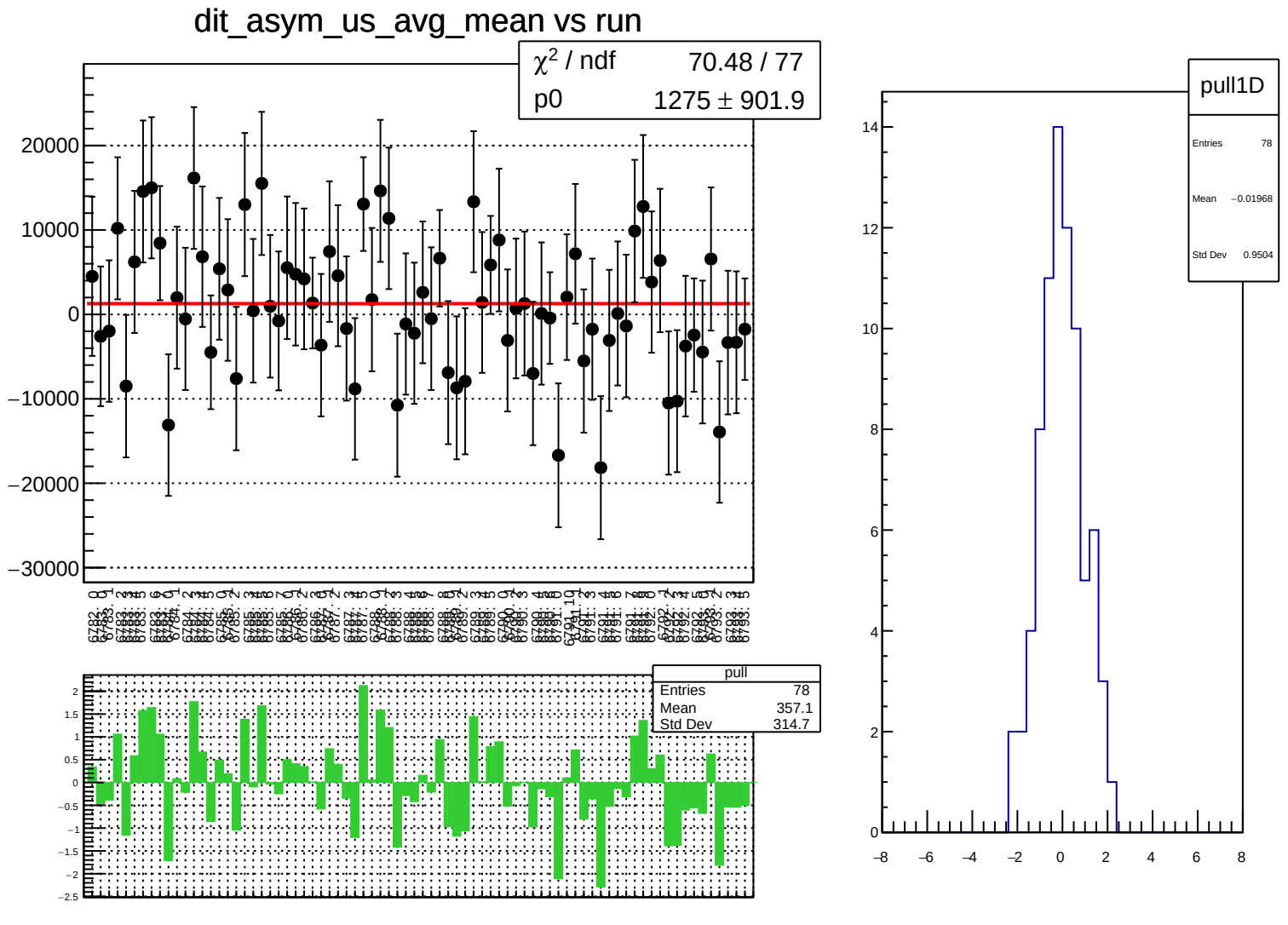
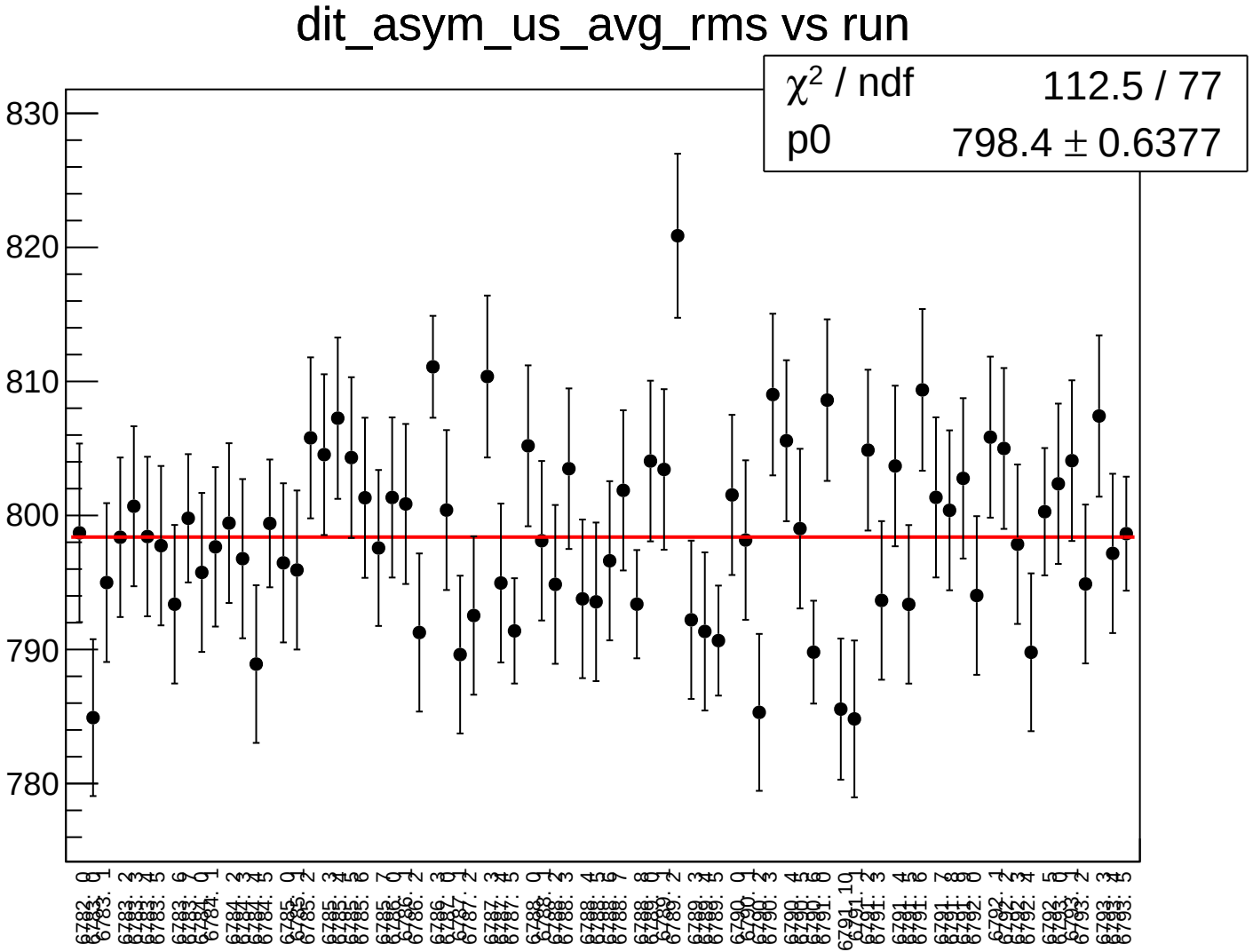
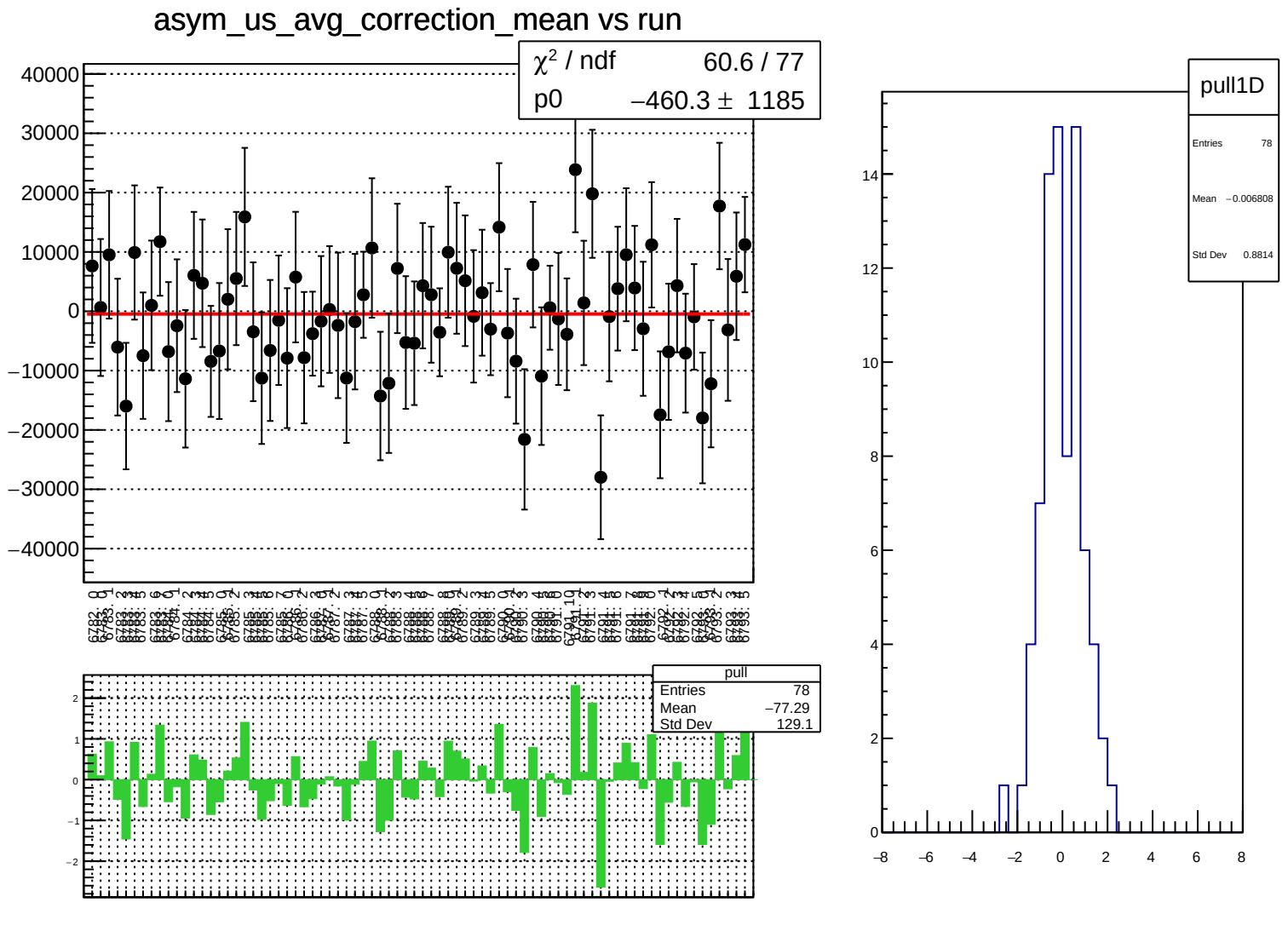
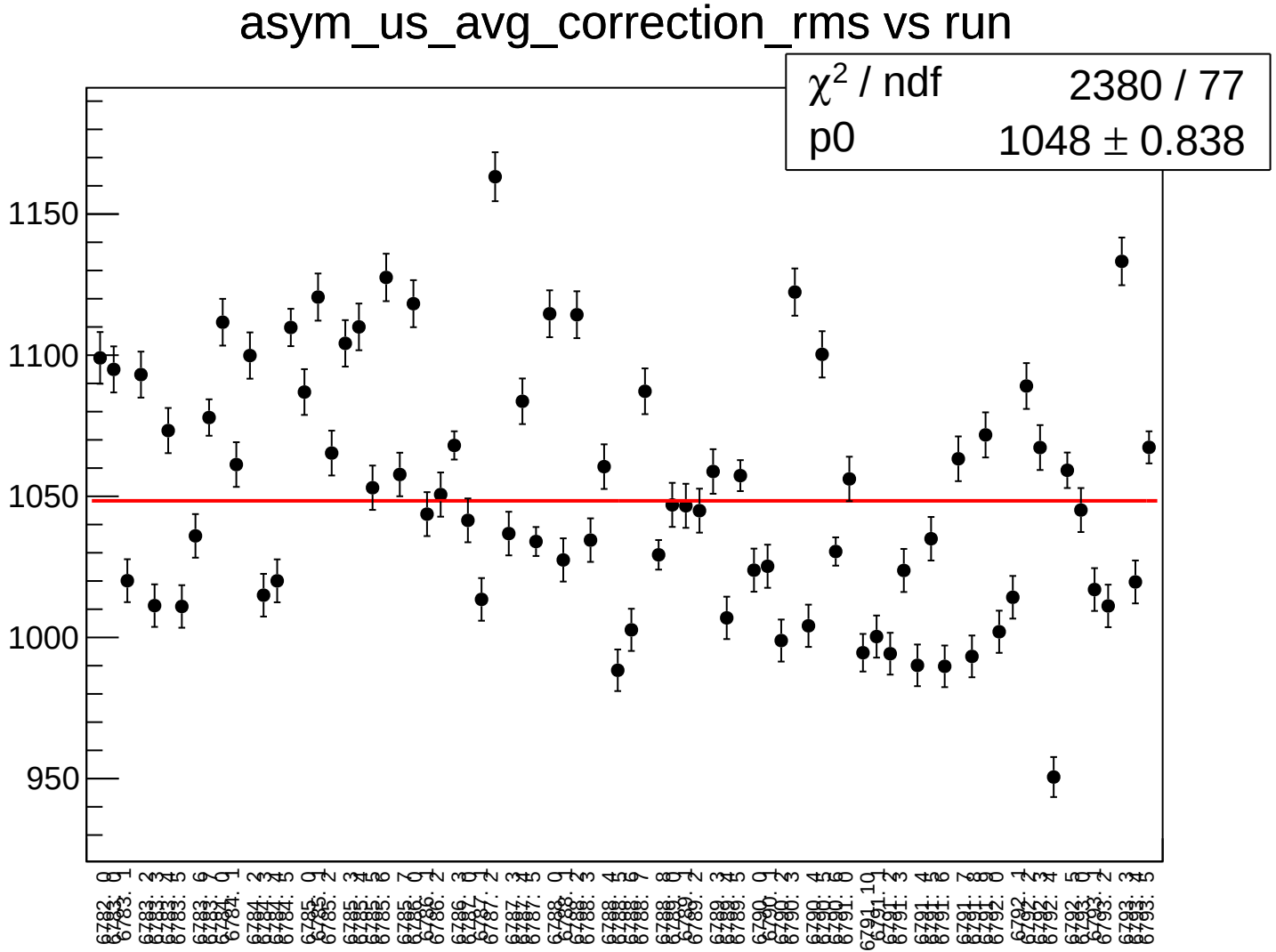
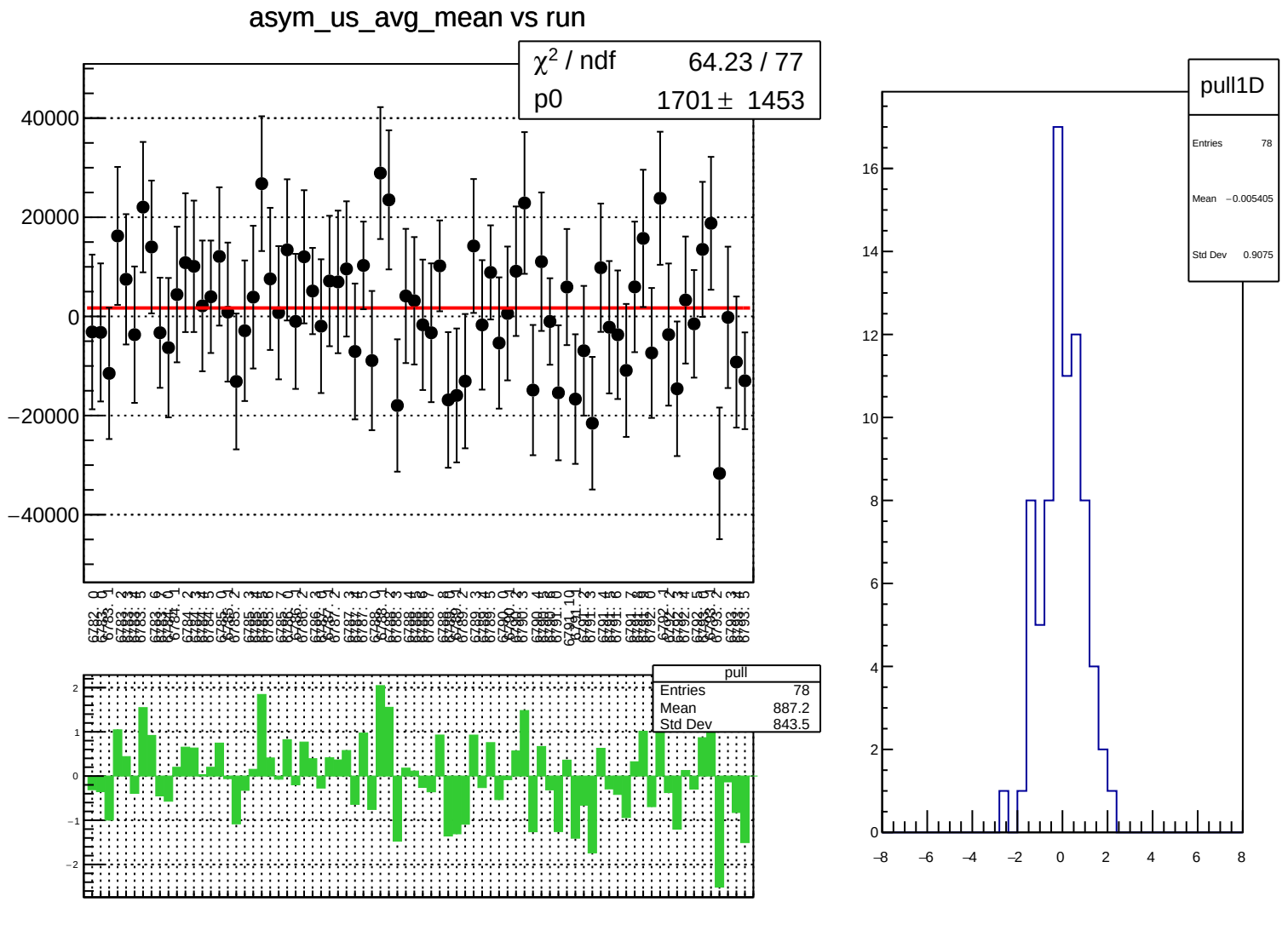
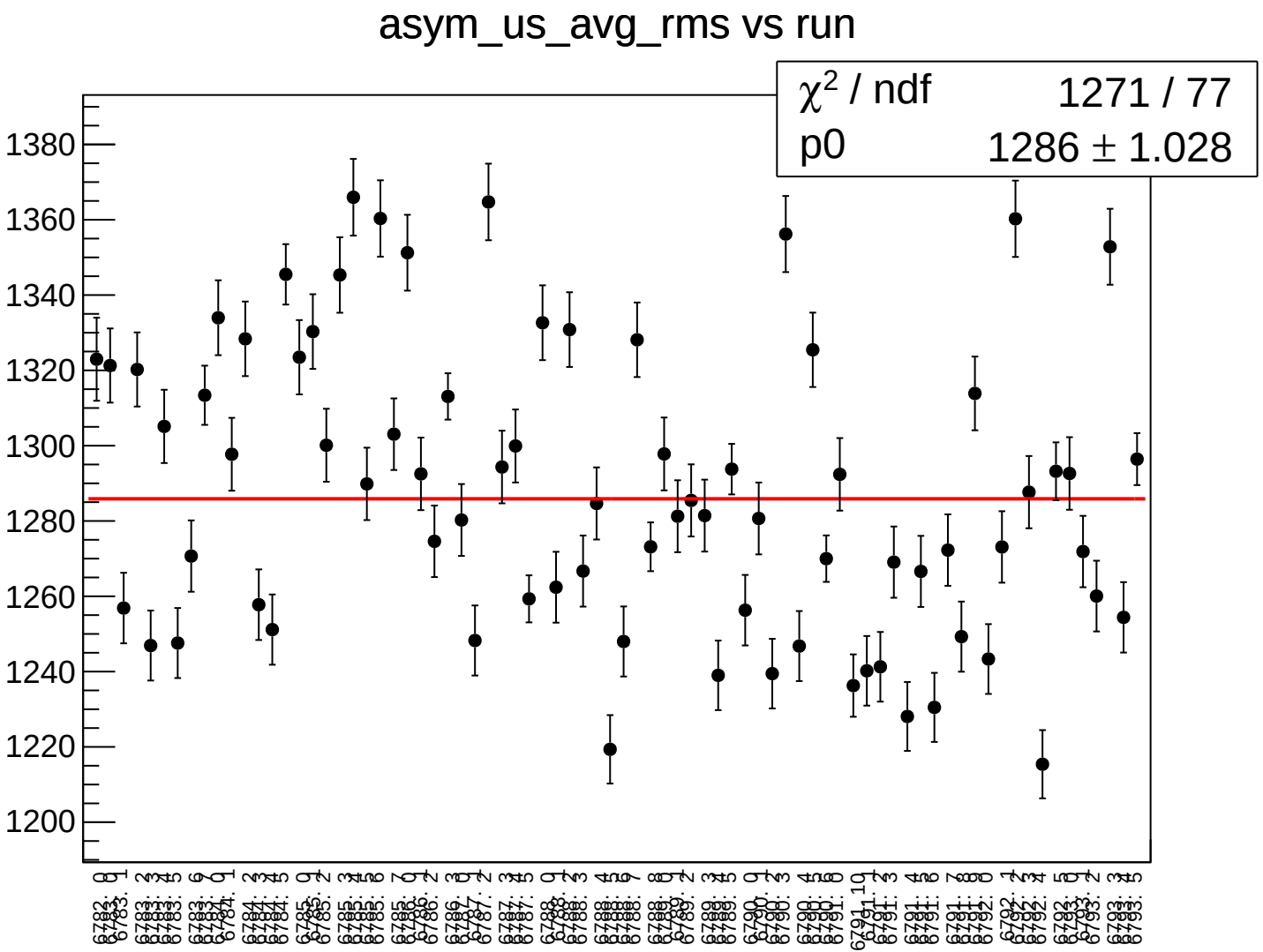

dit_asym_us_avg_mean vs run
χ² / ndf 70.48 / 77
p0 1275 ± 901.9
pull
Entries 78
Mean 357.1
Std Dev 314.7
pull1D
Entries 78
Mean −0.01968
Std Dev 0.9504

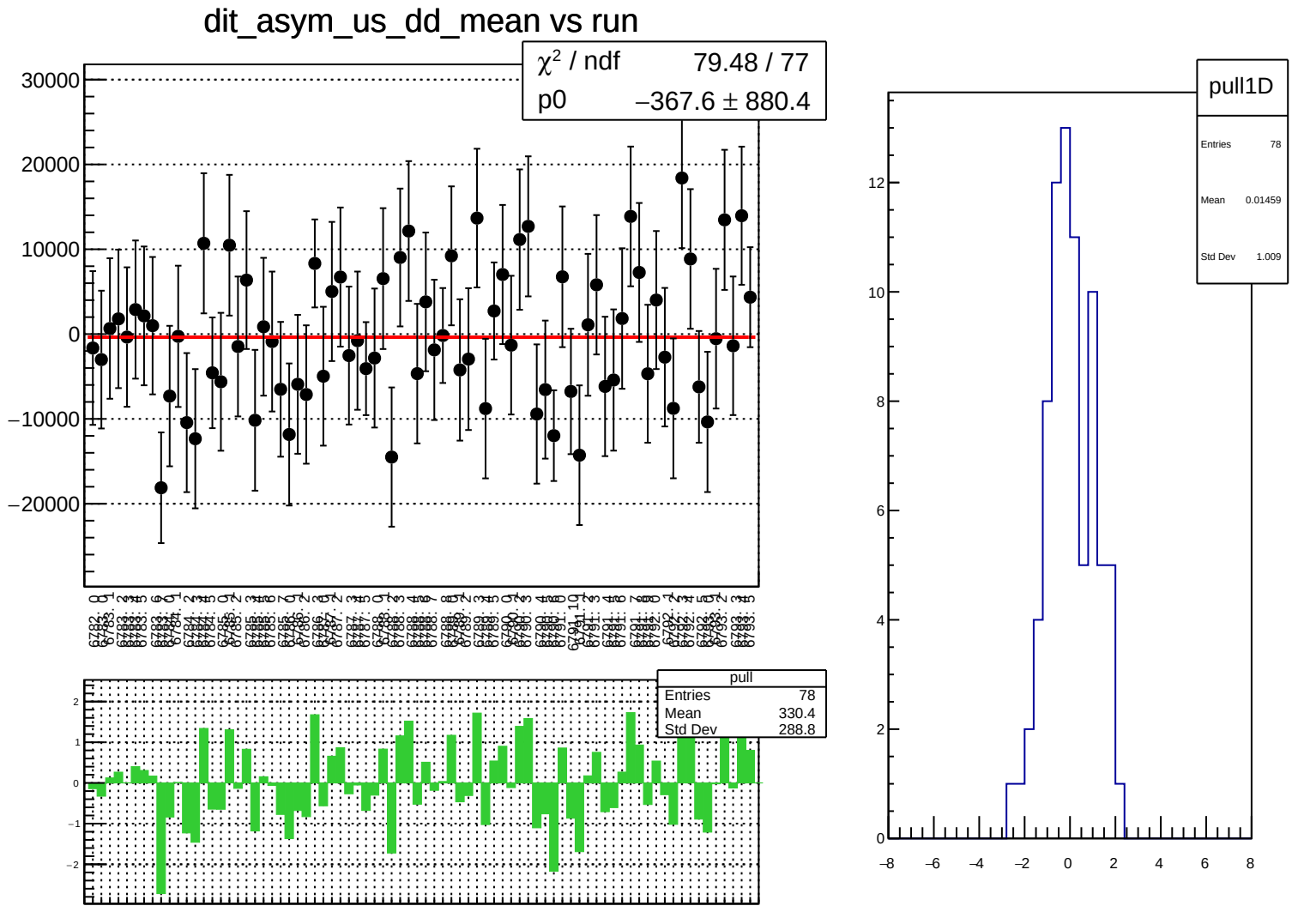

dit_asym_us_avg_rms vs run
χ^2 / ndf 112.5 / 77
p0 798.4 ± 0.6377
830
820
810
800
790
780

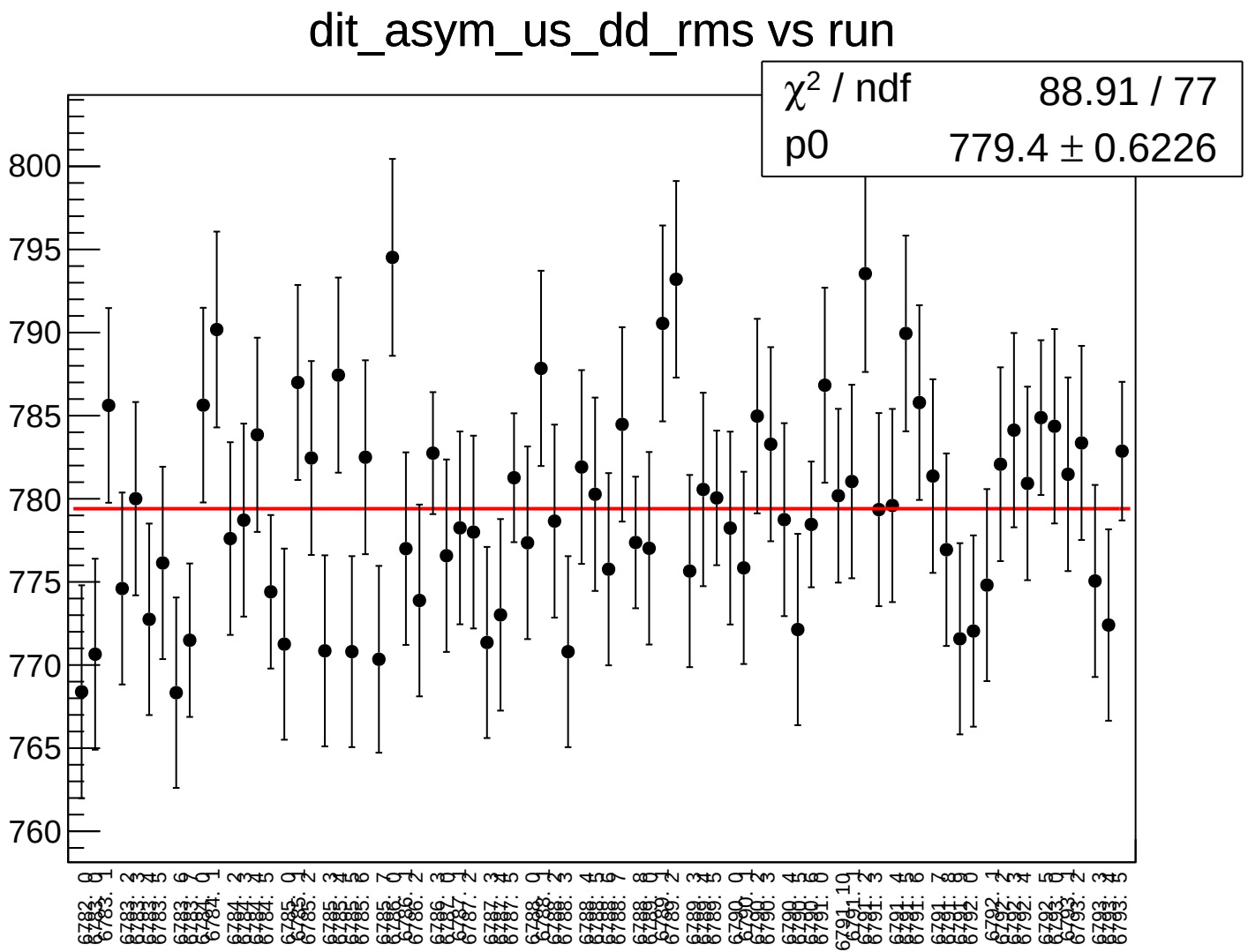

asym_us_avg_correction_mean vs run
χ² / ndf 60.6 / 77
p0 −460.3 ± 1185
pull
Entries 78
Mean −77.29
Std Dev 129.1
pull1D
Entries 78
Mean −0.006808
Std Dev 0.8814

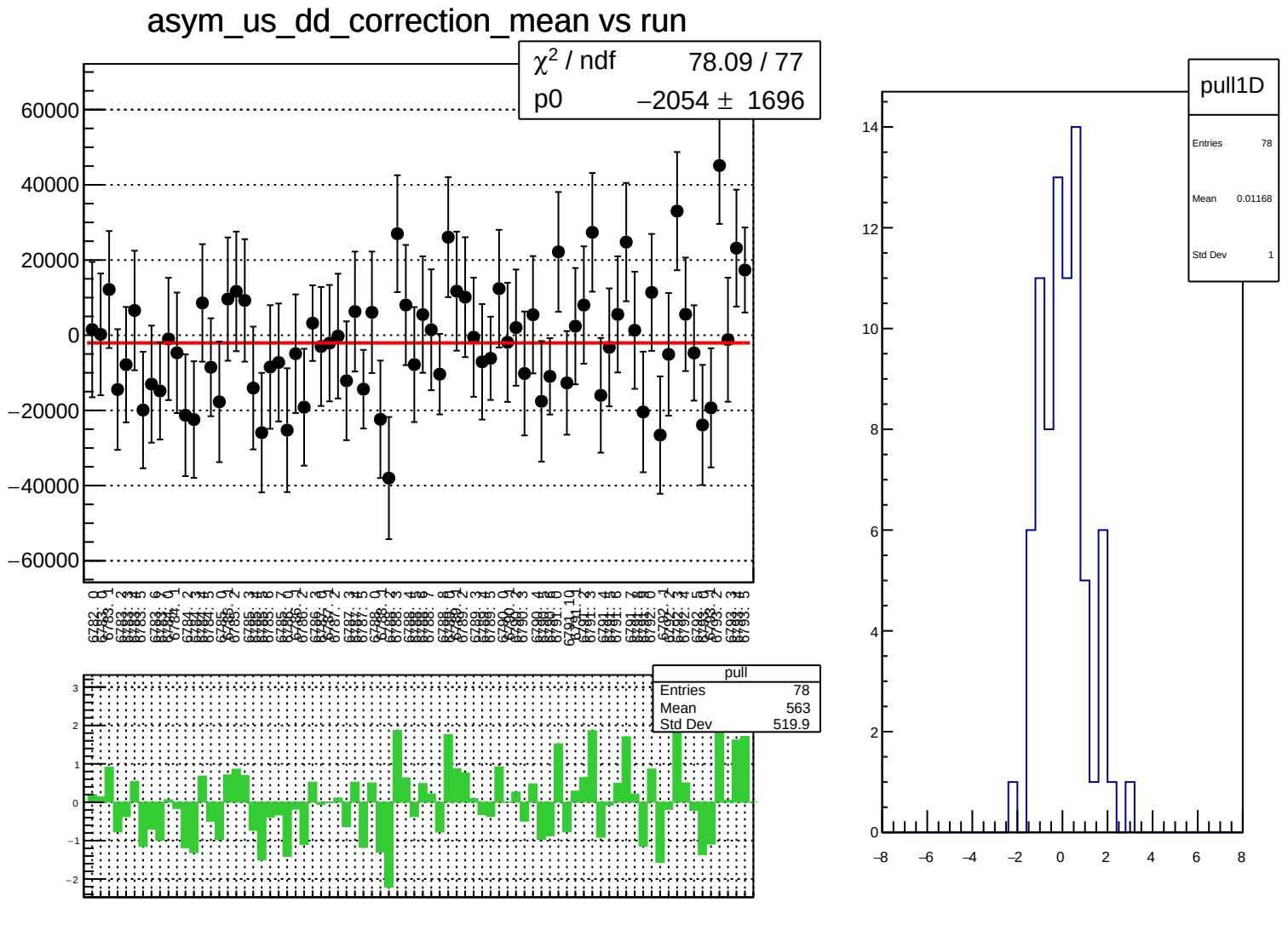

asym_us_avg_correction_rms vs run
χ^2 / ndf 2380 / 77
p0 1048 ± 0.838
1150
1100
1050
1000
950


asym_us_avg_mean vs run
χ^2 / ndf 64.23 / 77
p0 1701 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 887.2
Std Dev 843.5
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.005405
Std Dev 0.9075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

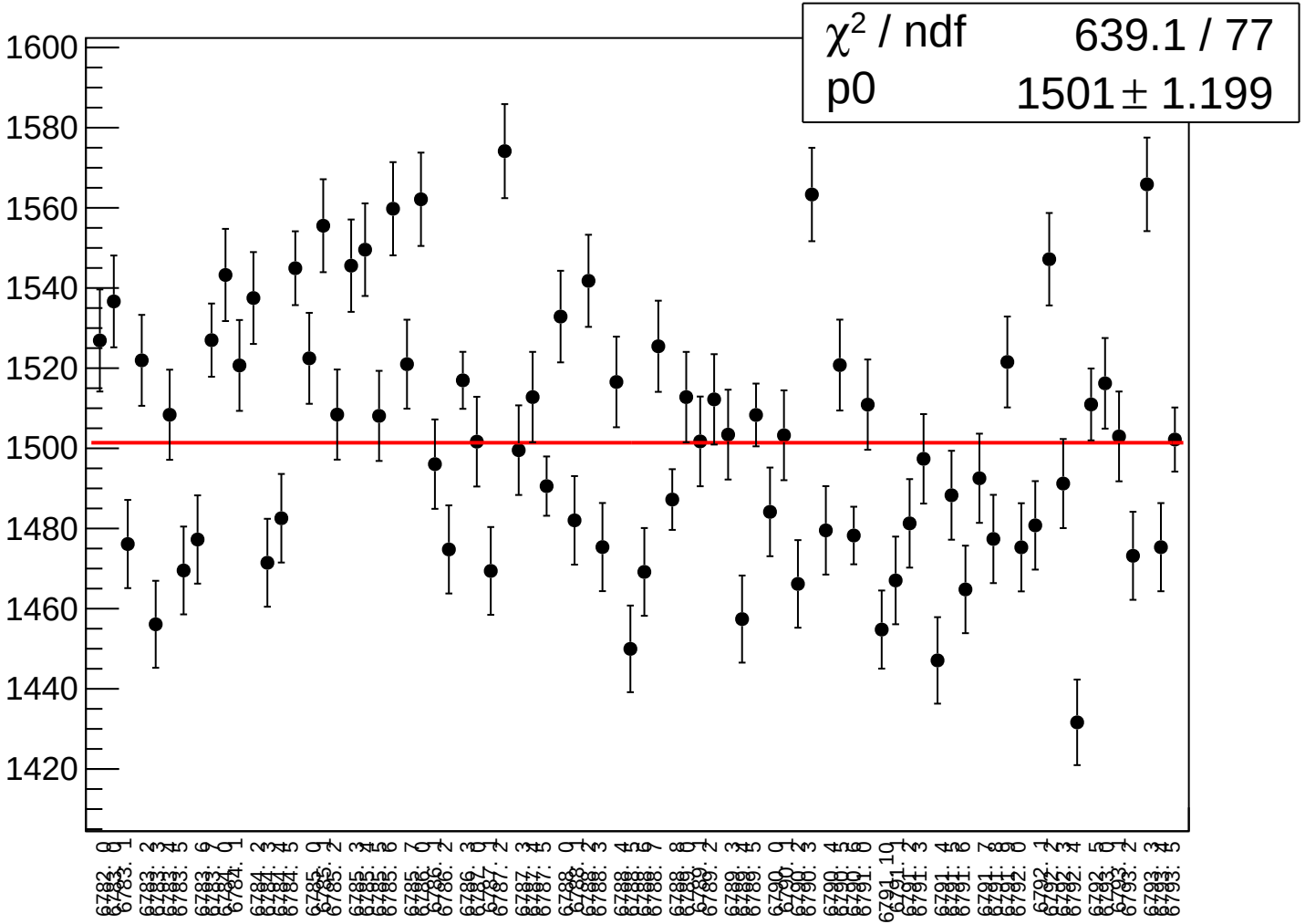

asym_us_avg_rms vs run
χ² / ndf 1271 / 77
p0 1286 ± 1.028
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

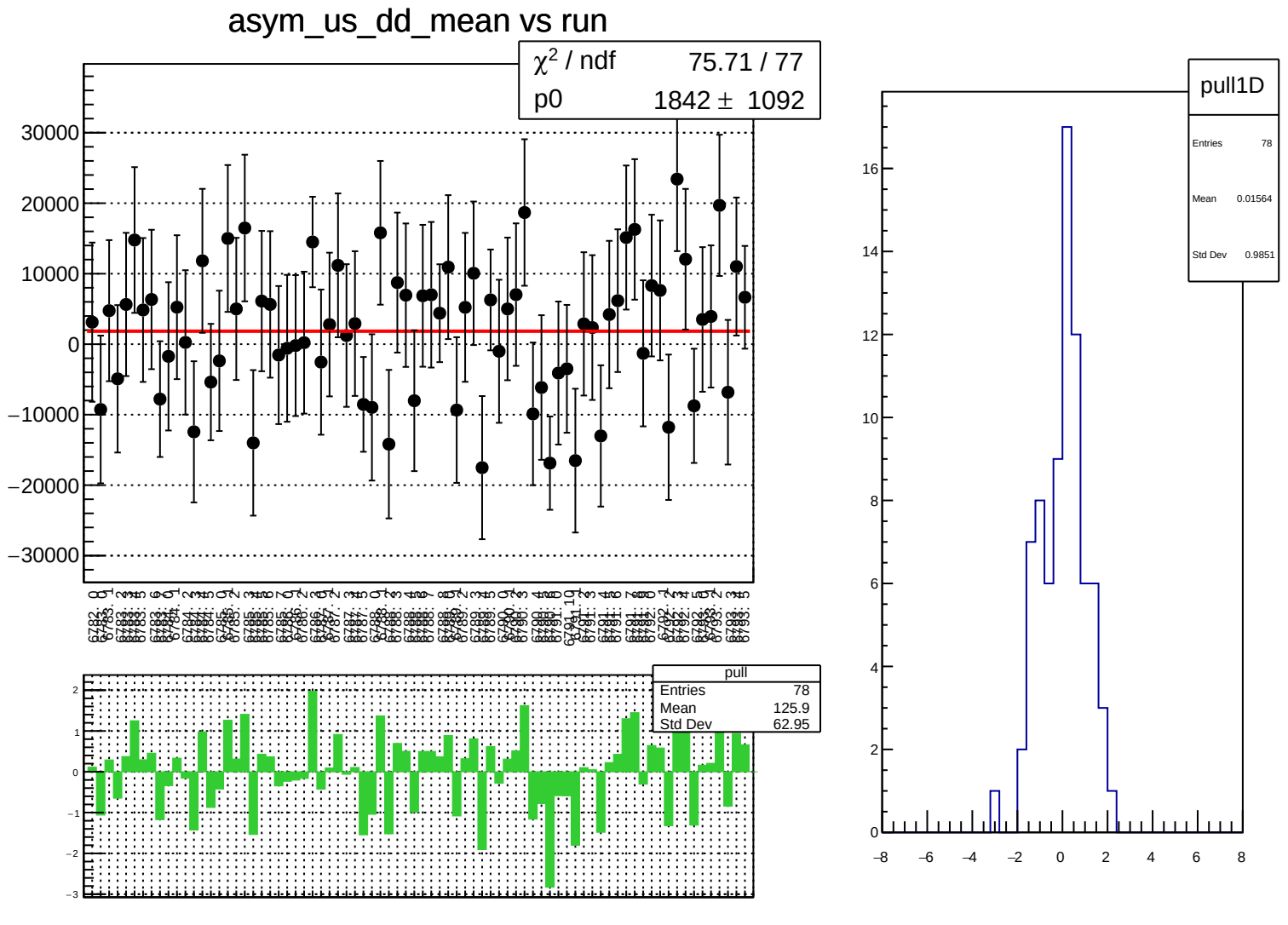

dit_asym_us_dd_mean vs run
χ² / ndf 79.48 / 77
p0 −367.6 ± 880.4
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean 330.4
Std Dev 288.8
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01459
Std Dev 1.009
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 88.91 / 77
p0 779.4 ± 0.6226
800
795
790
785
780
775
770
765
760

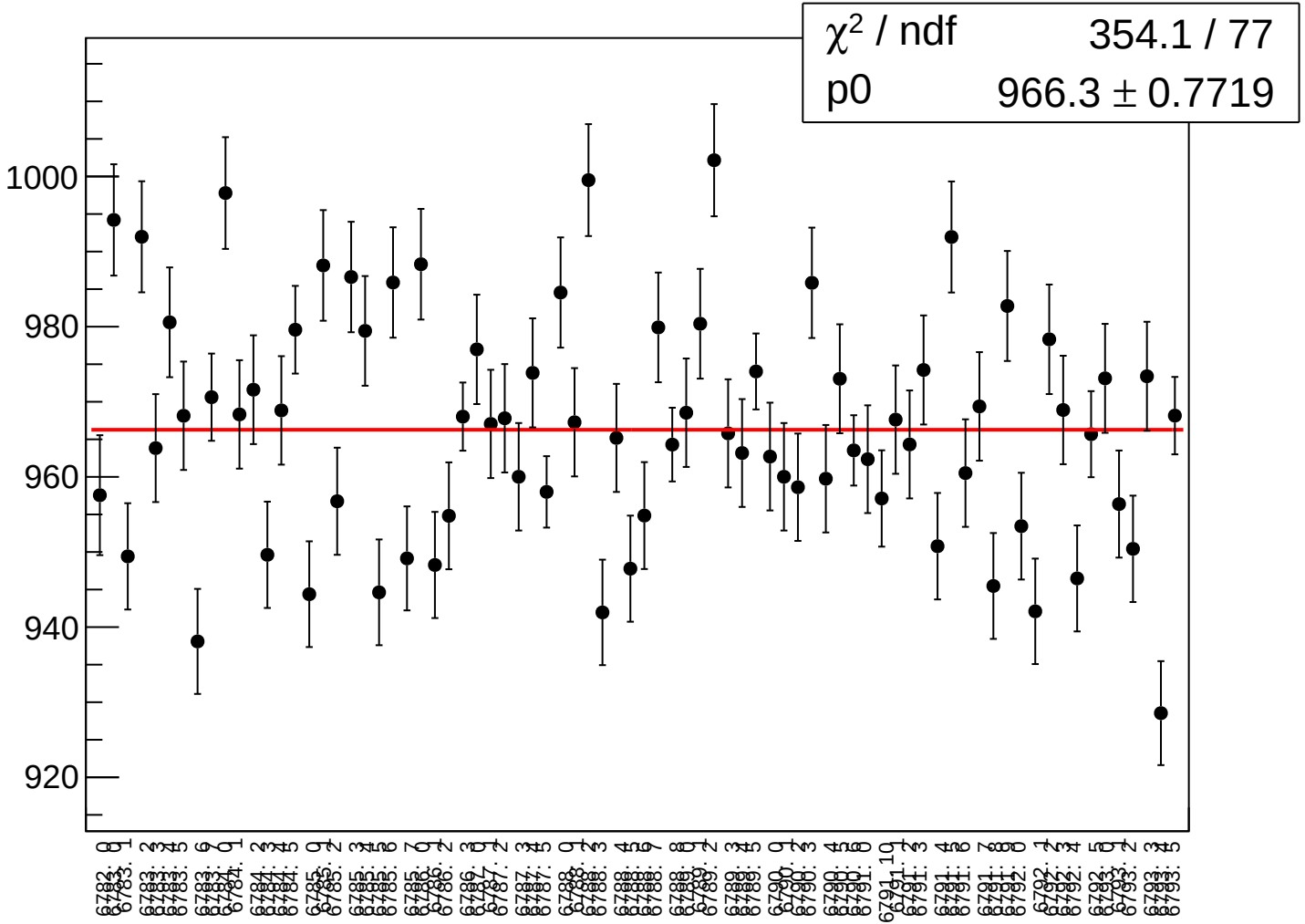

asym_us_dd_correction_mean vs run
χ^2 / ndf 78.09 / 77
p0 −2054 ± 1696
pull
Entries 78
Mean 563
Std Dev 519.9
pull1D
Entries 78
Mean 0.01168
Std Dev 1

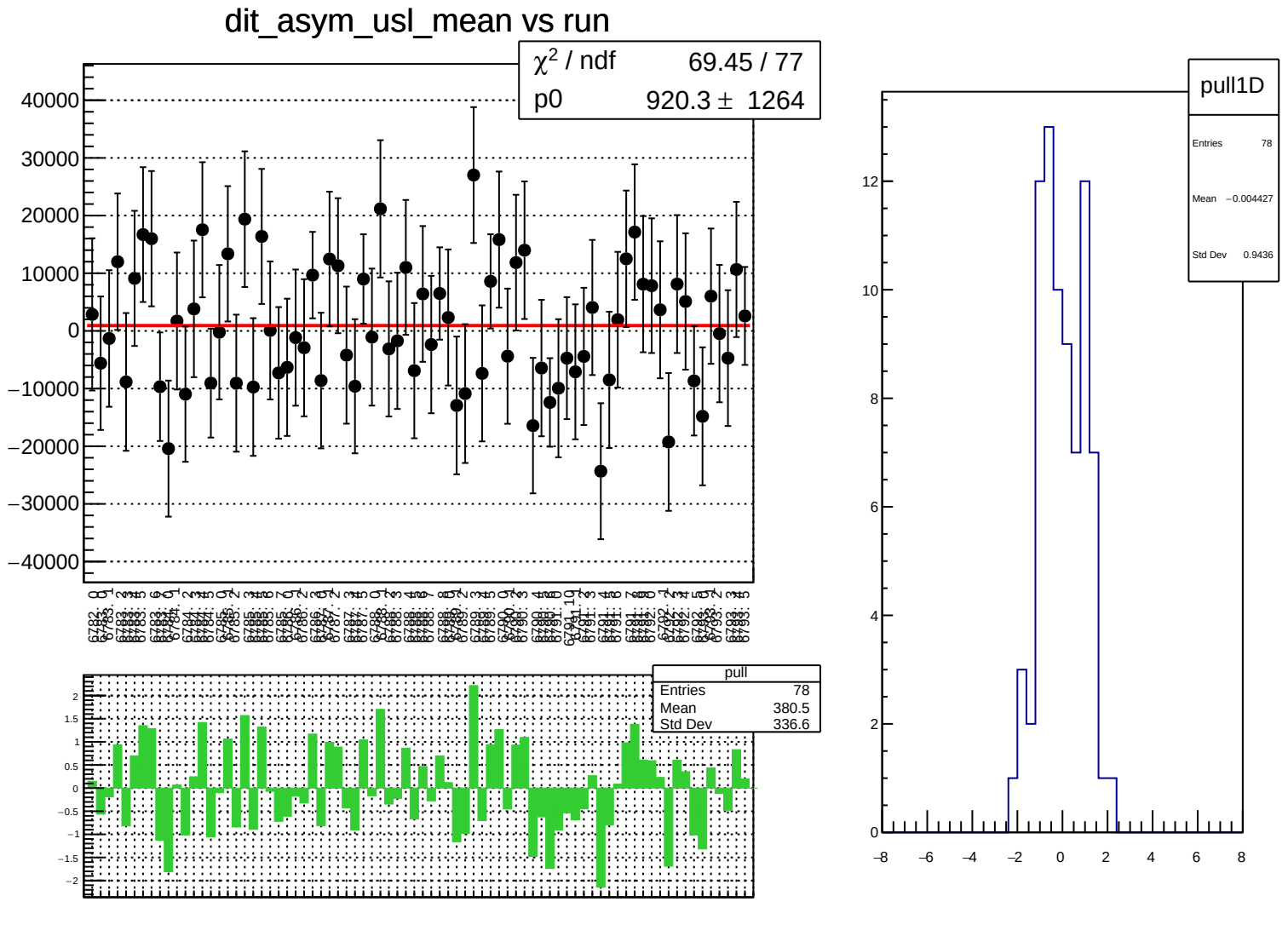
asym_us_dd_correction_rms vs run



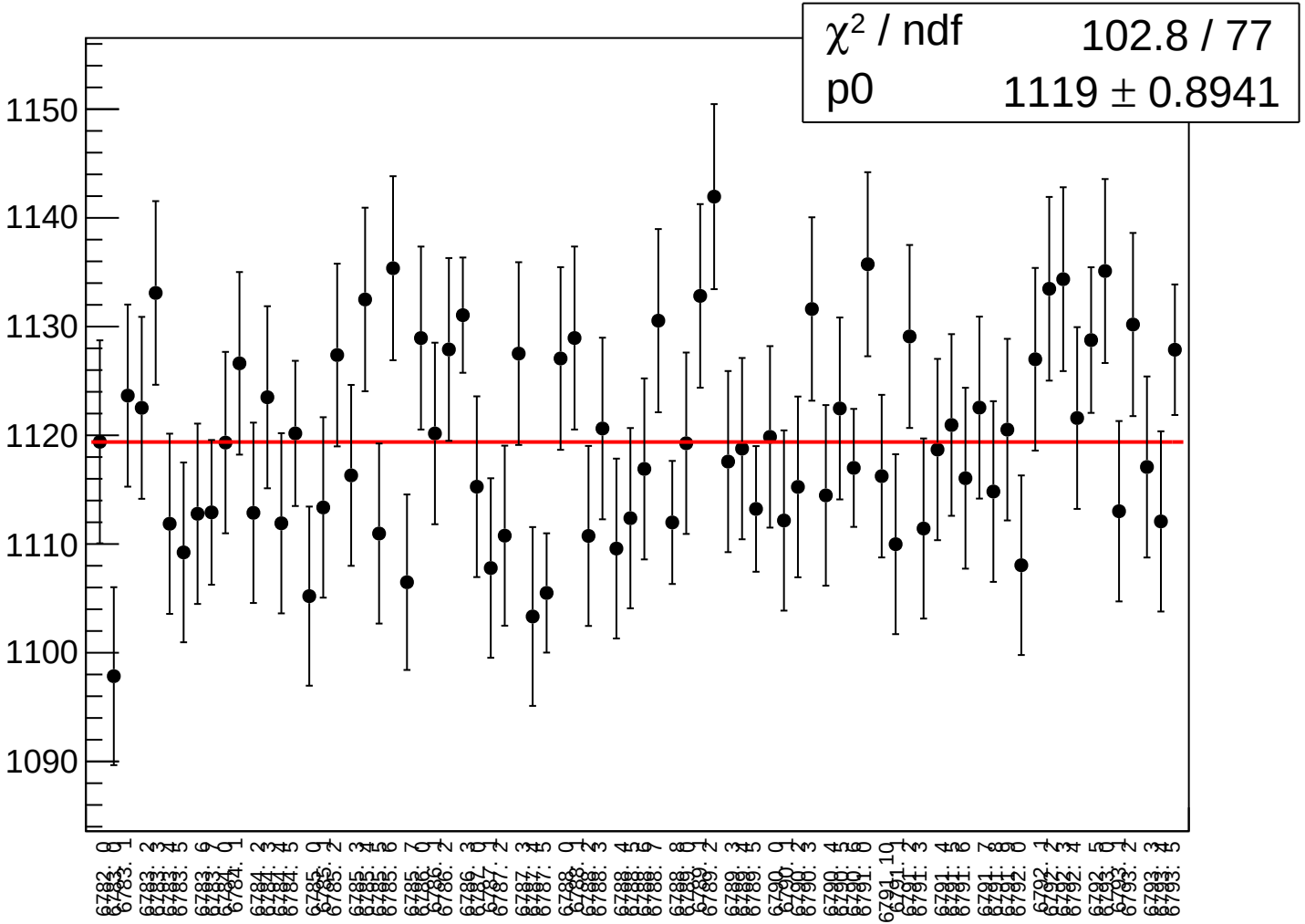

asym_us_dd_mean vs run
χ² / ndf 75.71 / 77
p0 1842 ± 1092
pull
Entries 78
Mean 125.9
Std Dev 62.95
pull1D
Entries 78
Mean 0.01564
Std Dev 0.9851

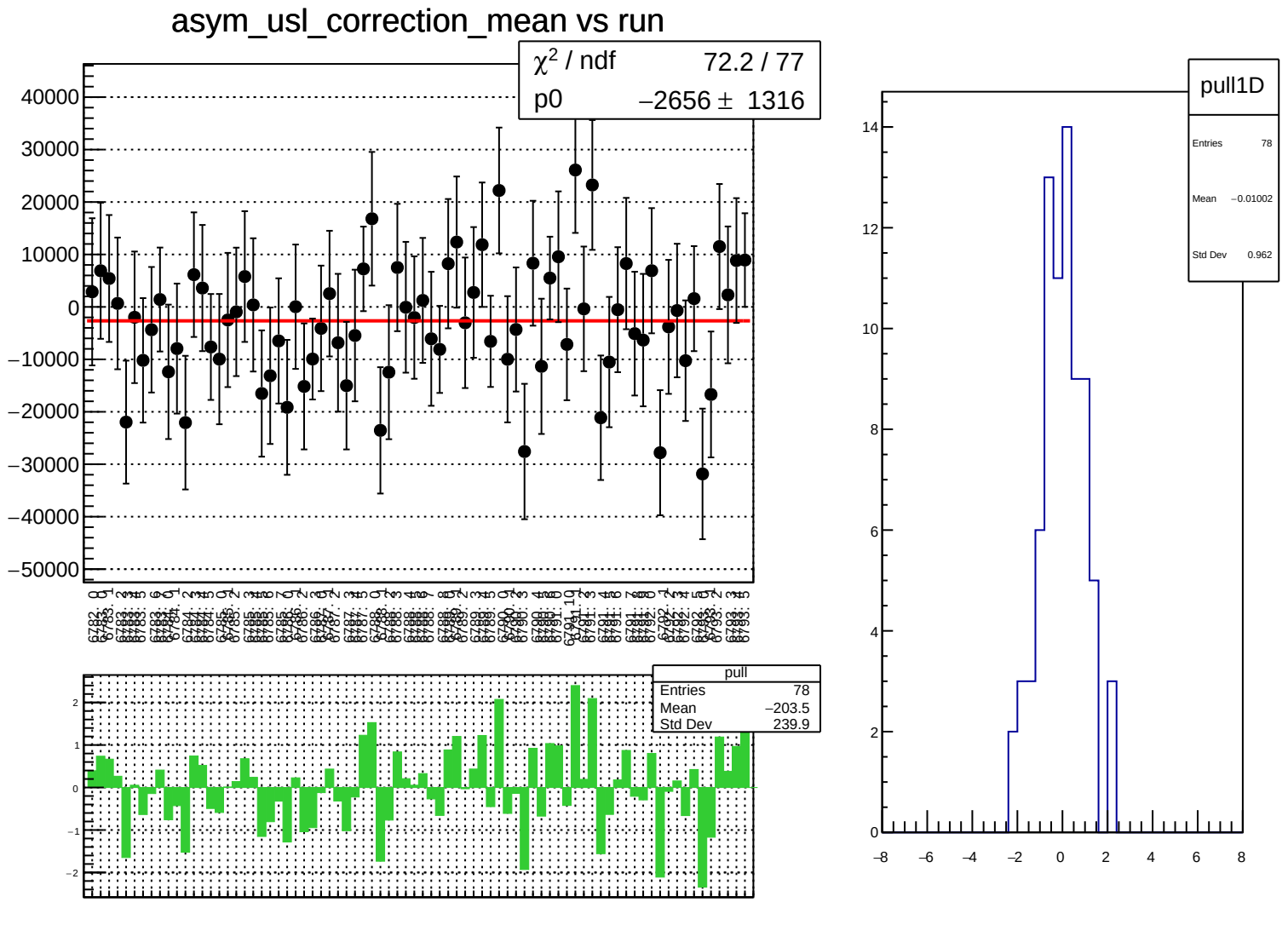
asym_us_dd_rms vs run



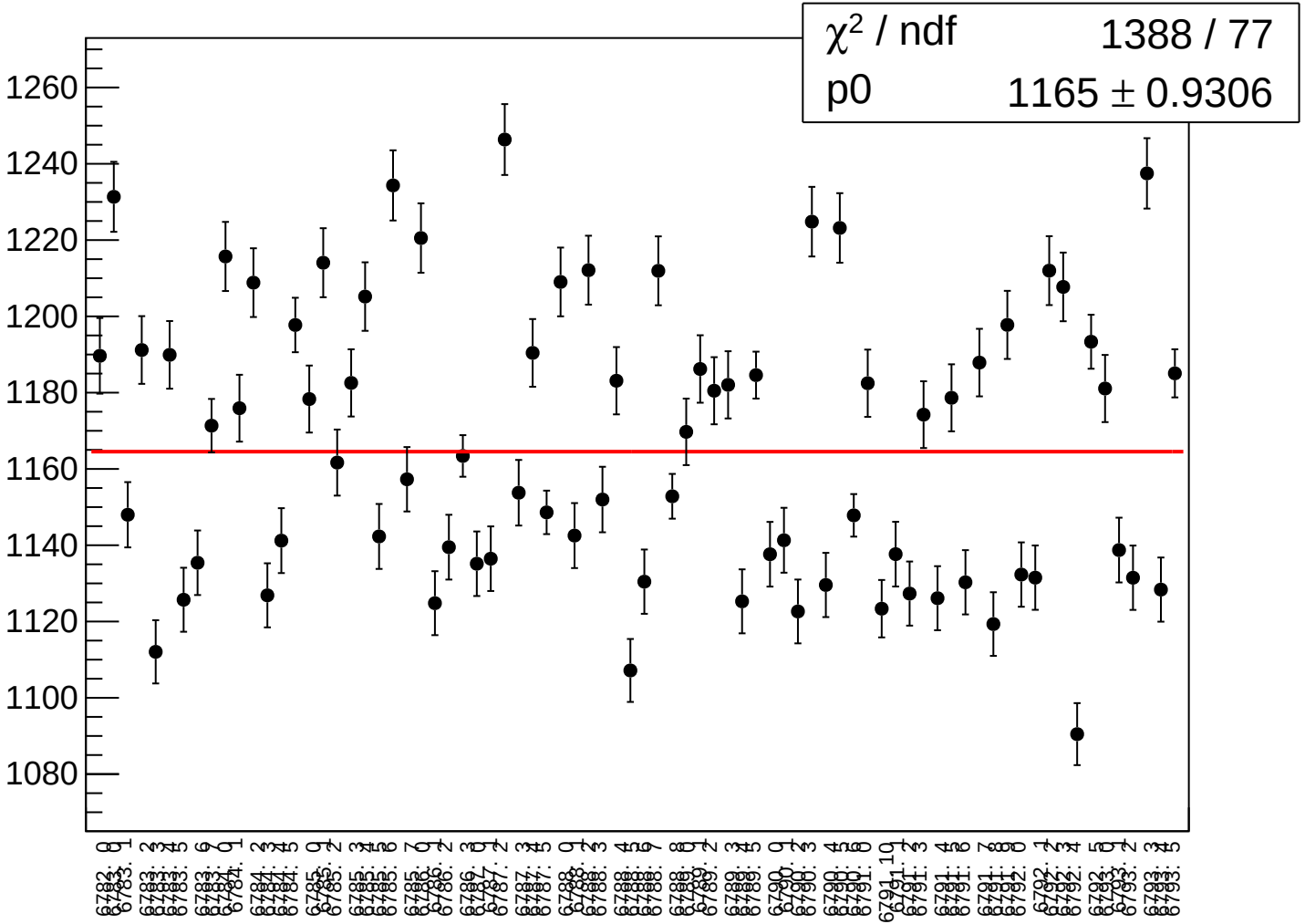

dit_asym_usl_mean vs run
χ² / ndf 69.45 / 77
p0 920.3 ± 1264
pull
Entries 78
Mean 380.5
Std Dev 336.6
pull1D
Entries 78
Mean −0.004427
Std Dev 0.9436

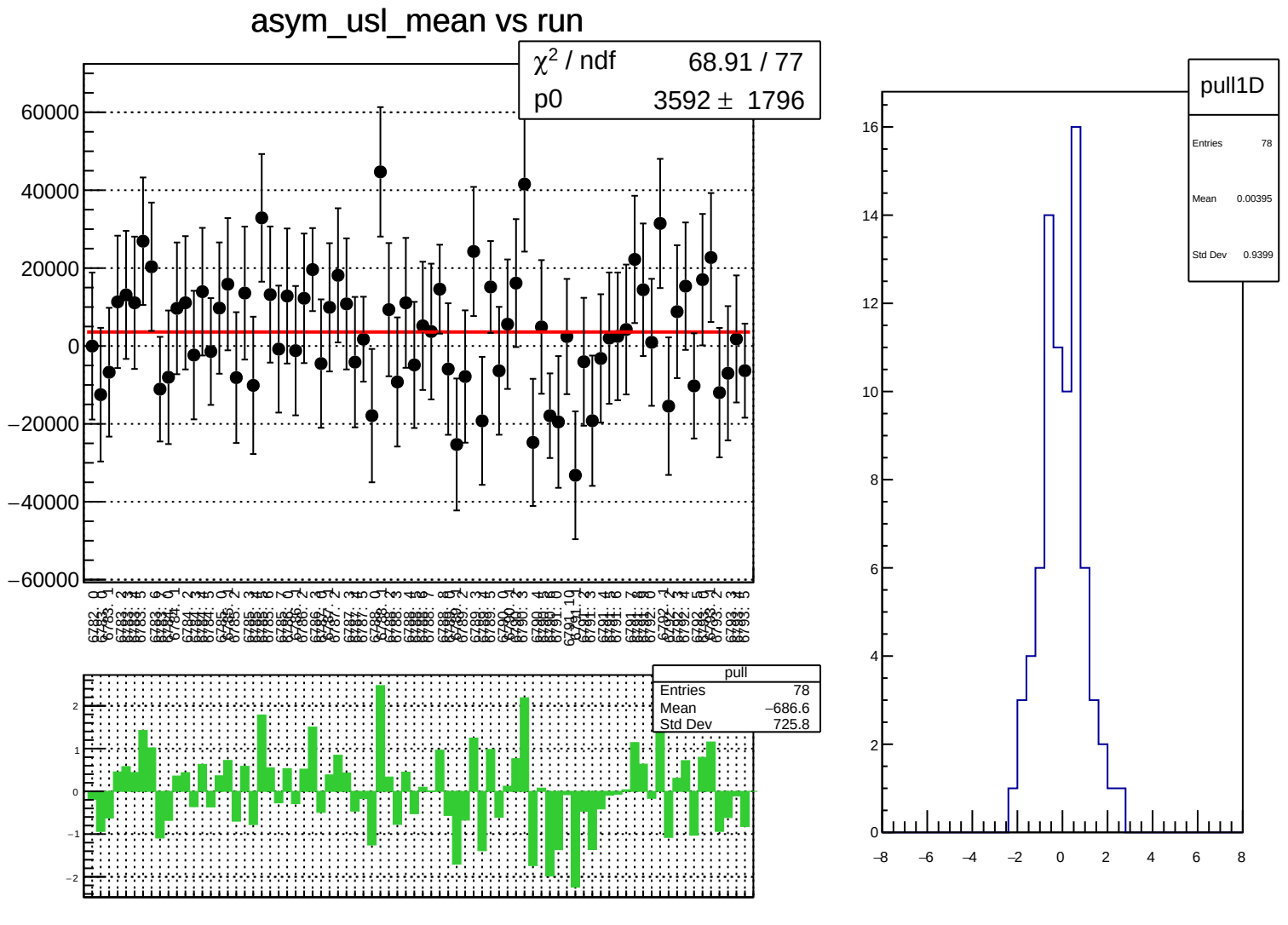
dit_asym_usl_rms vs run

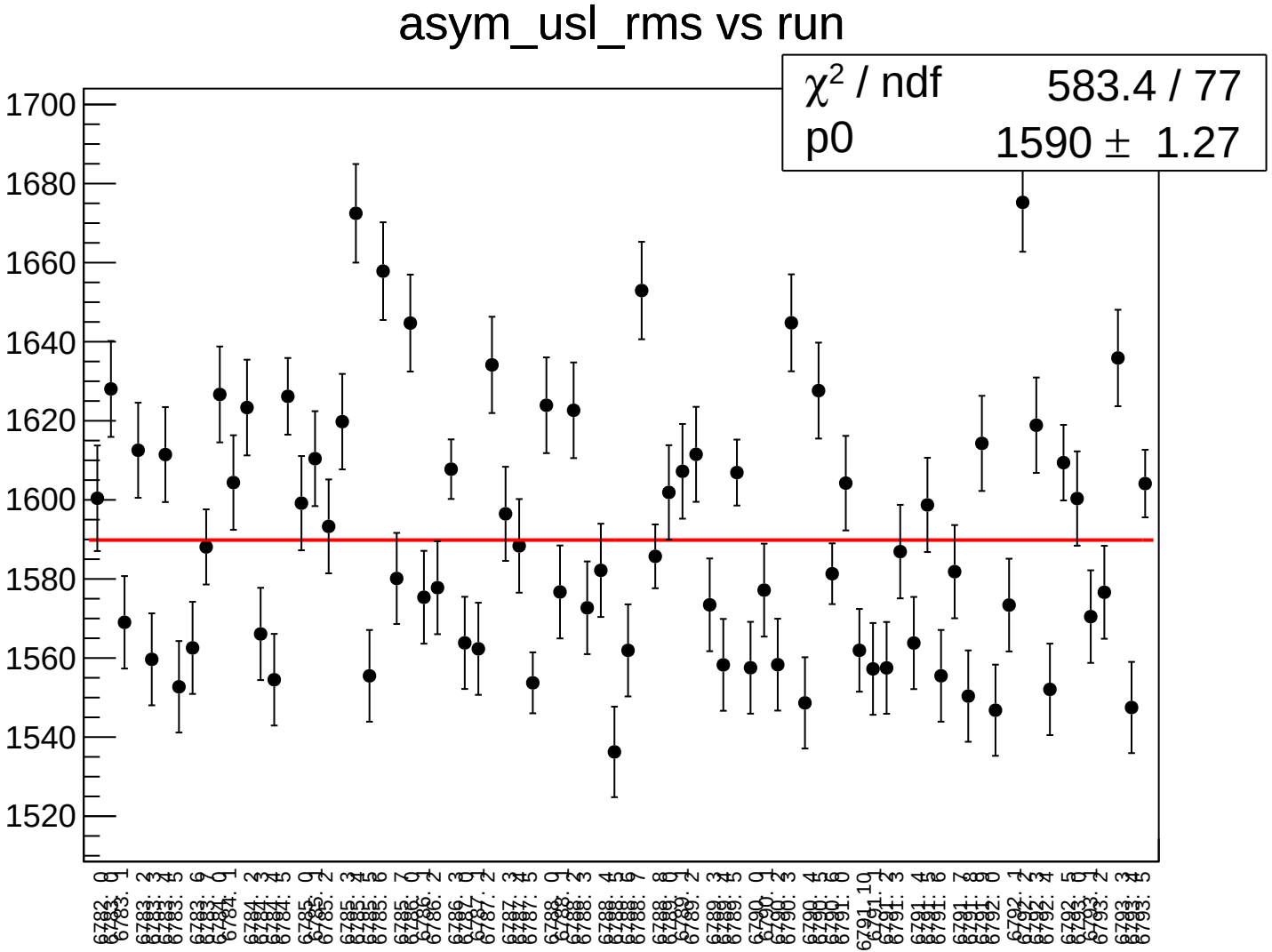


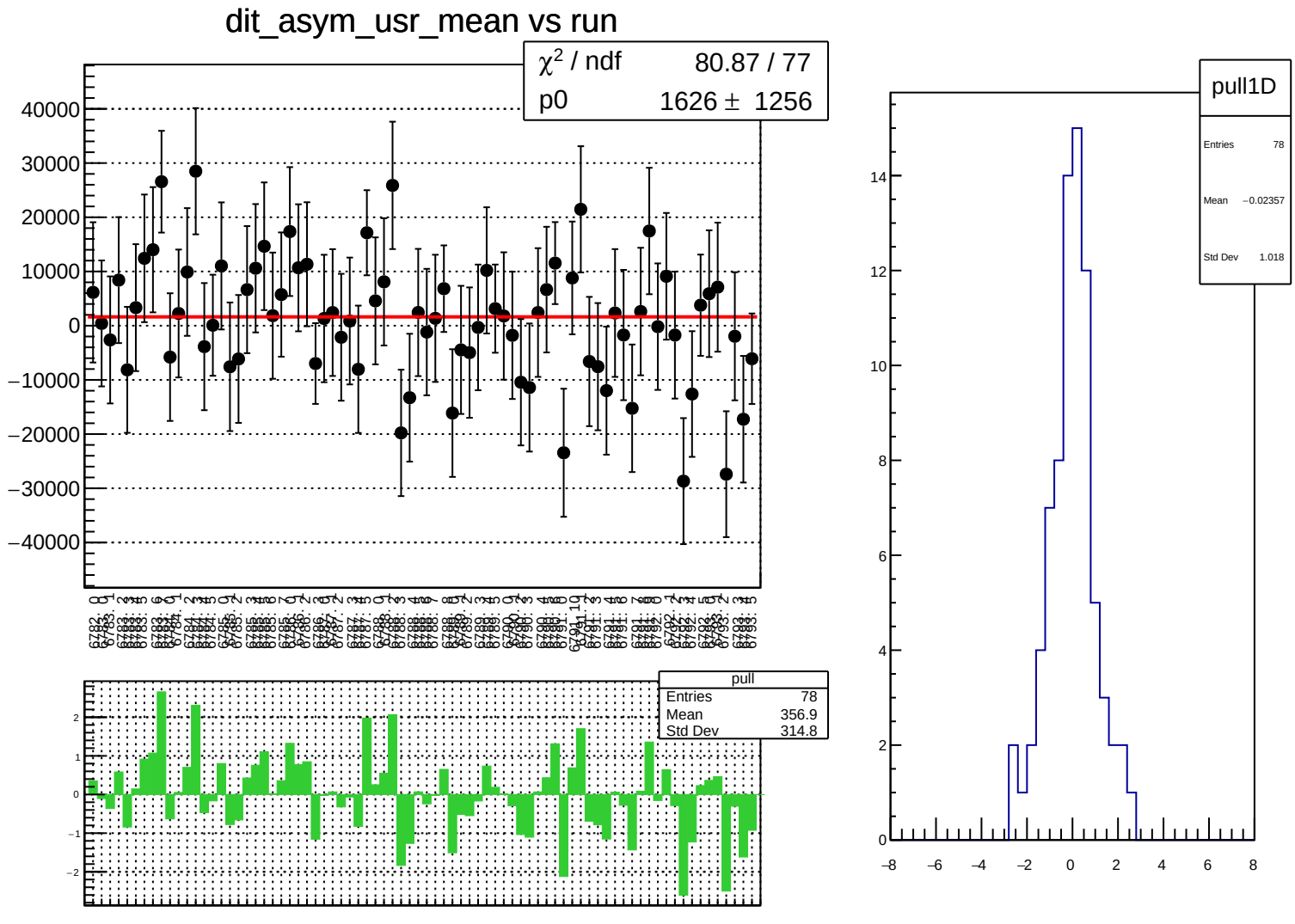

asym_usl_correction_mean vs run
χ² / ndf 72.2 / 77
p0 −2656 ± 1316
pull
Entries 78
Mean −203.5
Std Dev 239.9
pull1D
Entries 78
Mean −0.01002
Std Dev 0.962

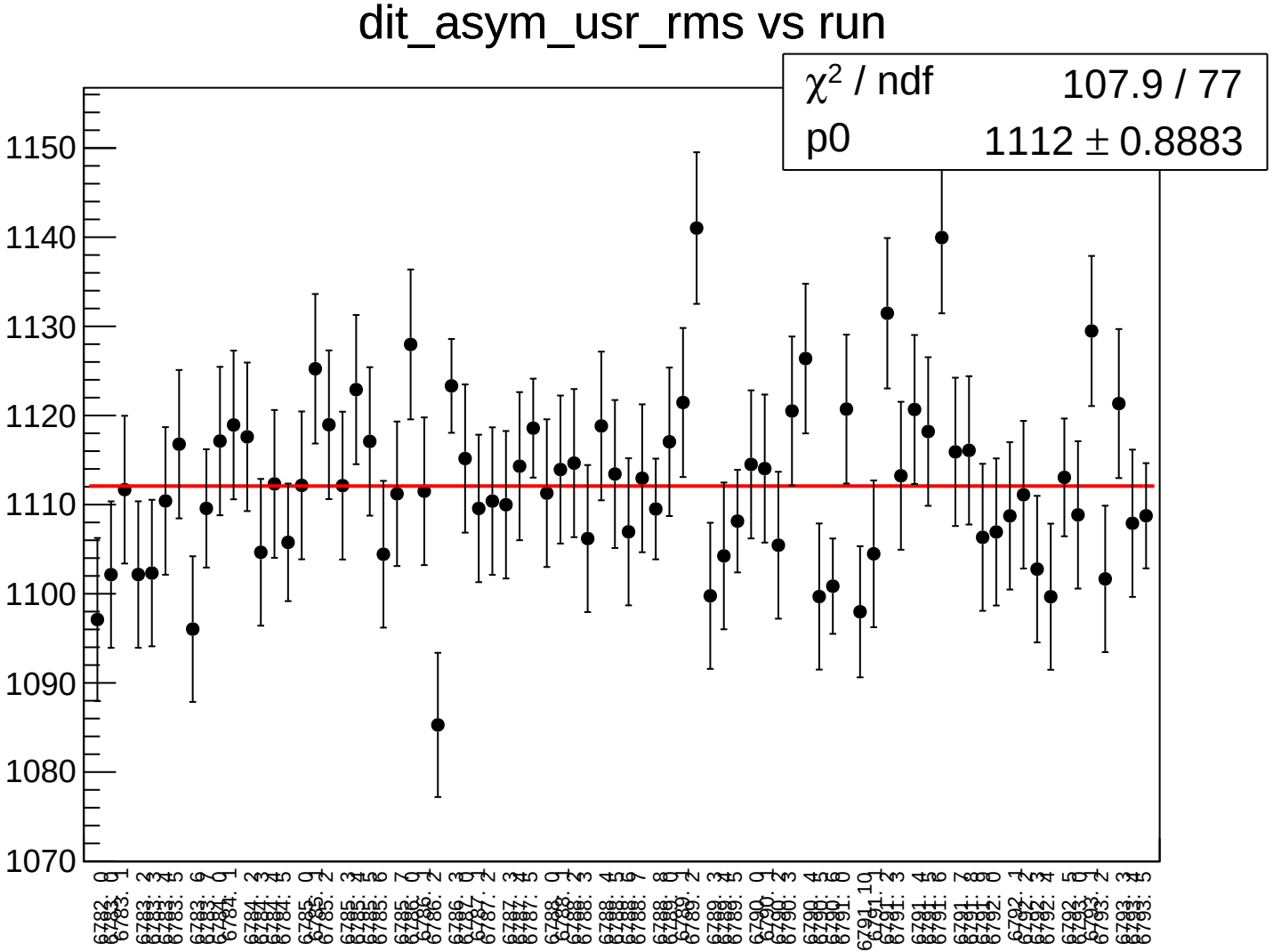
asym_usl_correction_rms vs run

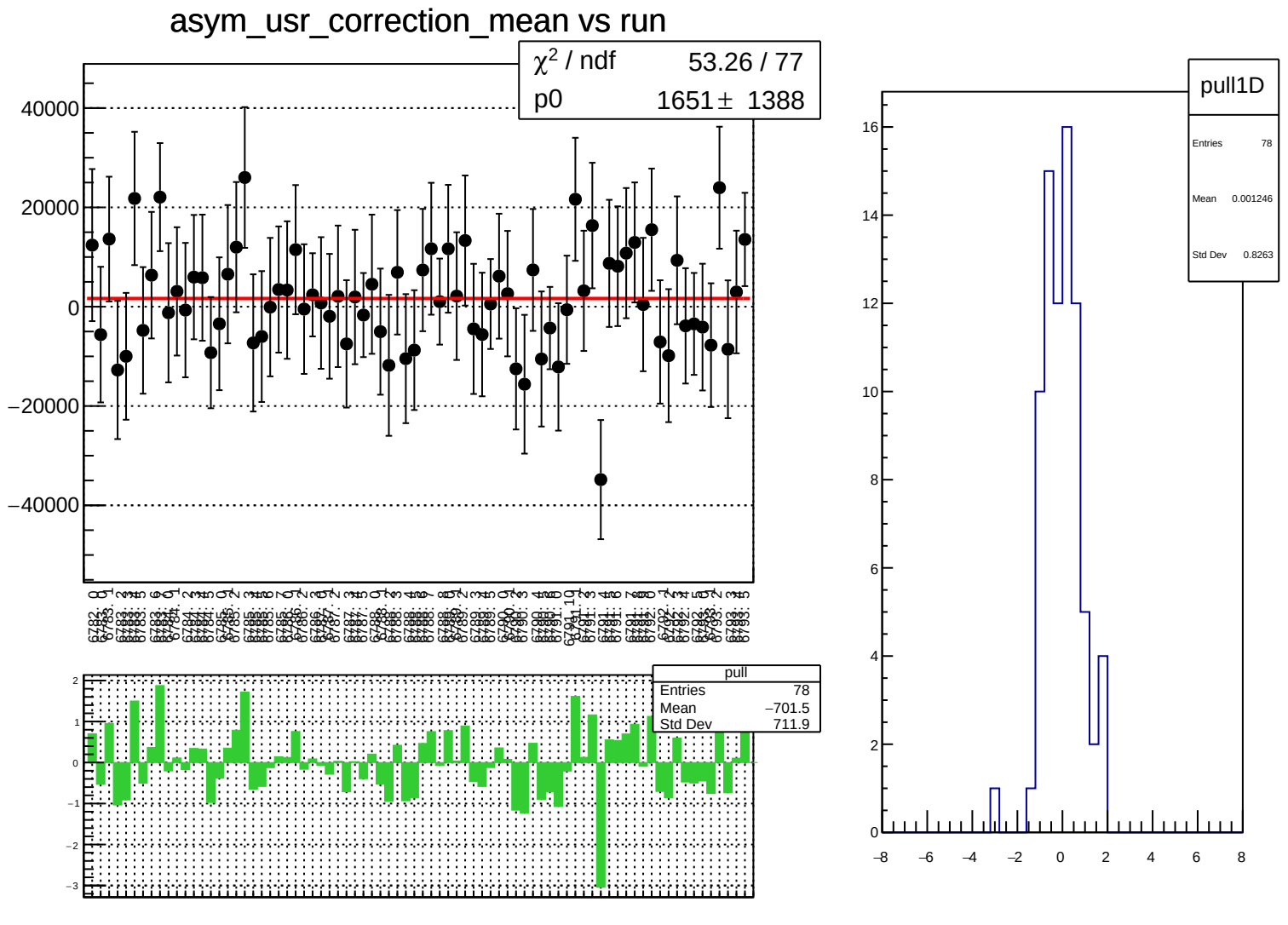


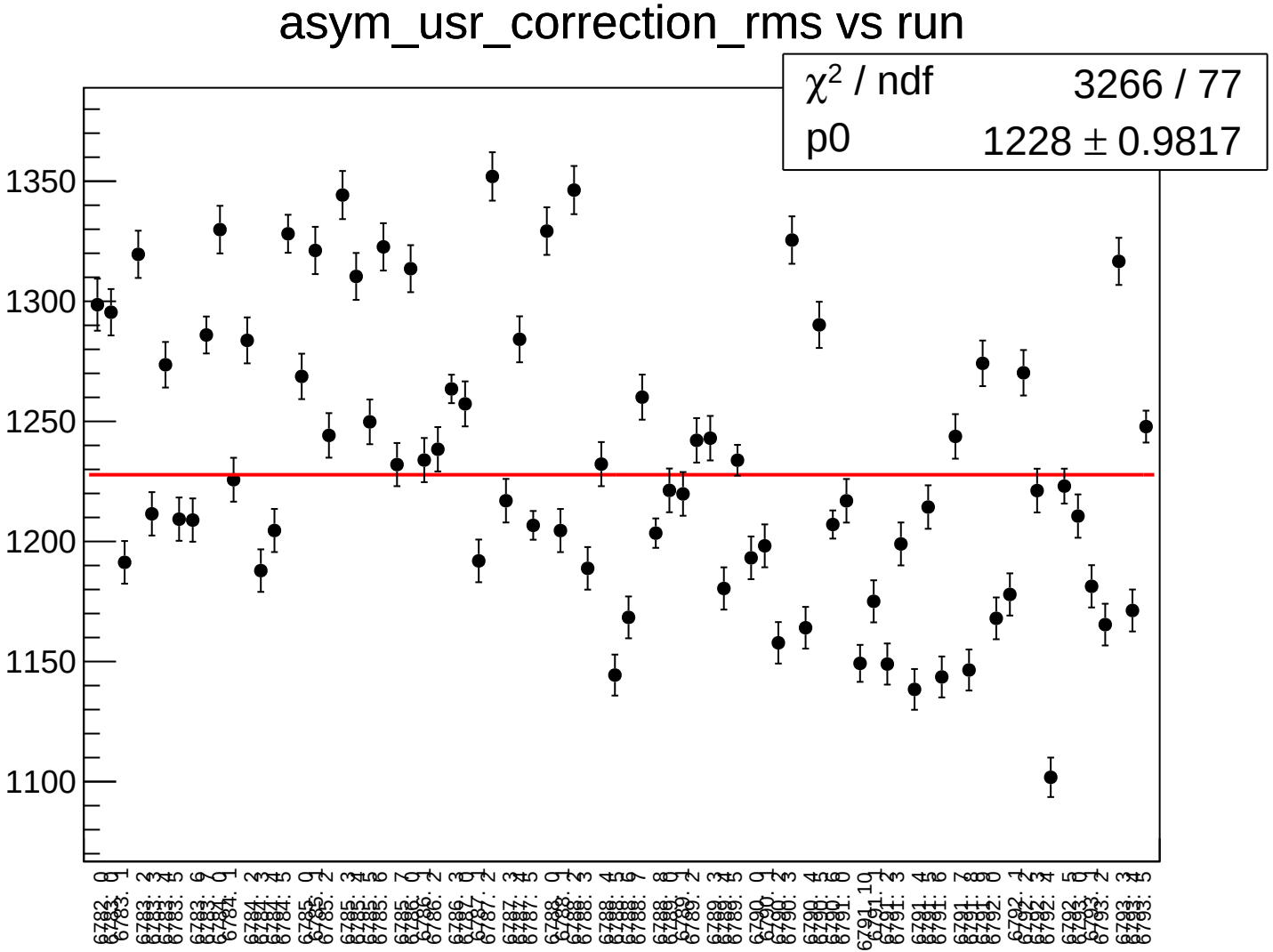

asym_usl_mean vs run
χ² / ndf 68.91 / 77
p0 3592 ± 1796
pull
Entries 78
Mean −686.6
Std Dev 725.8
pull1D
Entries 78
Mean 0.00395
Std Dev 0.9399

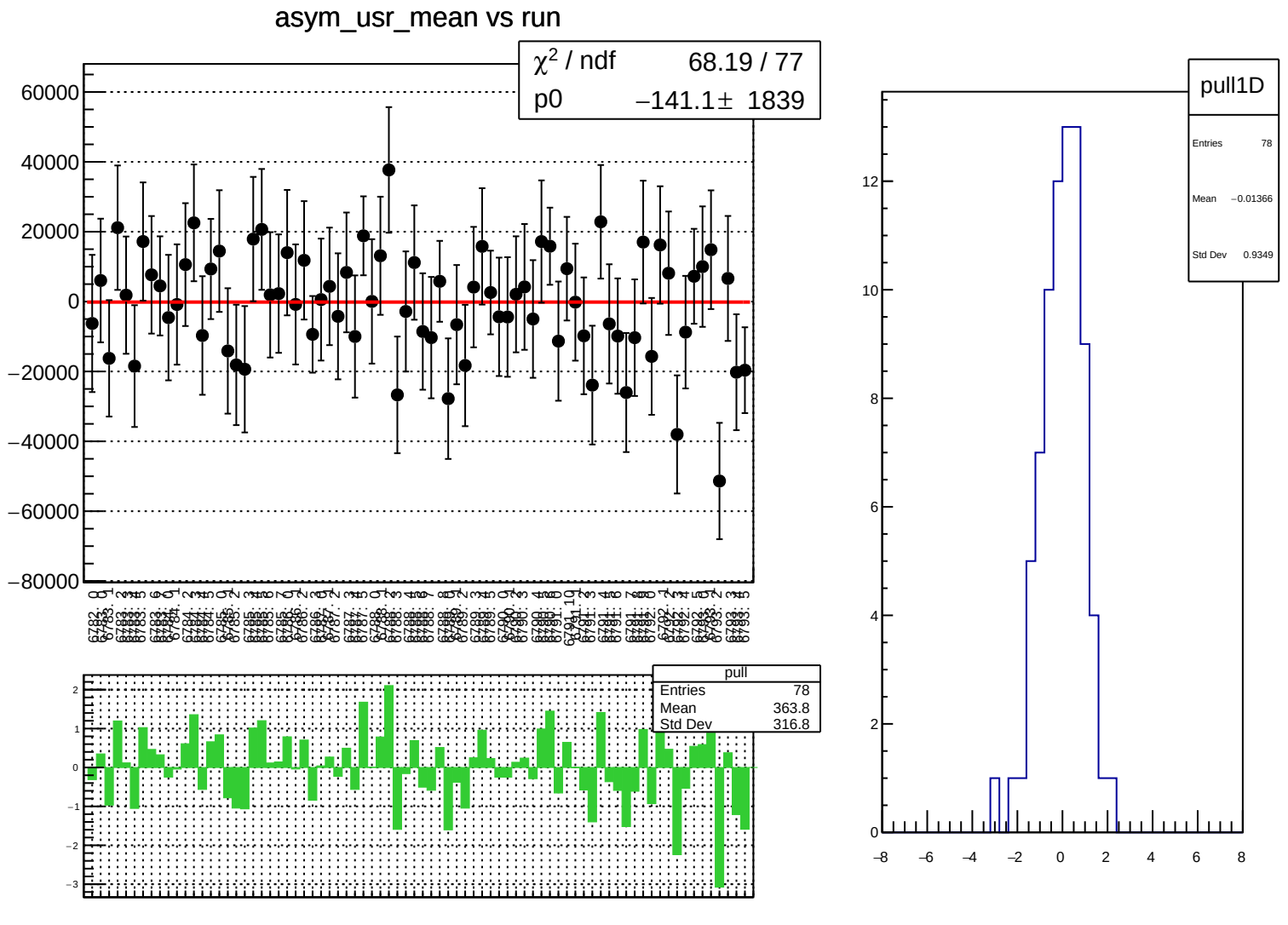

asym_usl_rms vs run
χ² / ndf 583.4 / 77
p0 1590 ± 1.27
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

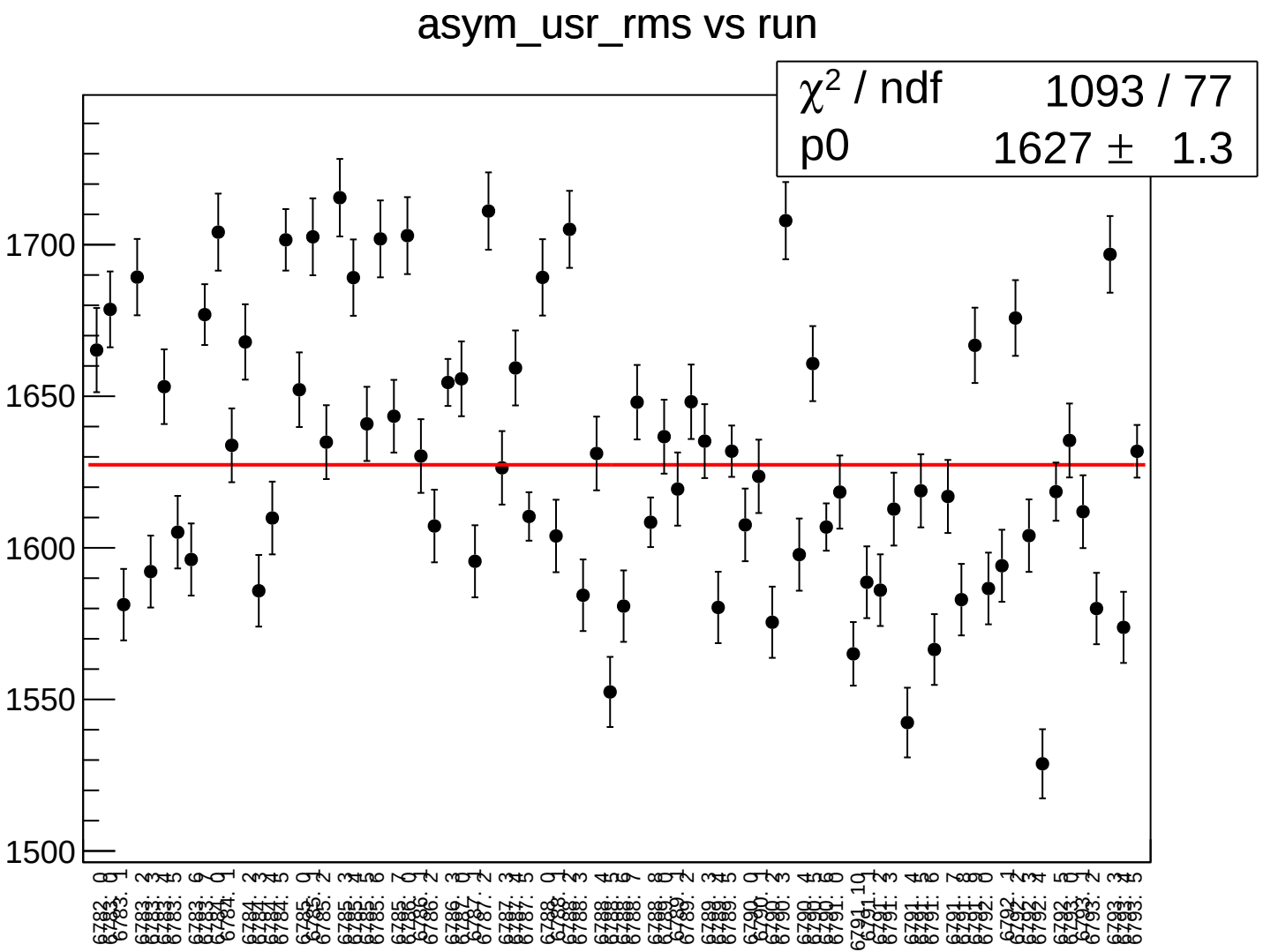

dit_asym_usr_mean vs run
χ² / ndf 80.87 / 77
p0 1626 ± 1256
pull
Entries 78
Mean 356.9
Std Dev 314.8
pull1D
Entries 78
Mean −0.02357
Std Dev 1.018

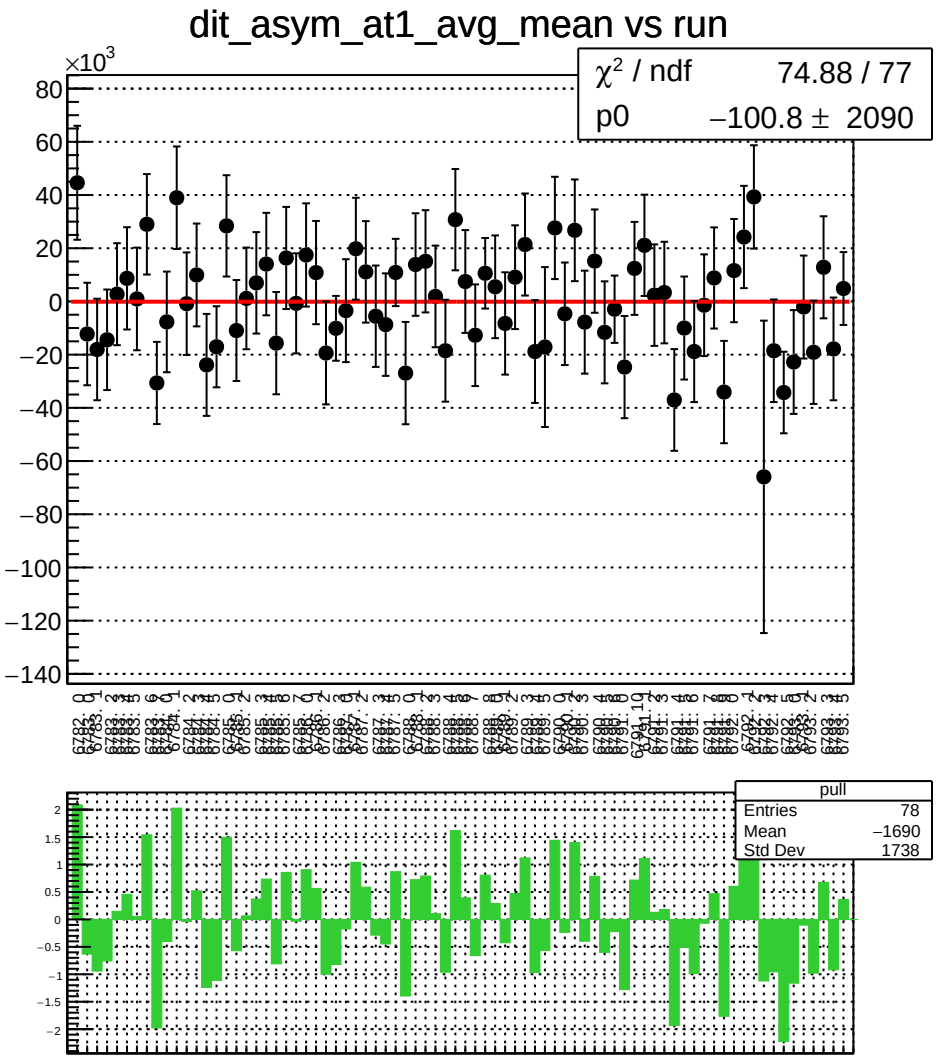

dit_asym_usr_rms vs run
χ² / ndf 107.9 / 77
p0 1112 ± 0.8883
1150
1140
1130
1120
1110
1100
1090
1080
1070

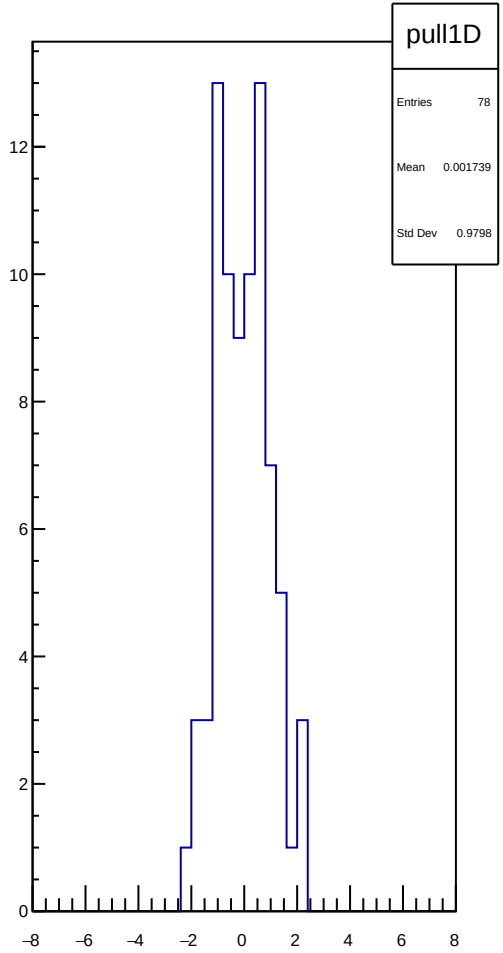

asym_usr_correction_mean vs run
χ² / ndf 53.26 / 77
p0 1651 ± 1388
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −701.5
Std Dev 711.9
pull1D
Entries 78
Mean 0.001246
Std Dev 0.8263

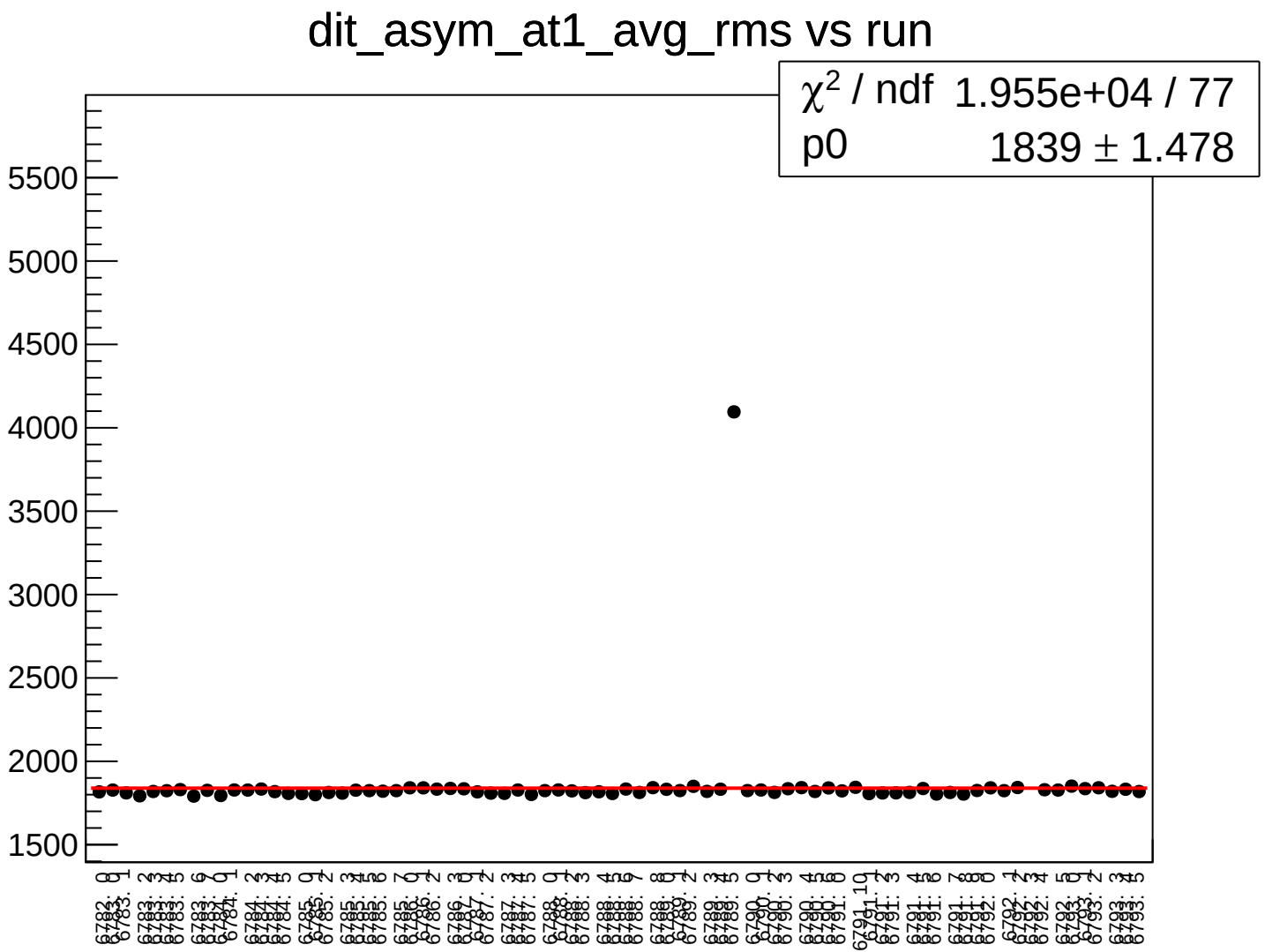

asym_usr_correction_rms vs run
χ² / ndf 3266 / 77
p0 1228 ± 0.9817
1350
1300
1250
1200
1150
1100

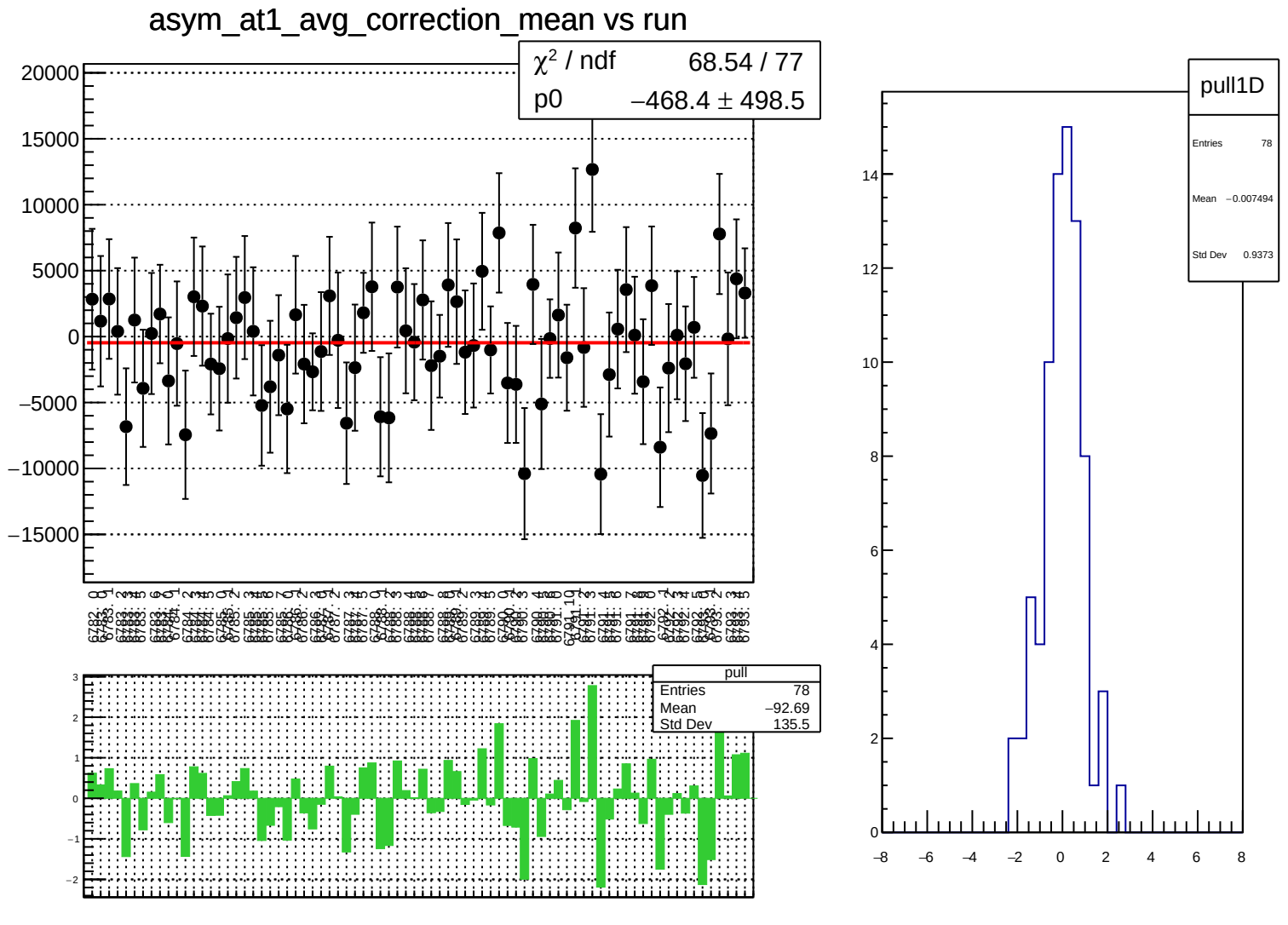

asym_usr_mean vs run
χ² / ndf 68.19 / 77
p0 −141.1± 1839
pull
Entries 78
Mean 363.8
Std Dev 316.8
pull1D
Entries 78
Mean −0.01366
Std Dev 0.9349


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

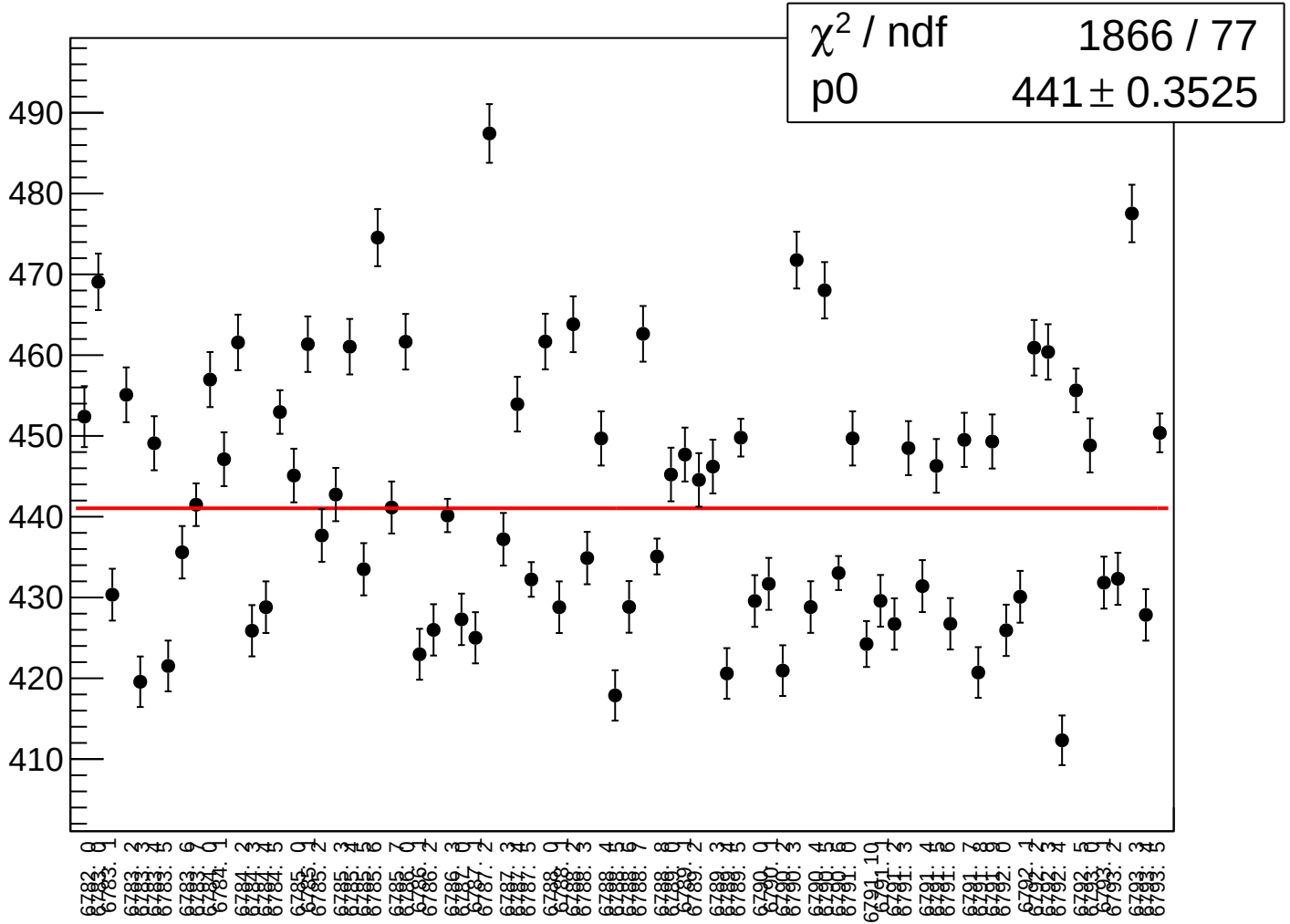

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 74.88 / 77
p0 −100.8 ± 2090
pull
Entries 78
Mean −1690
Std Dev 1738

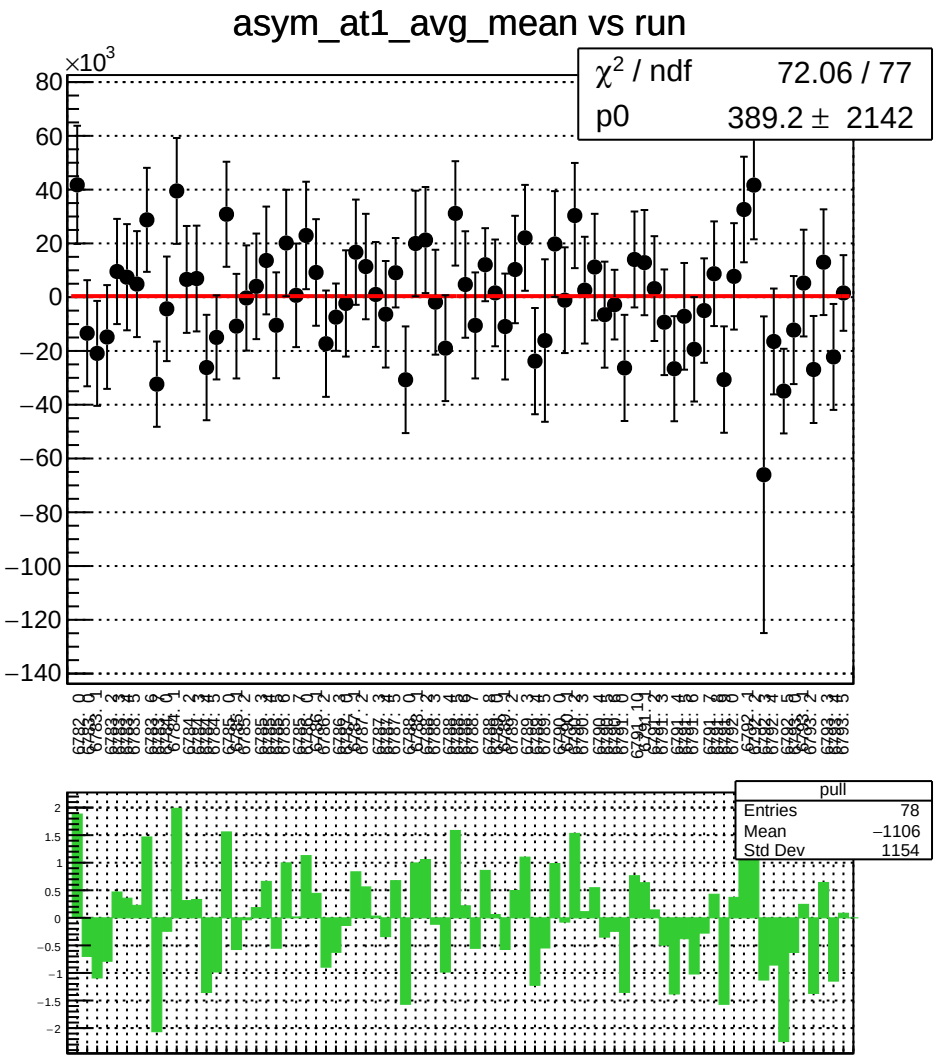

pull1D
Entries 78
Mean 0.001739
Std Dev 0.9798

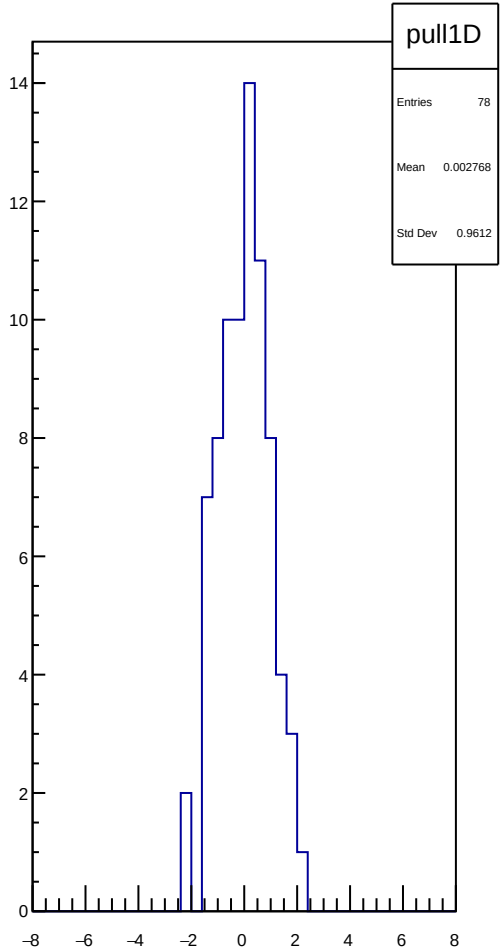

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.955e+04 / 77
p0 1839 ± 1.478
5500
5000
4500
4000
3500
3000
2500
2000
1500

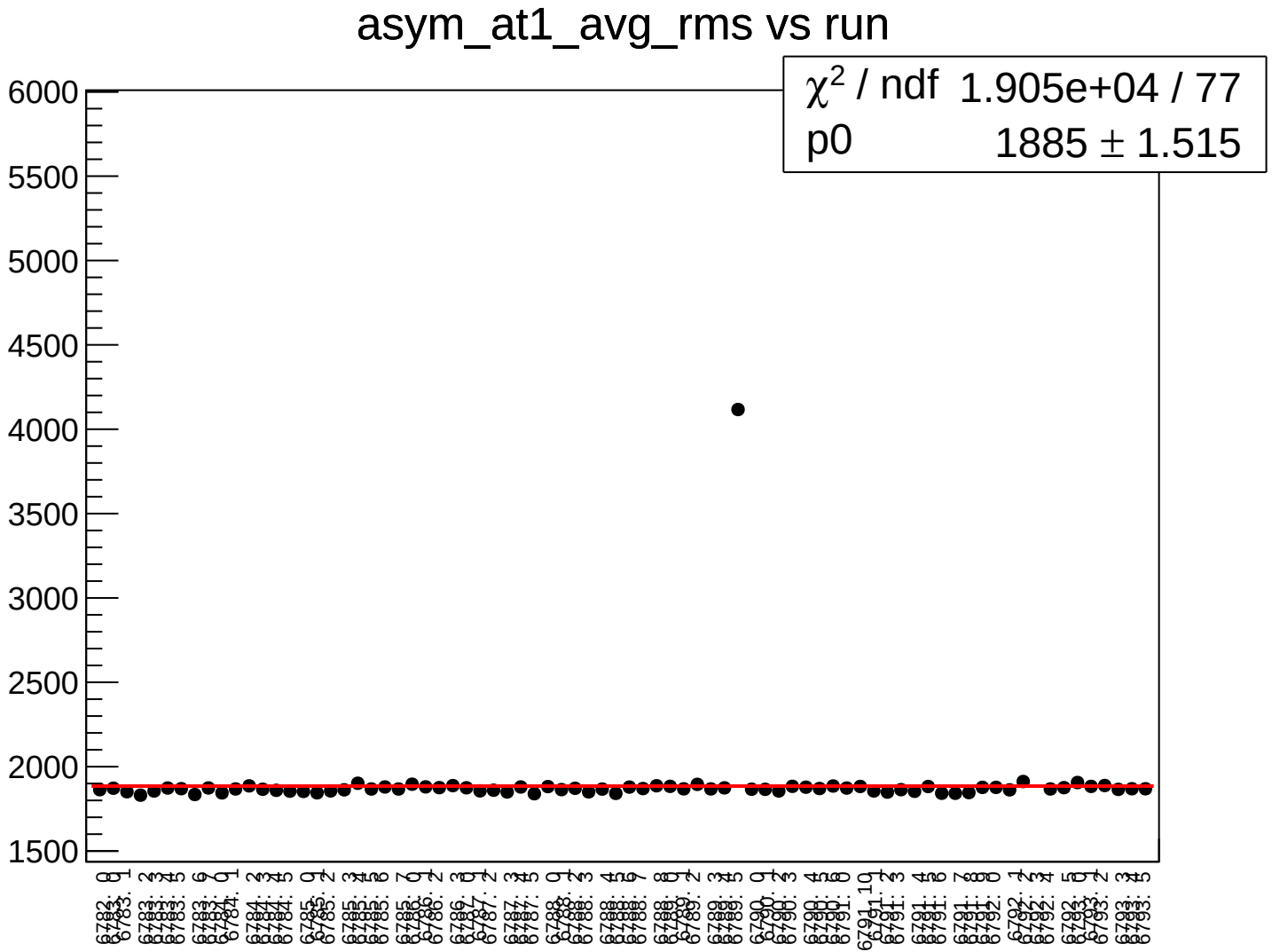

asym_at1_avg_correction_mean vs run
χ² / ndf 68.54 / 77
p0 −468.4 ± 498.5
pull
Entries 78
Mean −92.69
Std Dev 135.5
pull1D
Entries 78
Mean −0.007494
Std Dev 0.9373

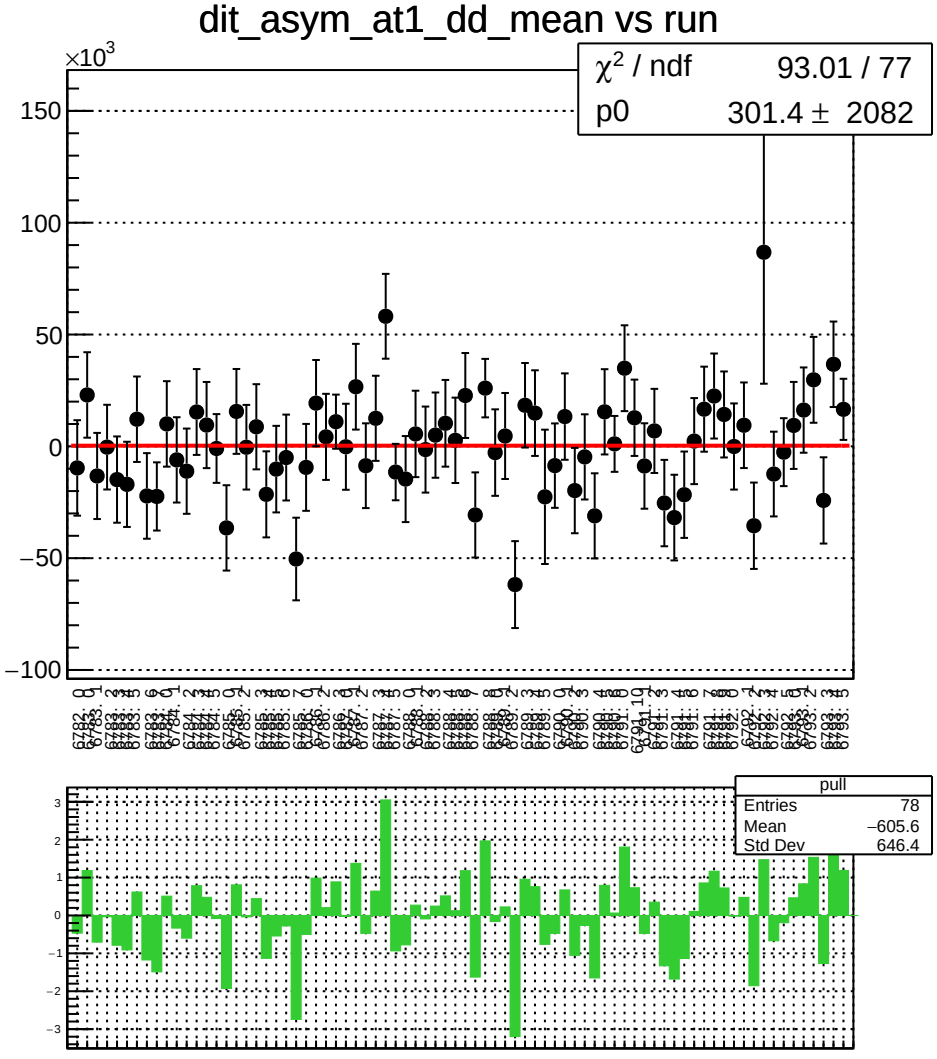
asym_at1_avg_correction_rms vs run

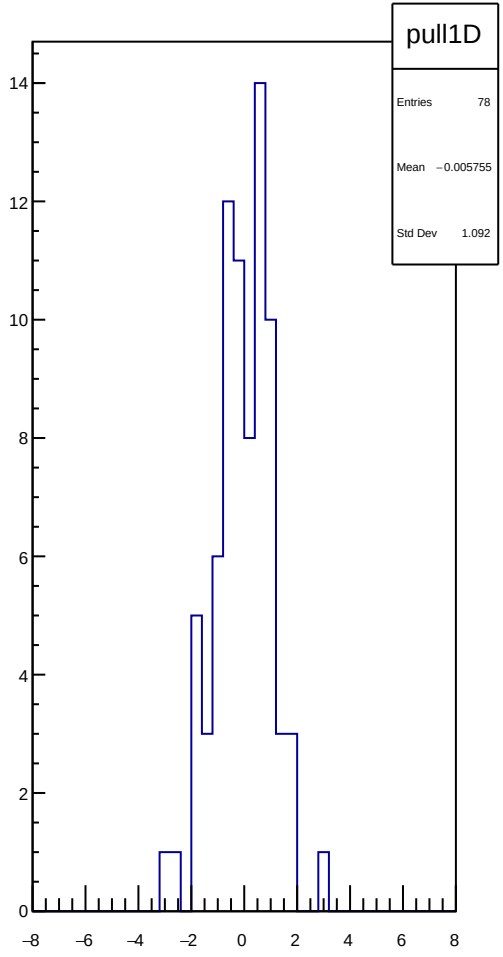


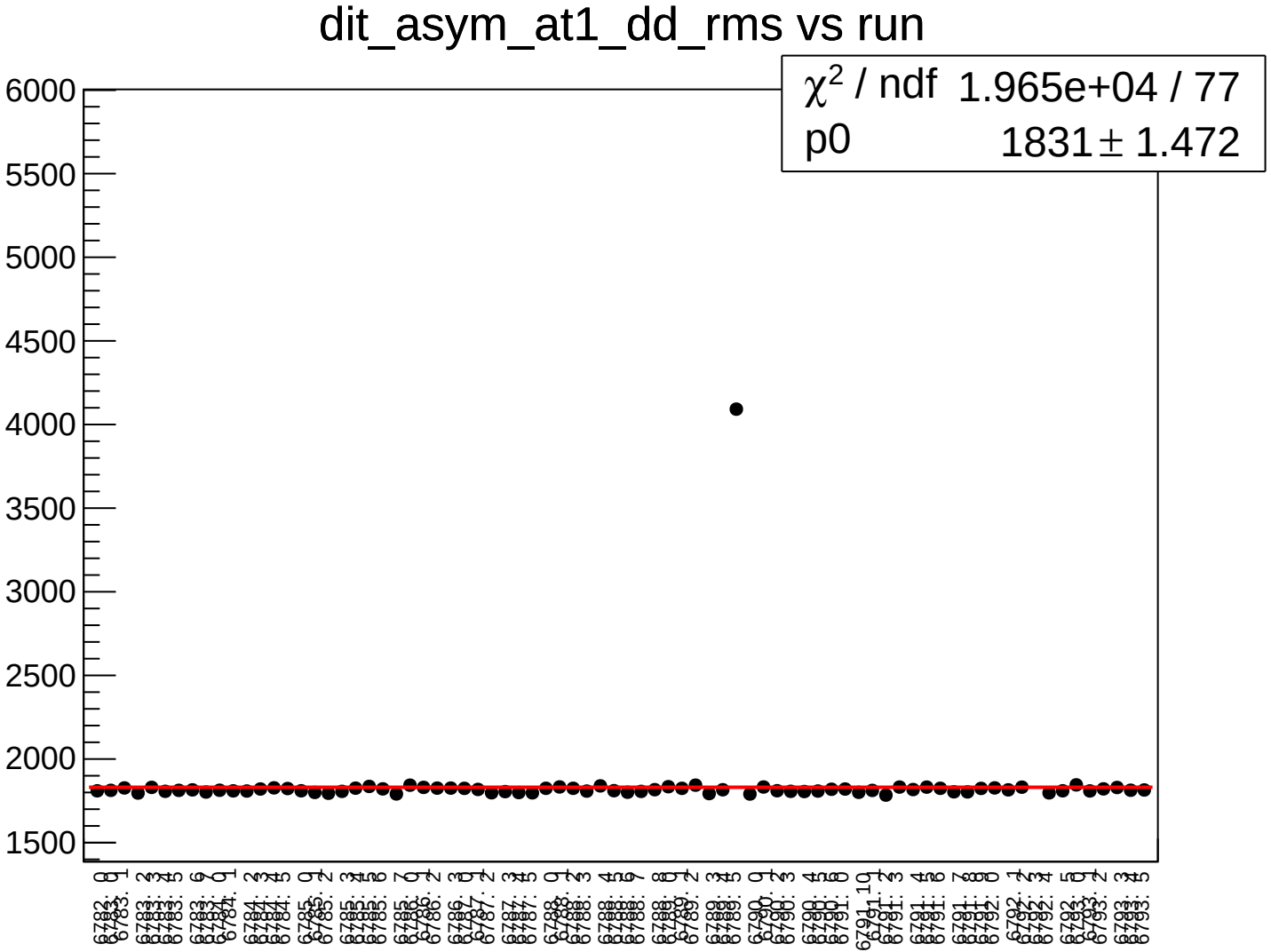

asym_at1_avg_mean vs run
χ^2 / ndf 72.06 / 77
p0 389.2 ± 2142
×10^3
pull
Entries 78
Mean −1106
Std Dev 1154

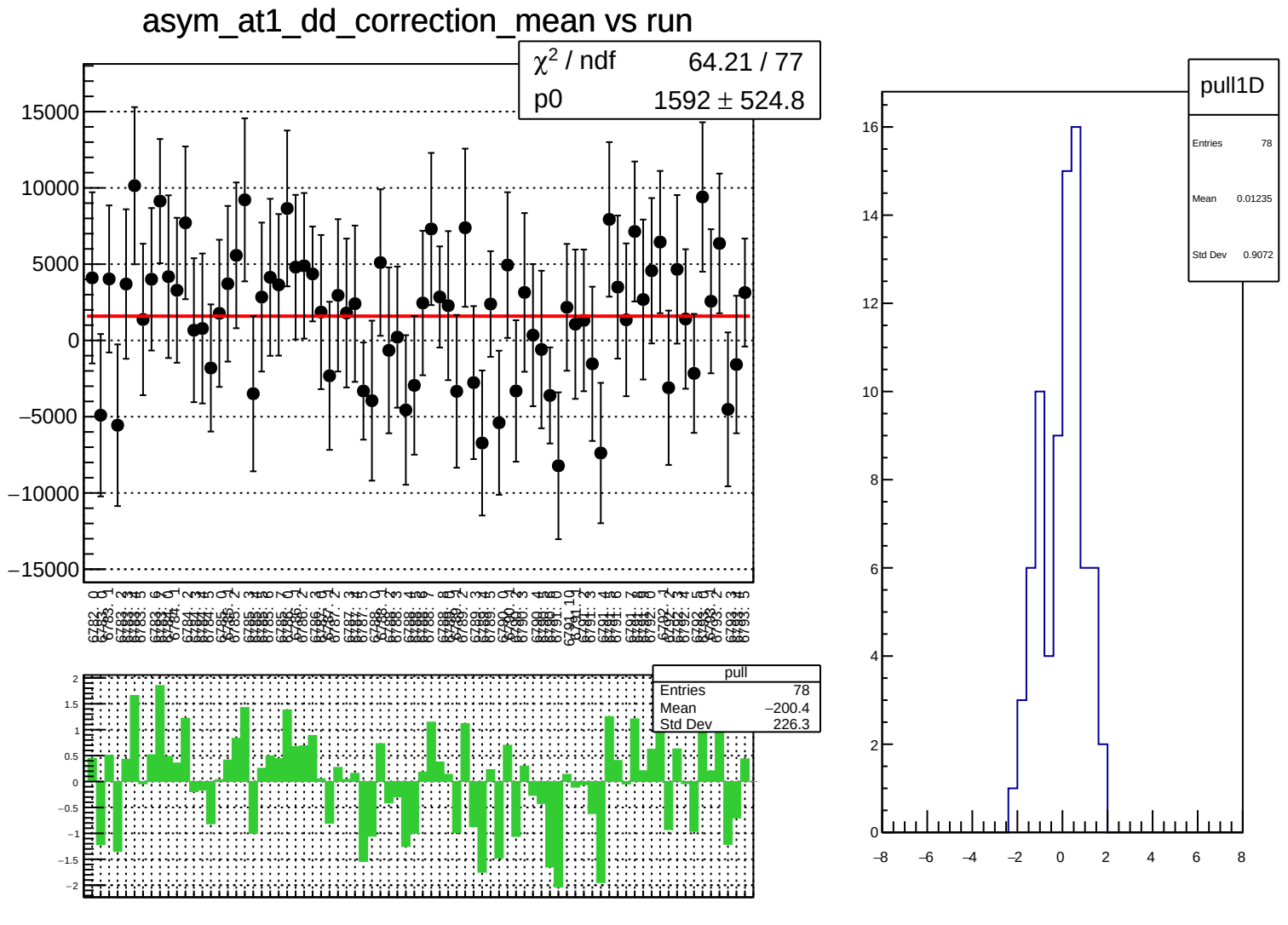

pull1D
Entries 78
Mean 0.002768
Std Dev 0.9612


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

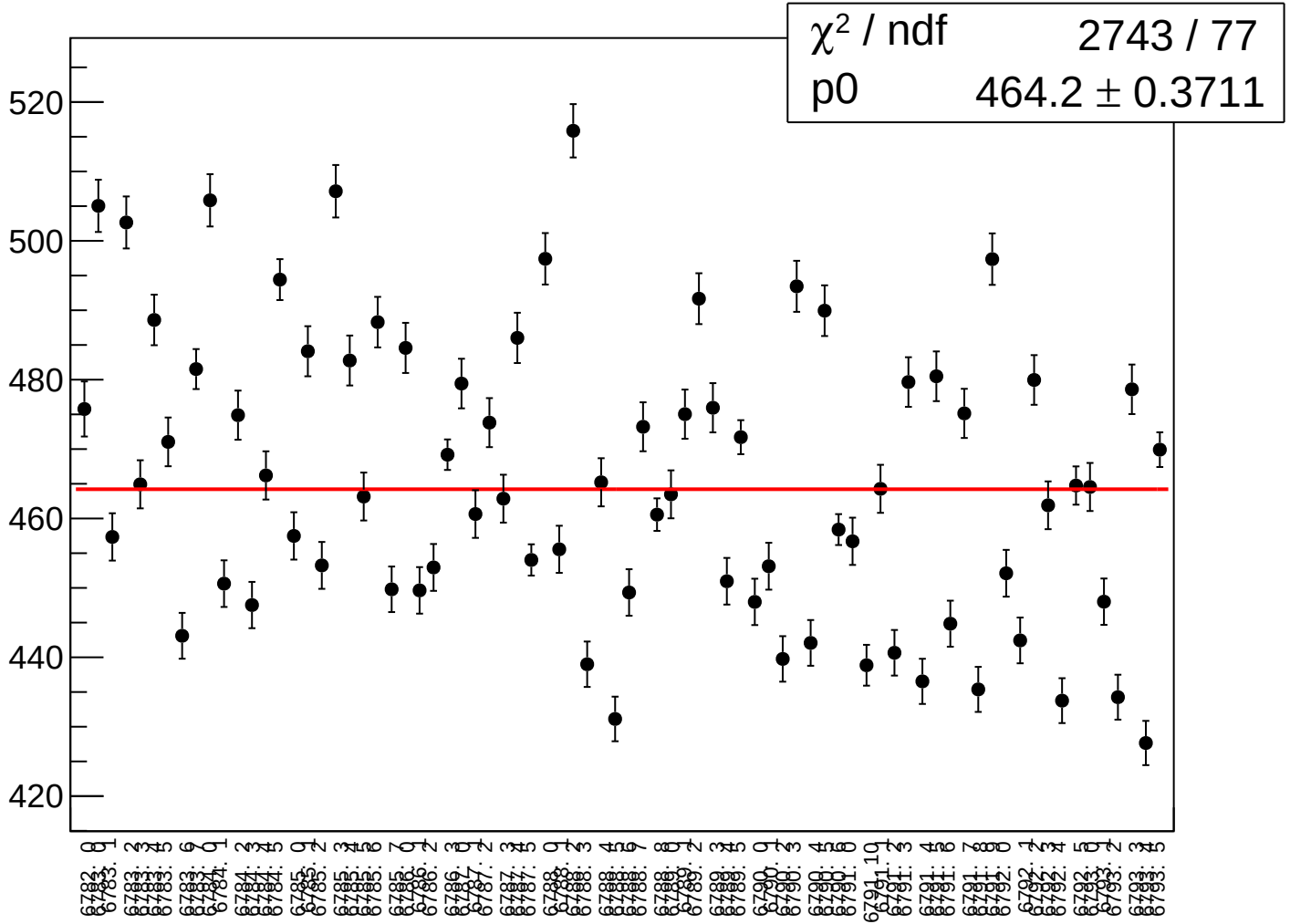

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 93.01 / 77
p0 301.4 ± 2082
pull
Entries 78
Mean −605.6
Std Dev 646.4

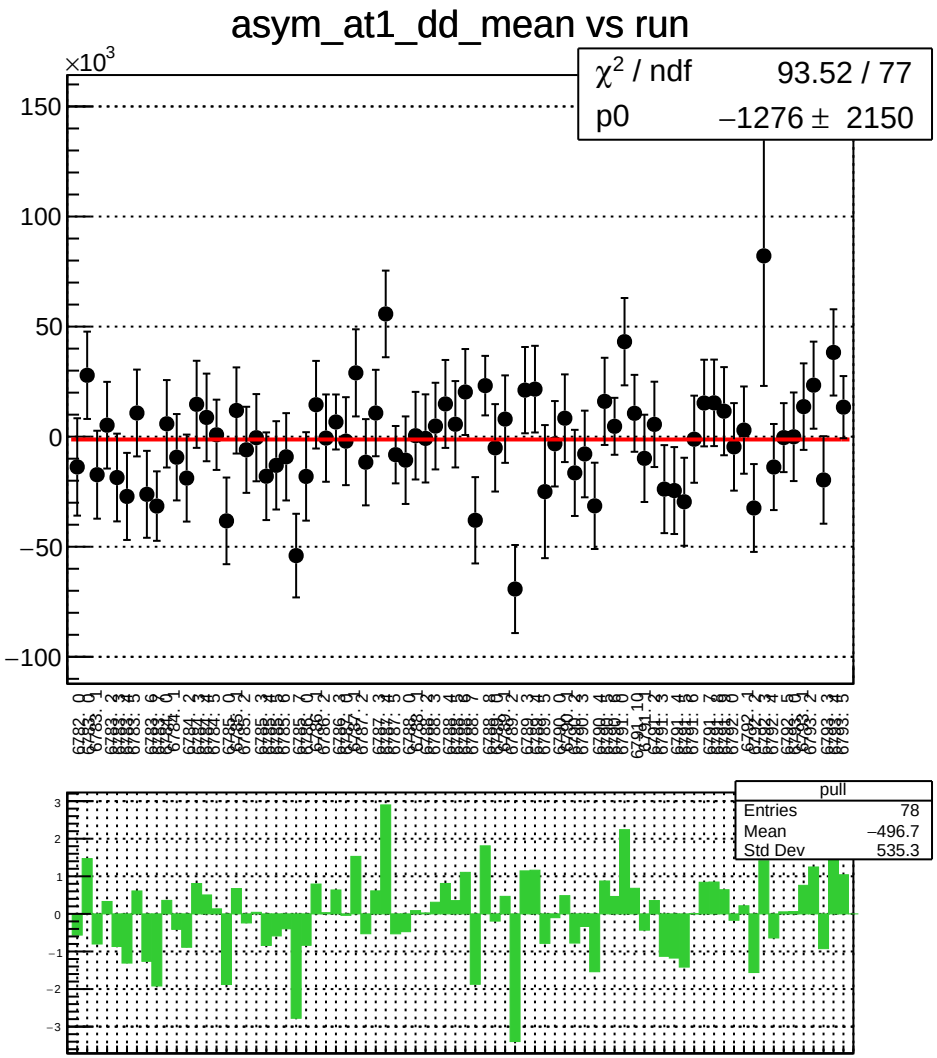

pull1D
Entries 78
Mean −0.005755
Std Dev 1.092

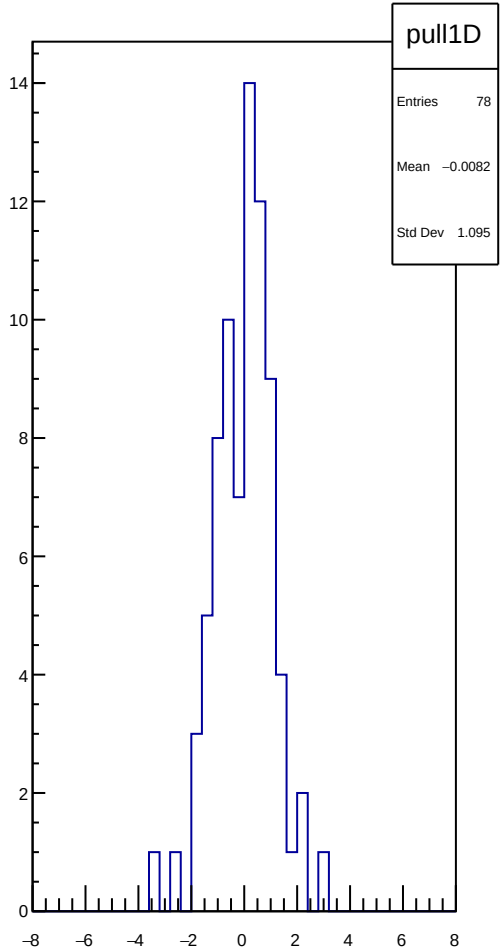

dit_asym_at1_dd_rms vs run
χ2 / ndf 1.965e+04 / 77
p0 1831 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500


asym_at1_dd_correction_mean vs run
χ² / ndf 64.21 / 77
p0 1592 ± 524.8
pull
Entries 78
Mean −200.4
Std Dev 226.3
pull1D
Entries 78
Mean 0.01235
Std Dev 0.9072

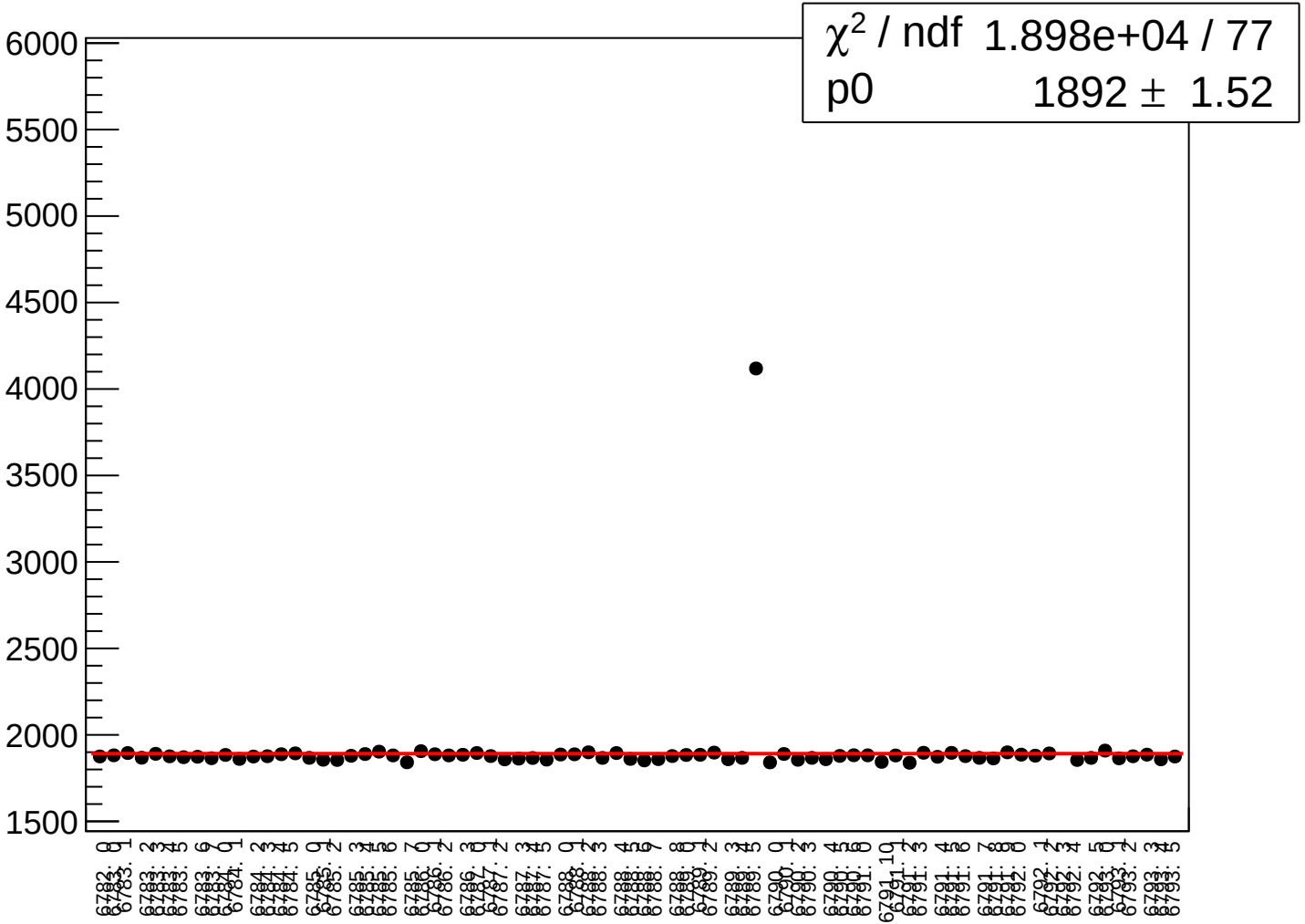
asym_at1_dd_correction_rms vs run

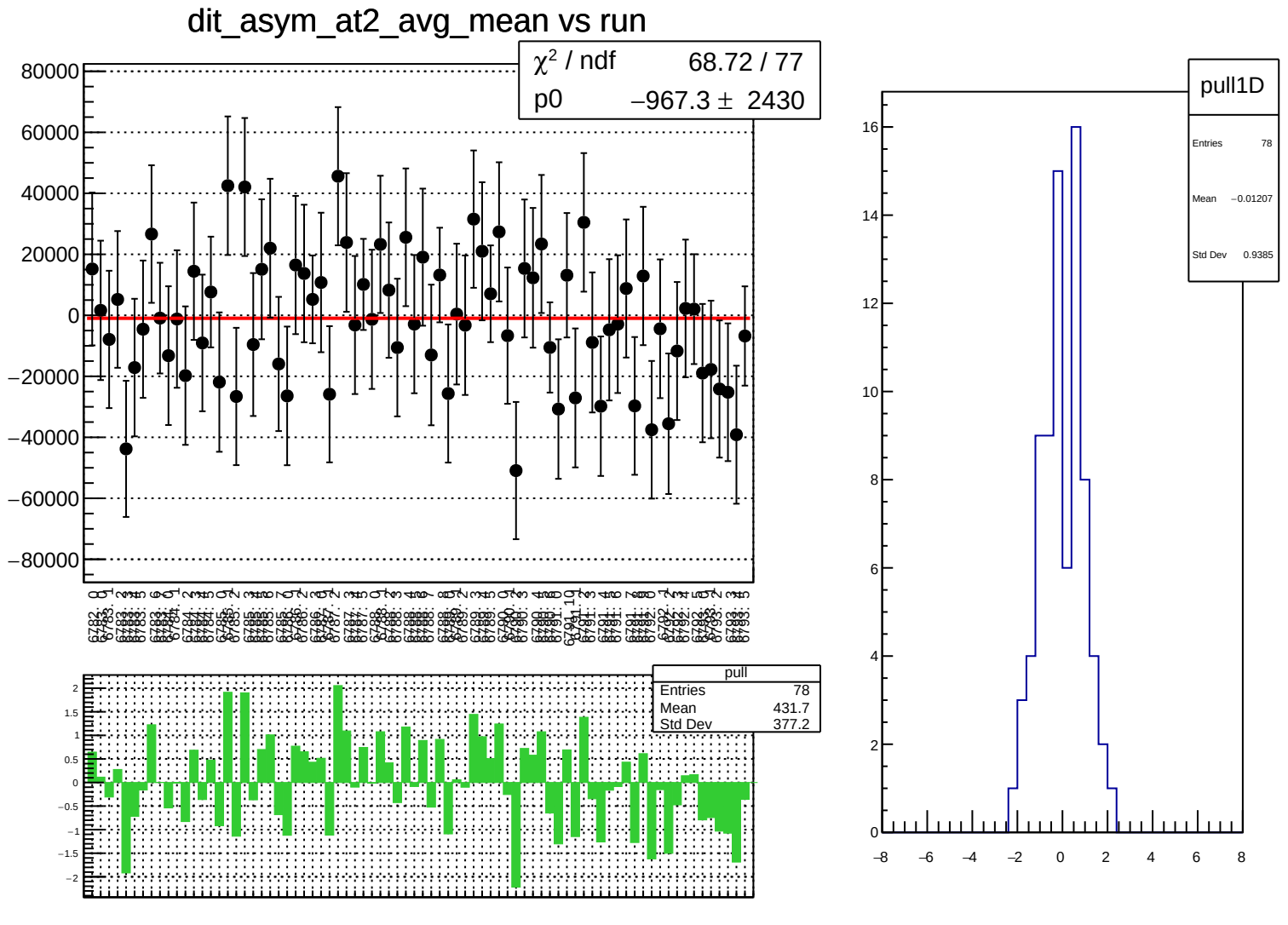


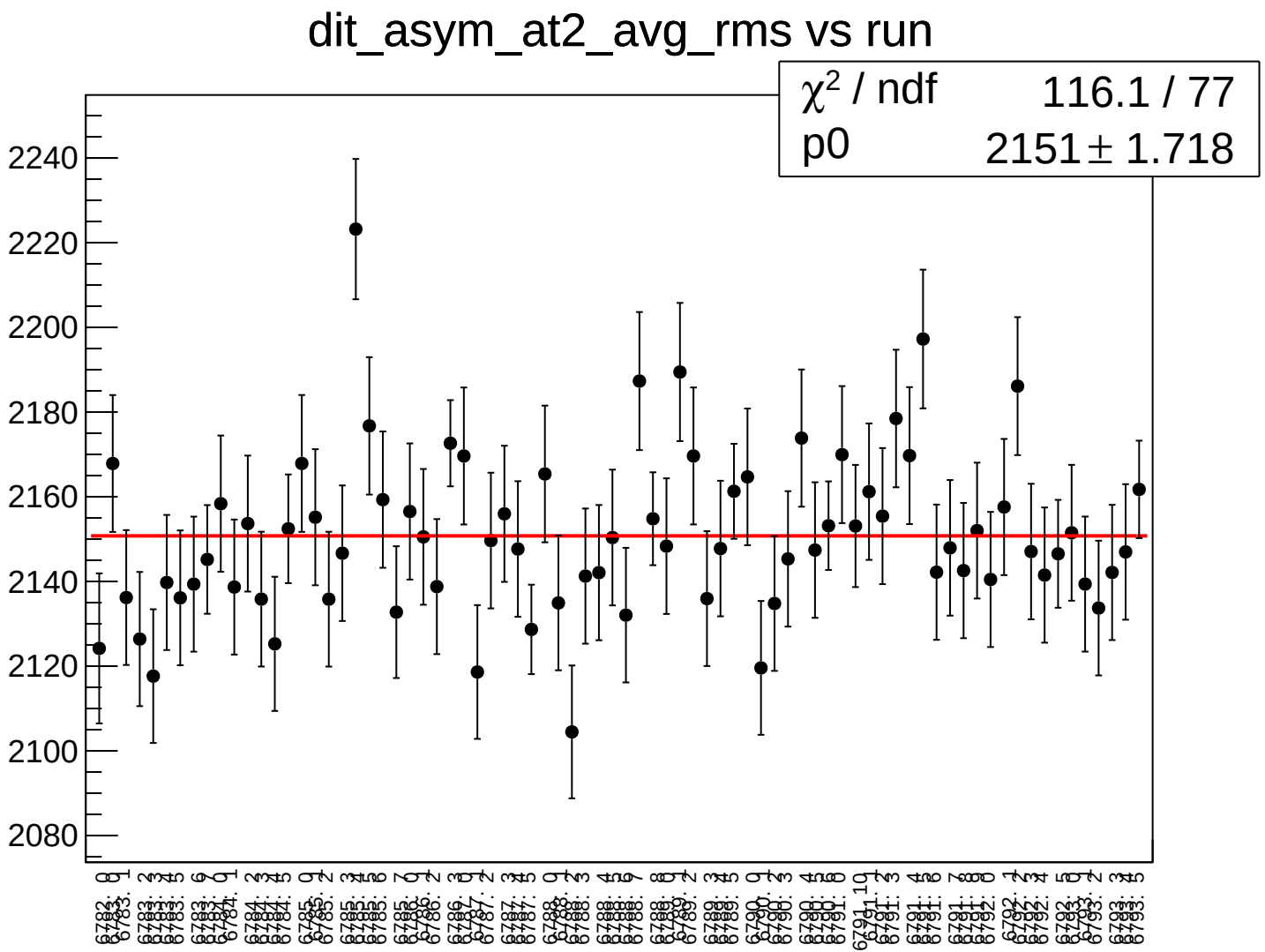

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 93.52 / 77
p0 −1276 ± 2150
pull
Entries 78
Mean −496.7
Std Dev 535.3

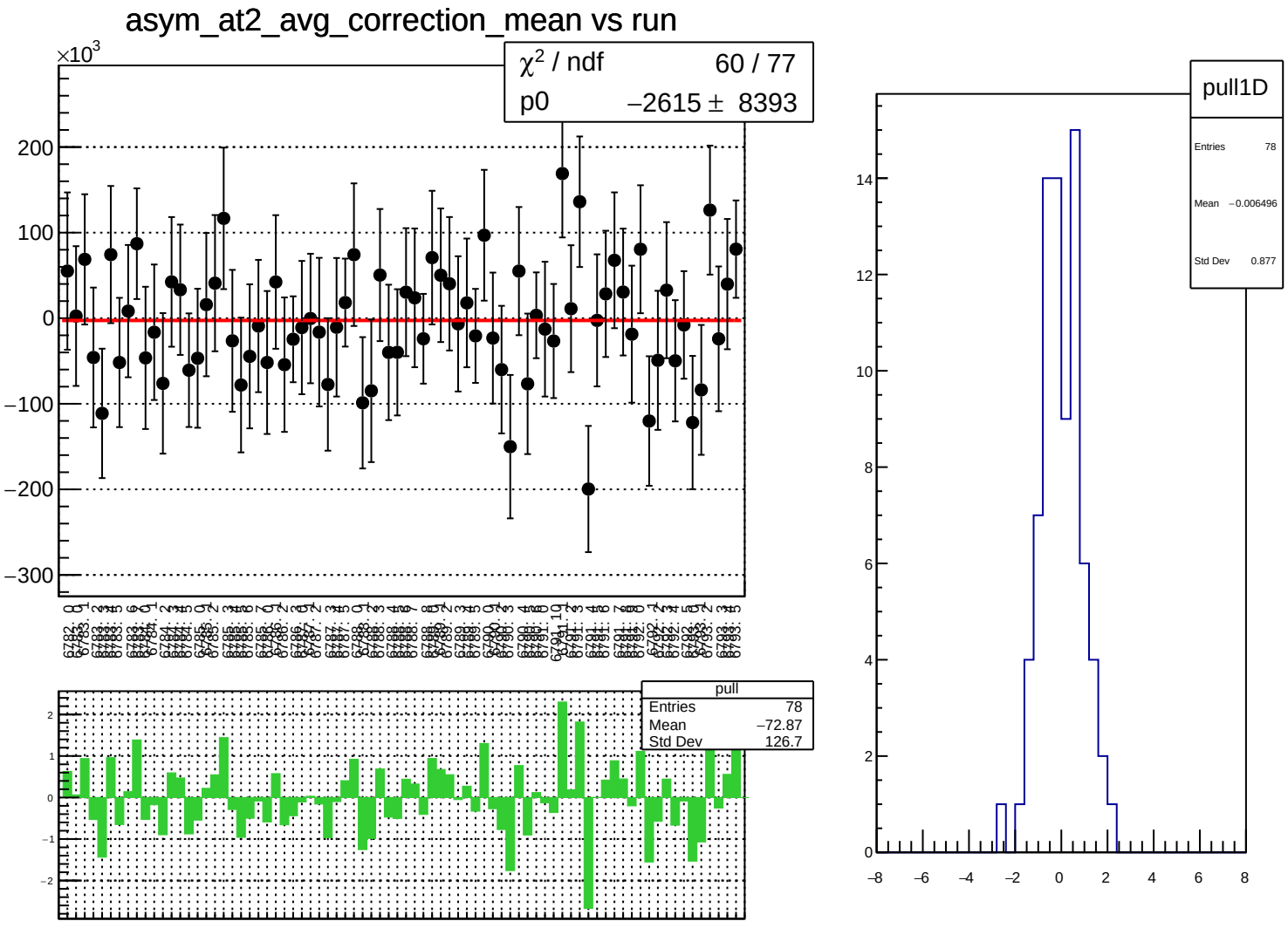

pull1D
Entries 78
Mean −0.0082
Std Dev 1.095

asym_at1_dd_rms vs run

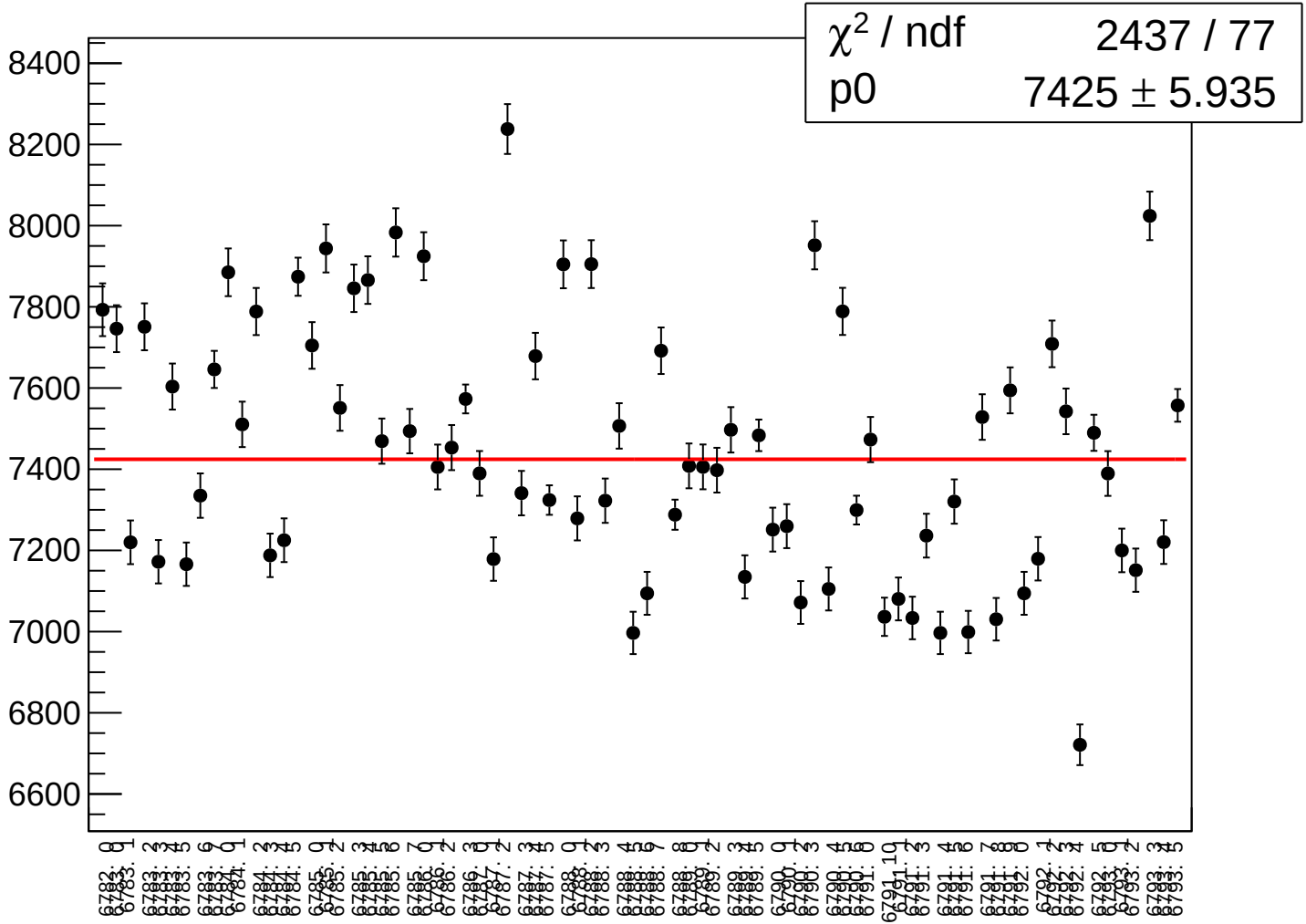


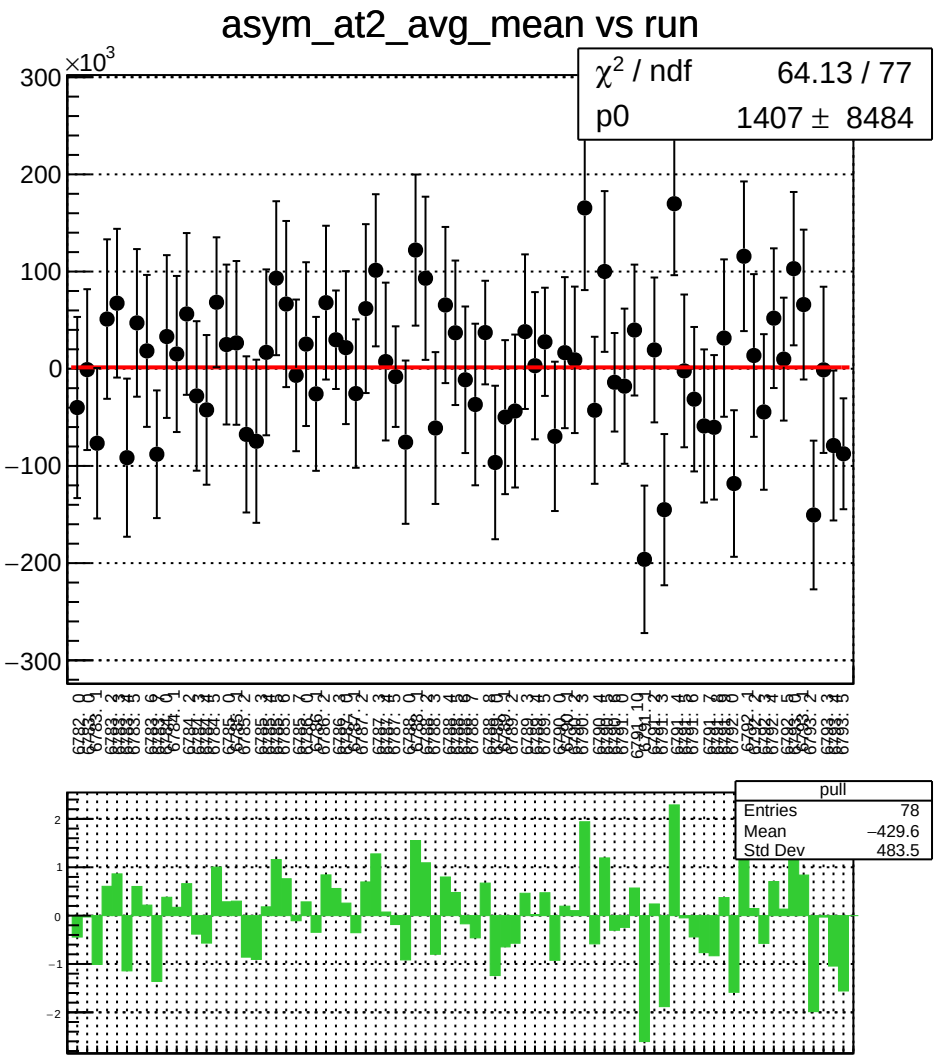

dit_asym_at2_avg_mean vs run
χ² / ndf 68.72 / 77
p0 −967.3 ± 2430
pull
Entries 78
Mean 431.7
Std Dev 377.2
pull1D
Entries 78
Mean −0.01207
Std Dev 0.9385

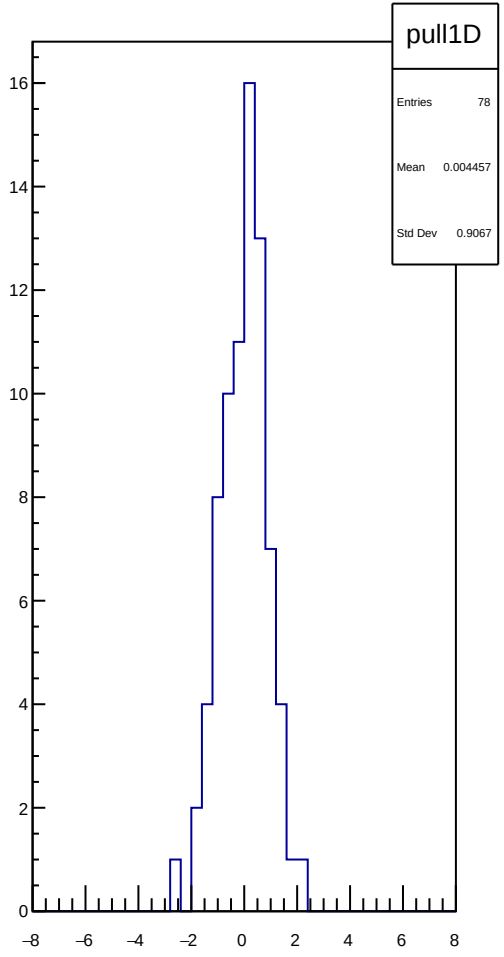

dit_asym_at2_avg_rms vs run
χ2 / ndf 116.1 / 77
p0 2151 ± 1.718
2240
2220
2200
2180
2160
2140
2120
2100
2080

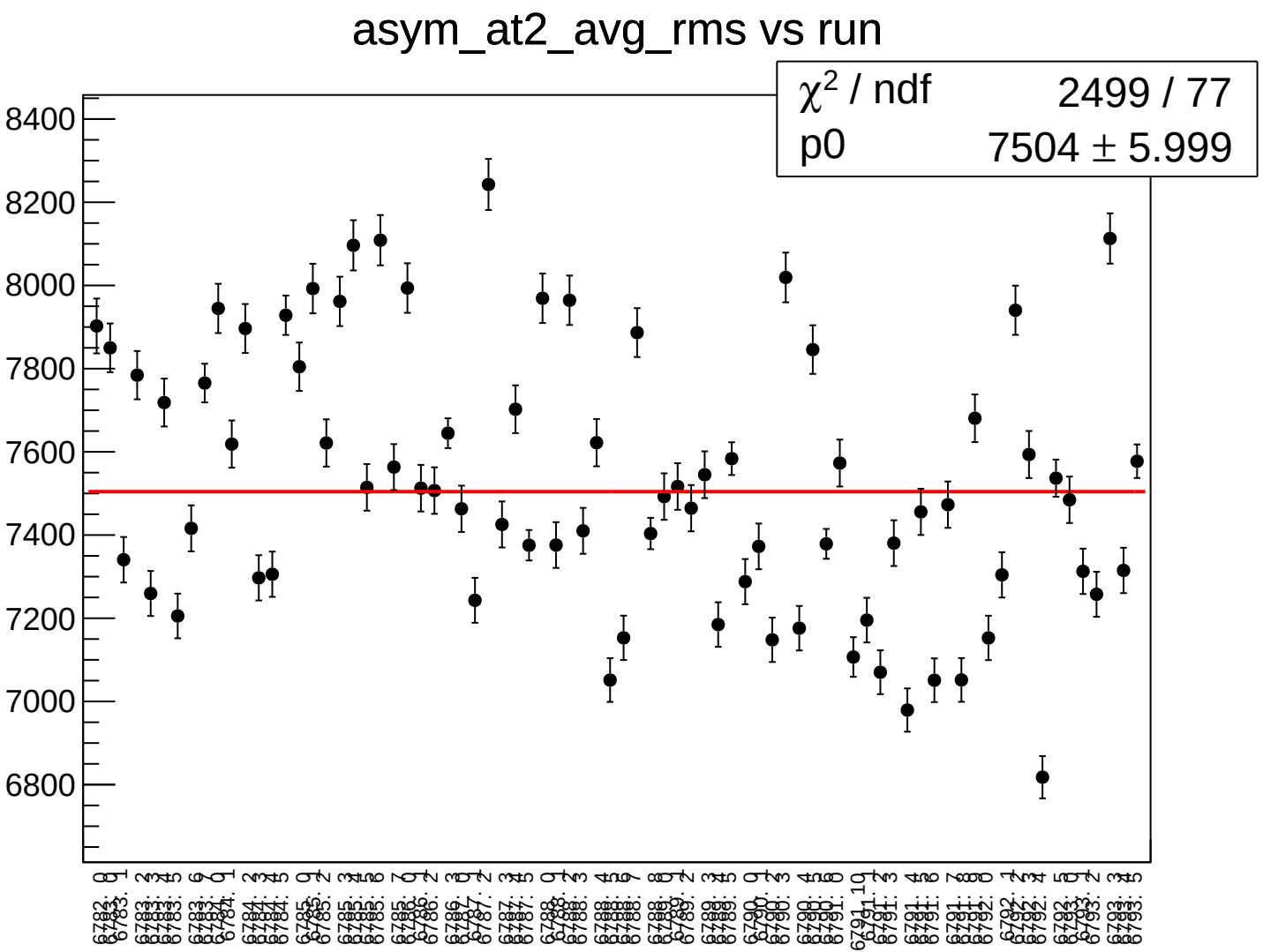

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 60 / 77
p0 −2615 ± 8393
pull
Entries 78
Mean −72.87
Std Dev 126.7
pull1D
Entries 78
Mean −0.006496
Std Dev 0.877

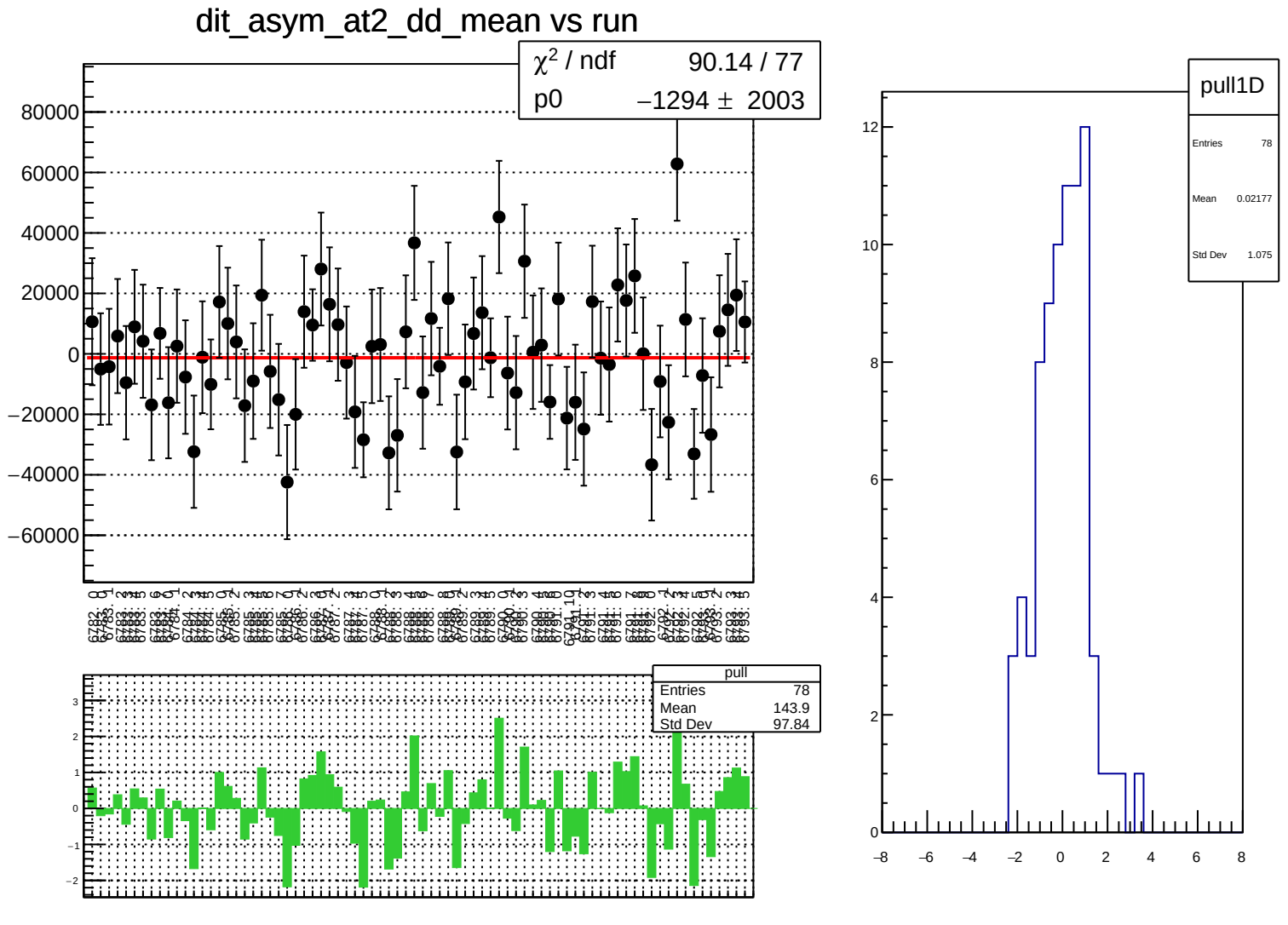
asym_at2_avg_correction_rms vs run

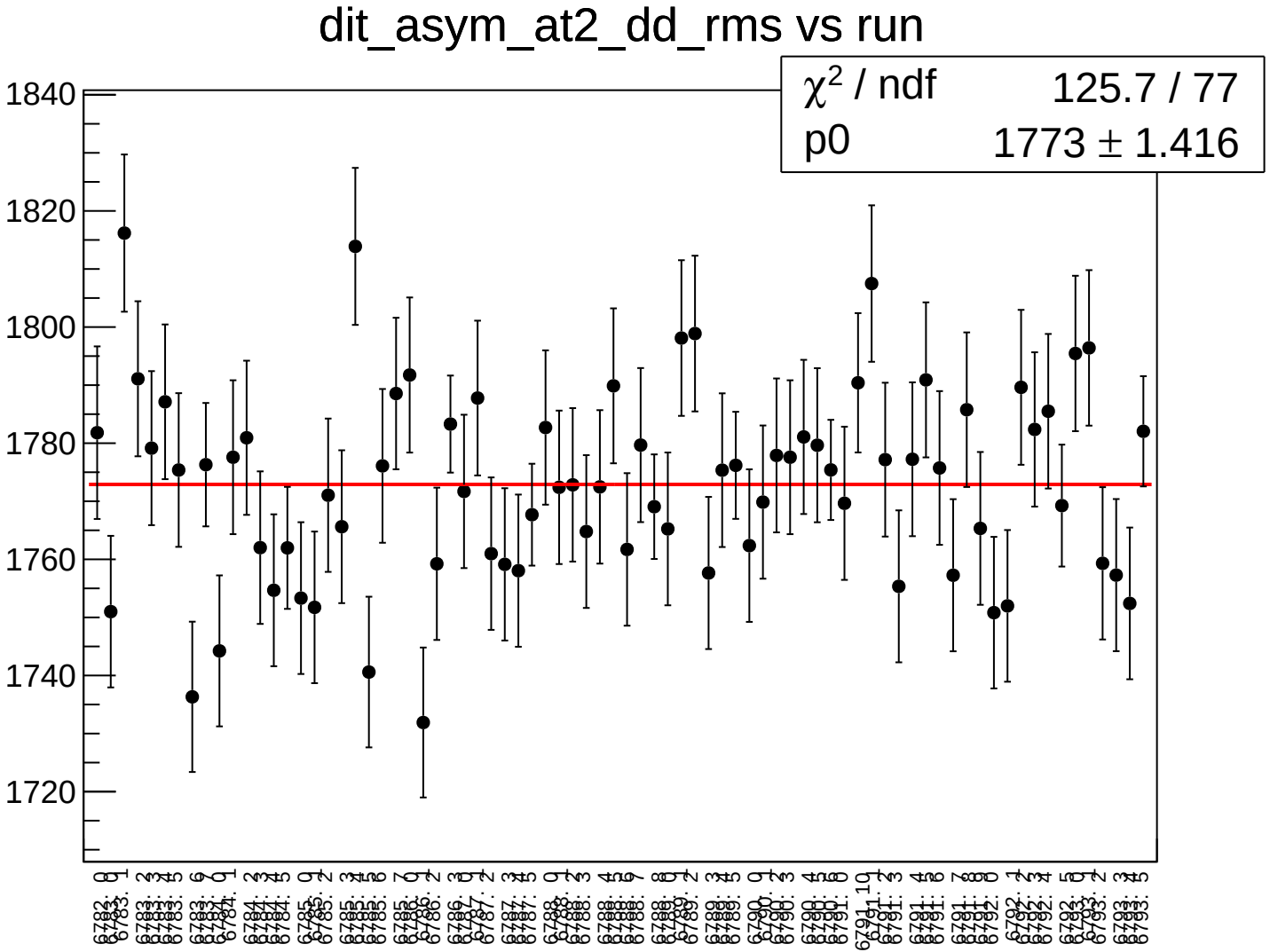


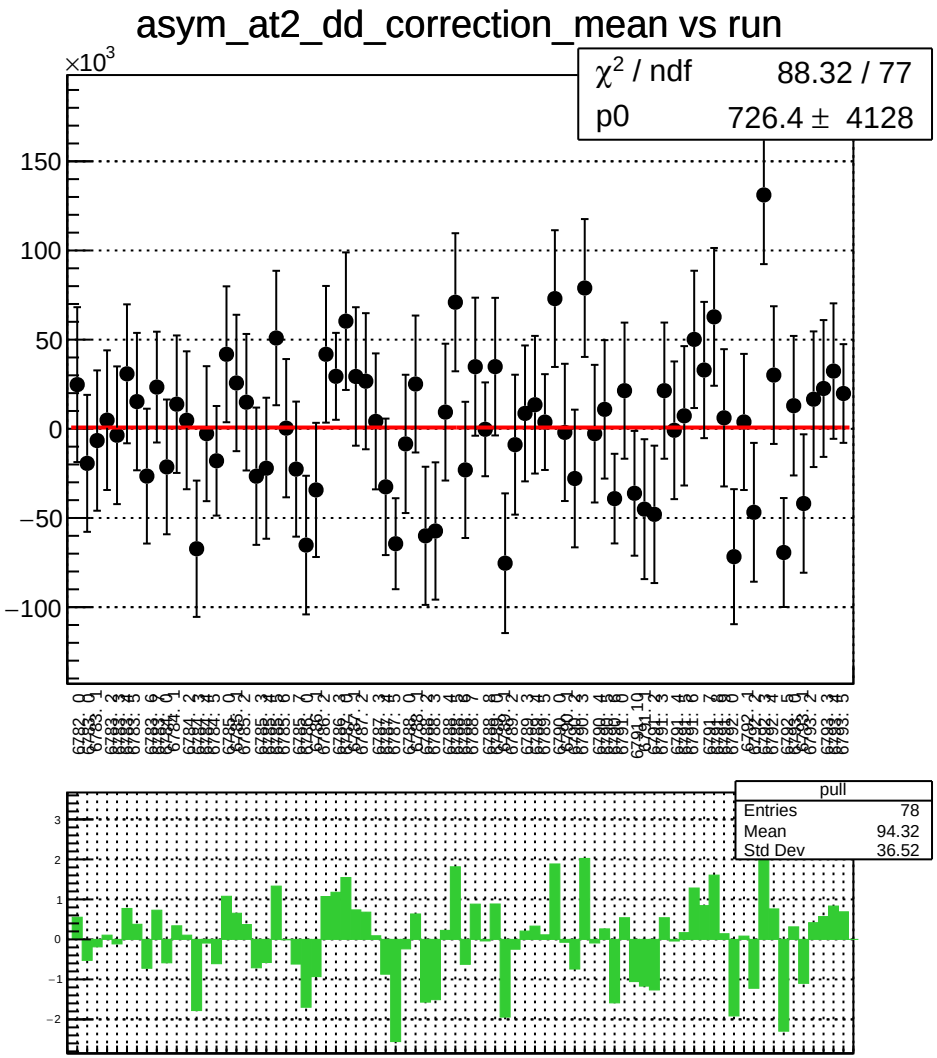

asym_at2_avg_mean vs run
×10^3
χ² / ndf 64.13 / 77
p0 1407 ± 8484
pull
Entries 78
Mean −429.6
Std Dev 483.5

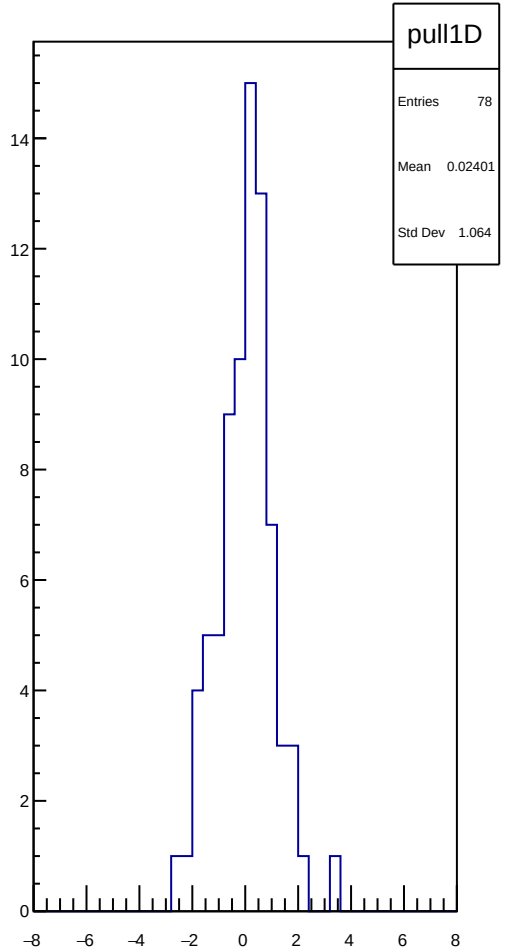

pull1D
Entries 78
Mean 0.004457
Std Dev 0.9067

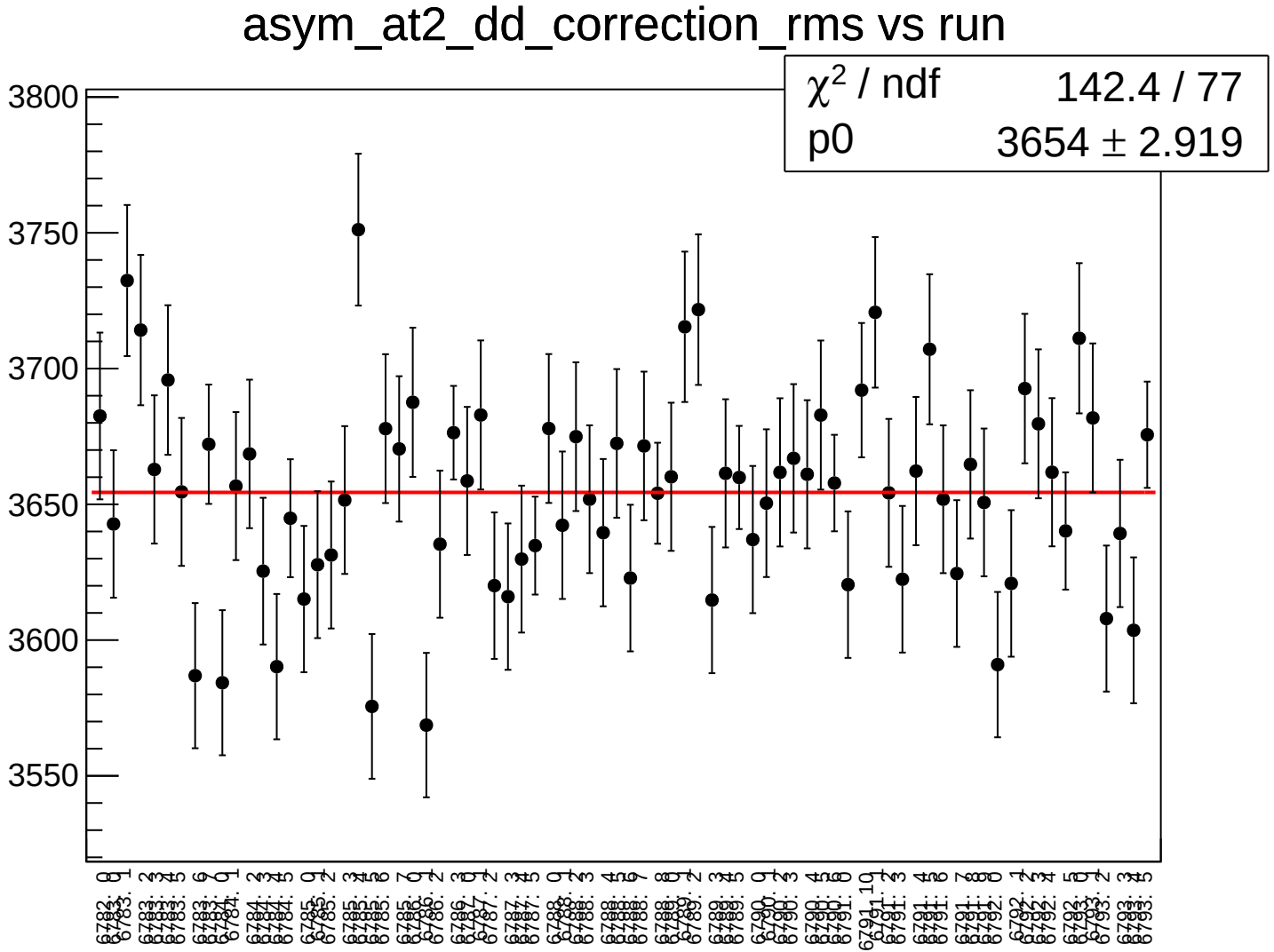

asym_at2_avg_rms vs run
χ² / ndf 2499 / 77
p0 7504 ± 5.999
8400
8200
8000
7800
7600
7400
7200
7000
6800

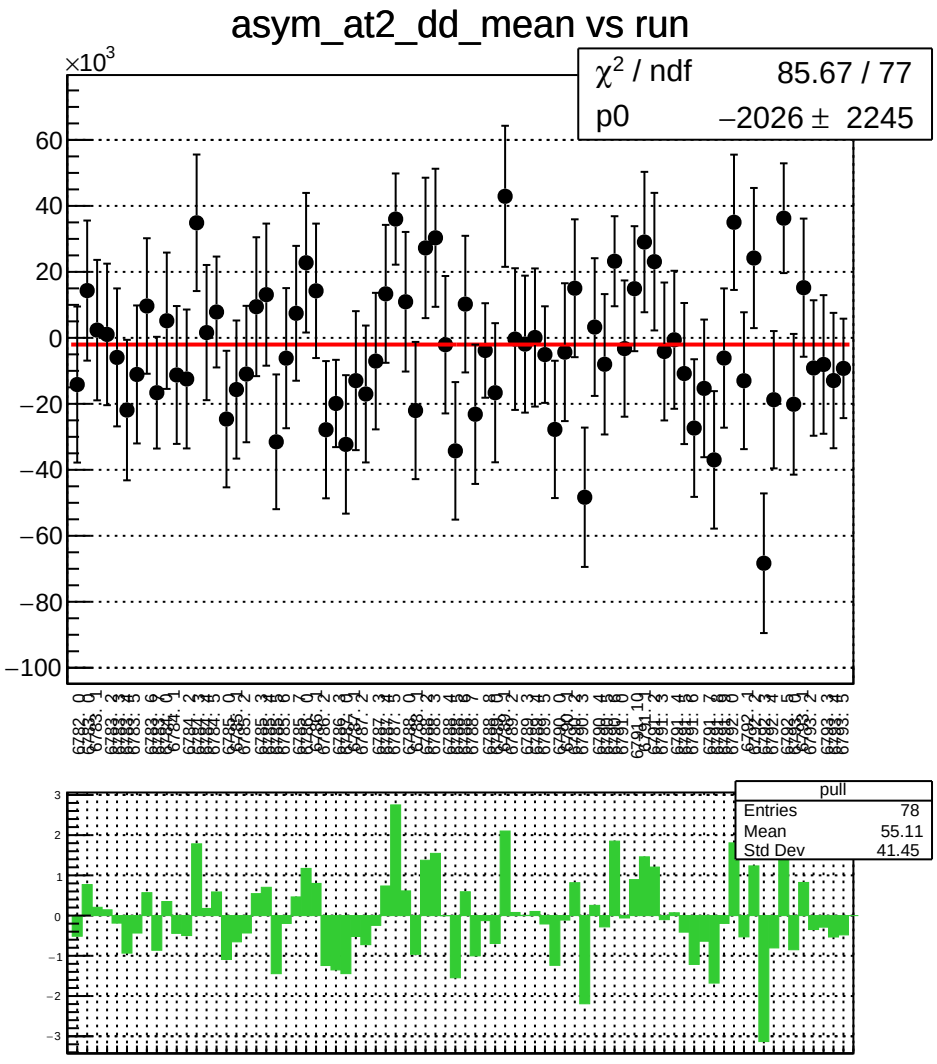

dit_asym_at2_dd_mean vs run
χ² / ndf 90.14 / 77
p0 −1294 ± 2003
pull
Entries 78
Mean 143.9
Std Dev 97.84
pull1D
Entries 78
Mean 0.02177
Std Dev 1.075

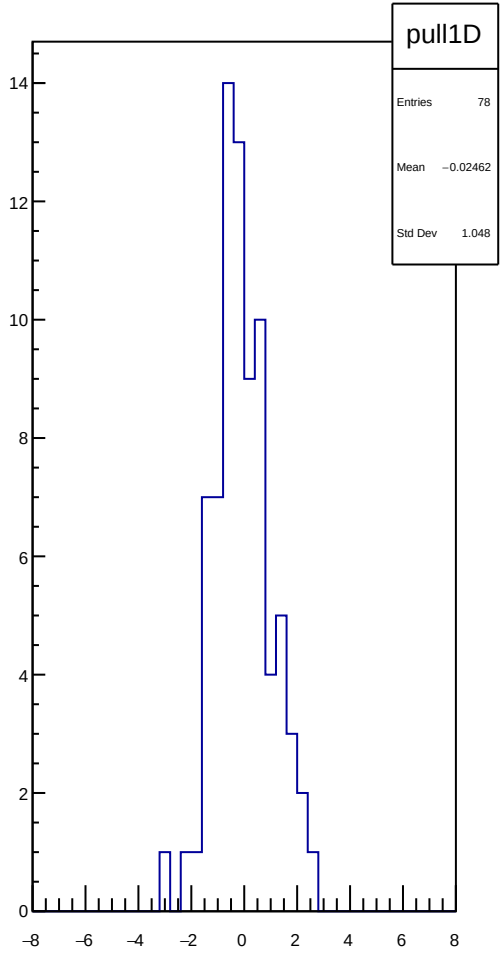

dit_asym_at2_dd_rms vs run
χ² / ndf 125.7 / 77
p0 1773 ± 1.416
1840
1820
1800
1780
1760
1740
1720


asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 88.32 / 77
p0 726.4 ± 4128
150
100
50
0
−50
−100
pull
Entries 78
Mean 94.32
Std Dev 36.52
3
2
1
0
−1
−2

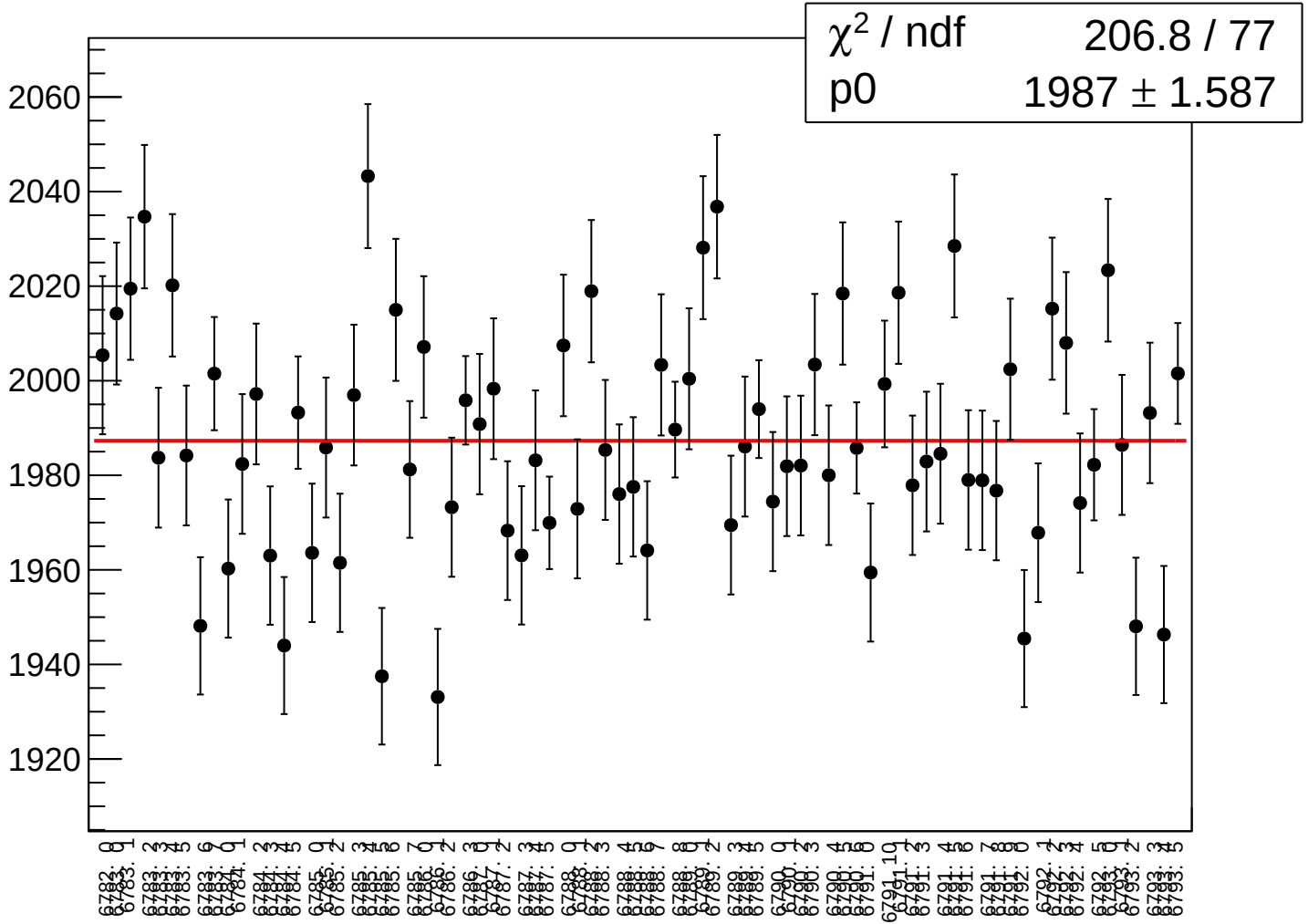

pull1D
Entries 78
Mean 0.02401
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

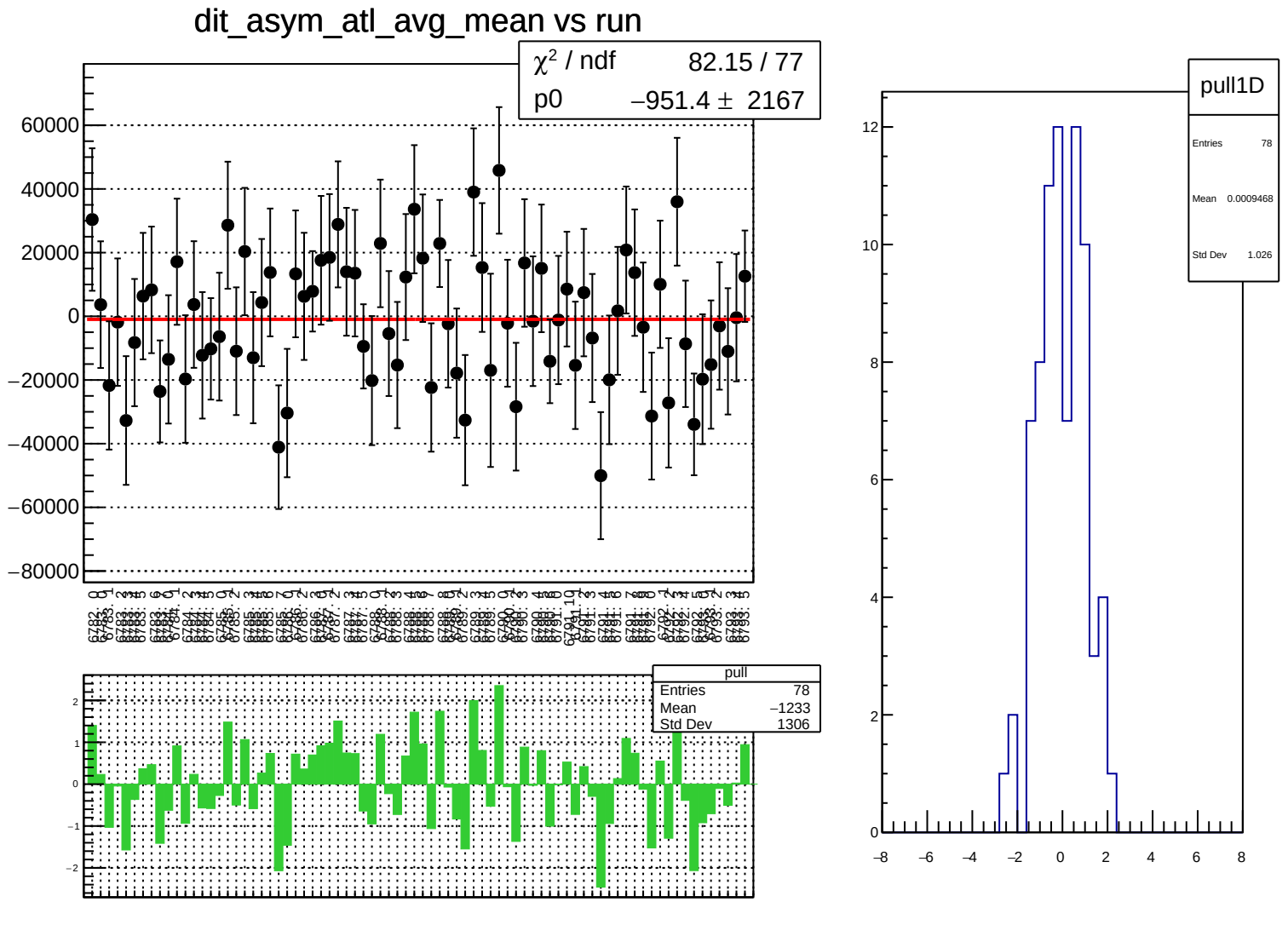

asym_at2_dd_correction_rms vs run
χ^2 / ndf 142.4 / 77
p0 3654 ± 2.919
3800
3750
3700
3650
3600
3550


asym_at2_dd_mean vs run
×10^3
χ² / ndf 85.67 / 77
p0 −2026 ± 2245
pull
Entries 78
Mean 55.11
Std Dev 41.45

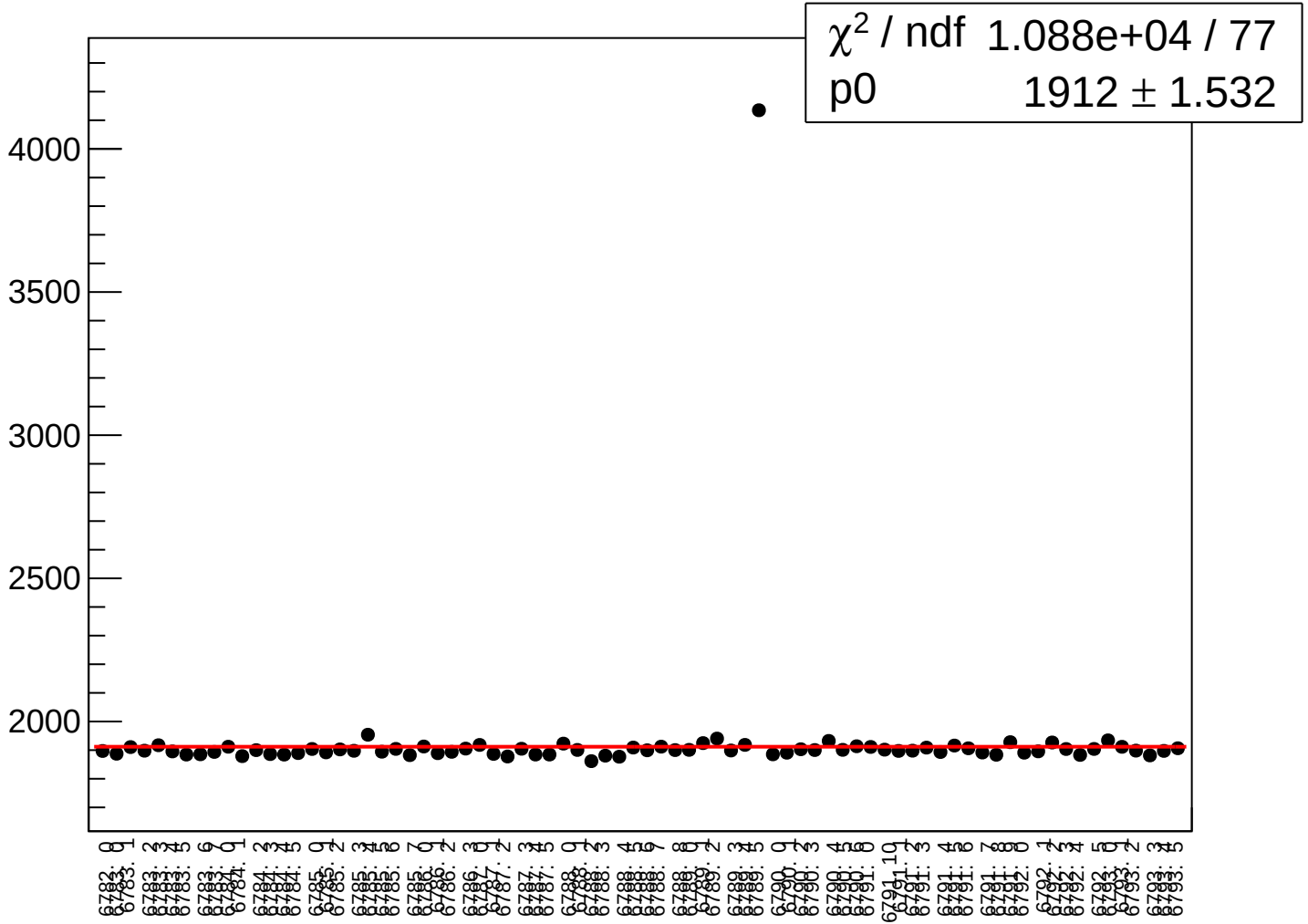

pull1D
Entries 78
Mean −0.02462
Std Dev 1.048

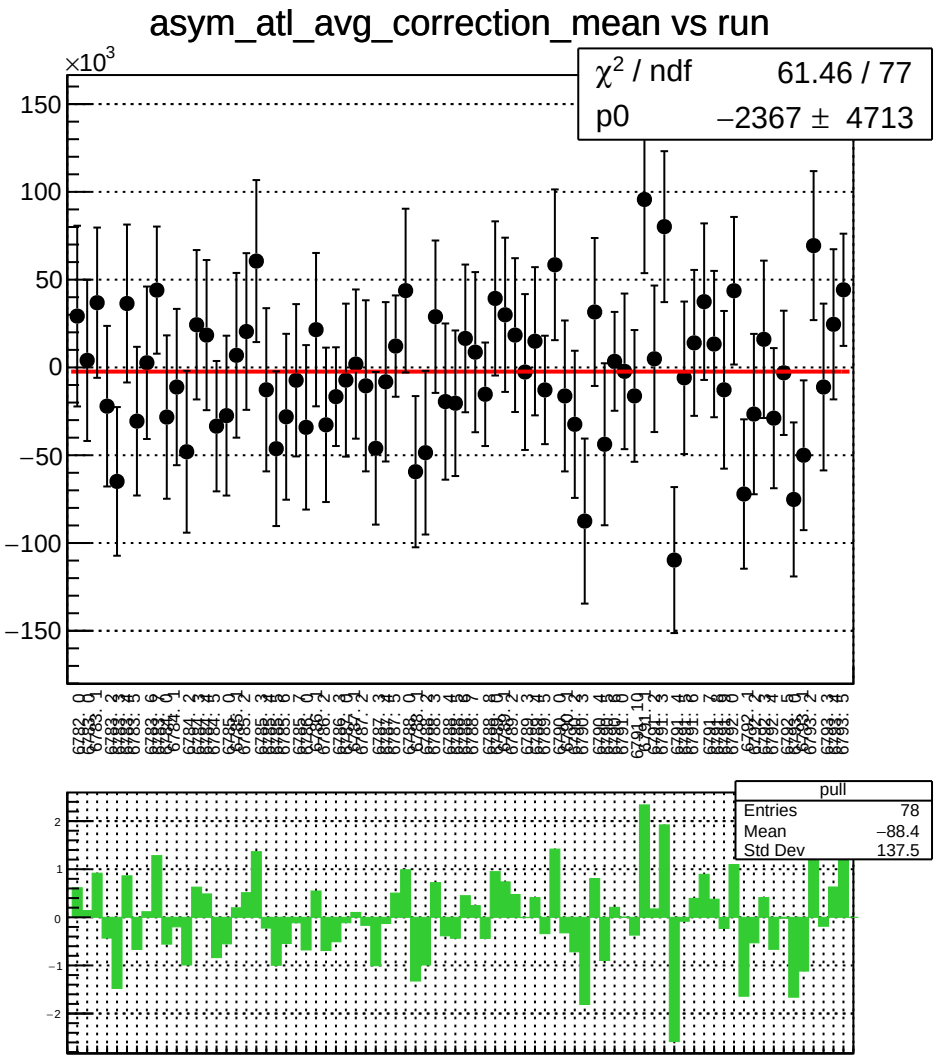
asym_at2_dd_rms vs run

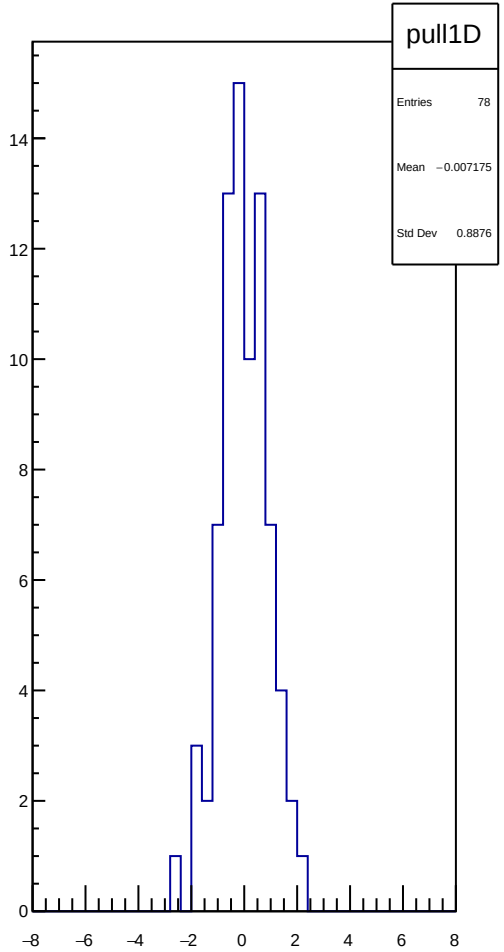



dit_asym_atl_avg_mean vs run
χ² / ndf 82.15 / 77
p0 −951.4 ± 2167
pull
Entries 78
Mean −1233
Std Dev 1306
pull1D
Entries 78
Mean 0.0009468
Std Dev 1.026

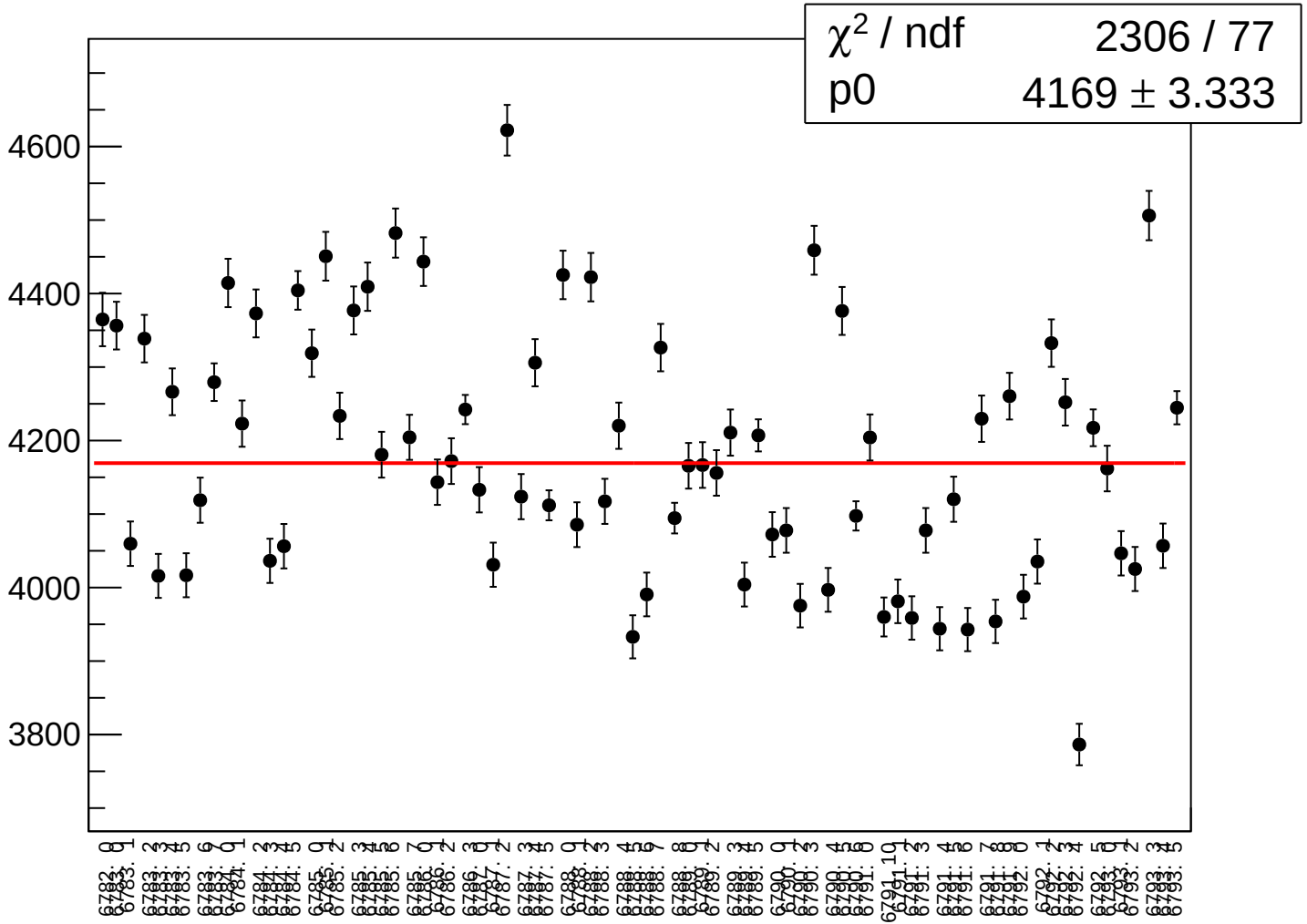
dit_asym_atl_avg_rms vs run

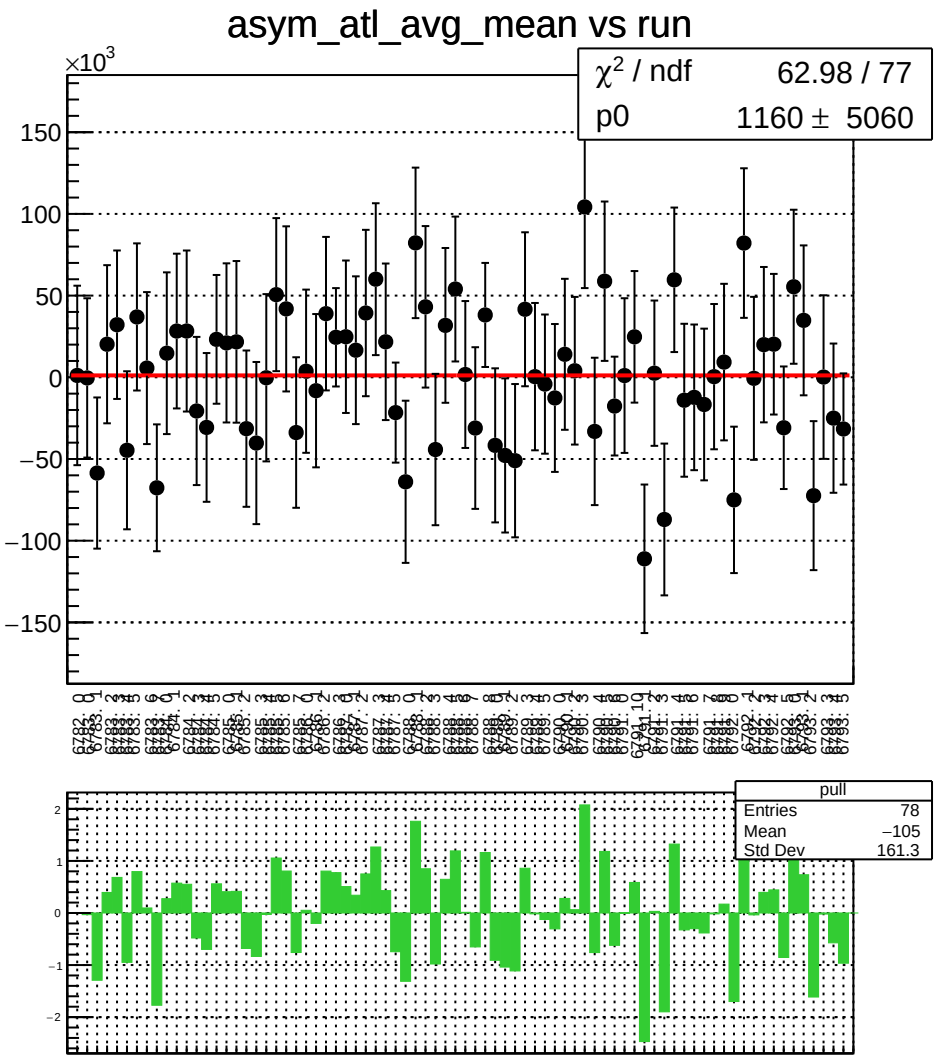


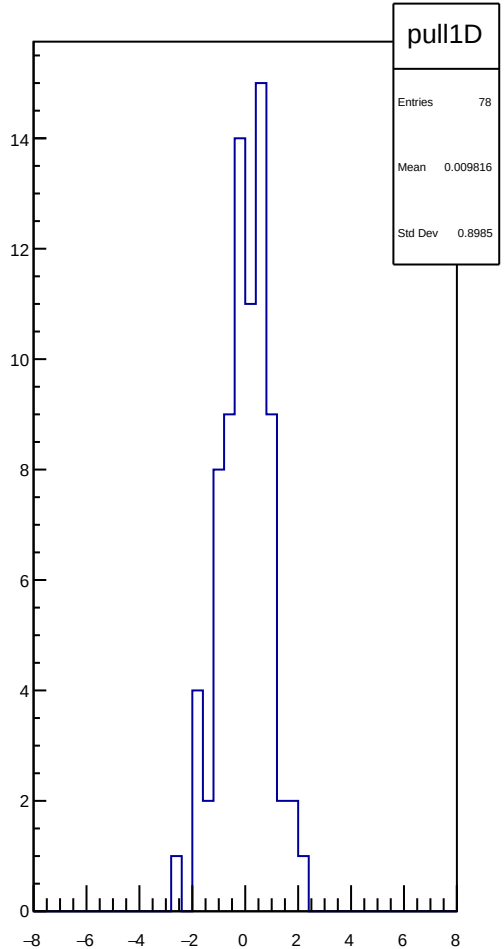

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 61.46 / 77
p0 −2367 ± 4713
pull
Entries 78
Mean −88.4
Std Dev 137.5


pull1D
Entries 78
Mean −0.007175
Std Dev 0.8876

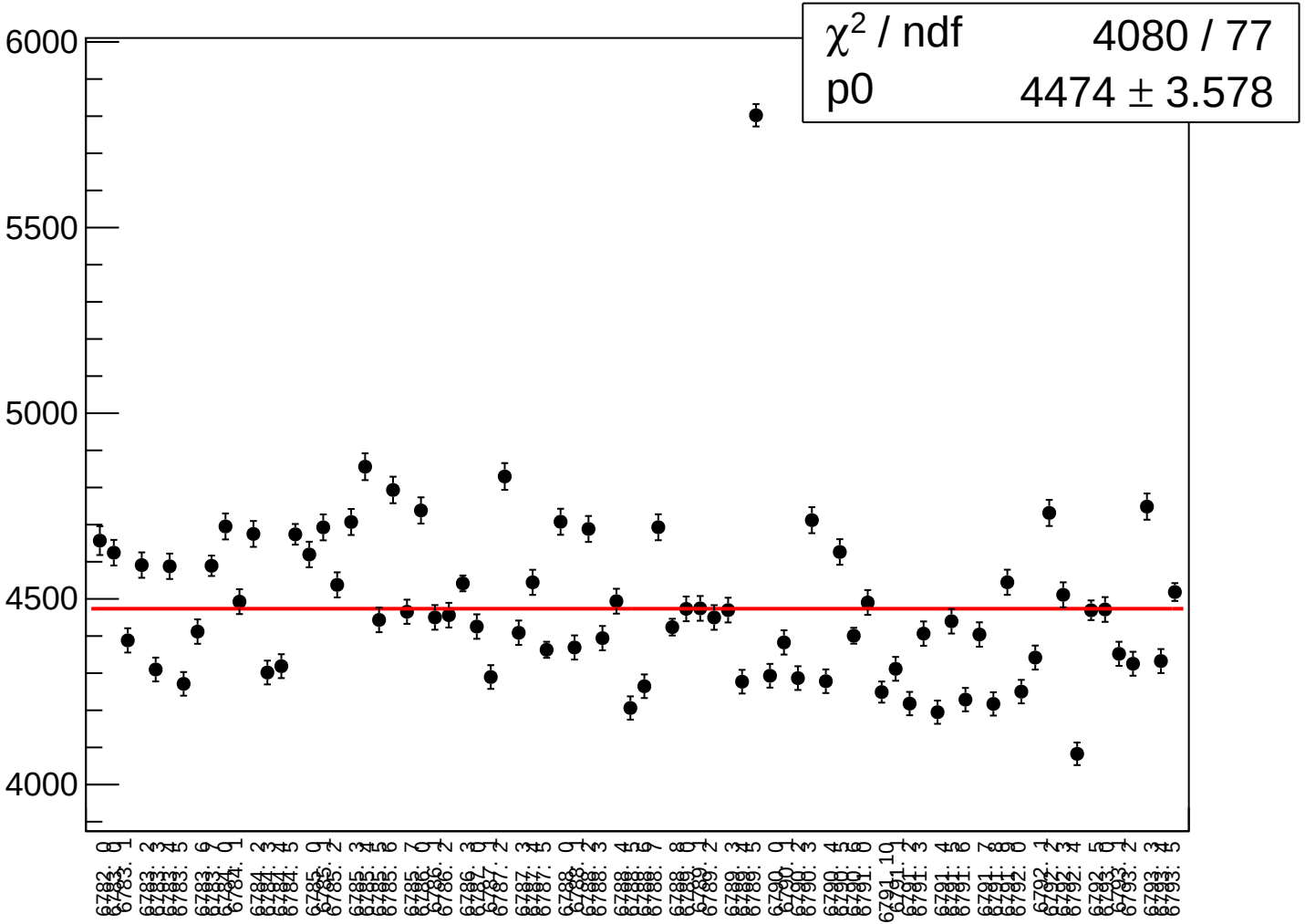
asym_atl_avg_correction_rms vs run

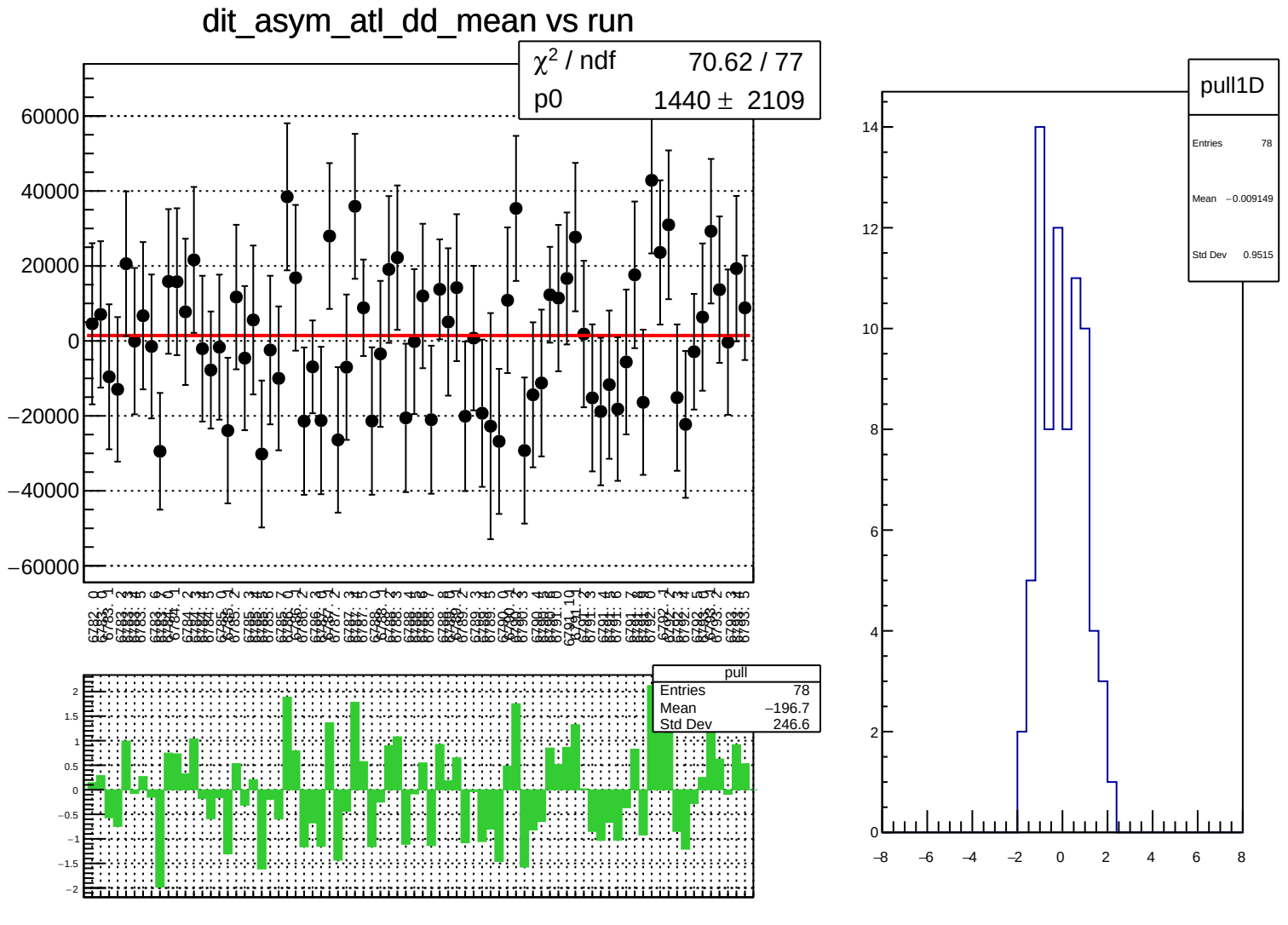


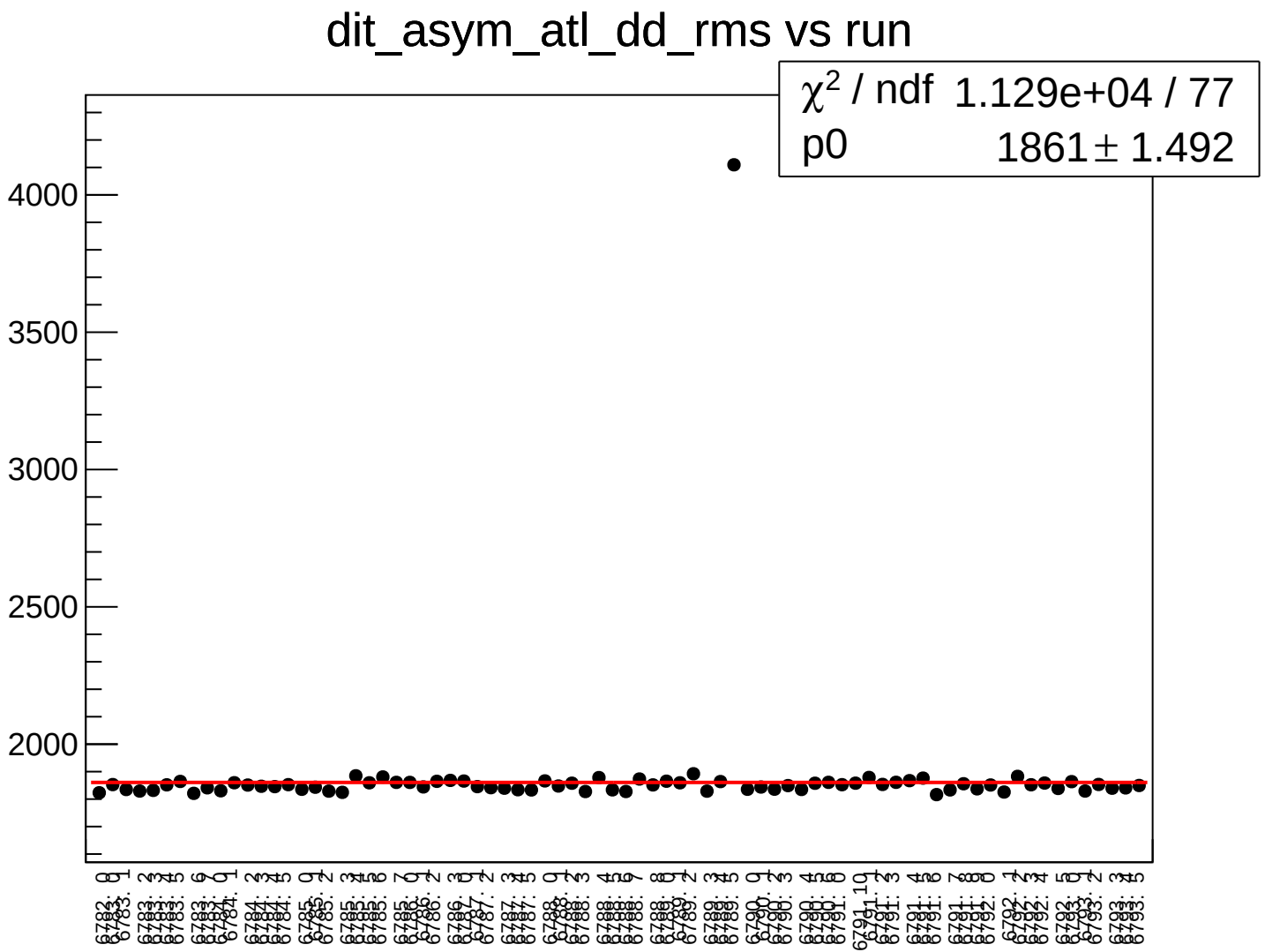

asym_atl_avg_mean vs run
×10^3
χ² / ndf 62.98 / 77
p0 1160 ± 5060
pull
Entries 78
Mean −105
Std Dev 161.3

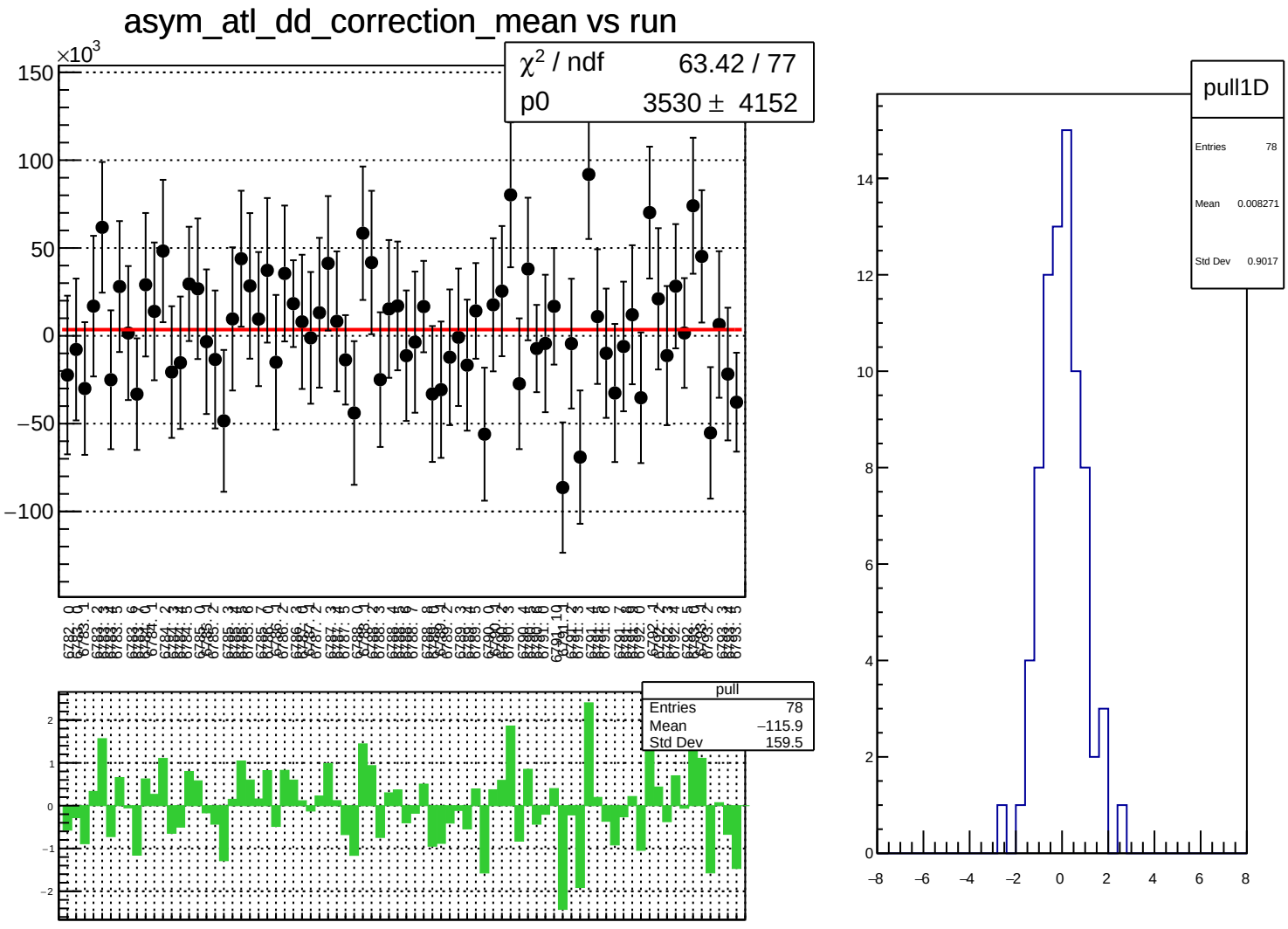

pull1D
Entries 78
Mean 0.009816
Std Dev 0.8985

asym_atl_avg_rms vs run

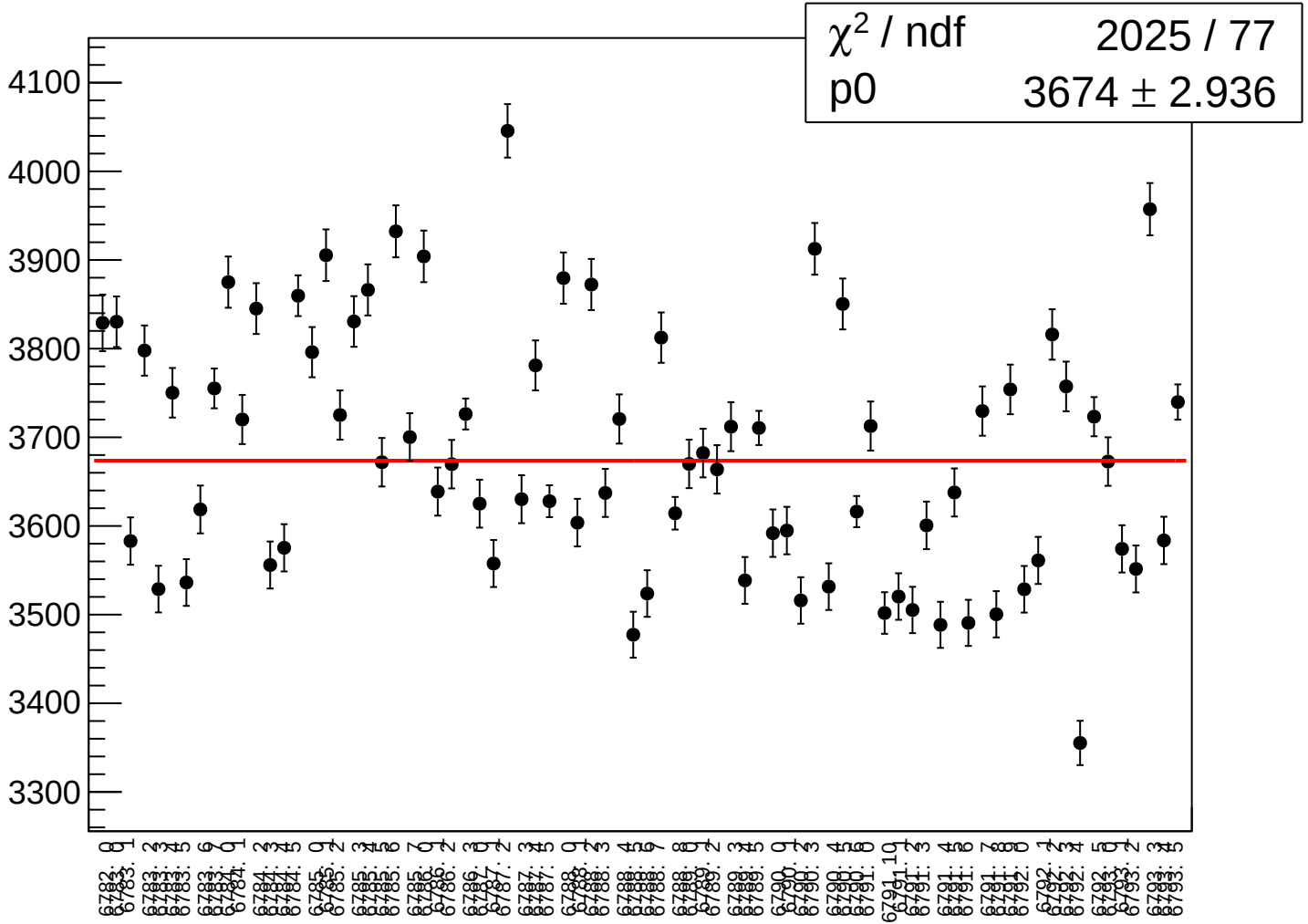


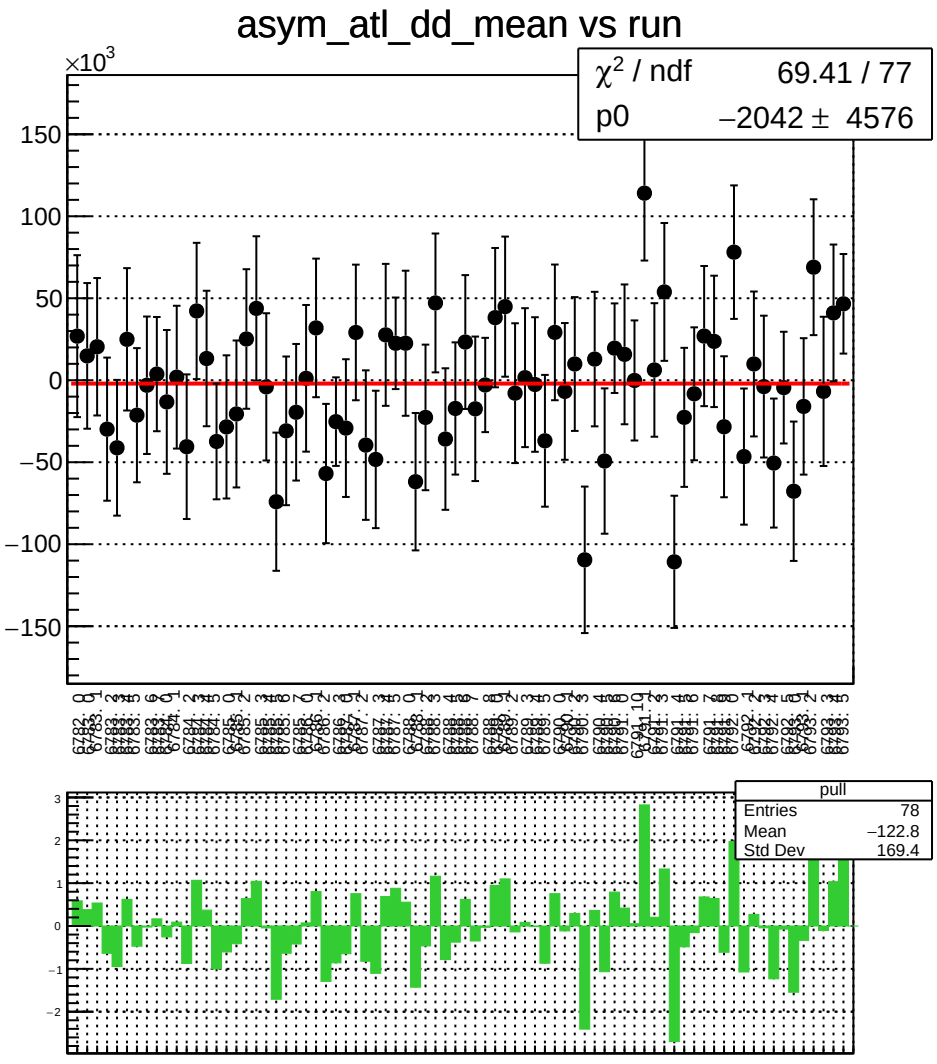

dit_asym_atl_dd_mean vs run
χ² / ndf 70.62 / 77
p0 1440 ± 2109
pull
Entries 78
Mean −196.7
Std Dev 246.6
pull1D
Entries 78
Mean −0.009149
Std Dev 0.9515

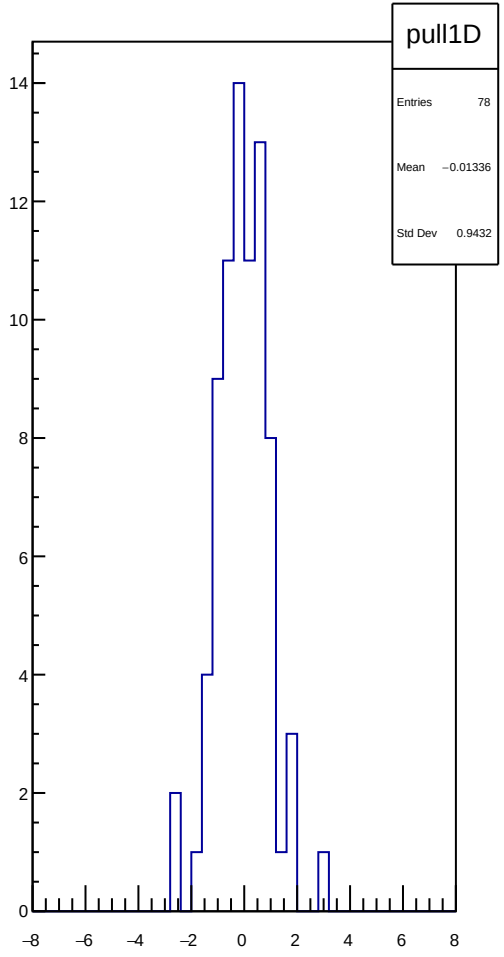

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.129e+04 / 77
p0 1861 ± 1.492
4000
3500
3000
2500
2000


asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 63.42 / 77
p0 3530 ± 4152
pull
Entries 78
Mean −115.9
Std Dev 159.5
pull1D
Entries 78
Mean 0.008271
Std Dev 0.9017

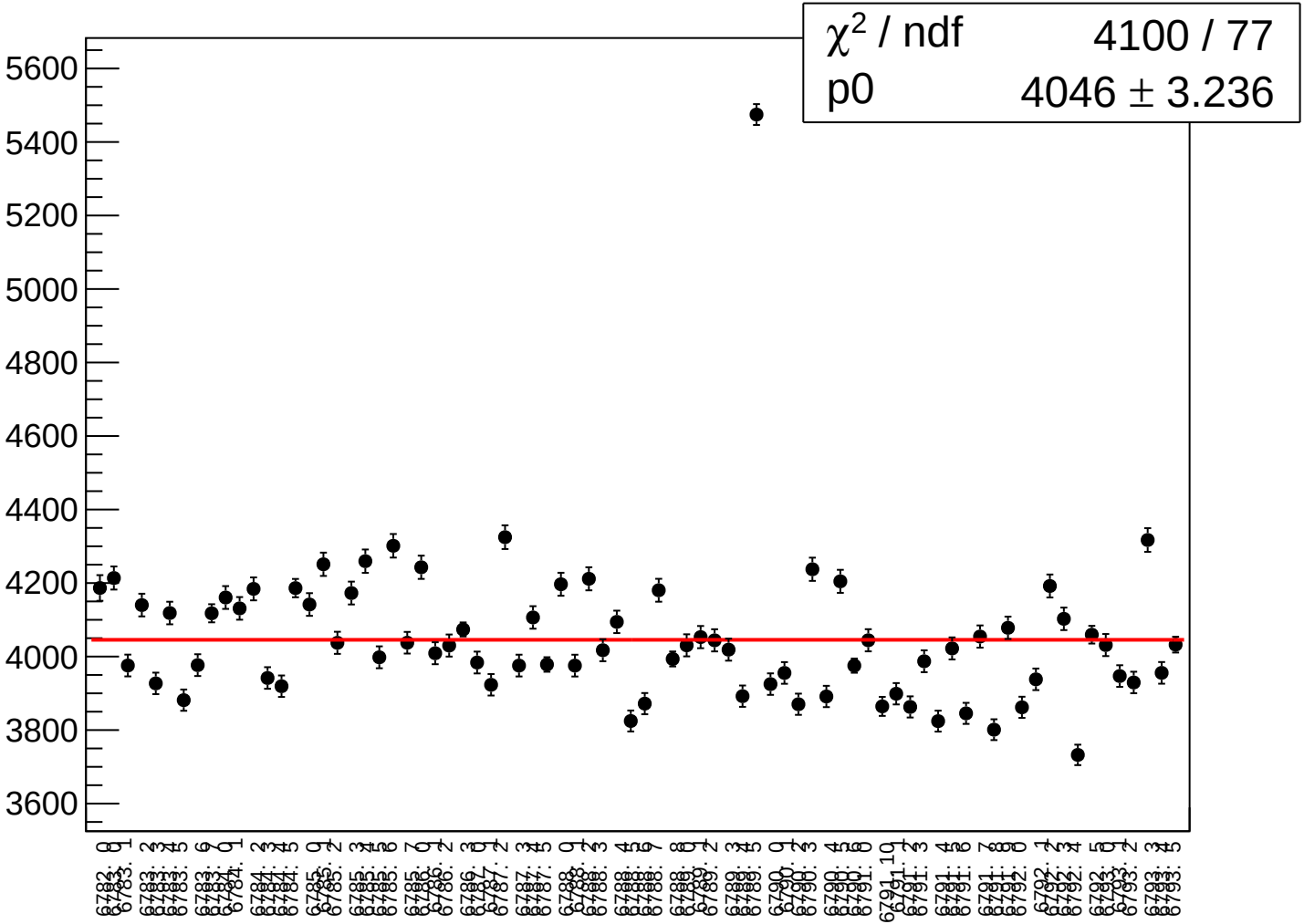
asym_atl_dd_correction_rms vs run

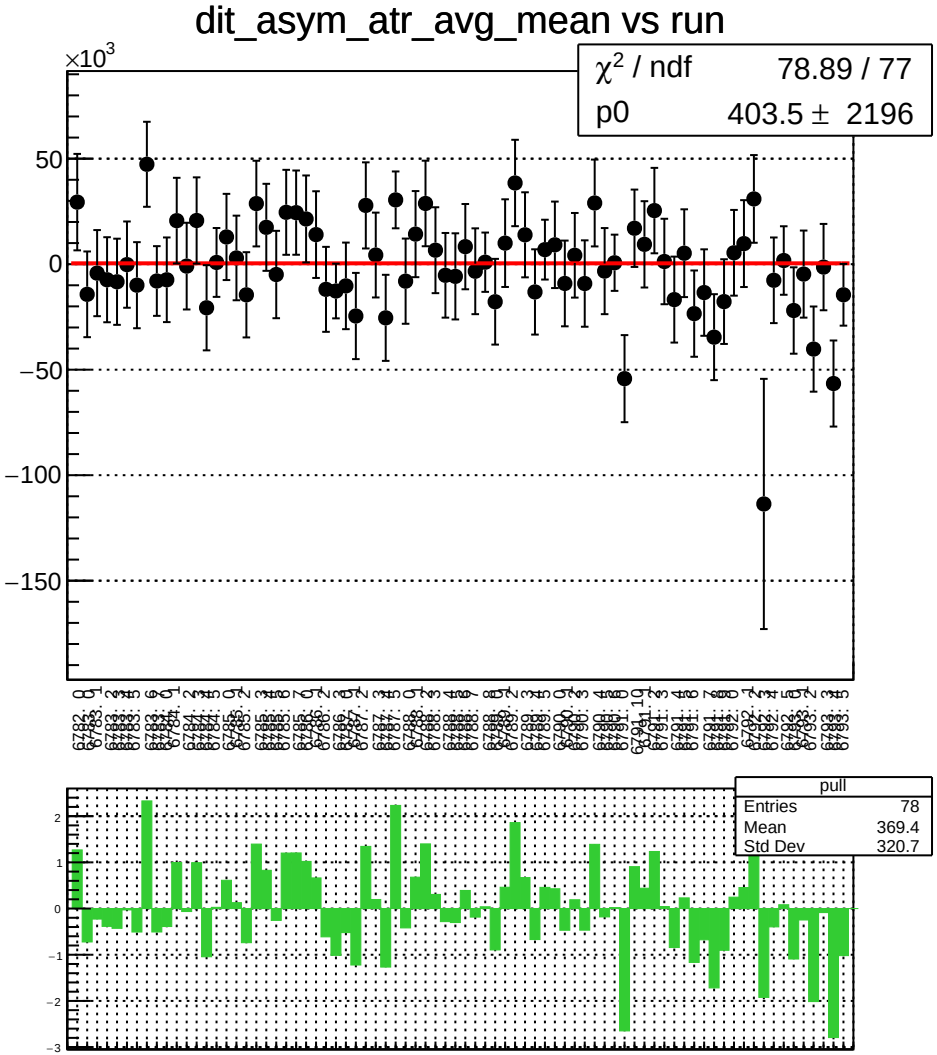


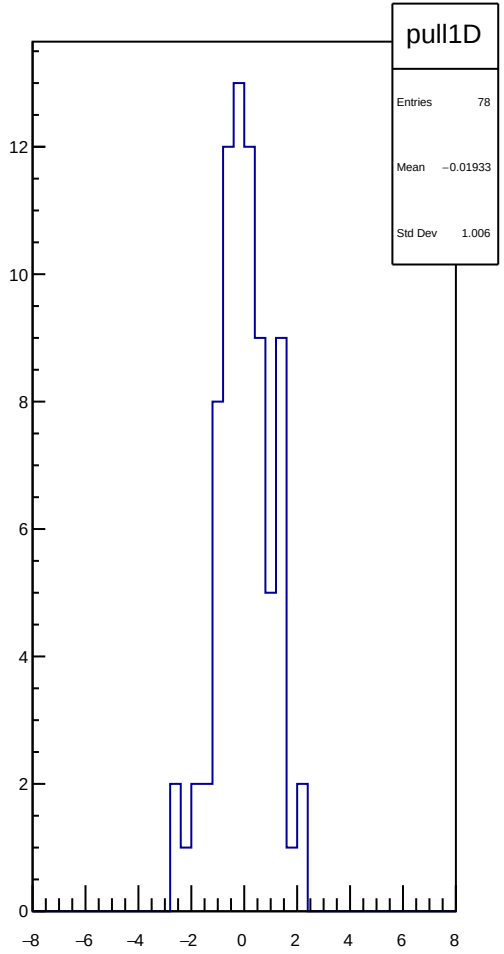

asym_atl_dd_mean vs run
×10^3
χ² / ndf 69.41 / 77
p0 −2042 ± 4576
pull
Entries 78
Mean −122.8
Std Dev 169.4

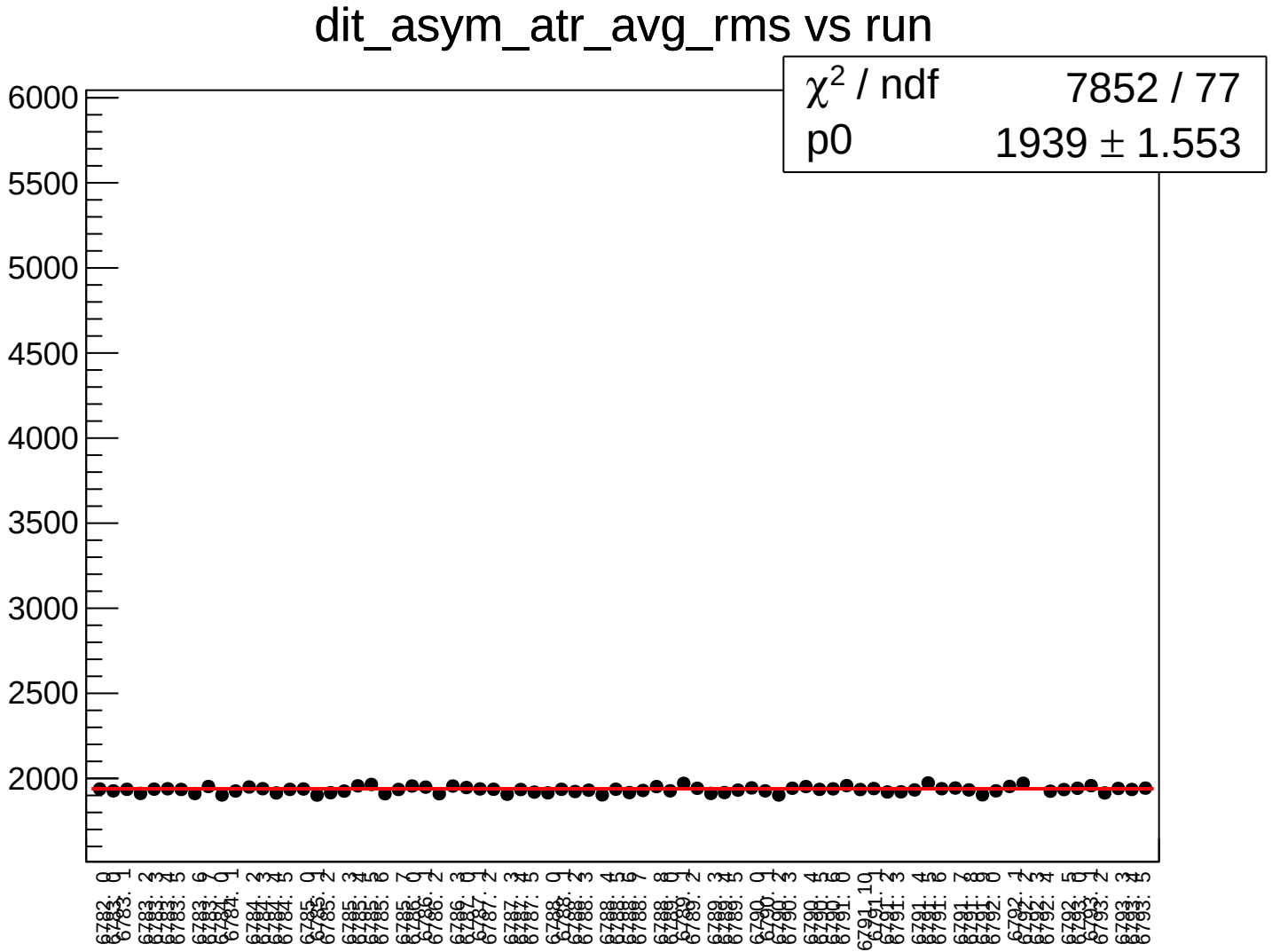

pull1D
Entries 78
Mean −0.01336
Std Dev 0.9432

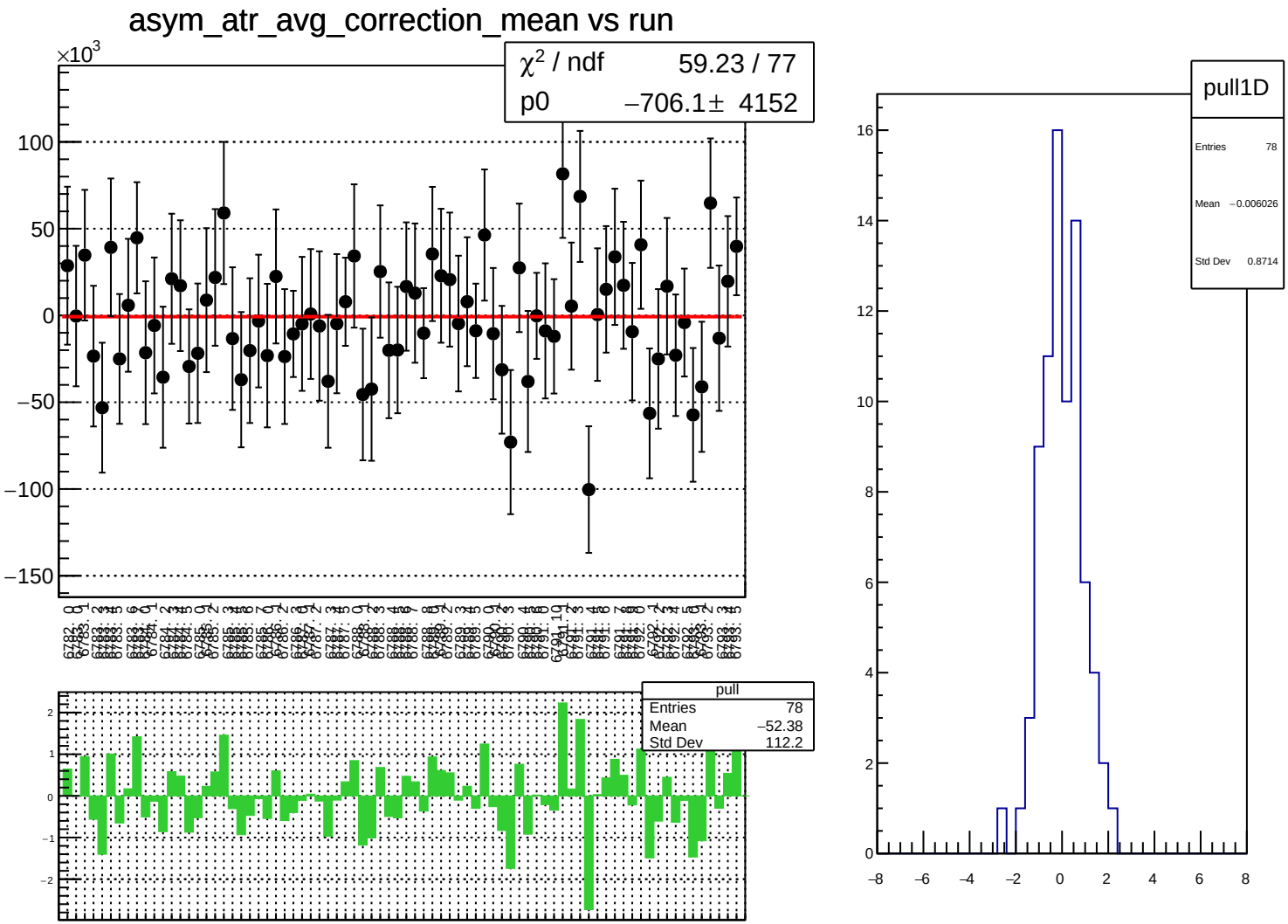
asym_atl_dd_rms vs run

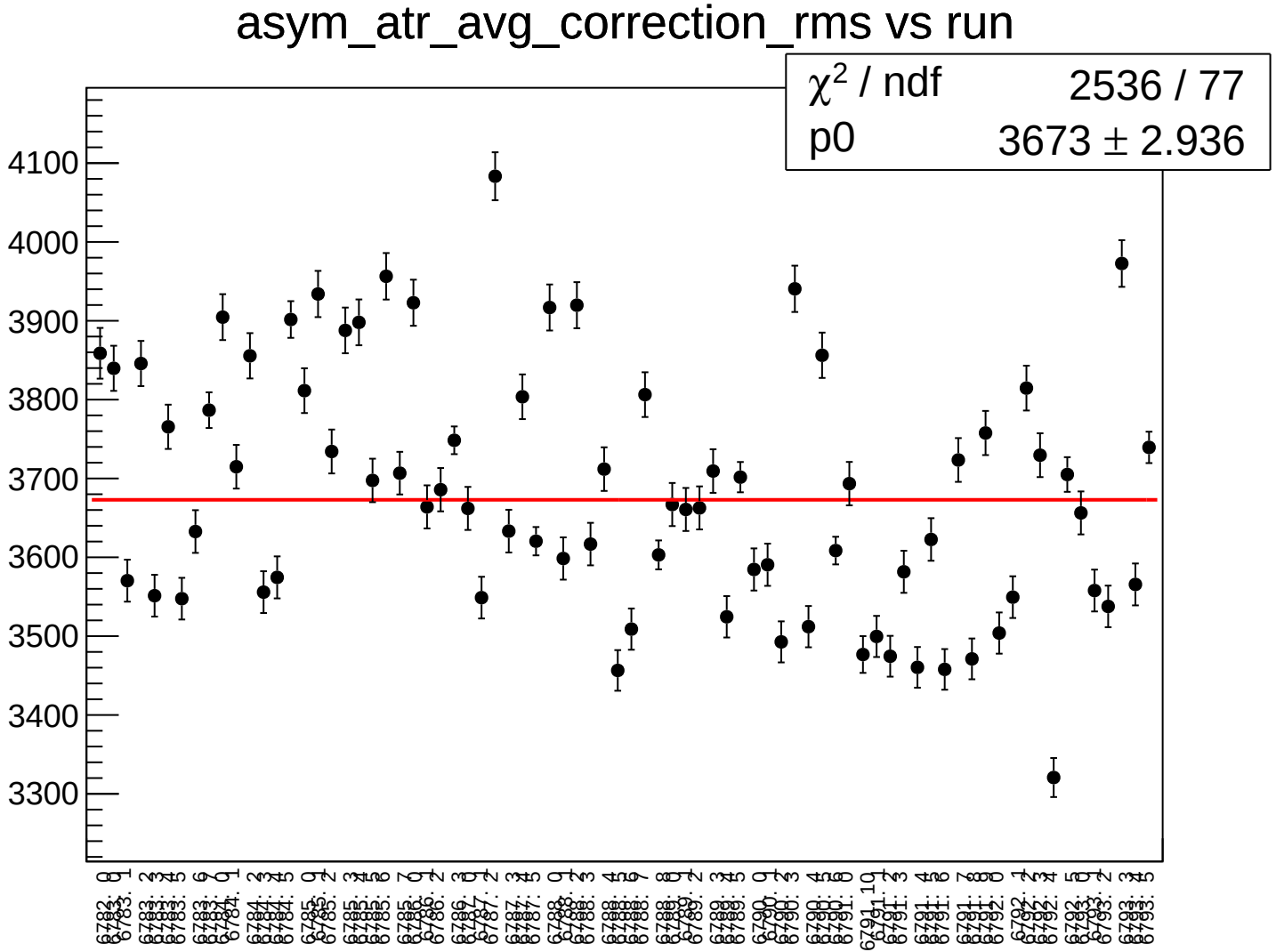


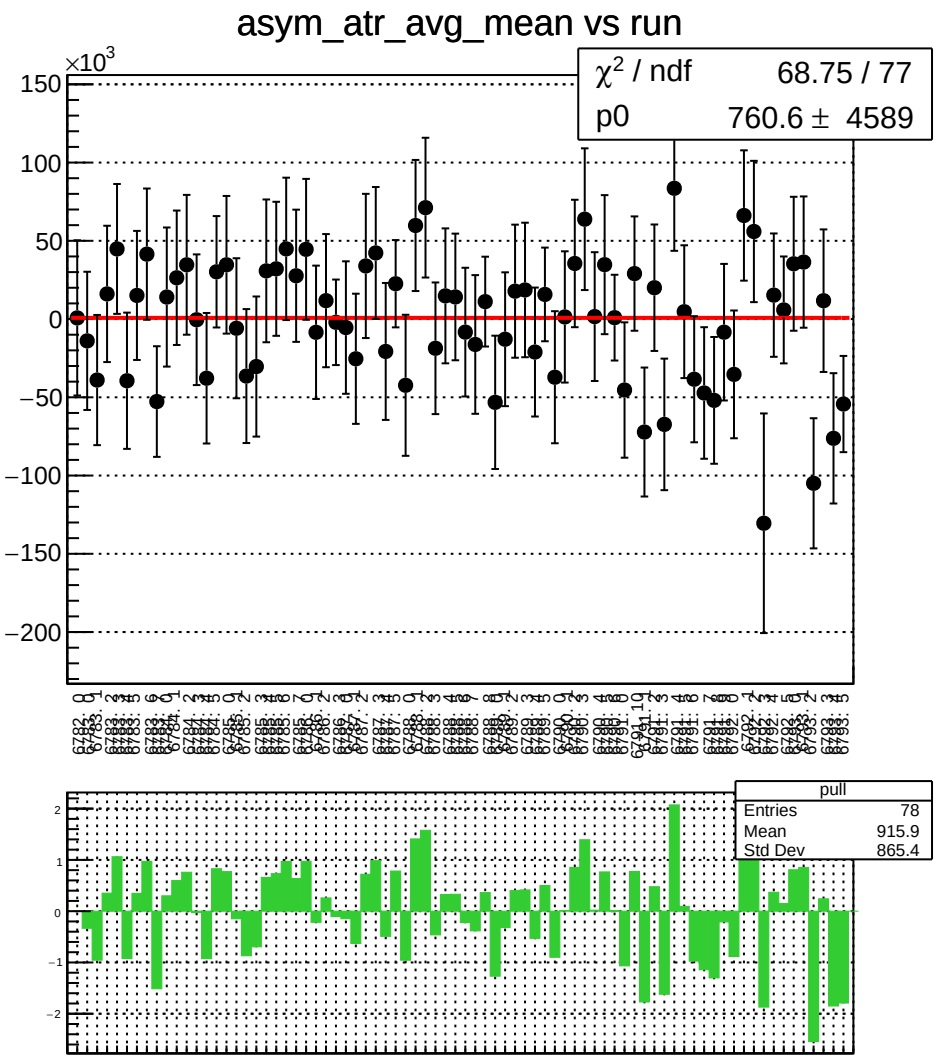

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 78.89 / 77
p0 403.5 ± 2196
pull
Entries 78
Mean 369.4
Std Dev 320.7

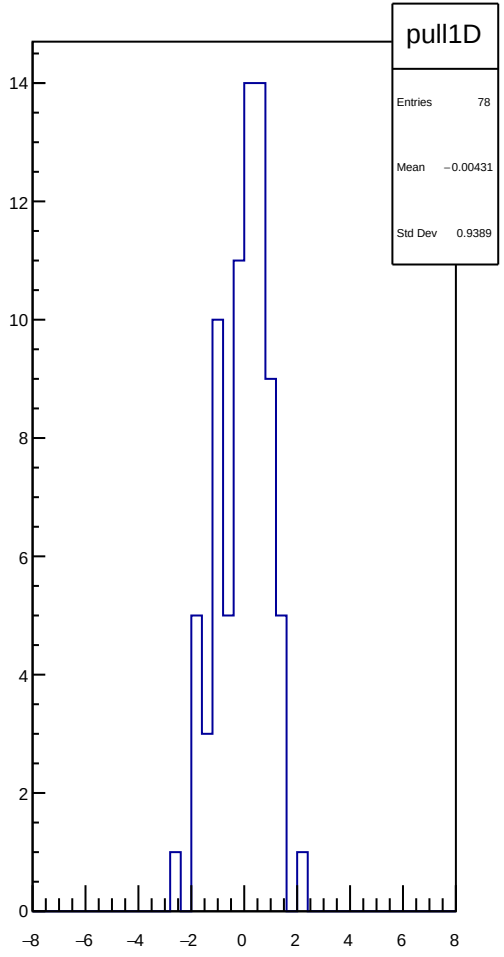

pull1D
Entries 78
Mean −0.01933
Std Dev 1.006

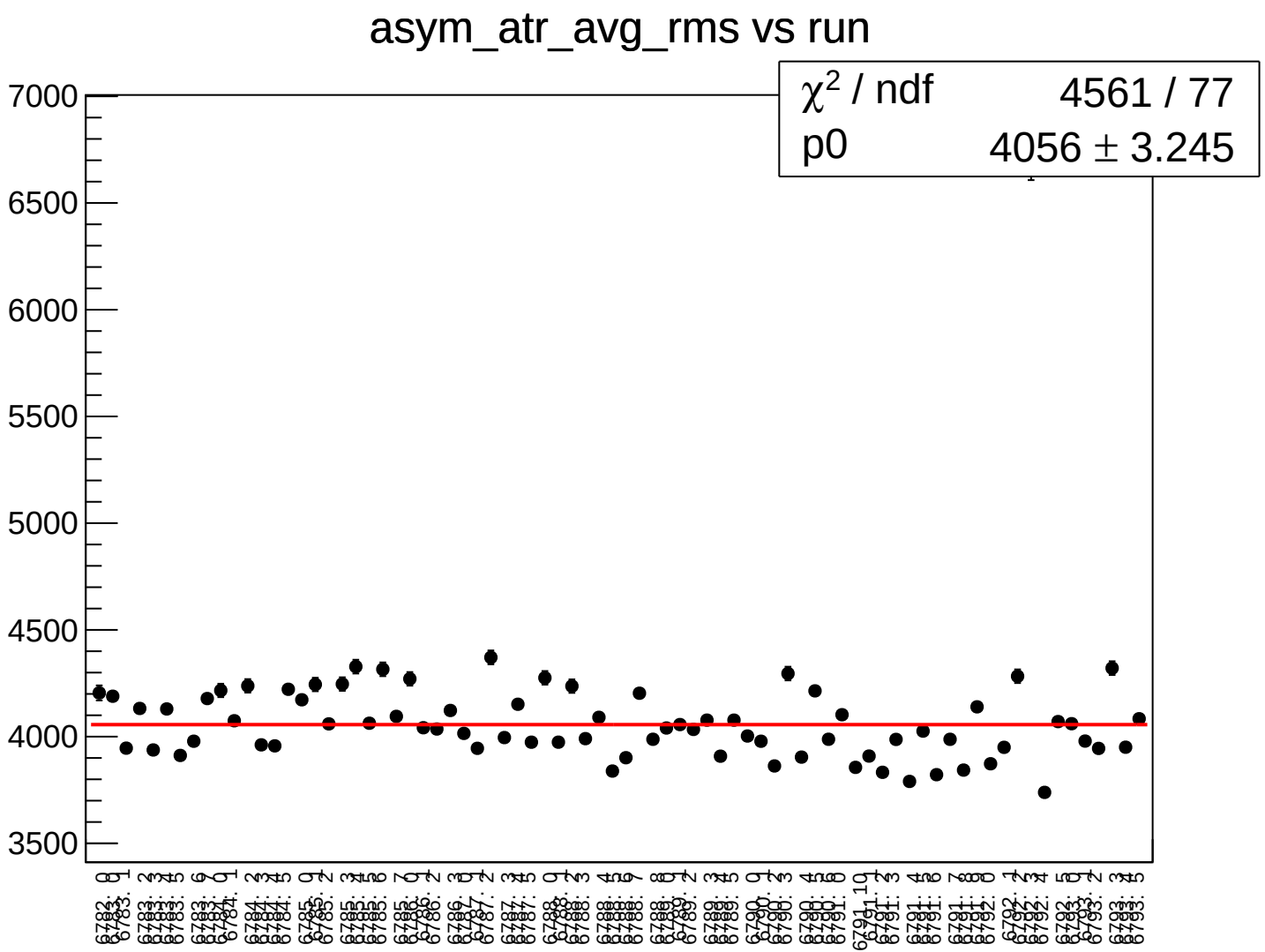

dit_asym_atr_avg_rms vs run
χ^2 / ndf 7852 / 77
p0 1939 ± 1.553
6000
5500
5000
4500
4000
3500
3000
2500
2000

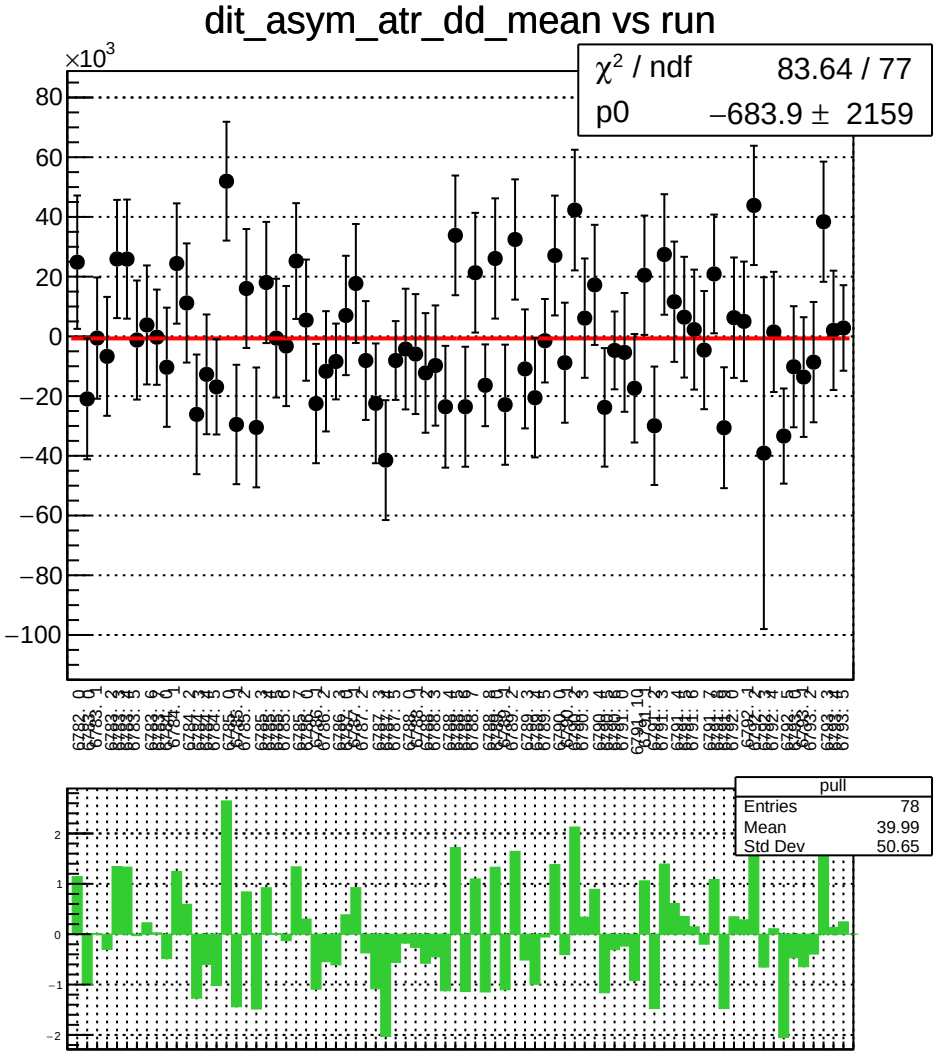

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 59.23 / 77
p0 −706.1± 4152
pull
Entries 78
Mean −52.38
Std Dev 112.2
pull1D
Entries 78
Mean −0.006026
Std Dev 0.8714

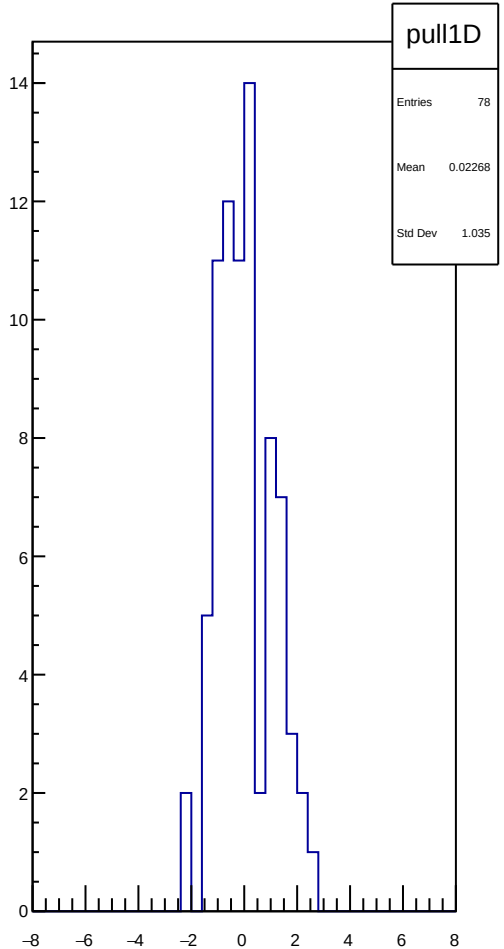

asym_atr_avg_correction_rms vs run
χ² / ndf 2536 / 77
p0 3673 ± 2.936
4100
4000
3900
3800
3700
3600
3500
3400
3300

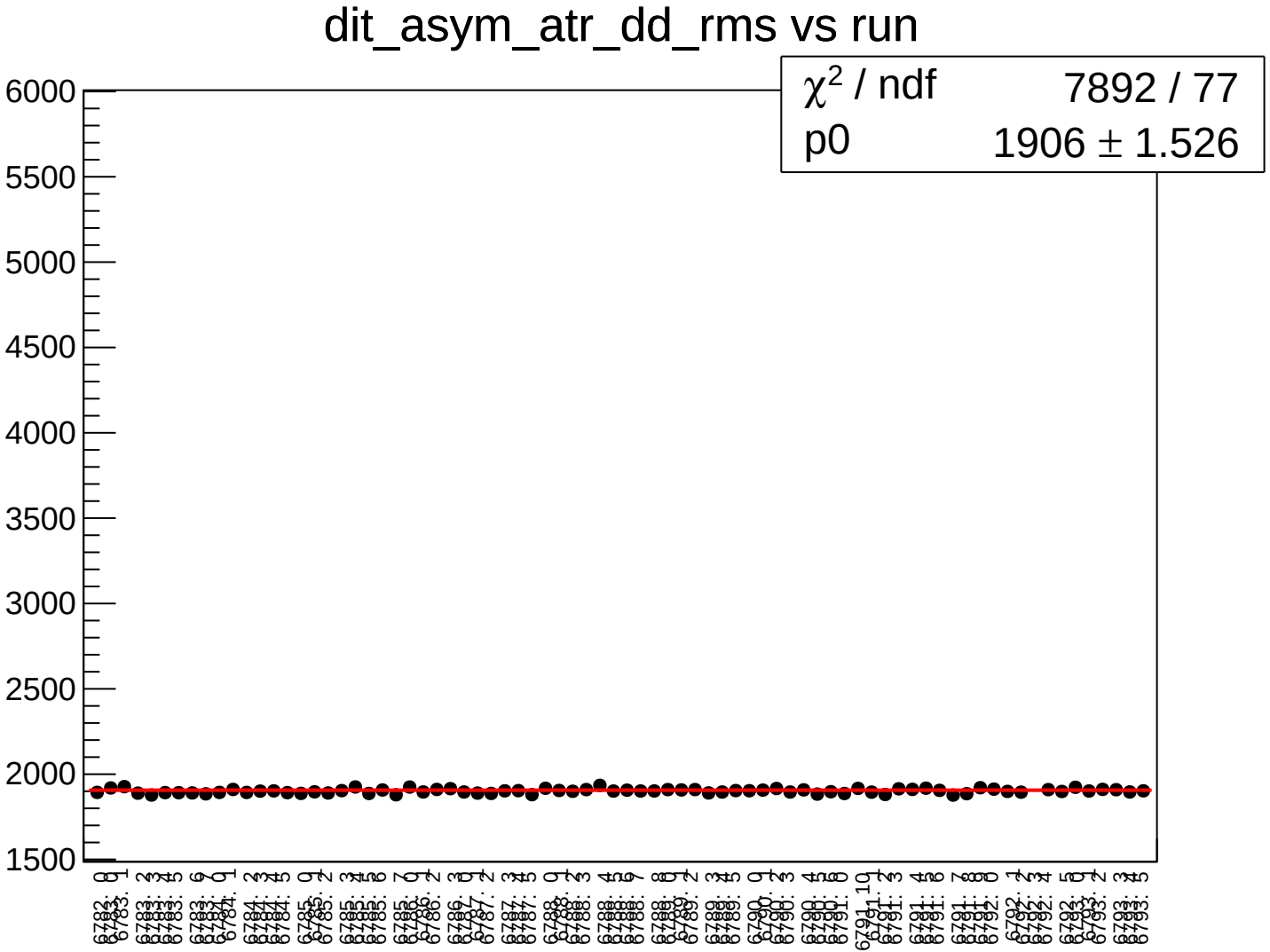

asym_atr_avg_mean vs run
×10^3
χ² / ndf 68.75 / 77
p0 760.6 ± 4589
pull
Entries 78
Mean 915.9
Std Dev 865.4

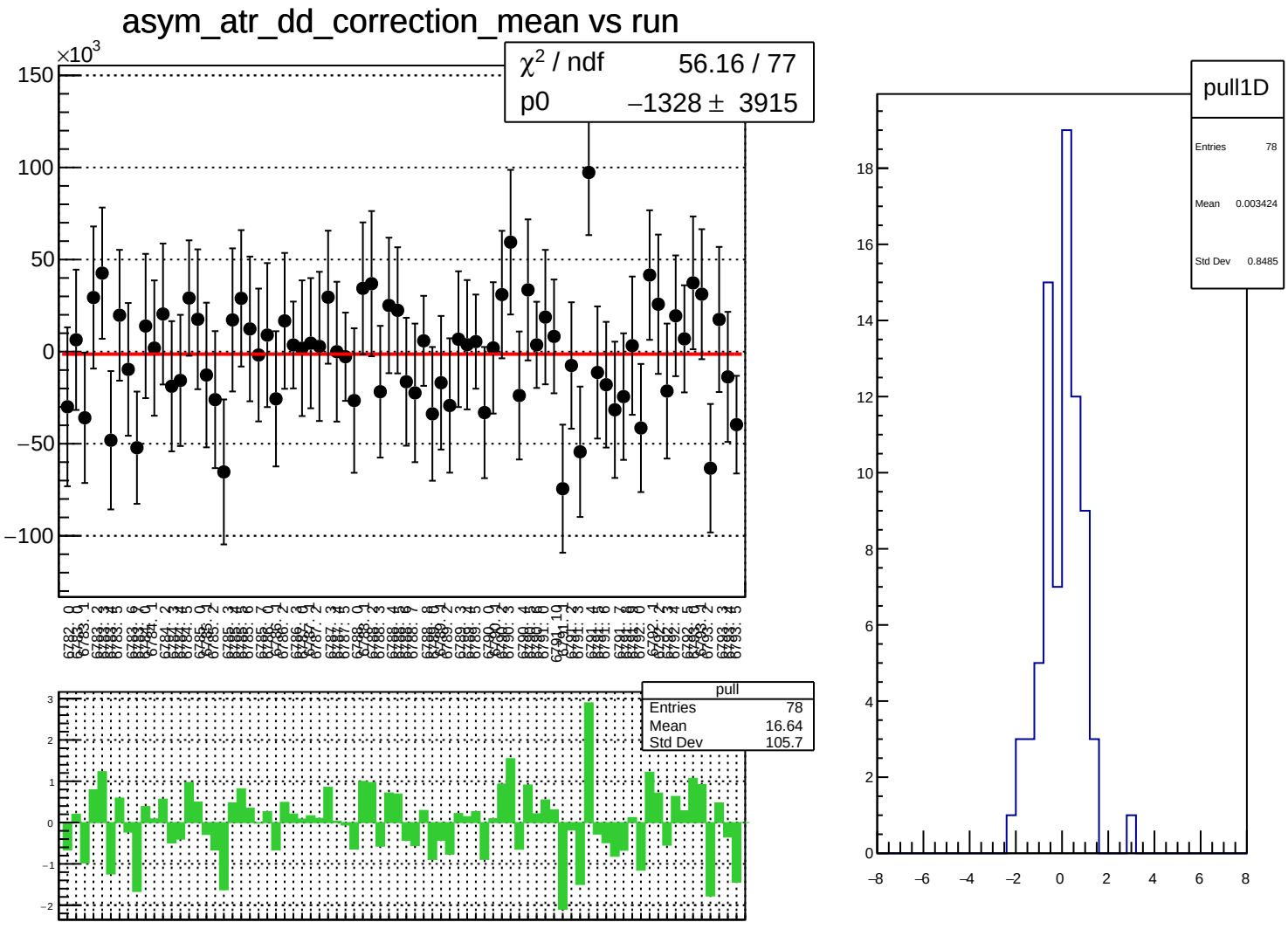

pull1D
Entries 78
Mean −0.00431
Std Dev 0.9389


asym_atr_avg_rms vs run
χ^2 / ndf 4561 / 77
p0 4056 ± 3.245
7000
6500
6000
5500
5000
4500
4000
3500

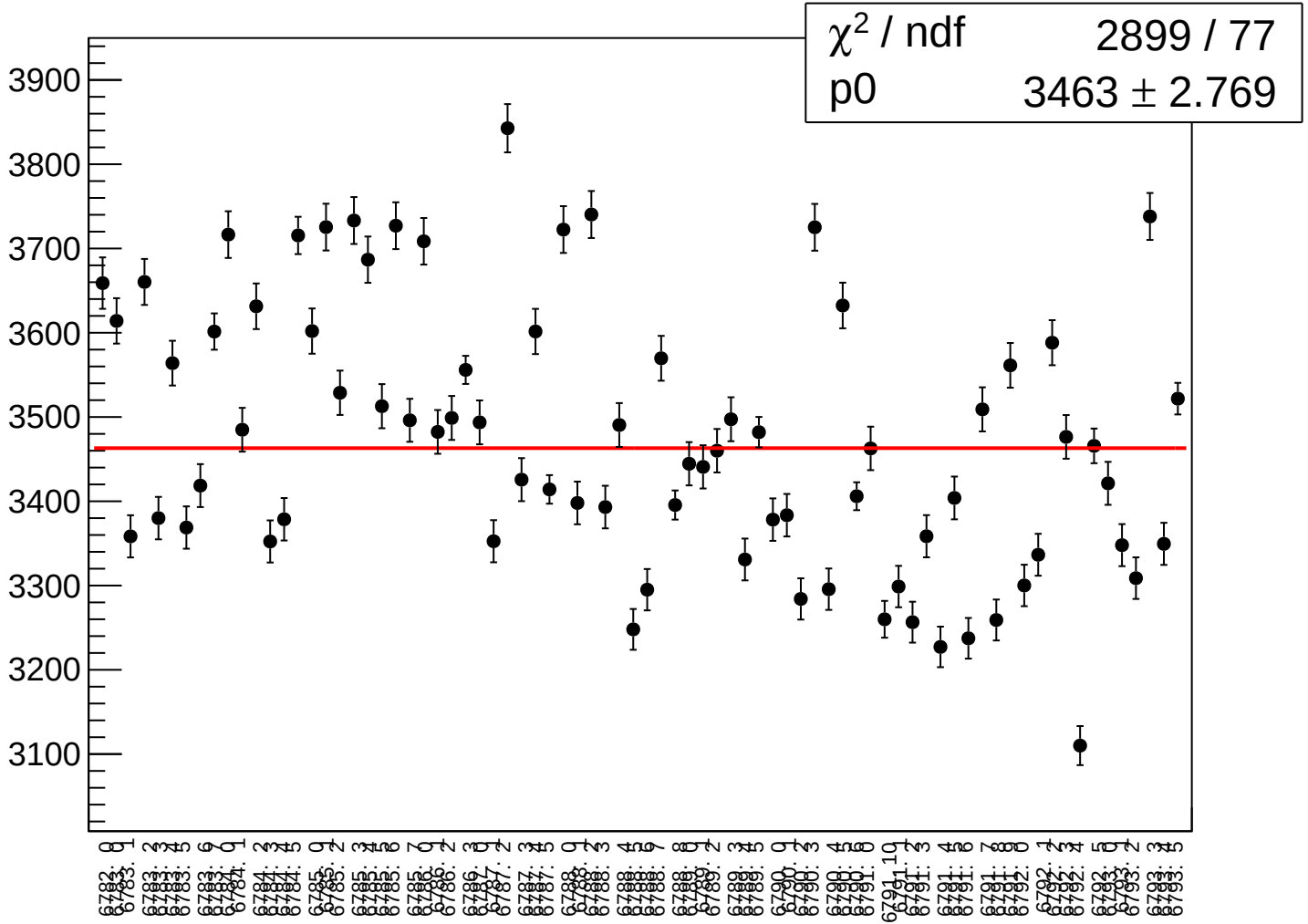

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 83.64 / 77
p0 −683.9 ± 2159
pull
Entries 78
Mean 39.99
Std Dev 50.65

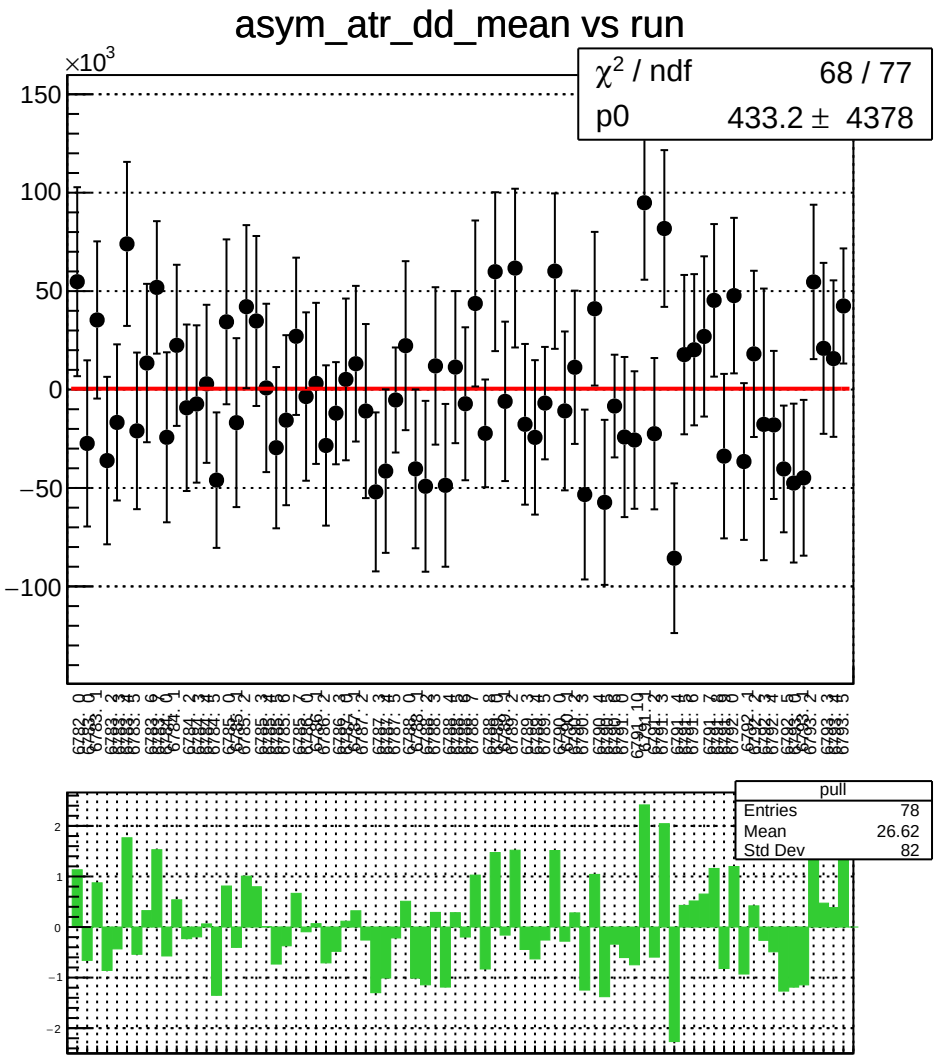

pull1D
Entries 78
Mean 0.02268
Std Dev 1.035

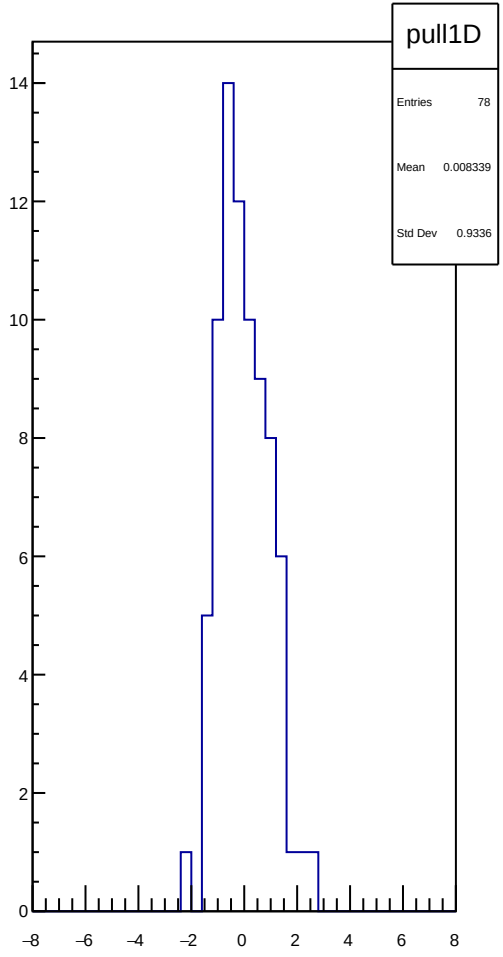

dit_asym_atr_dd_rms vs run
χ^2 / ndf 7892 / 77
p0 1906 ± 1.526
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

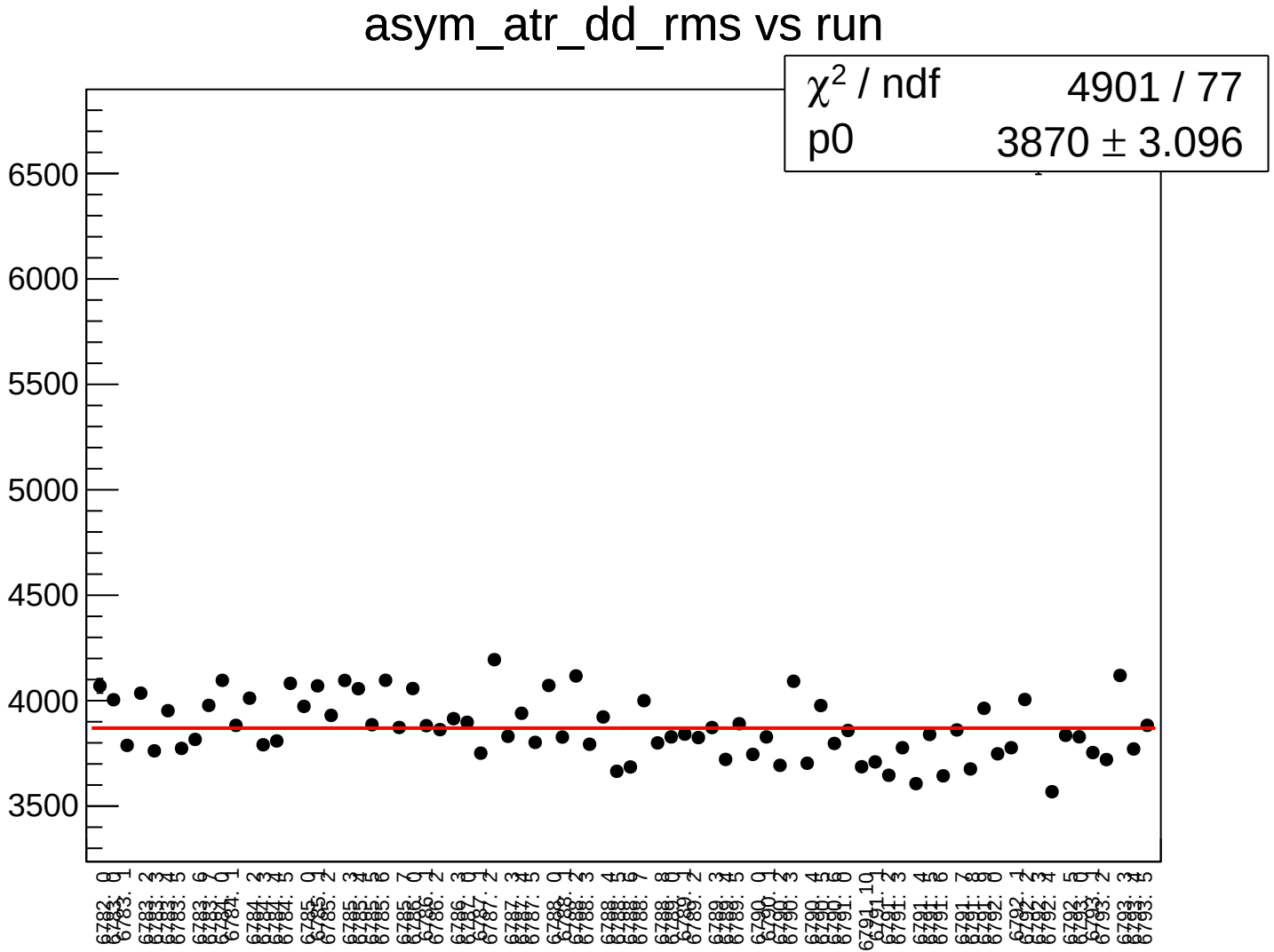

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 56.16 / 77
p0 −1328 ± 3915
pull
Entries 78
Mean 16.64
Std Dev 105.7
pull1D
Entries 78
Mean 0.003424
Std Dev 0.8485

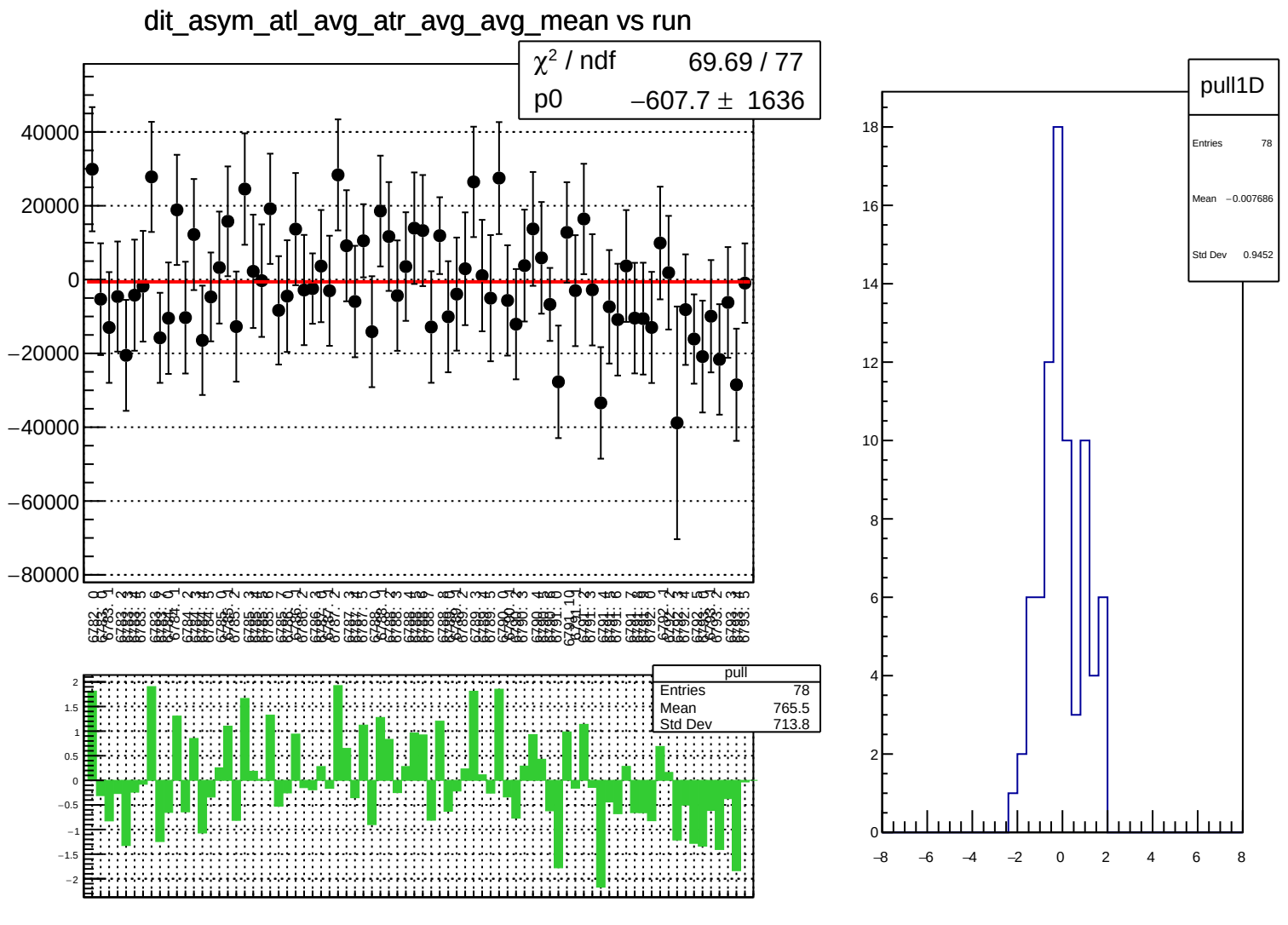
asym_atr_dd_correction_rms vs run

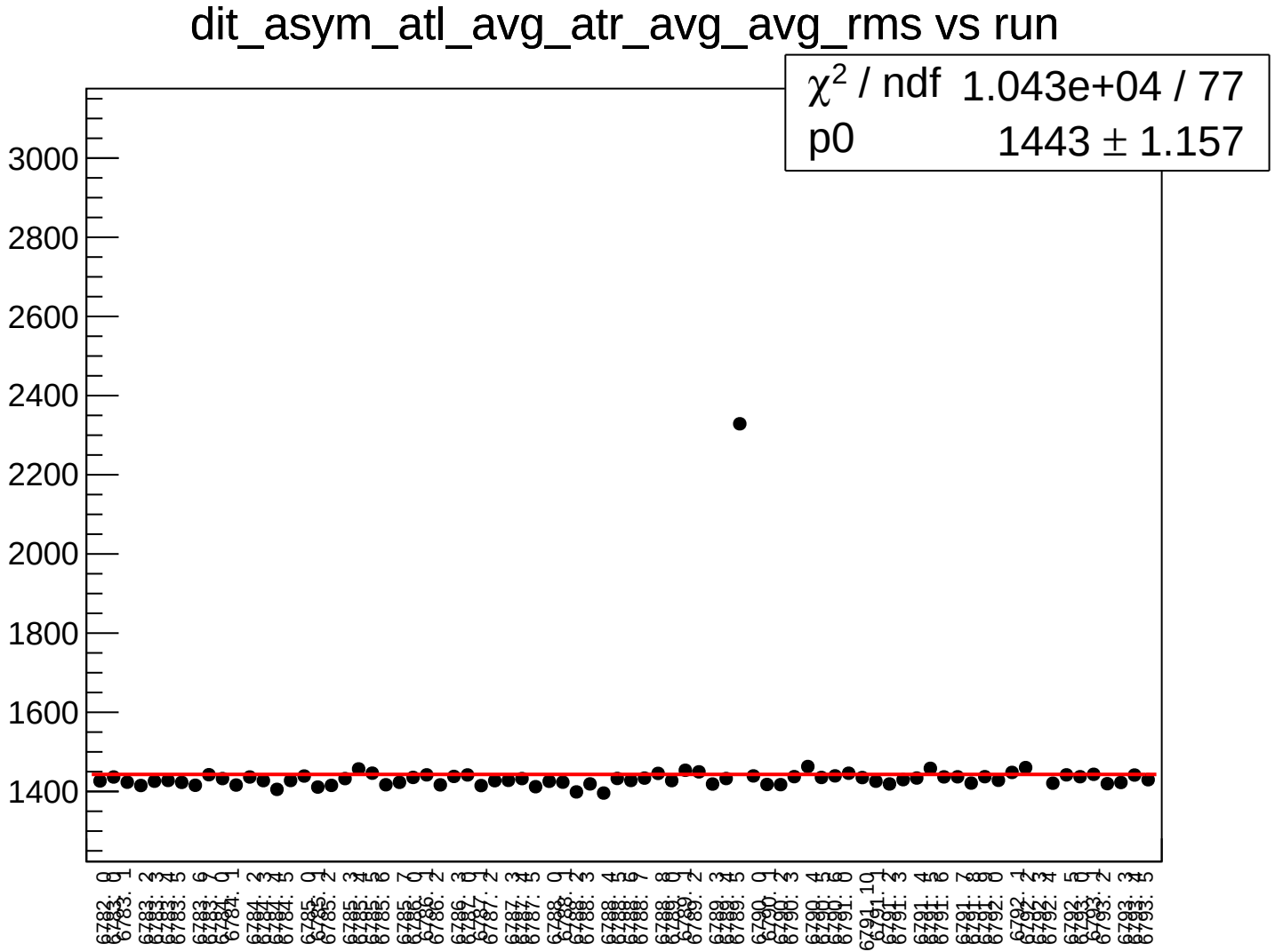


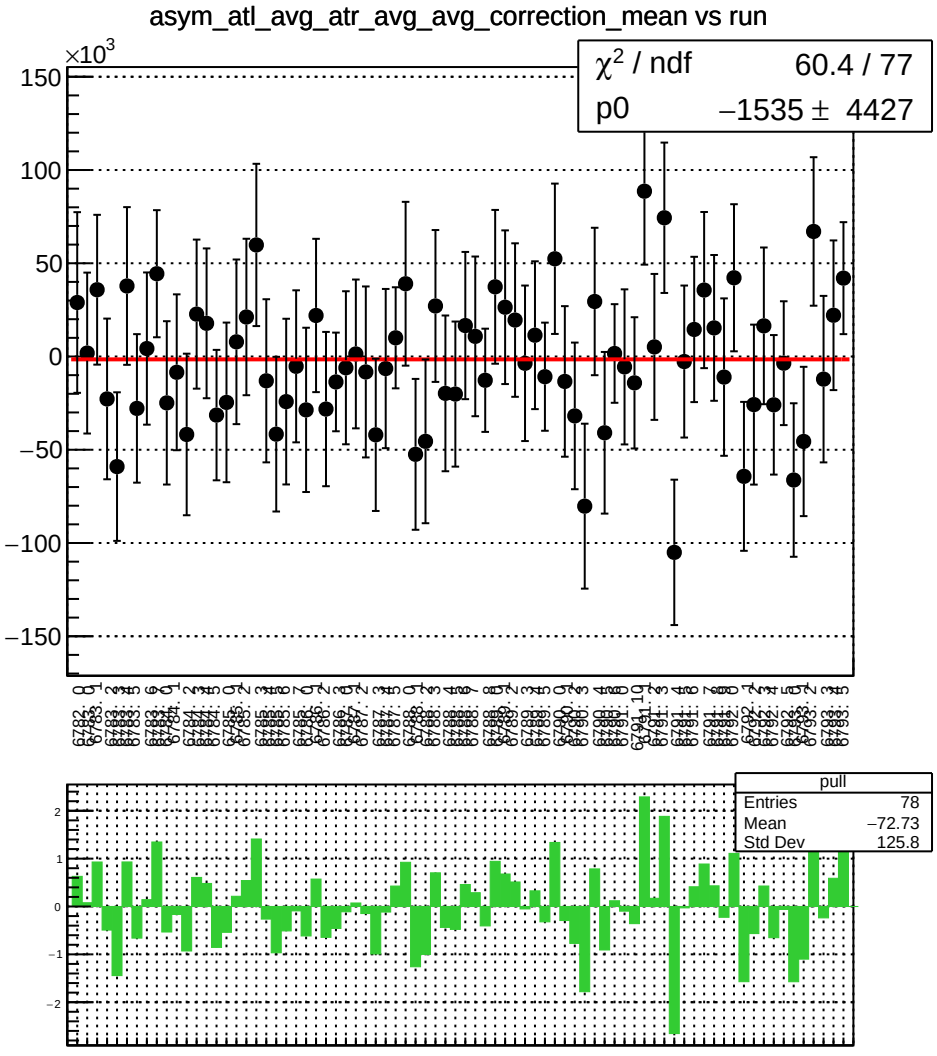

asym_atr_dd_mean vs run
×10^3
χ² / ndf 68 / 77
p0 433.2 ± 4378
150
100
50
0
−50
−100
pull
Entries 78
Mean 26.62
Std Dev 82
2
1
0
−1
−2

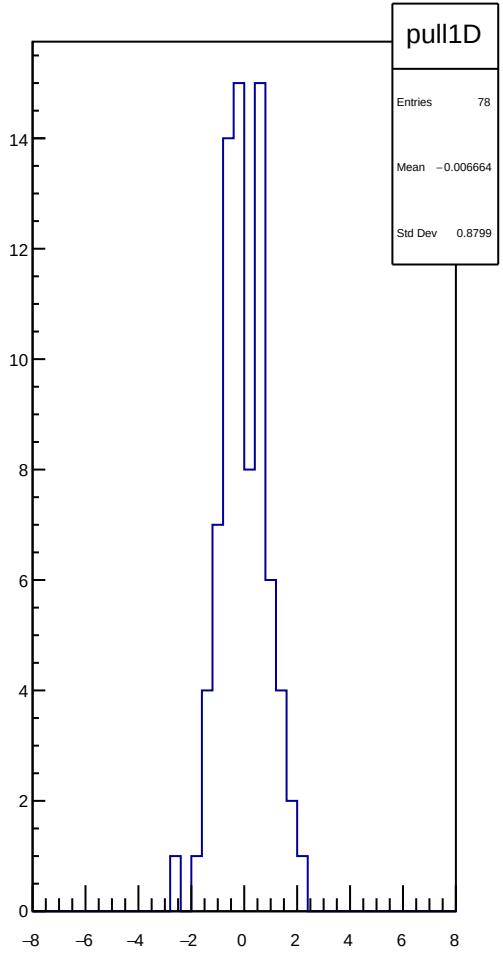

pull1D
Entries 78
Mean 0.008339
Std Dev 0.9336
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

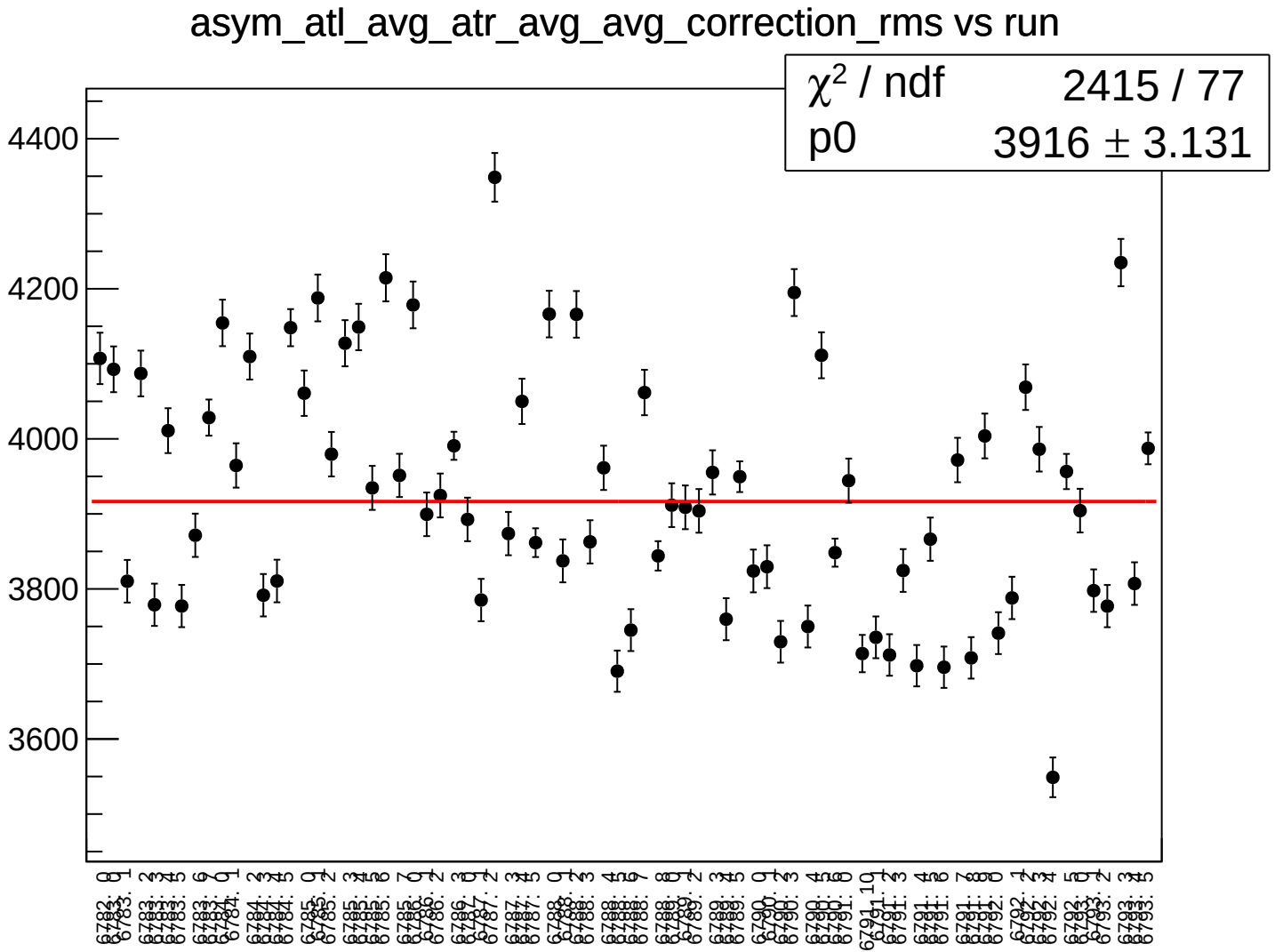

asym_atr_dd_rms vs run
χ² / ndf 4901 / 77
p0 3870 ± 3.096
6500
6000
5500
5000
4500
4000
3500

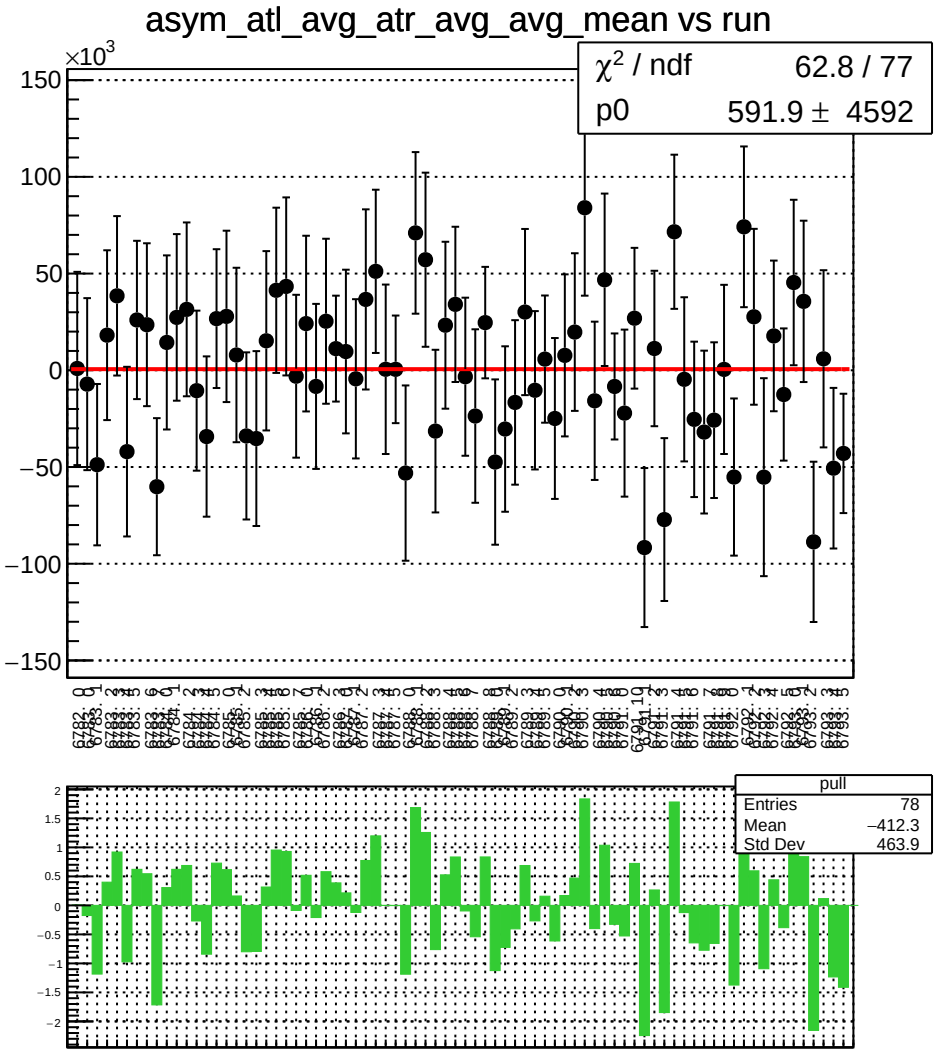

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 69.69 / 77
p0 −607.7 ± 1636
pull
Entries 78
Mean 765.5
Std Dev 713.8
pull1D
Entries 78
Mean −0.007686
Std Dev 0.9452

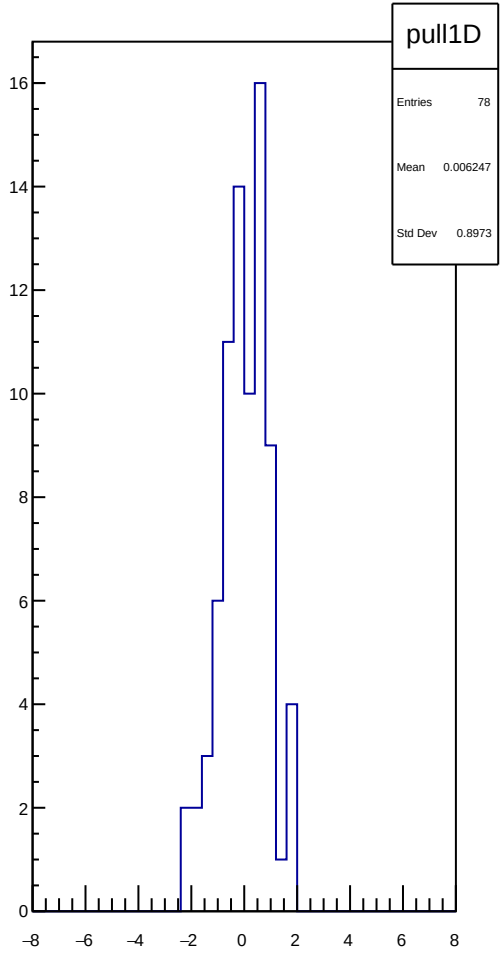

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.043e+04 / 77
p0 1443 ± 1.157
3000
2800
2600
2400
2200
2000
1800
1600
1400

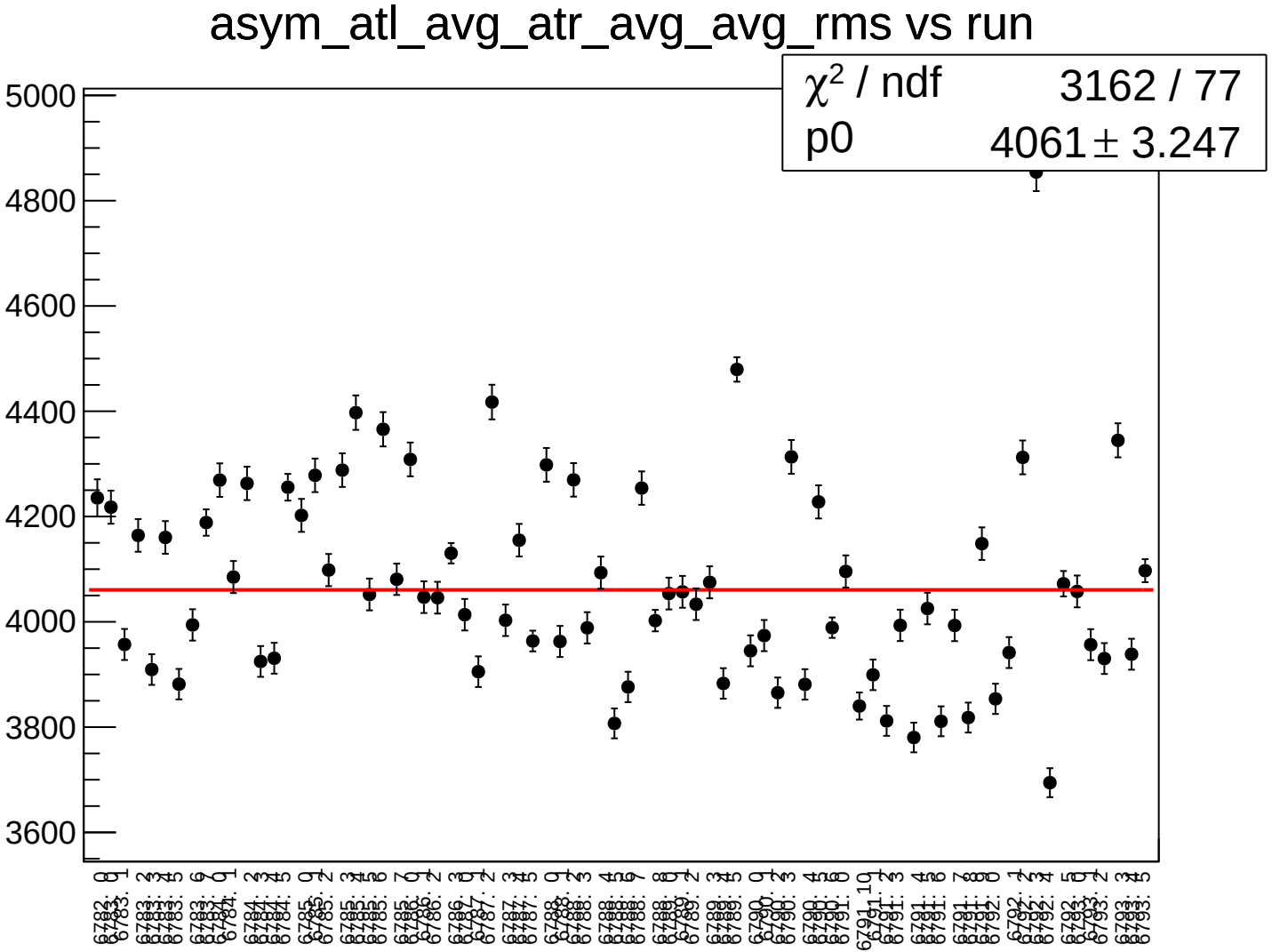

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 60.4 / 77
p0 −1535 ± 4427
pull
Entries 78
Mean −72.73
Std Dev 125.8

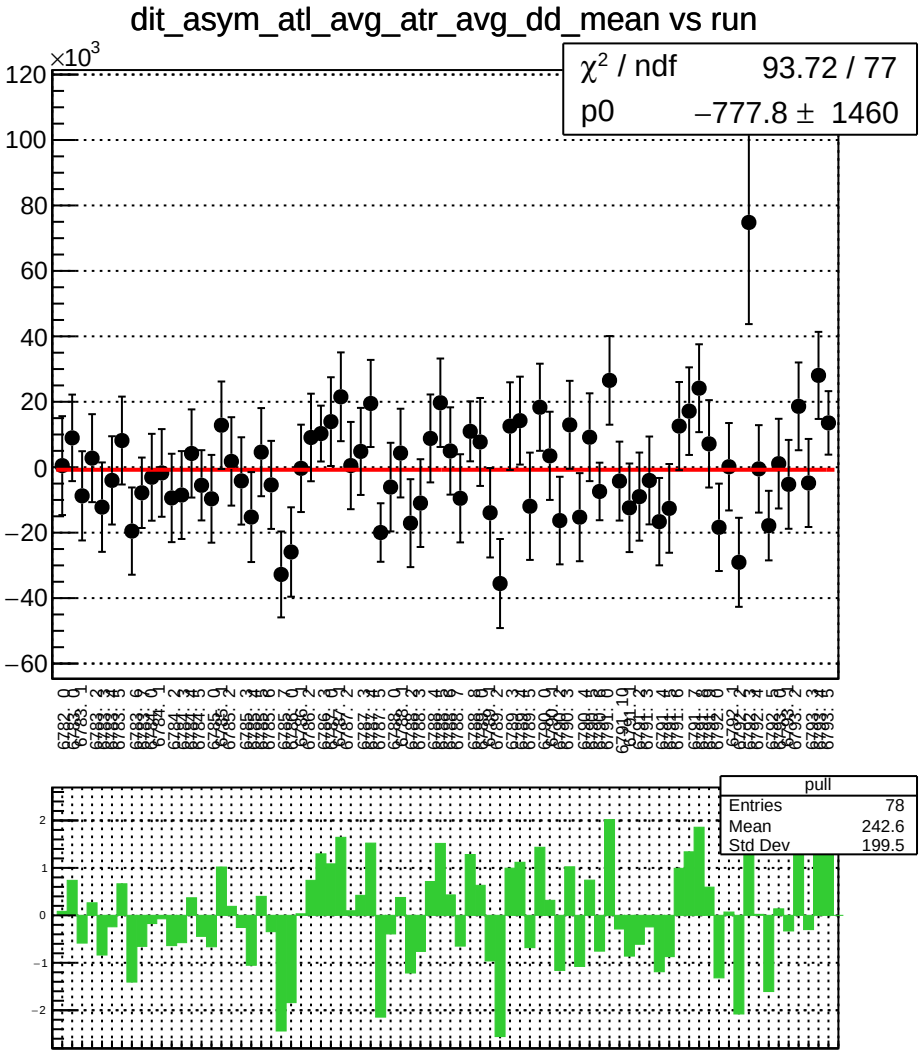

pull1D
Entries 78
Mean −0.006664
Std Dev 0.8799

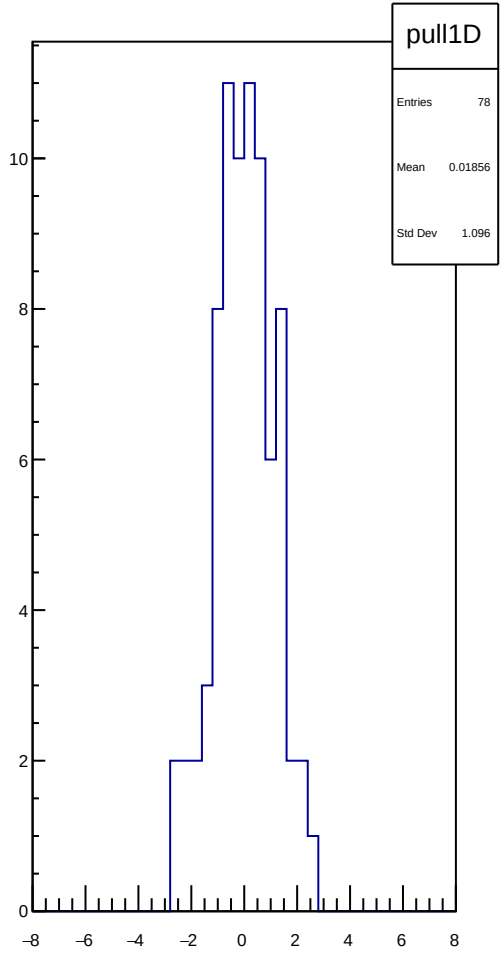

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2415 / 77
p0 3916 ± 3.131
4400
4200
4000
3800
3600

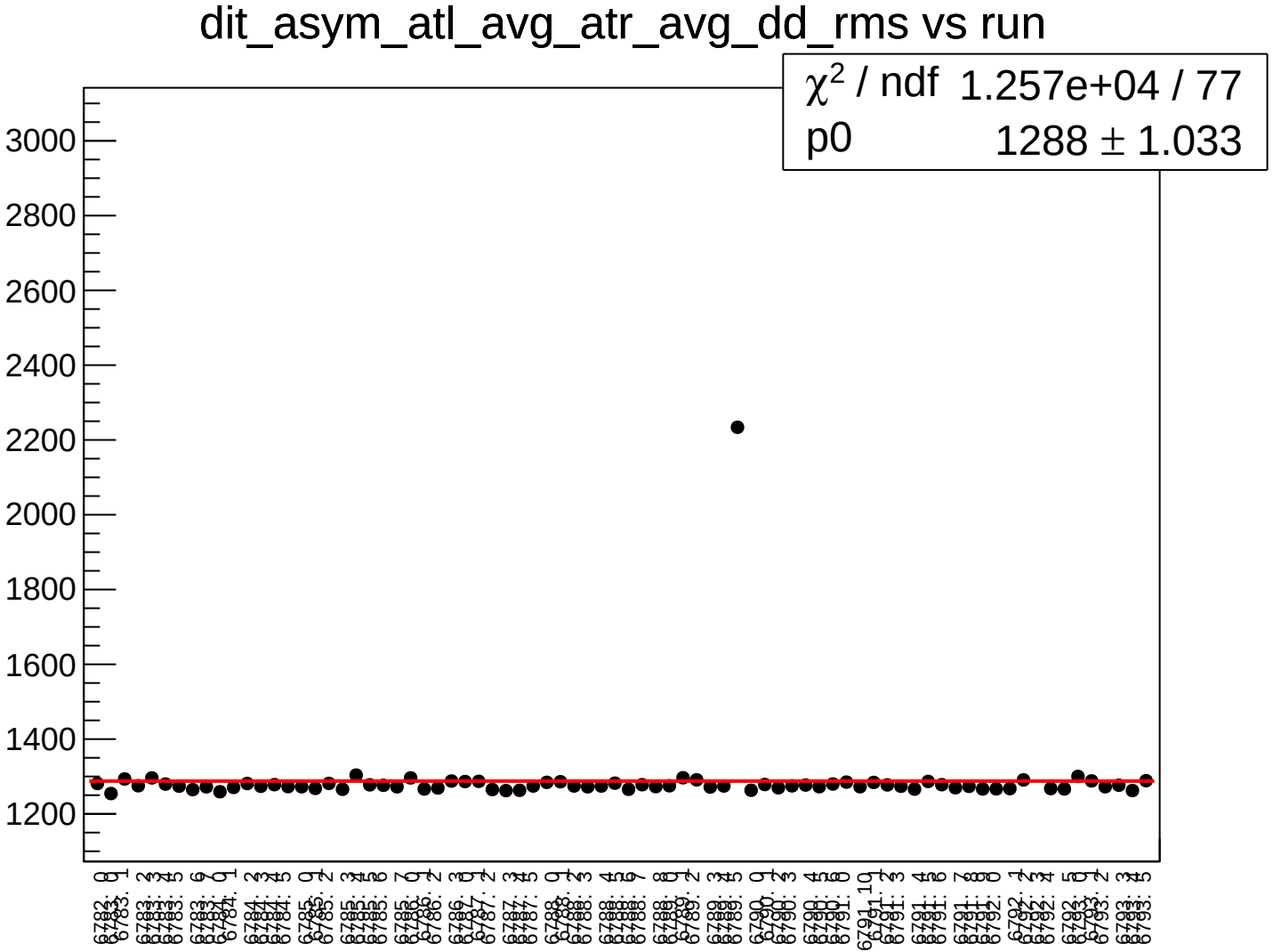

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 62.8 / 77
p0 591.9 ± 4592
pull
Entries 78
Mean −412.3
Std Dev 463.9

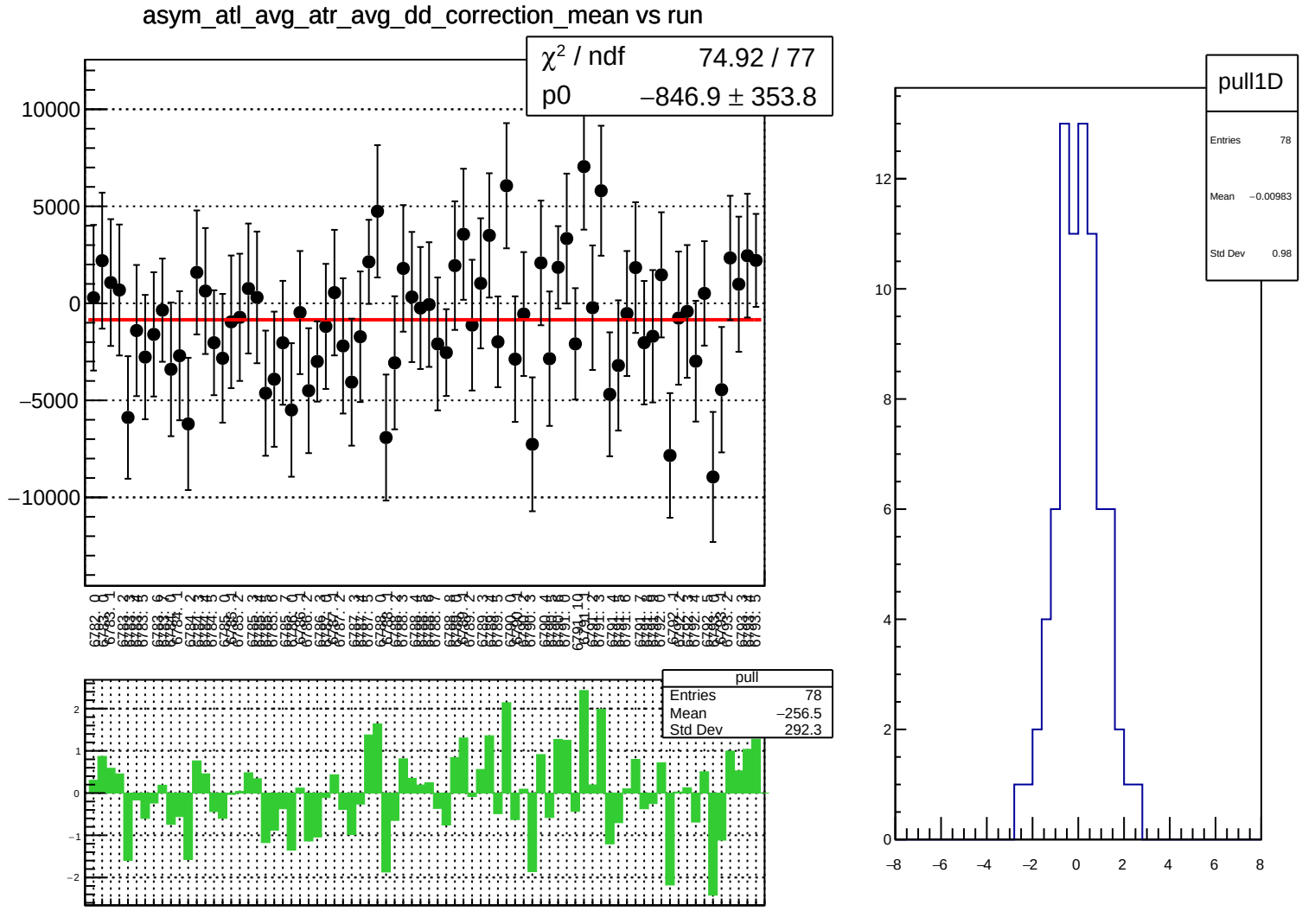

pull1D
Entries 78
Mean 0.006247
Std Dev 0.8973

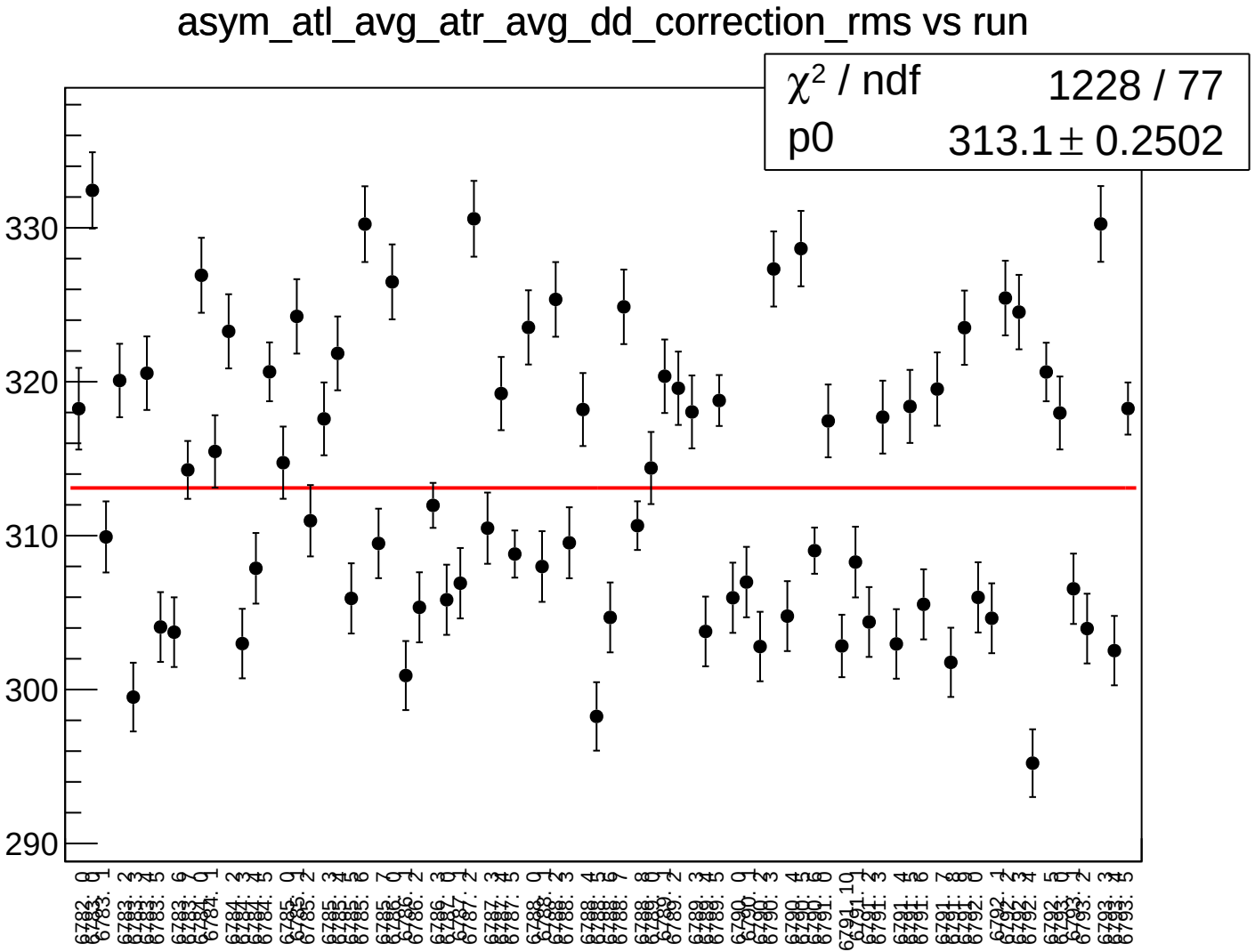

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 3162 / 77
p0 4061 ± 3.247
5000
4800
4600
4400
4200
4000
3800
3600

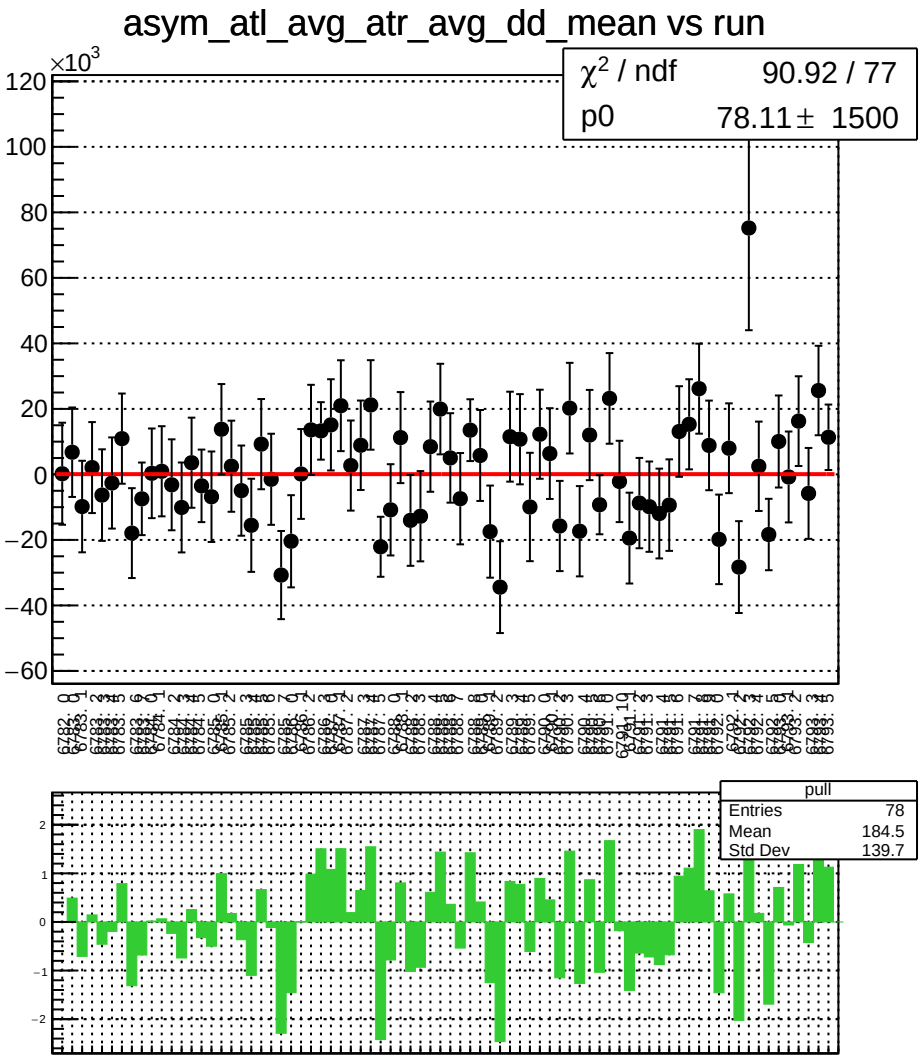

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 93.72 / 77
p0 −777.8 ± 1460
×10^3
pull
Entries 78
Mean 242.6
Std Dev 199.5

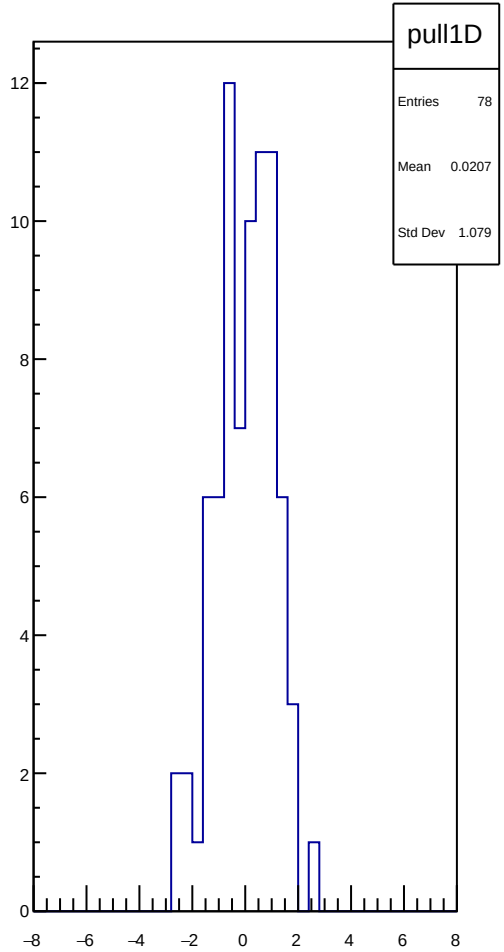

pull1D
Entries 78
Mean 0.01856
Std Dev 1.096


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ2 / ndf 1.257e+04 / 77
p0 1288 ± 1.033
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

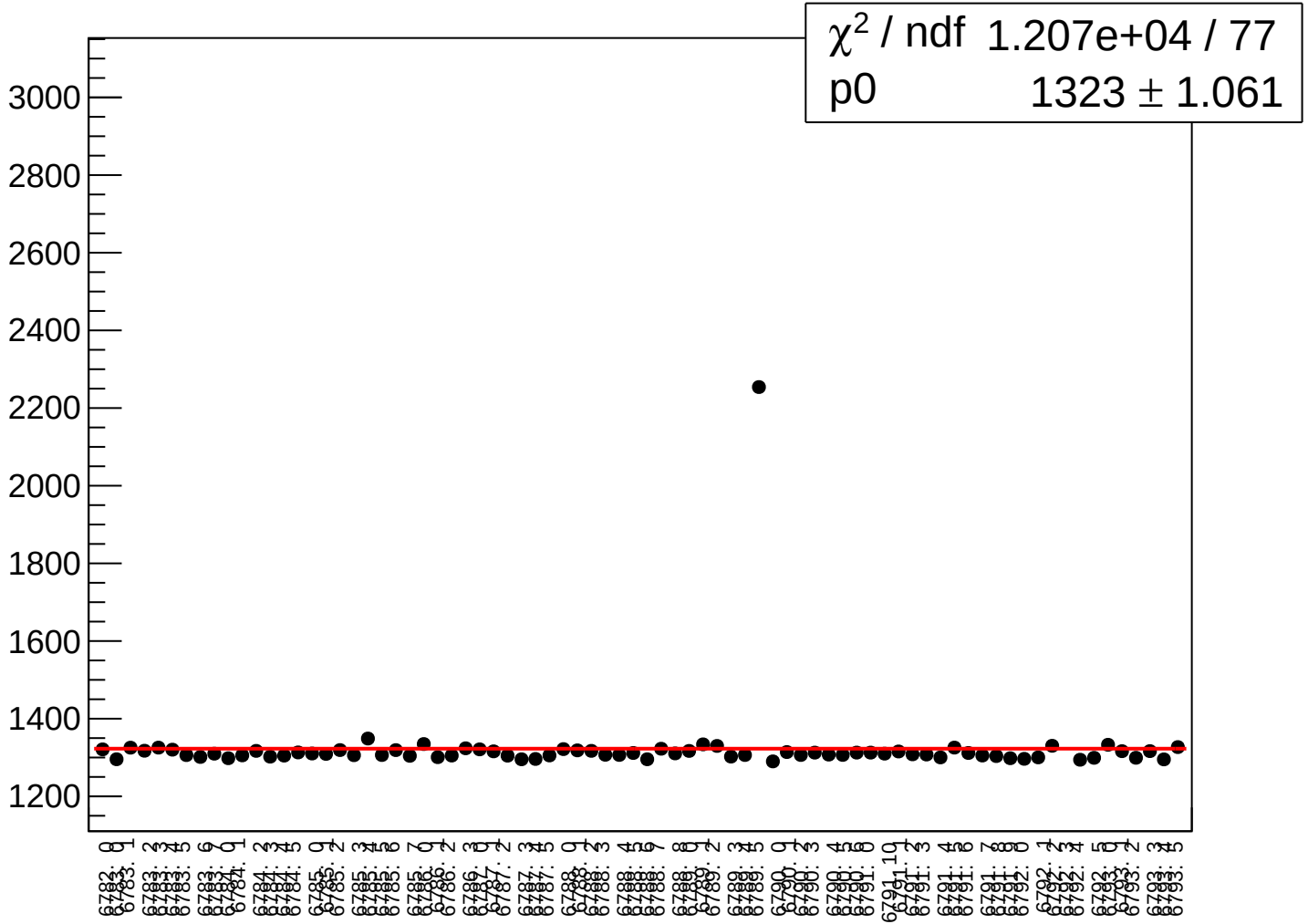

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 74.92 / 77
p0 −846.9 ± 353.8
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −256.5
Std Dev 292.3
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.00983
Std Dev 0.98
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

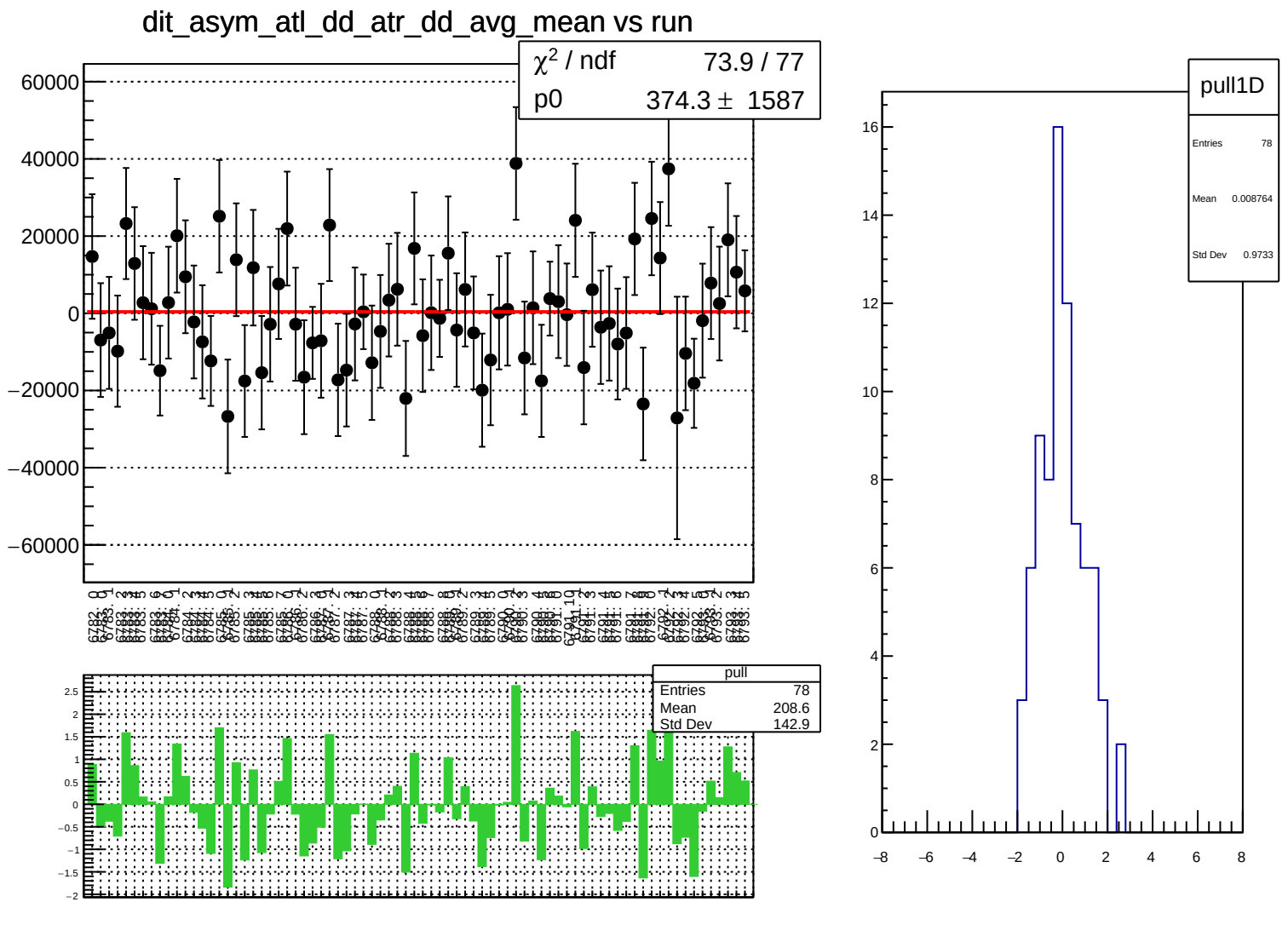

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 1228 / 77
p0 313.1 ± 0.2502
330
320
310
300
290


asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 90.92 / 77
p0 78.11 ± 1500
pull
Entries 78
Mean 184.5
Std Dev 139.7

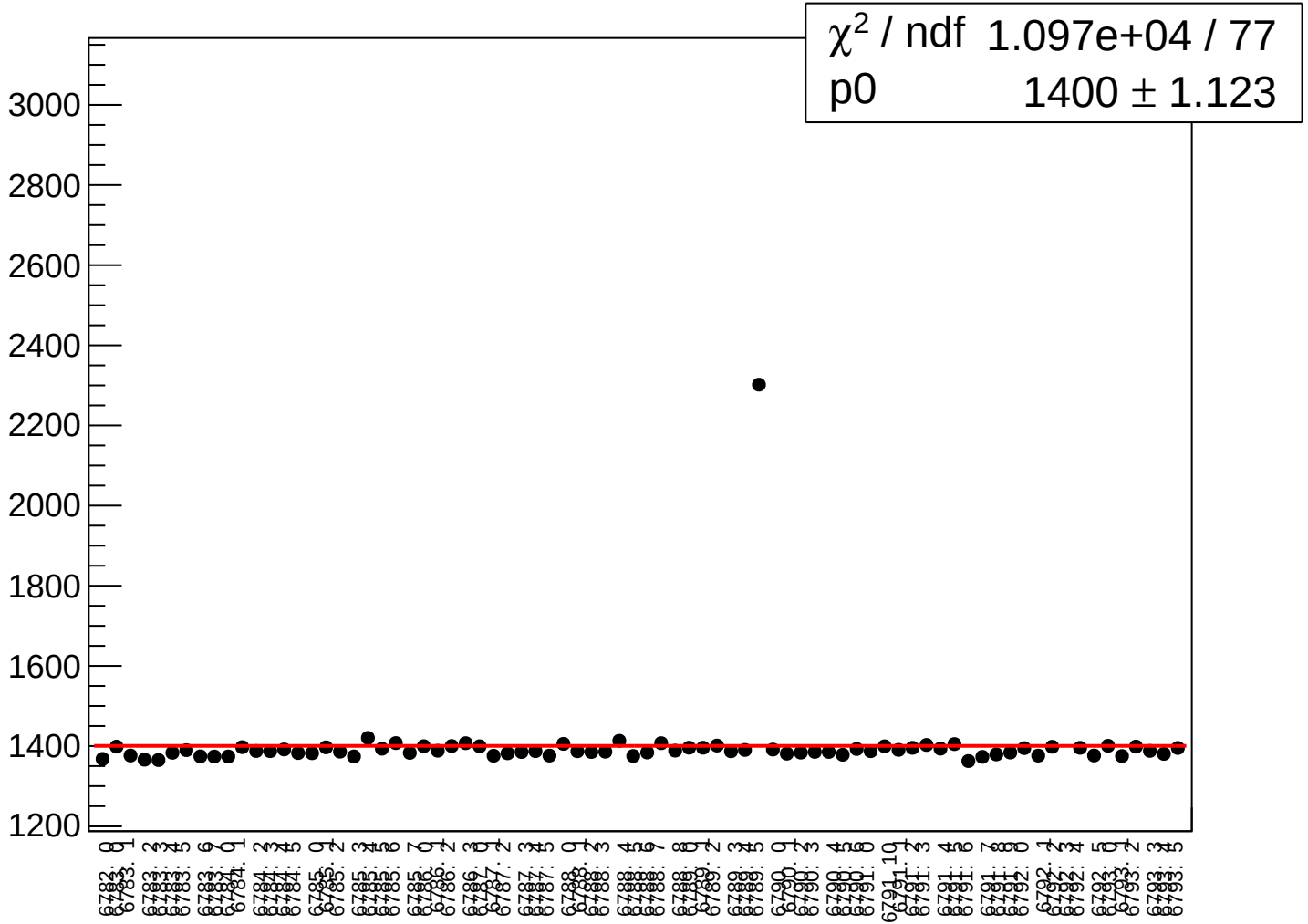

pull1D
Entries 78
Mean 0.0207
Std Dev 1.079

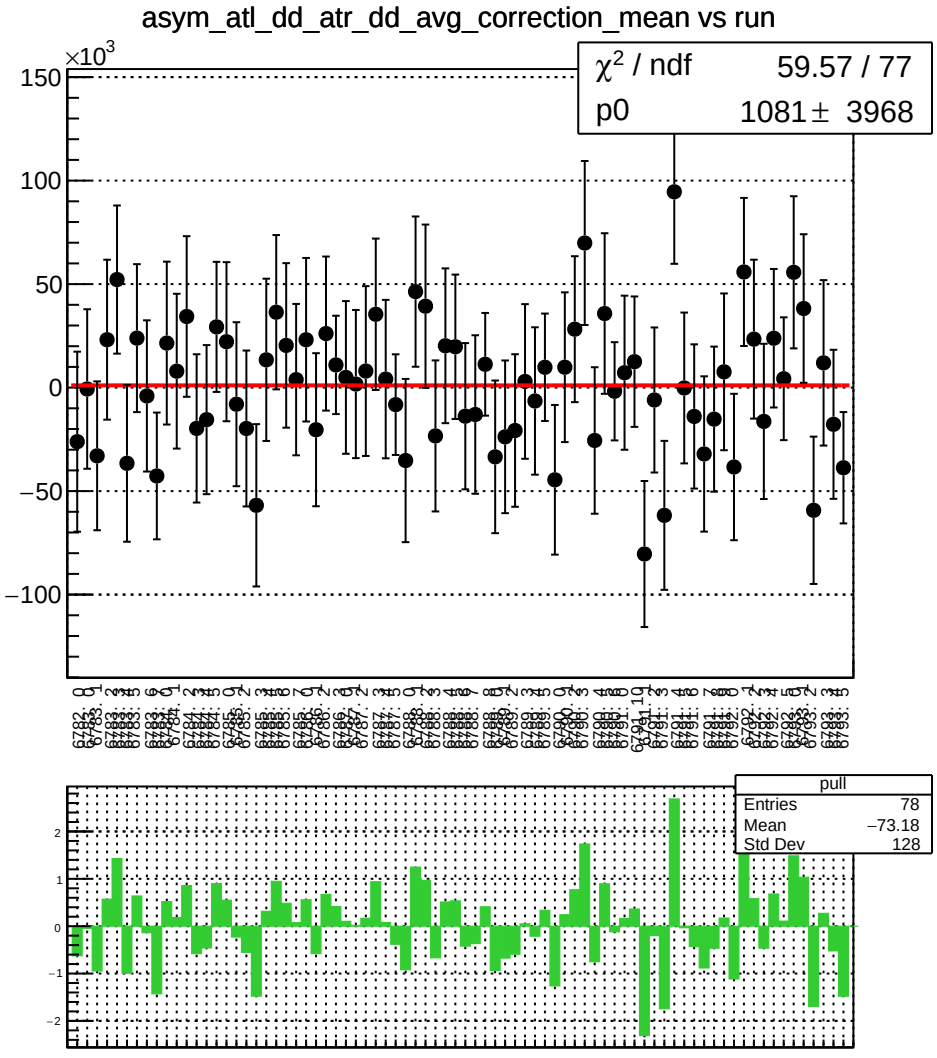
asym_atl_avg_atr_avg_dd_rms vs run

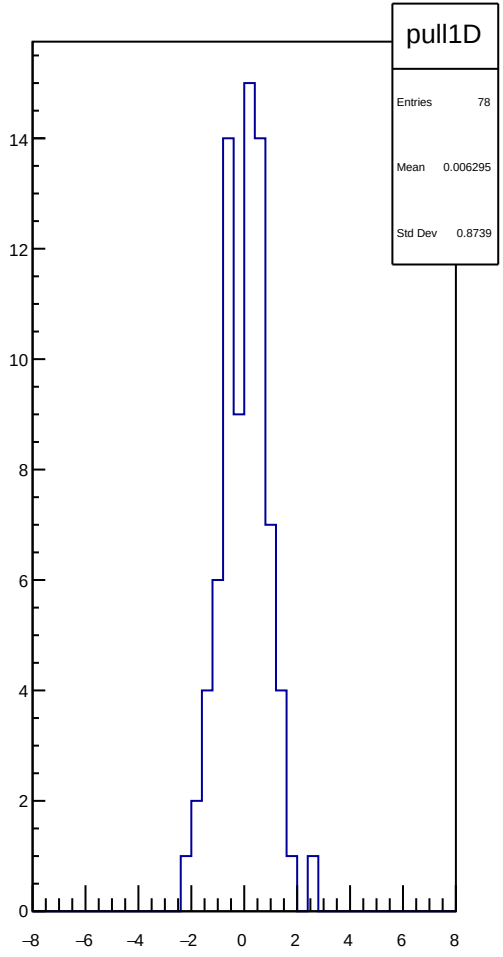


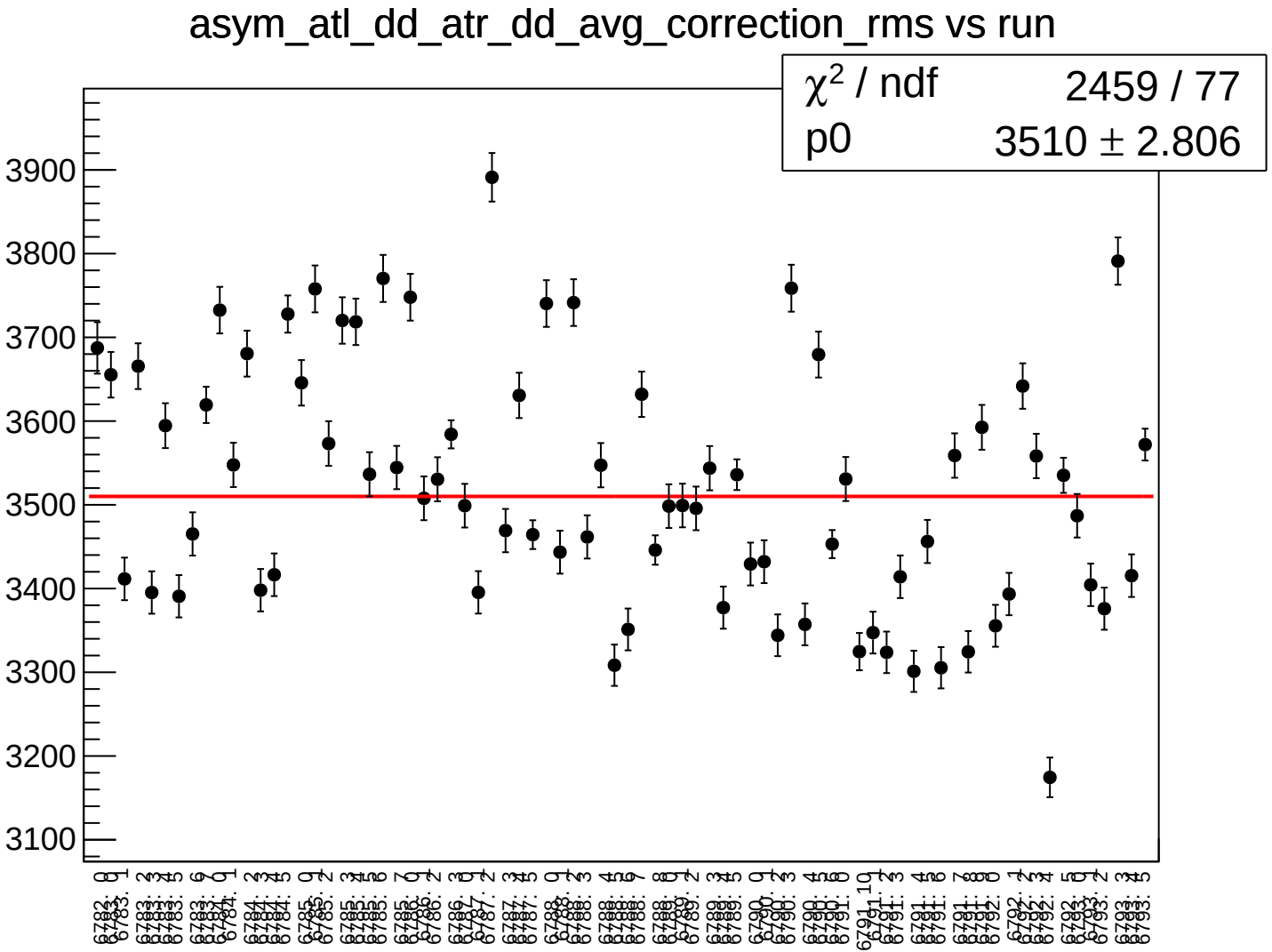

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 73.9 / 77
p0 374.3 ± 1587
pull
Entries 78
Mean 208.6
Std Dev 142.9
pull1D
Entries 78
Mean 0.008764
Std Dev 0.9733

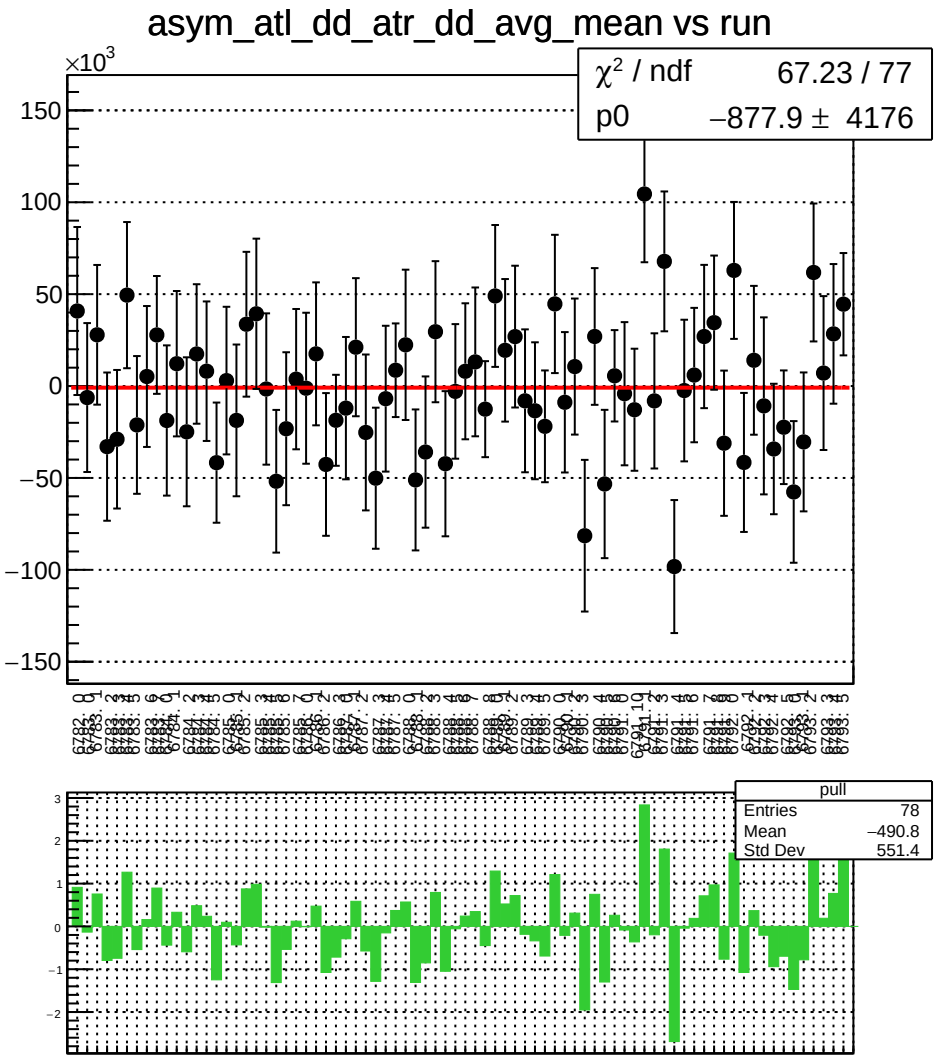
dit_asym_atl_dd_atr_dd_avg_rms vs run

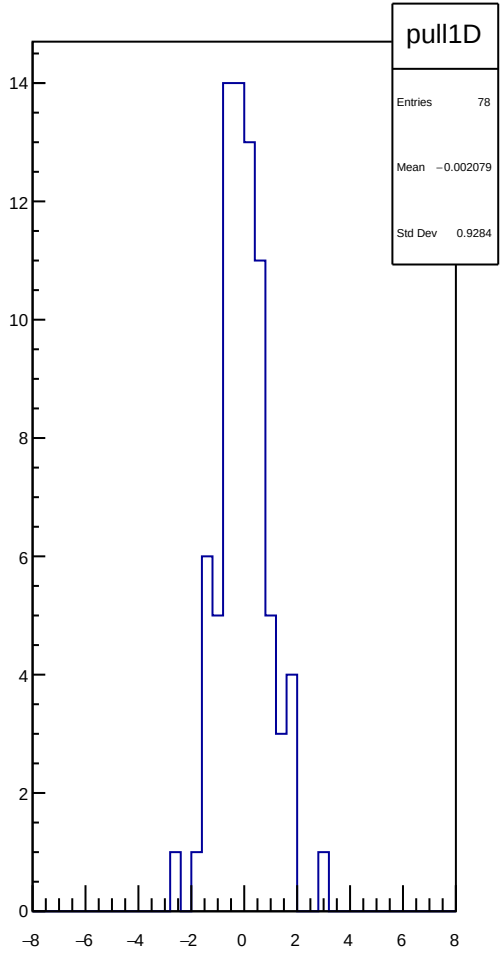


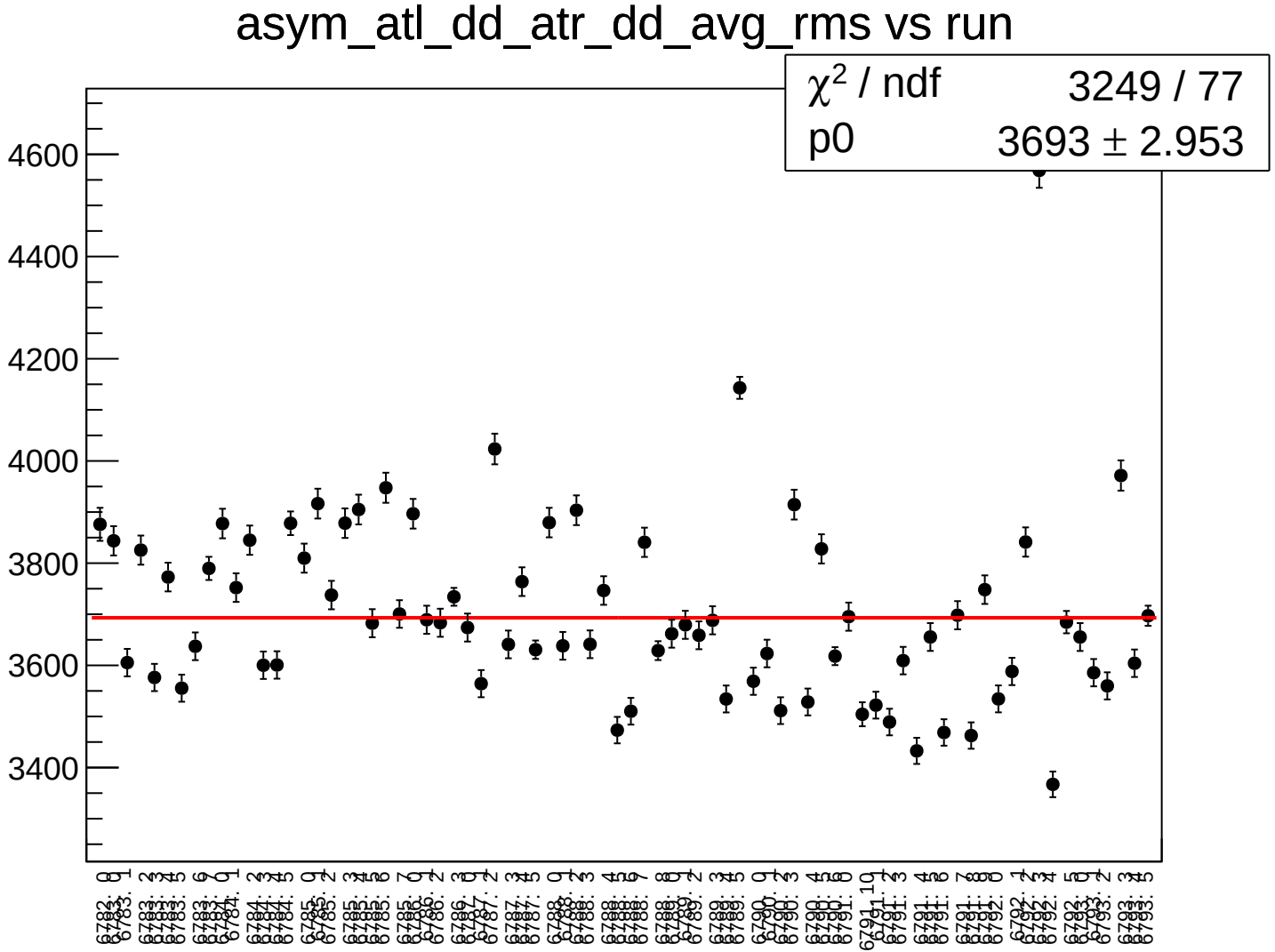

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 59.57 / 77
p0 1081 ± 3968
pull
Entries 78
Mean −73.18
Std Dev 128

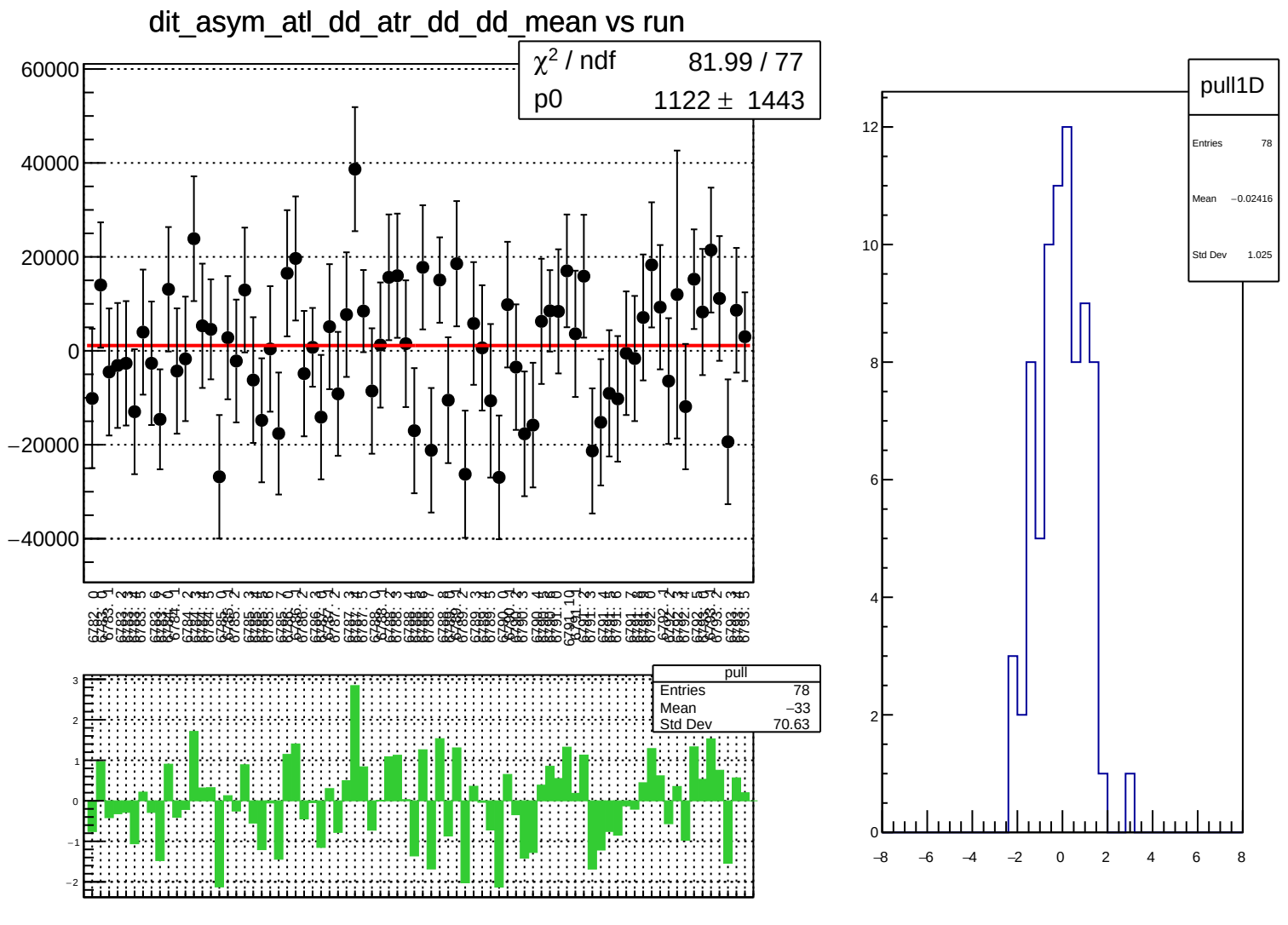

pull1D
Entries 78
Mean 0.006295
Std Dev 0.8739


asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 2459 / 77
p0 3510 ± 2.806
3900
3800
3700
3600
3500
3400
3300
3200
3100

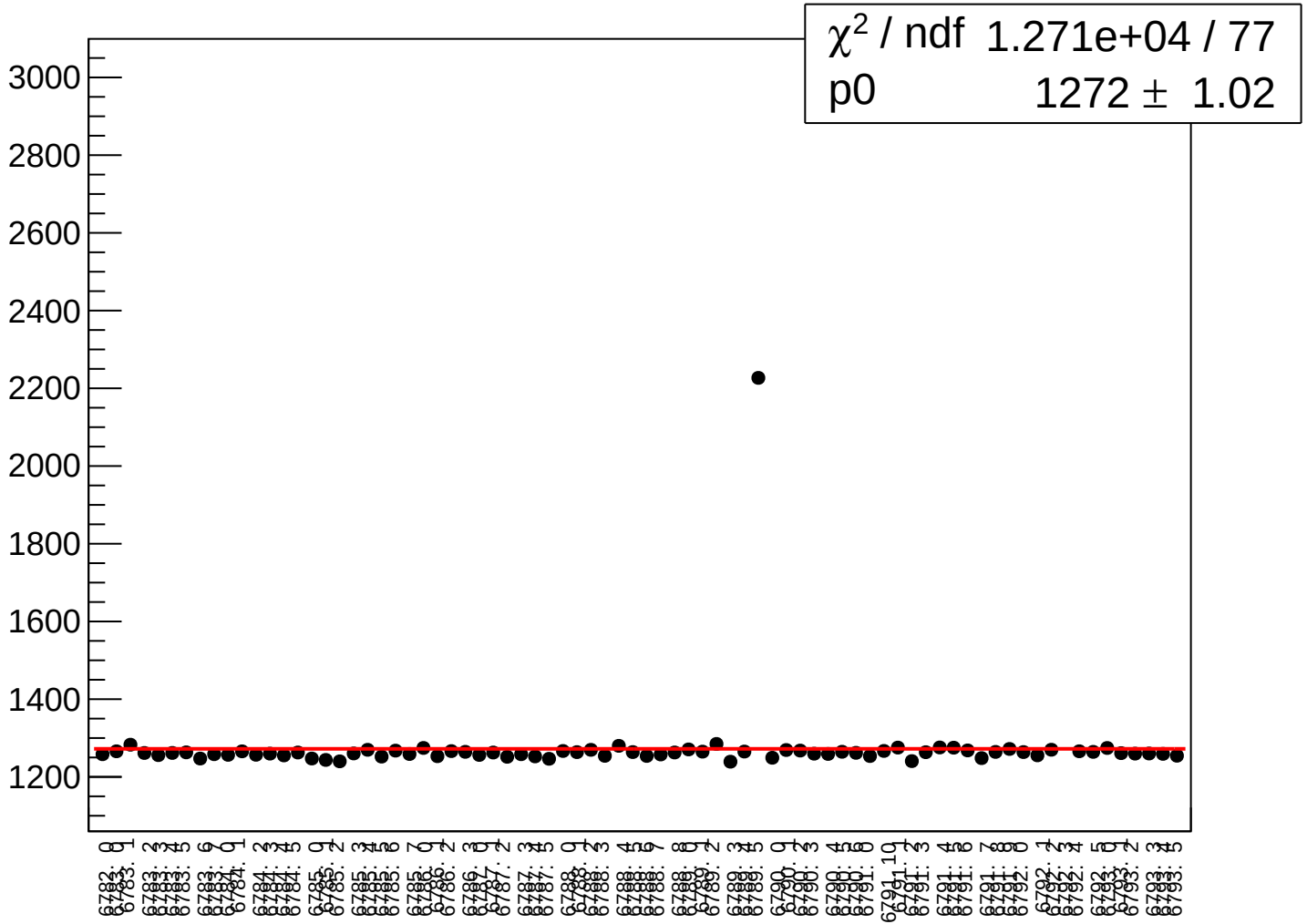

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 67.23 / 77
p0 −877.9 ± 4176
pull
Entries 78
Mean −490.8
Std Dev 551.4

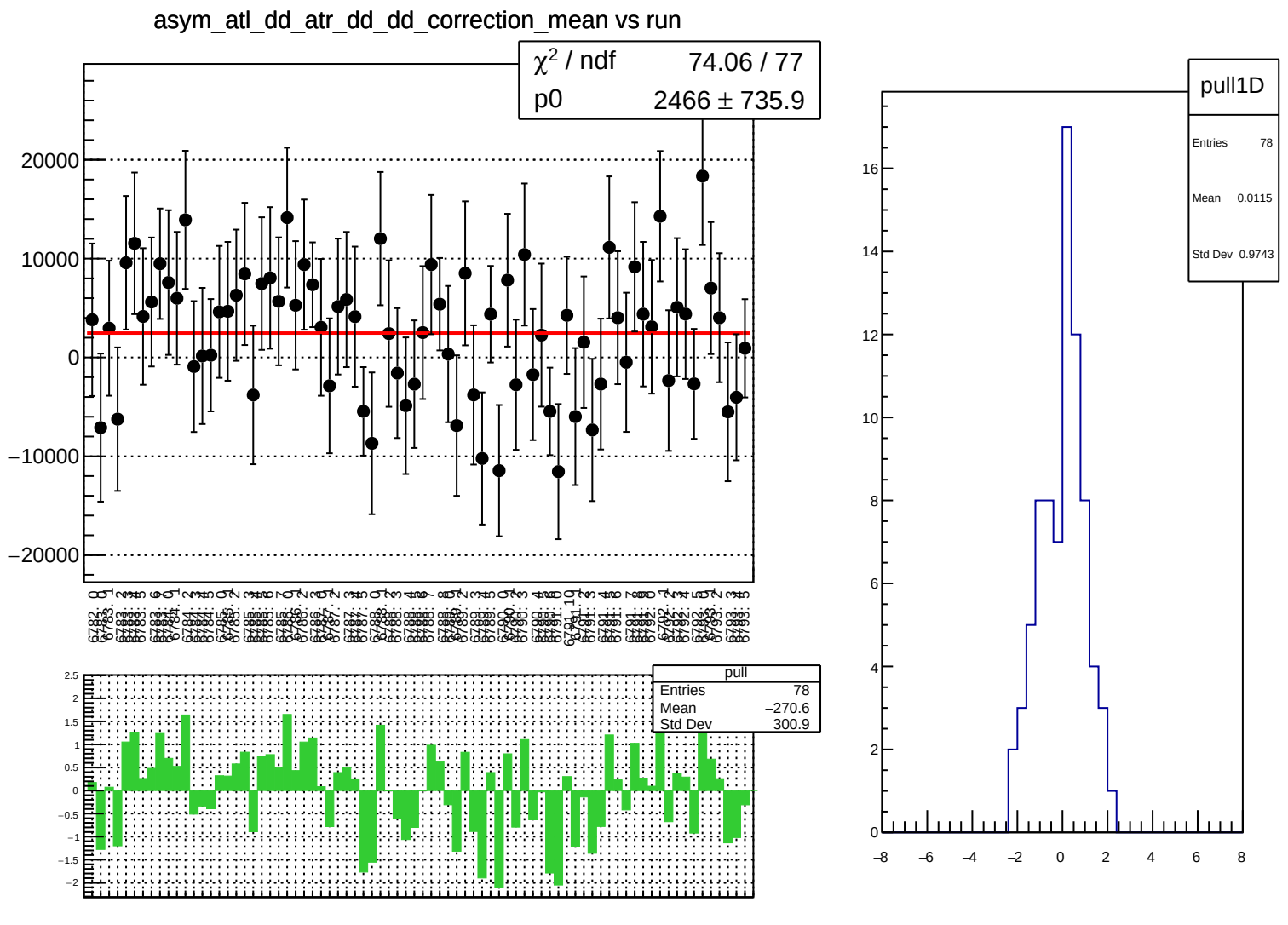

pull1D
Entries 78
Mean −0.002079
Std Dev 0.9284

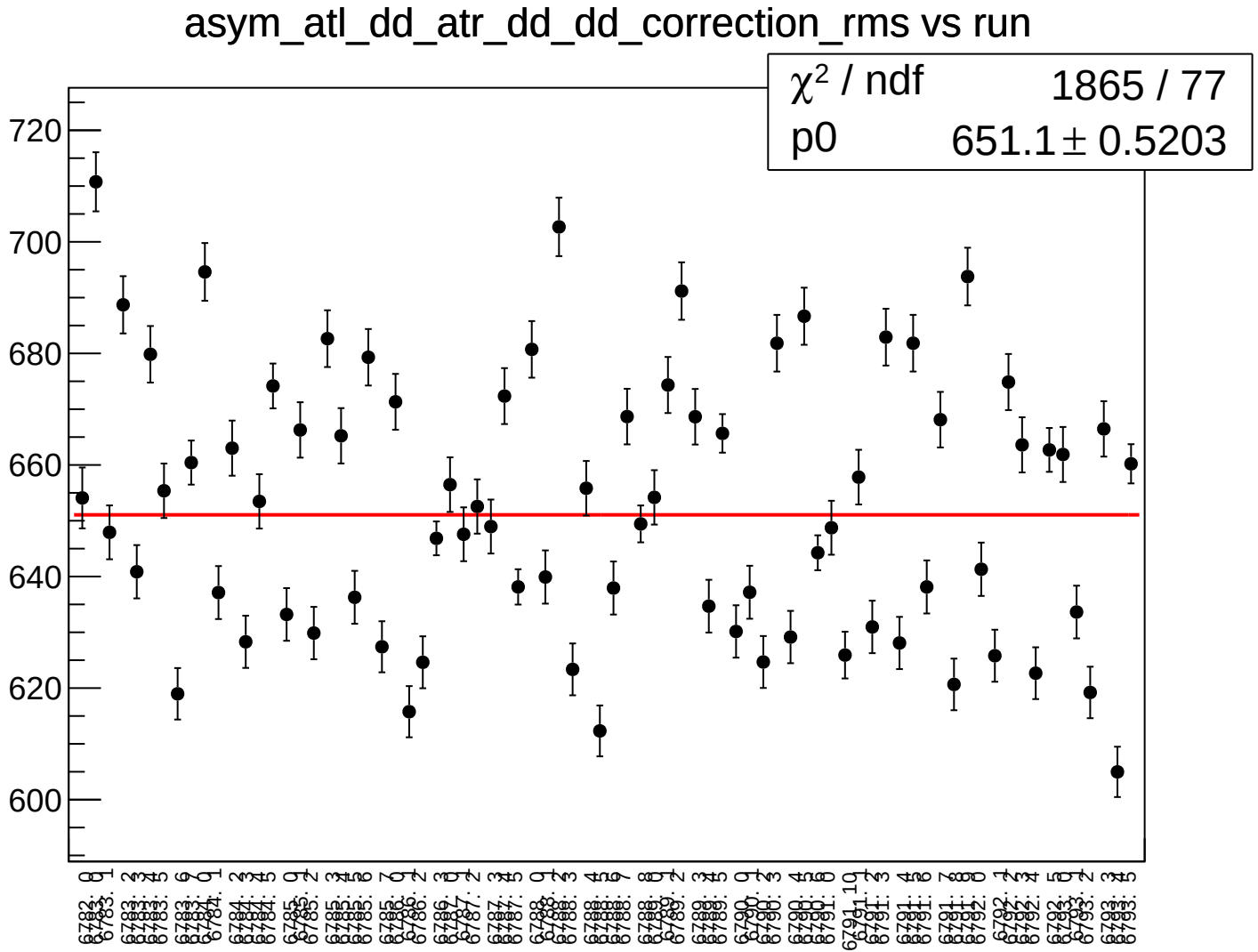

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3249 / 77
p0 3693 ± 2.953
4600
4400
4200
4000
3800
3600
3400

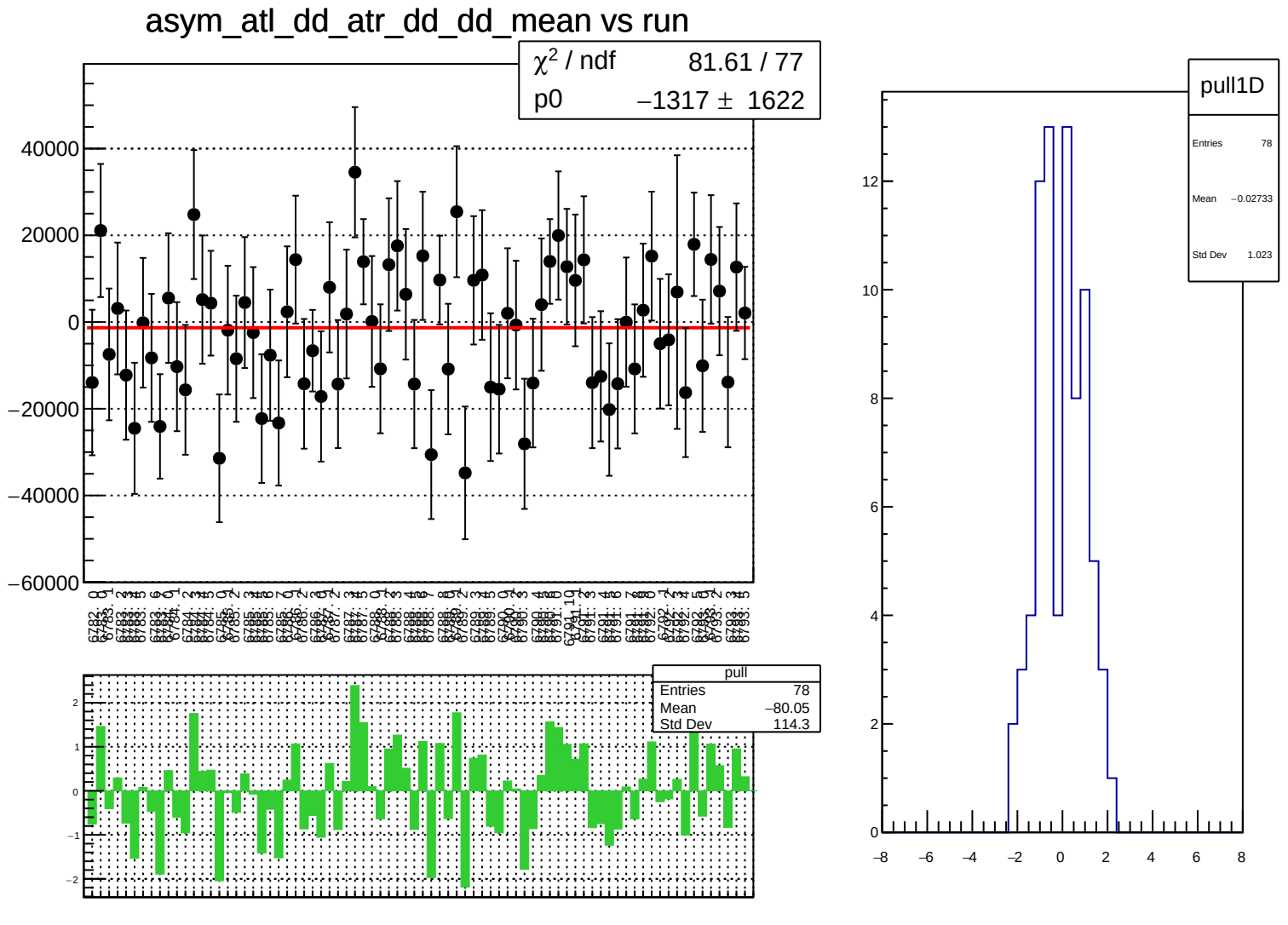

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 81.99 / 77
p0 1122 ± 1443
pull
Entries 78
Mean −33
Std Dev 70.63
pull1D
Entries 78
Mean −0.02416
Std Dev 1.025

dit_asym_atl_dd_atr_dd_dd_rms vs run

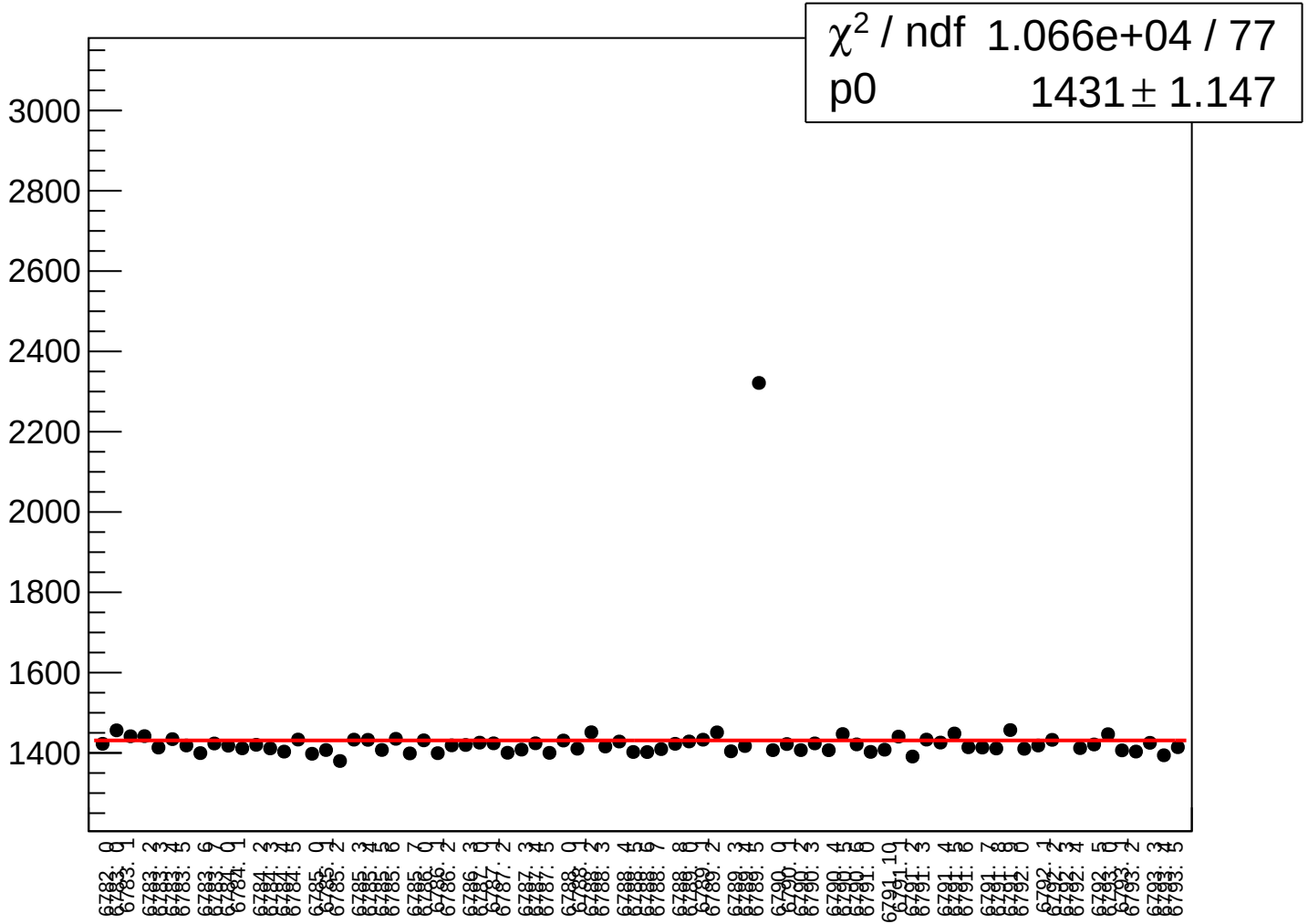


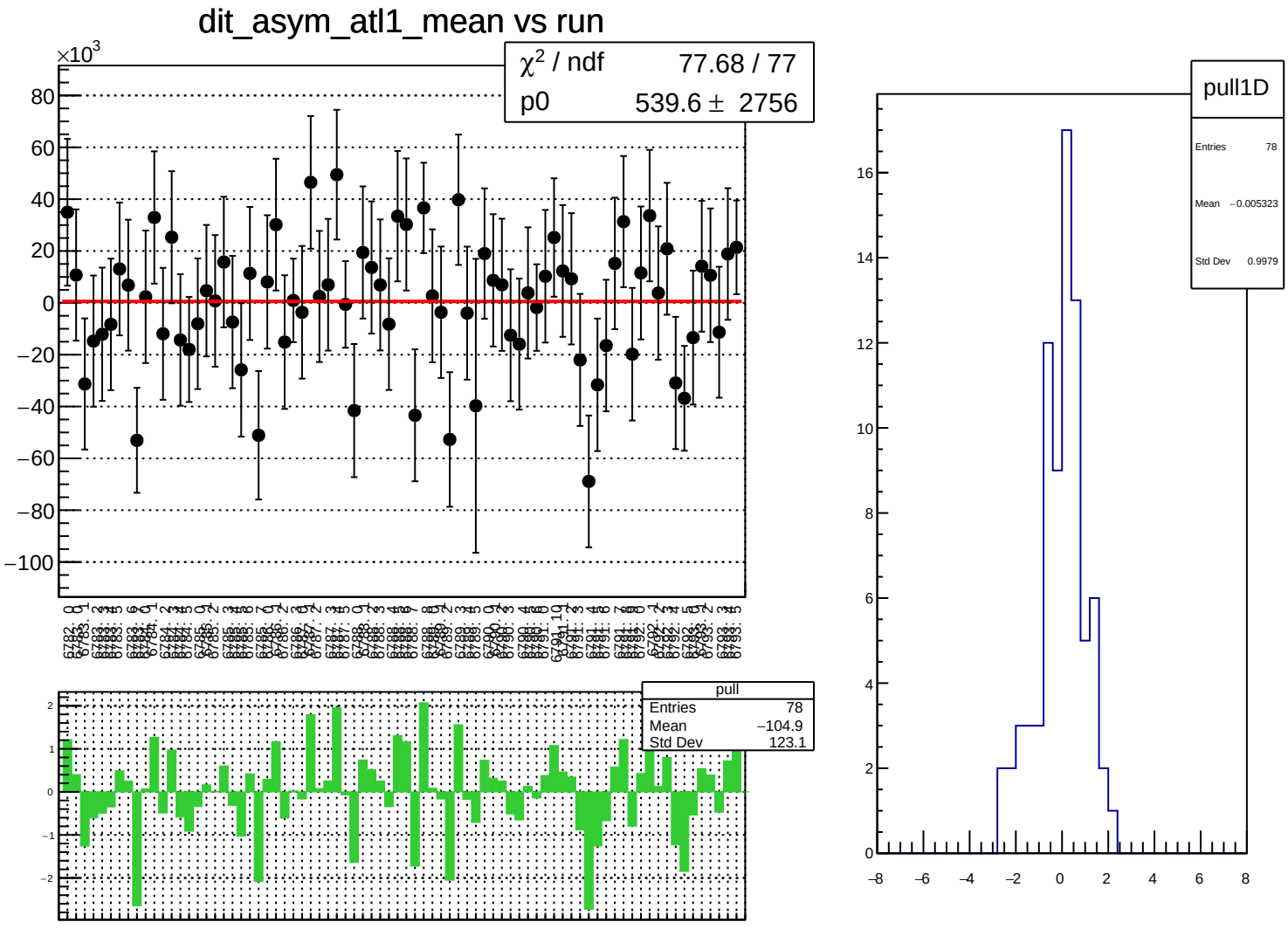

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 74.06 / 77
p0 2466 ± 735.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −270.6
Std Dev 300.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.0115
Std Dev 0.9743
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

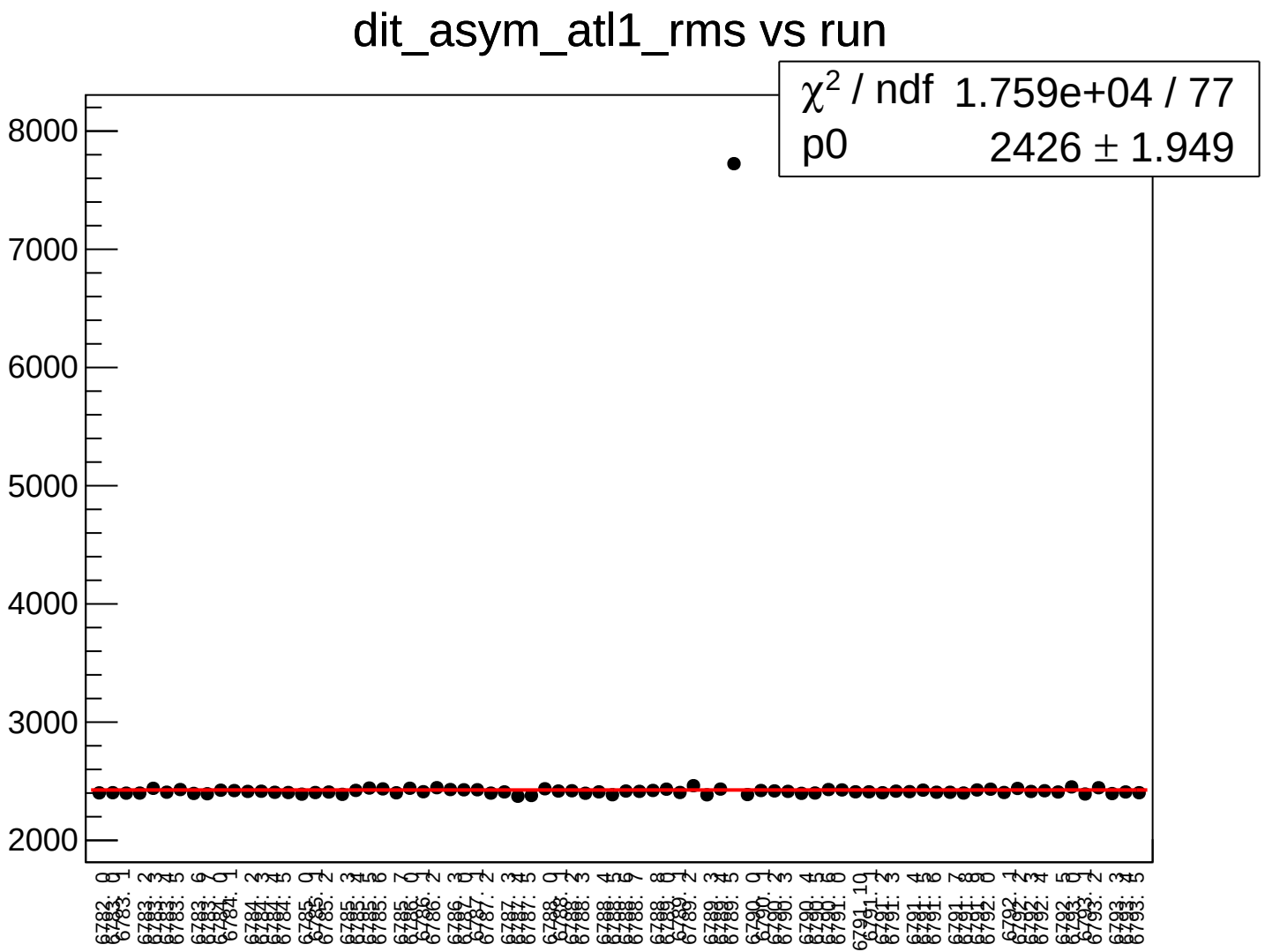

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1865 / 77
p0 651.1 ± 0.5203
720
700
680
660
640
620
600

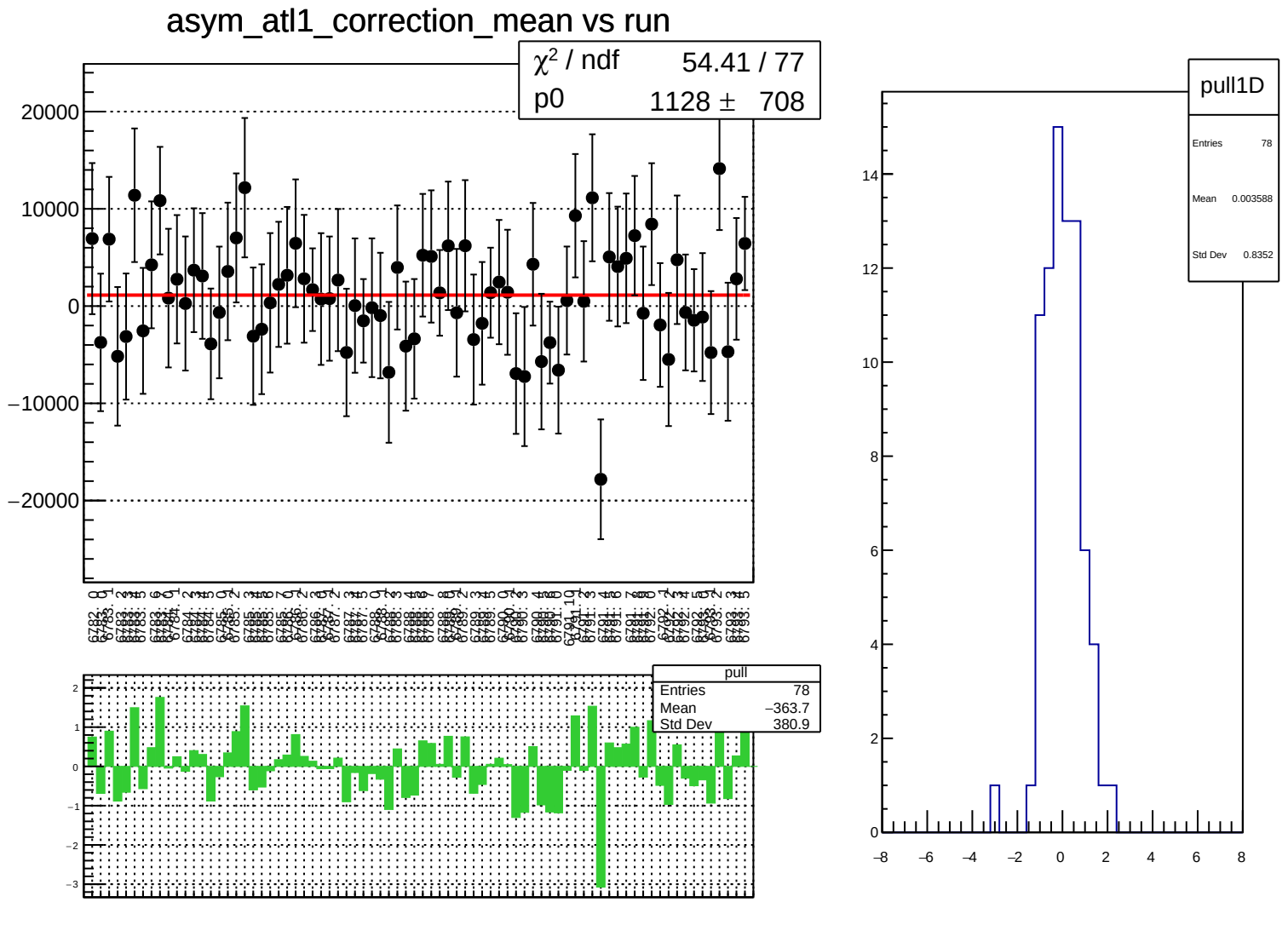

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 81.61 / 77
p0 −1317 ± 1622
pull
Entries 78
Mean −80.05
Std Dev 114.3
pull1D
Entries 78
Mean −0.02733
Std Dev 1.023

asym_atl_dd_atr_dd_dd_rms vs run

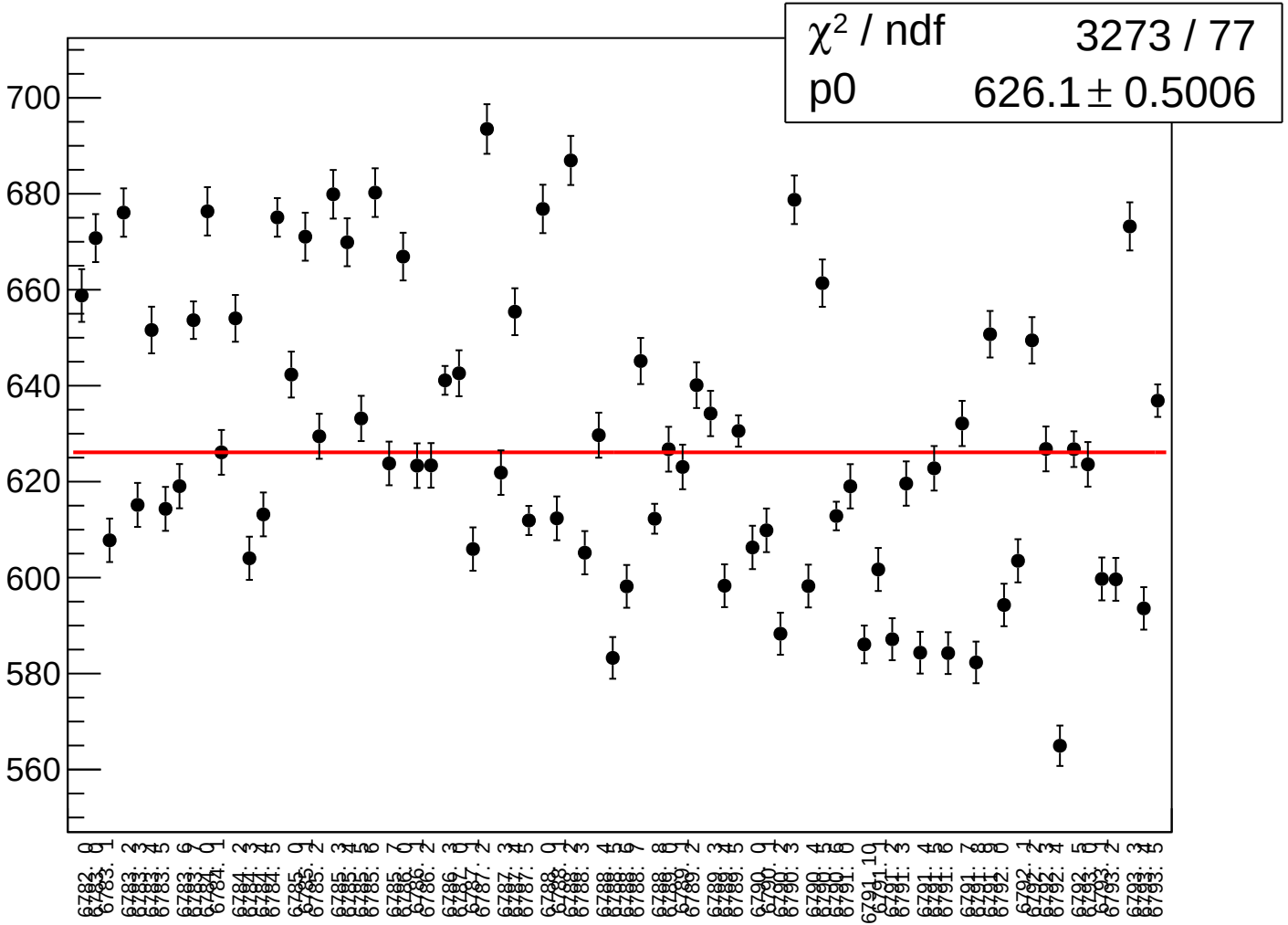


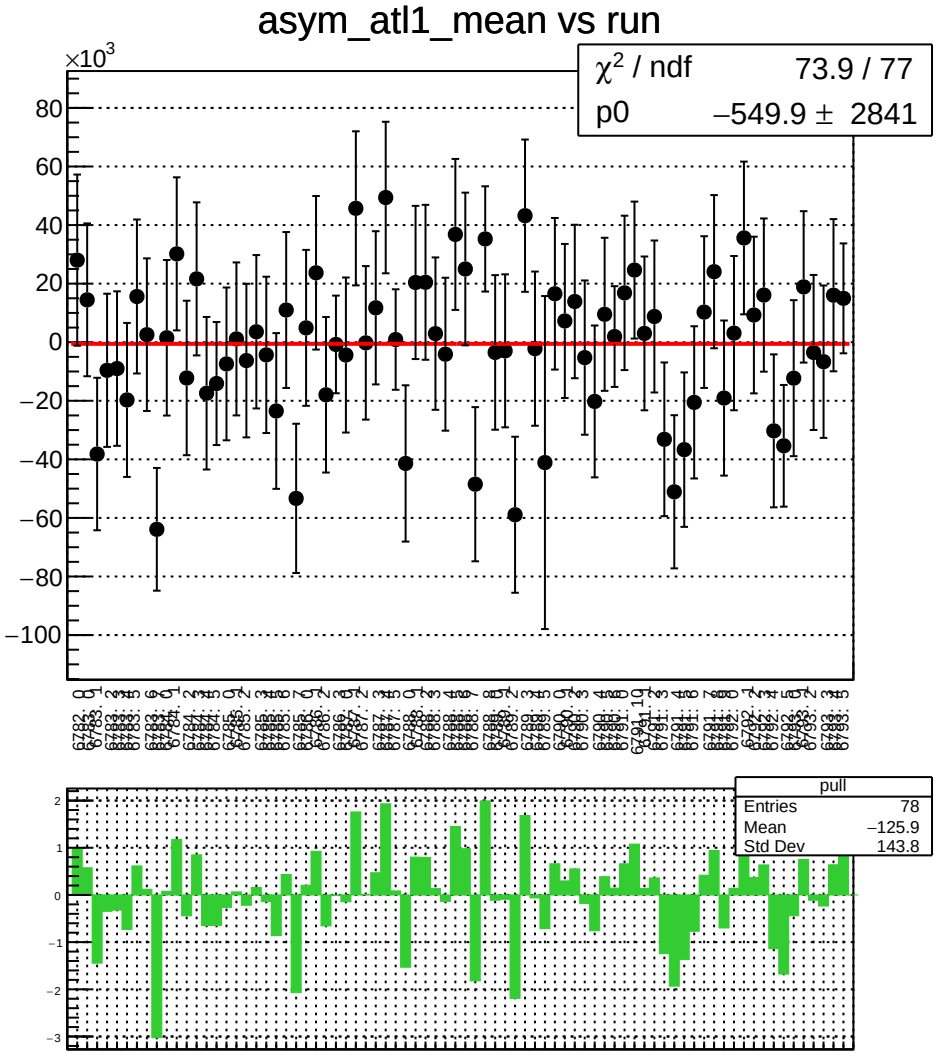

dit_asym_atl1_mean vs run
χ^2 / ndf 77.68 / 77
p0 539.6 ± 2756
×10^3
pull
Entries 78
Mean −104.9
Std Dev 123.1
pull1D
Entries 78
Mean −0.005323
Std Dev 0.9979

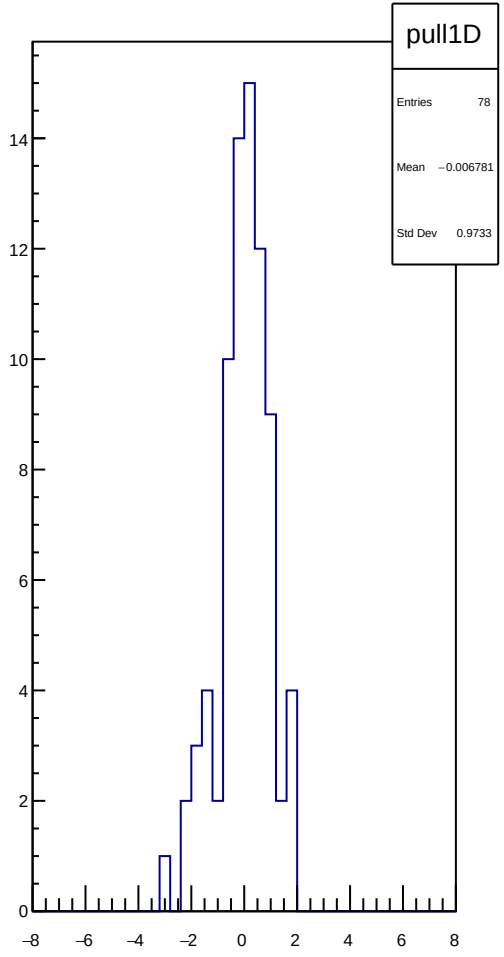

dit_asym_atl1_rms vs run
χ^2 / ndf 1.759e+04 / 77
p0 2426 ± 1.949
8000
7000
6000
5000
4000
3000
2000

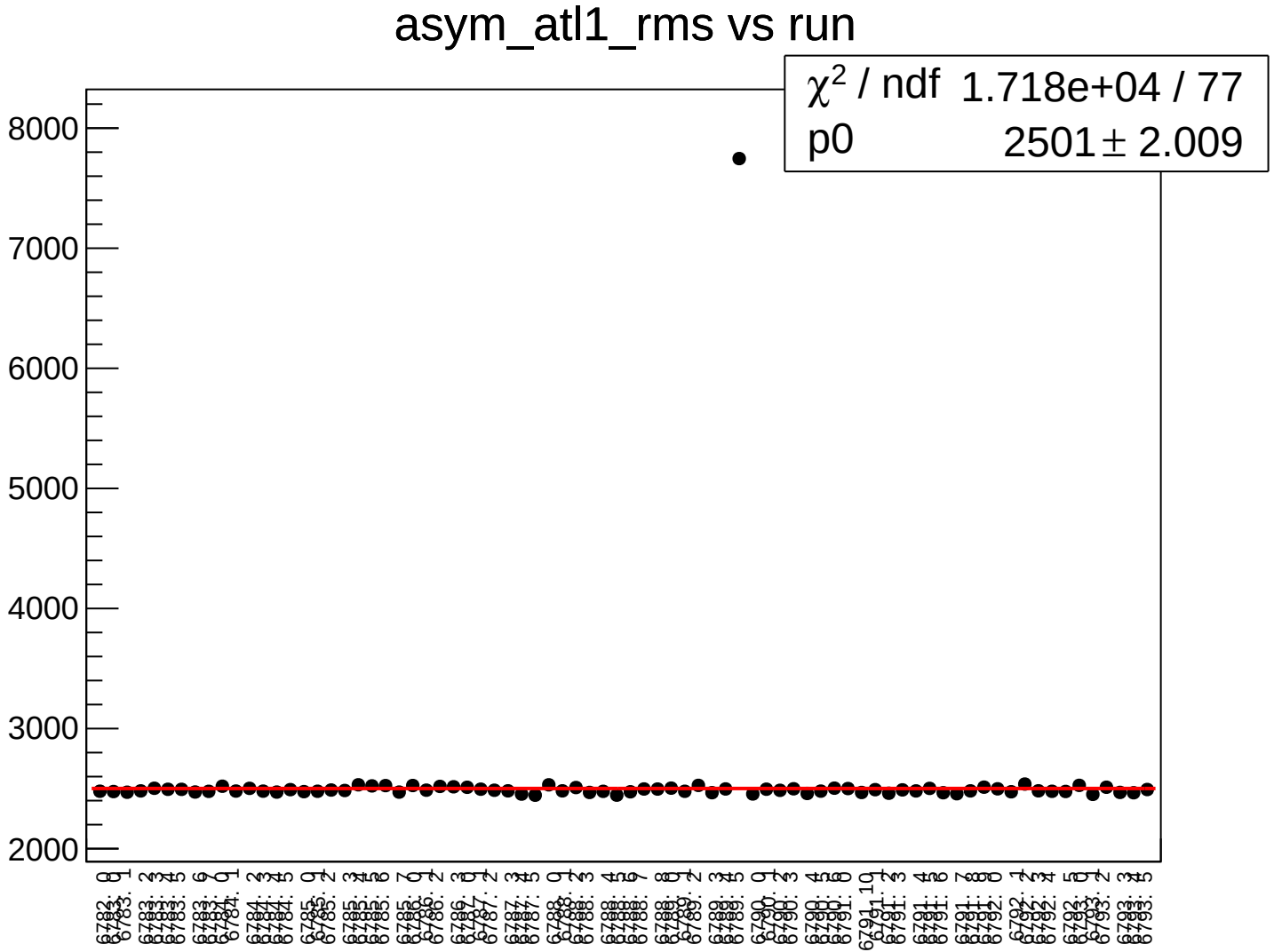

asym_atl1_correction_mean vs run
χ² / ndf 54.41 / 77
p0 1128 ± 708
pull
Entries 78
Mean −363.7
Std Dev 380.9
pull1D
Entries 78
Mean 0.003588
Std Dev 0.8352

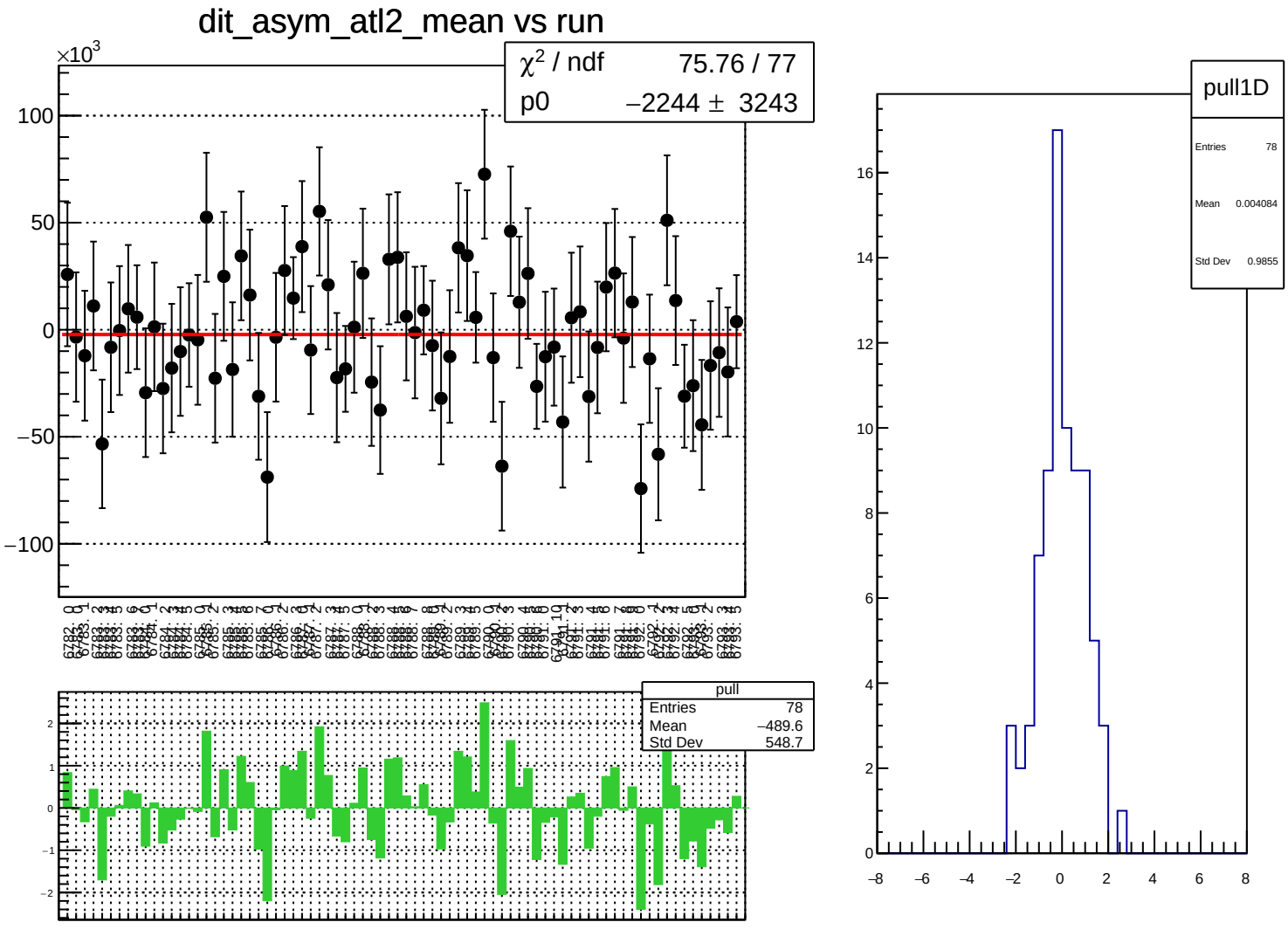
asym_atl1_correction_rms vs run



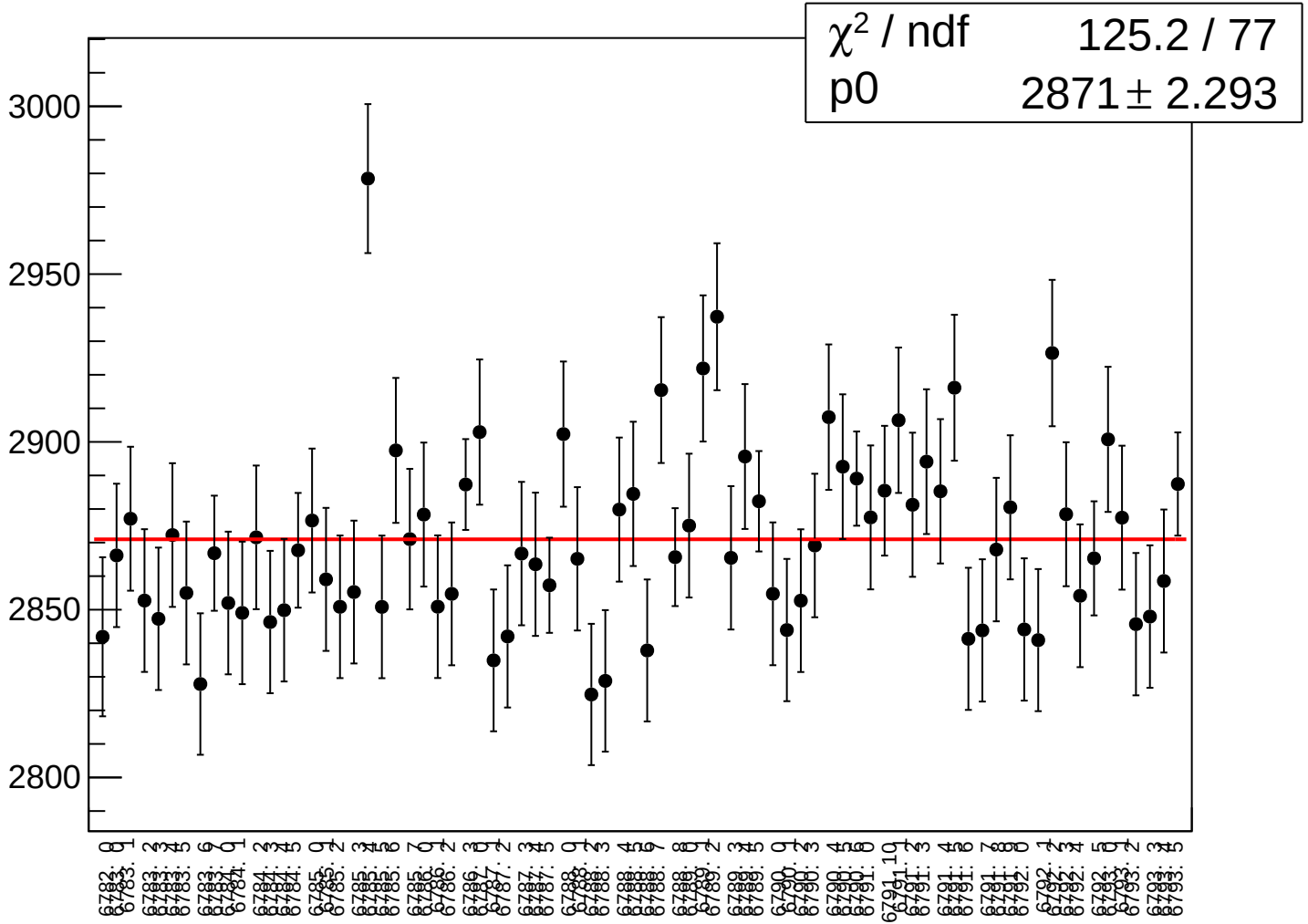

asym_atl1_mean vs run
χ^2 / ndf 73.9 / 77
p0 −549.9 ± 2841
×10^3
pull
Entries 78
Mean −125.9
Std Dev 143.8

