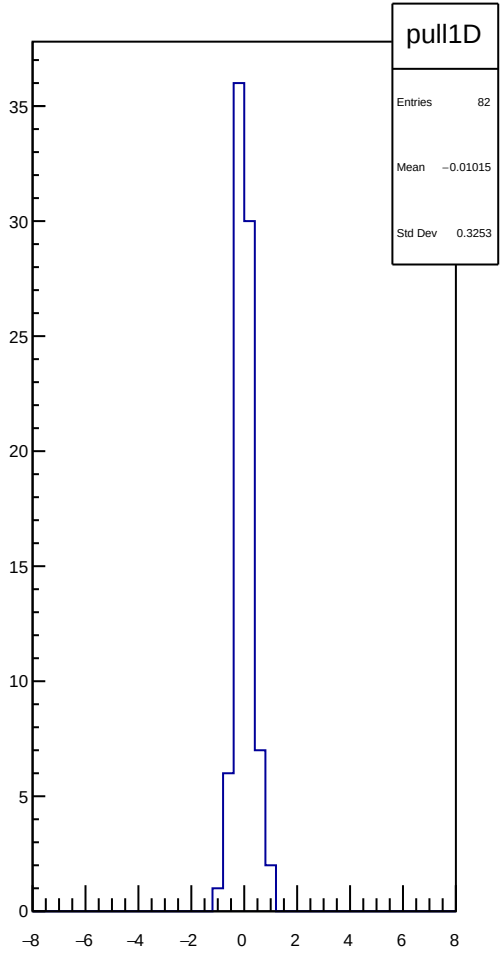

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 25.2 / 81
p0 −153.7 ± 0.2703
pull
Entries 82
Mean 31.51
Std Dev 71.8

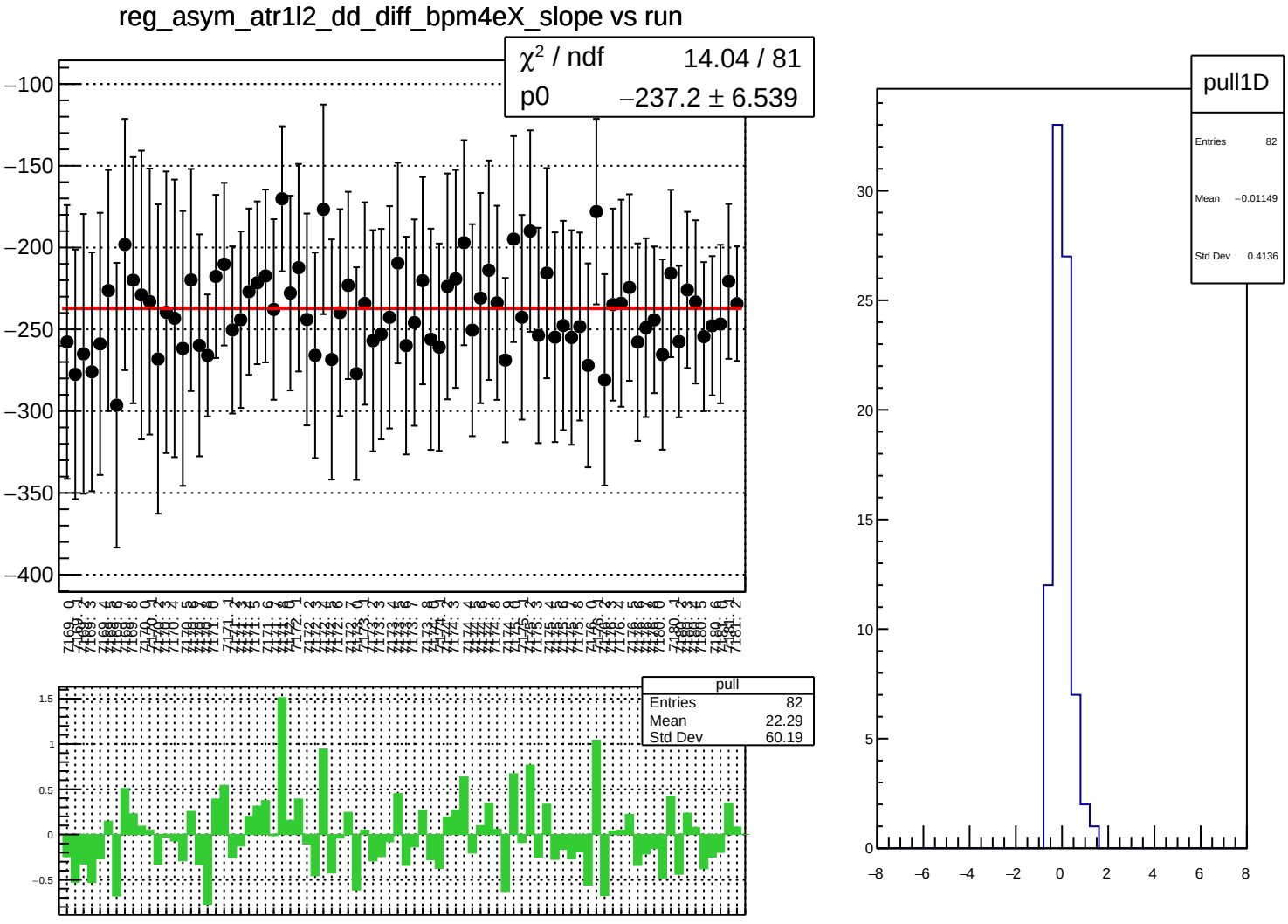

pull1D
Entries 82
Mean −0.01421
Std Dev 0.5542

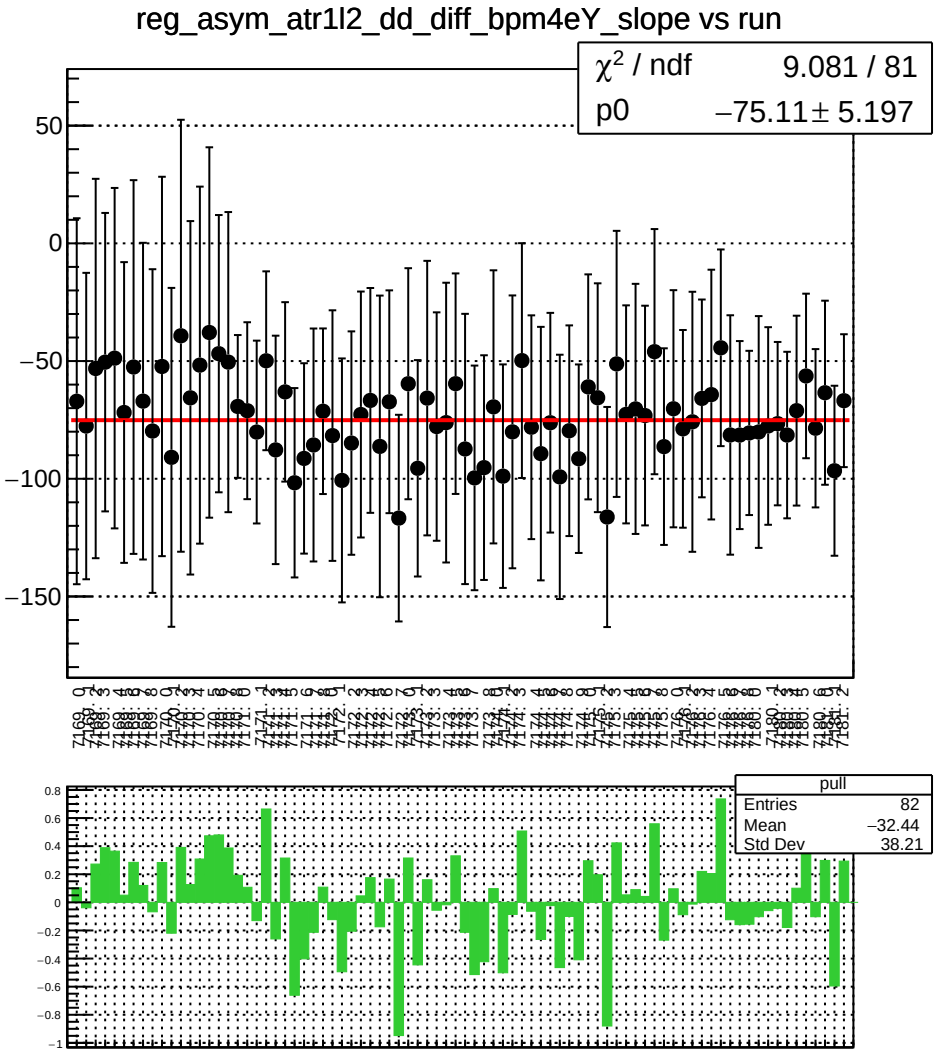

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 13.85 / 81
p0 242.8 ± 6.543
pull
Entries 82
Mean 35.2
Std Dev 67.53

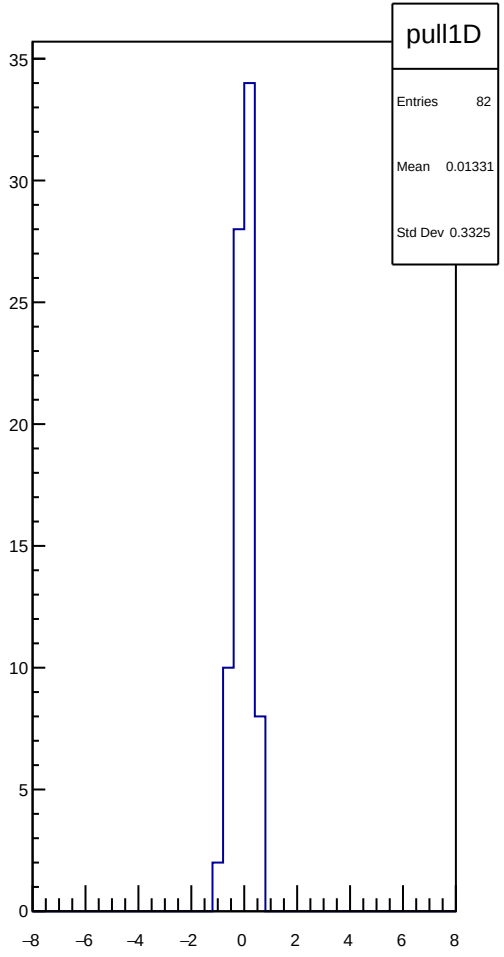

pull1D
Entries 82
Mean 0.01039
Std Dev 0.4108

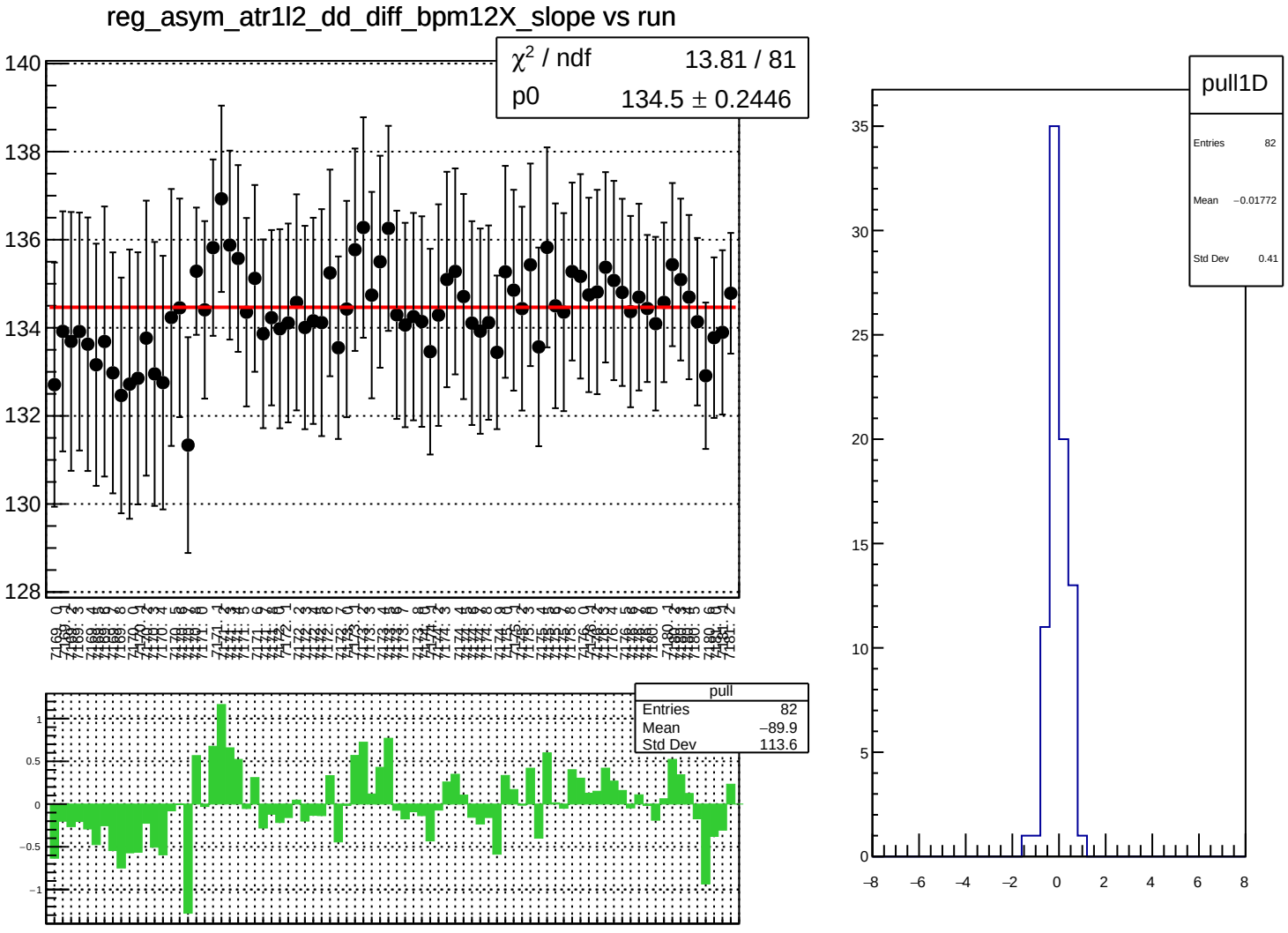

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.686 / 81
p0 −2.143 ± 4.652
pull
Entries 82
Mean −10.33
Std Dev 29.71

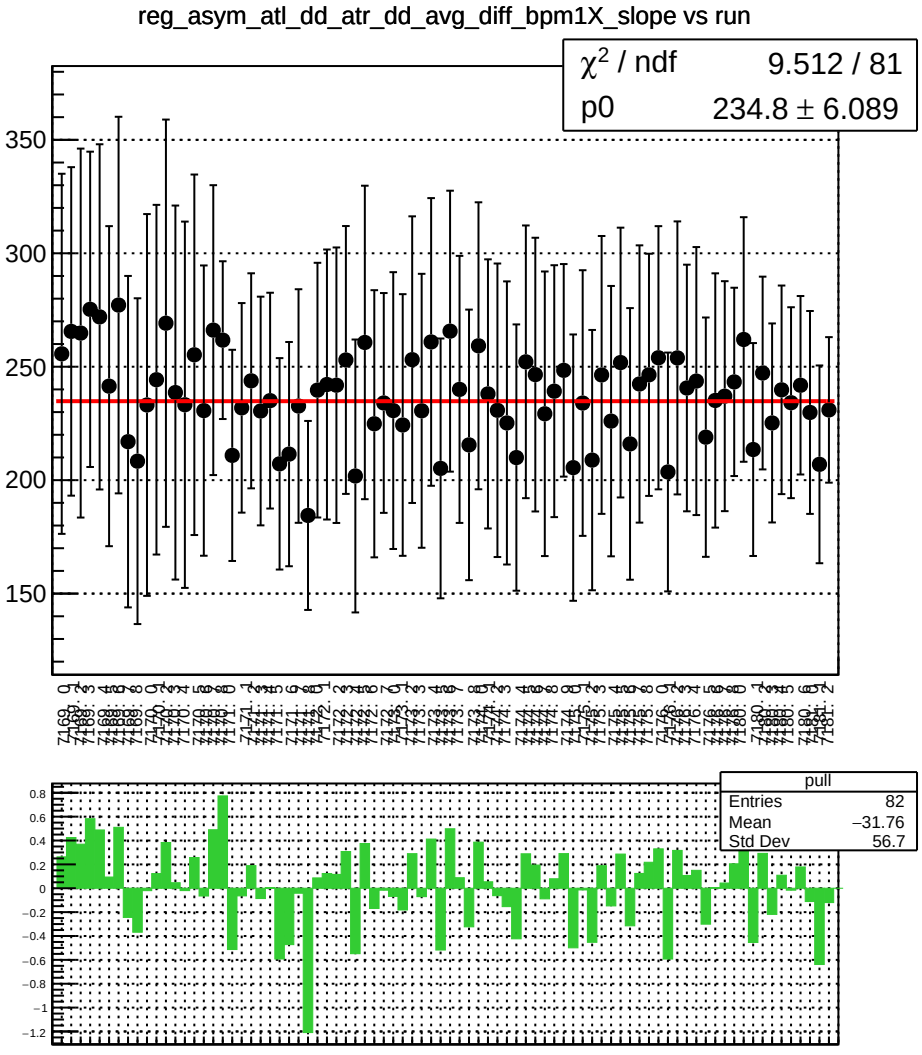

pull1D
Entries 82
Mean −0.01015
Std Dev 0.3253

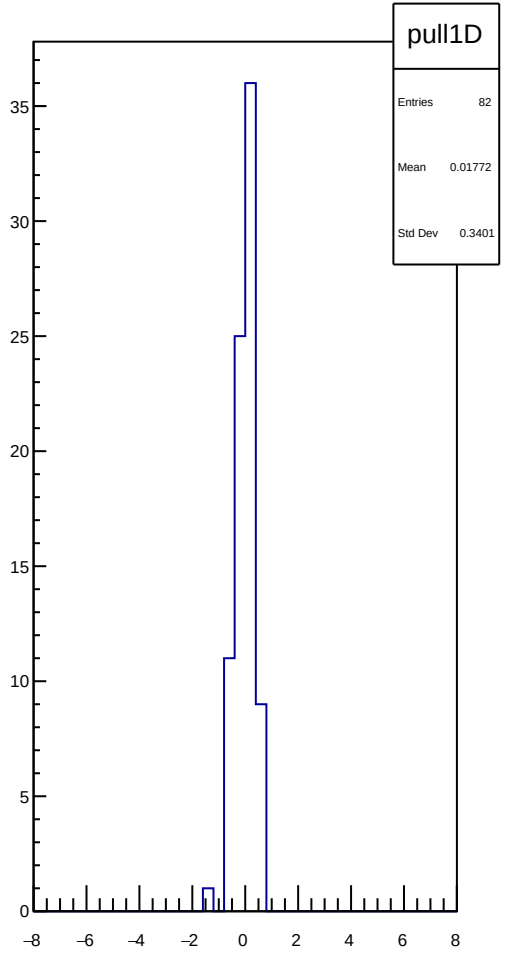

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.04 / 81
p0 −237.2 ± 6.539
pull
Entries 82
Mean 22.29
Std Dev 60.19
pull1D
Entries 82
Mean −0.01149
Std Dev 0.4136

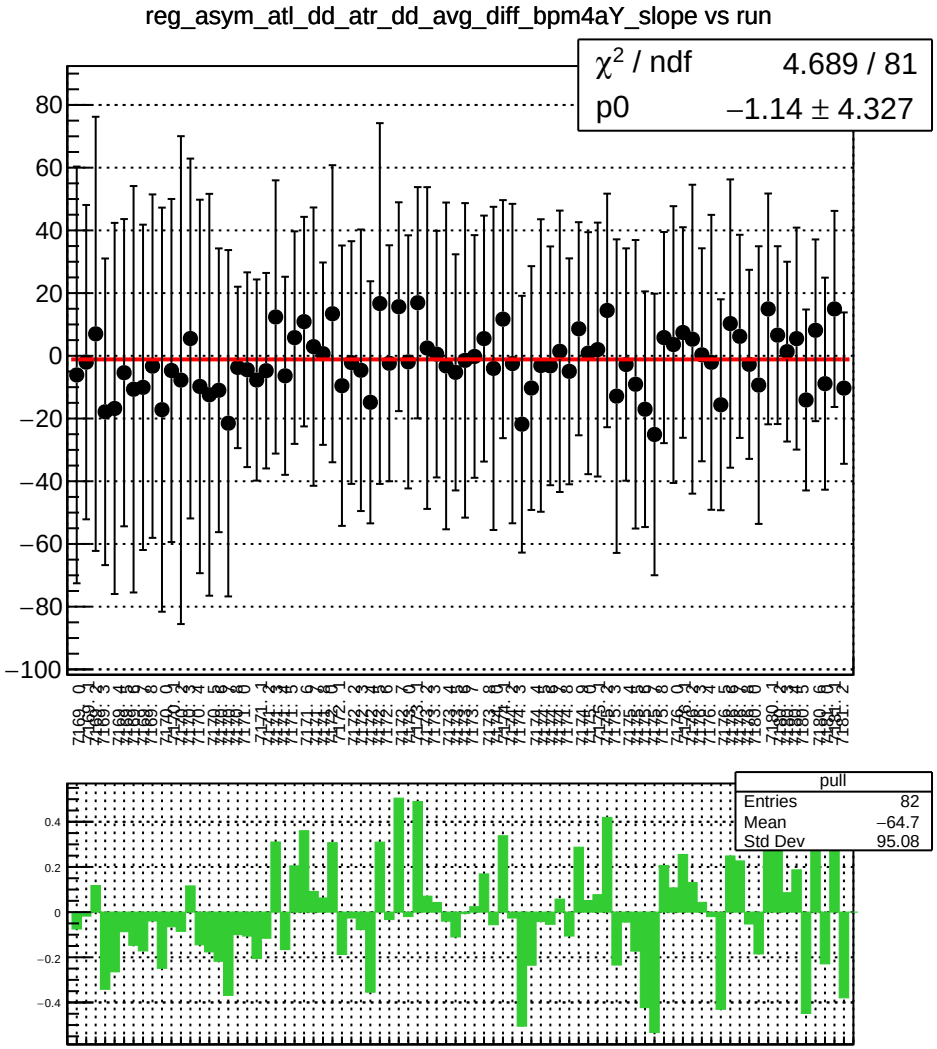

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.081 / 81
p0 −75.11 ± 5.197
pull
Entries 82
Mean −32.44
Std Dev 38.21

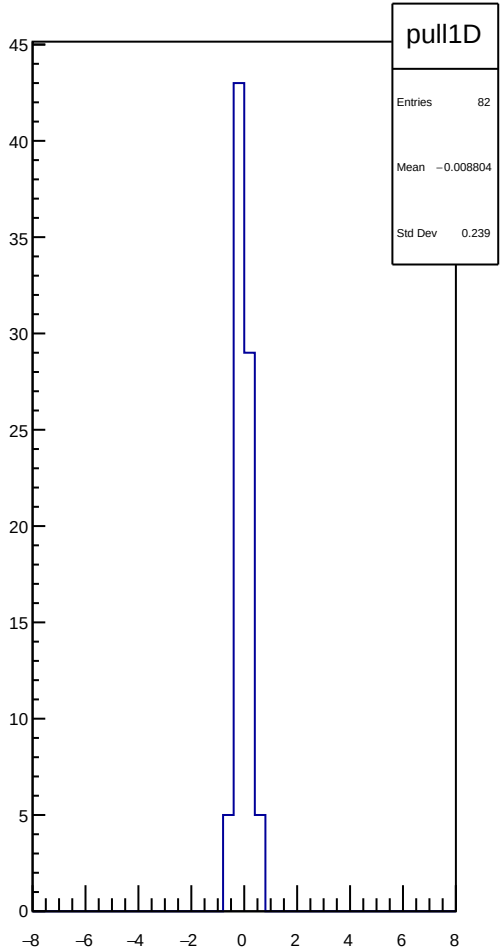

pull1D
Entries 82
Mean 0.01331
Std Dev 0.3325

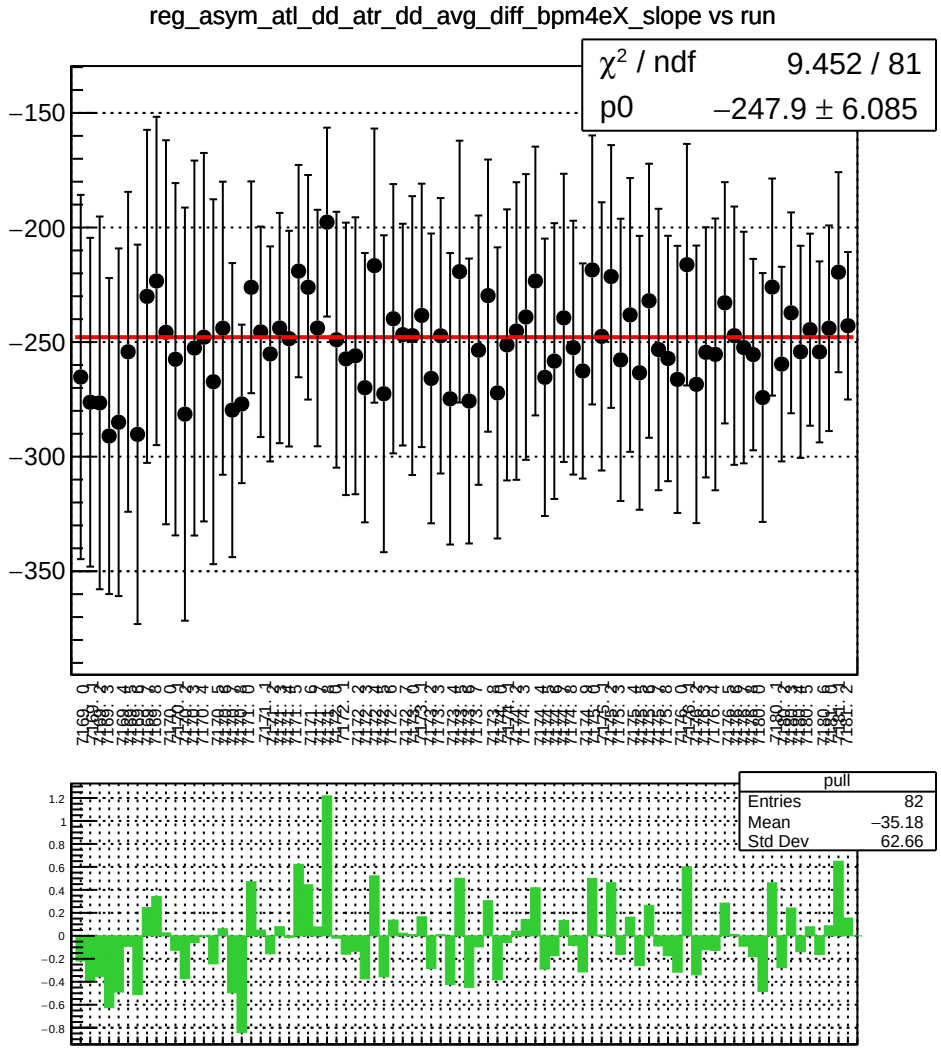

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.81 / 81
p0 134.5 ± 0.2446
pull
Entries 82
Mean −89.9
Std Dev 113.6
pull1D
Entries 82
Mean −0.01772
Std Dev 0.41