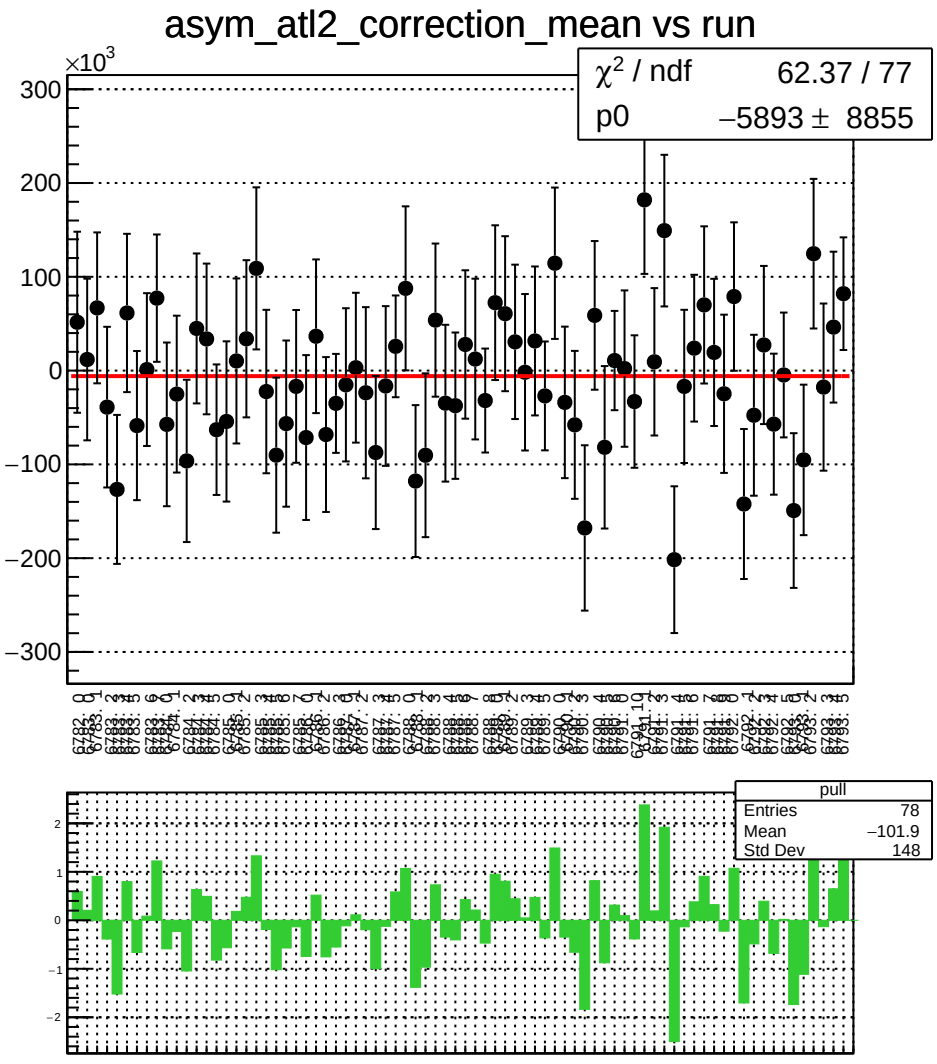

pull1D
Entries 78
Mean −0.006781
Std Dev 0.9733

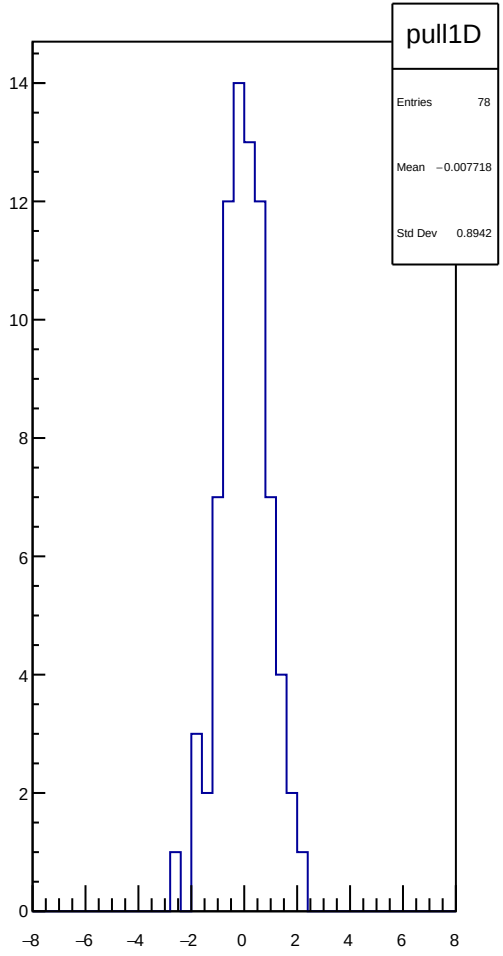

asym_atl1_rms vs run
χ^2 / ndf 1.718e+04 / 77
p0 2501 ± 2.009
8000
7000
6000
5000
4000
3000
2000

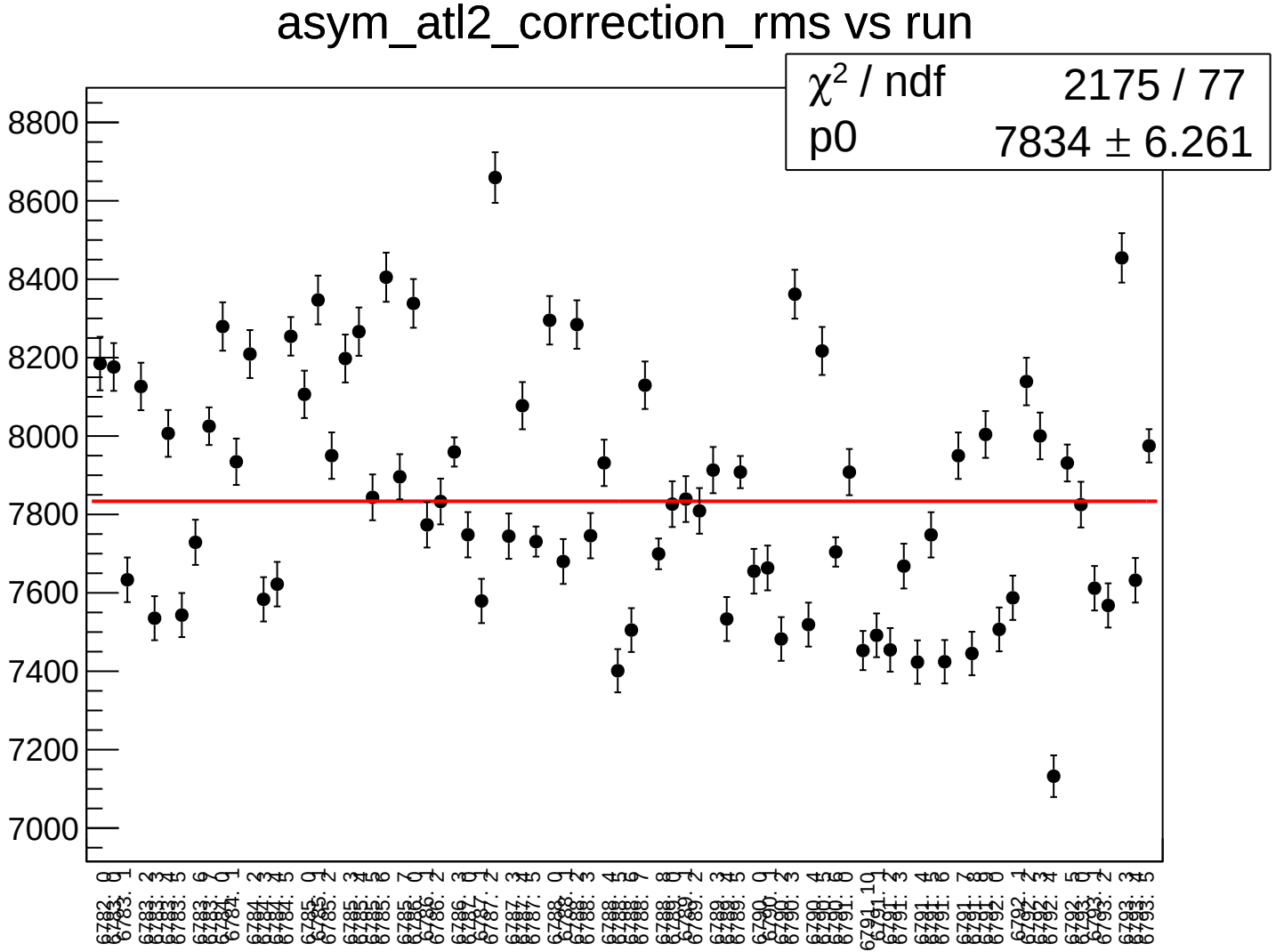

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 75.76 / 77
p0 −2244 ± 3243
pull
Entries 78
Mean −489.6
Std Dev 548.7
pull1D
Entries 78
Mean 0.004084
Std Dev 0.9855

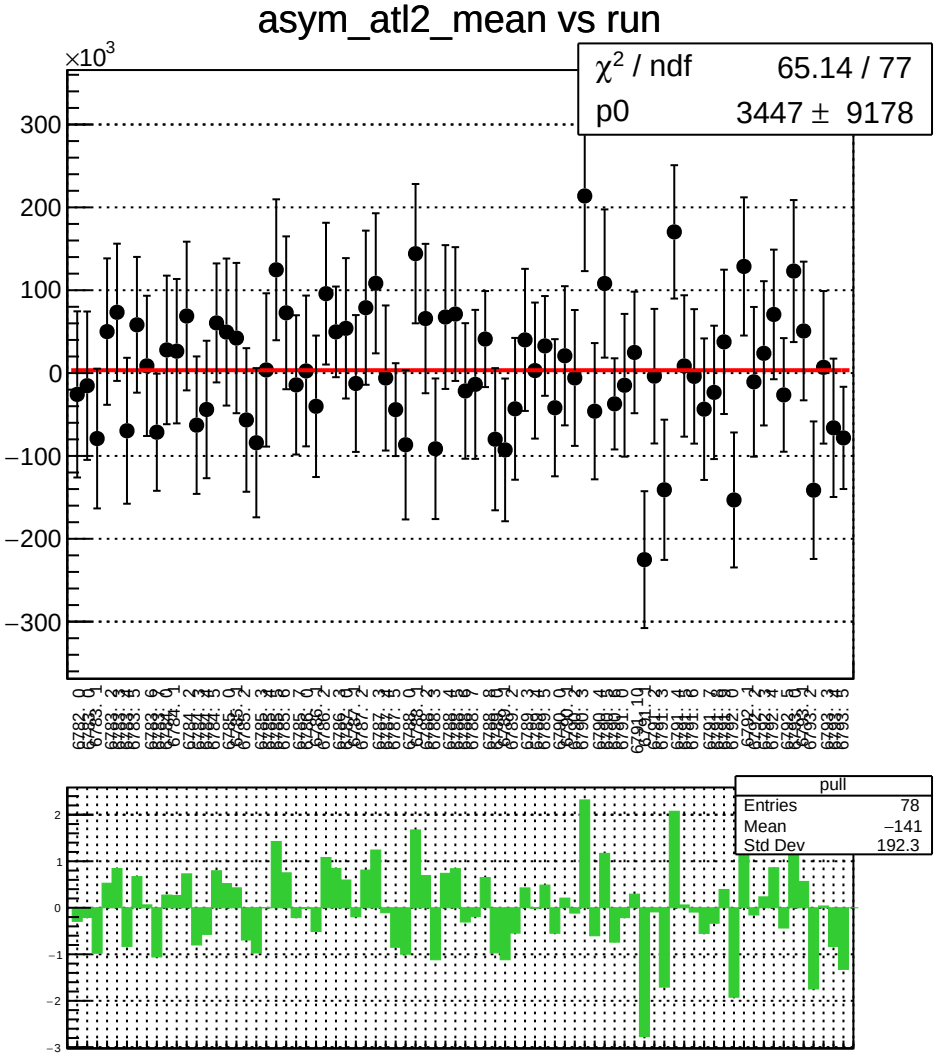
dit_asym_atl2_rms vs run

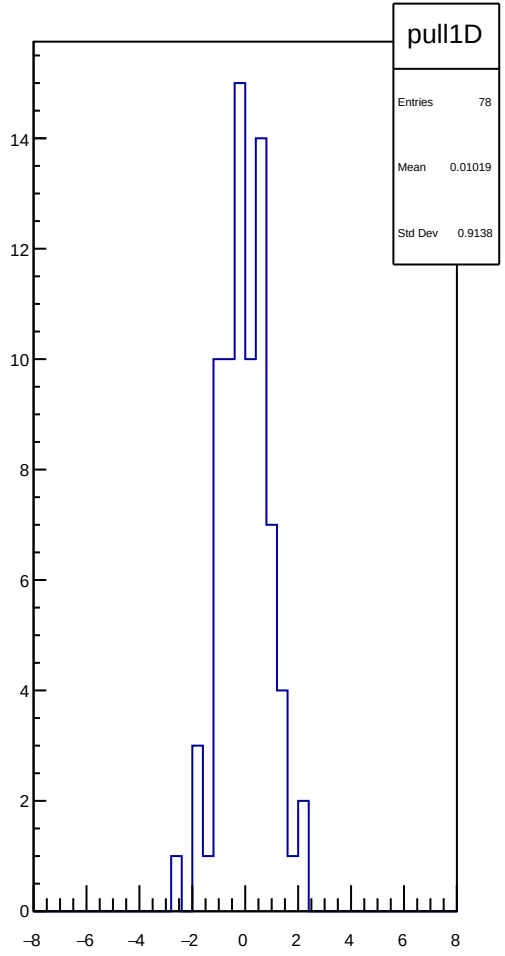


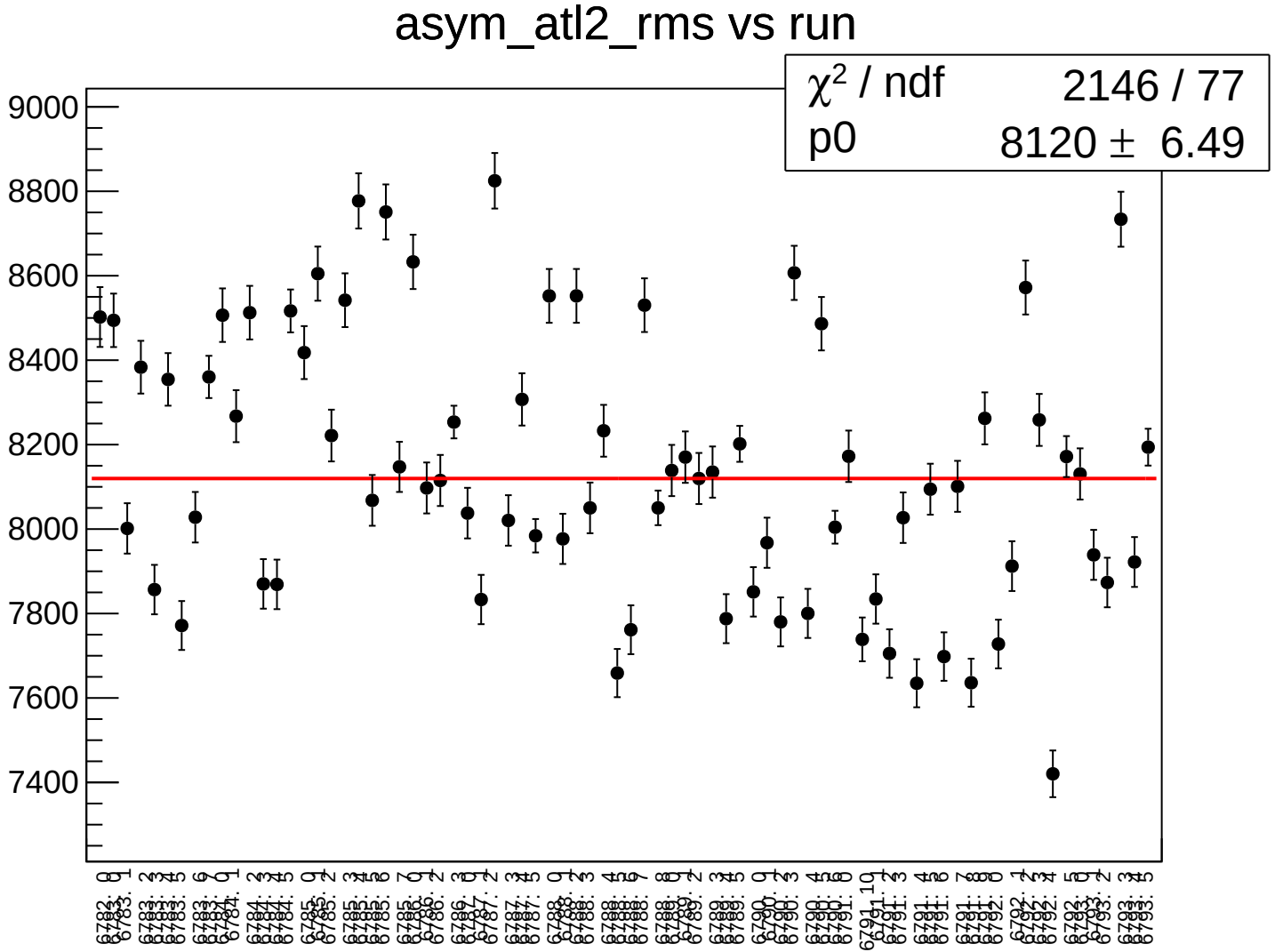

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 62.37 / 77
p0 −5893 ± 8855
pull
Entries 78
Mean −101.9
Std Dev 148

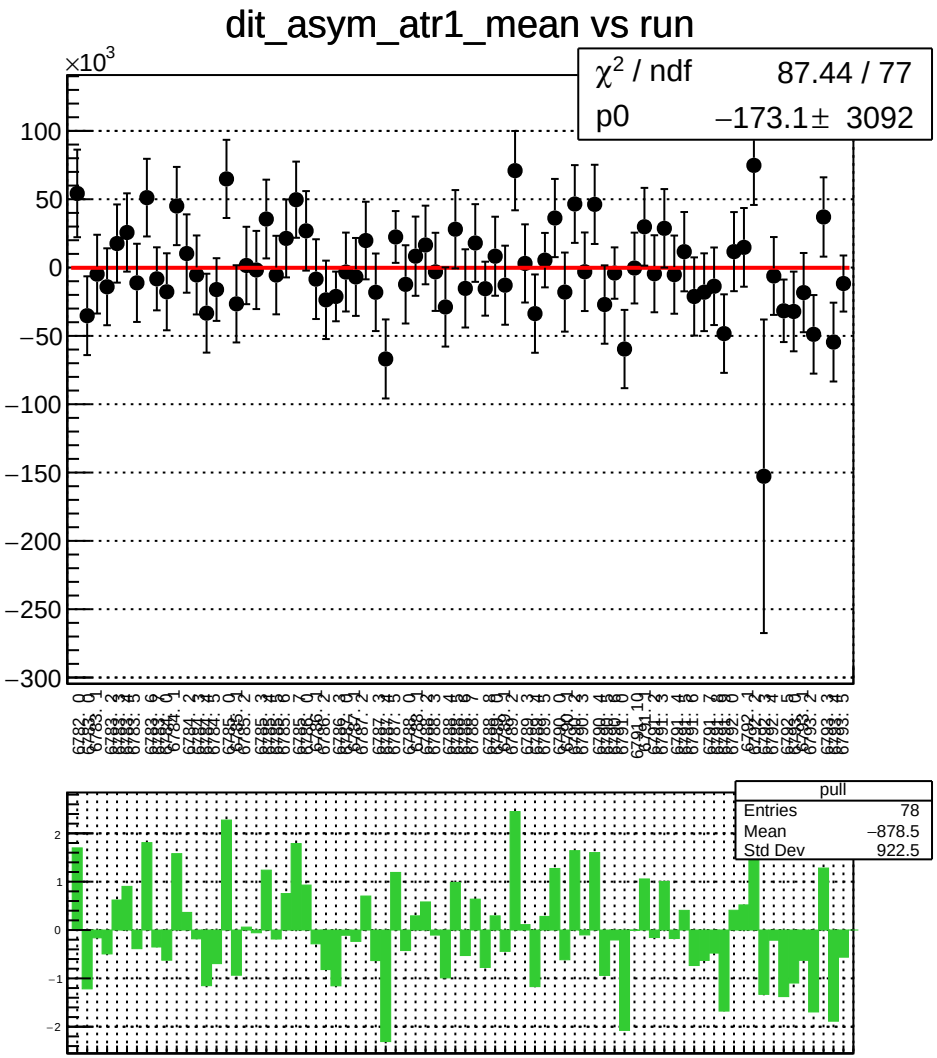

pull1D
Entries 78
Mean −0.007718
Std Dev 0.8942

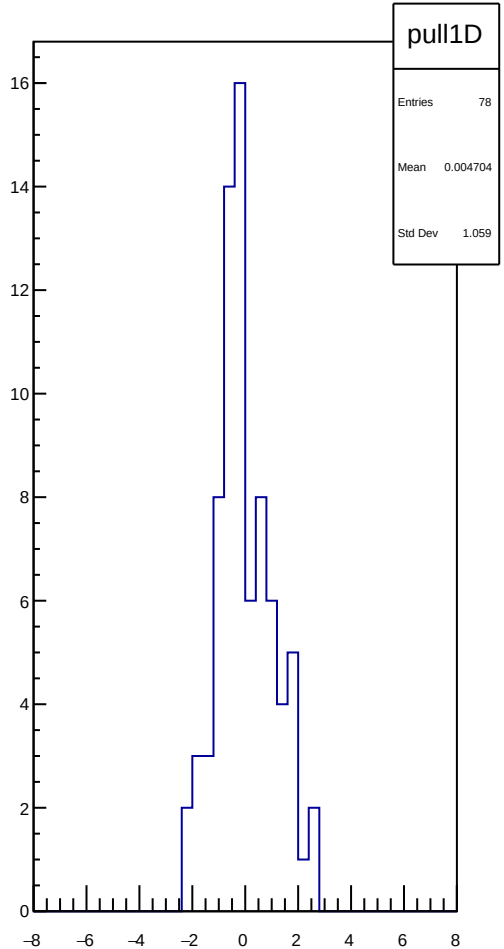

asym_atl2_correction_rms vs run
χ² / ndf 2175 / 77
p0 7834 ± 6.261
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000


asym_atl2_mean vs run
×10^3
χ² / ndf 65.14 / 77
p0 3447 ± 9178
pull
Entries 78
Mean −141
Std Dev 192.3

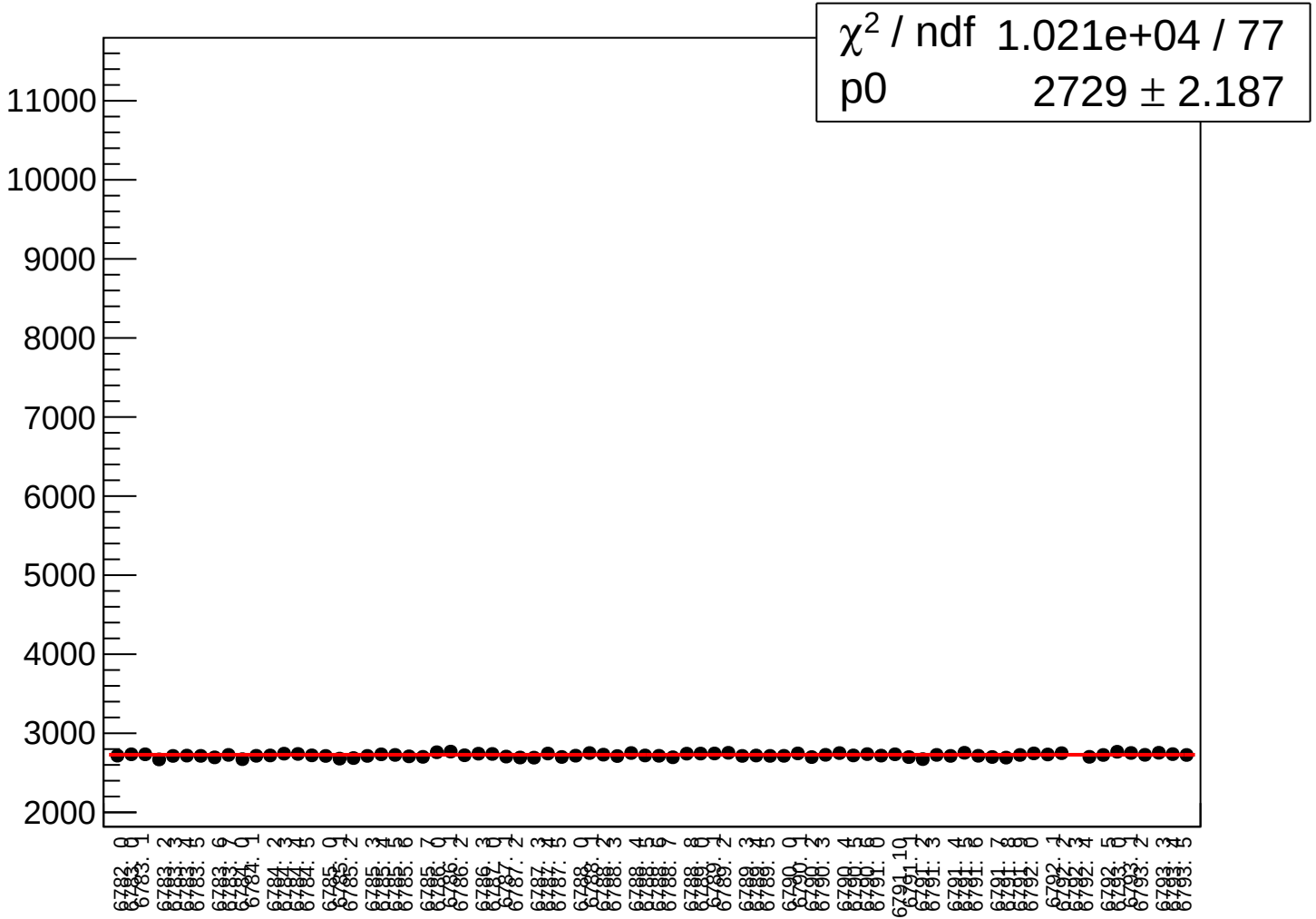

pull1D
Entries 78
Mean 0.01019
Std Dev 0.9138

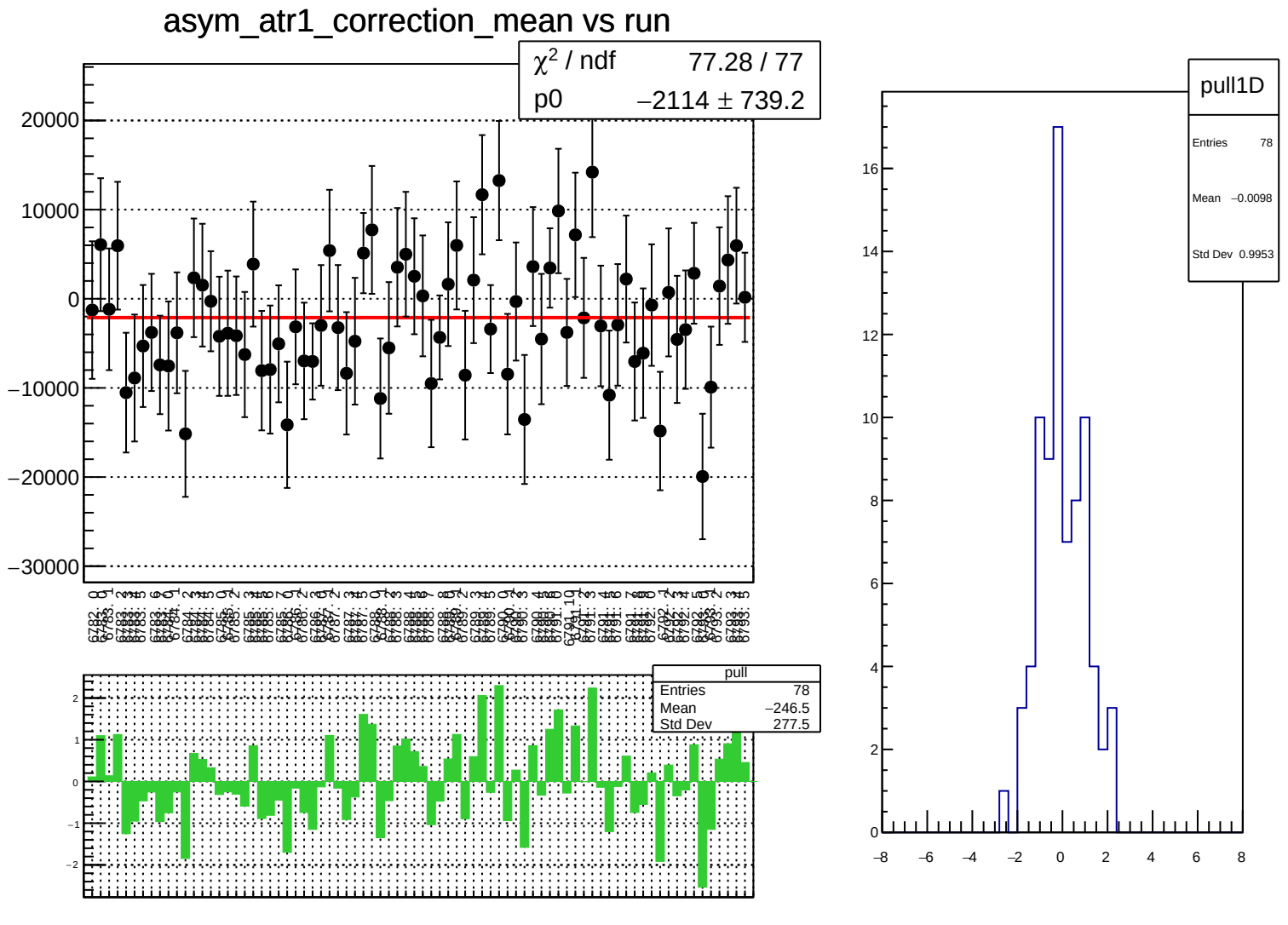

asym_atl2_rms vs run
χ² / ndf 2146 / 77
p0 8120 ± 6.49
9000
8800
8600
8400
8200
8000
7800
7600
7400


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 87.44 / 77
p0 −173.1± 3092
pull
Entries 78
Mean −878.5
Std Dev 922.5

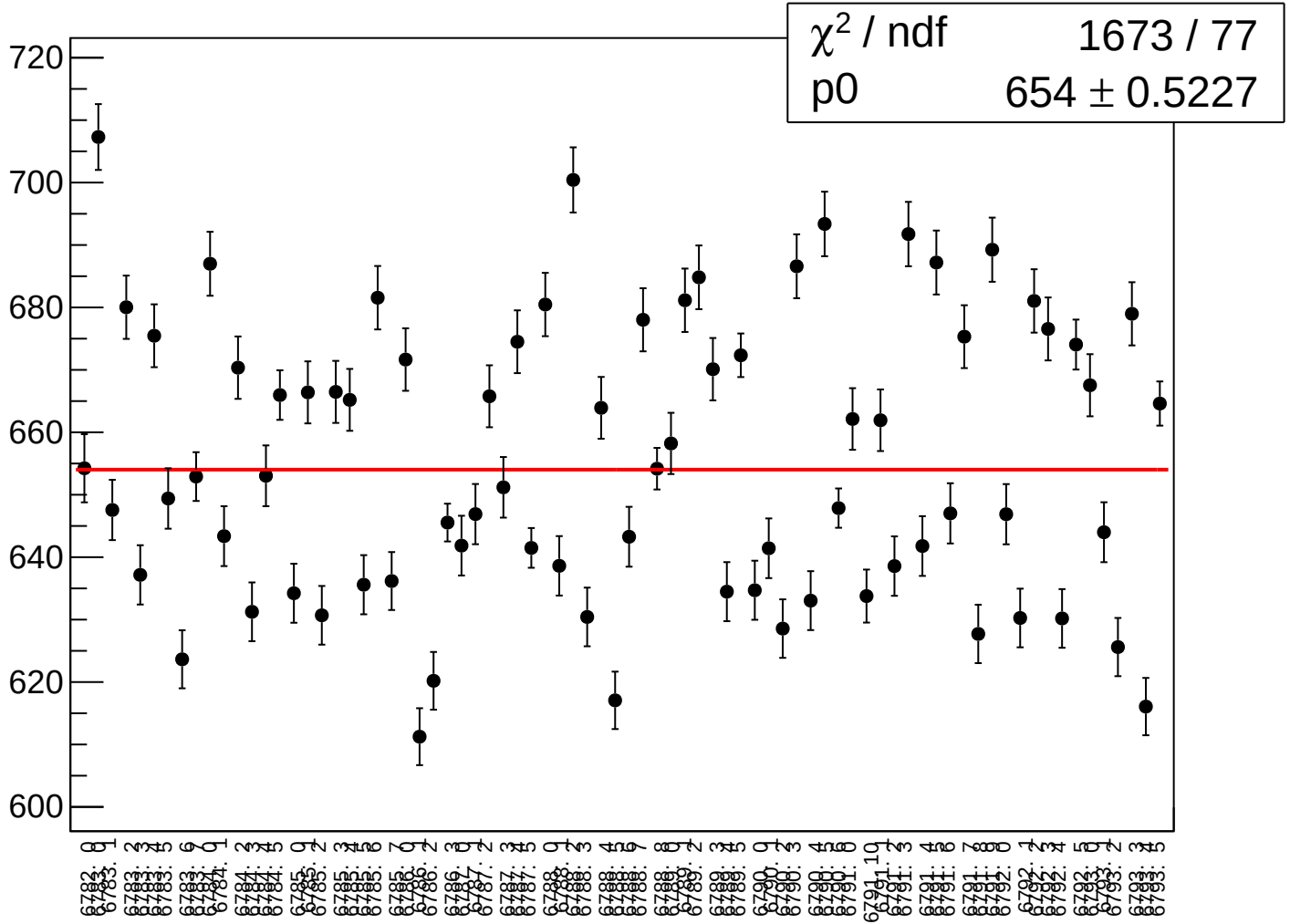

pull1D
Entries 78
Mean 0.004704
Std Dev 1.059

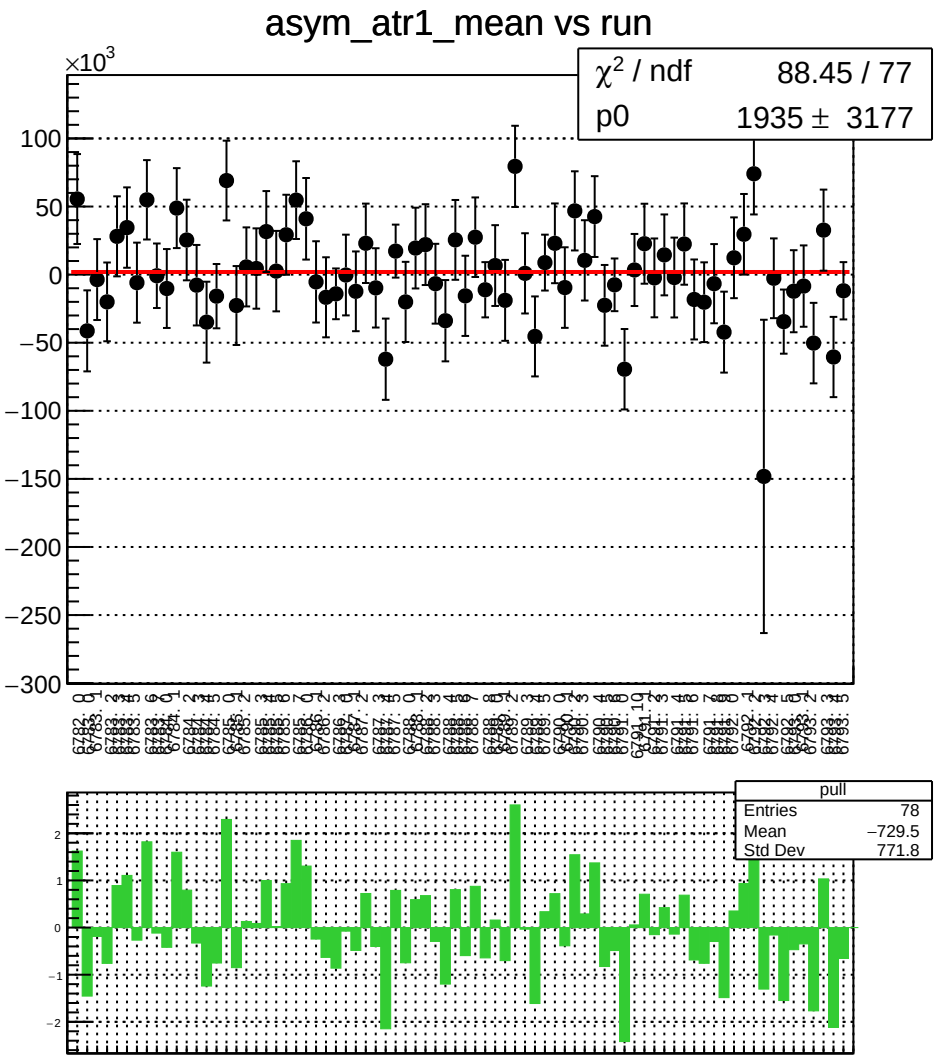
dit_asym_atr1_rms vs run

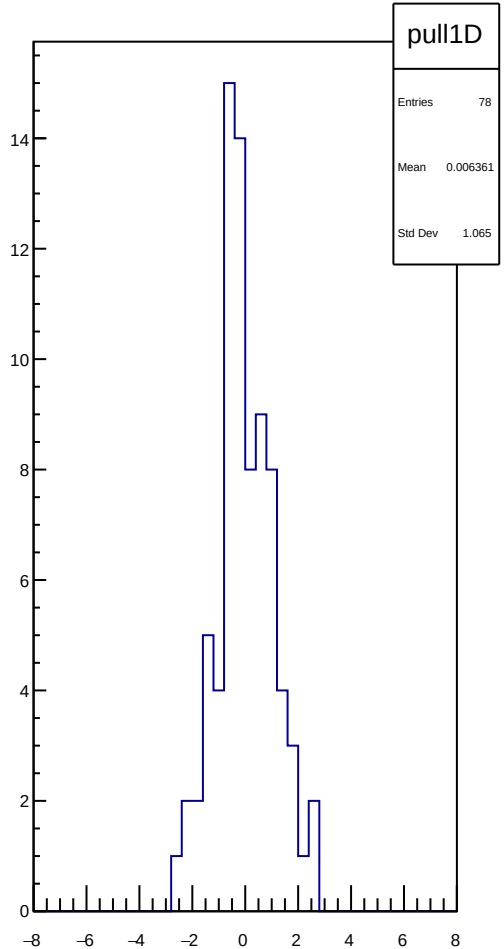


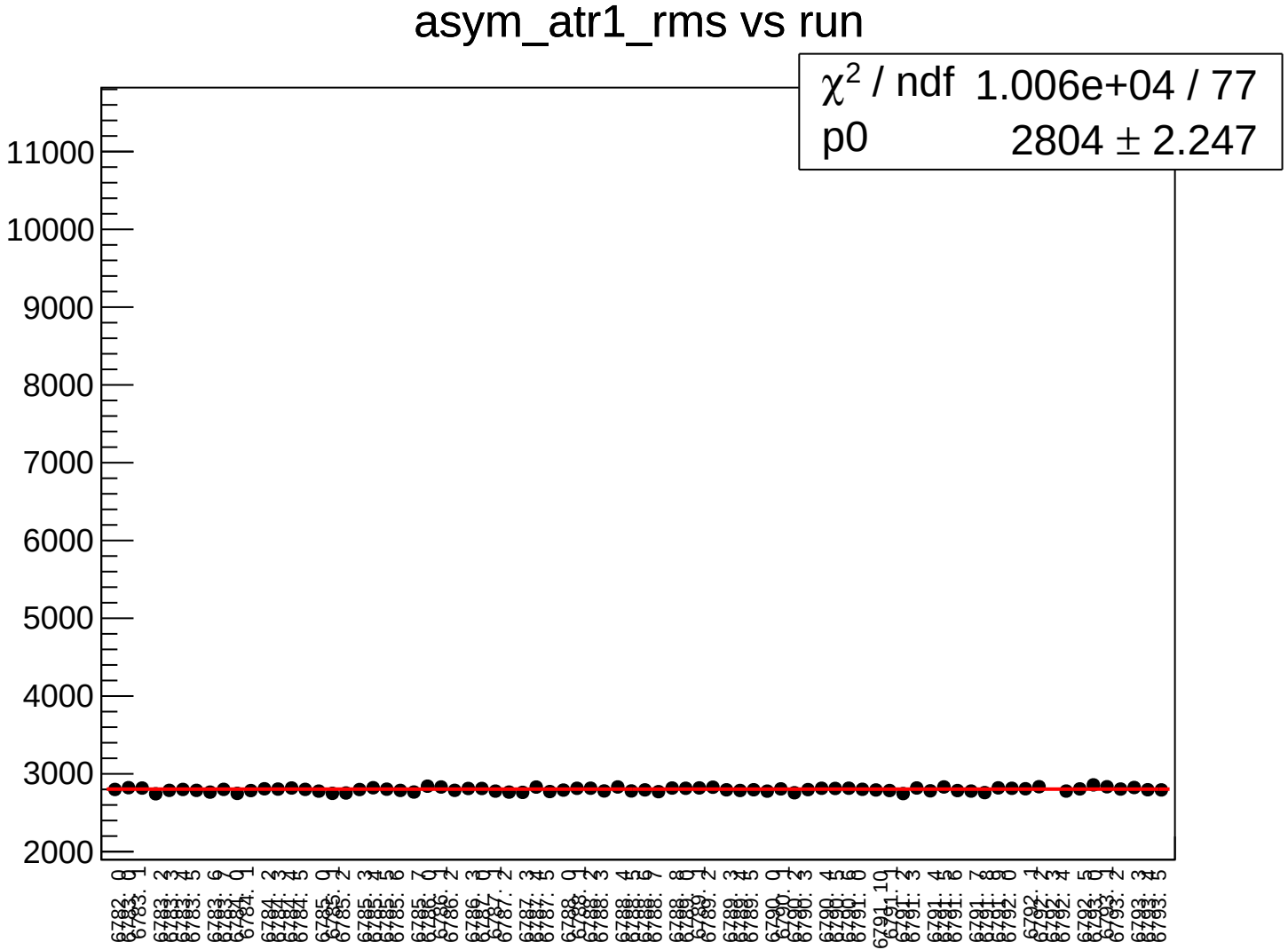

asym_atr1_correction_mean vs run
χ² / ndf 77.28 / 77
p0 −2114 ± 739.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −246.5
Std Dev 277.5
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.0098
Std Dev 0.9953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

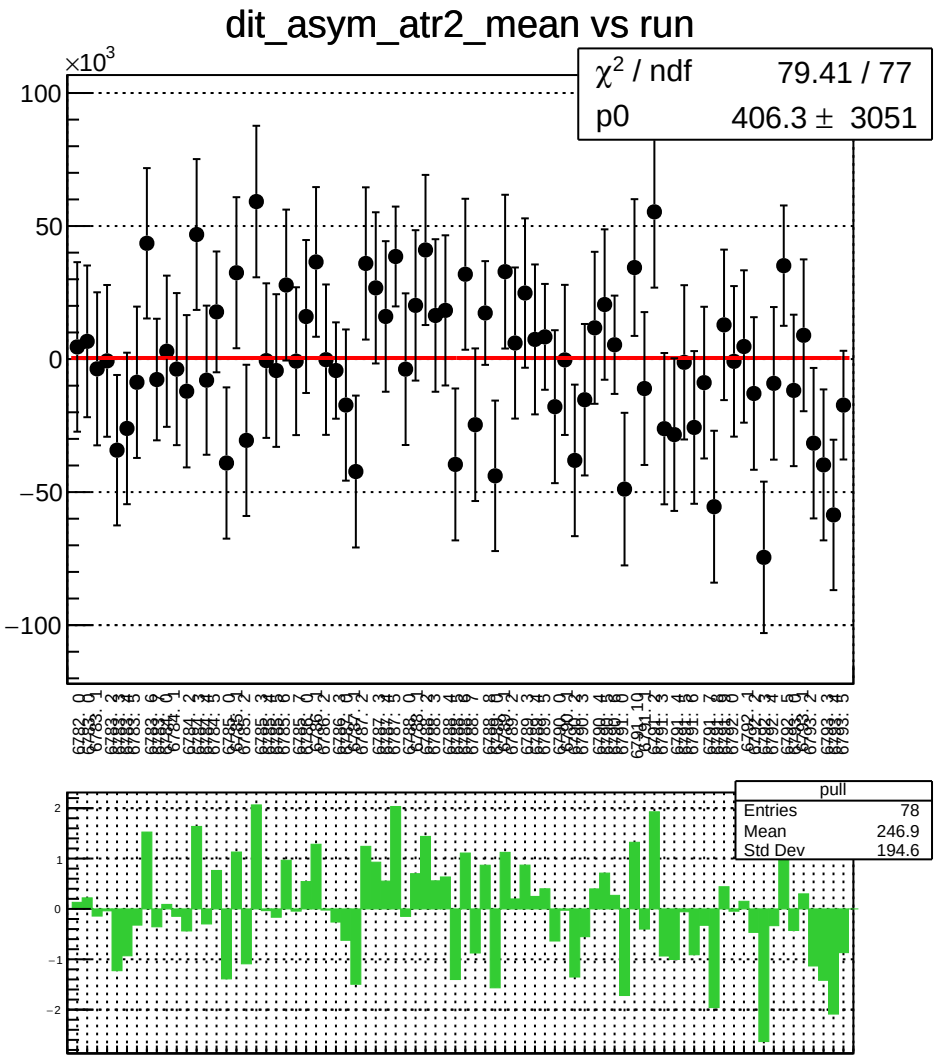
asym_atr1_correction_rms vs run

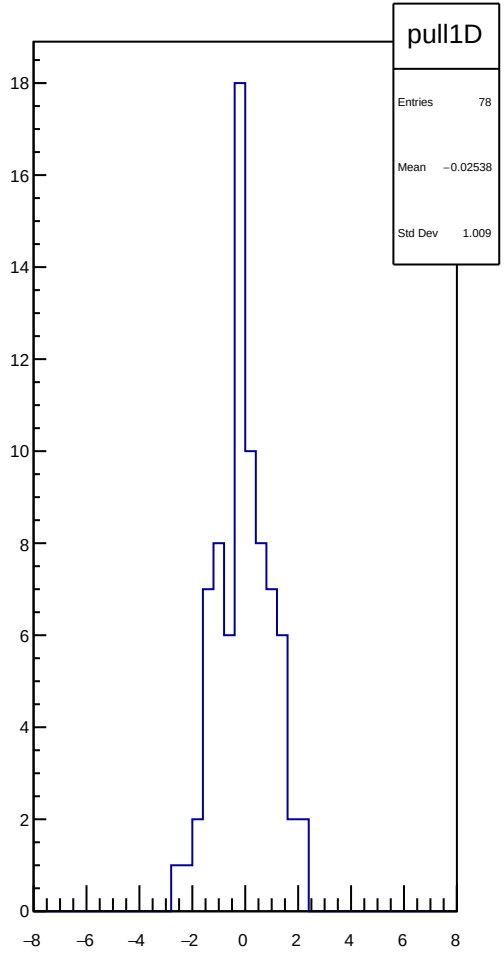


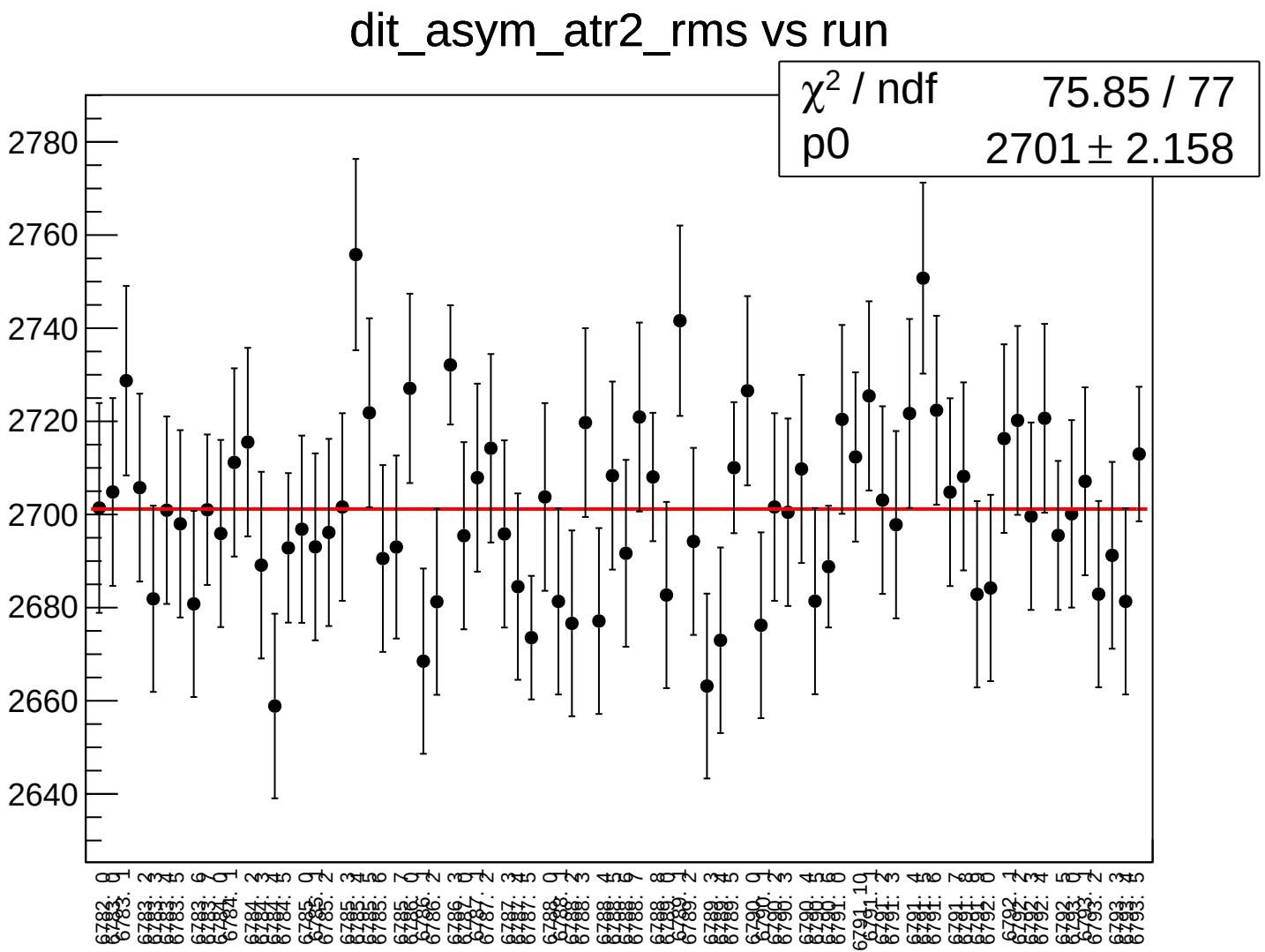

asym_atr1_mean vs run
×10^3
χ² / ndf 88.45 / 77
p0 1935 ± 3177
pull
Entries 78
Mean −729.5
Std Dev 771.8

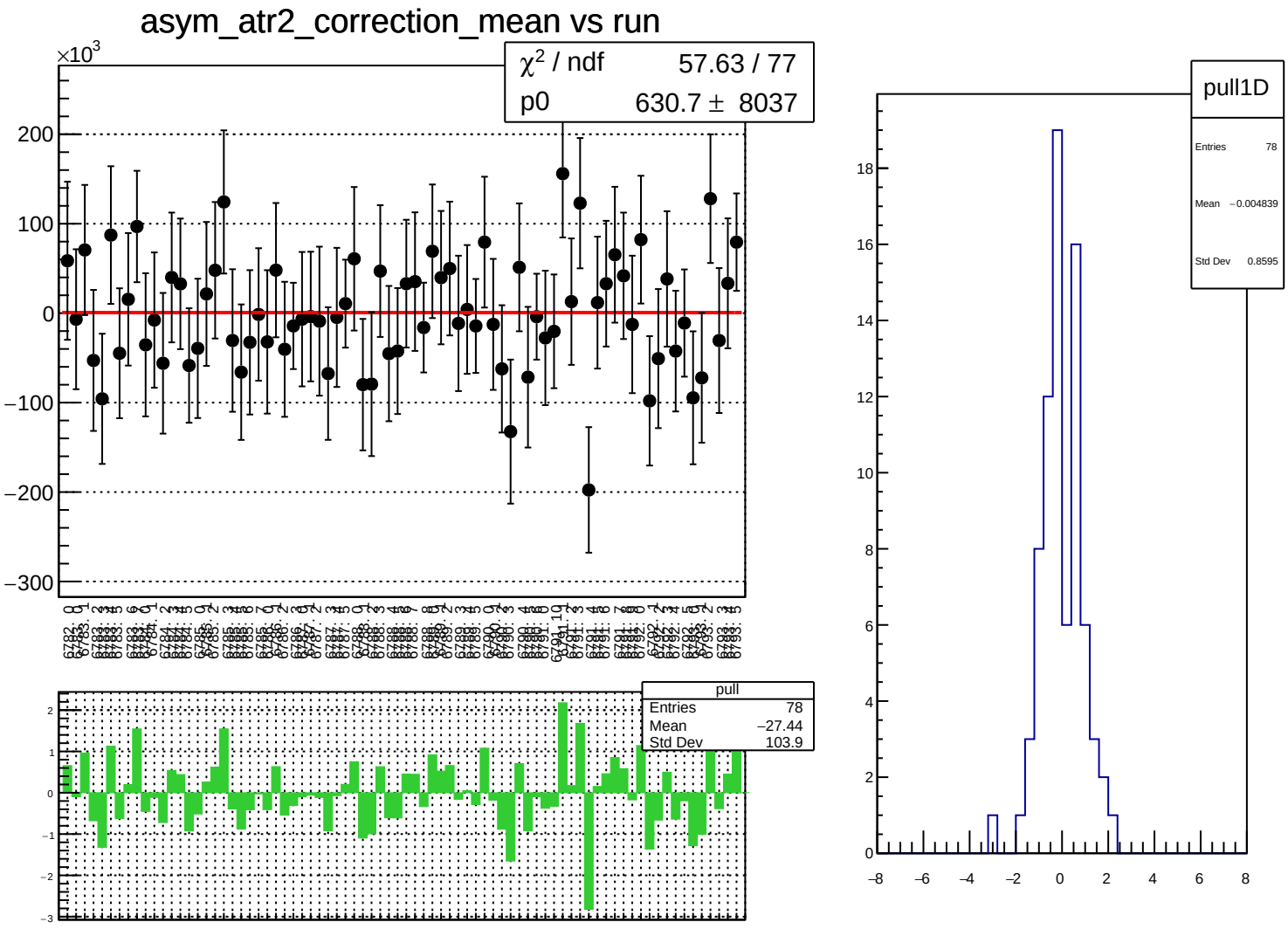

pull1D
Entries 78
Mean 0.006361
Std Dev 1.065

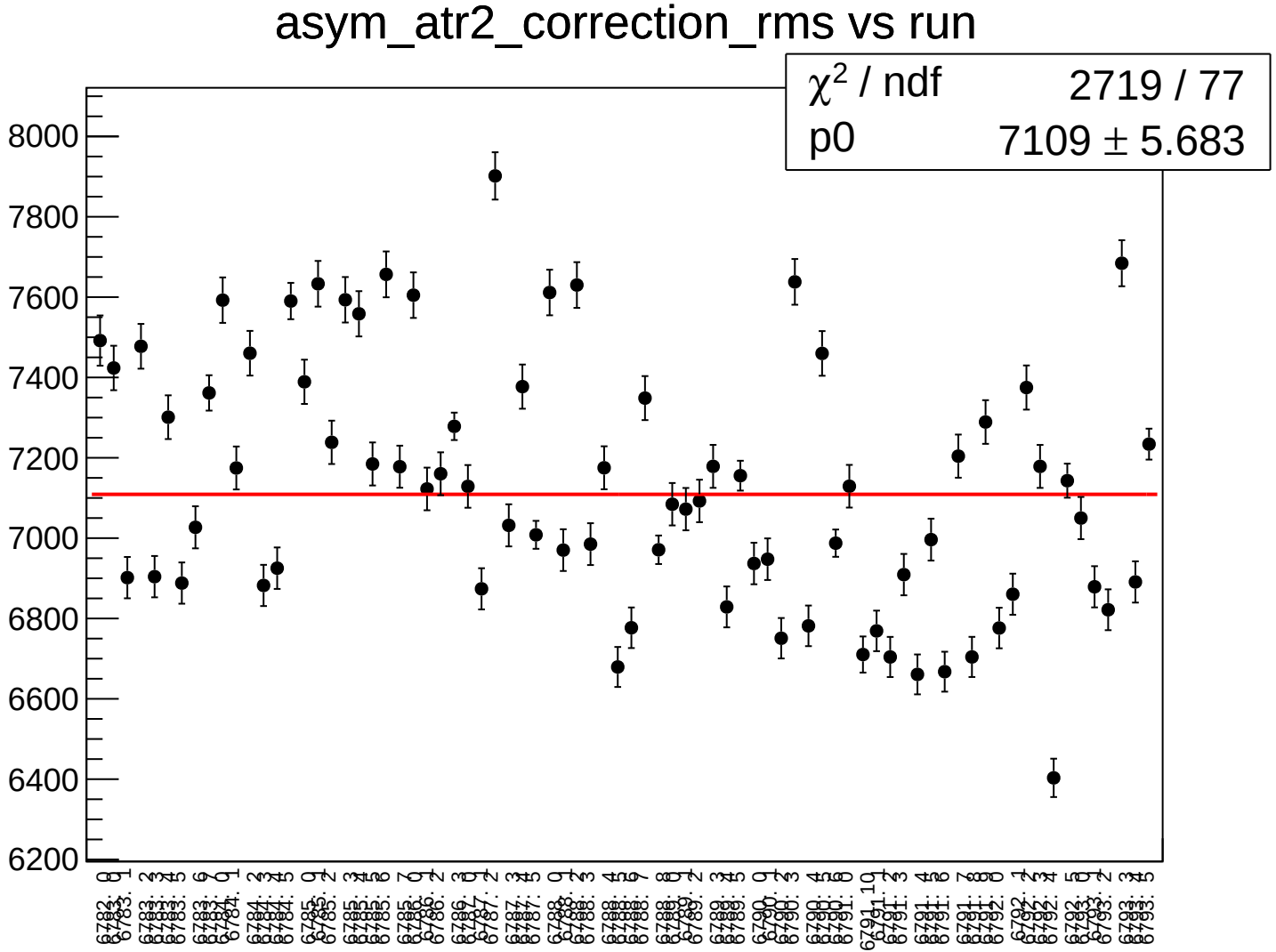

asym_atr1_rms vs run
χ^2 / ndf 1.006e+04 / 77
p0 2804 ± 2.247
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

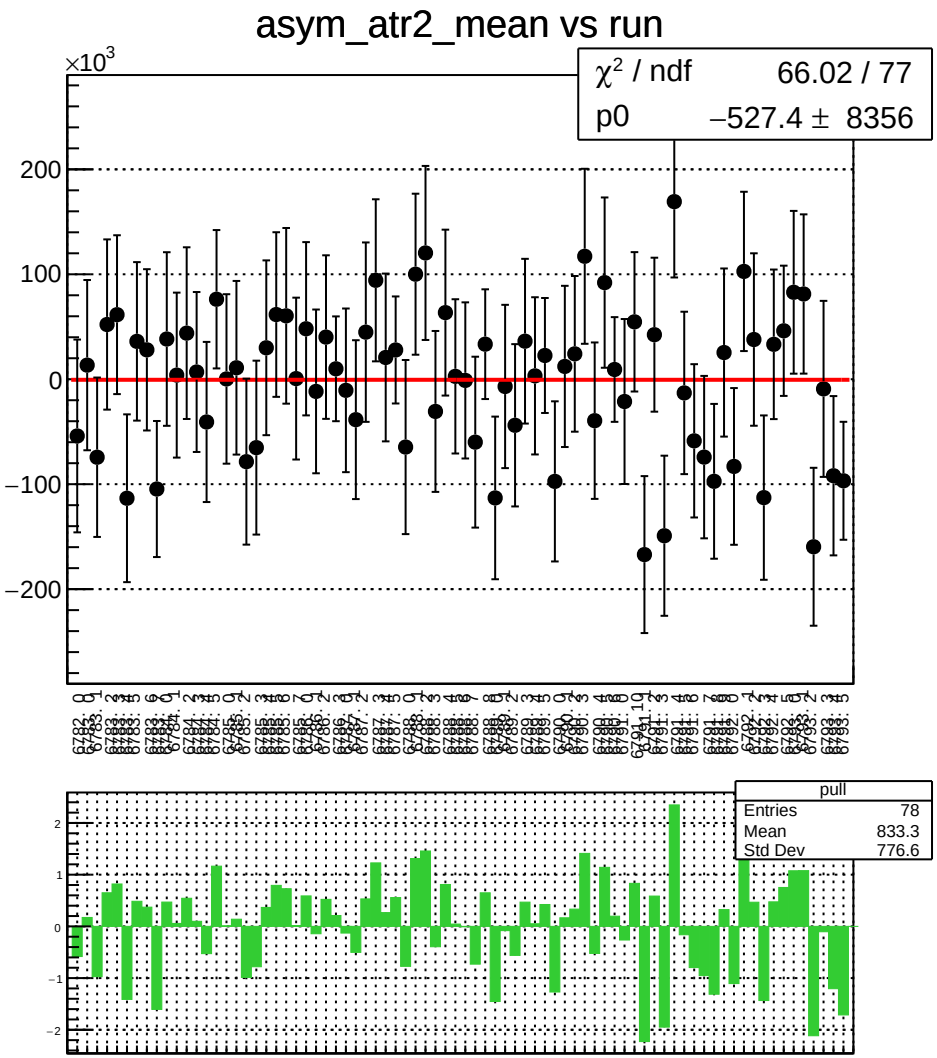

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 79.41 / 77
p0 406.3 ± 3051
pull
Entries 78
Mean 246.9
Std Dev 194.6

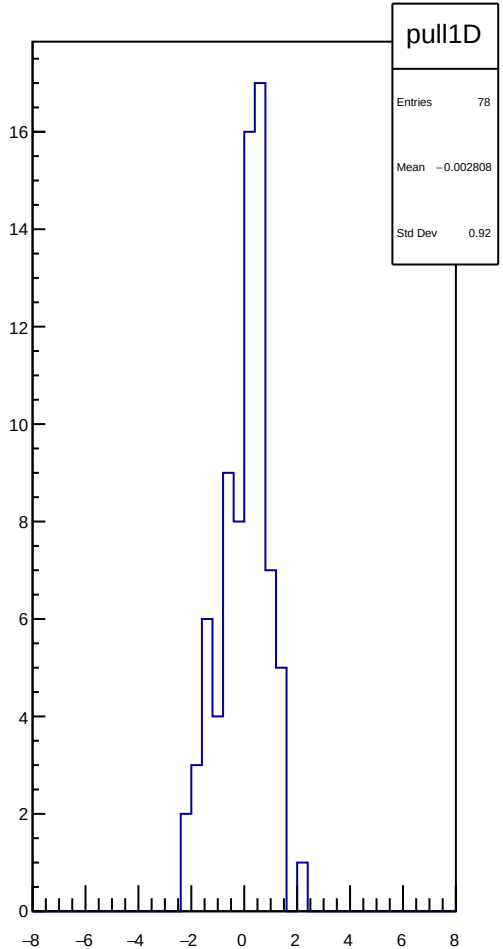

pull1D
Entries 78
Mean −0.02538
Std Dev 1.009

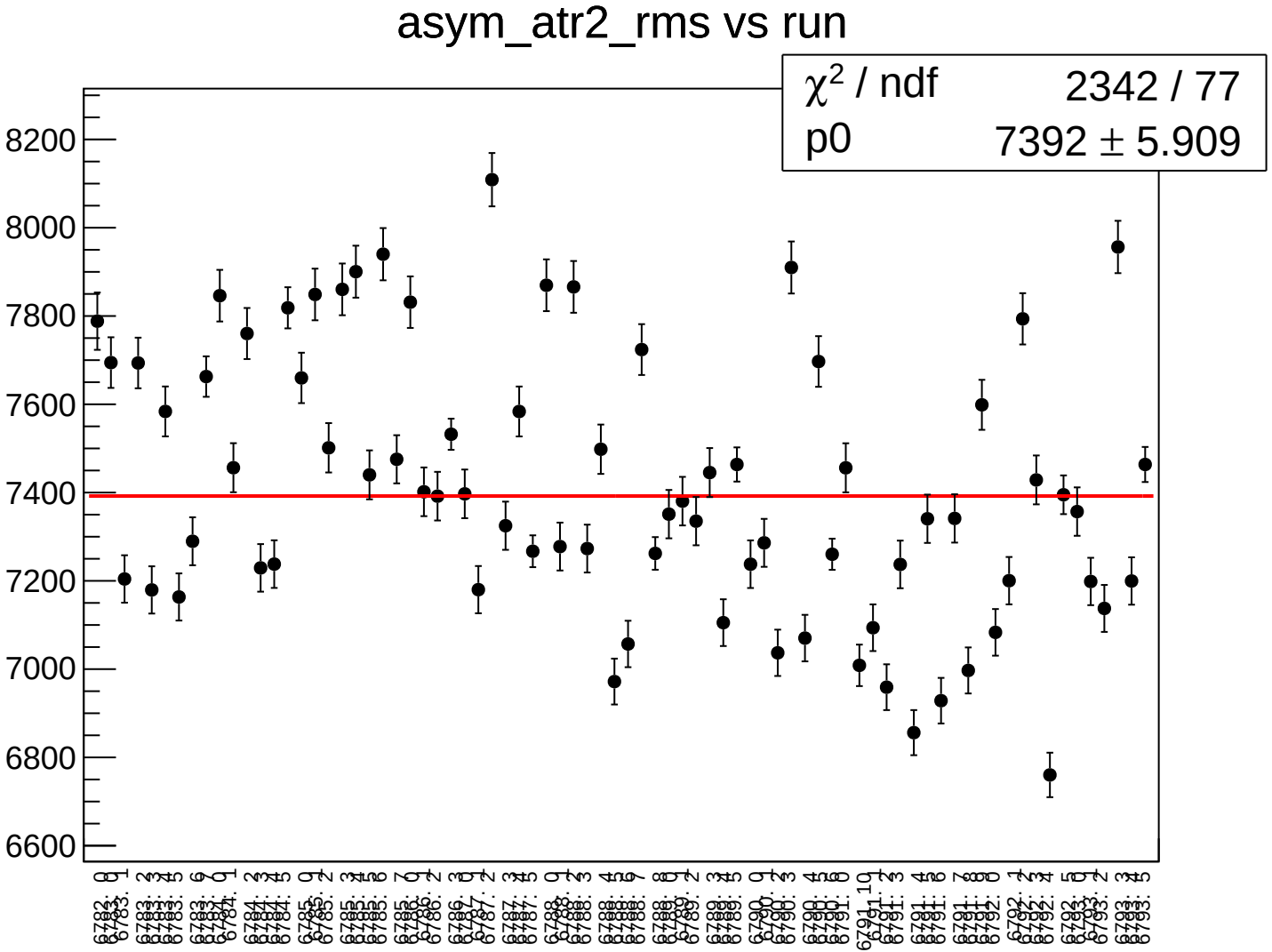

dit_asym_atr2_rms vs run
χ² / ndf 75.85 / 77
p0 2701 ± 2.158
2780
2760
2740
2720
2700
2680
2660
2640

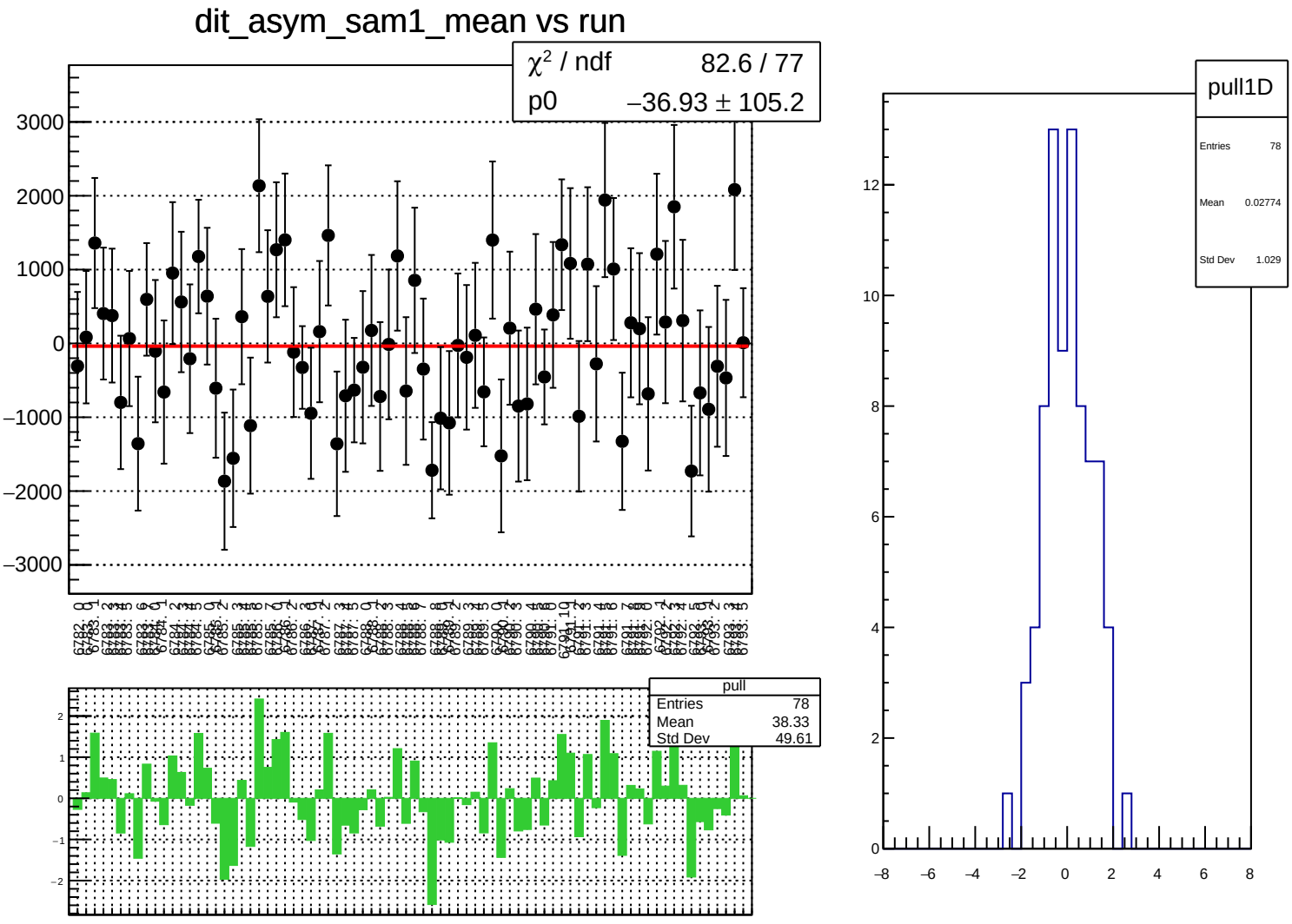

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 57.63 / 77
p0 630.7 ± 8037
pull
Entries 78
Mean −27.44
Std Dev 103.9
pull1D
Entries 78
Mean −0.004839
Std Dev 0.8595


asym_atr2_correction_rms vs run
χ^2 / ndf 2719 / 77
p0 7109 ± 5.683
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200

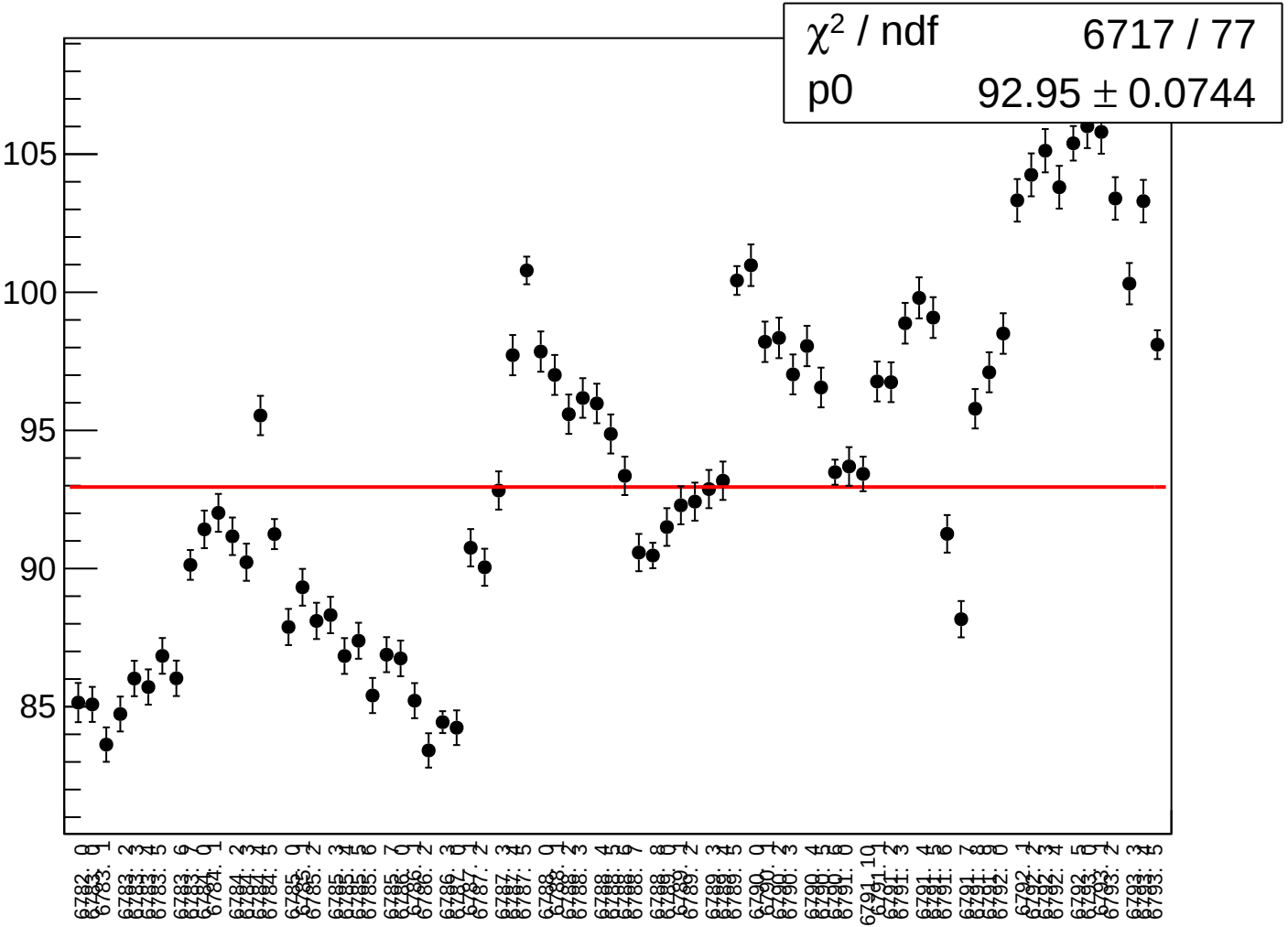

asym_atr2_mean vs run
×10^3
χ² / ndf 66.02 / 77
p0 −527.4 ± 8356
pull
Entries 78
Mean 833.3
Std Dev 776.6

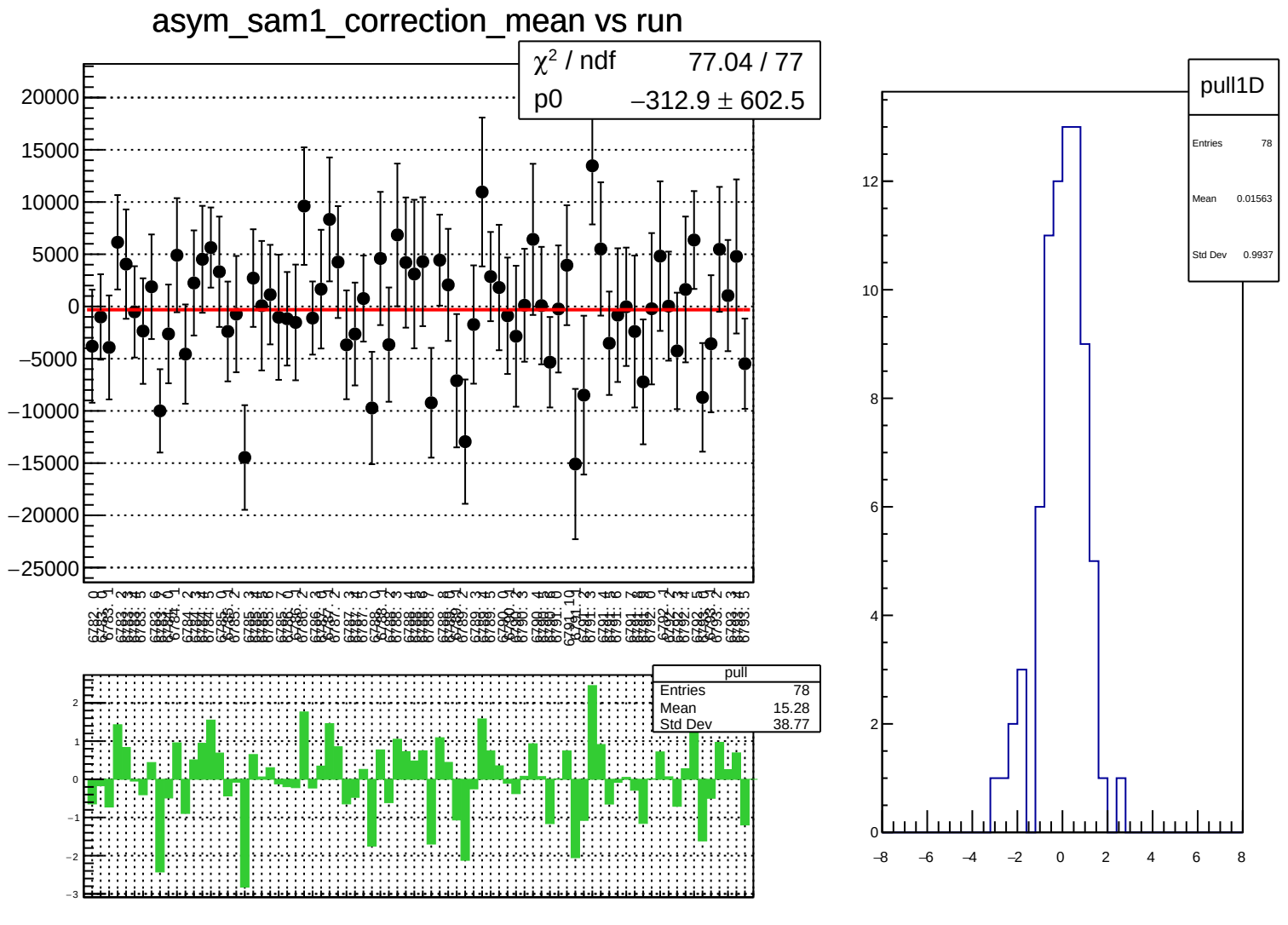

pull1D
Entries 78
Mean −0.002808
Std Dev 0.92

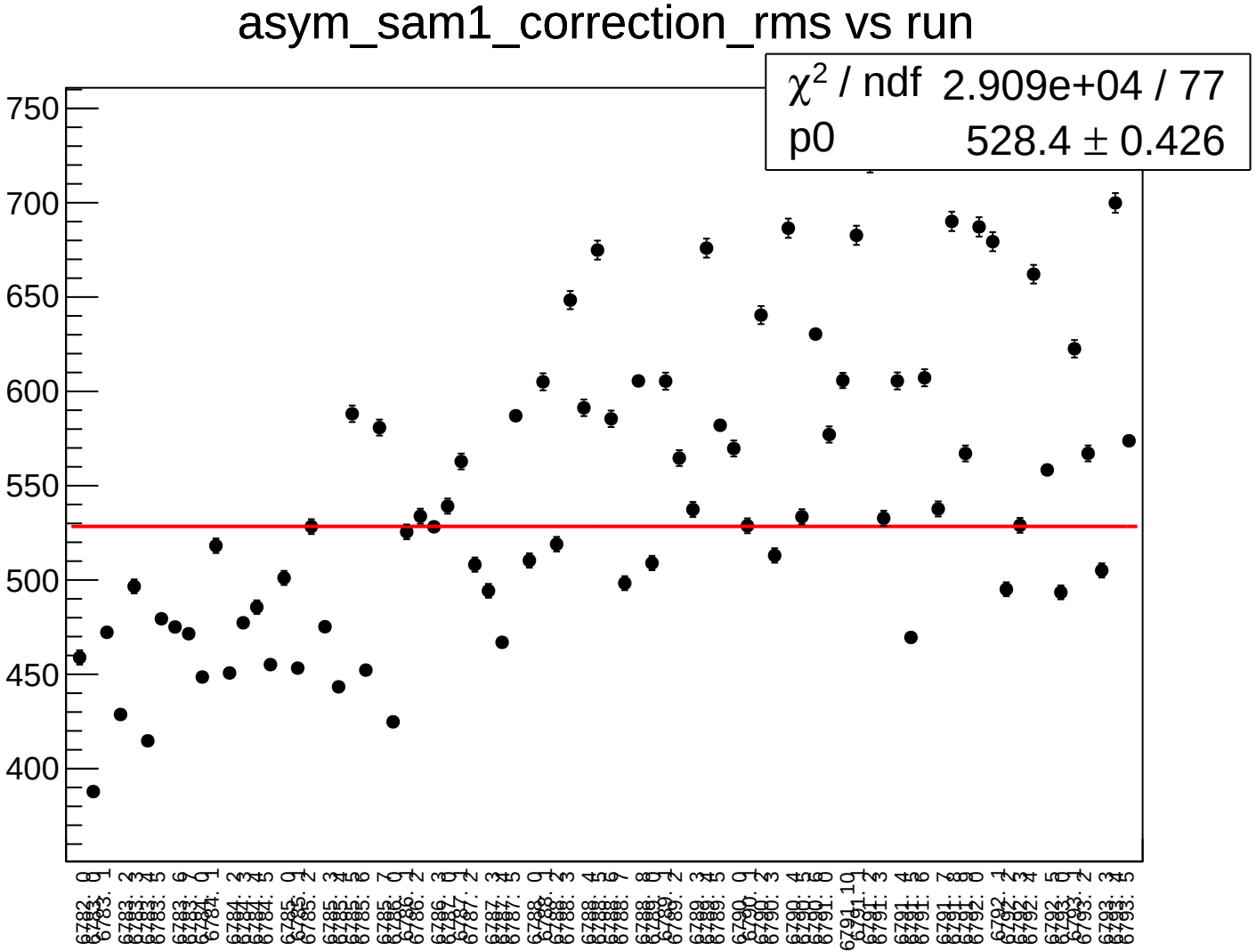

asym_atr2_rms vs run
χ² / ndf 2342 / 77
p0 7392 ± 5.909
8200
8000
7800
7600
7400
7200
7000
6800
6600

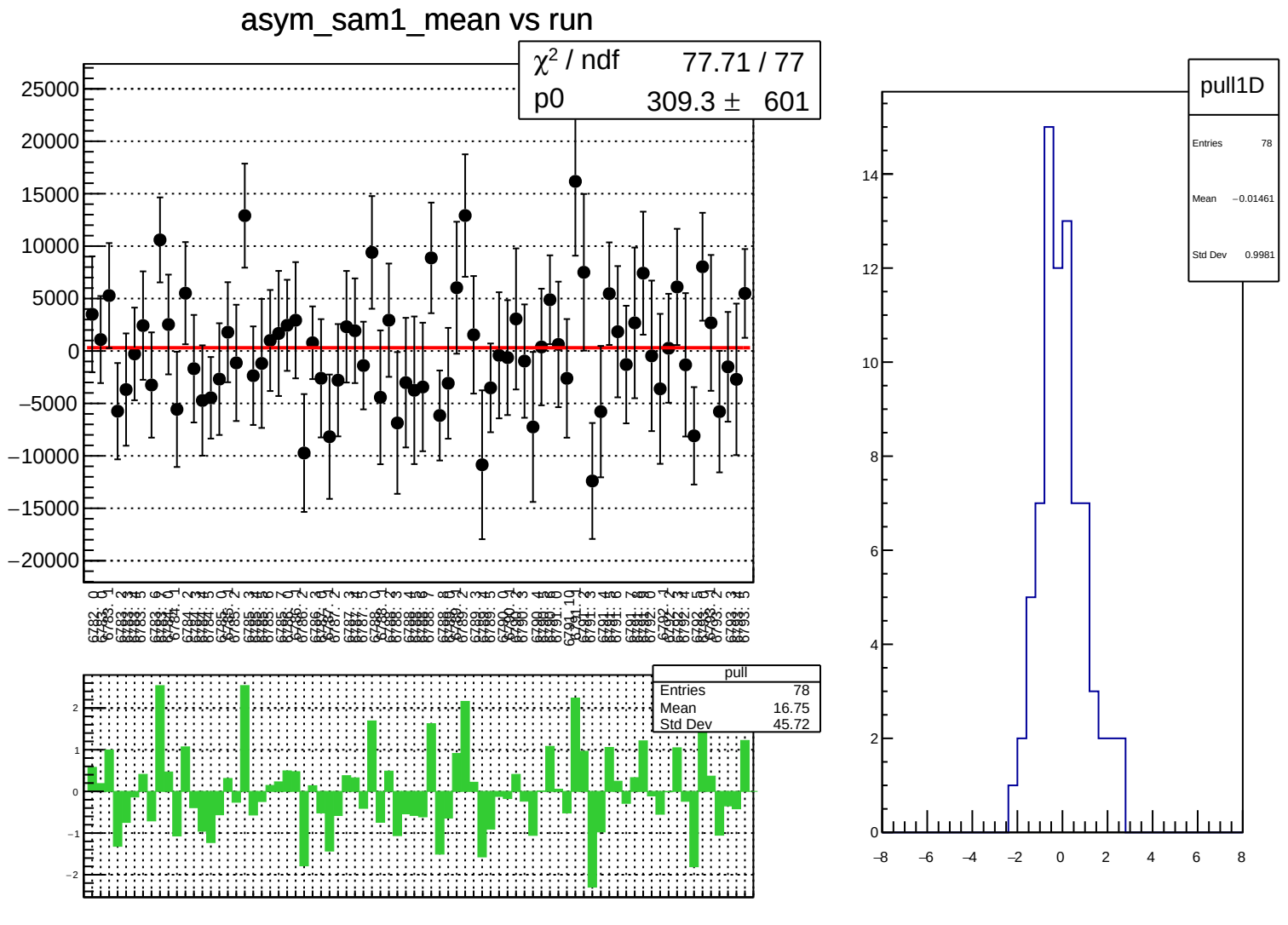

dit_asym_sam1_mean vs run
χ² / ndf 82.6 / 77
p0 −36.93 ± 105.2
pull
Entries 78
Mean 38.33
Std Dev 49.61
pull1D
Entries 78
Mean 0.02774
Std Dev 1.029

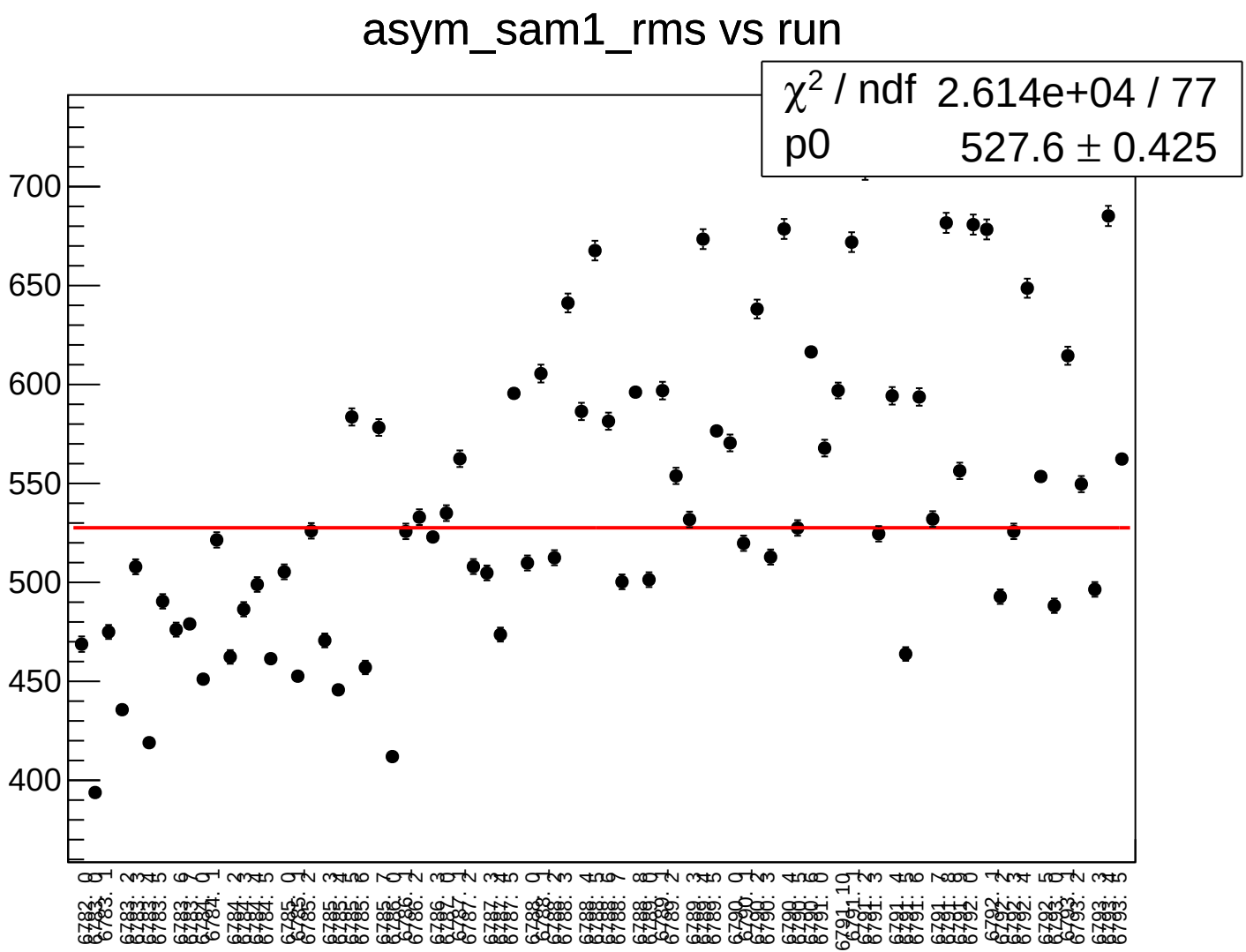
dit_asym_sam1_rms vs run

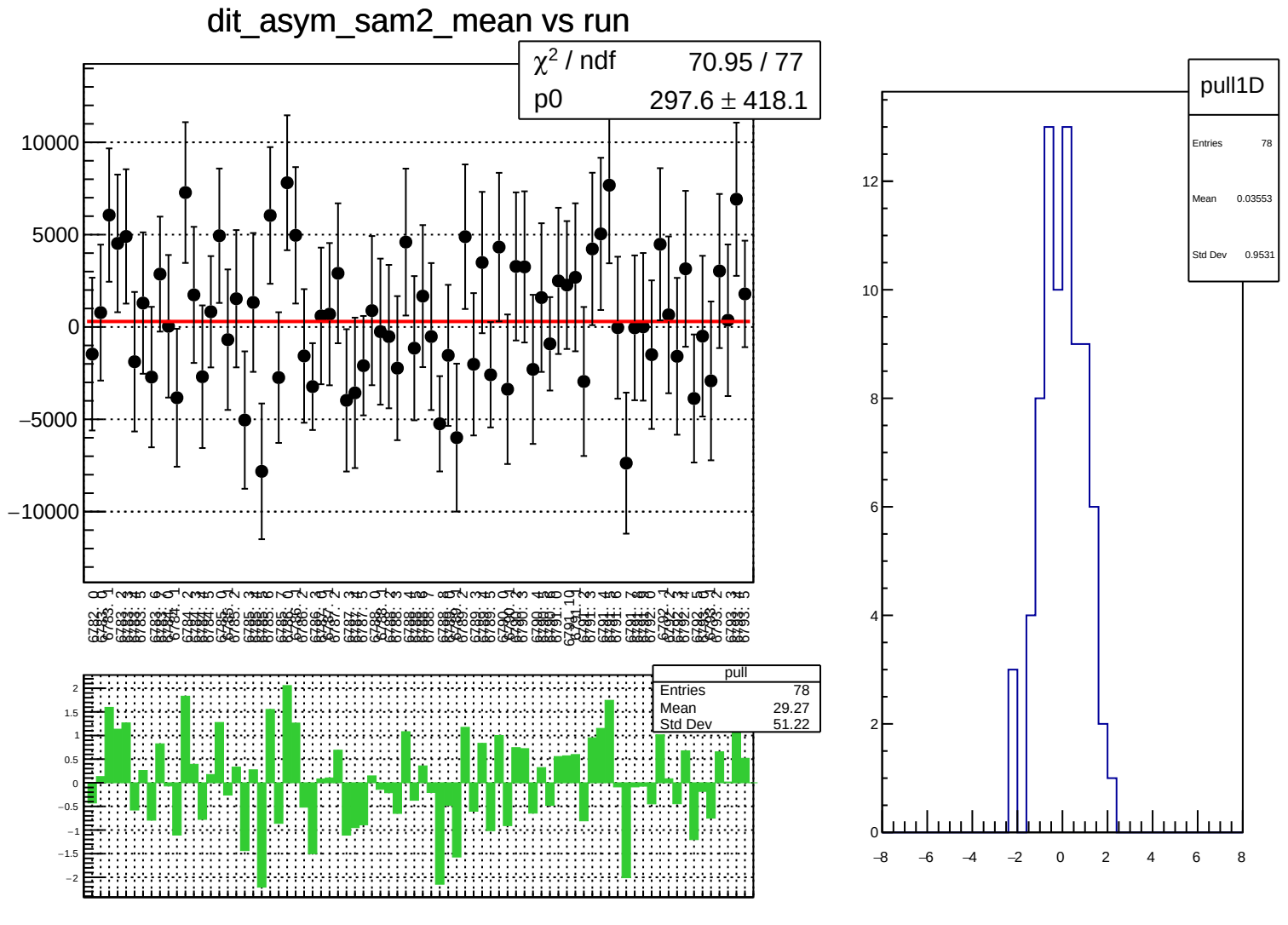


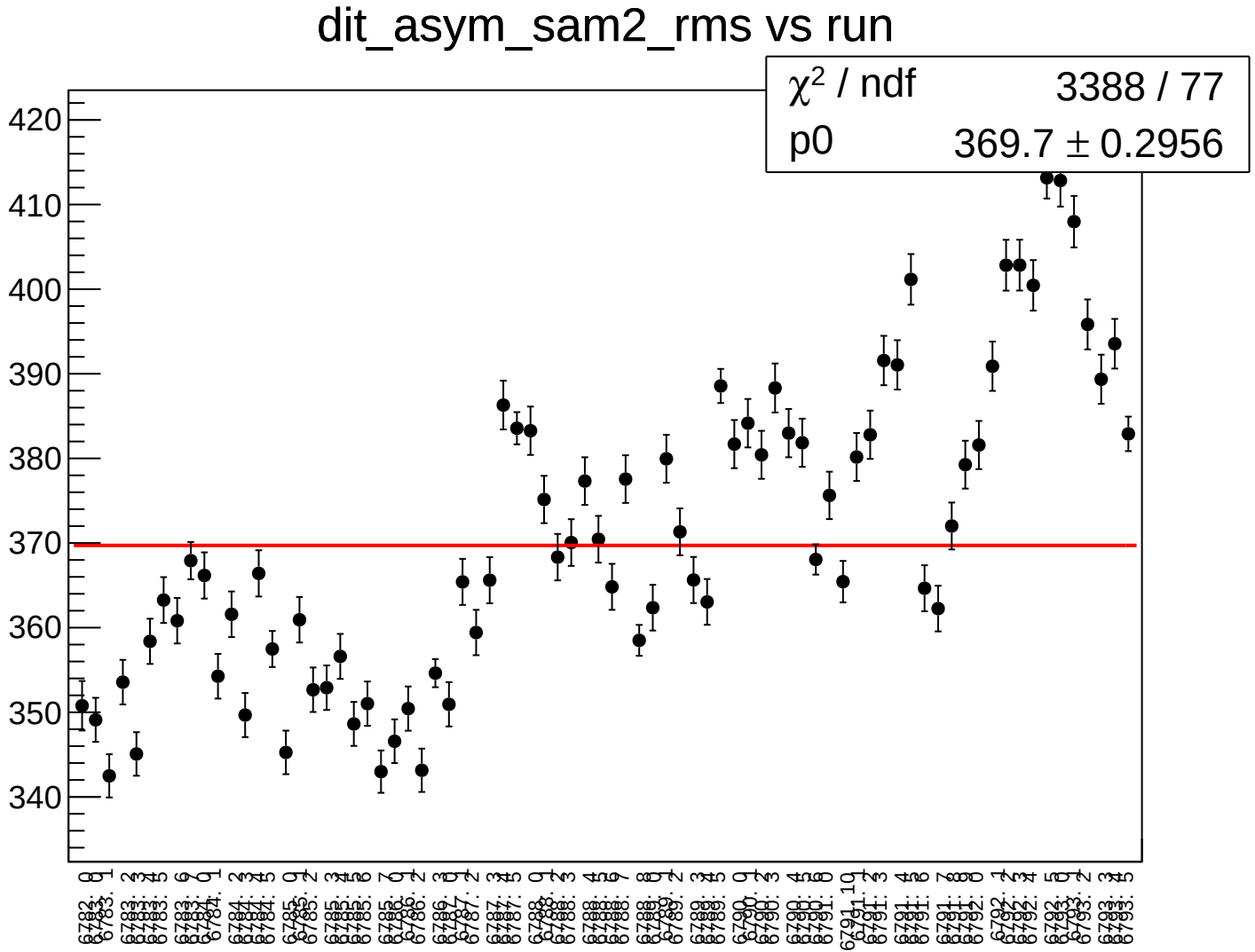

asym_sam1_correction_mean vs run
χ² / ndf 77.04 / 77
p0 −312.9 ± 602.5
pull
Entries 78
Mean 15.28
Std Dev 38.77
pull1D
Entries 78
Mean 0.01563
Std Dev 0.9937

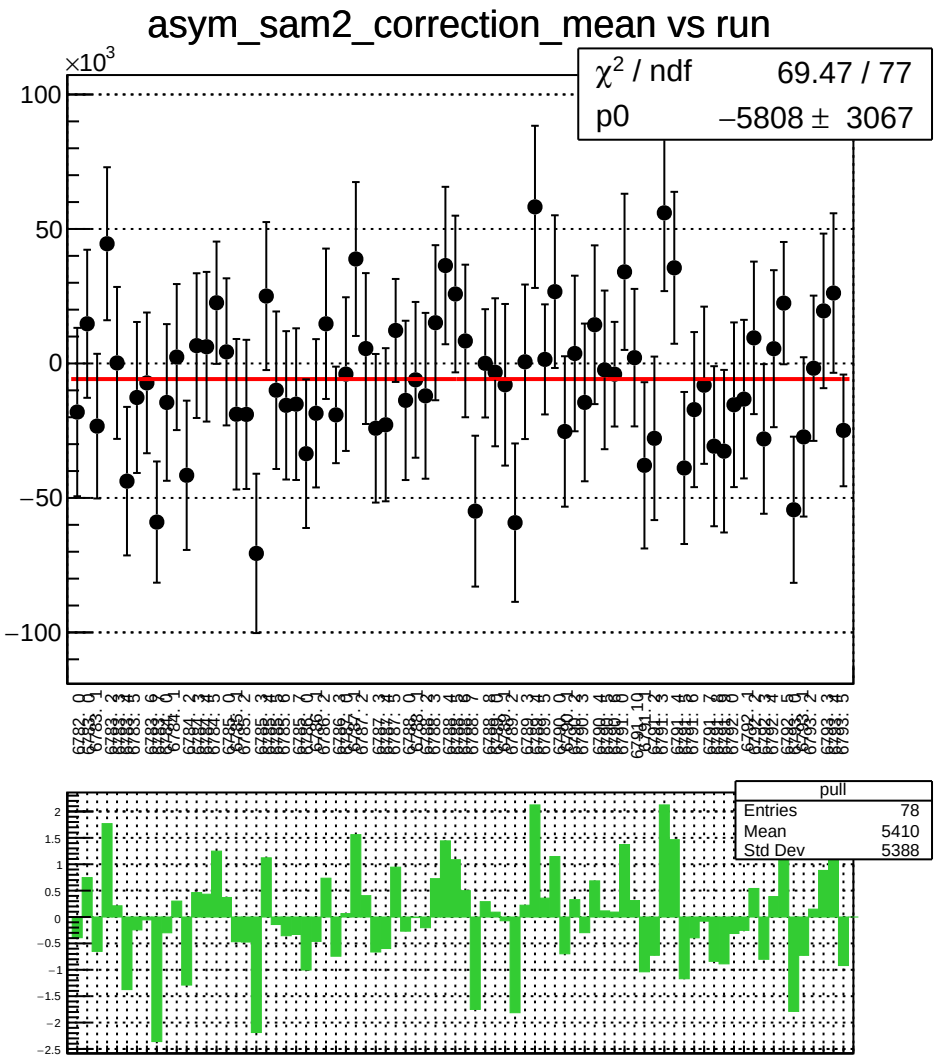

asym_sam1_correction_rms vs run
χ^2 / ndf 2.909e+04 / 77
p0 528.4 ± 0.426
750
700
650
600
550
500
450
400

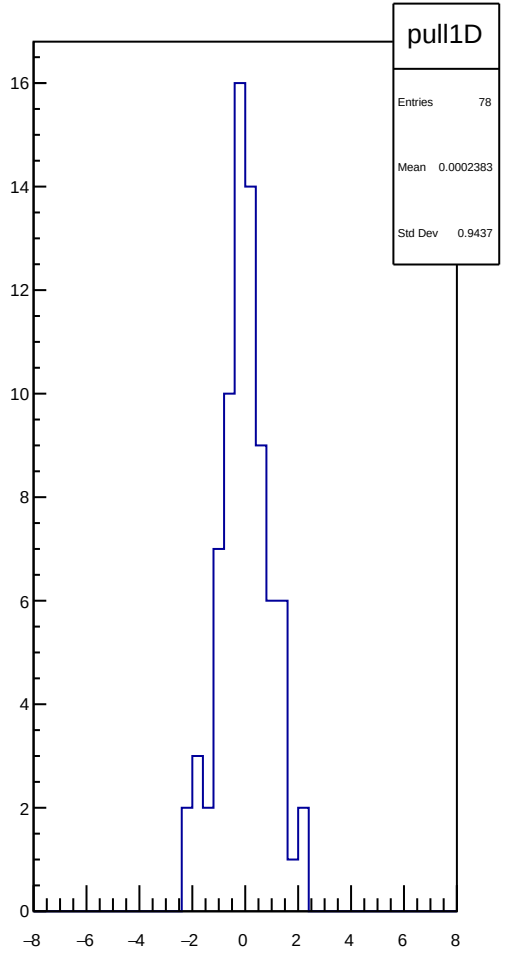

asym_sam1_mean vs run
χ² / ndf 77.71 / 77
p0 309.3 ± 601
pull
Entries 78
Mean 16.75
Std Dev 45.72
pull1D
Entries 78
Mean −0.01461
Std Dev 0.9981

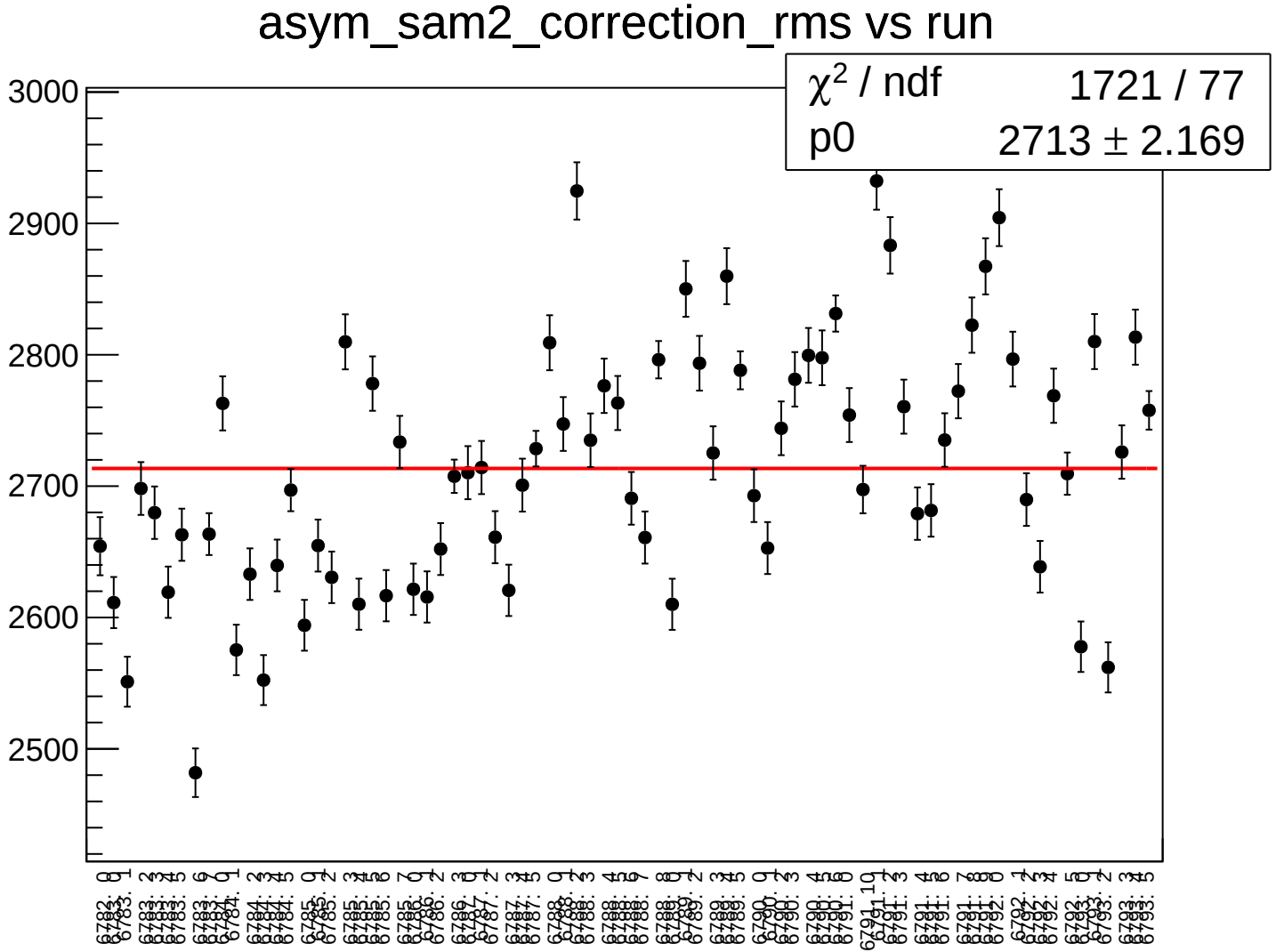

asym_sam1_rms vs run
χ² / ndf 2.614e+04 / 77
p0 527.6 ± 0.425
700
650
600
550
500
450
400

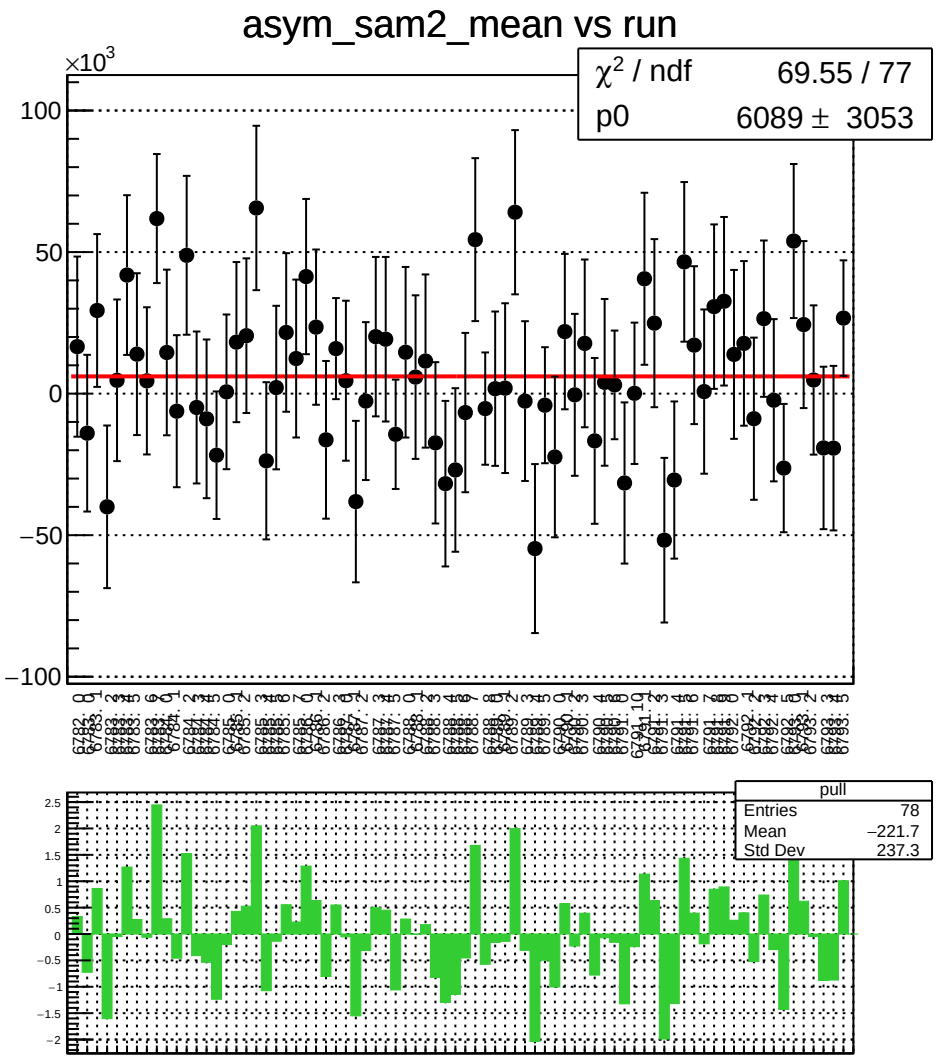

dit_asym_sam2_mean vs run
χ^2 / ndf 70.95 / 77
p0 297.6 ± 418.1
pull
Entries 78
Mean 29.27
Std Dev 51.22
pull1D
Entries 78
Mean 0.03553
Std Dev 0.9531

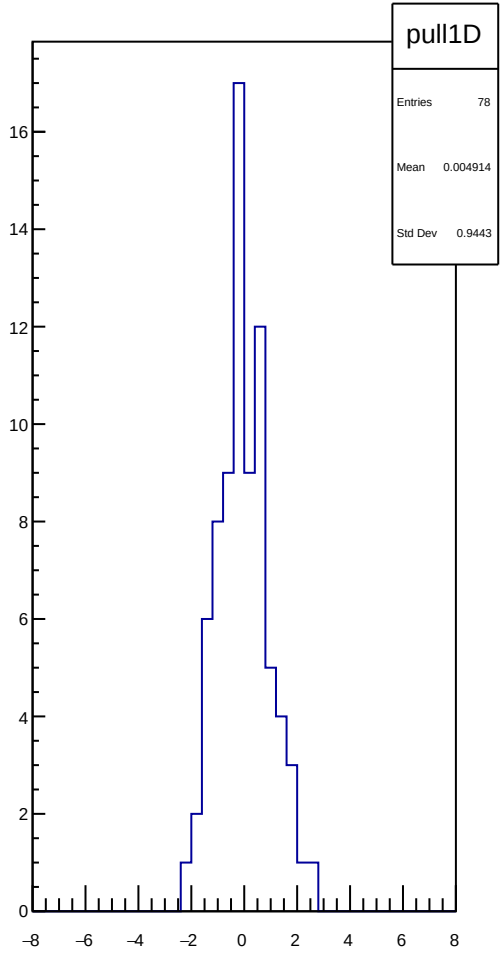

dit_asym_sam2_rms vs run
χ^2 / ndf 3388 / 77
p0 369.7 ± 0.2956
420
410
400
390
380
370
360
350
340

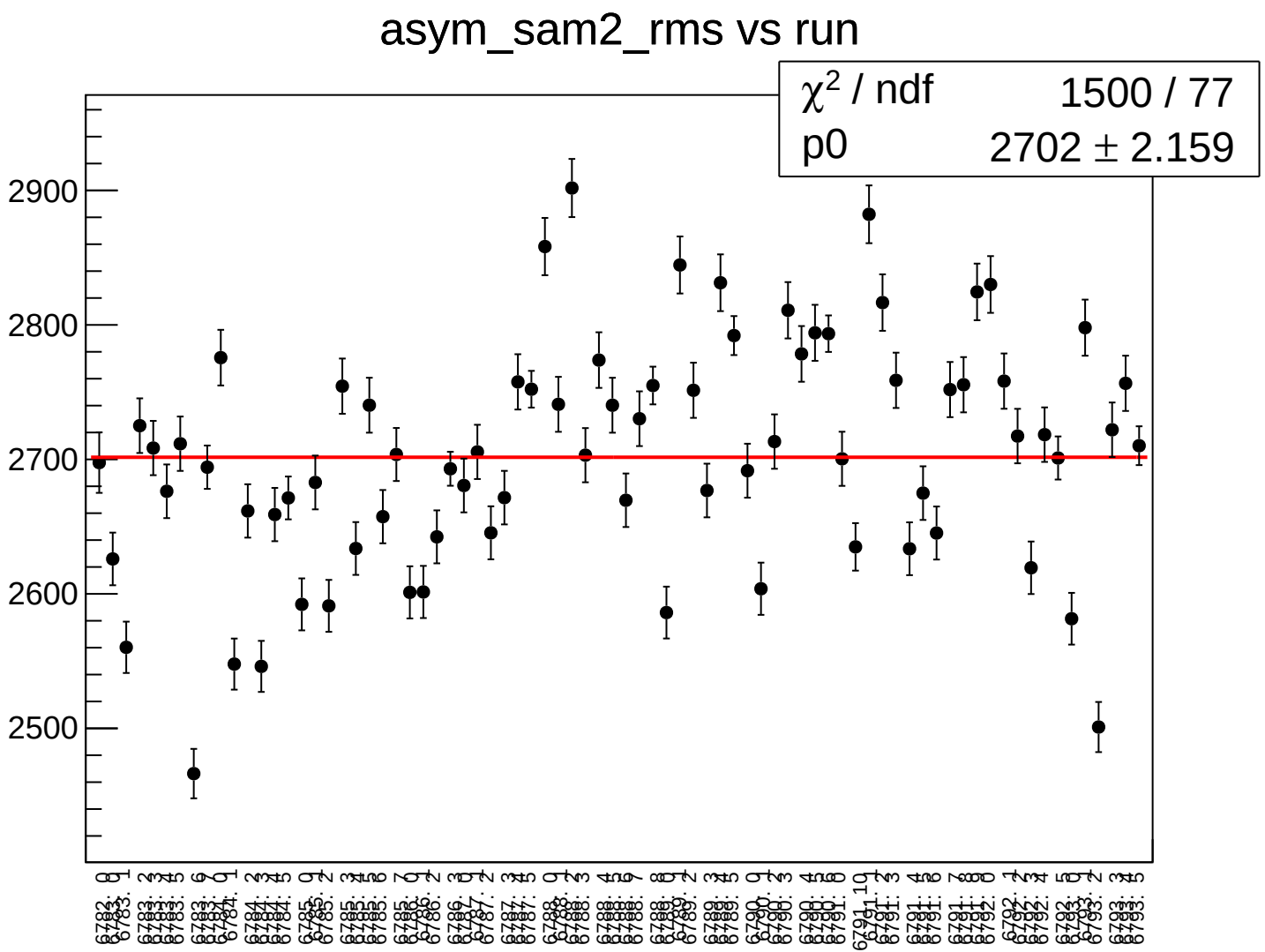

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 69.47 / 77
p0 −5808 ± 3067
pull
Entries 78
Mean 5410
Std Dev 5388

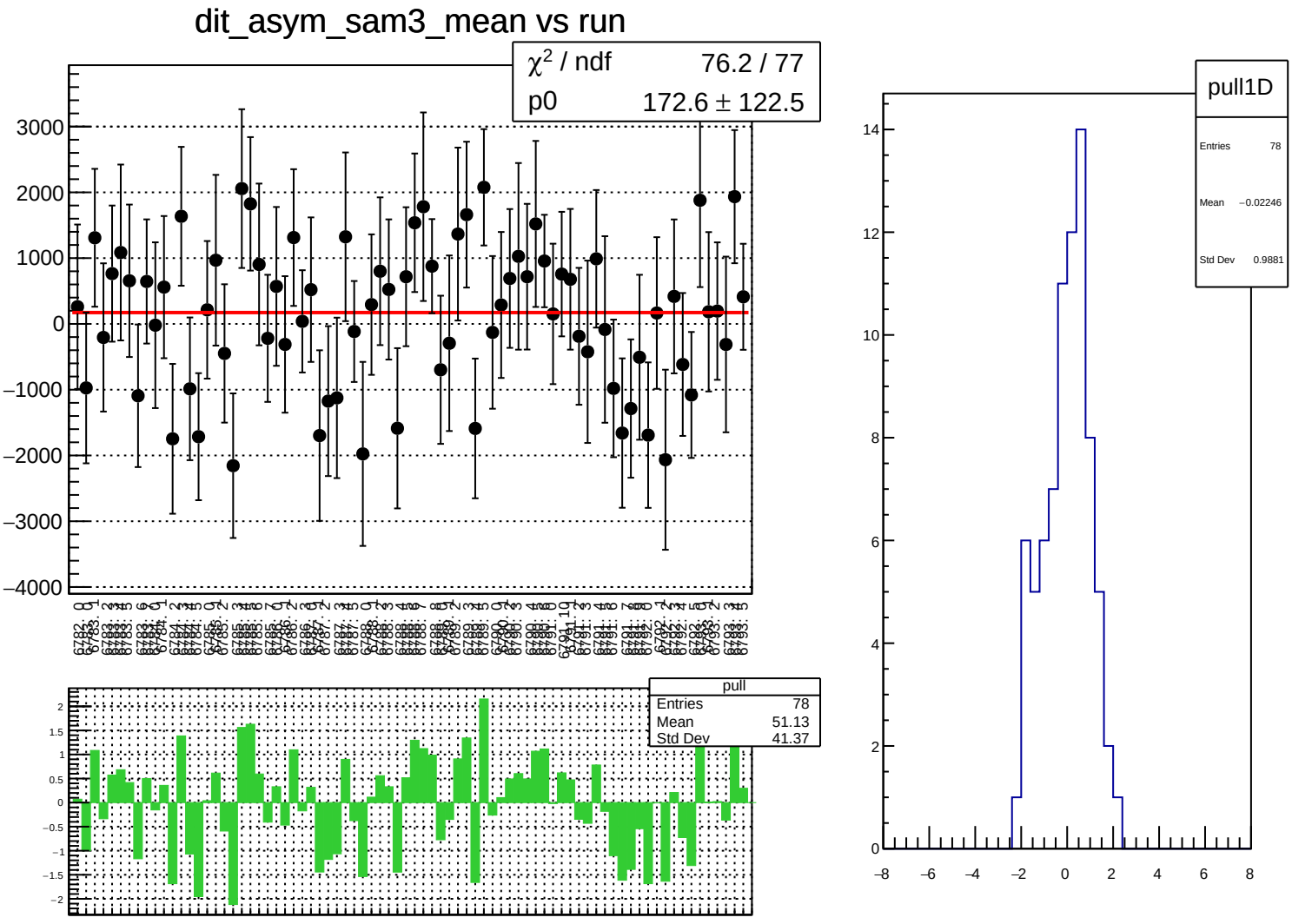

pull1D
Entries 78
Mean 0.0002383
Std Dev 0.9437

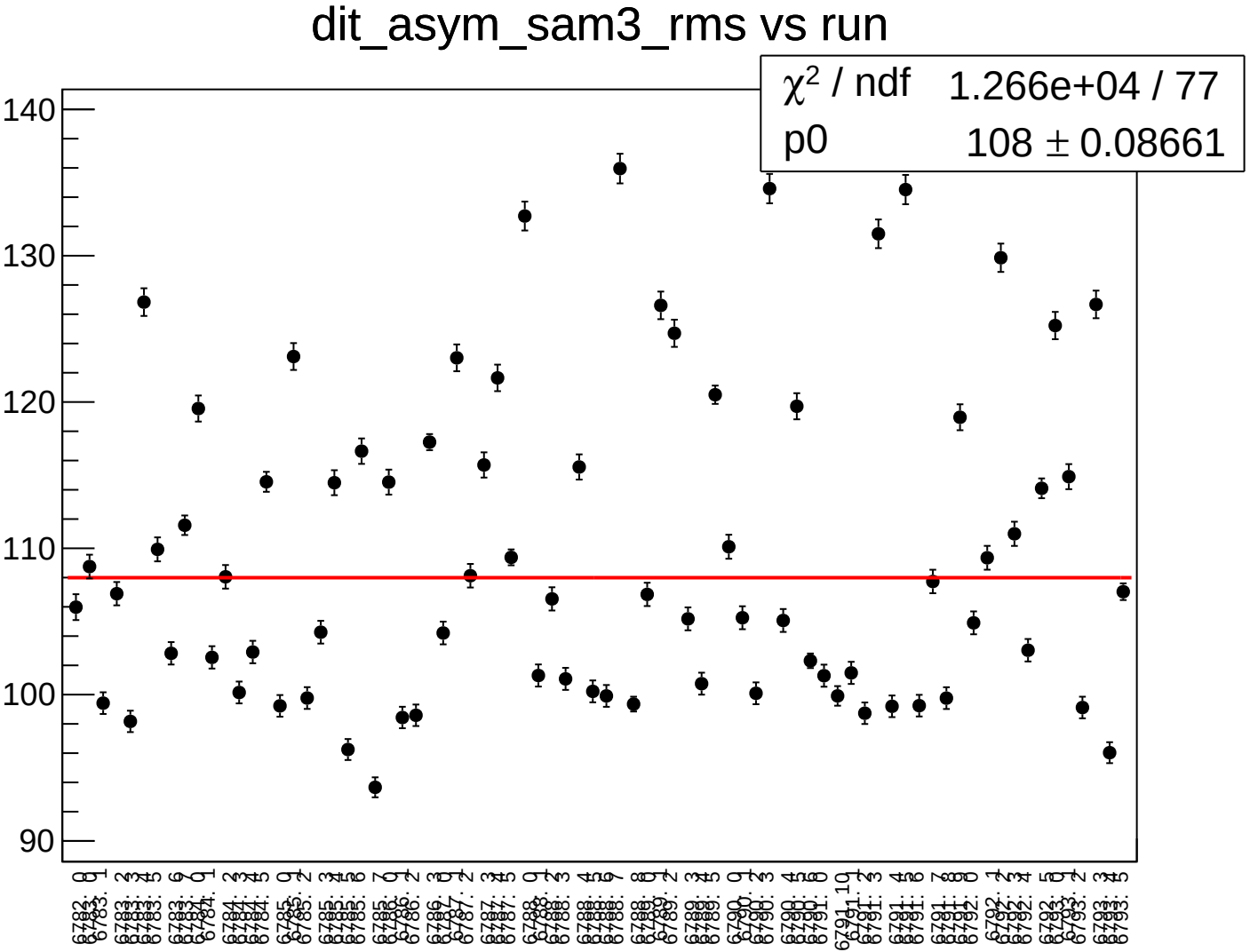

asym_sam2_correction_rms vs run
χ² / ndf 1721 / 77
p0 2713 ± 2.169
3000
2900
2800
2700
2600
2500

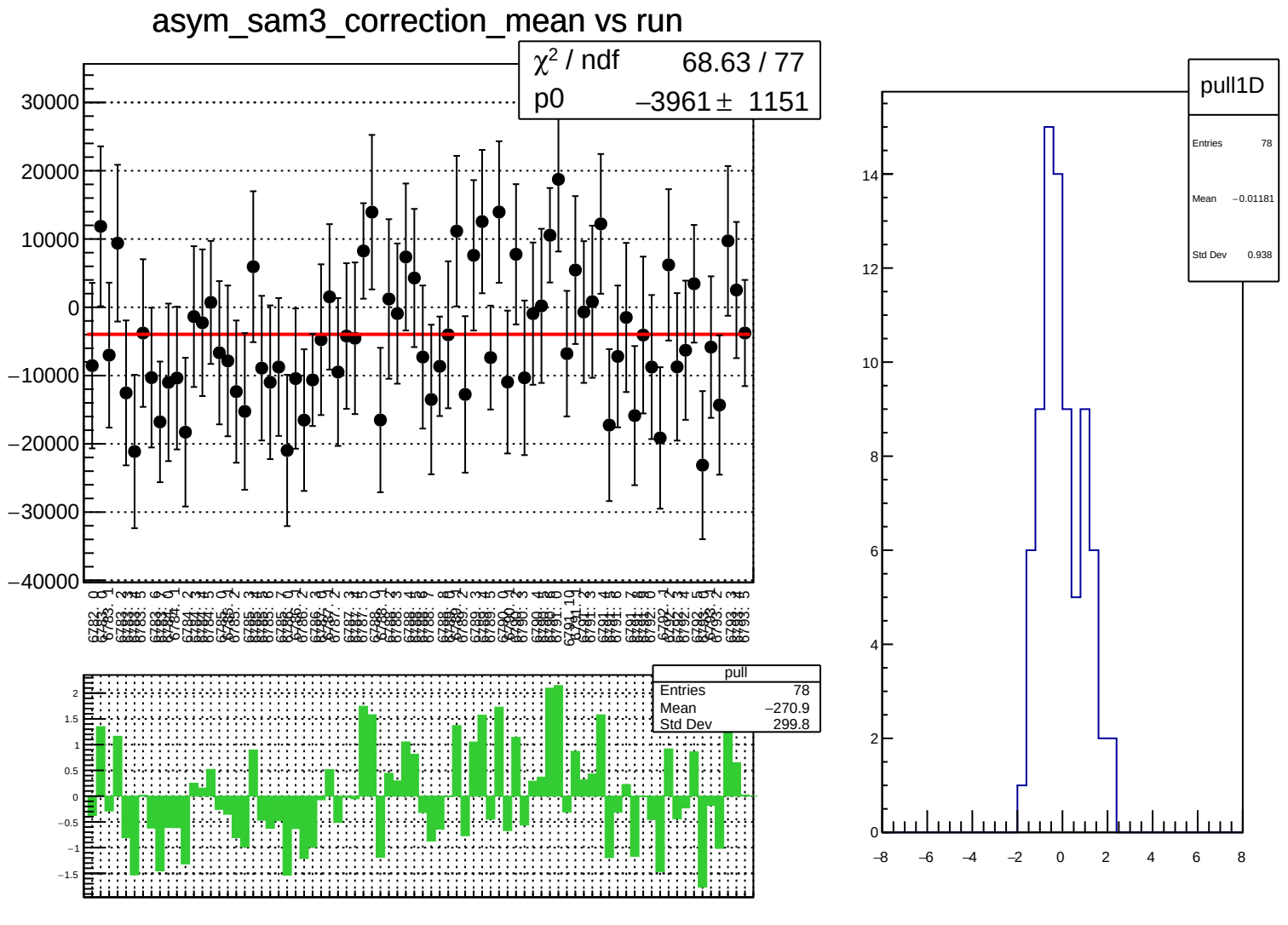

asym_sam2_mean vs run
×10^3
χ² / ndf 69.55 / 77
p0 6089 ± 3053
pull
Entries 78
Mean −221.7
Std Dev 237.3


pull1D
Entries 78
Mean 0.004914
Std Dev 0.9443

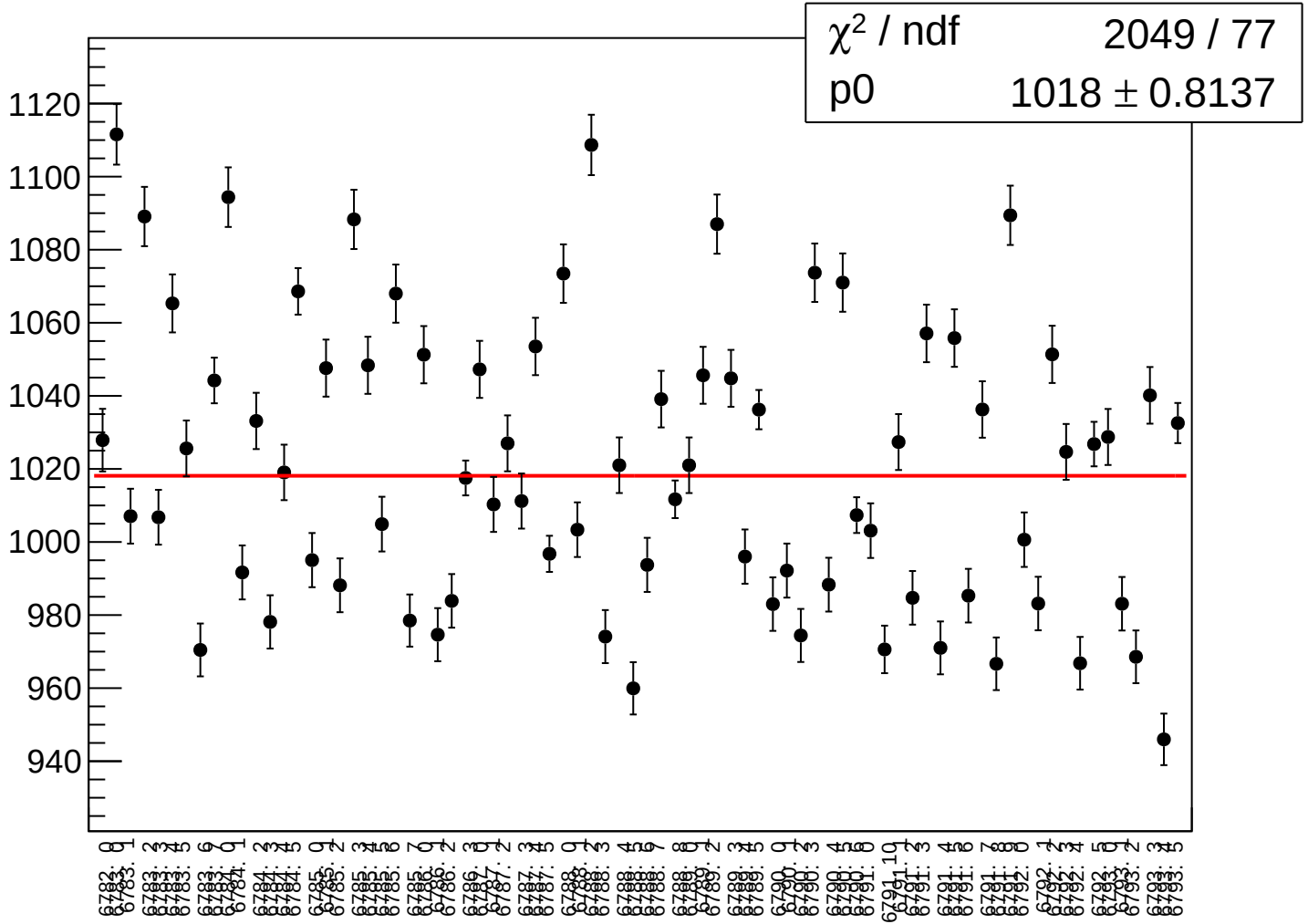

asym_sam2_rms vs run
χ2 / ndf 1500 / 77
p0 2702 ± 2.159
2900
2800
2700
2600
2500

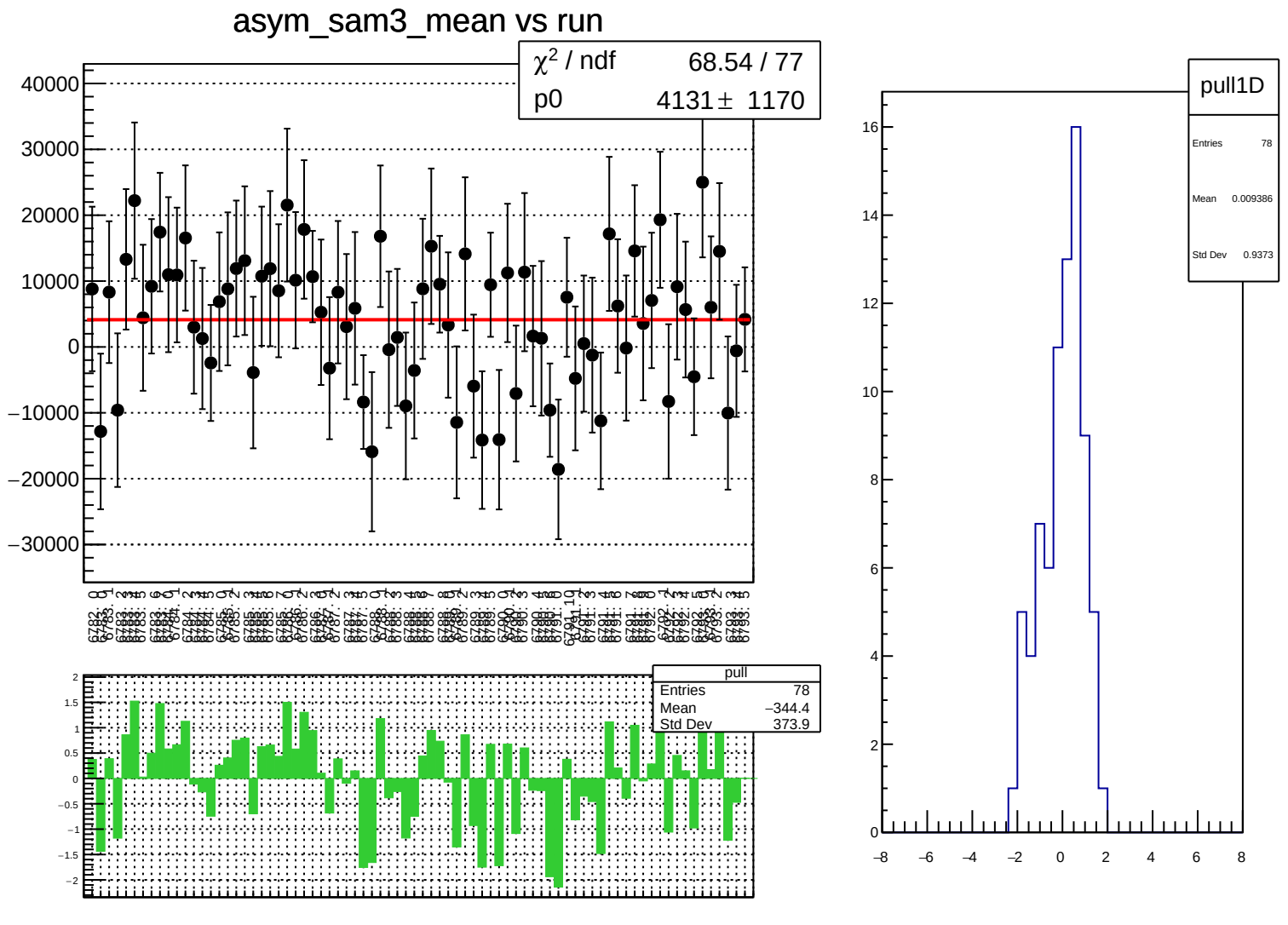

dit_asym_sam3_mean vs run
χ^2 / ndf 76.2 / 77
p0 172.6 ± 122.5
pull
Entries 78
Mean 51.13
Std Dev 41.37
pull1D
Entries 78
Mean −0.02246
Std Dev 0.9881

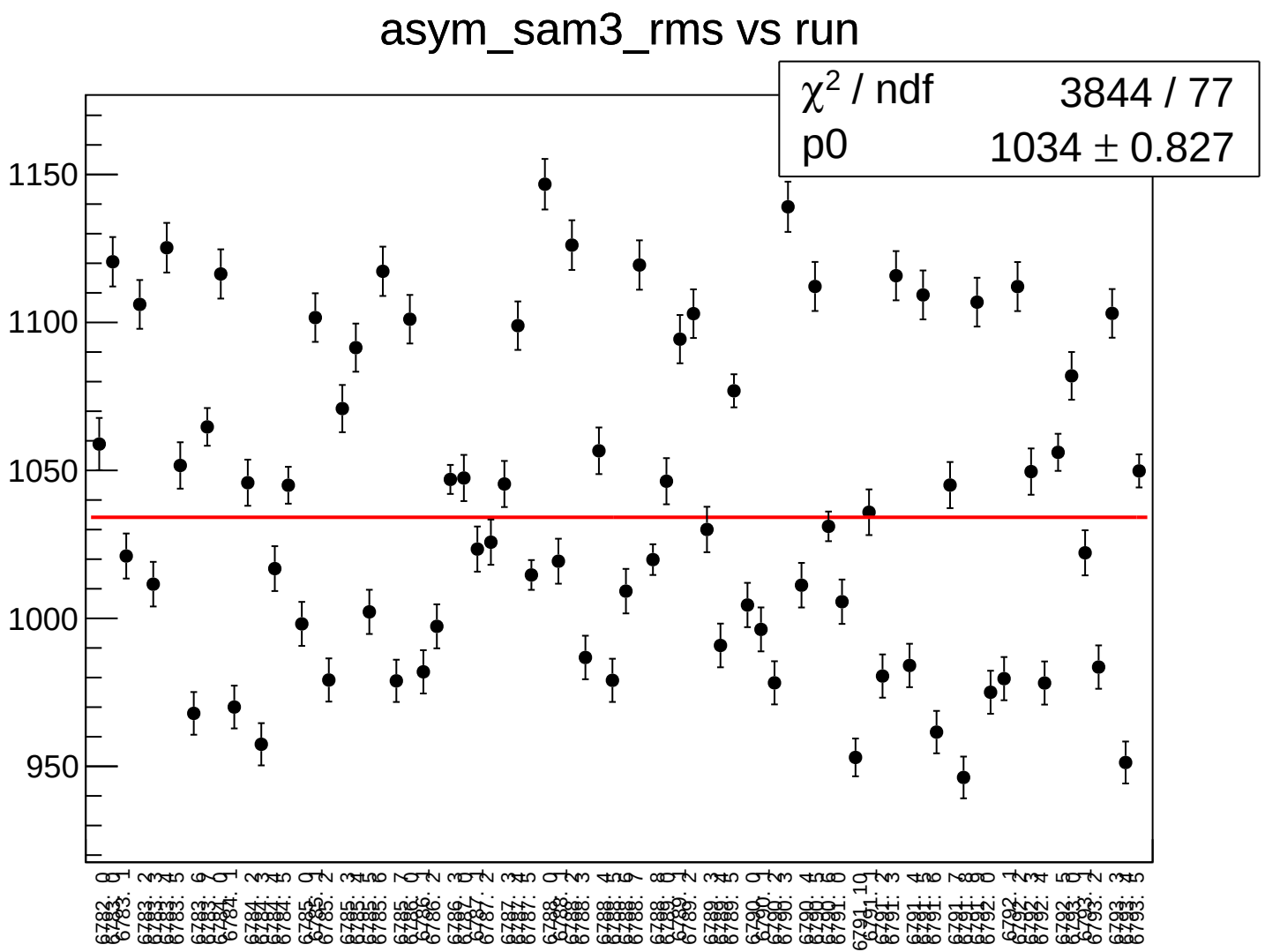

dit_asym_sam3_rms vs run
χ^2 / ndf 1.266e+04 / 77
p0 108 ± 0.08661
140
130
120
110
100
90

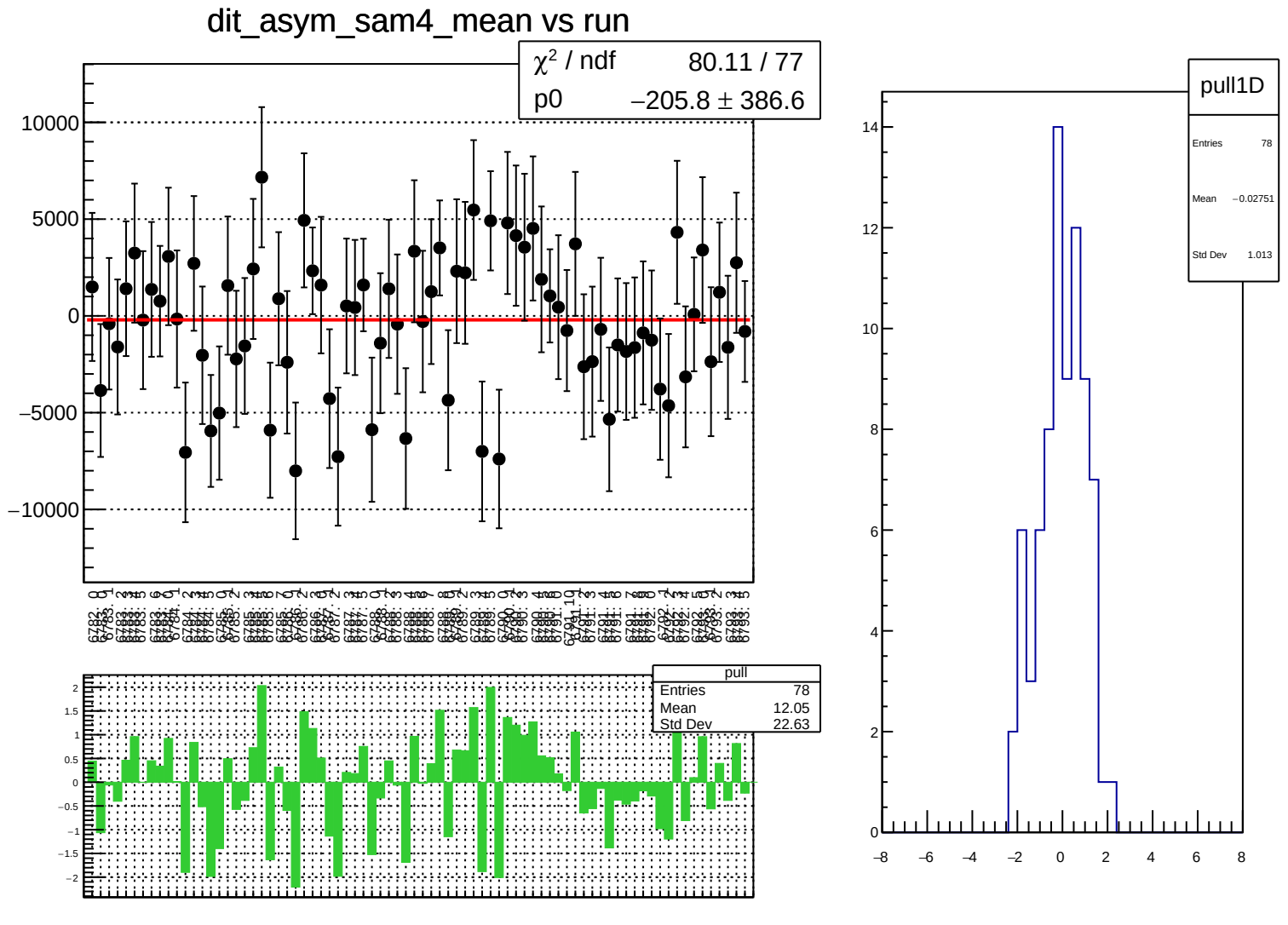

asym_sam3_correction_mean vs run
χ² / ndf 68.63 / 77
p0 −3961 ± 1151
pull
Entries 78
Mean −270.9
Std Dev 299.8
pull1D
Entries 78
Mean −0.01181
Std Dev 0.938

asym_sam3_correction_rms vs run

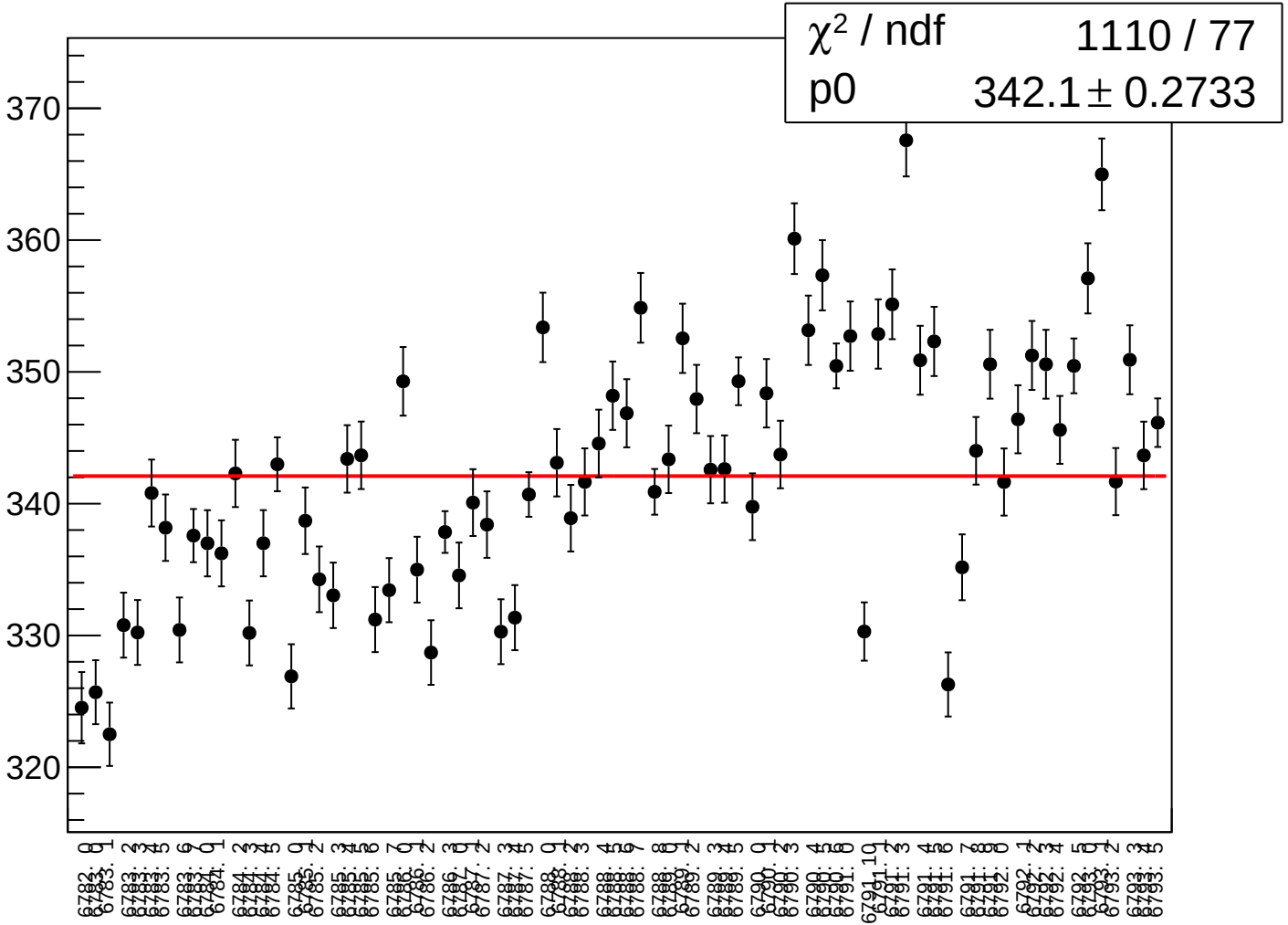


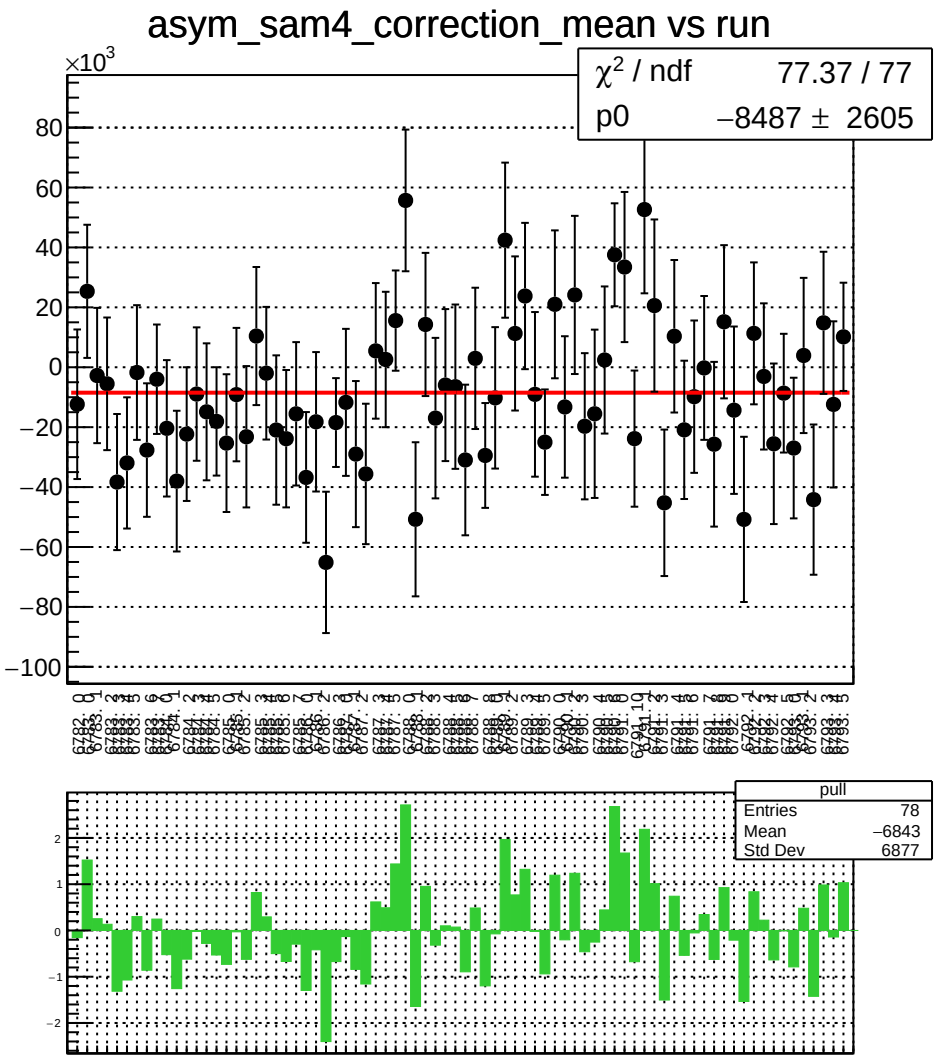

asym_sam3_mean vs run
χ² / ndf 68.54 / 77
p0 4131 ± 1170
pull
Entries 78
Mean −344.4
Std Dev 373.9
pull1D
Entries 78
Mean 0.009386
Std Dev 0.9373

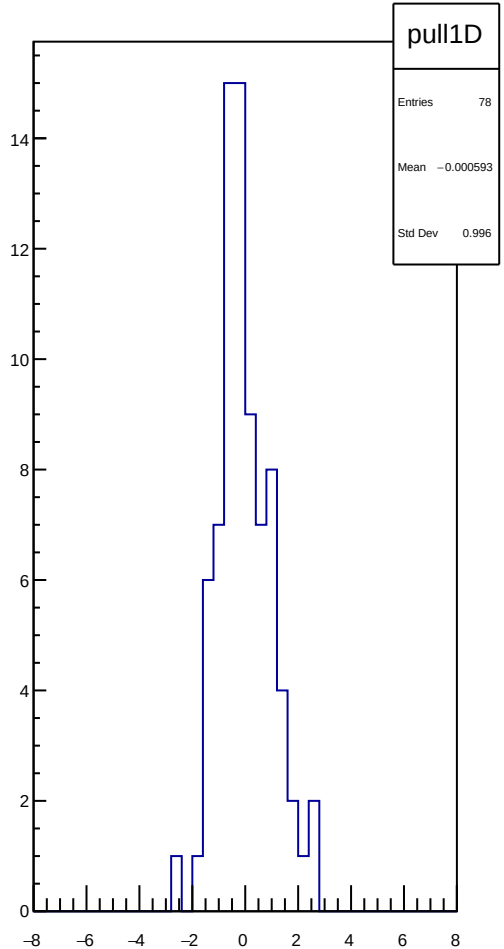

asym_sam3_rms vs run
χ² / ndf 3844 / 77
p0 1034 ± 0.827
1150
1100
1050
1000
950

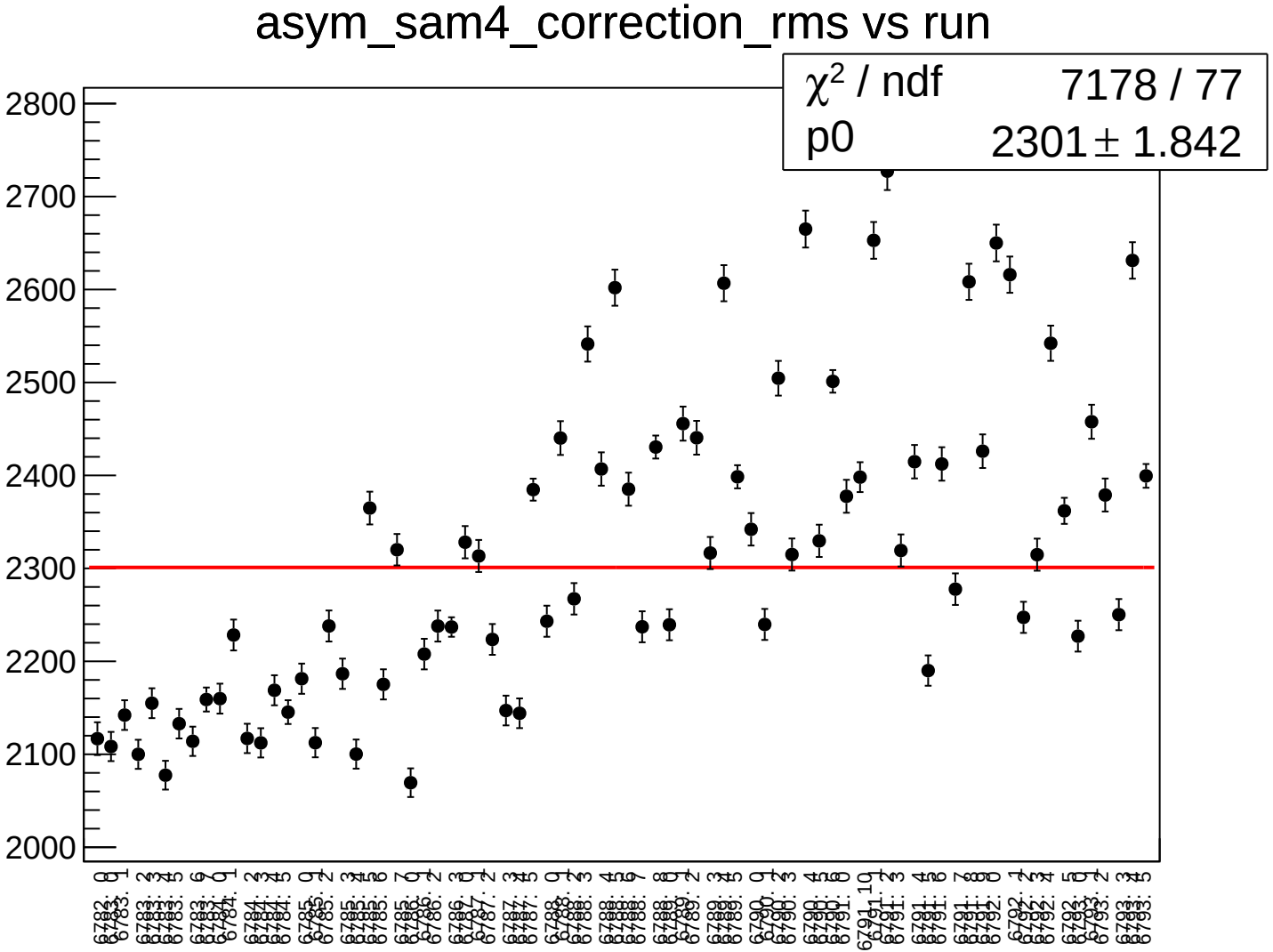

dit_asym_sam4_mean vs run
χ² / ndf 80.11 / 77
p0 −205.8 ± 386.6
pull
Entries 78
Mean 12.05
Std Dev 22.63
pull1D
Entries 78
Mean −0.02751
Std Dev 1.013

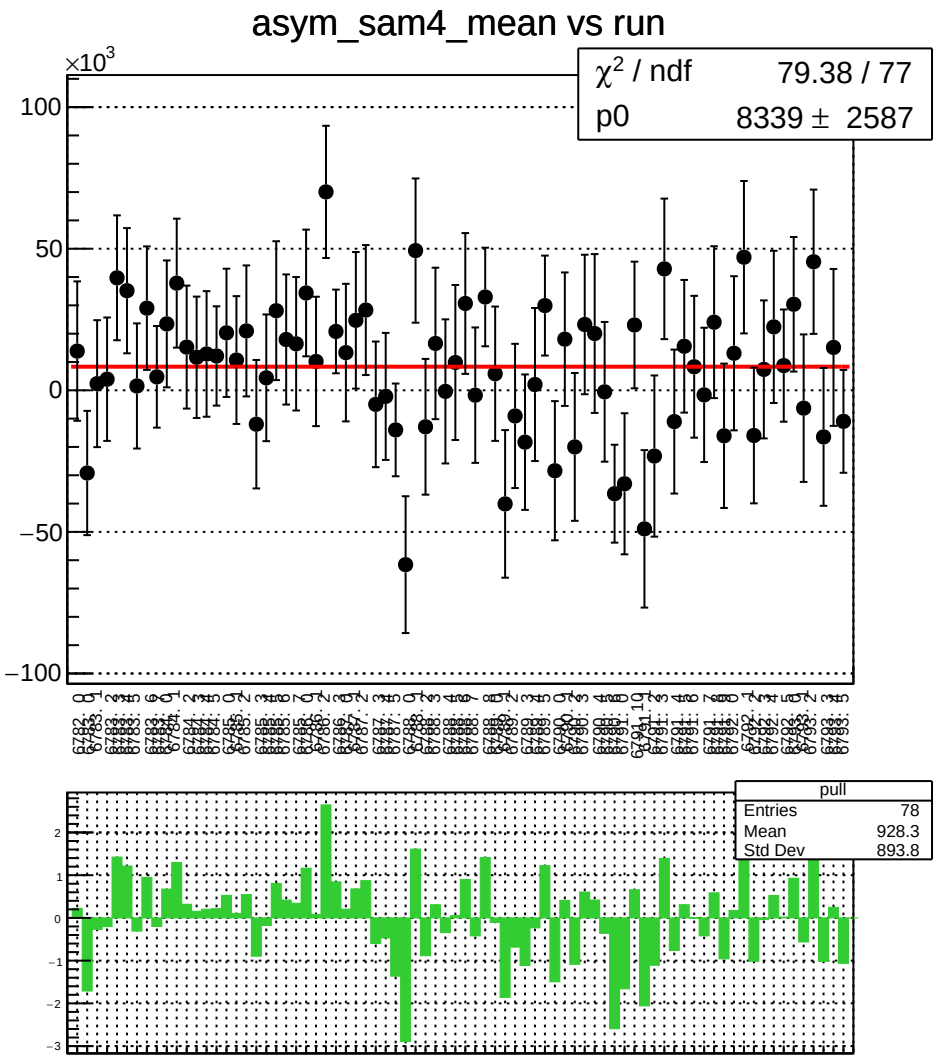
dit_asym_sam4_rms vs run

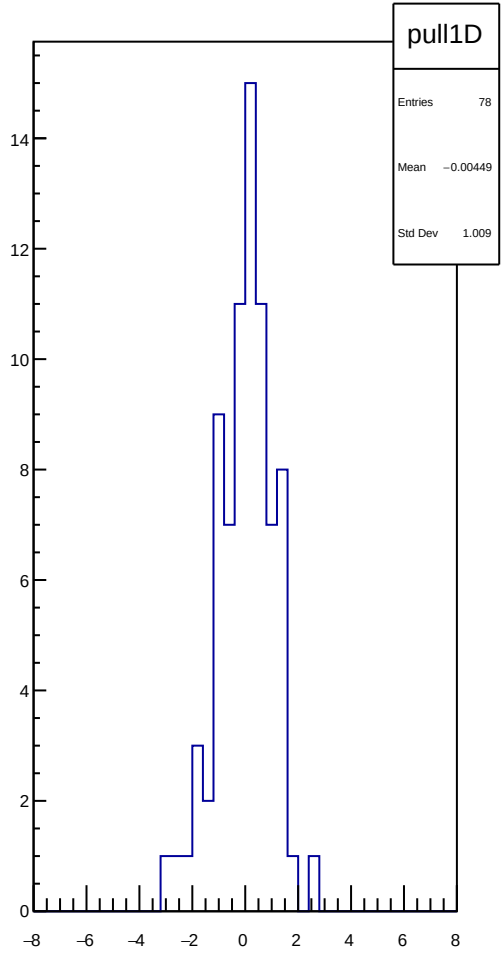


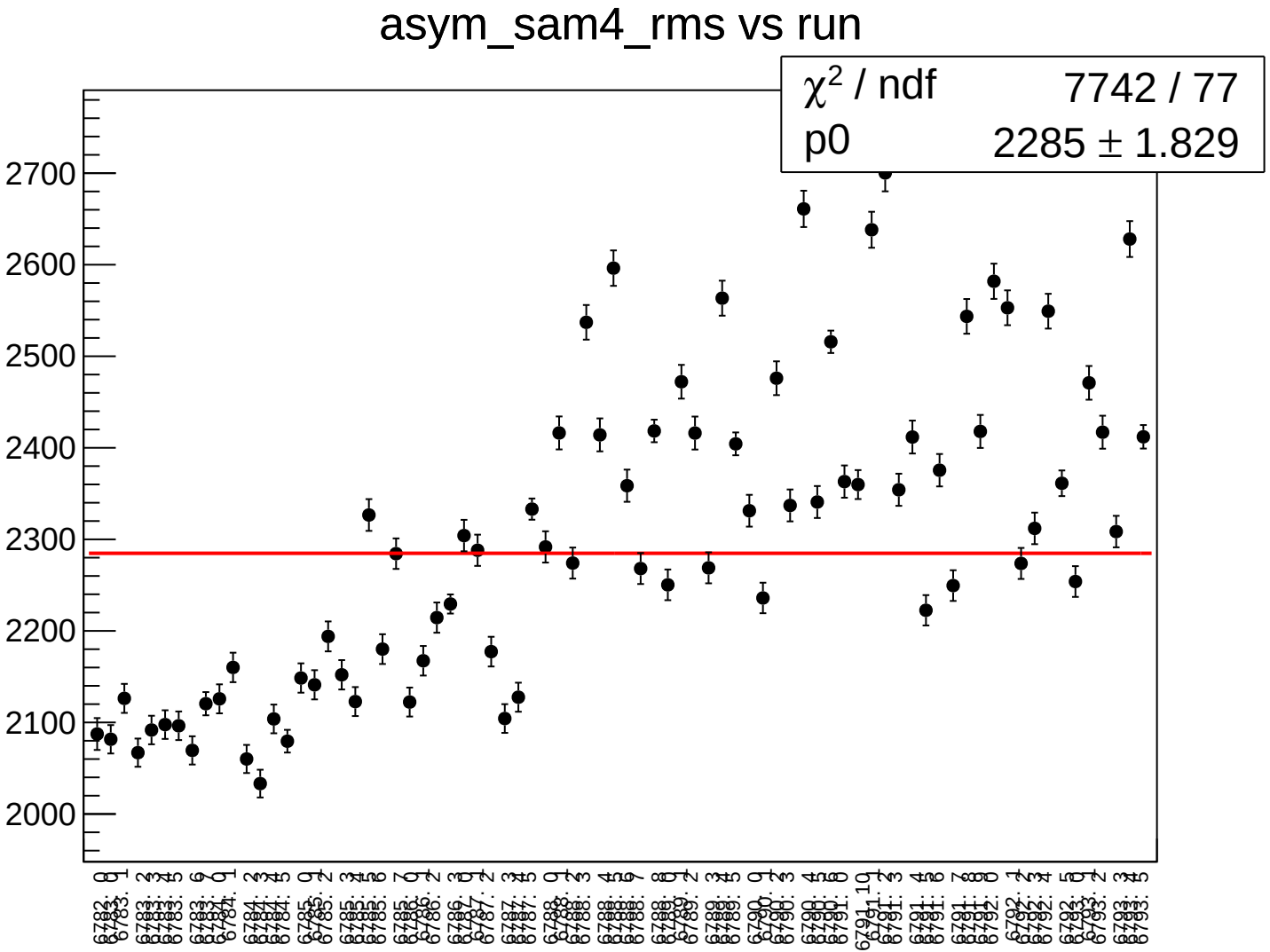

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 77.37 / 77
p0 −8487 ± 2605
pull
Entries 78
Mean −6843
Std Dev 6877

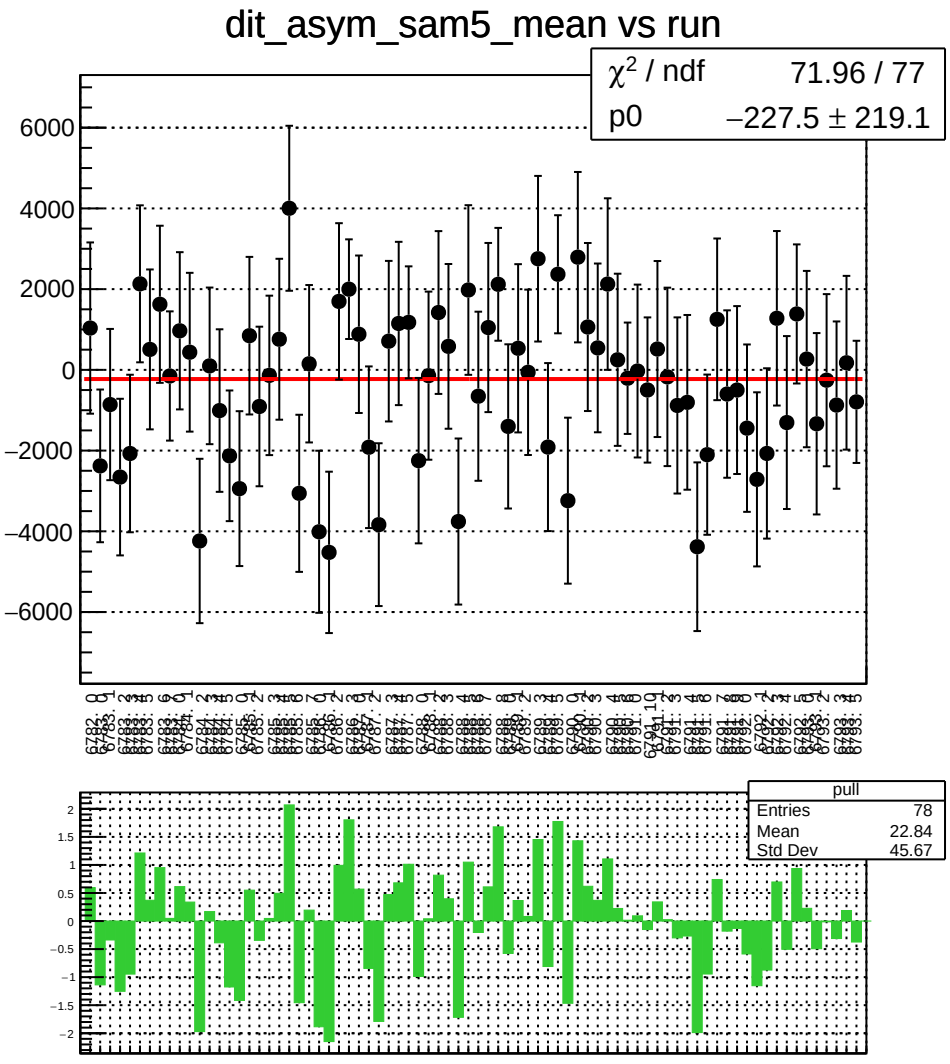

pull1D
Entries 78
Mean −0.000593
Std Dev 0.996

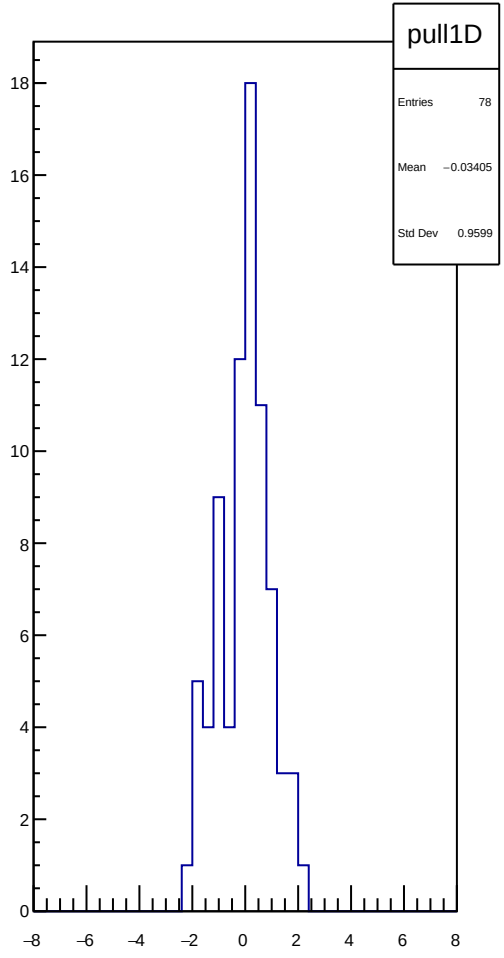

asym_sam4_correction_rms vs run
χ^2 / ndf 7178 / 77
p0 2301 ± 1.842
2800
2700
2600
2500
2400
2300
2200
2100
2000

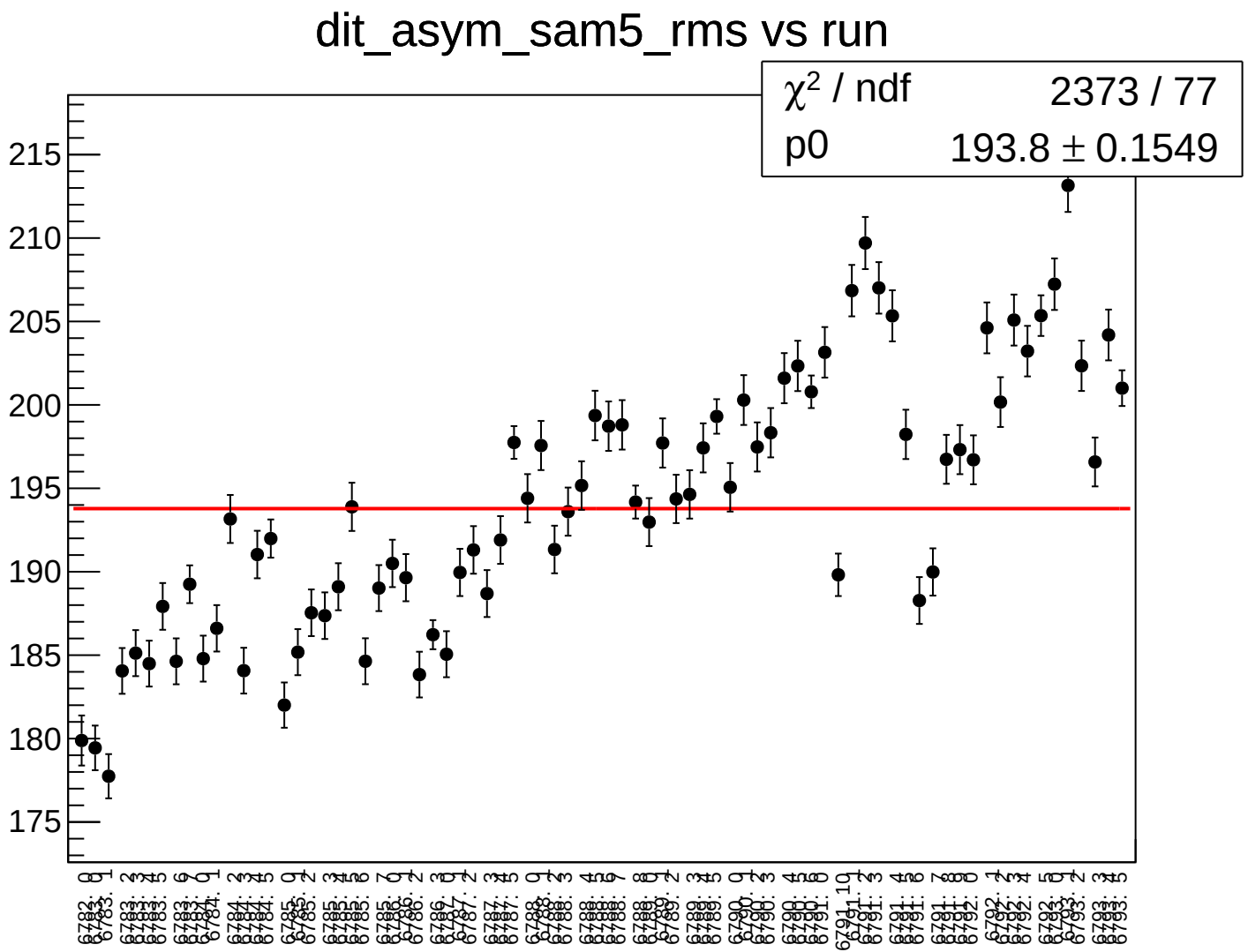

asym_sam4_mean vs run
×10^3
χ² / ndf 79.38 / 77
p0 8339 ± 2587
pull
Entries 78
Mean 928.3
Std Dev 893.8

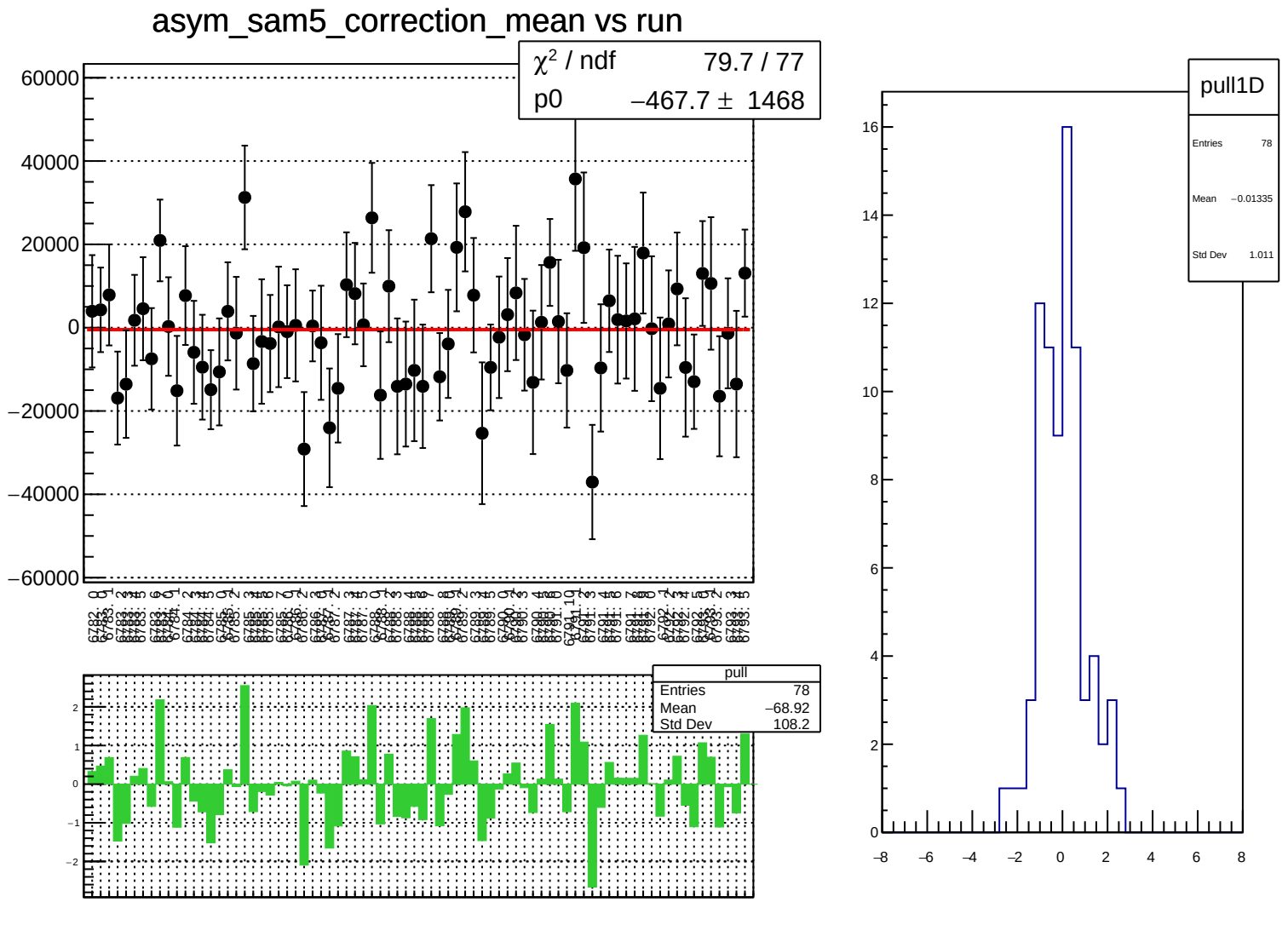

pull1D
Entries 78
Mean −0.00449
Std Dev 1.009


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

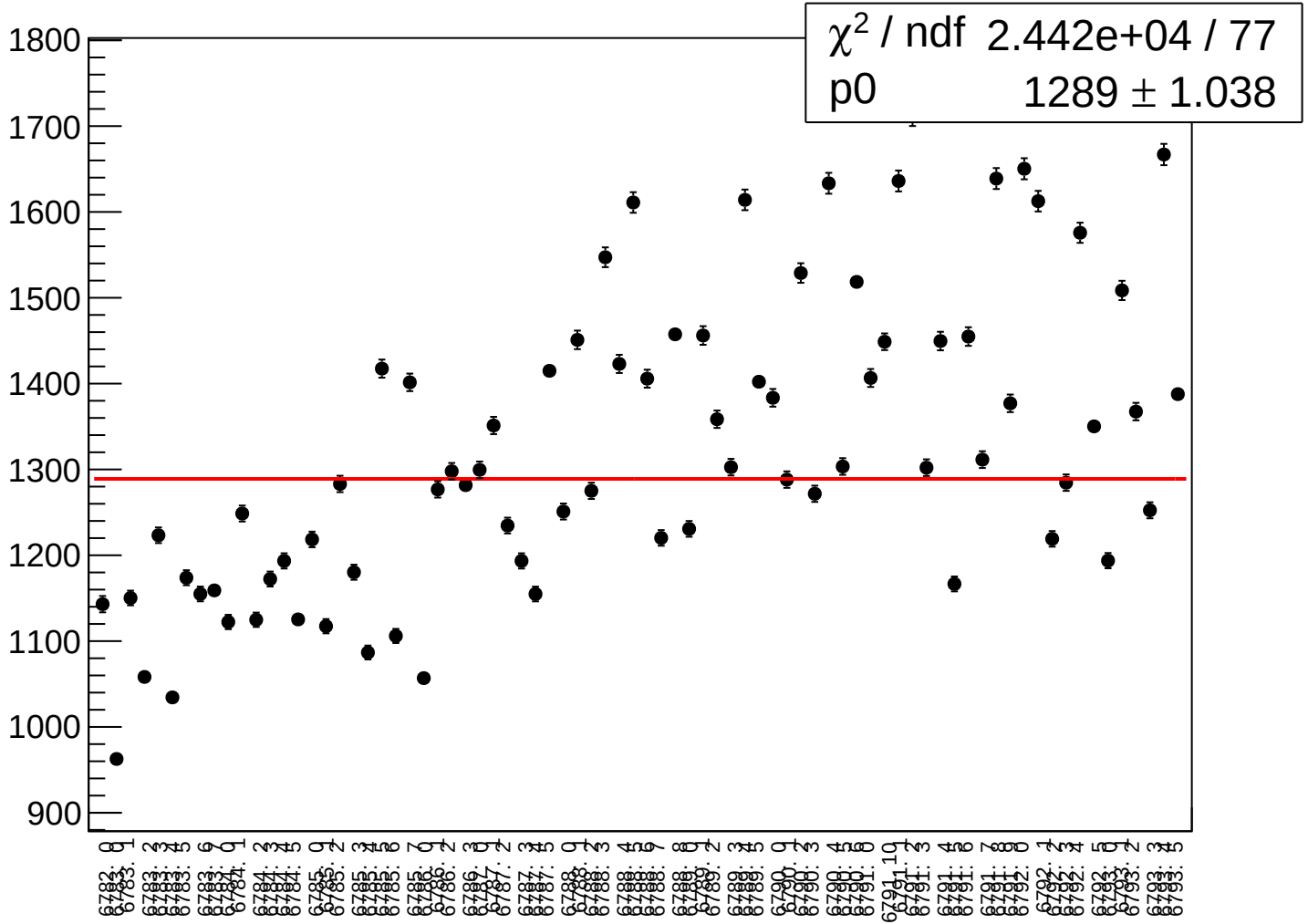

dit_asym_sam5_mean vs run
χ^2 / ndf 71.96 / 77
p0 −227.5 ± 219.1
pull
Entries 78
Mean 22.84
Std Dev 45.67

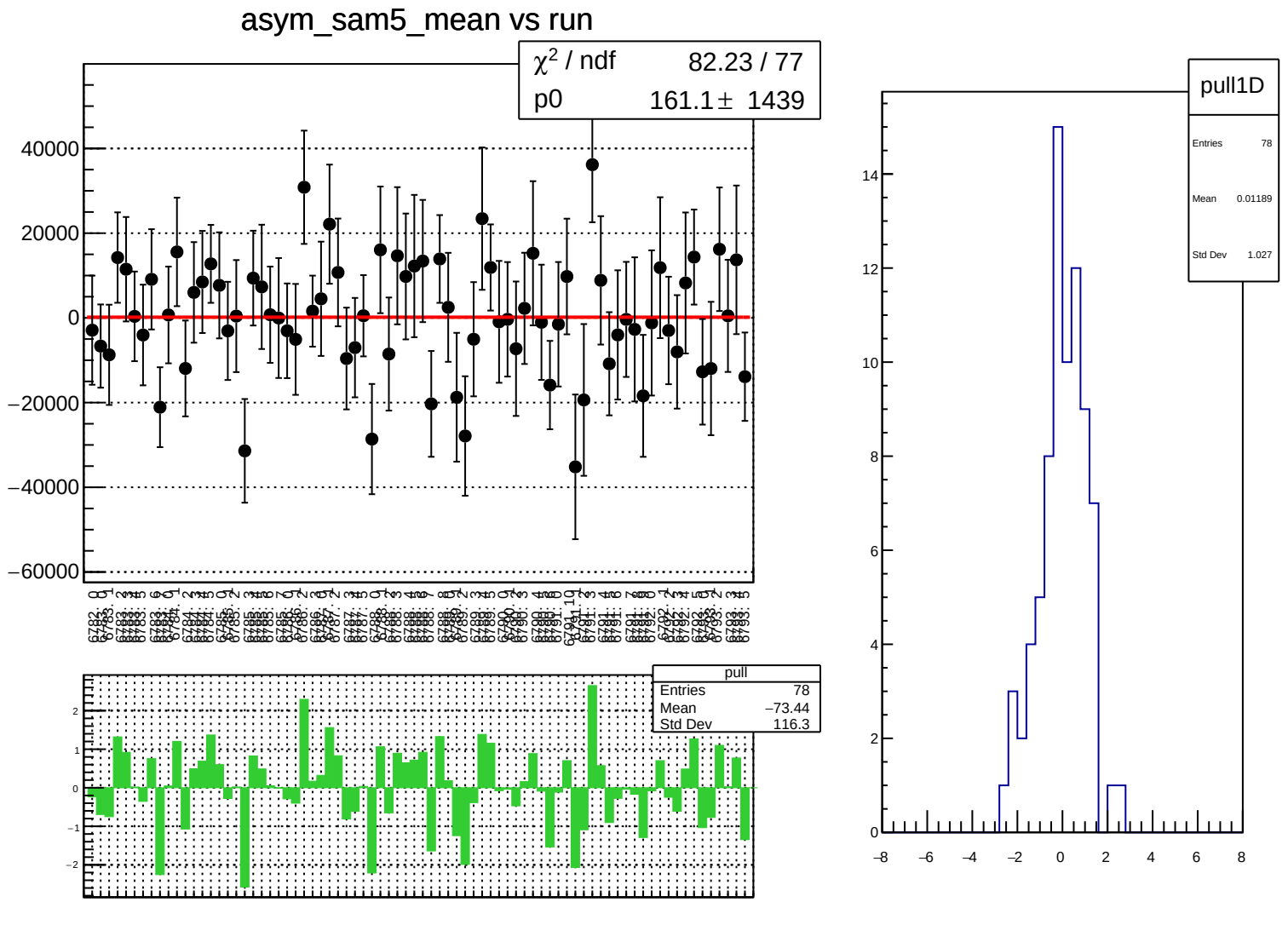

pull1D
Entries 78
Mean −0.03405
Std Dev 0.9599

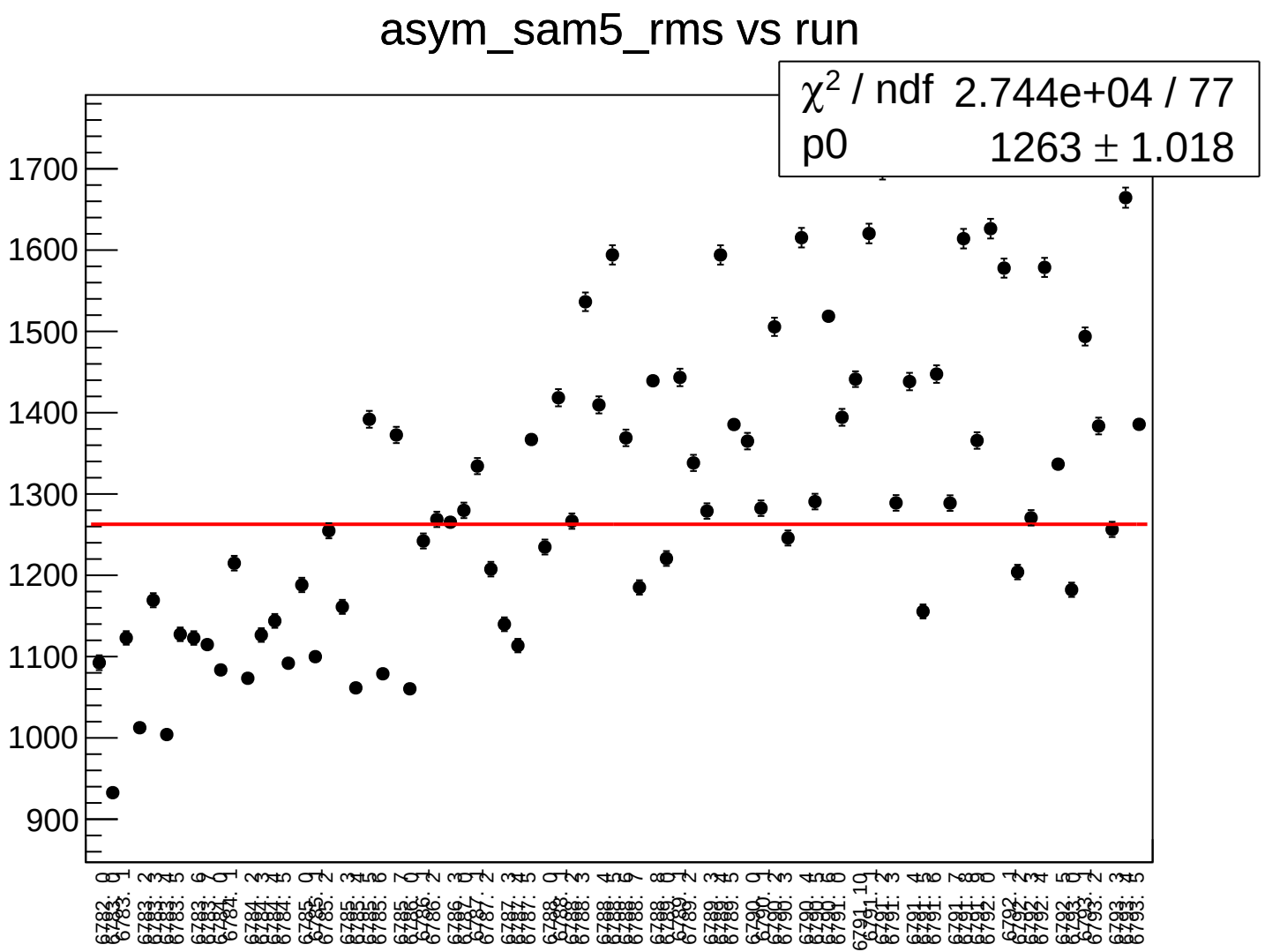

dit_asym_sam5_rms vs run
χ² / ndf 2373 / 77
p0 193.8 ± 0.1549
215
210
205
200
195
190
185
180
175

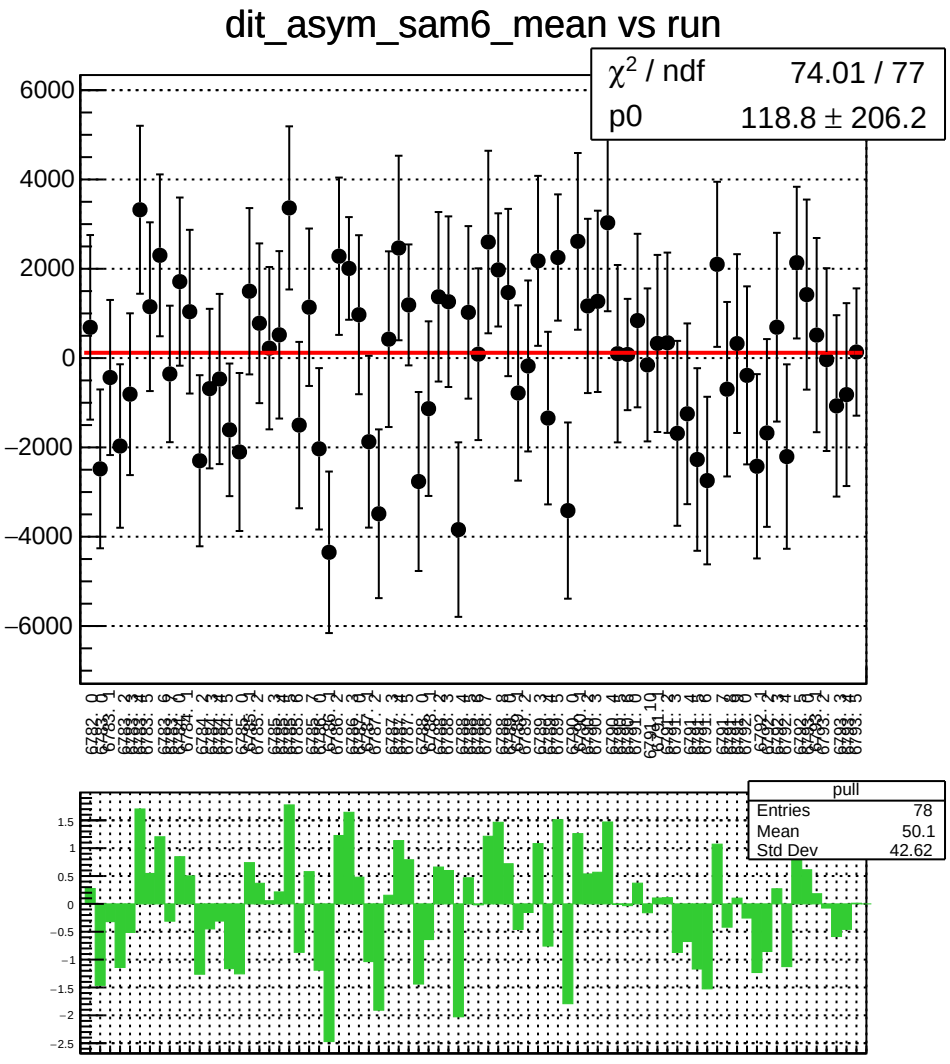

asym_sam5_correction_mean vs run
χ² / ndf 79.7 / 77
p0 −467.7 ± 1468
pull
Entries 78
Mean −68.92
Std Dev 108.2
pull1D
Entries 78
Mean −0.01335
Std Dev 1.011

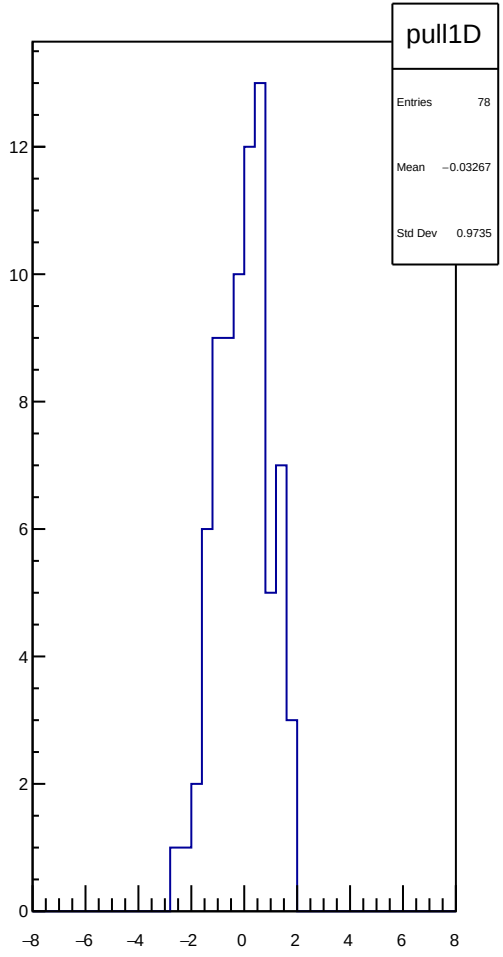
asym_sam5_correction_rms vs run



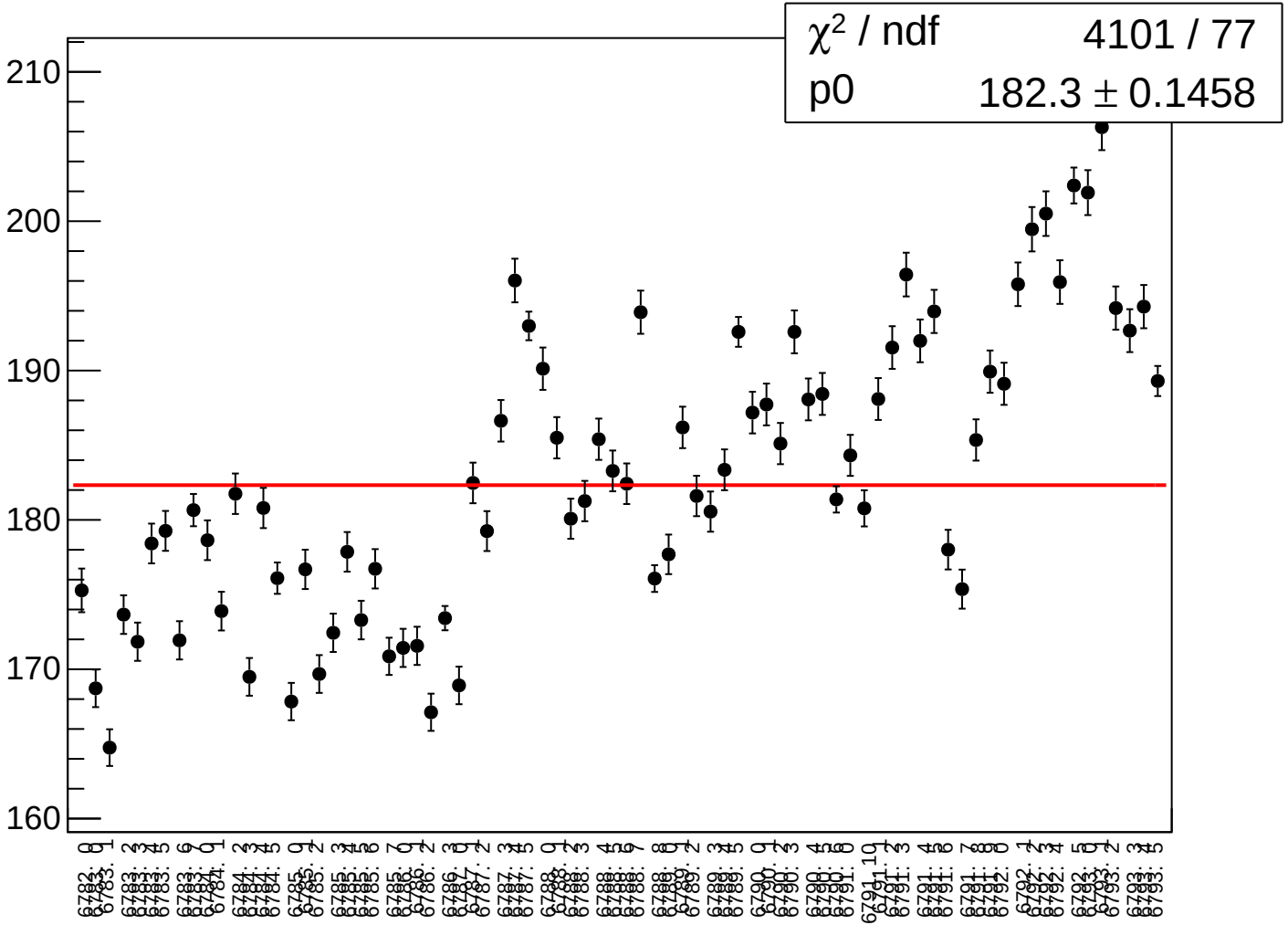

asym_sam5_mean vs run
χ² / ndf 82.23 / 77
p0 161.1 ± 1439
pull
Entries 78
Mean −73.44
Std Dev 116.3
pull1D
Entries 78
Mean 0.01189
Std Dev 1.027

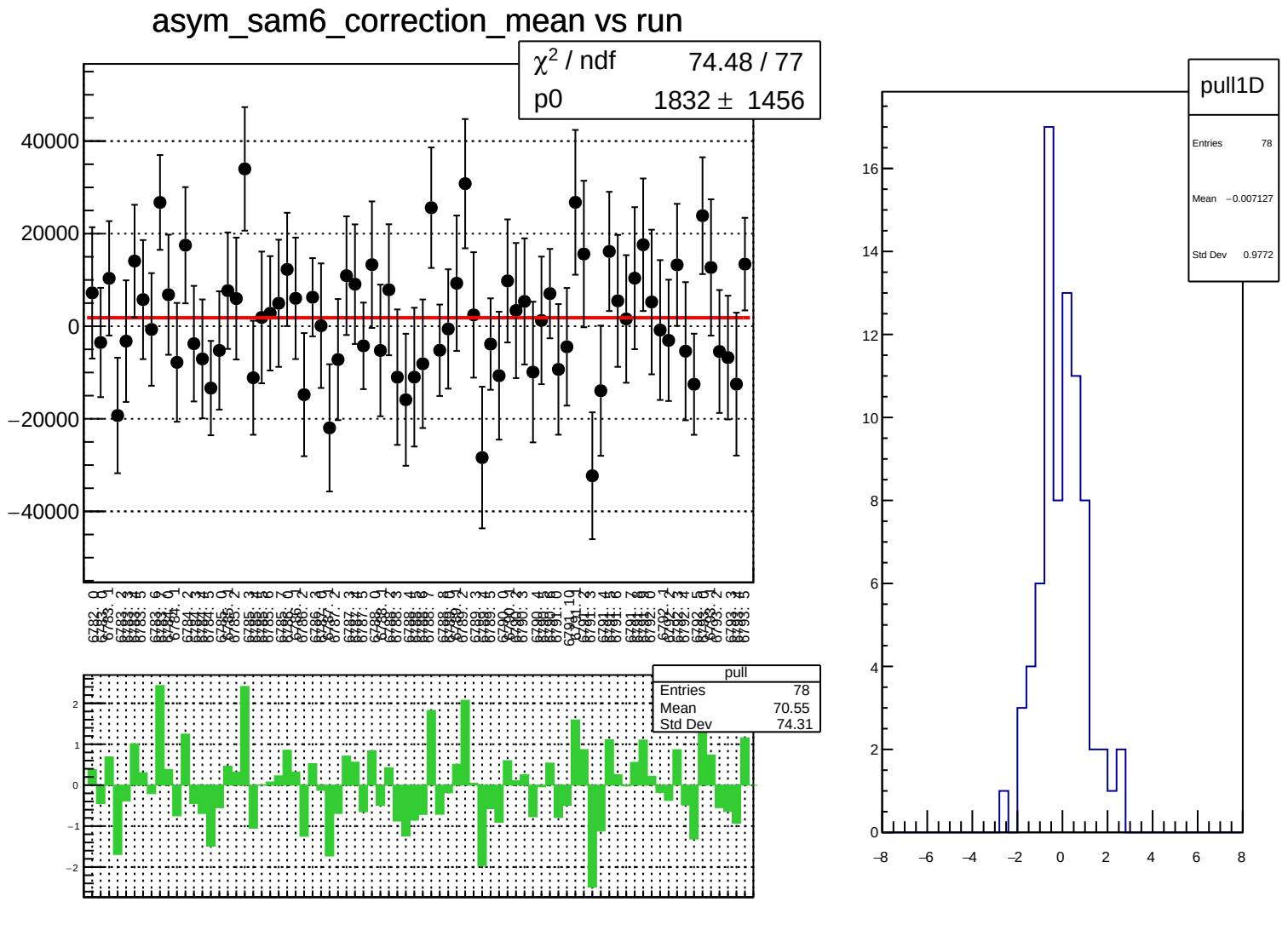

asym_sam5_rms vs run
χ^2 / ndf 2.744e+04 / 77
p0 1263 ± 1.018
1700
1600
1500
1400
1300
1200
1100
1000
900


dit_asym_sam6_mean vs run
χ^2 / ndf 74.01 / 77
p0 118.8 ± 206.2
pull
Entries 78
Mean 50.1
Std Dev 42.62

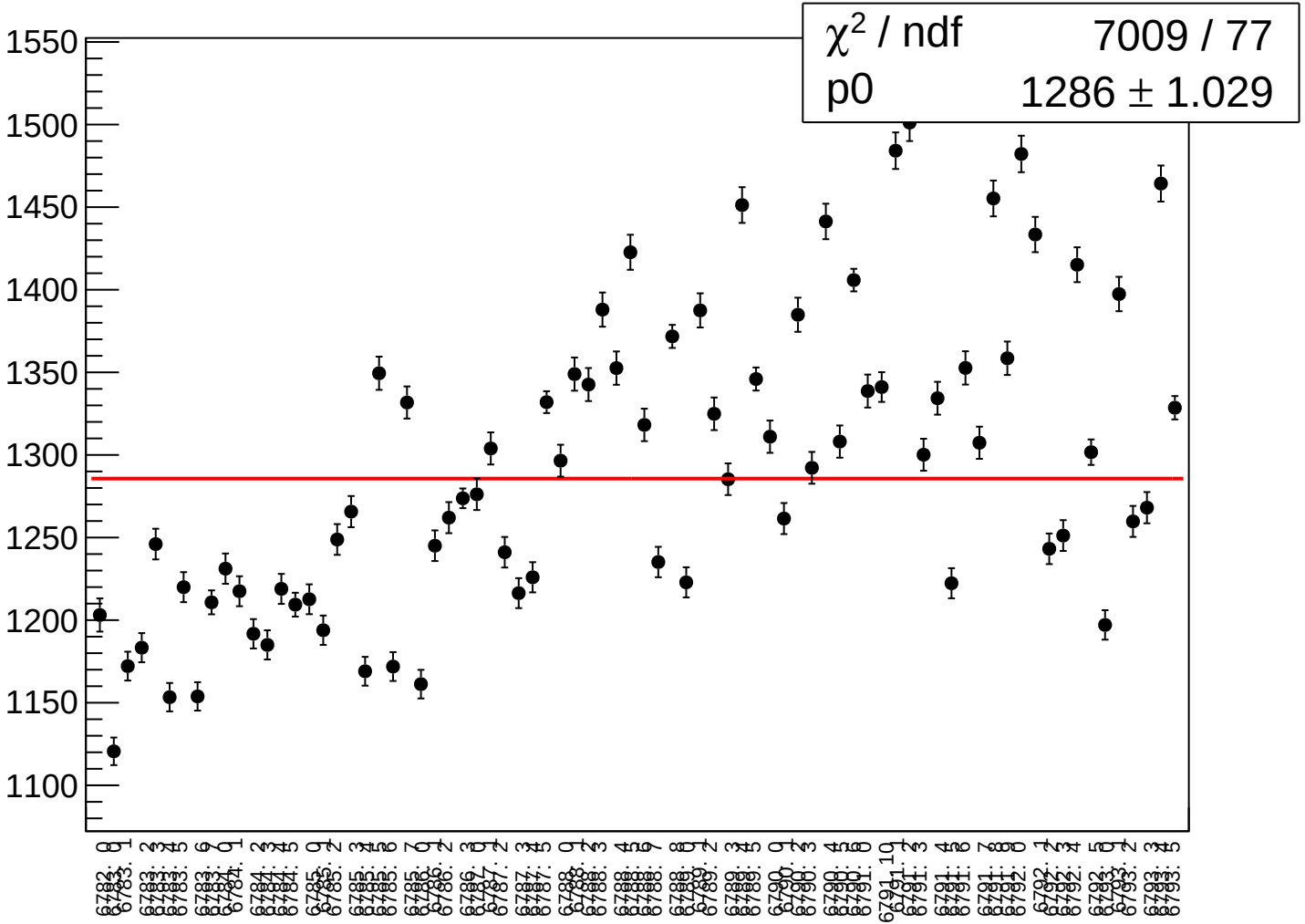

pull1D
Entries 78
Mean −0.03267
Std Dev 0.9735

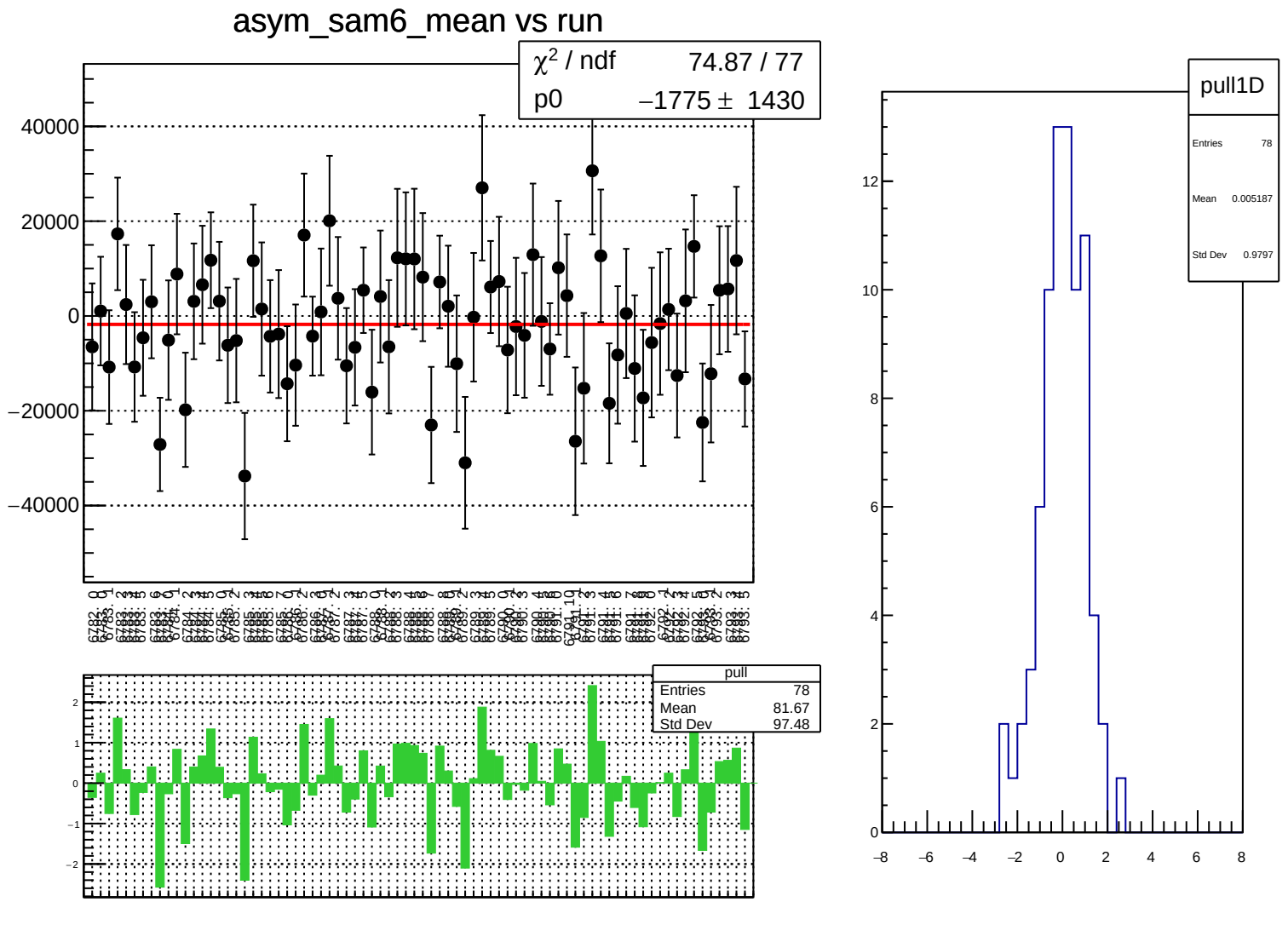
dit_asym_sam6_rms vs run

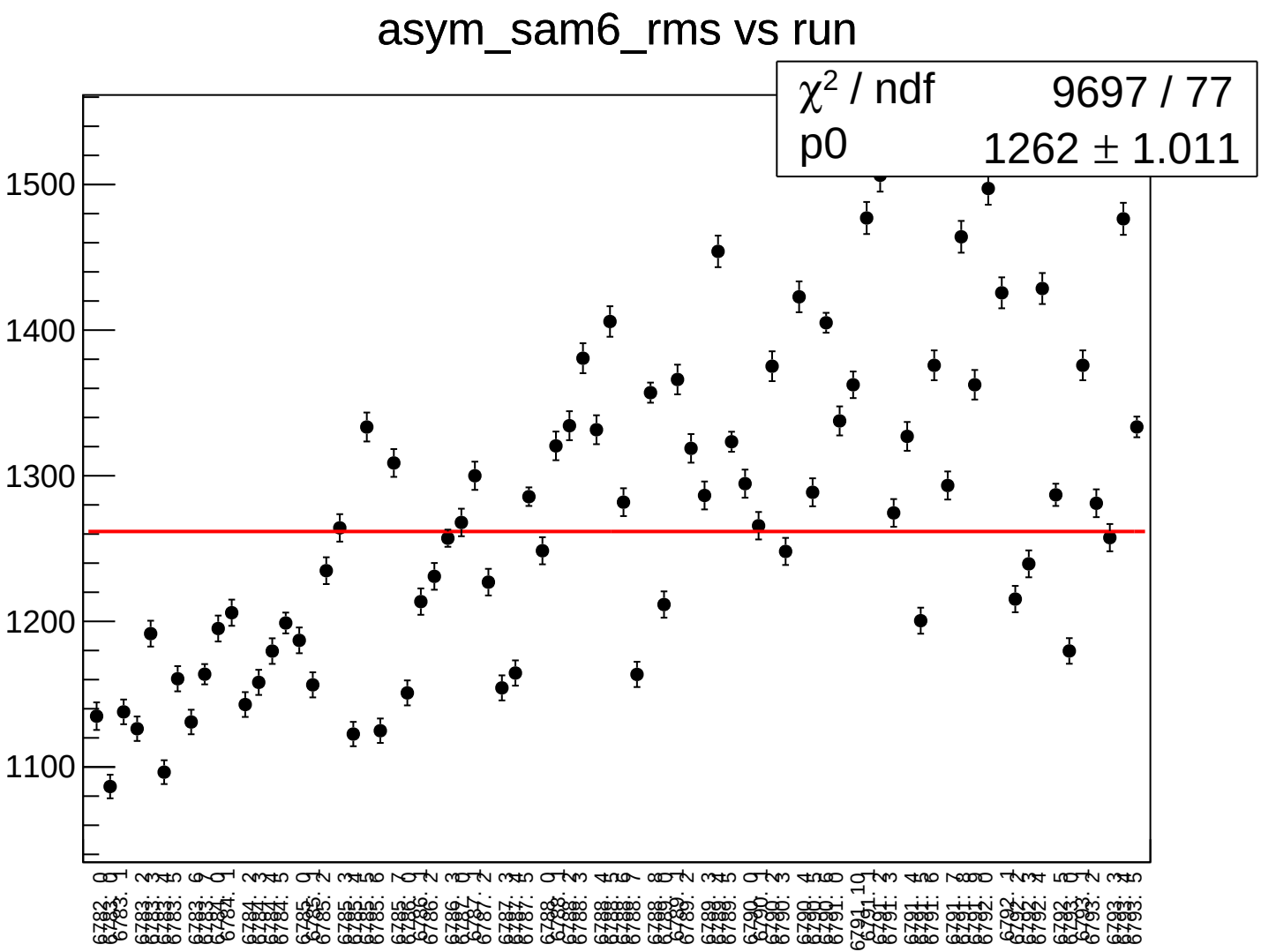


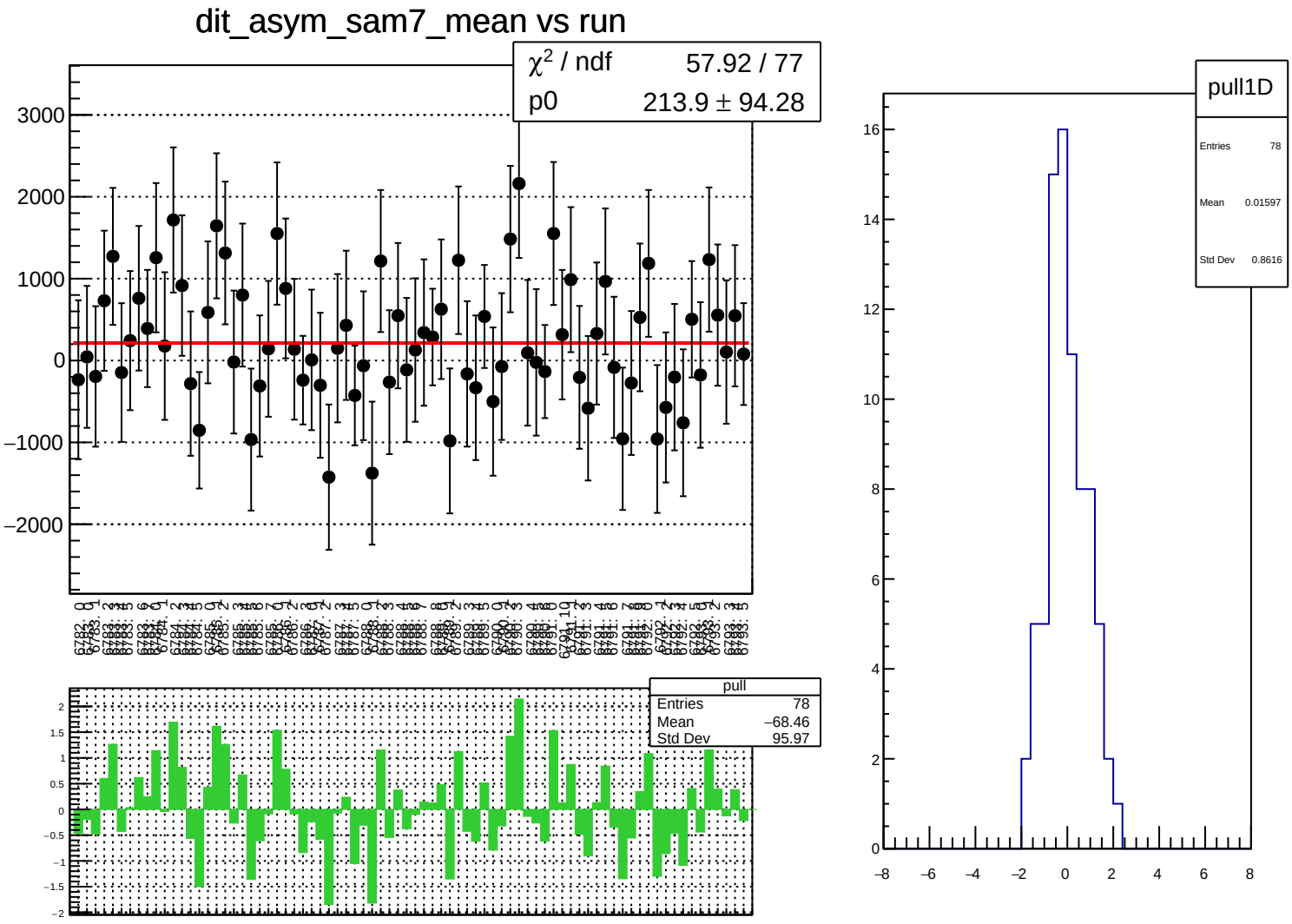

asym_sam6_correction_mean vs run
χ² / ndf 74.48 / 77
p0 1832 ± 1456
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 70.55
Std Dev 74.31
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.007127
Std Dev 0.9772
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

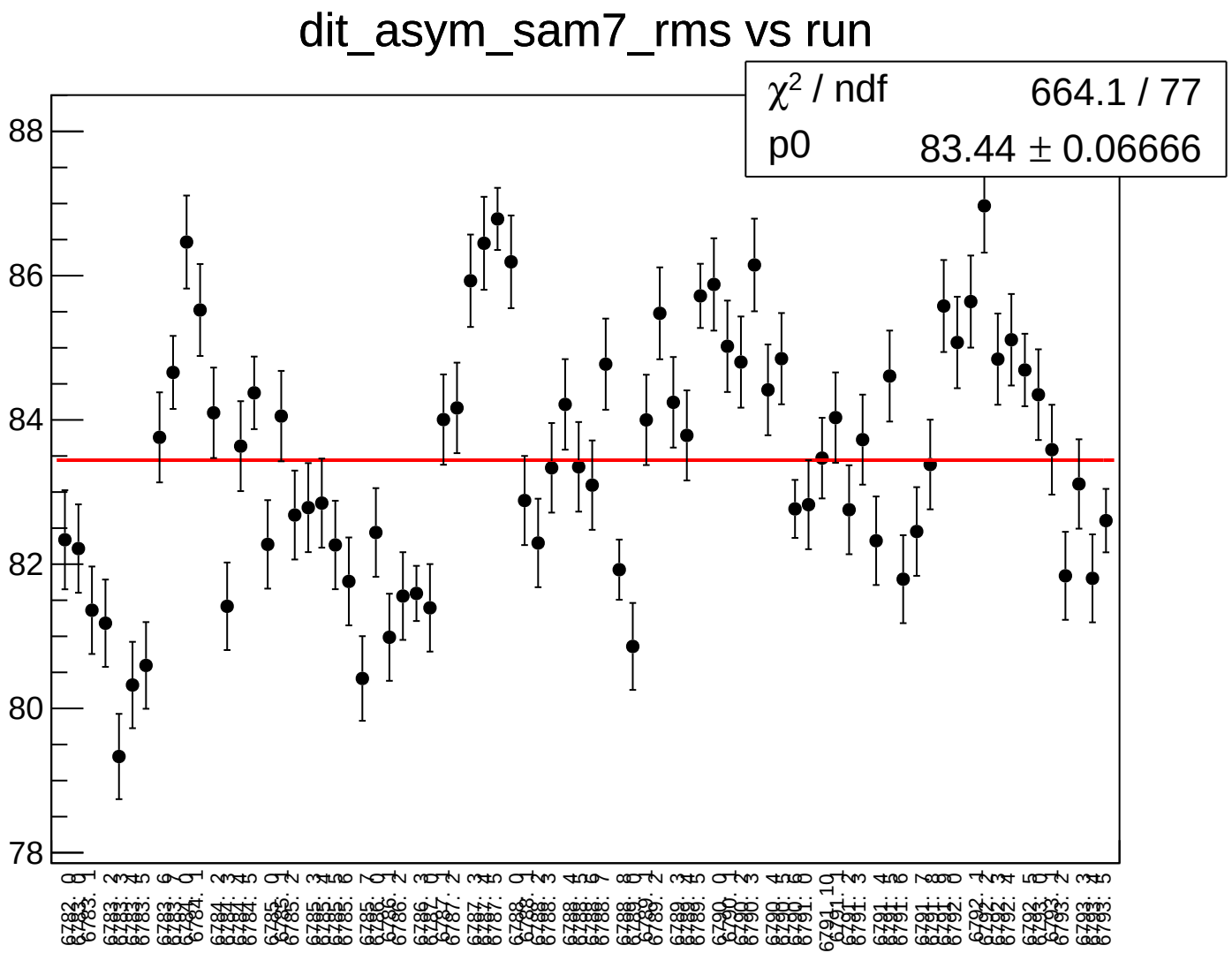
asym_sam6_correction_rms vs run

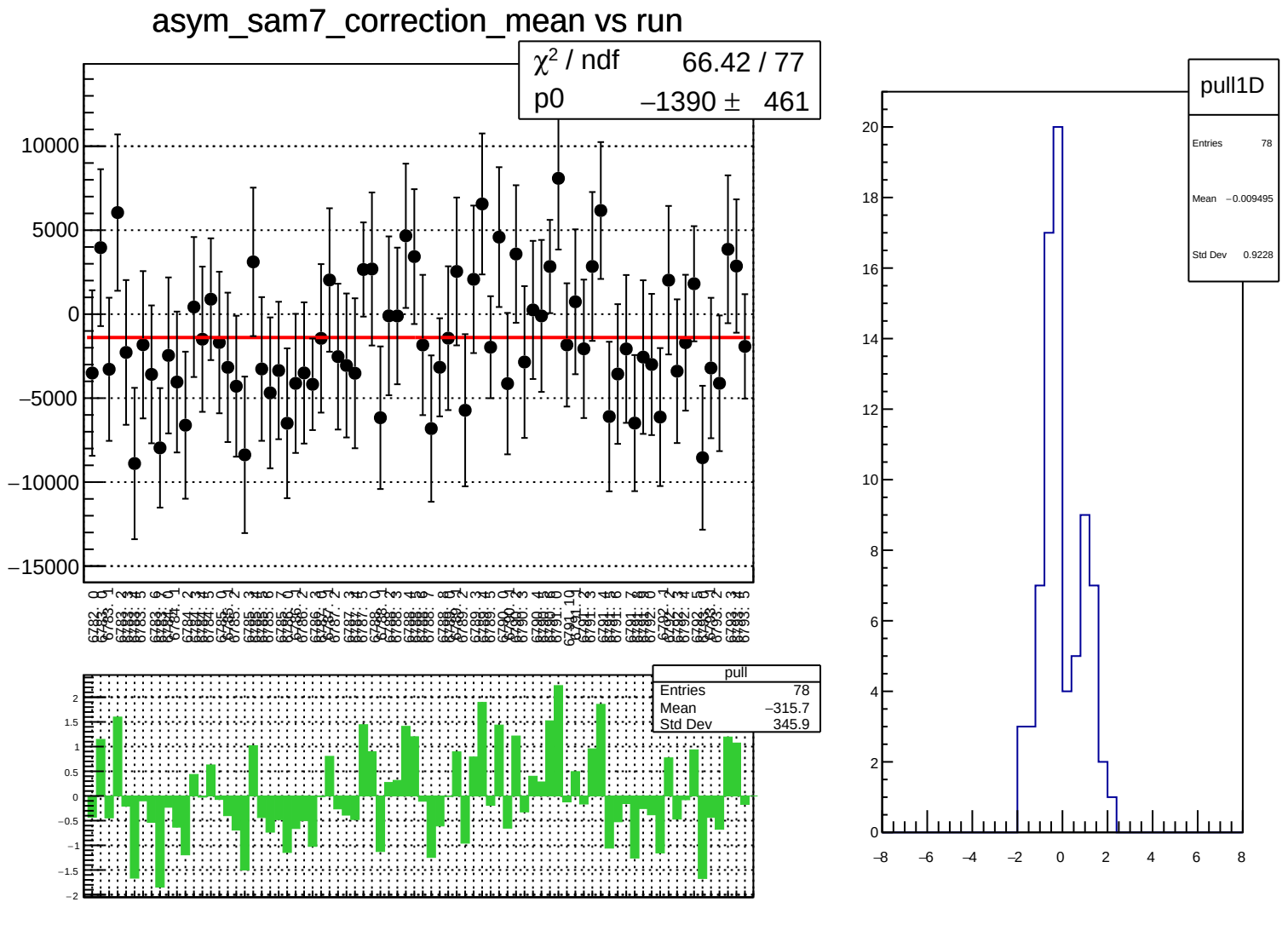


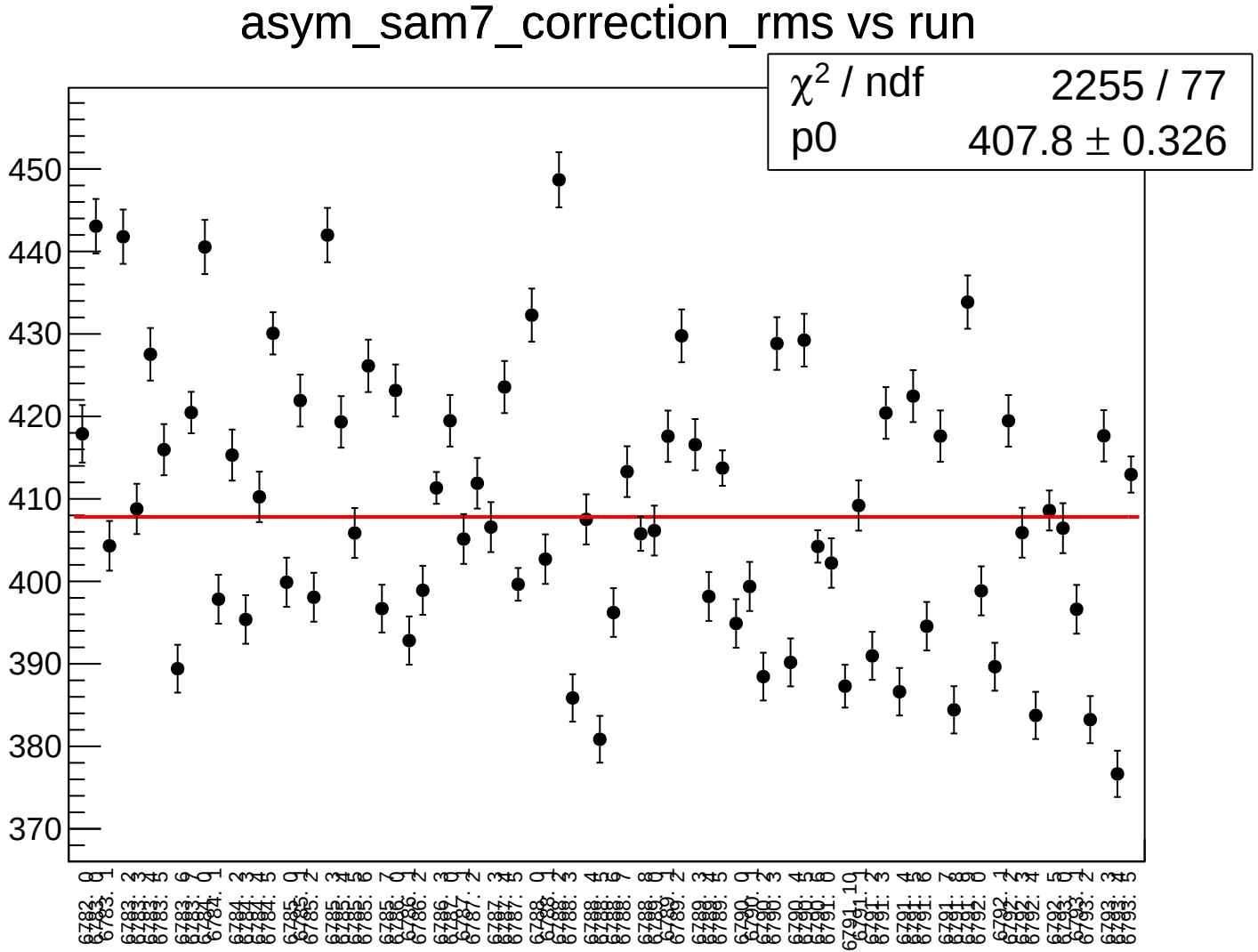

asym_sam6_mean vs run
χ² / ndf 74.87 / 77
p0 −1775 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 81.67
Std Dev 97.48
pull1D
Entries 78
Mean 0.005187
Std Dev 0.9797

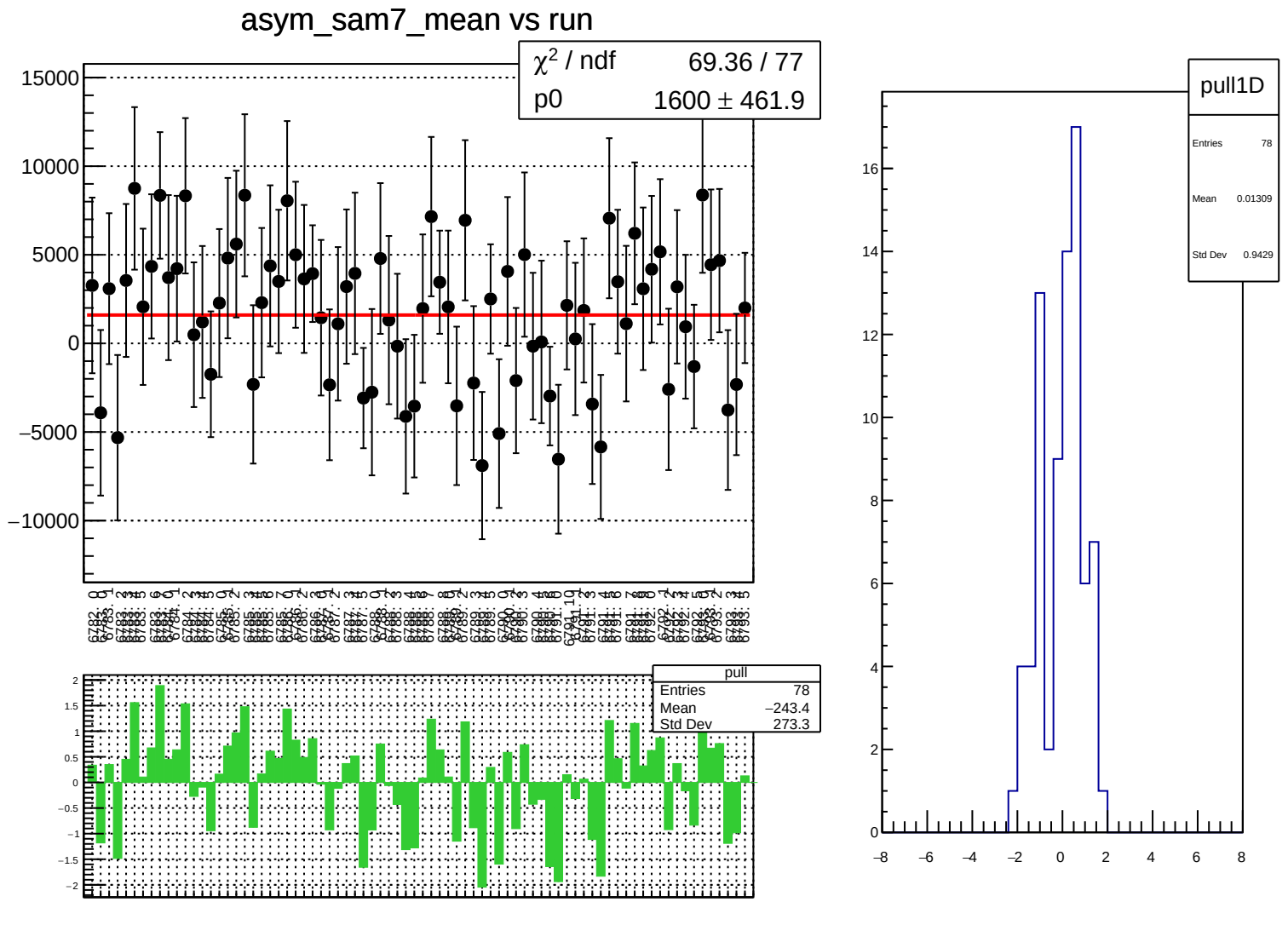

asym_sam6_rms vs run
χ² / ndf 9697 / 77
p0 1262 ± 1.011
1500
1400
1300
1200
1100

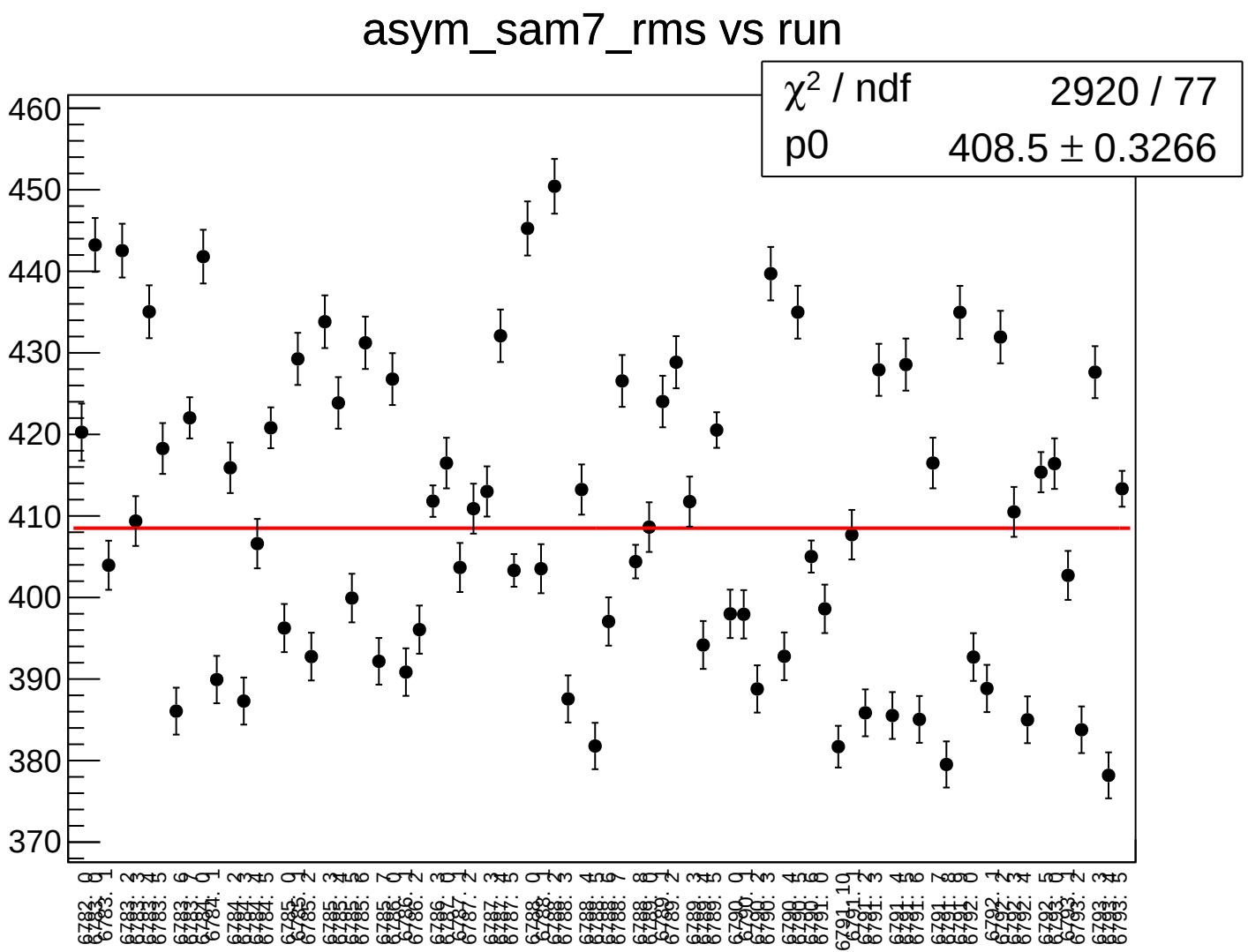

dit_asym_sam7_mean vs run
χ^2 / ndf 57.92 / 77
p0 213.9 ± 94.28
pull
Entries 78
Mean −68.46
Std Dev 95.97
pull1D
Entries 78
Mean 0.01597
Std Dev 0.8616

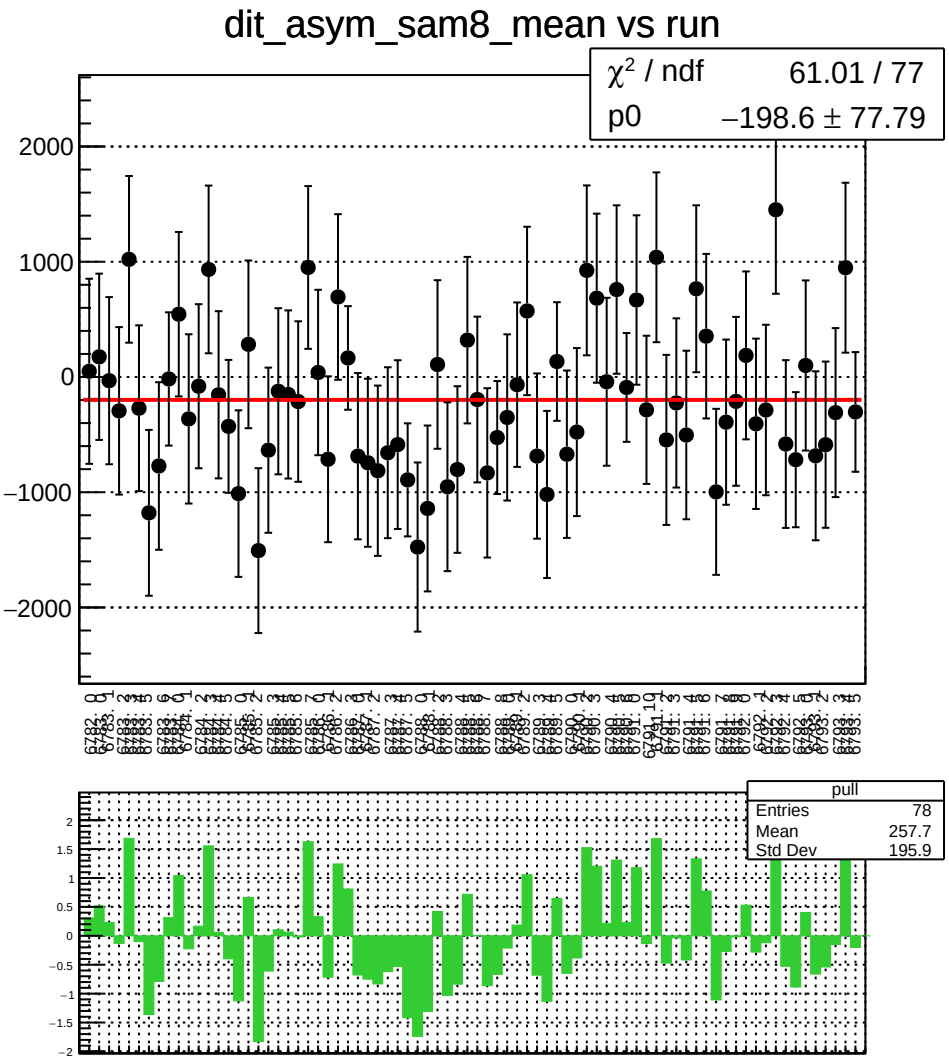

dit_asym_sam7_rms vs run
χ² / ndf 664.1 / 77
p0 83.44 ± 0.06666
88
86
84
82
80
78

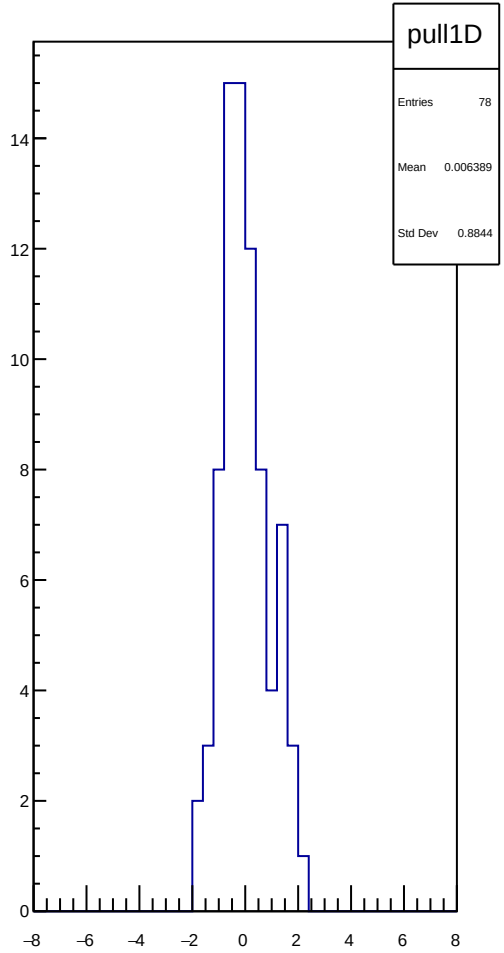

asym_sam7_correction_mean vs run
χ² / ndf 66.42 / 77
p0 −1390 ± 461
pull
Entries 78
Mean −315.7
Std Dev 345.9
pull1D
Entries 78
Mean −0.009495
Std Dev 0.9228


asym_sam7_correction_rms vs run
χ² / ndf 2255 / 77
p0 407.8 ± 0.326
450
440
430
420
410
400
390
380
370

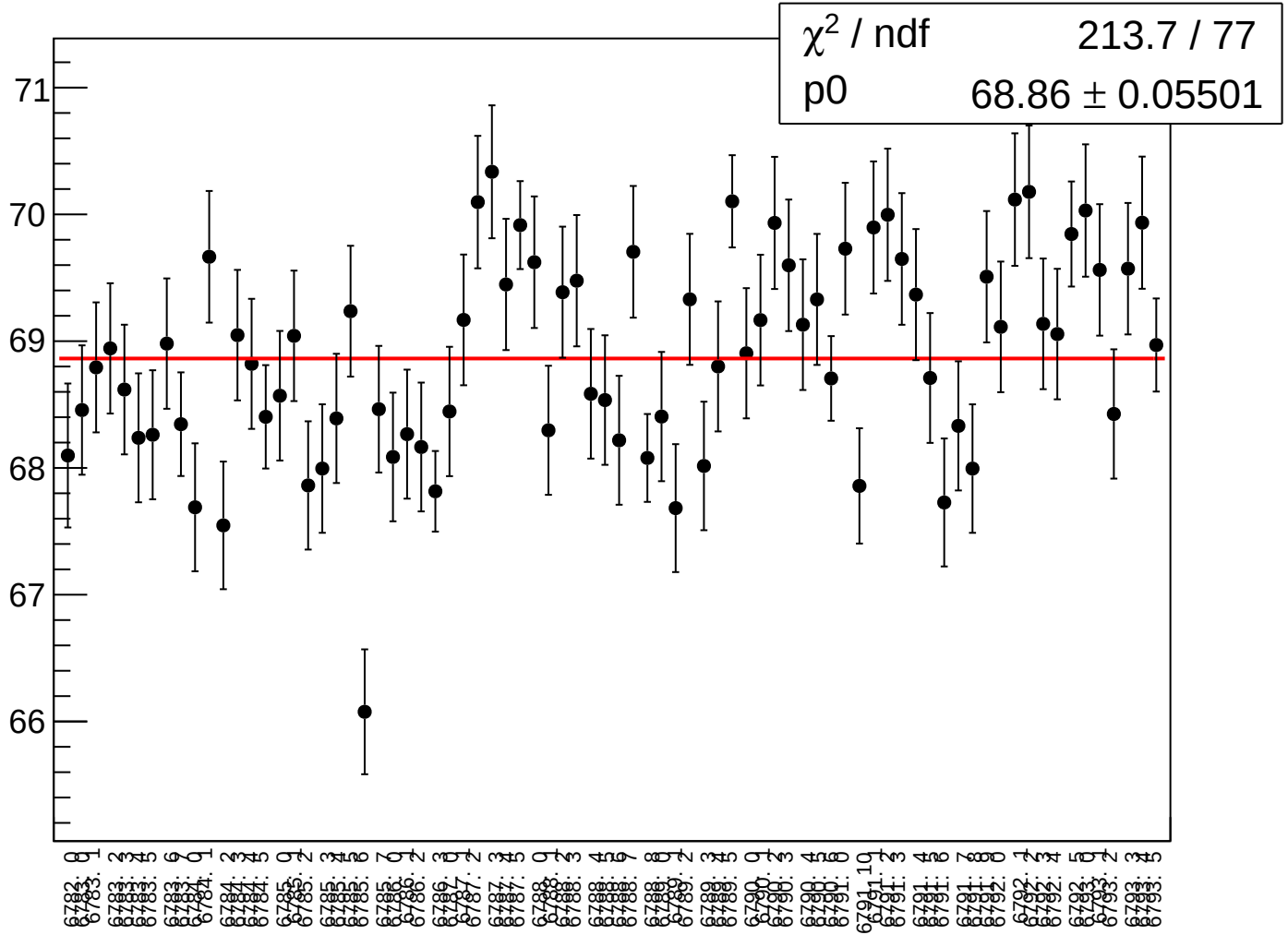

asym_sam7_mean vs run
χ^2 / ndf 69.36 / 77
p0 1600 ± 461.9
pull
Entries 78
Mean −243.4
Std Dev 273.3
pull1D
Entries 78
Mean 0.01309
Std Dev 0.9429

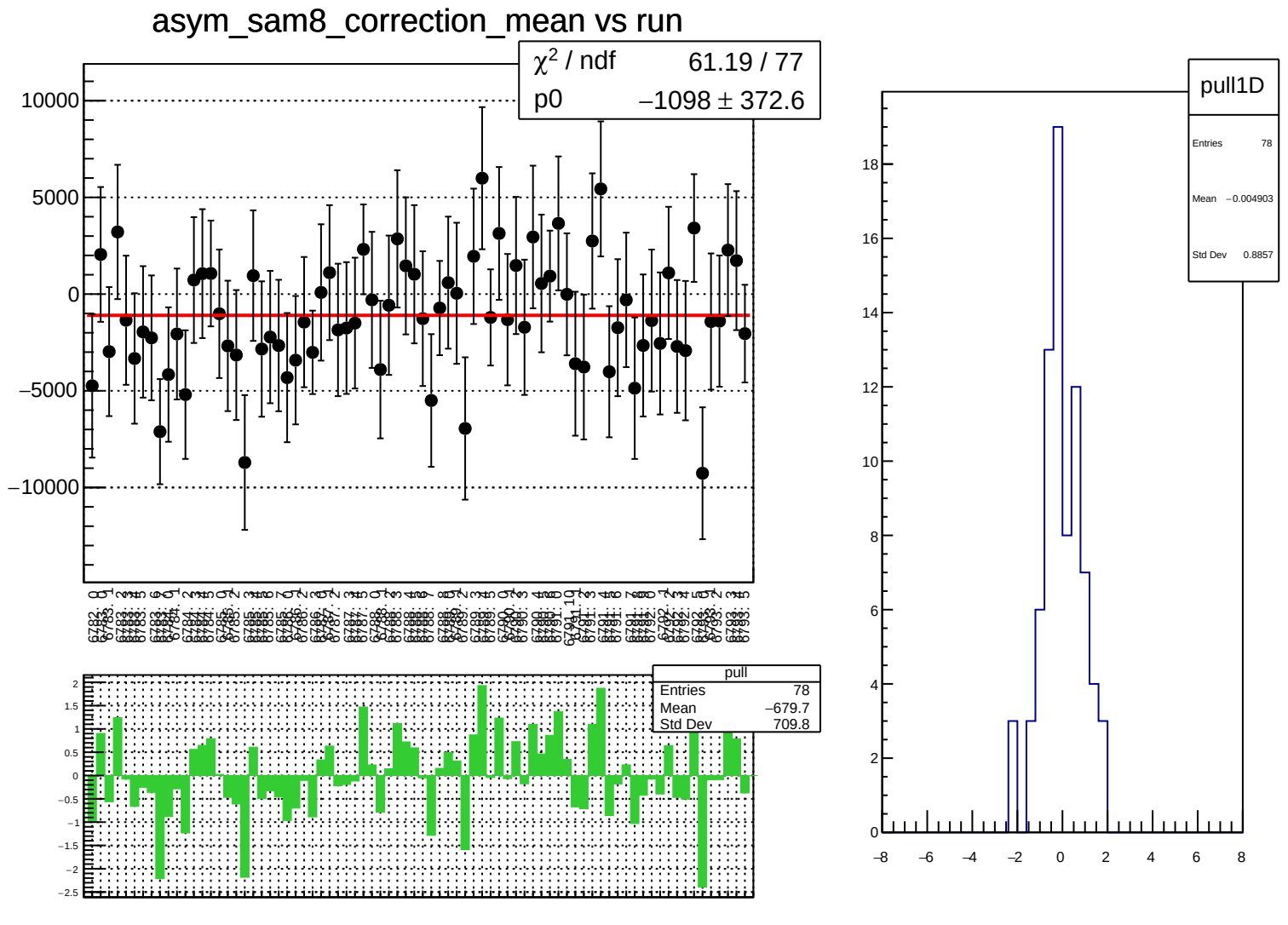

asym_sam7_rms vs run
χ^2 / ndf 2920 / 77
p0 408.5 ± 0.3266
460
450
440
430
420
410
400
390
380
370


dit_asym_sam8_mean vs run
χ^2 / ndf 61.01 / 77
p0 −198.6 ± 77.79
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 257.7
Std Dev 195.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

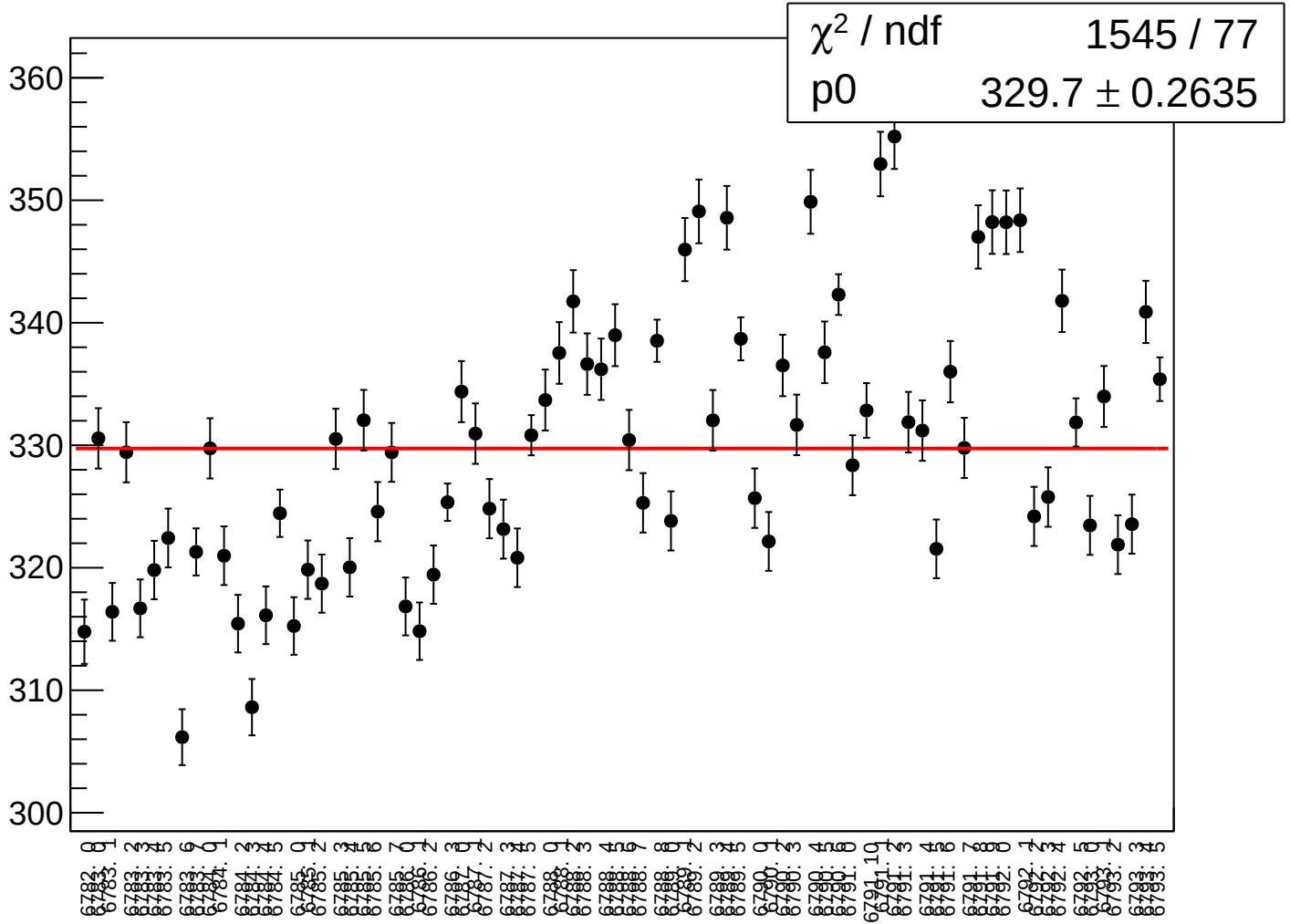

pull1D
Entries 78
Mean 0.006389
Std Dev 0.8844
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

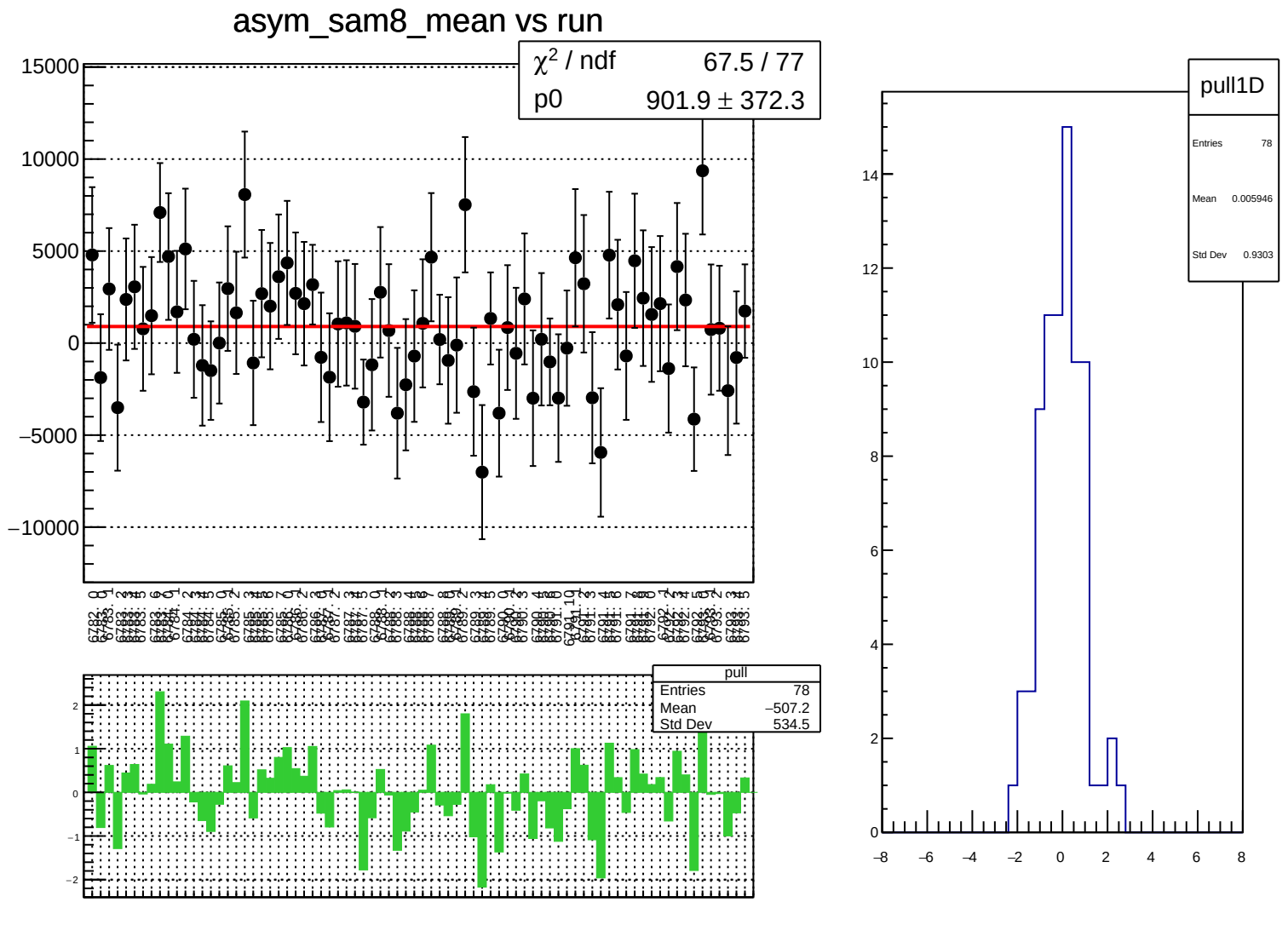
dit_asym_sam8_rms vs run

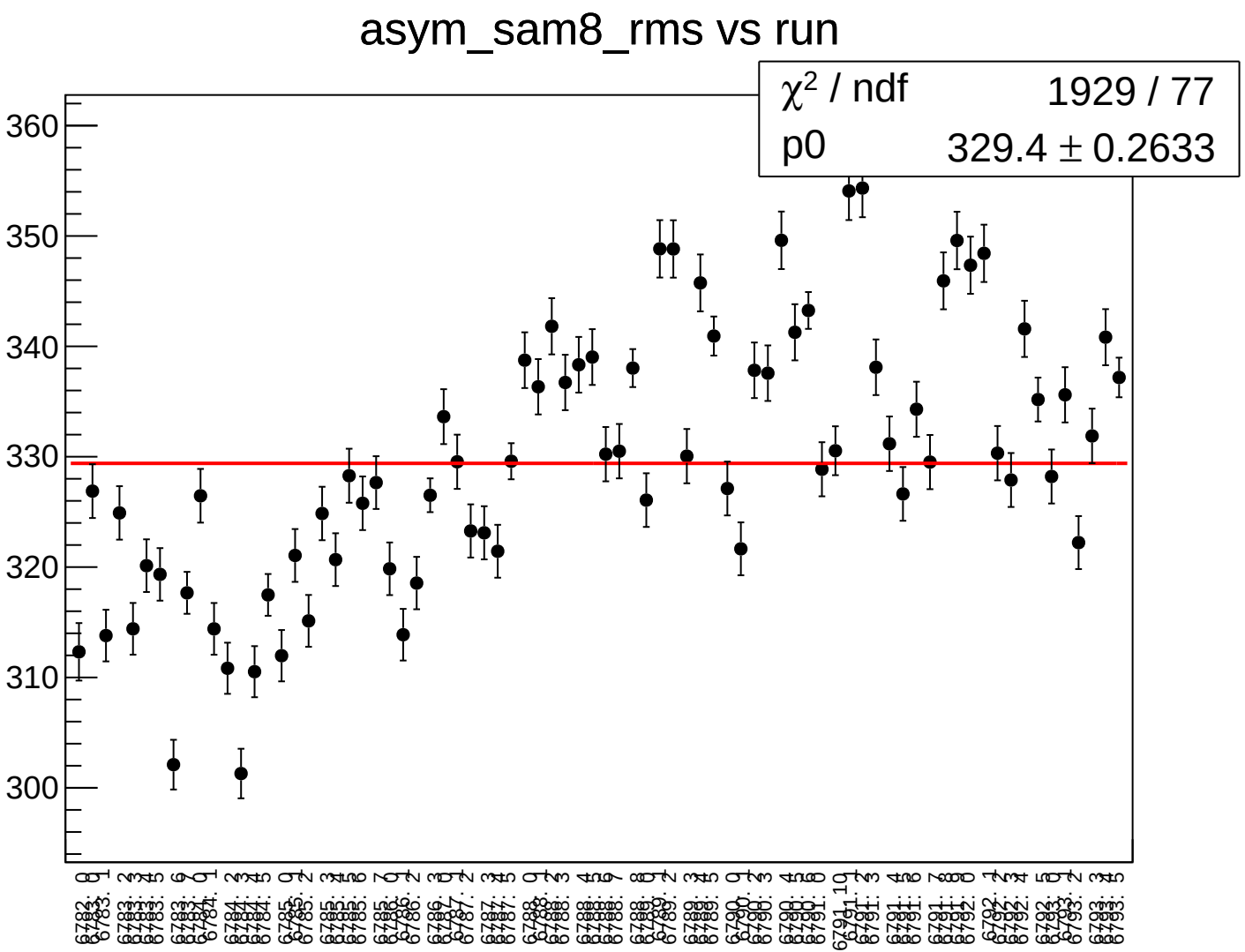


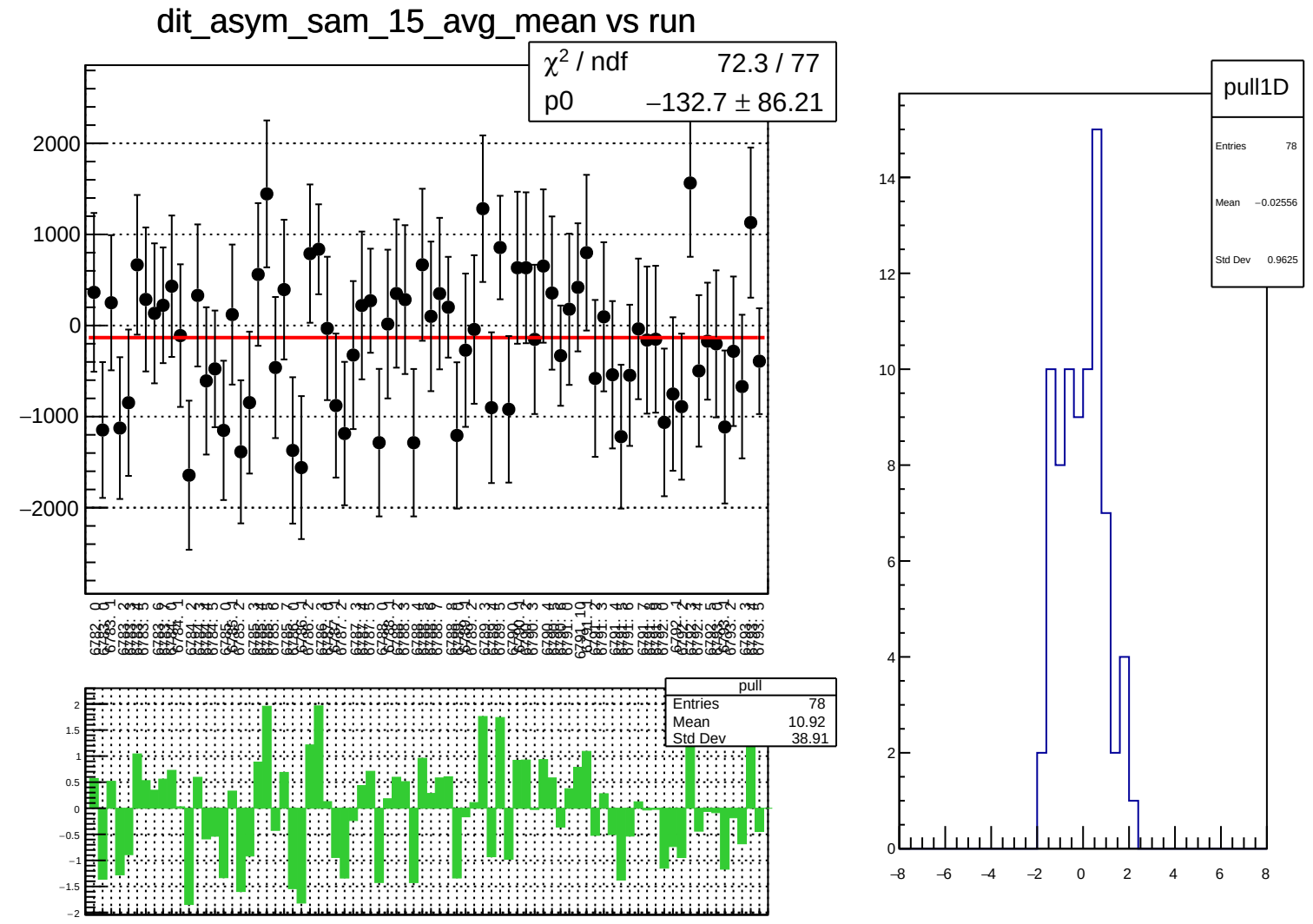

asym_sam8_correction_mean vs run
χ^2 / ndf 61.19 / 77
p0 −1098 ± 372.6
pull
Entries 78
Mean −679.7
Std Dev 709.8
pull1D
Entries 78
Mean −0.004903
Std Dev 0.8857

asym_sam8_correction_rms vs run

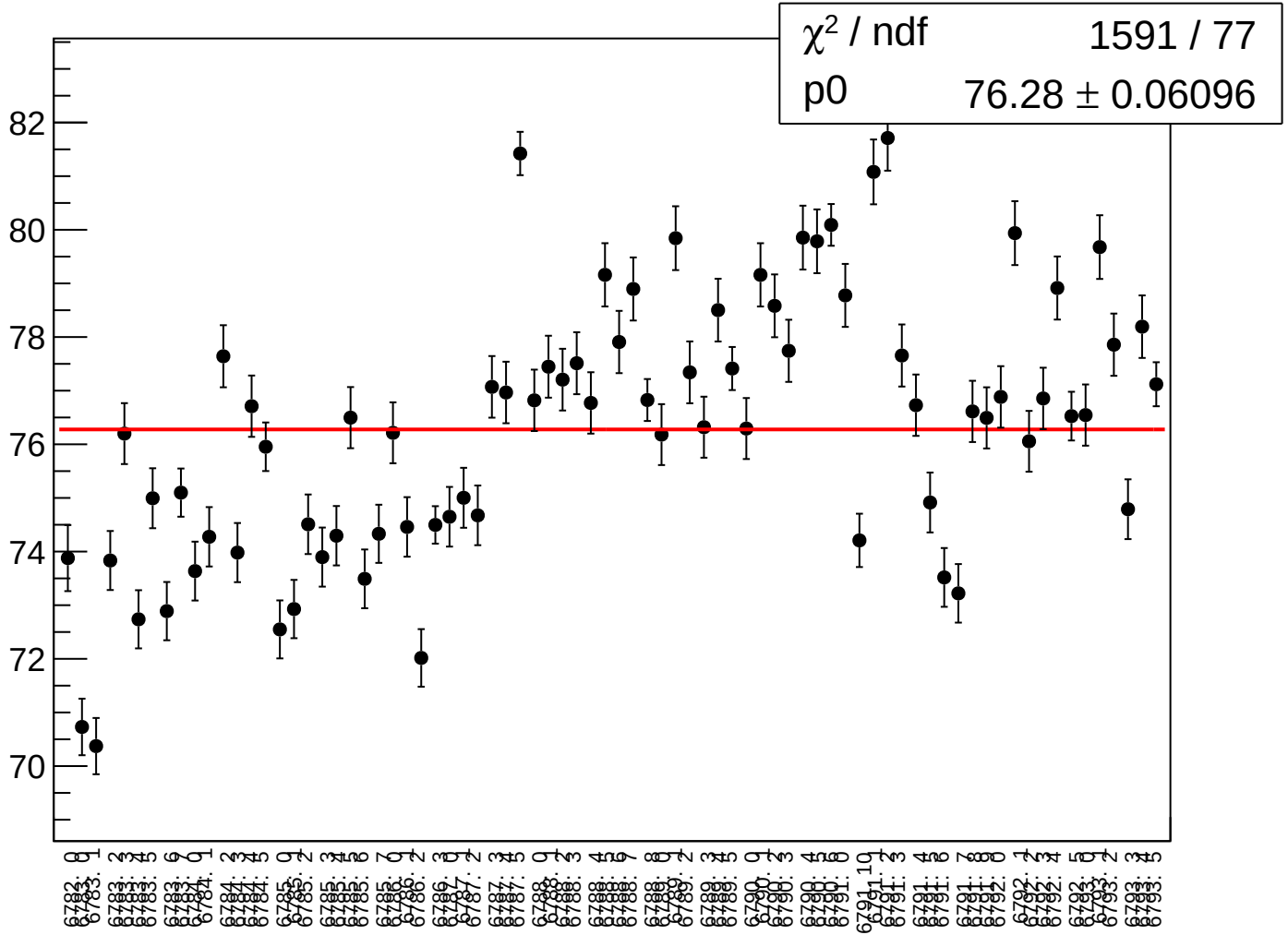


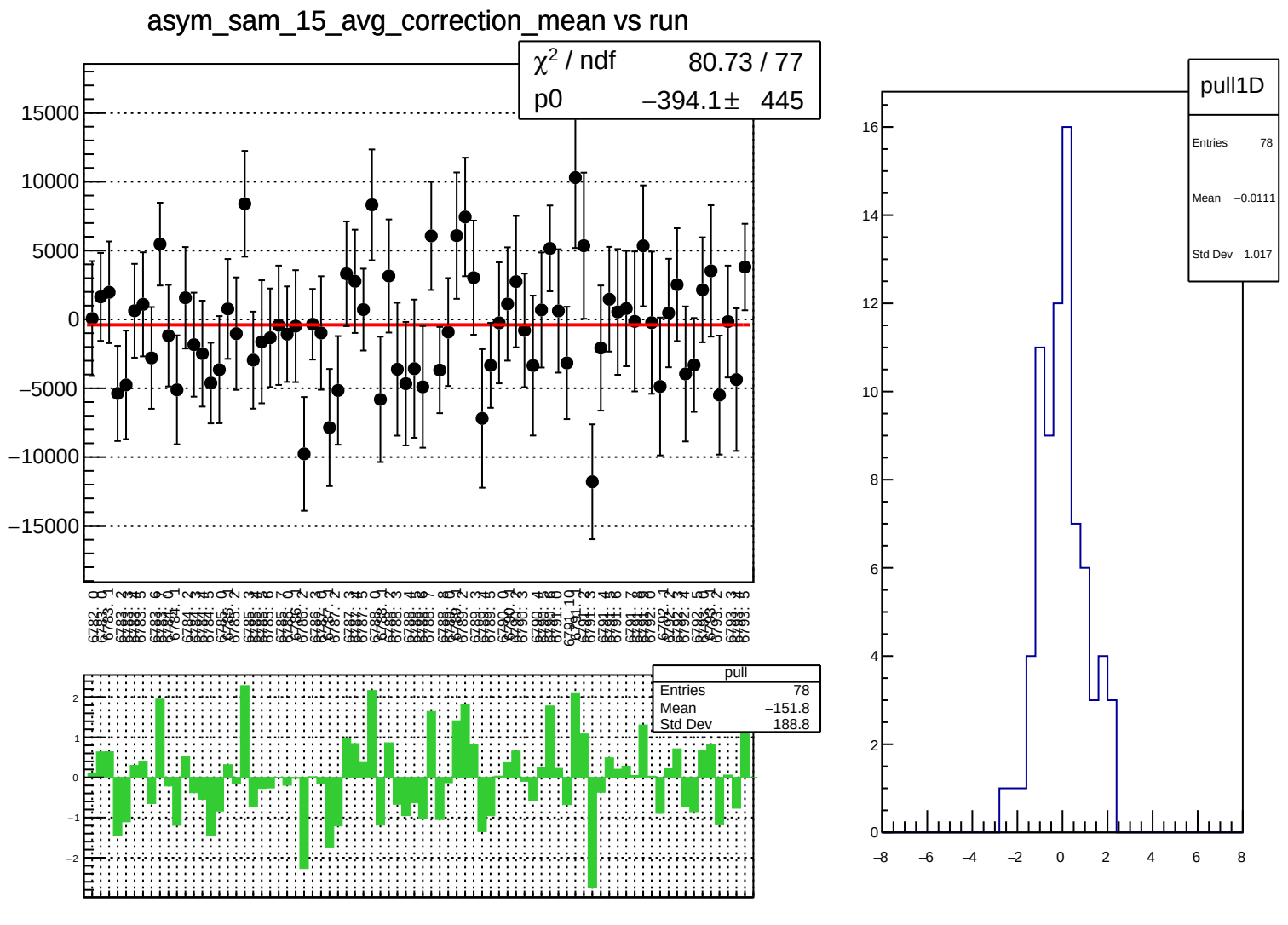

asym_sam8_mean vs run
χ² / ndf 67.5 / 77
p0 901.9 ± 372.3
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −507.2
Std Dev 534.5
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.005946
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

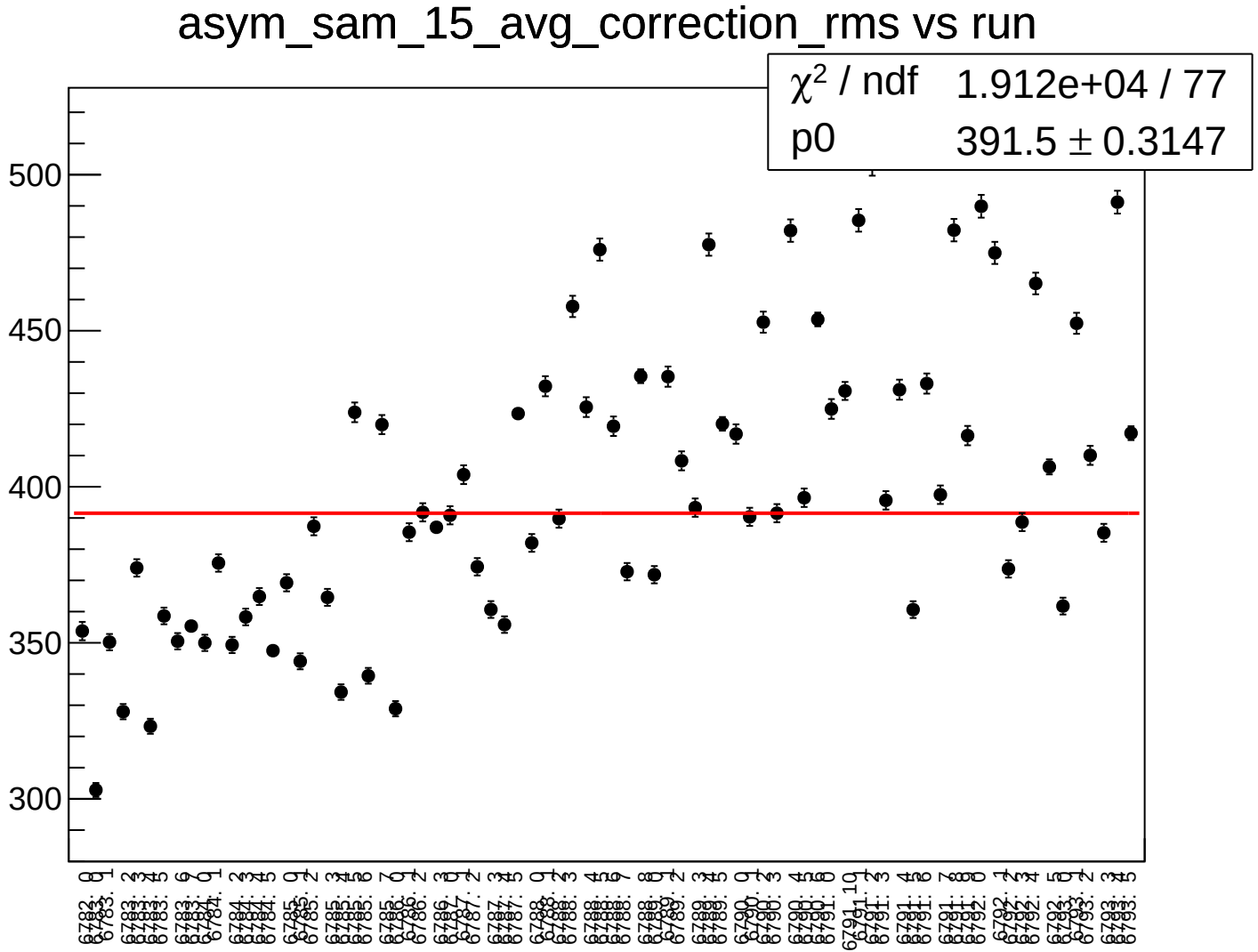

asym_sam8_rms vs run
χ² / ndf 1929 / 77
p0 329.4 ± 0.2633
360
350
340
330
320
310
300

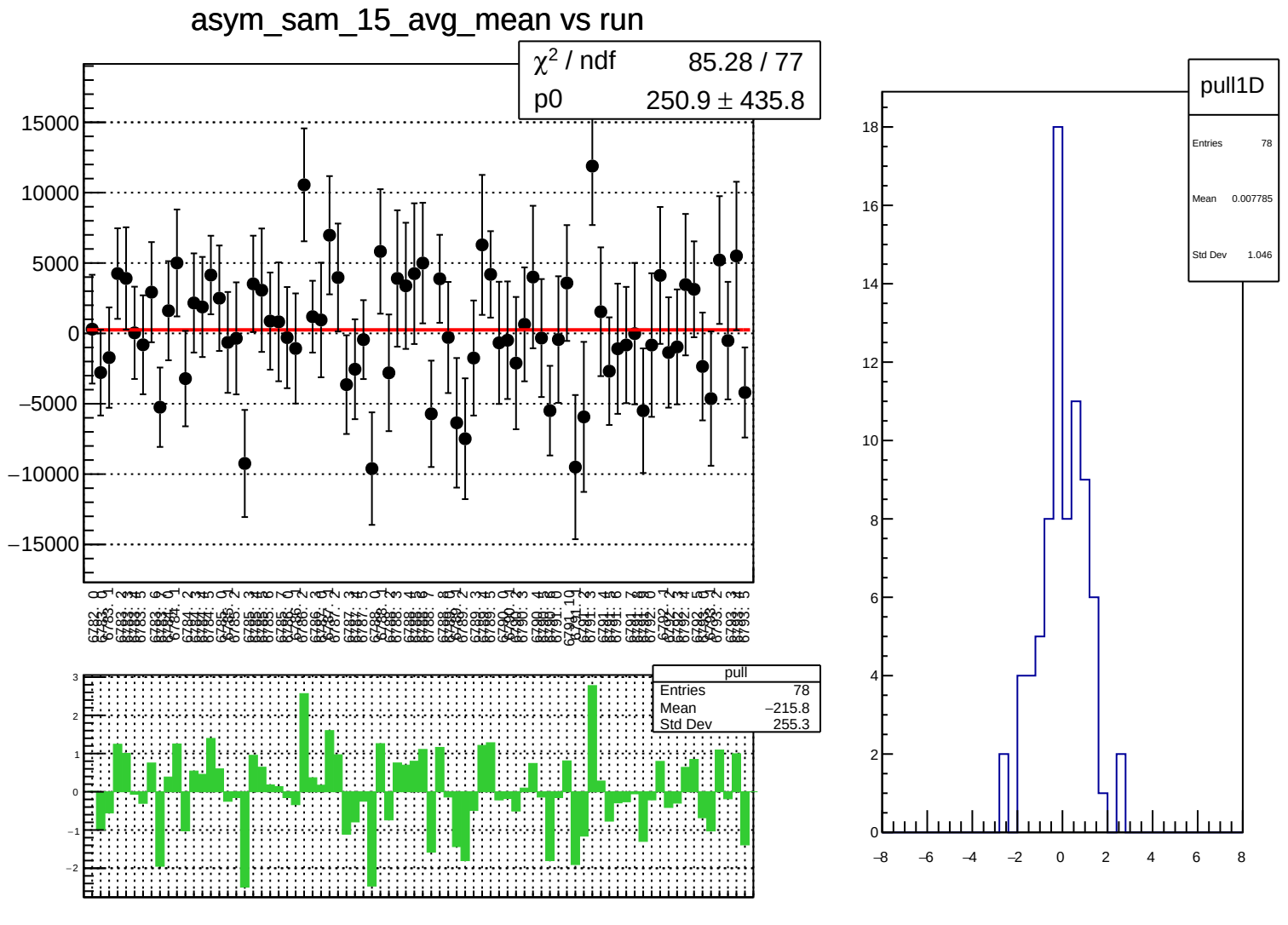

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 72.3 / 77
p0 −132.7 ± 86.21
pull
Entries 78
Mean 10.92
Std Dev 38.91
pull1D
Entries 78
Mean −0.02556
Std Dev 0.9625

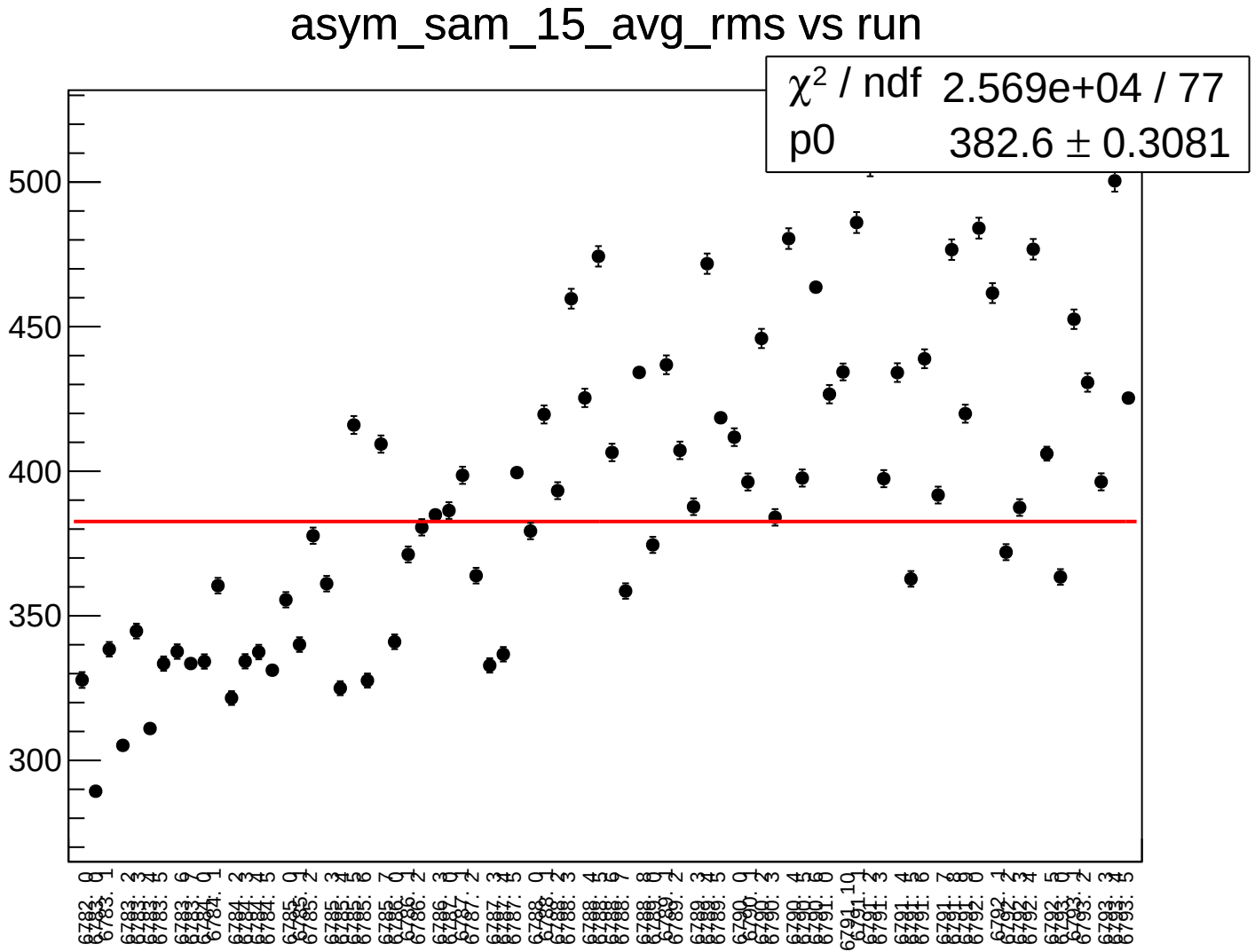
dit_asym_sam_15_avg_rms vs run

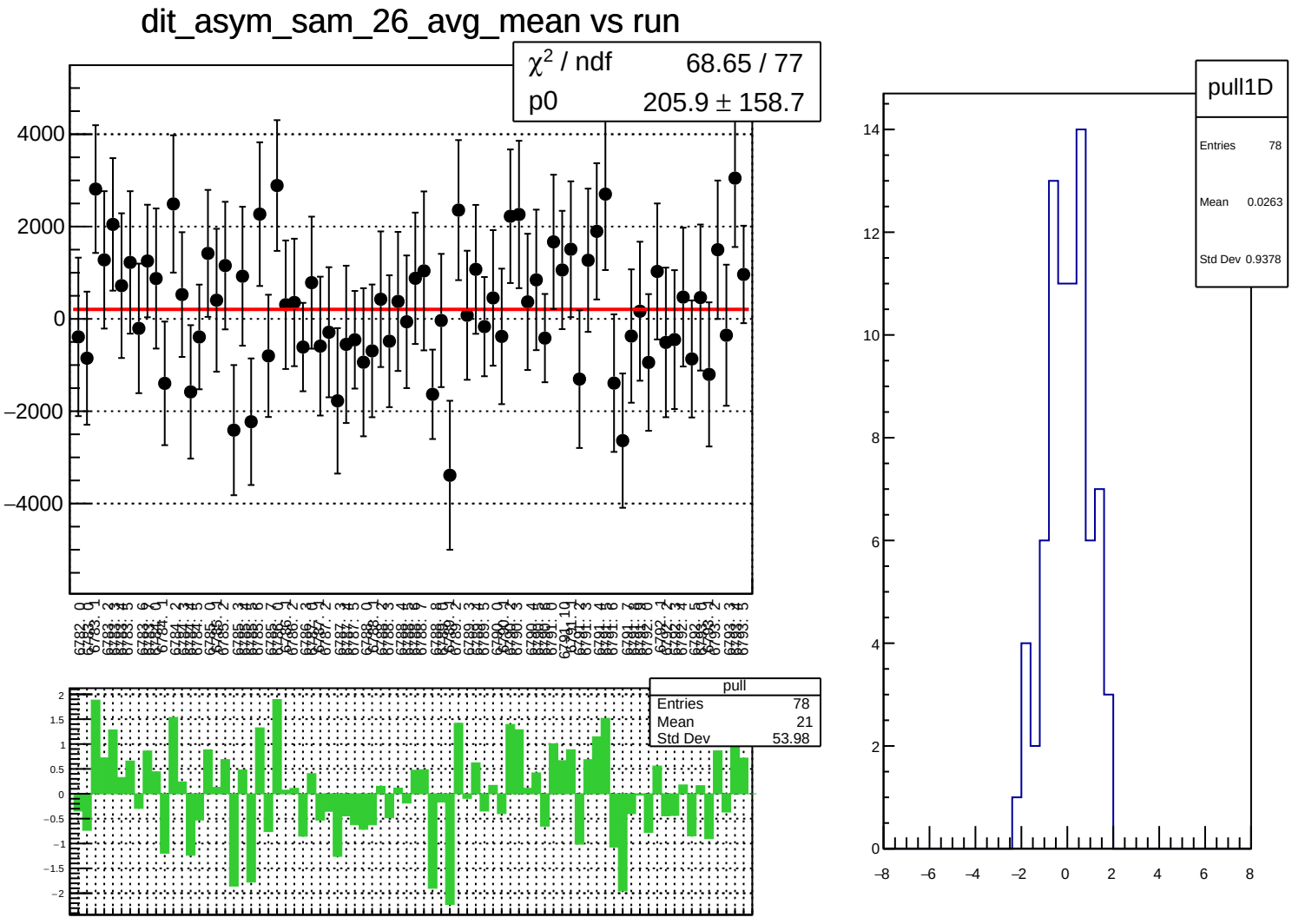



asym_sam_15_avg_correction_mean vs run
χ² / ndf 80.73 / 77
p0 −394.1 ± 445
pull
Entries 78
Mean −151.8
Std Dev 188.8
pull1D
Entries 78
Mean −0.0111
Std Dev 1.017

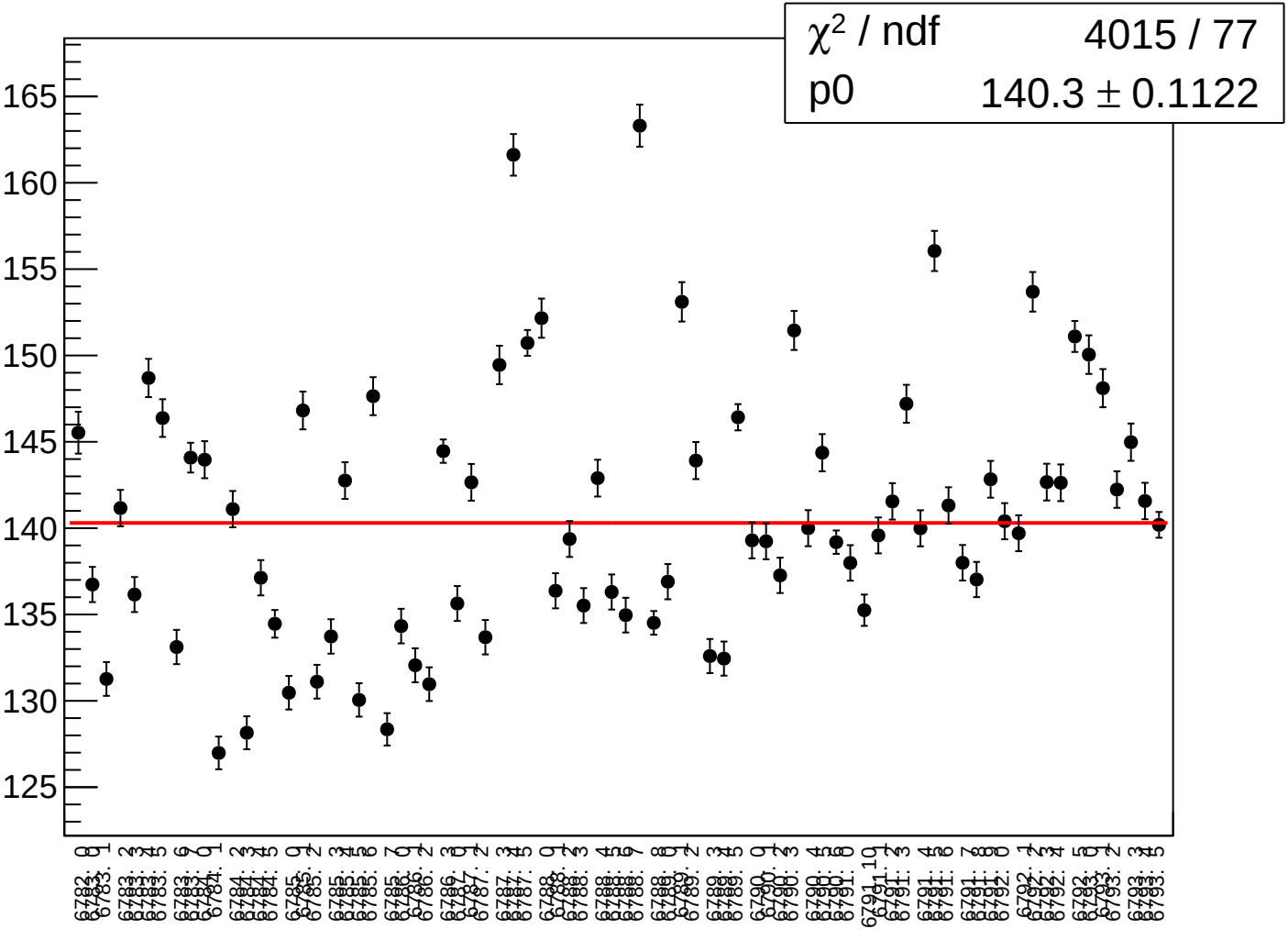

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 1.912e+04 / 77
p0 391.5 ± 0.3147
500
450
400
350
300

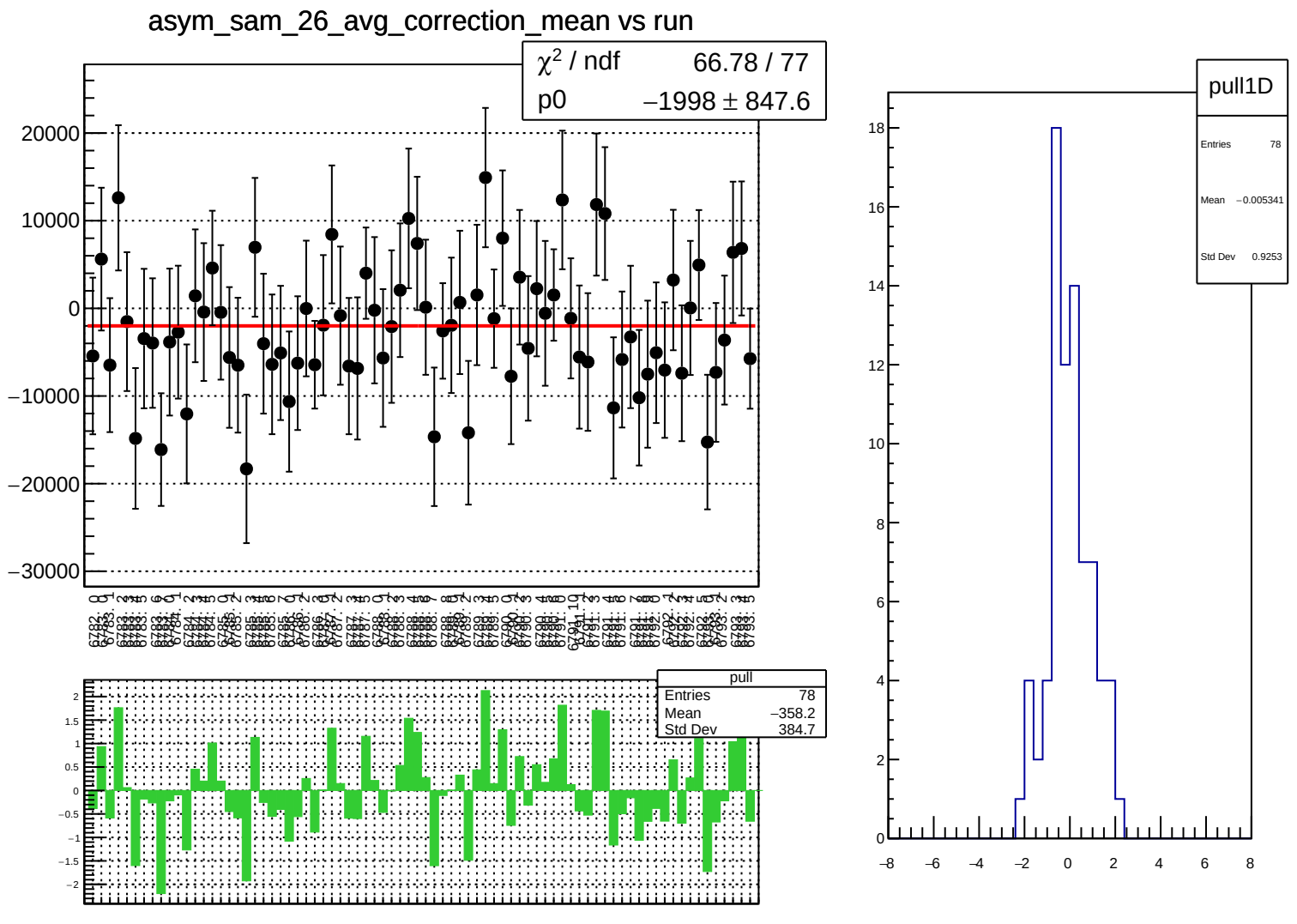

asym_sam_15_avg_mean vs run
χ² / ndf 85.28 / 77
p0 250.9 ± 435.8
pull
Entries 78
Mean −215.8
Std Dev 255.3
pull1D
Entries 78
Mean 0.007785
Std Dev 1.046


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

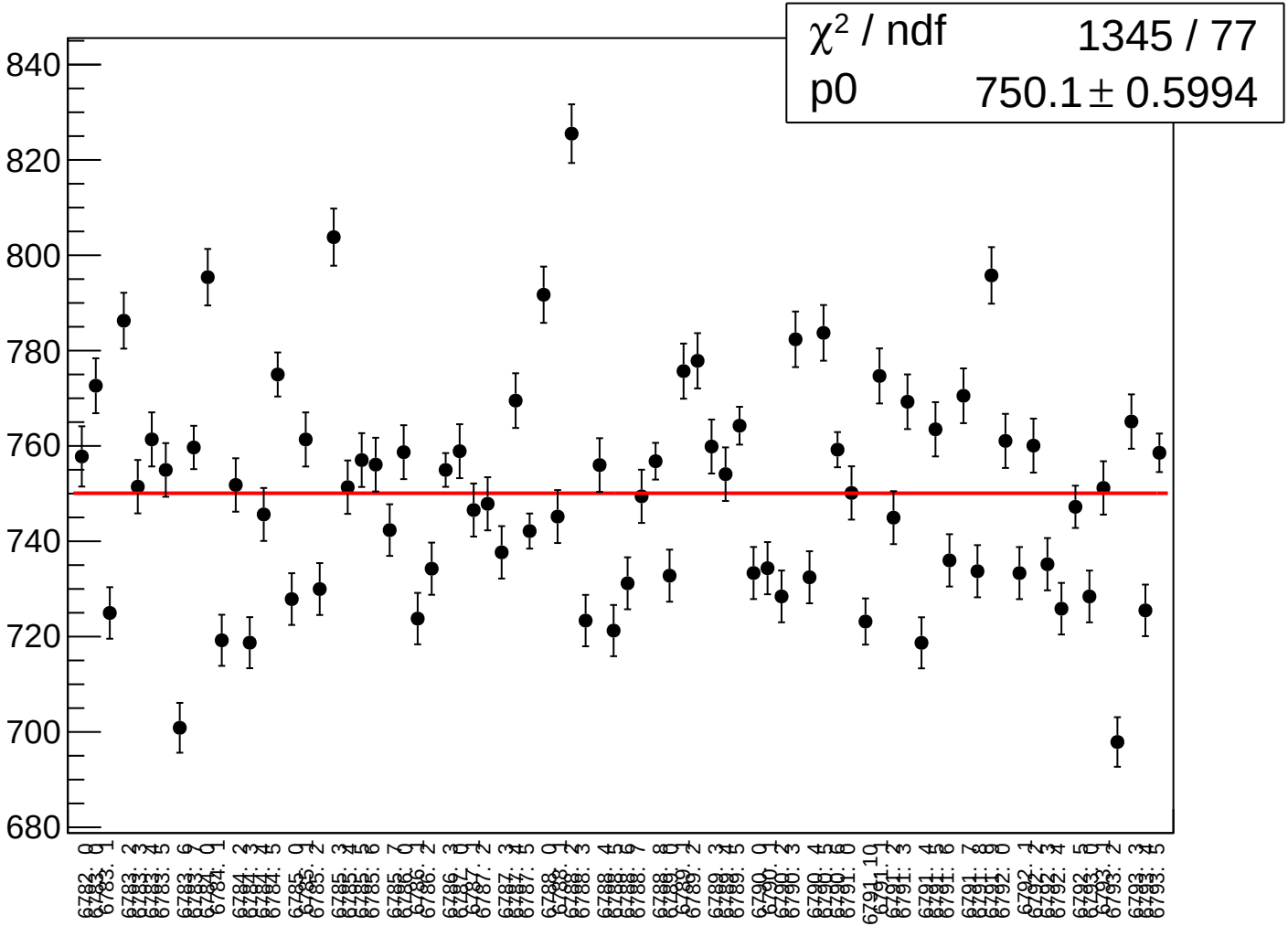

dit_asym_sam_26_avg_mean vs run
χ² / ndf 68.65 / 77
p0 205.9 ± 158.7
pull
Entries 78
Mean 21
Std Dev 53.98
pull1D
Entries 78
Mean 0.0263
Std Dev 0.9378

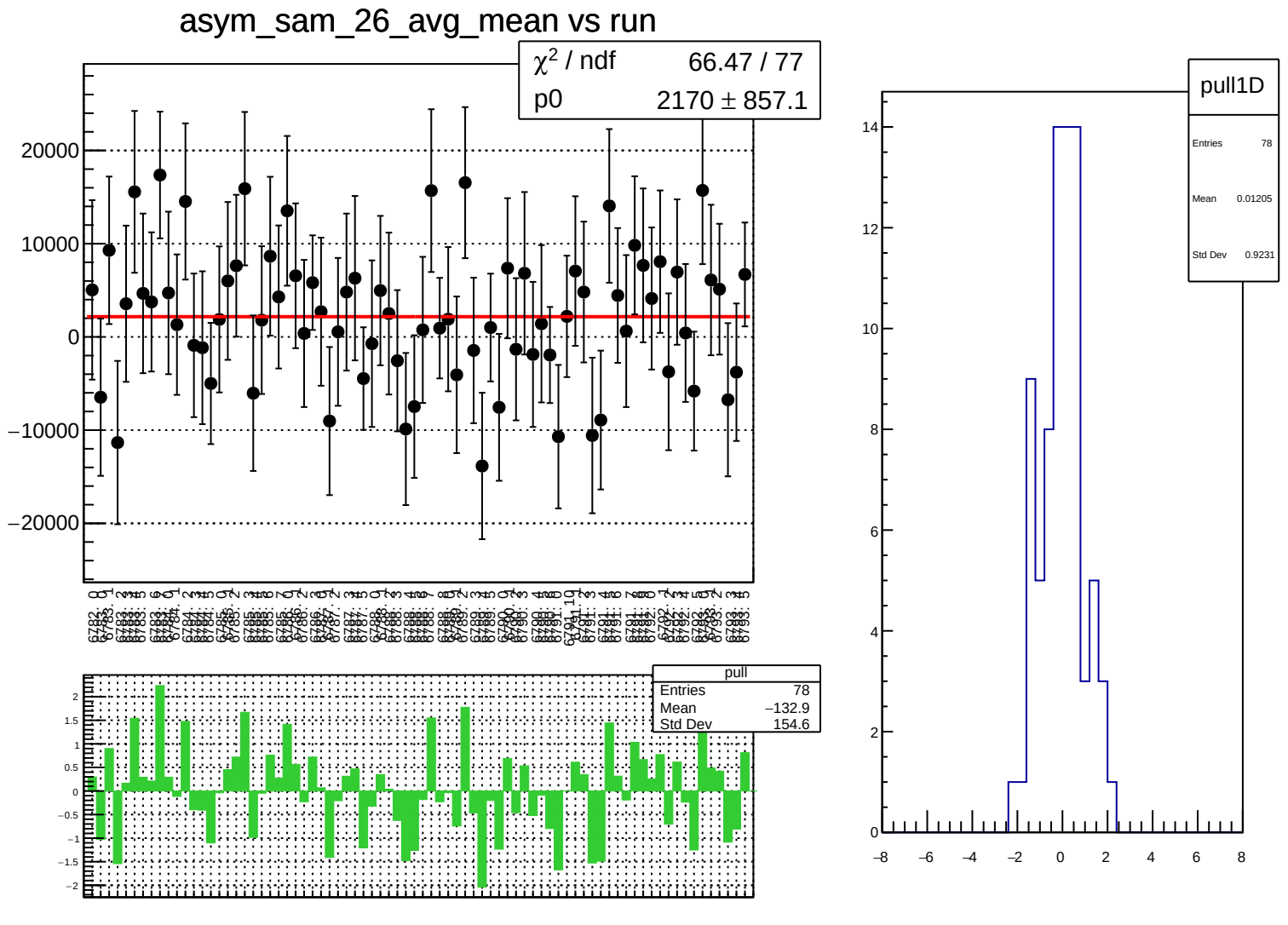
dit_asym_sam_26_avg_rms vs run

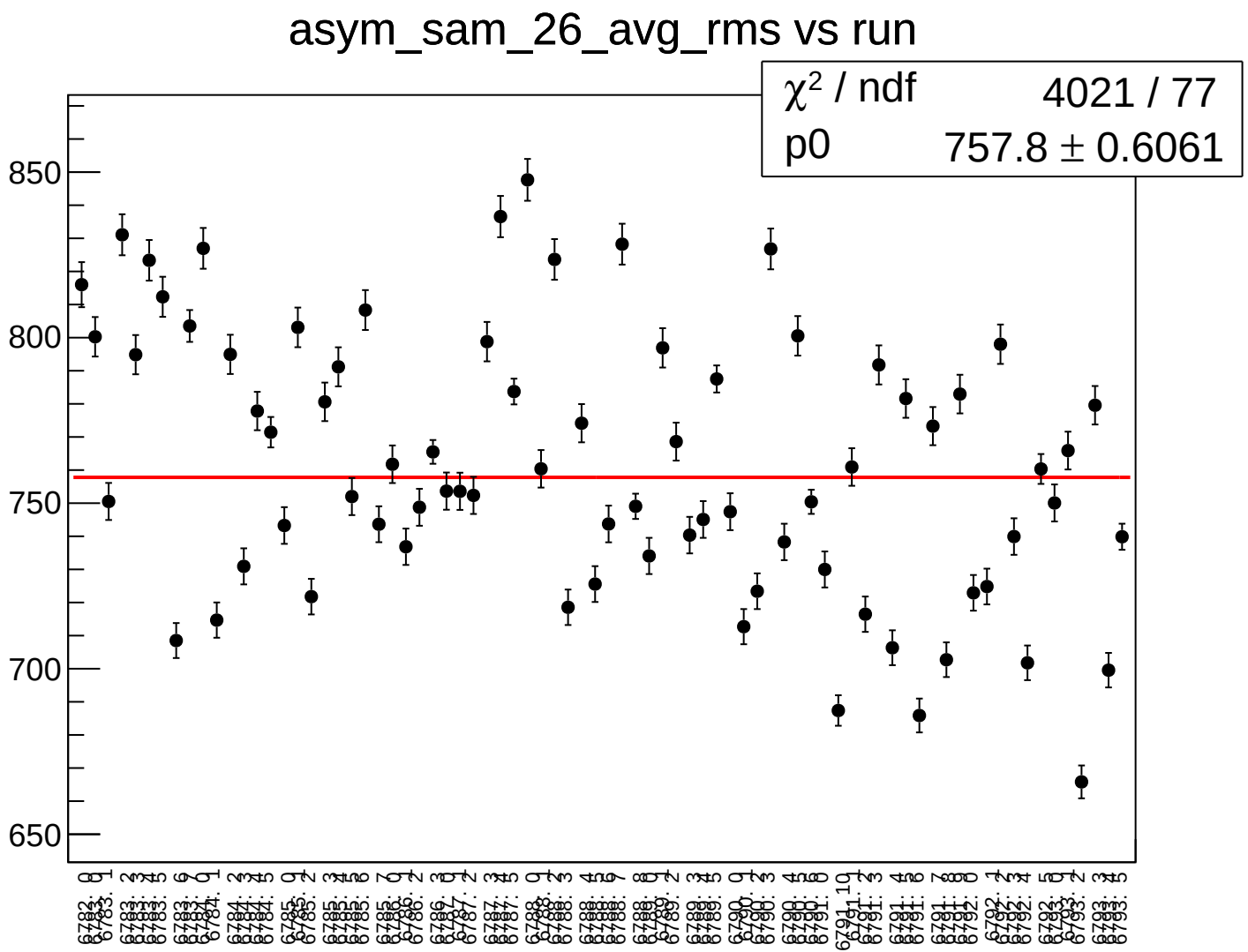


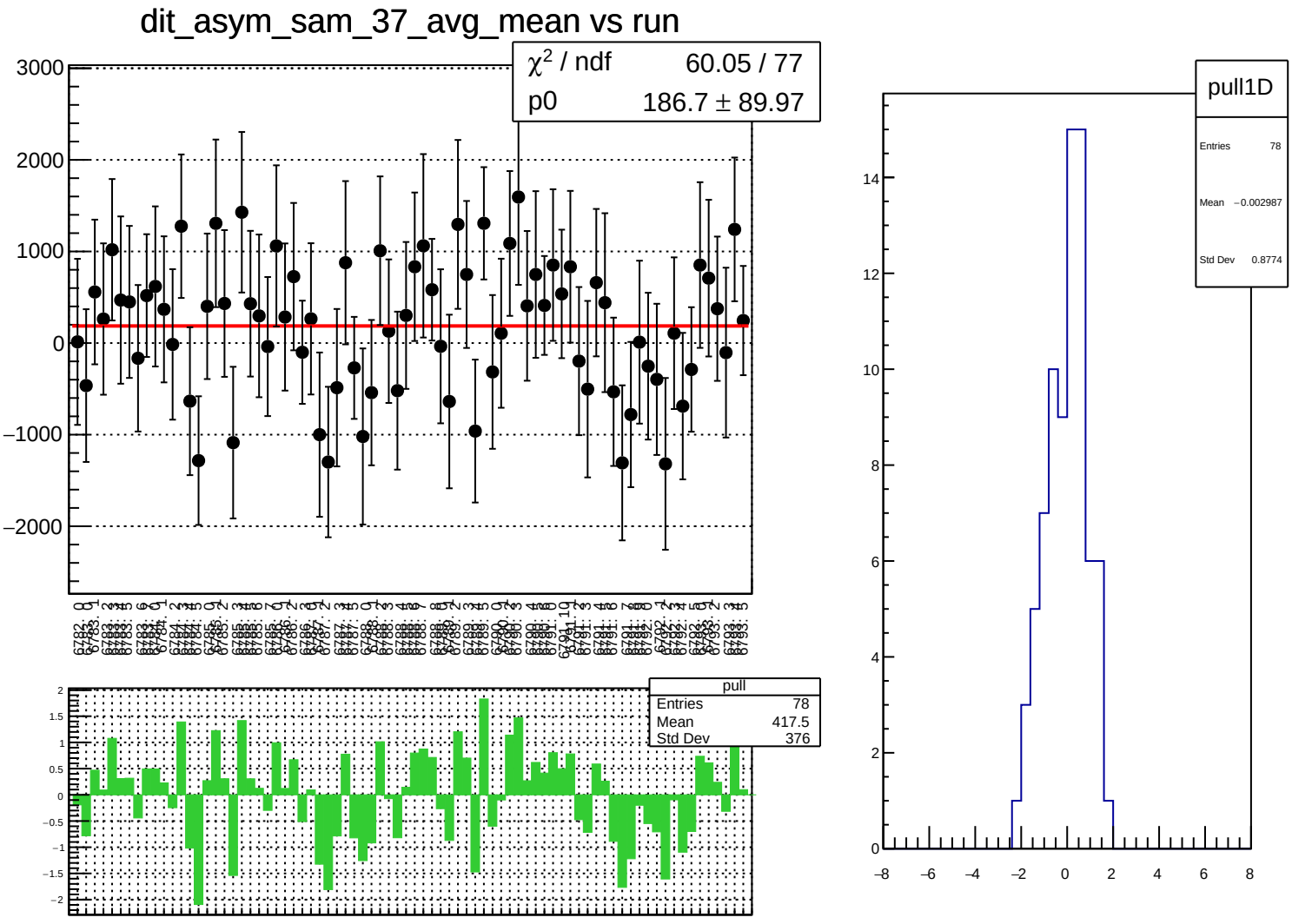

asym_sam_26_avg_correction_mean vs run
χ² / ndf 66.78 / 77
p0 −1998 ± 847.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −358.2
Std Dev 384.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −0.005341
Std Dev 0.9253
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_correction_rms vs run

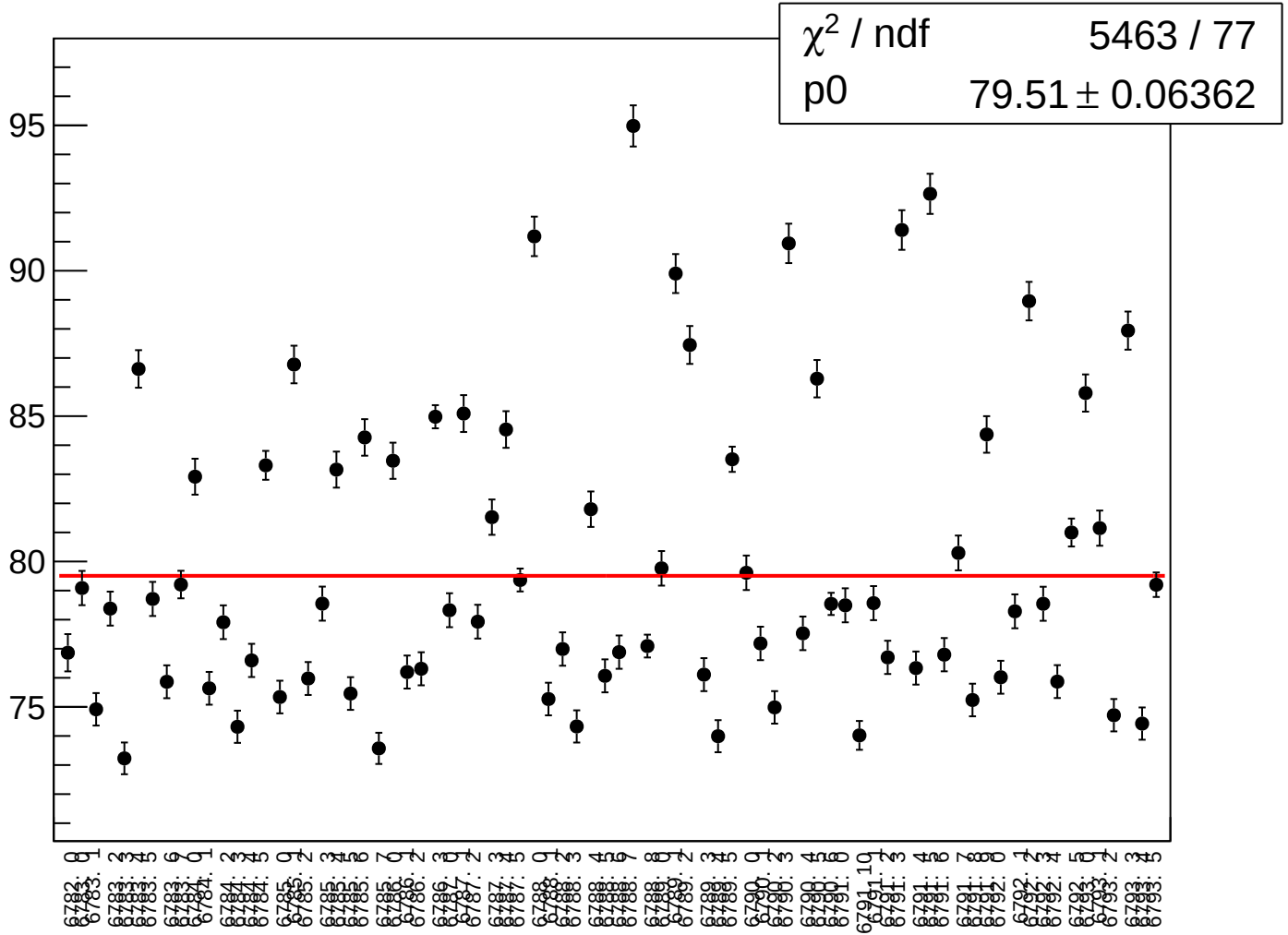


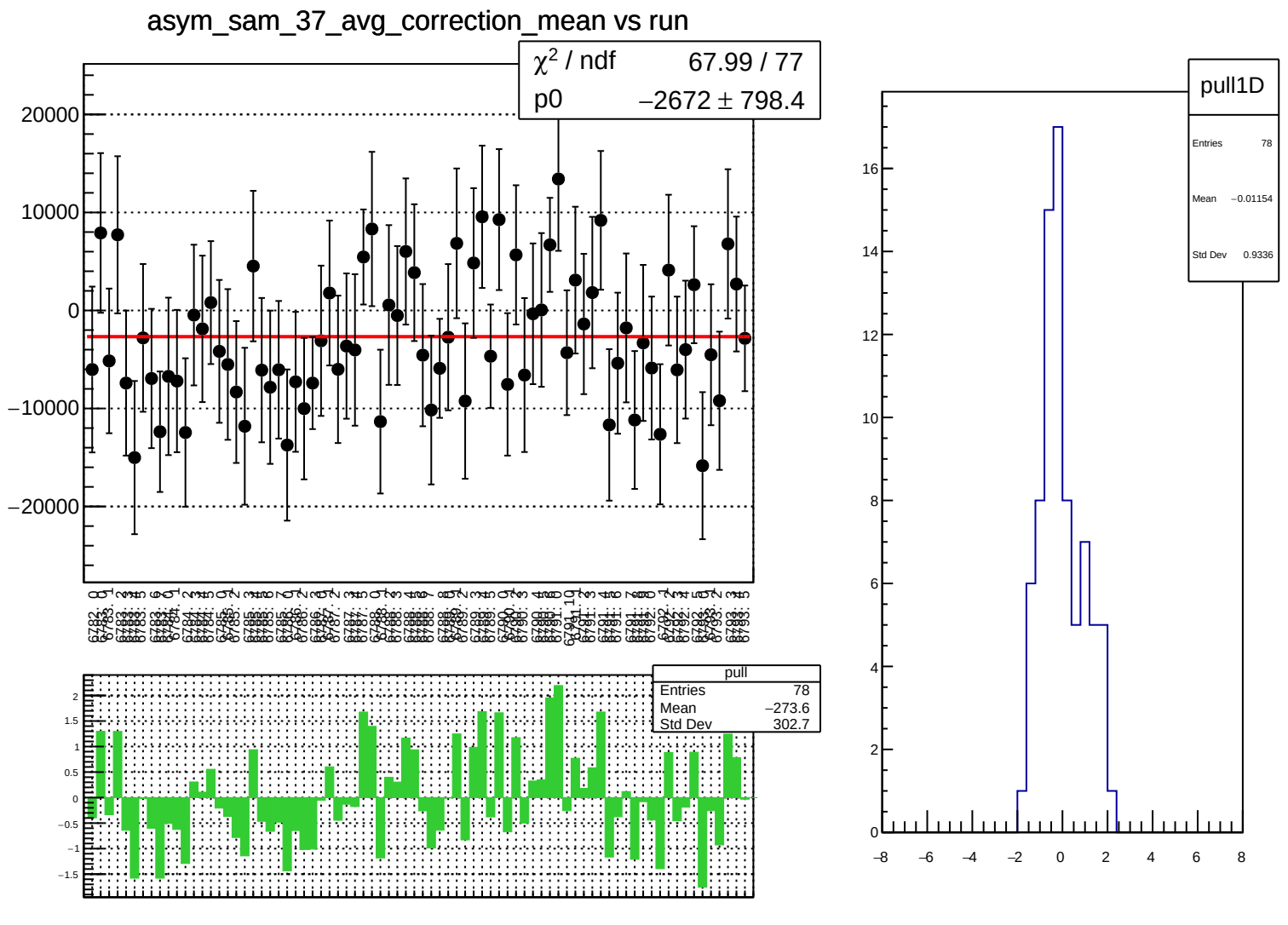

asym_sam_26_avg_mean vs run
χ^2 / ndf 66.47 / 77
p0 2170 ± 857.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −132.9
Std Dev 154.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.01205
Std Dev 0.9231
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

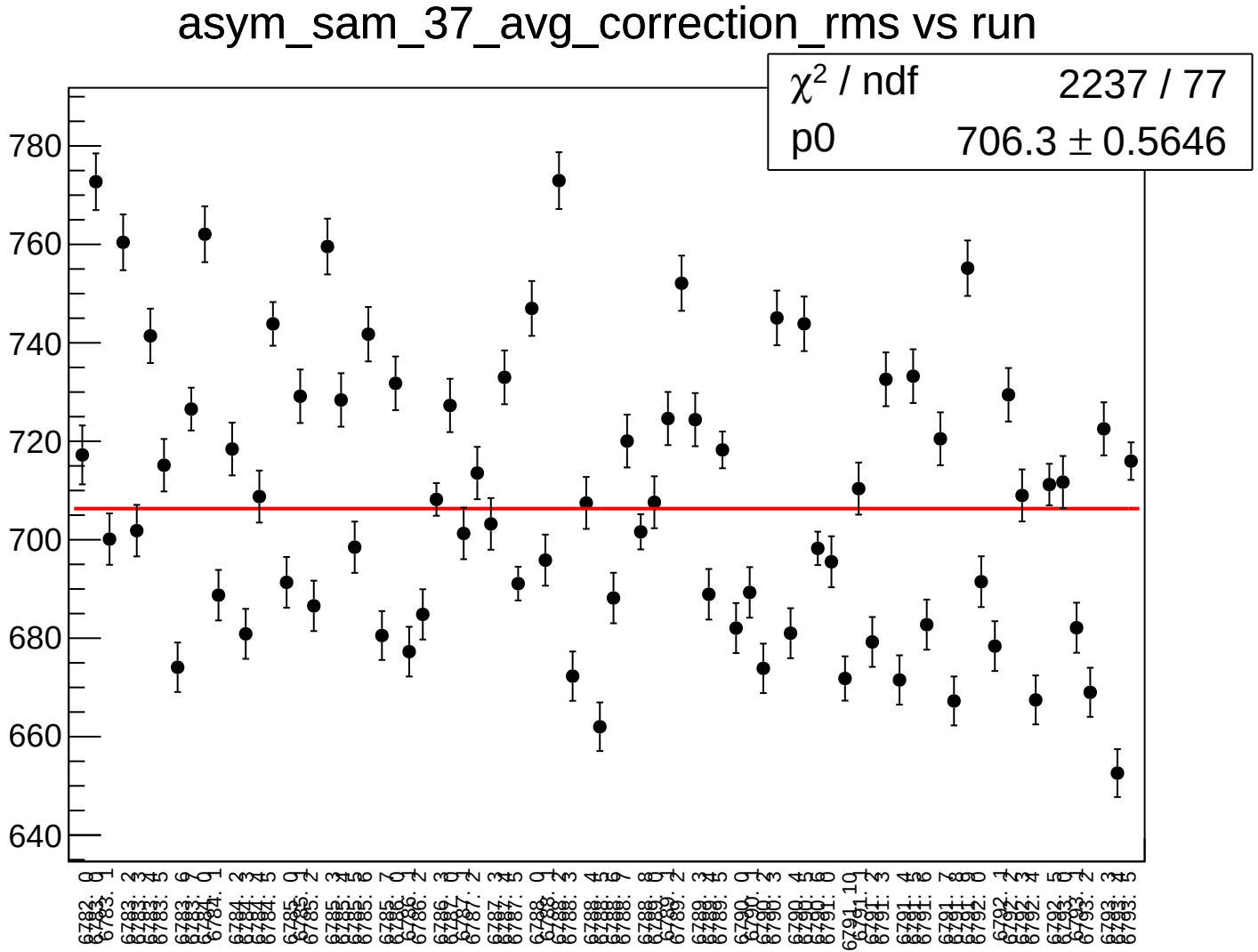

asym_sam_26_avg_rms vs run
χ^2 / ndf 4021 / 77
p0 757.8 ± 0.6061
850
800
750
700
650

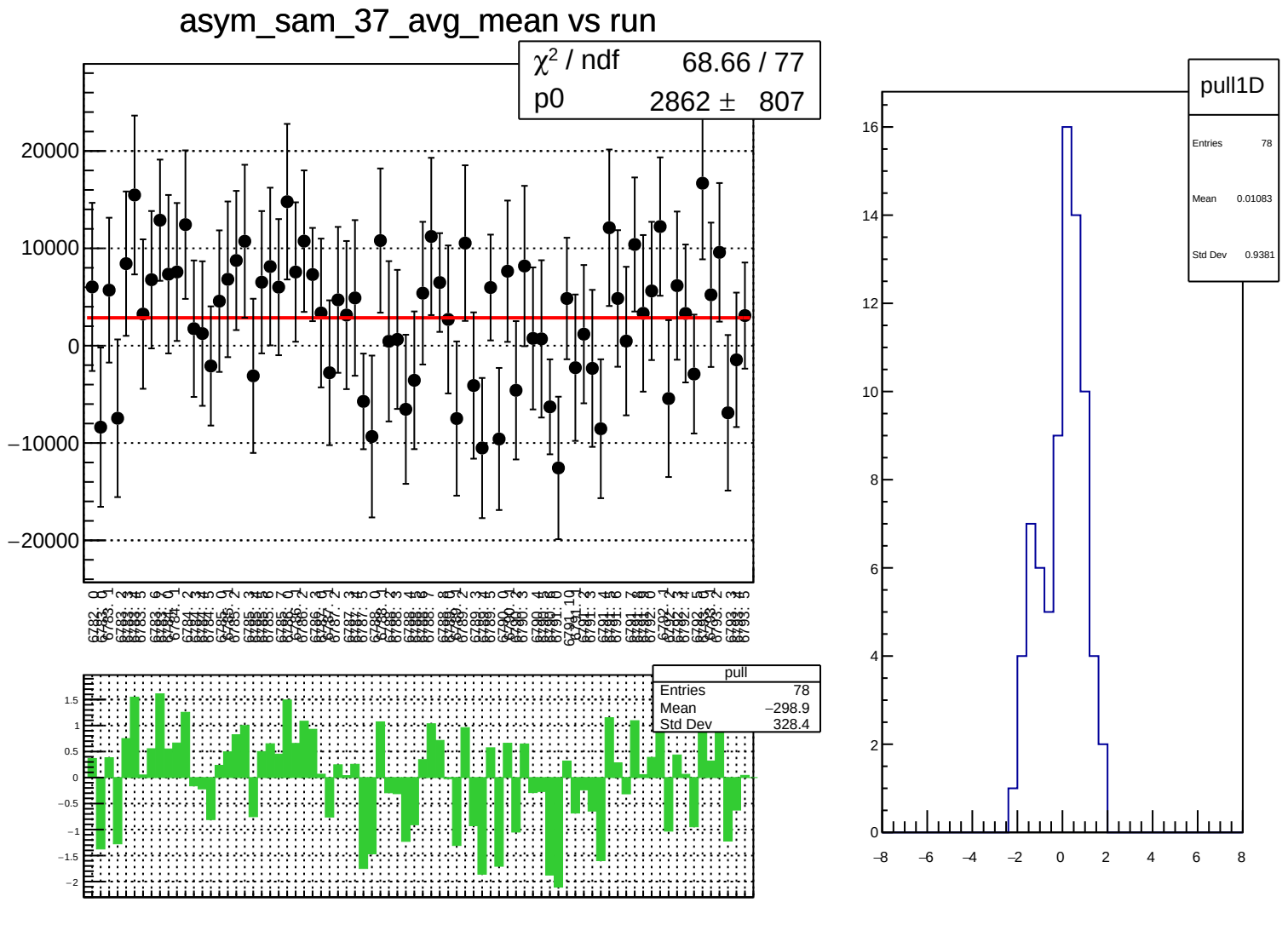

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 60.05 / 77
p0 186.7 ± 89.97
pull
Entries 78
Mean 417.5
Std Dev 376
pull1D
Entries 78
Mean −0.002987
Std Dev 0.8774

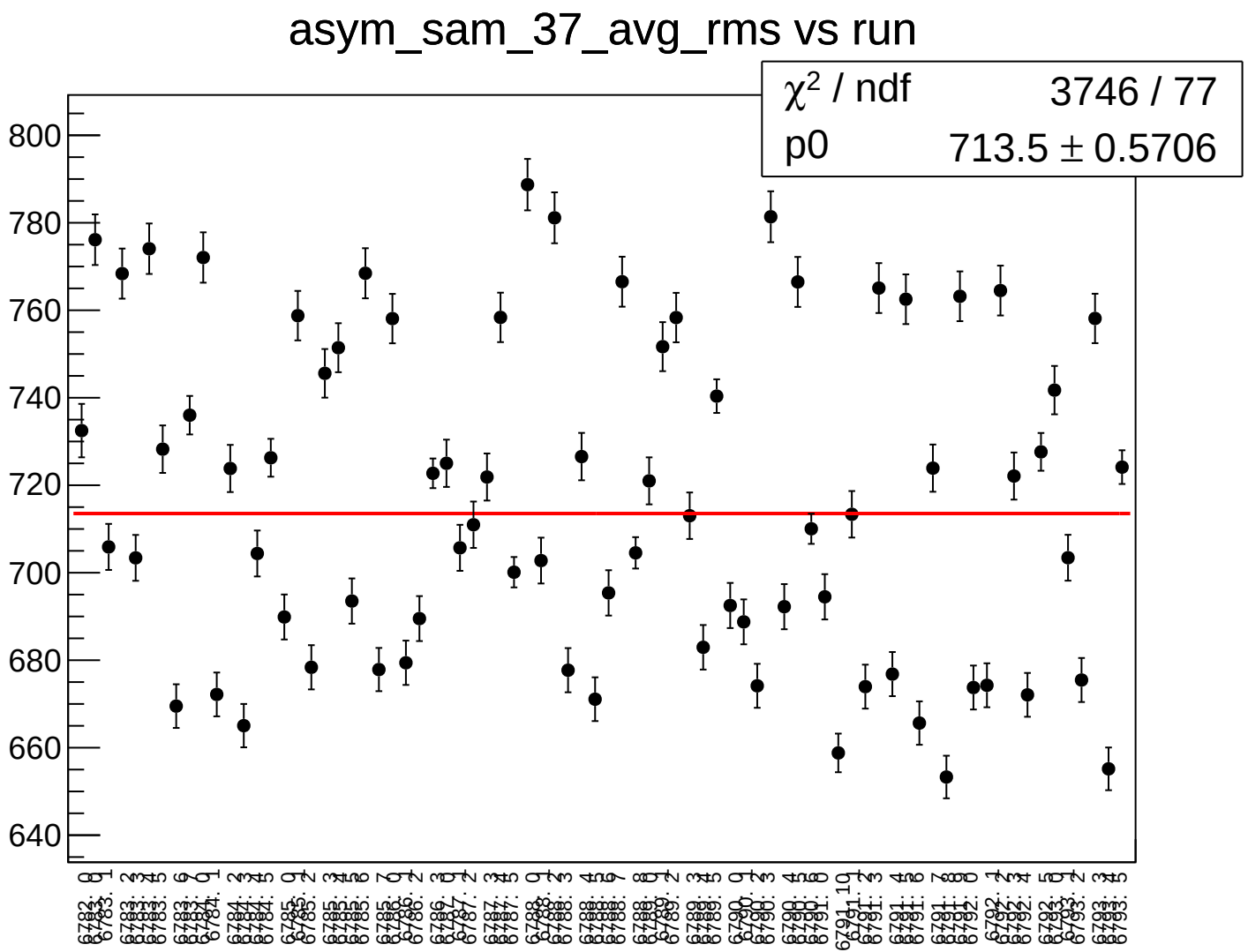
dit_asym_sam_37_avg_rms vs run



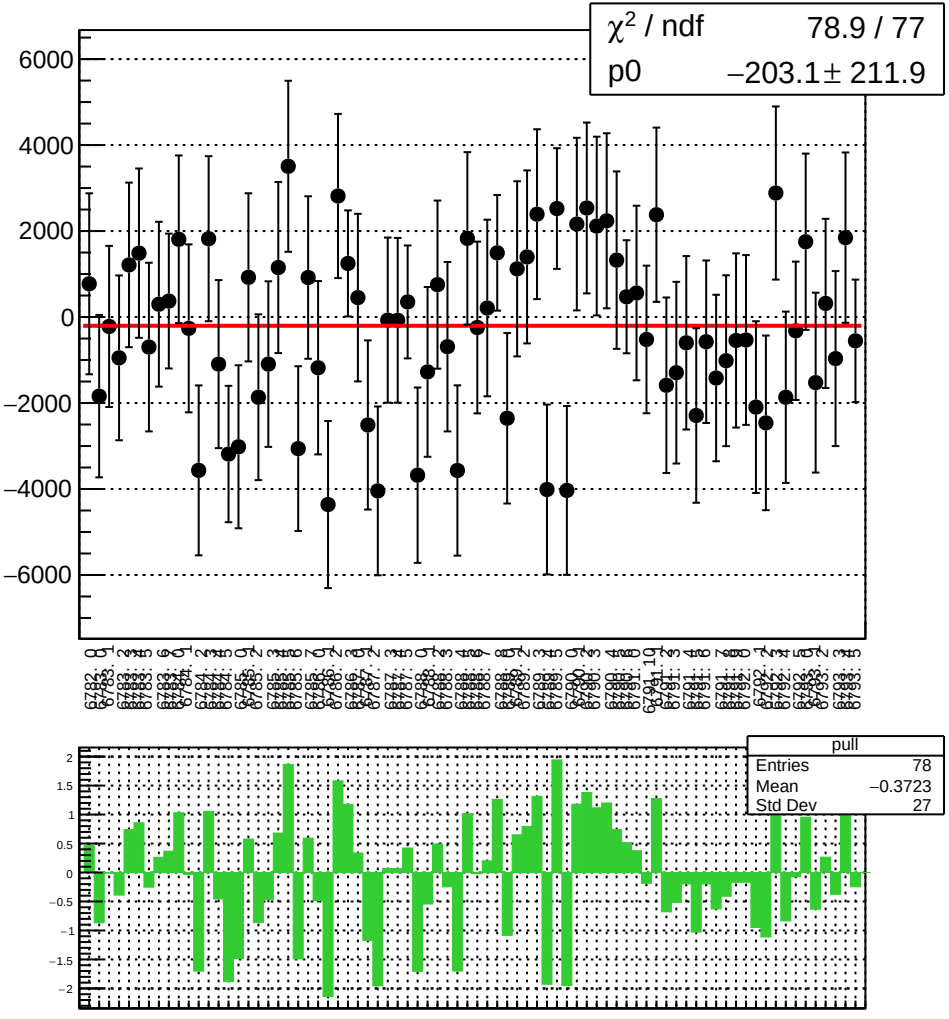

asym_sam_37_avg_correction_mean vs run
χ² / ndf 67.99 / 77
p0 −2672 ± 798.4
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −273.6
Std Dev 302.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.01154
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

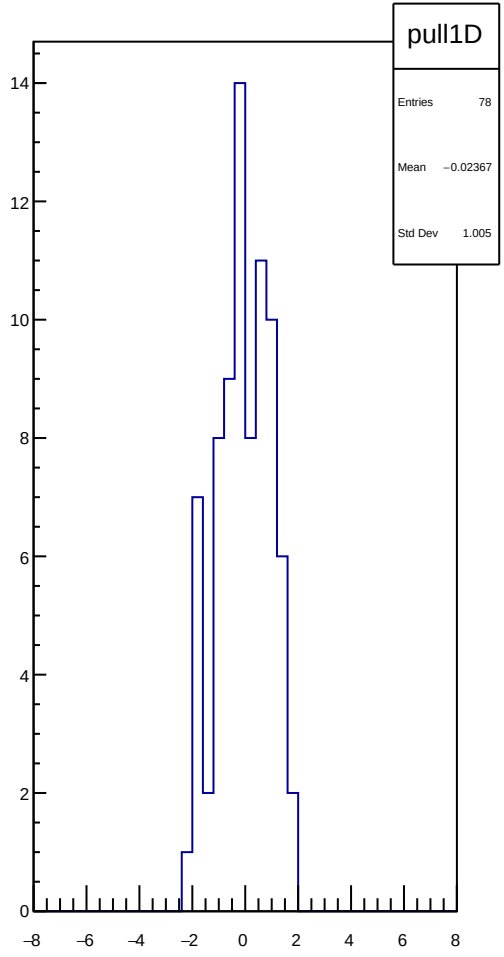

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2237 / 77
p0 706.3 ± 0.5646
780
760
740
720
700
680
660
640


asym_sam_37_avg_mean vs run
χ² / ndf 68.66 / 77
p0 2862 ± 807
pull
Entries 78
Mean −298.9
Std Dev 328.4
pull1D
Entries 78
Mean 0.01083
Std Dev 0.9381

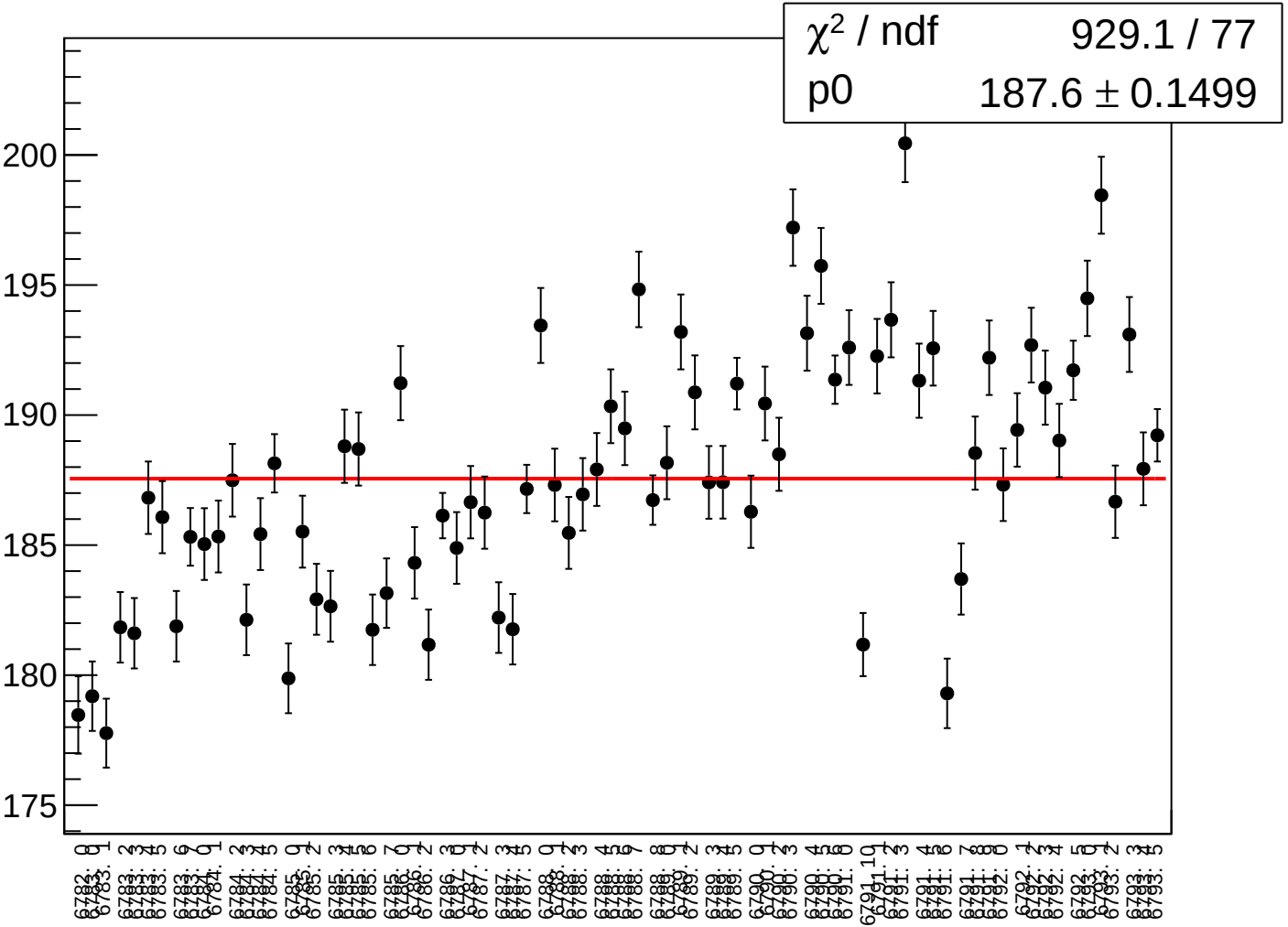

asym_sam_37_avg_rms vs run
χ^2 / ndf 3746 / 77
p0 713.5 ± 0.5706
800
780
760
740
720
700
680
660
640

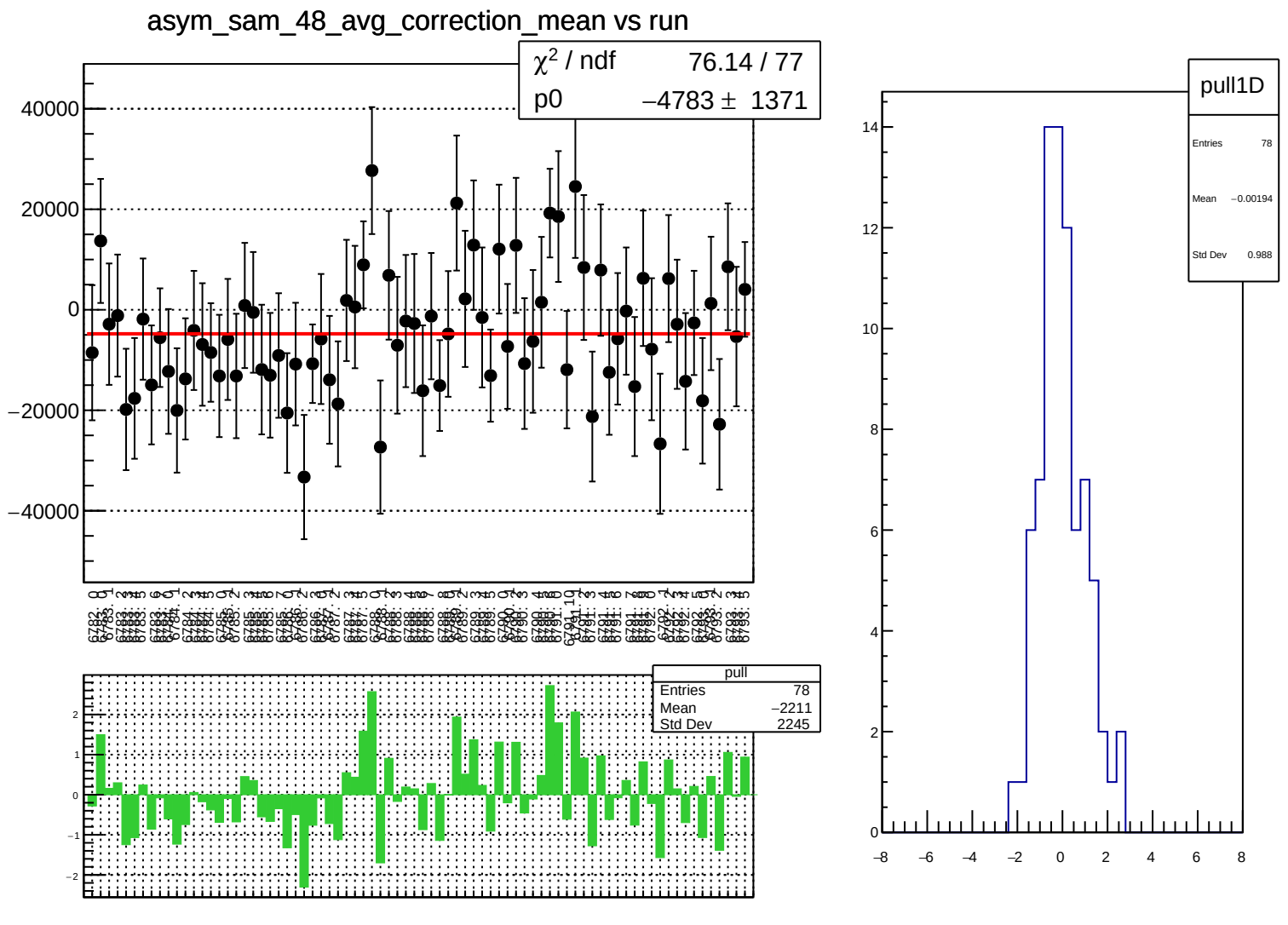
dit_asym_sam_48_avg_mean vs run



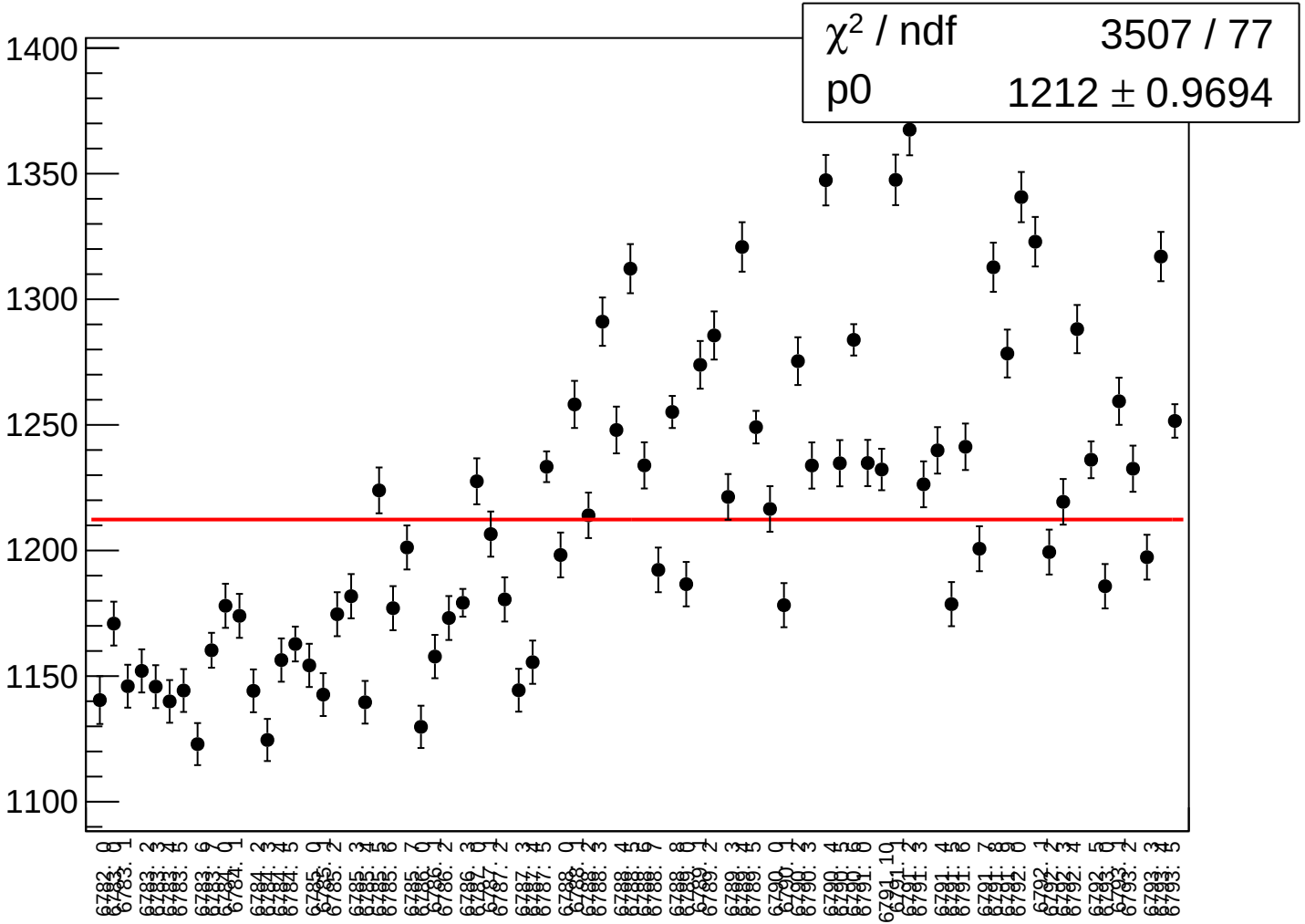


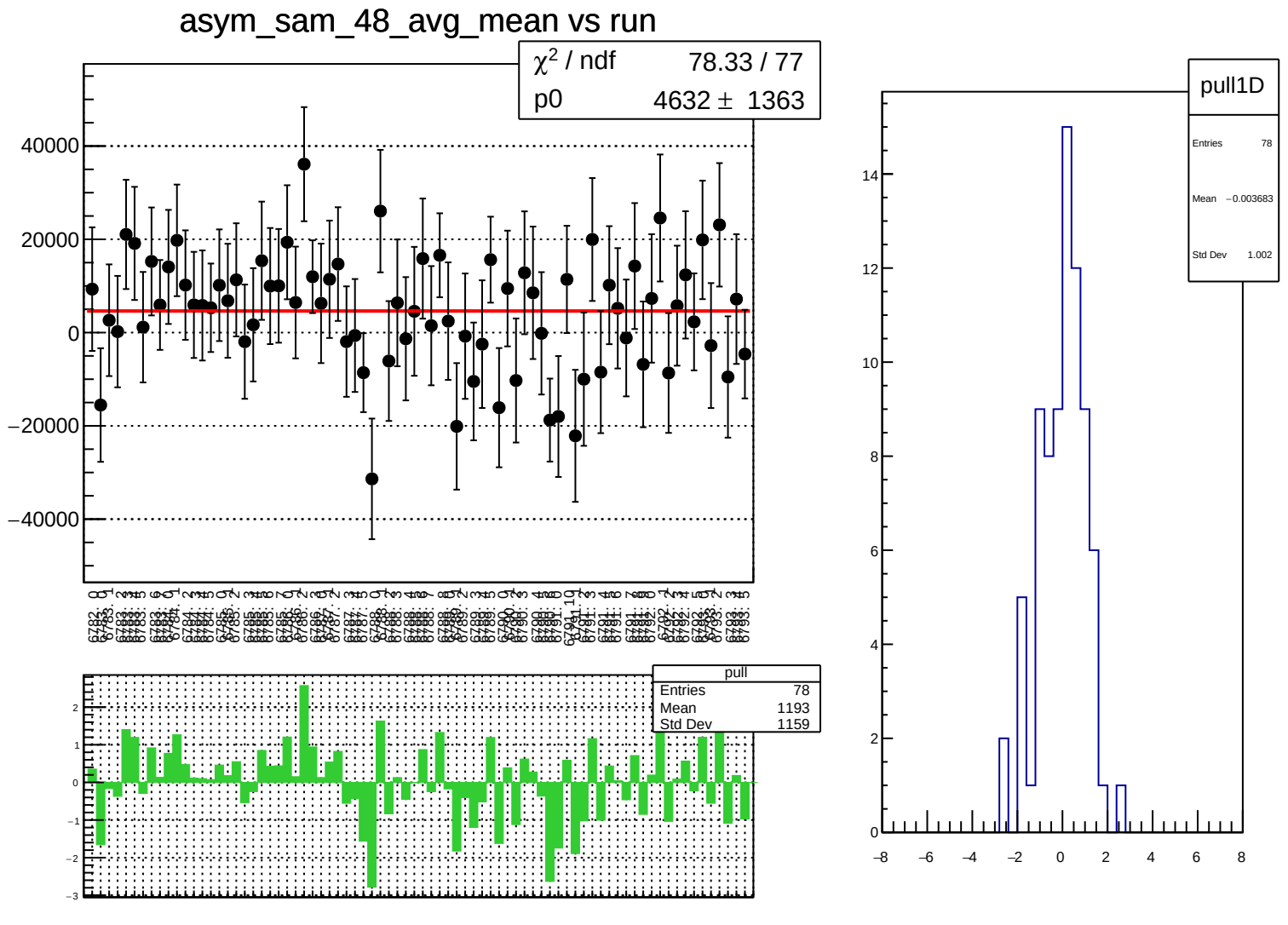
dit_asym_sam_48_avg_rms vs run

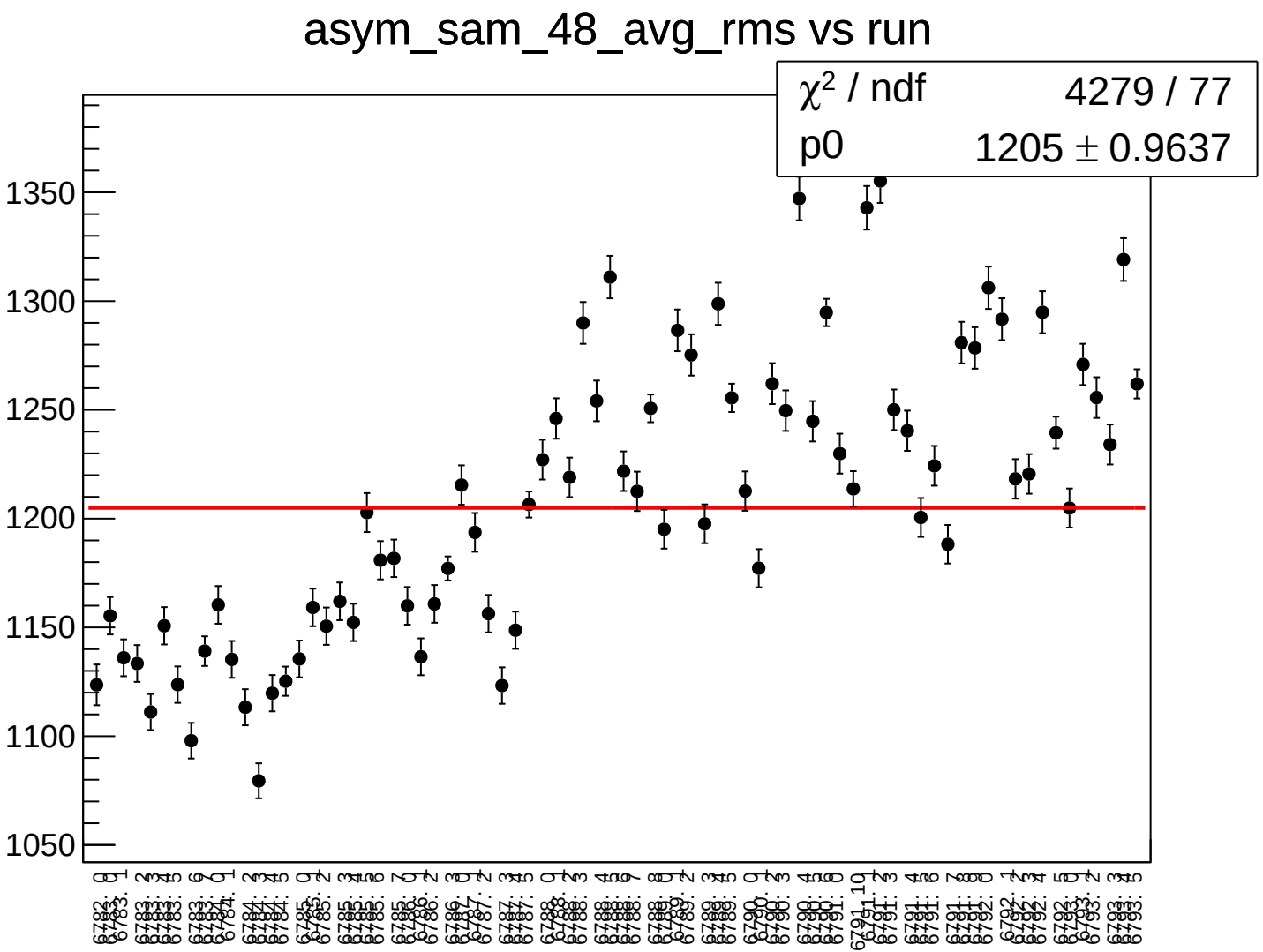


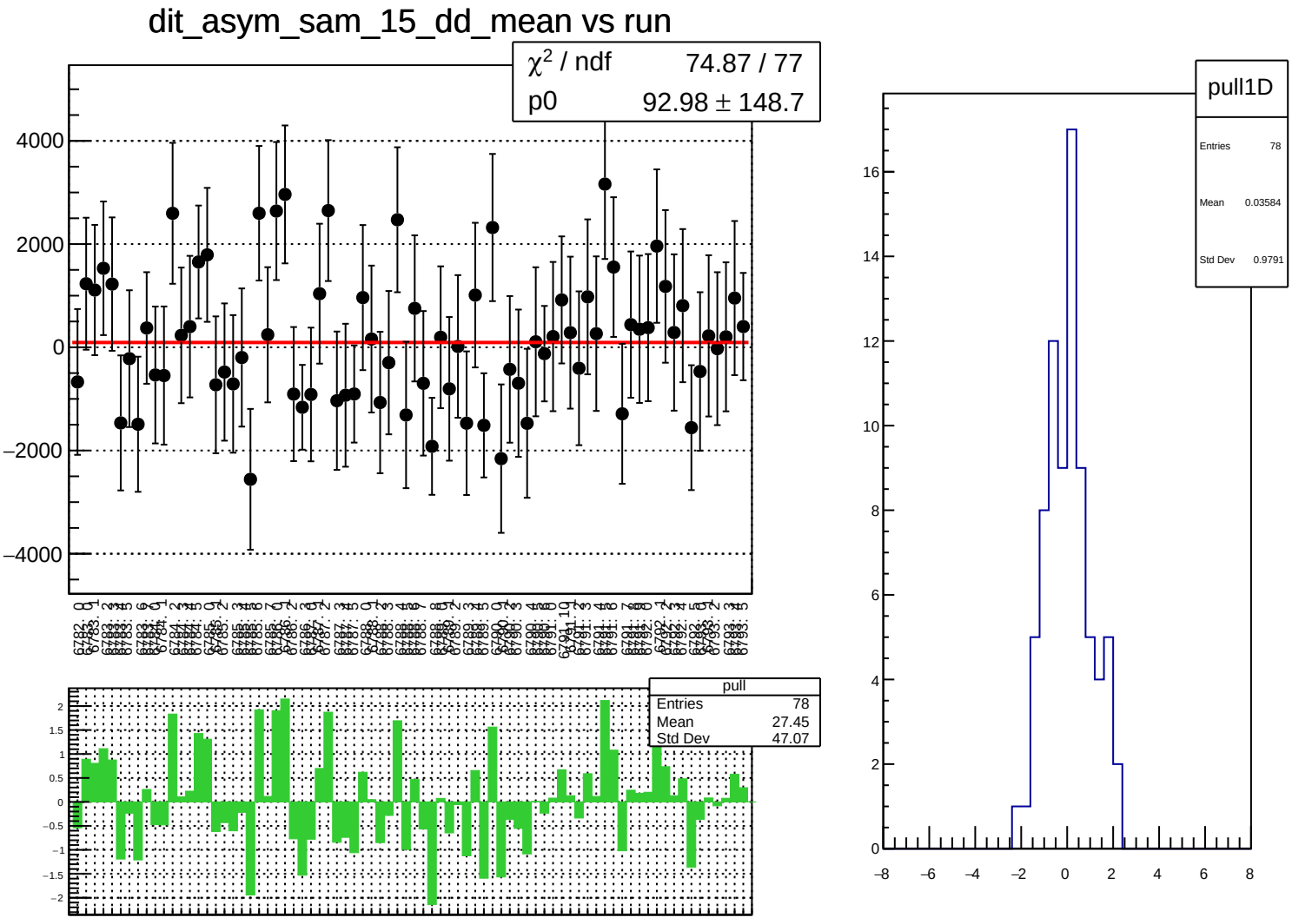

asym_sam_48_avg_correction_mean vs run
χ^2 / ndf 76.14 / 77
p0 −4783 ± 1371
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −2211
Std Dev 2245
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.00194
Std Dev 0.988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_correction_rms vs run

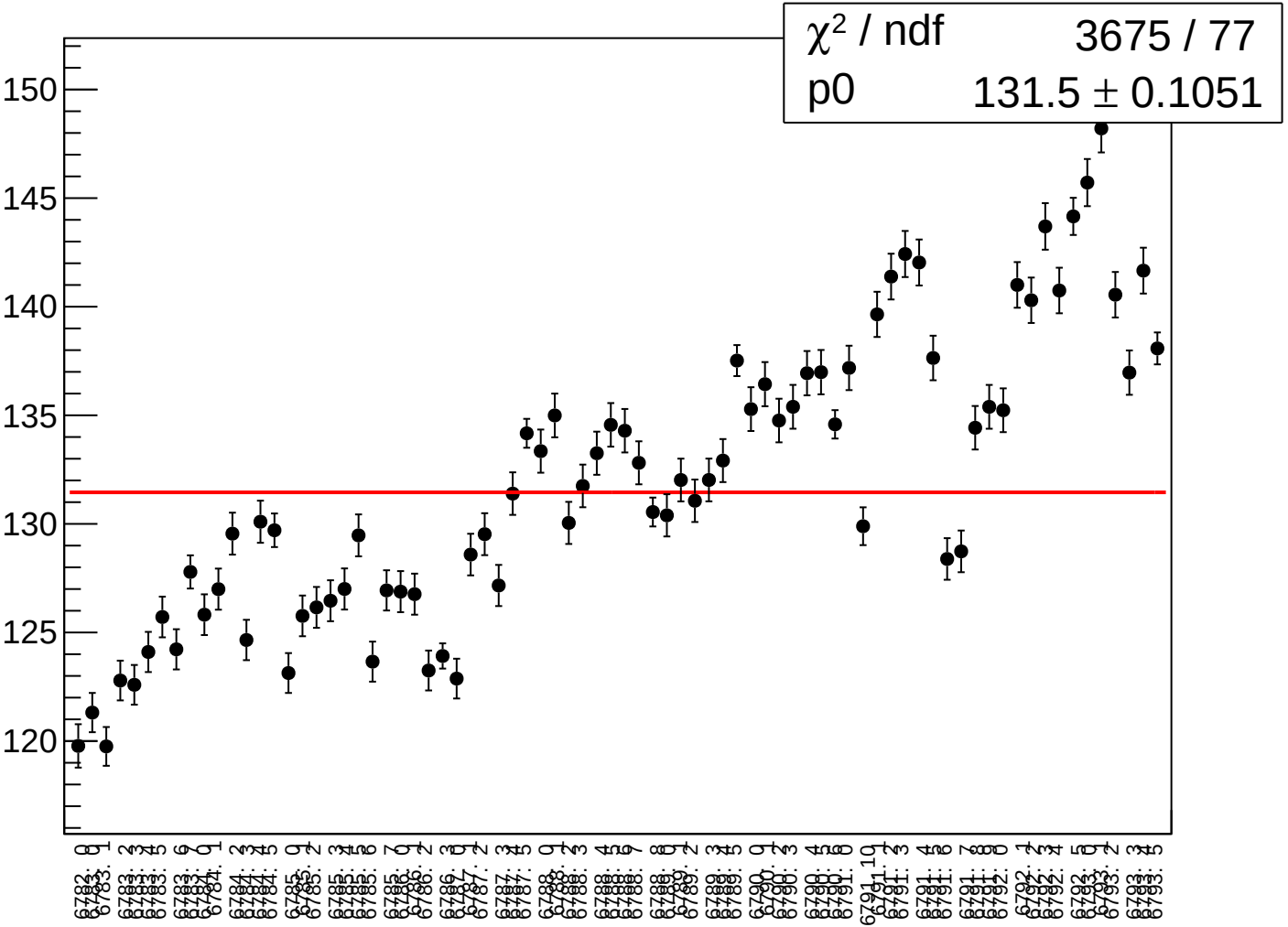


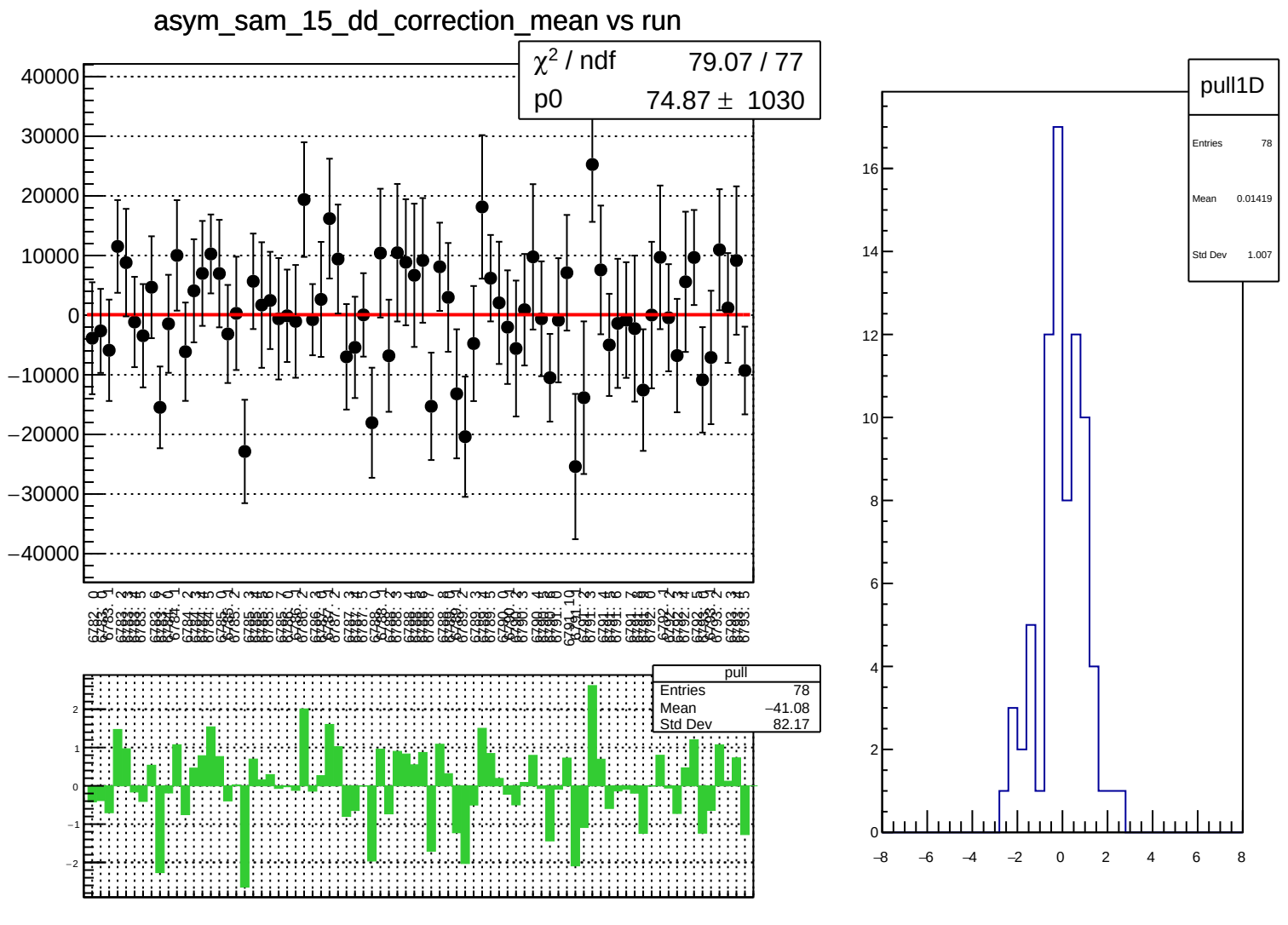

asym_sam_48_avg_mean vs run
χ² / ndf 78.33 / 77
p0 4632 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1193
Std Dev 1159
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.003683
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

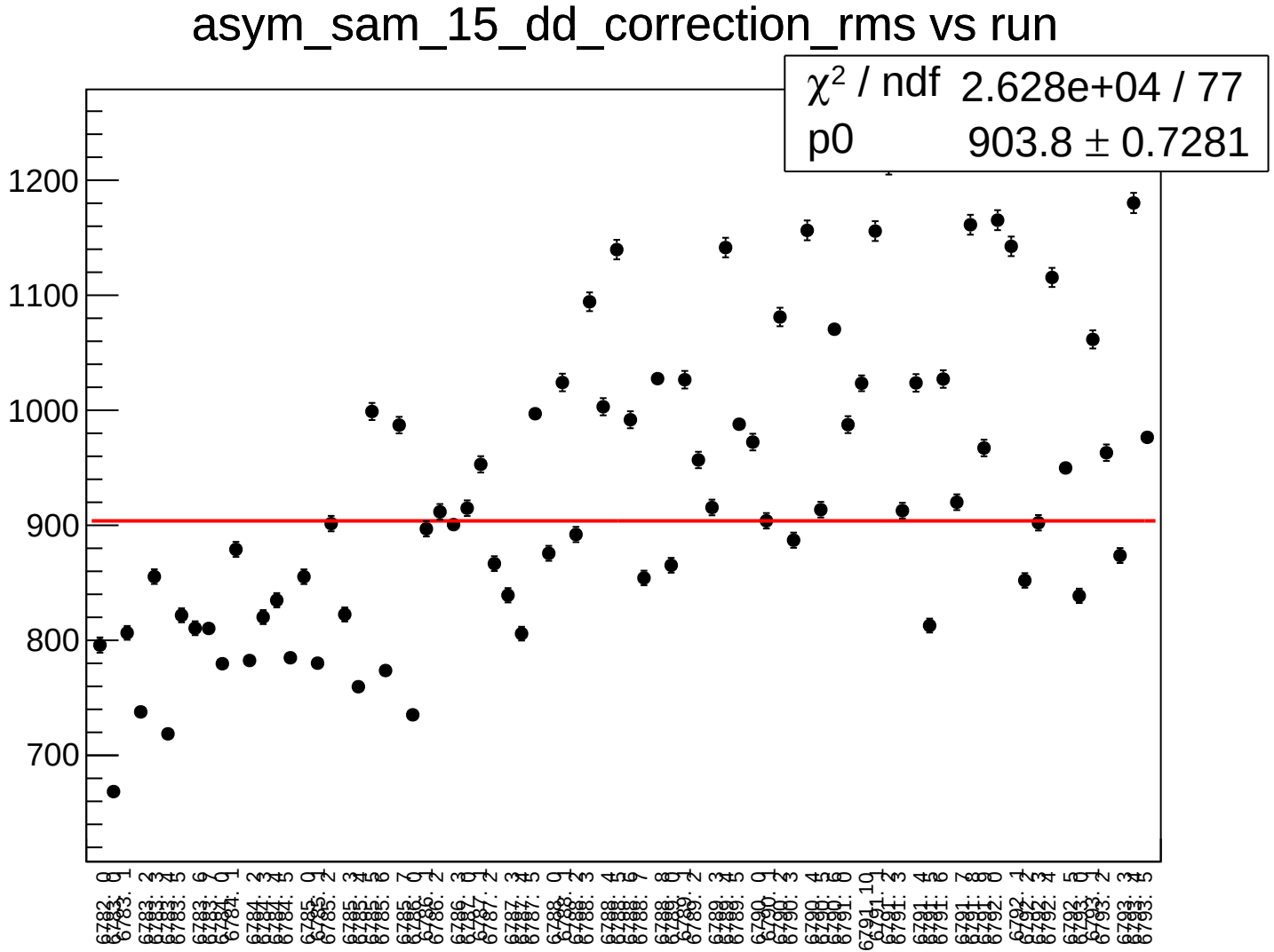

asym_sam_48_avg_rms vs run
χ^2 / ndf 4279 / 77
p0 1205 ± 0.9637
1350
1300
1250
1200
1150
1100
1050

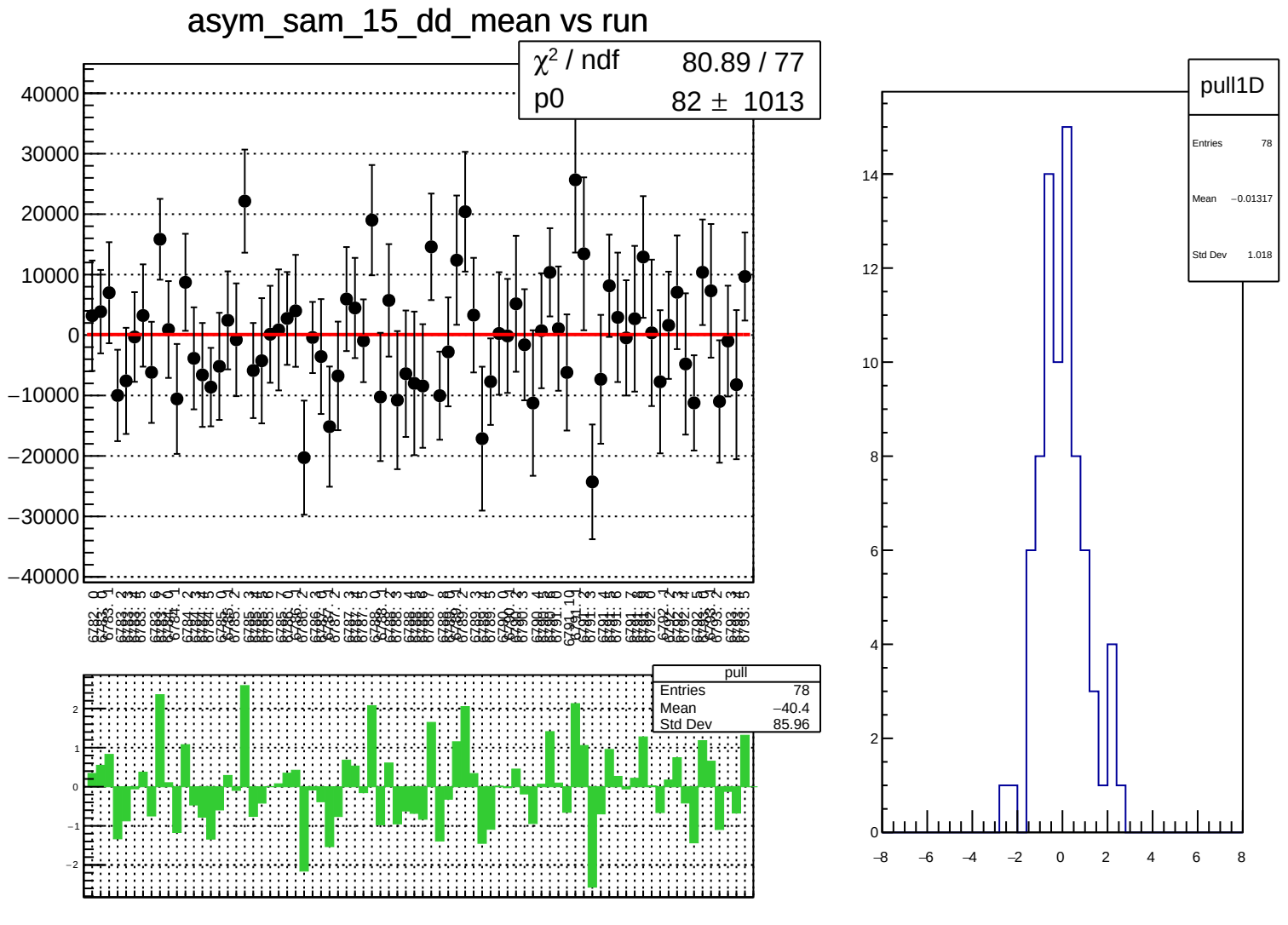

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 74.87 / 77
p0 92.98 ± 148.7
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 27.45
Std Dev 47.07
pull1D
Entries 78
Mean 0.03584
Std Dev 0.9791

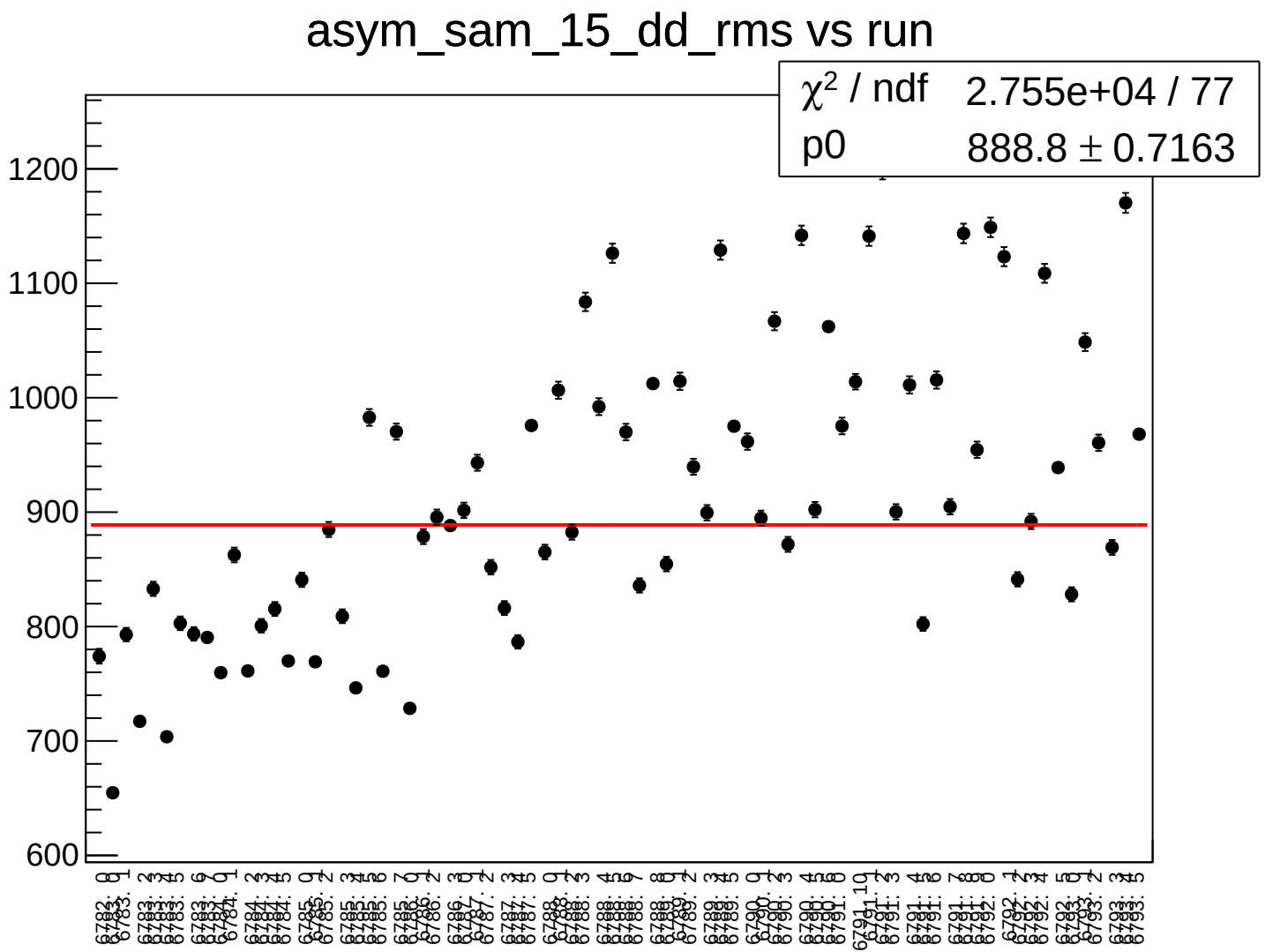
dit_asym_sam_15_dd_rms vs run

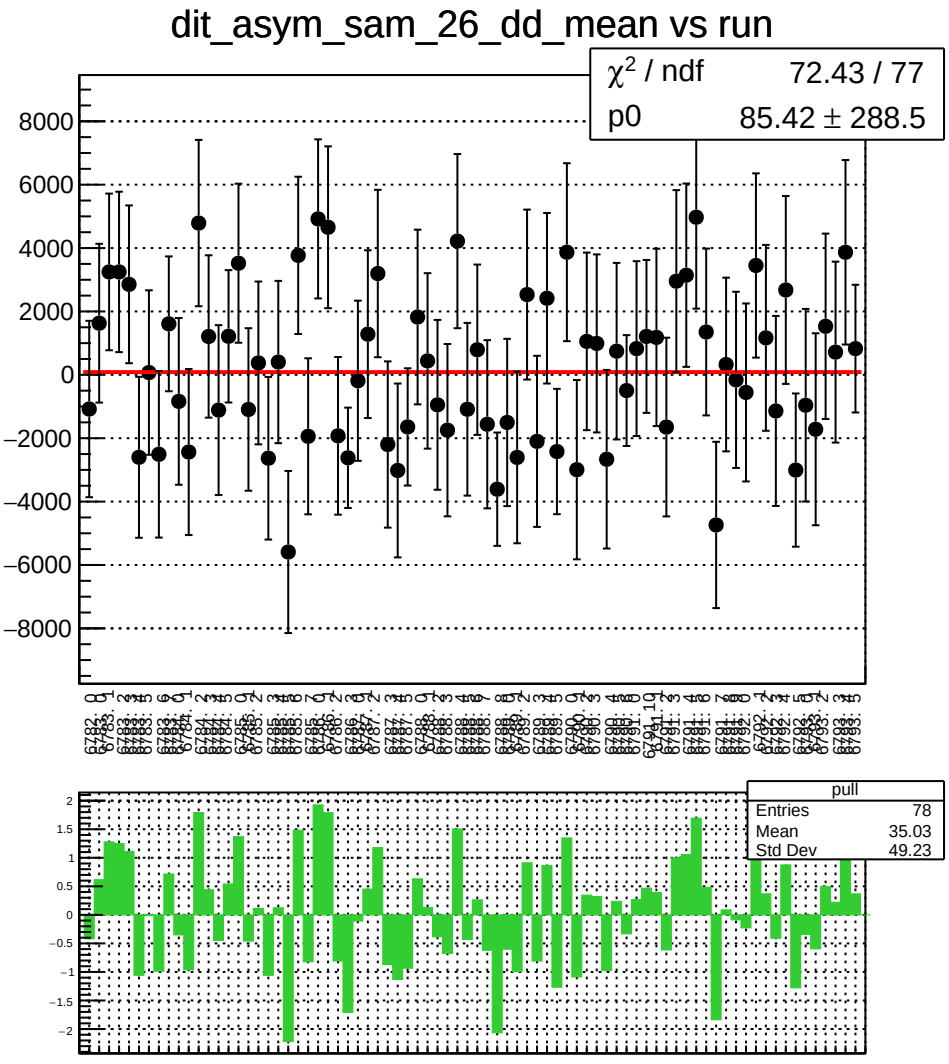


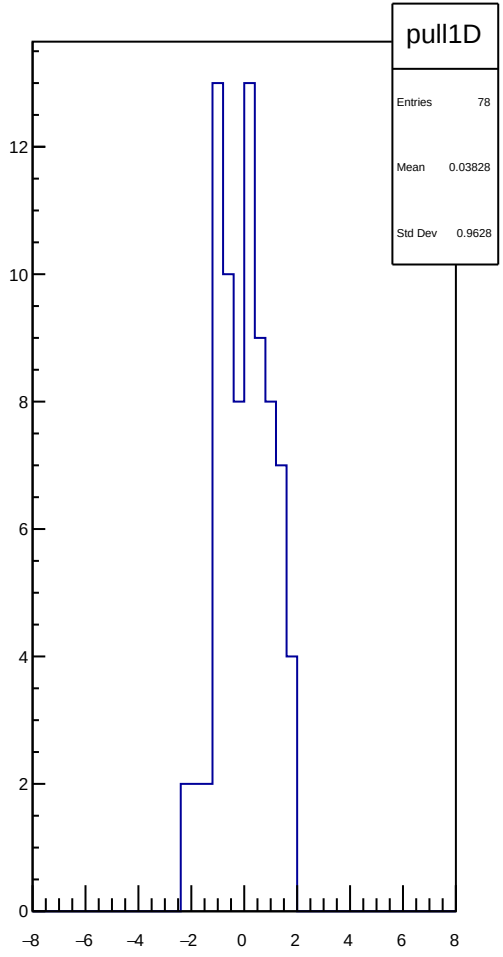

asym_sam_15_dd_correction_mean vs run
χ² / ndf 79.07 / 77
p0 74.87 ± 1030
pull
Entries 78
Mean −41.08
Std Dev 82.17
pull1D
Entries 78
Mean 0.01419
Std Dev 1.007


asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.628e+04 / 77
p0 903.8 ± 0.7281
1200
1100
1000
900
800
700

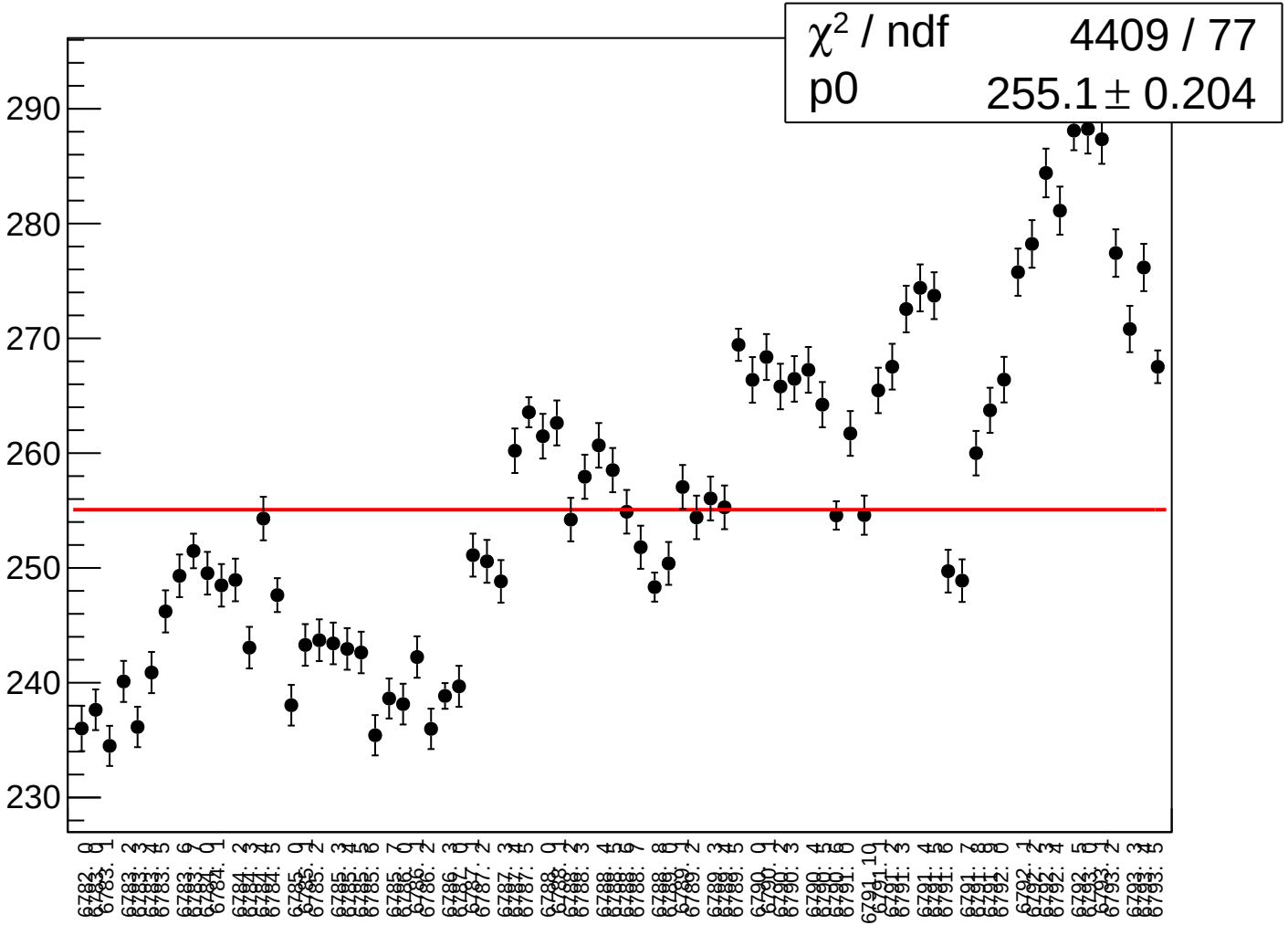

asym_sam_15_dd_mean vs run
χ² / ndf 80.89 / 77
p0 82 ± 1013
pull
Entries 78
Mean −40.4
Std Dev 85.96
pull1D
Entries 78
Mean −0.01317
Std Dev 1.018

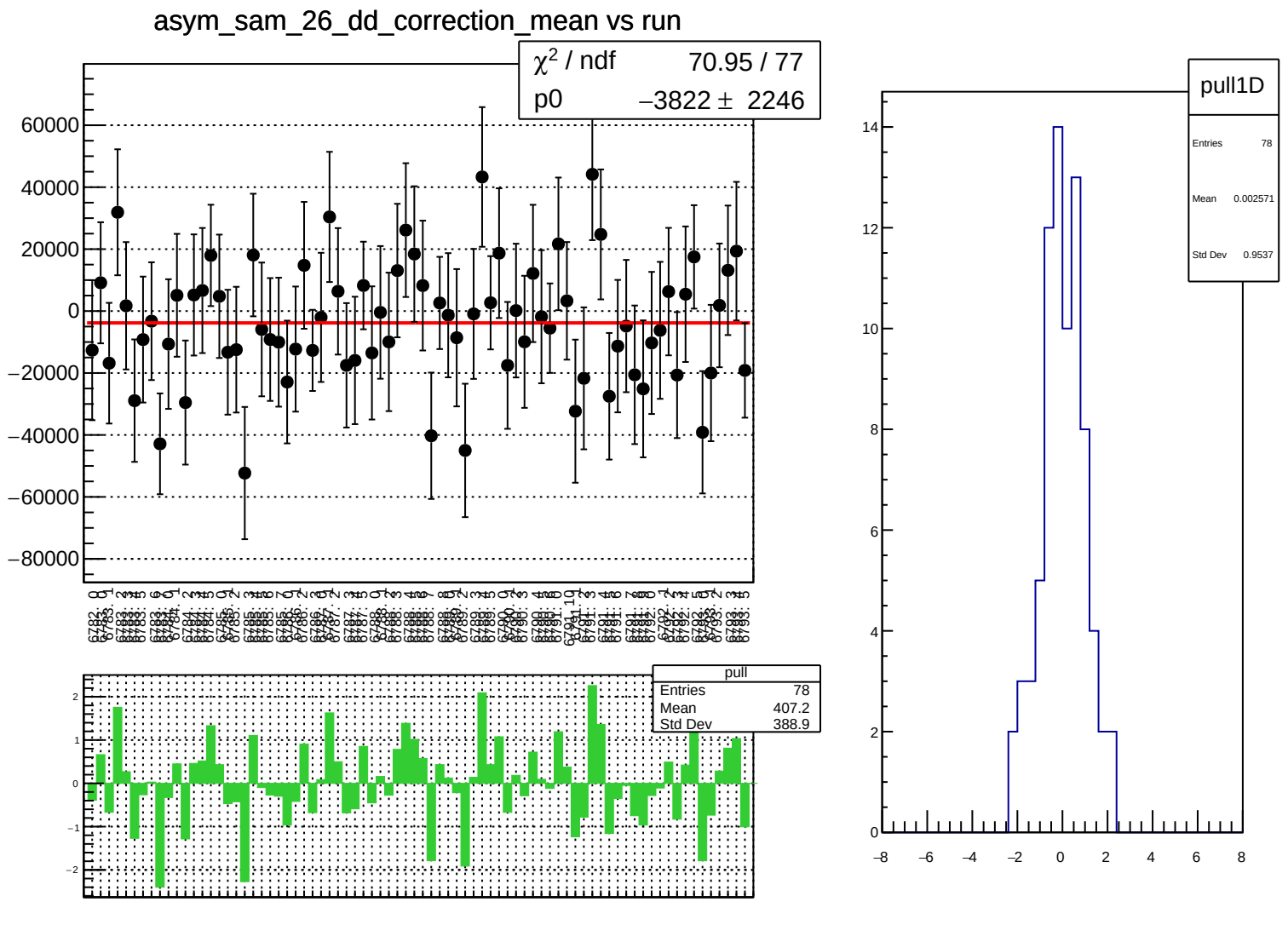

asym_sam_15_dd_rms vs run
χ^2 / ndf 2.755e+04 / 77
p0 888.8 ± 0.7163
1200
1100
1000
900
800
700
600

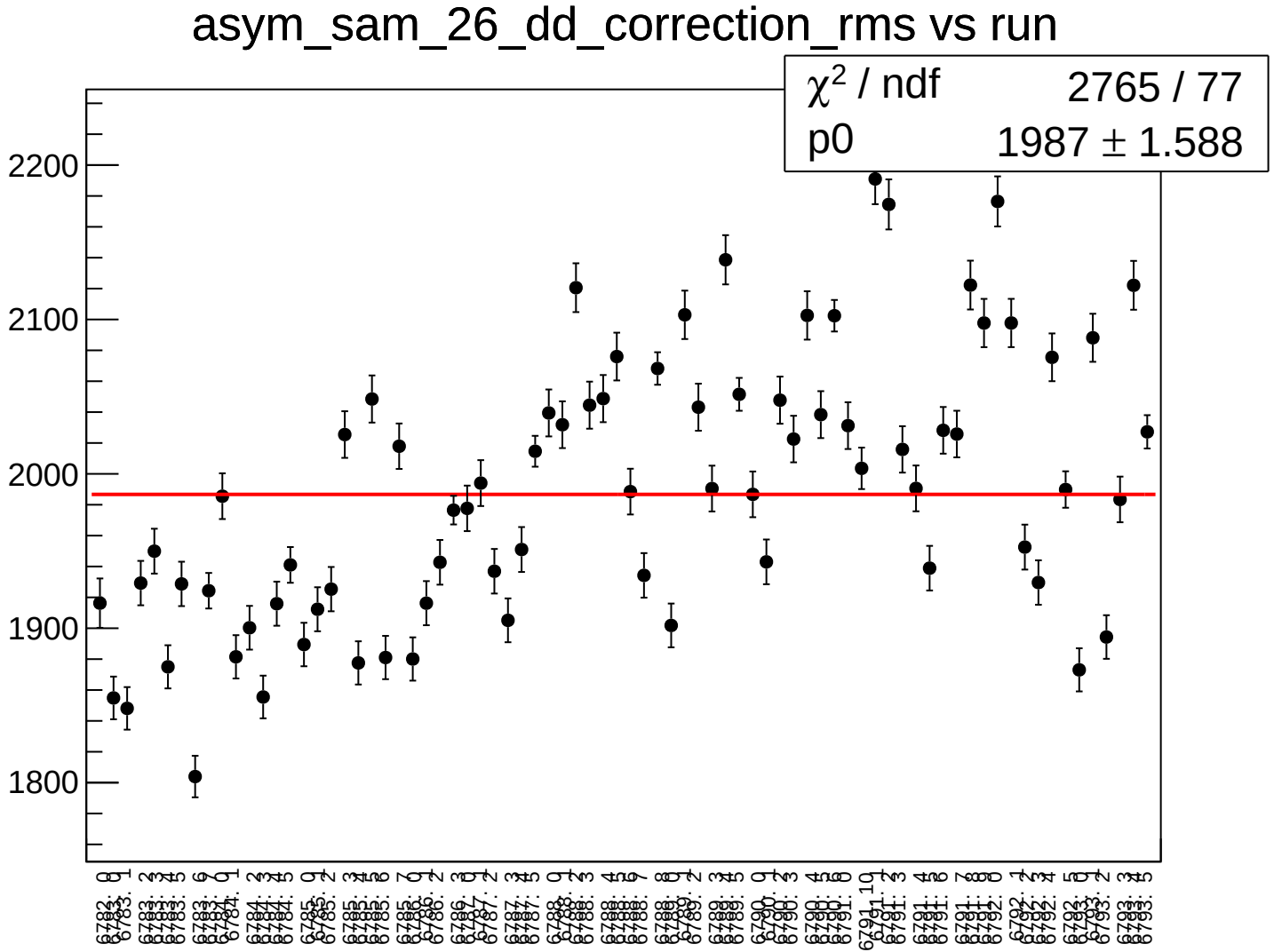

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 72.43 / 77
p0 85.42 ± 288.5
pull
Entries 78
Mean 35.03
Std Dev 49.23

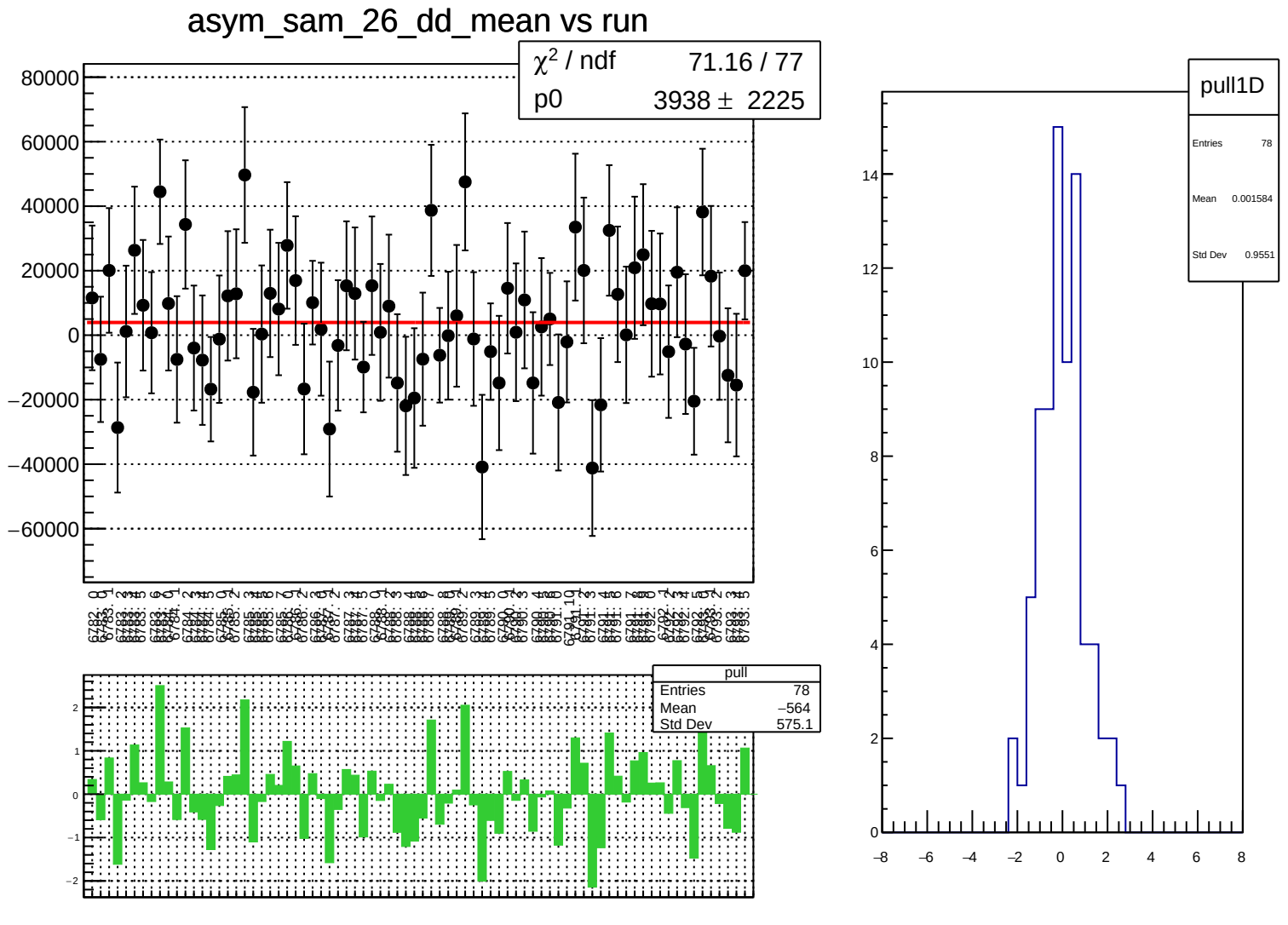

pull1D
Entries 78
Mean 0.03828
Std Dev 0.9628

dit_asym_sam_26_dd_rms vs run

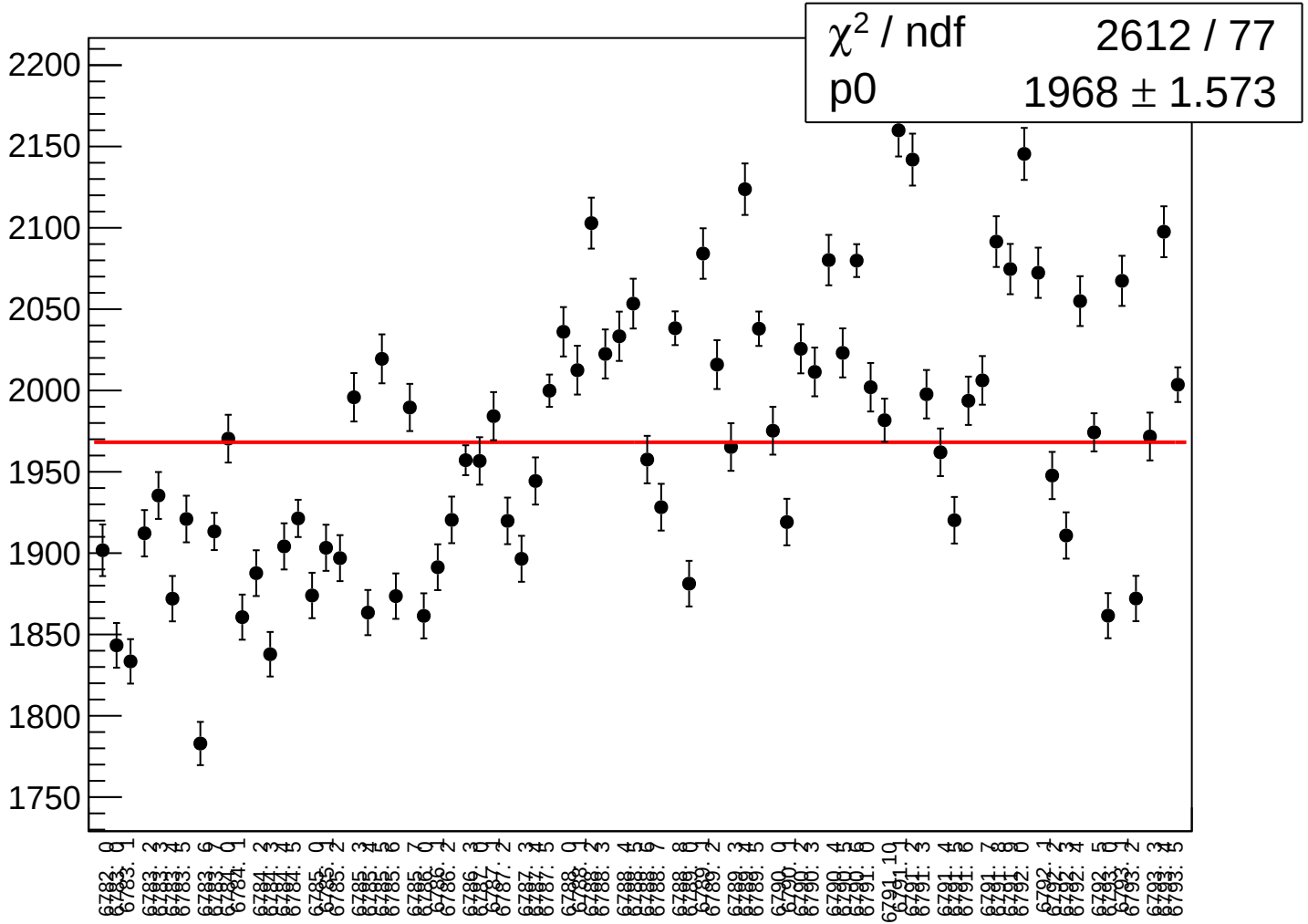


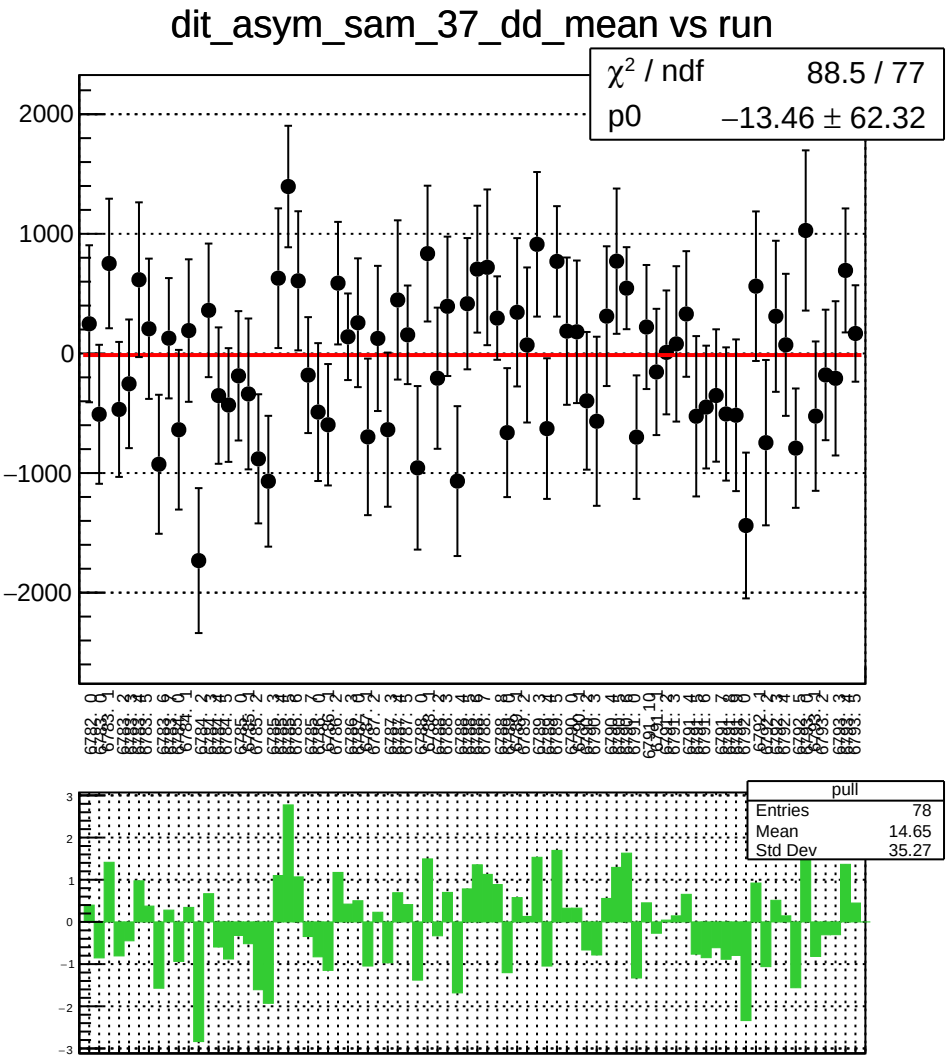

asym_sam_26_dd_correction_mean vs run
χ² / ndf 70.95 / 77
p0 −3822 ± 2246
pull
Entries 78
Mean 407.2
Std Dev 388.9
pull1D
Entries 78
Mean 0.002571
Std Dev 0.9537

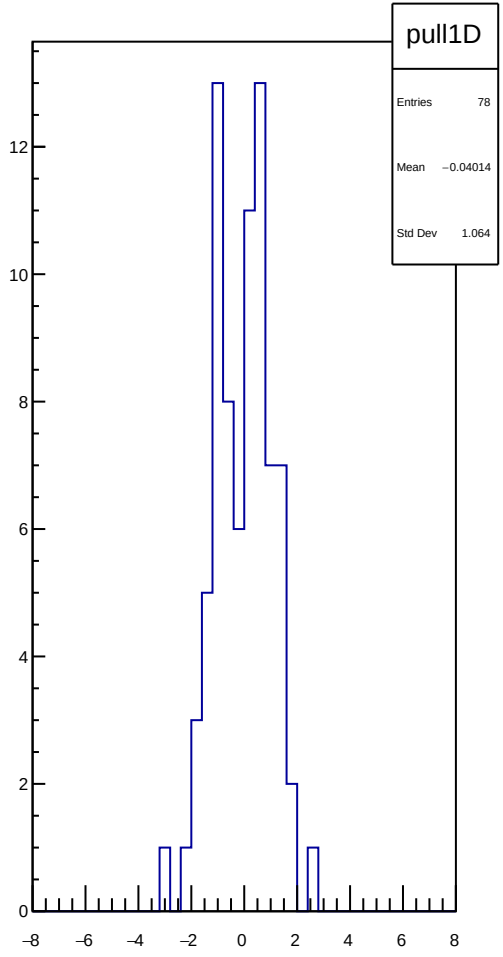

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 2765 / 77
p0 1987 ± 1.588
2200
2100
2000
1900
1800


asym_sam_26_dd_mean vs run
χ² / ndf 71.16 / 77
p0 3938 ± 2225
pull
Entries 78
Mean −564
Std Dev 575.1
pull1D
Entries 78
Mean 0.001584
Std Dev 0.9551

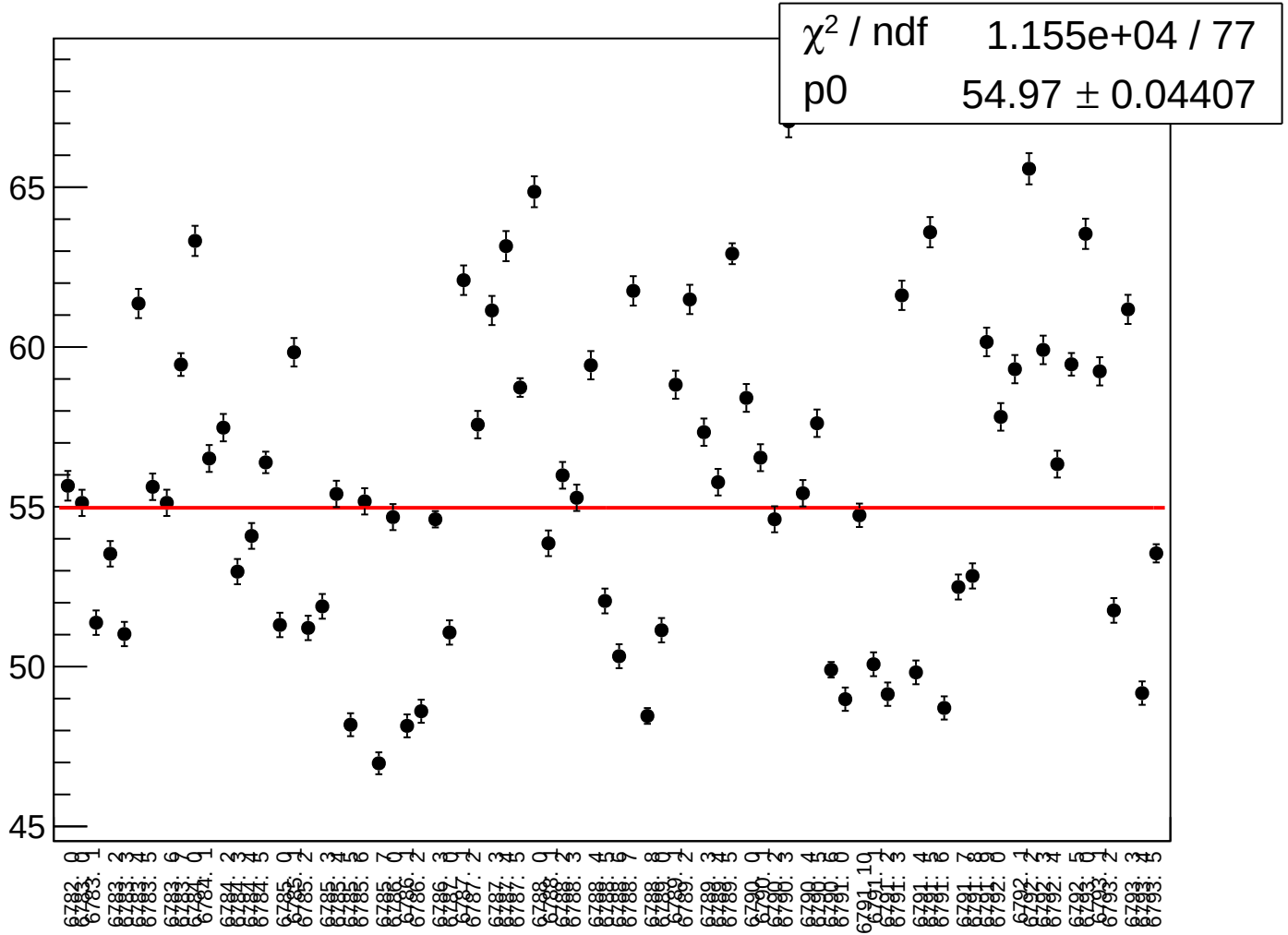
asym_sam_26_dd_rms vs run

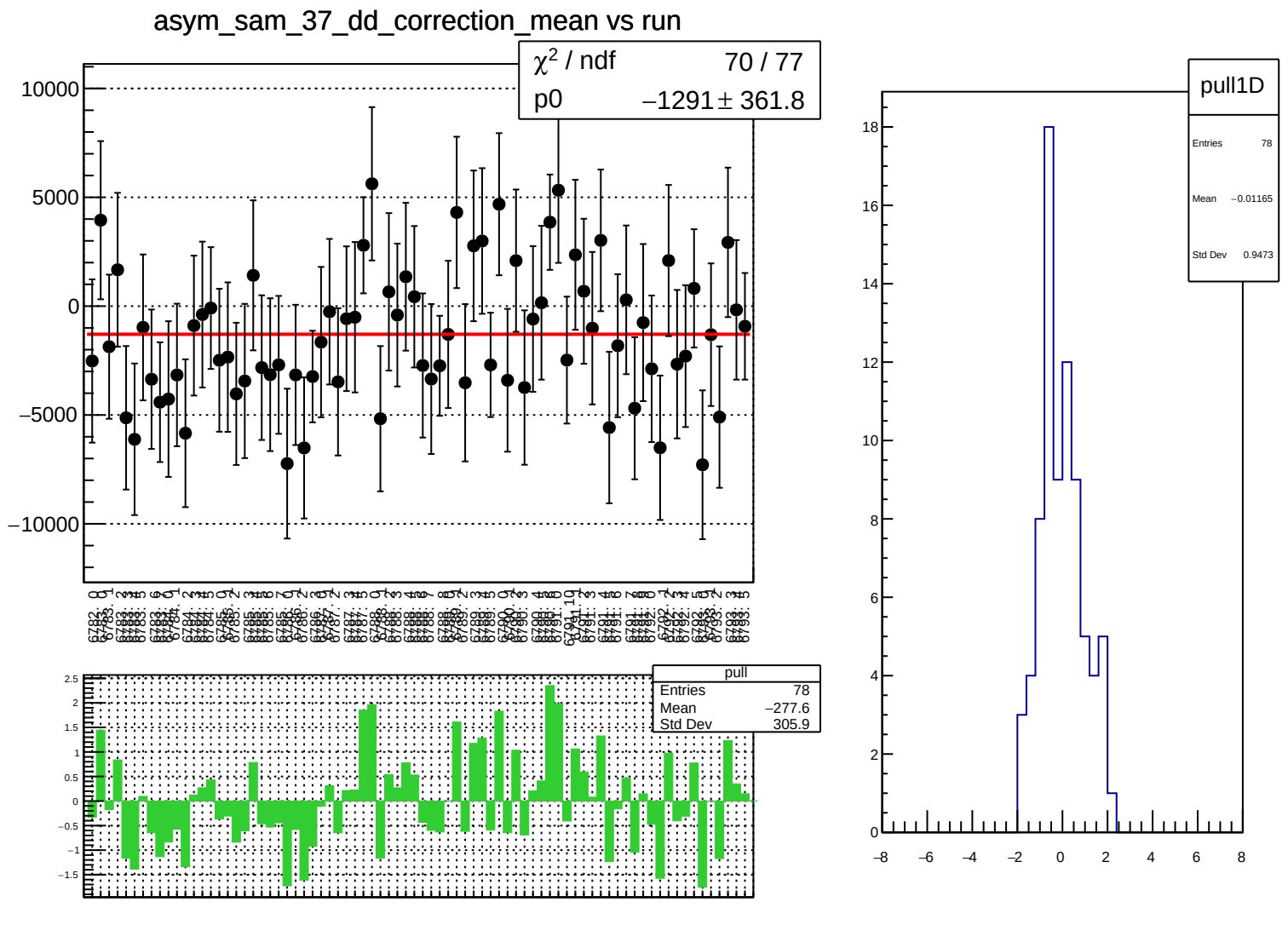



dit_asym_sam_37_dd_mean vs run
χ² / ndf 88.5 / 77
p0 −13.46 ± 62.32
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 14.65
Std Dev 35.27
3
2
1
0
−1
−2
−3

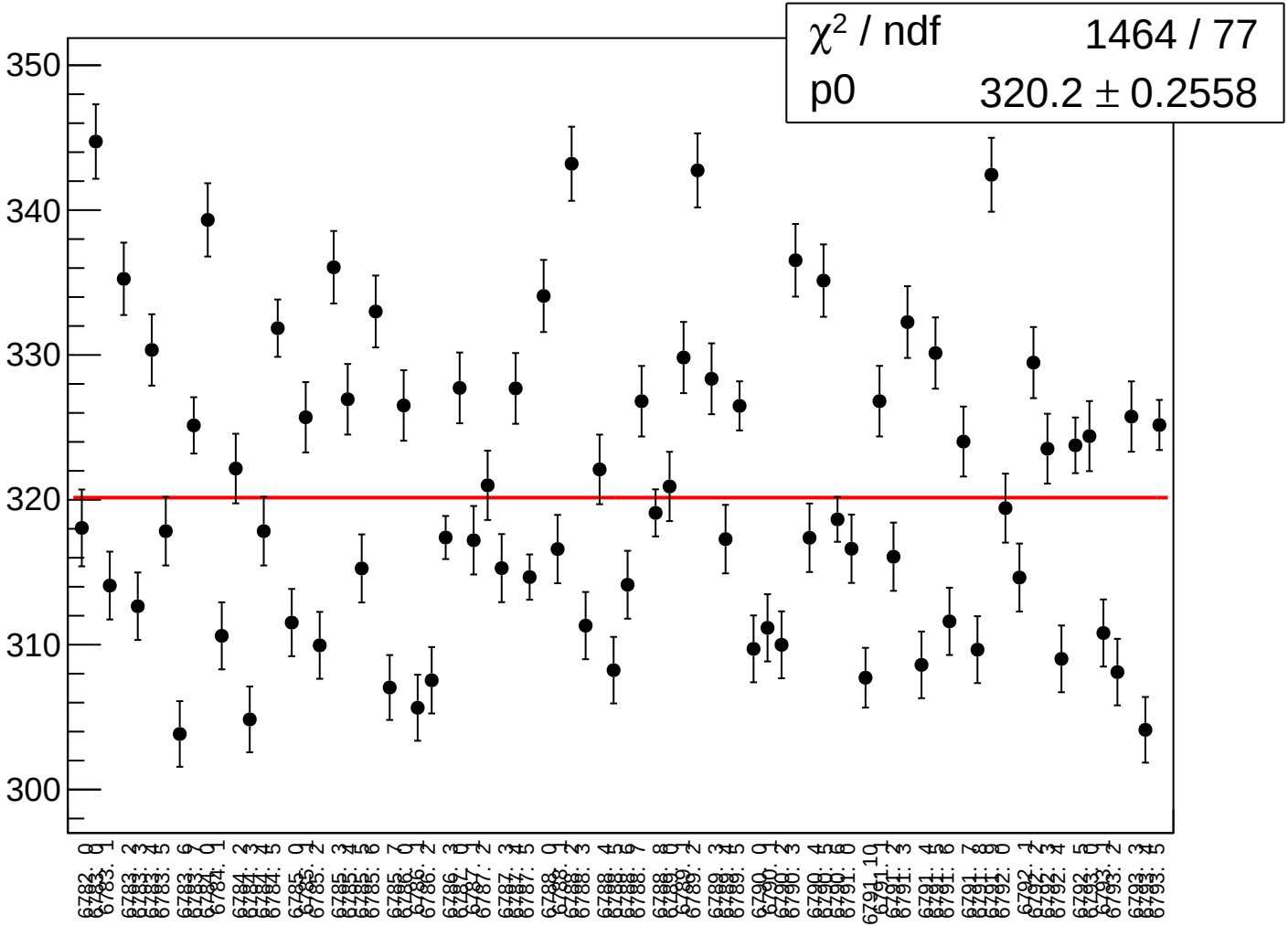

pull1D
Entries 78
Mean −0.04014
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

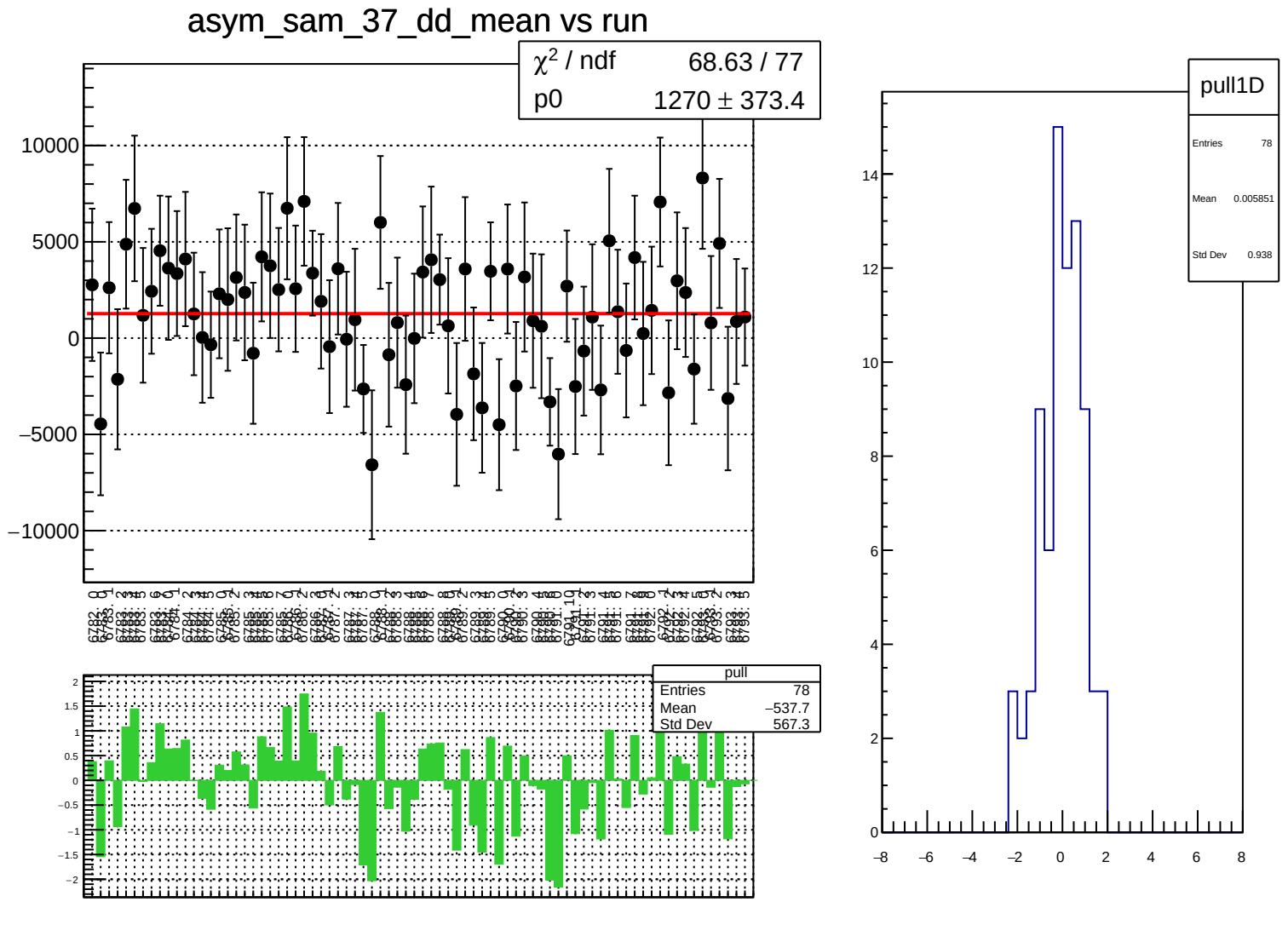
dit_asym_sam_37_dd_rms vs run

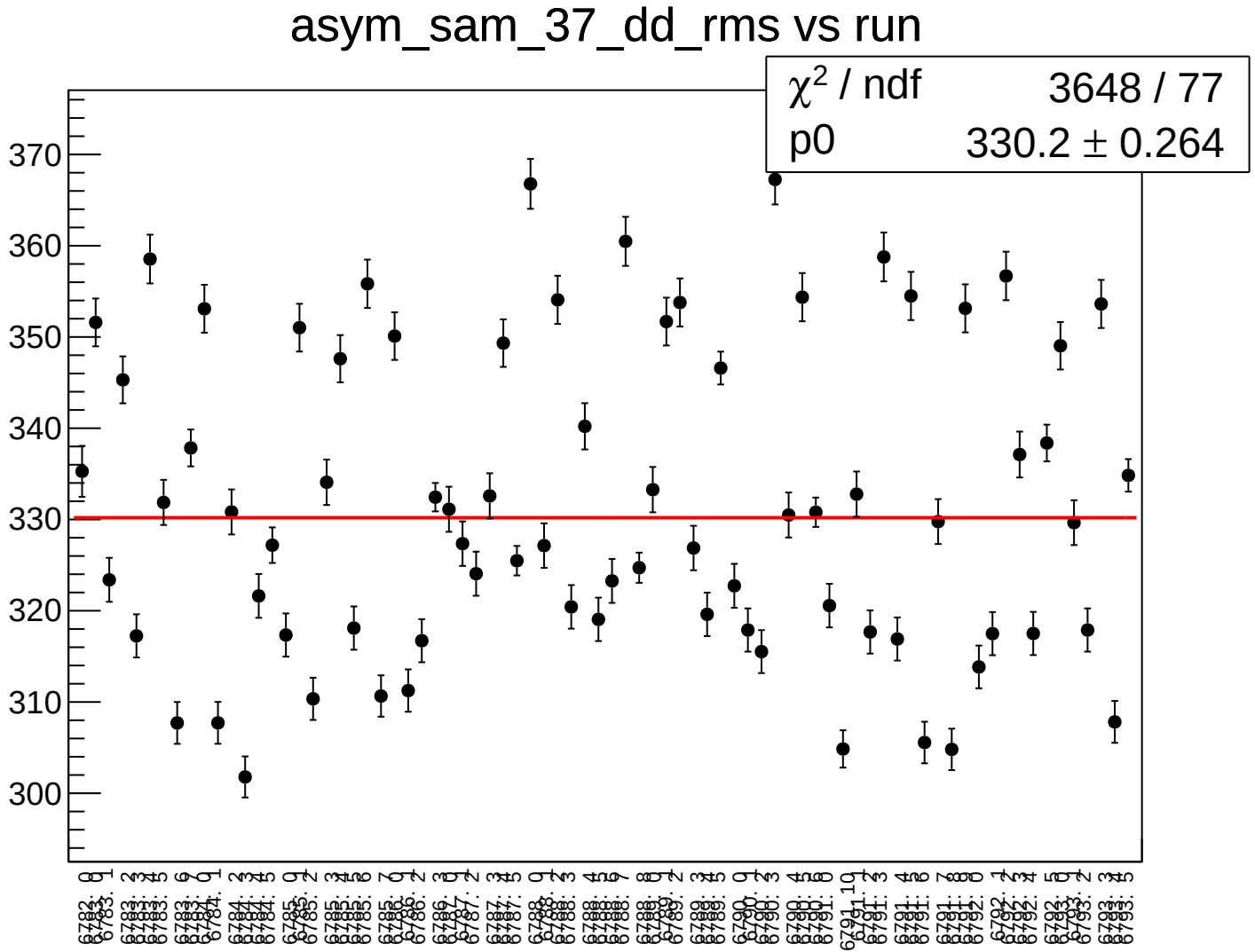


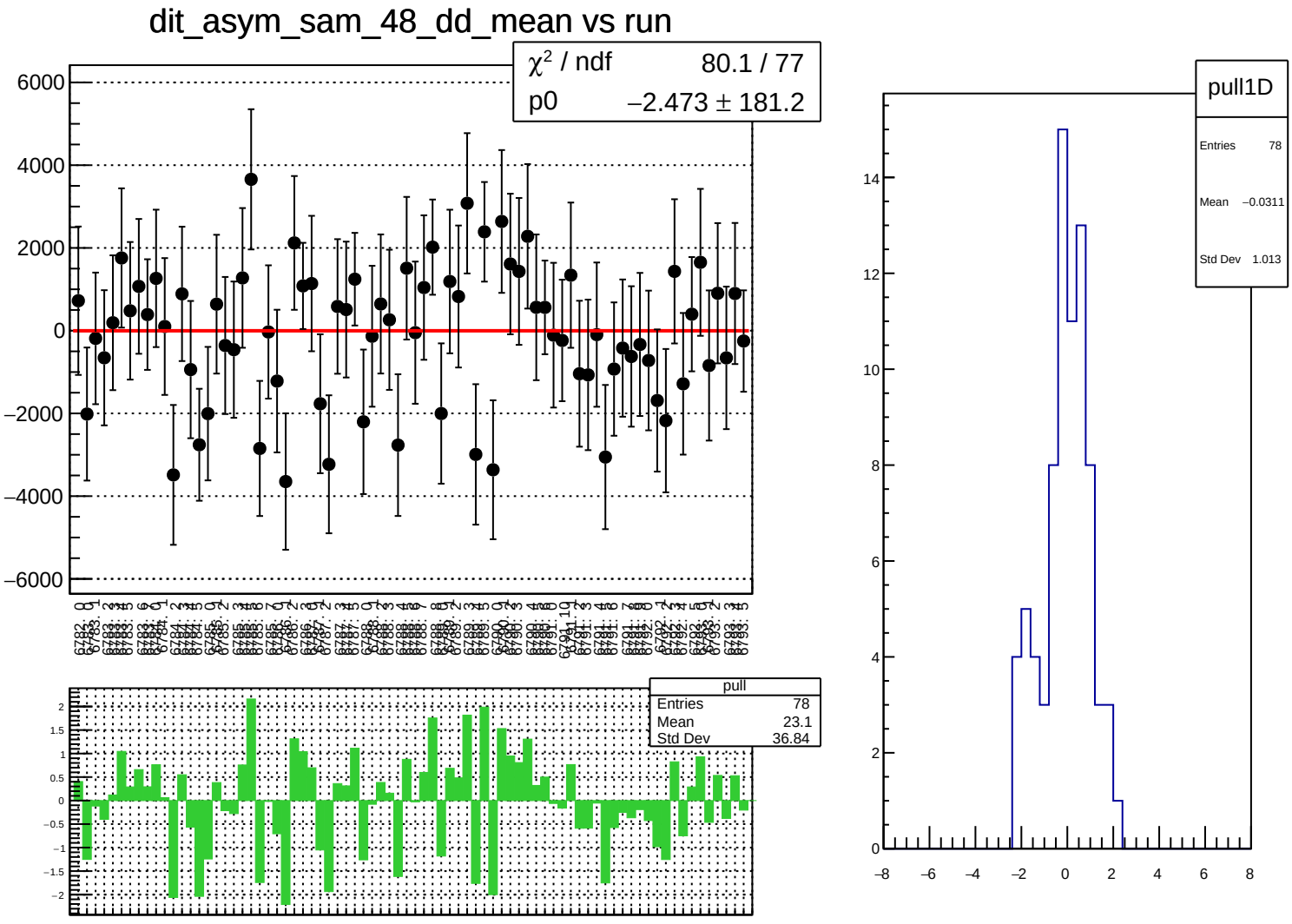

asym_sam_37_dd_correction_mean vs run
χ² / ndf 70 / 77
p0 −1291 ± 361.8
pull
Entries 78
Mean −277.6
Std Dev 305.9
pull1D
Entries 78
Mean −0.01165
Std Dev 0.9473

asym_sam_37_dd_correction_rms vs run

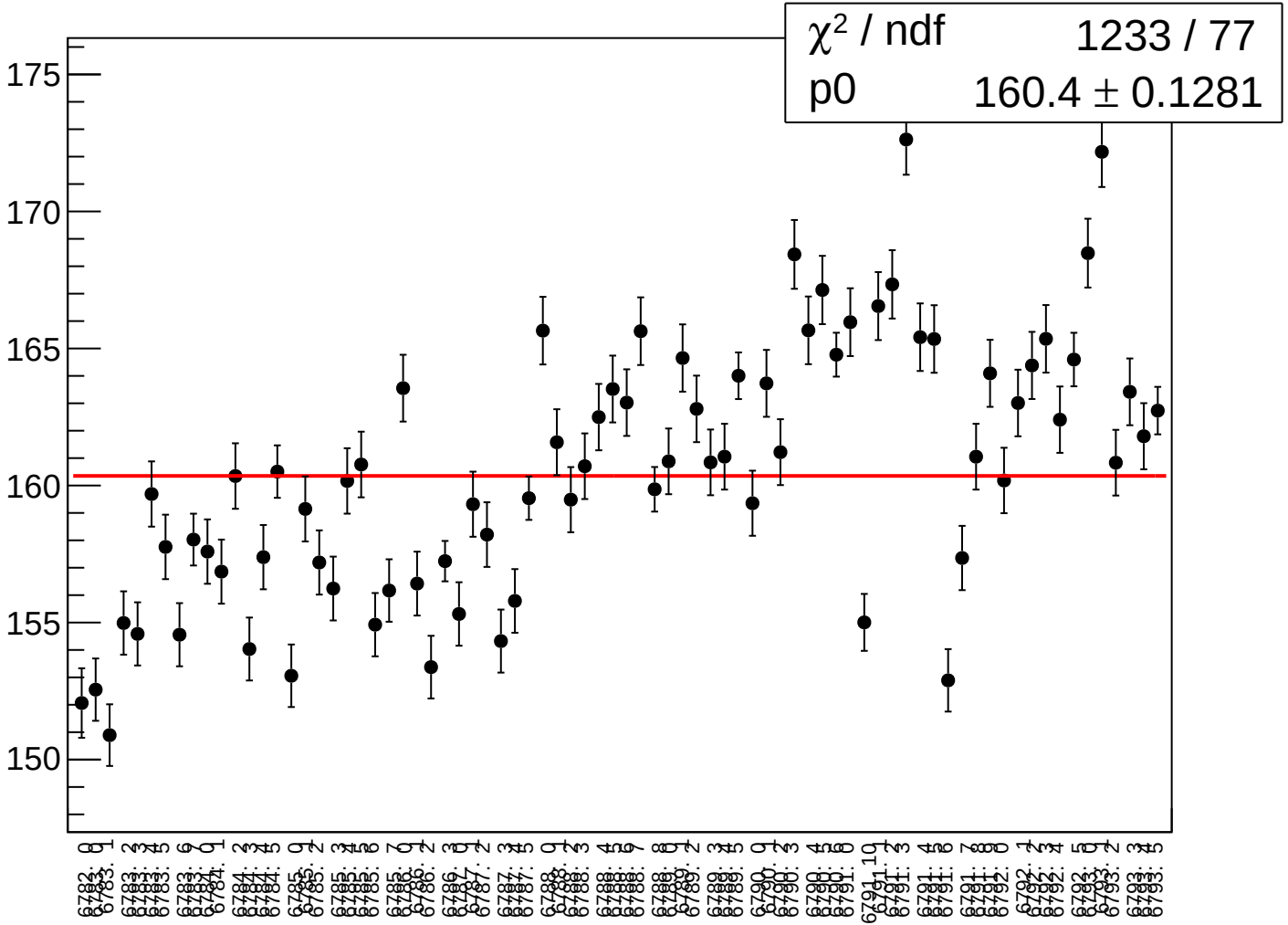


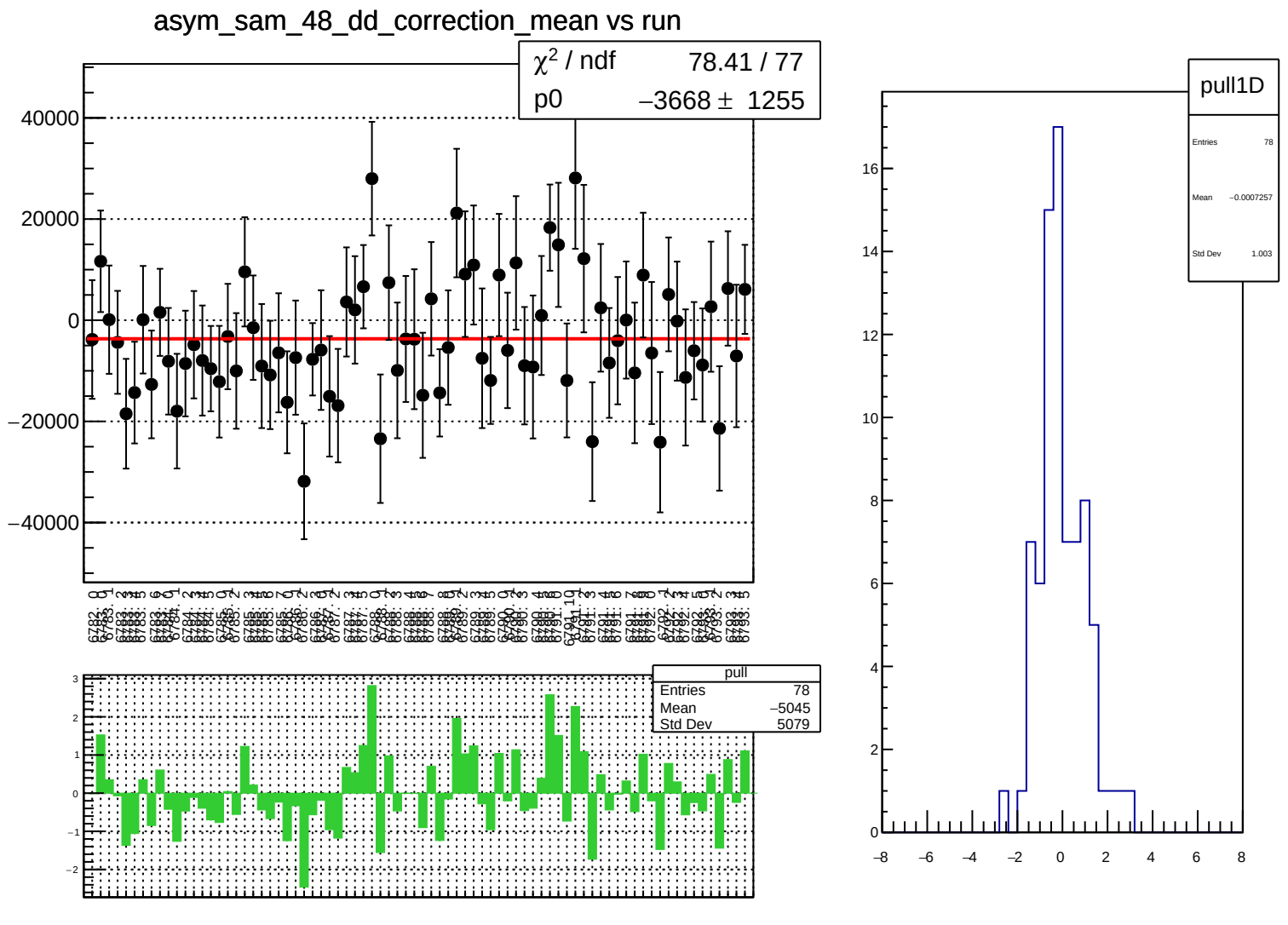

asym_sam_37_dd_mean vs run
χ² / ndf 68.63 / 77
p0 1270 ± 373.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −537.7
Std Dev 567.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.005851
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_rms vs run
χ^2 / ndf 3648 / 77
p0 330.2 ± 0.264
370
360
350
340
330
320
310
300

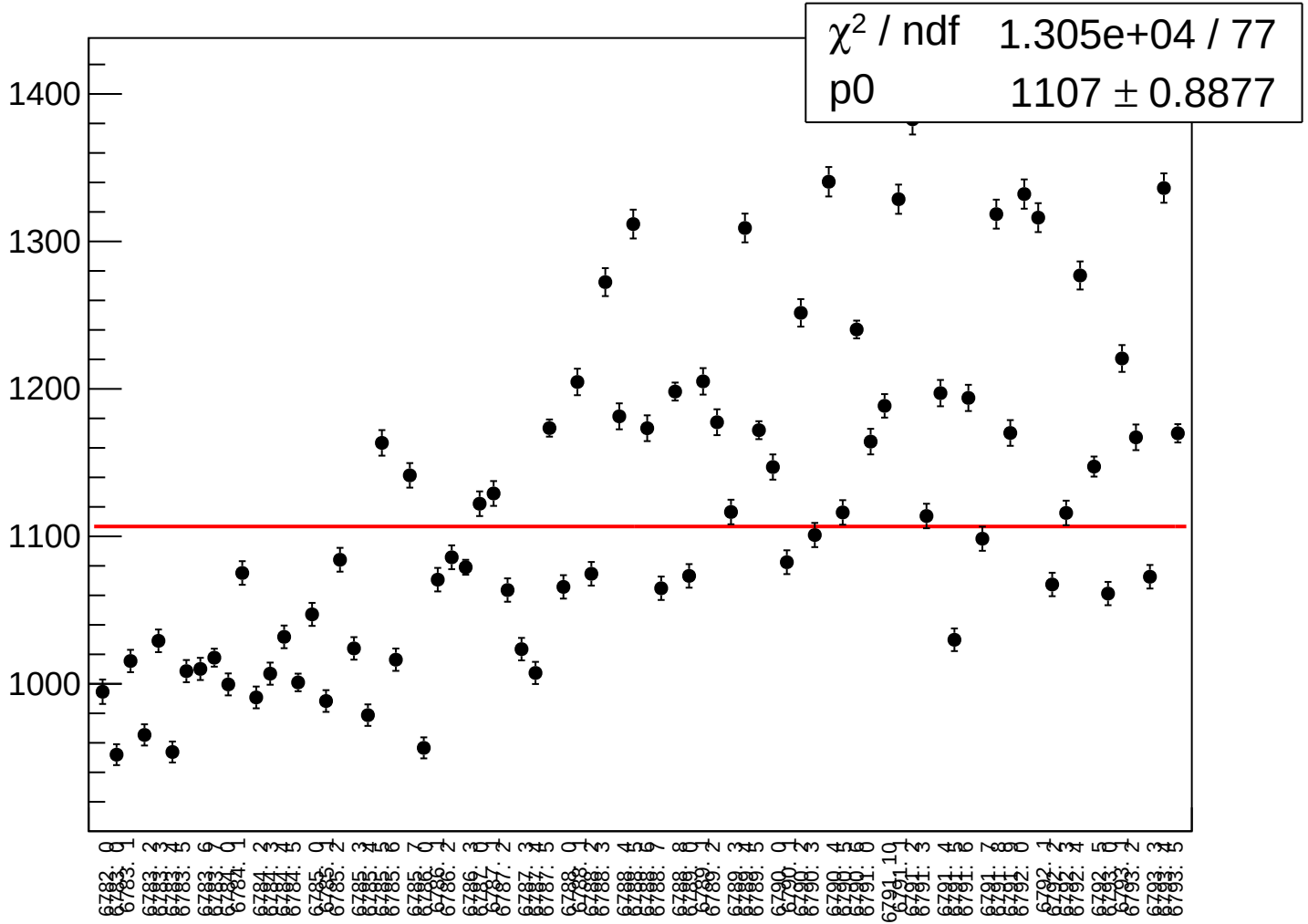

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.1 / 77
p0 −2.473 ± 181.2
pull
Entries 78
Mean 23.1
Std Dev 36.84
pull1D
Entries 78
Mean −0.0311
Std Dev 1.013

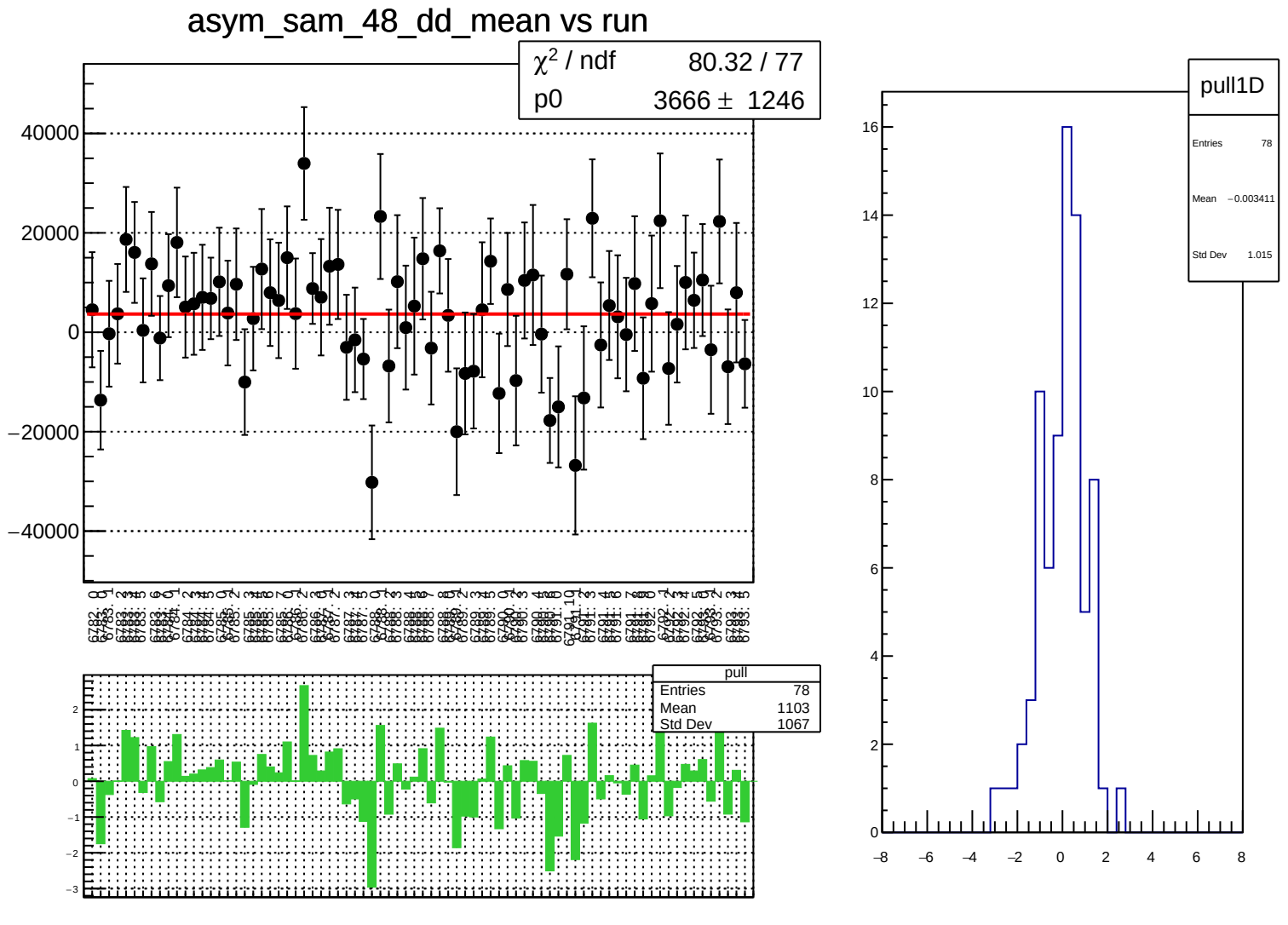
dit_asym_sam_48_dd_rms vs run

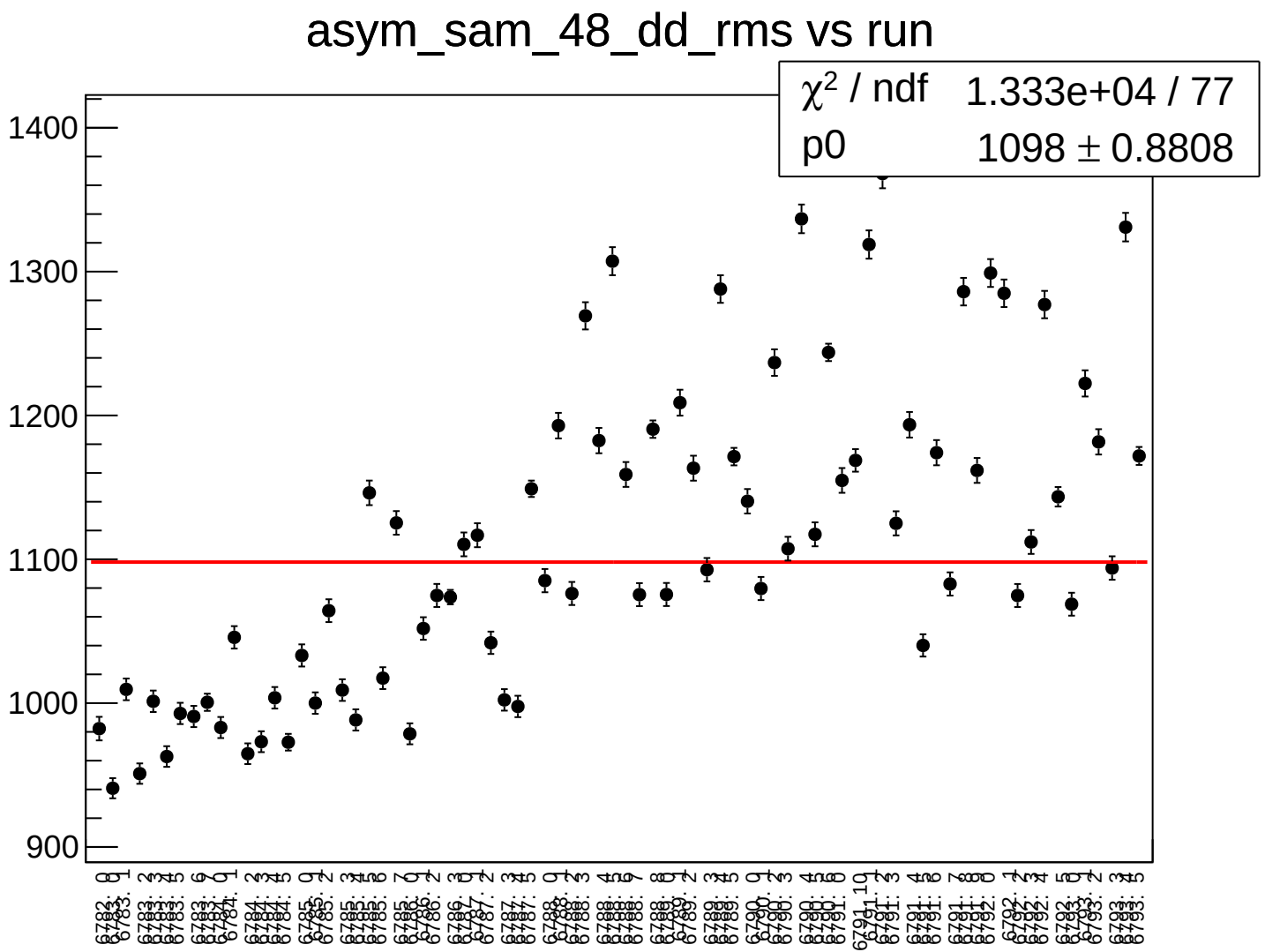


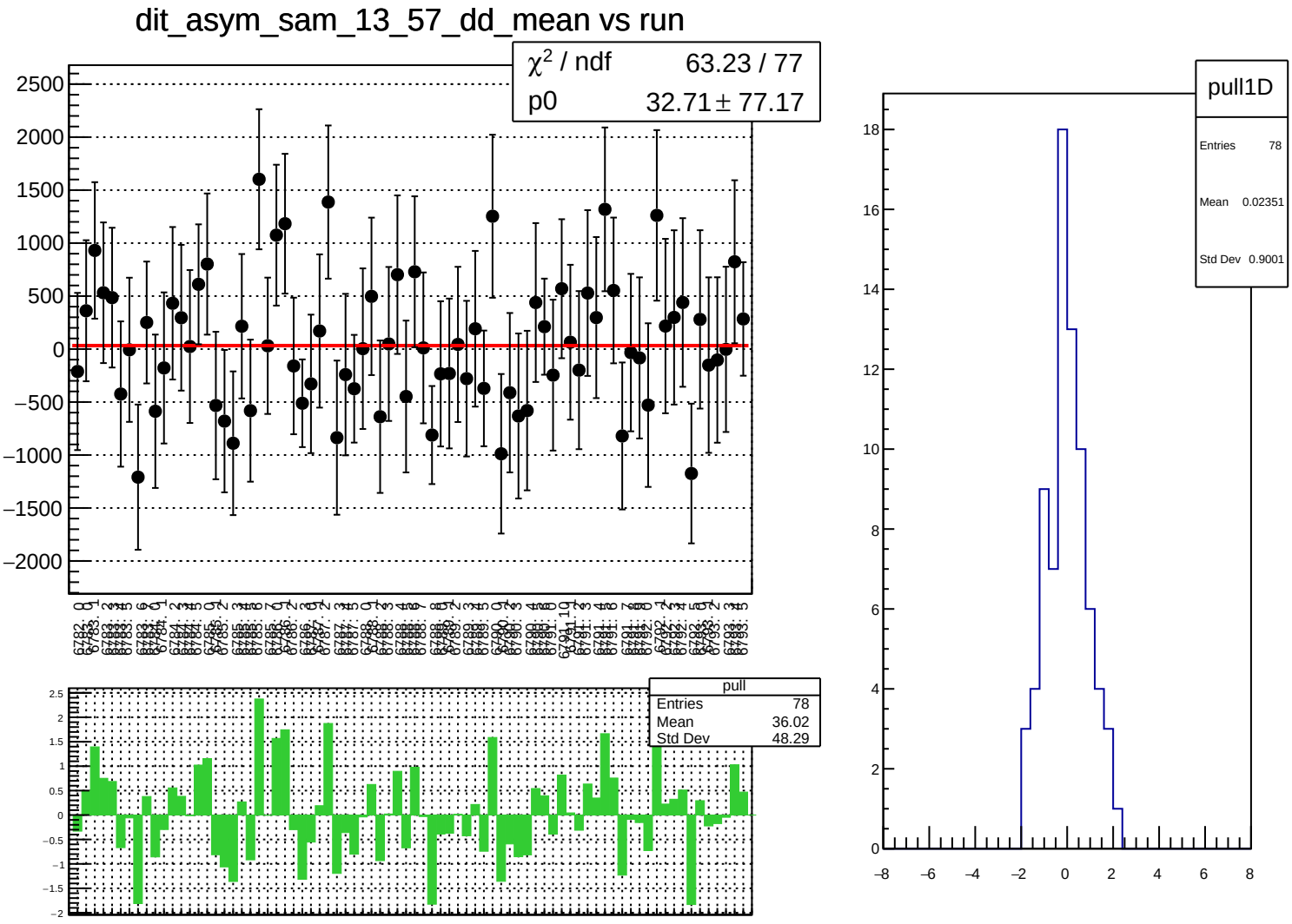

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 78.41 / 77
p0 −3668 ± 1255
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −5045
Std Dev 5079
3
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.0007257
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_dd_correction_rms vs run

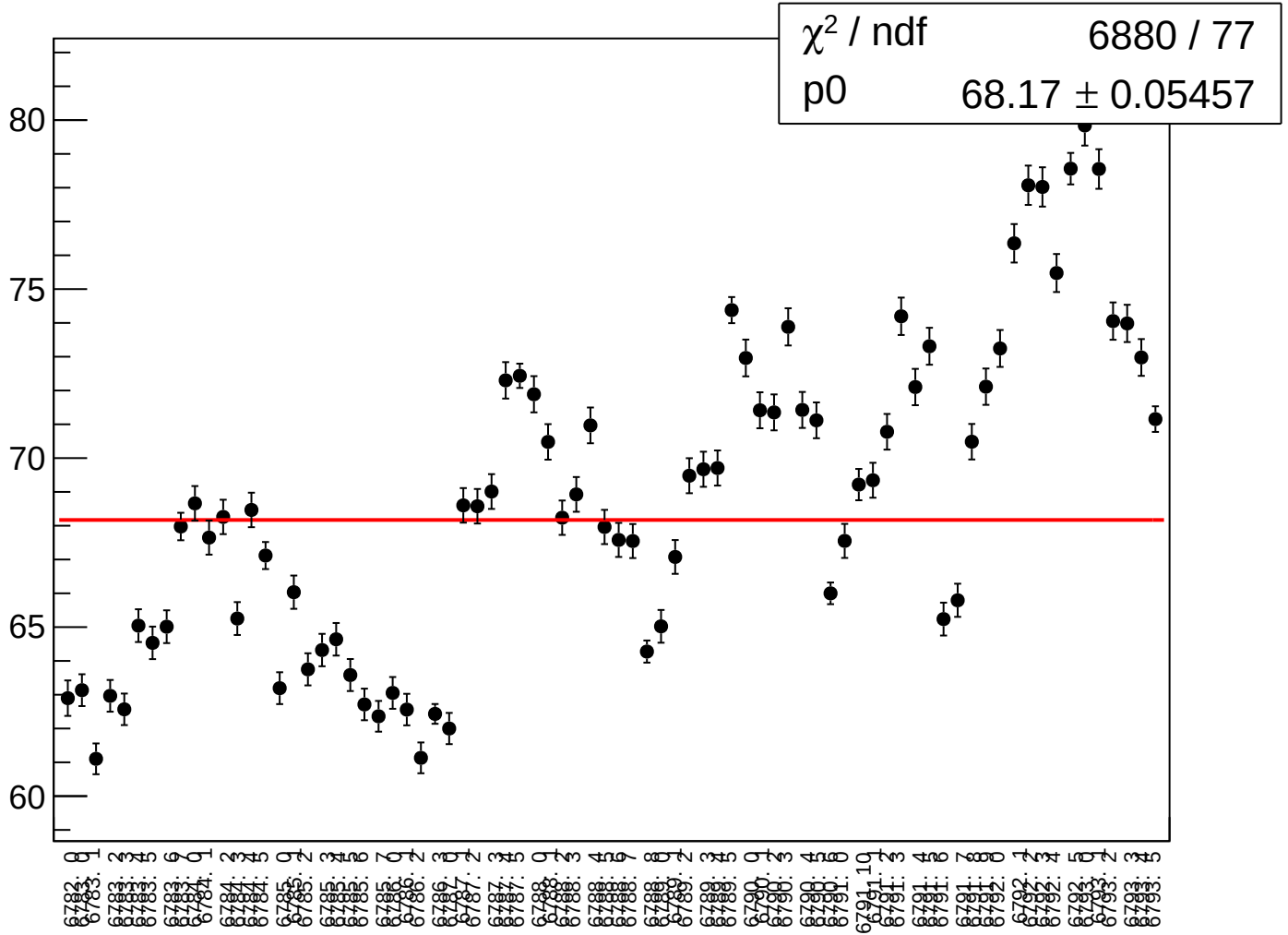


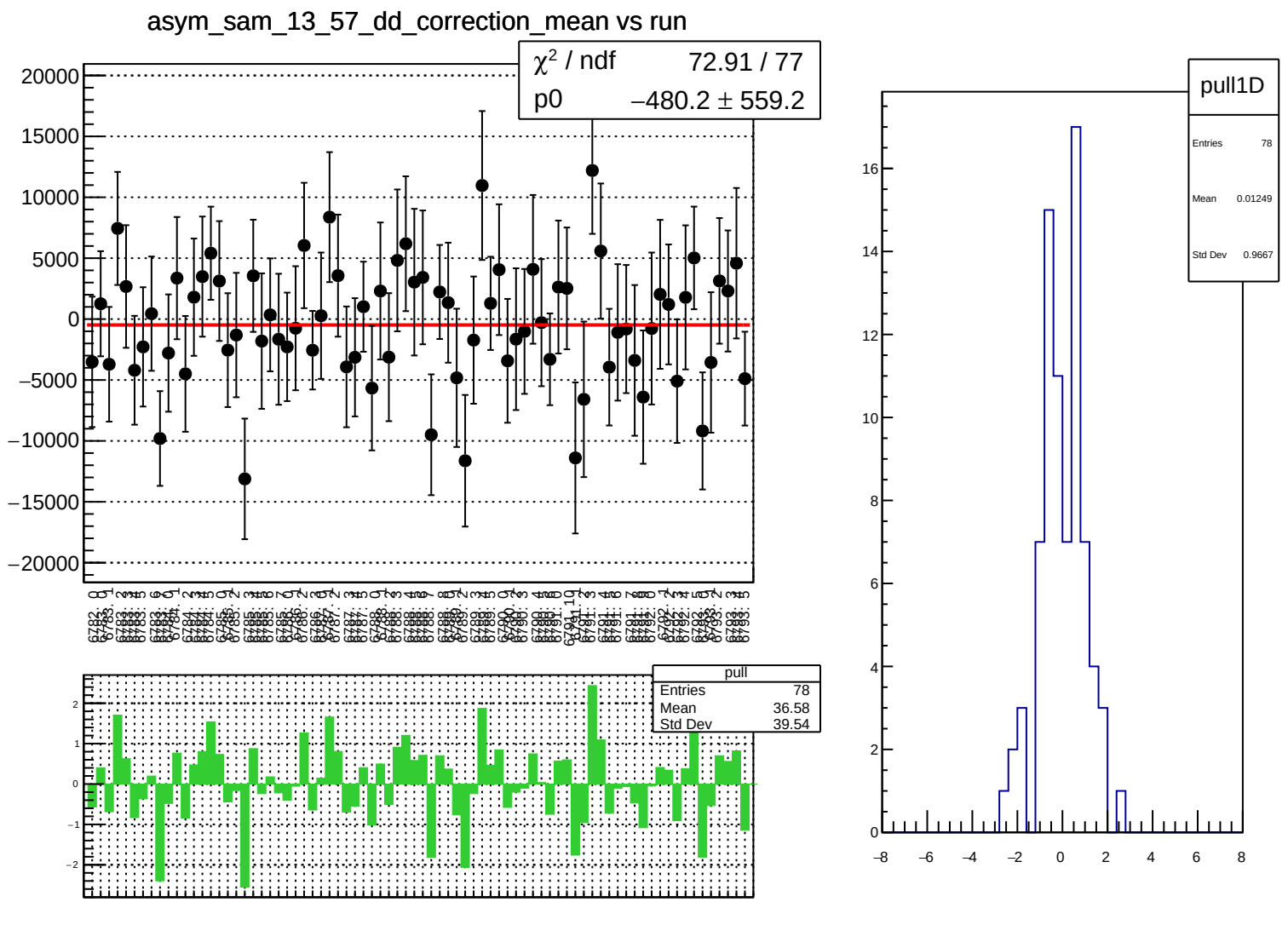

asym_sam_48_dd_mean vs run
χ² / ndf 80.32 / 77
p0 3666 ± 1246
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1103
Std Dev 1067
pull1D
Entries 78
Mean −0.003411
Std Dev 1.015

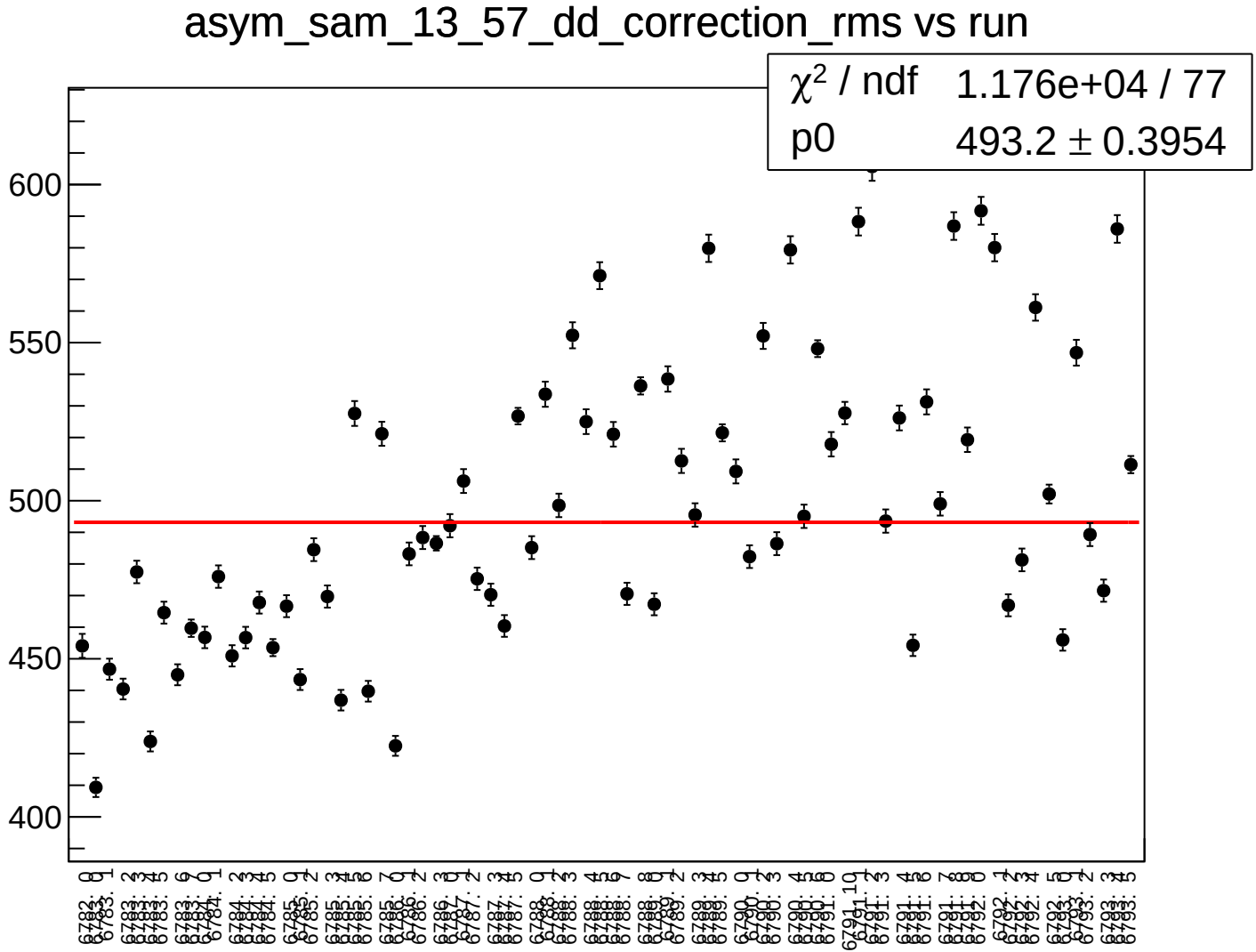

asym_sam_48_dd_rms vs run
χ² / ndf 1.333e+04 / 77
p0 1098 ± 0.8808
1400
1300
1200
1100
1000
900

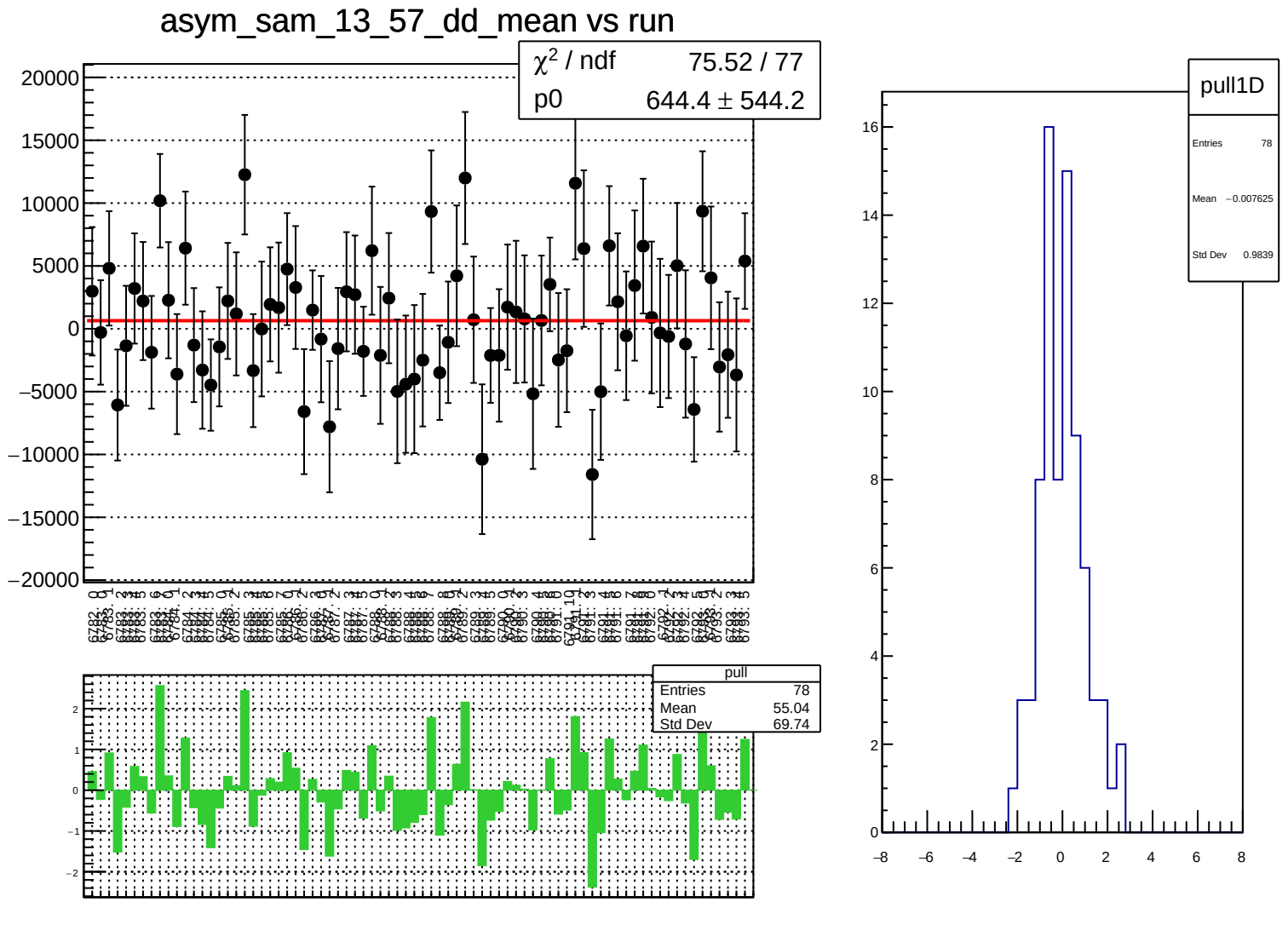

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 63.23 / 77
p0 32.71 ± 77.17
pull
Entries 78
Mean 36.02
Std Dev 48.29
pull1D
Entries 78
Mean 0.02351
Std Dev 0.9001

dit_asym_sam_13_57_dd_rms vs run

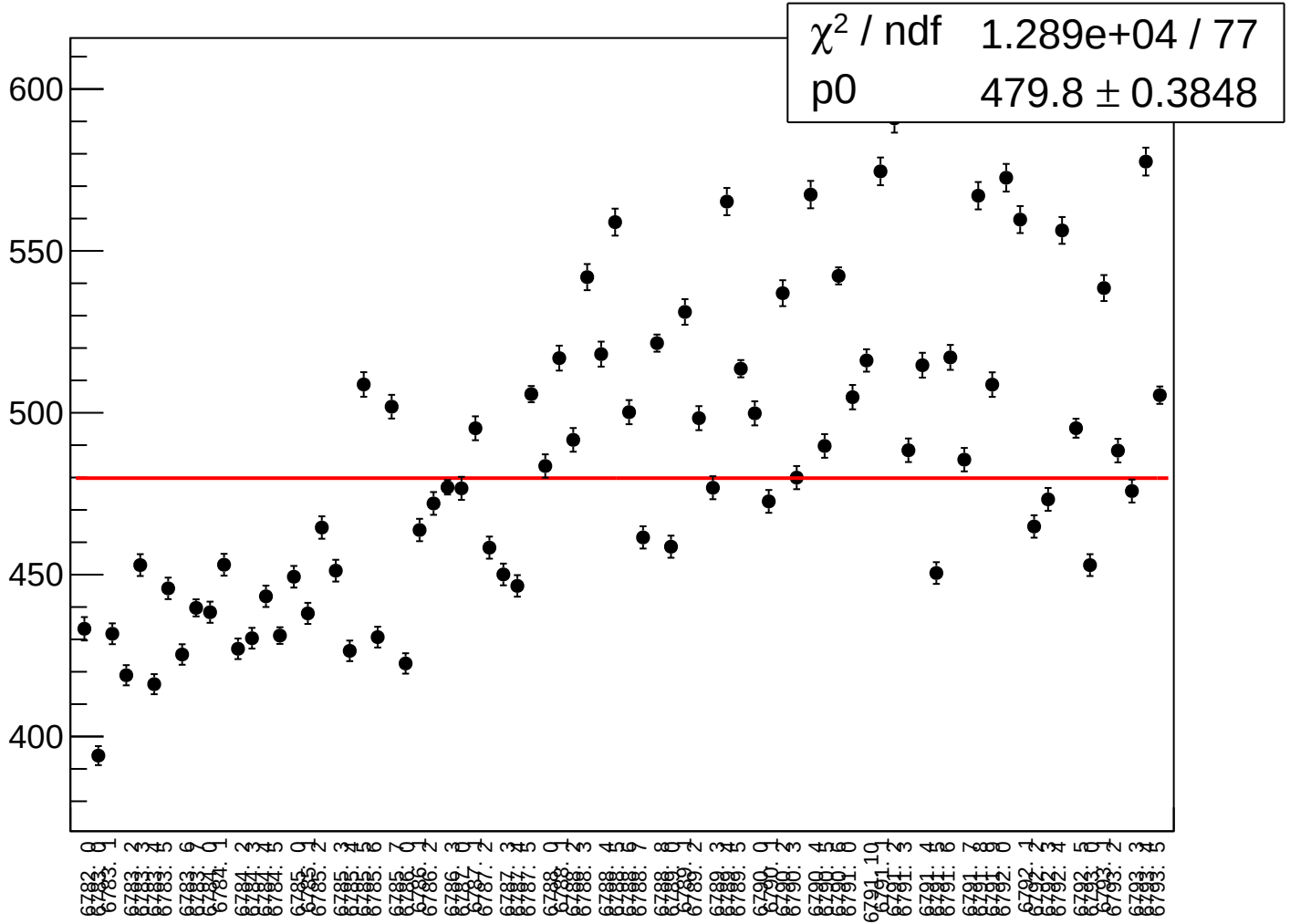


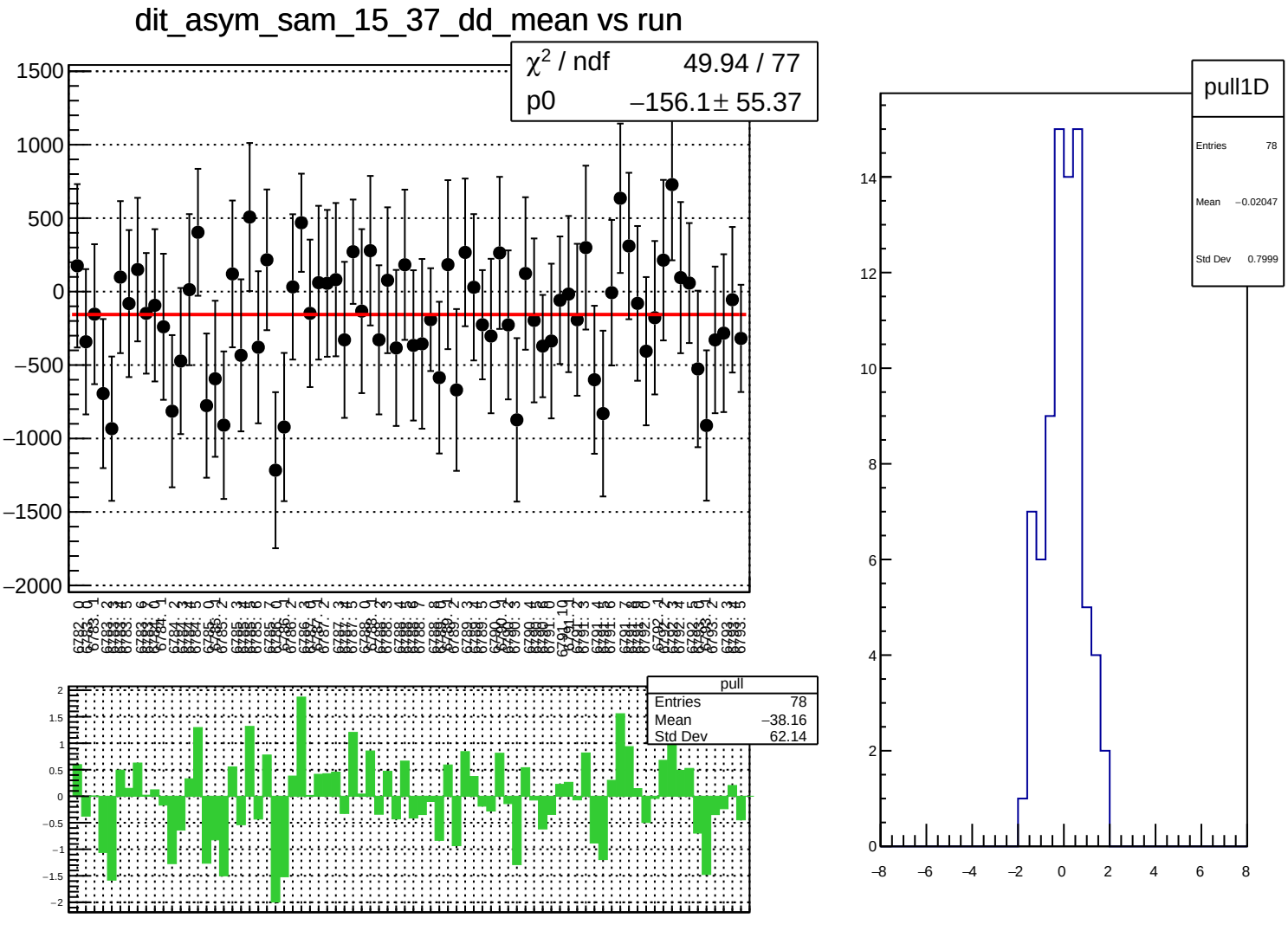

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 72.91 / 77
p0 −480.2 ± 559.2
pull
Entries 78
Mean 36.58
Std Dev 39.54
pull1D
Entries 78
Mean 0.01249
Std Dev 0.9667


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 1.176e+04 / 77
p0 493.2 ± 0.3954
600
550
500
450
400

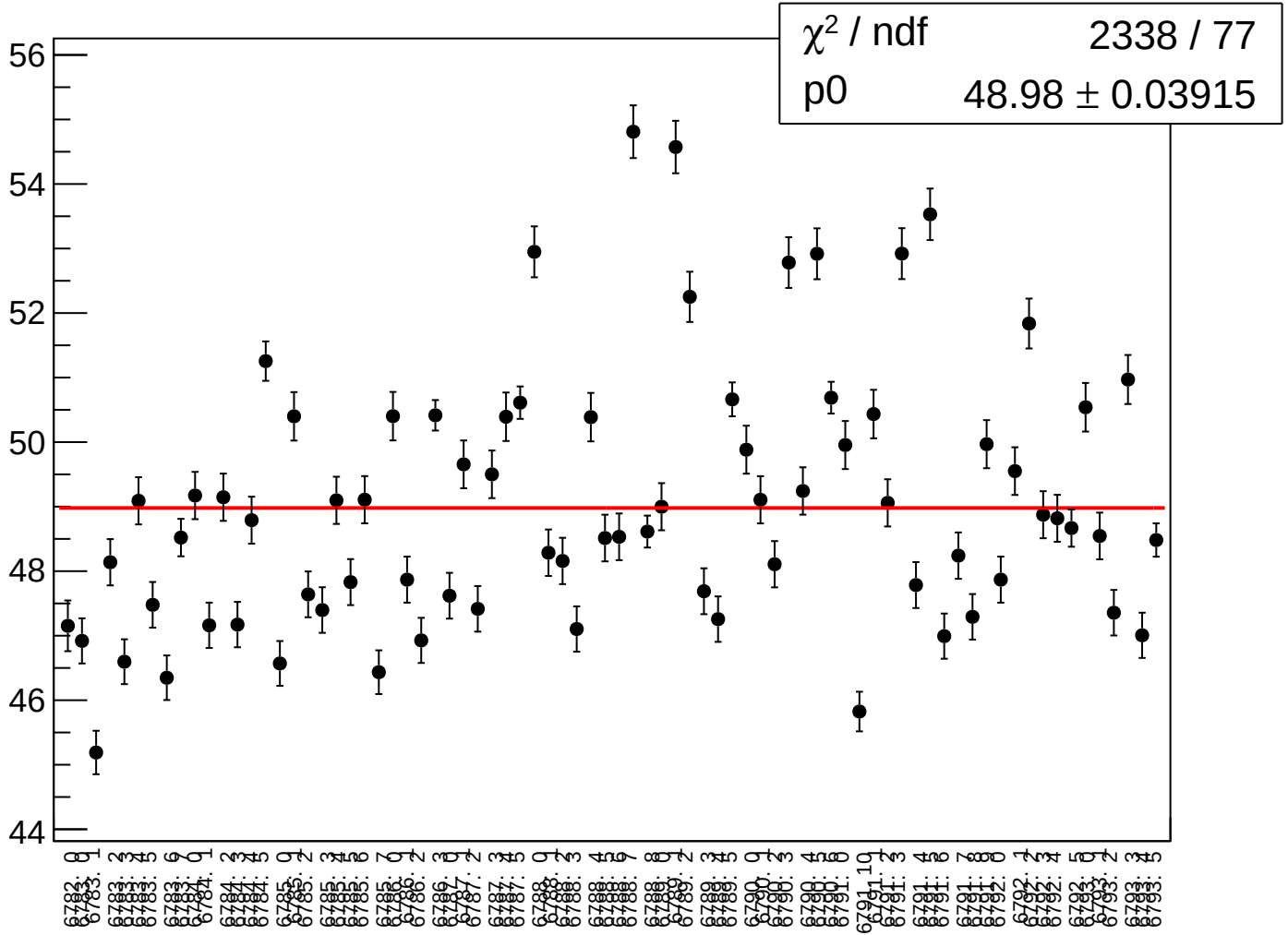

asym_sam_13_57_dd_mean vs run
χ² / ndf 75.52 / 77
p0 644.4 ± 544.2
pull
Entries 78
Mean 55.04
Std Dev 69.74
pull1D
Entries 78
Mean −0.007625
Std Dev 0.9839

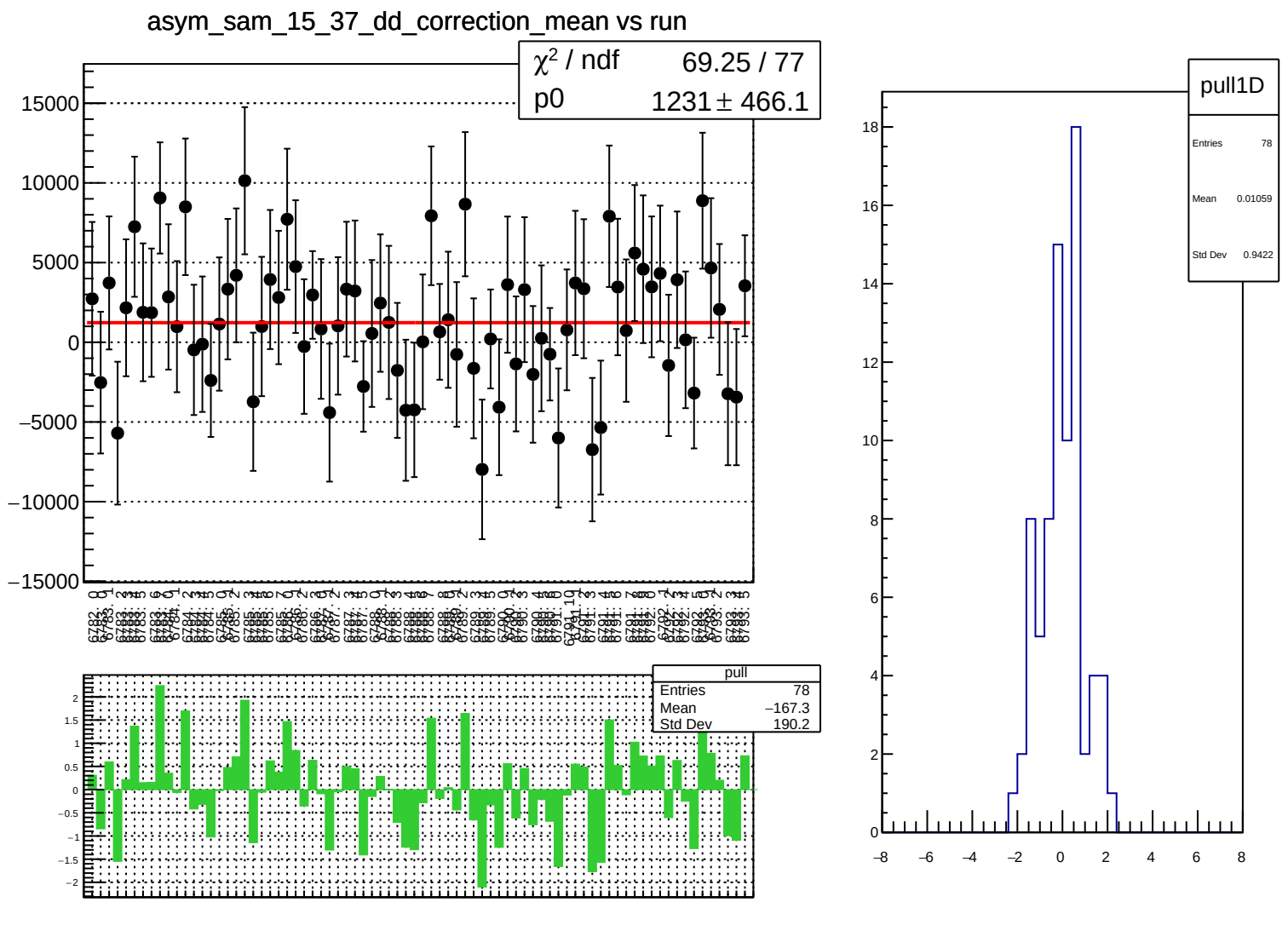
asym_sam_13_57_dd_rms vs run

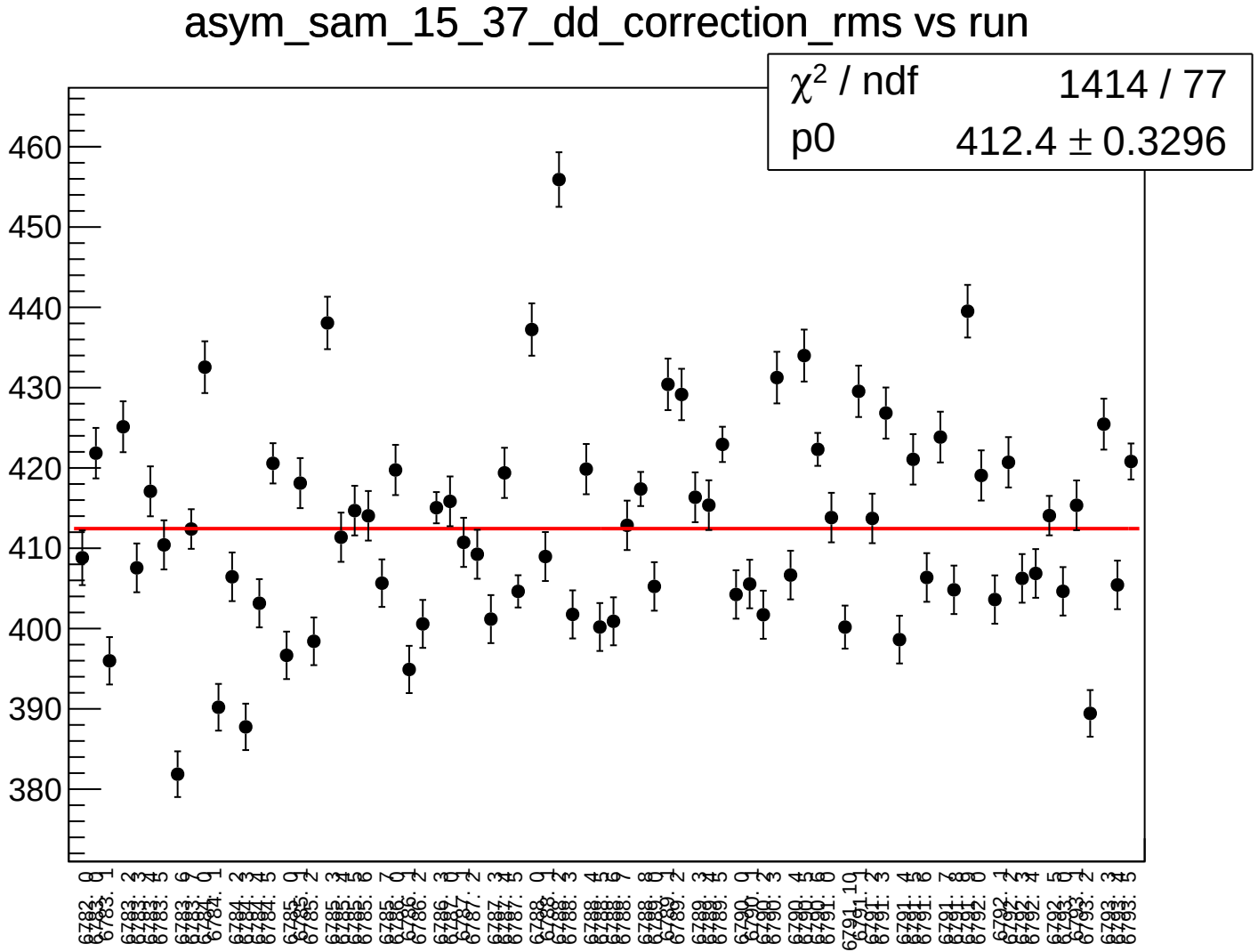


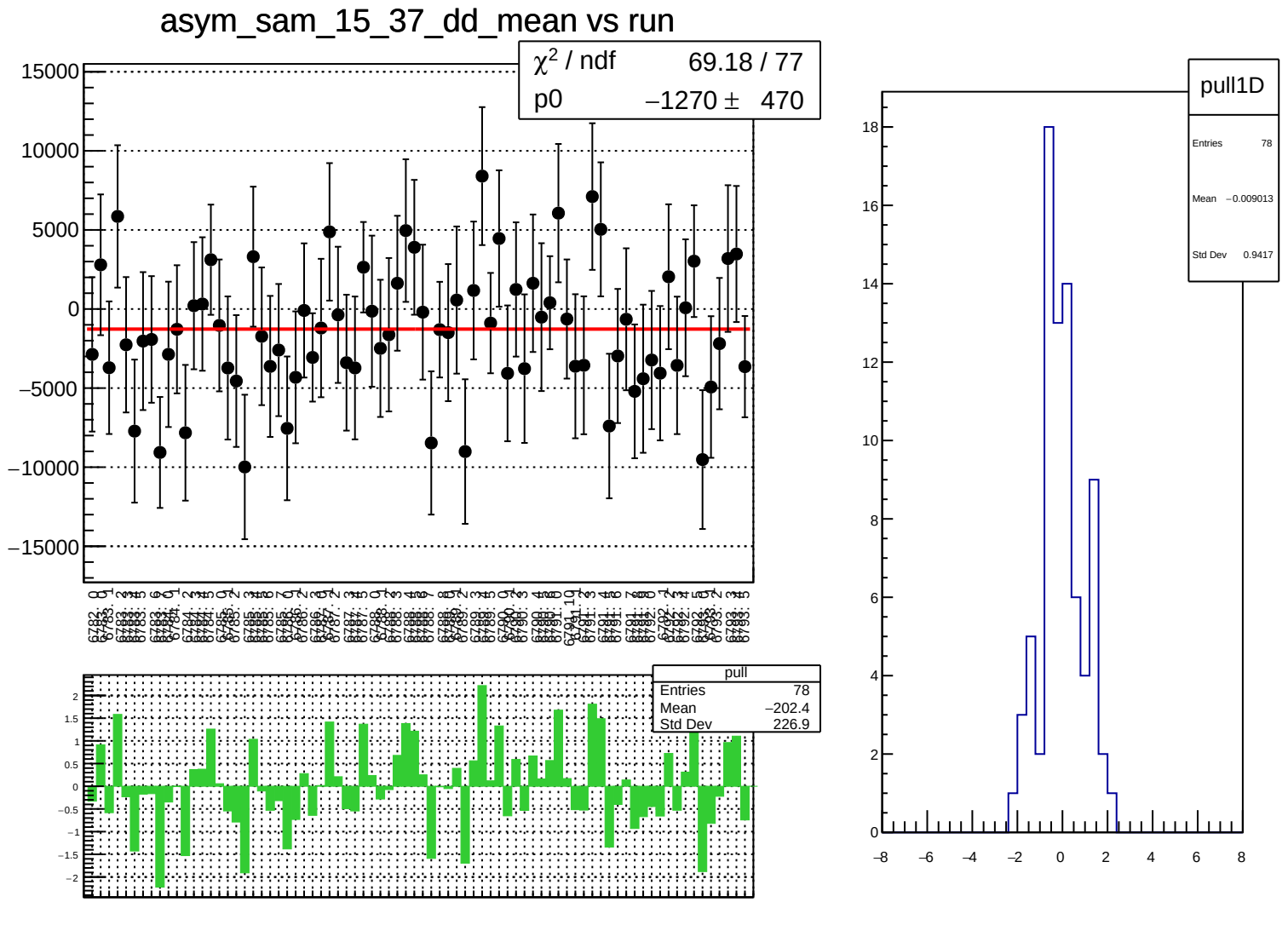

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 49.94 / 77
p0 −156.1 ± 55.37
pull
Entries 78
Mean −38.16
Std Dev 62.14
pull1D
Entries 78
Mean −0.02047
Std Dev 0.7999

dit_asym_sam_15_37_dd_rms vs run

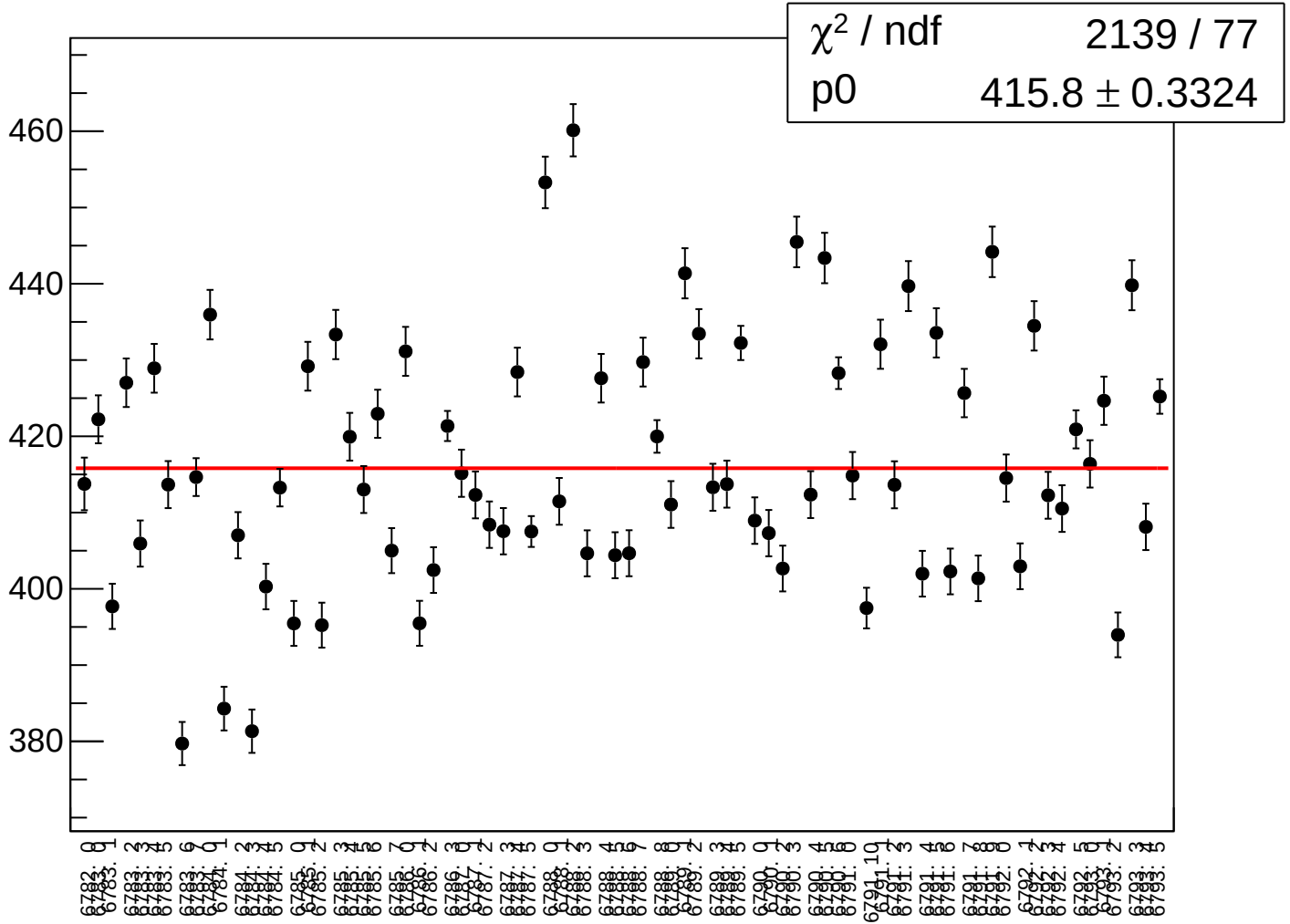


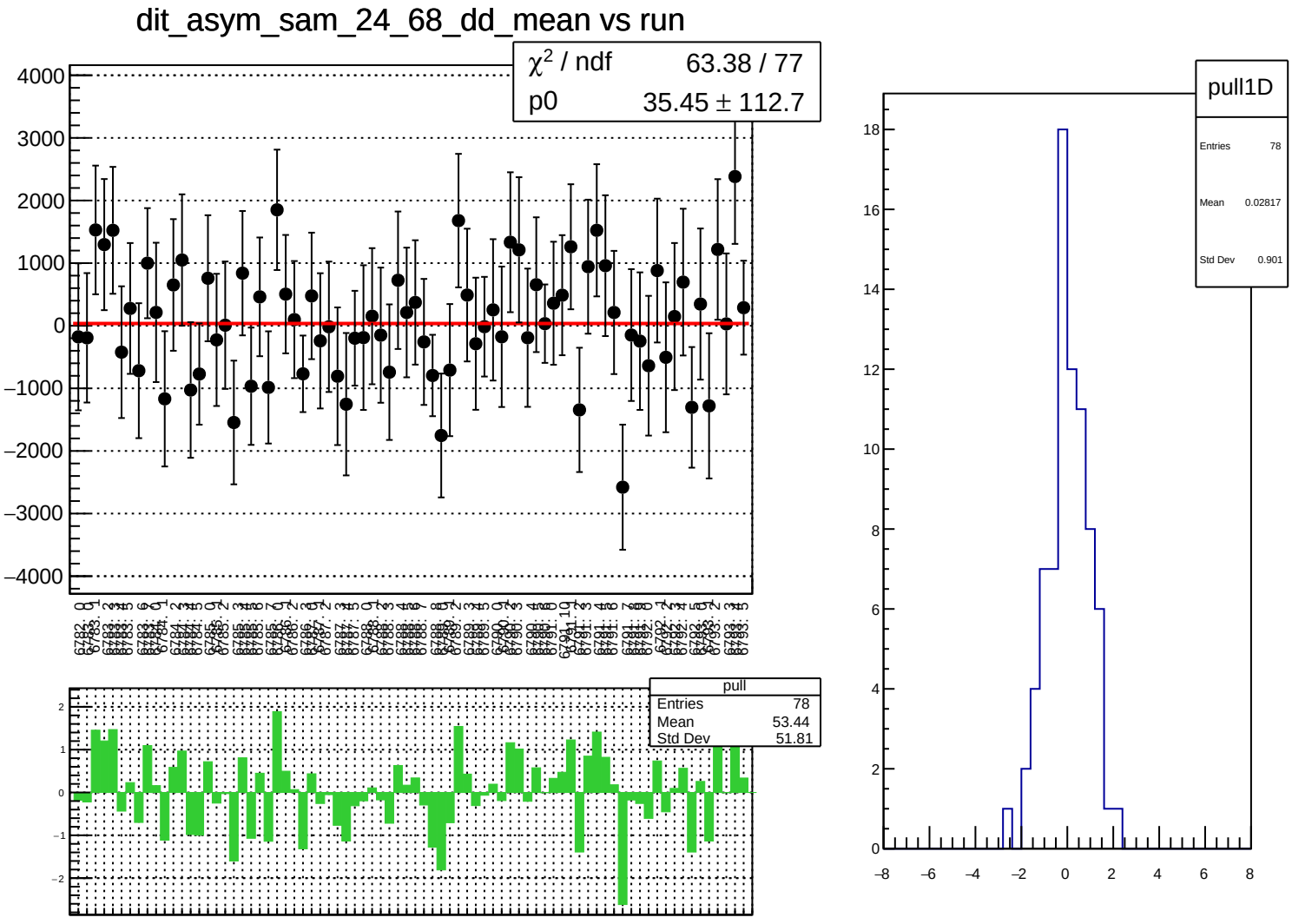

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 69.25 / 77
p0 1231 ± 466.1
pull
Entries 78
Mean −167.3
Std Dev 190.2
pull1D
Entries 78
Mean 0.01059
Std Dev 0.9422

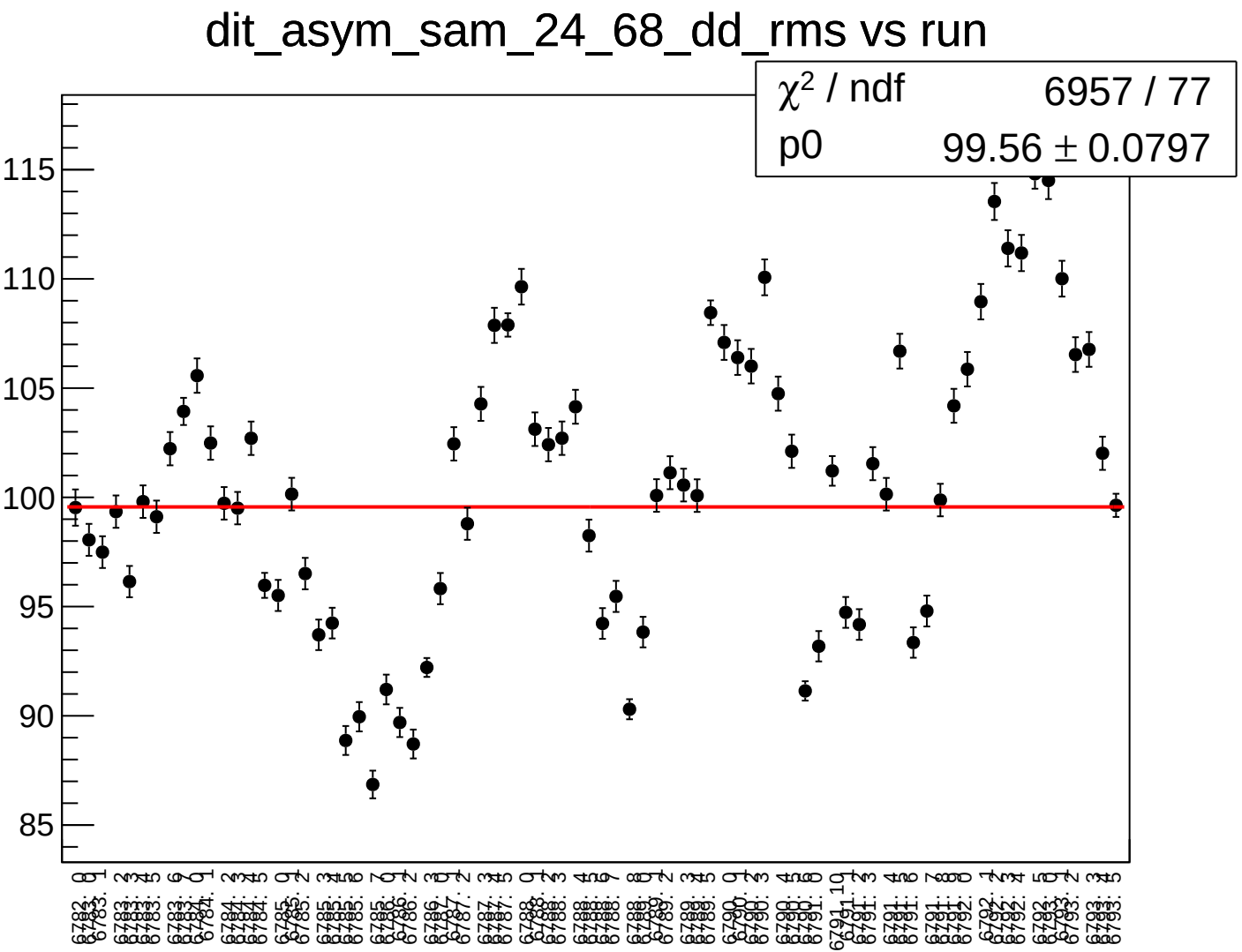

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1414 / 77
p0 412.4 ± 0.3296
460
450
440
430
420
410
400
390
380

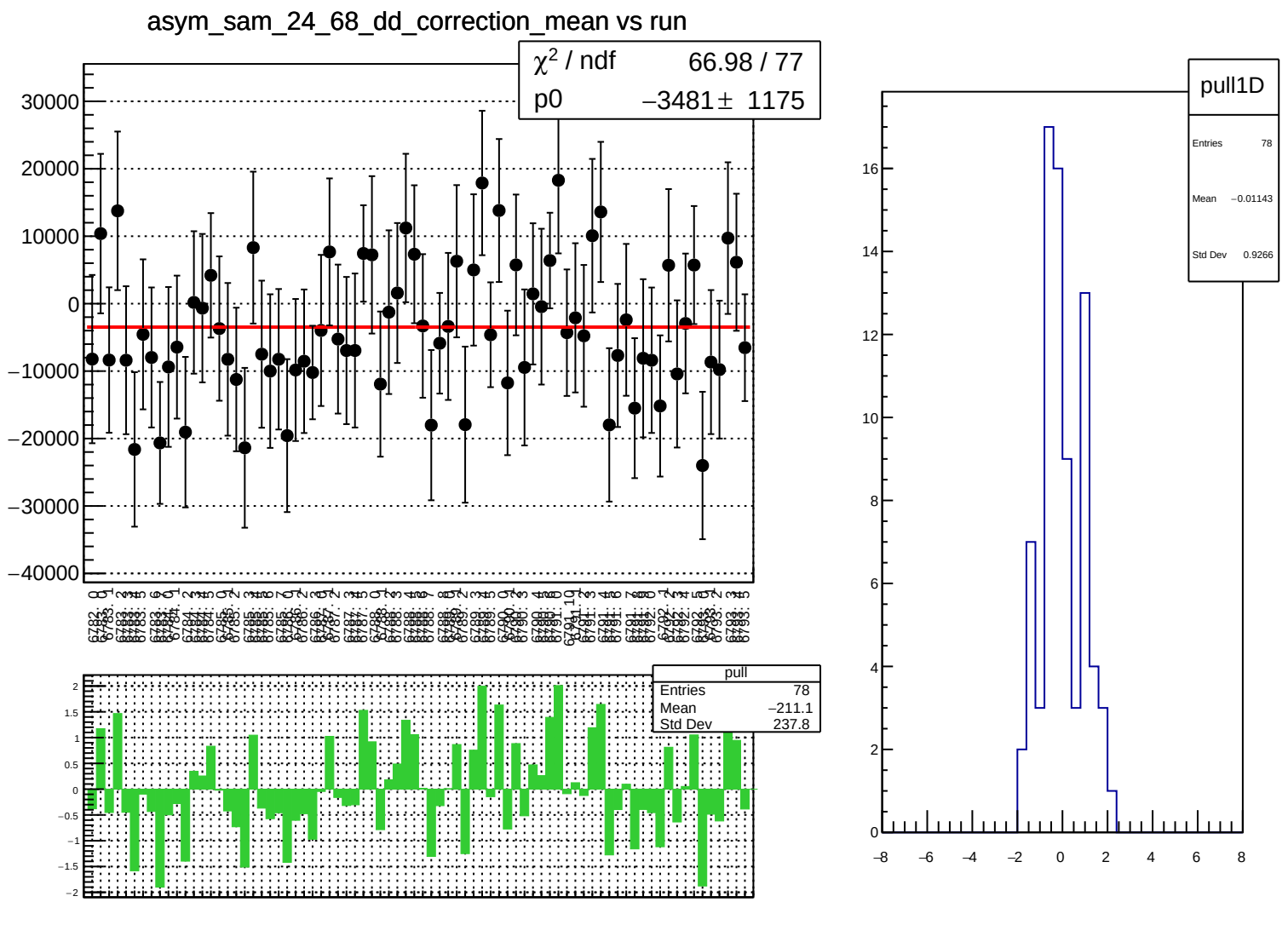

asym_sam_15_37_dd_mean vs run
χ² / ndf 69.18 / 77
p0 −1270 ± 470
pull
Entries 78
Mean −202.4
Std Dev 226.9
pull1D
Entries 78
Mean −0.009013
Std Dev 0.9417

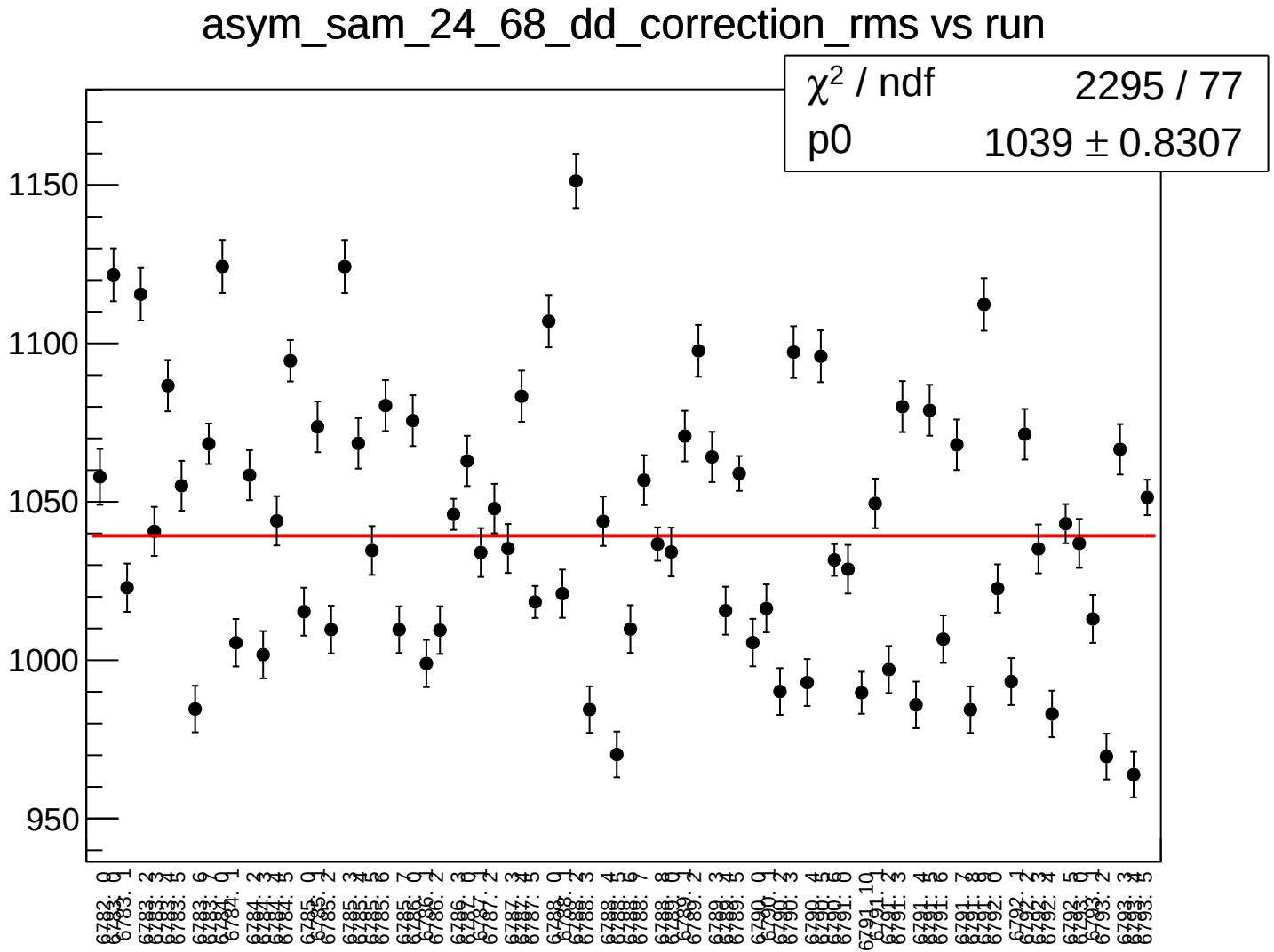
asym_sam_15_37_dd_rms vs run

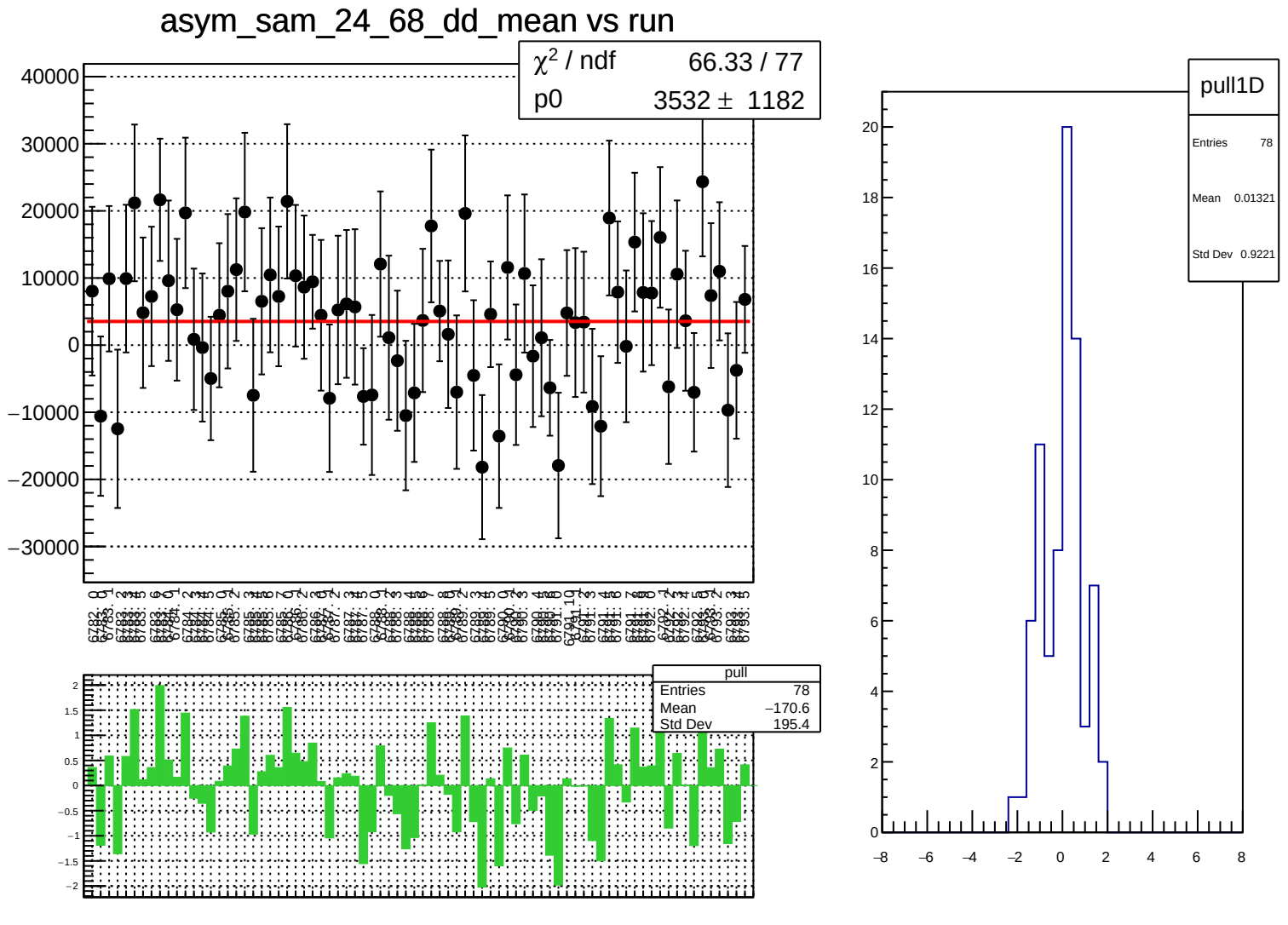


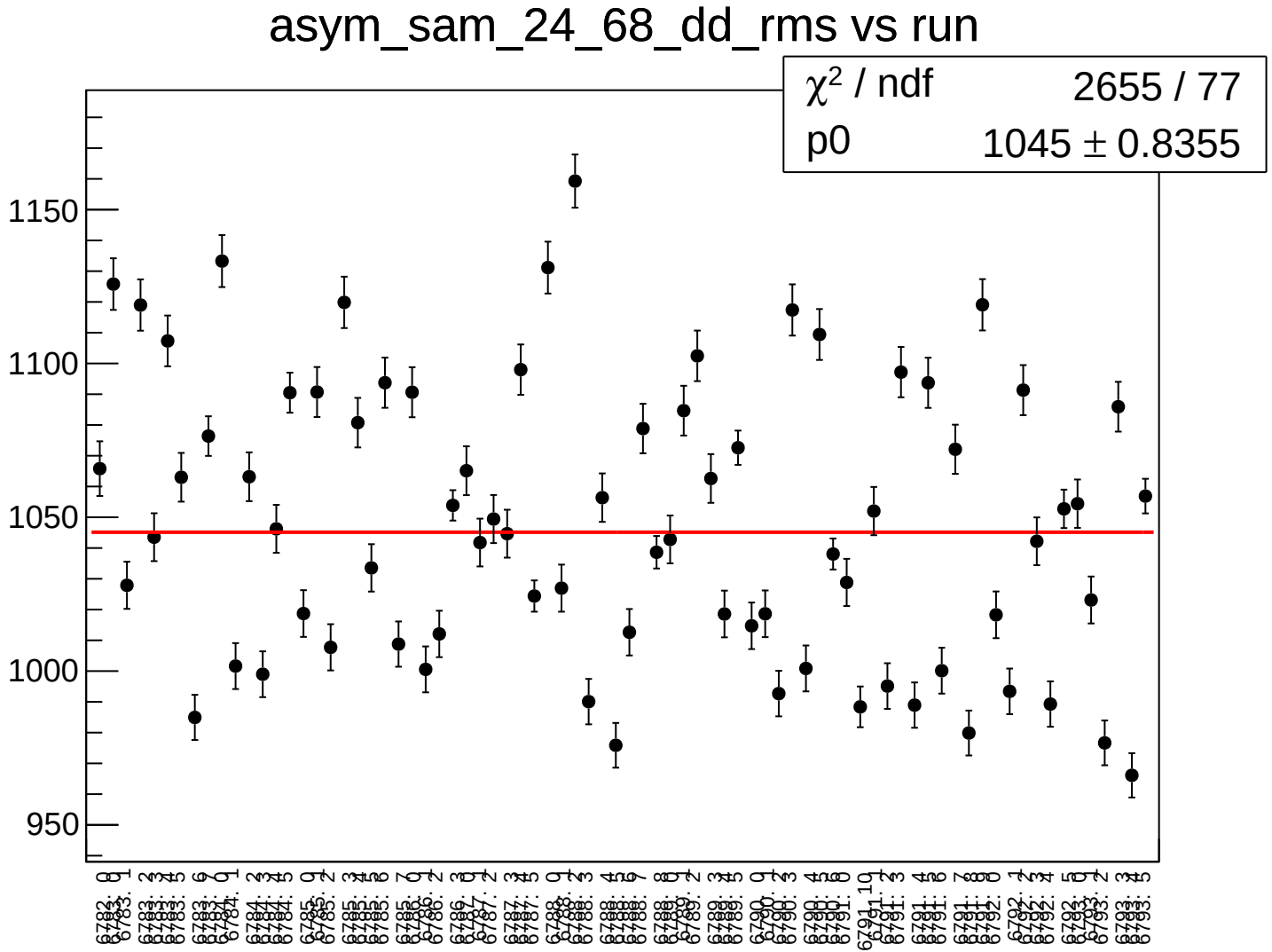

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 63.38 / 77
p0 35.45 ± 112.7
pull
Entries 78
Mean 53.44
Std Dev 51.81
pull1D
Entries 78
Mean 0.02817
Std Dev 0.901

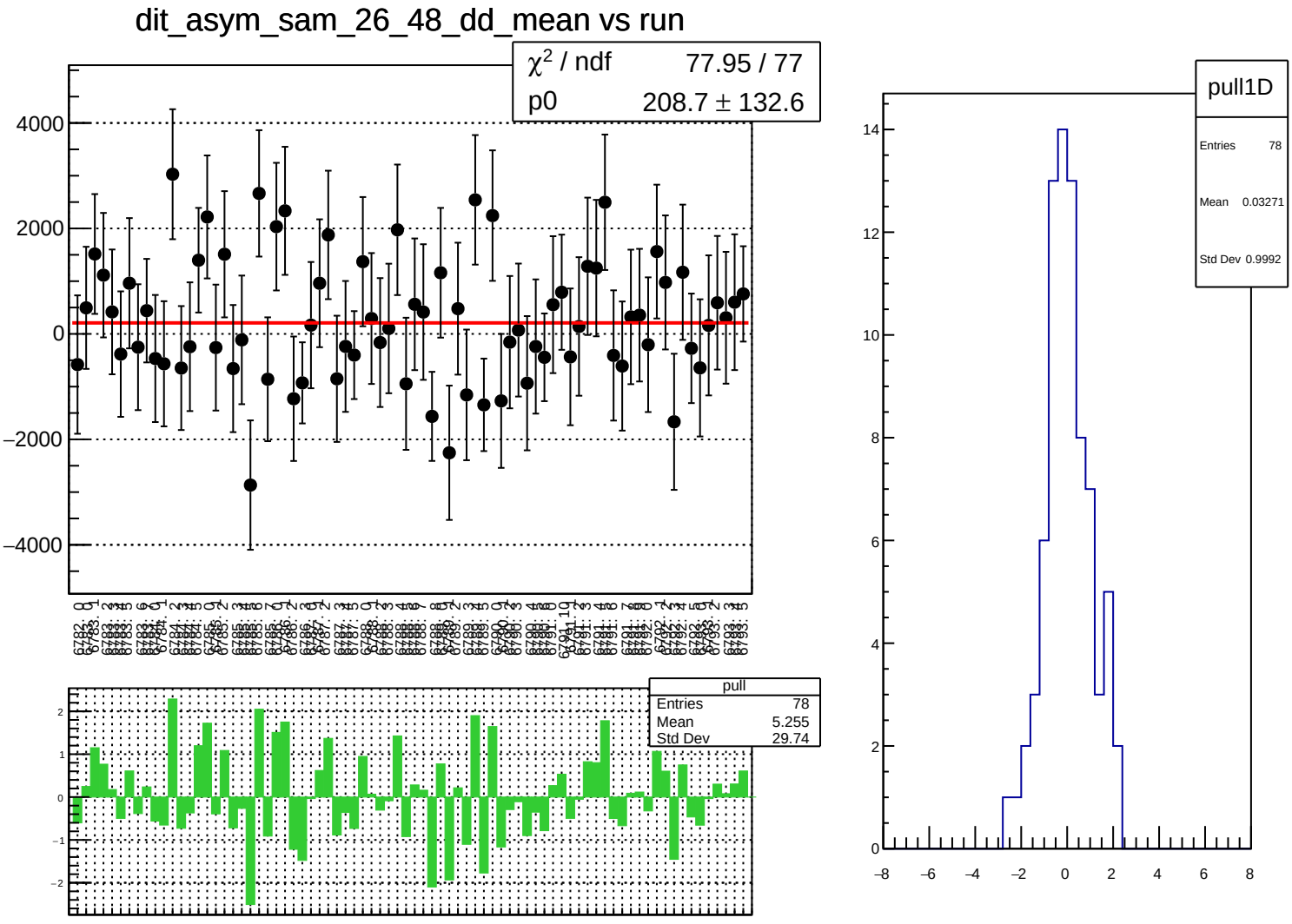

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 6957 / 77
p0 99.56 ± 0.0797
115
110
105
100
95
90
85


asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 66.98 / 77
p0 −3481 ± 1175
pull
Entries 78
Mean −211.1
Std Dev 237.8
pull1D
Entries 78
Mean −0.01143
Std Dev 0.9266

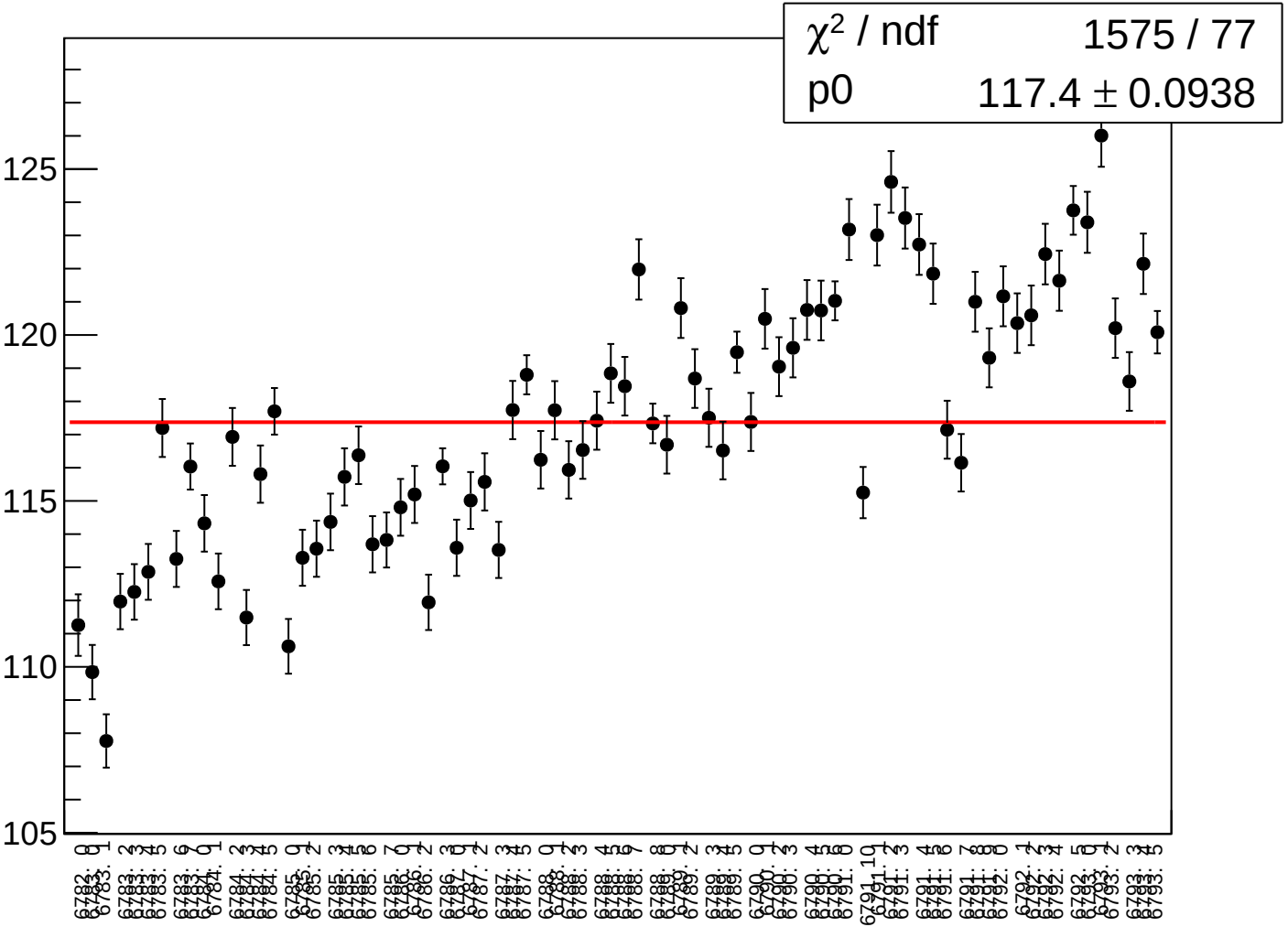

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2295 / 77
p0 1039 ± 0.8307
1150
1100
1050
1000
950

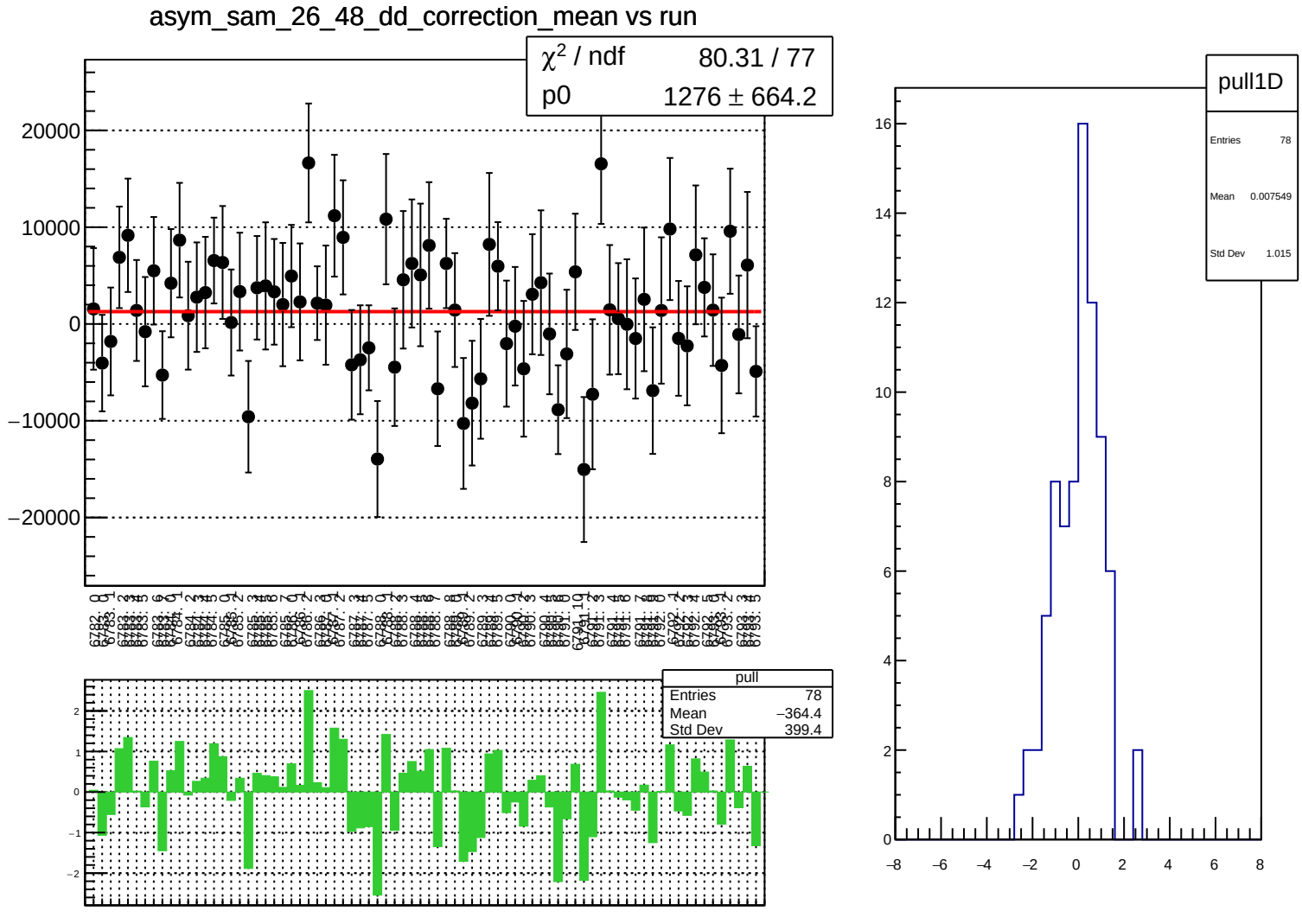

asym_sam_24_68_dd_mean vs run
χ² / ndf 66.33 / 77
p0 3532 ± 1182
pull
Entries 78
Mean −170.6
Std Dev 195.4
pull1D
Entries 78
Mean 0.01321
Std Dev 0.9221


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

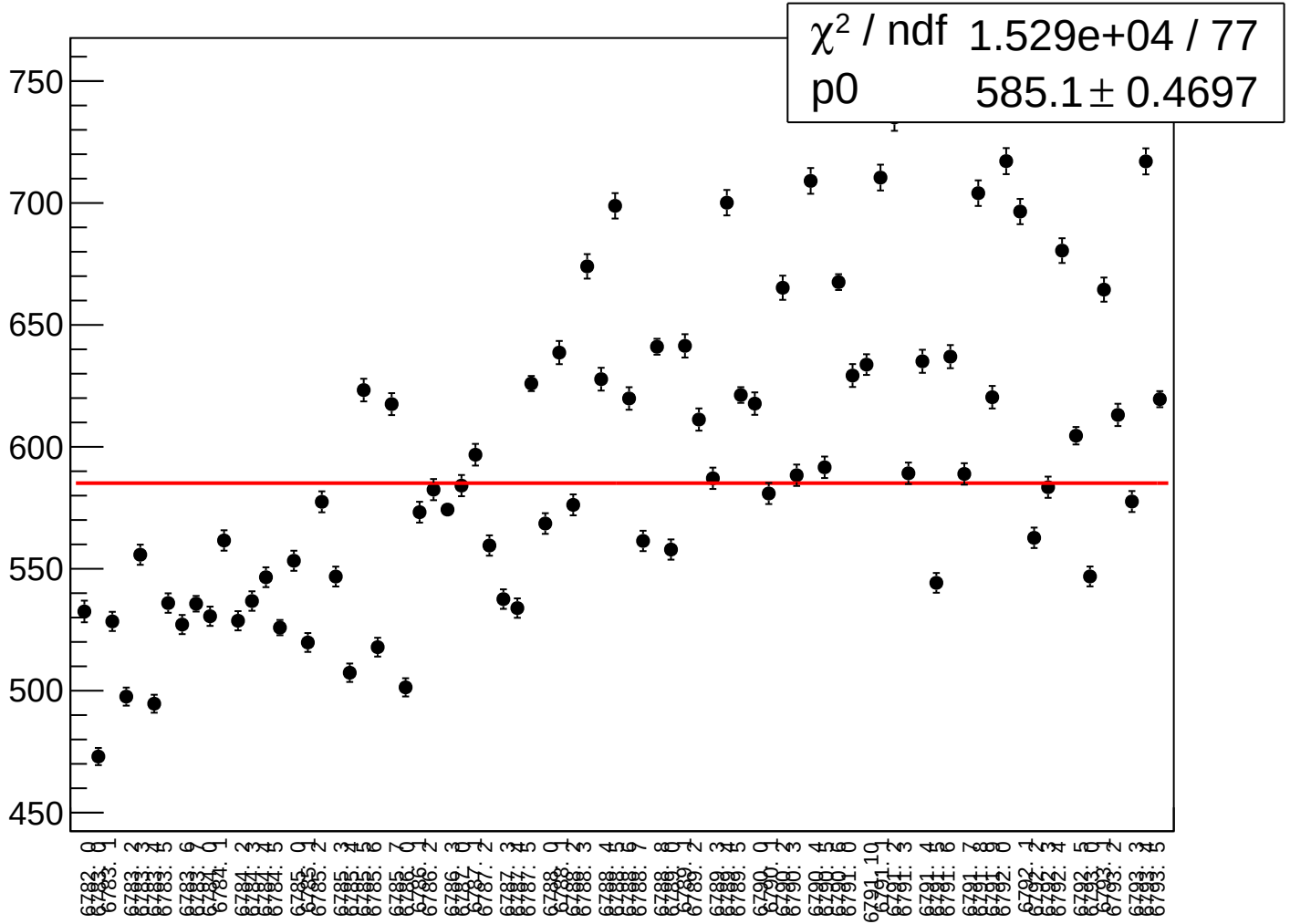

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 77.95 / 77
p0 208.7 ± 132.6
pull
Entries 78
Mean 5.255
Std Dev 29.74
pull1D
Entries 78
Mean 0.03271
Std Dev 0.9992

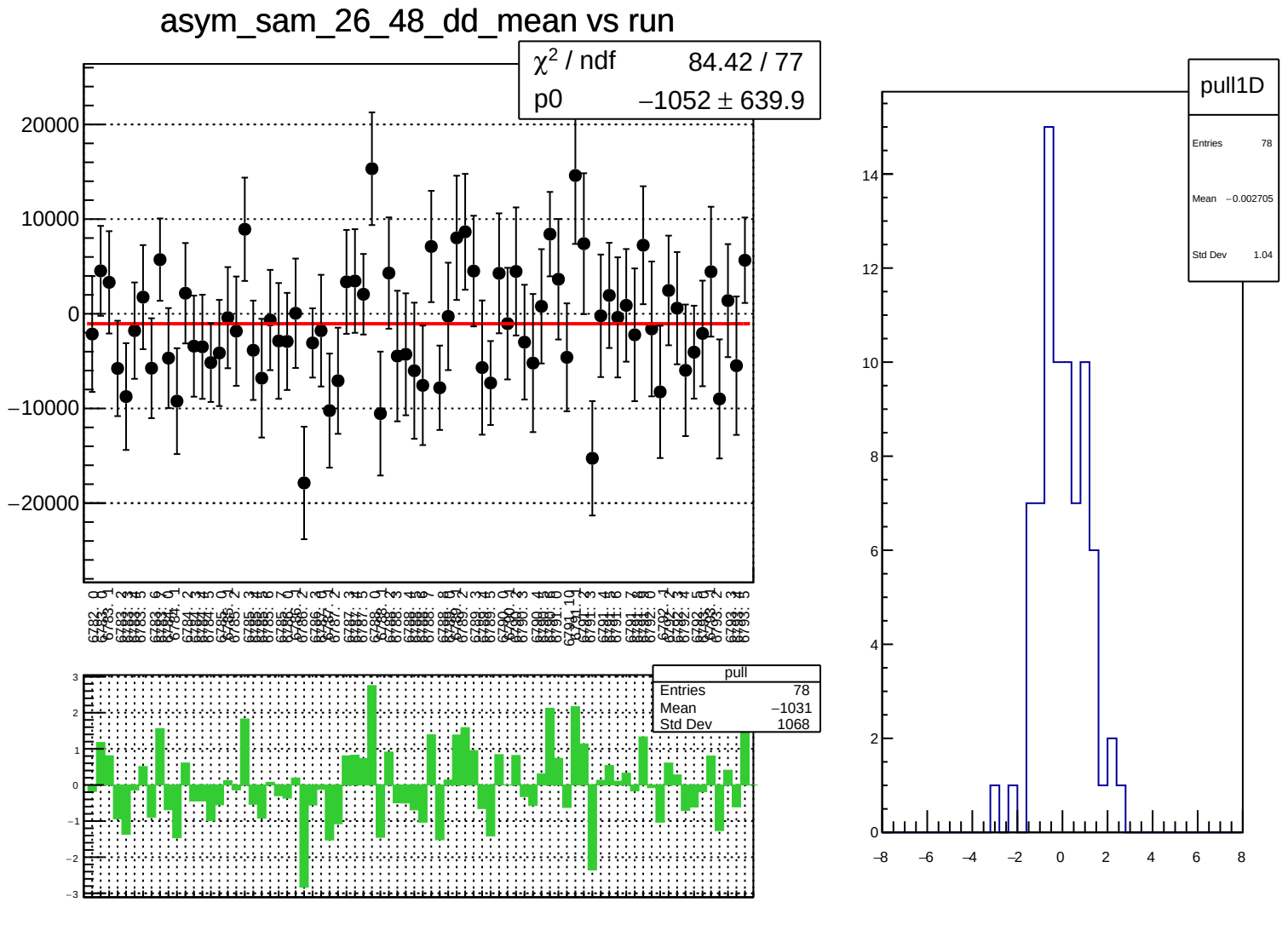
dit_asym_sam_26_48_dd_rms vs run



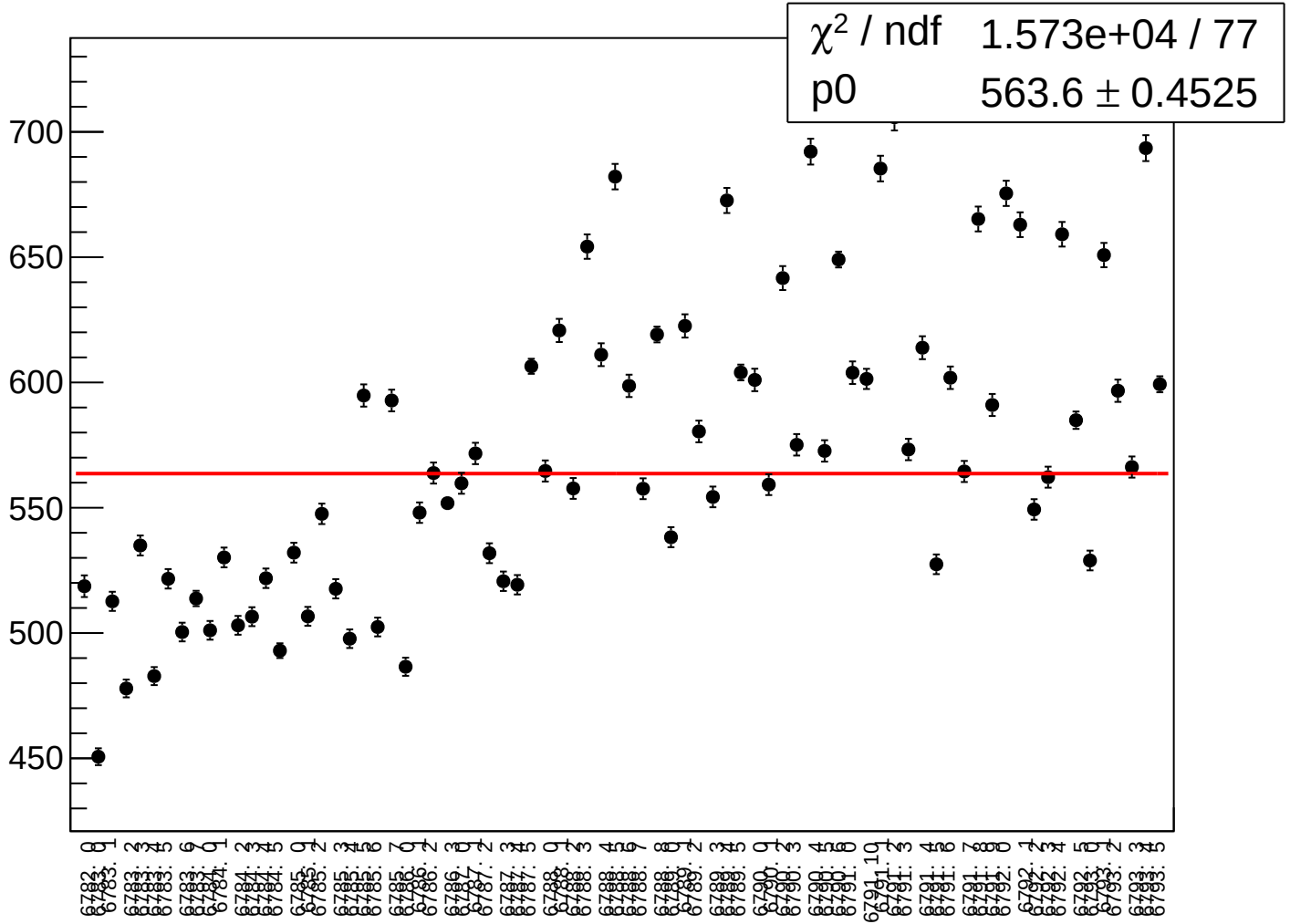

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 80.31 / 77
p0 1276 ± 664.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −364.4
Std Dev 399.4
pull1D
Entries 78
Mean 0.007549
Std Dev 1.015

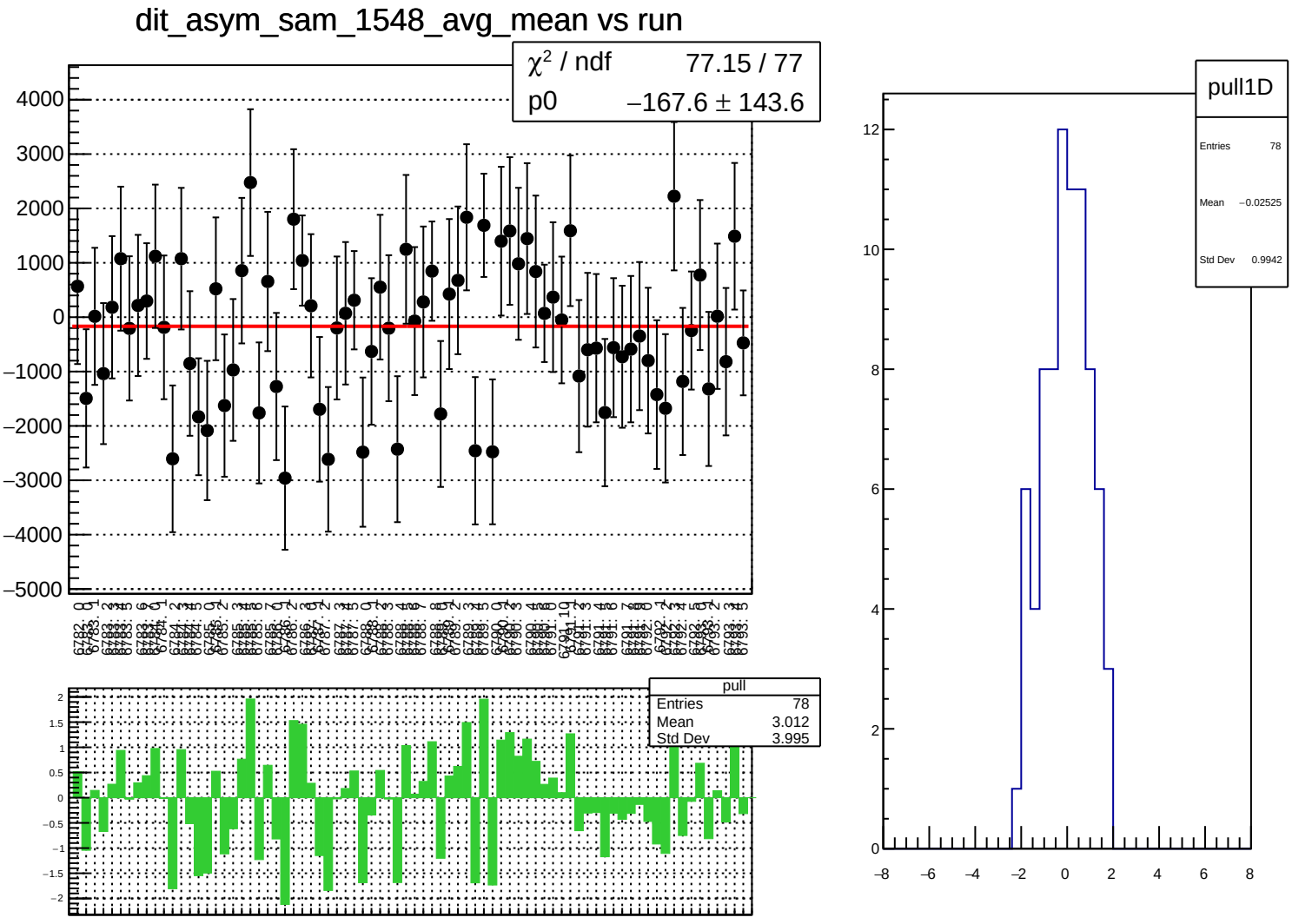
asym_sam_26_48_dd_correction_rms vs run



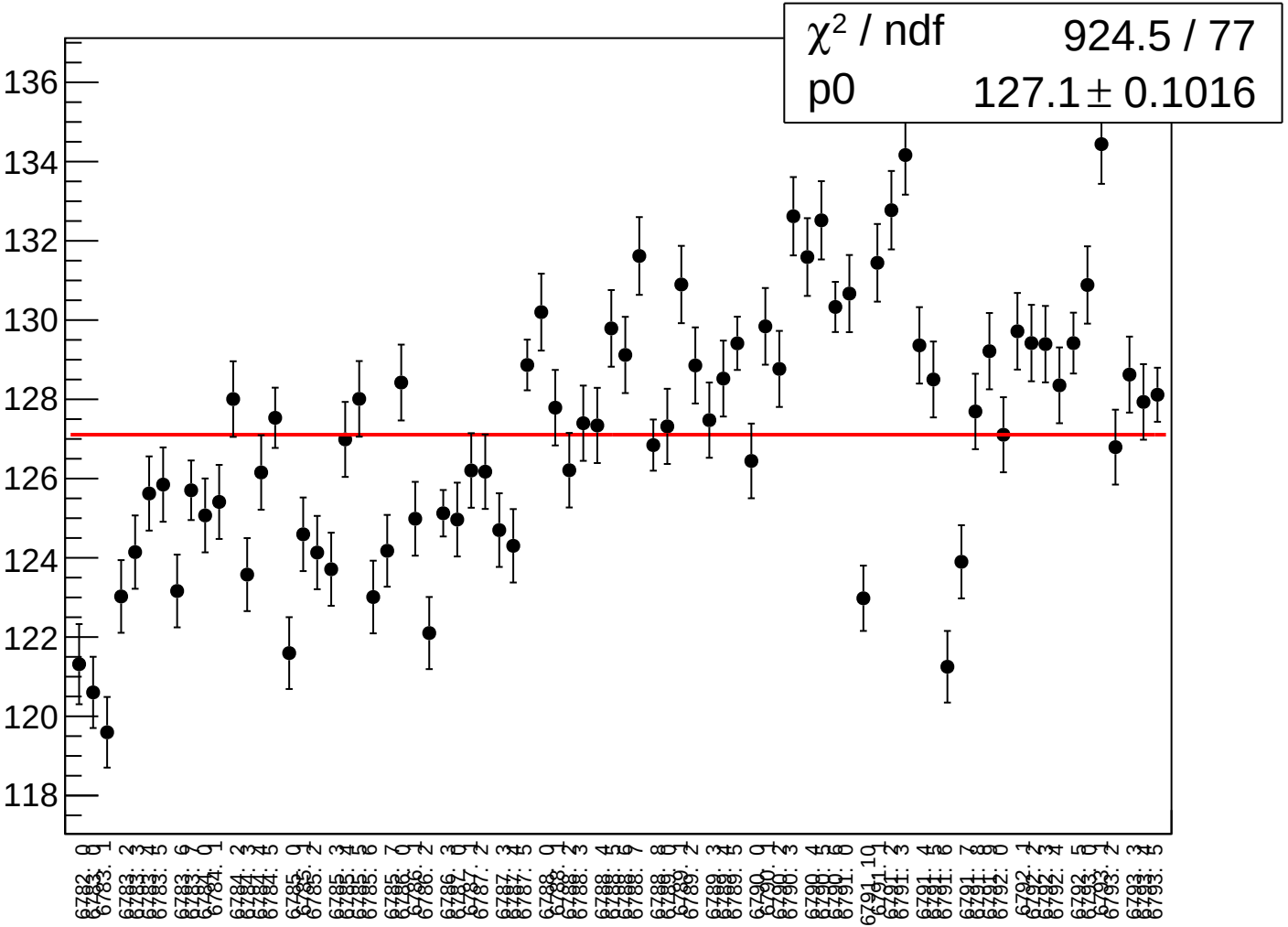

asym_sam_26_48_dd_mean vs run
χ² / ndf 84.42 / 77
p0 −1052 ± 639.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −1031
Std Dev 1068
3
2
1
0
−1
−2
−3
pull1D
Entries 78
Mean −0.002705
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

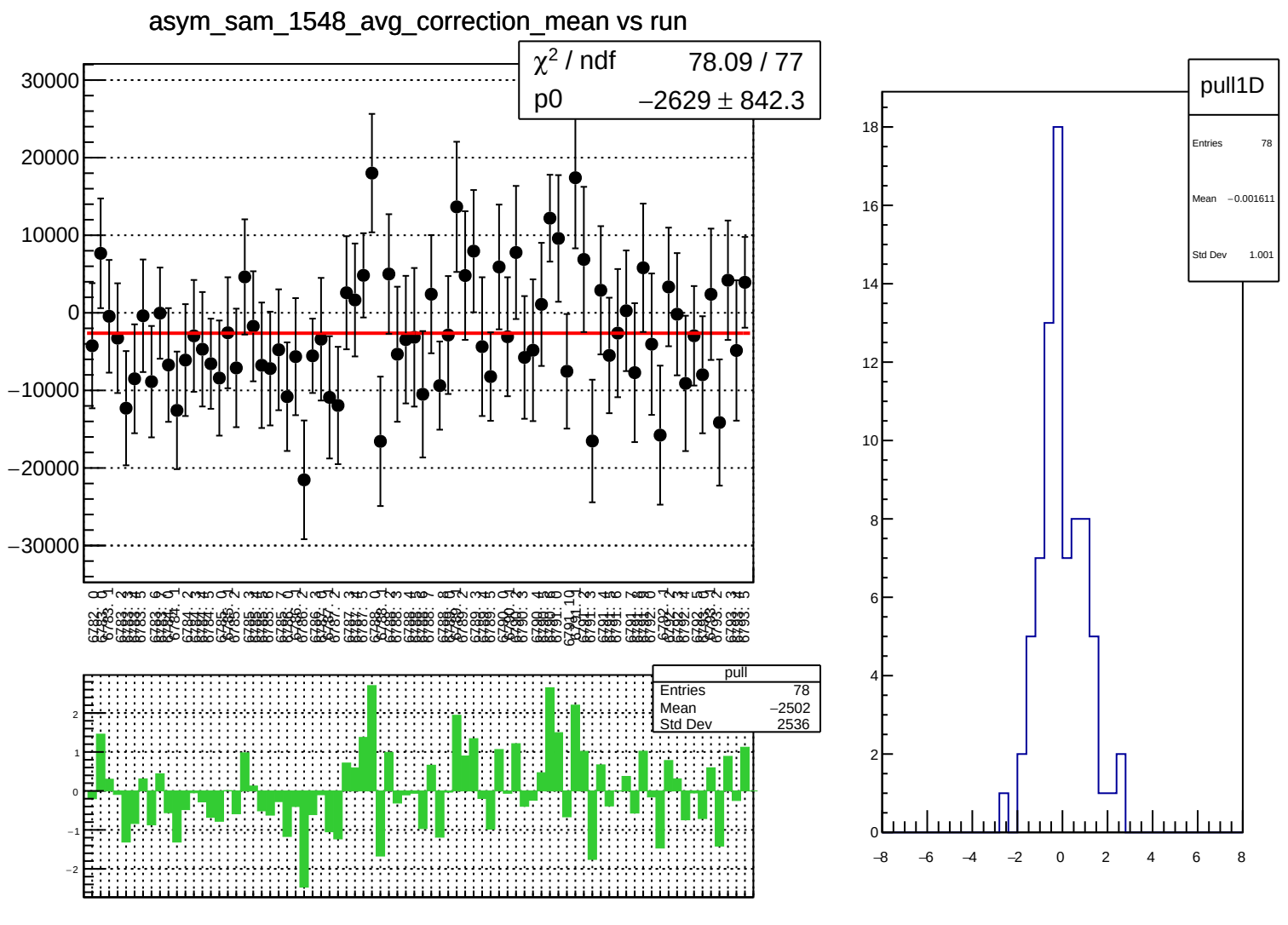
asym_sam_26_48_dd_rms vs run

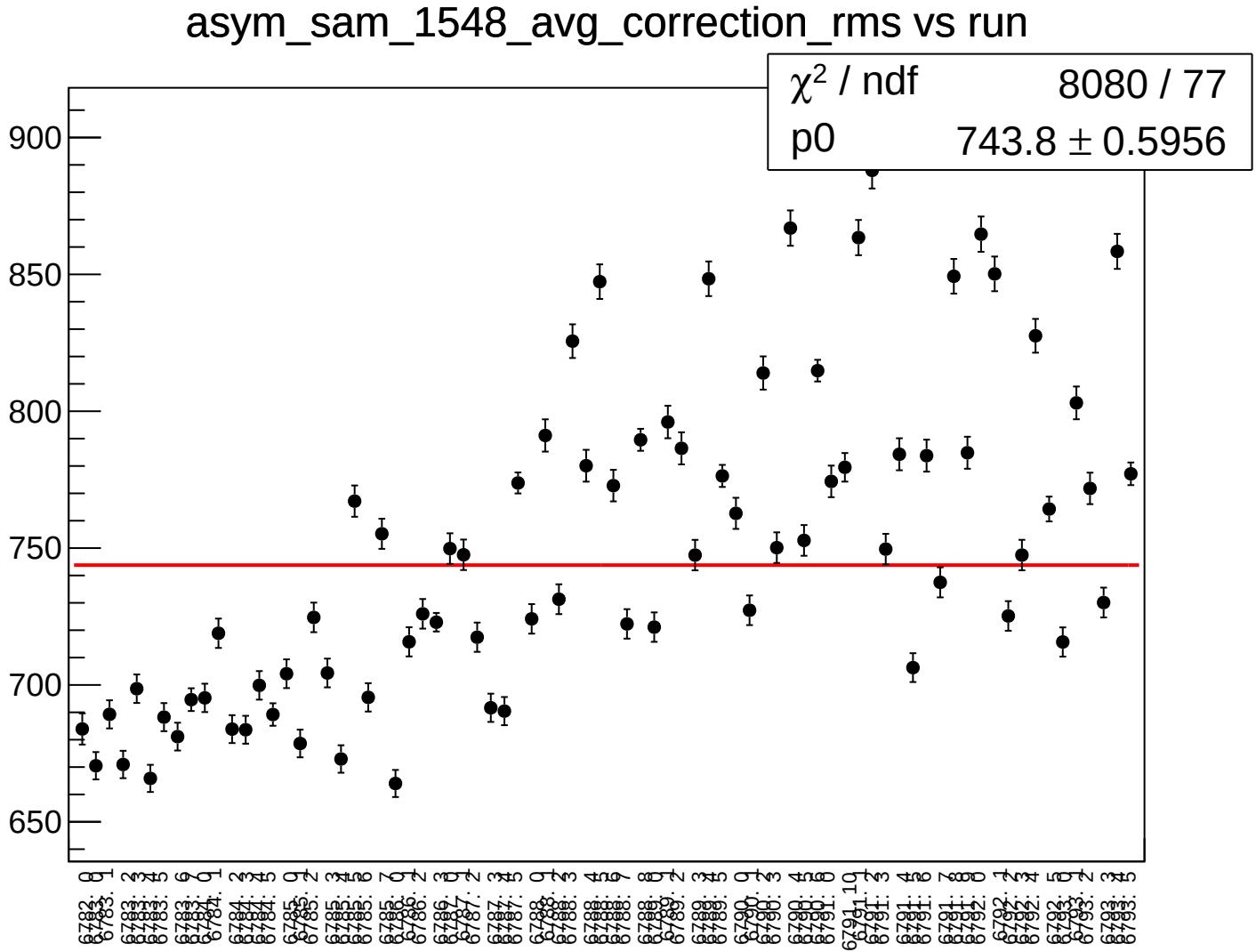


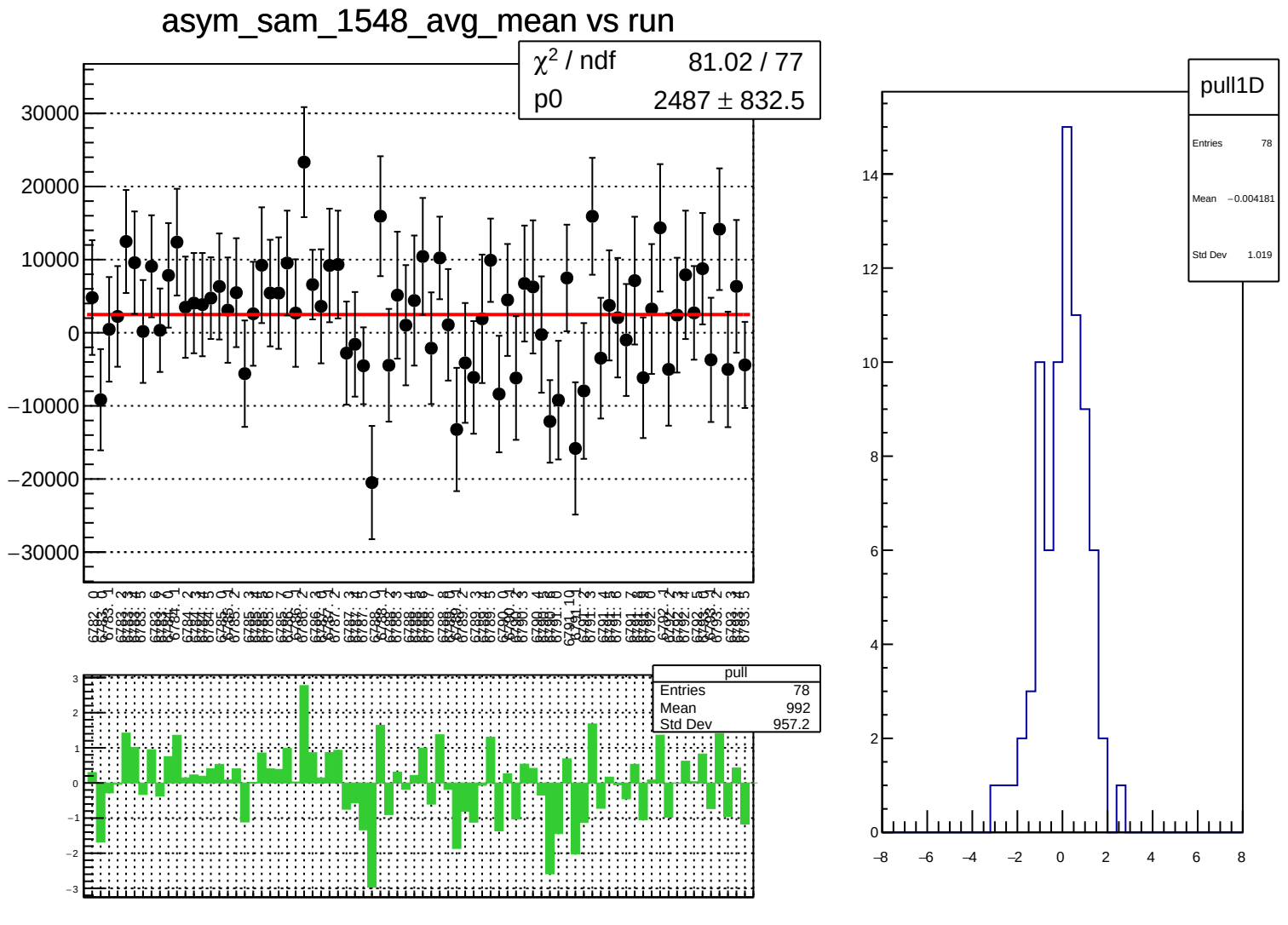

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 77.15 / 77
p0 −167.6 ± 143.6
pull
Entries 78
Mean 3.012
Std Dev 3.995
pull1D
Entries 78
Mean −0.02525
Std Dev 0.9942

dit_asym_sam_1548_avg_rms vs run

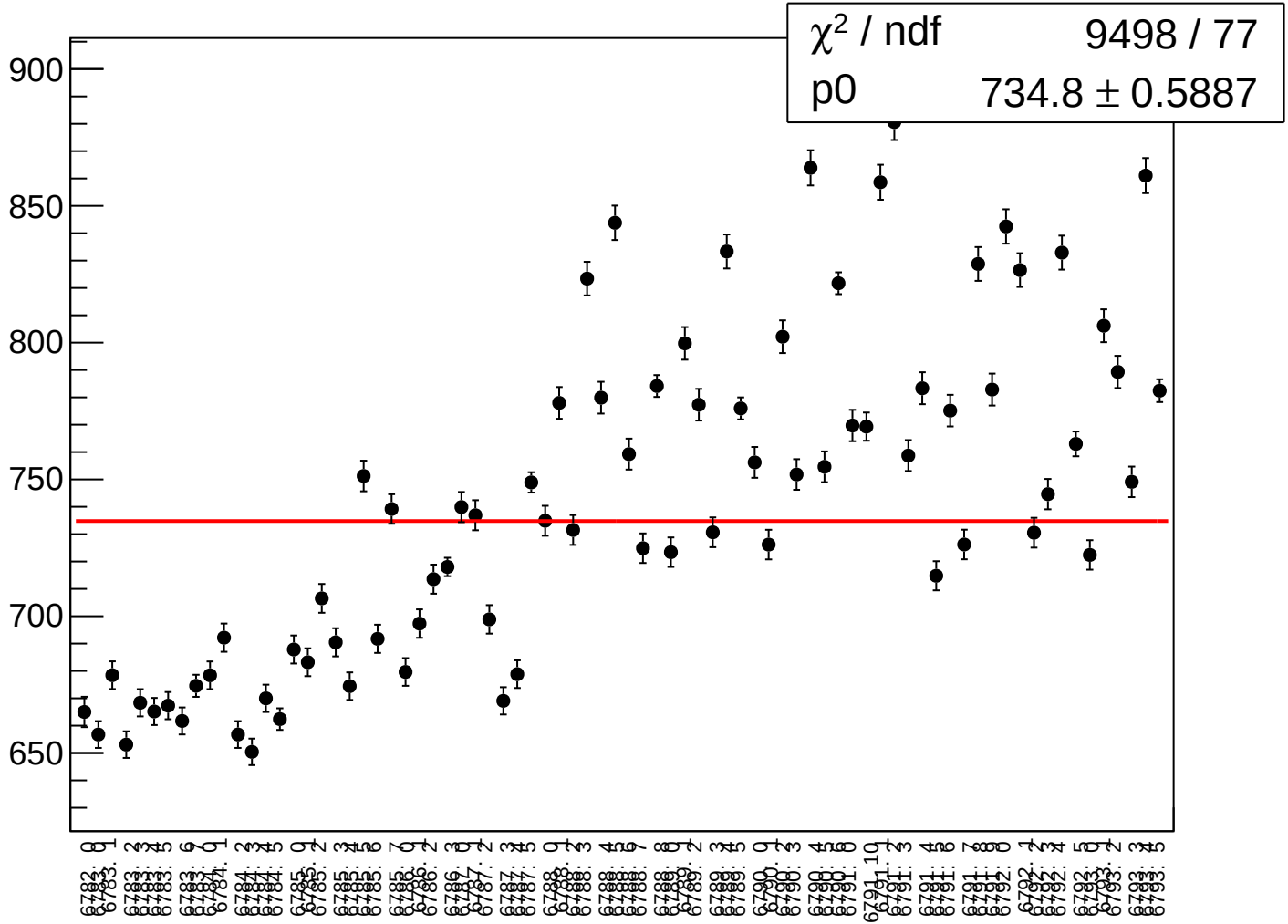


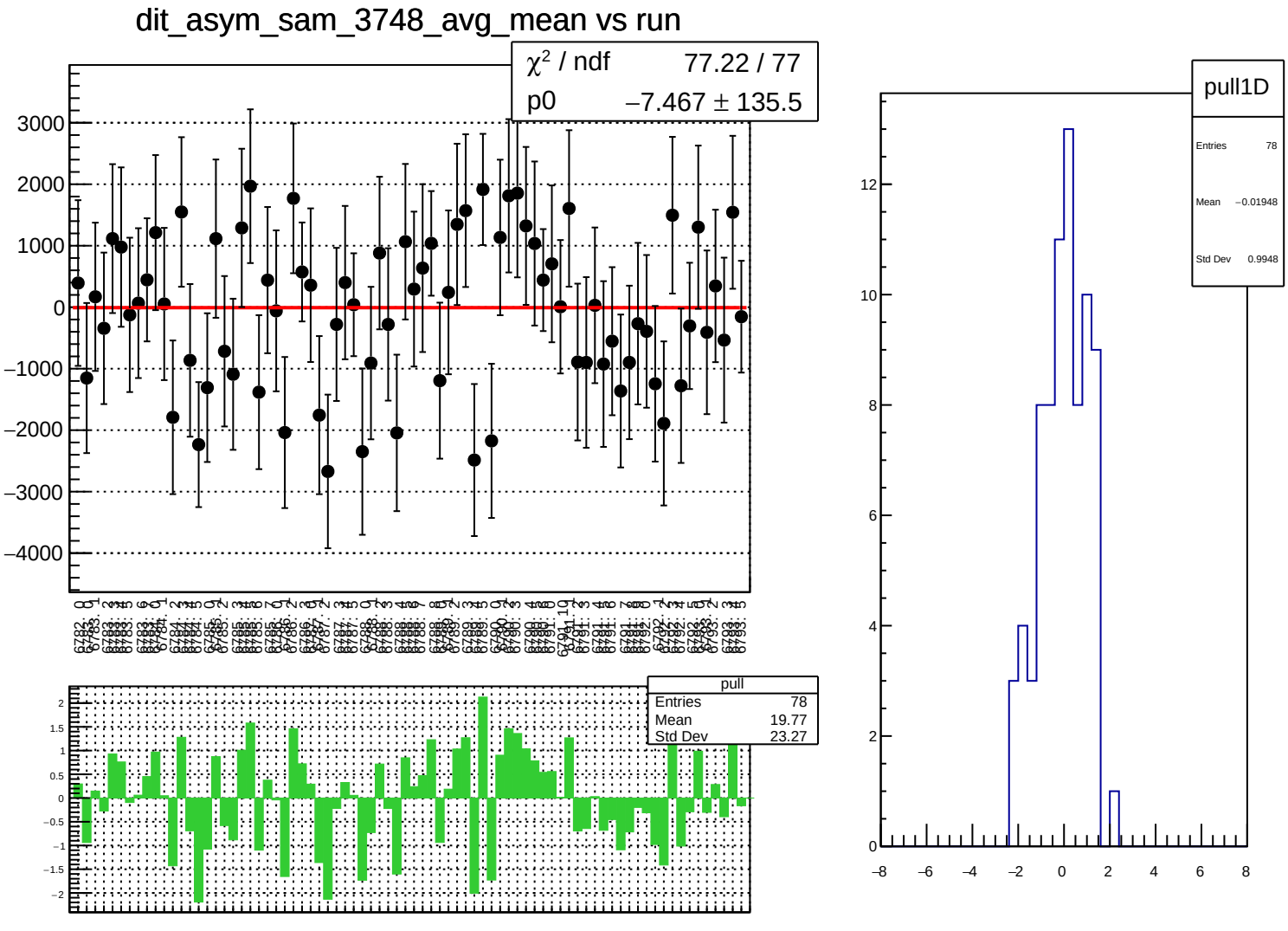

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 78.09 / 77
p0 −2629 ± 842.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −2502
Std Dev 2536
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.001611
Std Dev 1.001
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_correction_rms vs run
χ² / ndf 8080 / 77
p0 743.8 ± 0.5956
900
850
800
750
700
650

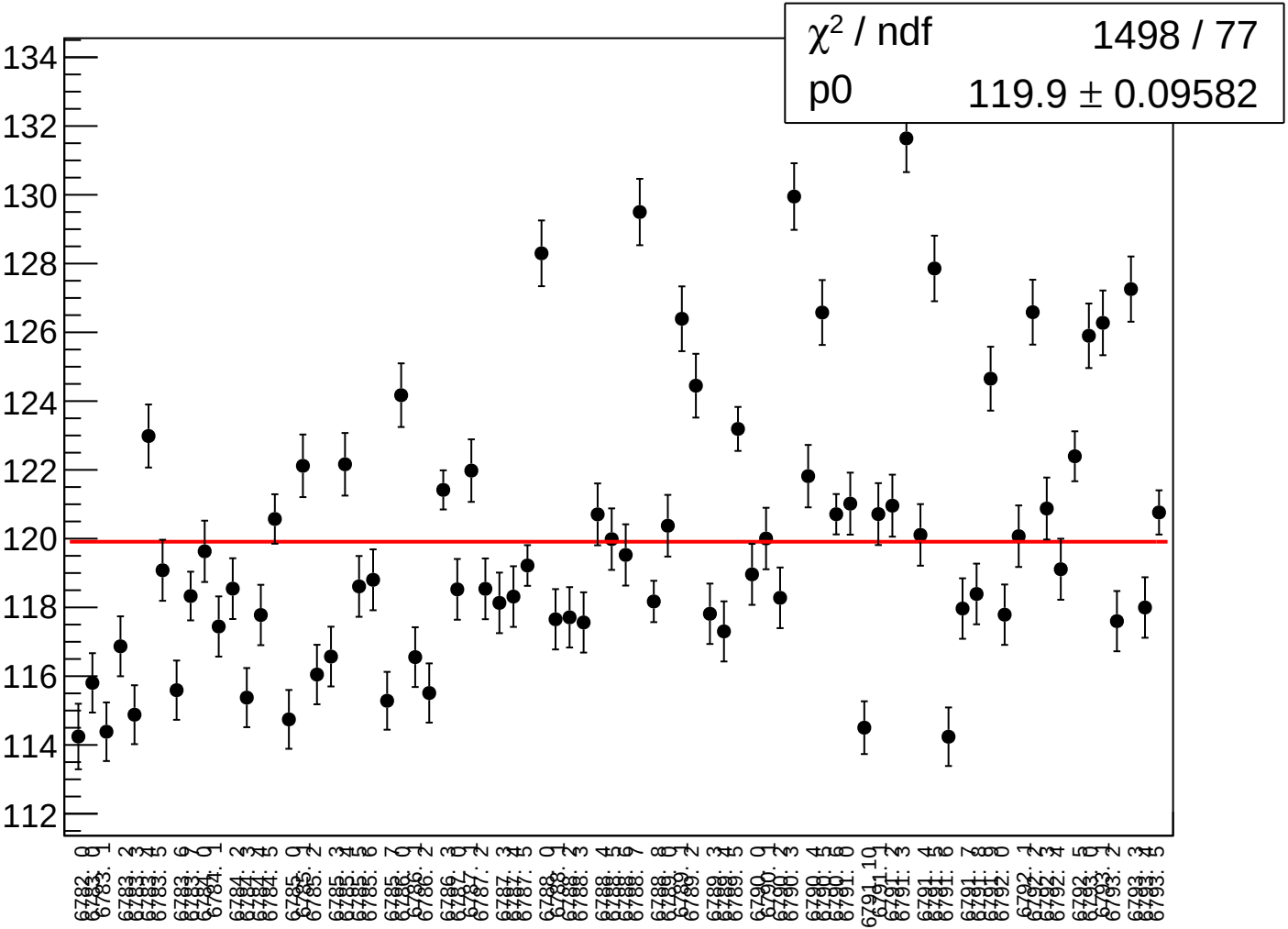

asym_sam_1548_avg_mean vs run
χ² / ndf 81.02 / 77
p0 2487 ± 832.5
pull
Entries 78
Mean 992
Std Dev 957.2
pull1D
Entries 78
Mean −0.004181
Std Dev 1.019

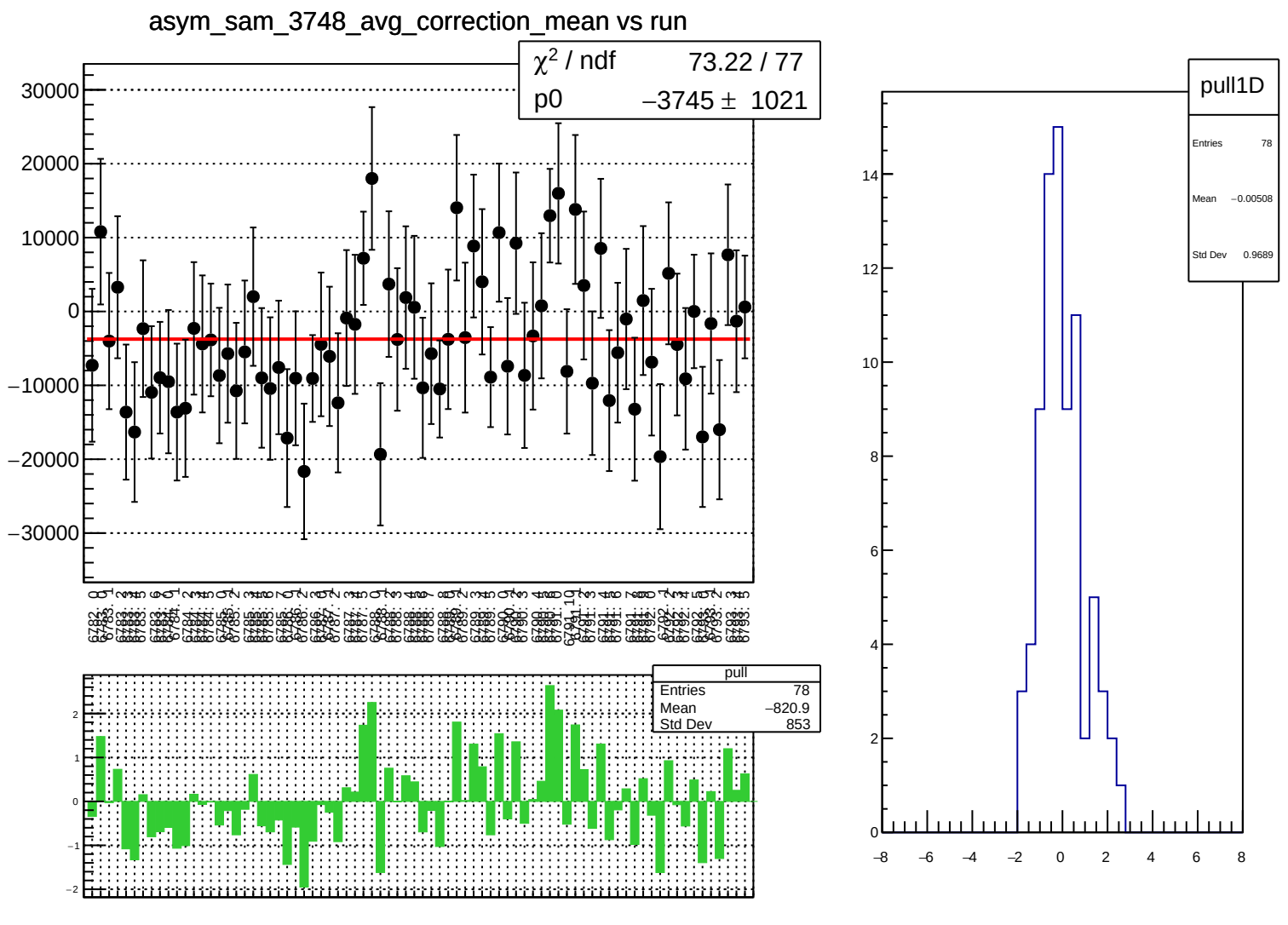
asym_sam_1548_avg_rms vs run



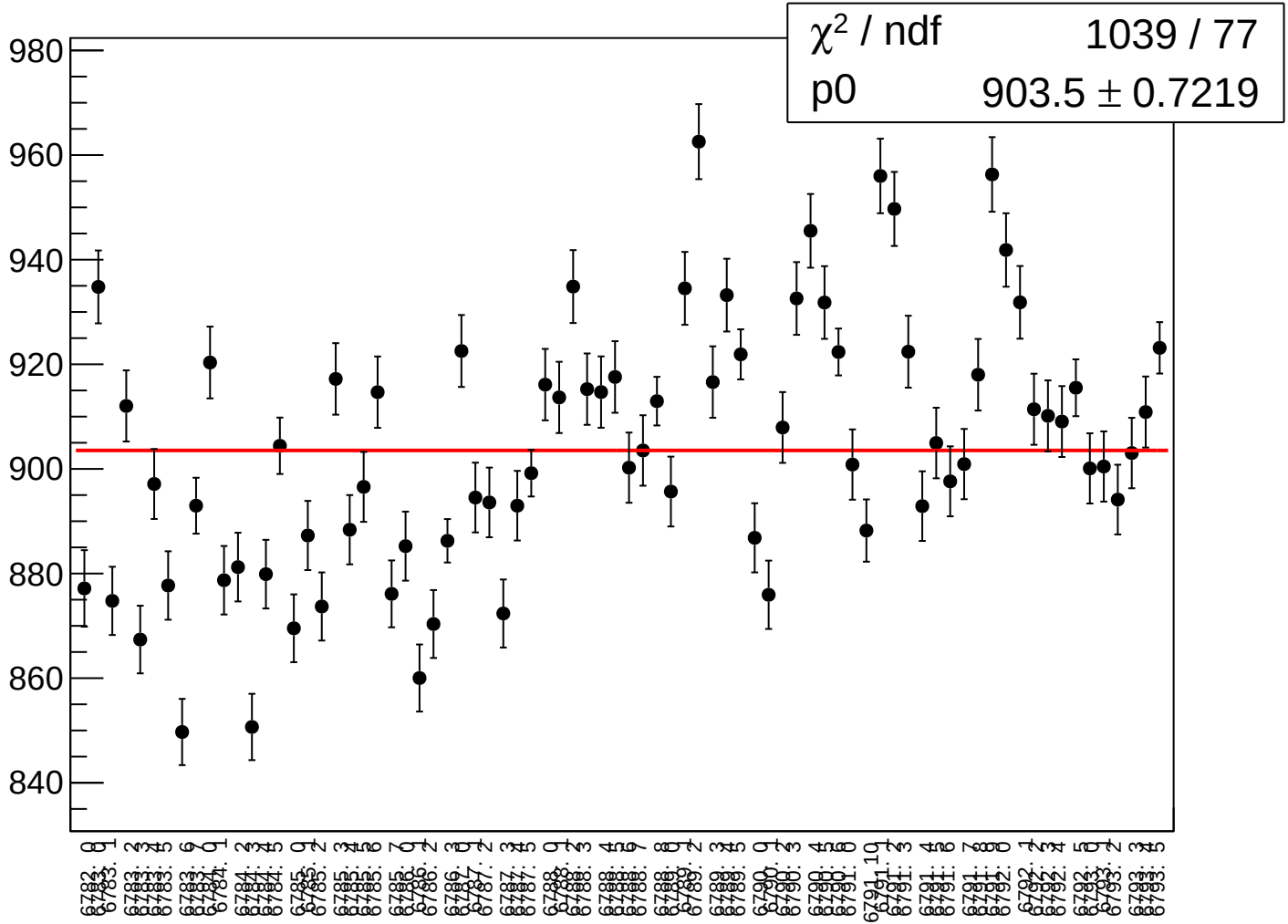

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 77.22 / 77
p0 −7.467 ± 135.5
pull
Entries 78
Mean 19.77
Std Dev 23.27
pull1D
Entries 78
Mean −0.01948
Std Dev 0.9948

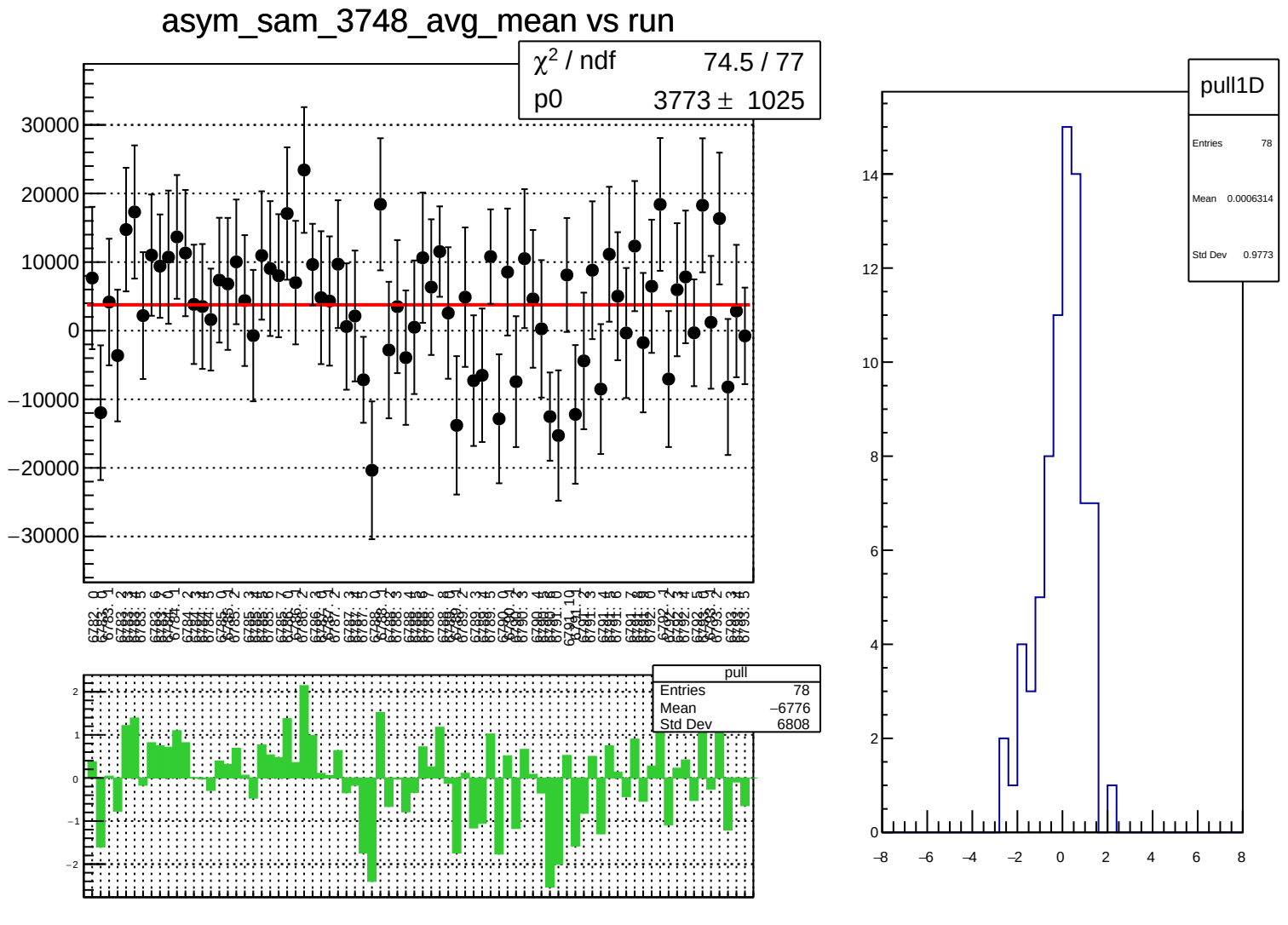
dit_asym_sam_3748_avg_rms vs run



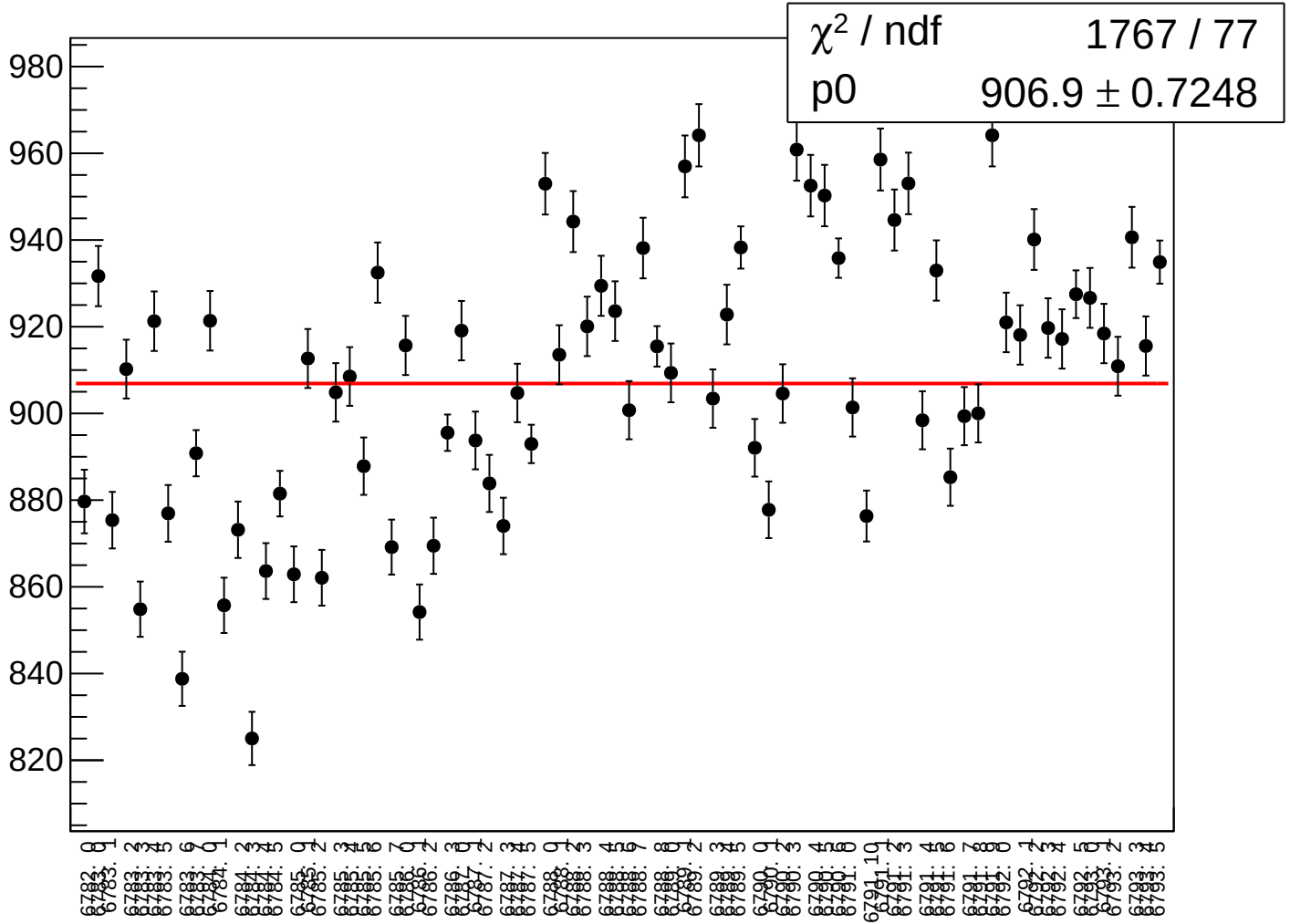

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 73.22 / 77
p0 −3745 ± 1021
pull
Entries 78
Mean −820.9
Std Dev 853
pull1D
Entries 78
Mean −0.00508
Std Dev 0.9689

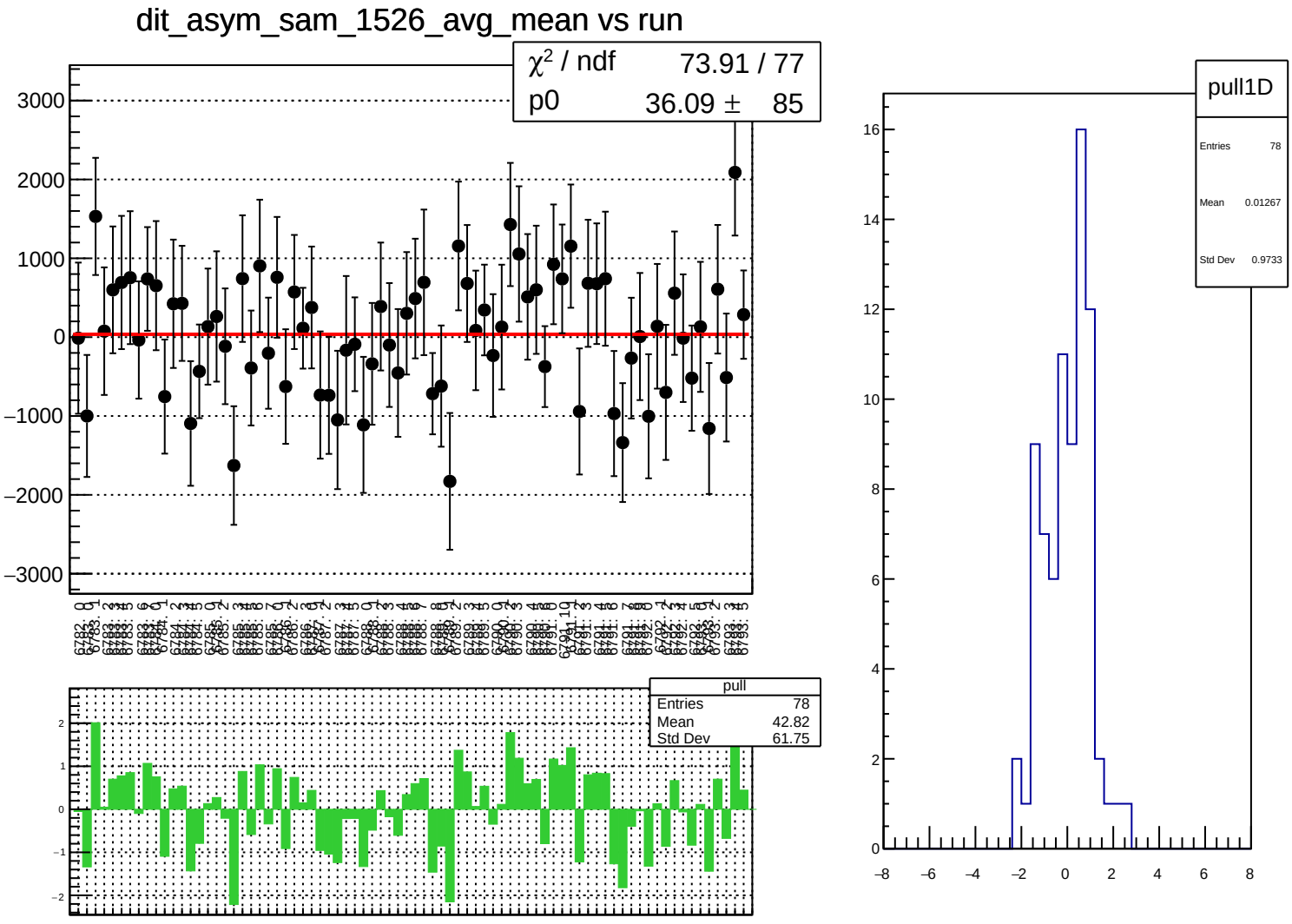
asym_sam_3748_avg_correction_rms vs run



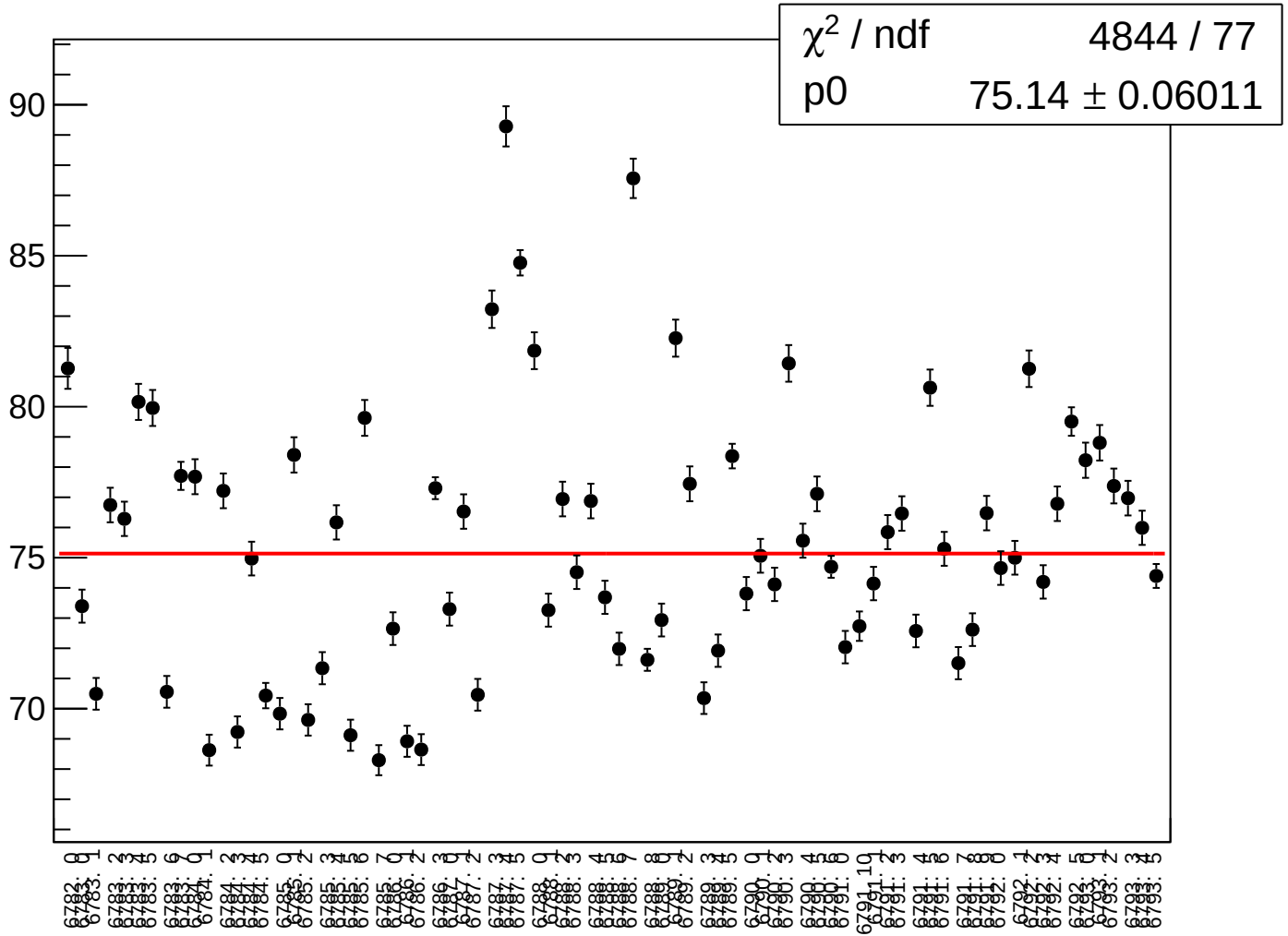

asym_sam_3748_avg_mean vs run
χ² / ndf 74.5 / 77
p0 3773 ± 1025
pull
Entries 78
Mean −6776
Std Dev 6808
pull1D
Entries 78
Mean 0.0006314
Std Dev 0.9773

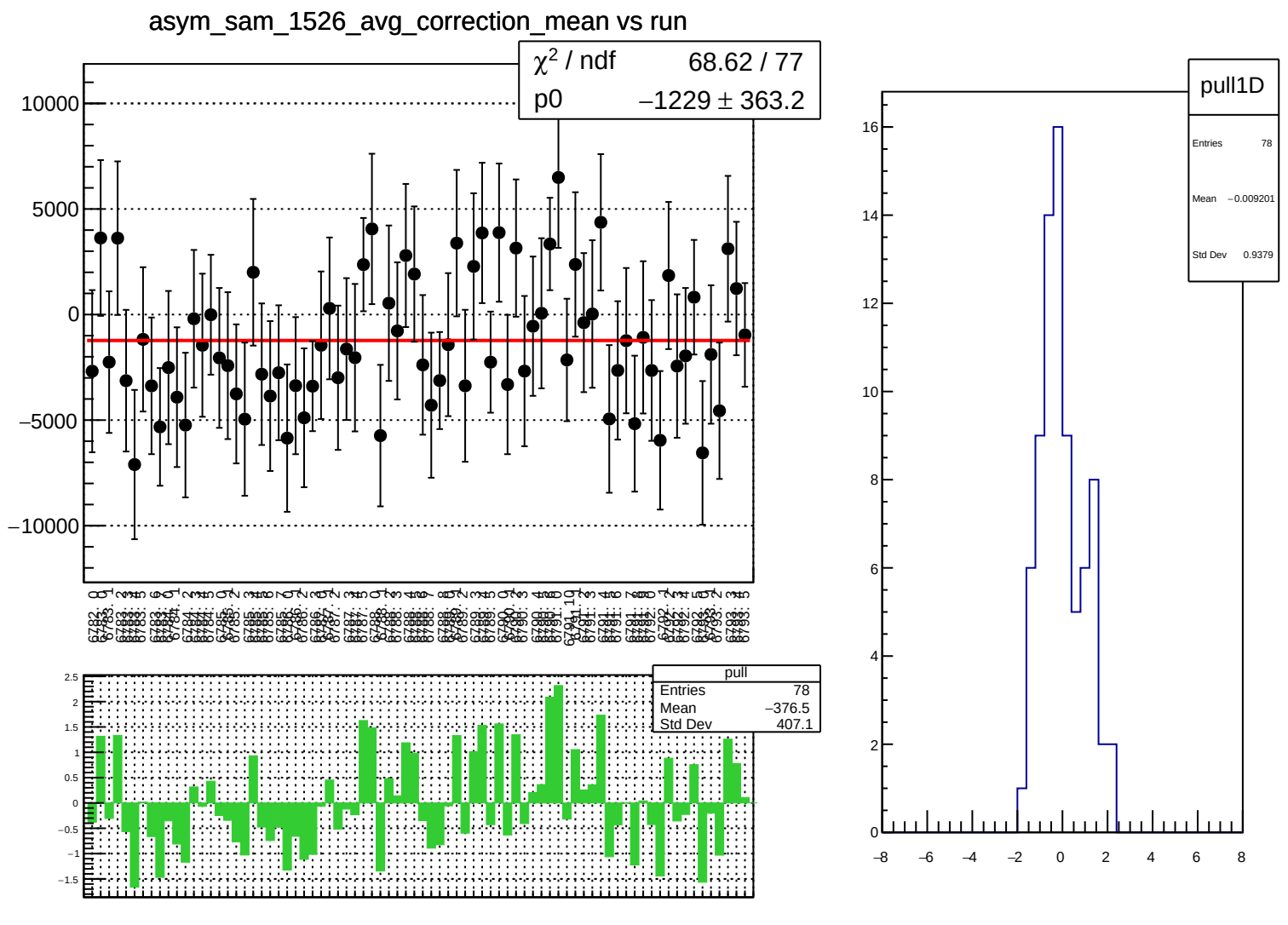
asym_sam_3748_avg_rms vs run



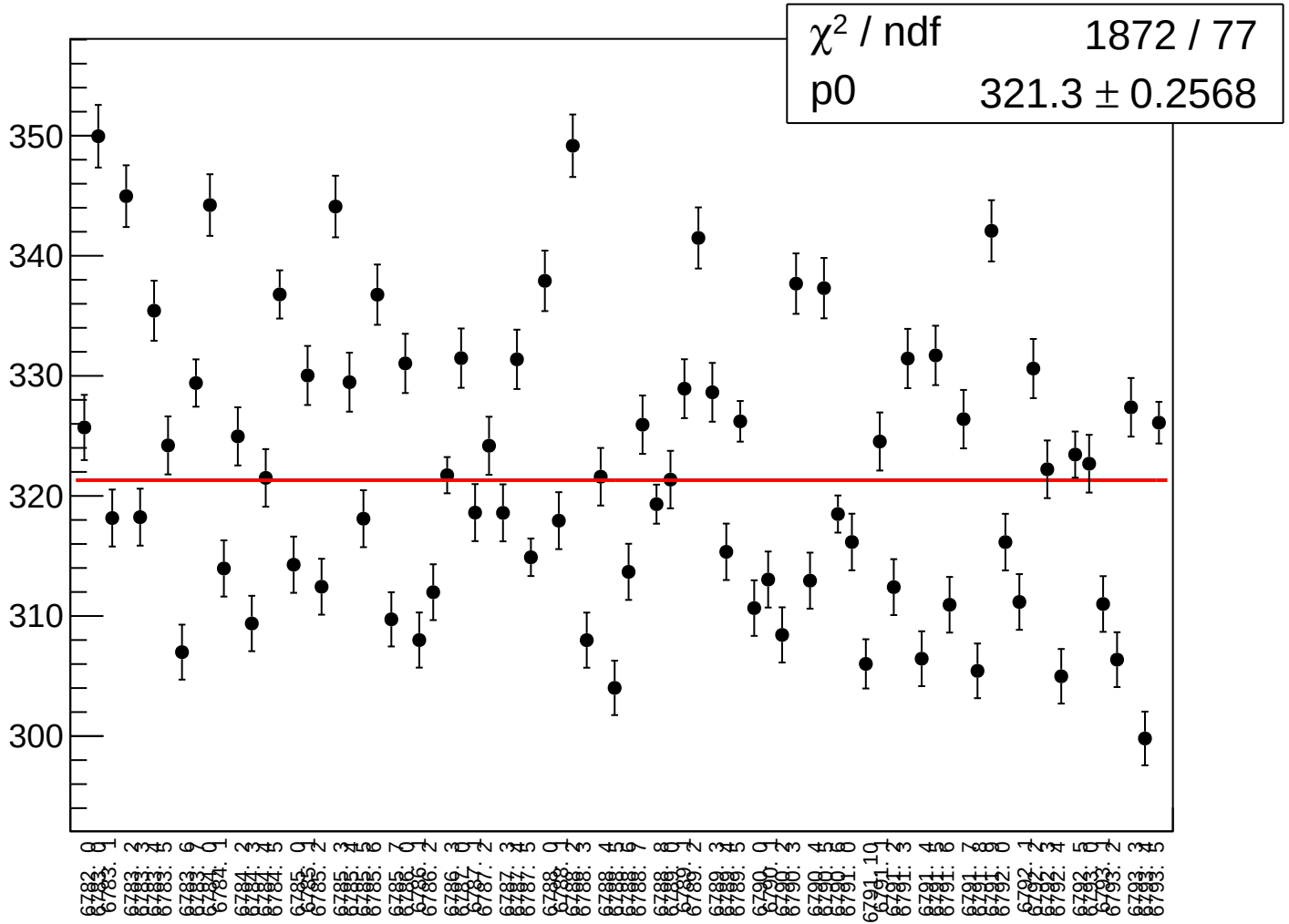

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 73.91 / 77
p0 36.09 ± 85
pull
Entries 78
Mean 42.82
Std Dev 61.75
pull1D
Entries 78
Mean 0.01267
Std Dev 0.9733

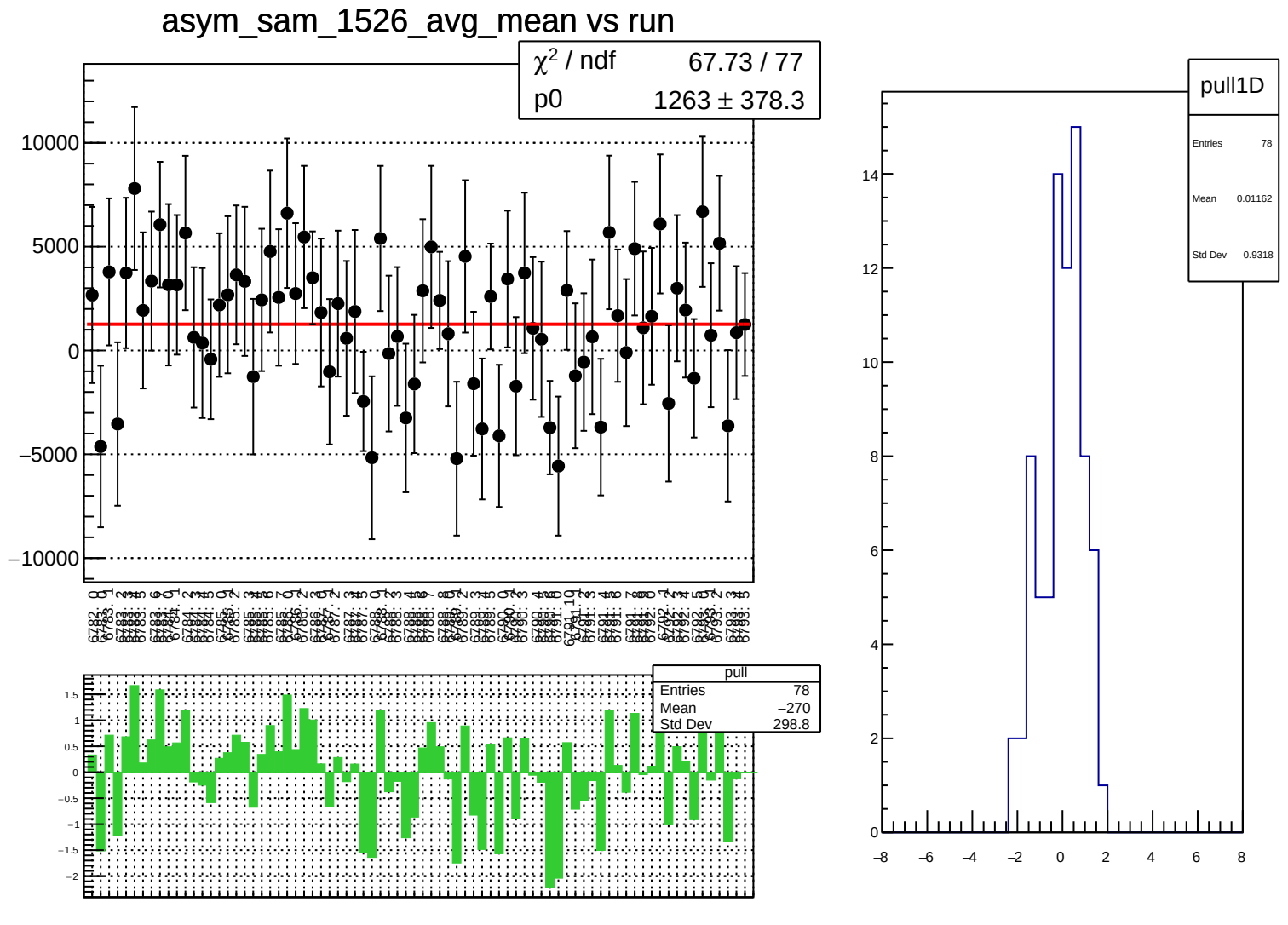
dit_asym_sam_1526_avg_rms vs run



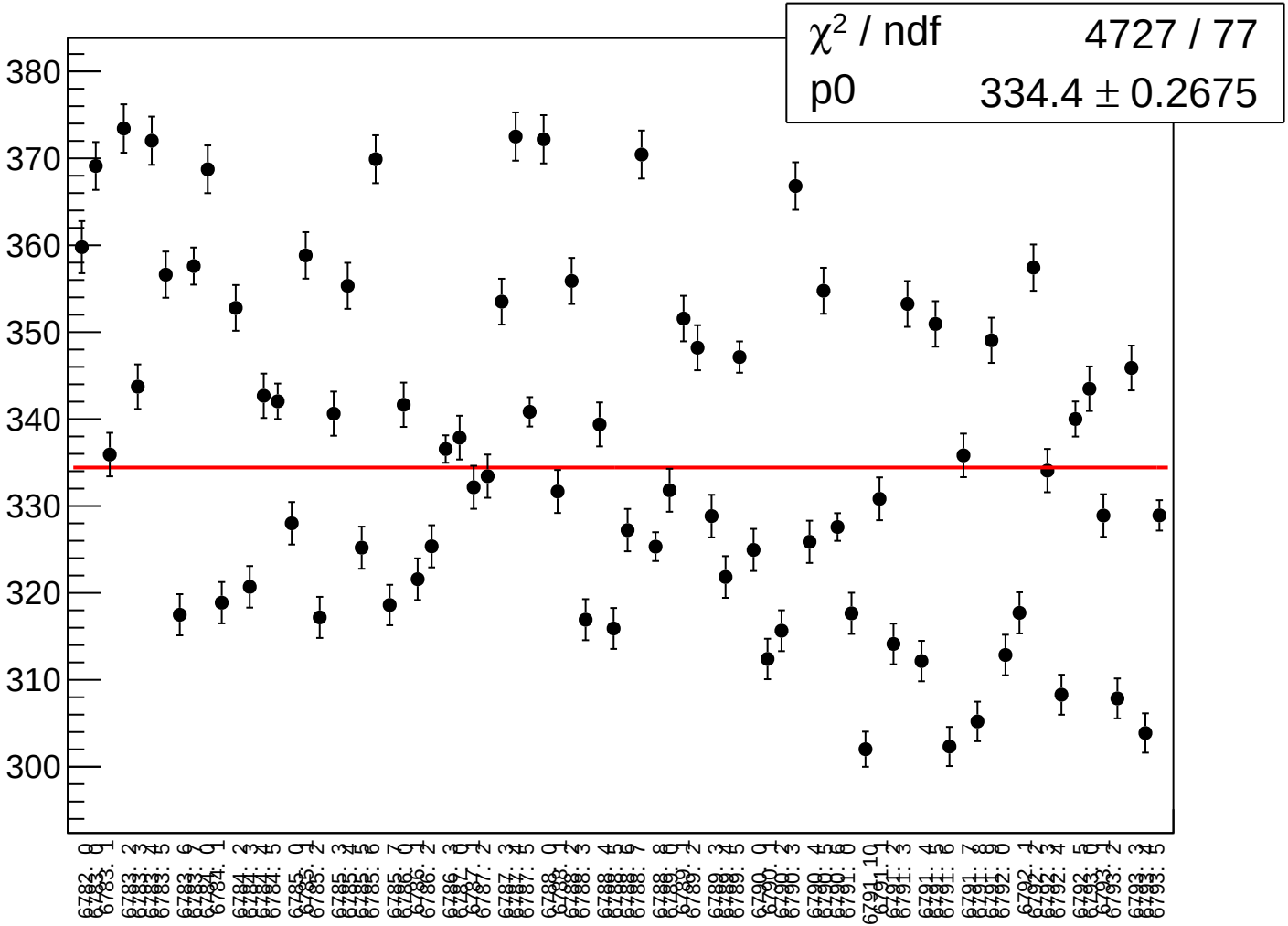

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 68.62 / 77
p0 −1229 ± 363.2
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −376.5
Std Dev 407.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.009201
Std Dev 0.9379
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

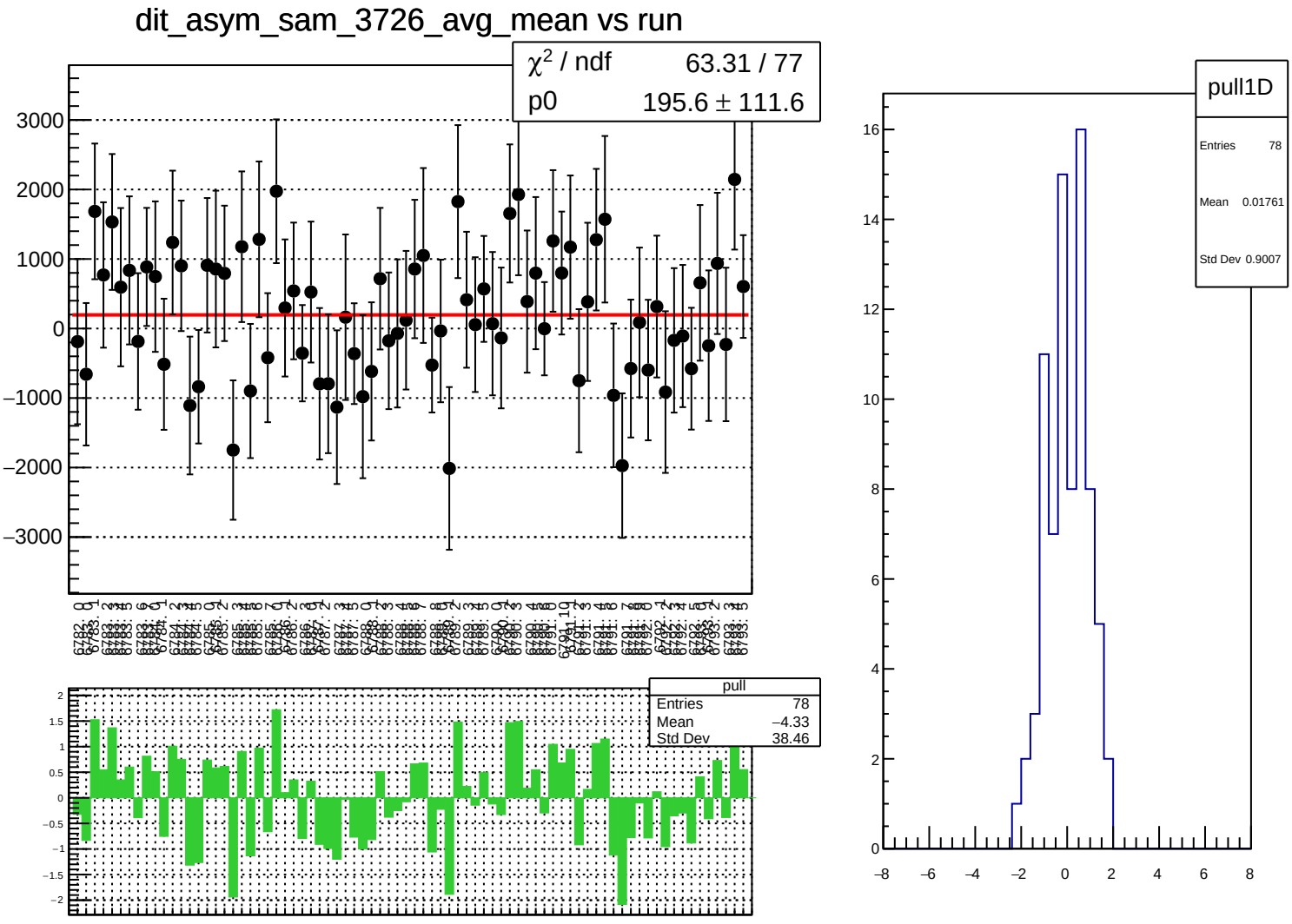
asym_sam_1526_avg_correction_rms vs run



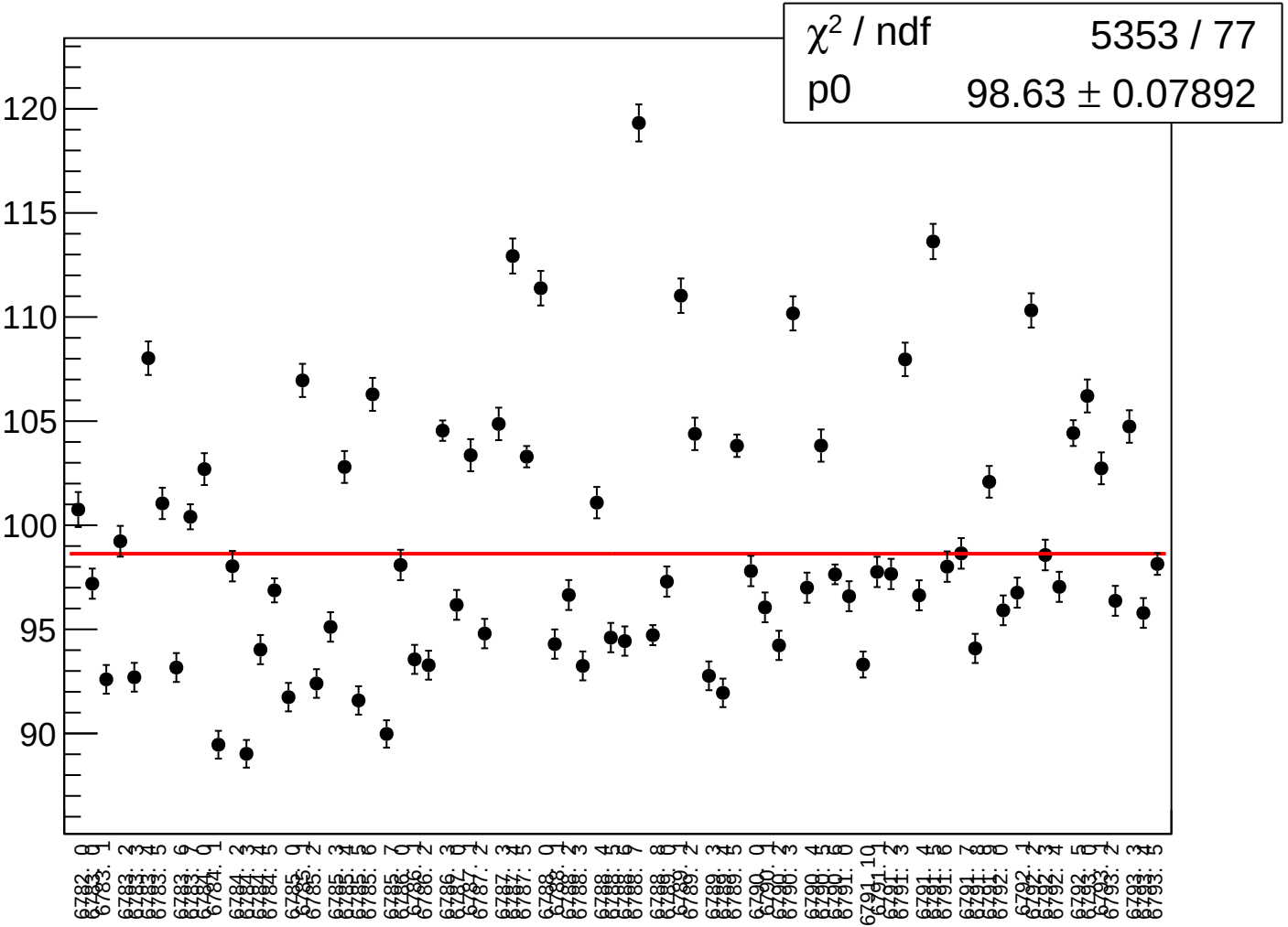

asym_sam_1526_avg_mean vs run
χ² / ndf 67.73 / 77
p0 1263 ± 378.3
pull
Entries 78
Mean −270
Std Dev 298.8
pull1D
Entries 78
Mean 0.01162
Std Dev 0.9318

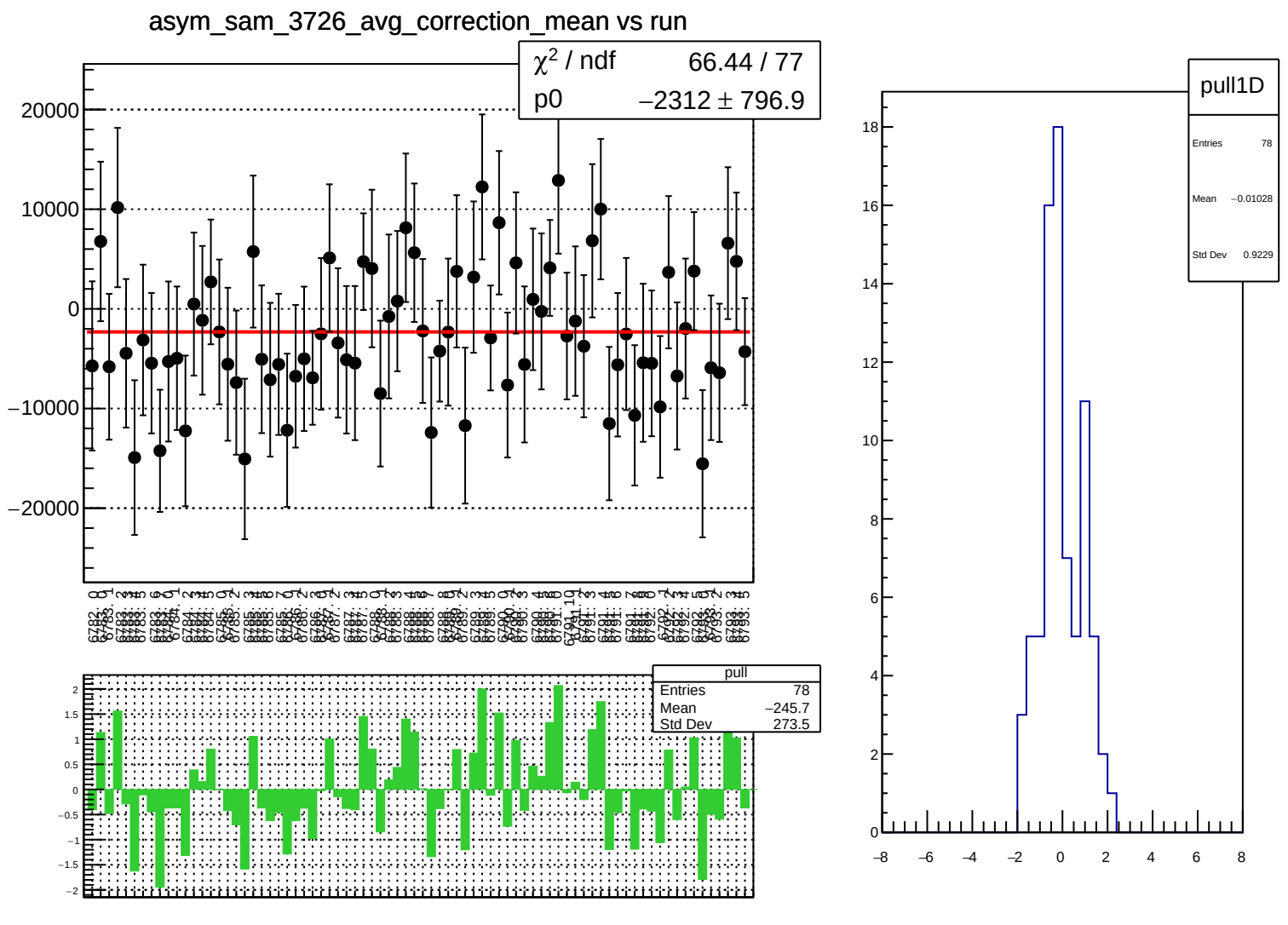
asym_sam_1526_avg_rms vs run

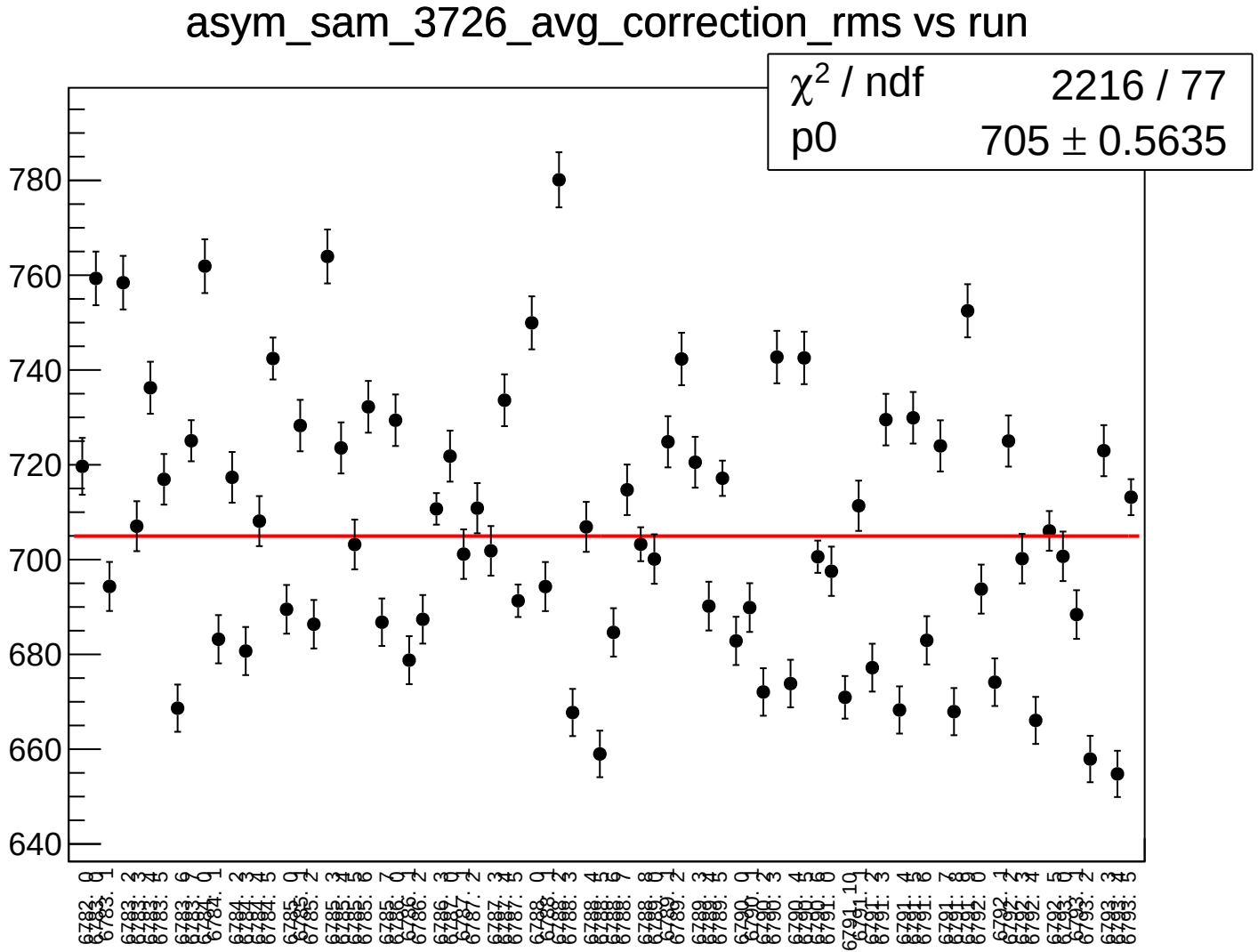


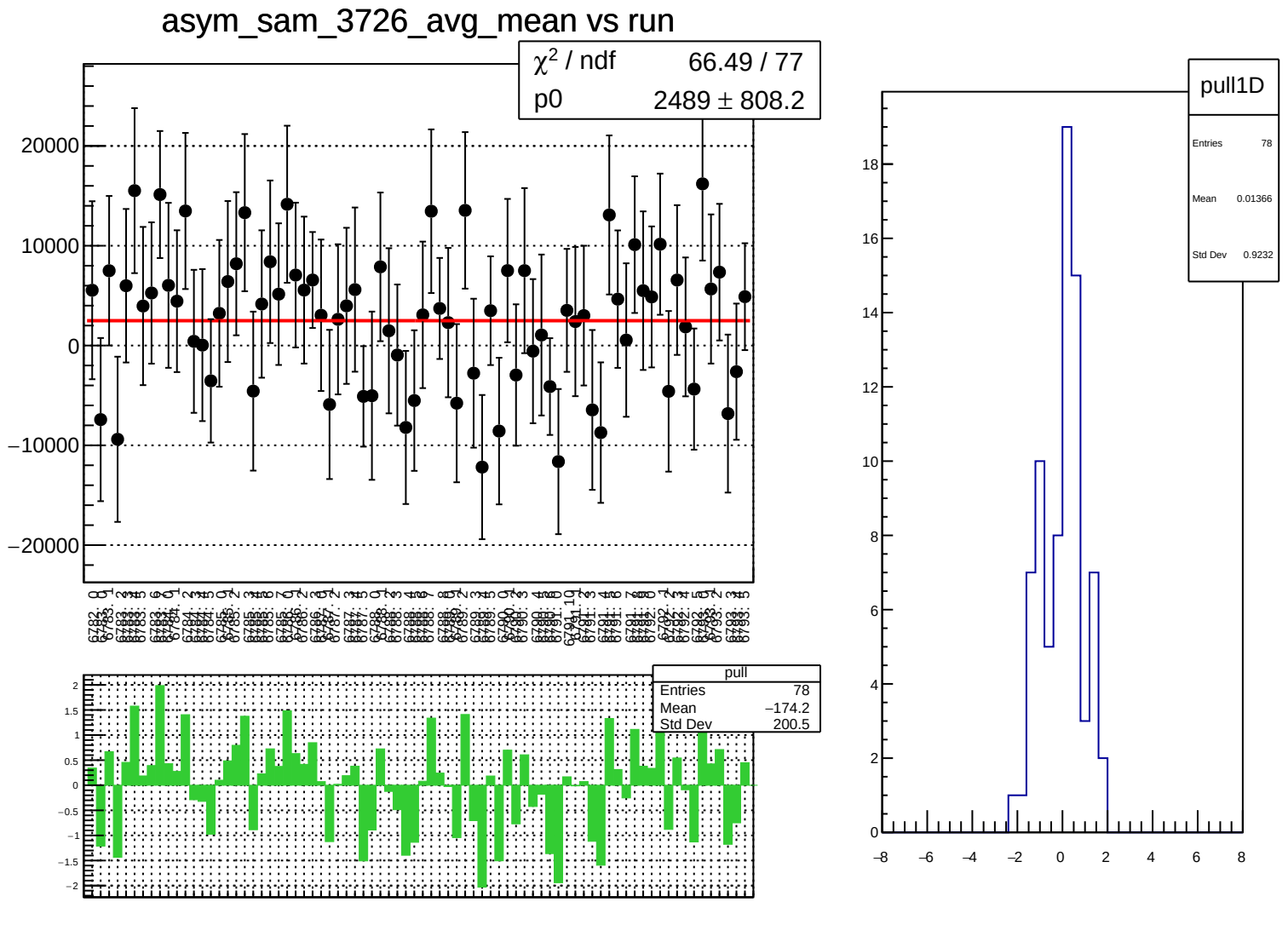

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 63.31 / 77
p0 195.6 ± 111.6
pull
Entries 78
Mean −4.33
Std Dev 38.46
pull1D
Entries 78
Mean 0.01761
Std Dev 0.9007

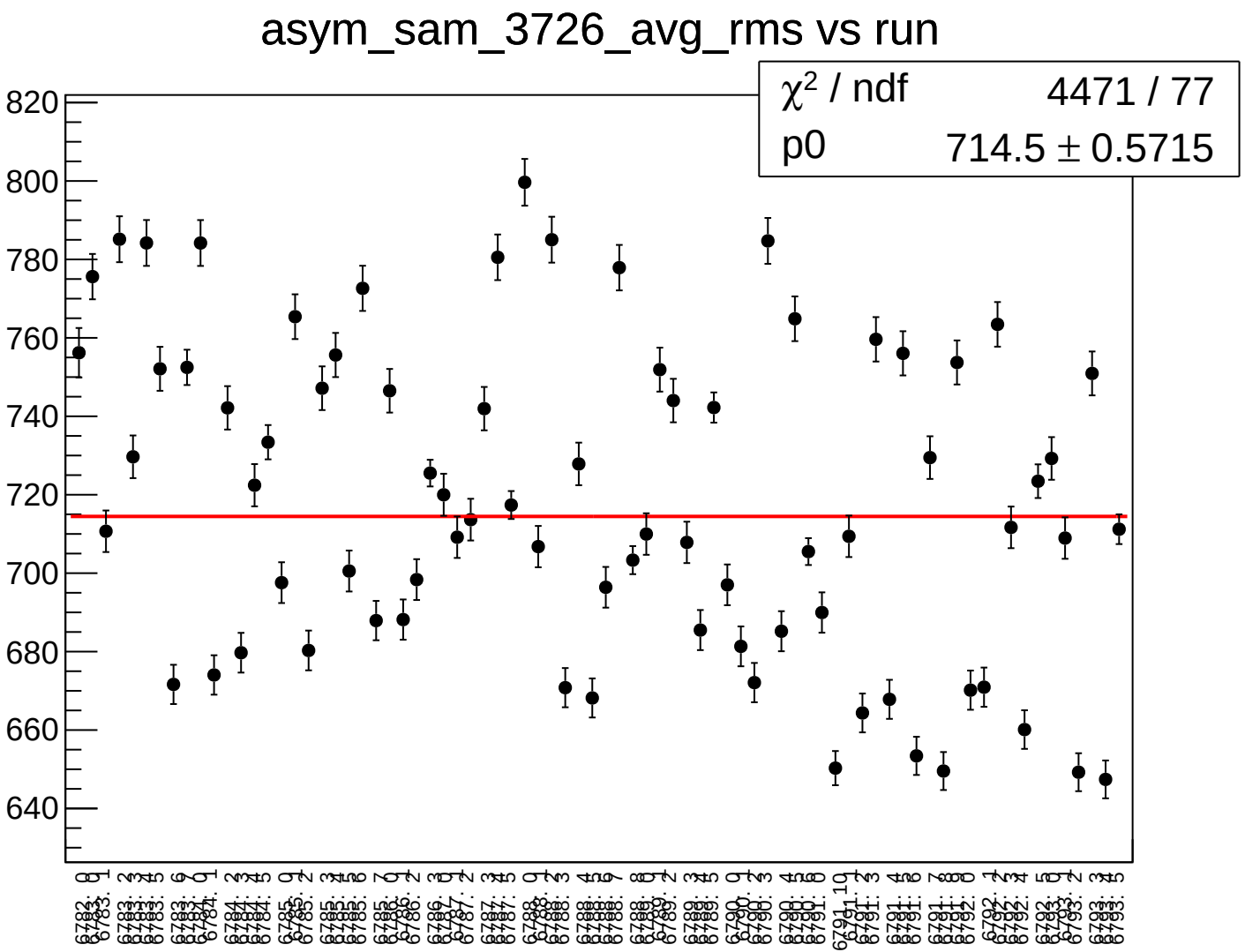
dit_asym_sam_3726_avg_rms vs run

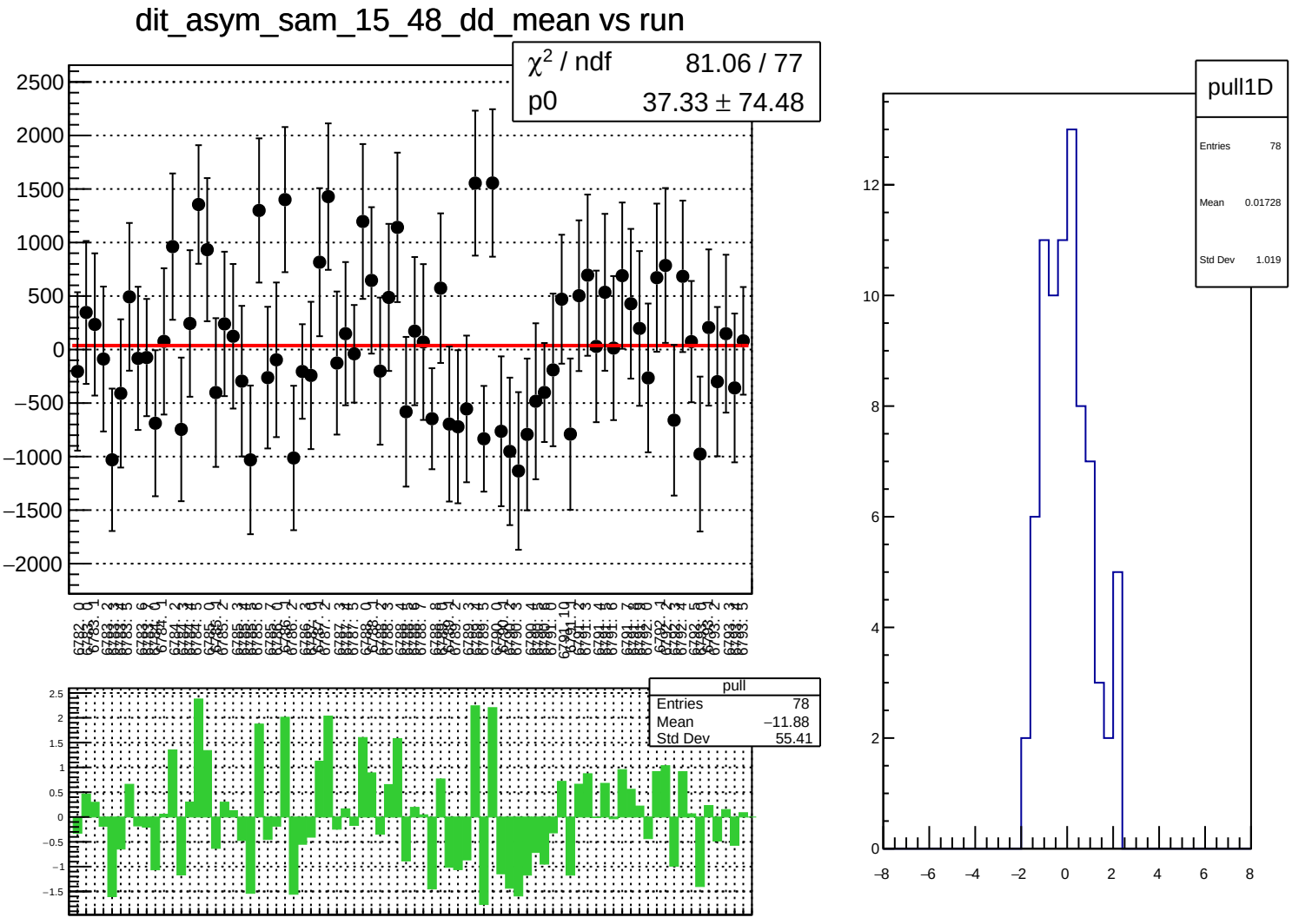



asym_sam_3726_avg_correction_mean vs run
χ² / ndf 66.44 / 77
p0 −2312 ± 796.9
pull
Entries 78
Mean −245.7
Std Dev 273.5
pull1D
Entries 78
Mean −0.01028
Std Dev 0.9229

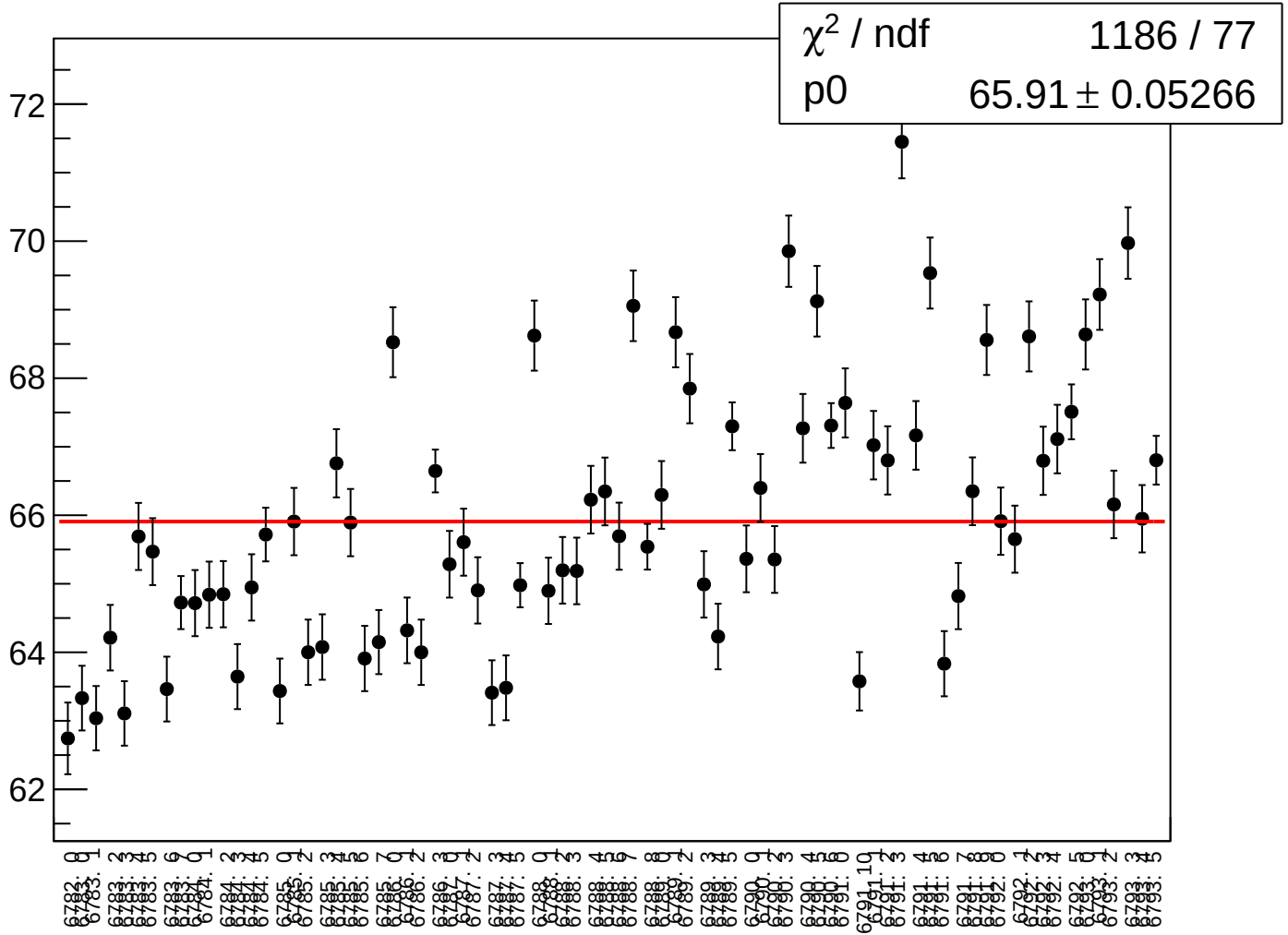

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2216 / 77
p0 705 ± 0.5635
780
760
740
720
700
680
660
640

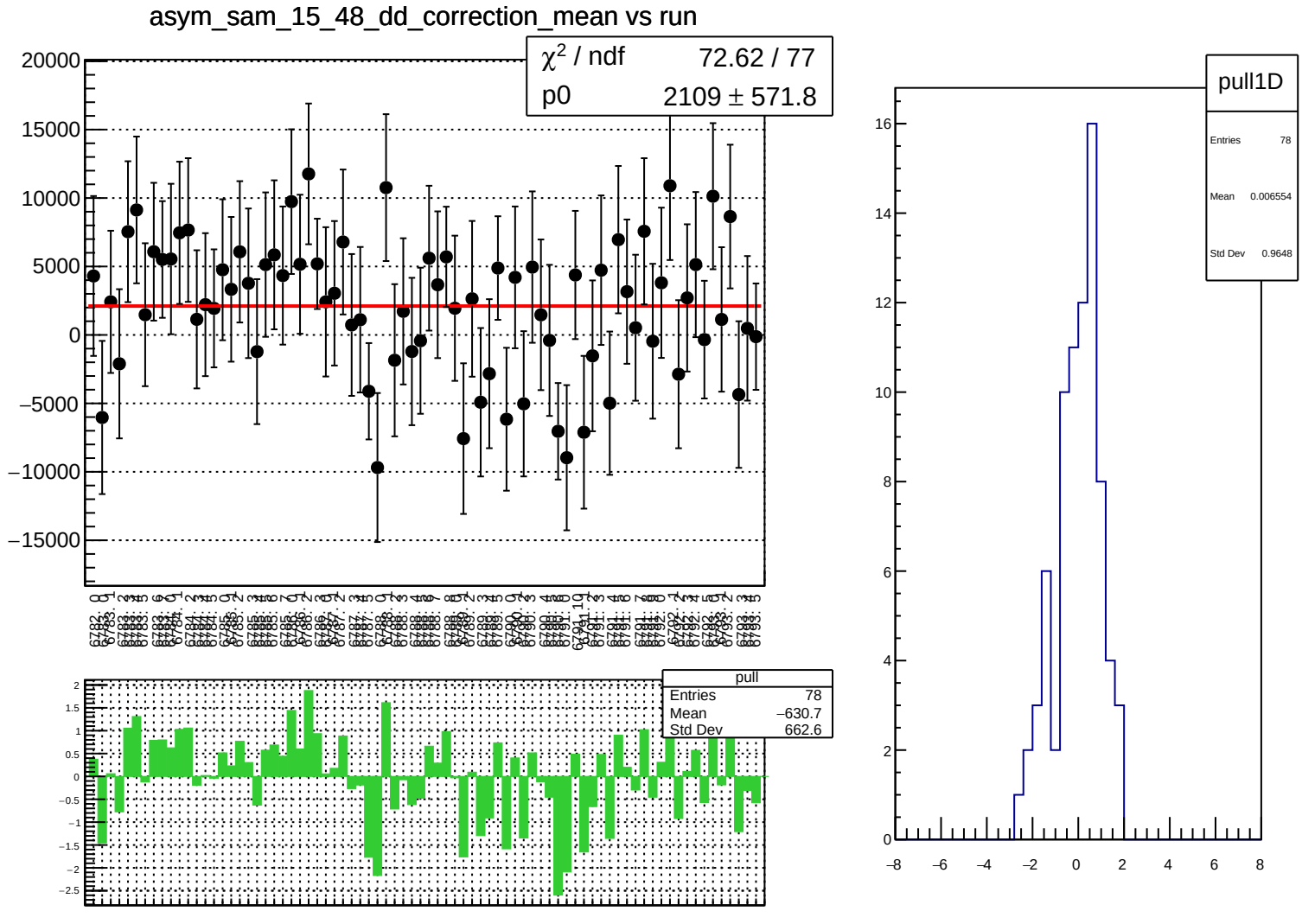

asym_sam_3726_avg_mean vs run
χ² / ndf 66.49 / 77
p0 2489 ± 808.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −174.2
Std Dev 200.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.01366
Std Dev 0.9232
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

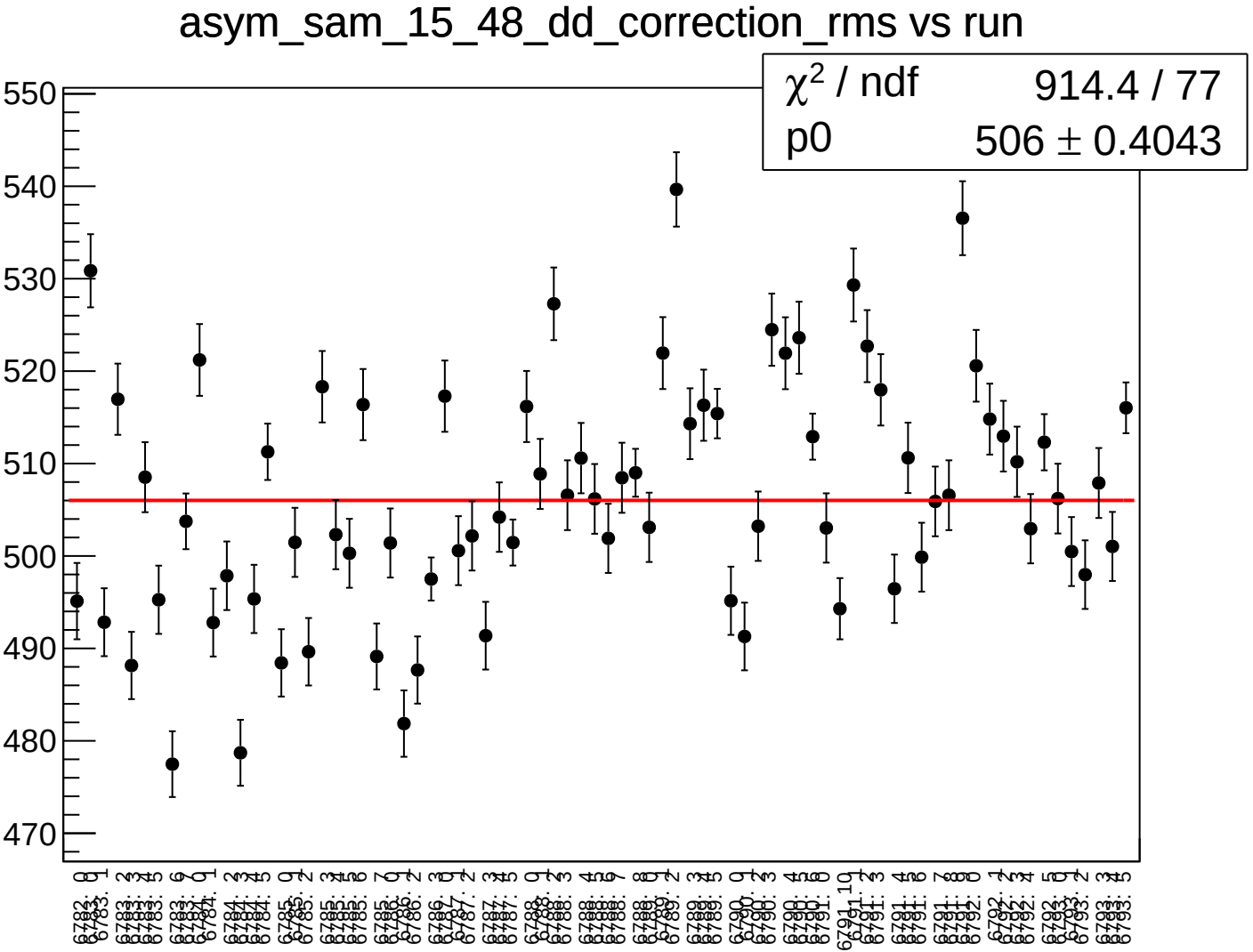

asym_sam_3726_avg_rms vs run
χ^2 / ndf 4471 / 77
p0 714.5 ± 0.5715
820
800
780
760
740
720
700
680
660
640

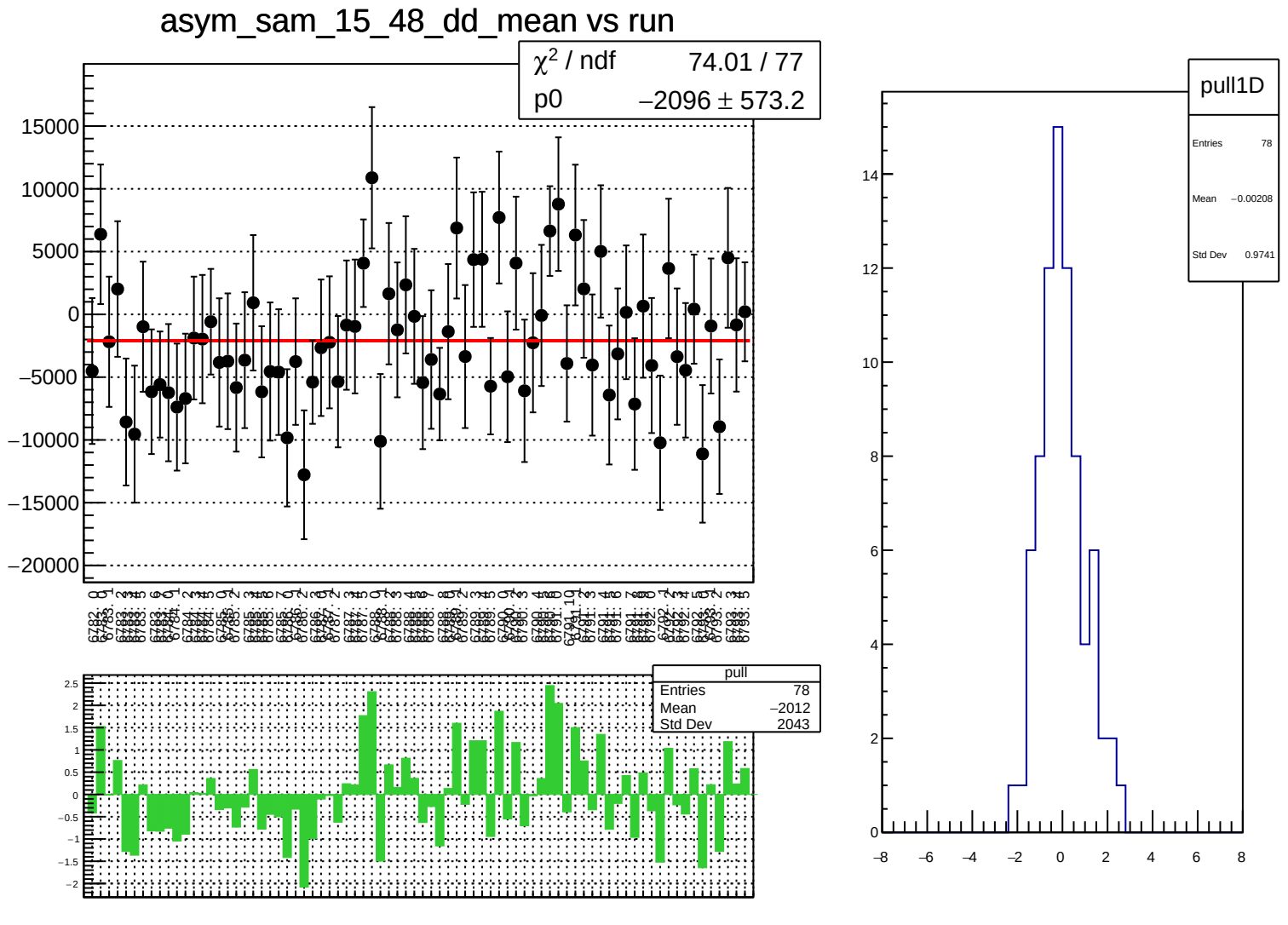

dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 81.06 / 77
p0 37.33 ± 74.48
pull
Entries 78
Mean −11.88
Std Dev 55.41
pull1D
Entries 78
Mean 0.01728
Std Dev 1.019

dit_asym_sam_15_48_dd_rms vs run

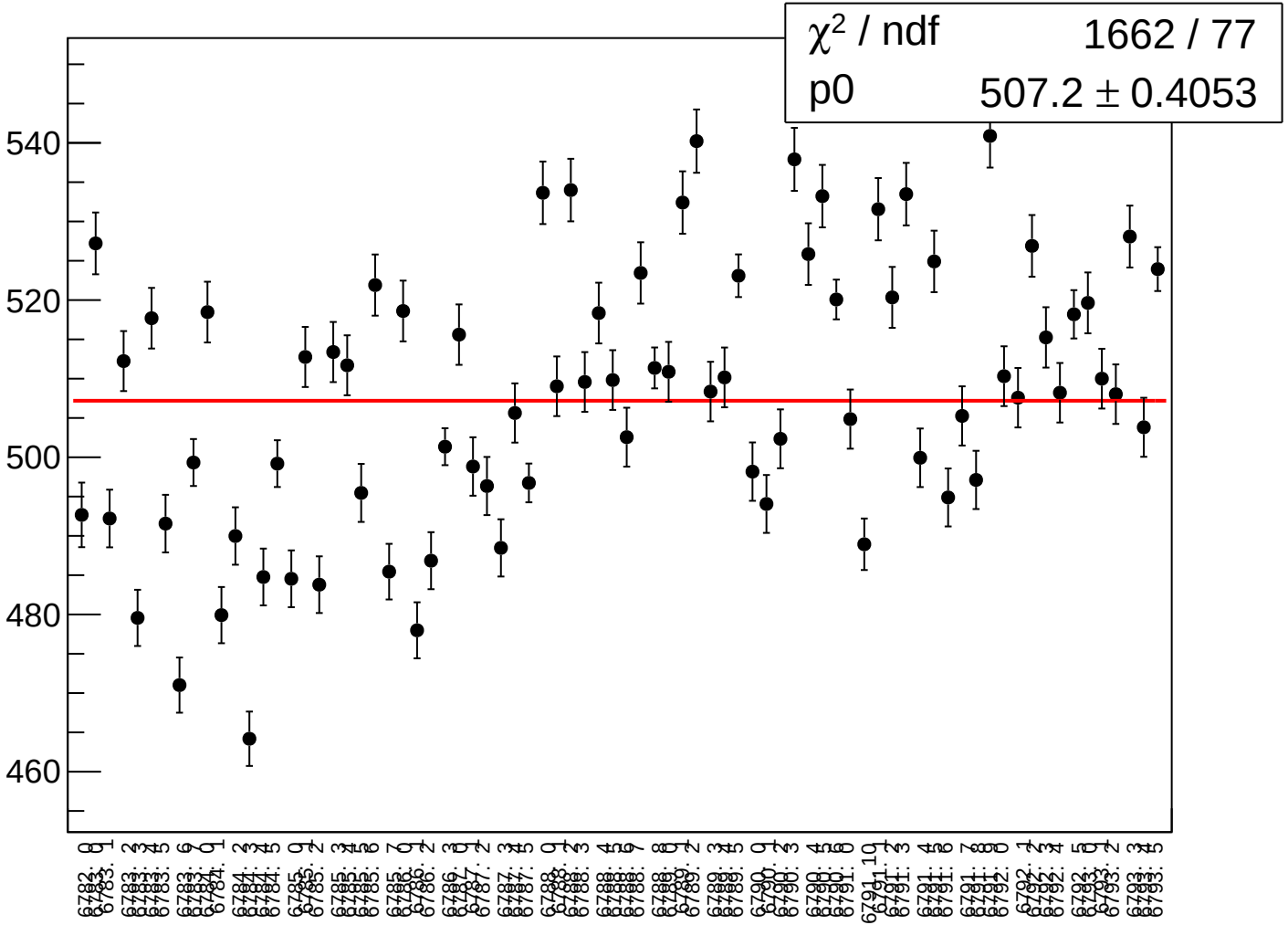


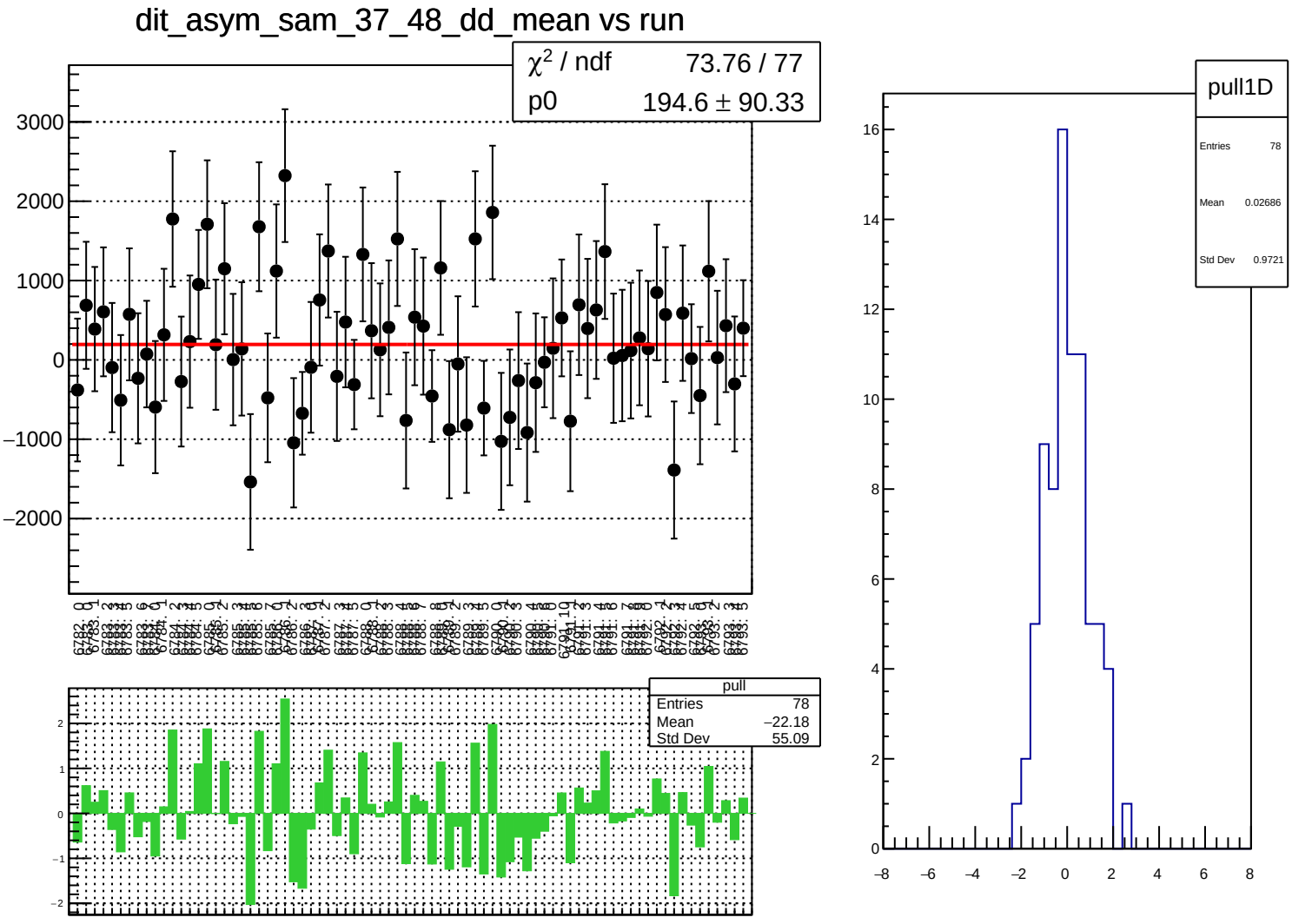

asym_sam_15_48_dd_correction_mean vs run
χ^2 / ndf 72.62 / 77
p0 2109 ± 571.8
pull
Entries 78
Mean −630.7
Std Dev 662.6
pull1D
Entries 78
Mean 0.006554
Std Dev 0.9648


asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 914.4 / 77
p0 506 ± 0.4043
550
540
530
520
510
500
490
480
470

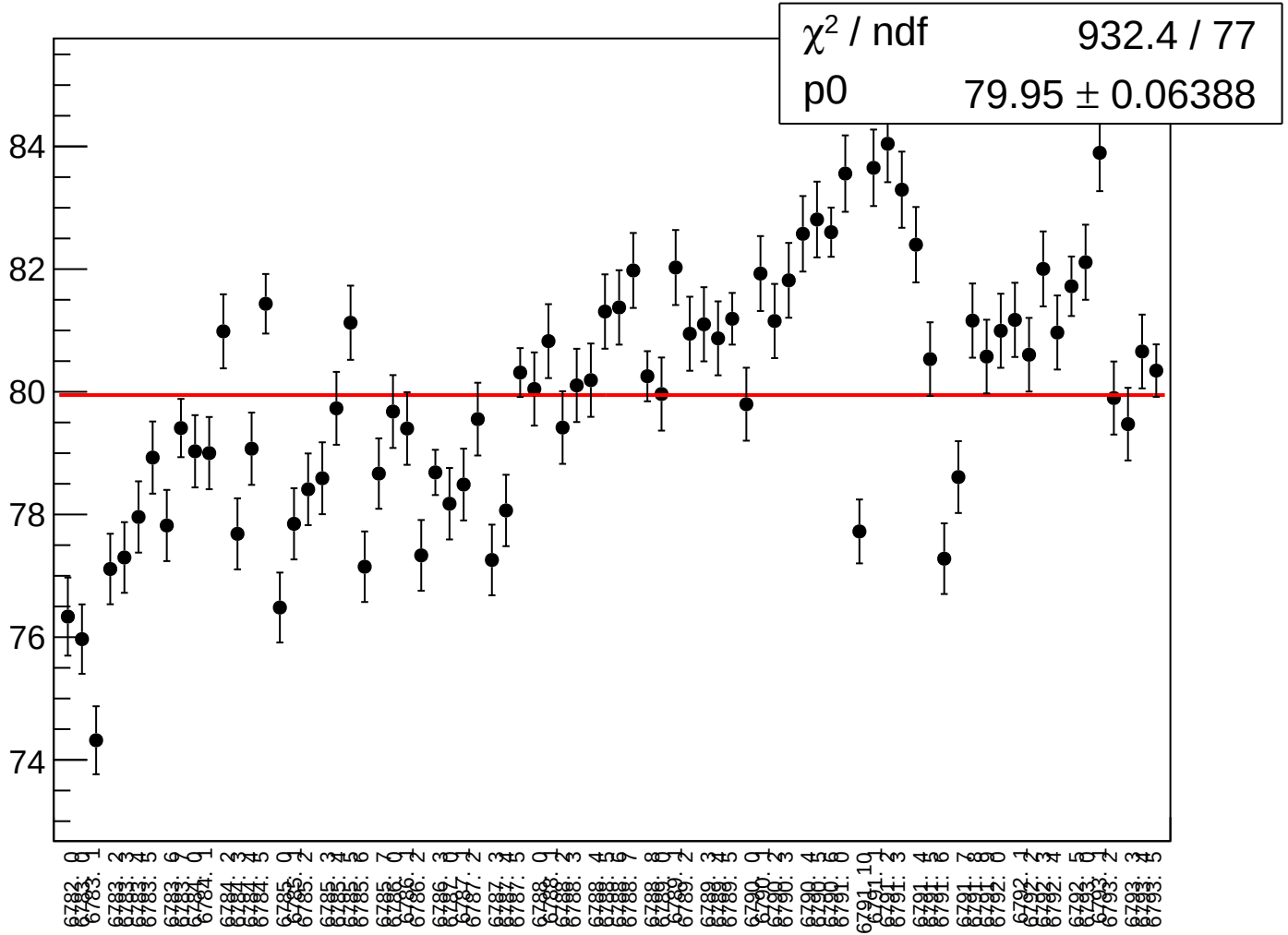

asym_sam_15_48_dd_mean vs run
χ² / ndf 74.01 / 77
p0 −2096 ± 573.2
pull
Entries 78
Mean −2012
Std Dev 2043
pull1D
Entries 78
Mean −0.00208
Std Dev 0.9741

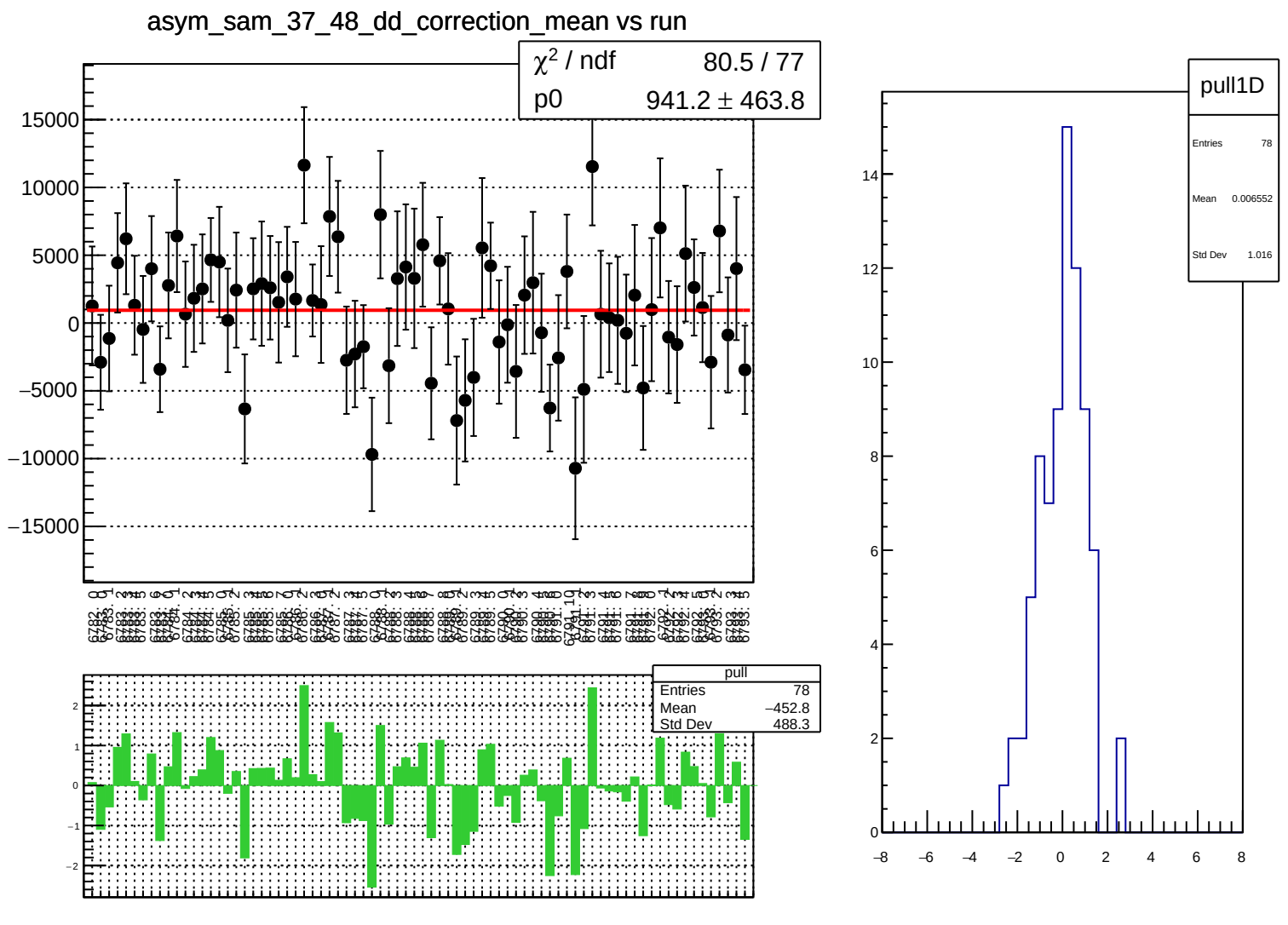
asym_sam_15_48_dd_rms vs run

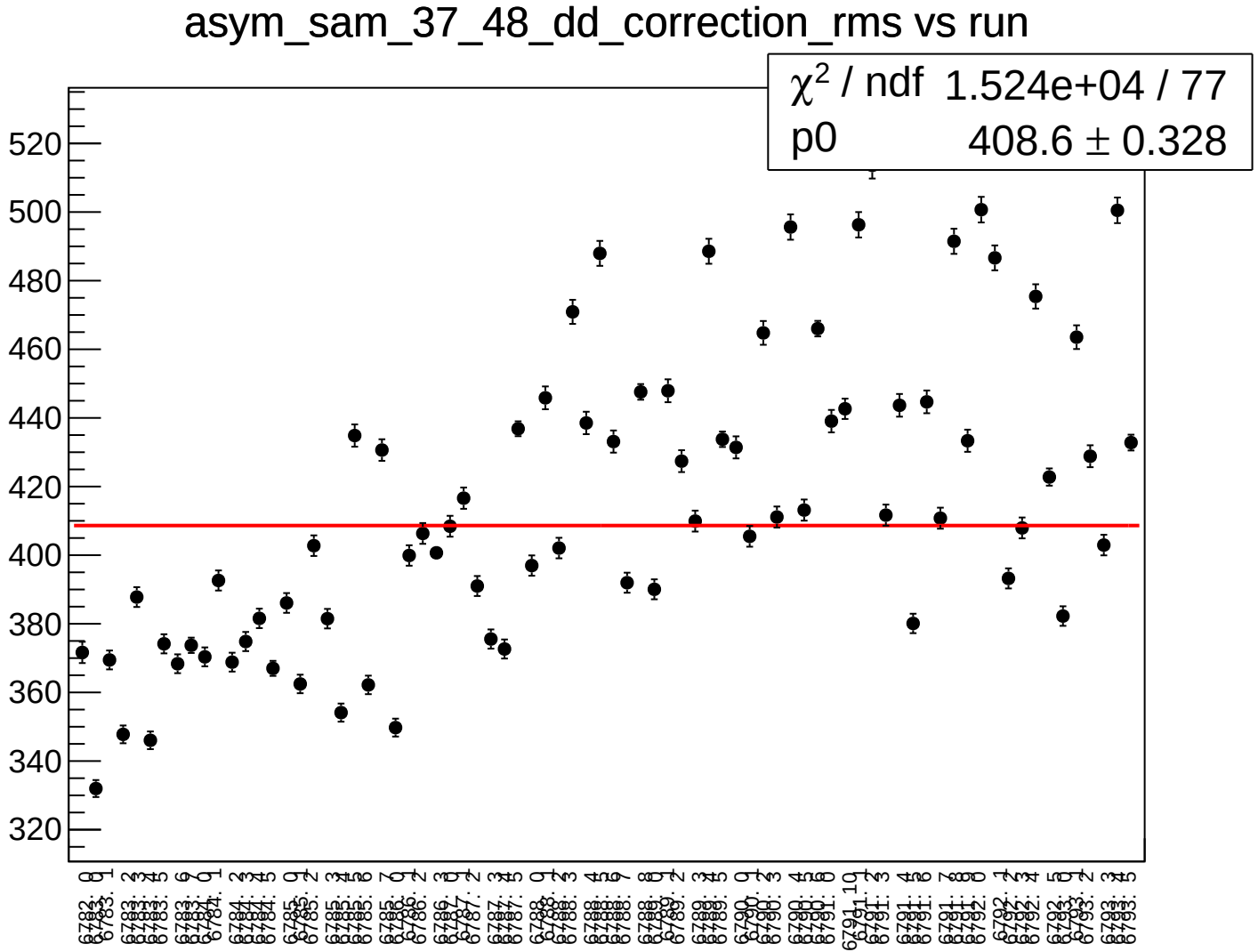


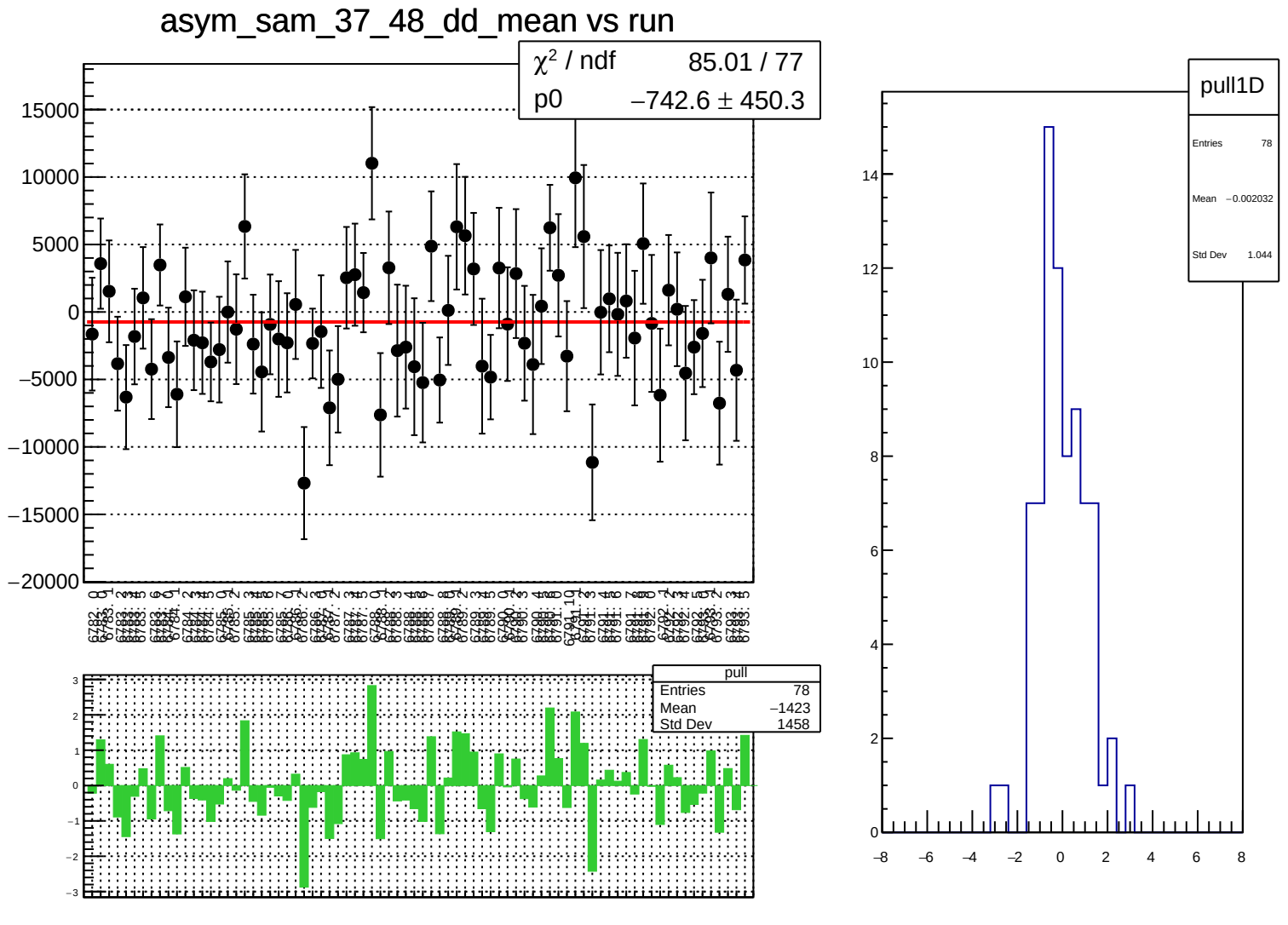

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 73.76 / 77
p0 194.6 ± 90.33
pull
Entries 78
Mean −22.18
Std Dev 55.09
pull1D
Entries 78
Mean 0.02686
Std Dev 0.9721

dit_asym_sam_37_48_dd_rms vs run

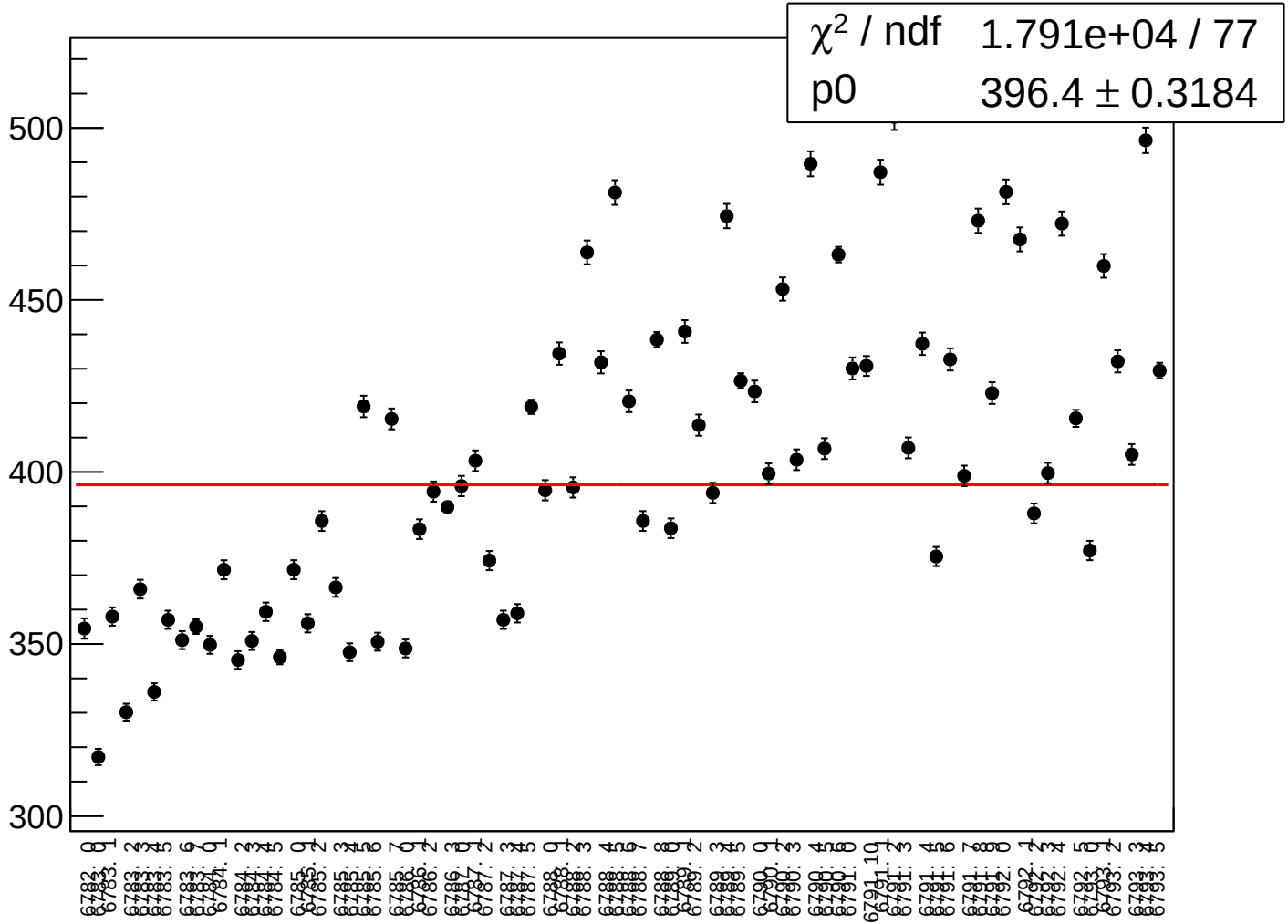


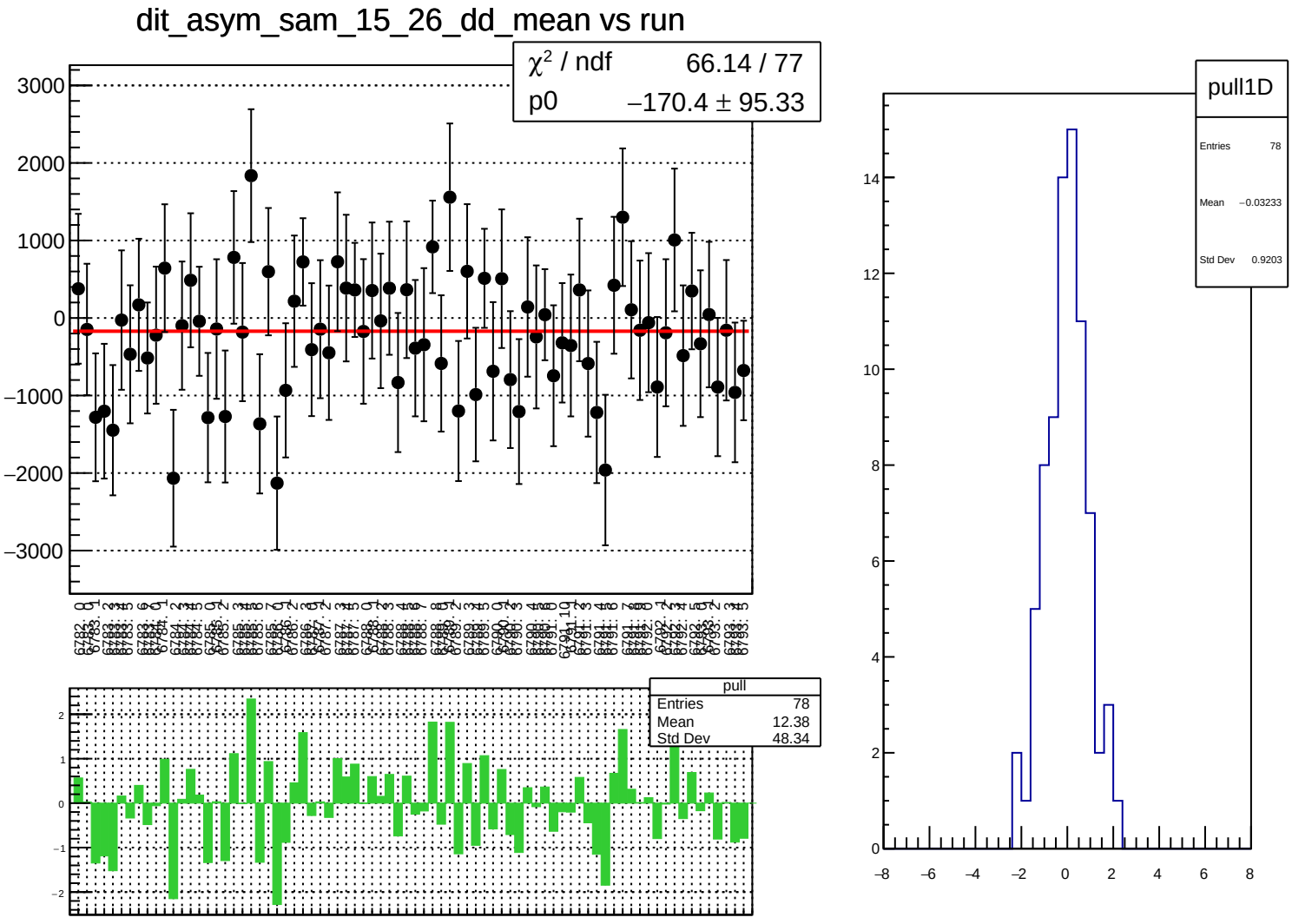

asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 80.5 / 77
p0 941.2 ± 463.8
pull
Entries 78
Mean −452.8
Std Dev 488.3
pull1D
Entries 78
Mean 0.006552
Std Dev 1.016


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 1.524e+04 / 77
p0 408.6 ± 0.328
520
500
480
460
440
420
400
380
360
340
320

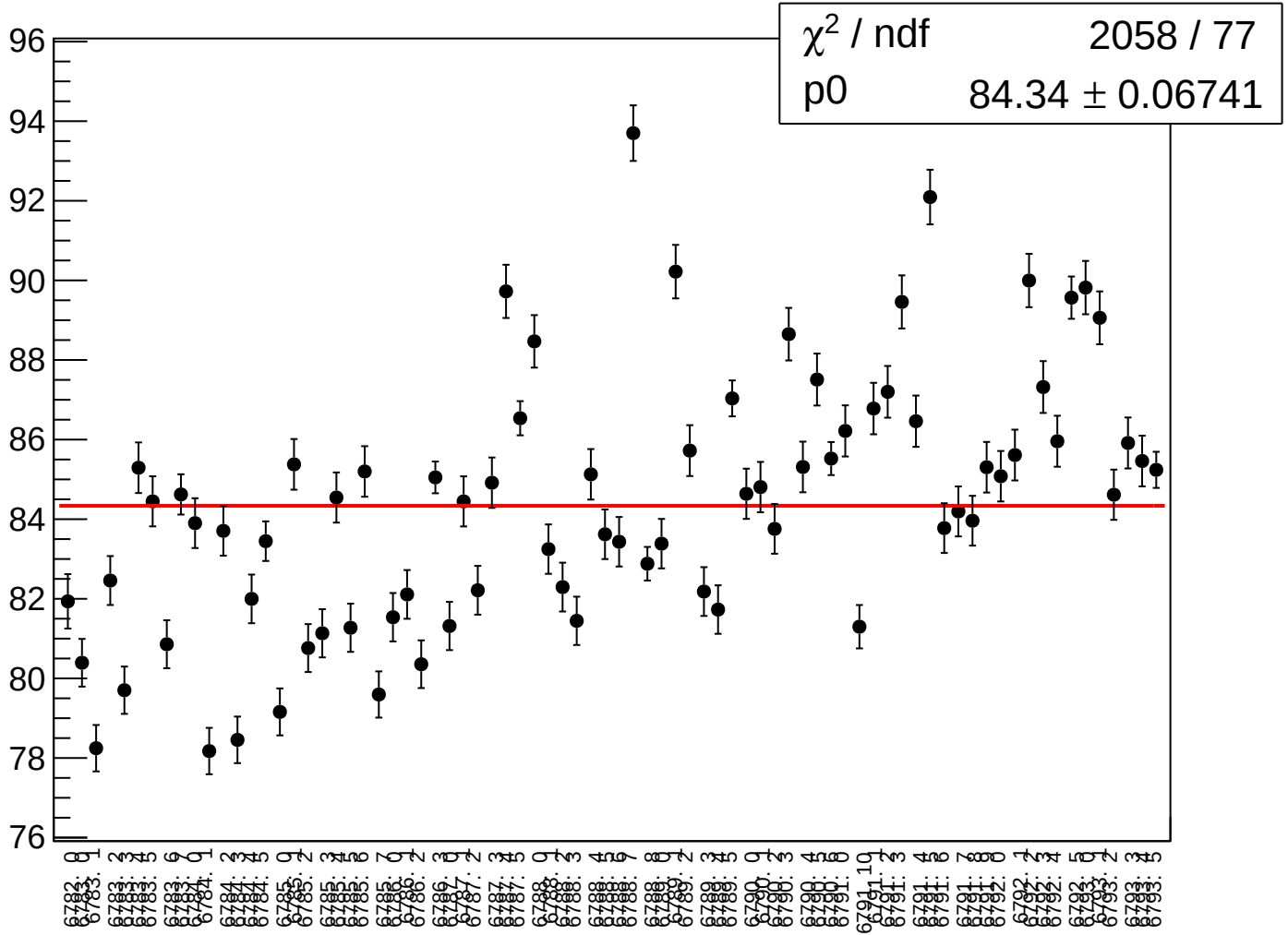

asym_sam_37_48_dd_mean vs run
χ² / ndf 85.01 / 77
p0 −742.6 ± 450.3
pull
Entries 78
Mean −1423
Std Dev 1458
pull1D
Entries 78
Mean −0.002032
Std Dev 1.044

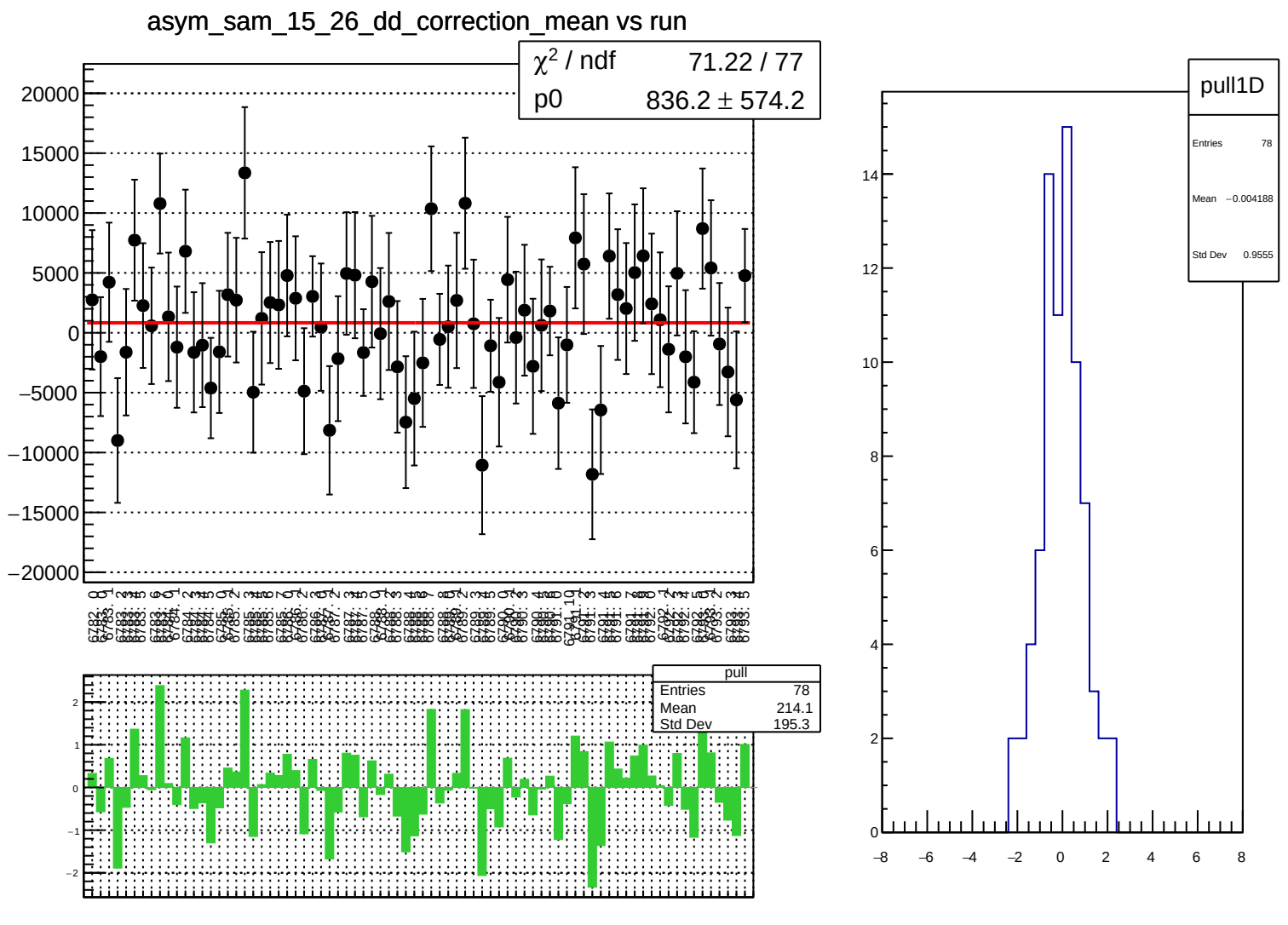
asym_sam_37_48_dd_rms vs run

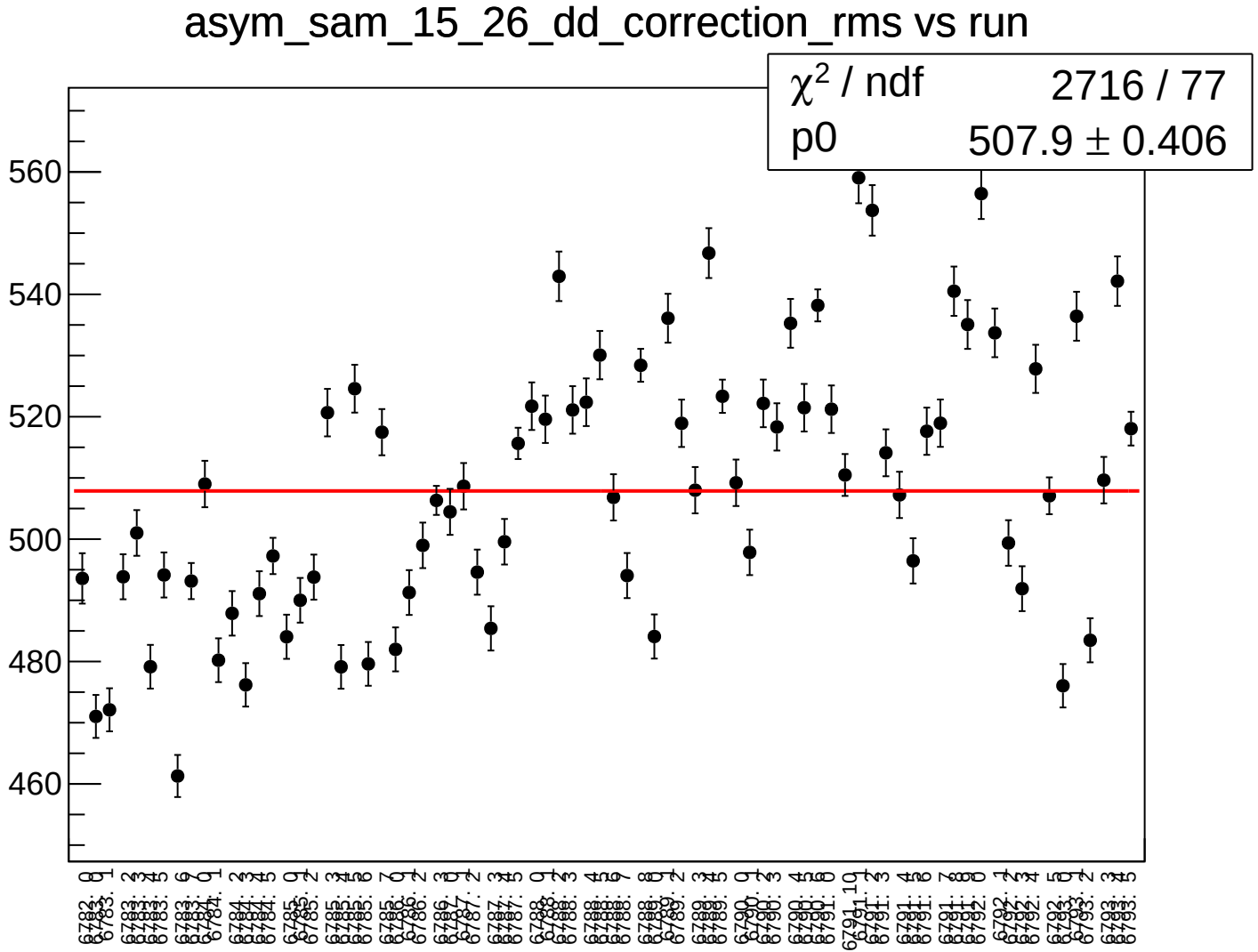


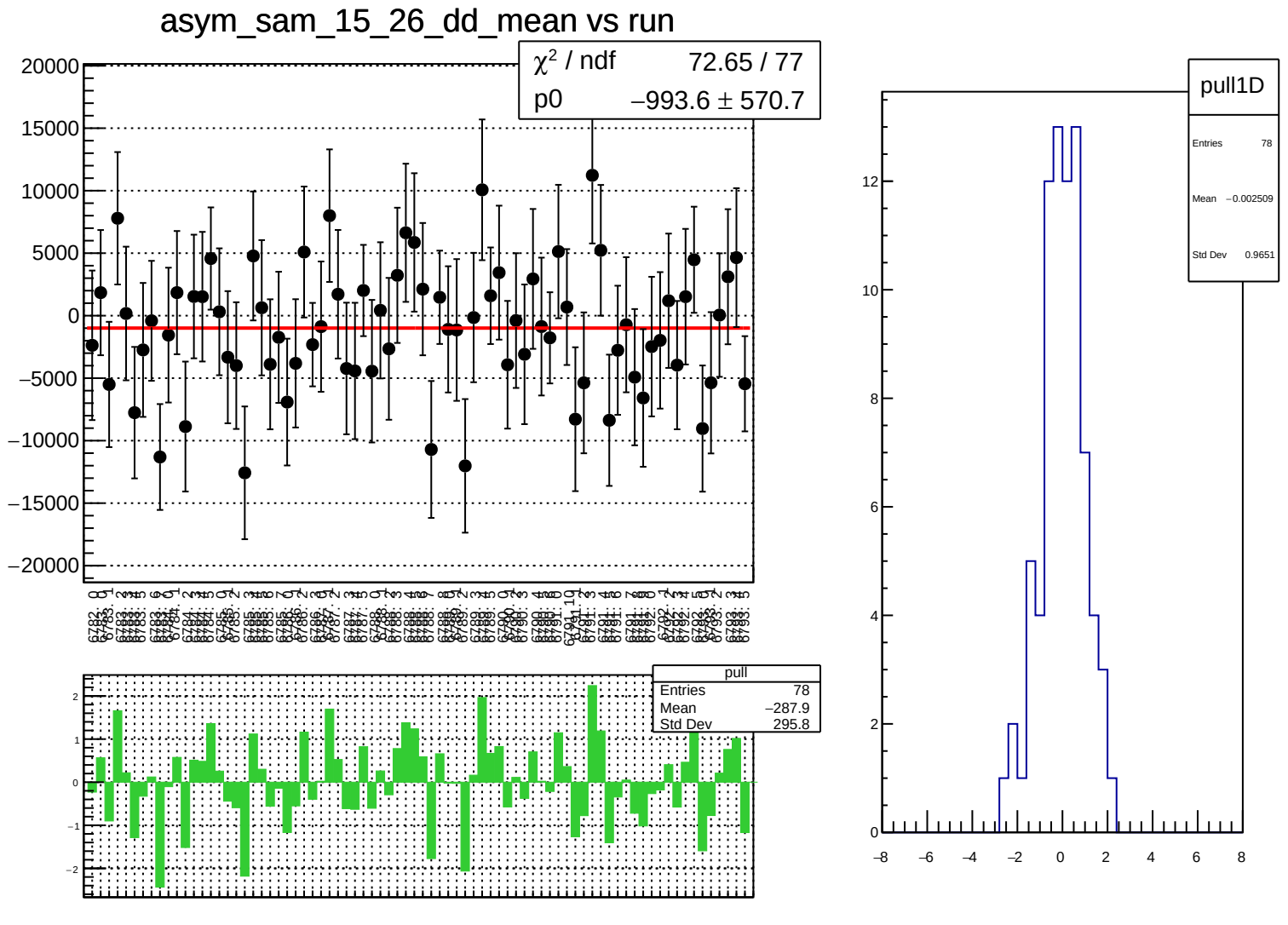

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 66.14 / 77
p0 −170.4 ± 95.33
pull
Entries 78
Mean 12.38
Std Dev 48.34
pull1D
Entries 78
Mean −0.03233
Std Dev 0.9203

dit_asym_sam_15_26_dd_rms vs run

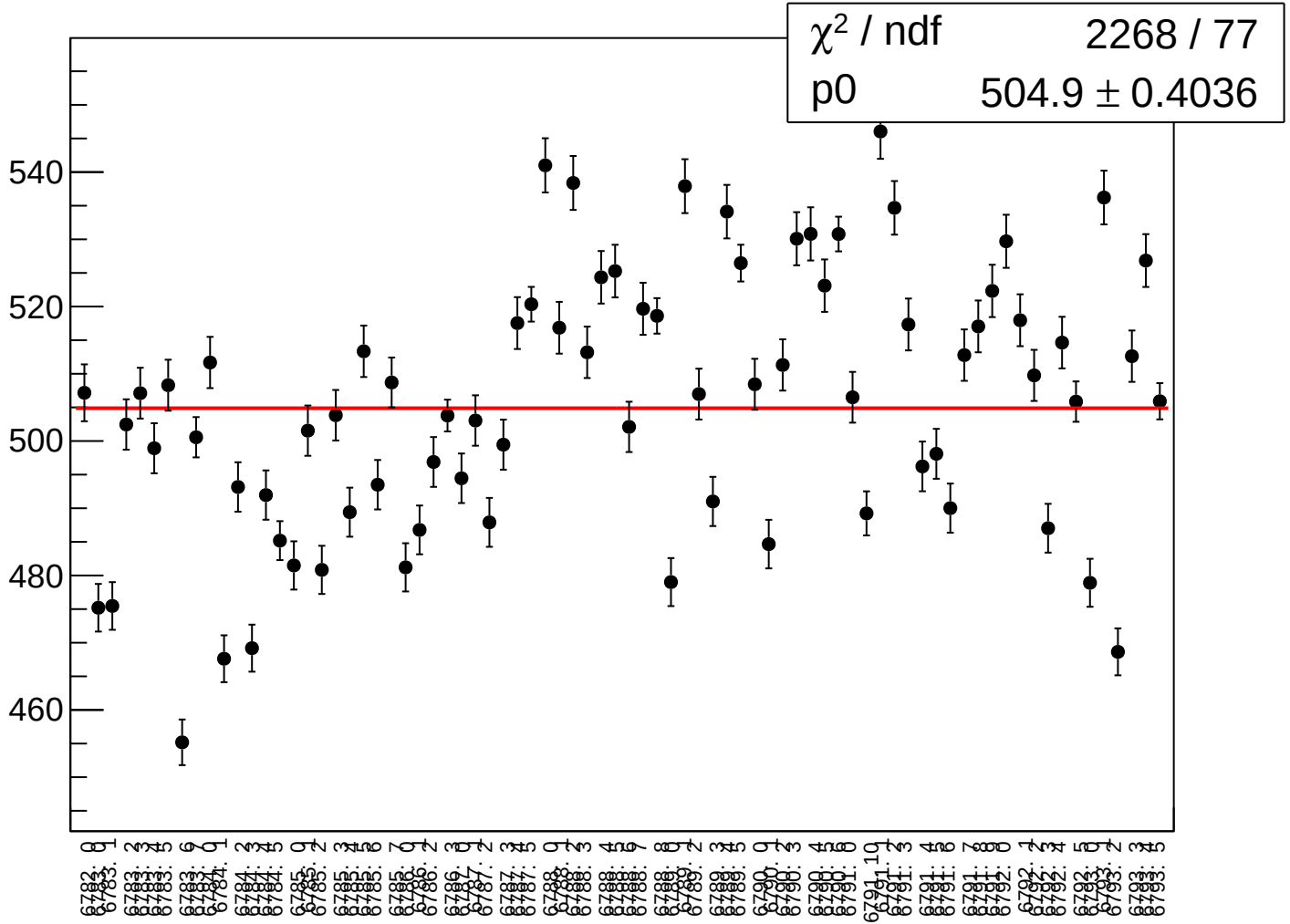


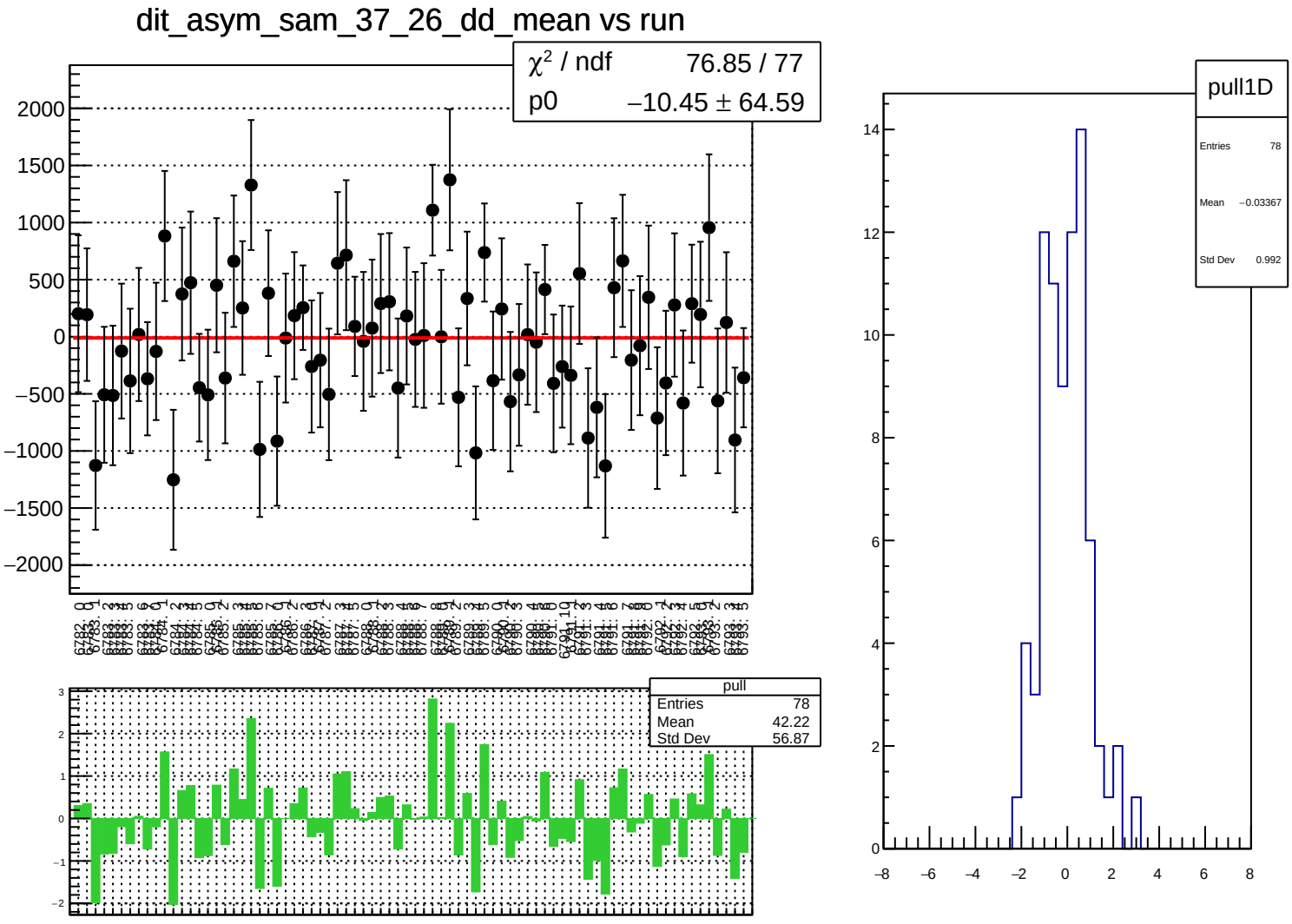

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 71.22 / 77
p0 836.2 ± 574.2
pull
Entries 78
Mean 214.1
Std Dev 195.3
pull1D
Entries 78
Mean −0.004188
Std Dev 0.9555


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 2716 / 77
p0 507.9 ± 0.406
560
540
520
500
480
460

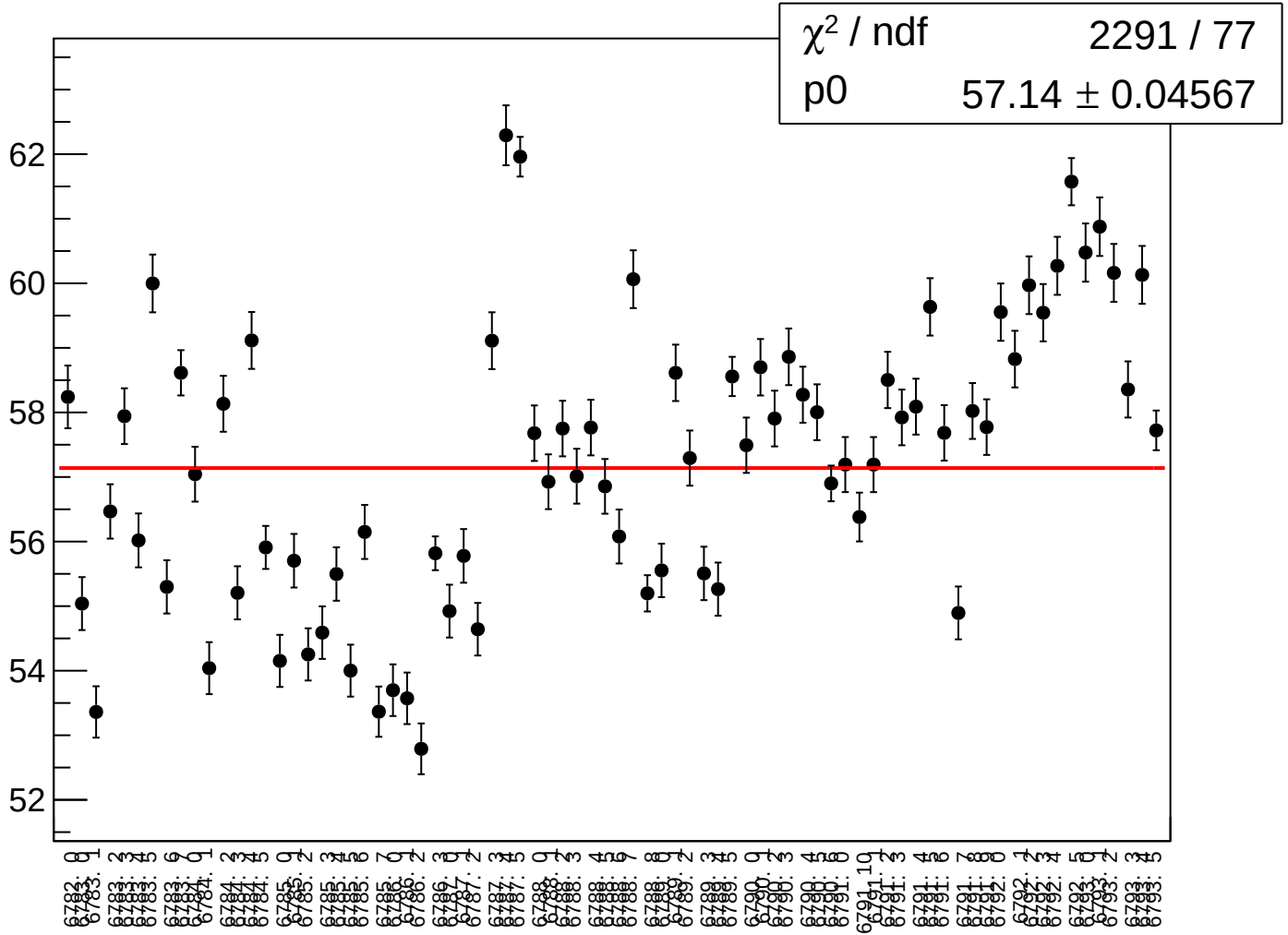

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 72.65 / 77
p0 −993.6 ± 570.7
pull
Entries 78
Mean −287.9
Std Dev 295.8
pull1D
Entries 78
Mean −0.002509
Std Dev 0.9651

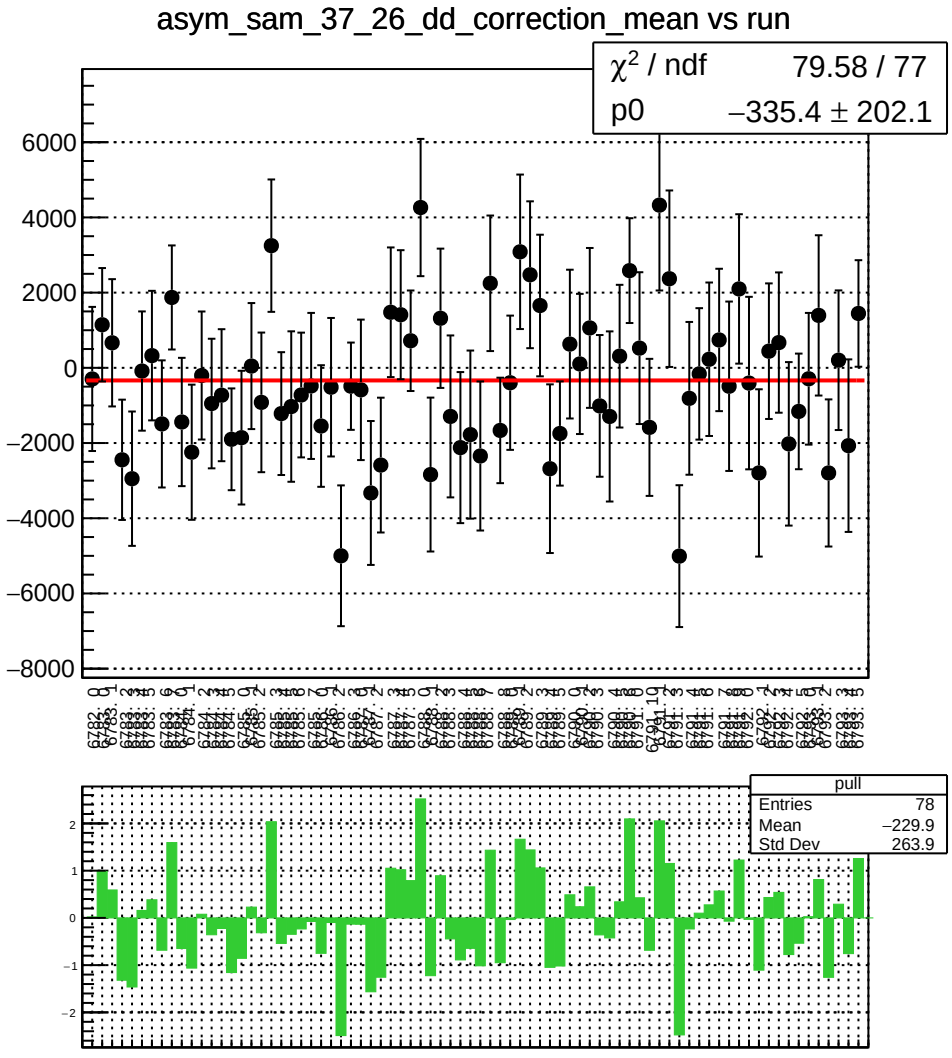
asym_sam_15_26_dd_rms vs run

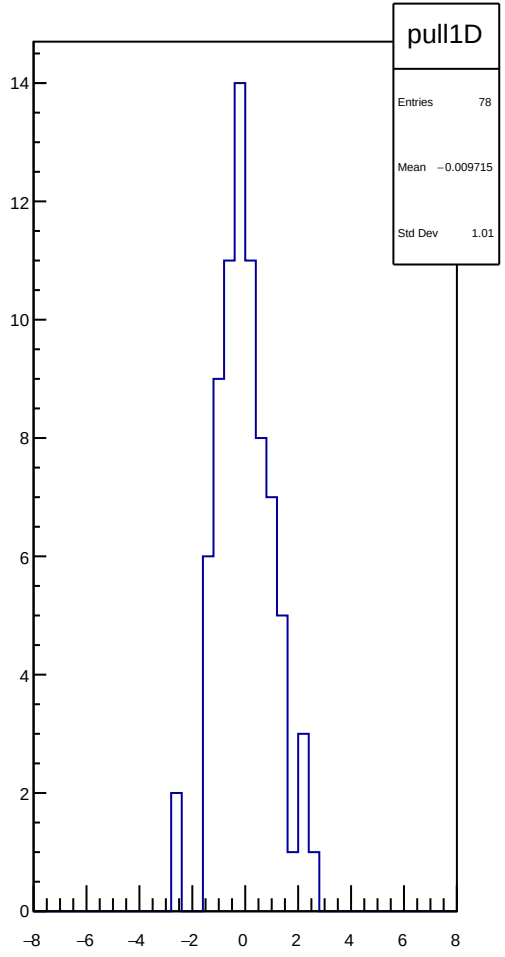


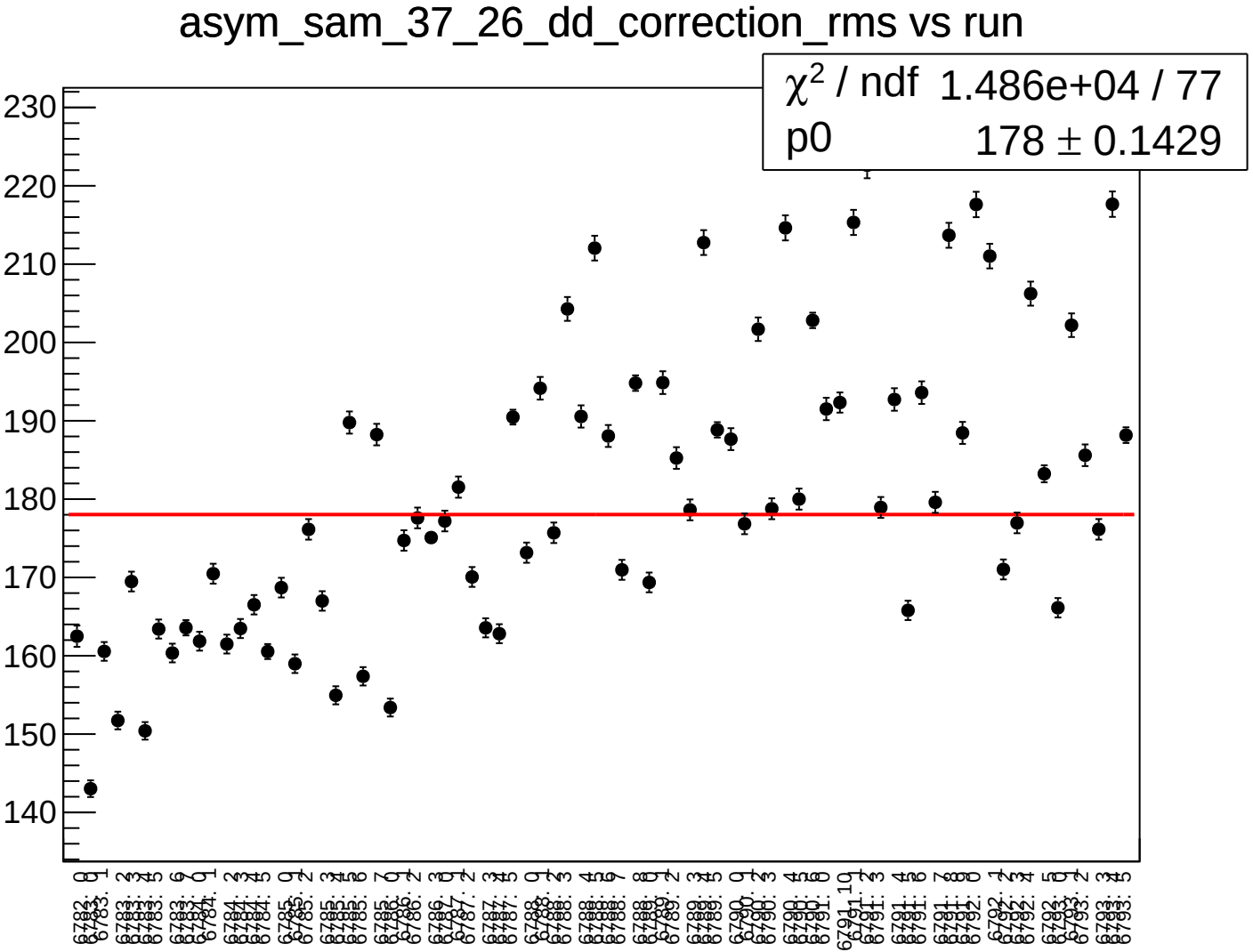

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 76.85 / 77
p0 −10.45 ± 64.59
pull
Entries 78
Mean 42.22
Std Dev 56.87
pull1D
Entries 78
Mean −0.03367
Std Dev 0.992

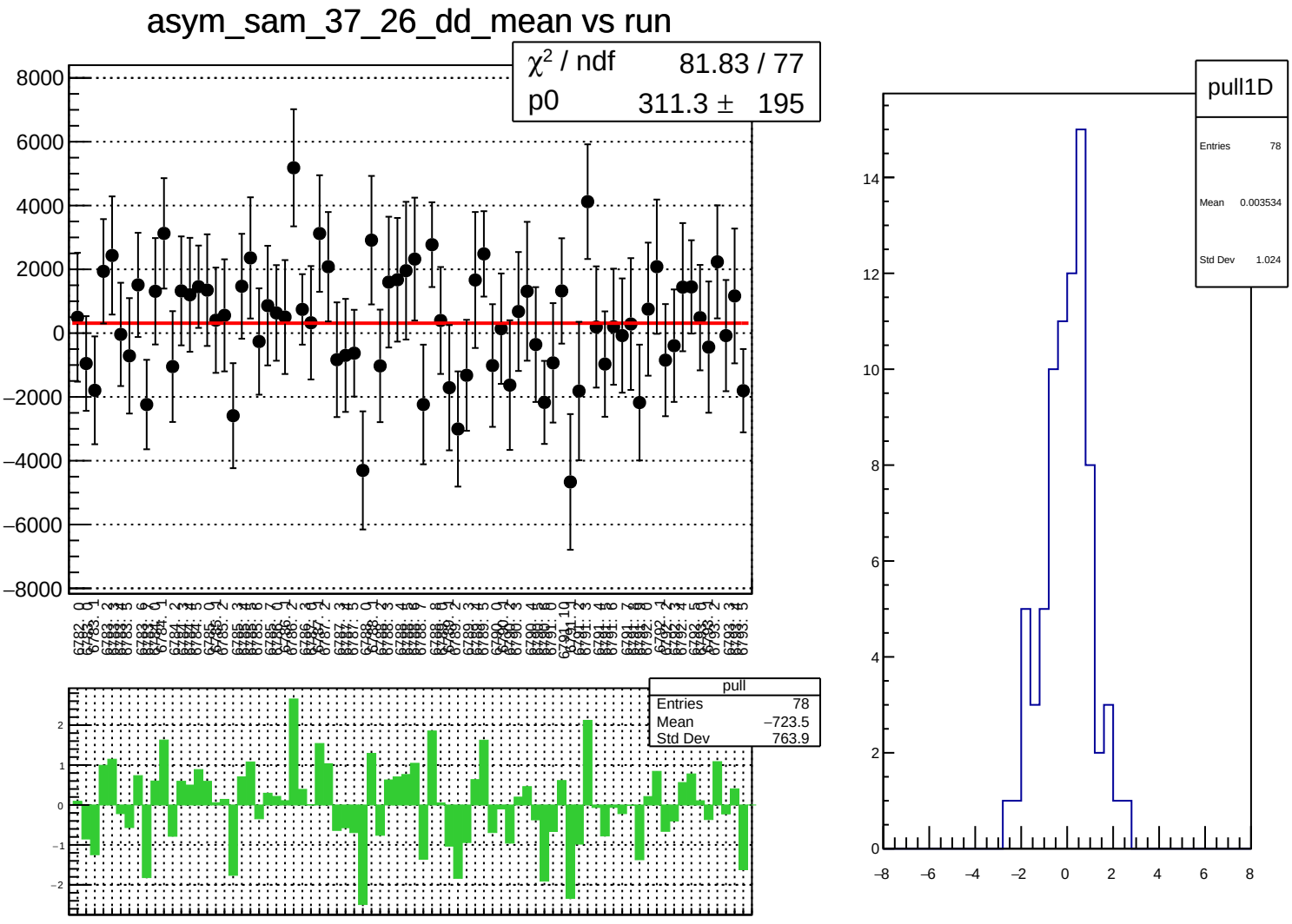
dit_asym_sam_37_26_dd_rms vs run



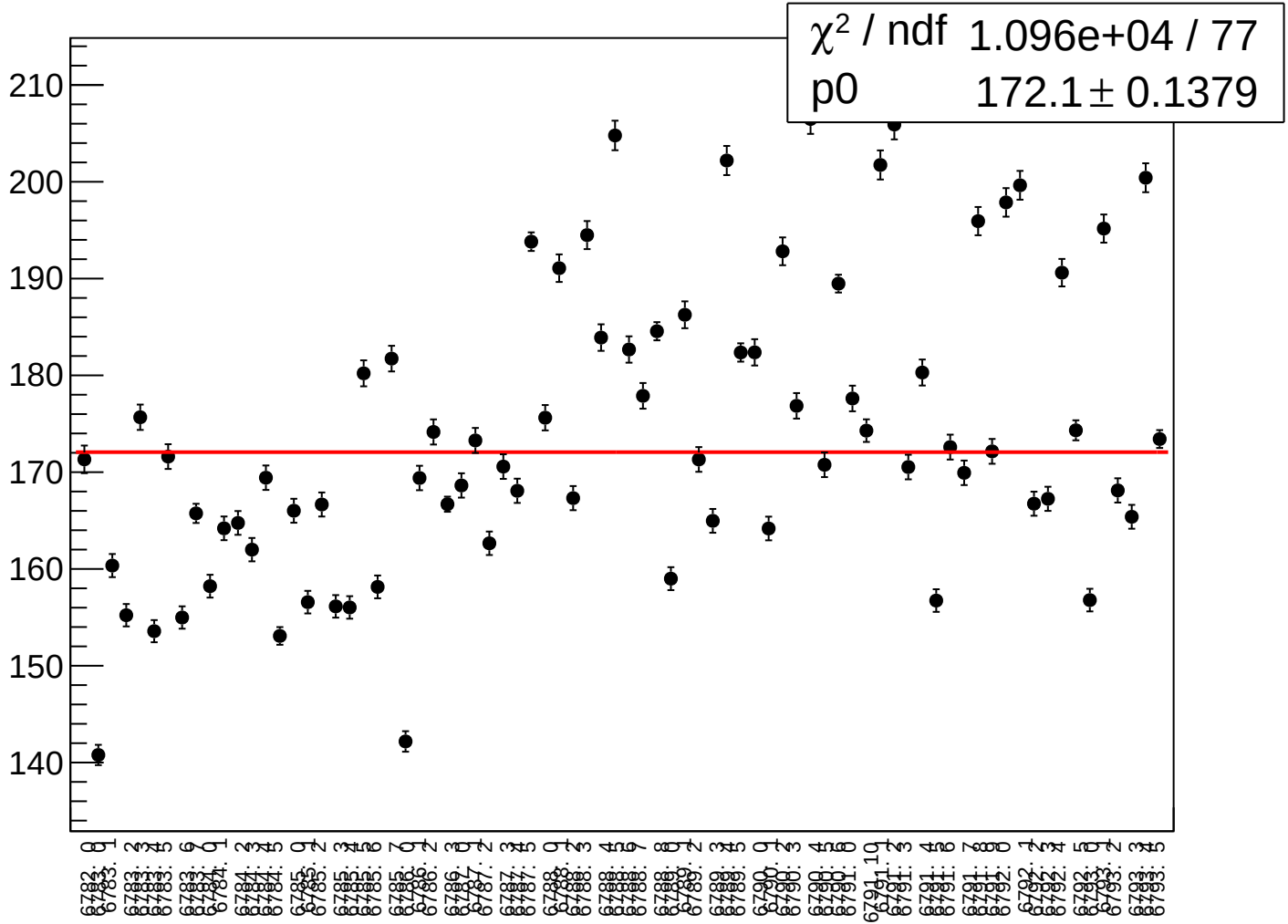

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 79.58 / 77
p0 −335.4 ± 202.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −229.9
Std Dev 263.9
2
1
0
−1
−2

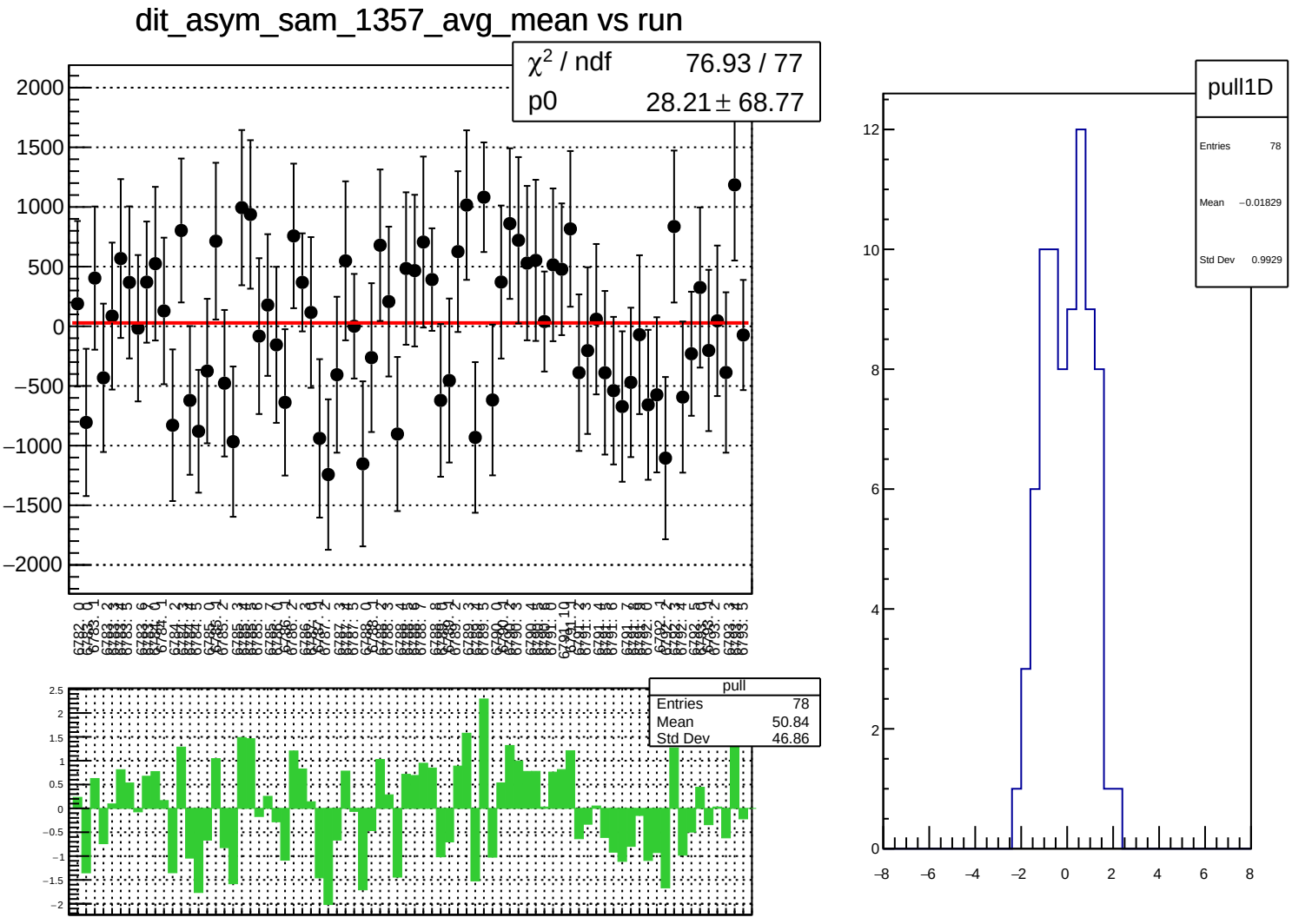

pull1D
Entries 78
Mean −0.009715
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_correction_rms vs run
χ^2 / ndf 1.486e+04 / 77
p0 178 ± 0.1429
230
220
210
200
190
180
170
160
150
140

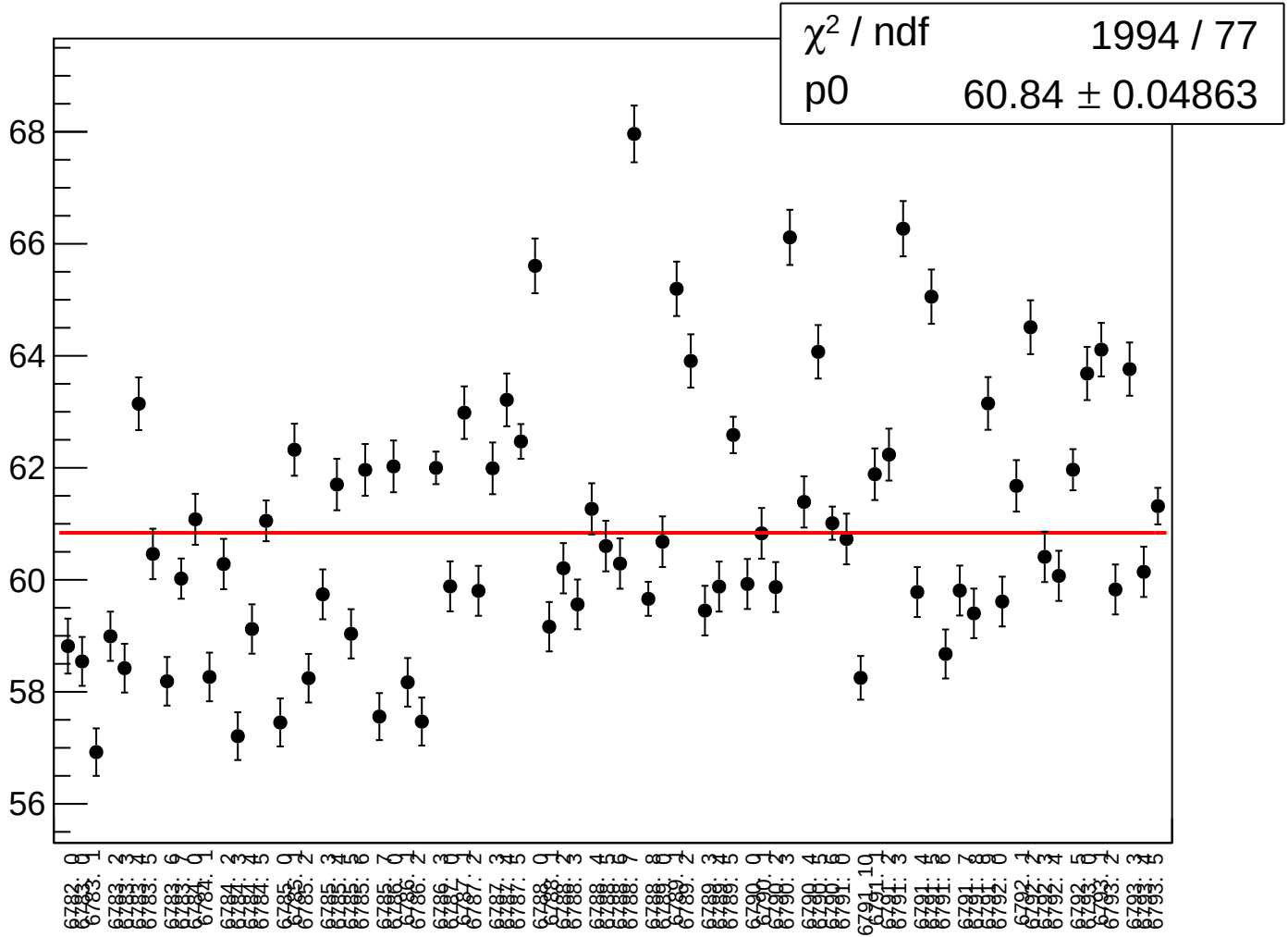

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 81.83 / 77
p0 311.3 ± 195
pull
Entries 78
Mean −723.5
Std Dev 763.9
pull1D
Entries 78
Mean 0.003534
Std Dev 1.024

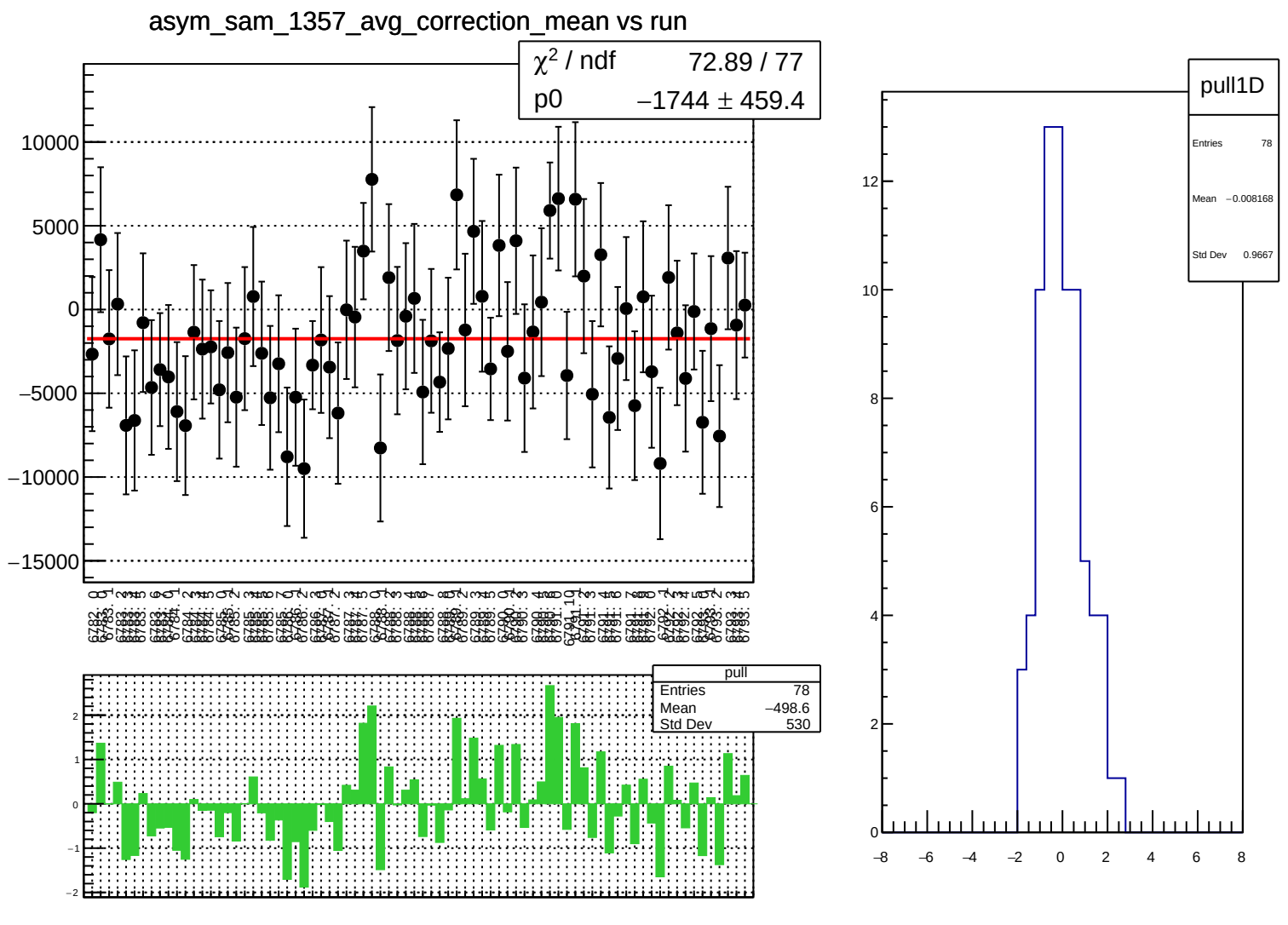
asym_sam_37_26_dd_rms vs run



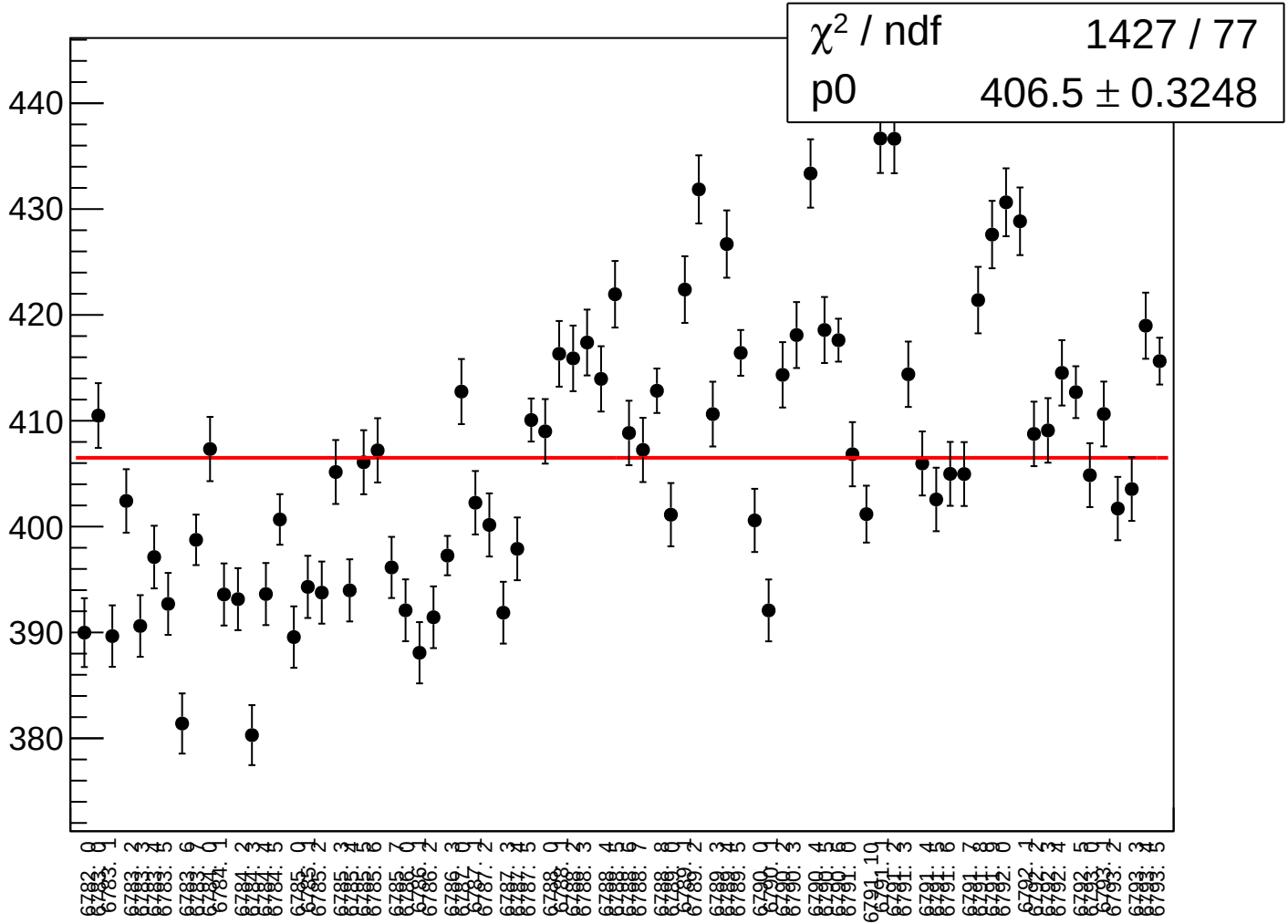

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.93 / 77
p0 28.21 ± 68.77
pull
Entries 78
Mean 50.84
Std Dev 46.86
pull1D
Entries 78
Mean −0.01829
Std Dev 0.9929

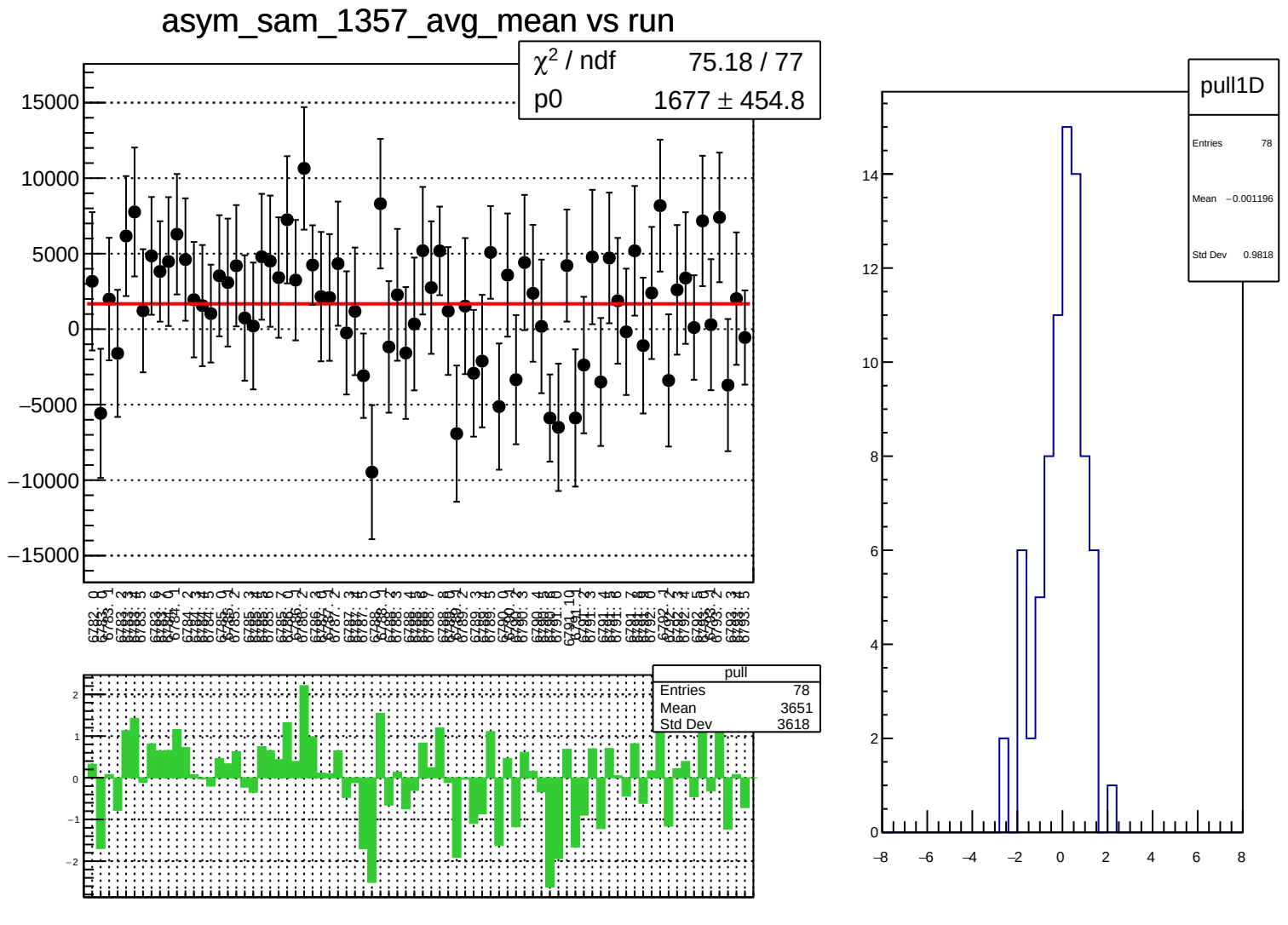
dit_asym_sam_1357_avg_rms vs run

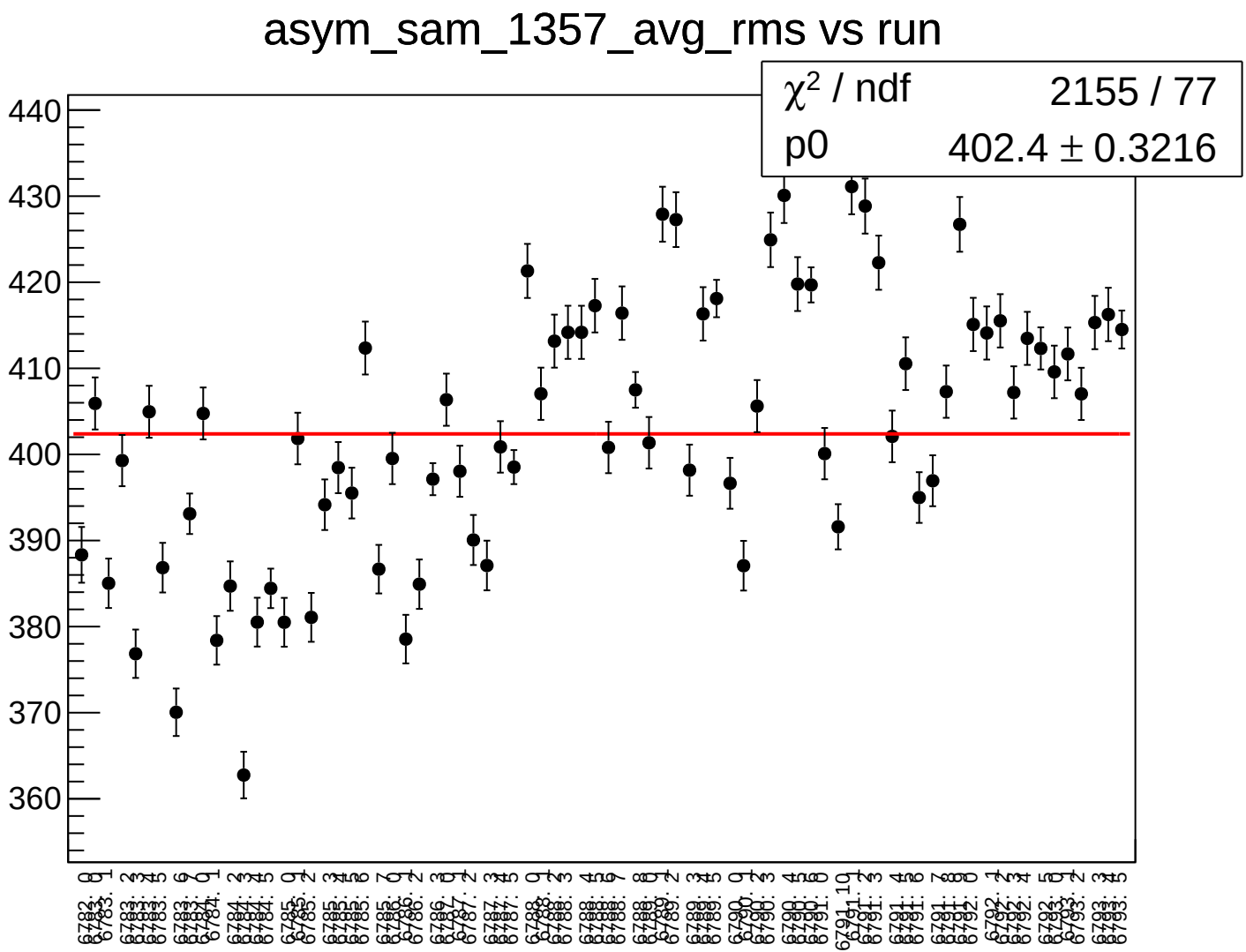


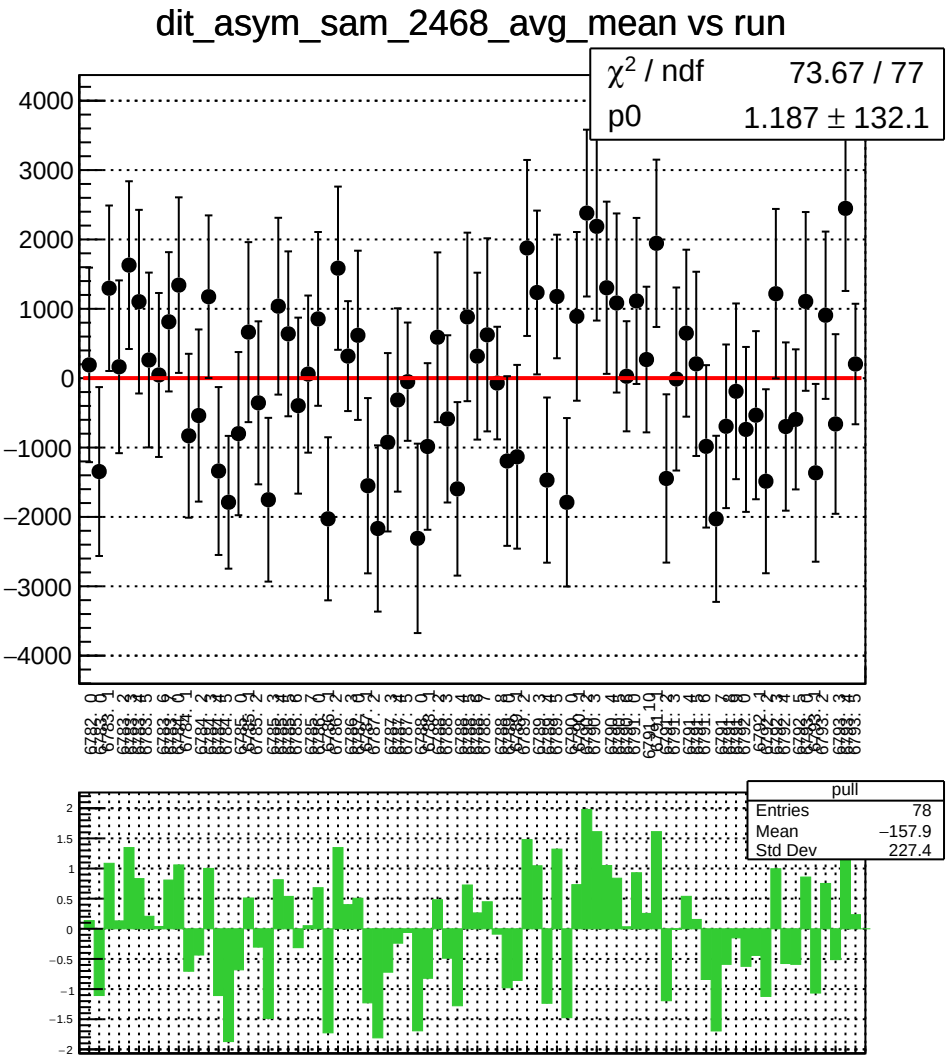

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.89 / 77
p0 −1744 ± 459.4
pull
Entries 78
Mean −498.6
Std Dev 530
pull1D
Entries 78
Mean −0.008168
Std Dev 0.9667

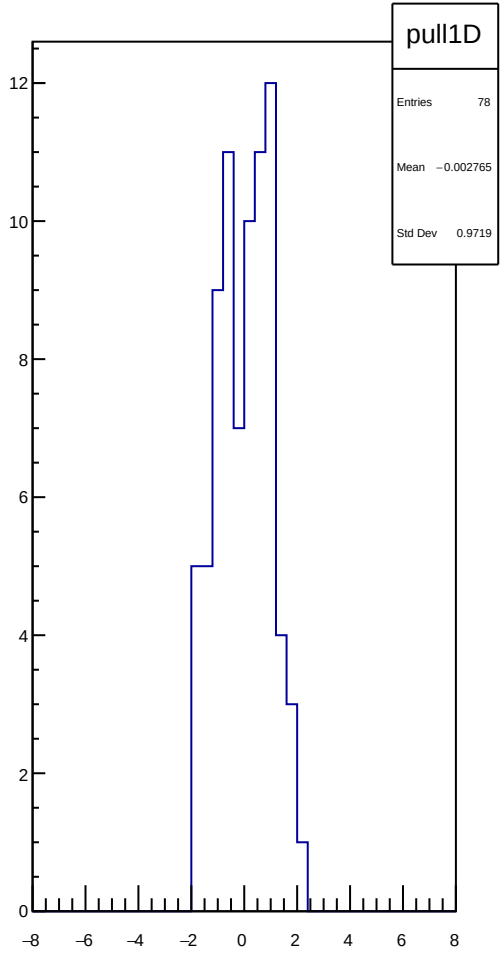
asym_sam_1357_avg_correction_rms vs run



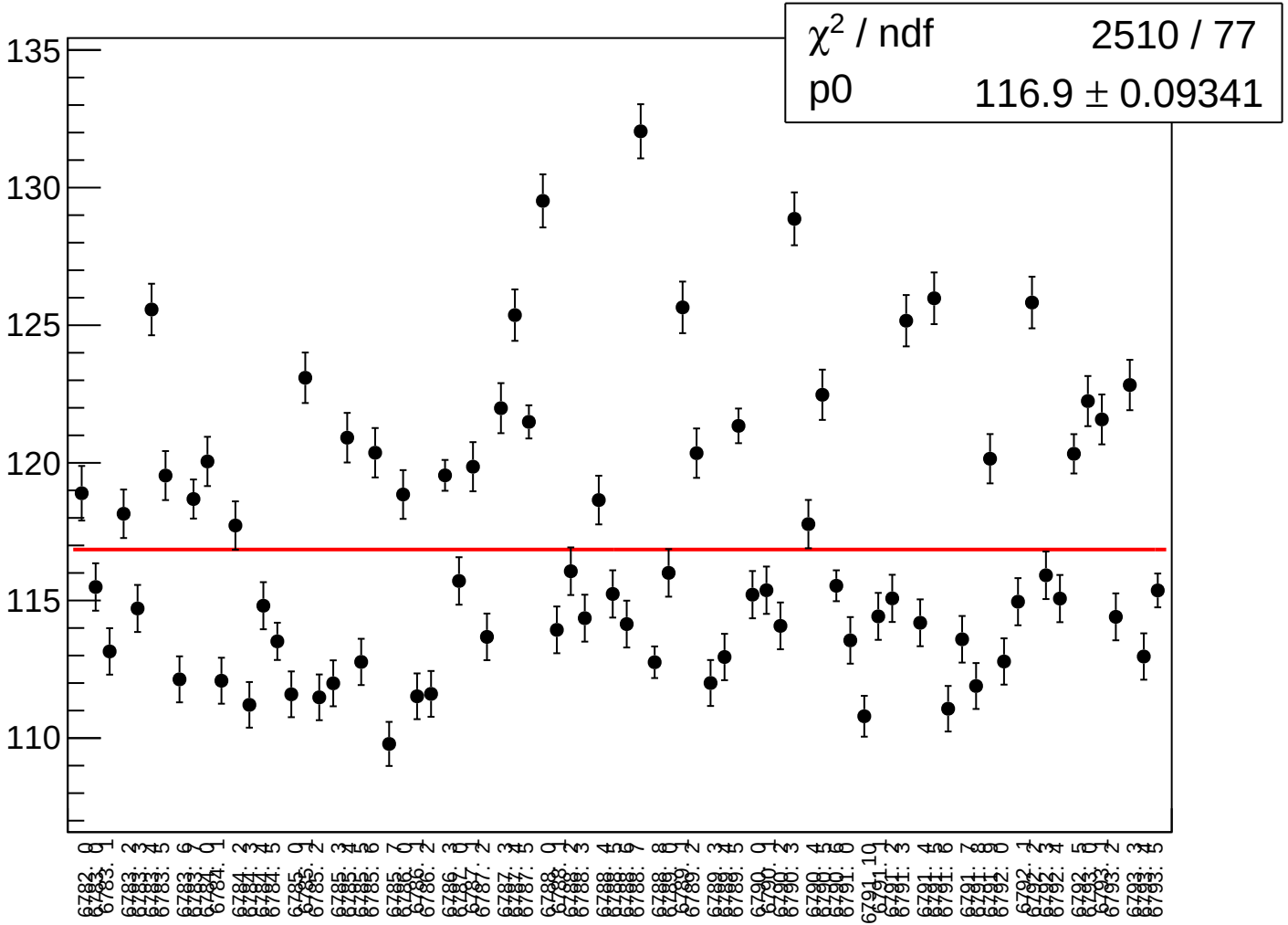

asym_sam_1357_avg_mean vs run
χ² / ndf 75.18 / 77
p0 1677 ± 454.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean 3651
Std Dev 3618
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.001196
Std Dev 0.9818
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

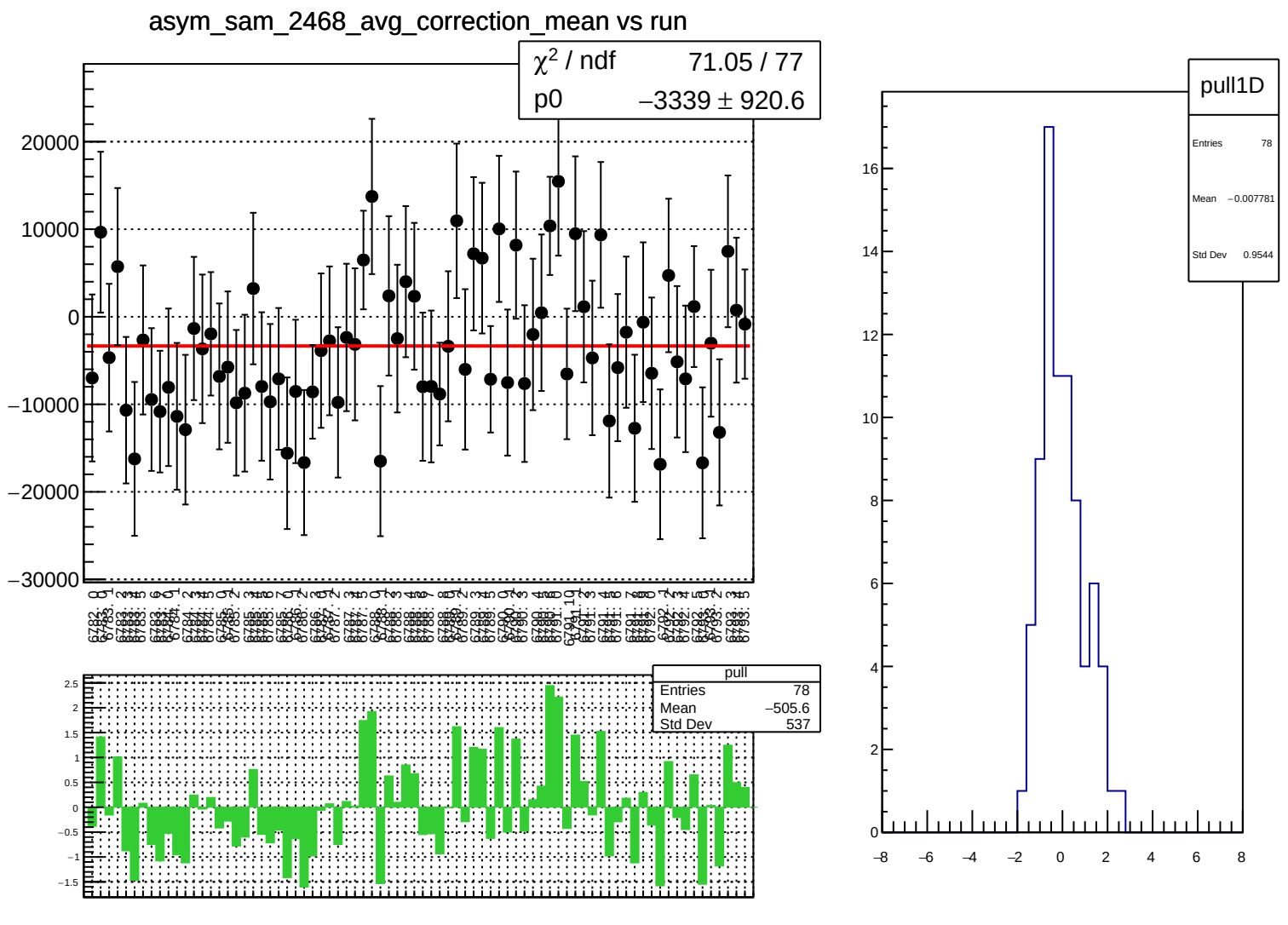

asym_sam_1357_avg_rms vs run
χ^2 / ndf 2155 / 77
p0 402.4 ± 0.3216
440
430
420
410
400
390
380
370
360

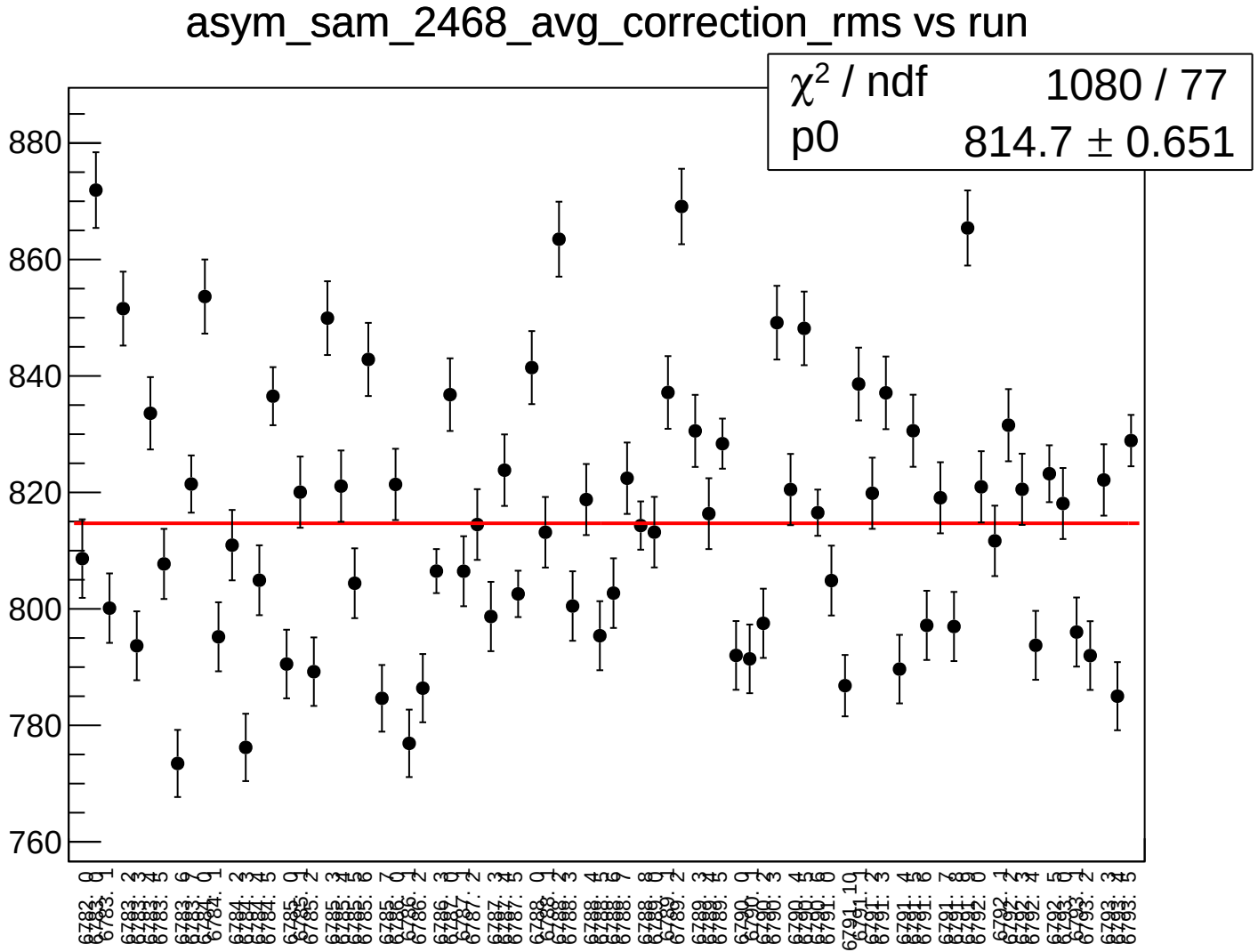

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 73.67 / 77
p0 1.187 ± 132.1
pull
Entries 78
Mean −157.9
Std Dev 227.4

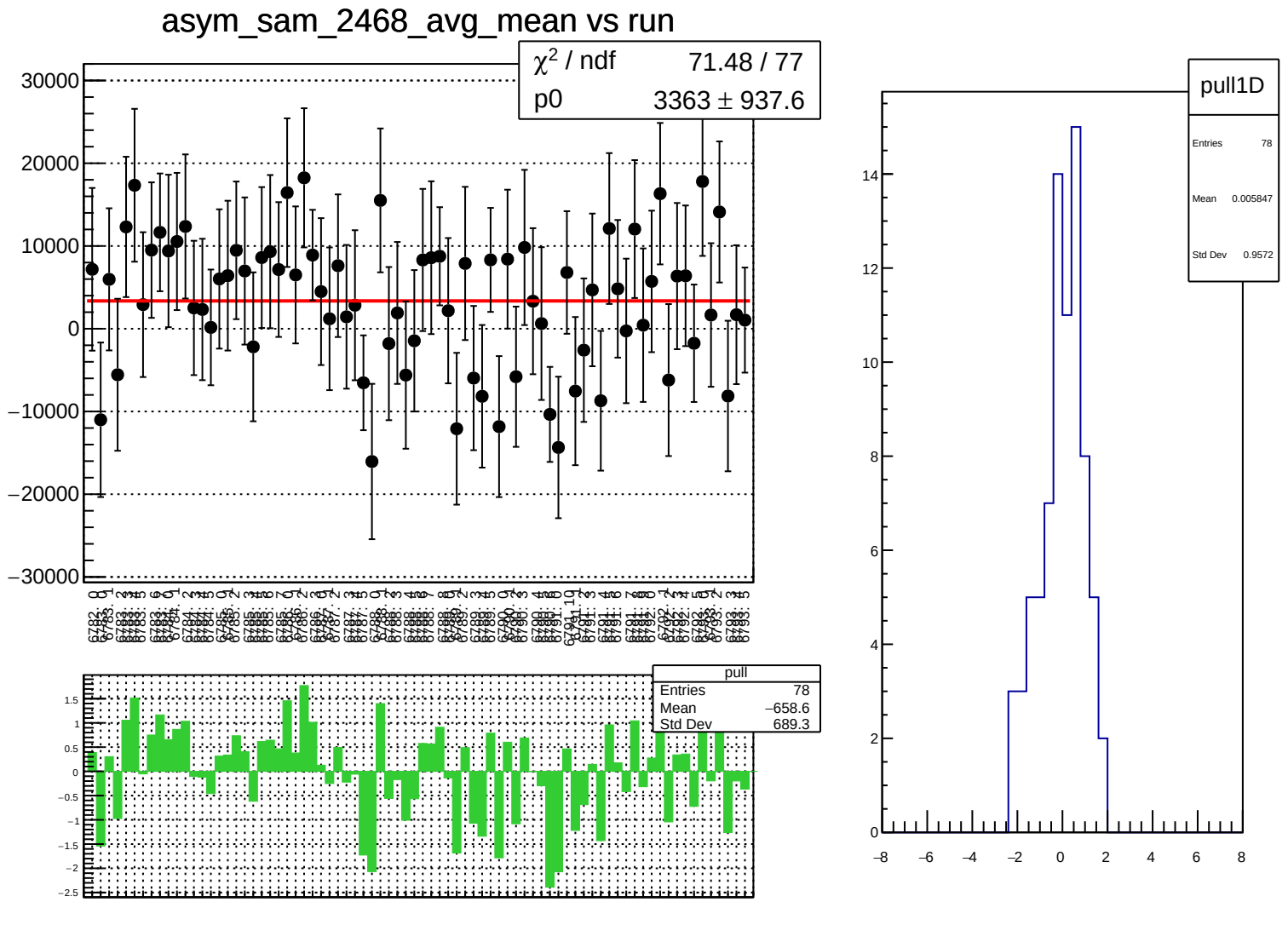

pull1D
Entries 78
Mean −0.002765
Std Dev 0.9719

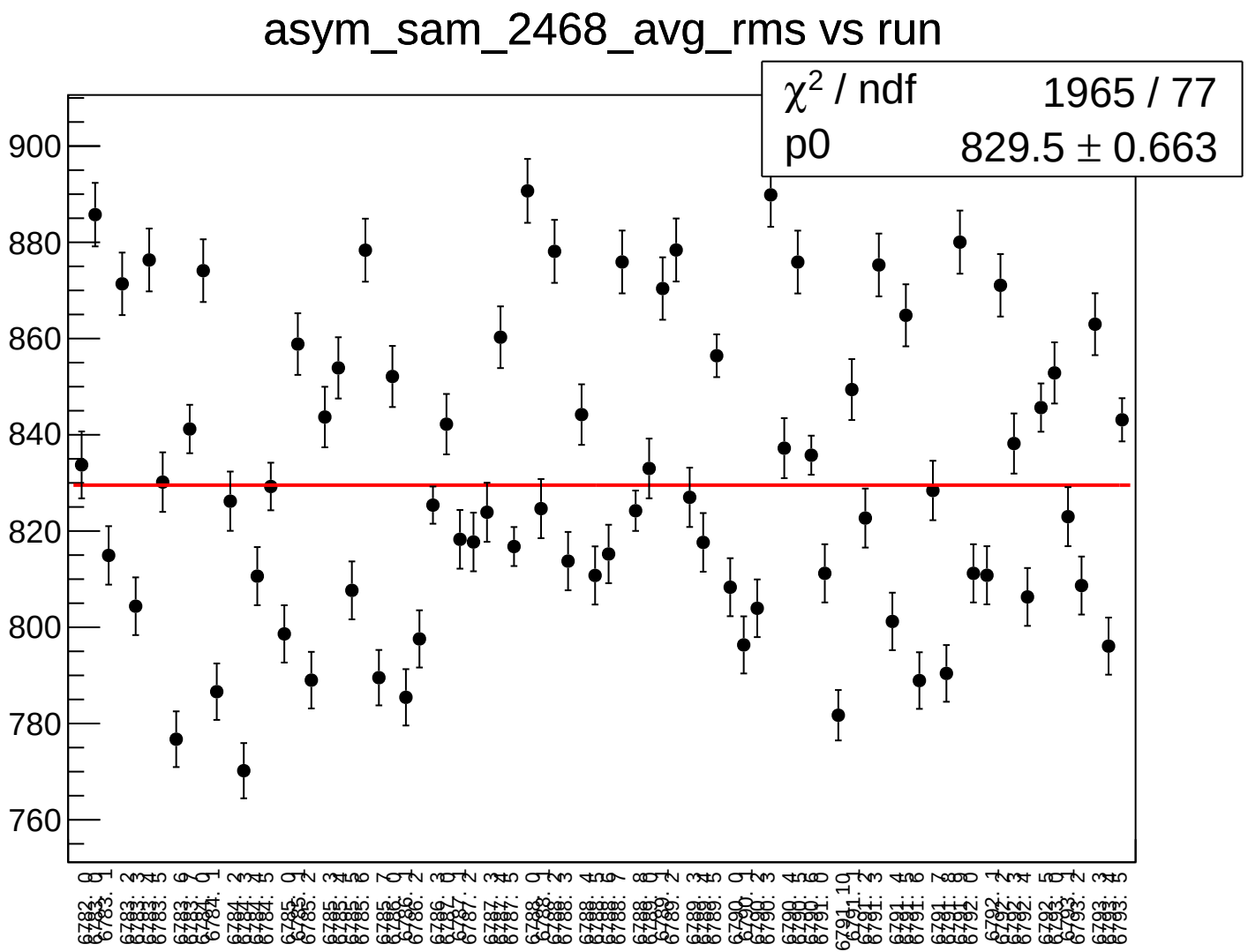
dit_asym_sam_2468_avg_rms vs run

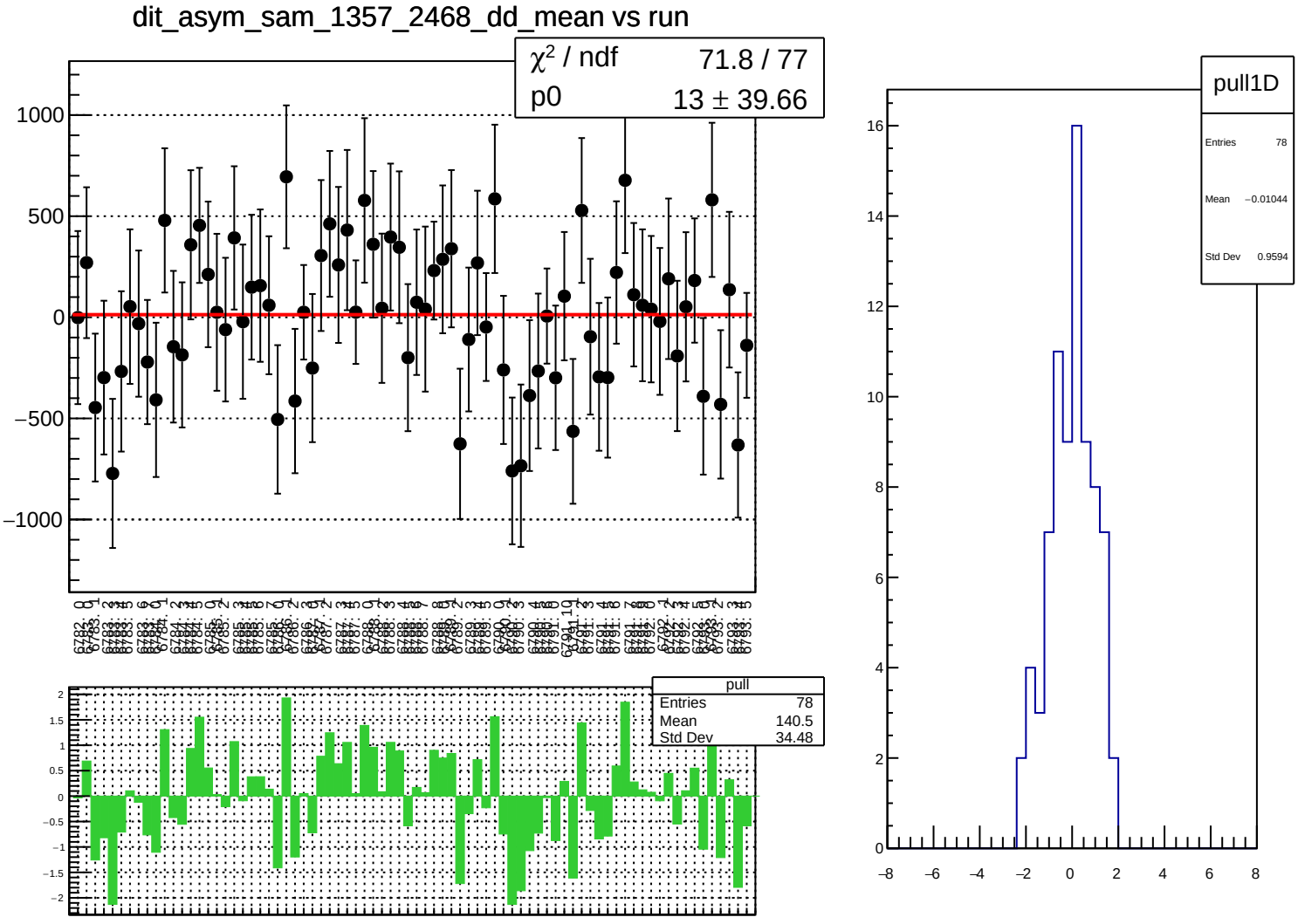



asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 71.05 / 77
p0 −3339 ± 920.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −505.6
Std Dev 537
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.007781
Std Dev 0.9544
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

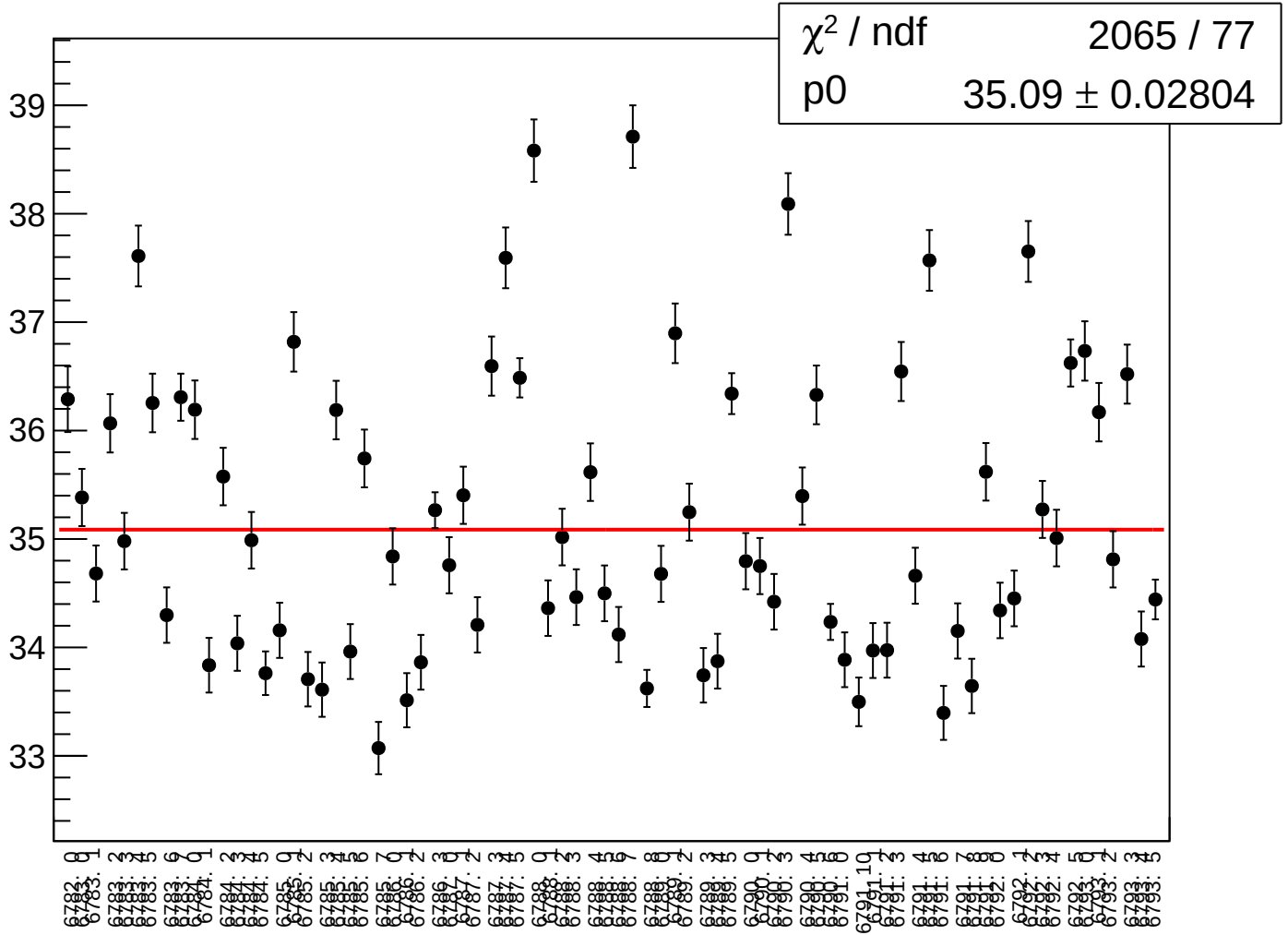

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1080 / 77
p0 814.7 ± 0.651
880
860
840
820
800
780
760

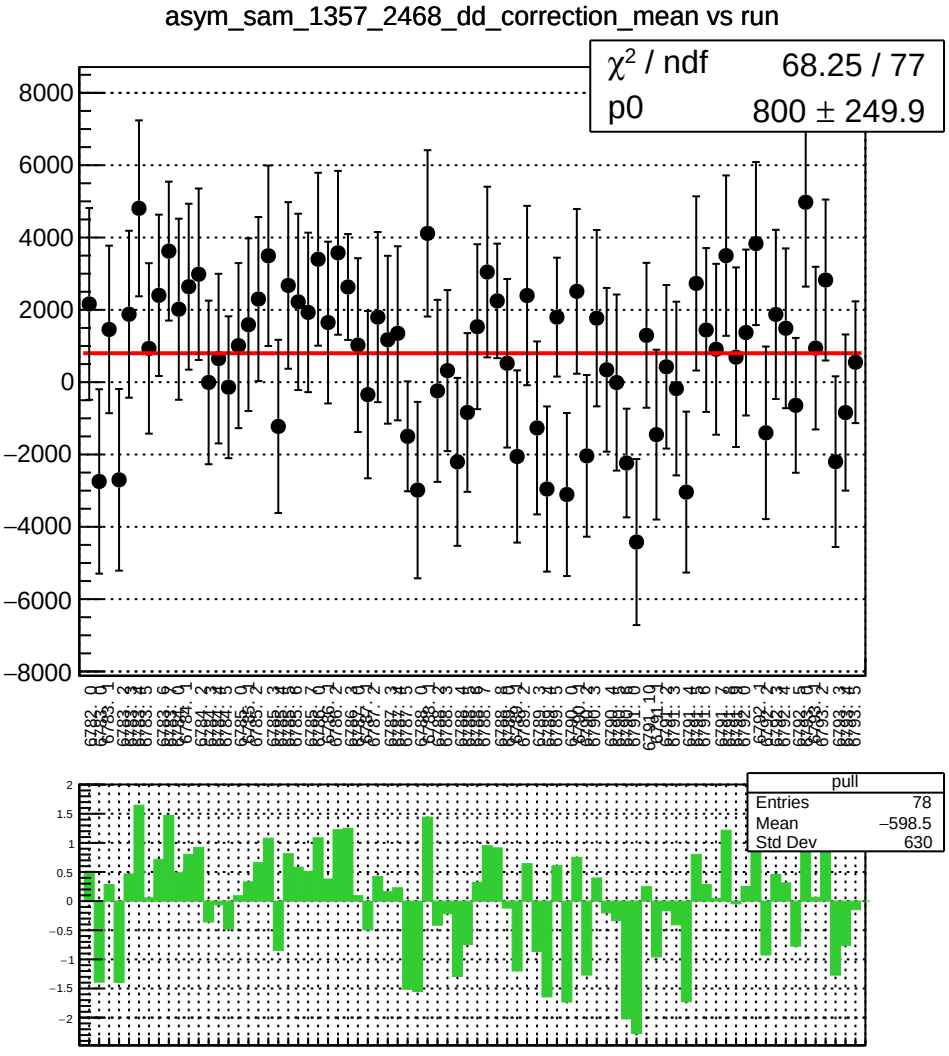

asym_sam_2468_avg_mean vs run
χ² / ndf 71.48 / 77
p0 3363 ± 937.6
pull
Entries 78
Mean −658.6
Std Dev 689.3
pull1D
Entries 78
Mean 0.005847
Std Dev 0.9572

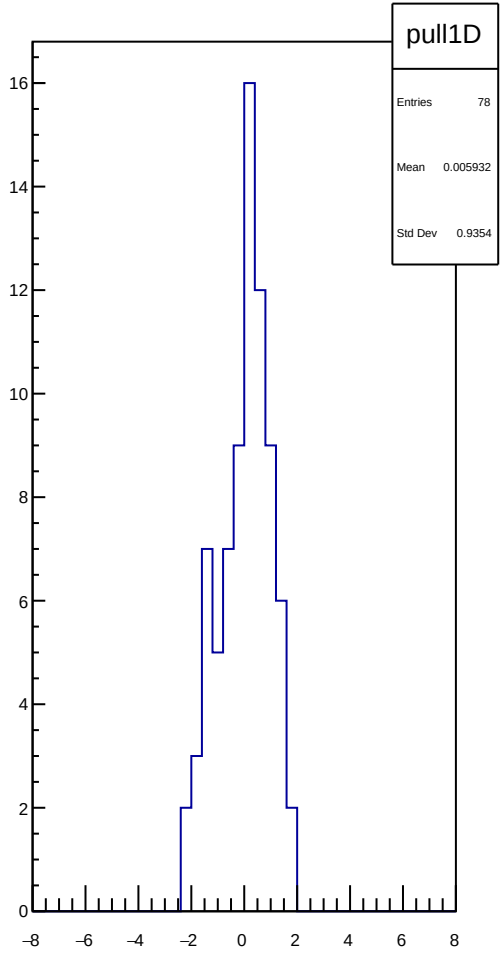

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1965 / 77
p0 829.5 ± 0.663
900
880
860
840
820
800
780
760

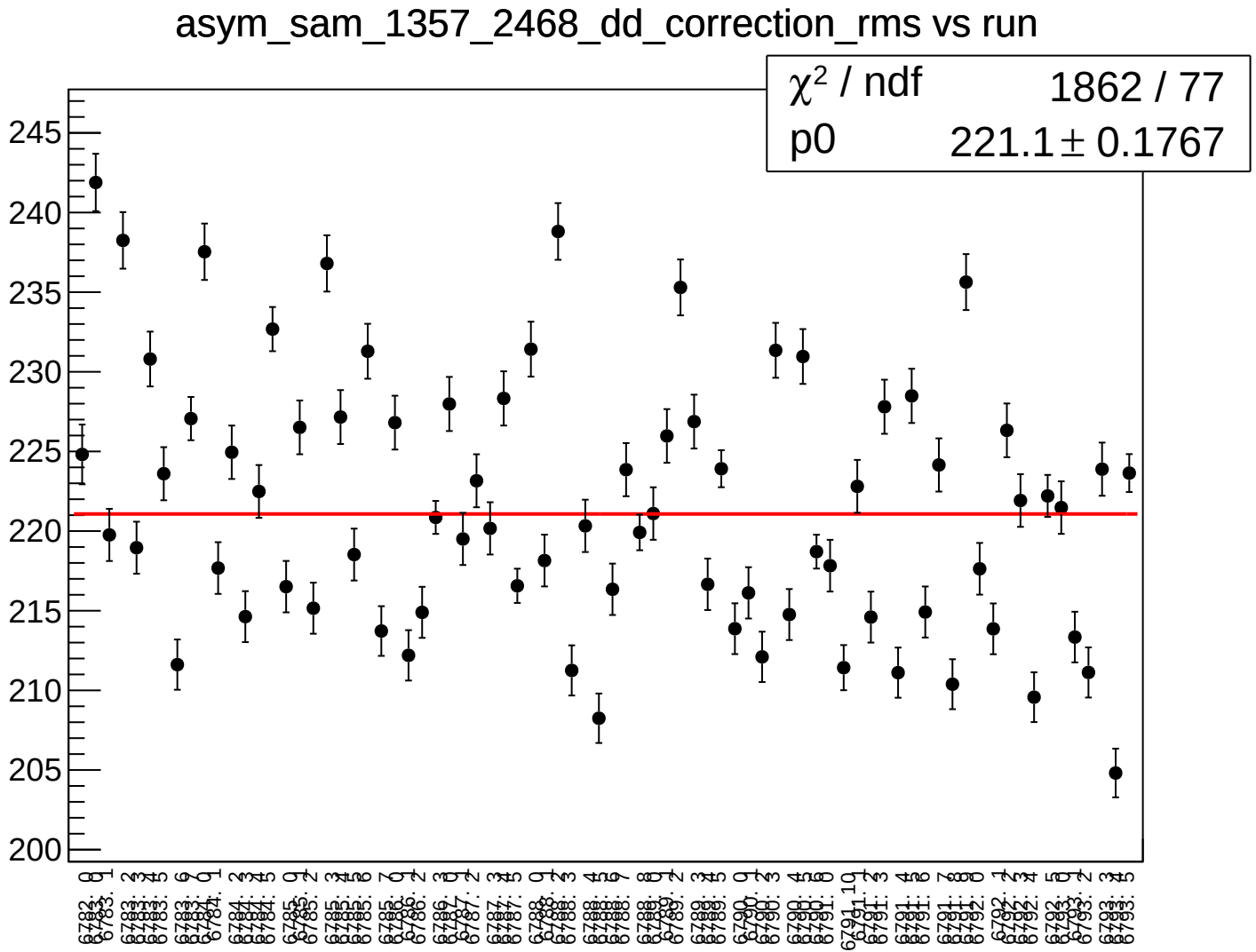

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 71.8 / 77
p0 13 ± 39.66
pull
Entries 78
Mean 140.5
Std Dev 34.48
pull1D
Entries 78
Mean −0.01044
Std Dev 0.9594

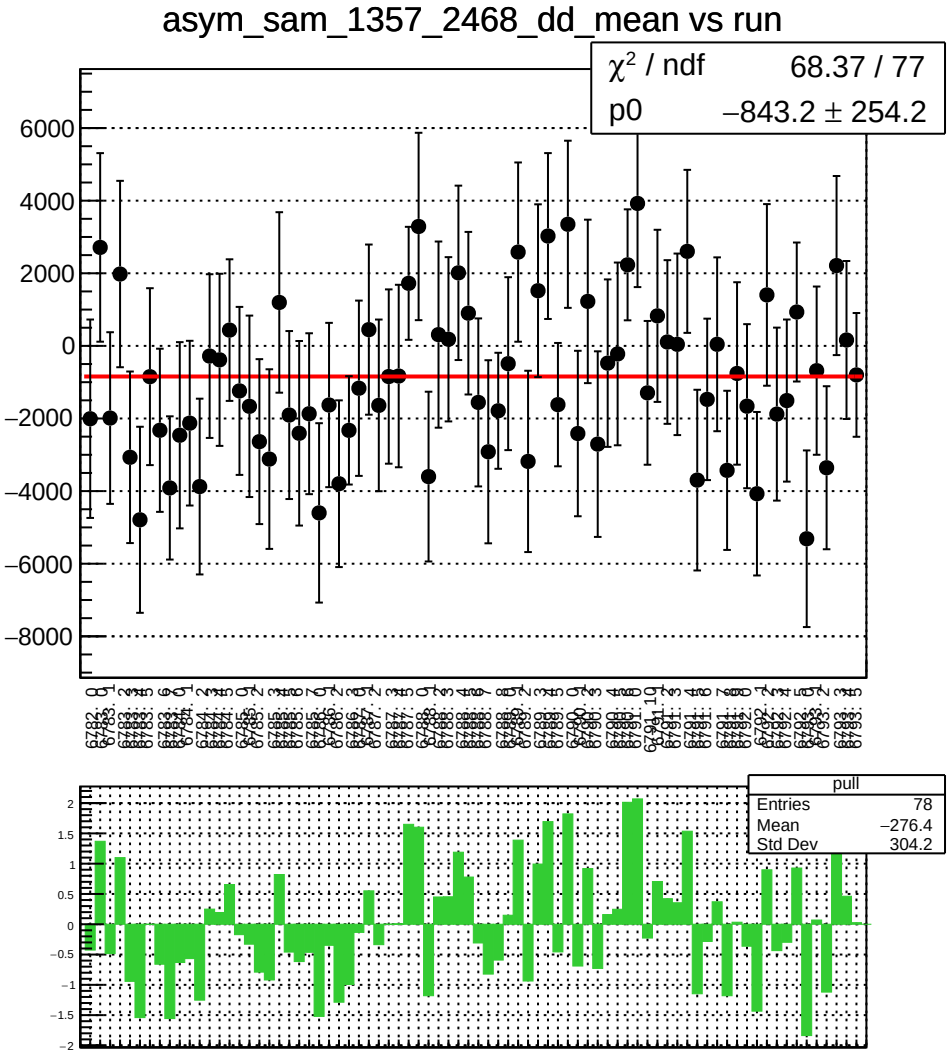
dit_asym_sam_1357_2468_dd_rms vs run

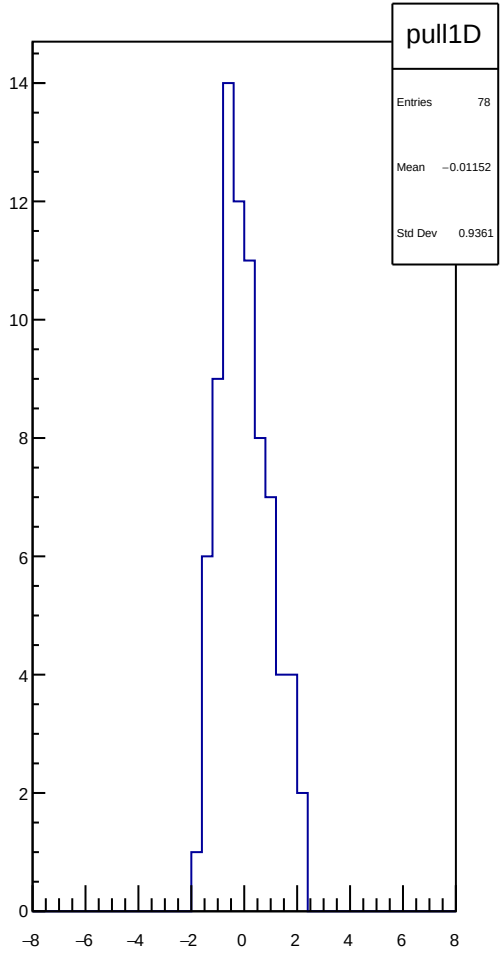



asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 68.25 / 77
p0 800 ± 249.9
pull
Entries 78
Mean −598.5
Std Dev 630

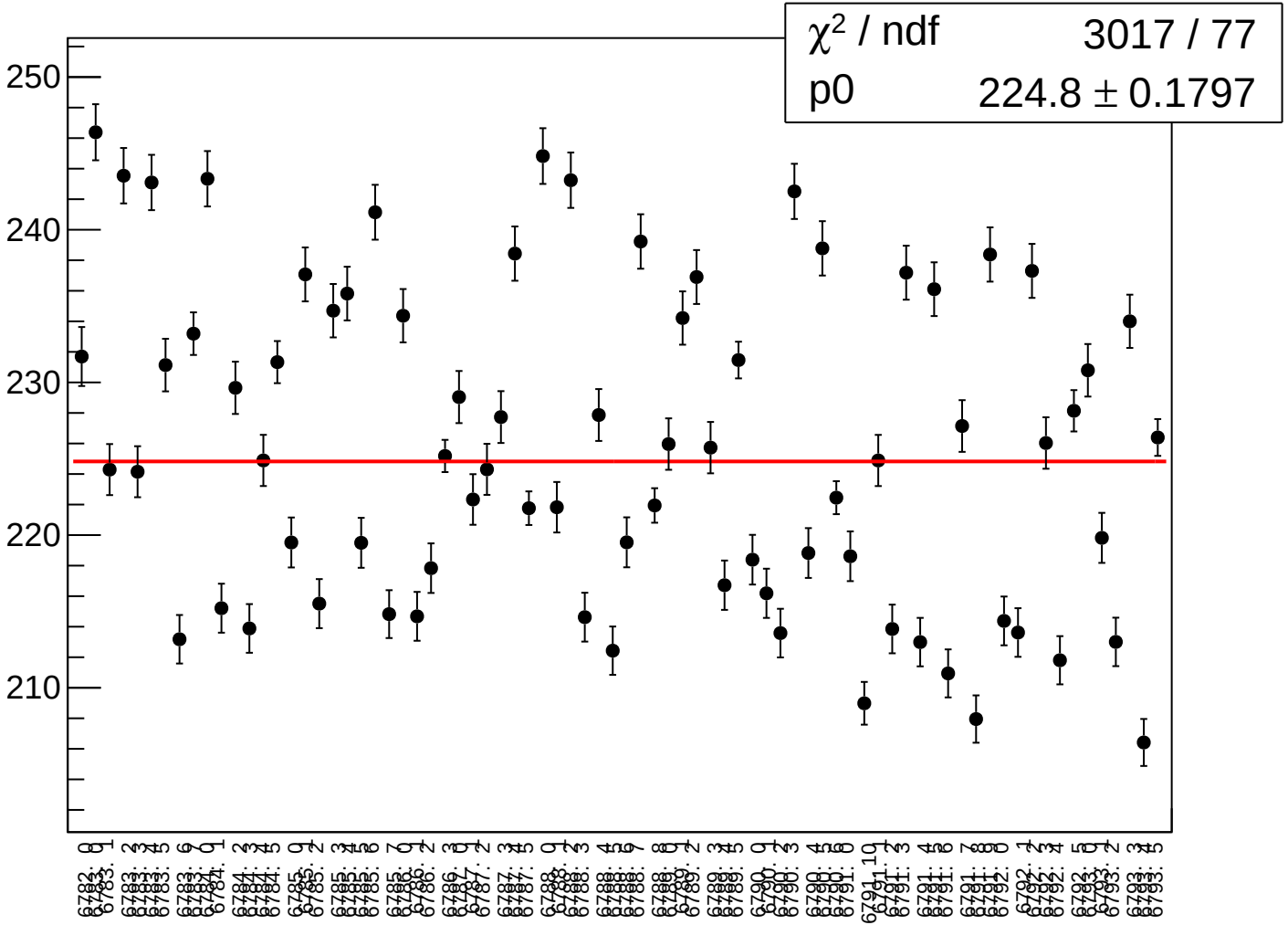

pull1D
Entries 78
Mean 0.005932
Std Dev 0.9354

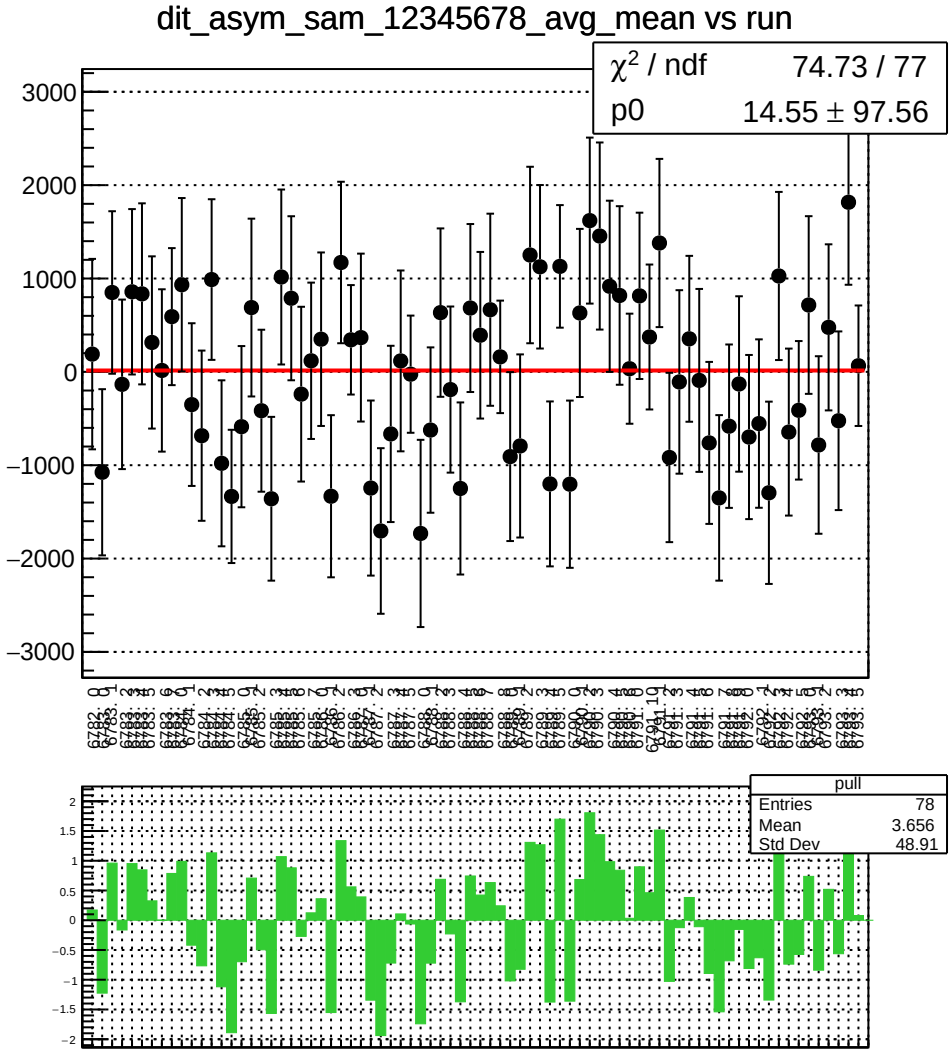

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 1862 / 77
p0 221.1 ± 0.1767
245
240
235
230
225
220
215
210
205
200

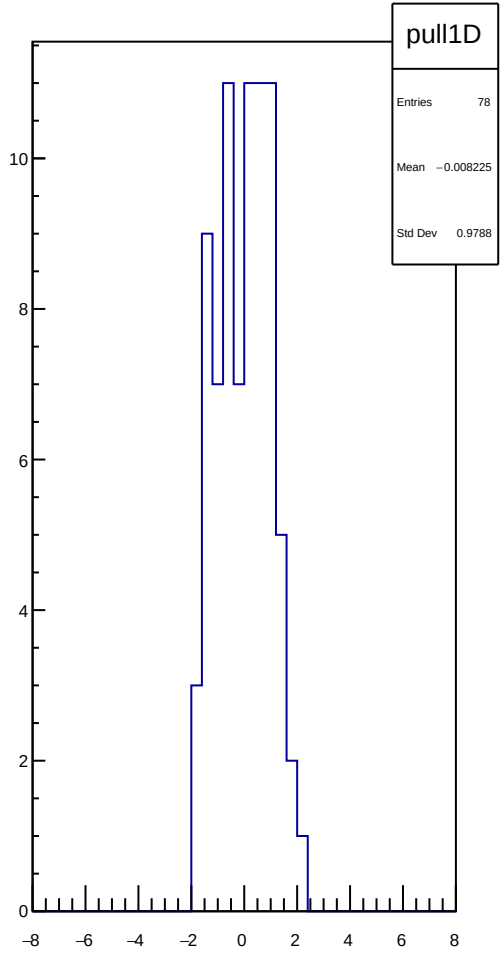

asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 68.37 / 77
p0 −843.2 ± 254.2
pull
Entries 78
Mean −276.4
Std Dev 304.2


pull1D
Entries 78
Mean −0.01152
Std Dev 0.9361

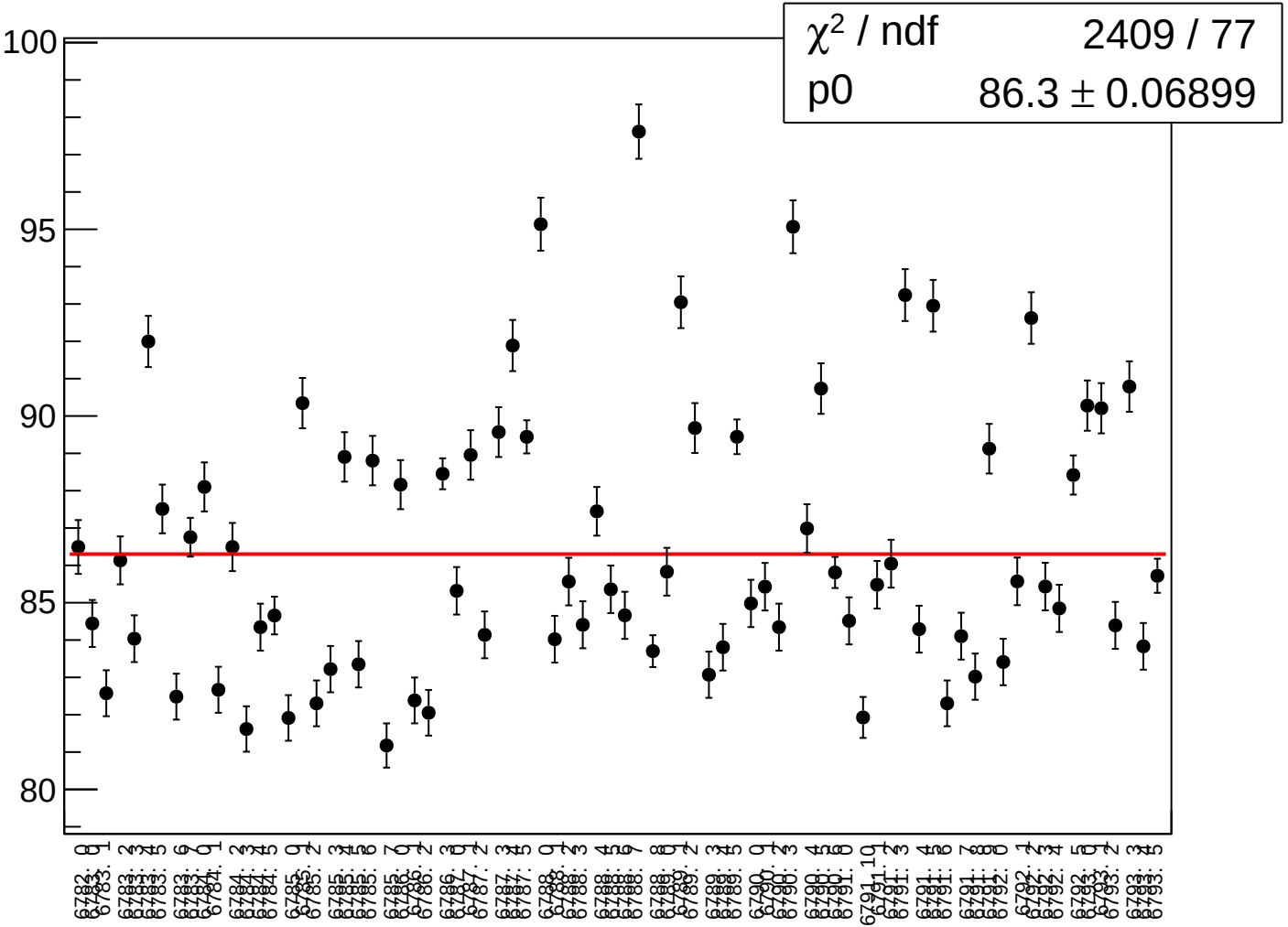
asym_sam_1357_2468_dd_rms vs run

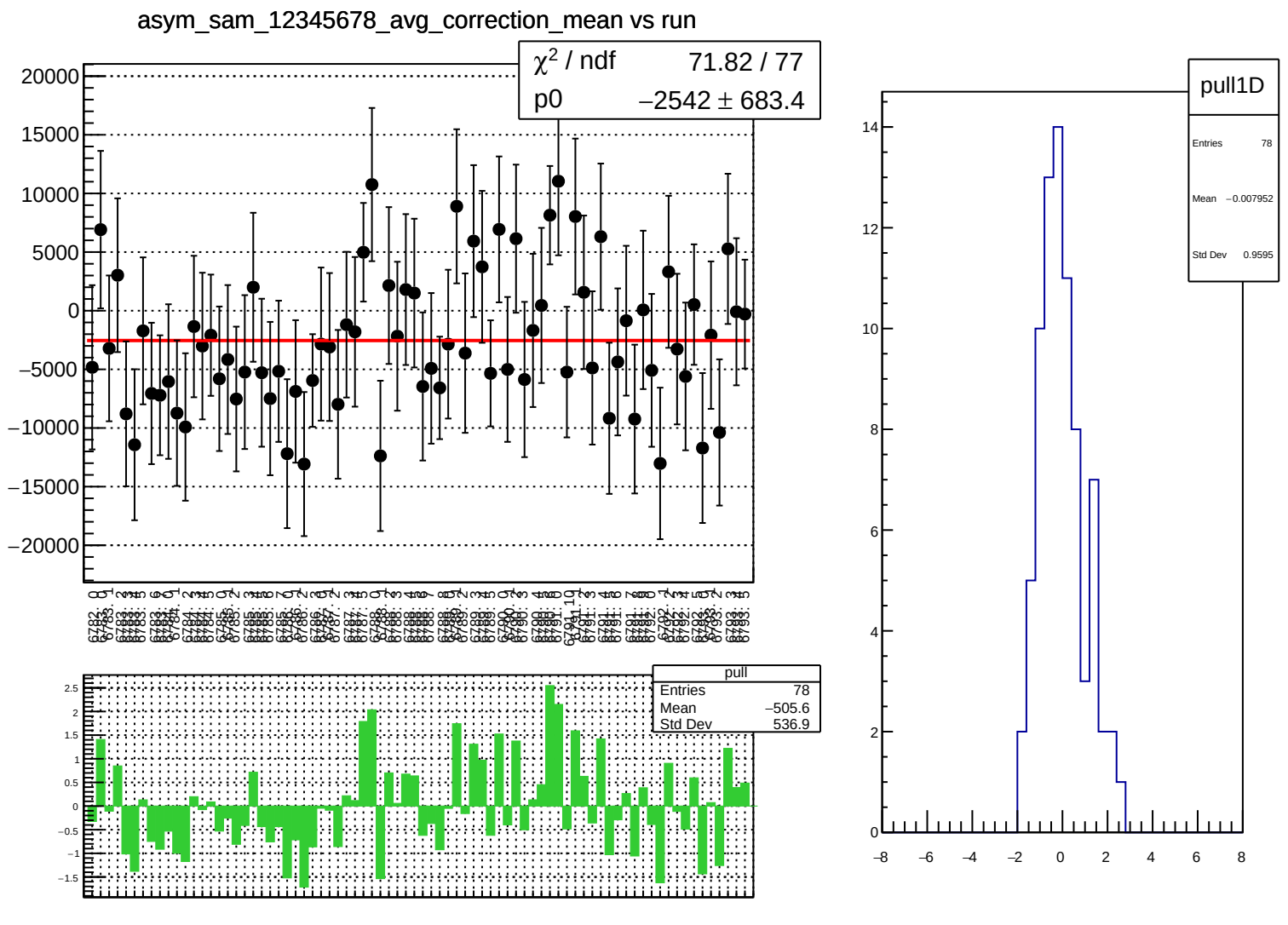


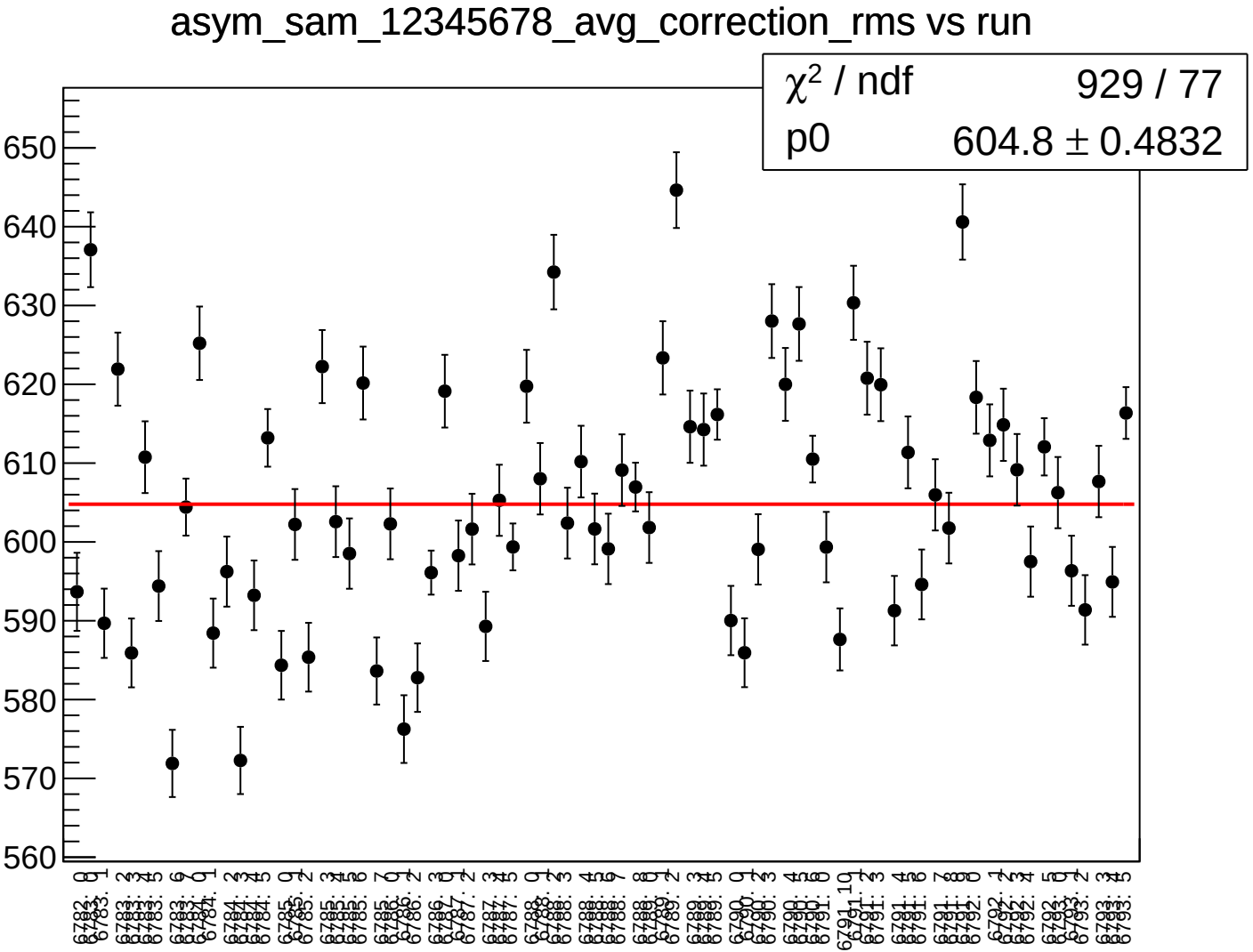

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 74.73 / 77
p0 14.55 ± 97.56
pull
Entries 78
Mean 3.656
Std Dev 48.91

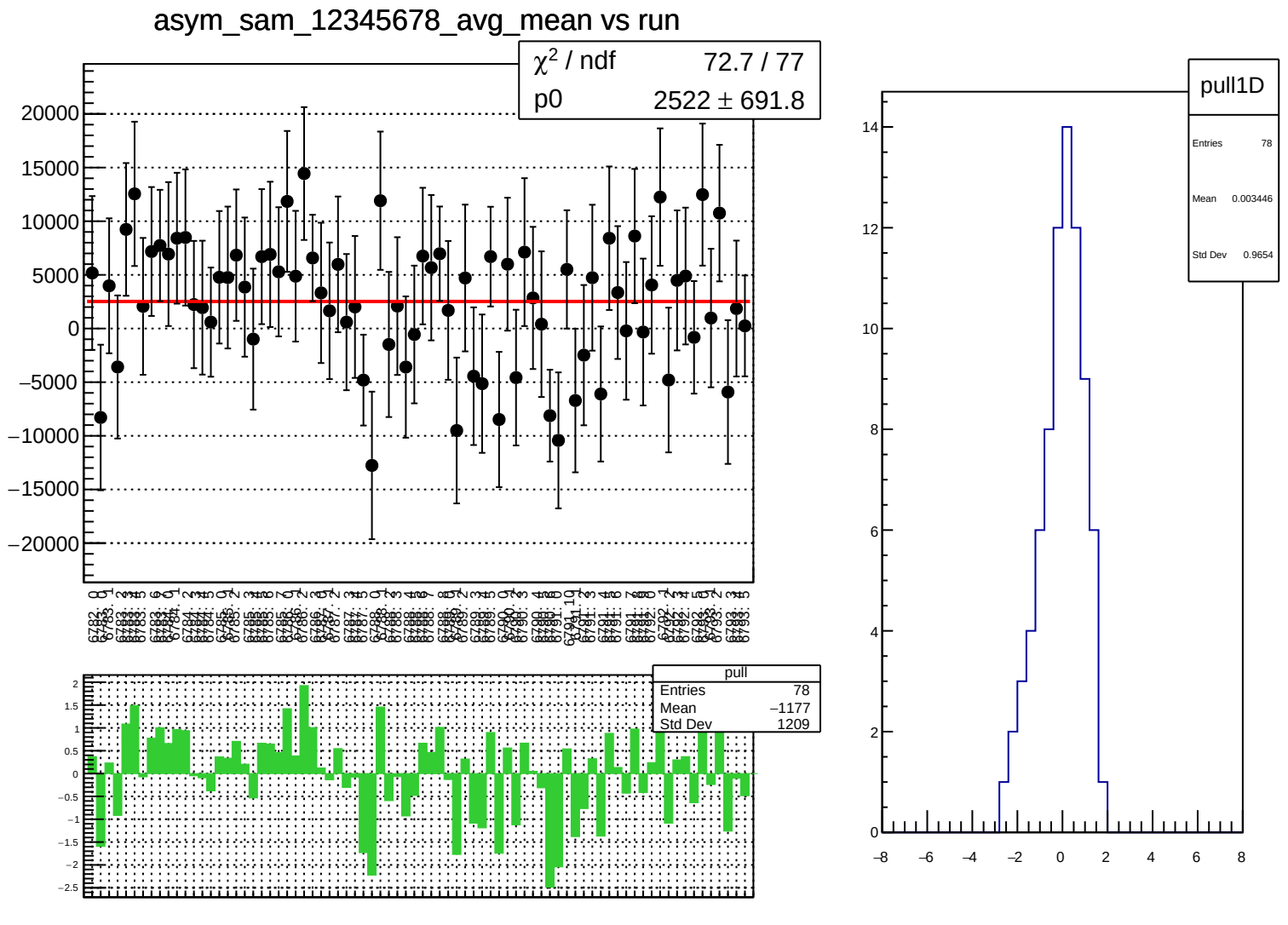

pull1D
Entries 78
Mean −0.008225
Std Dev 0.9788

dit_asym_sam_12345678_avg_rms vs run

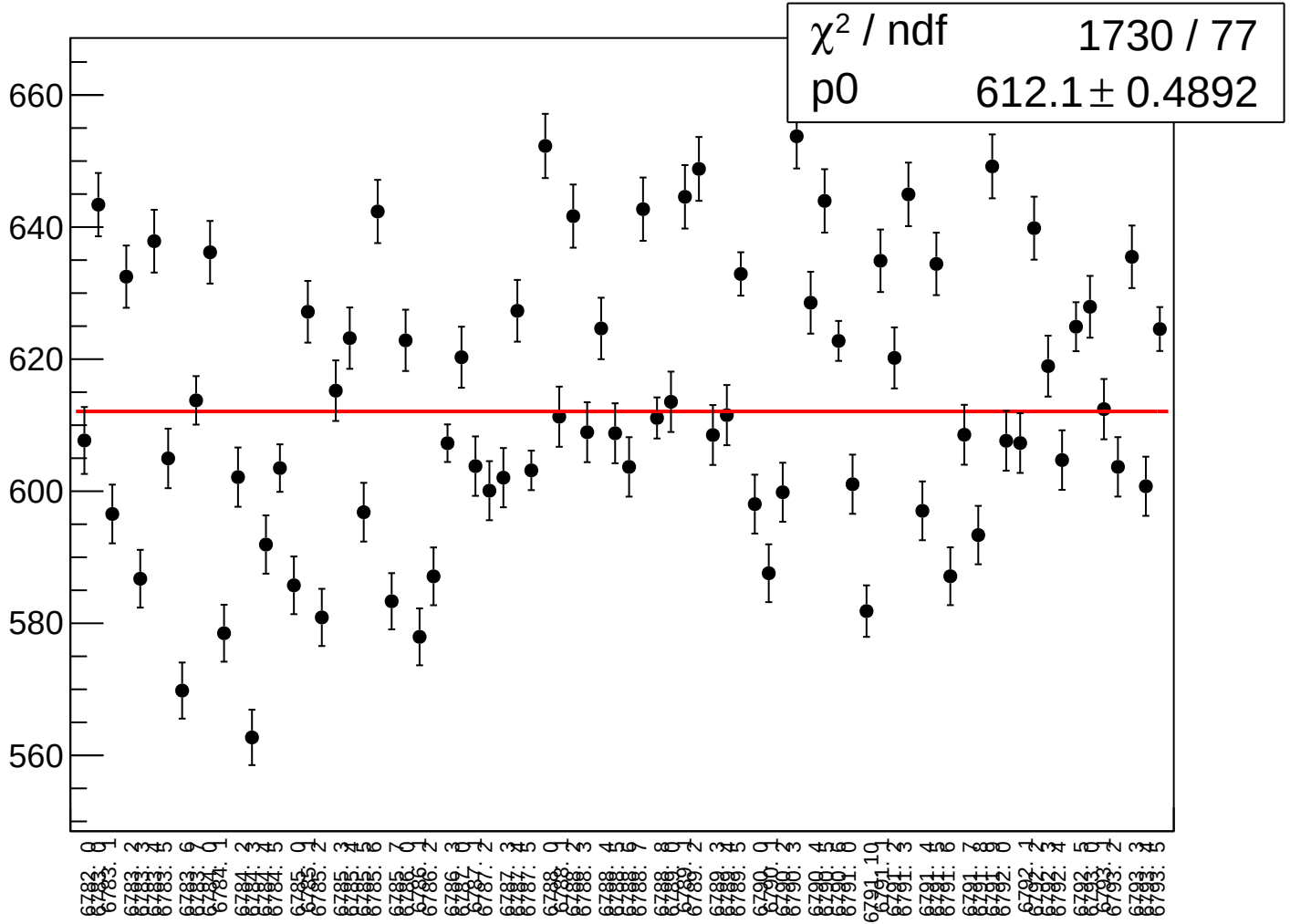


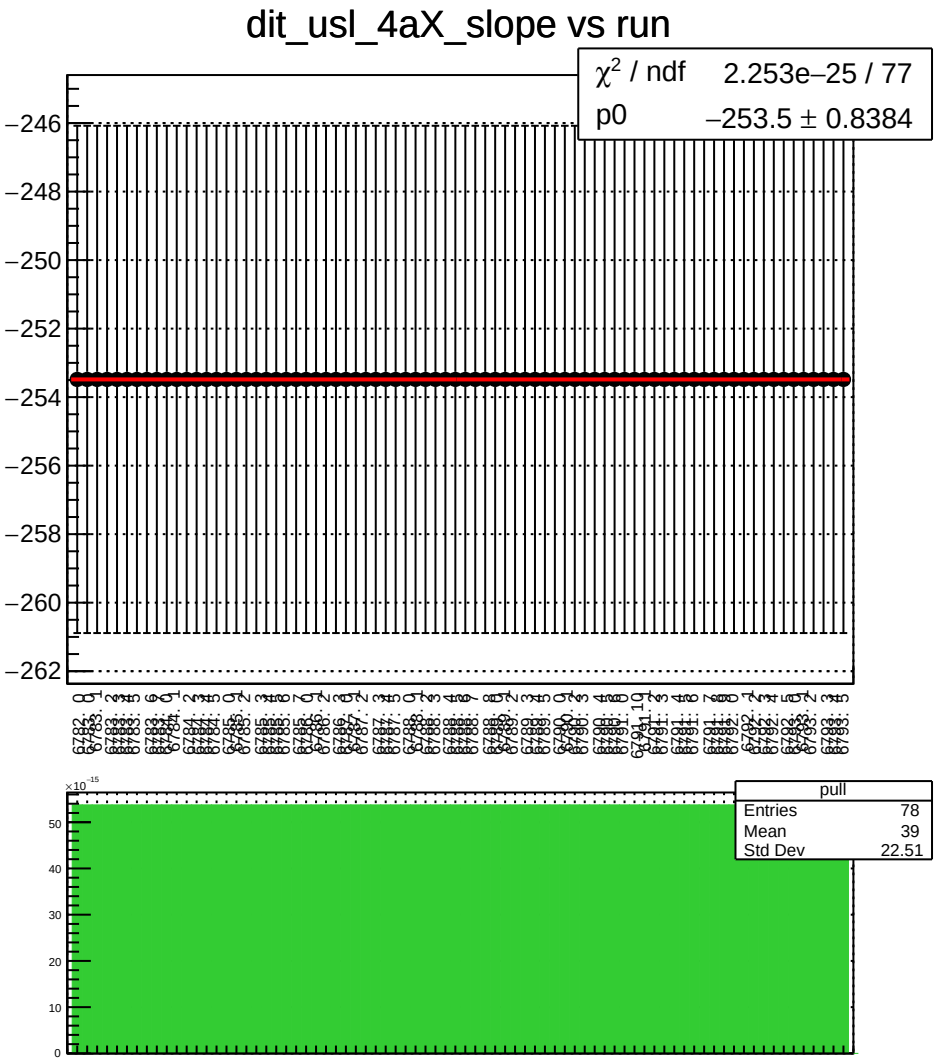

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 71.82 / 77
p0 −2542 ± 683.4
pull
Entries 78
Mean −505.6
Std Dev 536.9
pull1D
Entries 78
Mean −0.007952
Std Dev 0.9595

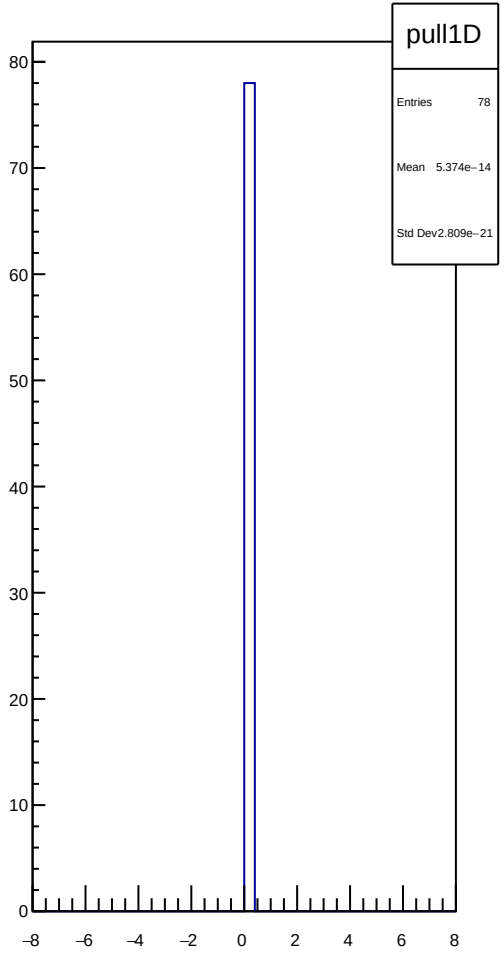

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 929 / 77
p0 604.8 ± 0.4832
650
640
630
620
610
600
590
580
570
560

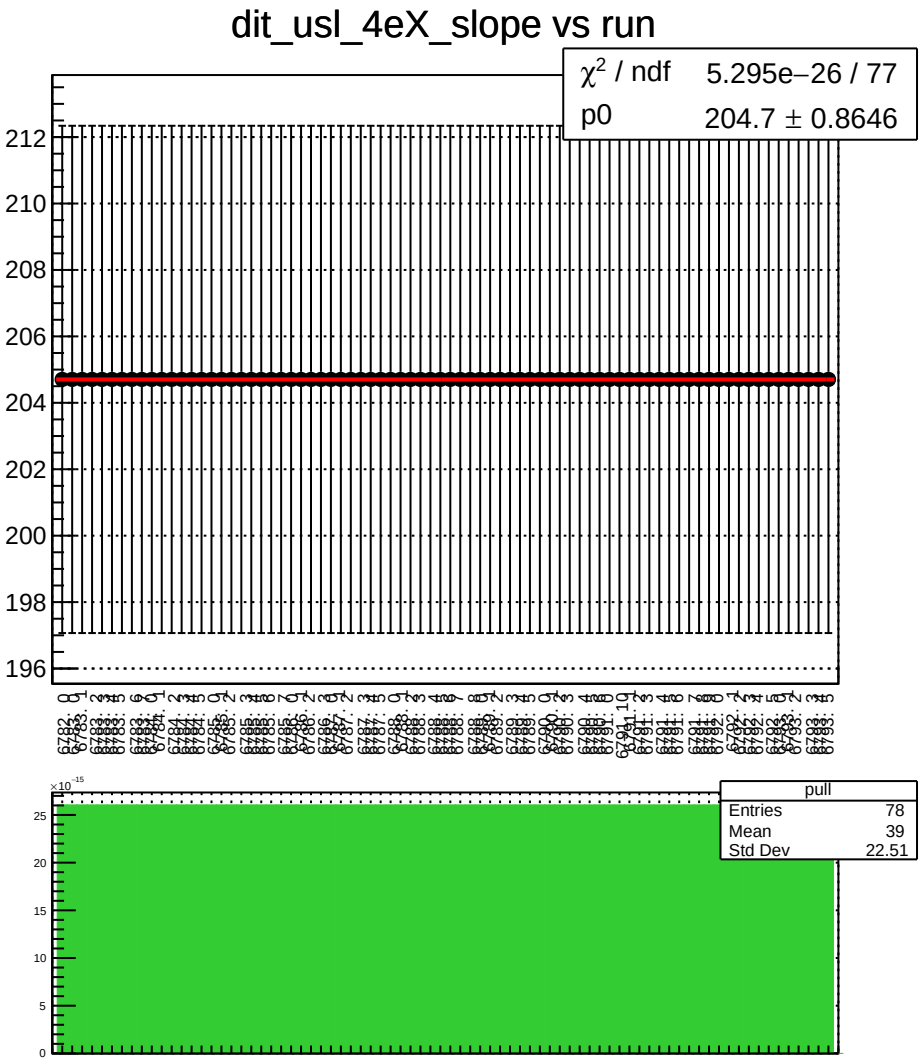

asym_sam_12345678_avg_mean vs run
χ² / ndf 72.7 / 77
p0 2522 ± 691.8
pull
Entries 78
Mean −1177
Std Dev 1209
pull1D
Entries 78
Mean 0.003446
Std Dev 0.9654

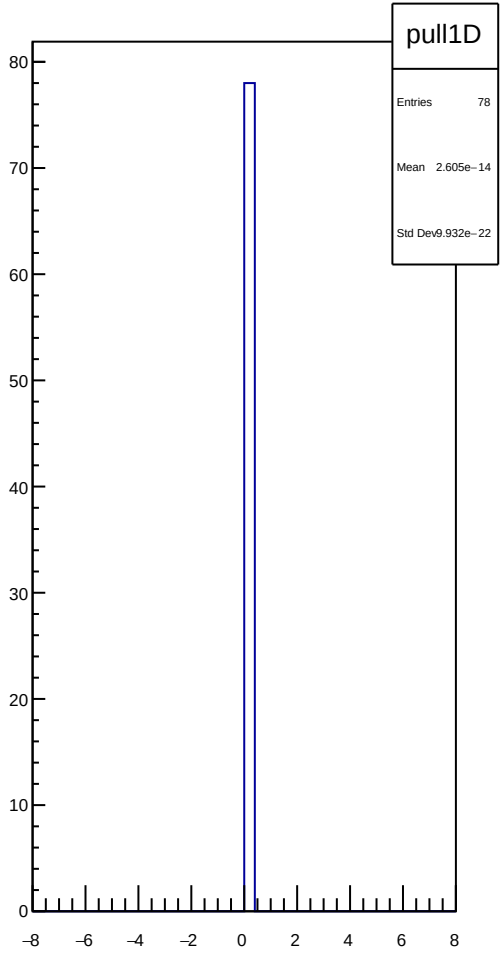
asym_sam_12345678_avg_rms vs run

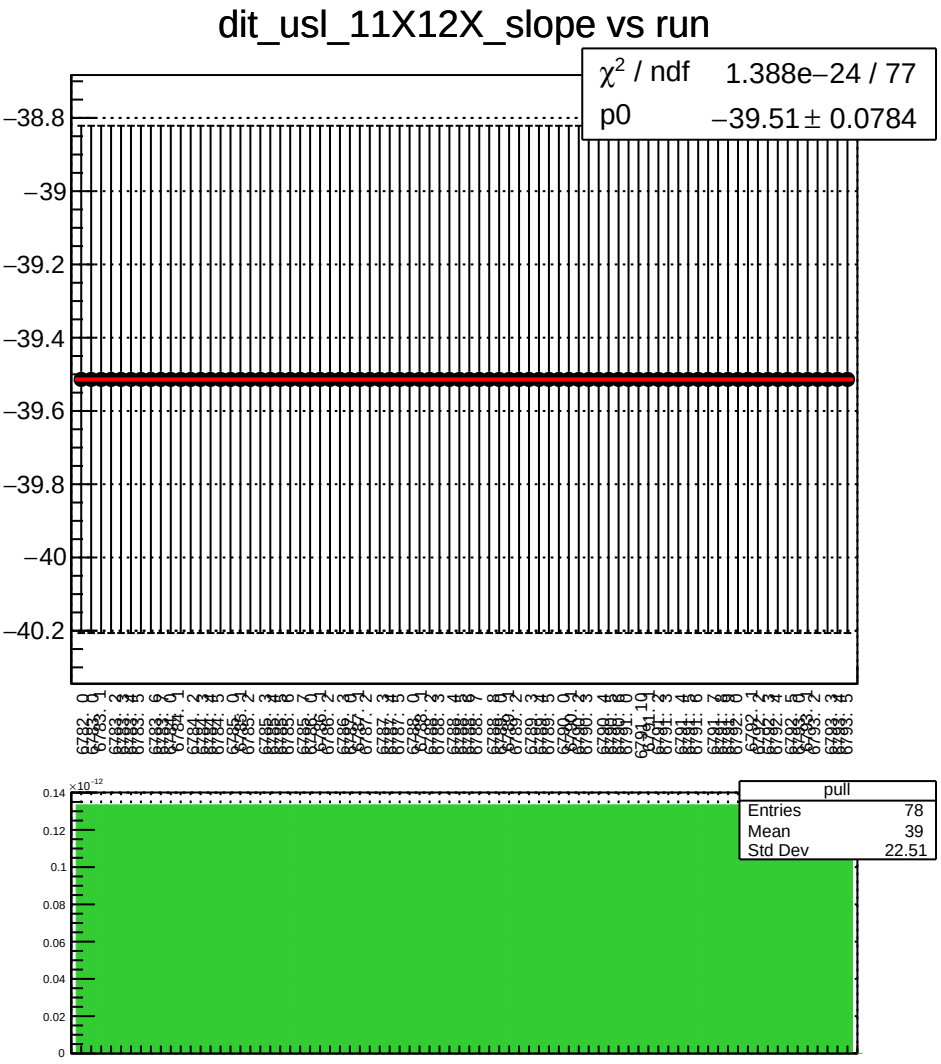


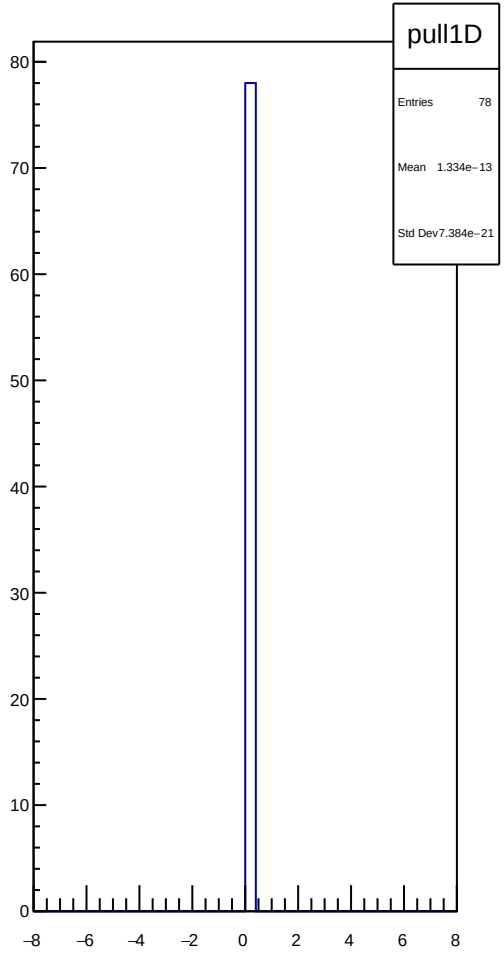

dit_usl_4aX_slope vs run
χ^2 / ndf 2.253e−25 / 77
p0 −253.5 ± 0.8384
−246
−248
−250
−252
−254
−256
−258
−260
−262
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
50
40
30
20
10
0

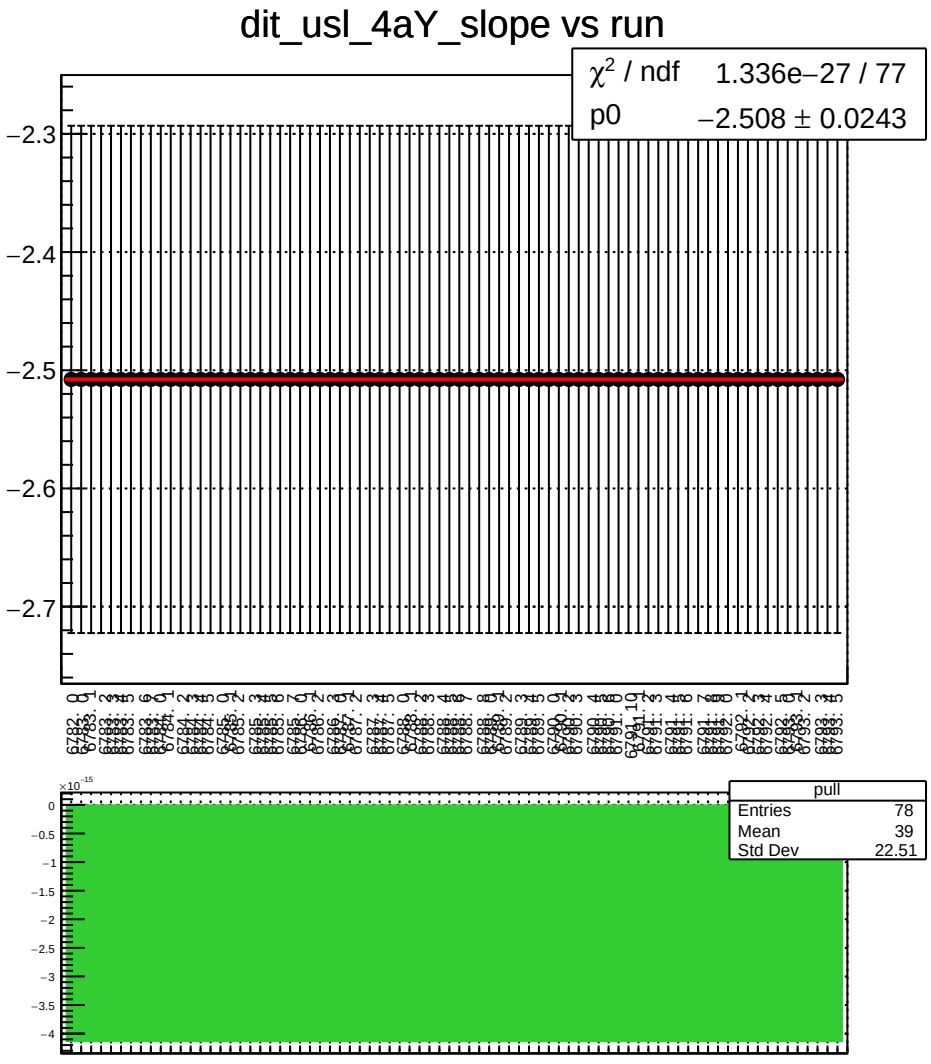

pull1D
Entries 78
Mean 5.374e−14
Std Dev 2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

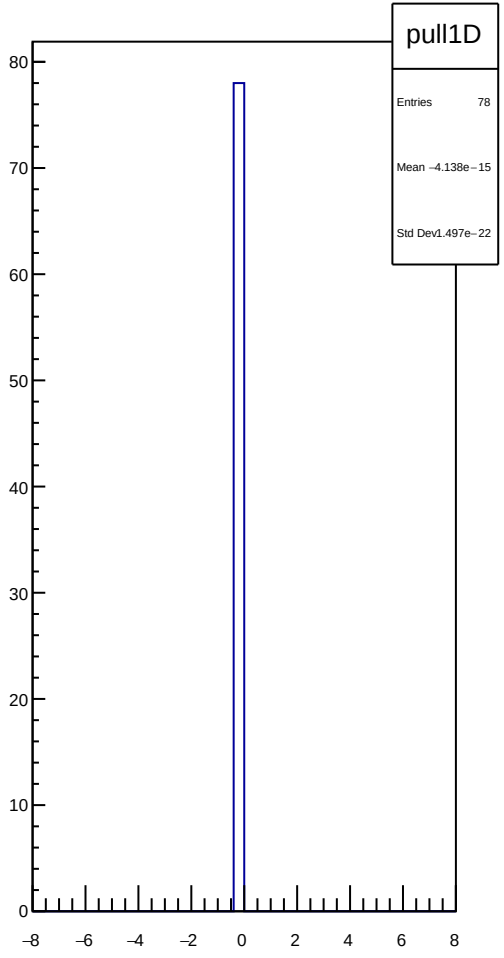

dit_usl_4eX_slope vs run
χ^2 / ndf 5.295e−26 / 77
p0 204.7 ± 0.8646
212
210
208
206
204
202
200
198
196
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
25
20
15
10
5
0

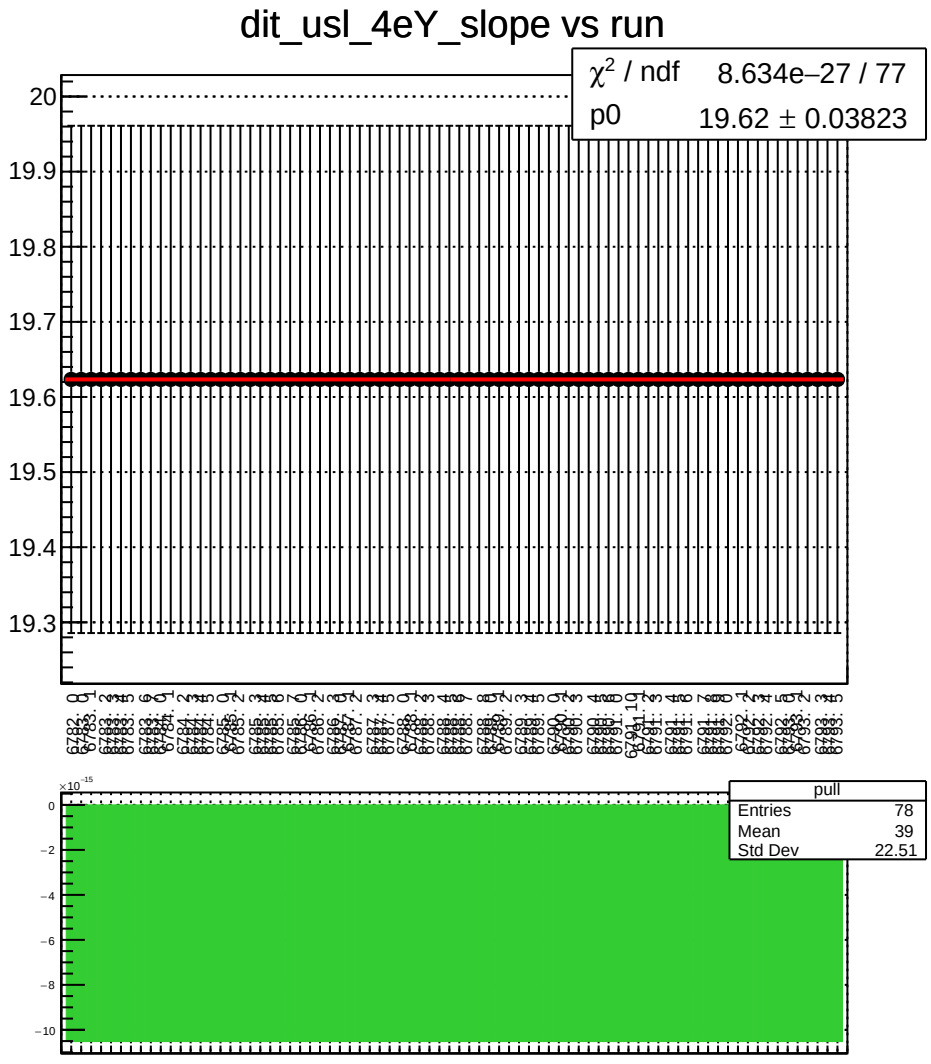

pull1D
Entries 78
Mean 2.605e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