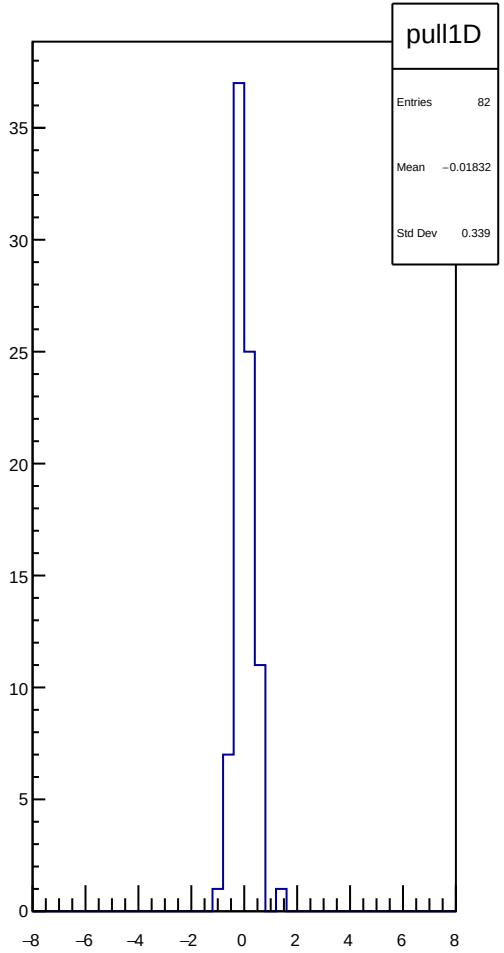

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ2 / ndf 9.512 / 81
p0 234.8 ± 6.089
pull
Entries 82
Mean −31.76
Std Dev 56.7

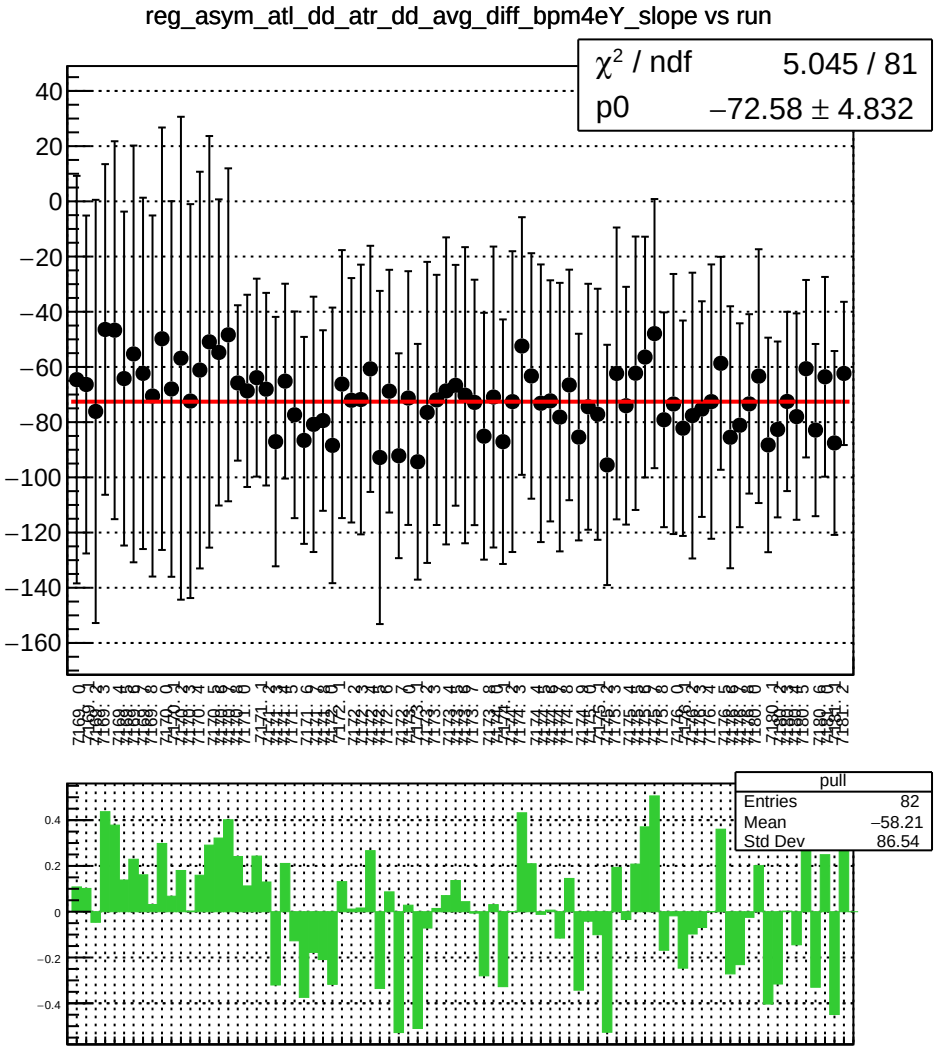

pull1D
Entries 82
Mean 0.01772
Std Dev 0.3401

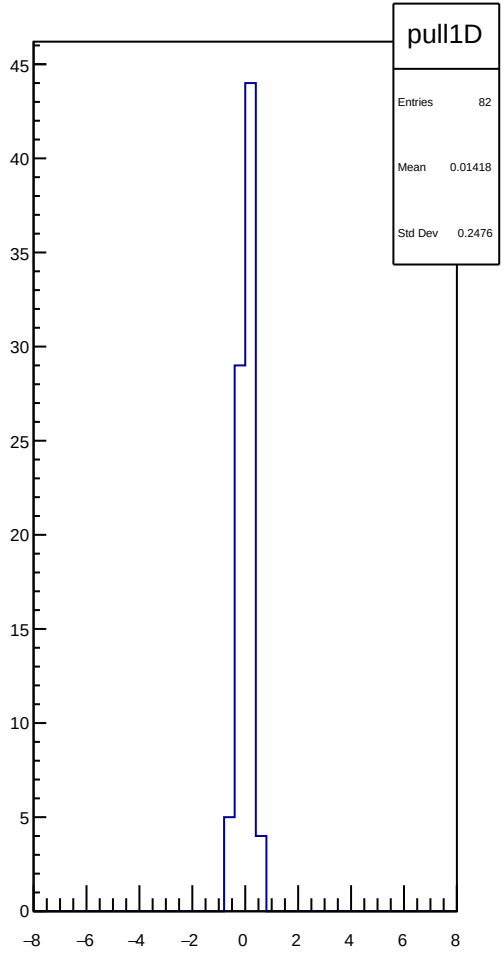

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.689 / 81
p0 −1.14 ± 4.327
pull
Entries 82
Mean −64.7
Std Dev 95.08

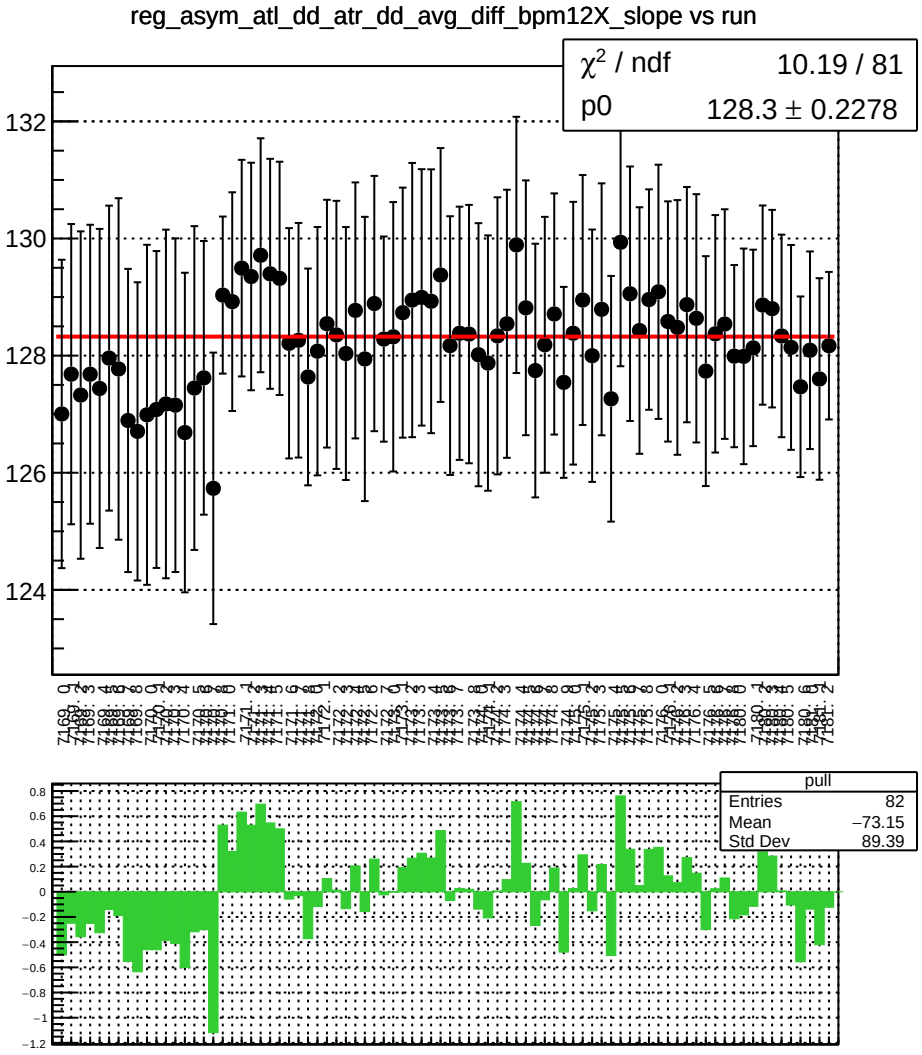

pull1D
Entries 82
Mean −0.008804
Std Dev 0.239

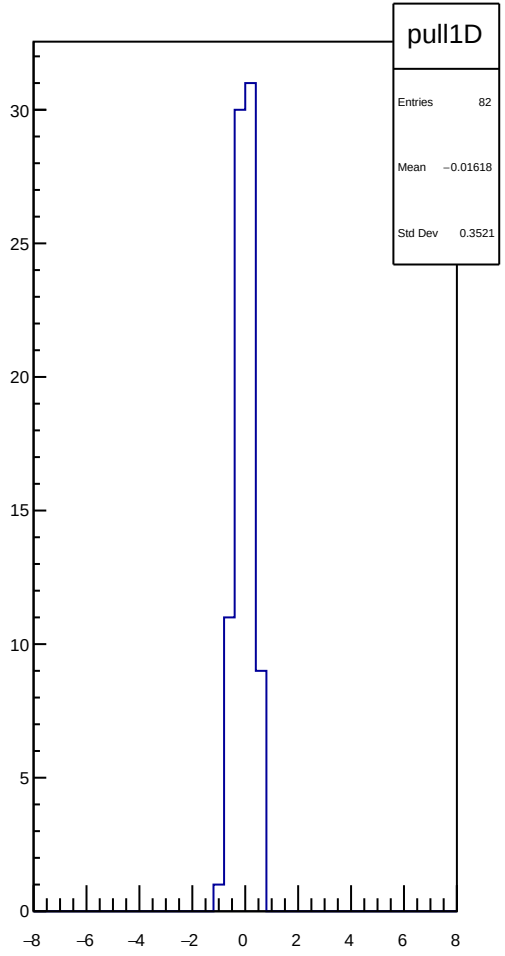

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.452 / 81
p0 −247.9 ± 6.085
pull
Entries 82
Mean −35.18
Std Dev 62.66


pull1D
Entries 82
Mean −0.01832
Std Dev 0.339

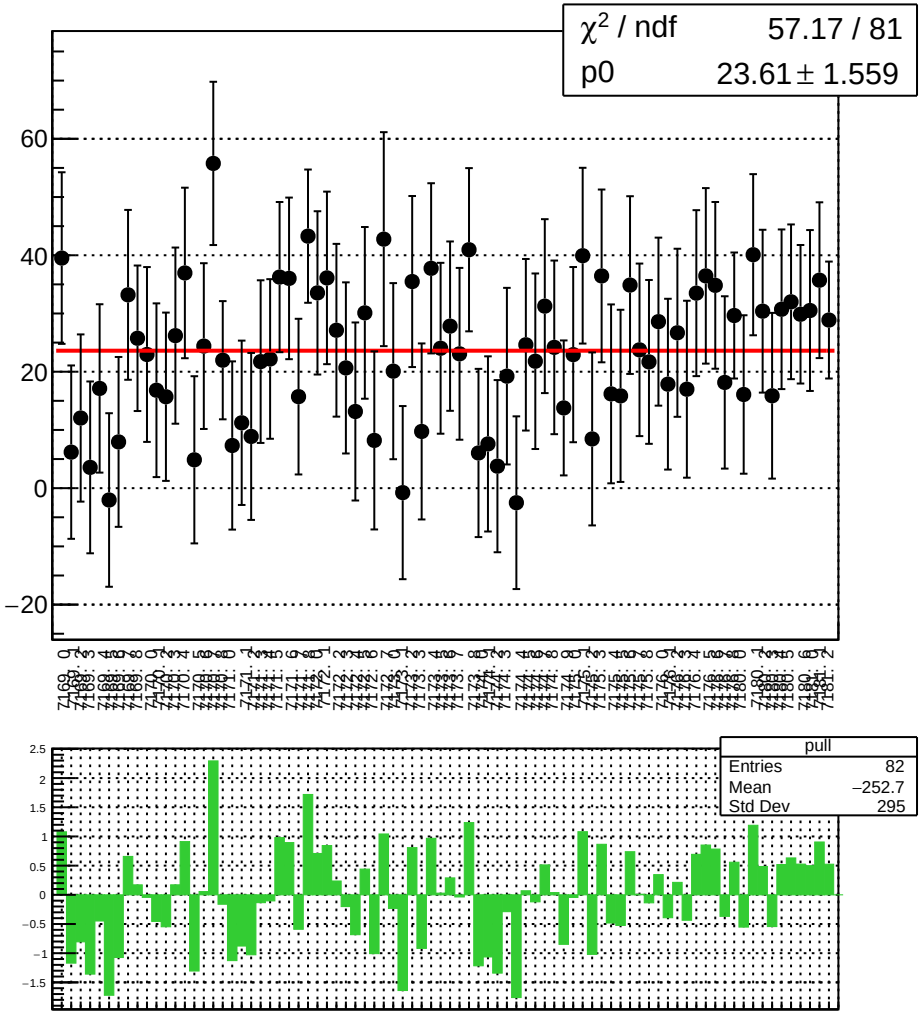

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.045 / 81
p0 −72.58 ± 4.832
pull
Entries 82
Mean −58.21
Std Dev 86.54

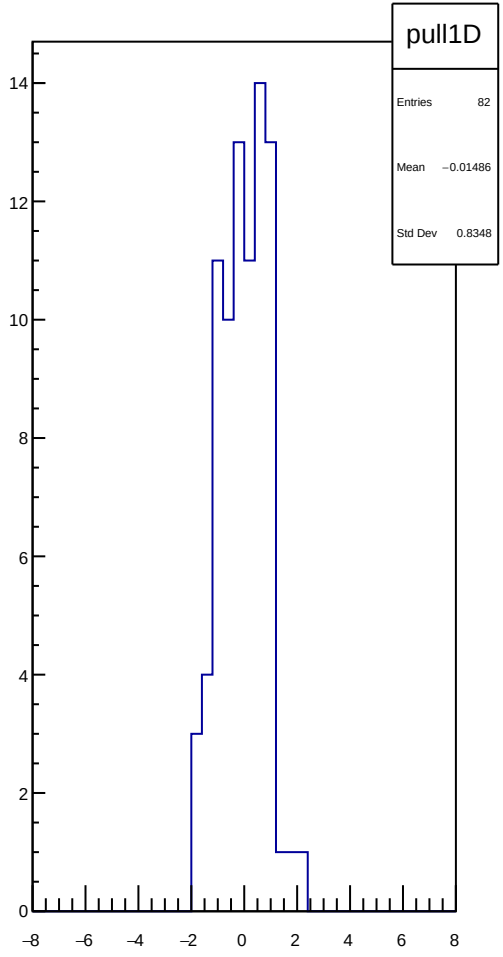

pull1D
Entries 82
Mean 0.01418
Std Dev 0.2476

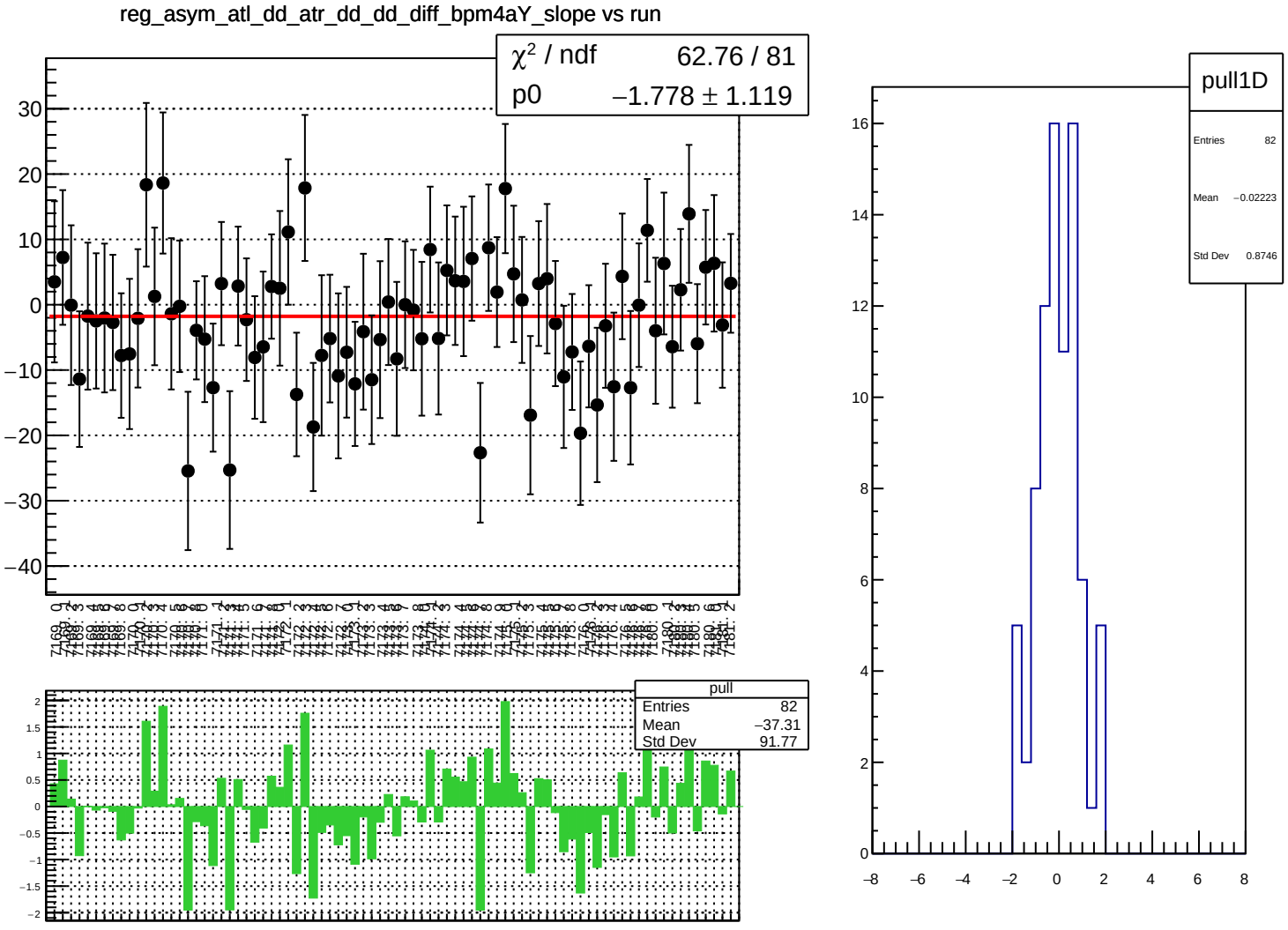

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ^2 / ndf 10.19 / 81
p0 128.3 ± 0.2278
pull
Entries 82
Mean −73.15
Std Dev 89.39

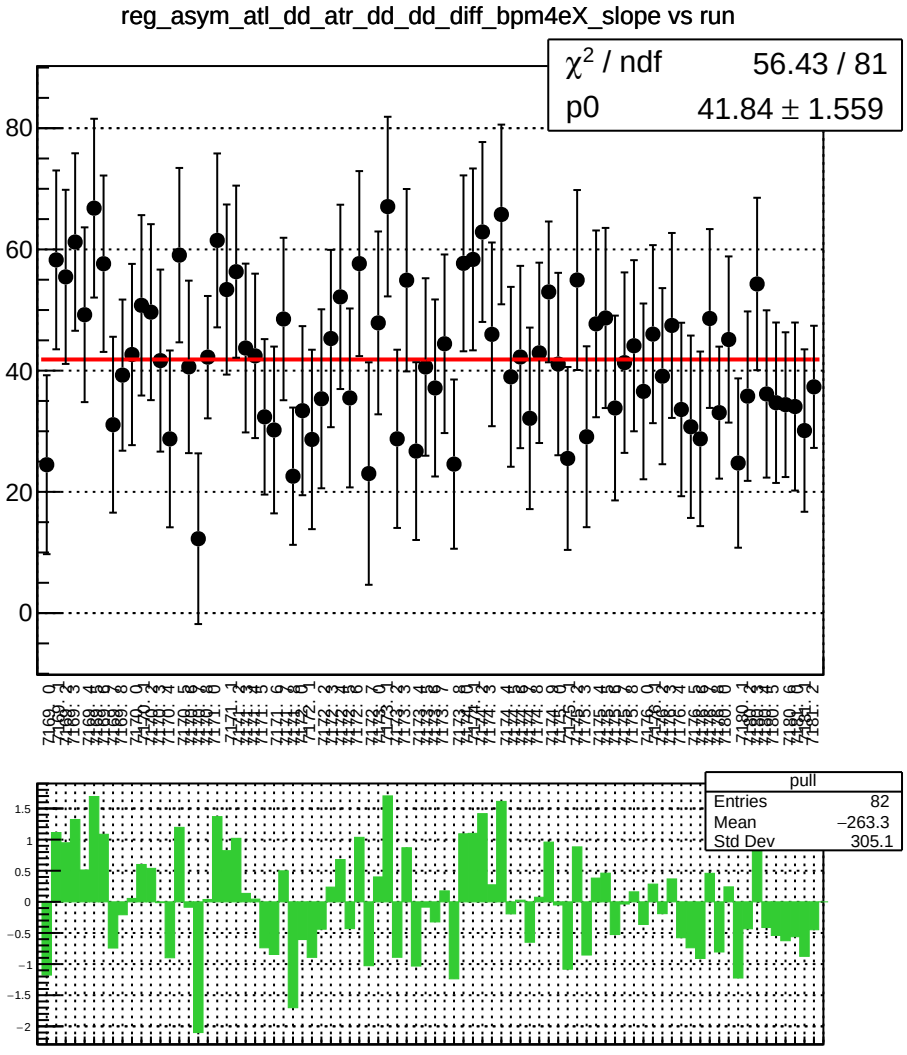

pull1D
Entries 82
Mean −0.01618
Std Dev 0.3521

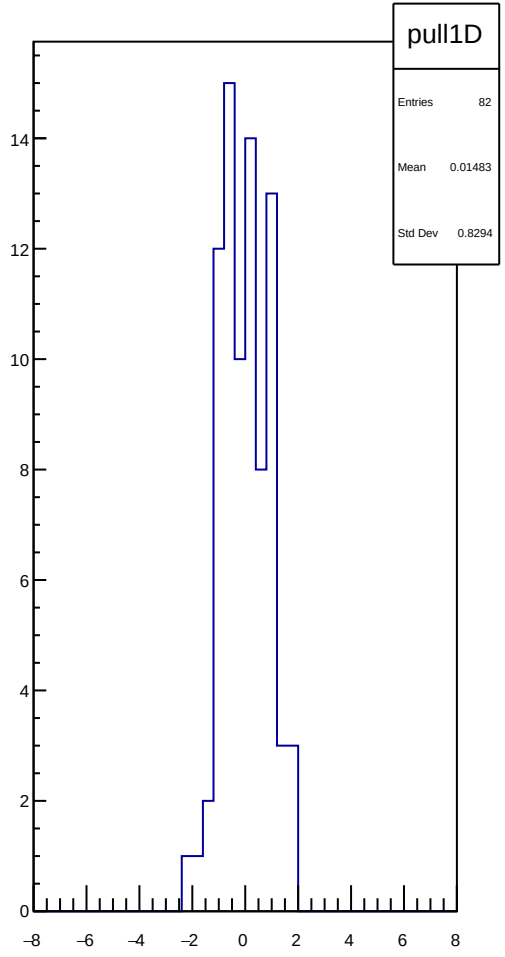
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

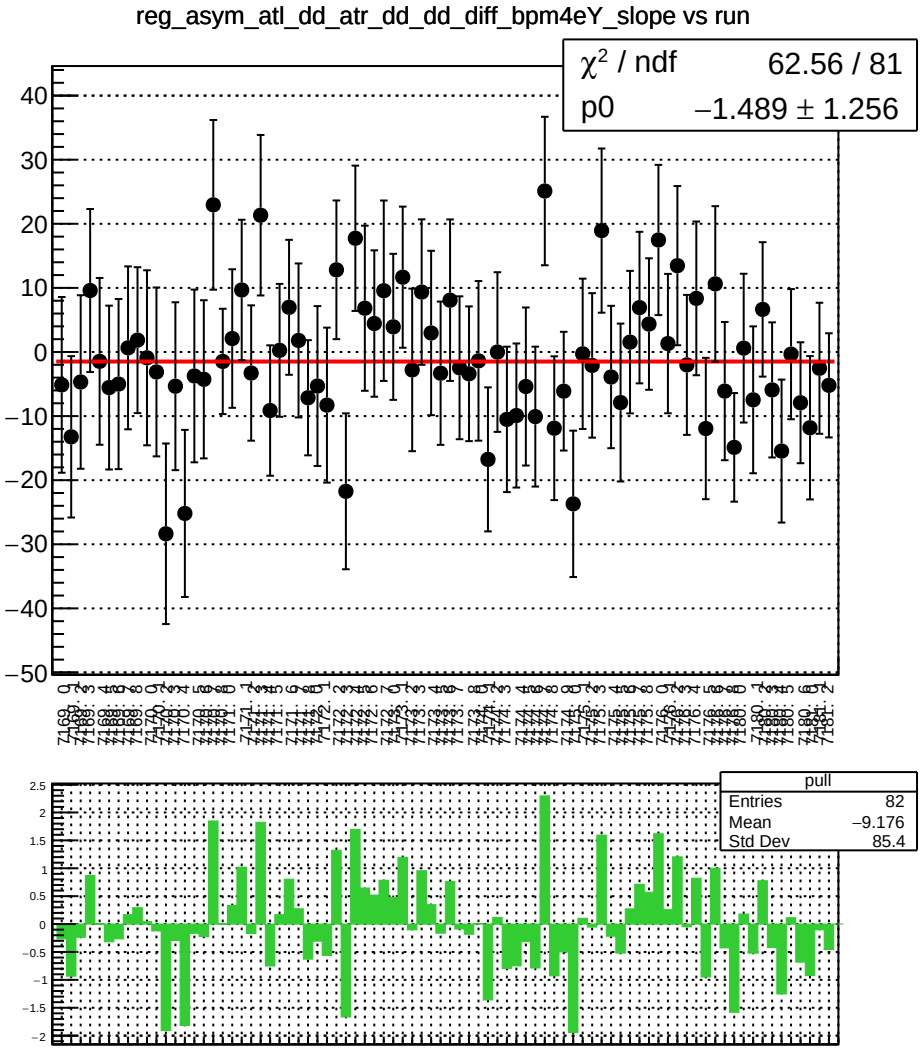


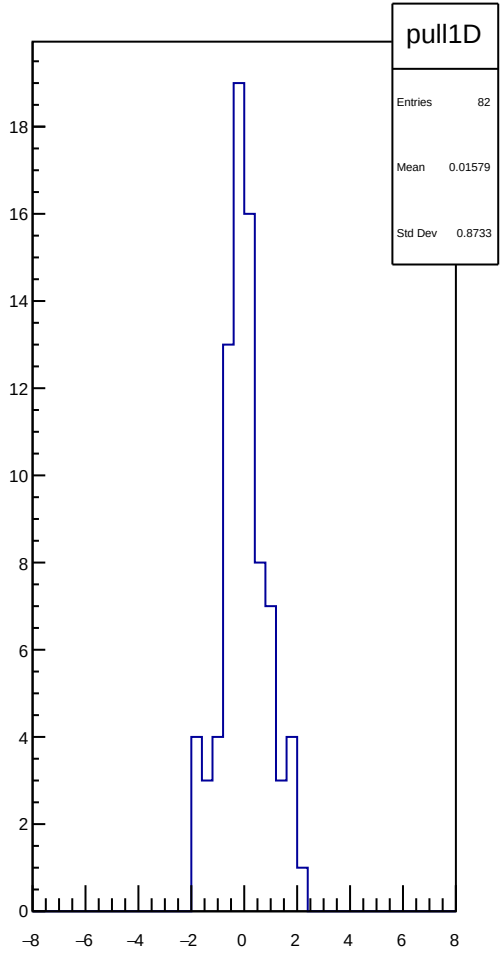


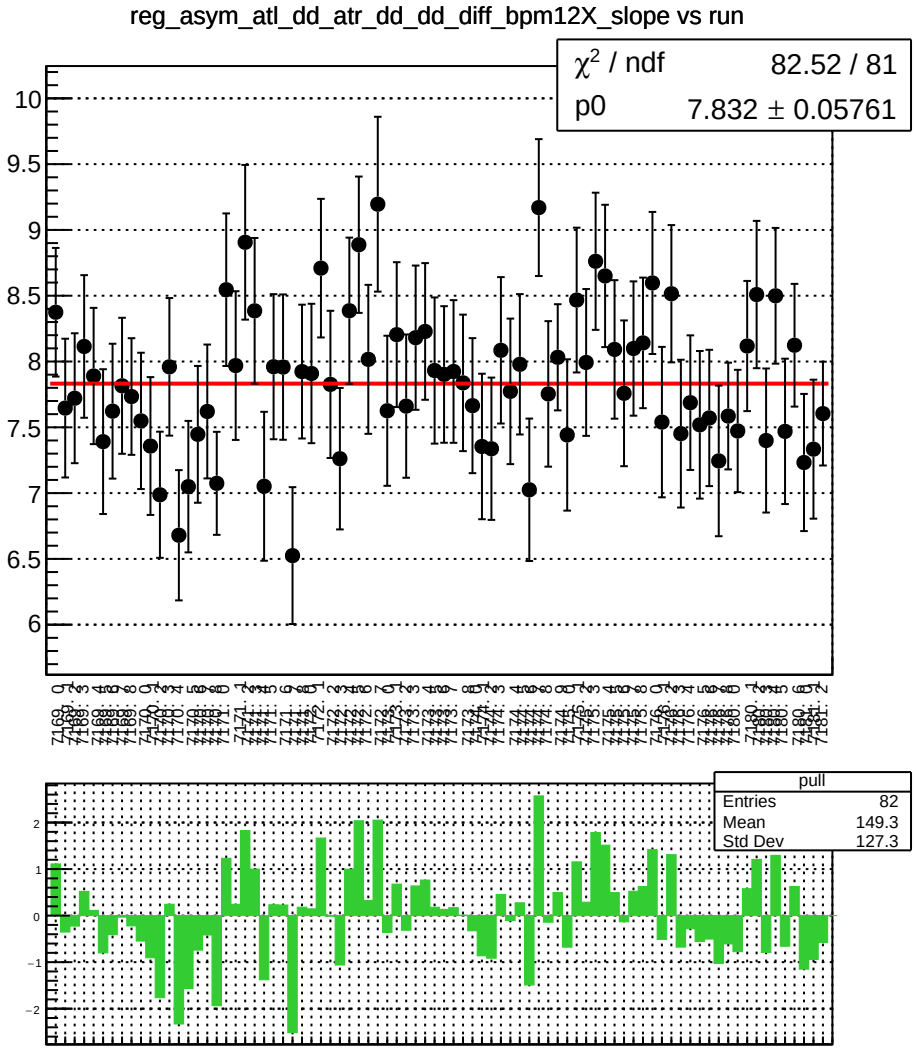

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.76 / 81
p0 −1.778 ± 1.119
pull
Entries 82
Mean −37.31
Std Dev 91.77
pull1D
Entries 82
Mean −0.02223
Std Dev 0.8746