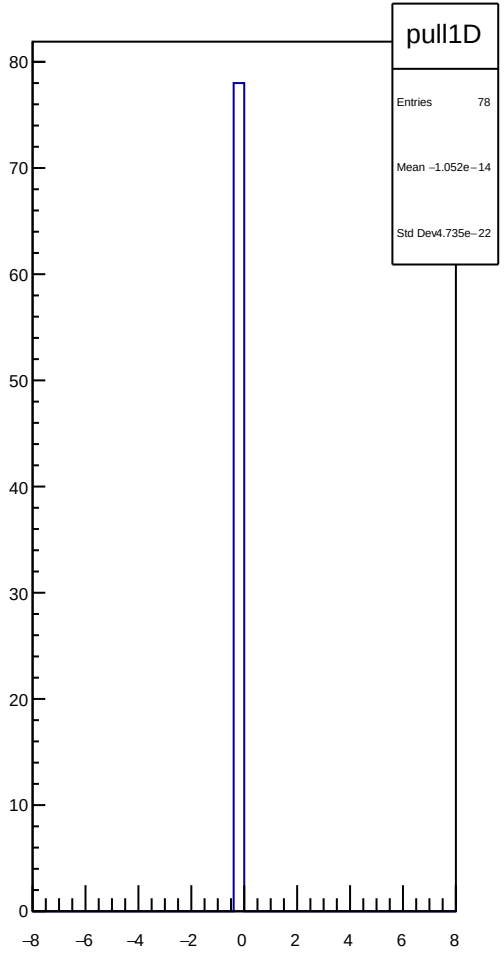

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.388e−24 / 77
p0 −39.51 ± 0.0784
−38.8
−39
−39.2
−39.4
−39.6
−39.8
−40
−40.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

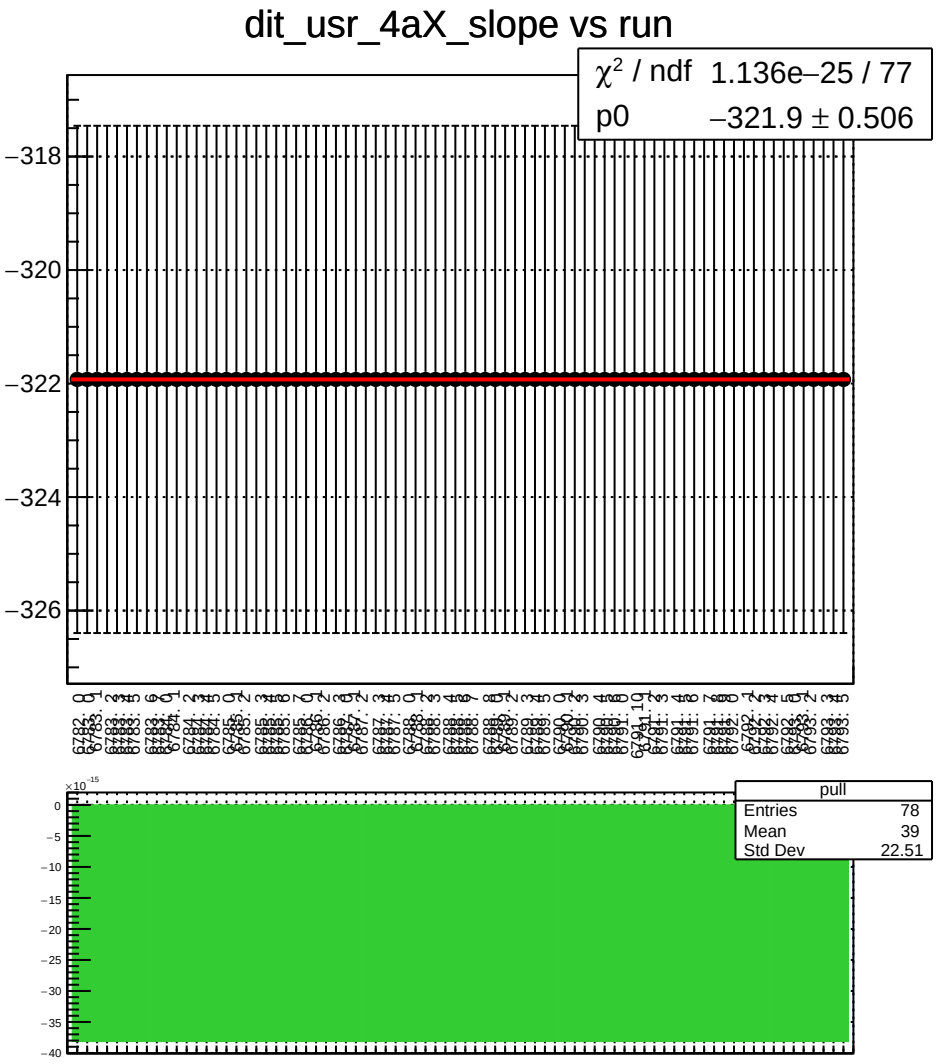

pull1D
Entries 78
Mean 1.334e−13
Std Dev 7.384e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

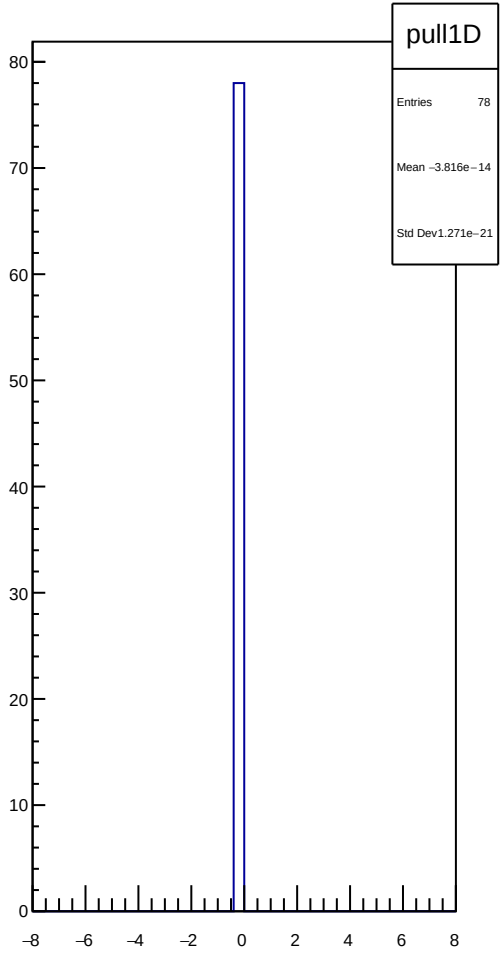

dit_usl_4aY_slope vs run
χ^2 / ndf 1.336e−27 / 77
p0 −2.508 ± 0.0243
−2.3
−2.4
−2.5
−2.6
−2.7
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

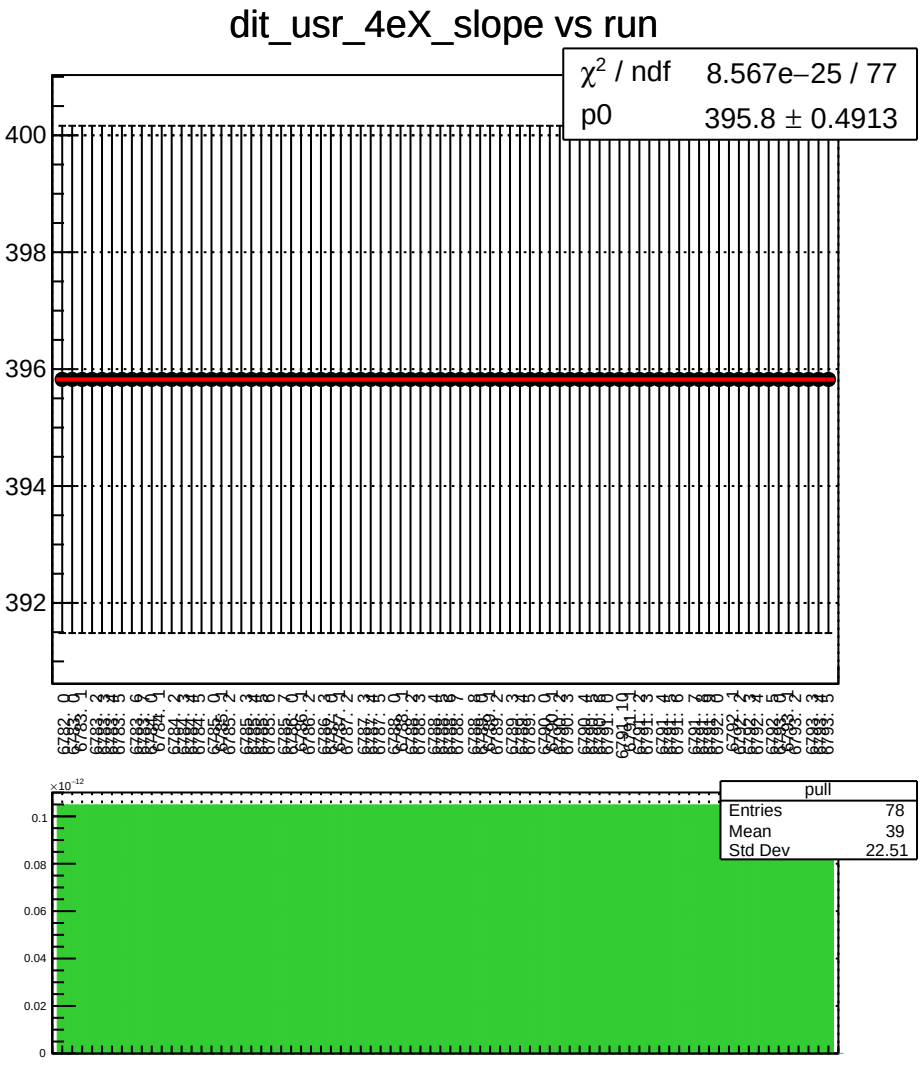

pull1D
Entries 78
Mean −4.138e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

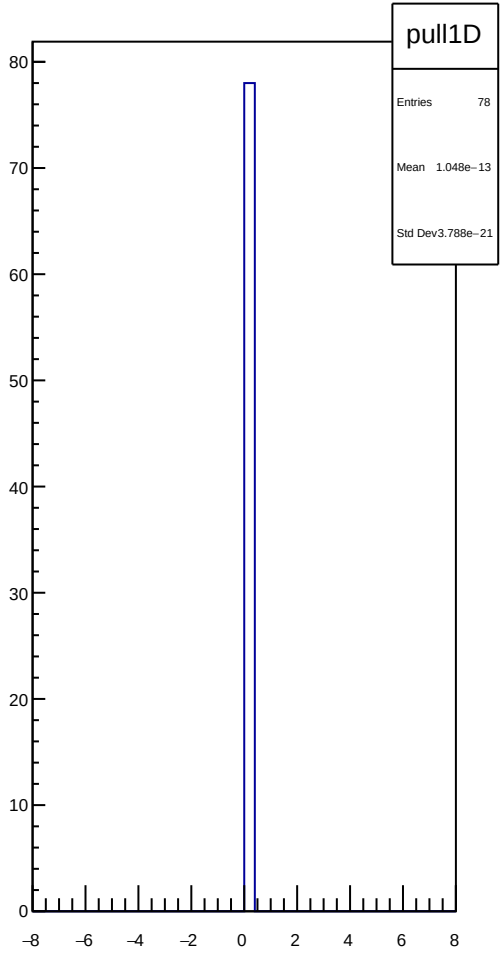

dit_usl_4eY_slope vs run
χ^2 / ndf 8.634e−27 / 77
p0 19.62 ± 0.03823
20
19.9
19.8
19.7
19.6
19.5
19.4
19.3
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−2
−4
−6
−8
−10


pull1D
Entries 78
Mean −1.052e−14
Std Dev4.735e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

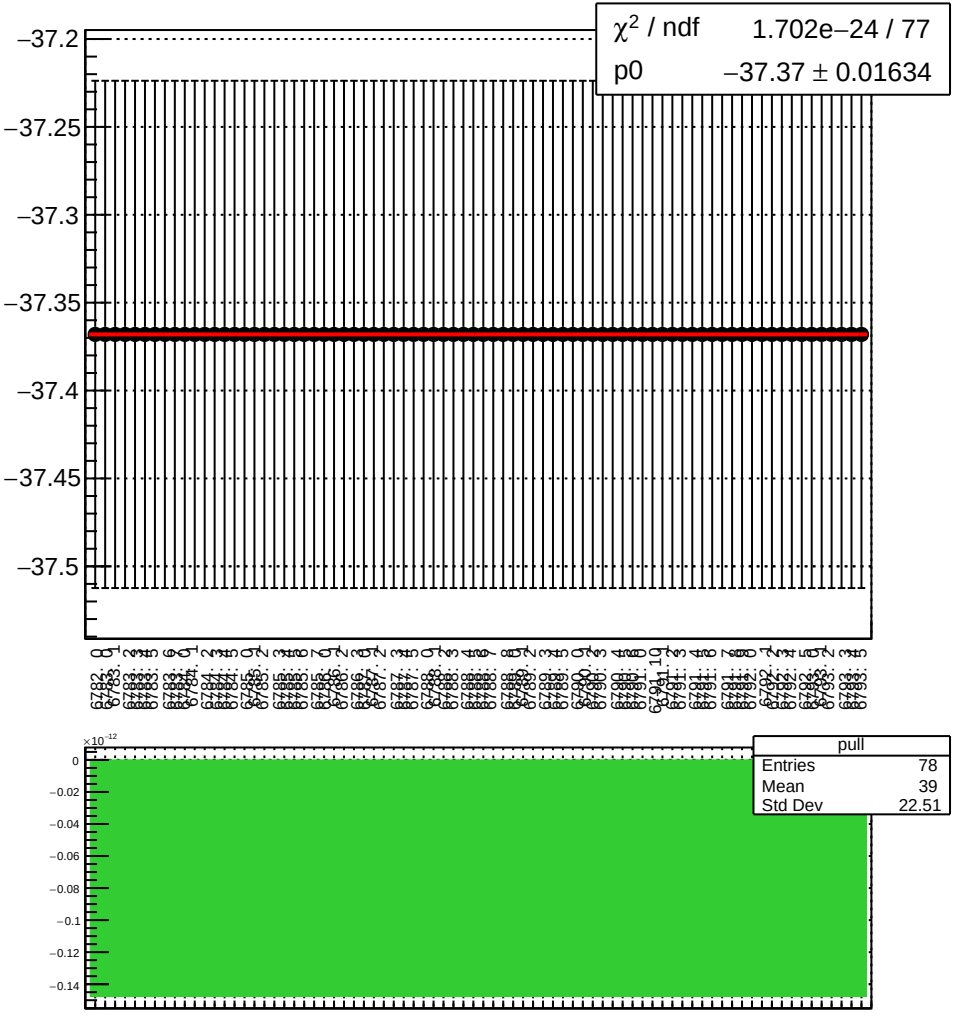

dit_usr_4aX_slope vs run
χ^2 / ndf 1.136e−25 / 77
p0 −321.9 ± 0.506
−318
−320
−322
−324
−326
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

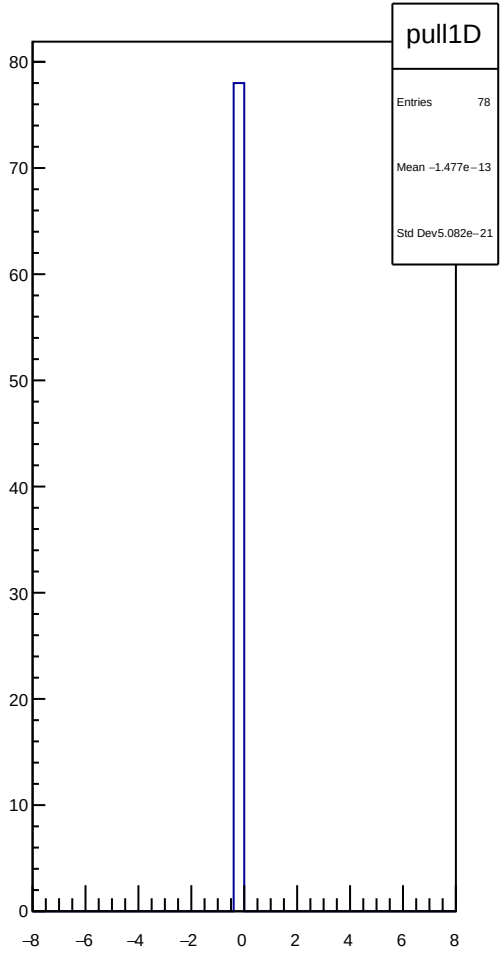

pull1D
Entries 78
Mean −3.816e−14
Std Dev 1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

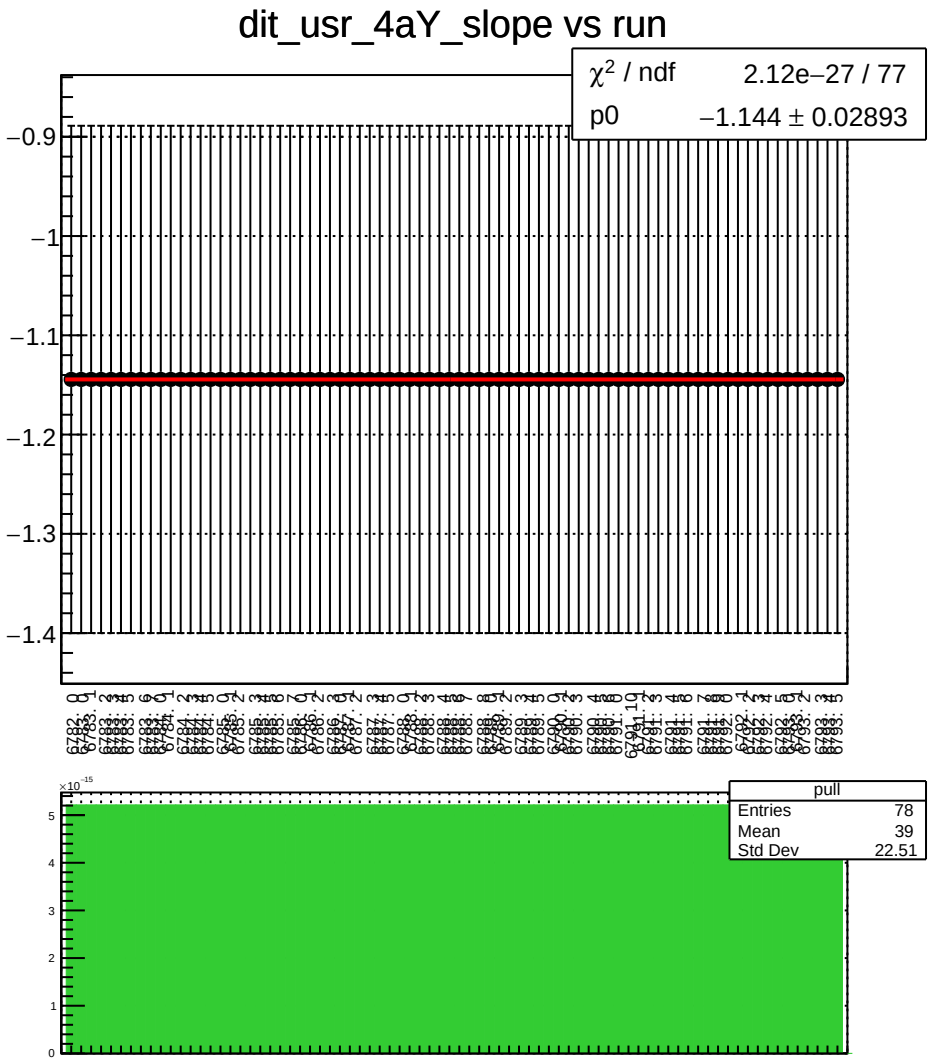

dit_usr_4eX_slope vs run
χ^2 / ndf 8.567e−25 / 77
p0 395.8 ± 0.4913
400
398
396
394
392
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

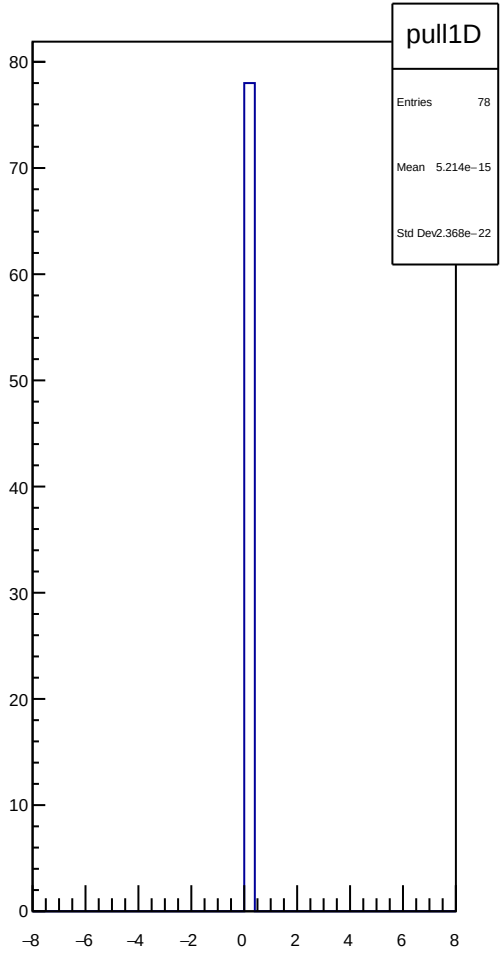

pull1D
Entries 78
Mean 1.048e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

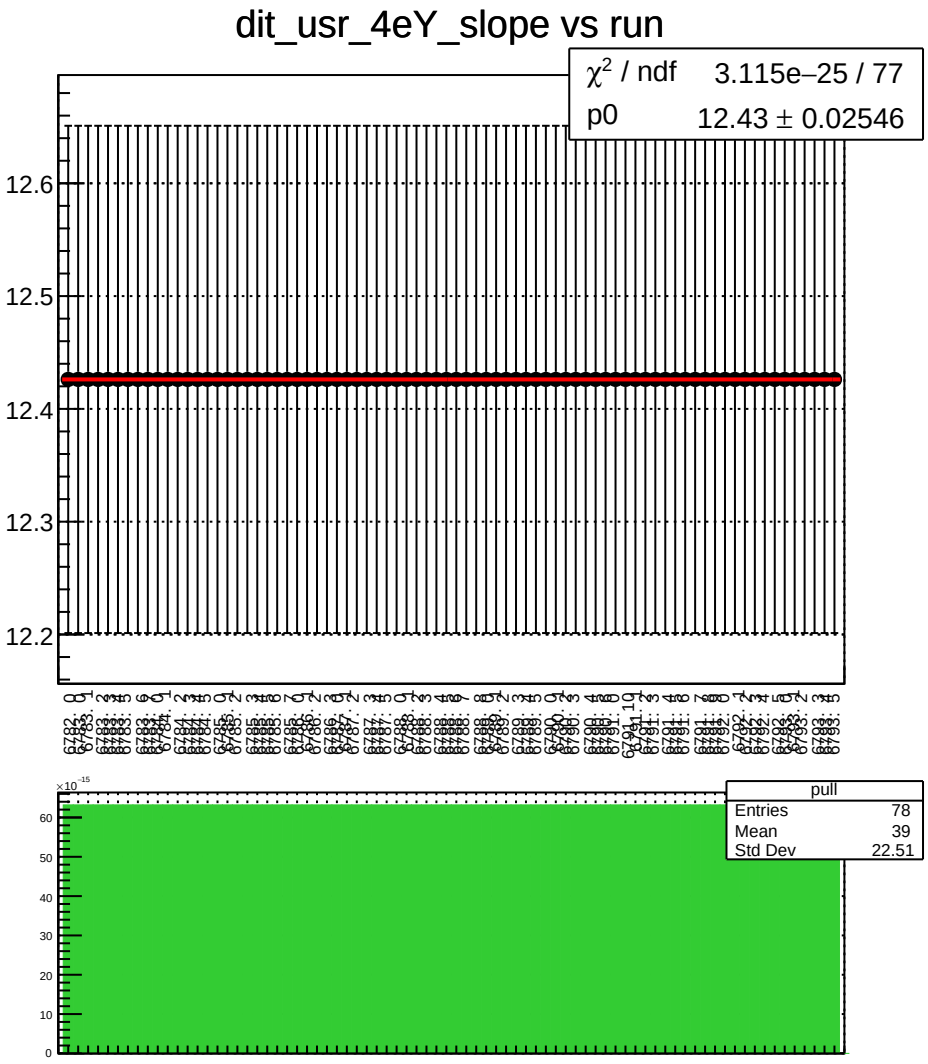
dit_usr_11X12X_slope vs run

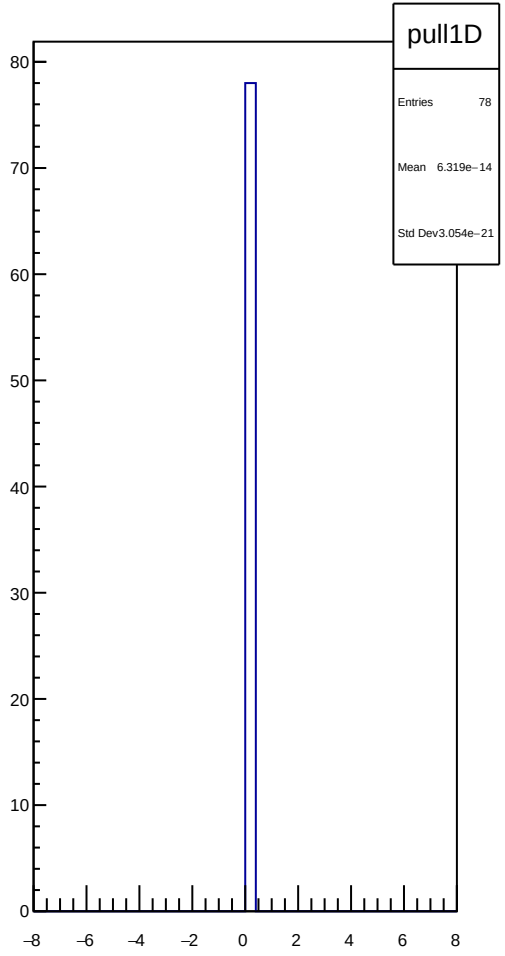


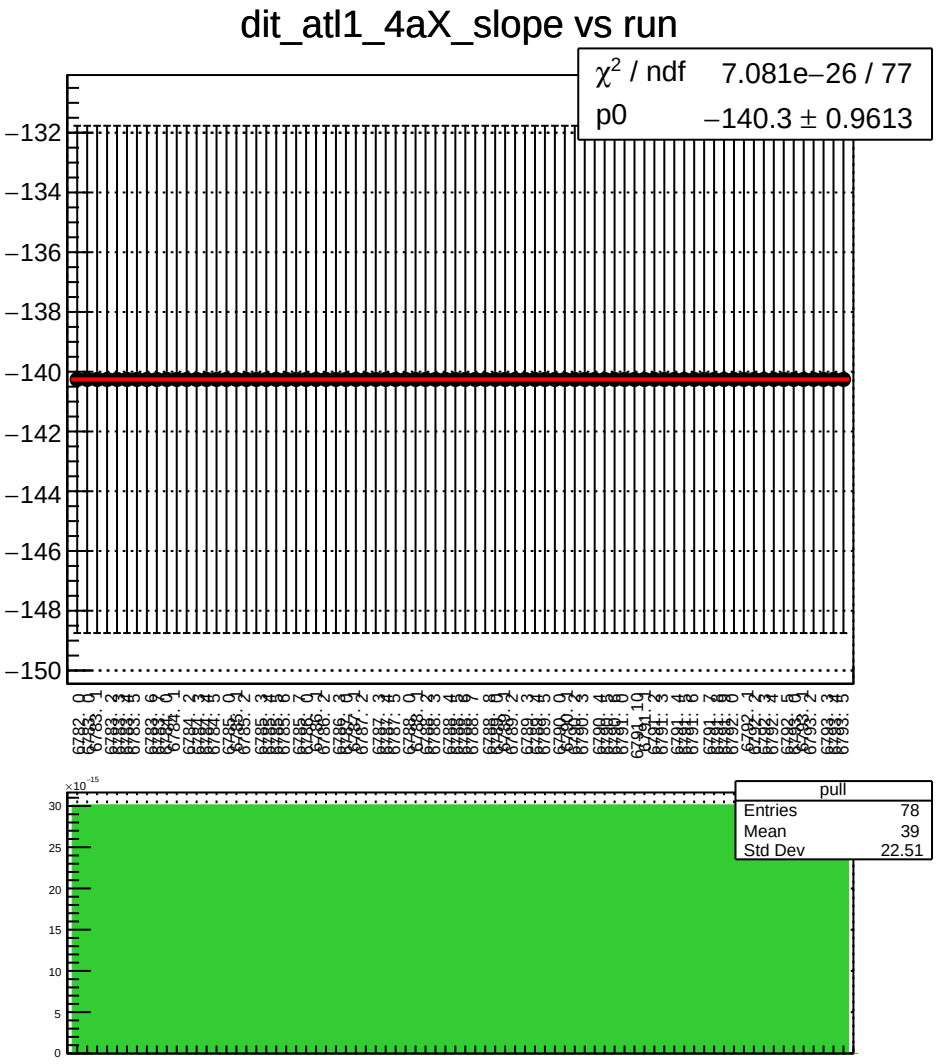


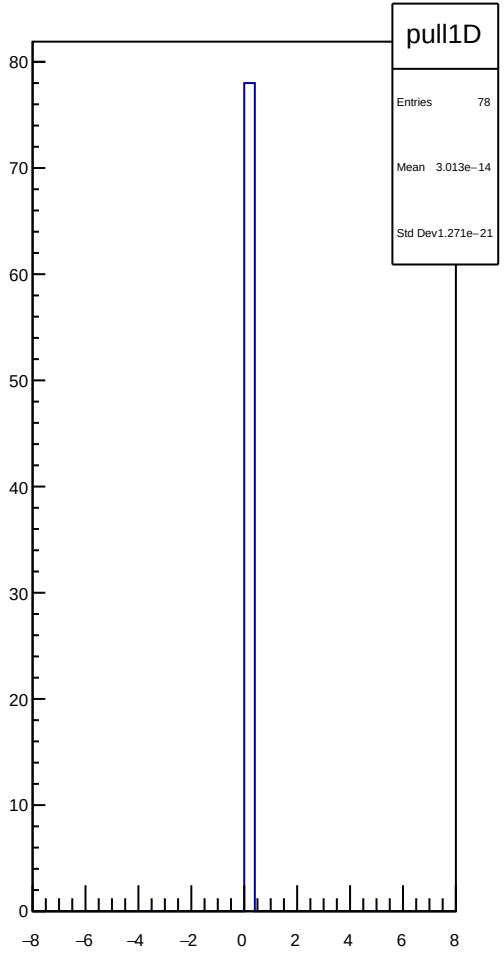

dit_usr_4aY_slope vs run
χ² / ndf 2.12e−27 / 77
p0 −1.144 ± 0.02893
−0.9
−1
−1.1
−1.2
−1.3
−1.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
5
4
3
2
1
0


pull1D
Entries 78
Mean 5.214e−15
Std Dev 2.368e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

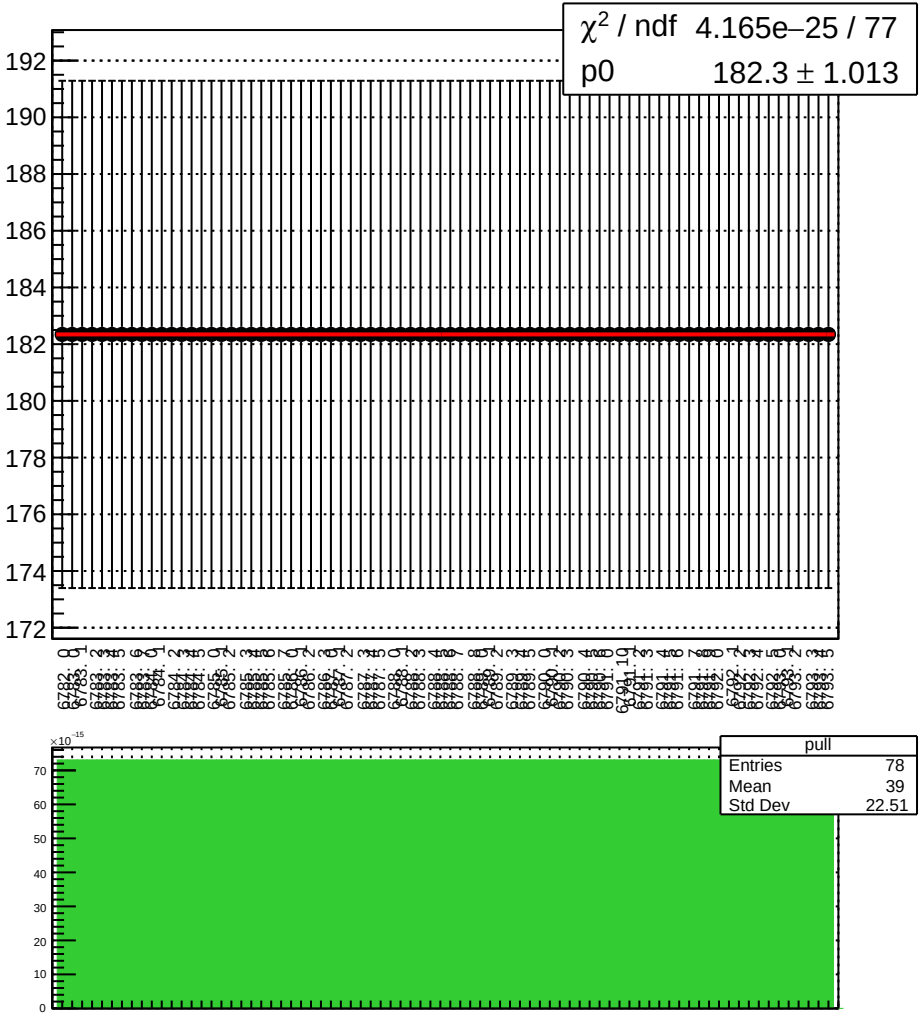

dit_usr_4eY_slope vs run
χ^2 / ndf 3.115e−25 / 77
p0 12.43 ± 0.02546
12.6
12.5
12.4
12.3
12.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
60
50
40
30
20
10
0

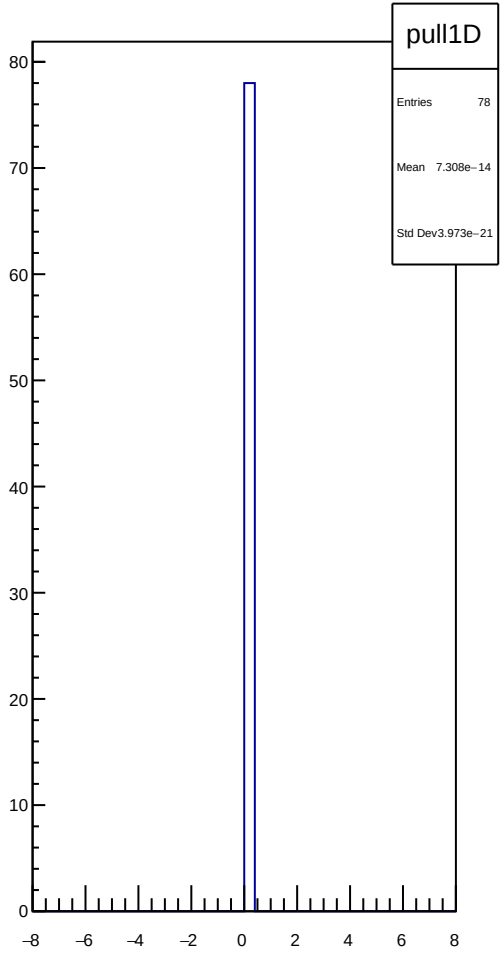

pull1D
Entries 78
Mean 6.319e−14
Std Dev3.054e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

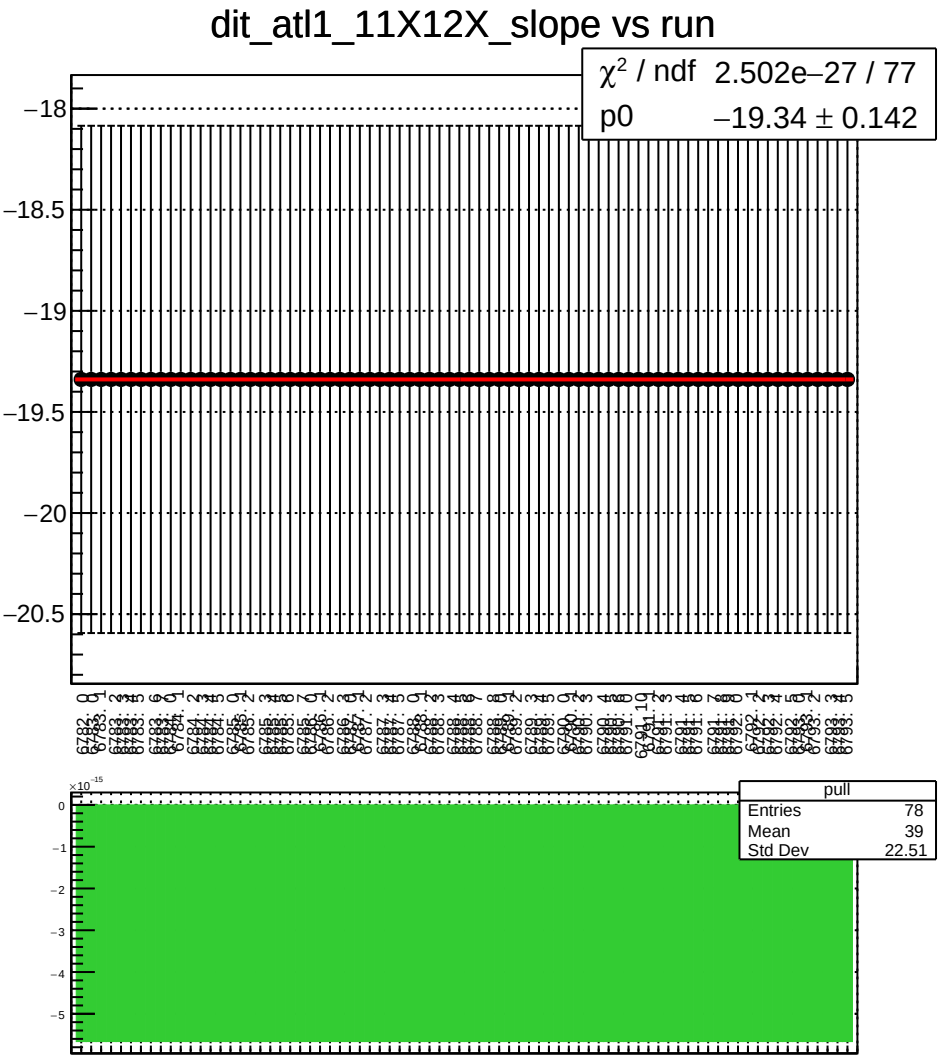

dit_atl1_4aX_slope vs run
χ^2 / ndf 7.081e−26 / 77
p0 −140.3 ± 0.9613
pull
Entries 78
Mean 39
Std Dev 22.51

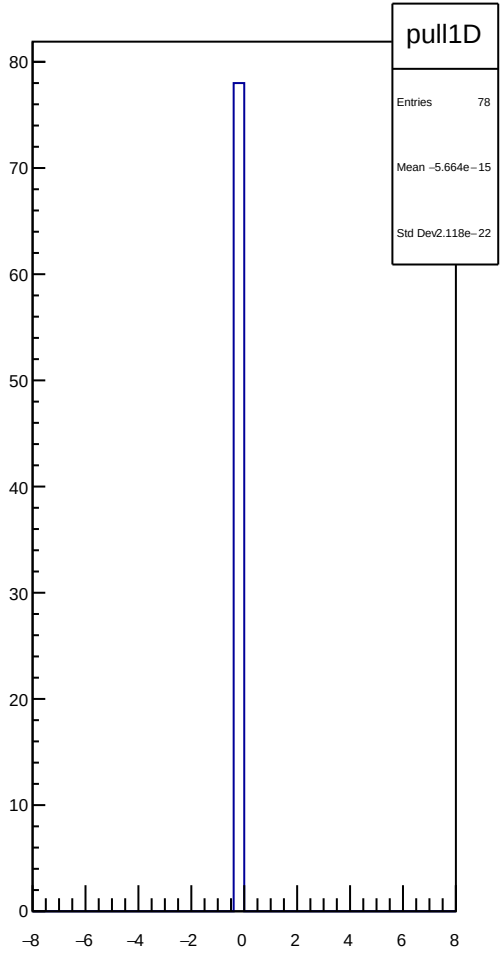

pull1D
Entries 78
Mean 3.013e−14
Std Dev 1.271e−21

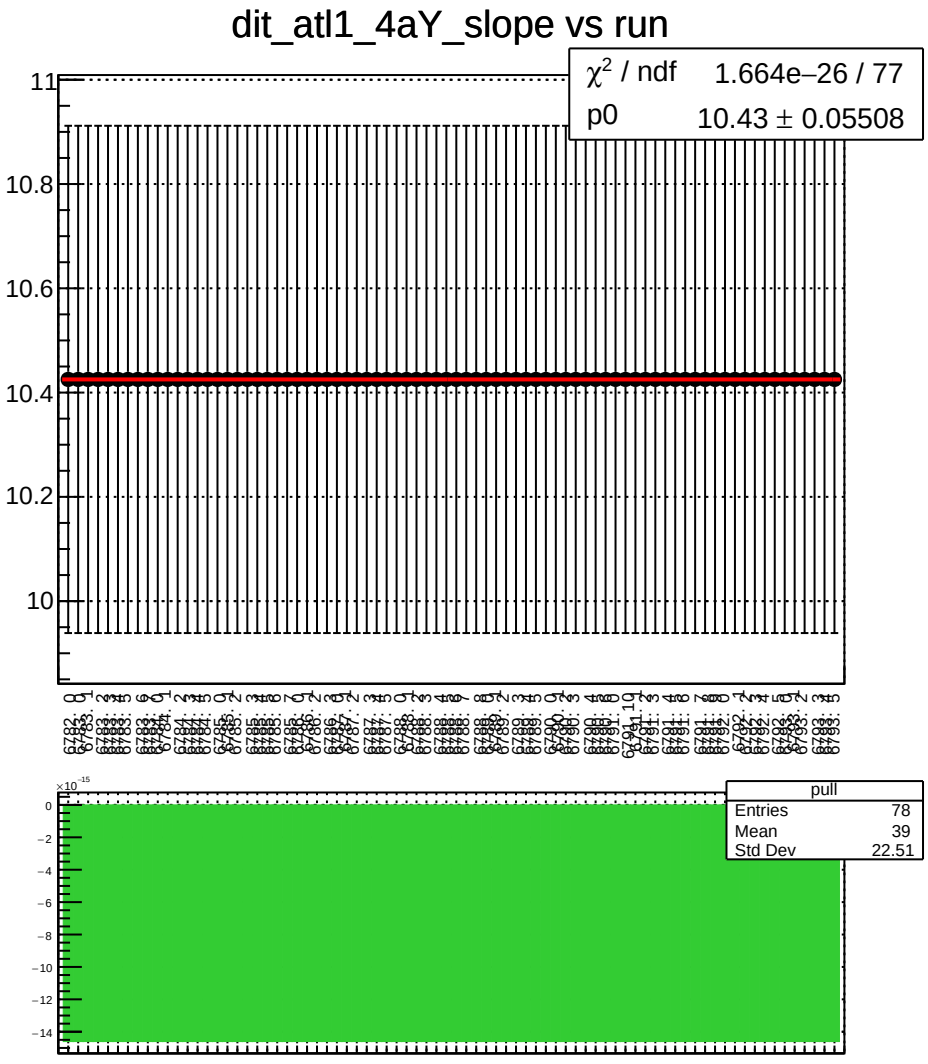
dit_atl1_4eX_slope vs run

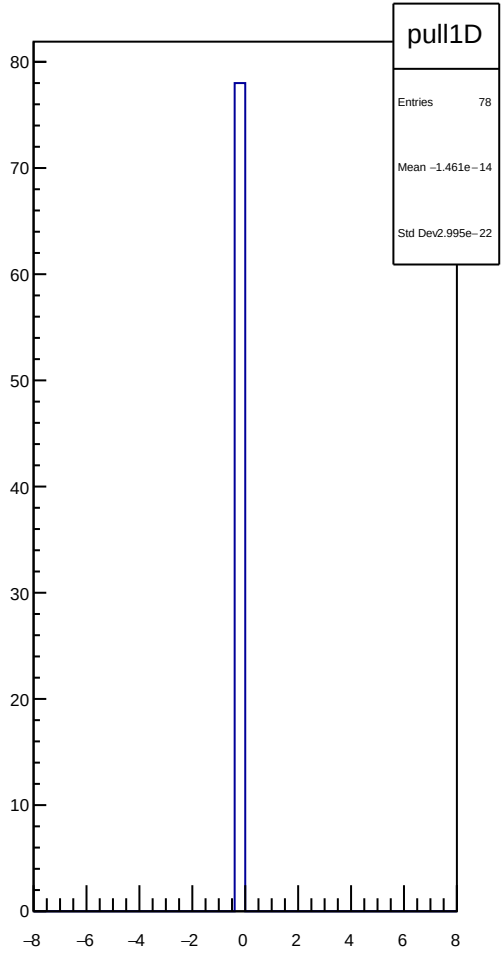


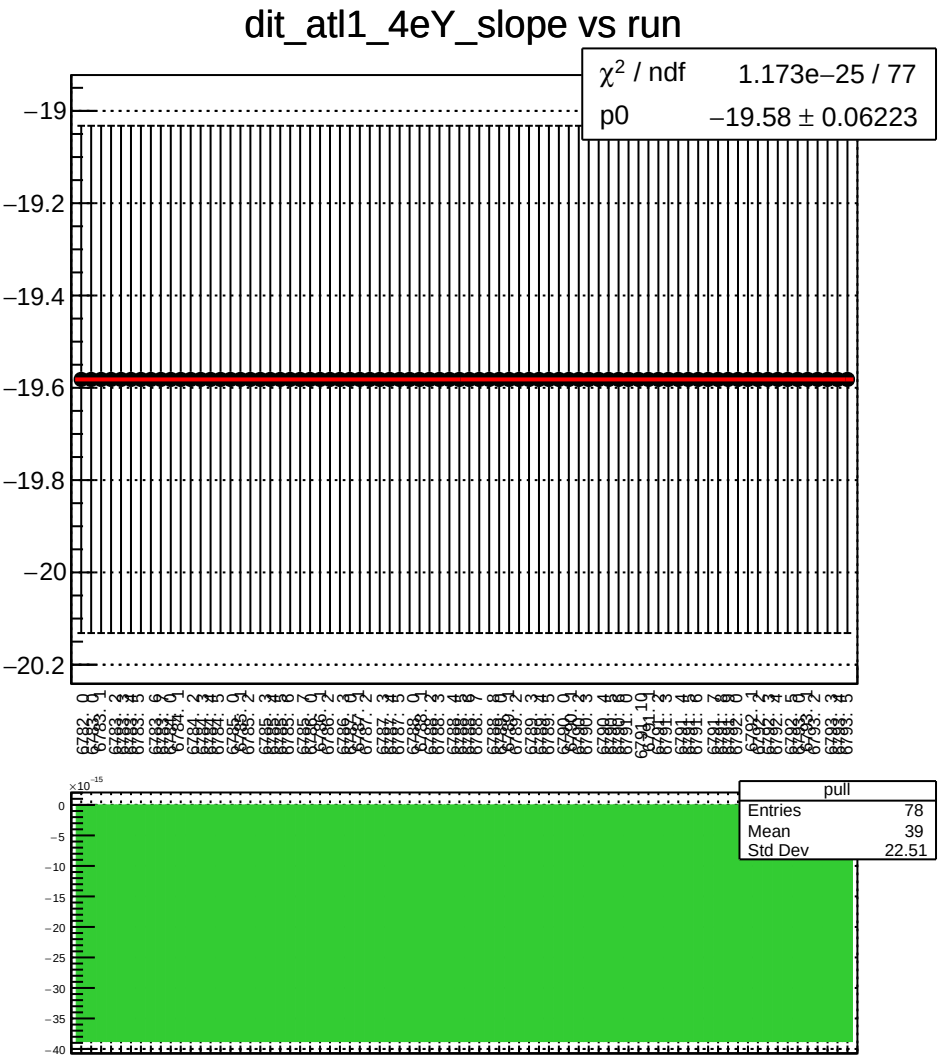


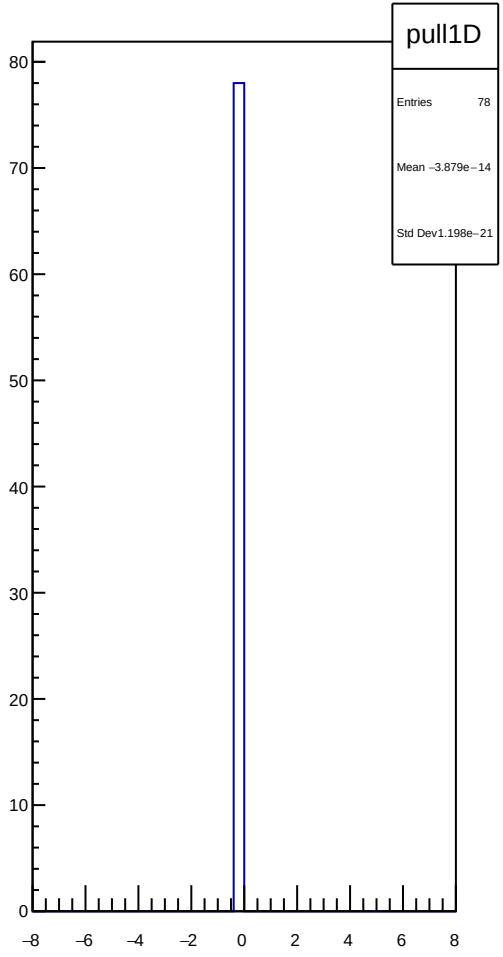

dit_atl1_11X12X_slope vs run
χ^2 / ndf 2.502e−27 / 77
p0 −19.34 ± 0.142
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−1
−2
−3
−4
−5


pull1D
Entries 78
Mean −5.664e−15
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

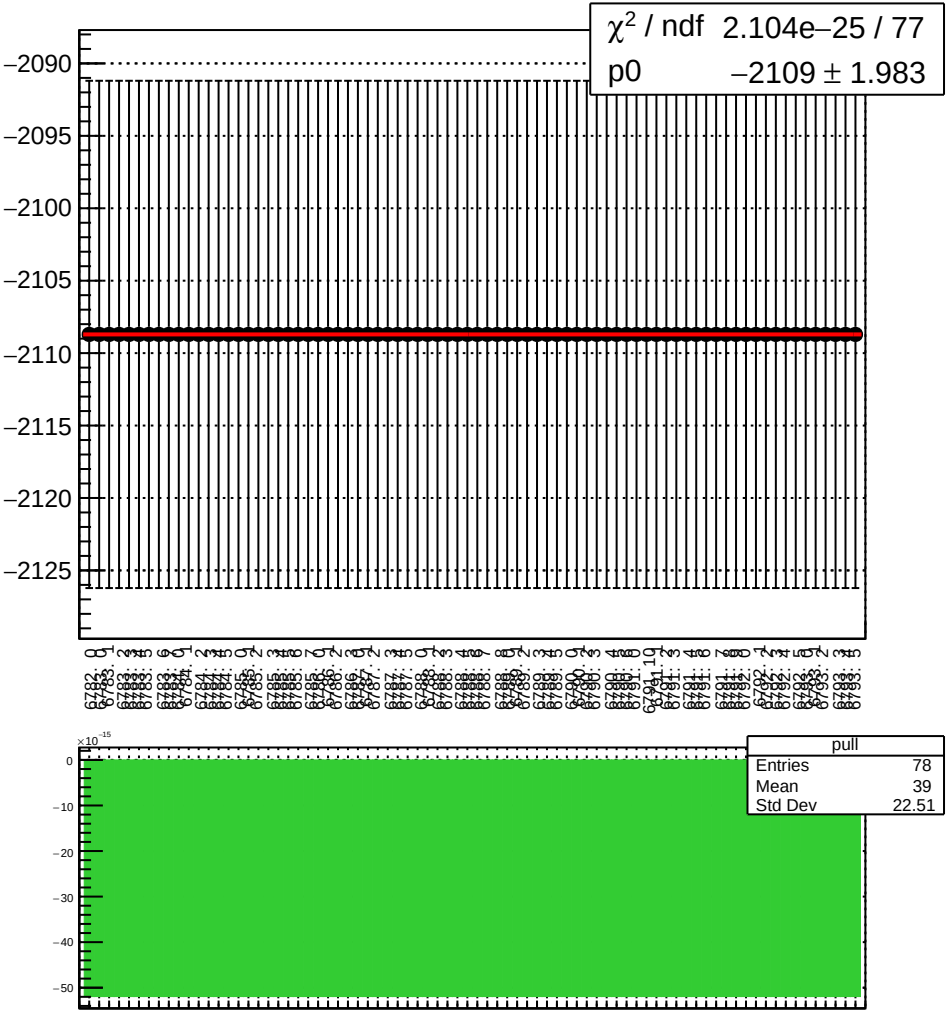

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.664e−26 / 77
p0 10.43 ± 0.05508
11
10.8
10.6
10.4
10.2
10
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−2
−4
−6
−8
−10
−12
−14

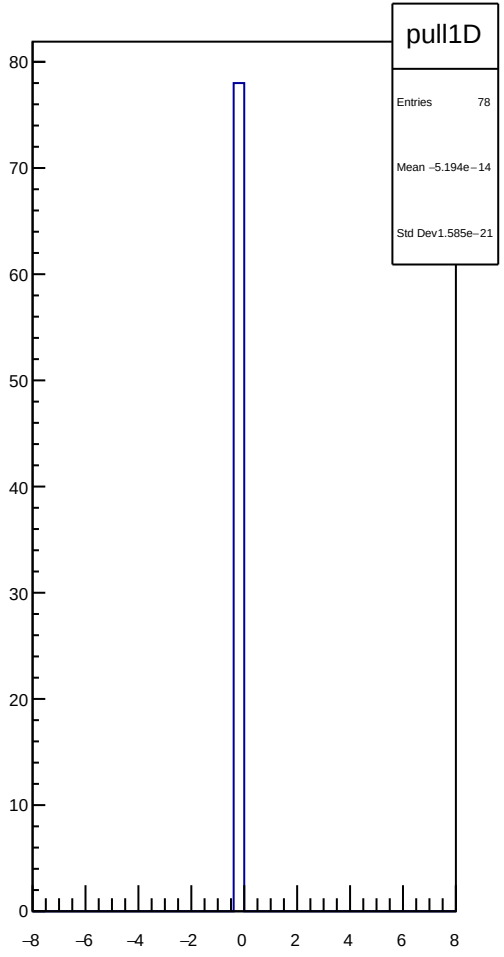

pull1D
Entries 78
Mean −1.461e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

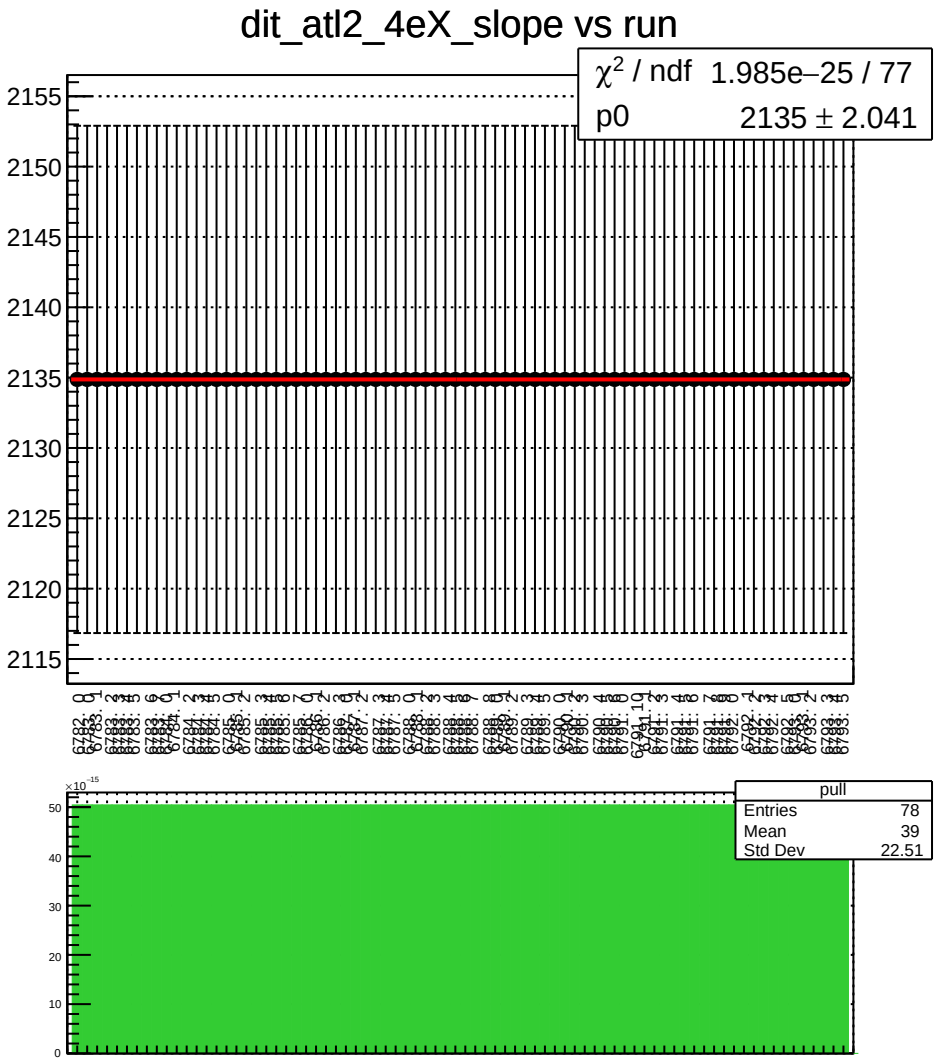

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.173e−25 / 77
p0 −19.58 ± 0.06223
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

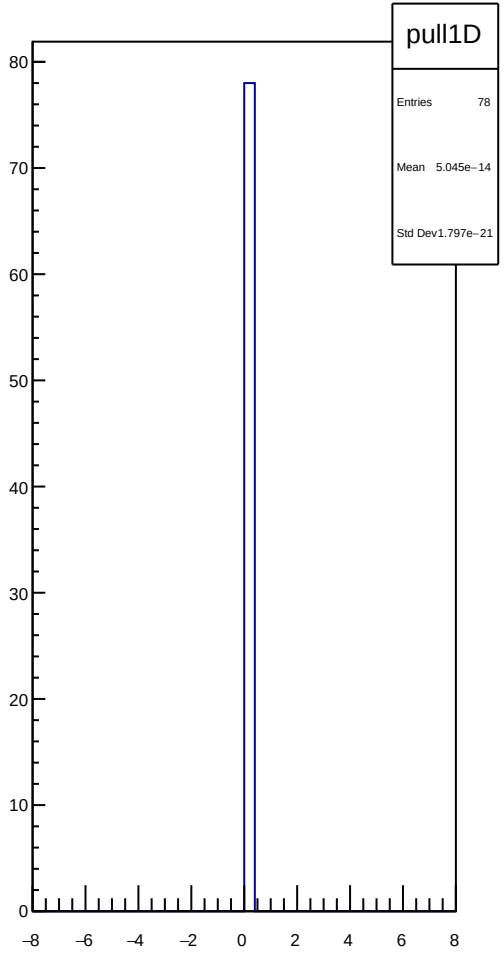

pull1D
Entries 78
Mean −3.879e−14
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

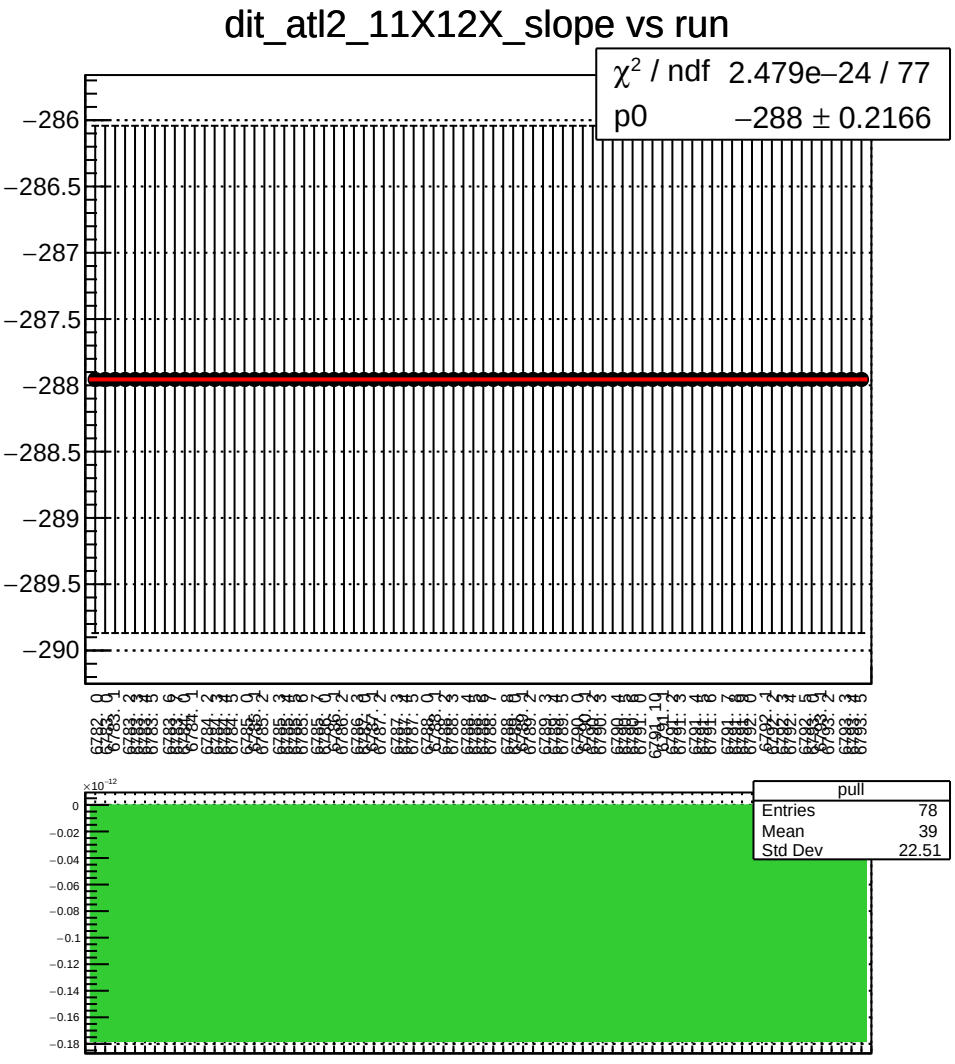
dit_atl2_4aX_slope vs run

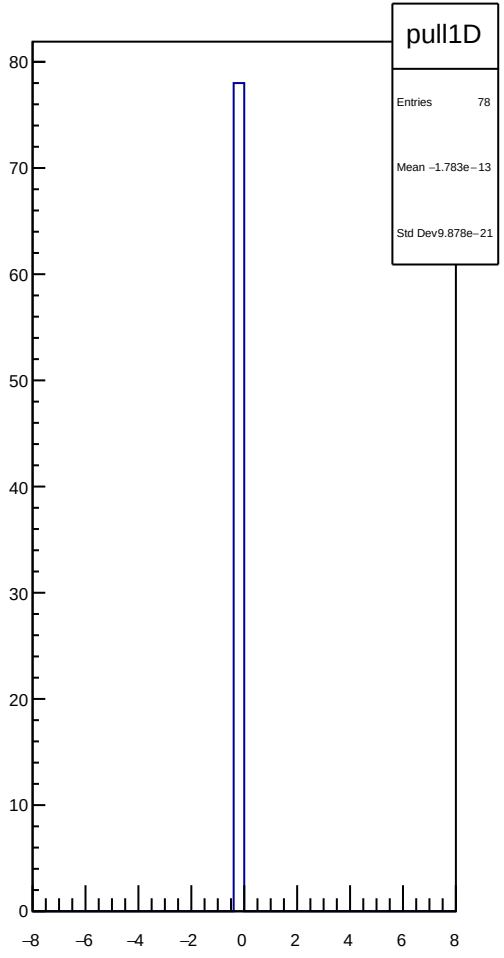


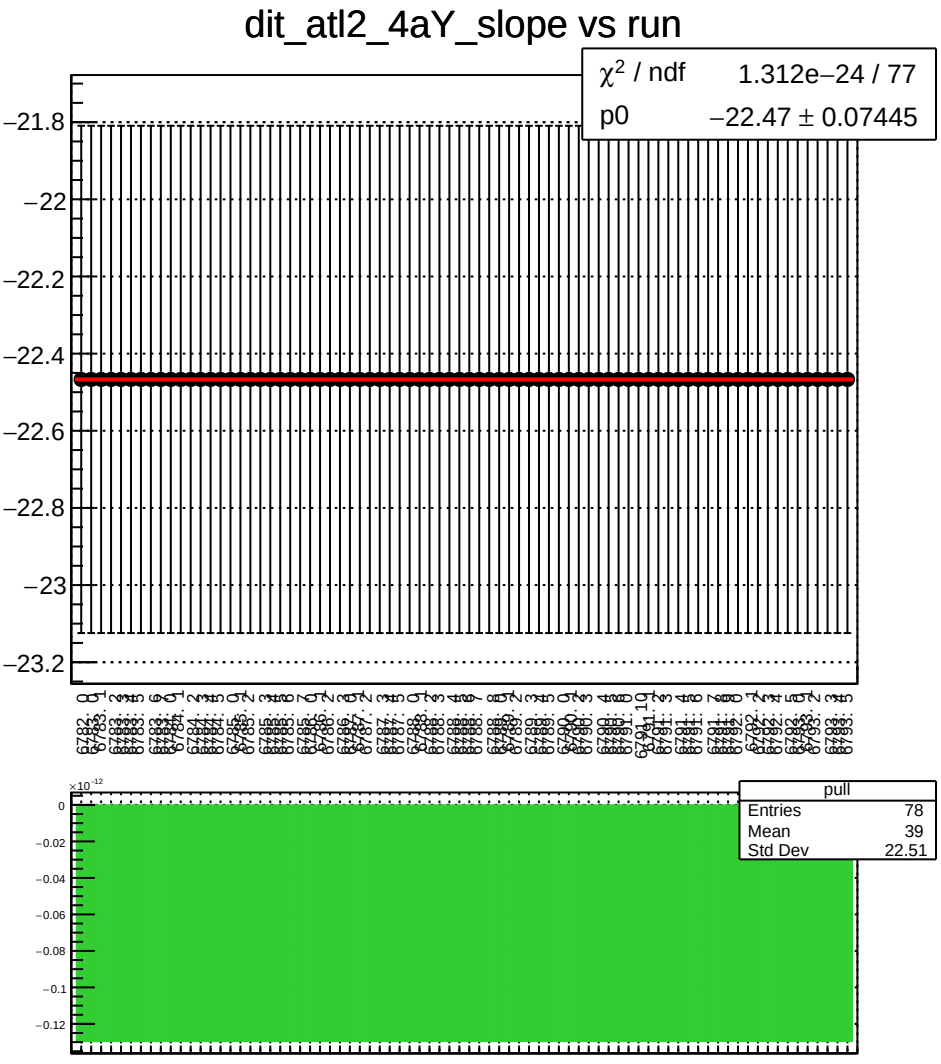


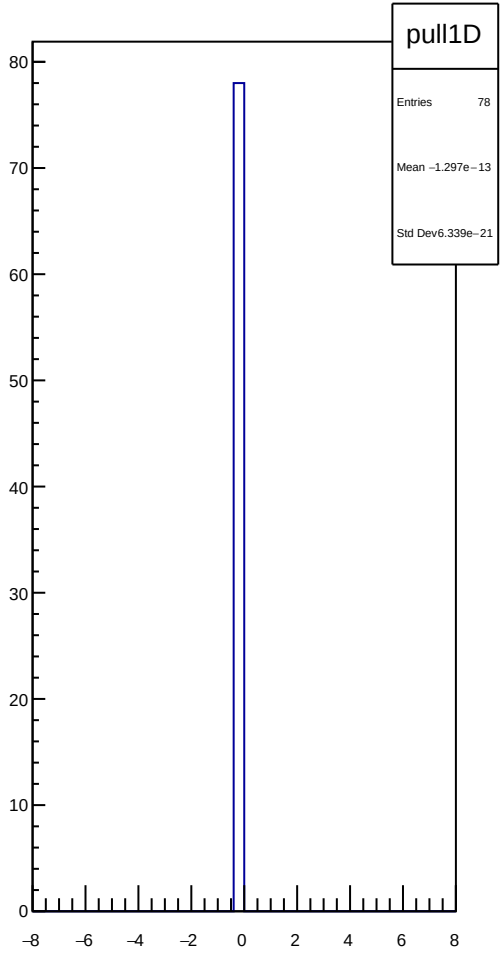

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.985e−25 / 77
p0 2135 ± 2.041
2155
2150
2145
2140
2135
2130
2125
2120
2115
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
50
40
30
20
10
0

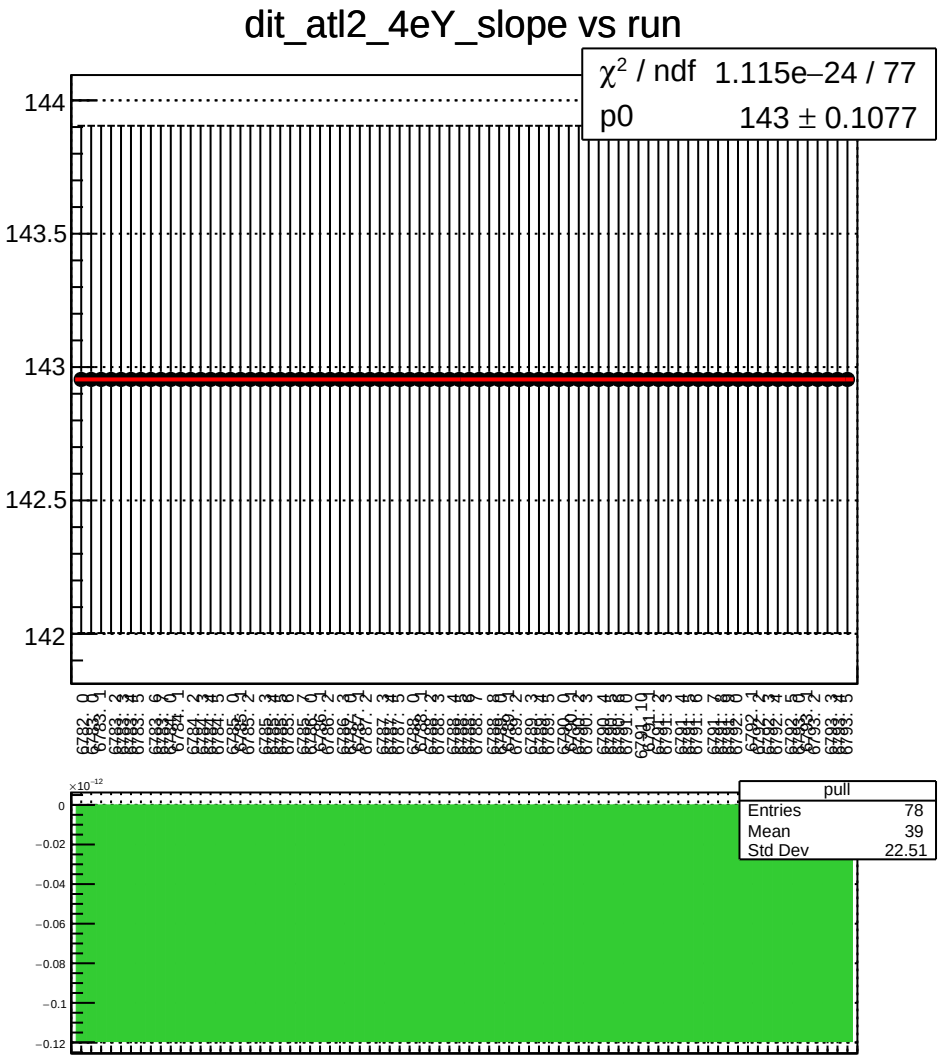

pull1D
Entries 78
Mean 5.045e−14
Std Dev 1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

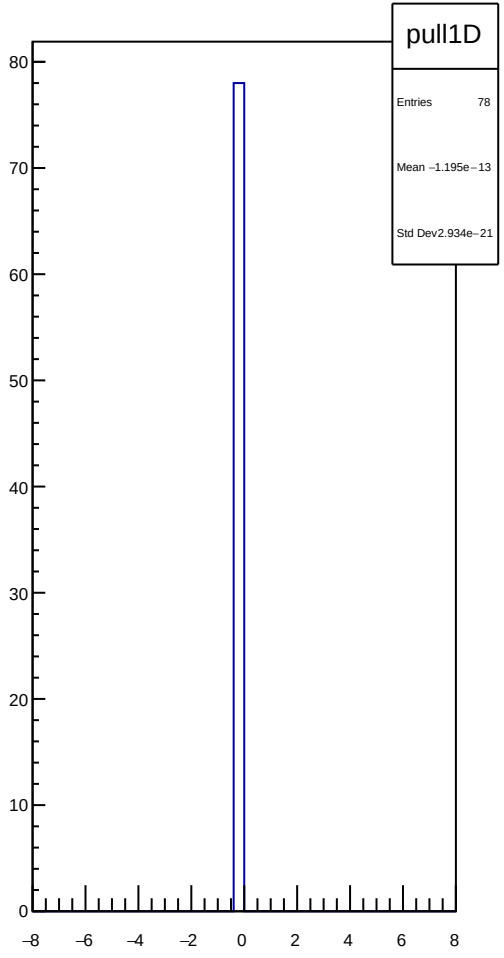

dit_atl2_11X12X_slope vs run
χ^2 / ndf 2.479e−24 / 77
p0 −288 ± 0.2166
−286
−286.5
−287
−287.5
−288
−288.5
−289
−289.5
−290
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

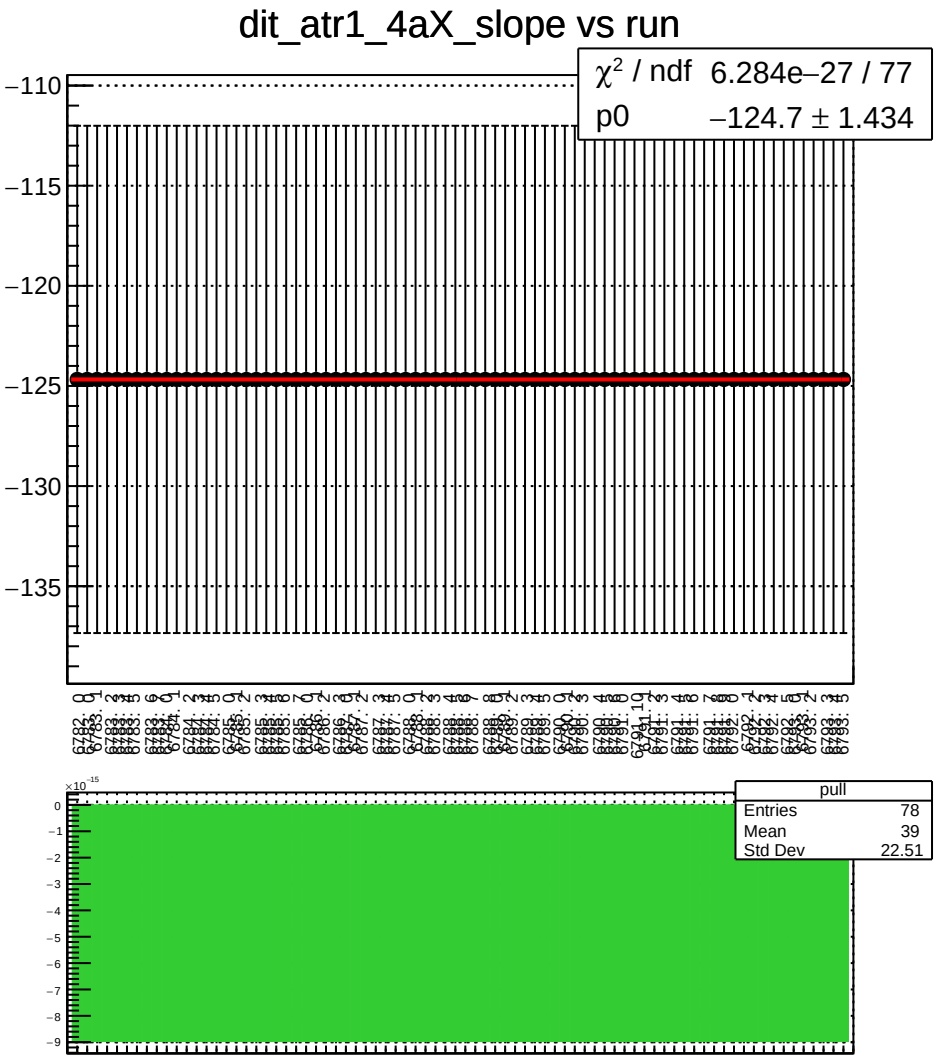

pull1D
Entries 78
Mean −1.783e−13
Std Dev 9.878e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

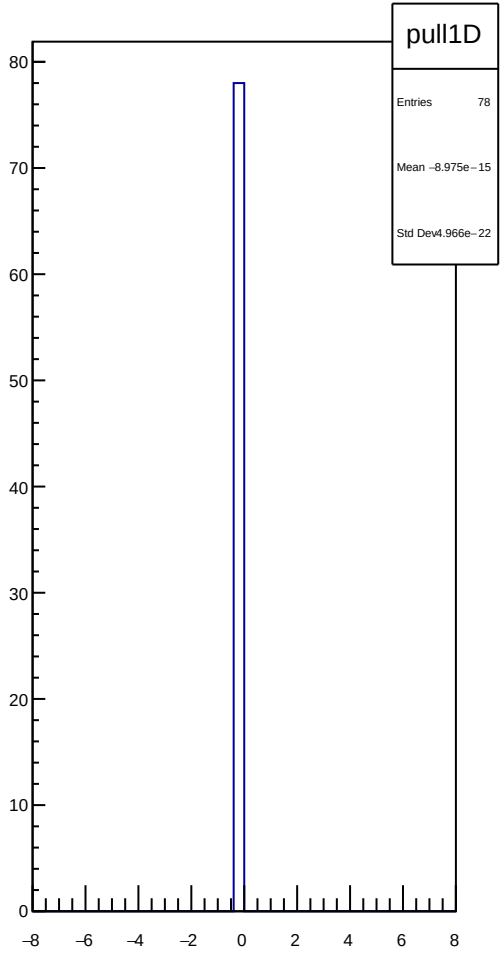

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.312e−24 / 77
p0 −22.47 ± 0.07445
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

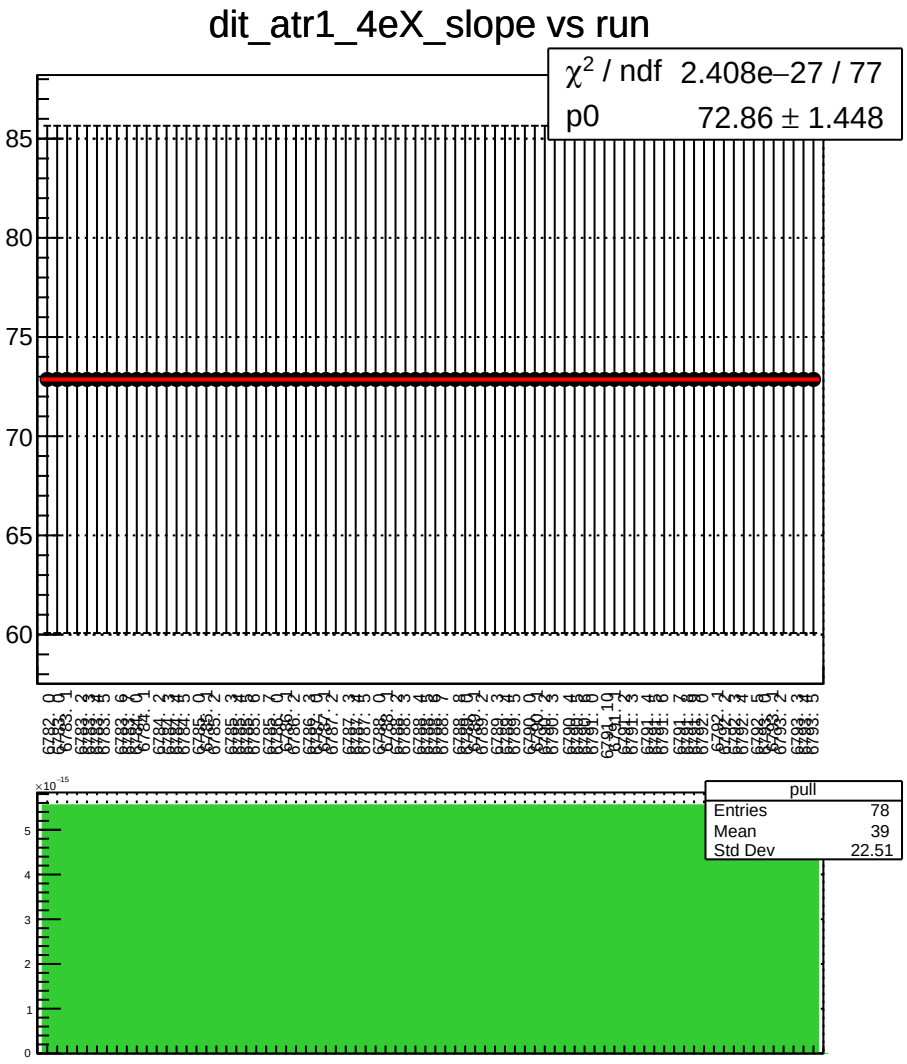

pull1D
Entries 78
Mean −1.297e−13
Std Dev 6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

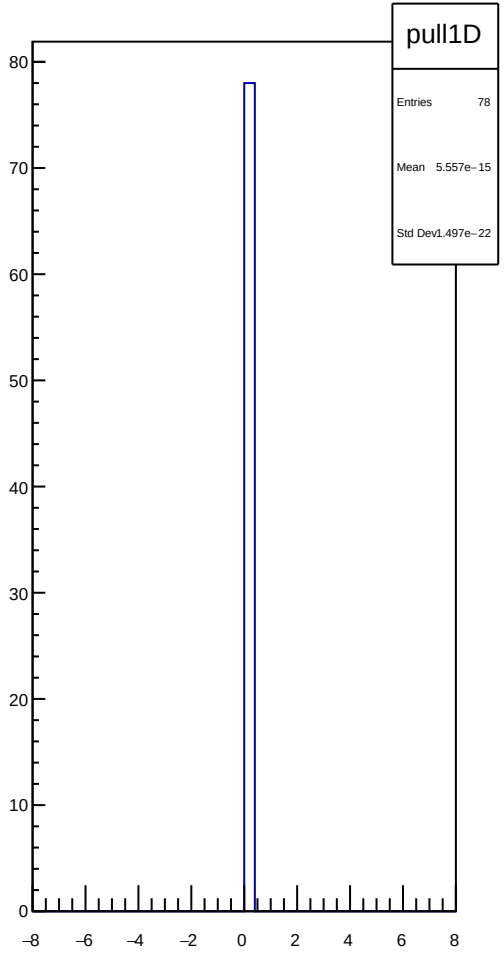

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.115e−24 / 77
p0 143 ± 0.1077
144
143.5
143
142.5
142
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

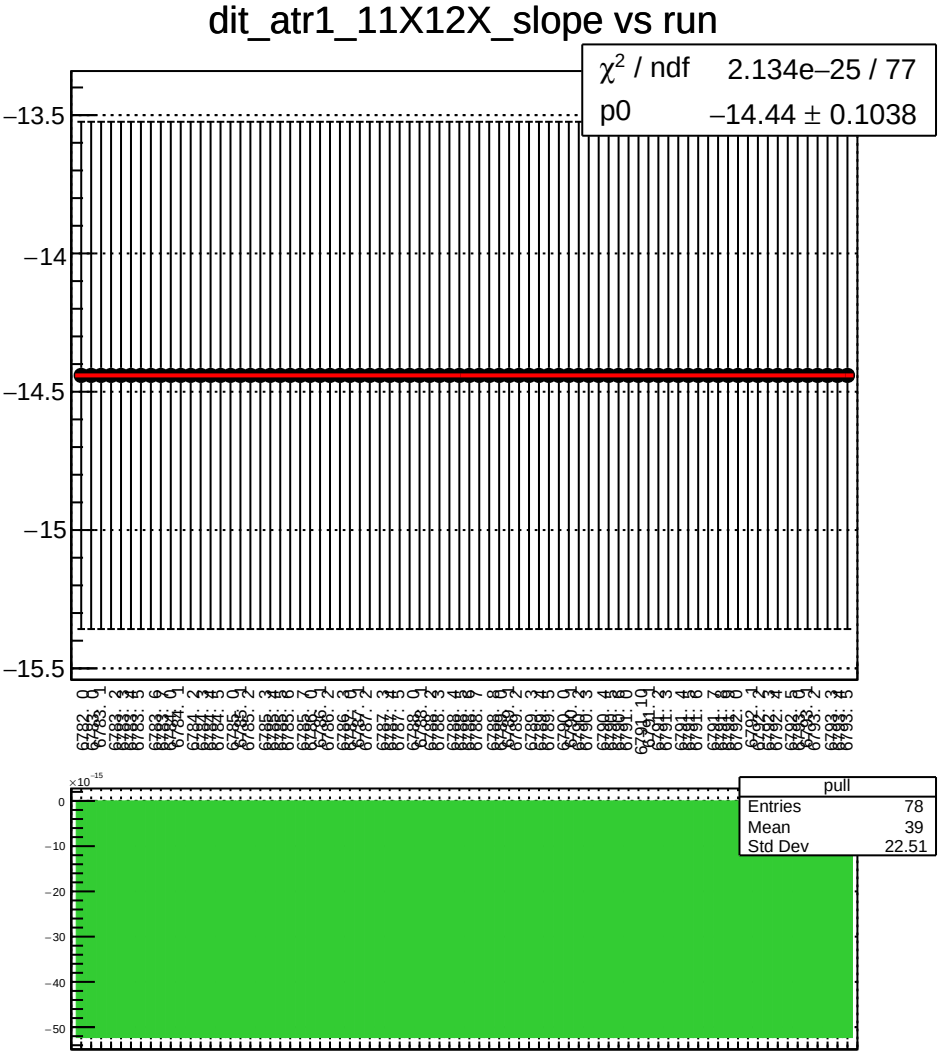

pull1D
Entries 78
Mean −1.195e−13
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

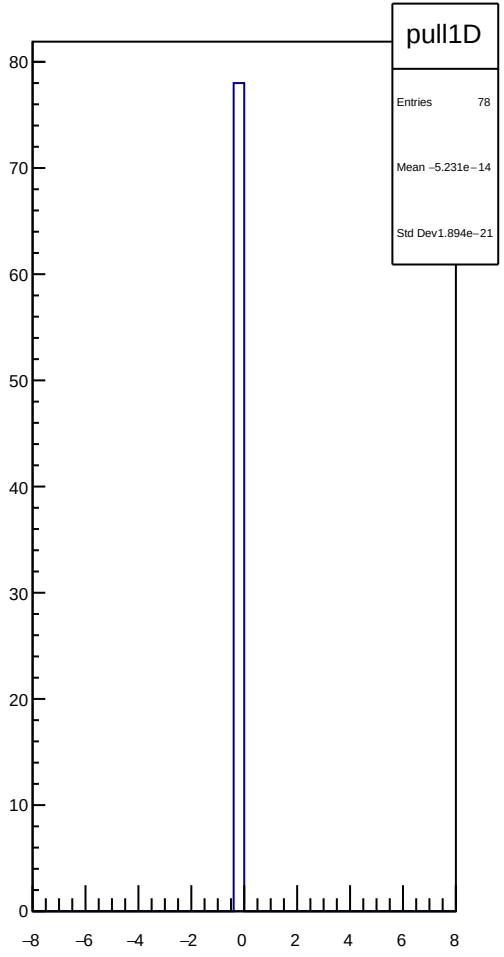

dit_atr1_4aX_slope vs run
χ² / ndf 6.284e−27 / 77
p0 −124.7 ± 1.434
−110
−115
−120
−125
−130
−135
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

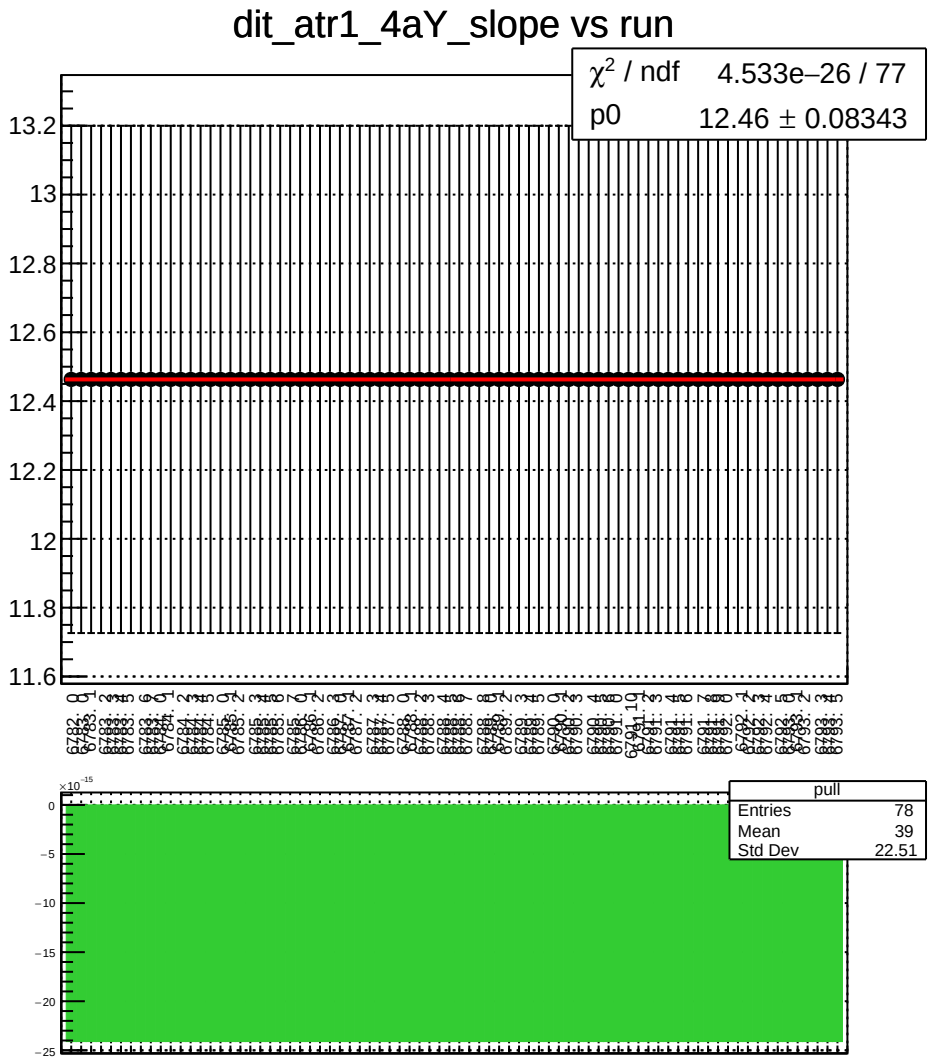

pull1D
Entries 78
Mean −8.975e−15
Std Dev4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

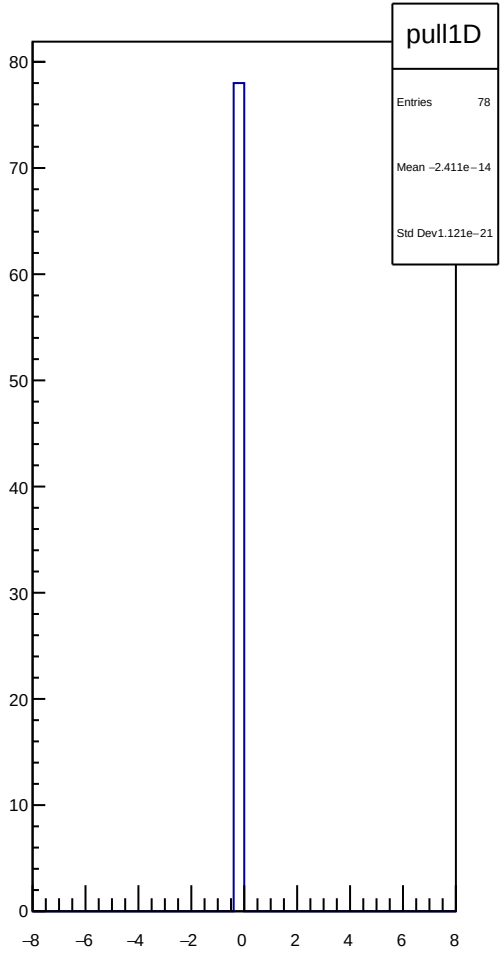

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.408e−27 / 77
p0 72.86 ± 1.448
85
80
75
70
65
60
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-15}$
5
4
3
2
1
0

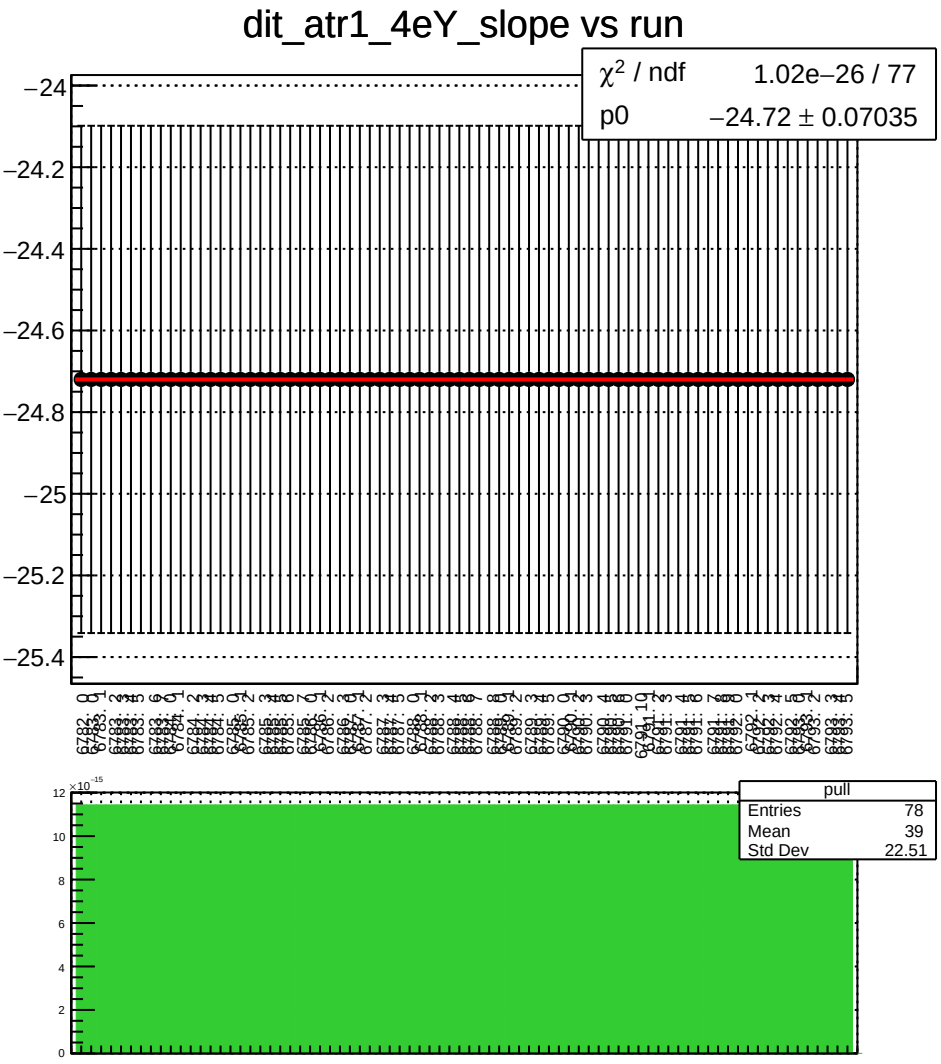

pull1D
Entries 78
Mean 5.557e−15
Std Dev 1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

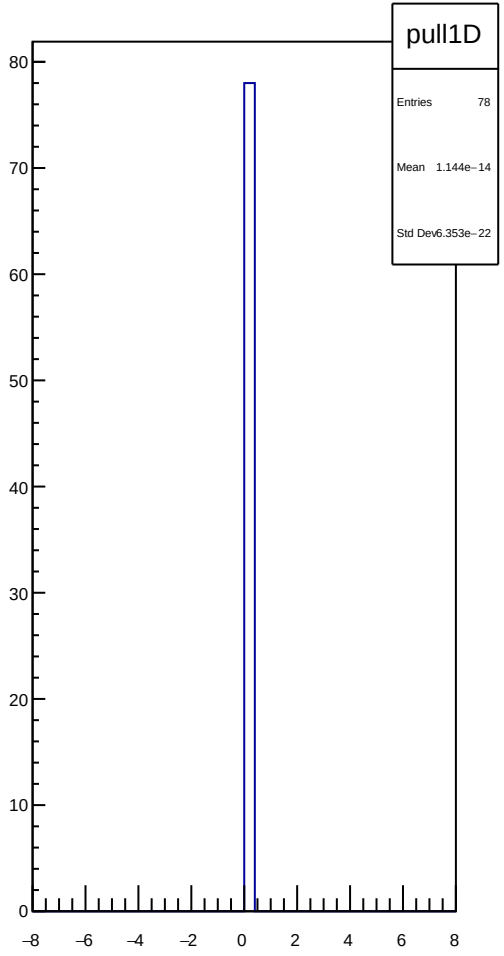

dit_atr1_11X12X_slope vs run
χ^2 / ndf 2.134e−25 / 77
p0 −14.44 ± 0.1038
−13.5
−14
−14.5
−15
−15.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−10
−20
−30
−40
−50

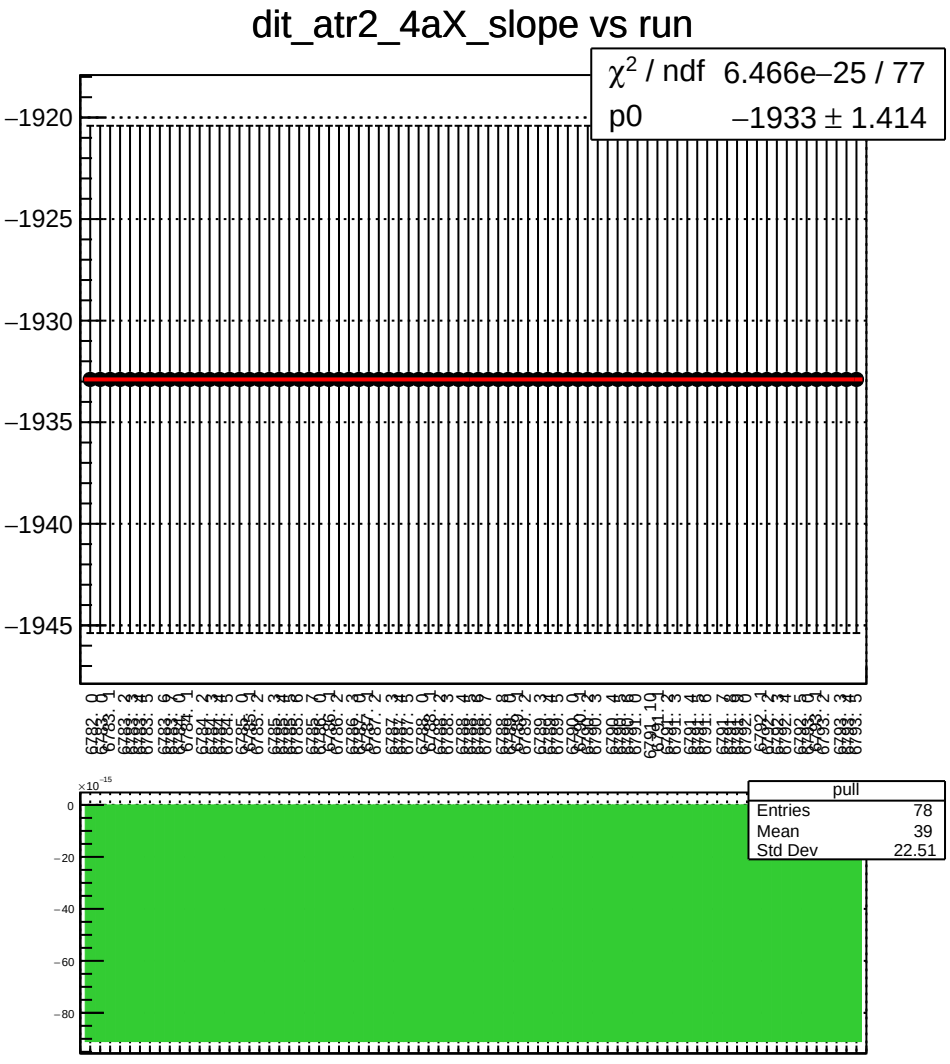

pull1D
Entries 78
Mean −5.231e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

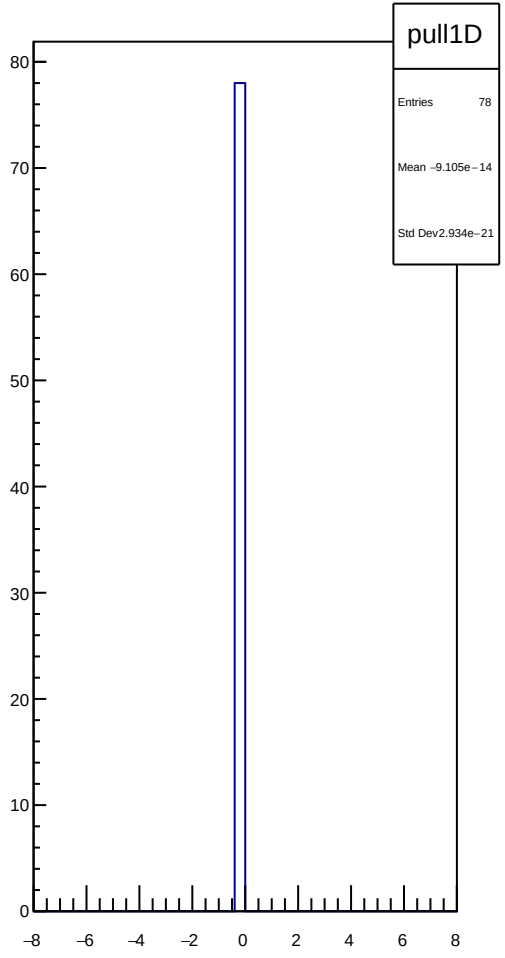

dit_atr1_4aY_slope vs run
χ² / ndf 4.533e−26 / 77
p0 12.46 ± 0.08343
13.2
13
12.8
12.6
12.4
12.2
12
11.8
11.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25

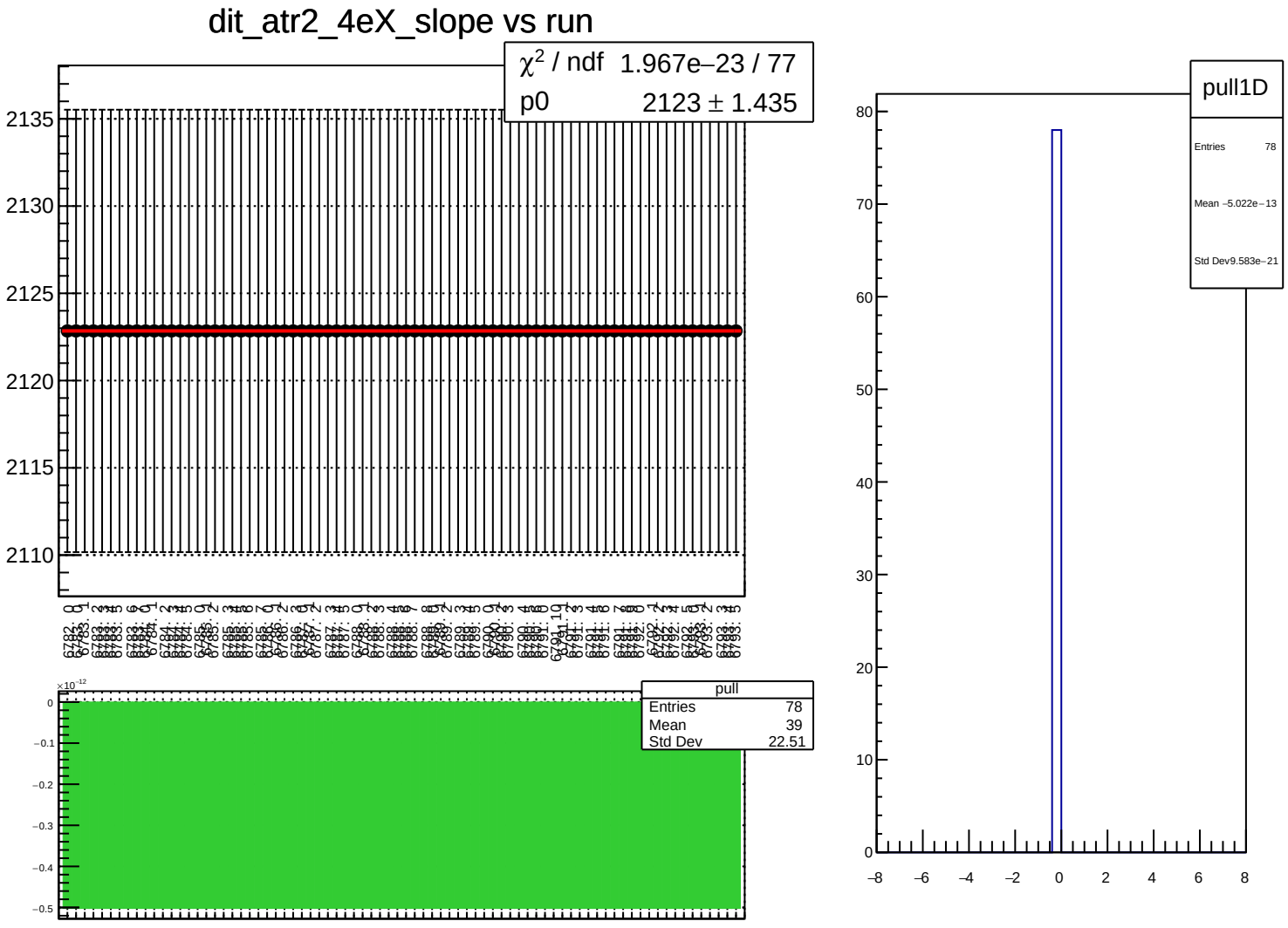

pull1D
Entries 78
Mean −2.411e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

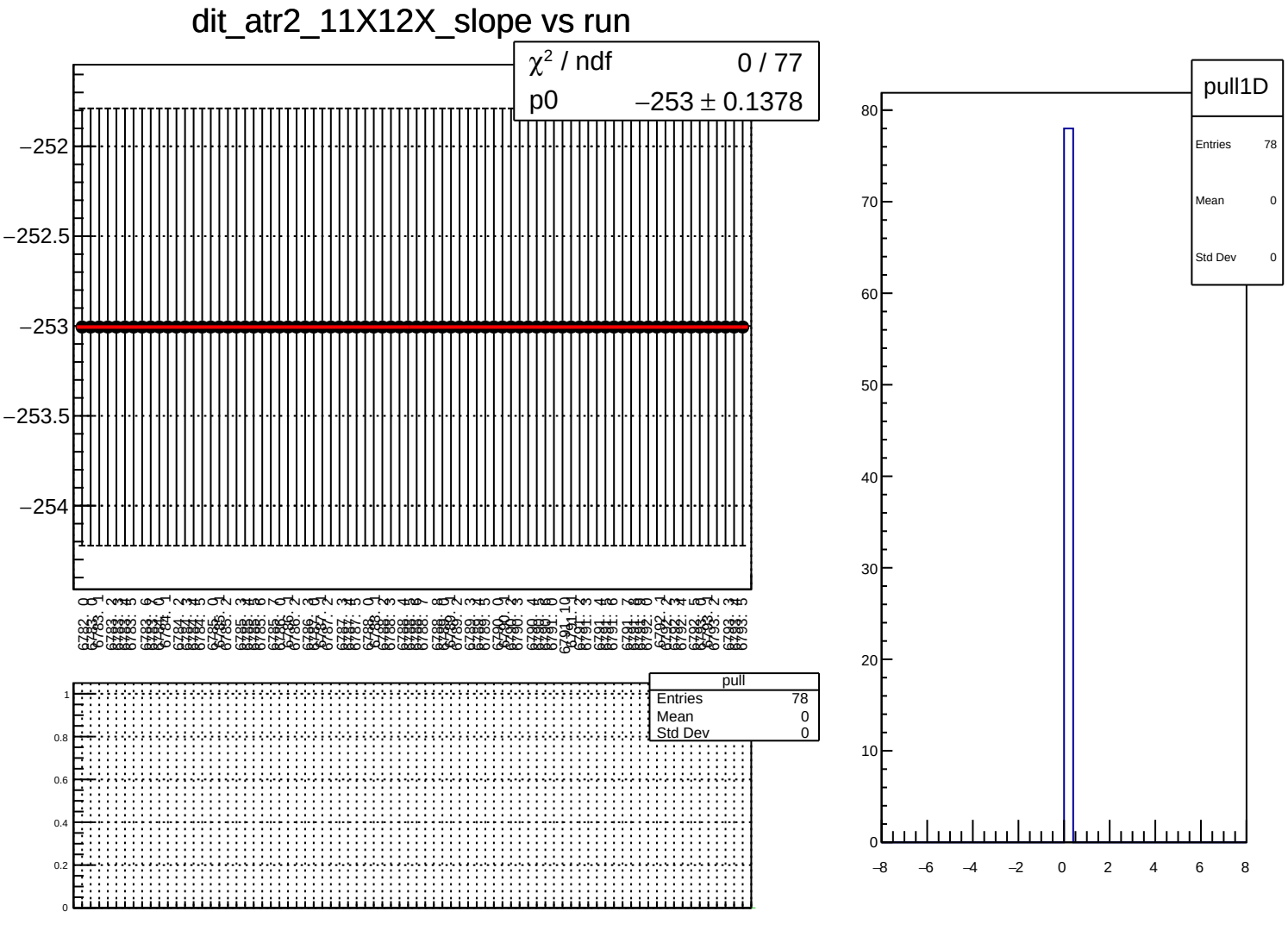

dit_atr1_4eY_slope vs run
χ^2 / ndf 1.02e−26 / 77
p0 −24.72 ± 0.07035
−24
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
12
10
8
6
4
2
0

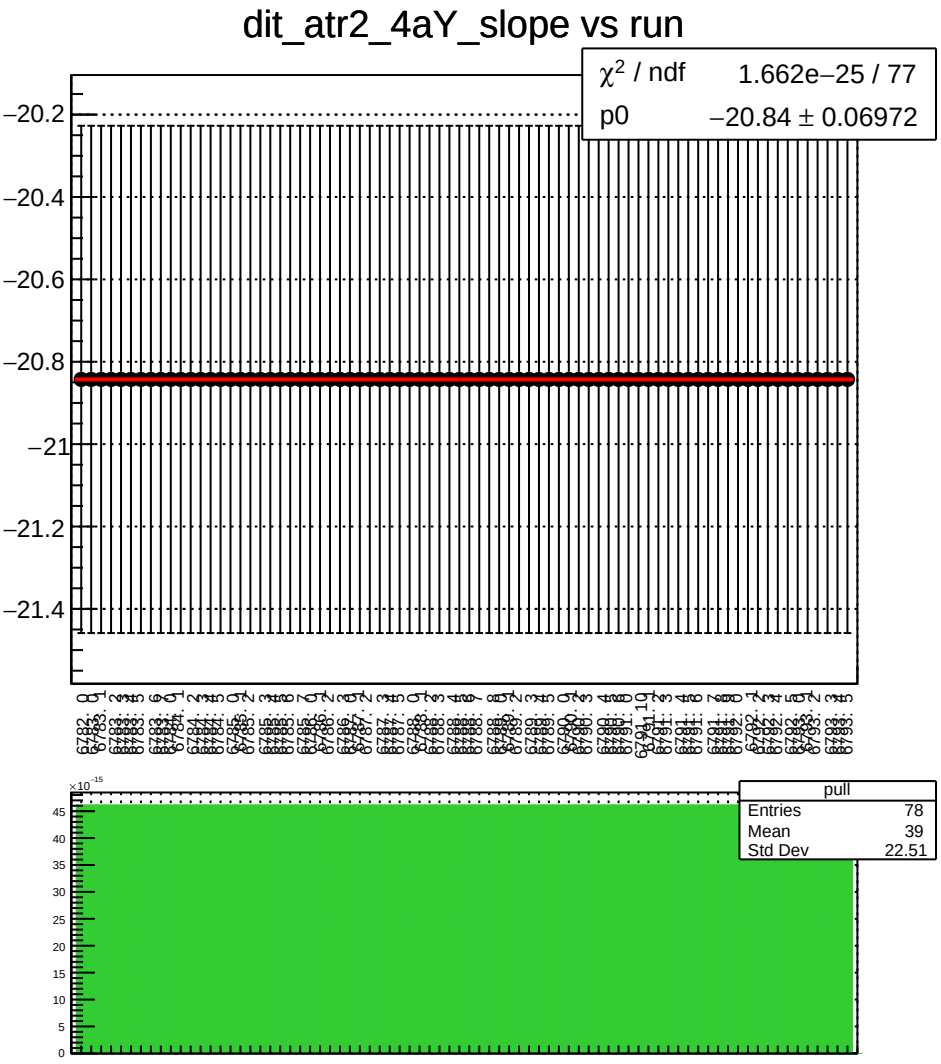

pull1D
Entries 78
Mean 1.144e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

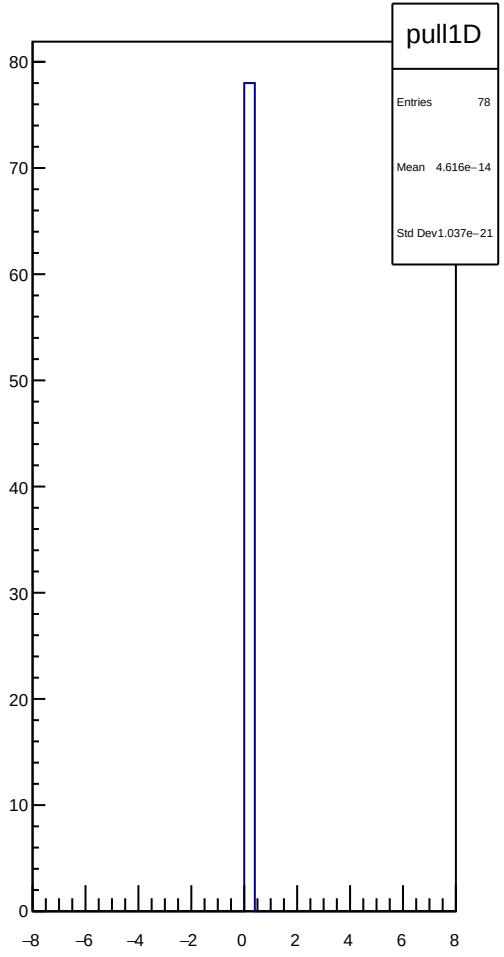

dit_atr2_4aX_slope vs run
χ^2 / ndf 6.466e−25 / 77
p0 −1933 ± 1.414
−1920
−1925
−1930
−1935
−1940
−1945
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−20
−40
−60
−80

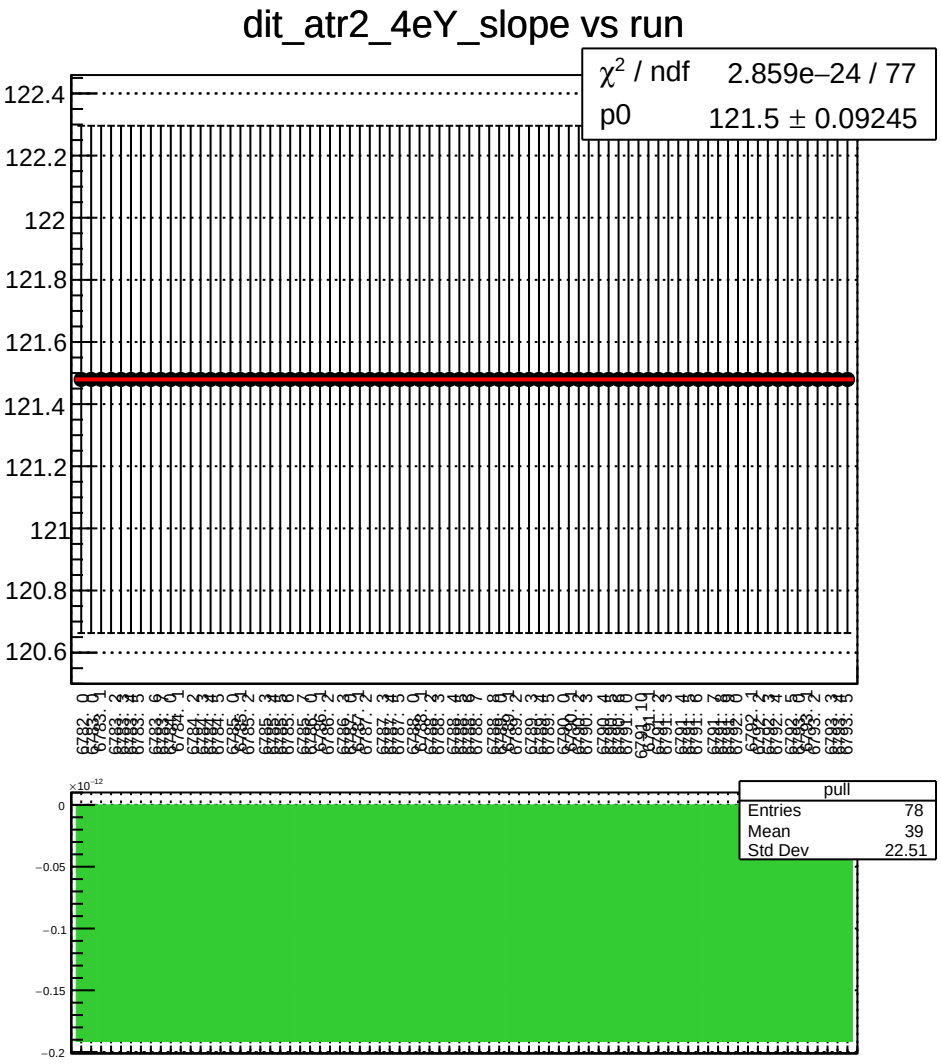

pull1D
Entries 78
Mean −9.105e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

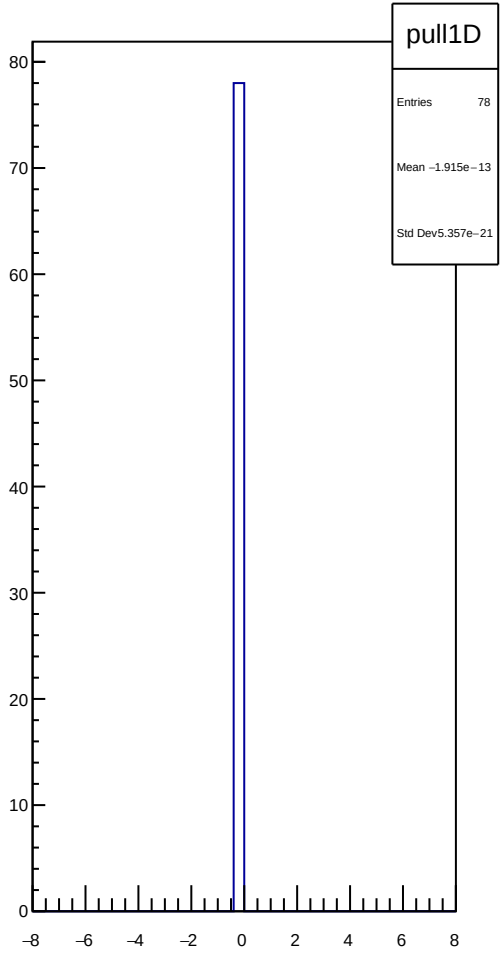

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.967e−23 / 77
p0 2123 ± 1.435
2135
2130
2125
2120
2115
2110
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 78
Mean −5.022e−13
Std Dev9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

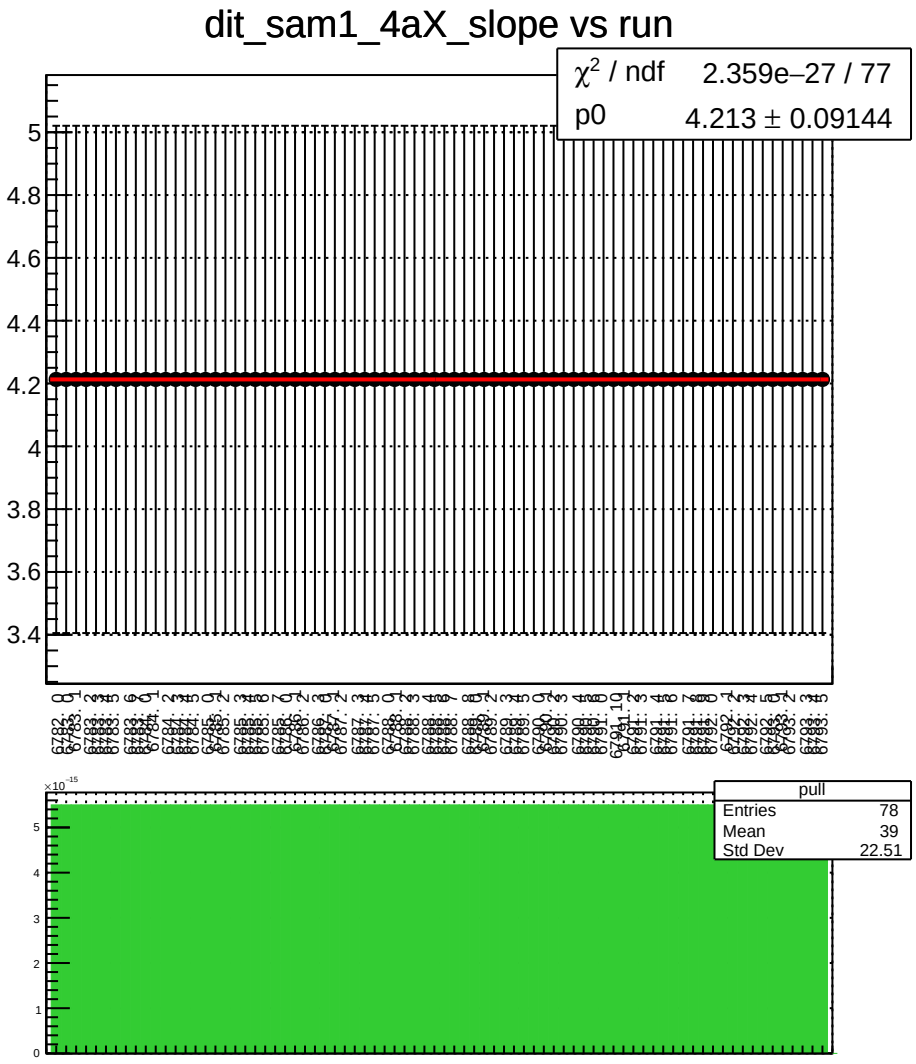

dit_atr2_11X12X_slope vs run
χ^2 / ndf 0 / 77
p0 −253 ± 0.1378
−252
−252.5
−253
−253.5
−254
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

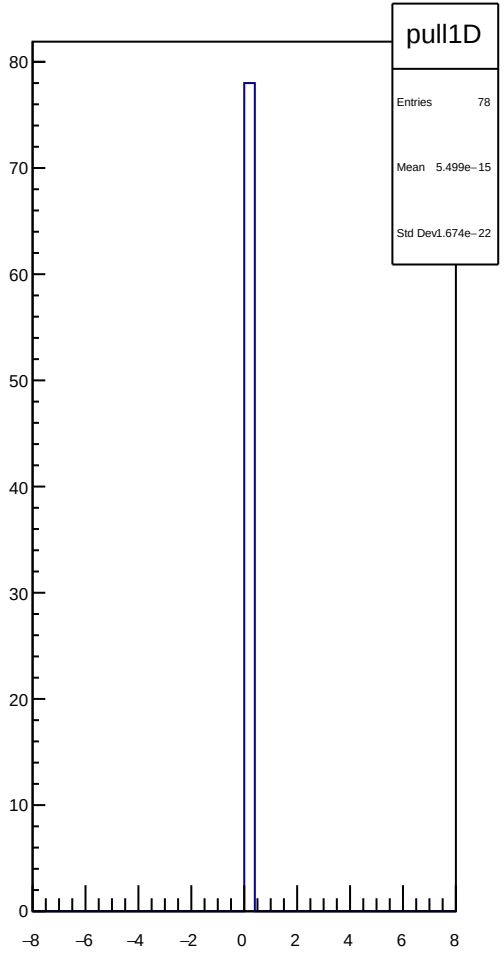

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.662e−25 / 77
p0 −20.84 ± 0.06972
−20.2
−20.4
−20.6
−20.8
−21
−21.2
−21.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
45
40
35
30
25
20
15
10
5
0


pull1D
Entries 78
Mean 4.616e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

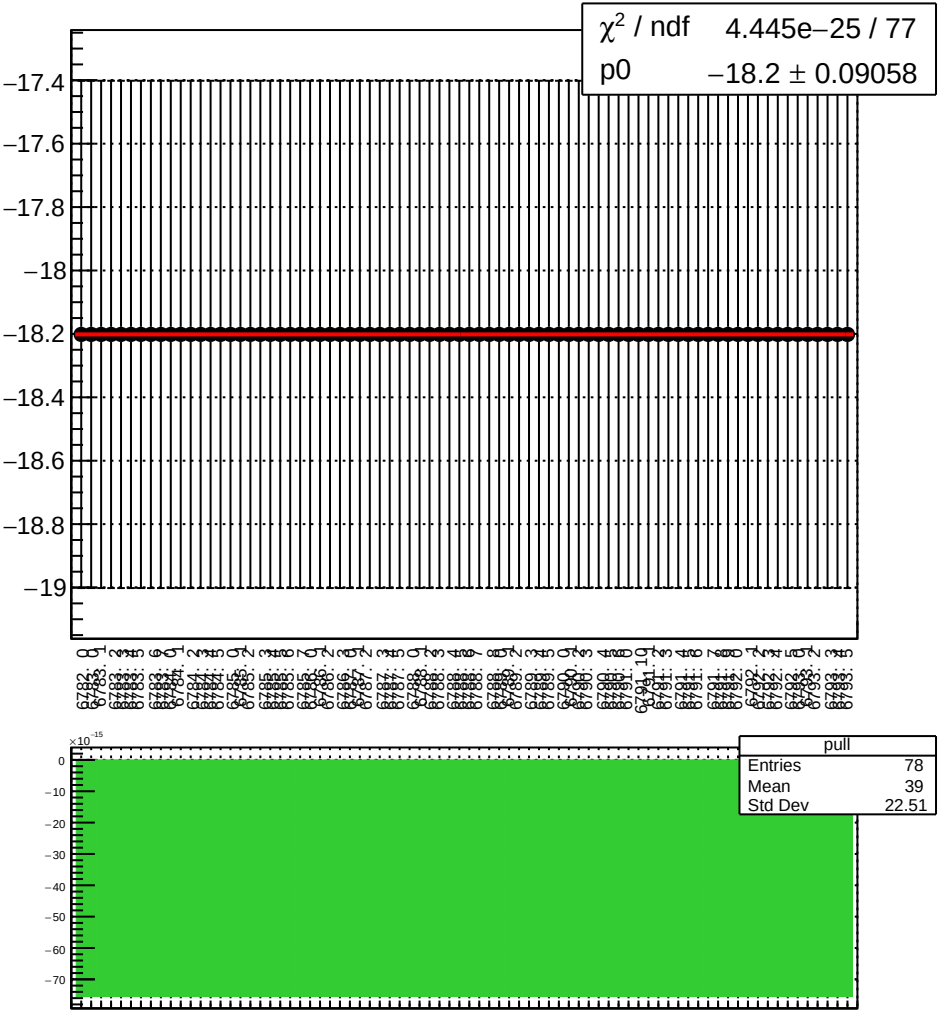

dit_atr2_4eY_slope vs run
χ^2 / ndf 2.859e−24 / 77
p0 121.5 ± 0.09245
122.4
122.2
122
121.8
121.6
121.4
121.2
121
120.8
120.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.05
−0.1
−0.15
−0.2

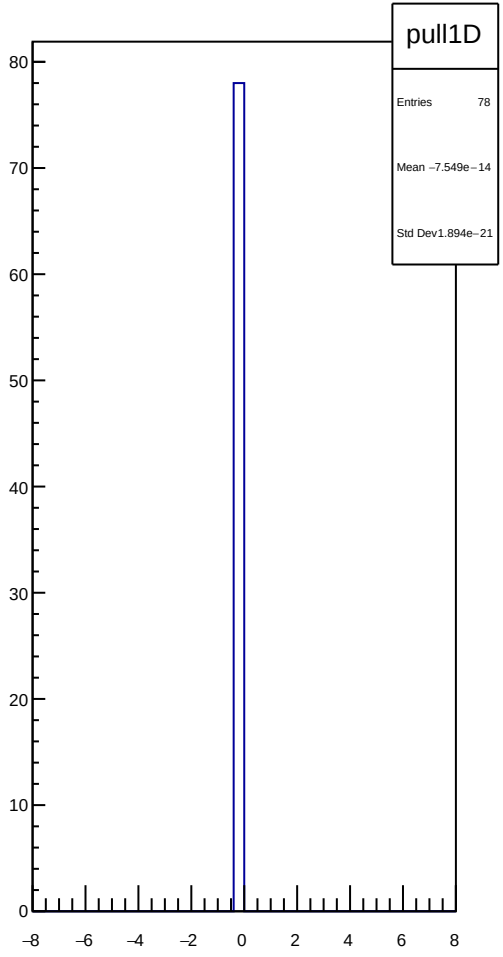

pull1D
Entries 78
Mean −1.915e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

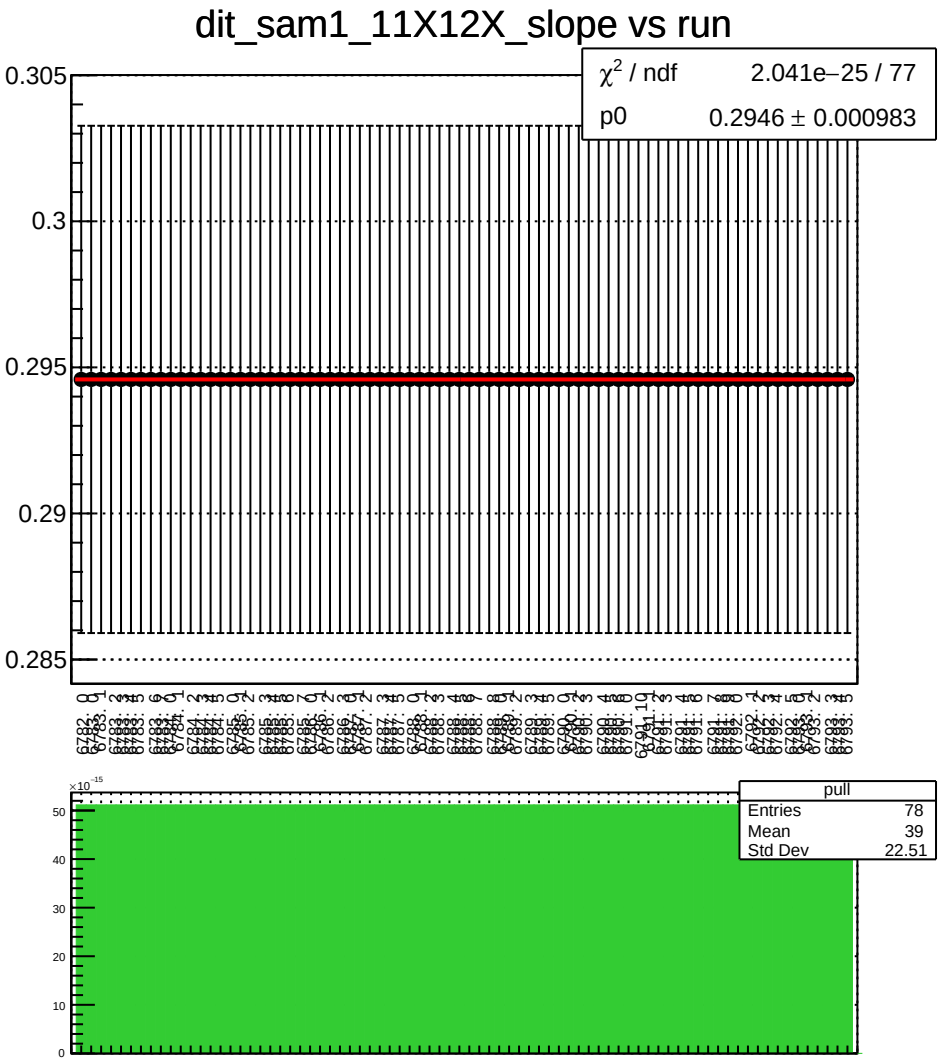

dit_sam1_4aX_slope vs run
χ^2 / ndf 2.359e−27 / 77
p0 4.213 ± 0.09144
pull
Entries 78
Mean 39
Std Dev 22.51

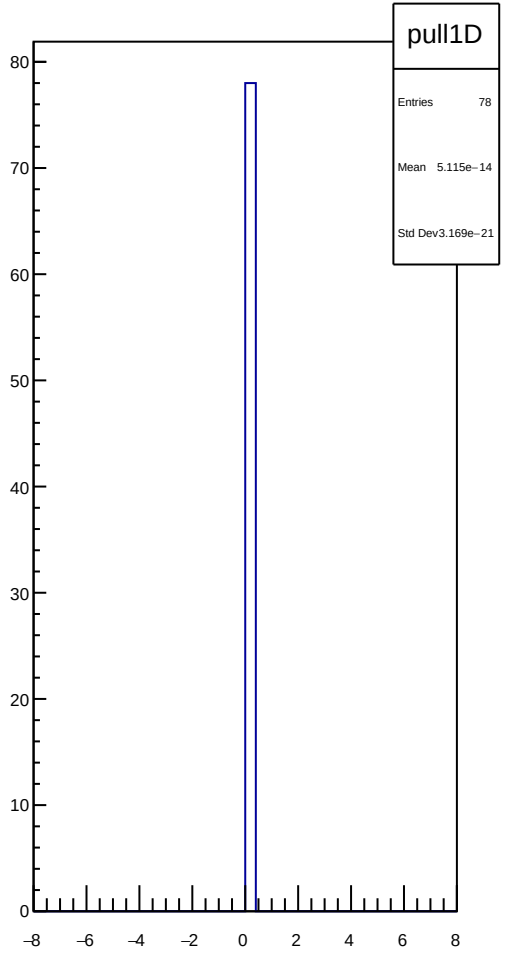

pull1D
Entries 78
Mean 5.499e−15
Std Dev 1.674e−22

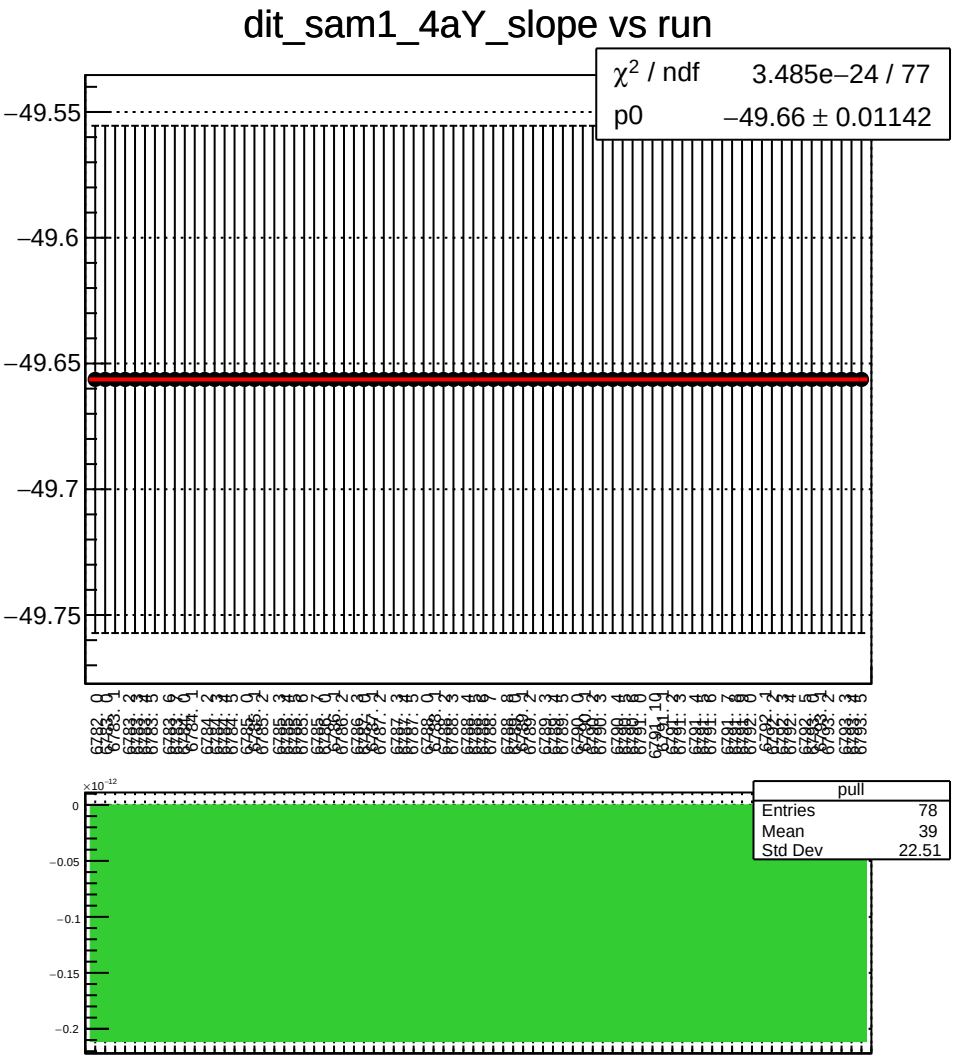
dit_sam1_4eX_slope vs run

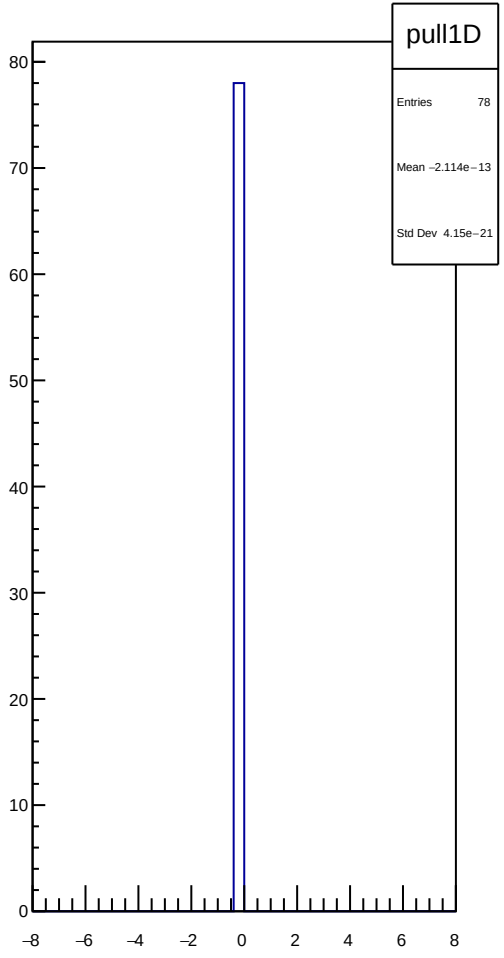


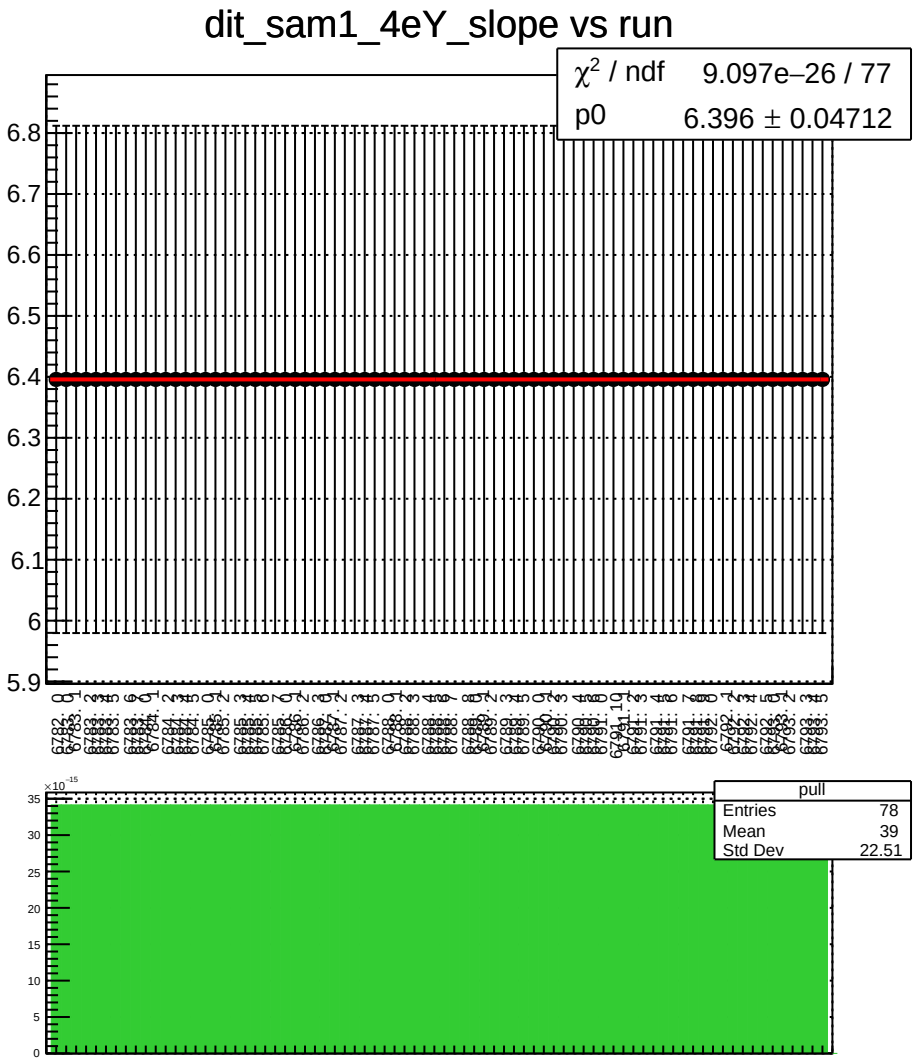


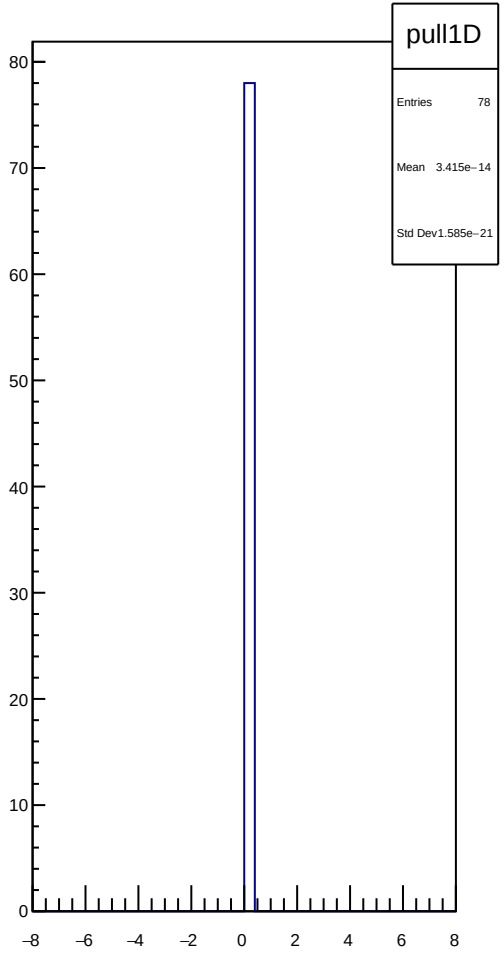

dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.041e−25 / 77
p0 0.2946 ± 0.000983
0.305
0.3
0.295
0.29
0.285
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
50
40
30
20
10
0

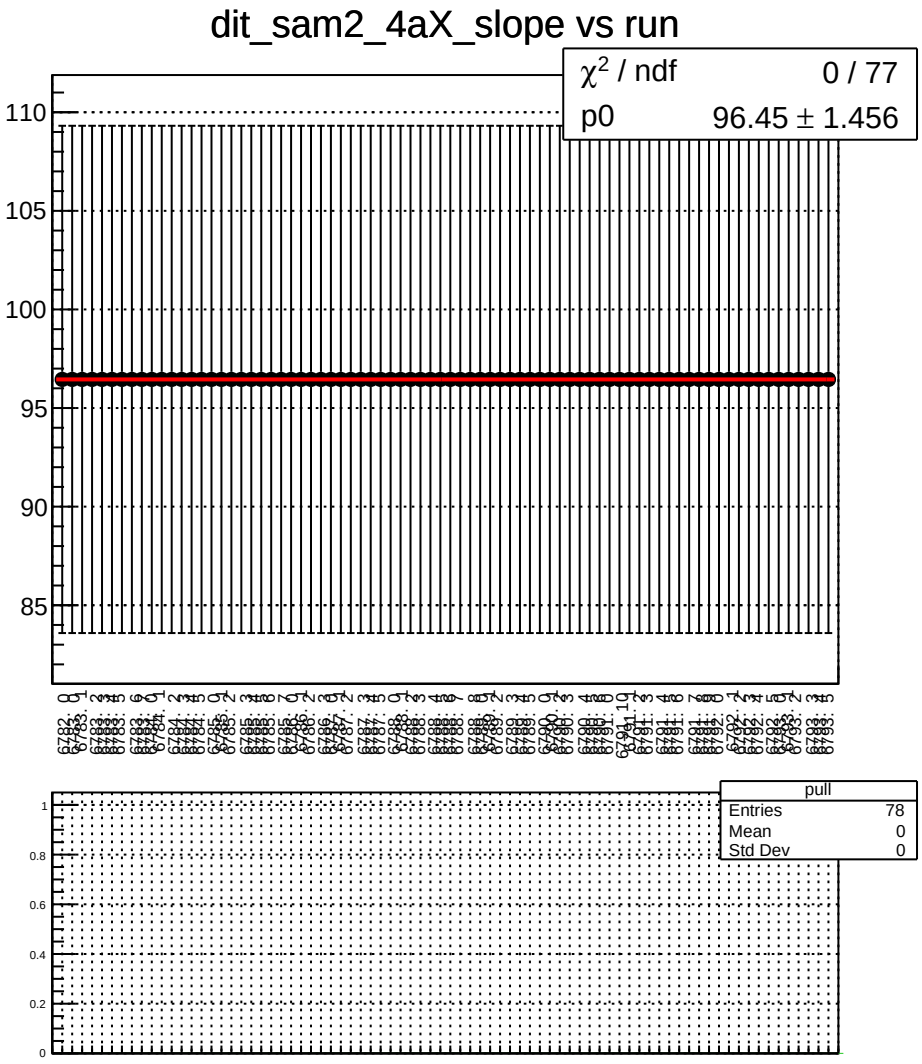

pull1D
Entries 78
Mean 5.115e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

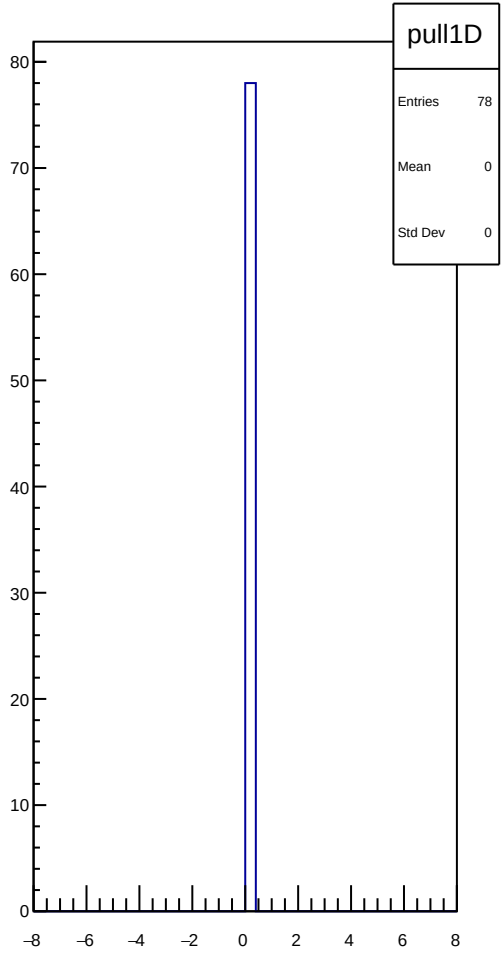

dit_sam1_4aY_slope vs run
χ^2 / ndf 3.485e−24 / 77
p0 −49.66 ± 0.01142
−49.55
−49.6
−49.65
−49.7
−49.75
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.05
−0.1
−0.15
−0.2

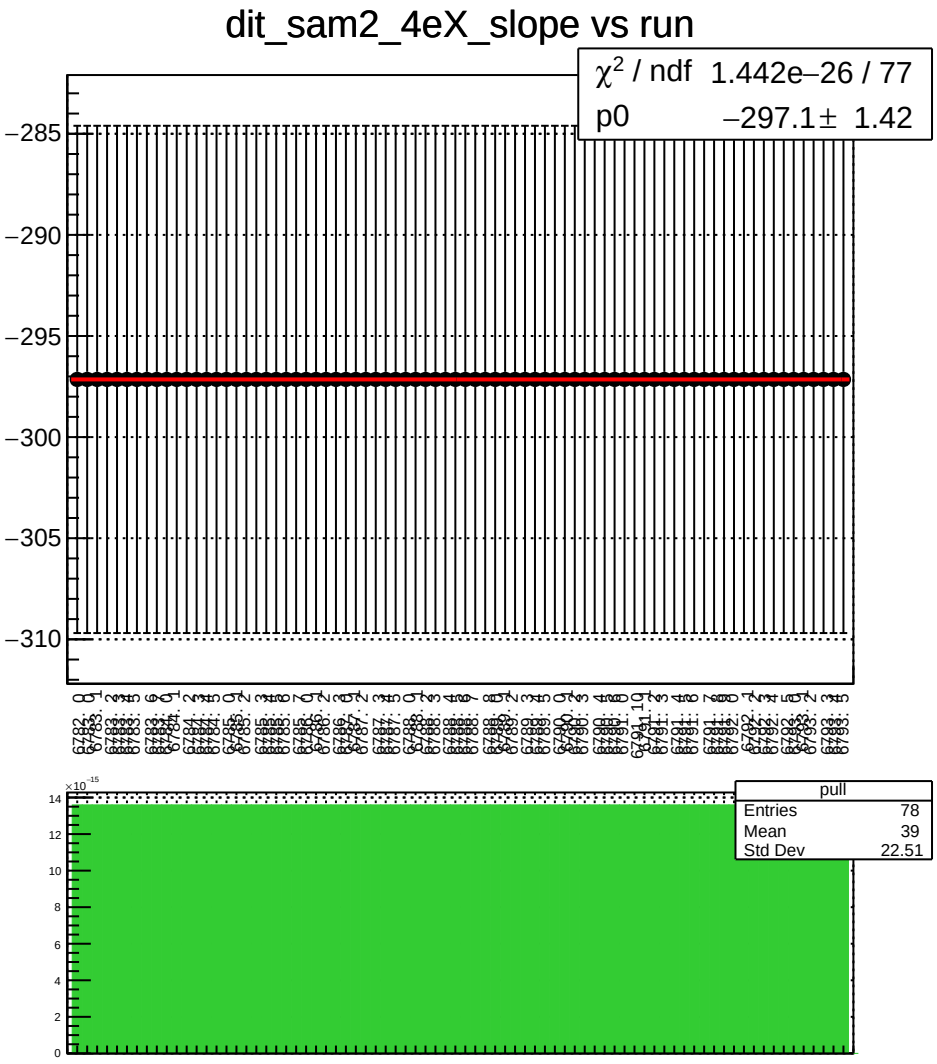

pull1D
Entries 78
Mean −2.114e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

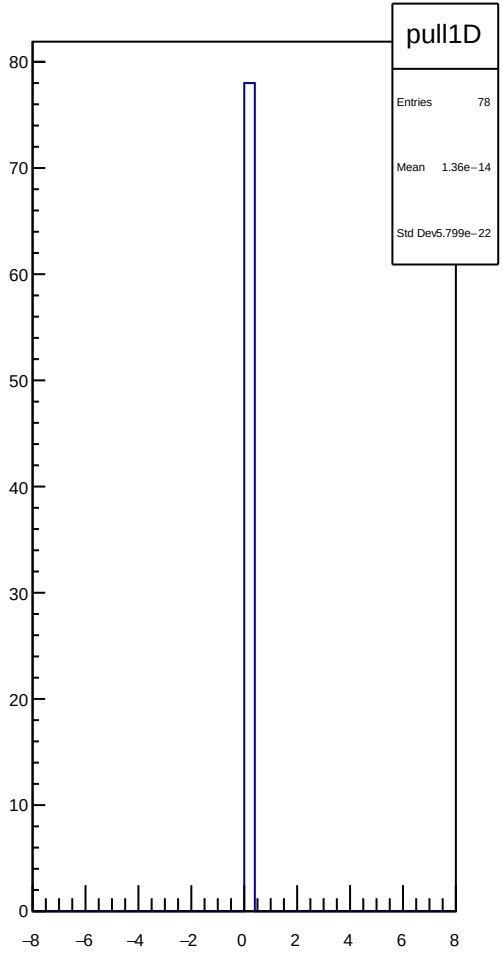

dit_sam1_4eY_slope vs run
χ^2 / ndf 9.097e−26 / 77
p0 6.396 ± 0.04712
pull
Entries 78
Mean 39
Std Dev 22.51


pull1D
Entries 78
Mean 3.415e−14
Std Dev 1.585e−21

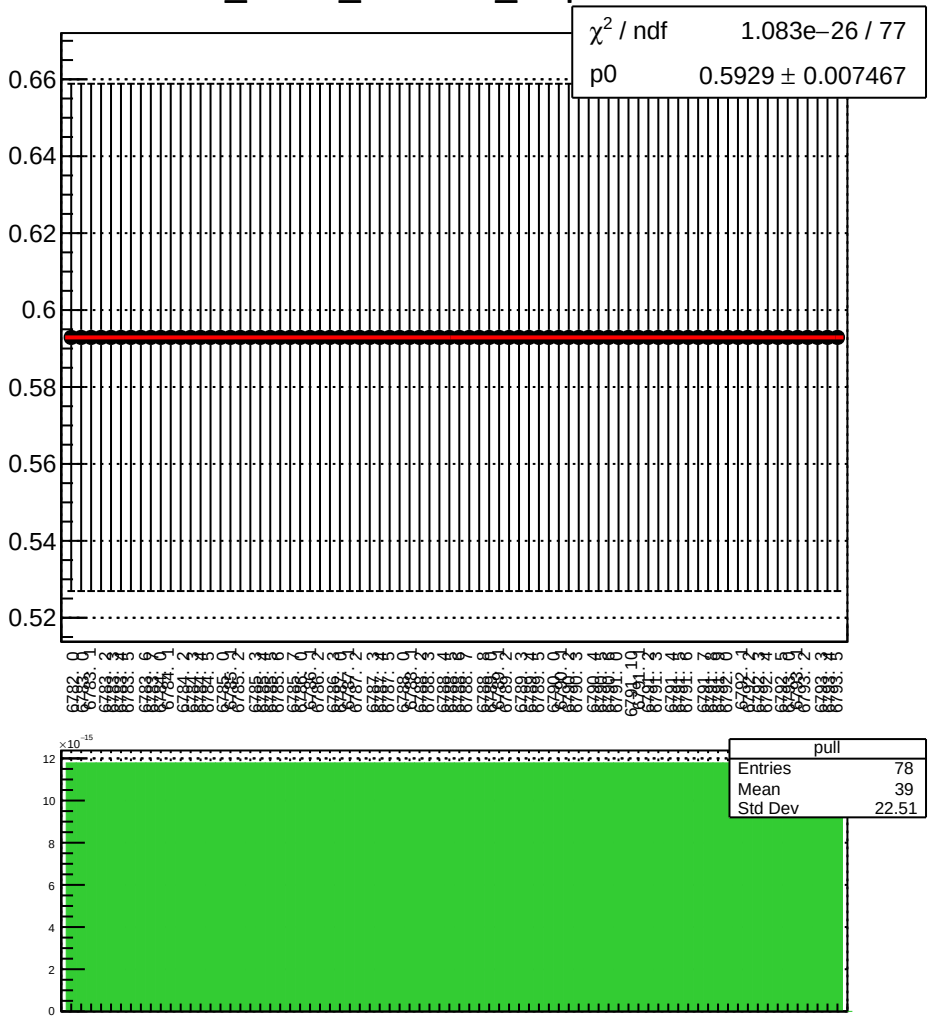

dit_sam2_4aX_slope vs run
χ^2 / ndf 0 / 77
p0 96.45 ± 1.456
110
105
100
95
90
85
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

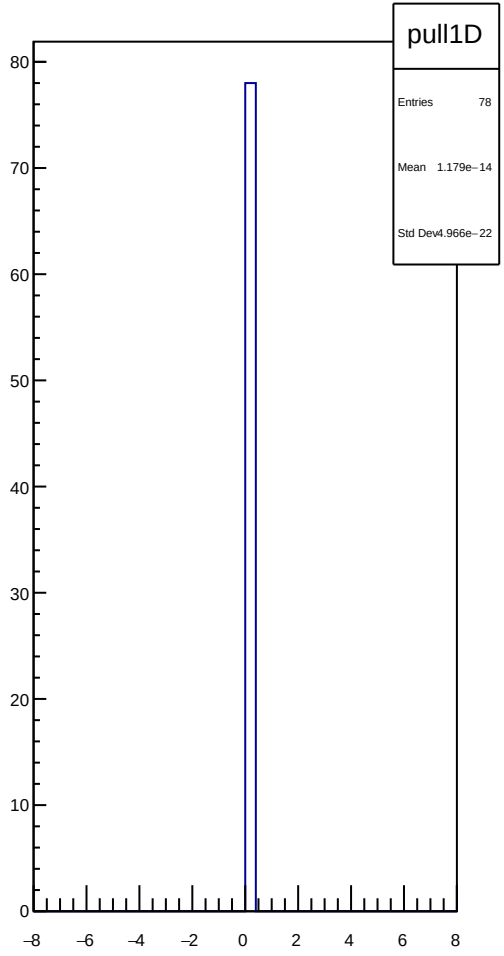

pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

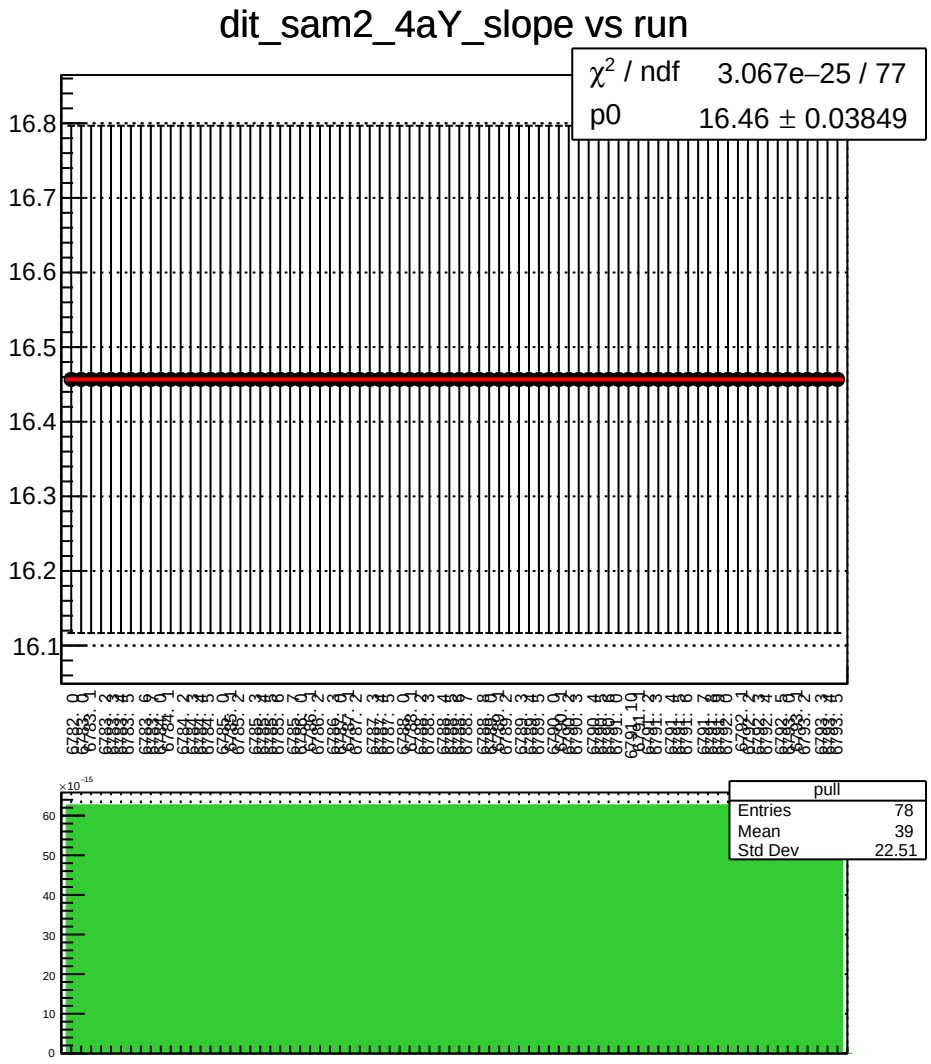

dit_sam2_4eX_slope vs run
χ^2 / ndf 1.442e−26 / 77
p0 −297.1 ± 1.42
−285
−290
−295
−300
−305
−310
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
14
12
10
8
6
4
2
0

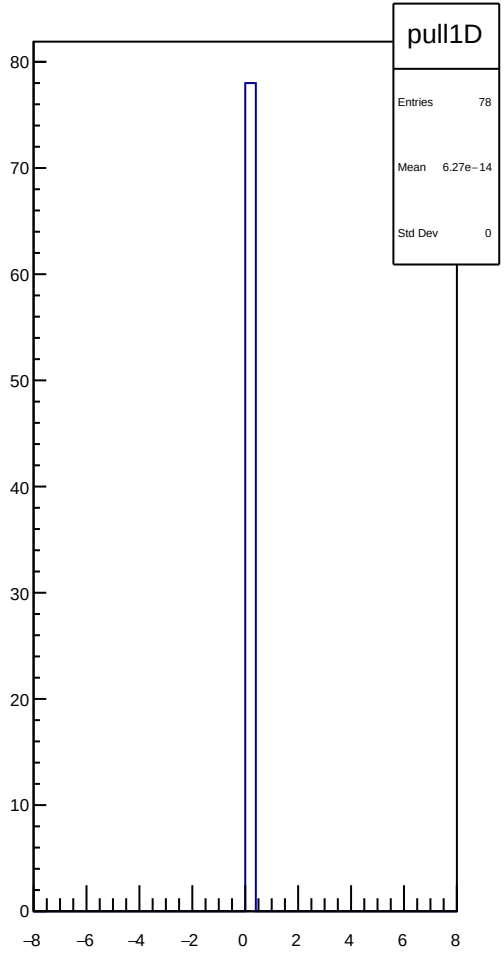

pull1D
Entries 78
Mean 1.36e−14
Std Dev 5.799e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

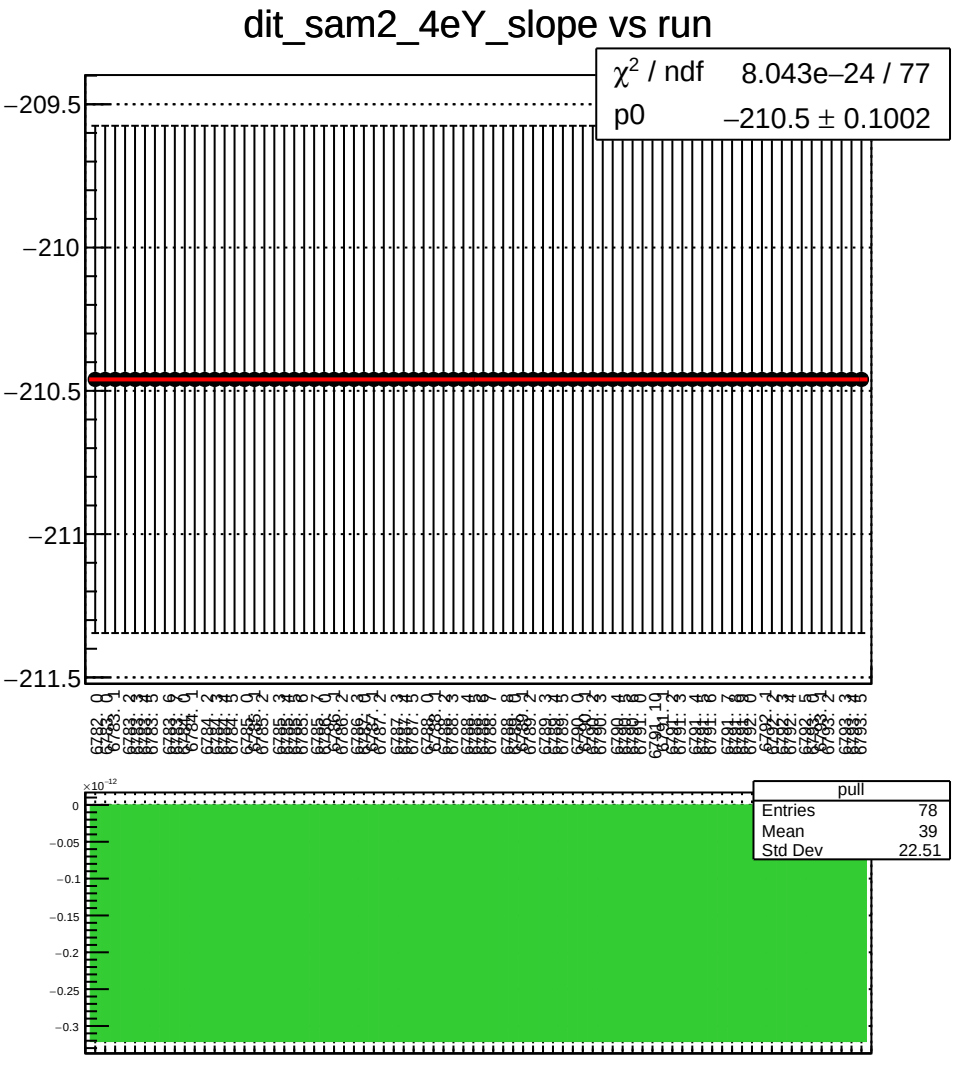
dit_sam2_11X12X_slope vs run

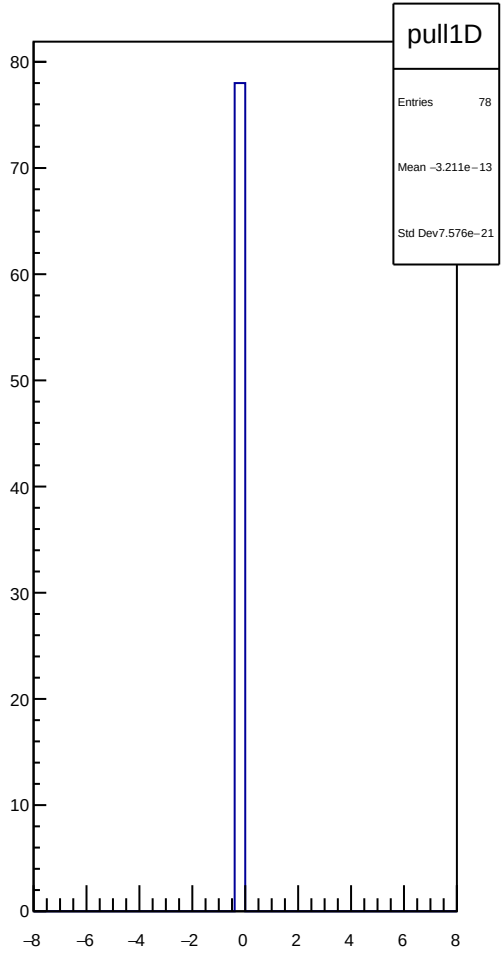


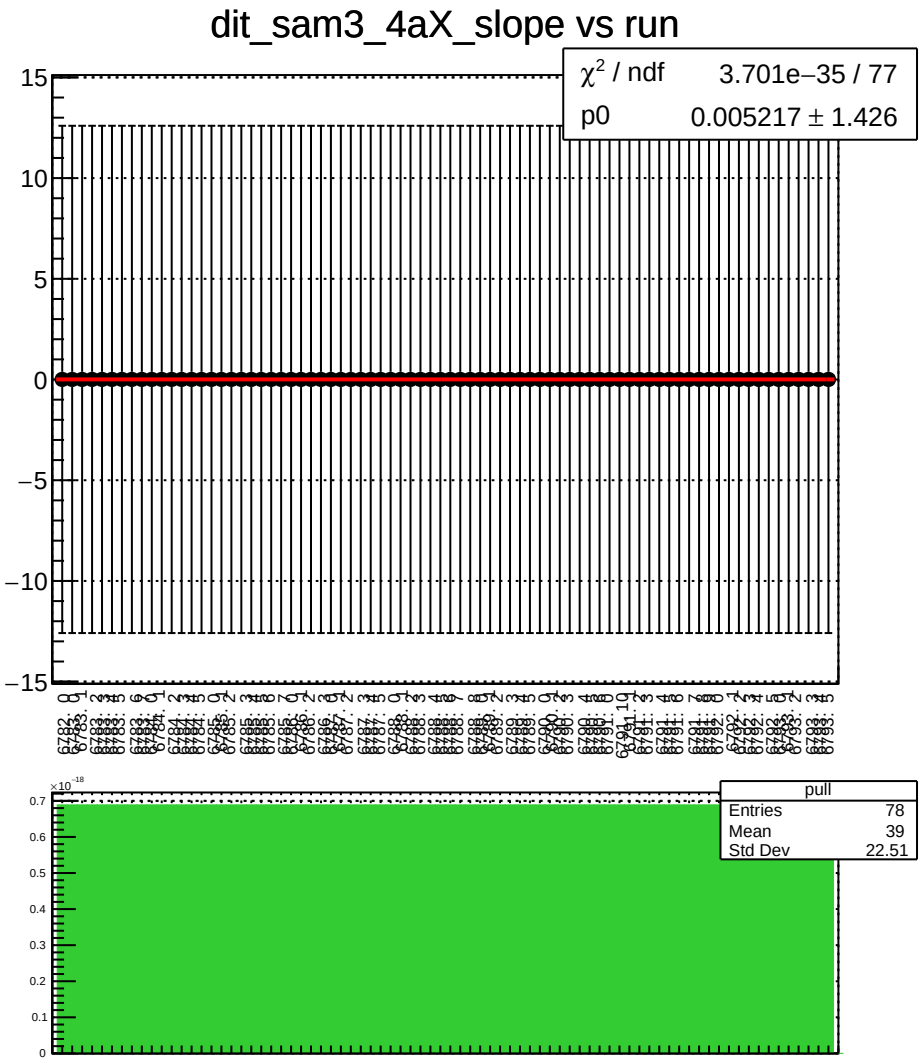


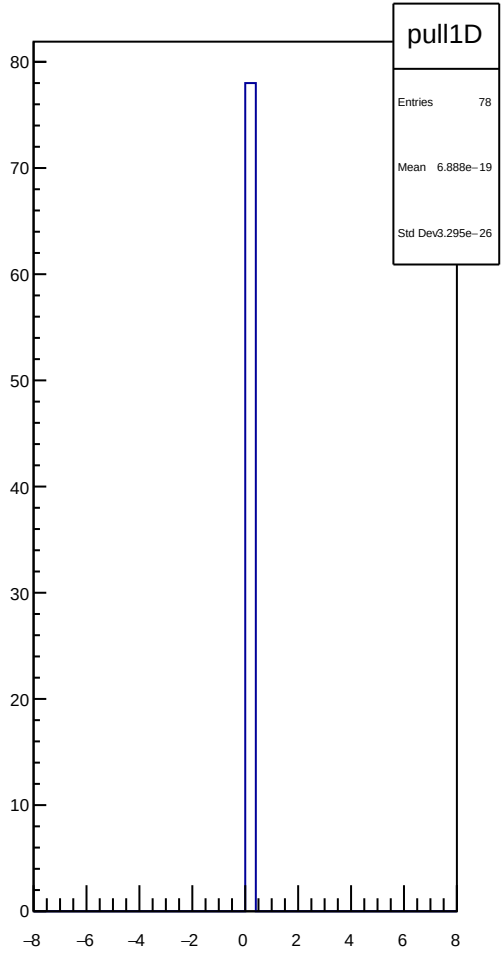

dit_sam2_4aY_slope vs run
χ^2 / ndf 3.067e−25 / 77
p0 16.46 ± 0.03849
16.8
16.7
16.6
16.5
16.4
16.3
16.2
16.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
60
50
40
30
20
10
0


pull1D
Entries 78
Mean 6.27e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

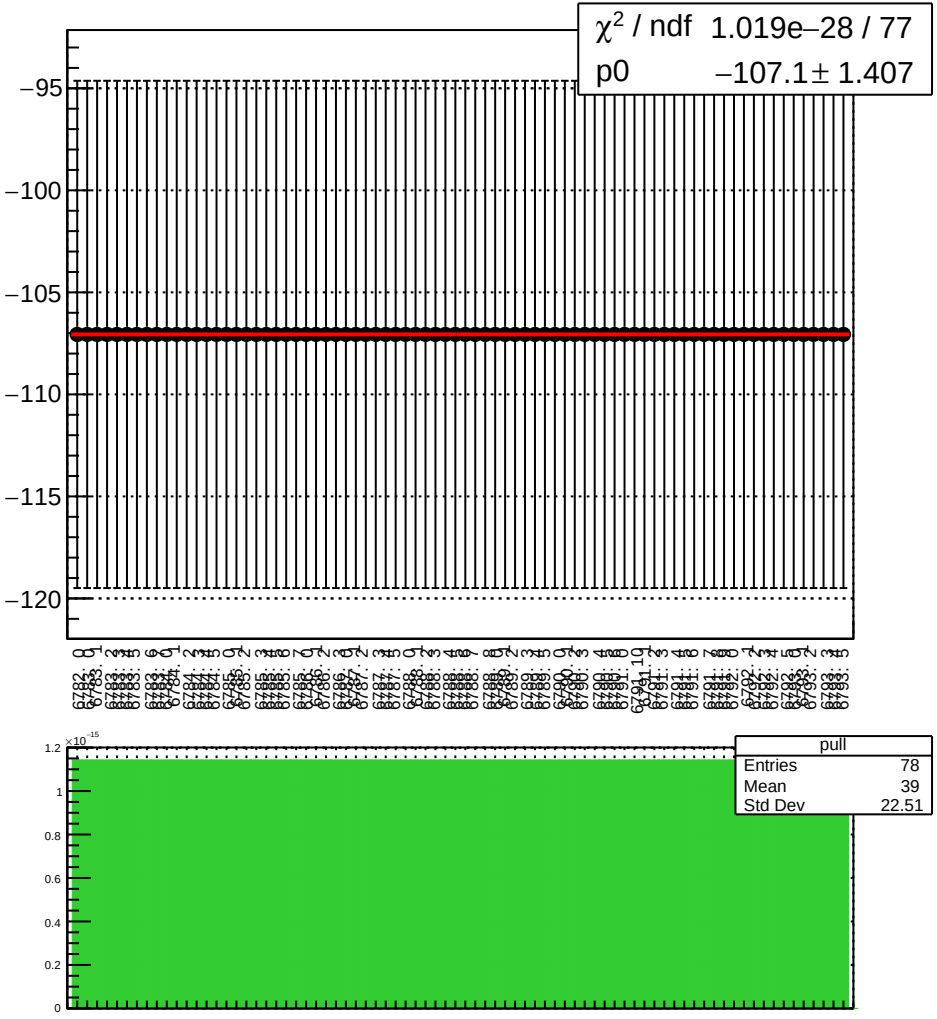

dit_sam2_4eY_slope vs run
χ^2 / ndf 8.043e−24 / 77
p0 −210.5 ± 0.1002
−209.5
−210
−210.5
−211
−211.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

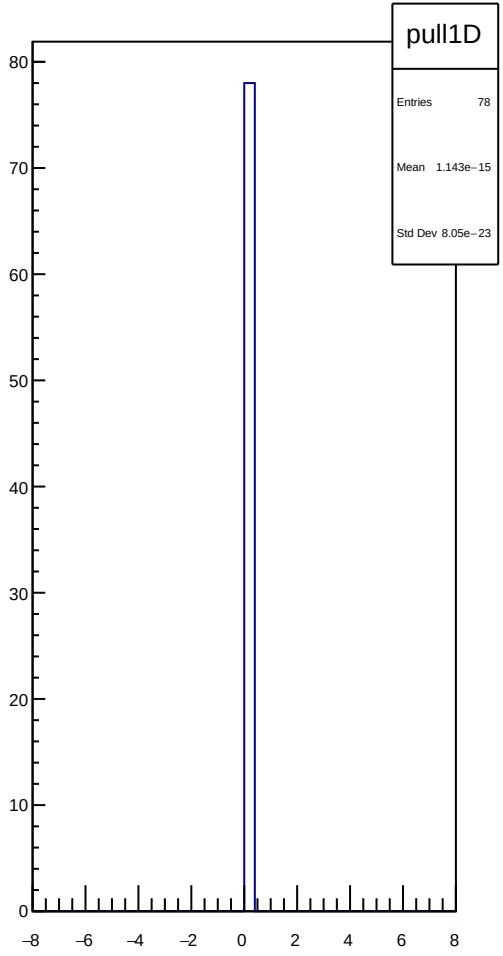

pull1D
Entries 78
Mean −3.211e−13
Std Dev 7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_4aX_slope vs run
χ² / ndf 3.701e−35 / 77
p0 0.005217 ± 1.426
pull
Entries 78
Mean 39
Std Dev 22.51

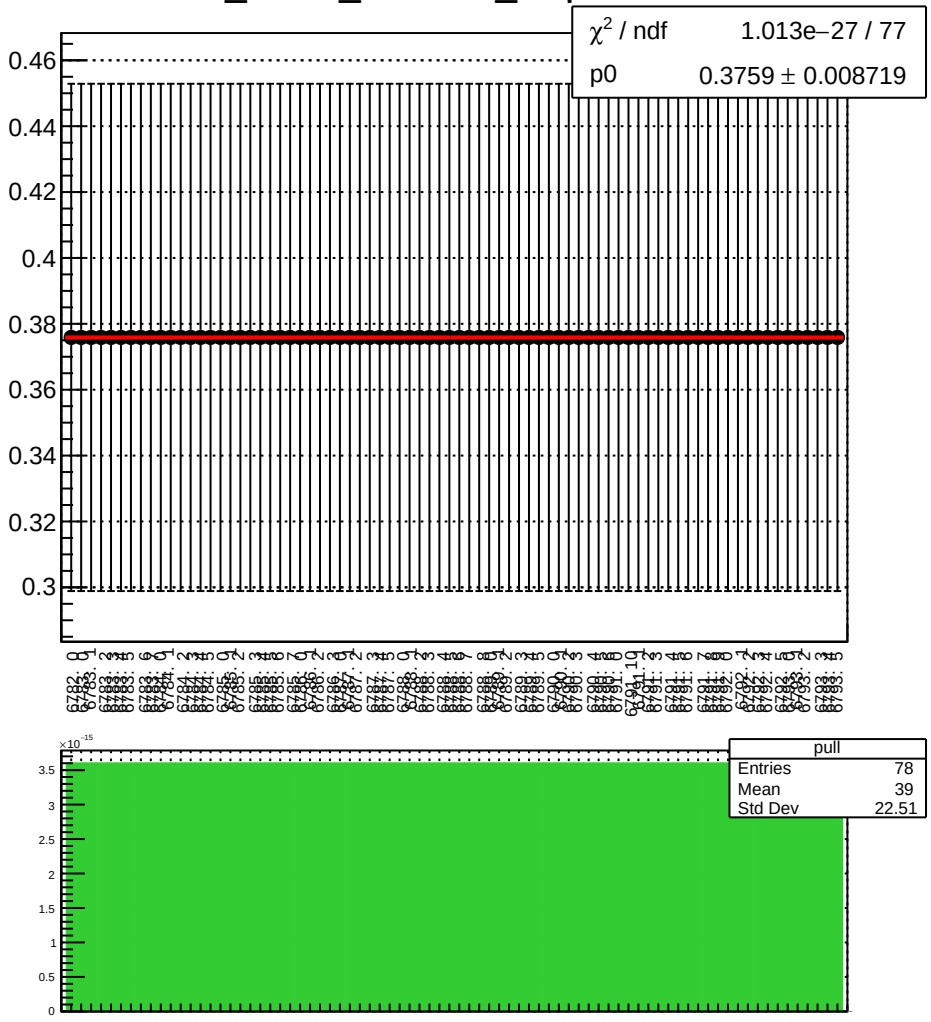

pull1D
Entries 78
Mean 6.888e−19
Std Dev 3.295e−26

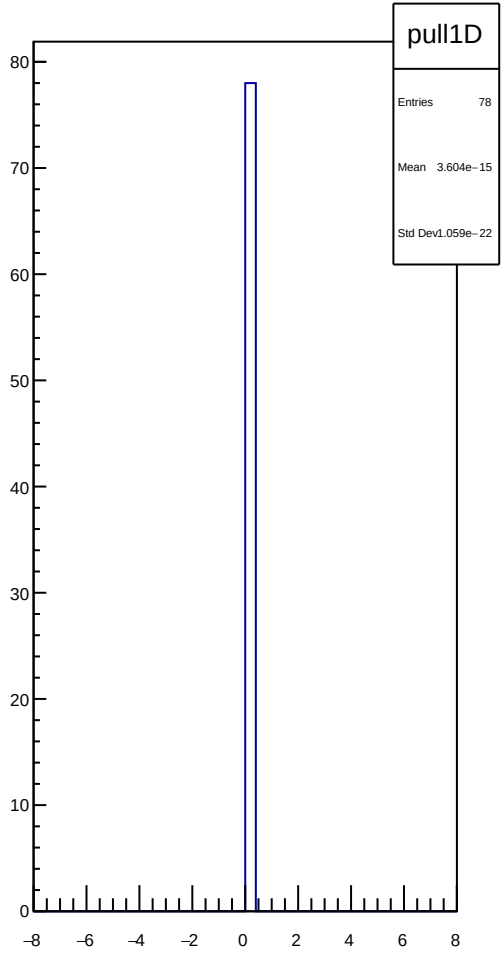
dit_sam3_4eX_slope vs run

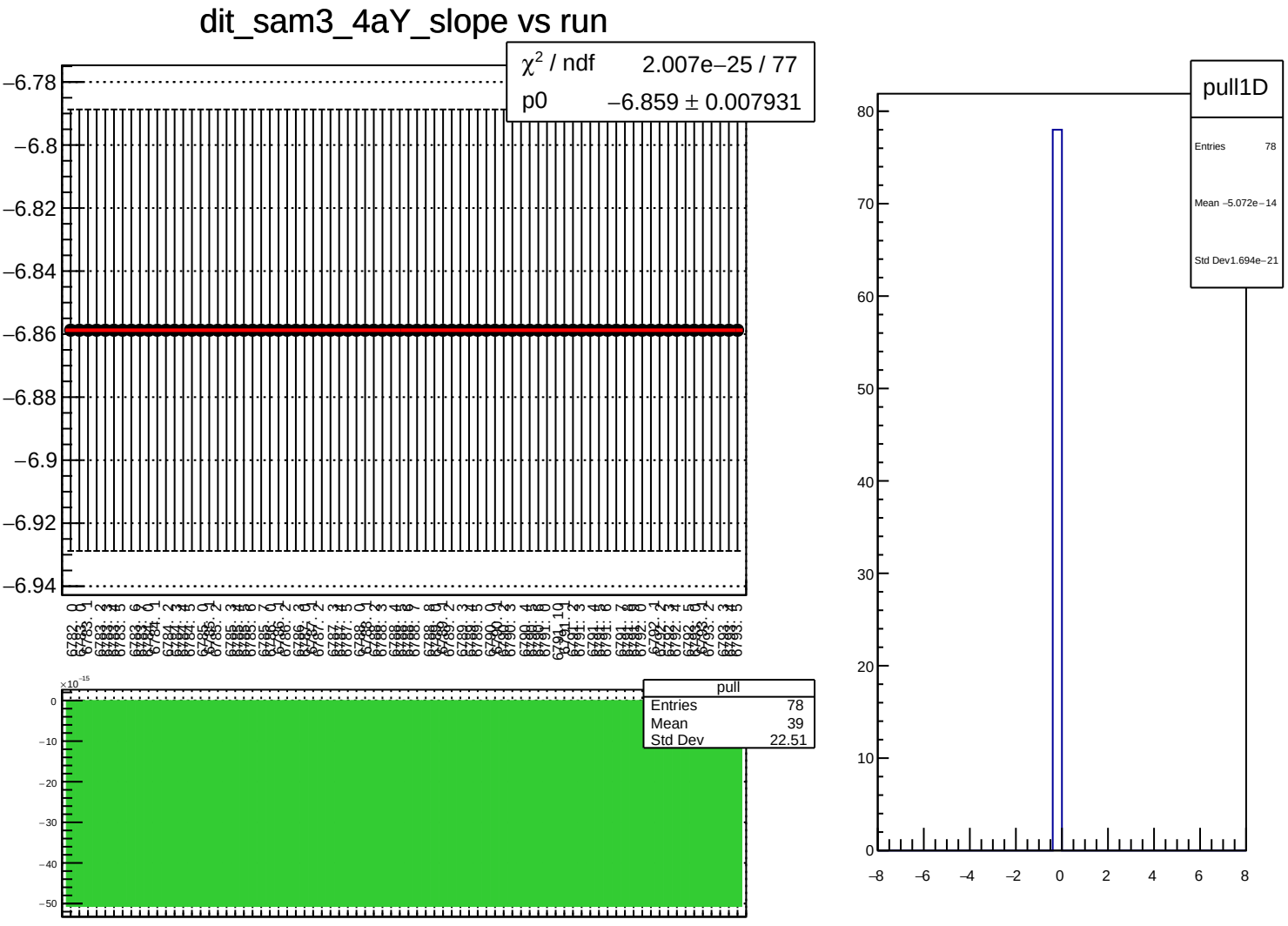


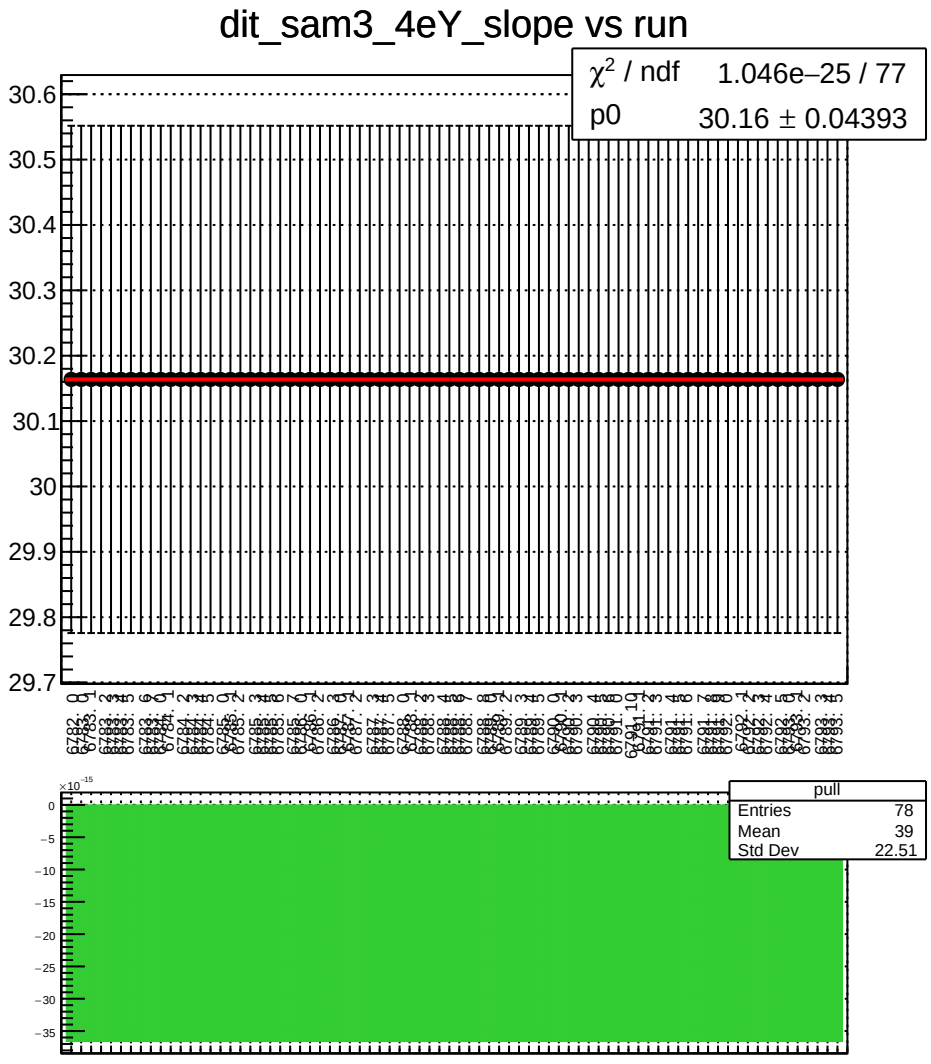


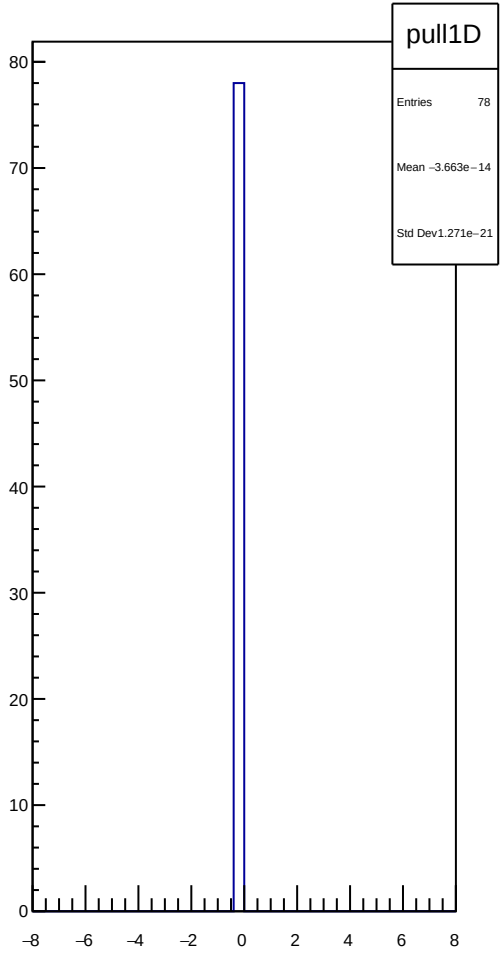
dit_sam3_11X12X_slope vs run

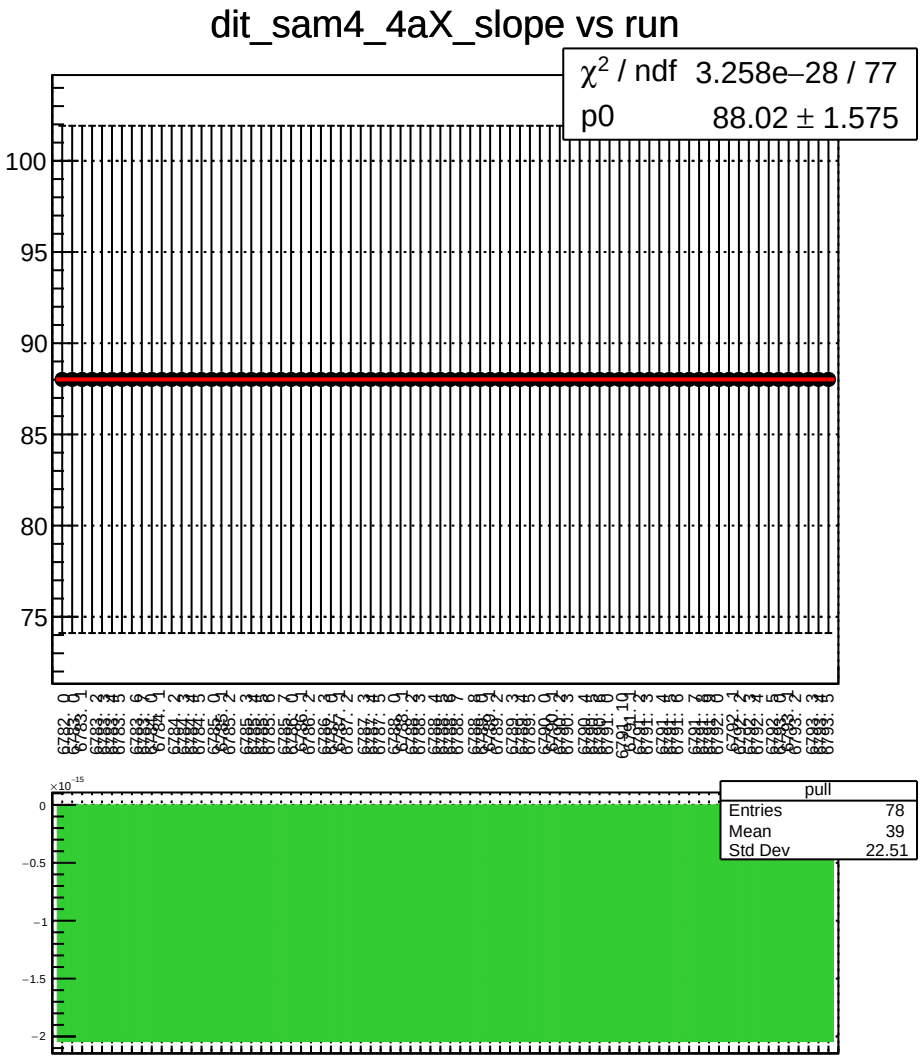


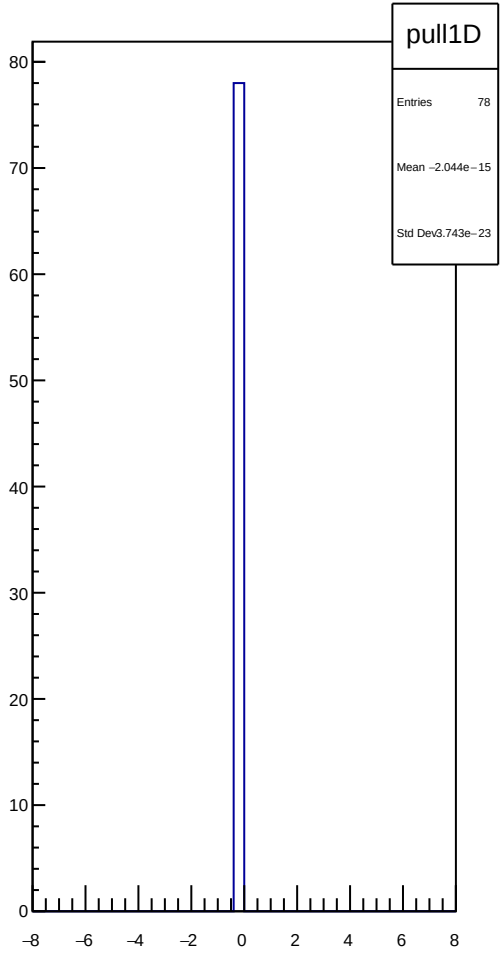



dit_sam3_4aY_slope vs run
χ² / ndf 2.007e−25 / 77
p0 −6.859 ± 0.007931
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −5.072e−14
Std Dev 1.694e−21

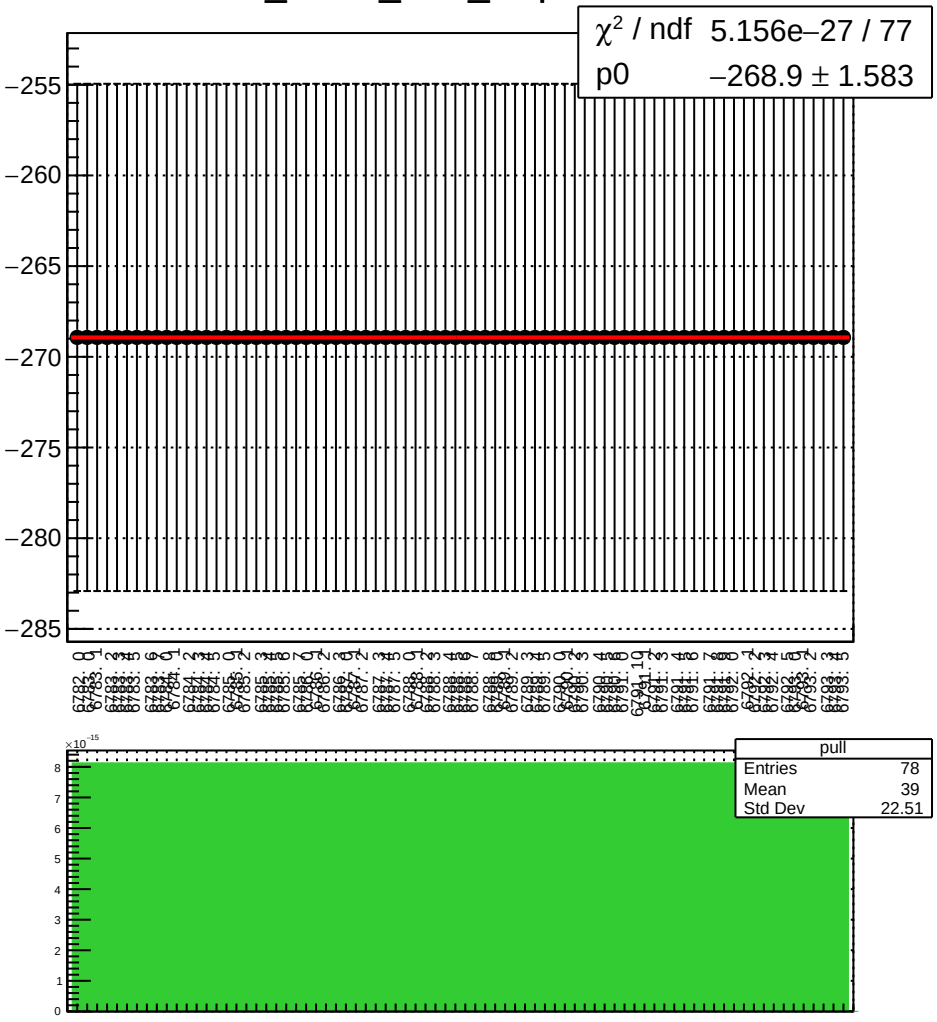

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.046e−25 / 77
p0 30.16 ± 0.04393
30.6
30.5
30.4
30.3
30.2
30.1
30
29.9
29.8
29.7
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

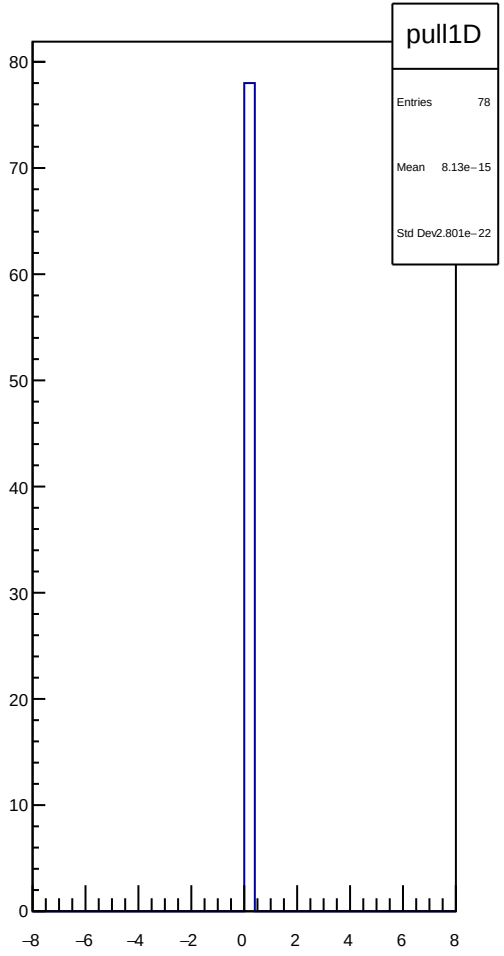

pull1D
Entries 78
Mean −3.663e−14
Std Dev 1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

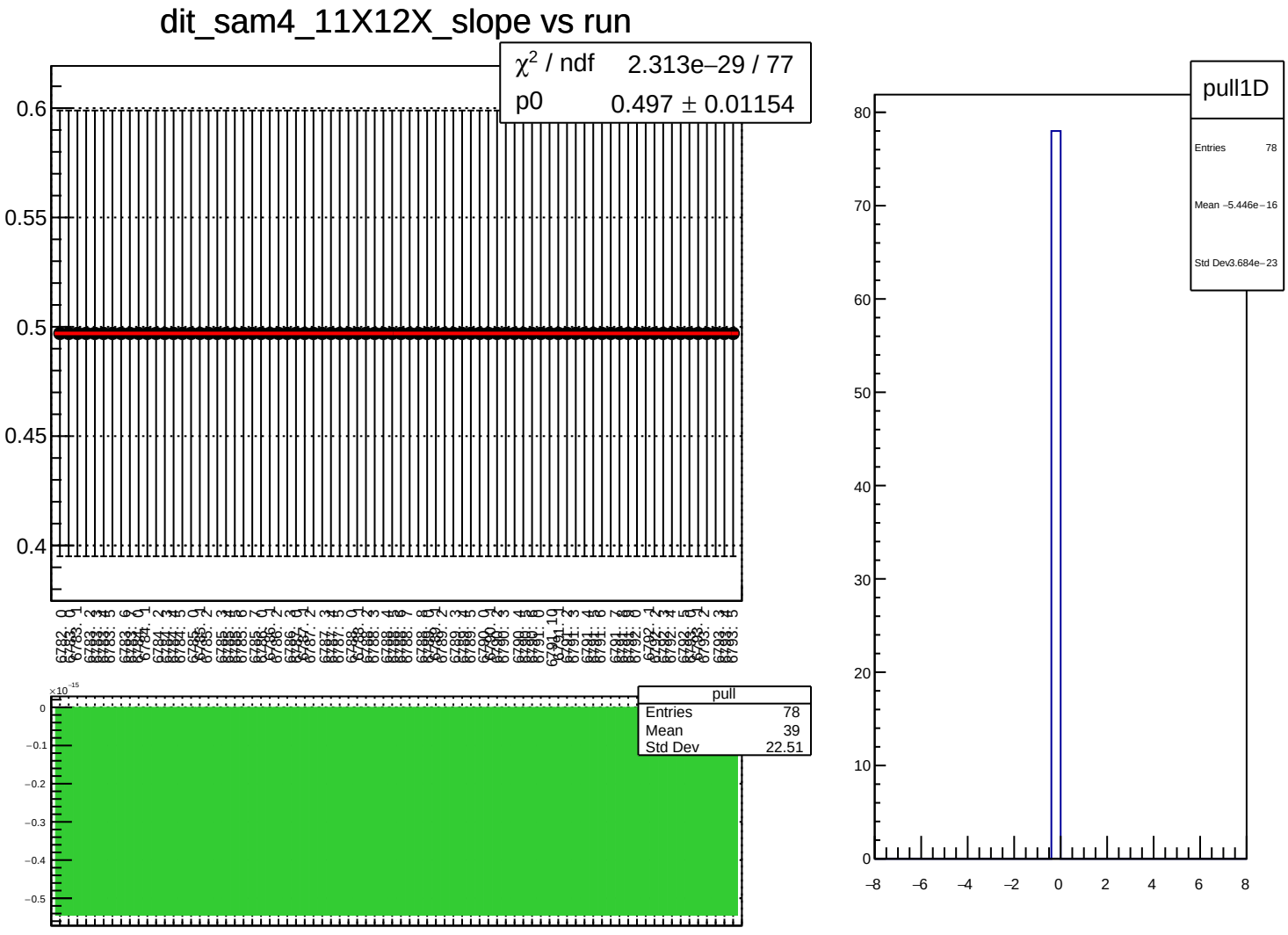

dit_sam4_4aX_slope vs run
χ² / ndf 3.258e−28 / 77
p0 88.02 ± 1.575
100
95
90
85
80
75
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2

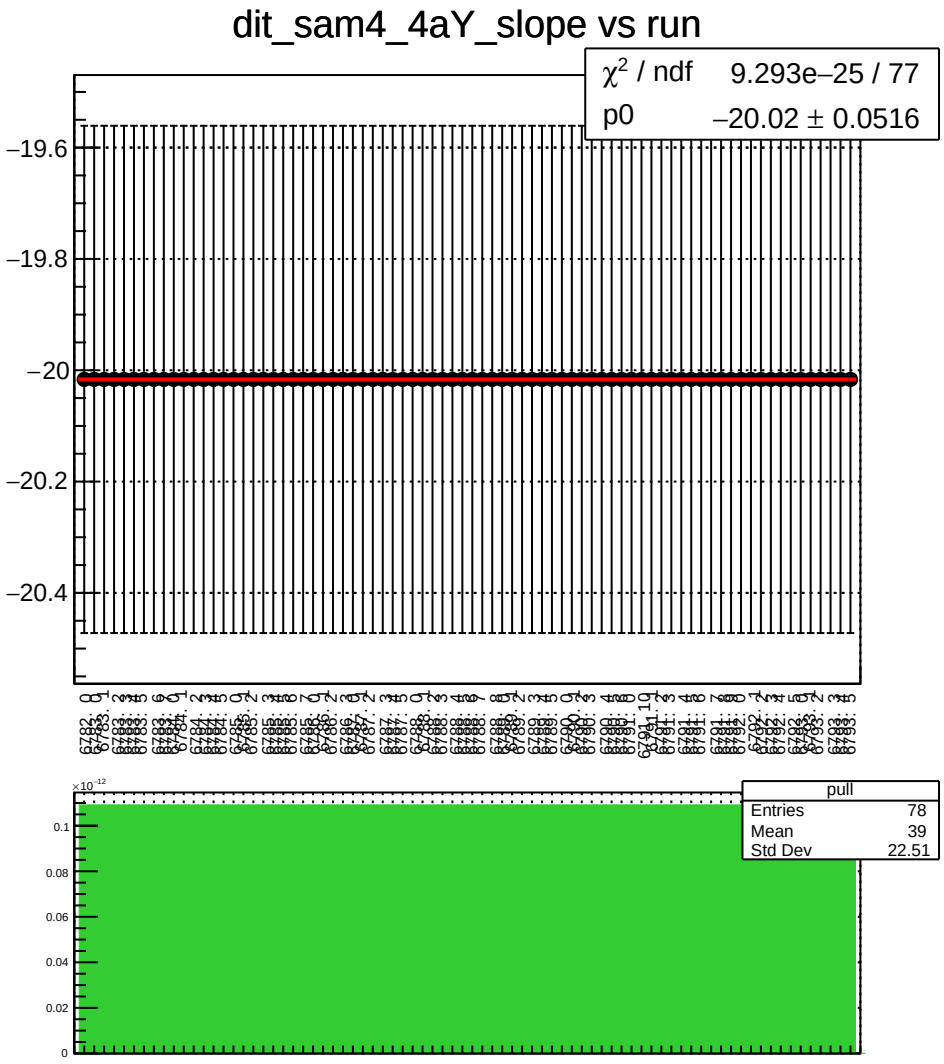

pull1D
Entries 78
Mean −2.044e−15
Std Dev 3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

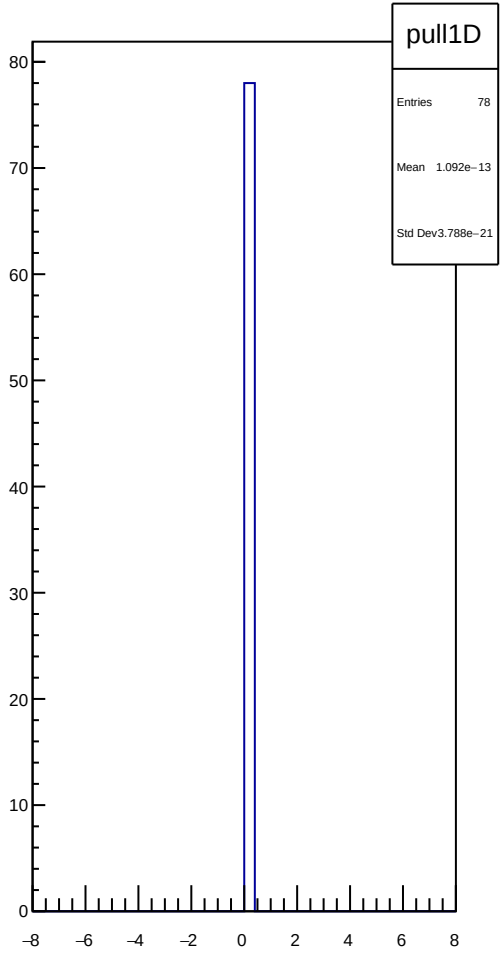
dit_sam4_4eX_slope vs run

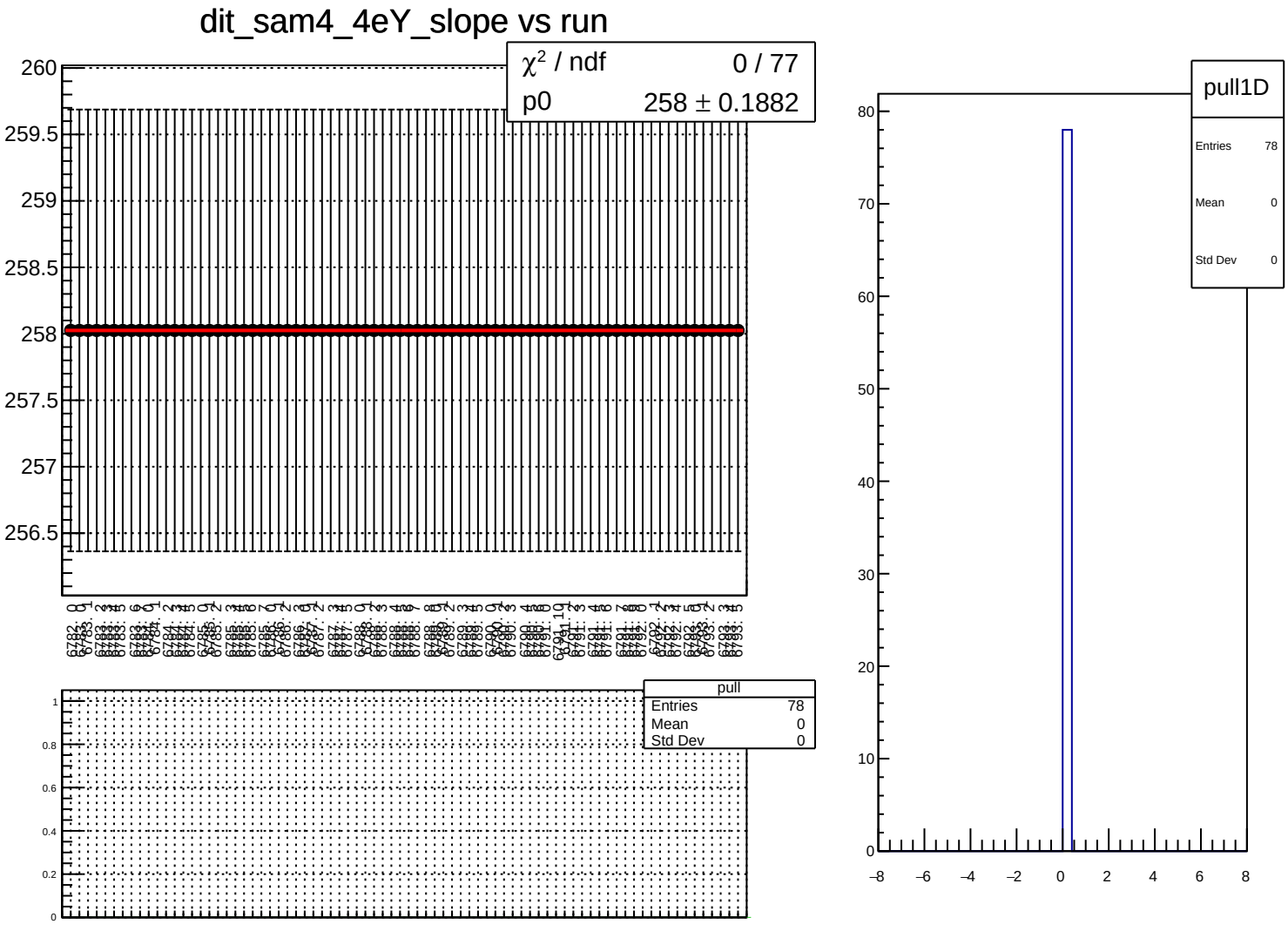




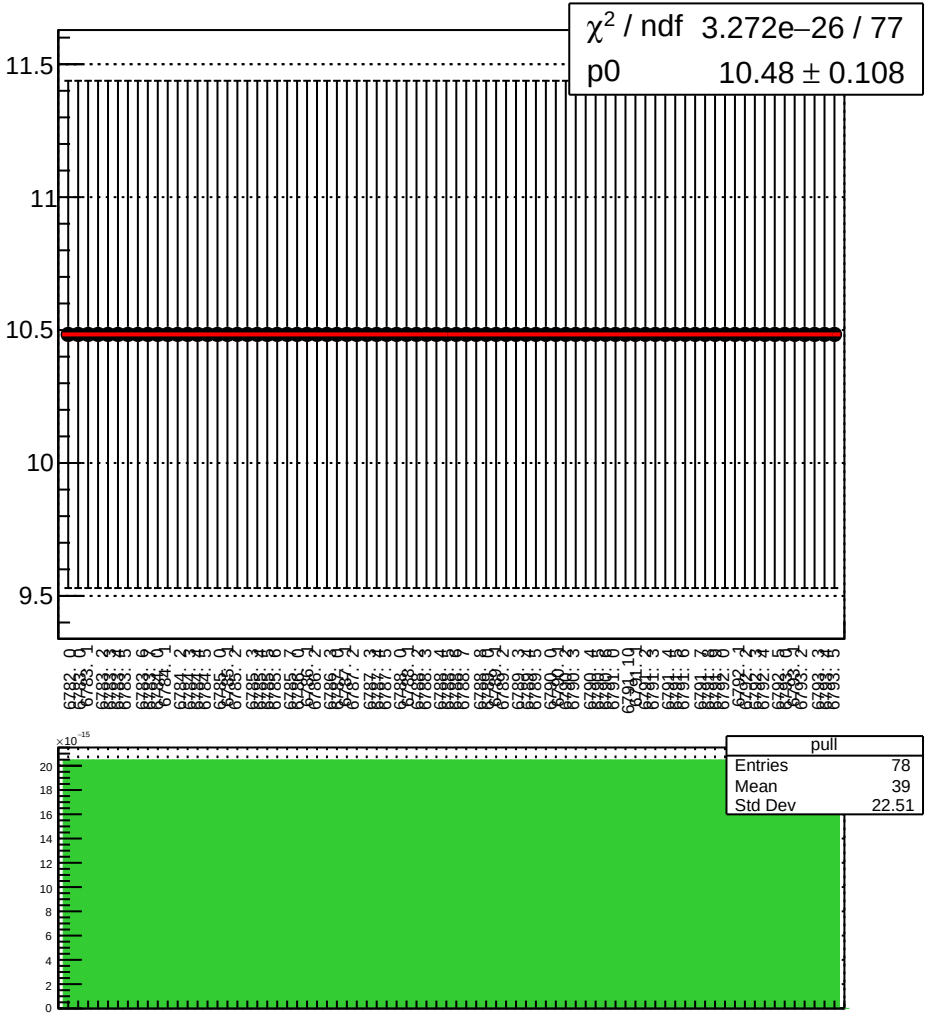

dit_sam4_11X12X_slope vs run
χ^2 / ndf 2.313e−29 / 77
p0 0.497 ± 0.01154
0.6
0.55
0.5
0.45
0.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 78
Mean −5.446e−16
Std Dev 3.684e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

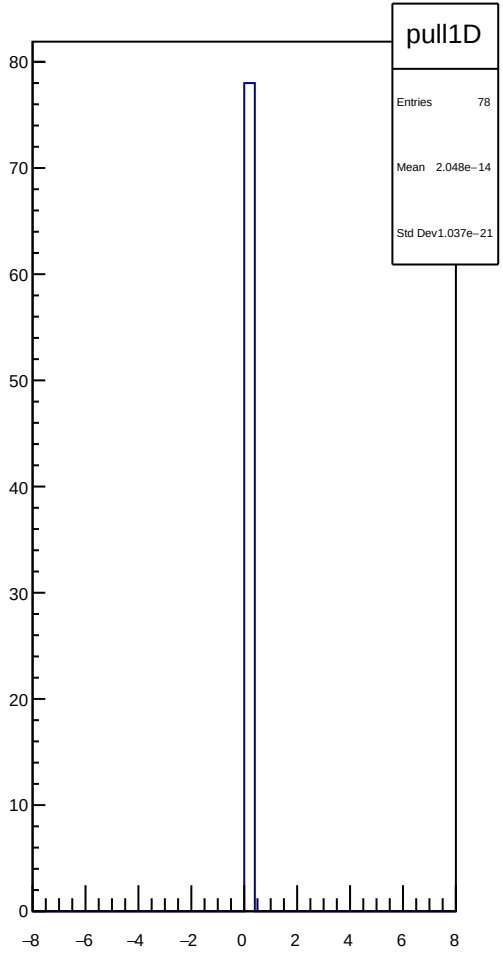

dit_sam4_4aY_slope vs run
χ² / ndf 9.293e−25 / 77
p0 −20.02 ± 0.0516
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

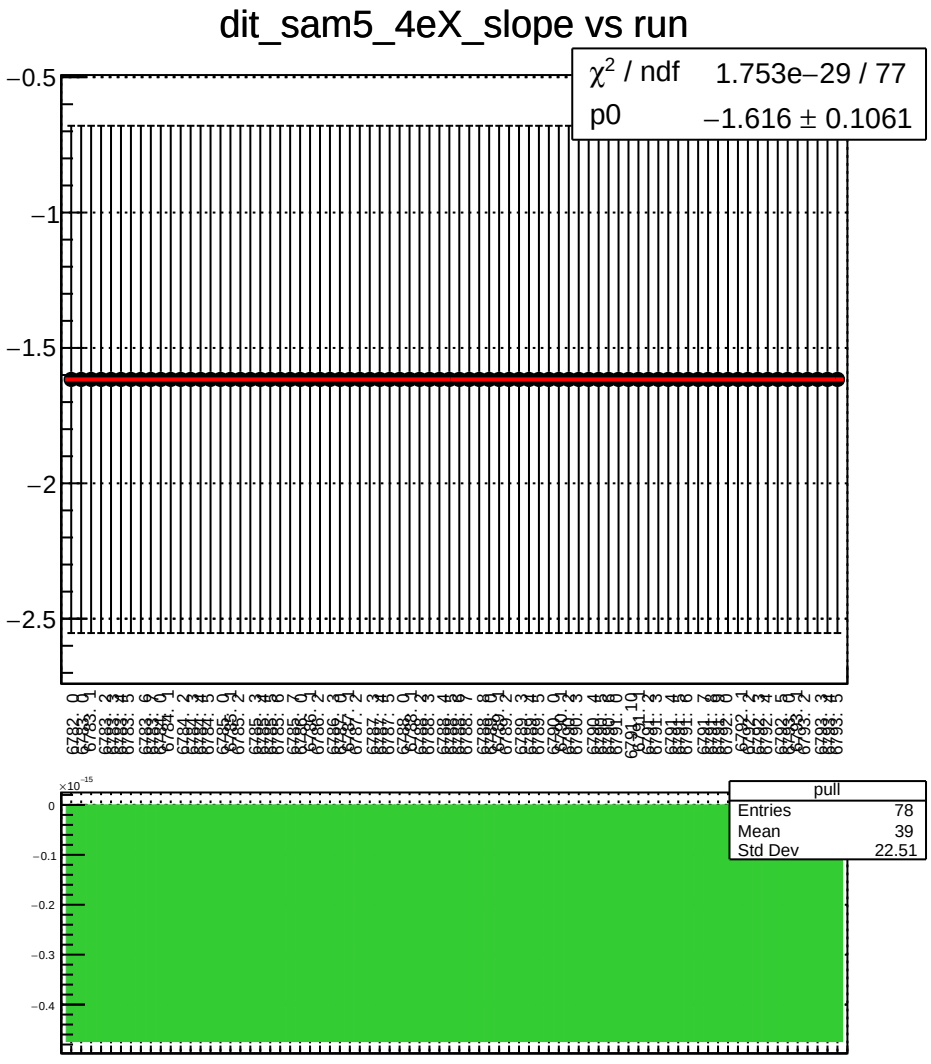

pull1D
Entries 78
Mean 1.092e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

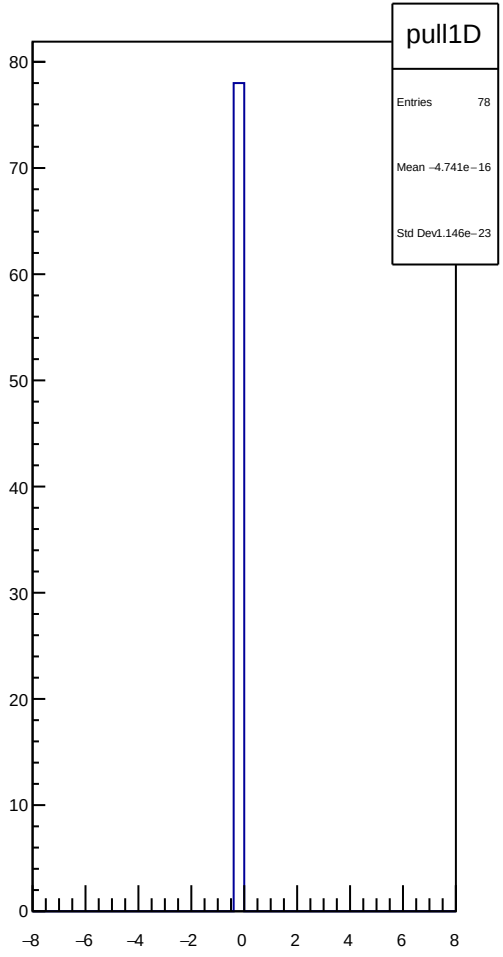

dit_sam4_4eY_slope vs run
χ² / ndf 0 / 77
p0 258 ± 0.1882
260
259.5
259
258.5
258
257.5
257
256.5
pull
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 78
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

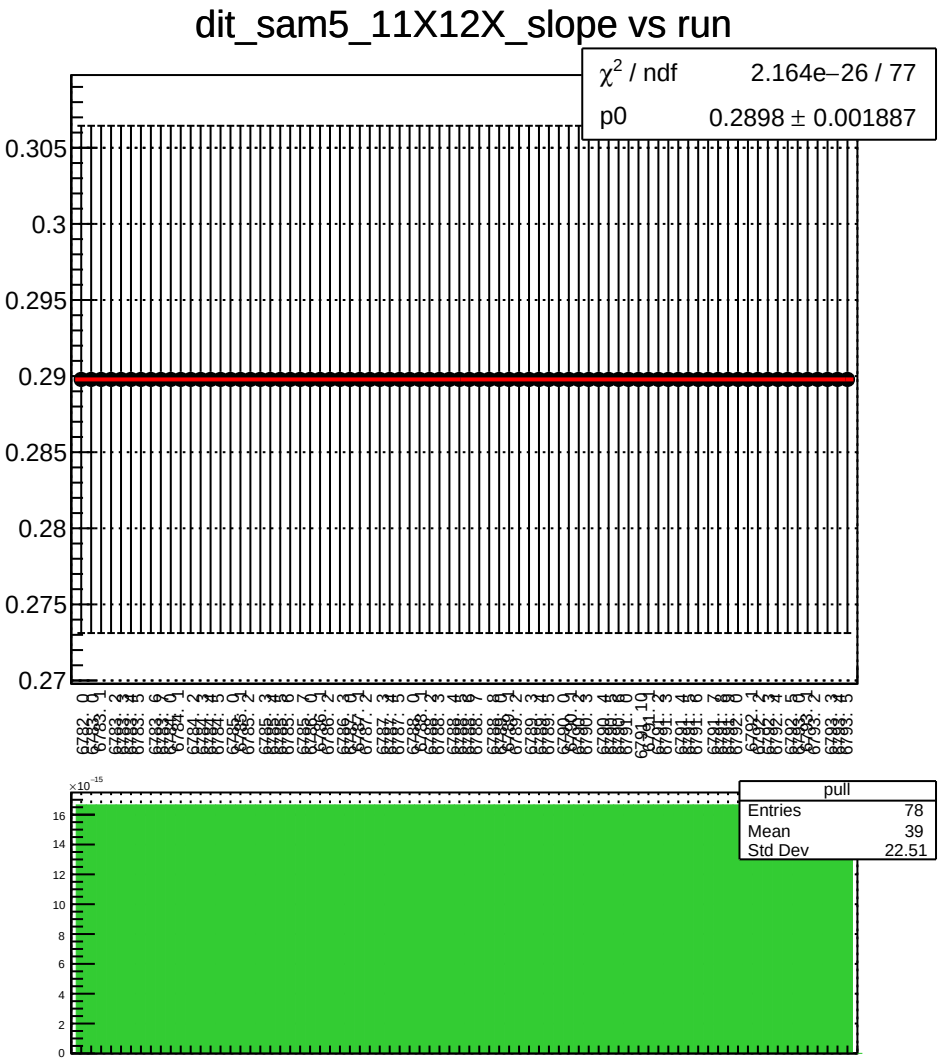
dit_sam5_4aX_slope vs run

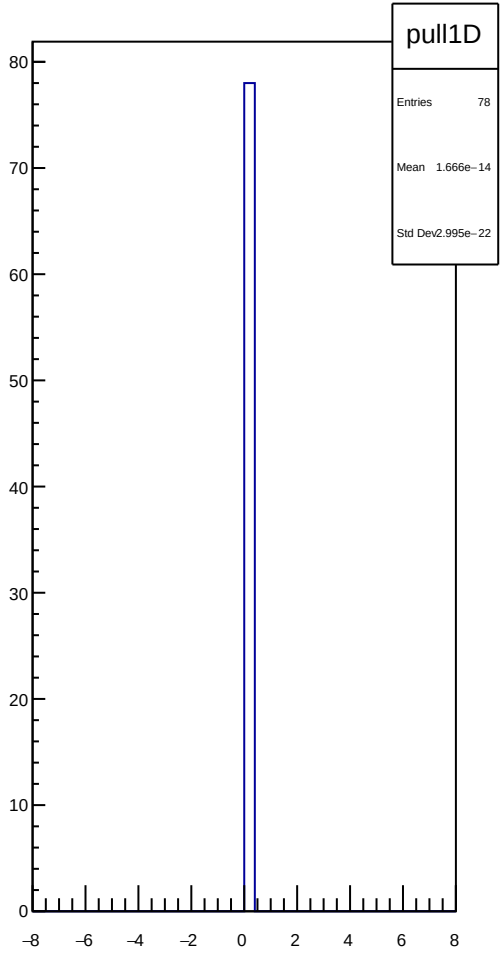




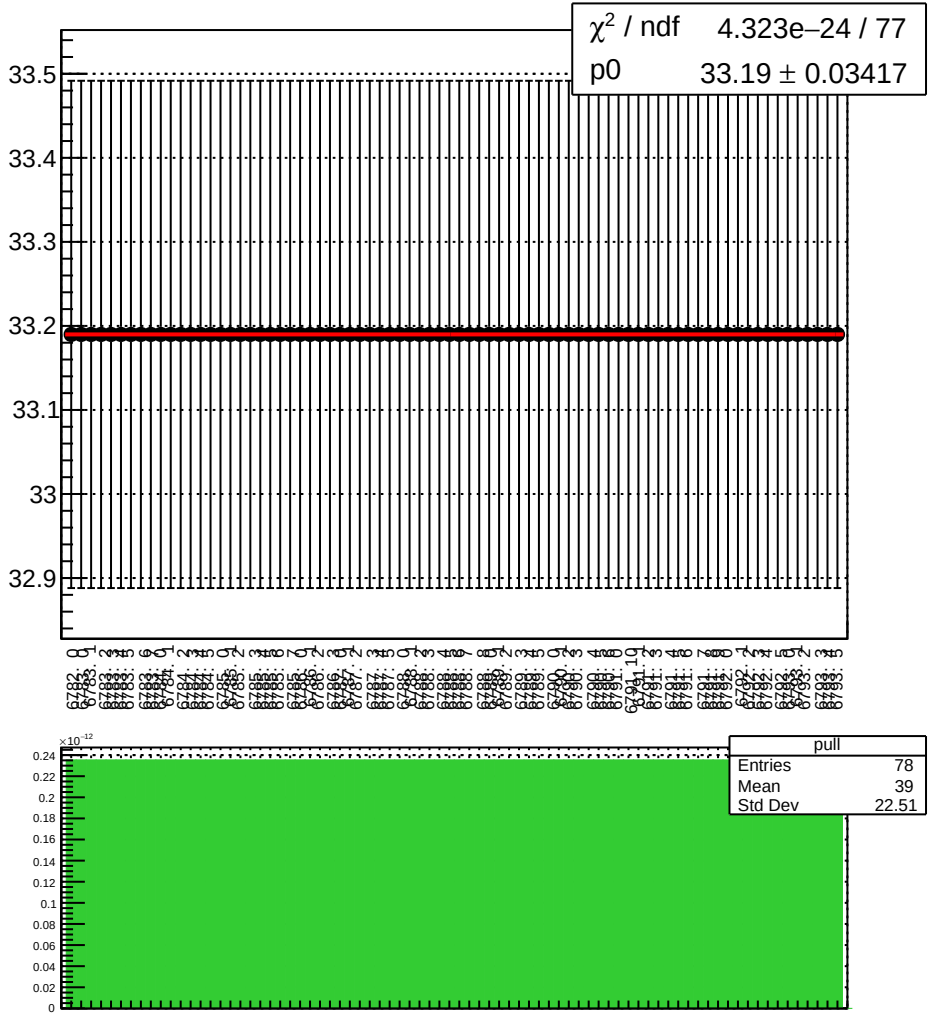

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.753e−29 / 77
p0 −1.616 ± 0.1061
pull
Entries 78
Mean 39
Std Dev 22.51

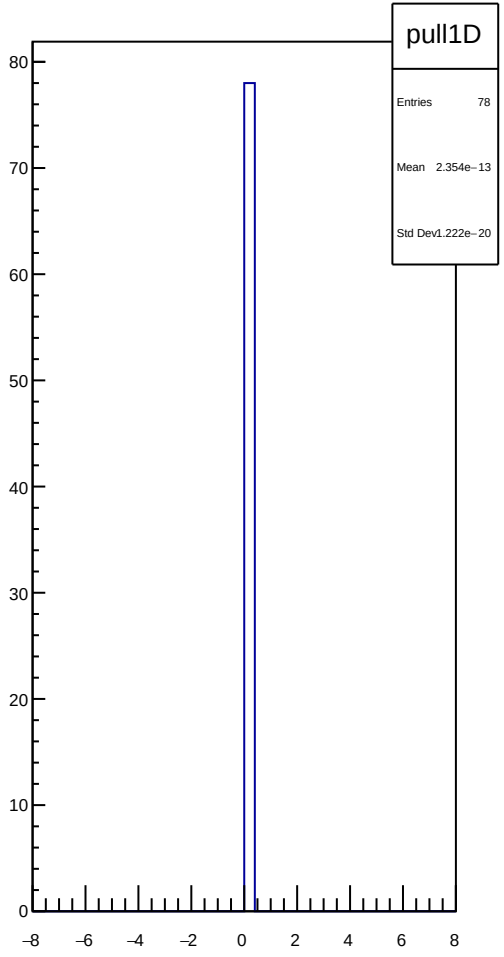

pull1D
Entries 78
Mean −4.741e−16
Std Dev1.146e−23

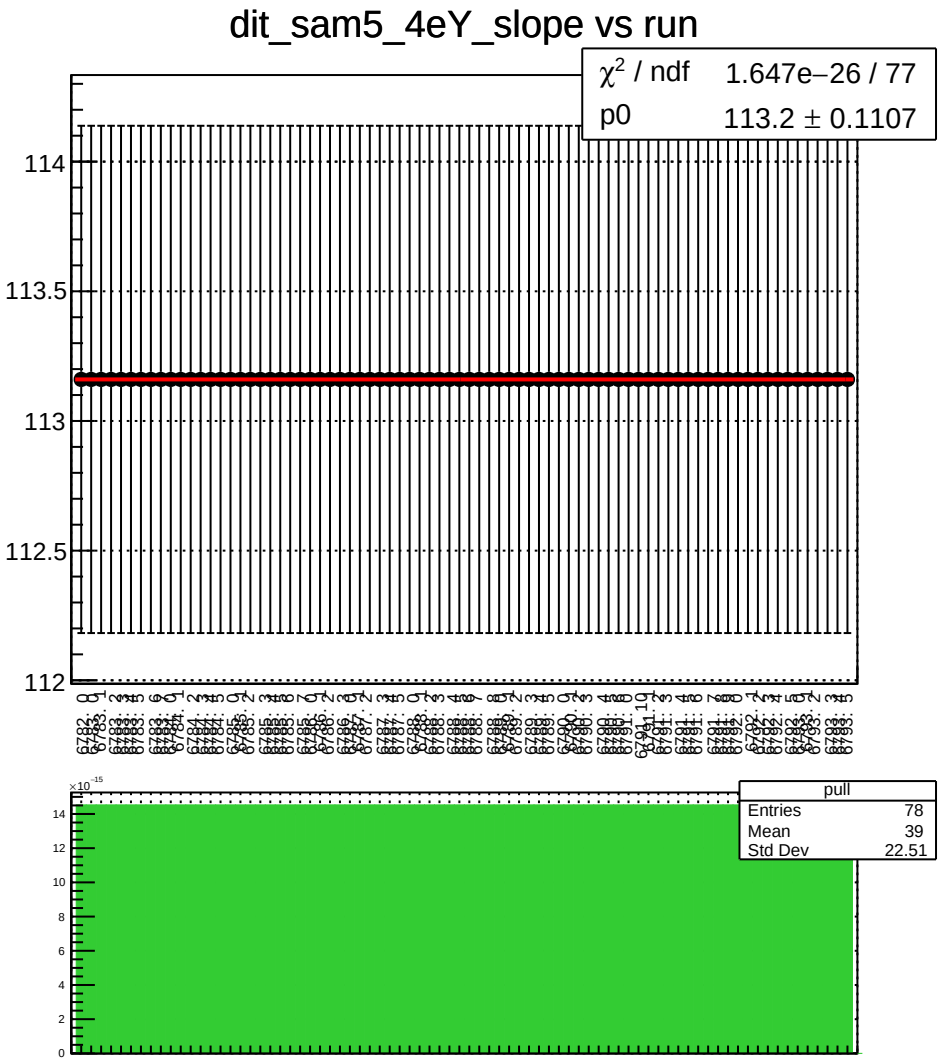

dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.164e−26 / 77
p0 0.2898 ± 0.001887
0.305
0.3
0.295
0.29
0.285
0.28
0.275
0.27
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
16
14
12
10
8
6
4
2
0

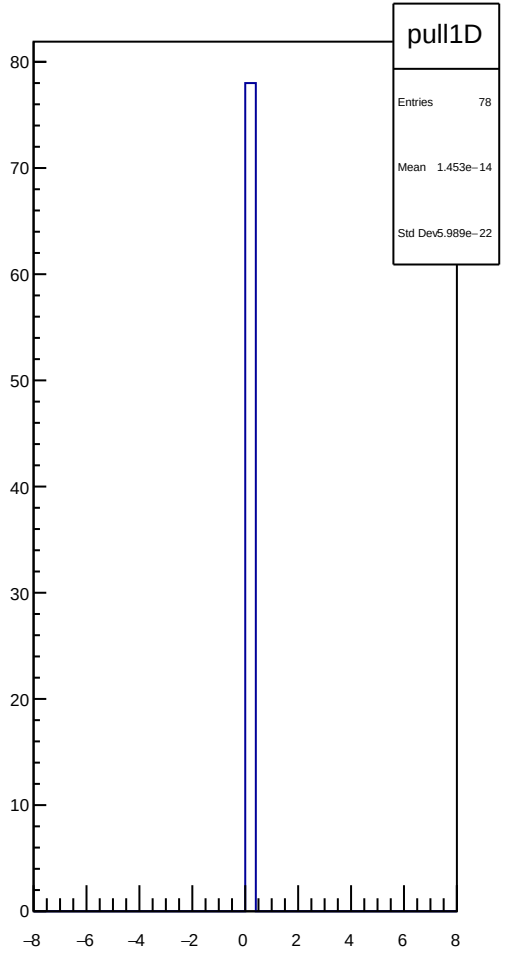

pull1D
Entries 78
Mean 1.666e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run

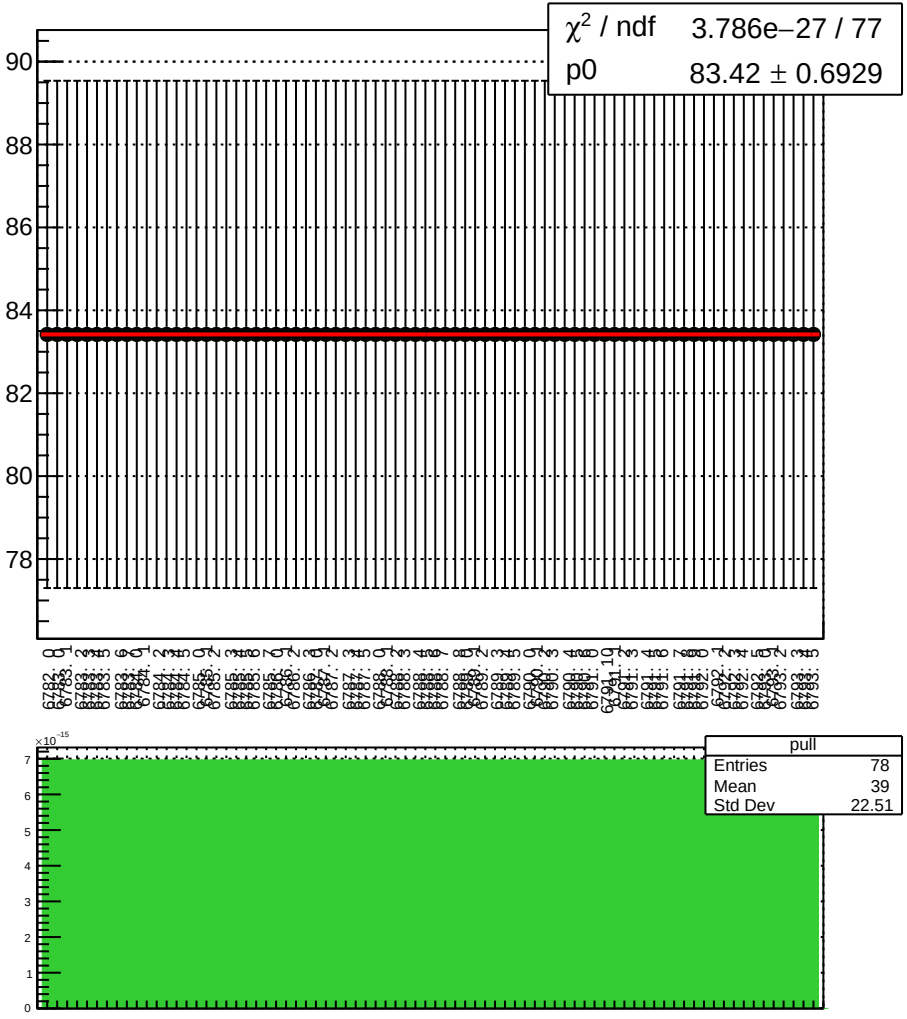


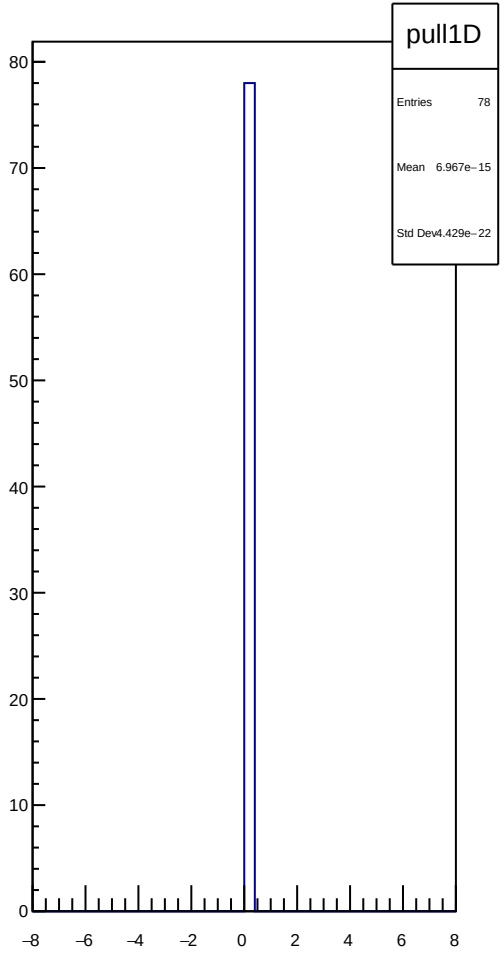



dit_sam5_4eY_slope vs run
χ^2 / ndf 1.647e−26 / 77
p0 113.2 ± 0.1107
114
113.5
113
112.5
112
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
14
12
10
8
6
4
2
0

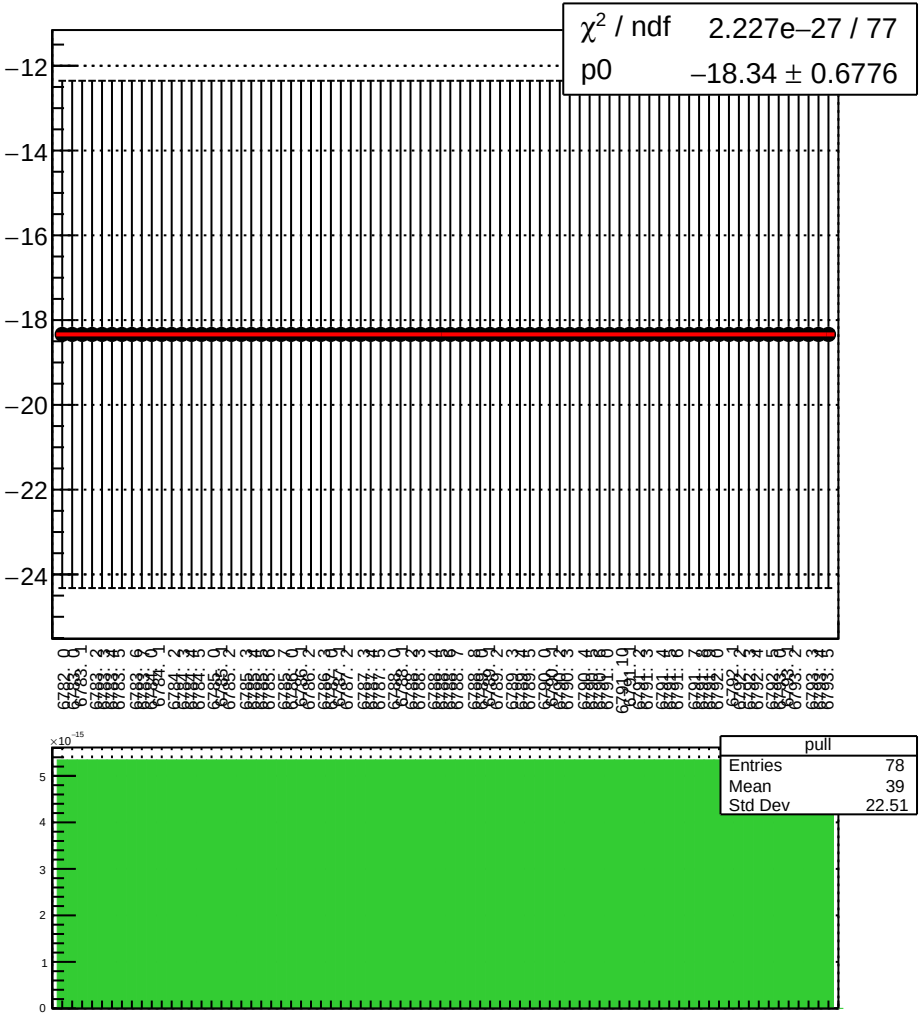

pull1D
Entries 78
Mean 1.453e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

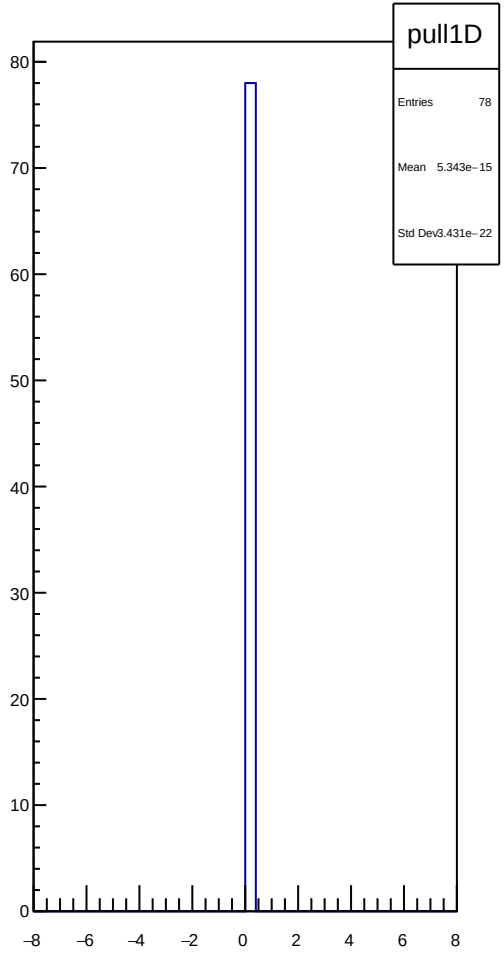
dit_sam6_4aX_slope vs run

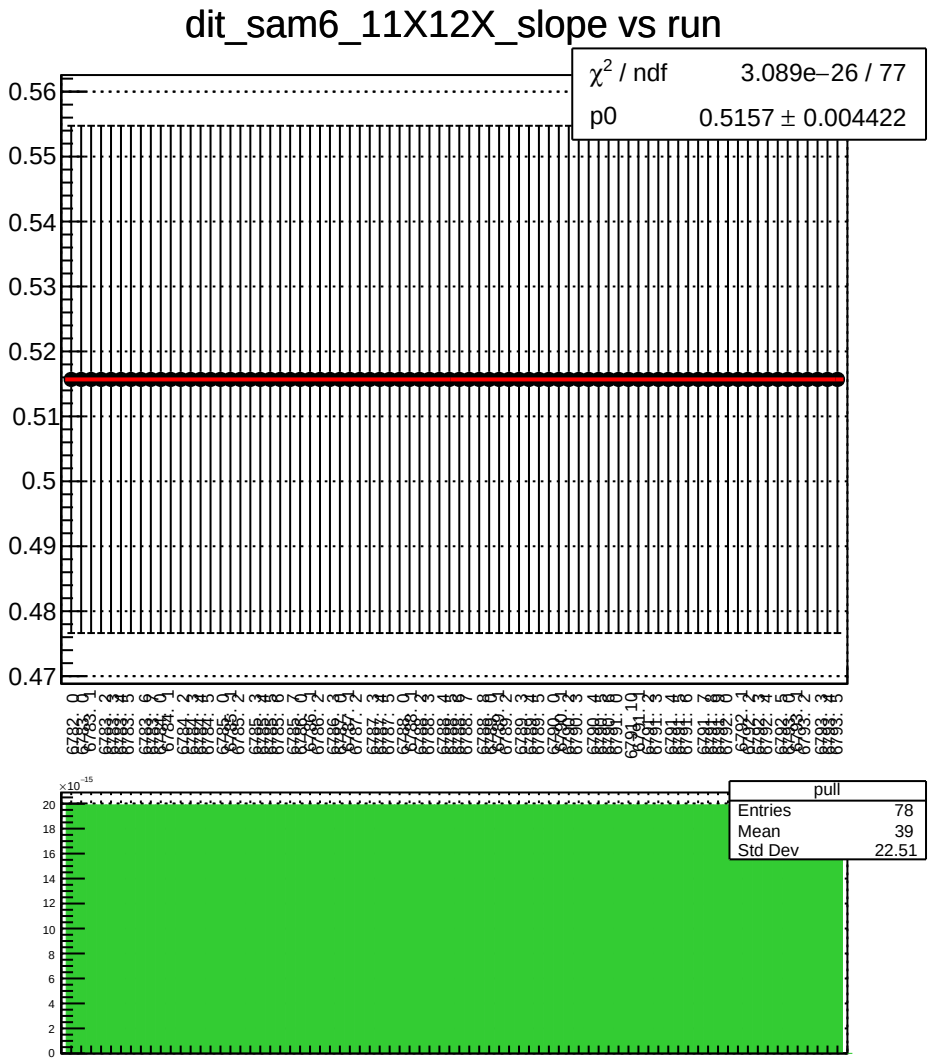


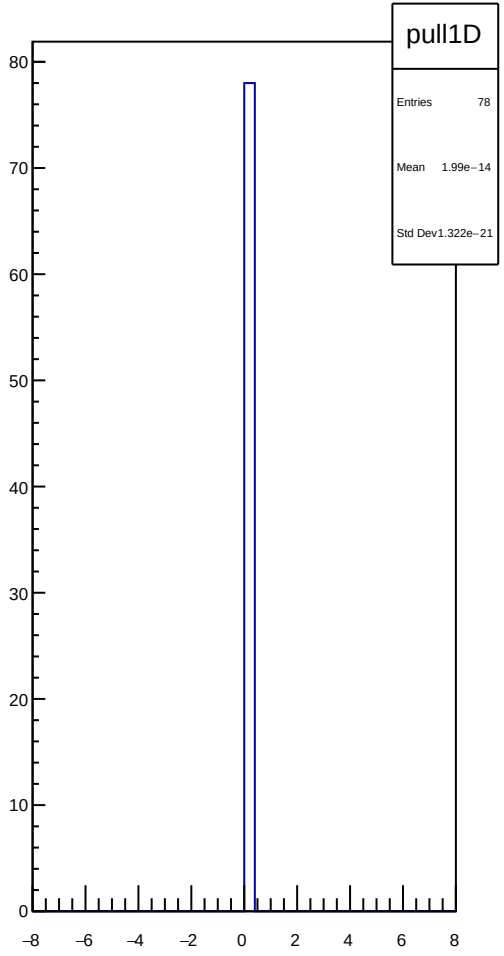


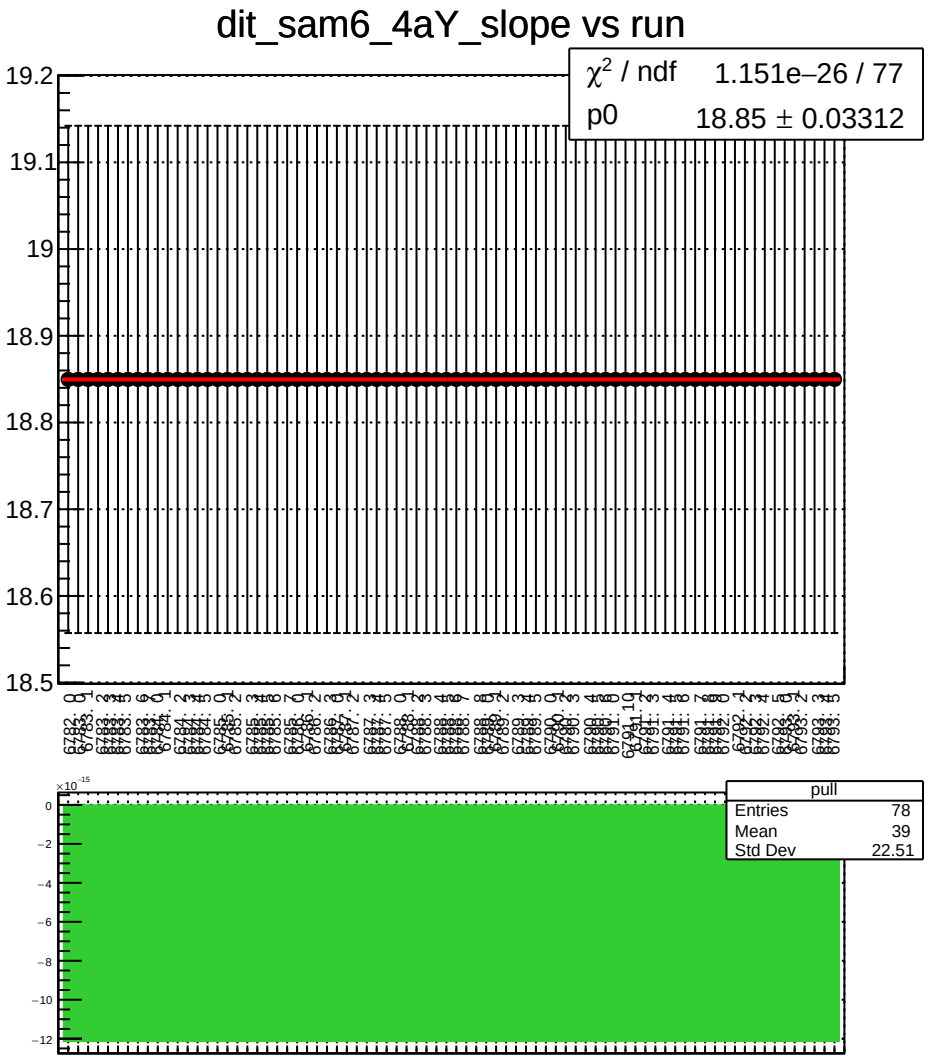
dit_sam6_4eX_slope vs run

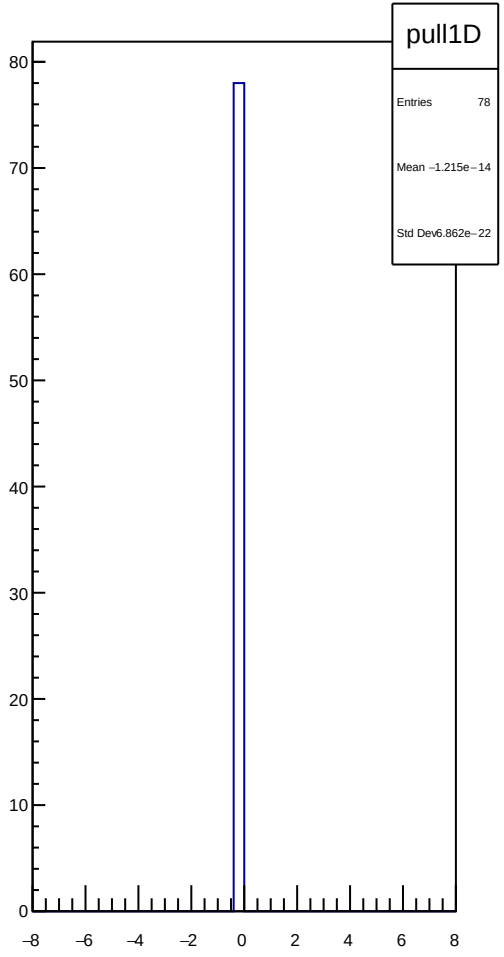


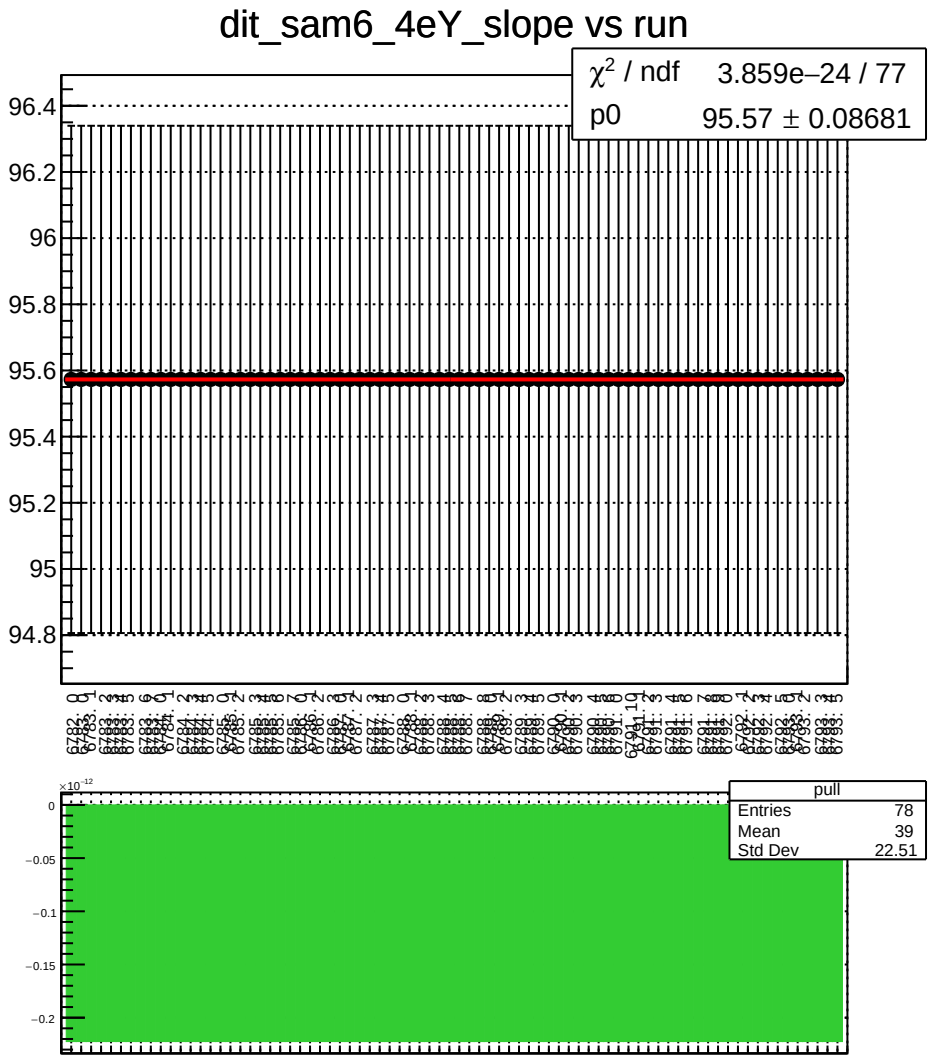


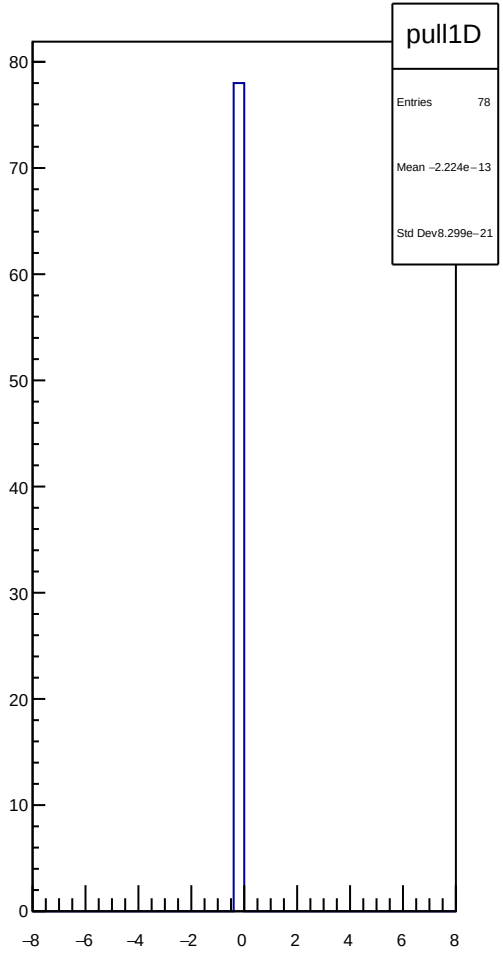

dit_sam6_11X12X_slope vs run
χ^2 / ndf 3.089e−26 / 77
p0 0.5157 ± 0.004422
pull
Entries 78
Mean 39
Std Dev 22.51

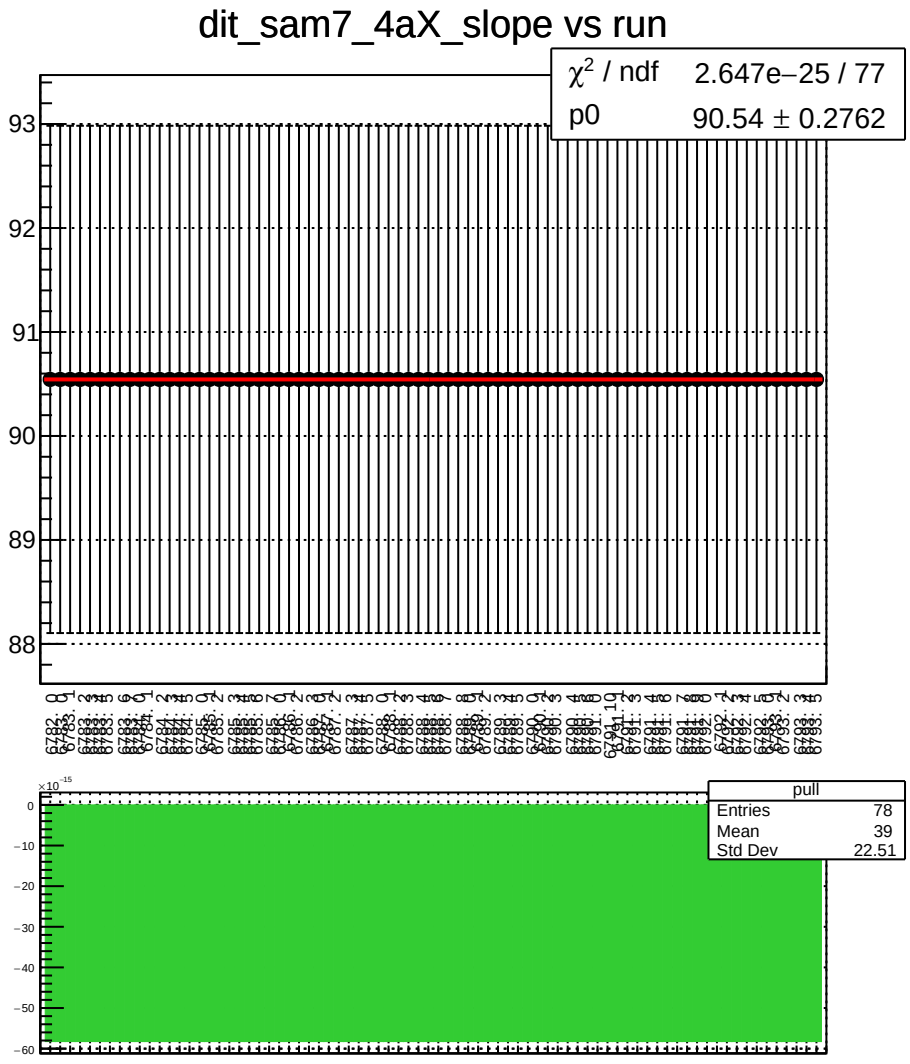

pull1D
Entries 78
Mean 1.99e−14
Std Dev 1.322e−21

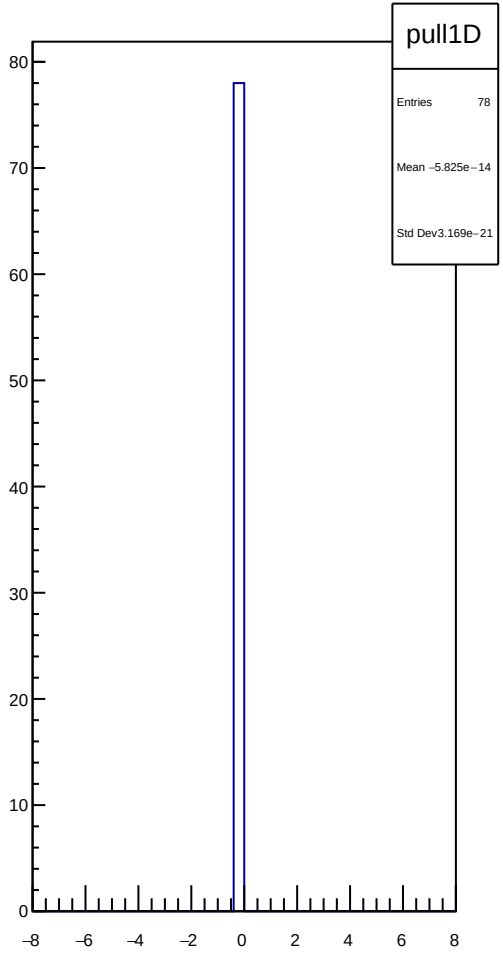

dit_sam6_4aY_slope vs run
χ^2 / ndf 1.151e−26 / 77
p0 18.85 ± 0.03312
pull
Entries 78
Mean 39
Std Dev 22.51


pull1D
Entries 78
Mean −1.215e−14
Std Dev 6.862e−22

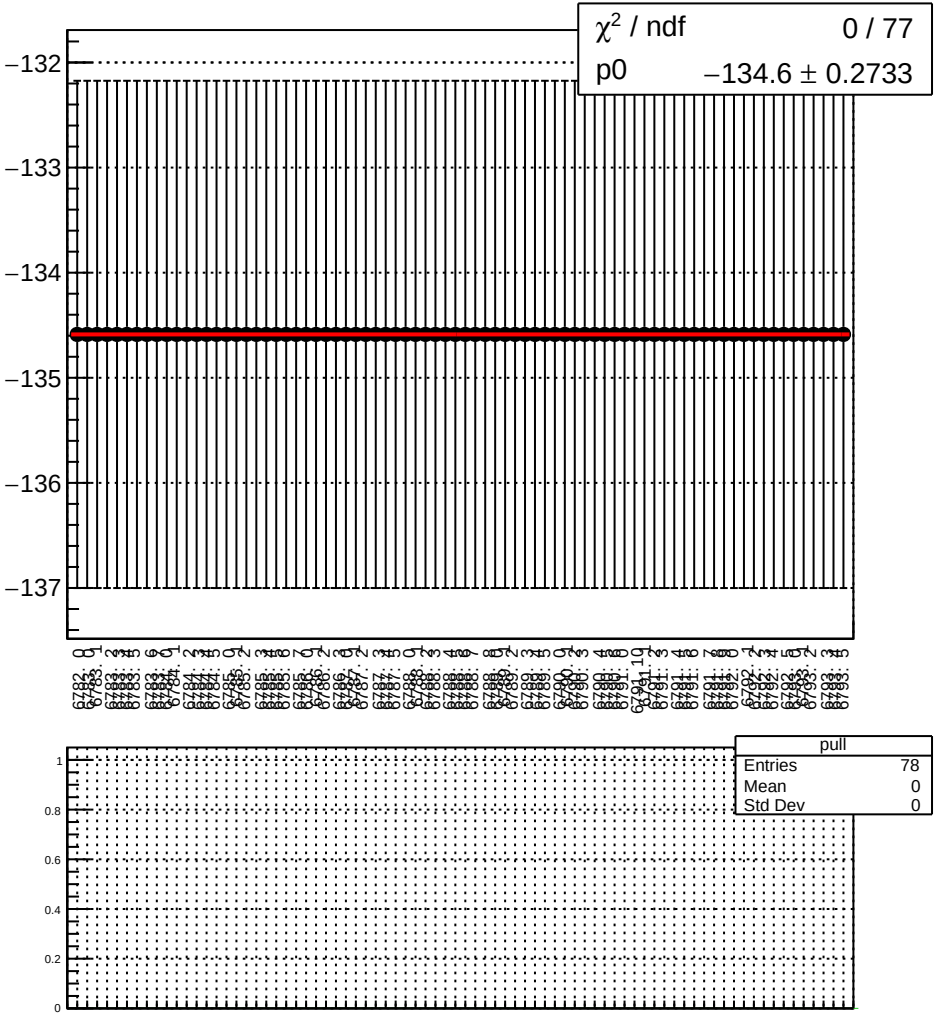

dit_sam6_4eY_slope vs run
χ^2 / ndf 3.859e−24 / 77
p0 95.57 ± 0.08681
96.4
96.2
96
95.8
95.6
95.4
95.2
95
94.8
pull
Entries 78
Mean 39
Std Dev 22.51
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2

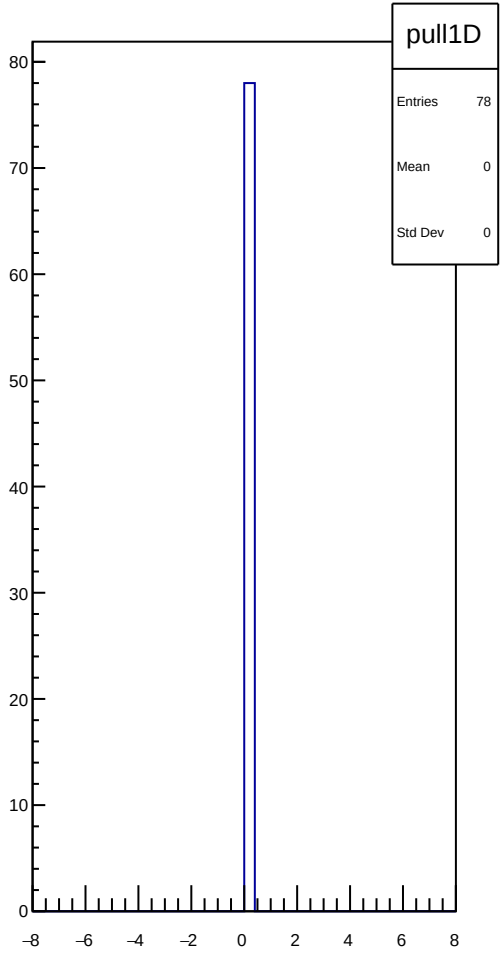

pull1D
Entries 78
Mean −2.224e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

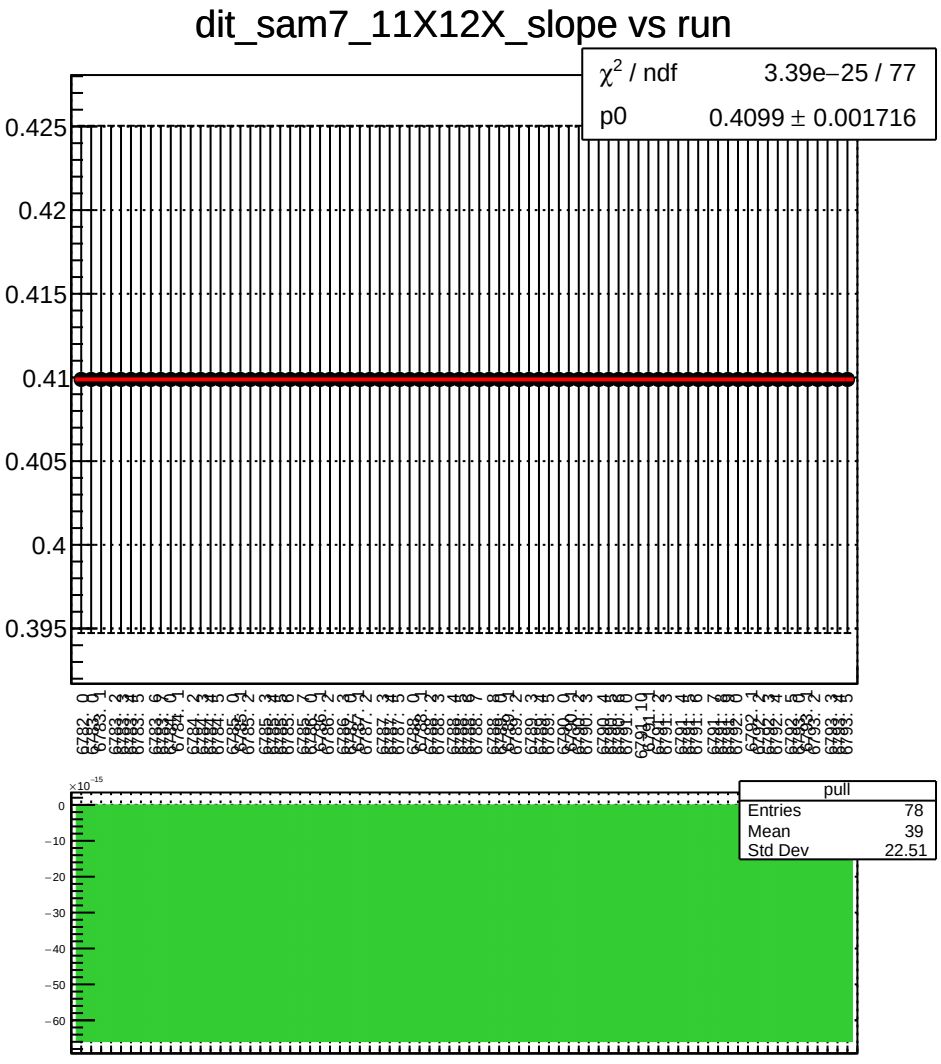

dit_sam7_4aX_slope vs run
χ^2 / ndf 2.647e−25 / 77
p0 90.54 ± 0.2762
93
92
91
90
89
88
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−10
−20
−30
−40
−50
−60

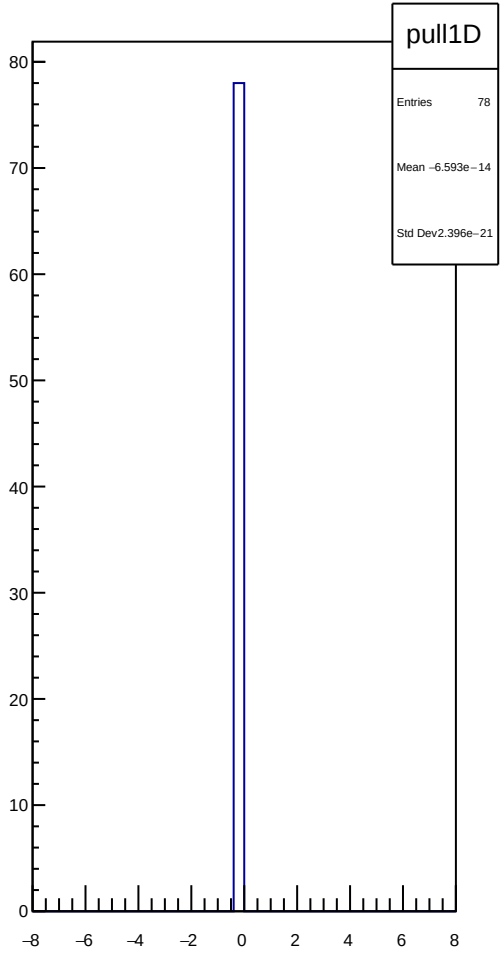

pull1D
Entries 78
Mean −5.825e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

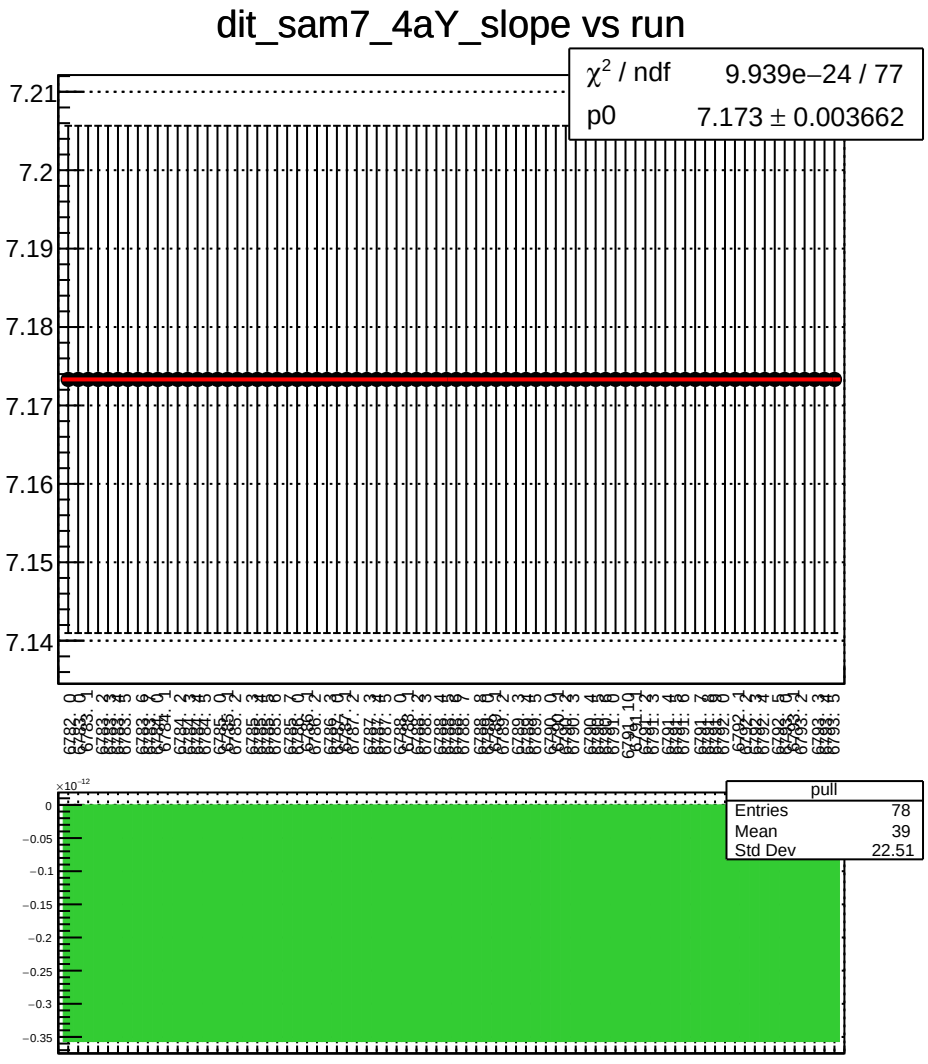
dit_sam7_4eX_slope vs run

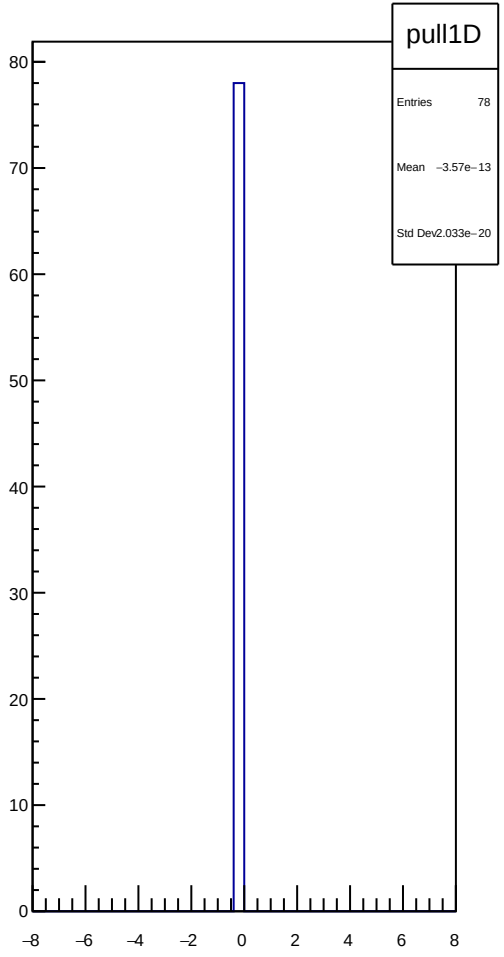


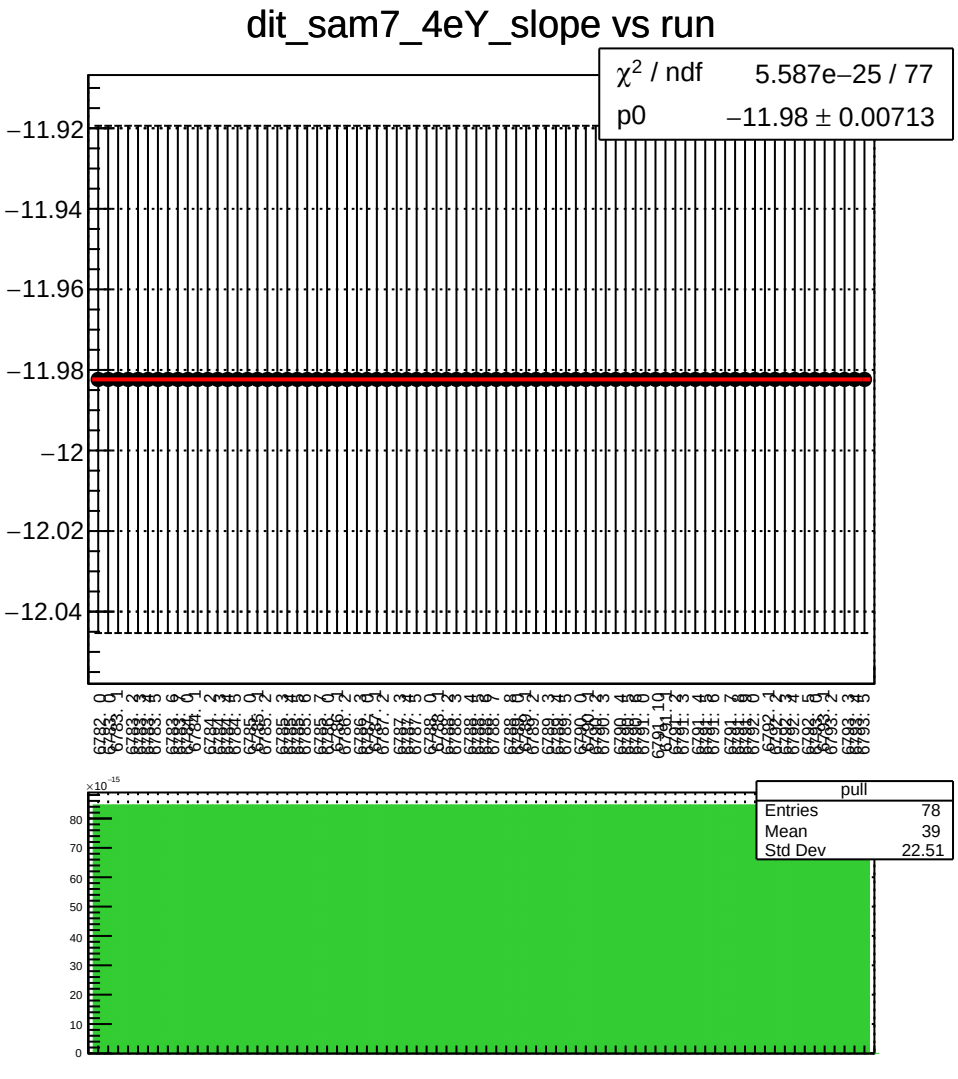


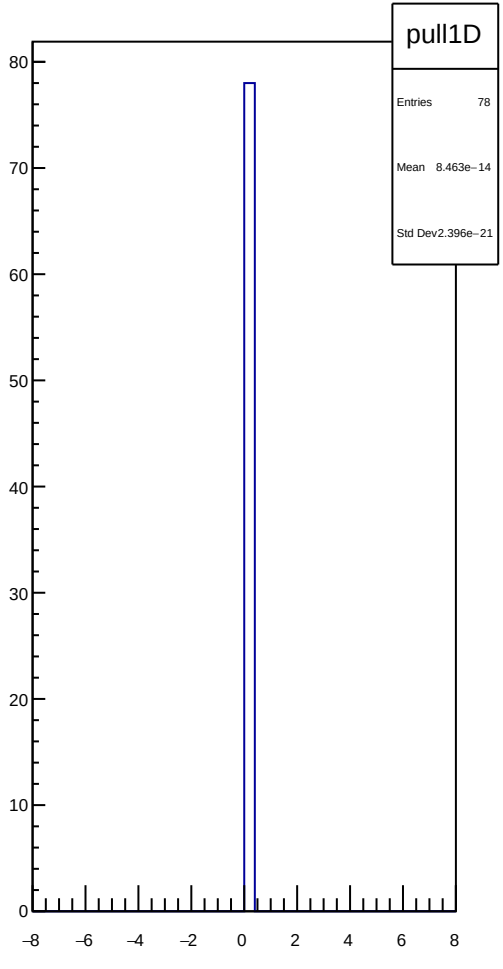

dit_sam7_11X12X_slope vs run
χ^2 / ndf 3.39e−25 / 77
p0 0.4099 ± 0.001716
0.425
0.42
0.415
0.41
0.405
0.4
0.395
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
0
−10
−20
−30
−40
−50
−60


pull1D
Entries 78
Mean −6.593e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

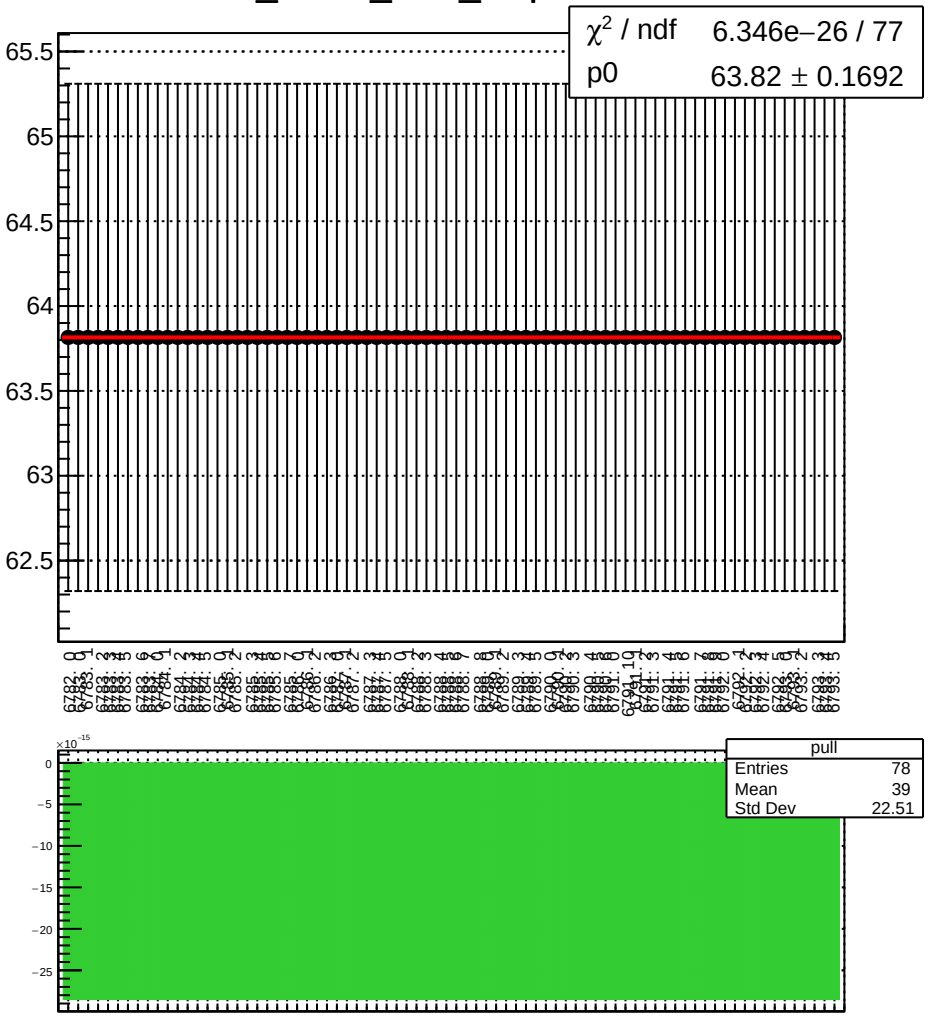

dit_sam7_4aY_slope vs run
χ^2 / ndf 9.939e−24 / 77
p0 7.173 ± 0.003662
7.21
7.2
7.19
7.18
7.17
7.16
7.15
7.14
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

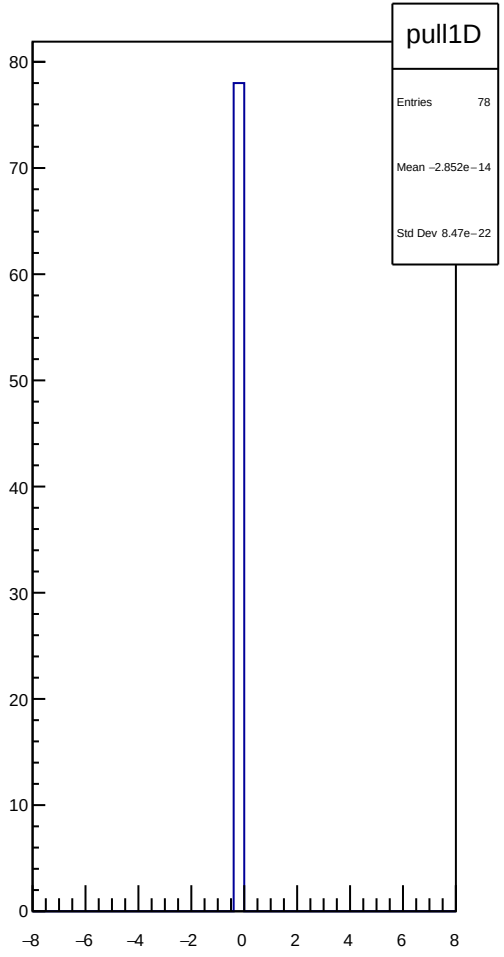

pull1D
Entries 78
Mean −3.57e−13
Std Dev 2.033e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 5.587e−25 / 77
p0 −11.98 ± 0.00713
−11.92
−11.94
−11.96
−11.98
−12
−12.02
−12.04
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

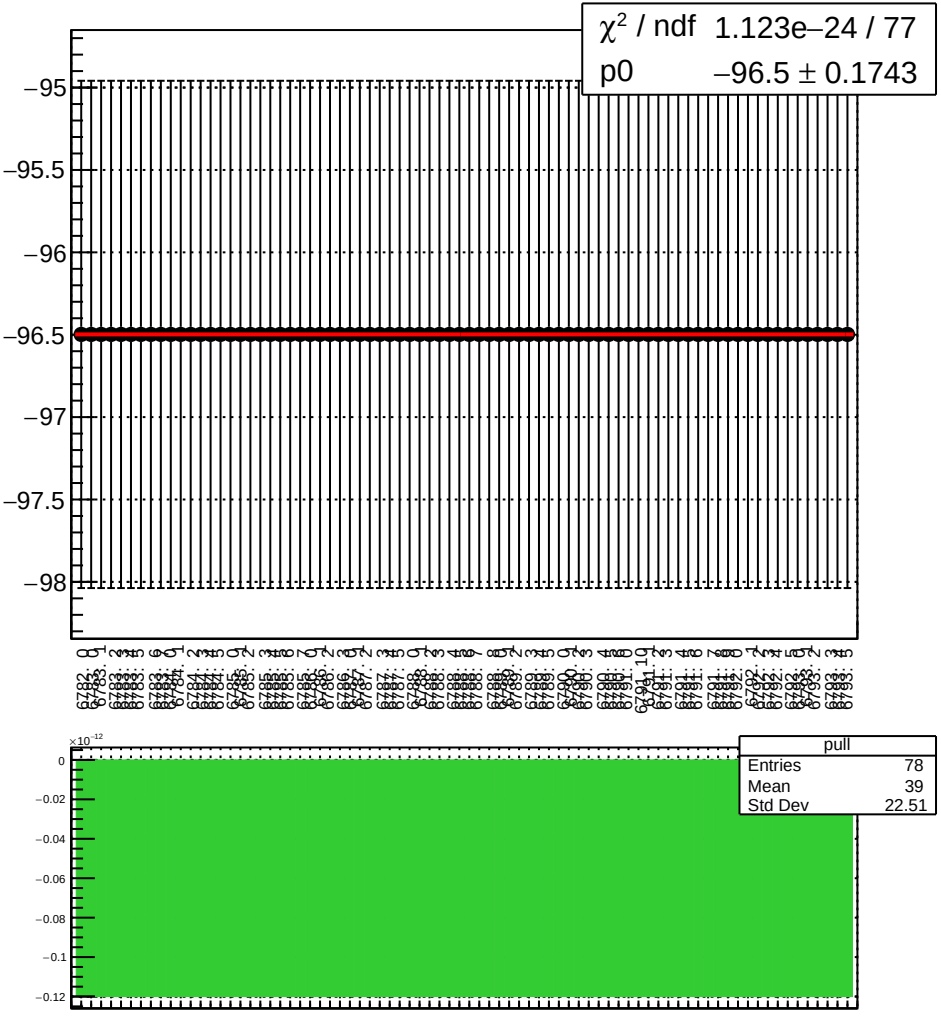

pull1D
Entries 78
Mean 8.463e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

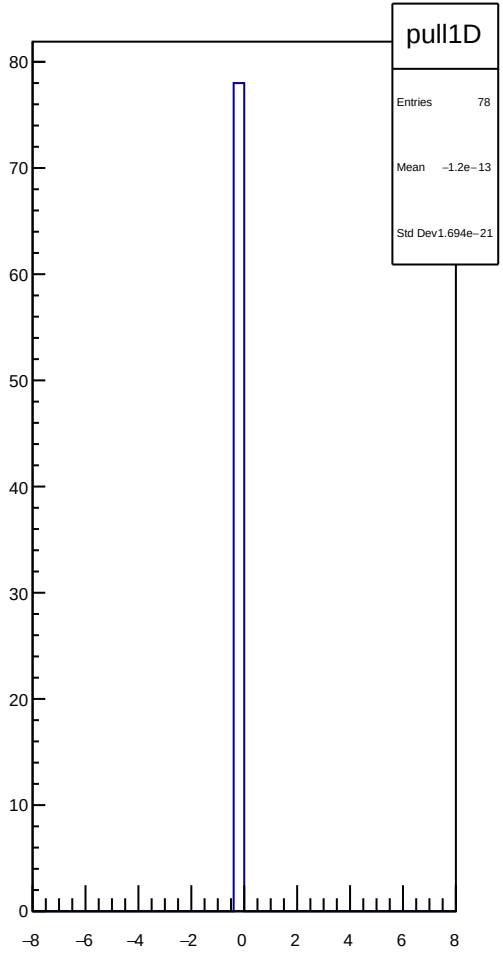
dit_sam8_4aX_slope vs run

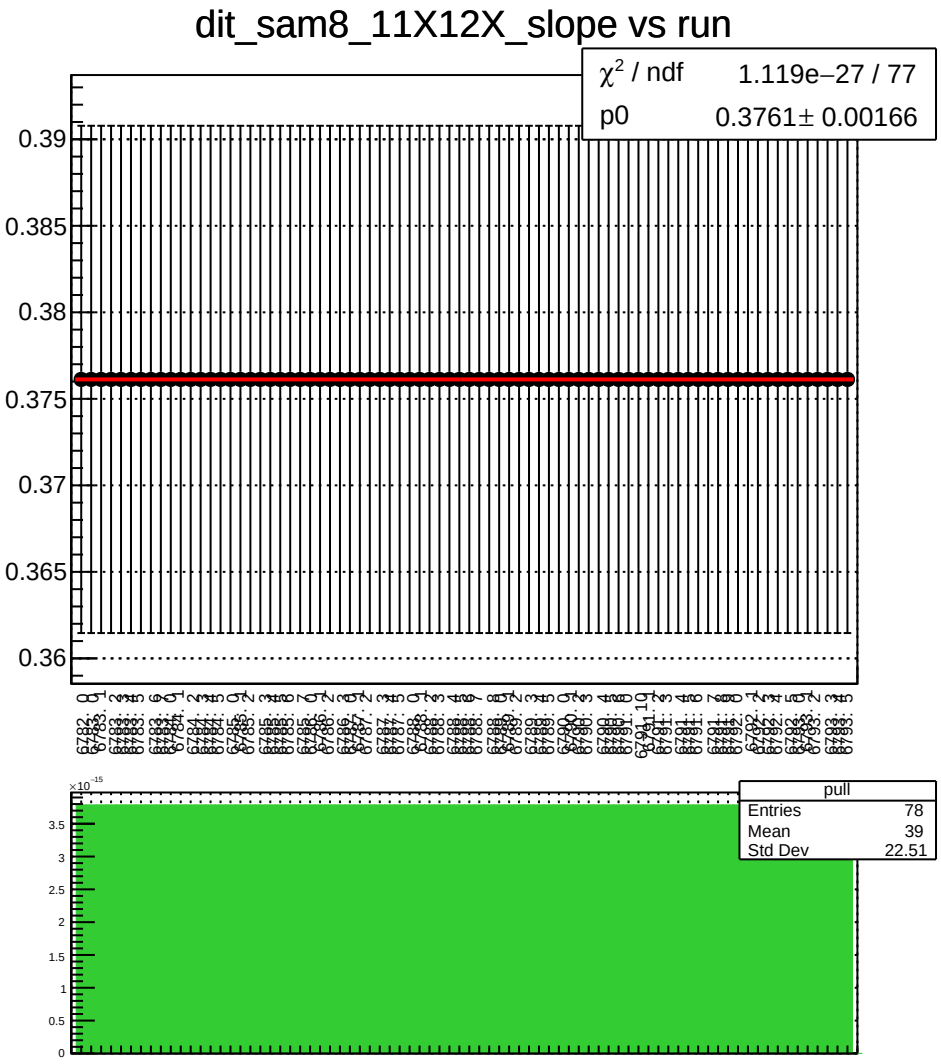


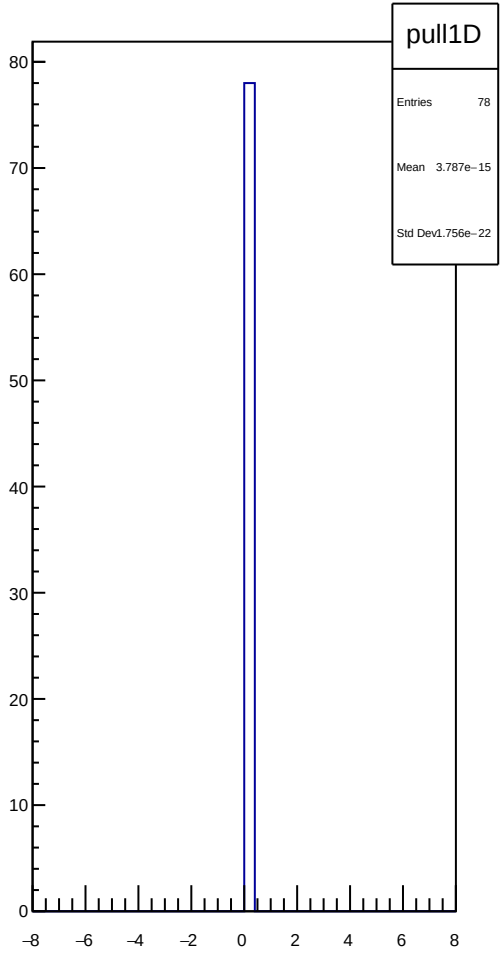


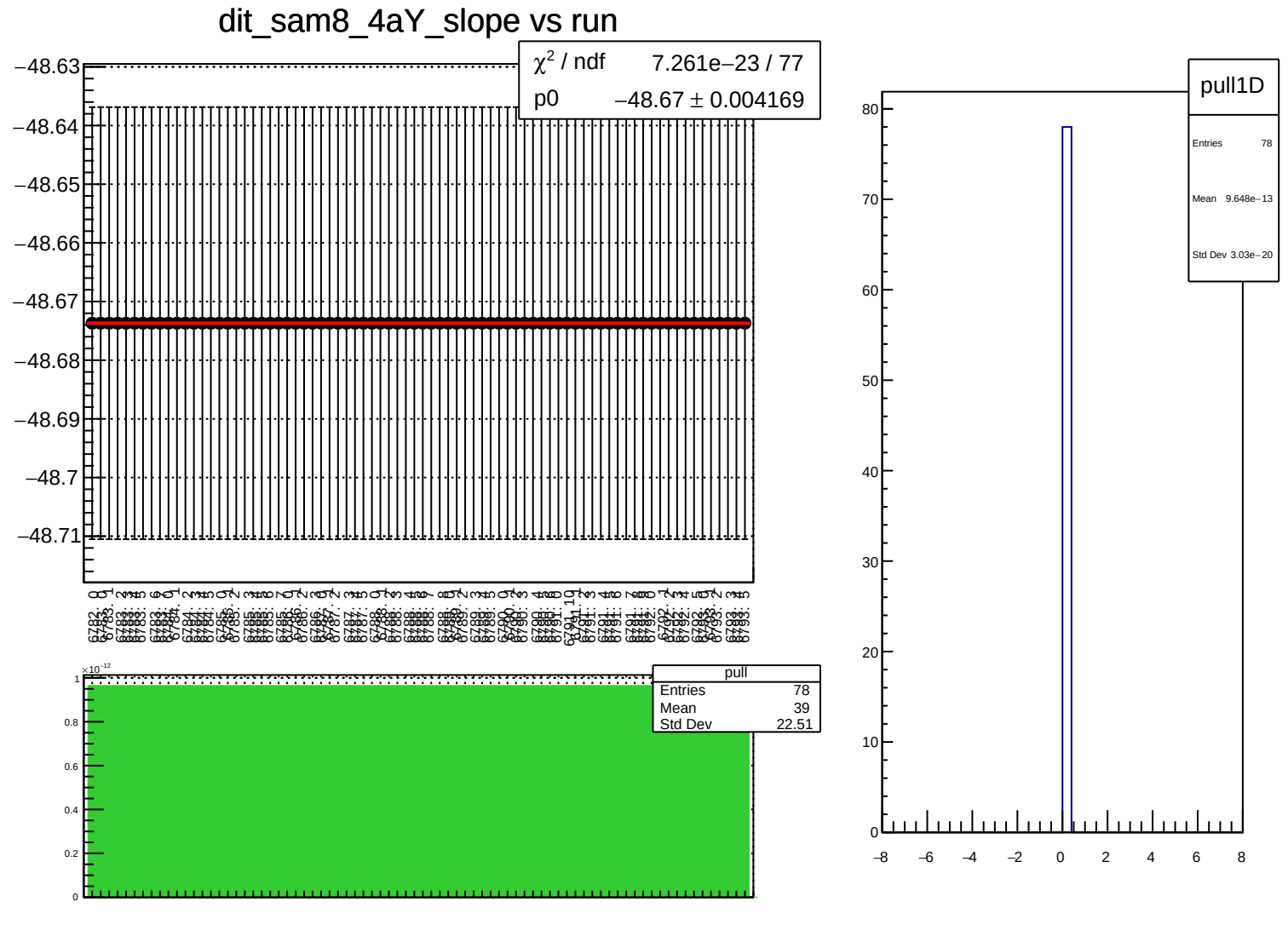
dit_sam8_4eX_slope vs run

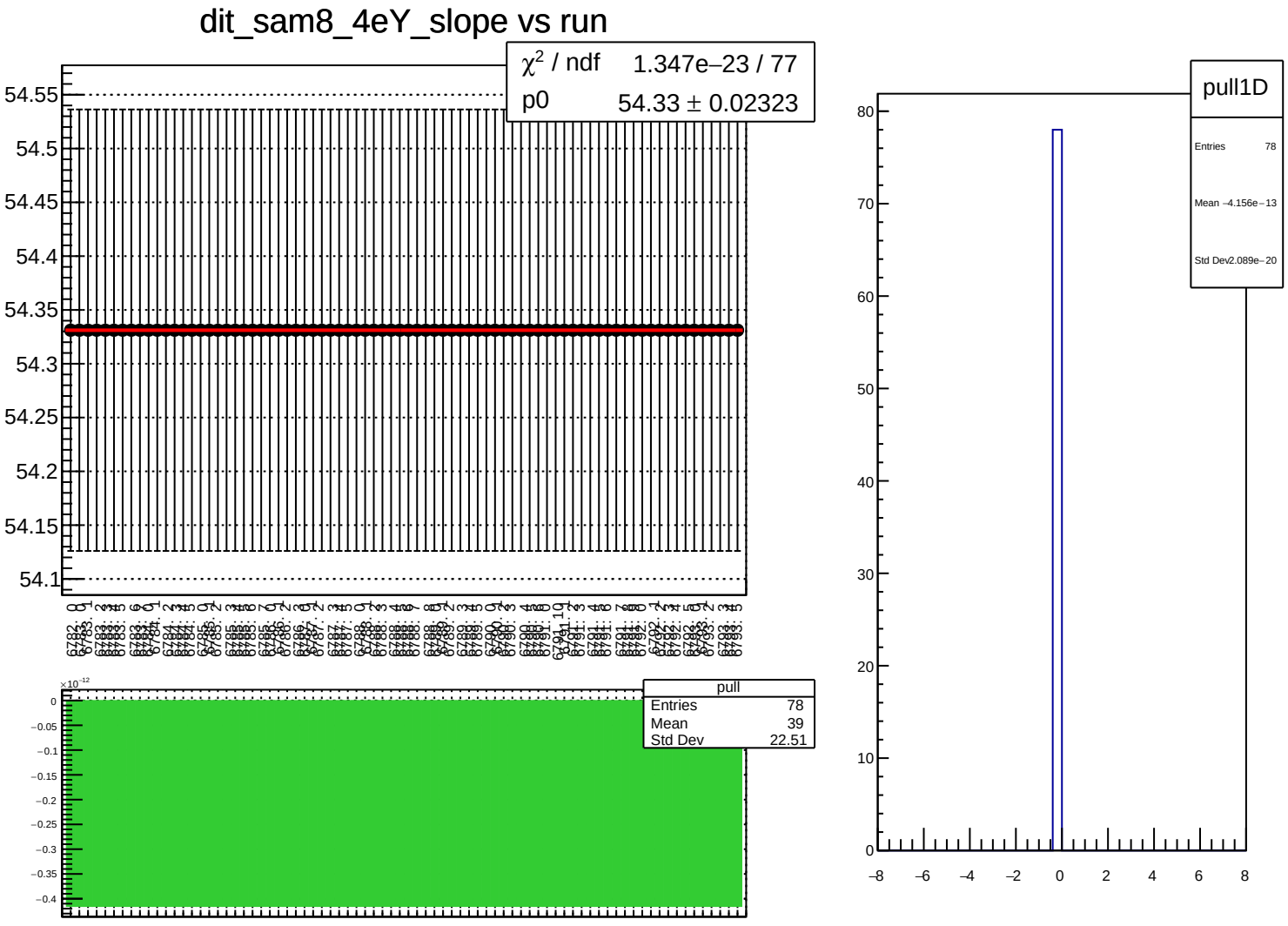




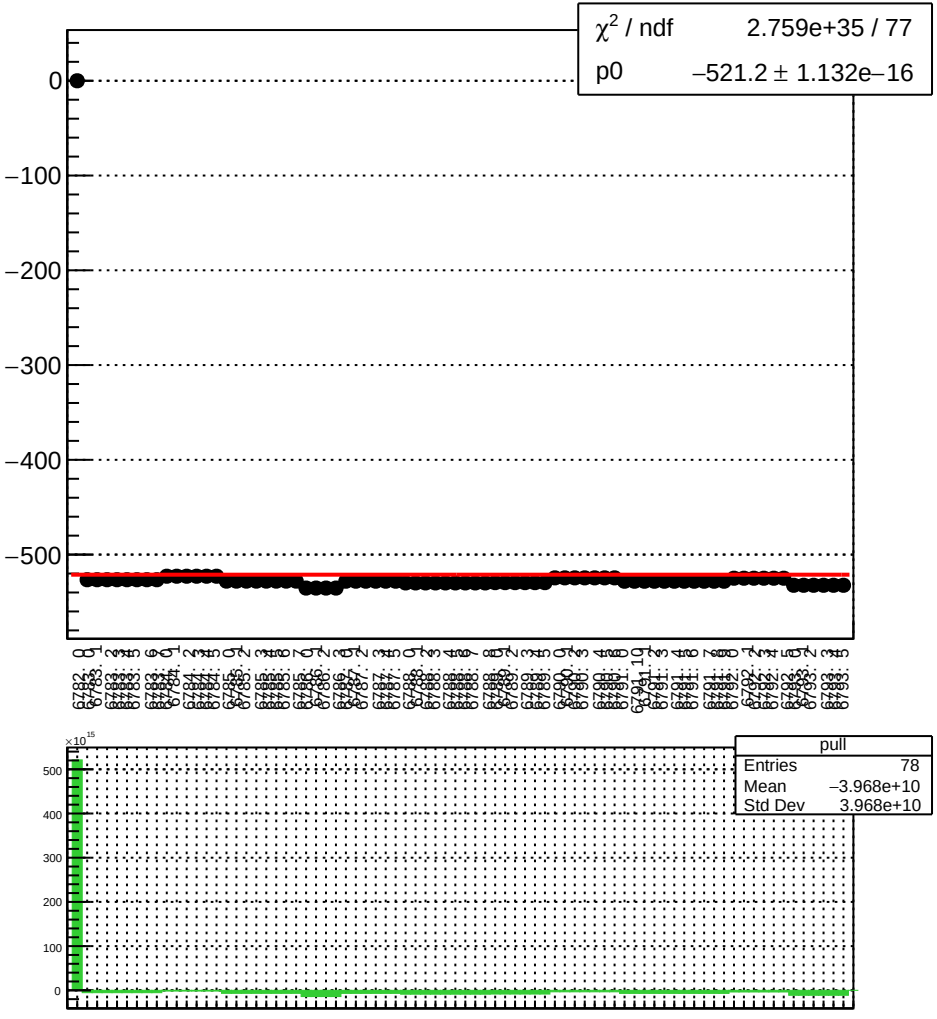

dit_sam8_11X12X_slope vs run
χ^2 / ndf 1.119e−27 / 77
p0 0.3761± 0.00166
0.39
0.385
0.38
0.375
0.37
0.365
0.36
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

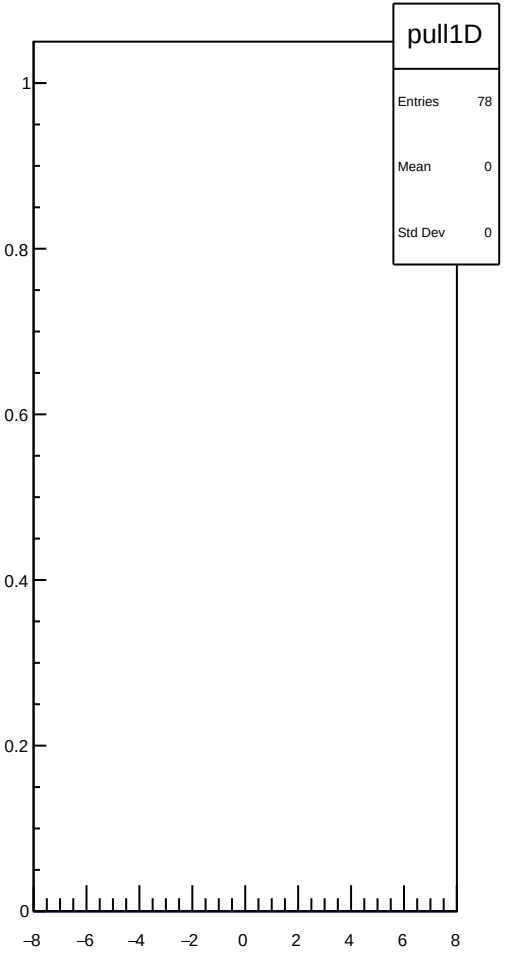

pull1D
Entries 78
Mean 3.787e−15
Std Dev 1.756e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ^2 / ndf 7.261e−23 / 77
p0 −48.67 ± 0.004169
−48.63
−48.64
−48.65
−48.66
−48.67
−48.68
−48.69
−48.7
−48.71
pull
Entries 78
Mean 39
Std Dev 22.51
×10^−12
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 78
Mean 9.648e−13
Std Dev 3.03e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

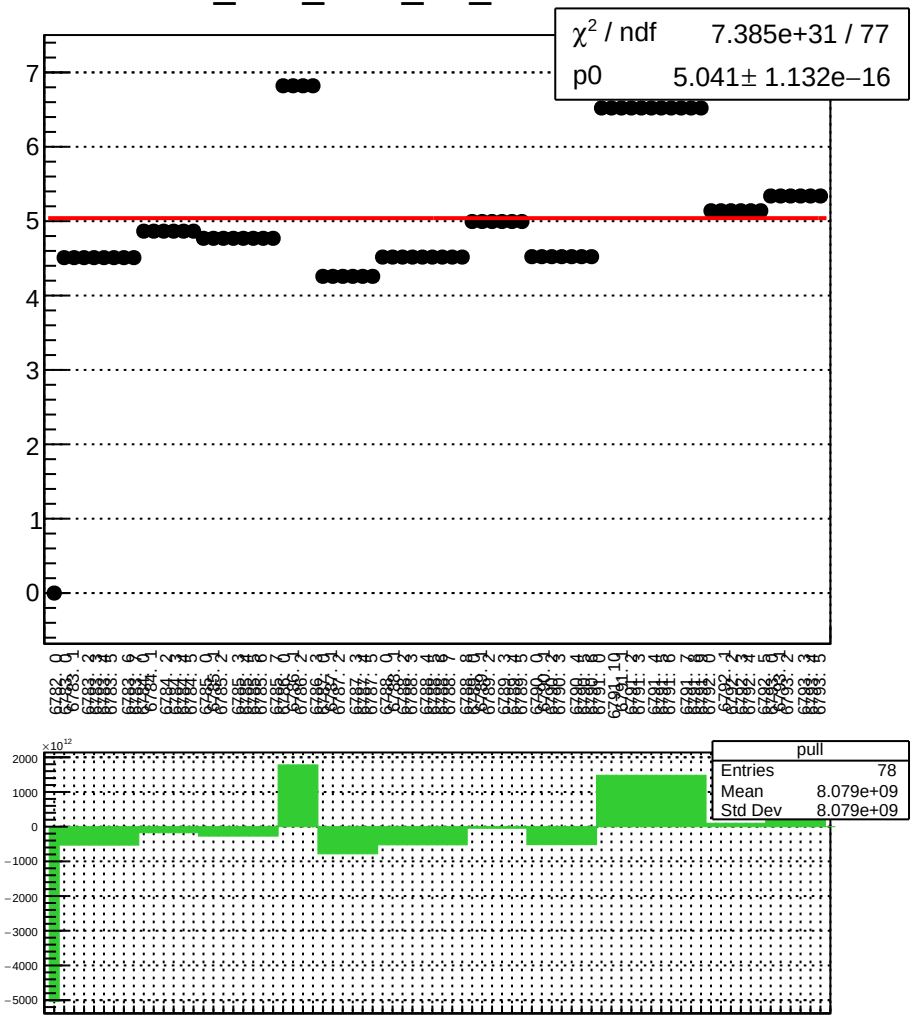

dit_sam8_4eY_slope vs run
χ² / ndf 1.347e−23 / 77
p0 54.33 ± 0.02323
54.55
54.5
54.45
54.4
54.35
54.3
54.25
54.2
54.15
54.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 78
Mean −4.156e−13
Std Dev 2.089e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

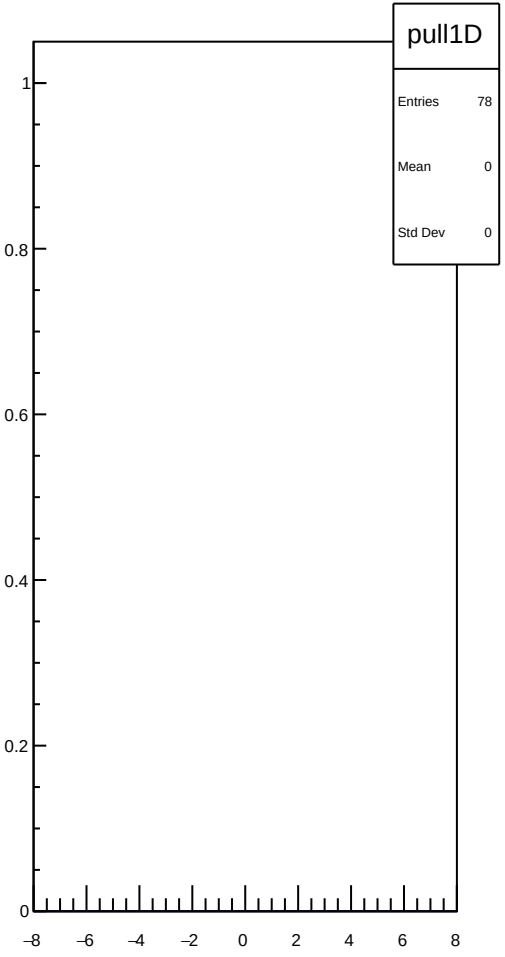
dit_4aX_coil1_mean vs run



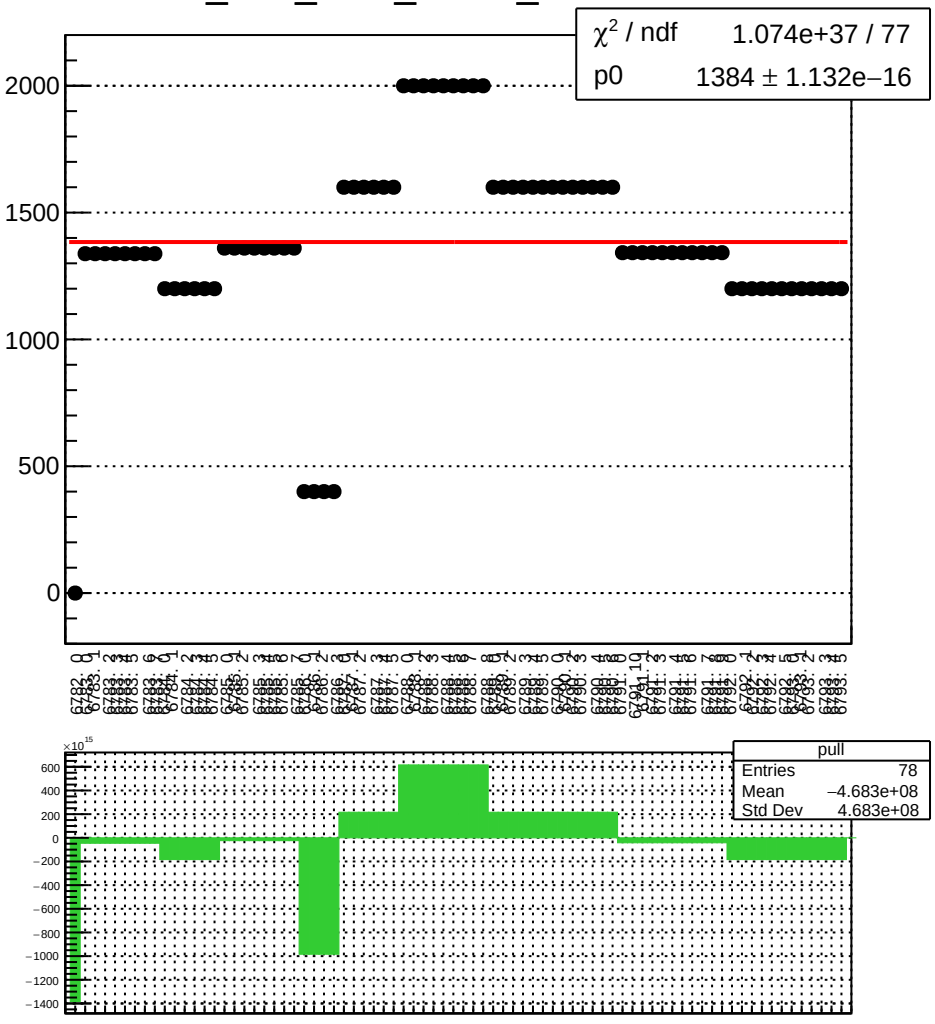


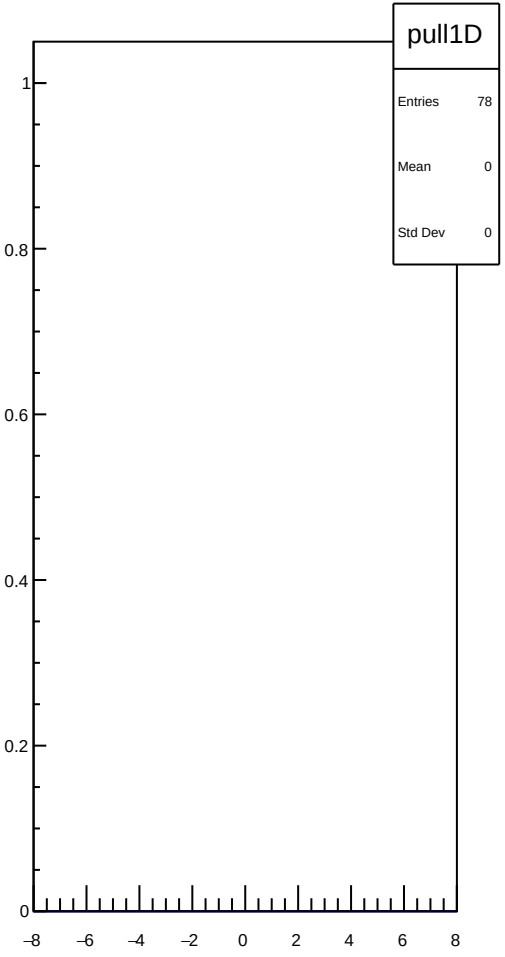
dit_4aX_coil1_err_mean vs run



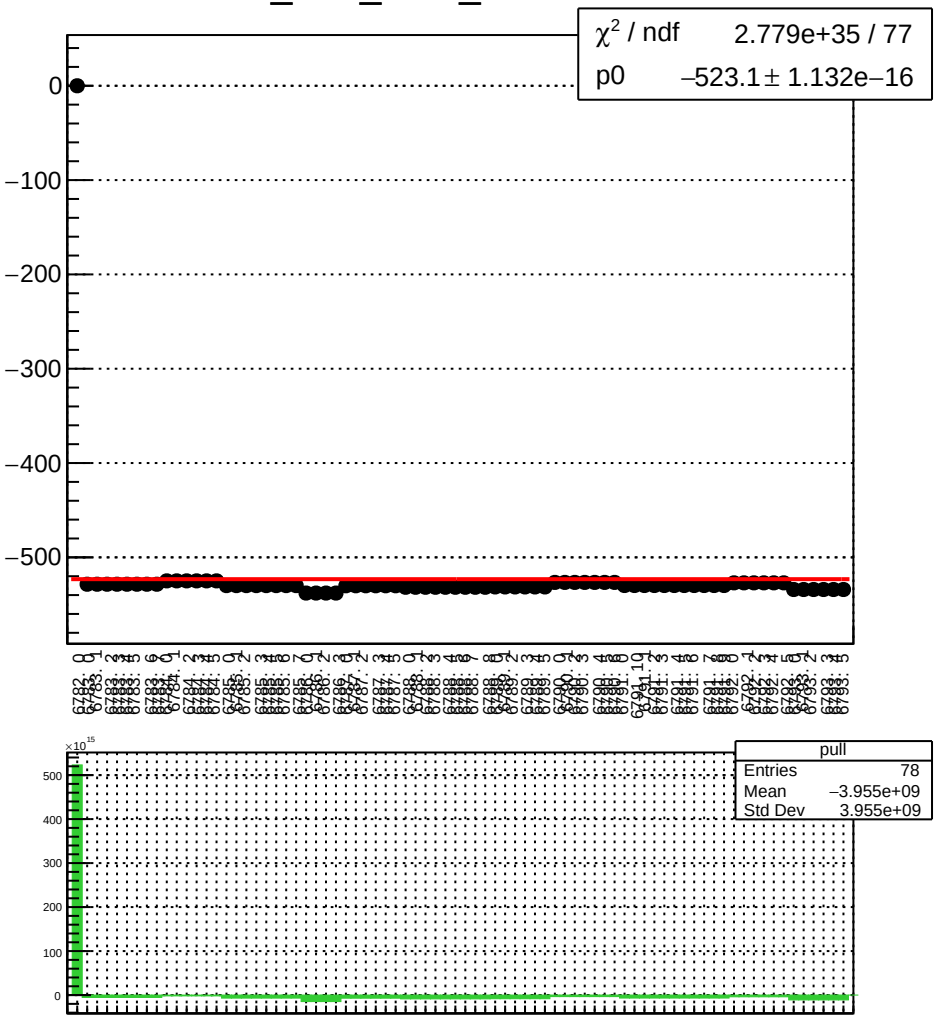


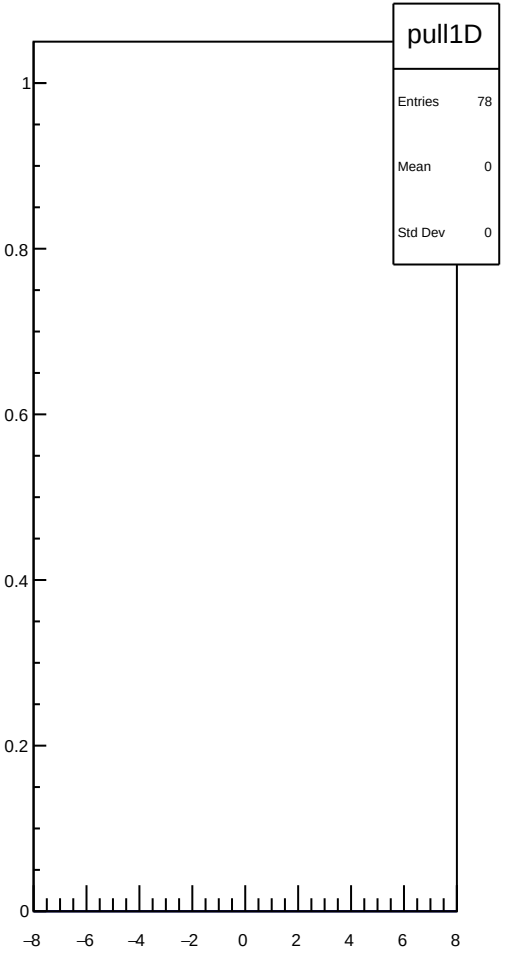
dit_4aX_coil1_Ndata_mean vs run



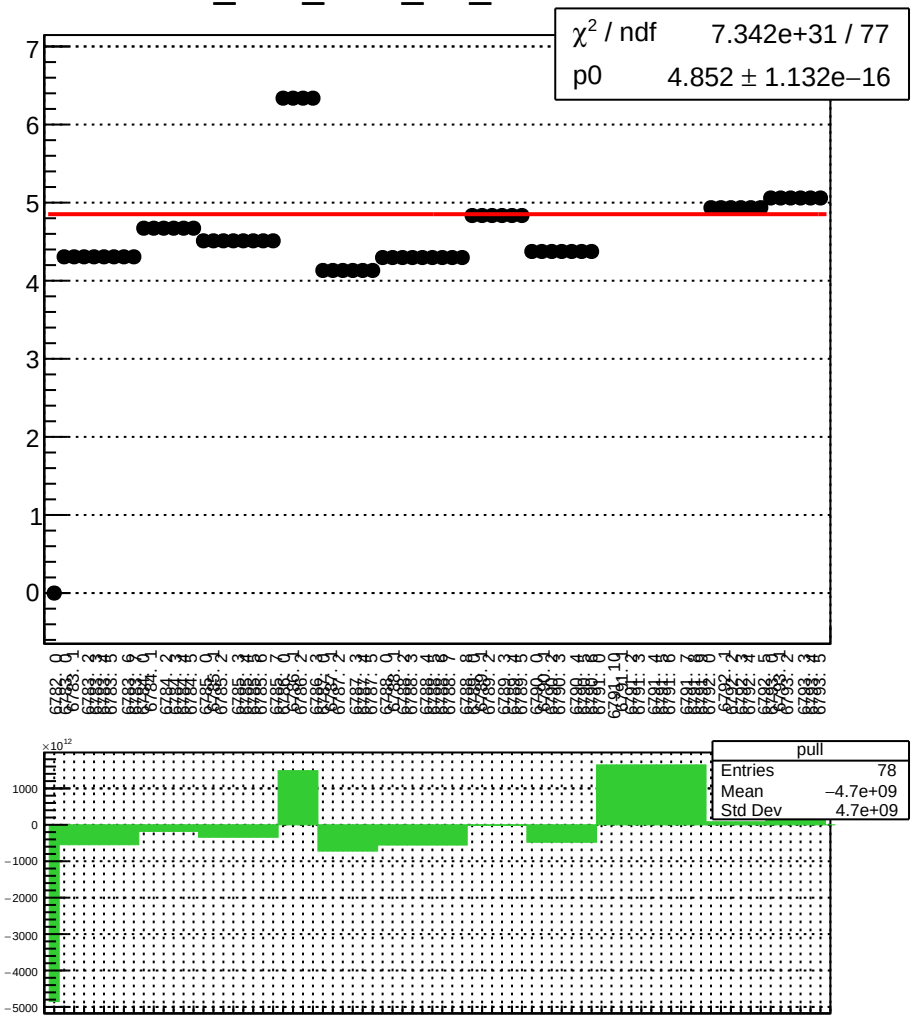


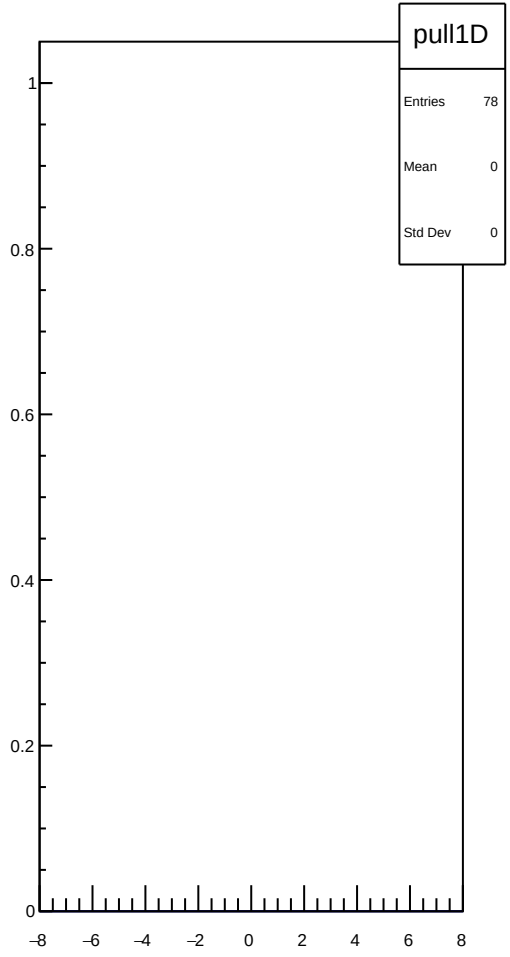
dit_4eX_coil1_mean vs run



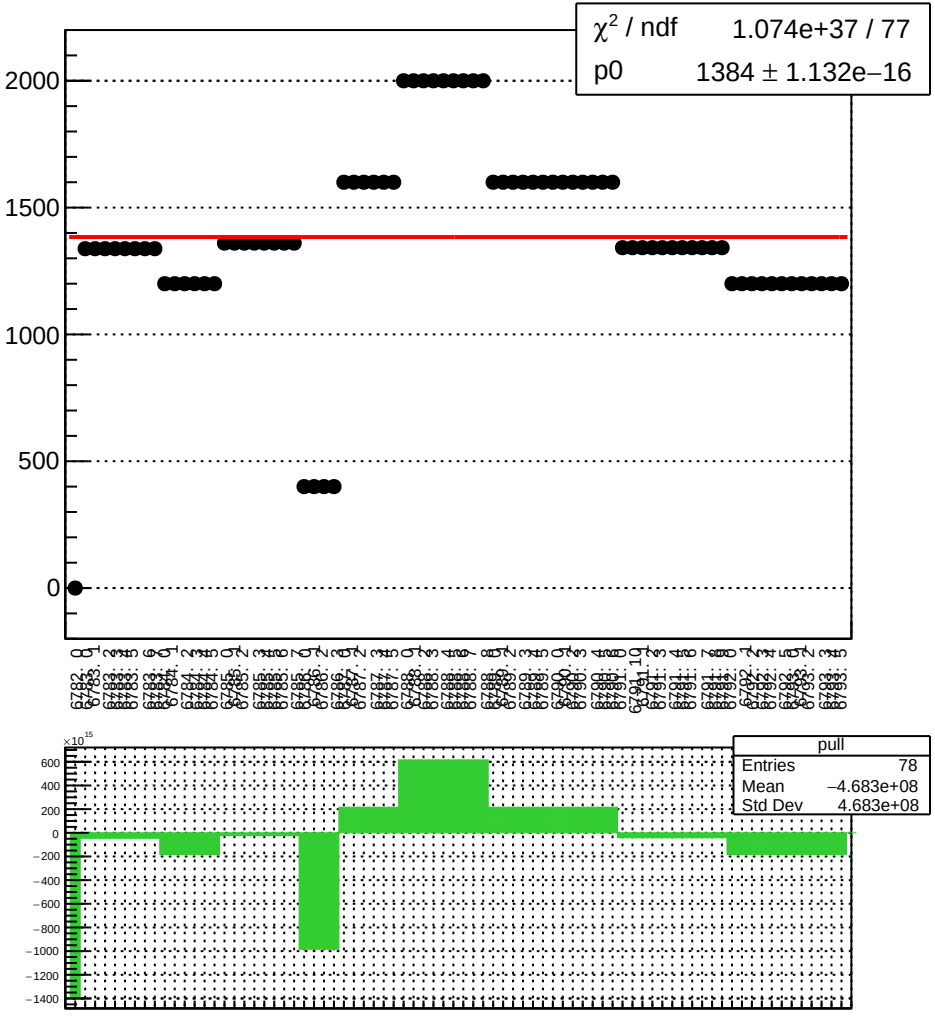


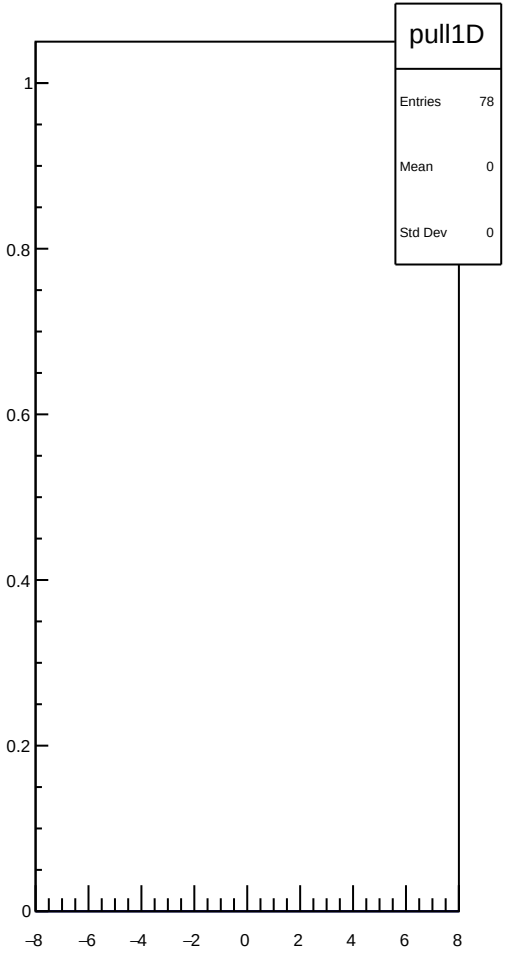
dit_4eX_coil1_err_mean vs run



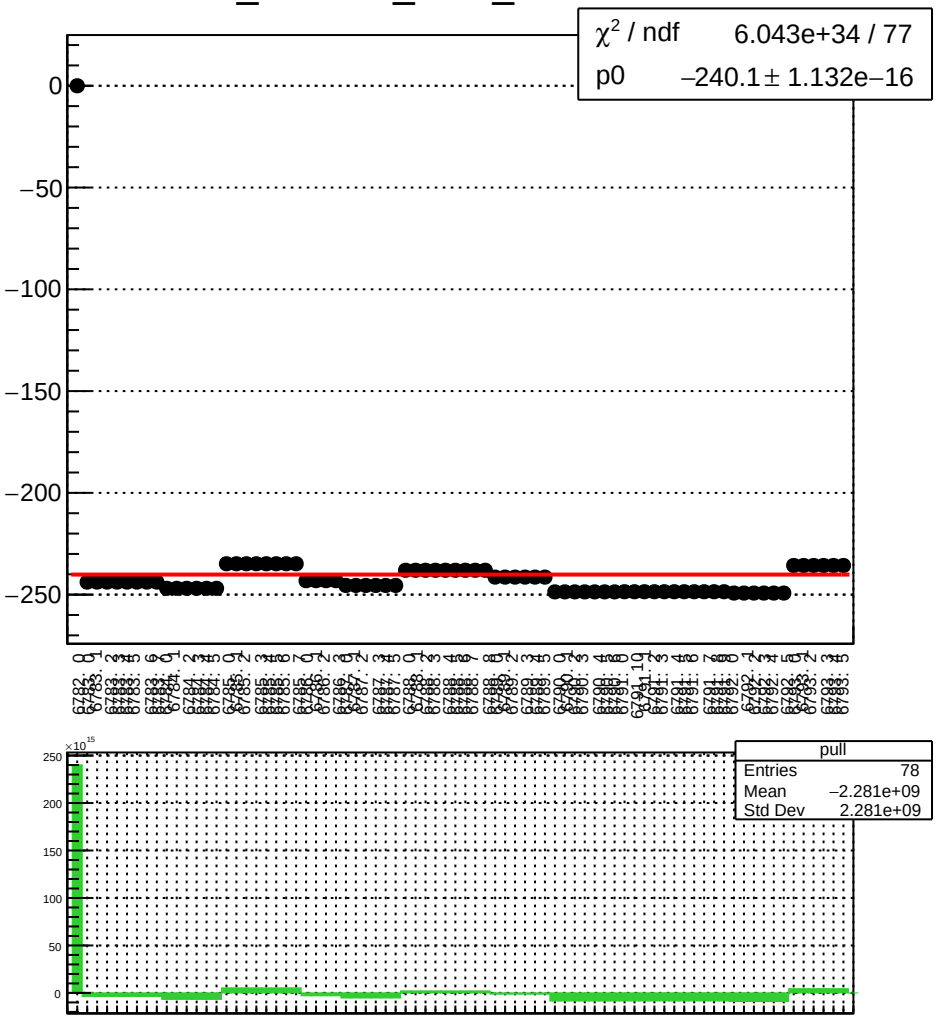


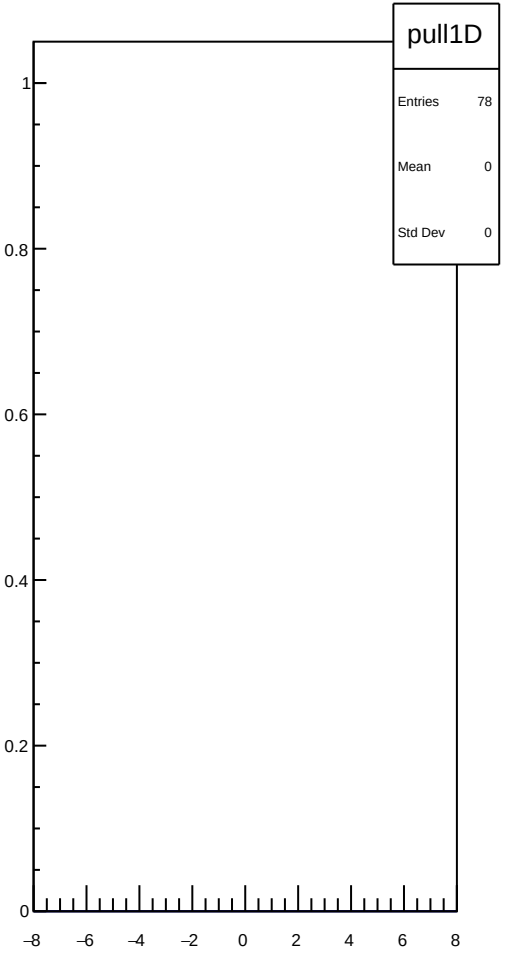
dit_4eX_coil1_Ndata_mean vs run



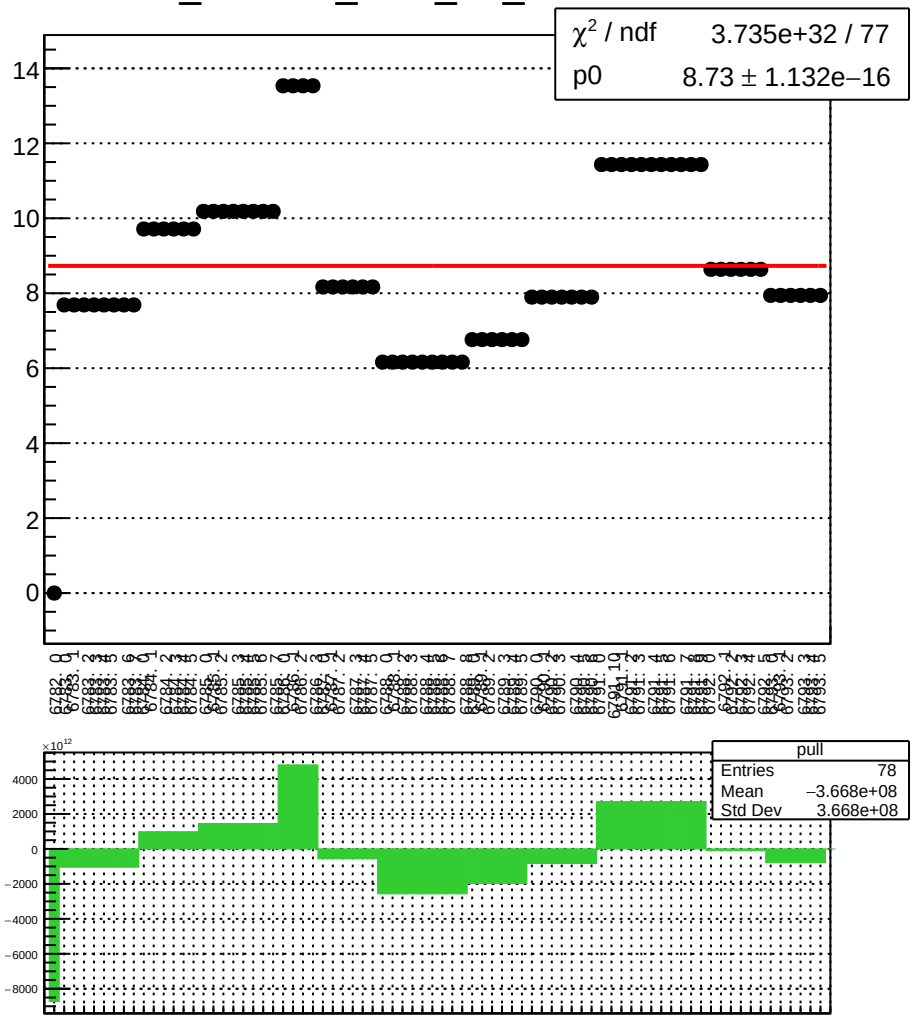


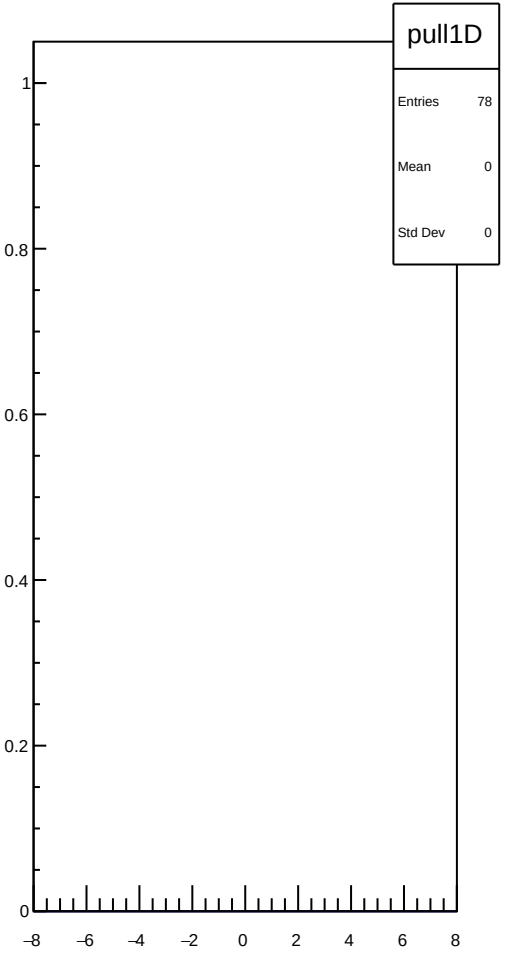
dit_11X12X_coil1_mean vs run



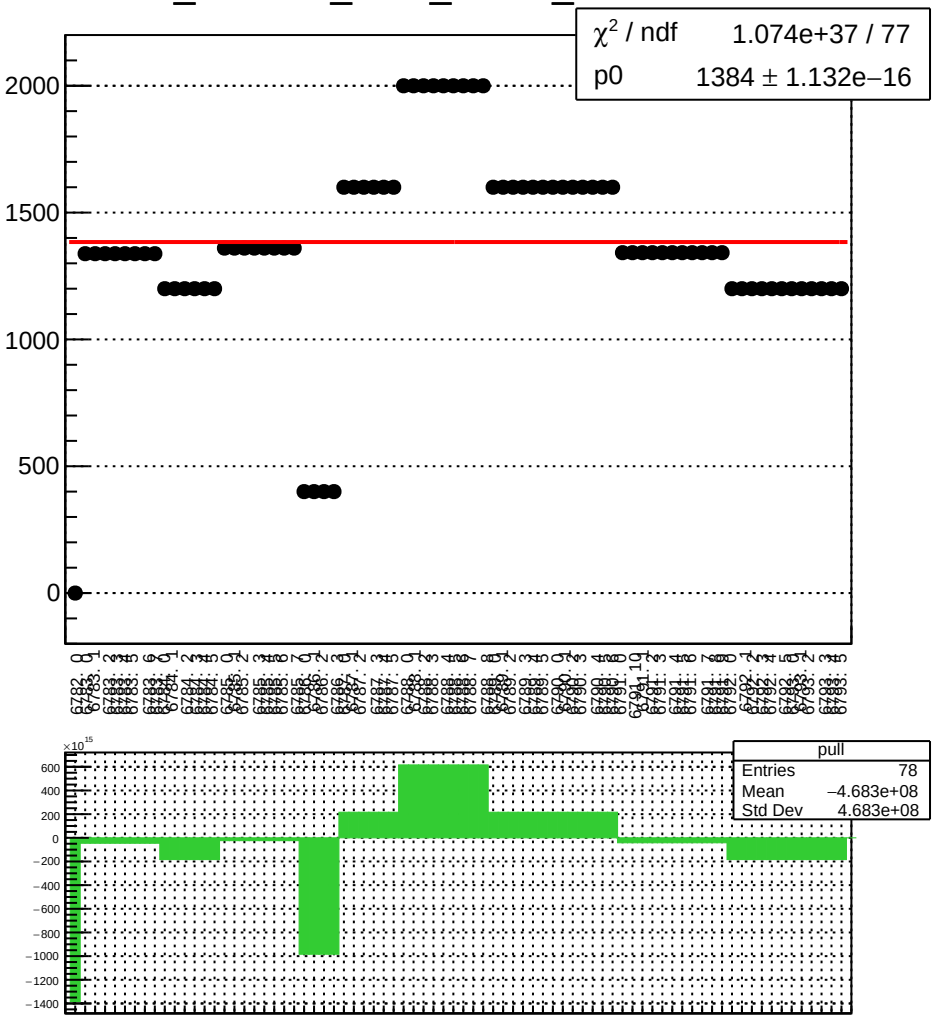


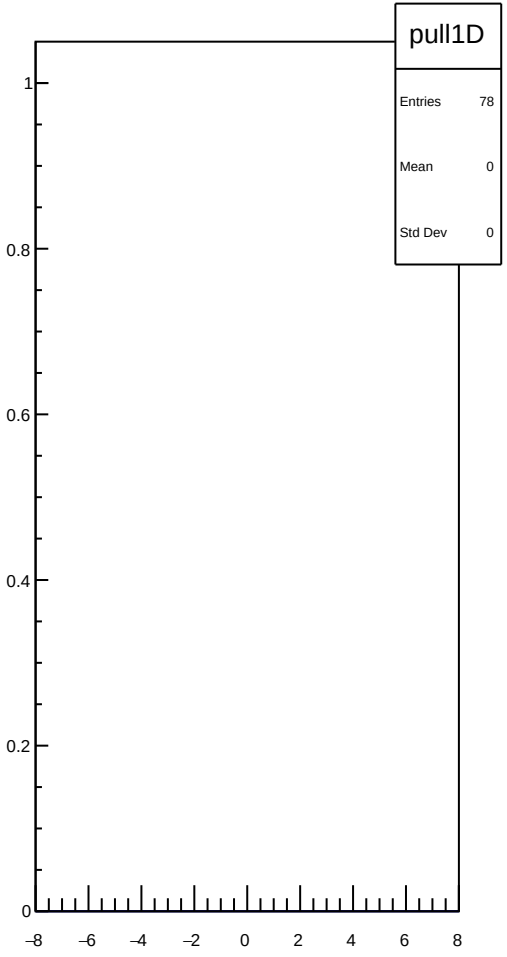
dit_11X12X_coil1_err_mean vs run

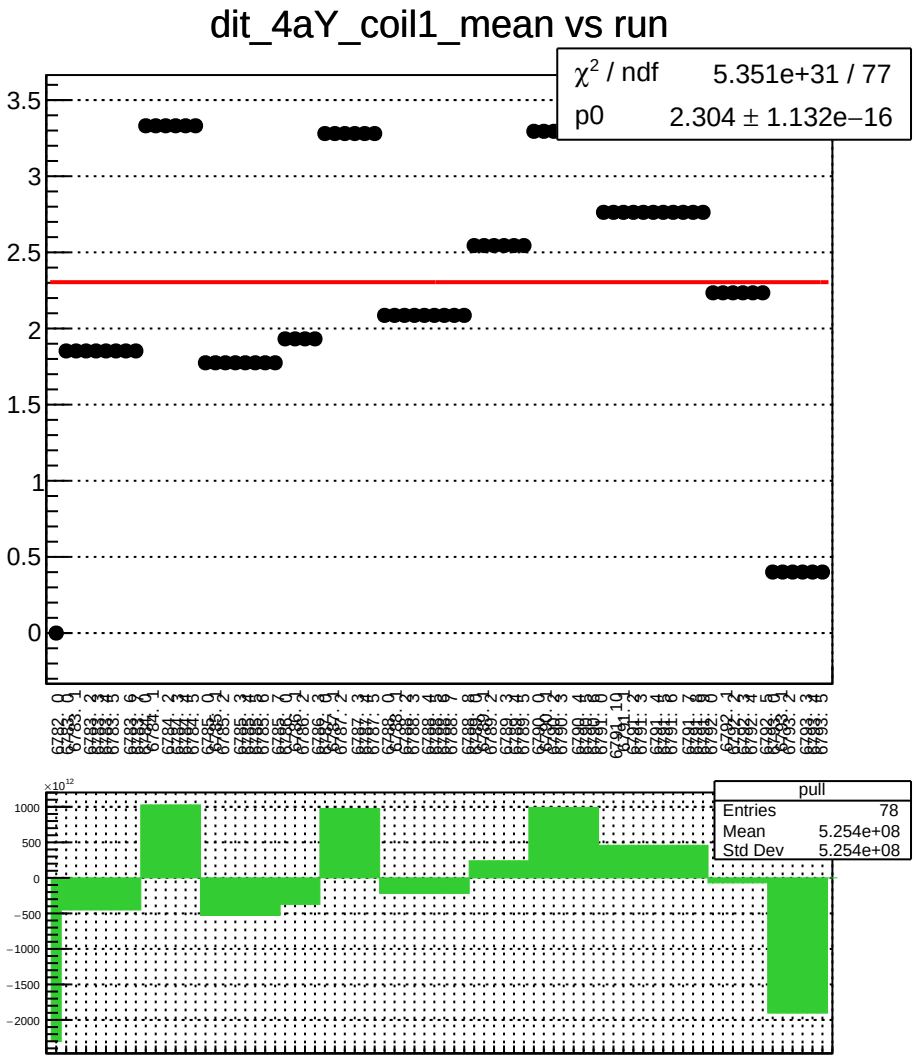


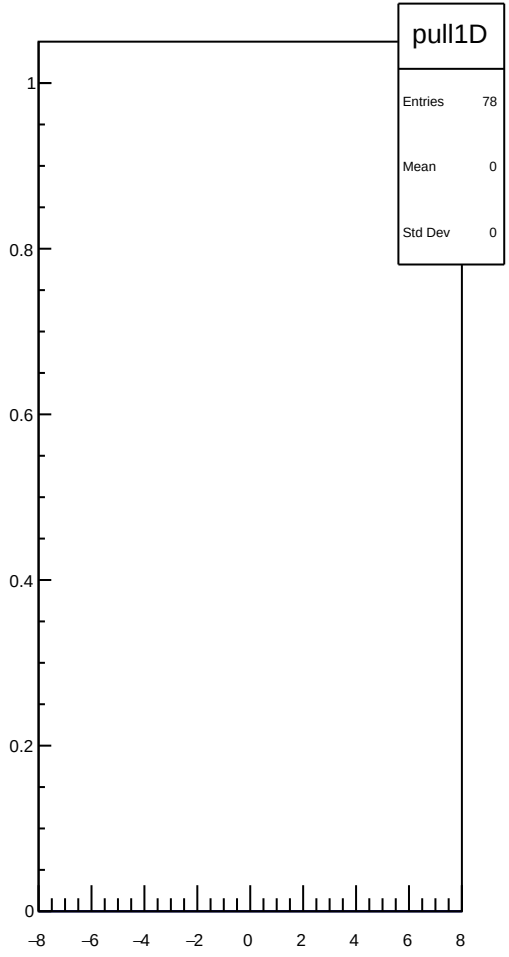


dit_11X12X_coil1_Ndata_mean vs run

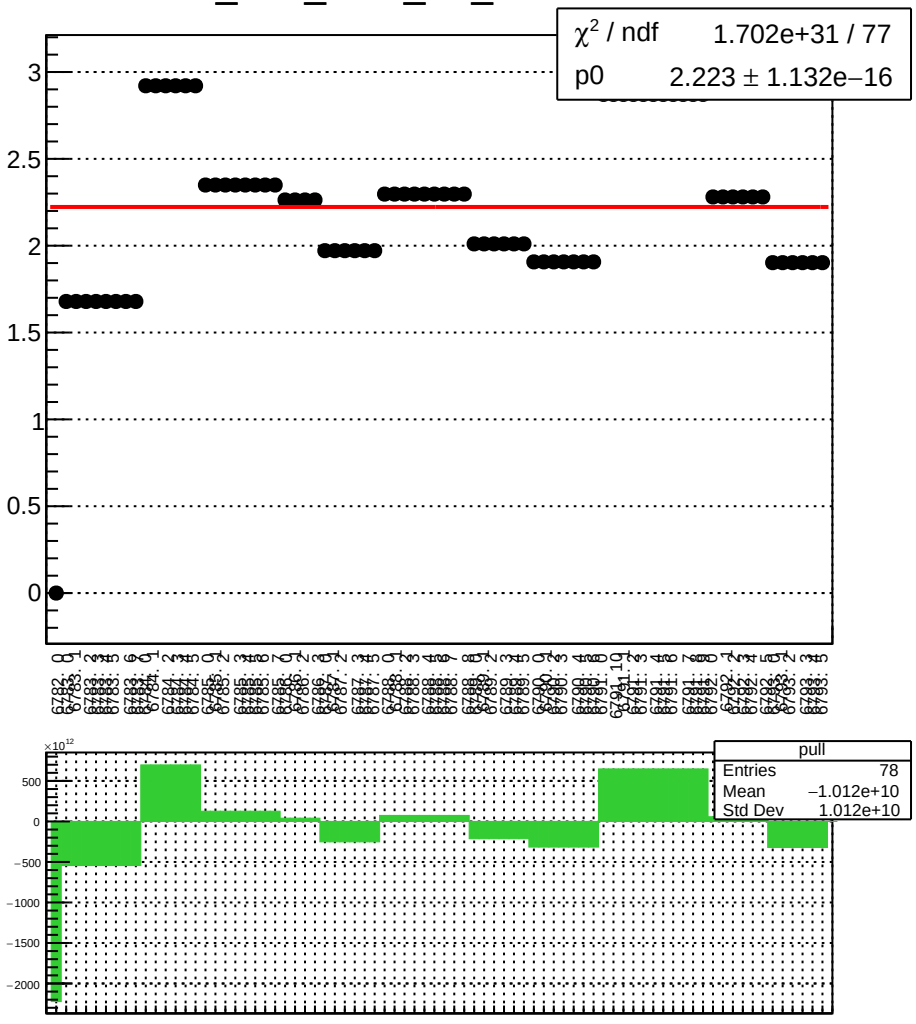


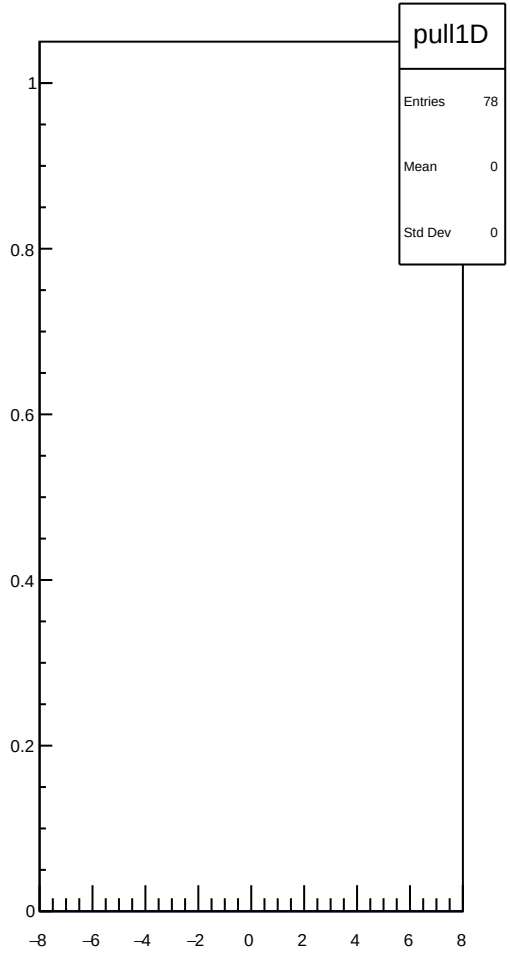


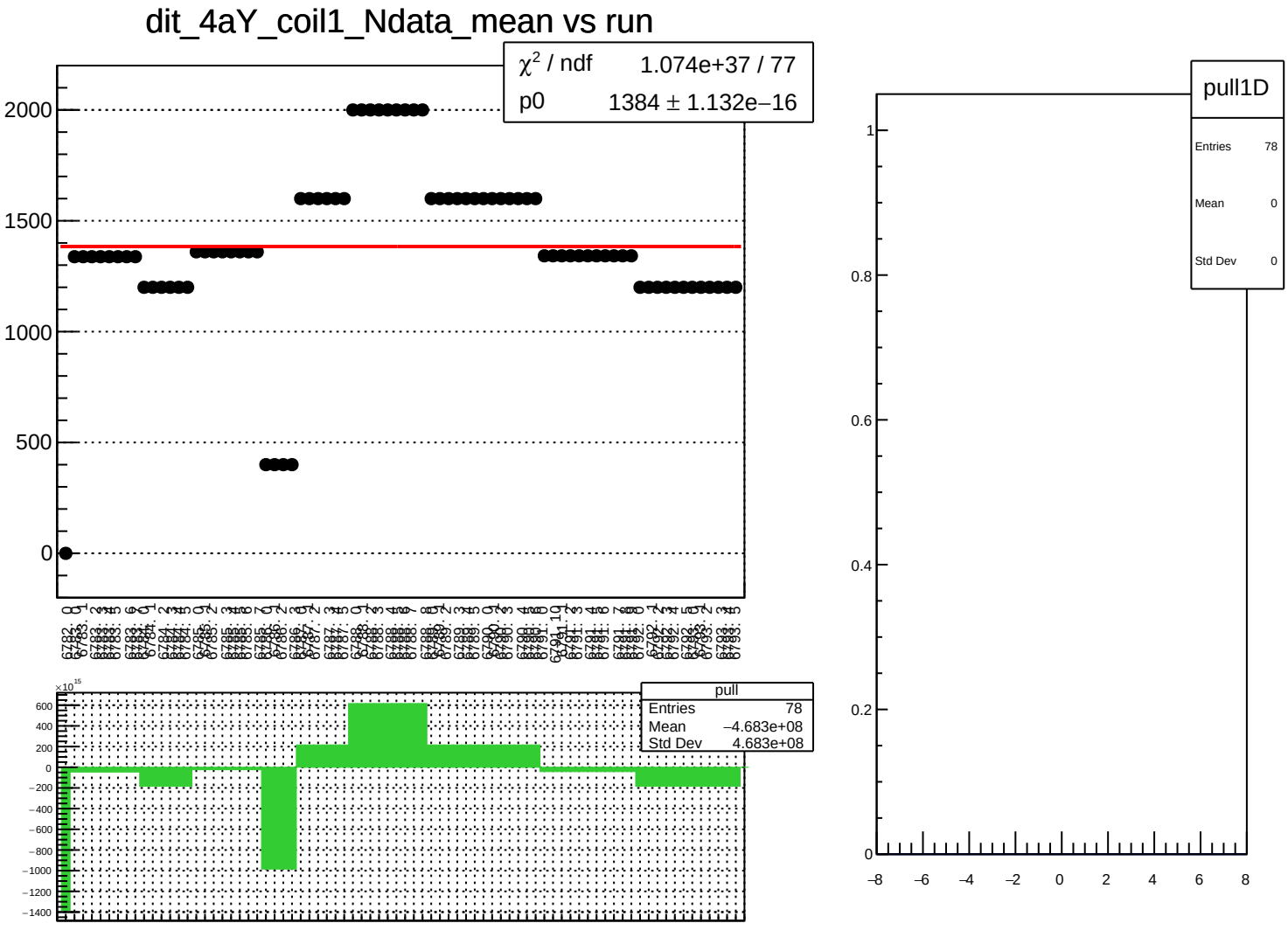

dit_4aY_coil1_mean vs run
χ^2 / ndf 5.351e+31 / 77
p0 2.304 ± 1.132e−16
pull
Entries 78
Mean 5.254e+08
Std Dev 5.254e+08

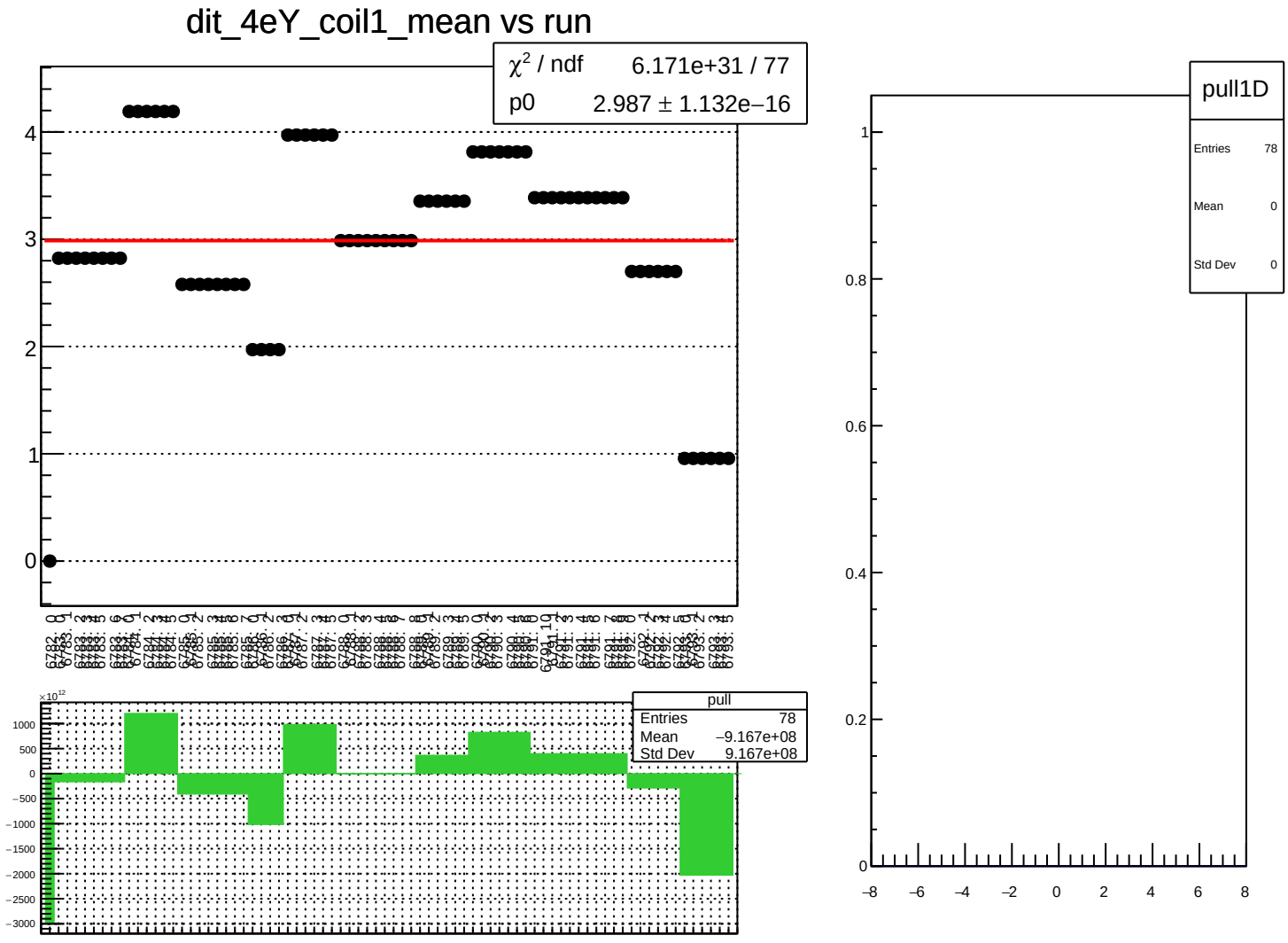

pull1D
Entries 78
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run

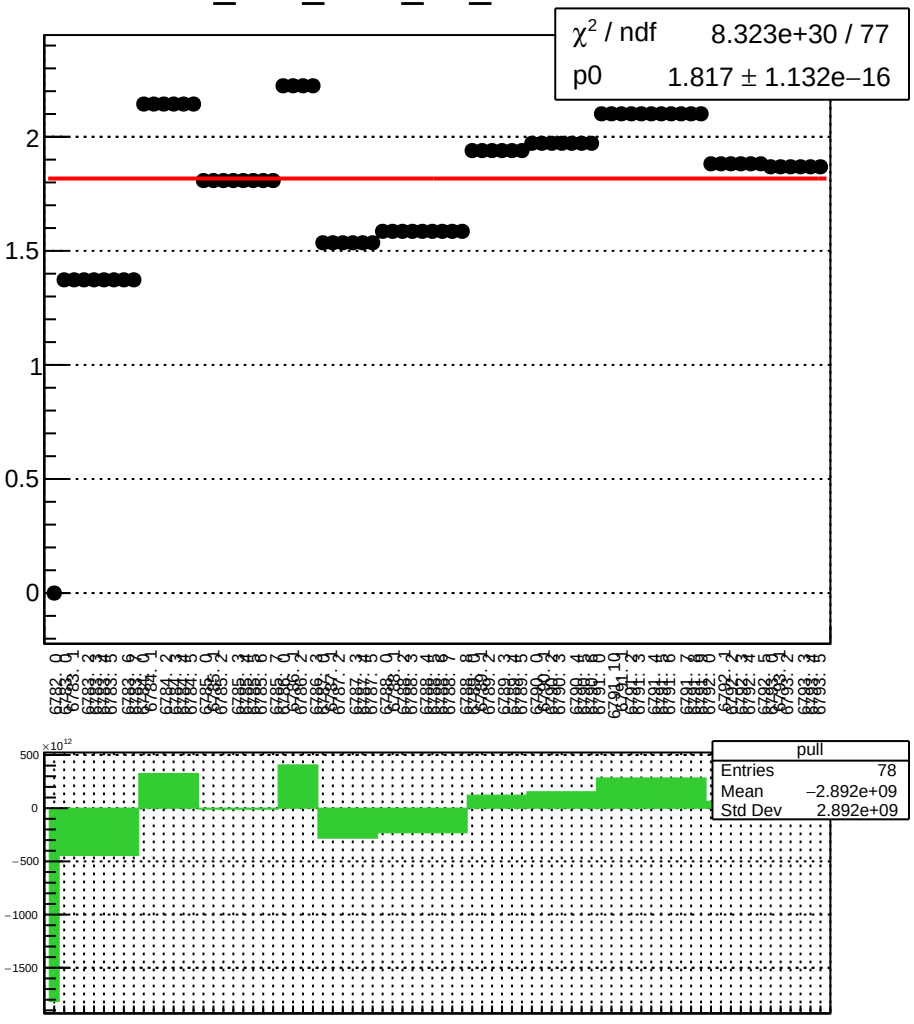


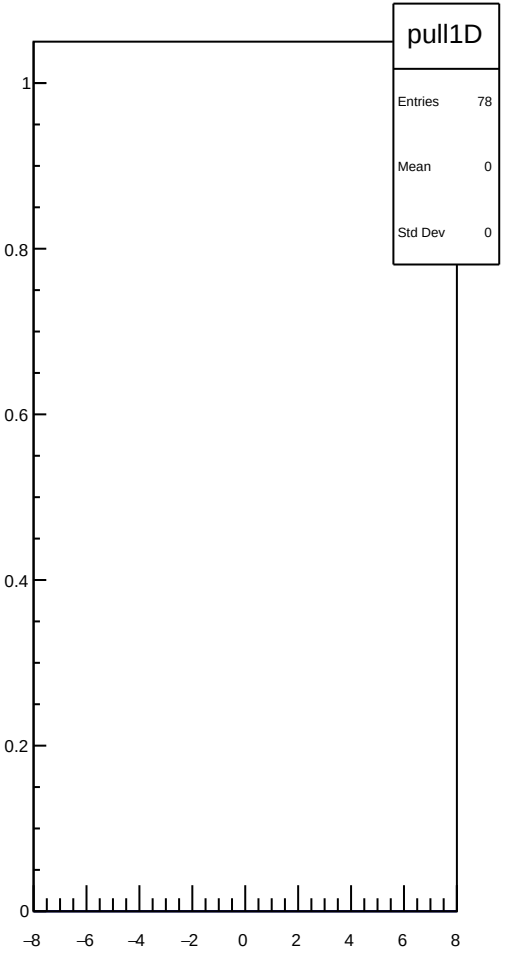



dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

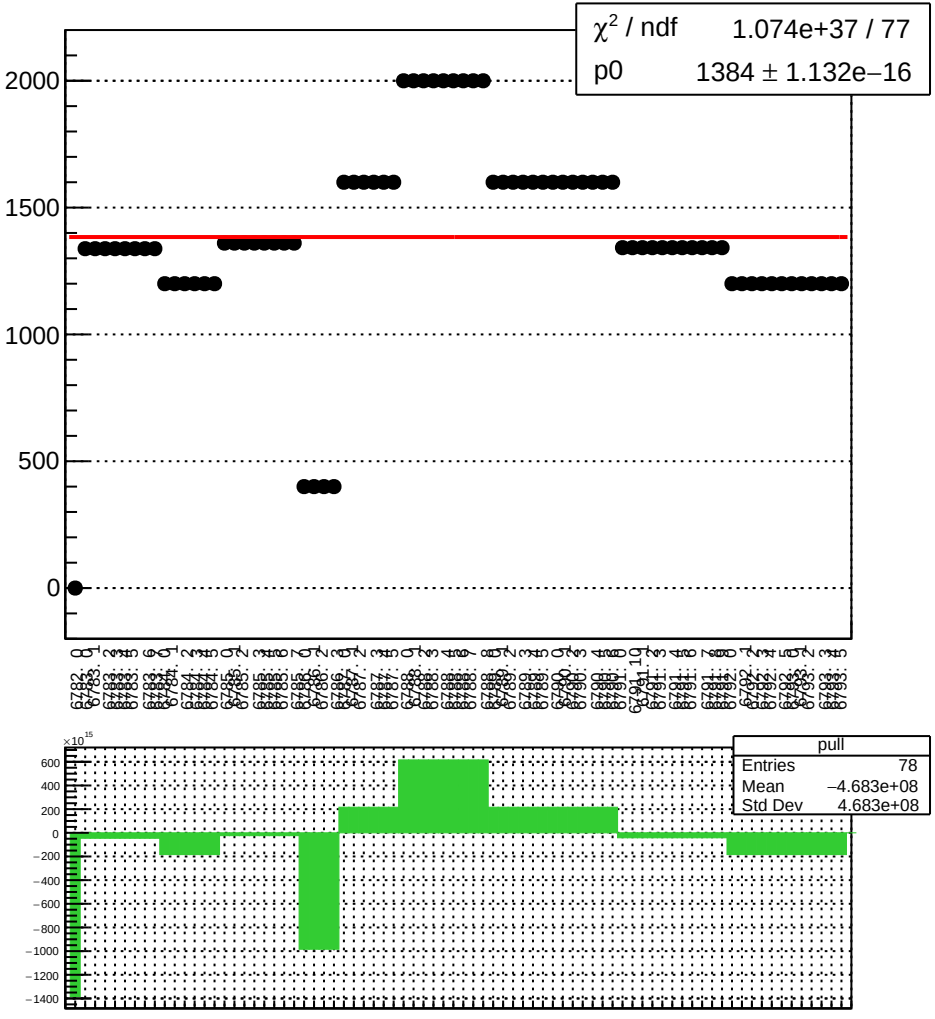

dit_4eY_coil1_mean vs run
χ^2 / ndf 6.171e+31 / 77
p0 2.987 ± 1.132e−16
pull
Entries 78
Mean −9.167e+08
Std Dev 9.167e+08
pull1D
Entries 78
Mean 0
Std Dev 0

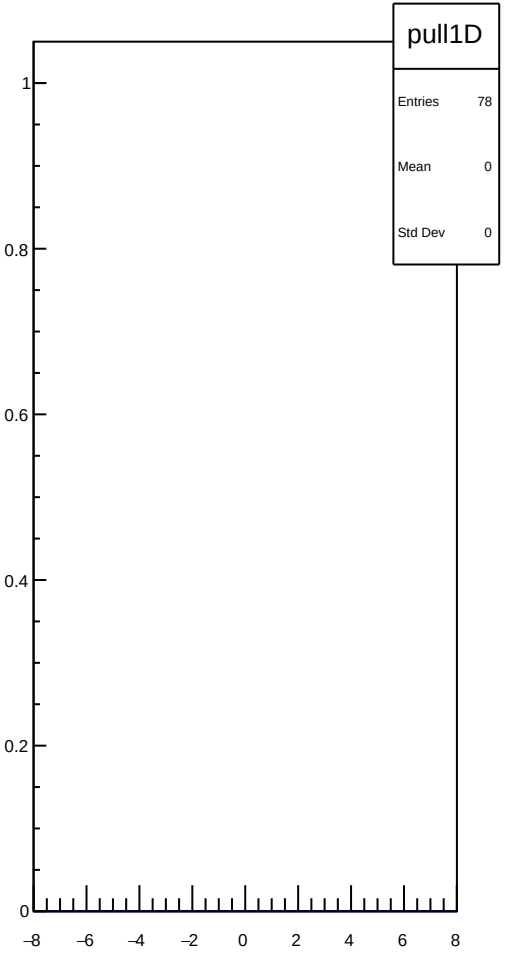
dit_4eY_coil1_err_mean vs run

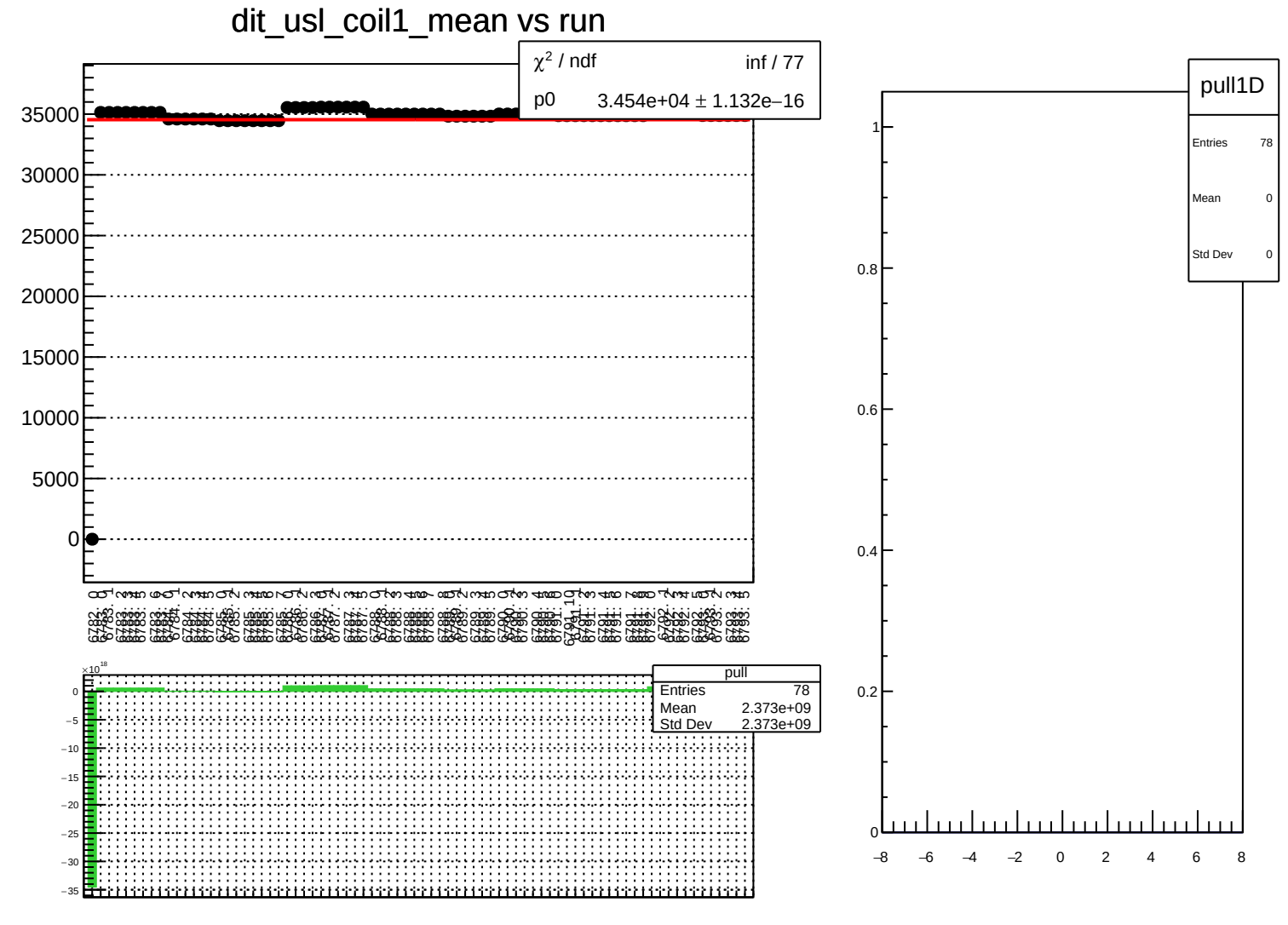


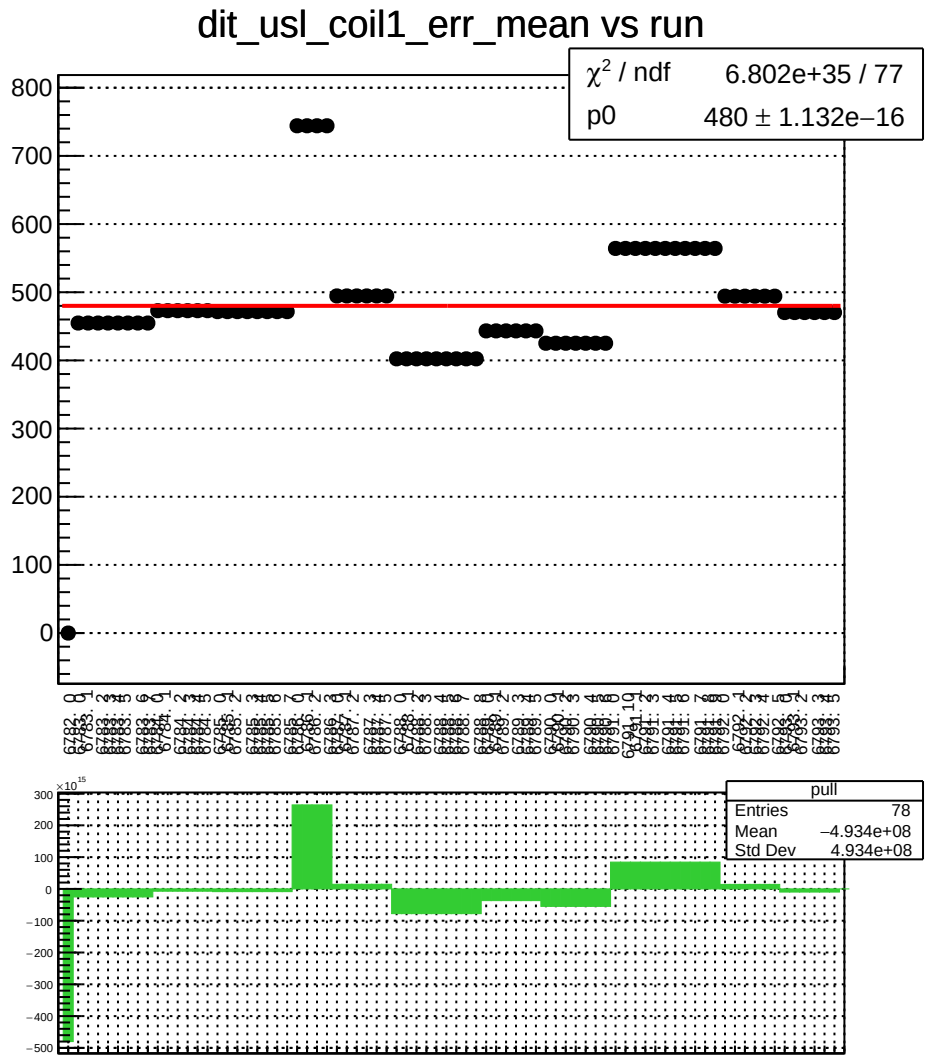


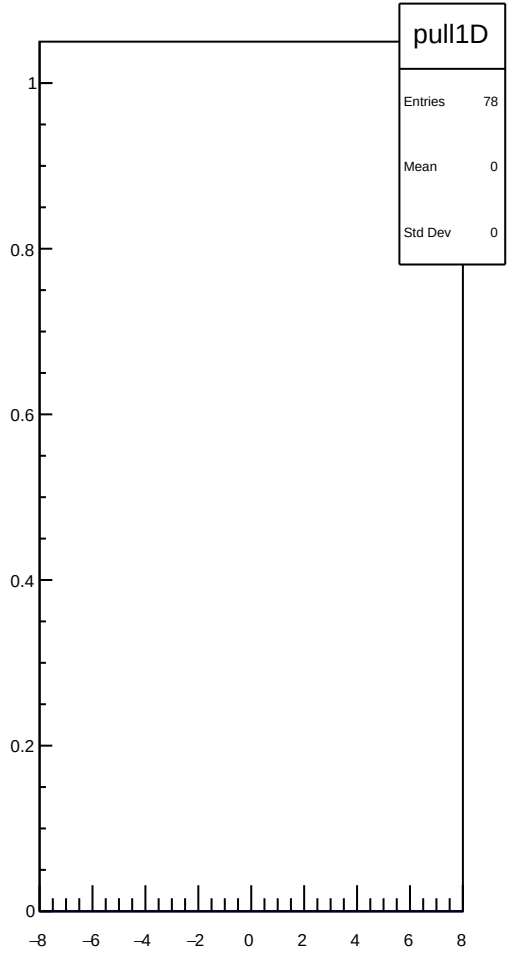
dit_4eY_coil1_Ndata_mean vs run

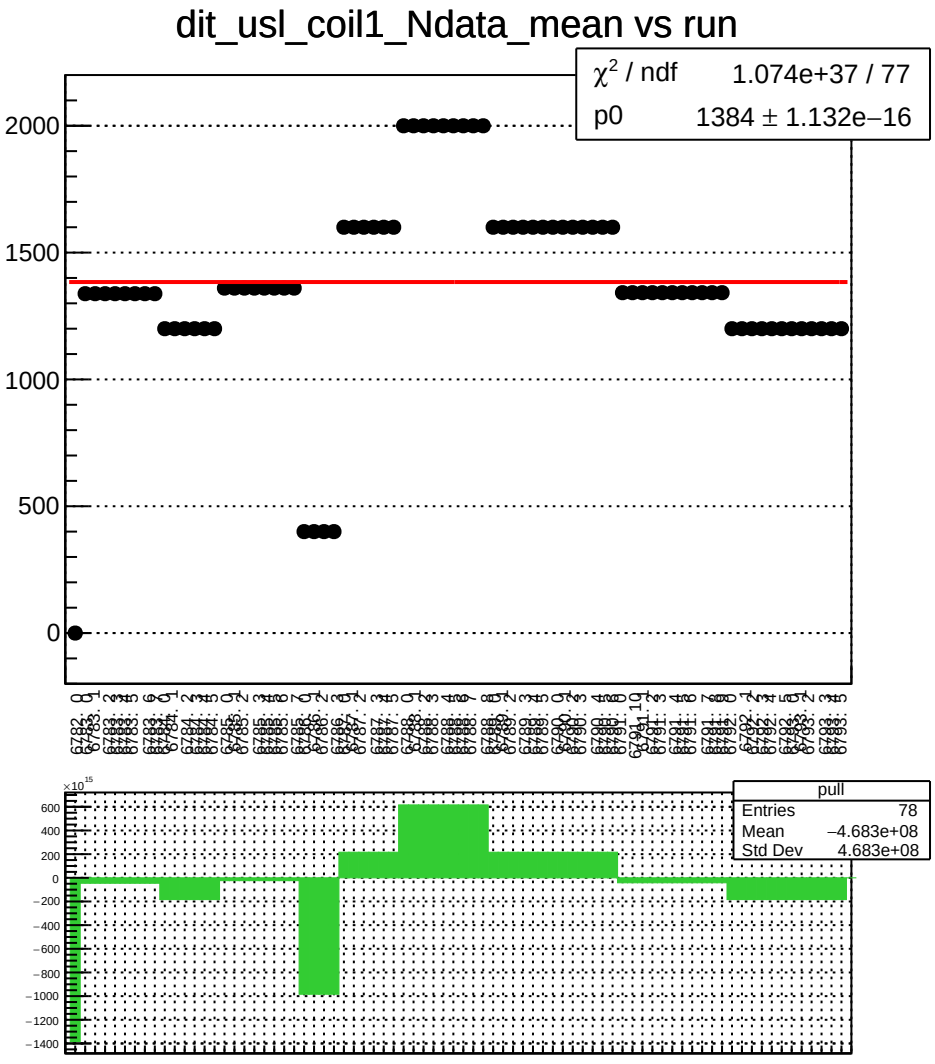


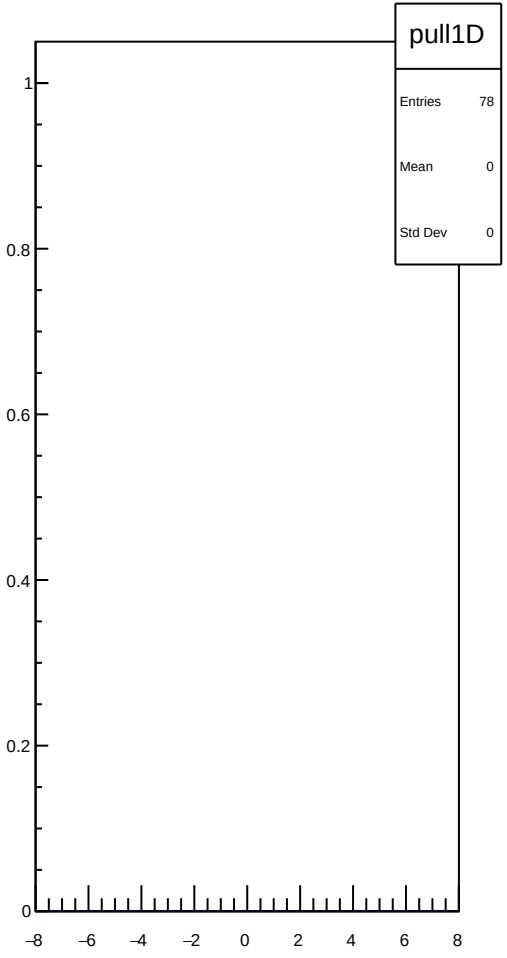



dit_usl_coil1_mean vs run
χ² / ndf inf / 77
p0 3.454e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.373e+09
Std Dev 2.373e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

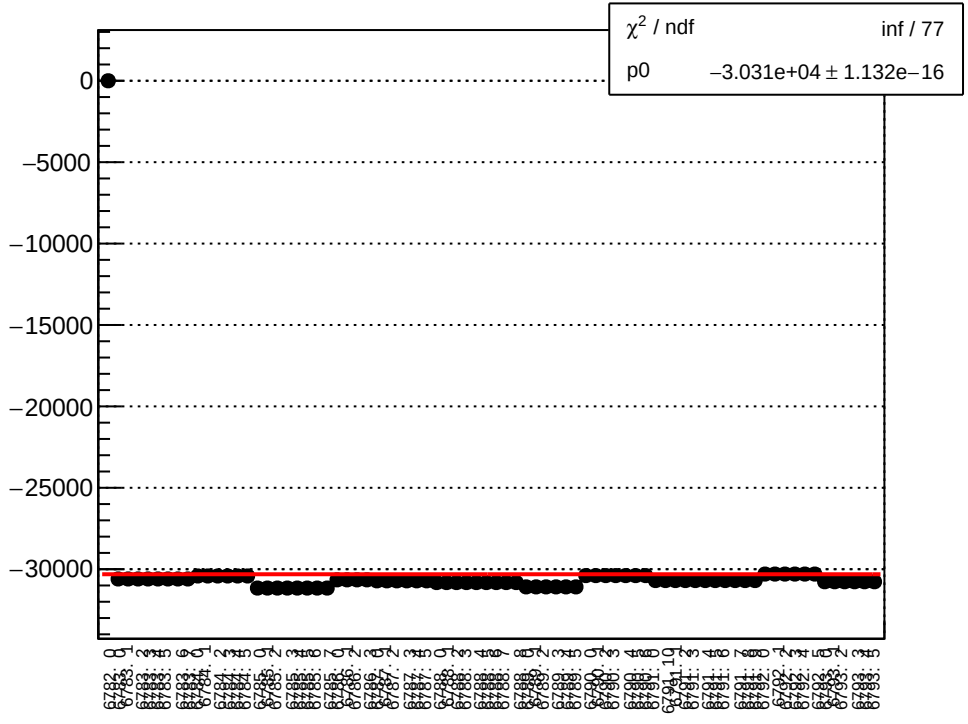

dit_usl_coil1_err_mean vs run
χ^2 / ndf 6.802e+35 / 77
p0 480 ± 1.132e−16
pull
Entries 78
Mean −4.934e+08
Std Dev 4.934e+08

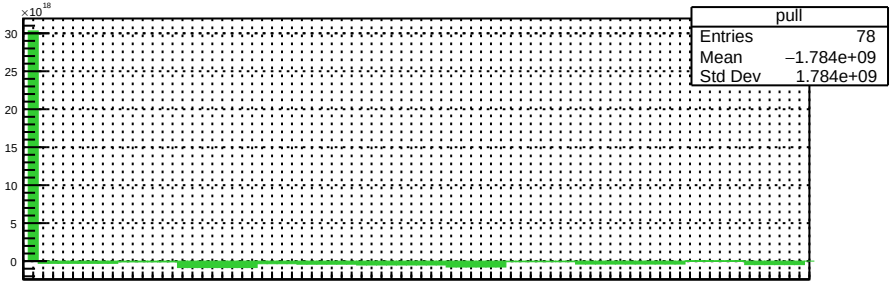

pull1D
Entries 78
Mean 0
Std Dev 0

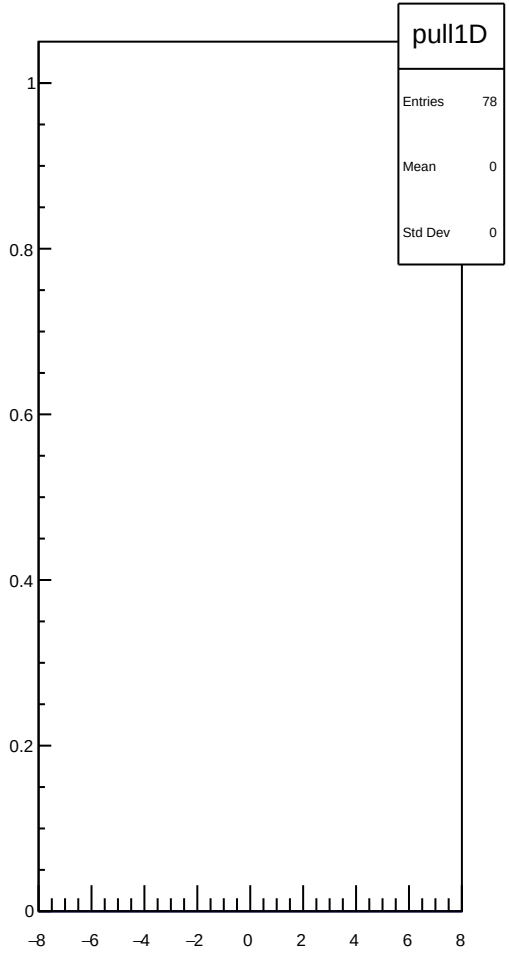

dit_usl_coil1_Ndata_mean vs run
χ^2 / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

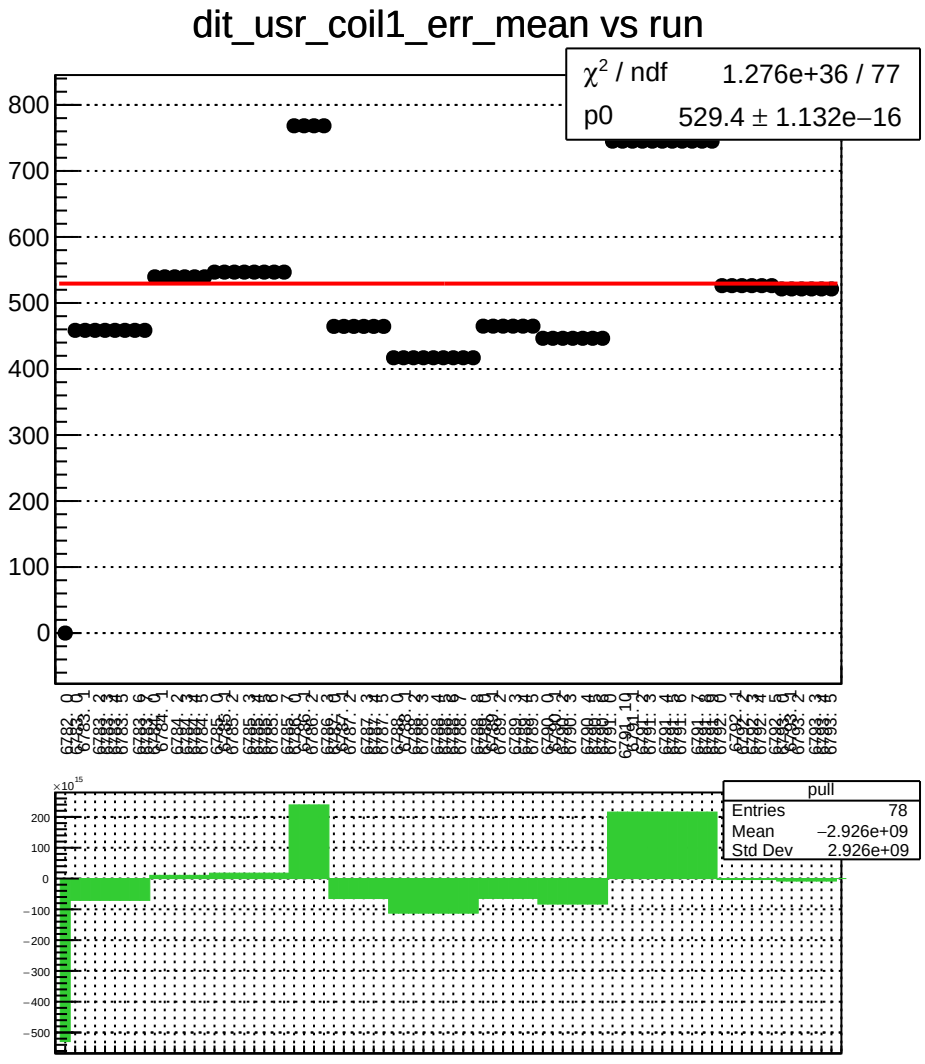

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

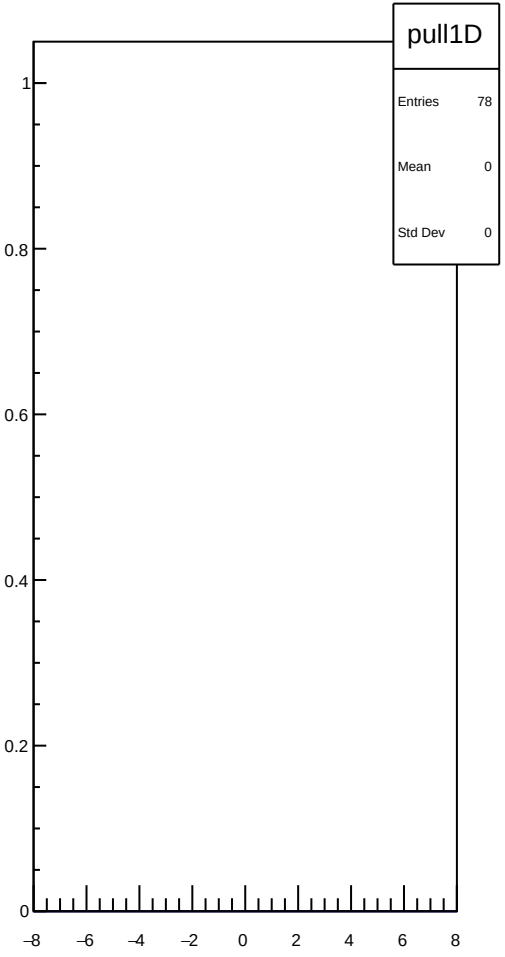
dit_usr_coil1_mean vs run

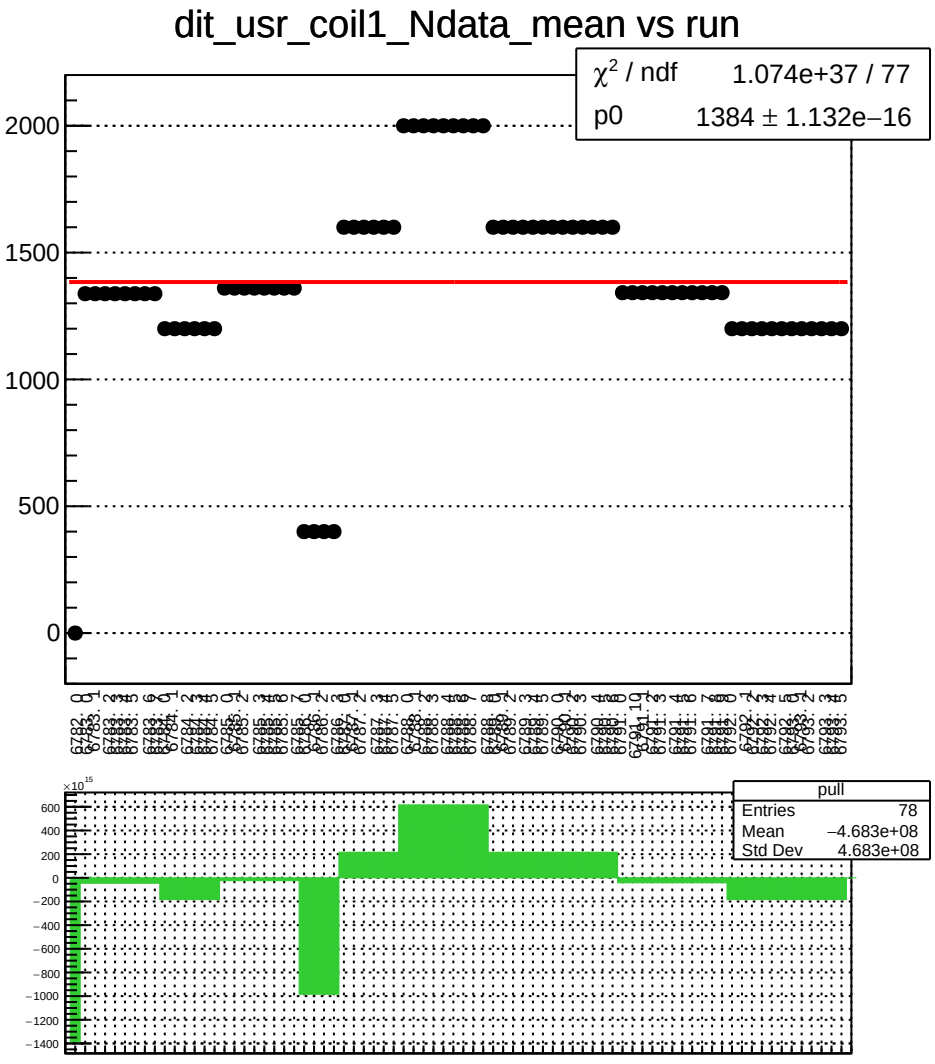


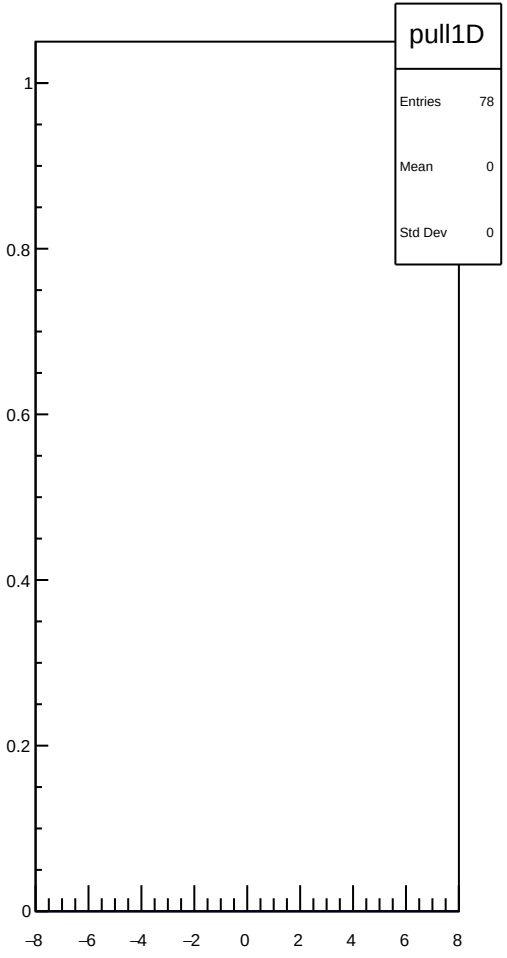


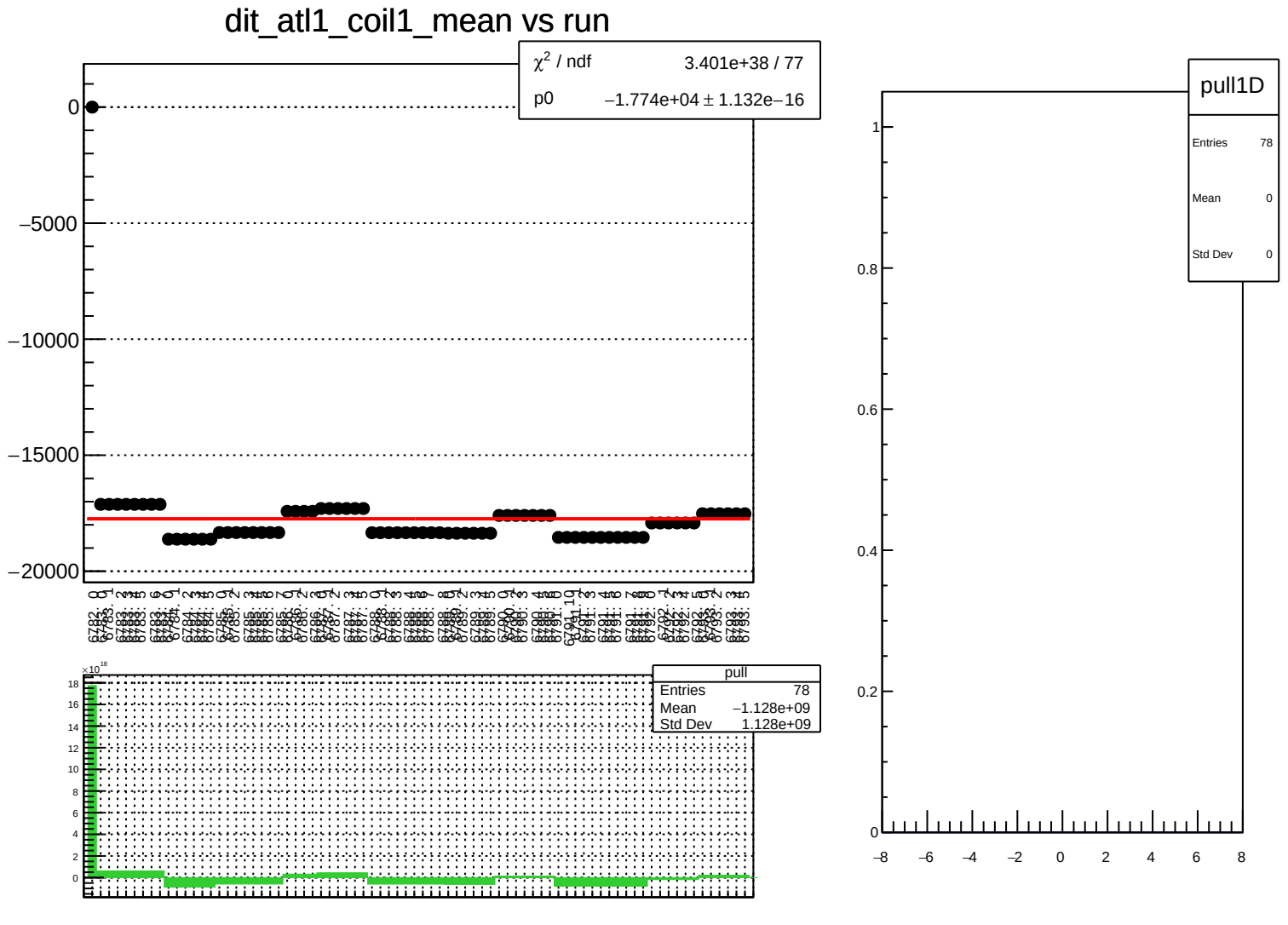


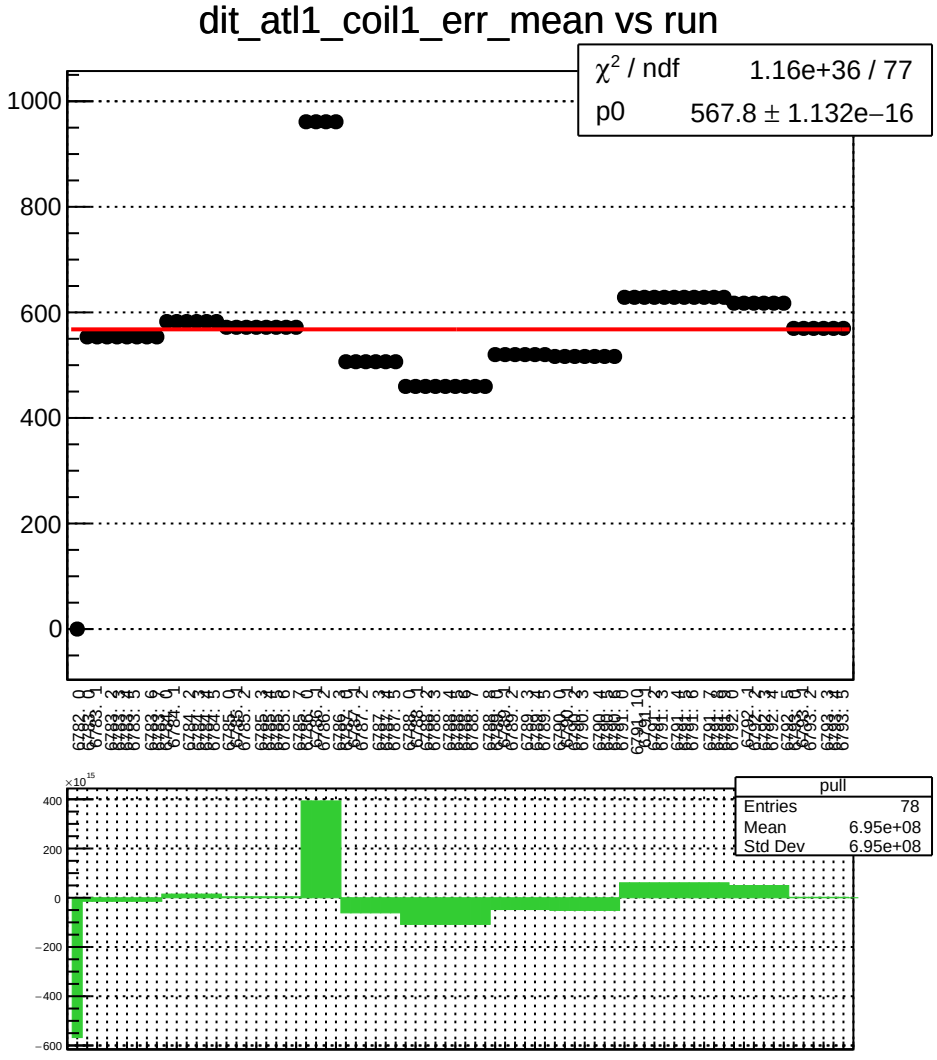

dit_usr_coil1_err_mean vs run
χ² / ndf 1.276e+36 / 77
p0 529.4 ± 1.132e−16
pull
Entries 78
Mean −2.926e+09
Std Dev 2.926e+09

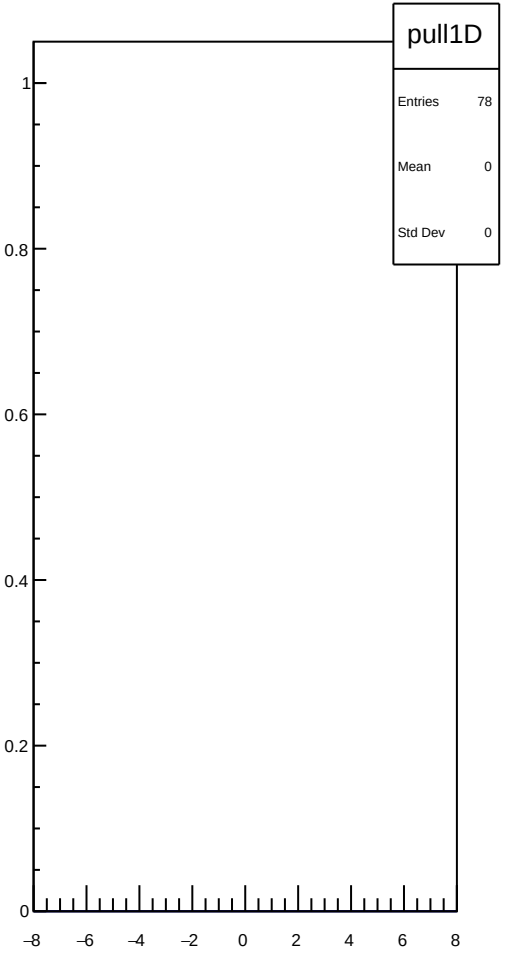

pull1D
Entries 78
Mean 0
Std Dev 0


dit_usr_coil1_Ndata_mean vs run
χ^2 / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

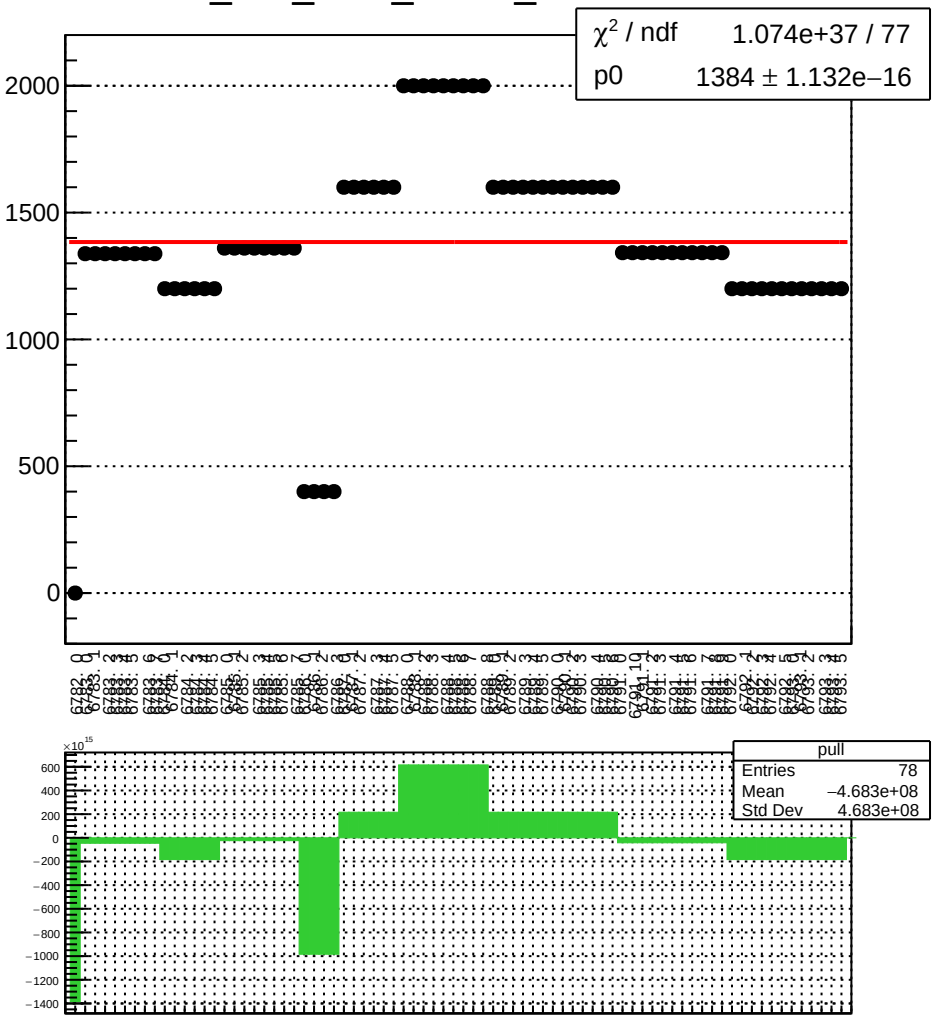

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

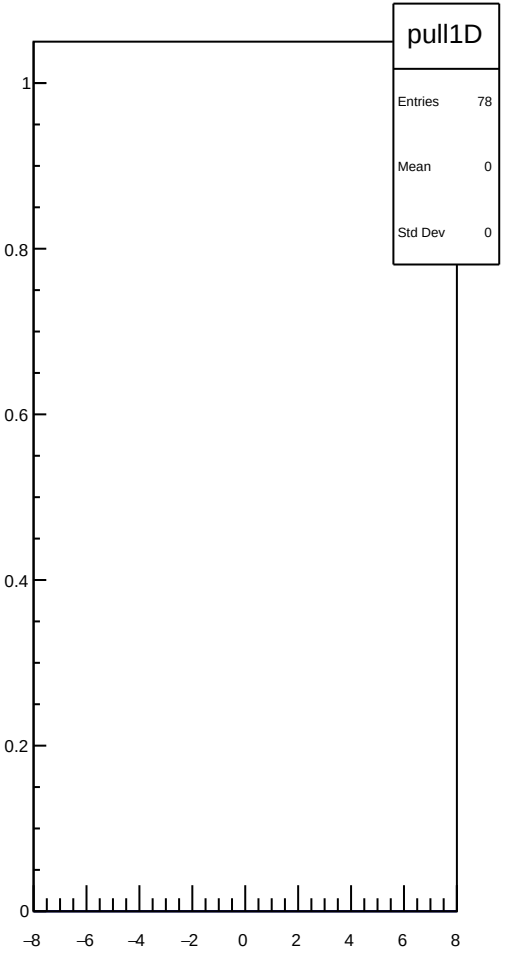

dit_atl1_coil1_mean vs run
χ² / ndf 3.401e+38 / 77
p0 −1.774e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean −1.128e+09
Std Dev 1.128e+09
×10¹⁸
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

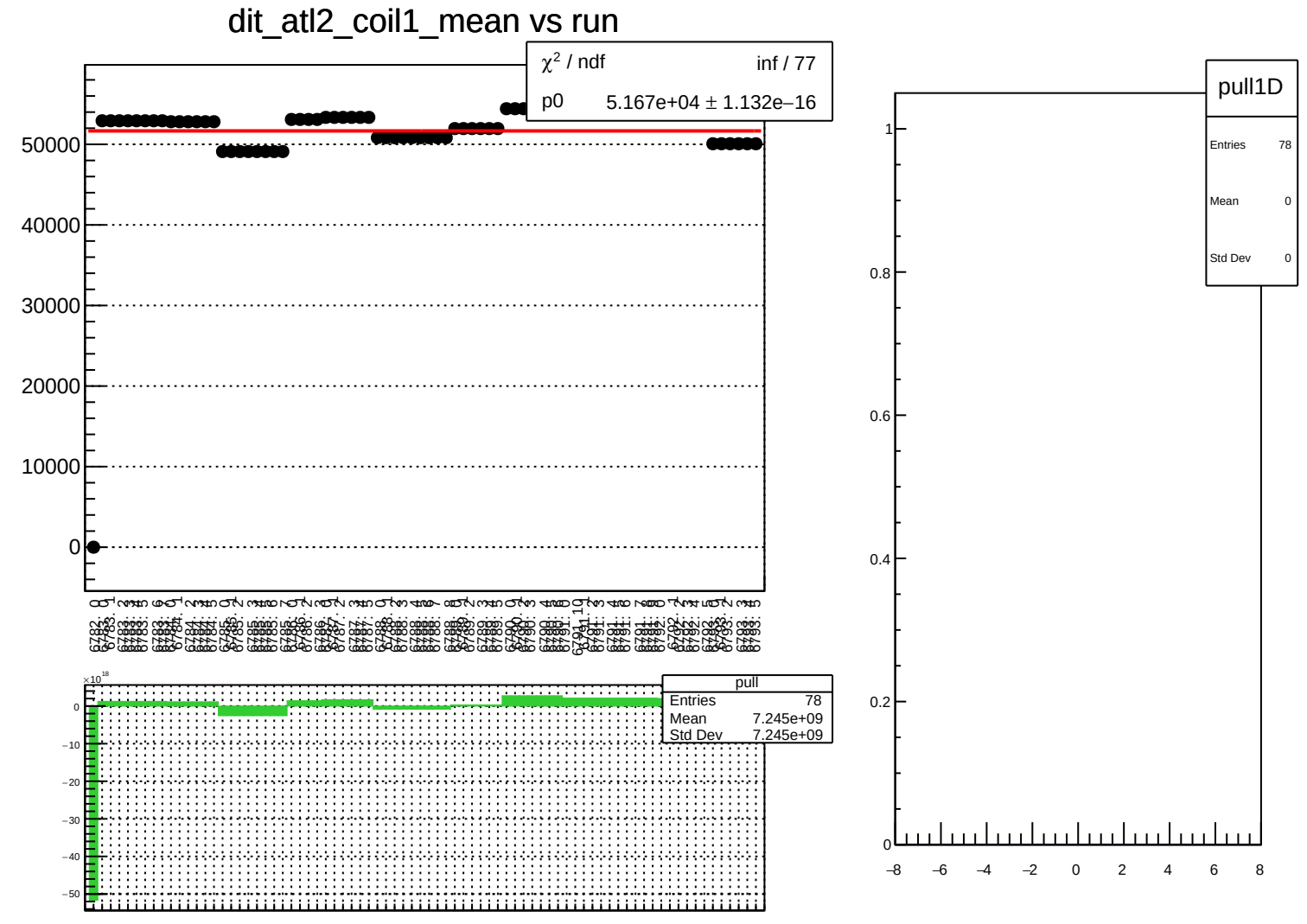

dit_atl1_coil1_err_mean vs run
χ^2 / ndf 1.16e+36 / 77
p0 567.8 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 6.95e+08
Std Dev 6.95e+08
400
200
0
−200
−400
−600