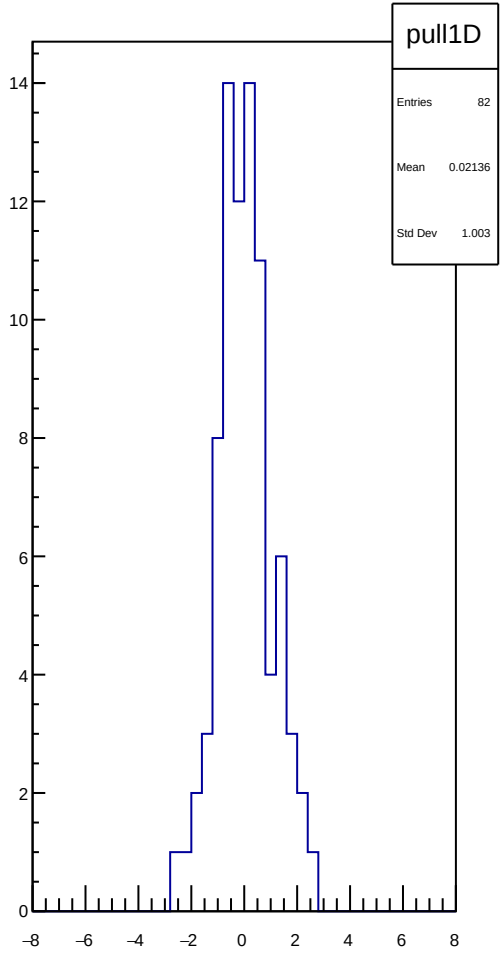

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ2 / ndf 56.43 / 81
p0 41.84 ± 1.559
pull
Entries 82
Mean −263.3
Std Dev 305.1

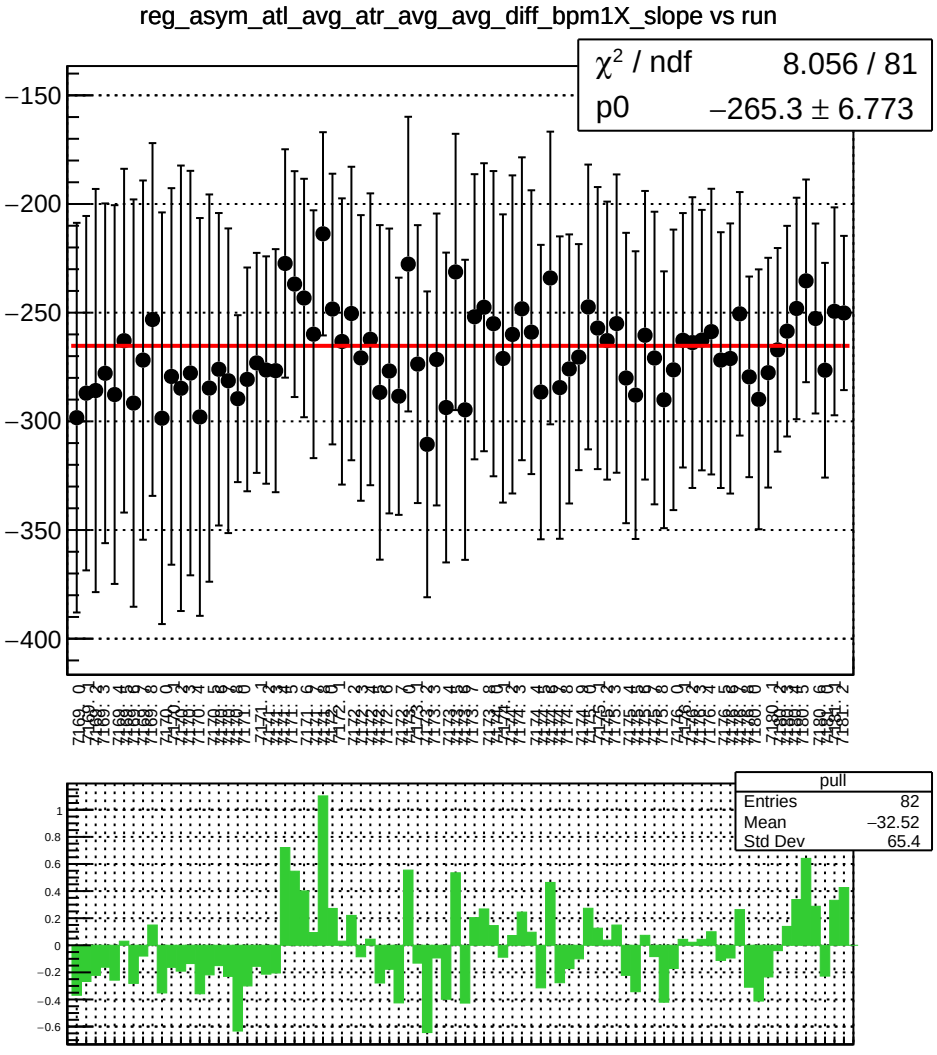

pull1D
Entries 82
Mean 0.01483
Std Dev 0.8294

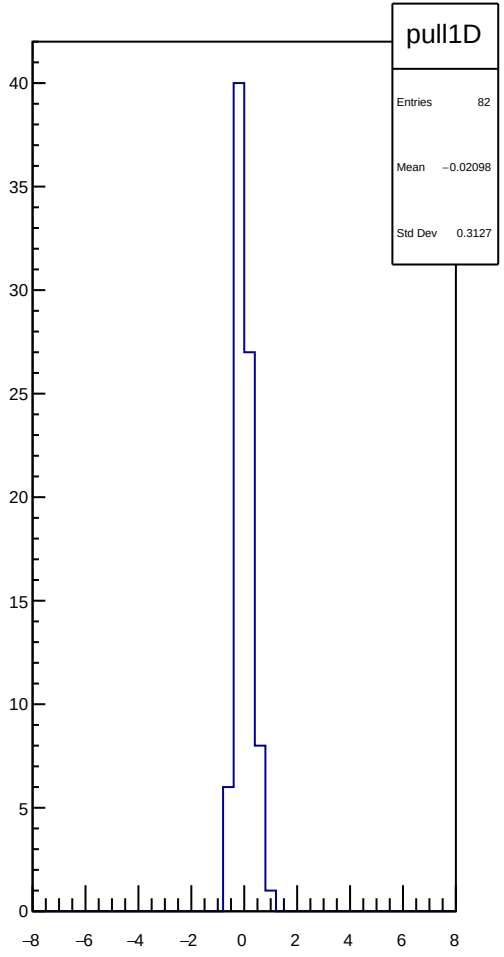

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.56 / 81
p0 −1.489 ± 1.256
pull
Entries 82
Mean −9.176
Std Dev 85.4

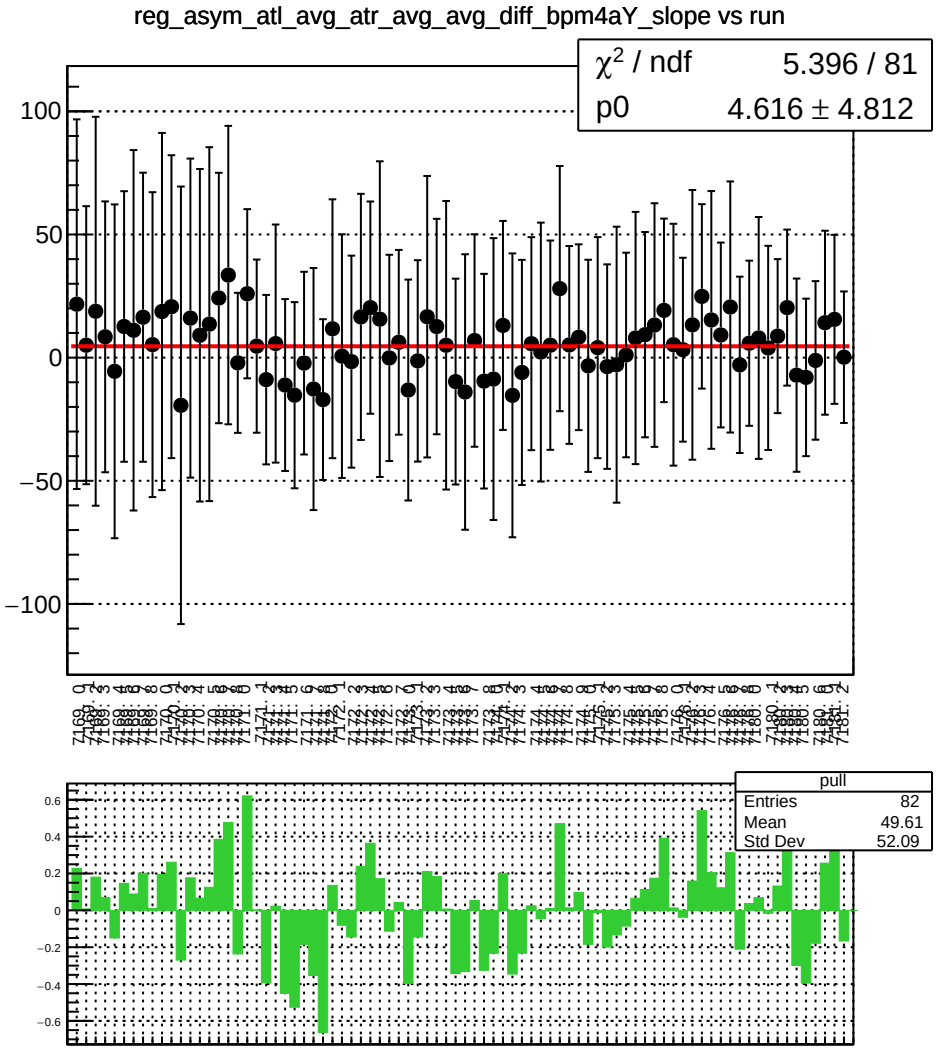

pull1D
Entries 82
Mean 0.01579
Std Dev 0.8733

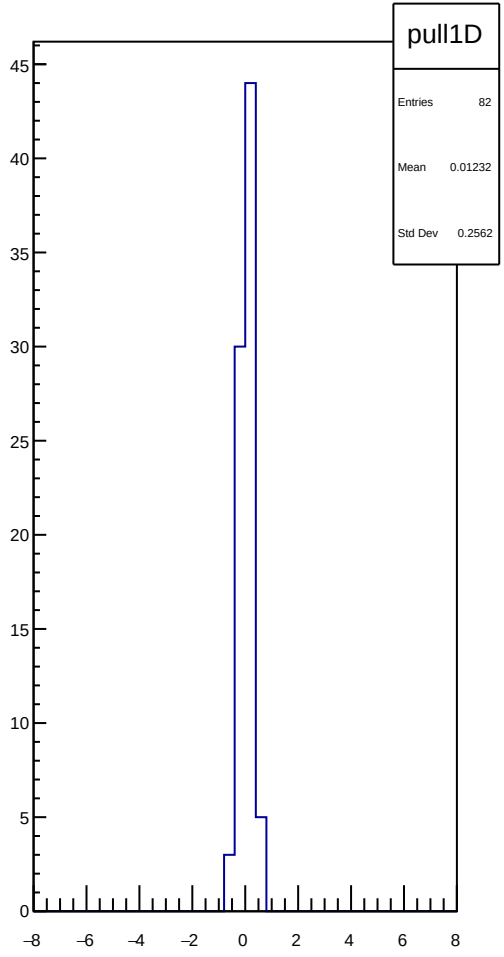

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 82.52 / 81
p0 7.832 ± 0.05761
pull
Entries 82
Mean 149.3
Std Dev 127.3

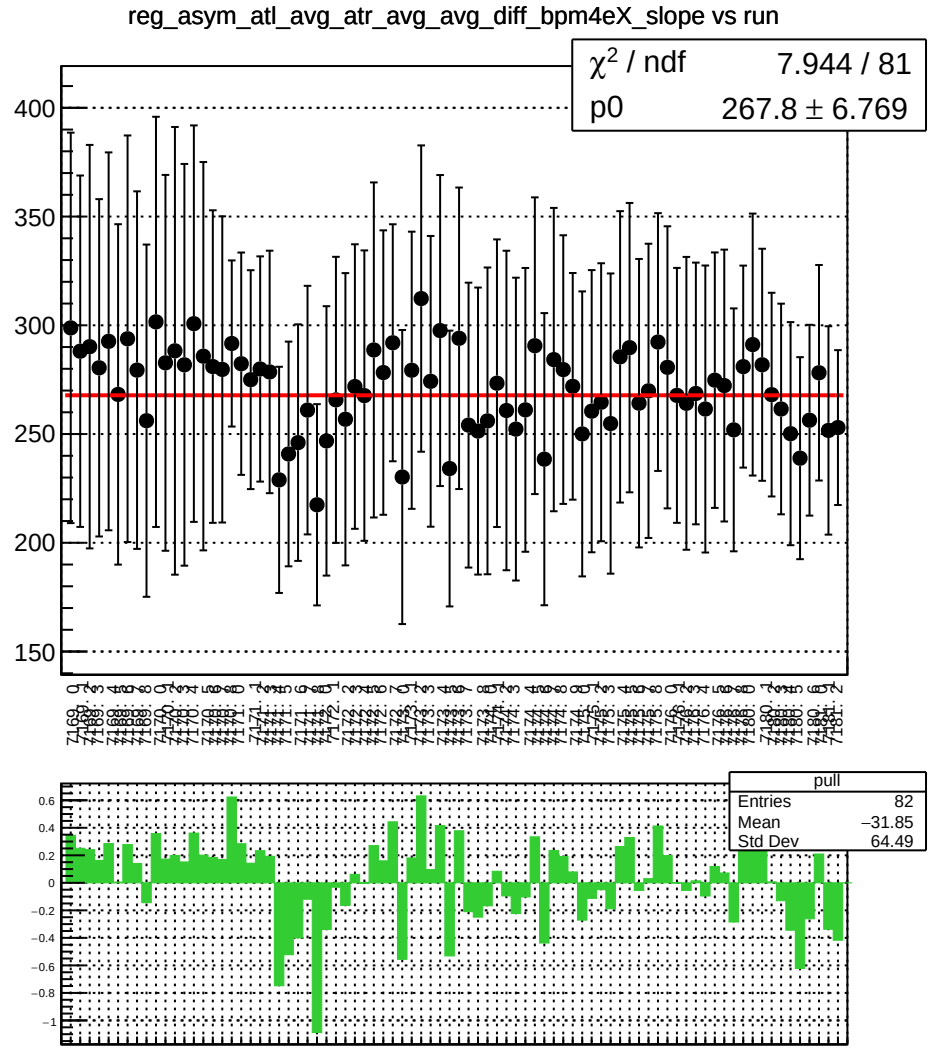

pull1D
Entries 82
Mean 0.02136
Std Dev 1.003

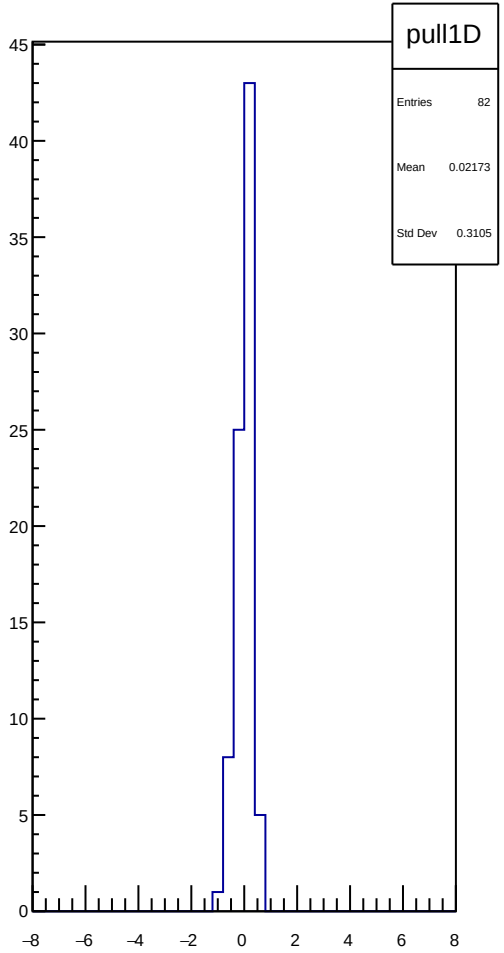

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 8.056 / 81
p0 −265.3 ± 6.773
pull
Entries 82
Mean −32.52
Std Dev 65.4

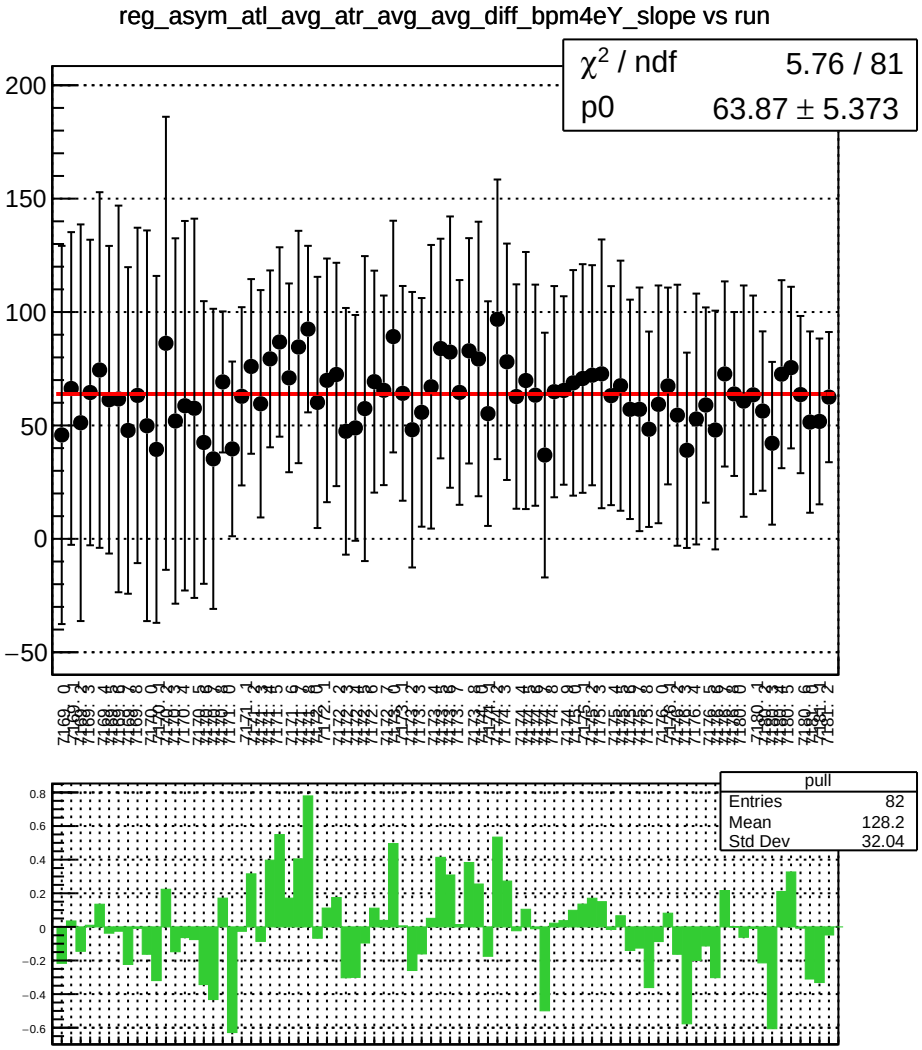

pull1D
Entries 82
Mean −0.02098
Std Dev 0.3127

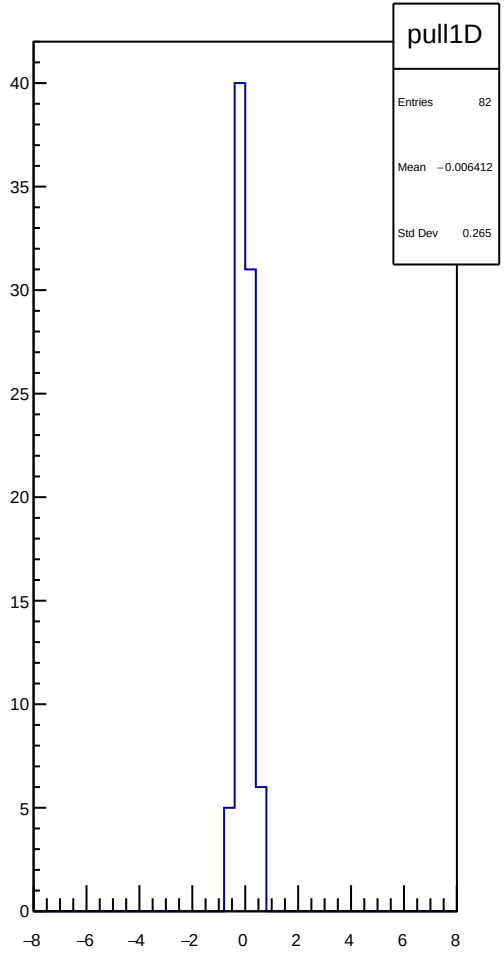

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.396 / 81
p0 4.616 ± 4.812
pull
Entries 82
Mean 49.61
Std Dev 52.09

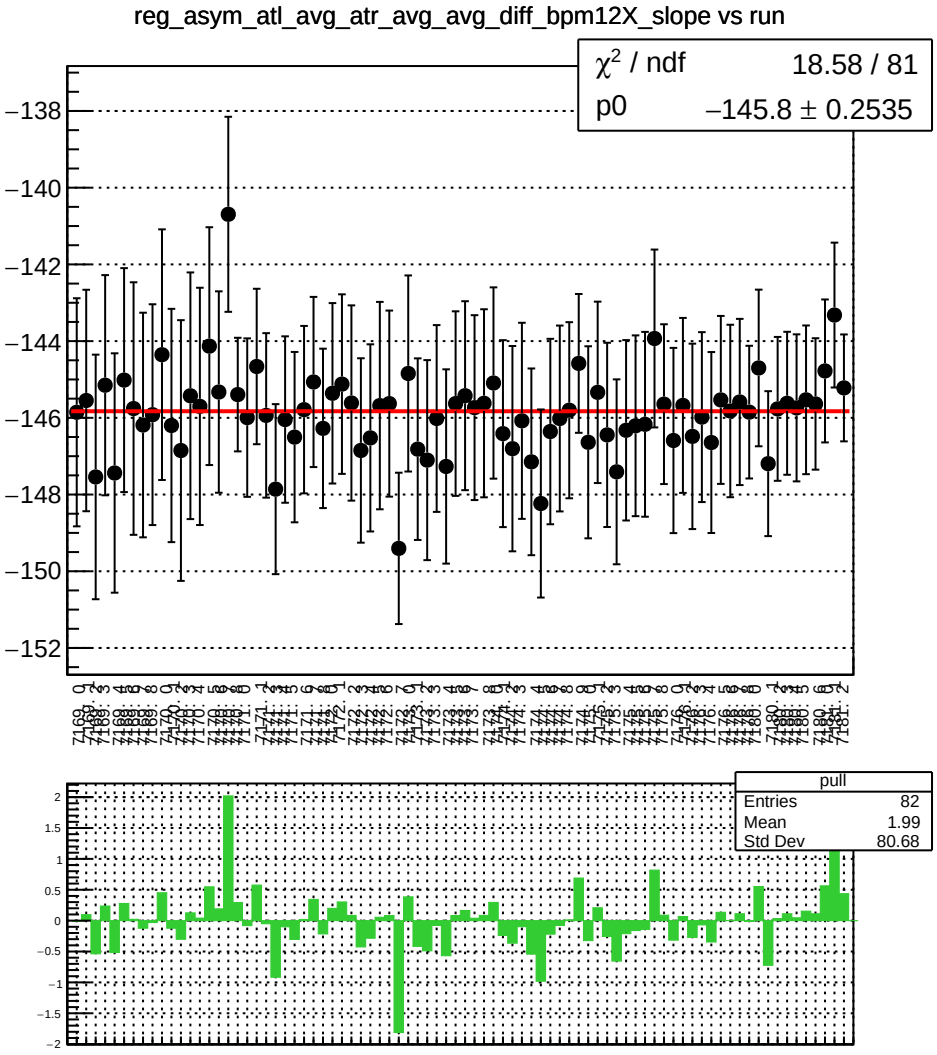

pull1D
Entries 82
Mean 0.01232
Std Dev 0.2562

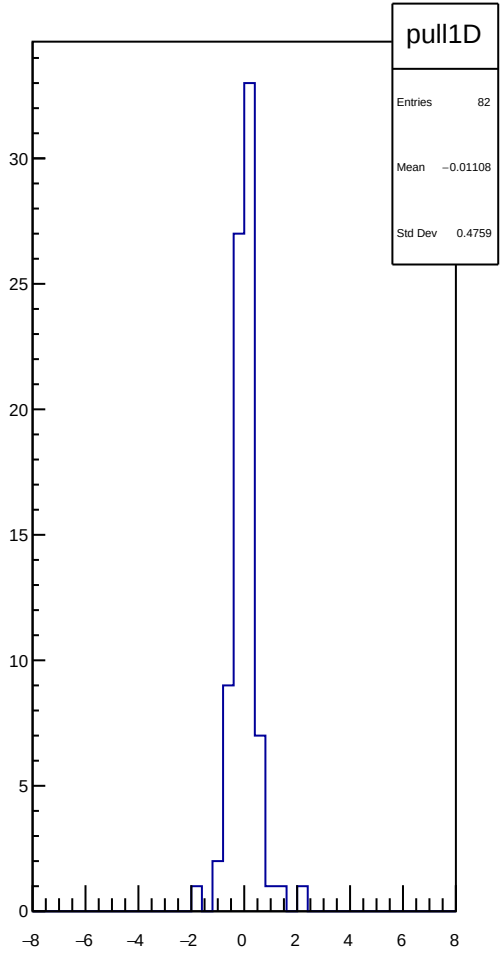

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.944 / 81
p0 267.8 ± 6.769
pull
Entries 82
Mean −31.85
Std Dev 64.49