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

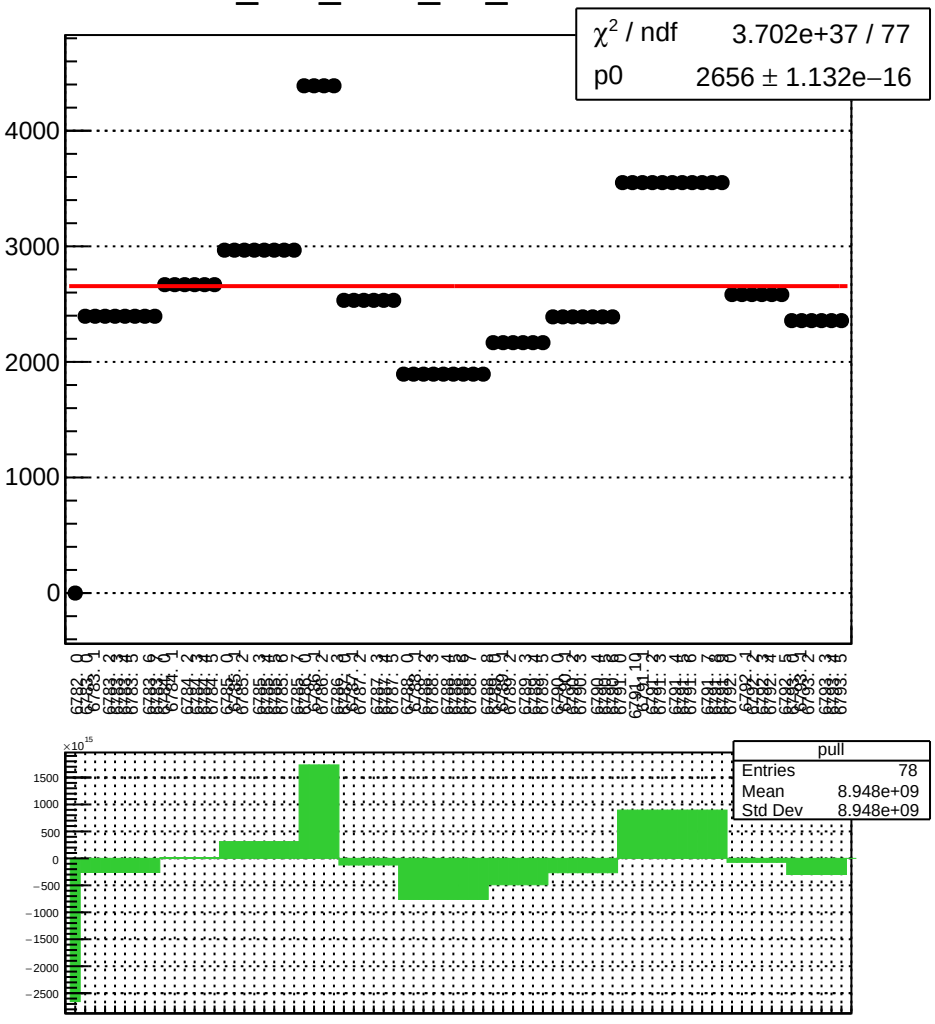
dit_atl1_coil1_Ndata_mean vs run

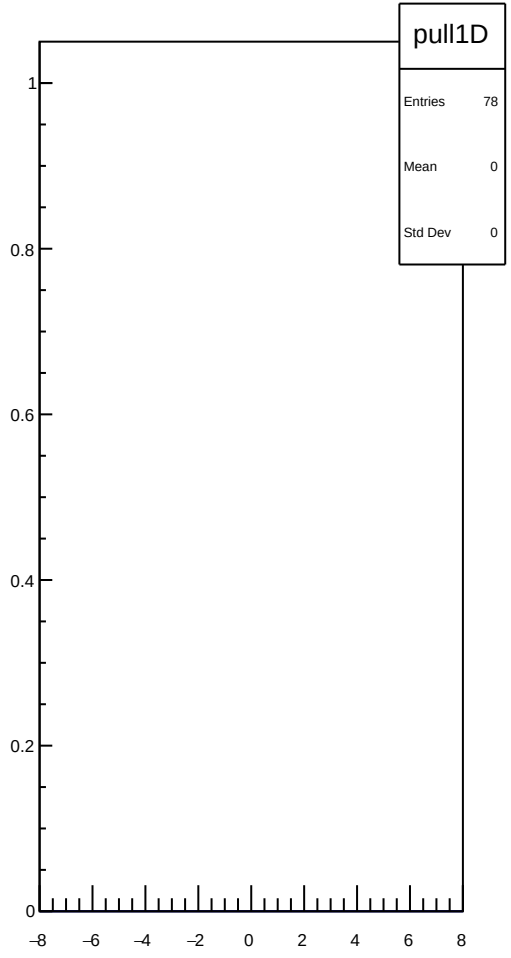




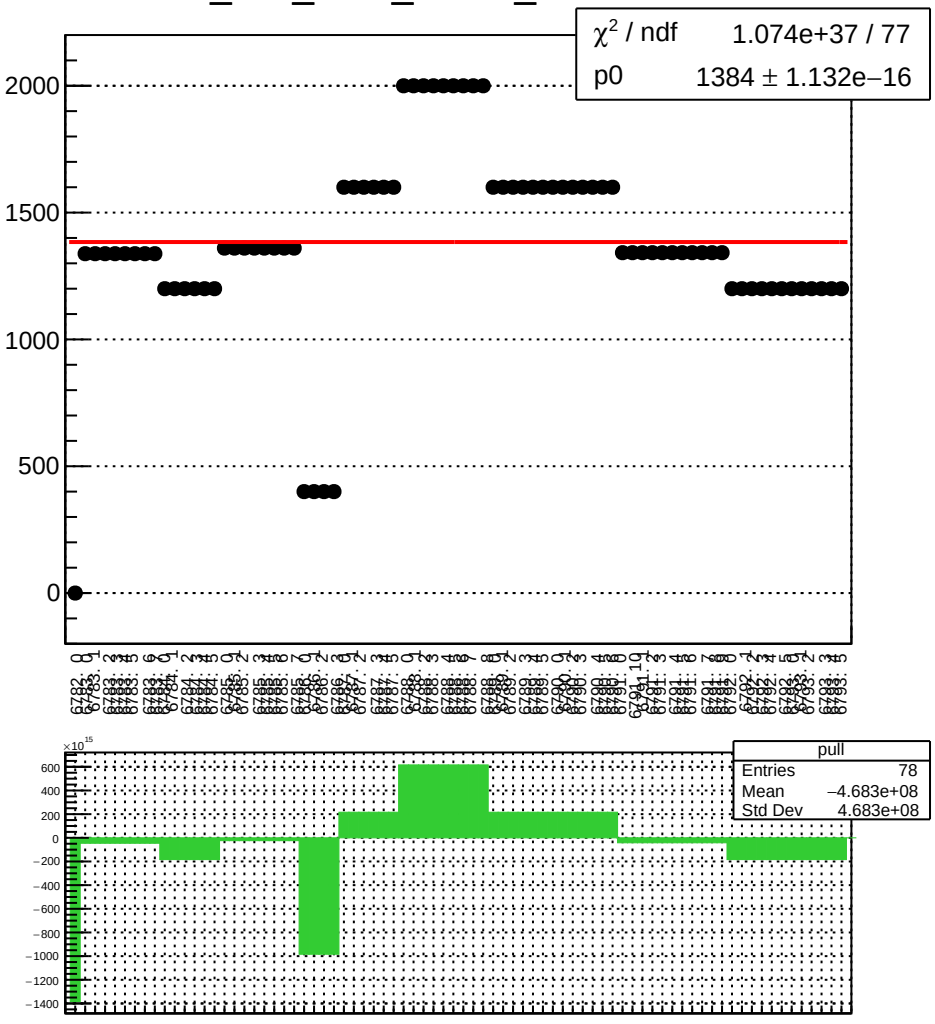

dit_atl2_coil1_mean vs run
χ² / ndf inf / 77
p0 5.167e+04 ± 1.132e−16
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 7.245e+09
Std Dev 7.245e+09
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

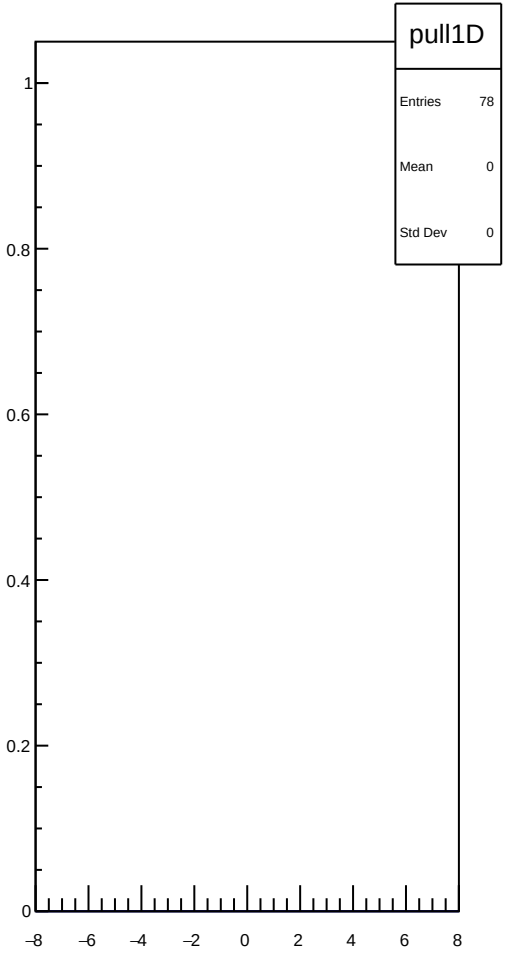
dit_atl2_coil1_err_mean vs run

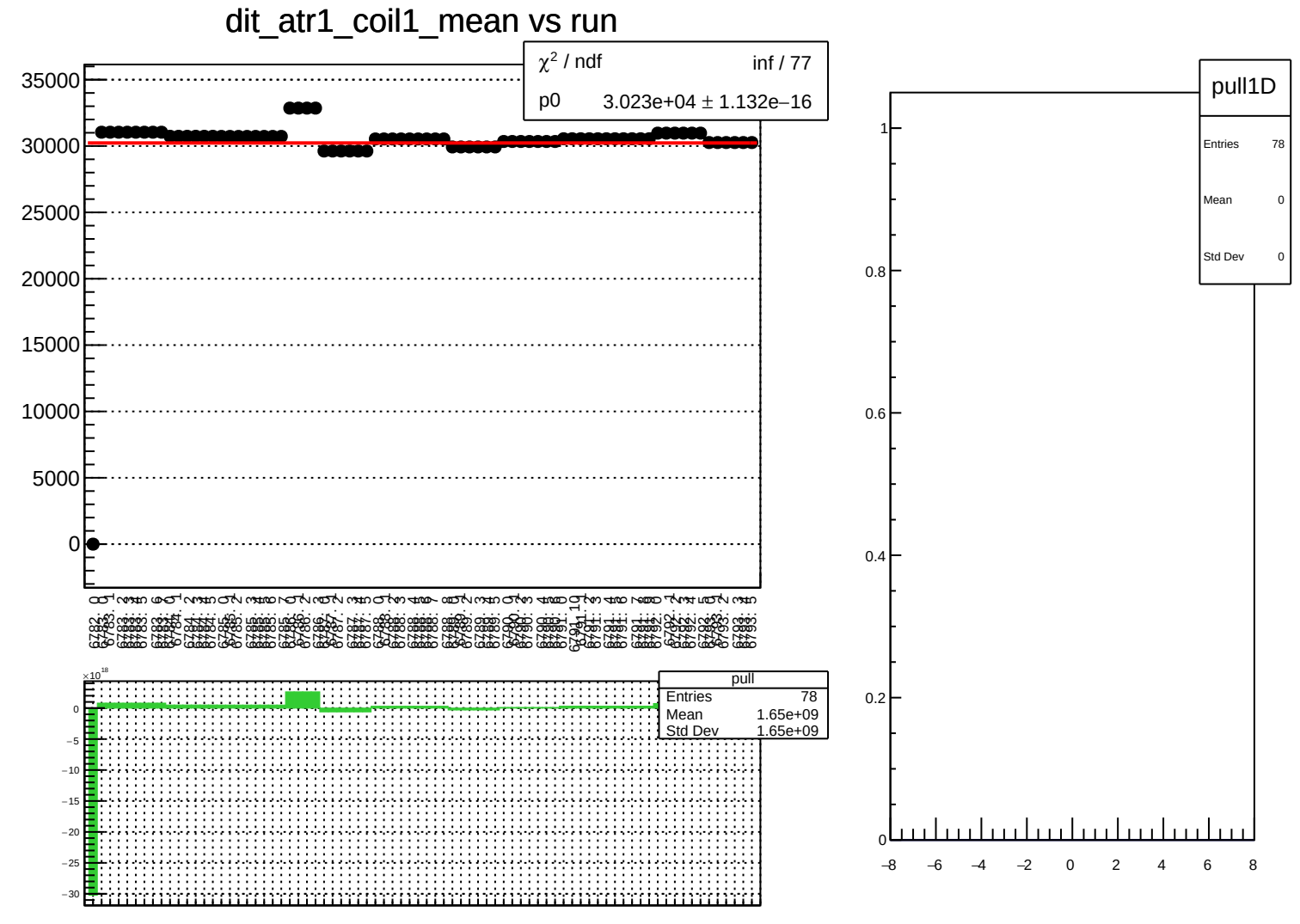


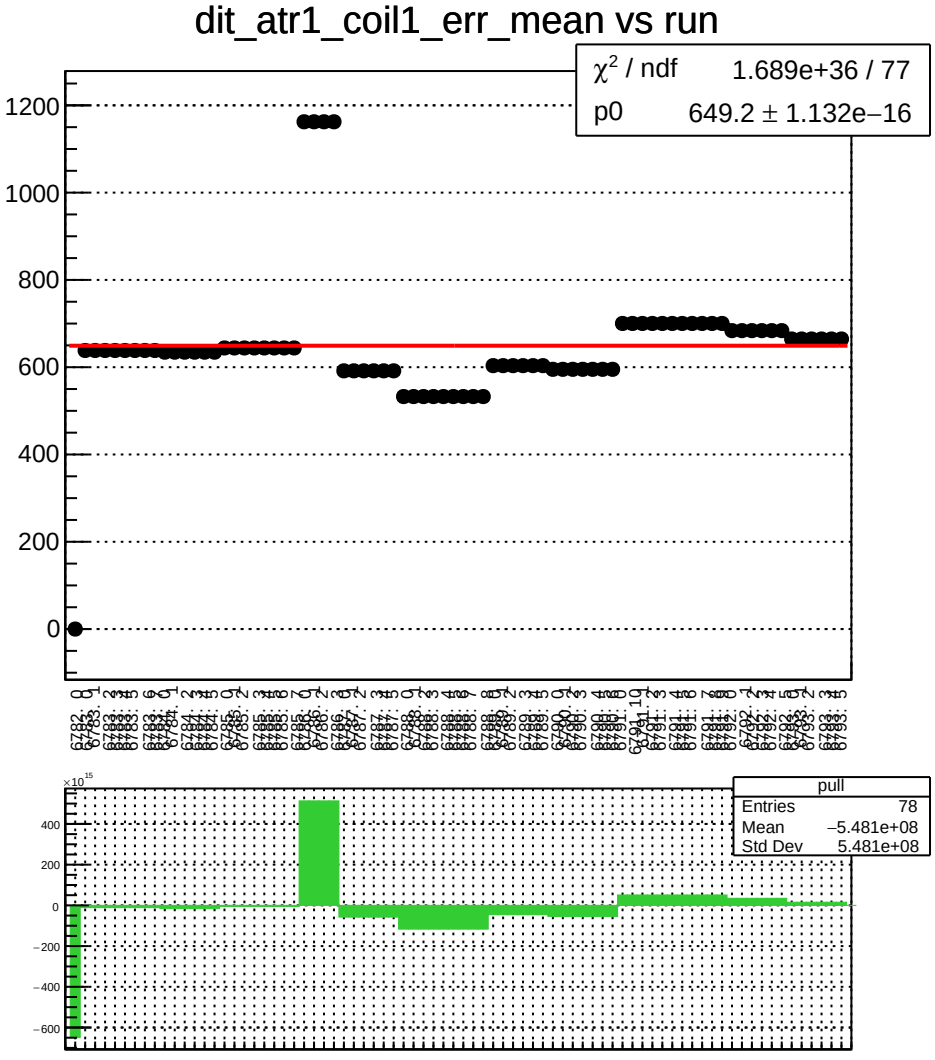


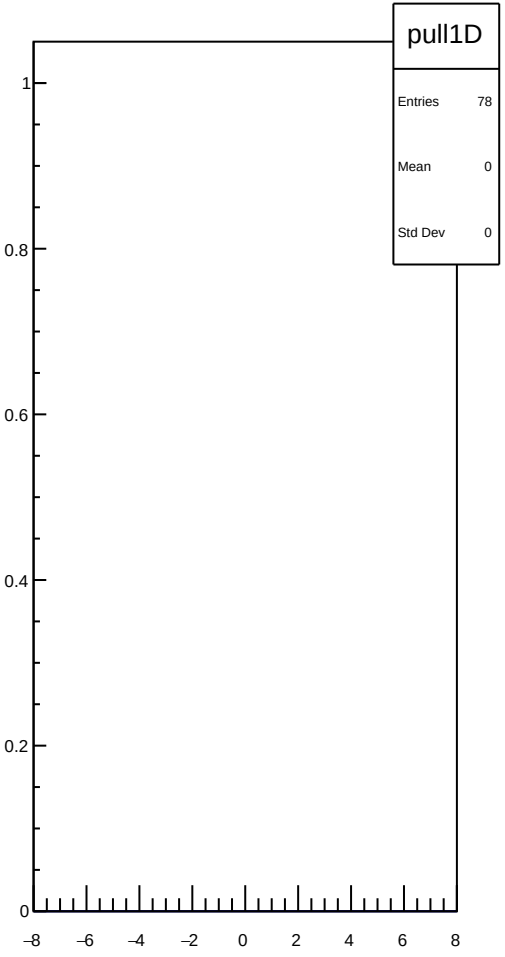
dit_atl2_coil1_Ndata_mean vs run



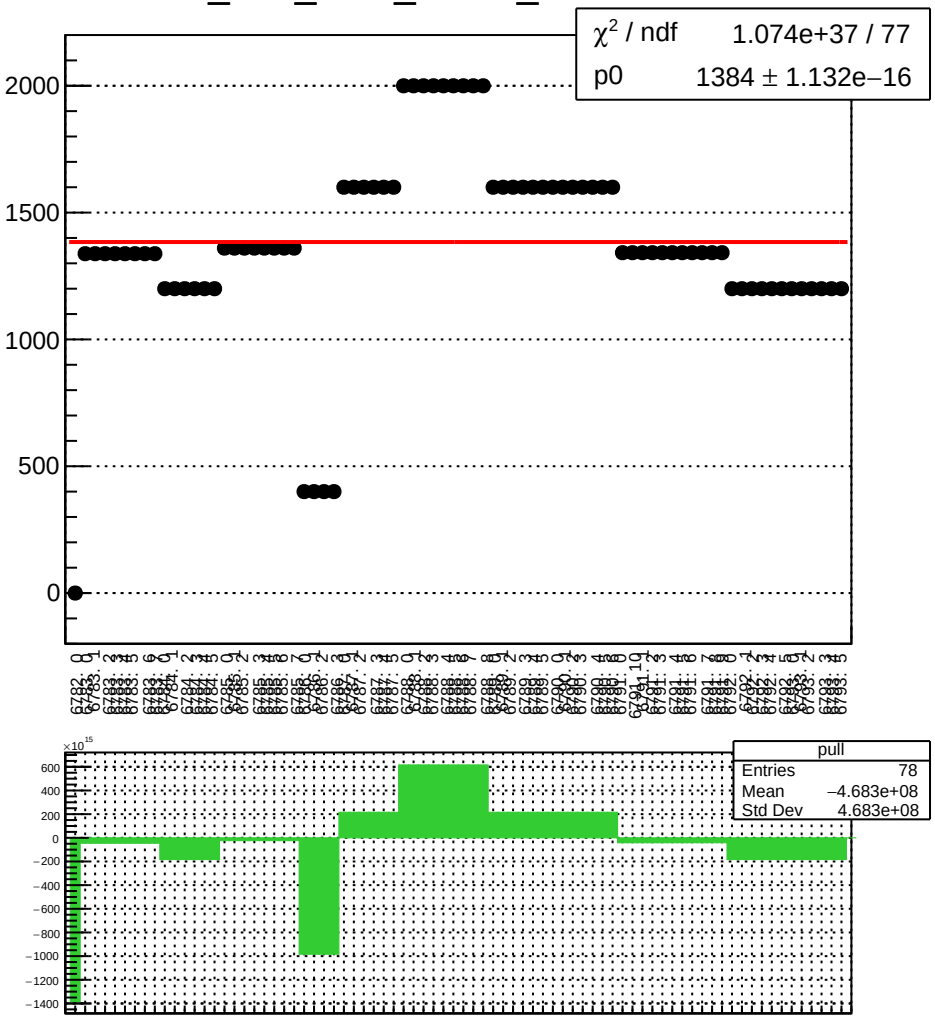


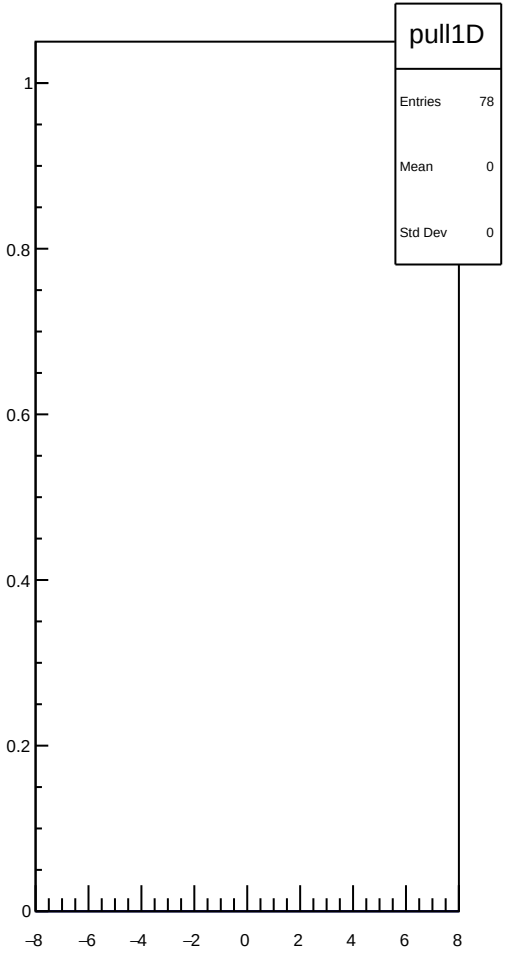

dit_atr1_coil1_mean vs run
χ² / ndf inf / 77
p0 3.023e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 1.65e+09
Std Dev 1.65e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr1_coil1_err_mean vs run
χ² / ndf 1.689e+36 / 77
p0 649.2 ± 1.132e−16
pull
Entries 78
Mean −5.481e+08
Std Dev 5.481e+08

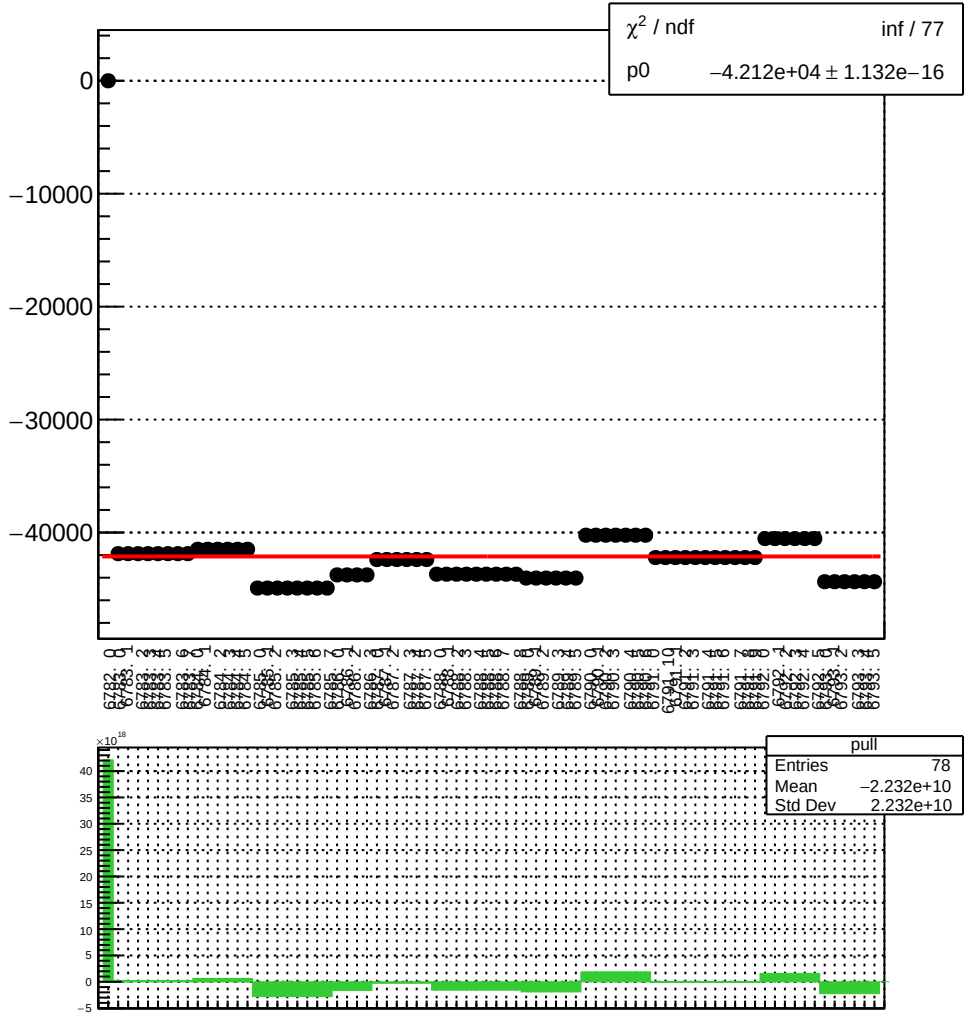

pull1D
Entries 78
Mean 0
Std Dev 0

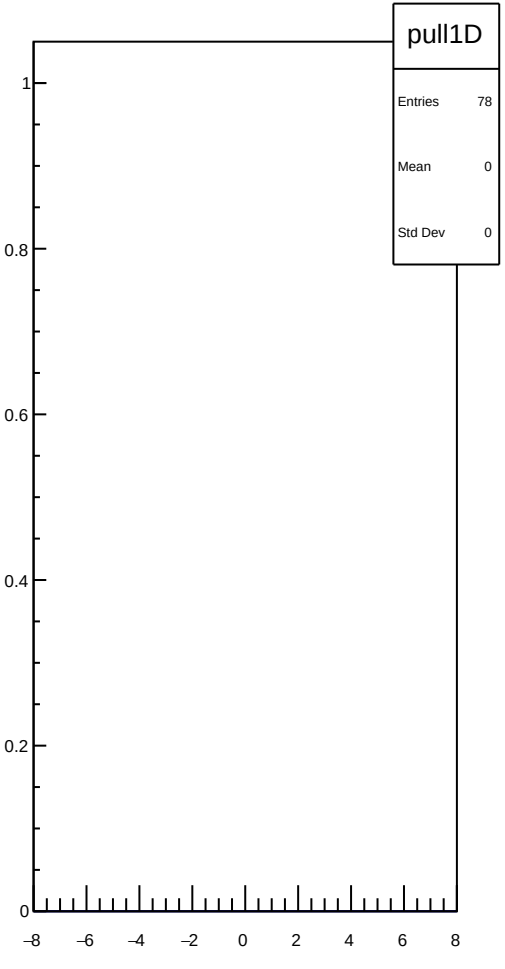
dit_atr1_coil1_Ndata_mean vs run

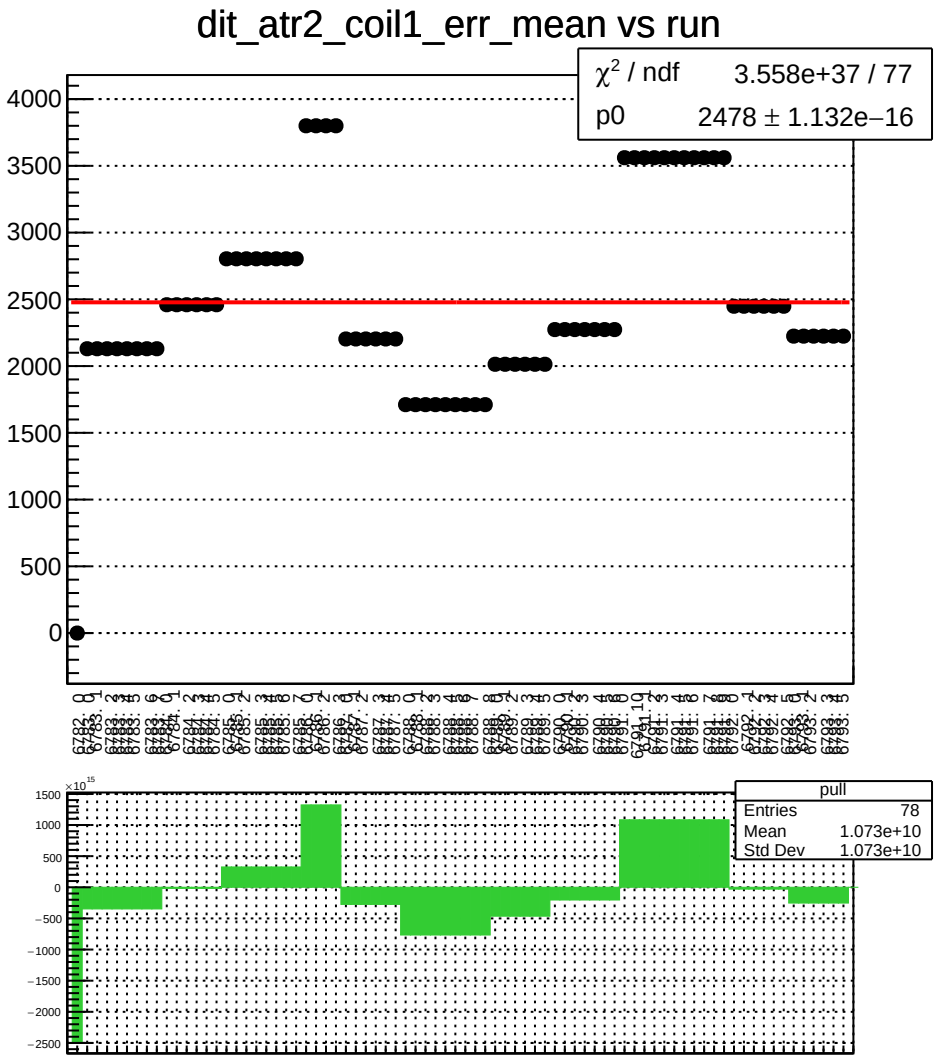


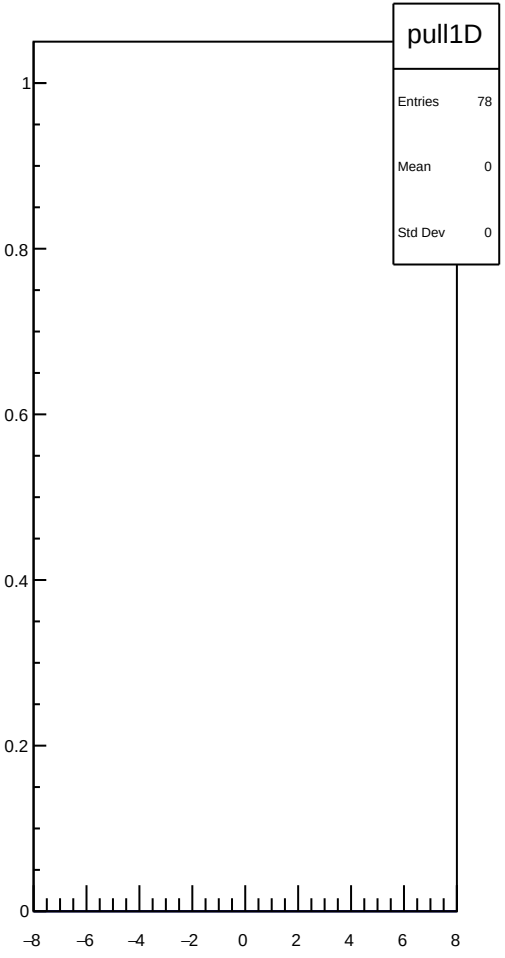


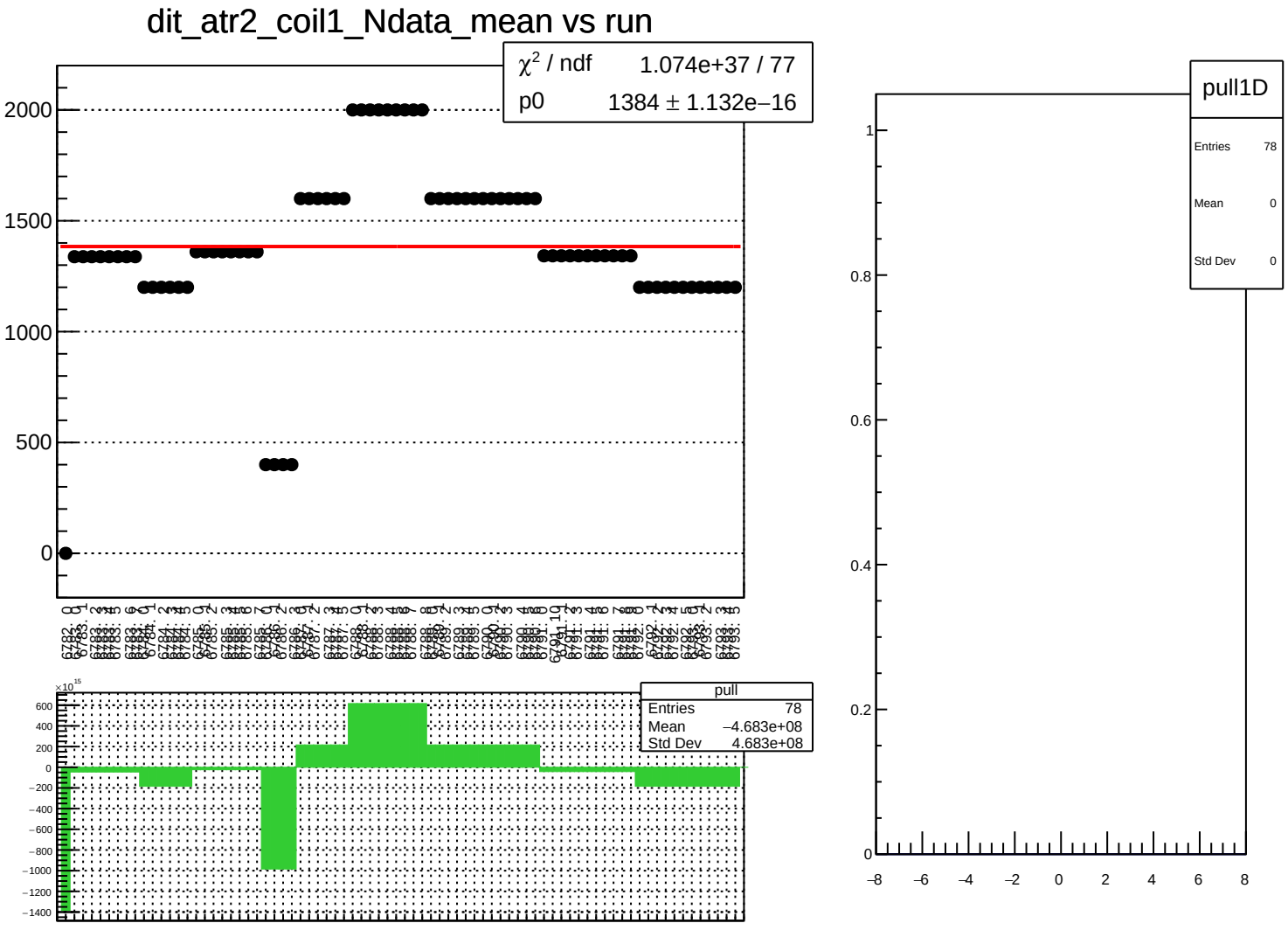
dit_atr2_coil1_mean vs run

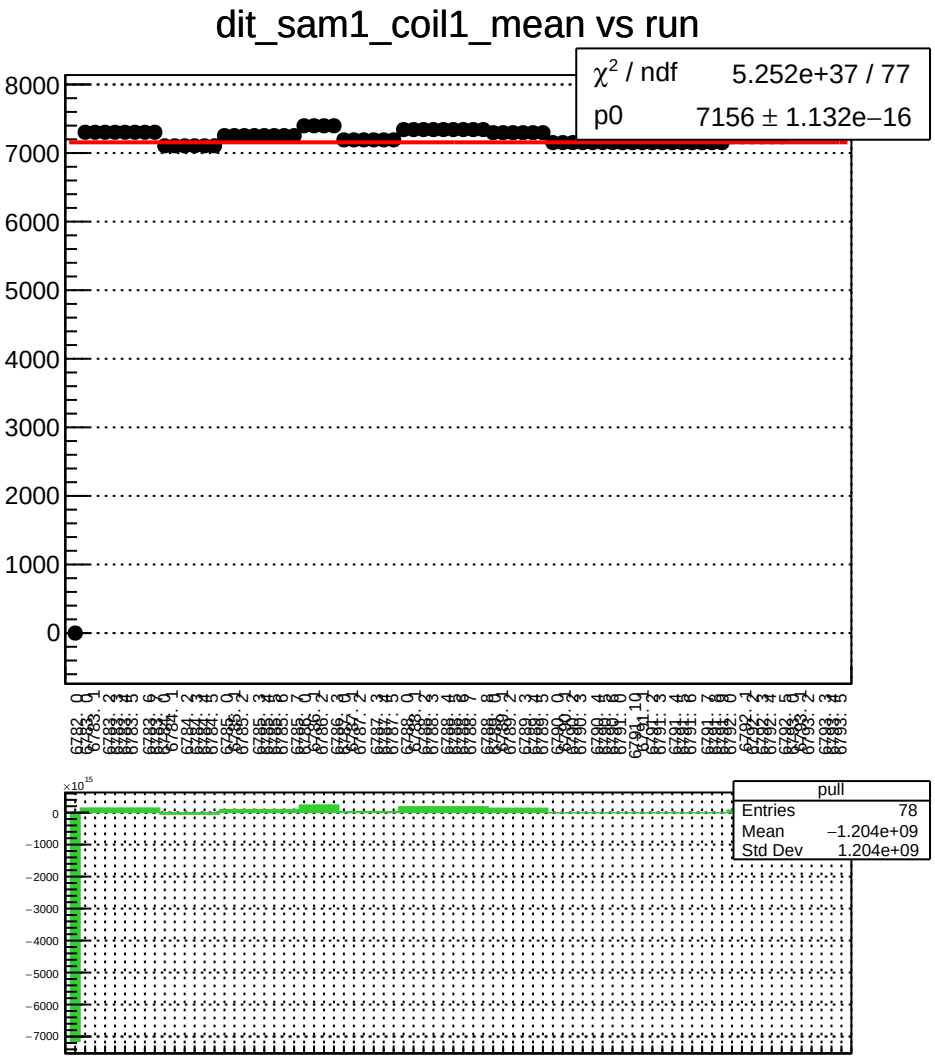


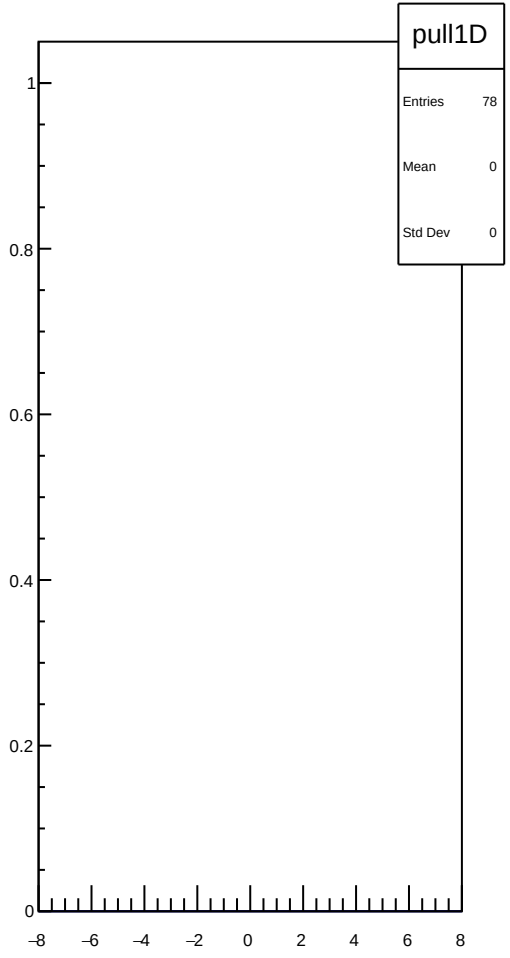


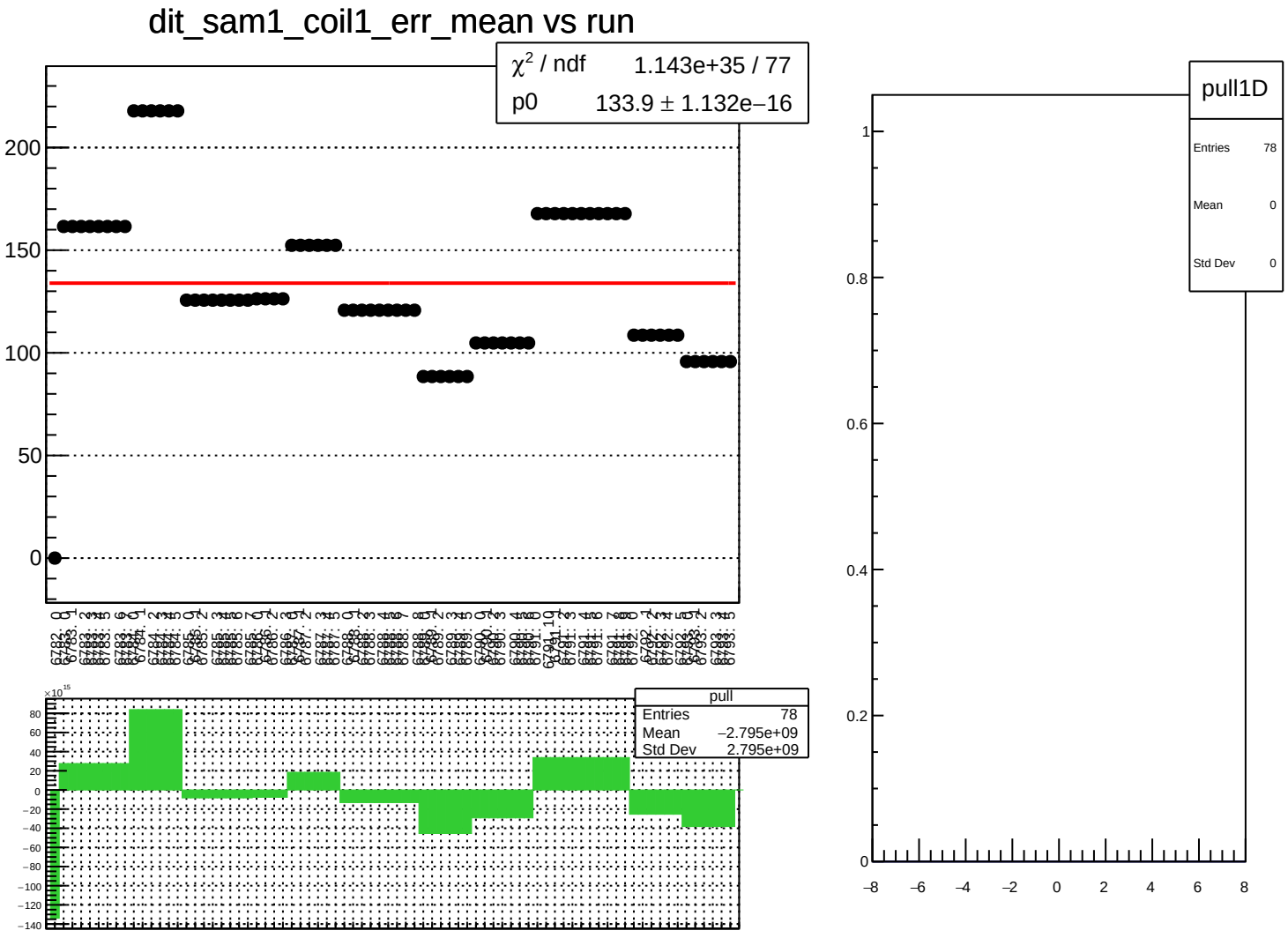

dit_atr2_coil1_err_mean vs run
χ^2 / ndf 3.558e+37 / 77
p0 2478 ± 1.132e−16
pull
Entries 78
Mean 1.073e+10
Std Dev 1.073e+10

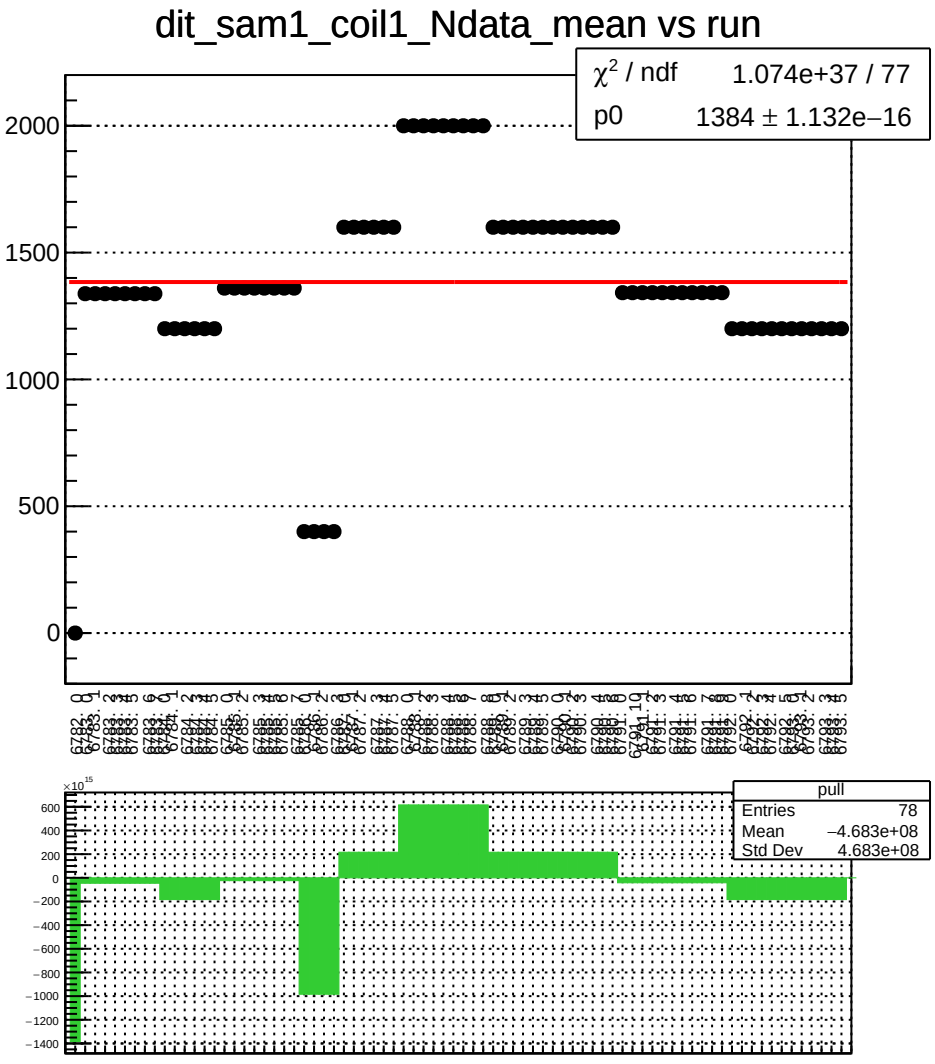

pull1D
Entries 78
Mean 0
Std Dev 0

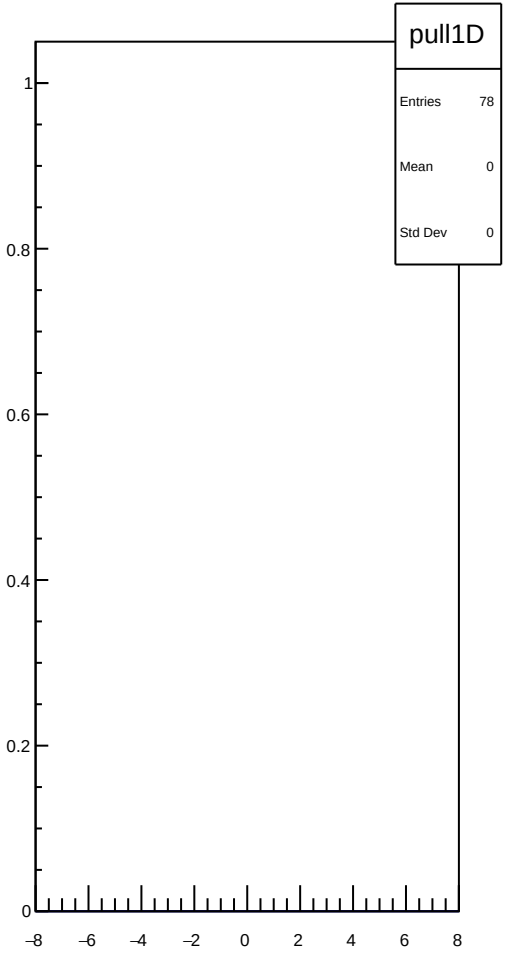

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

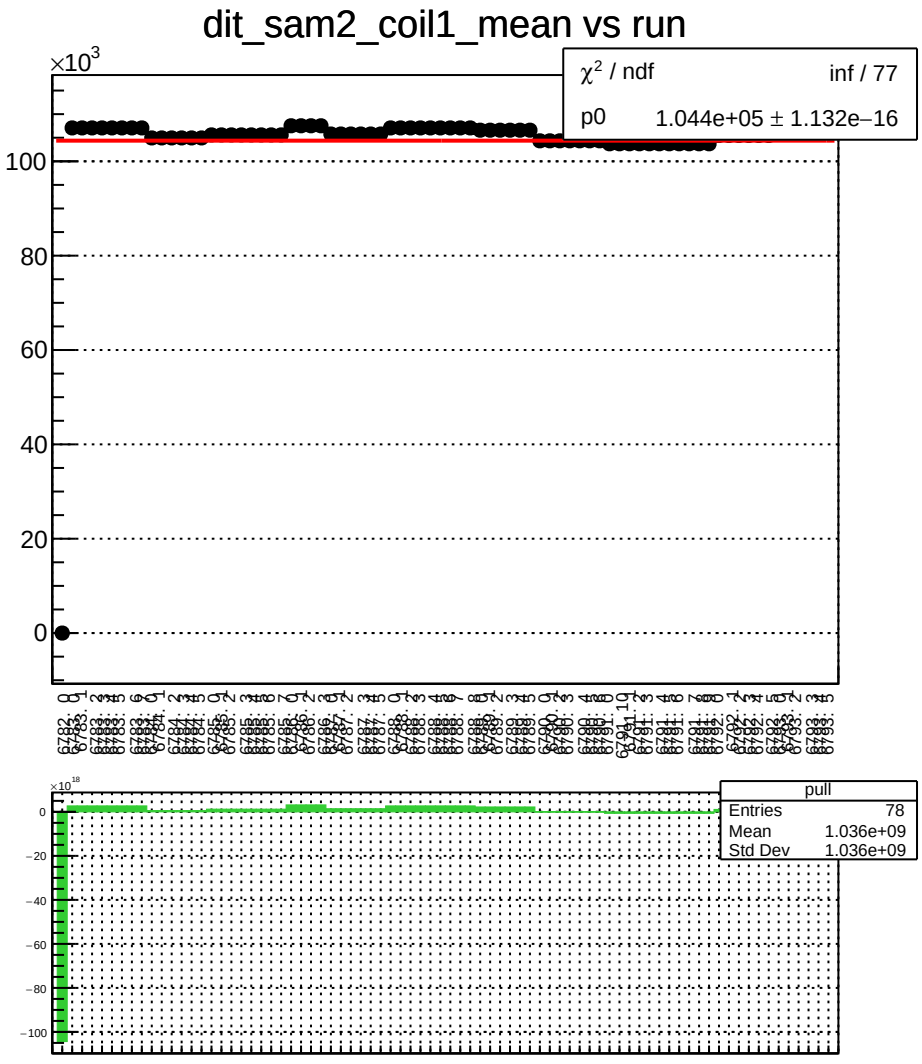

dit_sam1_coil1_mean vs run
χ^2 / ndf 5.252e+37 / 77
p0 7156 ± 1.132e−16
pull
Entries 78
Mean −1.204e+09
Std Dev 1.204e+09

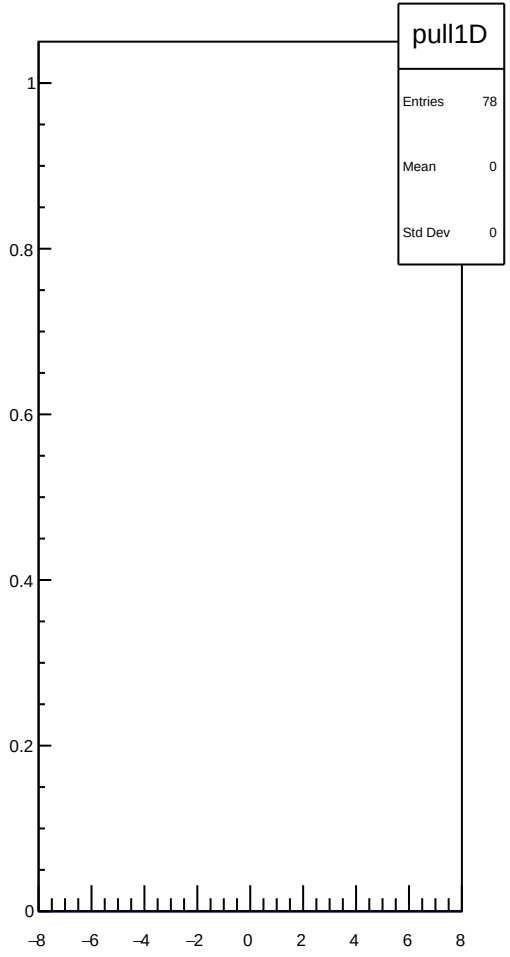

pull1D
Entries 78
Mean 0
Std Dev 0

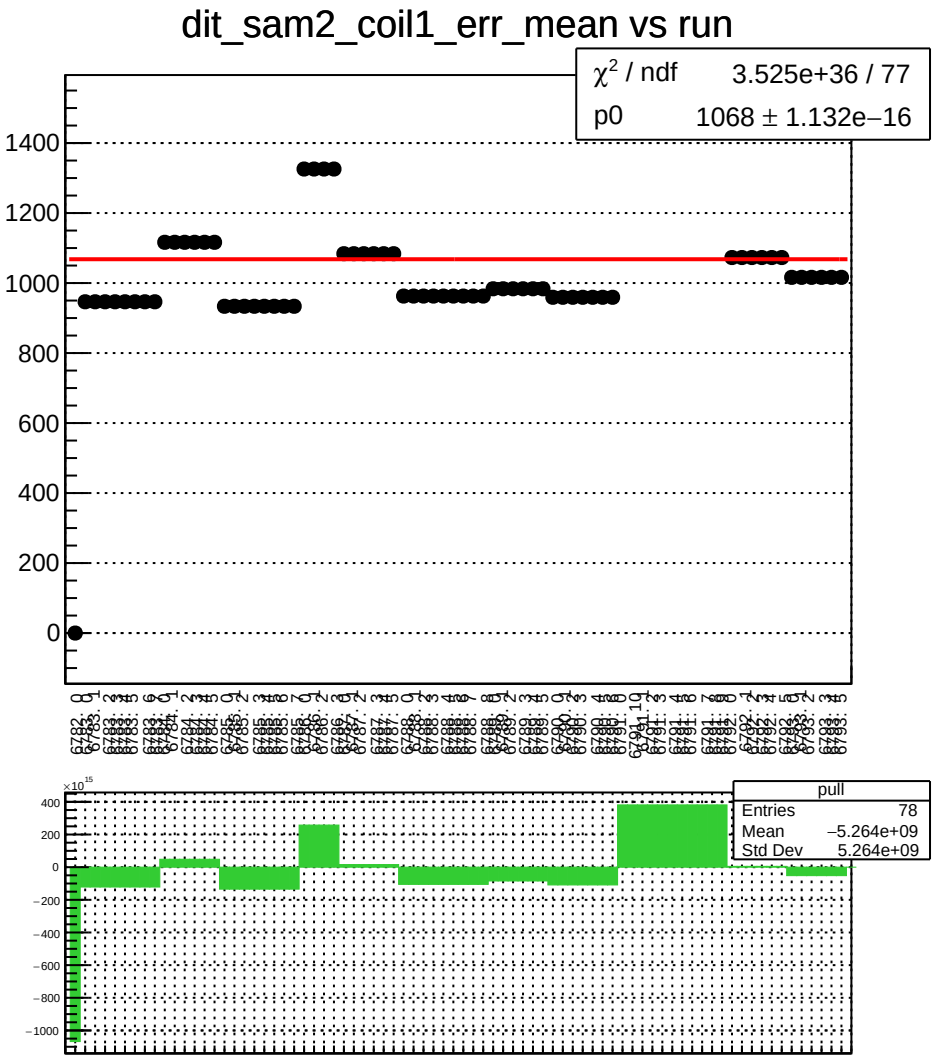

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.143e+35 / 77
p0 133.9 ± 1.132e−16
pull
Entries 78
Mean −2.795e+09
Std Dev 2.795e+09
pull1D
Entries 78
Mean 0
Std Dev 0

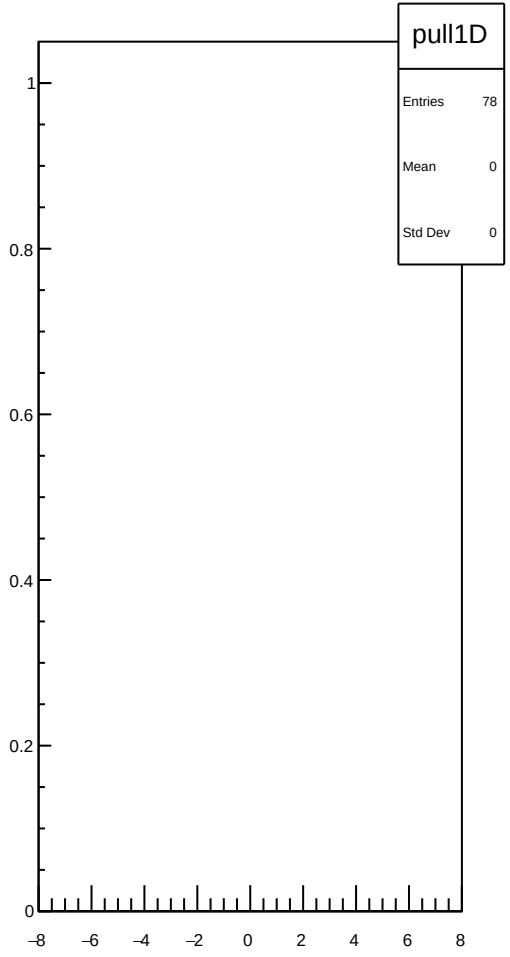

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

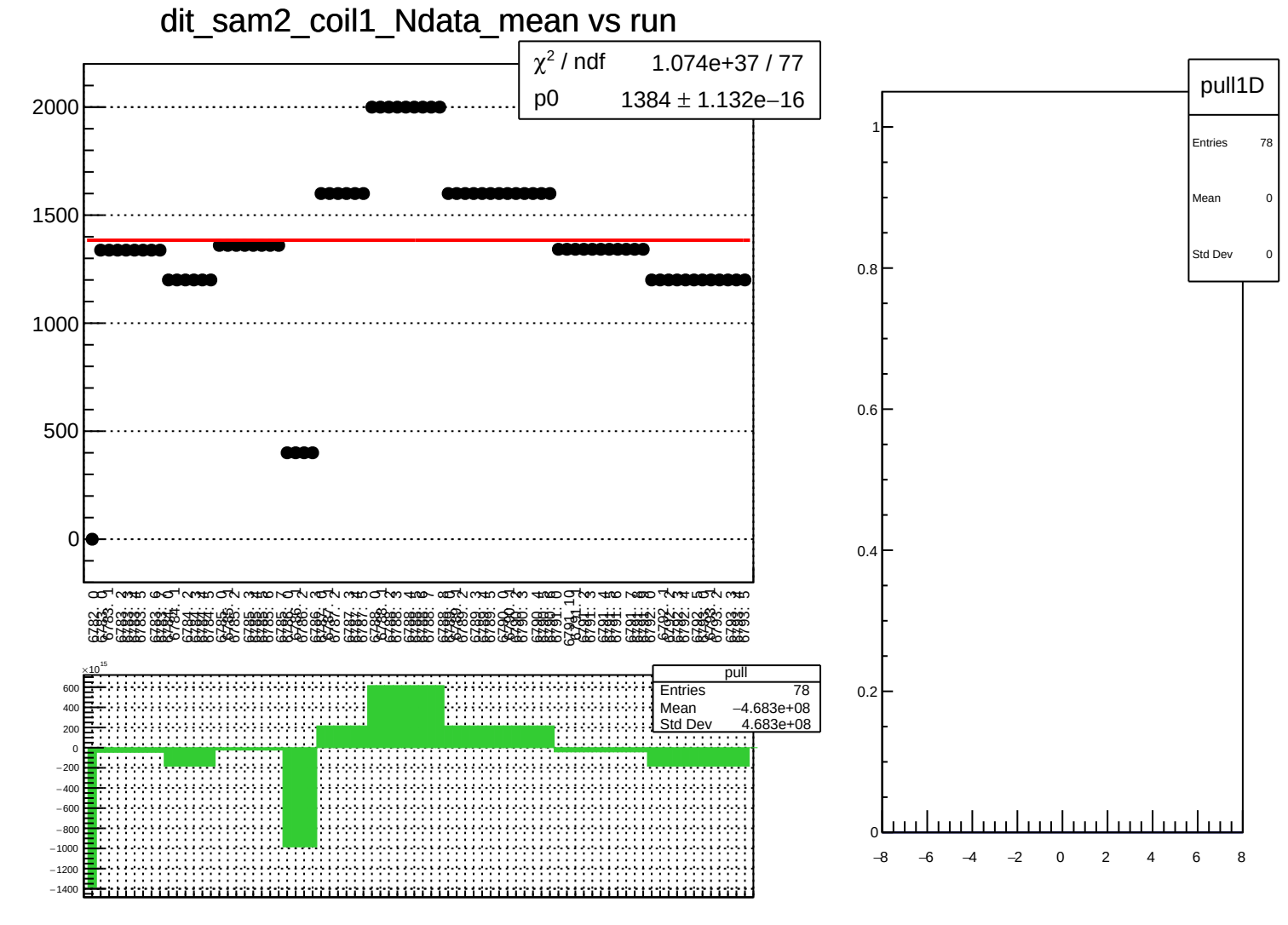

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

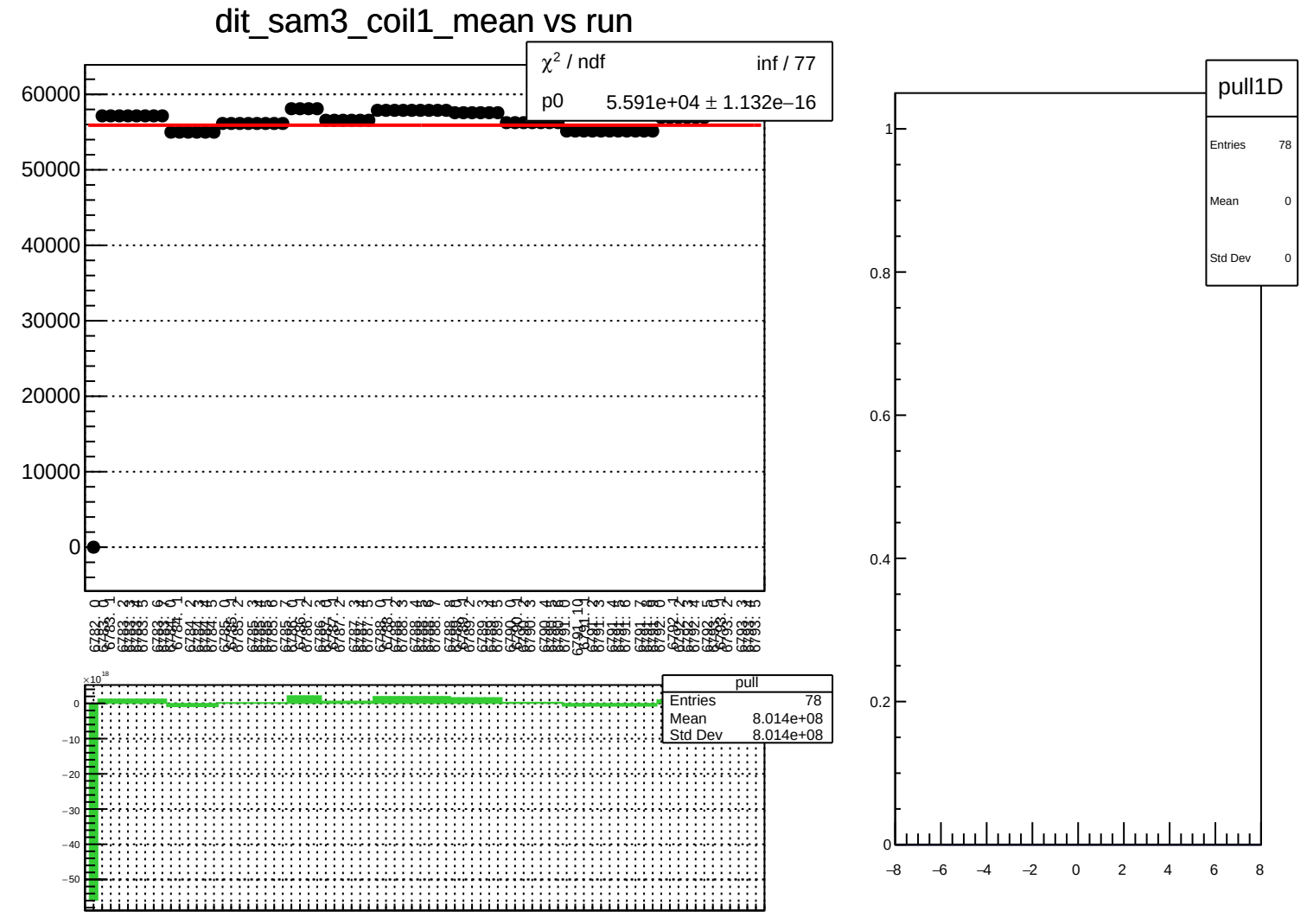

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.044e+05 ± 1.132e−16
100
80
60
40
20
0
pull
Entries 78
Mean 1.036e+09
Std Dev 1.036e+09
×10^18
0
−20
−40
−60
−80
−100

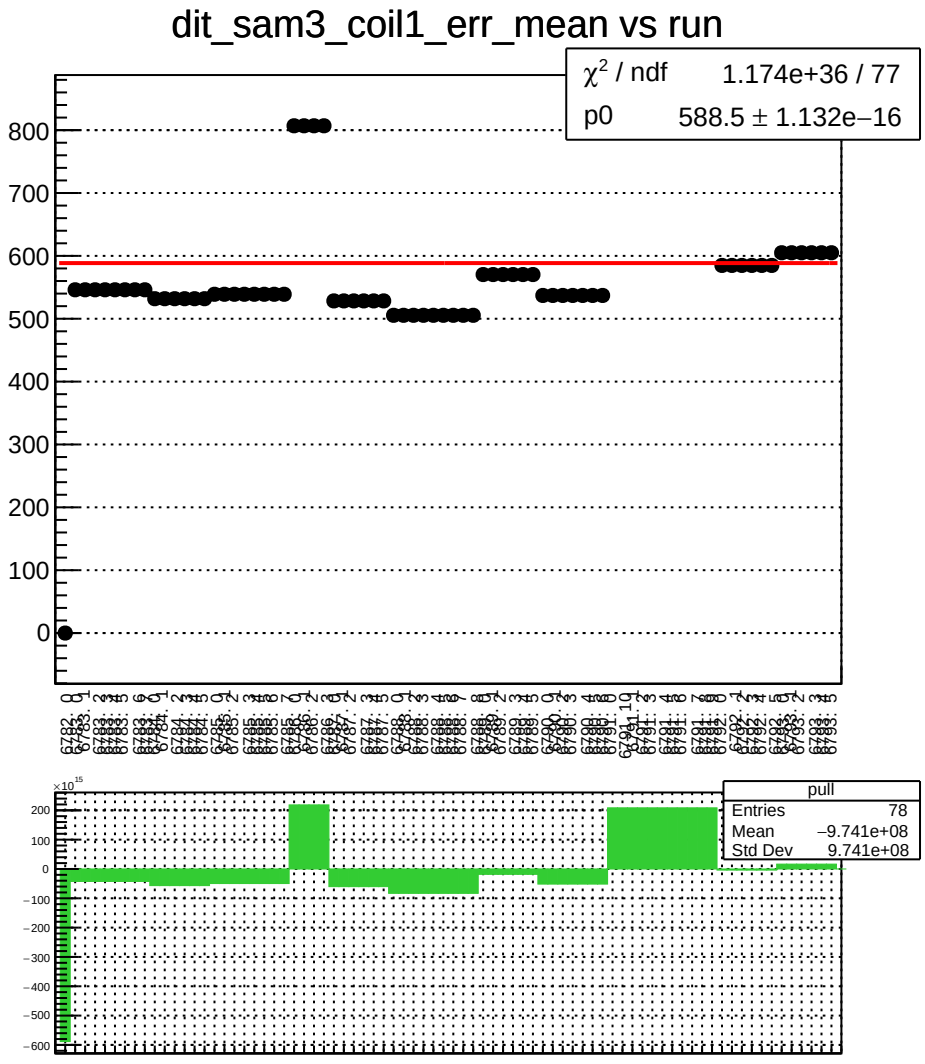

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

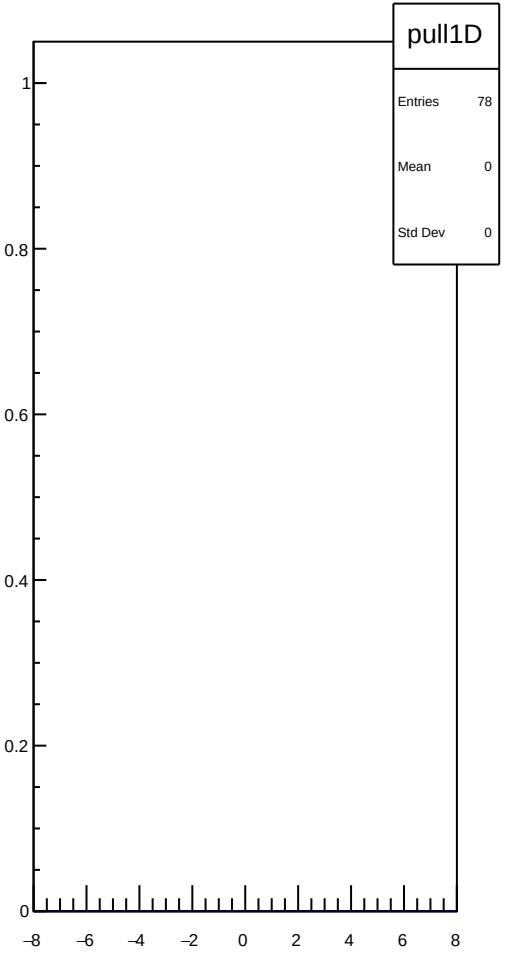

dit_sam2_coil1_err_mean vs run
χ² / ndf 3.525e+36 / 77
p0 1068 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −5.264e+09
Std Dev 5.264e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

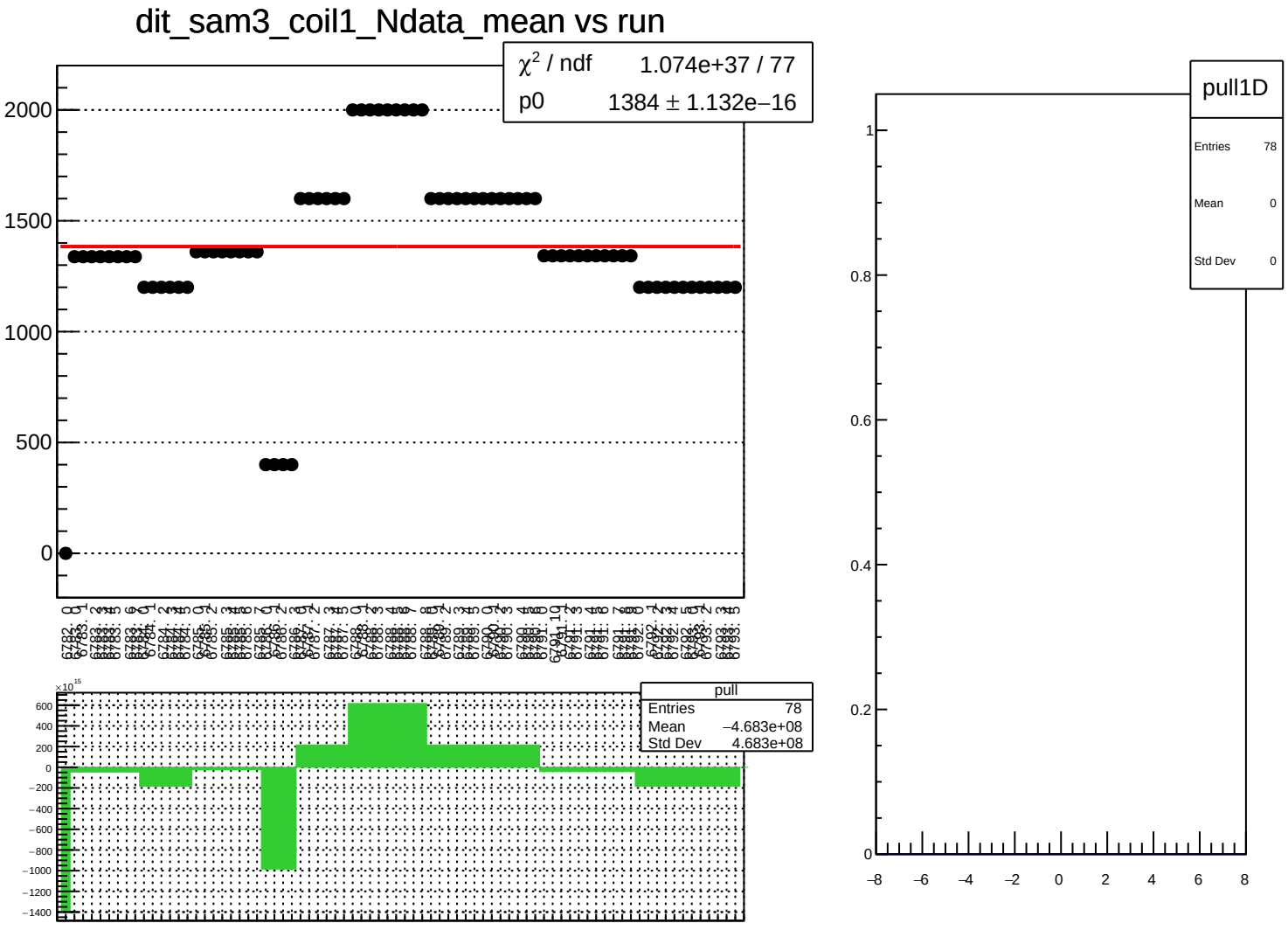

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

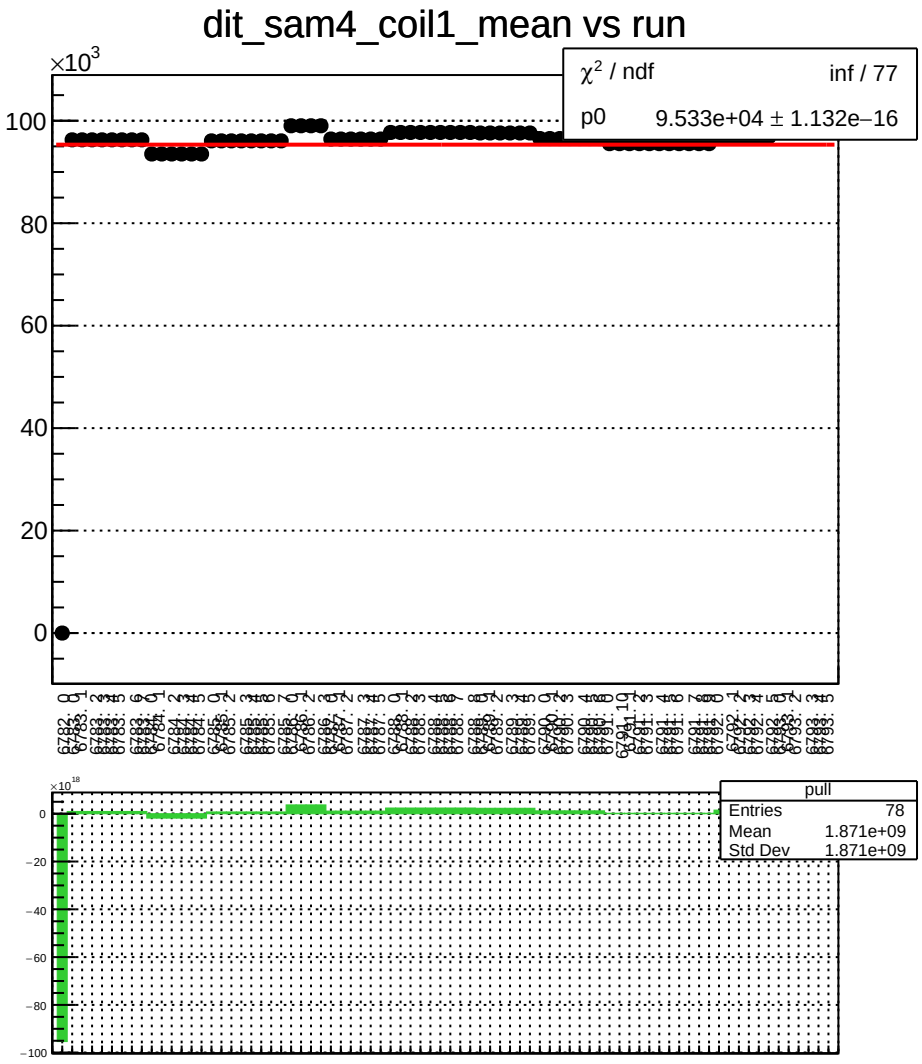

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
pull1D
Entries 78
Mean 0
Std Dev 0

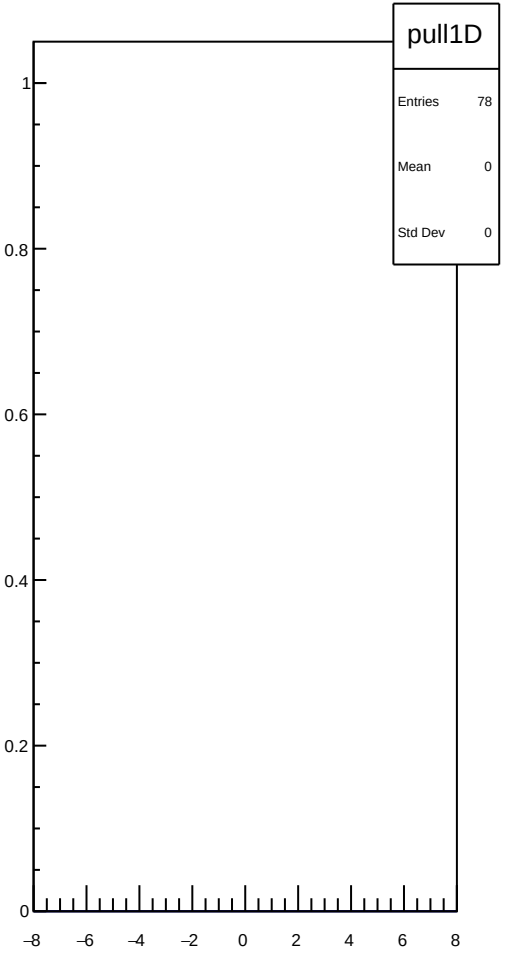

dit_sam3_coil1_mean vs run
χ² / ndf inf / 77
p0 5.591e+04 ± 1.132e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 8.014e+08
Std Dev 8.014e+08
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

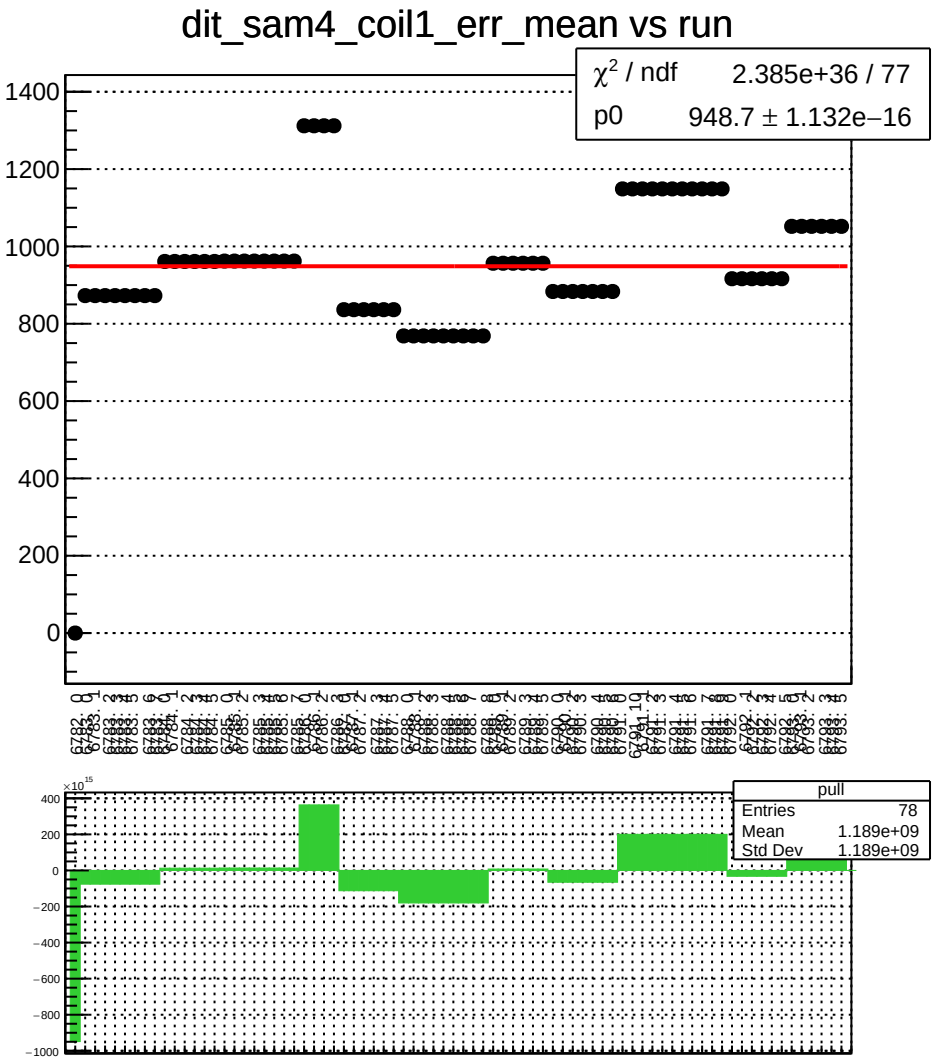

dit_sam3_coil1_err_mean vs run
χ^2 / ndf 1.174e+36 / 77
p0 588.5 ± 1.132e−16
pull
Entries 78
Mean −9.741e+08
Std Dev 9.741e+08

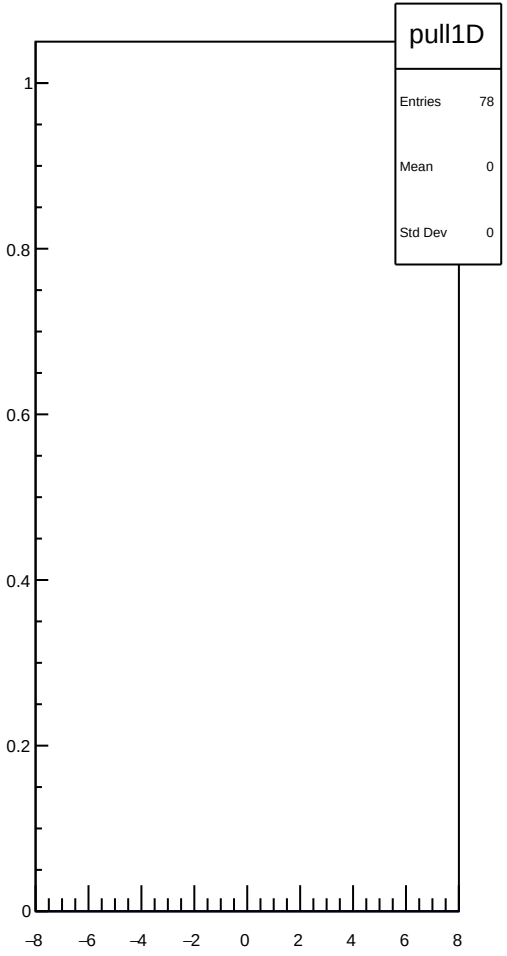

pull1D
Entries 78
Mean 0
Std Dev 0

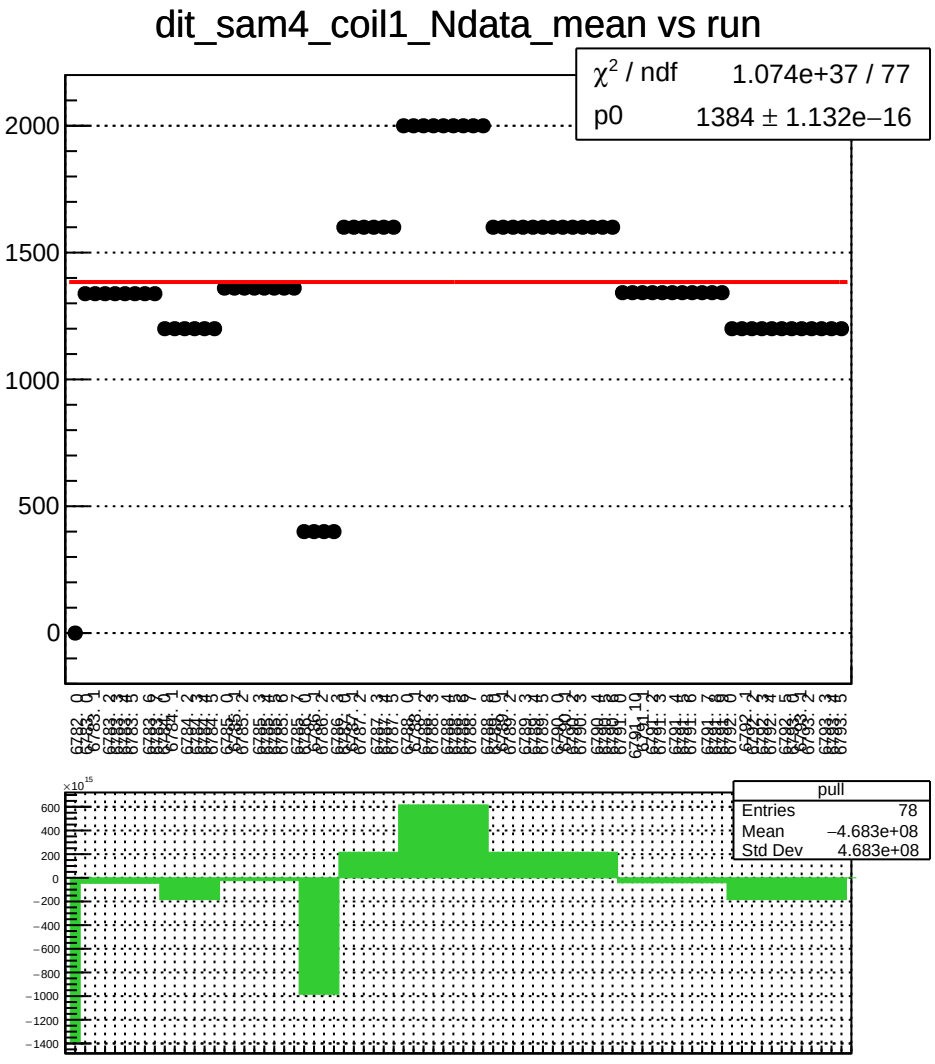

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

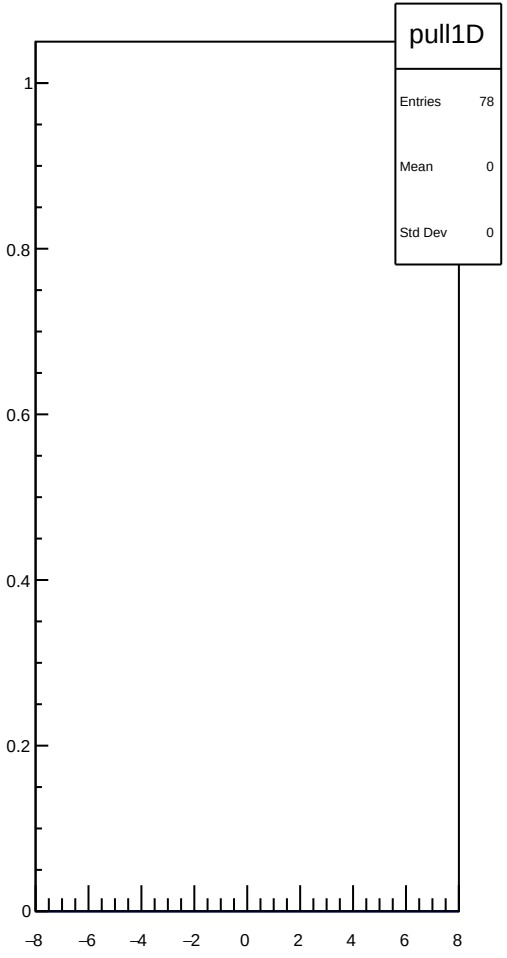

dit_sam4_coil1_mean vs run
×10^3
100
80
60
40
20
0
χ² / ndf inf / 77
p0 9.533e+04 ± 1.132e−16
×10^18
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean 1.871e+09
Std Dev 1.871e+09

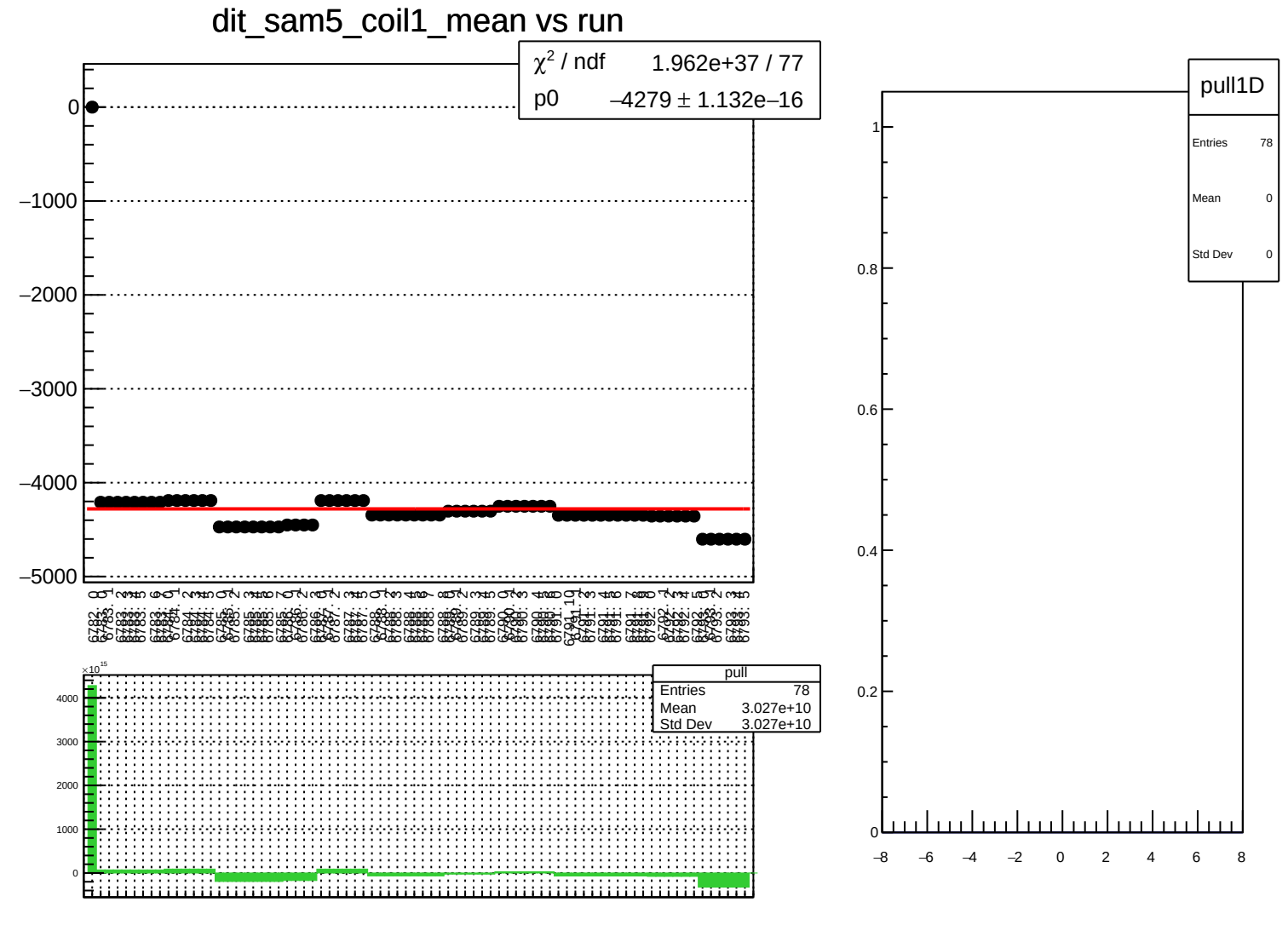

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

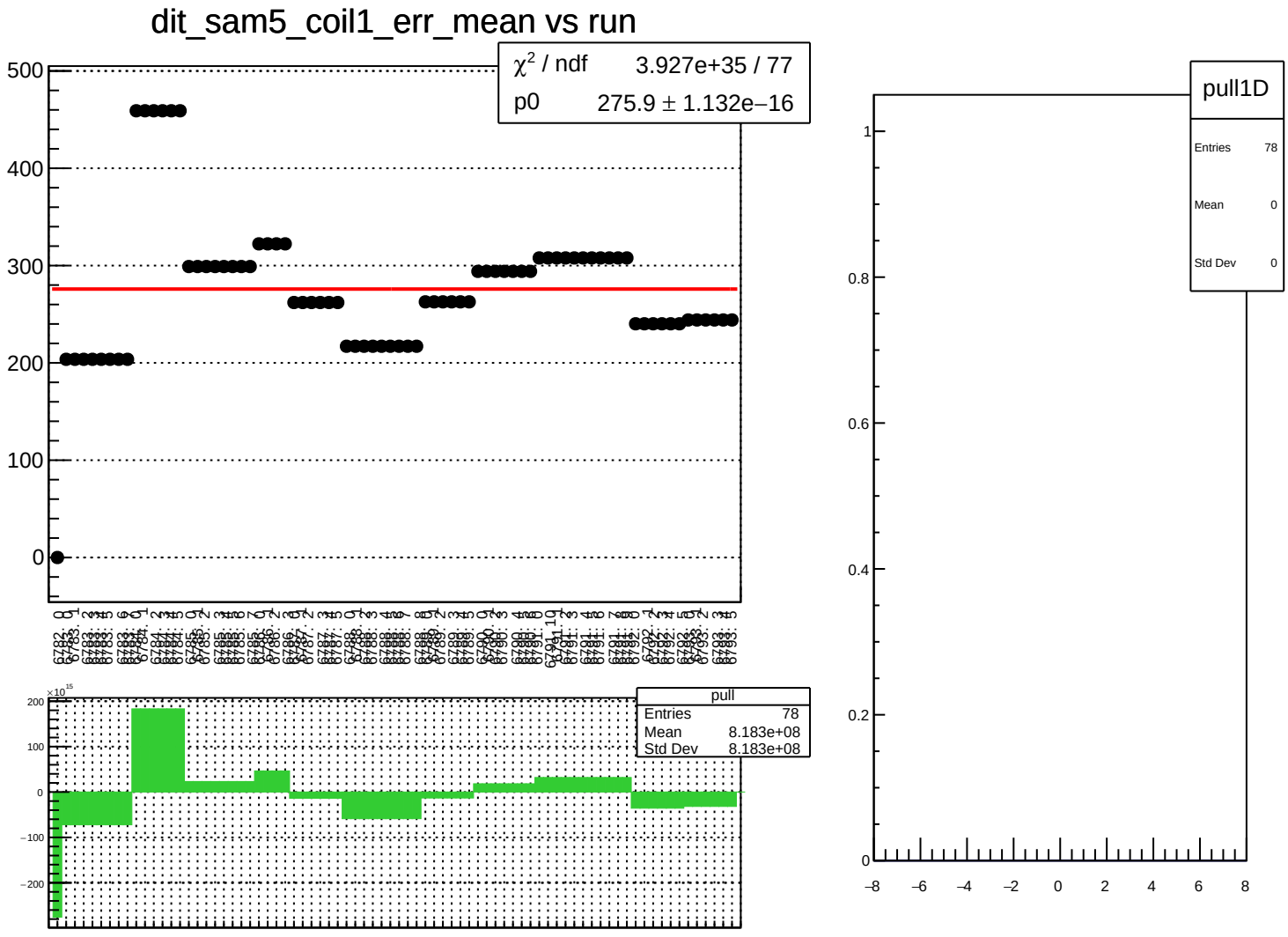

dit_sam4_coil1_err_mean vs run
χ^2 / ndf 2.385e+36 / 77
p0 948.7 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean 1.189e+09
Std Dev 1.189e+09
400
200
0
−200
−400
−600
−800
−1000


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

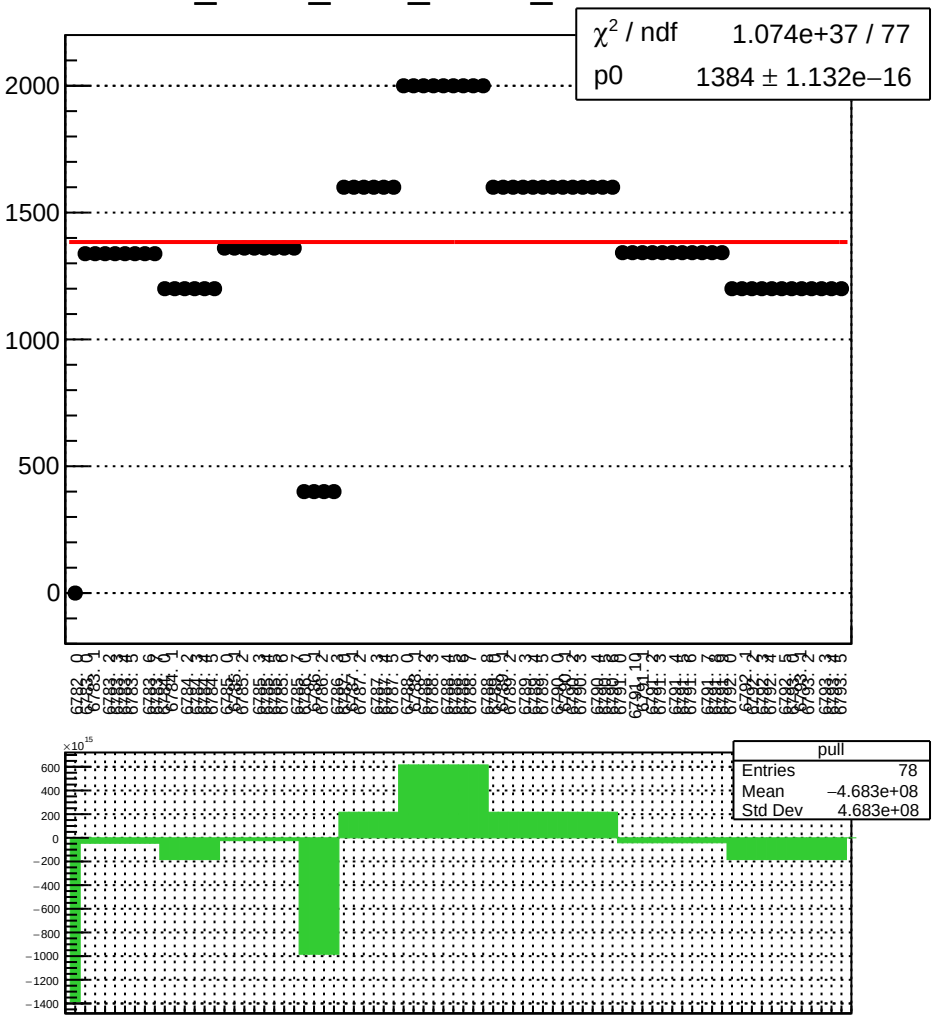

dit_sam4_coil1_Ndata_mean vs run
χ^2 / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

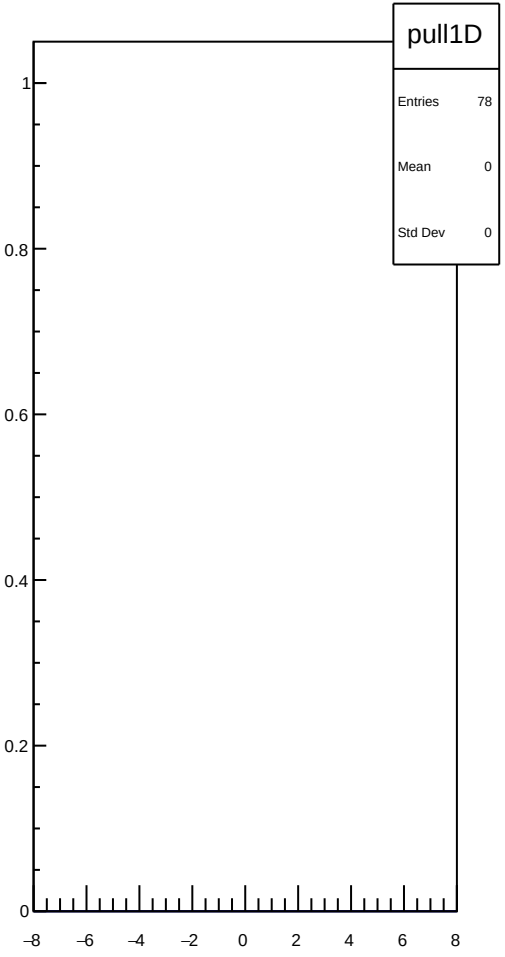

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

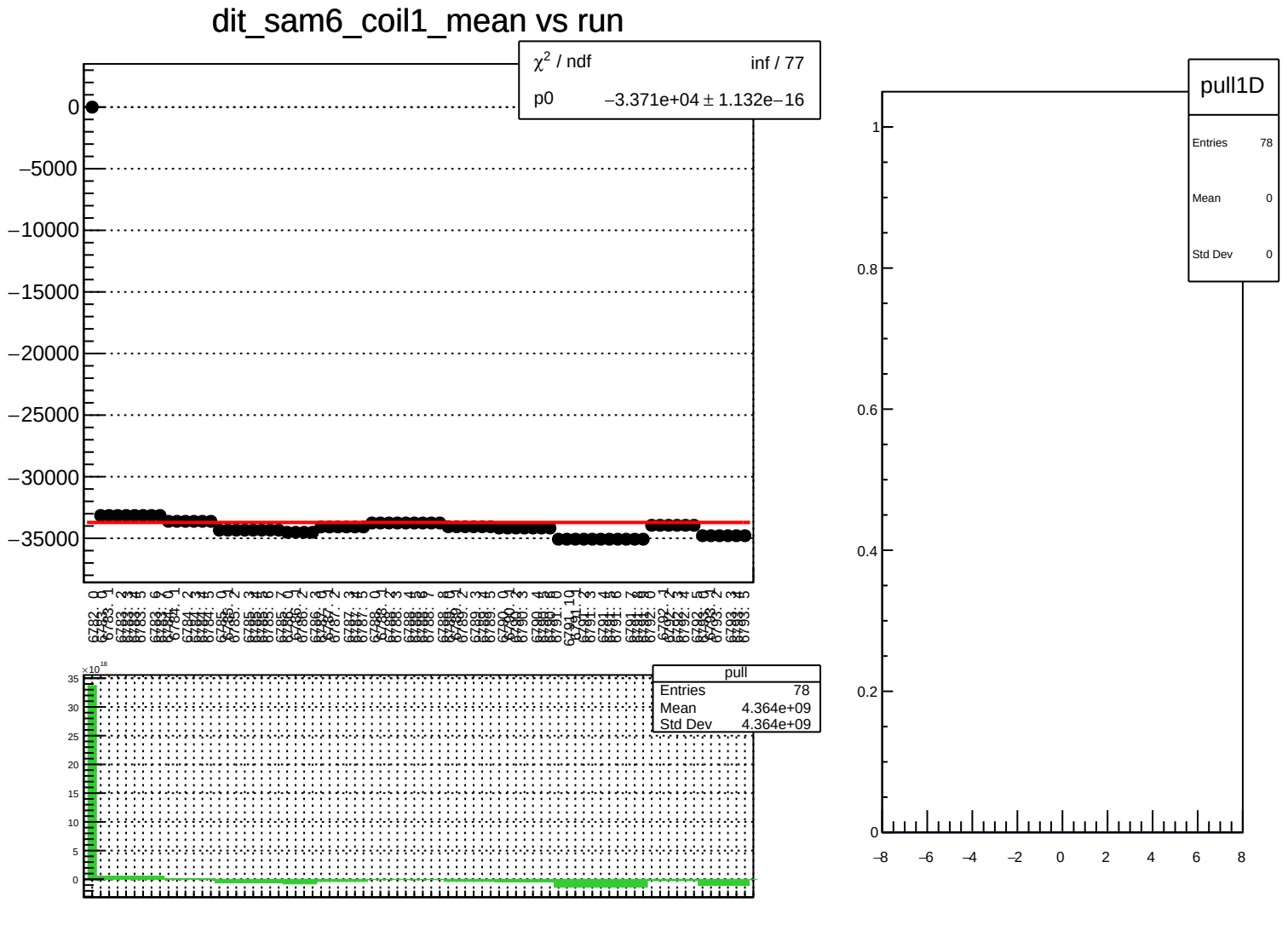

dit_sam5_coil1_mean vs run
χ² / ndf 1.962e+37 / 77
p0 –4279 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 78
Mean 3.027e+10
Std Dev 3.027e+10
×10^15
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

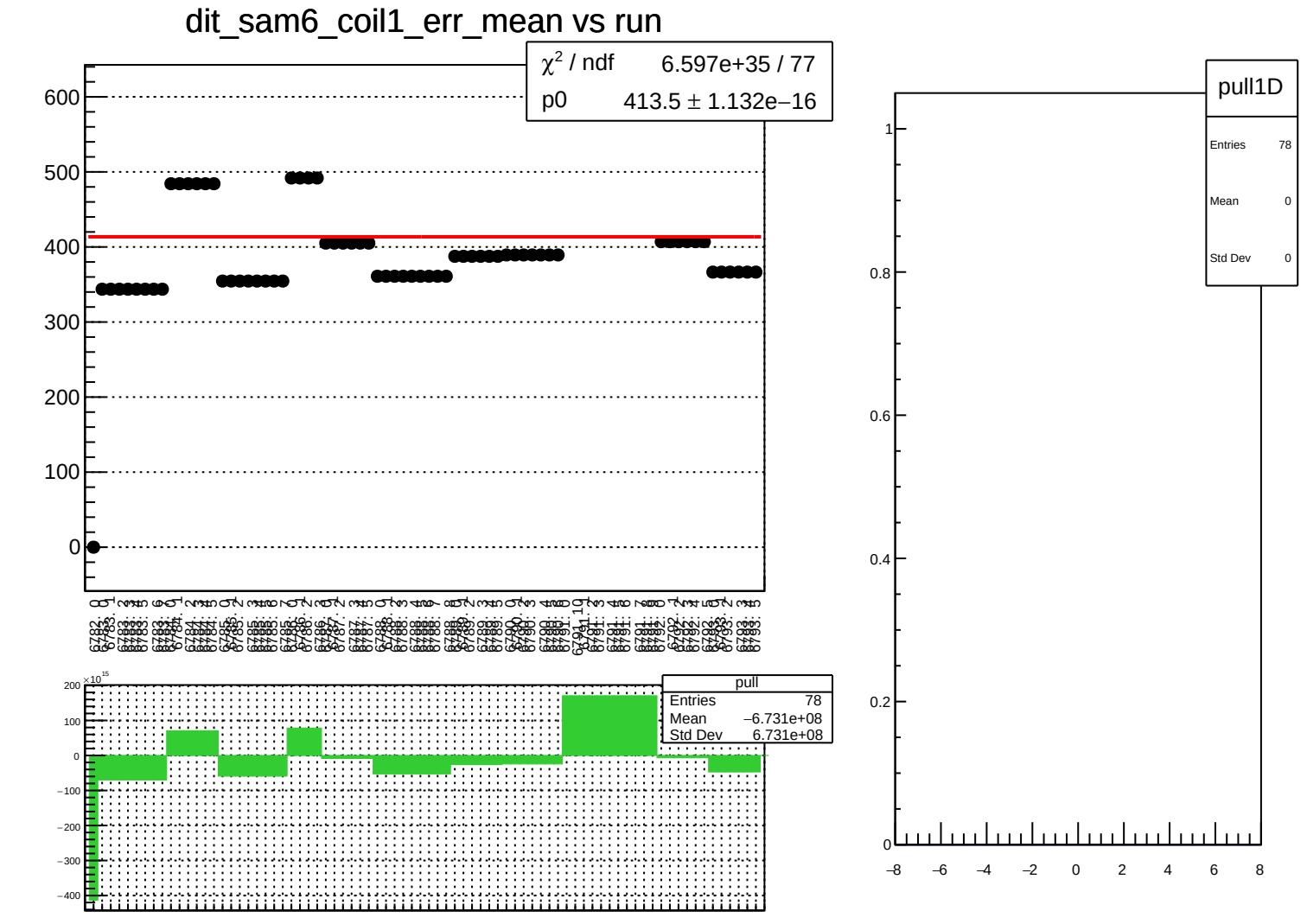

dit_sam5_coil1_err_mean vs run
χ^2 / ndf 3.927e+35 / 77
p0 275.9 ± 1.132e−16
pull
Entries 78
Mean 8.183e+08
Std Dev 8.183e+08
pull1D
Entries 78
Mean 0
Std Dev 0

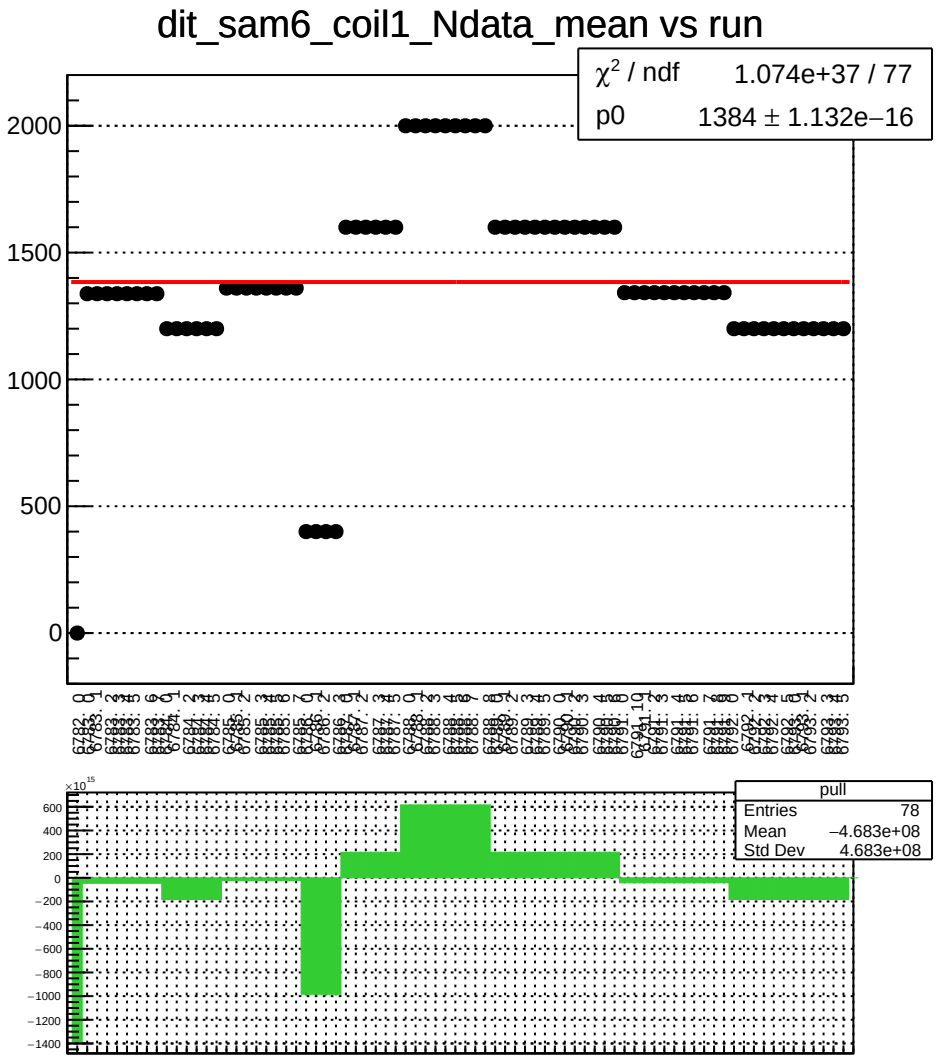
dit_sam5_coil1_Ndata_mean vs run

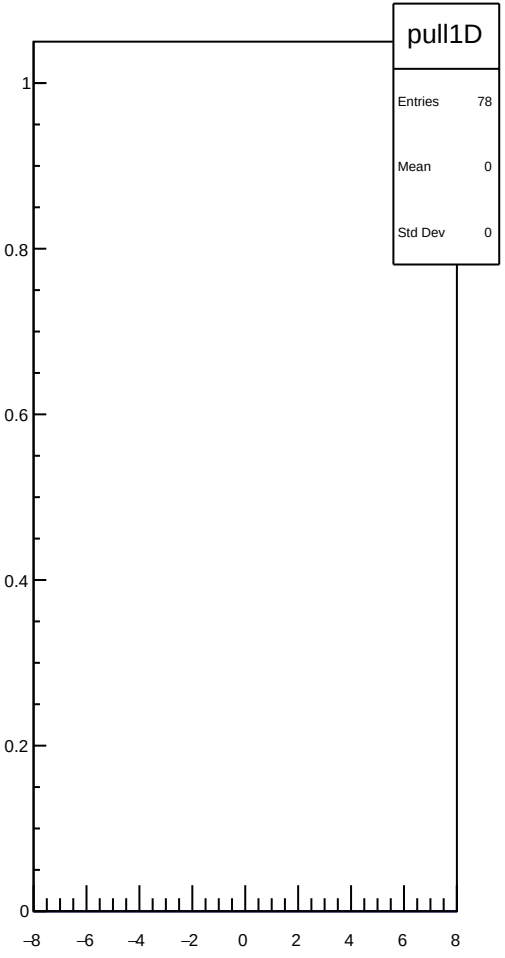


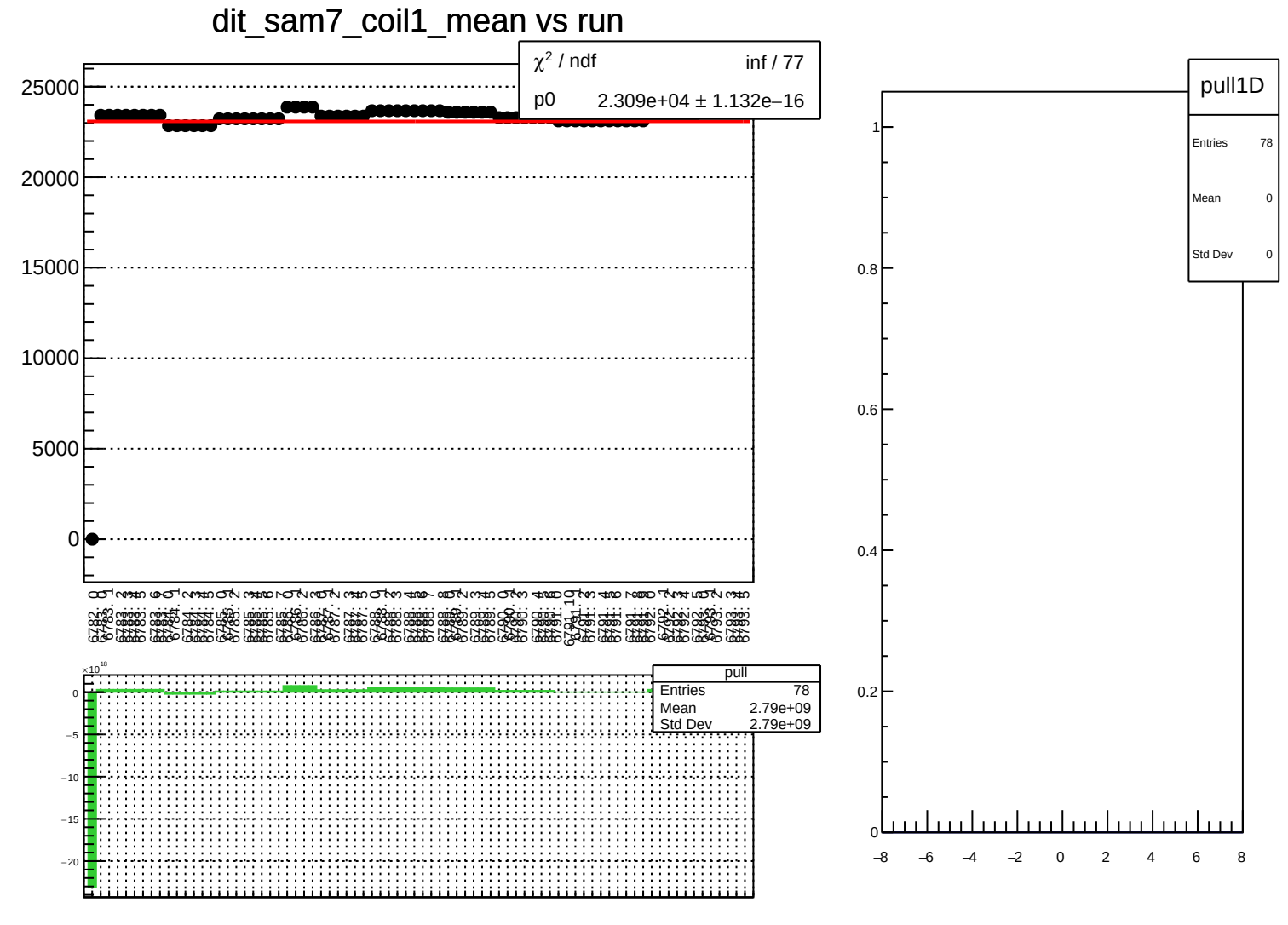


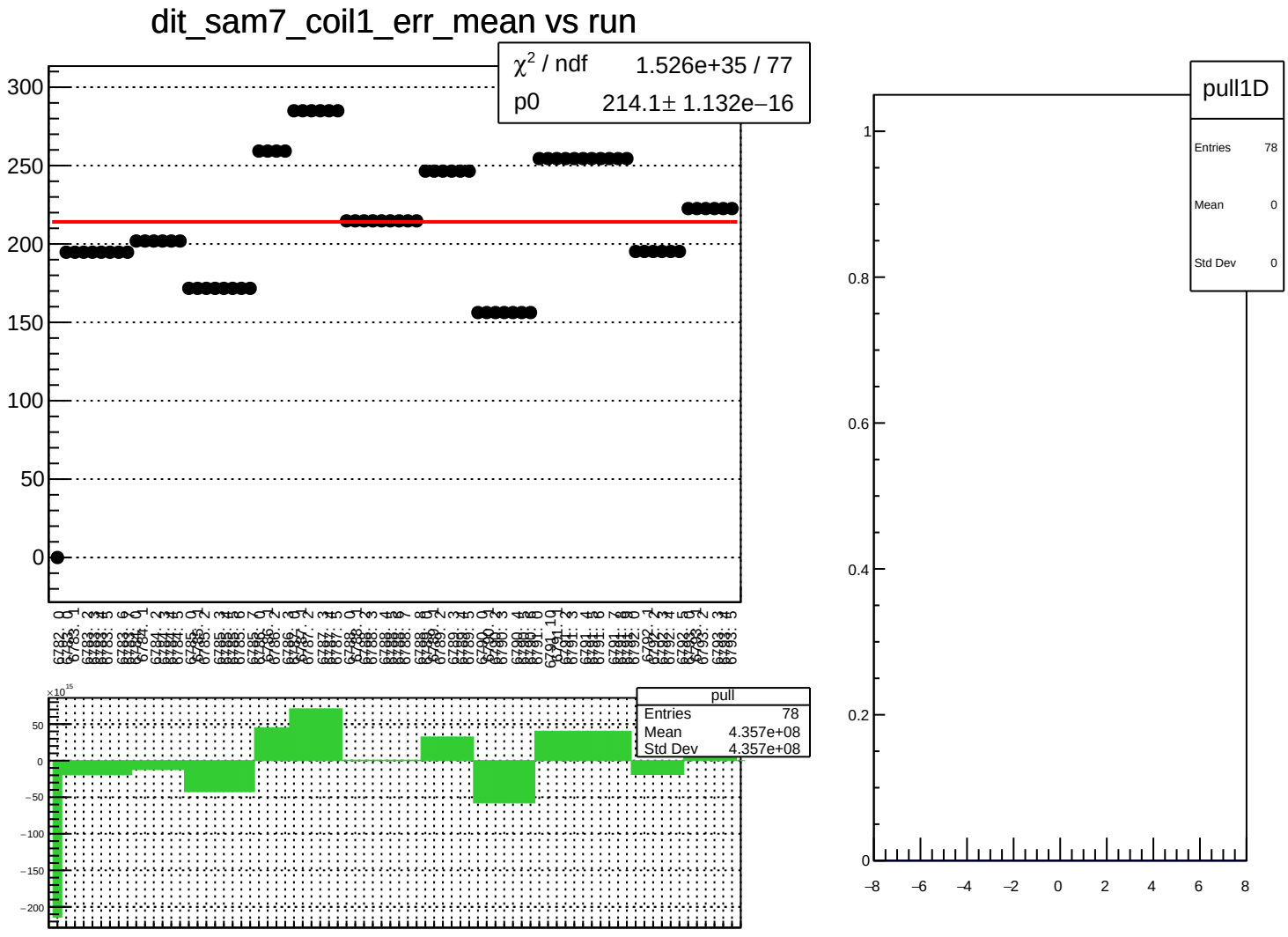

dit_sam6_coil1_mean vs run
χ2 / ndf inf / 77
p0 −3.371e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 78
Mean 4.364e+09
Std Dev 4.364e+09
×10^18
35
30
25
20
15
10
5
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

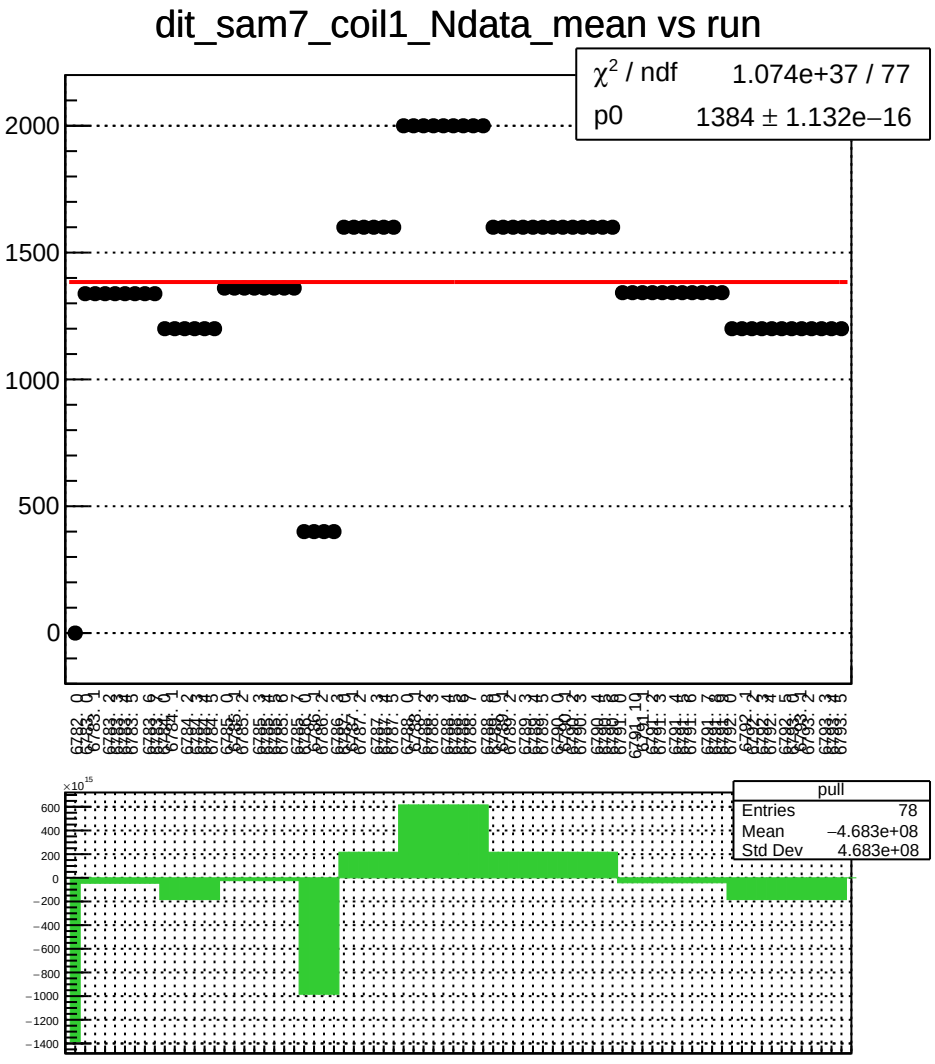

dit_sam6_coil1_err_mean vs run
χ² / ndf 6.597e+35 / 77
p0 413.5 ± 1.132e−16
pull
Entries 78
Mean −6.731e+08
Std Dev 6.731e+08
pull1D
Entries 78
Mean 0
Std Dev 0

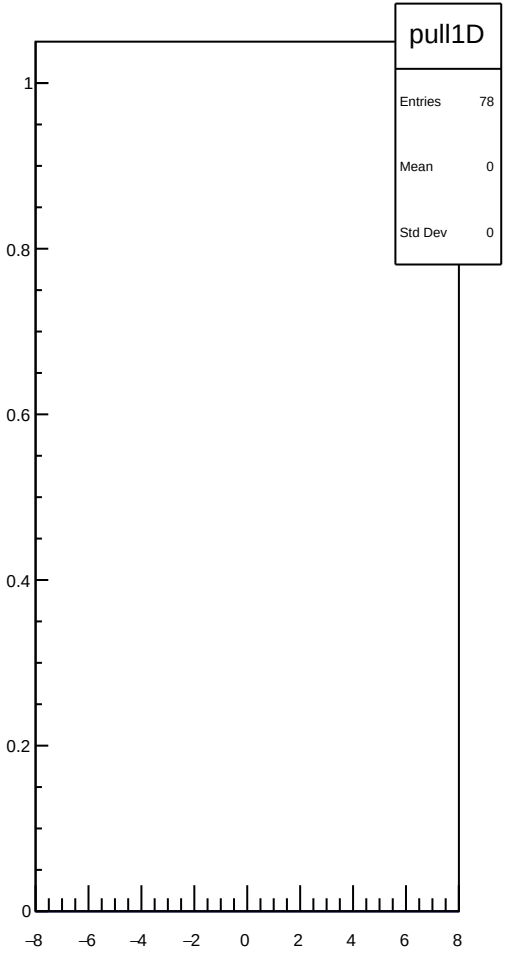

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

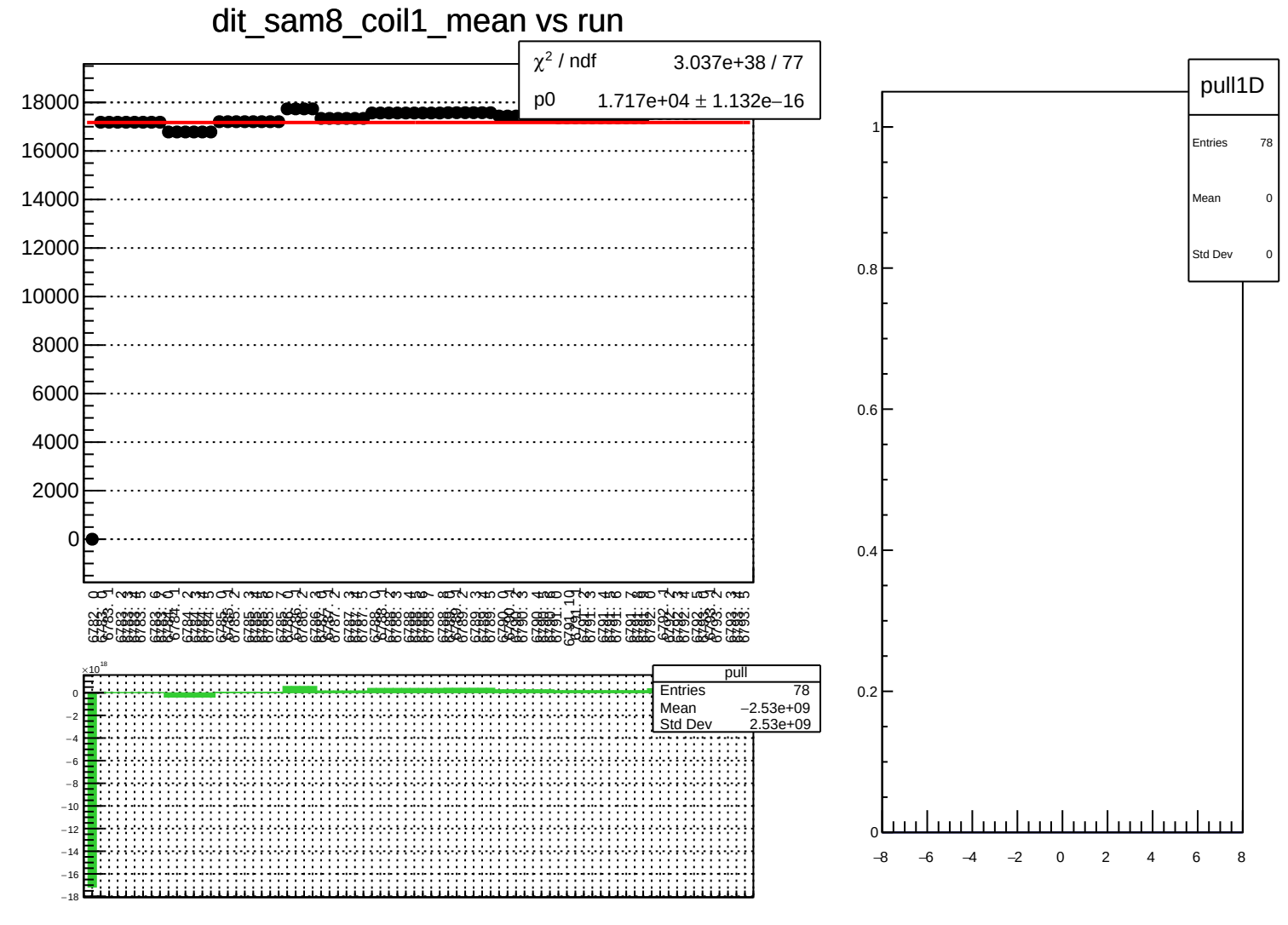

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

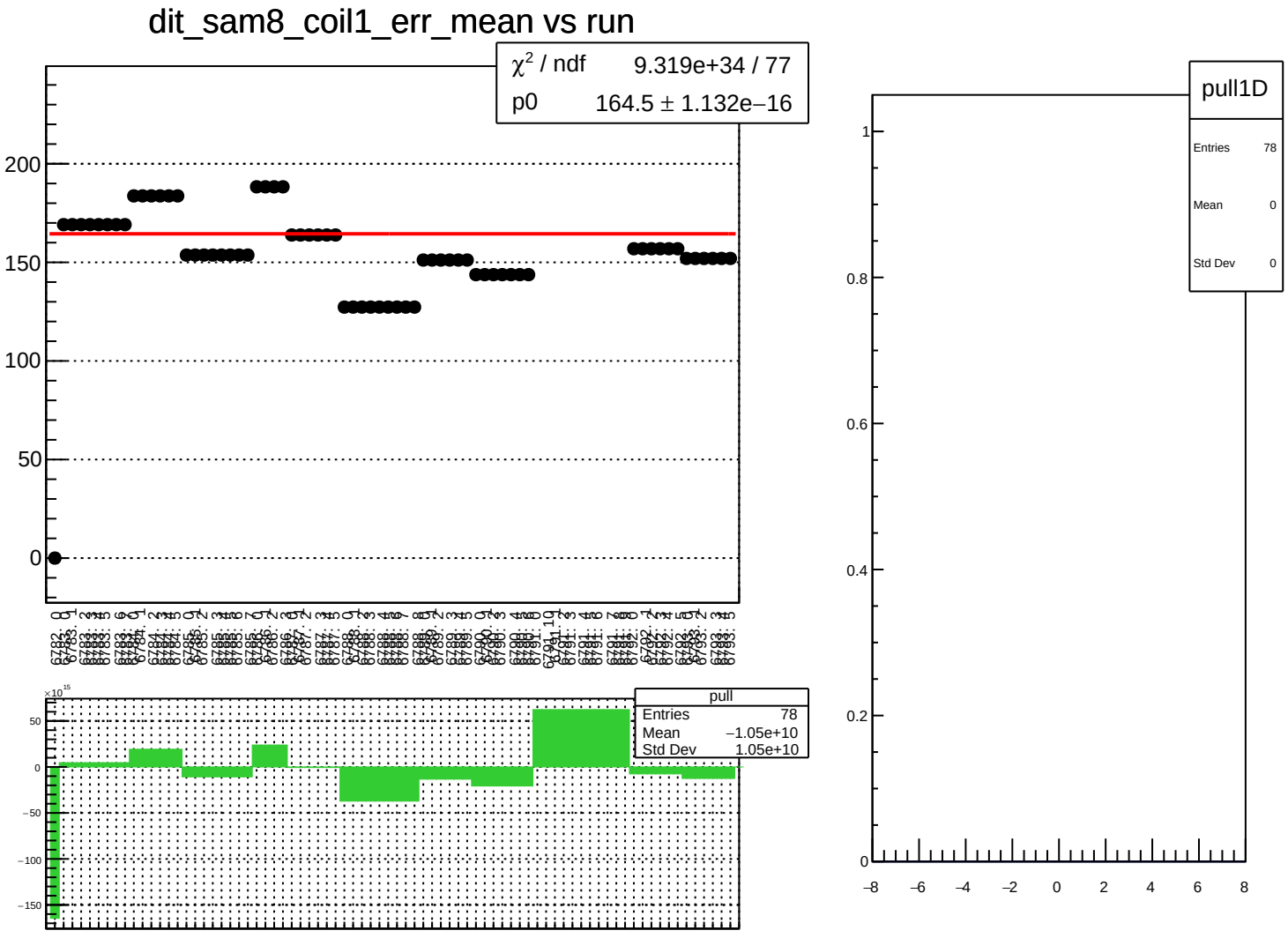

dit_sam7_coil1_mean vs run
χ² / ndf inf / 77
p0 2.309e+04 ± 1.132e−16
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.79e+09
Std Dev 2.79e+09
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil1_err_mean vs run
χ² / ndf 1.526e+35 / 77
p0 214.1± 1.132e−16
pull
Entries 78
Mean 4.357e+08
Std Dev 4.357e+08
pull1D
Entries 78
Mean 0
Std Dev 0

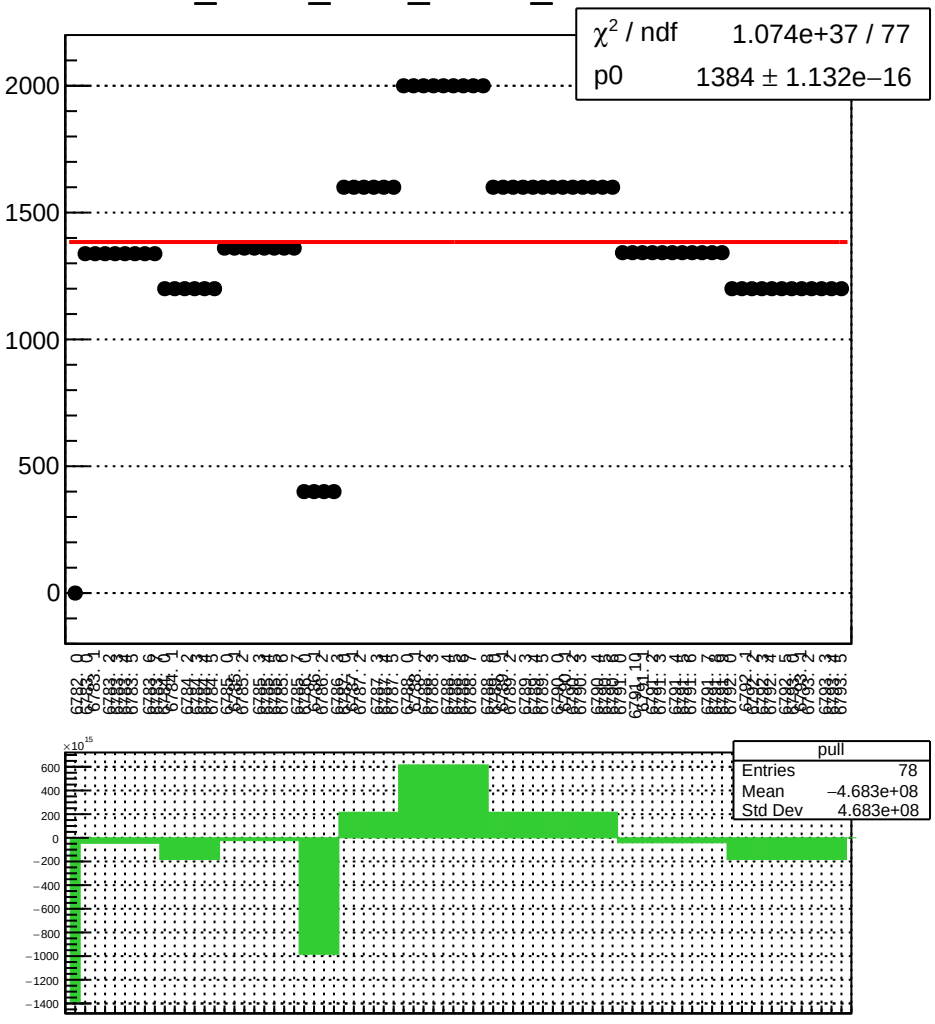

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

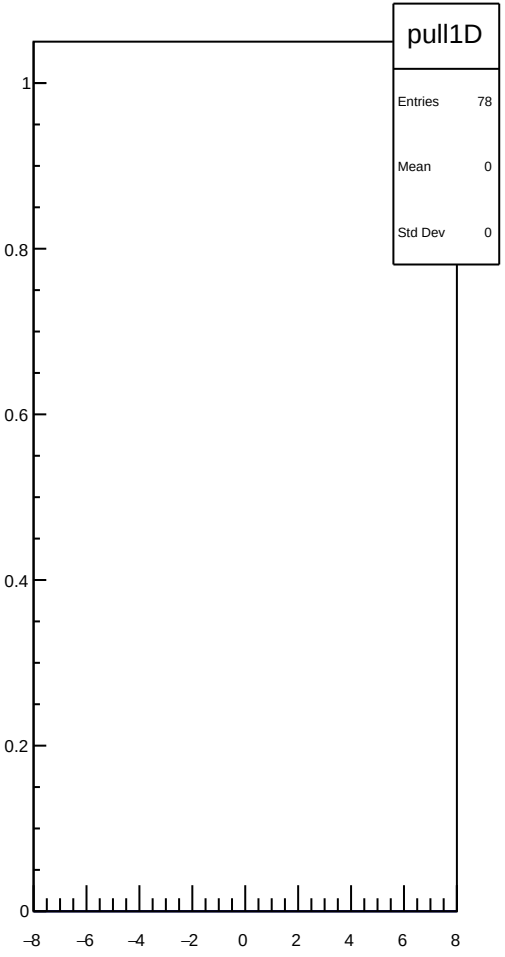

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_coil1_mean vs run
χ² / ndf 3.037e+38 / 77
p0 1.717e+04 ± 1.132e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −2.53e+09
Std Dev 2.53e+09
×10^18
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

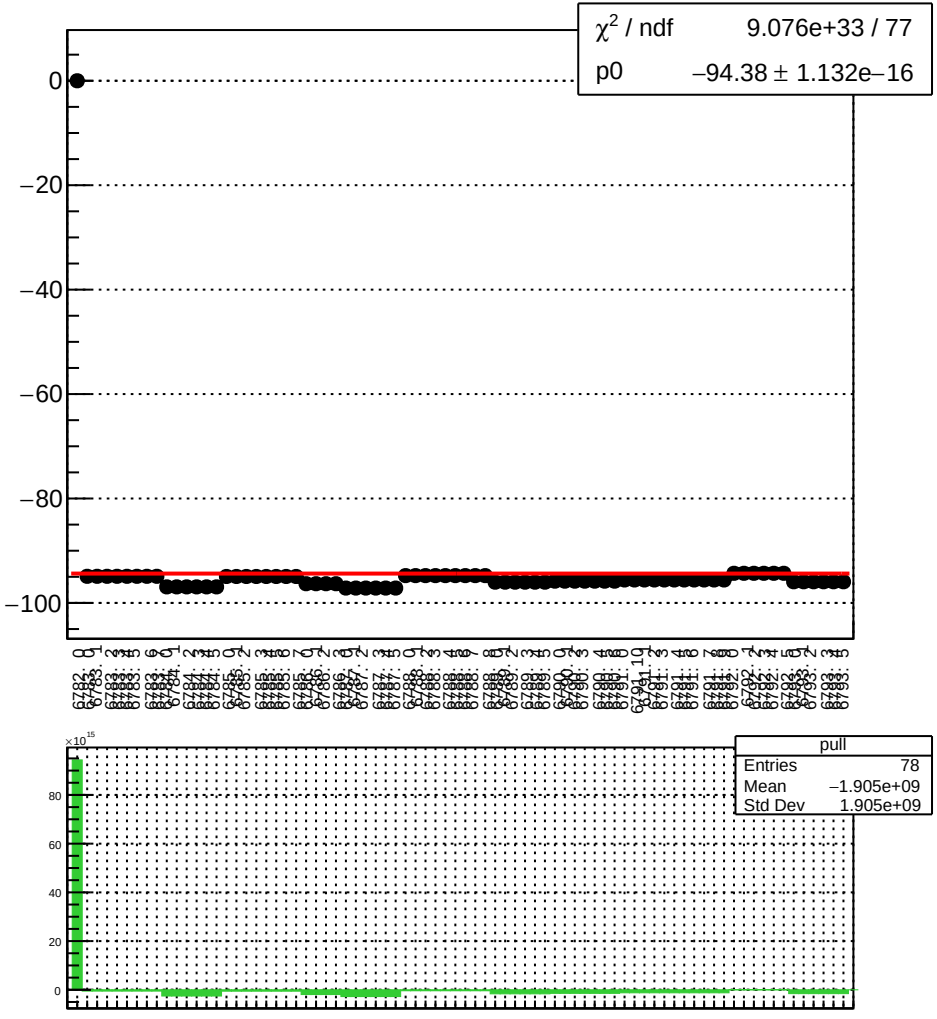

dit_sam8_coil1_err_mean vs run
χ^2 / ndf 9.319e+34 / 77
p0 164.5 ± 1.132e−16
pull
Entries 78
Mean −1.05e+10
Std Dev 1.05e+10
pull1D
Entries 78
Mean 0
Std Dev 0

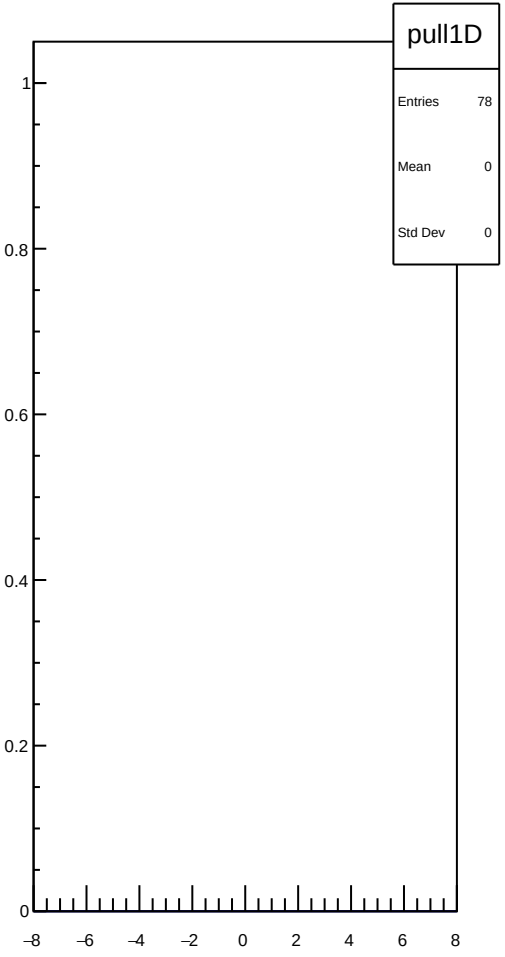
dit_sam8_coil1_Ndata_mean vs run



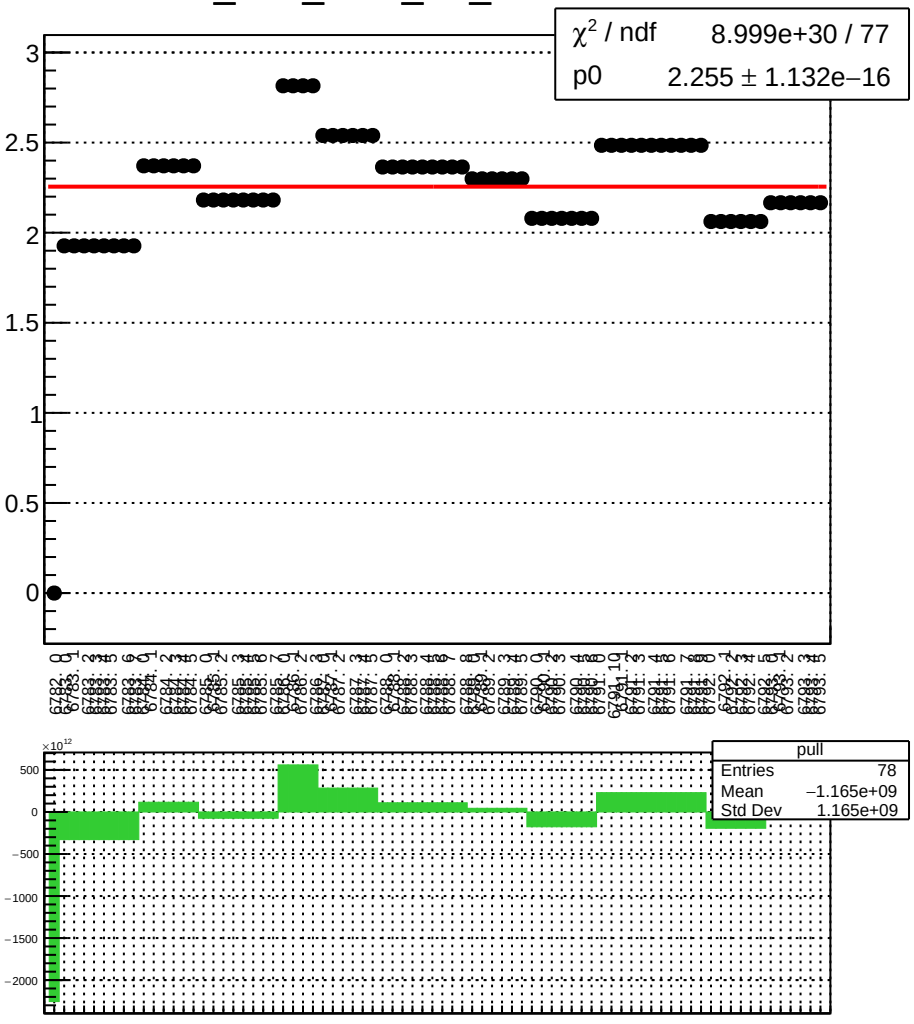


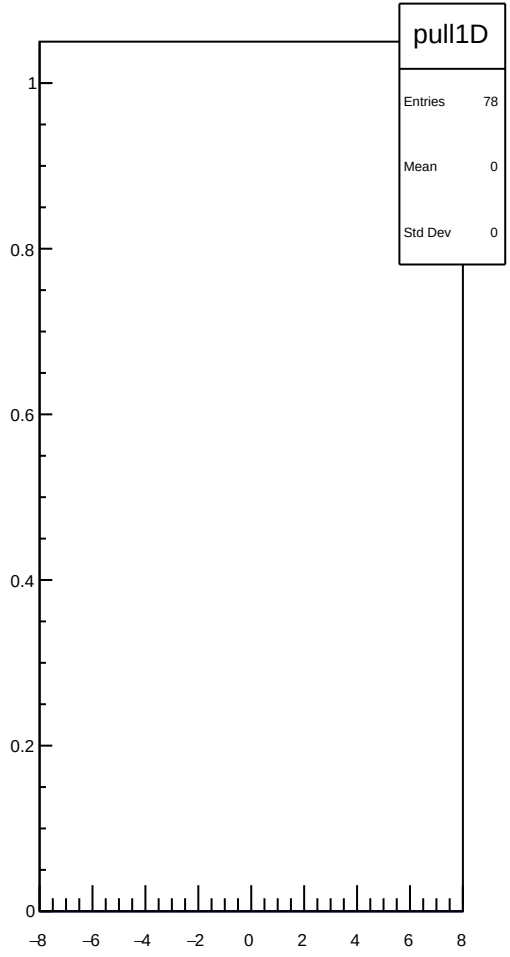
dit_4aX_coil3_mean vs run

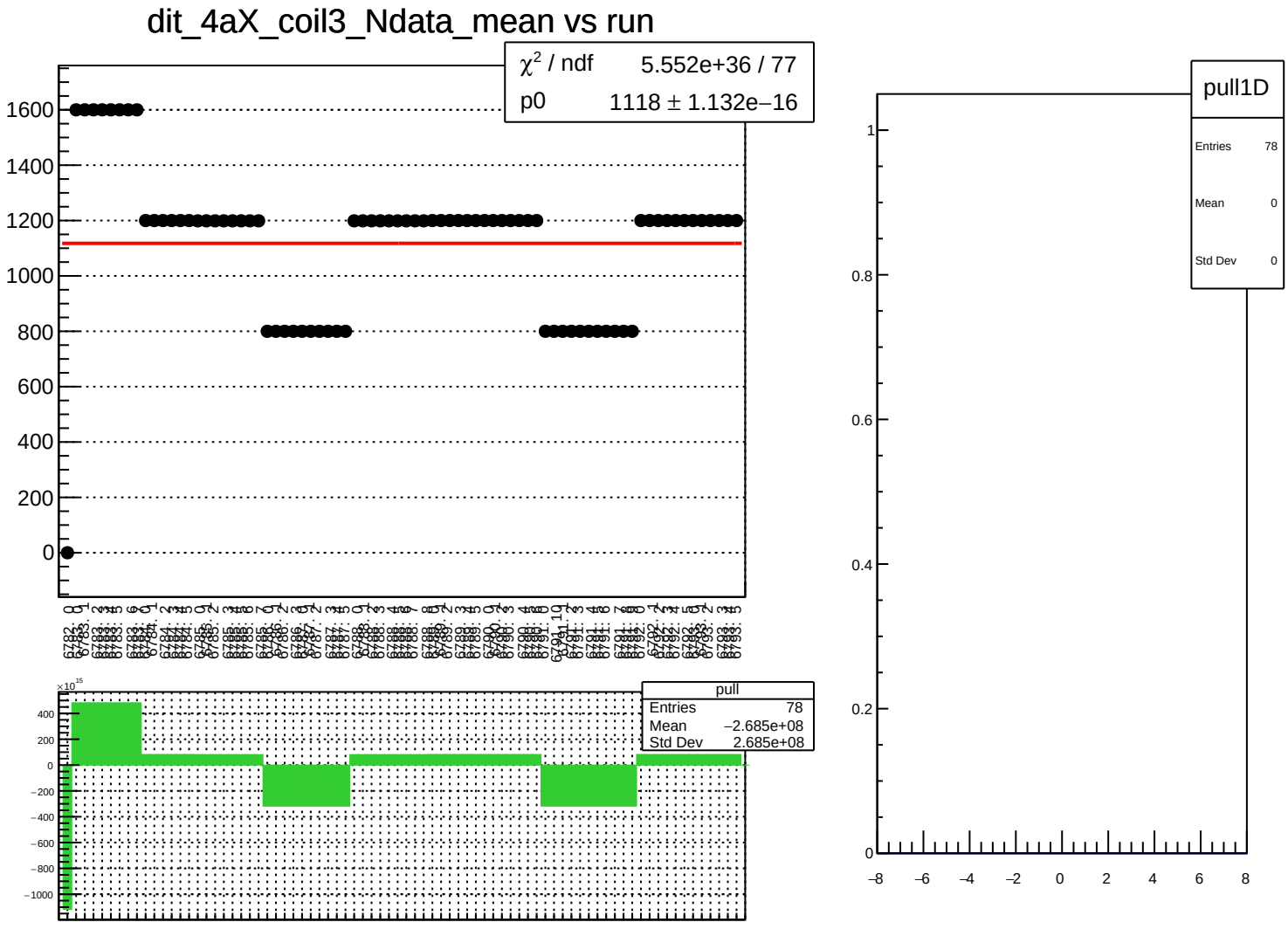




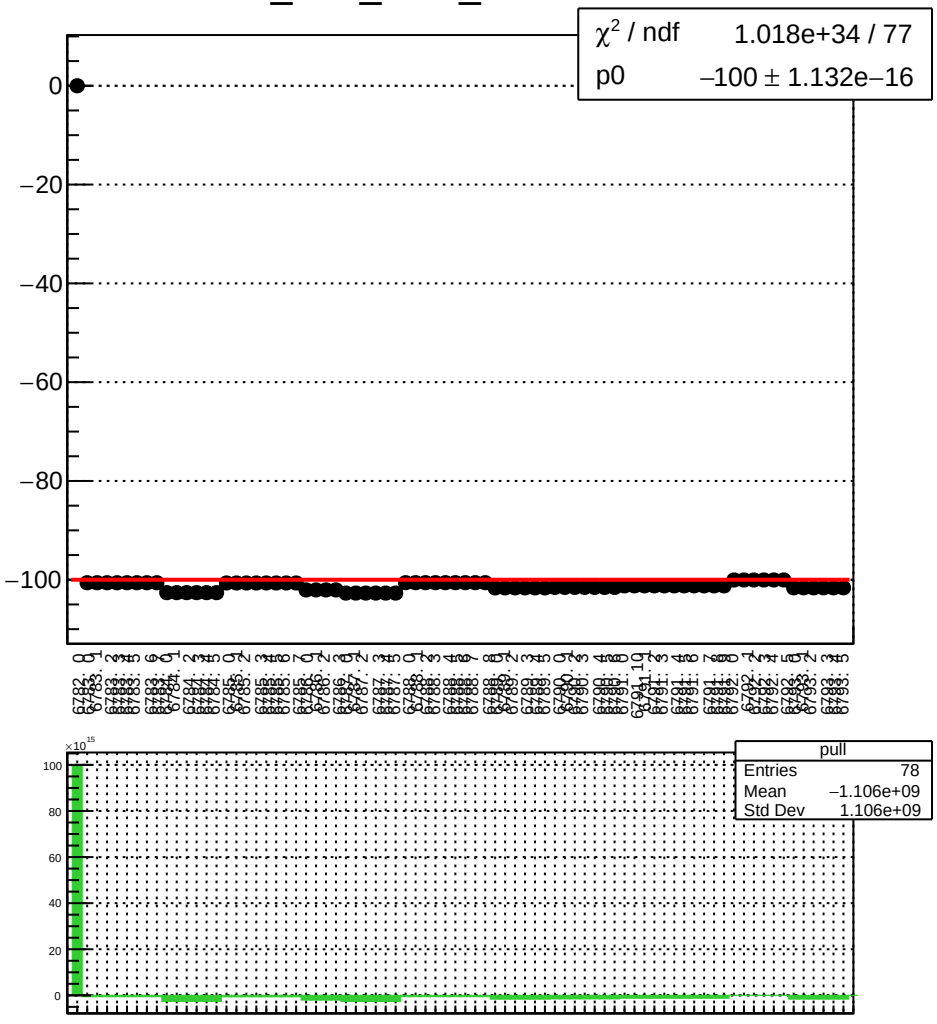
dit_4aX_coil3_err_mean vs run

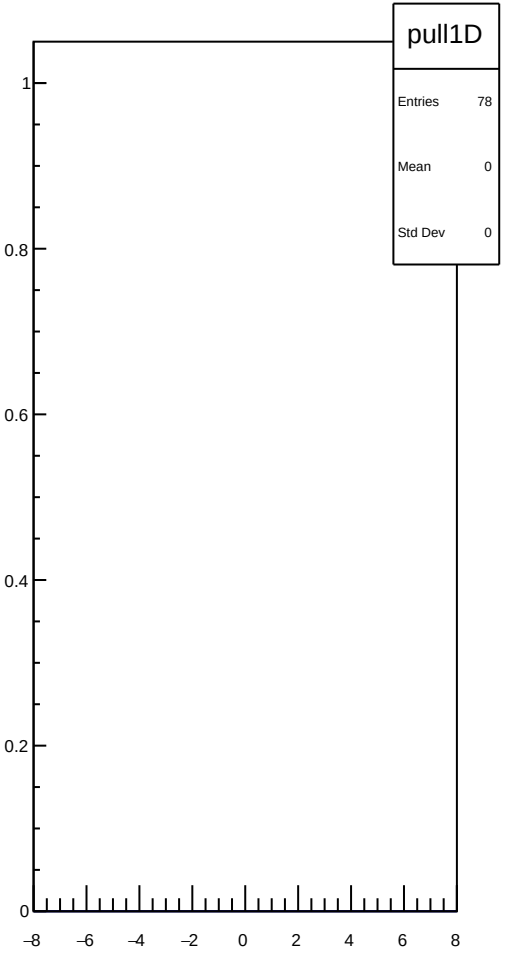




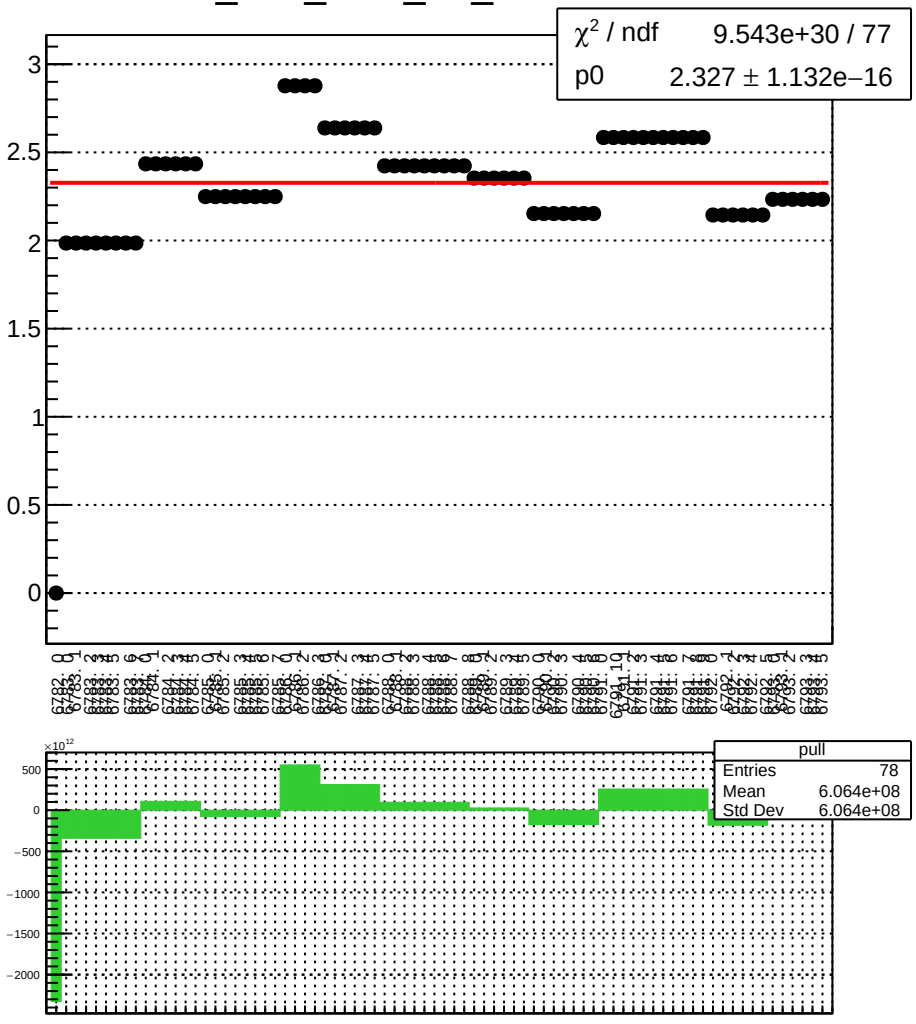

dit_4aX_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

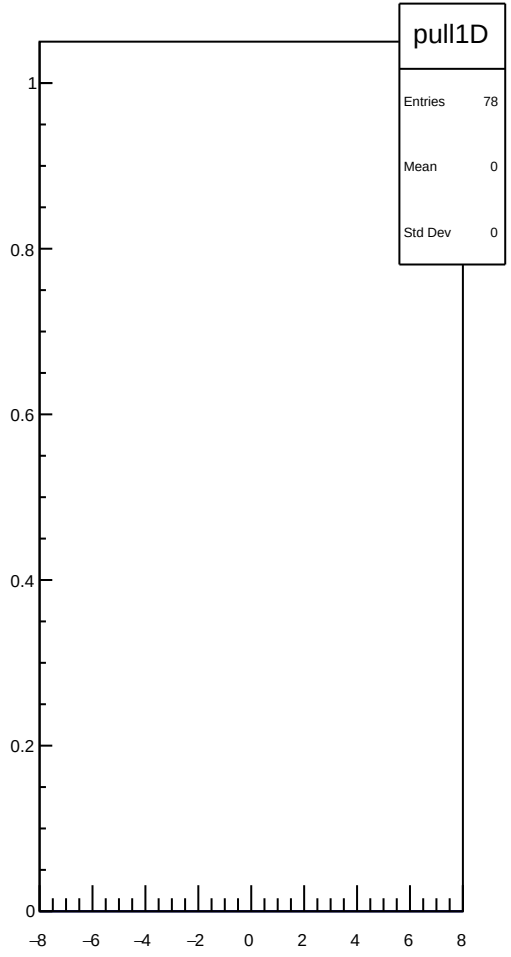
dit_4eX_coil3_mean vs run



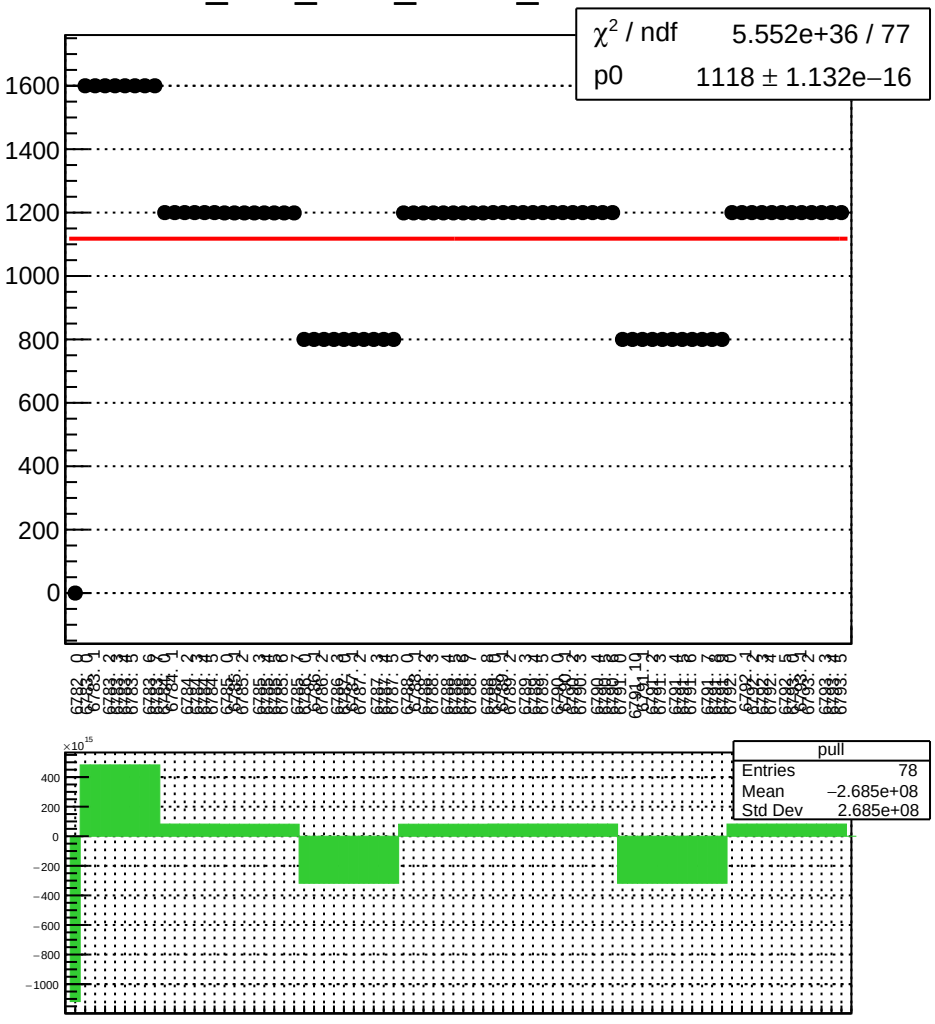


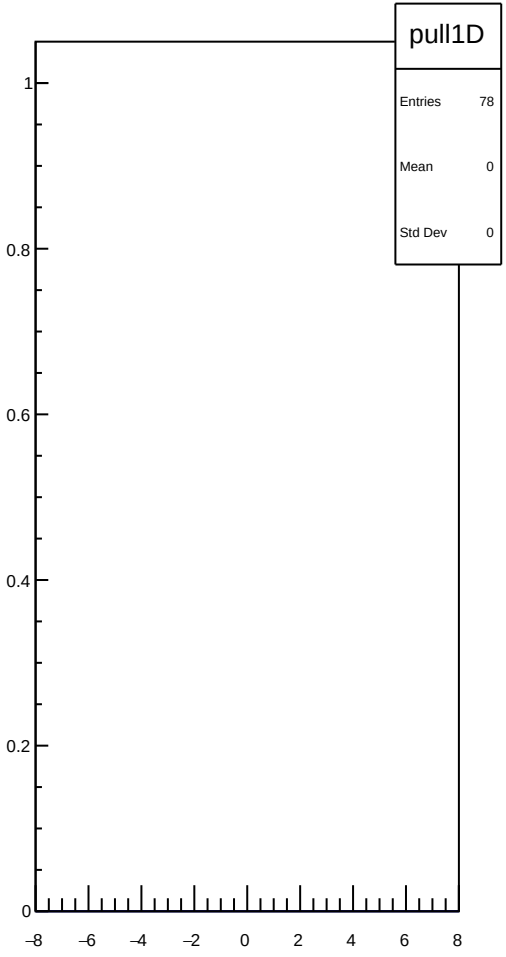
dit_4eX_coil3_err_mean vs run



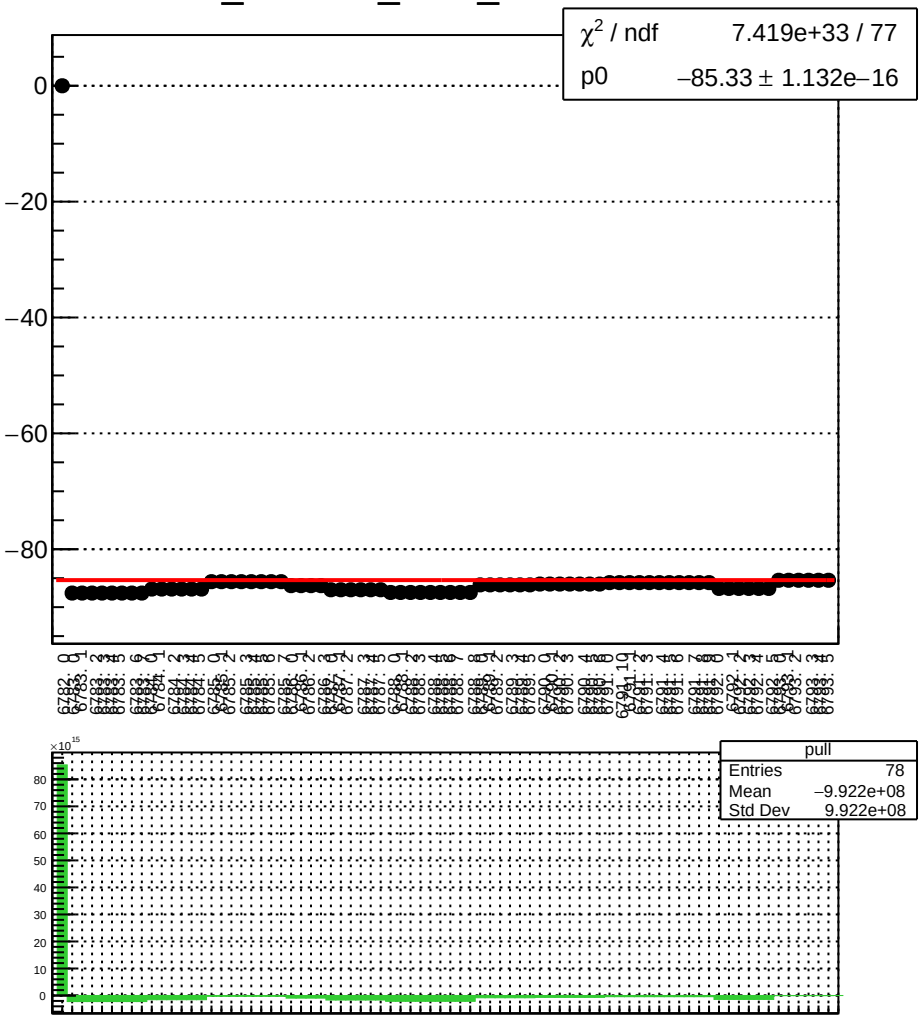


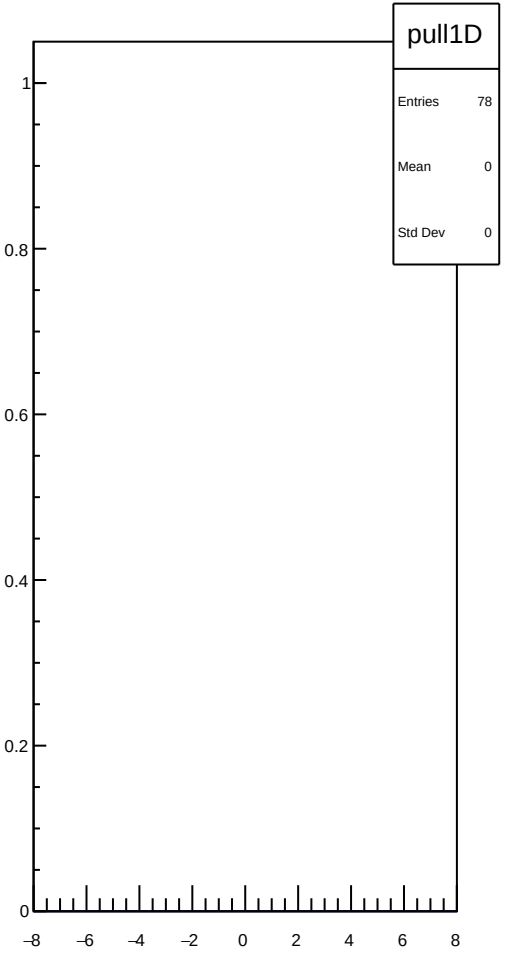
dit_4eX_coil3_Ndata_mean vs run



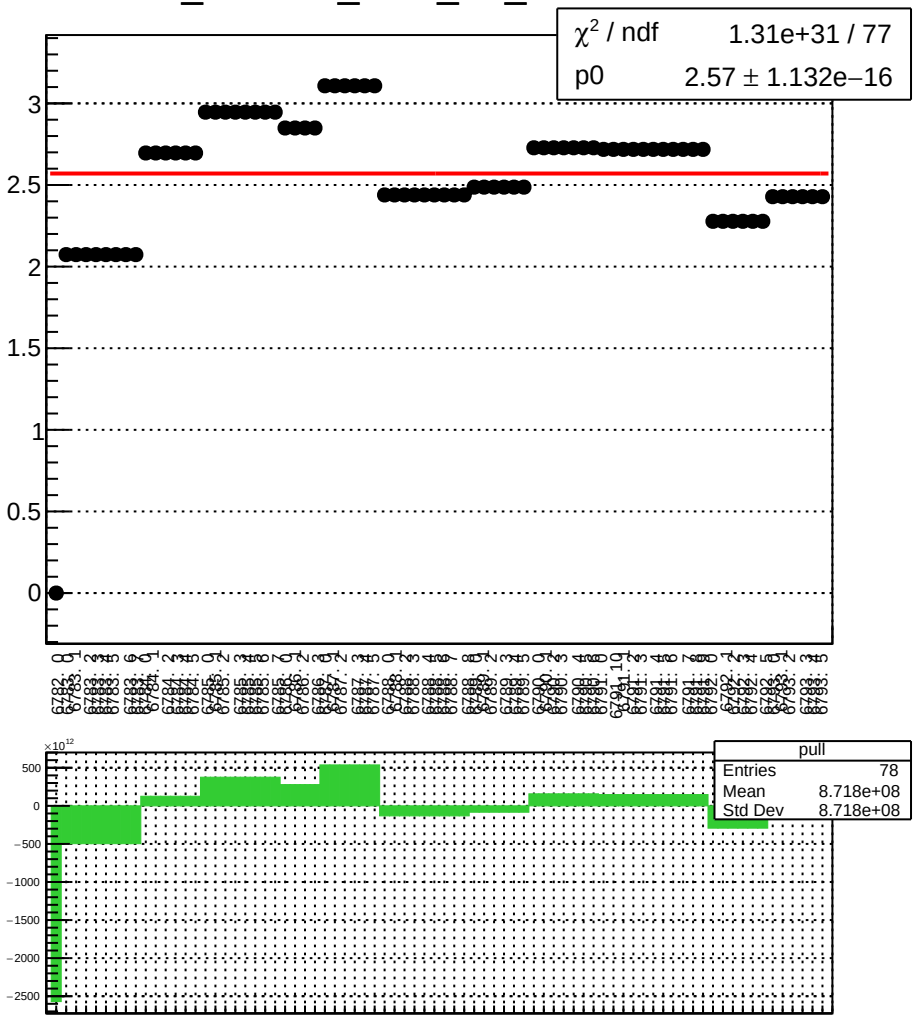


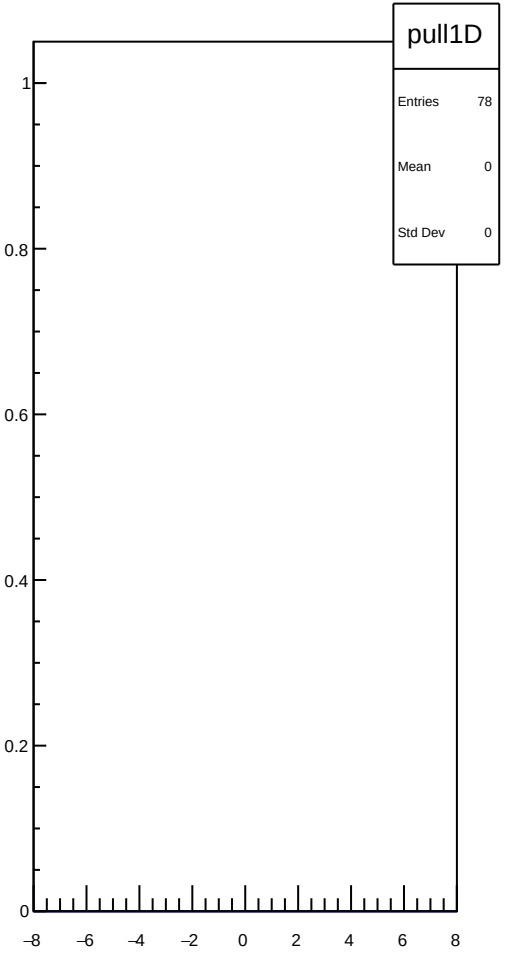
dit_11X12X_coil3_mean vs run



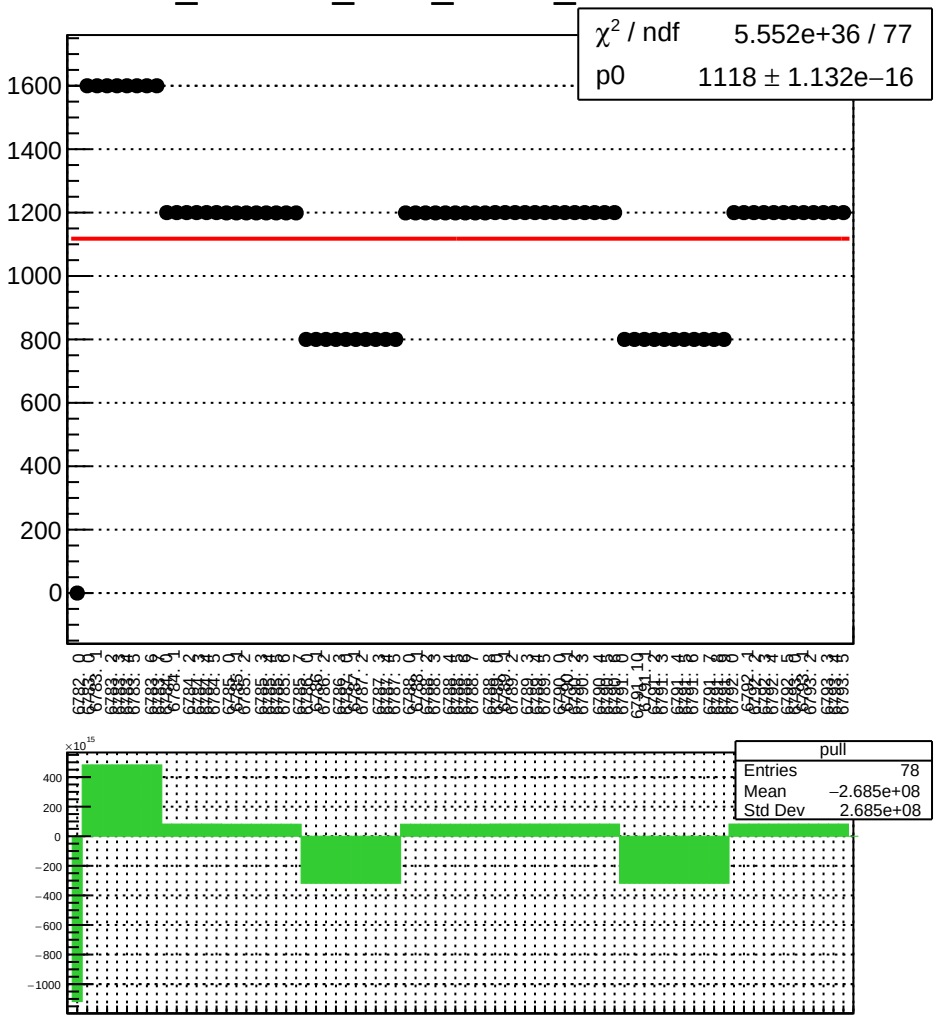


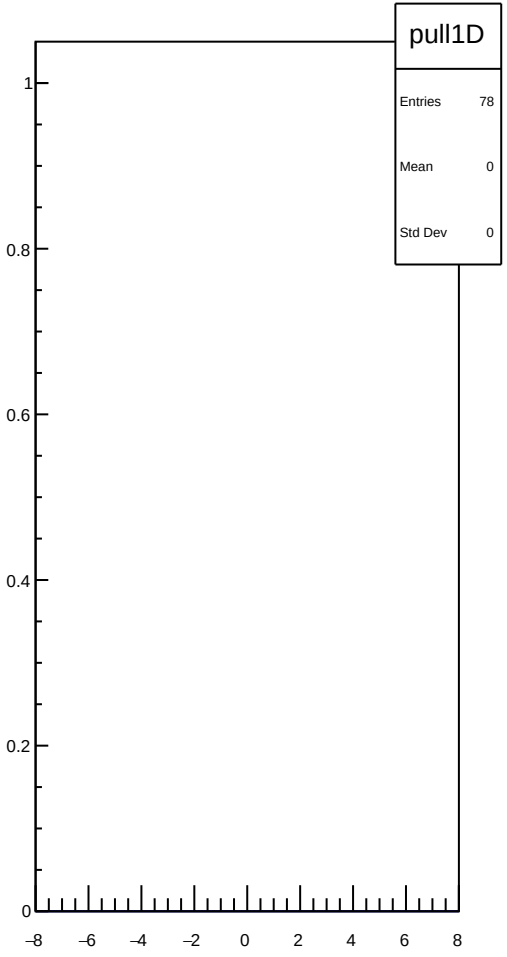
dit_11X12X_coil3_err_mean vs run

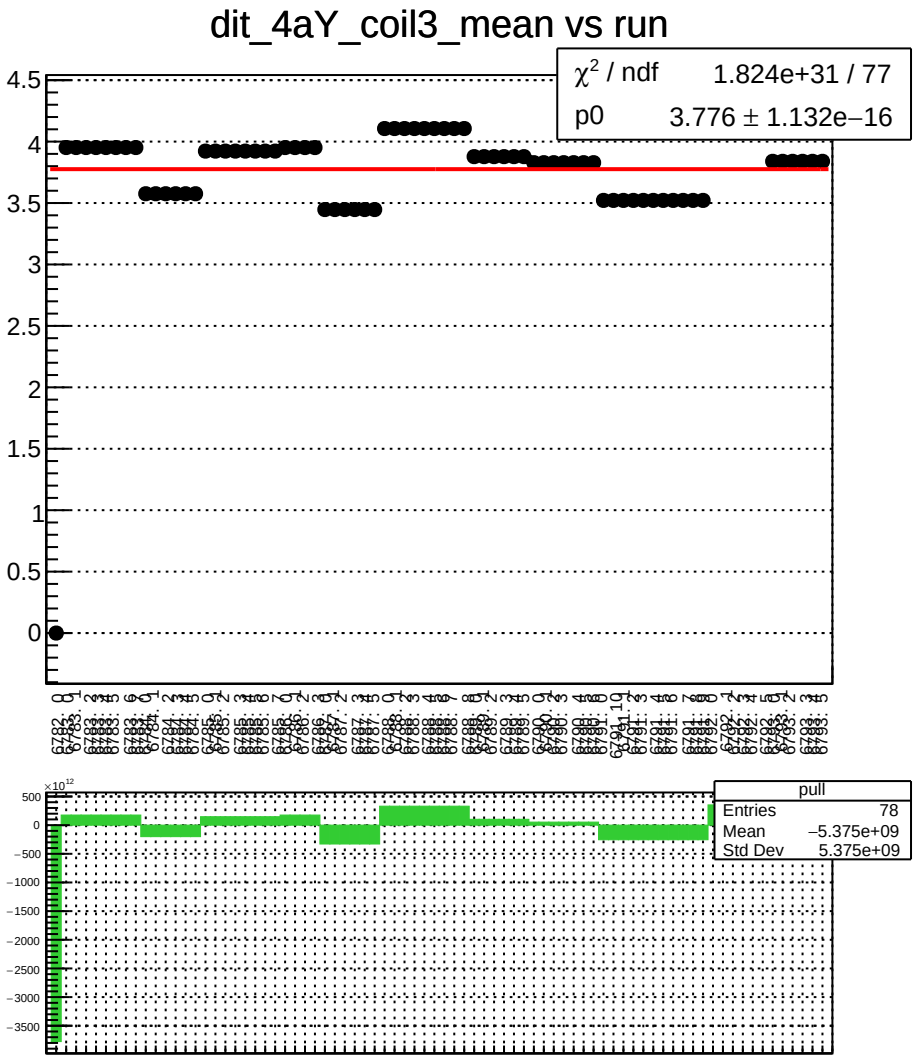


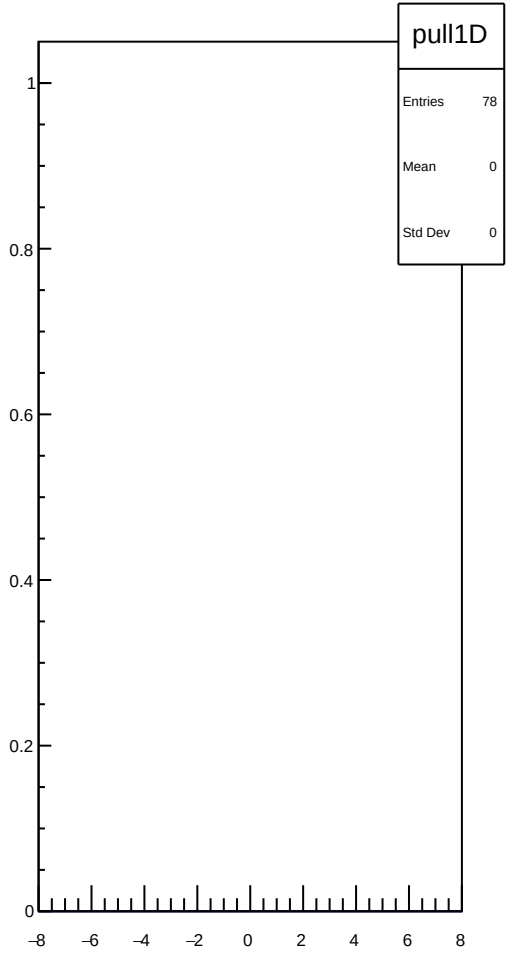


dit_11X12X_coil3_Ndata_mean vs run

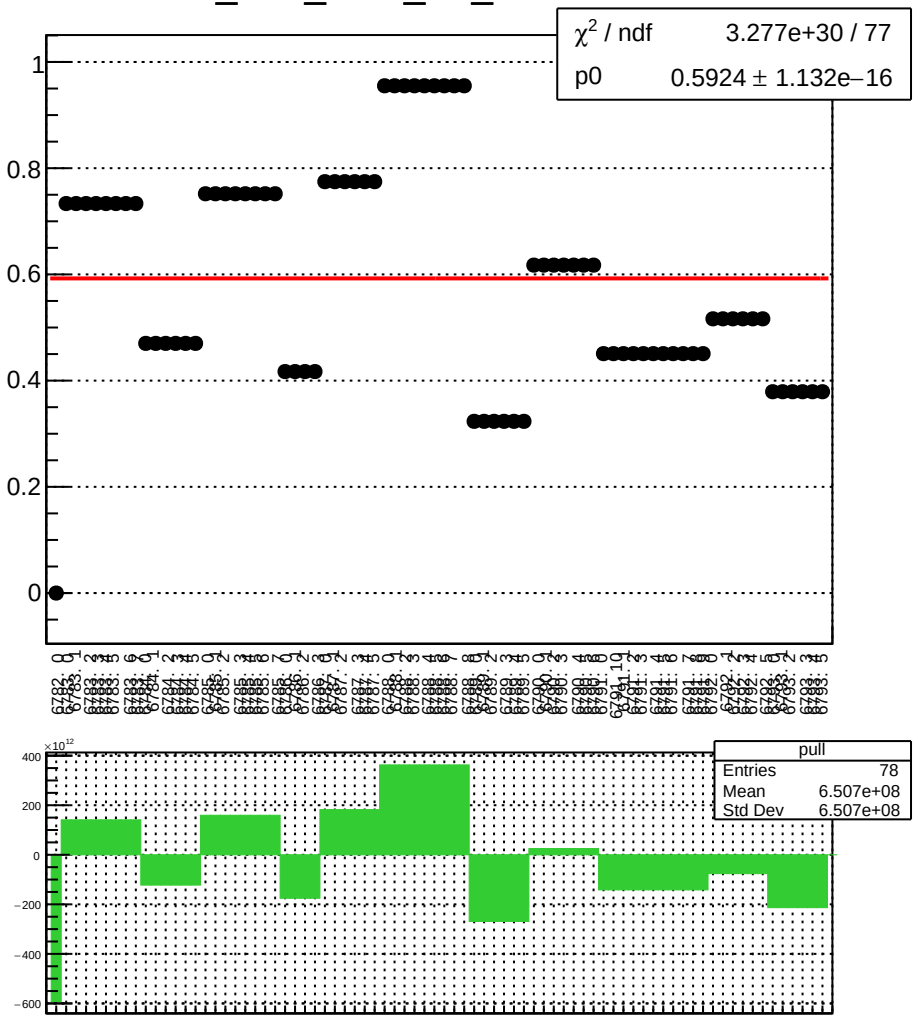


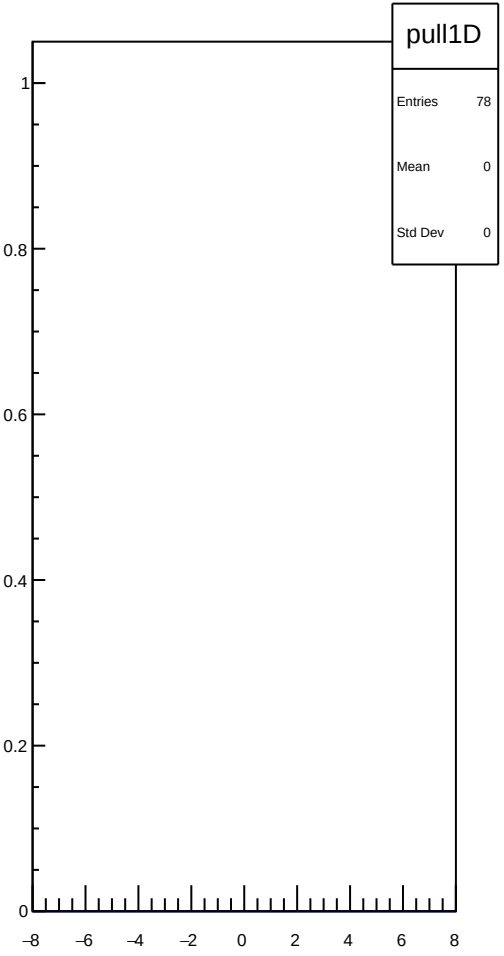


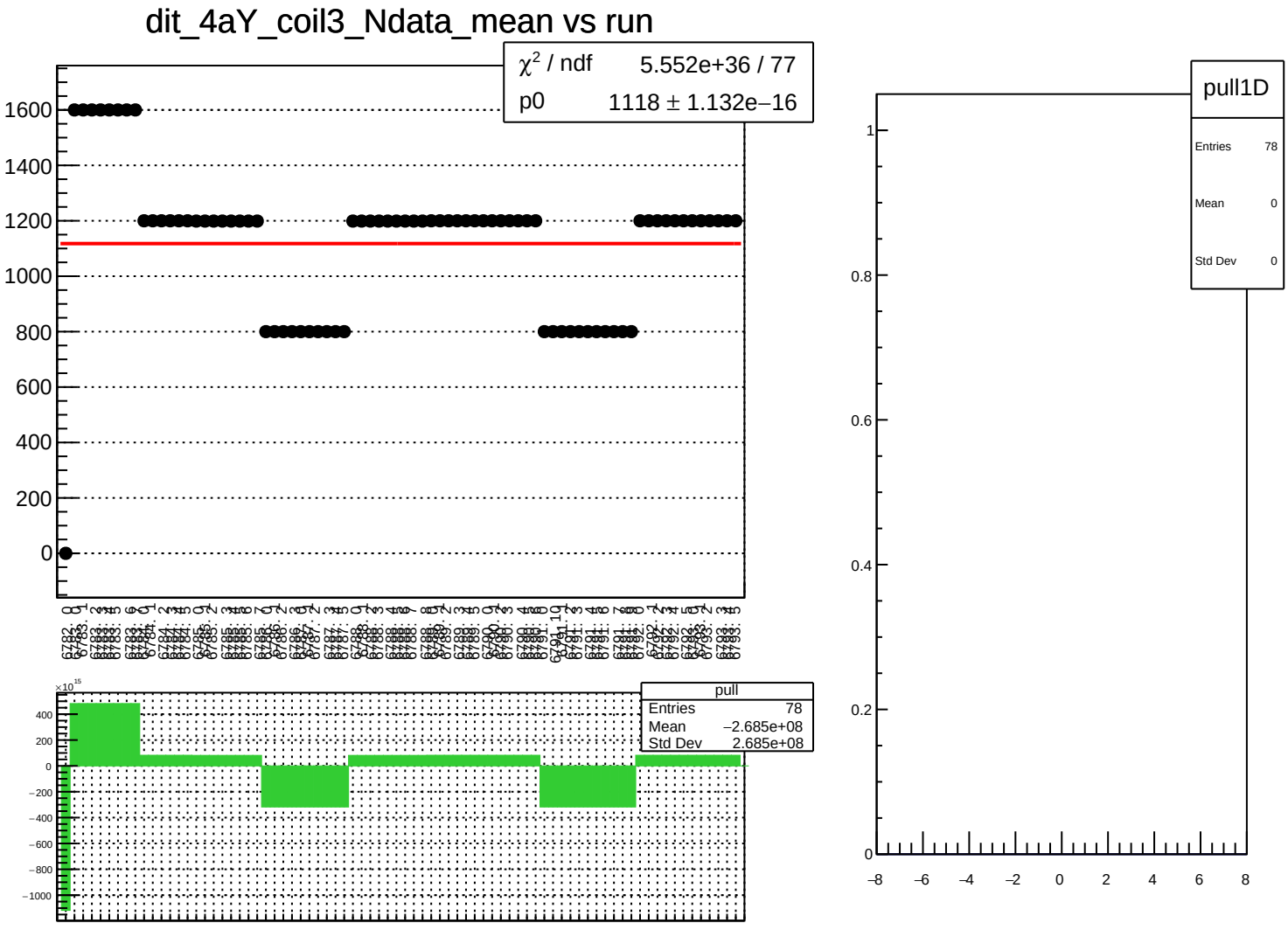

dit_4aY_coil3_mean vs run
χ^2 / ndf 1.824e+31 / 77
p0 3.776 ± 1.132e−16
pull
Entries 78
Mean −5.375e+09
Std Dev 5.375e+09


pull1D
Entries 78
Mean 0
Std Dev 0

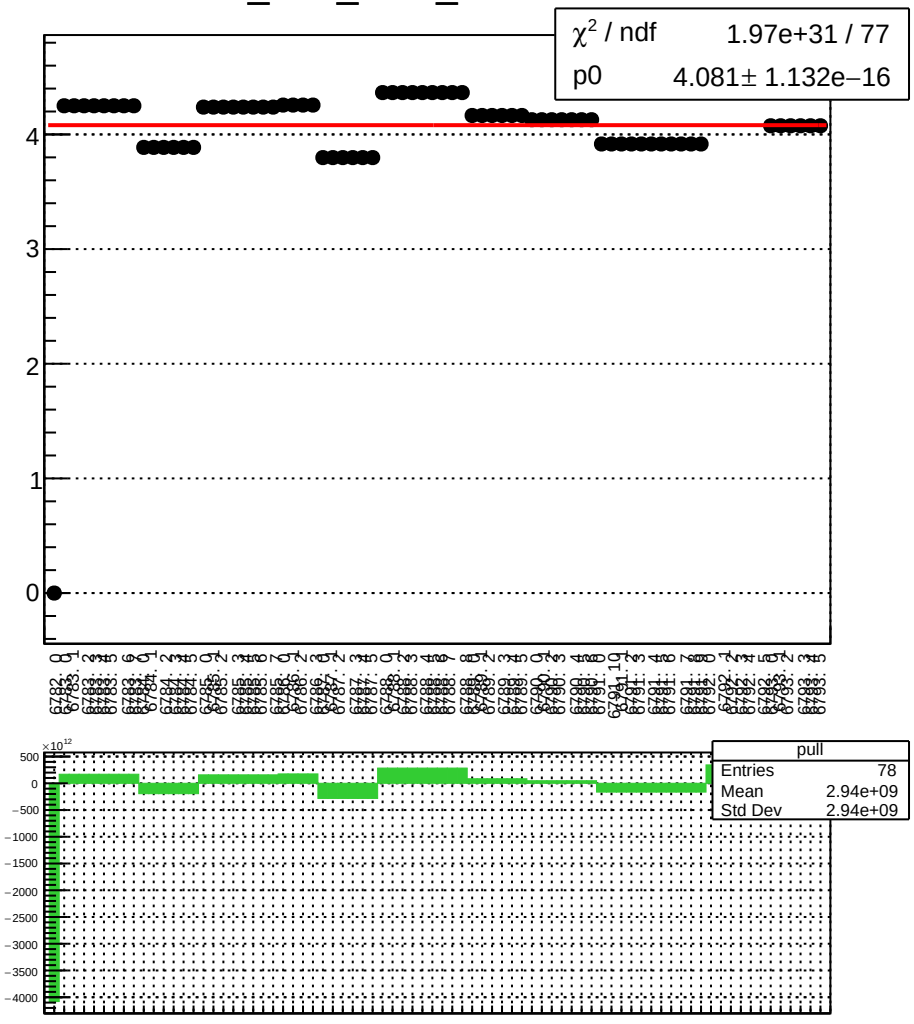
dit_4aY_coil3_err_mean vs run

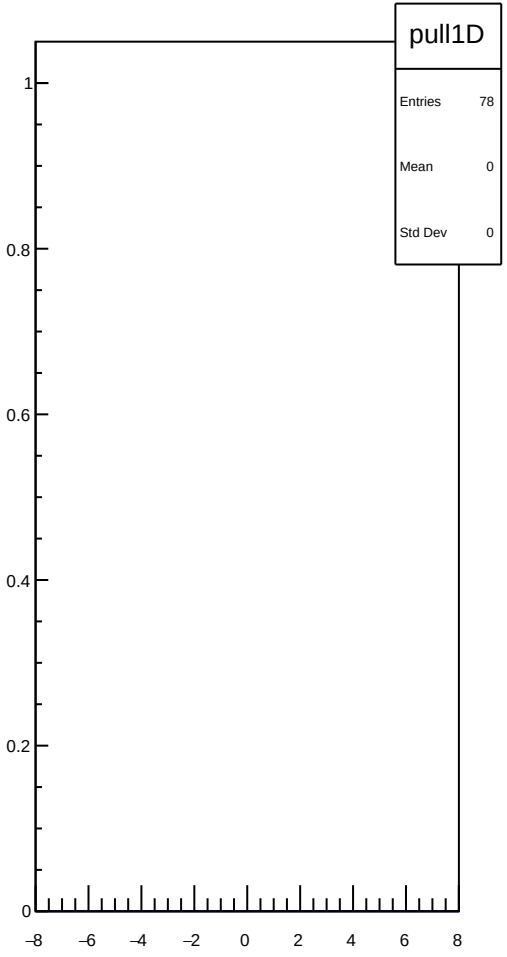


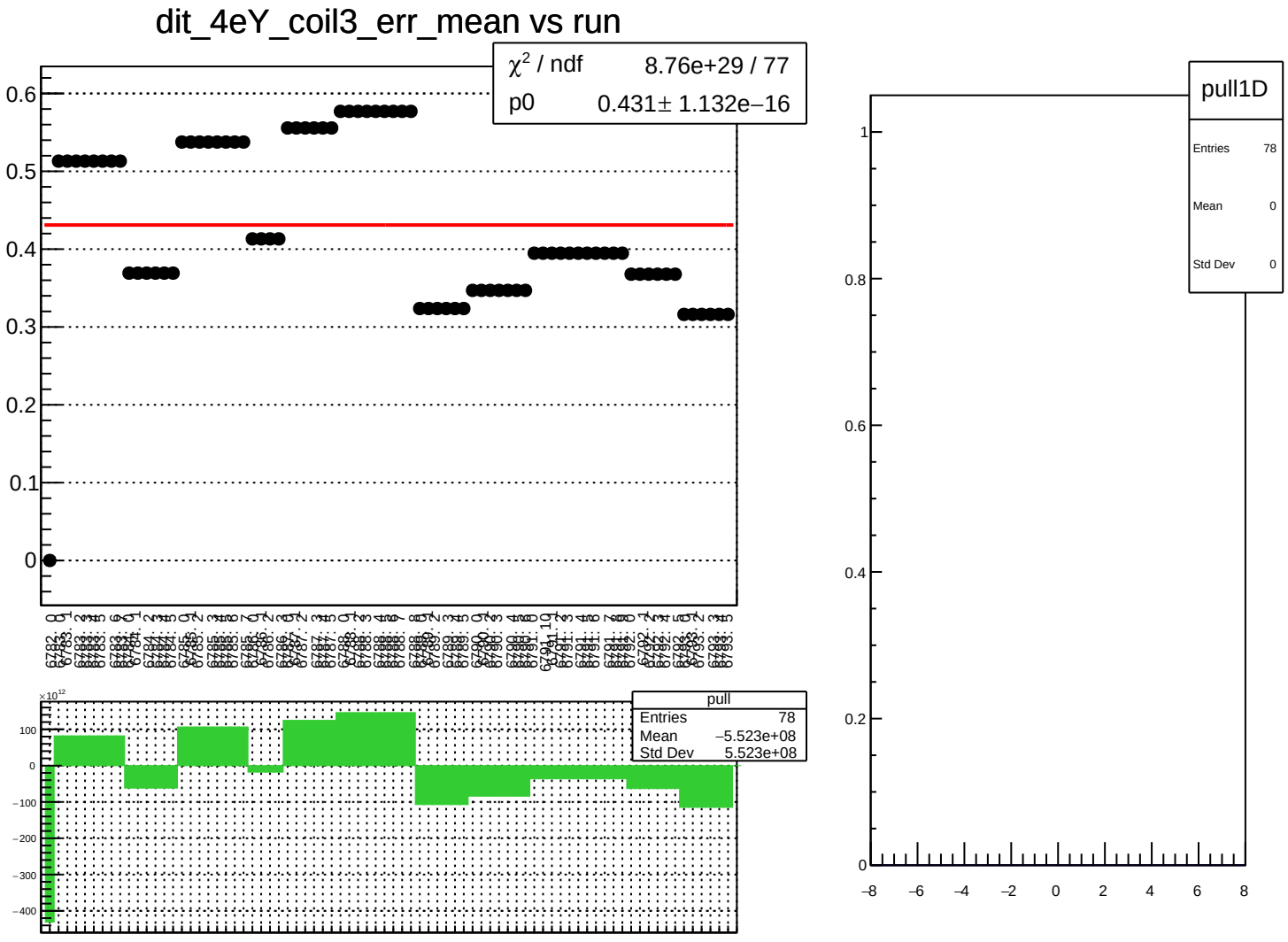



dit_4aY_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

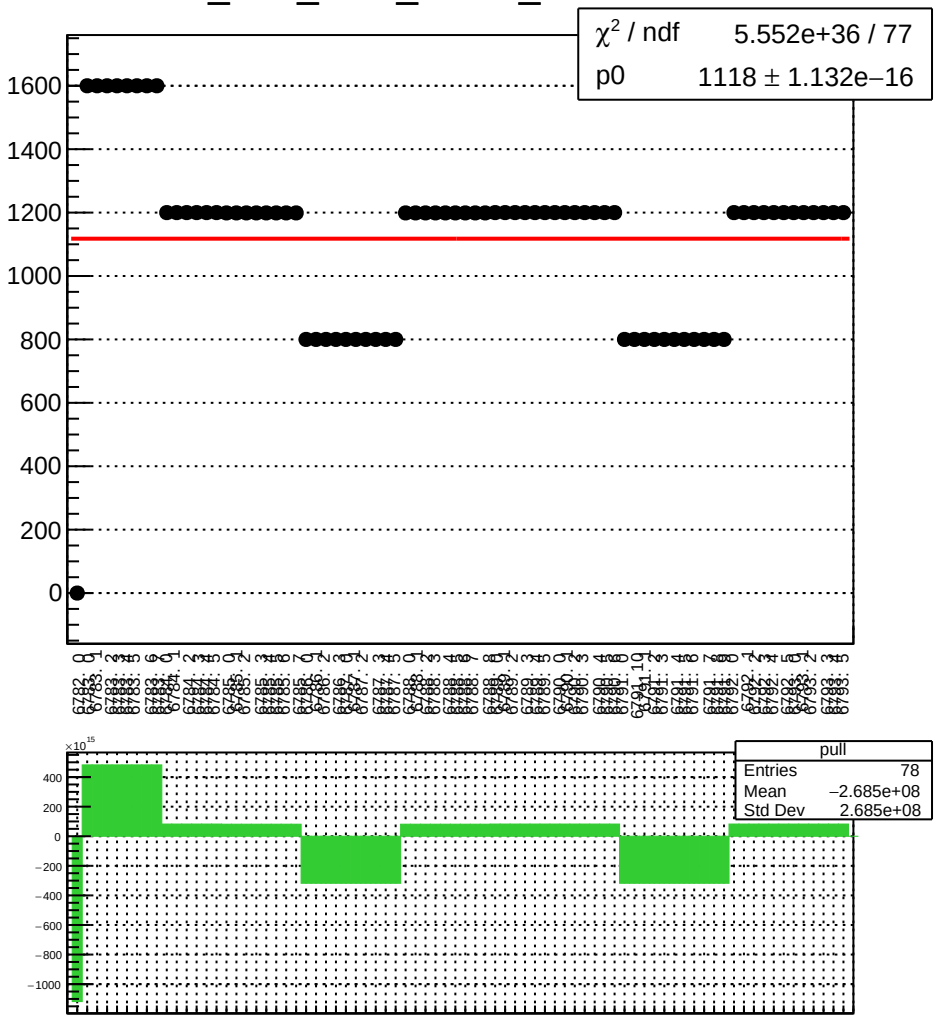
dit_4eY_coil3_mean vs run

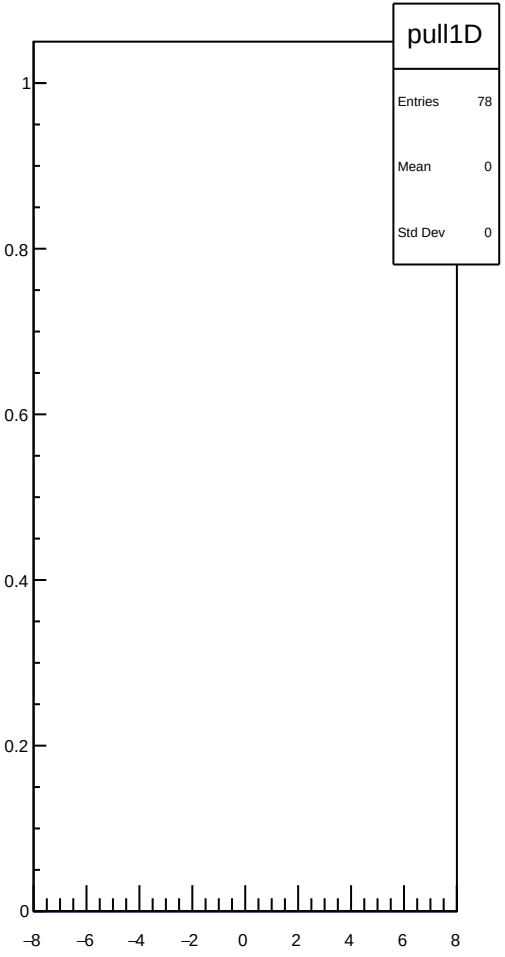


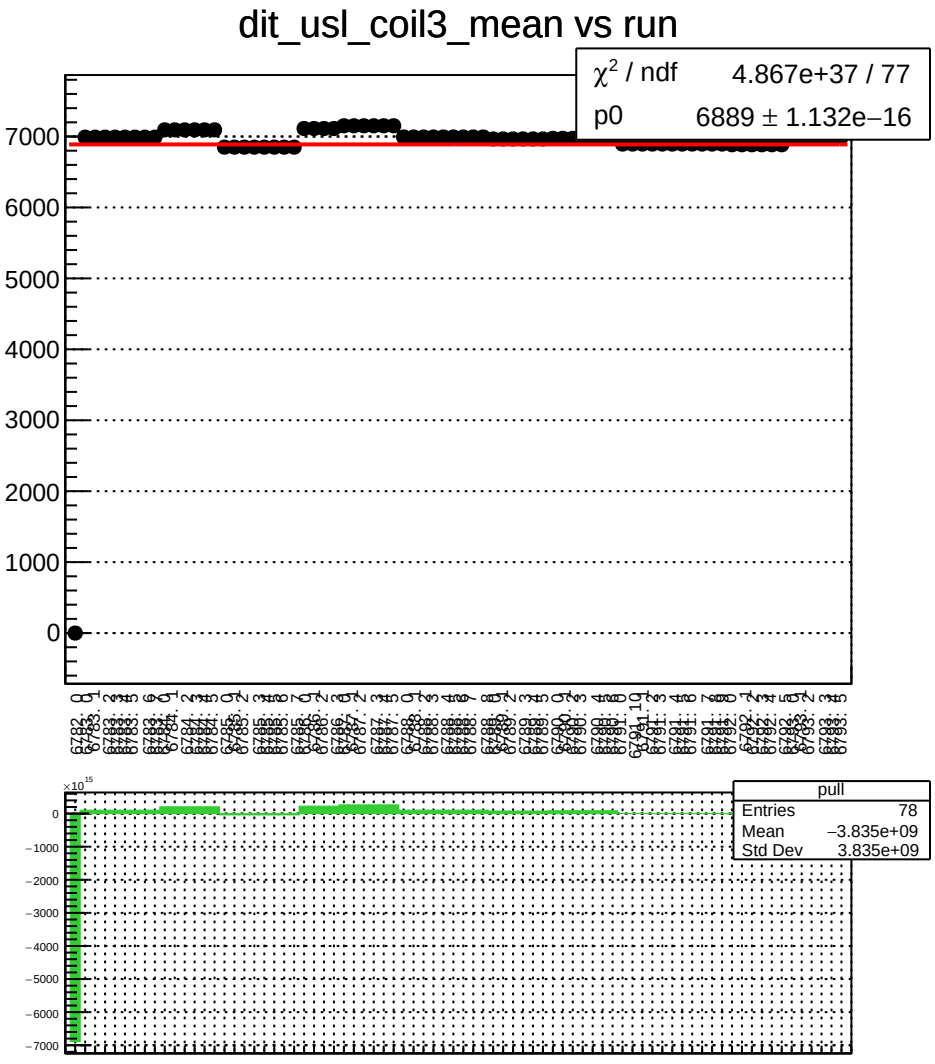


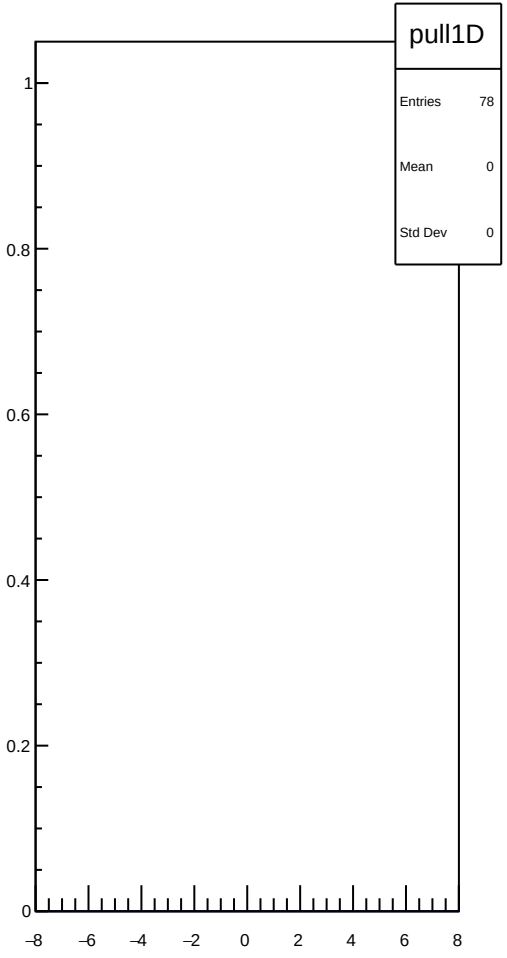

dit_4eY_coil3_err_mean vs run
χ² / ndf 8.76e+29 / 77
p0 0.431± 1.132e−16
pull
Entries 78
Mean −5.523e+08
Std Dev 5.523e+08
pull1D
Entries 78
Mean 0
Std Dev 0

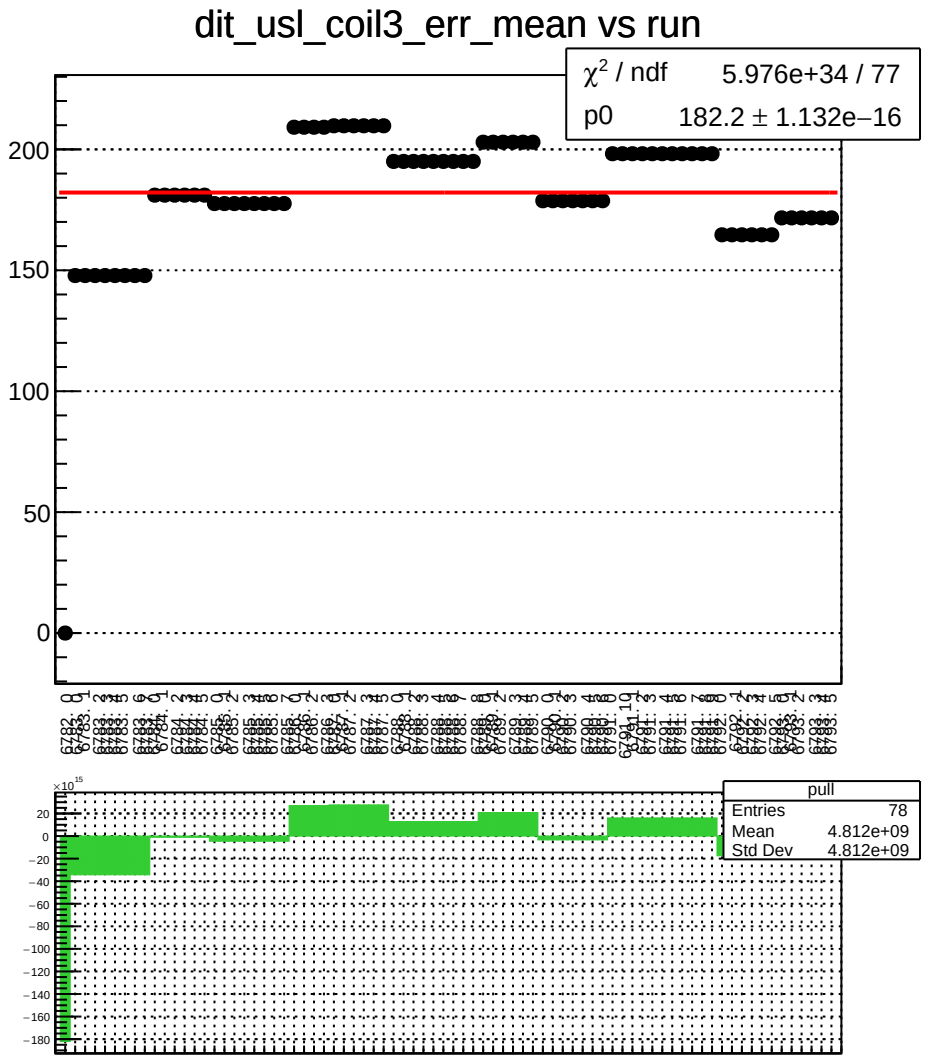
dit_4eY_coil3_Ndata_mean vs run

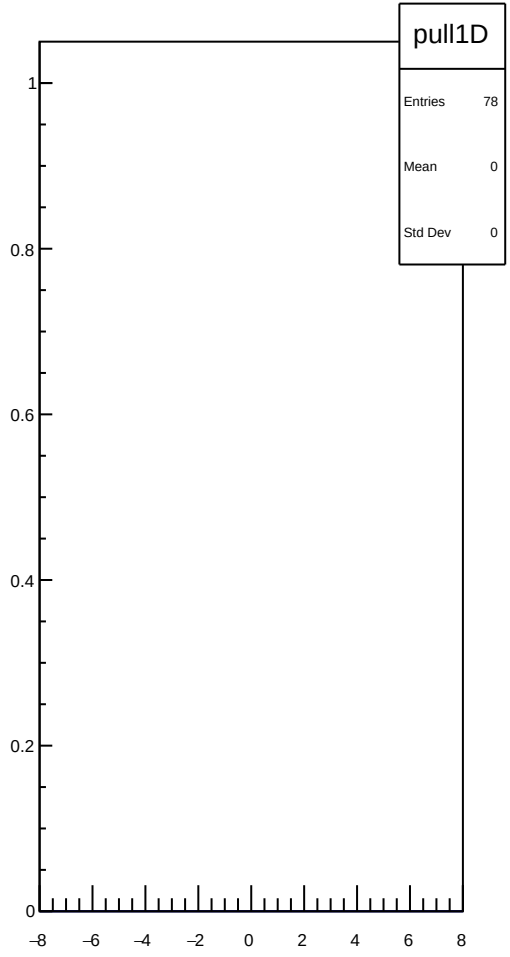


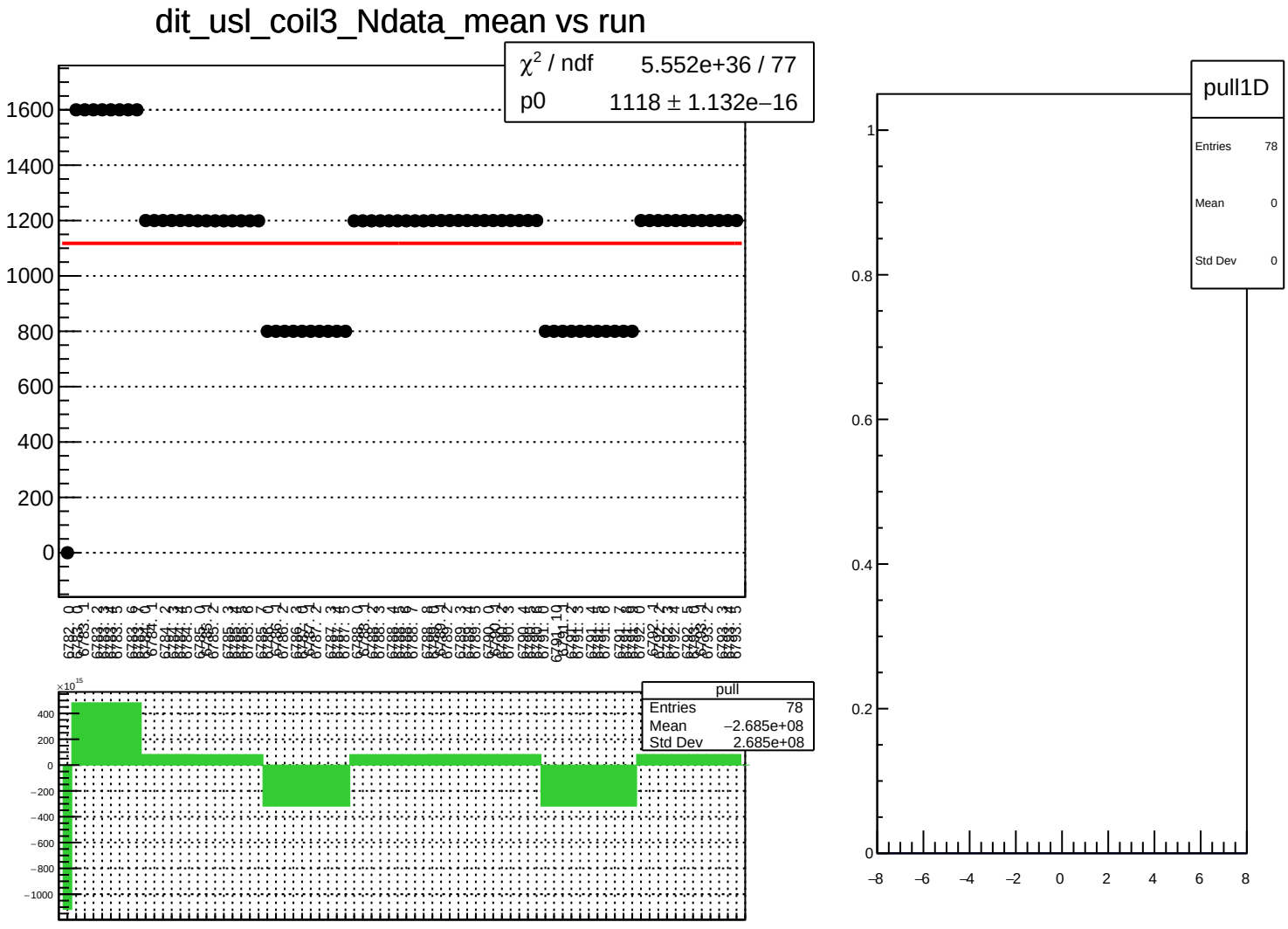


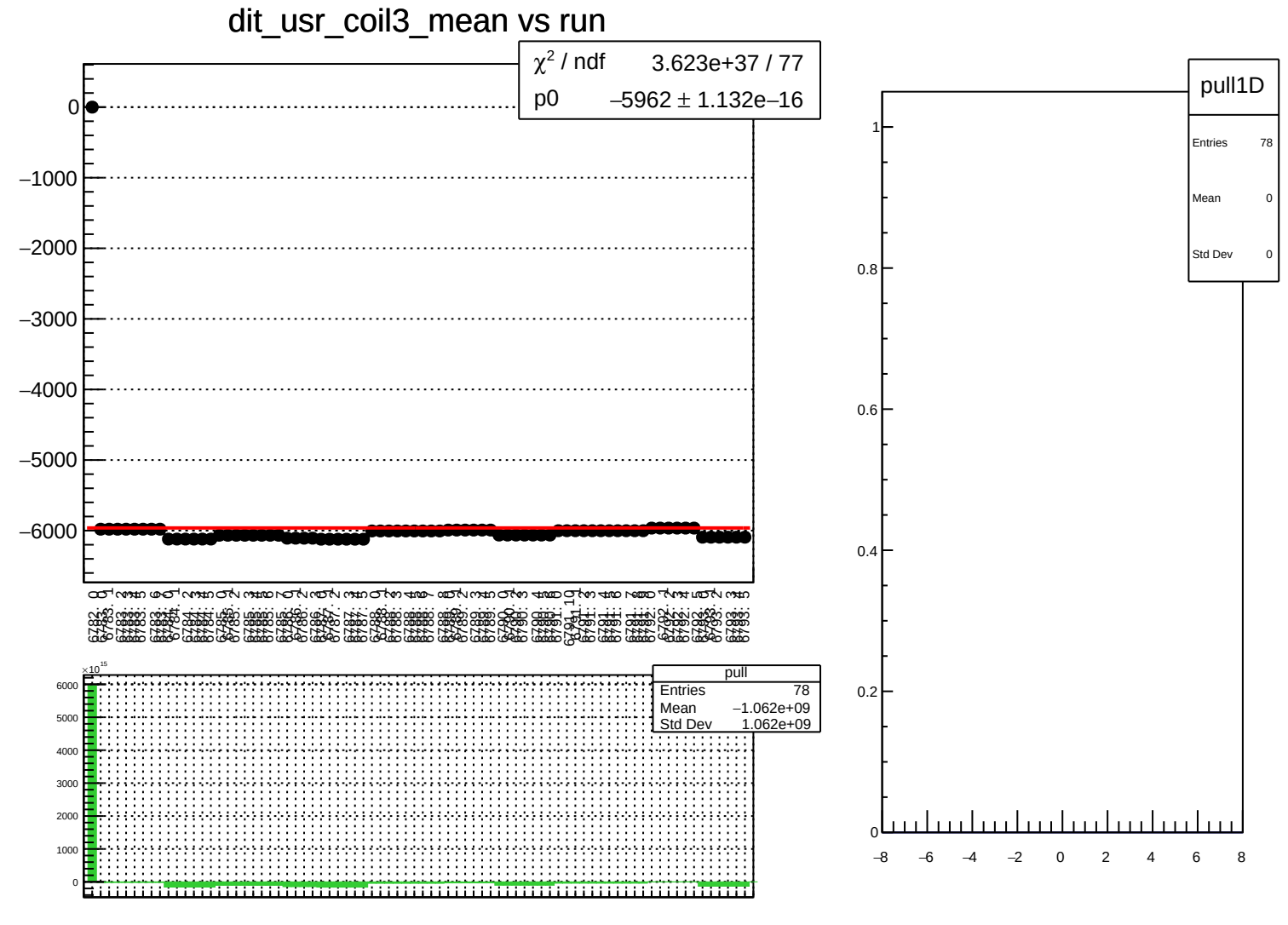

dit_usl_coil3_mean vs run
χ^2 / ndf 4.867e+37 / 77
p0 6889 ± 1.132e−16
pull
Entries 78
Mean −3.835e+09
Std Dev 3.835e+09

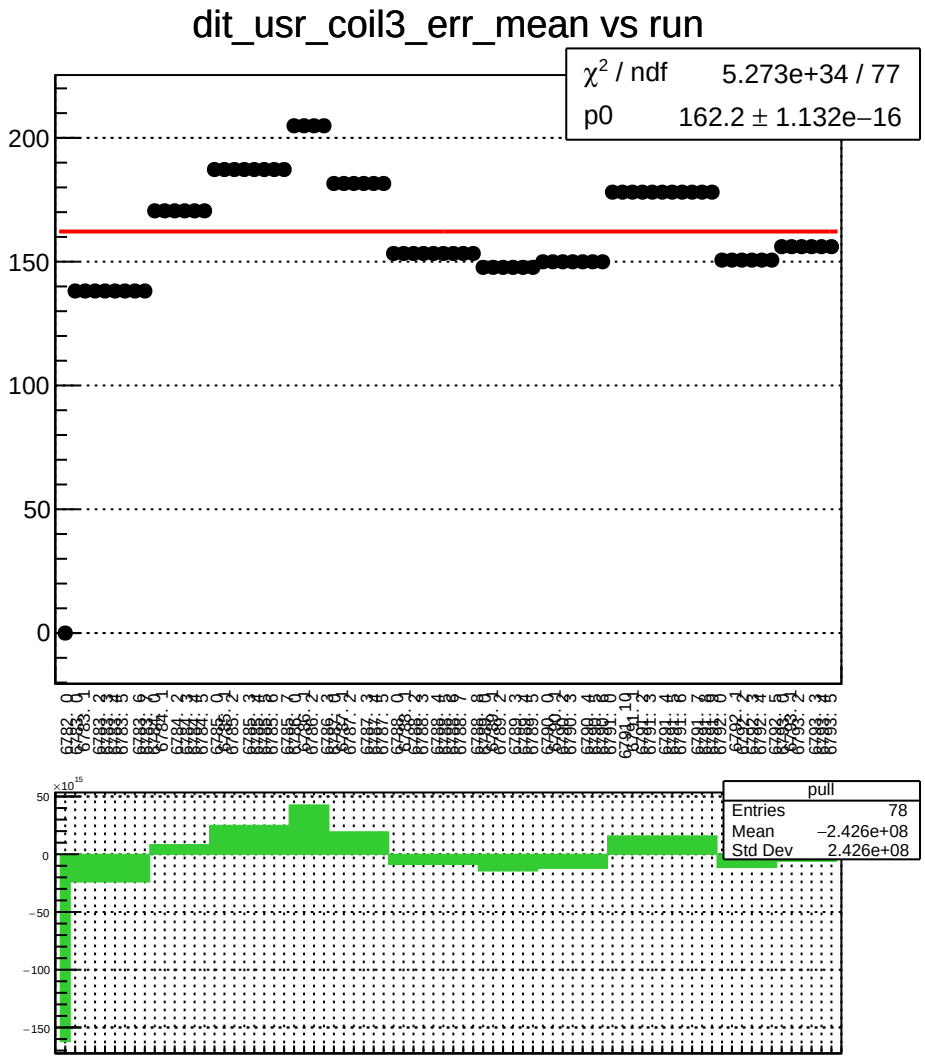

pull1D
Entries 78
Mean 0
Std Dev 0

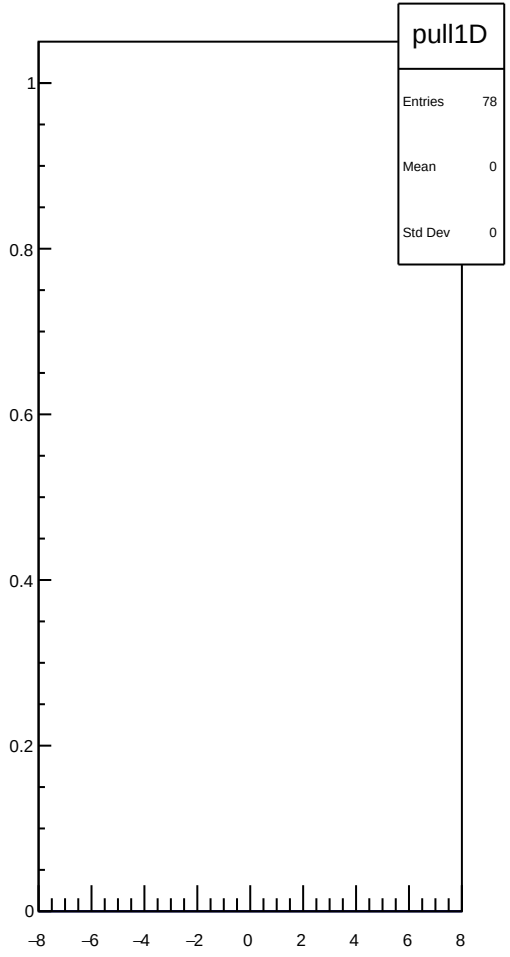

dit_usl_coil3_err_mean vs run
χ^2 / ndf 5.976e+34 / 77
p0 182.2 ± 1.132e−16
pull
Entries 78
Mean 4.812e+09
Std Dev 4.812e+09

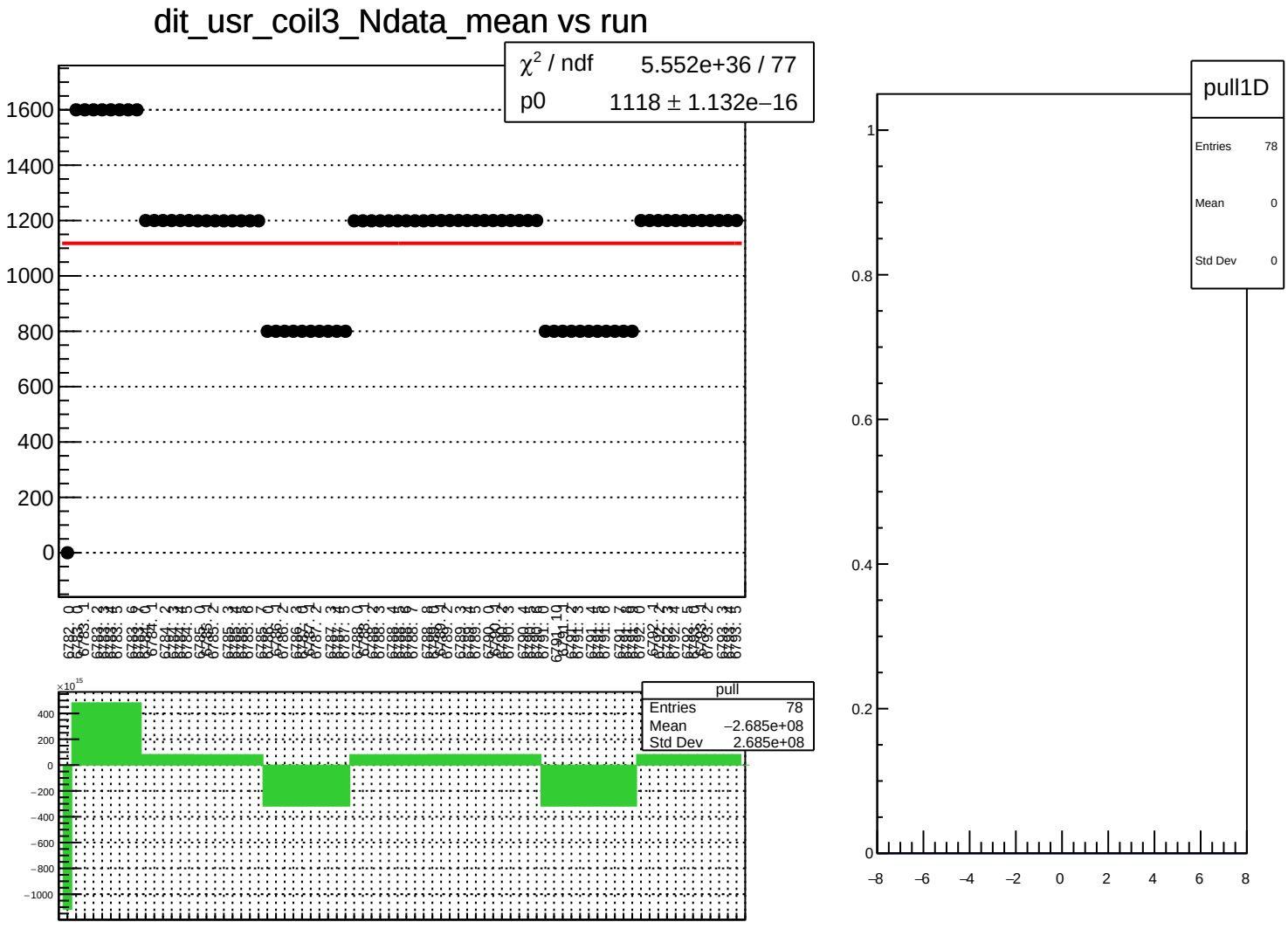

pull1D
Entries 78
Mean 0
Std Dev 0

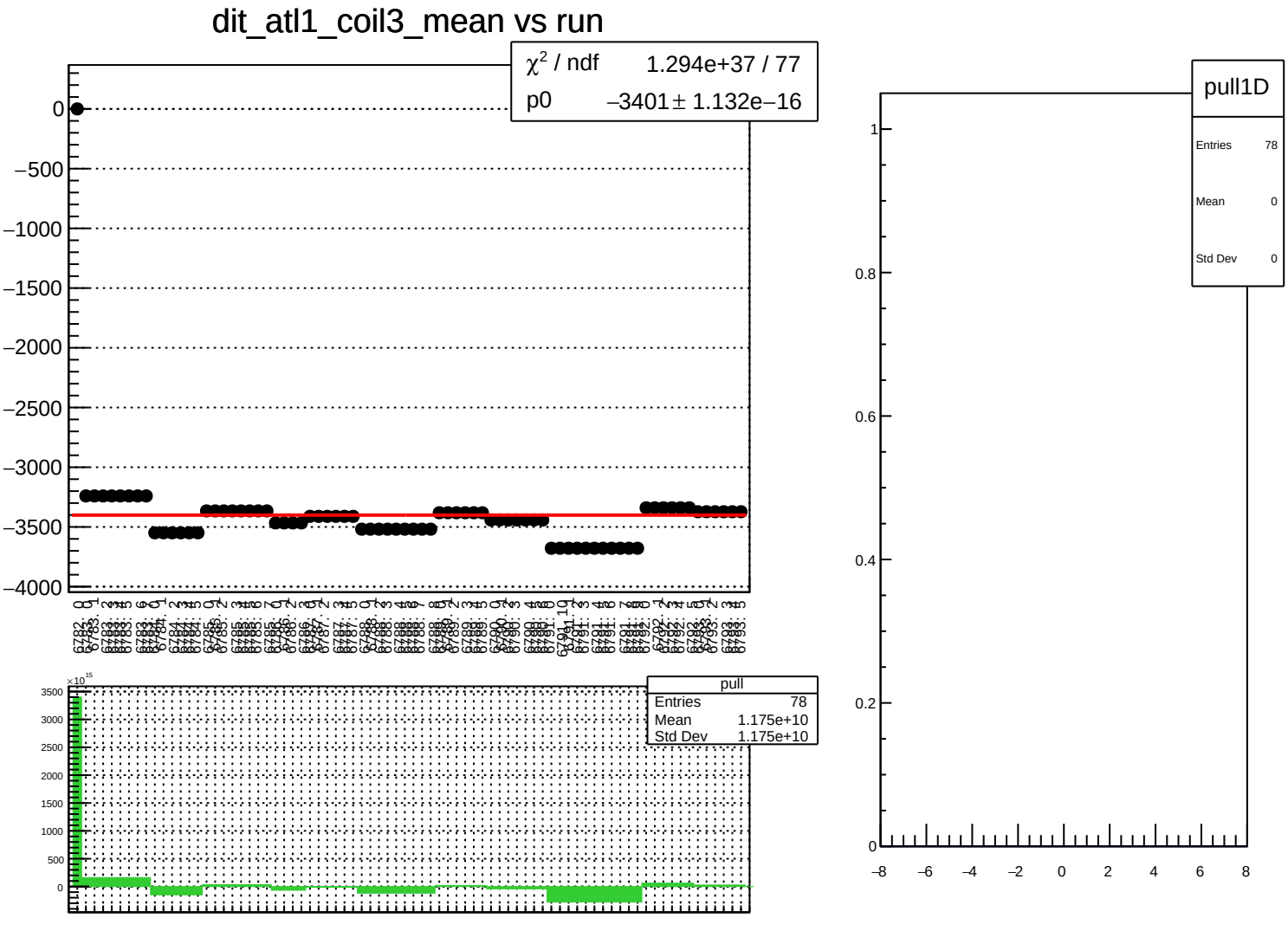

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0


dit_usr_coil3_mean vs run
χ² / ndf 3.623e+37 / 77
p0 –5962 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 78
Mean –1.062e+09
Std Dev 1.062e+09
×10¹⁵
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

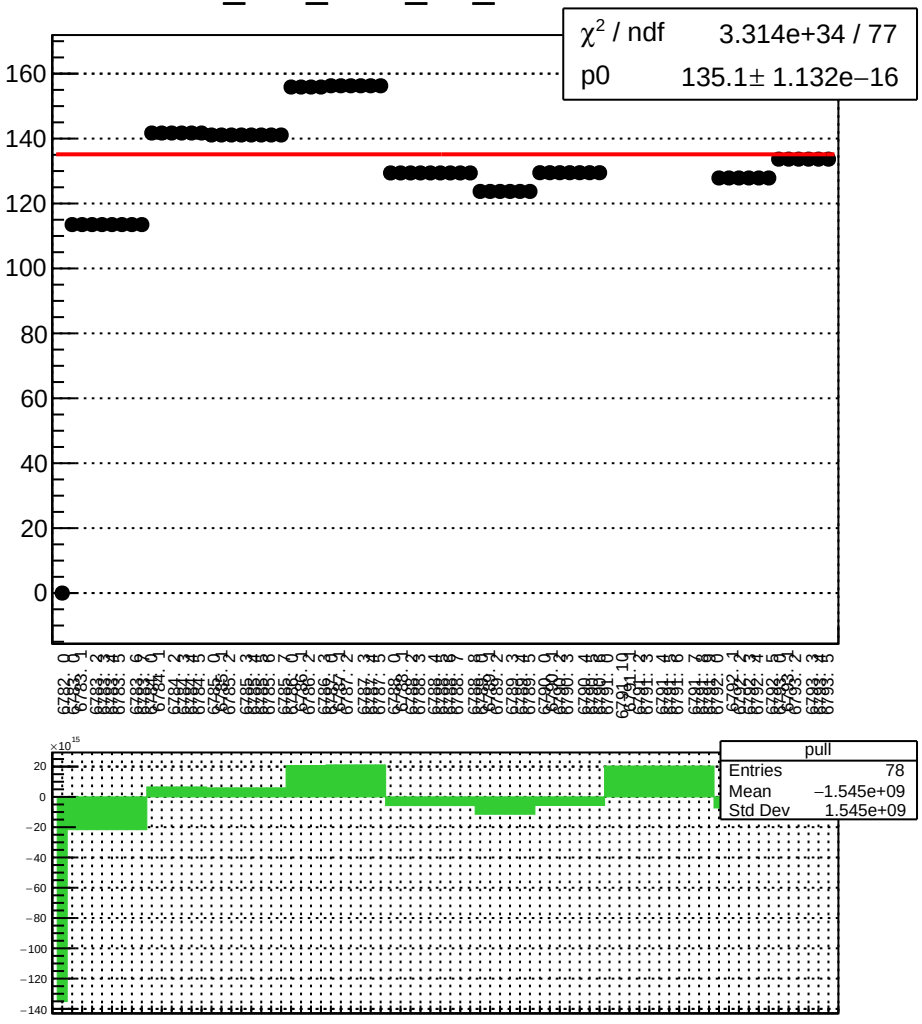

dit_usr_coil3_err_mean vs run
χ^2 / ndf 5.273e+34 / 77
p0 162.2 ± 1.132e−16
pull
Entries 78
Mean −2.426e+08
Std Dev 2.426e+08

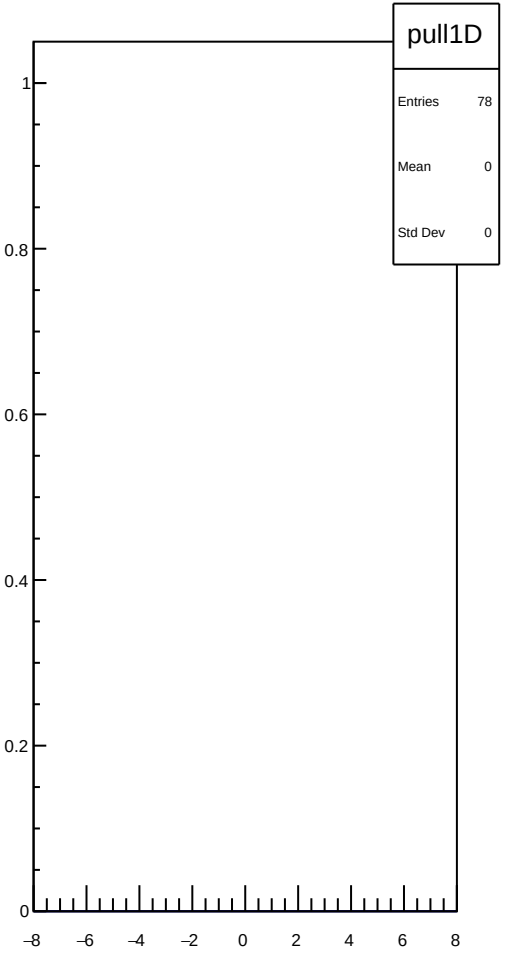

pull1D
Entries 78
Mean 0
Std Dev 0

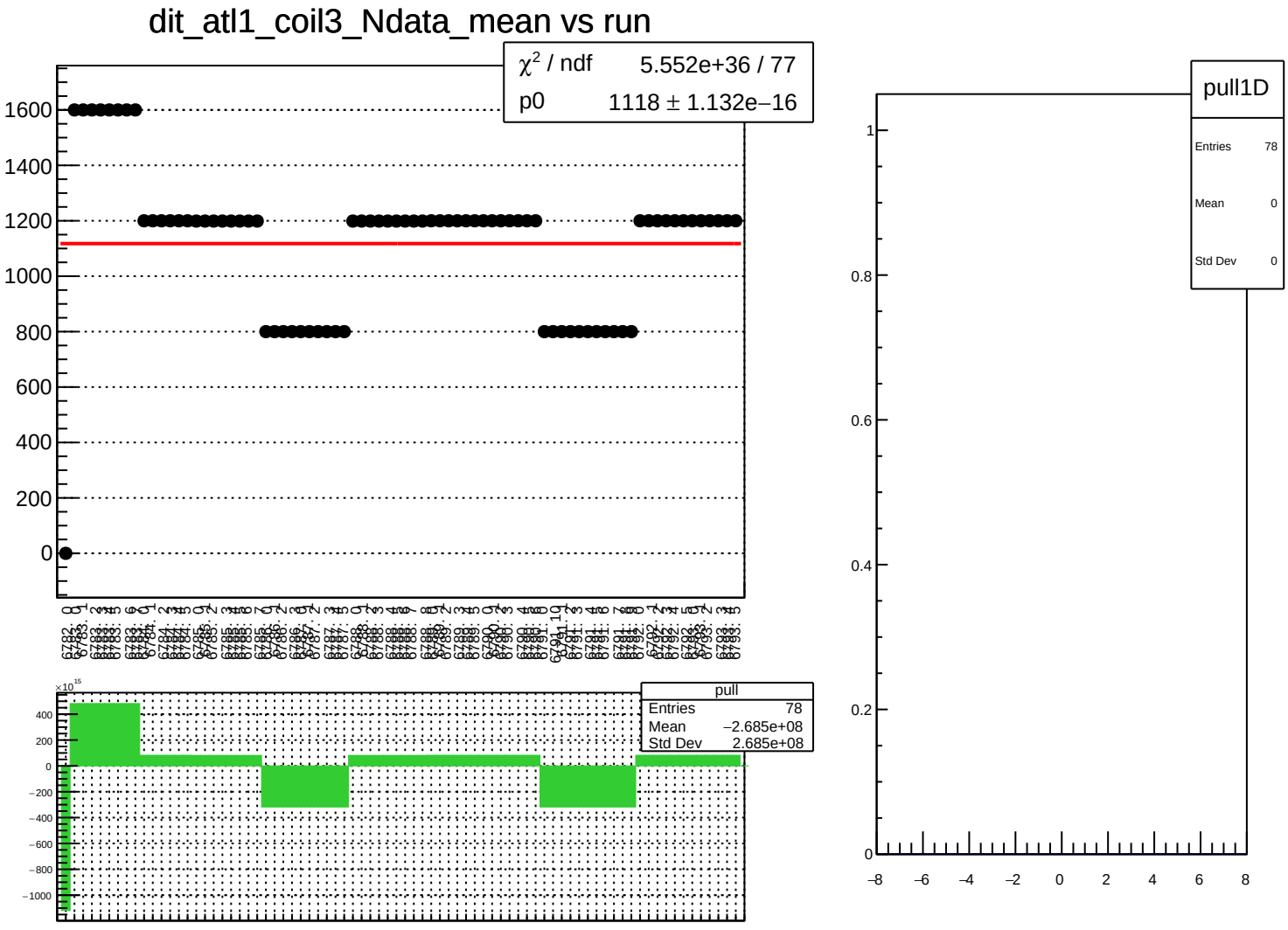

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

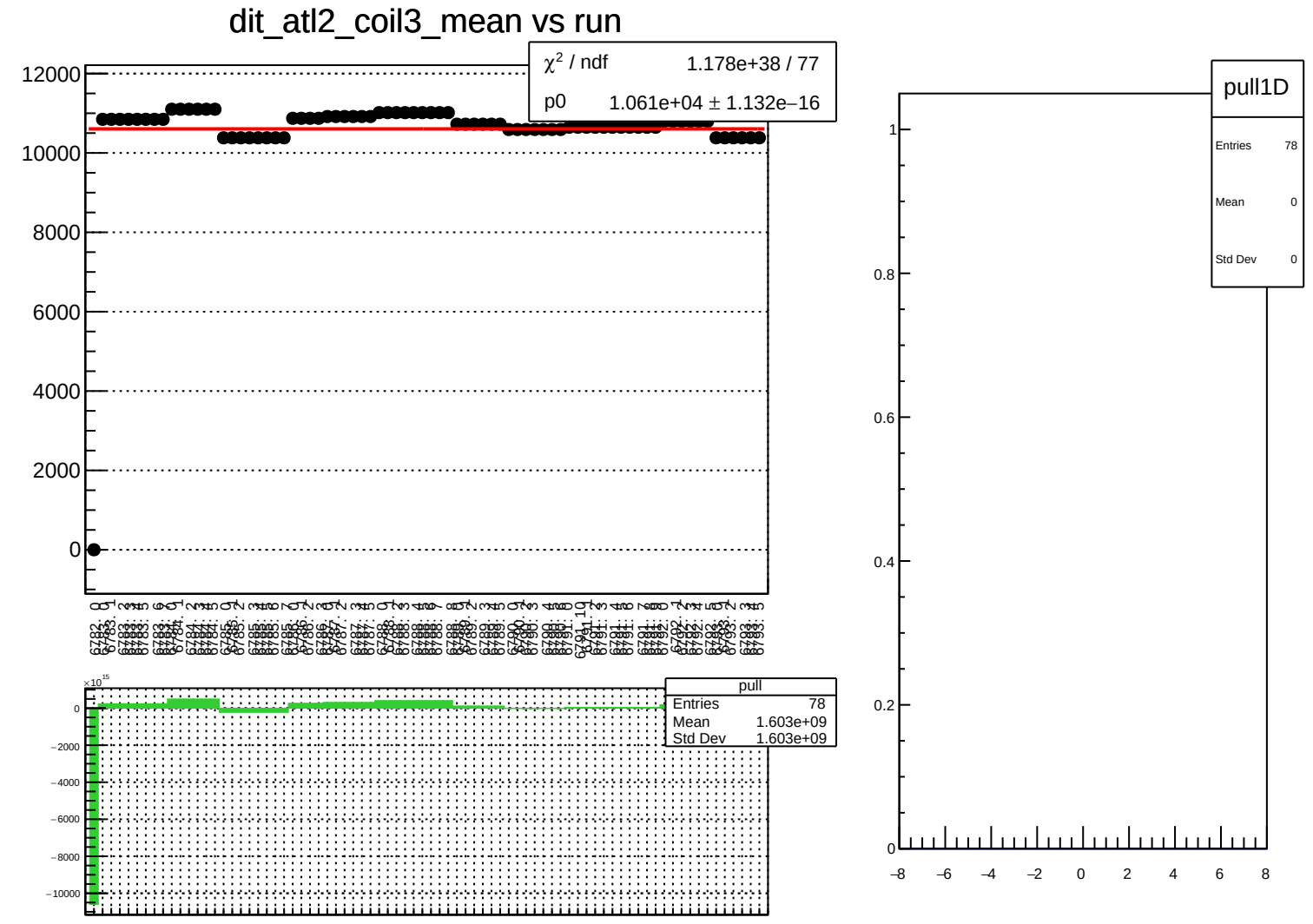

dit_atl1_coil3_mean vs run
χ² / ndf 1.294e+37 / 77
p0 −3401 ± 1.132e−16
pull
Entries 78
Mean 1.175e+10
Std Dev 1.175e+10
pull1D
Entries 78
Mean 0
Std Dev 0

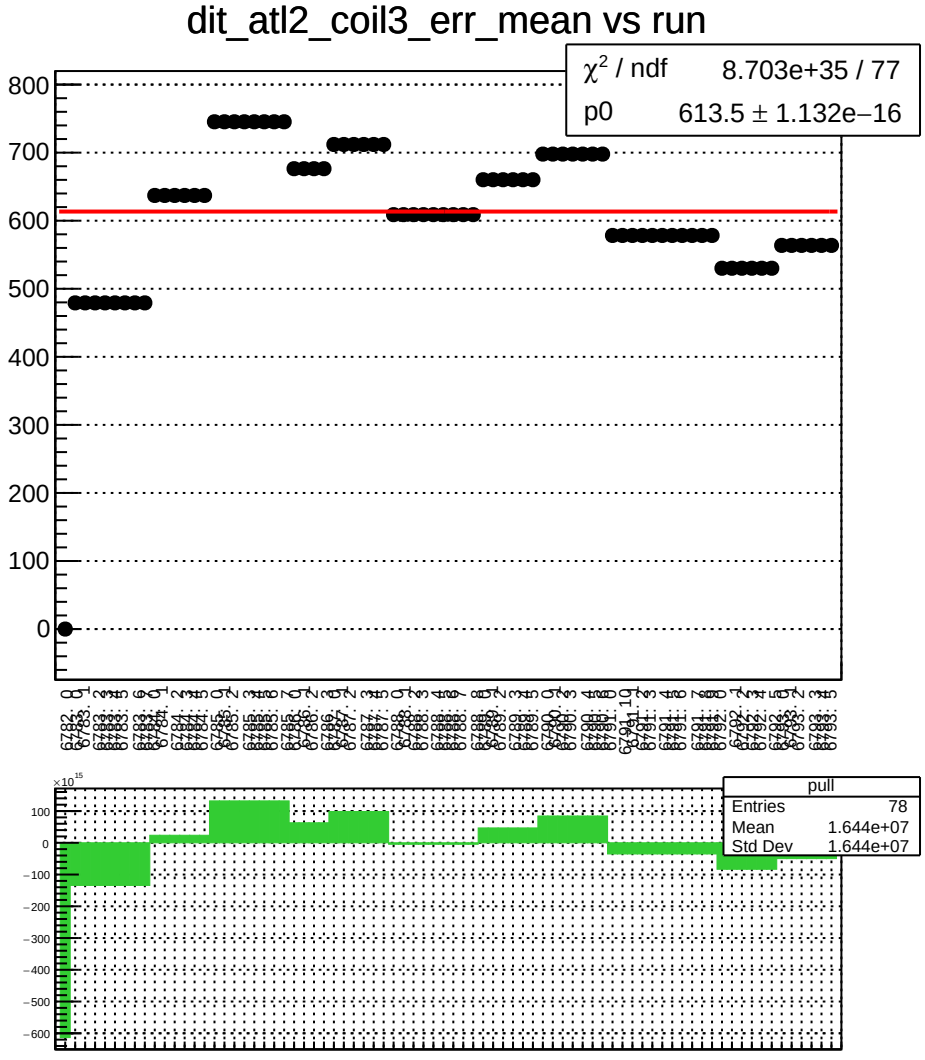
dit_atl1_coil3_err_mean vs run

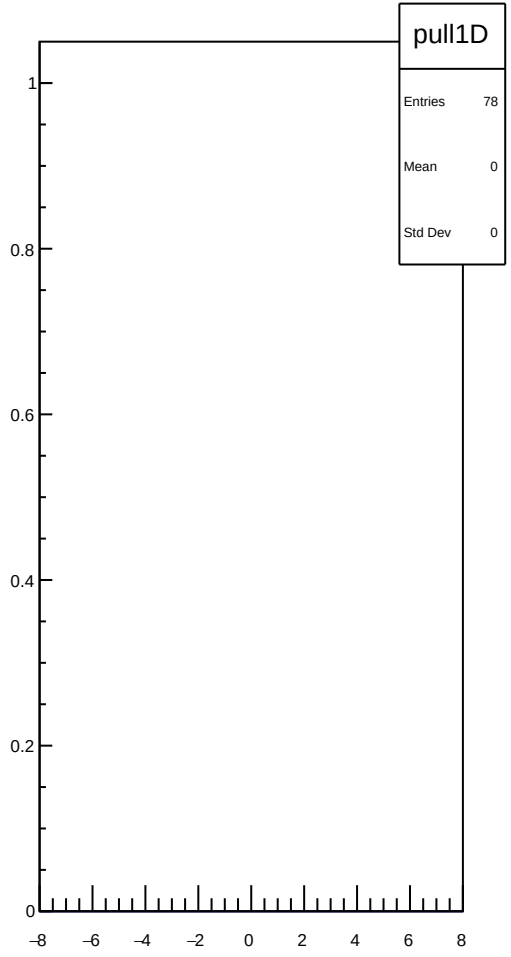


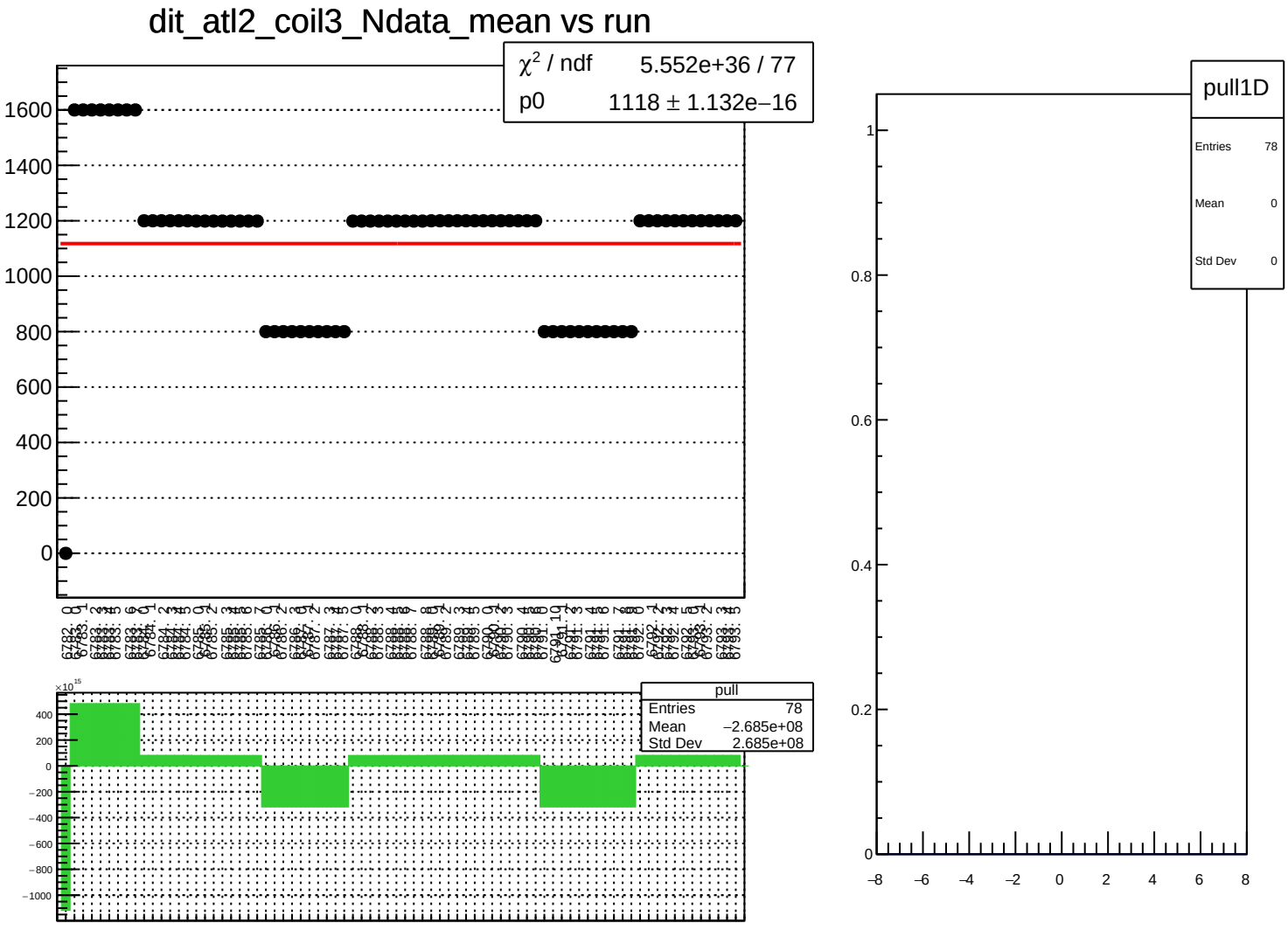


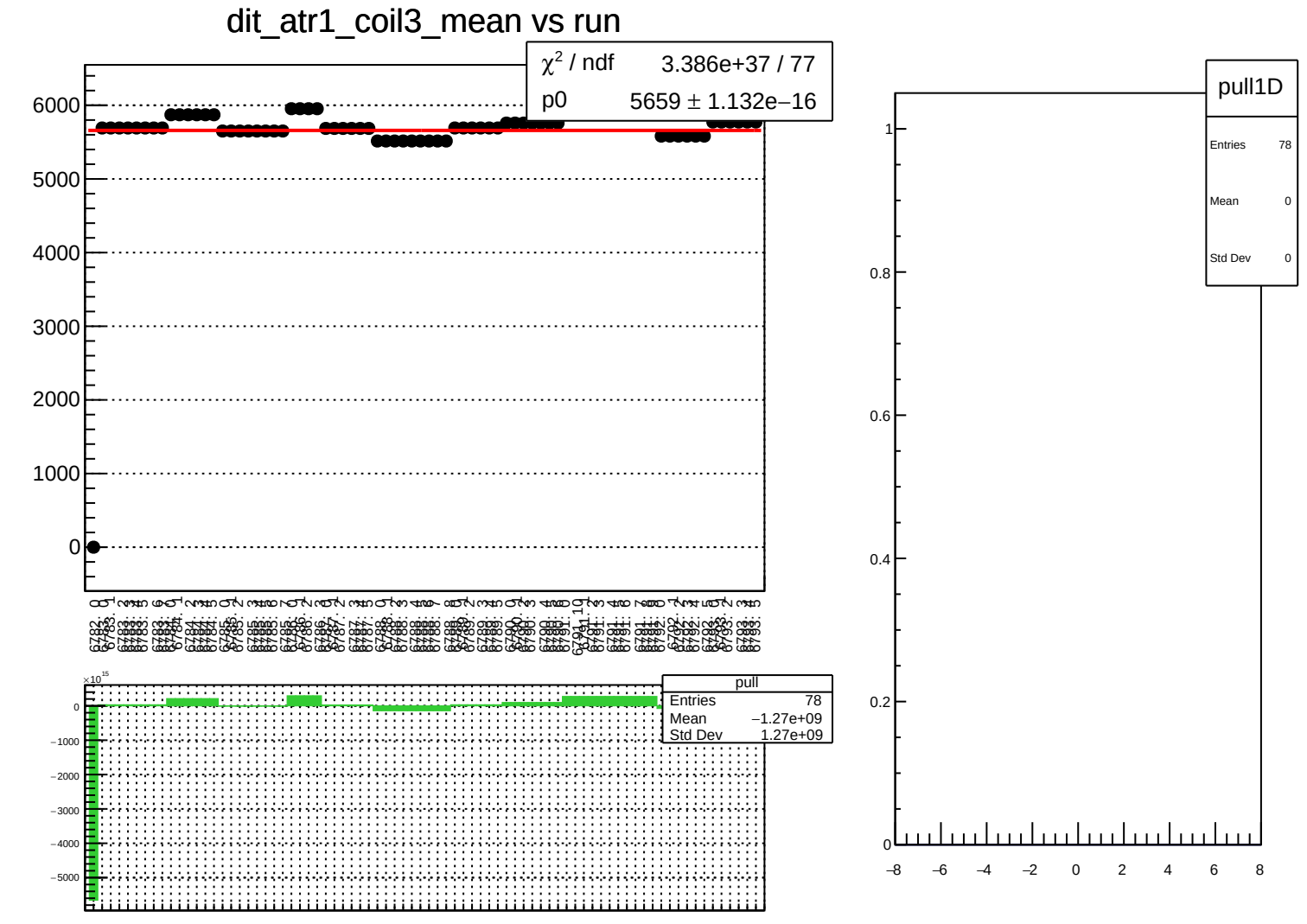

dit_atl1_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0


dit_atl2_coil3_mean vs run
χ² / ndf 1.178e+38 / 77
p0 1.061e+04 ± 1.132e−16
pull
Entries 78
Mean 1.603e+09
Std Dev 1.603e+09
pull1D
Entries 78
Mean 0
Std Dev 0

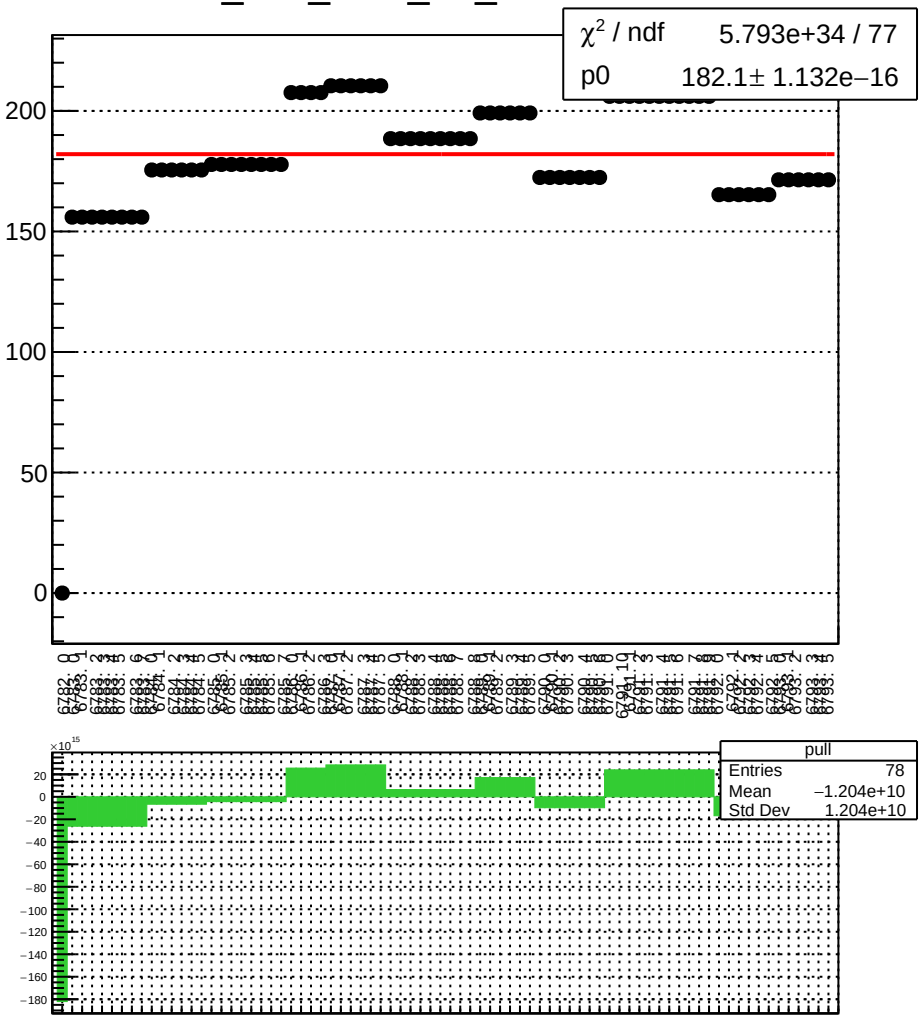

dit_atl2_coil3_err_mean vs run
χ^2 / ndf 8.703e+35 / 77
p0 613.5 ± 1.132e−16
pull
Entries 78
Mean 1.644e+07
Std Dev 1.644e+07

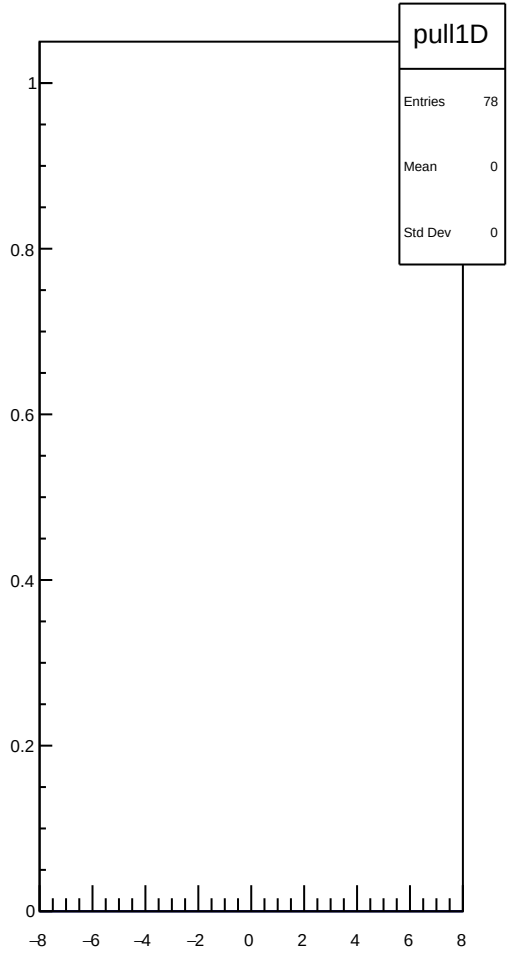

pull1D
Entries 78
Mean 0
Std Dev 0

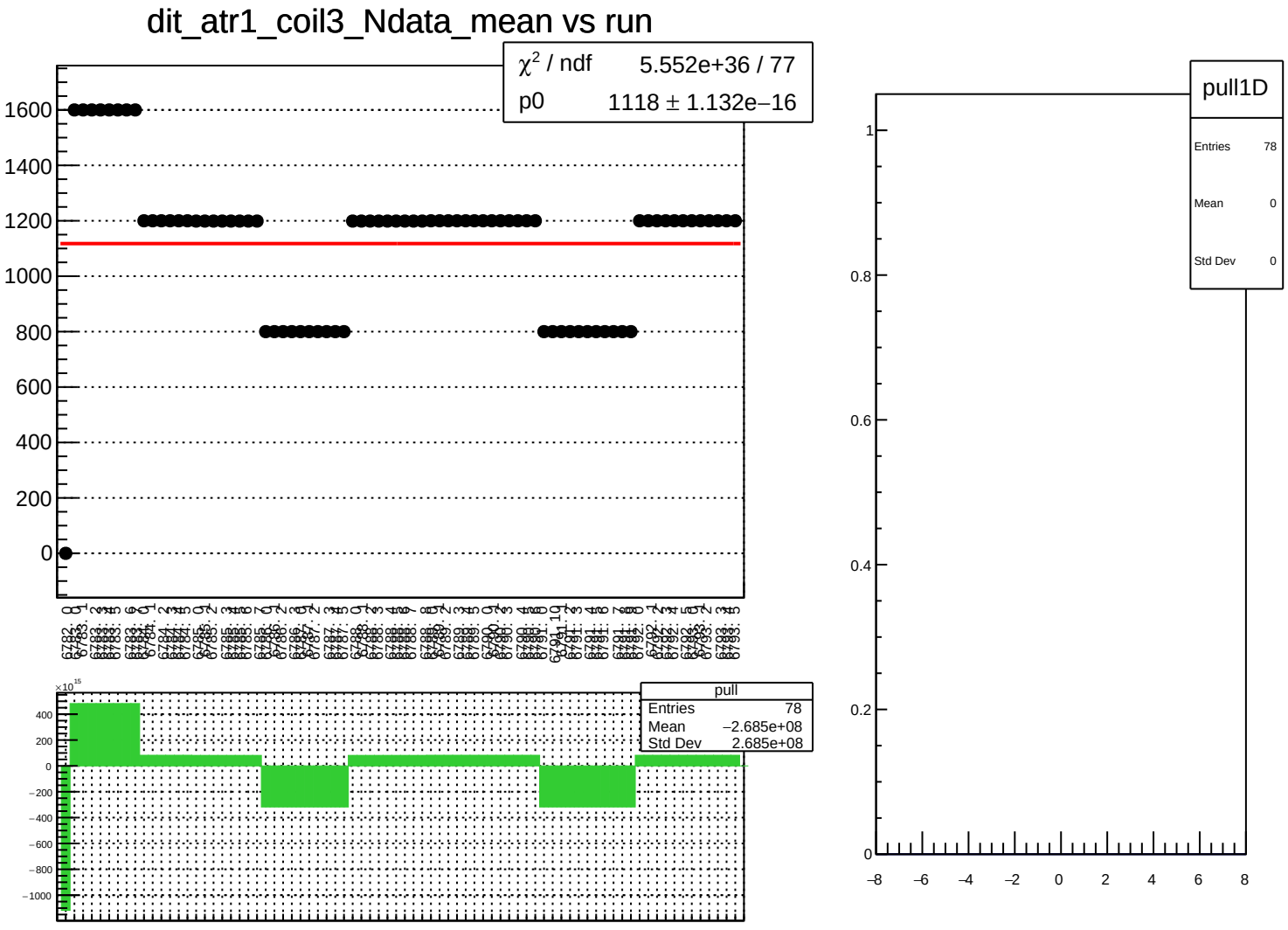

dit_atl2_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

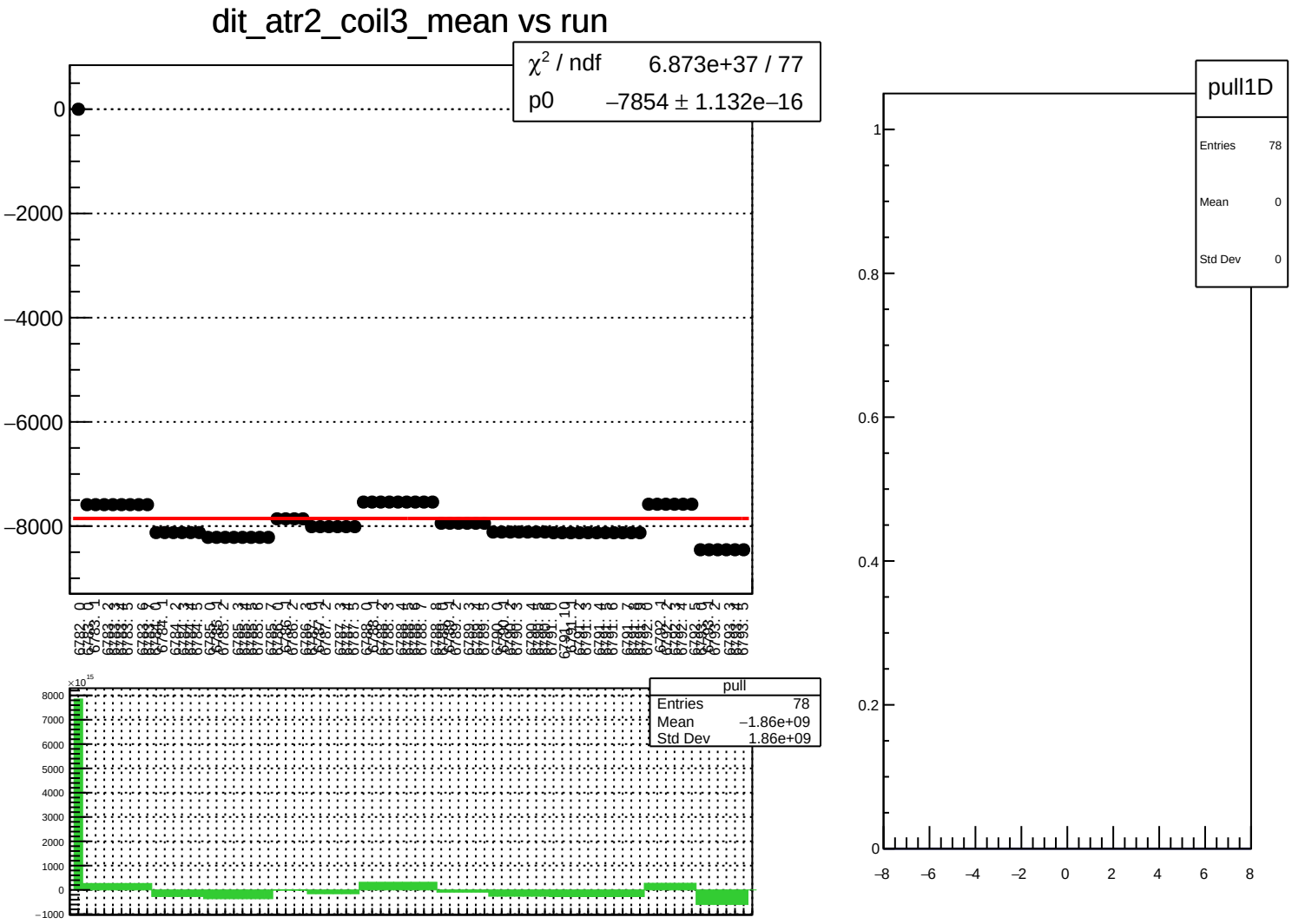

dit_atr1_coil3_mean vs run
χ^2 / ndf 3.386e+37 / 77
p0 5659 ± 1.132e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.27e+09
Std Dev 1.27e+09
×10^15
0
−1000
−2000
−3000
−4000
−5000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

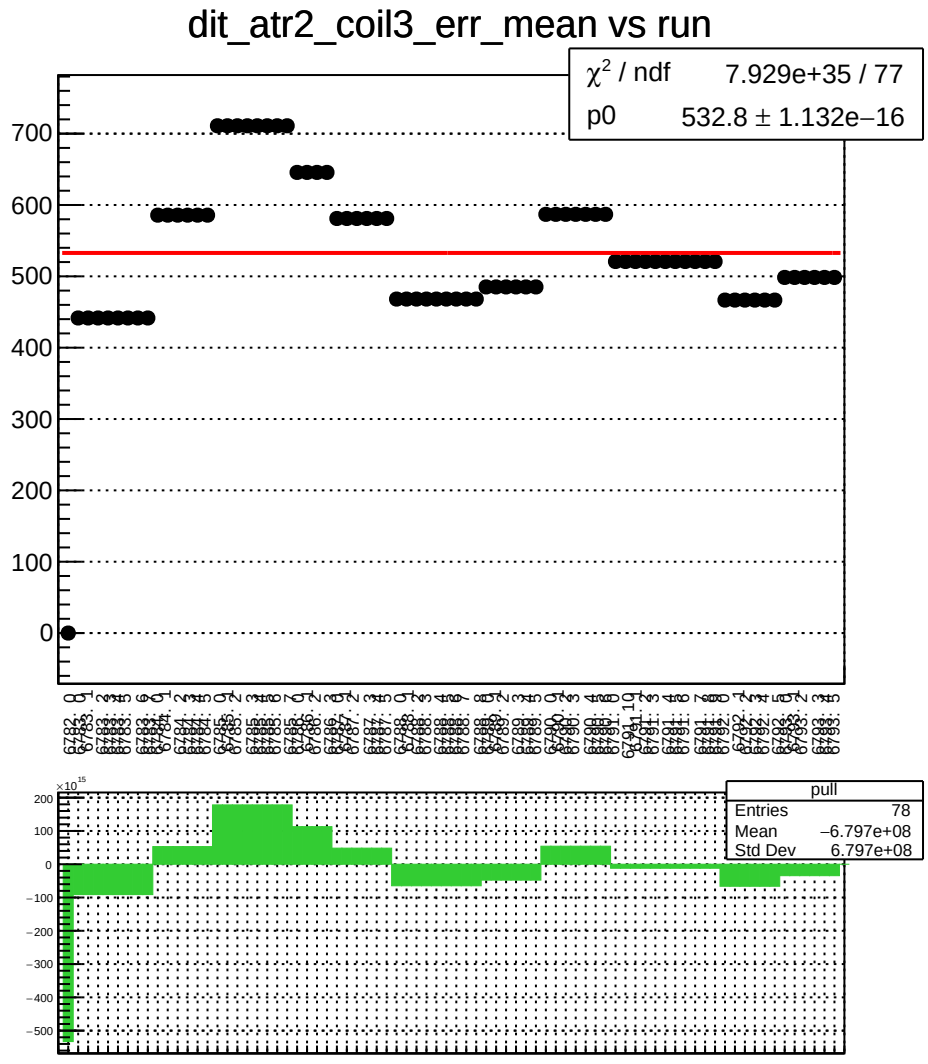
dit_atr1_coil3_err_mean vs run

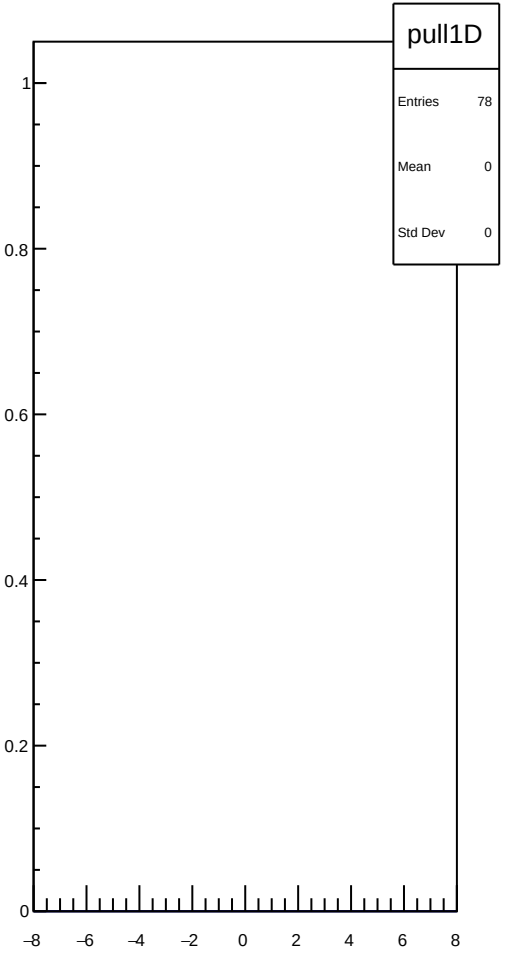


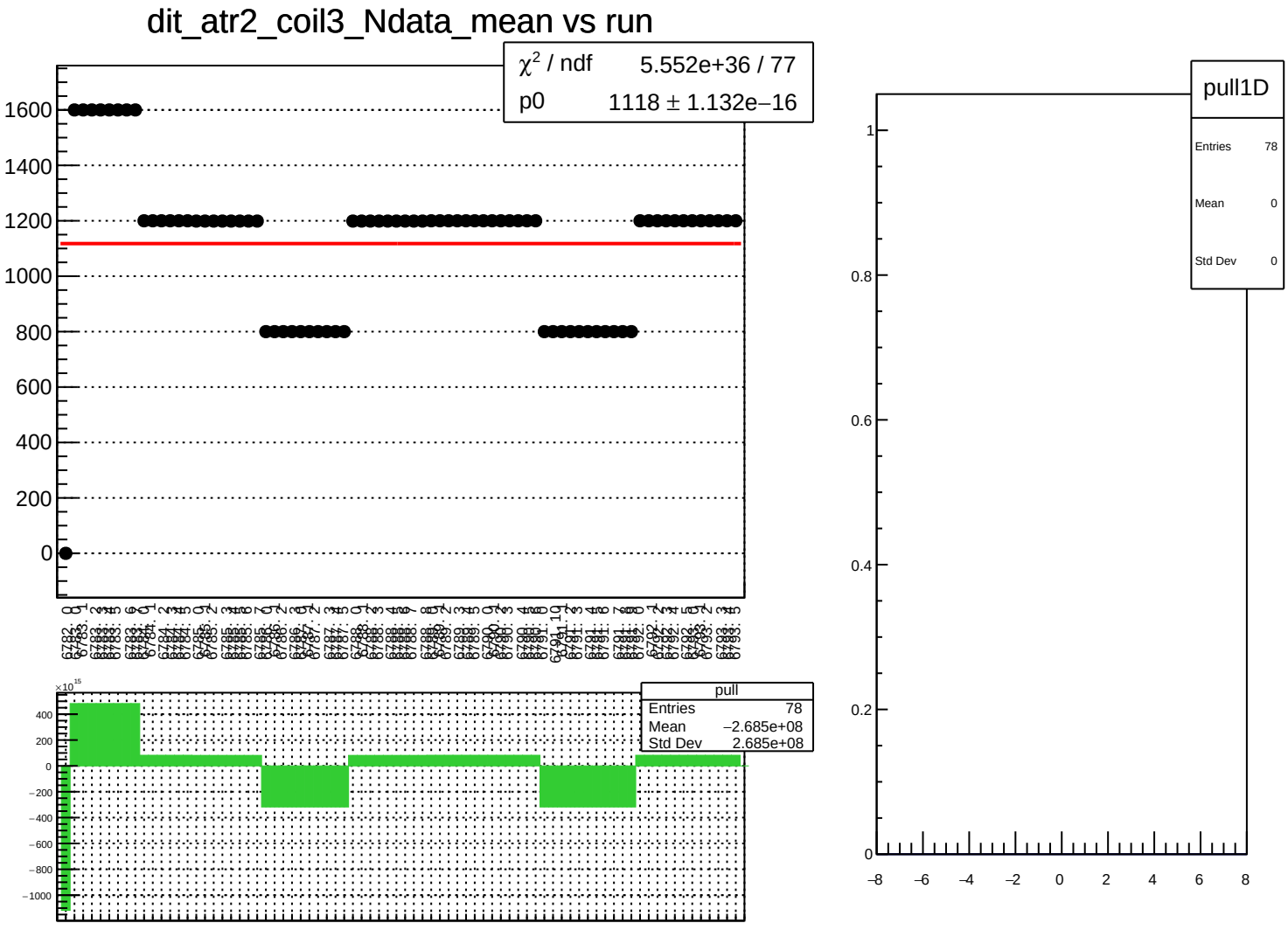


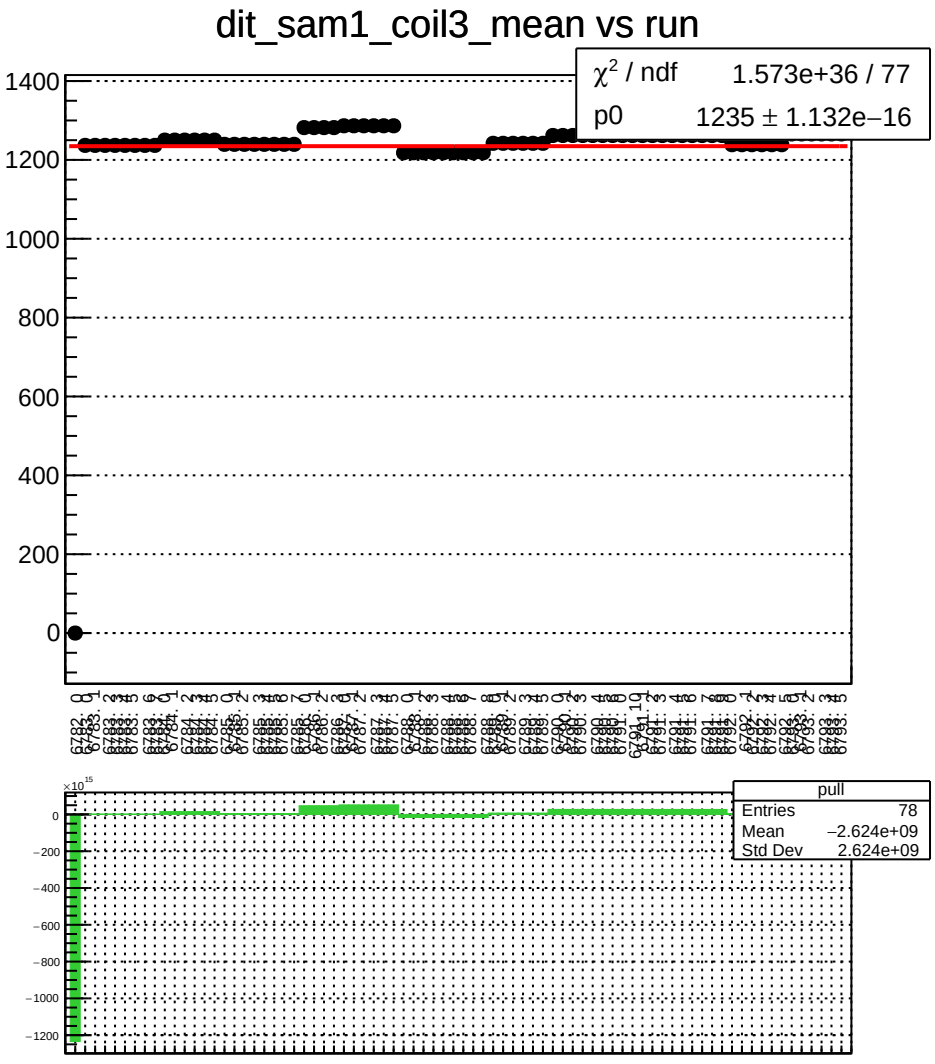

dit_atr1_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

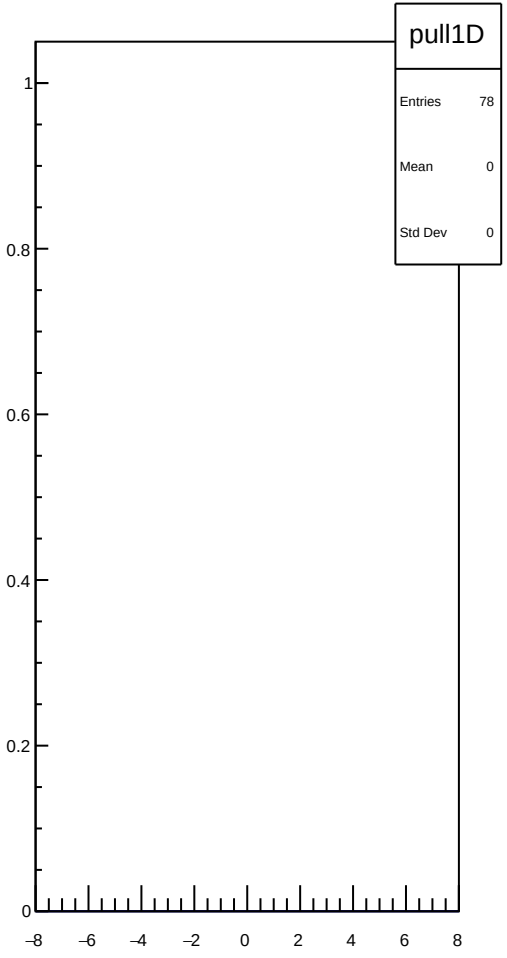

dit_atr2_coil3_mean vs run
χ² / ndf 6.873e+37 / 77
p0 −7854 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −1.86e+09
Std Dev 1.86e+09
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

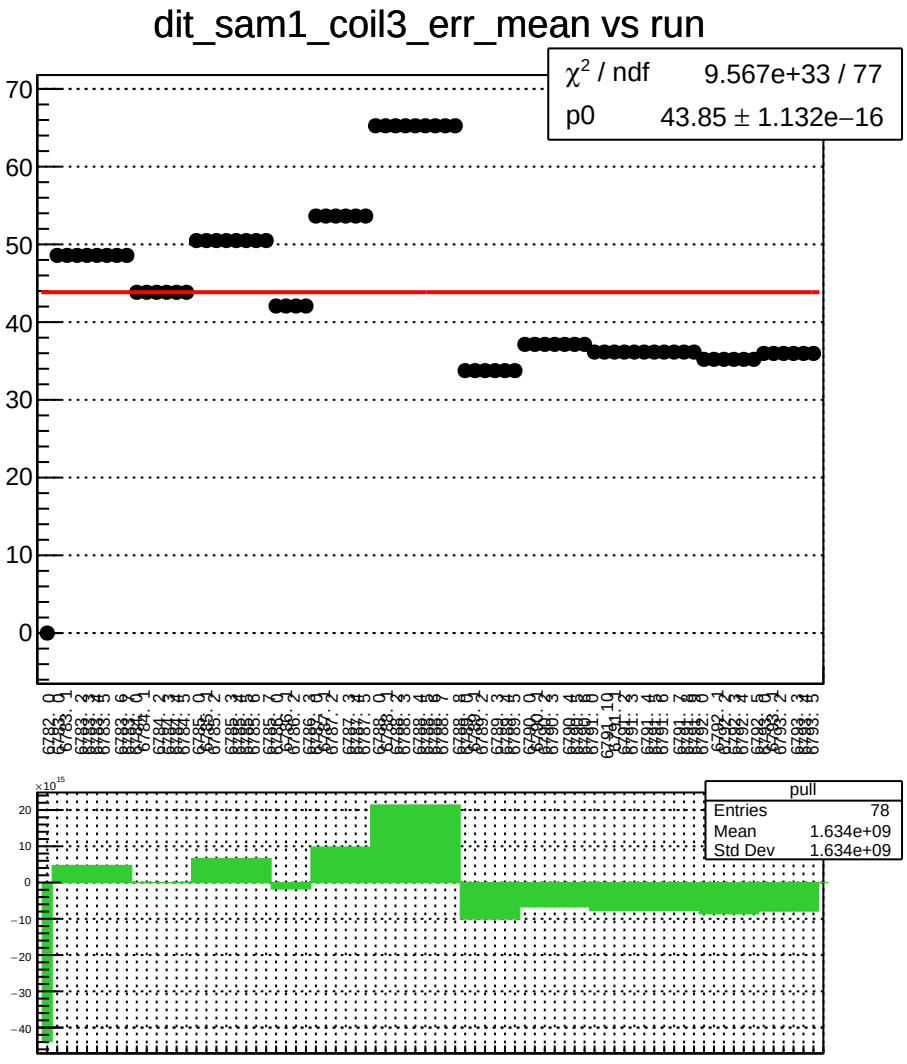

dit_atr2_coil3_err_mean vs run
χ² / ndf 7.929e+35 / 77
p0 532.8 ± 1.132e−16
pull
Entries 78
Mean −6.797e+08
Std Dev 6.797e+08

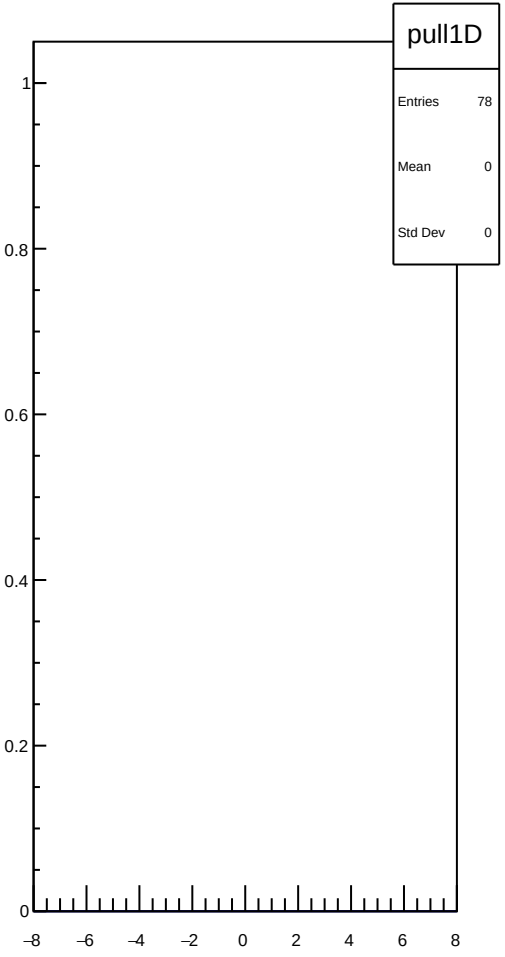

pull1D
Entries 78
Mean 0
Std Dev 0

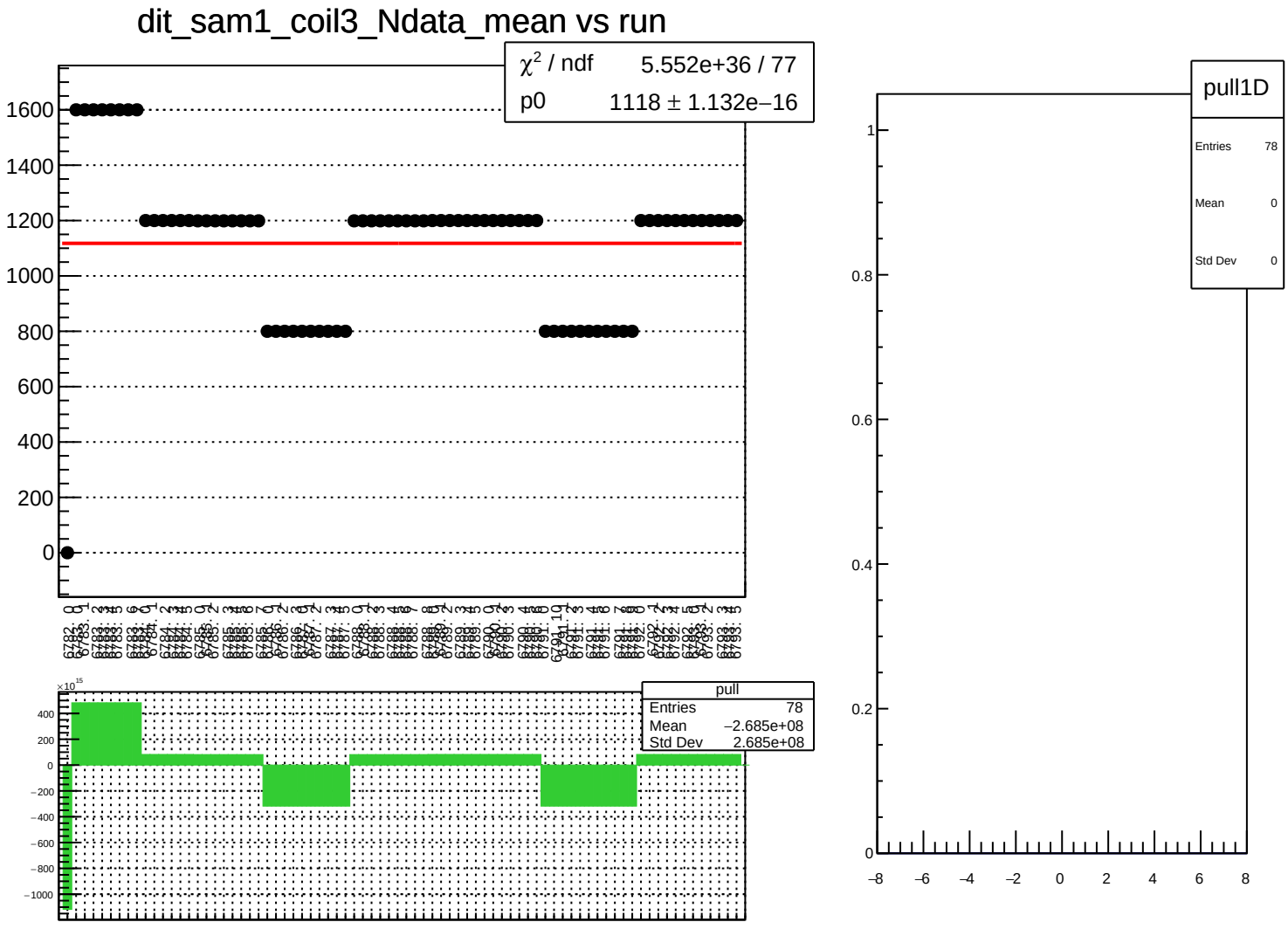

dit_atr2_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

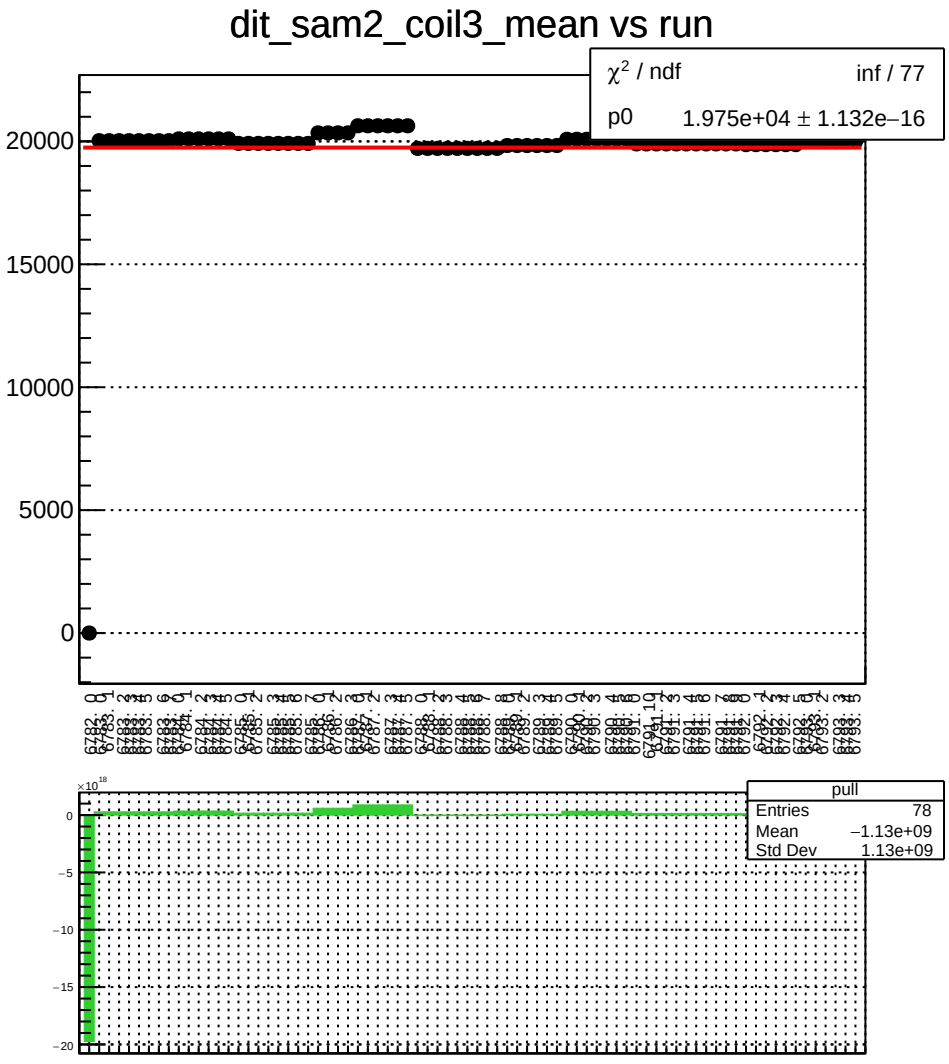

dit_sam1_coil3_mean vs run
χ^2 / ndf 1.573e+36 / 77
p0 1235 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.624e+09
Std Dev 2.624e+09
×10^15
0
−200
−400
−600
−800
−1000
−1200

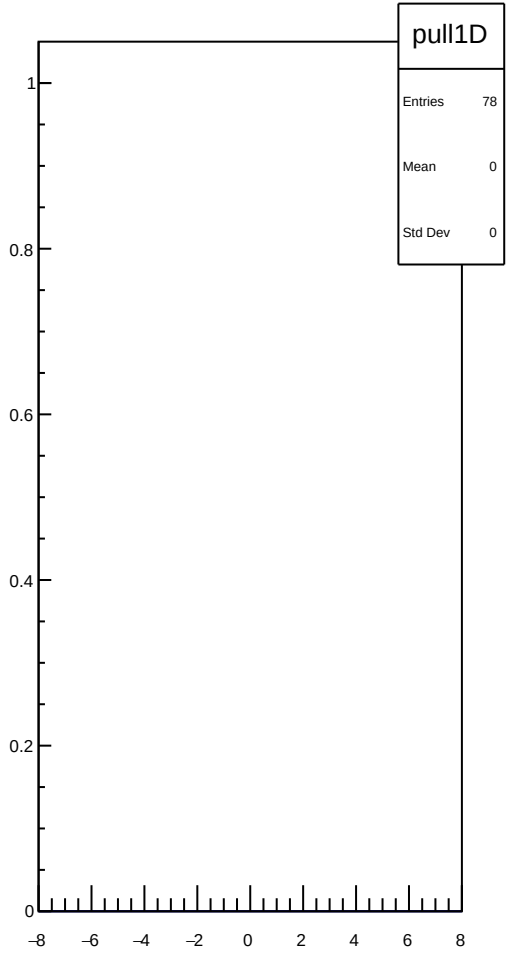

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam1_coil3_err_mean vs run
χ^2 / ndf 9.567e+33 / 77
p0 43.85 ± 1.132e−16
pull
Entries 78
Mean 1.634e+09
Std Dev 1.634e+09

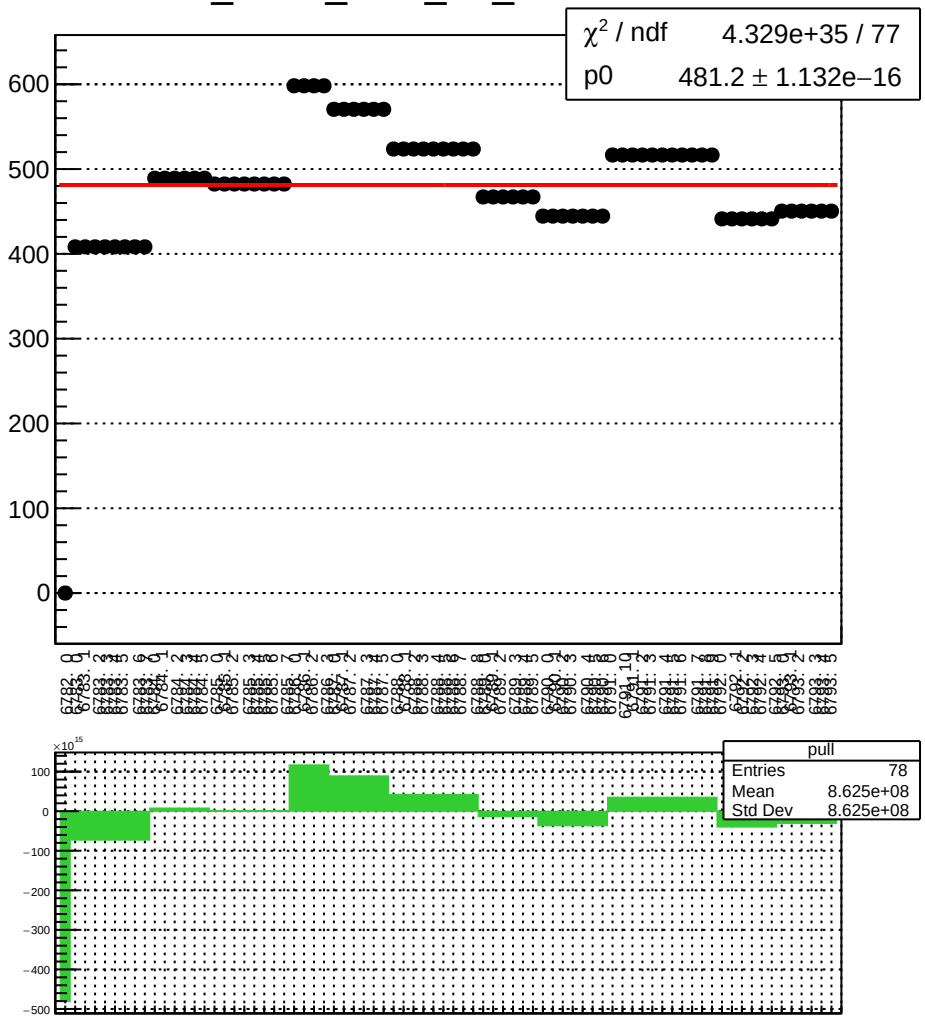

pull1D
Entries 78
Mean 0
Std Dev 0

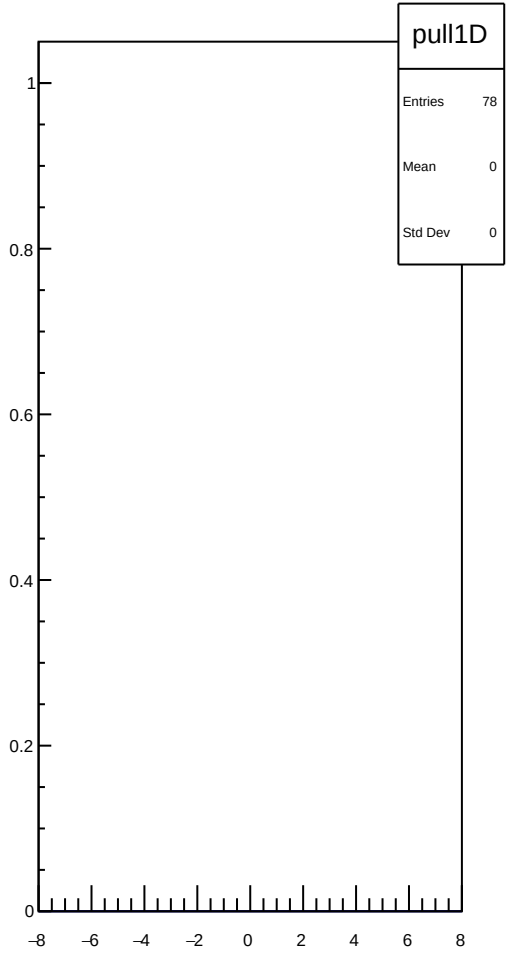

dit_sam1_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

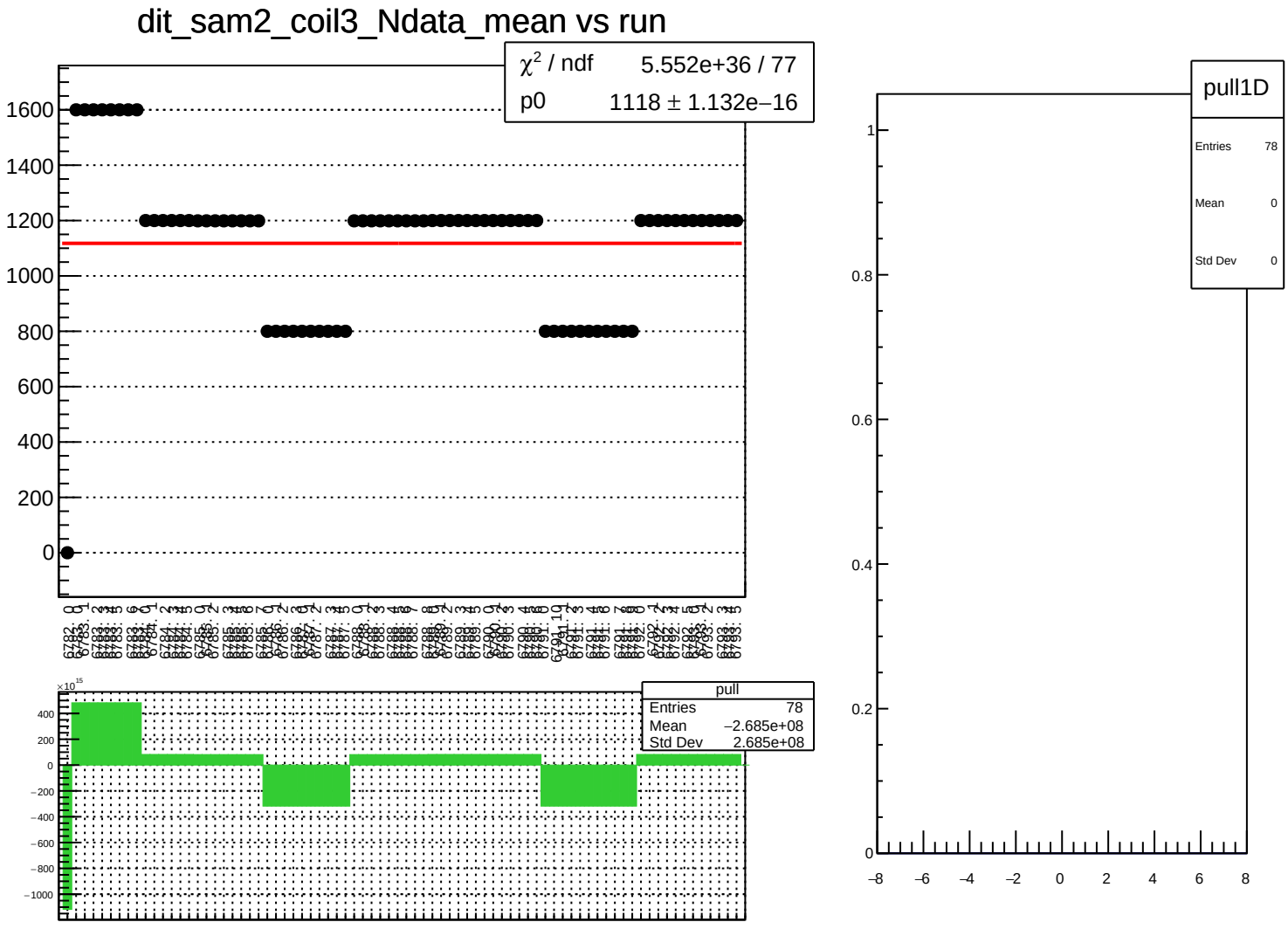

dit_sam2_coil3_mean vs run
χ² / ndf inf / 77
p0 1.975e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.13e+09
Std Dev 1.13e+09
×10¹⁸
0
−5
−10
−15
−20

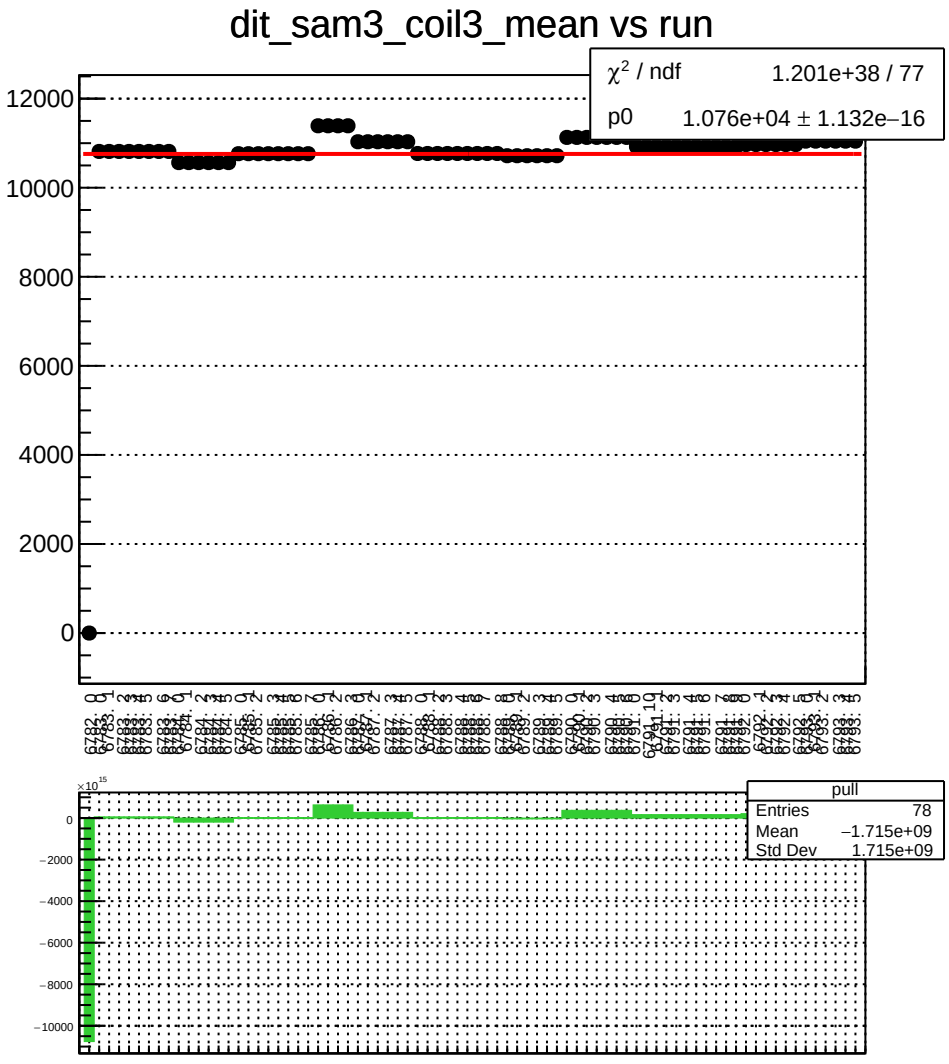

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

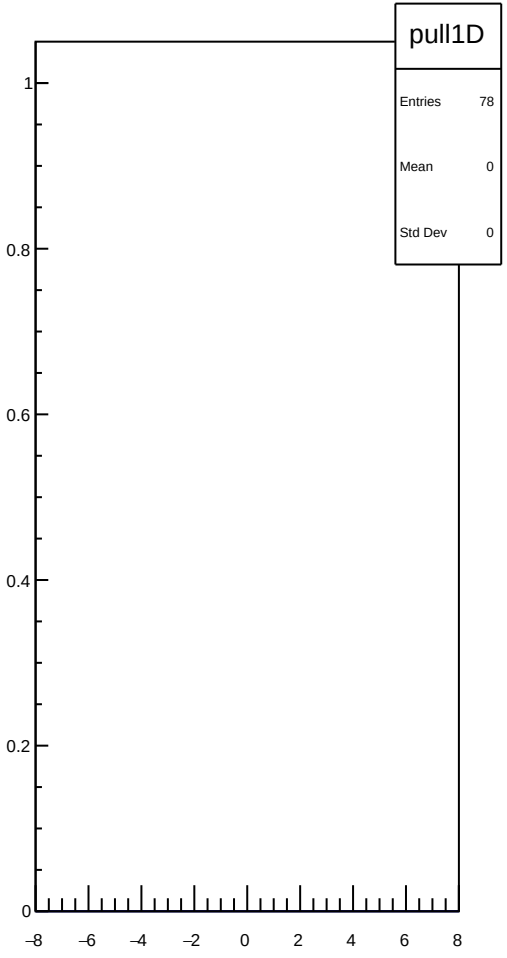
dit_sam2_coil3_err_mean vs run

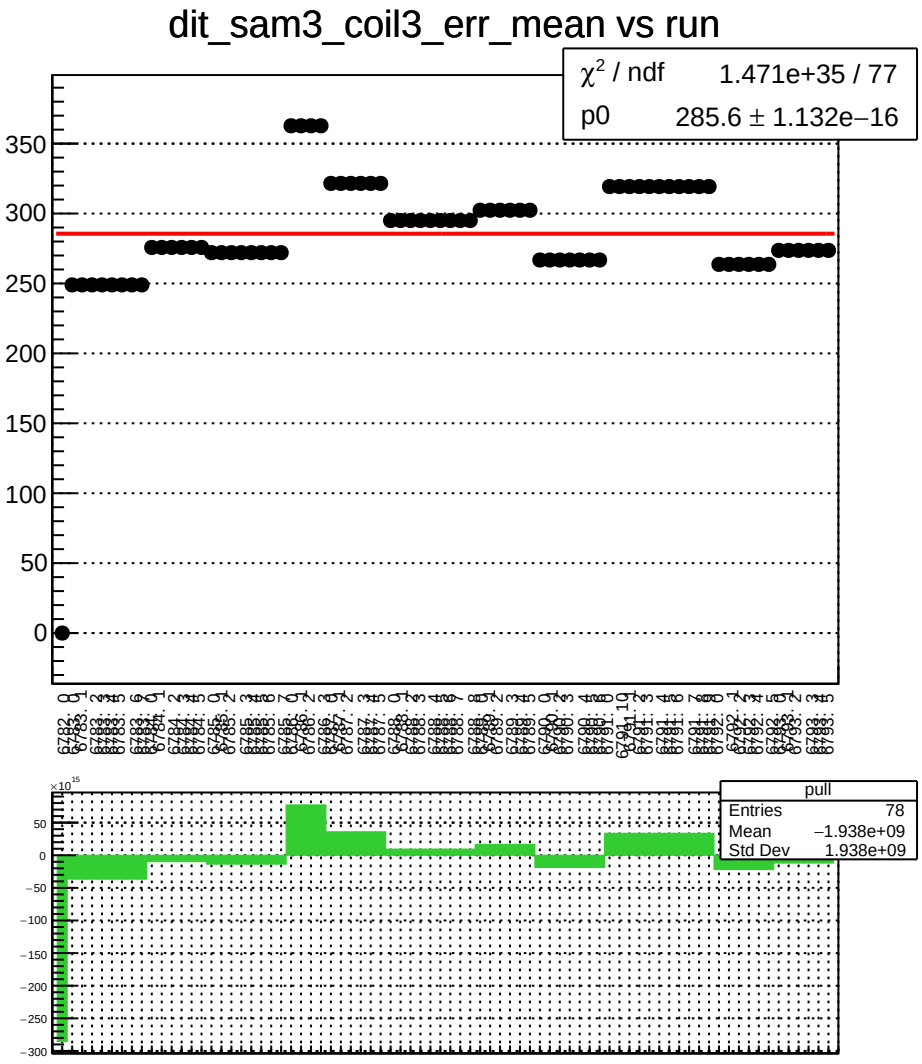


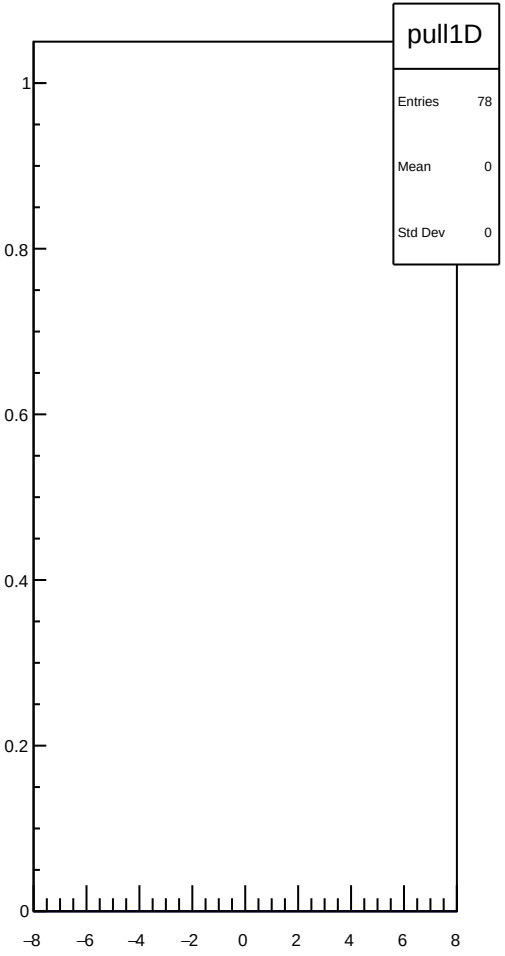


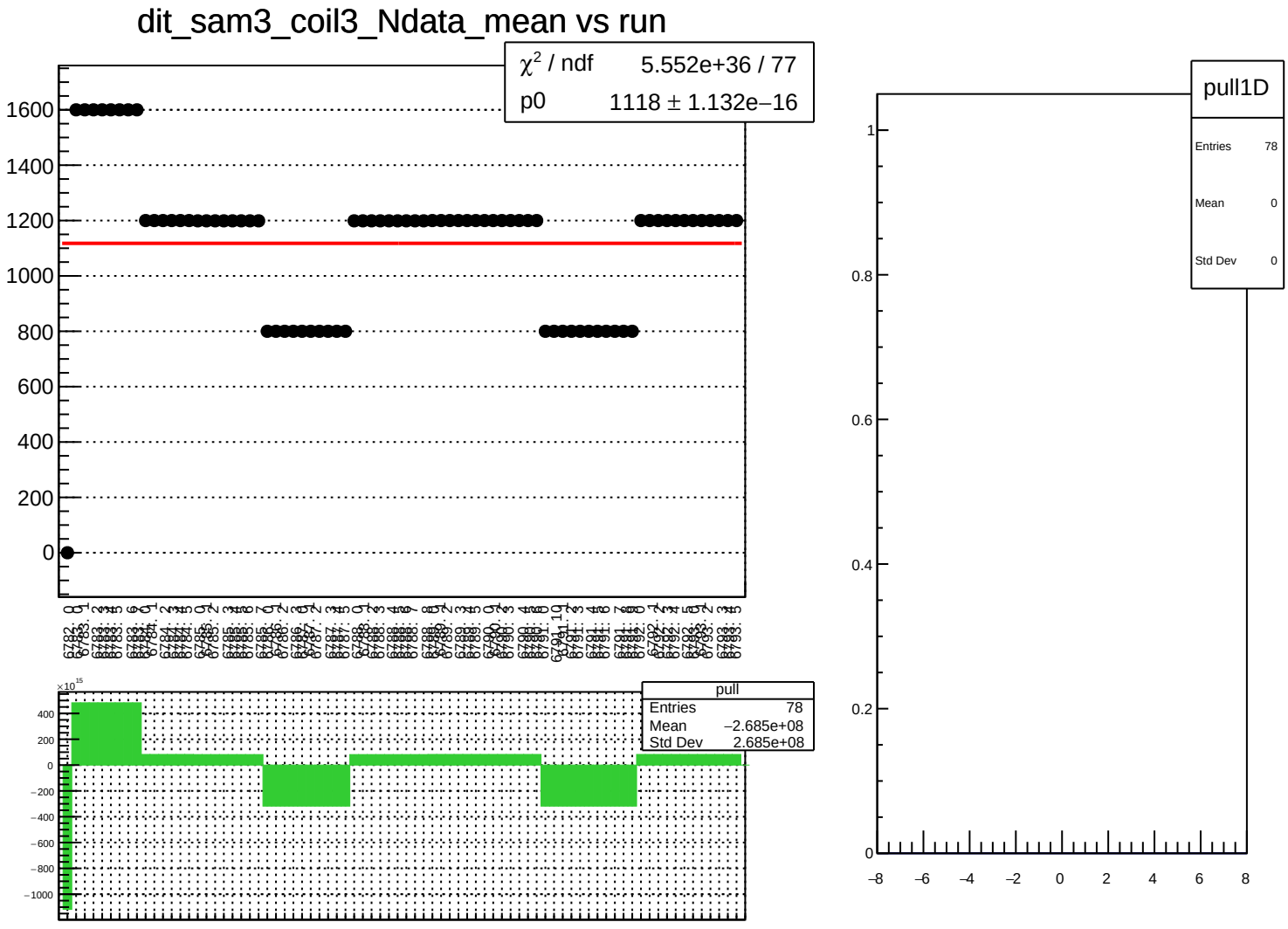

dit_sam2_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

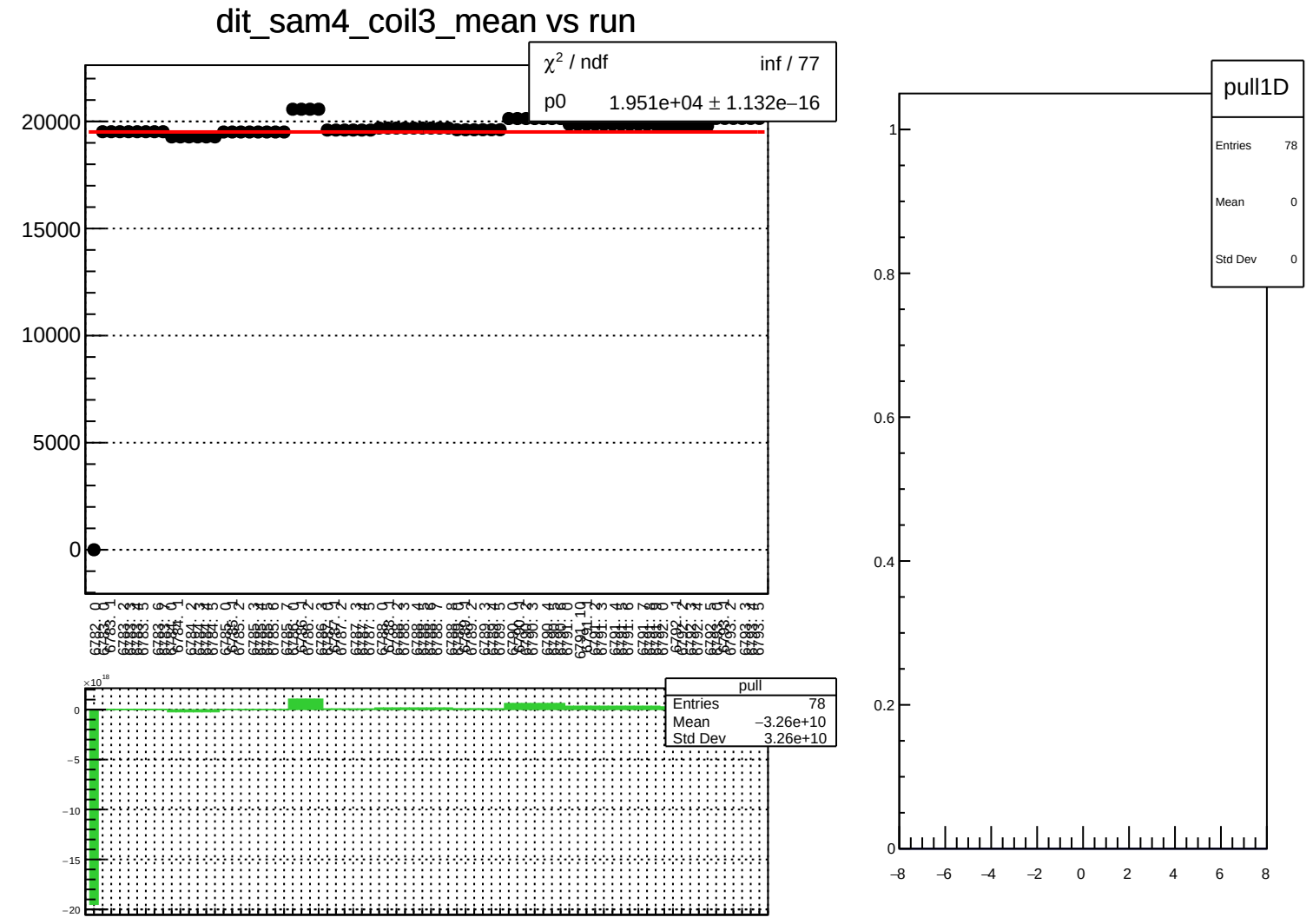

dit_sam3_coil3_mean vs run
χ^2 / ndf 1.201e+38 / 77
p0 1.076e+04 ± 1.132e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −1.715e+09
Std Dev 1.715e+09
×10^15
0
−2000
−4000
−6000
−8000
−10000

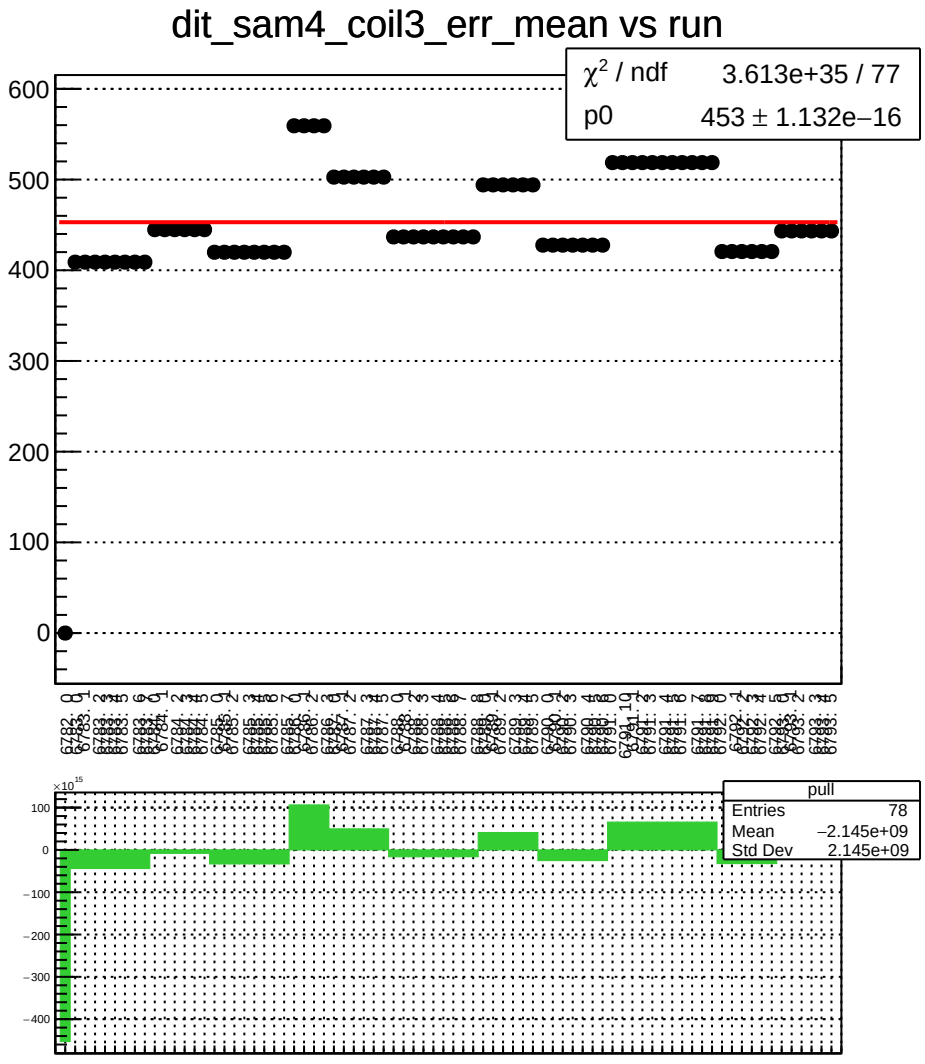

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

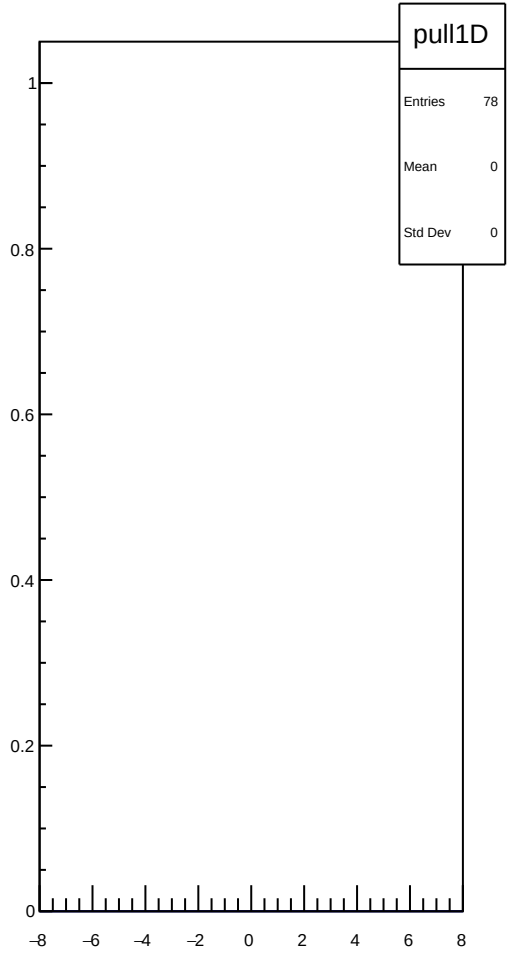

dit_sam3_coil3_err_mean vs run
χ^2 / ndf 1.471e+35 / 77
p0 285.6 ± 1.132e−16
pull
Entries 78
Mean −1.938e+09
Std Dev 1.938e+09

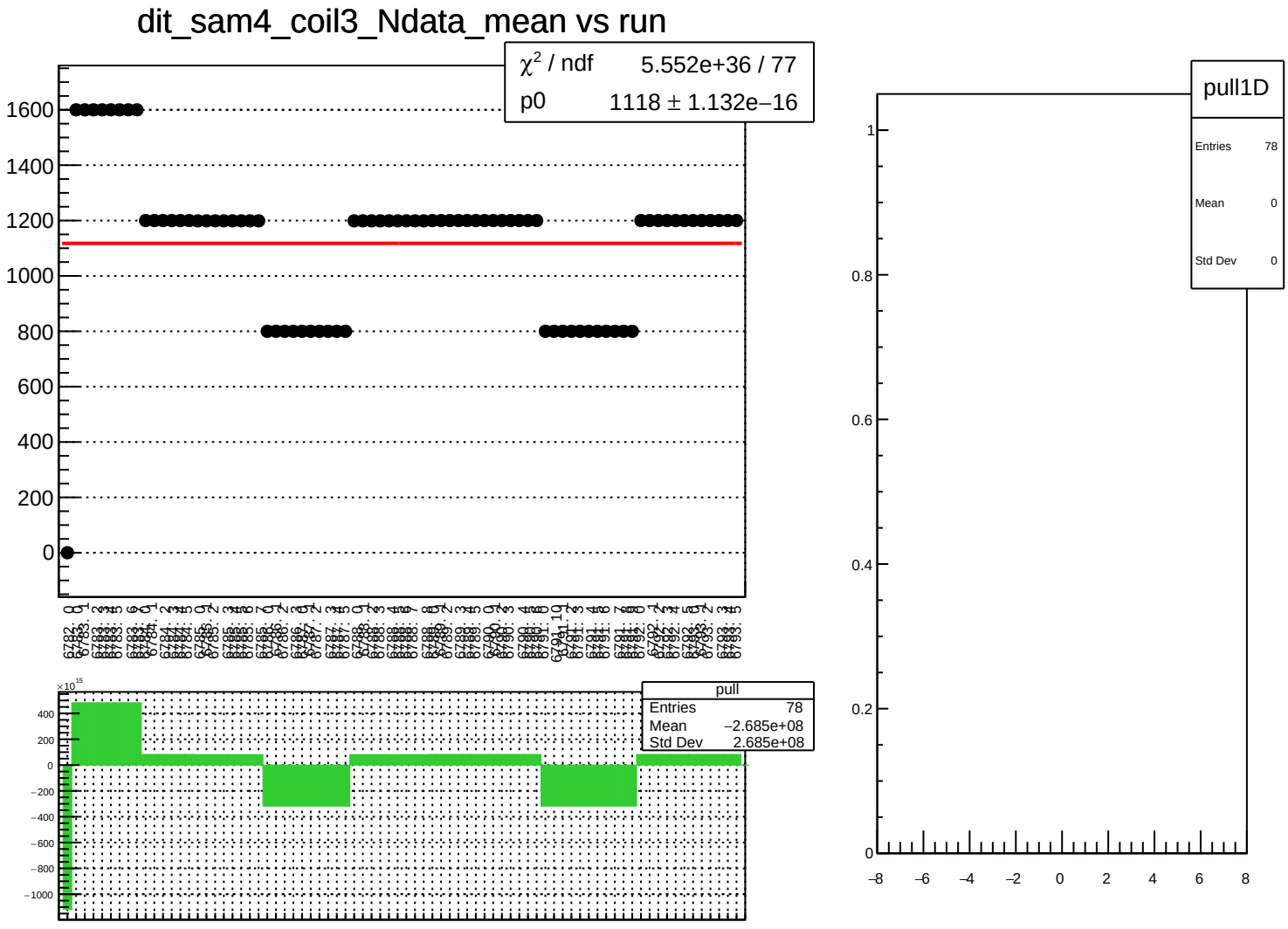

pull1D
Entries 78
Mean 0
Std Dev 0

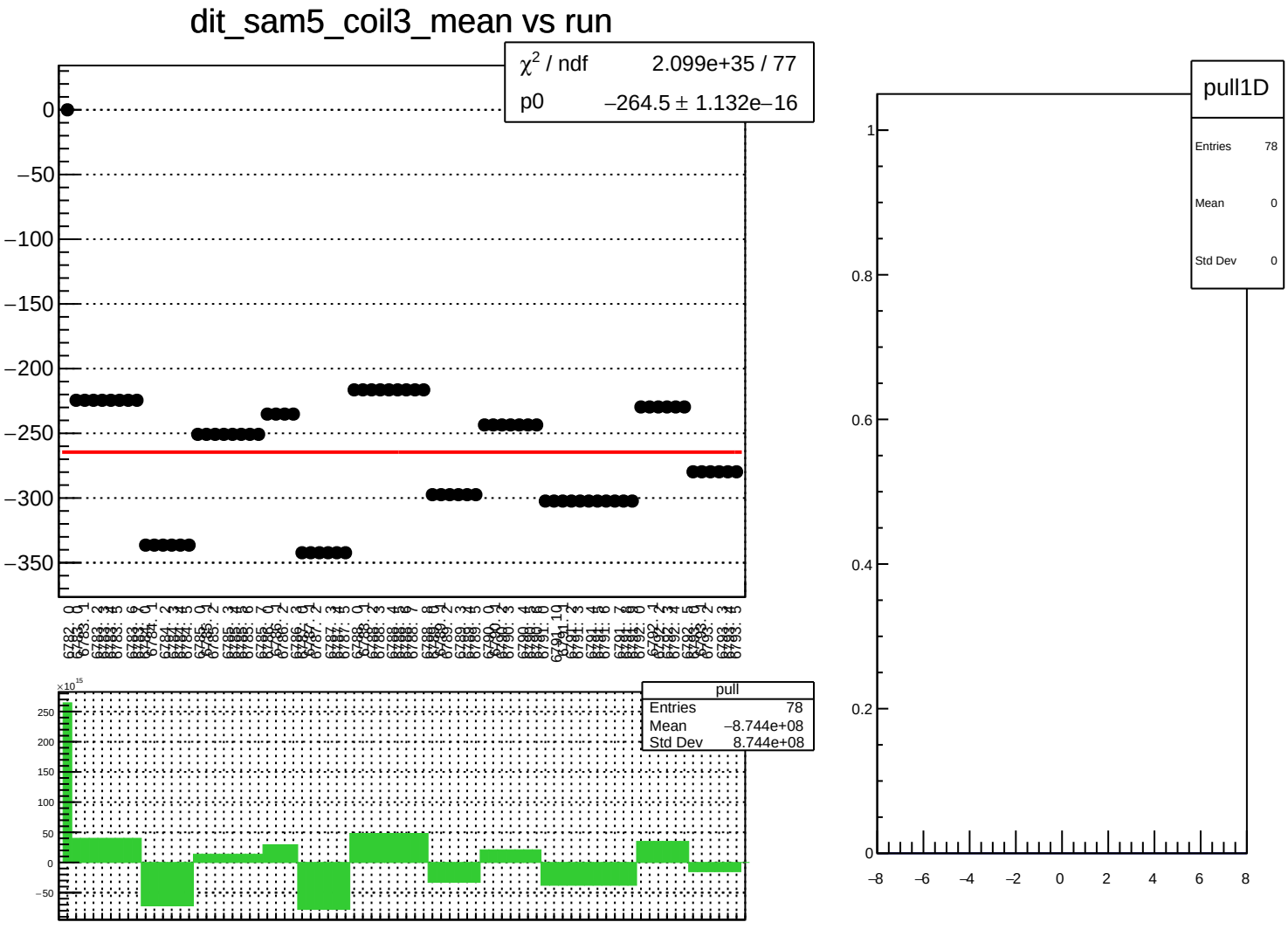

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

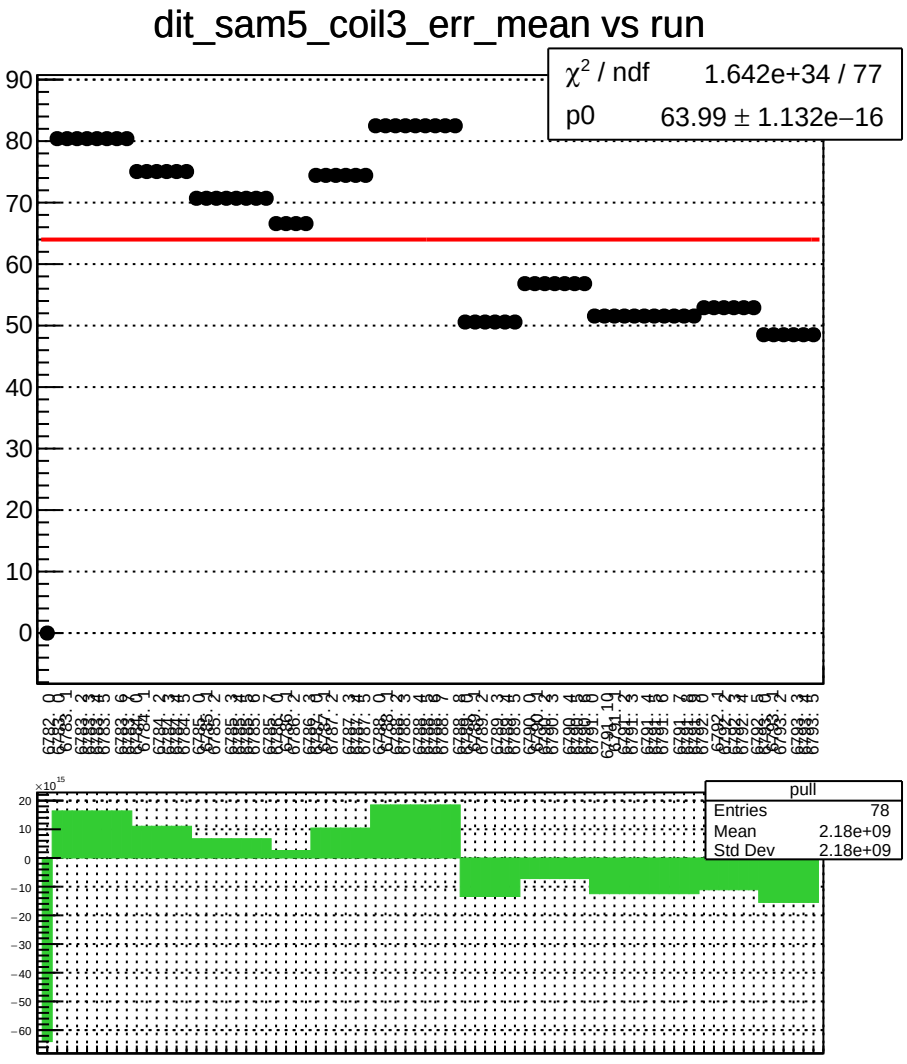

dit_sam4_coil3_mean vs run
χ² / ndf inf / 77
p0 1.951e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −3.26e+10
Std Dev 3.26e+10
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

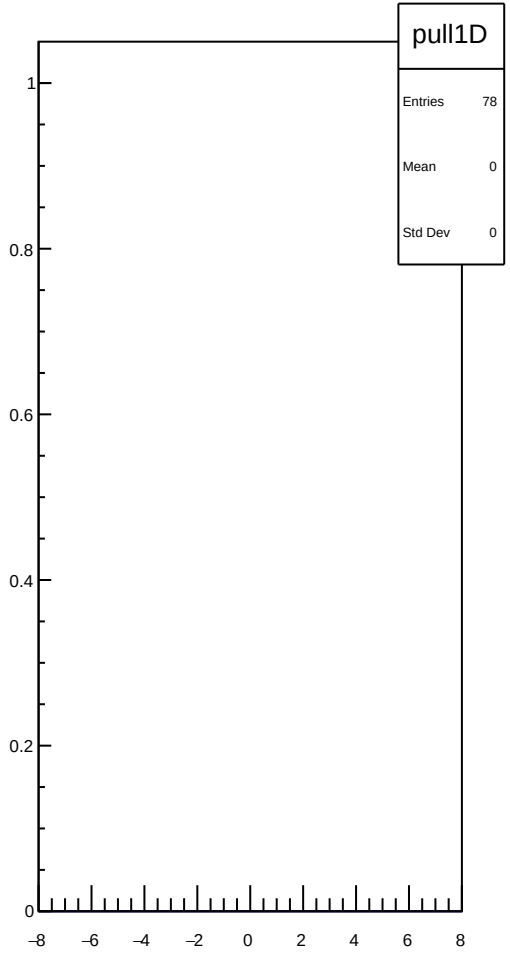

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 3.613e+35 / 77
p0 453 ± 1.132e−16
pull
Entries 78
Mean −2.145e+09
Std Dev 2.145e+09

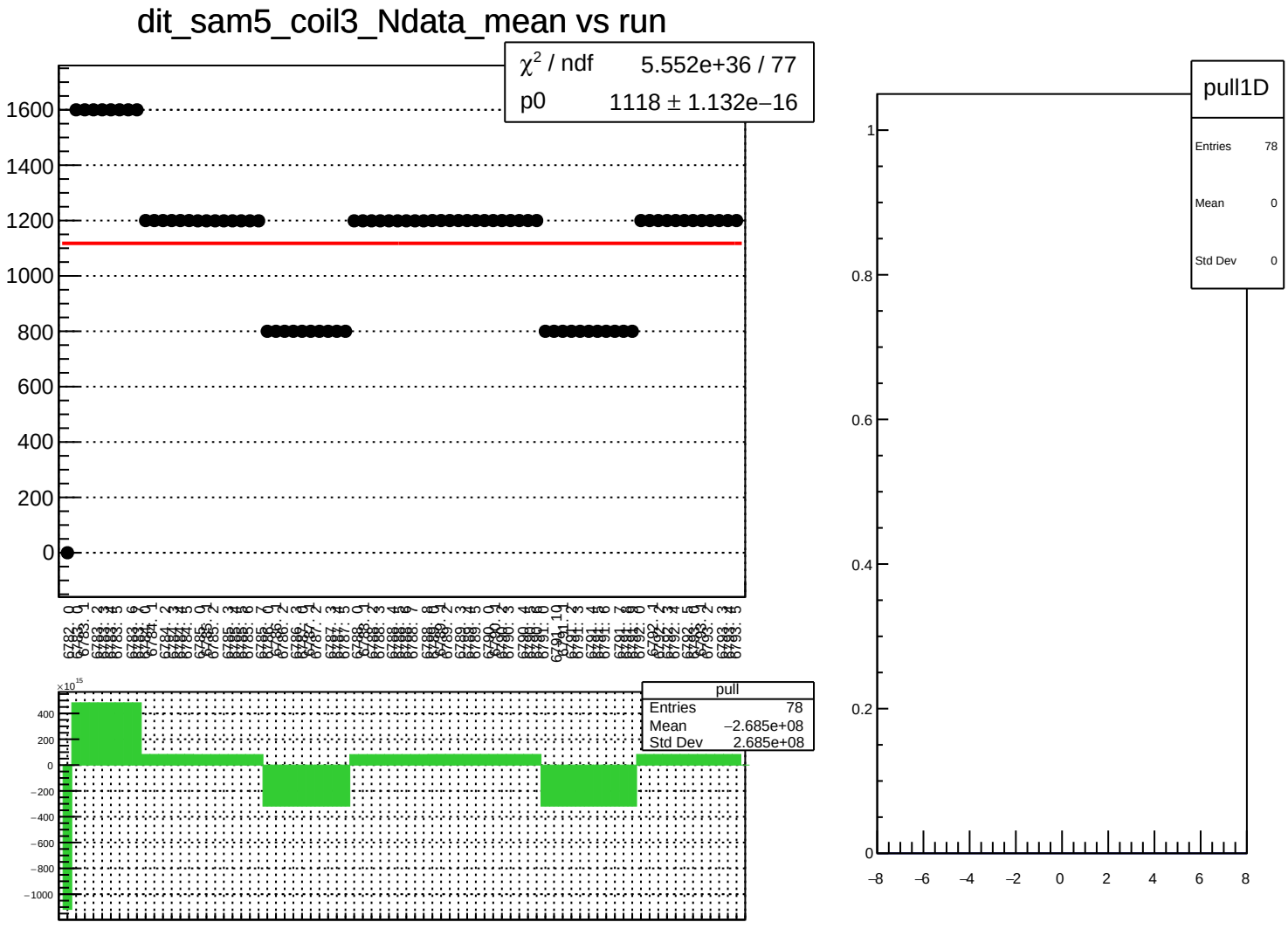

pull1D
Entries 78
Mean 0
Std Dev 0

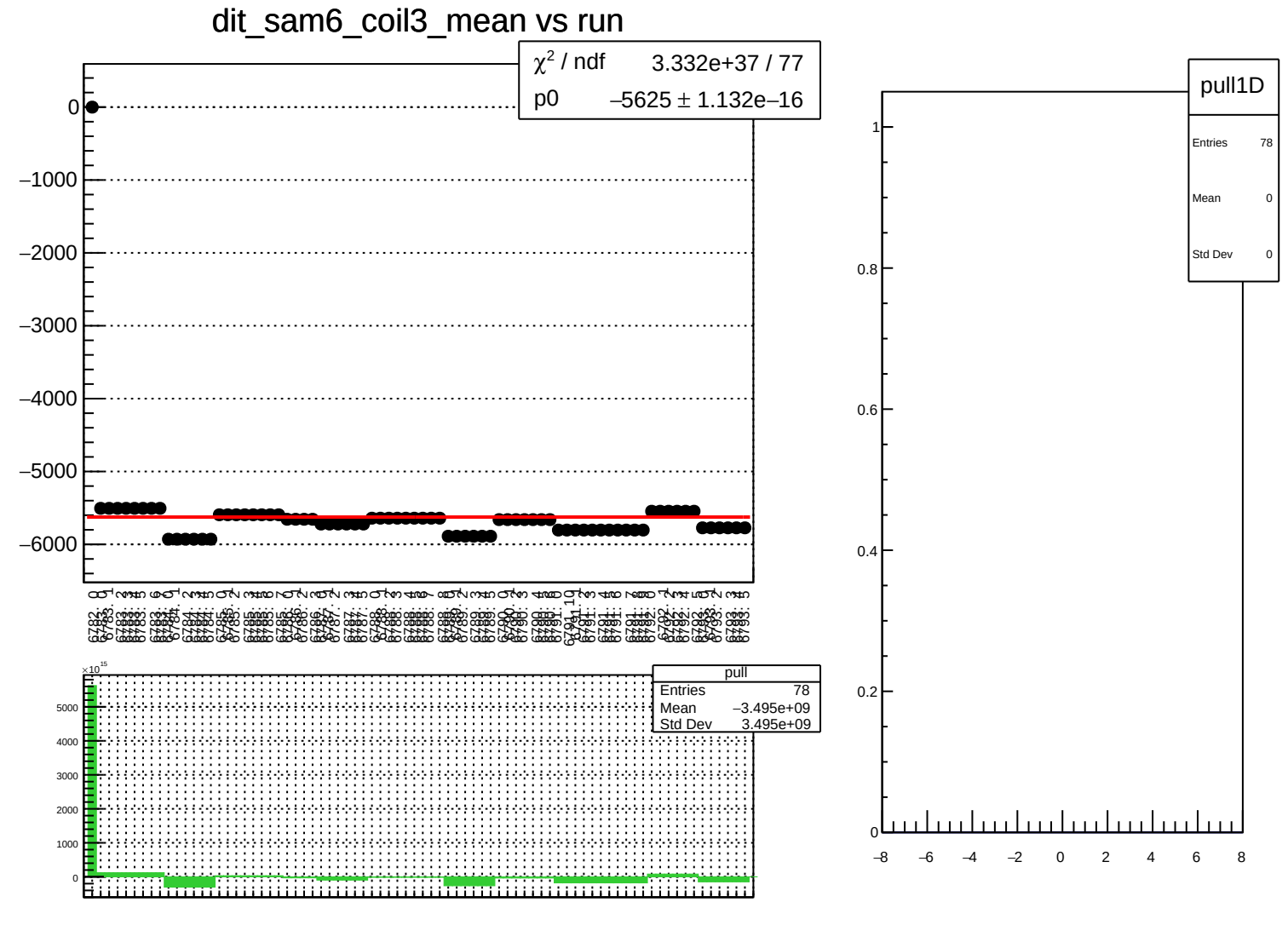

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

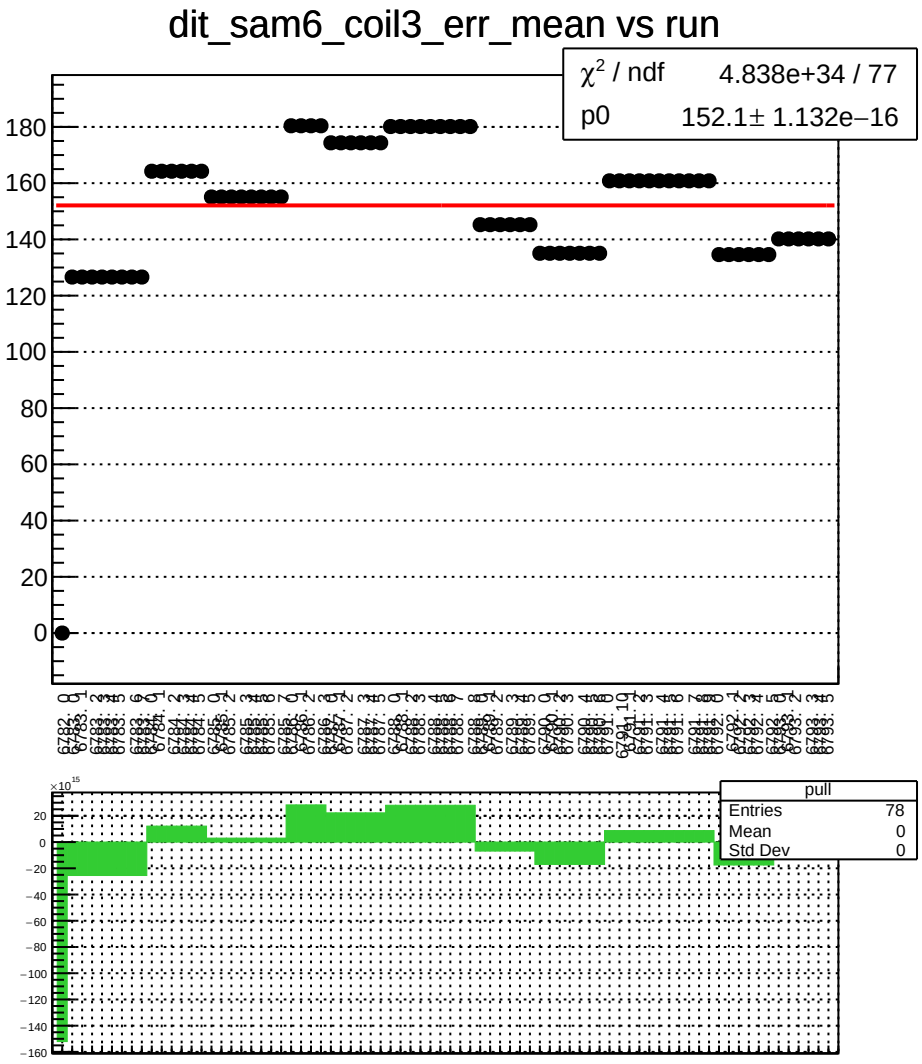

dit_sam5_coil3_mean vs run
χ² / ndf 2.099e+35 / 77
p0 −264.5 ± 1.132e−16
pull
Entries 78
Mean −8.744e+08
Std Dev 8.744e+08
pull1D
Entries 78
Mean 0
Std Dev 0

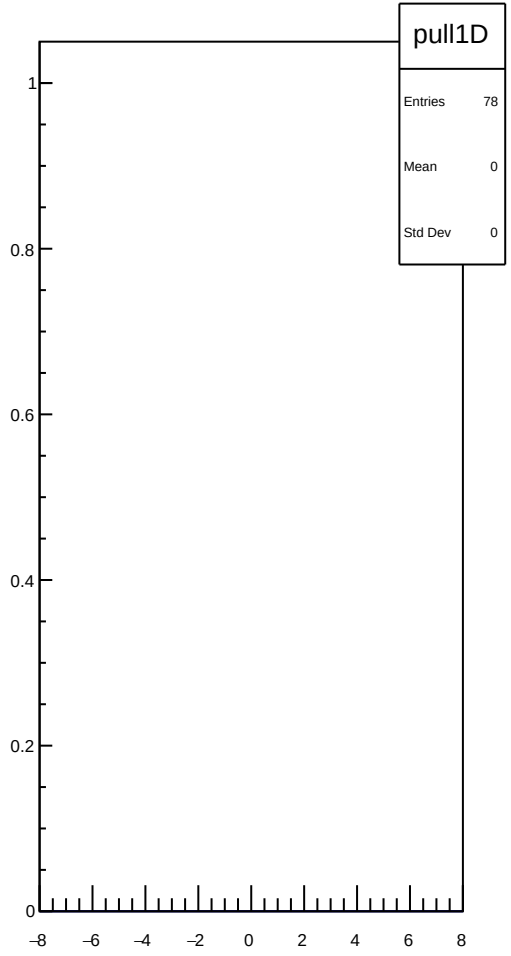

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.642e+34 / 77
p0 63.99 ± 1.132e−16
pull
Entries 78
Mean 2.18e+09
Std Dev 2.18e+09

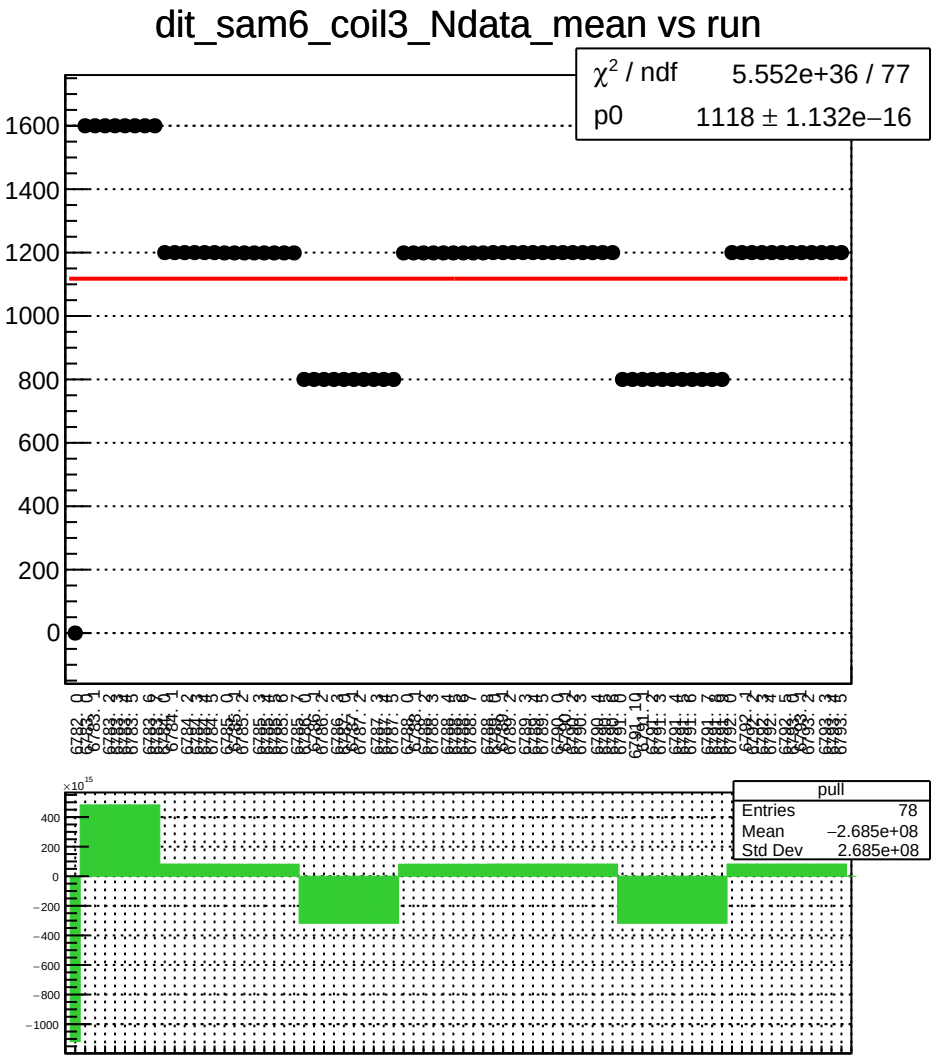

pull1D
Entries 78
Mean 0
Std Dev 0

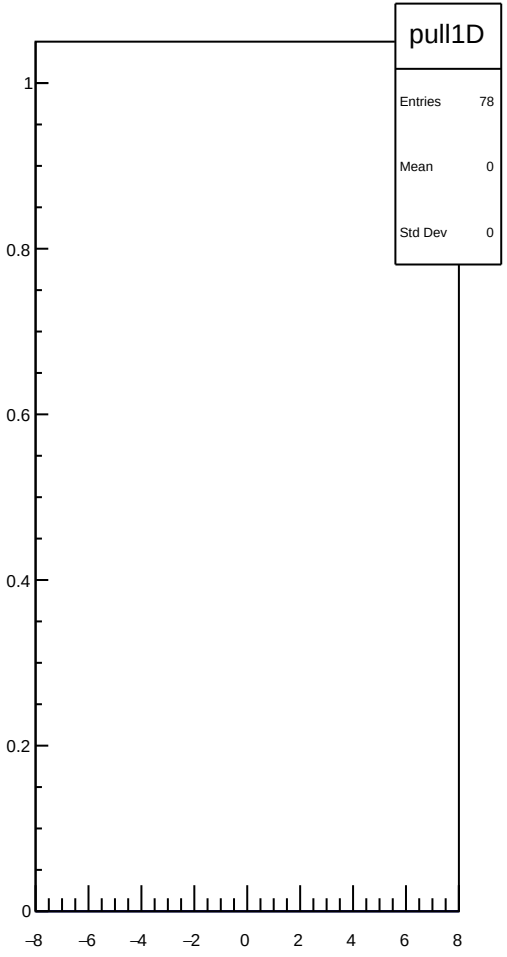

dit_sam5_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

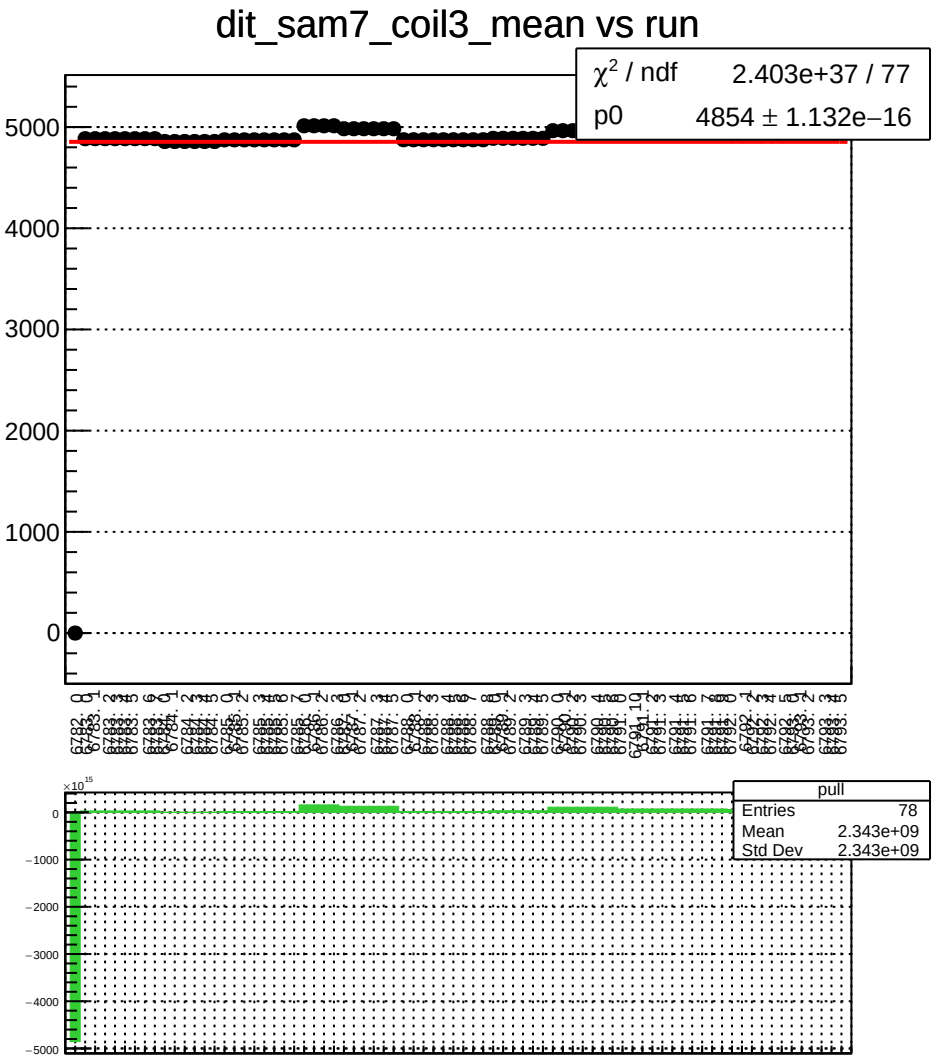

dit_sam6_coil3_mean vs run
χ^2 / ndf 3.332e+37 / 77
p0 –5625 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 78
Mean –3.495e+09
Std Dev 3.495e+09
×10^15
5000
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

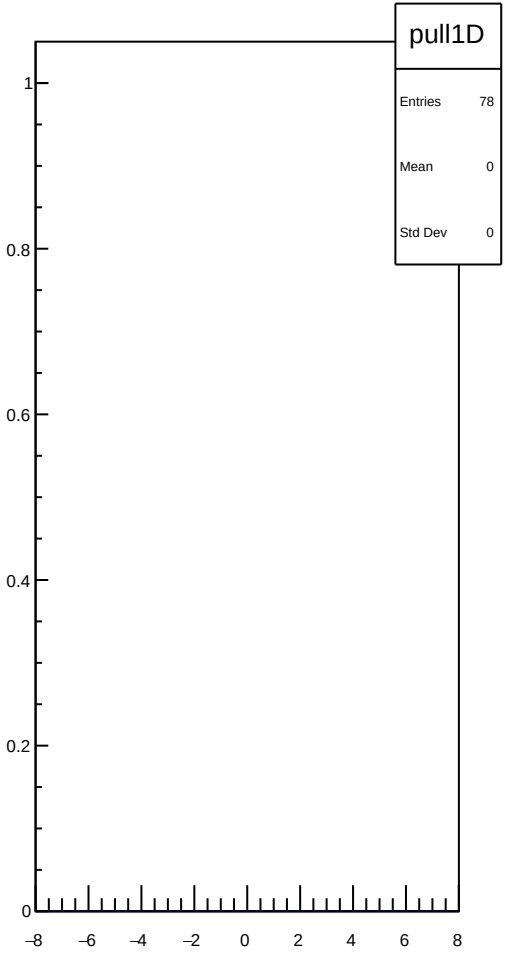

dit_sam6_coil3_err_mean vs run
χ^2 / ndf 4.838e+34 / 77
p0 152.1± 1.132e−16
pull
Entries 78
Mean 0
Std Dev 0


pull1D
Entries 78
Mean 0
Std Dev 0

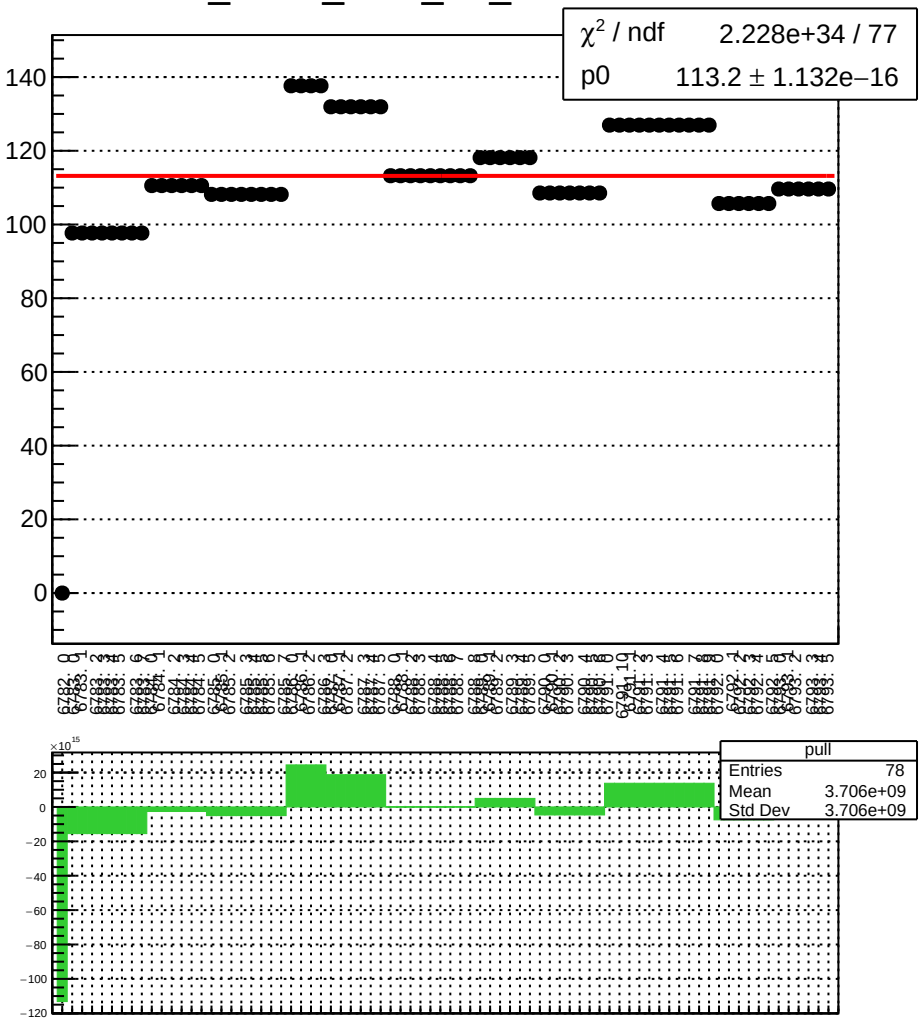

dit_sam6_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08

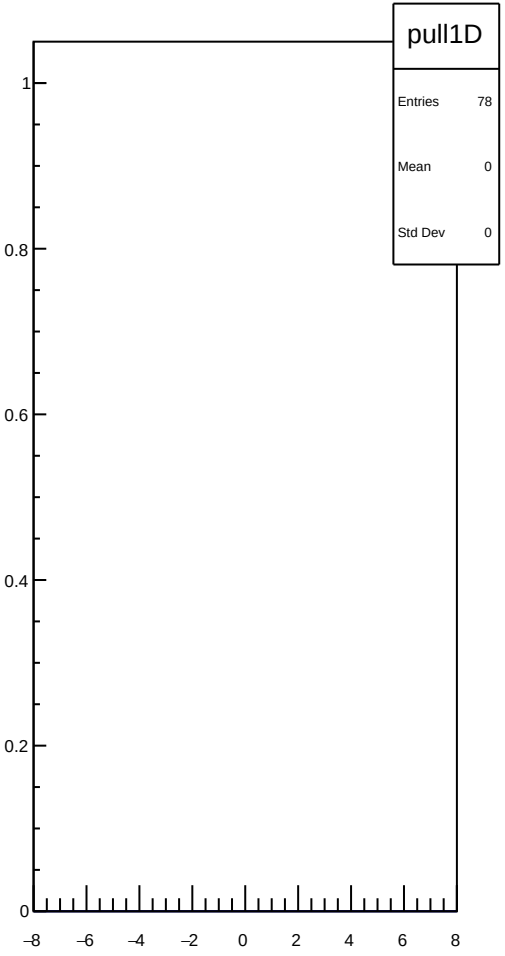

pull1D
Entries 78
Mean 0
Std Dev 0

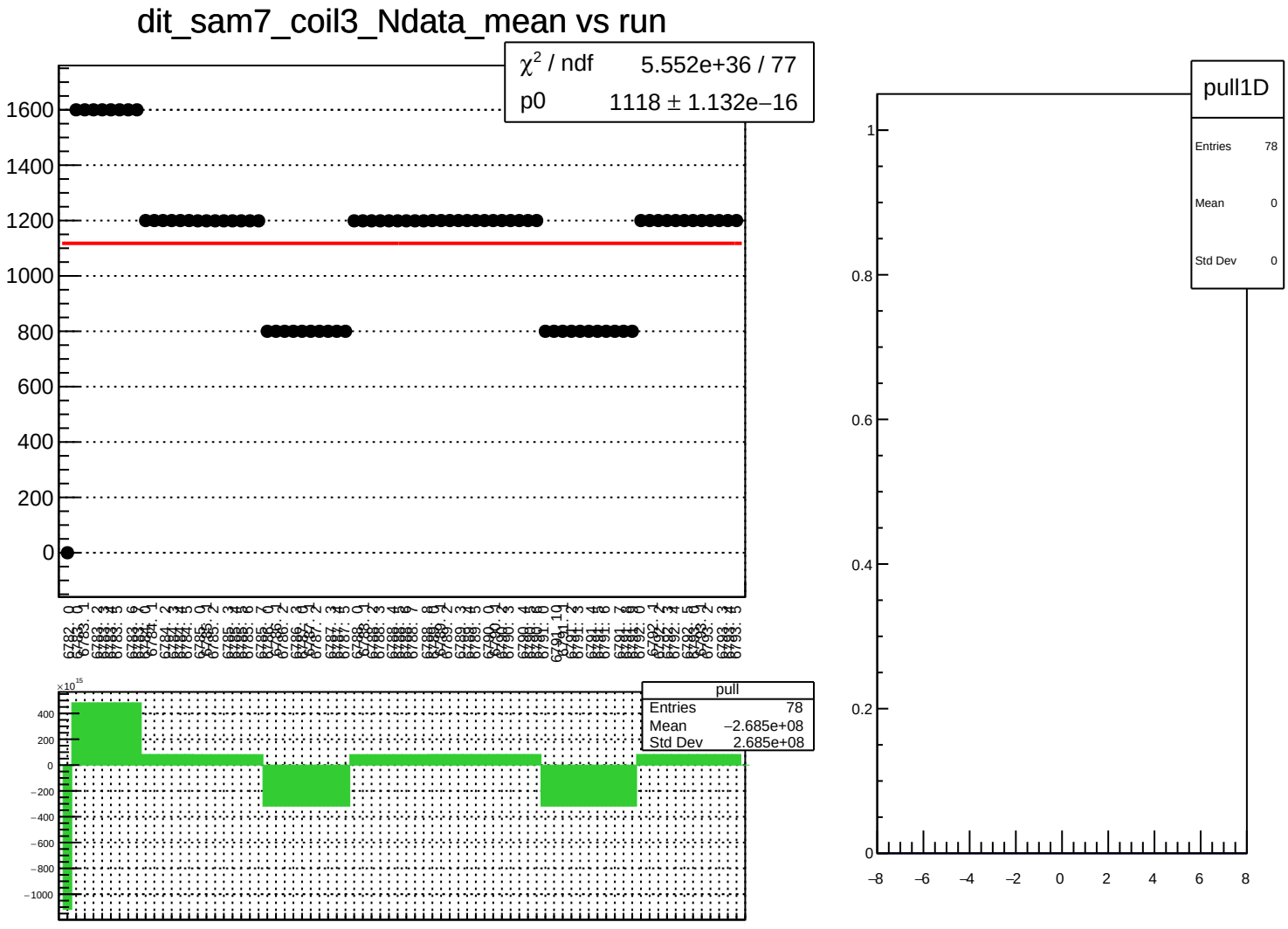

dit_sam7_coil3_mean vs run
χ^2 / ndf 2.403e+37 / 77
p0 4854 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 2.343e+09
Std Dev 2.343e+09
×10^15
0
−1000
−2000
−3000
−4000
−5000

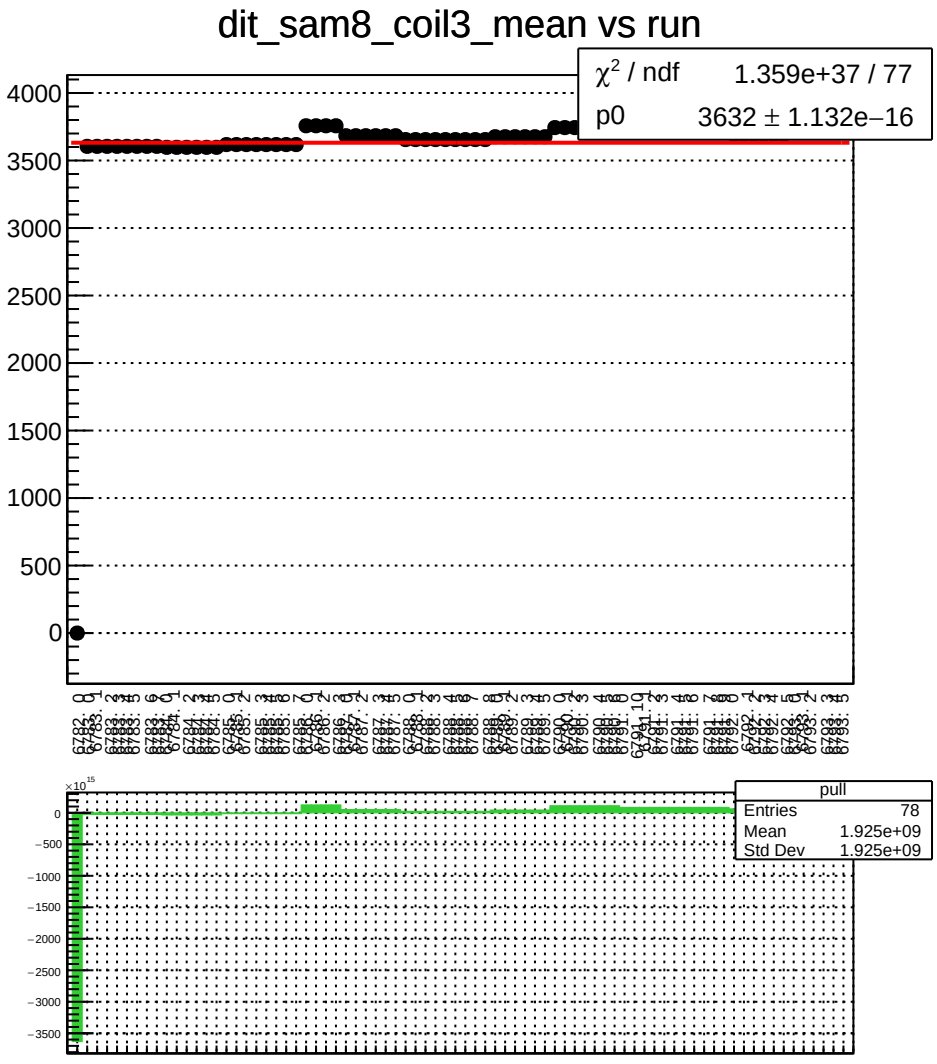

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

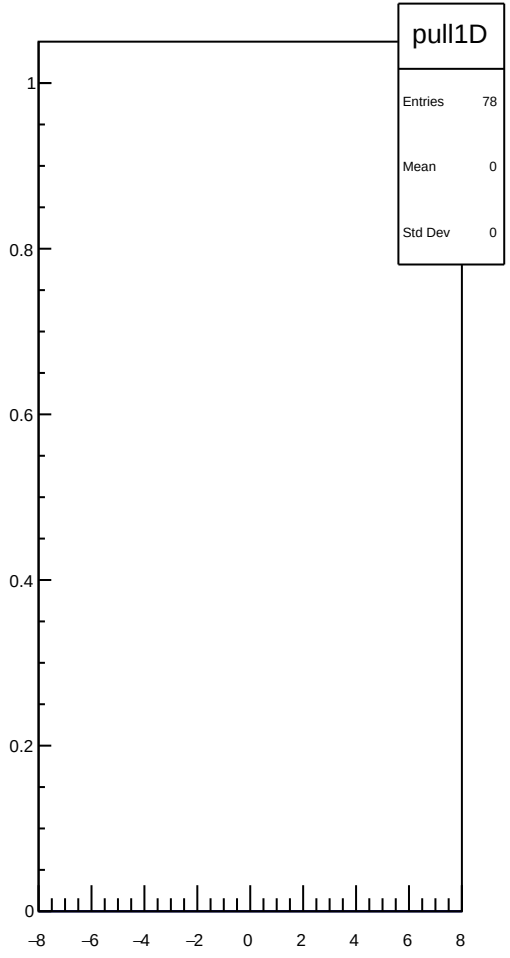
dit_sam7_coil3_err_mean vs run



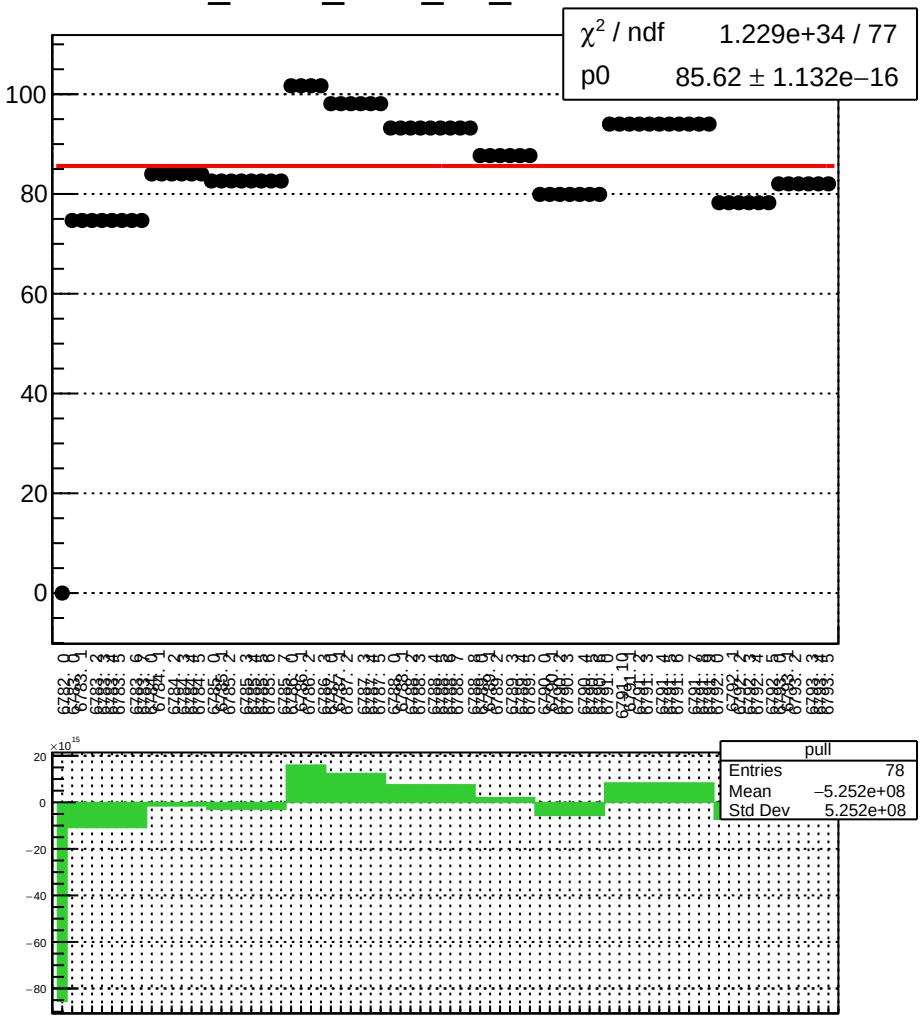


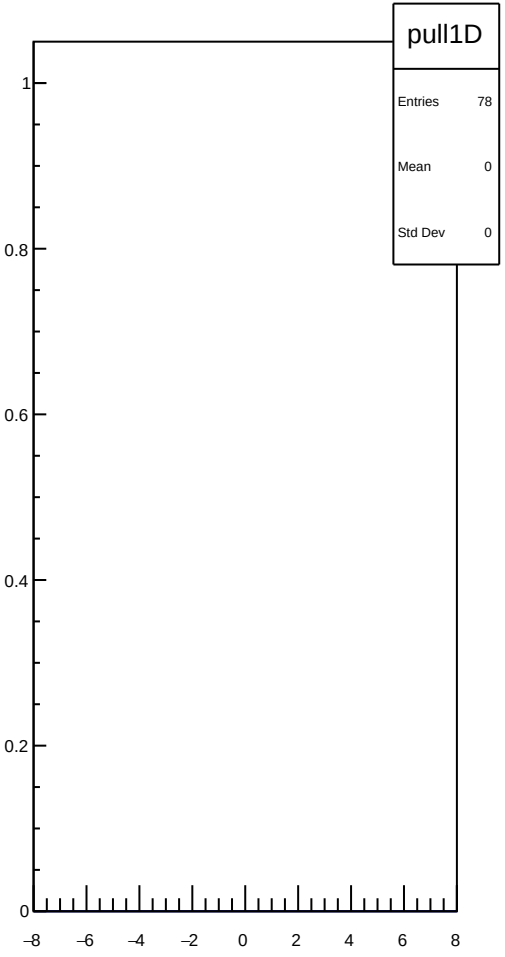

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

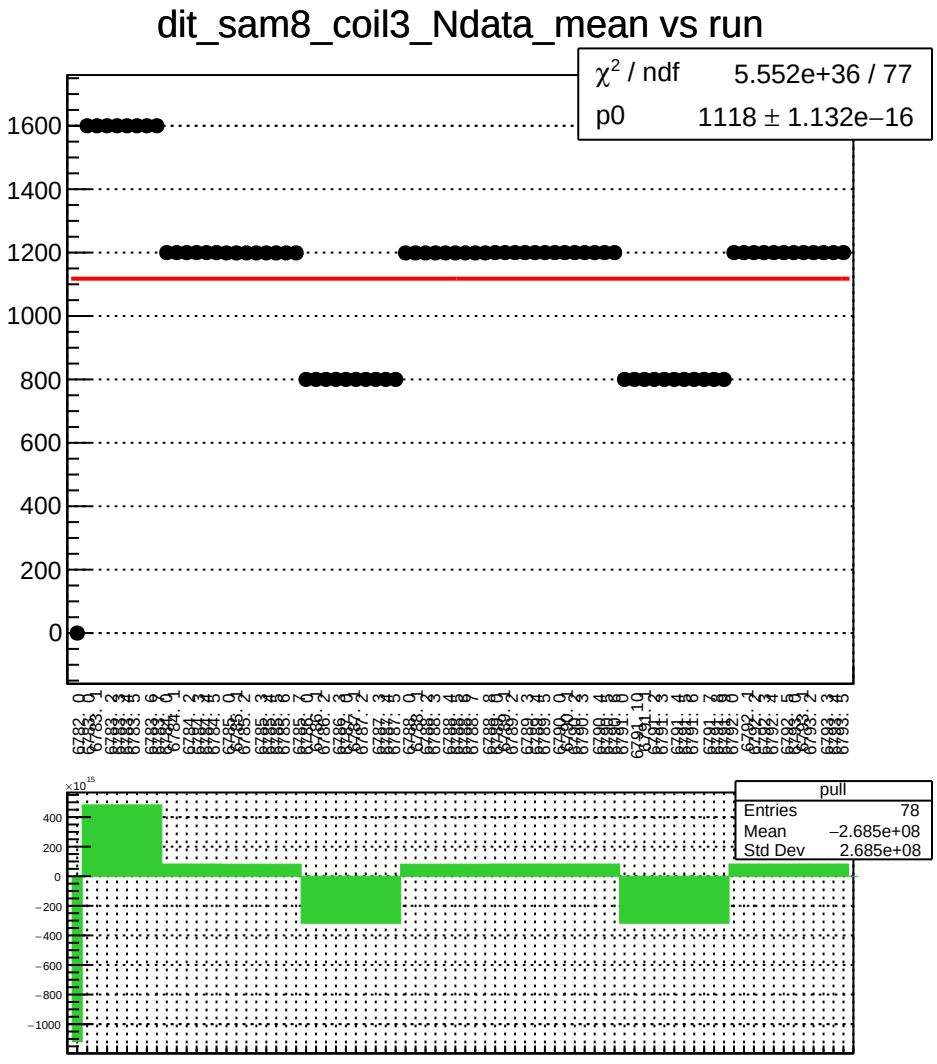

dit_sam8_coil3_mean vs run
χ^2 / ndf 1.359e+37 / 77
p0 3632 ± 1.132e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean 1.925e+09
Std Dev 1.925e+09
×10^15
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

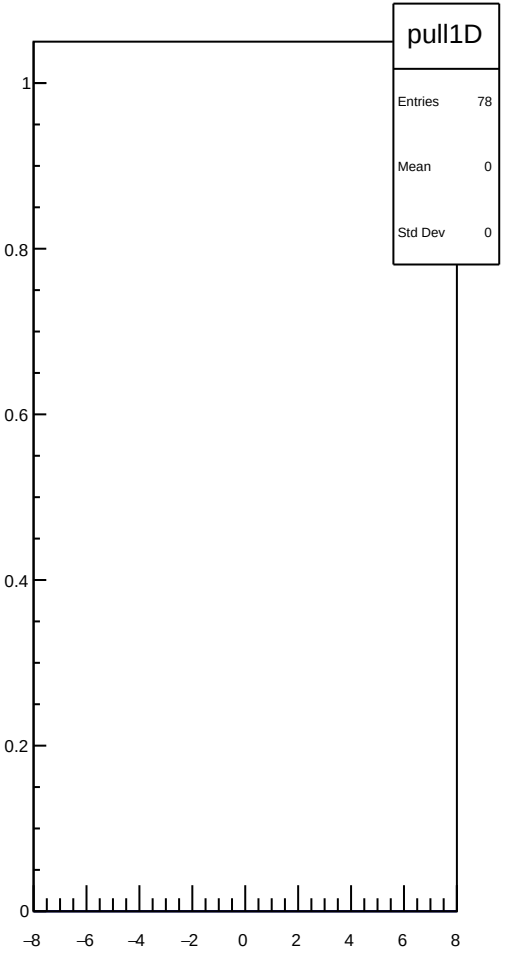

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

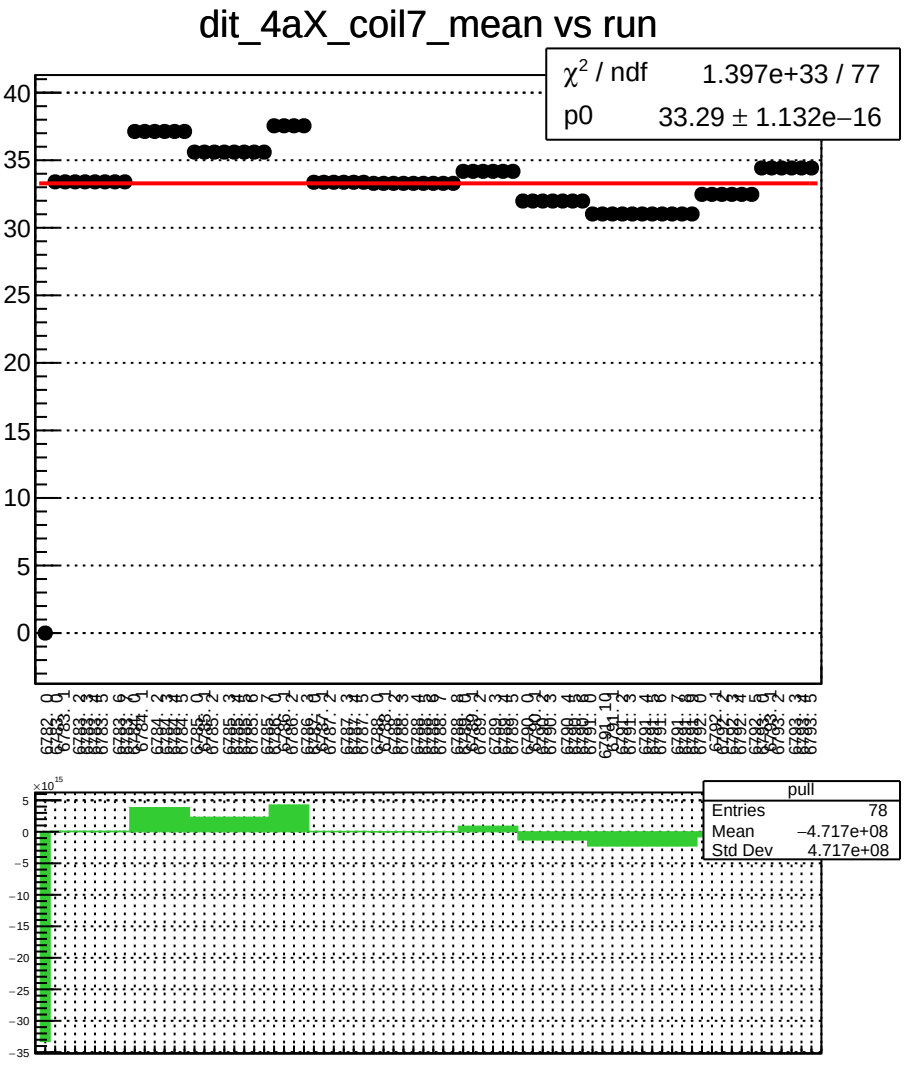
dit_sam8_coil3_err_mean vs run

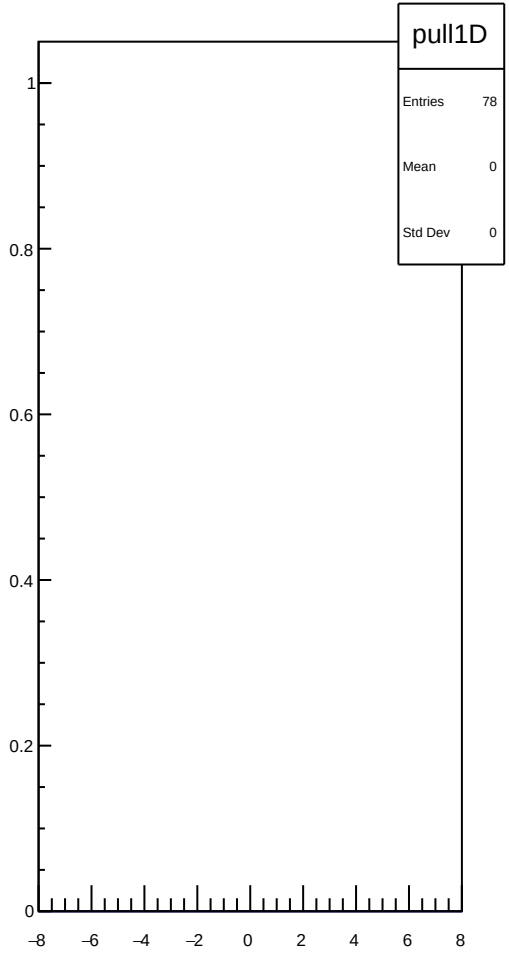




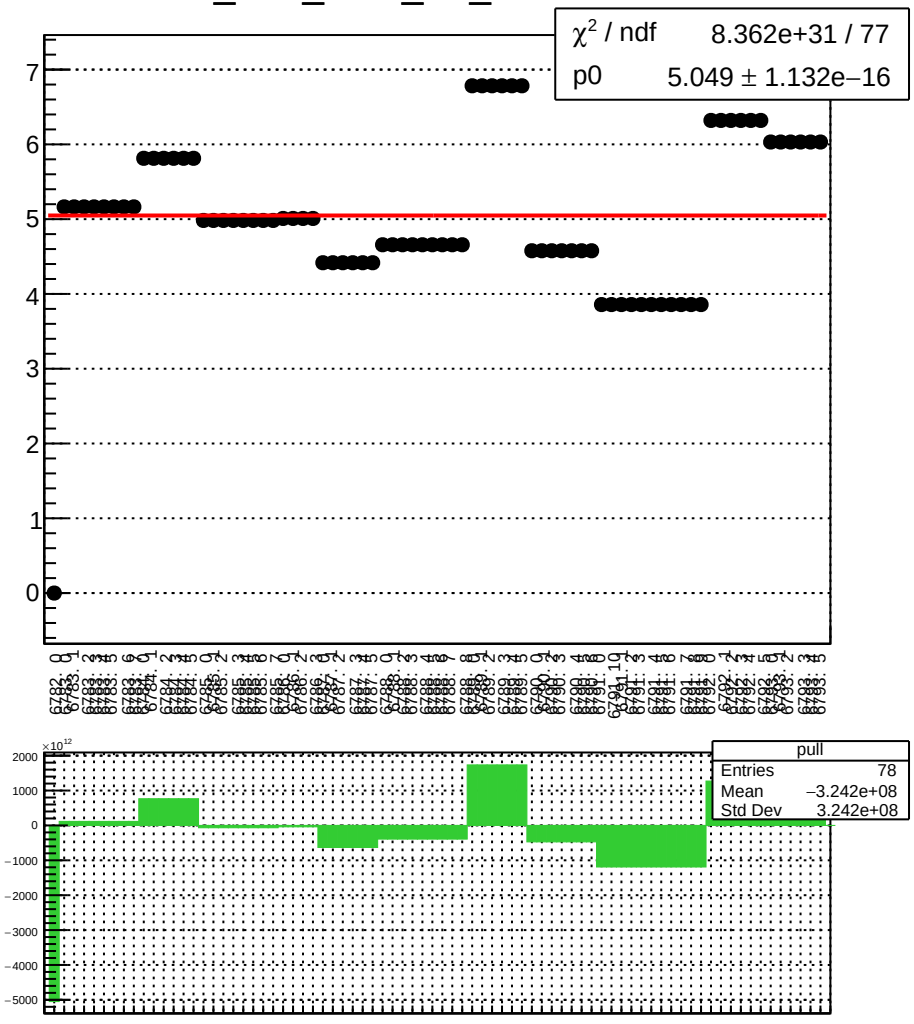

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08

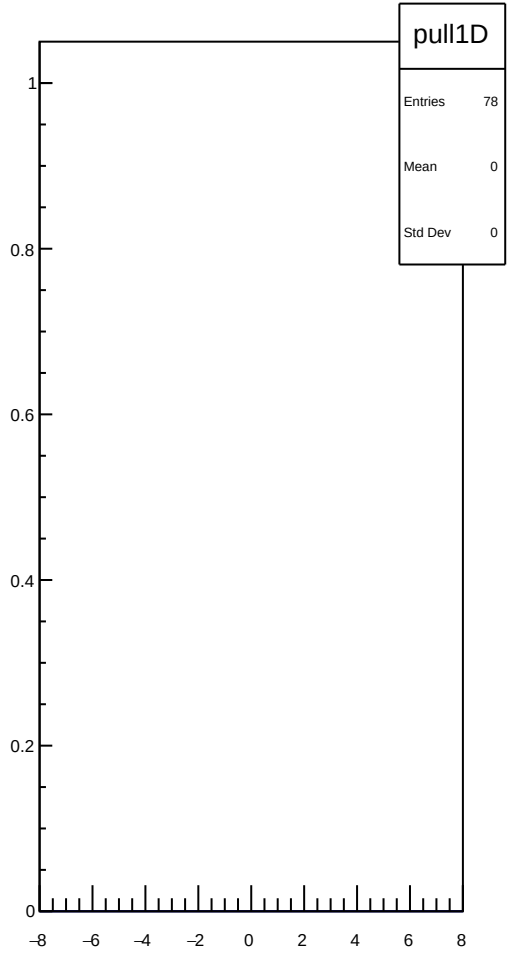

pull1D
Entries 78
Mean 0
Std Dev 0


dit_4aX_coil7_mean vs run
χ^2 / ndf 1.397e+33 / 77
p0 33.29 ± 1.132e−16
pull
Entries 78
Mean −4.717e+08
Std Dev 4.717e+08

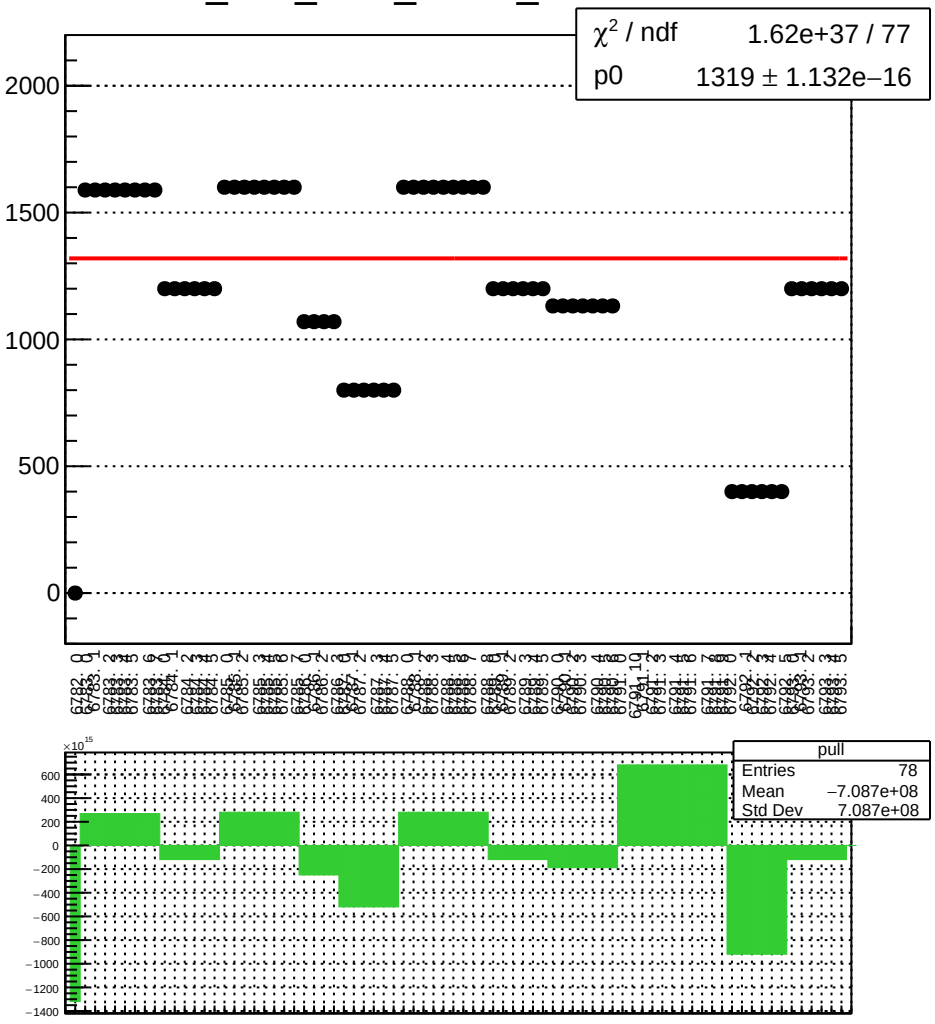

pull1D
Entries 78
Mean 0
Std Dev 0

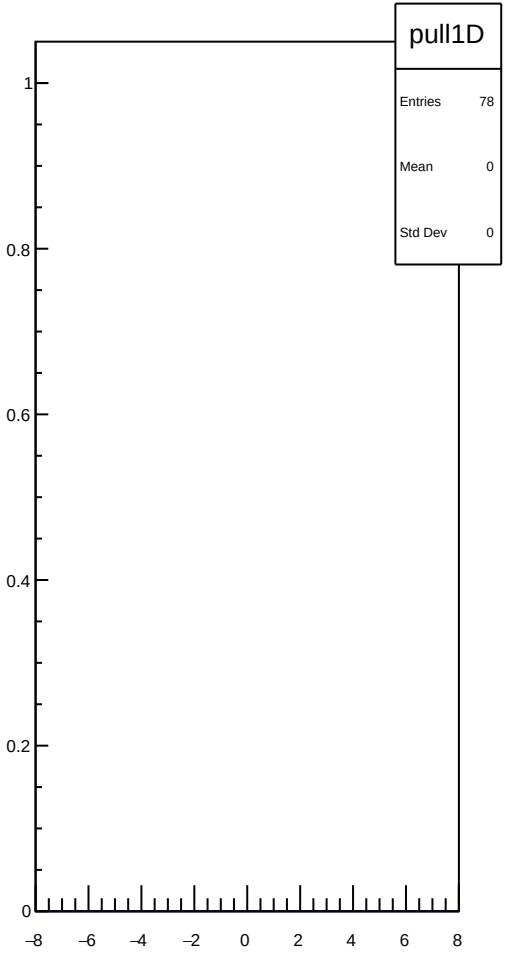
dit_4aX_coil7_err_mean vs run

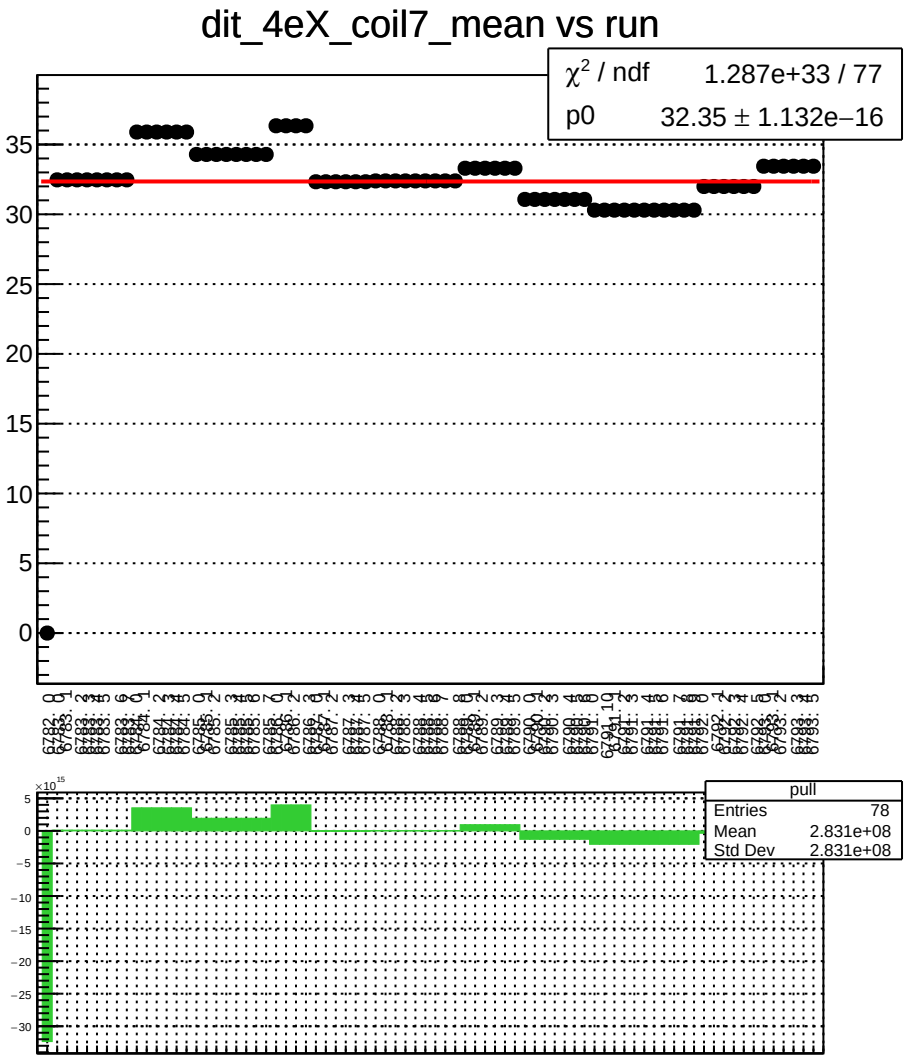


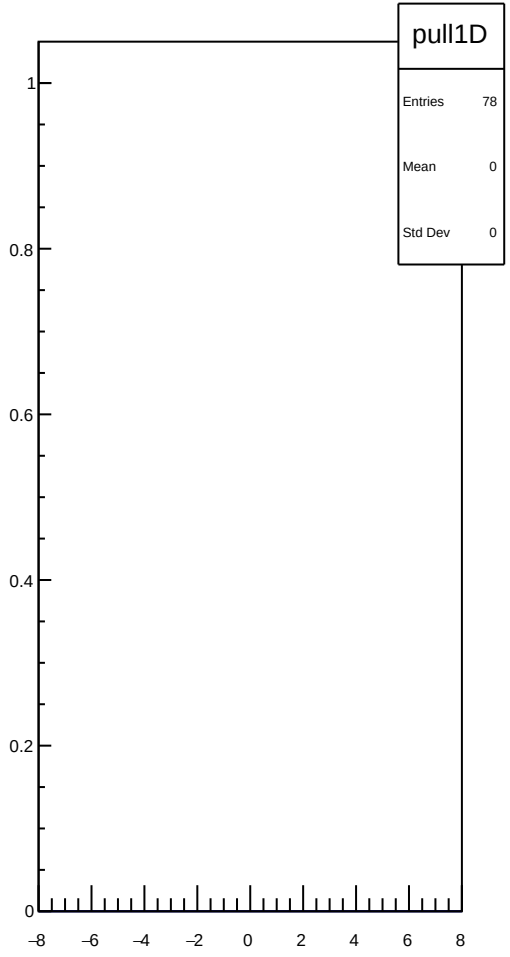


dit_4aX_coil7_Ndata_mean vs run

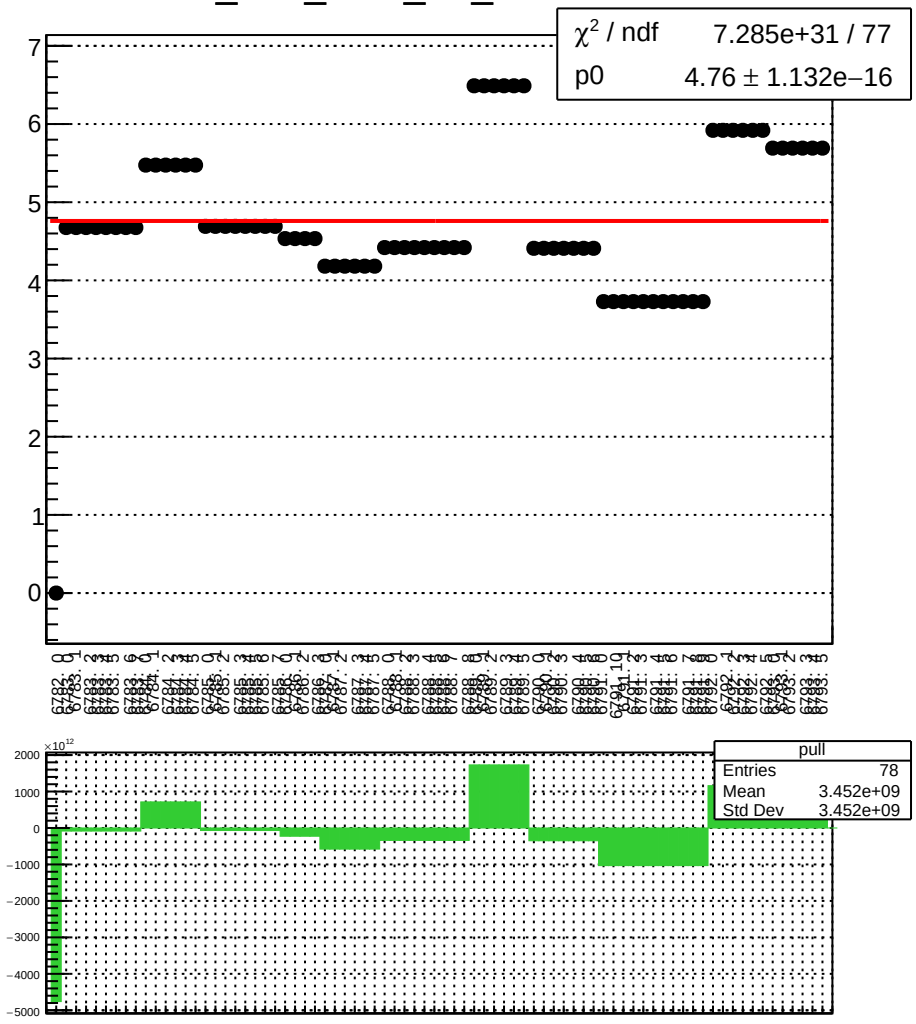


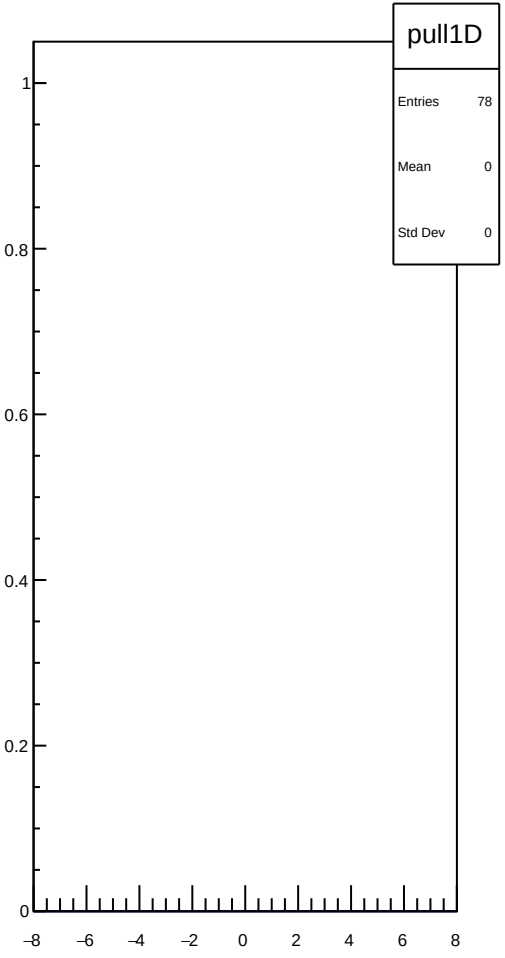



dit_4eX_coil7_mean vs run
χ^2 / ndf 1.287e+33 / 77
p0 32.35 ± 1.132e−16
pull
Entries 78
Mean 2.831e+08
Std Dev 2.831e+08