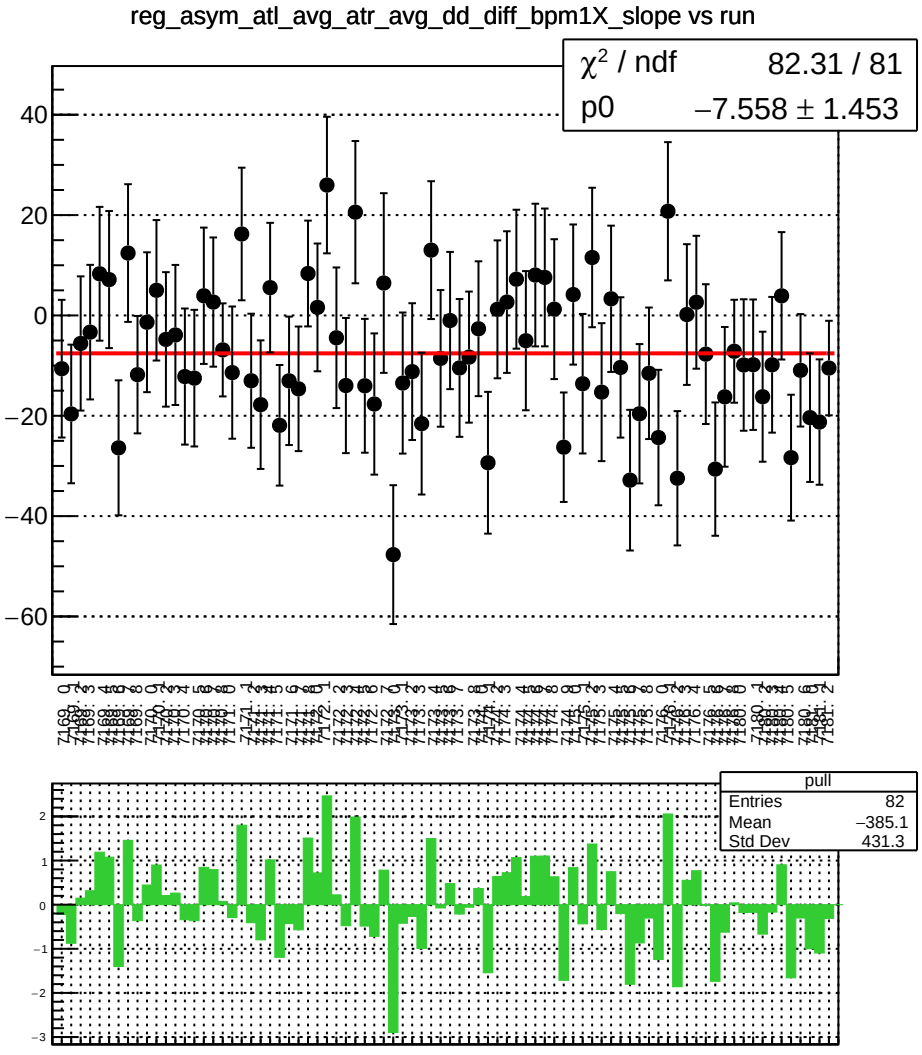

pull1D
Entries 82
Mean 0.02173
Std Dev 0.3105

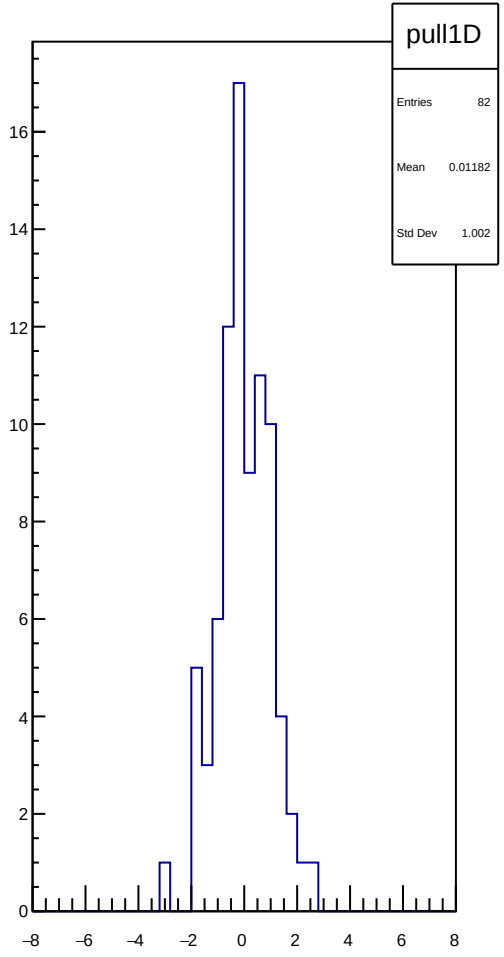

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.76 / 81
p0 63.87 ± 5.373
pull
Entries 82
Mean 128.2
Std Dev 32.04

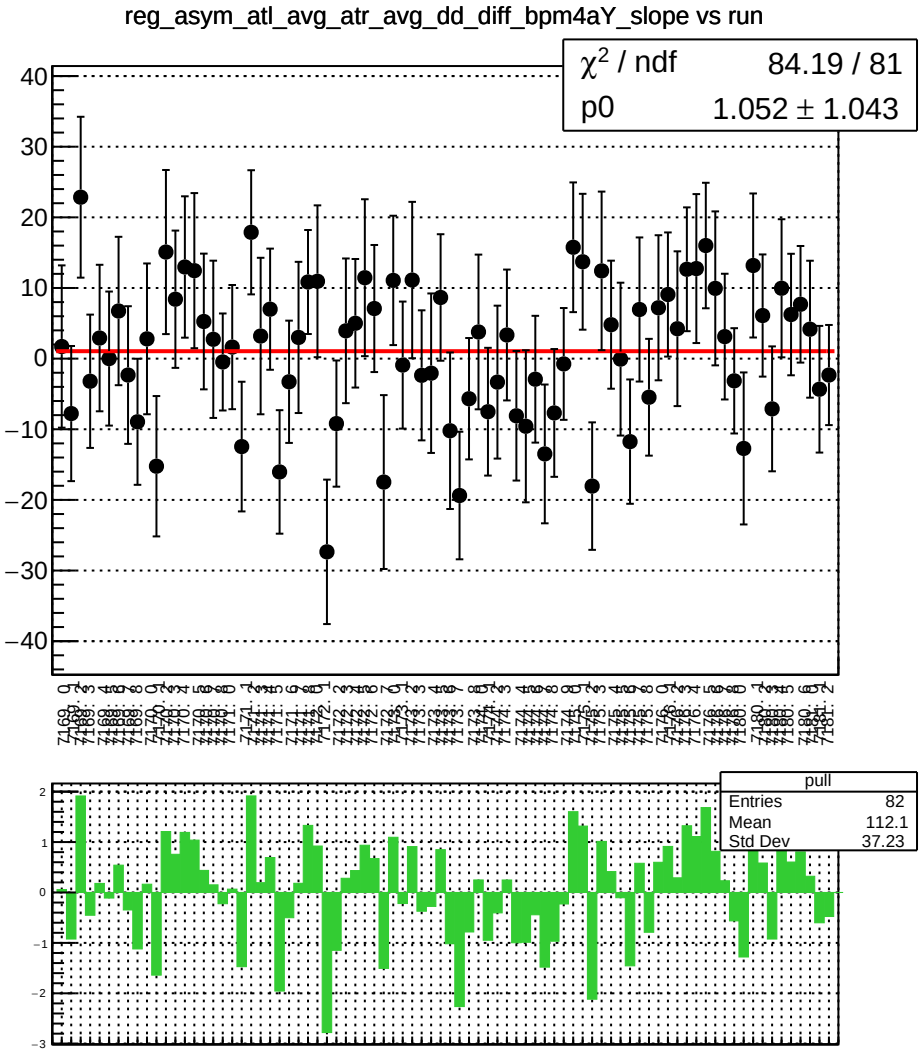

pull1D
Entries 82
Mean −0.006412
Std Dev 0.265

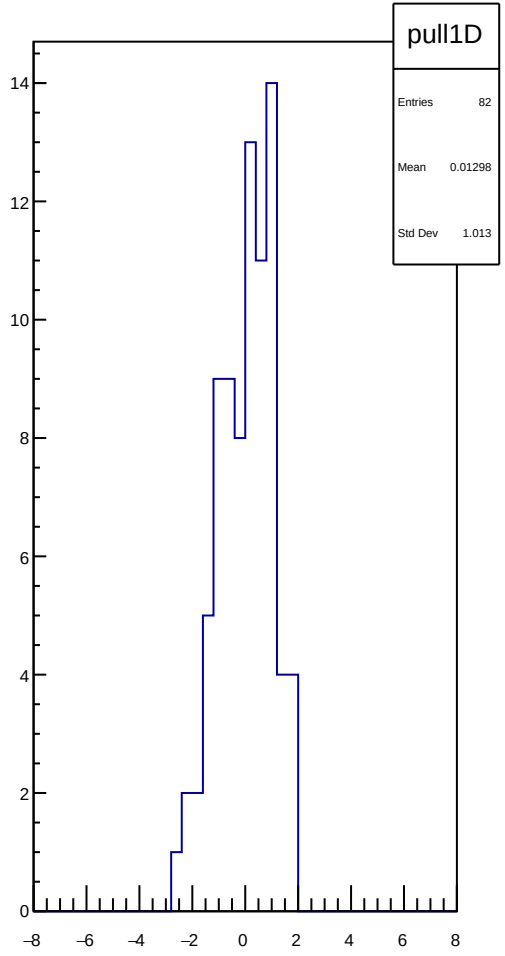

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.58 / 81
p0 −145.8 ± 0.2535
pull
Entries 82
Mean 1.99
Std Dev 80.68

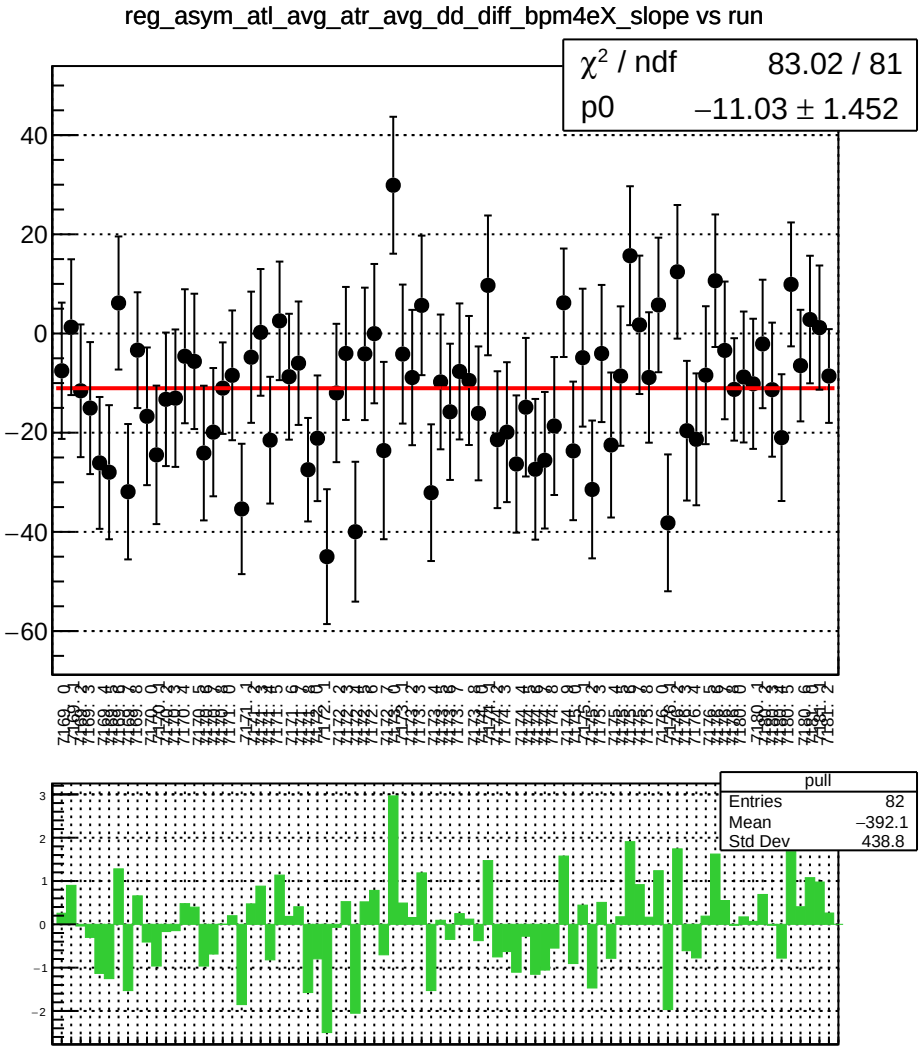

pull1D
Entries 82
Mean −0.01108
Std Dev 0.4759

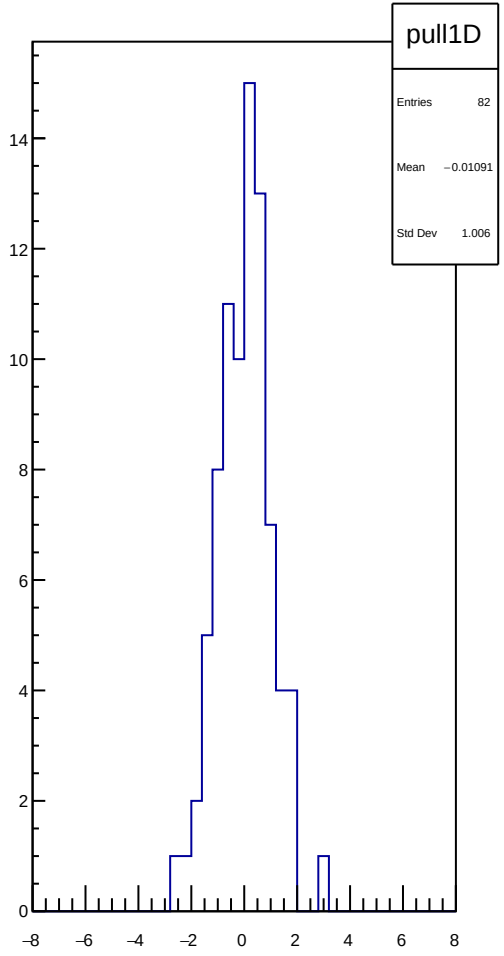

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 82.31 / 81
p0 −7.558 ± 1.453
pull
Entries 82
Mean −385.1
Std Dev 431.3

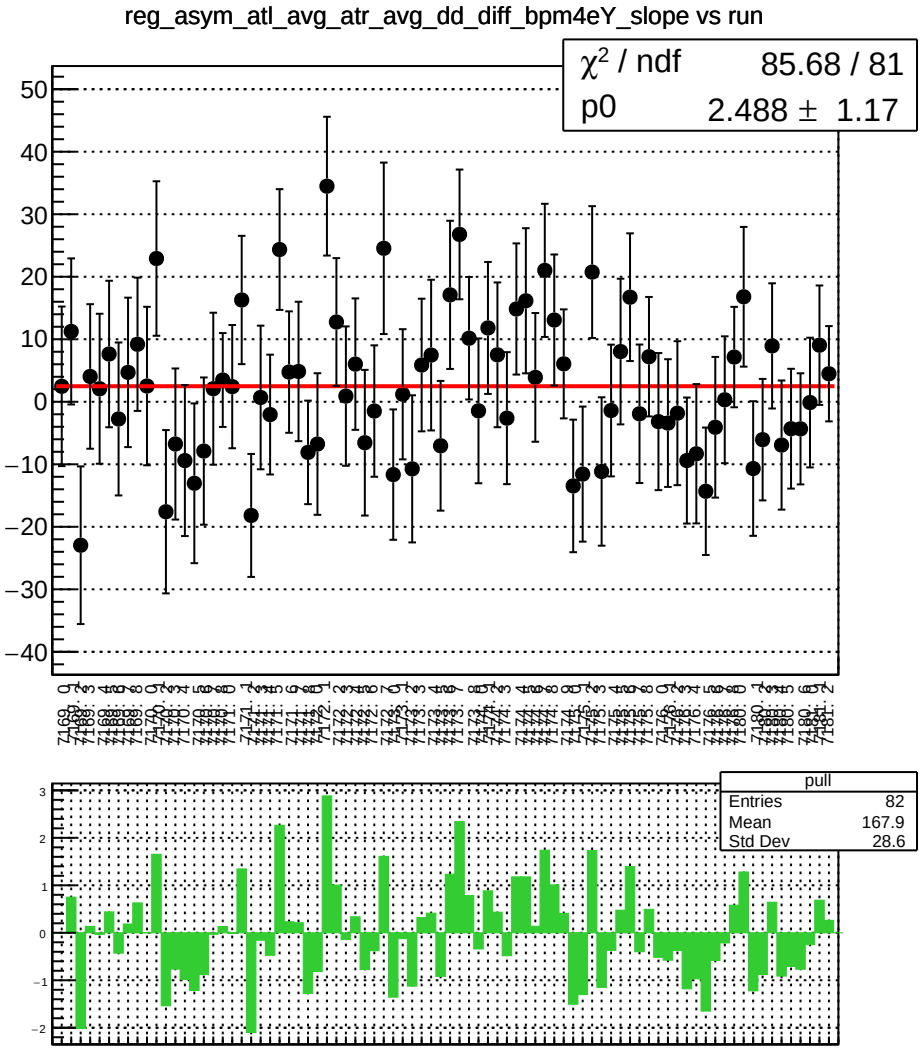

pull1D
Entries 82
Mean 0.01182
Std Dev 1.002

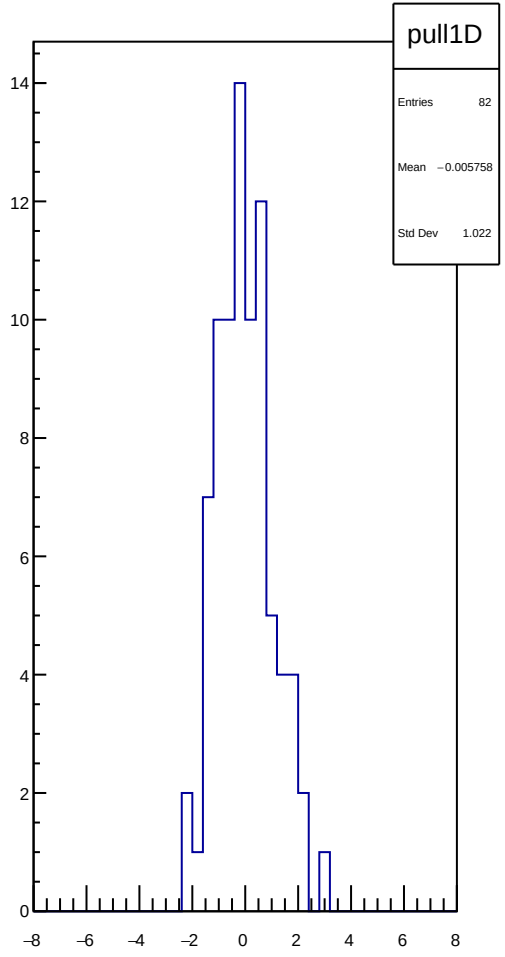

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.19 / 81
p0 1.052 ± 1.043
pull
Entries 82
Mean 112.1
Std Dev 37.23


pull1D
Entries 82
Mean 0.01298
Std Dev 1.013

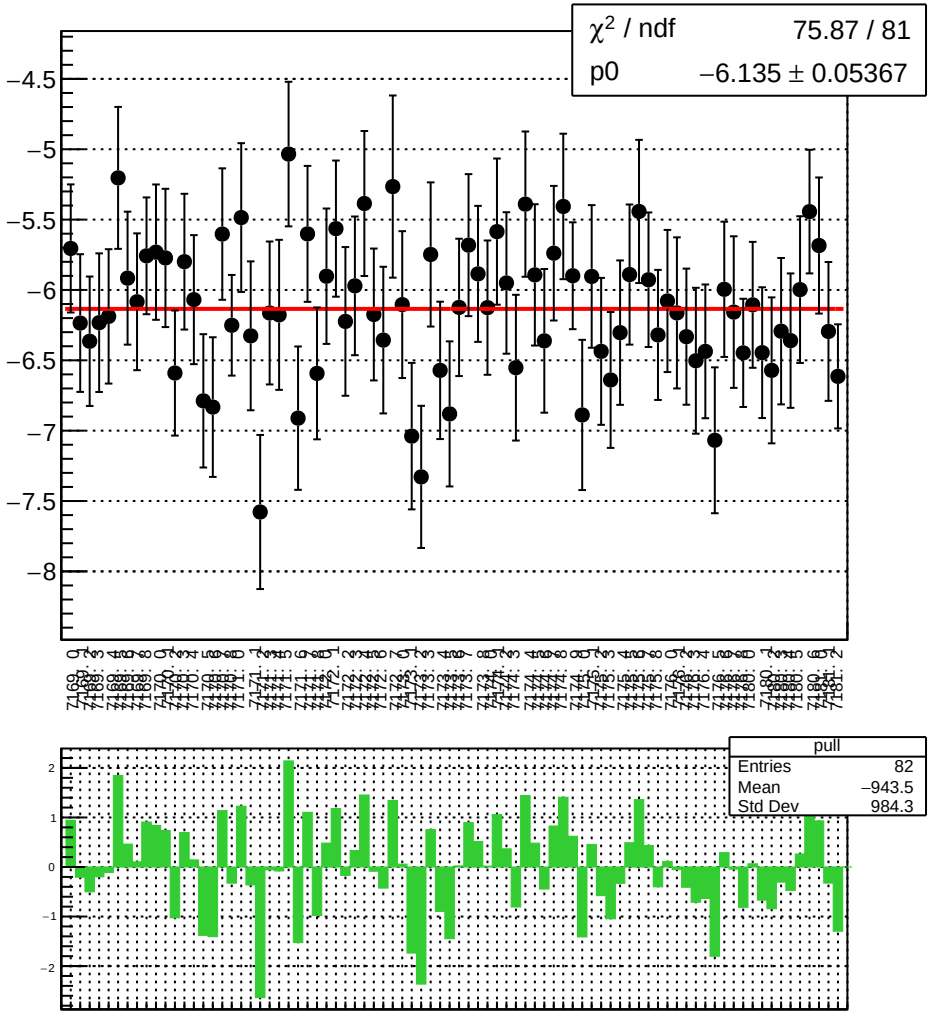

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.02 / 81
p0 −11.03 ± 1.452
pull
Entries 82
Mean −392.1
Std Dev 438.8

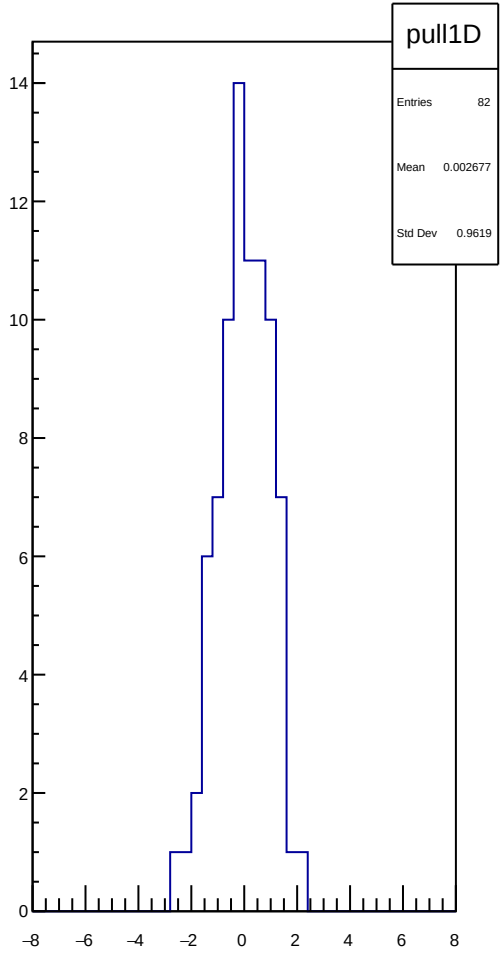

pull1D
Entries 82
Mean −0.01091
Std Dev 1.006

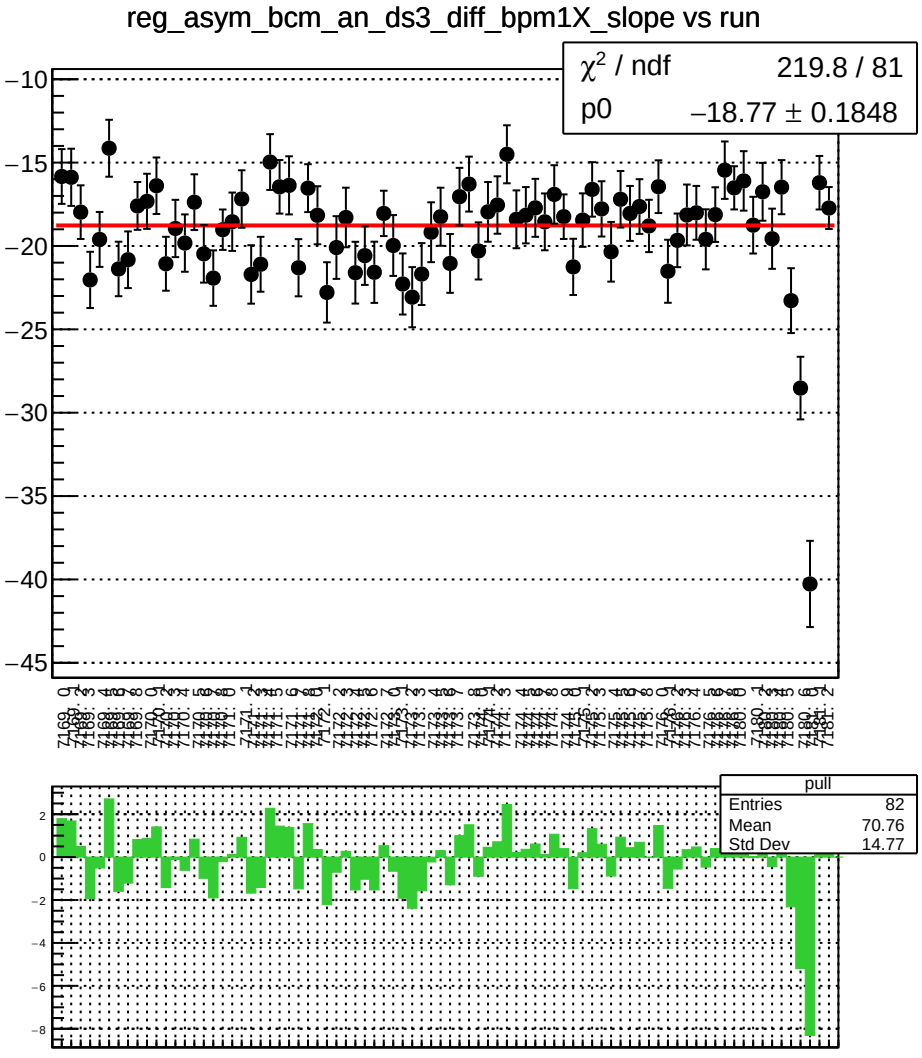

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.68 / 81
p0 2.488 ± 1.17
pull
Entries 82
Mean 167.9
Std Dev 28.6