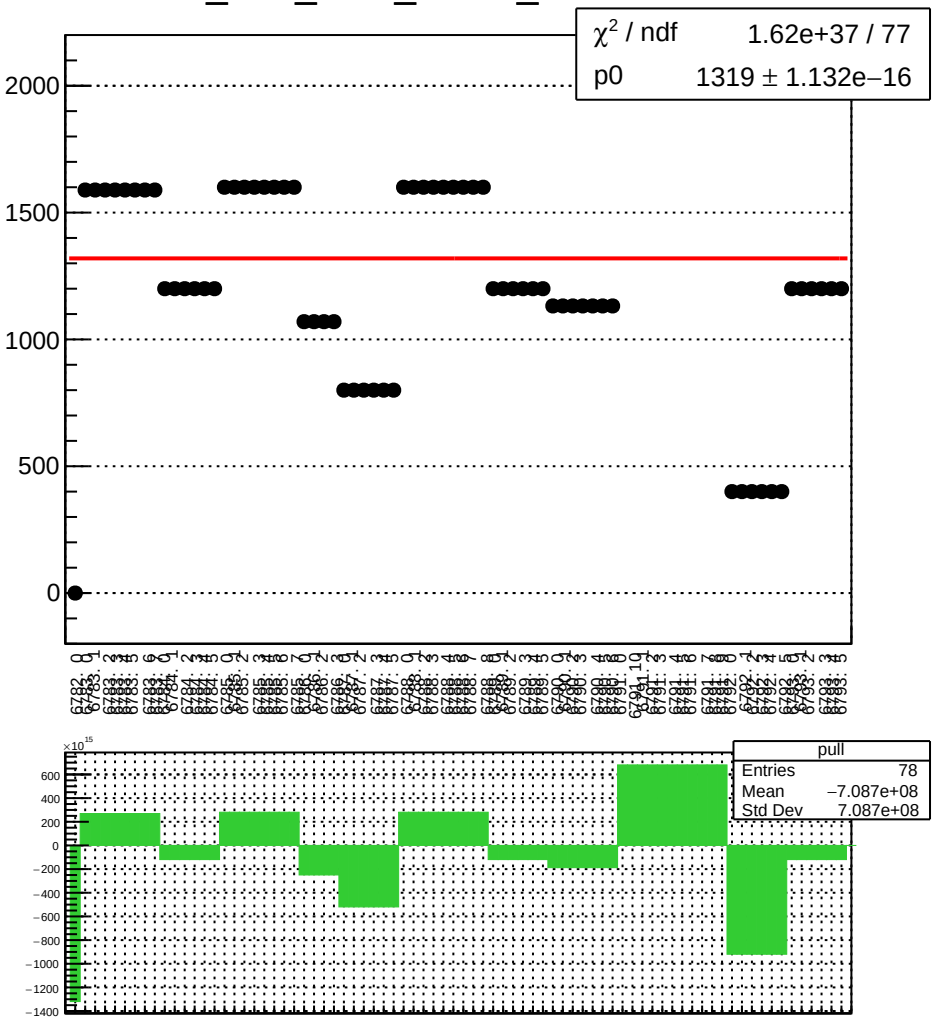

pull1D
Entries 78
Mean 0
Std Dev 0

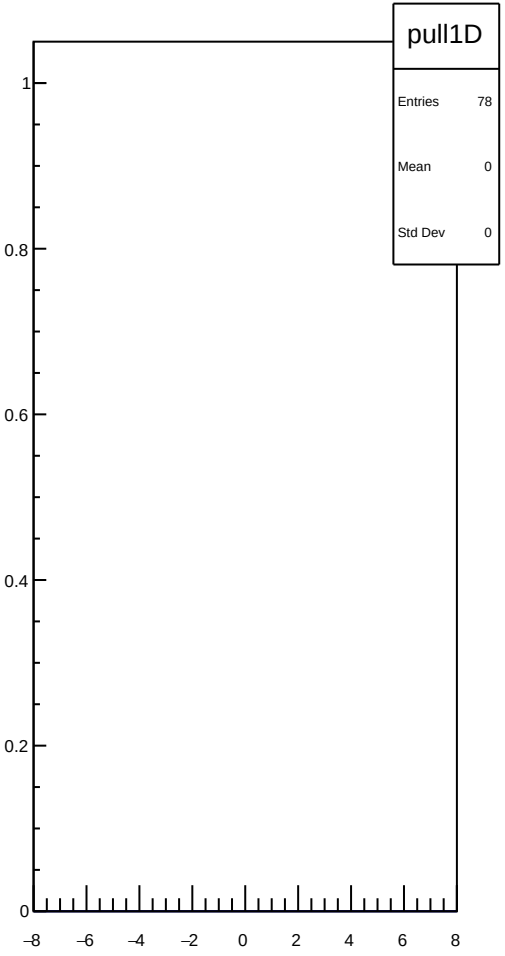
dit_4eX_coil7_err_mean vs run



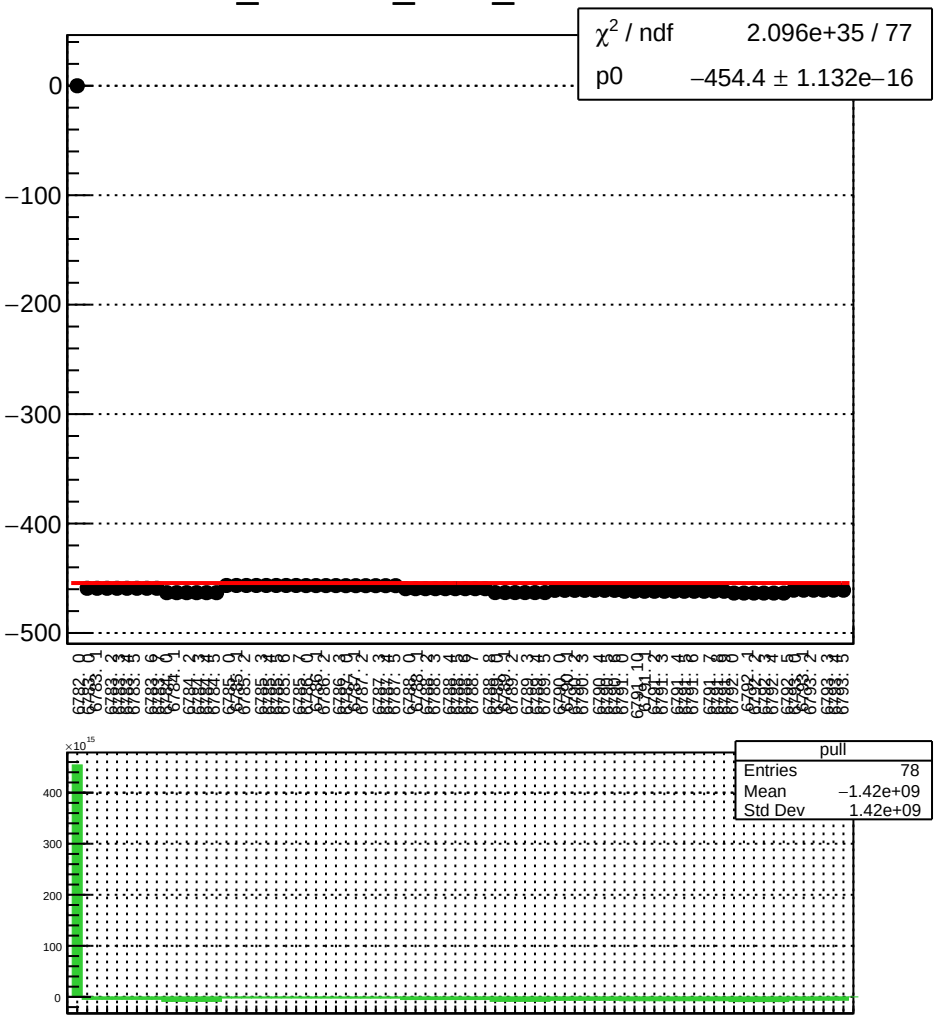


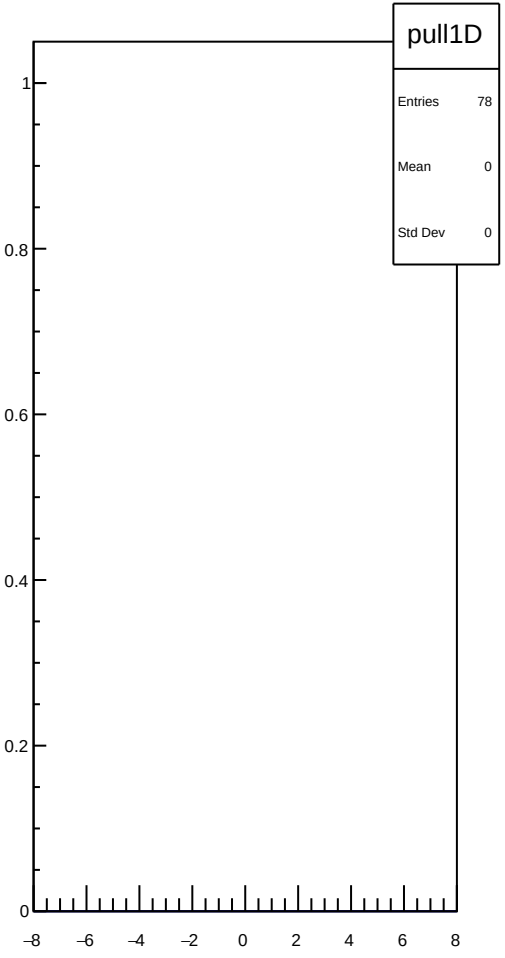
dit_4eX_coil7_Ndata_mean vs run



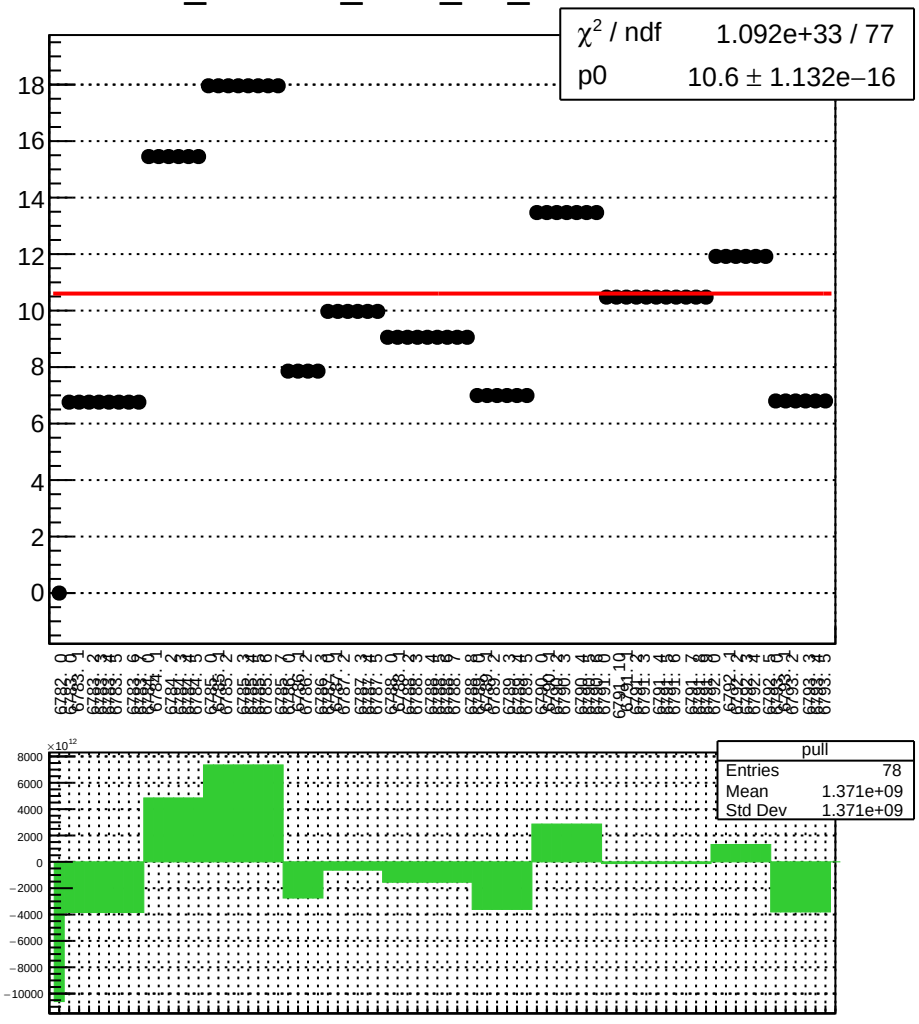


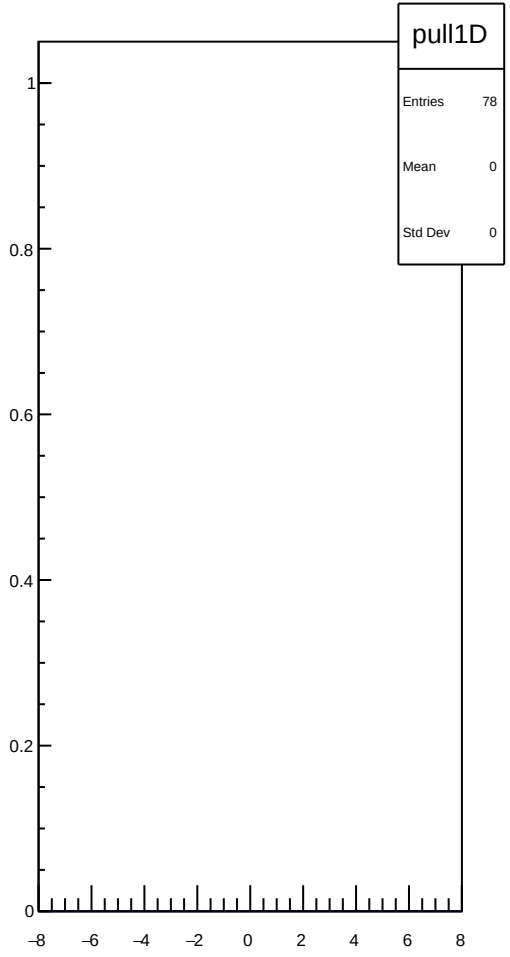
dit_11X12X_coil7_mean vs run



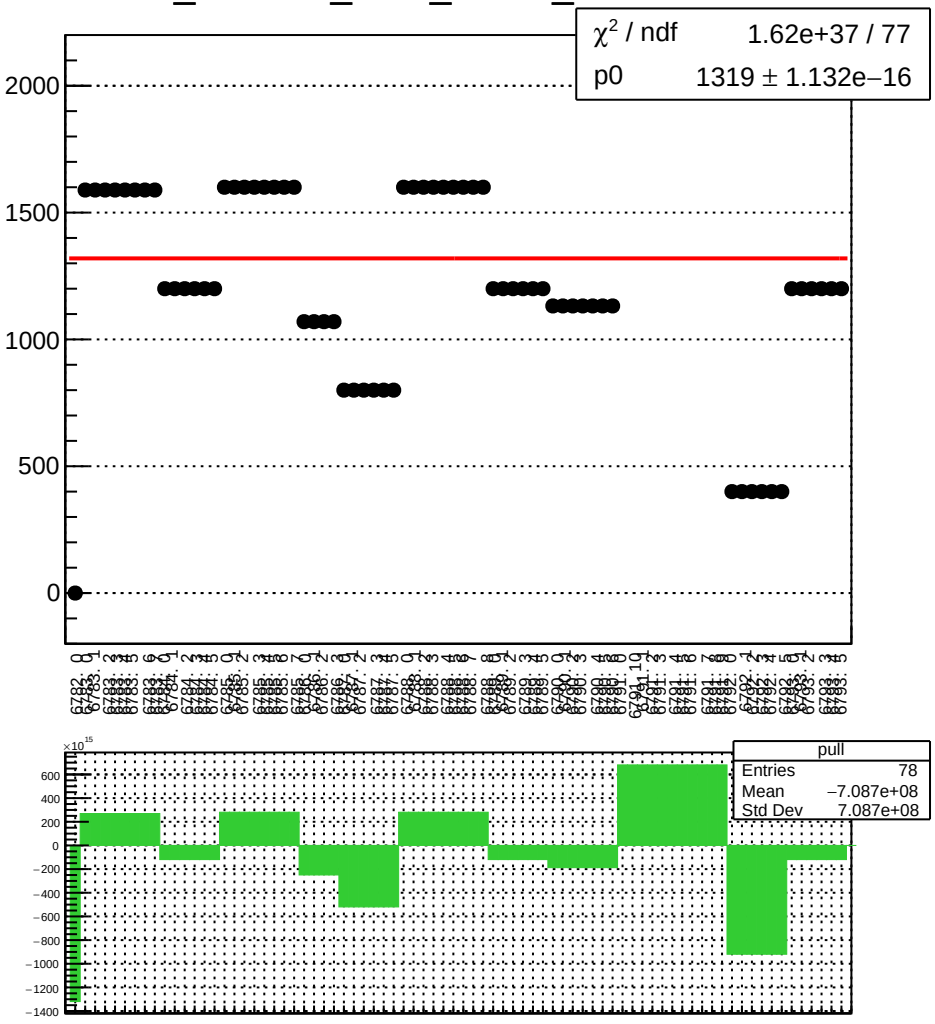


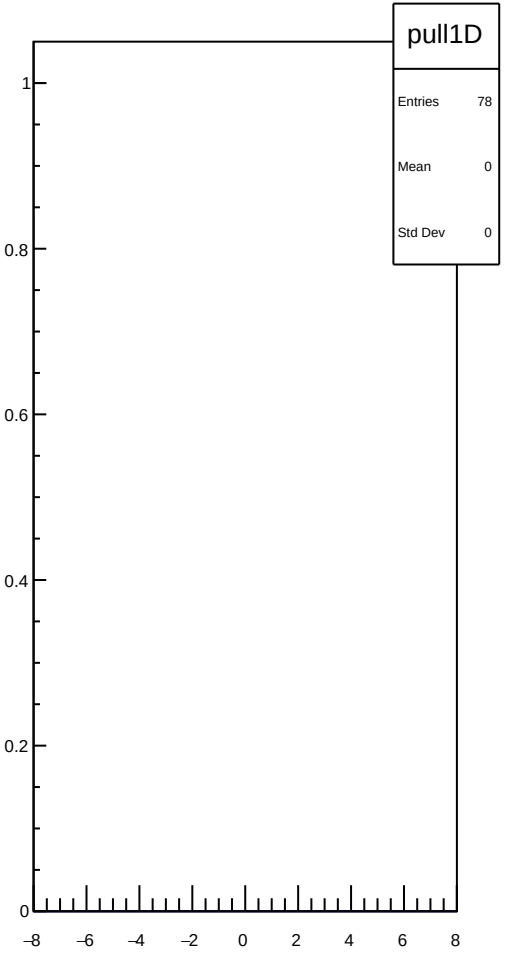
dit_11X12X_coil7_err_mean vs run

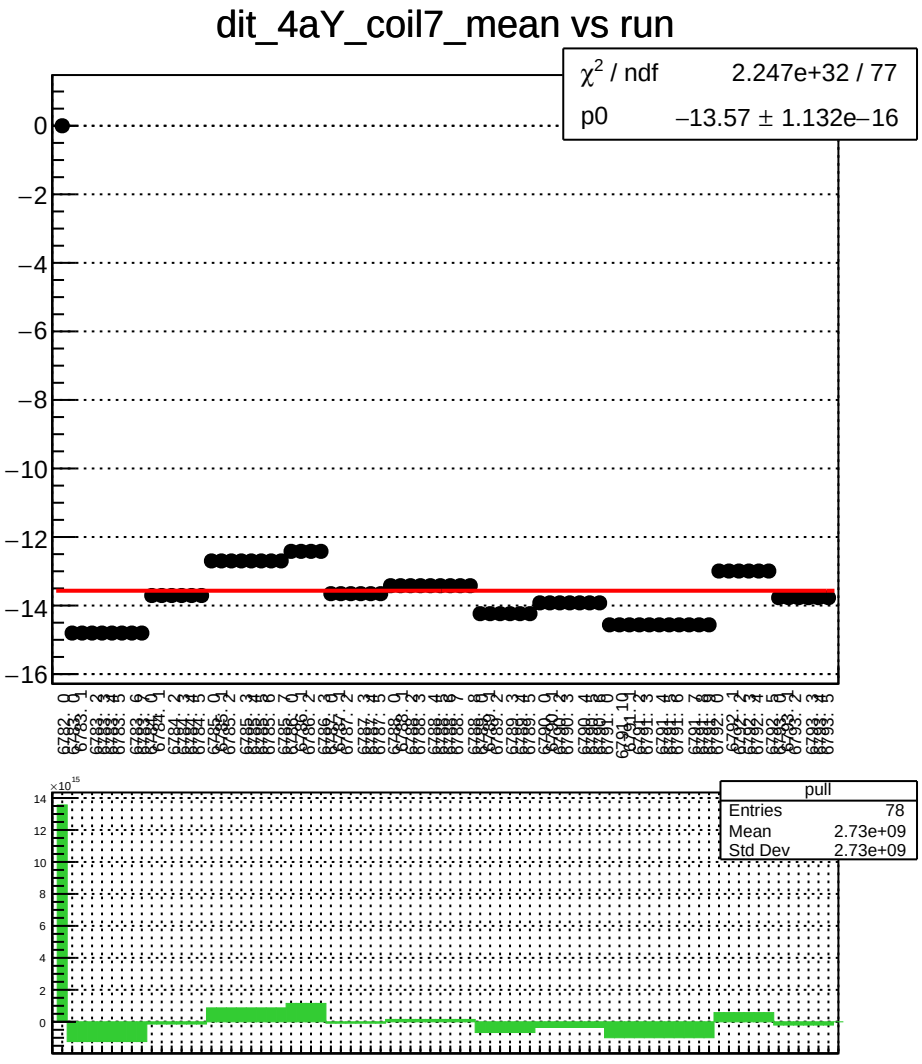


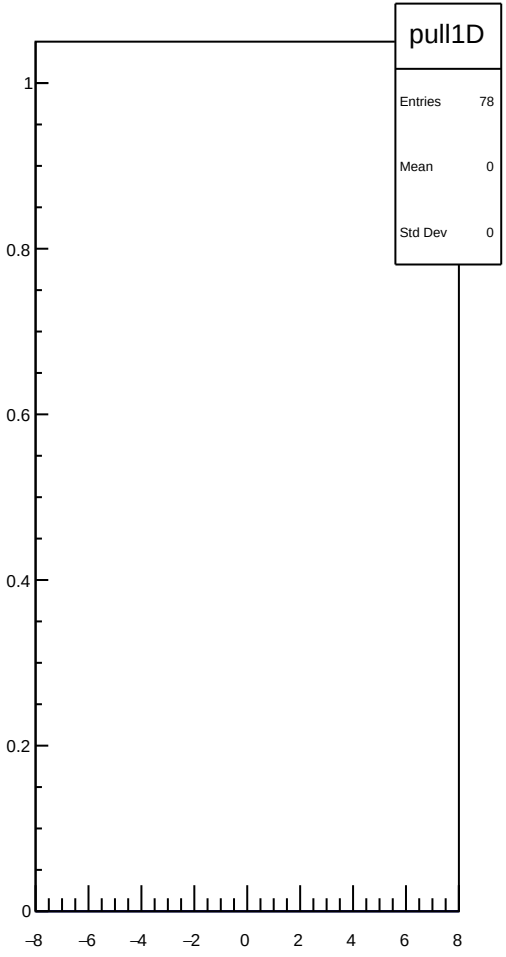


dit_11X12X_coil7_Ndata_mean vs run

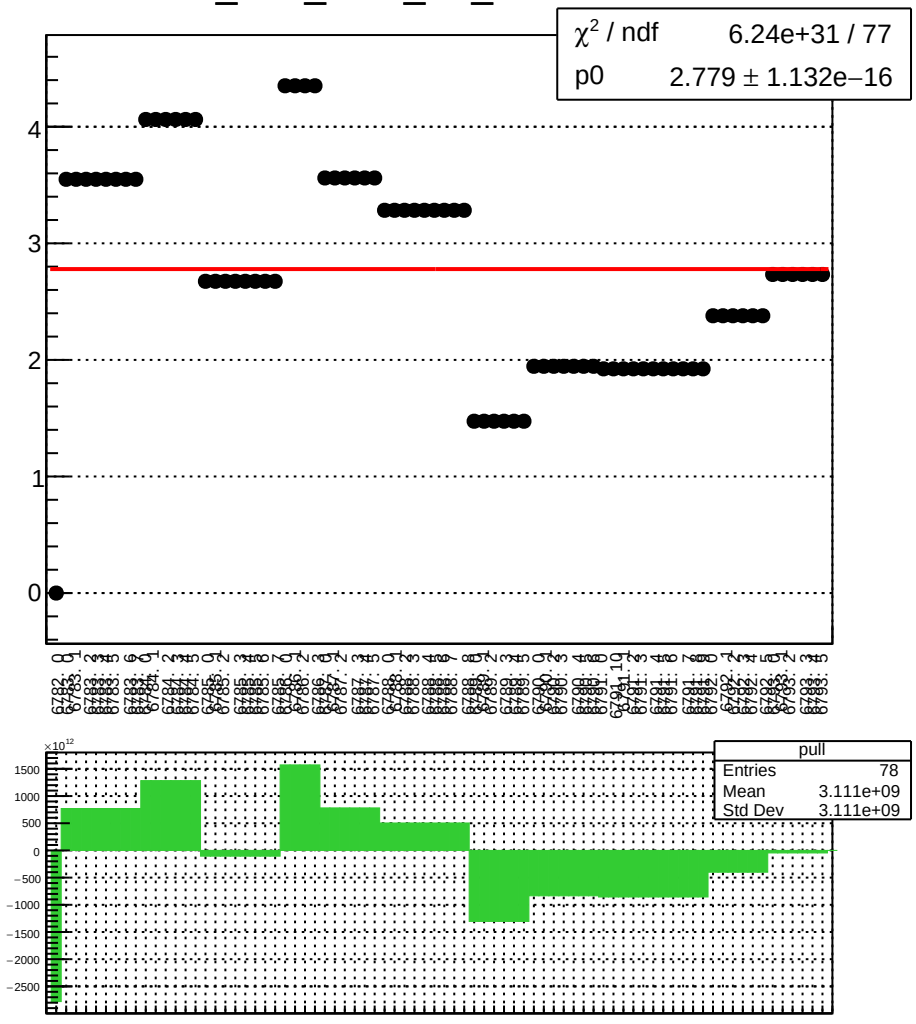


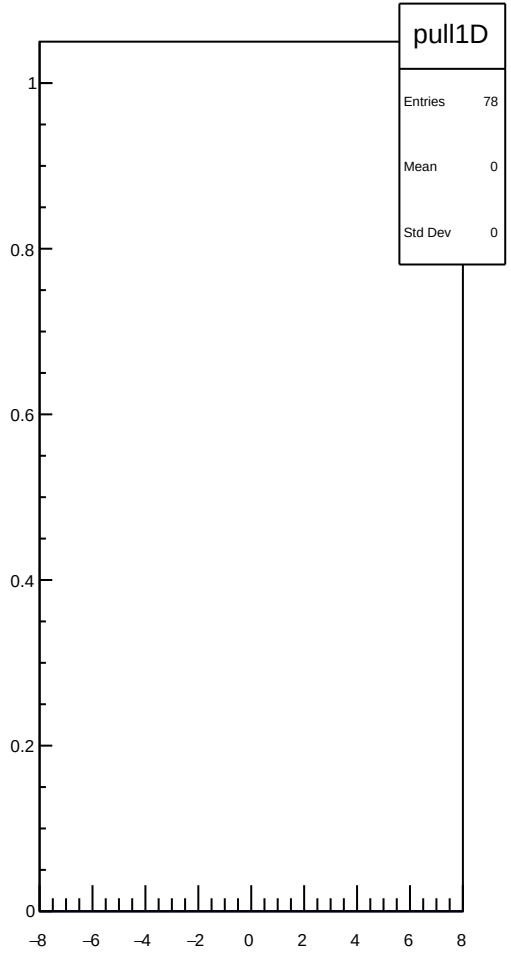



dit_4aY_coil7_mean vs run
χ^2 / ndf 2.247e+32 / 77
p0 −13.57 ± 1.132e−16
pull
Entries 78
Mean 2.73e+09
Std Dev 2.73e+09

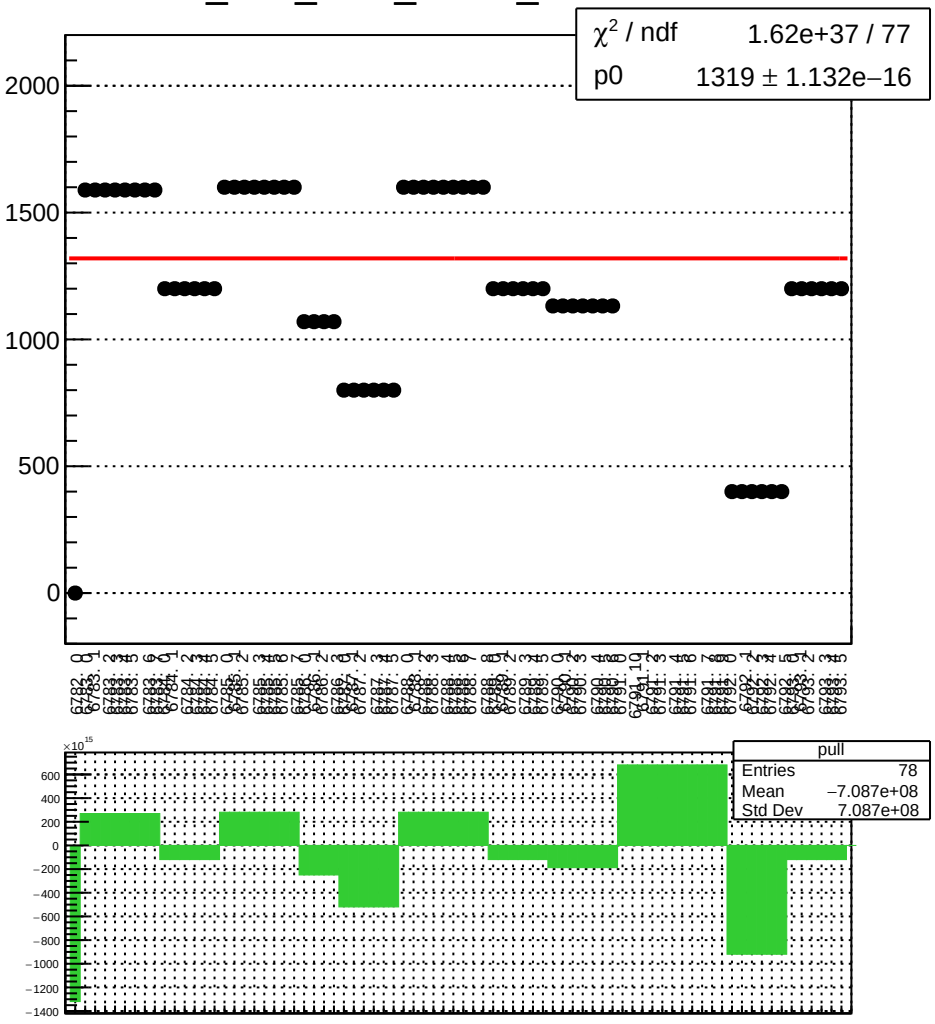

pull1D
Entries 78
Mean 0
Std Dev 0

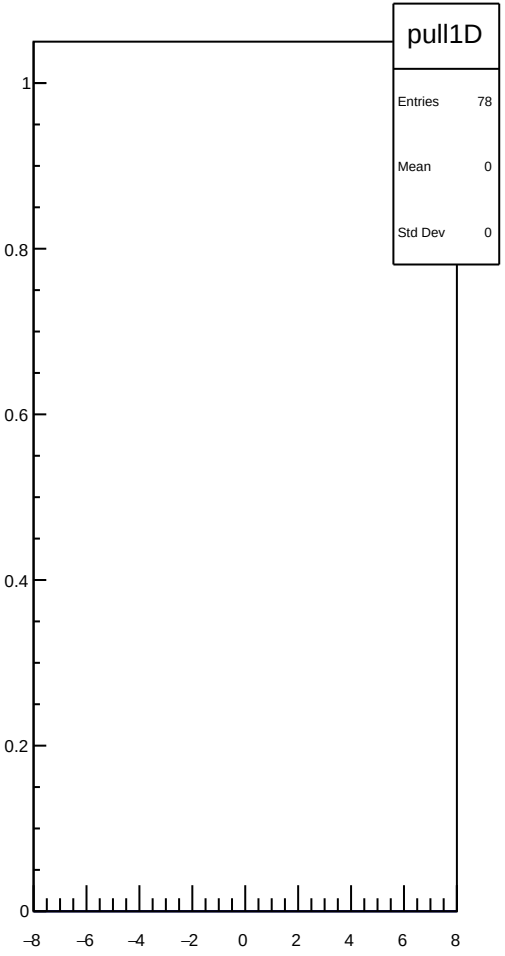
dit_4aY_coil7_err_mean vs run

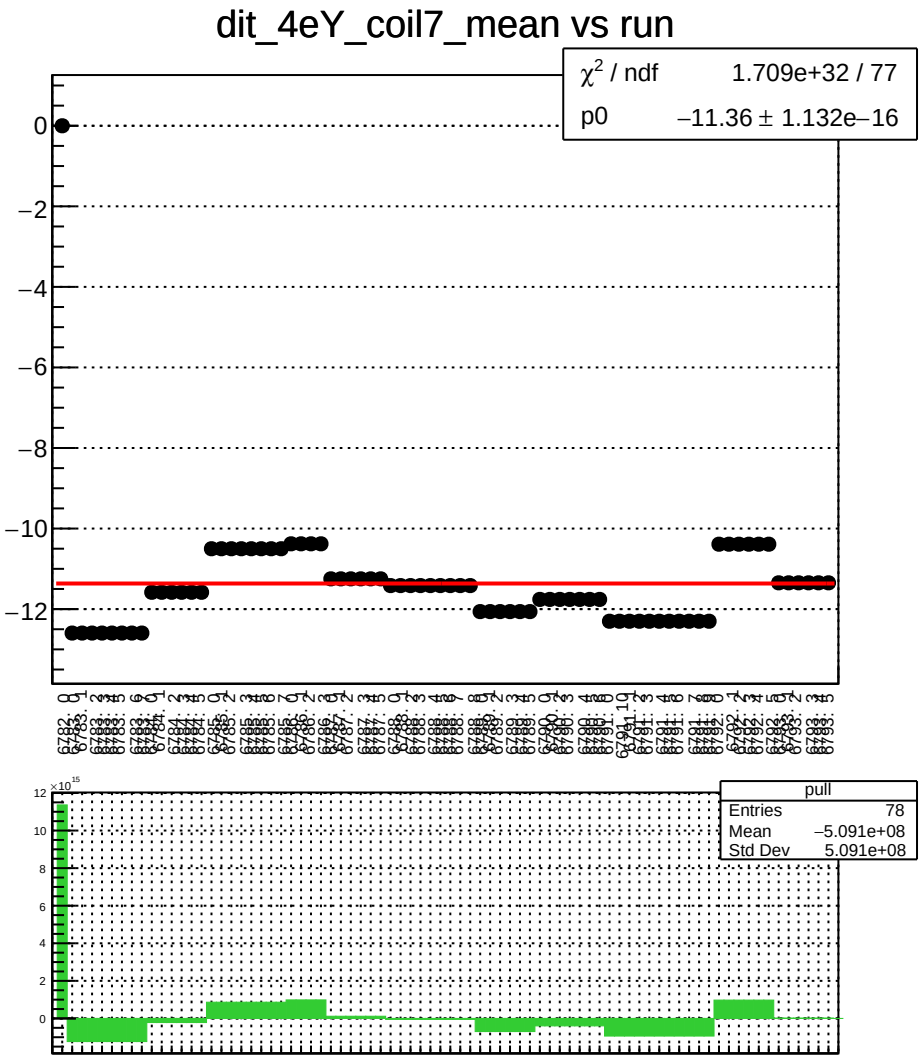


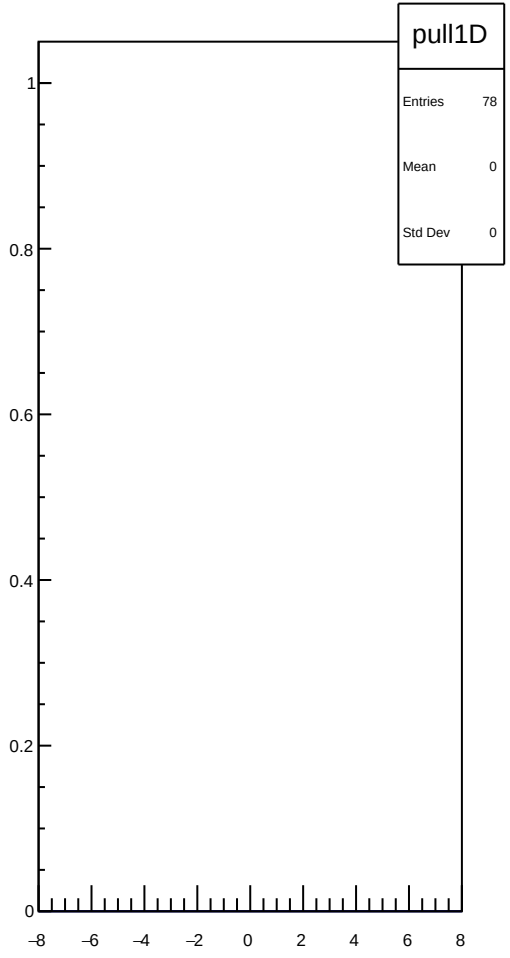


dit_4aY_coil7_Ndata_mean vs run

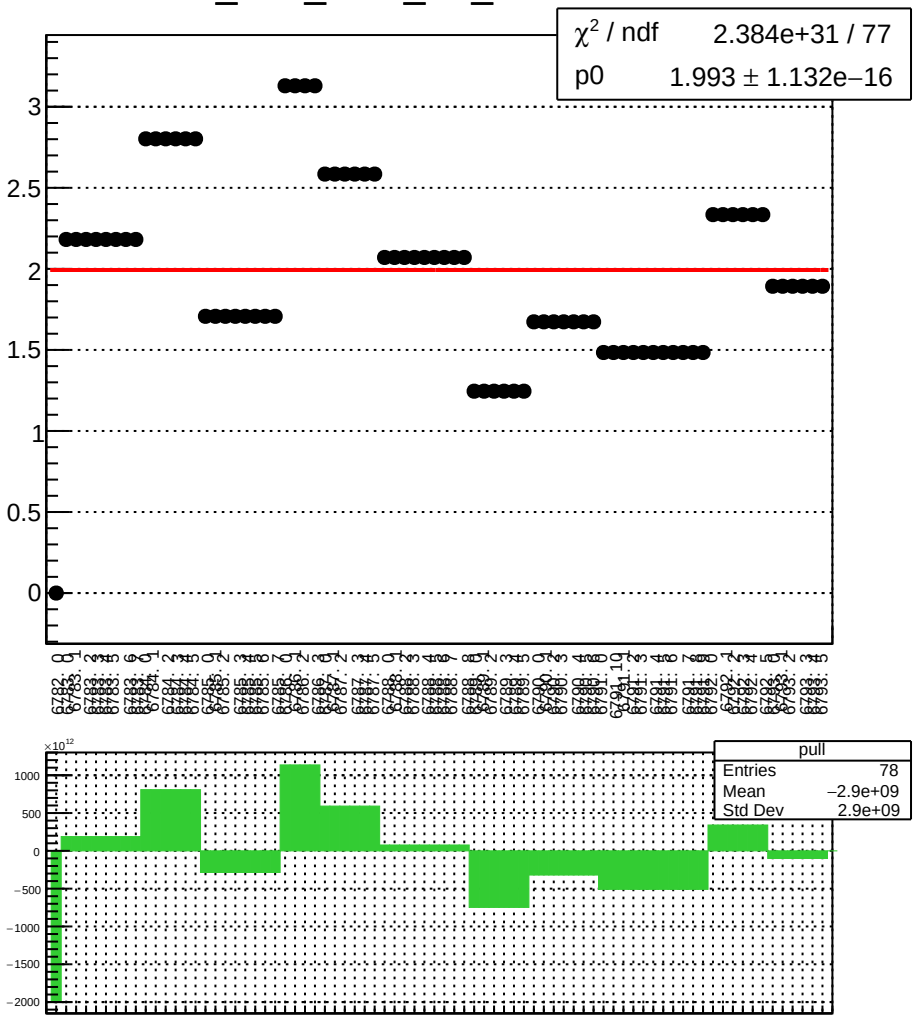


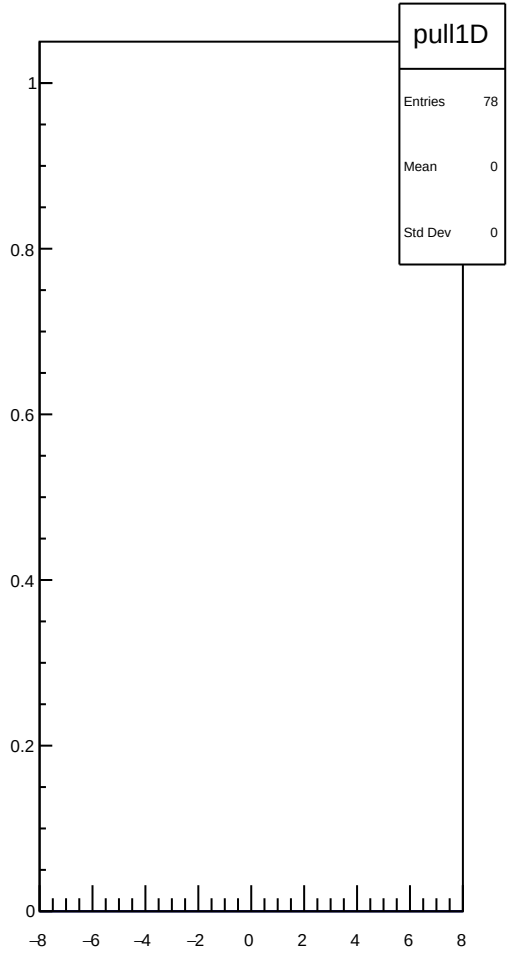



dit_4eY_coil7_mean vs run
χ^2 / ndf 1.709e+32 / 77
p0 −11.36 ± 1.132e−16
pull
Entries 78
Mean −5.091e+08
Std Dev 5.091e+08

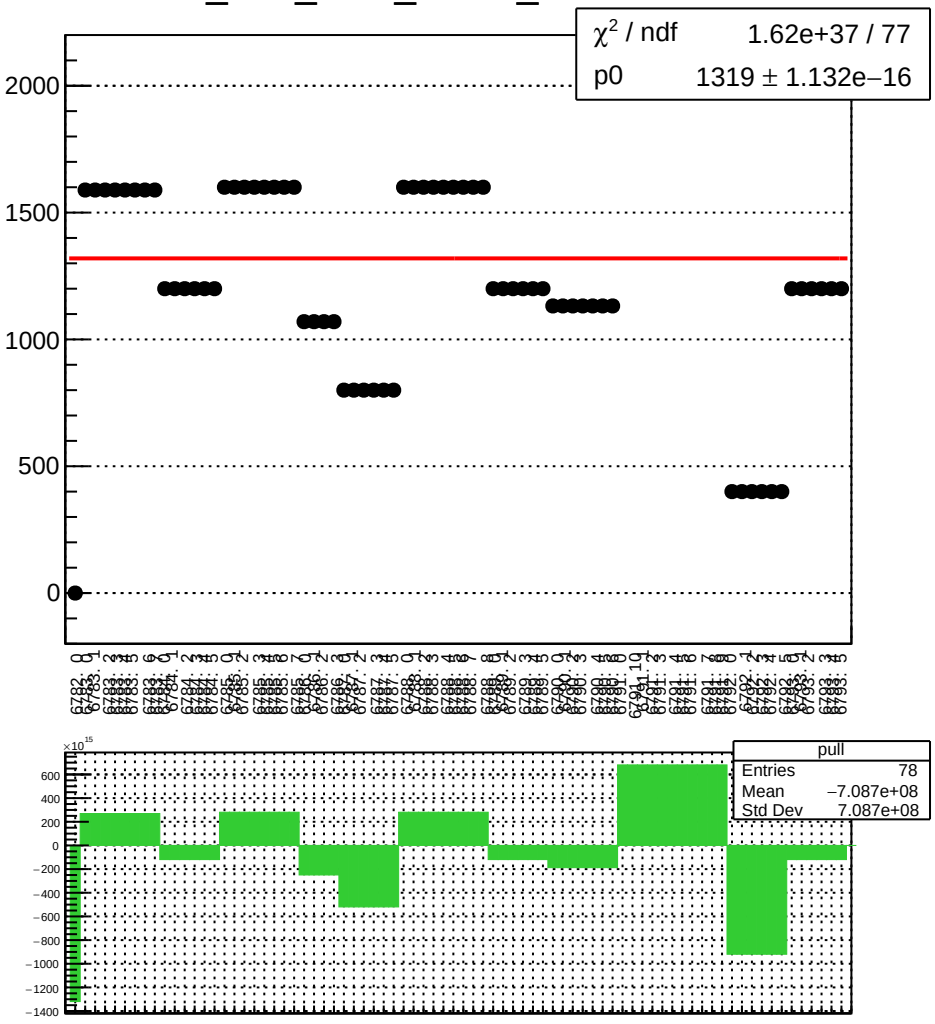

pull1D
Entries 78
Mean 0
Std Dev 0

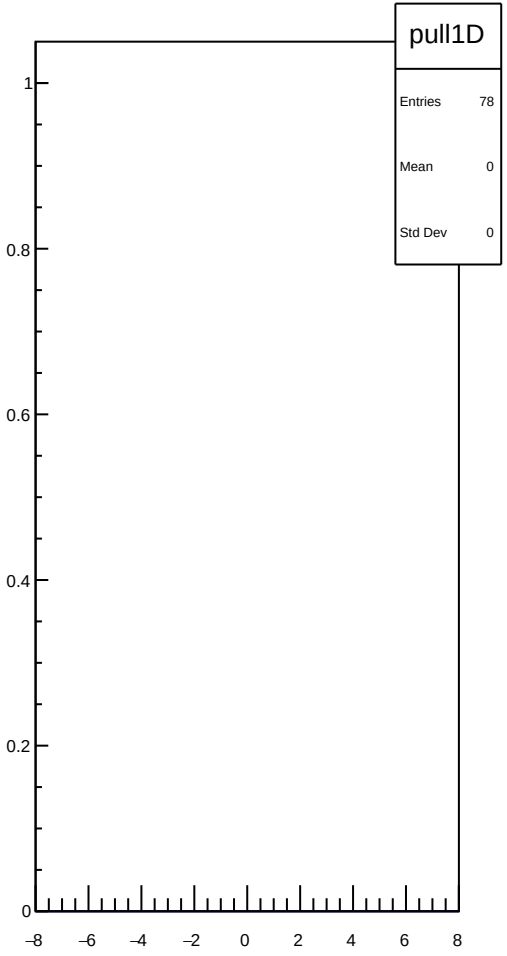
dit_4eY_coil7_err_mean vs run

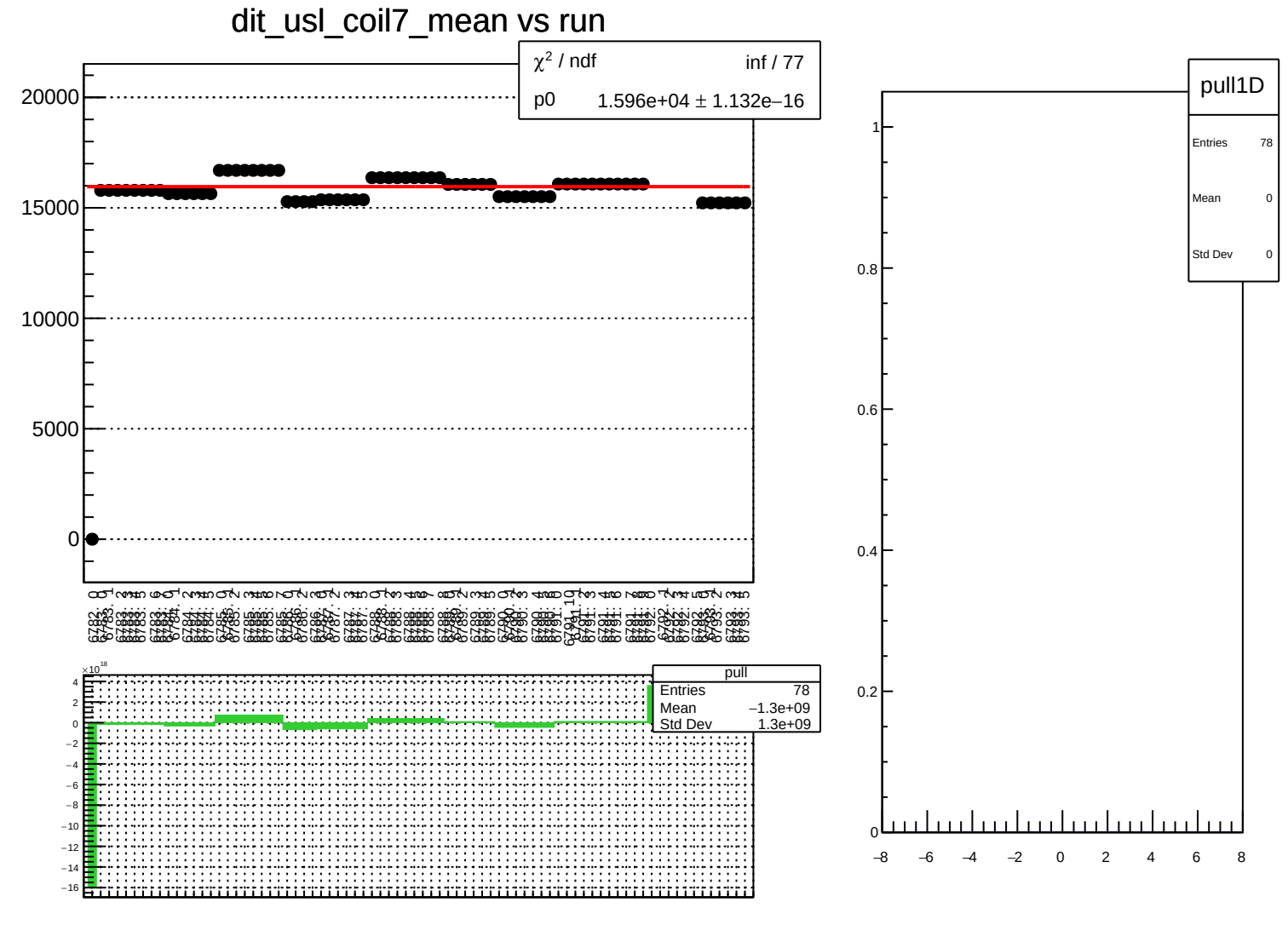


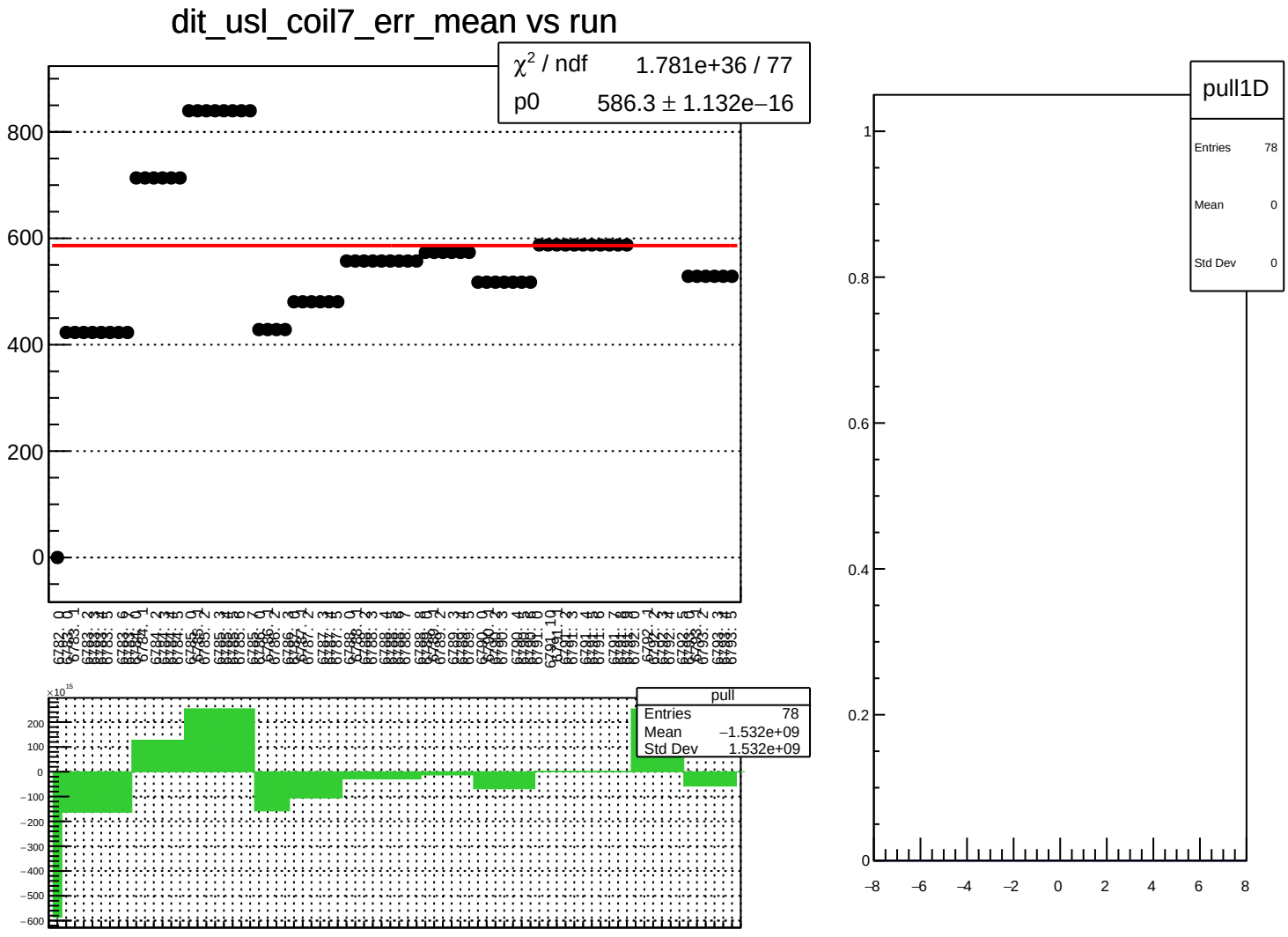


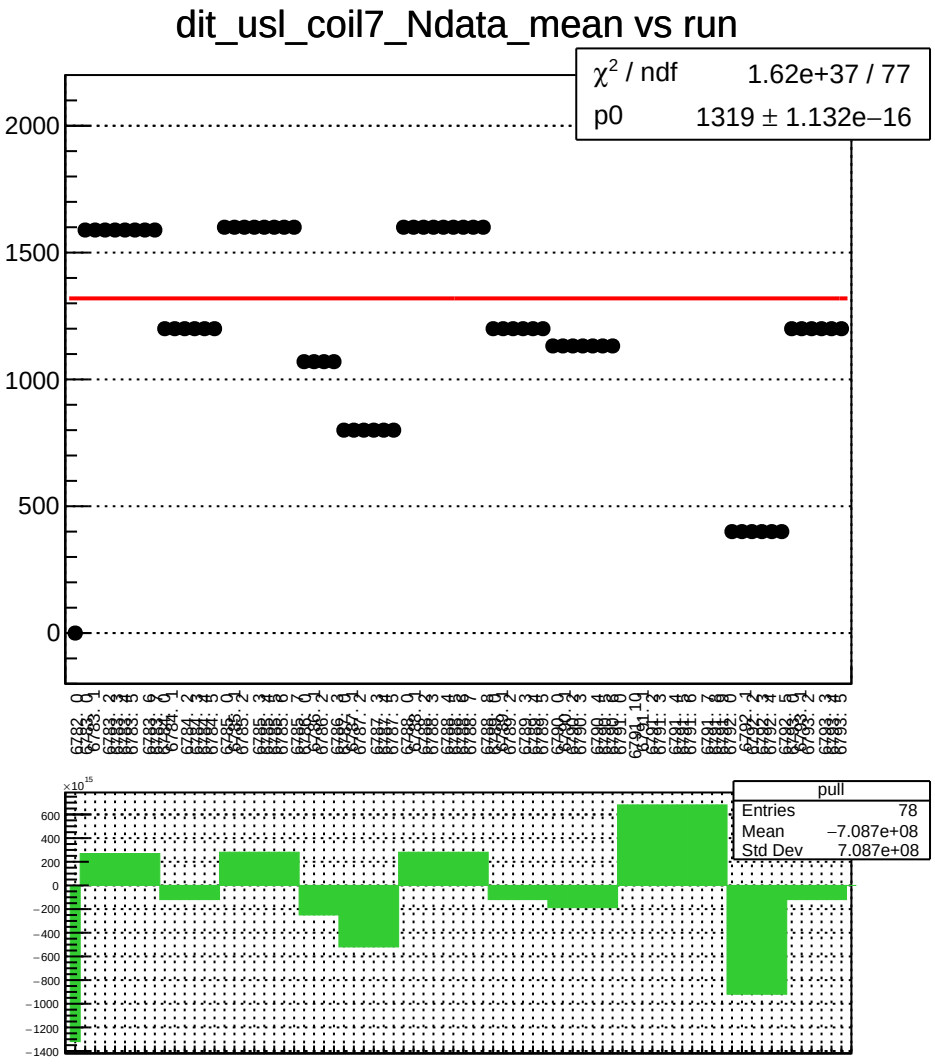
dit_4eY_coil7_Ndata_mean vs run

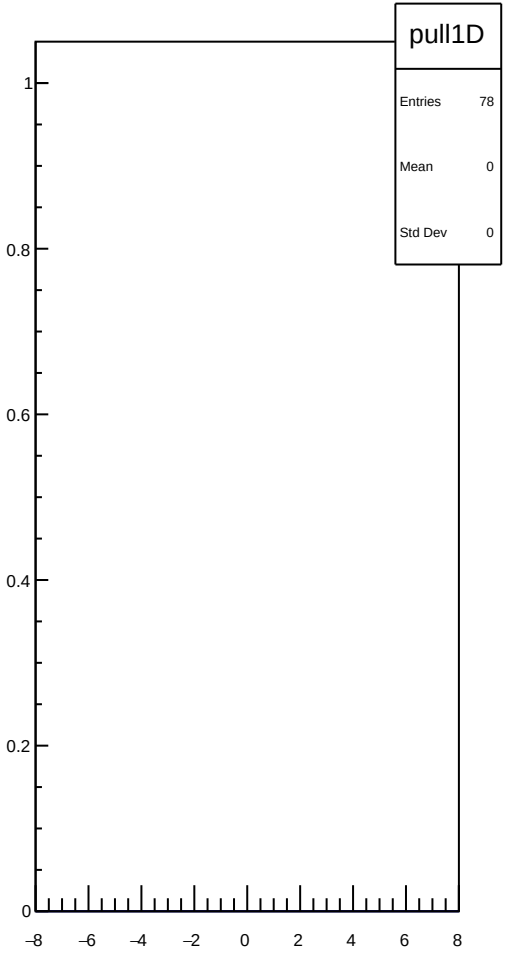




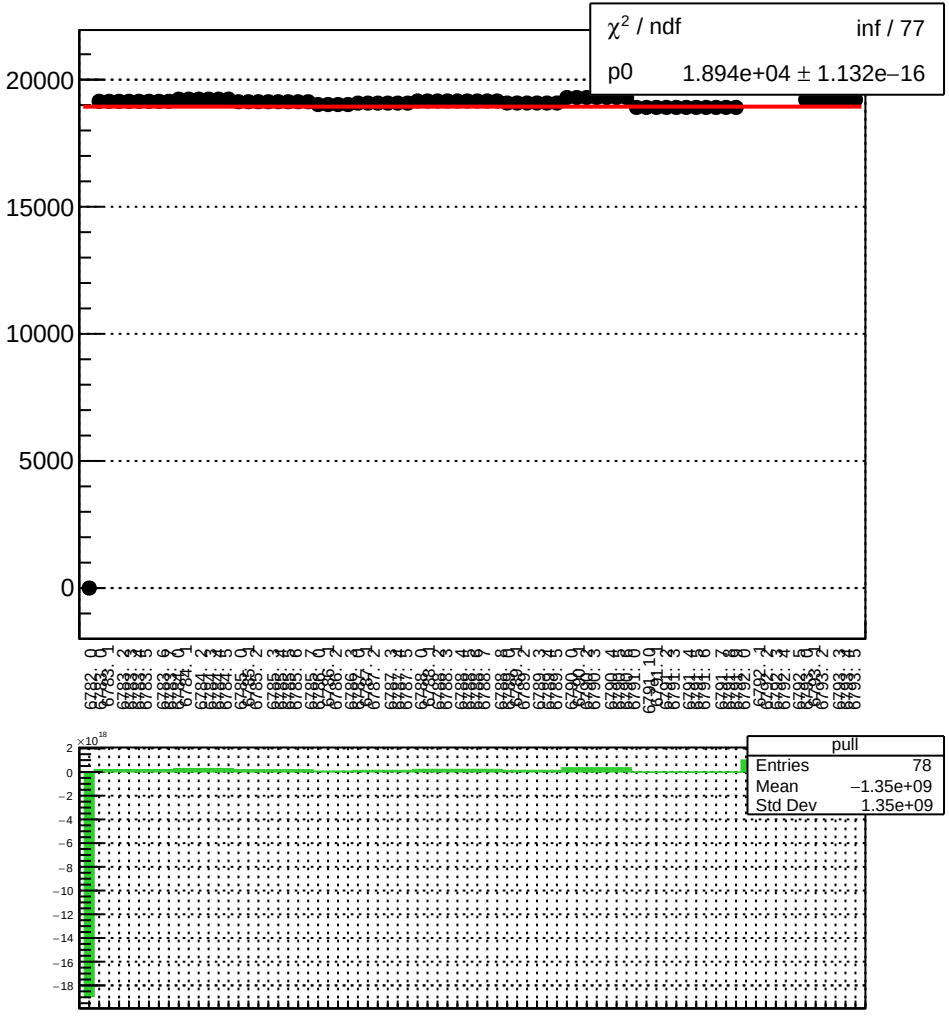

dit_usl_coil7_mean vs run
χ² / ndf inf / 77
p0 1.596e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.3e+09
Std Dev 1.3e+09
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

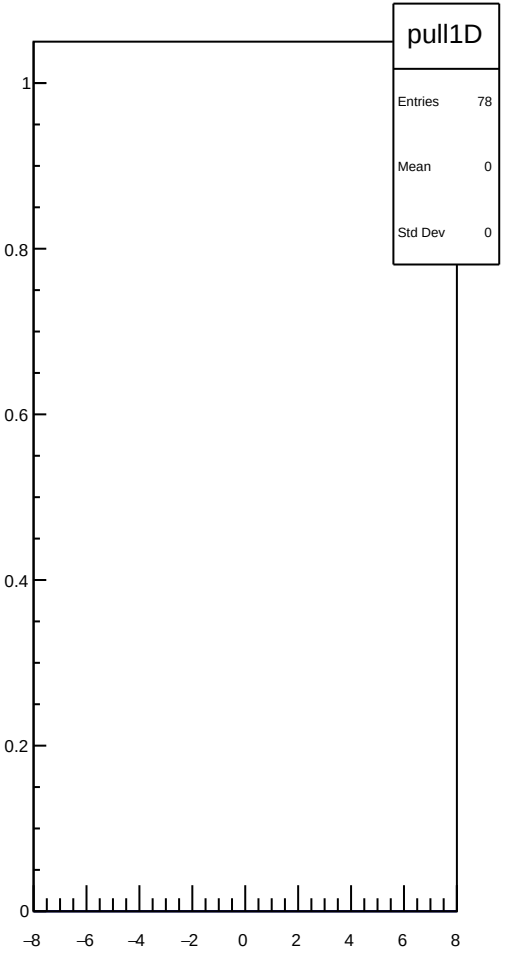

dit_usl_coil7_err_mean vs run
χ^2 / ndf 1.781e+36 / 77
p0 586.3 ± 1.132e−16
pull
Entries 78
Mean −1.532e+09
Std Dev 1.532e+09
pull1D
Entries 78
Mean 0
Std Dev 0

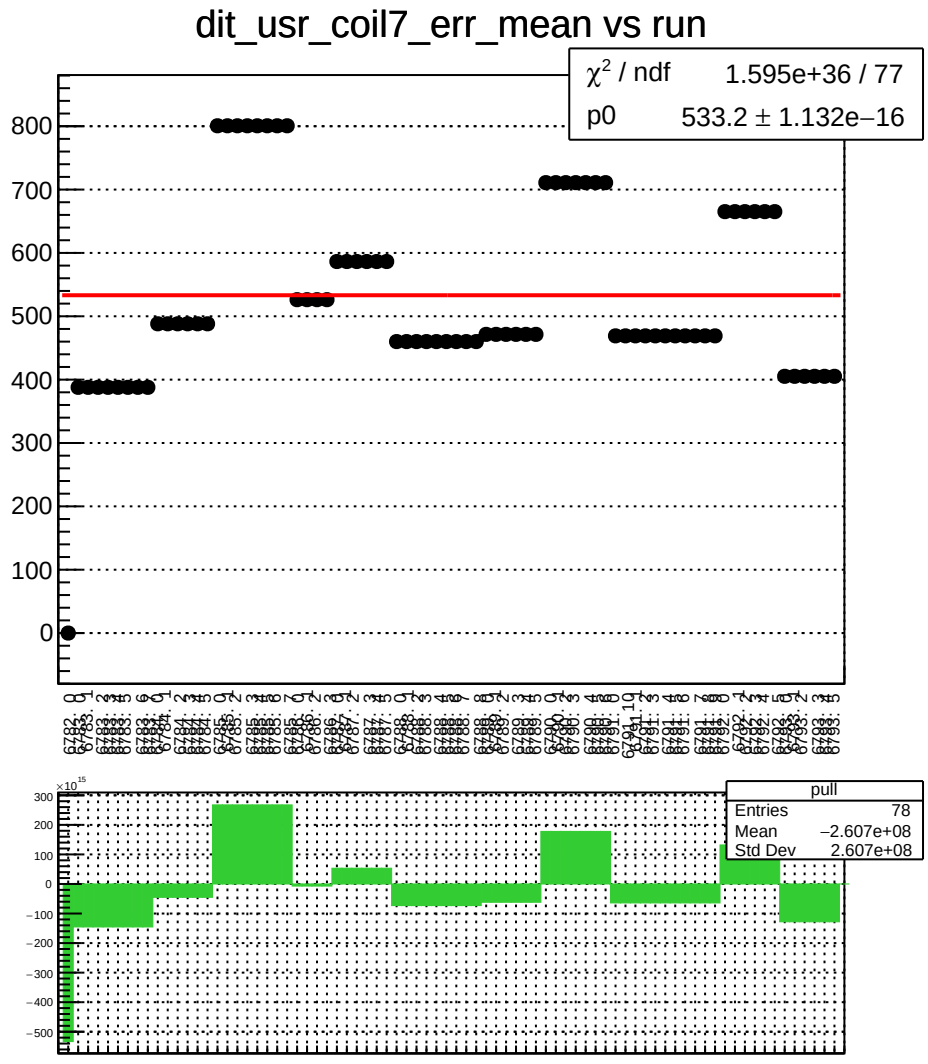

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

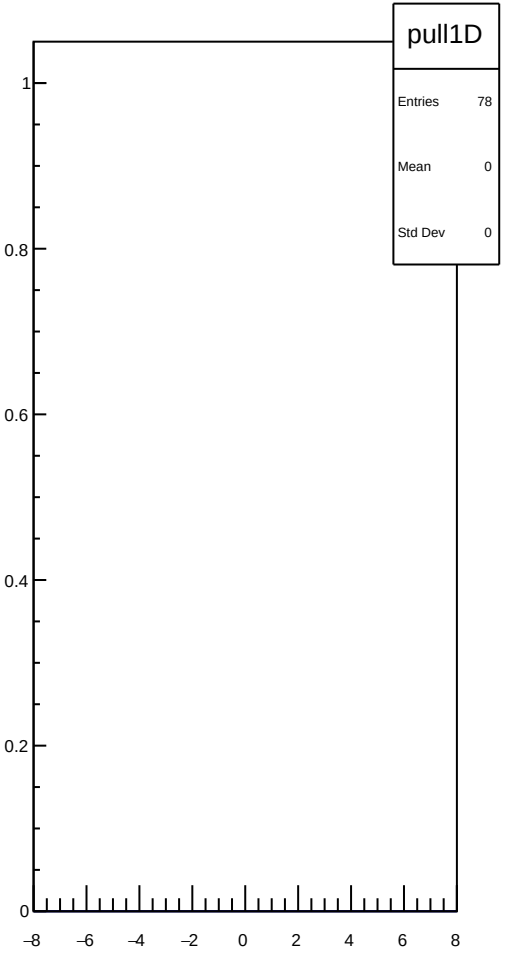

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

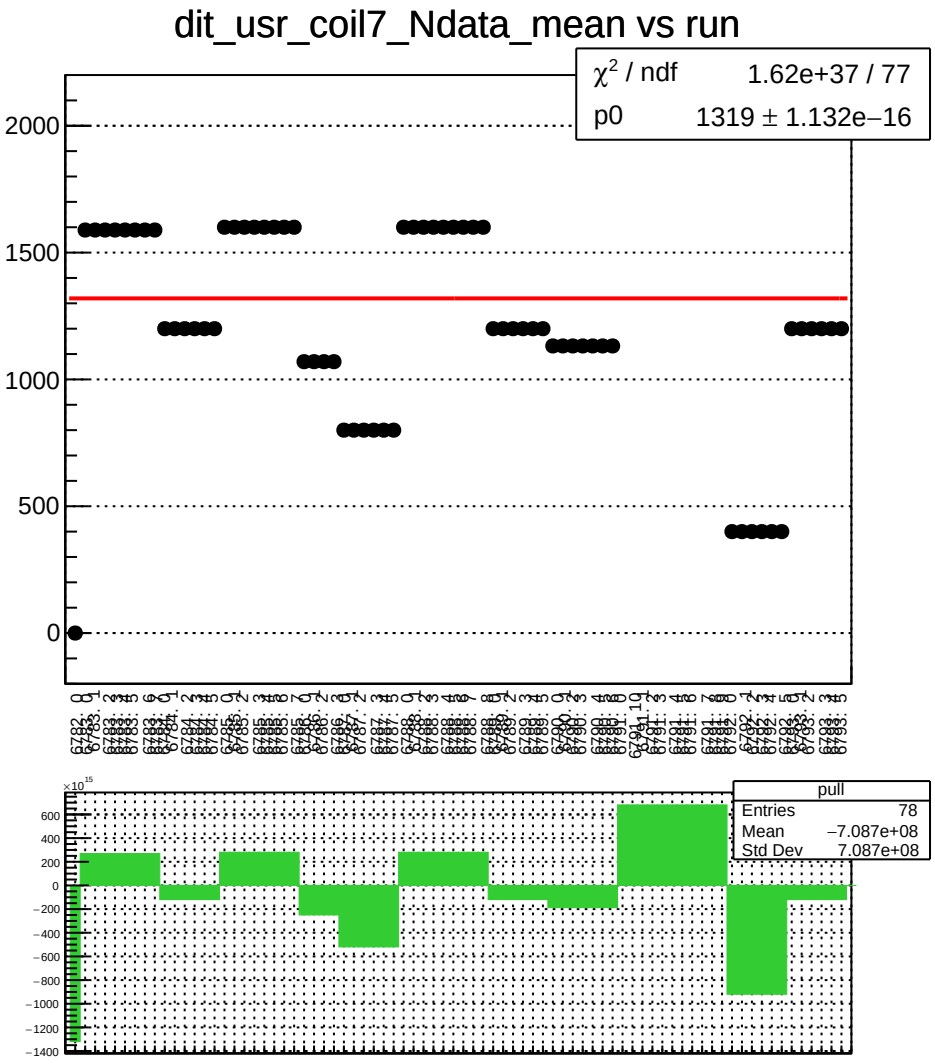
dit_usr_coil7_mean vs run

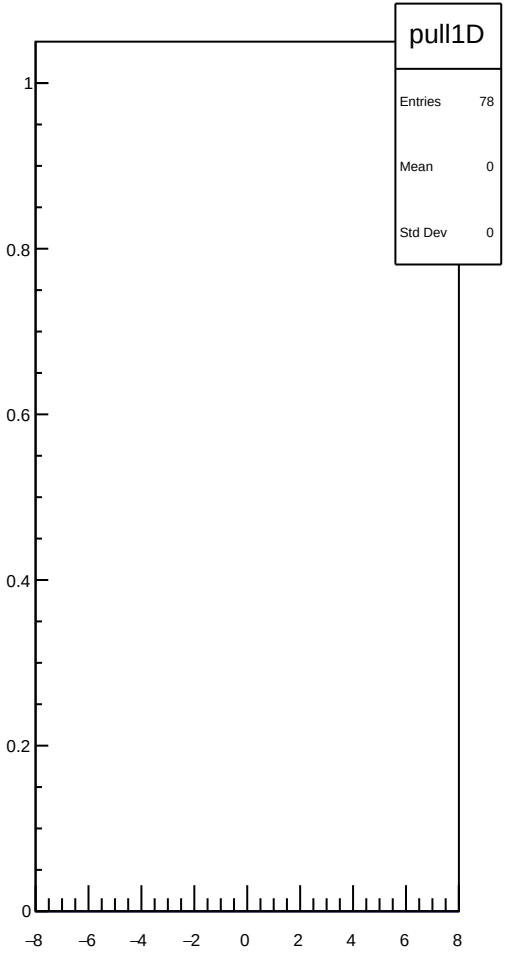


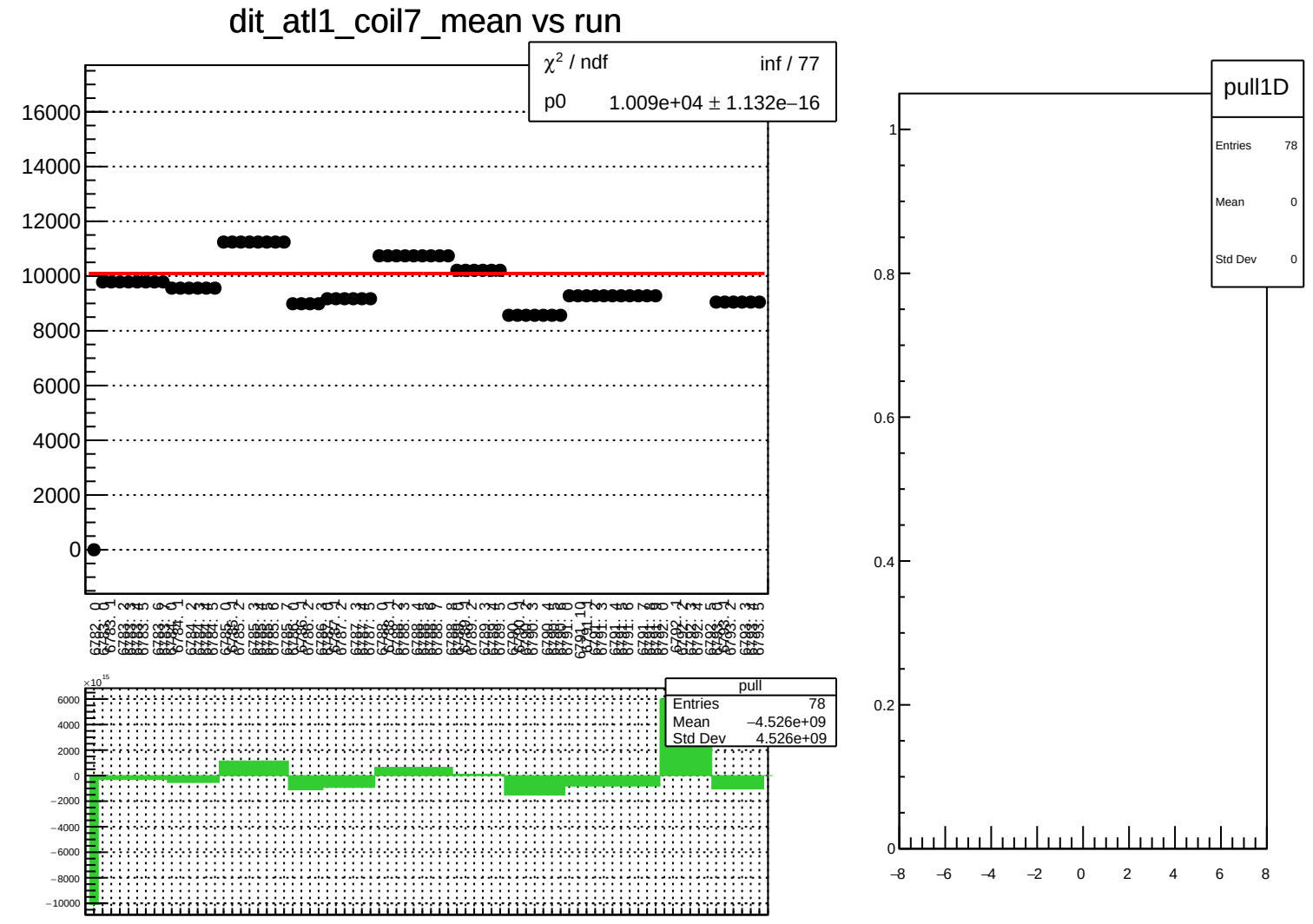


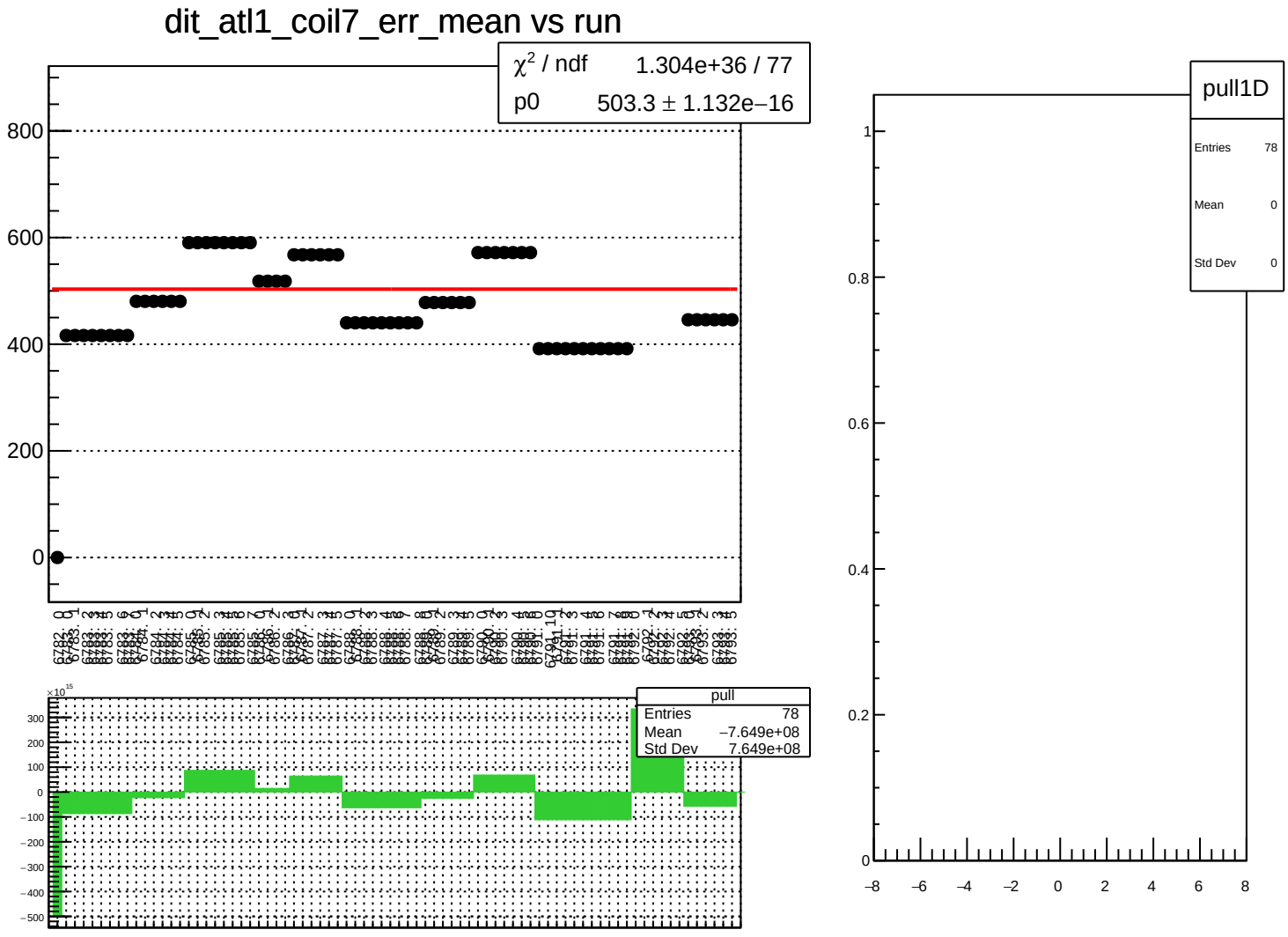

dit_usr_coil7_err_mean vs run
χ^2 / ndf 1.595e+36 / 77
p0 533.2 ± 1.132e−16
pull
Entries 78
Mean −2.607e+08
Std Dev 2.607e+08


pull1D
Entries 78
Mean 0
Std Dev 0

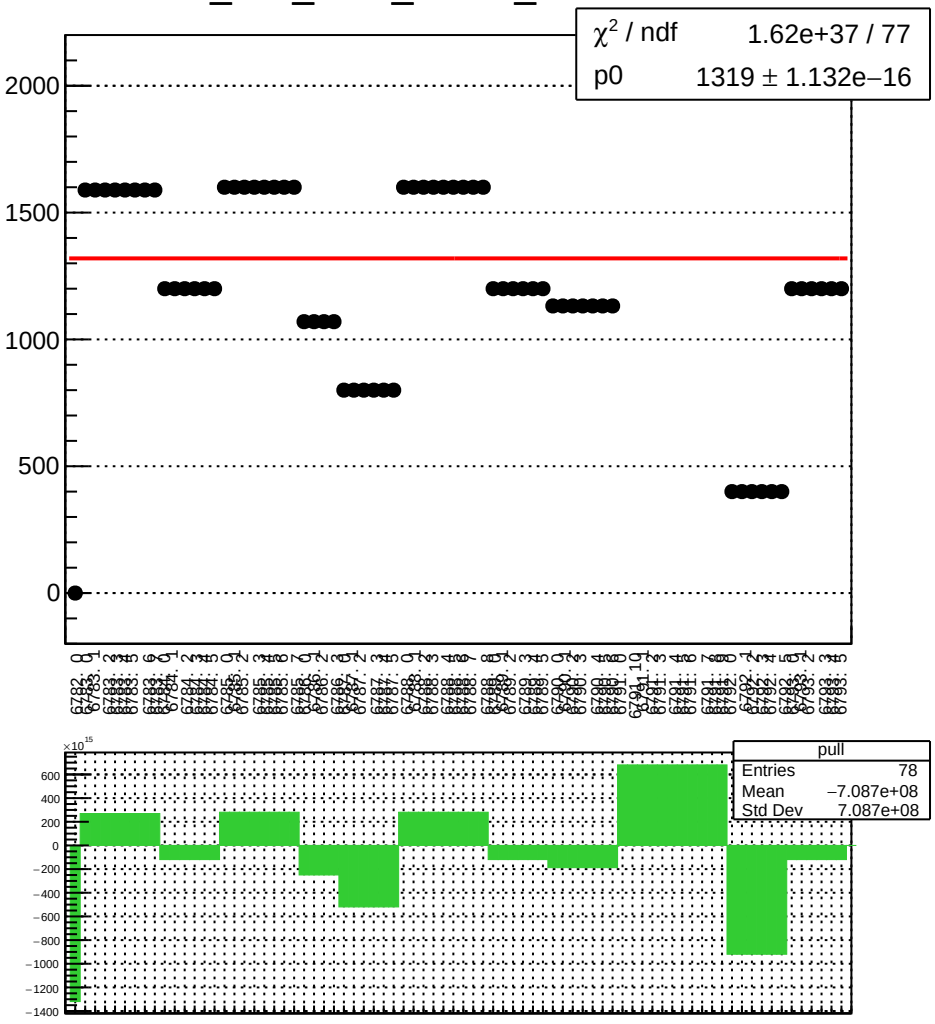

dit_usr_coil7_Ndata_mean vs run
χ^2 / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

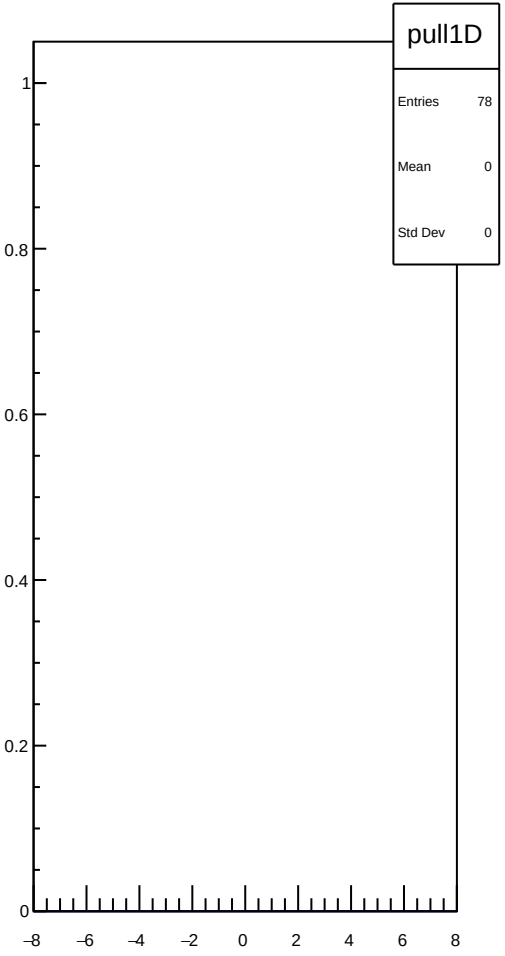

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

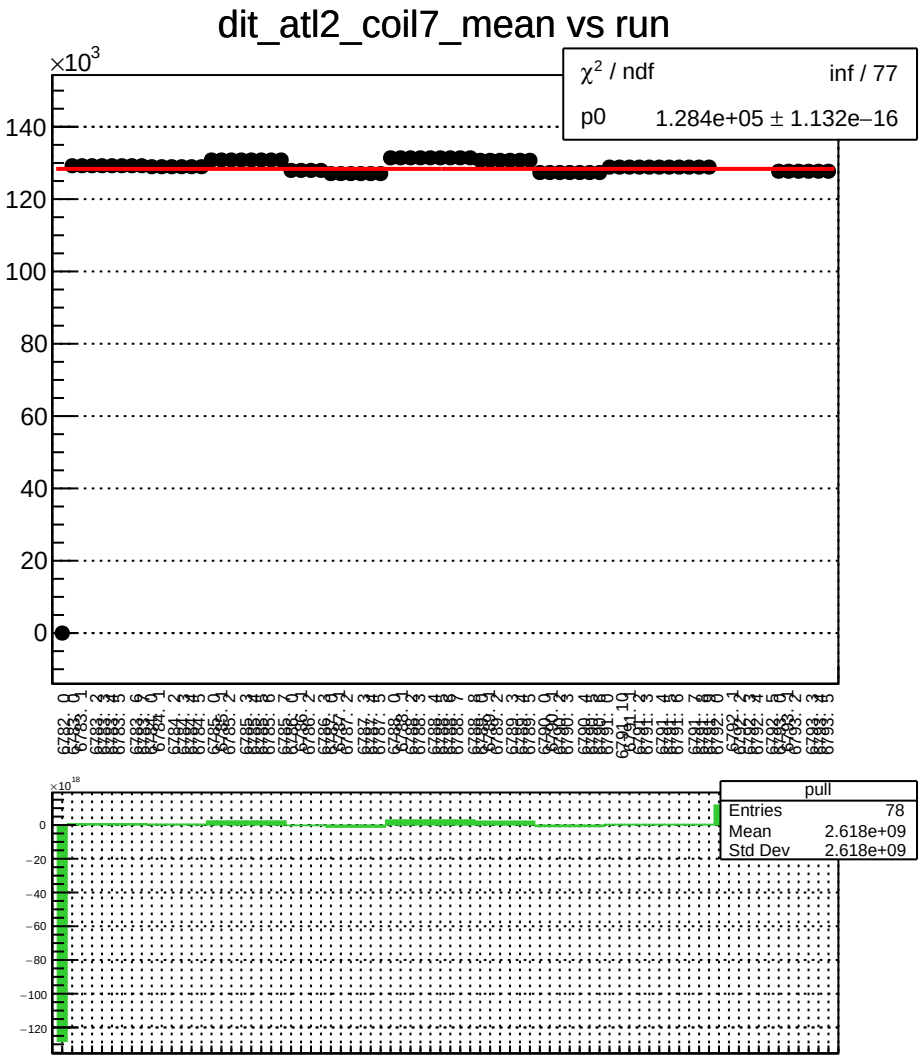

dit_atl1_coil7_mean vs run
χ² / ndf inf / 77
p0 1.009e+04 ± 1.132e−16
pull
Entries 78
Mean −4.526e+09
Std Dev 4.526e+09
pull1D
Entries 78
Mean 0
Std Dev 0

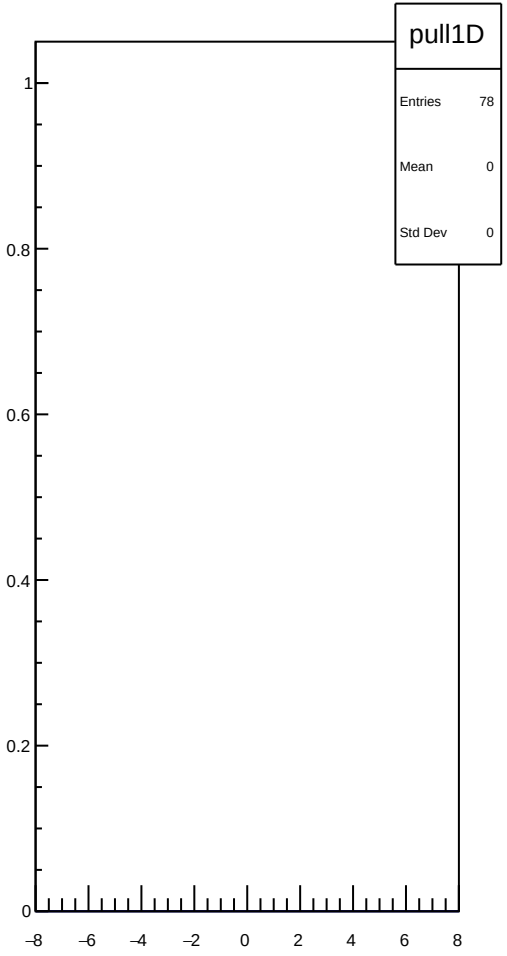

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.304e+36 / 77
p0 503.3 ± 1.132e−16
800
600
400
200
0
pull
Entries 78
Mean −7.649e+08
Std Dev 7.649e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_Ndata_mean vs run

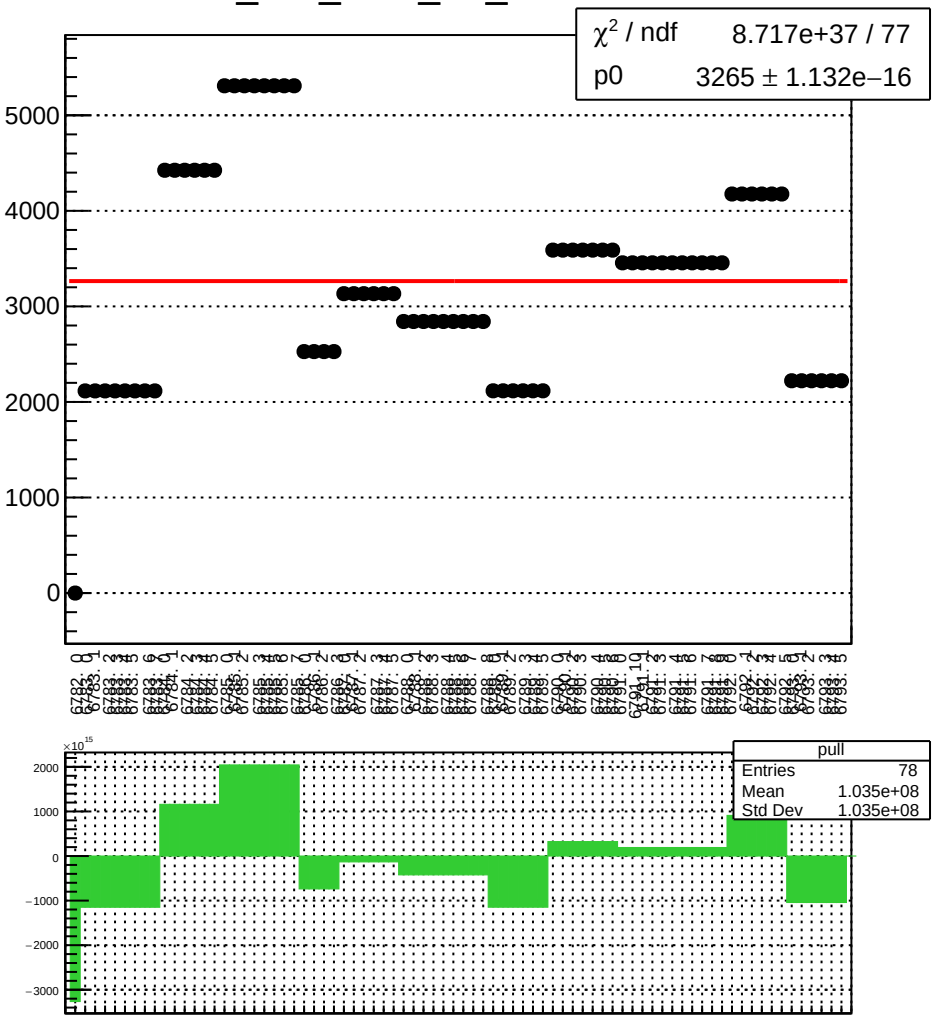


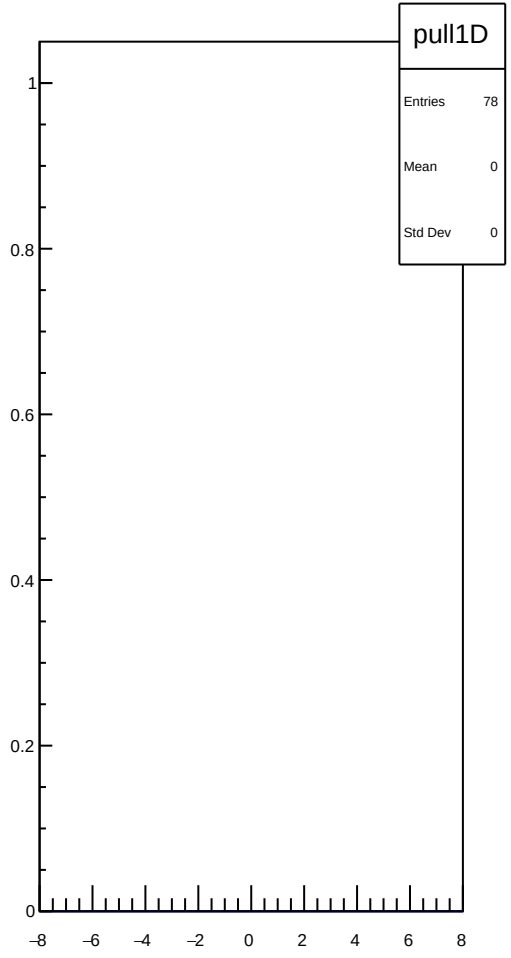



dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.284e+05 ± 1.132e−16
140
120
100
80
60
40
20
0
×10^18
pull
Entries 78
Mean 2.618e+09
Std Dev 2.618e+09
0
−20
−40
−60
−80
−100
−120

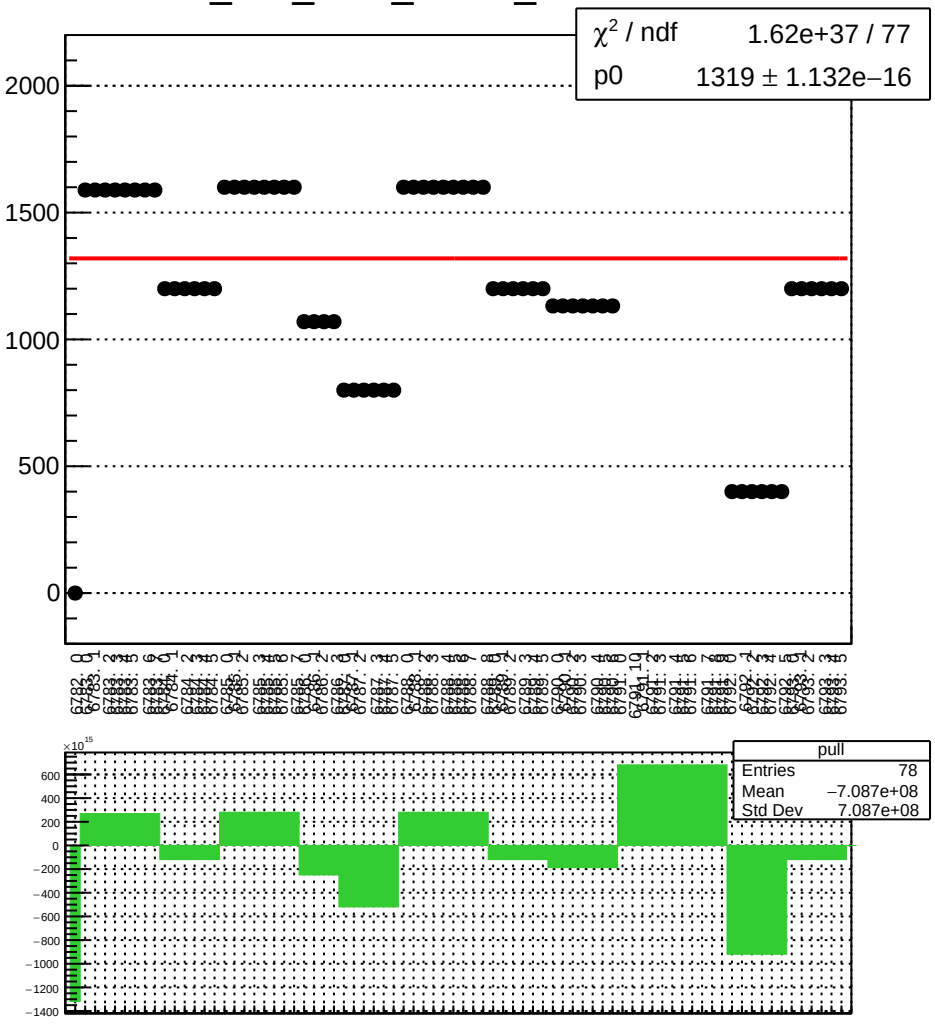

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

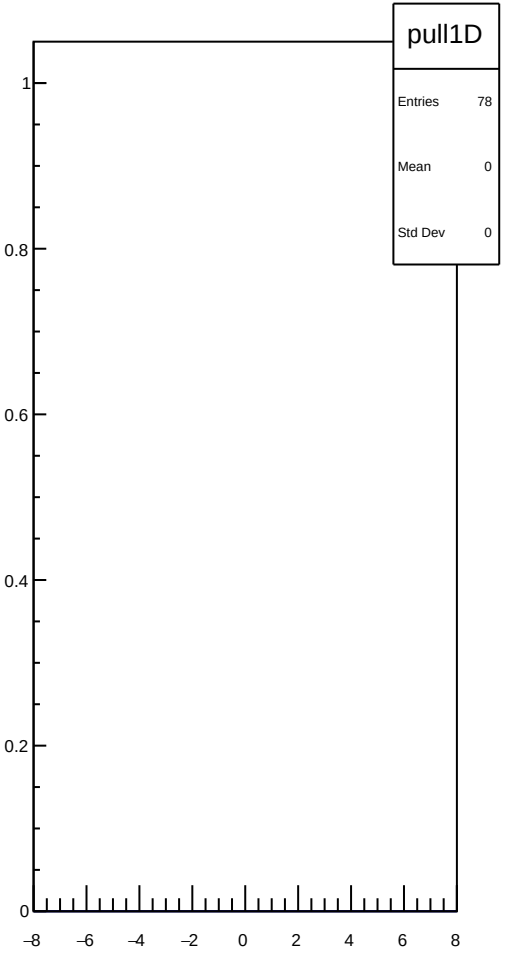
dit_atl2_coil7_err_mean vs run

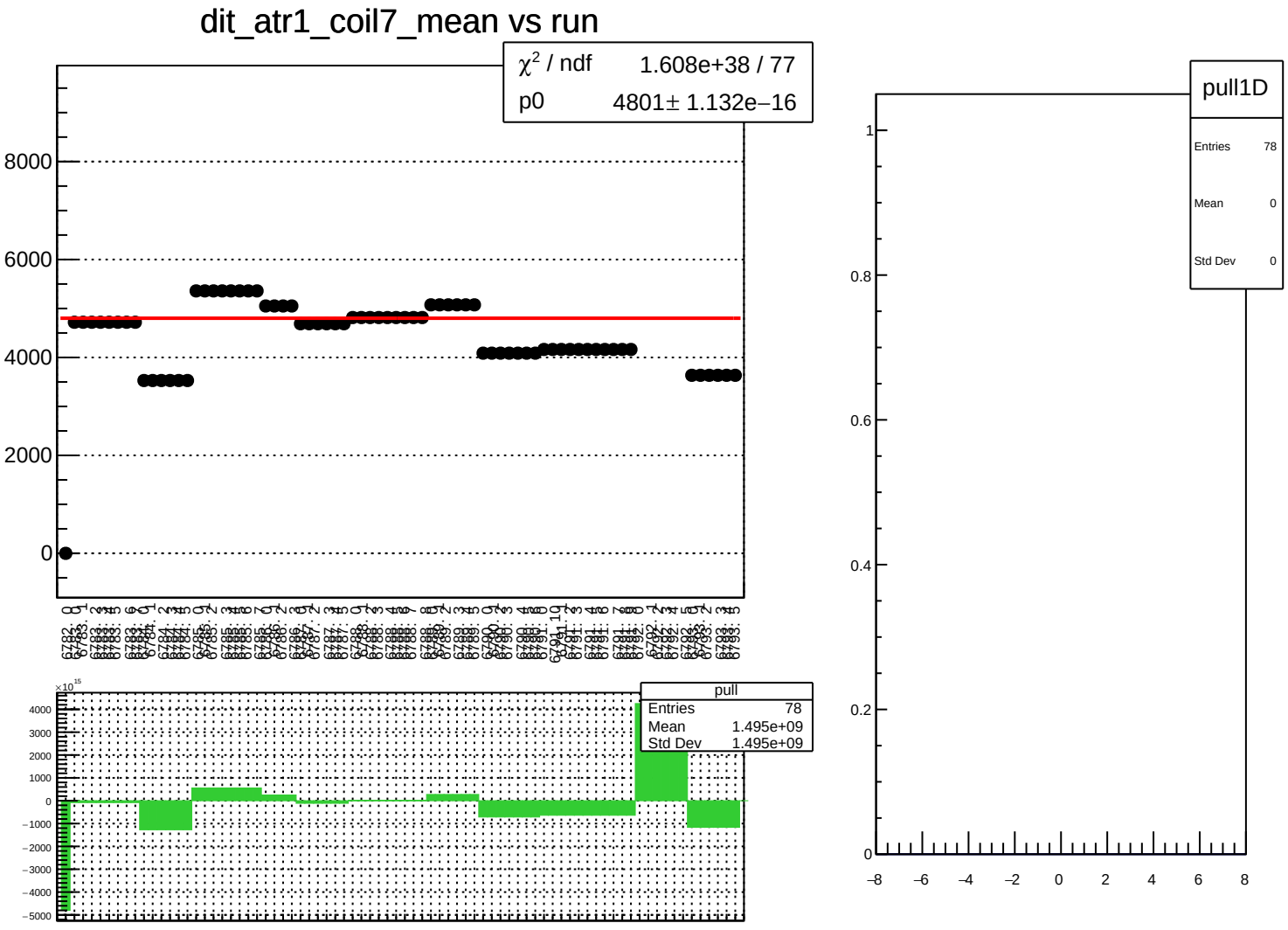


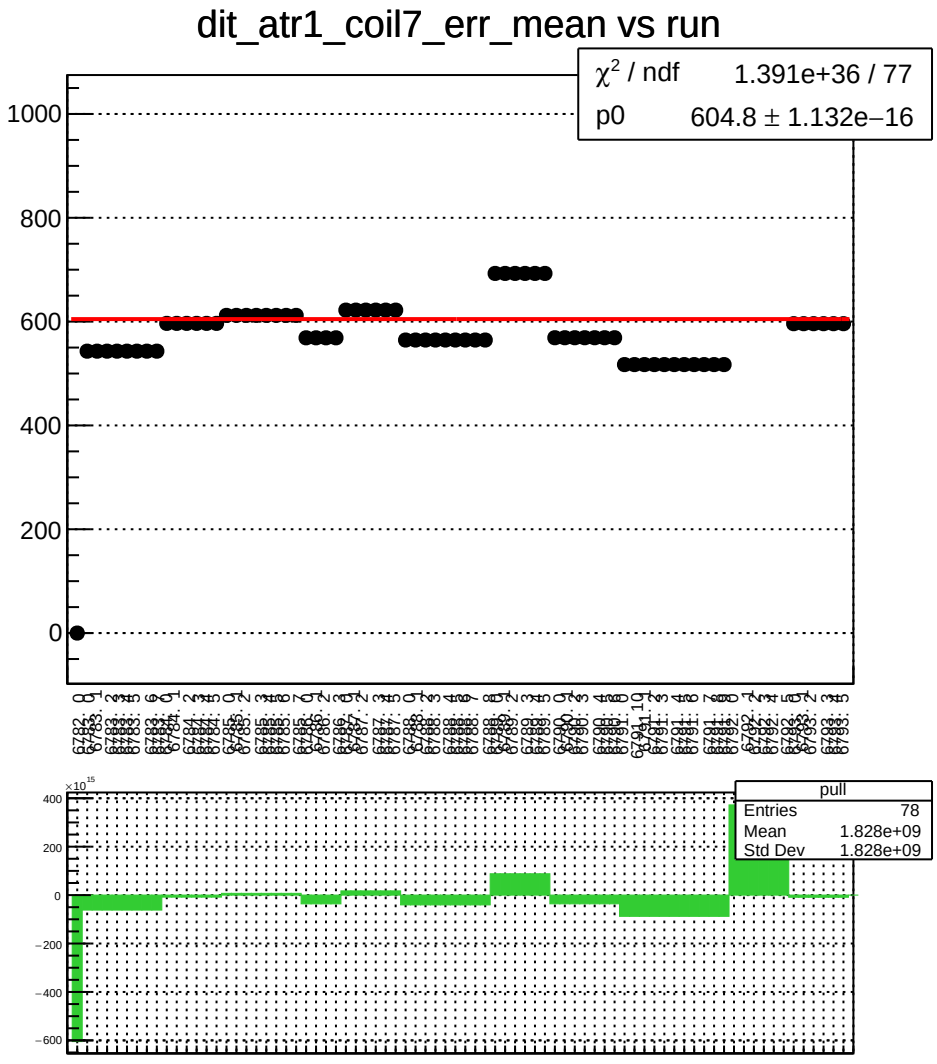


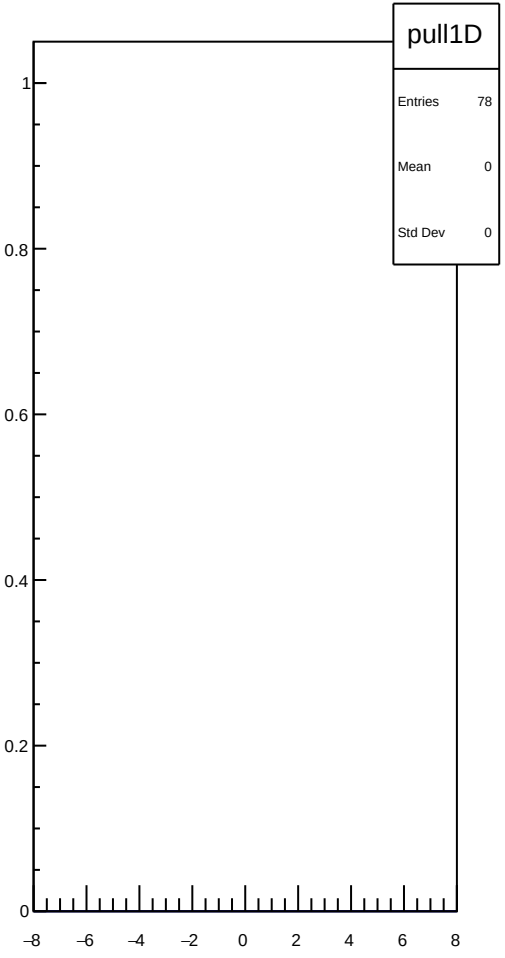
dit_atl2_coil7_Ndata_mean vs run



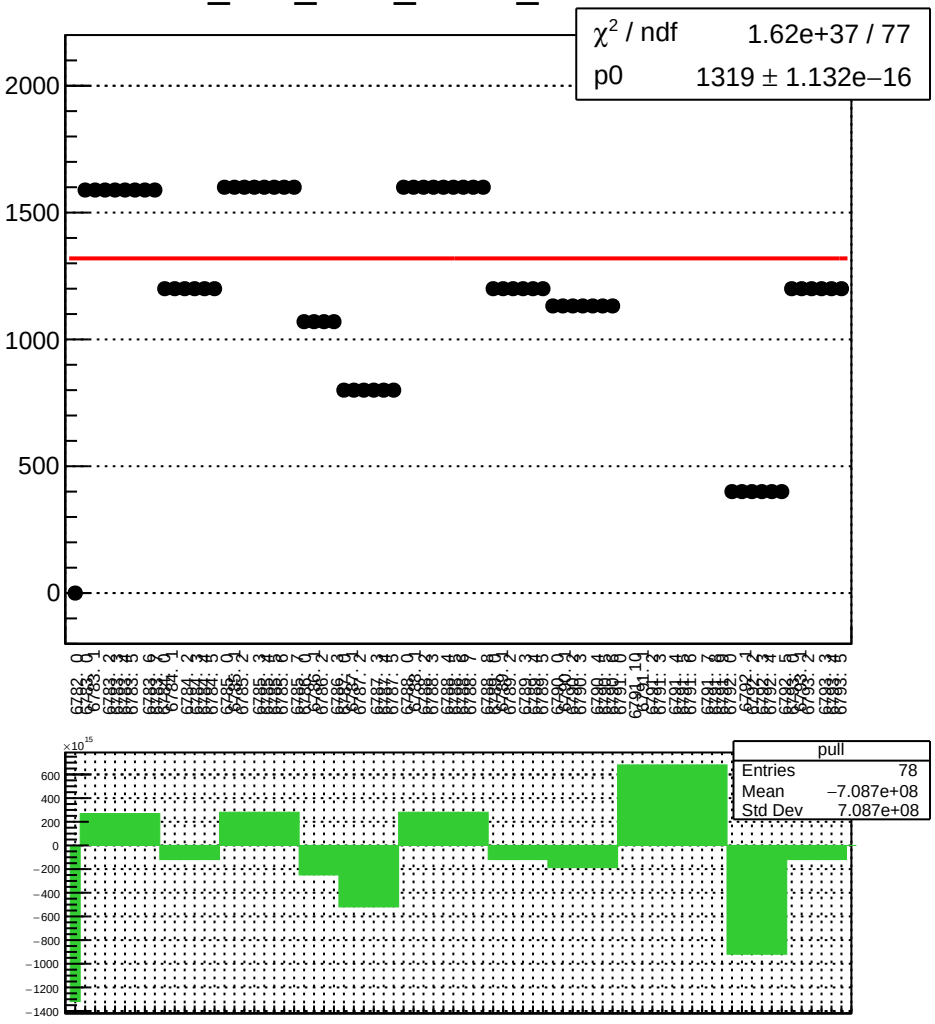


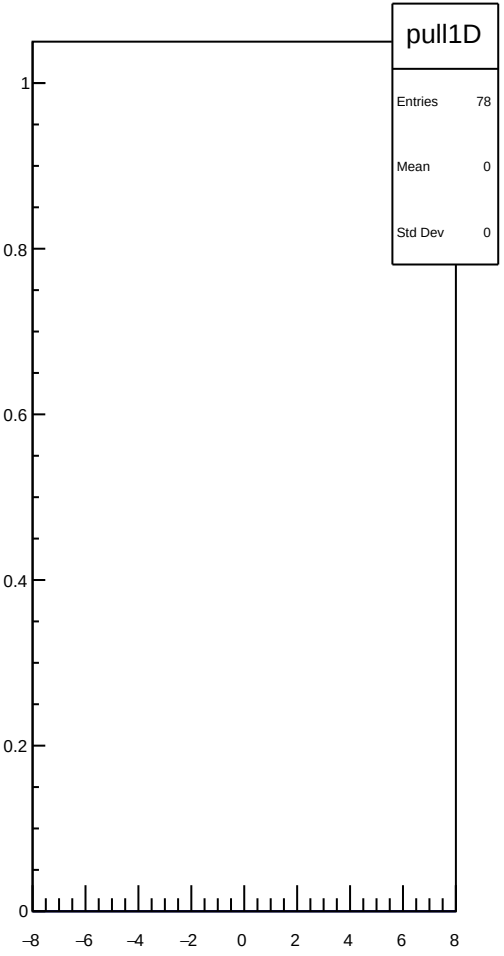

dit_atr1_coil7_mean vs run
χ² / ndf 1.608e+38 / 77
p0 4801± 1.132e−16
8000
6000
4000
2000
0
pull
Entries 78
Mean 1.495e+09
Std Dev 1.495e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

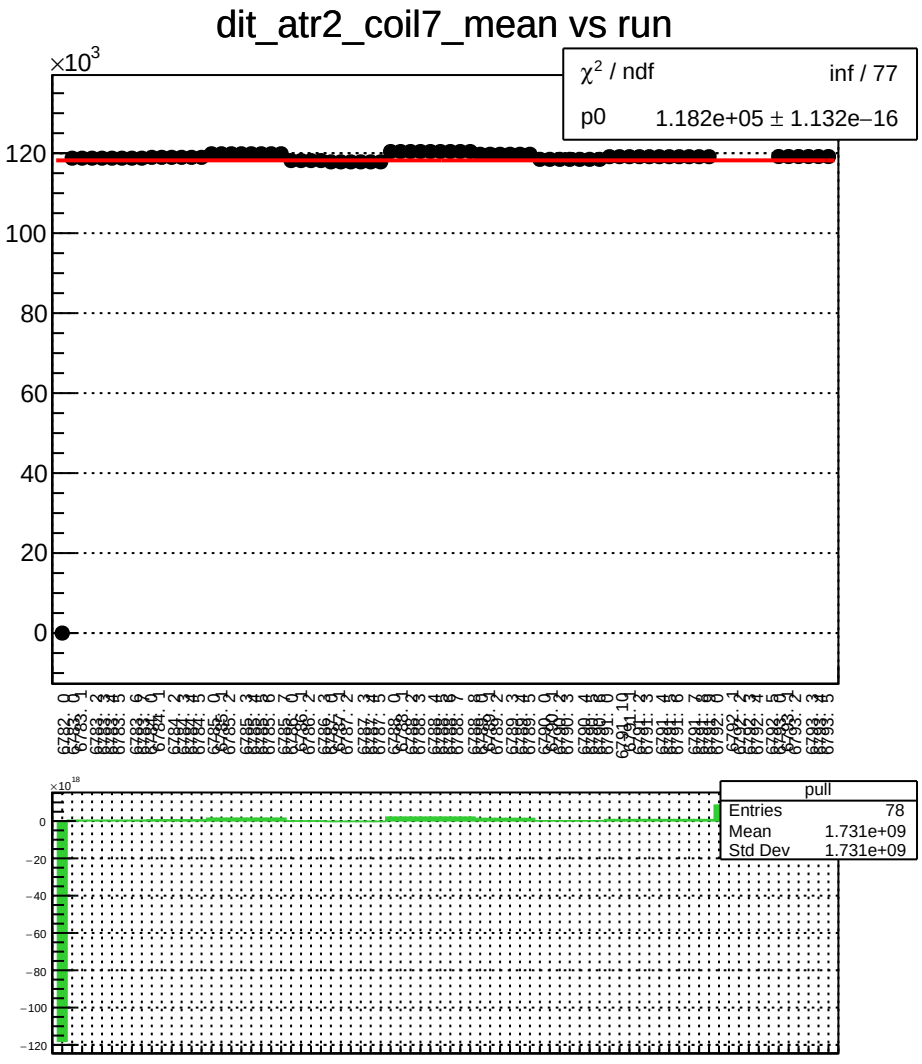

dit_atr1_coil7_err_mean vs run
χ^2 / ndf 1.391e+36 / 77
p0 604.8 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 1.828e+09
Std Dev 1.828e+09
400
200
0
−200
−400
−600

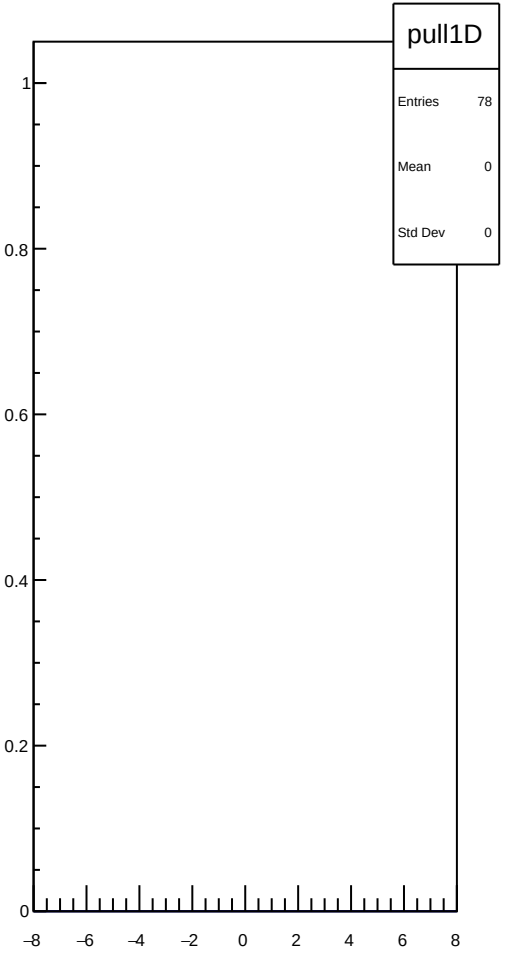

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_Ndata_mean vs run

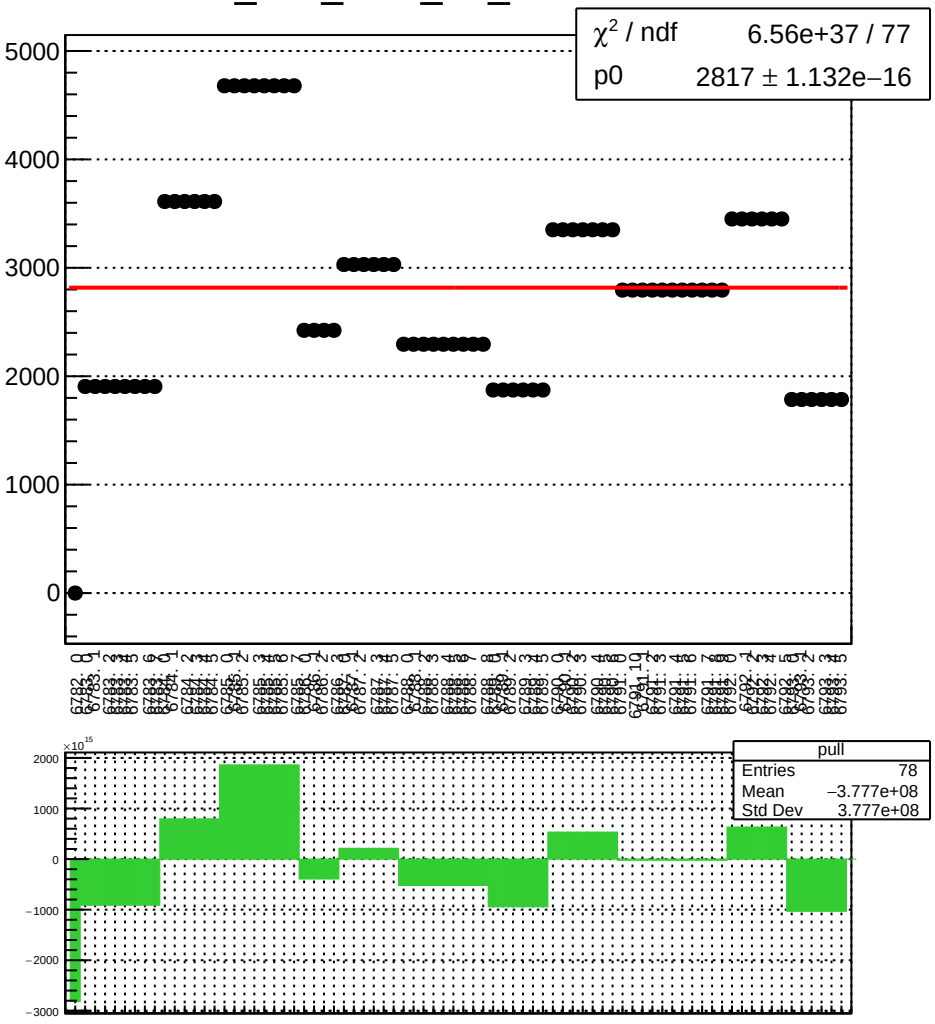


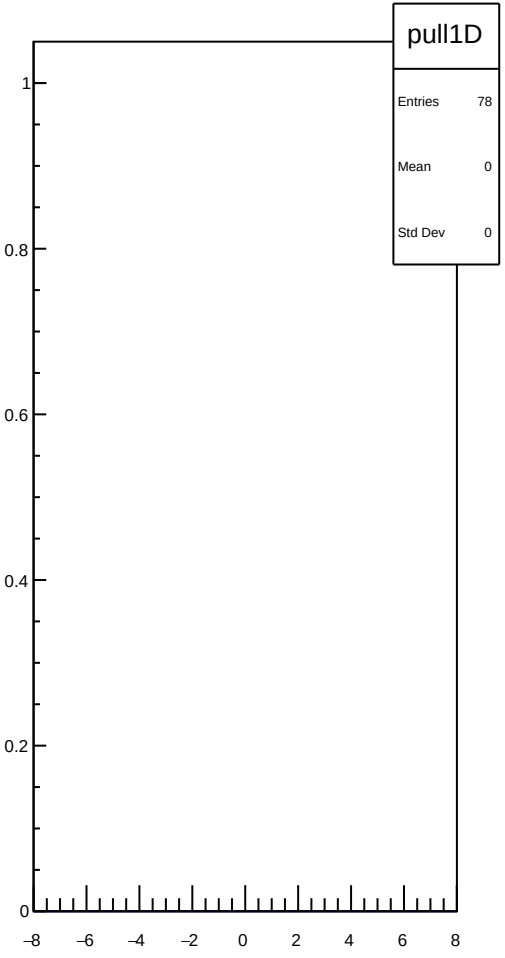



dit_atr2_coil7_mean vs run
χ^2 / ndf inf / 77
p0 1.182e+05 ± 1.132e−16
×10^3
120
100
80
60
40
20
0
pull
Entries 78
Mean 1.731e+09
Std Dev 1.731e+09
×10^18
0
−20
−40
−60
−80
−100
−120

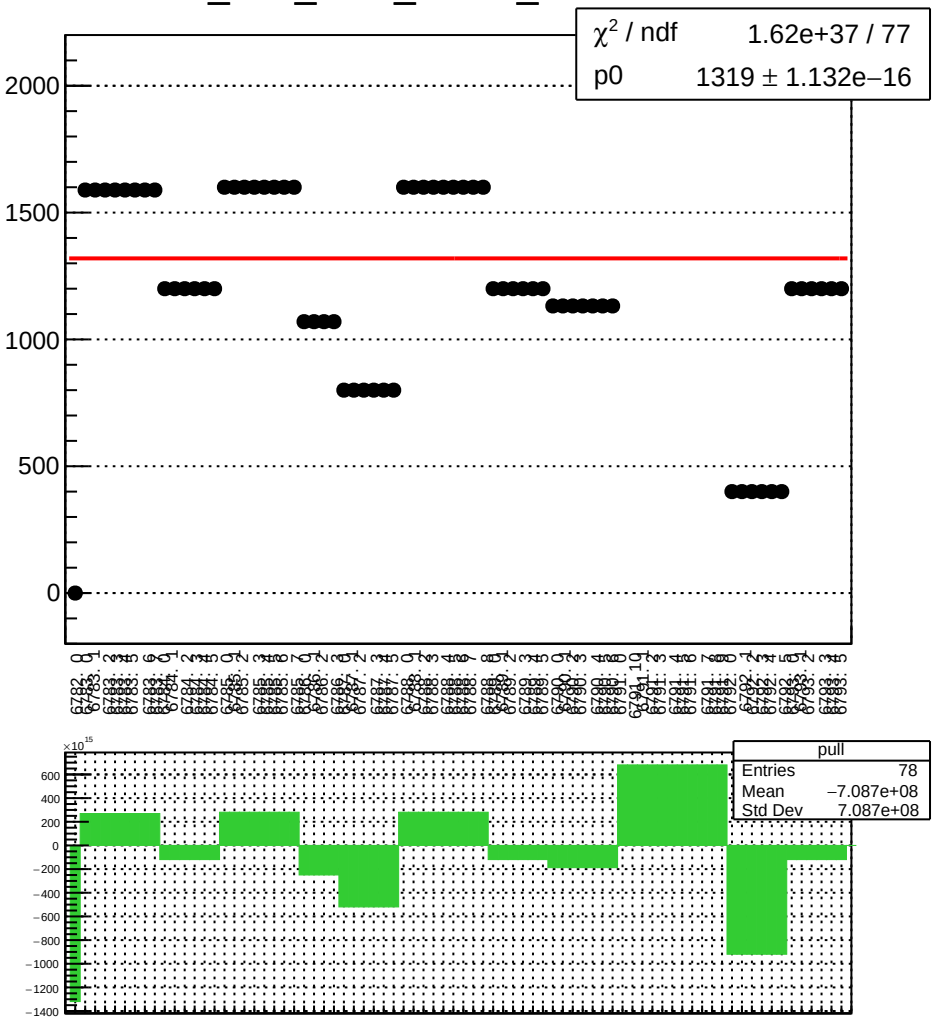

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

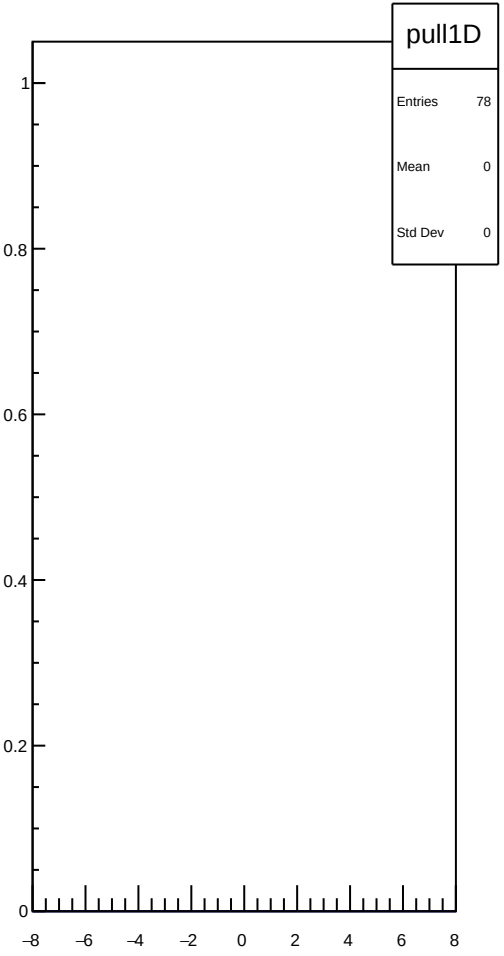
dit_atr2_coil7_err_mean vs run

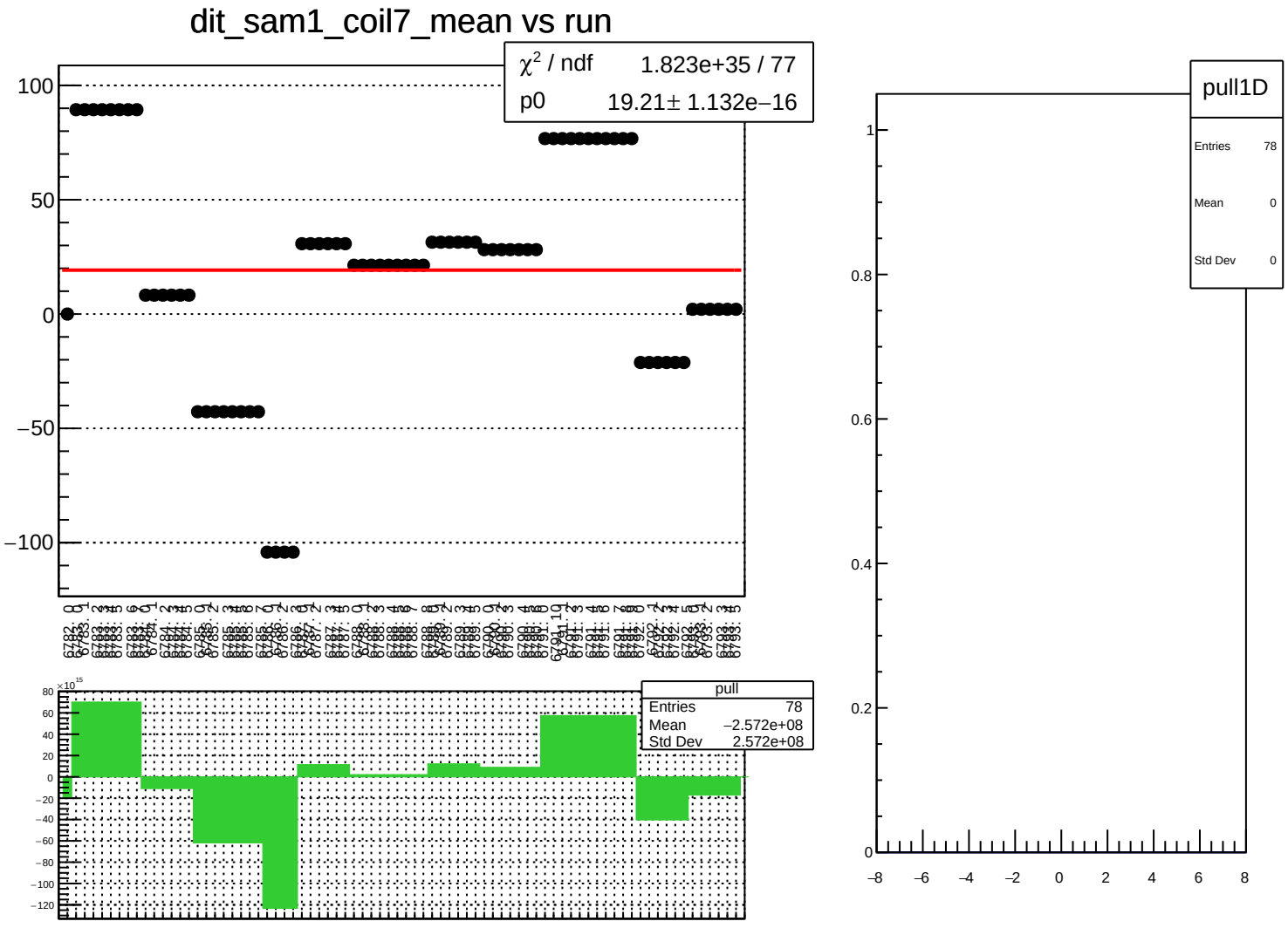


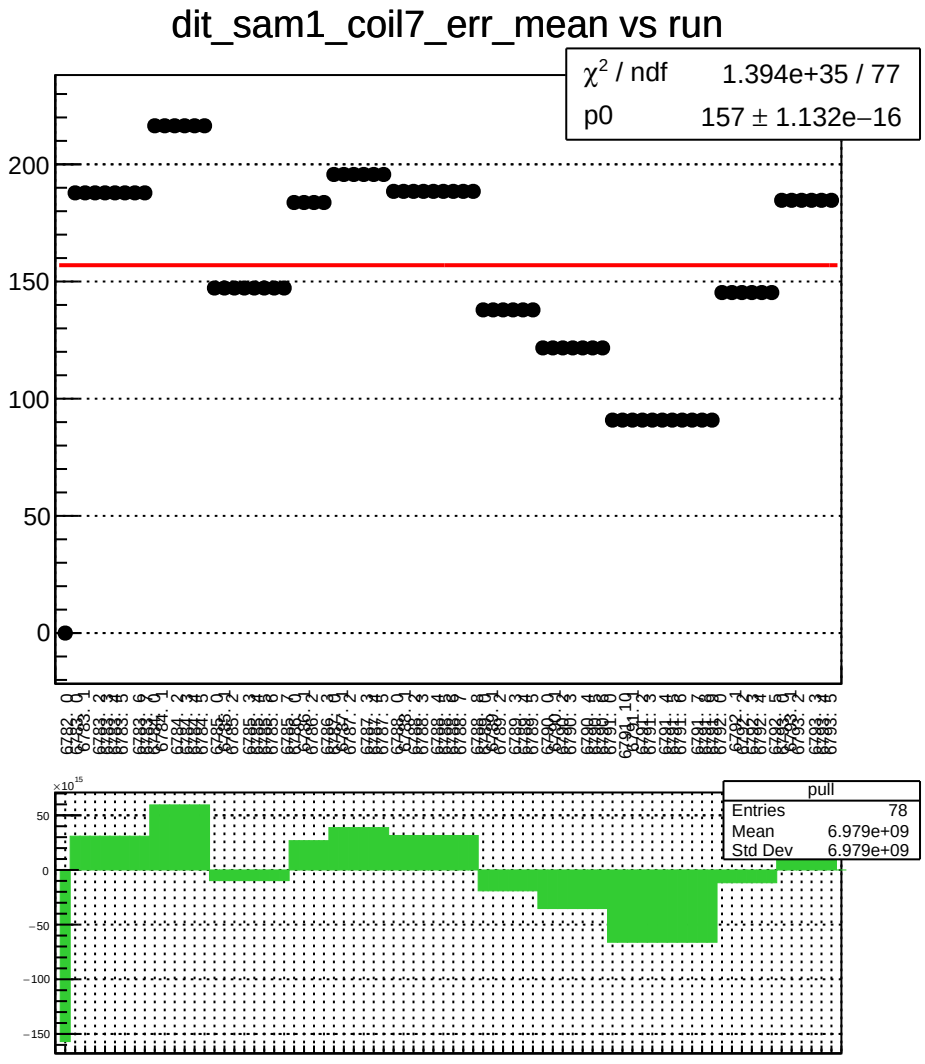


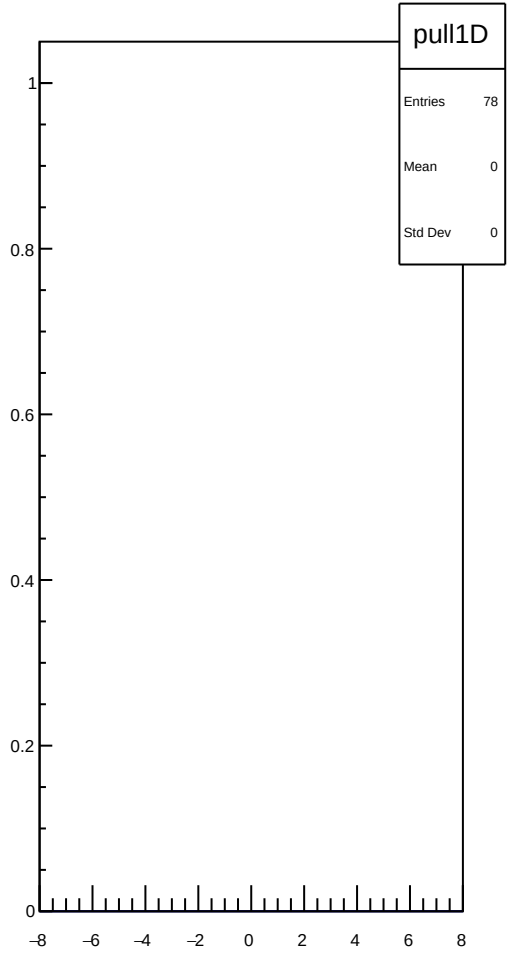
dit_atr2_coil7_Ndata_mean vs run

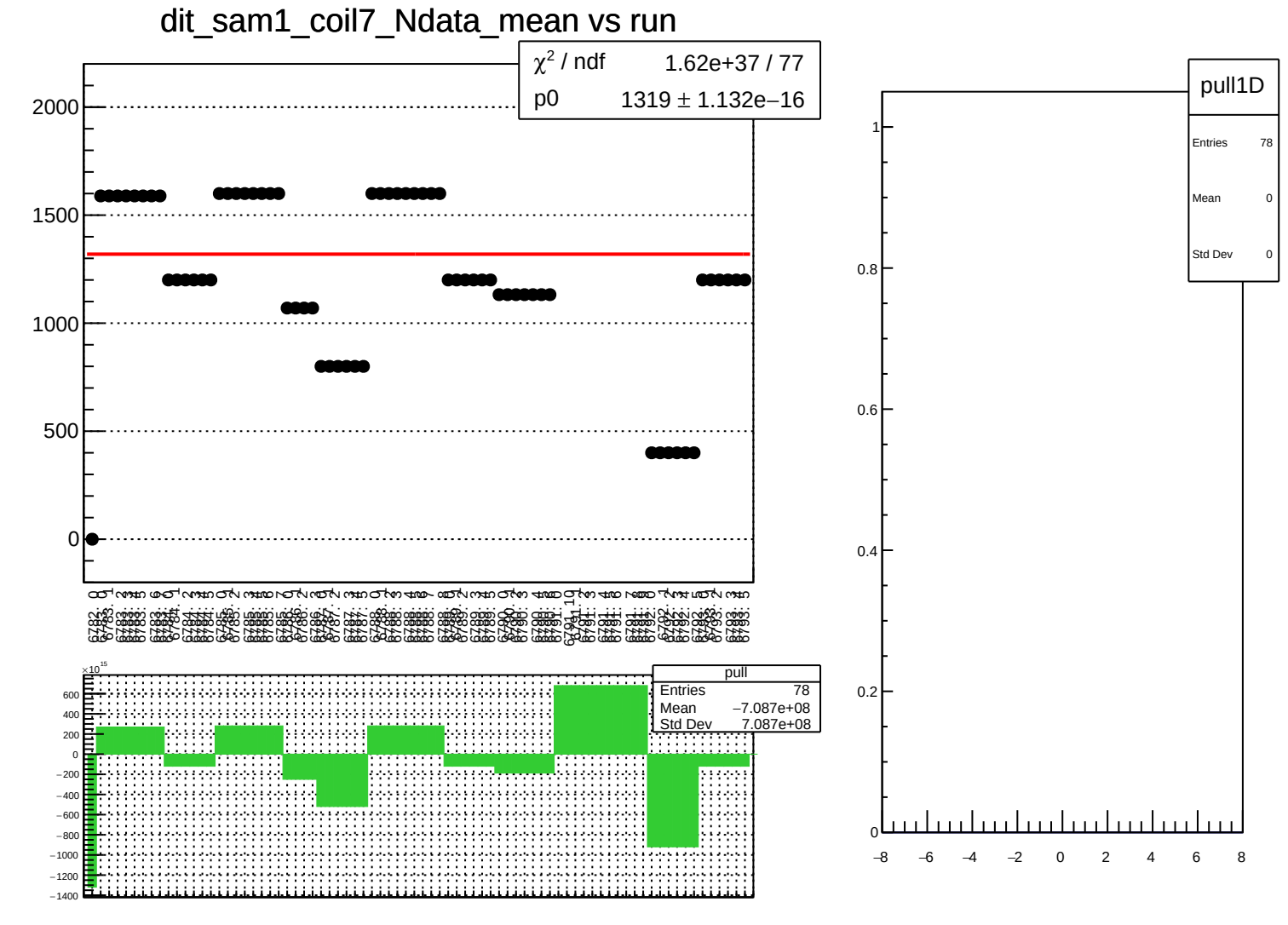


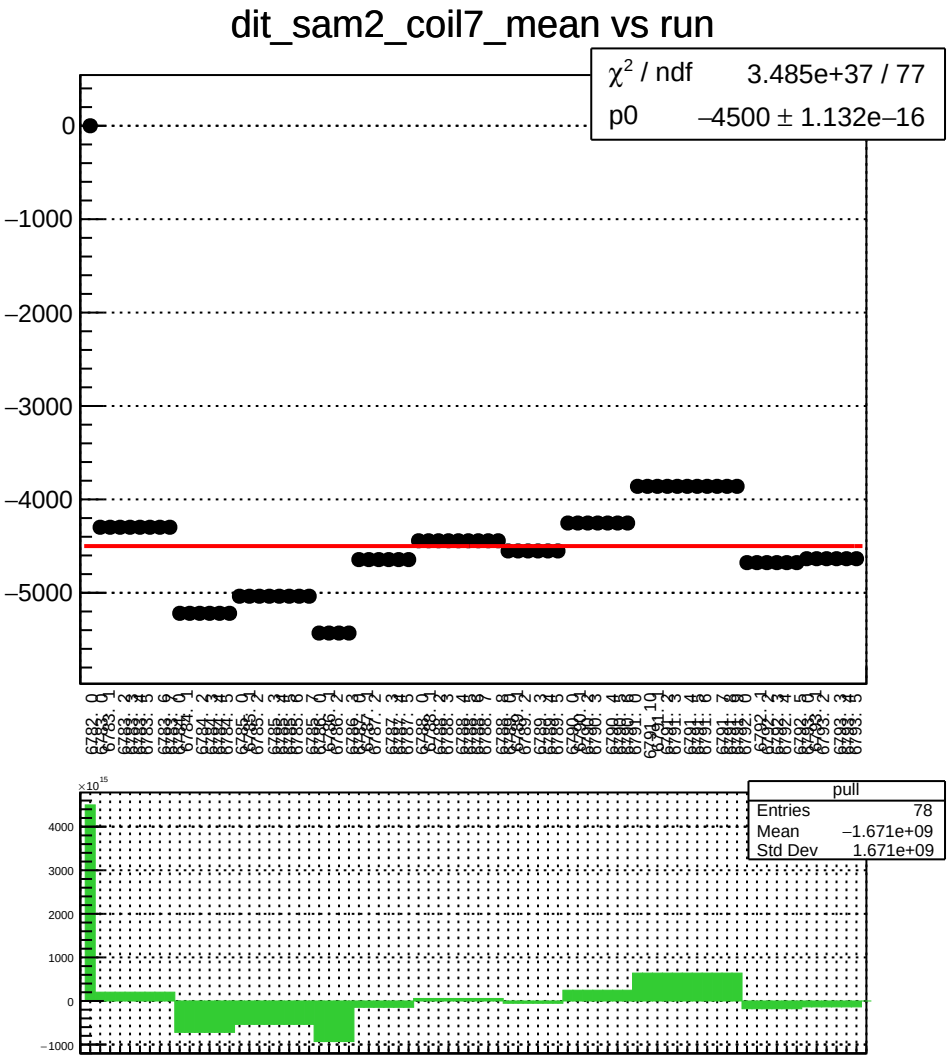


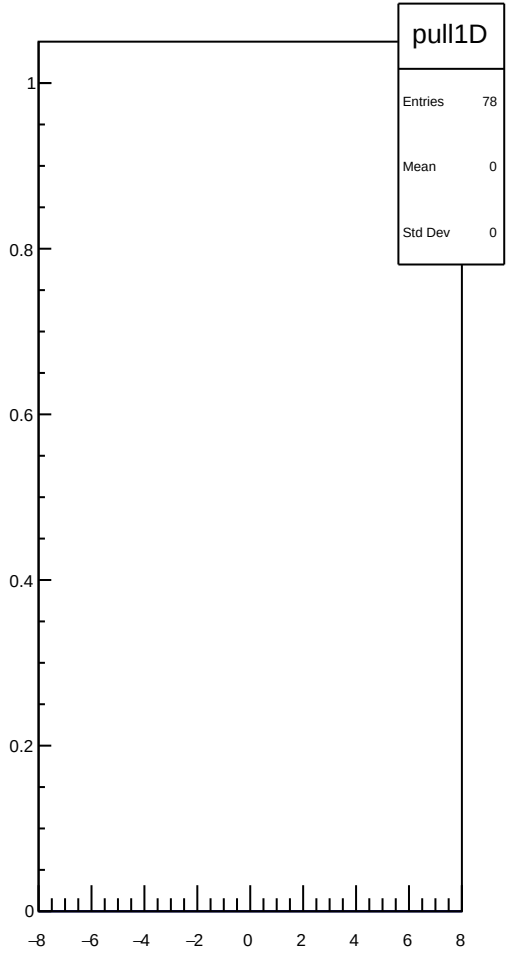

dit_sam1_coil7_mean vs run
χ^2 / ndf 1.823e+35 / 77
p0 19.21± 1.132e−16
100
50
0
−50
−100
pull
Entries 78
Mean −2.572e+08
Std Dev 2.572e+08
×10^15
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

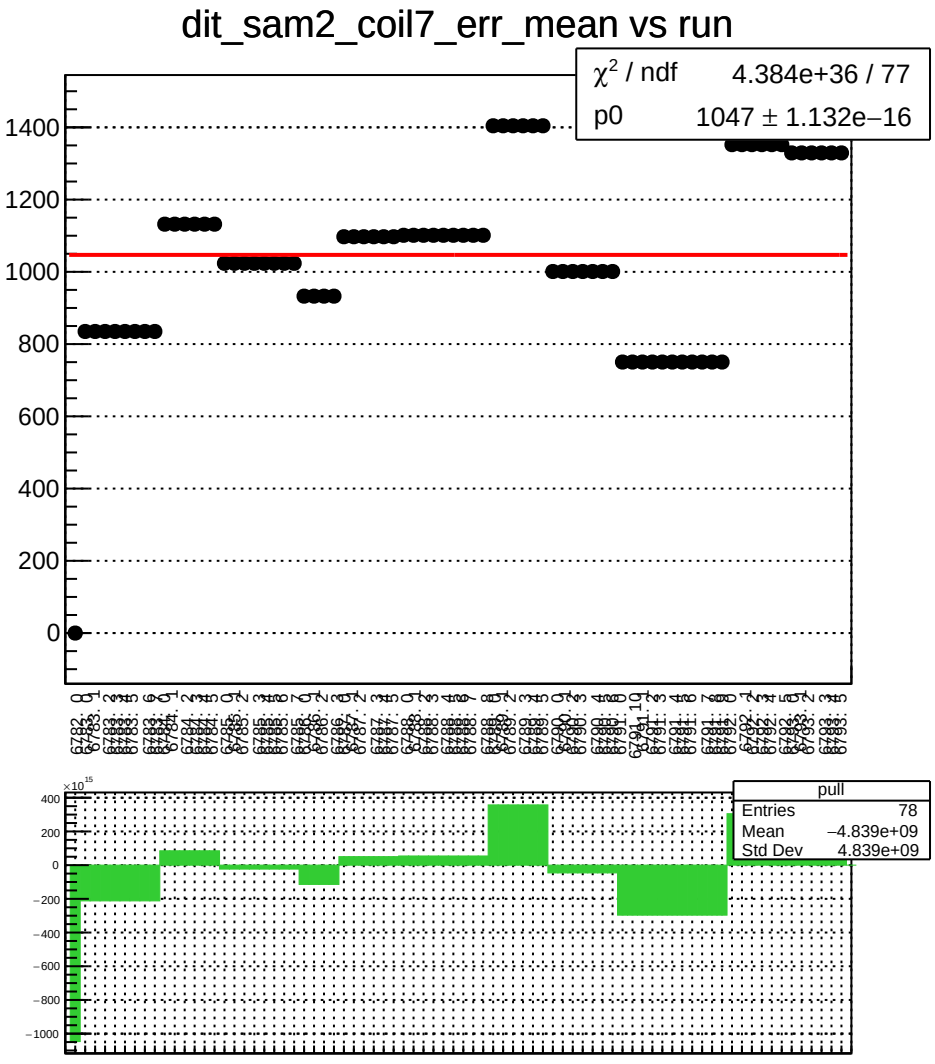

dit_sam1_coil7_err_mean vs run
χ^2 / ndf 1.394e+35 / 77
p0 157 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 6.979e+09
Std Dev 6.979e+09
×10^15
50
0
−50
−100
−150

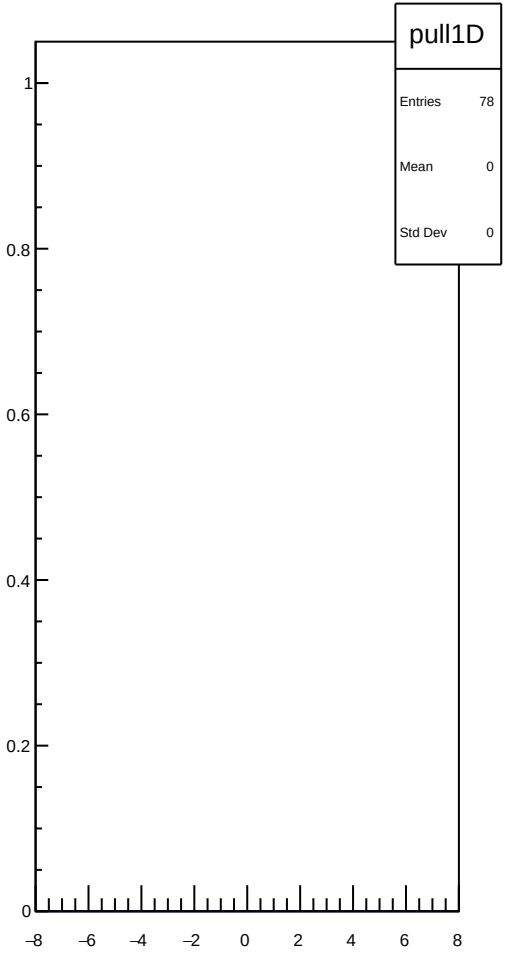

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

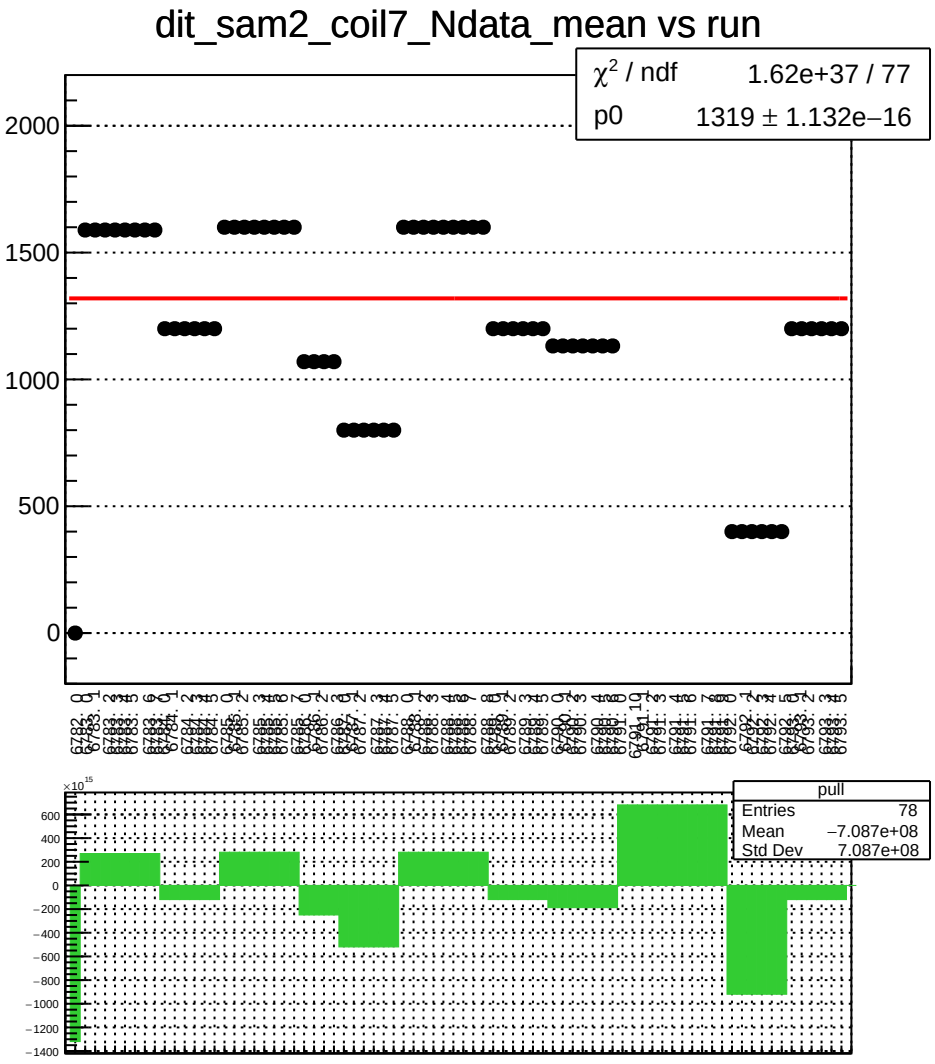

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

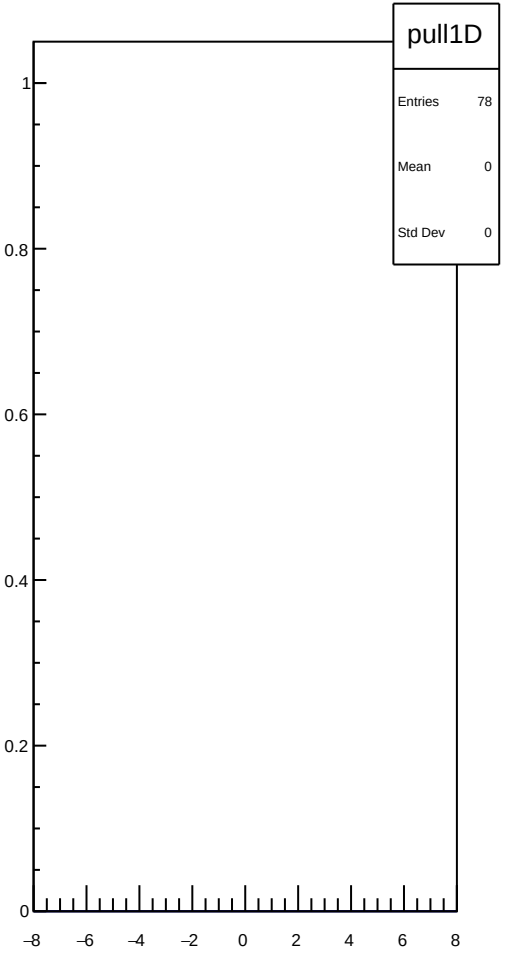

dit_sam2_coil7_mean vs run
χ^2 / ndf 3.485e+37 / 77
p0 –4500 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 78
Mean –1.671e+09
Std Dev 1.671e+09
×10^15
4000
3000
2000
1000
0
–1000

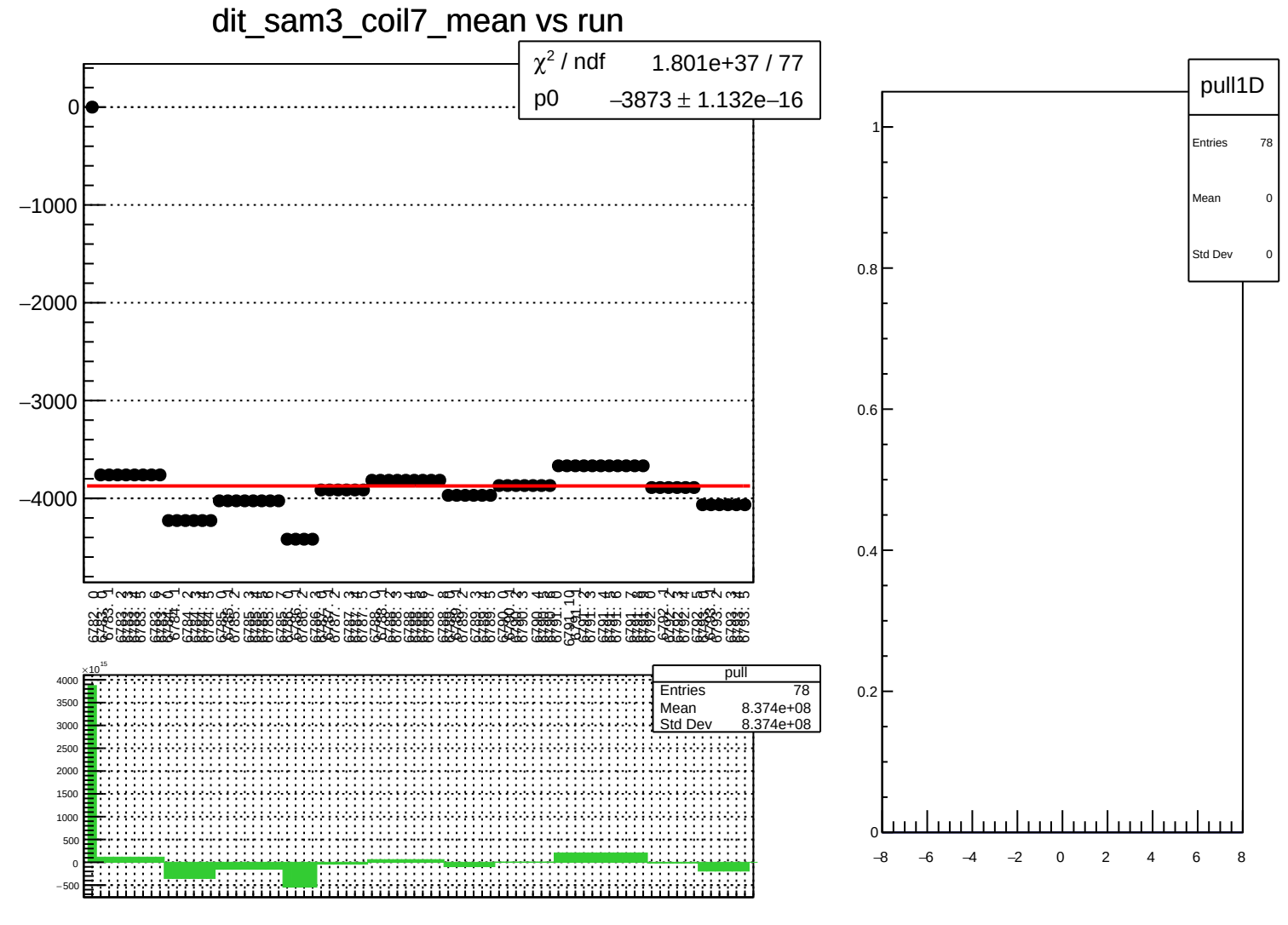

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

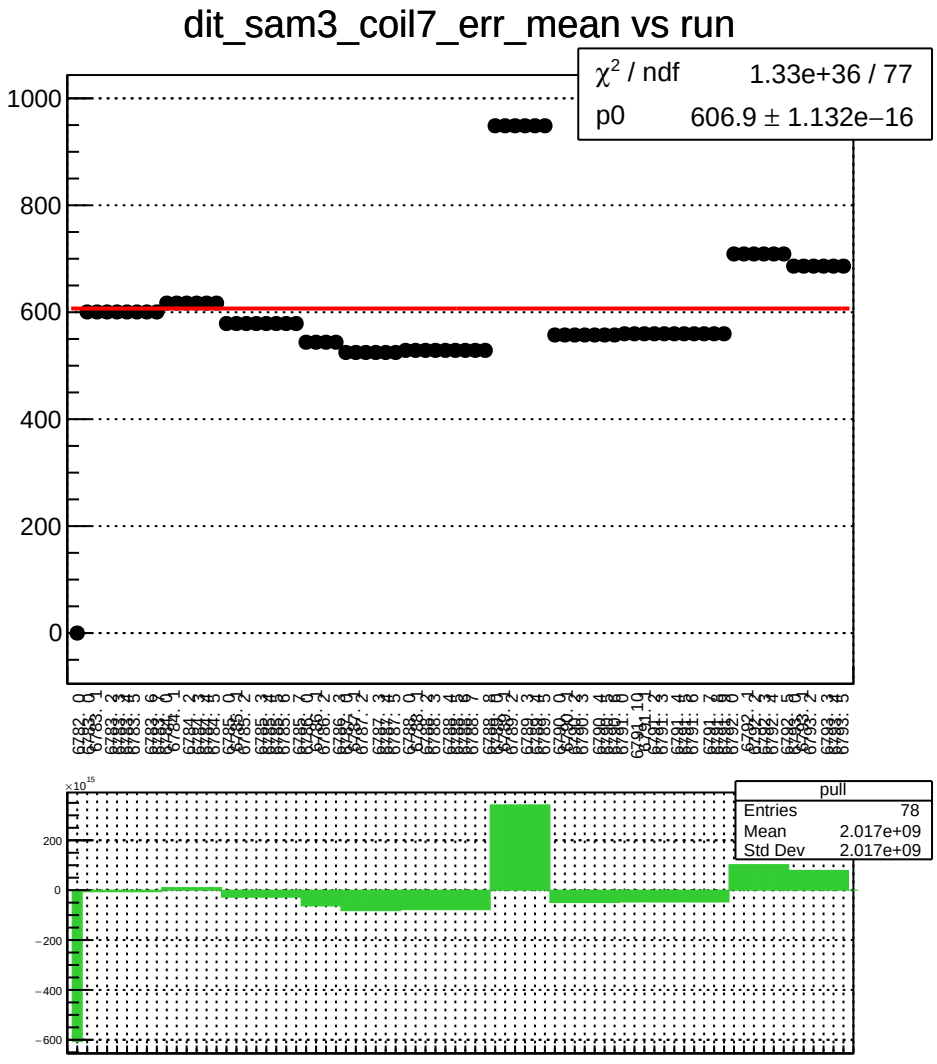

dit_sam2_coil7_err_mean vs run
χ^2 / ndf 4.384e+36 / 77
p0 1047 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −4.839e+09
Std Dev 4.839e+09
400
200
0
−200
−400
−600
−800
−1000

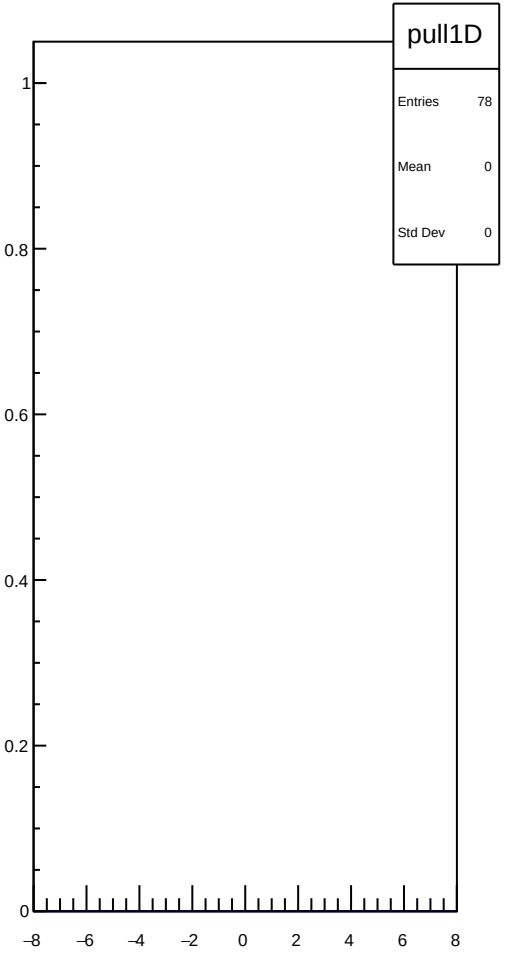

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

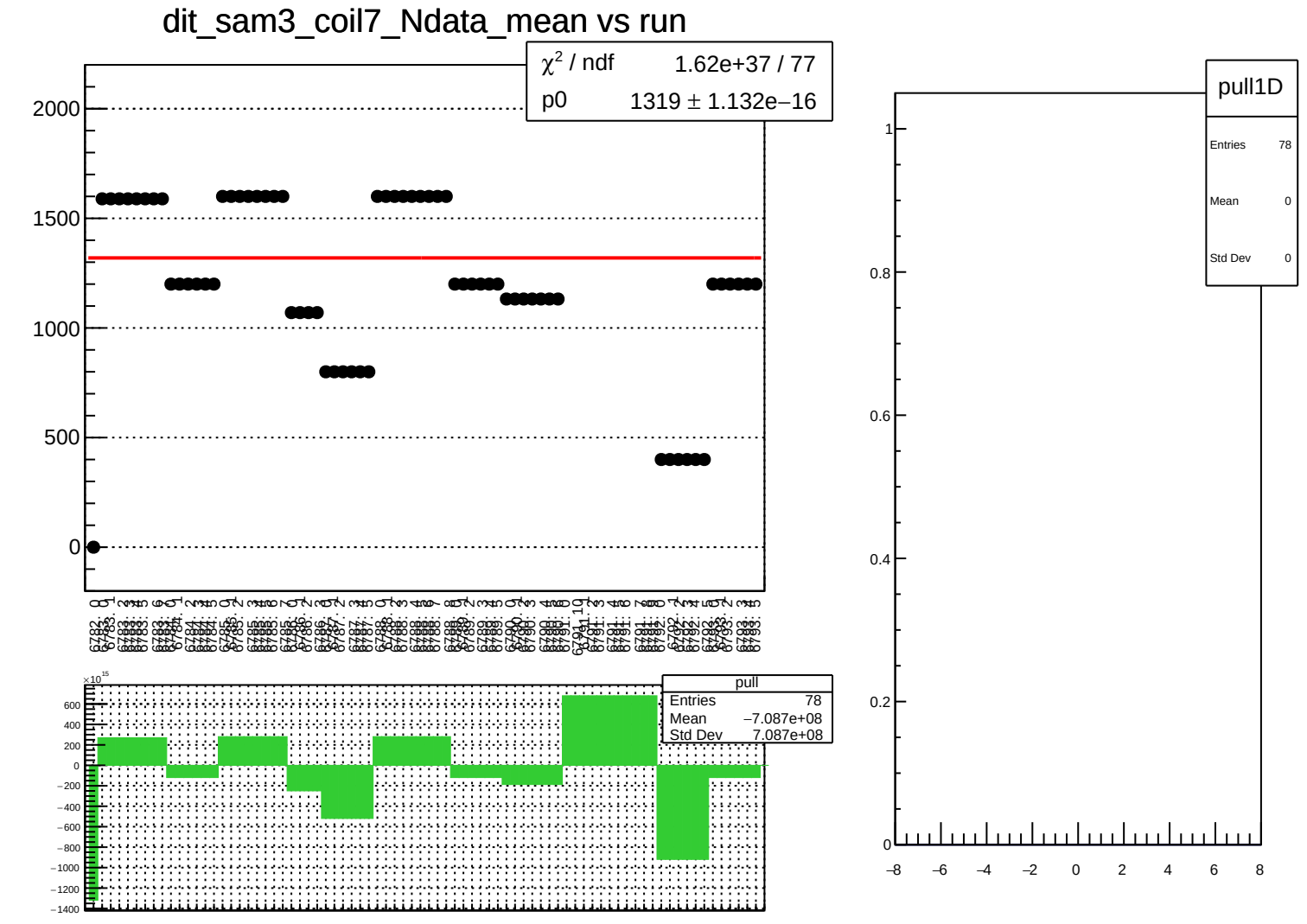

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

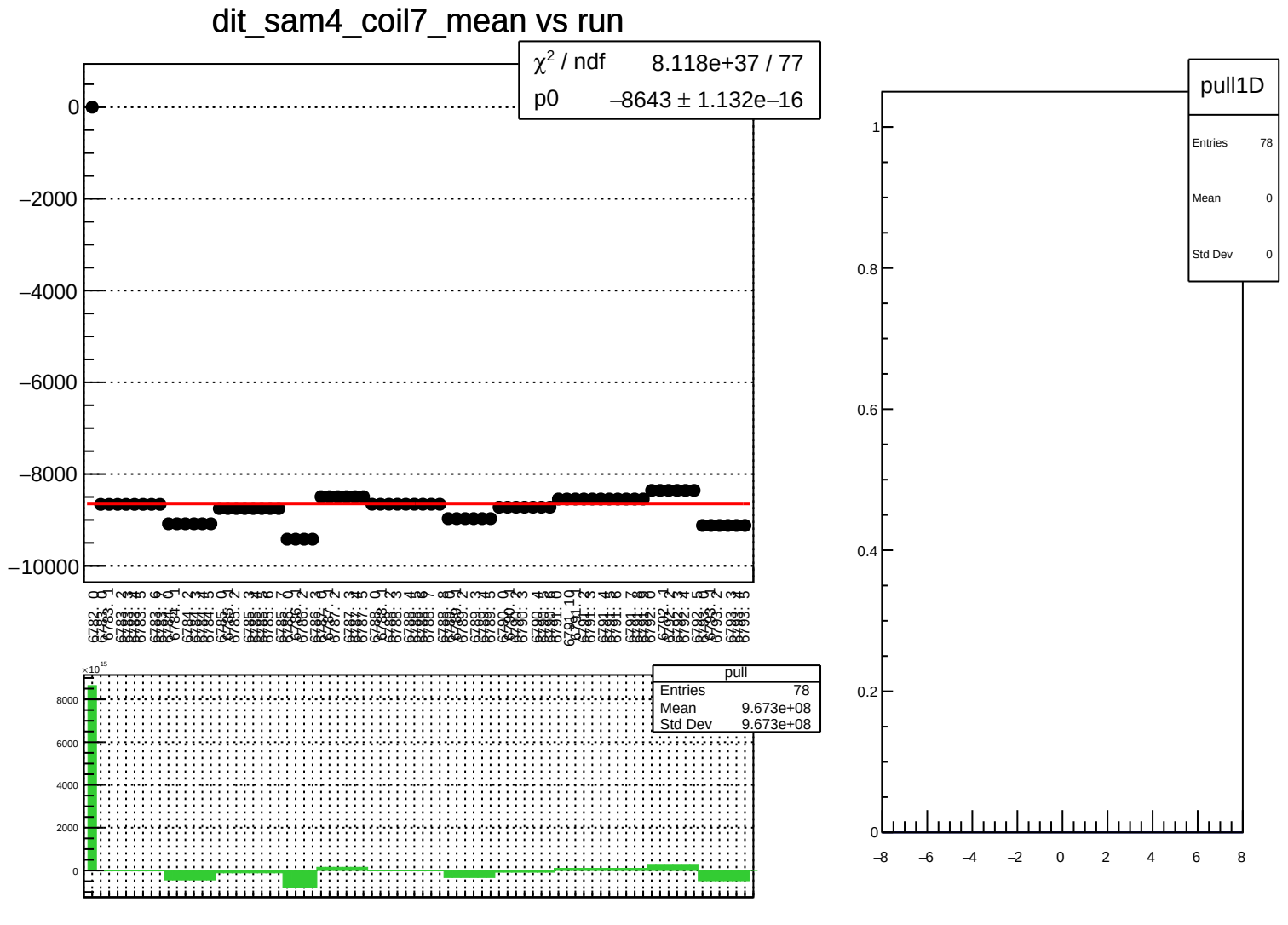

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam3_coil7_mean vs run
χ² / ndf 1.801e+37 / 77
p0 –3873 ± 1.132e–16
0
–1000
–2000
–3000
–4000
pull
Entries 78
Mean 8.374e+08
Std Dev 8.374e+08
×10¹⁵
4000
3500
3000
2500
2000
1500
1000
500
0
–500
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

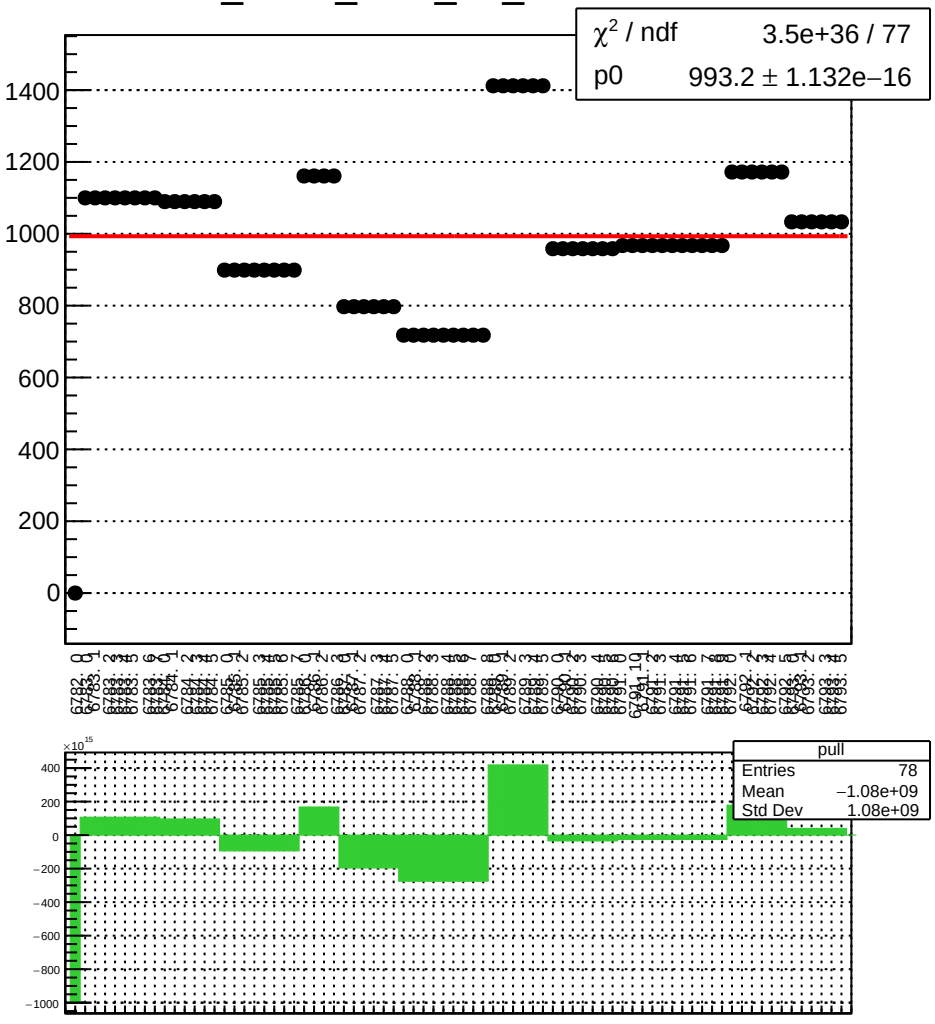

dit_sam3_coil7_err_mean vs run
χ^2 / ndf 1.33e+36 / 77
p0 606.9 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 2.017e+09
Std Dev 2.017e+09
200
0
−200
−400
−600

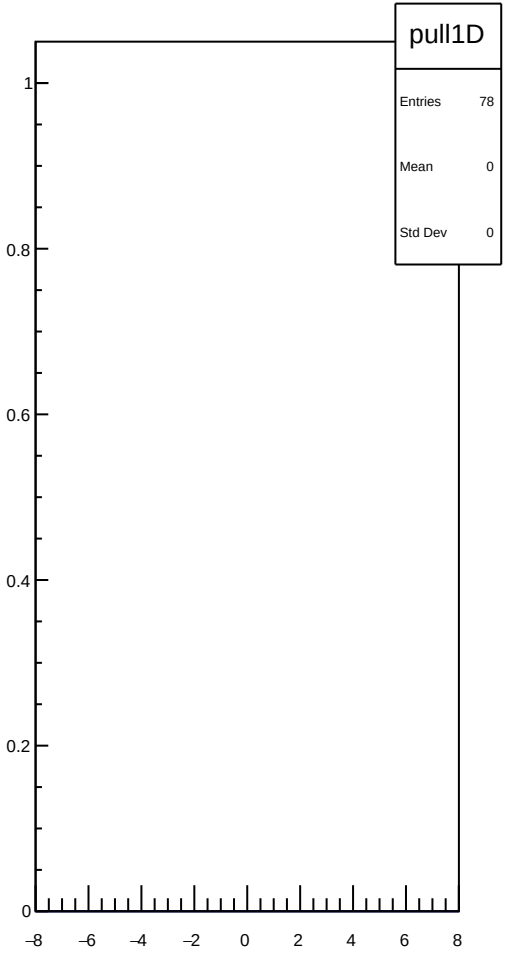

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

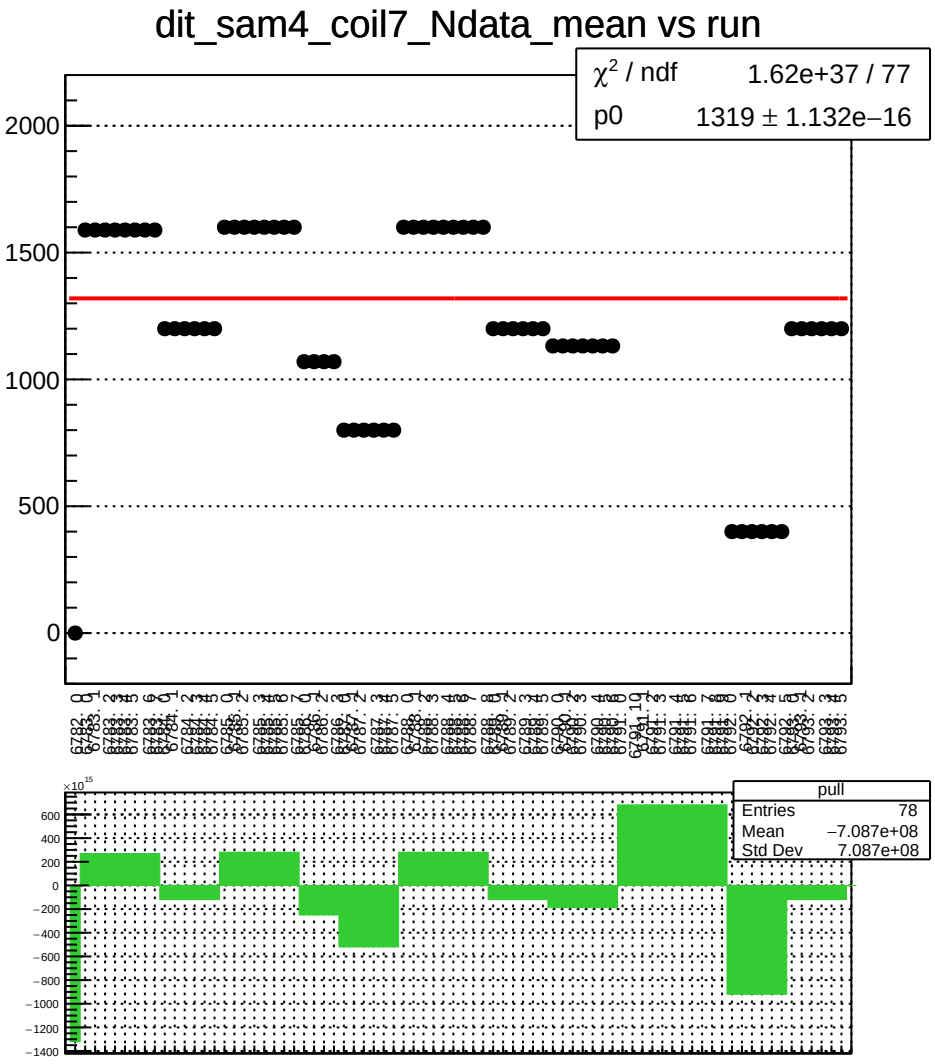

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

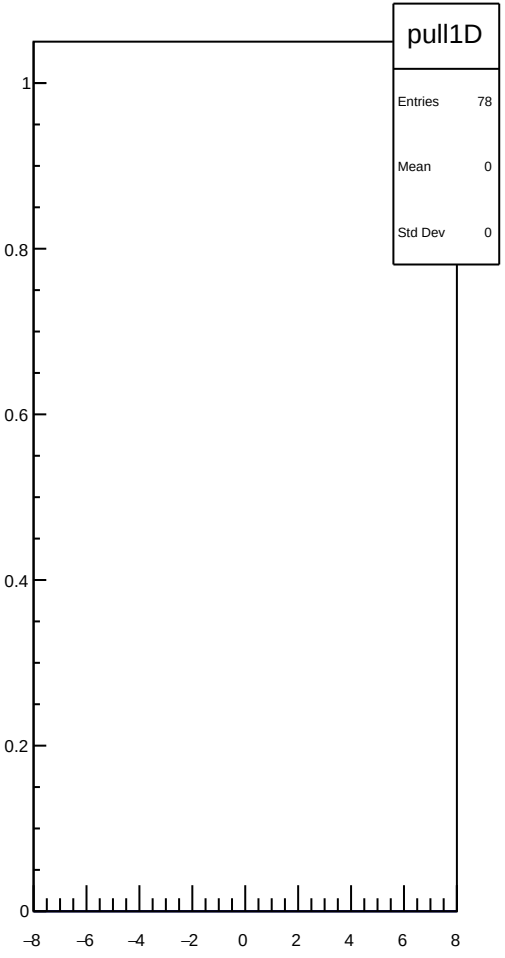

dit_sam4_coil7_mean vs run
χ² / ndf 8.118e+37 / 77
p0 –8643 ± 1.132e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 78
Mean 9.673e+08
Std Dev 9.673e+08
×10^15
8000
6000
4000
2000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

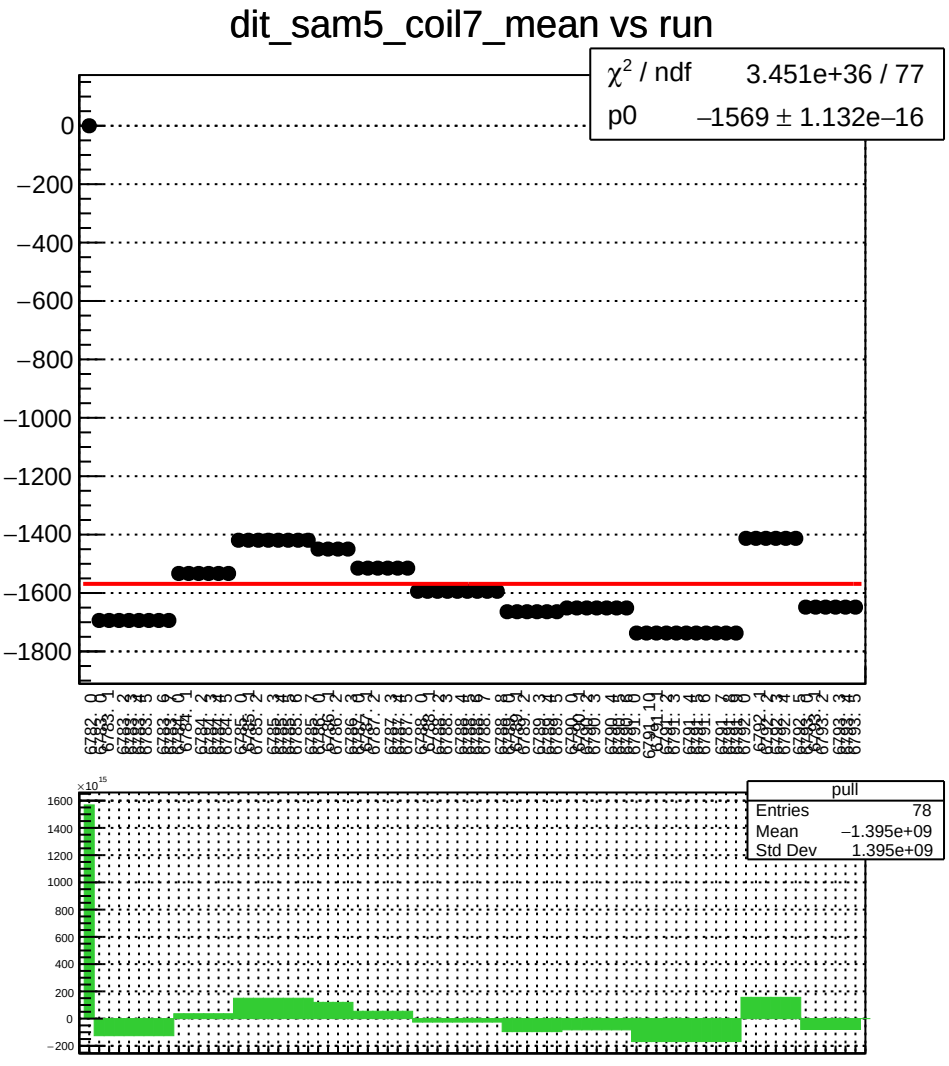
dit_sam4_coil7_err_mean vs run

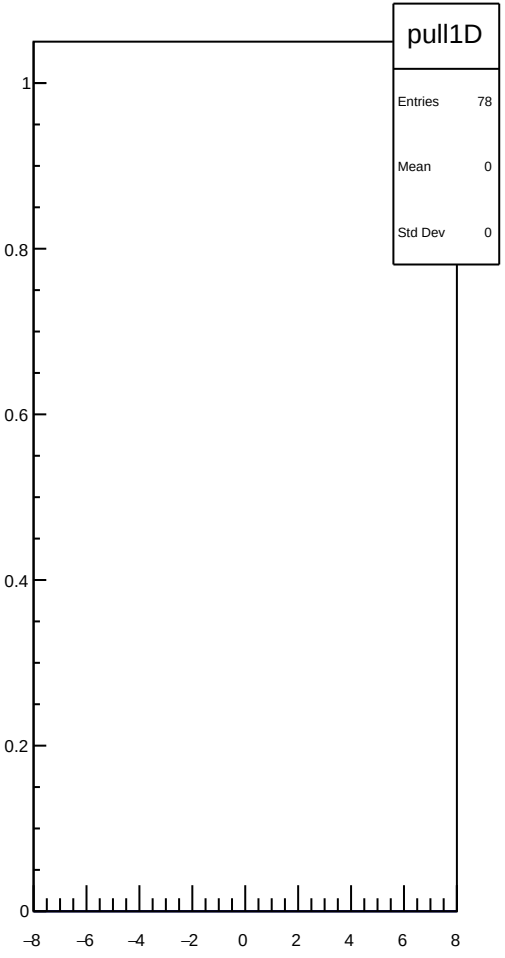


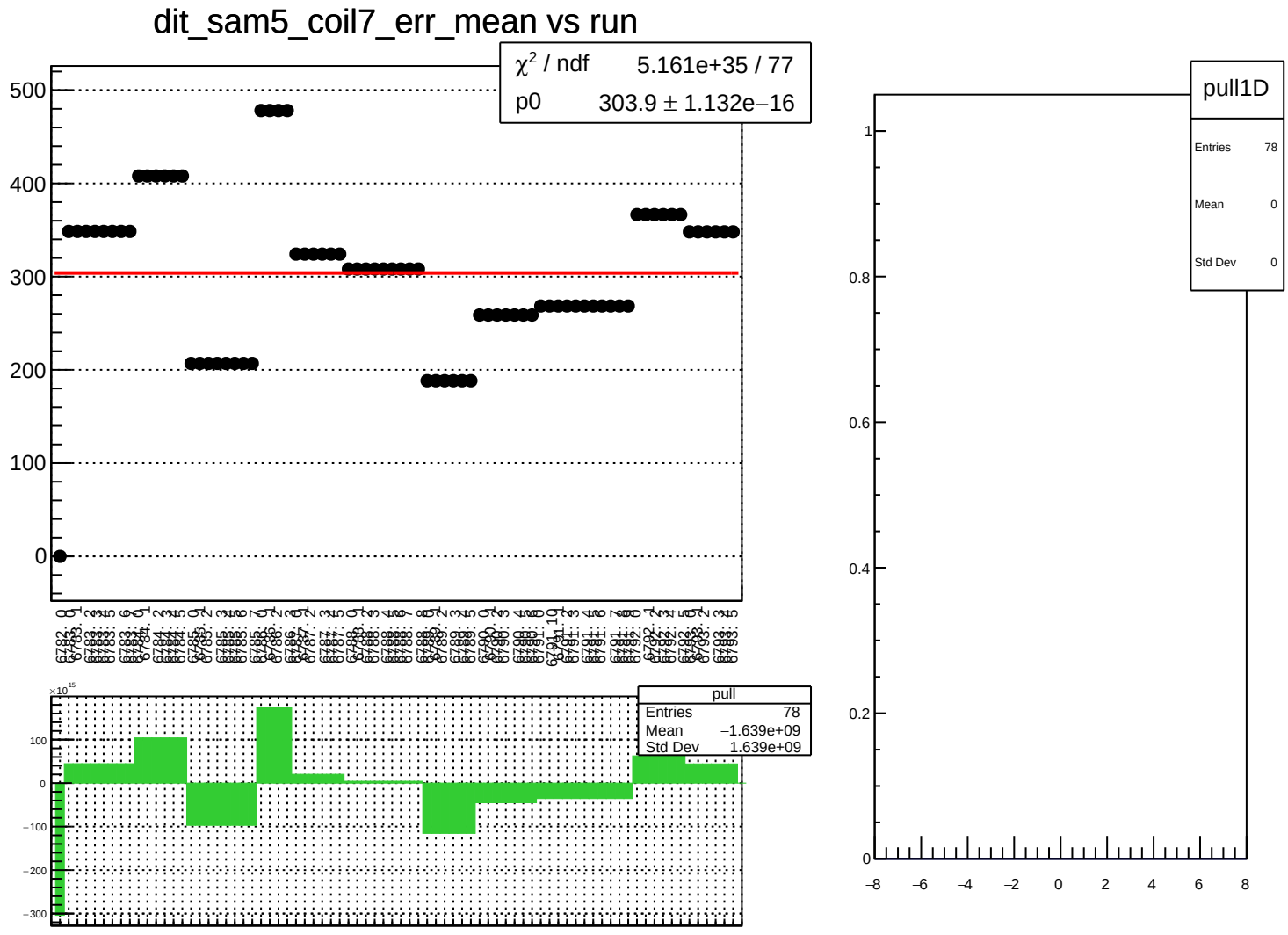


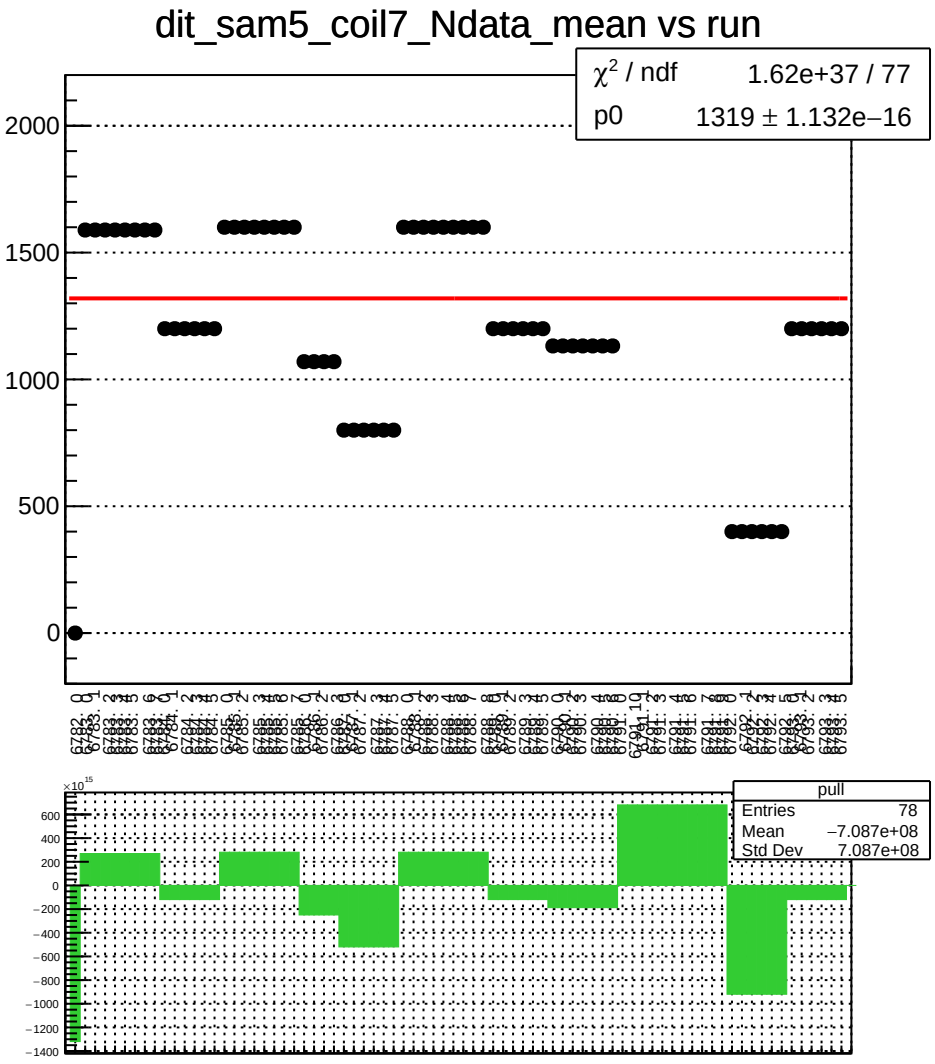

dit_sam4_coil7_Ndata_mean vs run
χ^2 / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

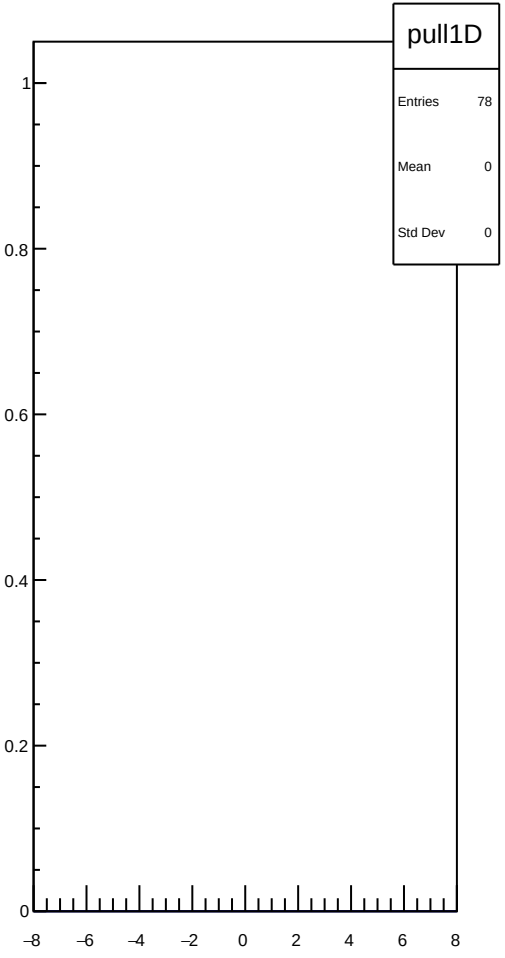

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

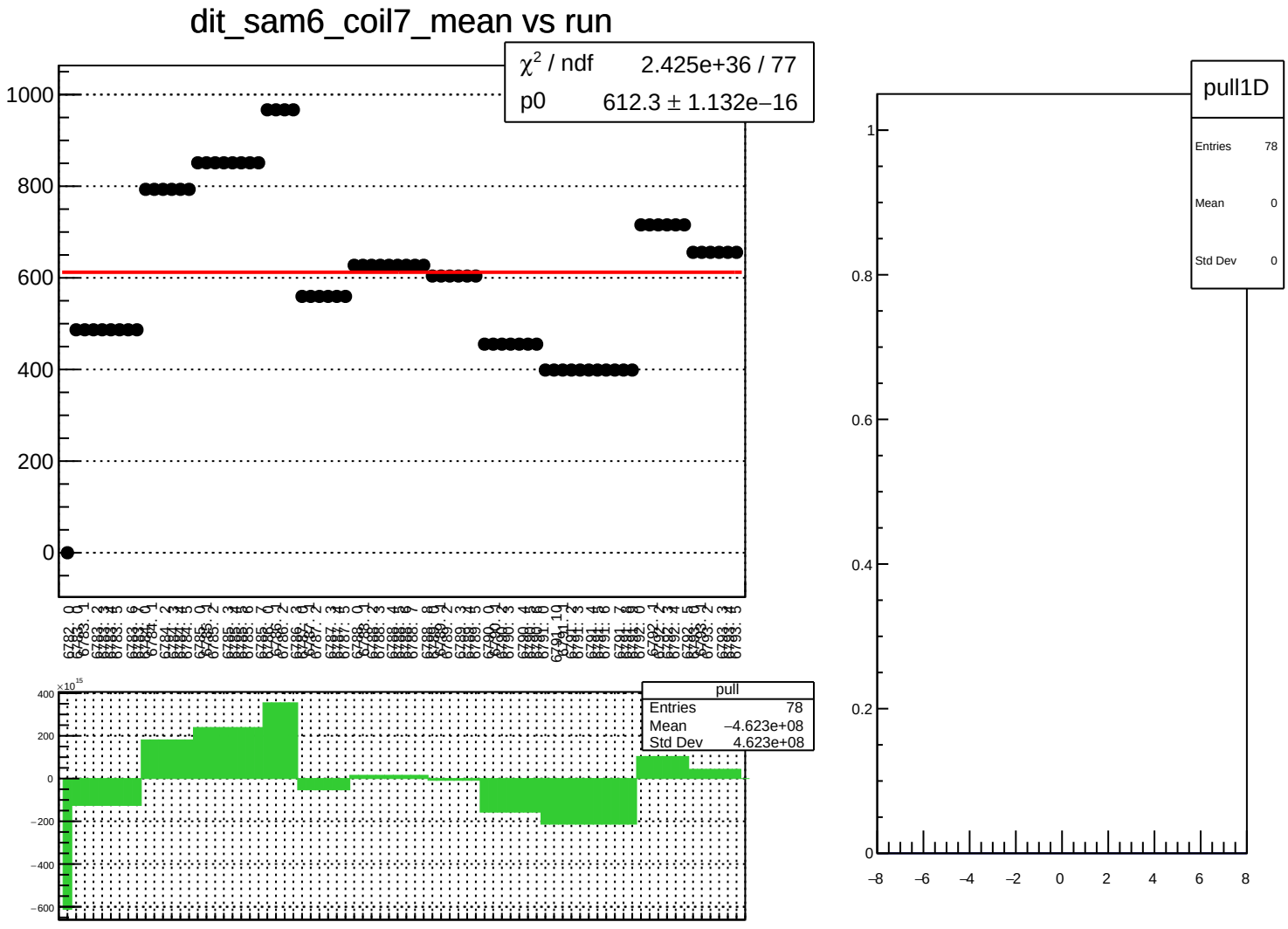

dit_sam5_coil7_mean vs run
χ² / ndf 3.451e+36 / 77
p0 −1569 ± 1.132e−16
pull
Entries 78
Mean −1.395e+09
Std Dev 1.395e+09

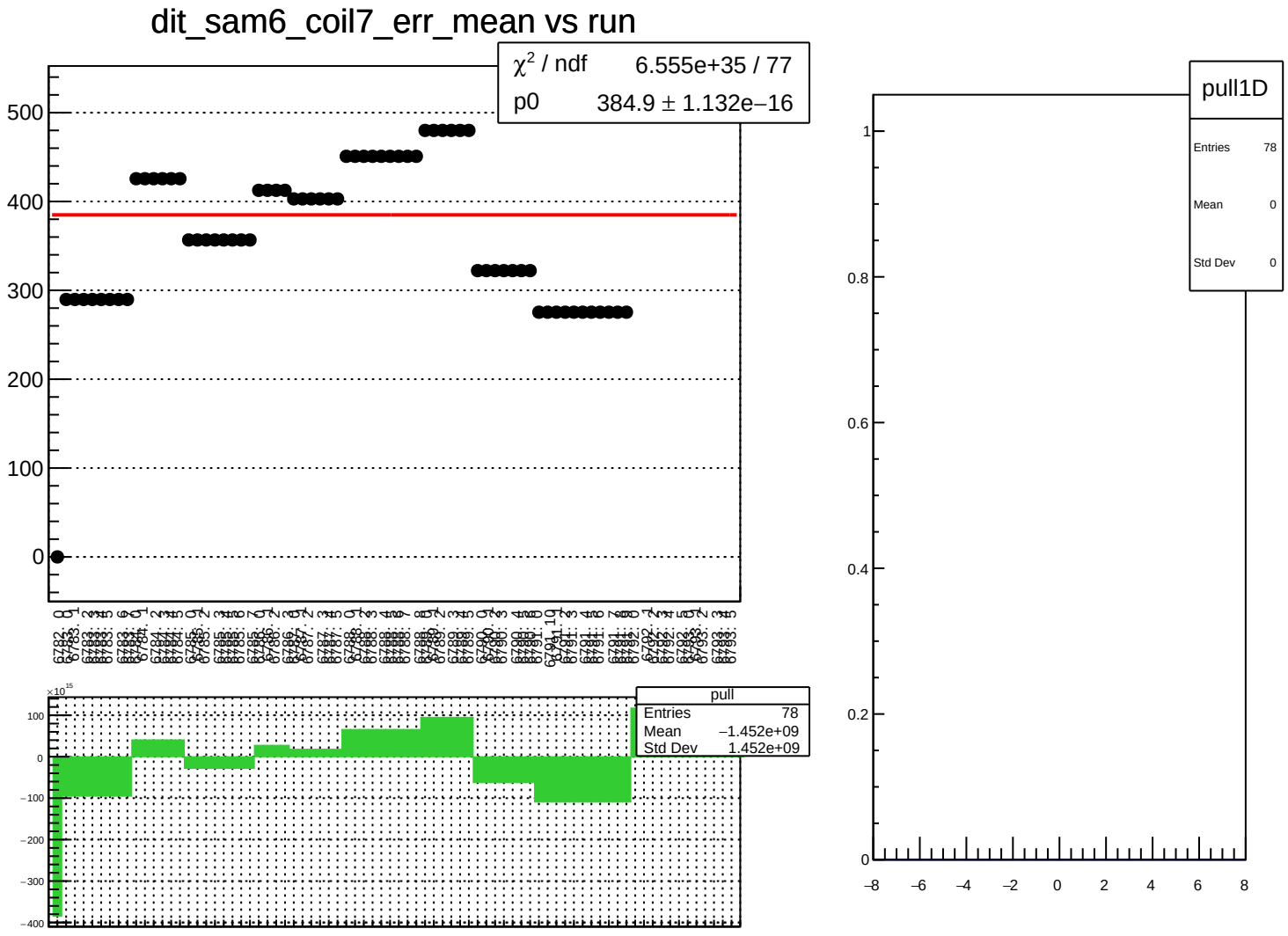

pull1D
Entries 78
Mean 0
Std Dev 0

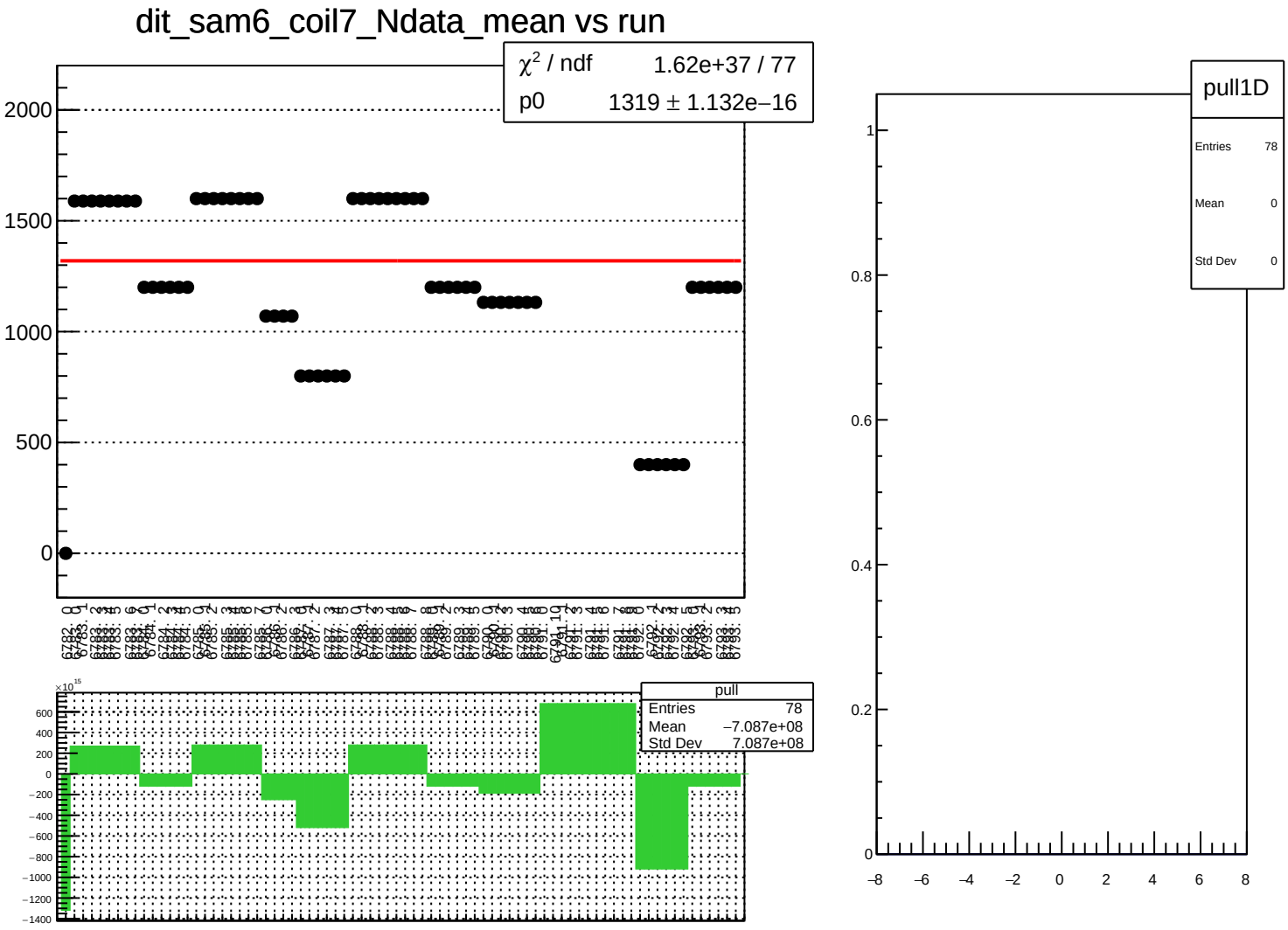

dit_sam5_coil7_err_mean vs run
χ² / ndf 5.161e+35 / 77
p0 303.9 ± 1.132e−16
pull
Entries 78
Mean −1.639e+09
Std Dev 1.639e+09
pull1D
Entries 78
Mean 0
Std Dev 0

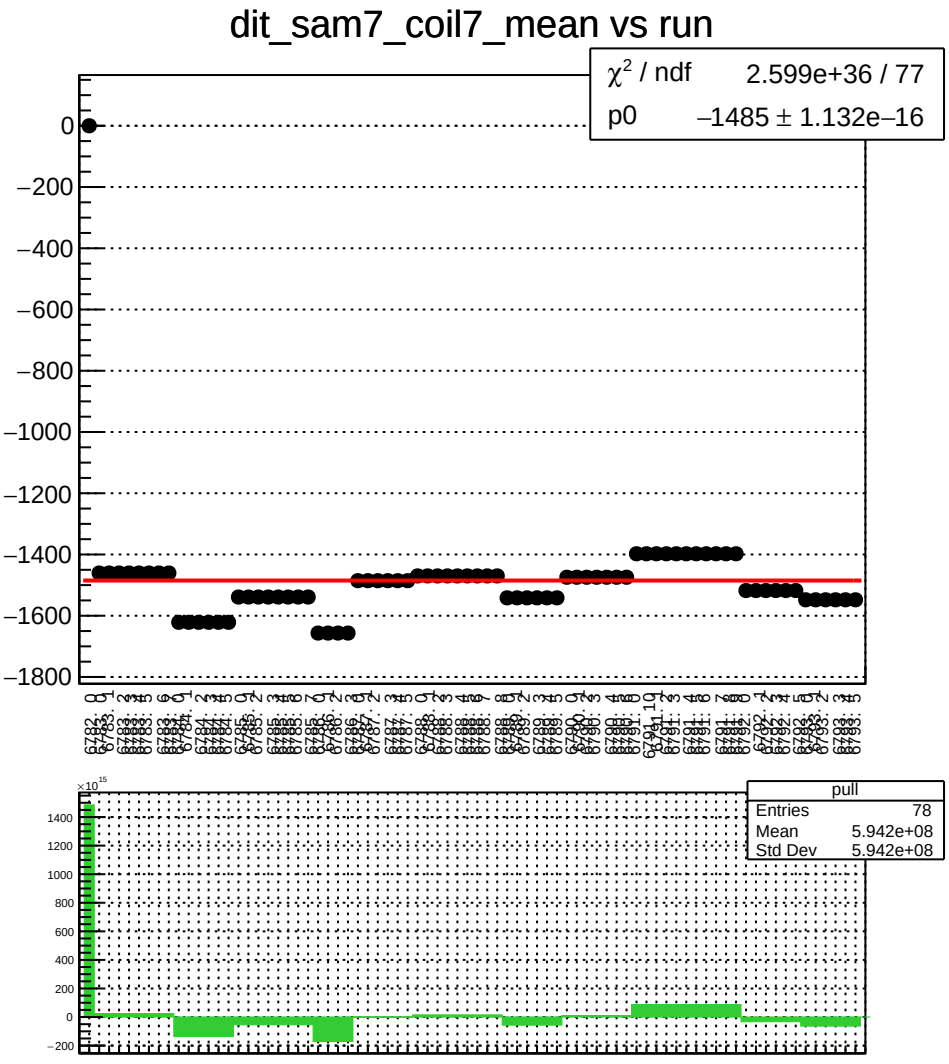

dit_sam5_coil7_Ndata_mean vs run
χ^2 / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

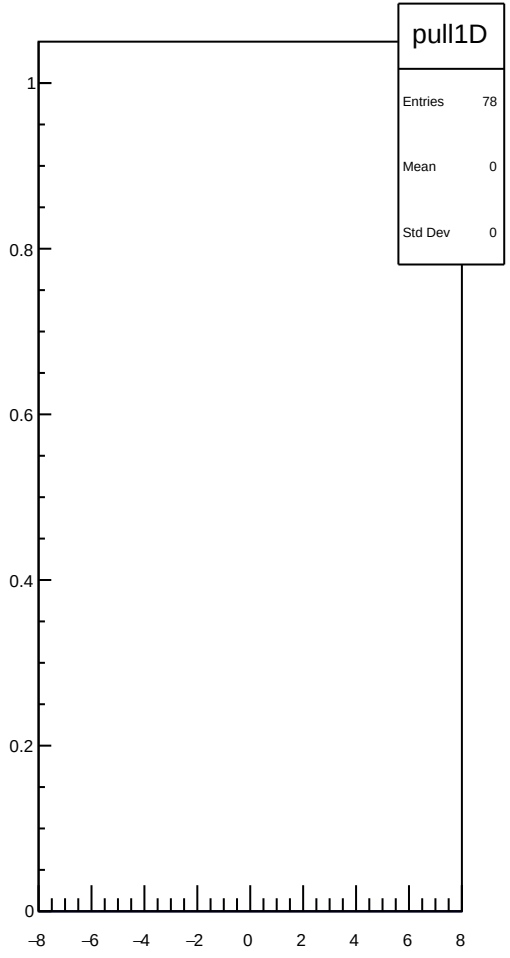

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

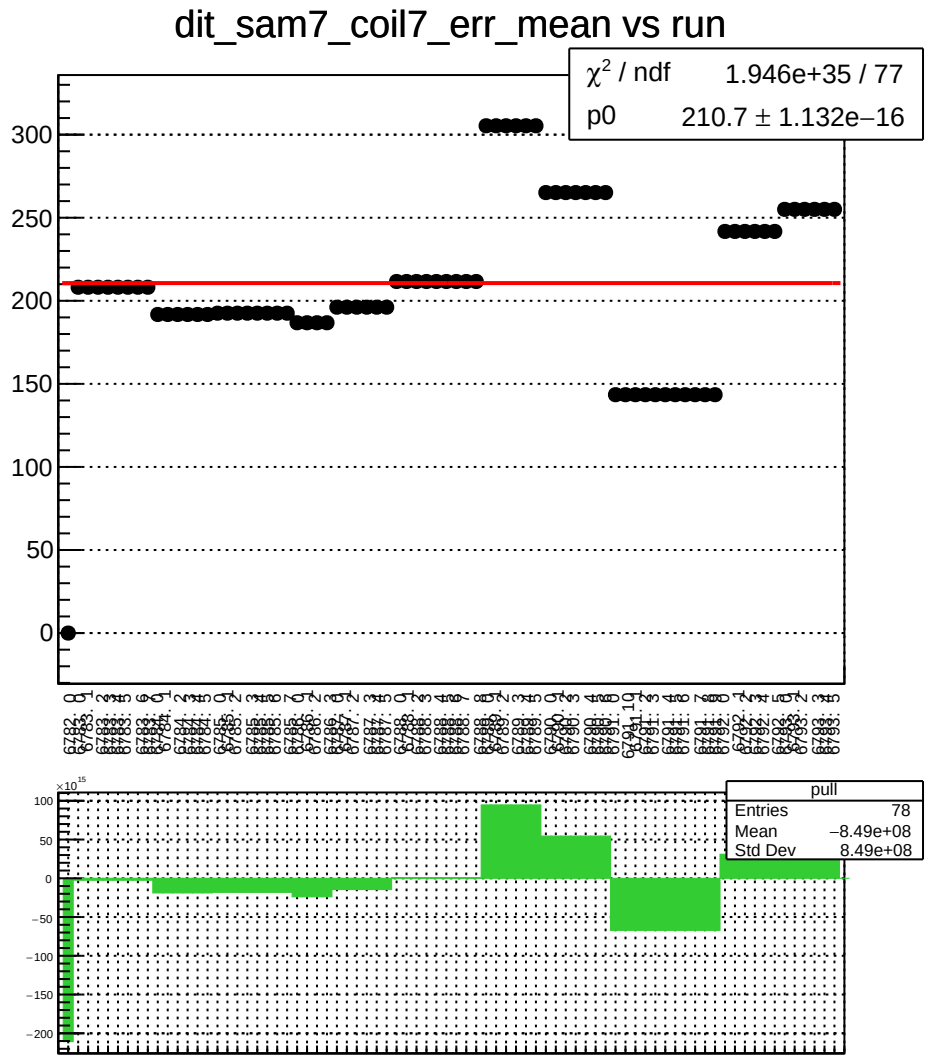

dit_sam6_coil7_mean vs run
χ² / ndf 2.425e+36 / 77
p0 612.3 ± 1.132e−16
pull
Entries 78
Mean −4.623e+08
Std Dev 4.623e+08
pull1D
Entries 78
Mean 0
Std Dev 0

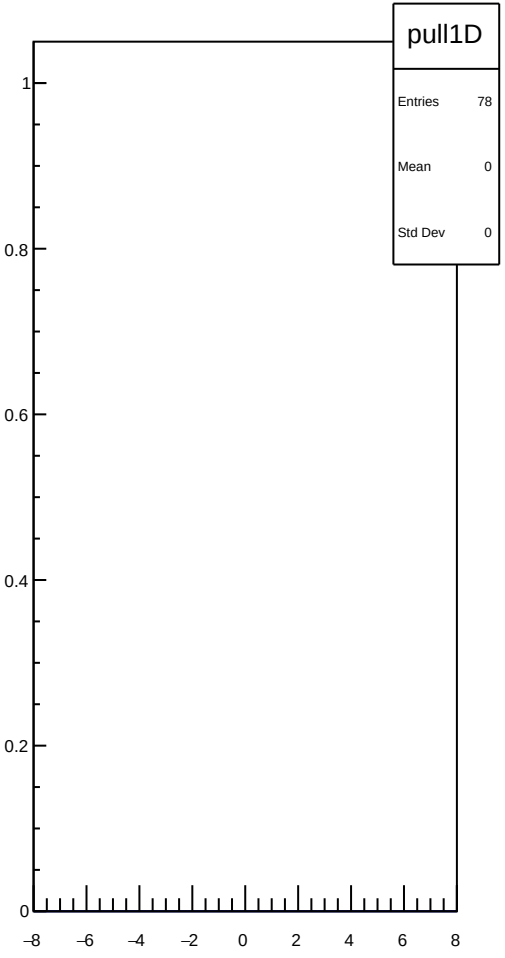

dit_sam6_coil7_err_mean vs run
χ^2 / ndf 6.555e+35 / 77
p0 384.9 ± 1.132e−16
pull
Entries 78
Mean −1.452e+09
Std Dev 1.452e+09
pull1D
Entries 78
Mean 0
Std Dev 0

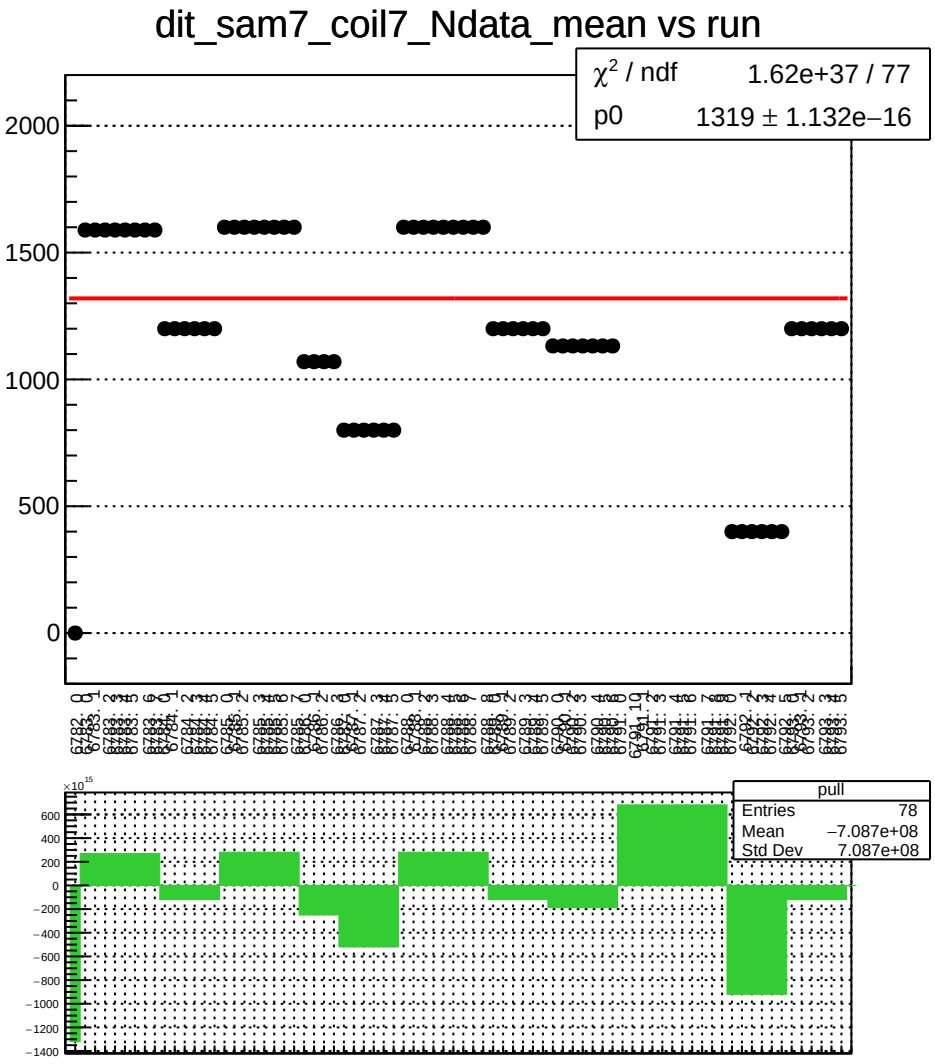

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

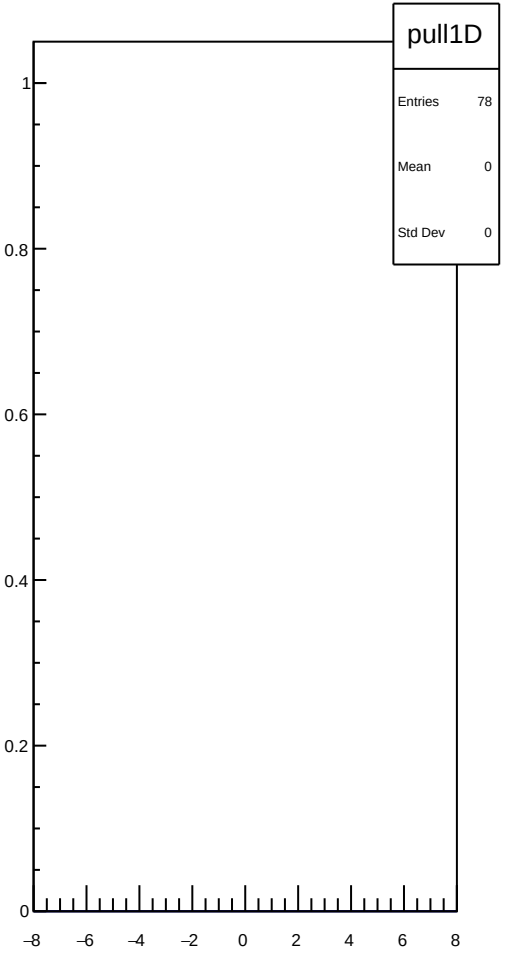

dit_sam7_coil7_mean vs run
χ^2 / ndf 2.599e+36 / 77
p0 –1485 ± 1.132e–16
pull
Entries 78
Mean 5.942e+08
Std Dev 5.942e+08

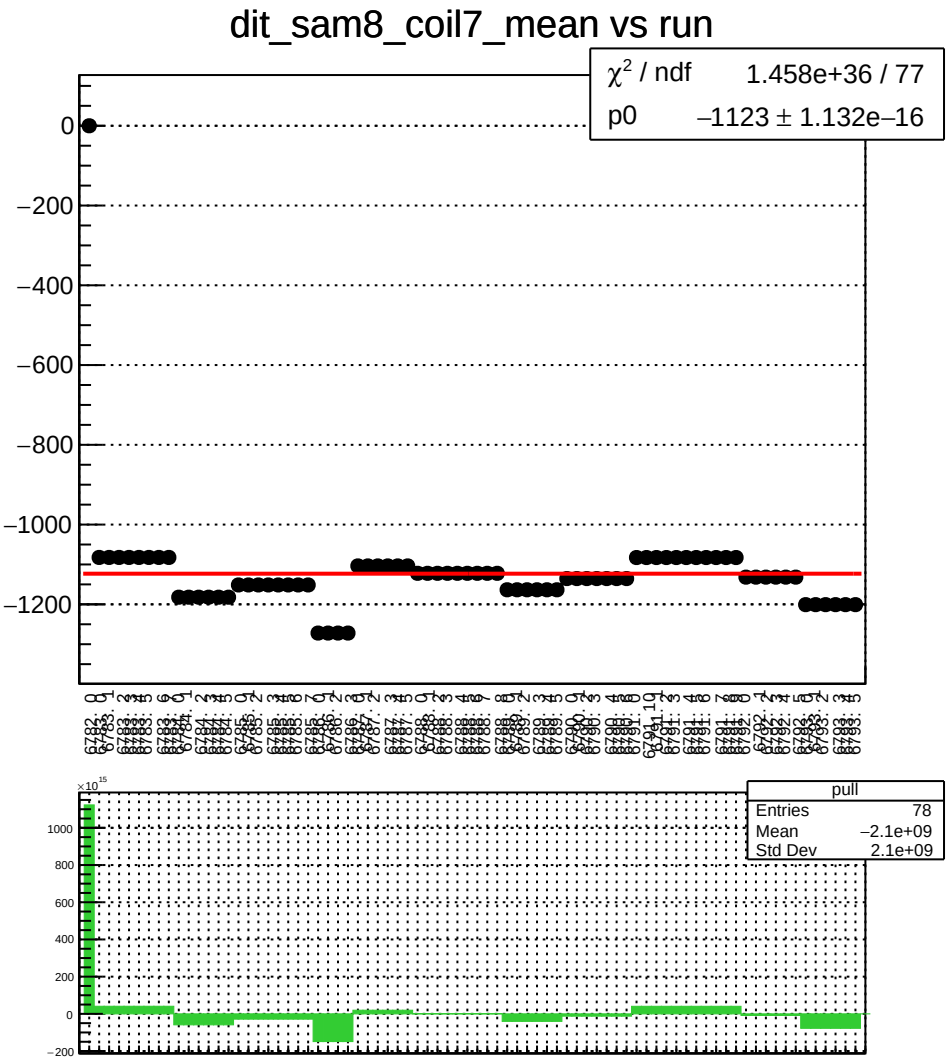

pull1D
Entries 78
Mean 0
Std Dev 0

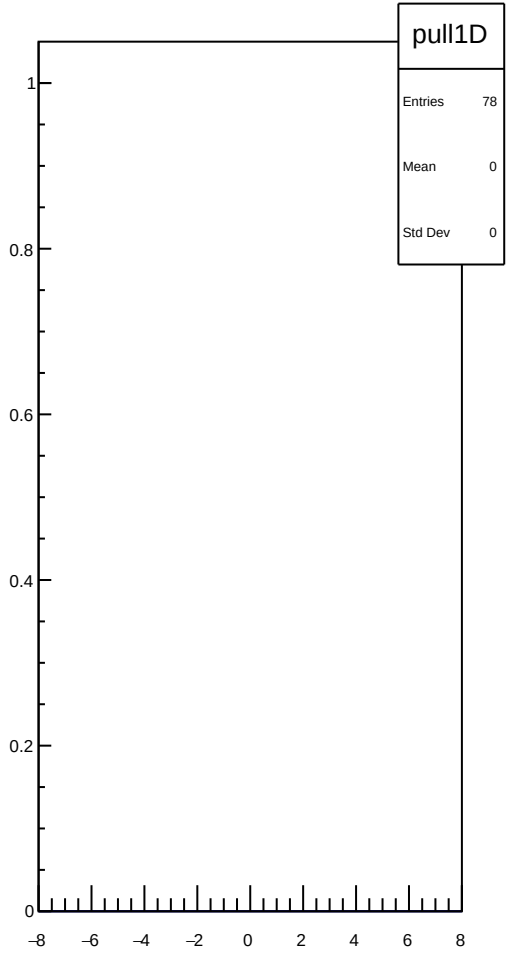

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.946e+35 / 77
p0 210.7 ± 1.132e−16
pull
Entries 78
Mean −8.49e+08
Std Dev 8.49e+08

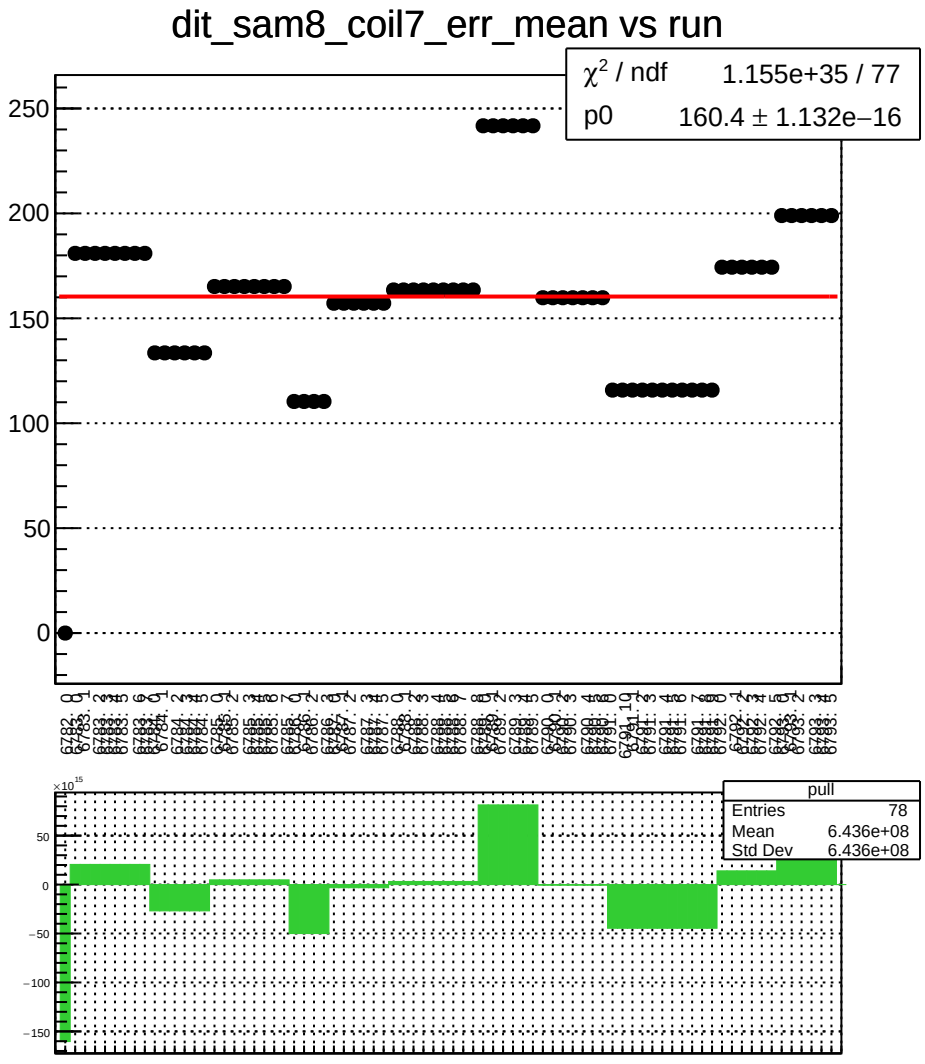

pull1D
Entries 78
Mean 0
Std Dev 0

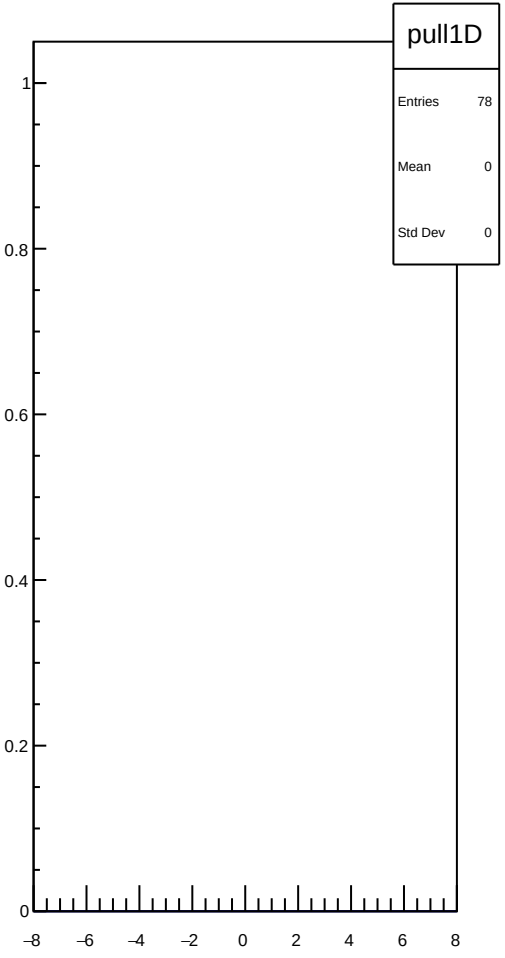

dit_sam7_coil7_Ndata_mean vs run
χ^2 / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

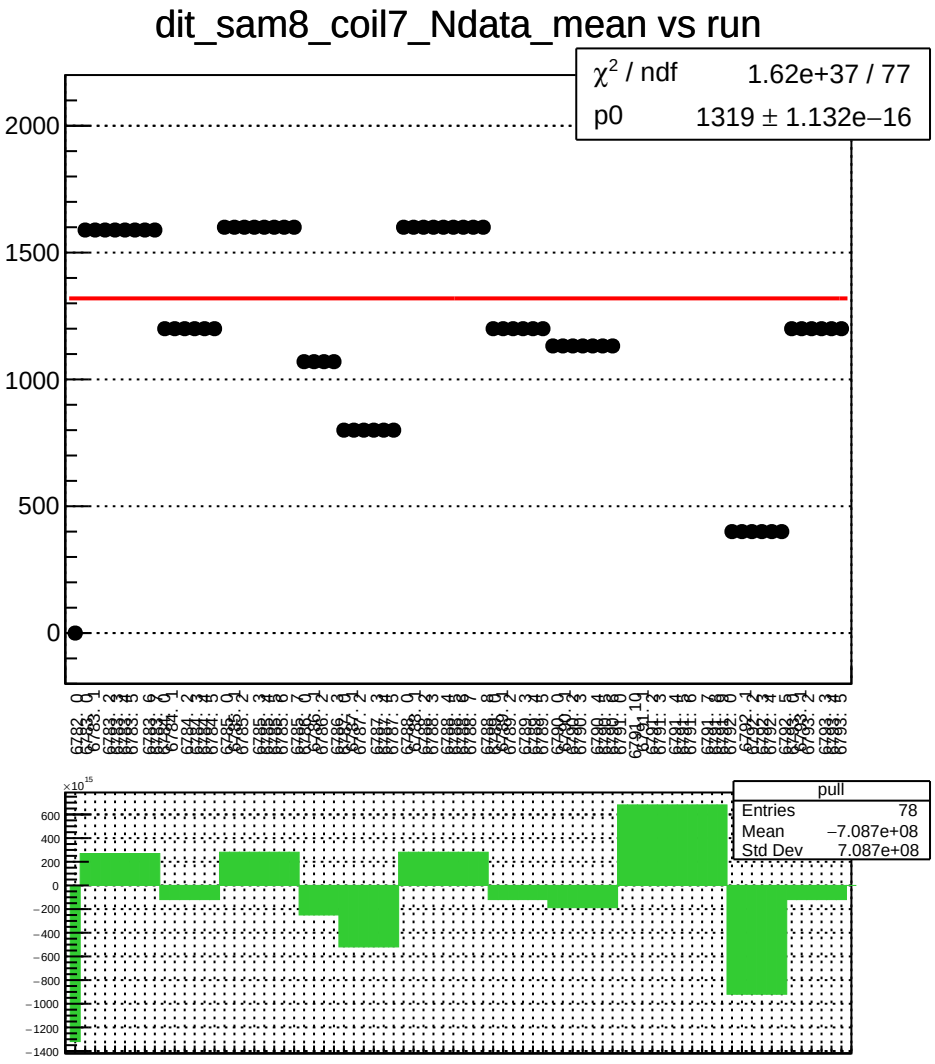

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

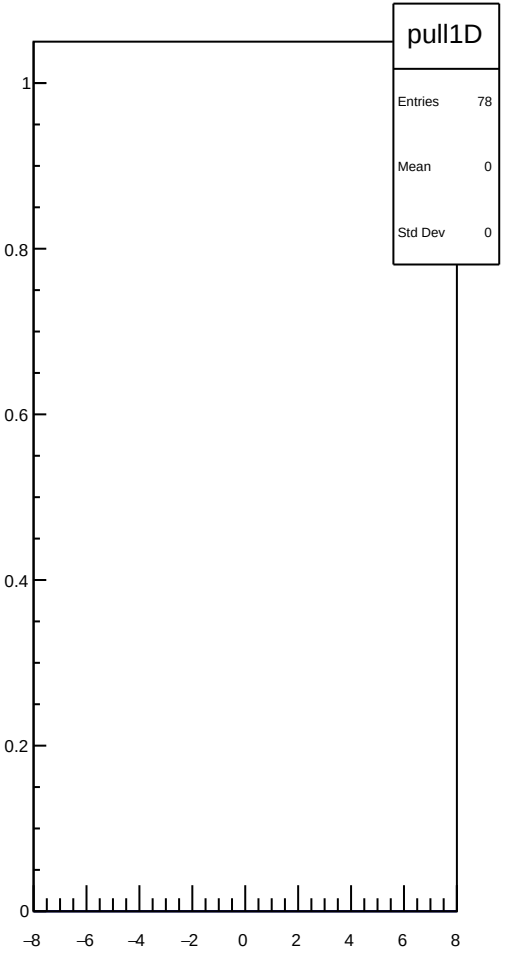

dit_sam8_coil7_mean vs run
χ^2 / ndf 1.458e+36 / 77
p0 −1123 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 78
Mean −2.1e+09
Std Dev 2.1e+09
×10^15
1000
800
600
400
200
0
−200


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

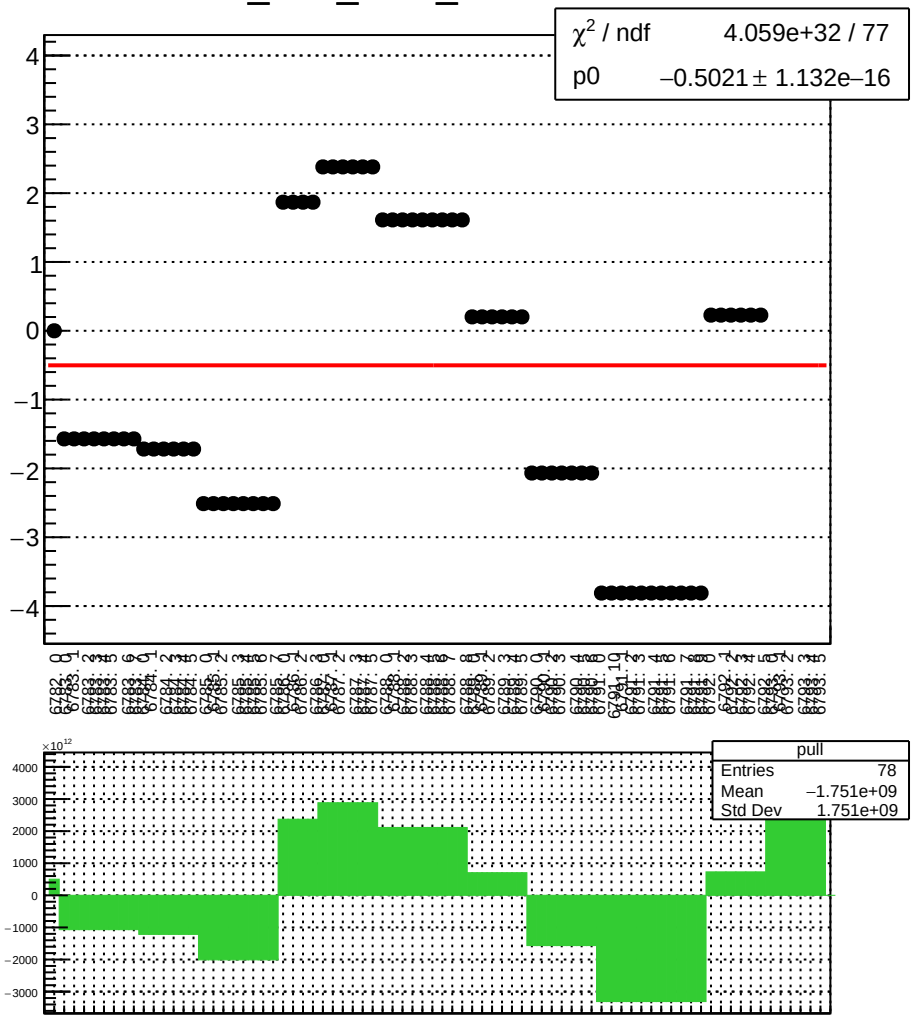

dit_sam8_coil7_err_mean vs run
χ² / ndf 1.155e+35 / 77
p0 160.4 ± 1.132e−16
pull
Entries 78
Mean 6.436e+08
Std Dev 6.436e+08

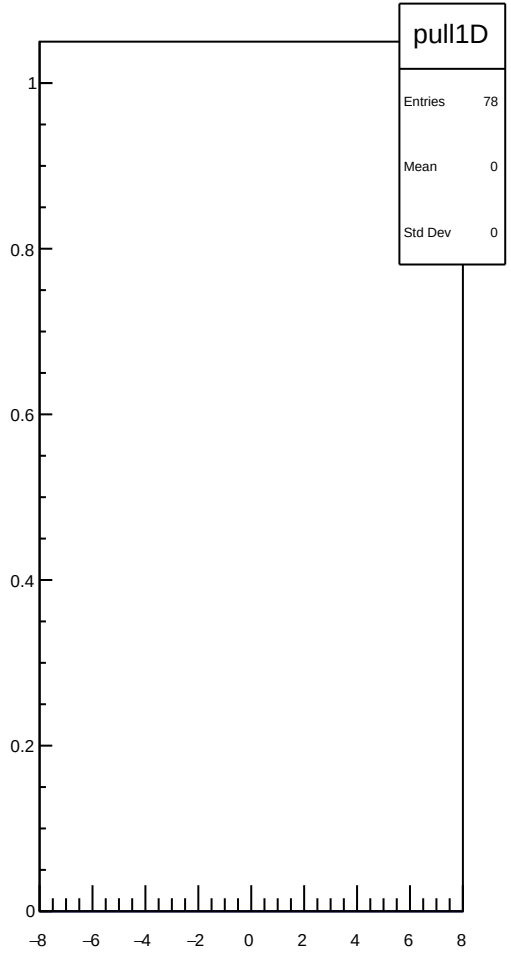

pull1D
Entries 78
Mean 0
Std Dev 0


dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

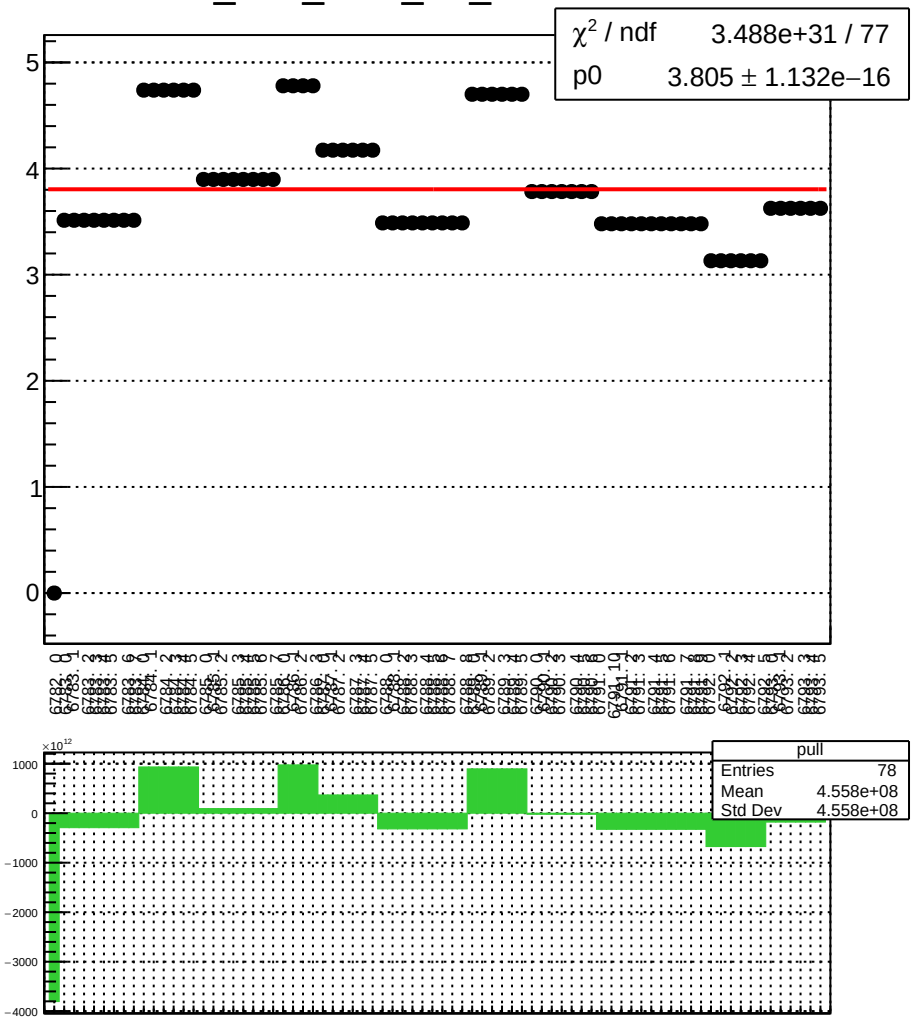

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

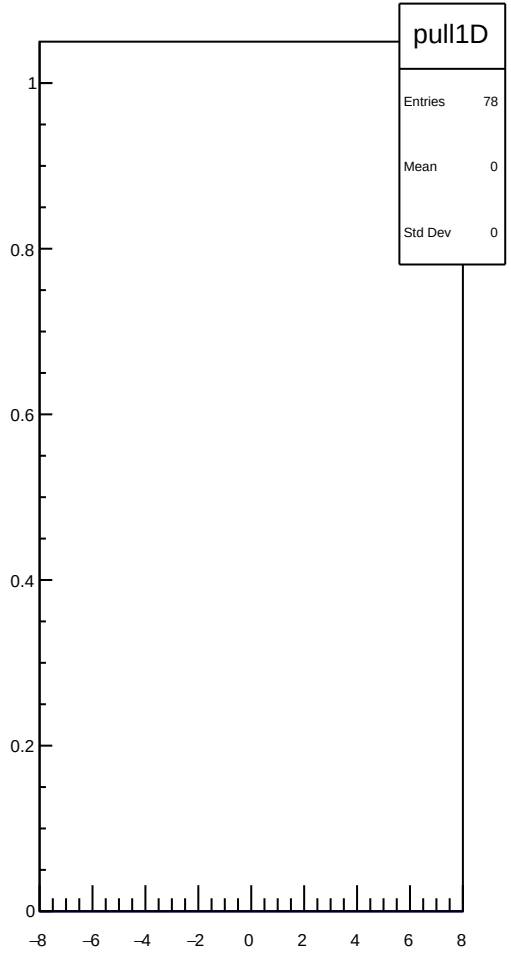
dit_4aX_coil4_mean vs run



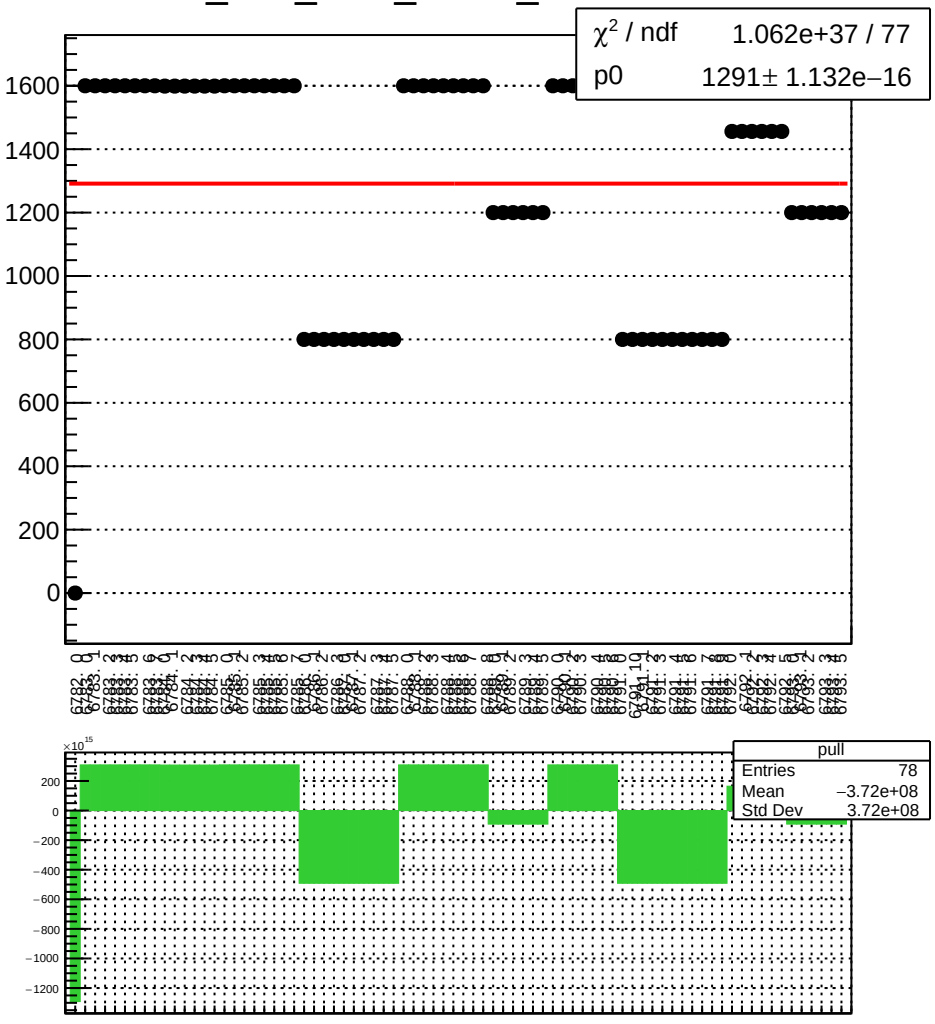


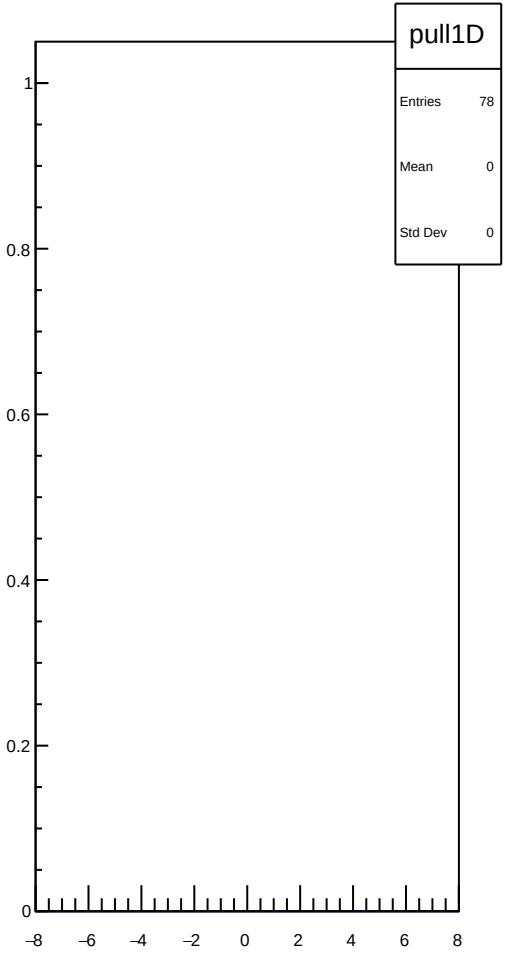
dit_4aX_coil4_err_mean vs run



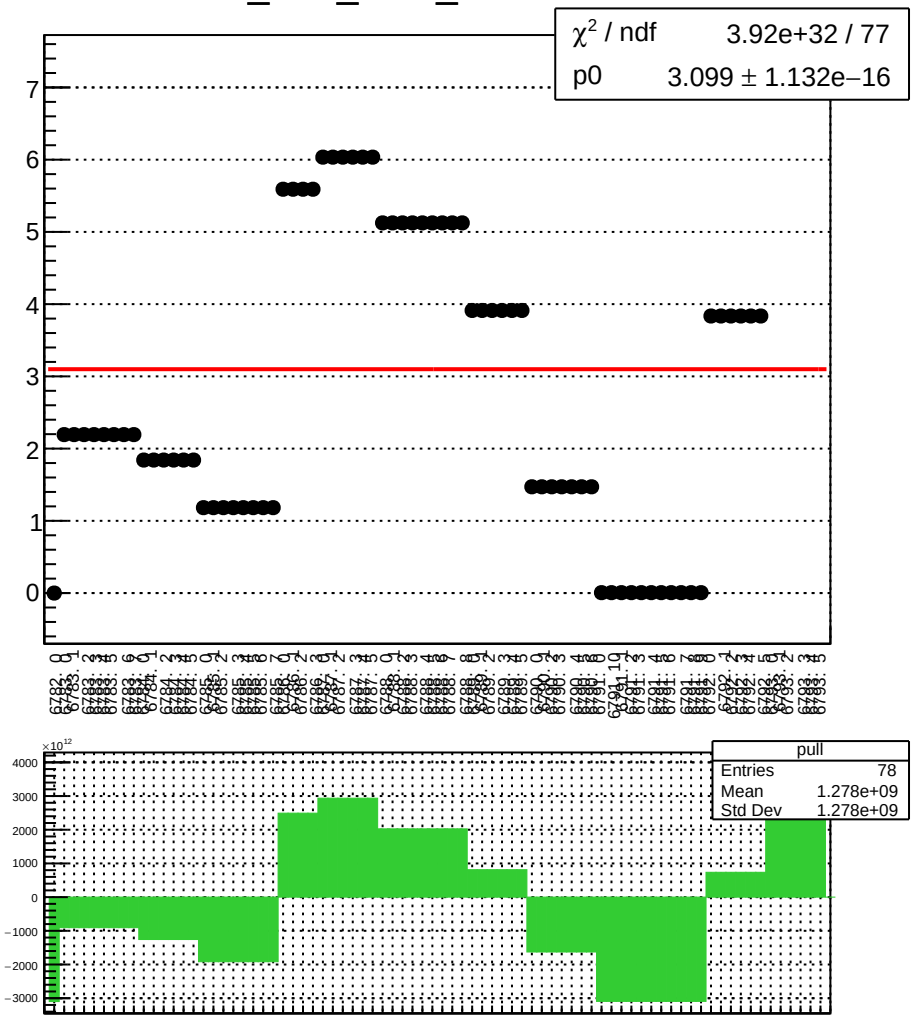


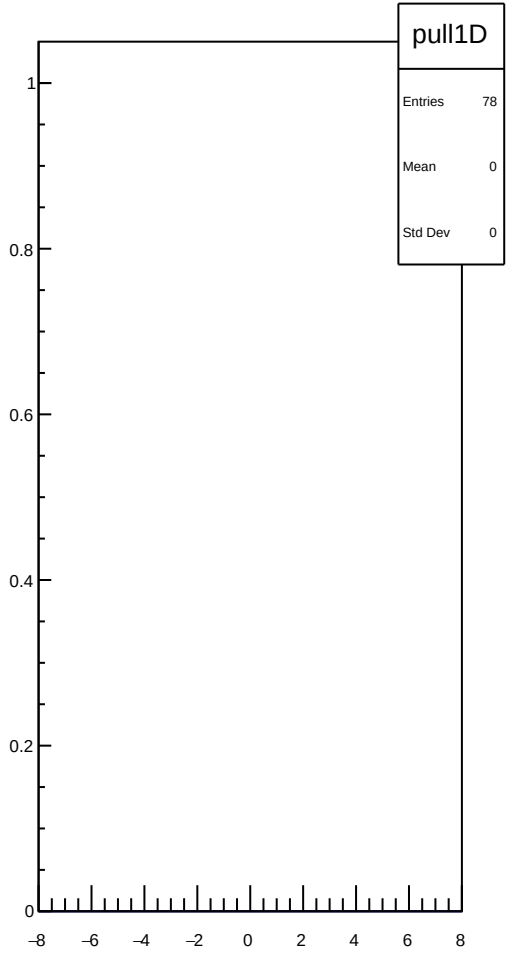
dit_4aX_coil4_Ndata_mean vs run



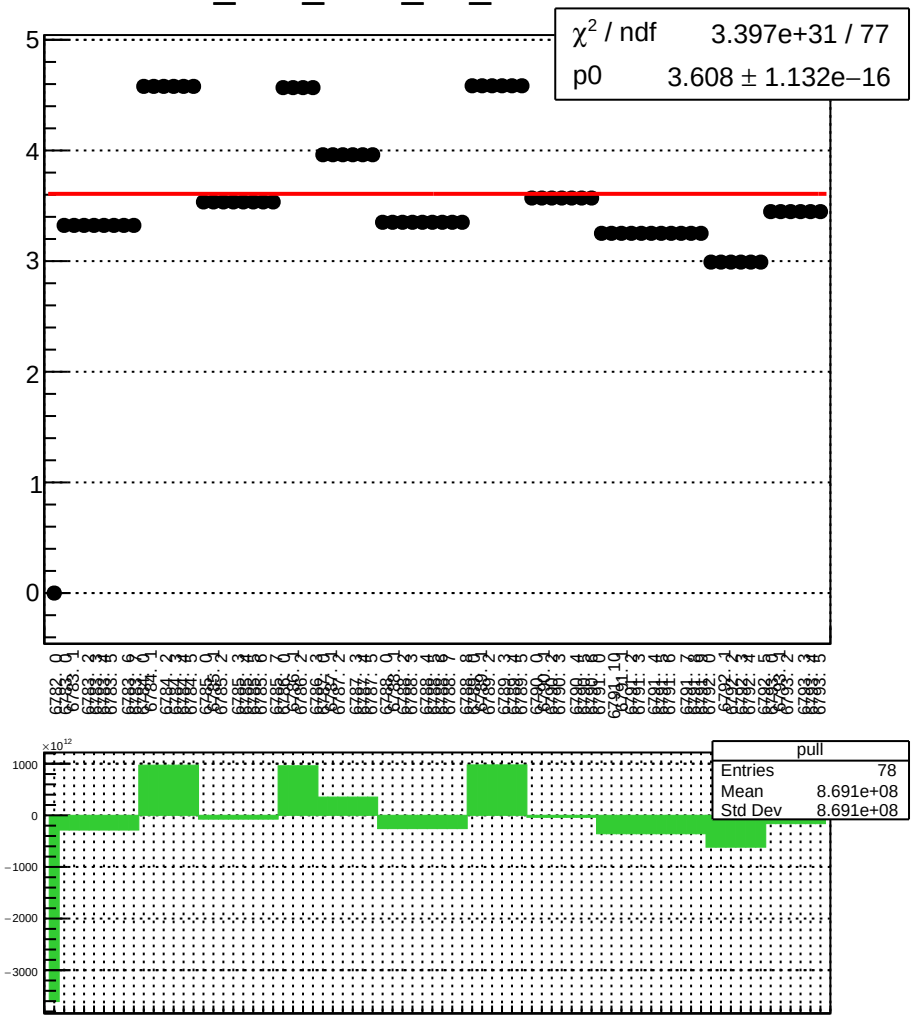


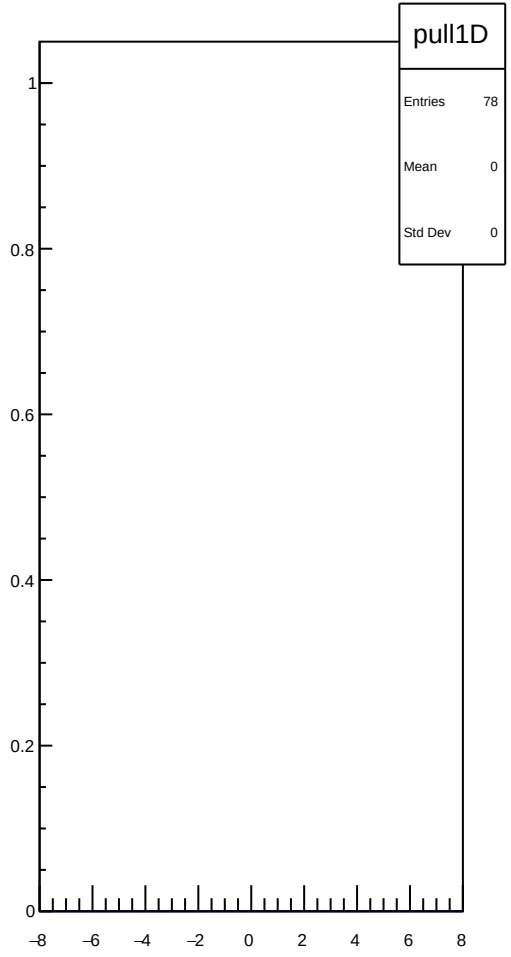
dit_4eX_coil4_mean vs run



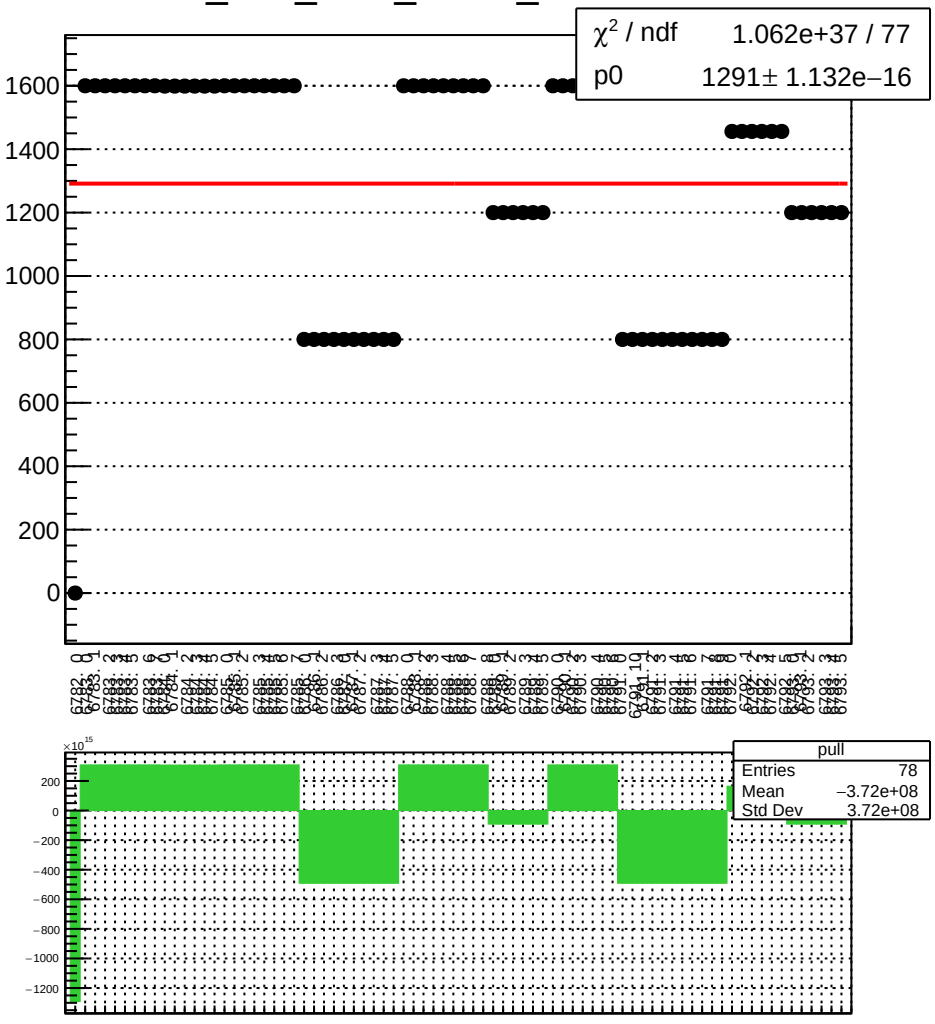


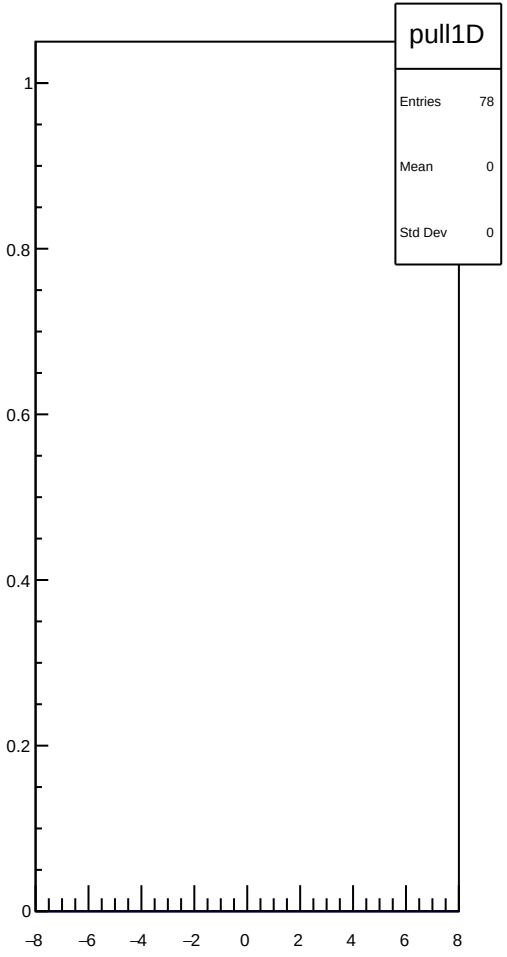
dit_4eX_coil4_err_mean vs run



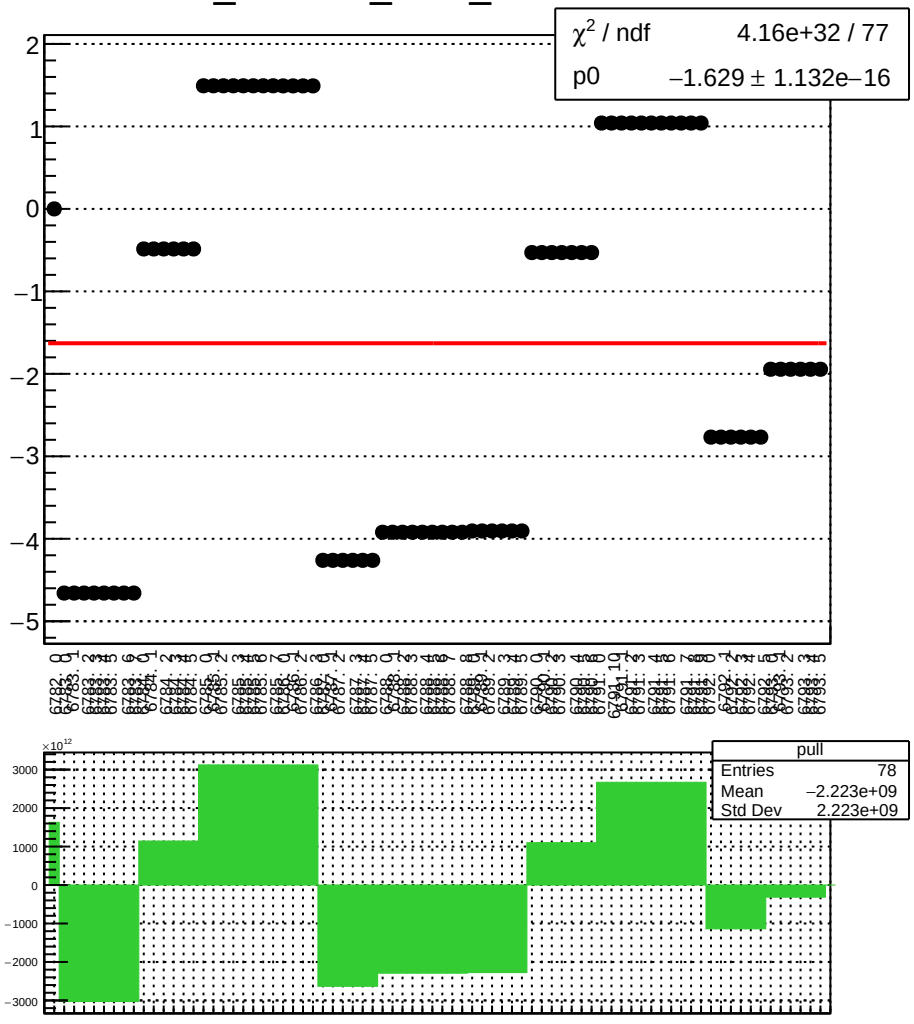


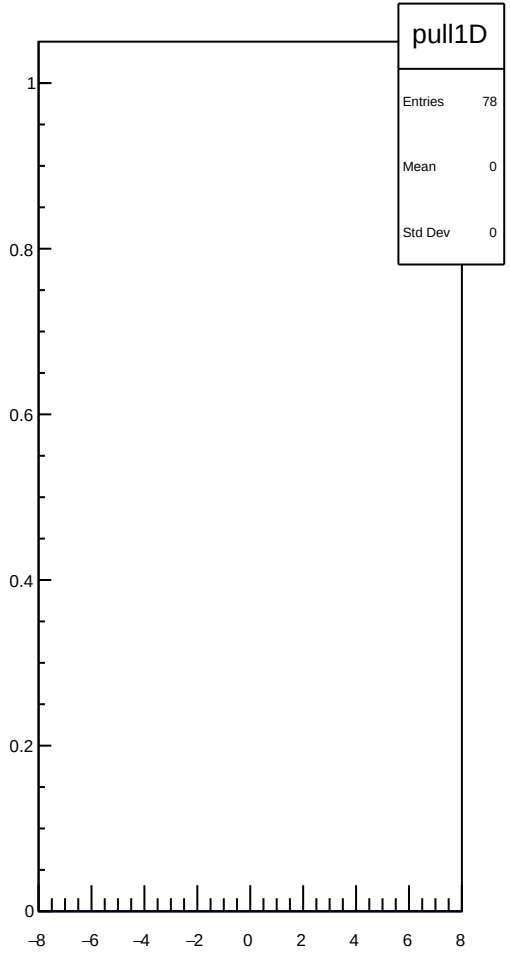
dit_4eX_coil4_Ndata_mean vs run



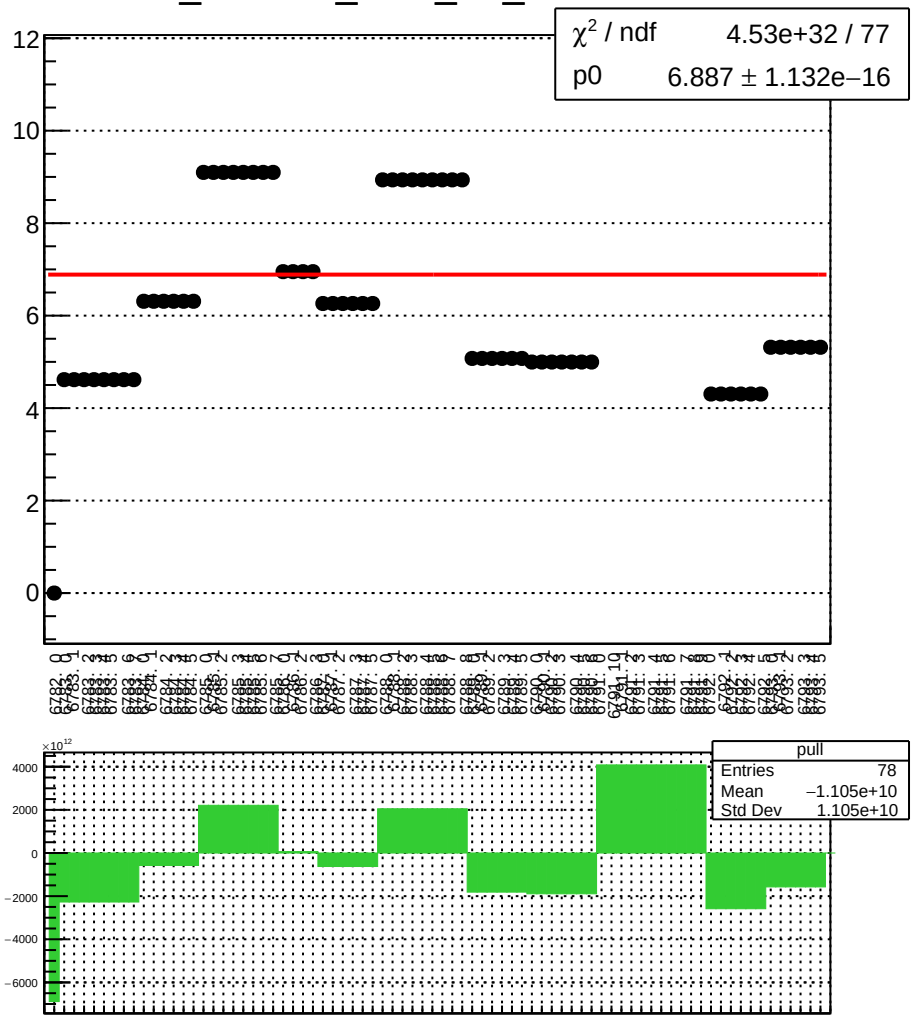


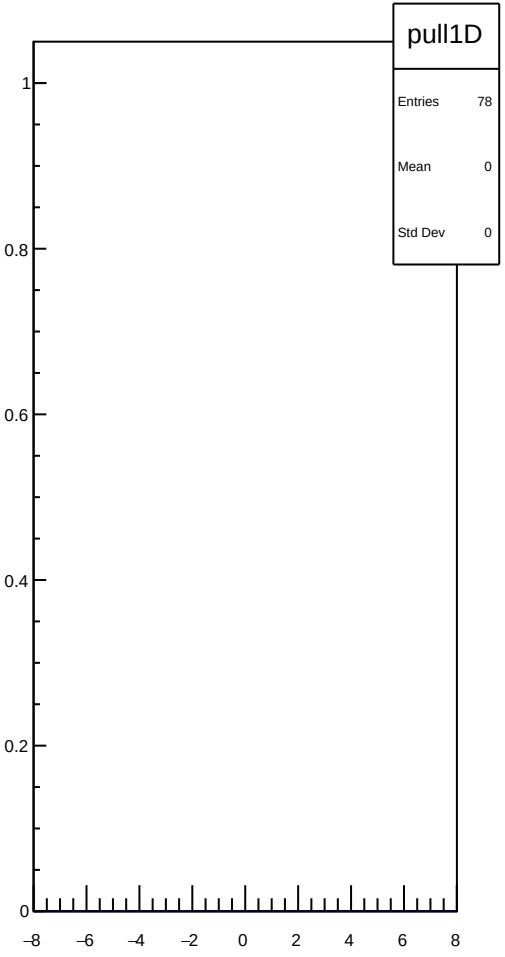
dit_11X12X_coil4_mean vs run



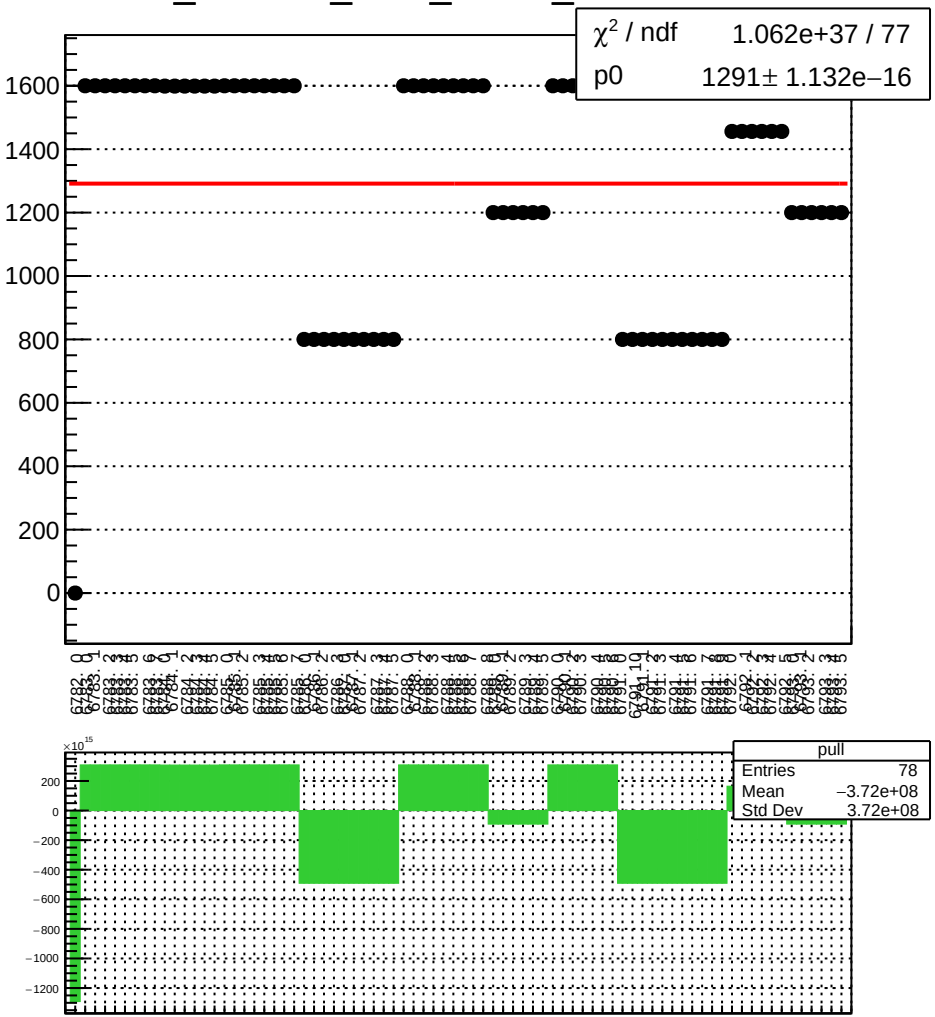


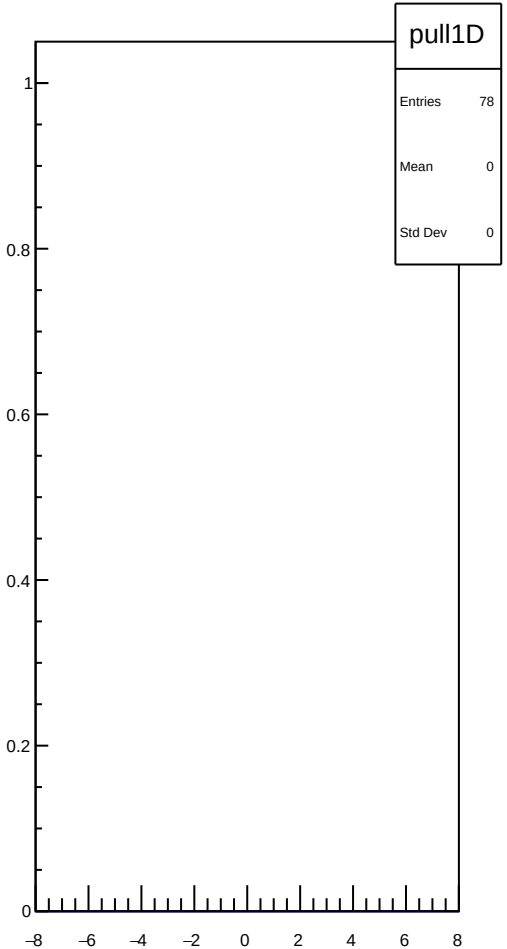
dit_11X12X_coil4_err_mean vs run

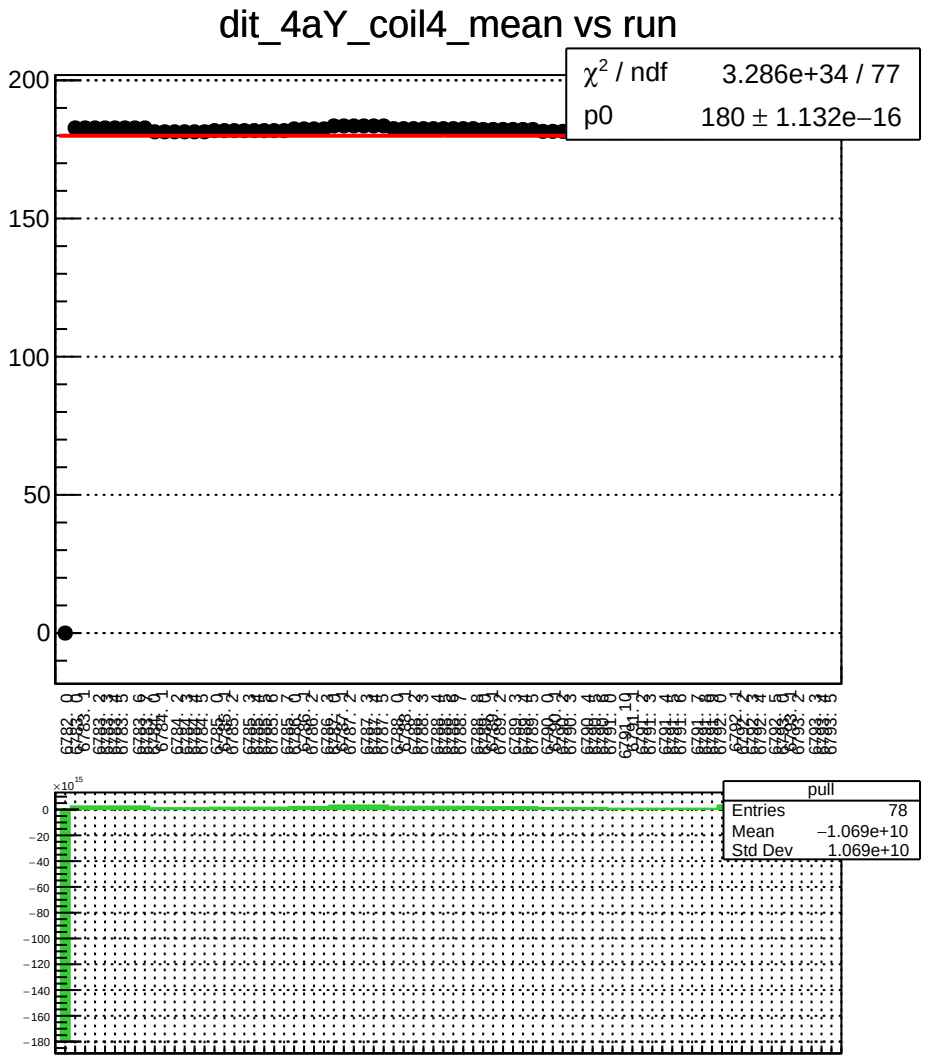


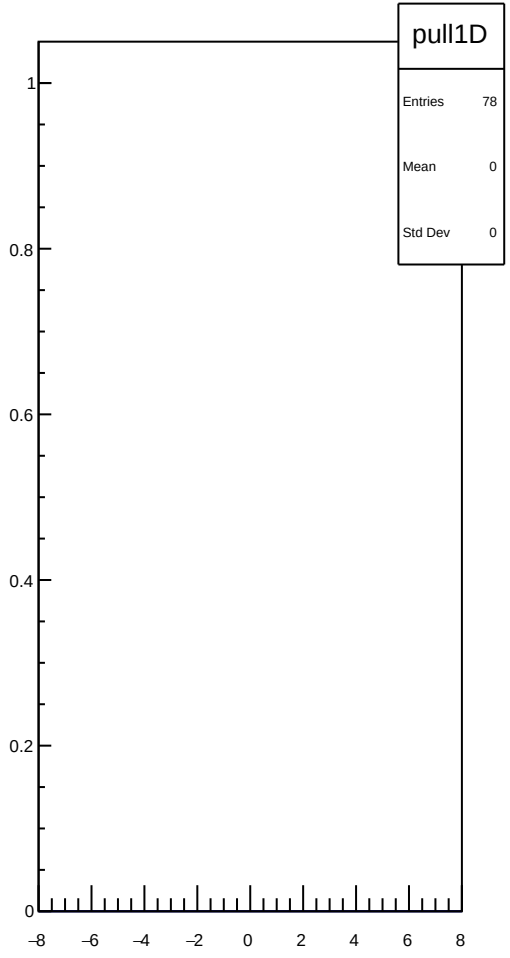


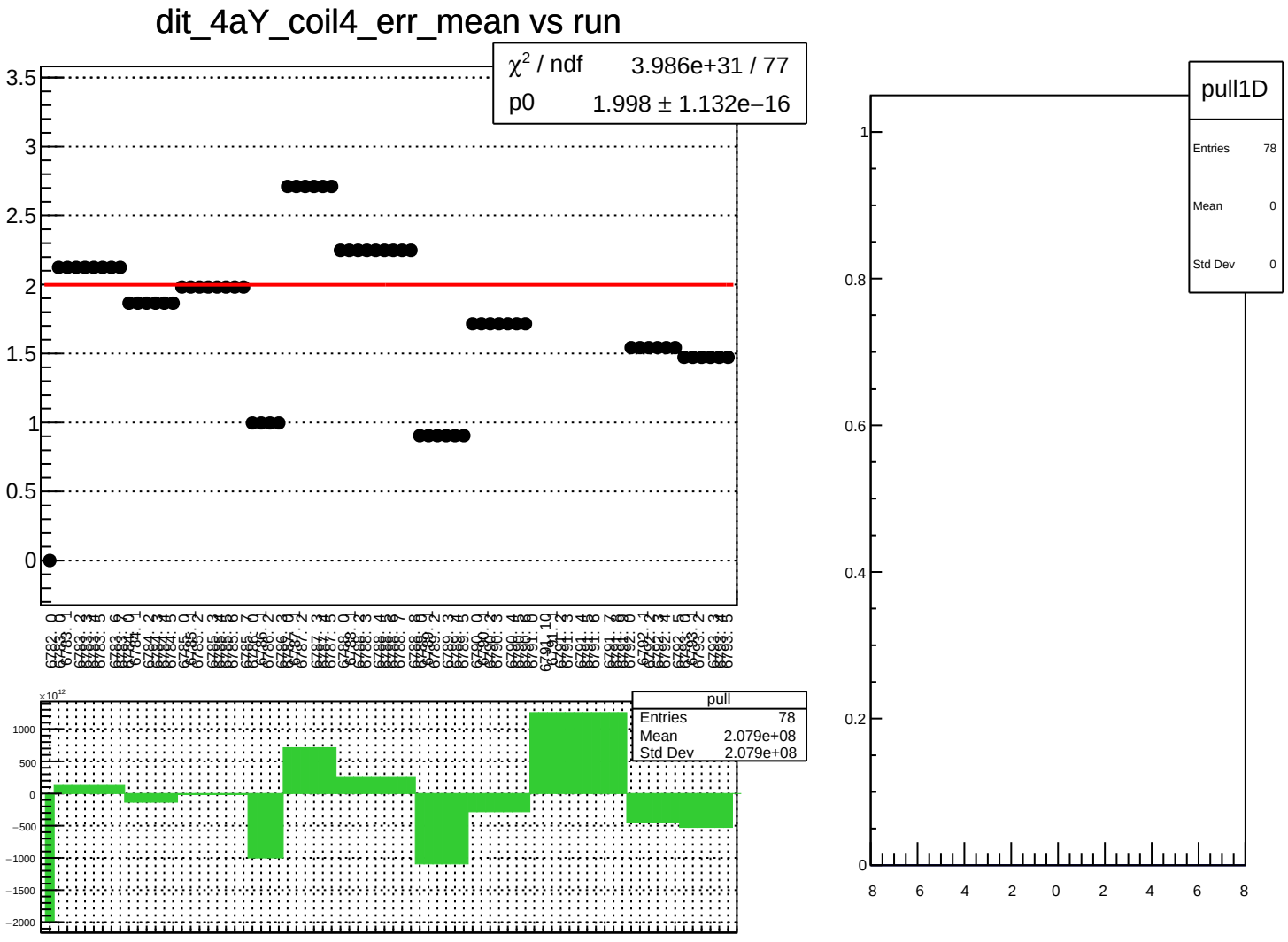
dit_11X12X_coil4_Ndata_mean vs run



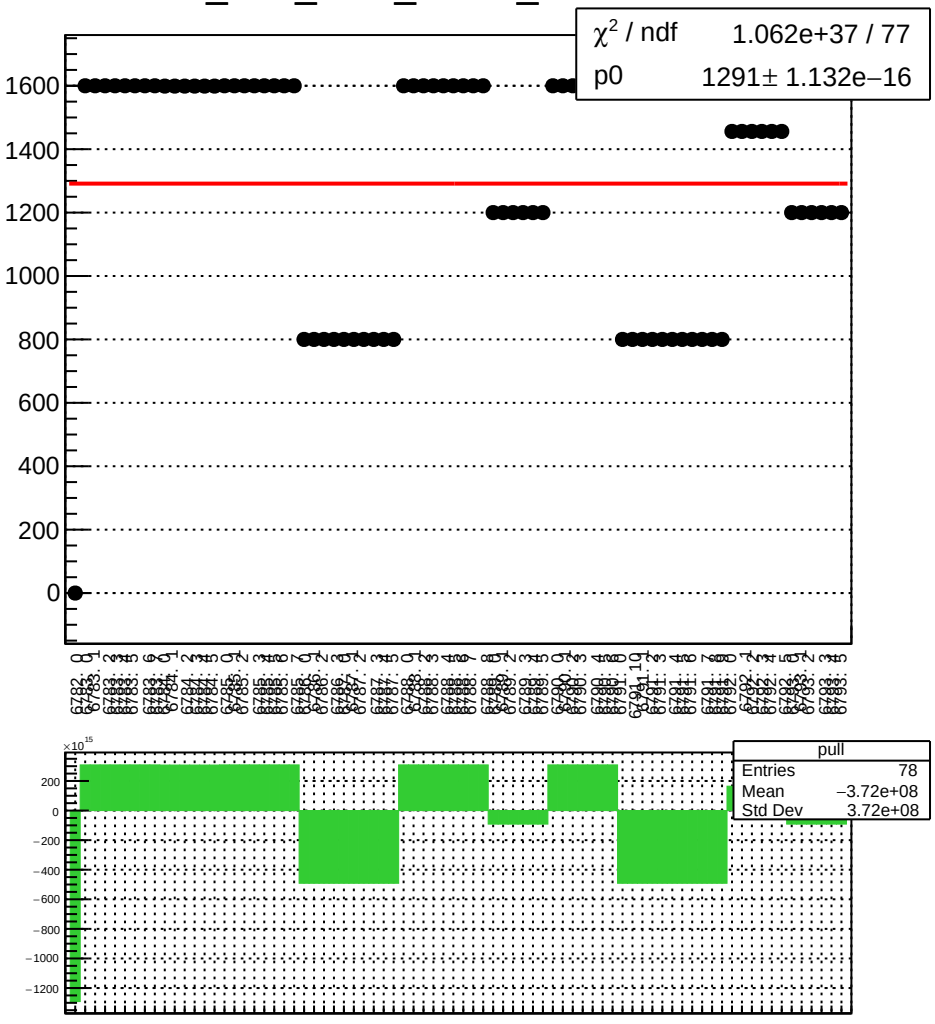


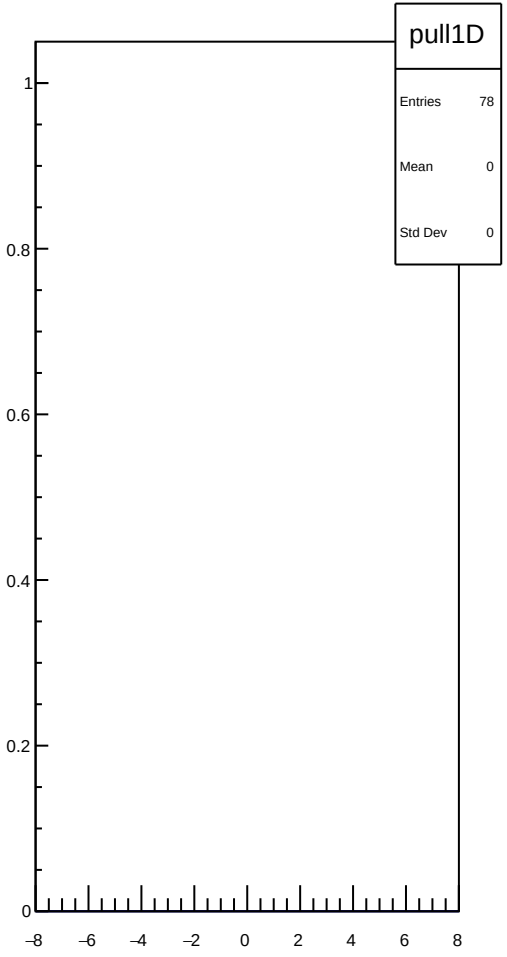

dit_4aY_coil4_mean vs run
χ^2 / ndf 3.286e+34 / 77
p0 180 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean −1.069e+10
Std Dev 1.069e+10
×10^15
0
−20
−40
−60
−80
−100
−120
−140
−160
−180


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

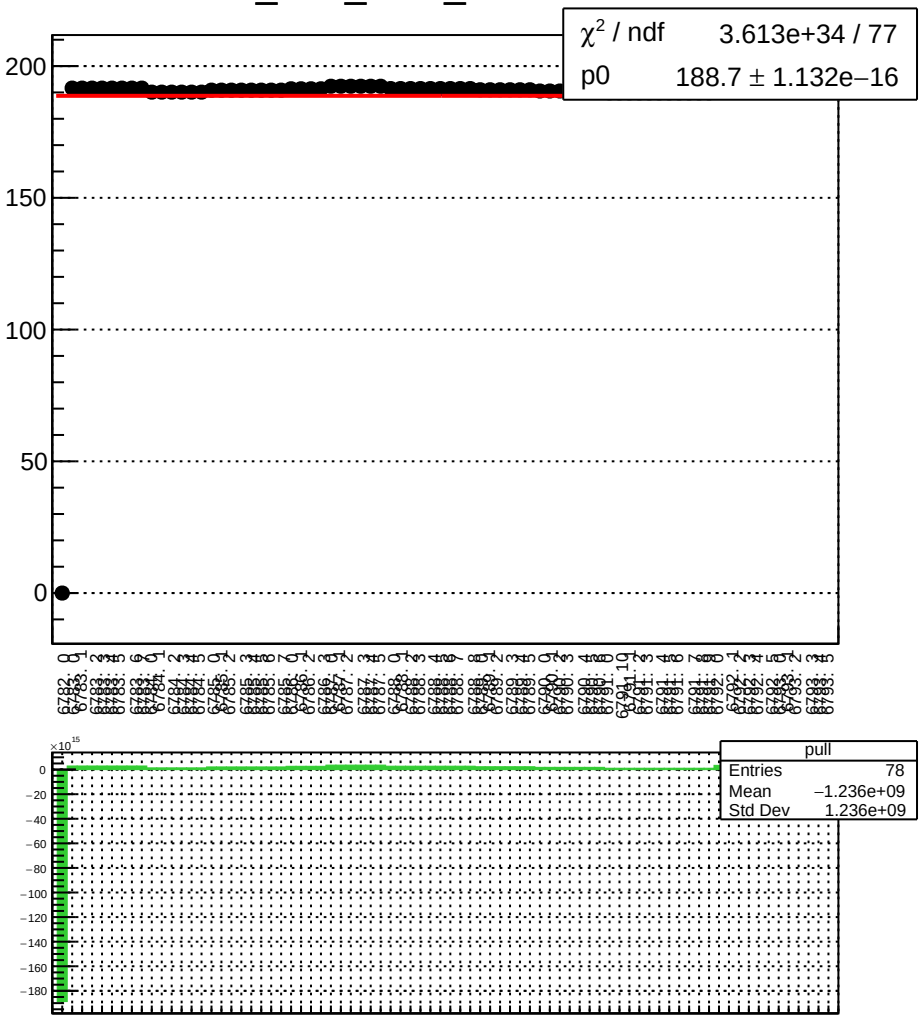

dit_4aY_coil4_err_mean vs run
χ² / ndf 3.986e+31 / 77
p0 1.998 ± 1.132e−16
pull
Entries 78
Mean −2.079e+08
Std Dev 2.079e+08
pull1D
Entries 78
Mean 0
Std Dev 0

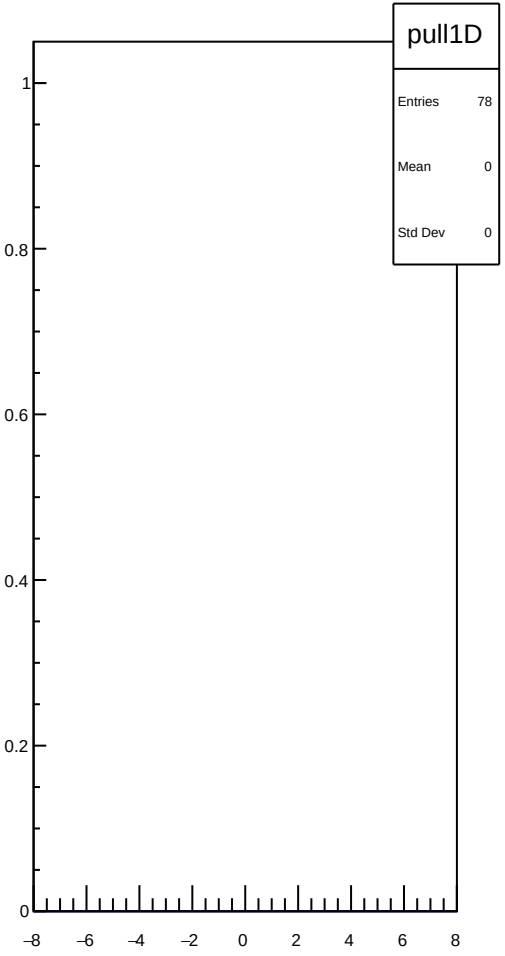
dit_4aY_coil4_Ndata_mean vs run



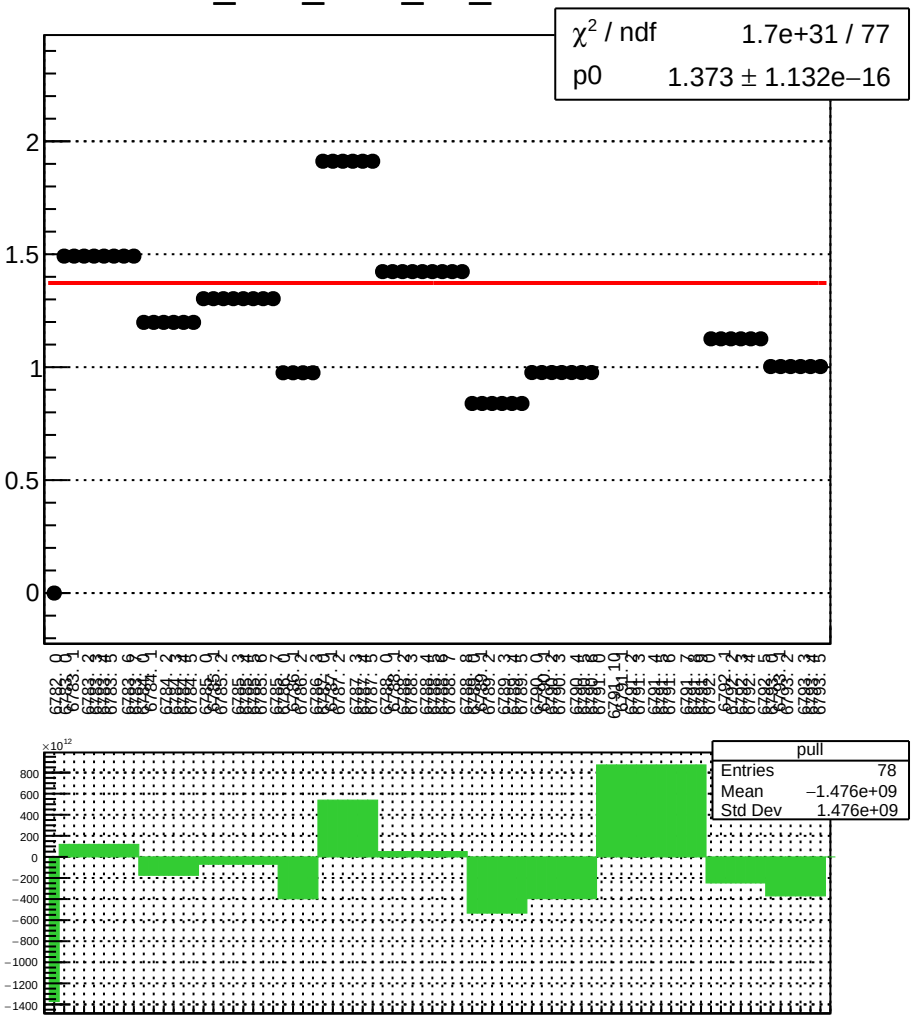


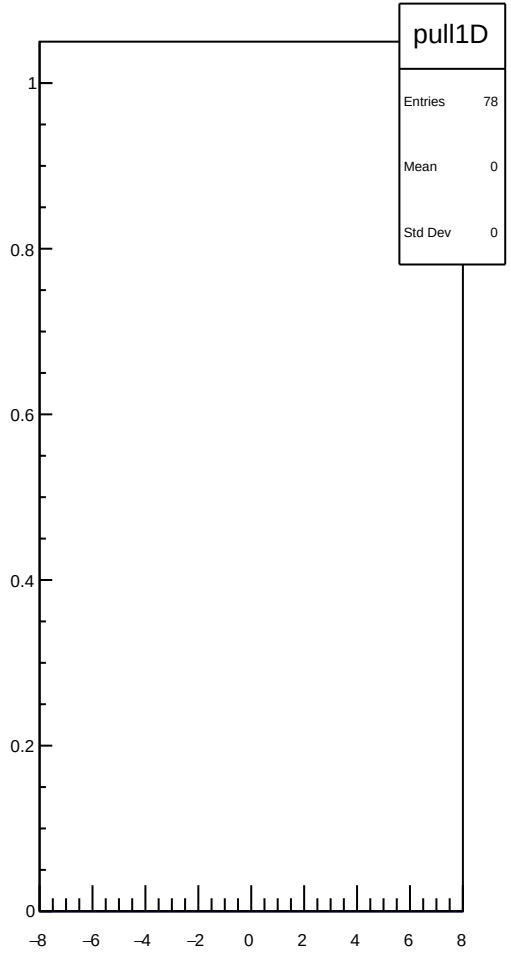
dit_4eY_coil4_mean vs run



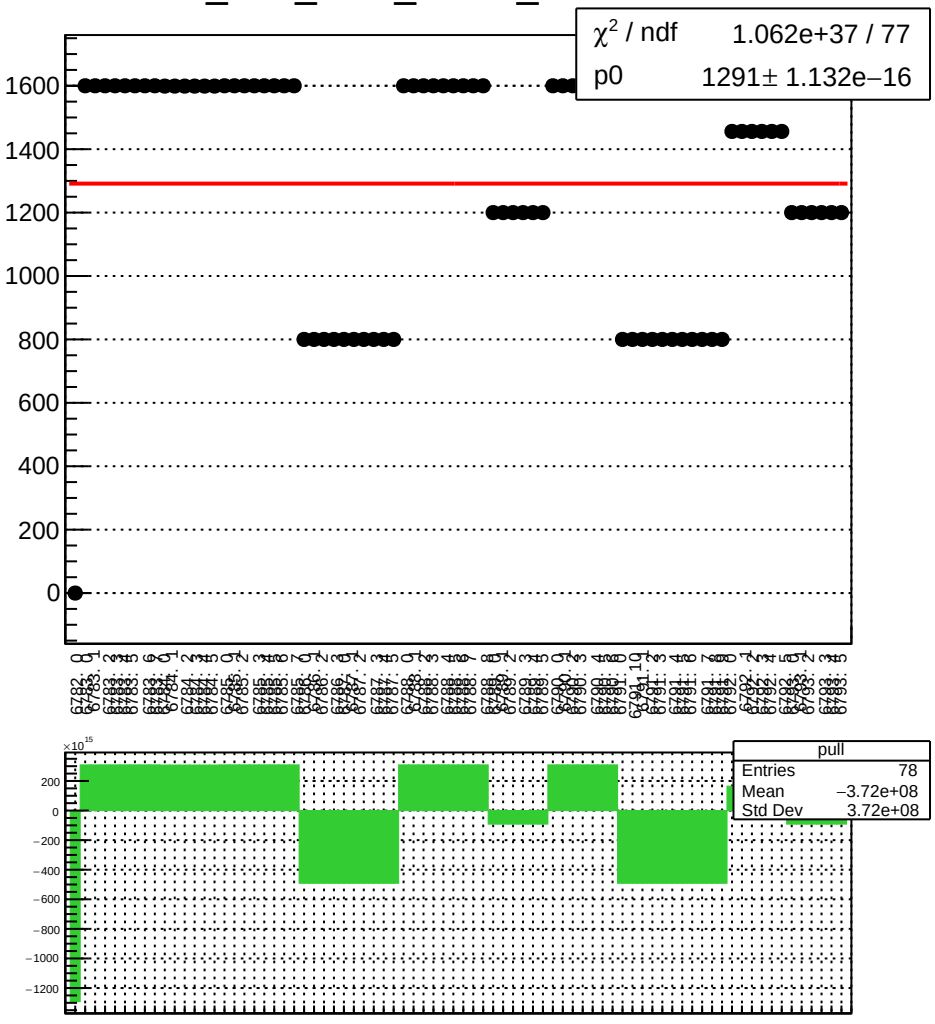


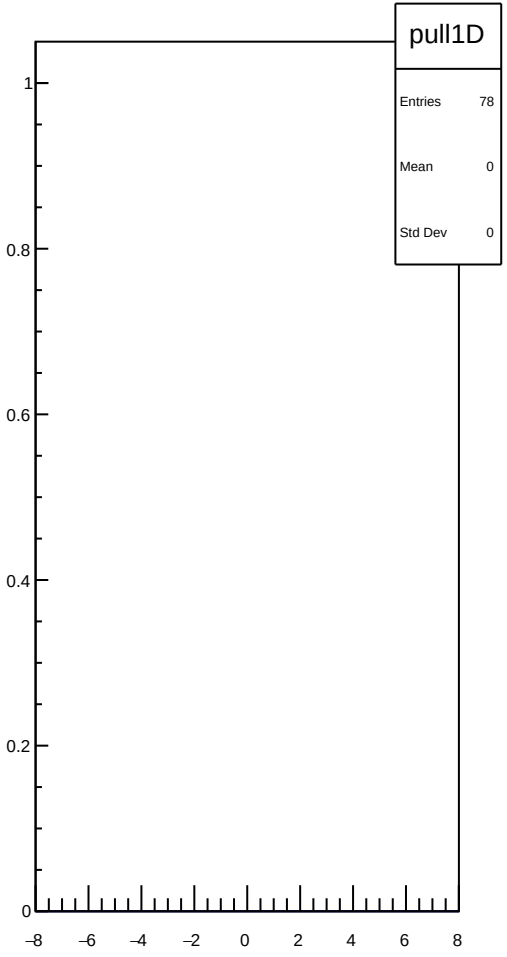
dit_4eY_coil4_err_mean vs run

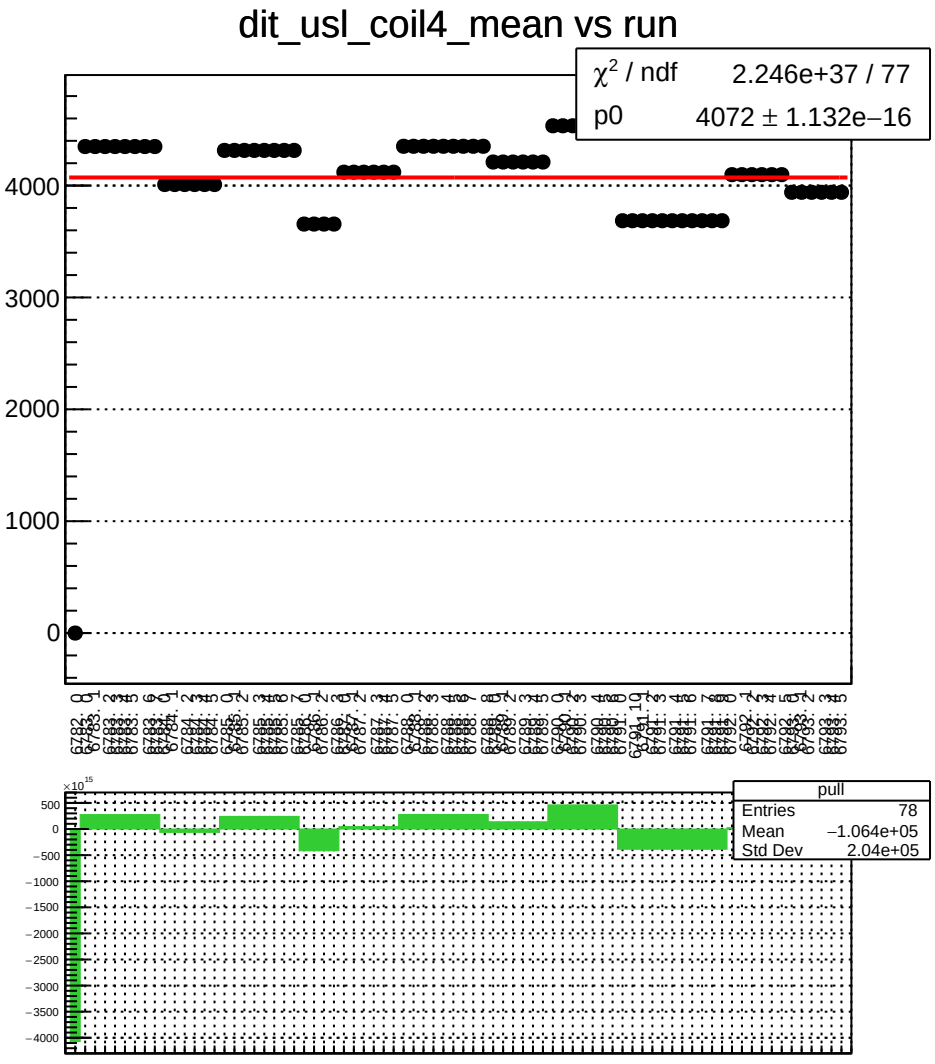


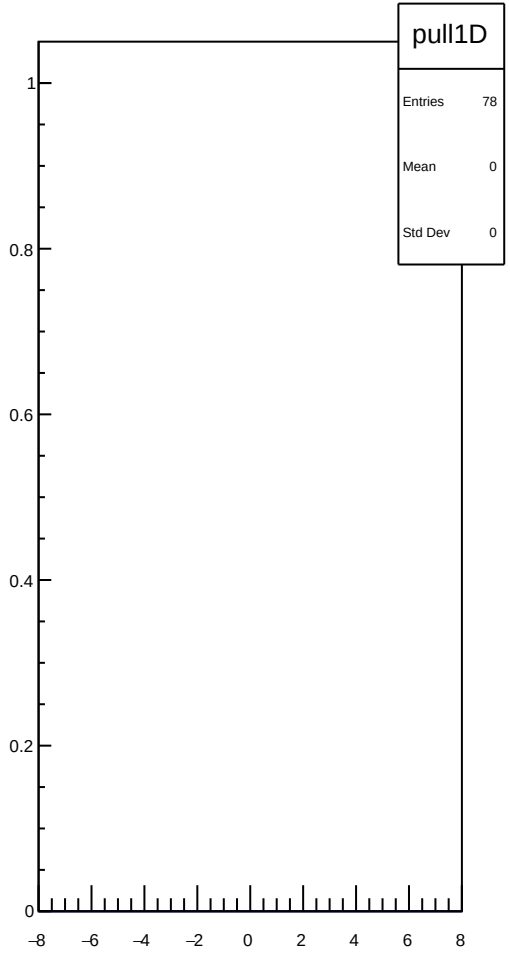


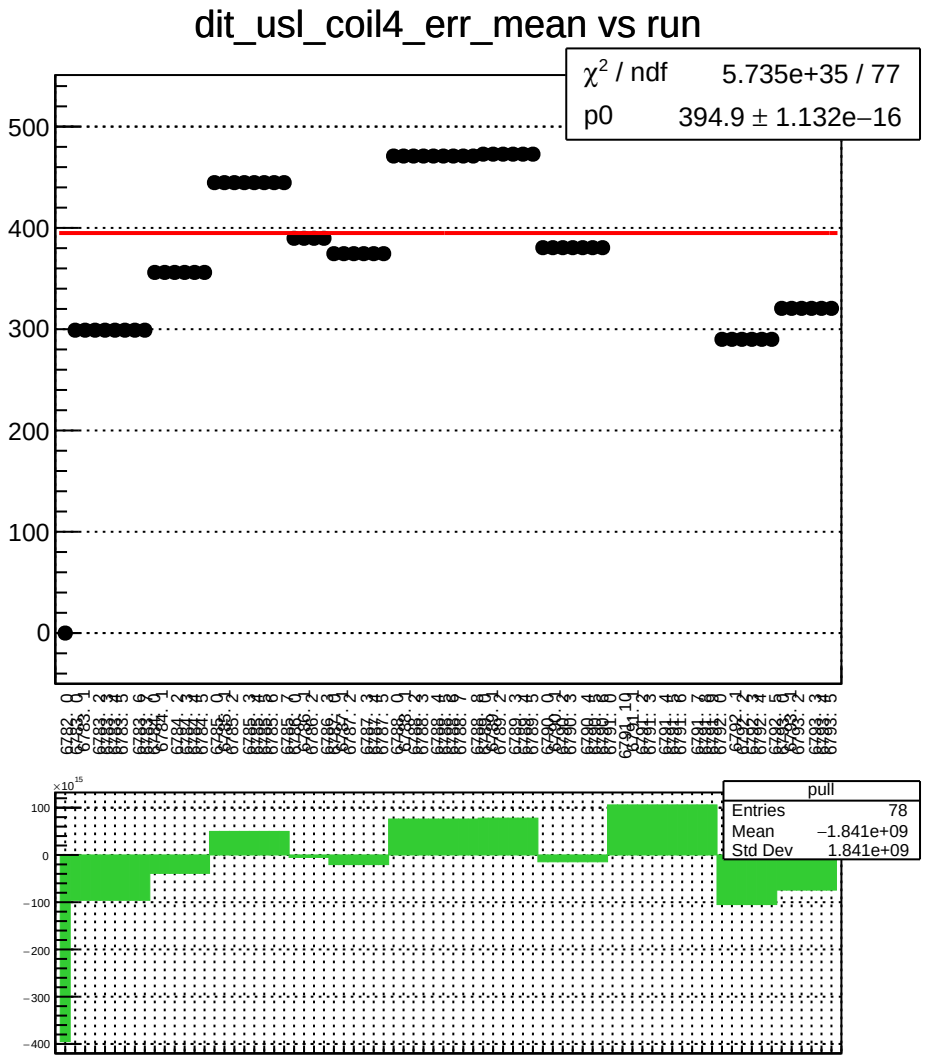
dit_4eY_coil4_Ndata_mean vs run

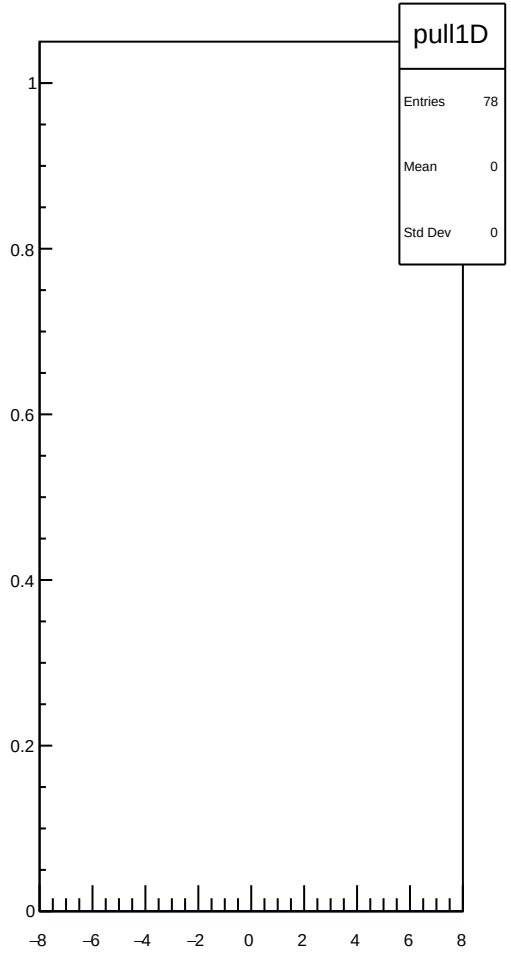


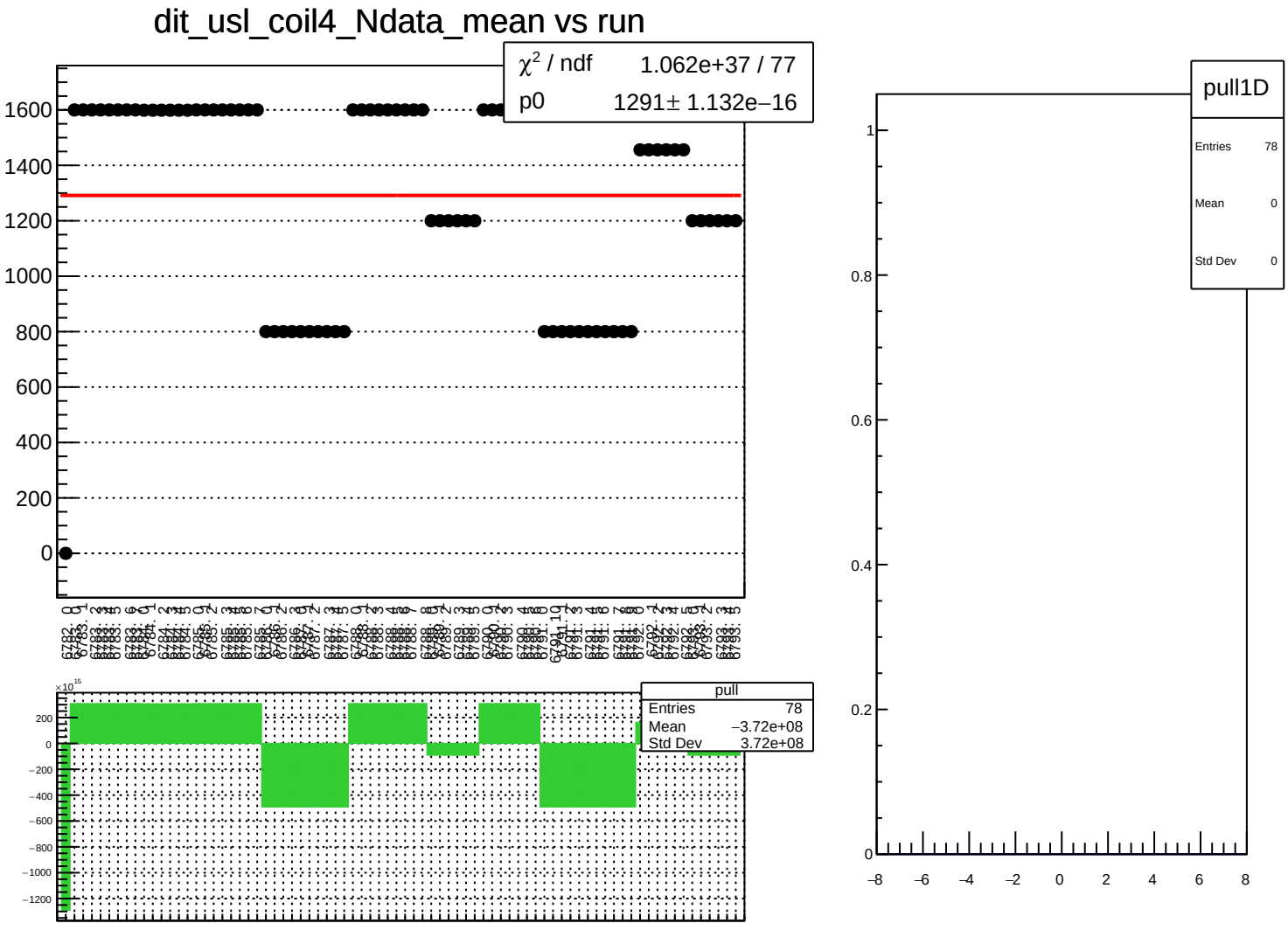


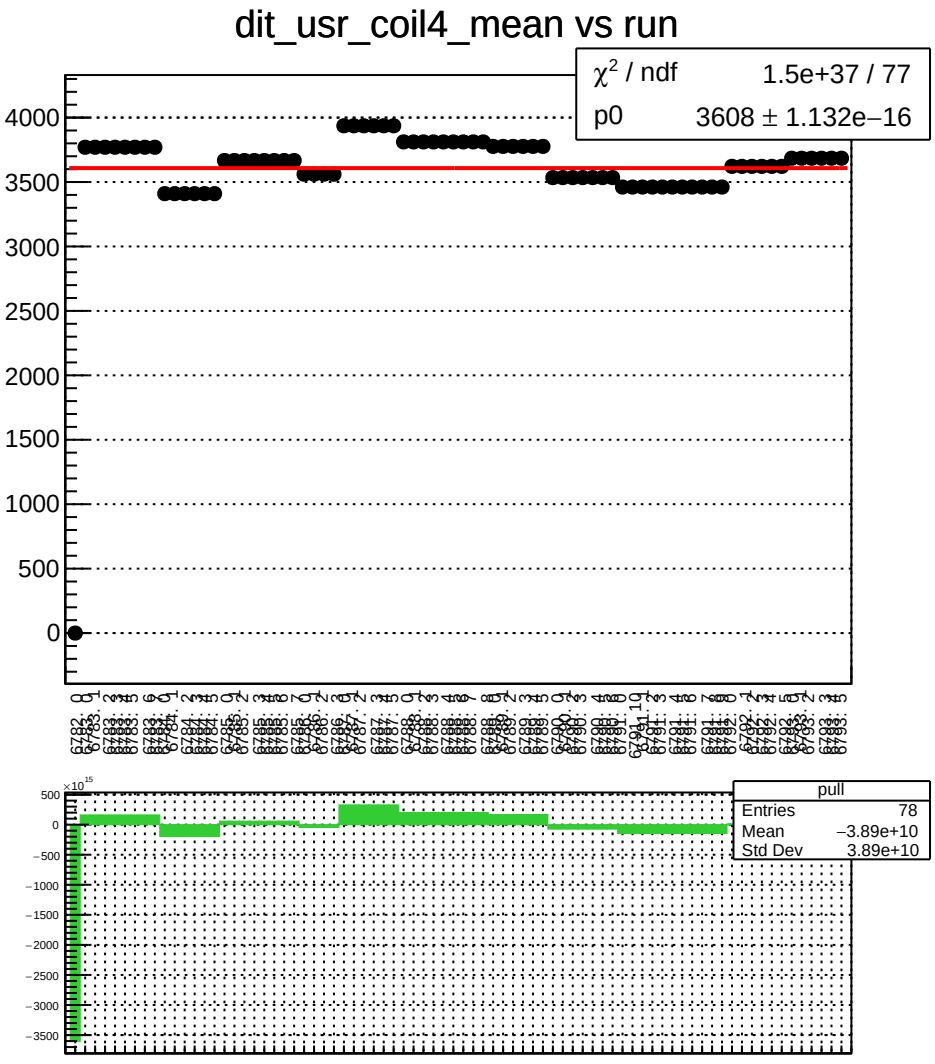

dit_usl_coil4_mean vs run
χ^2 / ndf 2.246e+37 / 77
p0 4072 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.064e+05
Std Dev 2.04e+05
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

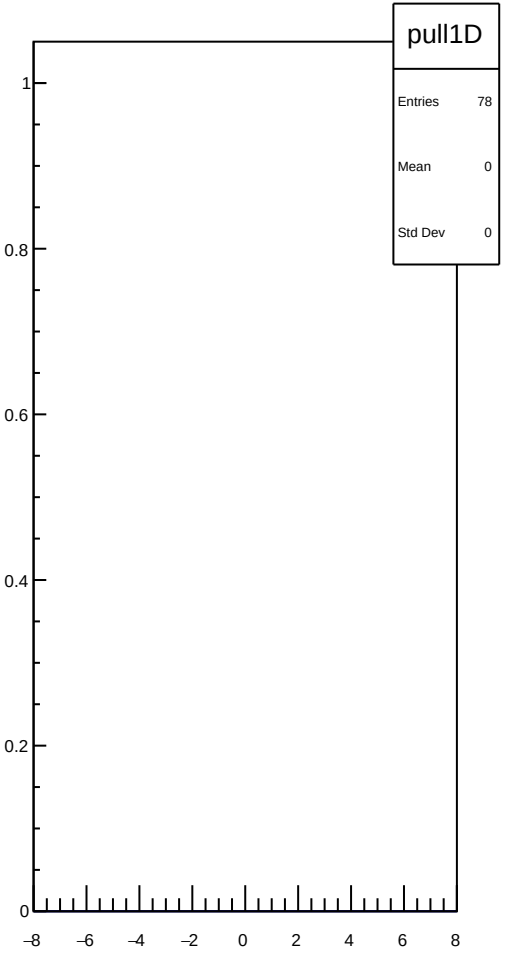

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

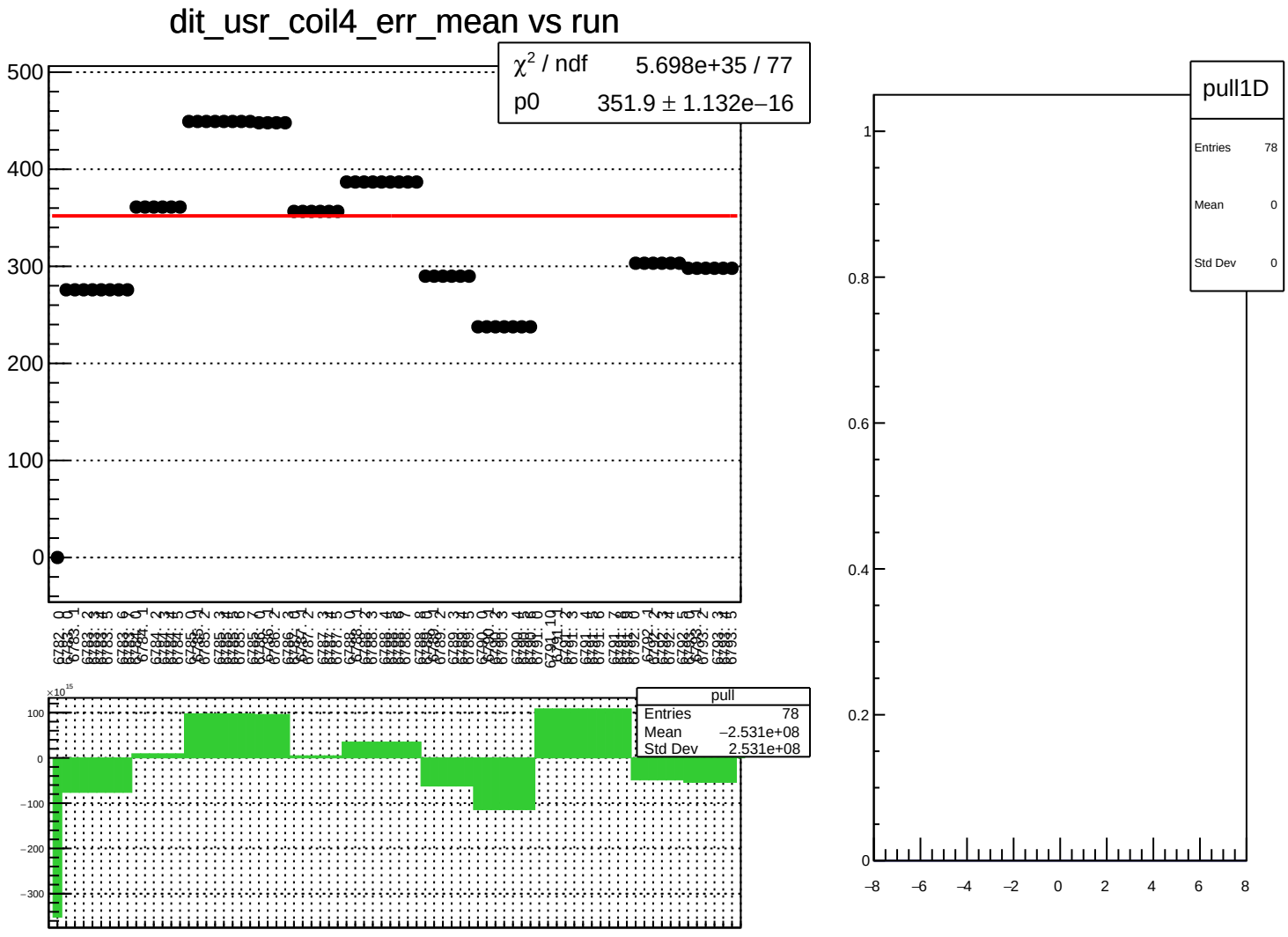

dit_usl_coil4_err_mean vs run
χ^2 / ndf 5.735e+35 / 77
p0 394.9 ± 1.132e−16
pull
Entries 78
Mean −1.841e+09
Std Dev 1.841e+09

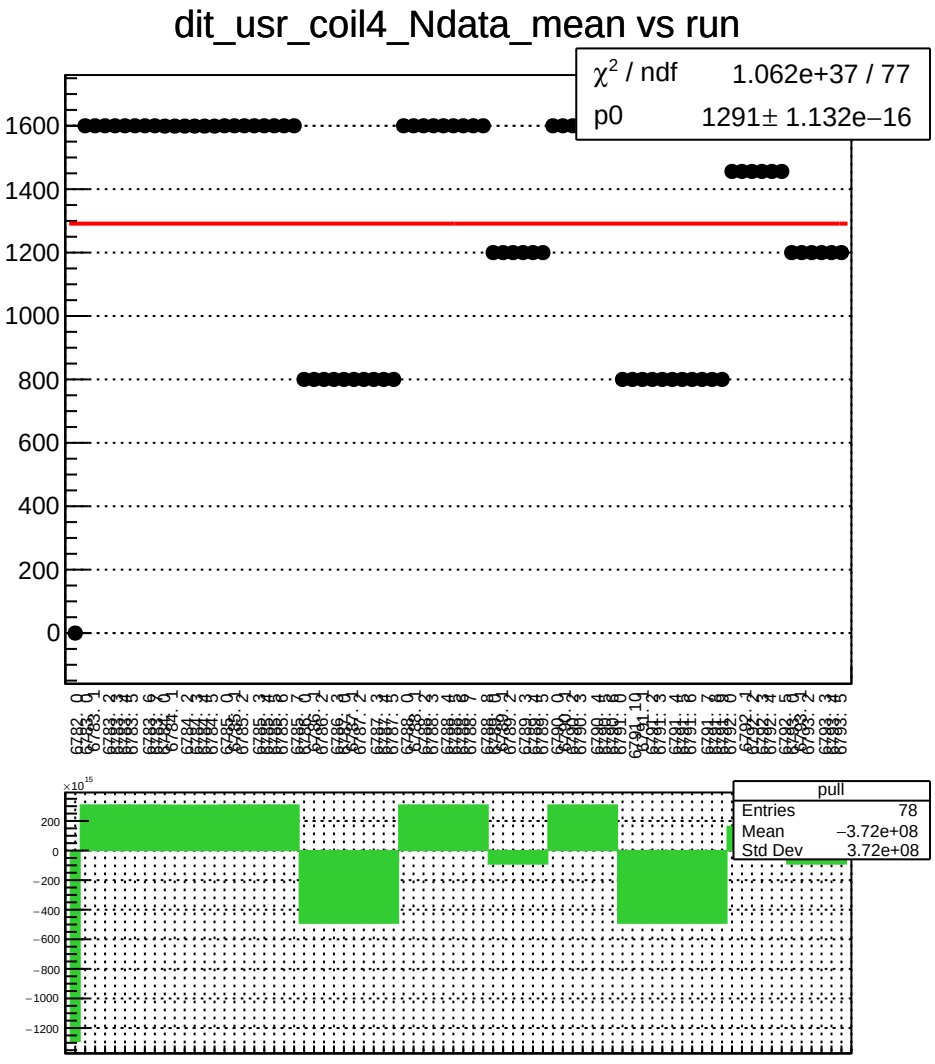

pull1D
Entries 78
Mean 0
Std Dev 0

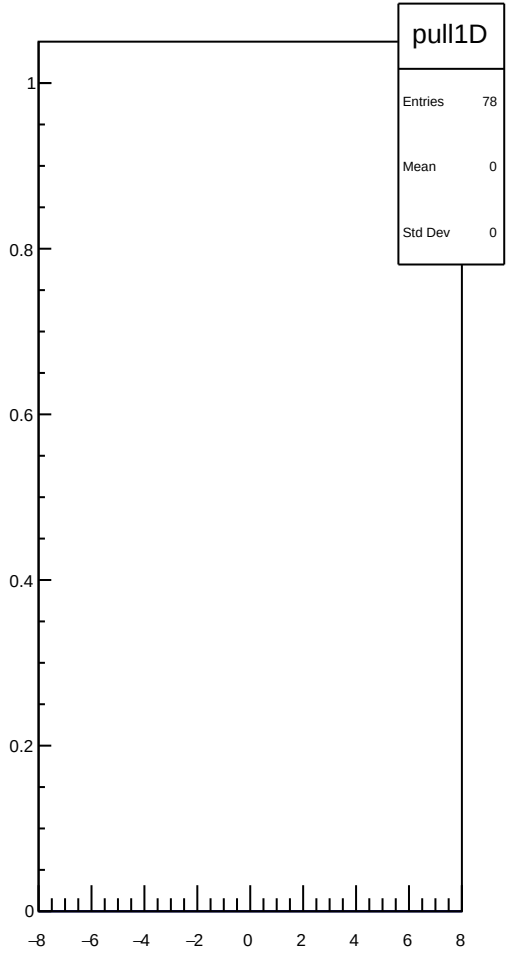

dit_usl_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

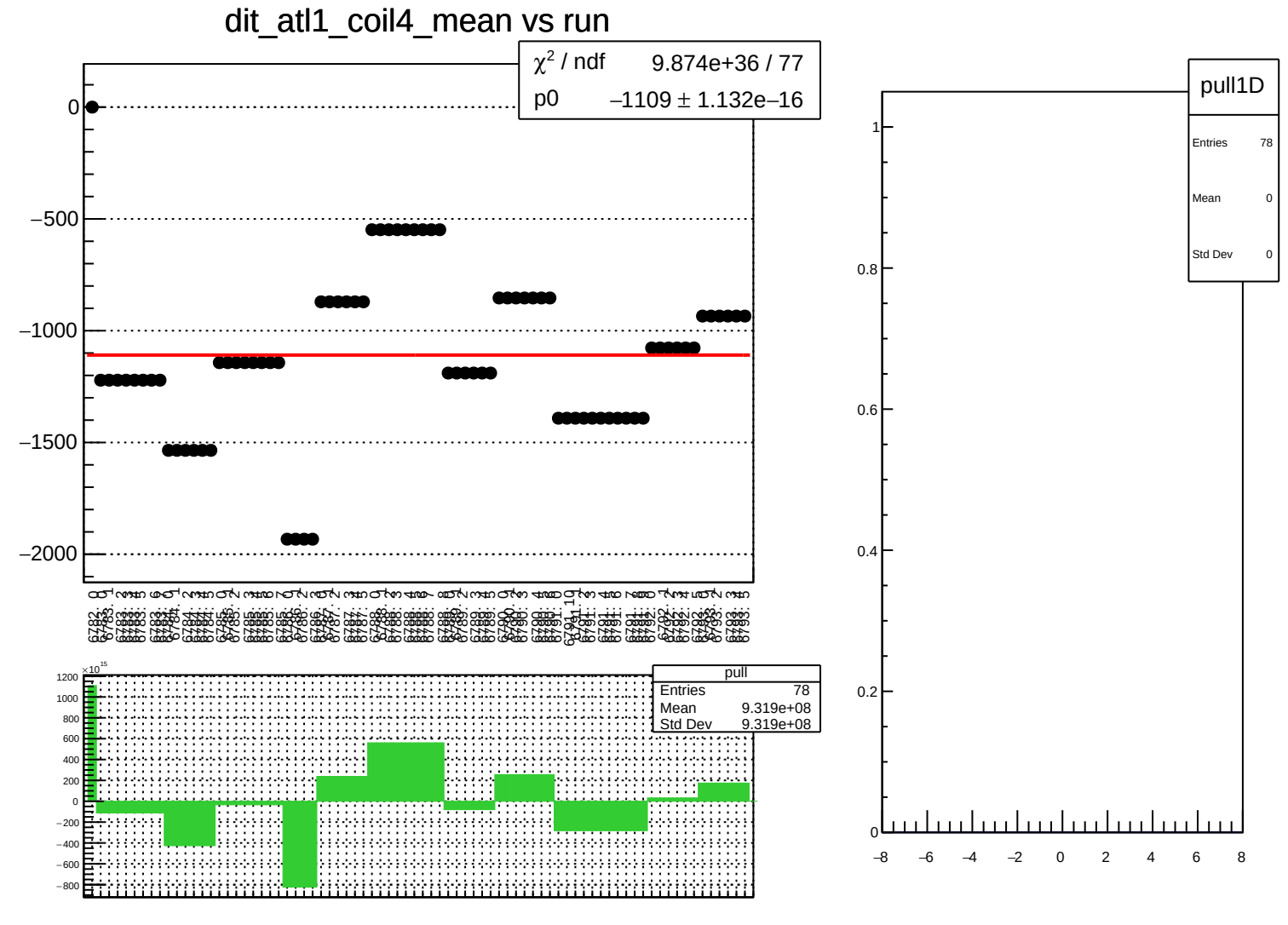

dit_usr_coil4_mean vs run
χ^2 / ndf 1.5e+37 / 77
p0 3608 ± 1.132e−16
pull
Entries 78
Mean −3.89e+10
Std Dev 3.89e+10


pull1D
Entries 78
Mean 0
Std Dev 0

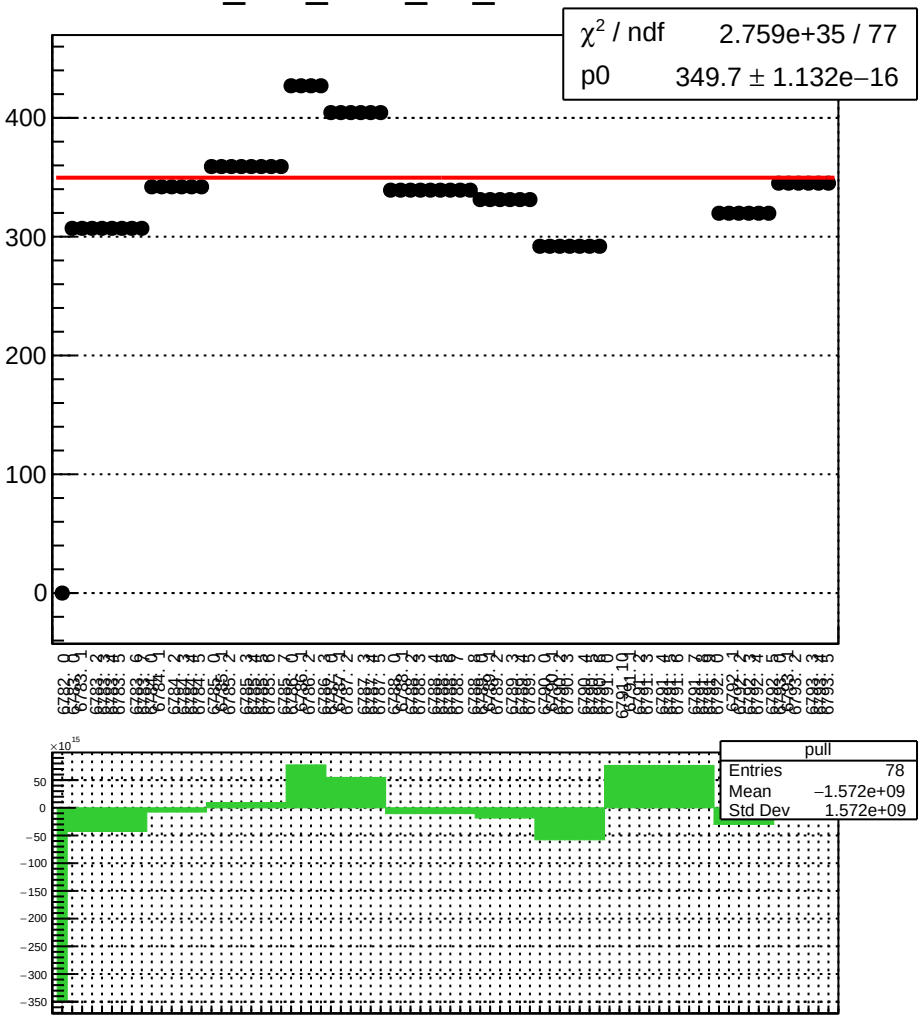

dit_usr_coil4_err_mean vs run
χ^2 / ndf 5.698e+35 / 77
p0 351.9 ± 1.132e−16
pull
Entries 78
Mean −2.531e+08
Std Dev 2.531e+08
pull1D
Entries 78
Mean 0
Std Dev 0

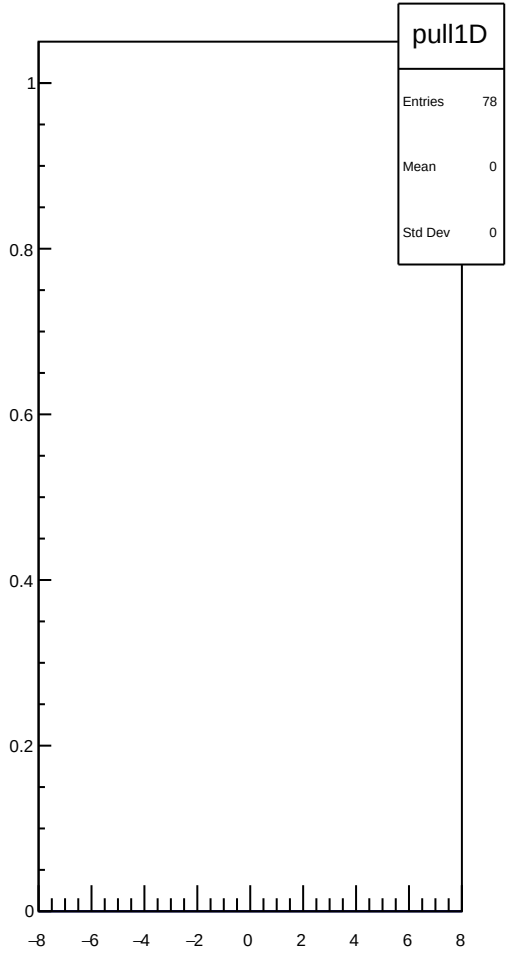

dit_usr_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

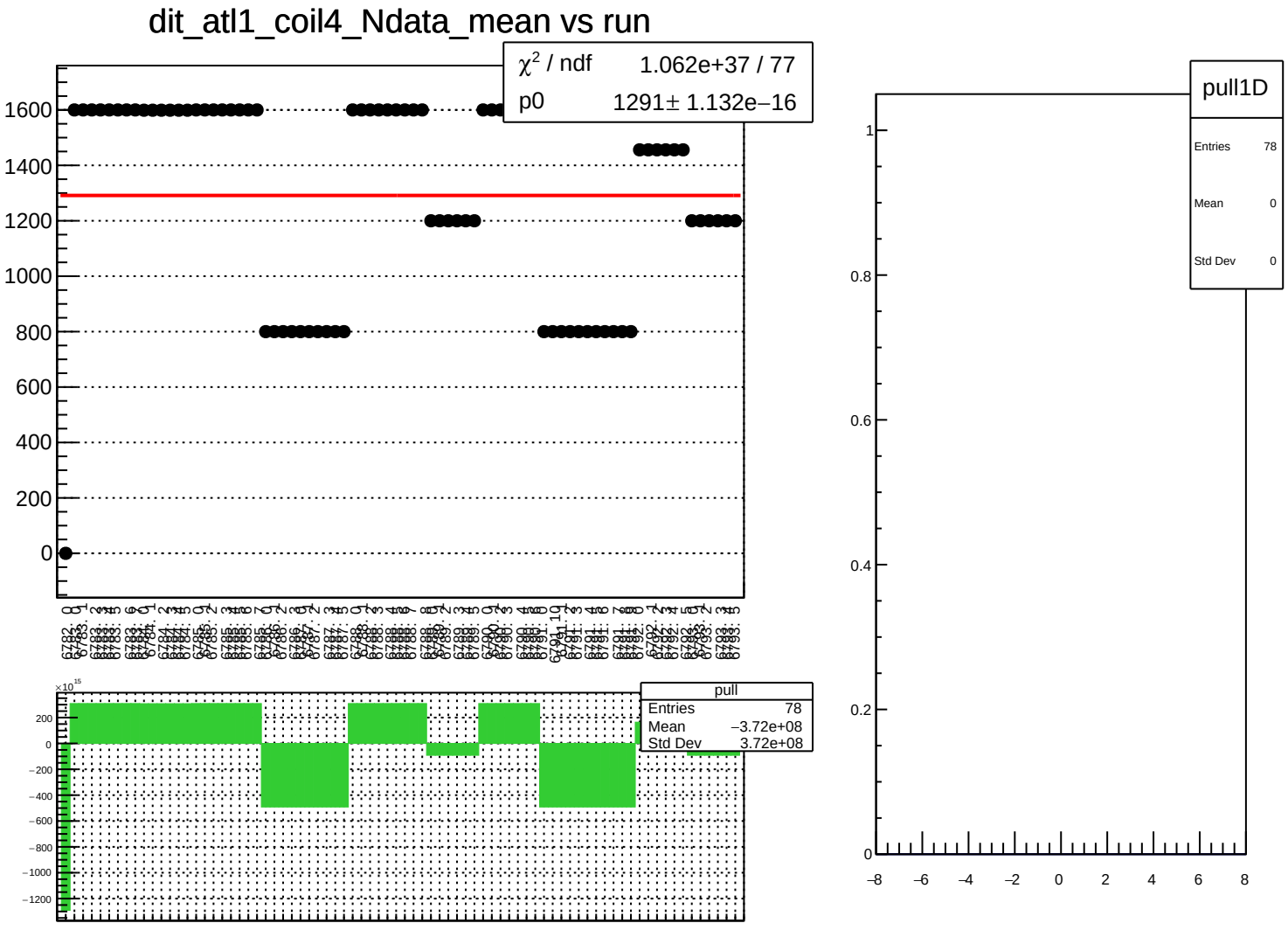

pull1D
Entries 78
Mean 0
Std Dev 0

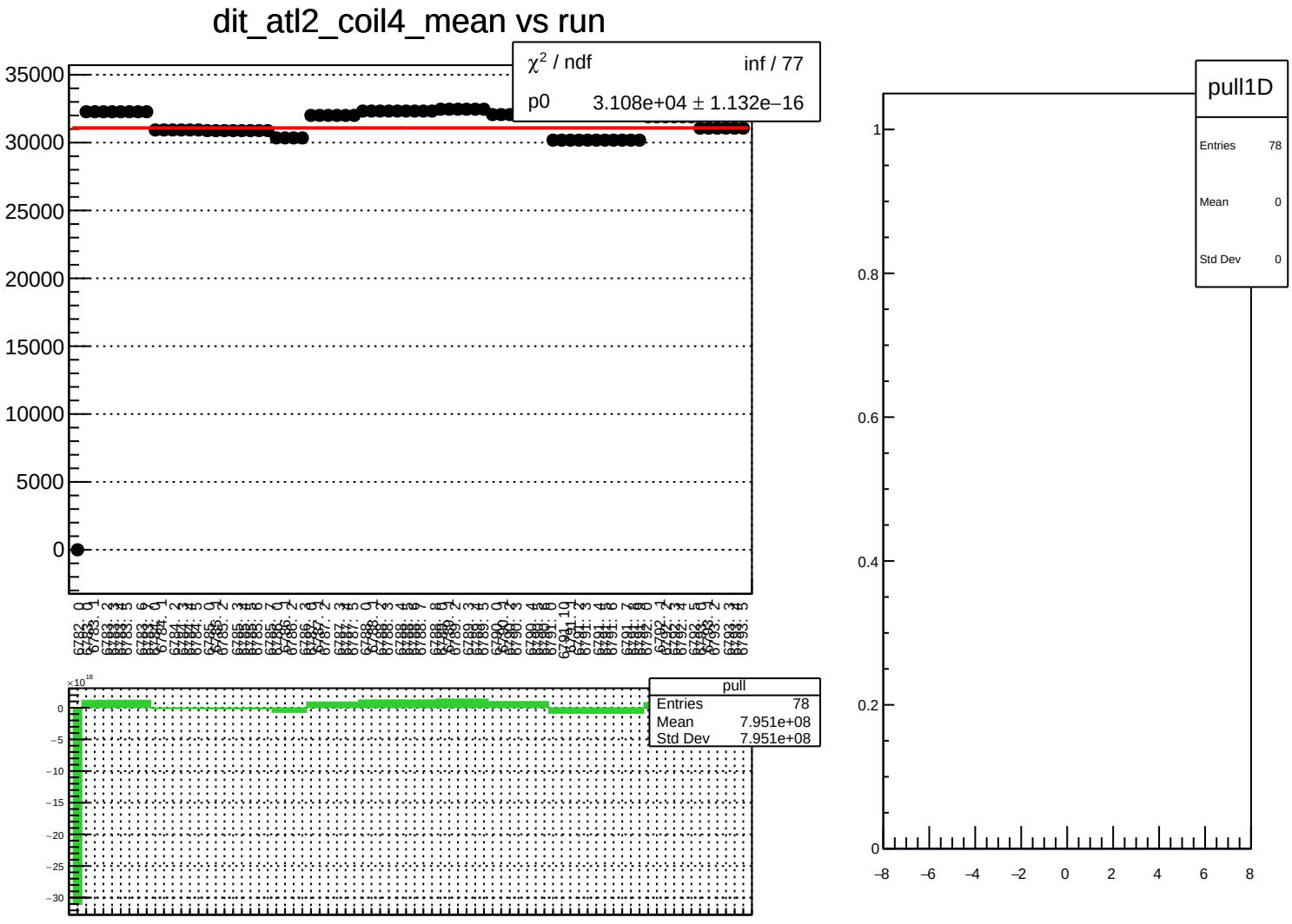

dit_atl1_coil4_mean vs run
χ^2 / ndf 9.874e+36 / 77
p0 –1109 ± 1.132e–16
pull
Entries 78
Mean 9.319e+08
Std Dev 9.319e+08
pull1D
Entries 78
Mean 0
Std Dev 0

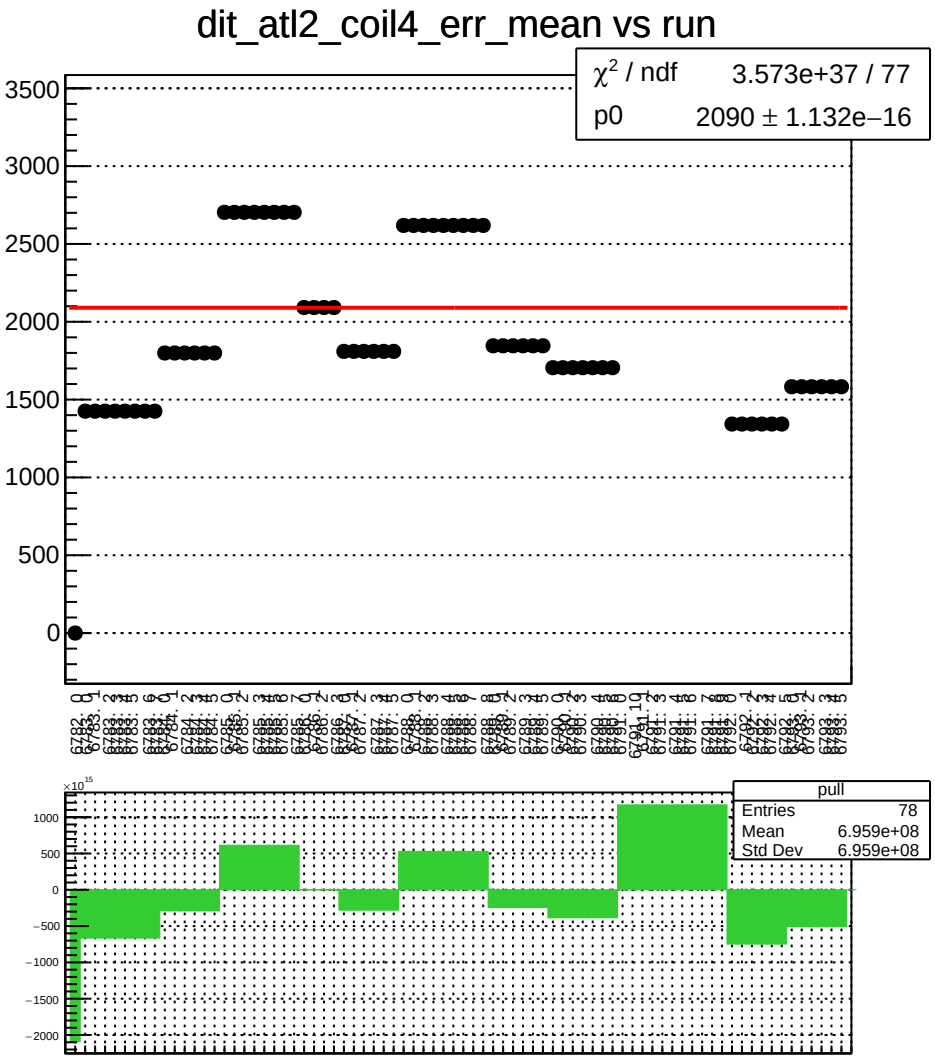
dit_atl1_coil4_err_mean vs run

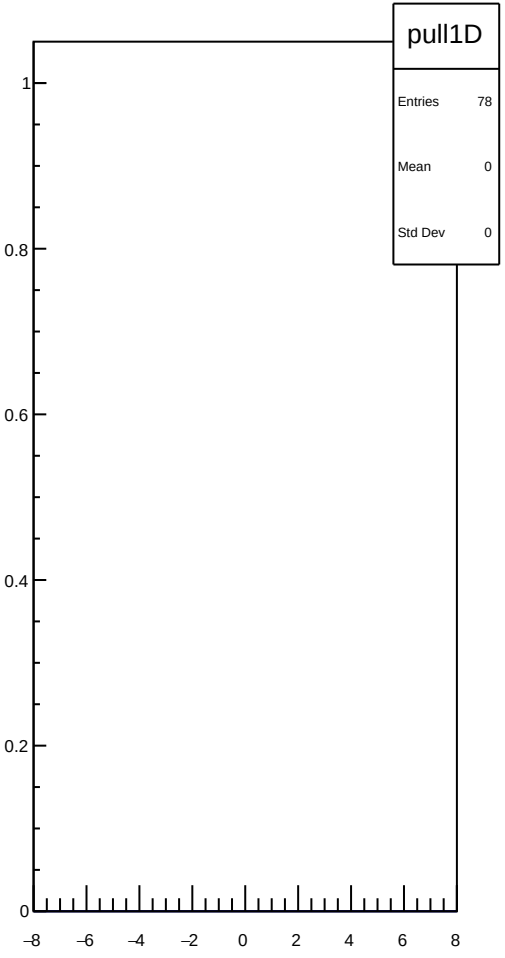


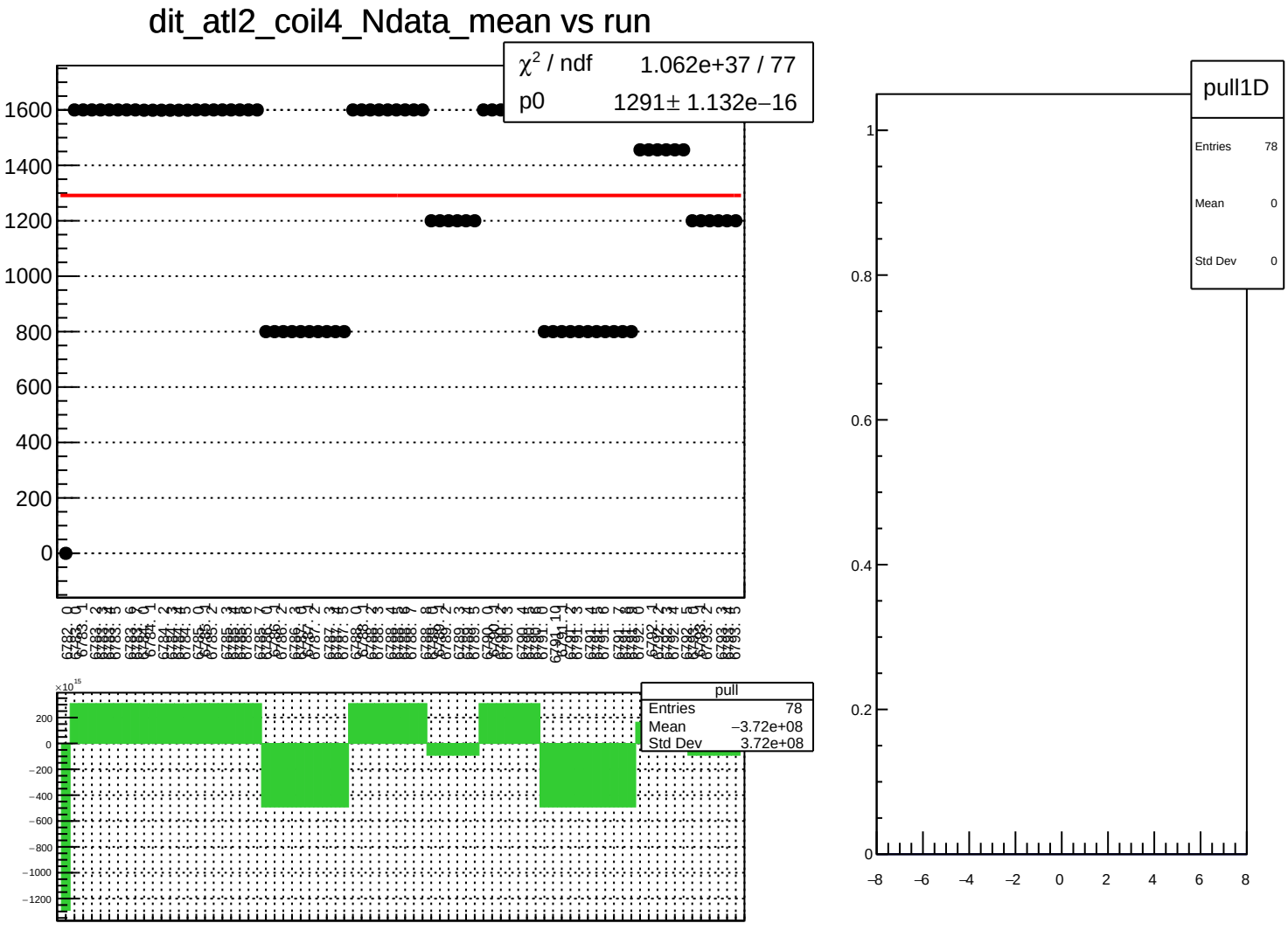


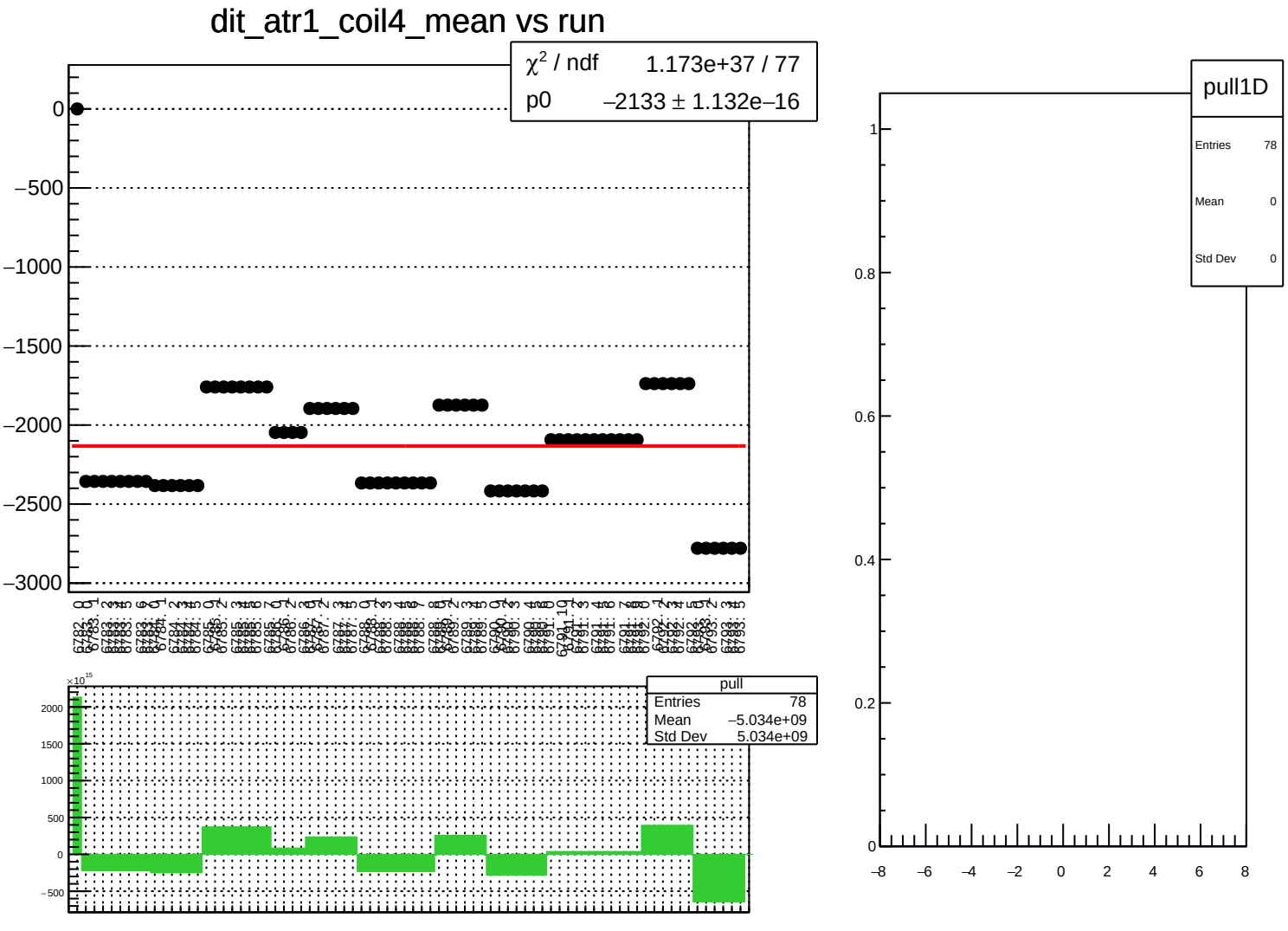

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0


dit_atl2_coil4_mean vs run
χ² / ndf inf / 77
p0 3.108e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 7.951e+08
Std Dev 7.951e+08
×10¹⁸
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

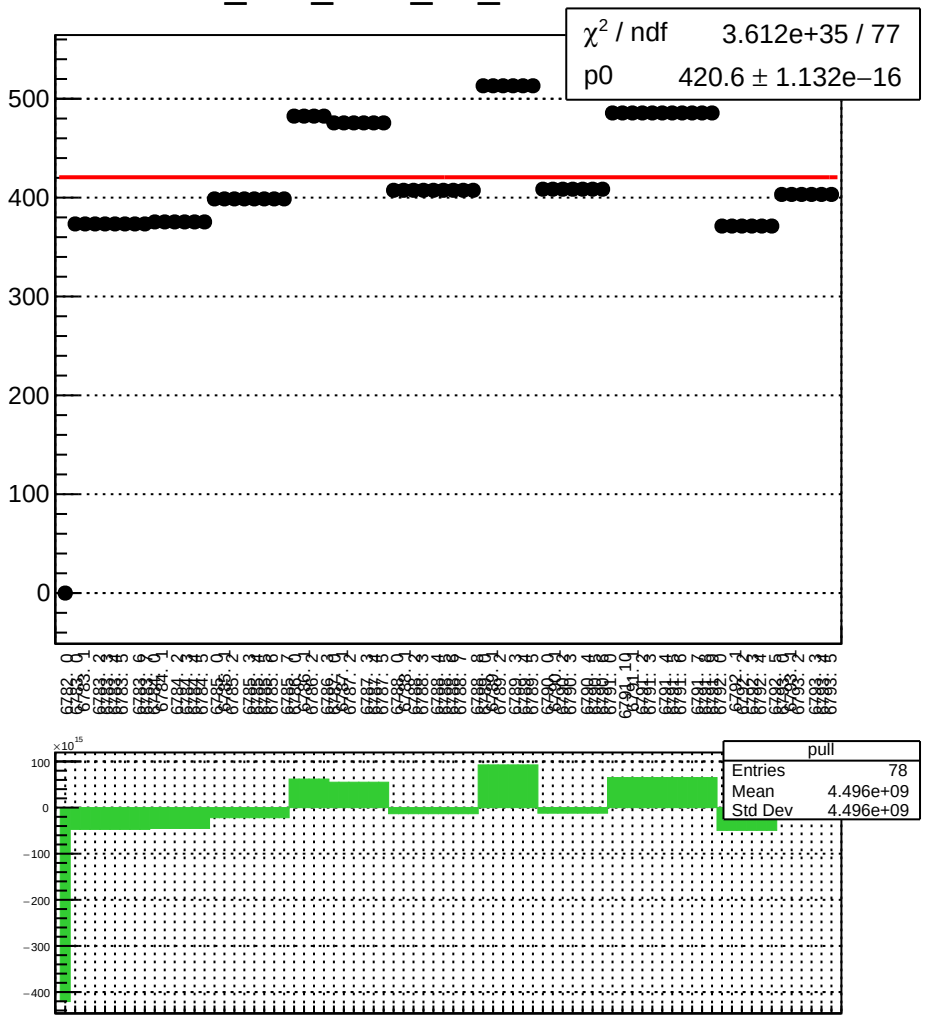

dit_atl2_coil4_err_mean vs run
χ² / ndf 3.573e+37 / 77
p0 2090 ± 1.132e−16
pull
Entries 78
Mean 6.959e+08
Std Dev 6.959e+08

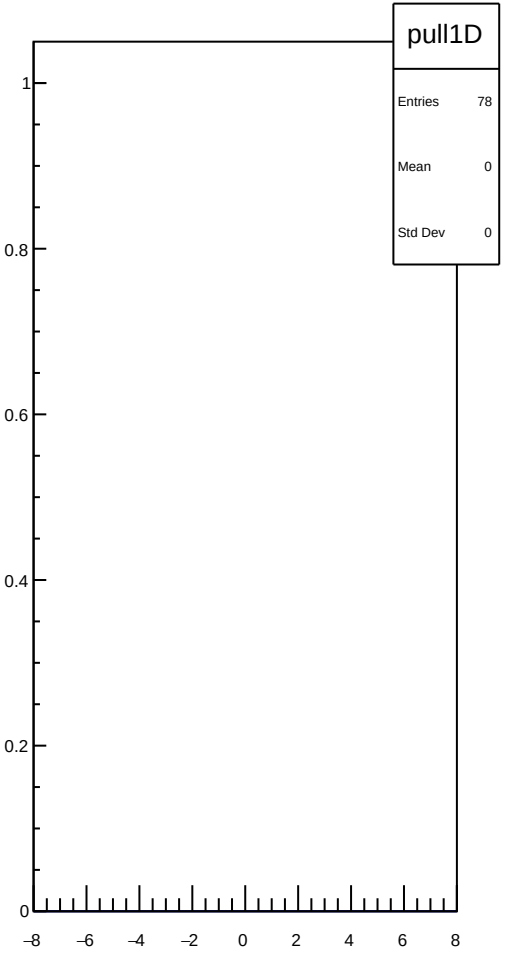

pull1D
Entries 78
Mean 0
Std Dev 0

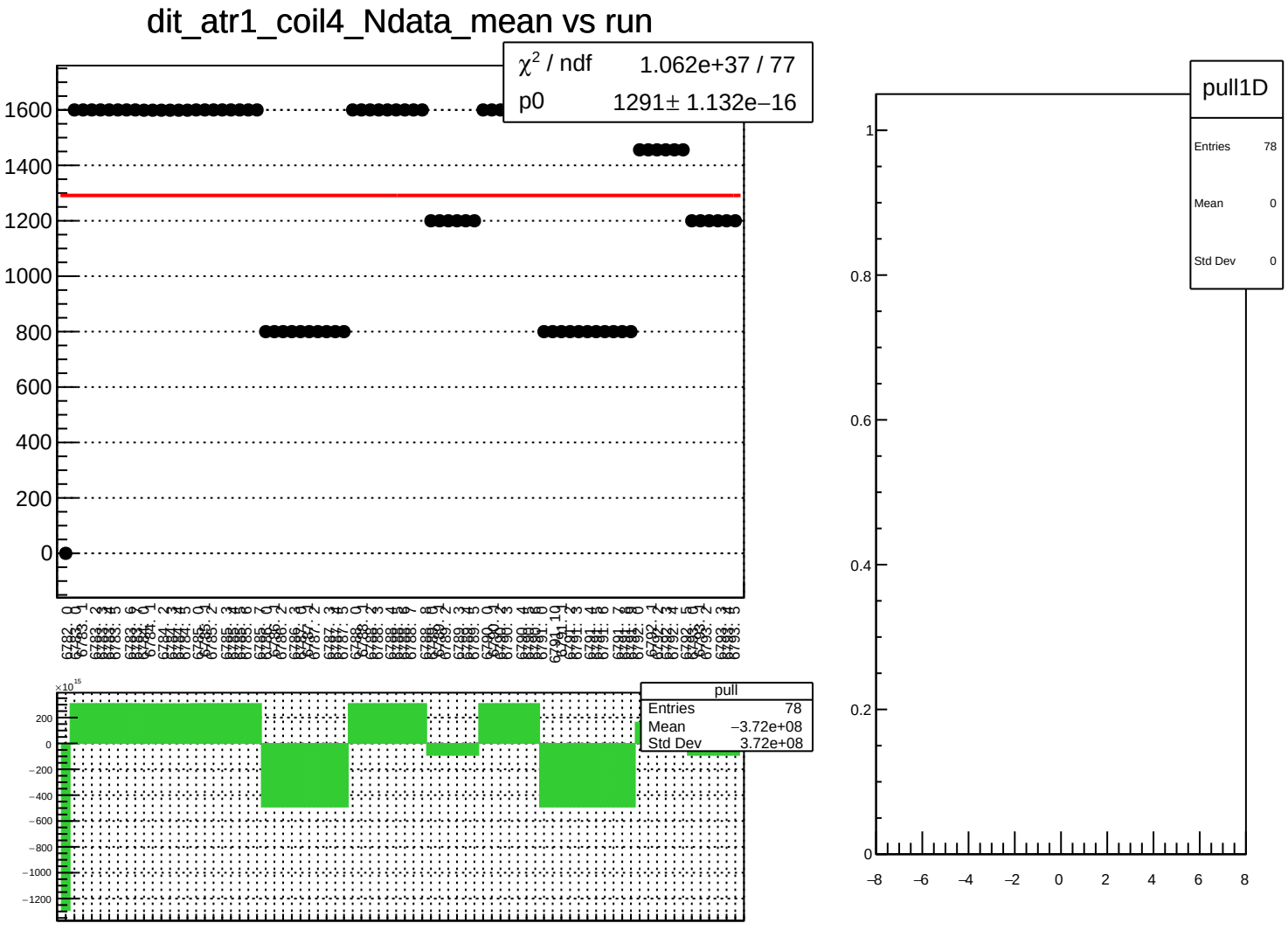

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

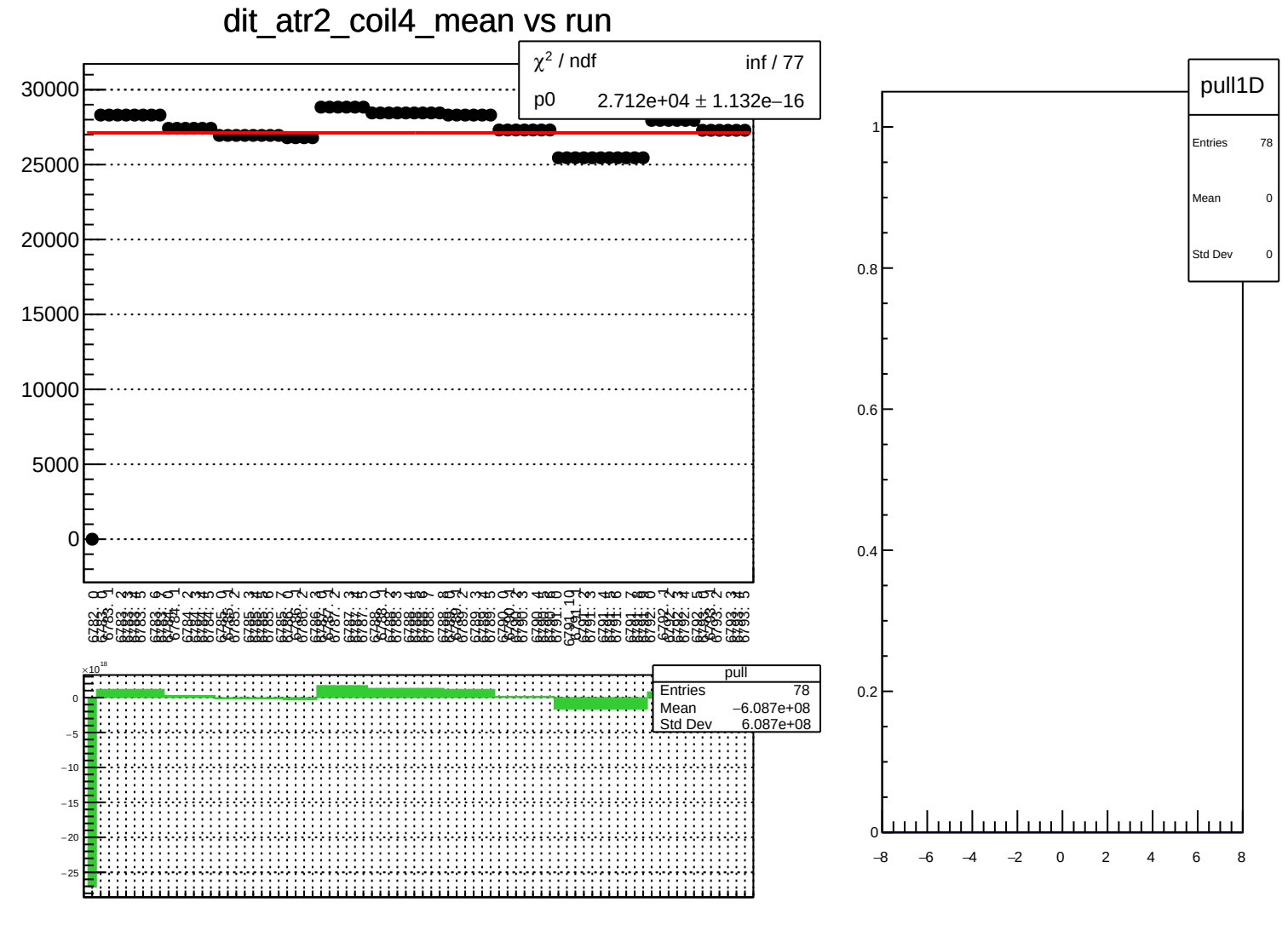

dit_atr1_coil4_mean vs run
χ² / ndf 1.173e+37 / 77
p0 −2133 ± 1.132e−16
pull
Entries 78
Mean −5.034e+09
Std Dev 5.034e+09
pull1D
Entries 78
Mean 0
Std Dev 0

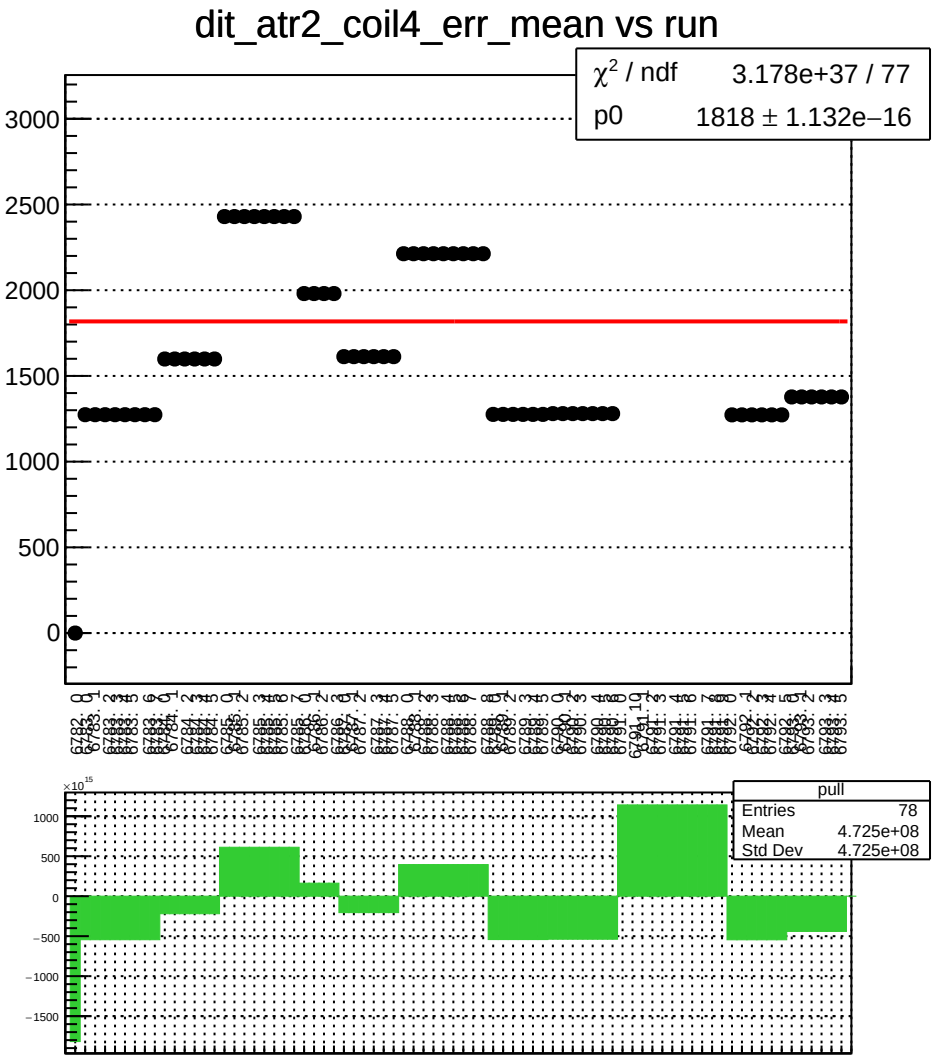
dit_atr1_coil4_err_mean vs run

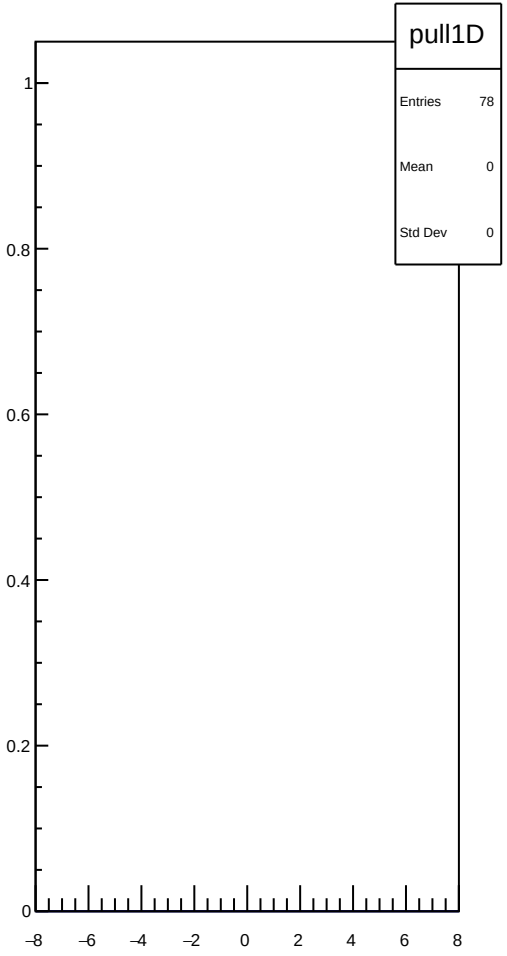


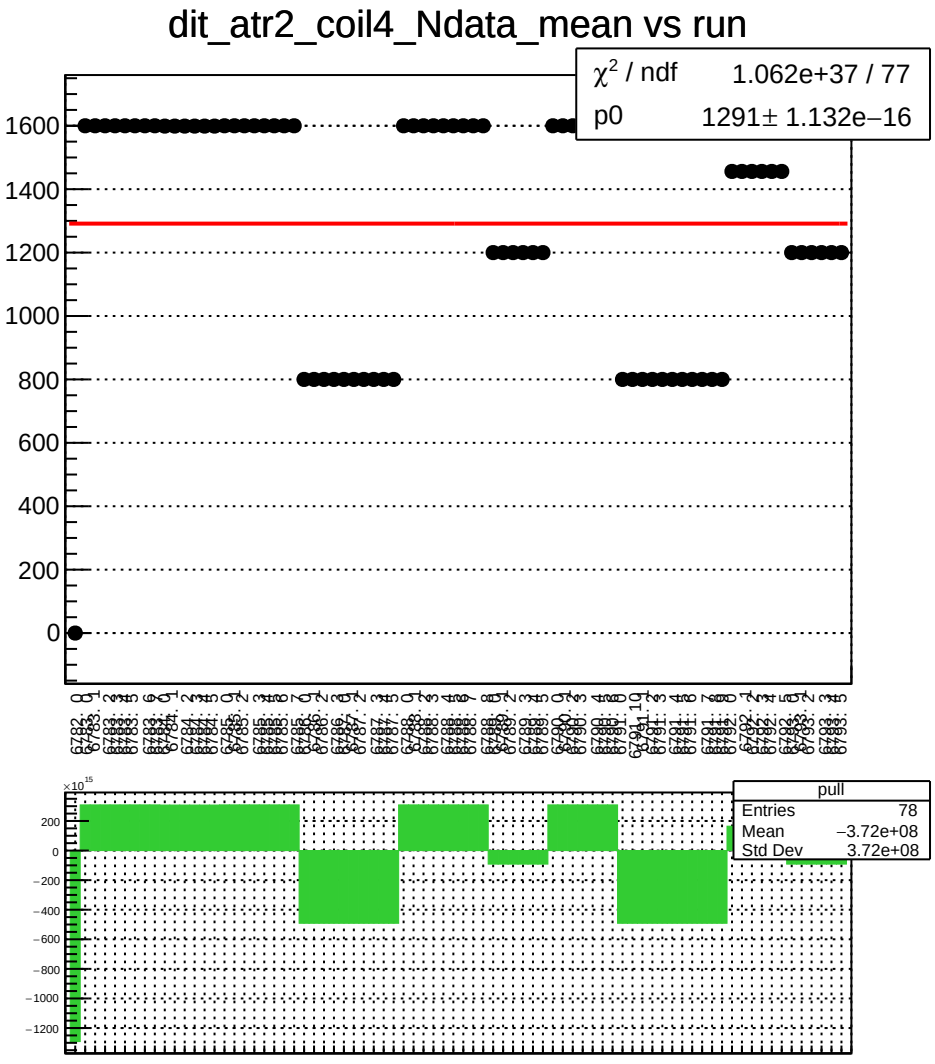


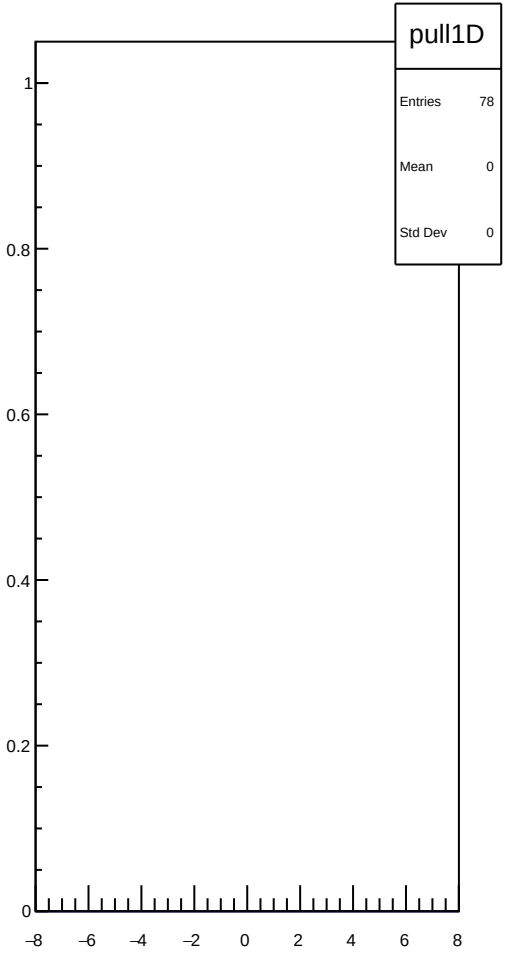

dit_atr1_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

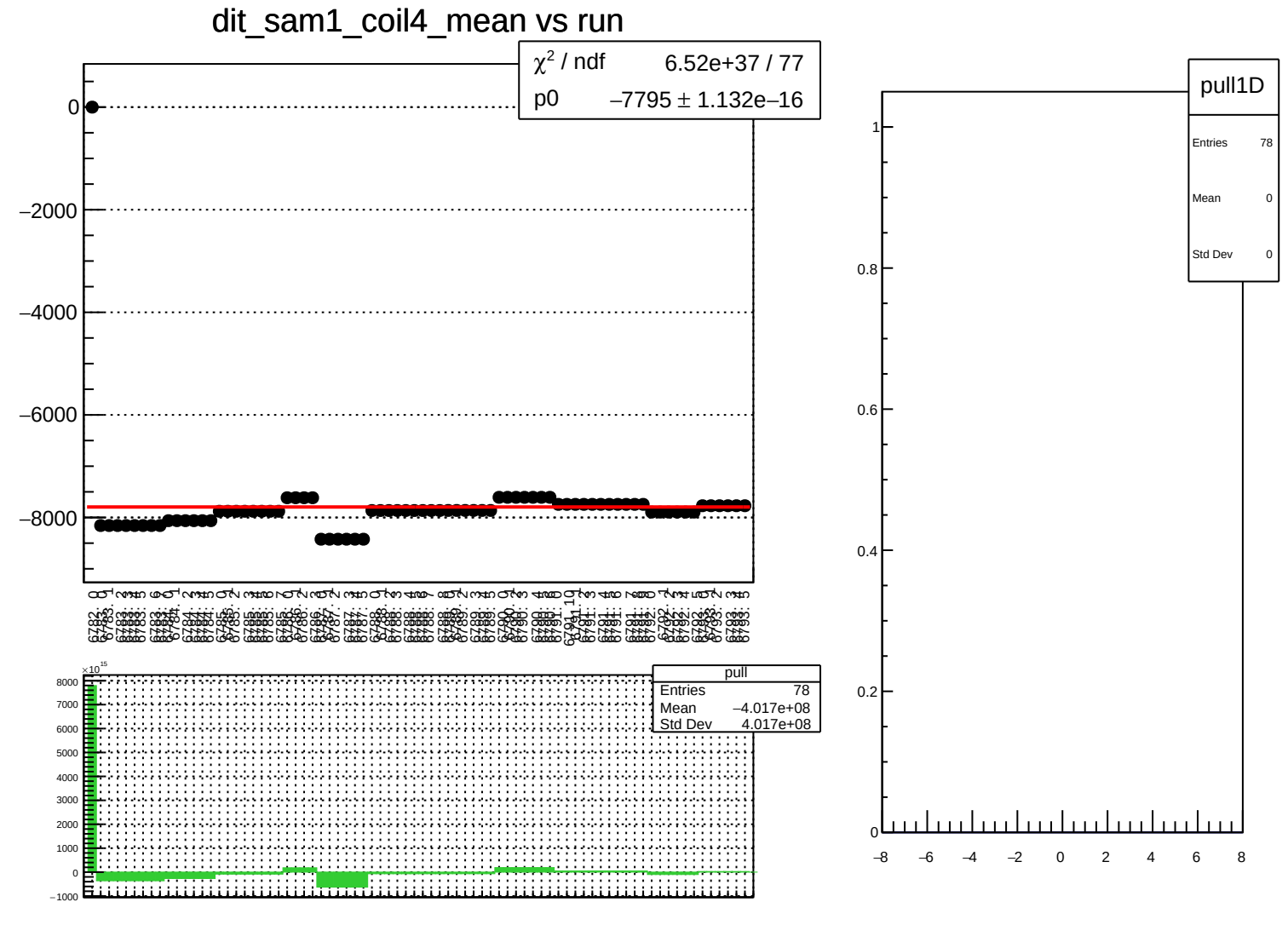

dit_atr2_coil4_mean vs run
χ² / ndf inf / 77
p0 2.712e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
×10¹⁸
0
−5
−10
−15
−20
−25
pull
Entries 78
Mean −6.087e+08
Std Dev 6.087e+08
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

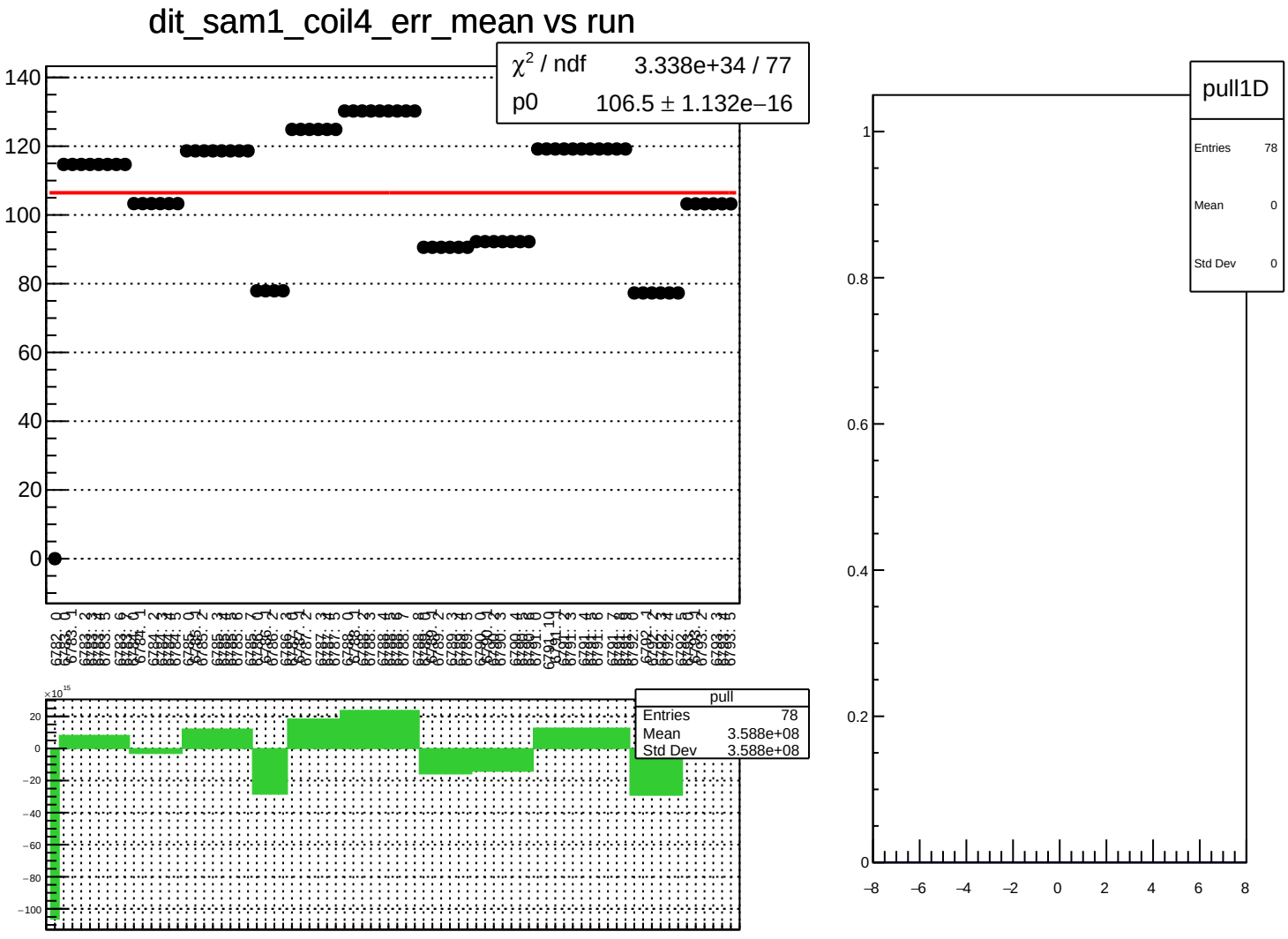

dit_atr2_coil4_err_mean vs run
χ^2 / ndf 3.178e+37 / 77
p0 1818 ± 1.132e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 78
Mean 4.725e+08
Std Dev 4.725e+08
1000
500
0
−500
−1000
−1500

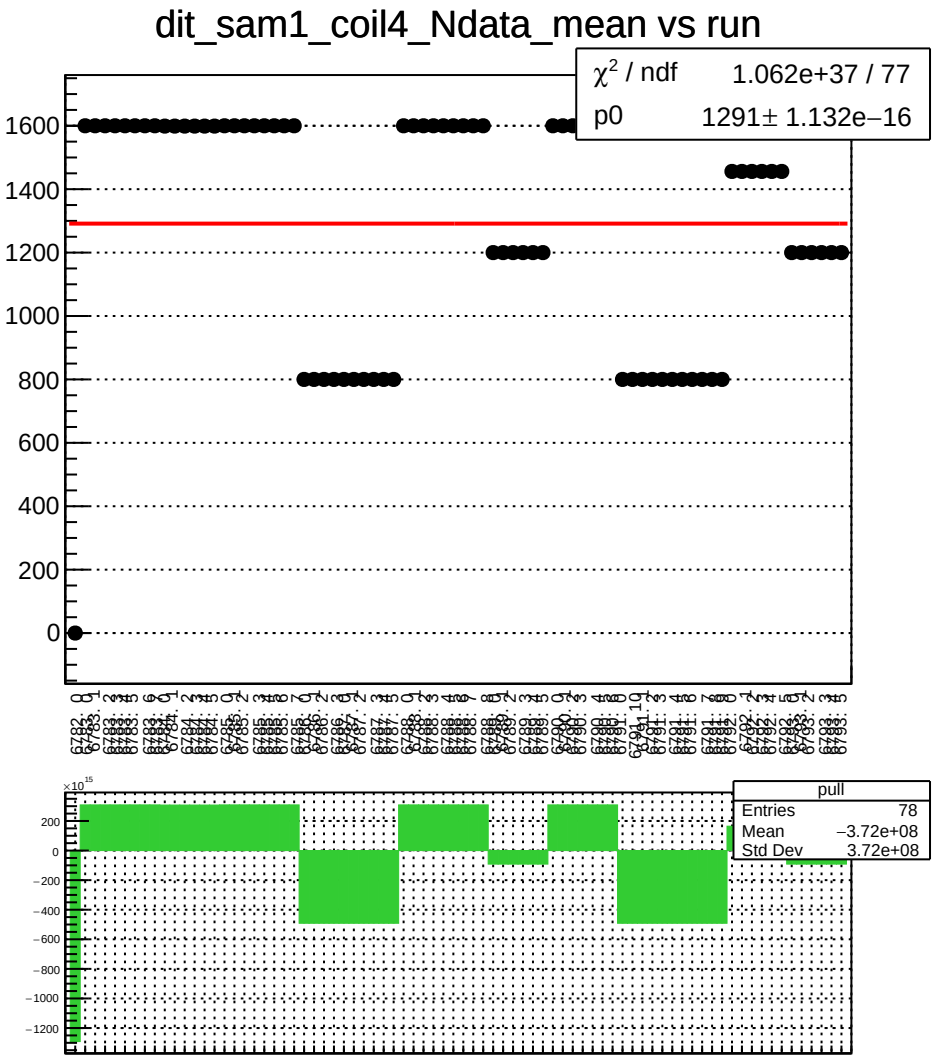

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

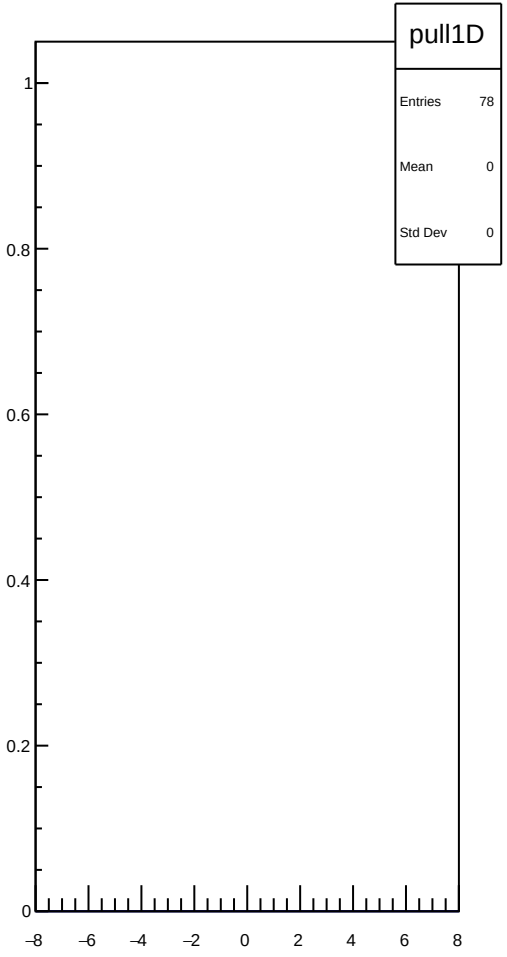

dit_atr2_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08


pull1D
Entries 78
Mean 0
Std Dev 0

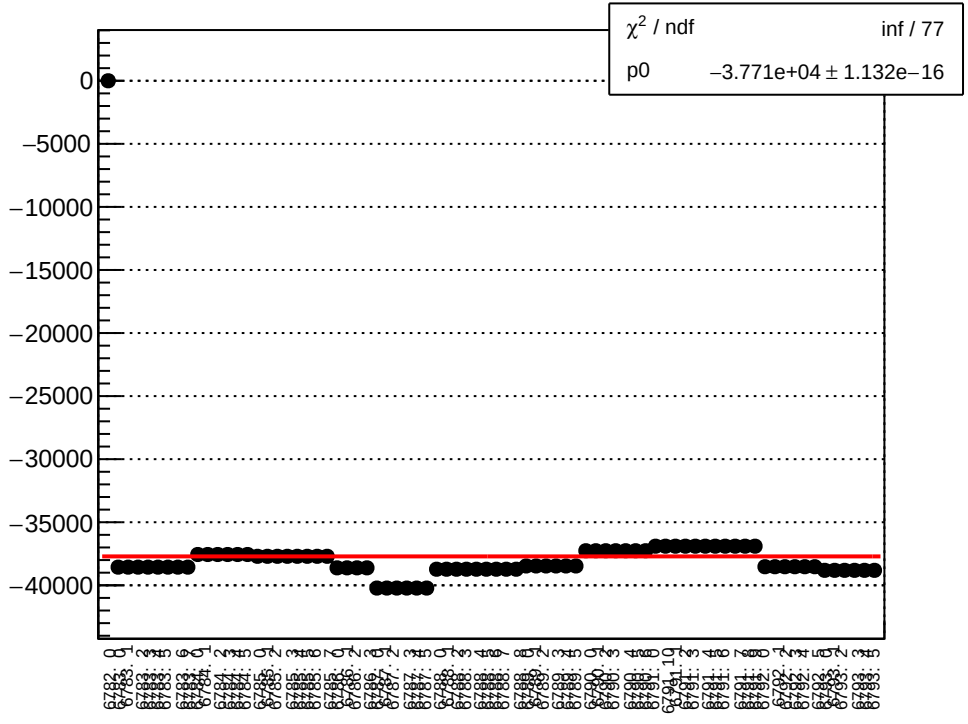

dit_sam1_coil4_mean vs run
χ² / ndf 6.52e+37 / 77
p0 −7795 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −4.017e+08
Std Dev 4.017e+08
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

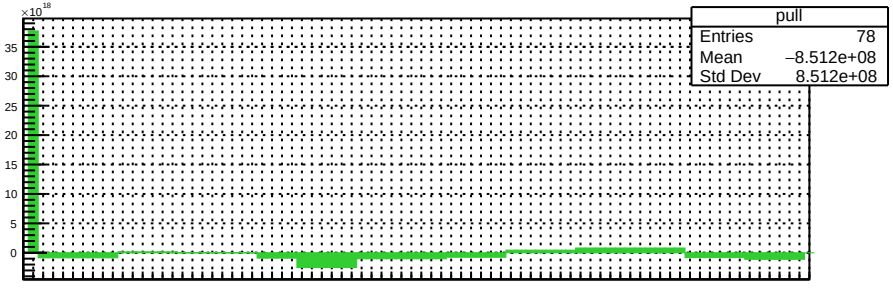

dit_sam1_coil4_err_mean vs run
χ² / ndf 3.338e+34 / 77
p0 106.5 ± 1.132e−16
pull
Entries 78
Mean 3.588e+08
Std Dev 3.588e+08
pull1D
Entries 78
Mean 0
Std Dev 0

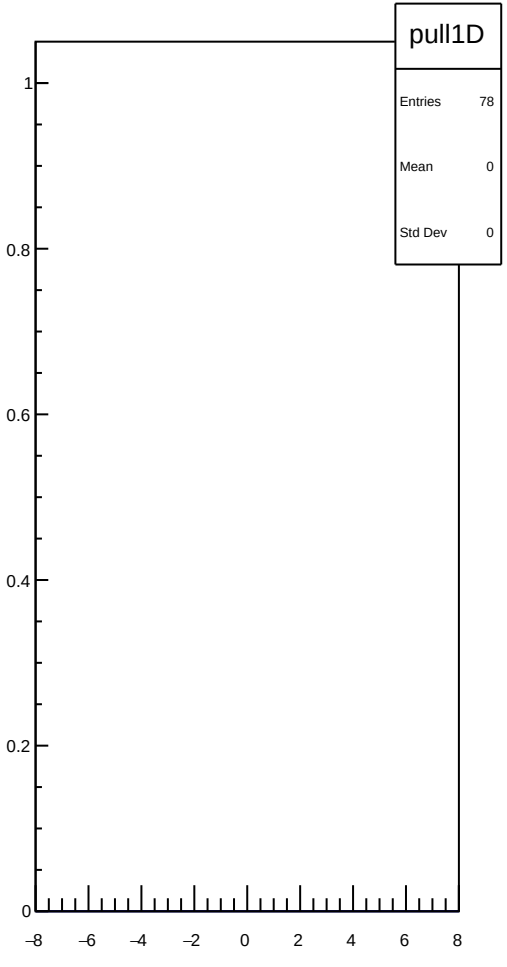

dit_sam1_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

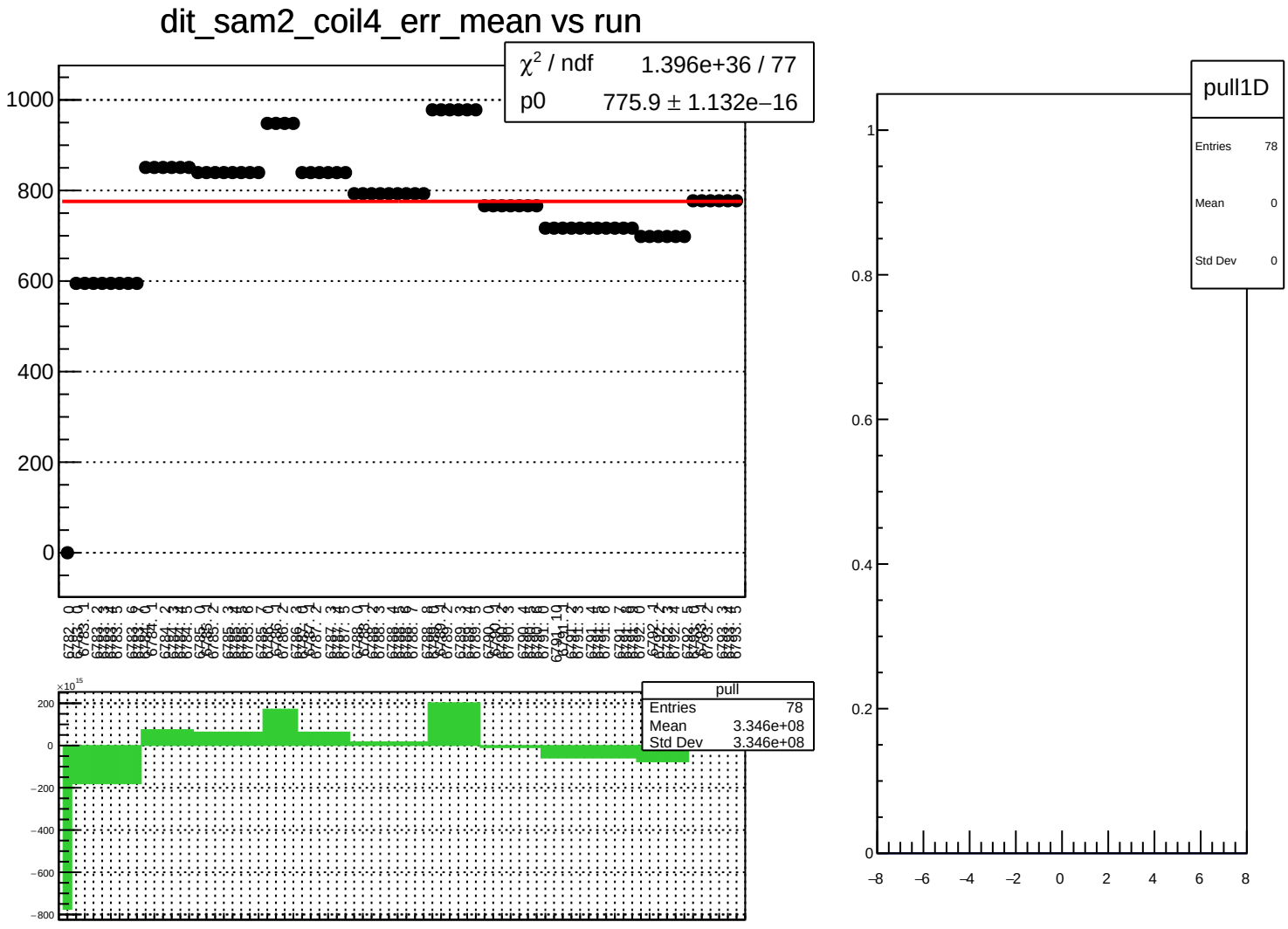

pull1D
Entries 78
Mean 0
Std Dev 0

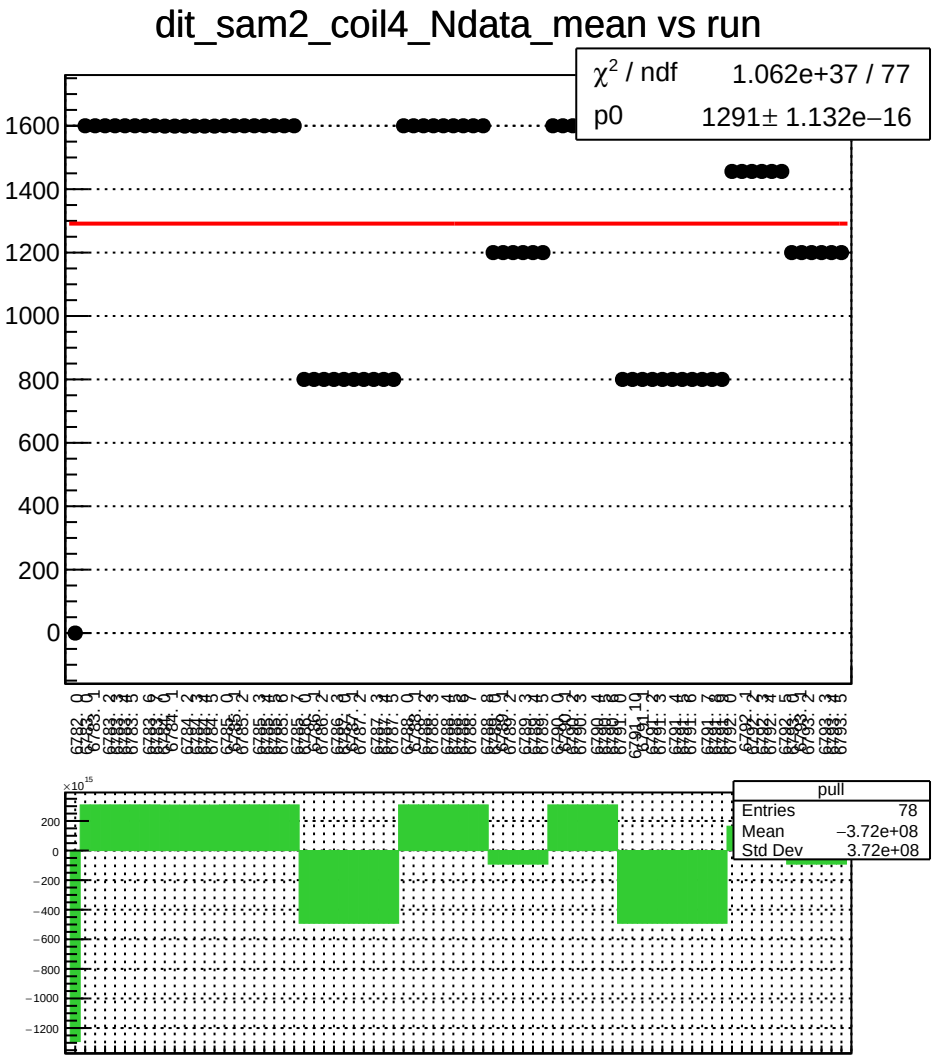
dit_sam2_coil4_mean vs run

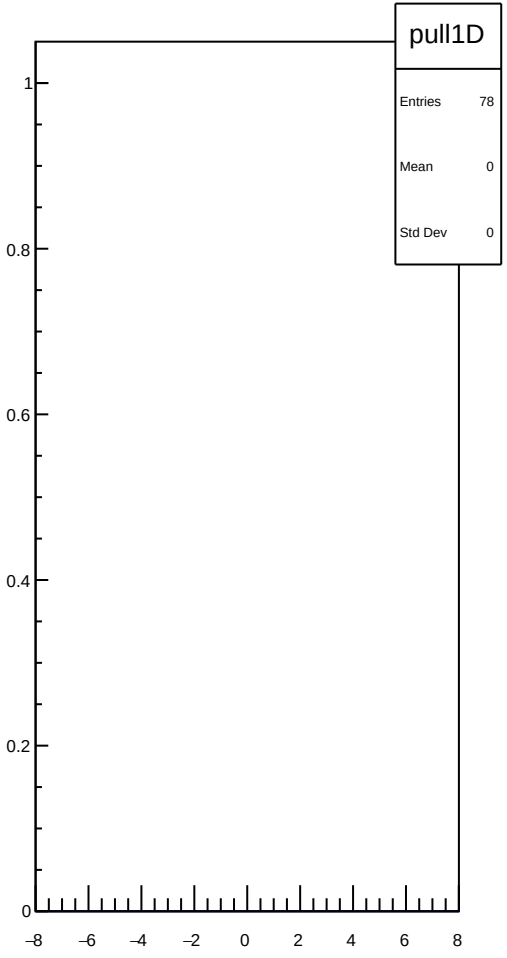


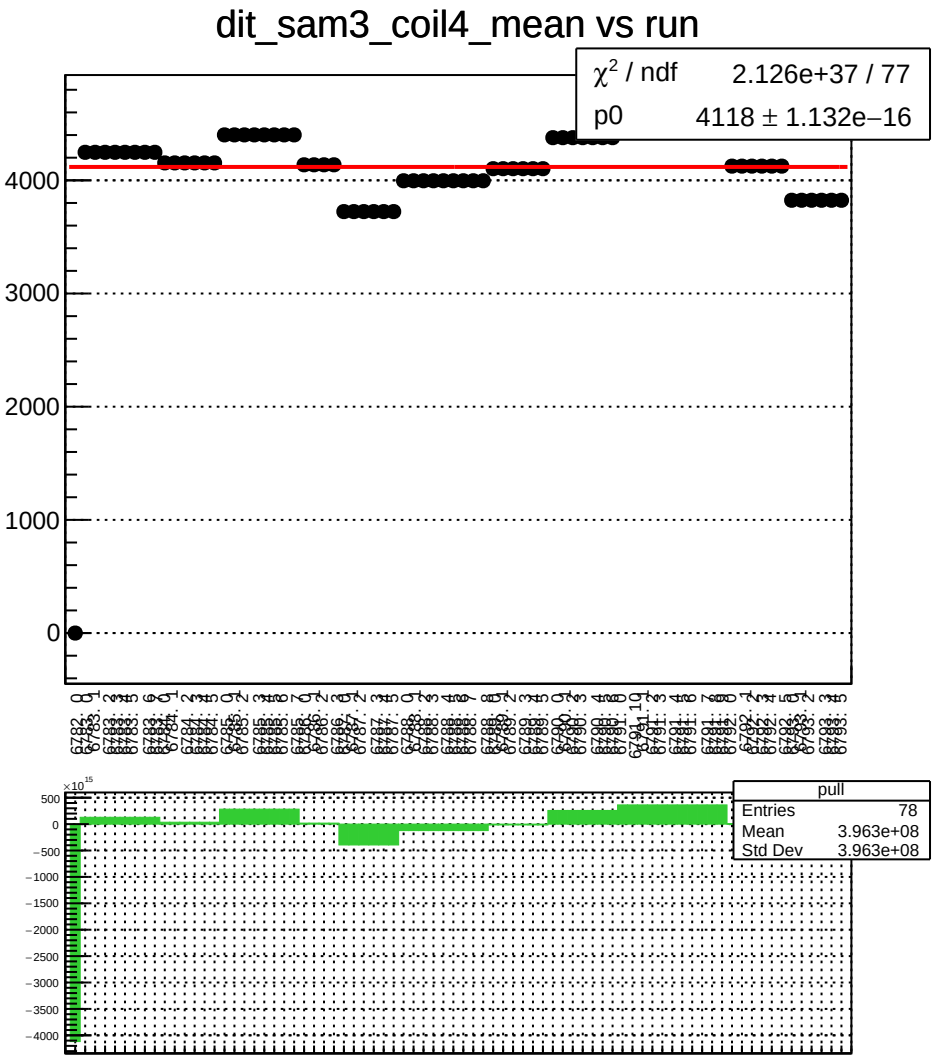


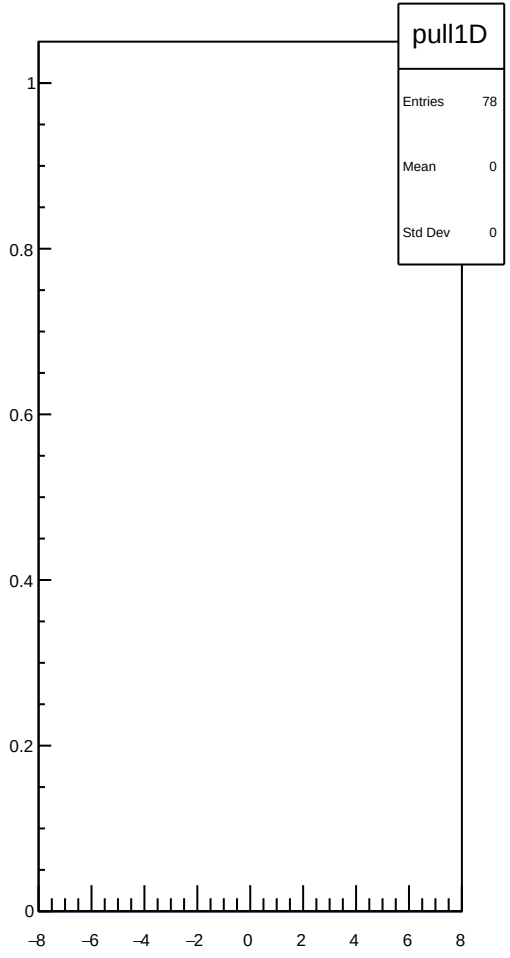



dit_sam2_coil4_err_mean vs run
χ² / ndf 1.396e+36 / 77
p0 775.9 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 3.346e+08
Std Dev 3.346e+08
×10¹⁵
200
0
−200
−400
−600
−800
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

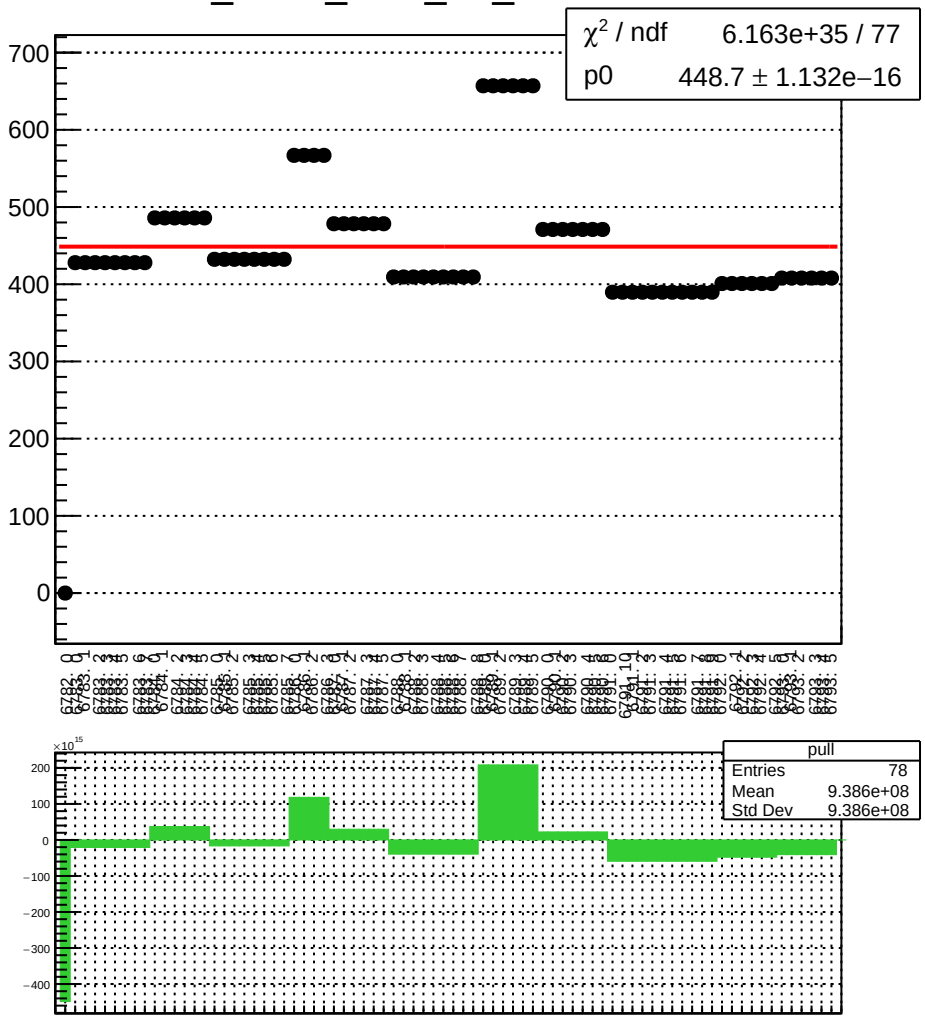

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

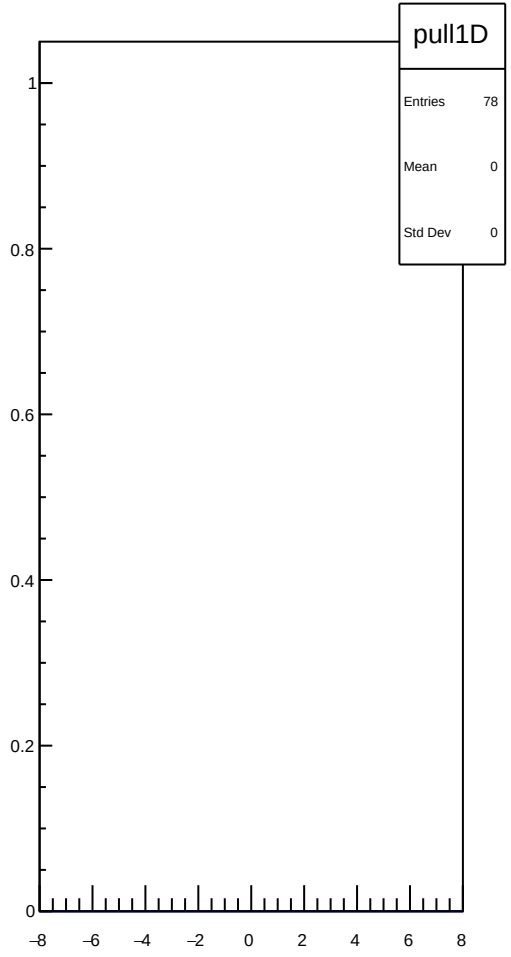

pull1D
Entries 78
Mean 0
Std Dev 0

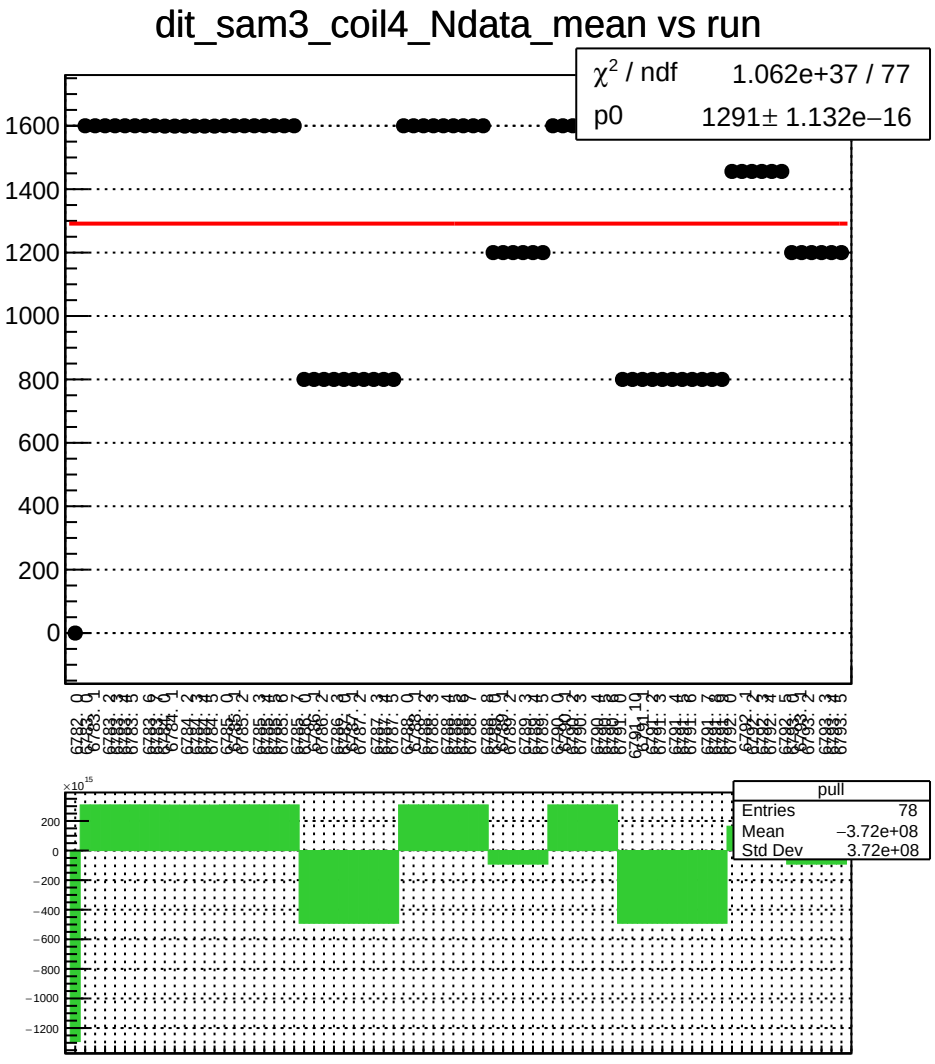

dit_sam3_coil4_mean vs run
χ^2 / ndf 2.126e+37 / 77
p0 4118 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean 3.963e+08
Std Dev 3.963e+08
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

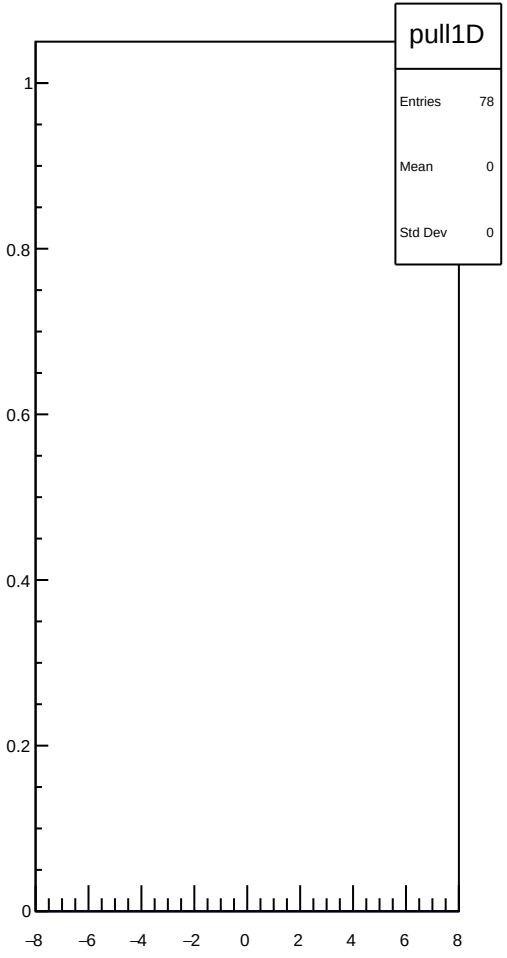

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

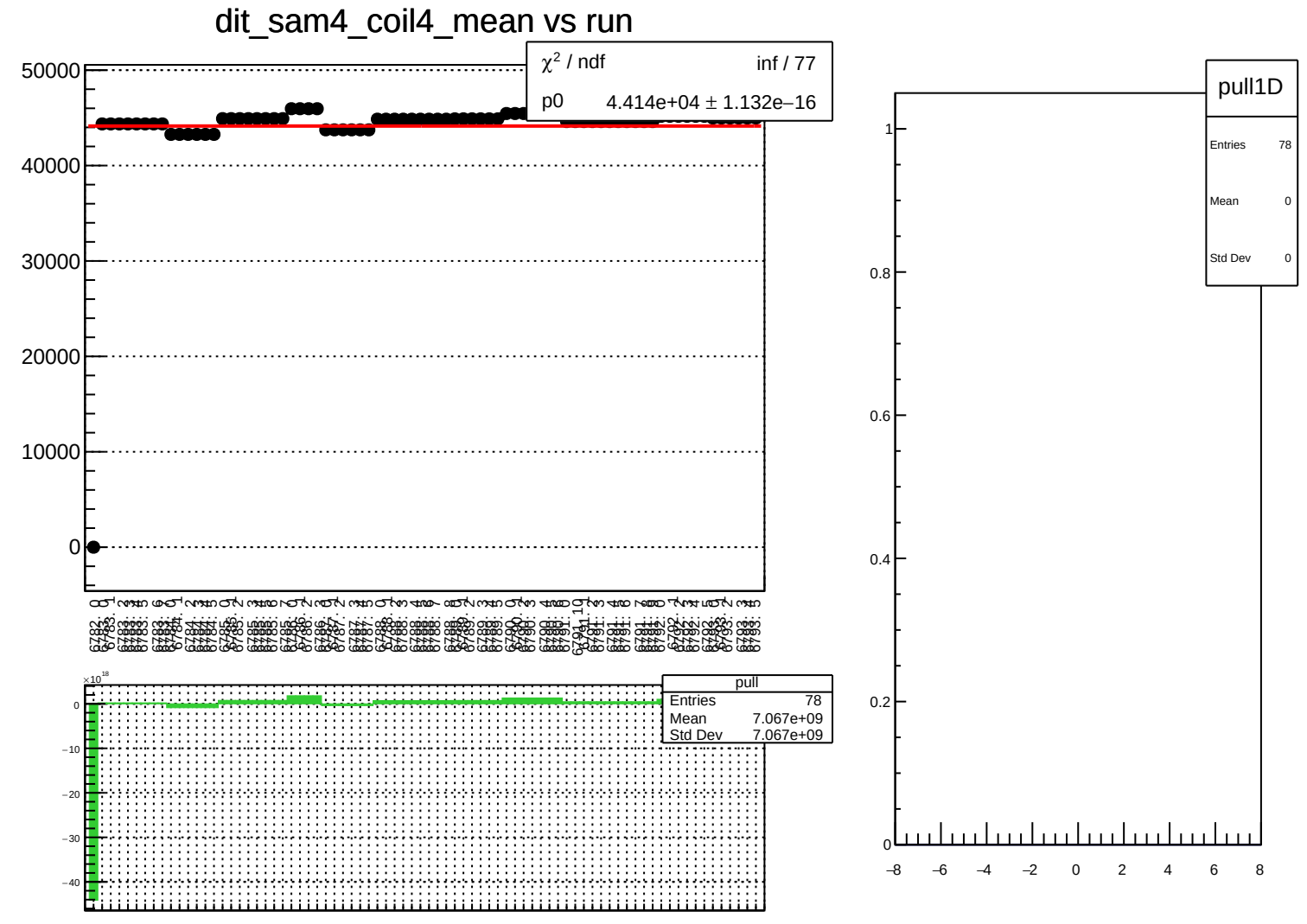
dit_sam3_coil4_err_mean vs run

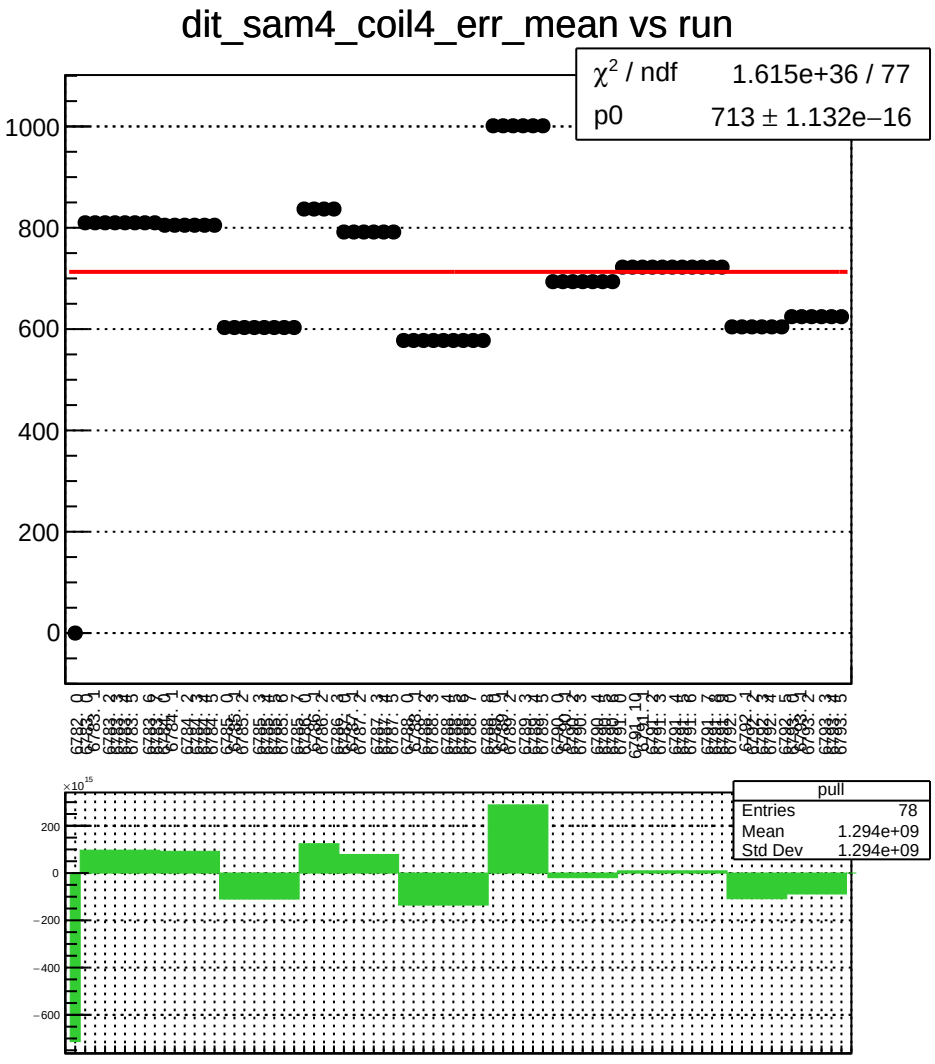


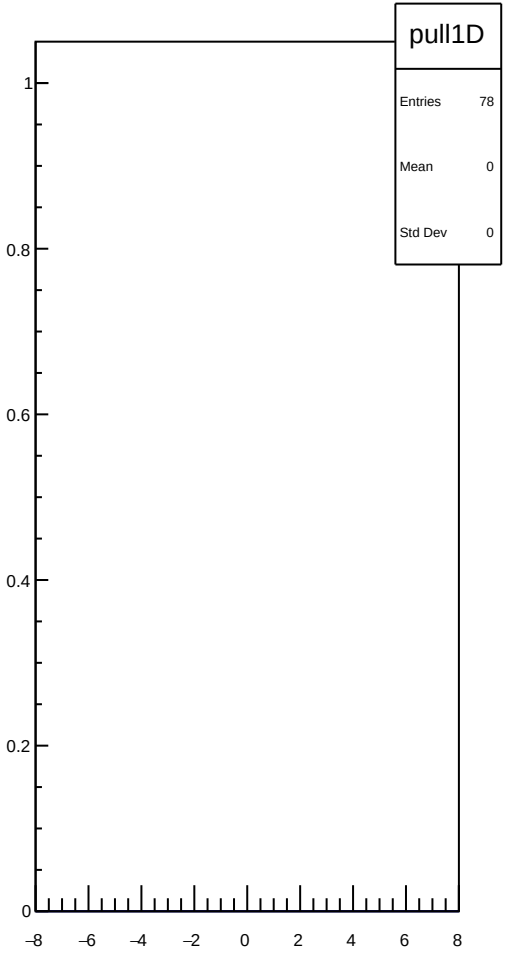


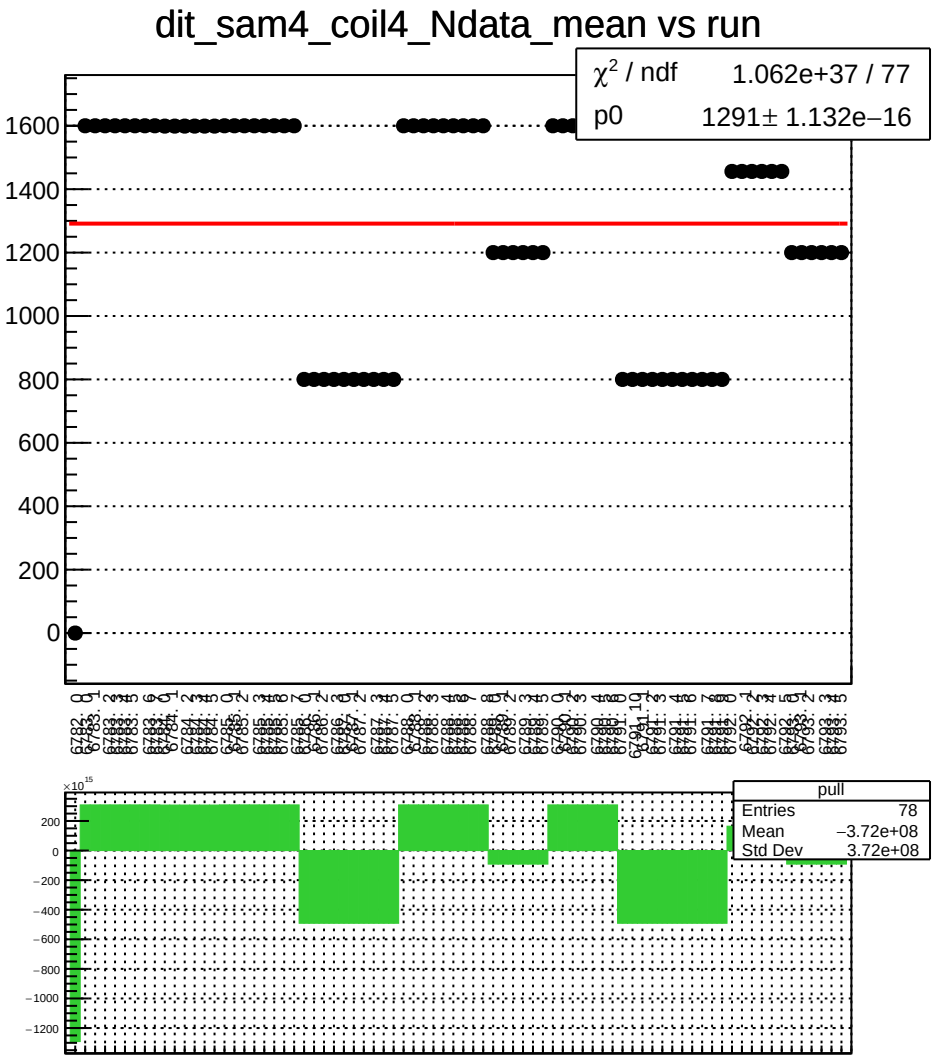

dit_sam3_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

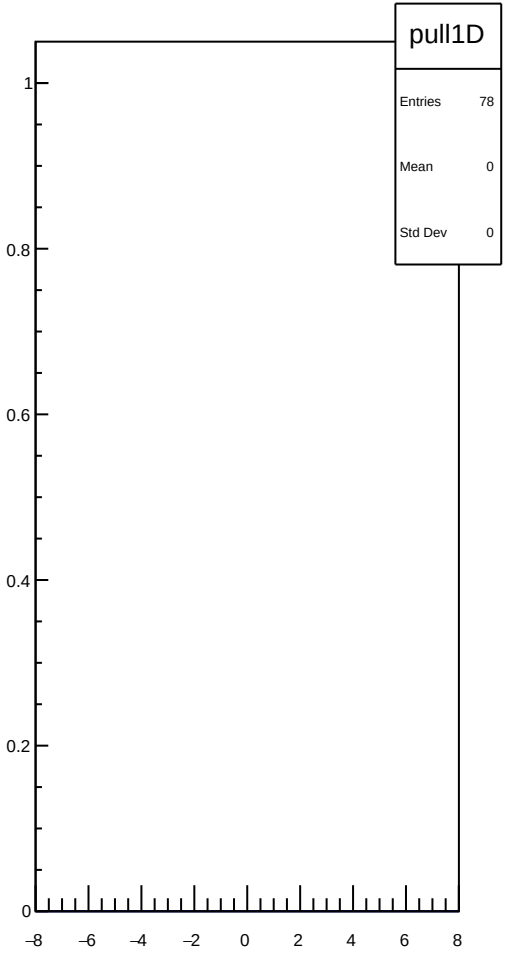

pull1D
Entries 78
Mean 0
Std Dev 0

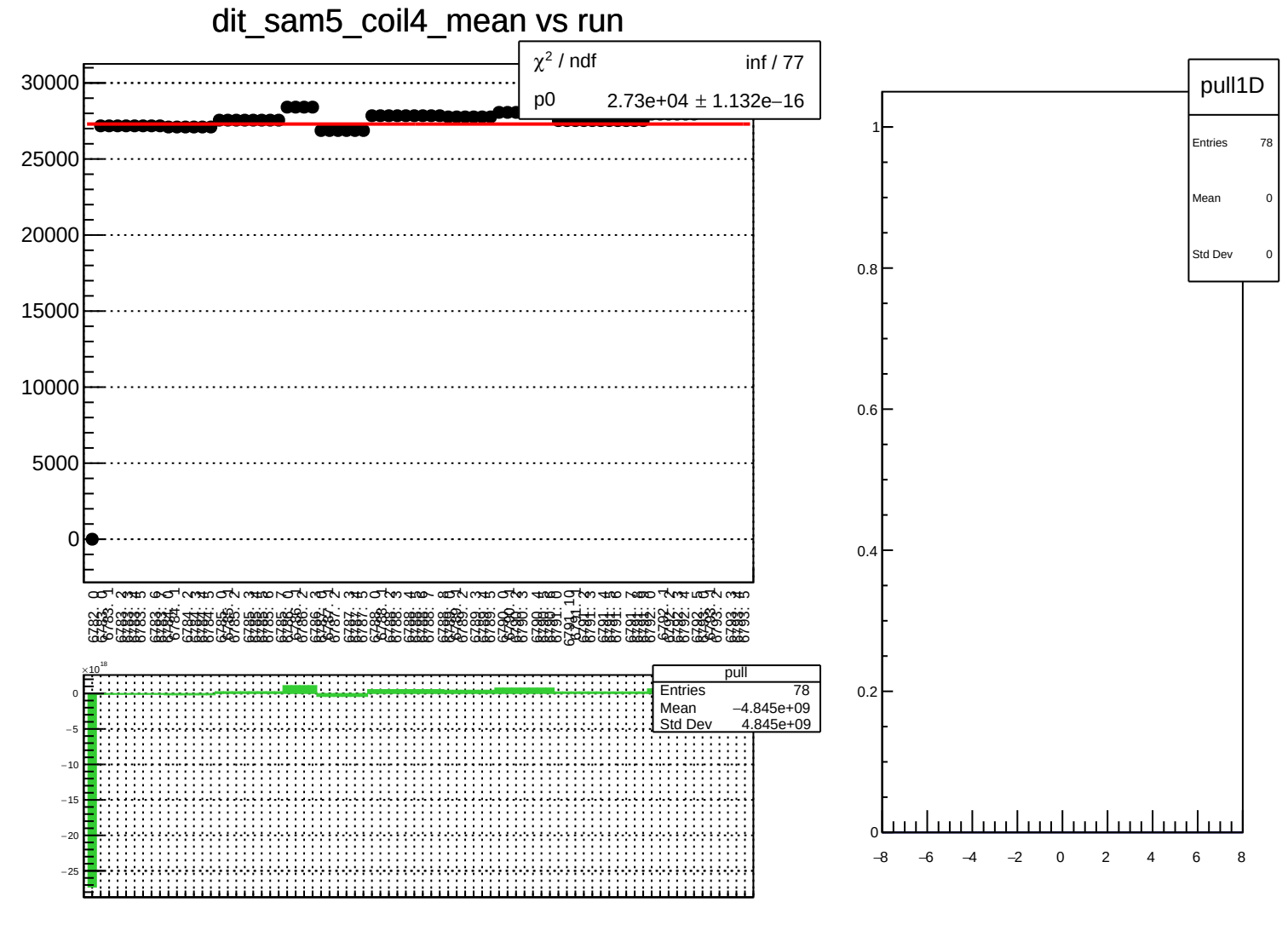

dit_sam4_coil4_mean vs run
χ² / ndf inf / 77
p0 4.414e+04 ± 1.132e−16
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 7.067e+09
Std Dev 7.067e+09
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