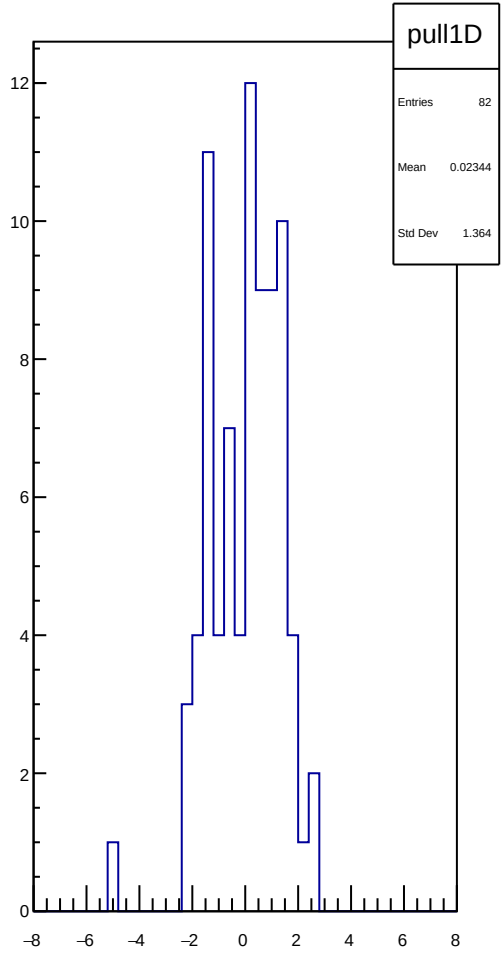

pull1D
Entries 82
Mean −0.005758
Std Dev 1.022

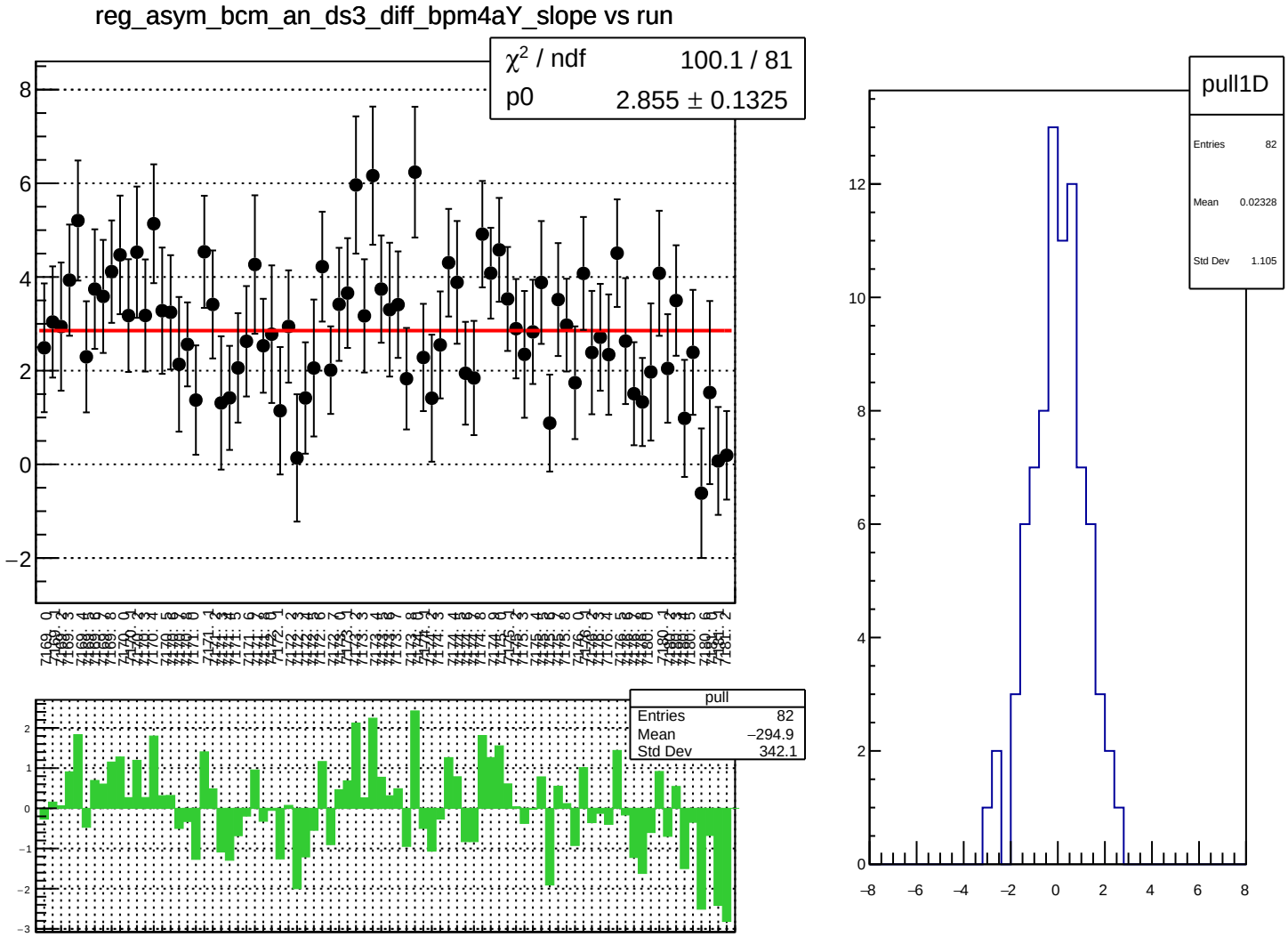
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

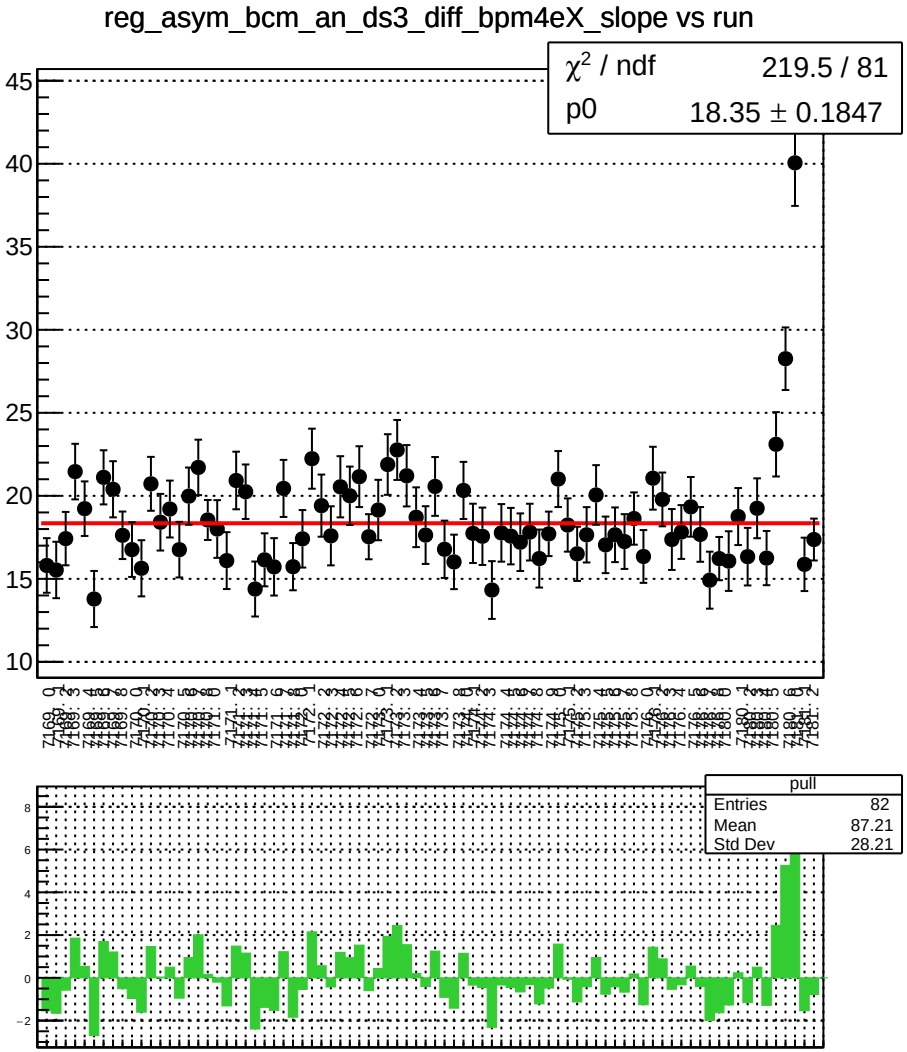


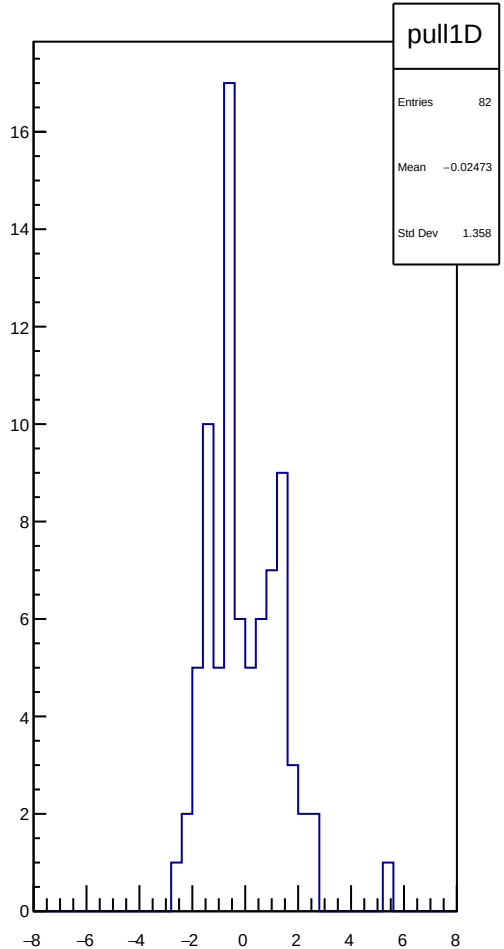


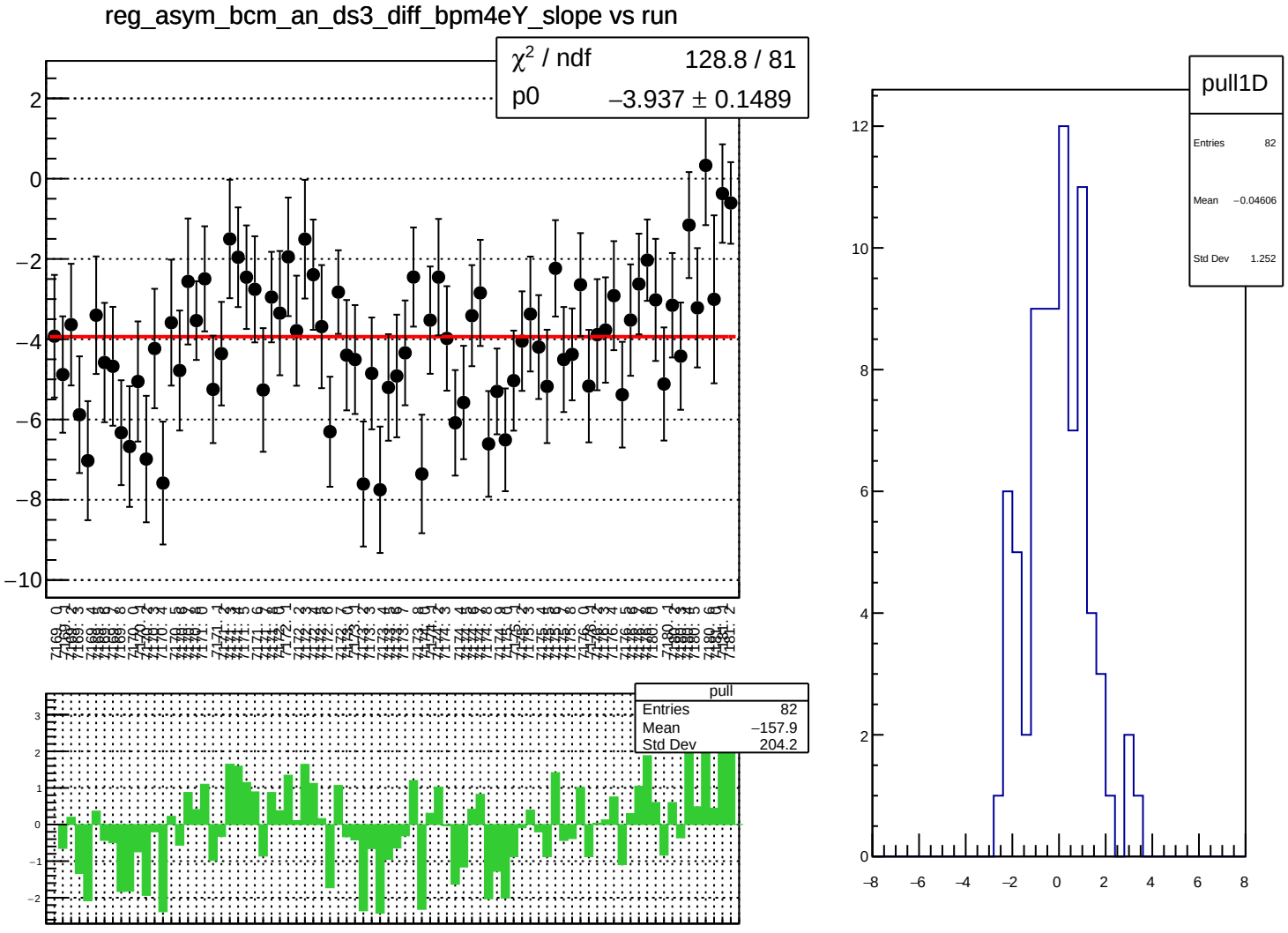

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 219.8 / 81
p0 −18.77 ± 0.1848
pull
Entries 82
Mean 70.76
Std Dev 14.77

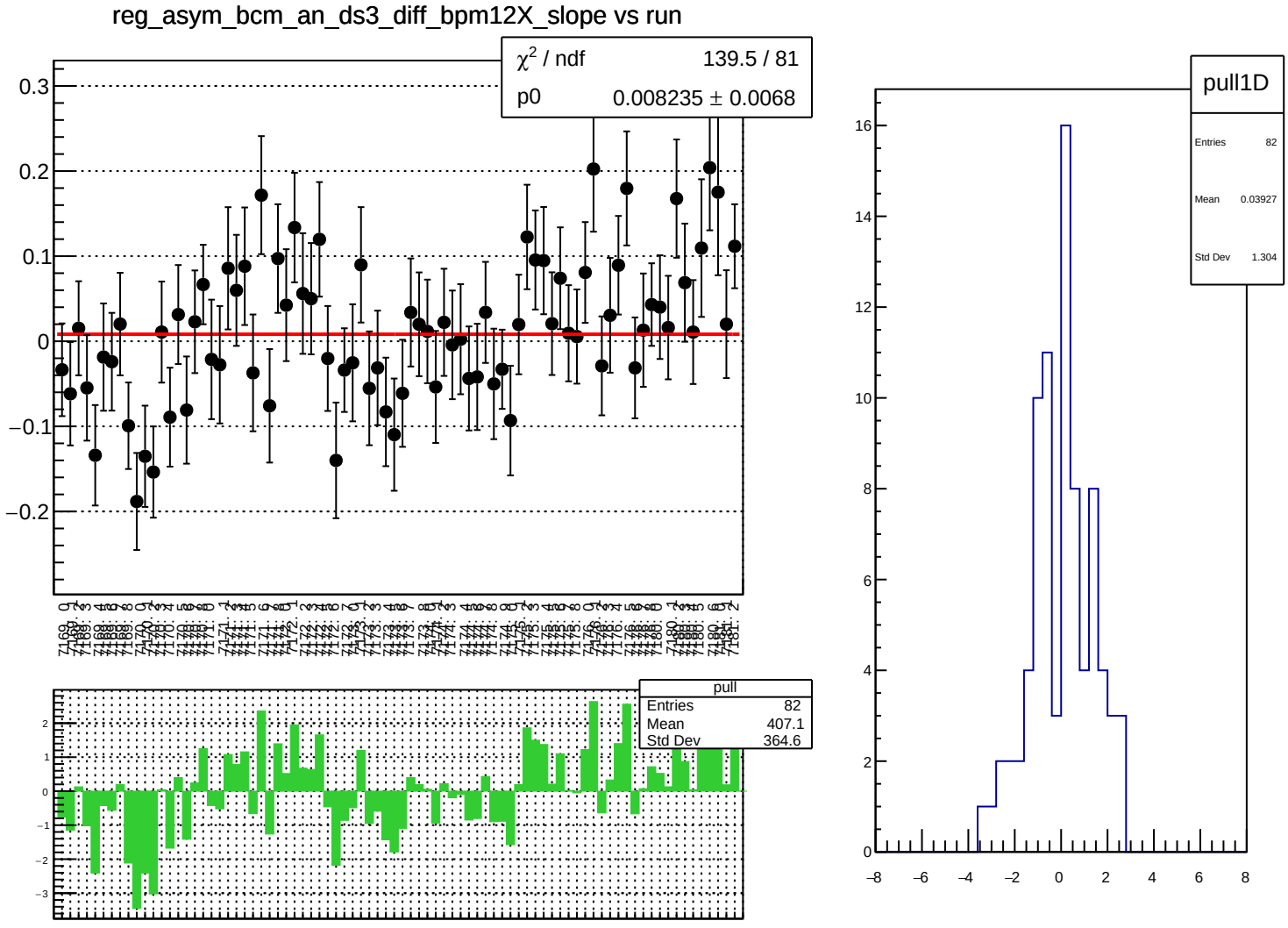

pull1D
Entries 82
Mean 0.02344
Std Dev 1.364

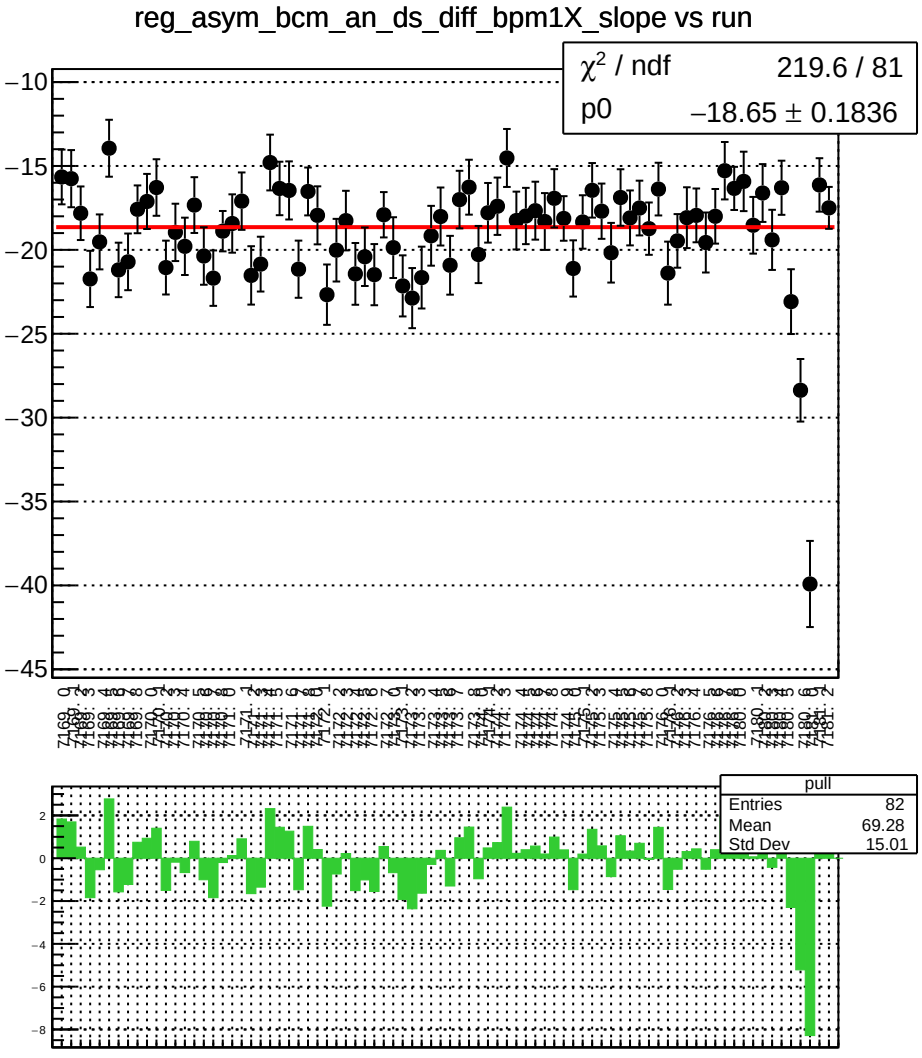

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 100.1 / 81
p0 2.855 ± 0.1325
pull
Entries 82
Mean −294.9
Std Dev 342.1
pull1D
Entries 82
Mean 0.02328
Std Dev 1.105

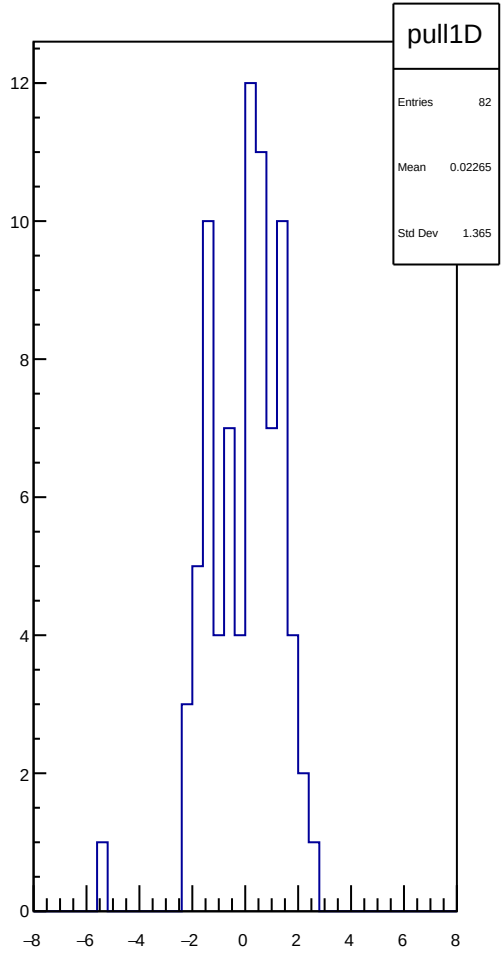

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 219.5 / 81
p0 18.35 ± 0.1847
pull
Entries 82
Mean 87.21
Std Dev 28.21

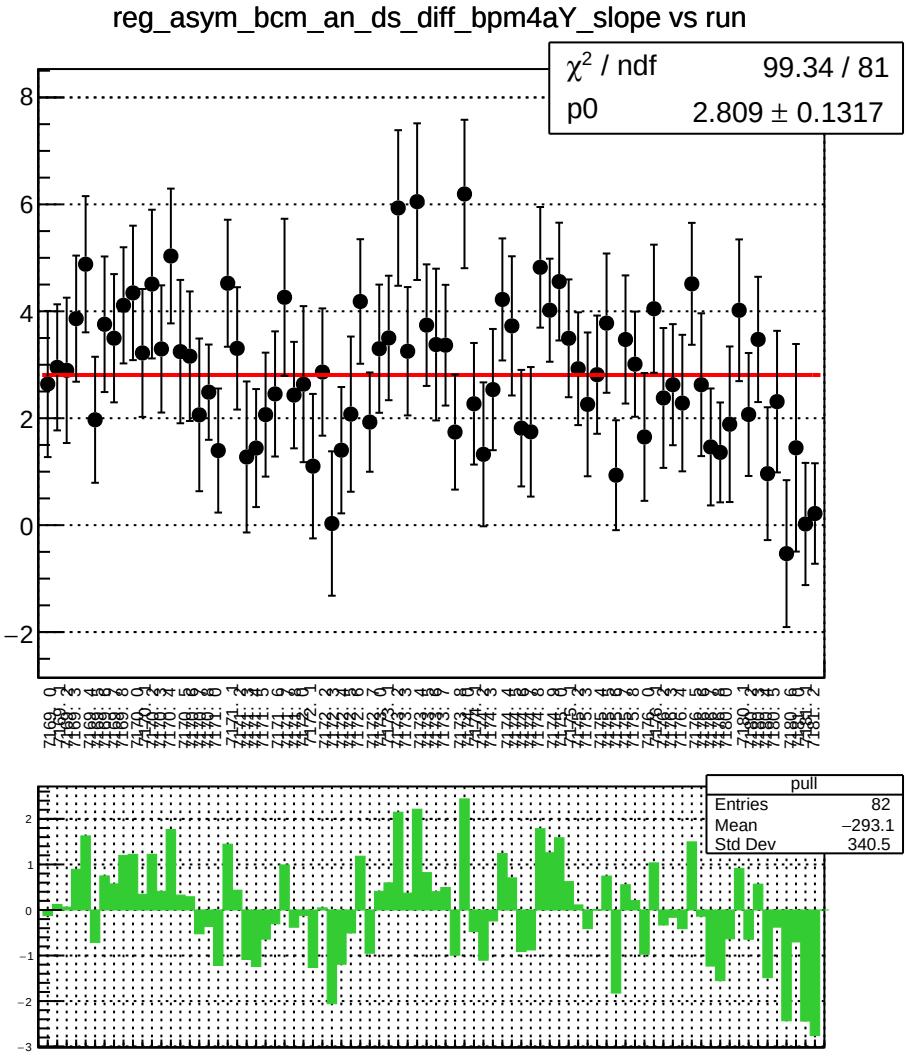

pull1D
Entries 82
Mean −0.02473
Std Dev 1.358

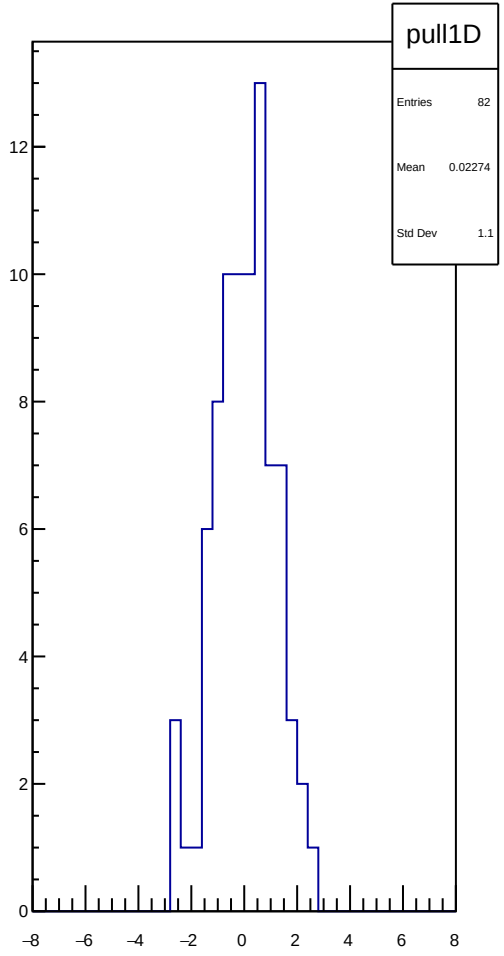

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 128.8 / 81
p0 −3.937 ± 0.1489
pull
Entries 82
Mean −157.9
Std Dev 204.2
pull1D
Entries 82
Mean −0.04606
Std Dev 1.252

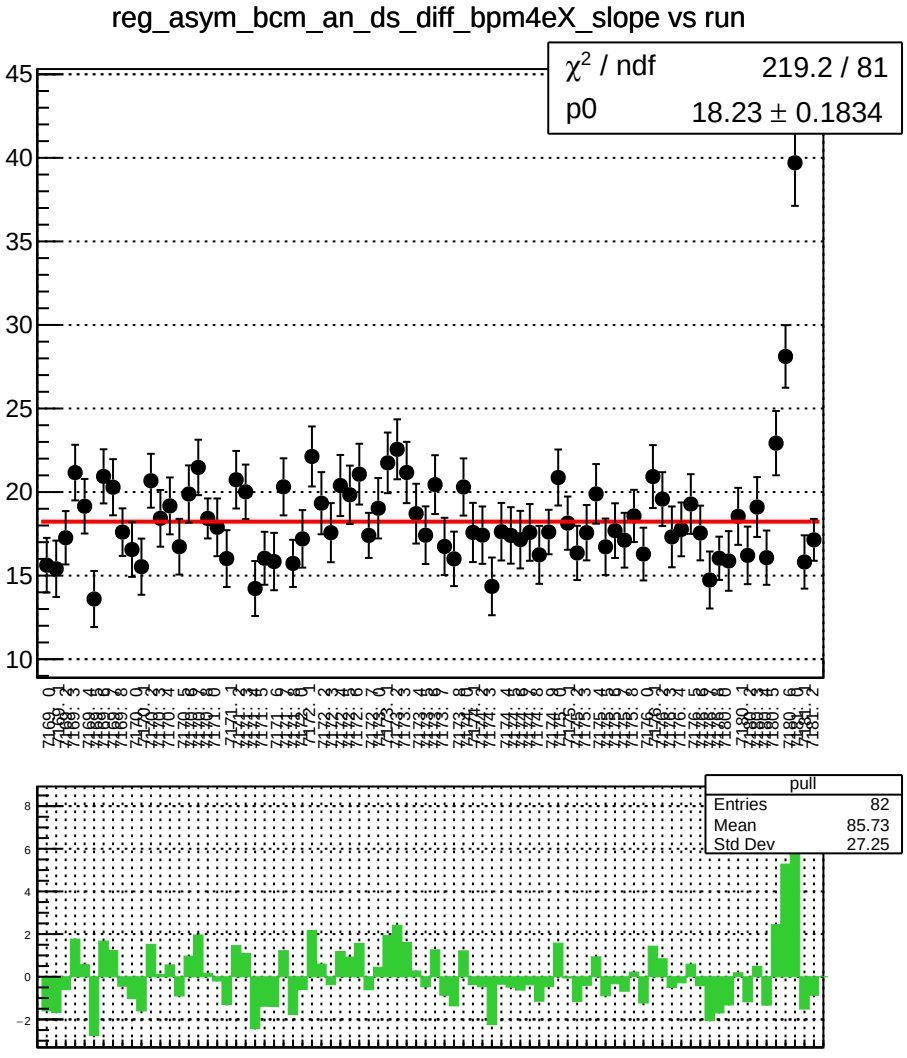

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 139.5 / 81
p0 0.008235 ± 0.0068
pull
Entries 82
Mean 407.1
Std Dev 364.6
pull1D
Entries 82
Mean 0.03927
Std Dev 1.304

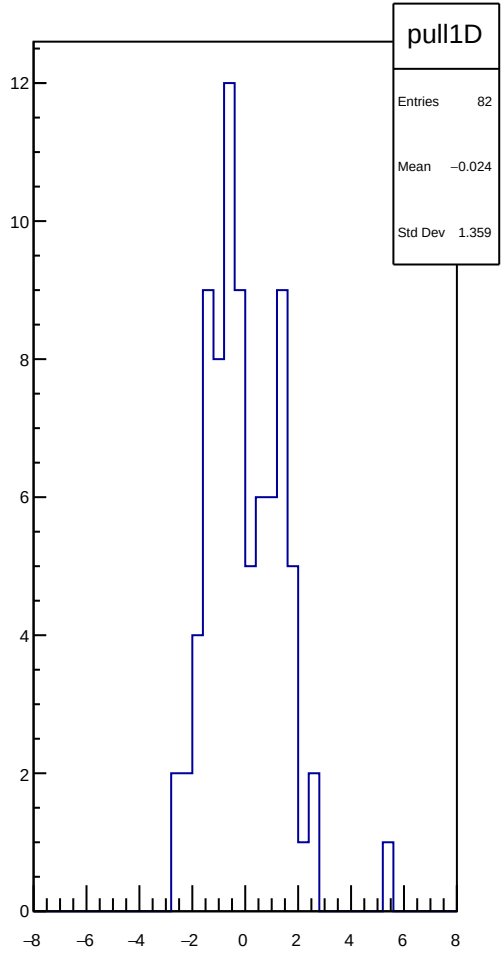

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 219.6 / 81
p0 −18.65 ± 0.1836
pull
Entries 82
Mean 69.28
Std Dev 15.01

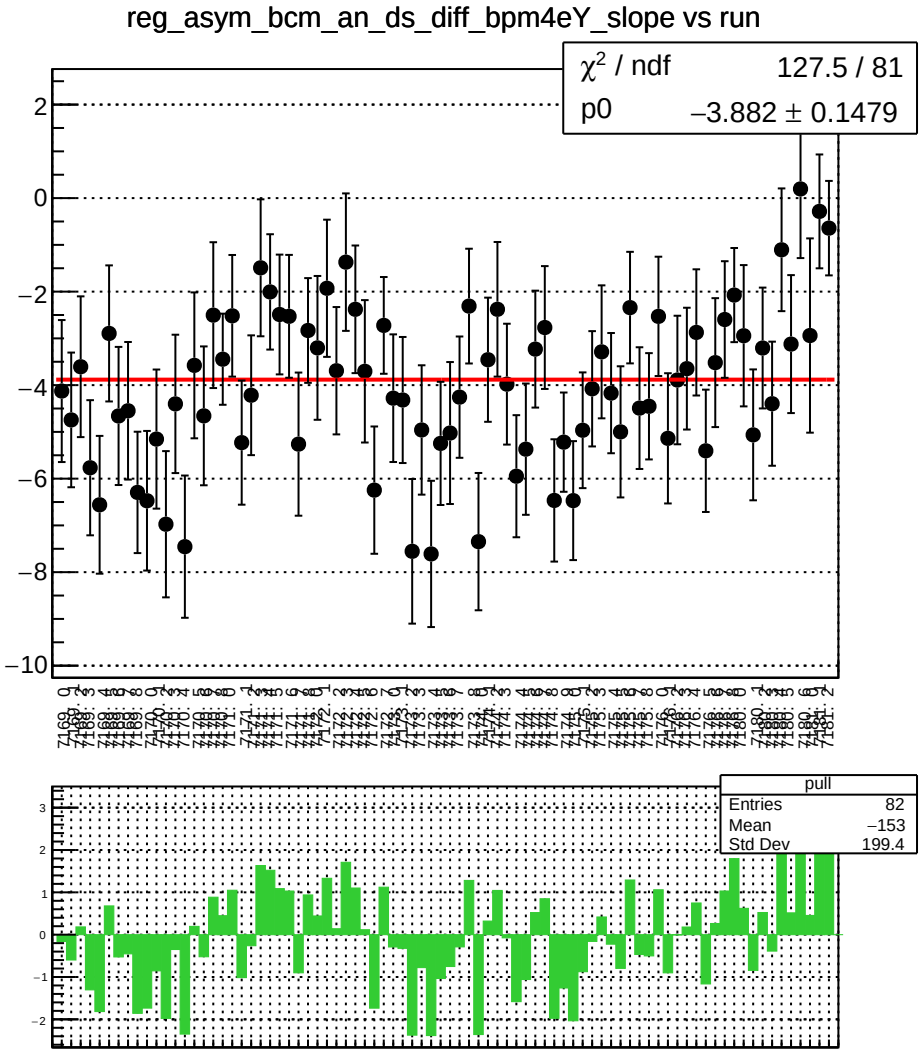

pull1D
Entries 82
Mean 0.02265
Std Dev 1.365

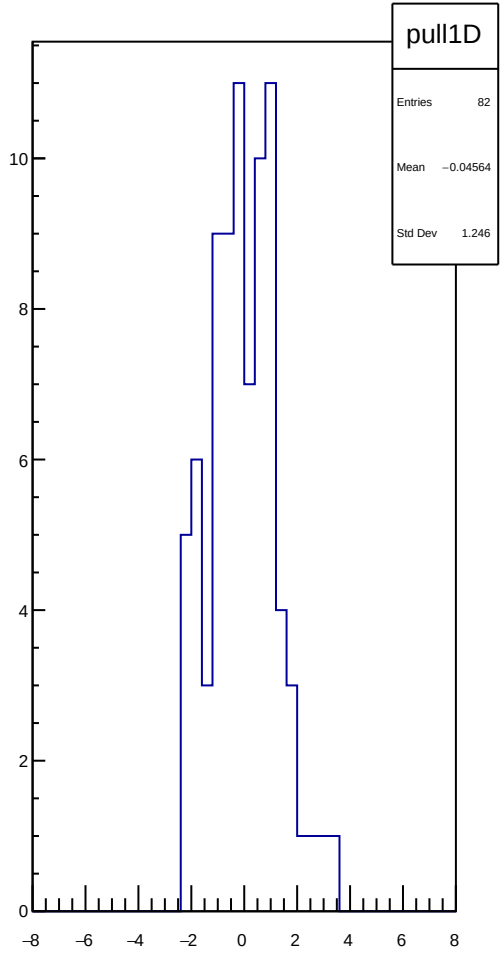

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 99.34 / 81
p0 2.809 ± 0.1317
pull
Entries 82
Mean −293.1
Std Dev 340.5

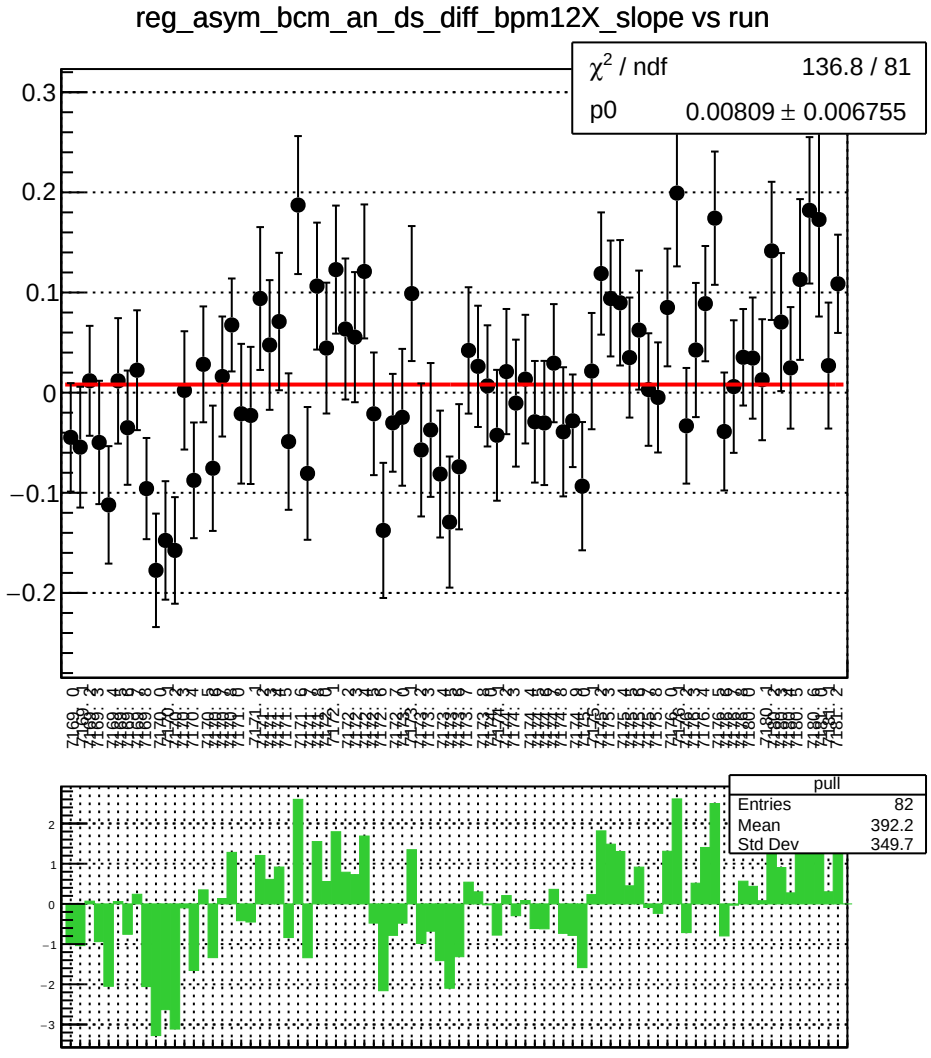

pull1D
Entries 82
Mean 0.02274
Std Dev 1.1

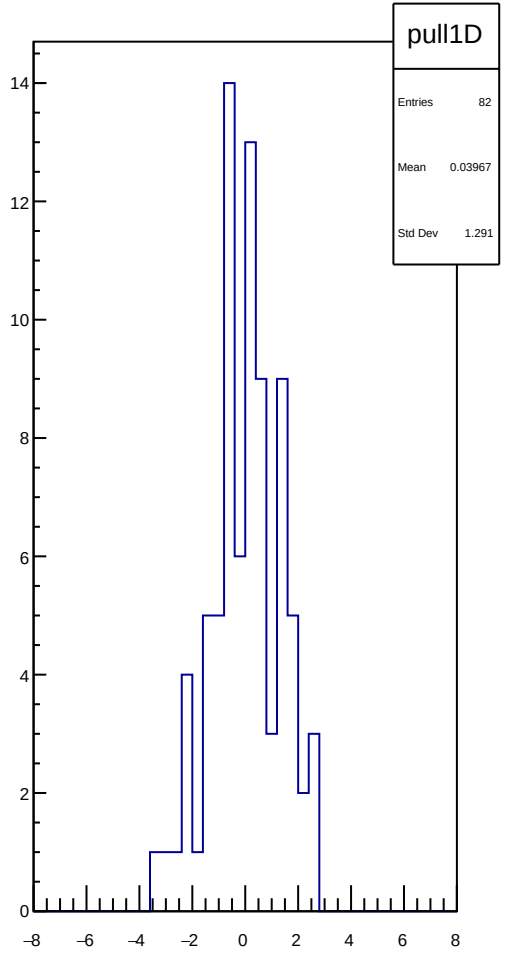

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 219.2 / 81
p0 18.23 ± 0.1834
pull
Entries 82
Mean 85.73
Std Dev 27.25

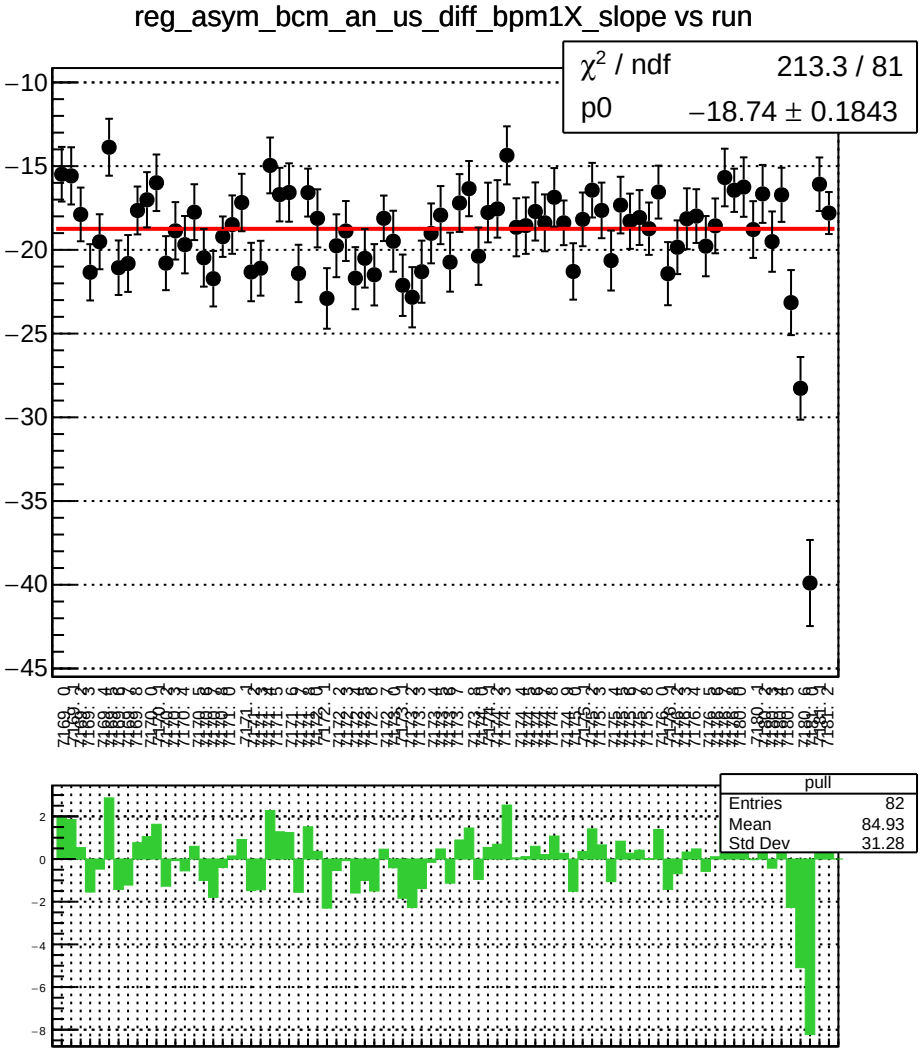

pull1D
Entries 82
Mean −0.024
Std Dev 1.359

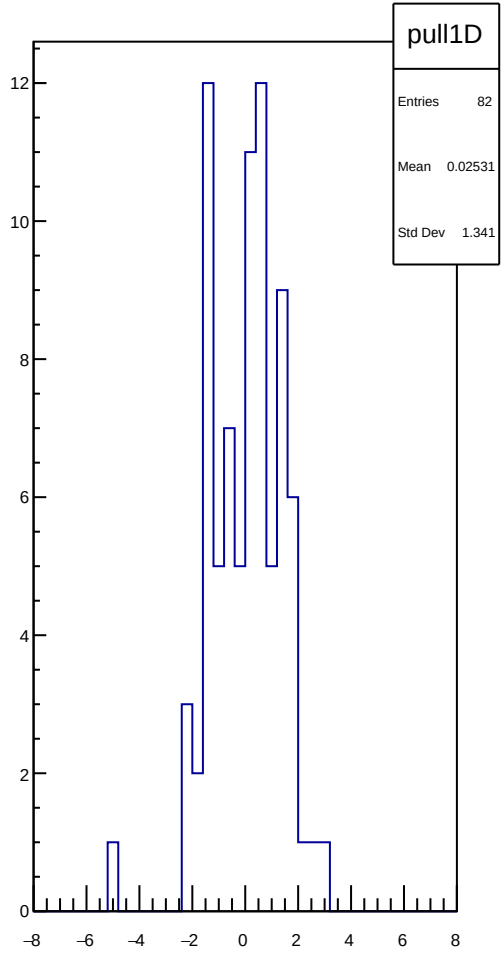

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 127.5 / 81
p0 −3.882 ± 0.1479
pull
Entries 82
Mean −153
Std Dev 199.4

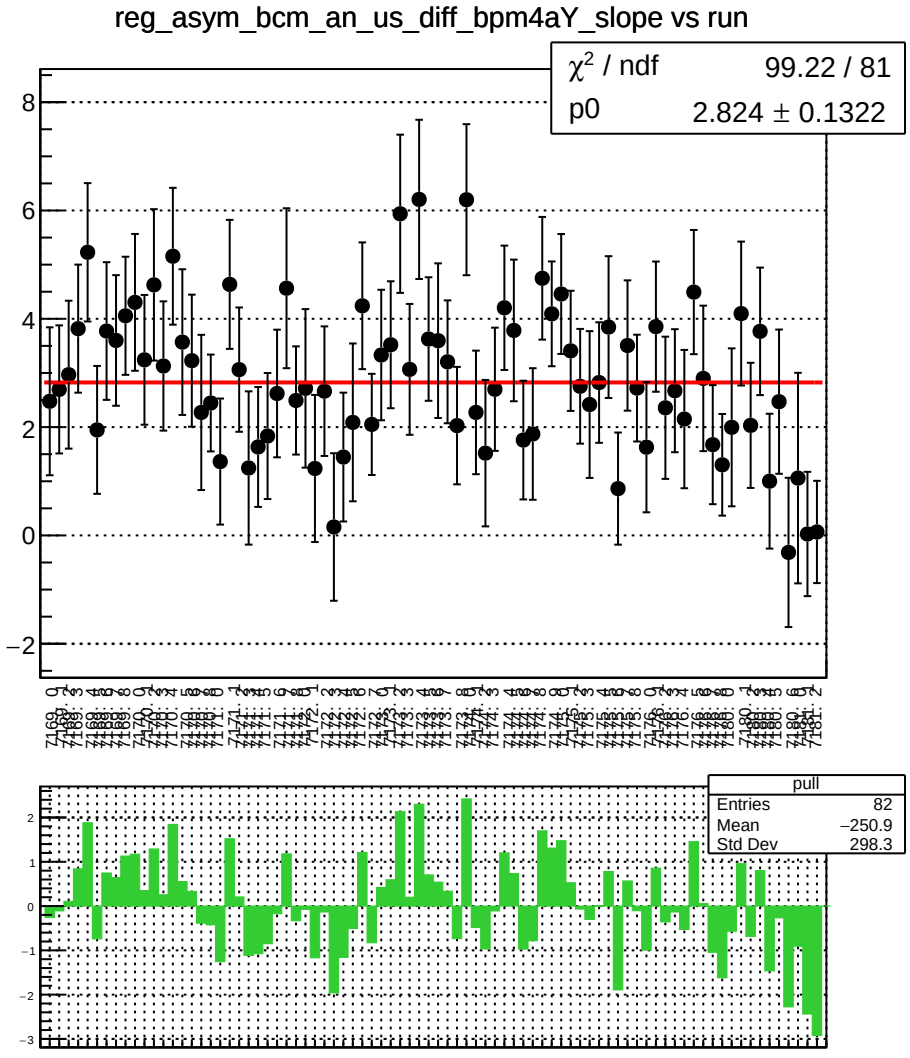

pull1D
Entries 82
Mean −0.04564
Std Dev 1.246

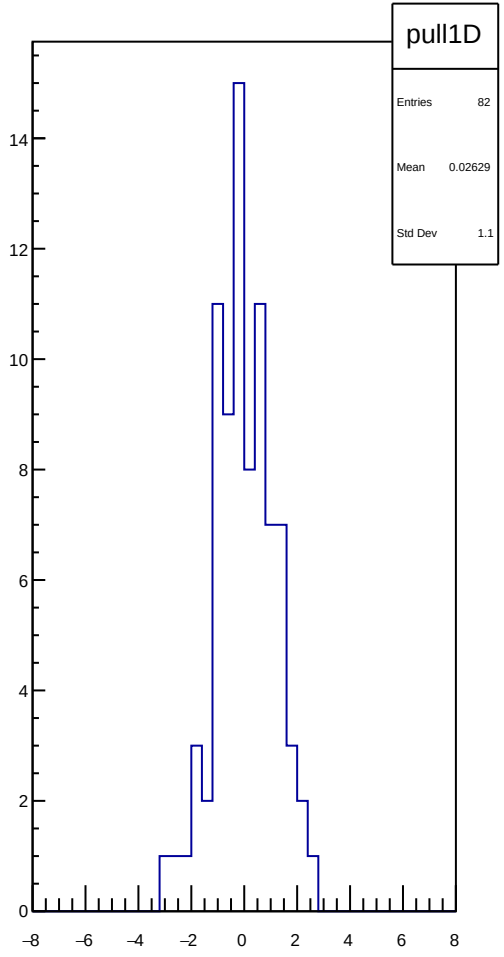

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 136.8 / 81
p0 0.00809 ± 0.006755
pull
Entries 82
Mean 392.2
Std Dev 349.7

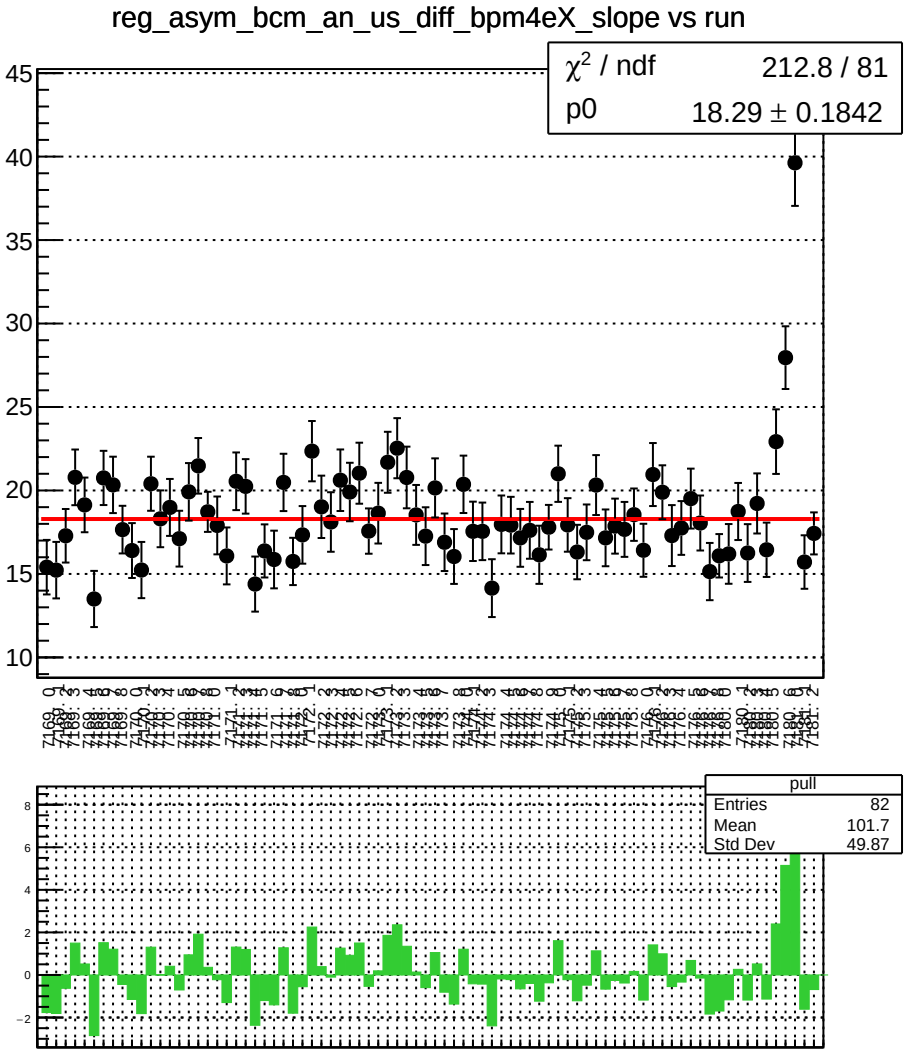

pull1D
Entries 82
Mean 0.03967
Std Dev 1.291

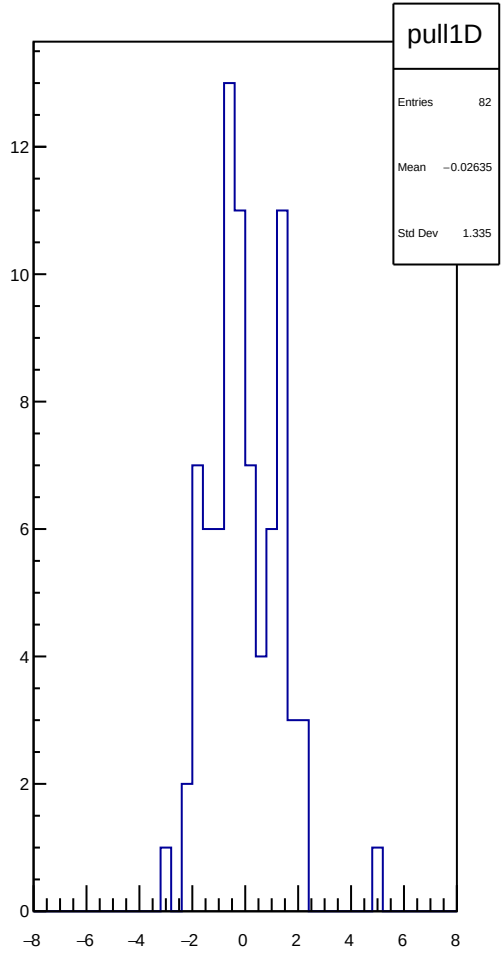

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 213.3 / 81
p0 −18.74 ± 0.1843
pull
Entries 82
Mean 84.93
Std Dev 31.28