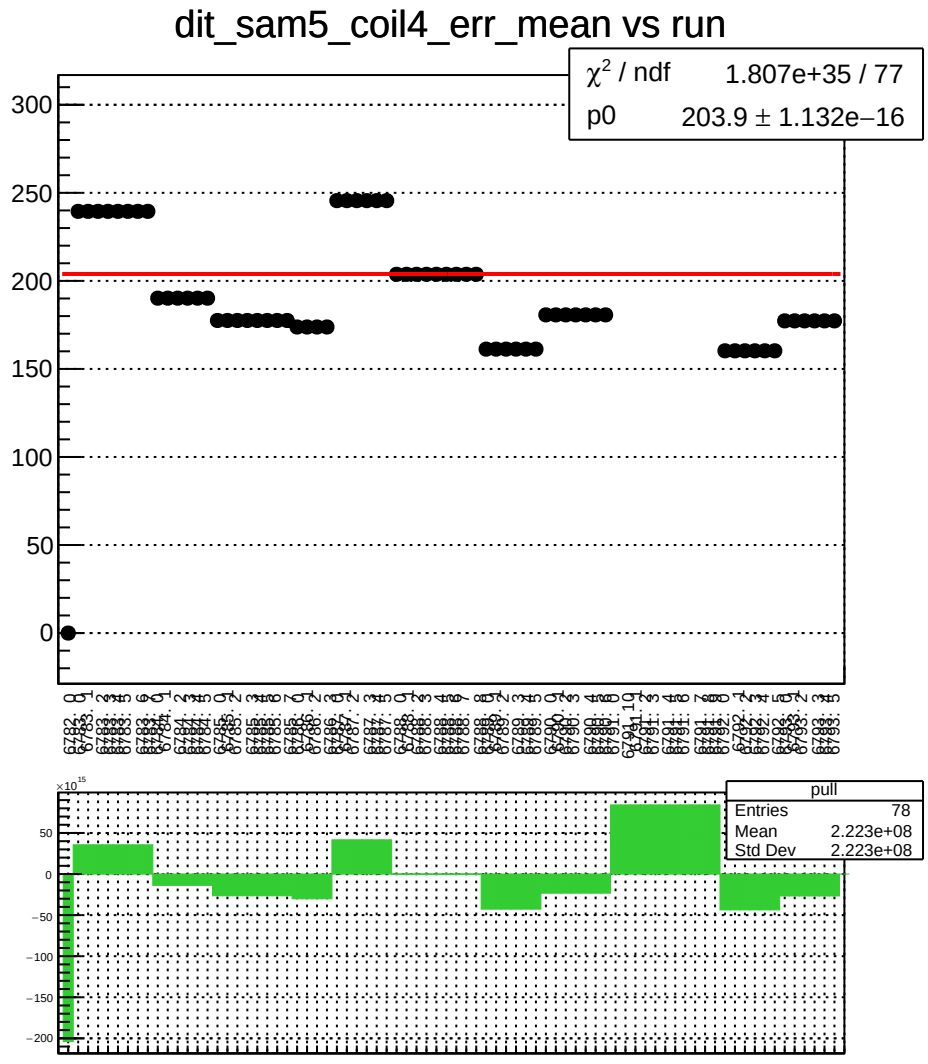

dit_sam4_coil4_err_mean vs run
χ^2 / ndf 1.615e+36 / 77
p0 713 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 1.294e+09
Std Dev 1.294e+09
×10^15
200
0
−200
−400
−600

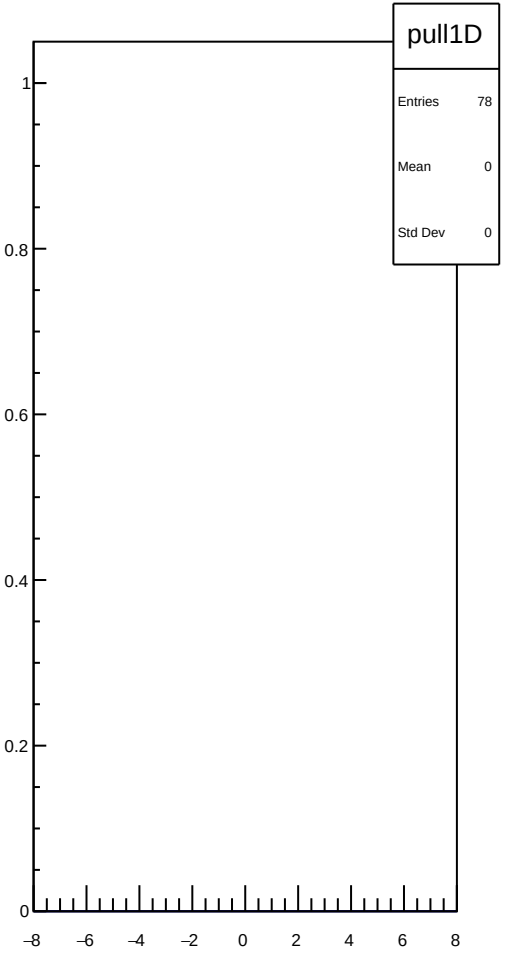

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

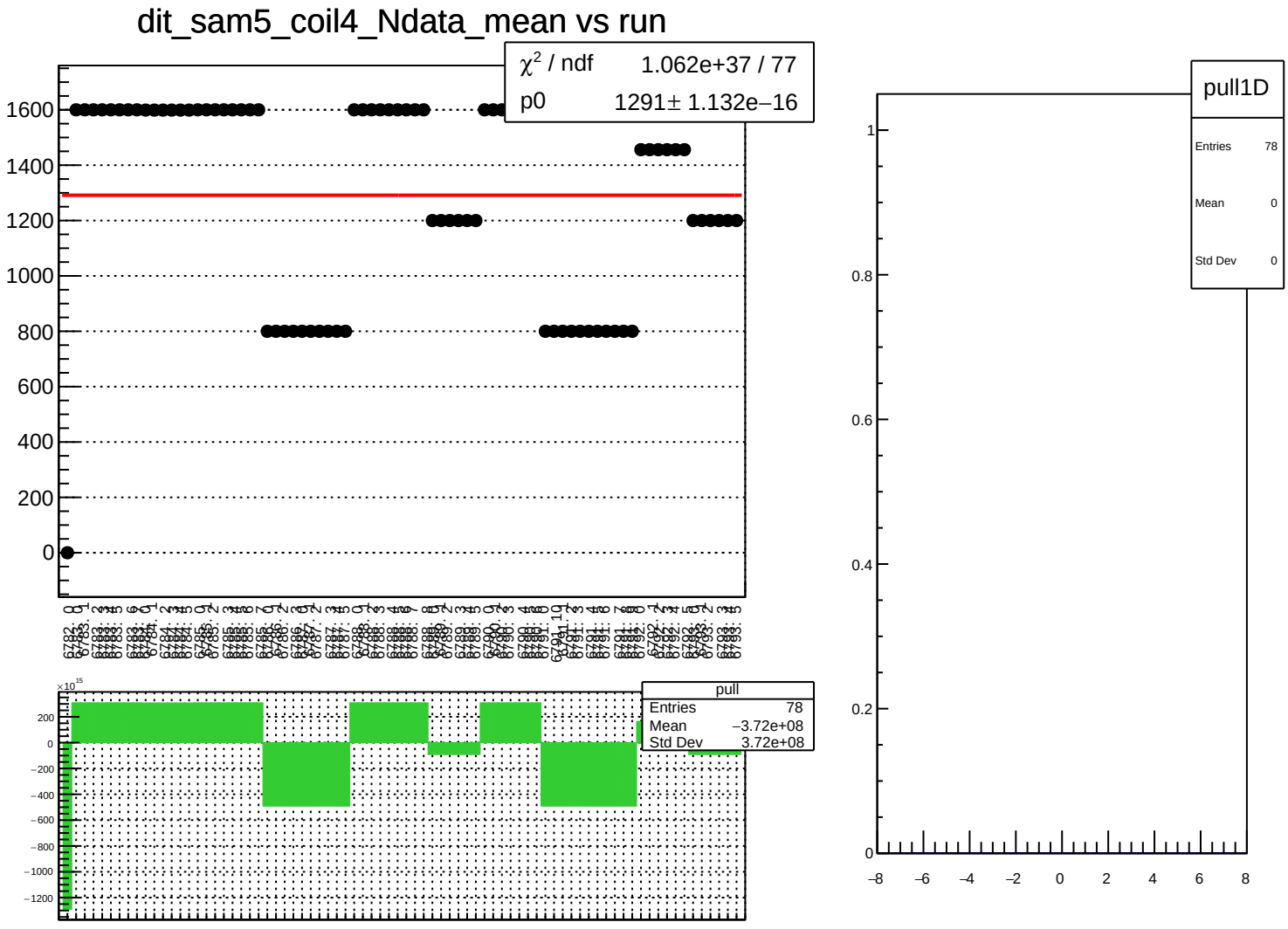

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

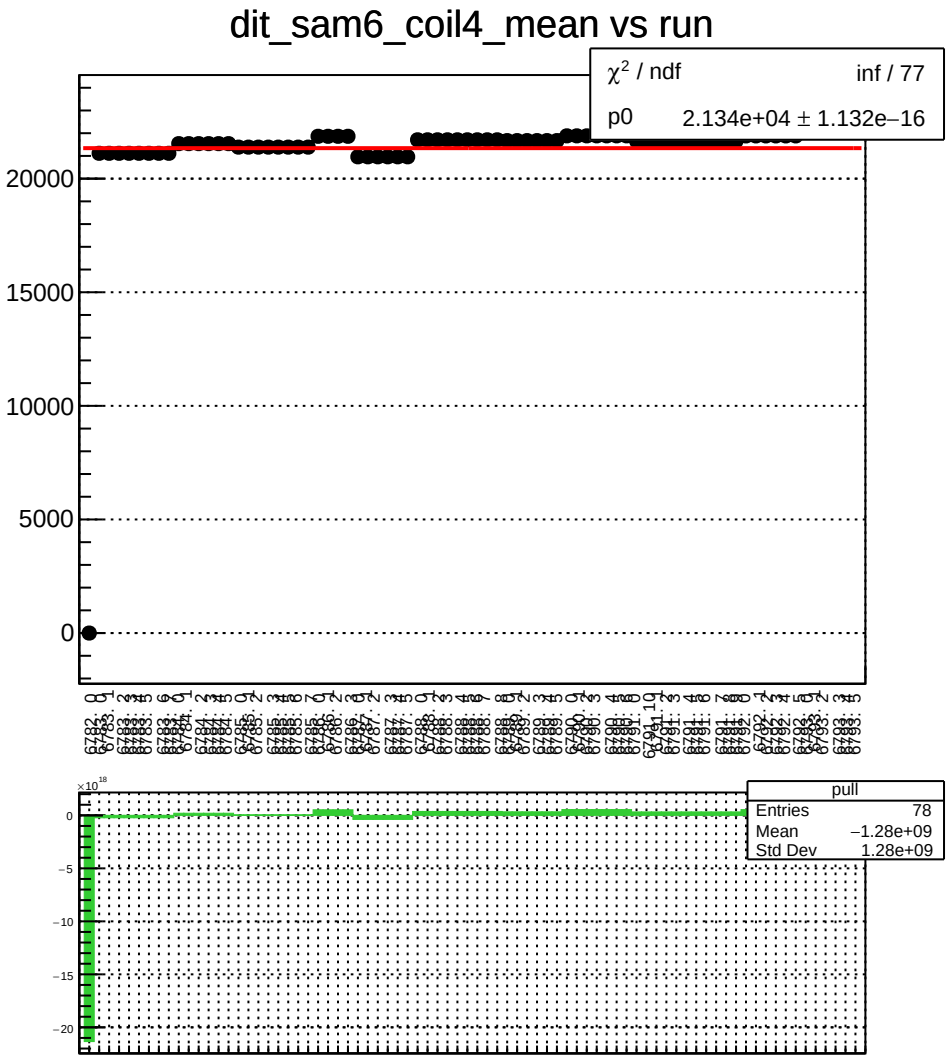

pull1D
Entries 78
Mean 0
Std Dev 0

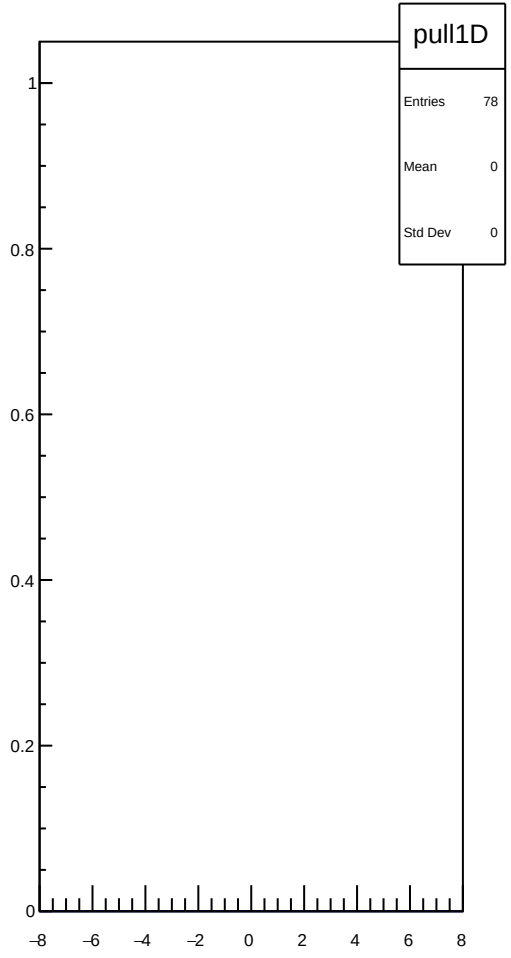

dit_sam5_coil4_mean vs run
χ² / ndf inf / 77
p0 2.73e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −4.845e+09
Std Dev 4.845e+09
×10¹⁸
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

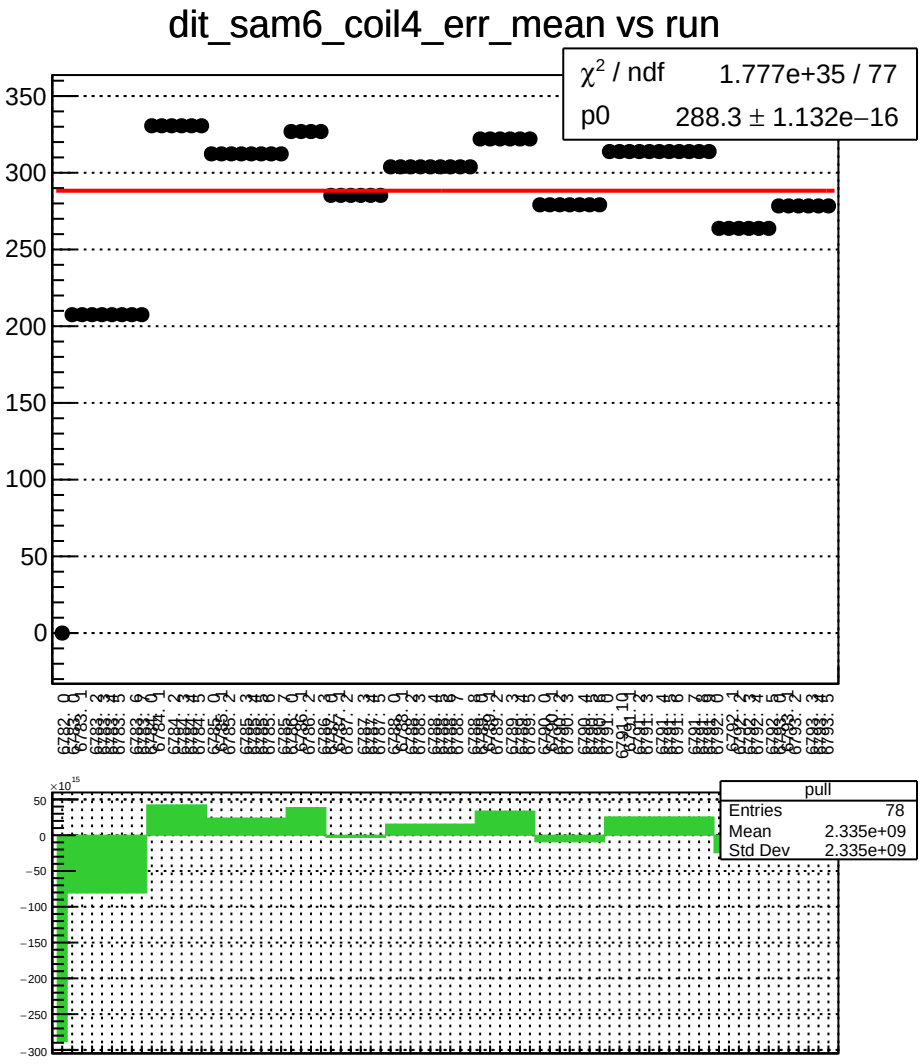

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.807e+35 / 77
p0 203.9 ± 1.132e−16
pull
Entries 78
Mean 2.223e+08
Std Dev 2.223e+08

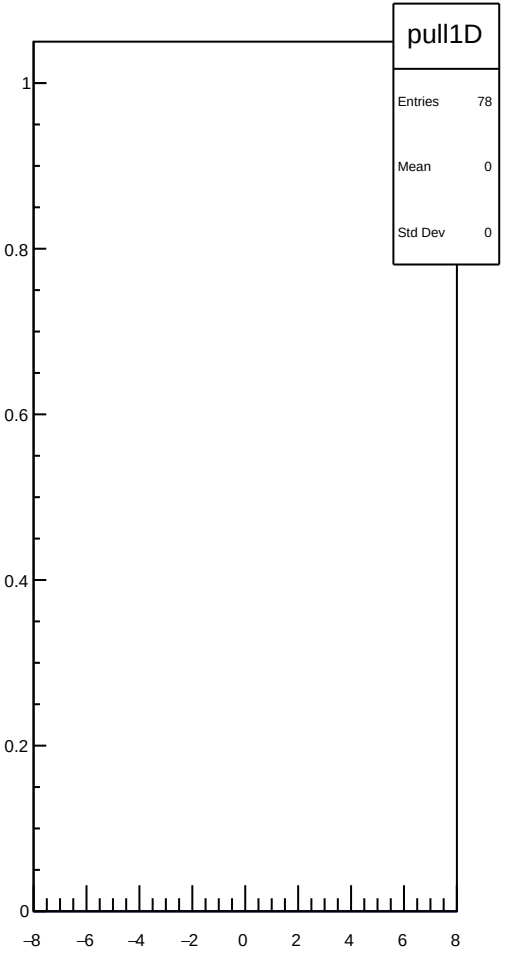

pull1D
Entries 78
Mean 0
Std Dev 0

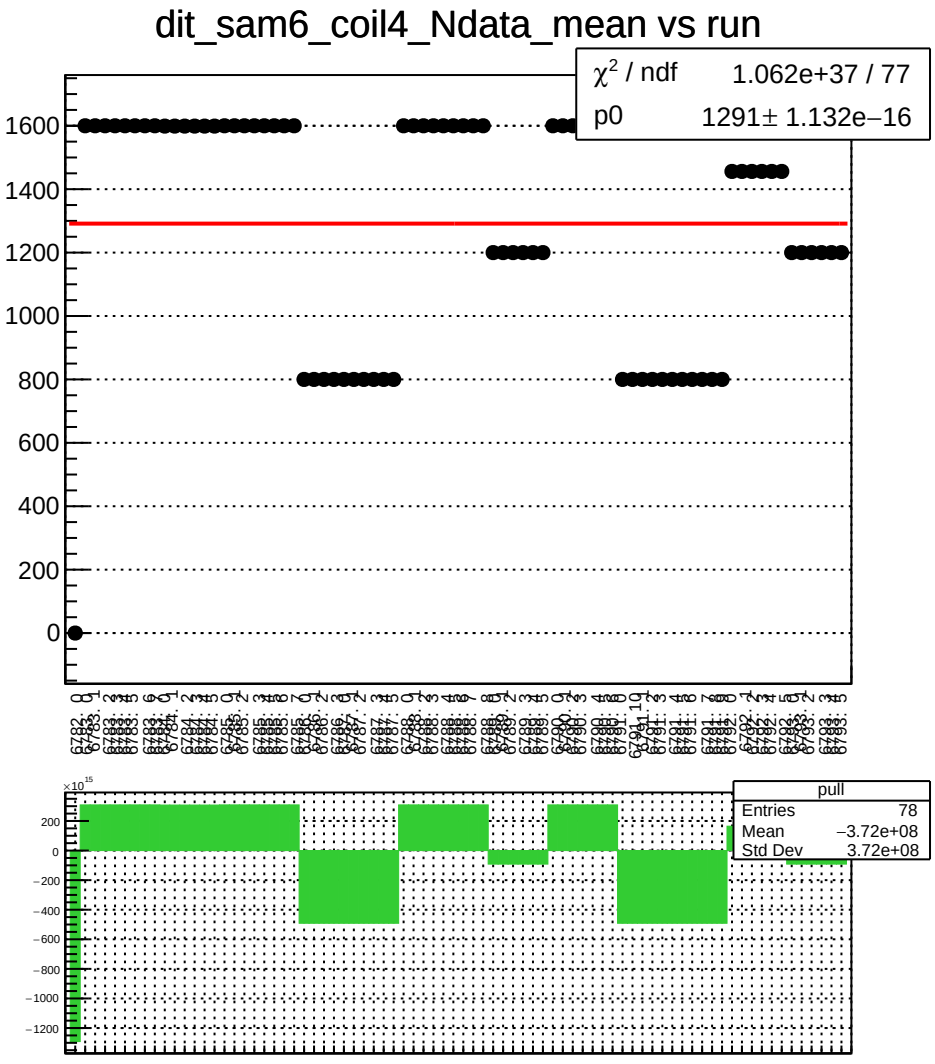

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

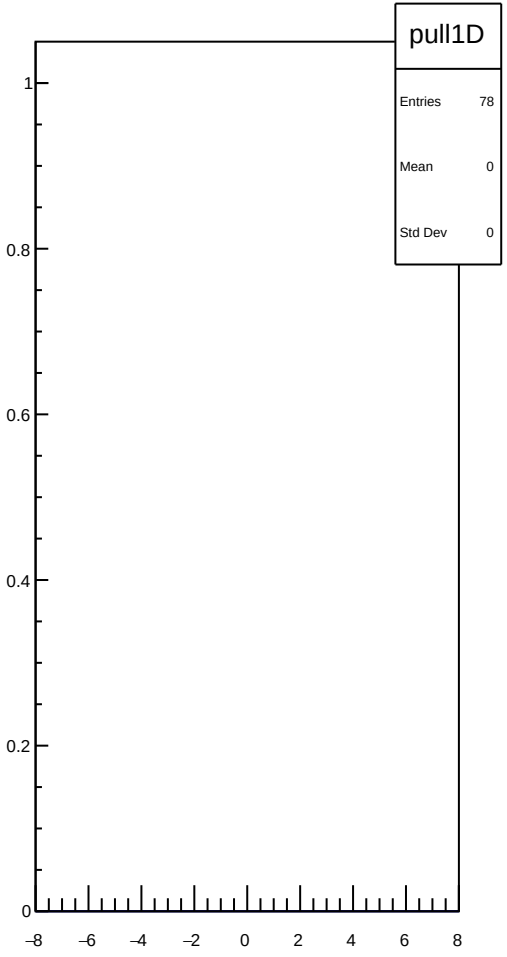

dit_sam6_coil4_mean vs run
χ² / ndf inf / 77
p0 2.134e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.28e+09
Std Dev 1.28e+09
×10^18
0
−5
−10
−15
−20

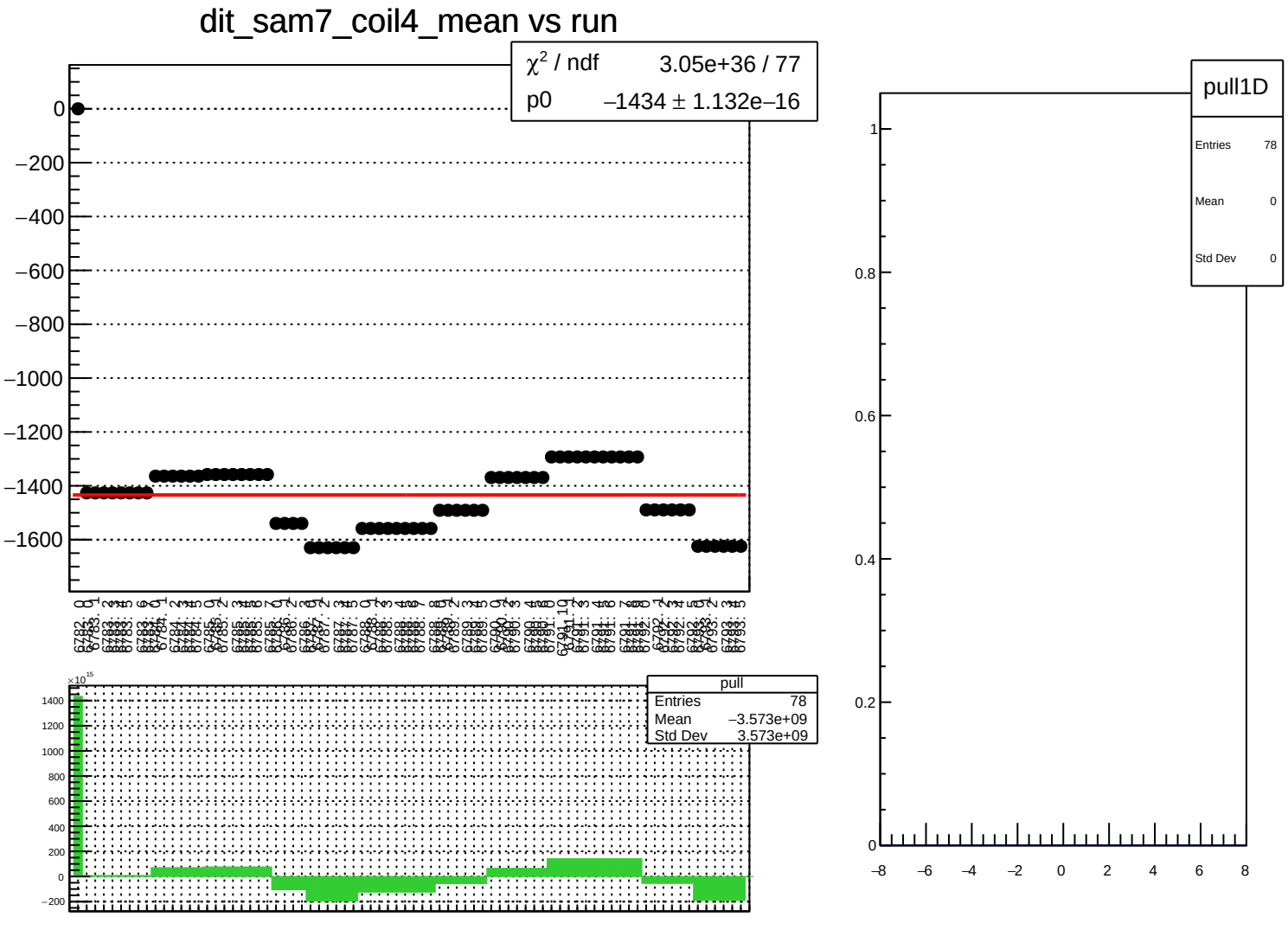

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_coil4_err_mean vs run
χ² / ndf 1.777e+35 / 77
p0 288.3 ± 1.132e−16
pull
Entries 78
Mean 2.335e+09
Std Dev 2.335e+09

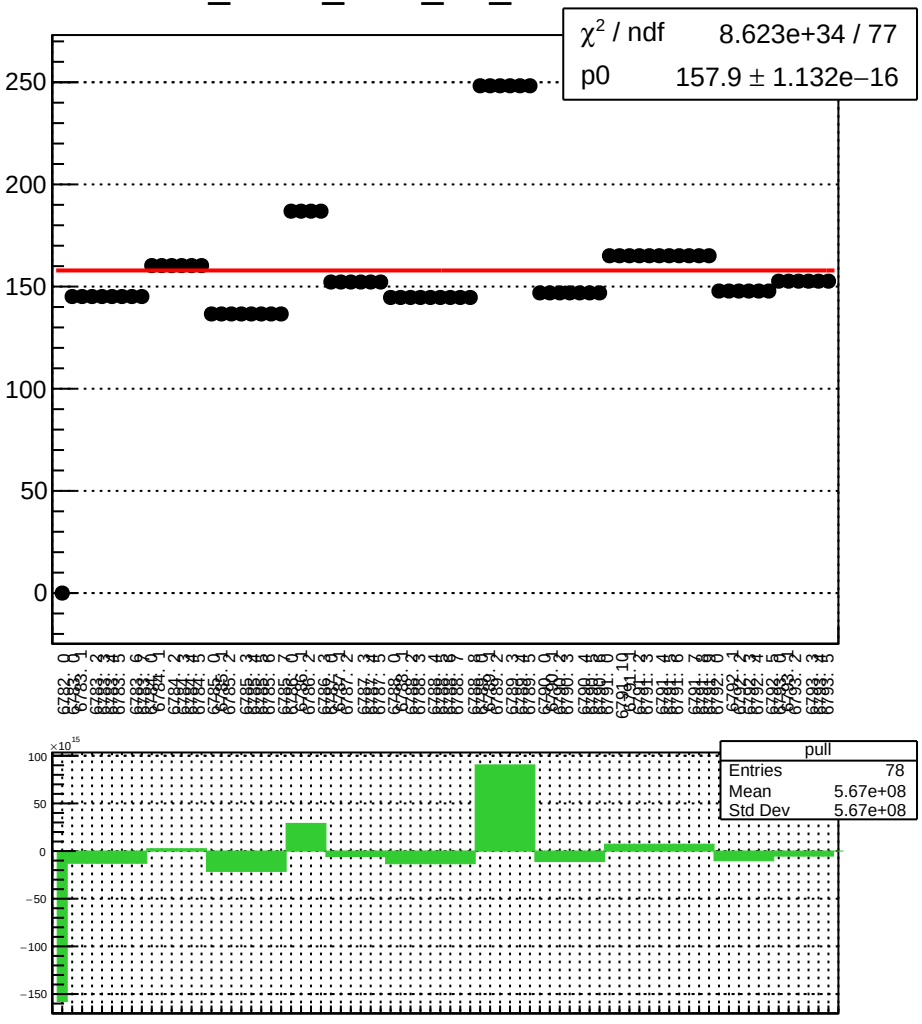

pull1D
Entries 78
Mean 0
Std Dev 0

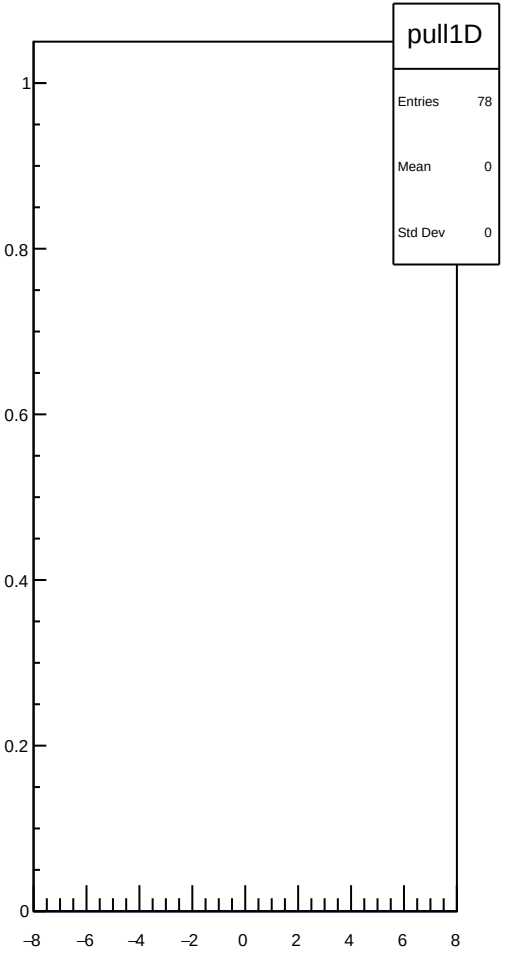

dit_sam6_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

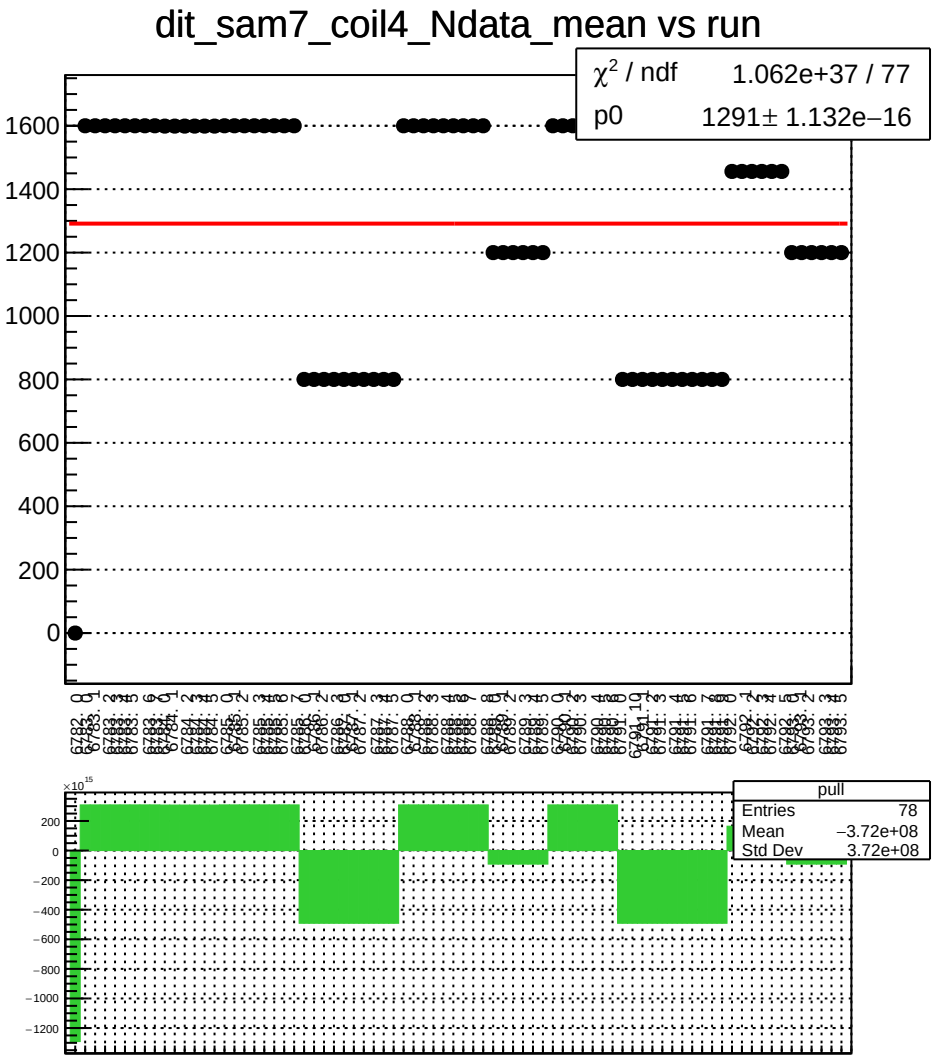

pull1D
Entries 78
Mean 0
Std Dev 0

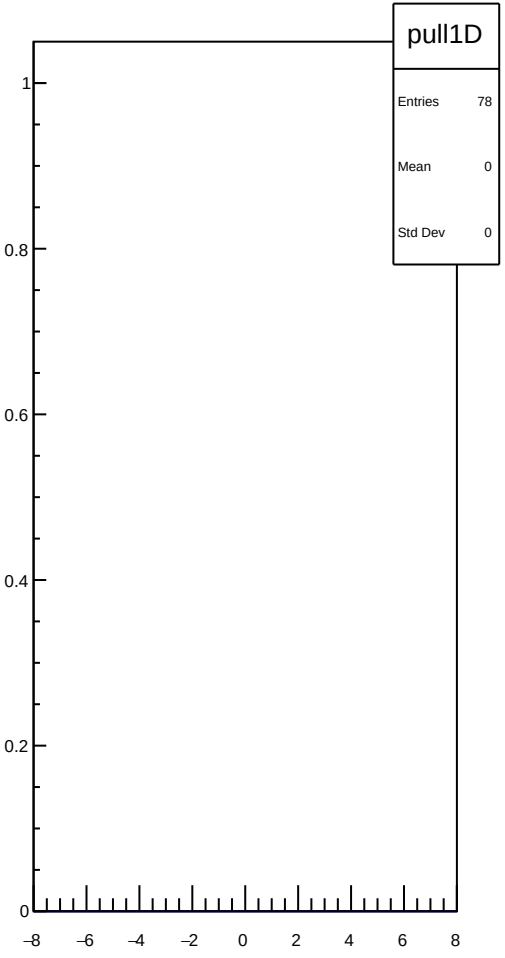

dit_sam7_coil4_mean vs run
χ² / ndf 3.05e+36 / 77
p0 −1434 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 78
Mean −3.573e+09
Std Dev 3.573e+09
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

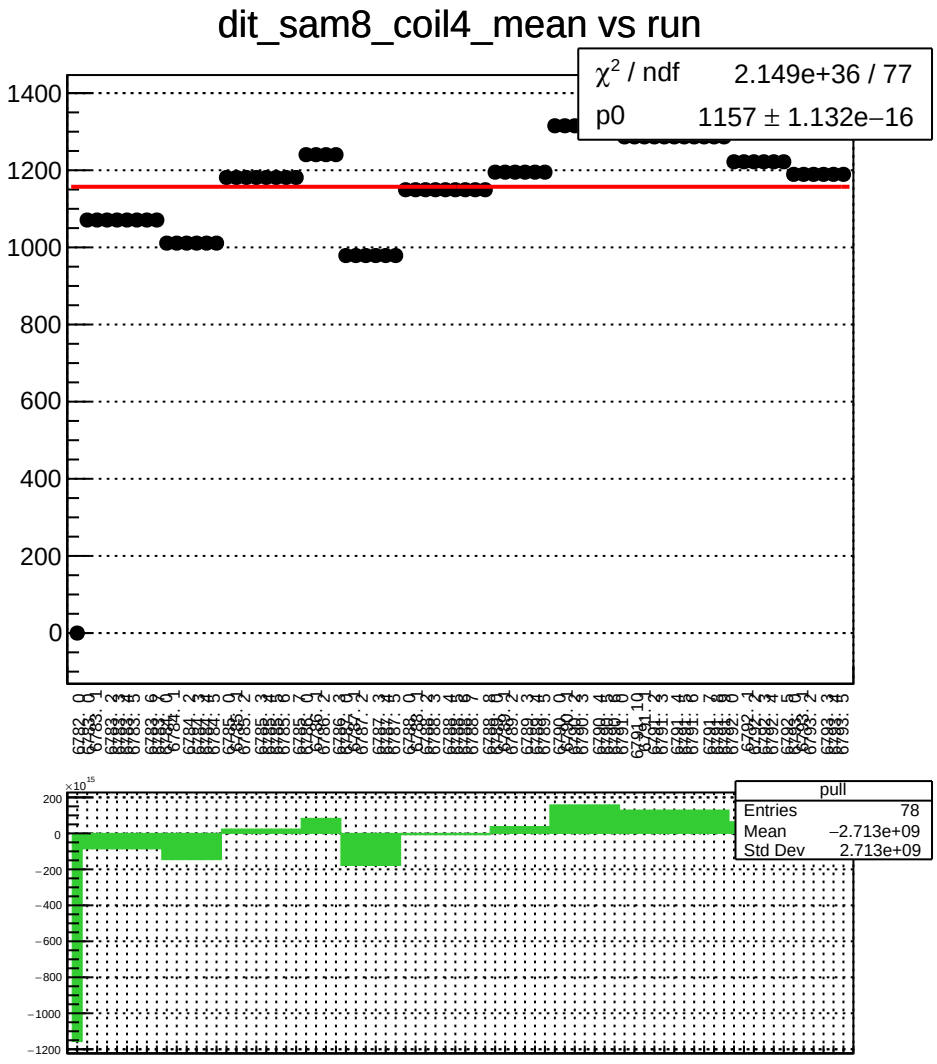
dit_sam7_coil4_err_mean vs run

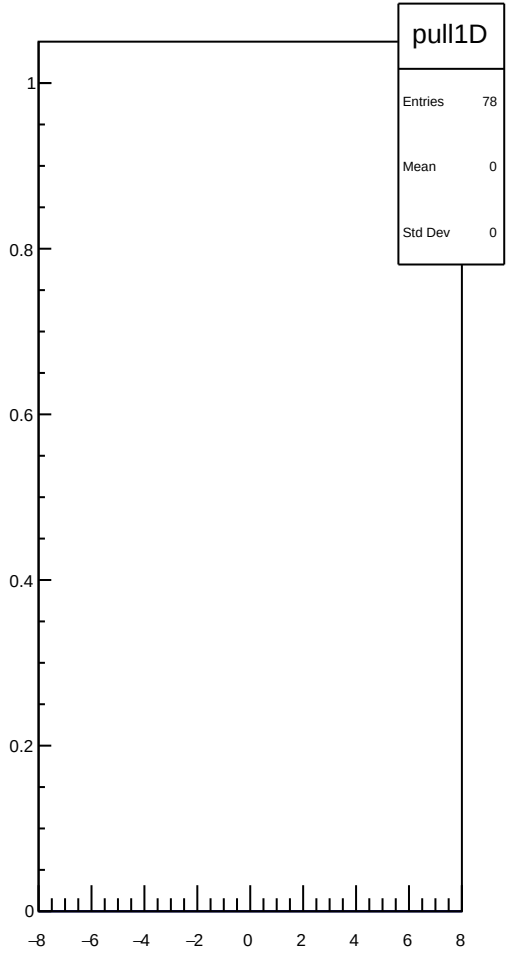


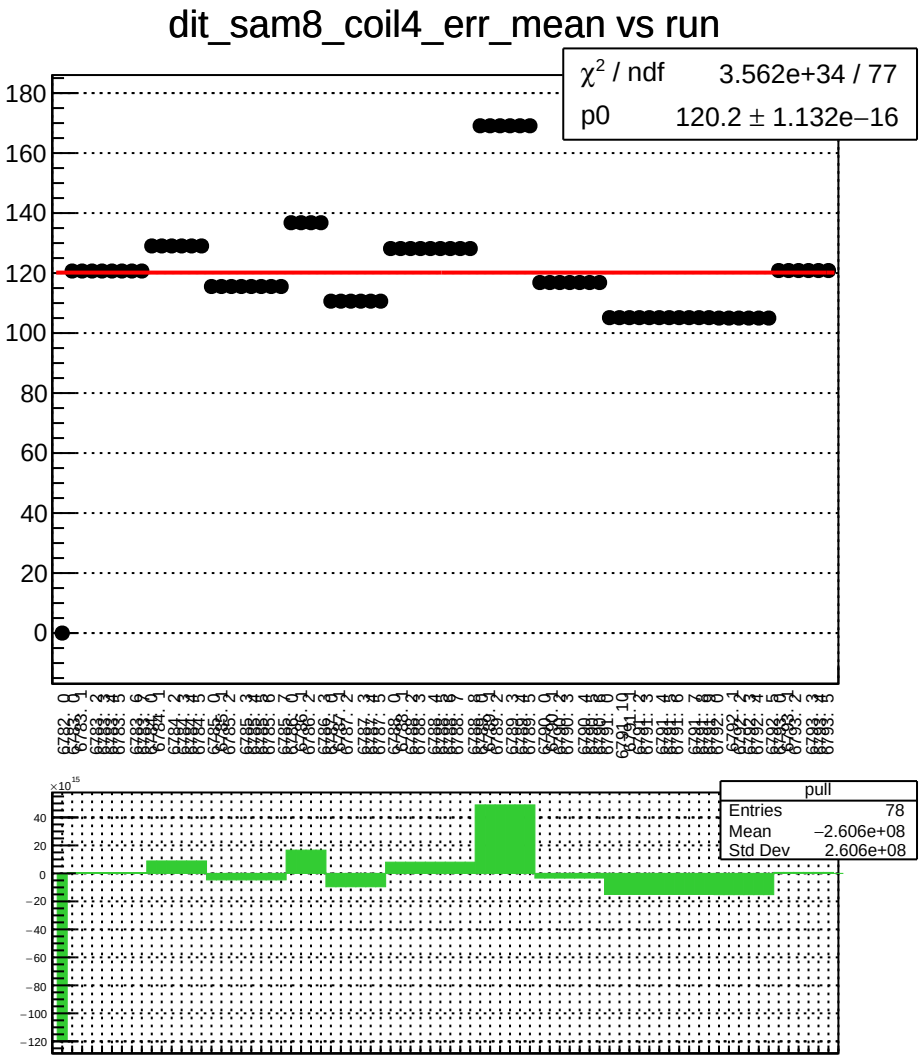


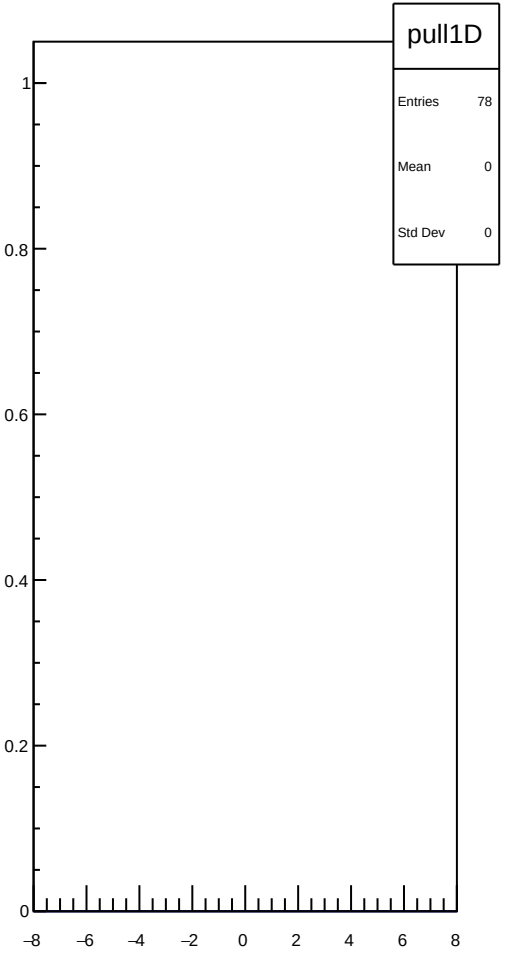

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

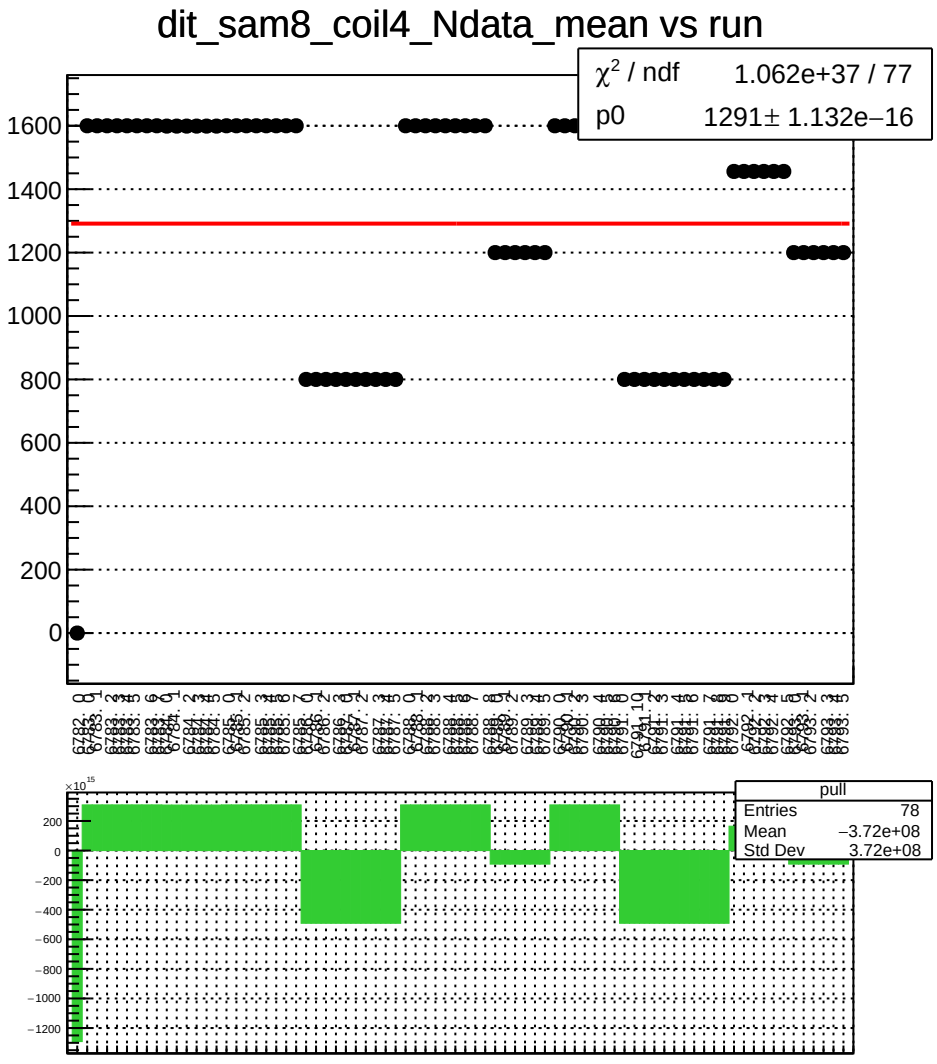

pull1D
Entries 78
Mean 0
Std Dev 0

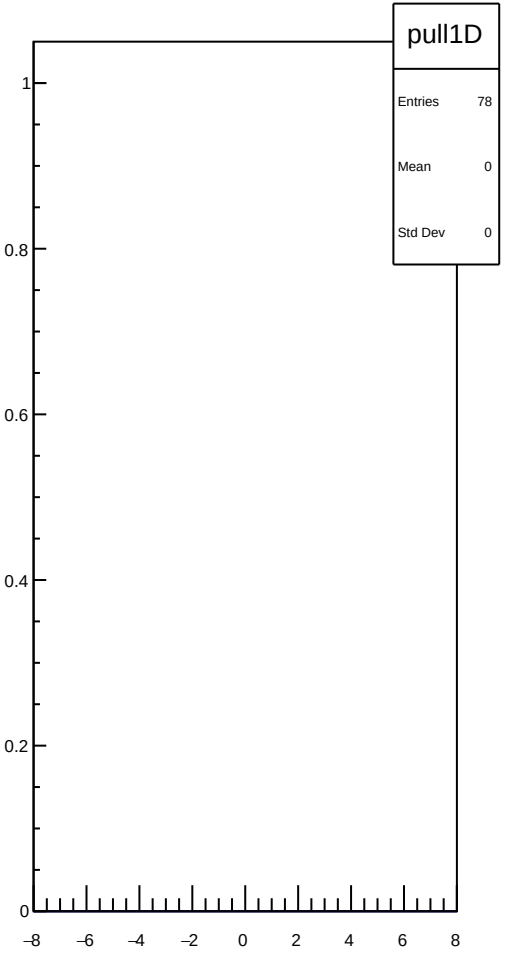

dit_sam8_coil4_mean vs run
χ^2 / ndf 2.149e+36 / 77
p0 1157 ± 1.132e−16
pull
Entries 78
Mean −2.713e+09
Std Dev 2.713e+09

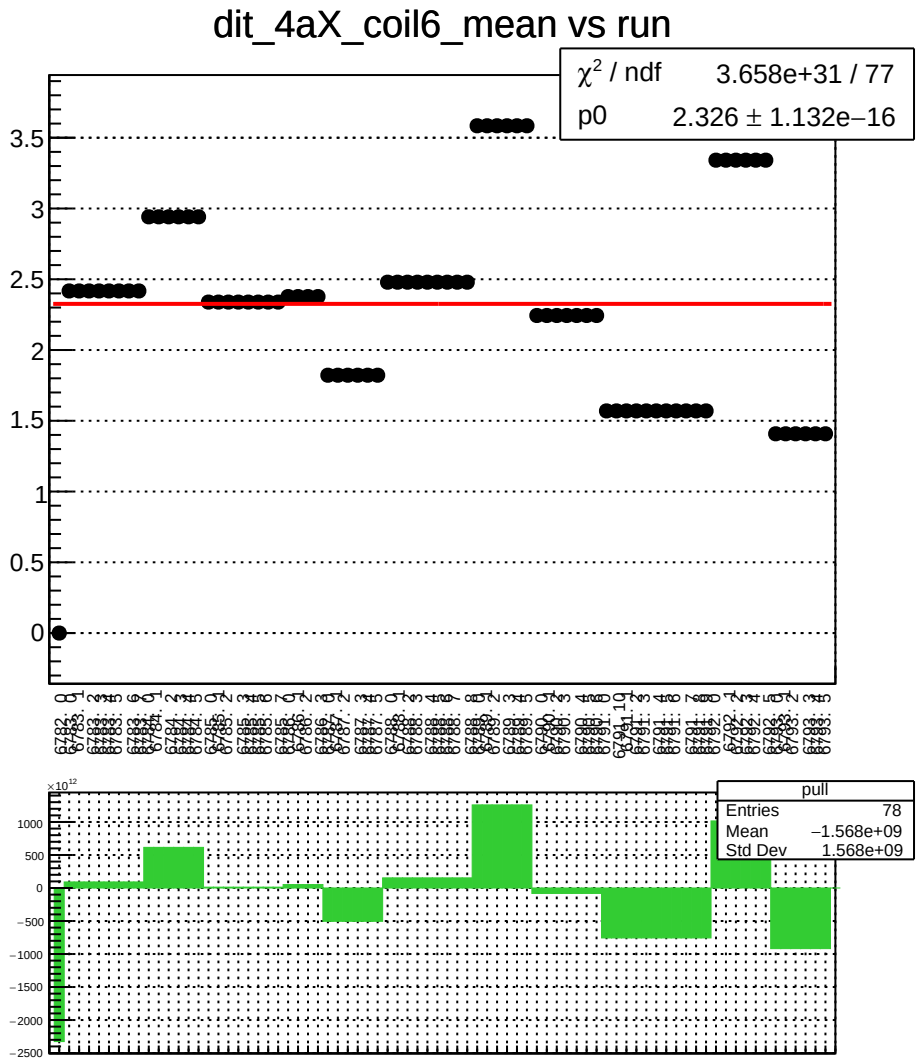

pull1D
Entries 78
Mean 0
Std Dev 0

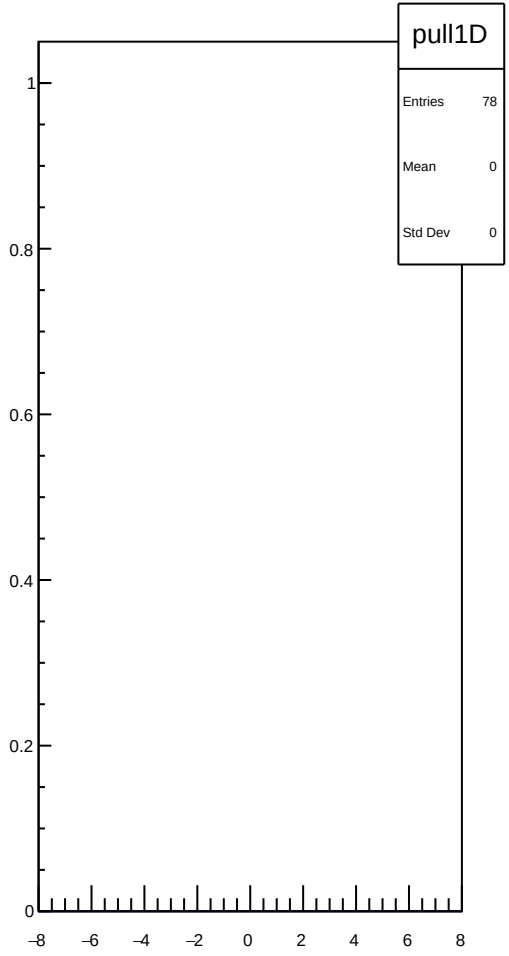

dit_sam8_coil4_err_mean vs run
χ² / ndf 3.562e+34 / 77
p0 120.2 ± 1.132e−16
pull
Entries 78
Mean −2.606e+08
Std Dev 2.606e+08

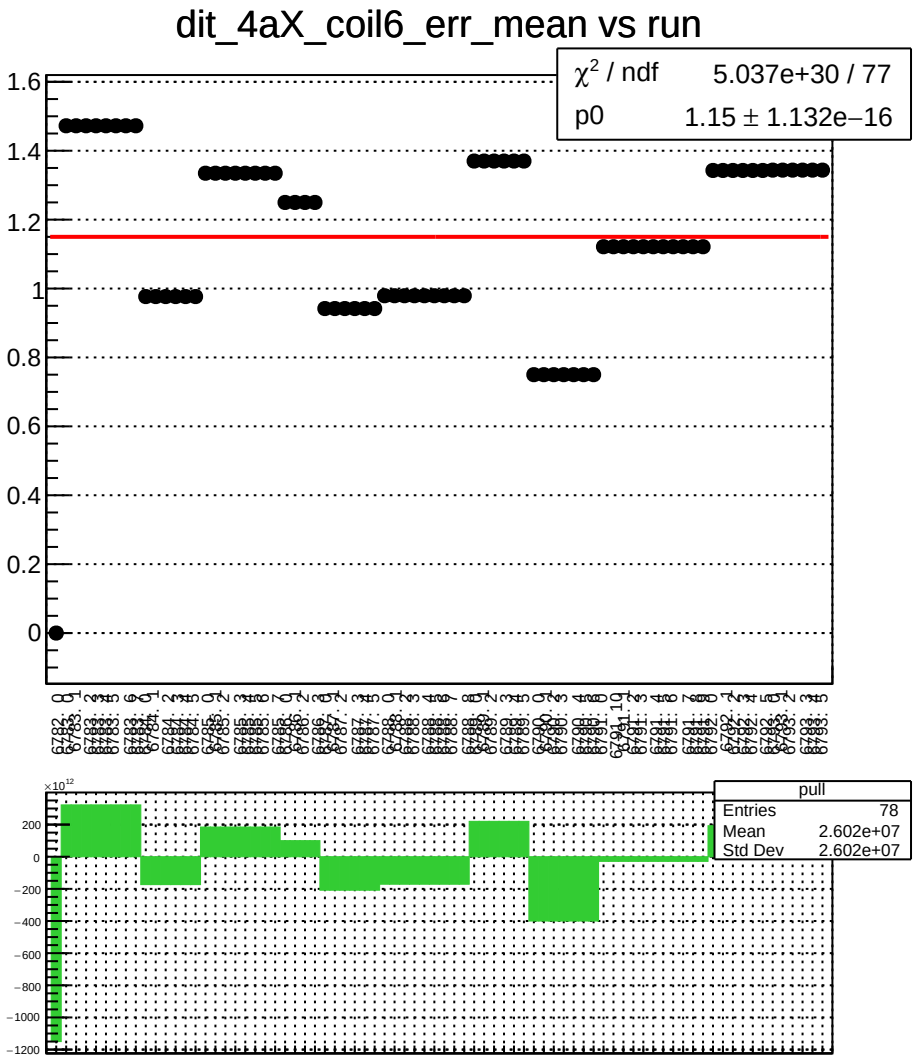

pull1D
Entries 78
Mean 0
Std Dev 0

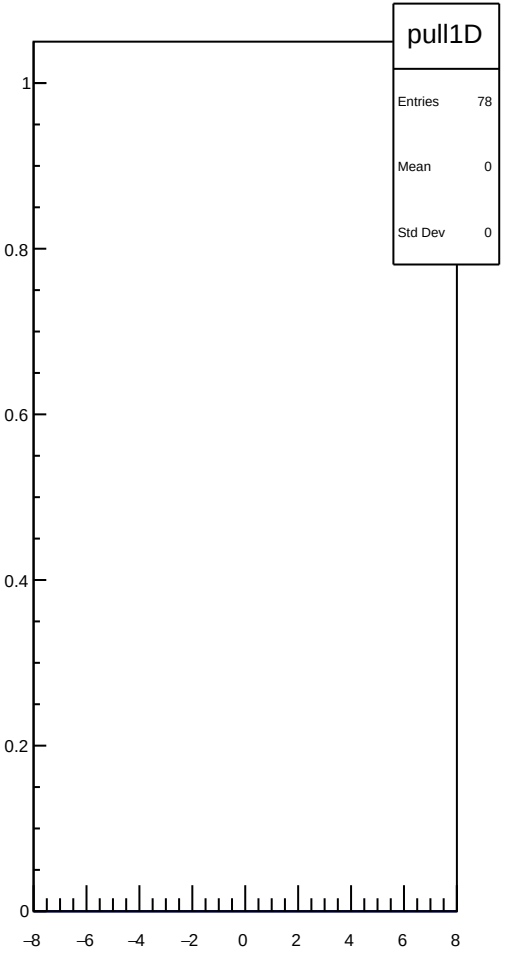

dit_sam8_coil4_Ndata_mean vs run
χ^2 / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08


pull1D
Entries 78
Mean 0
Std Dev 0

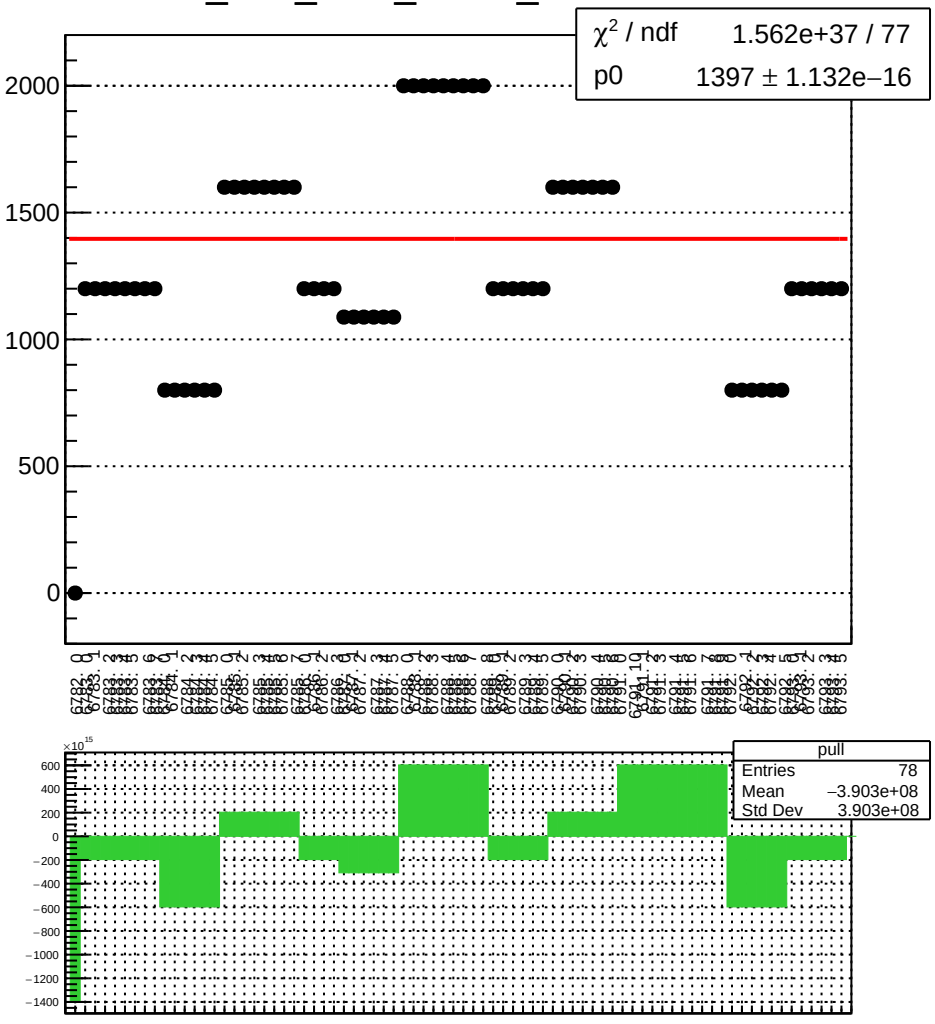

dit_4aX_coil6_mean vs run
χ^2 / ndf 3.658e+31 / 77
p0 2.326 ± 1.132e−16
pull
Entries 78
Mean −1.568e+09
Std Dev 1.568e+09

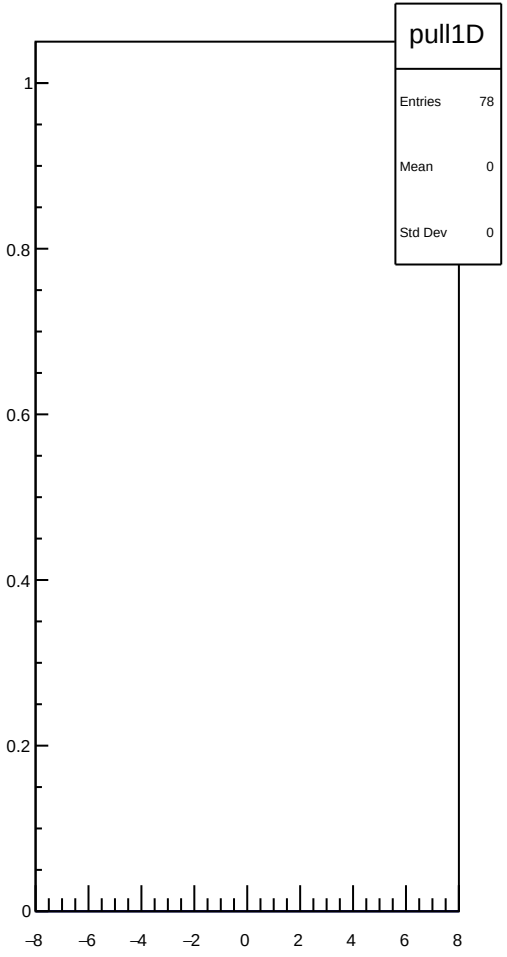

pull1D
Entries 78
Mean 0
Std Dev 0


dit_4aX_coil6_err_mean vs run
χ^2 / ndf 5.037e+30 / 77
p0 1.15 ± 1.132e−16
pull
Entries 78
Mean 2.602e+07
Std Dev 2.602e+07

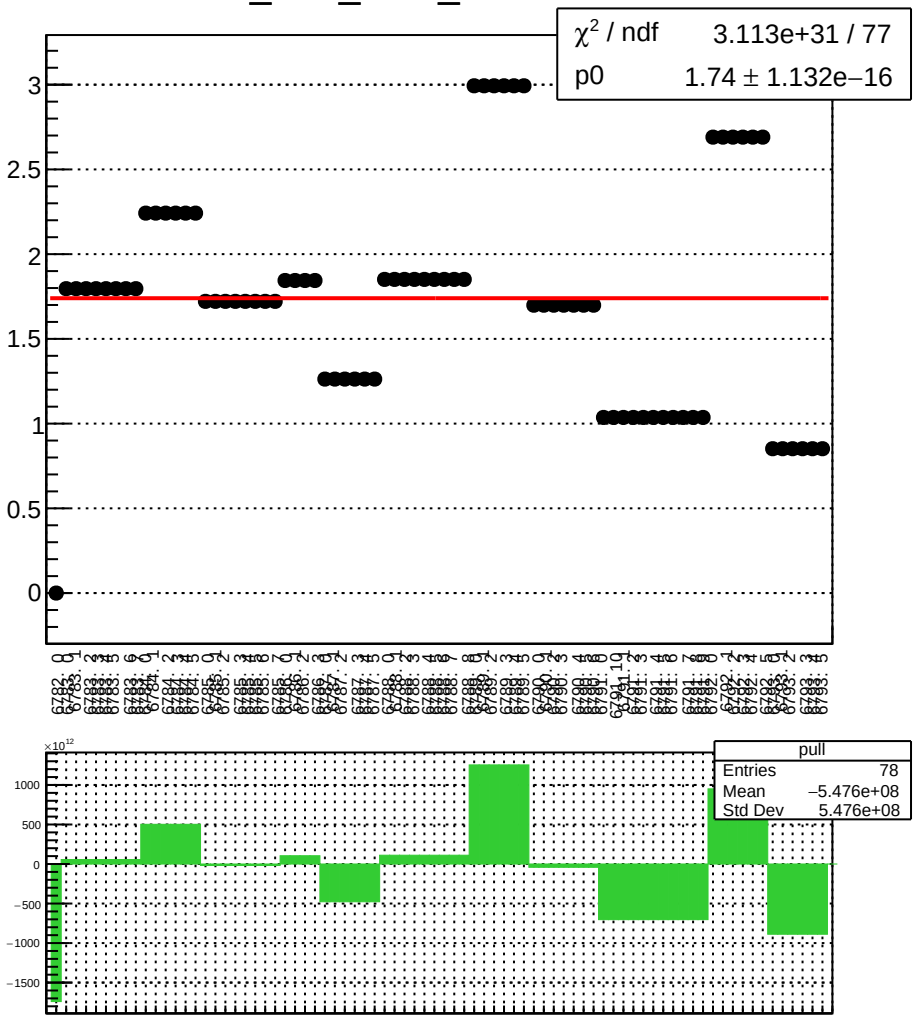

pull1D
Entries 78
Mean 0
Std Dev 0

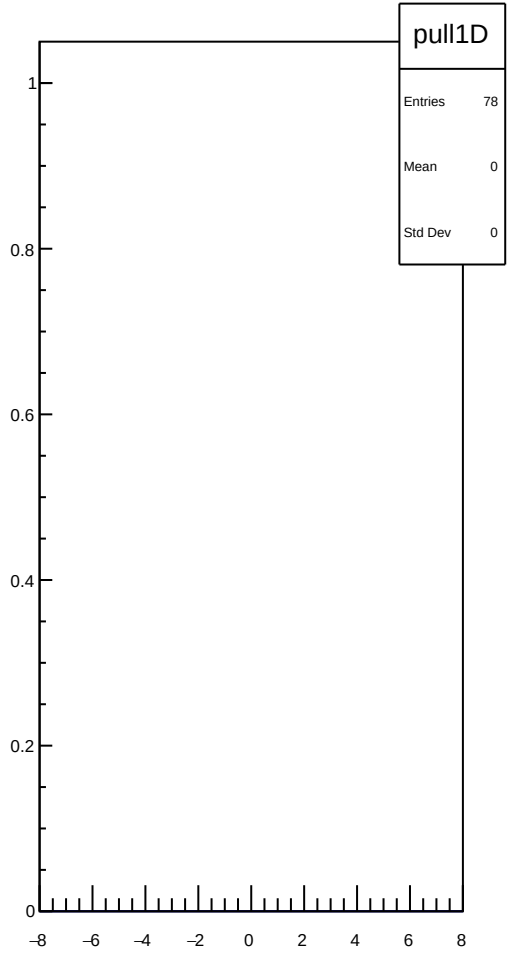
dit_4aX_coil6_Ndata_mean vs run



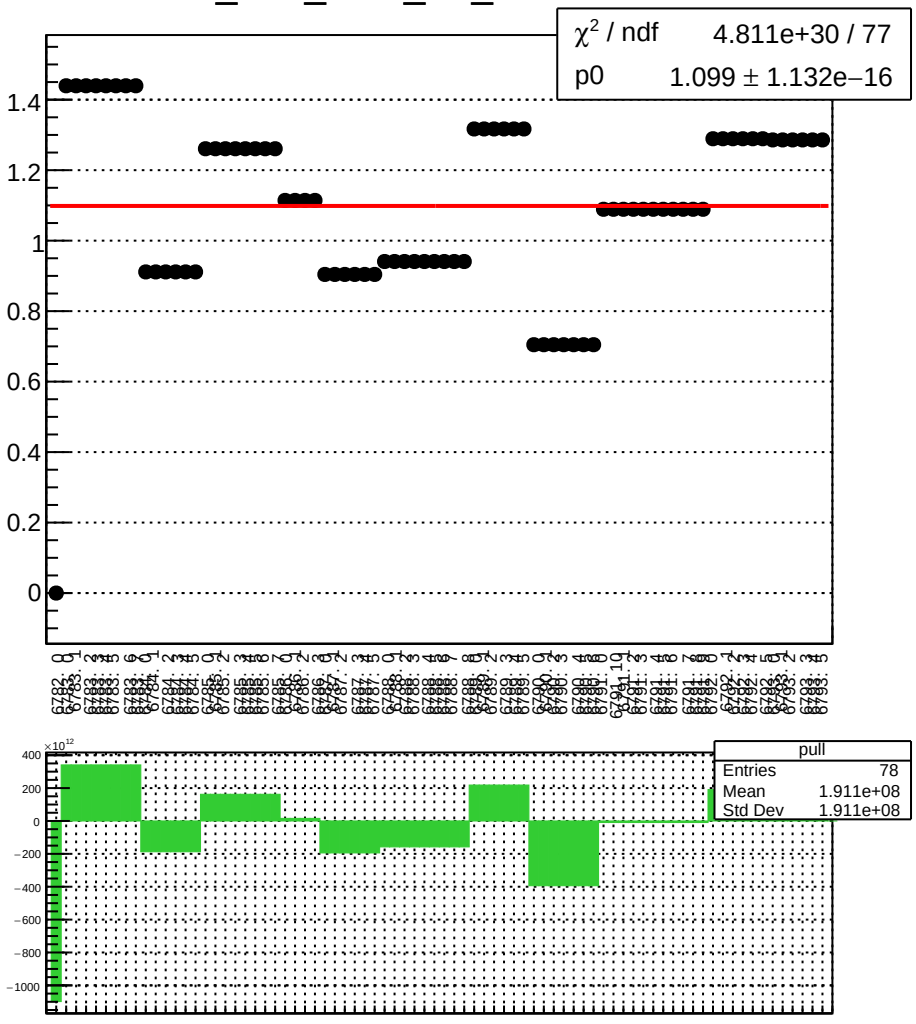


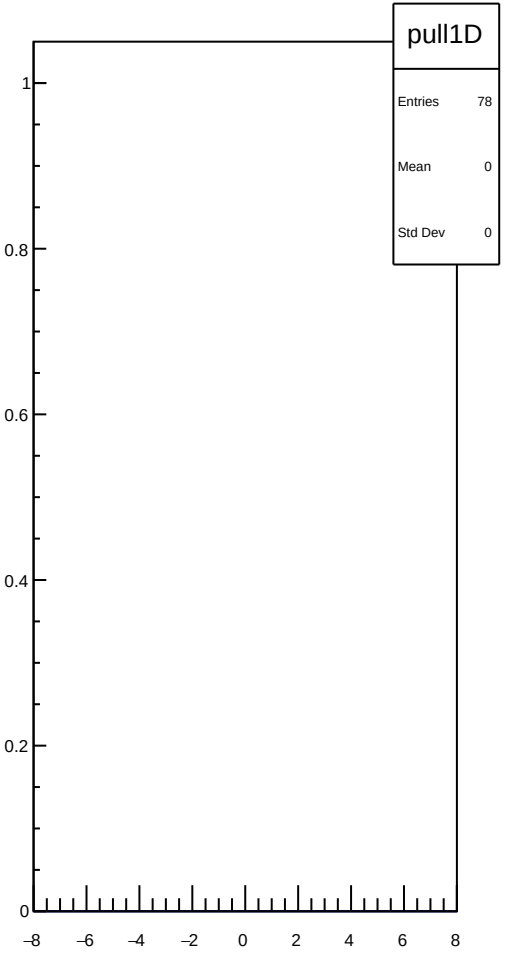
dit_4eX_coil6_mean vs run



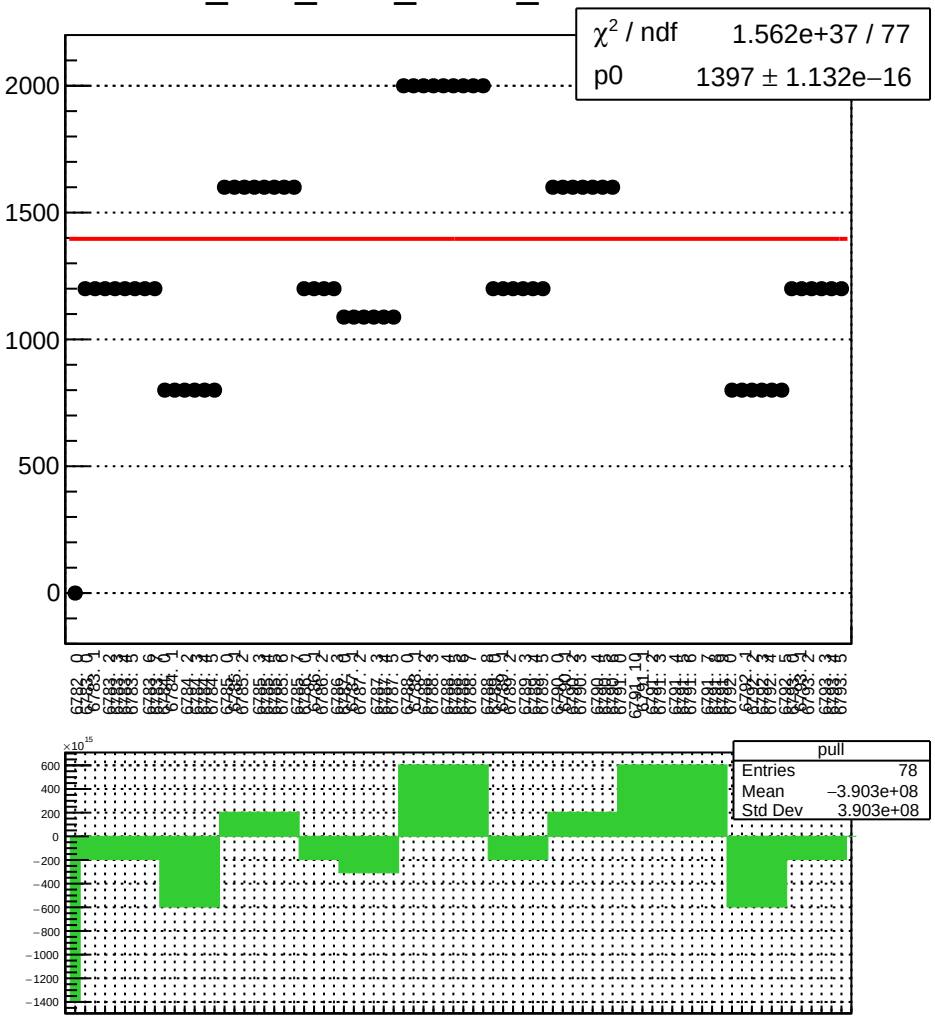


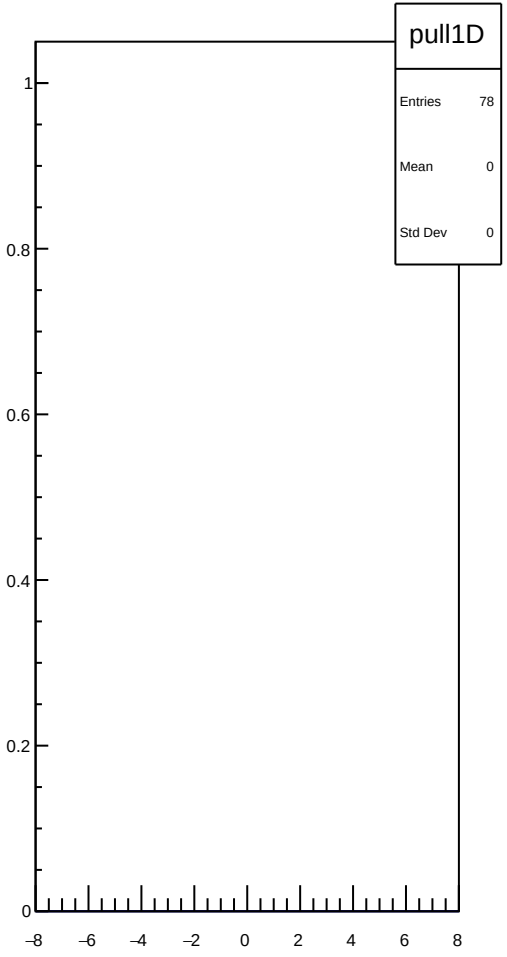
dit_4eX_coil6_err_mean vs run



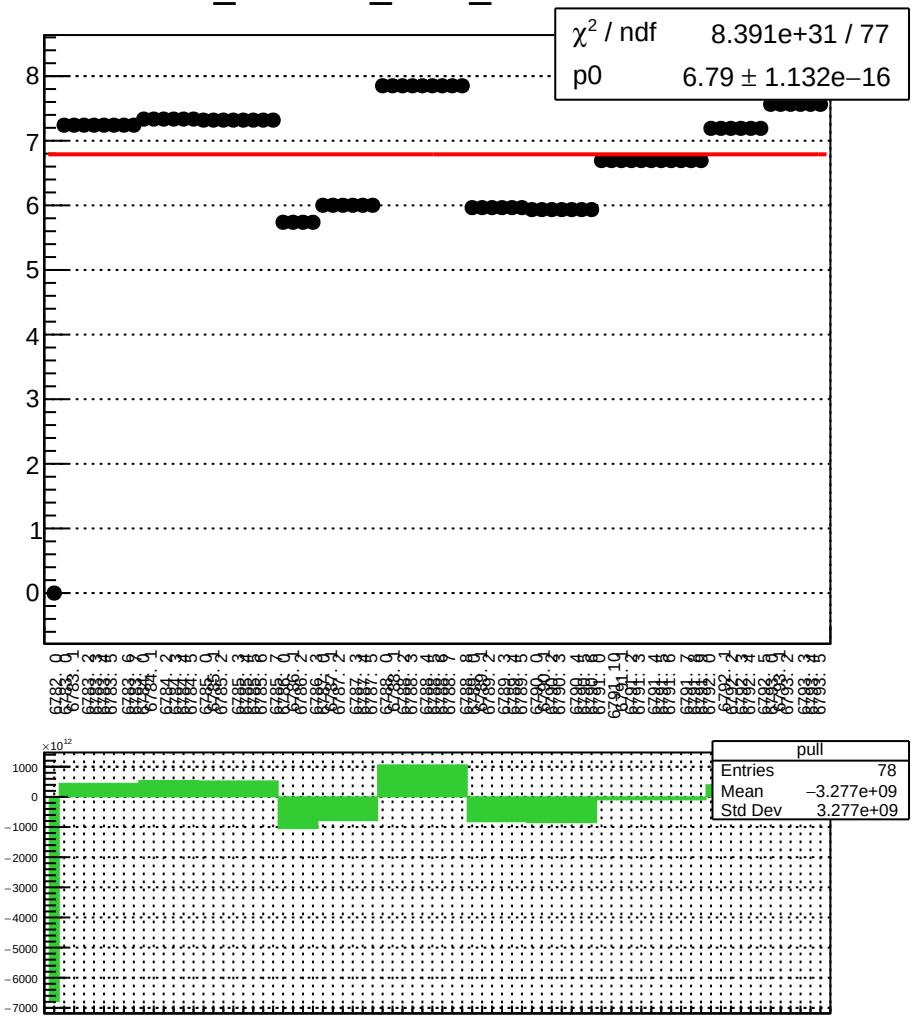


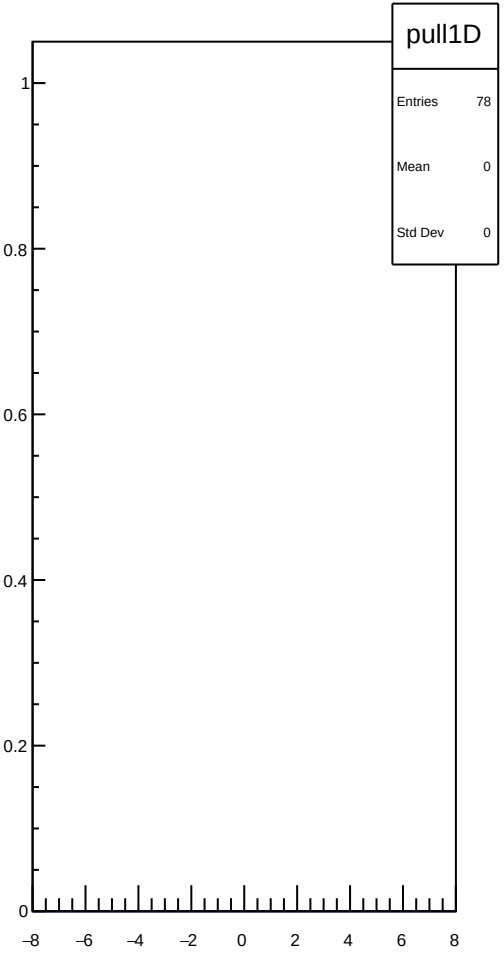
dit_4eX_coil6_Ndata_mean vs run



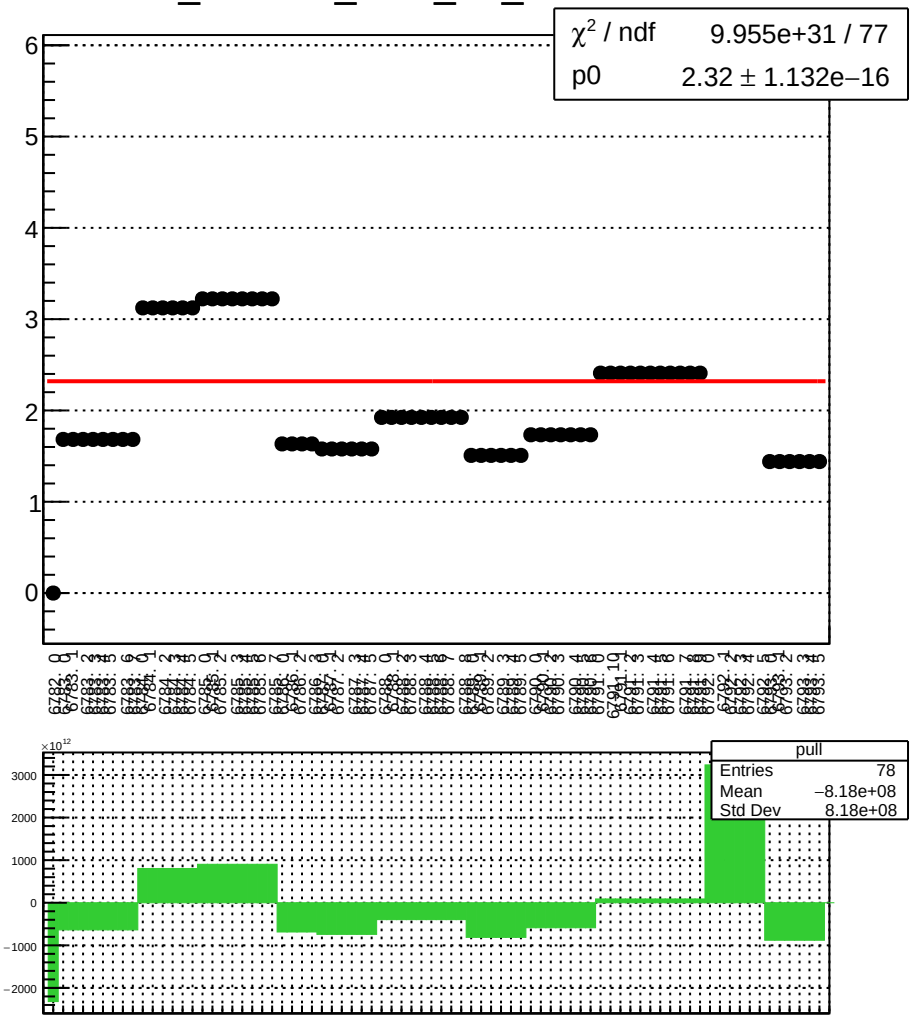


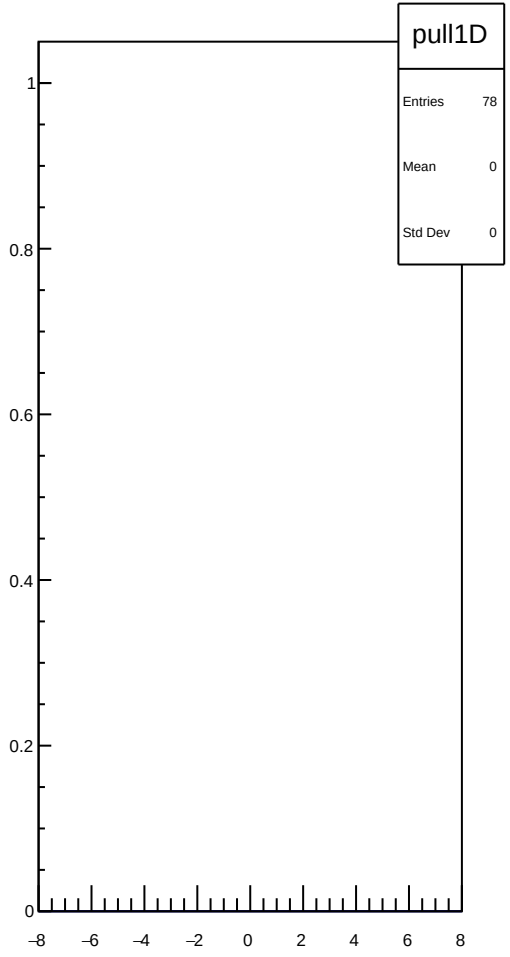
dit_11X12X_coil6_mean vs run



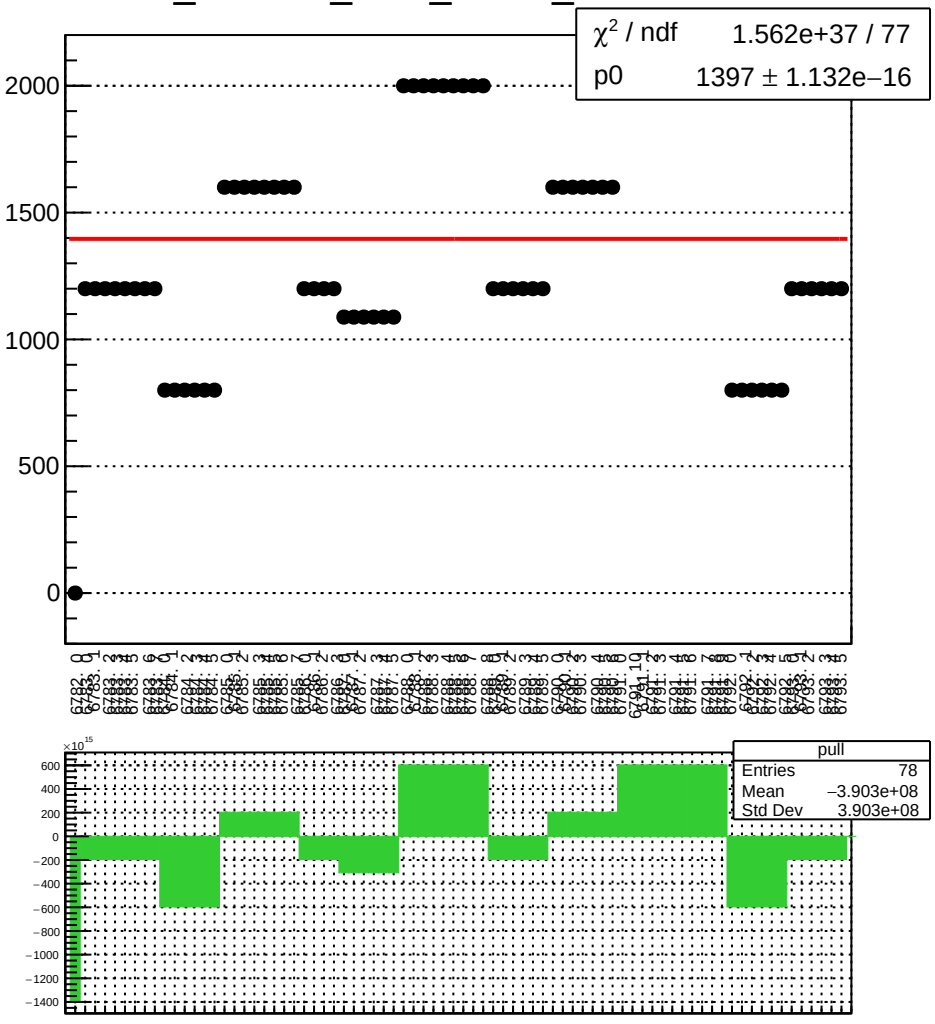


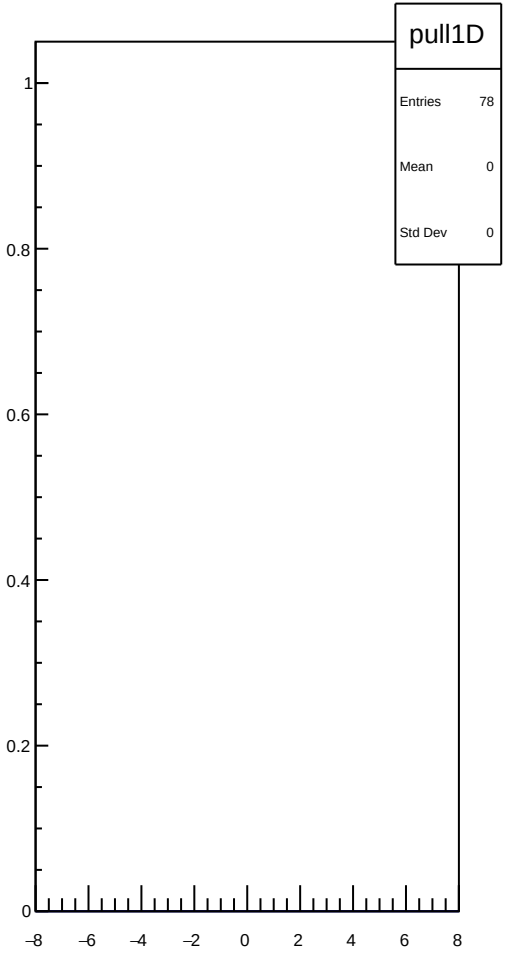
dit_11X12X_coil6_err_mean vs run



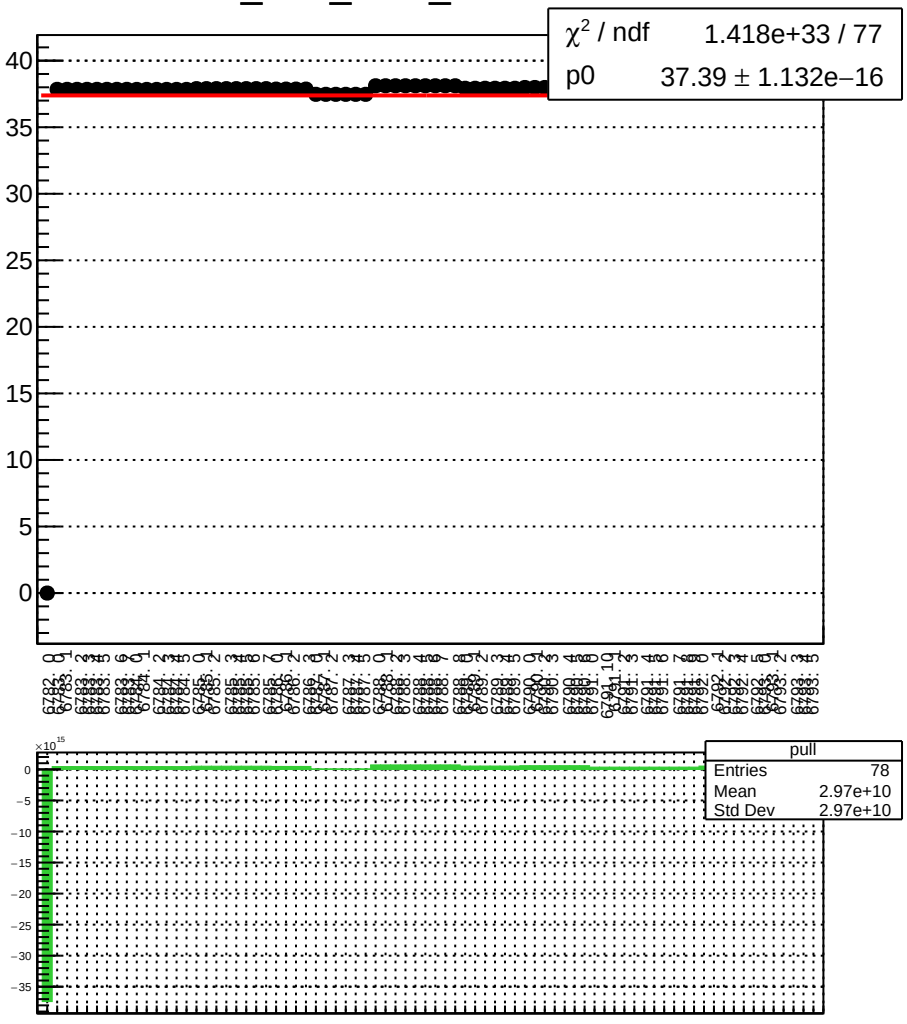


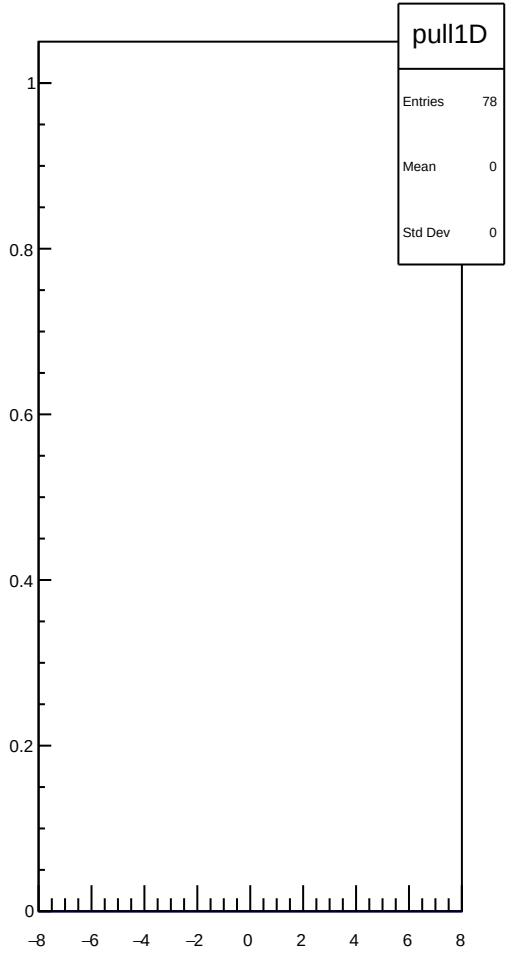
dit_11X12X_coil6_Ndata_mean vs run



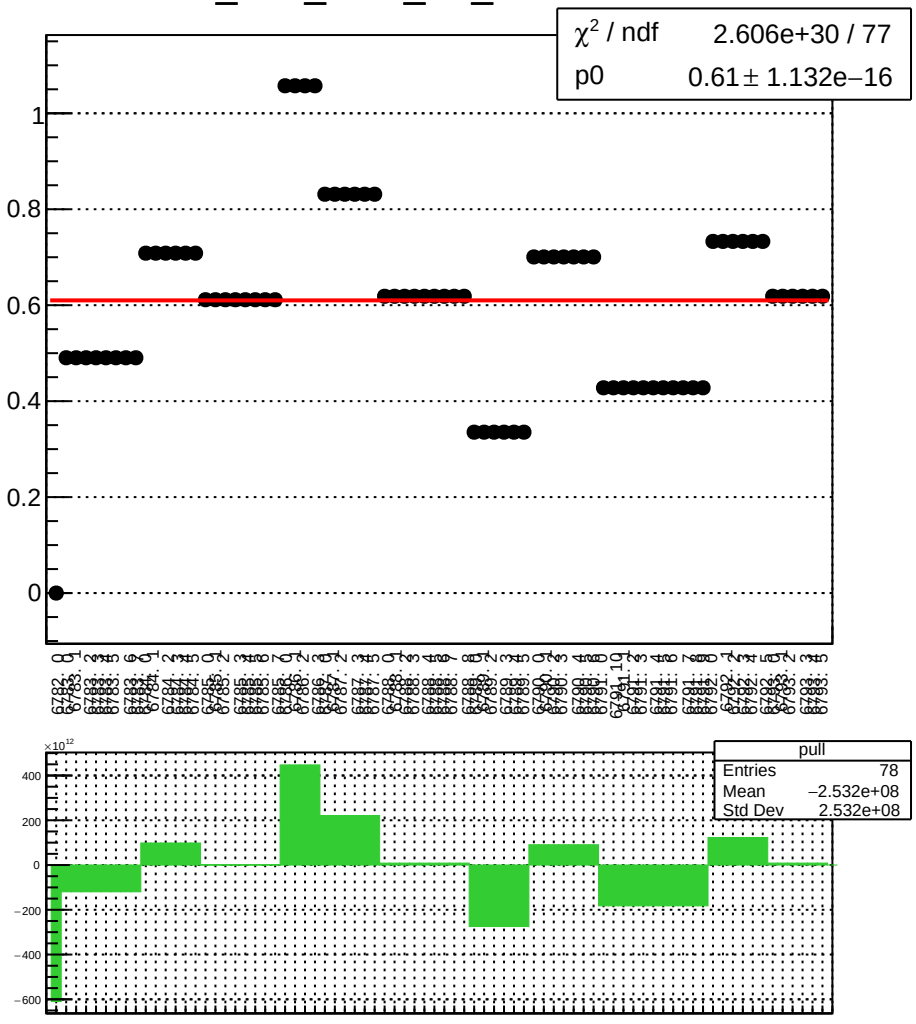


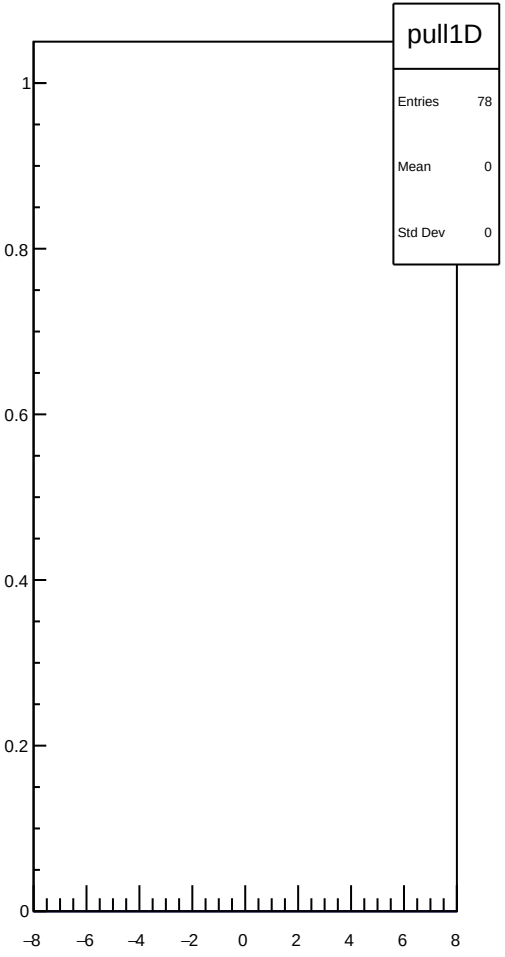
dit_4aY_coil6_mean vs run



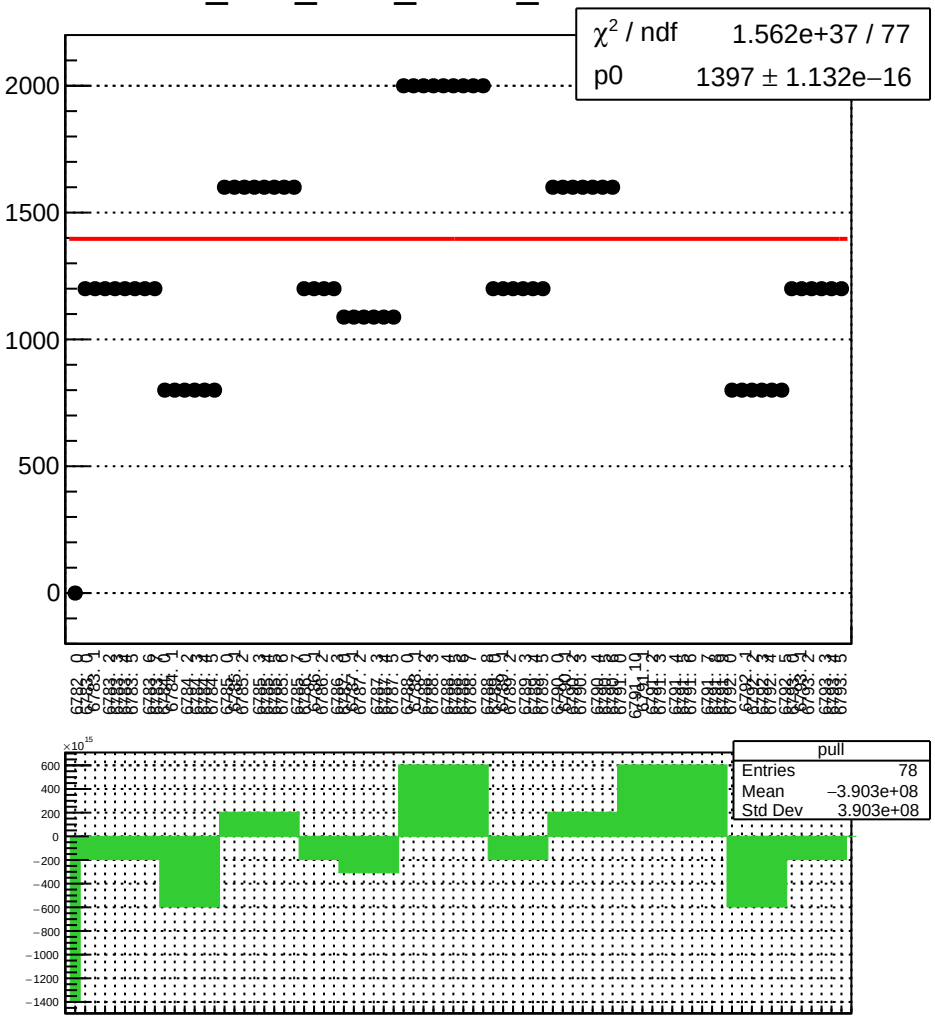


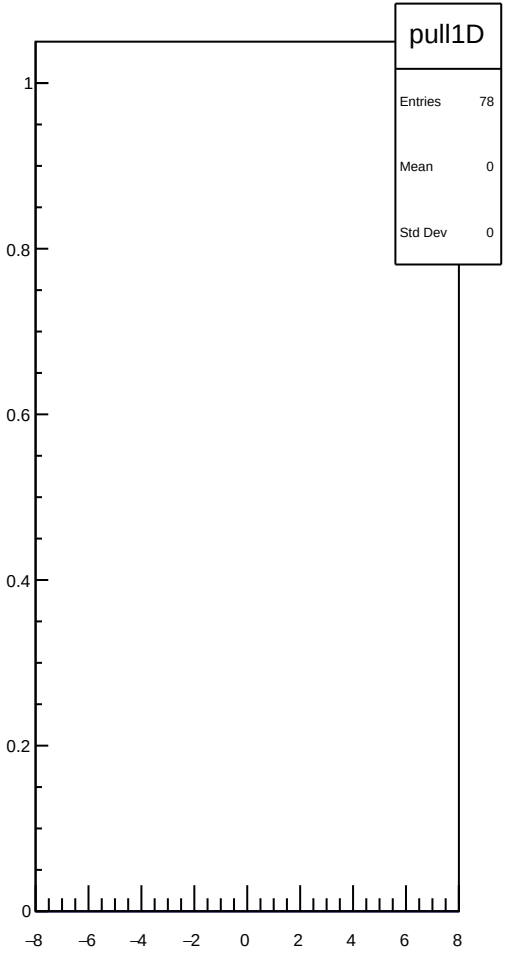
dit_4aY_coil6_err_mean vs run



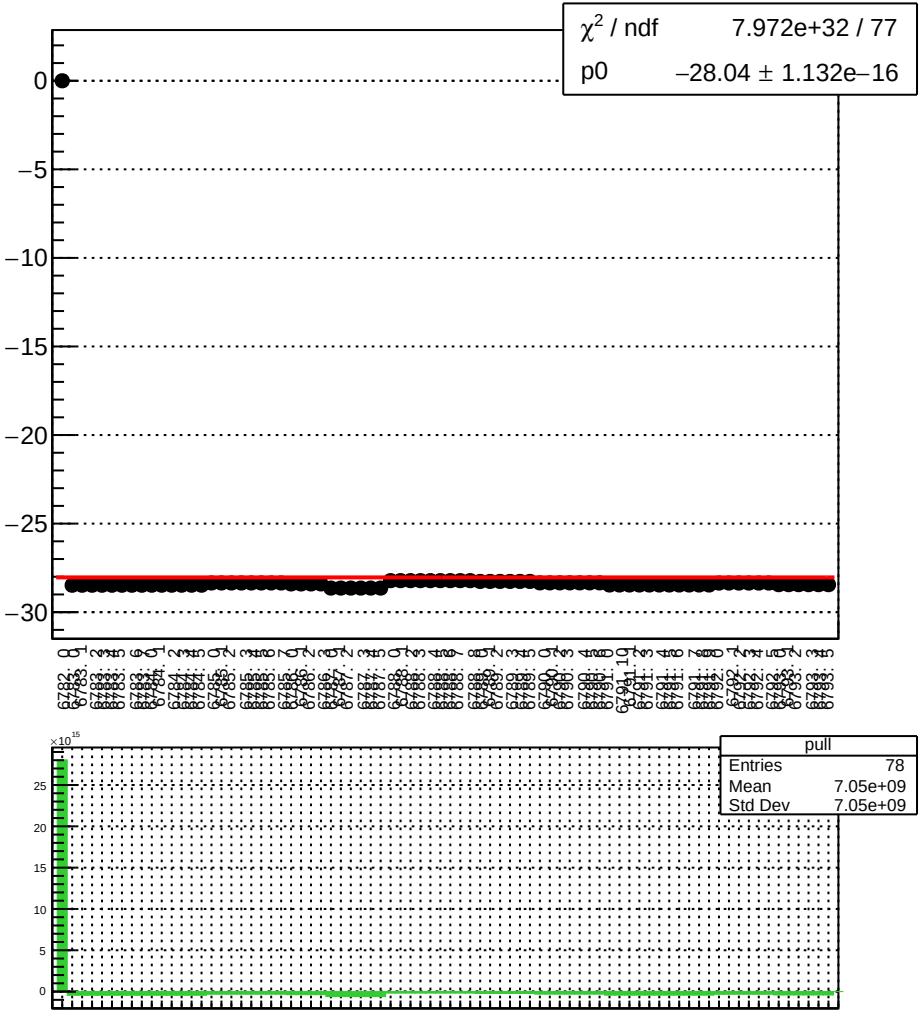


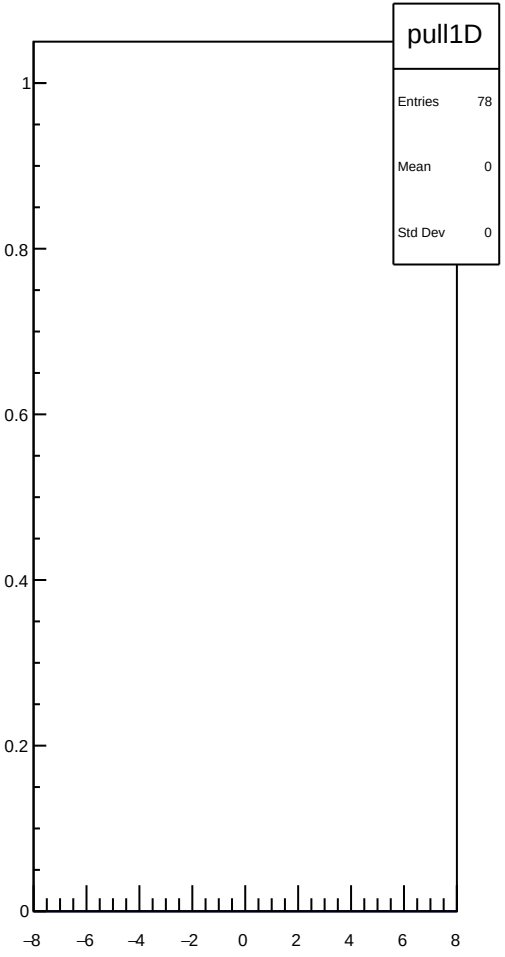
dit_4aY_coil6_Ndata_mean vs run

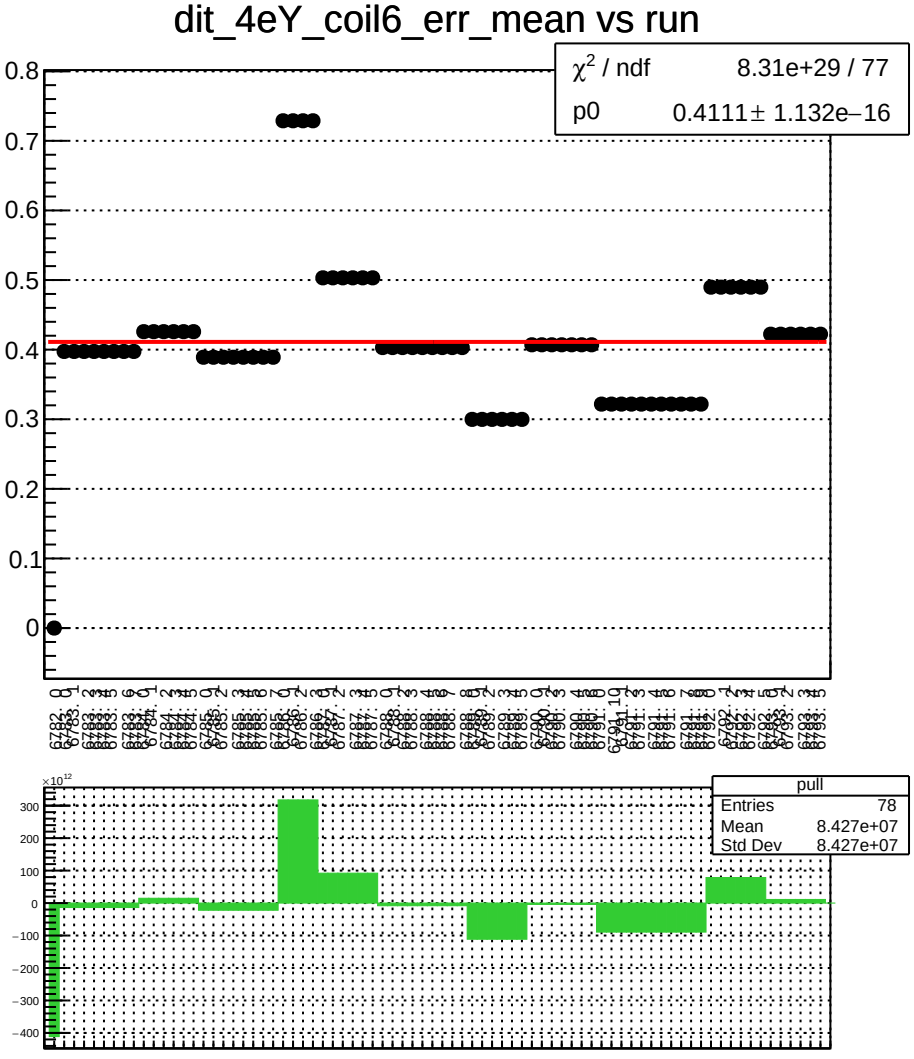


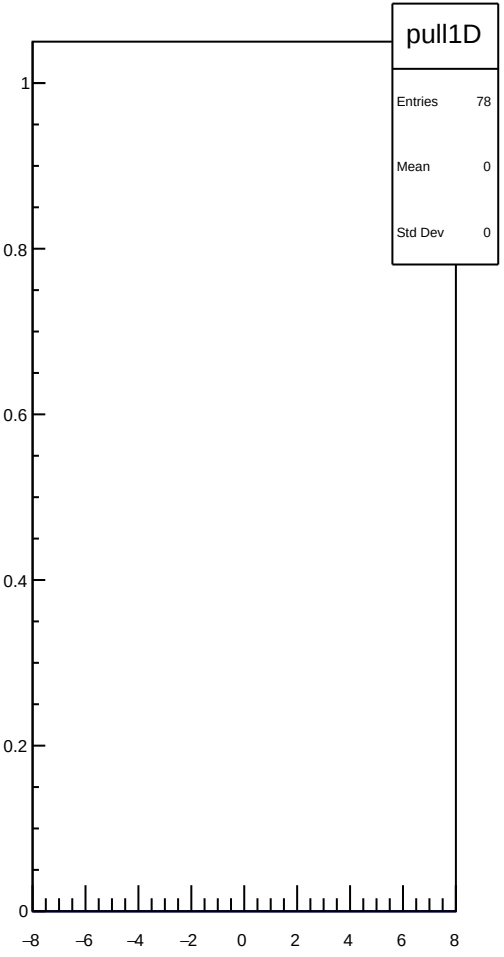


dit_4eY_coil6_mean vs run

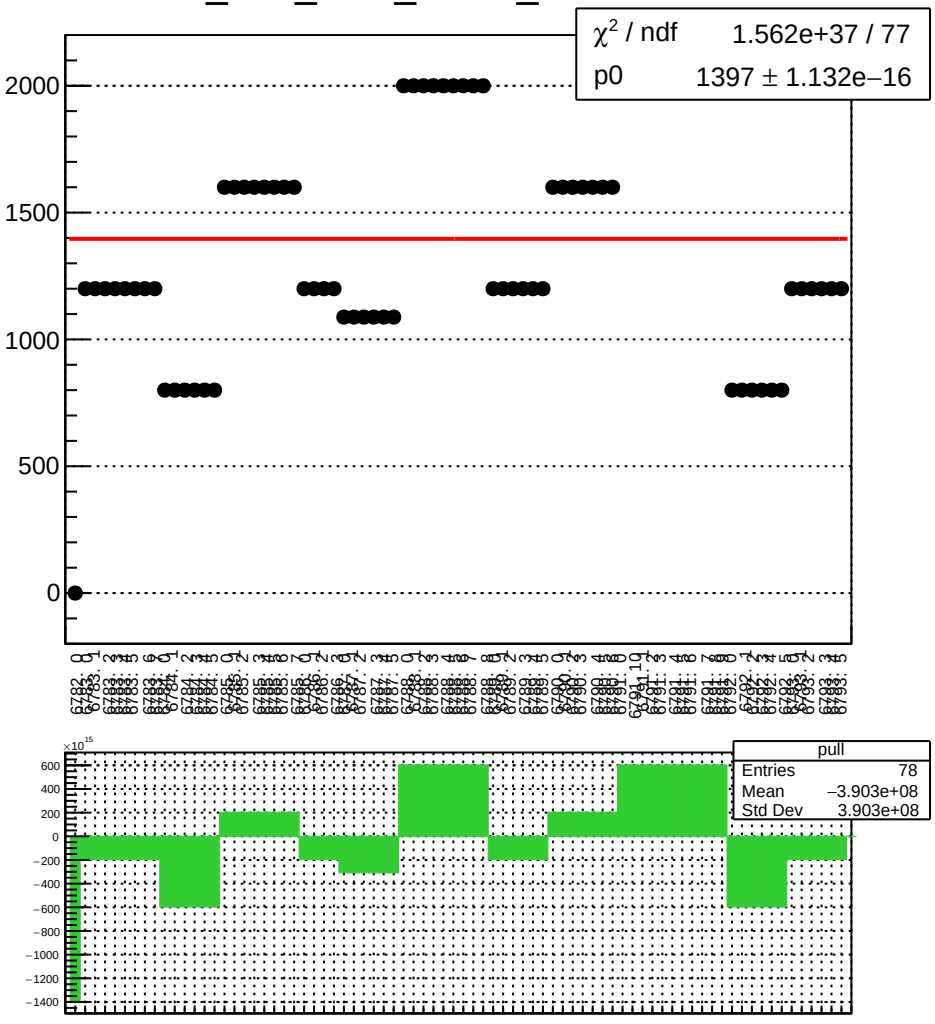


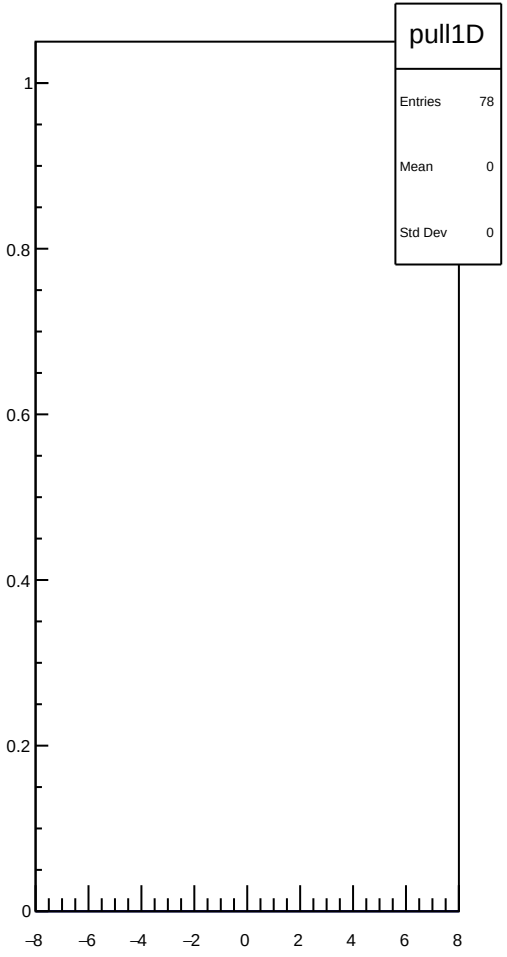


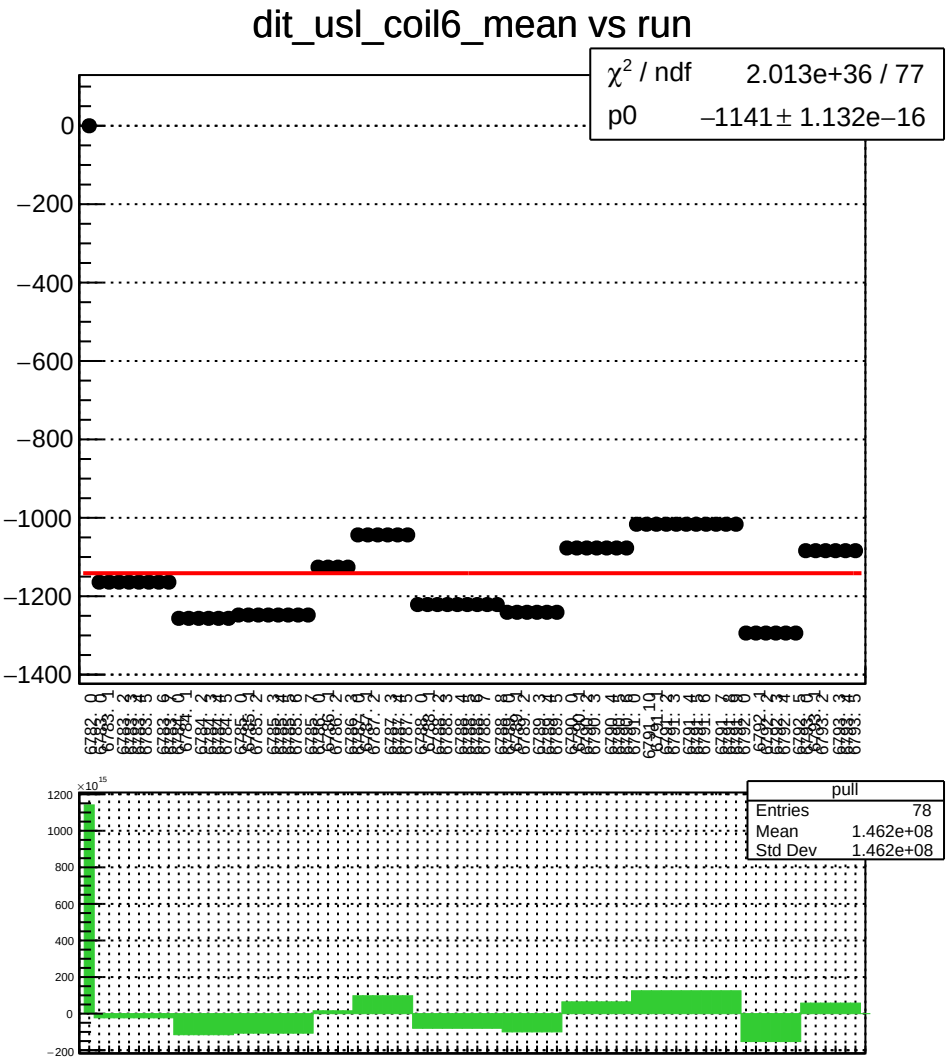

dit_4eY_coil6_err_mean vs run
χ^2 / ndf 8.31e+29 / 77
p0 0.4111 ± 1.132e−16
pull
Entries 78
Mean 8.427e+07
Std Dev 8.427e+07

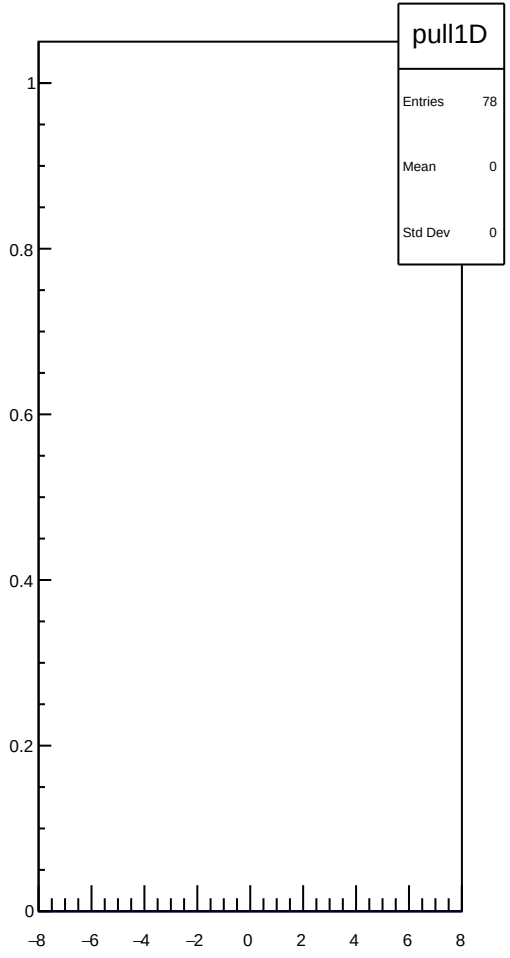

pull1D
Entries 78
Mean 0
Std Dev 0

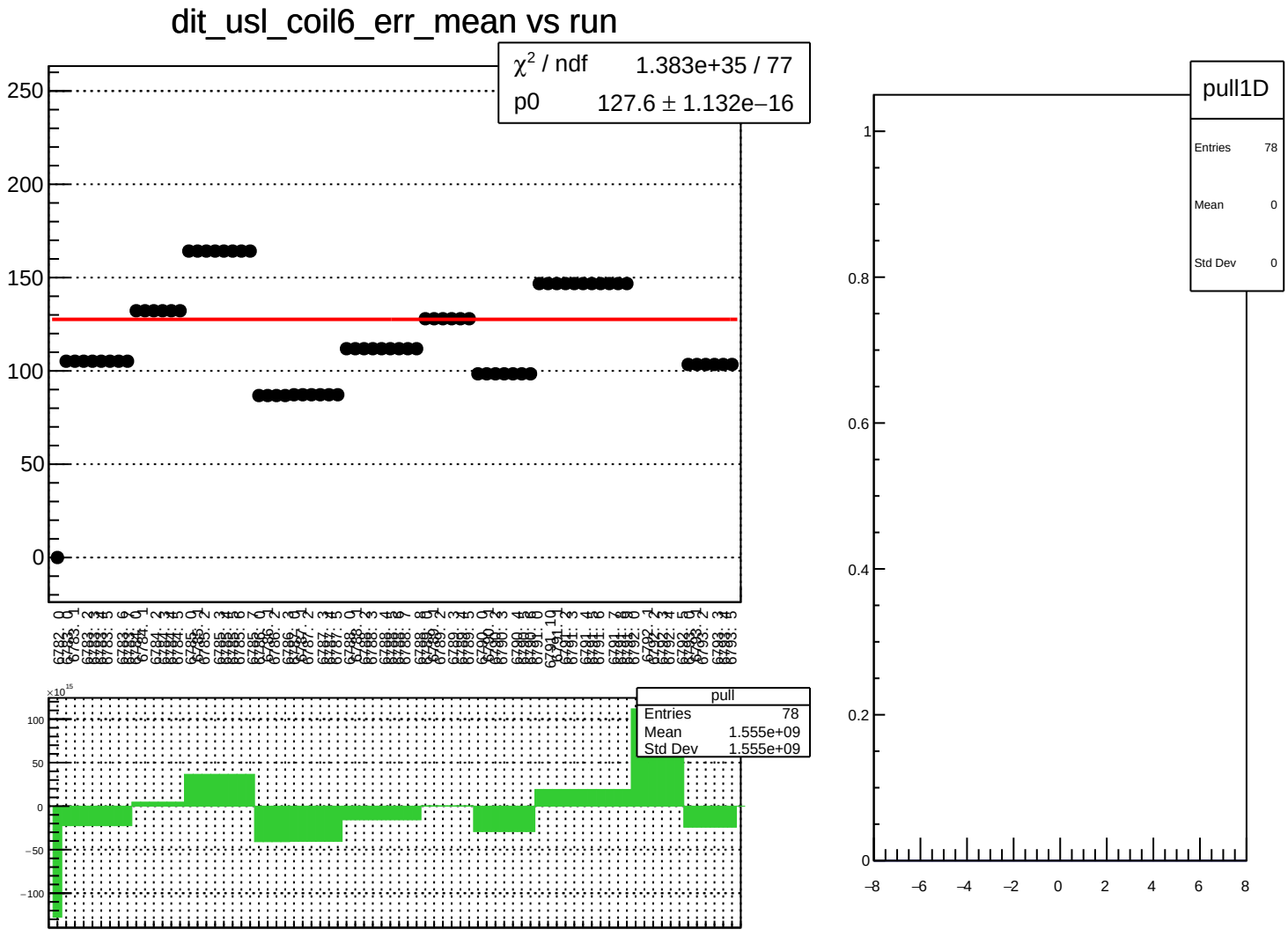
dit_4eY_coil6_Ndata_mean vs run



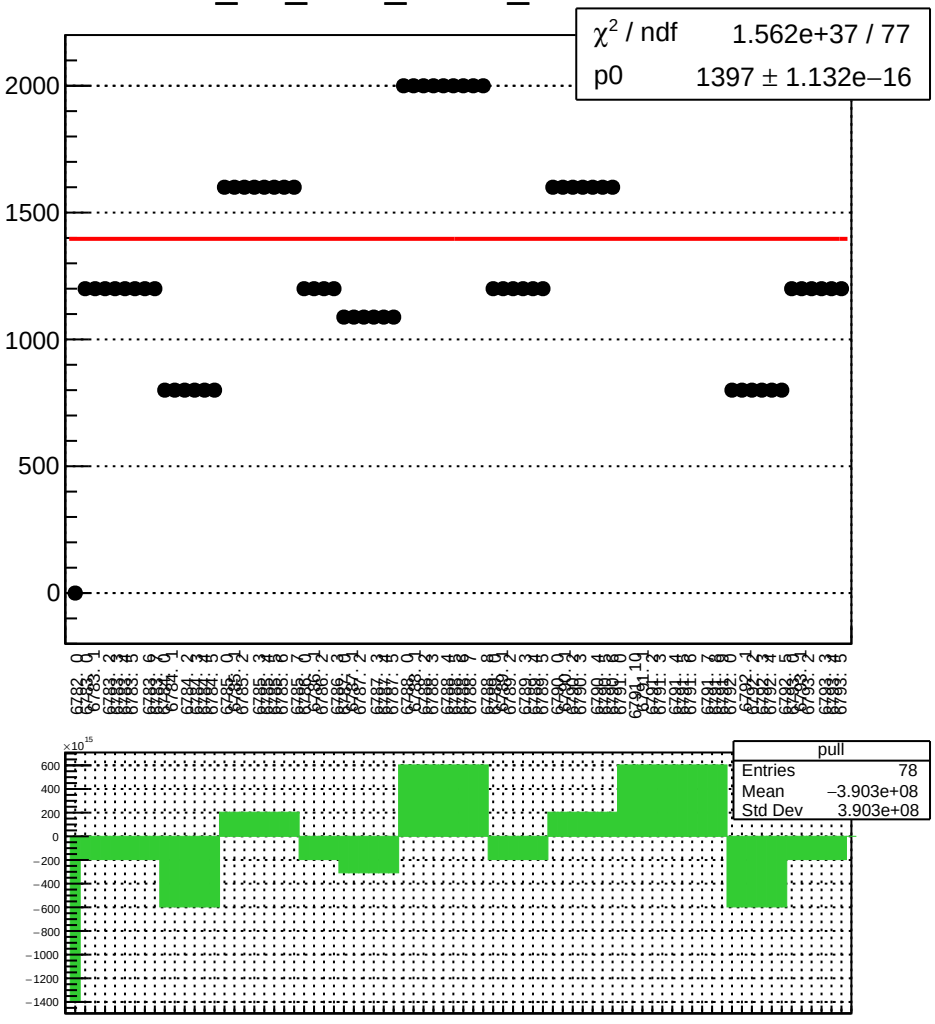


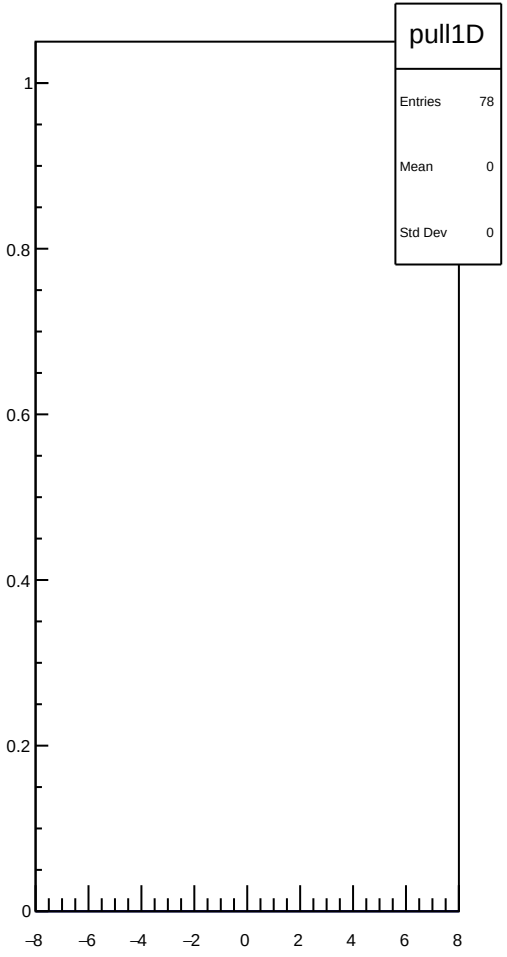

dit_usl_coil6_mean vs run
χ^2 / ndf 2.013e+36 / 77
p0 –1141 ± 1.132e–16
pull
Entries 78
Mean 1.462e+08
Std Dev 1.462e+08

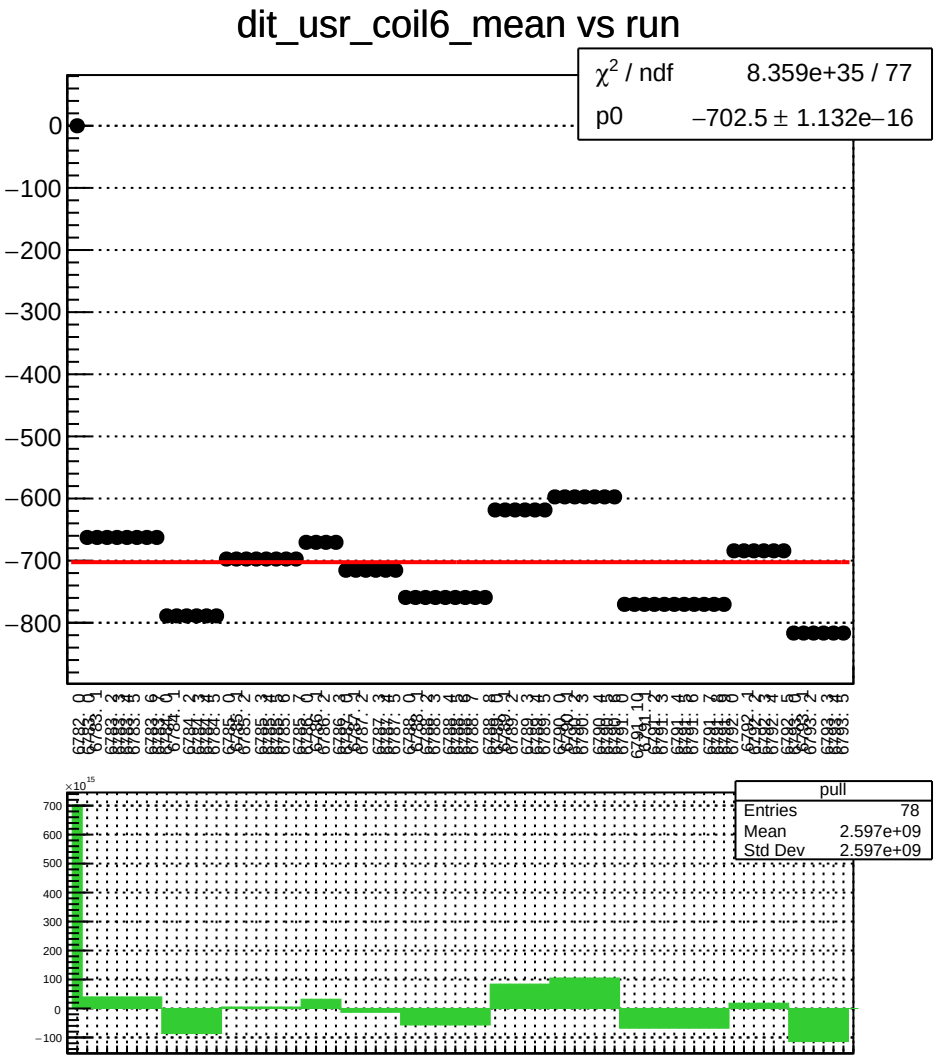

pull1D
Entries 78
Mean 0
Std Dev 0

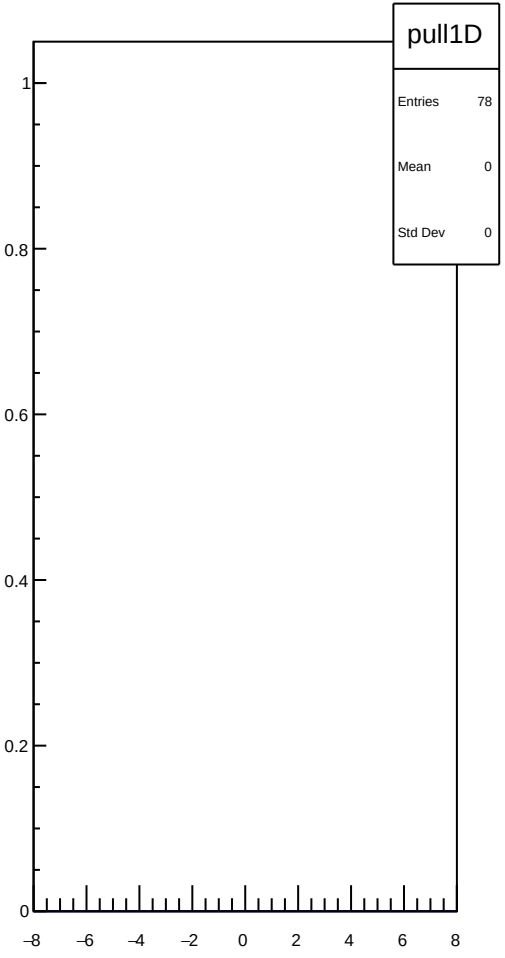

dit_usl_coil6_err_mean vs run
χ² / ndf 1.383e+35 / 77
p0 127.6 ± 1.132e−16
pull
Entries 78
Mean 1.555e+09
Std Dev 1.555e+09
pull1D
Entries 78
Mean 0
Std Dev 0

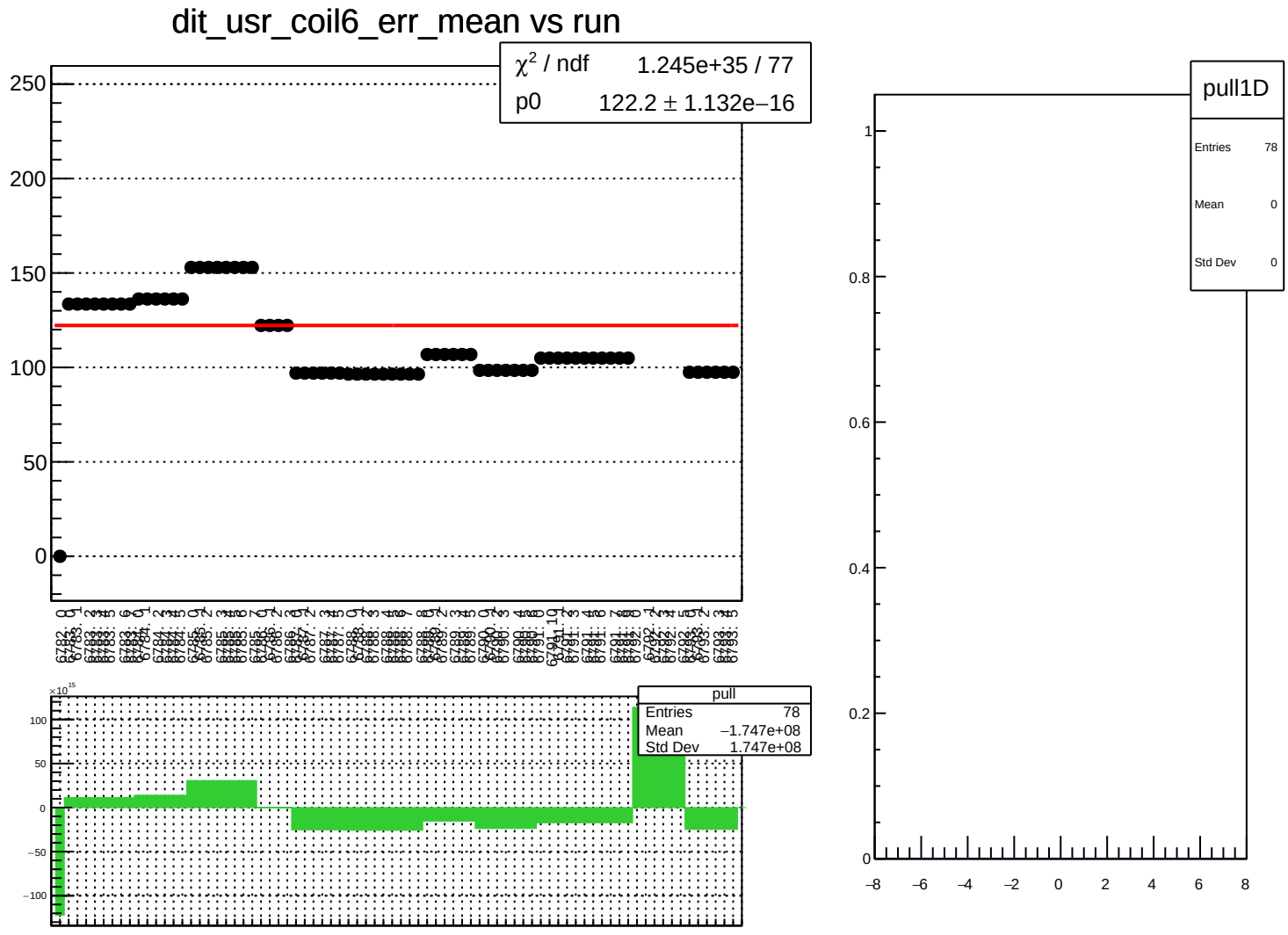
dit_usl_coil6_Ndata_mean vs run



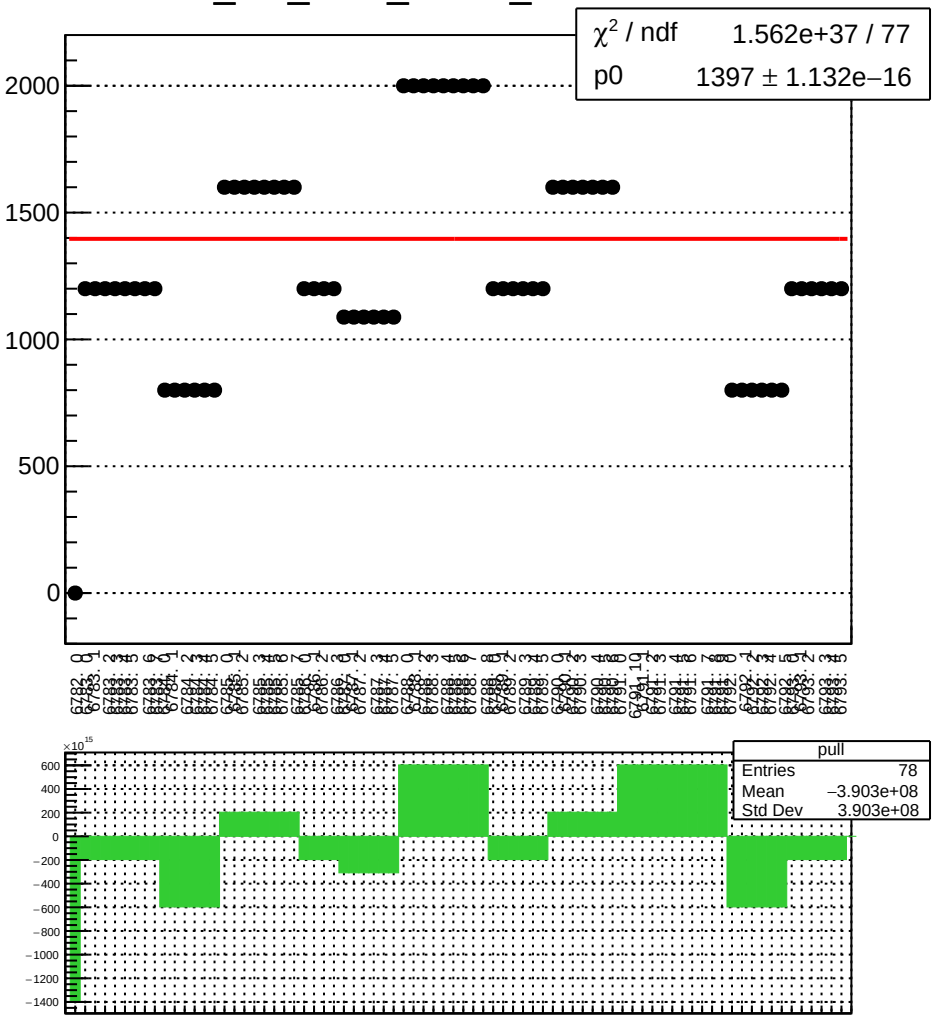


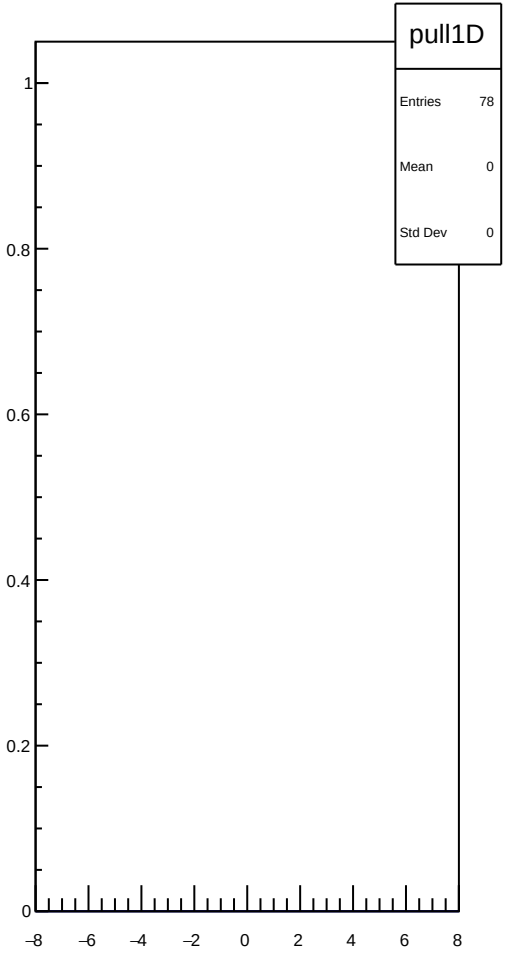

dit_usr_coil6_mean vs run
χ^2 / ndf 8.359e+35 / 77
p0 −702.5 ± 1.132e−16
pull
Entries 78
Mean 2.597e+09
Std Dev 2.597e+09

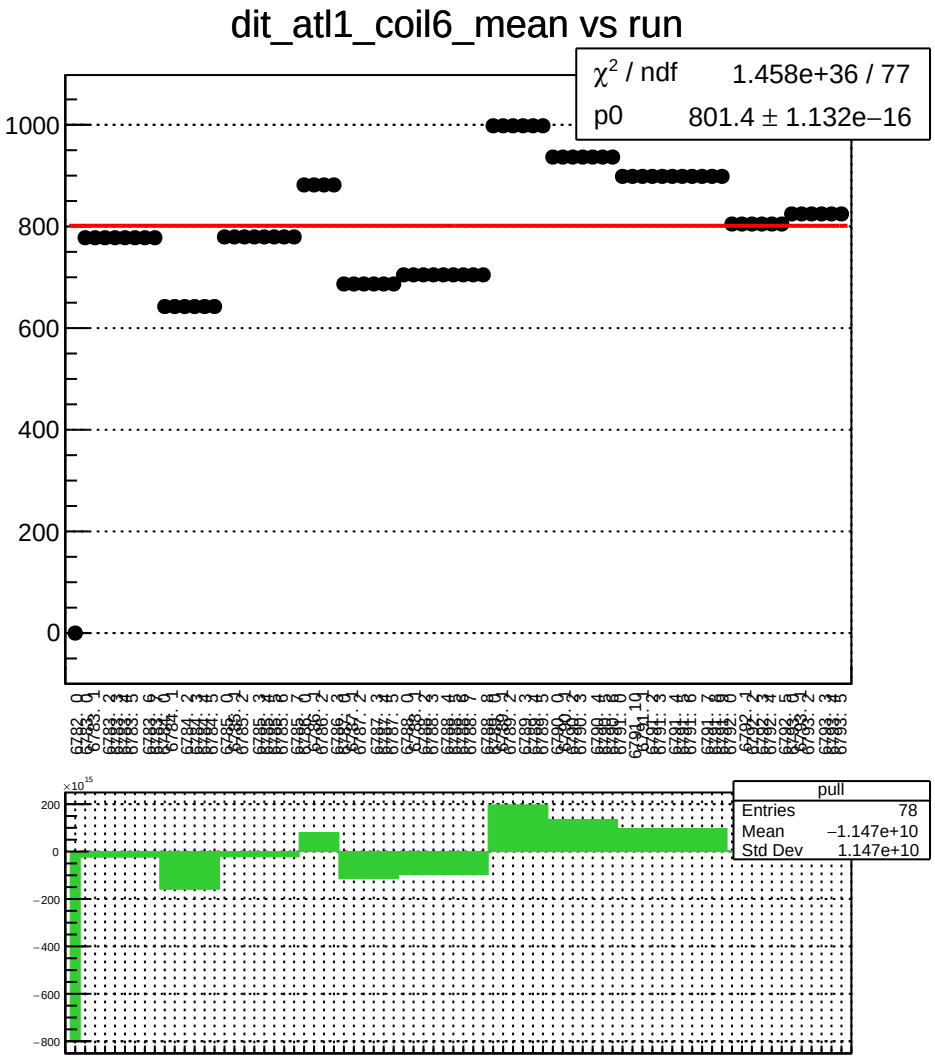

pull1D
Entries 78
Mean 0
Std Dev 0

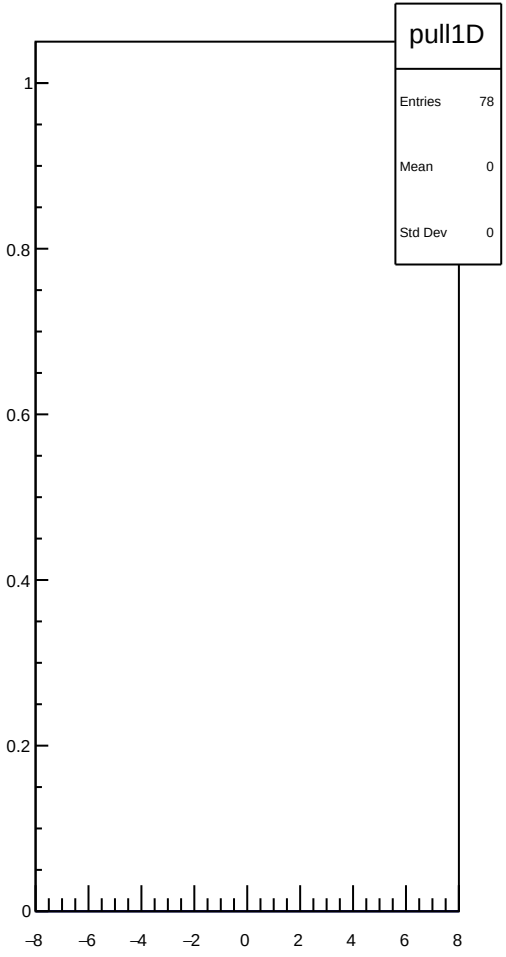

dit_usr_coil6_err_mean vs run
χ² / ndf 1.245e+35 / 77
p0 122.2 ± 1.132e−16
pull
Entries 78
Mean −1.747e+08
Std Dev 1.747e+08
pull1D
Entries 78
Mean 0
Std Dev 0

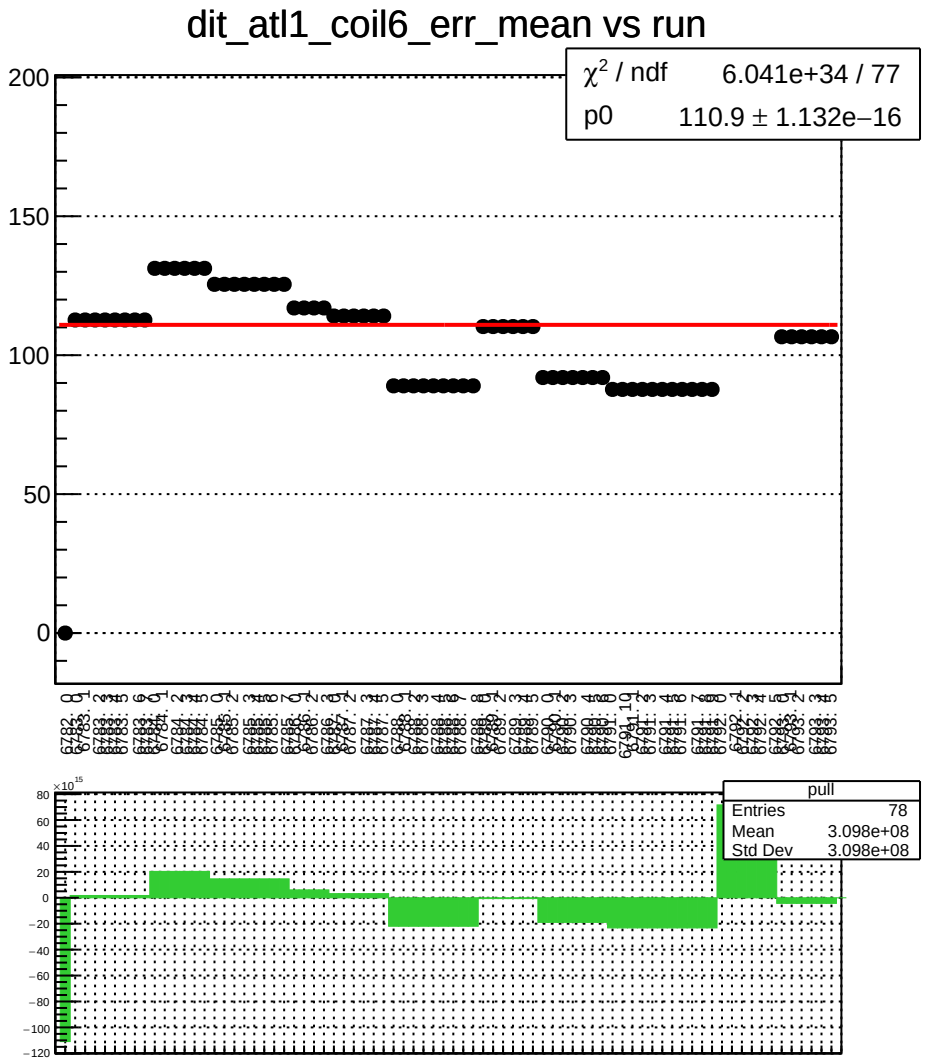
dit_usr_coil6_Ndata_mean vs run

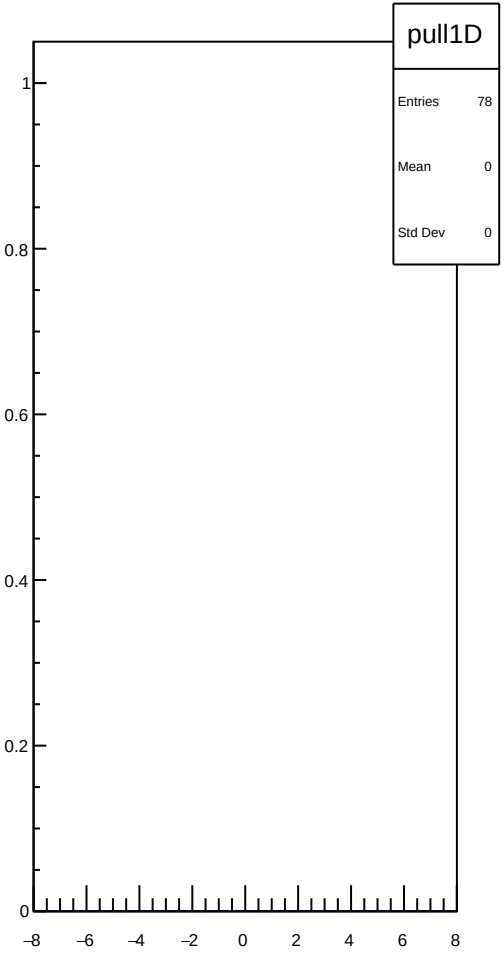




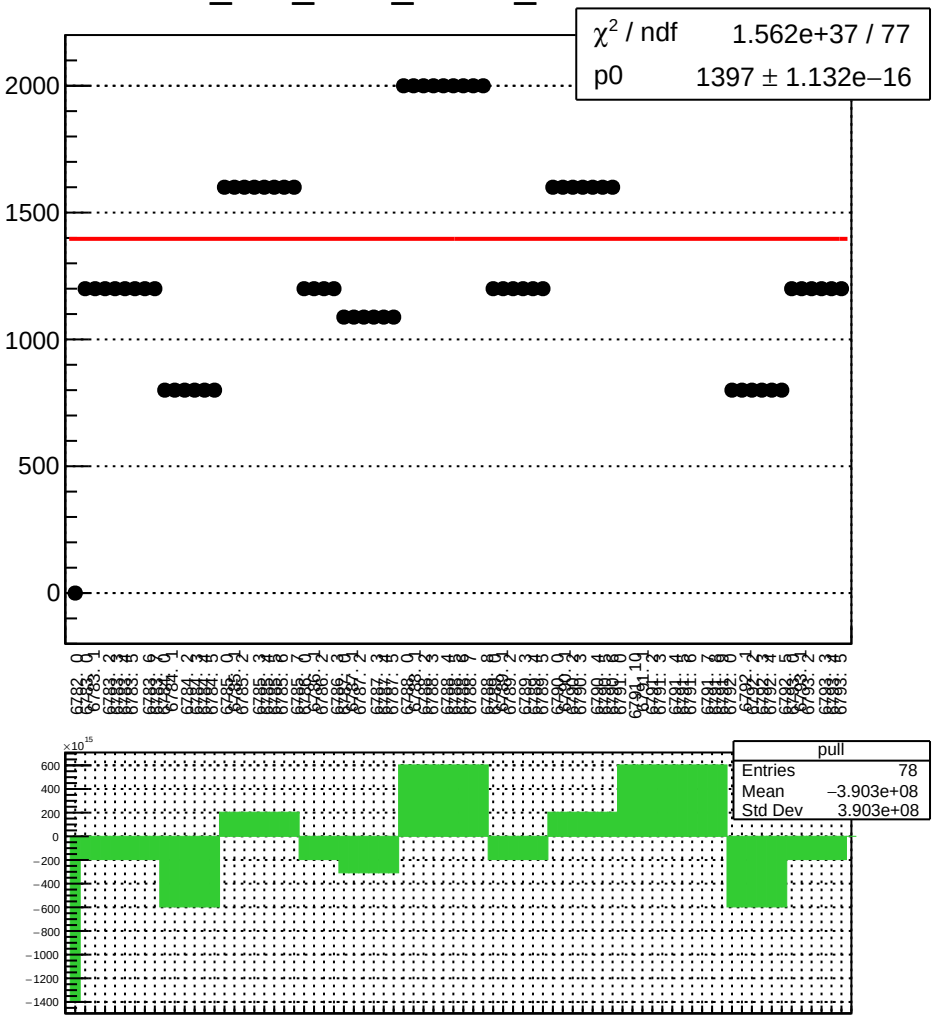

dit_atl1_coil6_mean vs run
χ^2 / ndf 1.458e+36 / 77
p0 801.4 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.147e+10
Std Dev 1.147e+10
×10^15
200
0
−200
−400
−600
−800

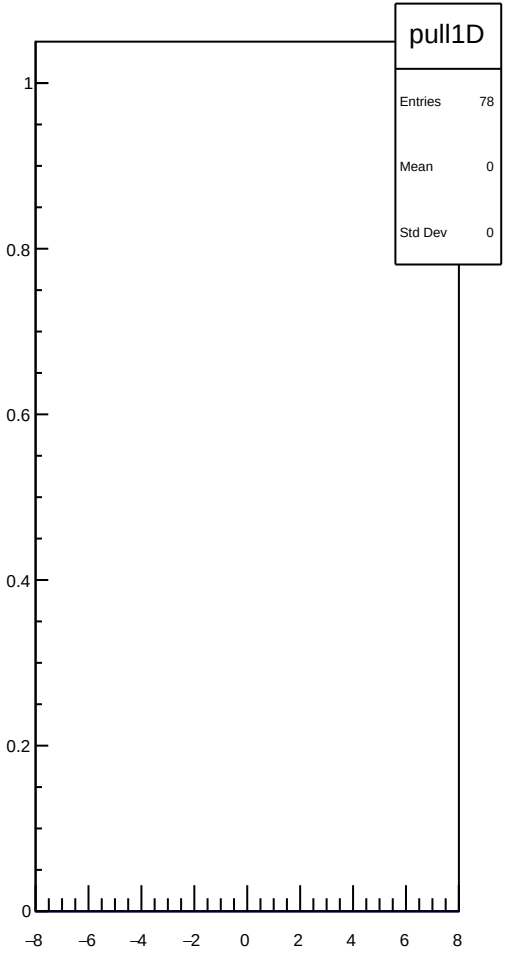

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

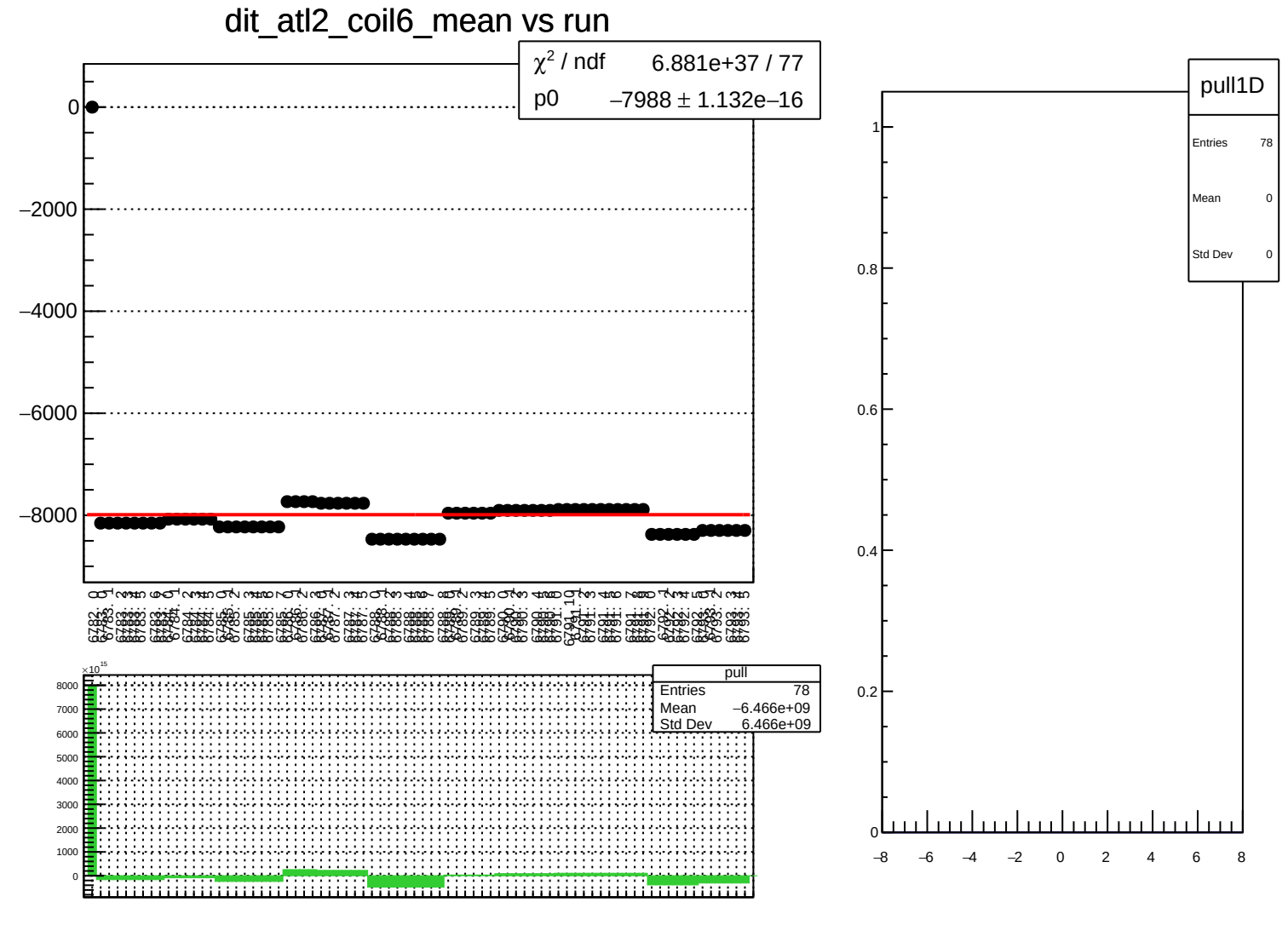

dit_atl1_coil6_err_mean vs run
χ^2 / ndf 6.041e+34 / 77
p0 110.9 ± 1.132e−16
pull
Entries 78
Mean 3.098e+08
Std Dev 3.098e+08


pull1D
Entries 78
Mean 0
Std Dev 0

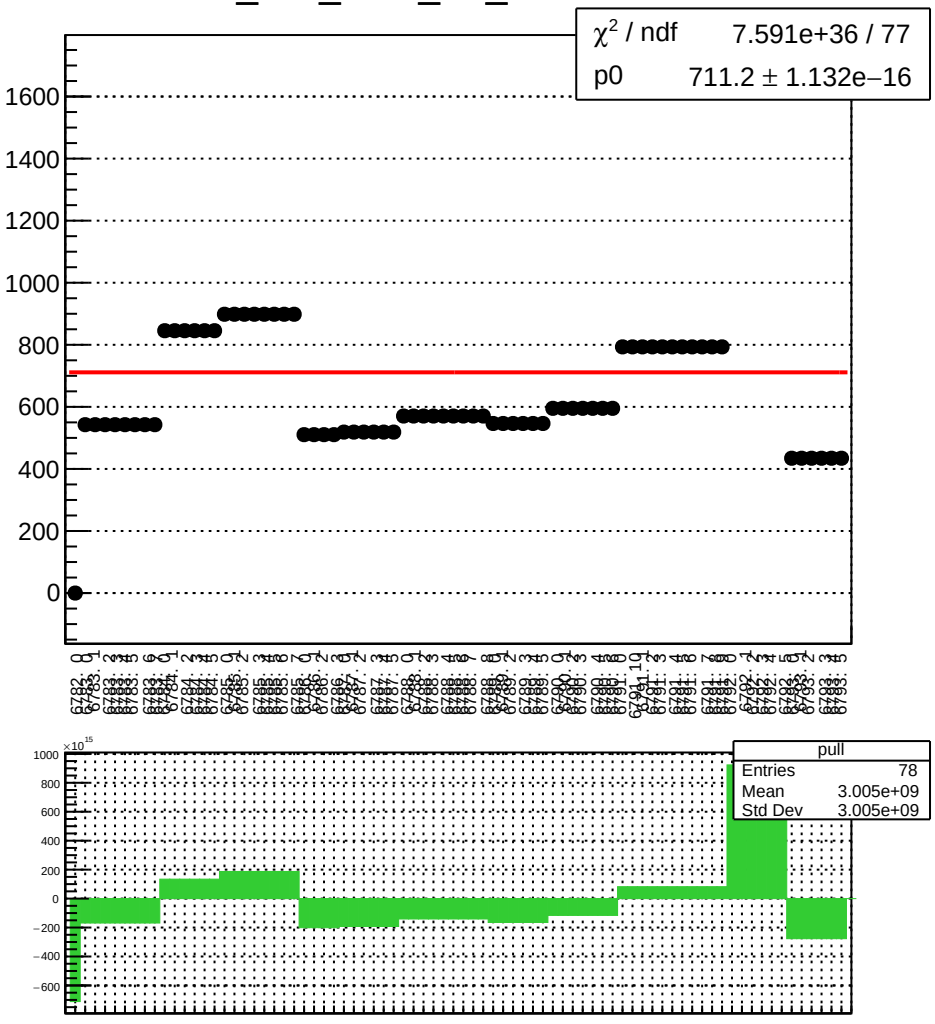
dit_atl1_coil6_Ndata_mean vs run

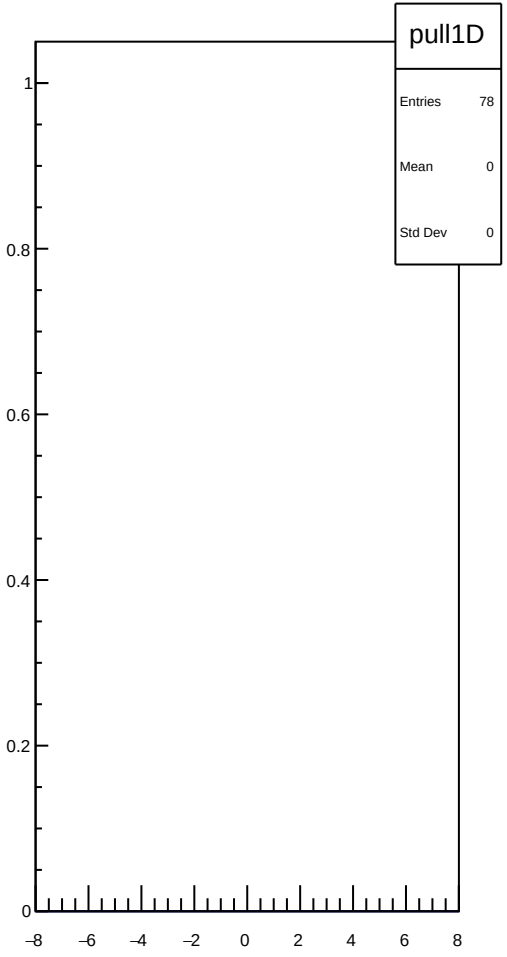




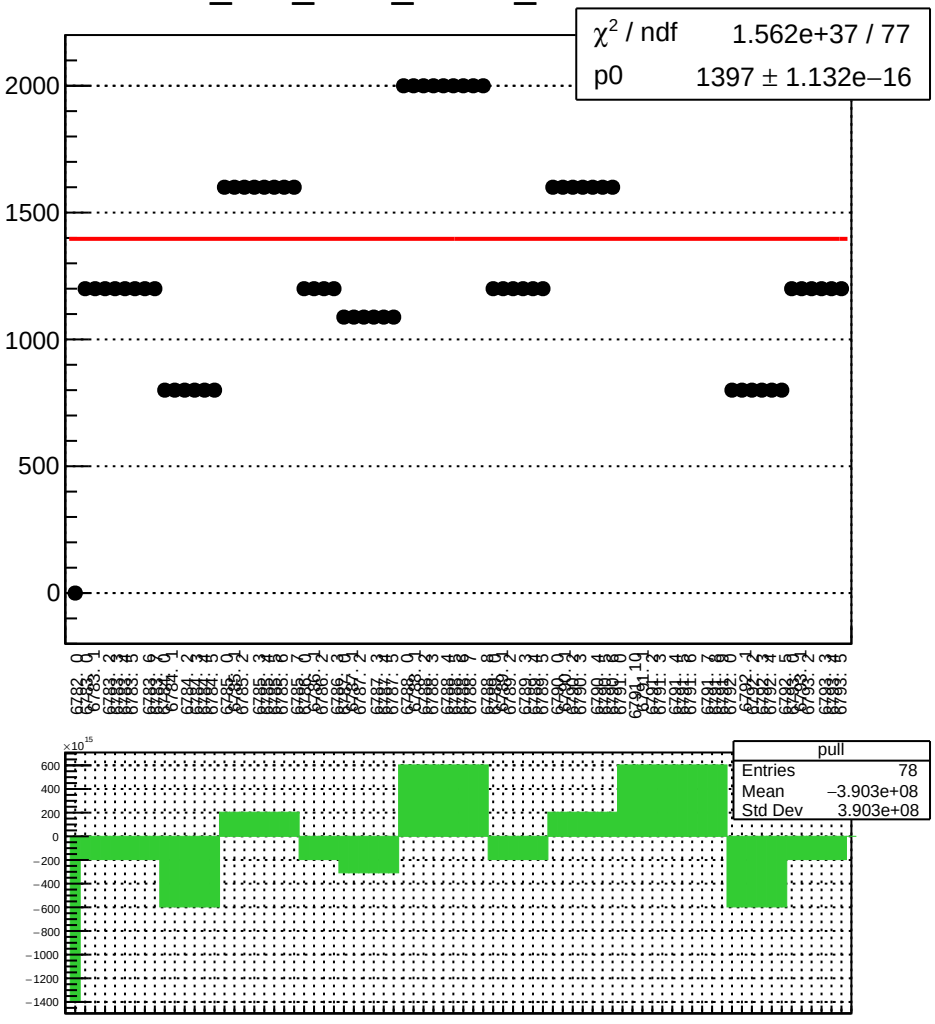

dit_atl2_coil6_mean vs run
χ² / ndf 6.881e+37 / 77
p0 −7988 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −6.466e+09
Std Dev 6.466e+09
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

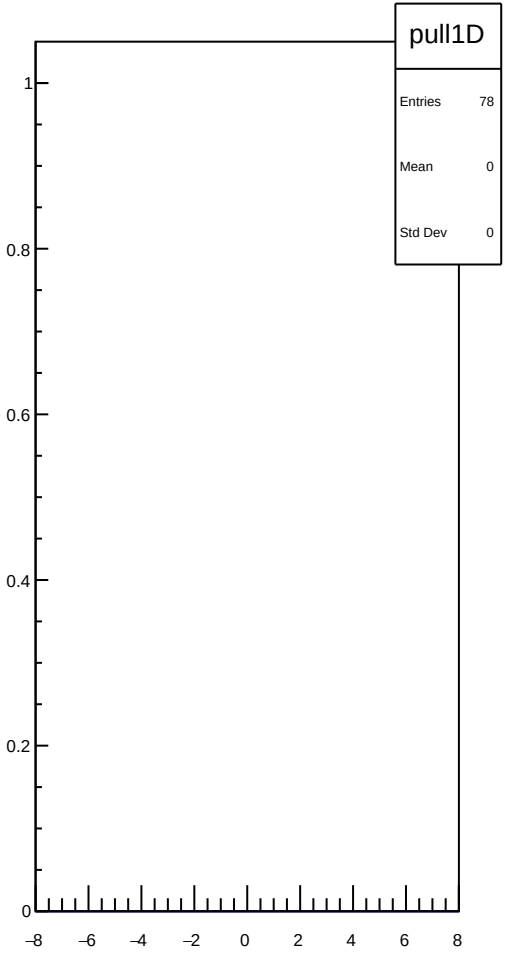
dit_atl2_coil6_err_mean vs run

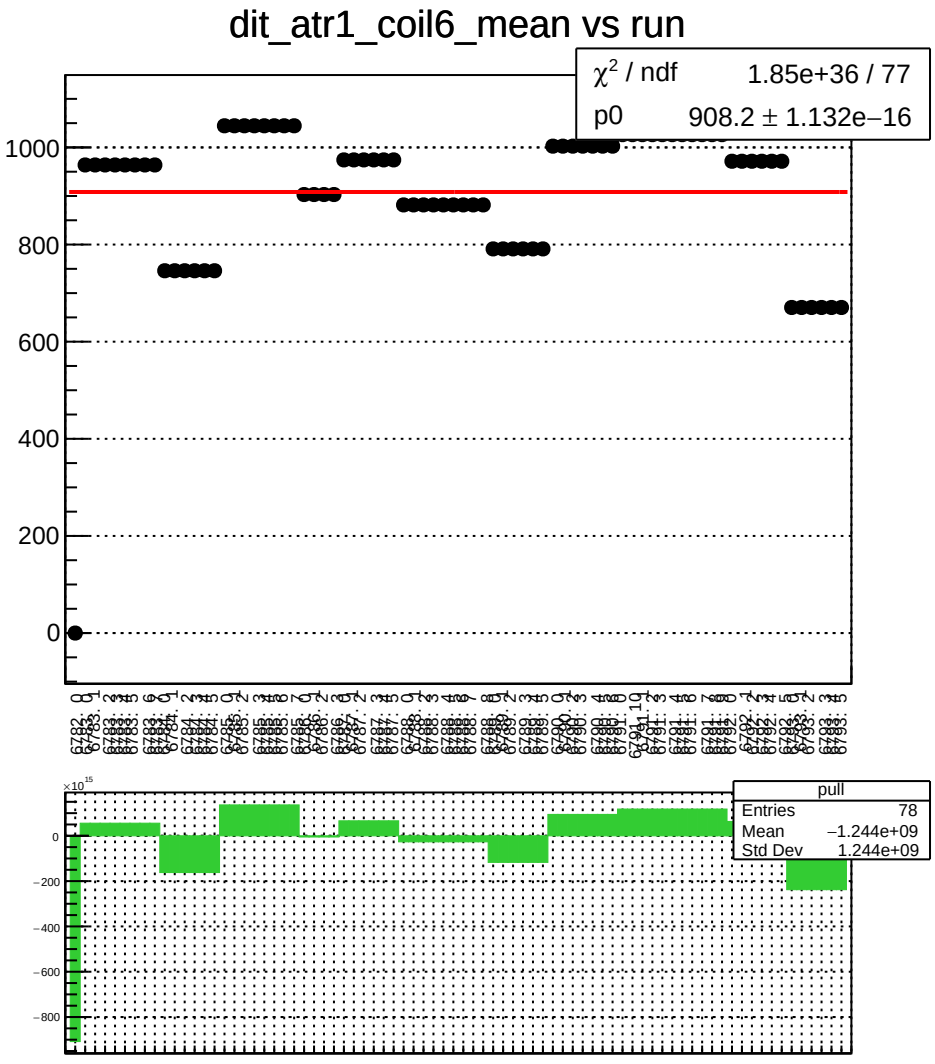


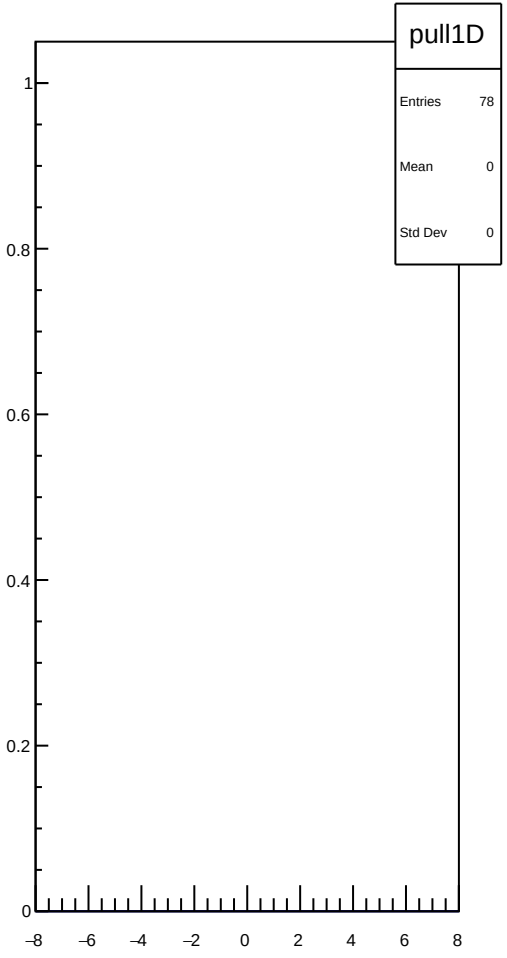


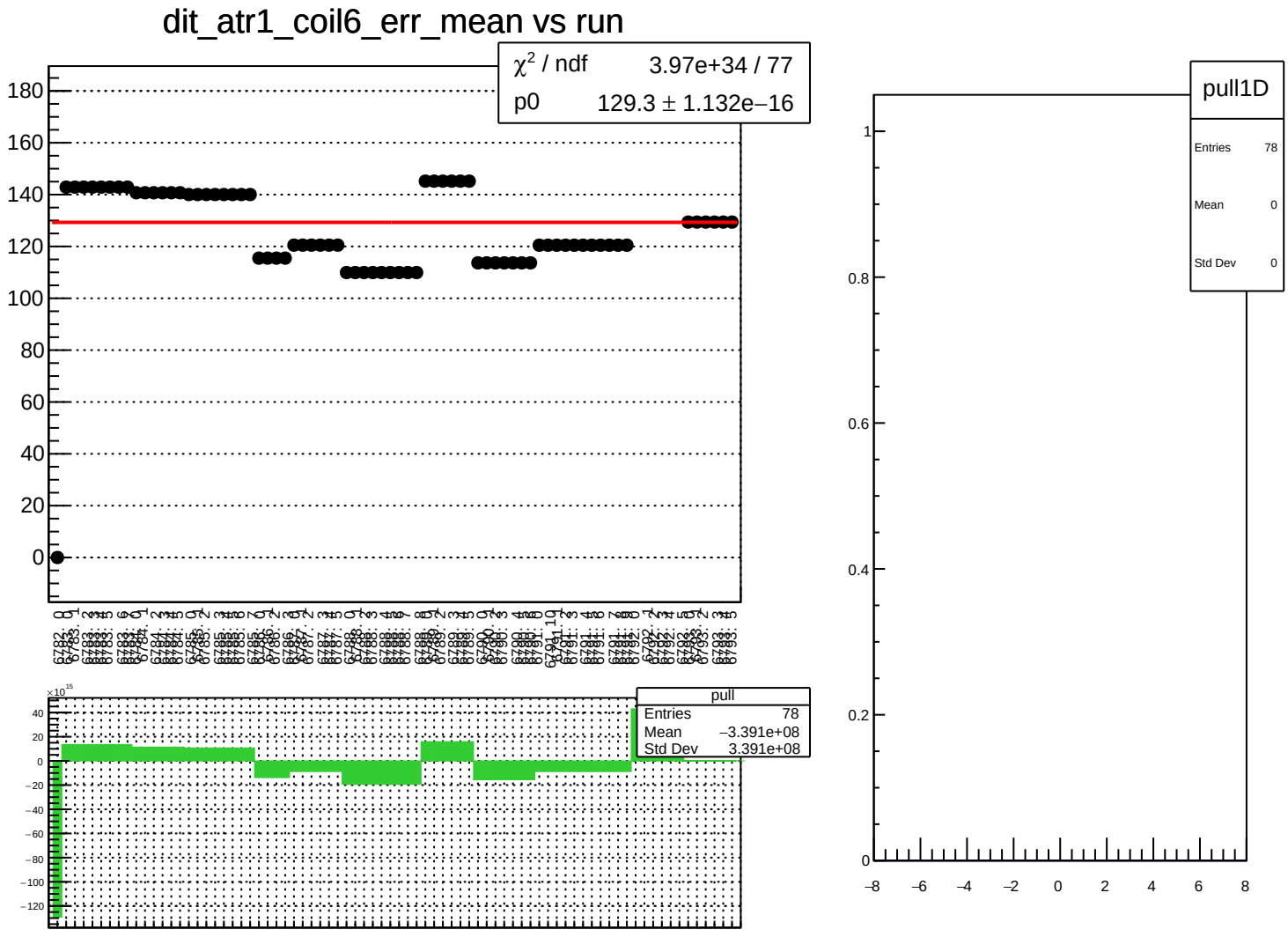
dit_atl2_coil6_Ndata_mean vs run



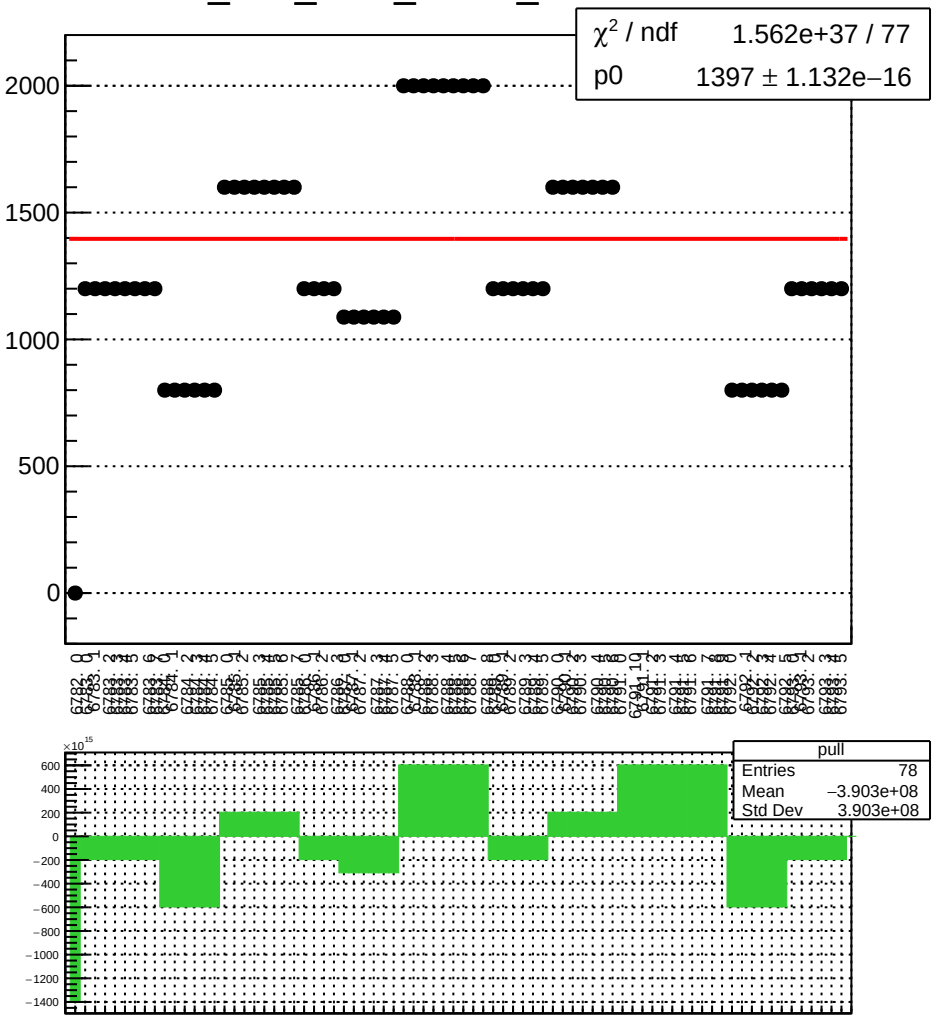


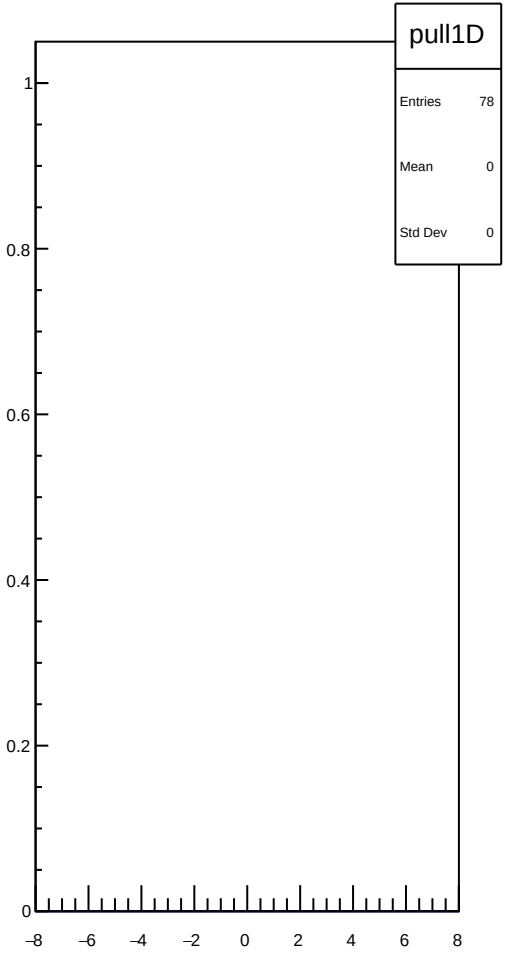

dit_atr1_coil6_mean vs run
χ^2 / ndf 1.85e+36 / 77
p0 908.2 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.244e+09
Std Dev 1.244e+09
×10^15
0
−200
−400
−600
−800

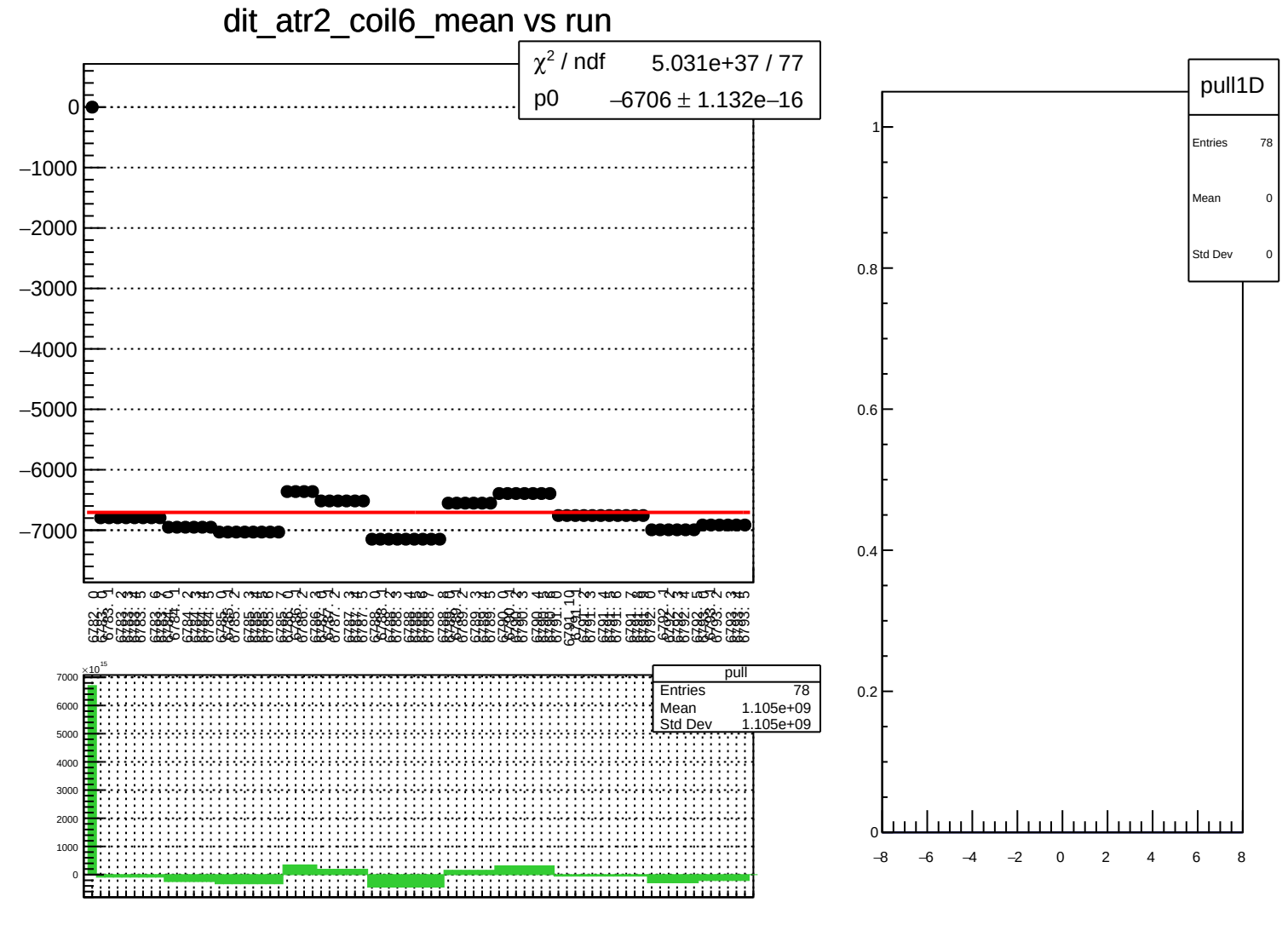

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

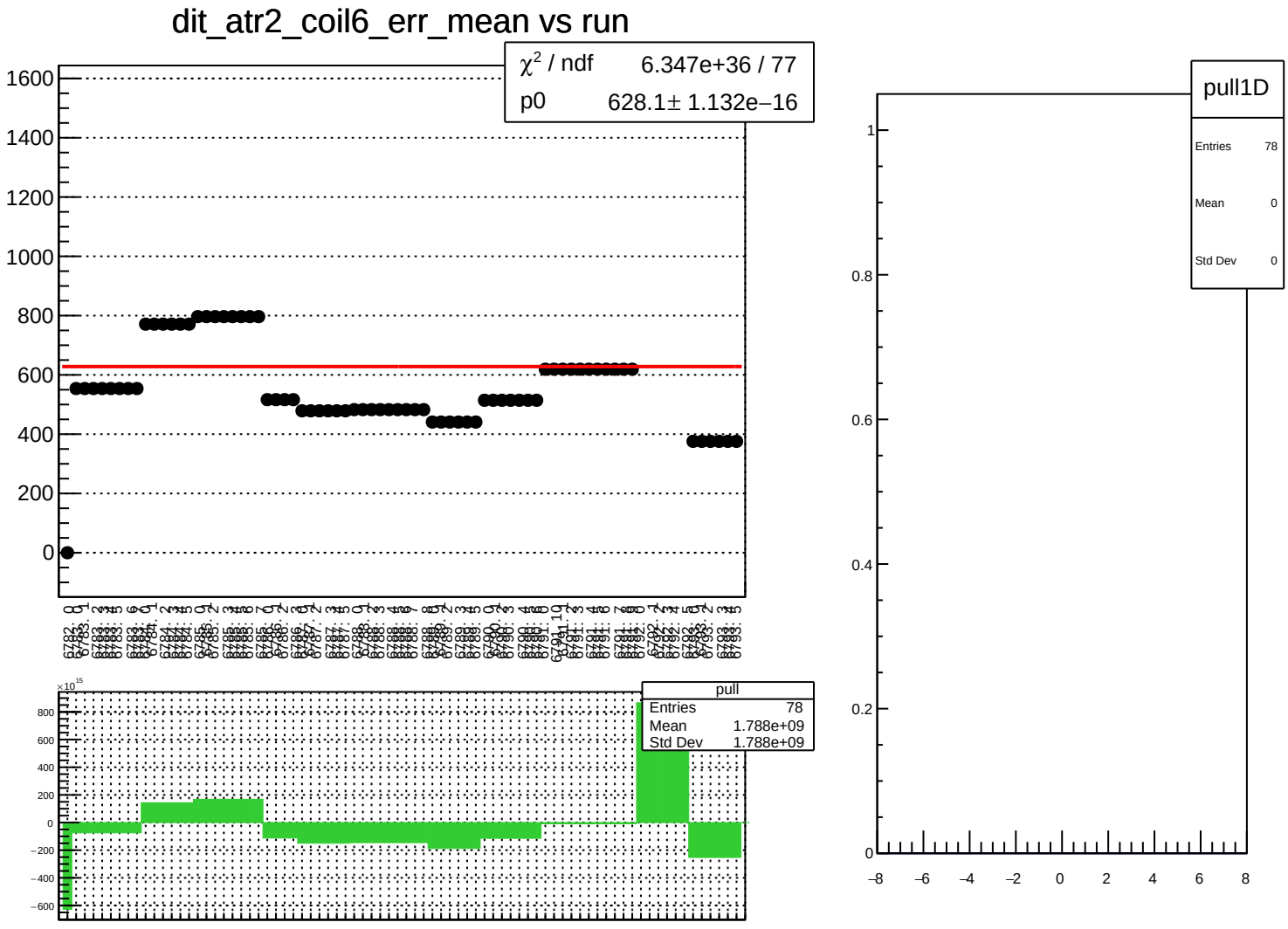

dit_atr1_coil6_err_mean vs run
χ² / ndf 3.97e+34 / 77
p0 129.3 ± 1.132e−16
pull
Entries 78
Mean −3.391e+08
Std Dev 3.391e+08
pull1D
Entries 78
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run

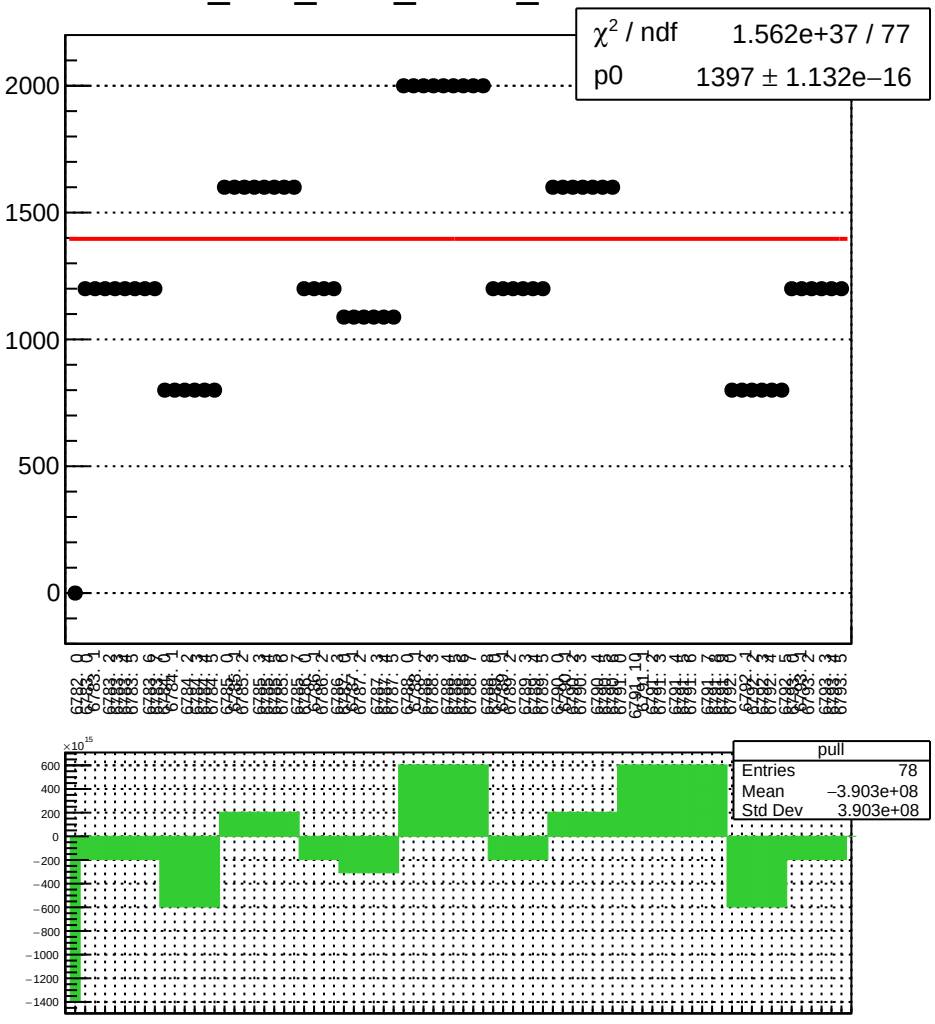


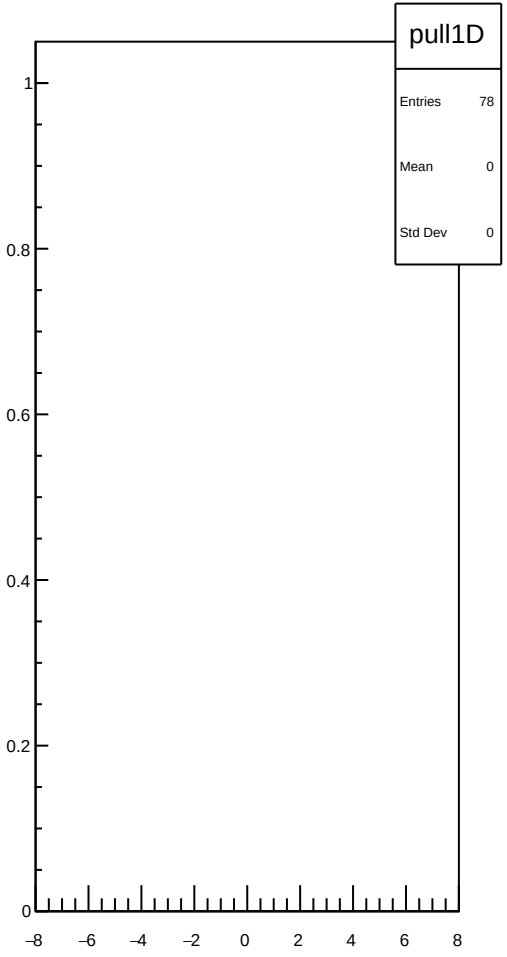


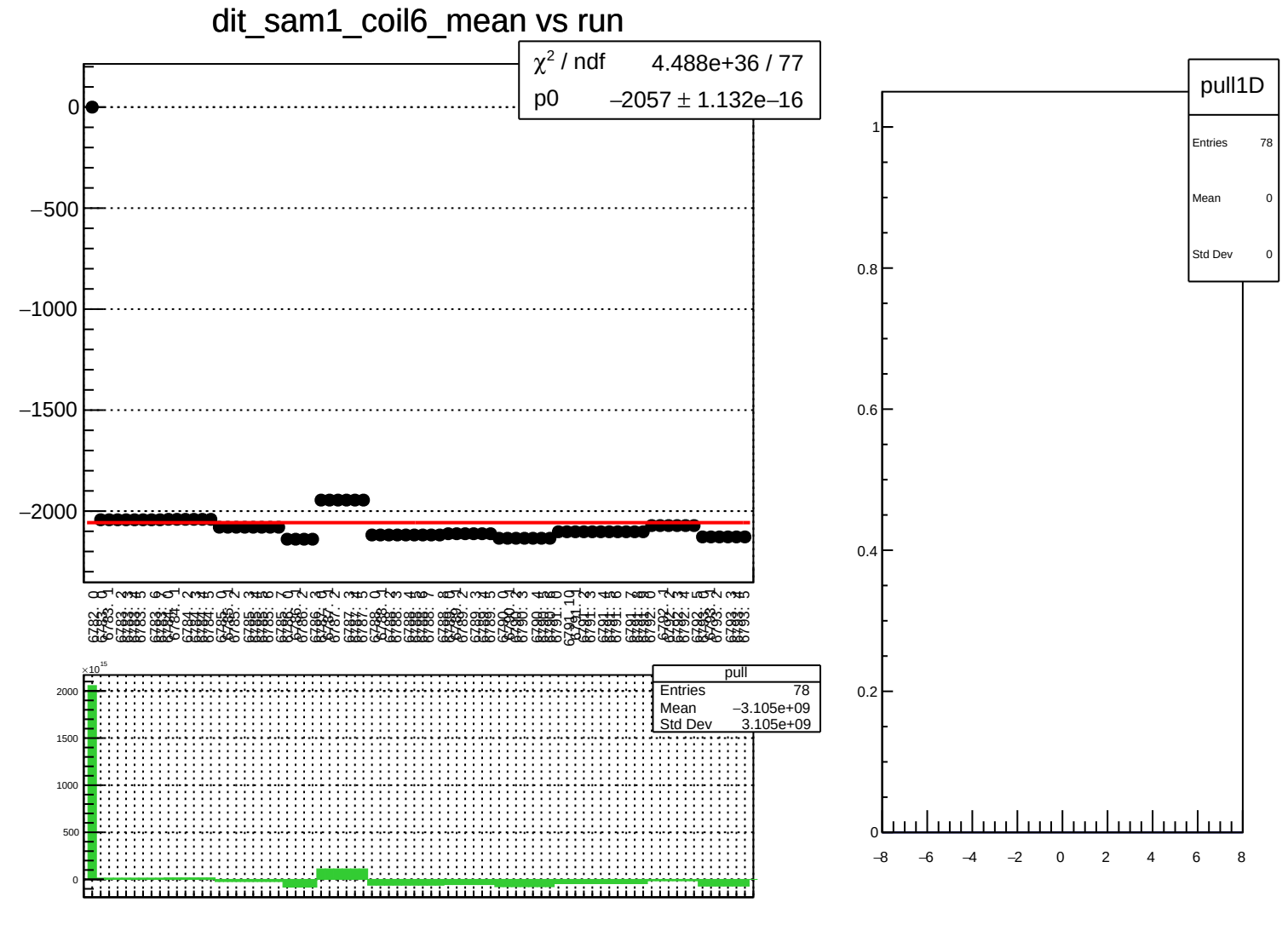

dit_atr2_coil6_mean vs run
χ² / ndf 5.031e+37 / 77
p0 –6706 ± 1.132e–16
pull
Entries 78
Mean 1.105e+09
Std Dev 1.105e+09
pull1D
Entries 78
Mean 0
Std Dev 0


dit_atr2_coil6_err_mean vs run
χ² / ndf 6.347e+36 / 77
p0 628.1± 1.132e−16
pull
Entries 78
Mean 1.788e+09
Std Dev 1.788e+09
pull1D
Entries 78
Mean 0
Std Dev 0

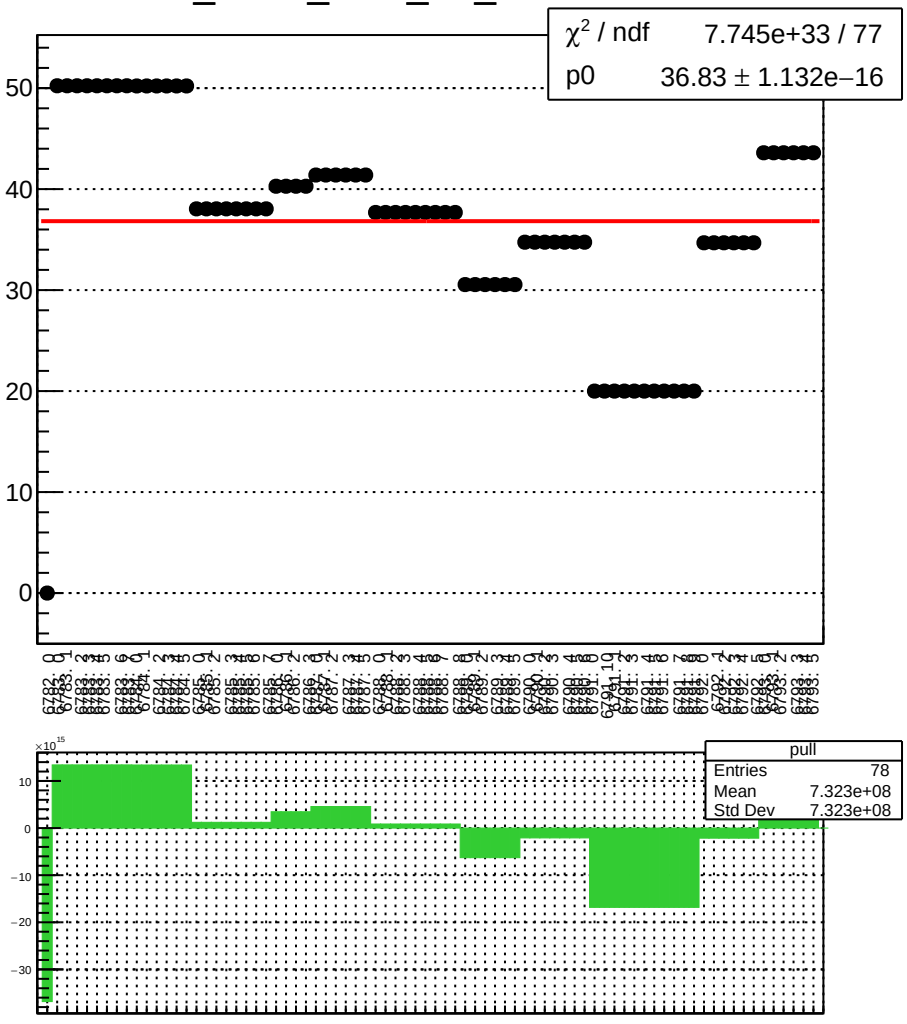
dit_atr2_coil6_Ndata_mean vs run

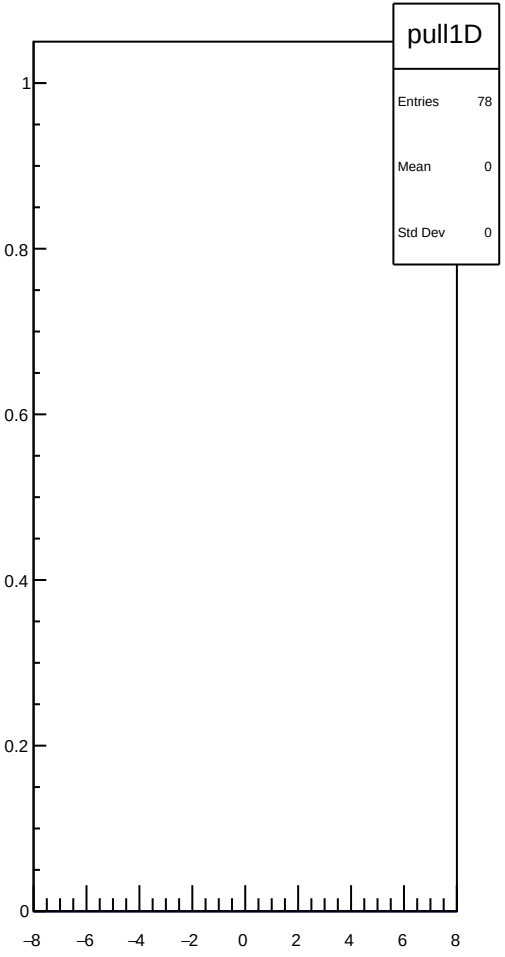




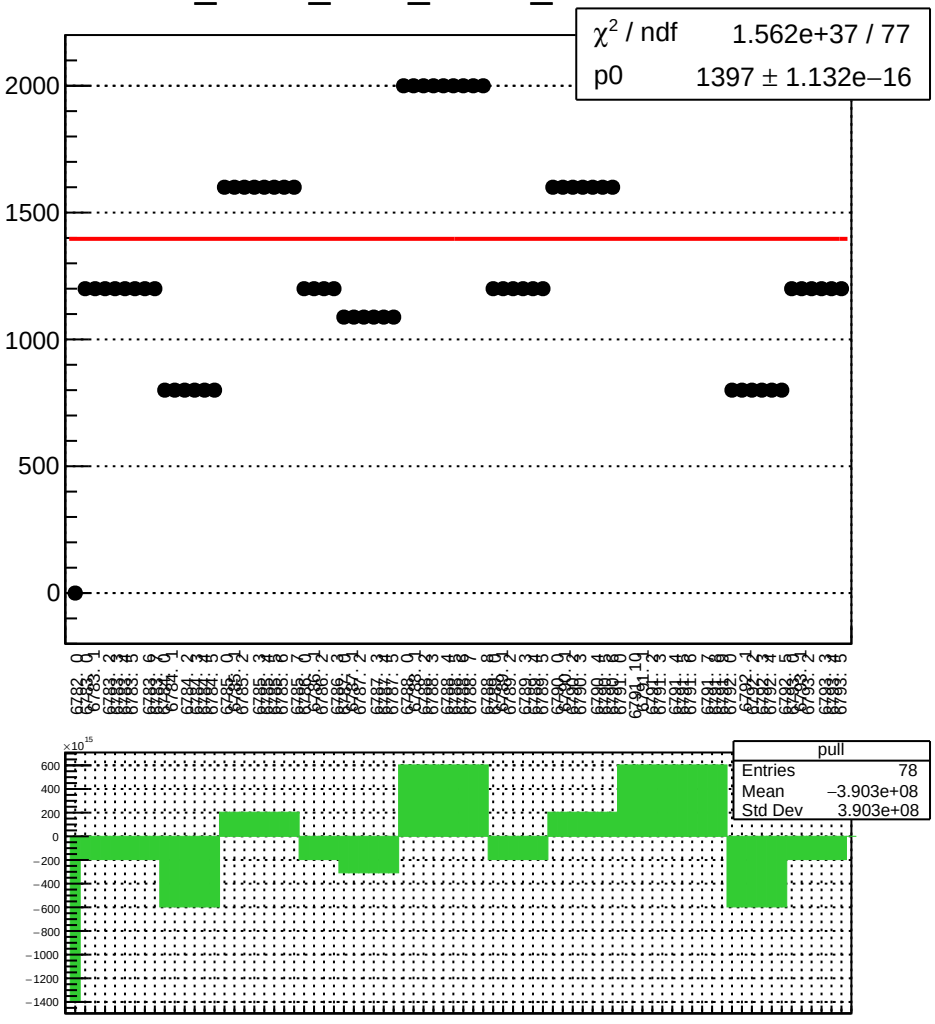

dit_sam1_coil6_mean vs run
χ² / ndf 4.488e+36 / 77
p0 –2057 ± 1.132e–16
0
–500
–1000
–1500
–2000
pull
Entries 78
Mean –3.105e+09
Std Dev 3.105e+09
×10¹⁵
2000
1500
1000
500
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

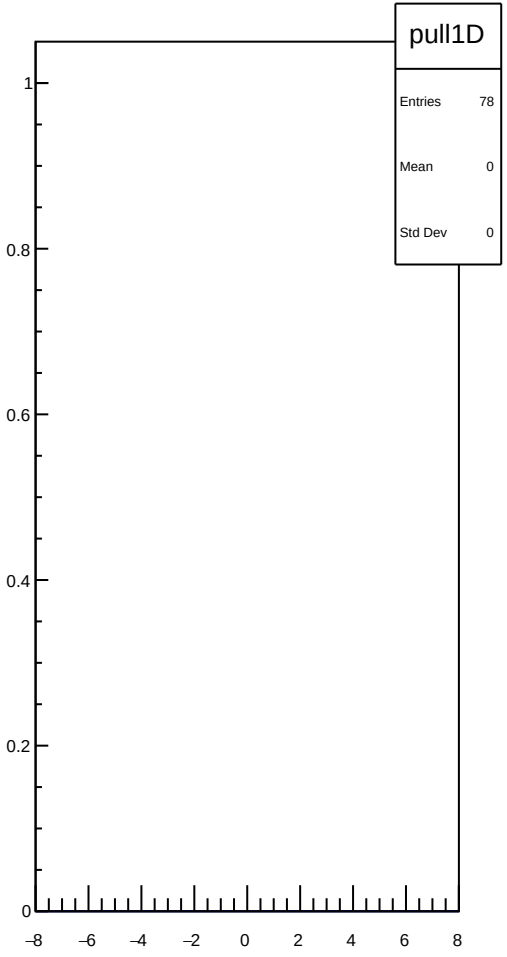
dit_sam1_coil6_err_mean vs run

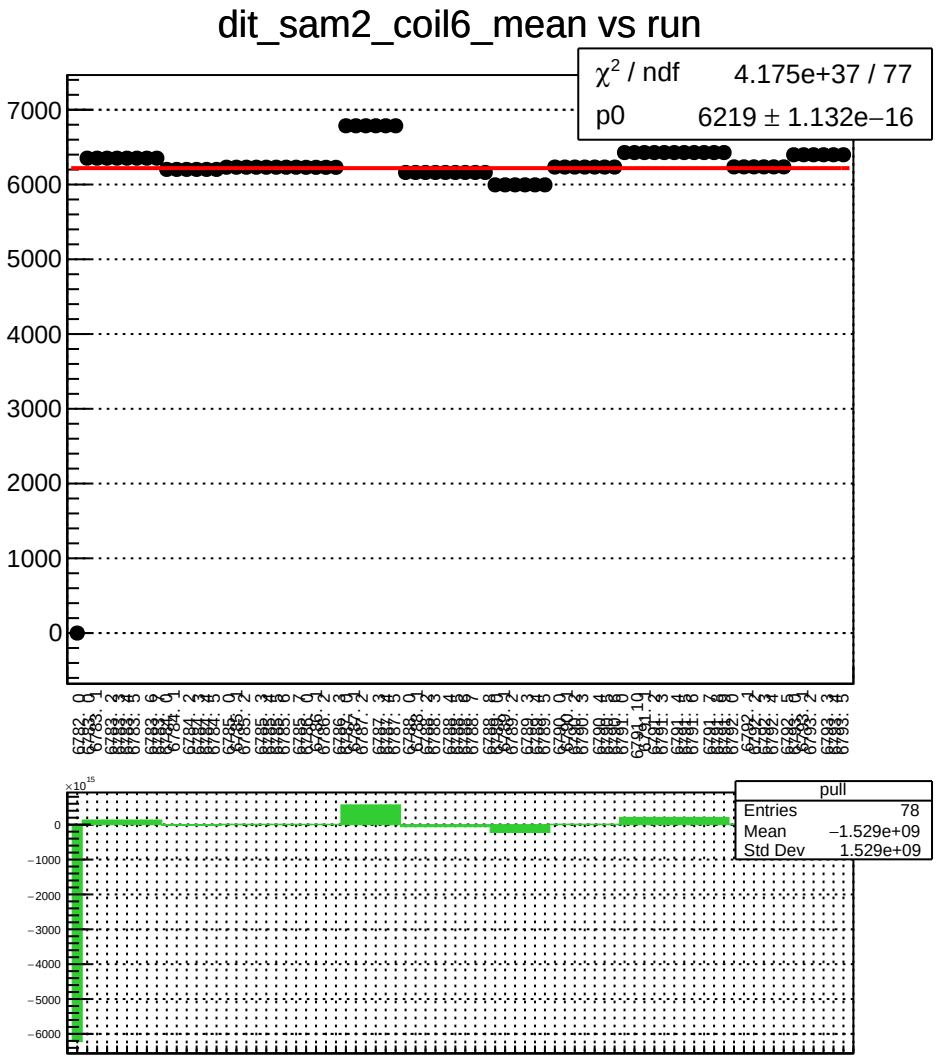


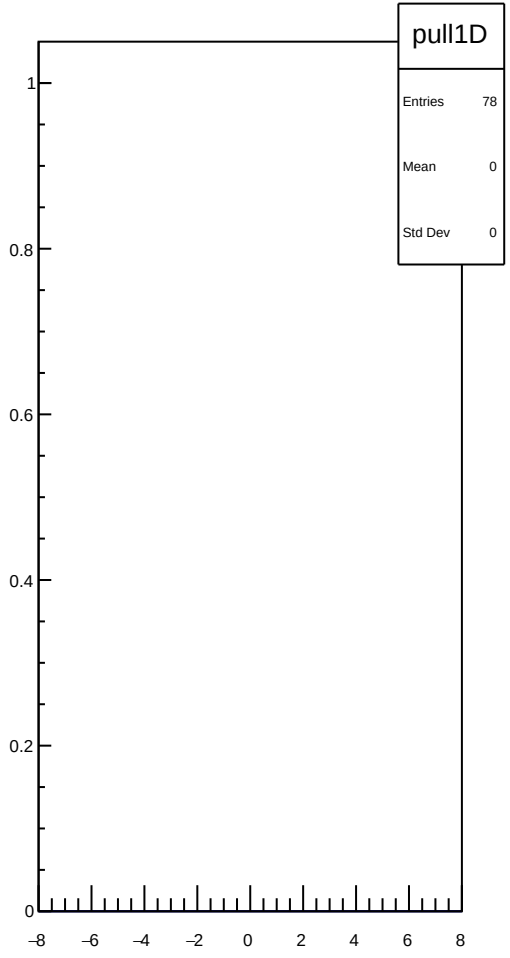


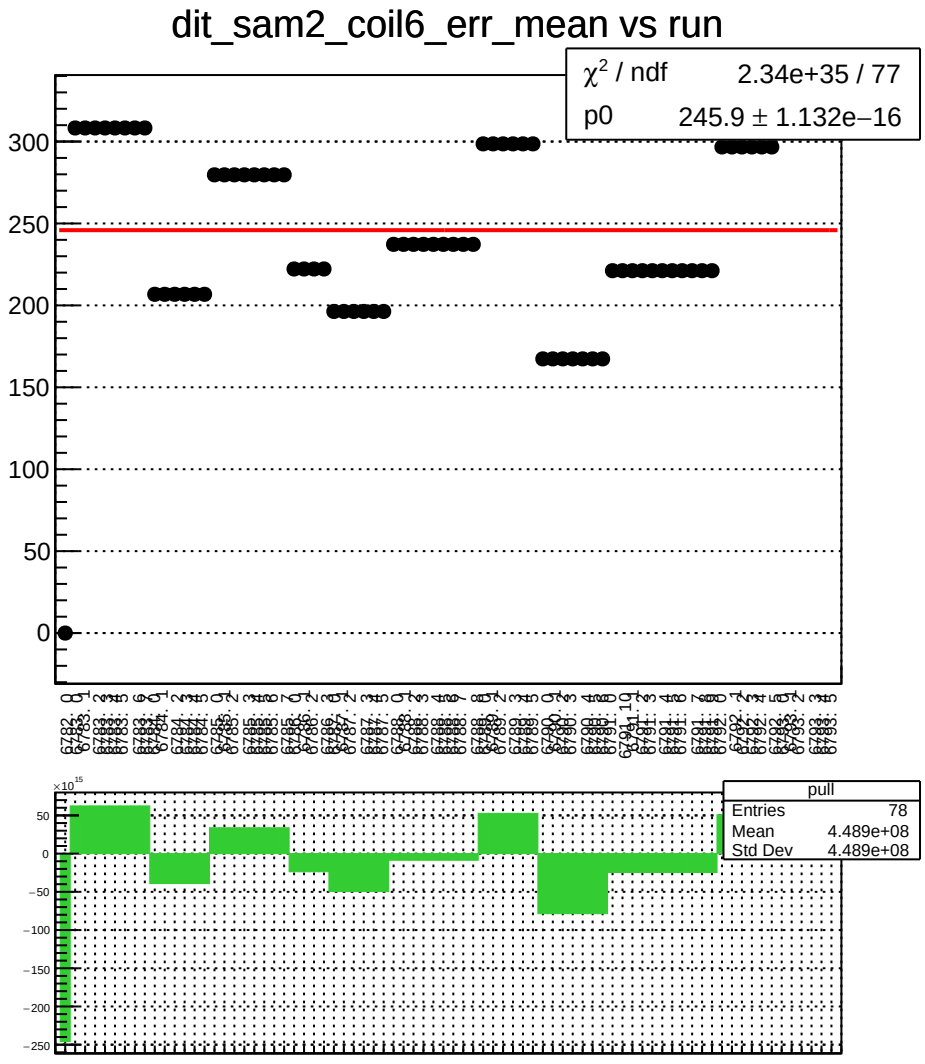
dit_sam1_coil6_Ndata_mean vs run

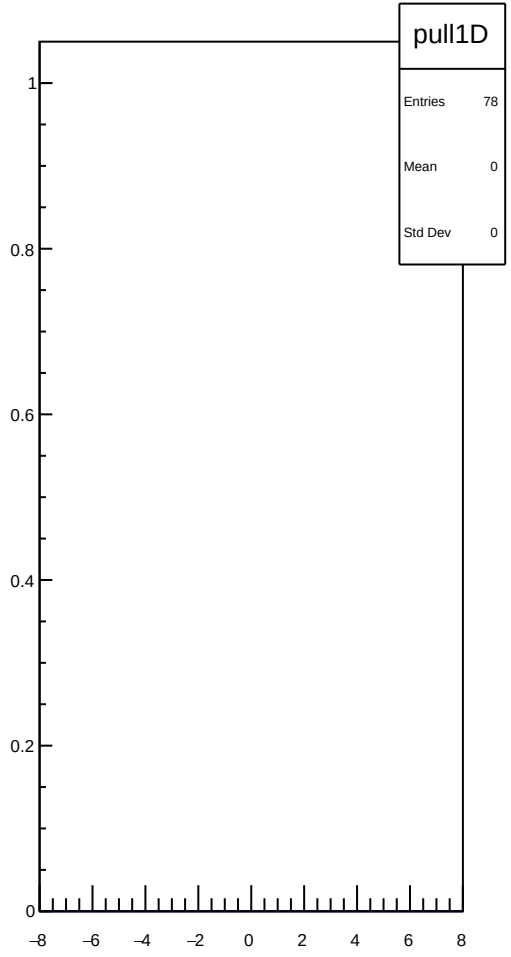




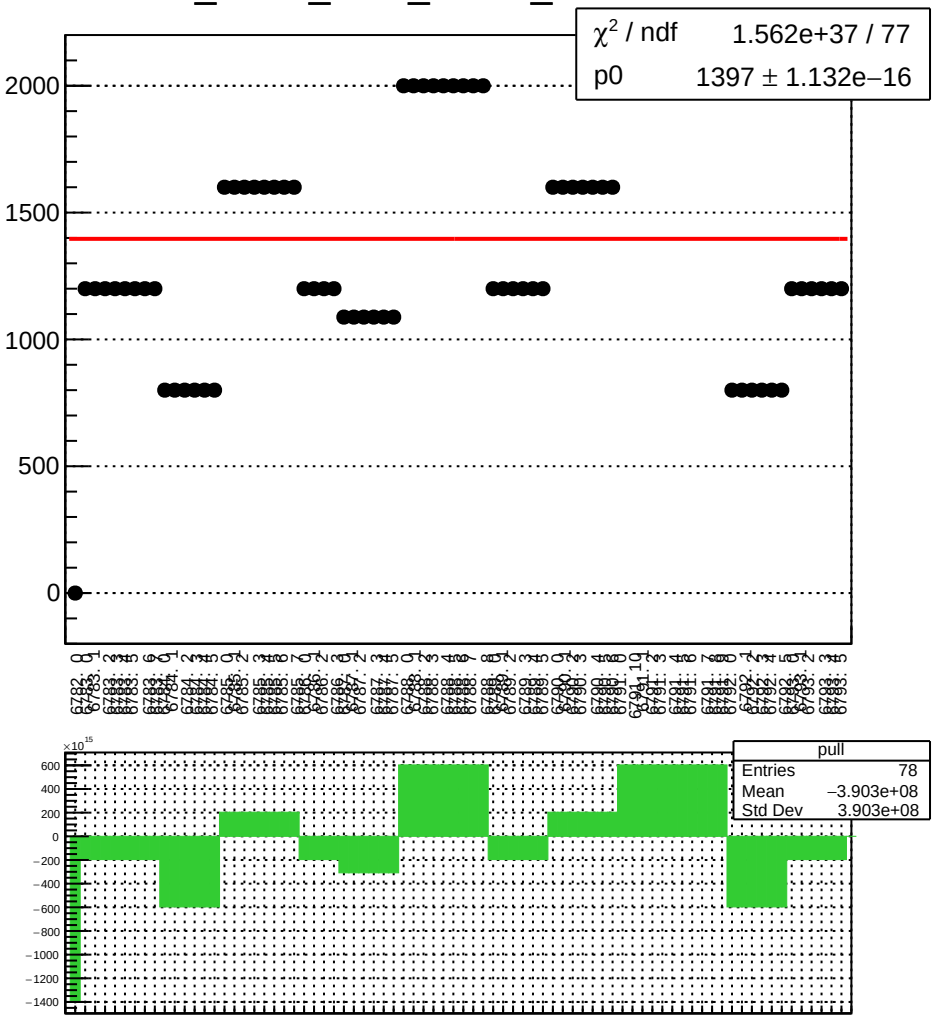

dit_sam2_coil6_mean vs run
χ² / ndf 4.175e+37 / 77
p0 6219 ± 1.132e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.529e+09
Std Dev 1.529e+09
×10¹⁵
0
−1000
−2000
−3000
−4000
−5000
−6000

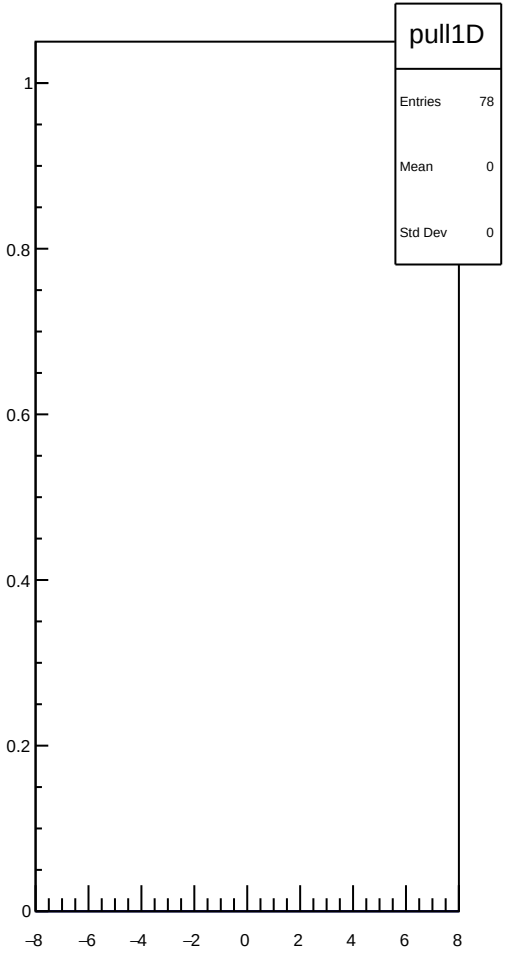

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

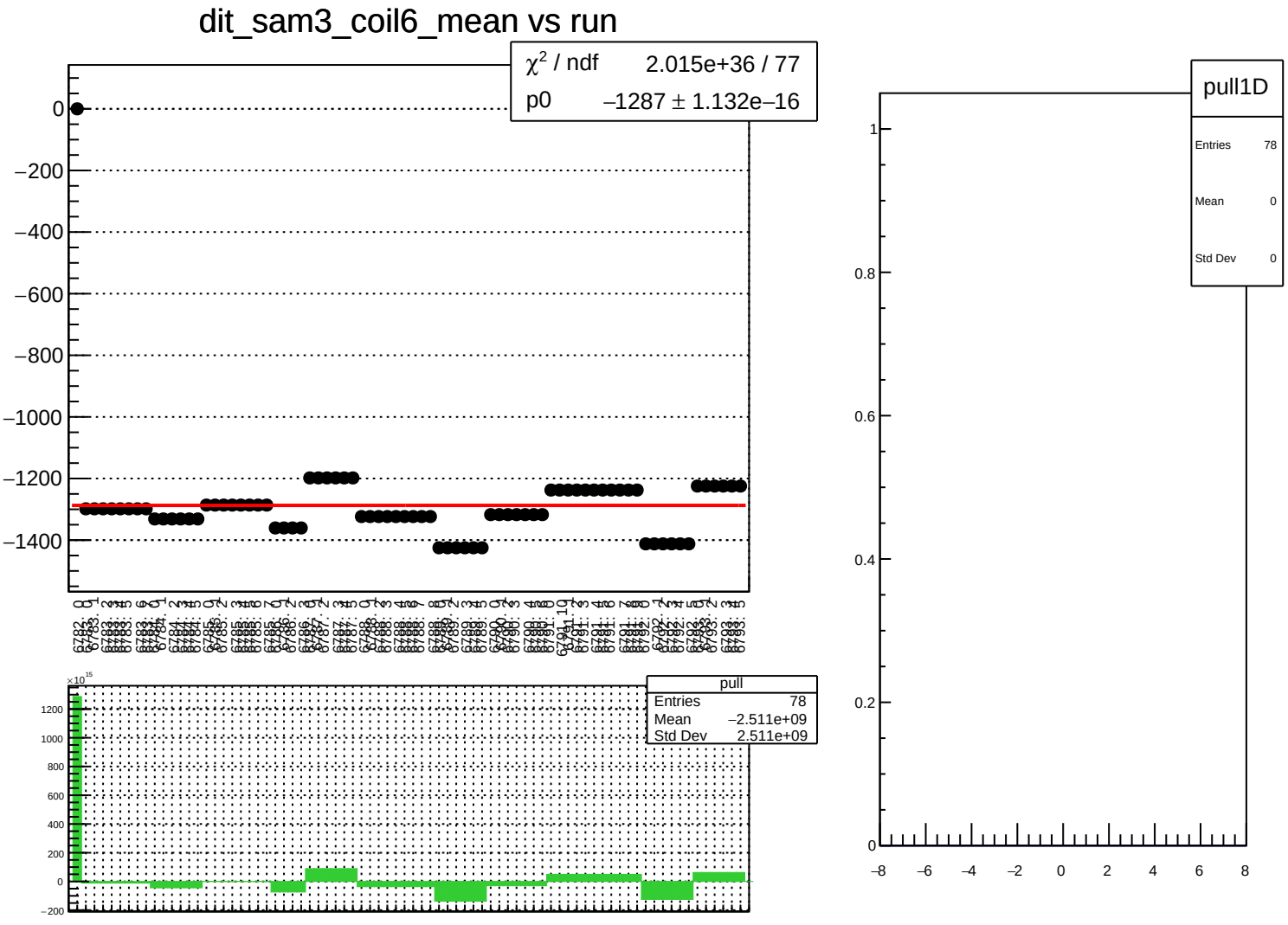

dit_sam2_coil6_err_mean vs run
χ^2 / ndf 2.34e+35 / 77
p0 245.9 ± 1.132e−16
pull
Entries 78
Mean 4.489e+08
Std Dev 4.489e+08

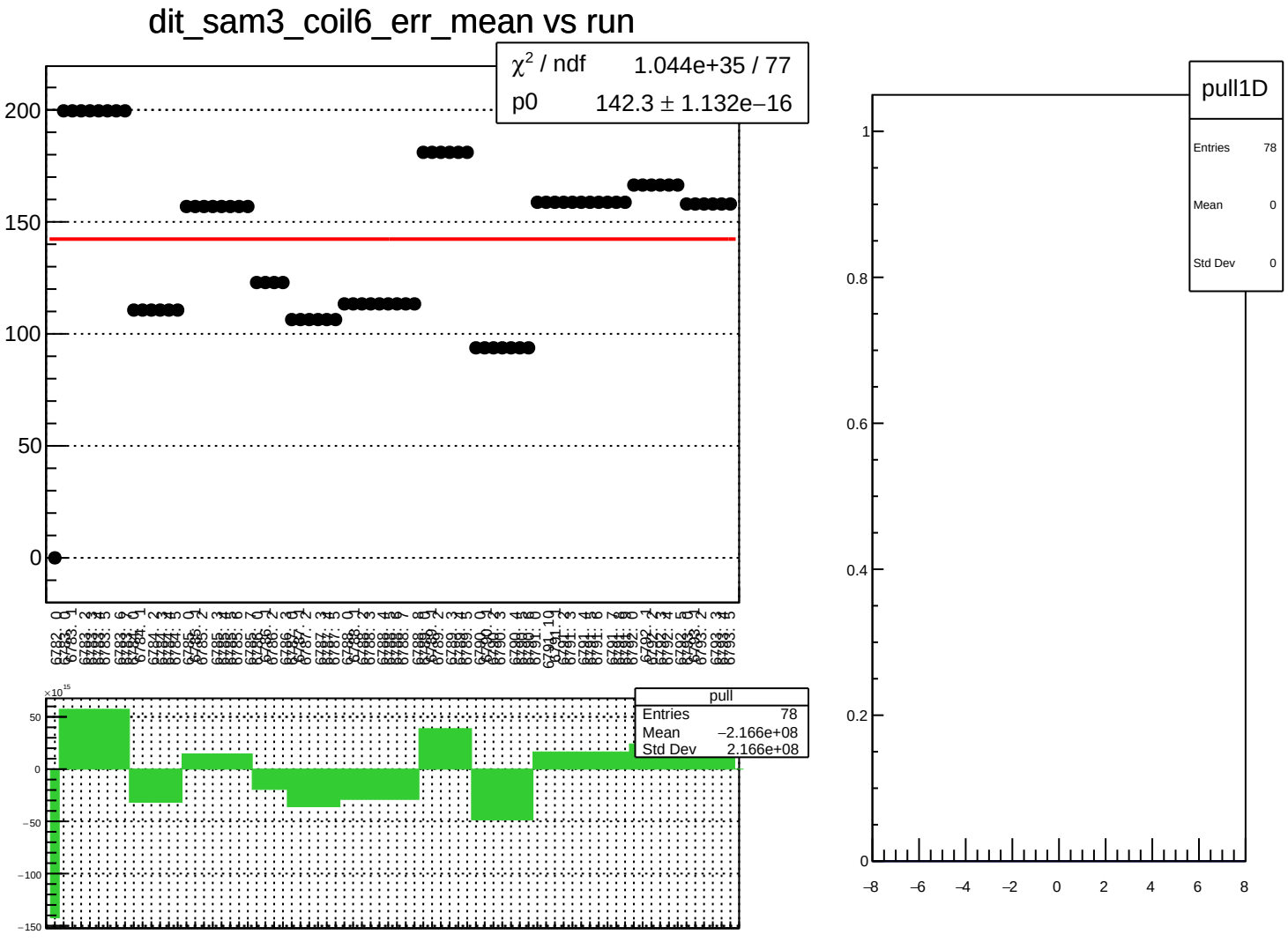

pull1D
Entries 78
Mean 0
Std Dev 0

dit_sam2_coil6_Ndata_mean vs run

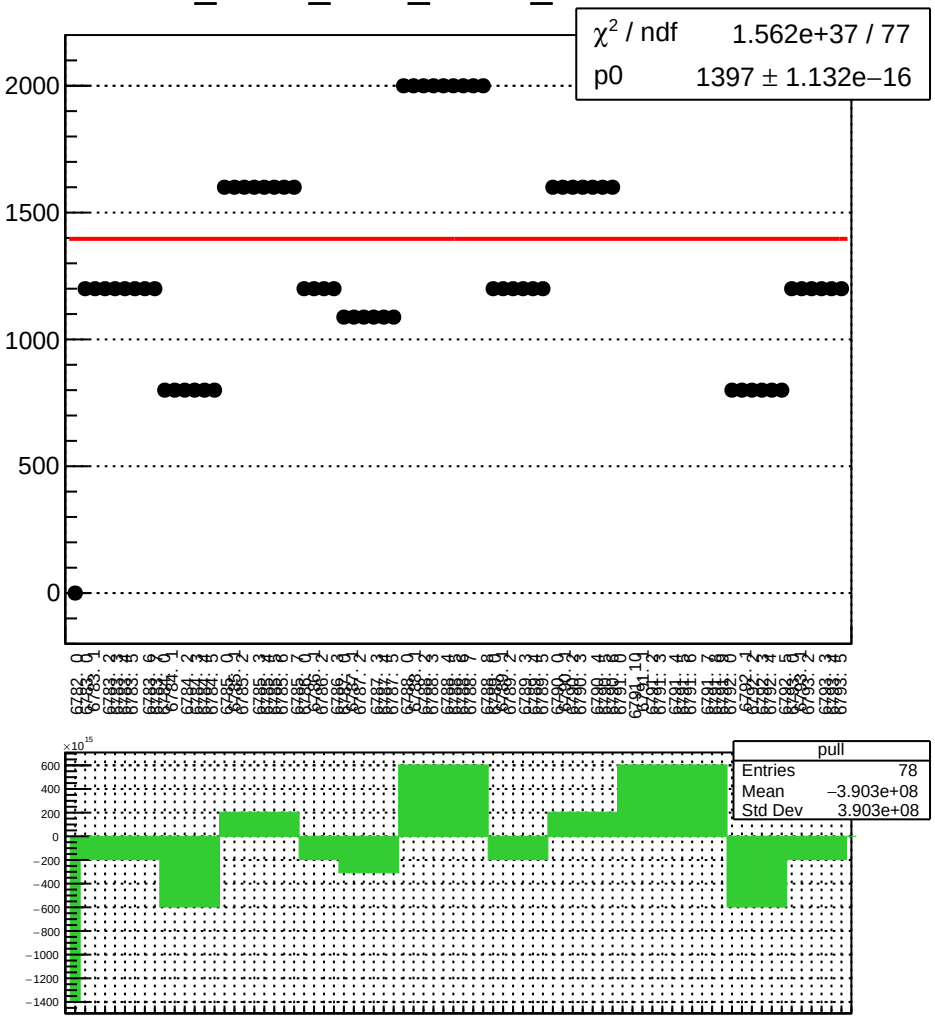


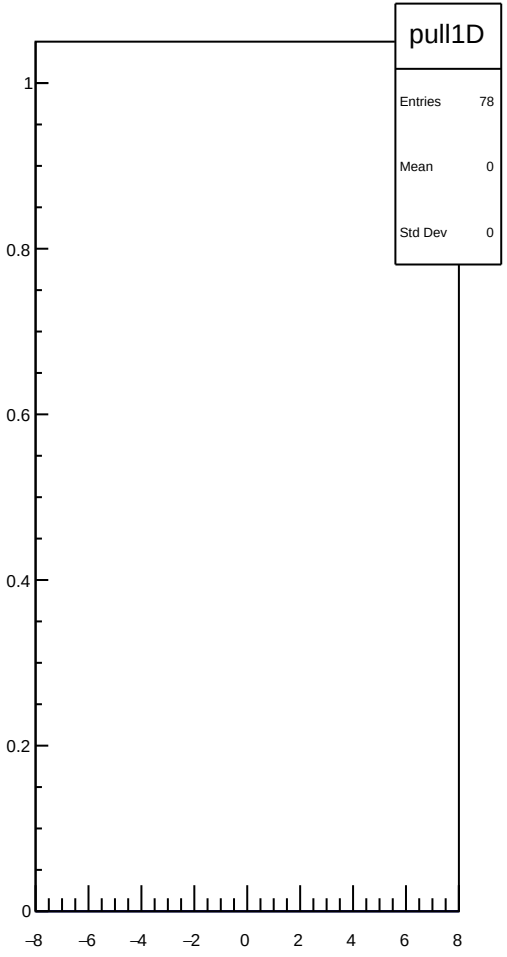



dit_sam3_coil6_mean vs run
χ^2 / ndf 2.015e+36 / 77
p0 –1287 ± 1.132e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 78
Mean –2.511e+09
Std Dev 2.511e+09
pull1D
Entries 78
Mean 0
Std Dev 0

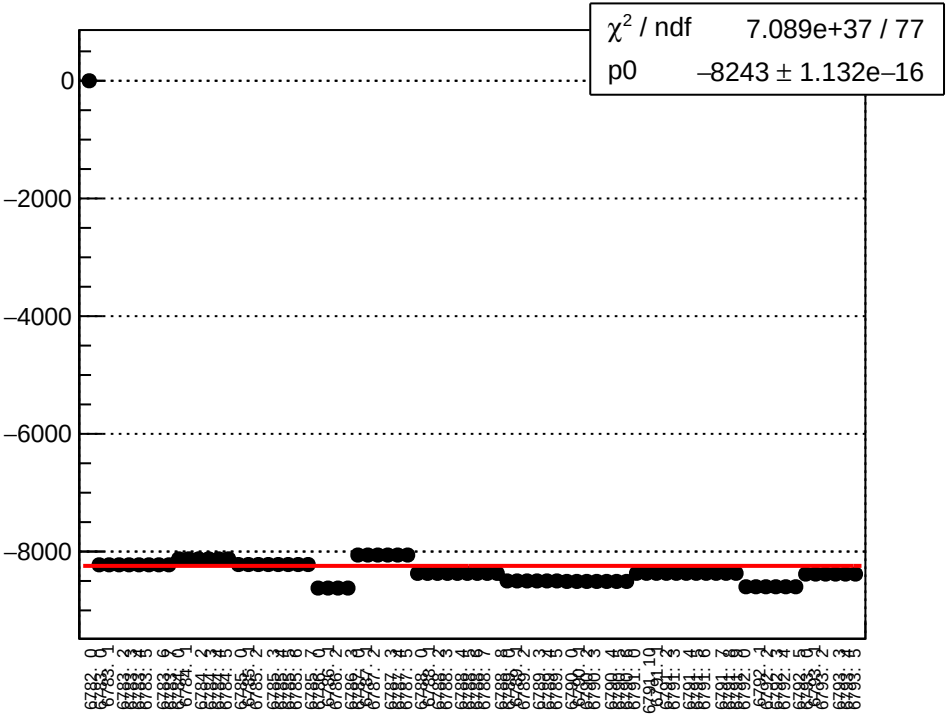

dit_sam3_coil6_err_mean vs run
χ^2 / ndf 1.044e+35 / 77
p0 142.3 ± 1.132e−16
pull
Entries 78
Mean −2.166e+08
Std Dev 2.166e+08
pull1D
Entries 78
Mean 0
Std Dev 0

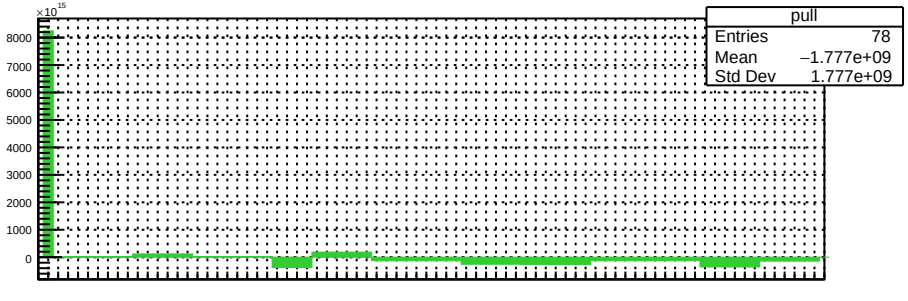
dit_sam3_coil6_Ndata_mean vs run

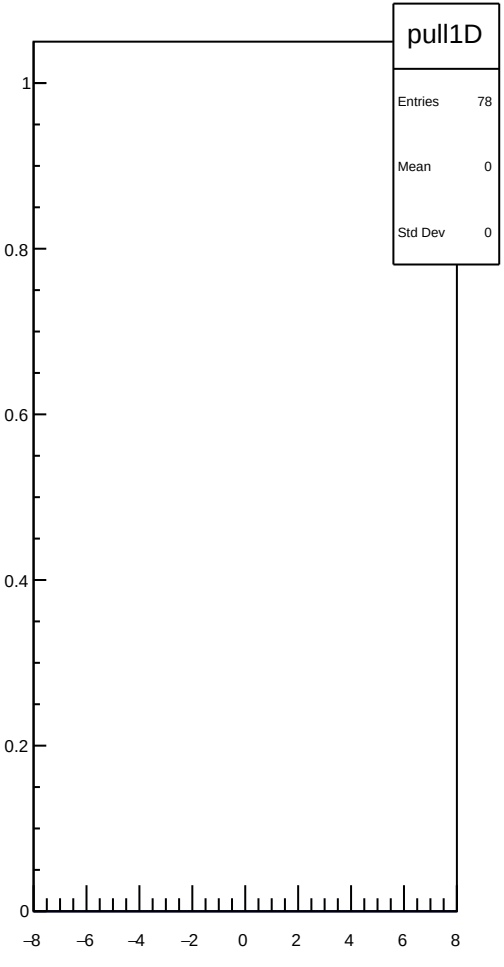


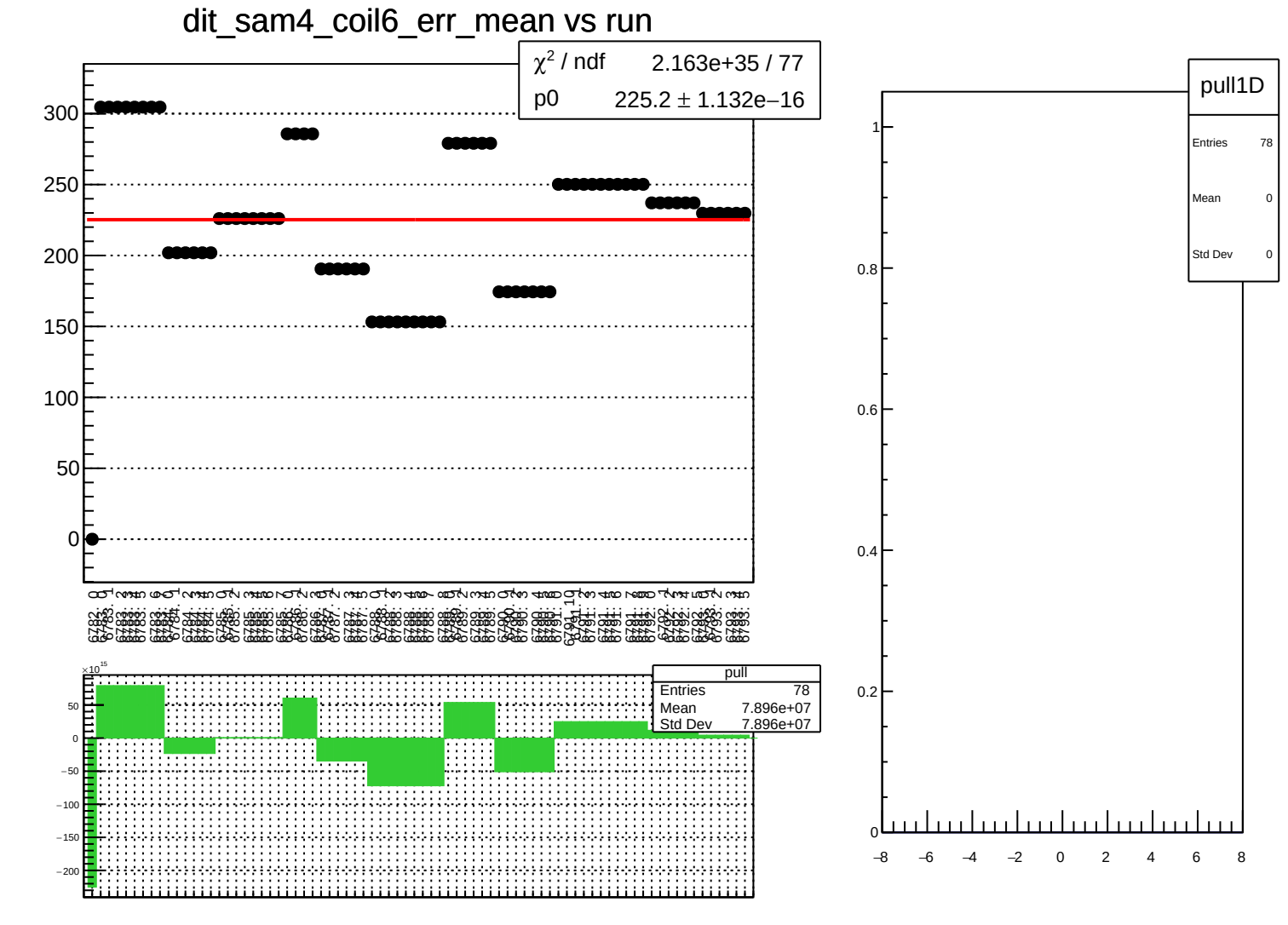


dit_sam4_coil6_mean vs run

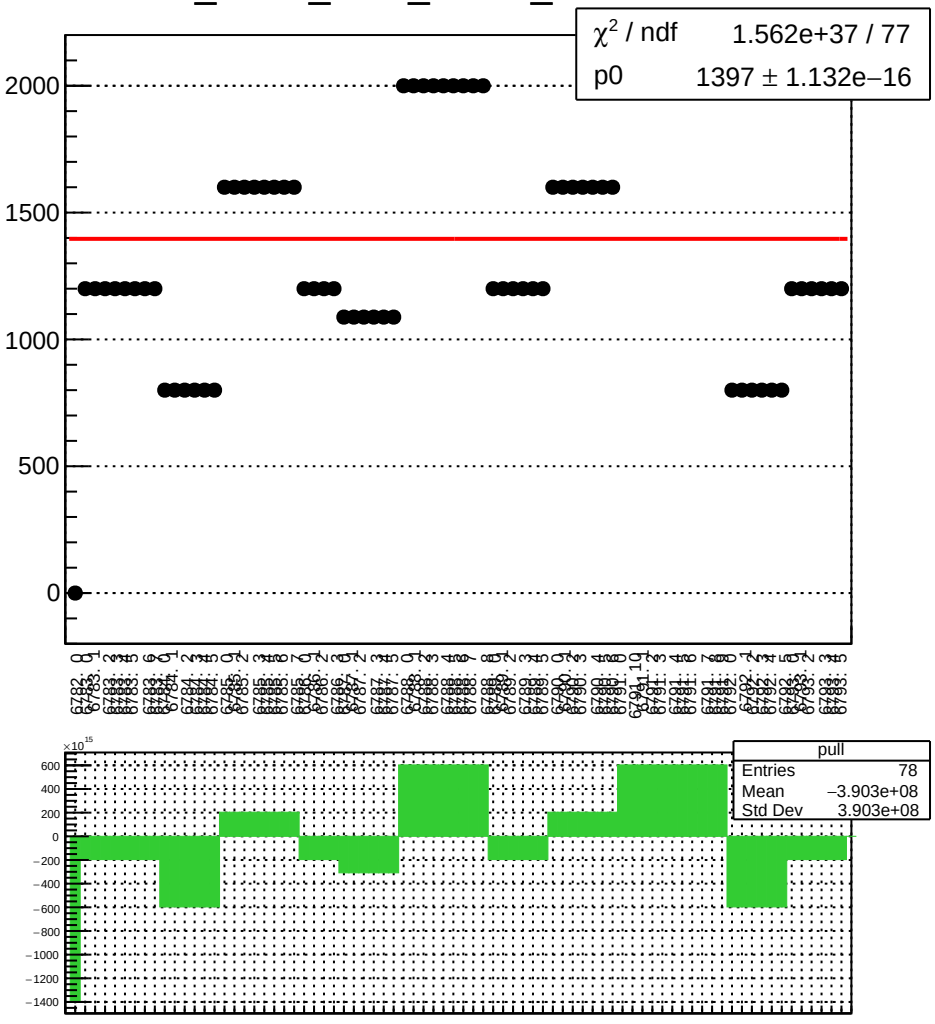


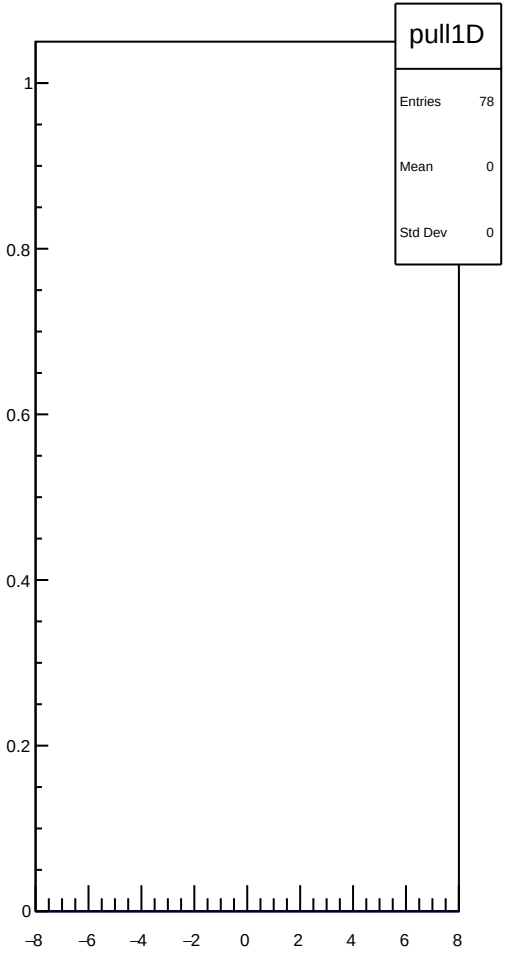


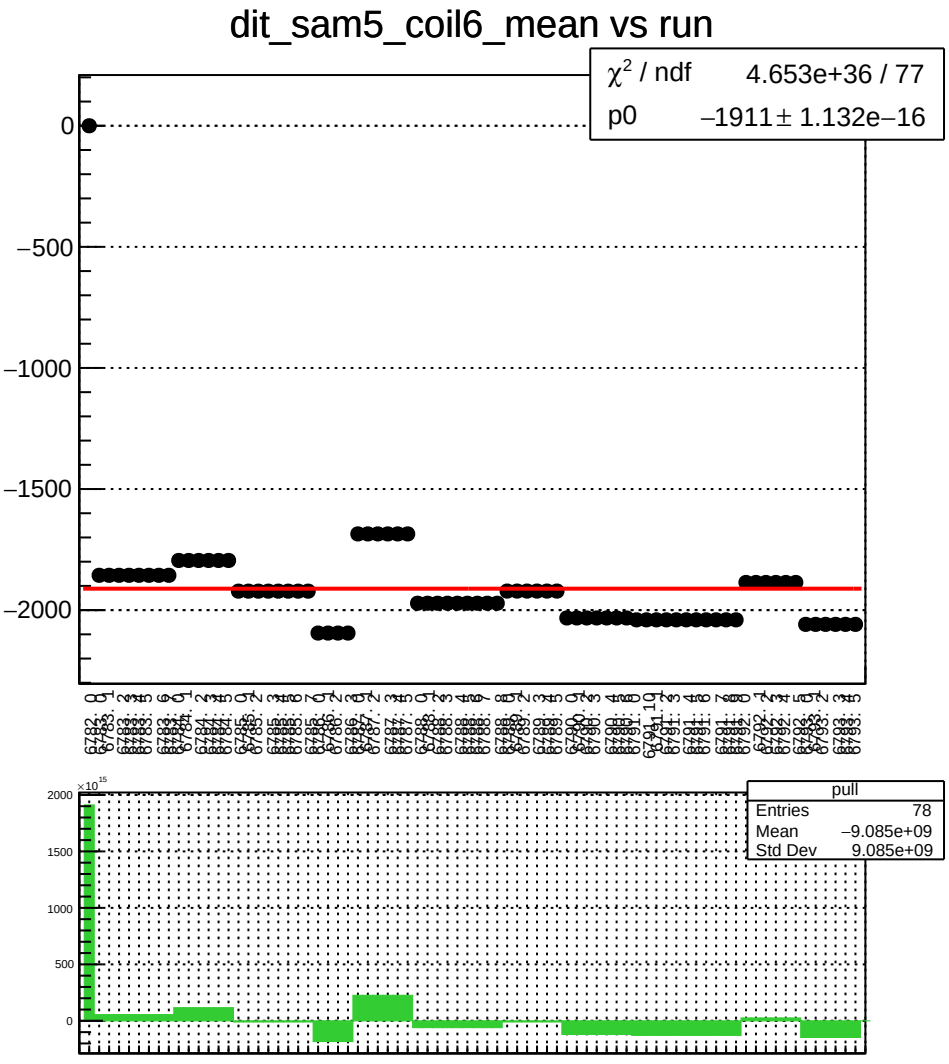


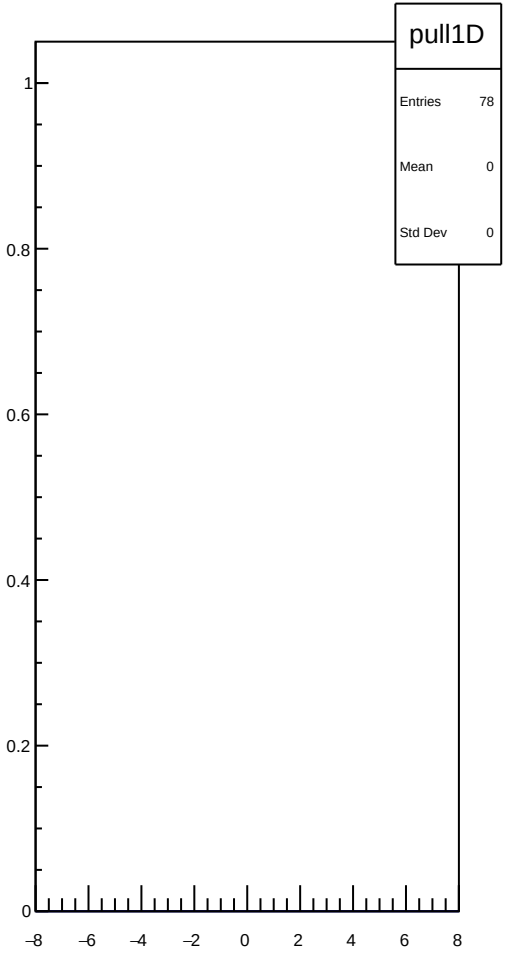

dit_sam4_coil6_err_mean vs run
χ² / ndf 2.163e+35 / 77
p0 225.2 ± 1.132e−16
pull
Entries 78
Mean 7.896e+07
Std Dev 7.896e+07
pull1D
Entries 78
Mean 0
Std Dev 0

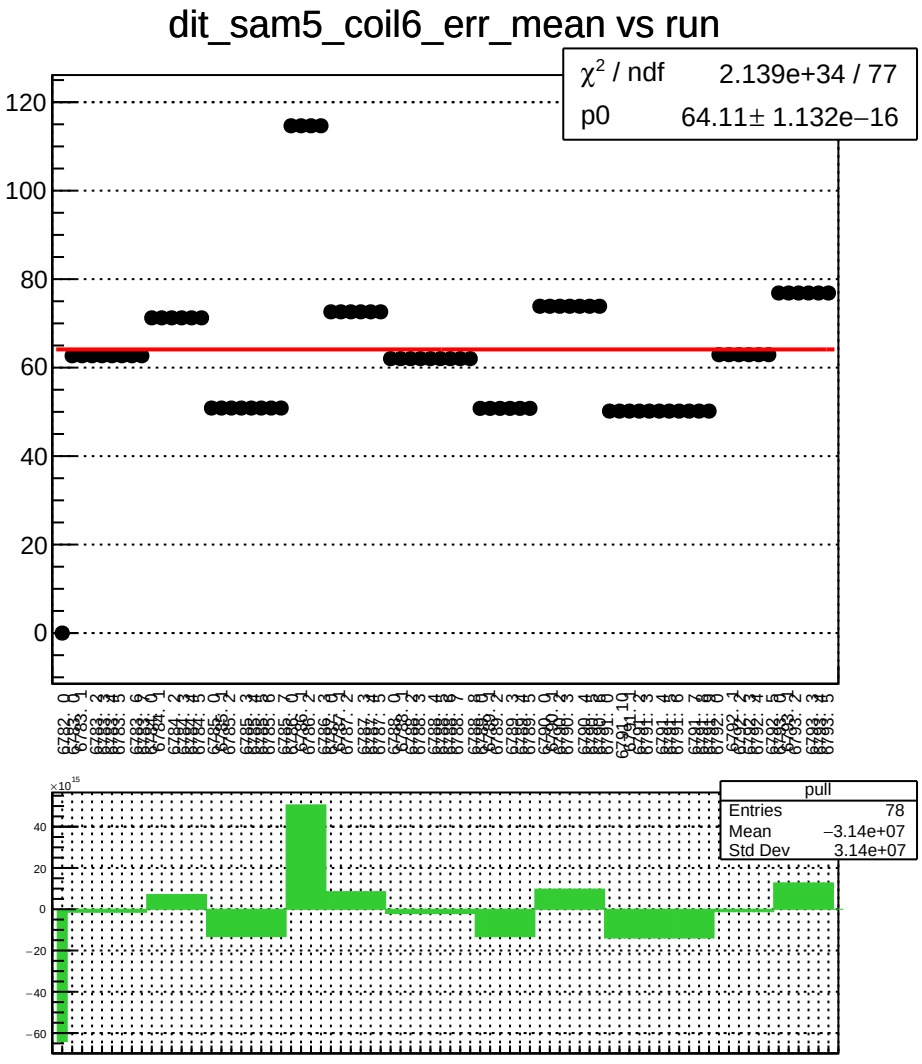
dit_sam4_coil6_Ndata_mean vs run

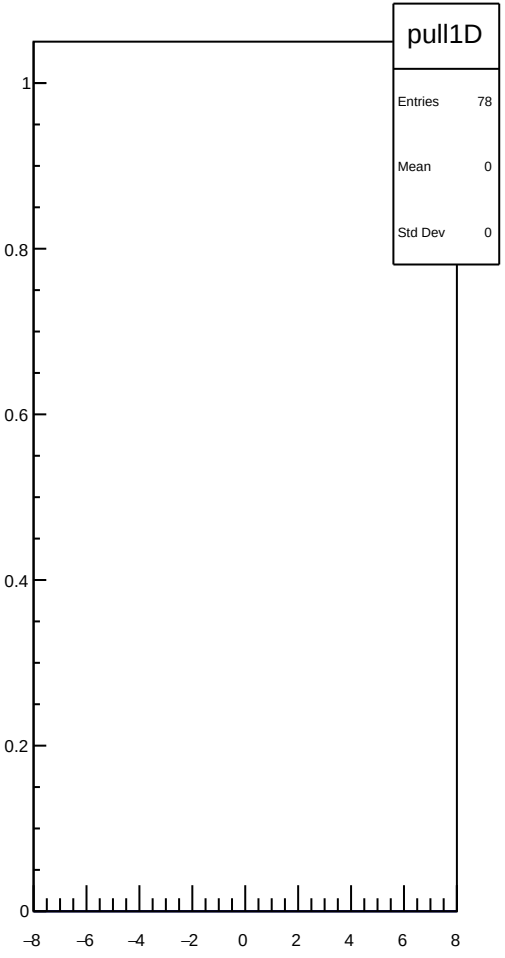


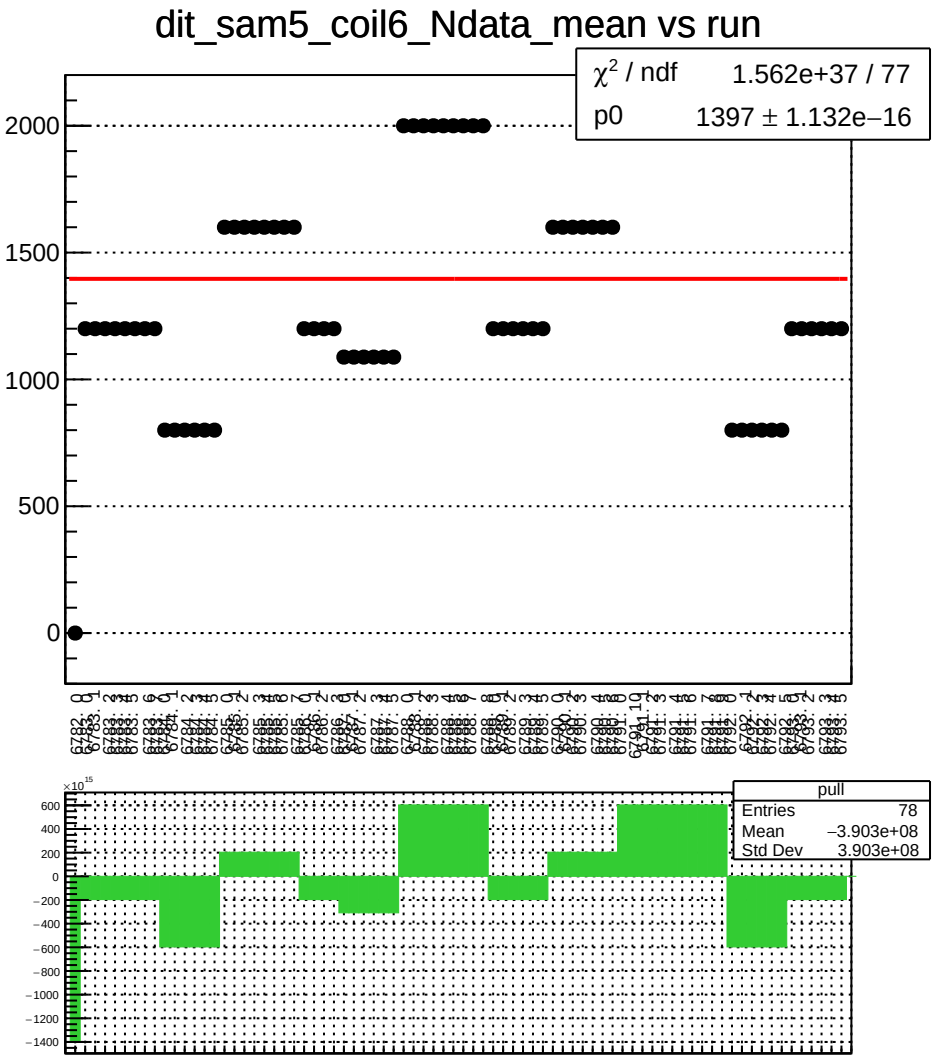


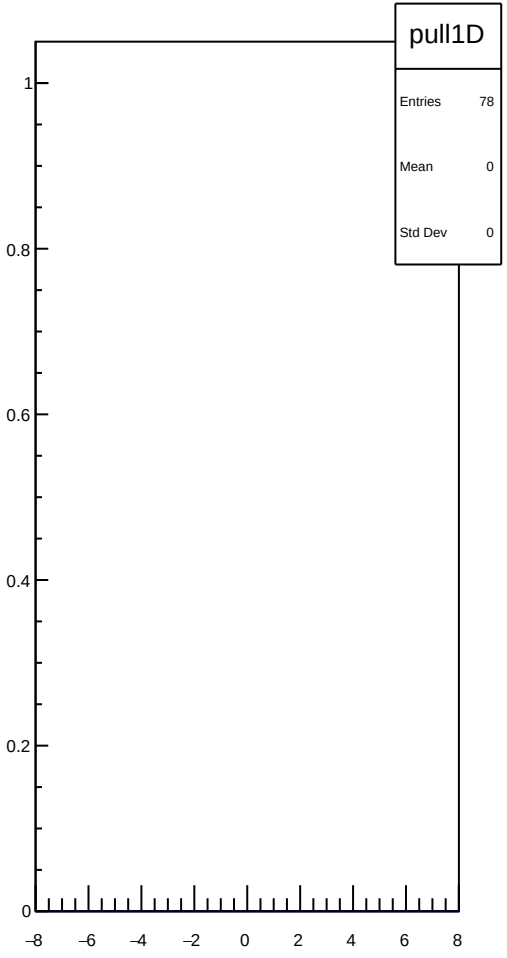

dit_sam5_coil6_mean vs run
χ^2 / ndf 4.653e+36 / 77
p0 –1911 ± 1.132e–16
0
–500
–1000
–1500
–2000
pull
Entries 78
Mean –9.085e+09
Std Dev 9.085e+09
2000
1500
1000
500
0


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

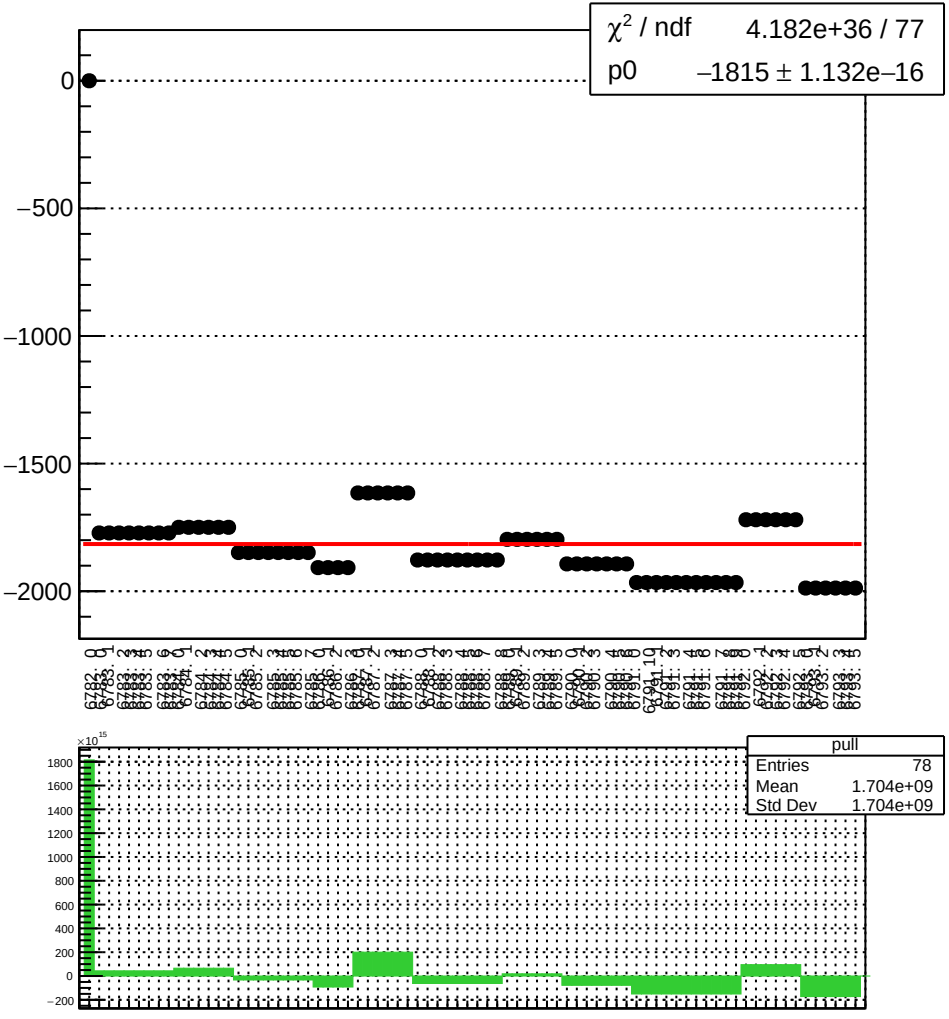

dit_sam5_coil6_err_mean vs run
χ^2 / ndf 2.139e+34 / 77
p0 64.11± 1.132e−16
pull
Entries 78
Mean −3.14e+07
Std Dev 3.14e+07

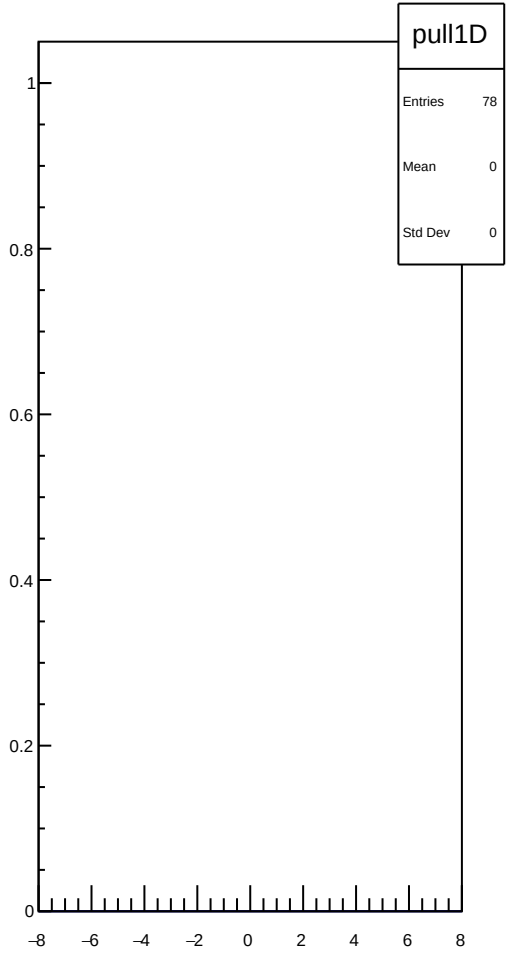

pull1D
Entries 78
Mean 0
Std Dev 0

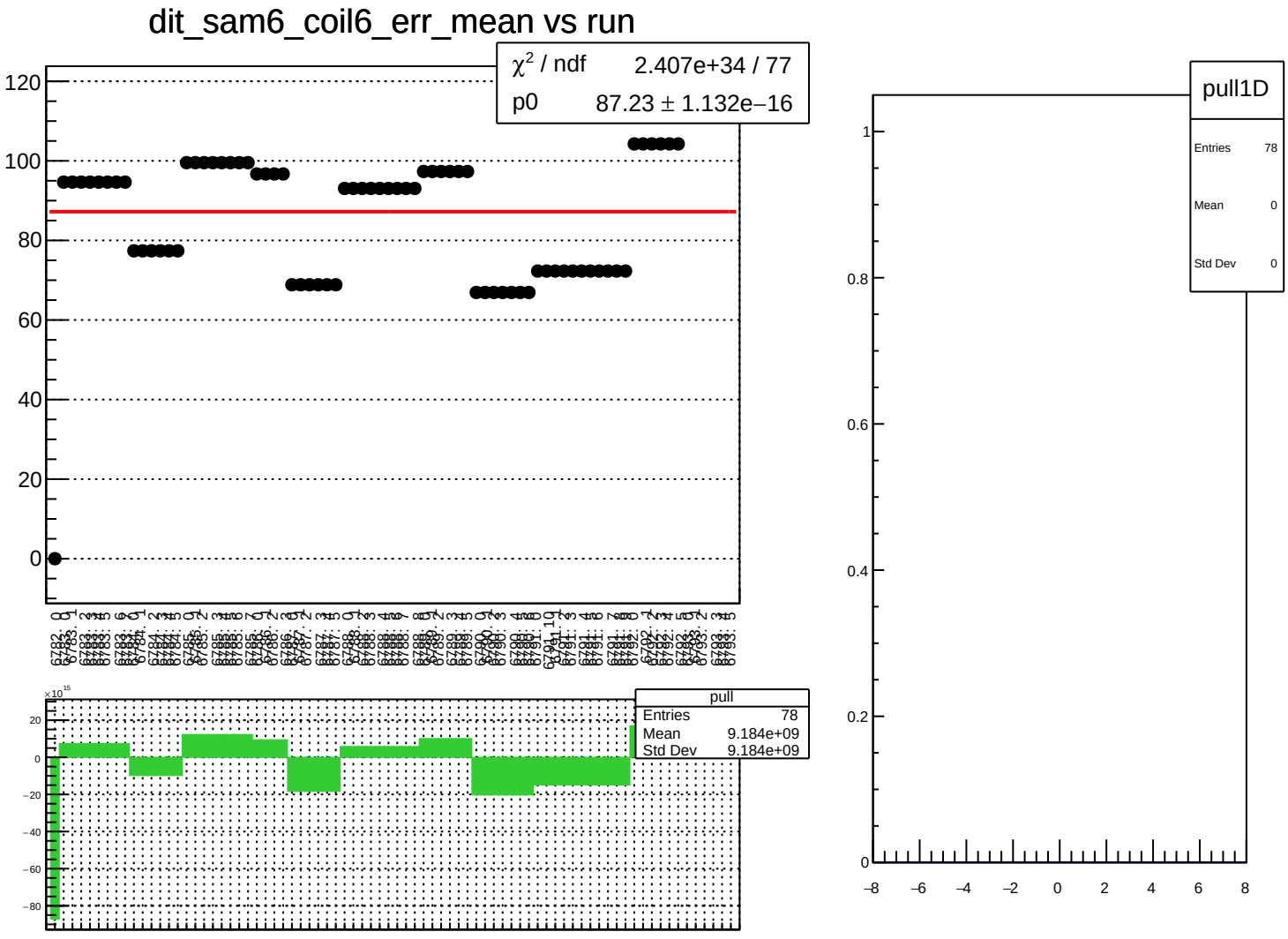

dit_sam5_coil6_Ndata_mean vs run
χ^2 / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400


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

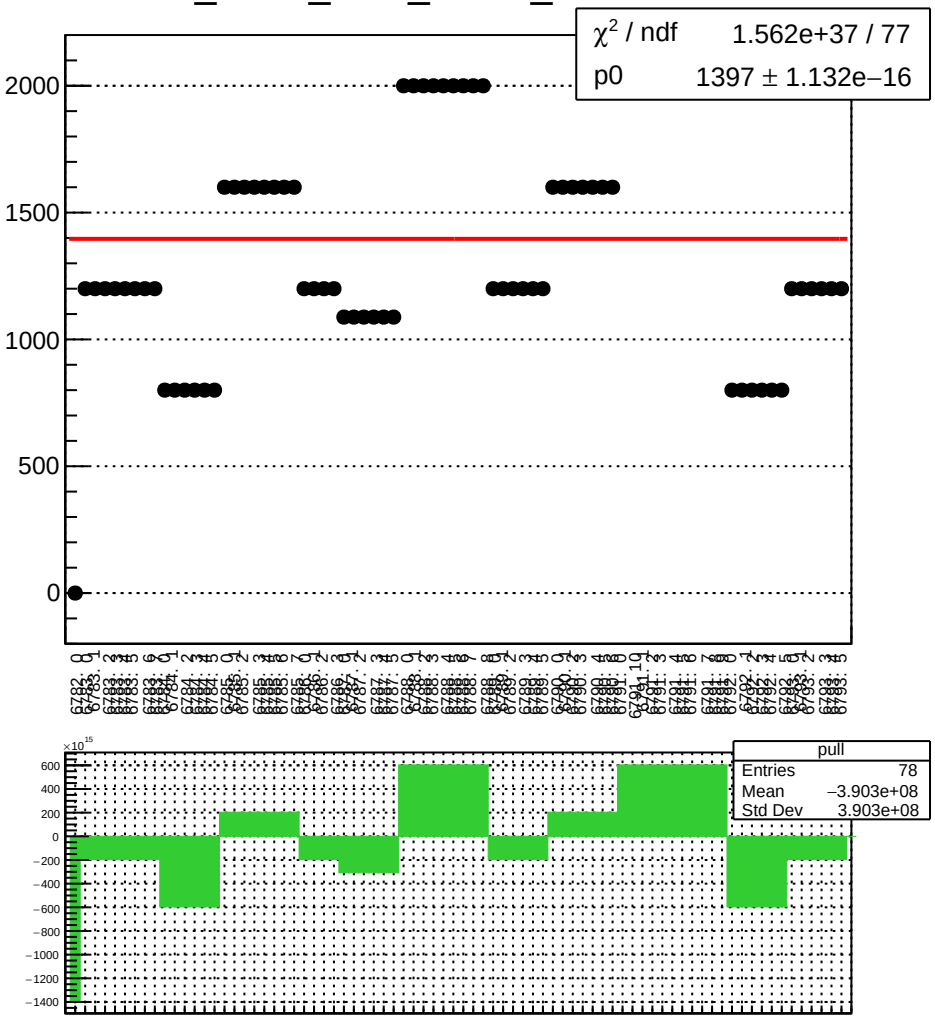
dit_sam6_coil6_mean vs run

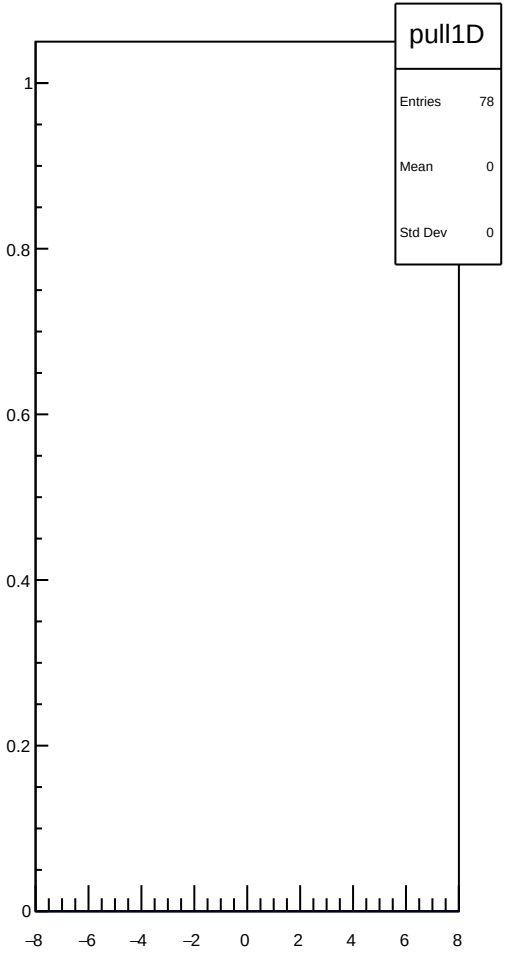


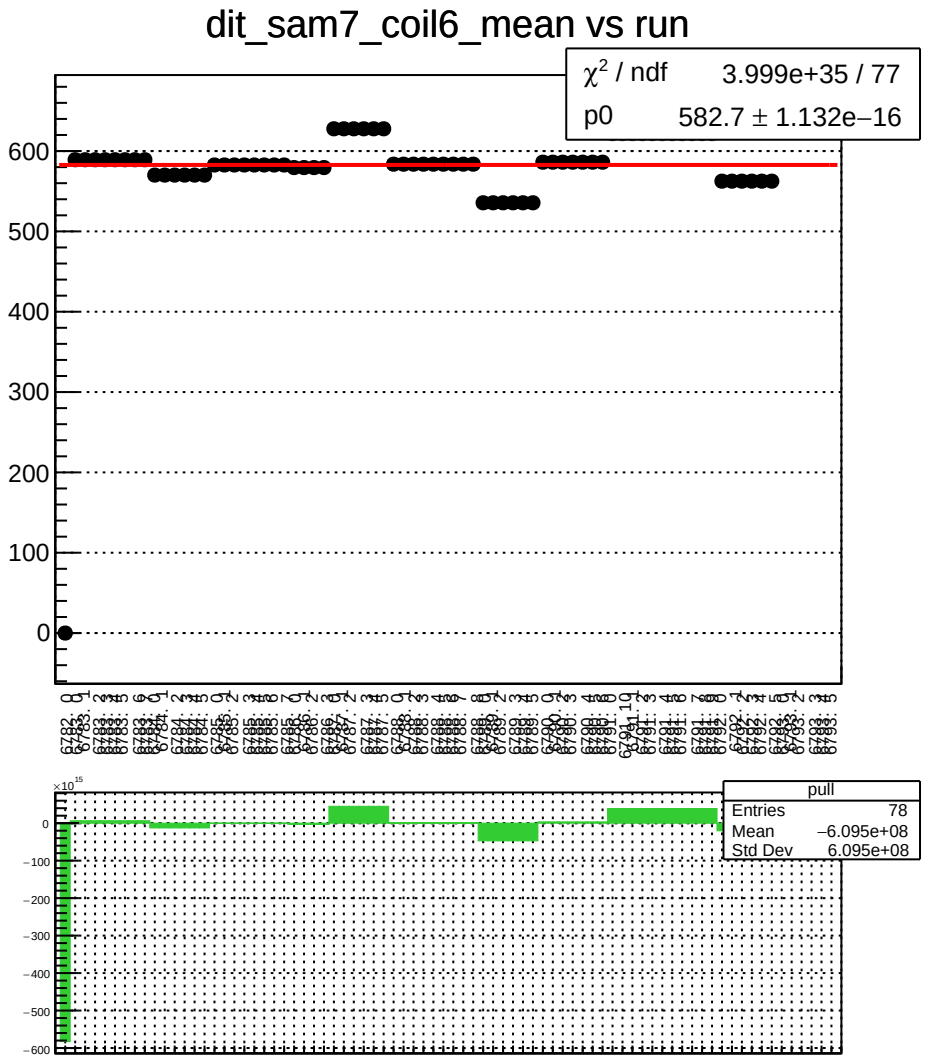


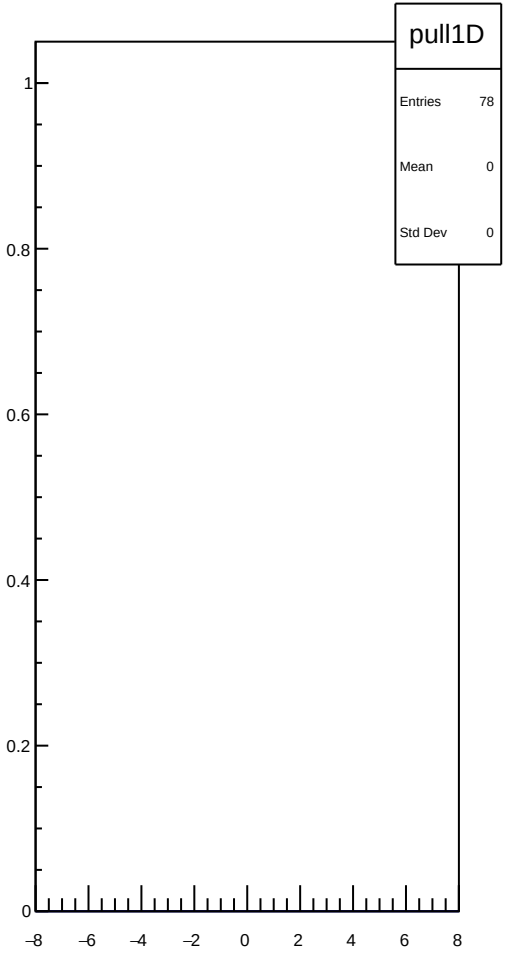

dit_sam6_coil6_err_mean vs run
χ² / ndf 2.407e+34 / 77
p0 87.23 ± 1.132e−16
pull
Entries 78
Mean 9.184e+09
Std Dev 9.184e+09
pull1D
Entries 78
Mean 0
Std Dev 0

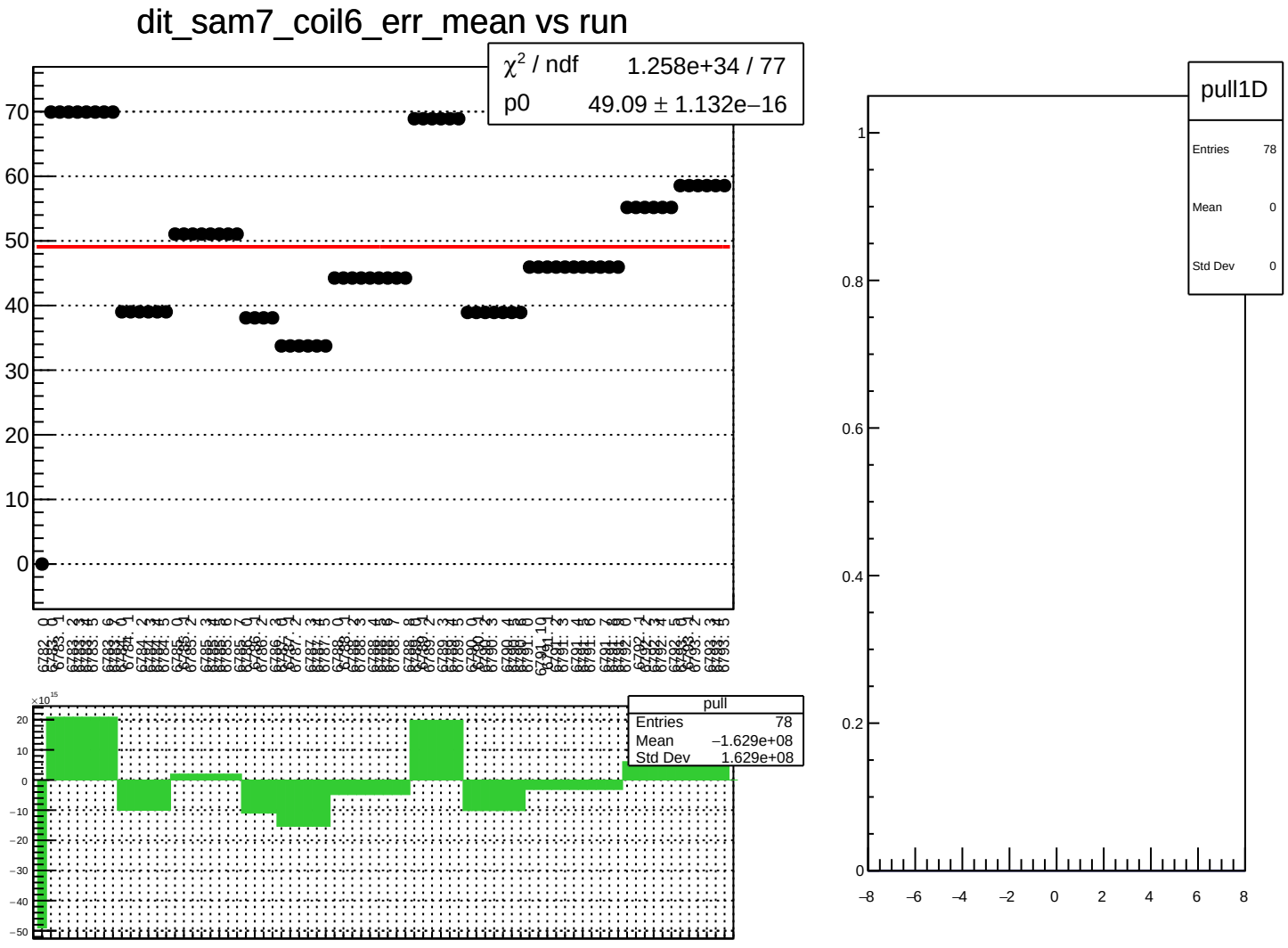
dit_sam6_coil6_Ndata_mean vs run



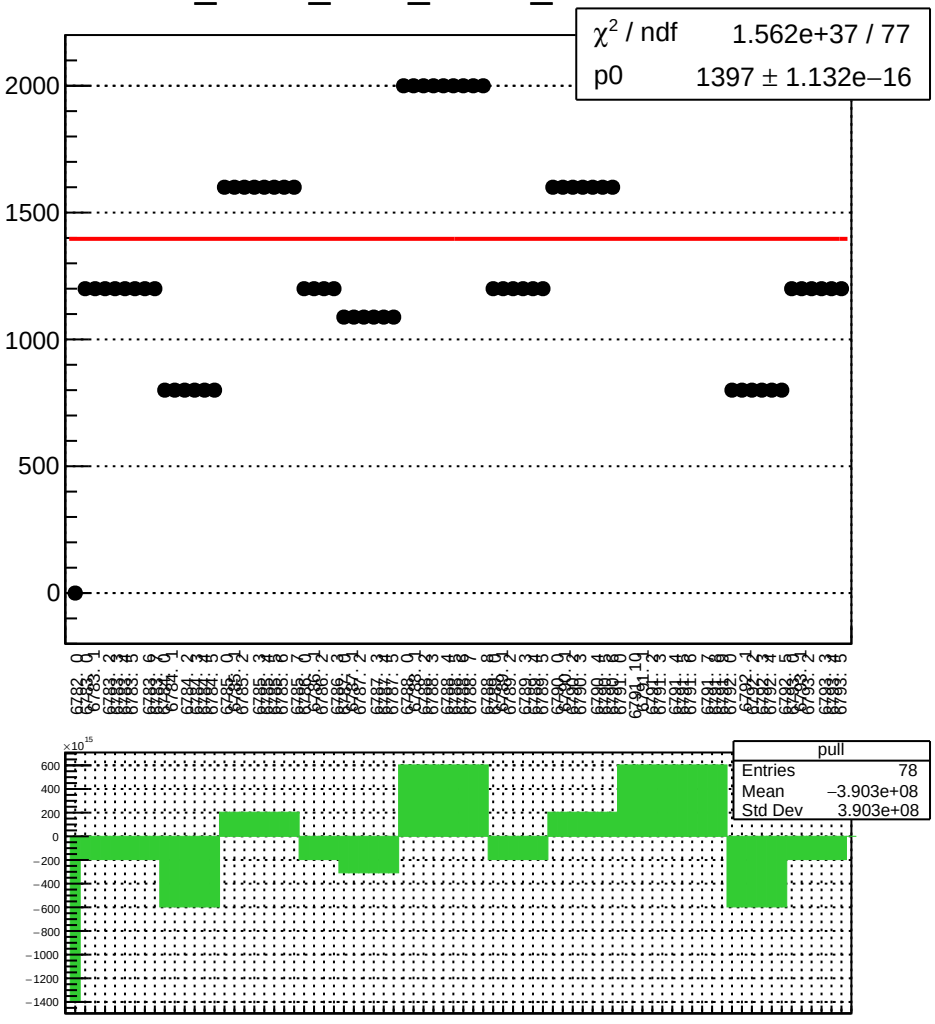


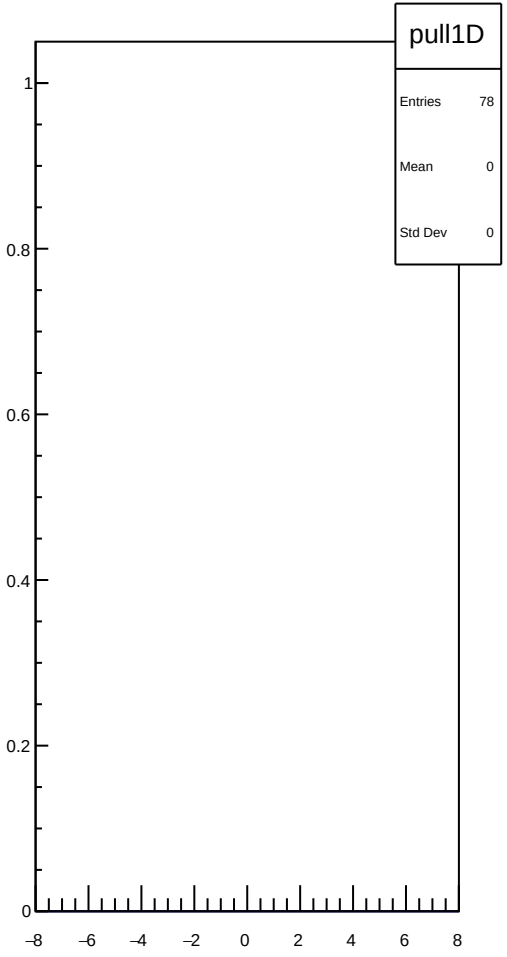

dit_sam7_coil6_mean vs run
χ^2 / ndf 3.999e+35 / 77
p0 582.7 ± 1.132e−16
600
500
400
300
200
100
0
pull
Entries 78
Mean −6.095e+08
Std Dev 6.095e+08
×10^15
0
−100
−200
−300
−400
−500
−600

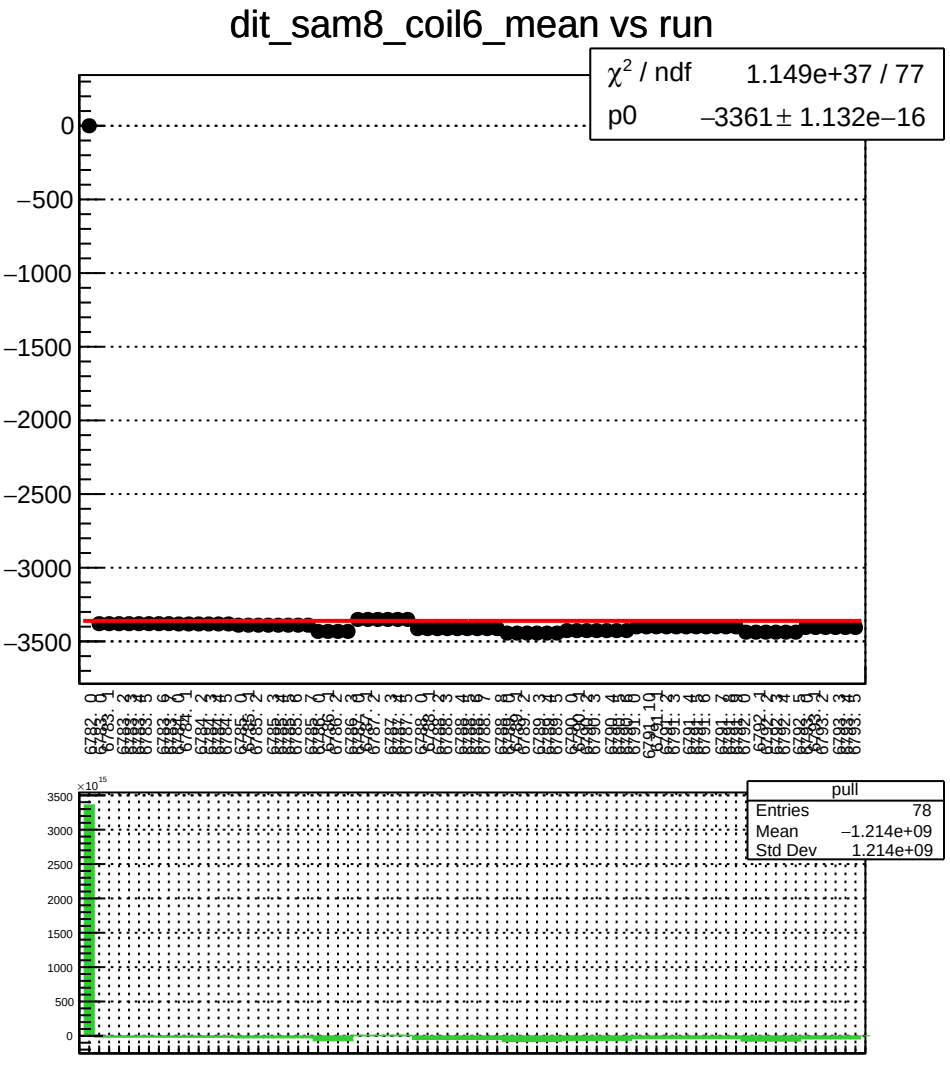

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

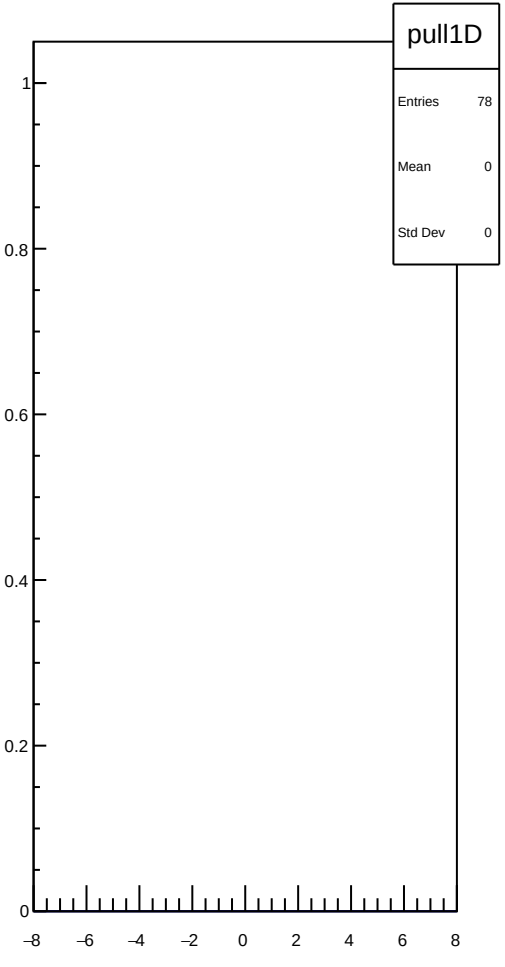

dit_sam7_coil6_err_mean vs run
χ^2 / ndf 1.258e+34 / 77
p0 49.09 ± 1.132e−16
pull
Entries 78
Mean −1.629e+08
Std Dev 1.629e+08
pull1D
Entries 78
Mean 0
Std Dev 0

dit_sam7_coil6_Ndata_mean vs run

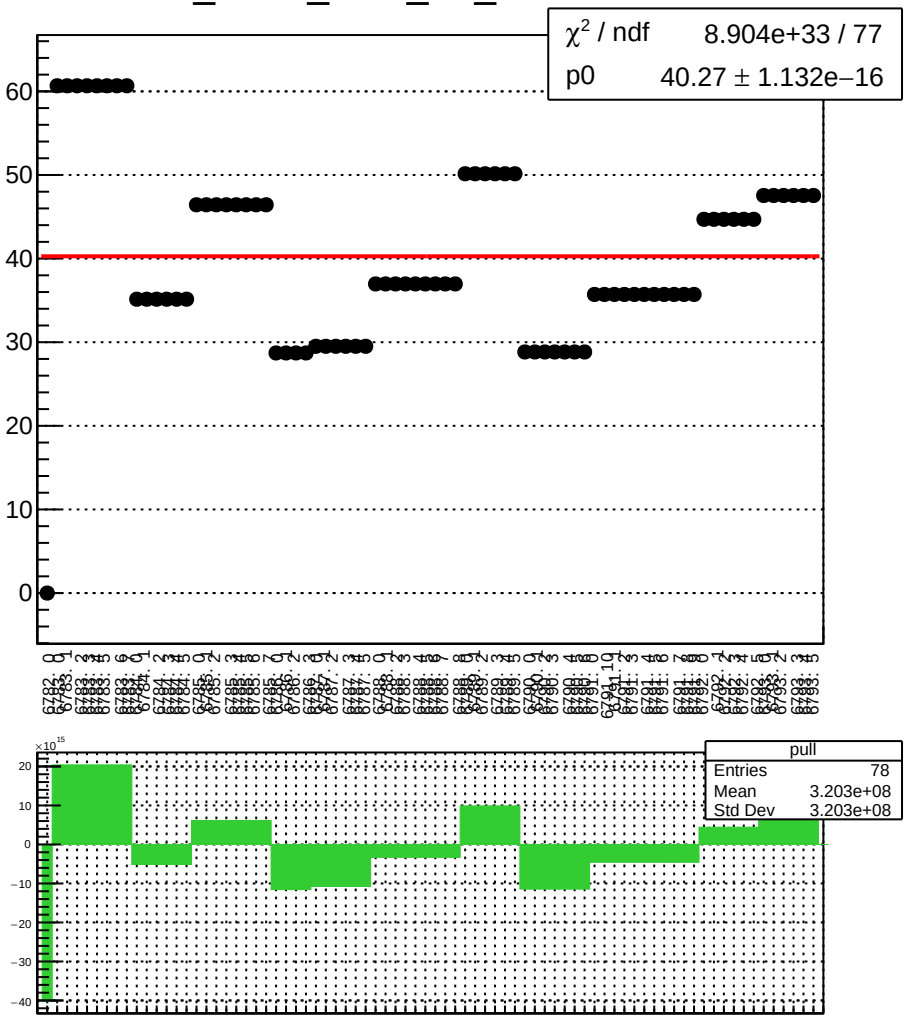


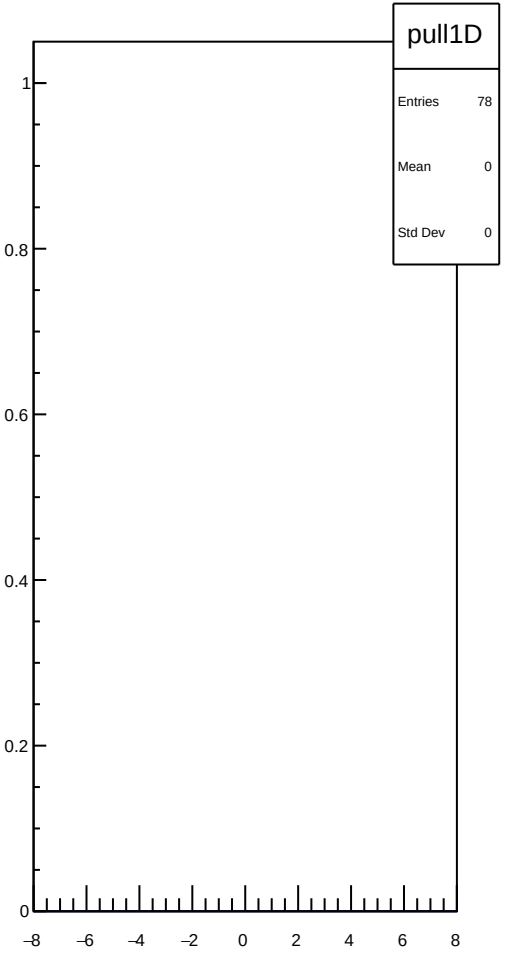



dit_sam8_coil6_mean vs run
χ² / ndf 1.149e+37 / 77
p0 −3361 ± 1.132e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 78
Mean −1.214e+09
Std Dev 1.214e+09
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0

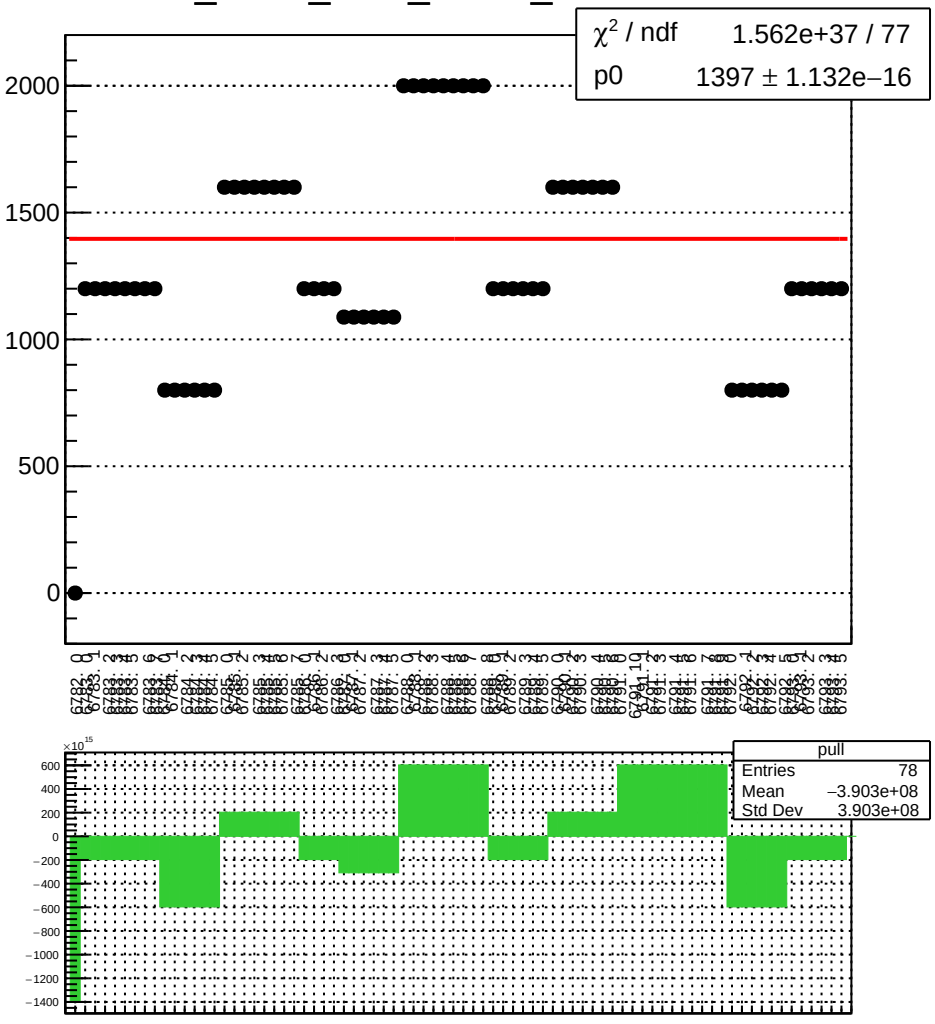

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

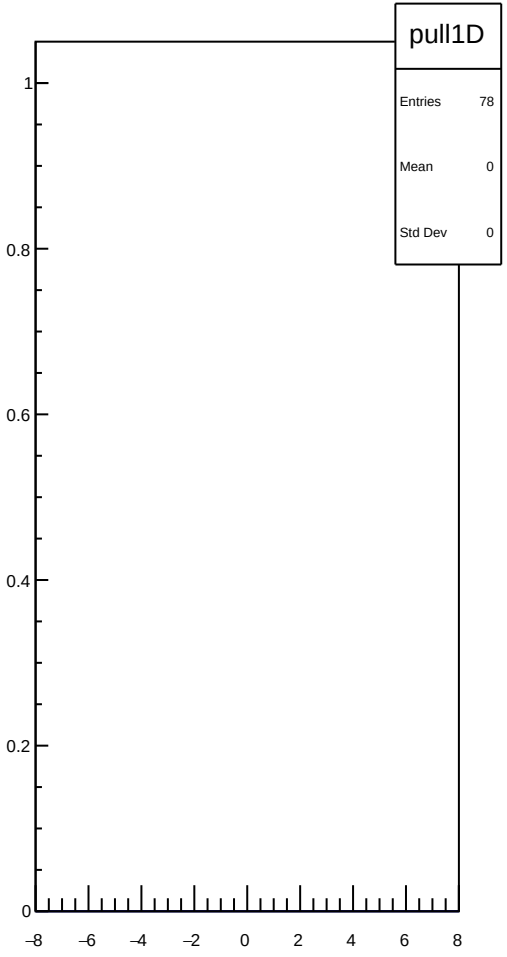
dit_sam8_coil6_err_mean vs run

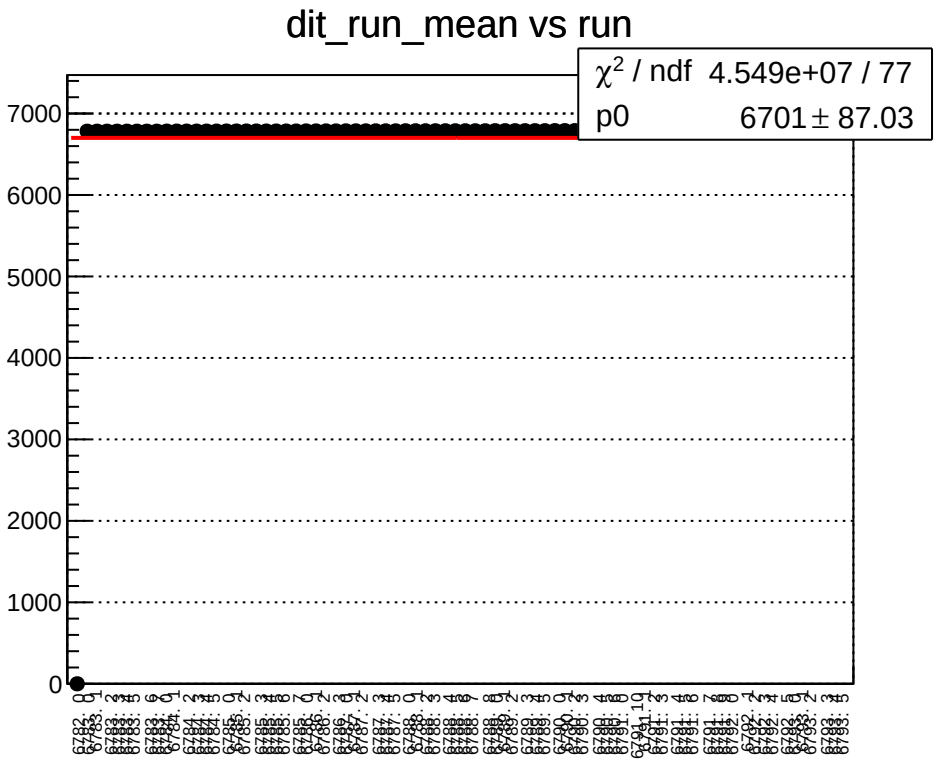


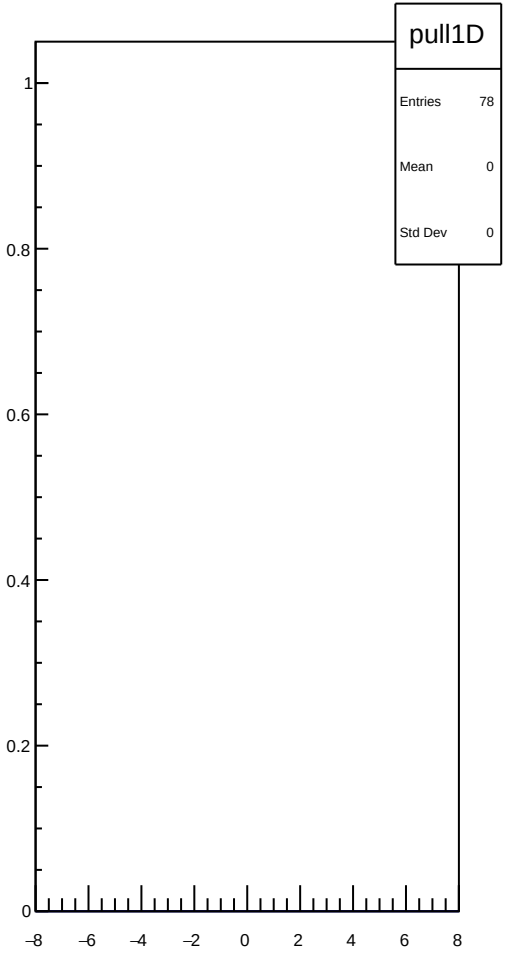


dit_sam8_coil6_Ndata_mean vs run

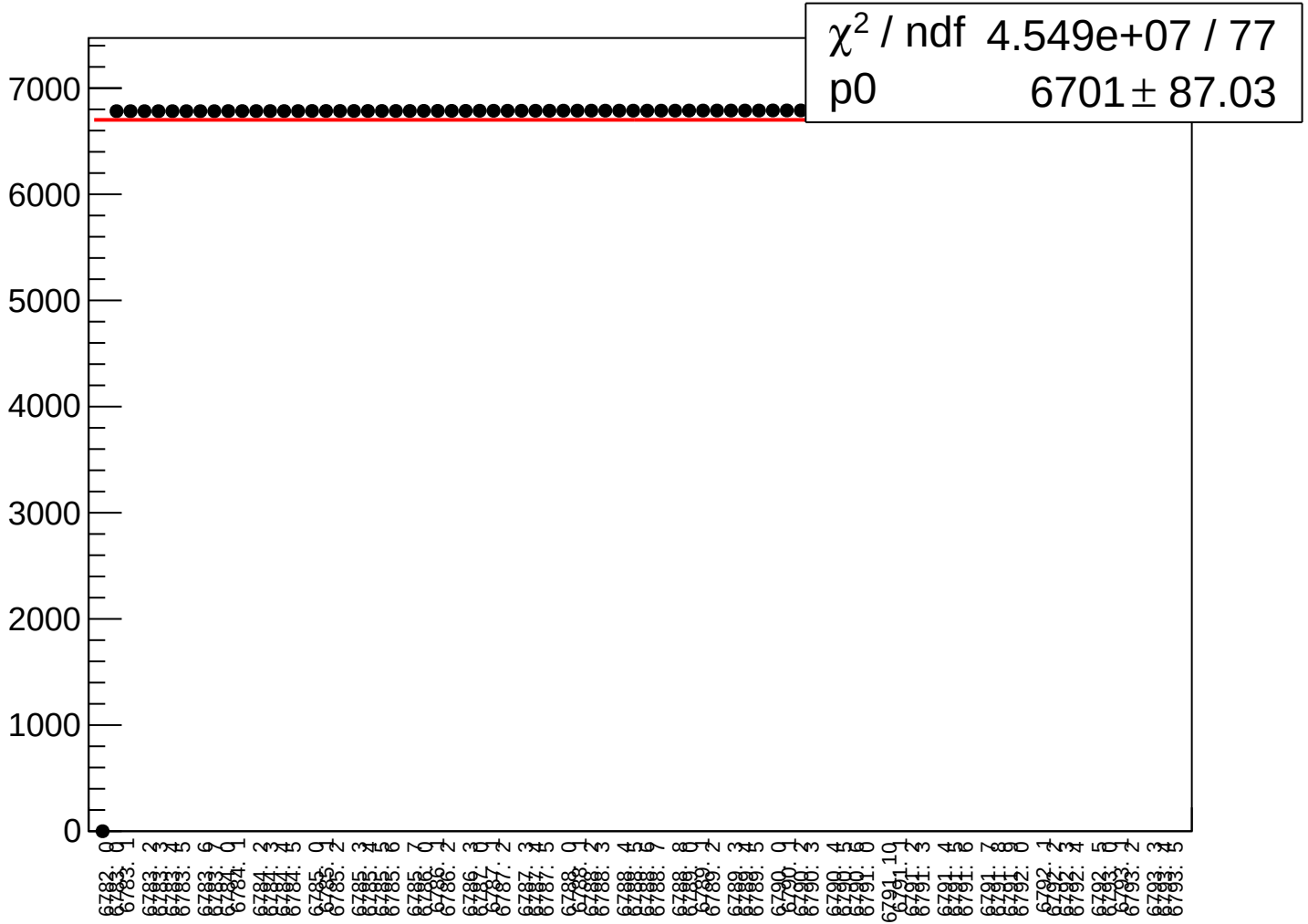


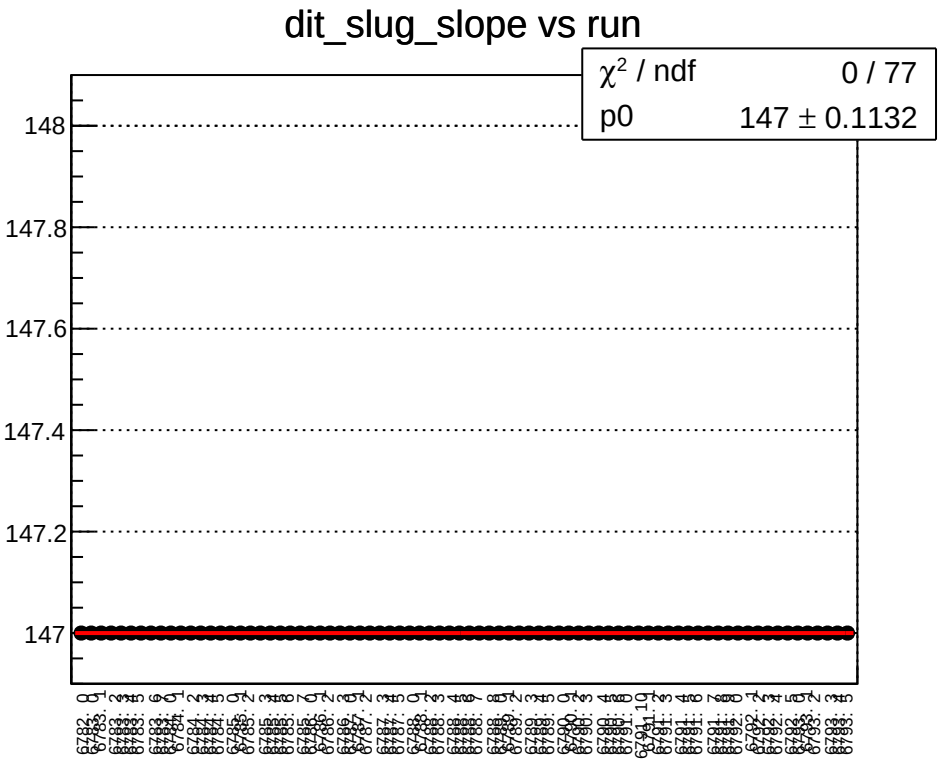


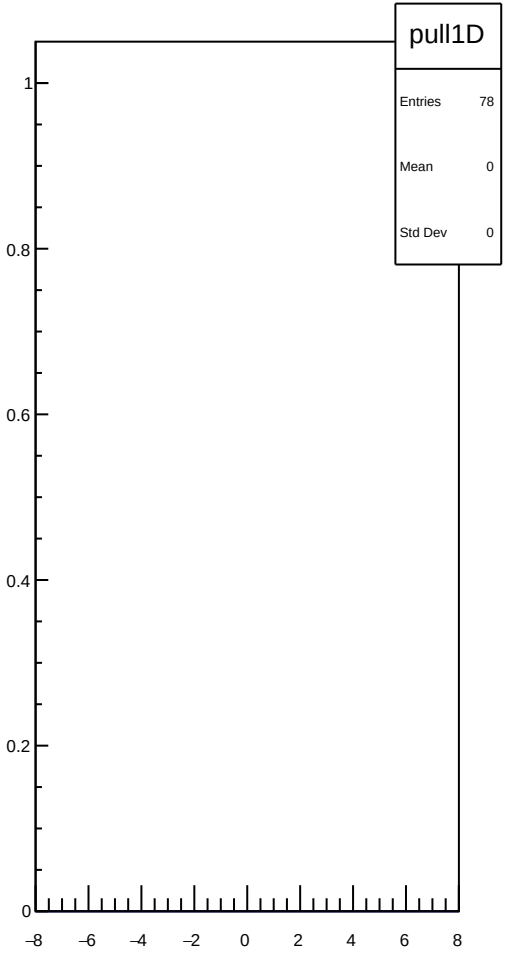

dit_run_mean vs run
χ^2 / ndf 4.549e+07 / 77
p0 6701 ± 87.03
7000
6000
5000
4000
3000
2000
1000
0

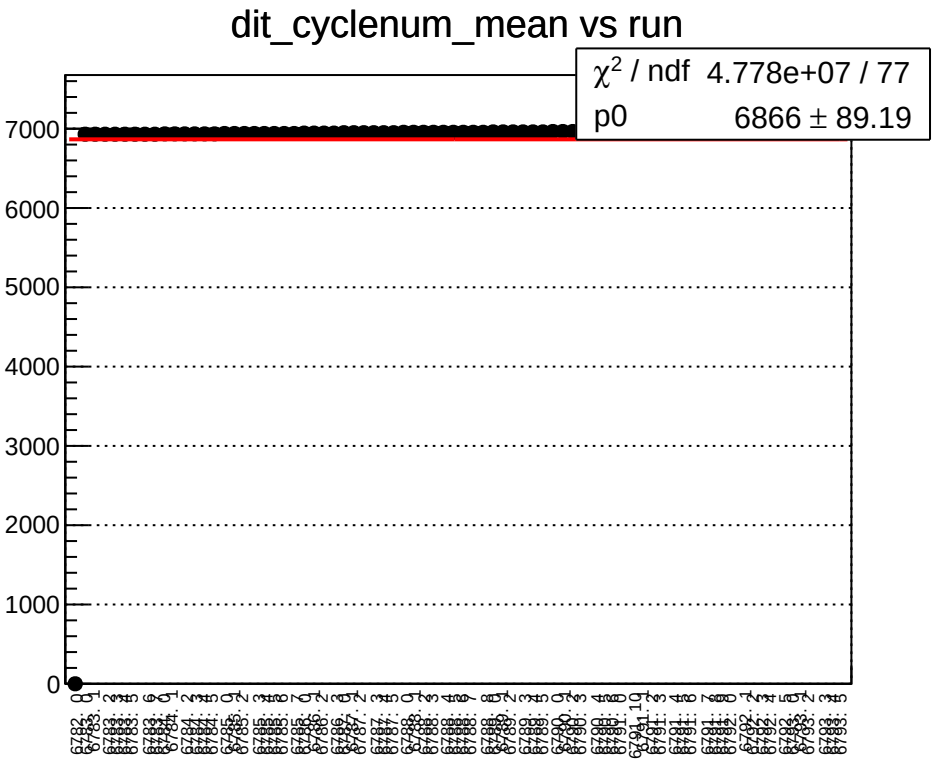

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

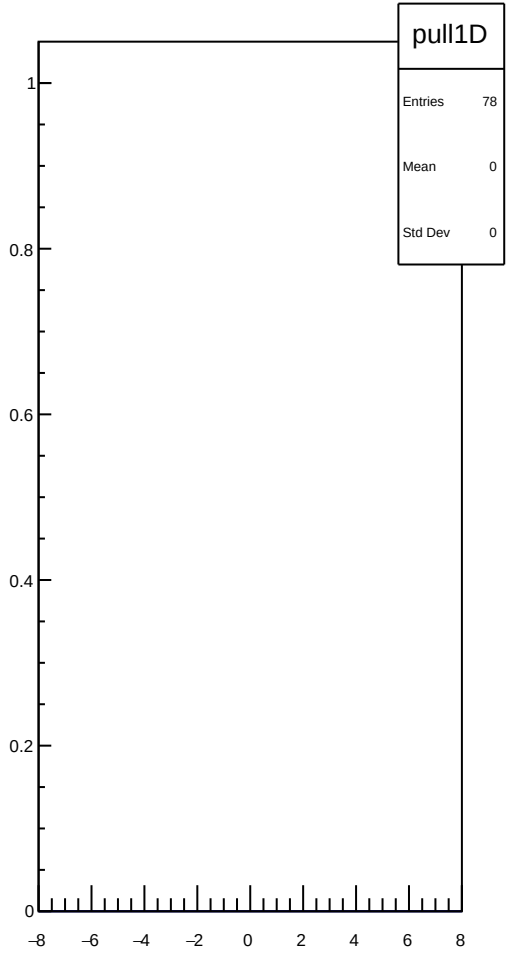
dit_run_rms vs run

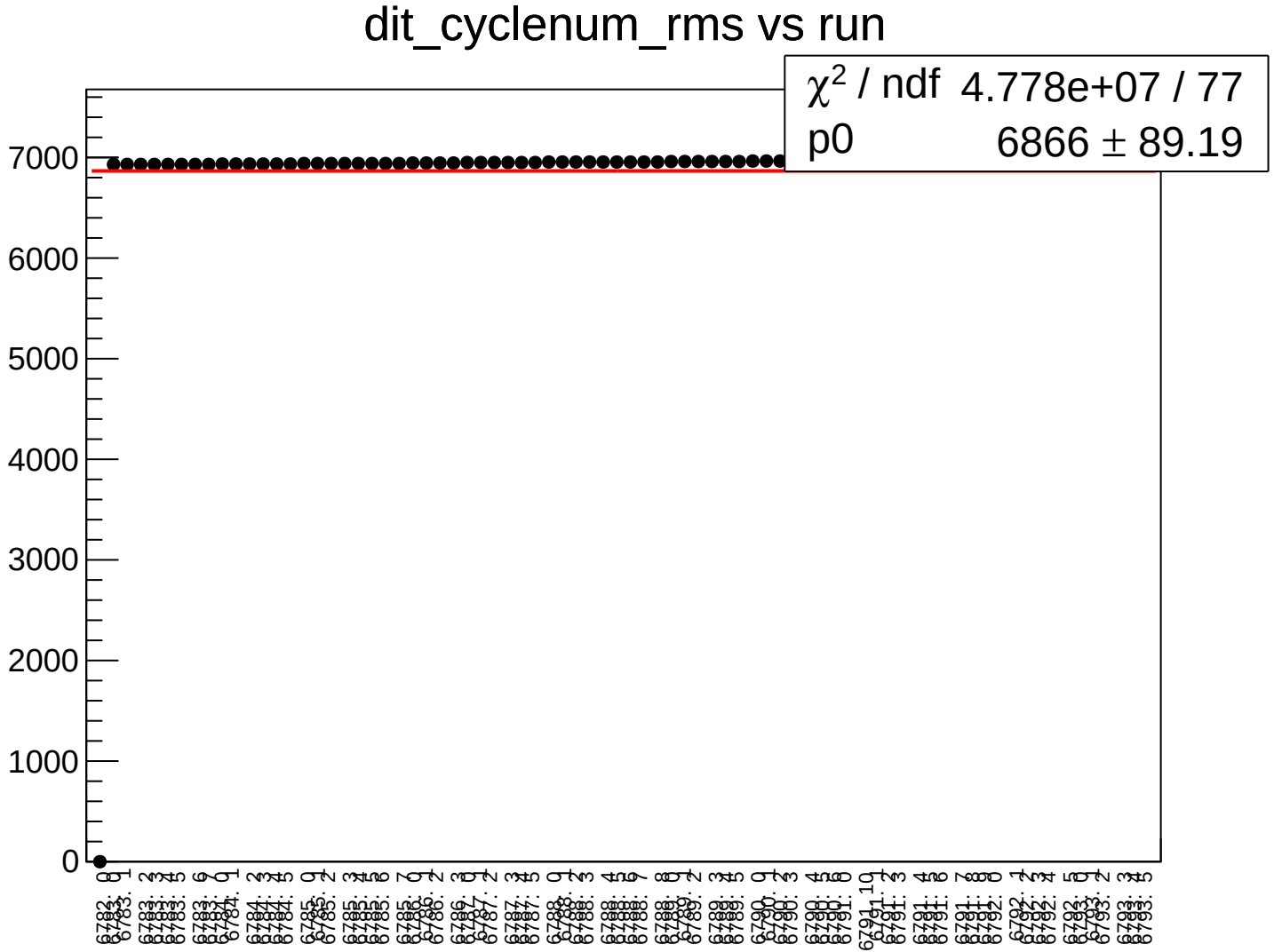


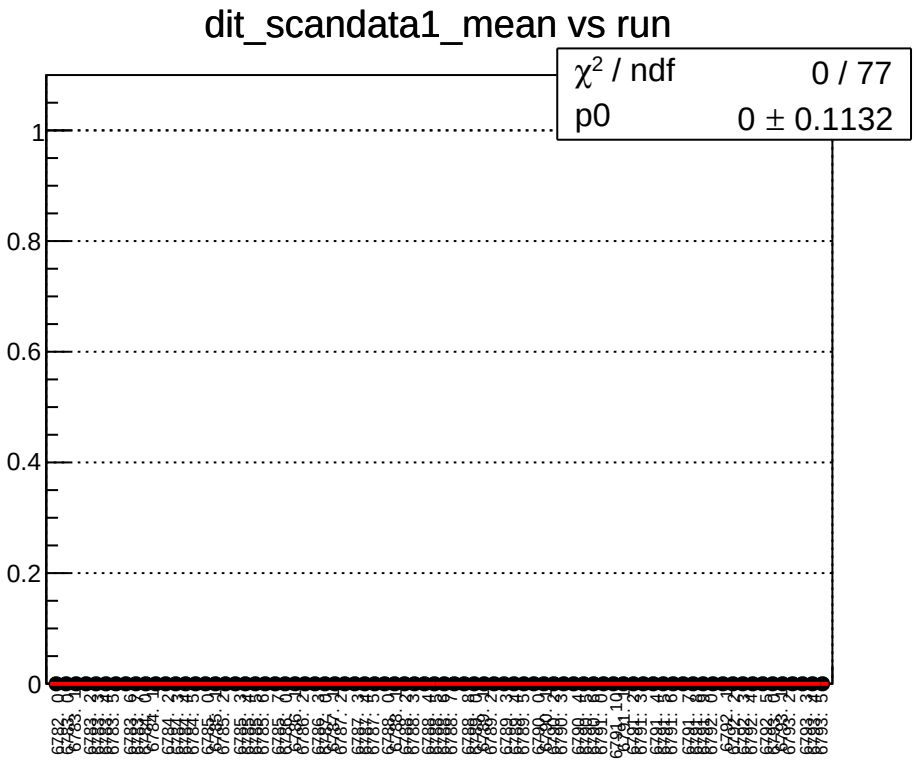

dit_slug_slope vs run
χ^2 / ndf 0 / 77
p0 147 ± 0.1132
148
147.8
147.6
147.4
147.2
147

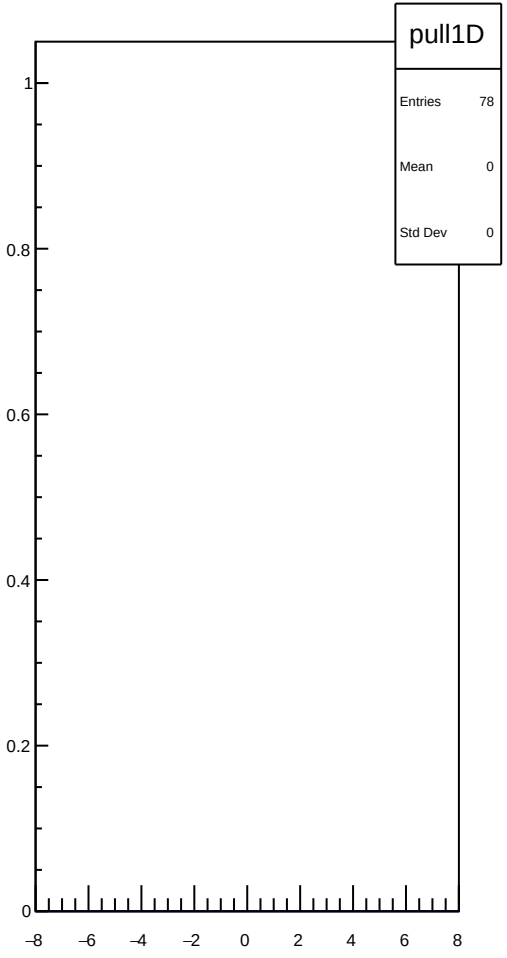

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 4.778e+07 / 77
p0 6866 ± 89.19
7000
6000
5000
4000
3000
2000
1000
0

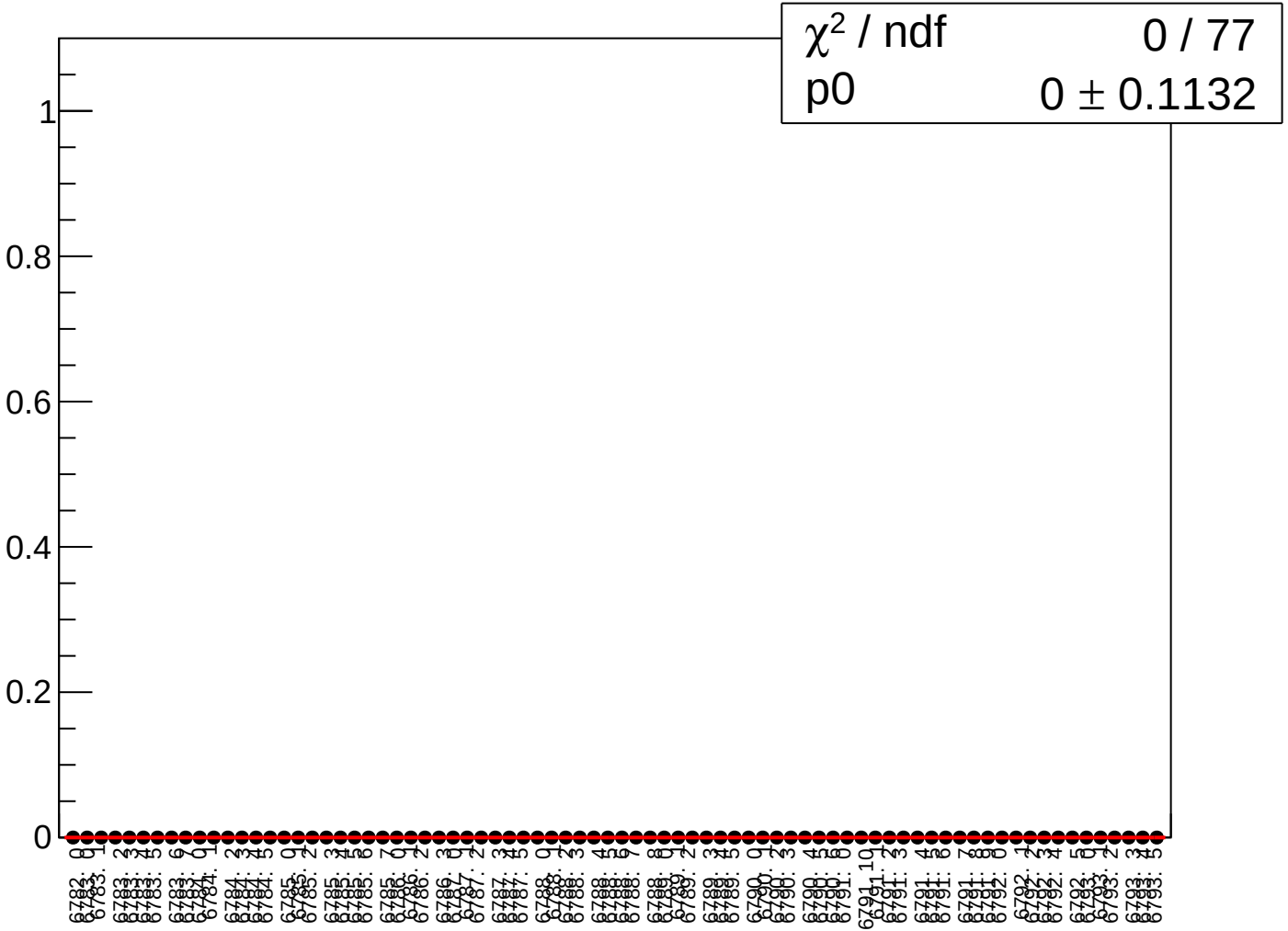

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

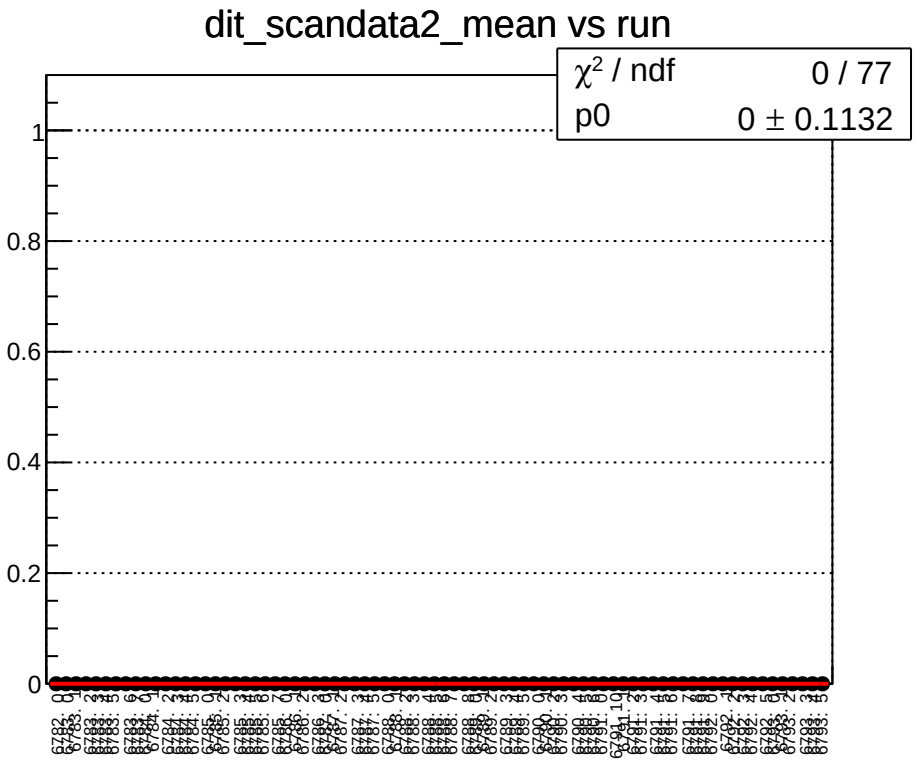

dit_cyclenum_rms vs run
χ² / ndf 4.778e+07 / 77
p0 6866 ± 89.19
7000
6000
5000
4000
3000
2000
1000
0

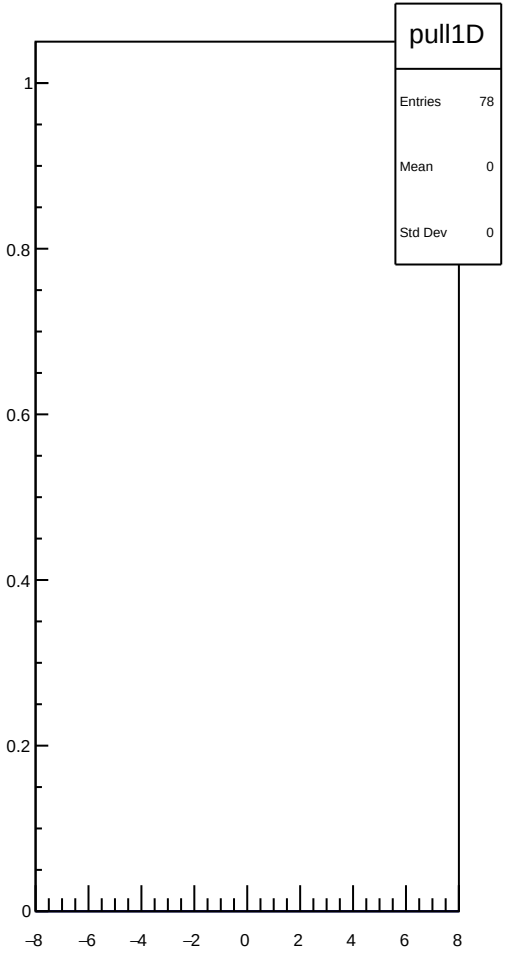

dit_scandata1_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0


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

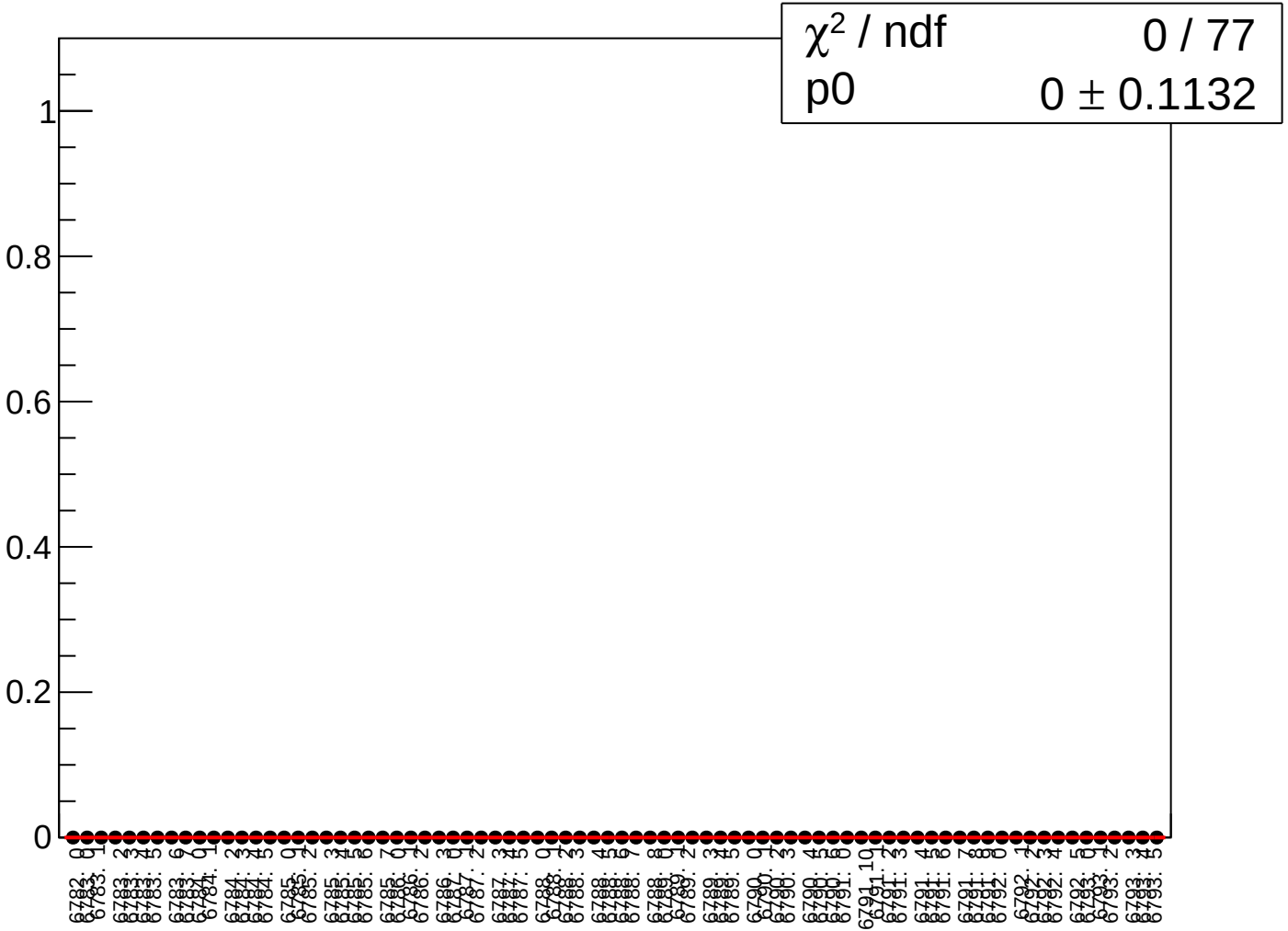
dit_scandata1_rms vs run

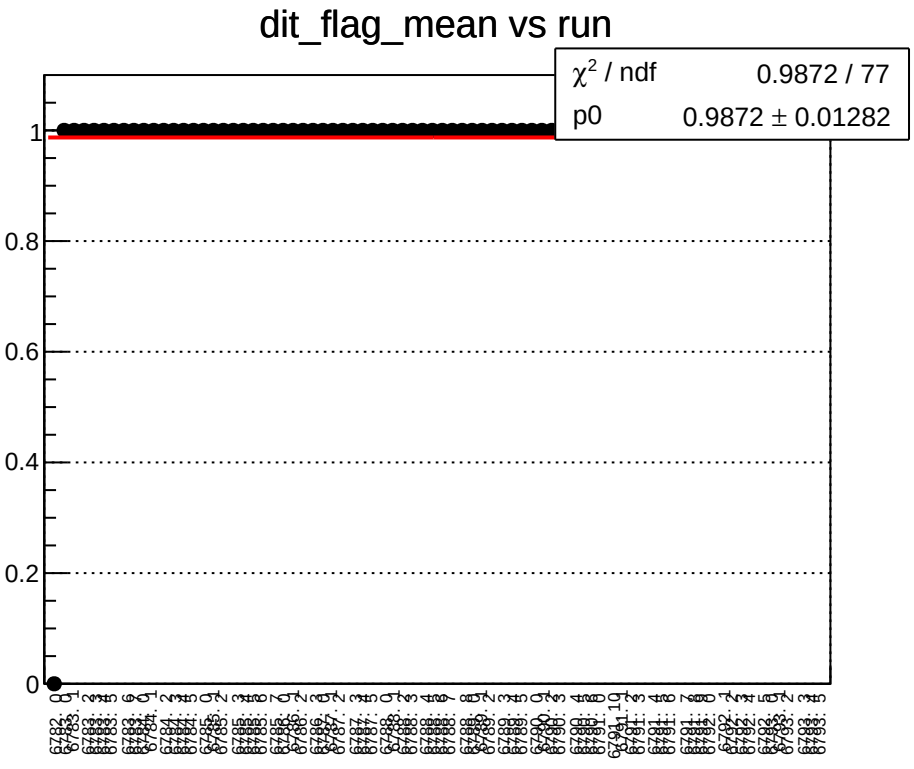


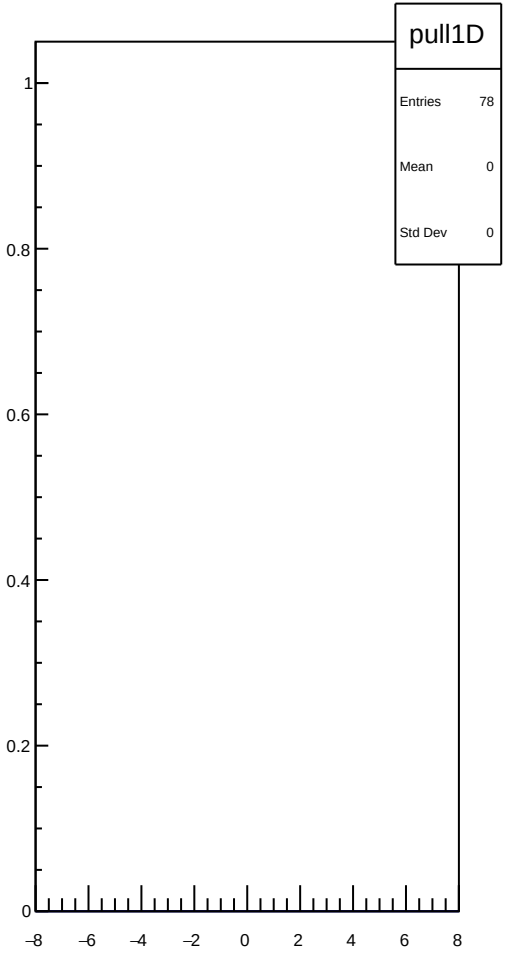

dit_scandata2_mean vs run
χ^2 / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0


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

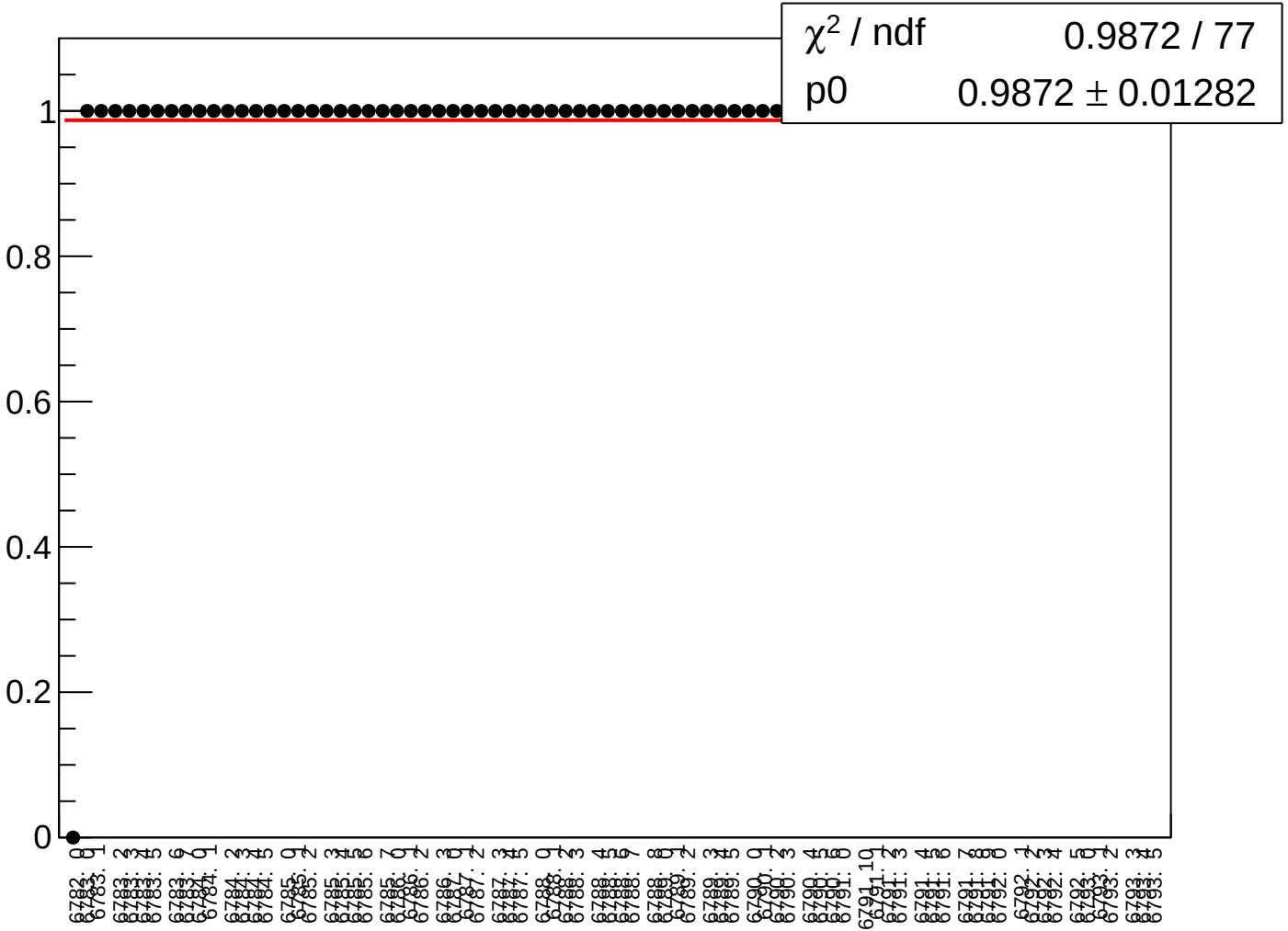
dit_scandata2_rms vs run

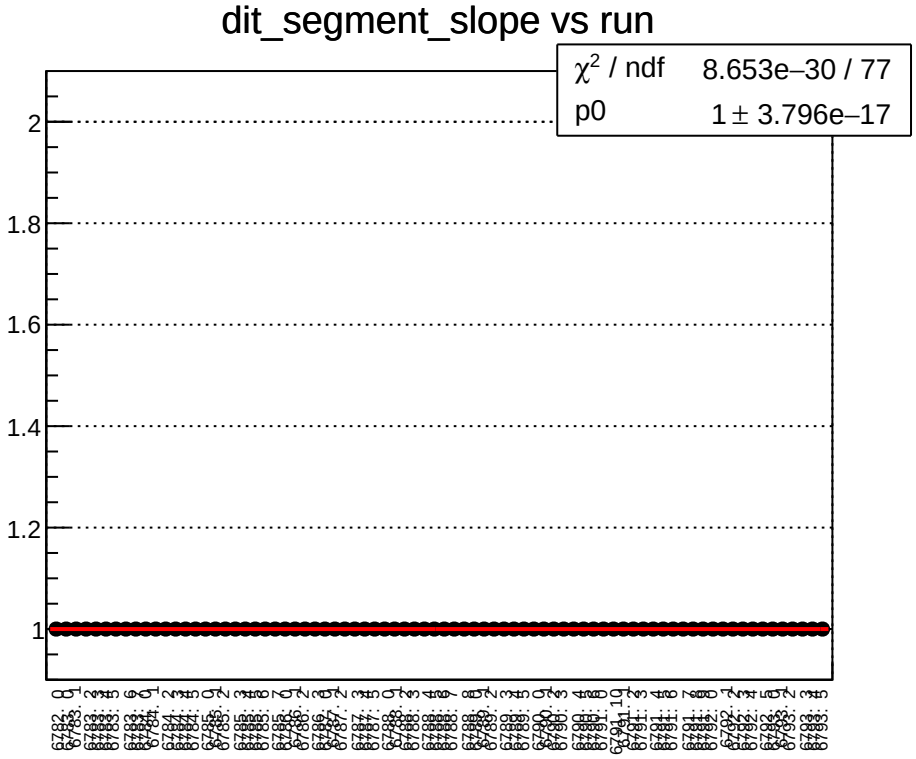


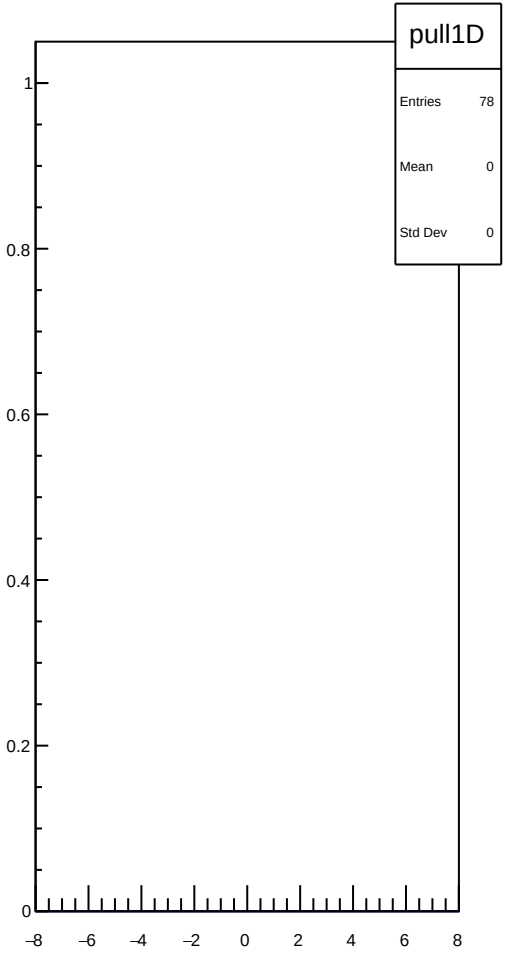

dit_flag_mean vs run
χ^2 / ndf 0.9872 / 77
p0 0.9872 ± 0.01282
1
0.8
0.6
0.4
0.2
0

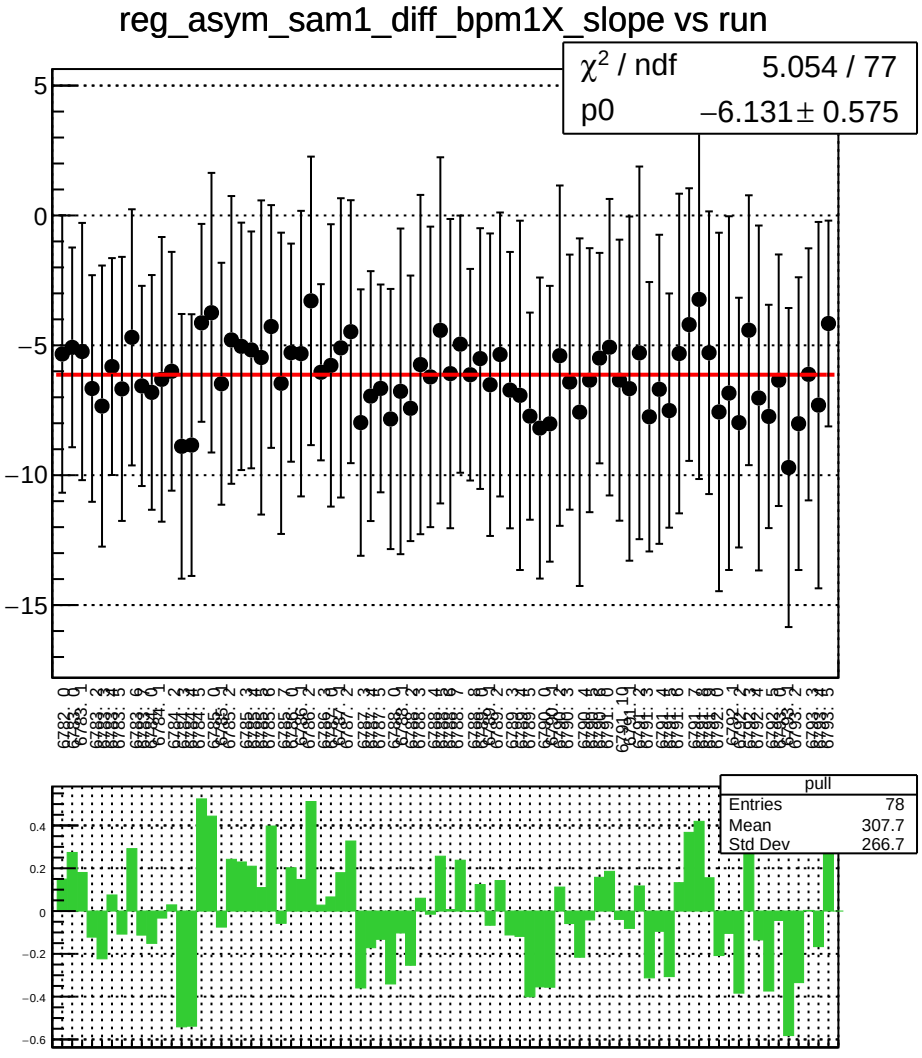

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

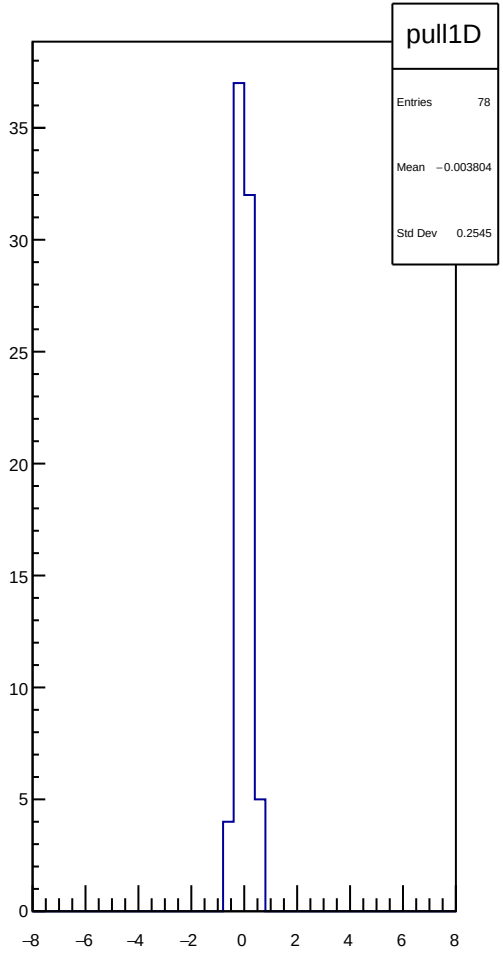
dit_flag_rms vs run

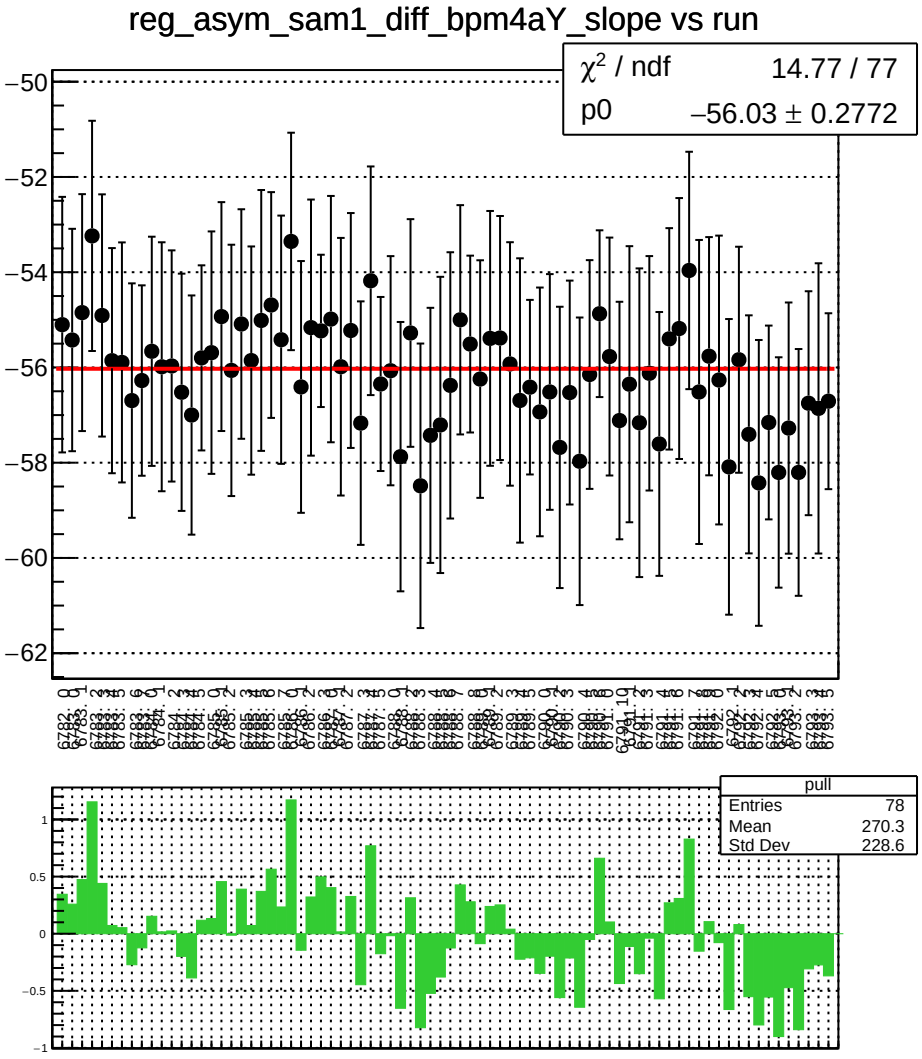


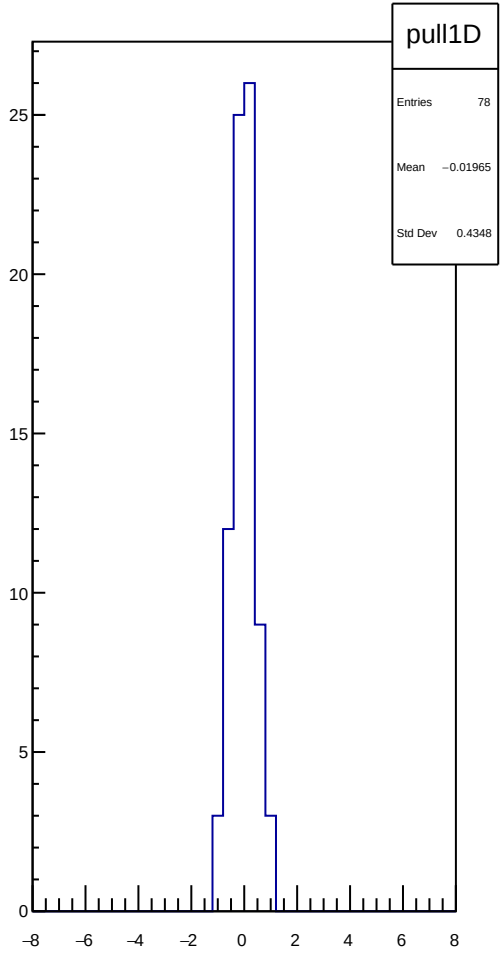

dit_segment_slope vs run
χ^2 / ndf 8.653e–30 / 77
p0 1 ± 3.796e–17
2
1.8
1.6
1.4
1.2
1

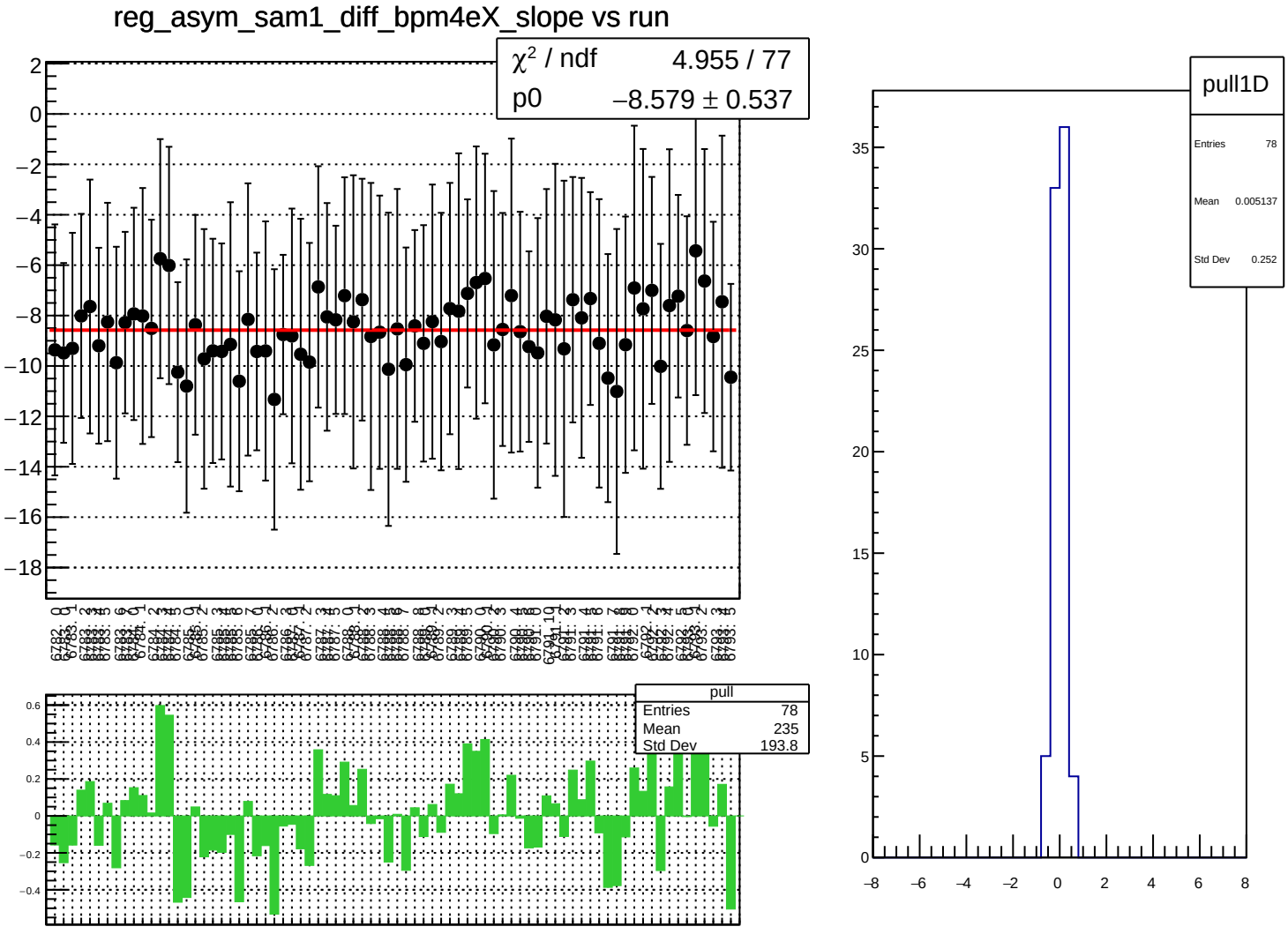

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

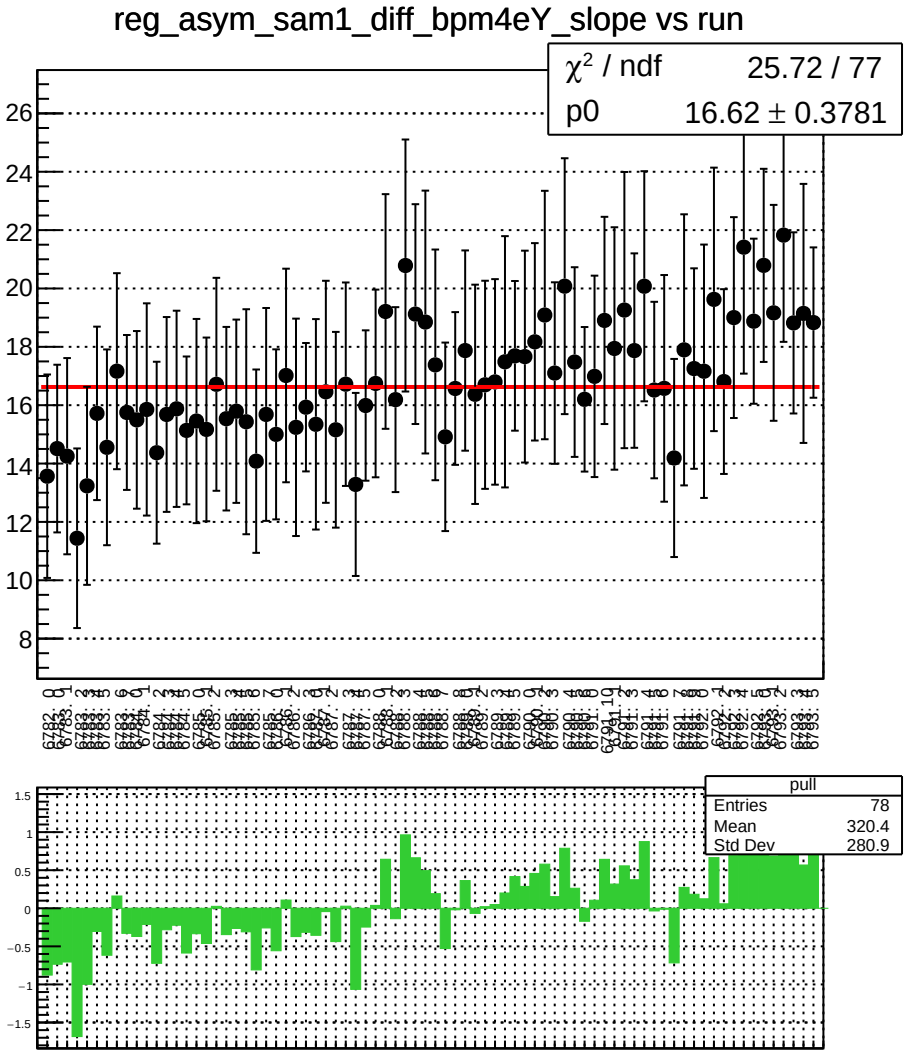

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 5.054 / 77
p0 −6.131 ± 0.575
pull
Entries 78
Mean 307.7
Std Dev 266.7

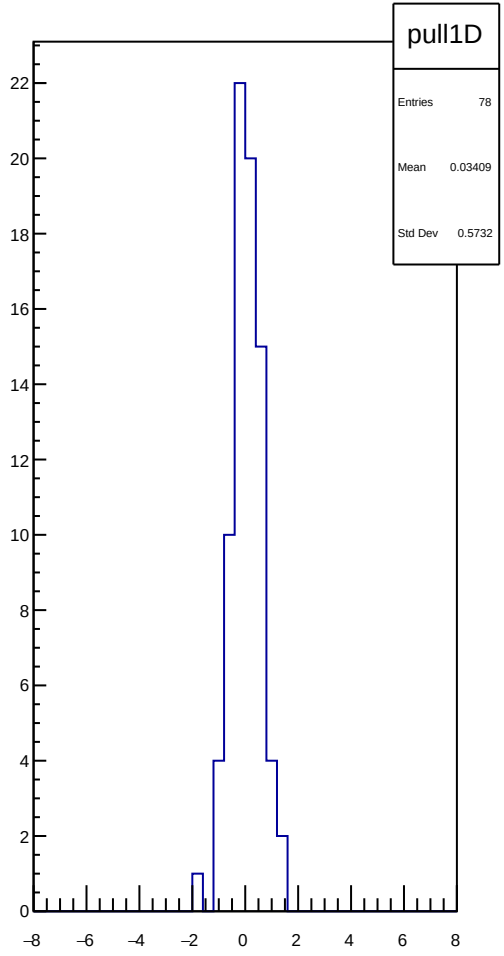

pull1D
Entries 78
Mean −0.003804
Std Dev 0.2545


reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 14.77 / 77
p0 −56.03 ± 0.2772
pull
Entries 78
Mean 270.3
Std Dev 228.6

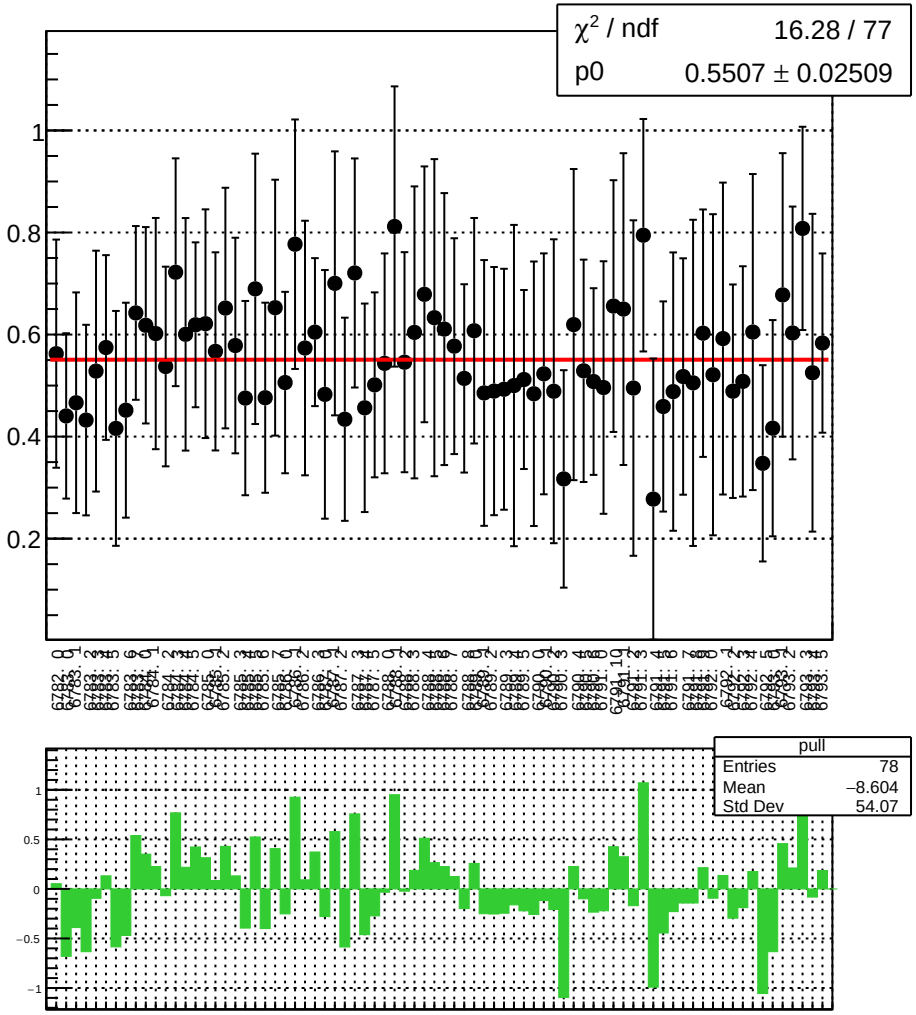

pull1D
Entries 78
Mean −0.01965
Std Dev 0.4348

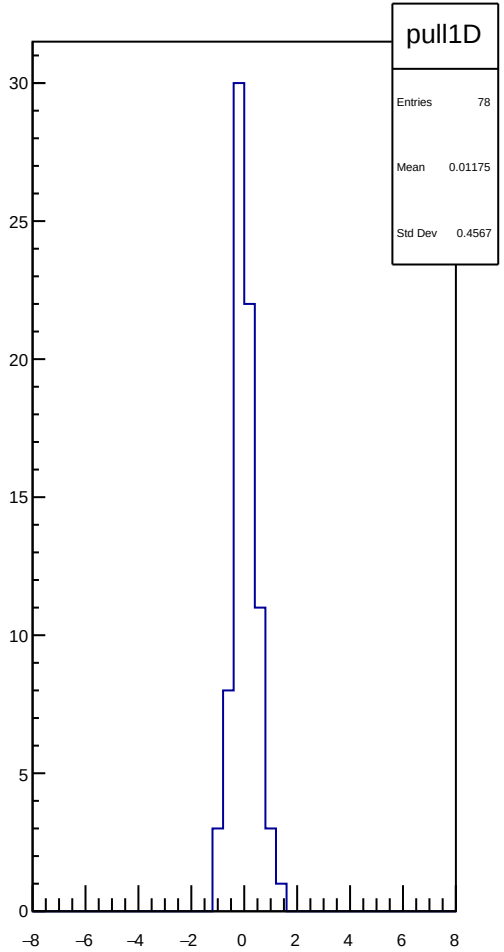

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 4.955 / 77
p0 −8.579 ± 0.537
pull
Entries 78
Mean 235
Std Dev 193.8
pull1D
Entries 78
Mean 0.005137
Std Dev 0.252

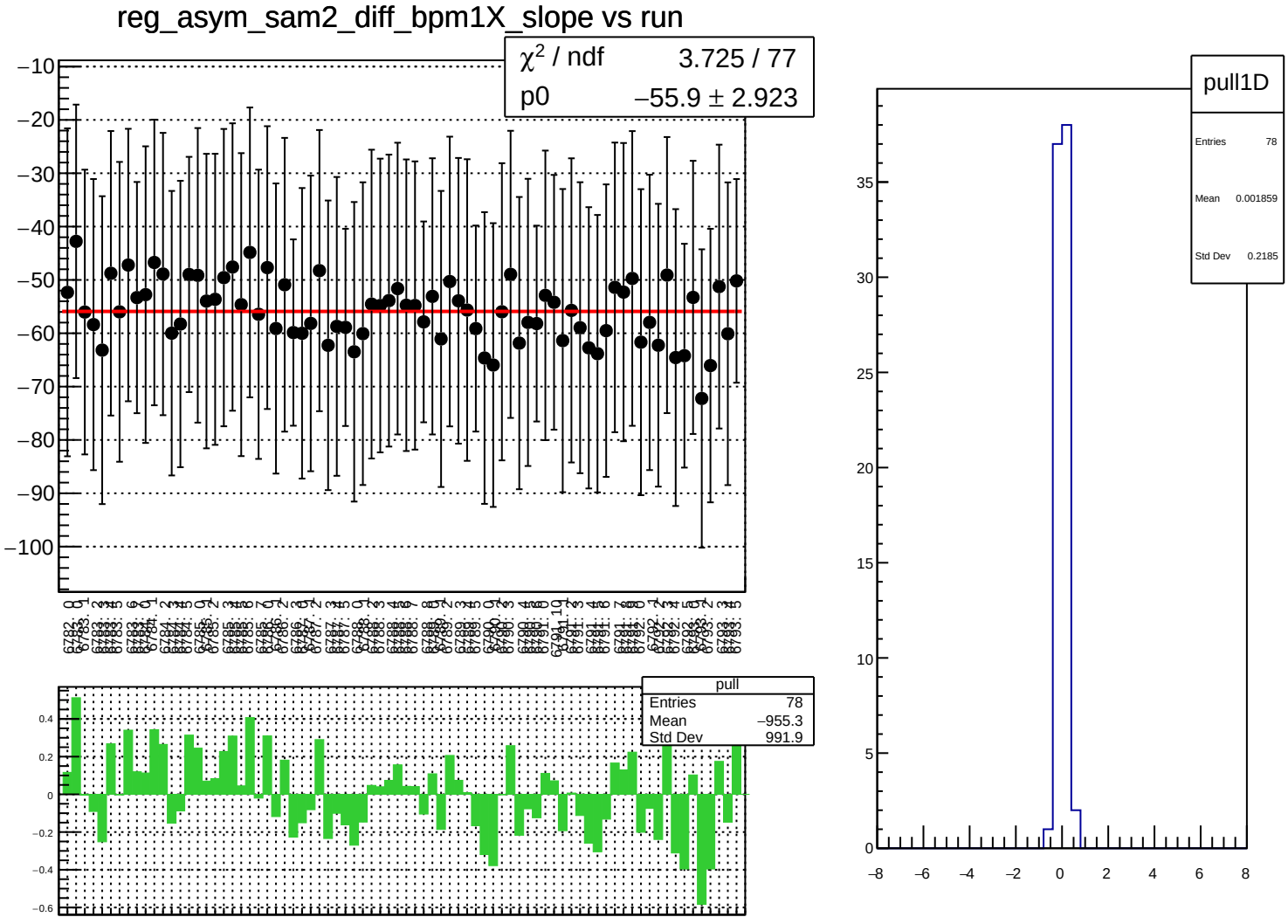

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 25.72 / 77
p0 16.62 ± 0.3781
pull
Entries 78
Mean 320.4
Std Dev 280.9

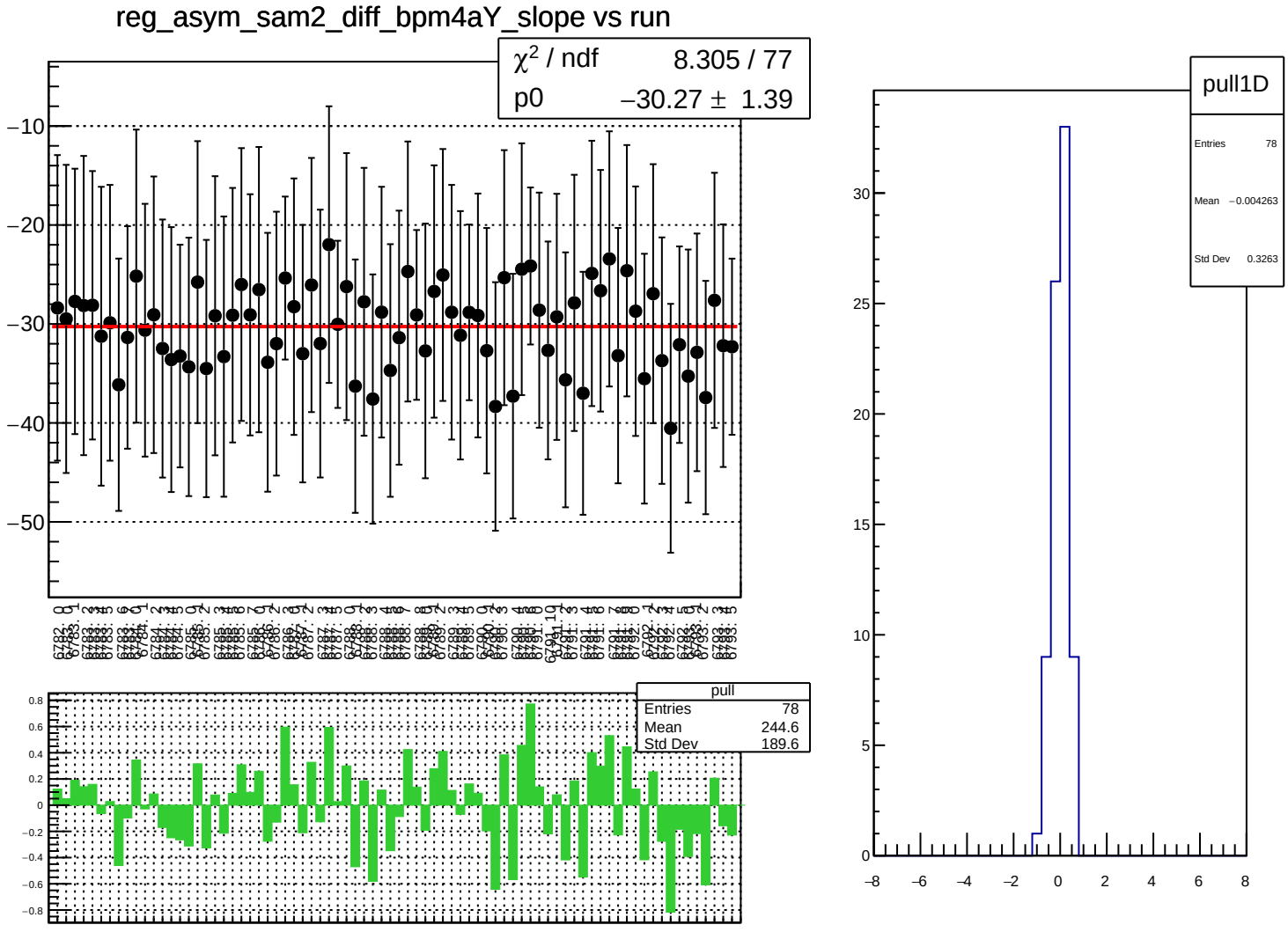

pull1D
Entries 78
Mean 0.03409
Std Dev 0.5732

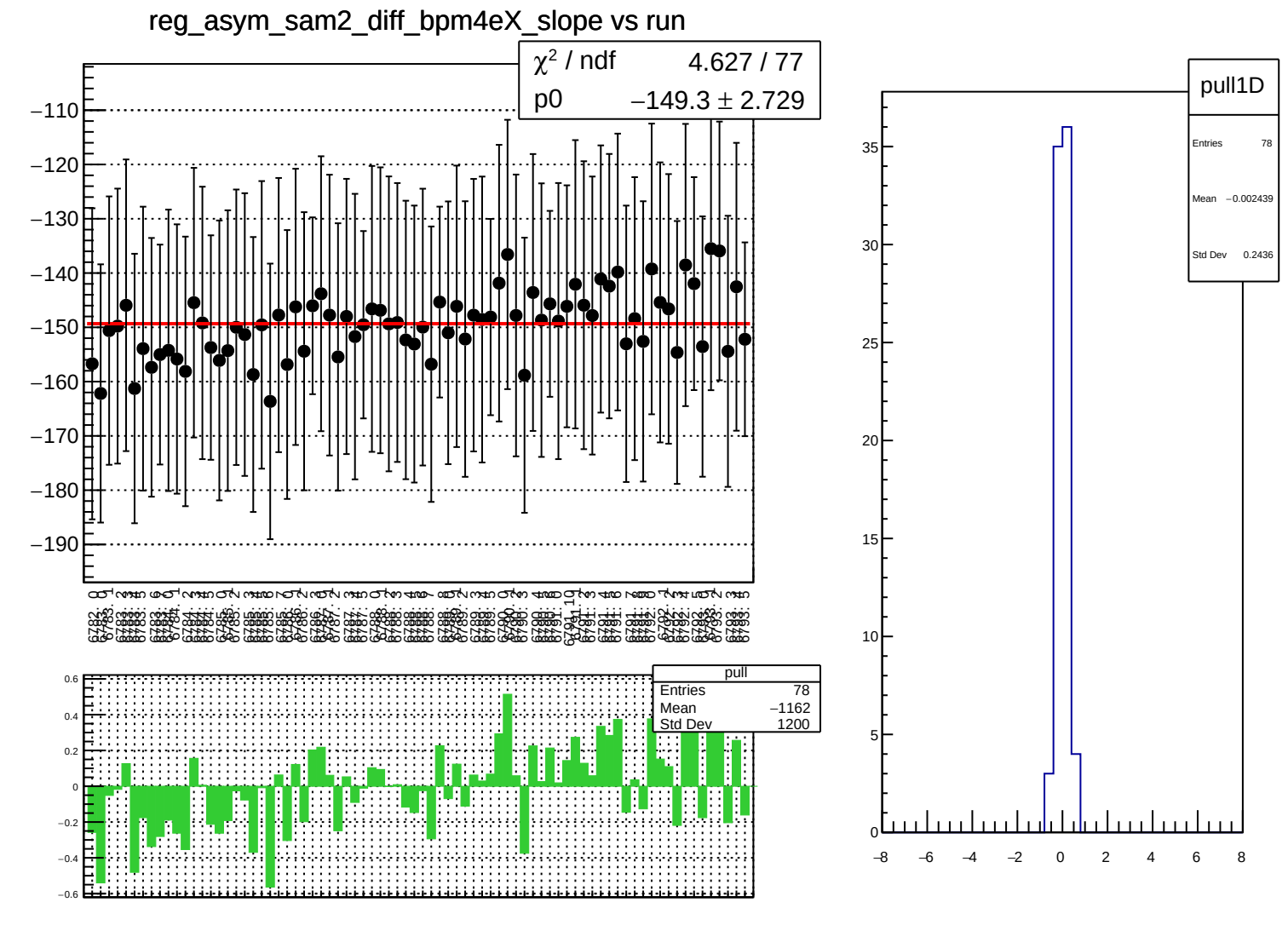
reg_asym_sam1_diff_bpm12X_slope vs run

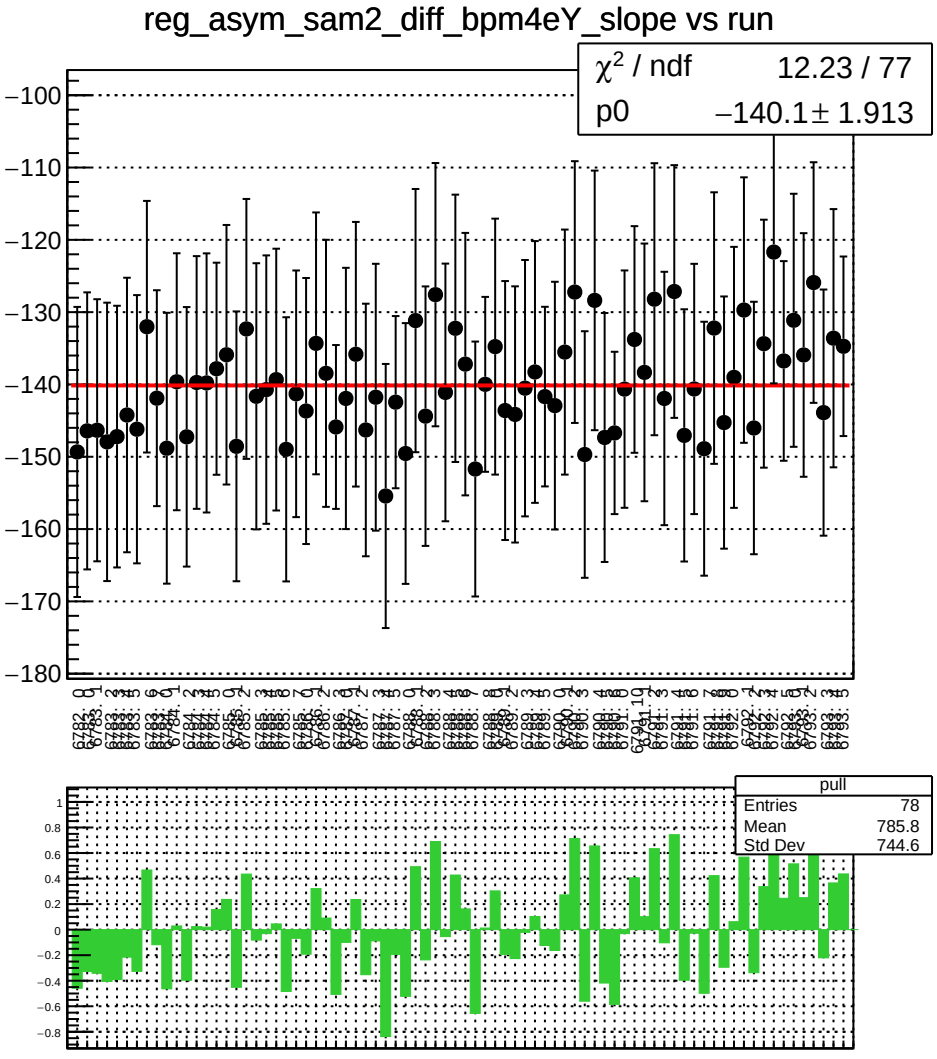


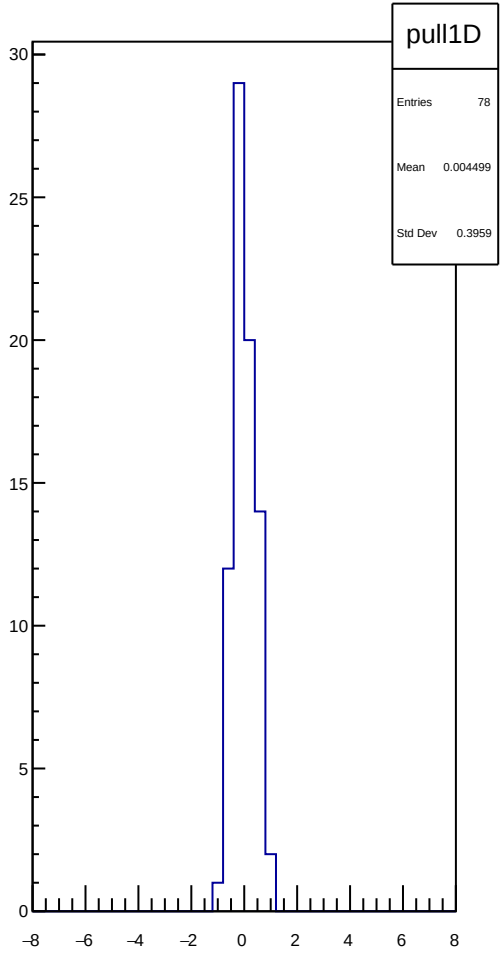


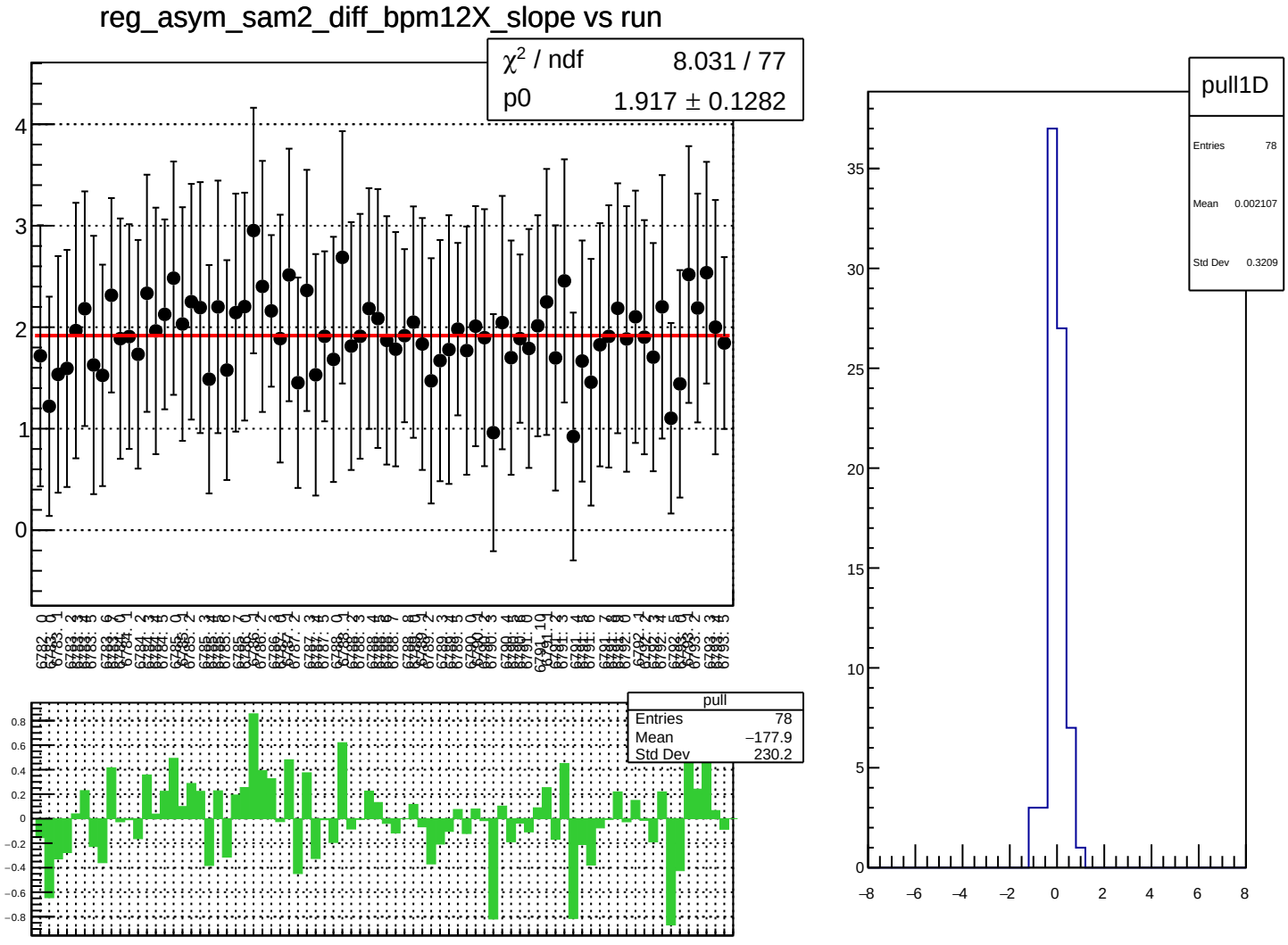

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 3.725 / 77
p0 −55.9 ± 2.923
pull
Entries 78
Mean −955.3
Std Dev 991.9
pull1D
Entries 78
Mean 0.001859
Std Dev 0.2185

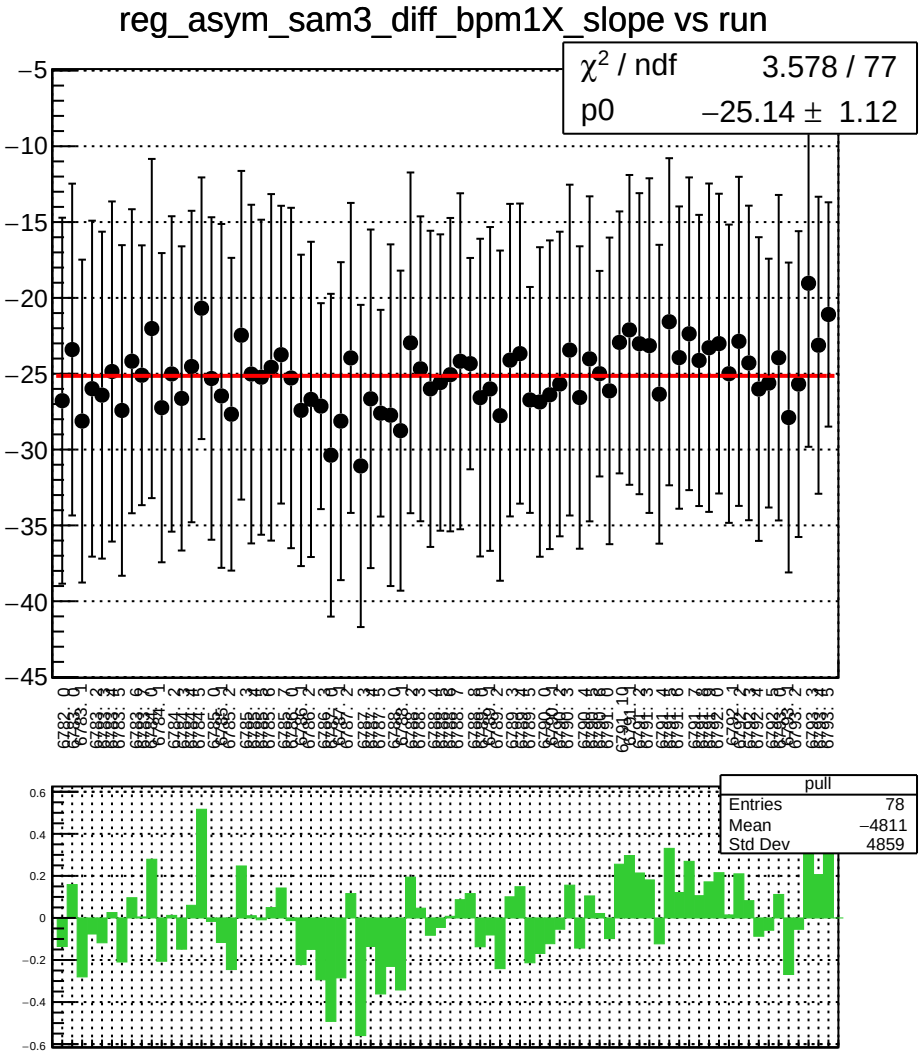

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 8.305 / 77
p0 −30.27 ± 1.39
pull
Entries 78
Mean 244.6
Std Dev 189.6
pull1D
Entries 78
Mean −0.004263
Std Dev 0.3263

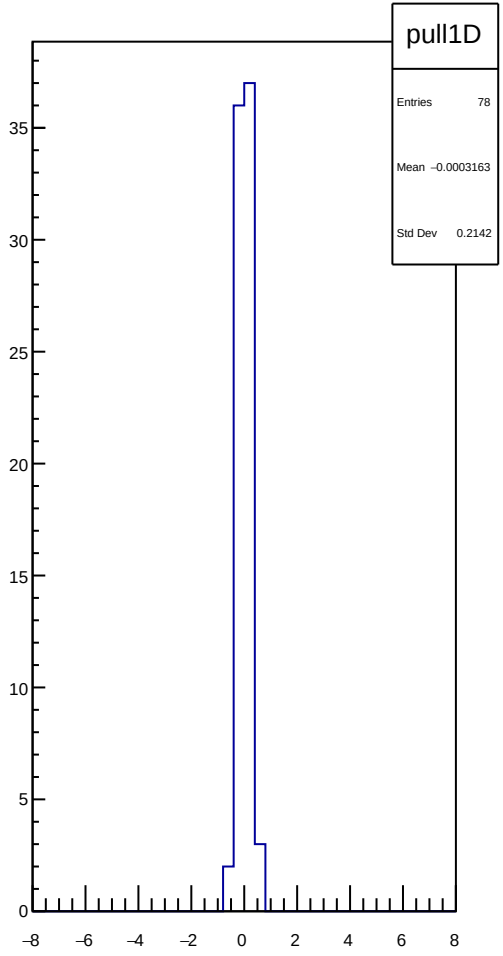

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 4.627 / 77
p0 −149.3 ± 2.729
pull
Entries 78
Mean −1162
Std Dev 1200
pull1D
Entries 78
Mean −0.002439
Std Dev 0.2436

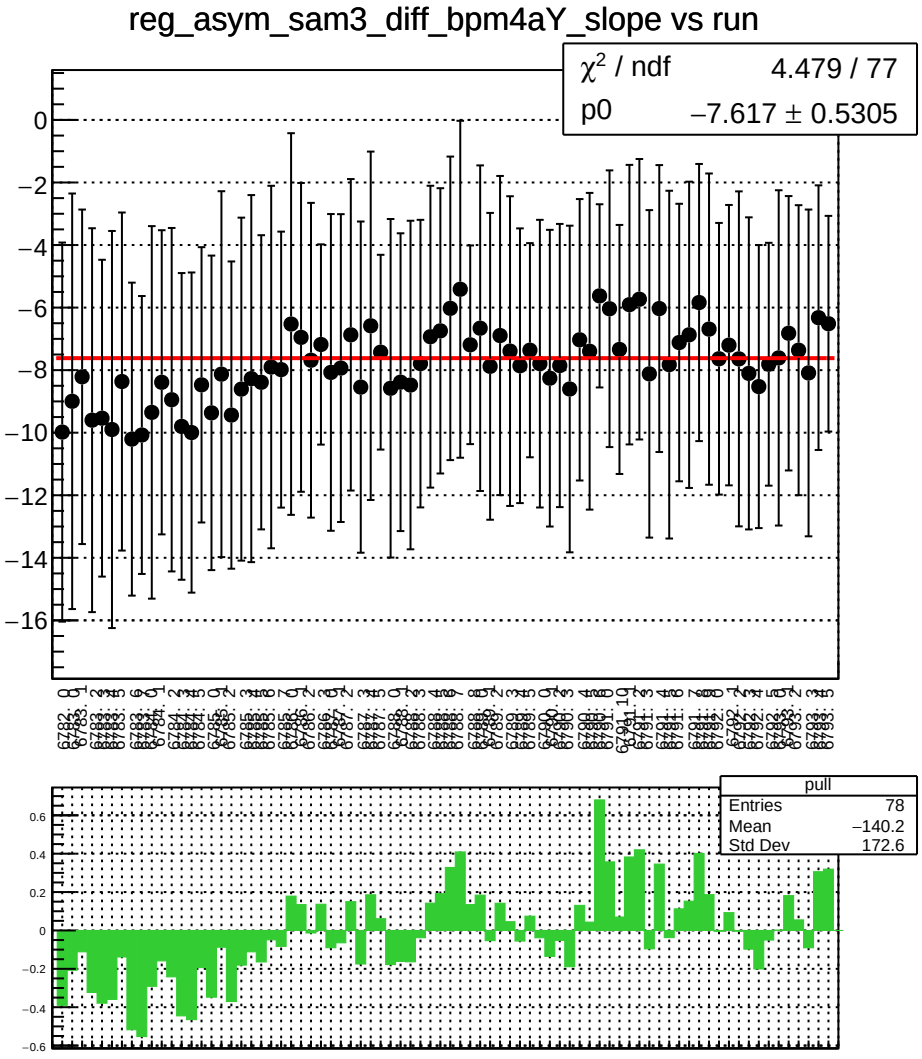

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 12.23 / 77
p0 −140.1 ± 1.913
pull
Entries 78
Mean 785.8
Std Dev 744.6

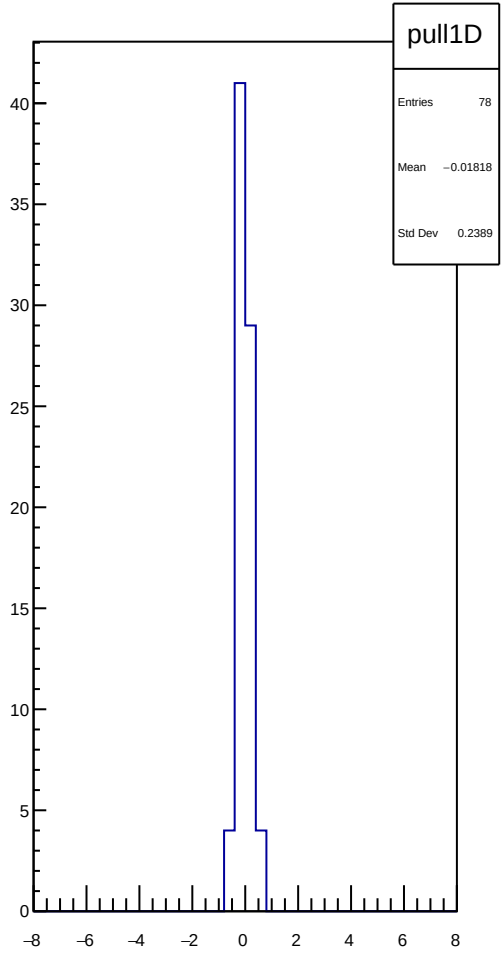

pull1D
Entries 78
Mean 0.004499
Std Dev 0.3959

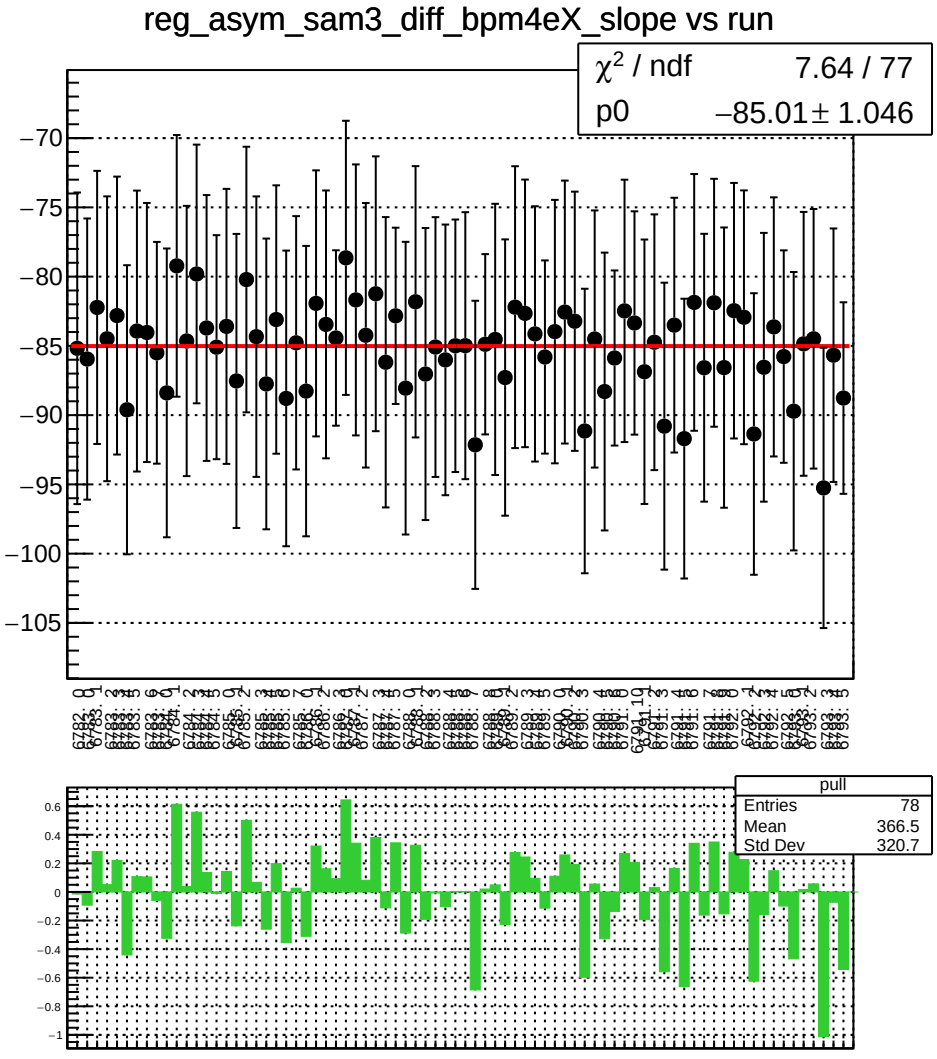

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 8.031 / 77
p0 1.917 ± 0.1282
pull
Entries 78
Mean −177.9
Std Dev 230.2
pull1D
Entries 78
Mean 0.002107
Std Dev 0.3209