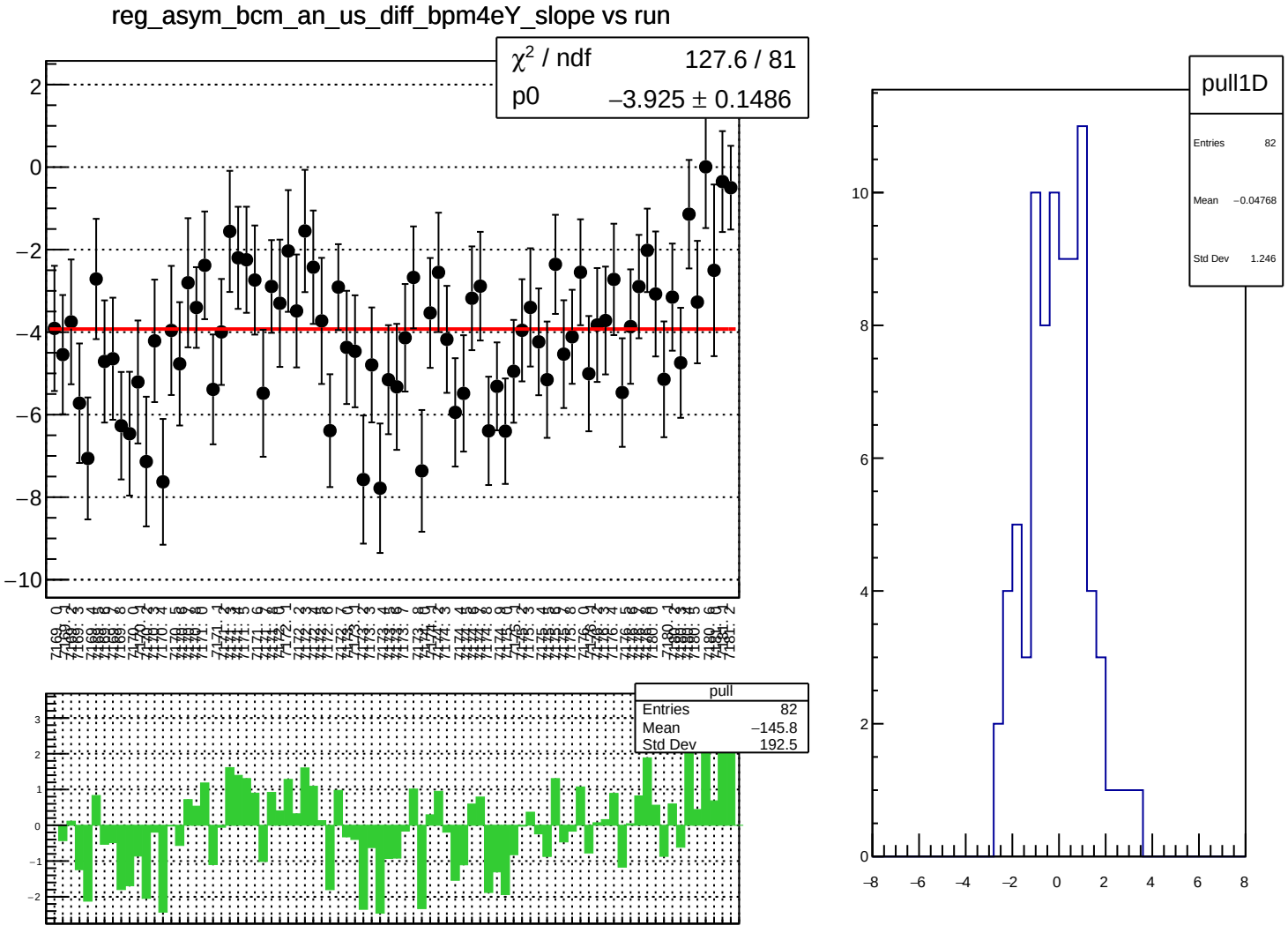

pull1D
Entries 82
Mean 0.02531
Std Dev 1.341

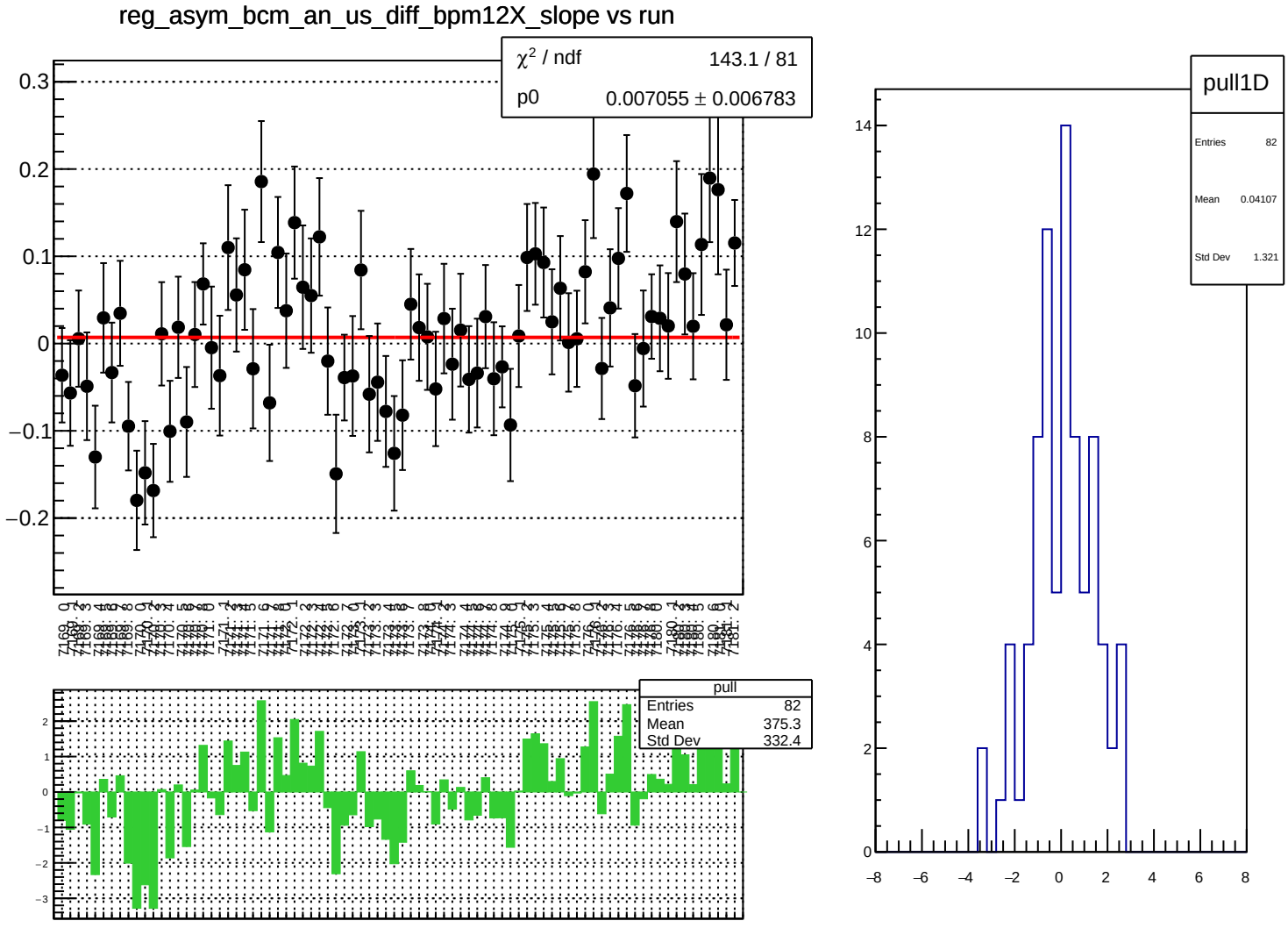

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 99.22 / 81
p0 2.824 ± 0.1322
pull
Entries 82
Mean −250.9
Std Dev 298.3

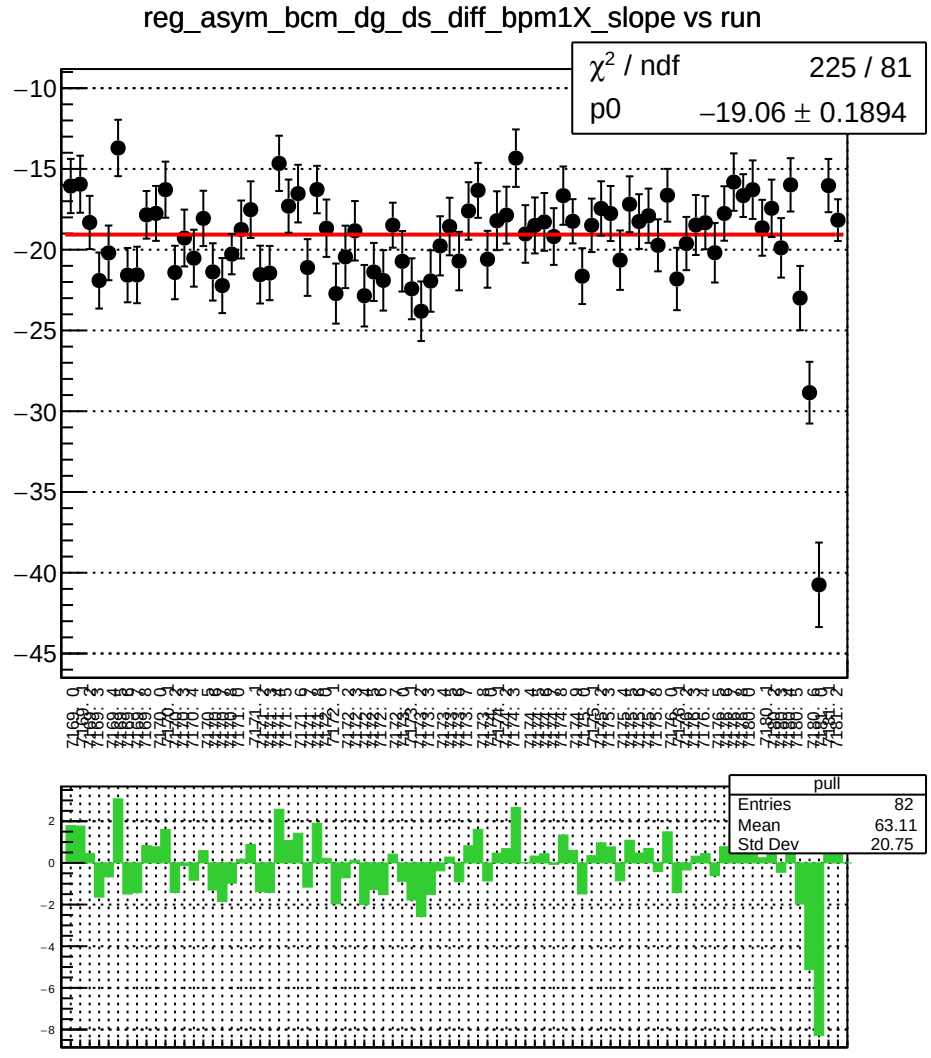

pull1D
Entries 82
Mean 0.02629
Std Dev 1.1

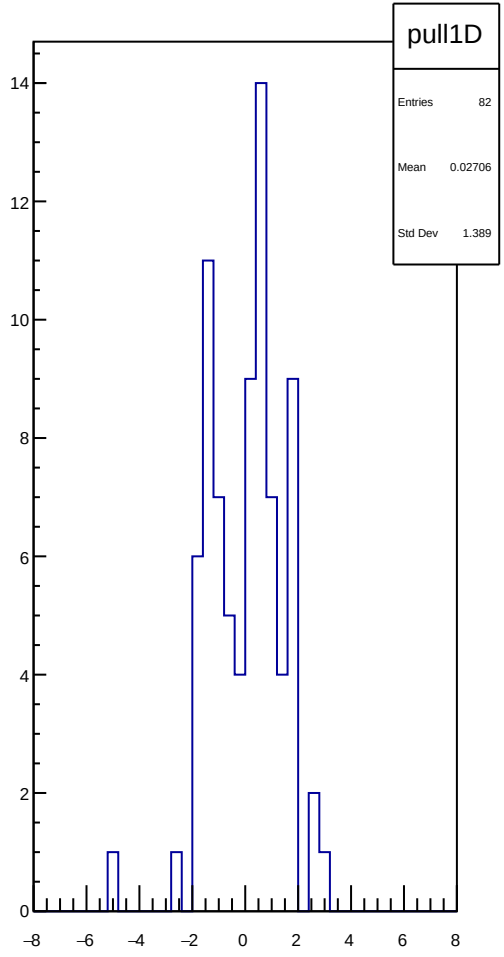

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 212.8 / 81
p0 18.29 ± 0.1842
pull
Entries 82
Mean 101.7
Std Dev 49.87

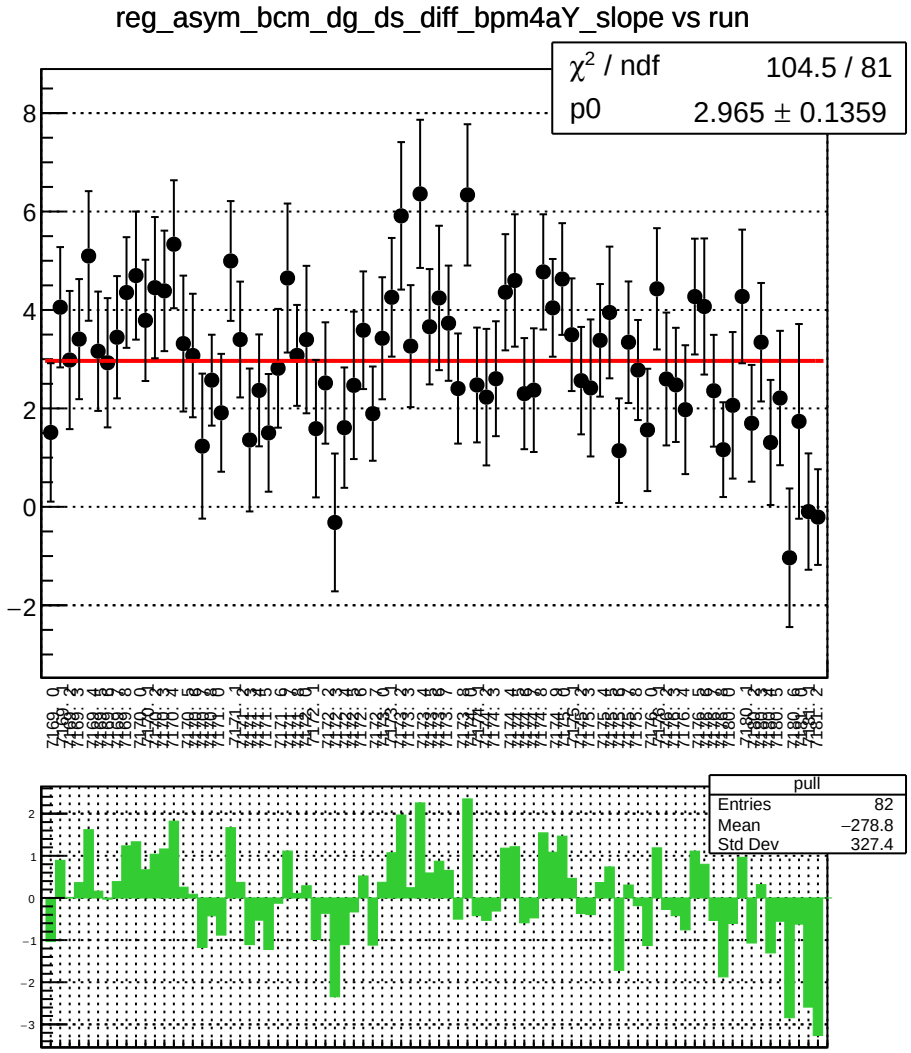

pull1D
Entries 82
Mean −0.02635
Std Dev 1.335

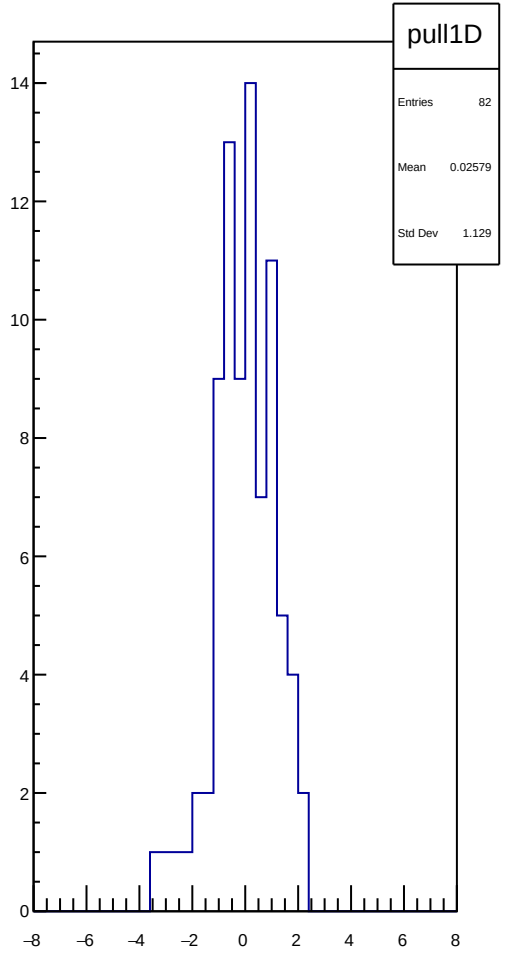

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 127.6 / 81
p0 −3.925 ± 0.1486
pull
Entries 82
Mean −145.8
Std Dev 192.5
pull1D
Entries 82
Mean −0.04768
Std Dev 1.246

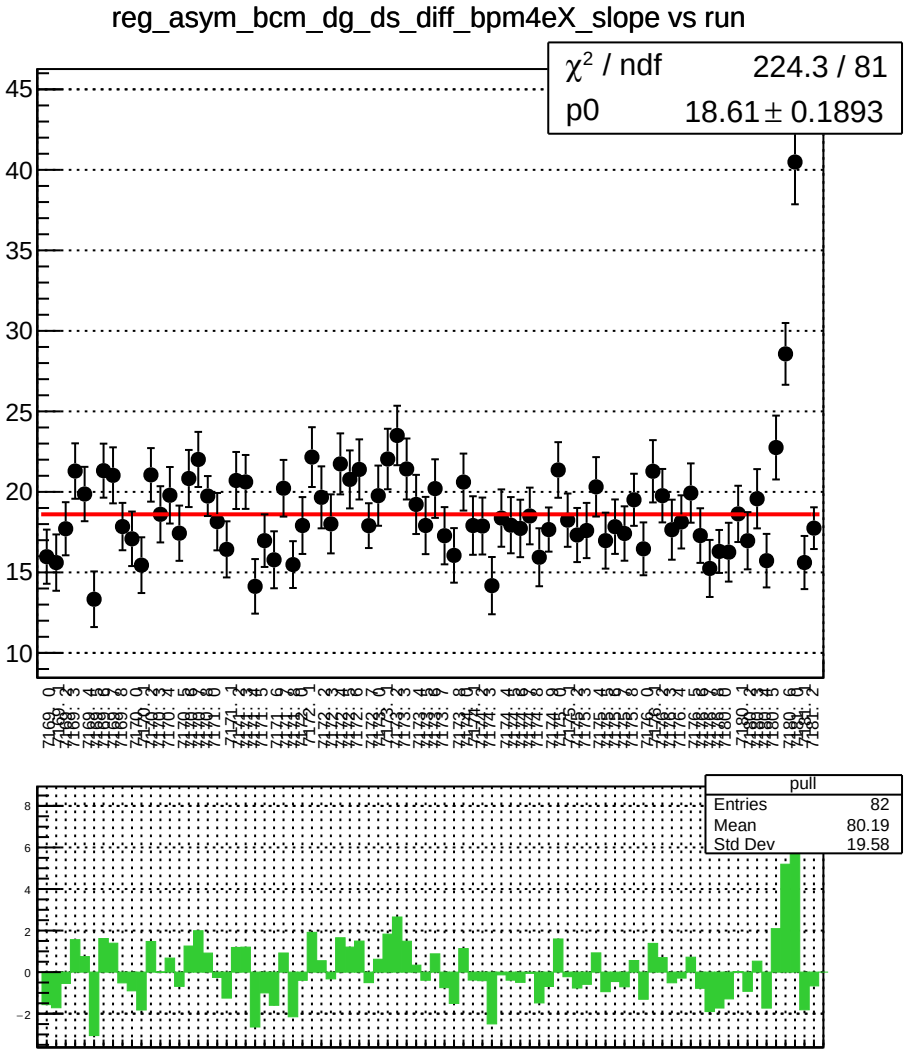

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 143.1 / 81
p0 0.007055 ± 0.006783
pull
Entries 82
Mean 375.3
Std Dev 332.4
pull1D
Entries 82
Mean 0.04107
Std Dev 1.321

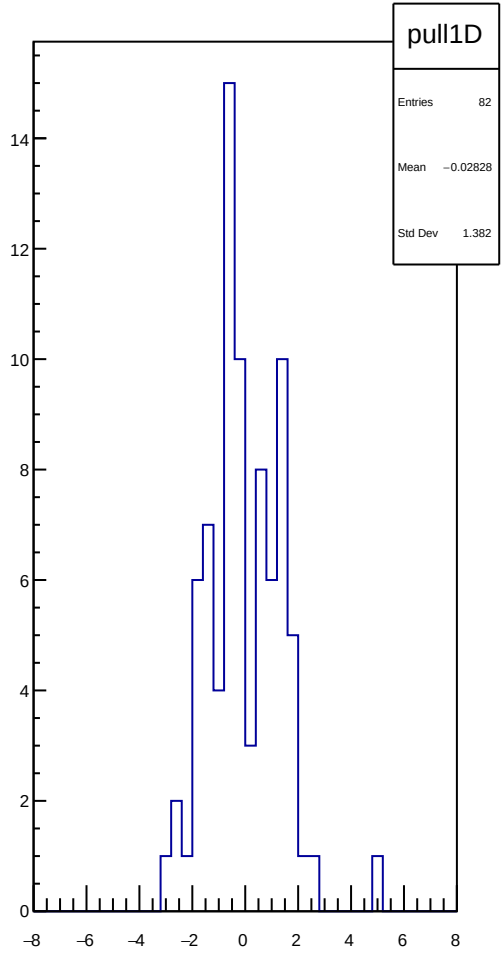

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 225 / 81
p0 −19.06 ± 0.1894
pull
Entries 82
Mean 63.11
Std Dev 20.75

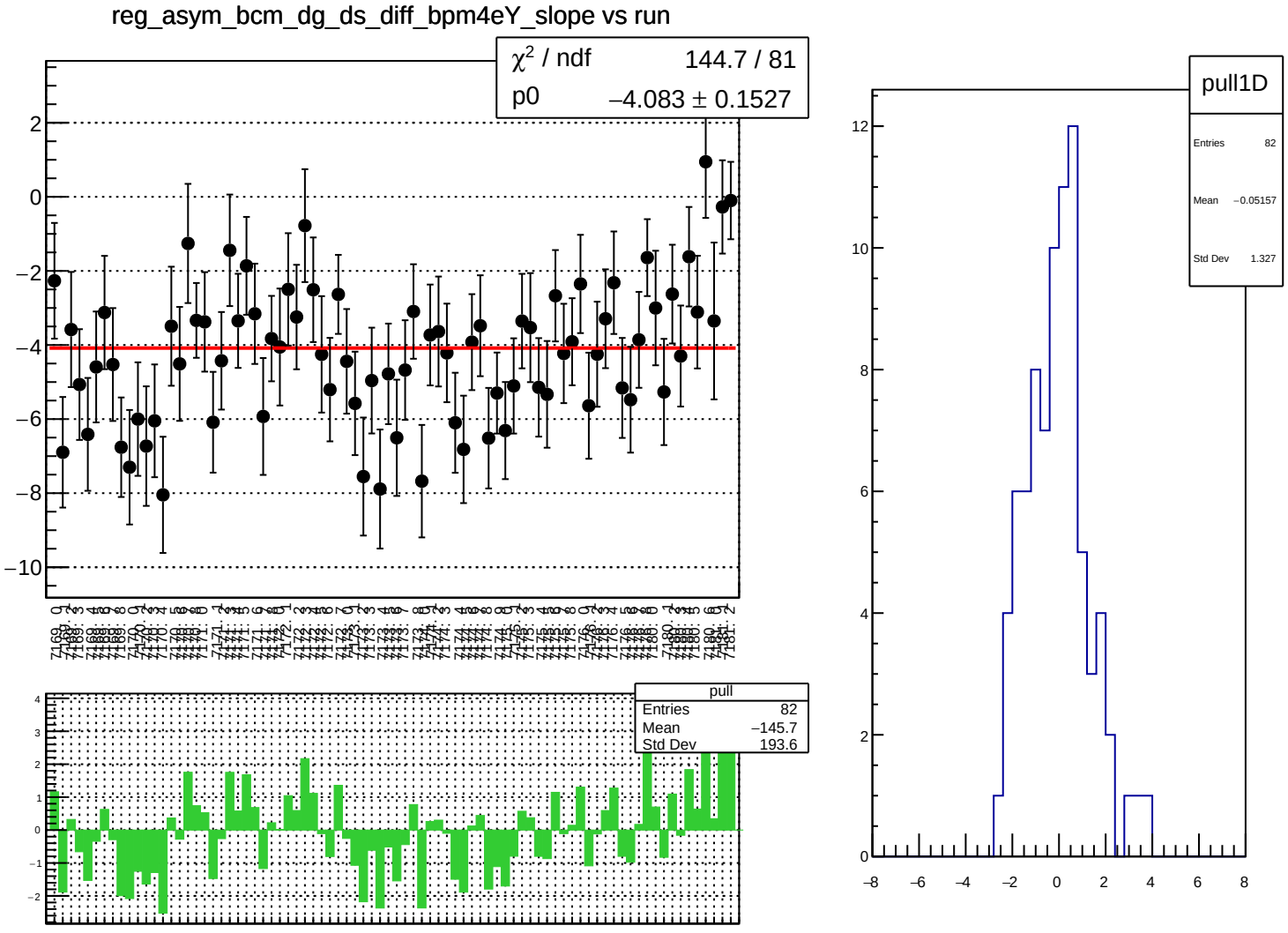

pull1D
Entries 82
Mean 0.02706
Std Dev 1.389

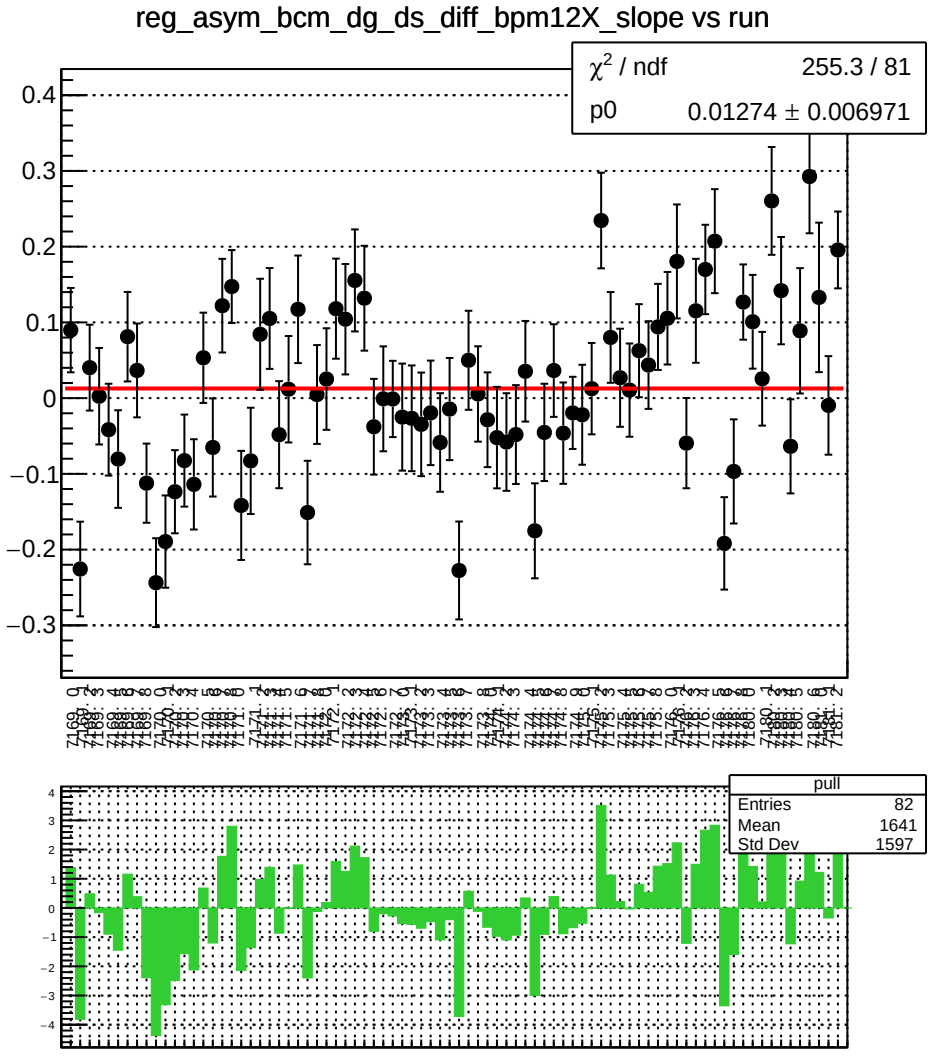

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 104.5 / 81
p0 2.965 ± 0.1359
pull
Entries 82
Mean −278.8
Std Dev 327.4

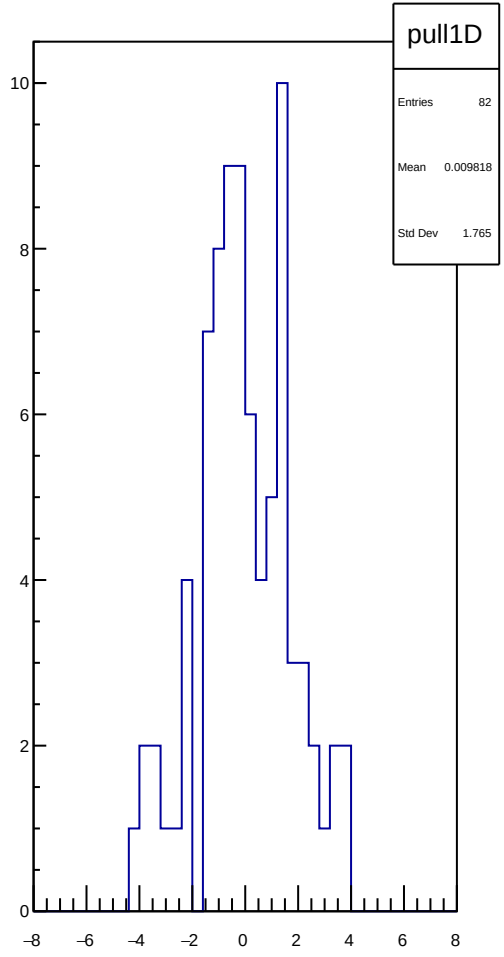

pull1D
Entries 82
Mean 0.02579
Std Dev 1.129

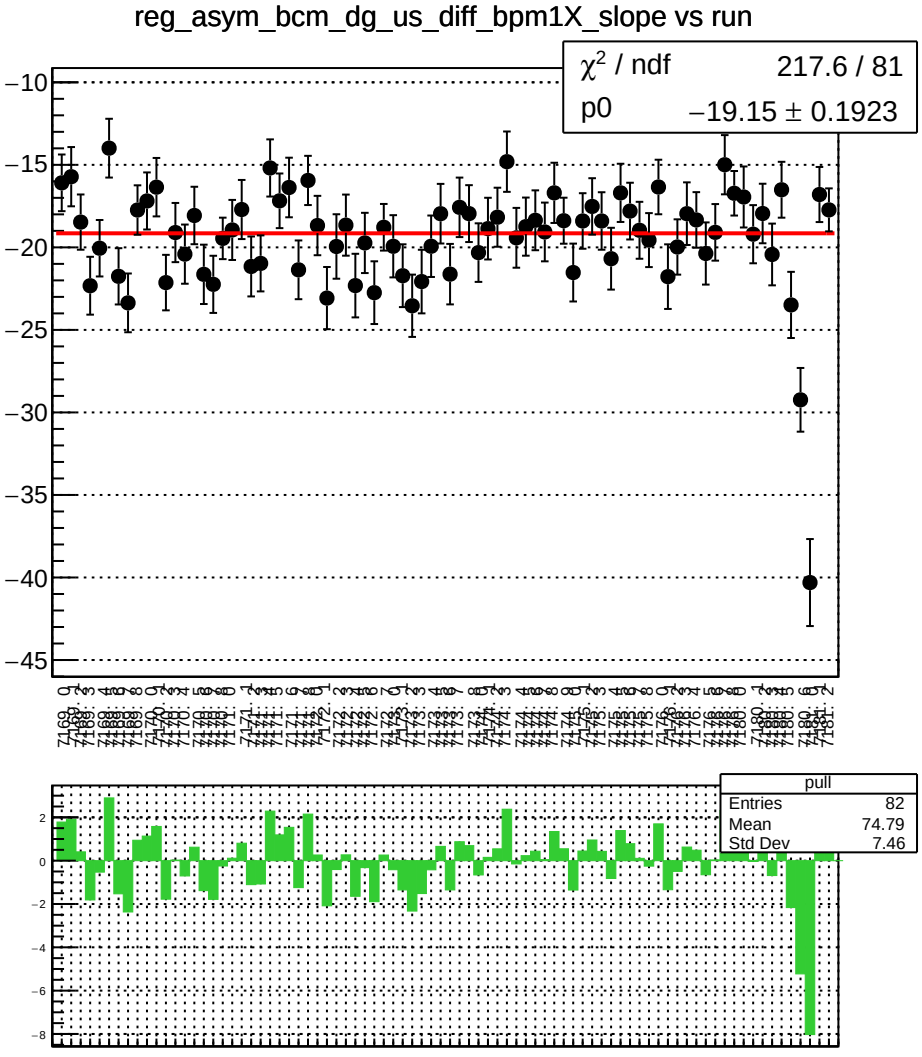

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 224.3 / 81
p0 18.61 ± 0.1893
pull
Entries 82
Mean 80.19
Std Dev 19.58

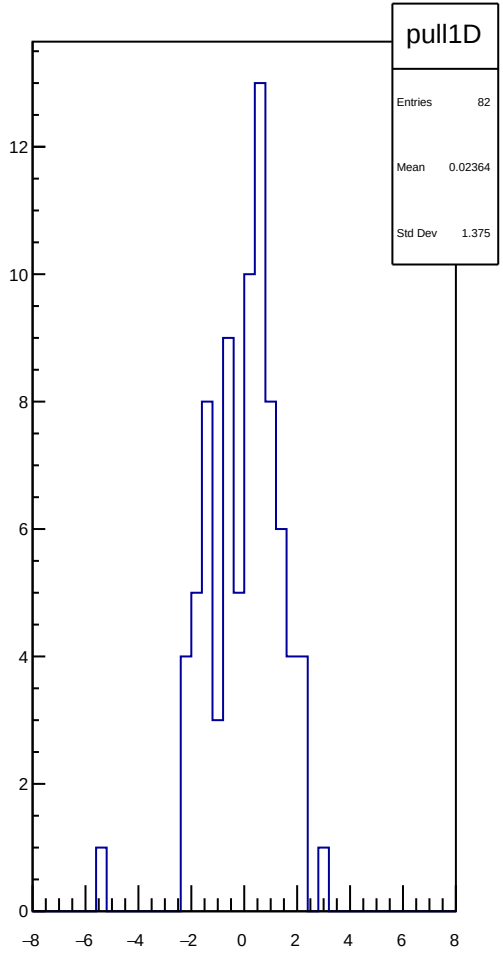

pull1D
Entries 82
Mean −0.02828
Std Dev 1.382

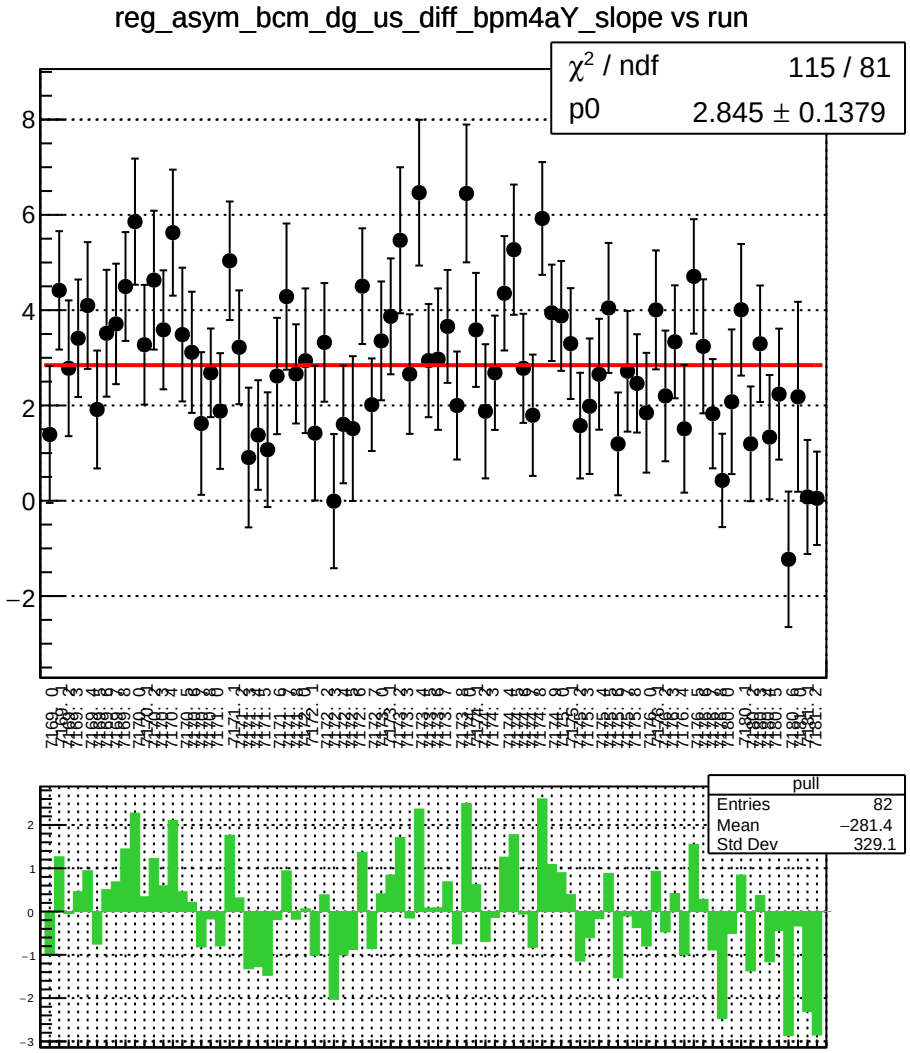

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 144.7 / 81
p0 −4.083 ± 0.1527
pull
Entries 82
Mean −145.7
Std Dev 193.6
pull1D
Entries 82
Mean −0.05157
Std Dev 1.327

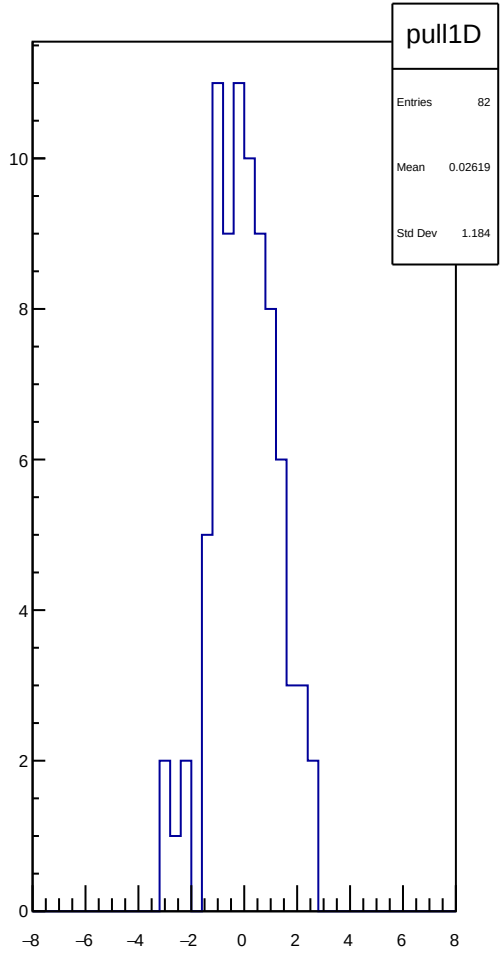

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ2 / ndf 255.3 / 81
p0 0.01274 ± 0.006971
pull
Entries 82
Mean 1641
Std Dev 1597

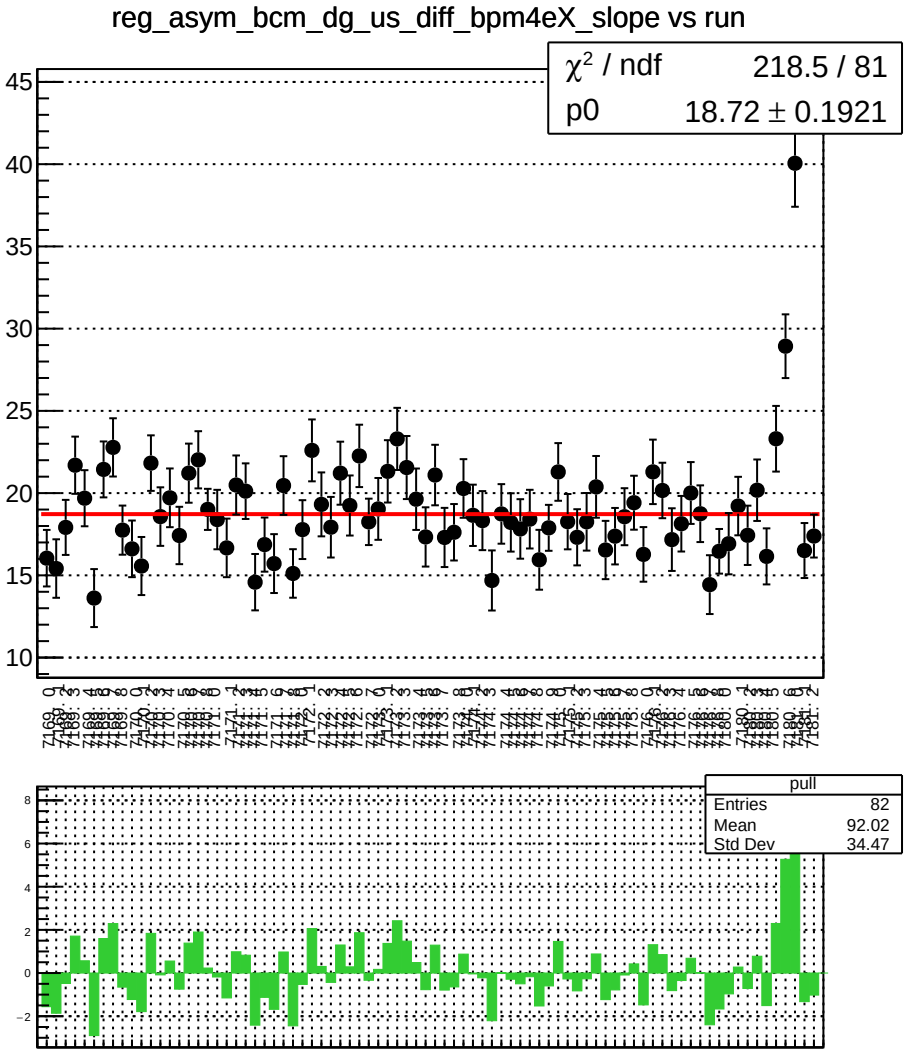

pull1D
Entries 82
Mean 0.009818
Std Dev 1.765

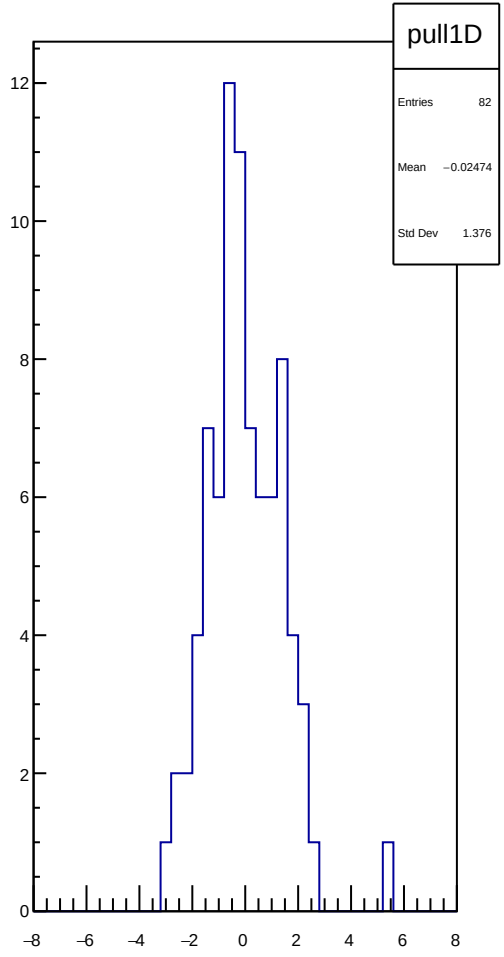

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 217.6 / 81
p0 −19.15 ± 0.1923
pull
Entries 82
Mean 74.79
Std Dev 7.46

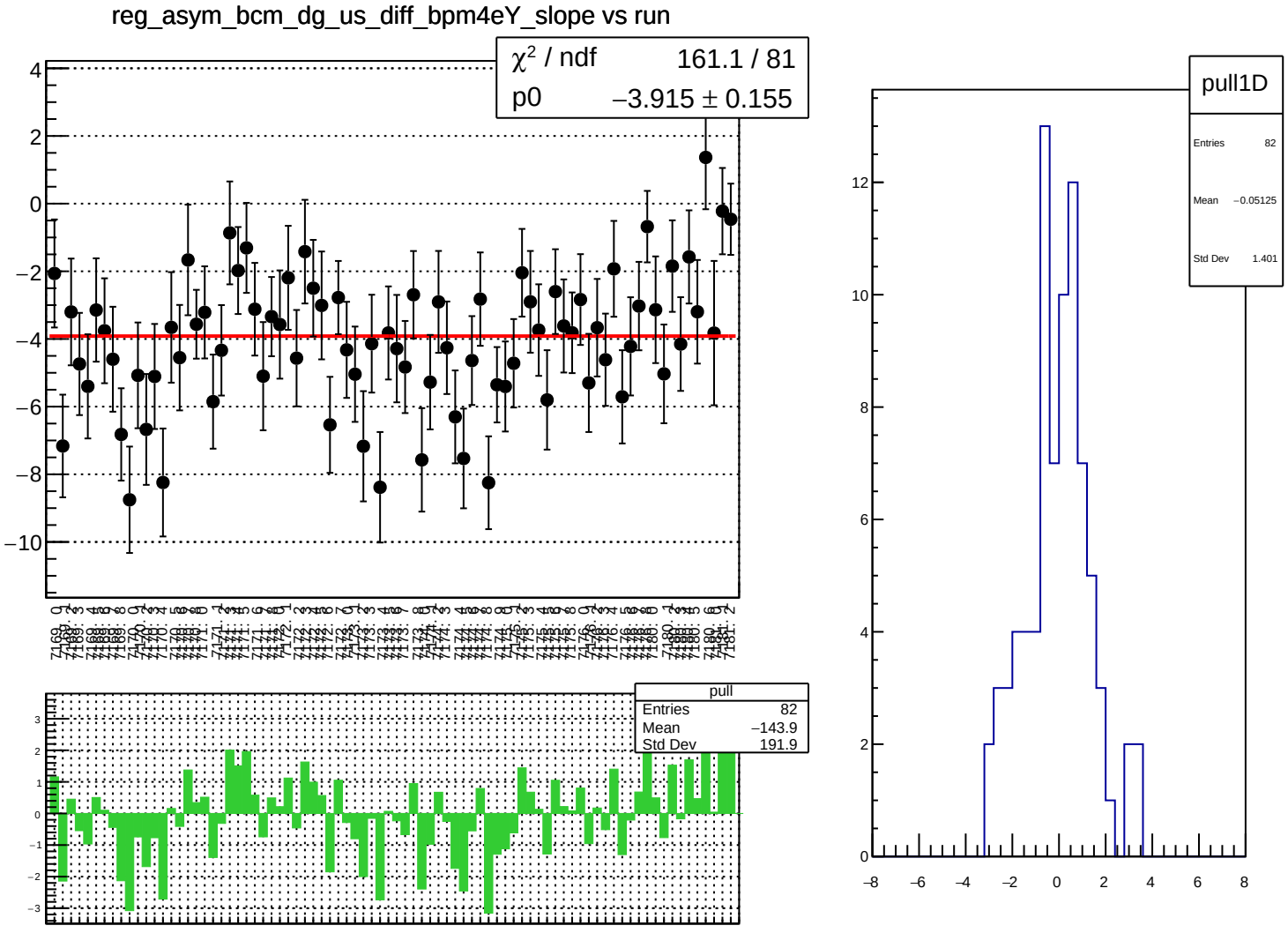

pull1D
Entries 82
Mean 0.02364
Std Dev 1.375

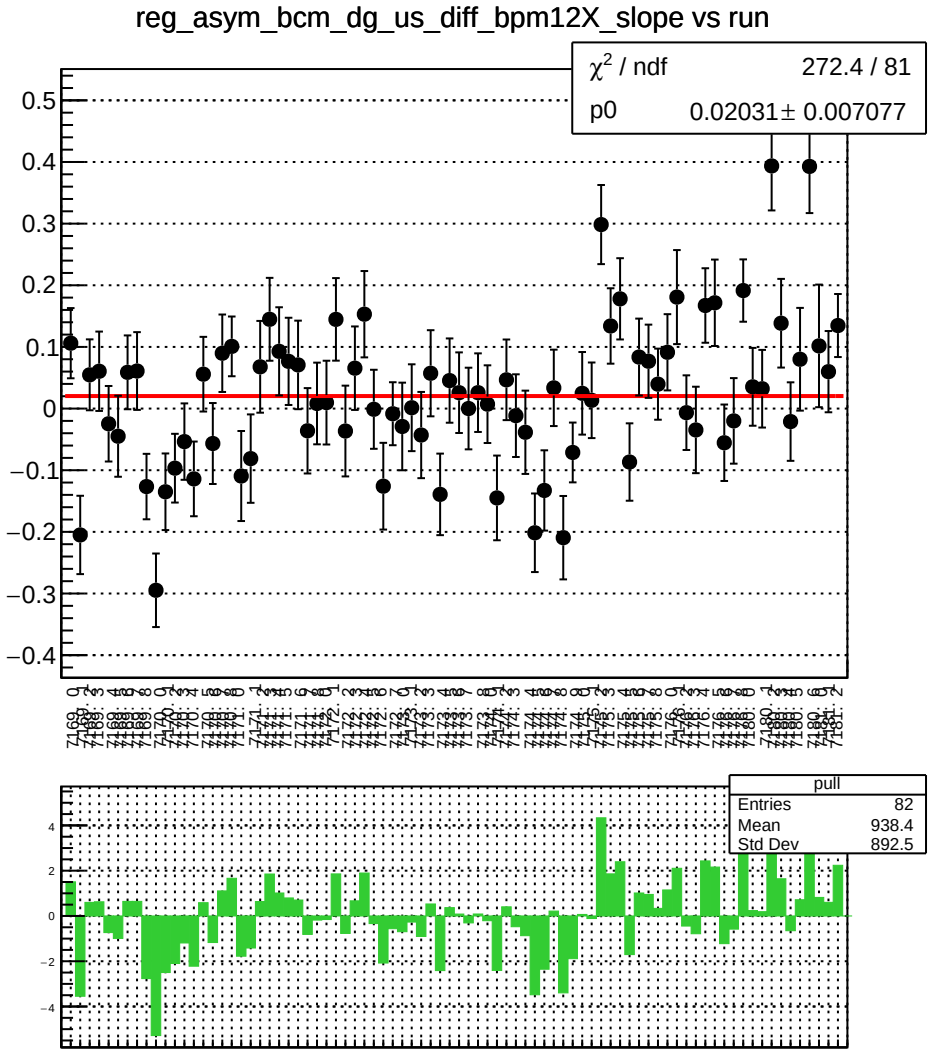

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 115 / 81
p0 2.845 ± 0.1379
pull
Entries 82
Mean −281.4
Std Dev 329.1

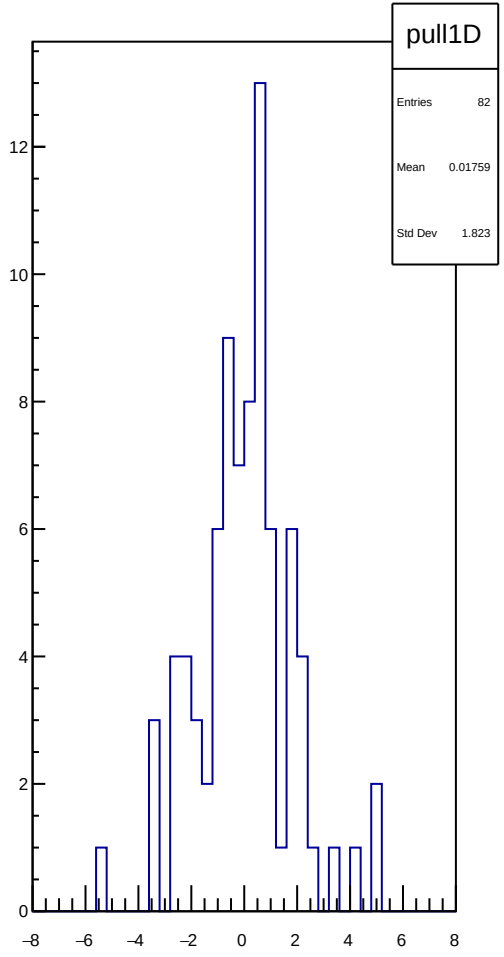

pull1D
Entries 82
Mean 0.02619
Std Dev 1.184


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 218.5 / 81
p0 18.72 ± 0.1921
pull
Entries 82
Mean 92.02
Std Dev 34.47


pull1D
Entries 82
Mean −0.02474
Std Dev 1.376


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 161.1 / 81
p0 −3.915 ± 0.155
pull
Entries 82
Mean −143.9
Std Dev 191.9
pull1D
Entries 82
Mean −0.05125
Std Dev 1.401


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 272.4 / 81
p0 0.02031 ± 0.007077
pull
Entries 82
Mean 938.4
Std Dev 892.5


pull1D
Entries 82
Mean 0.01759
Std Dev 1.823