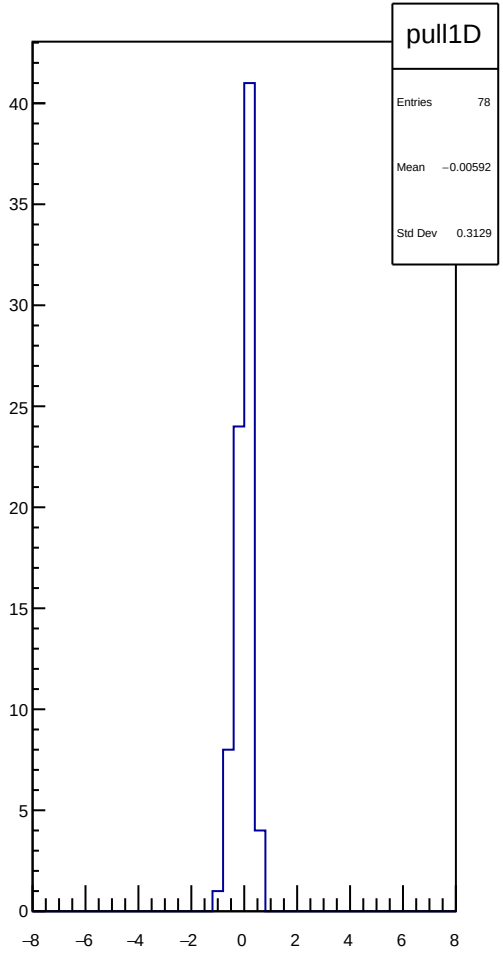

reg_asym_sam3_diff_bpm1X_slope vs run
χ^2 / ndf 3.578 / 77
p0 −25.14 ± 1.12
pull
Entries 78
Mean −4811
Std Dev 4859

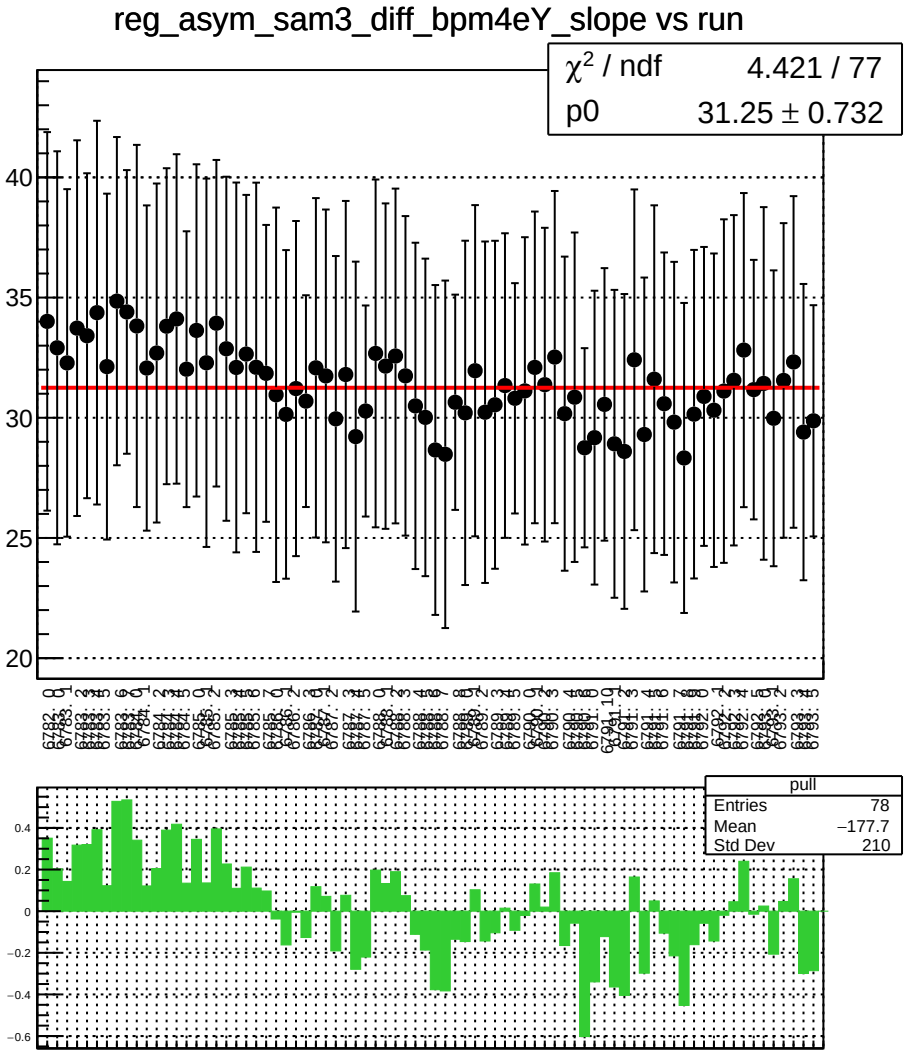

pull1D
Entries 78
Mean −0.0003163
Std Dev 0.2142

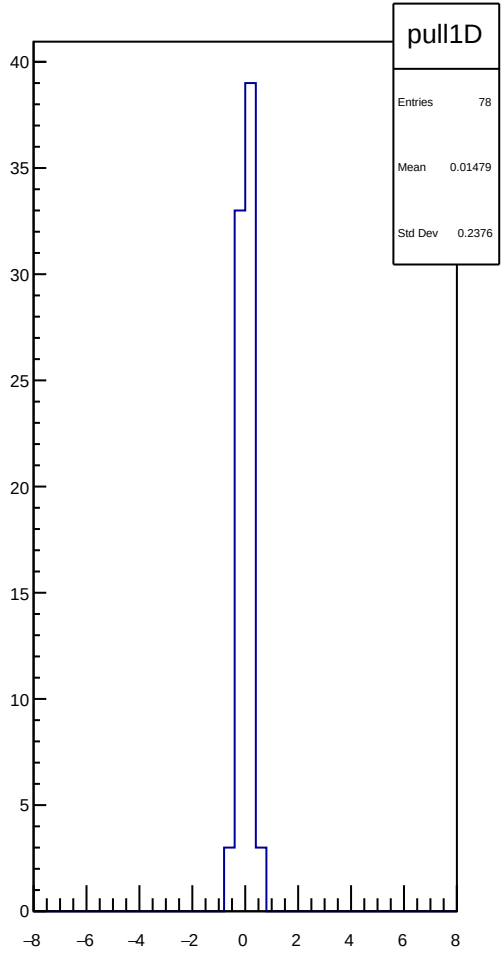

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 4.479 / 77
p0 −7.617 ± 0.5305
pull
Entries 78
Mean −140.2
Std Dev 172.6

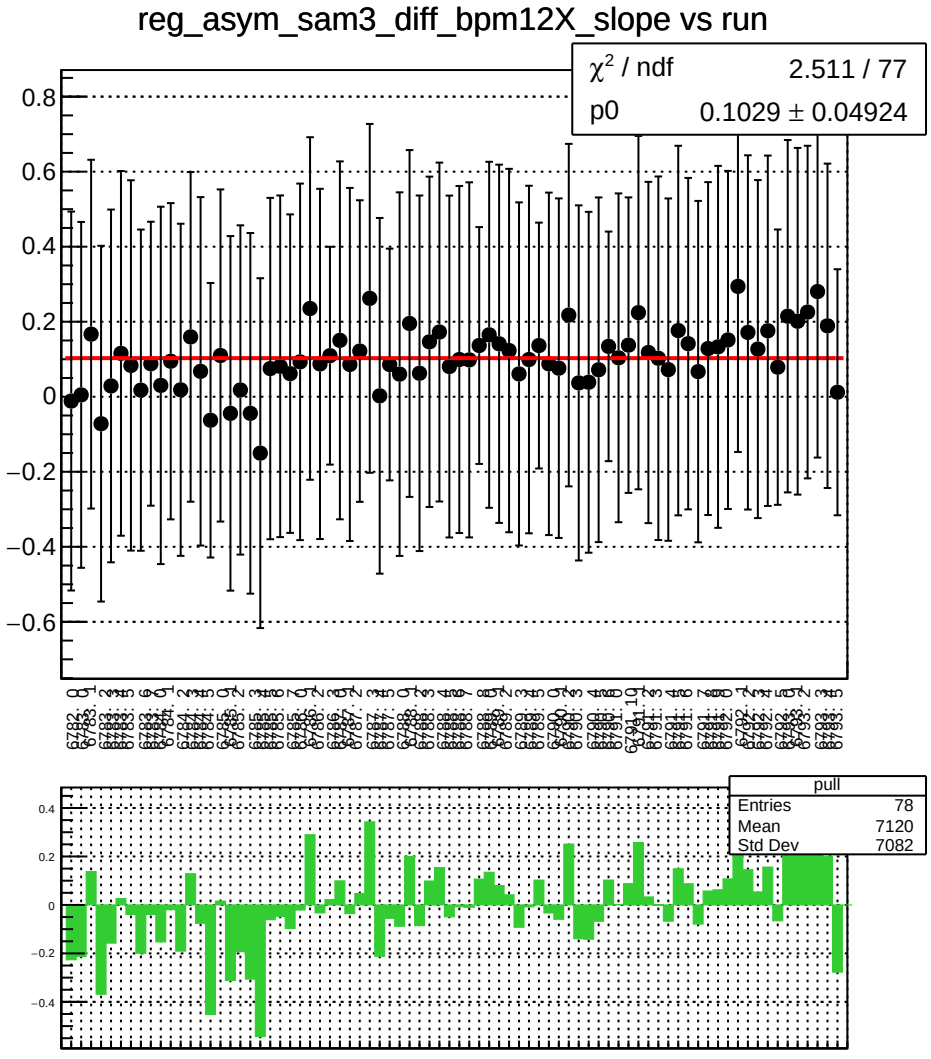

pull1D
Entries 78
Mean −0.01818
Std Dev 0.2389

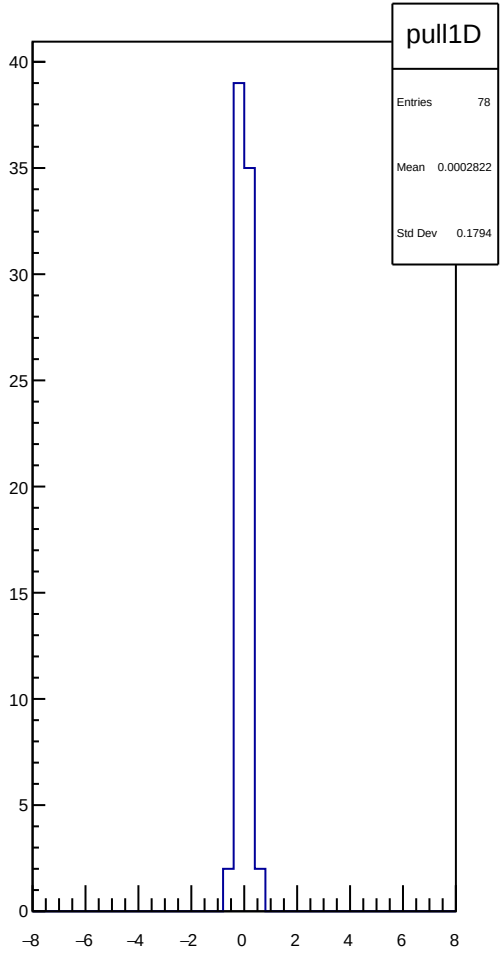

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 7.64 / 77
p0 −85.01 ± 1.046
pull
Entries 78
Mean 366.5
Std Dev 320.7

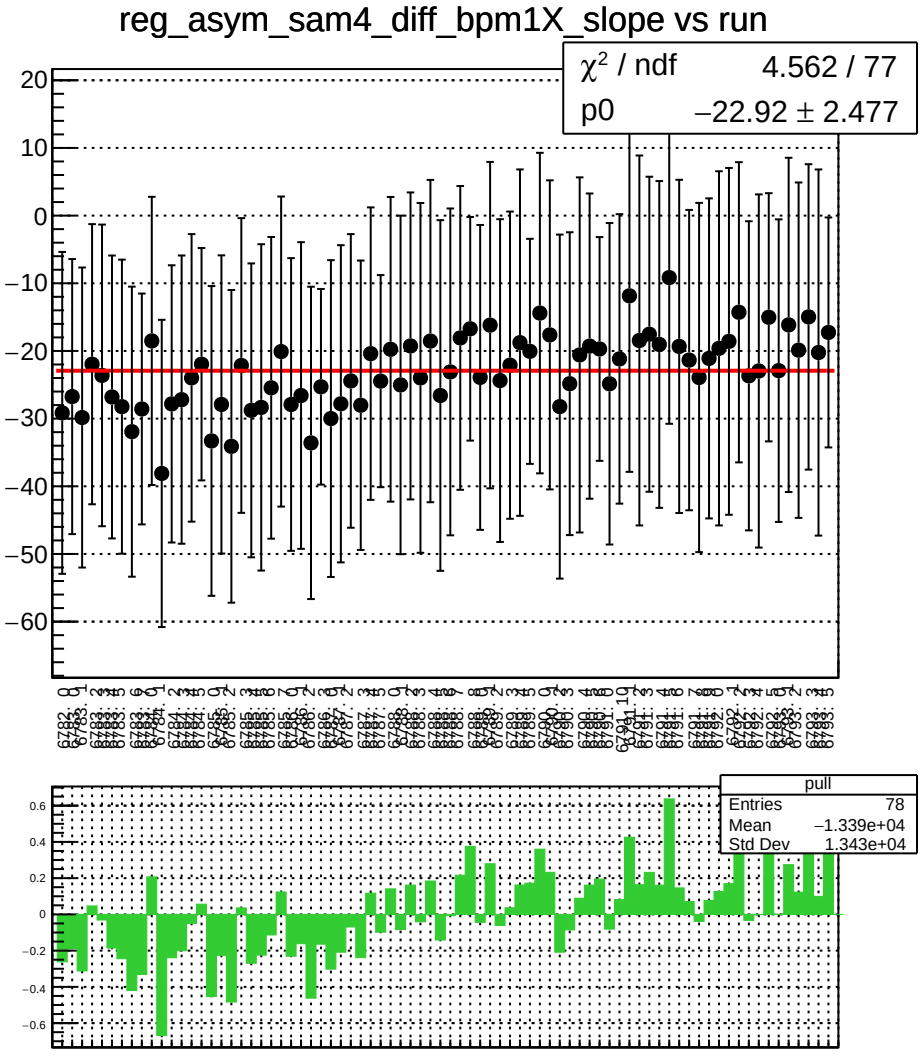

pull1D
Entries 78
Mean −0.00592
Std Dev 0.3129

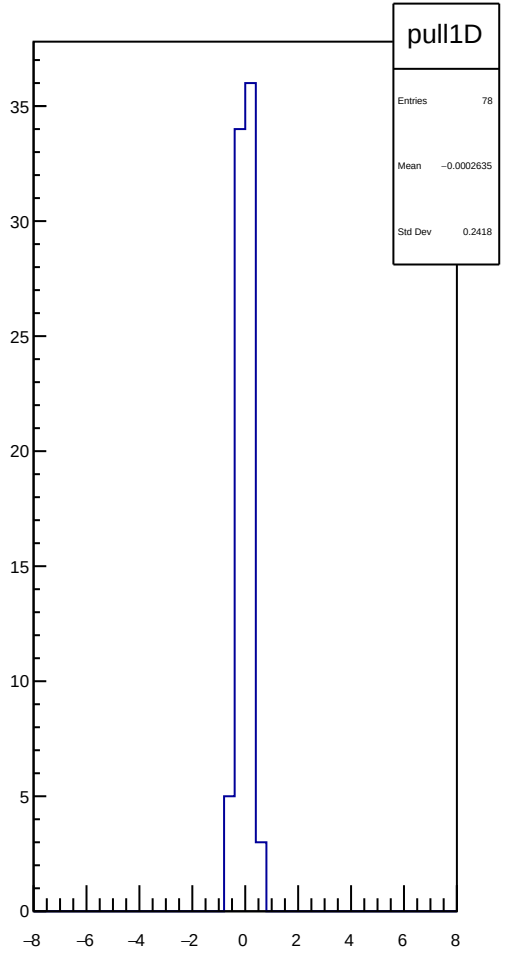

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 4.421 / 77
p0 31.25 ± 0.732
pull
Entries 78
Mean −177.7
Std Dev 210

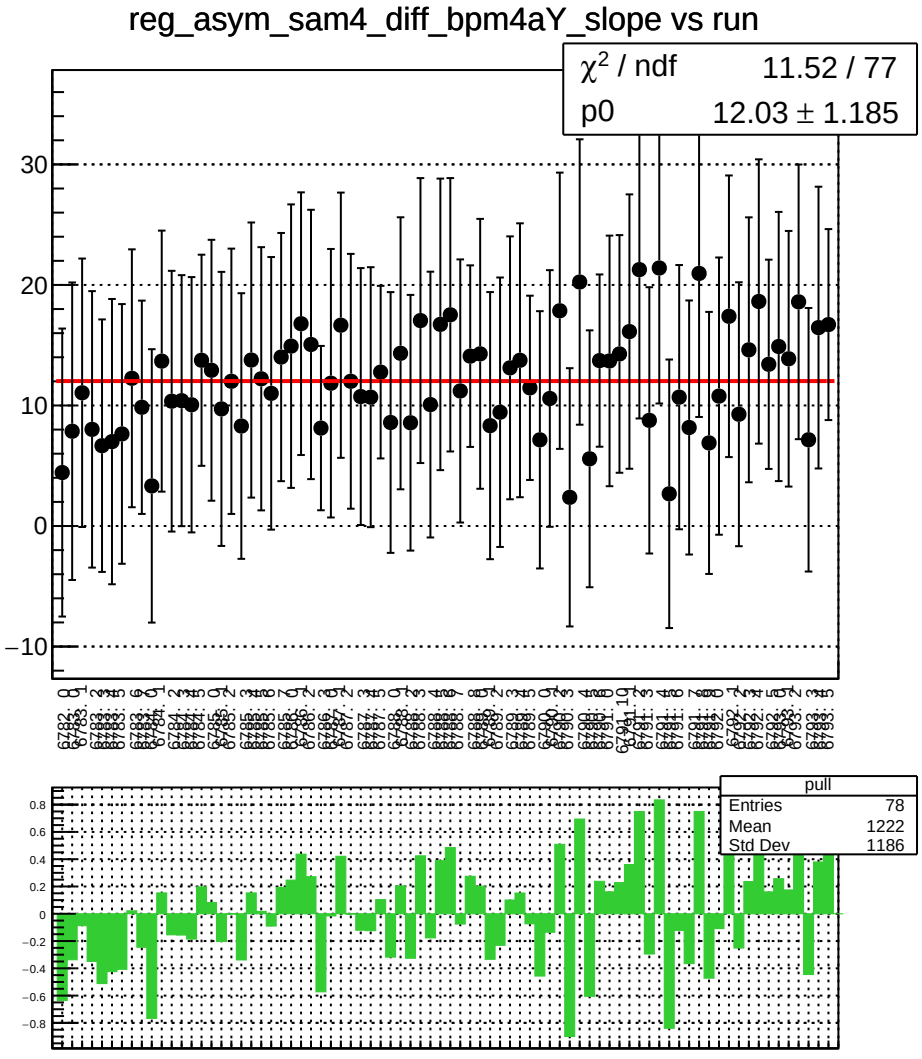

pull1D
Entries 78
Mean 0.01479
Std Dev 0.2376

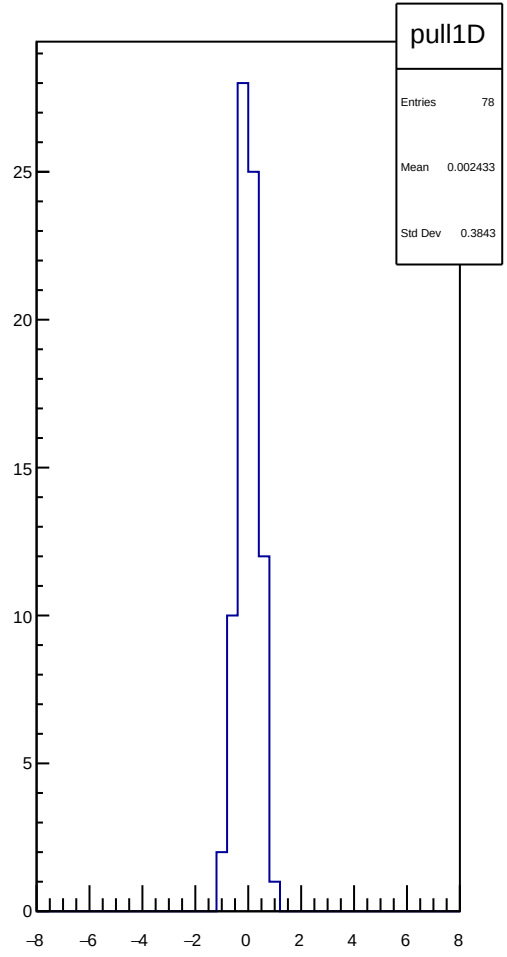

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 2.511 / 77
p0 0.1029 ± 0.04924
pull
Entries 78
Mean 7120
Std Dev 7082

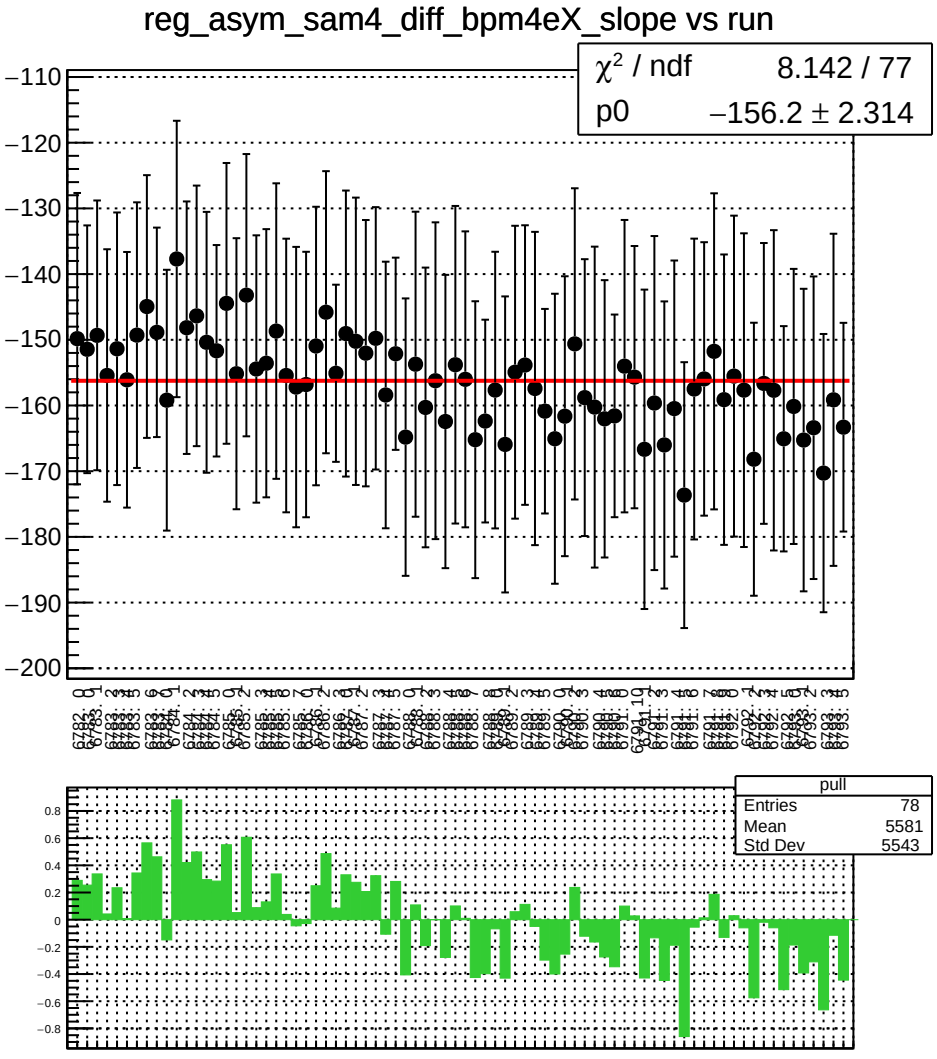

pull1D
Entries 78
Mean 0.0002822
Std Dev 0.1794

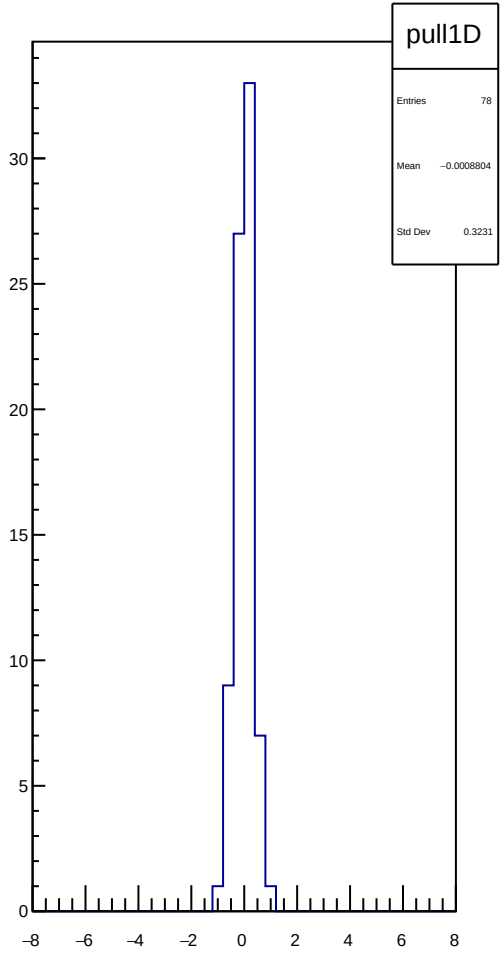

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 4.562 / 77
p0 −22.92 ± 2.477
pull
Entries 78
Mean −1.339e+04
Std Dev 1.343e+04

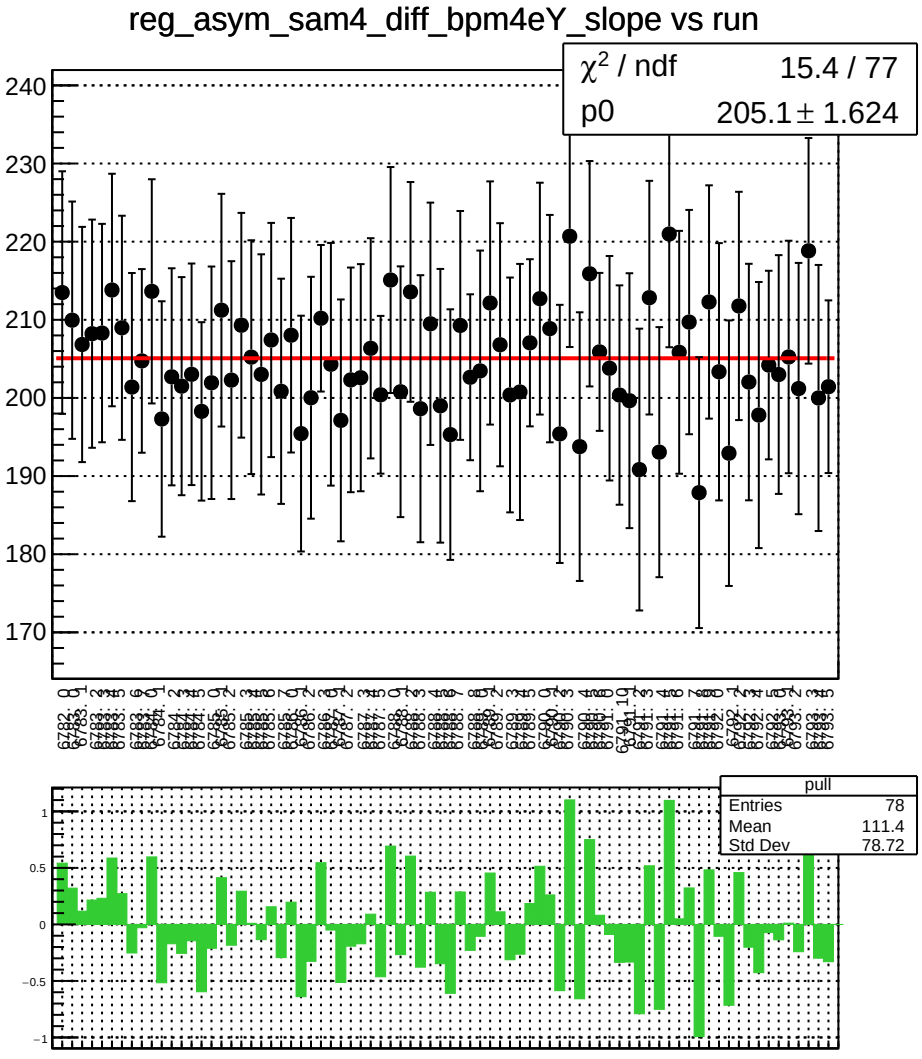

pull1D
Entries 78
Mean −0.0002635
Std Dev 0.2418

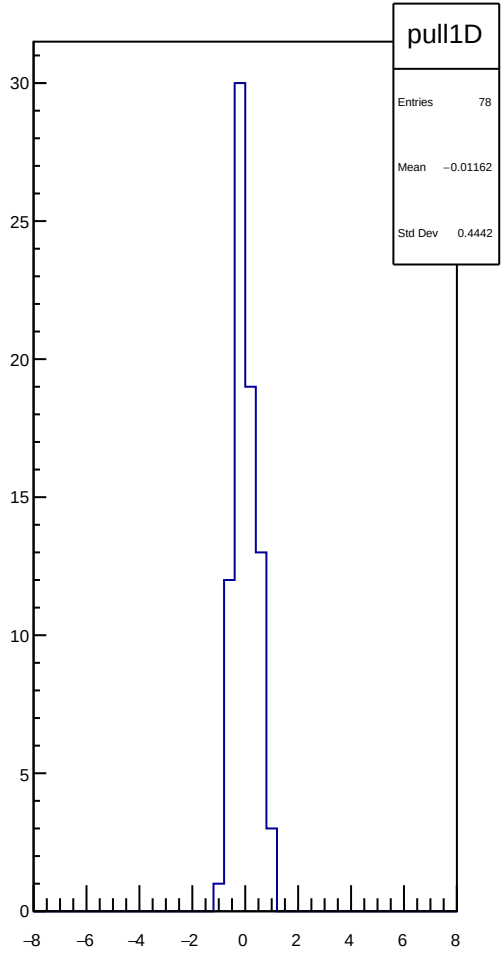

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 11.52 / 77
p0 12.03 ± 1.185
pull
Entries 78
Mean 1222
Std Dev 1186

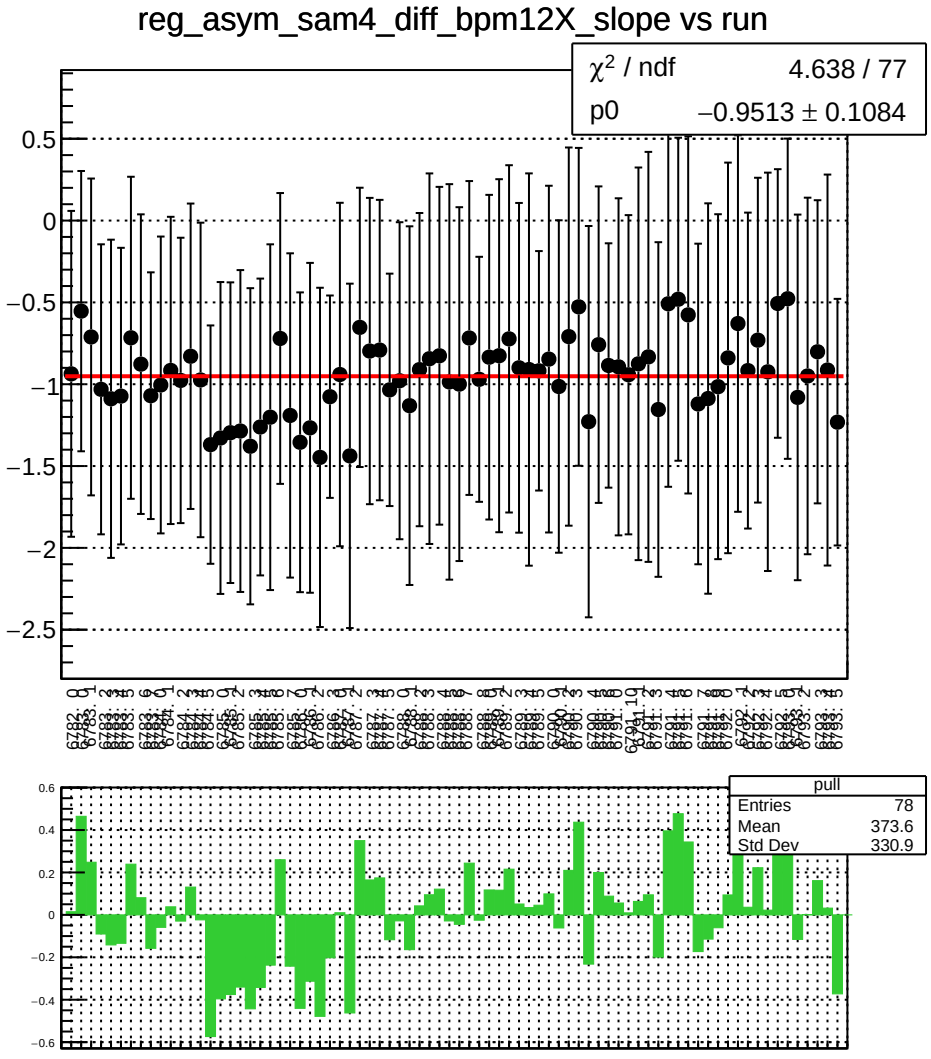

pull1D
Entries 78
Mean 0.002433
Std Dev 0.3843

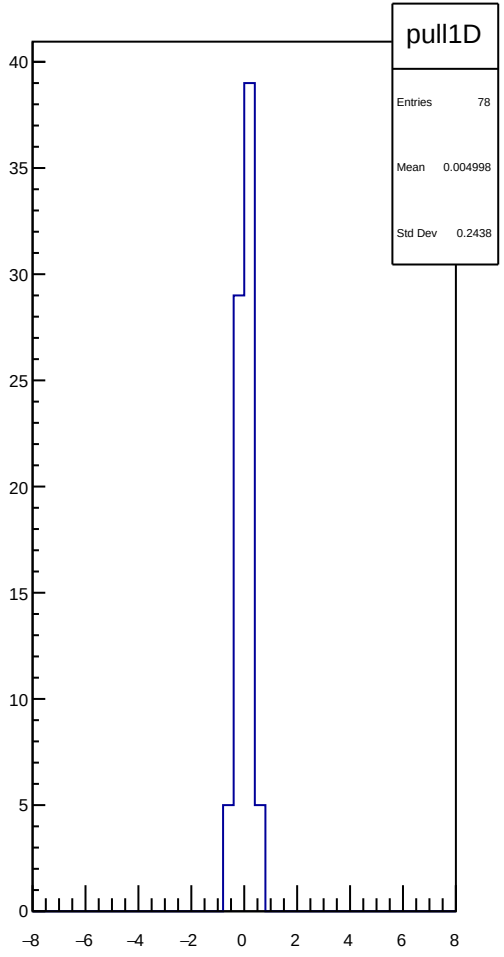

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 8.142 / 77
p0 −156.2 ± 2.314
pull
Entries 78
Mean 5581
Std Dev 5543

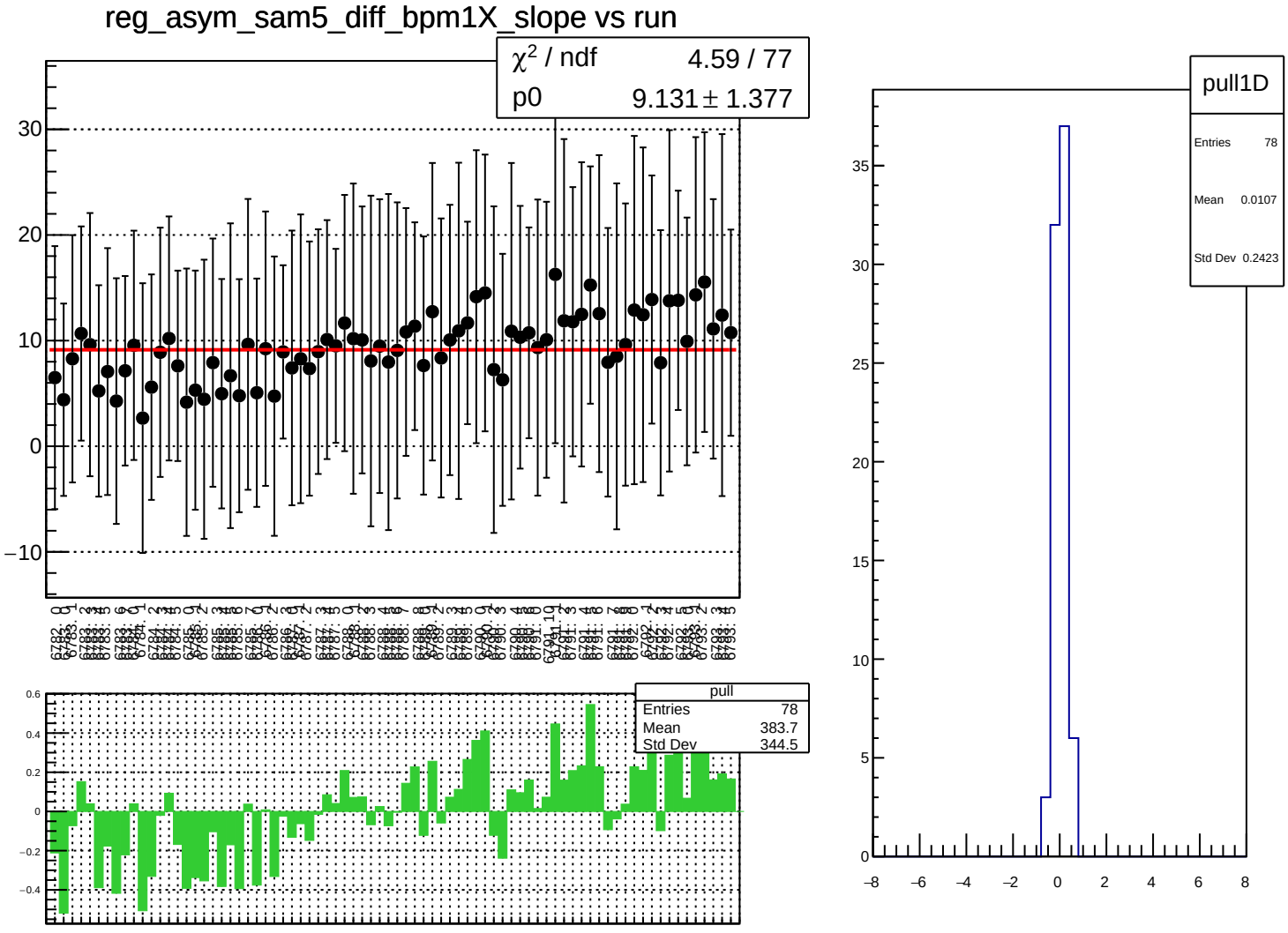

pull1D
Entries 78
Mean −0.0008804
Std Dev 0.3231

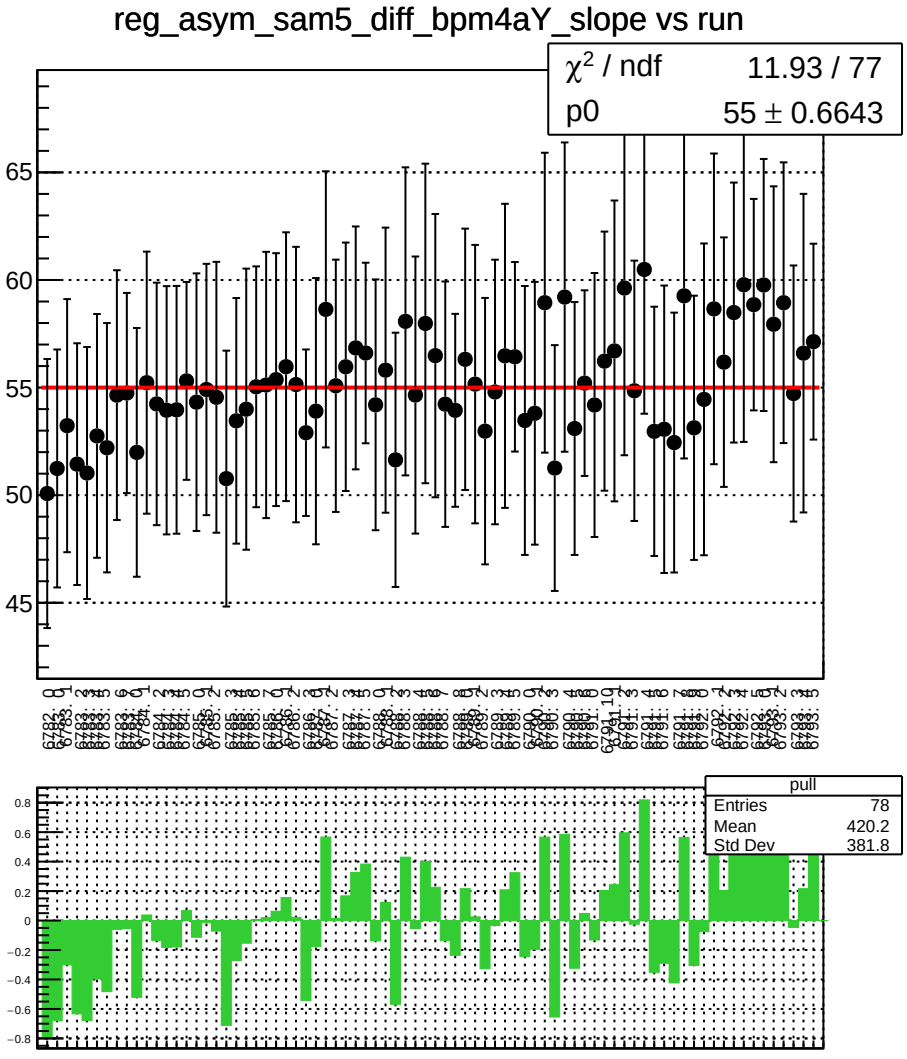

reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 15.4 / 77
p0 205.1 ± 1.624
pull
Entries 78
Mean 111.4
Std Dev 78.72

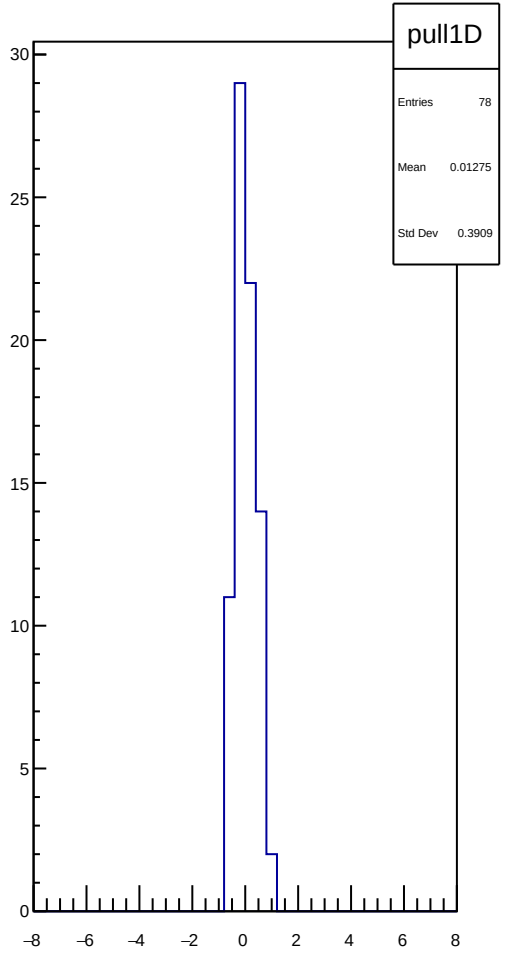

pull1D
Entries 78
Mean −0.01162
Std Dev 0.4442

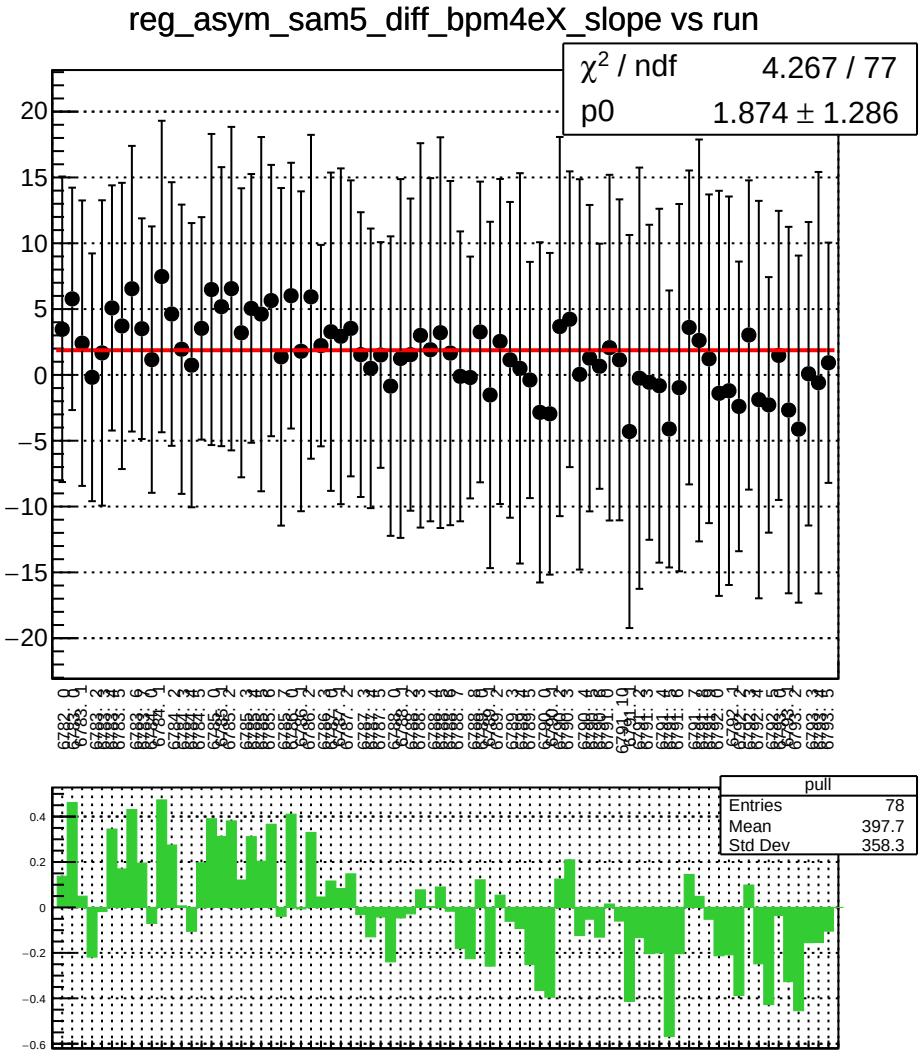

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 4.638 / 77
p0 −0.9513 ± 0.1084
pull
Entries 78
Mean 373.6
Std Dev 330.9

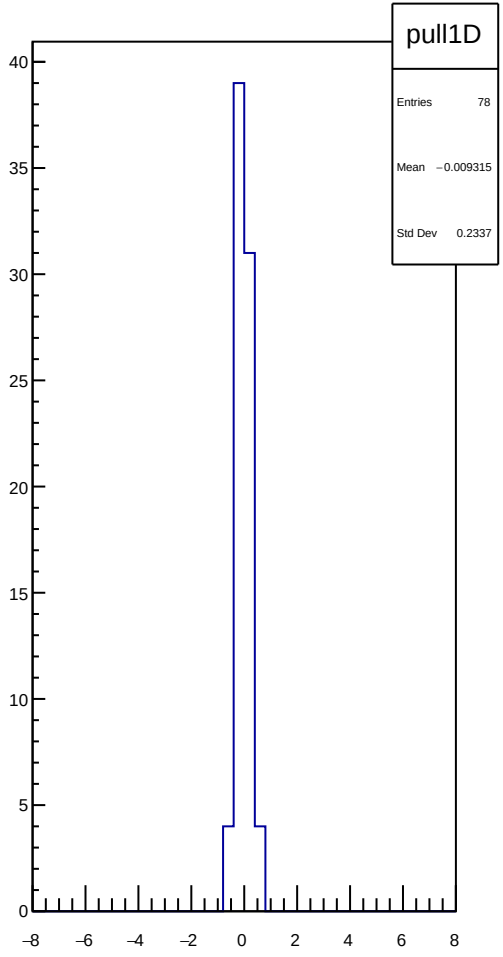

pull1D
Entries 78
Mean 0.004998
Std Dev 0.2438

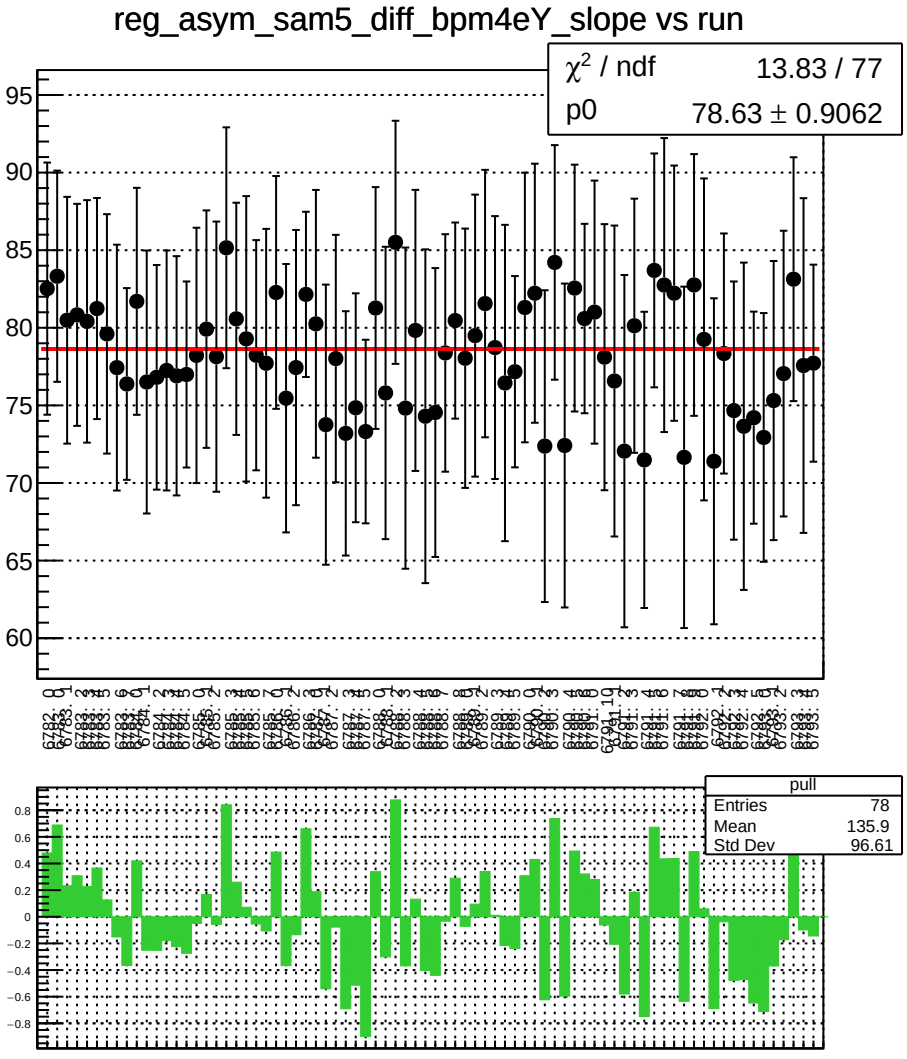

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 4.59 / 77
p0 9.131 ± 1.377
pull
Entries 78
Mean 383.7
Std Dev 344.5
pull1D
Entries 78
Mean 0.0107
Std Dev 0.2423

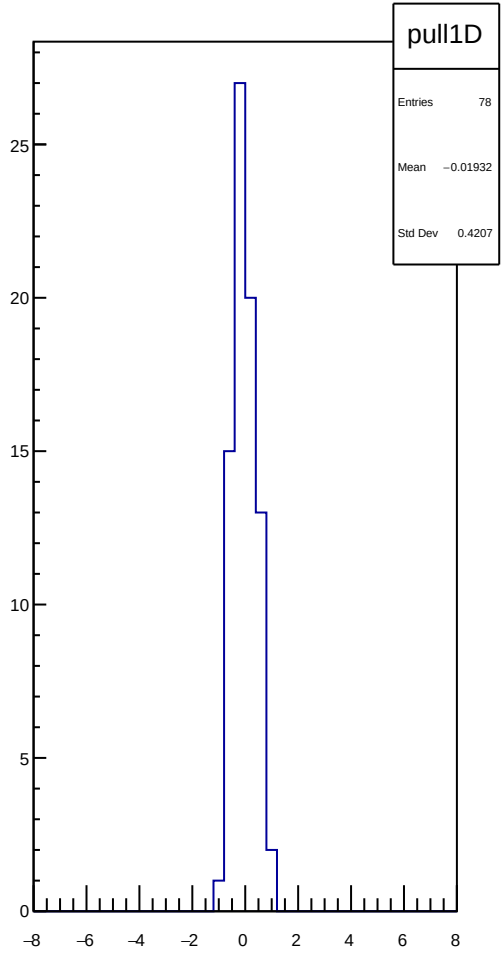

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 11.93 / 77
p0 55 ± 0.6643
pull
Entries 78
Mean 420.2
Std Dev 381.8

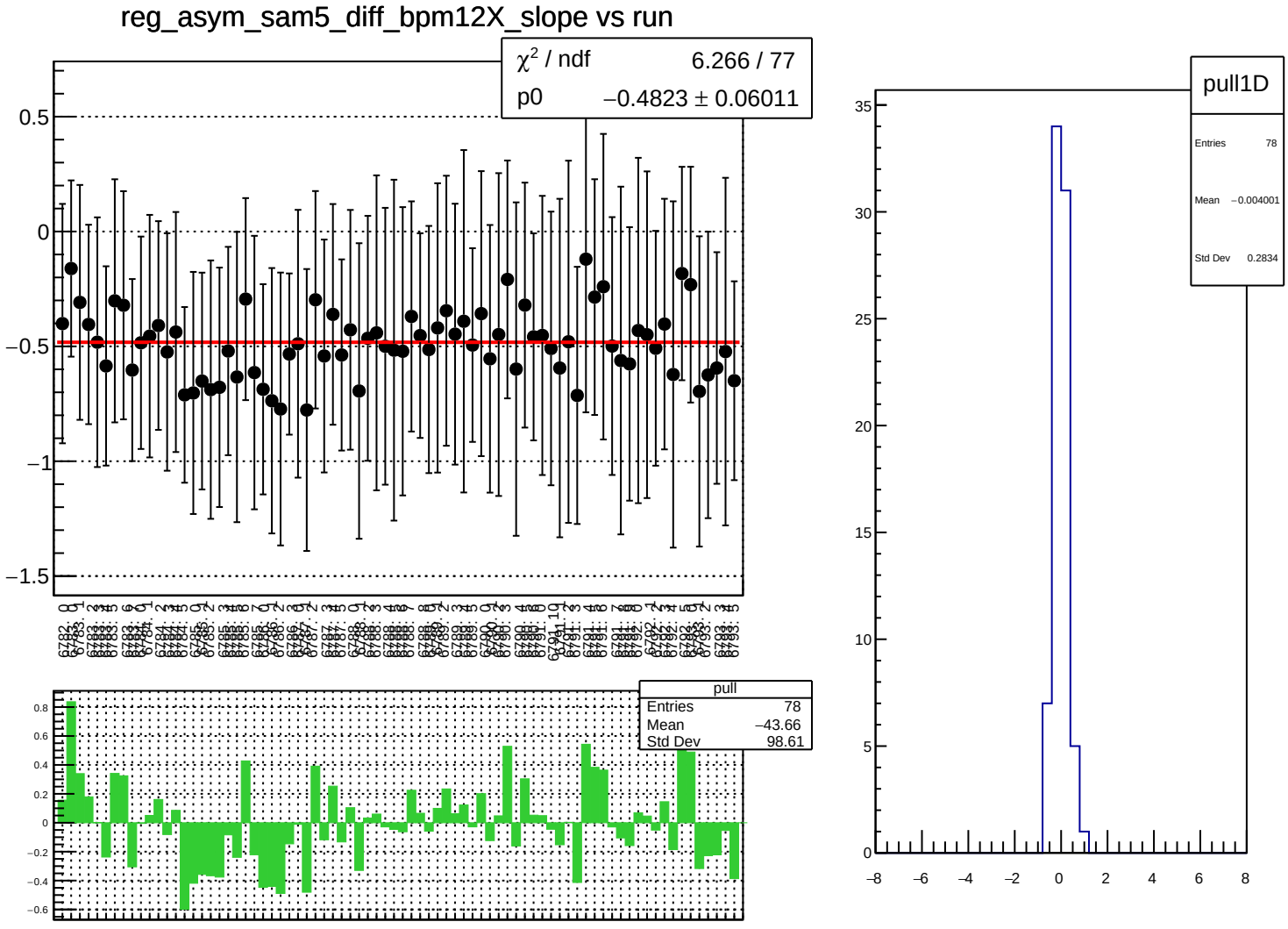

pull1D
Entries 78
Mean 0.01275
Std Dev 0.3909

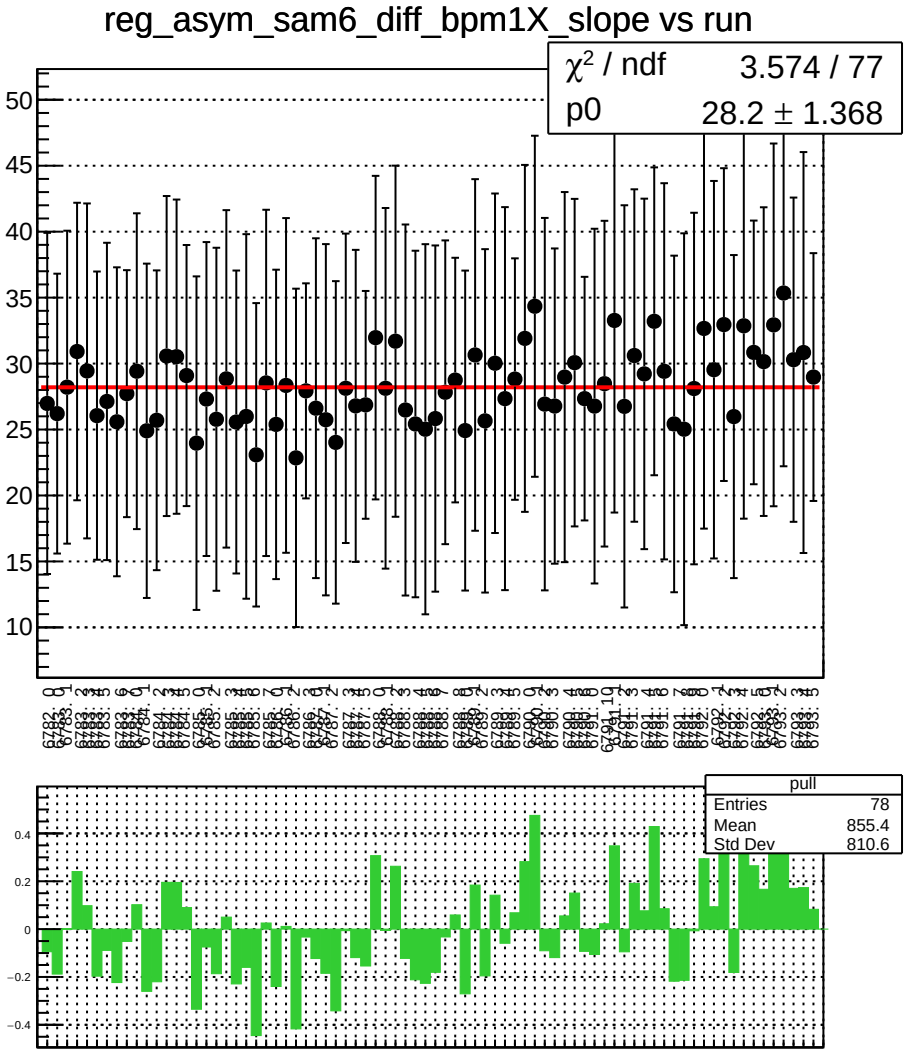

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 4.267 / 77
p0 1.874 ± 1.286
pull
Entries 78
Mean 397.7
Std Dev 358.3

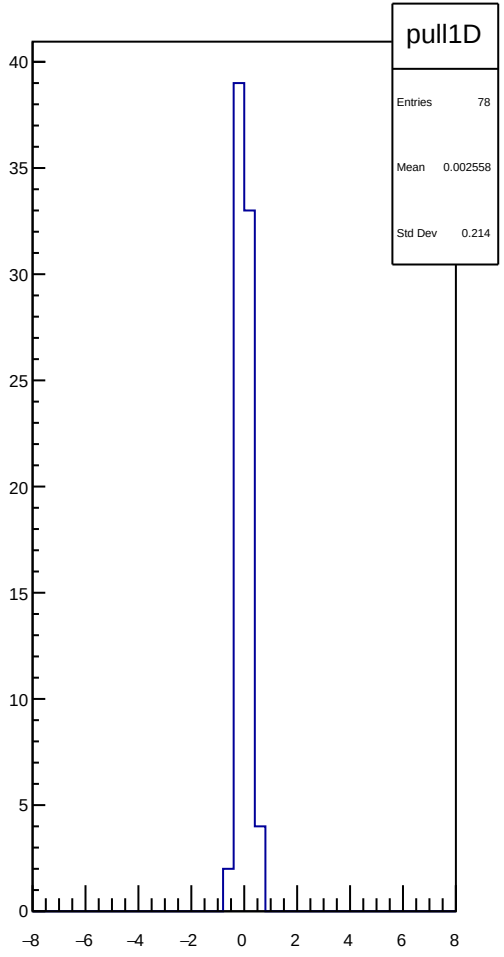

pull1D
Entries 78
Mean −0.009315
Std Dev 0.2337

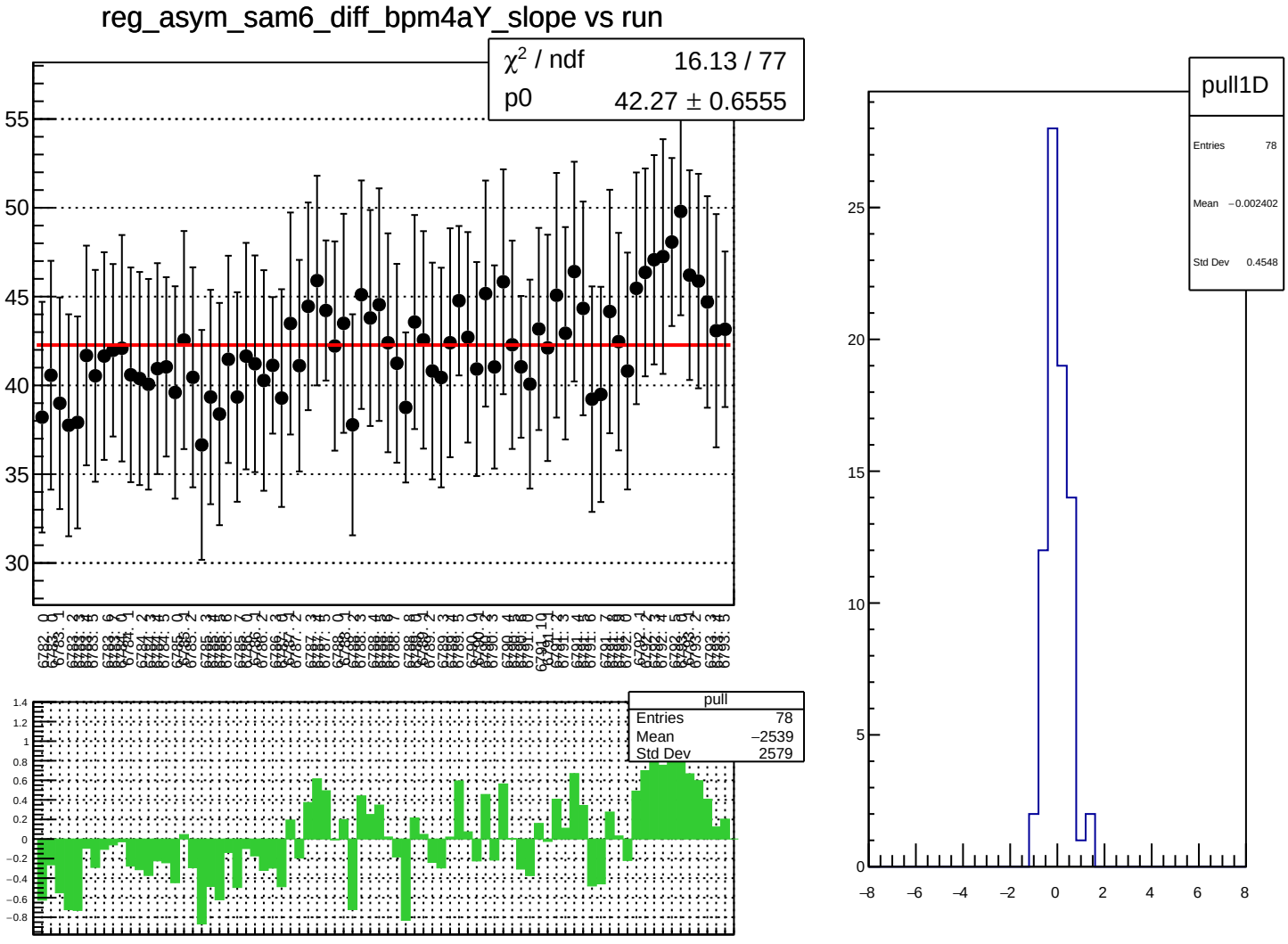

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 13.83 / 77
p0 78.63 ± 0.9062
pull
Entries 78
Mean 135.9
Std Dev 96.61

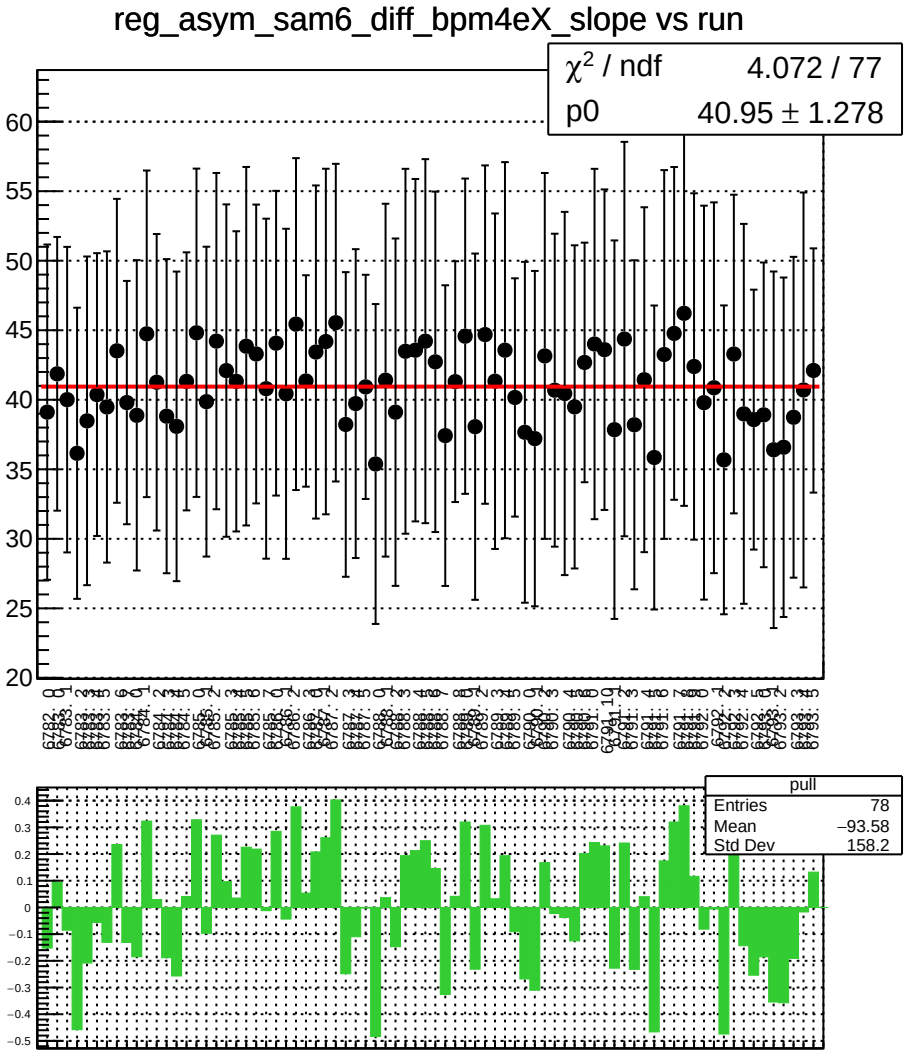

pull1D
Entries 78
Mean −0.01932
Std Dev 0.4207

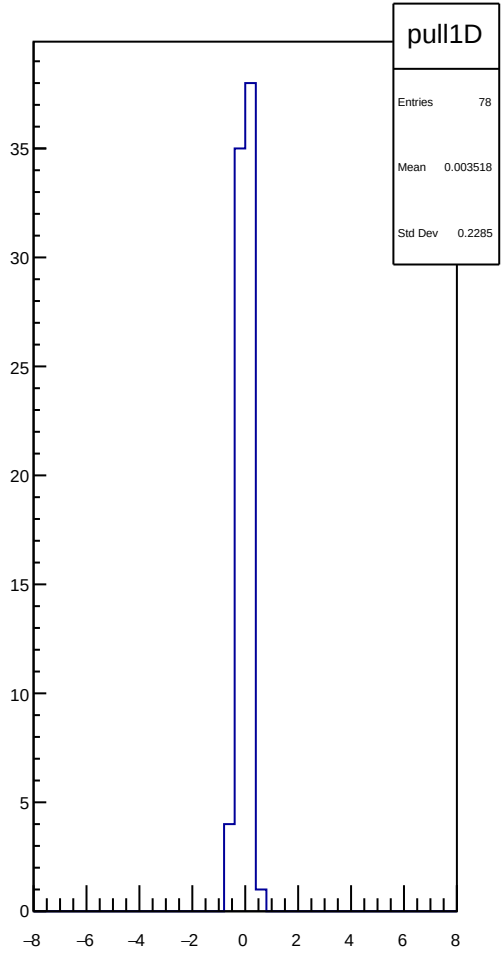

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 6.266 / 77
p0 −0.4823 ± 0.06011
pull
Entries 78
Mean −43.66
Std Dev 98.61
pull1D
Entries 78
Mean −0.004001
Std Dev 0.2834

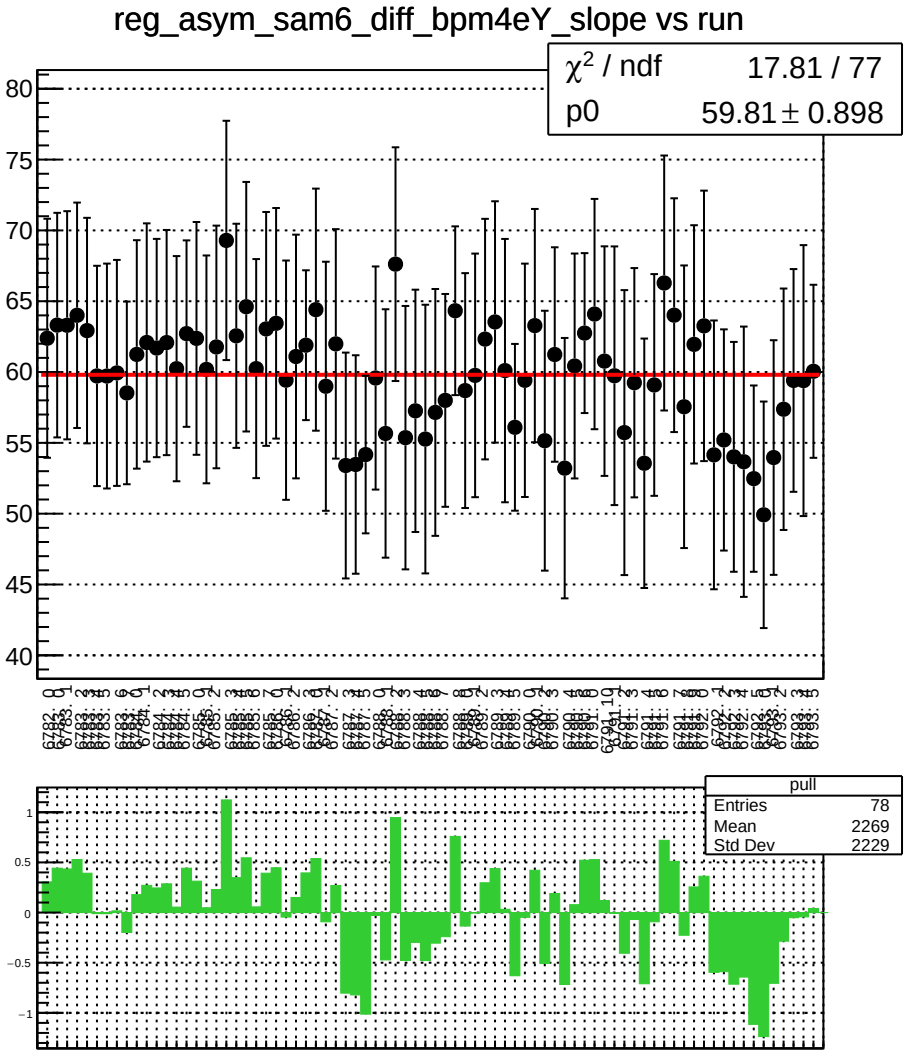

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.574 / 77
p0 28.2 ± 1.368
pull
Entries 78
Mean 855.4
Std Dev 810.6

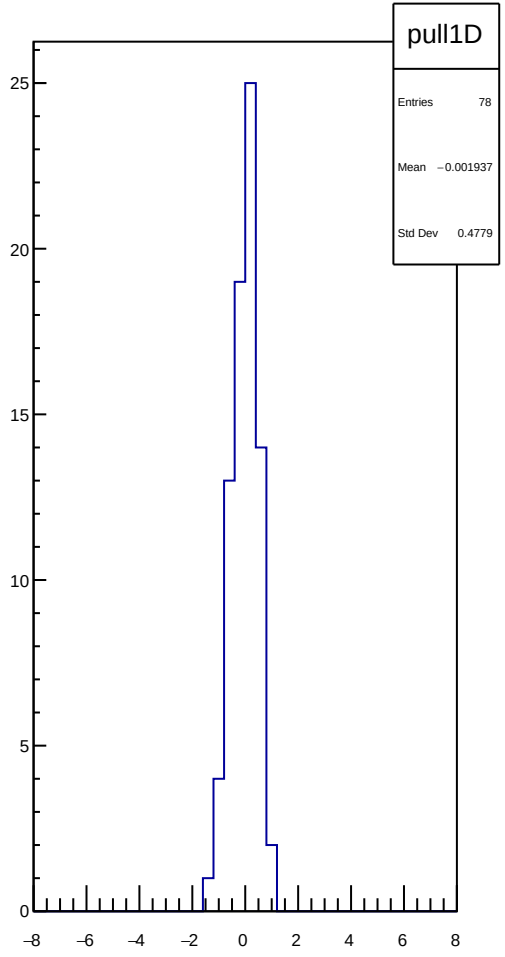

pull1D
Entries 78
Mean 0.002558
Std Dev 0.214

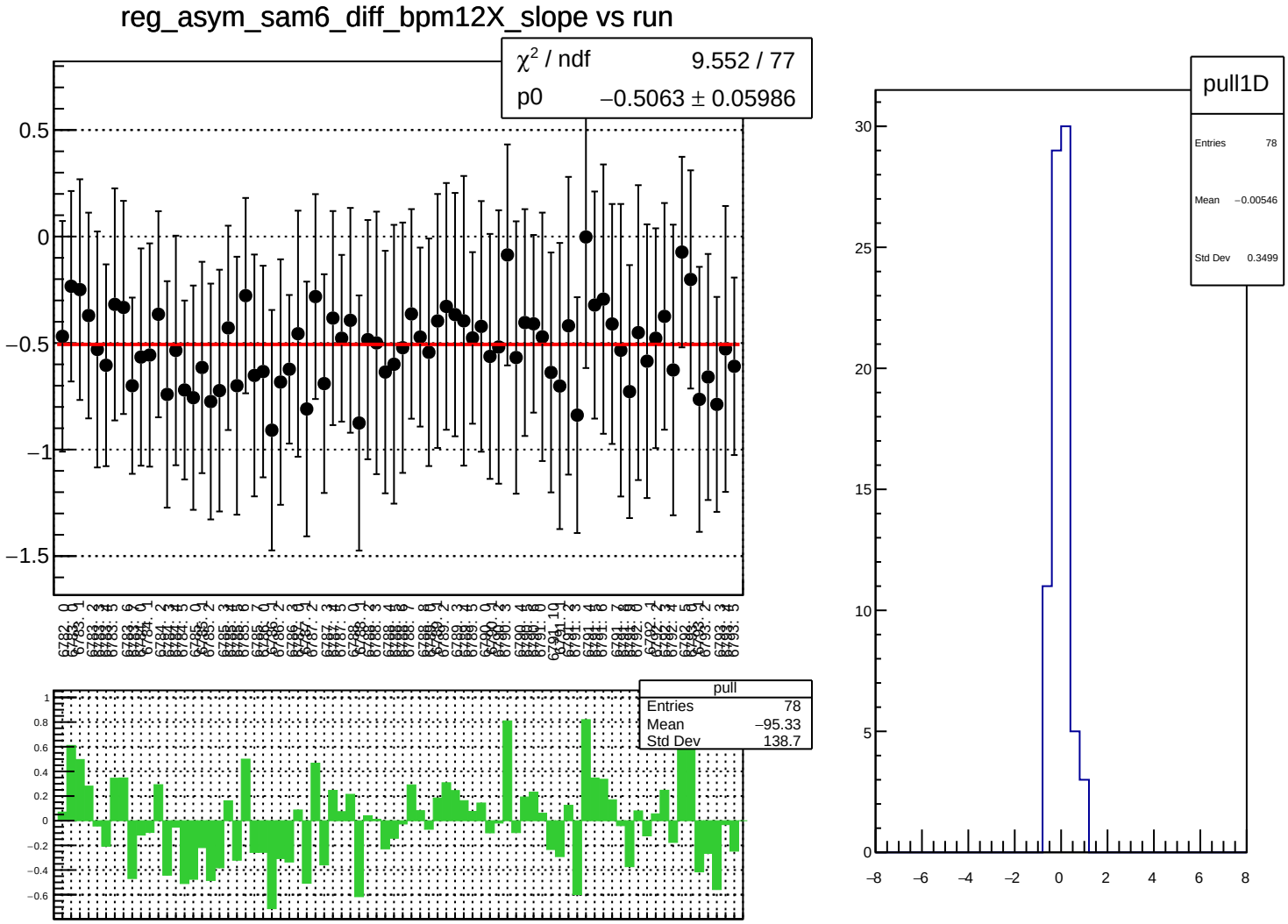

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 16.13 / 77
p0 42.27 ± 0.6555
pull
Entries 78
Mean −2539
Std Dev 2579
pull1D
Entries 78
Mean −0.002402
Std Dev 0.4548

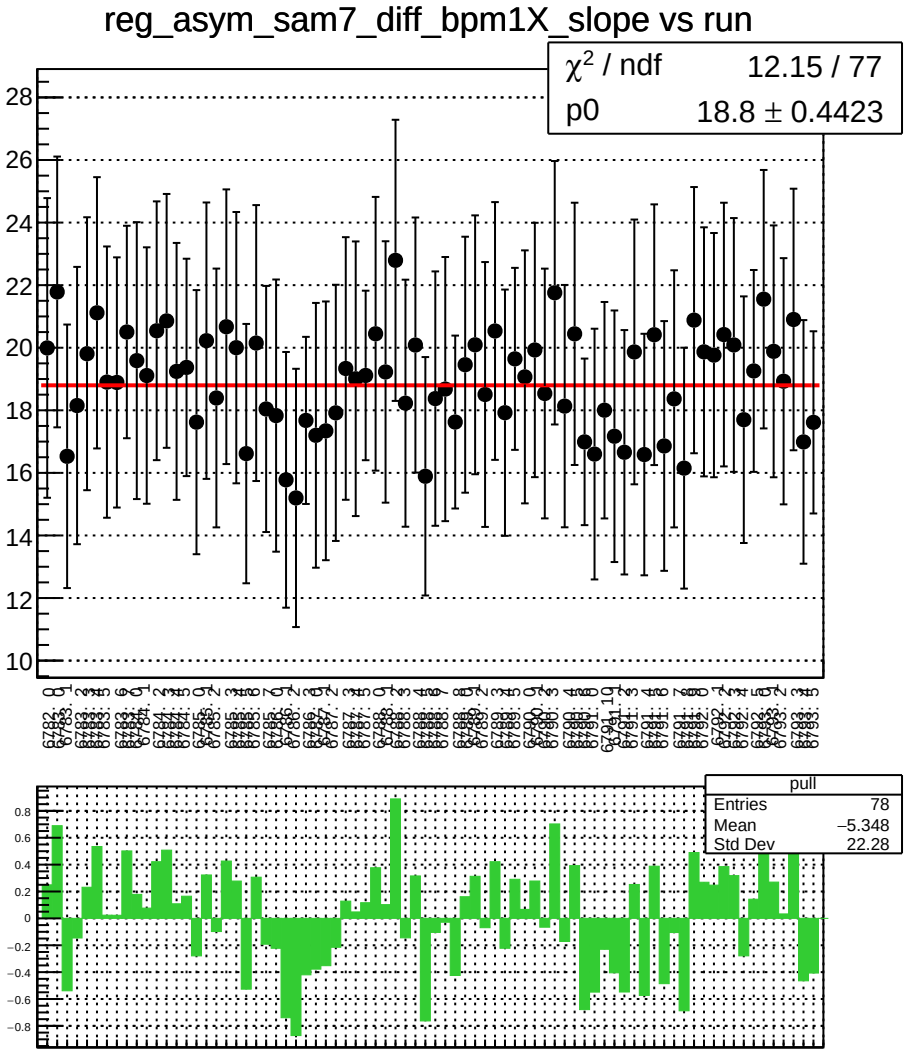

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.072 / 77
p0 40.95 ± 1.278
pull
Entries 78
Mean −93.58
Std Dev 158.2

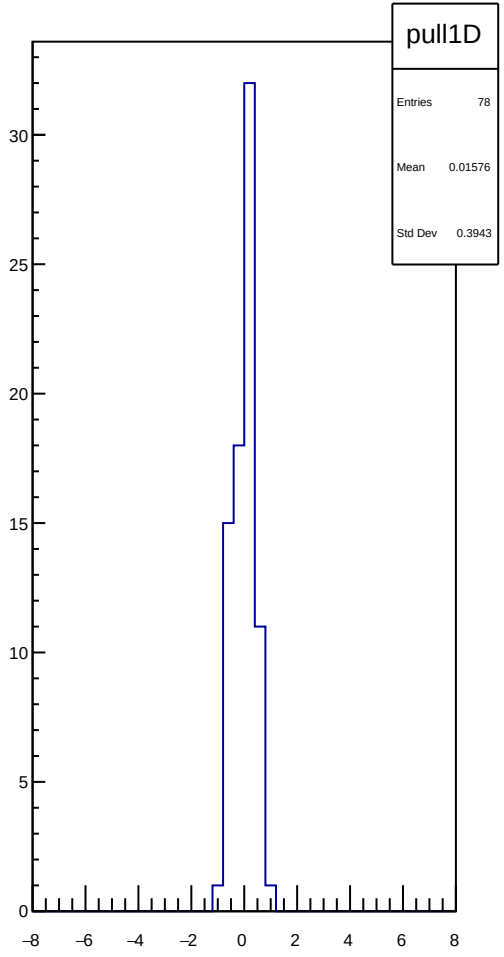

pull1D
Entries 78
Mean 0.003518
Std Dev 0.2285

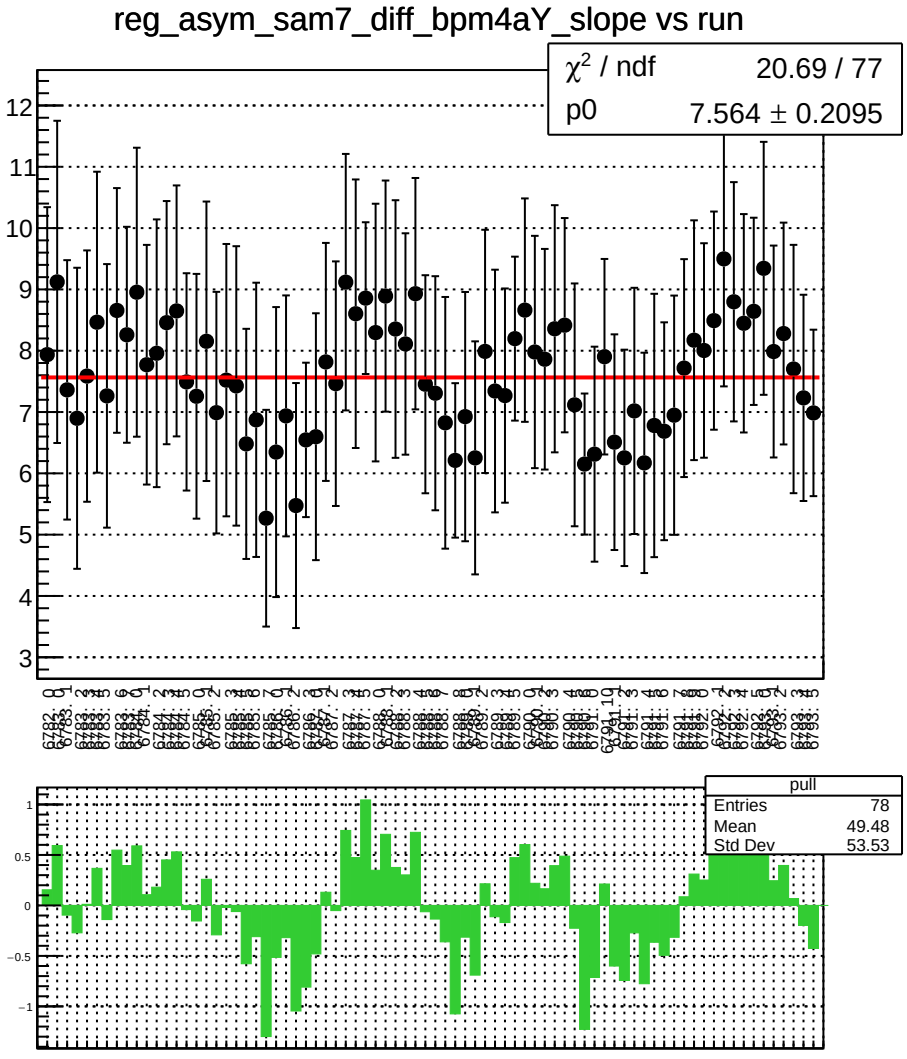

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 17.81 / 77
p0 59.81 ± 0.898
pull
Entries 78
Mean 2269
Std Dev 2229

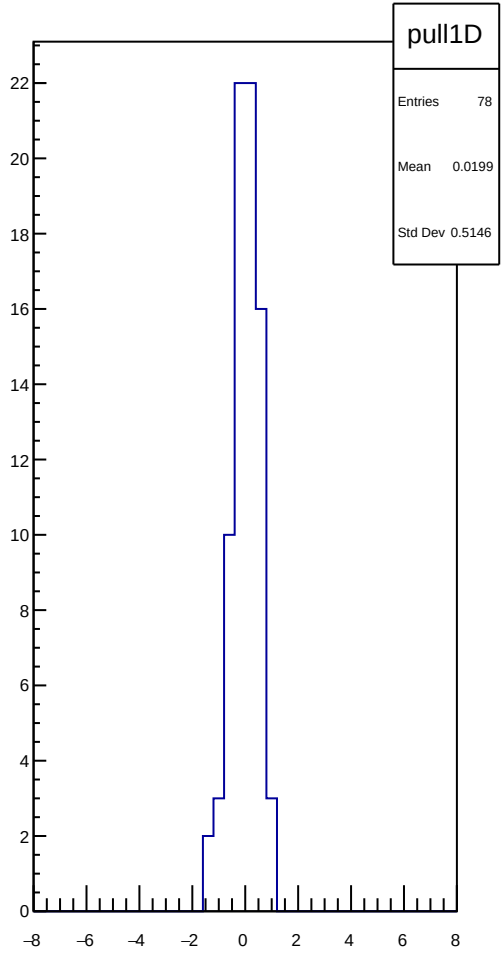

pull1D
Entries 78
Mean −0.001937
Std Dev 0.4779

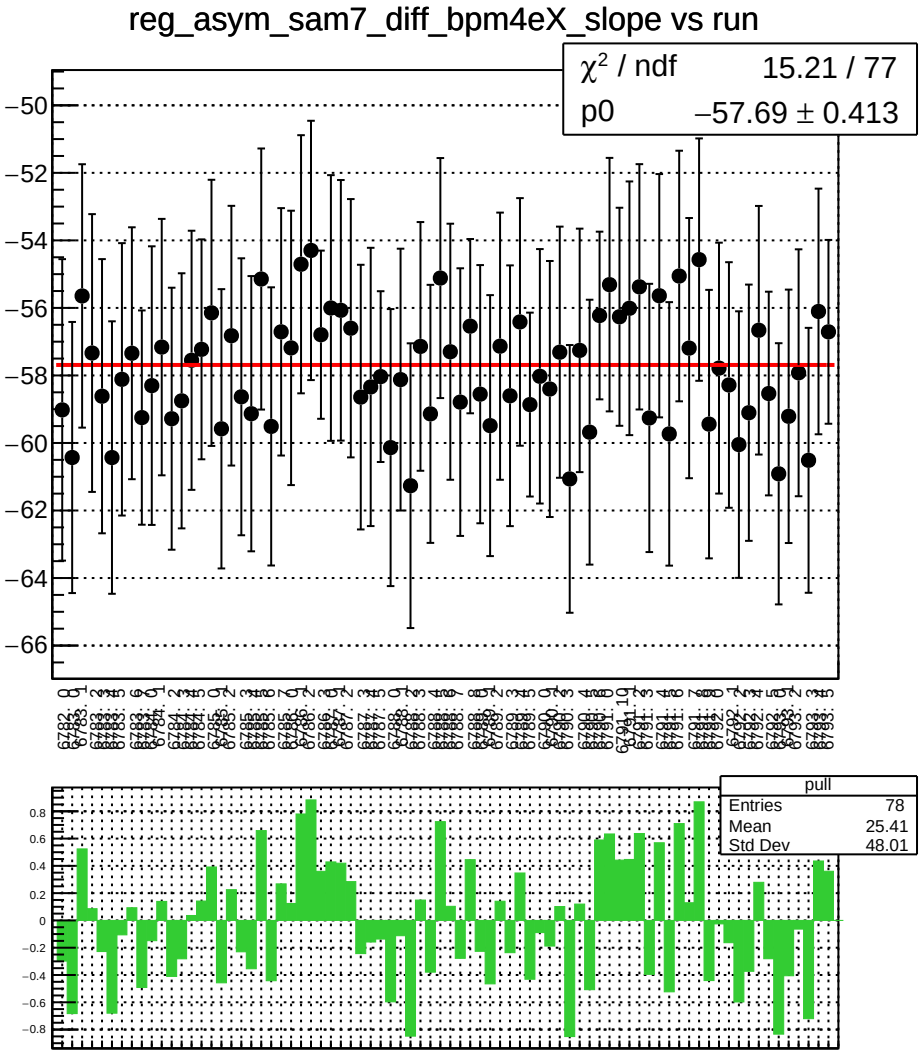

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 9.552 / 77
p0 −0.5063 ± 0.05986
pull
Entries 78
Mean −95.33
Std Dev 138.7
pull1D
Entries 78
Mean −0.00546
Std Dev 0.3499

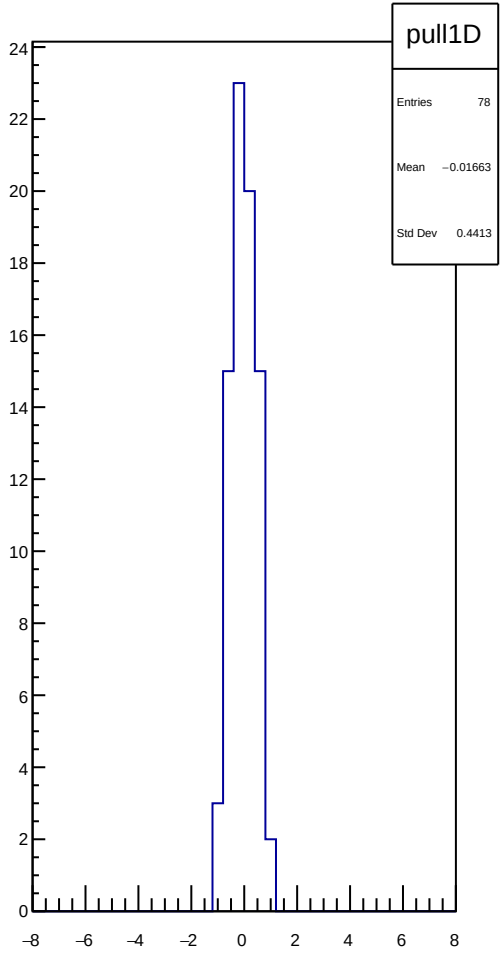

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 12.15 / 77
p0 18.8 ± 0.4423
pull
Entries 78
Mean −5.348
Std Dev 22.28

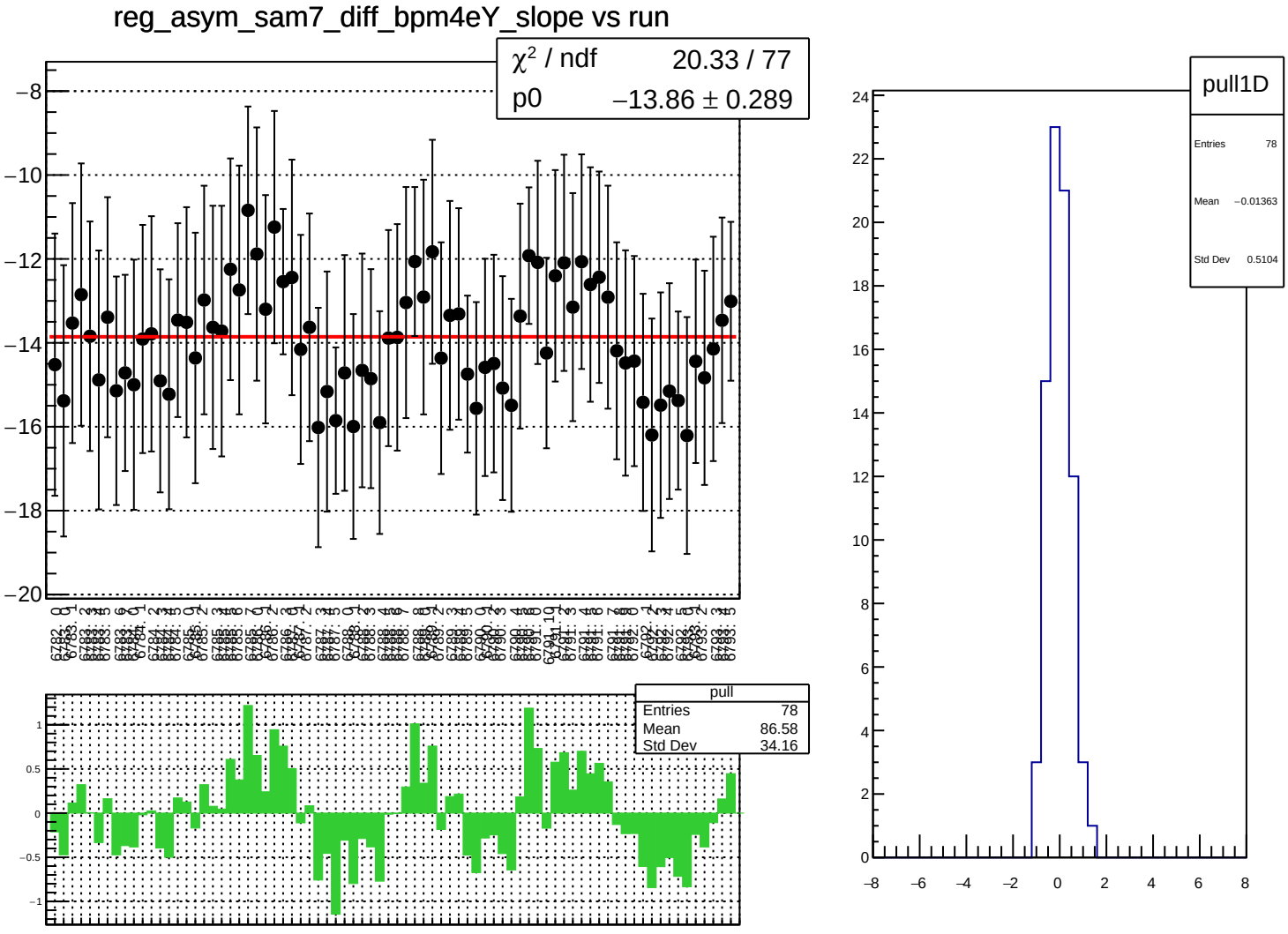

pull1D
Entries 78
Mean 0.01576
Std Dev 0.3943

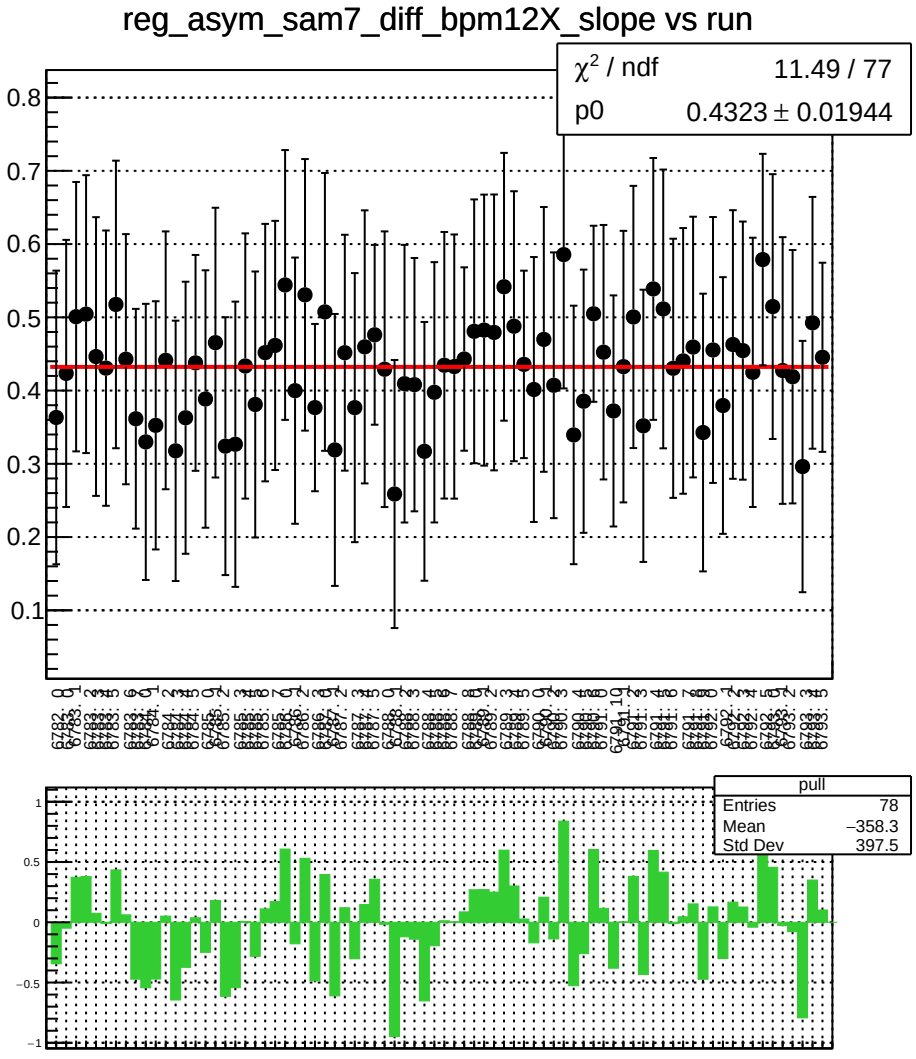

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 20.69 / 77
p0 7.564 ± 0.2095
pull
Entries 78
Mean 49.48
Std Dev 53.53

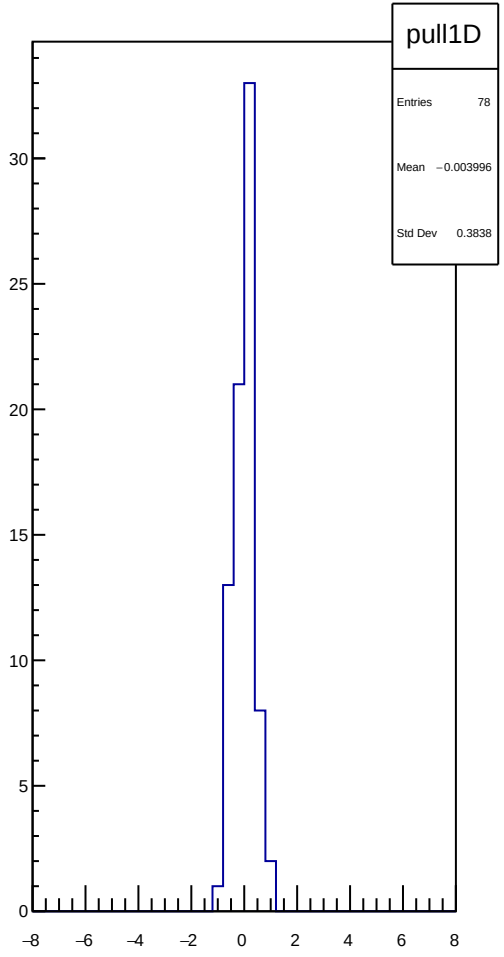

pull1D
Entries 78
Mean 0.0199
Std Dev 0.5146

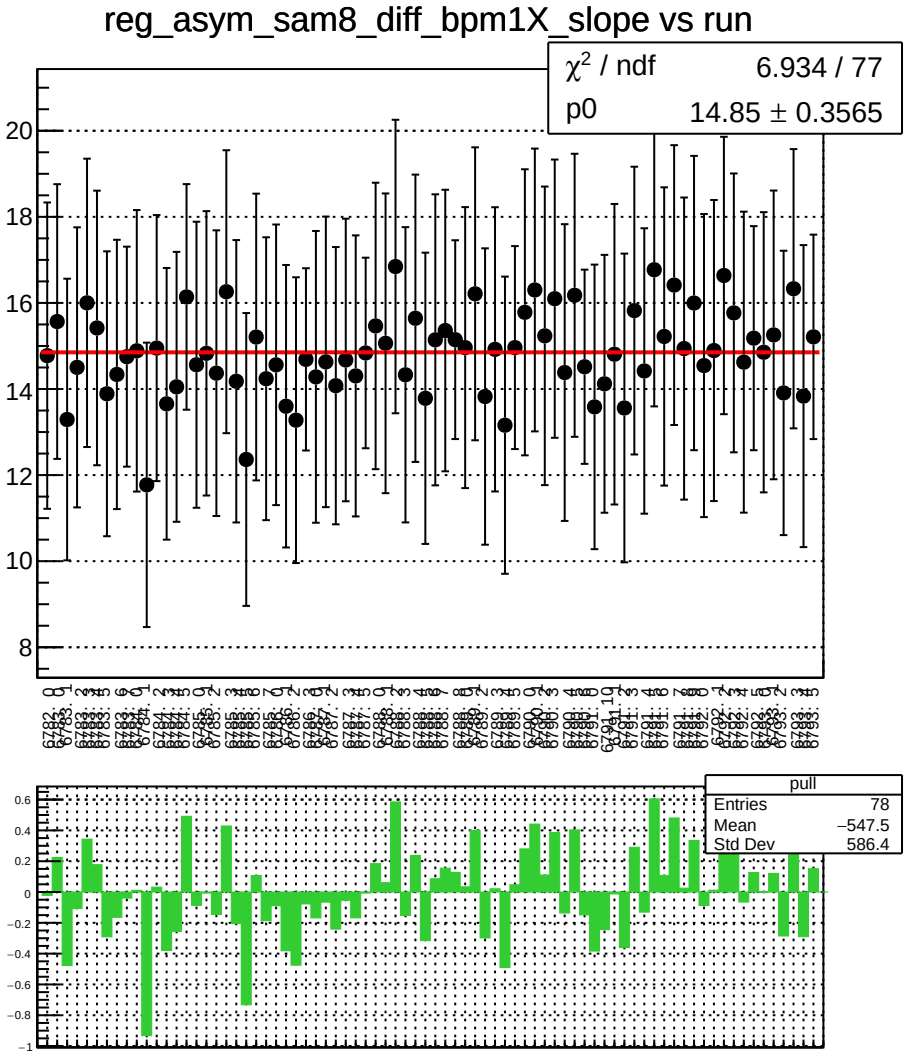

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 15.21 / 77
p0 −57.69 ± 0.413
pull
Entries 78
Mean 25.41
Std Dev 48.01

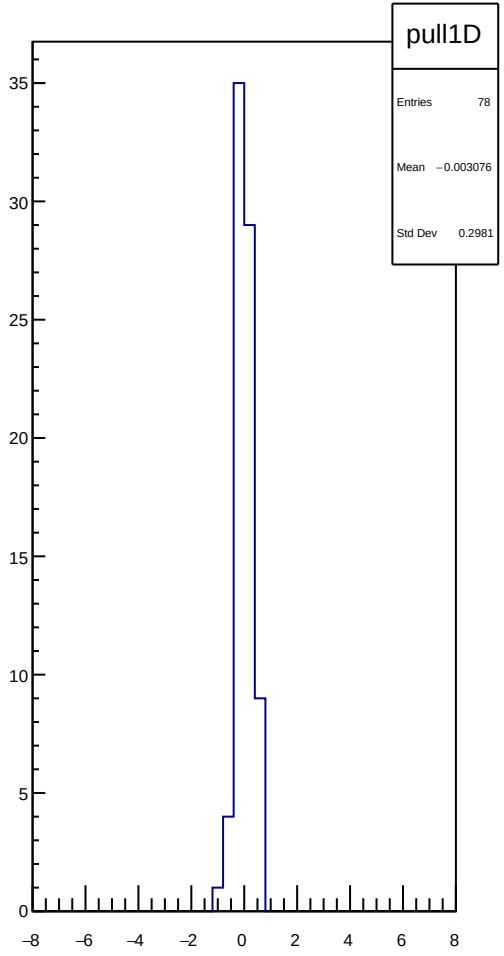

pull1D
Entries 78
Mean −0.01663
Std Dev 0.4413

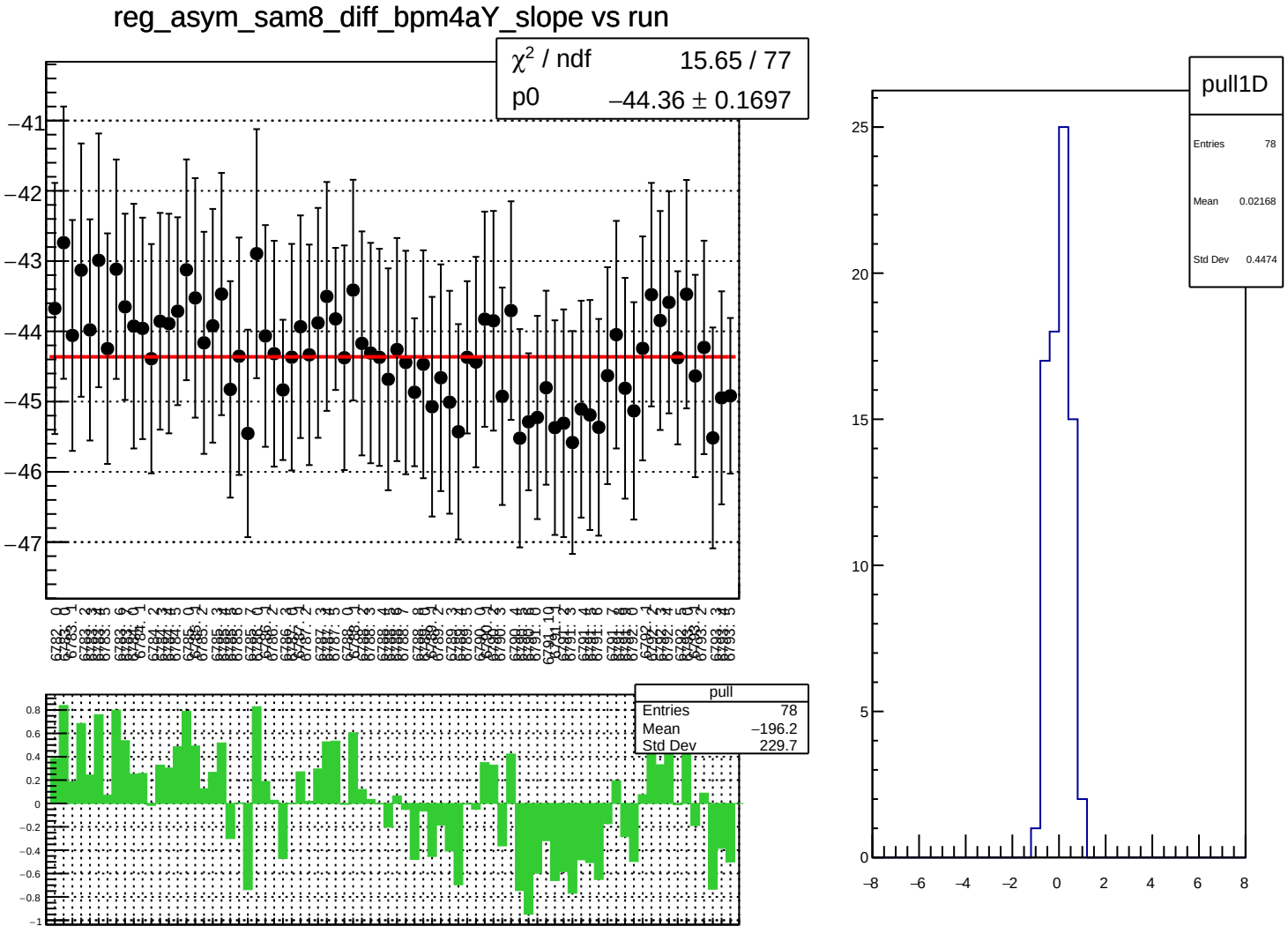

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 20.33 / 77
p0 −13.86 ± 0.289
pull
Entries 78
Mean 86.58
Std Dev 34.16
pull1D
Entries 78
Mean −0.01363
Std Dev 0.5104

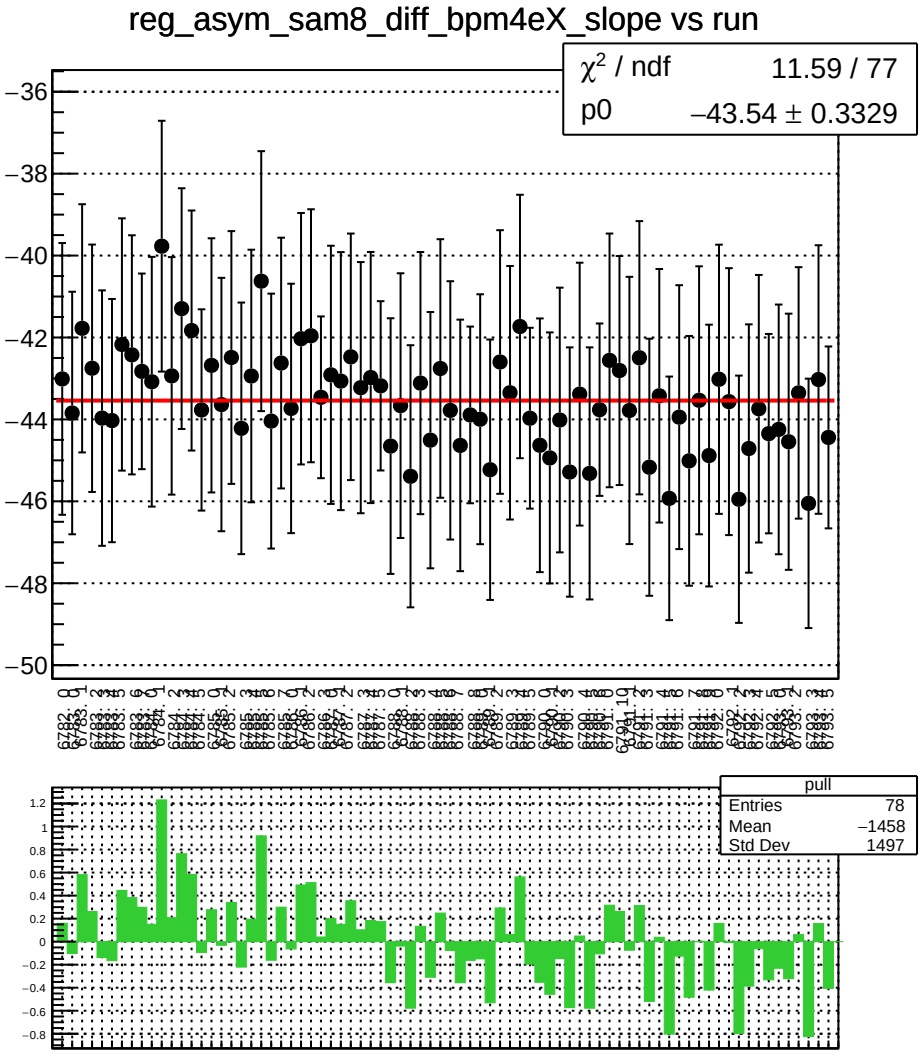

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 11.49 / 77
p0 0.4323 ± 0.01944
pull
Entries 78
Mean −358.3
Std Dev 397.5

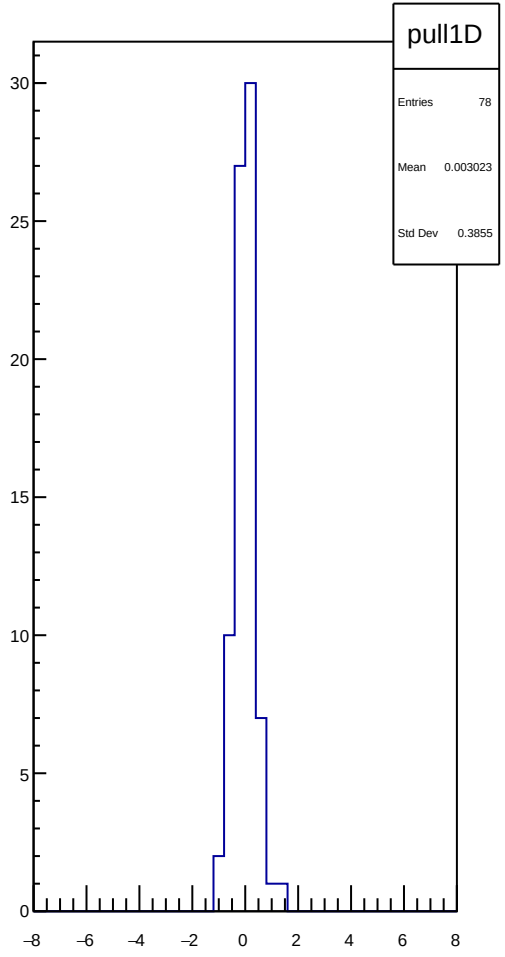

pull1D
Entries 78
Mean −0.003996
Std Dev 0.3838

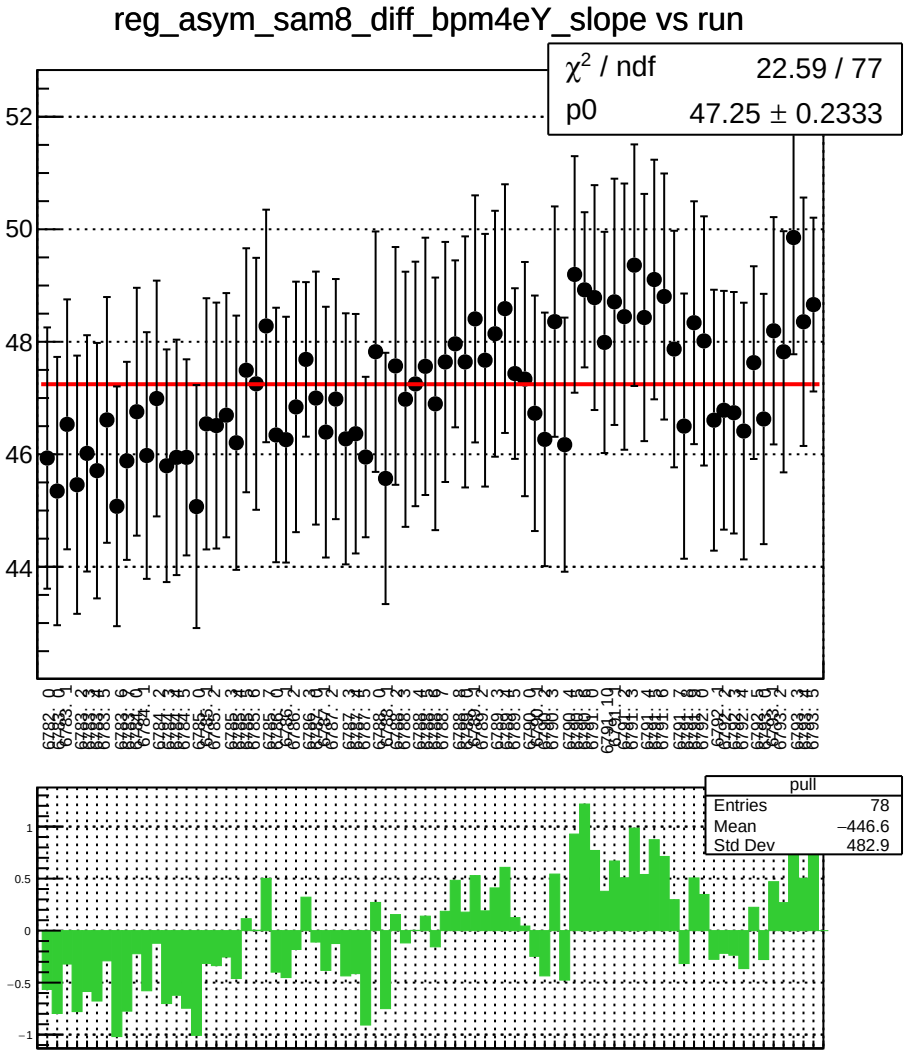

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 6.934 / 77
p0 14.85 ± 0.3565
pull
Entries 78
Mean −547.5
Std Dev 586.4

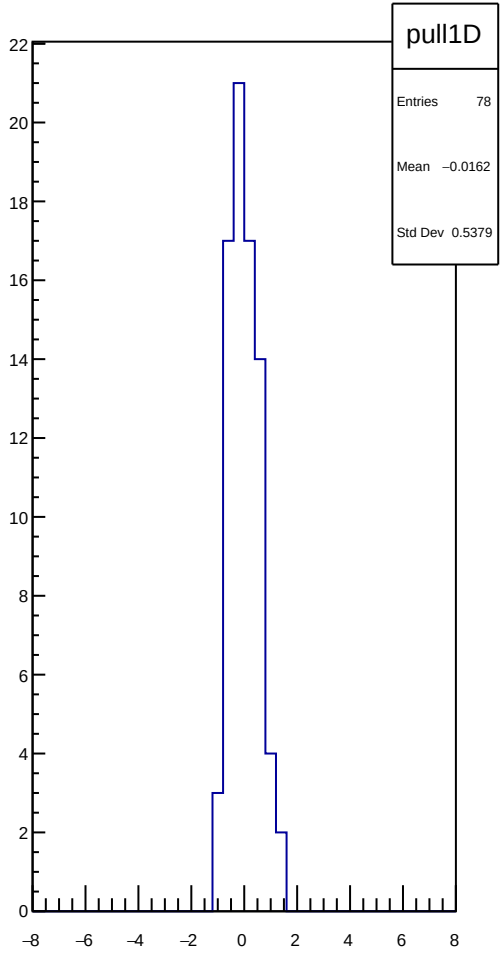

pull1D
Entries 78
Mean −0.003076
Std Dev 0.2981

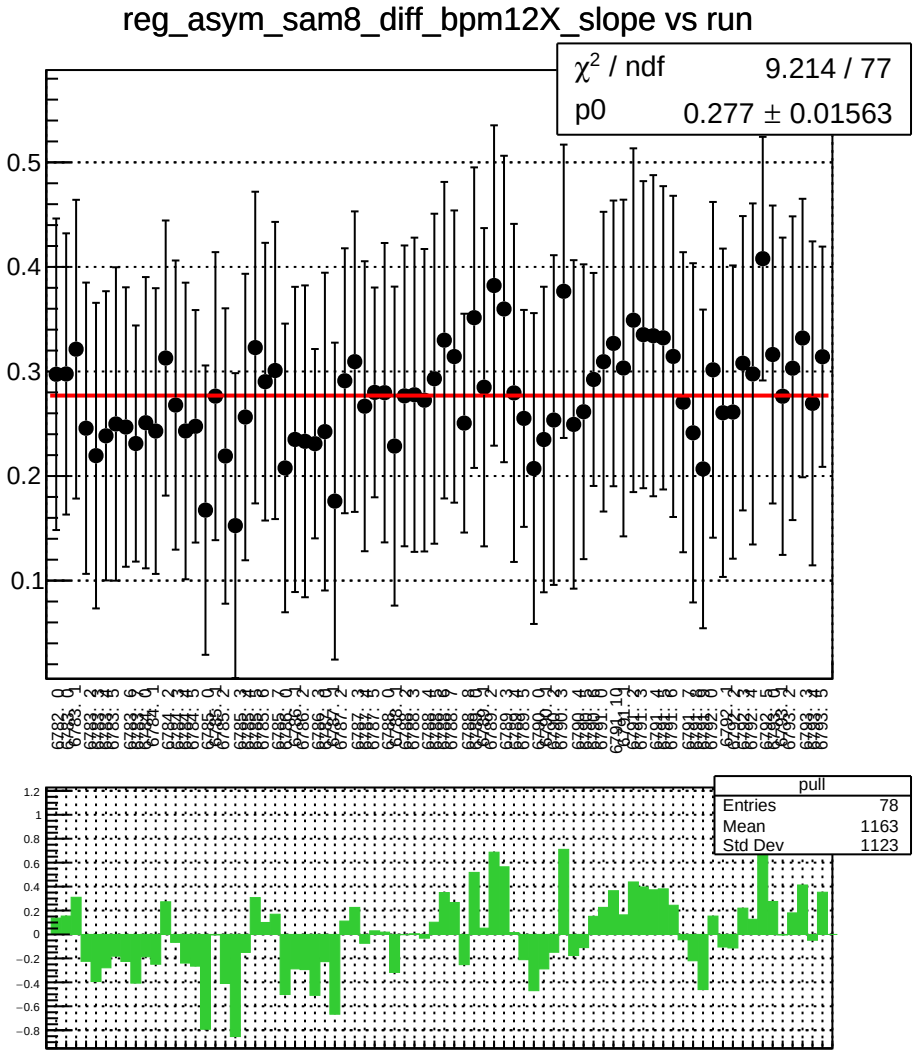

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 15.65 / 77
p0 −44.36 ± 0.1697
pull
Entries 78
Mean −196.2
Std Dev 229.7
pull1D
Entries 78
Mean 0.02168
Std Dev 0.4474

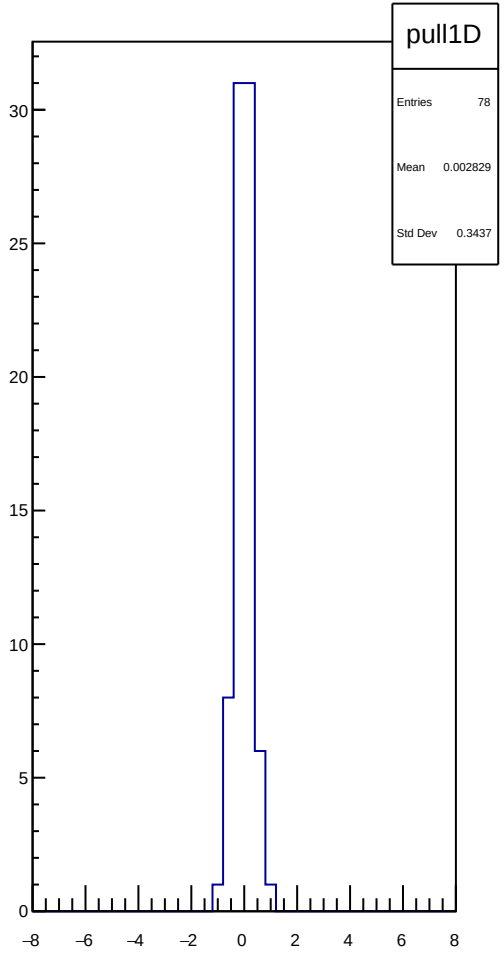

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 11.59 / 77
p0 −43.54 ± 0.3329
pull
Entries 78
Mean −1458
Std Dev 1497


pull1D
Entries 78
Mean 0.003023
Std Dev 0.3855

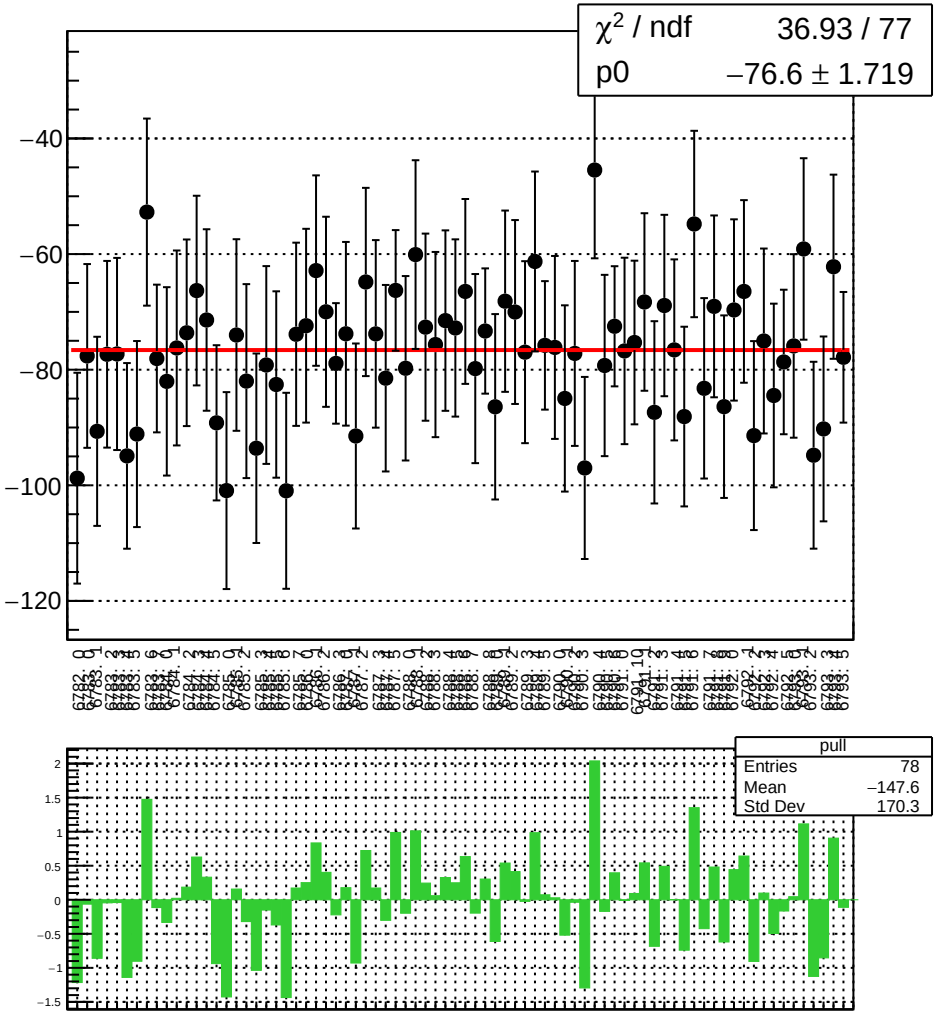

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 22.59 / 77
p0 47.25 ± 0.2333
pull
Entries 78
Mean −446.6
Std Dev 482.9

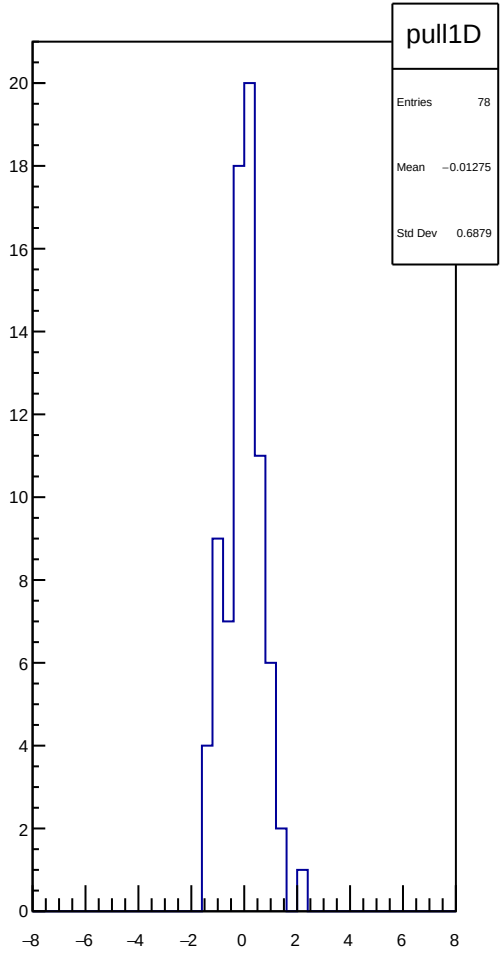

pull1D
Entries 78
Mean −0.0162
Std Dev 0.5379

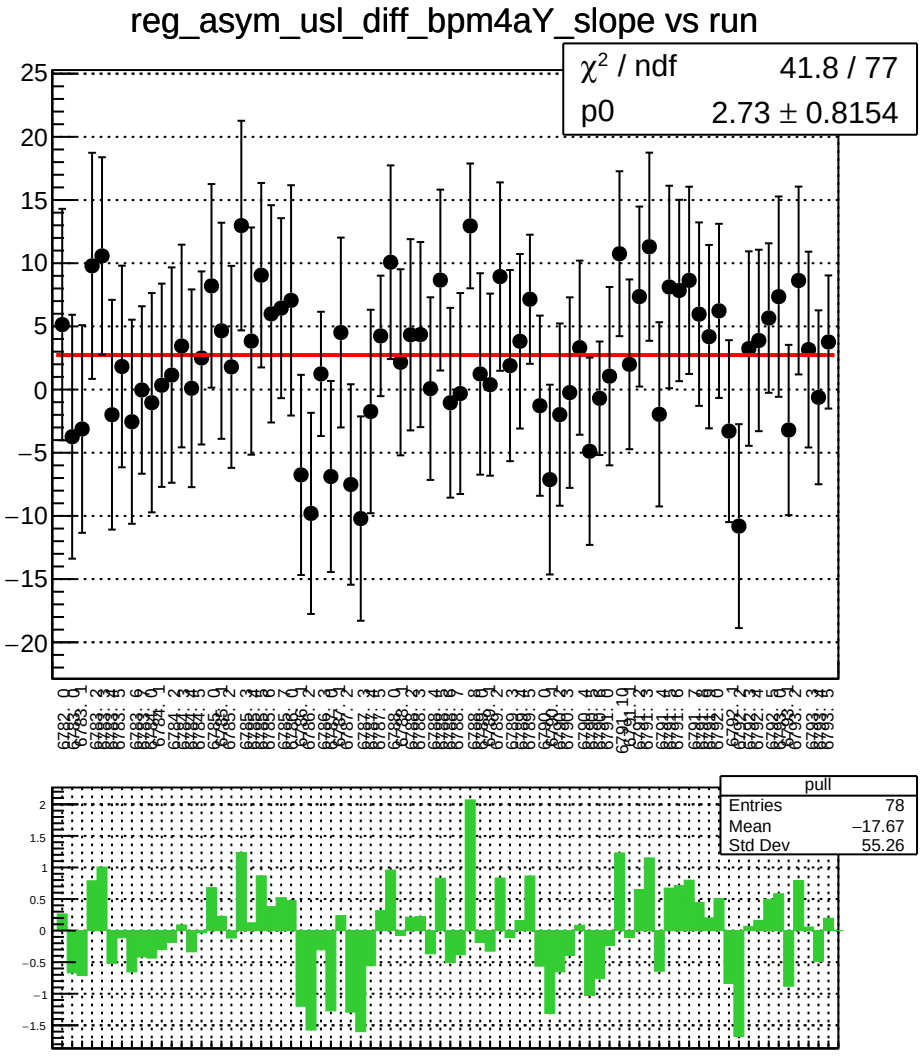

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 9.214 / 77
p0 0.277 ± 0.01563
pull
Entries 78
Mean 1163
Std Dev 1123

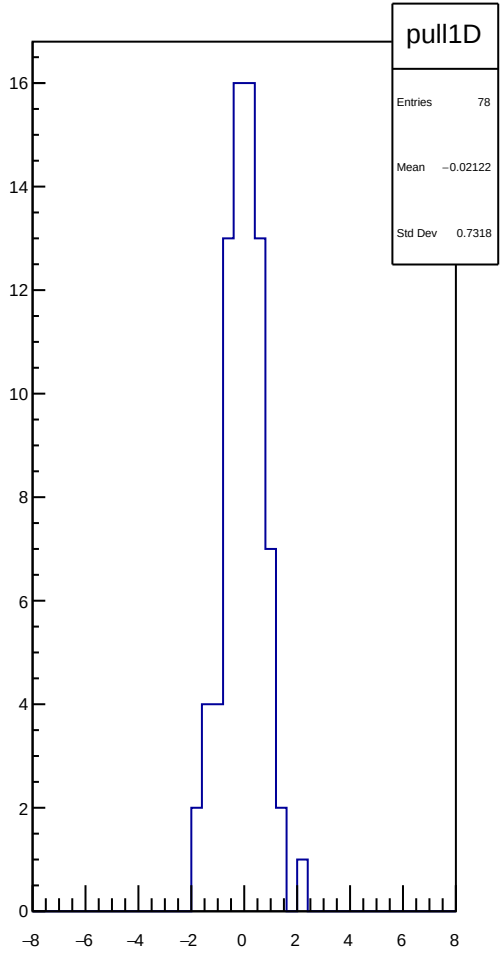

pull1D
Entries 78
Mean 0.002829
Std Dev 0.3437

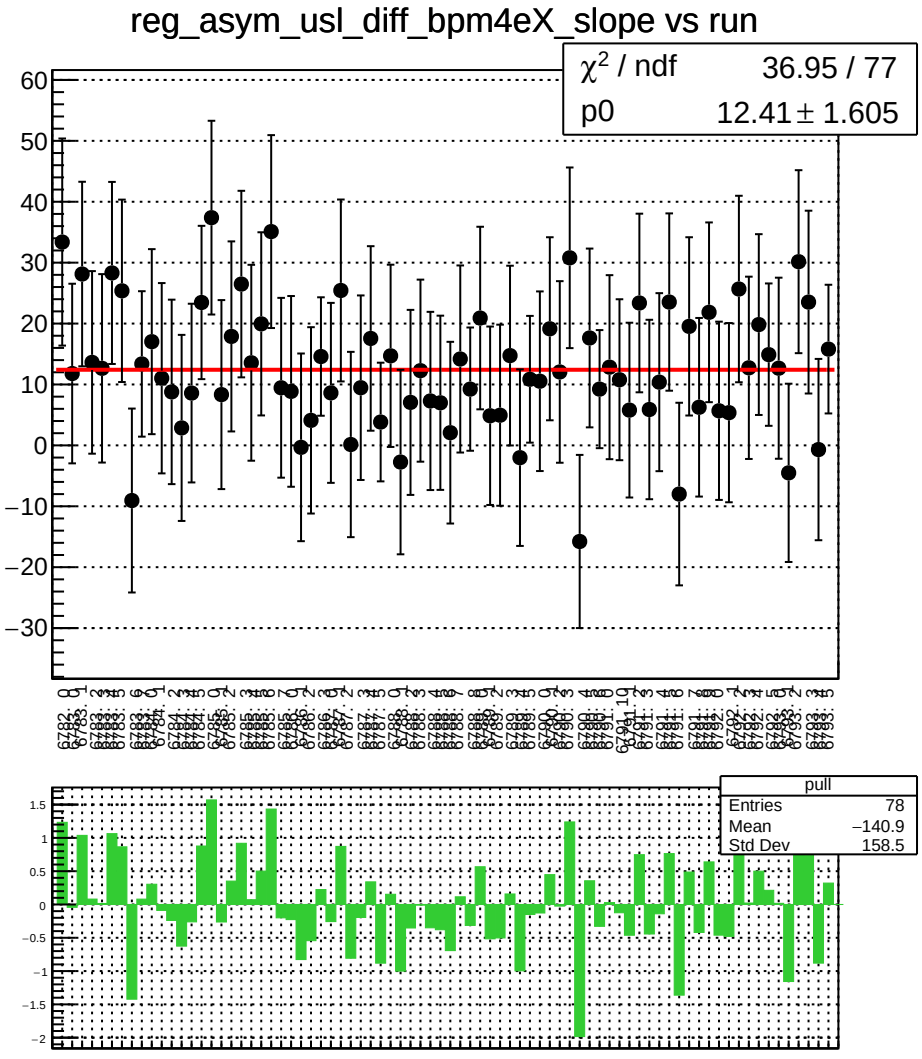
reg_asym_usl_diff_bpm1X_slope vs run

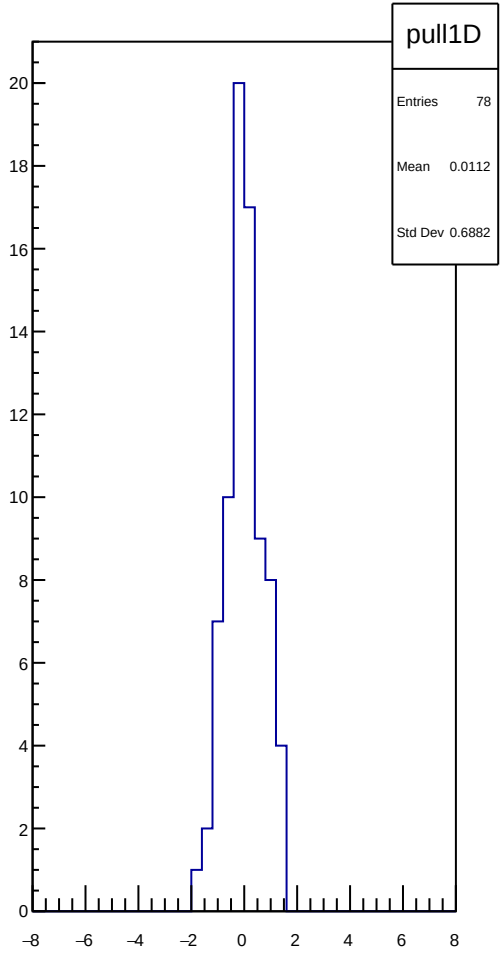


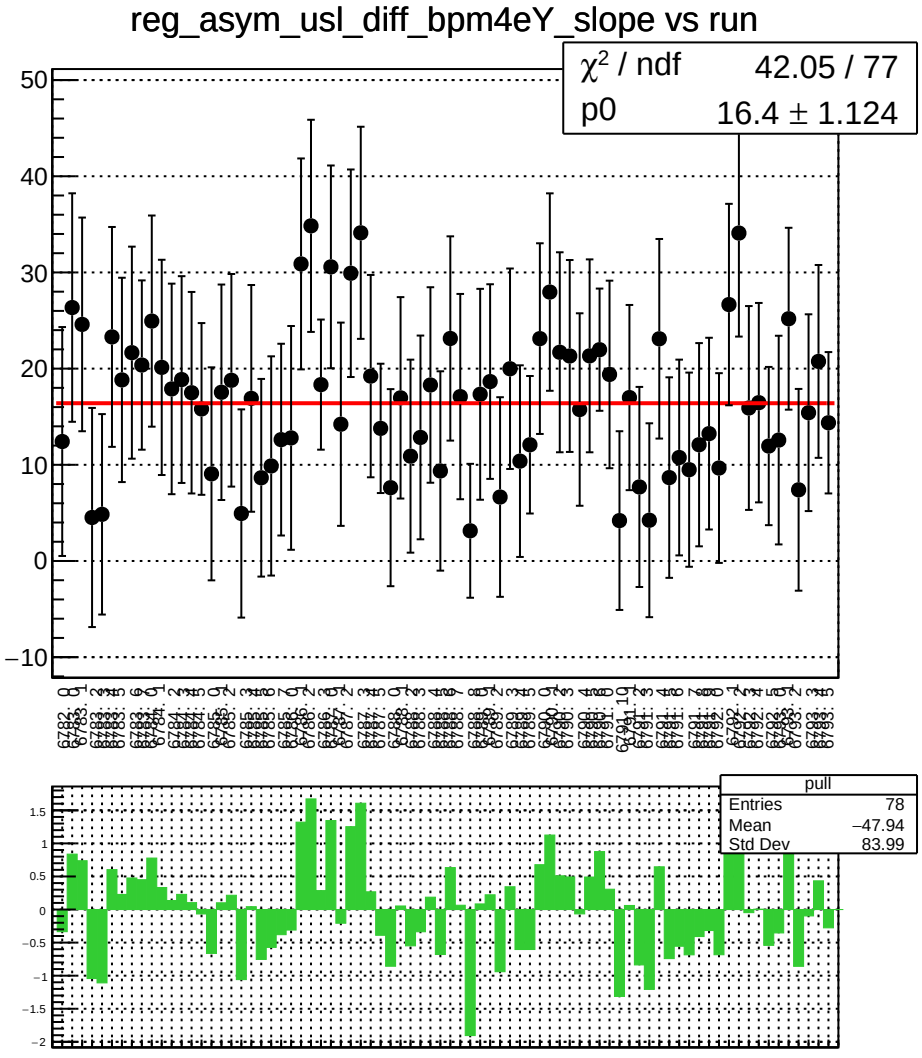


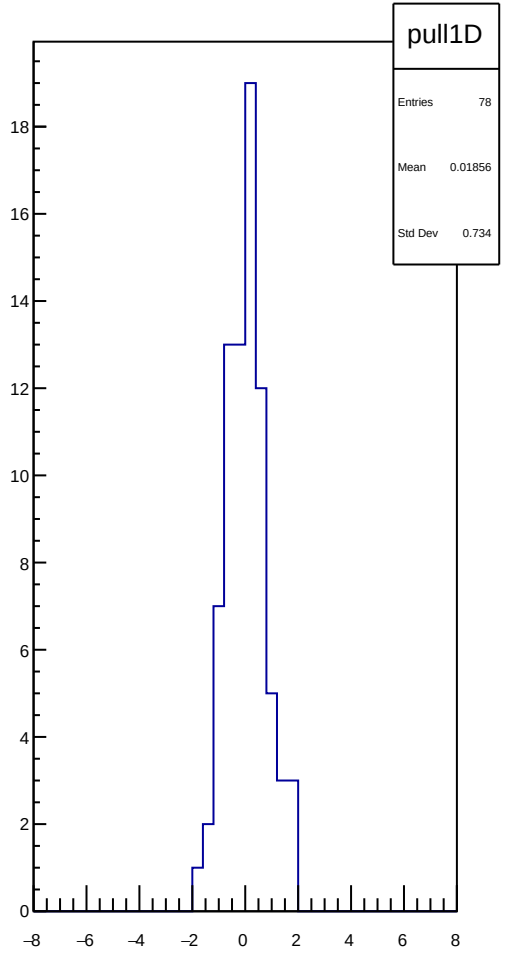

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 77
p0 2.73 ± 0.8154
pull
Entries 78
Mean −17.67
Std Dev 55.26


pull1D
Entries 78
Mean −0.02122
Std Dev 0.7318

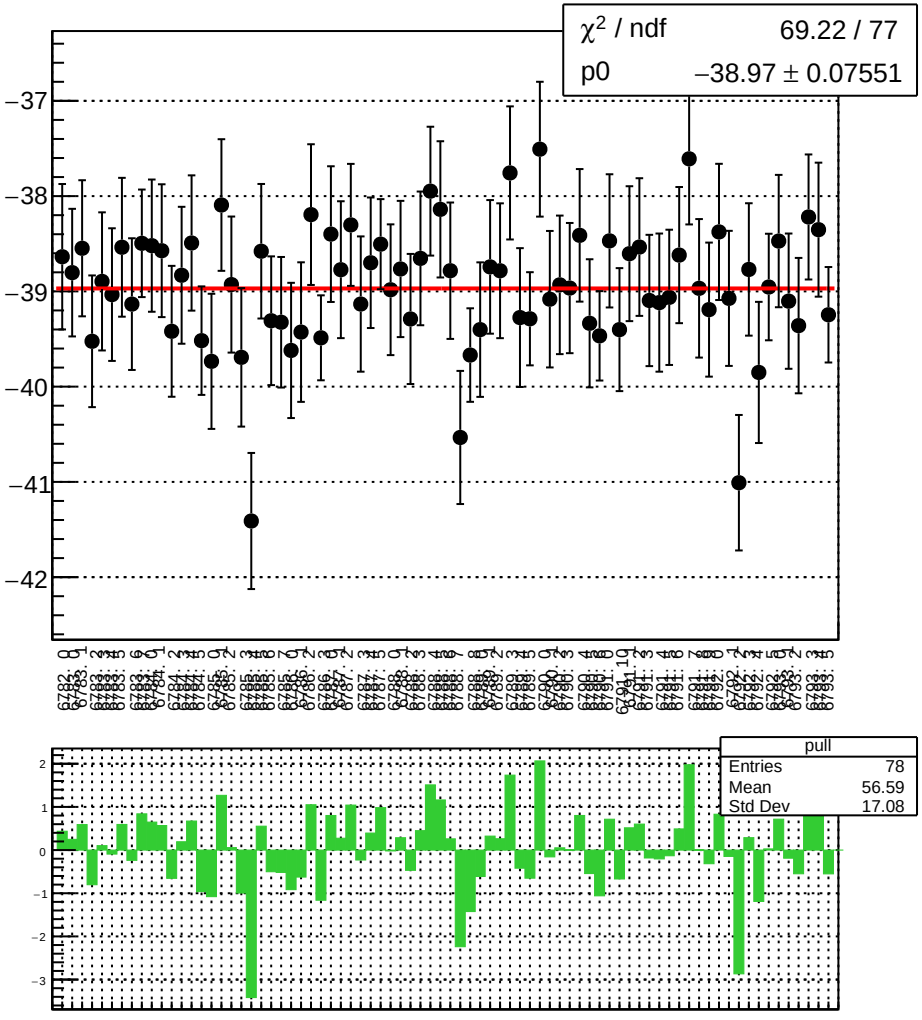

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 36.95 / 77
p0 12.41 ± 1.605
pull
Entries 78
Mean −140.9
Std Dev 158.5

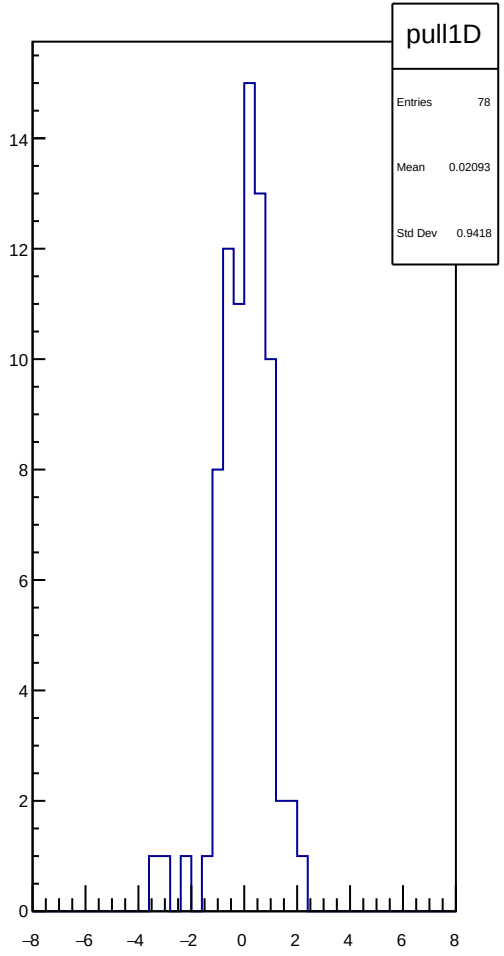

pull1D
Entries 78
Mean 0.0112
Std Dev 0.6882

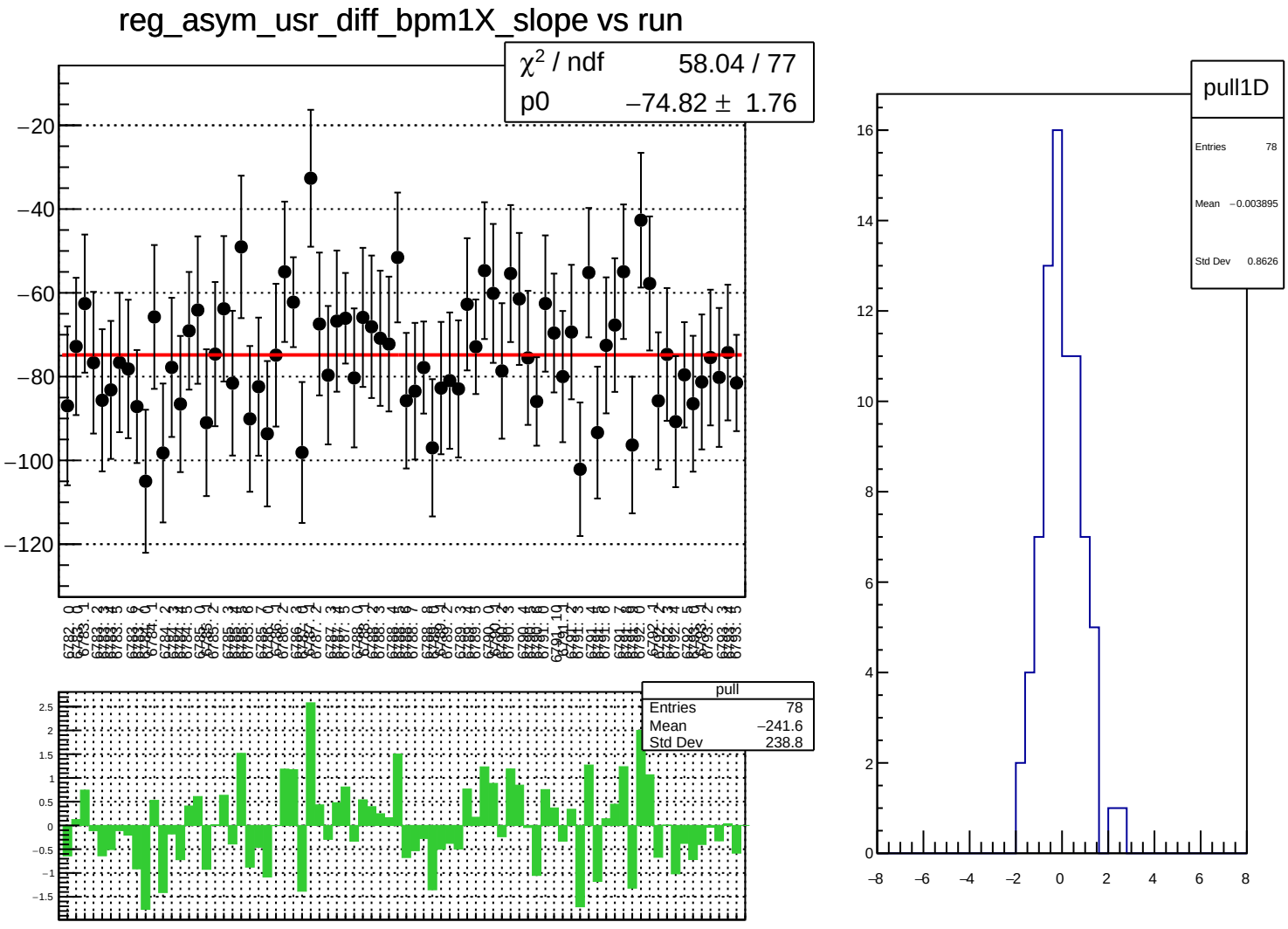

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 42.05 / 77
p0 16.4 ± 1.124
pull
Entries 78
Mean −47.94
Std Dev 83.99

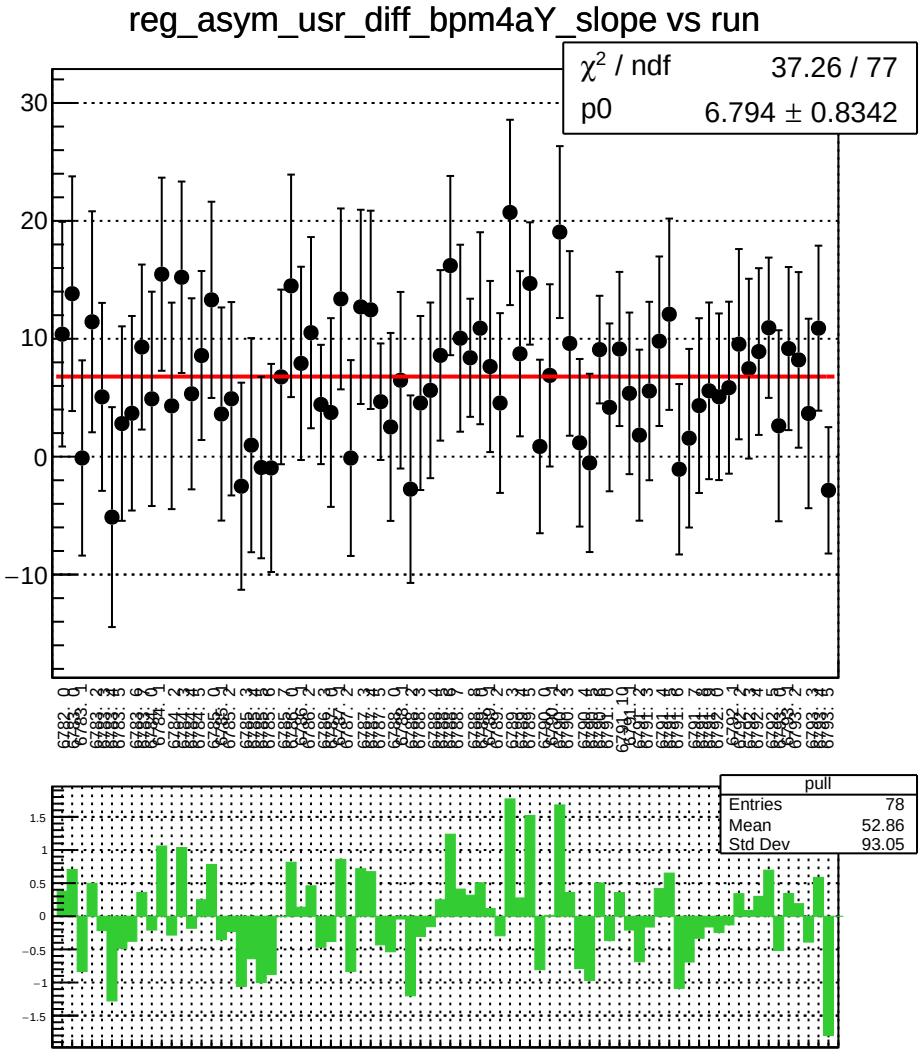

pull1D
Entries 78
Mean 0.01856
Std Dev 0.734

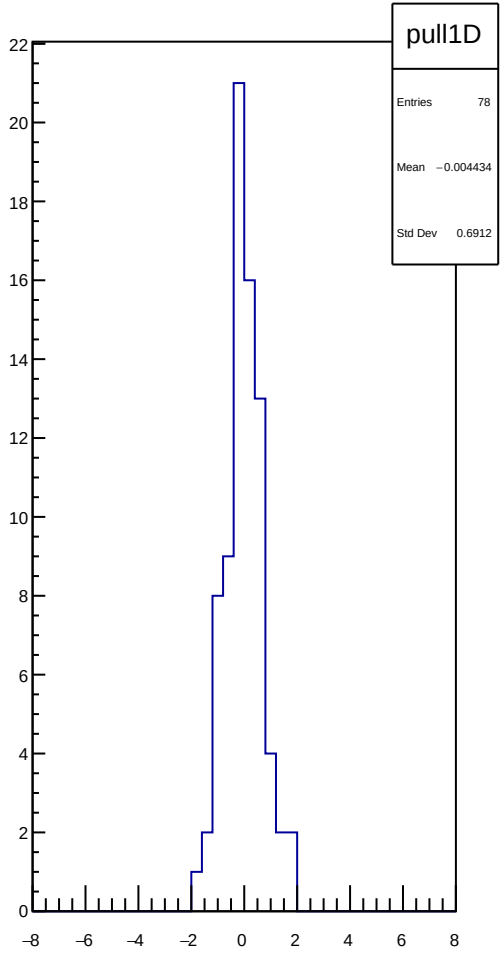
reg_asym_usl_diff_bpm12X_slope vs run

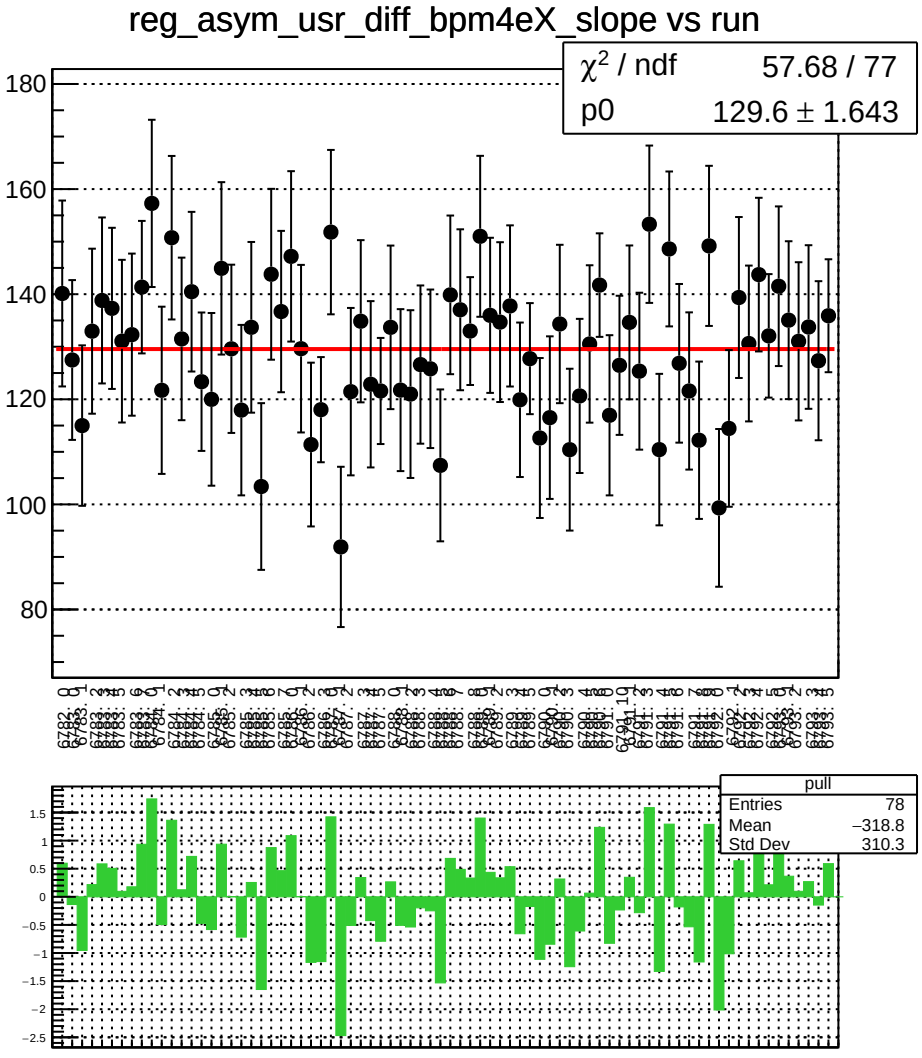


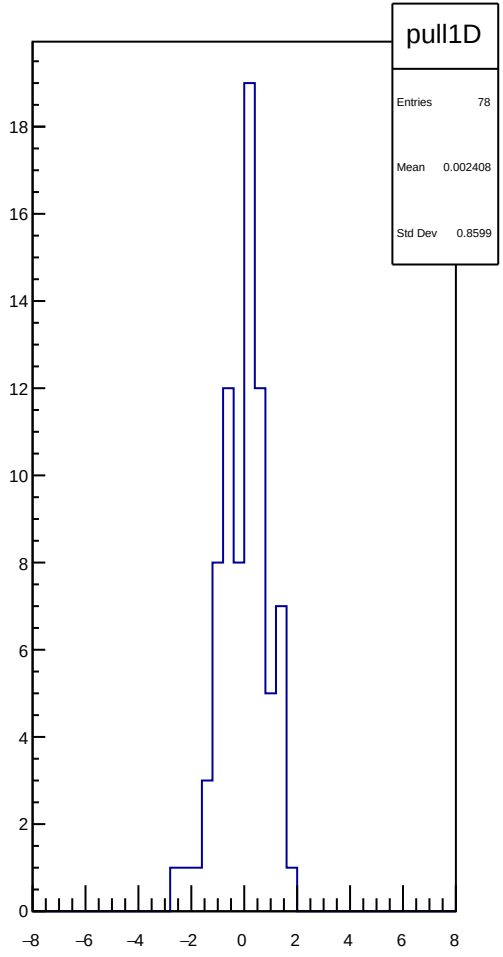


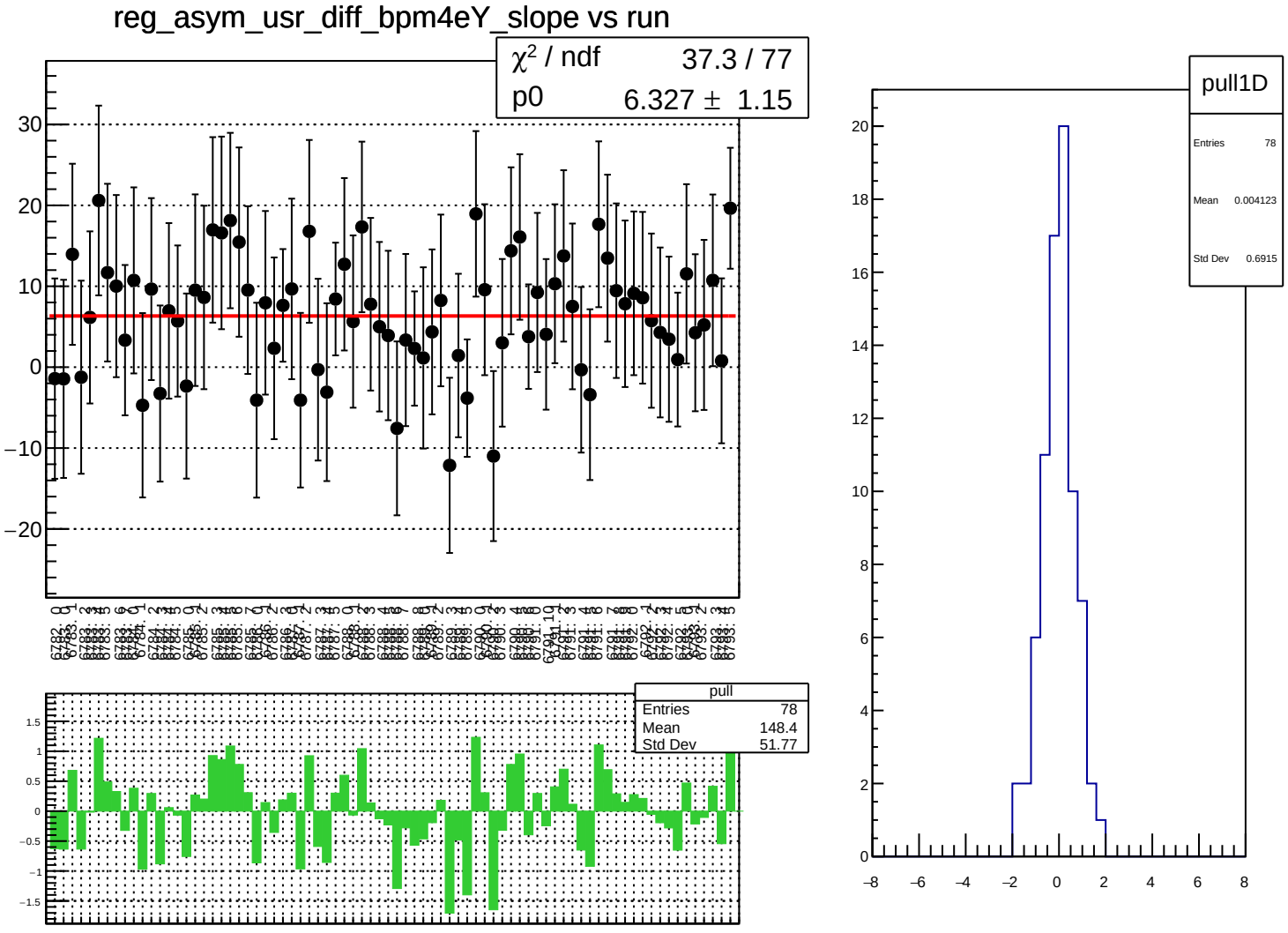

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 58.04 / 77
p0 −74.82 ± 1.76
pull
Entries 78
Mean −241.6
Std Dev 238.8
pull1D
Entries 78
Mean −0.003895
Std Dev 0.8626

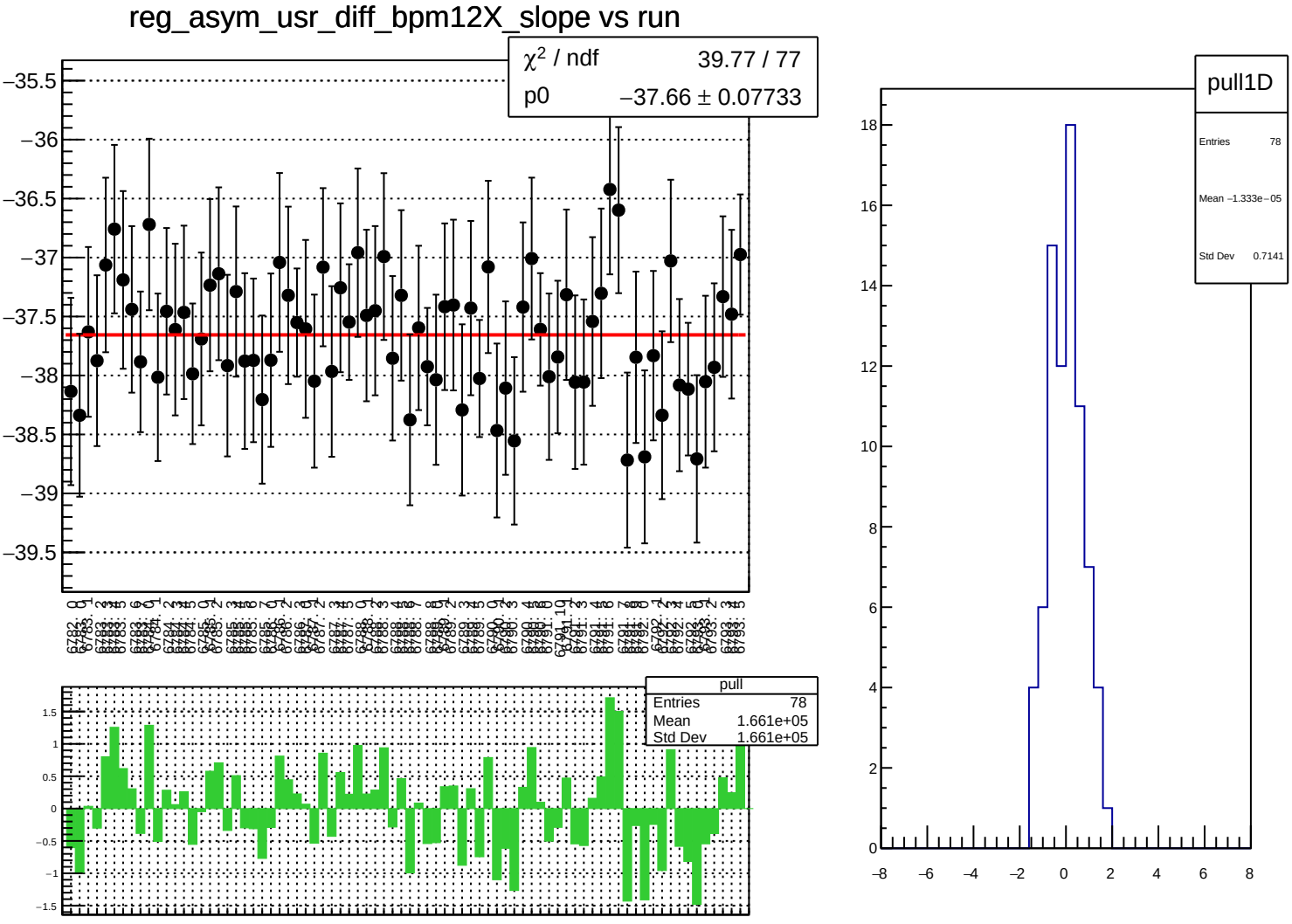

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 37.26 / 77
p0 6.794 ± 0.8342
pull
Entries 78
Mean 52.86
Std Dev 93.05


pull1D
Entries 78
Mean −0.004434
Std Dev 0.6912

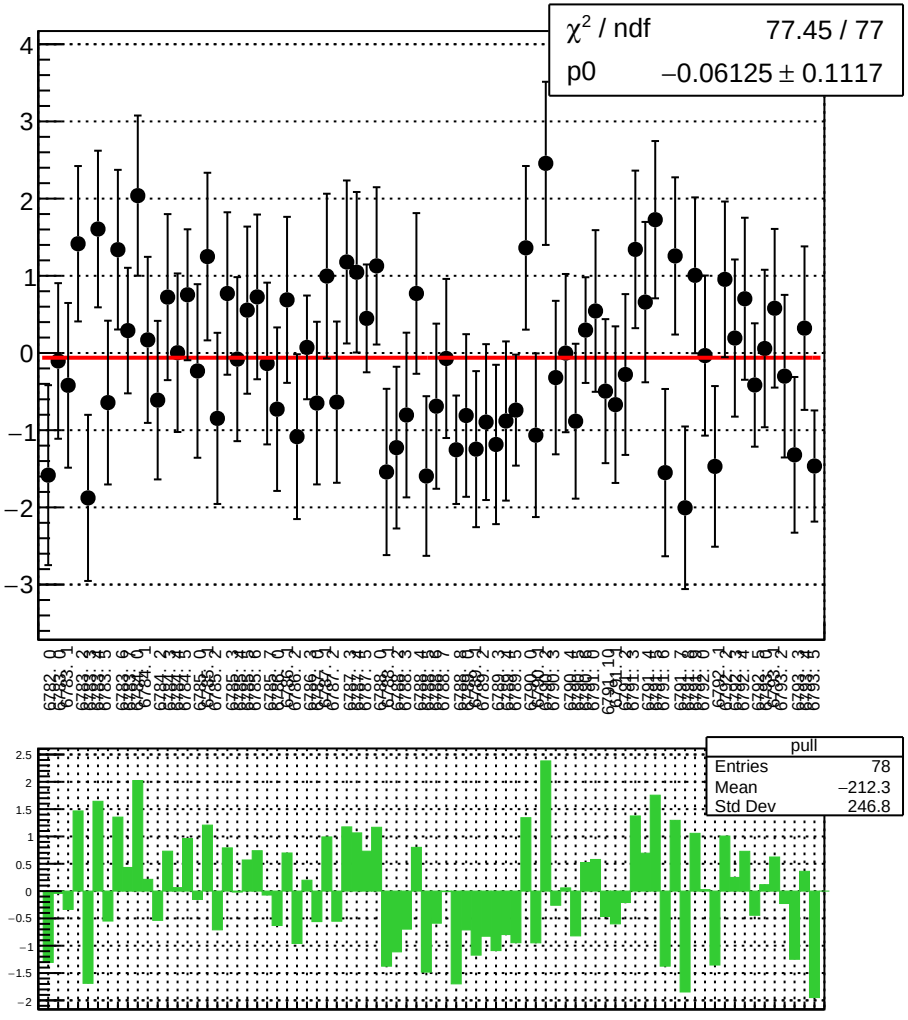

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 57.68 / 77
p0 129.6 ± 1.643
pull
Entries 78
Mean −318.8
Std Dev 310.3

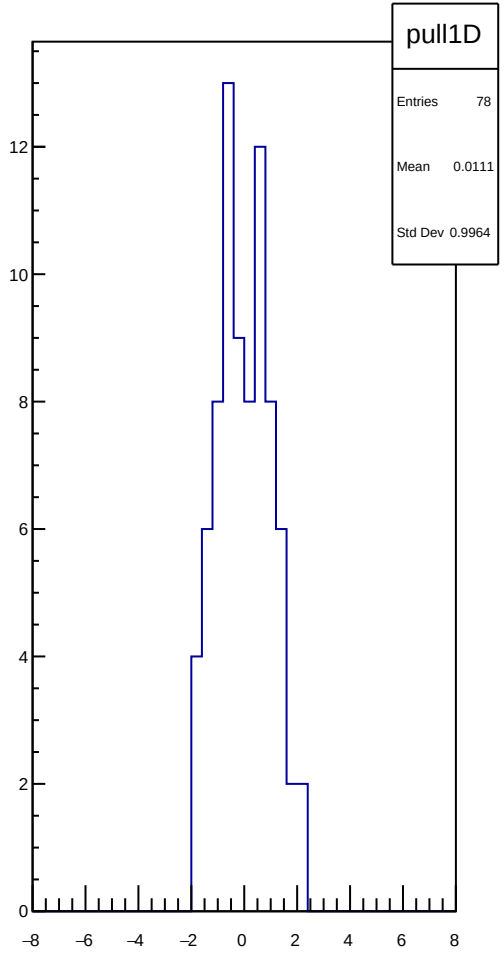

pull1D
Entries 78
Mean 0.002408
Std Dev 0.8599

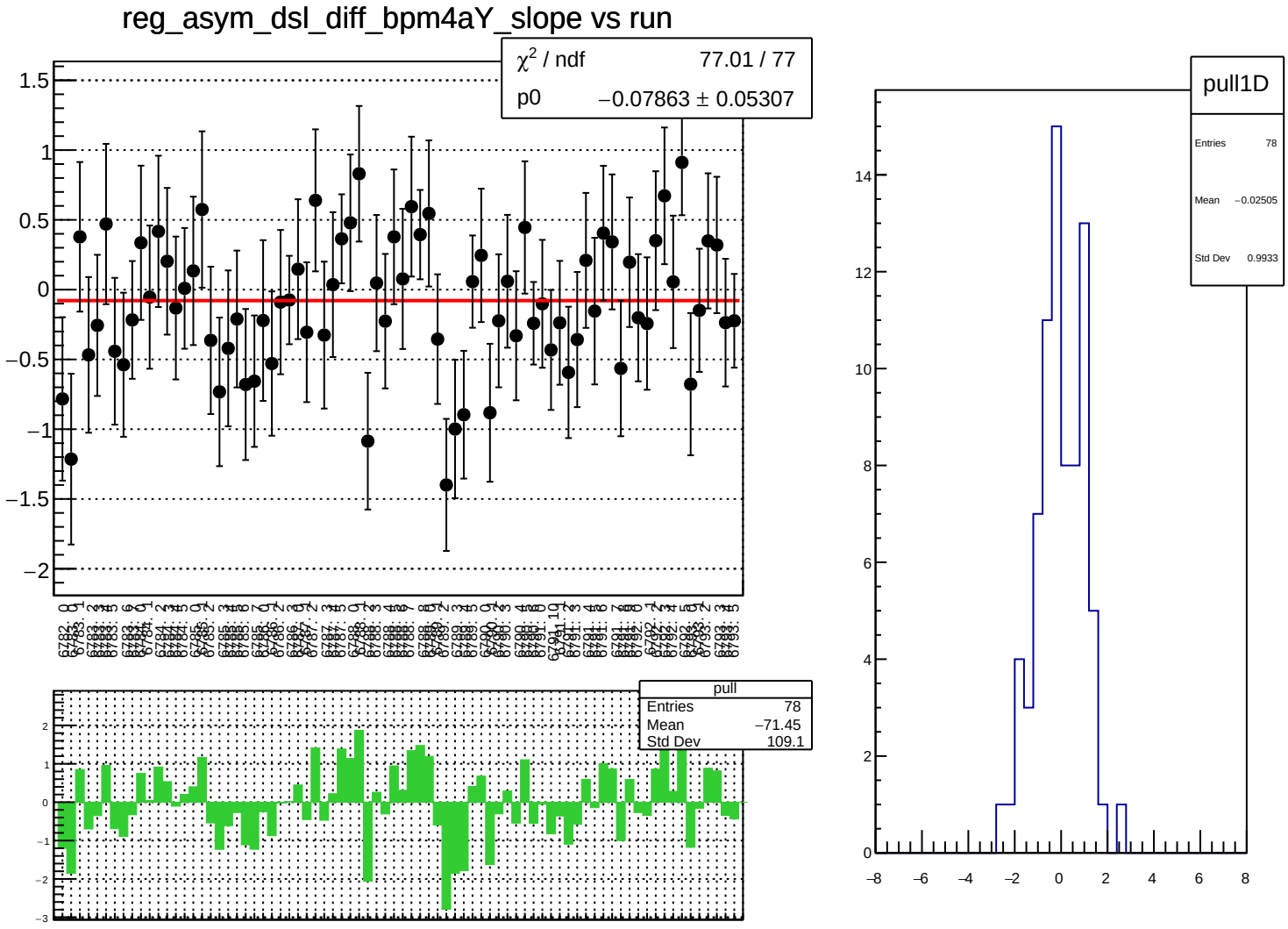

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 37.3 / 77
p0 6.327 ± 1.15
pull
Entries 78
Mean 148.4
Std Dev 51.77
pull1D
Entries 78
Mean 0.004123
Std Dev 0.6915


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 39.77 / 77
p0 −37.66 ± 0.07733
pull
Entries 78
Mean 1.661e+05
Std Dev 1.661e+05
pull1D
Entries 78
Mean −1.333e−05
Std Dev 0.7141

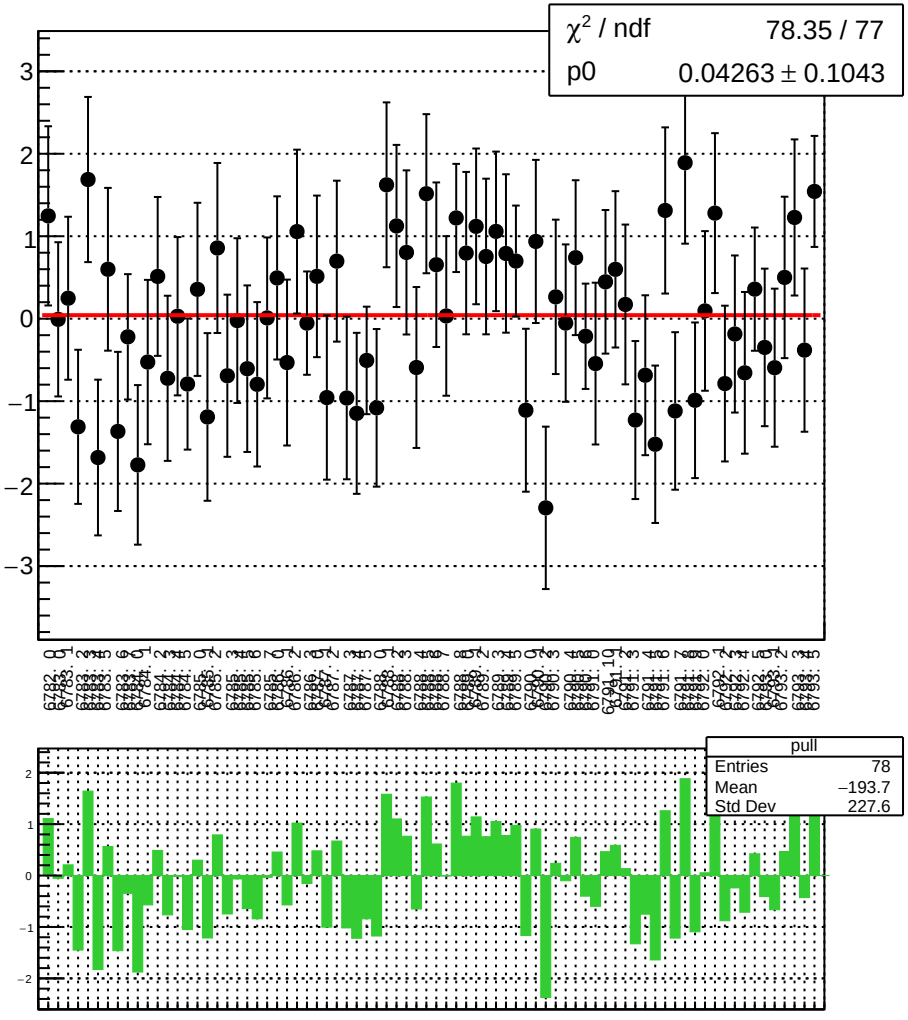
reg_asym_dsl_diff_bpm1X_slope vs run

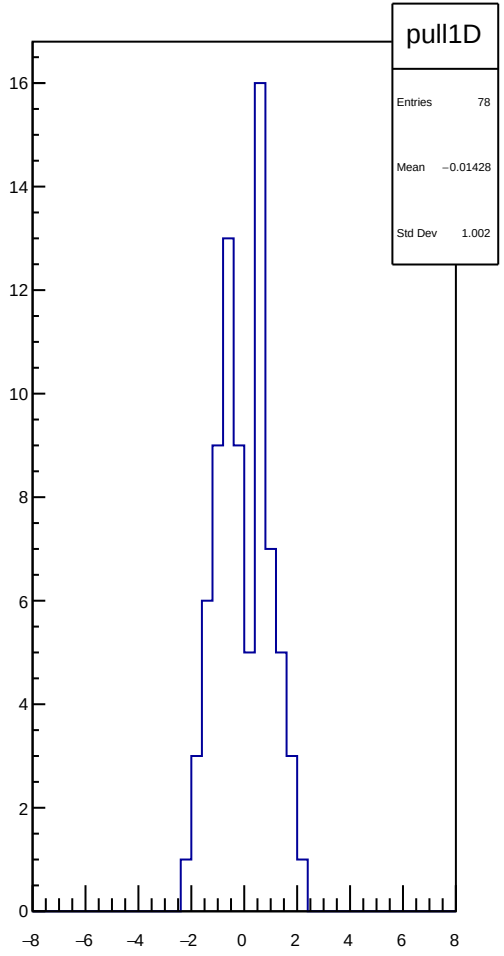


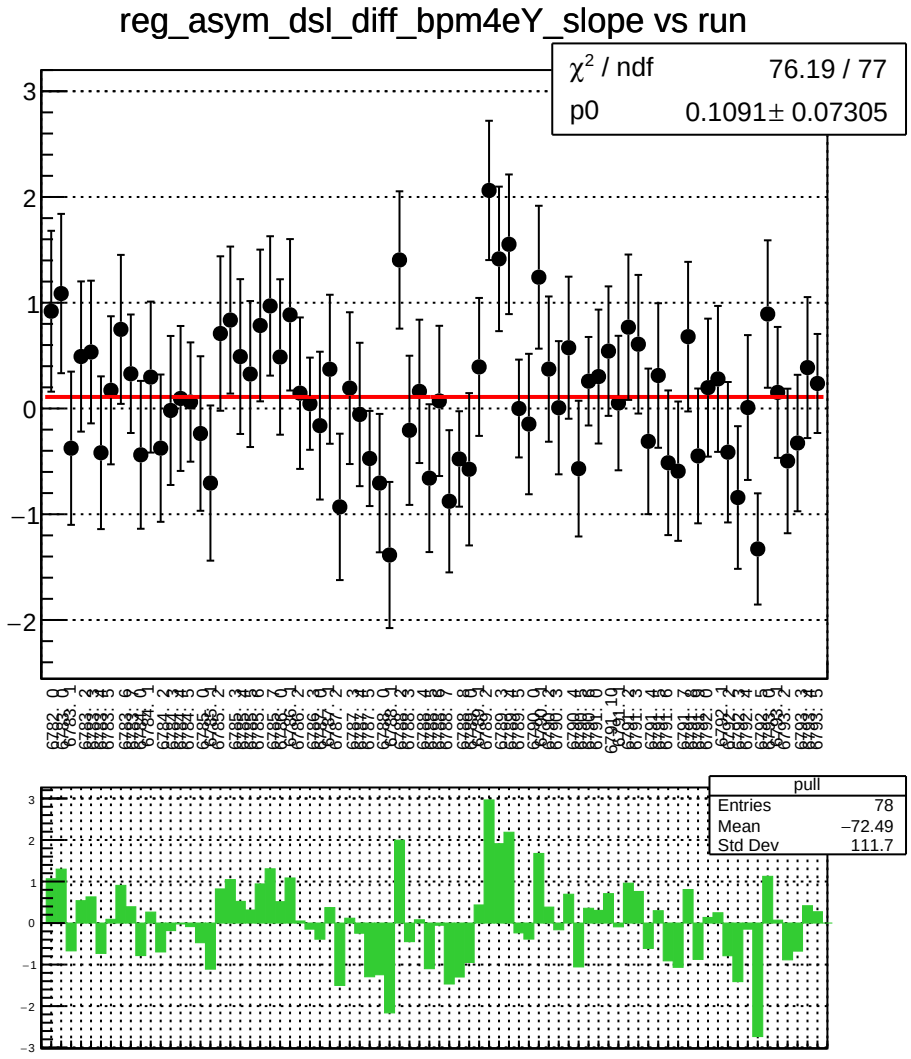


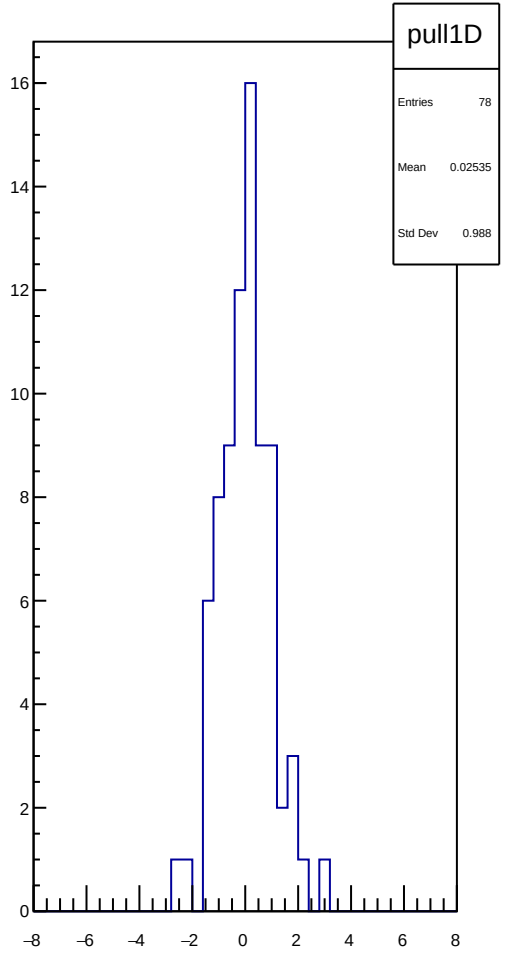

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 77
p0 −0.07863 ± 0.05307
pull
Entries 78
Mean −71.45
Std Dev 109.1
pull1D
Entries 78
Mean −0.02505
Std Dev 0.9933

reg_asym_dsl_diff_bpm4eX_slope vs run

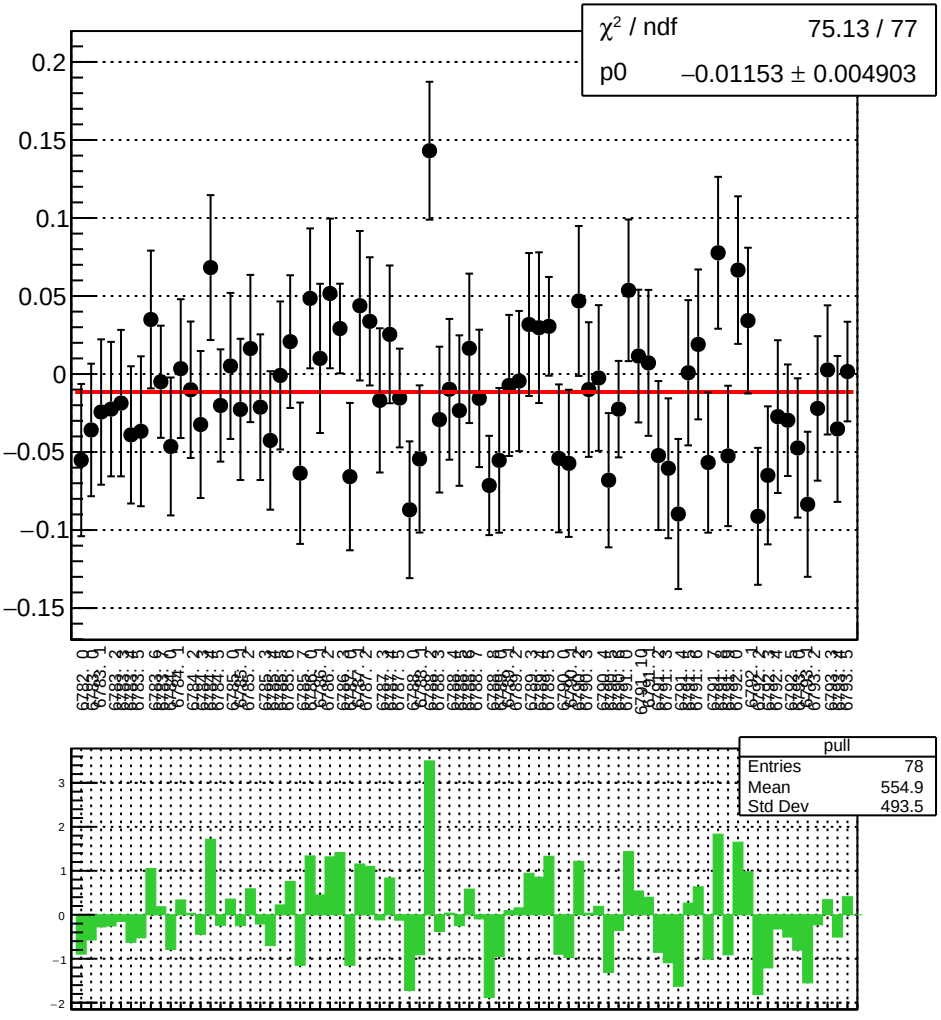


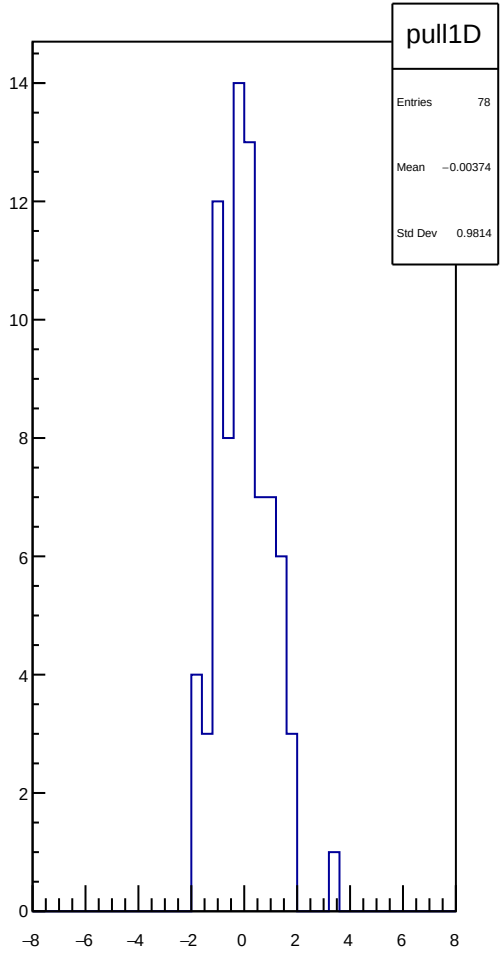



reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 76.19 / 77
p0 0.1091± 0.07305
pull
Entries 78
Mean −72.49
Std Dev 111.7

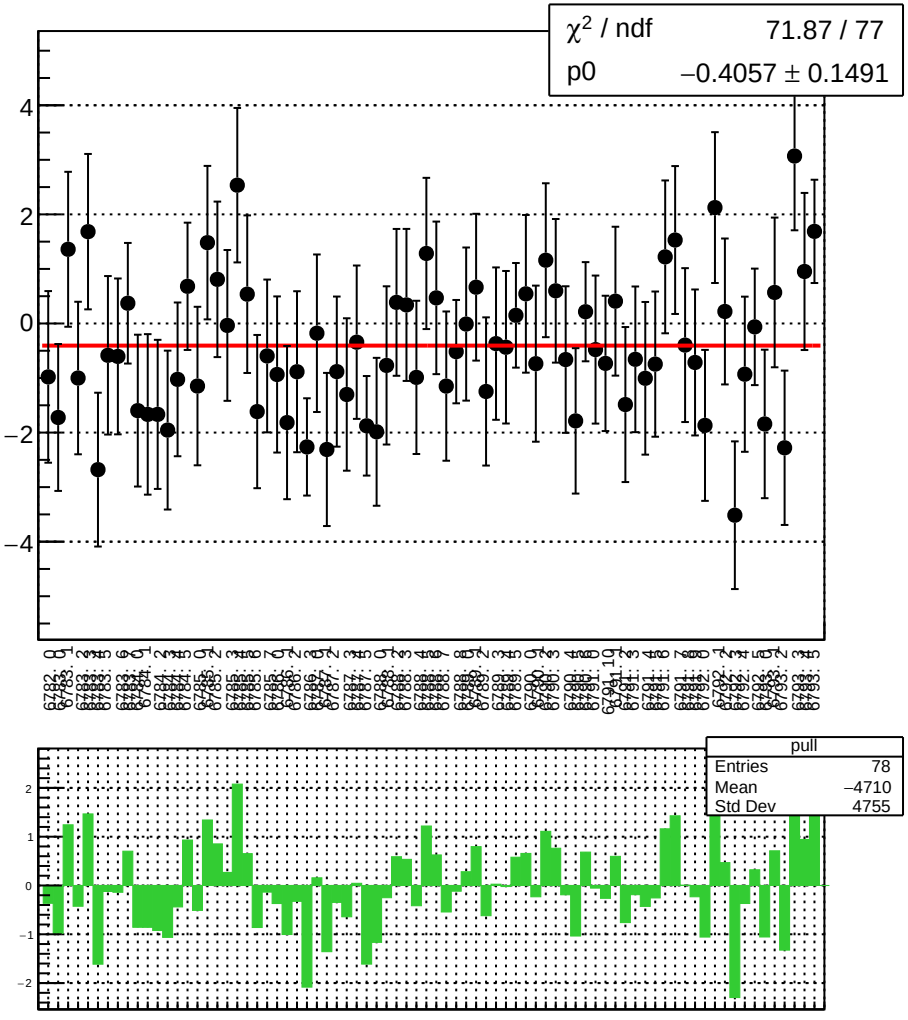

pull1D
Entries 78
Mean 0.02535
Std Dev 0.988

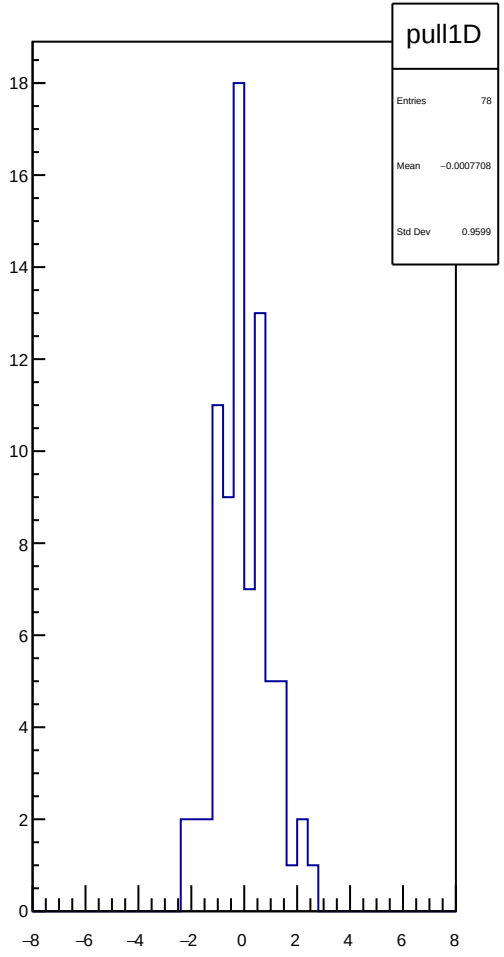
reg_asym_dsl_diff_bpm12X_slope vs run



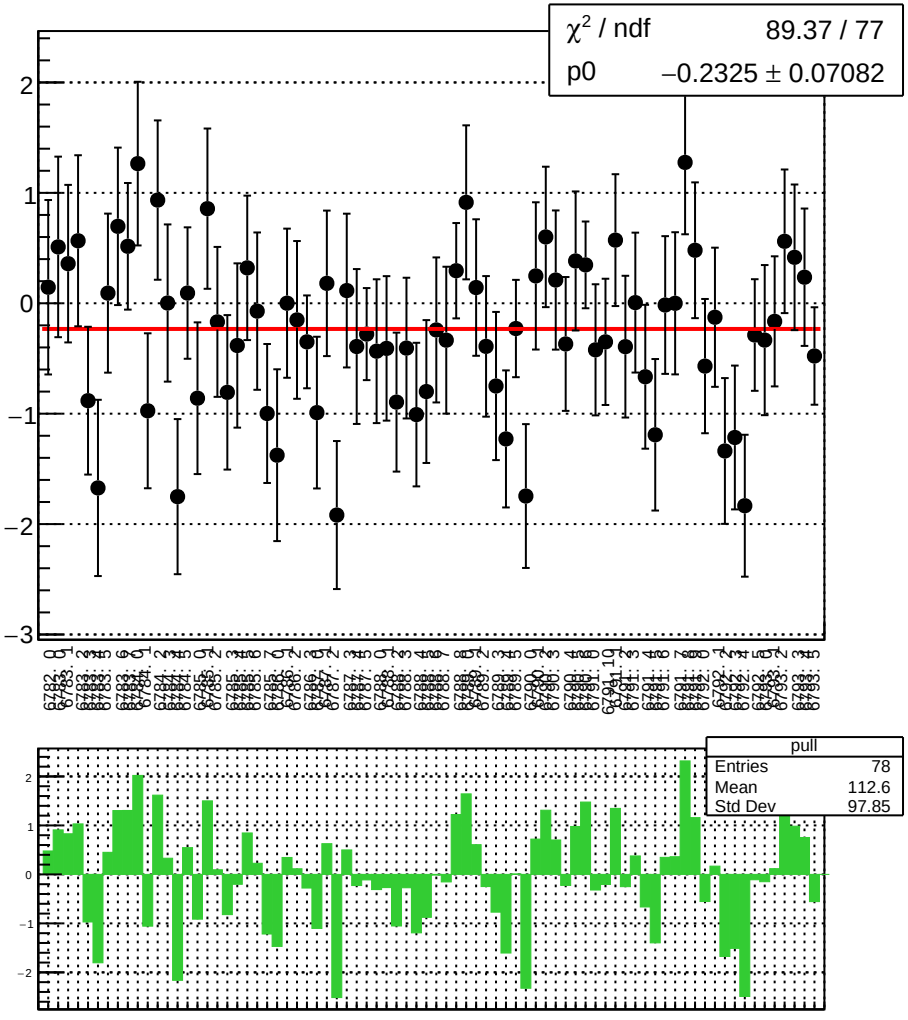


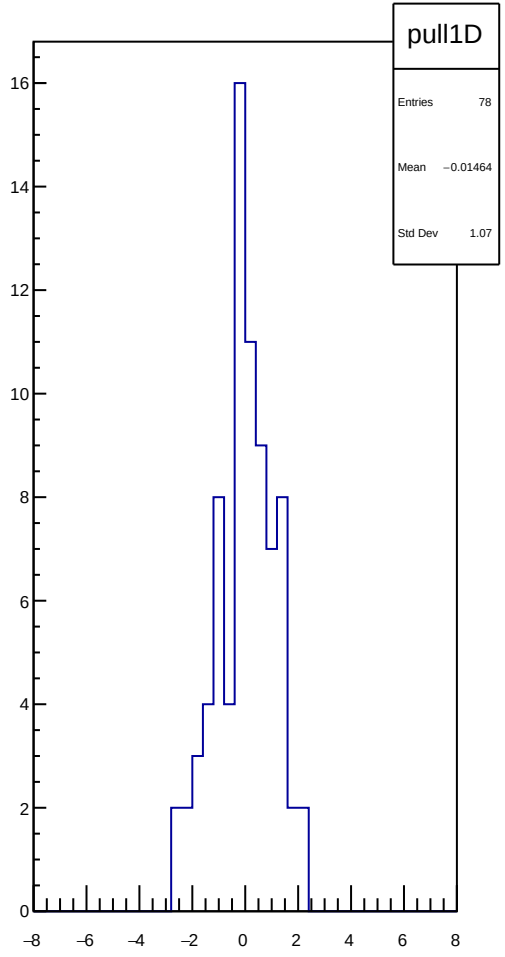
reg_asym_dsr_diff_bpm1X_slope vs run



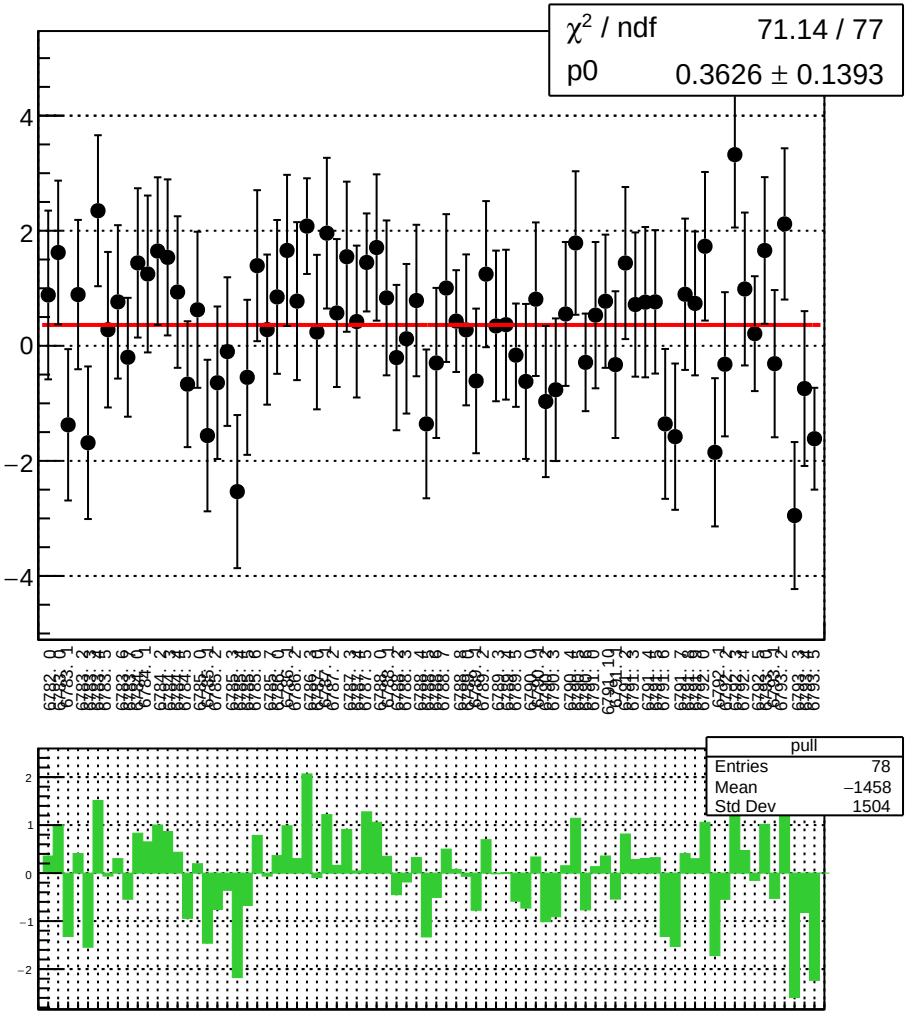


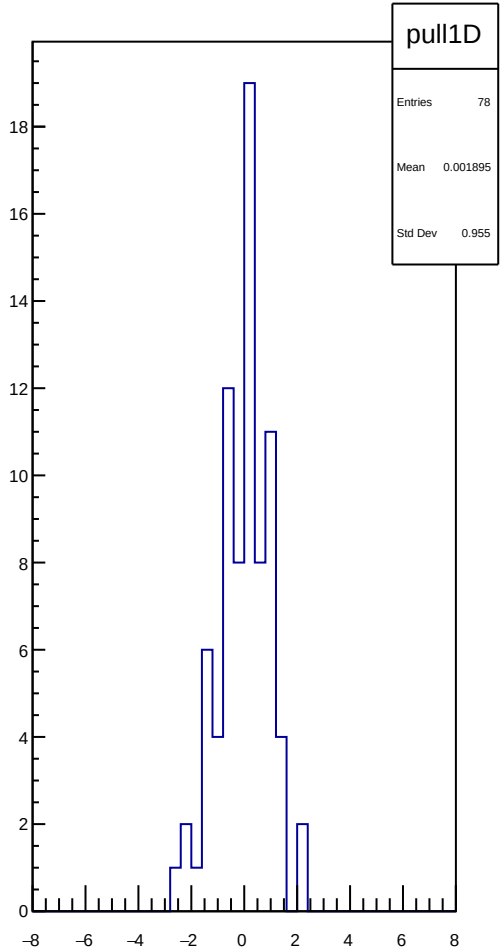
reg_asym_dsr_diff_bpm4aY_slope vs run



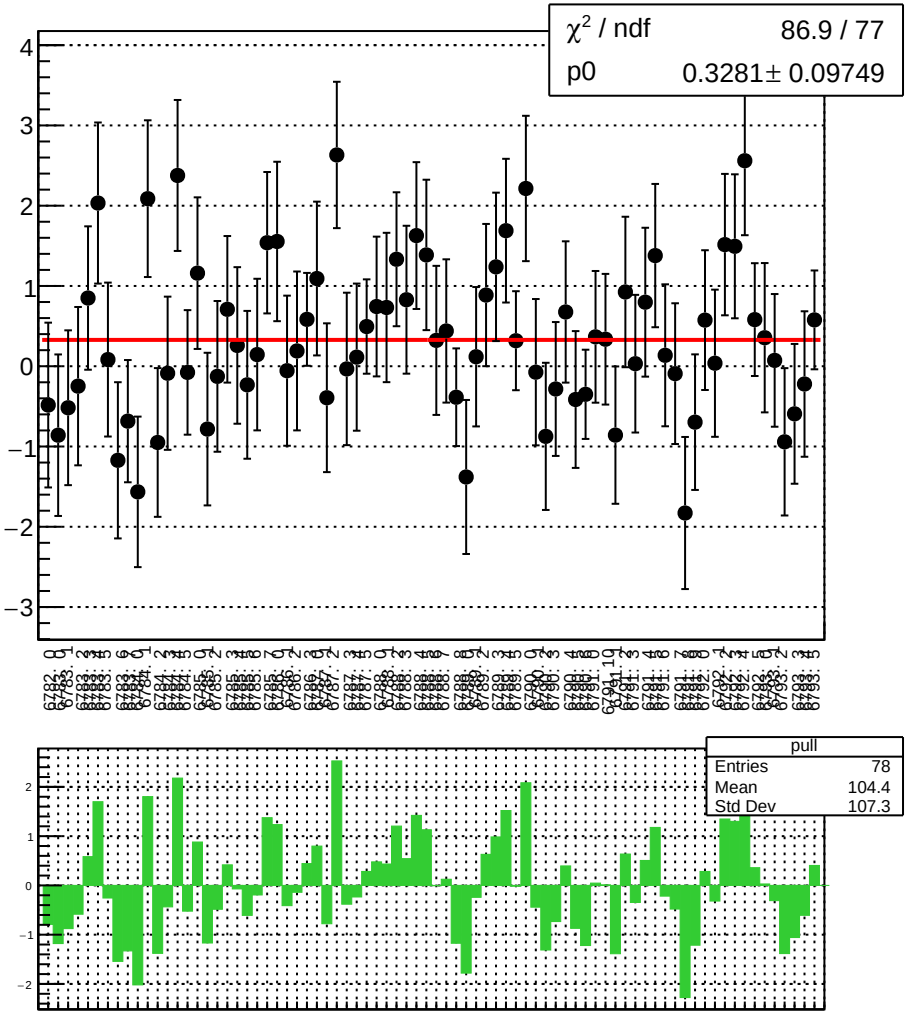


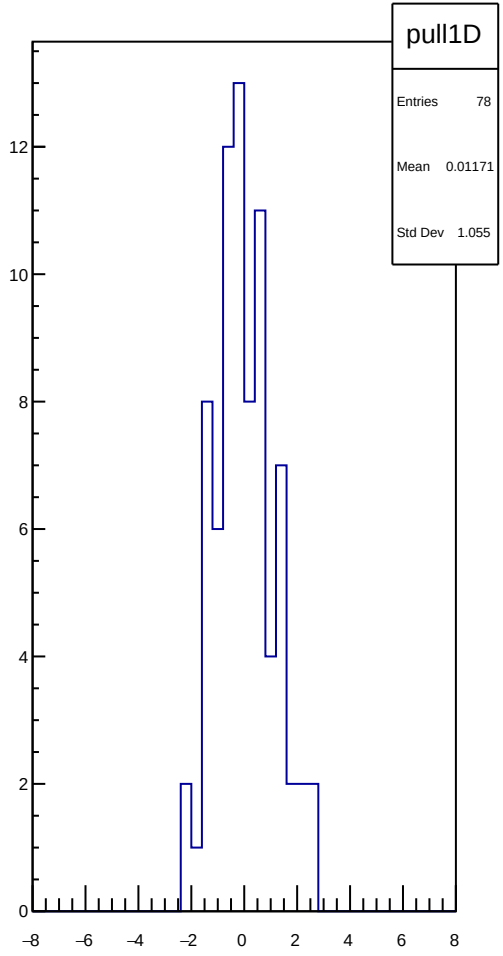
reg_asym_dsr_diff_bpm4eX_slope vs run

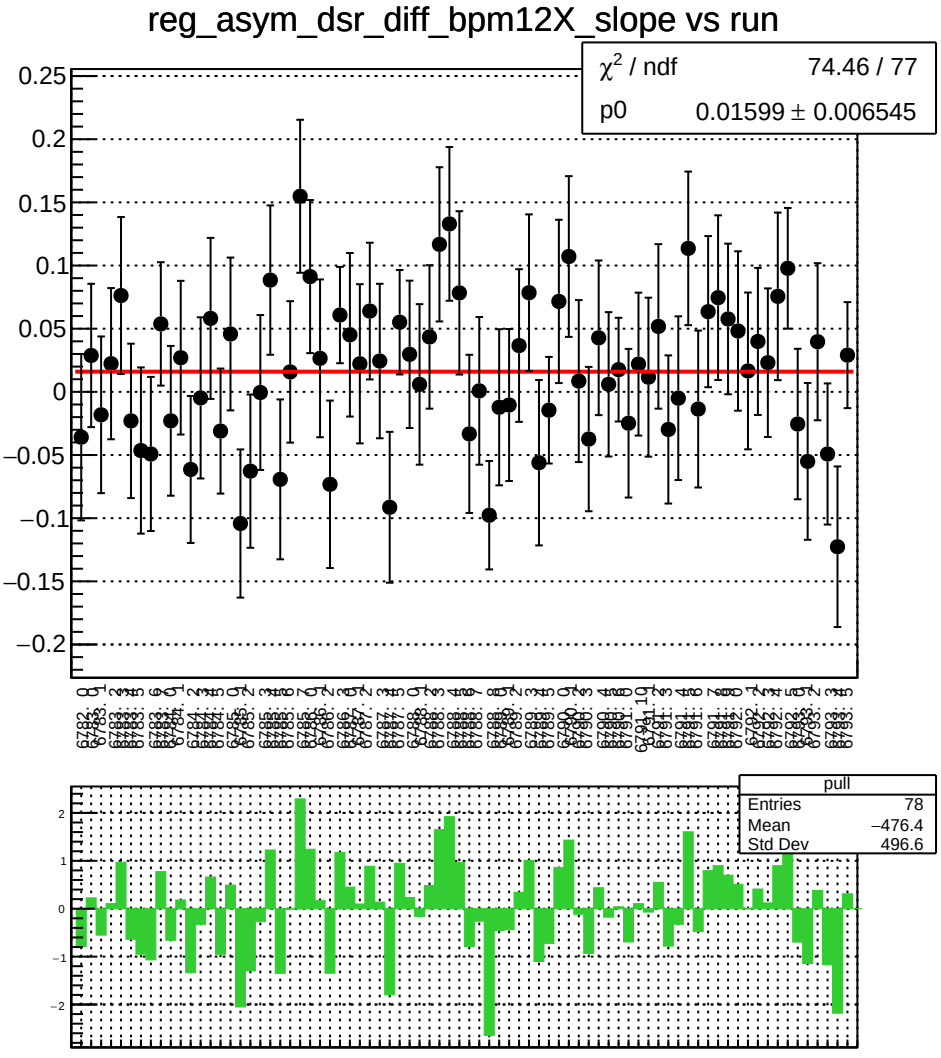


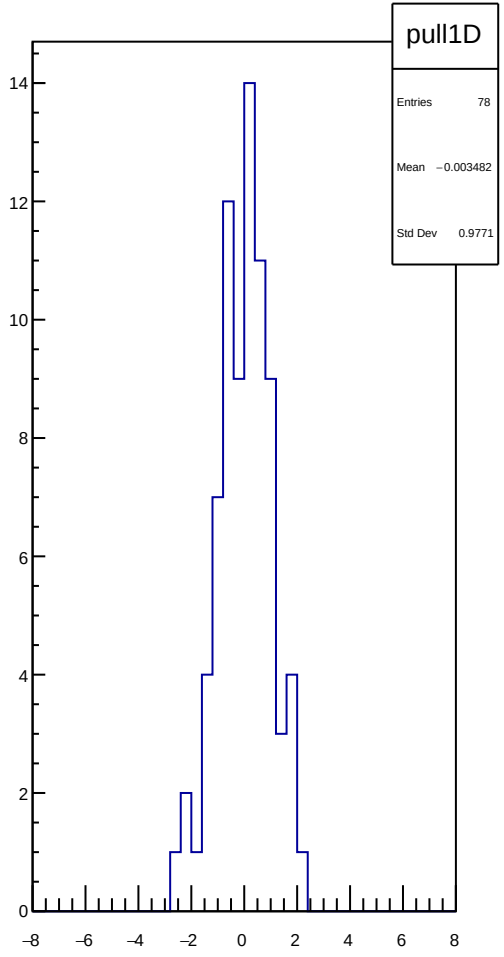


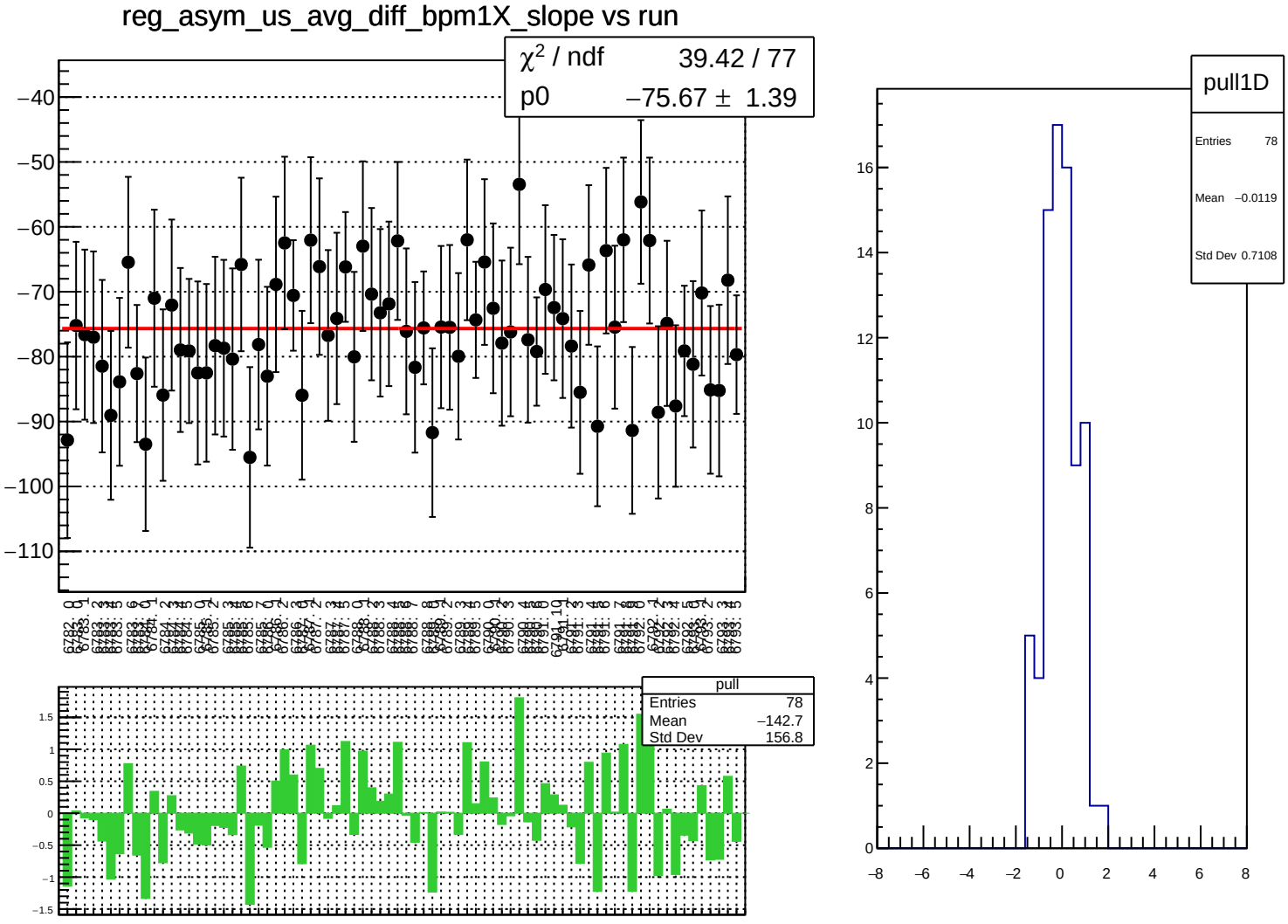
reg_asym_dsr_diff_bpm4eY_slope vs run

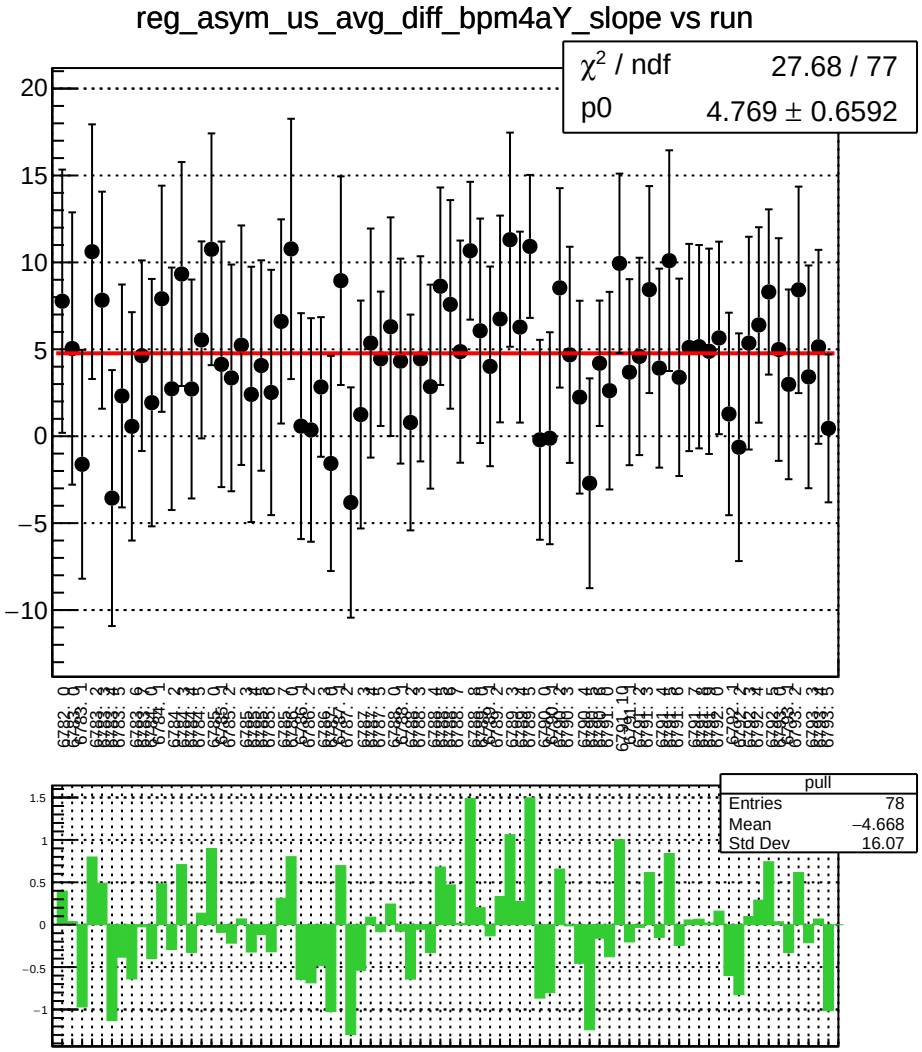


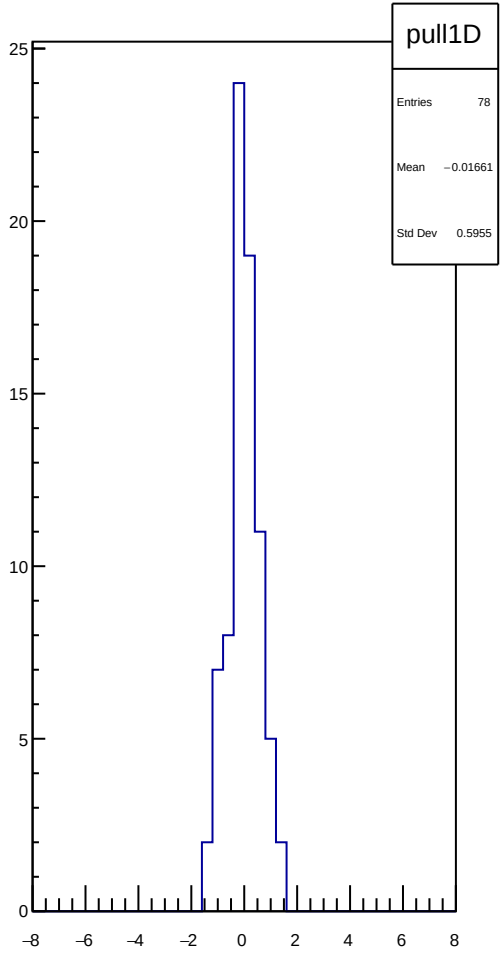


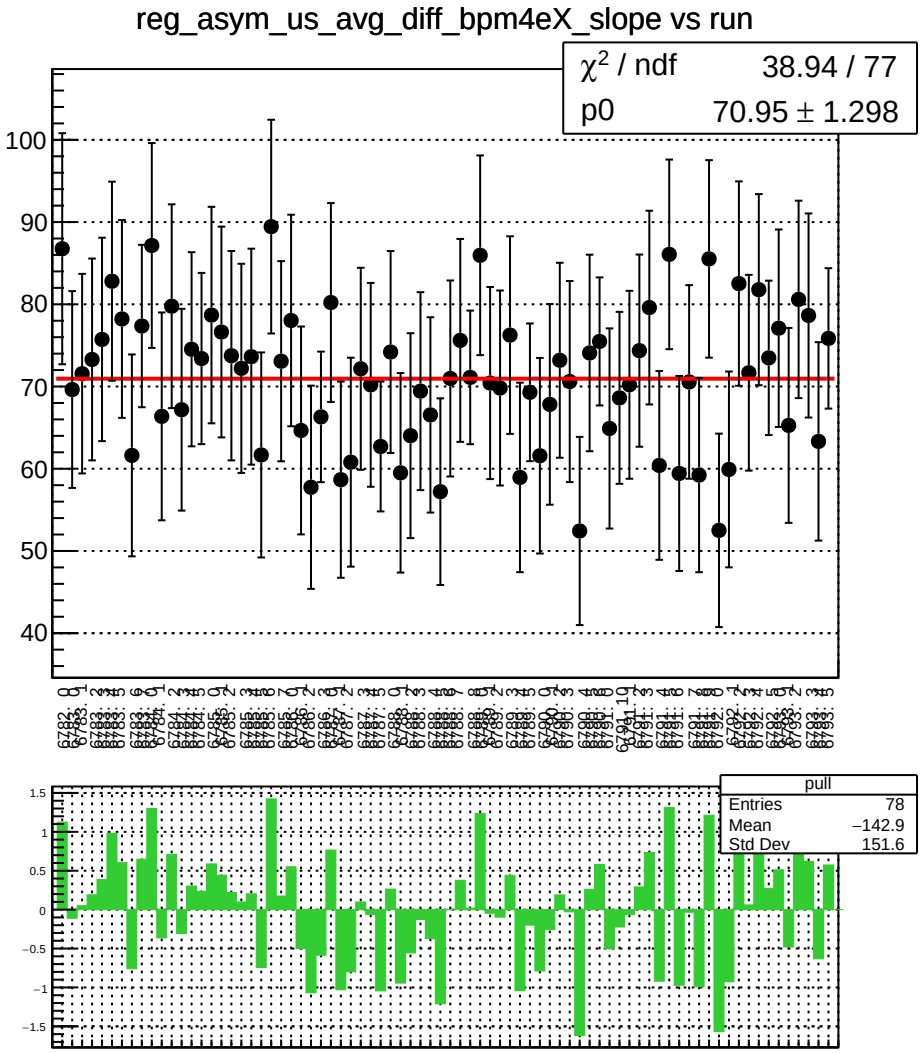

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 74.46 / 77
p0 0.01599 ± 0.006545
pull
Entries 78
Mean −476.4
Std Dev 496.6

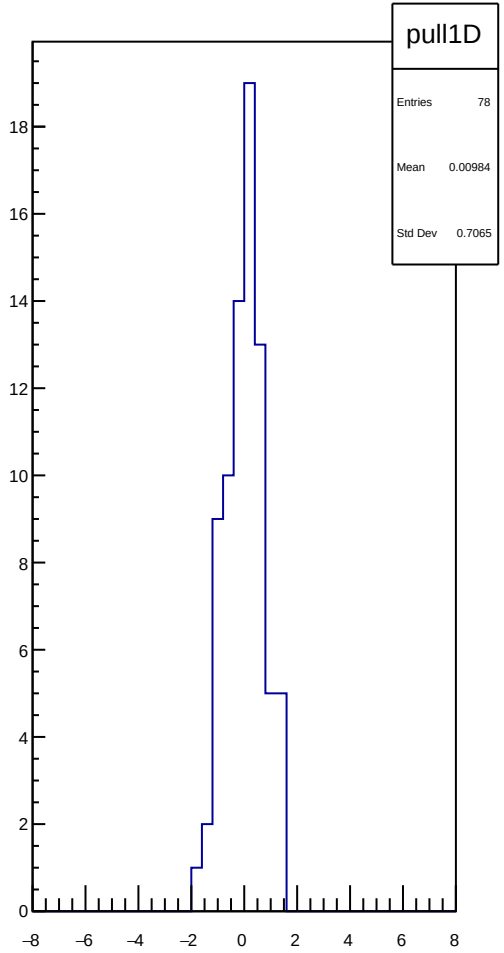

pull1D
Entries 78
Mean −0.003482
Std Dev 0.9771

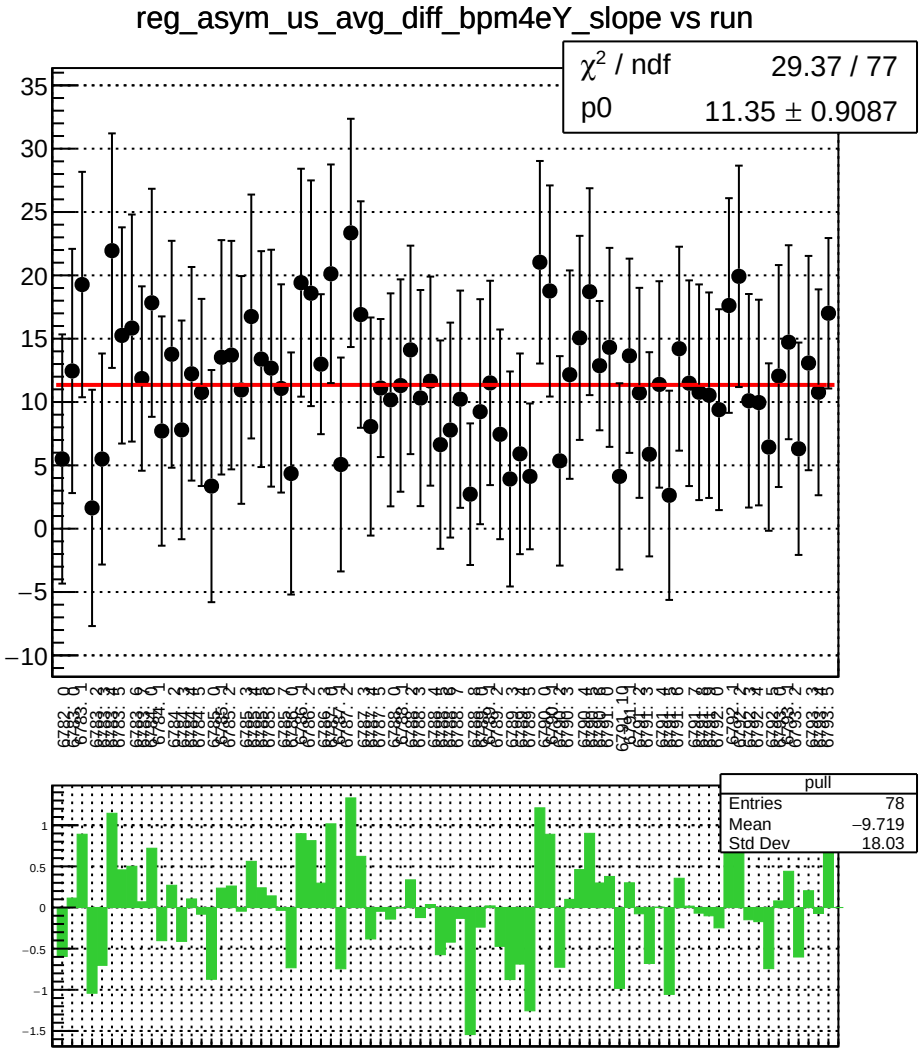

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 77
p0 −75.67 ± 1.39
pull
Entries 78
Mean −142.7
Std Dev 156.8
pull1D
Entries 78
Mean −0.0119
Std Dev 0.7108

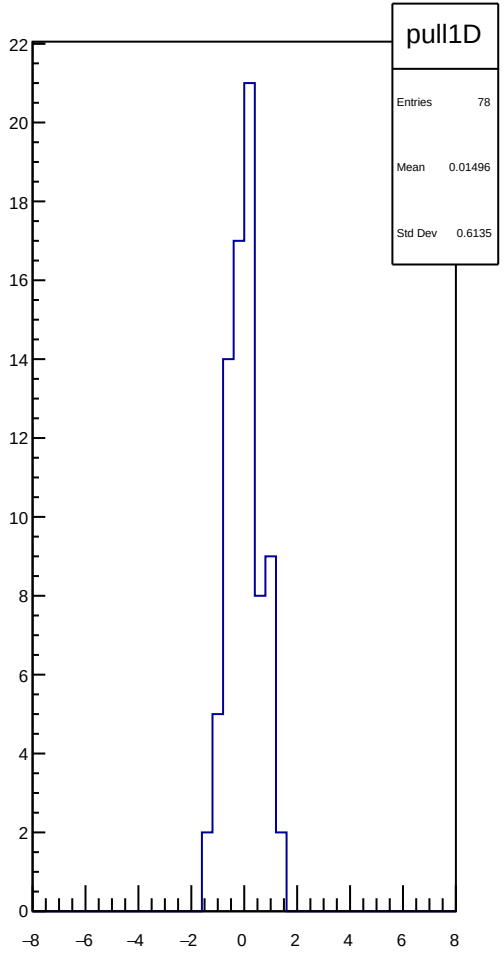

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.68 / 77
p0 4.769 ± 0.6592
pull
Entries 78
Mean −4.668
Std Dev 16.07

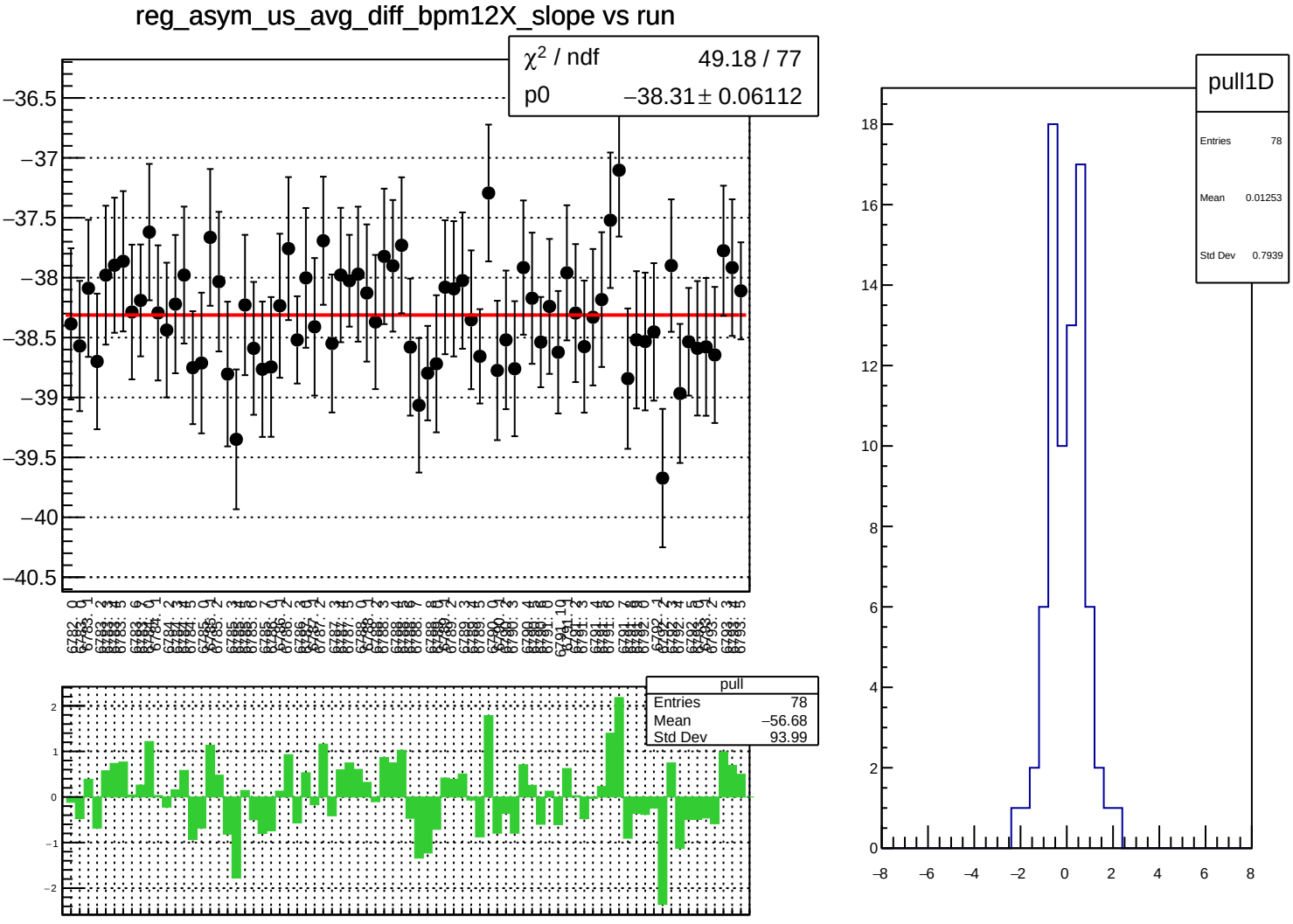

pull1D
Entries 78
Mean −0.01661
Std Dev 0.5955

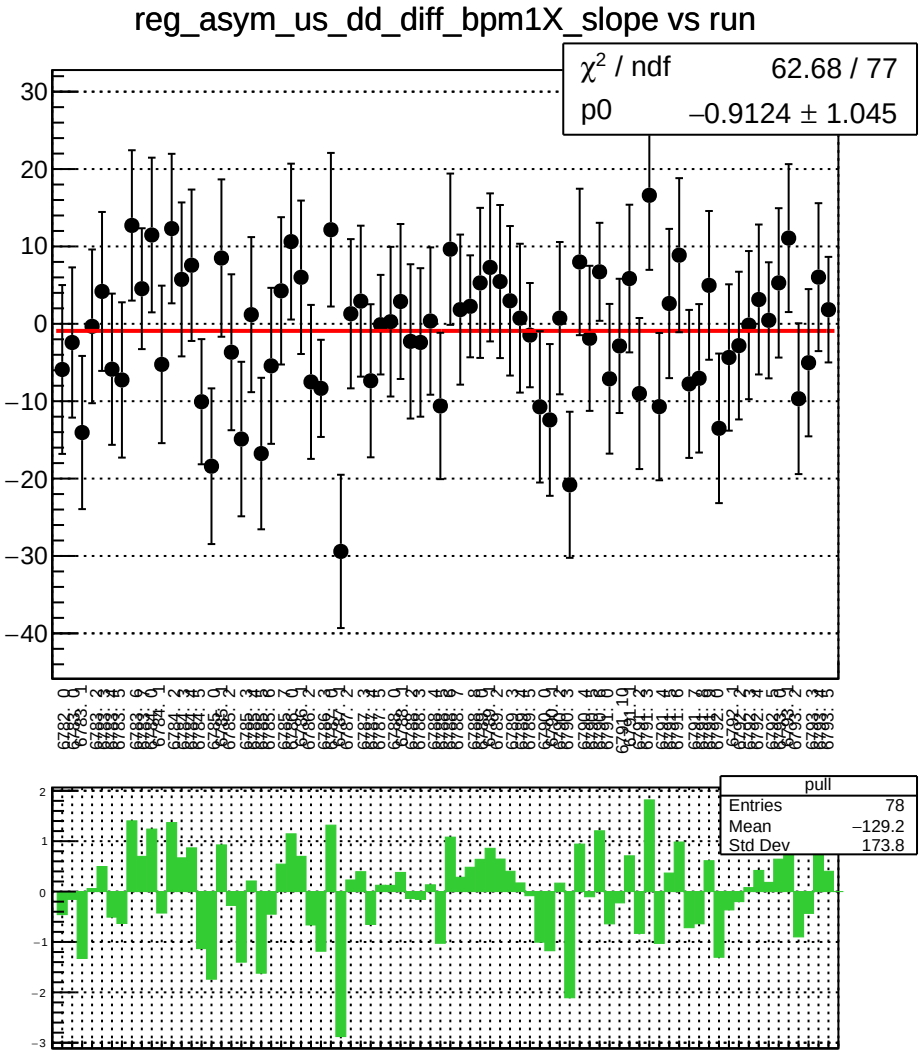

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 38.94 / 77
p0 70.95 ± 1.298
pull
Entries 78
Mean −142.9
Std Dev 151.6

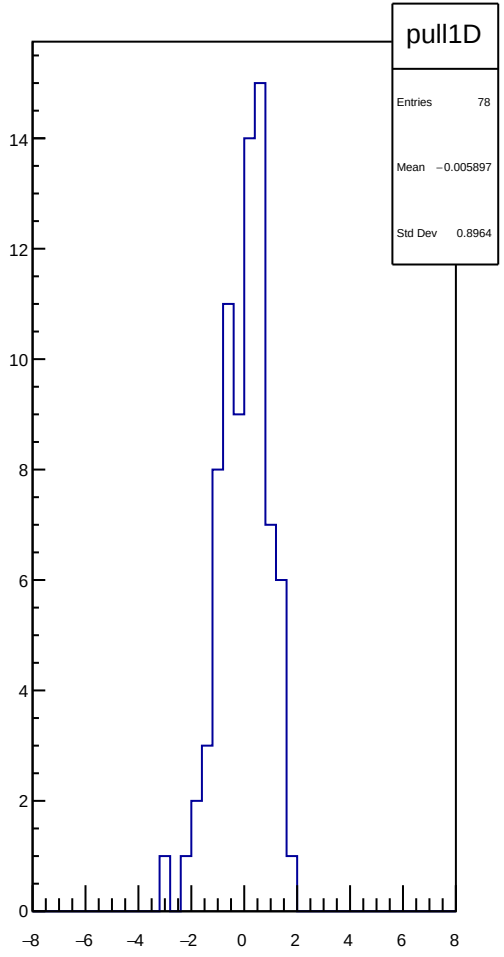

pull1D
Entries 78
Mean 0.00984
Std Dev 0.7065

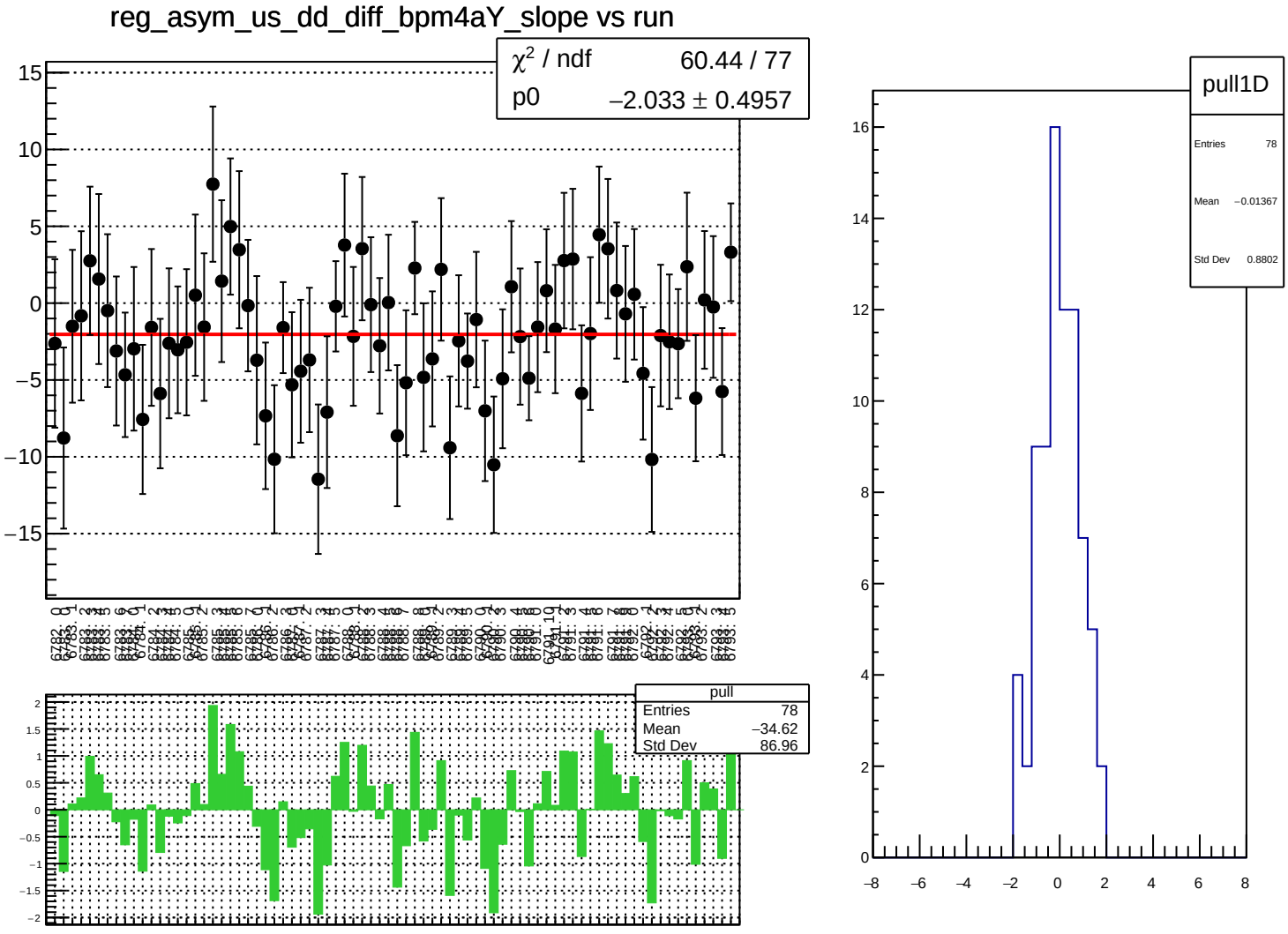

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.37 / 77
p0 11.35 ± 0.9087
pull
Entries 78
Mean −9.719
Std Dev 18.03

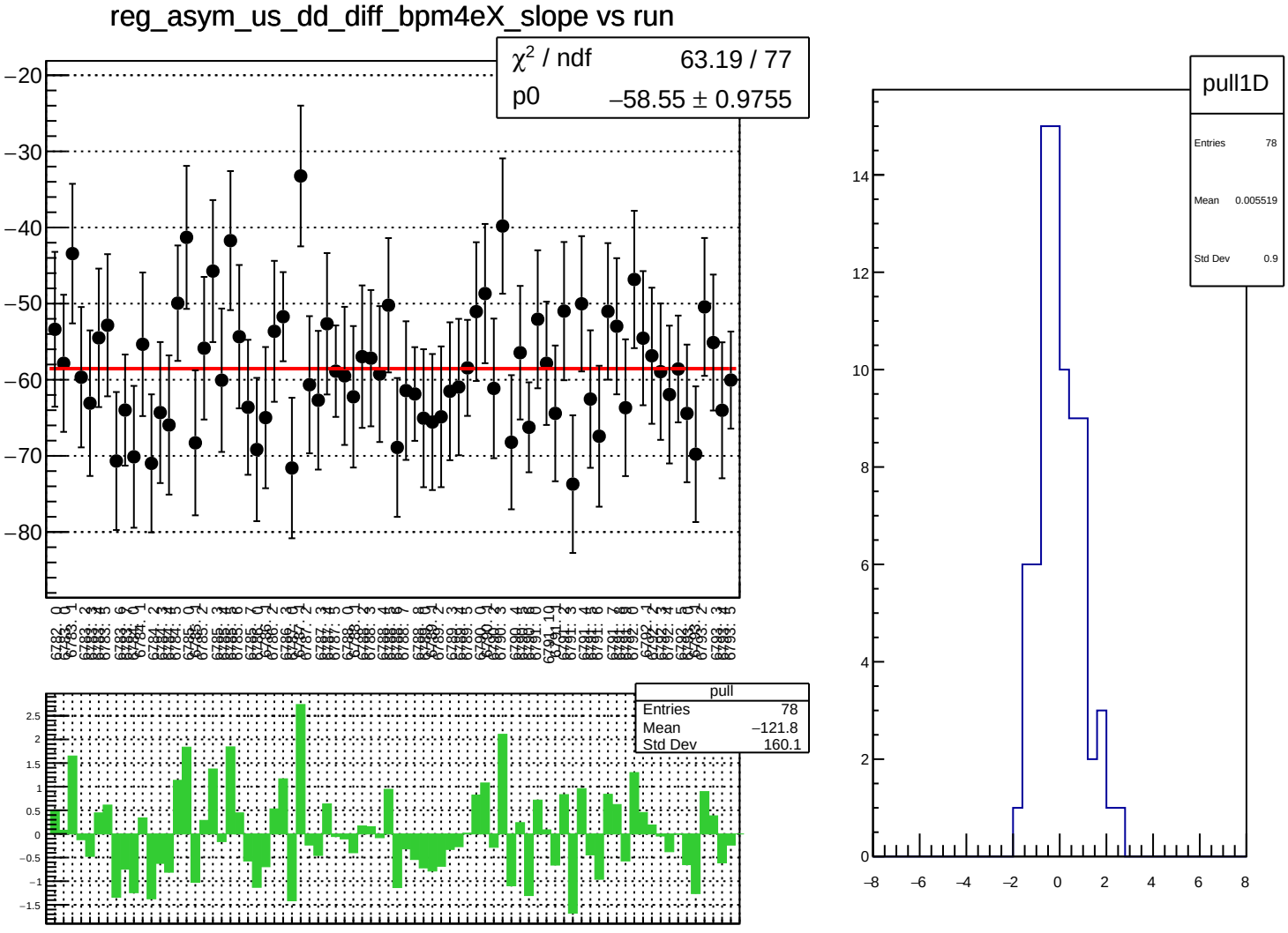

pull1D
Entries 78
Mean 0.01496
Std Dev 0.6135

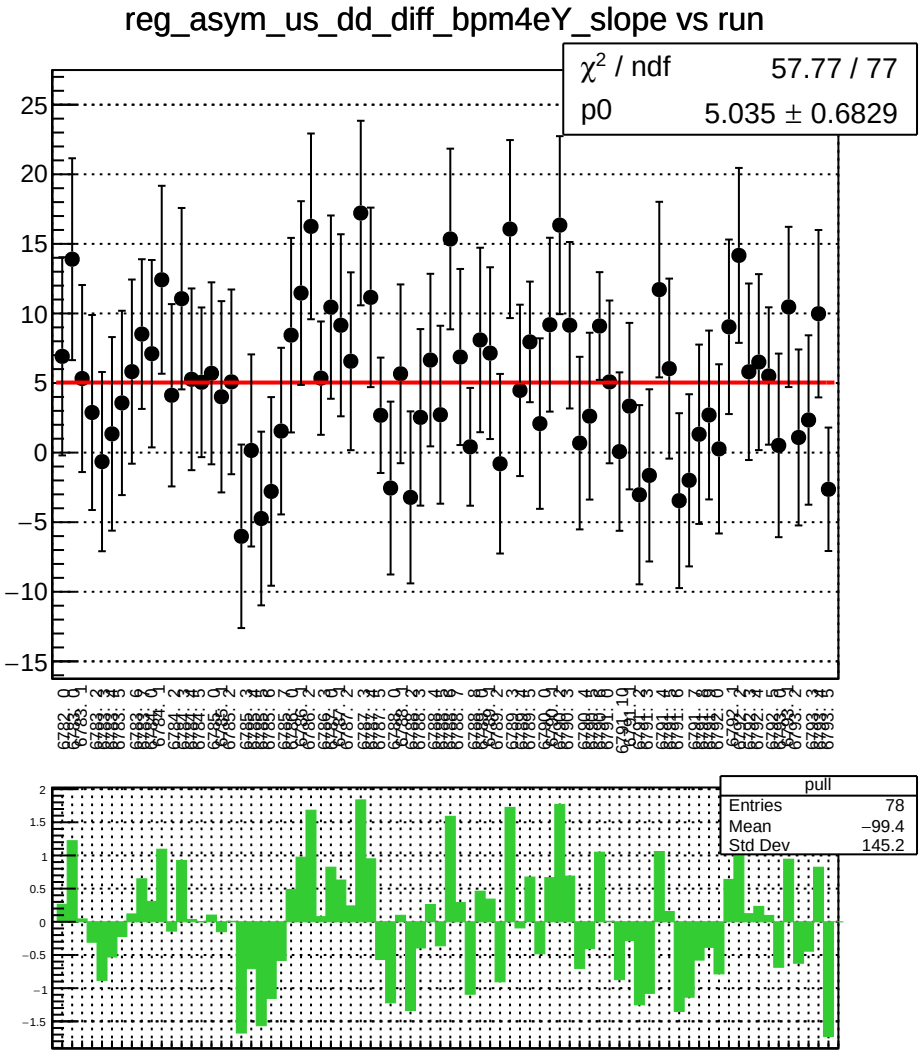

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 49.18 / 77
p0 −38.31 ± 0.06112
pull
Entries 78
Mean −56.68
Std Dev 93.99
pull1D
Entries 78
Mean 0.01253
Std Dev 0.7939

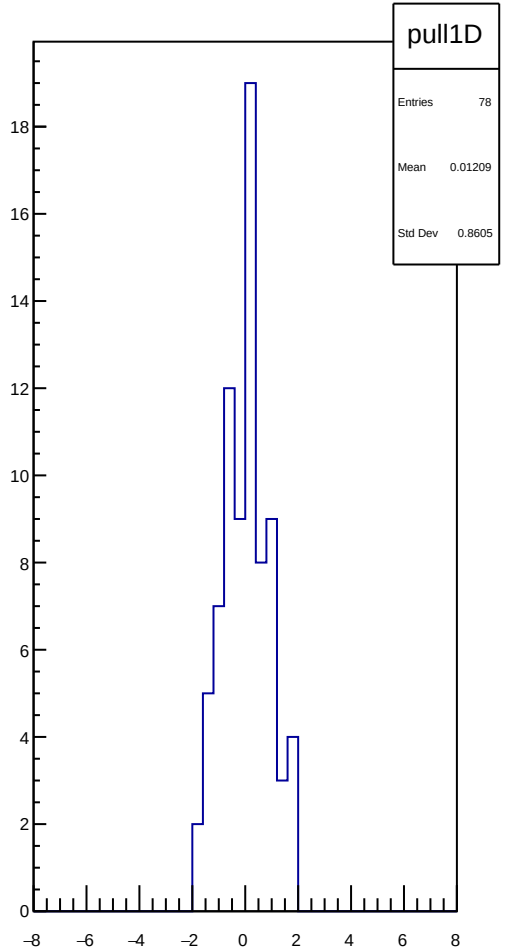

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.68 / 77
p0 −0.9124 ± 1.045
pull
Entries 78
Mean −129.2
Std Dev 173.8

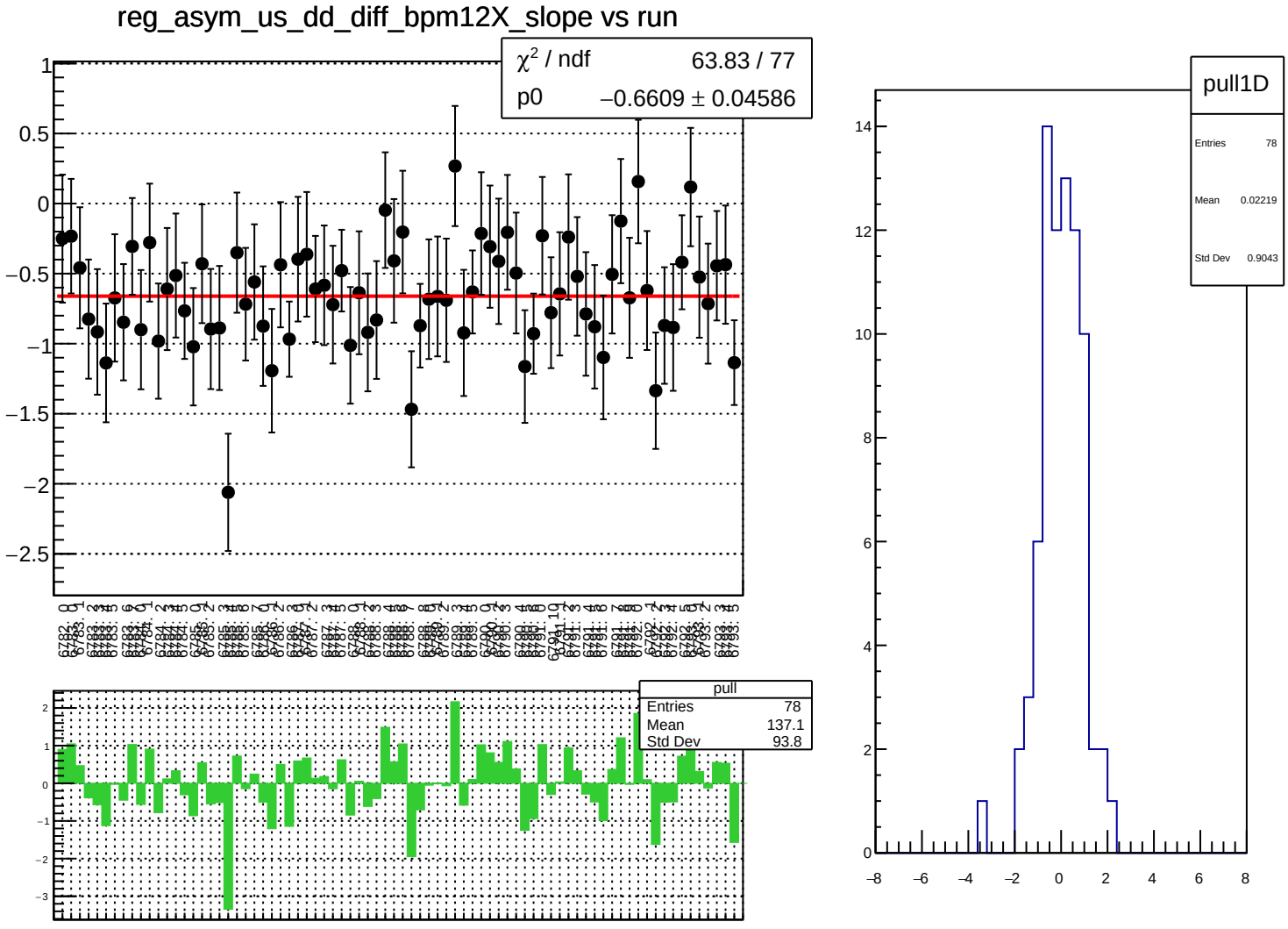

pull1D
Entries 78
Mean −0.005897
Std Dev 0.8964

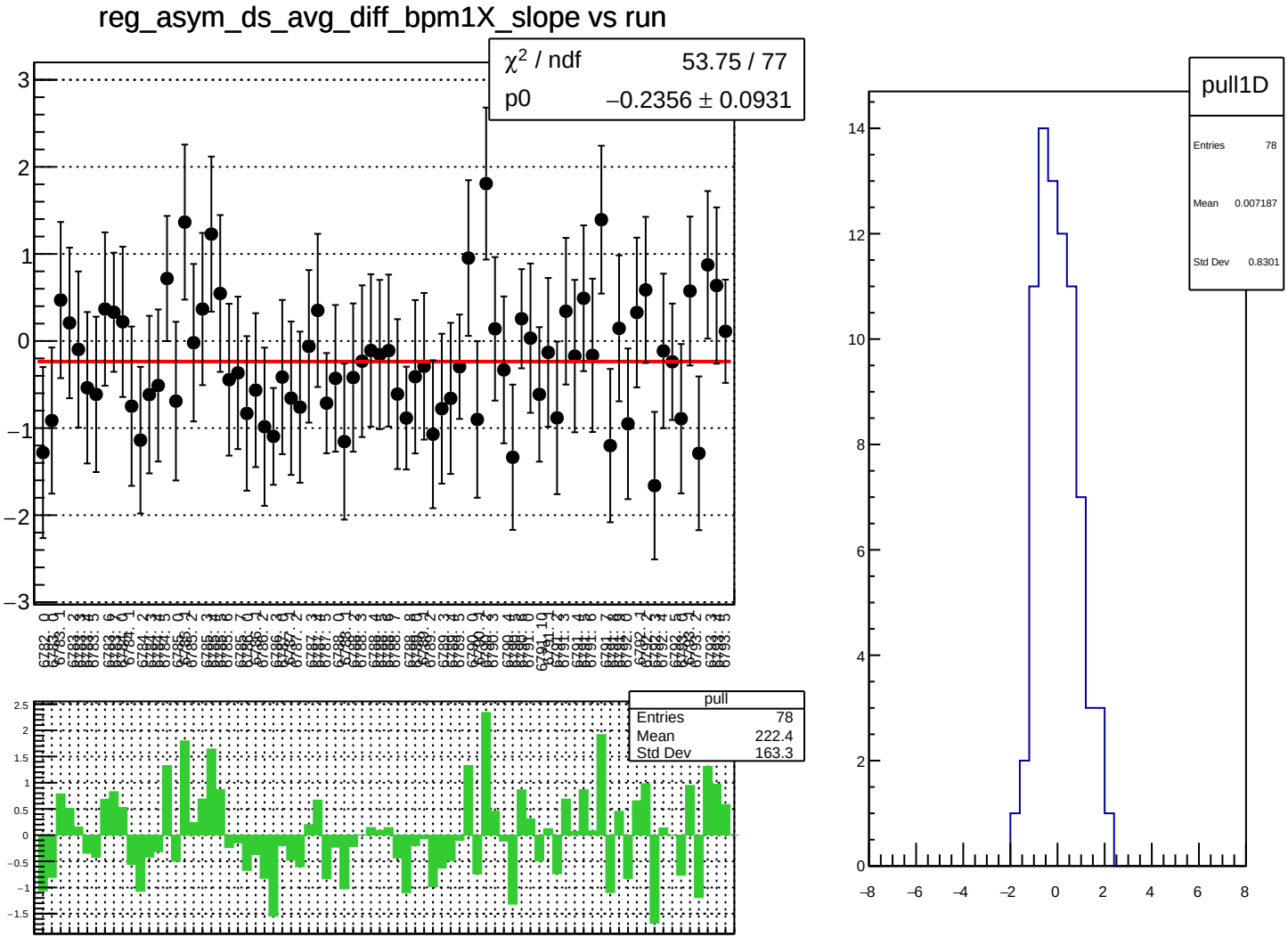

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.44 / 77
p0 −2.033 ± 0.4957
pull
Entries 78
Mean −34.62
Std Dev 86.96
pull1D
Entries 78
Mean −0.01367
Std Dev 0.8802

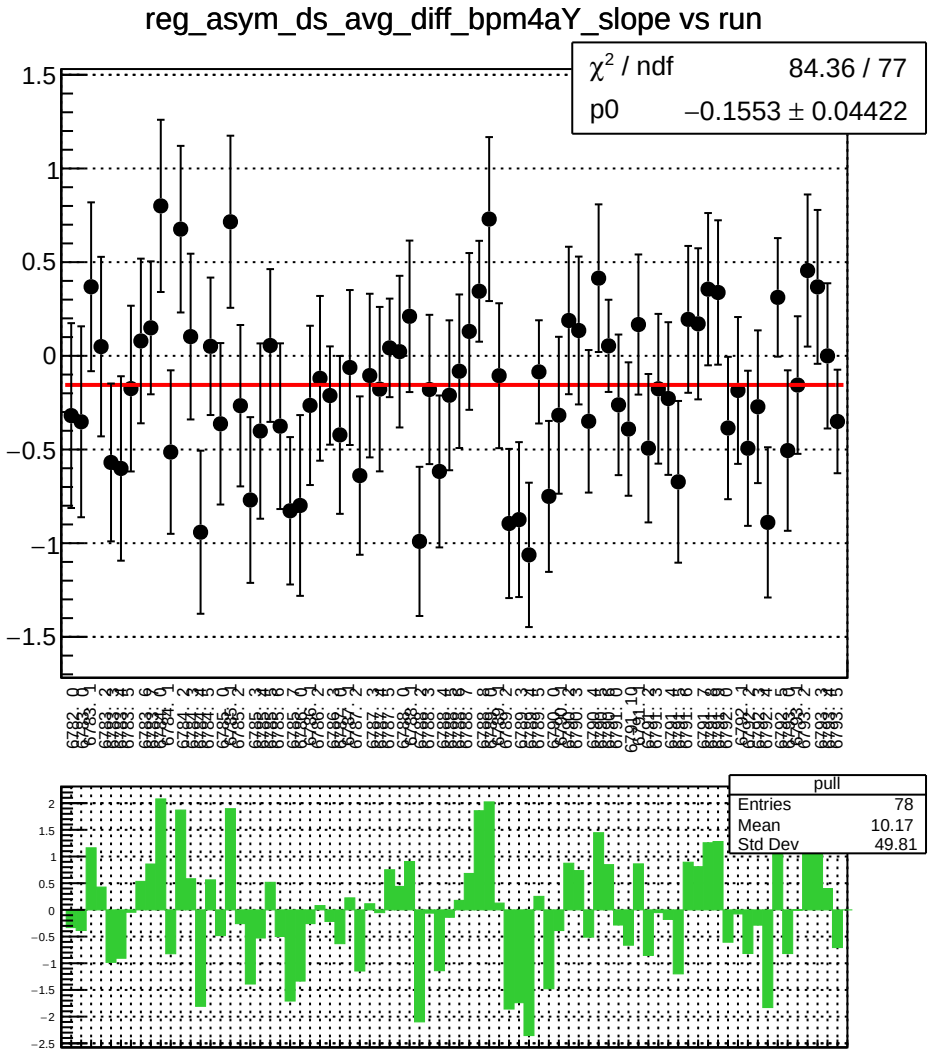

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.19 / 77
p0 −58.55 ± 0.9755
pull
Entries 78
Mean −121.8
Std Dev 160.1
pull1D
Entries 78
Mean 0.005519
Std Dev 0.9

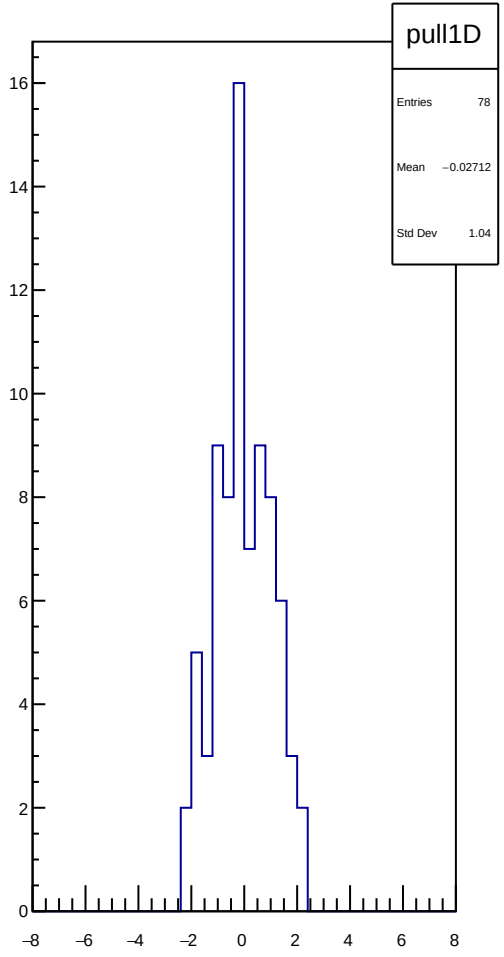

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 57.77 / 77
p0 5.035 ± 0.6829
pull
Entries 78
Mean −99.4
Std Dev 145.2

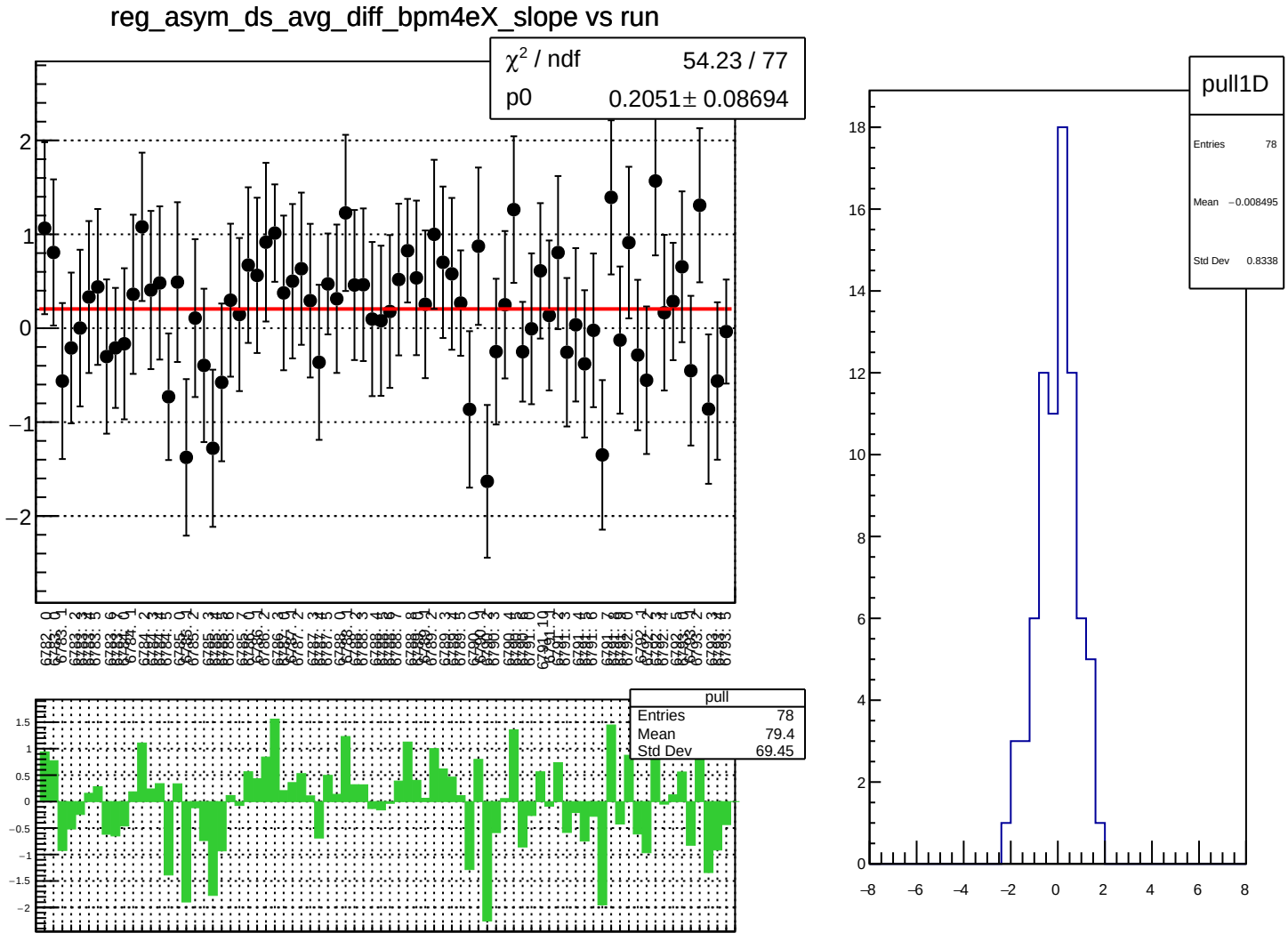

pull1D
Entries 78
Mean 0.01209
Std Dev 0.8605

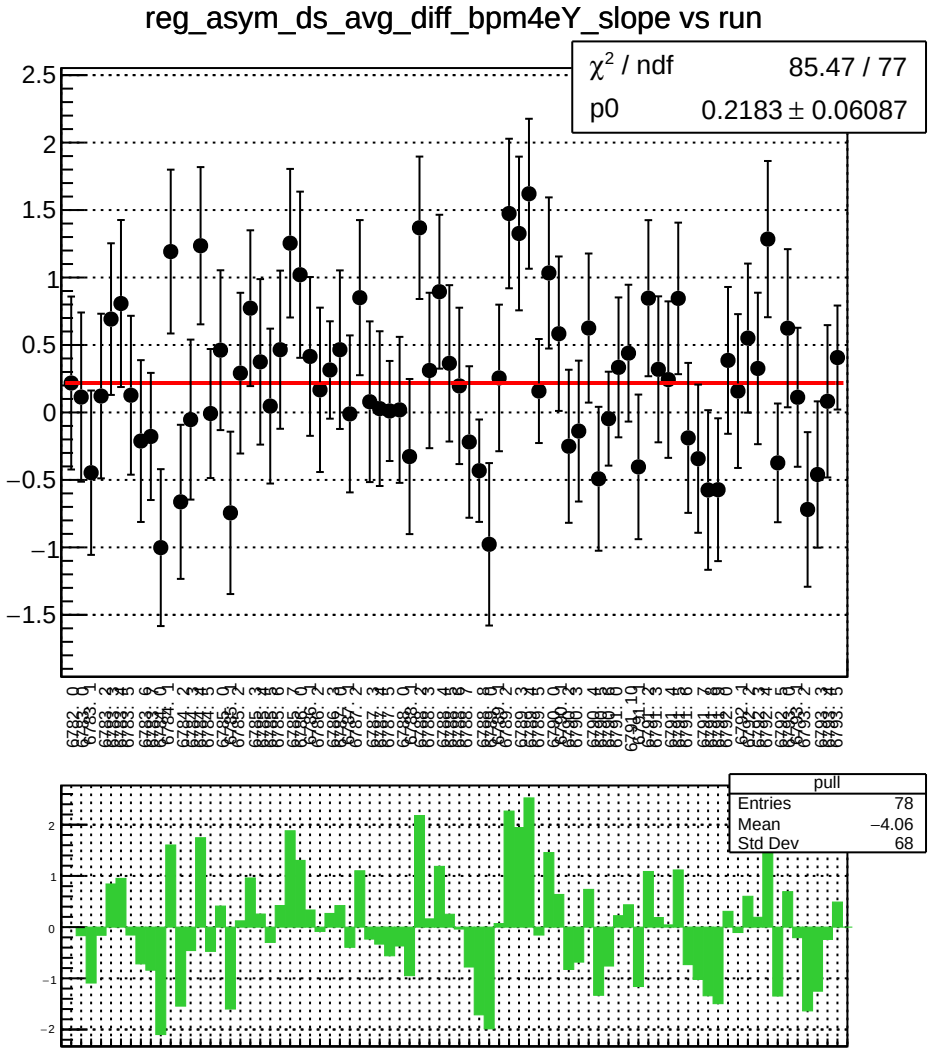

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 63.83 / 77
p0 −0.6609 ± 0.04586
pull
Entries 78
Mean 137.1
Std Dev 93.8
pull1D
Entries 78
Mean 0.02219
Std Dev 0.9043

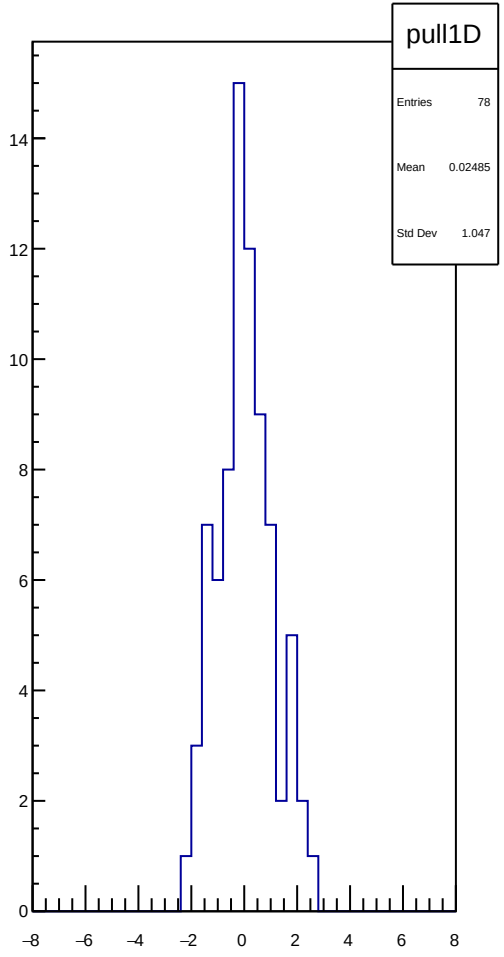

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 53.75 / 77
p0 −0.2356 ± 0.0931
pull
Entries 78
Mean 222.4
Std Dev 163.3
pull1D
Entries 78
Mean 0.007187
Std Dev 0.8301

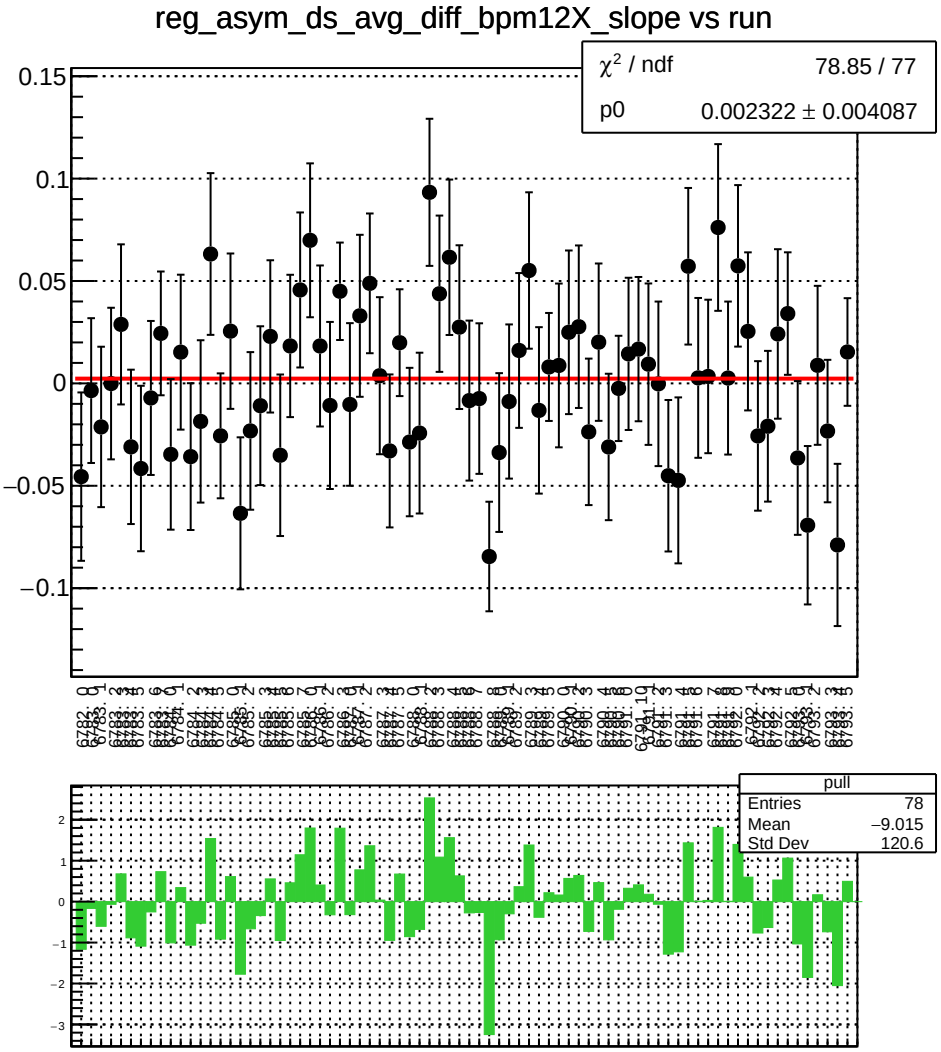

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 84.36 / 77
p0 −0.1553 ± 0.04422
pull
Entries 78
Mean 10.17
Std Dev 49.81

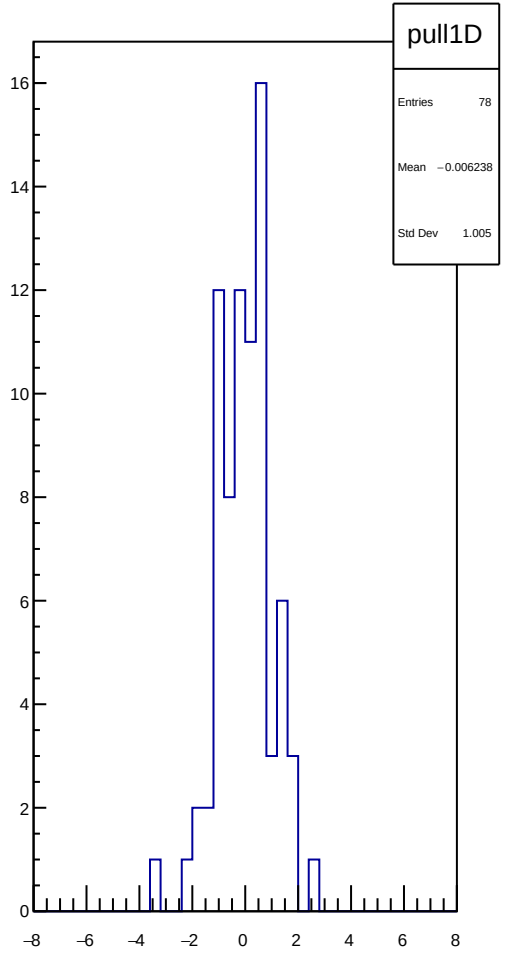

pull1D
Entries 78
Mean −0.02712
Std Dev 1.04


reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 54.23 / 77
p0 0.2051± 0.08694
pull
Entries 78
Mean 79.4
Std Dev 69.45
pull1D
Entries 78
Mean −0.008495
Std Dev 0.8338

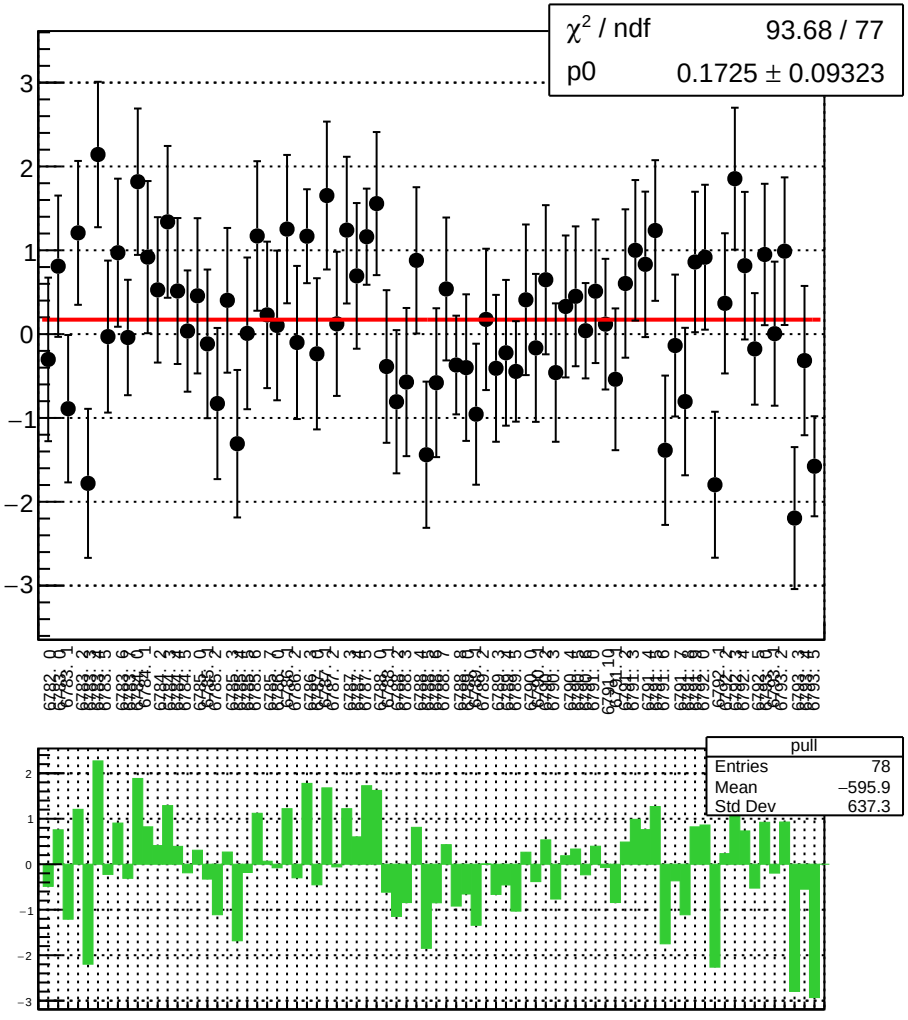

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 85.47 / 77
p0 0.2183 ± 0.06087
pull
Entries 78
Mean −4.06
Std Dev 68

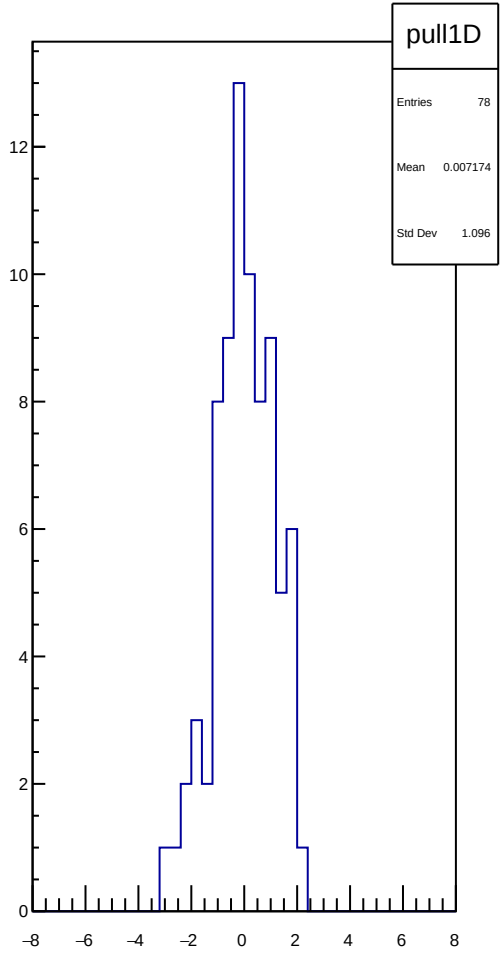

pull1D
Entries 78
Mean 0.02485
Std Dev 1.047

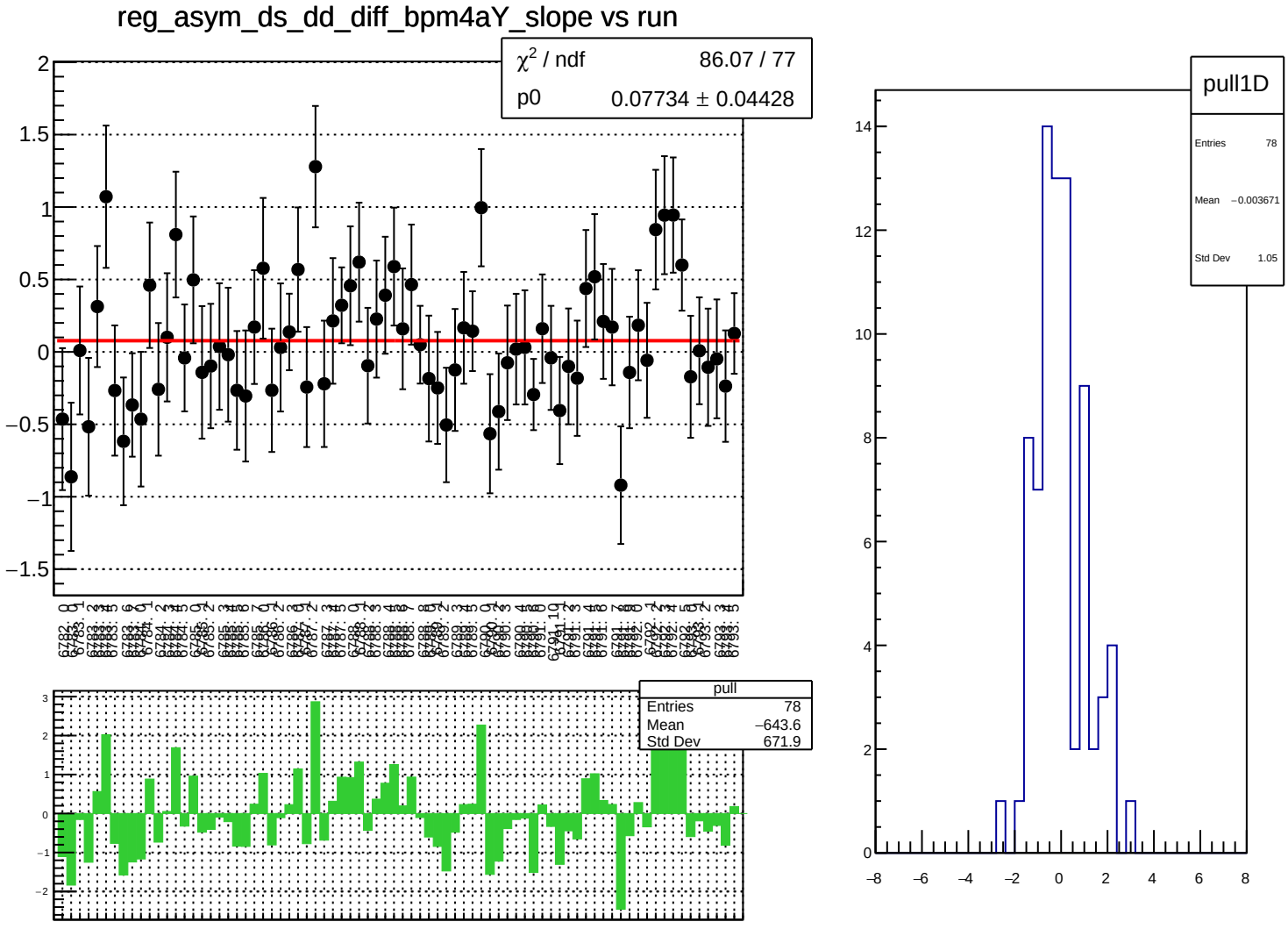

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 78.85 / 77
p0 0.002322 ± 0.004087
pull
Entries 78
Mean −9.015
Std Dev 120.6

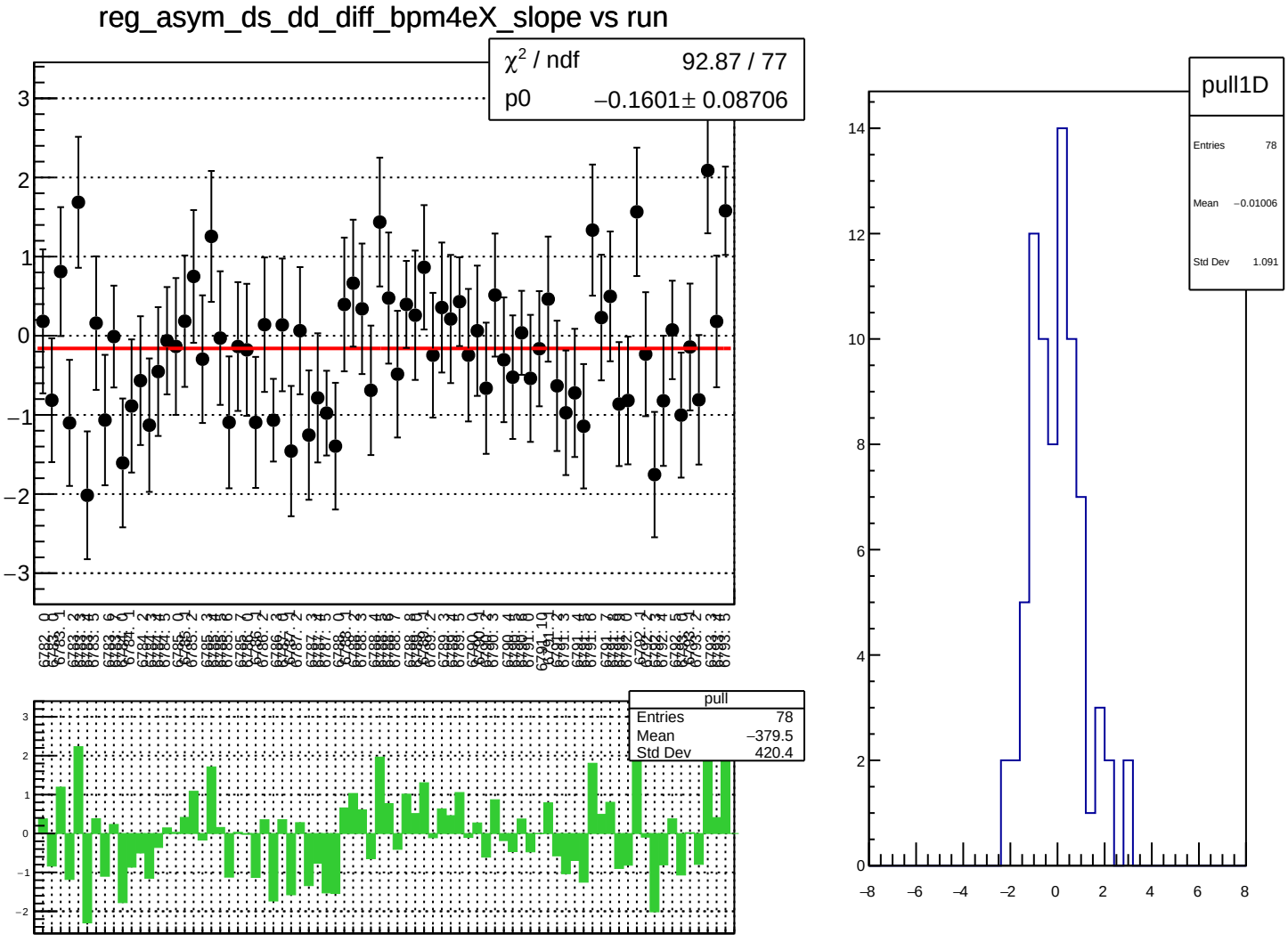

pull1D
Entries 78
Mean −0.006238
Std Dev 1.005

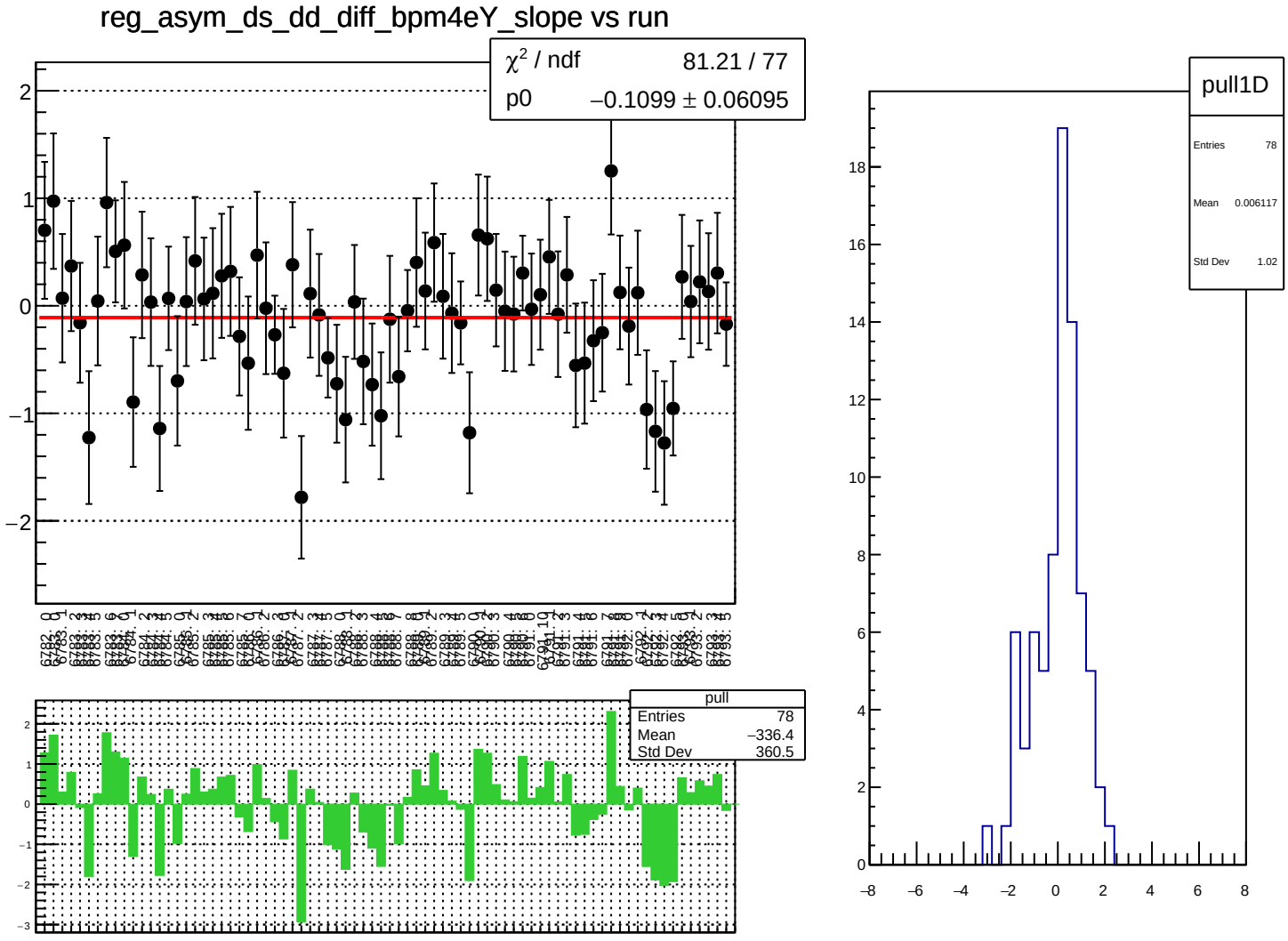
reg_asym_ds_dd_diff_bpm1X_slope vs run

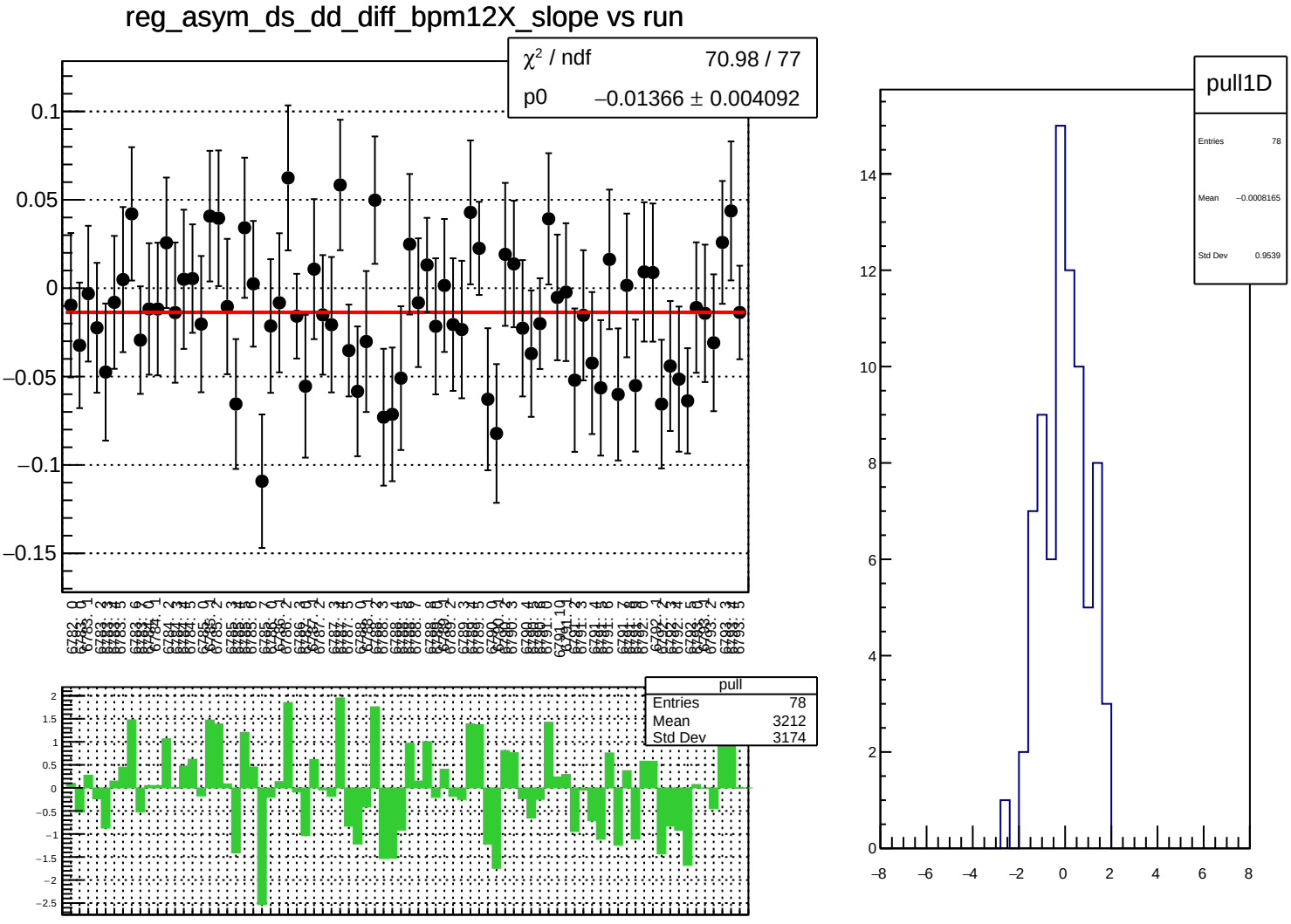


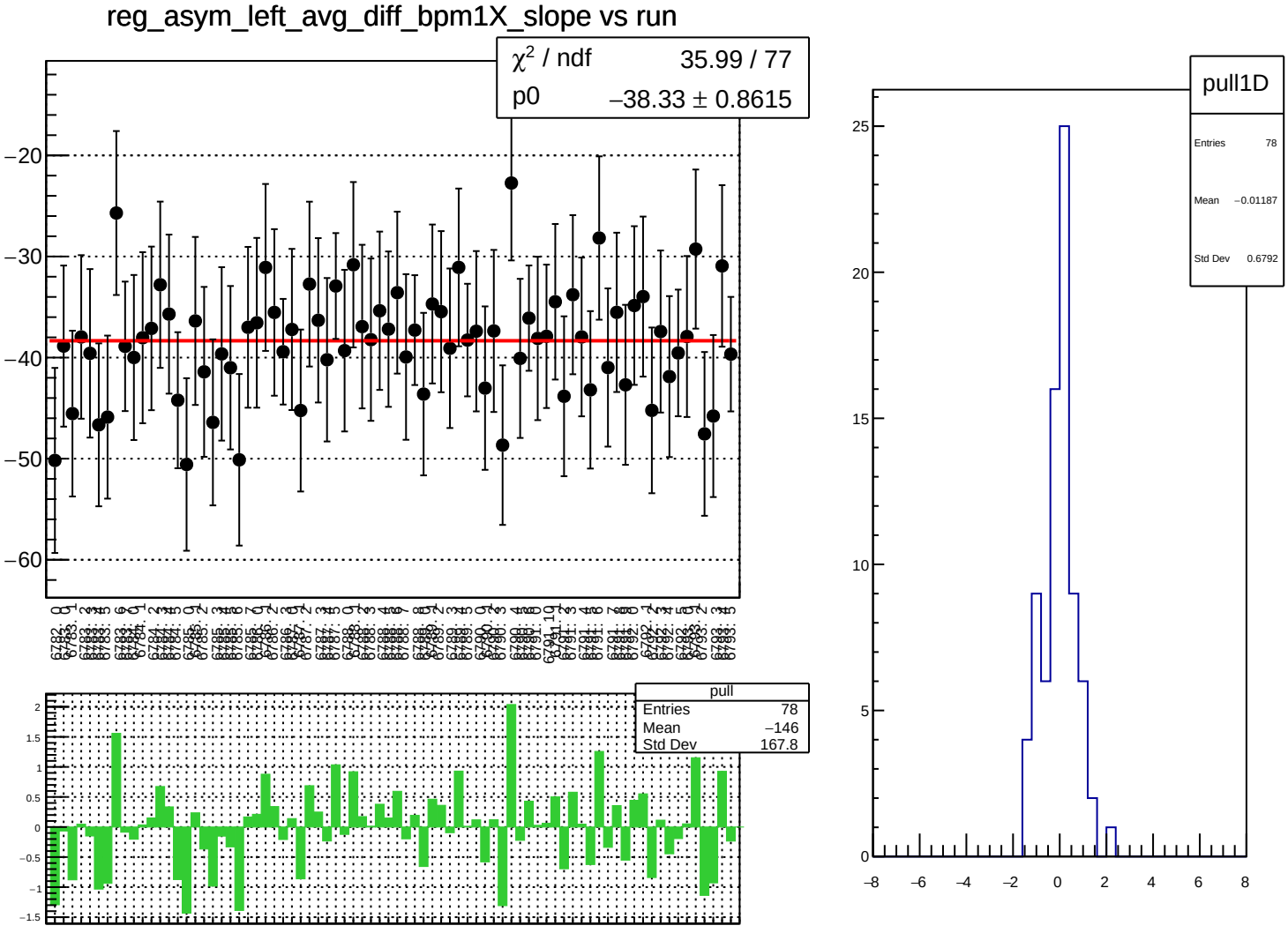


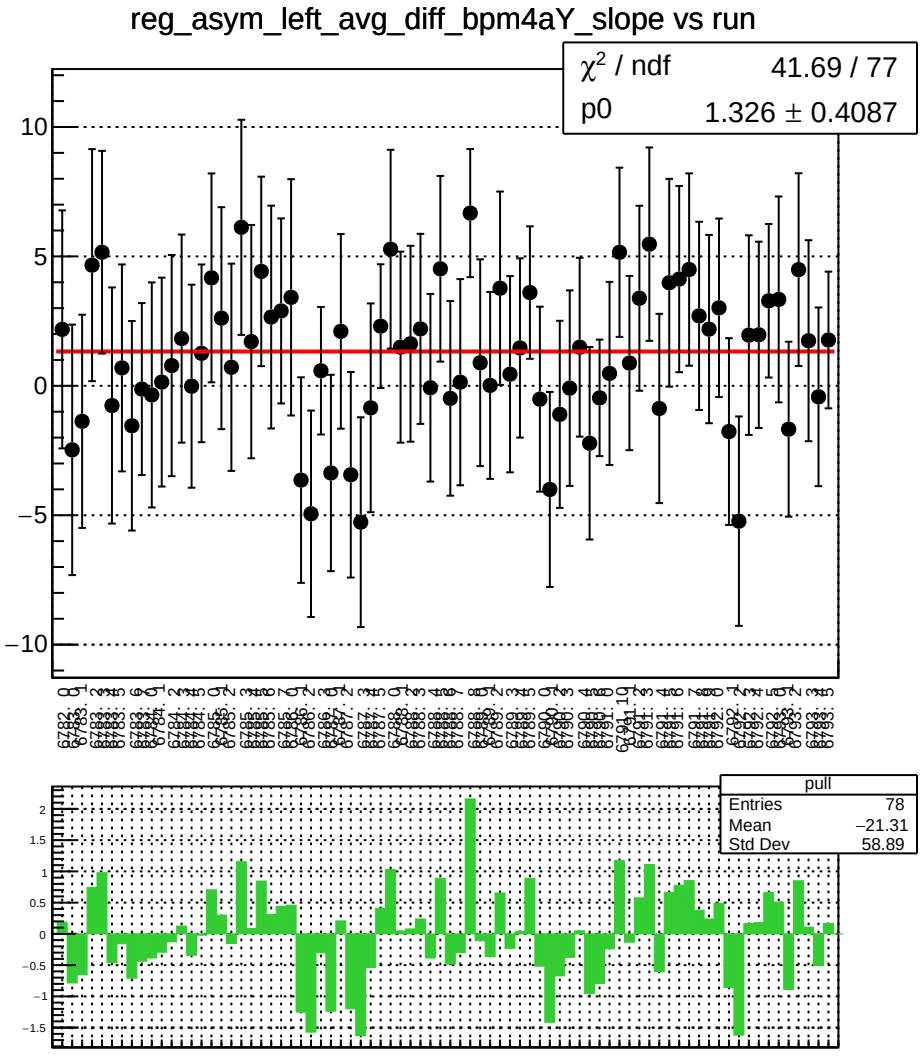

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.07 / 77
p0 0.07734 ± 0.04428
pull
Entries 78
Mean −643.6
Std Dev 671.9
pull1D
Entries 78
Mean −0.003671
Std Dev 1.05

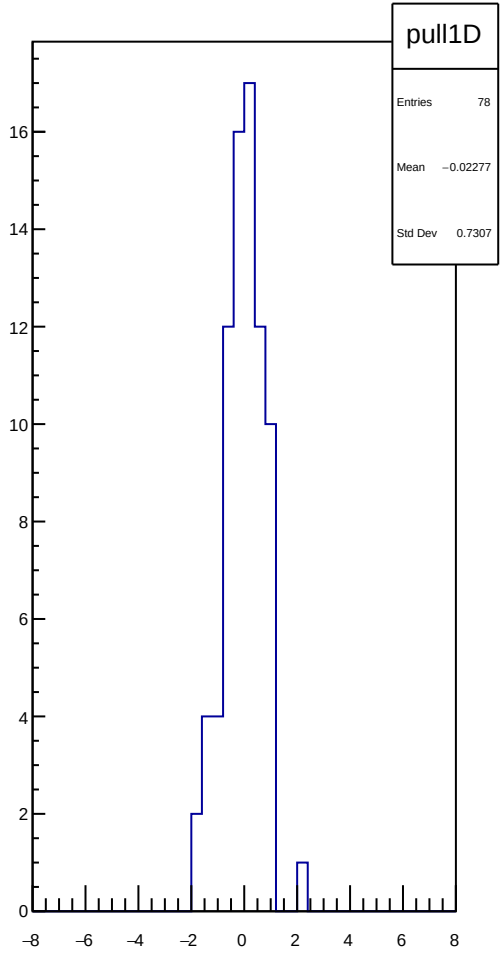

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 92.87 / 77
p0 −0.1601± 0.08706
pull
Entries 78
Mean −379.5
Std Dev 420.4
pull1D
Entries 78
Mean −0.01006
Std Dev 1.091

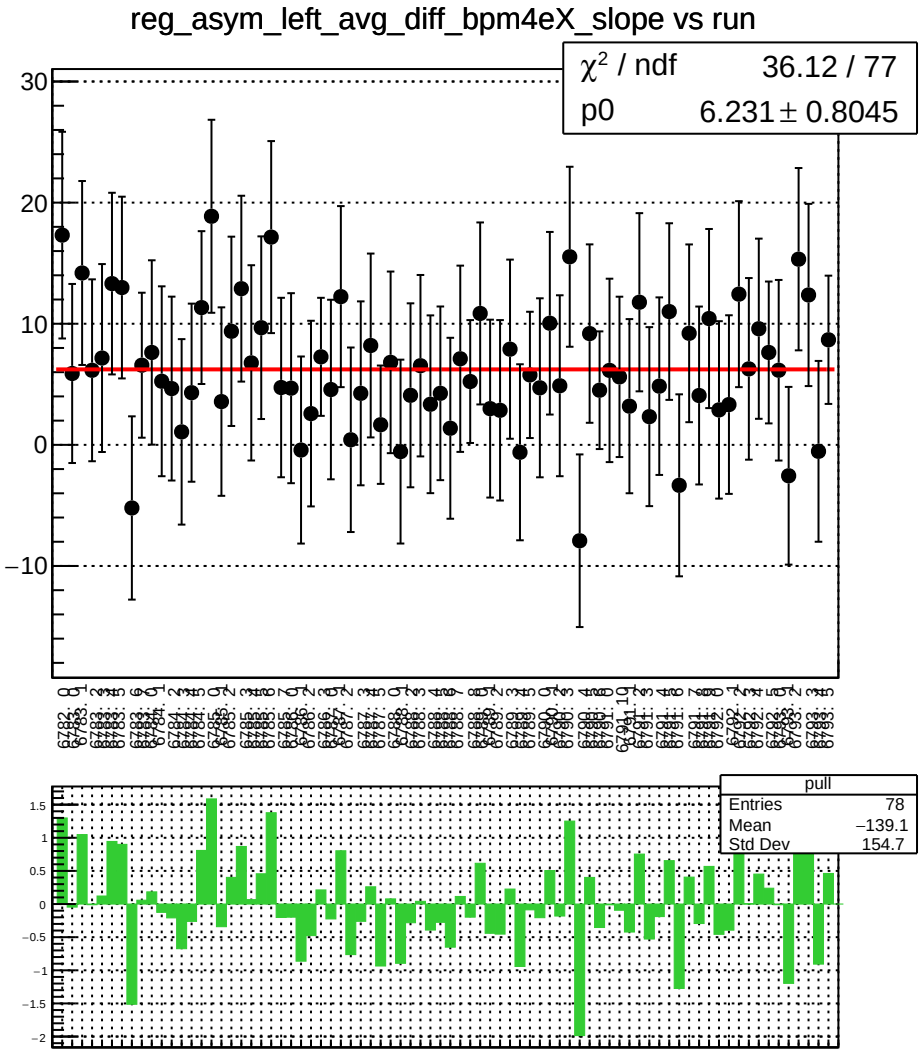

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 81.21 / 77
p0 −0.1099 ± 0.06095
pull
Entries 78
Mean −336.4
Std Dev 360.5
pull1D
Entries 78
Mean 0.006117
Std Dev 1.02

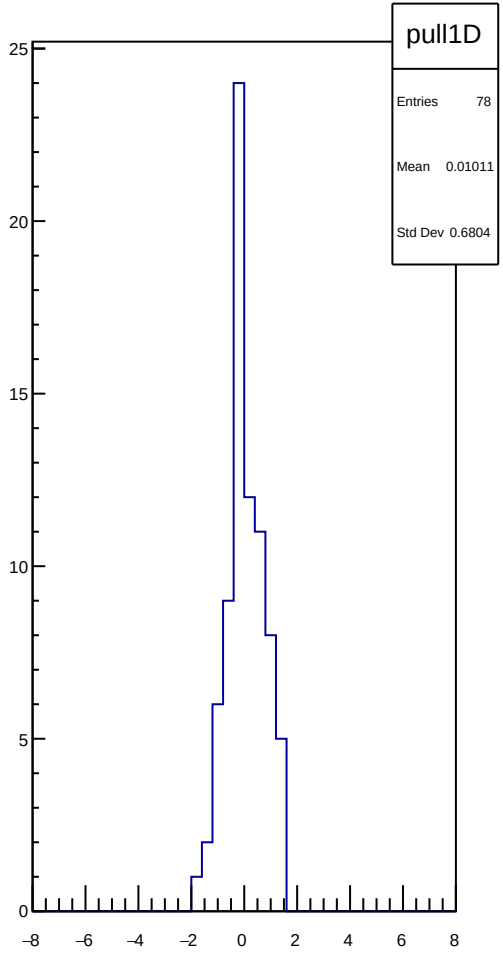

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 70.98 / 77
p0 −0.01366 ± 0.004092
pull
Entries 78
Mean 3212
Std Dev 3174
pull1D
Entries 78
Mean −0.0008165
Std Dev 0.9539

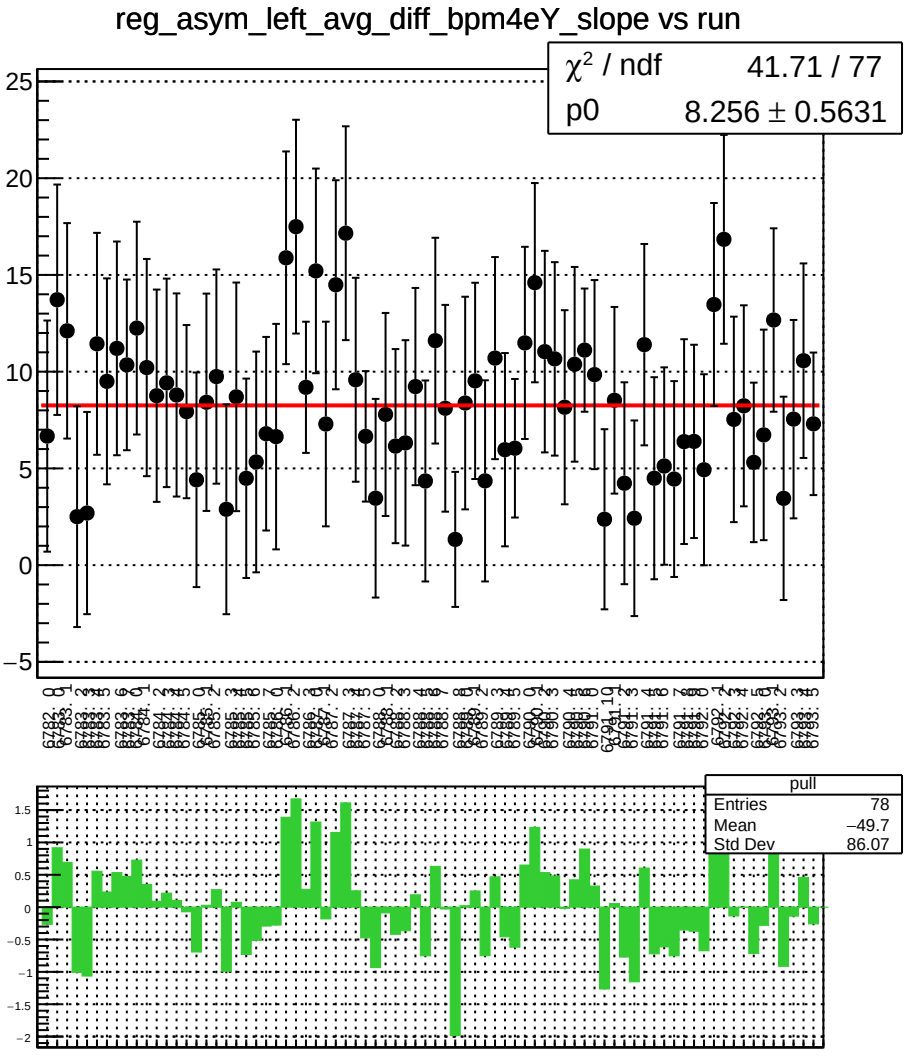

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 35.99 / 77
p0 −38.33 ± 0.8615
pull
Entries 78
Mean −146
Std Dev 167.8
pull1D
Entries 78
Mean −0.01187
Std Dev 0.6792

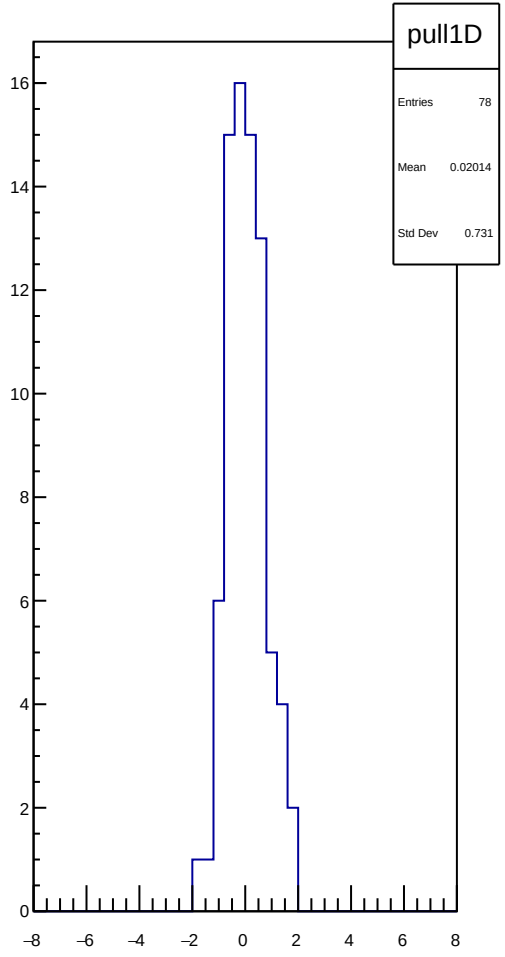

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 41.69 / 77
p0 1.326 ± 0.4087
pull
Entries 78
Mean −21.31
Std Dev 58.89

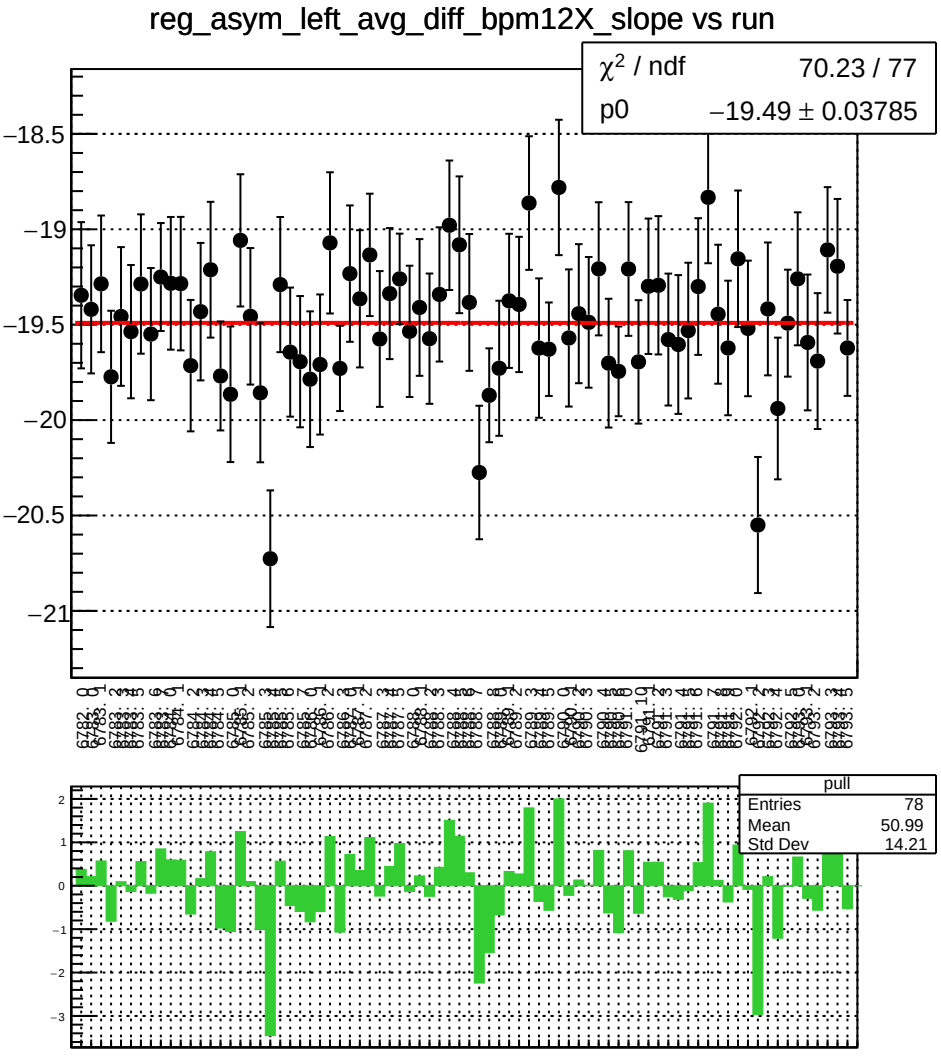

pull1D
Entries 78
Mean −0.02277
Std Dev 0.7307

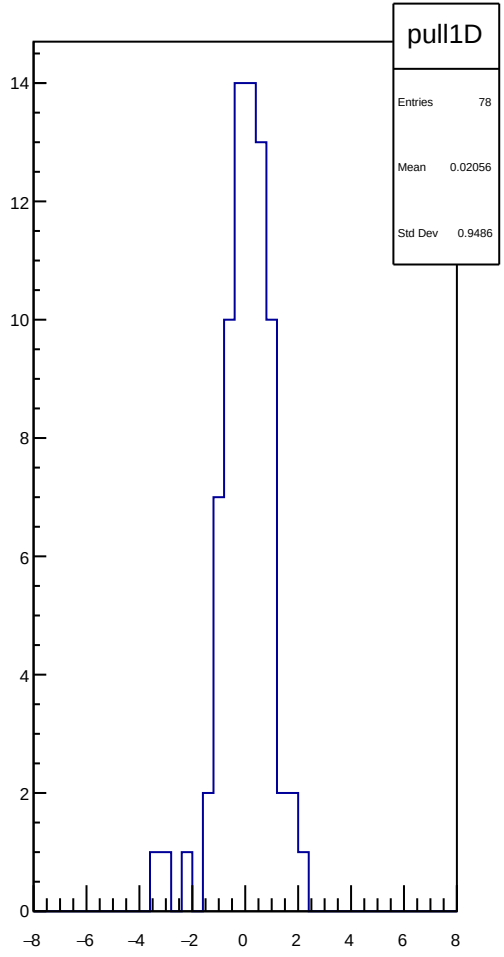

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 36.12 / 77
p0 6.231 ± 0.8045
pull
Entries 78
Mean −139.1
Std Dev 154.7

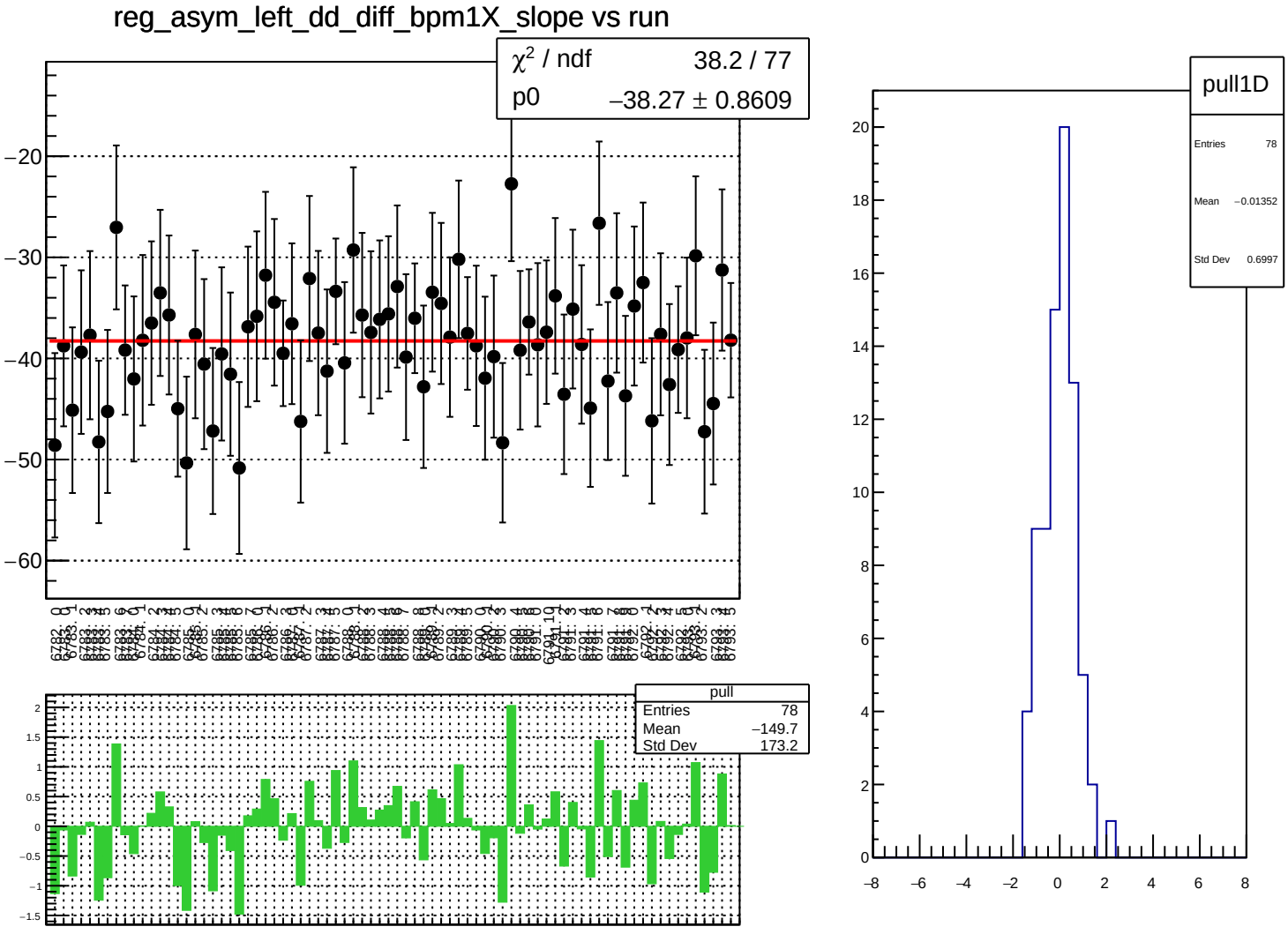

pull1D
Entries 78
Mean 0.01011
Std Dev 0.6804

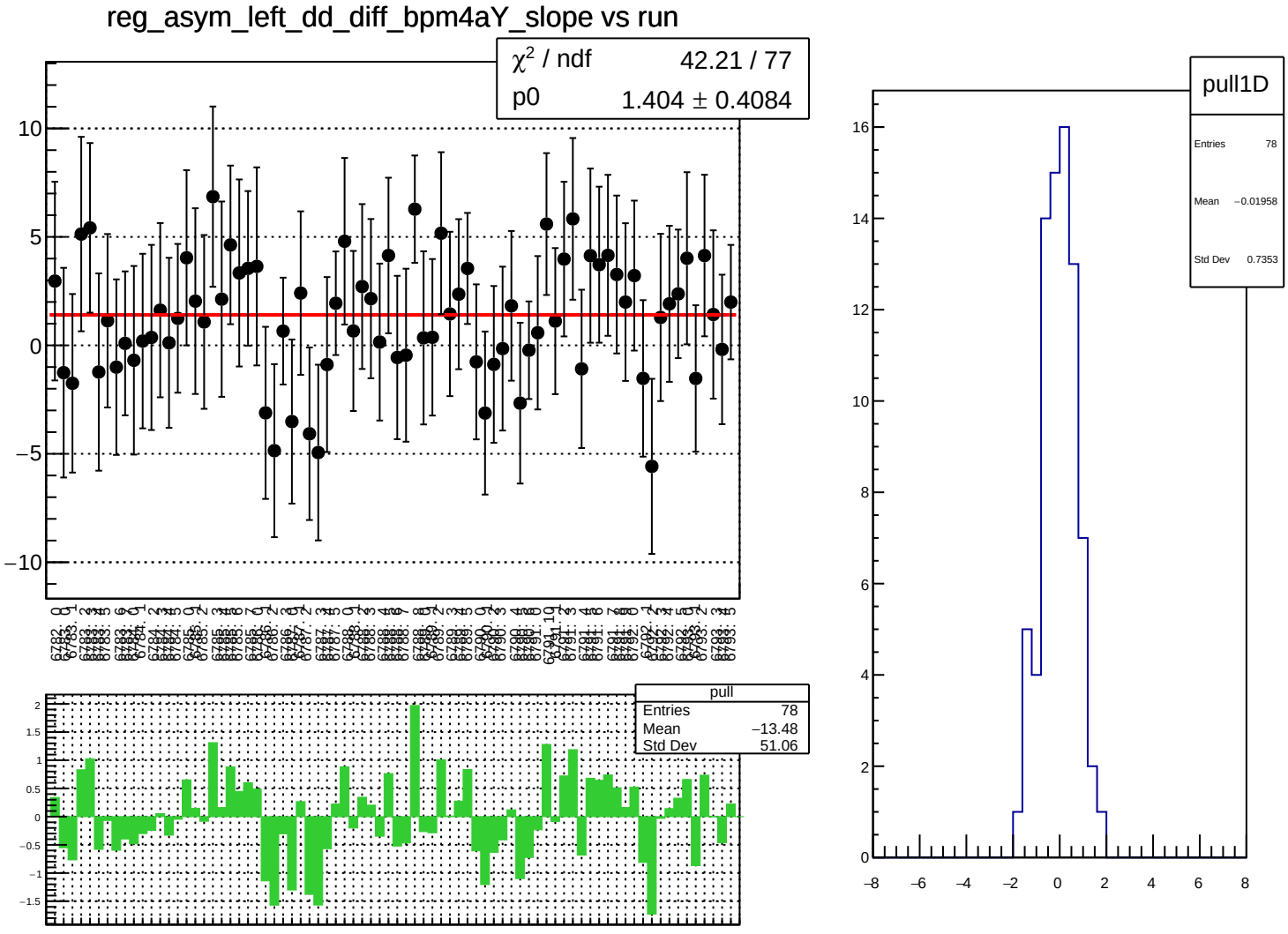

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 41.71 / 77
p0 8.256 ± 0.5631
pull
Entries 78
Mean −49.7
Std Dev 86.07

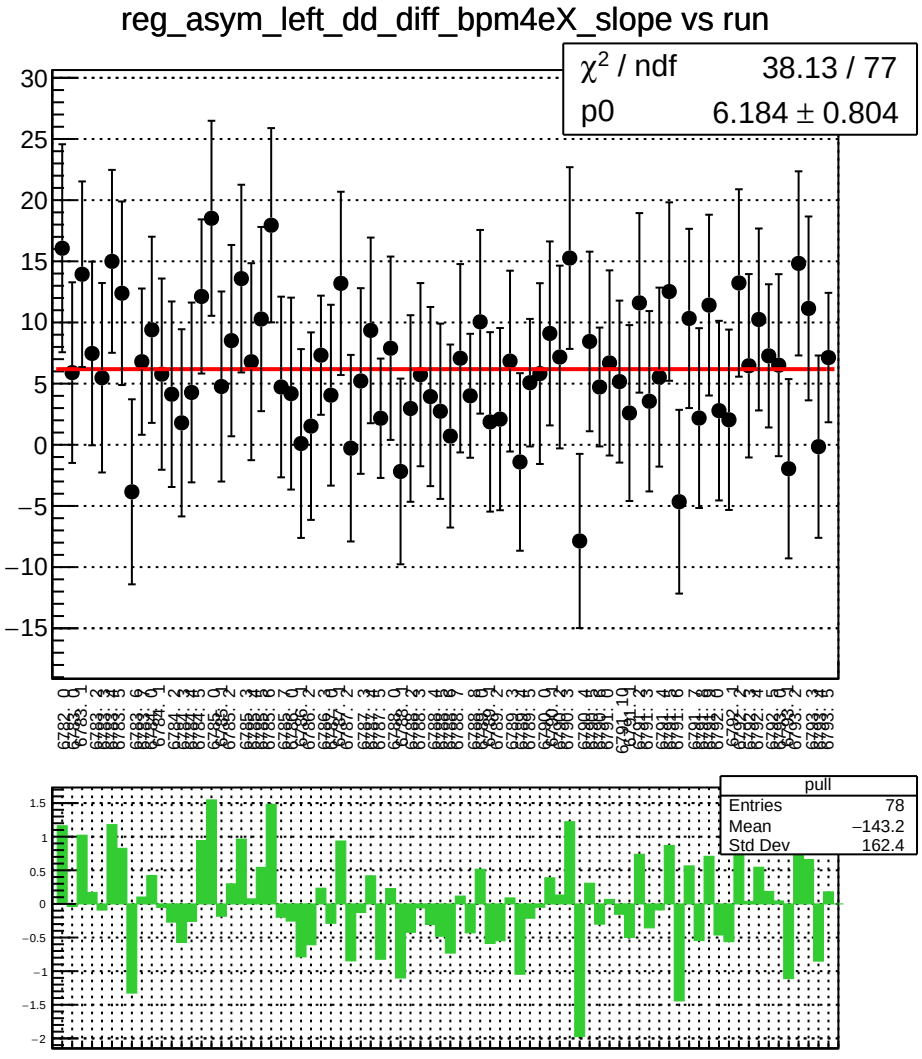

pull1D
Entries 78
Mean 0.02014
Std Dev 0.731

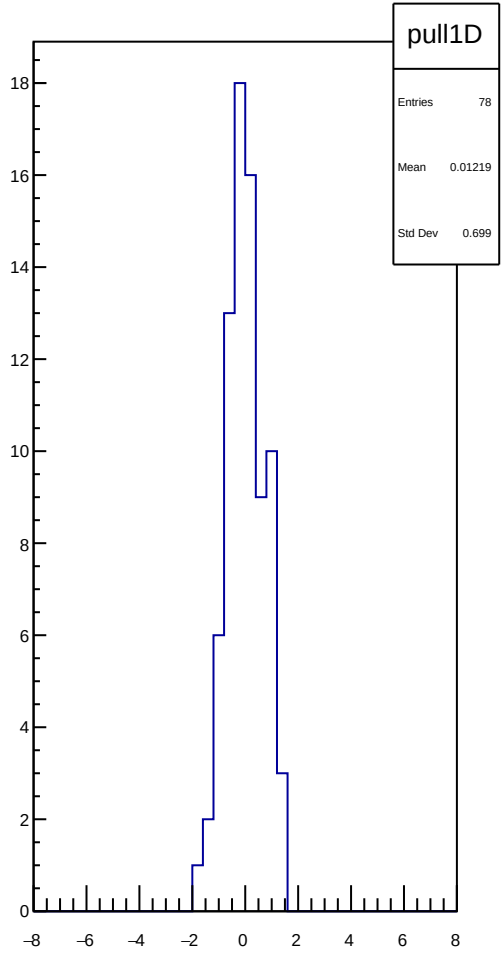

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 70.23 / 77
p0 −19.49 ± 0.03785
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 78
Mean 50.99
Std Dev 14.21
2
1
0
−1
−2
−3

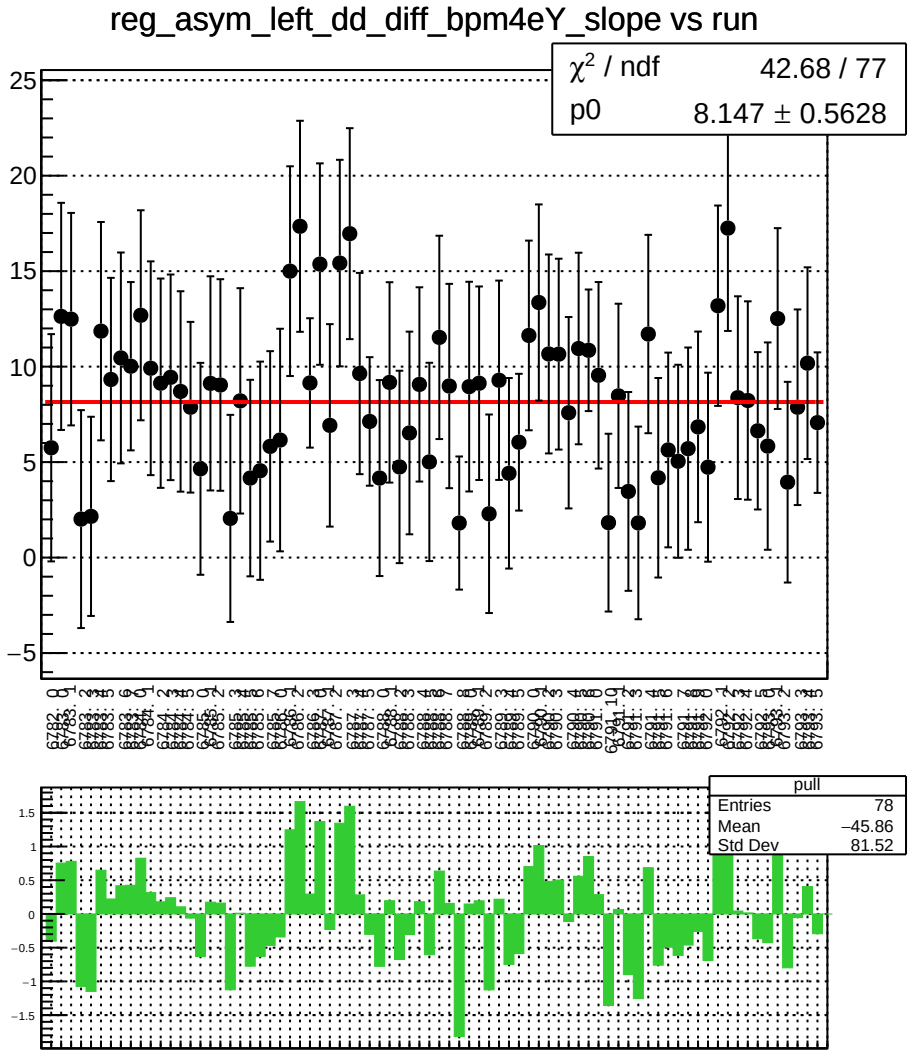

pull1D
Entries 78
Mean 0.02056
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

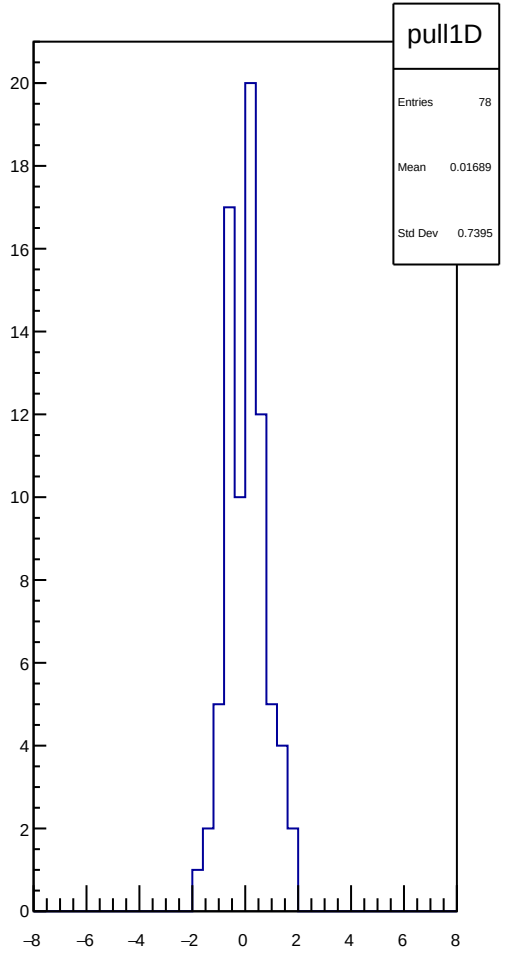

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 38.2 / 77
p0 −38.27 ± 0.8609
pull
Entries 78
Mean −149.7
Std Dev 173.2
pull1D
Entries 78
Mean −0.01352
Std Dev 0.6997

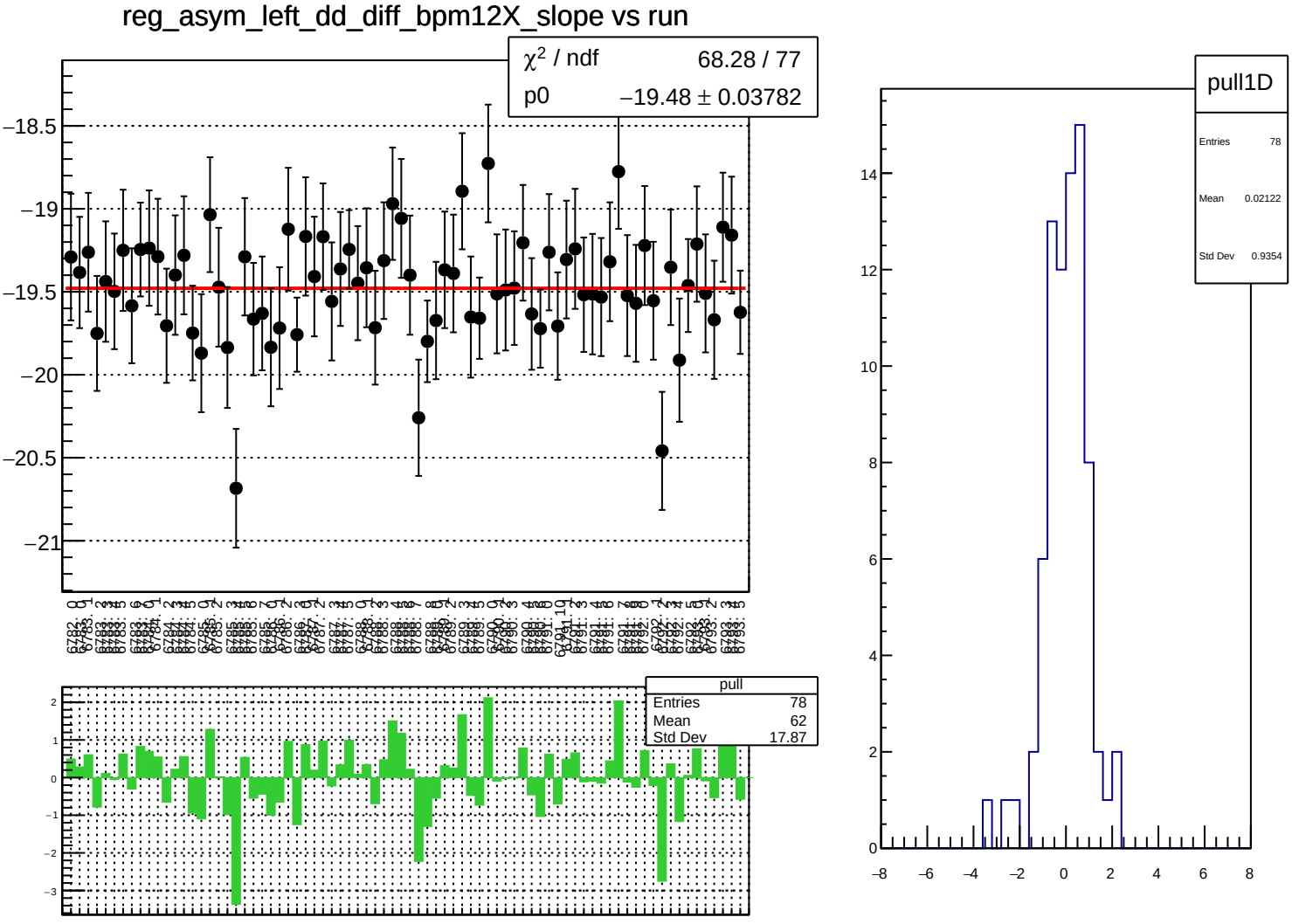

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 42.21 / 77
p0 1.404 ± 0.4084
pull
Entries 78
Mean −13.48
Std Dev 51.06
pull1D
Entries 78
Mean −0.01958
Std Dev 0.7353

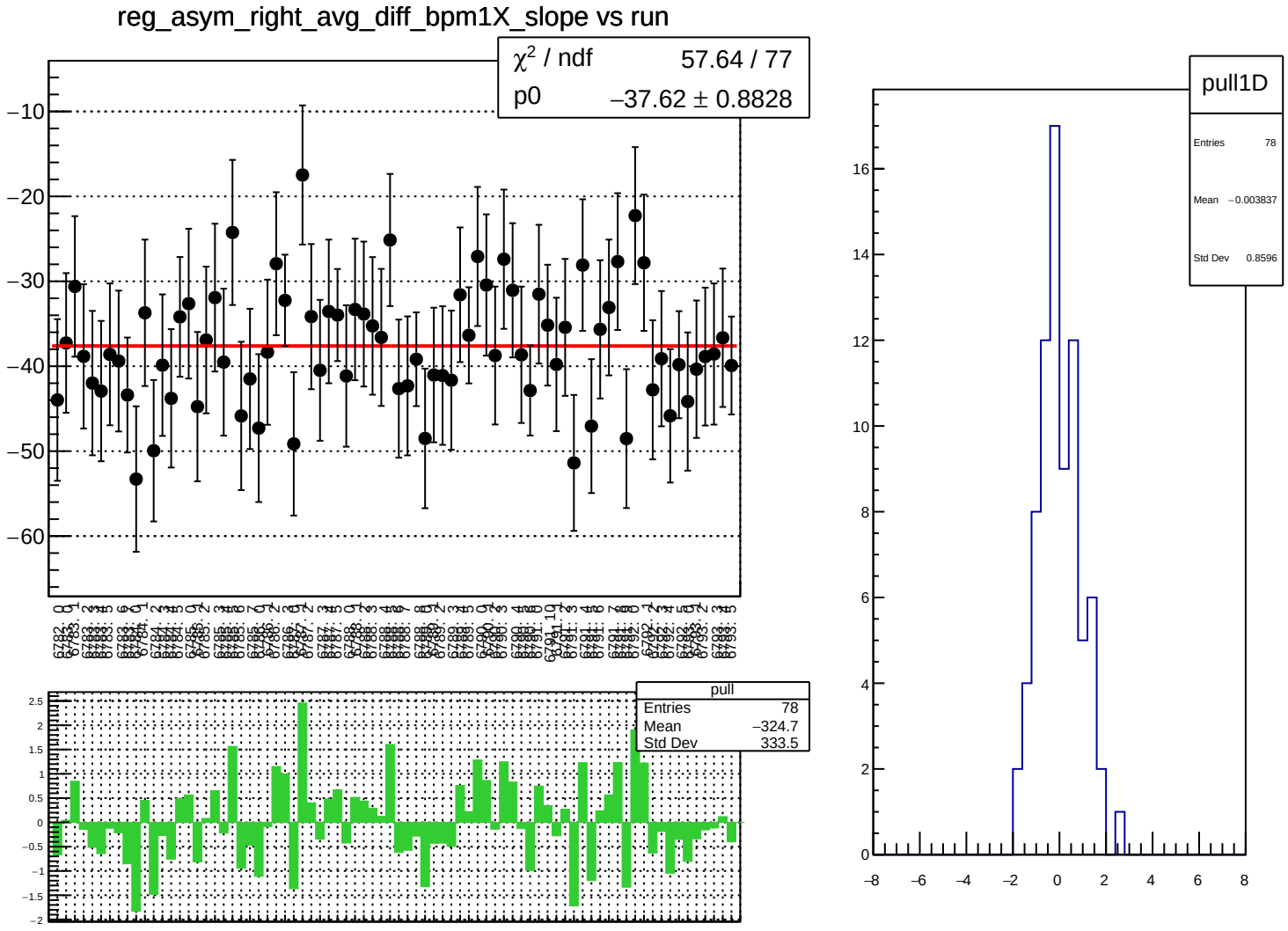

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 38.13 / 77
p0 6.184 ± 0.804
pull
Entries 78
Mean −143.2
Std Dev 162.4

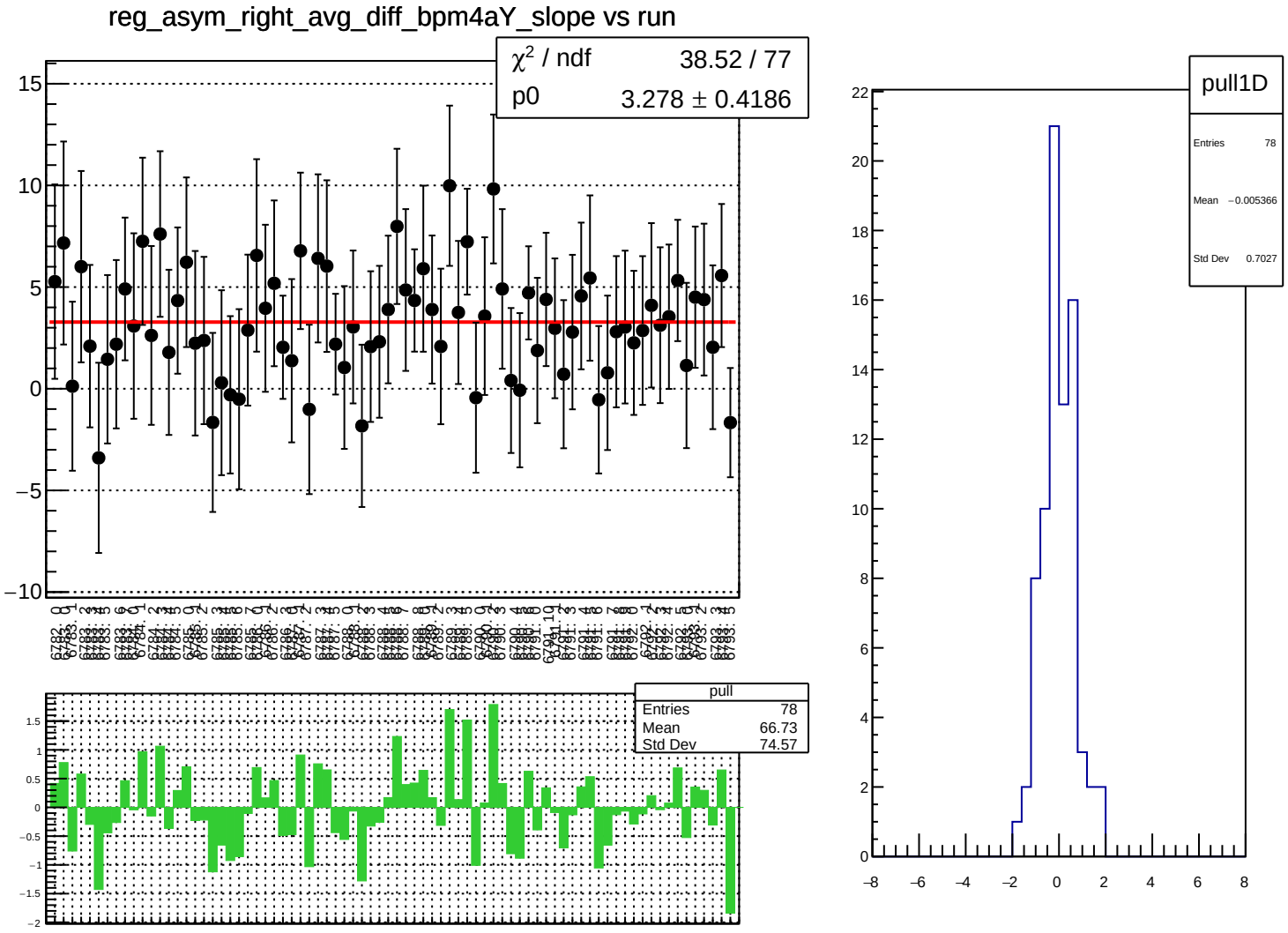

pull1D
Entries 78
Mean 0.01219
Std Dev 0.699

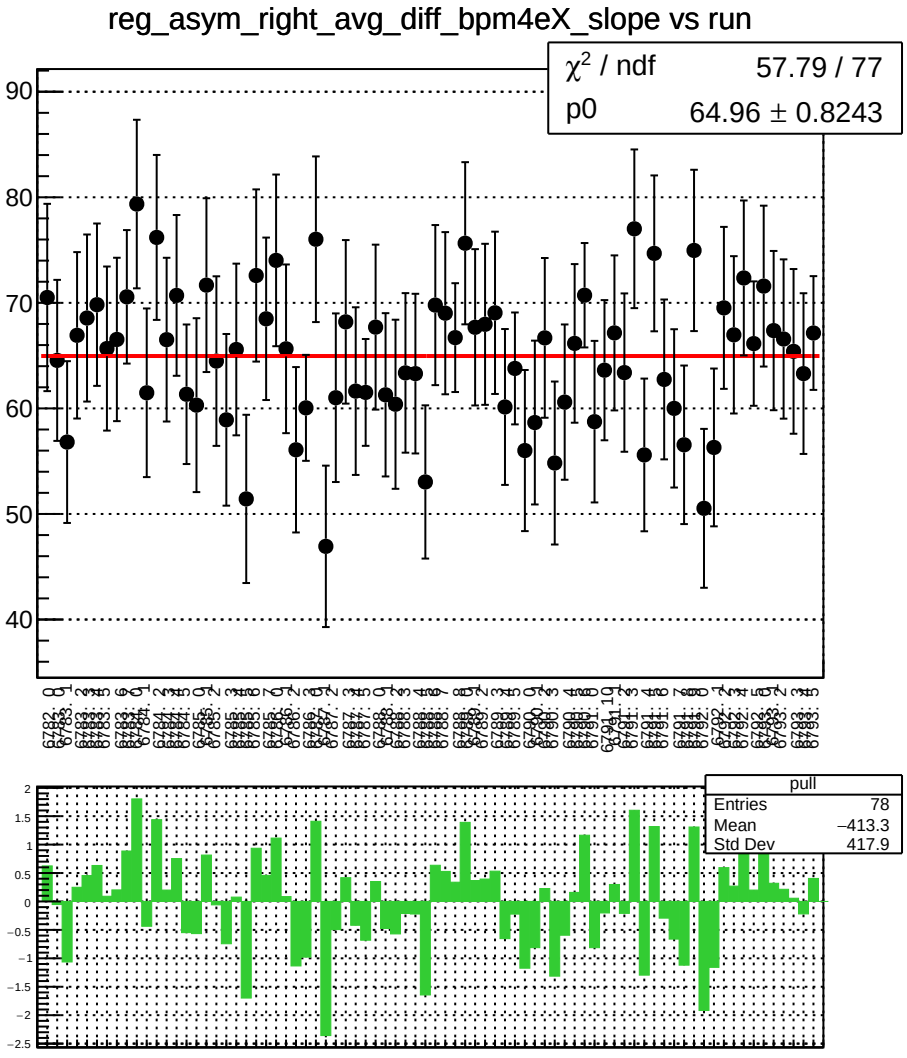

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 42.68 / 77
p0 8.147 ± 0.5628
pull
Entries 78
Mean −45.86
Std Dev 81.52

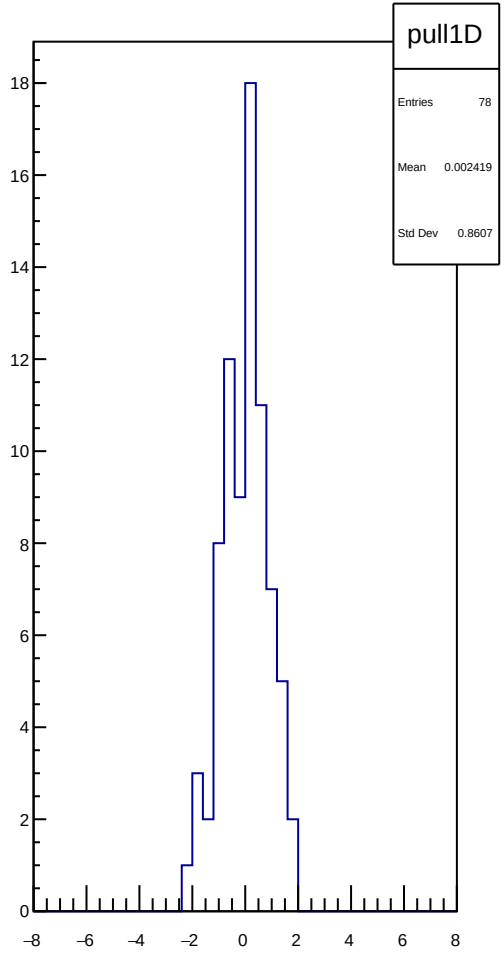

pull1D
Entries 78
Mean 0.01689
Std Dev 0.7395

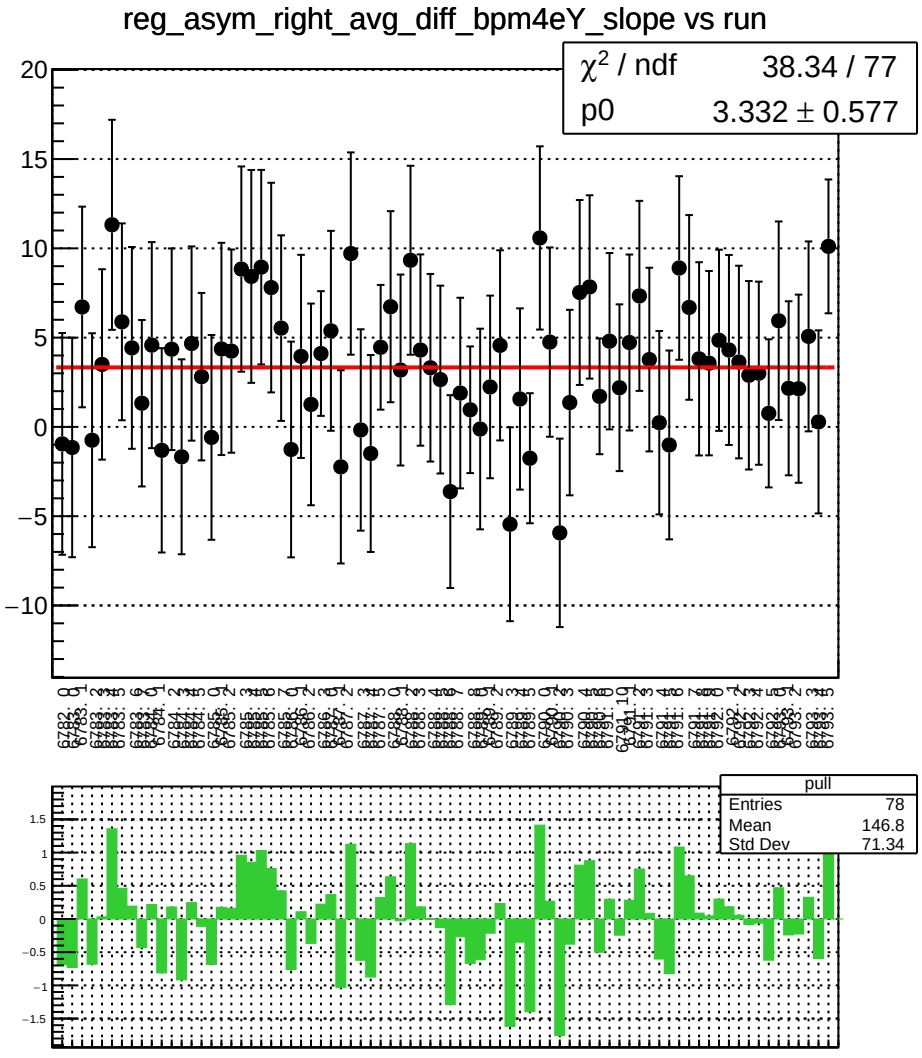

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 68.28 / 77
p0 −19.48 ± 0.03782
pull
Entries 78
Mean 62
Std Dev 17.87
pull1D
Entries 78
Mean 0.02122
Std Dev 0.9354

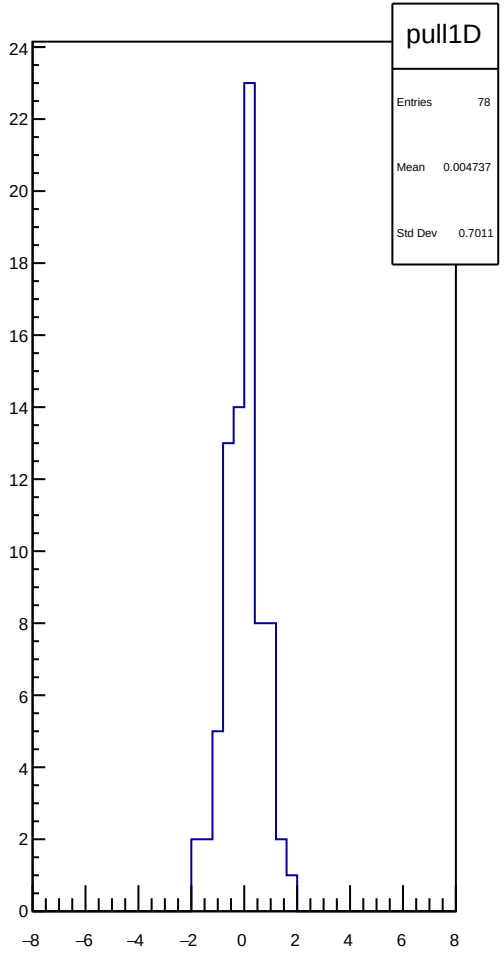

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 57.64 / 77
p0 −37.62 ± 0.8828
pull
Entries 78
Mean −324.7
Std Dev 333.5
pull1D
Entries 78
Mean −0.003837
Std Dev 0.8596

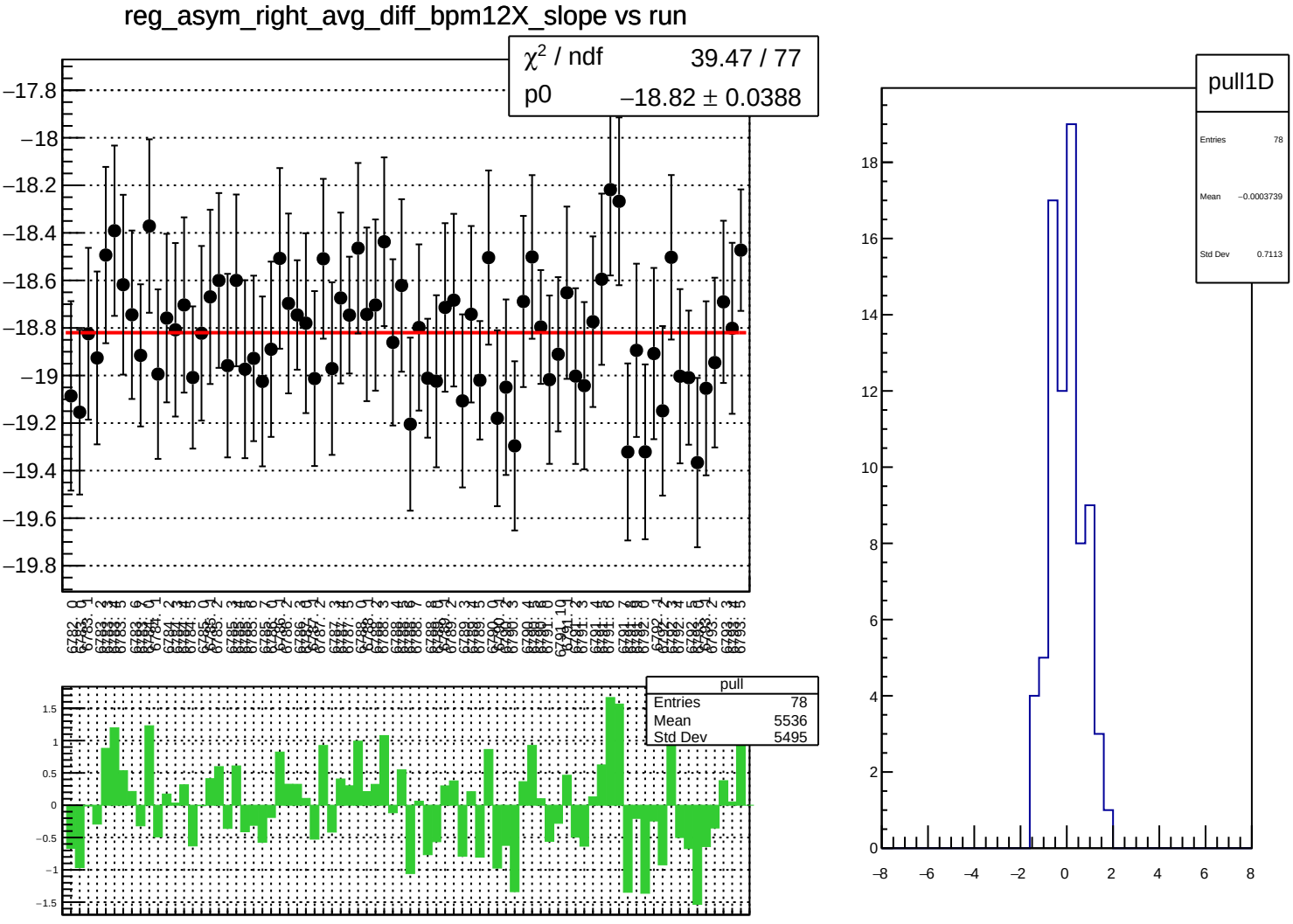

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.52 / 77
p0 3.278 ± 0.4186
pull
Entries 78
Mean 66.73
Std Dev 74.57
pull1D
Entries 78
Mean −0.005366
Std Dev 0.7027

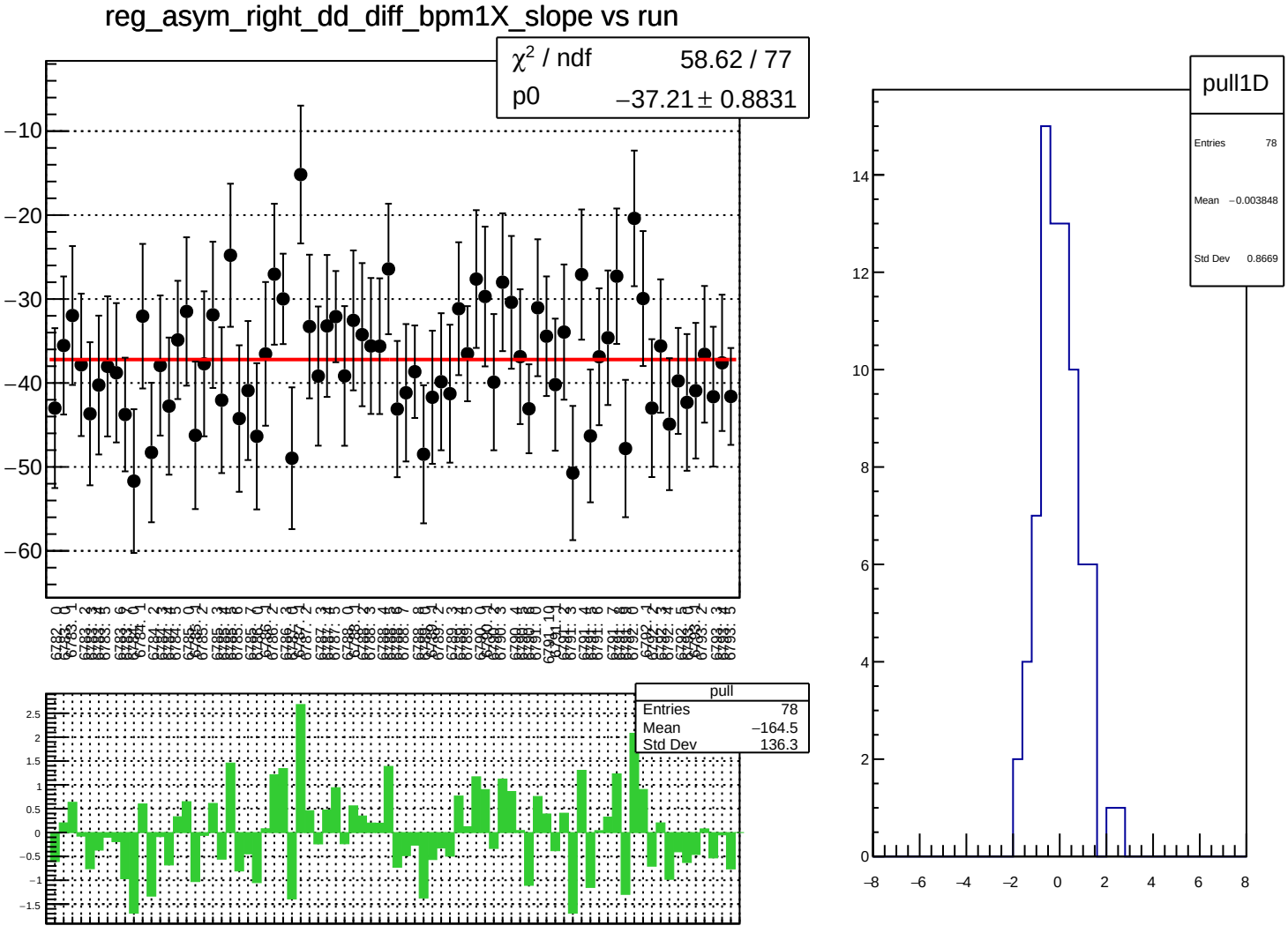

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 57.79 / 77
p0 64.96 ± 0.8243
pull
Entries 78
Mean −413.3
Std Dev 417.9

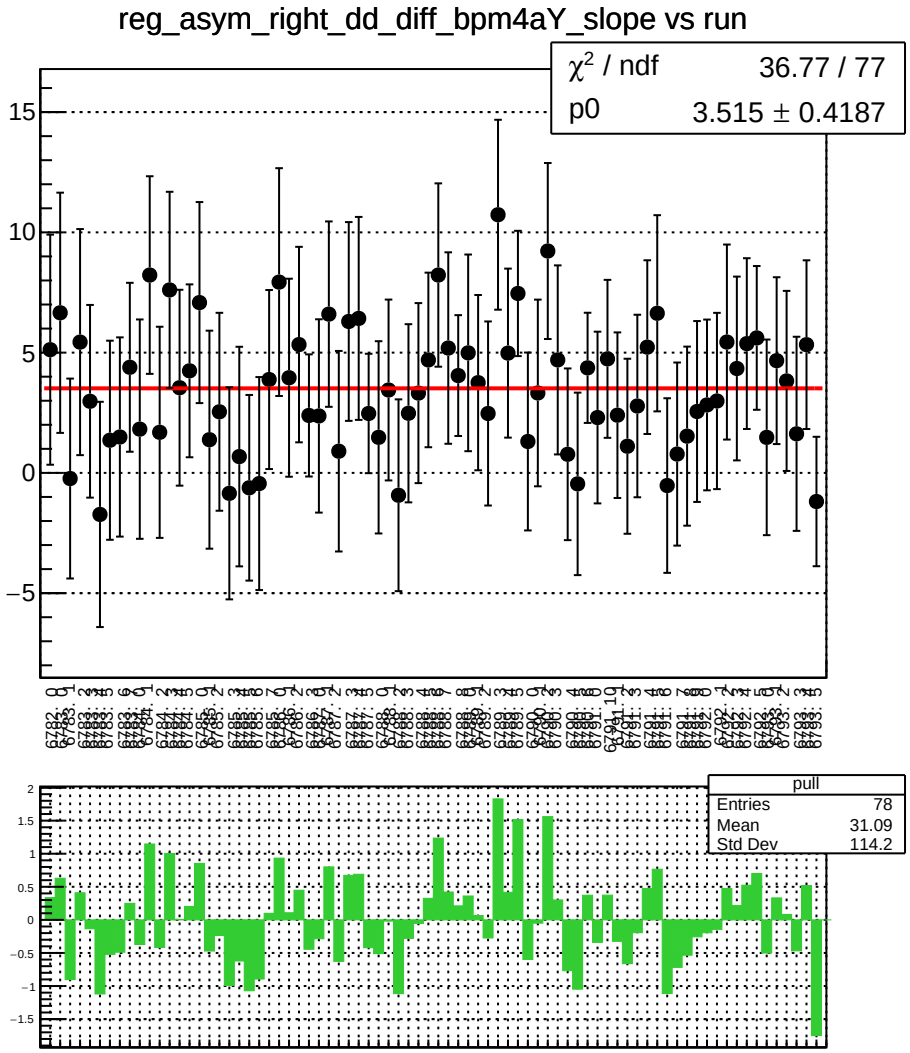

pull1D
Entries 78
Mean 0.002419
Std Dev 0.8607

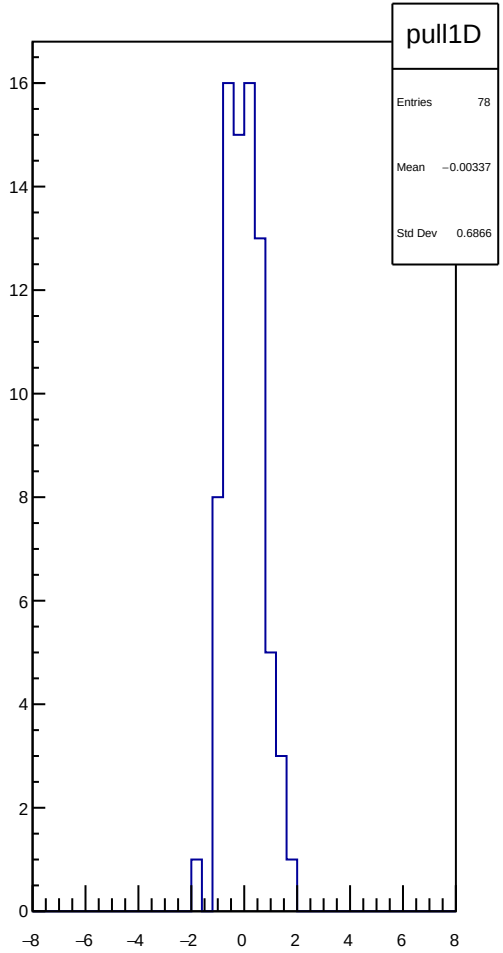

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 38.34 / 77
p0 3.332 ± 0.577
pull
Entries 78
Mean 146.8
Std Dev 71.34

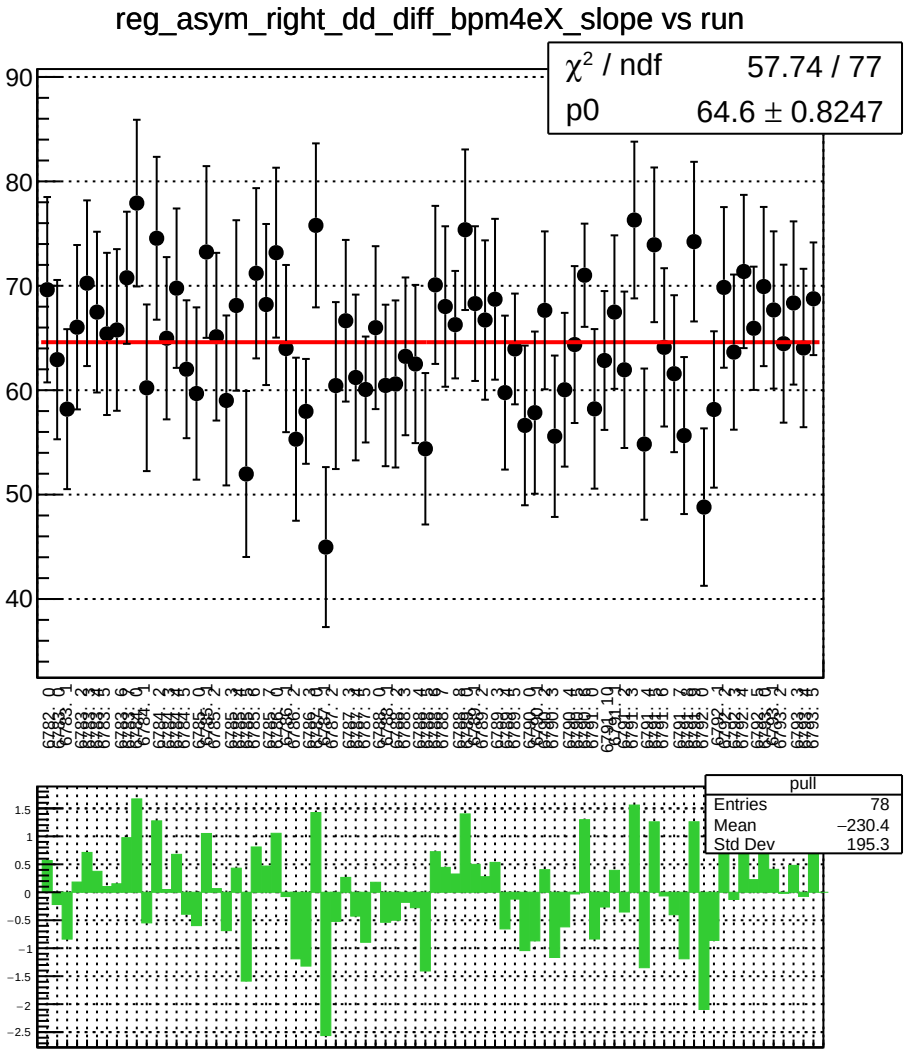

pull1D
Entries 78
Mean 0.004737
Std Dev 0.7011

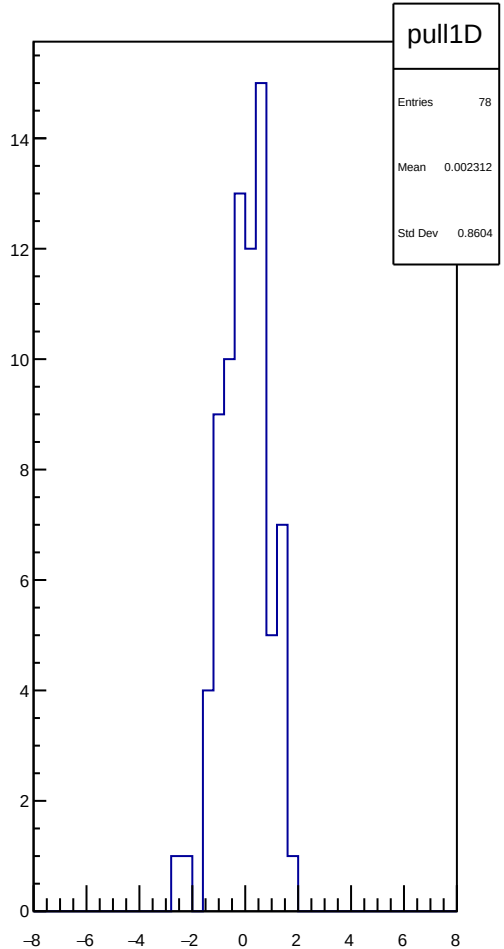

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 39.47 / 77
p0 −18.82 ± 0.0388
pull
Entries 78
Mean 5536
Std Dev 5495
pull1D
Entries 78
Mean −0.0003739
Std Dev 0.7113

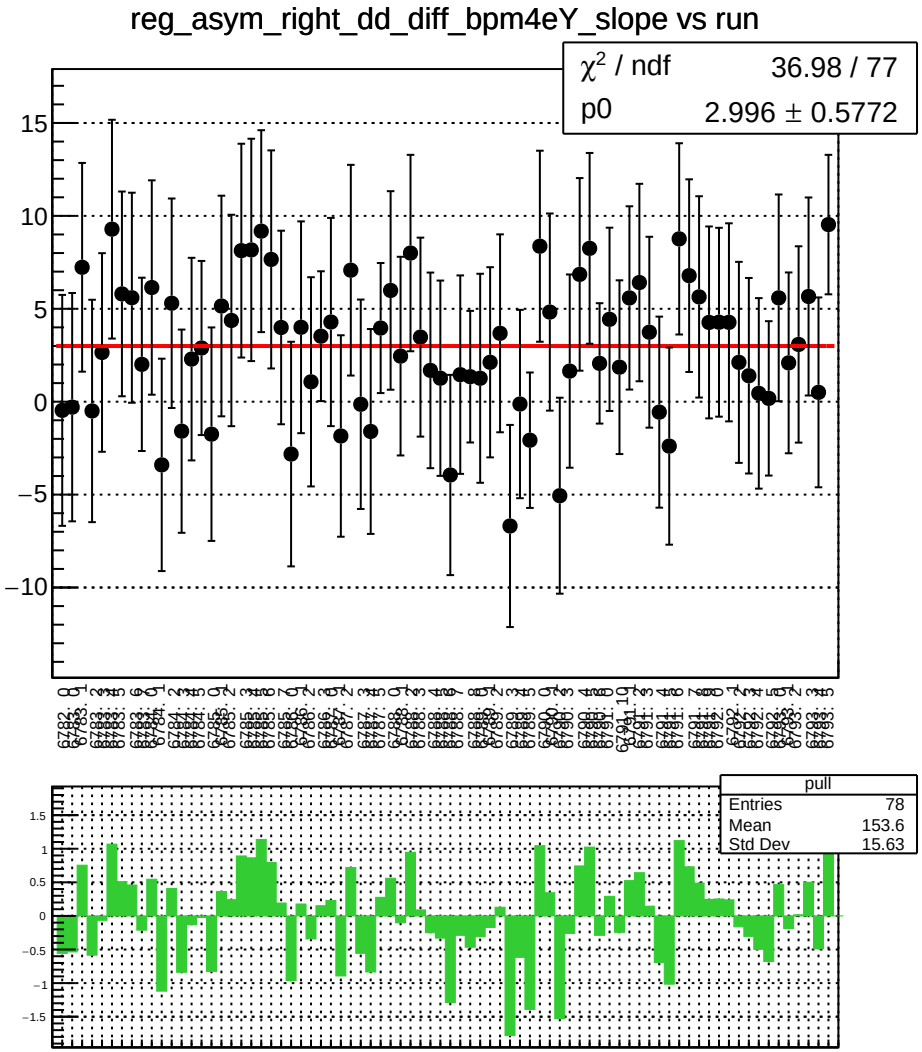

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 58.62 / 77
p0 −37.21 ± 0.8831
pull
Entries 78
Mean −164.5
Std Dev 136.3
pull1D
Entries 78
Mean −0.003848
Std Dev 0.8669

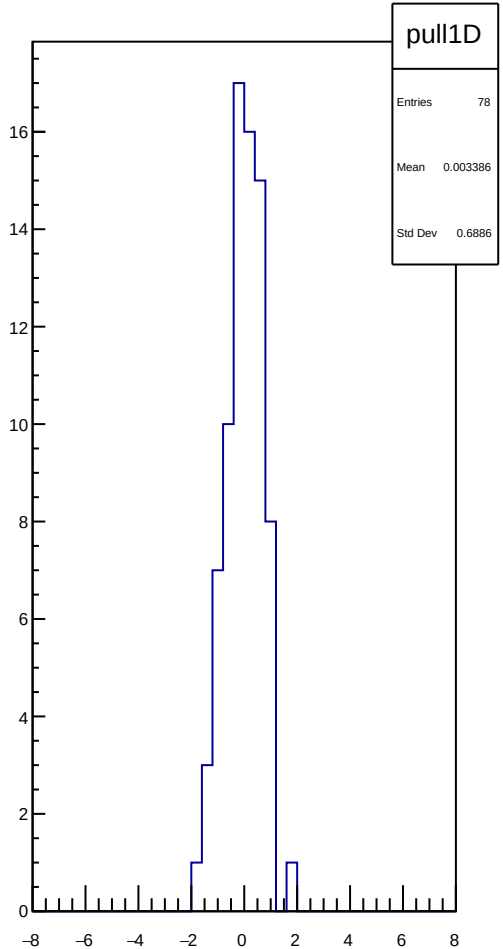

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 36.77 / 77
p0 3.515 ± 0.4187
pull
Entries 78
Mean 31.09
Std Dev 114.2

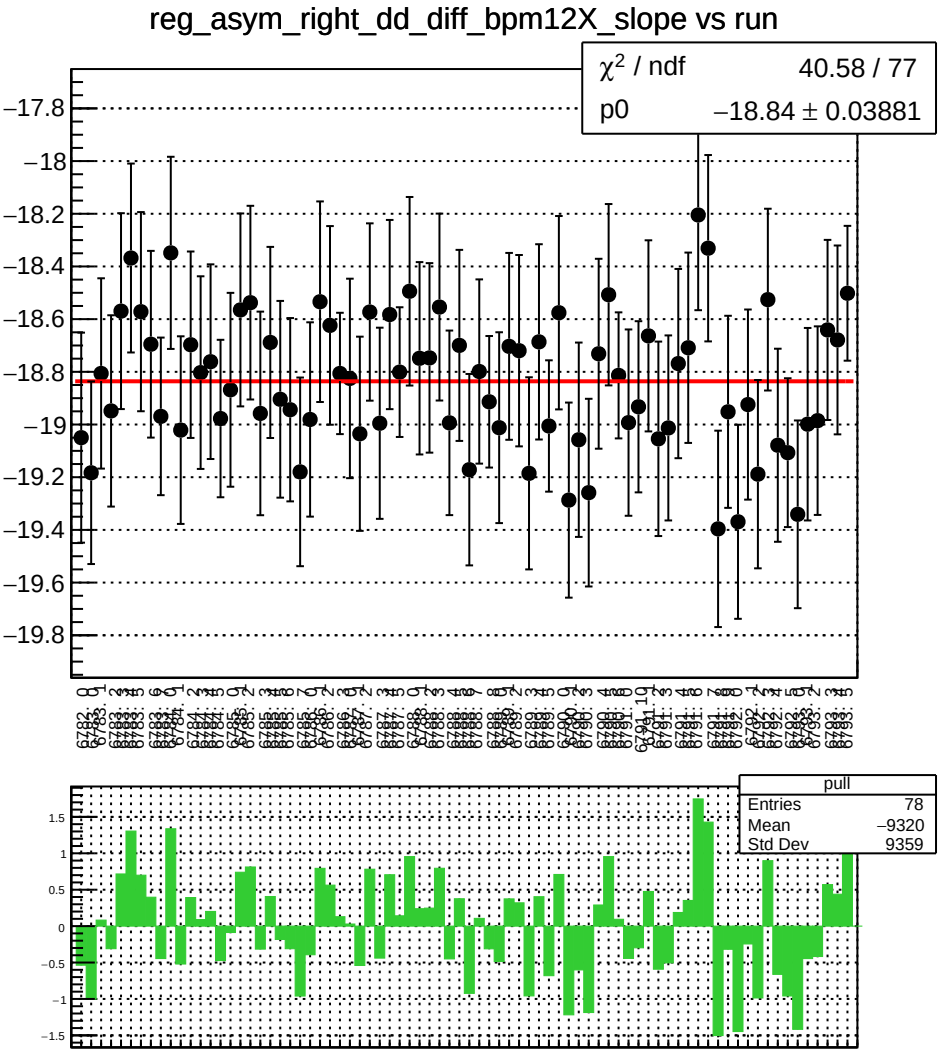

pull1D
Entries 78
Mean −0.00337
Std Dev 0.6866

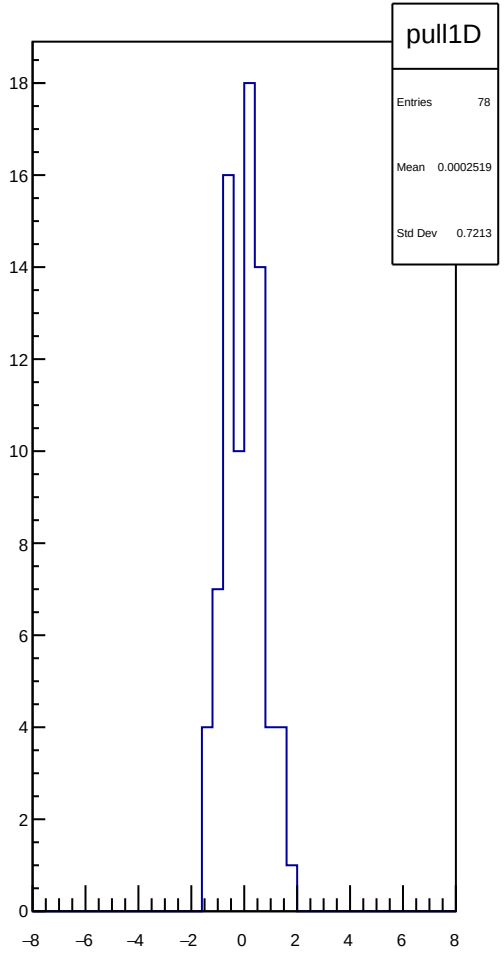

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.74 / 77
p0 64.6 ± 0.8247
pull
Entries 78
Mean −230.4
Std Dev 195.3

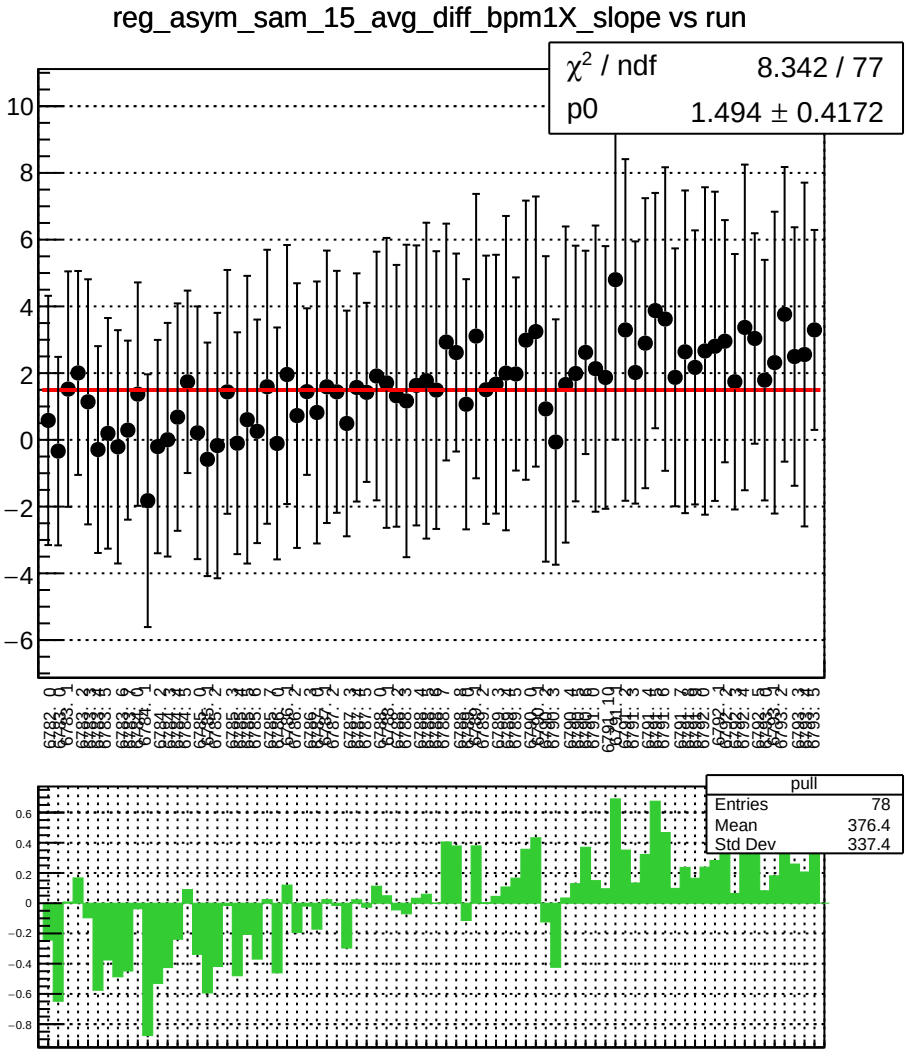

pull1D
Entries 78
Mean 0.002312
Std Dev 0.8604

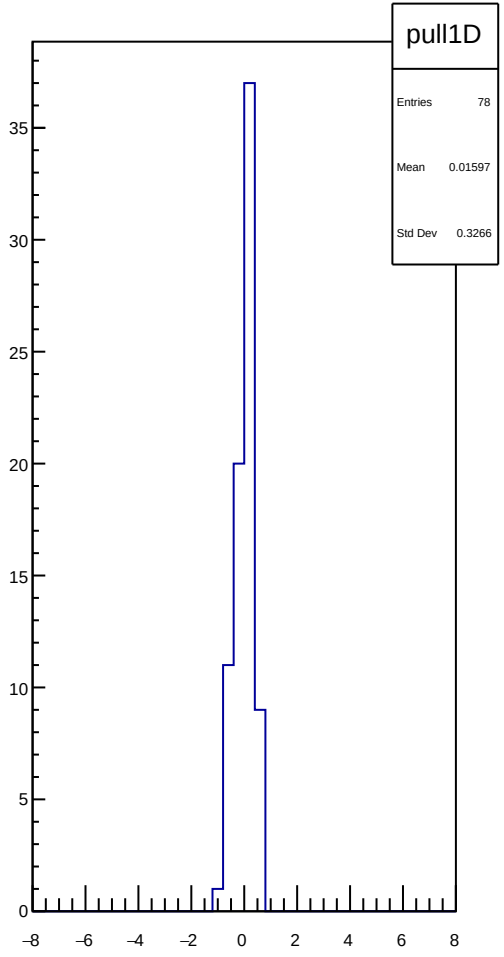

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 36.98 / 77
p0 2.996 ± 0.5772
pull
Entries 78
Mean 153.6
Std Dev 15.63


pull1D
Entries 78
Mean 0.003386
Std Dev 0.6886

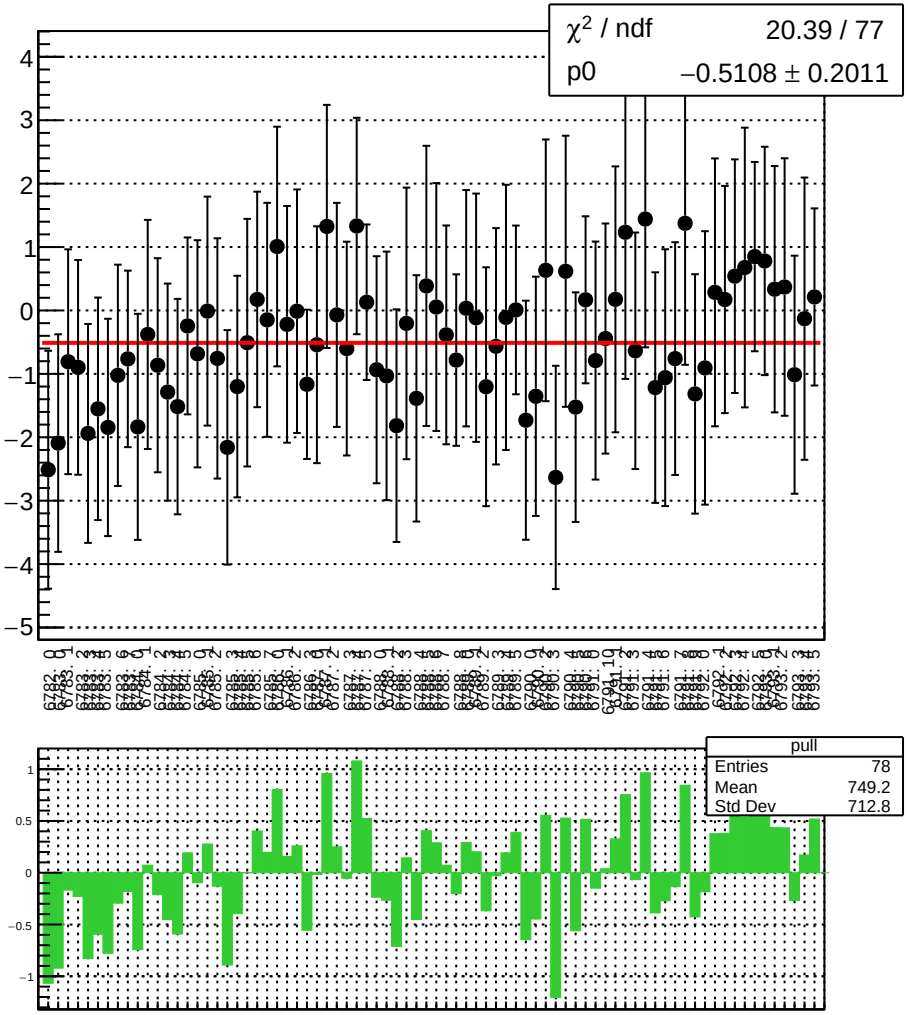

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 40.58 / 77
p0 −18.84 ± 0.03881
pull
Entries 78
Mean −9320
Std Dev 9359

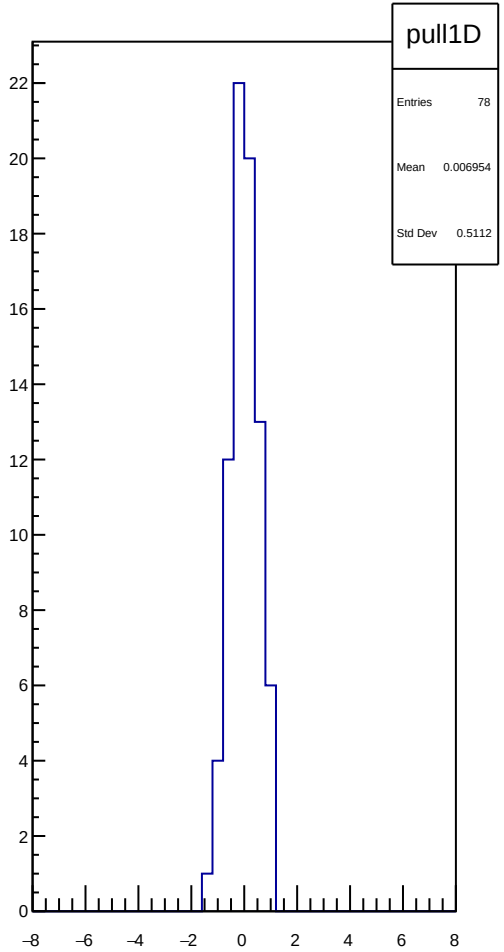

pull1D
Entries 78
Mean 0.0002519
Std Dev 0.7213

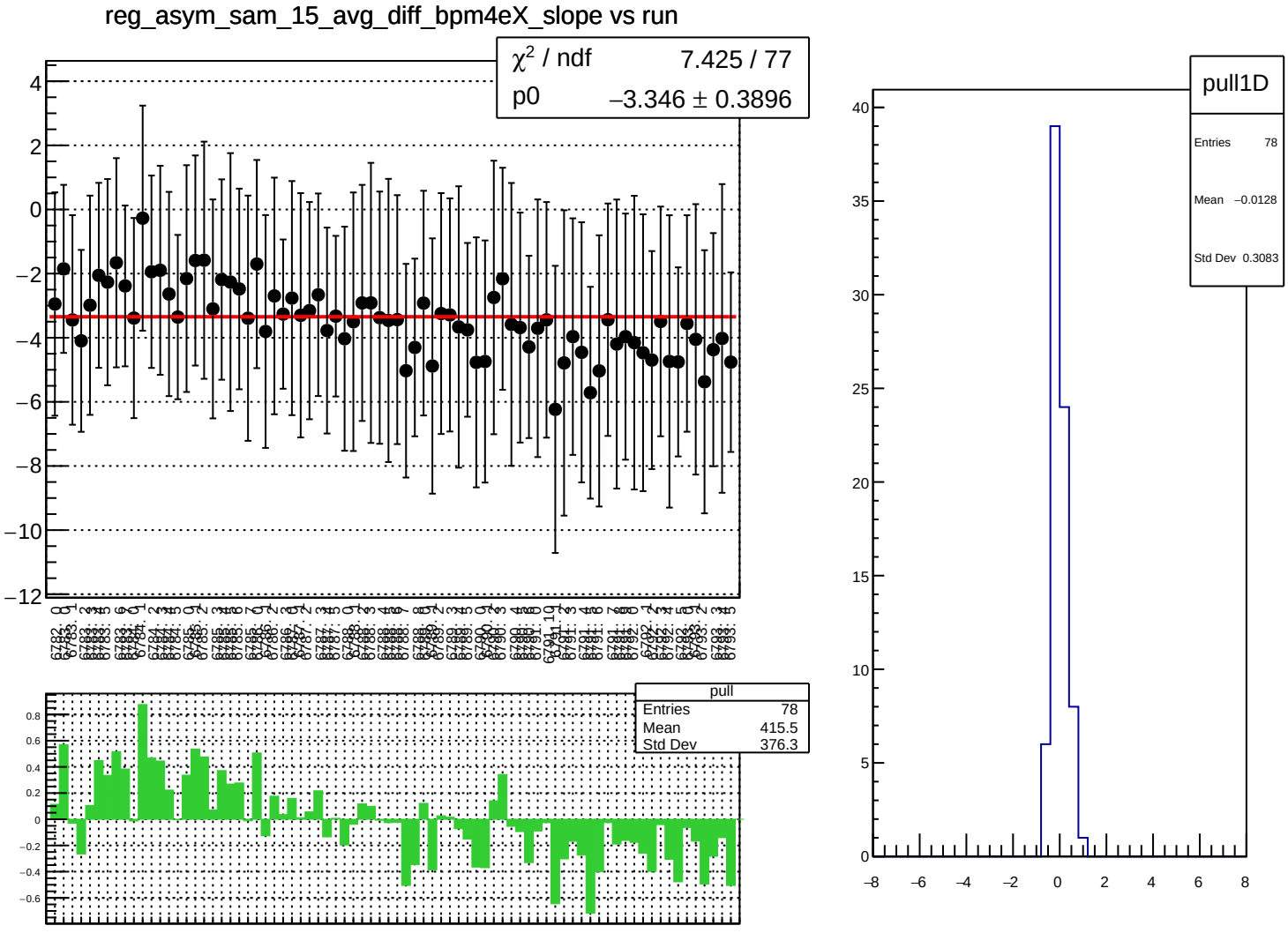

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.342 / 77
p0 1.494 ± 0.4172
pull
Entries 78
Mean 376.4
Std Dev 337.4

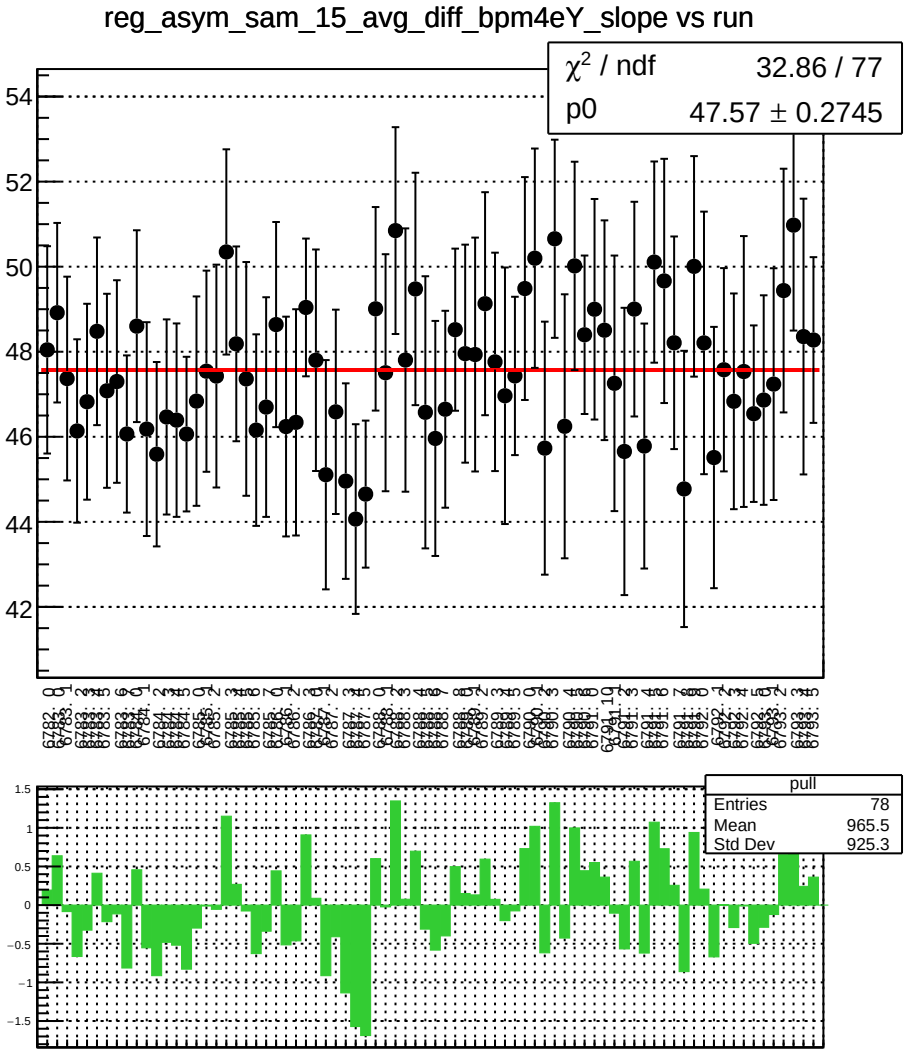

pull1D
Entries 78
Mean 0.01597
Std Dev 0.3266

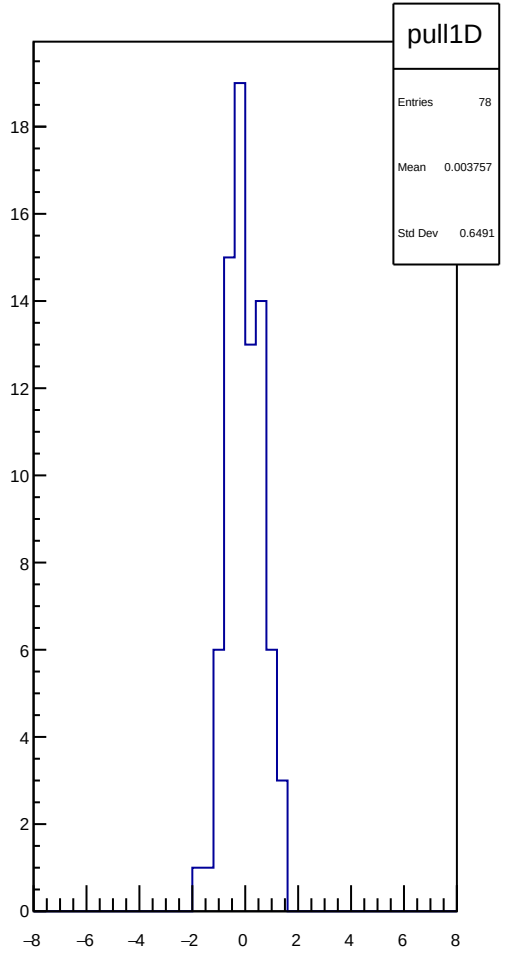
reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

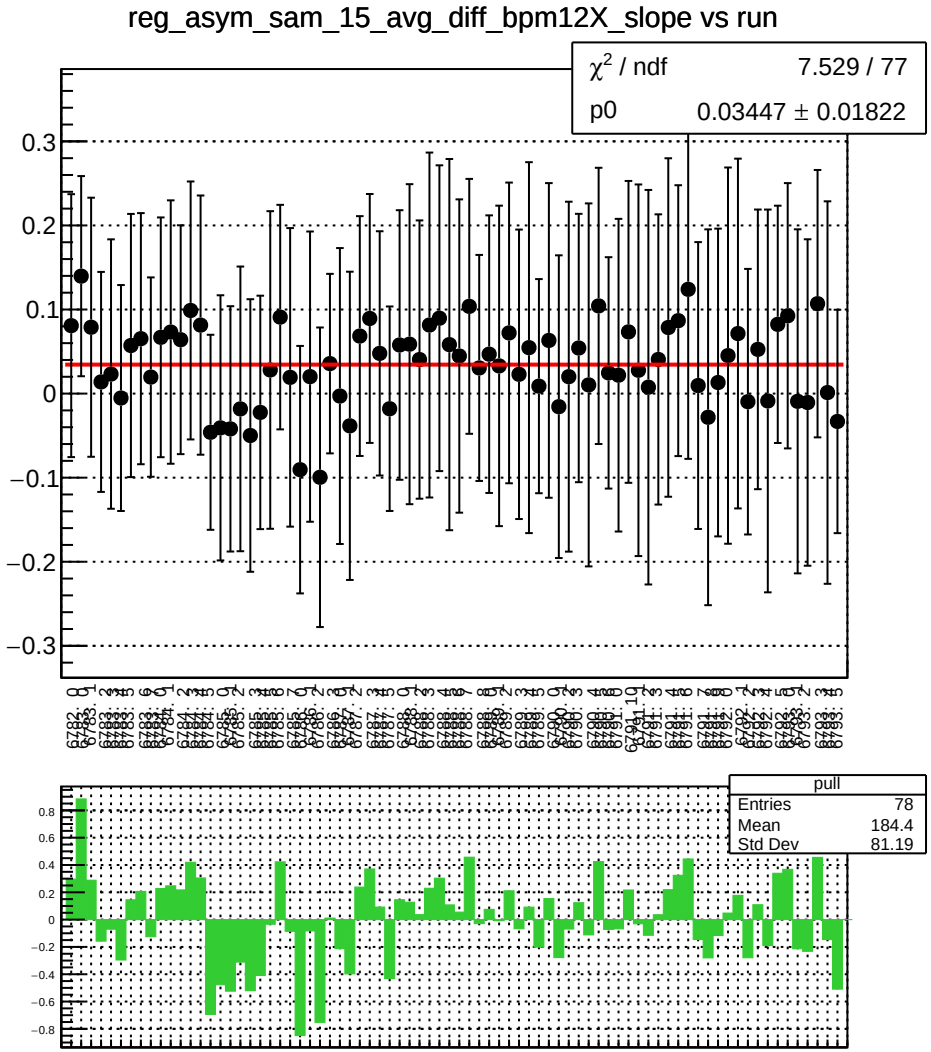


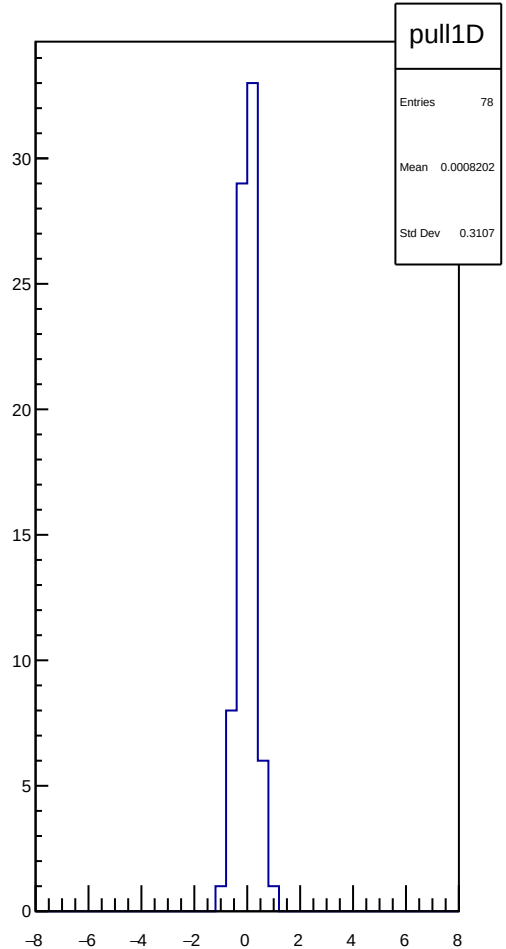


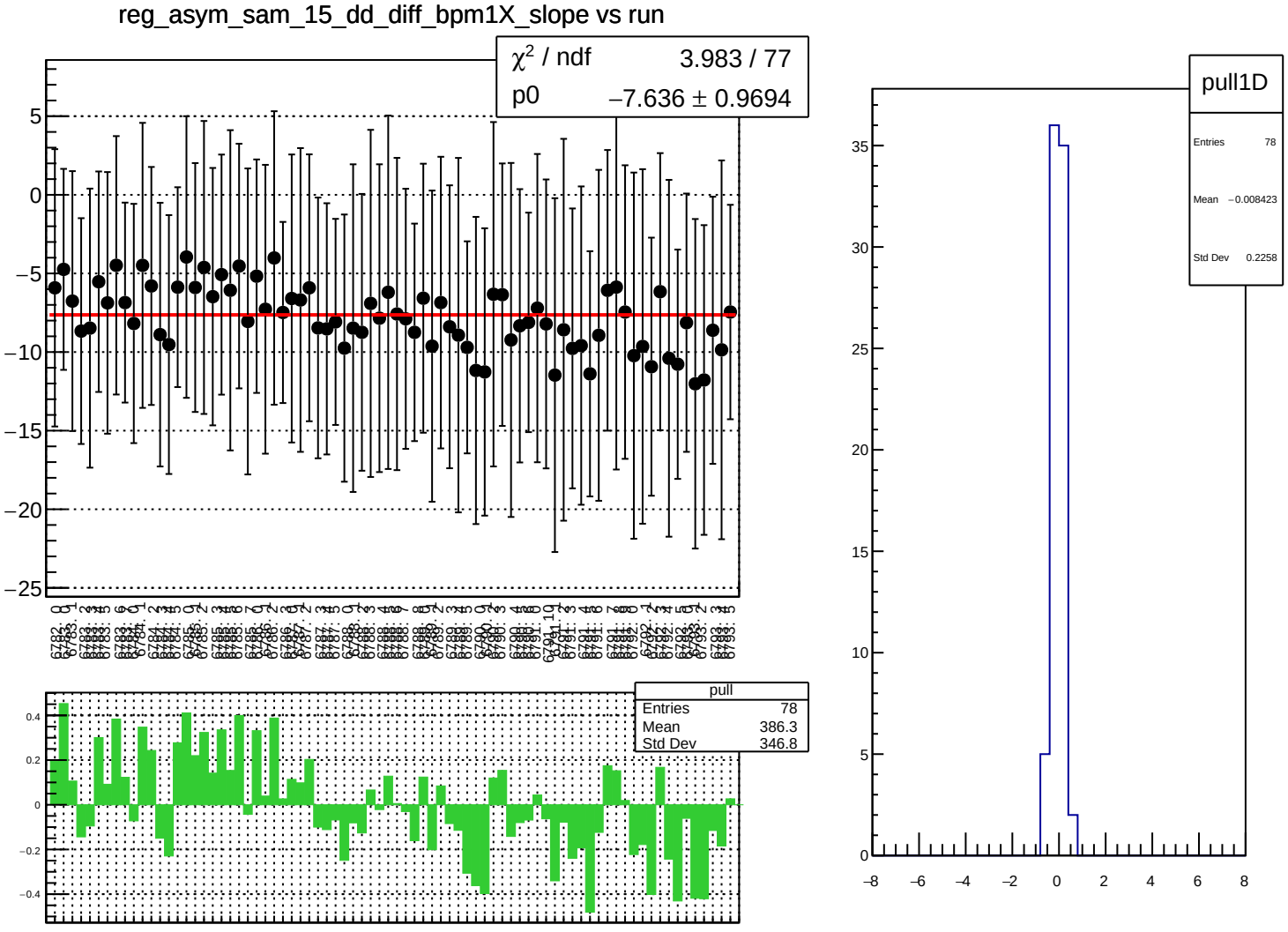

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.425 / 77
p0 −3.346 ± 0.3896
pull
Entries 78
Mean 415.5
Std Dev 376.3
pull1D
Entries 78
Mean −0.0128
Std Dev 0.3083

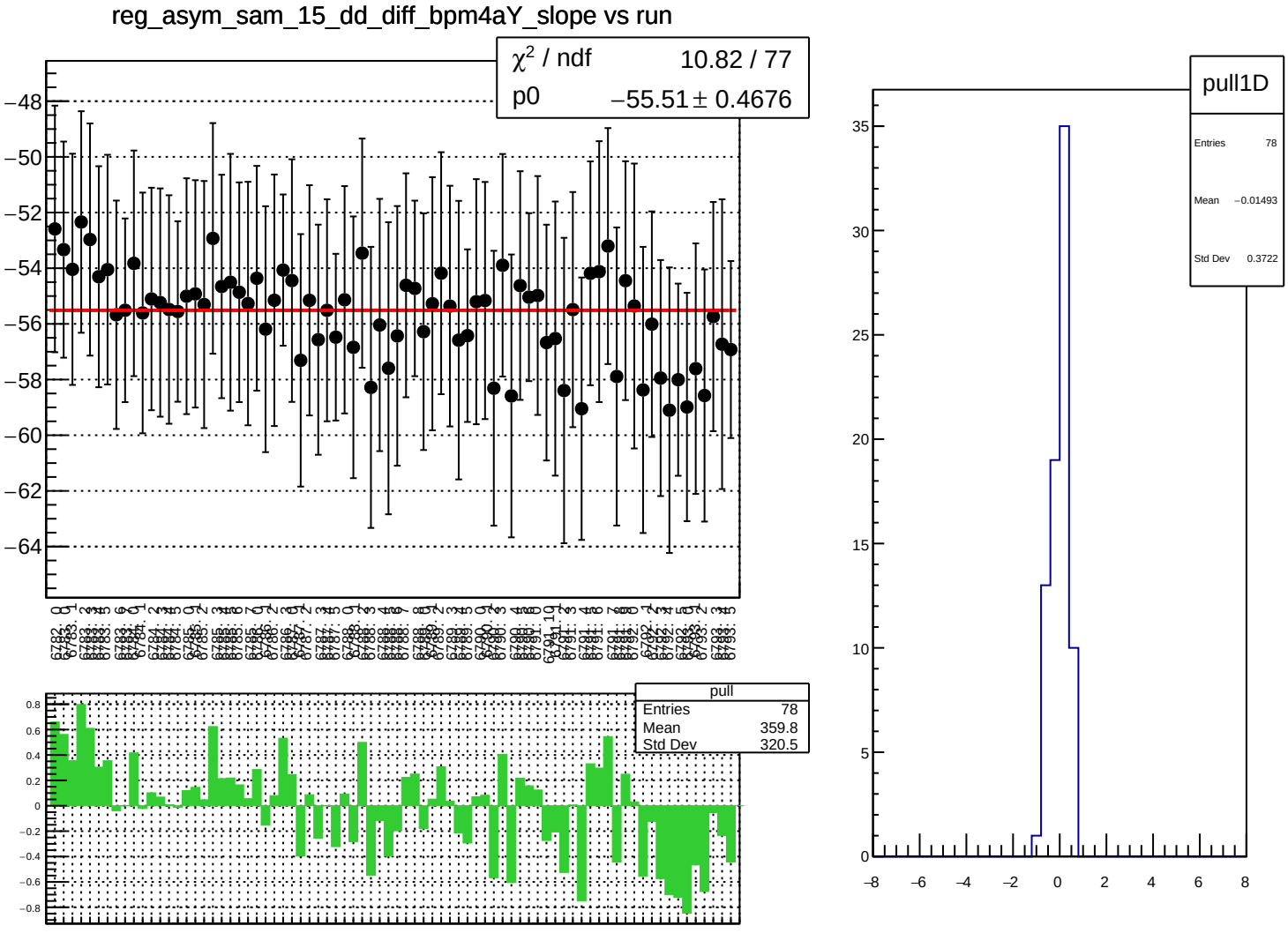

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 32.86 / 77
p0 47.57 ± 0.2745
pull
Entries 78
Mean 965.5
Std Dev 925.3

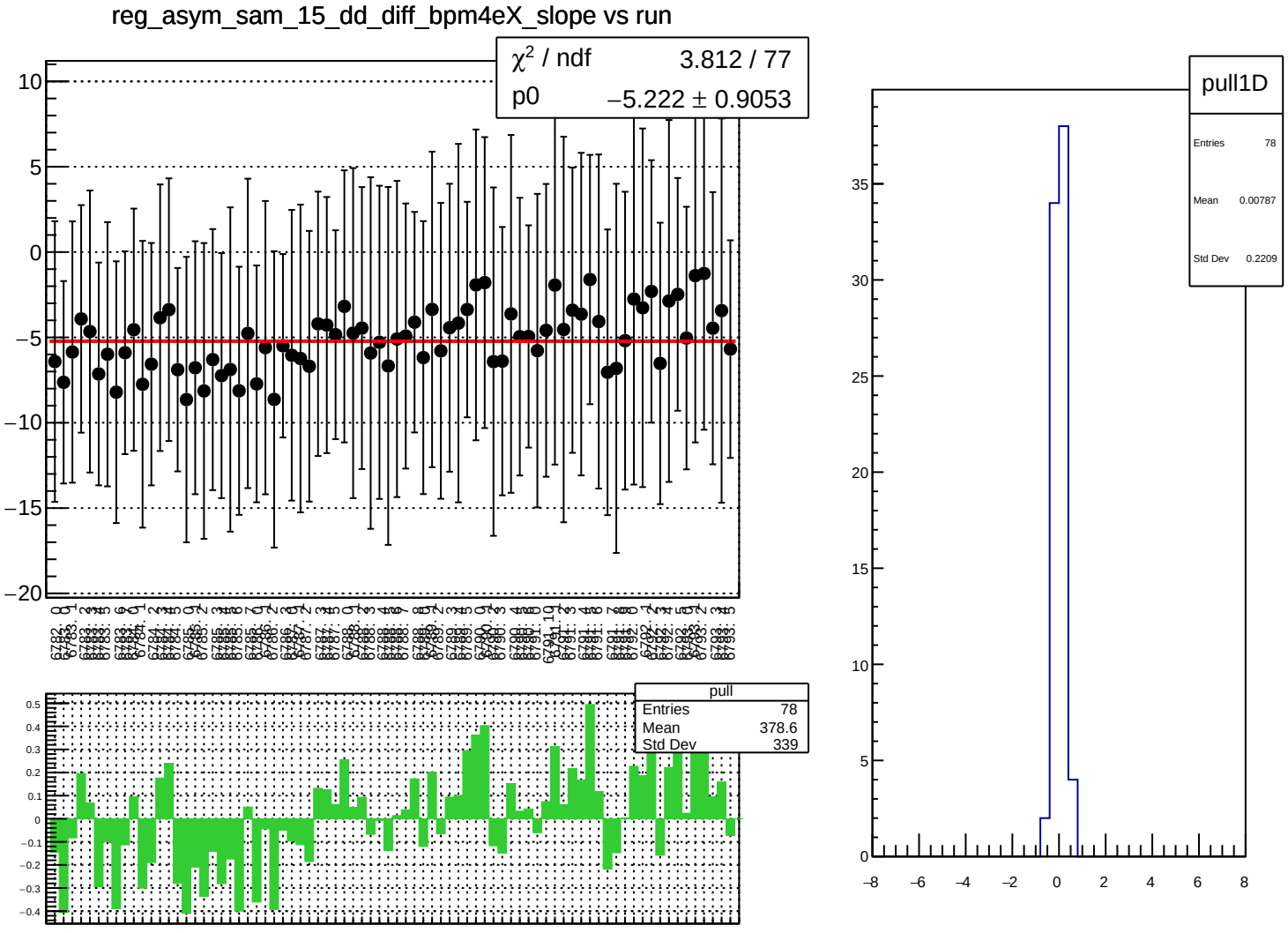

pull1D
Entries 78
Mean 0.003757
Std Dev 0.6491

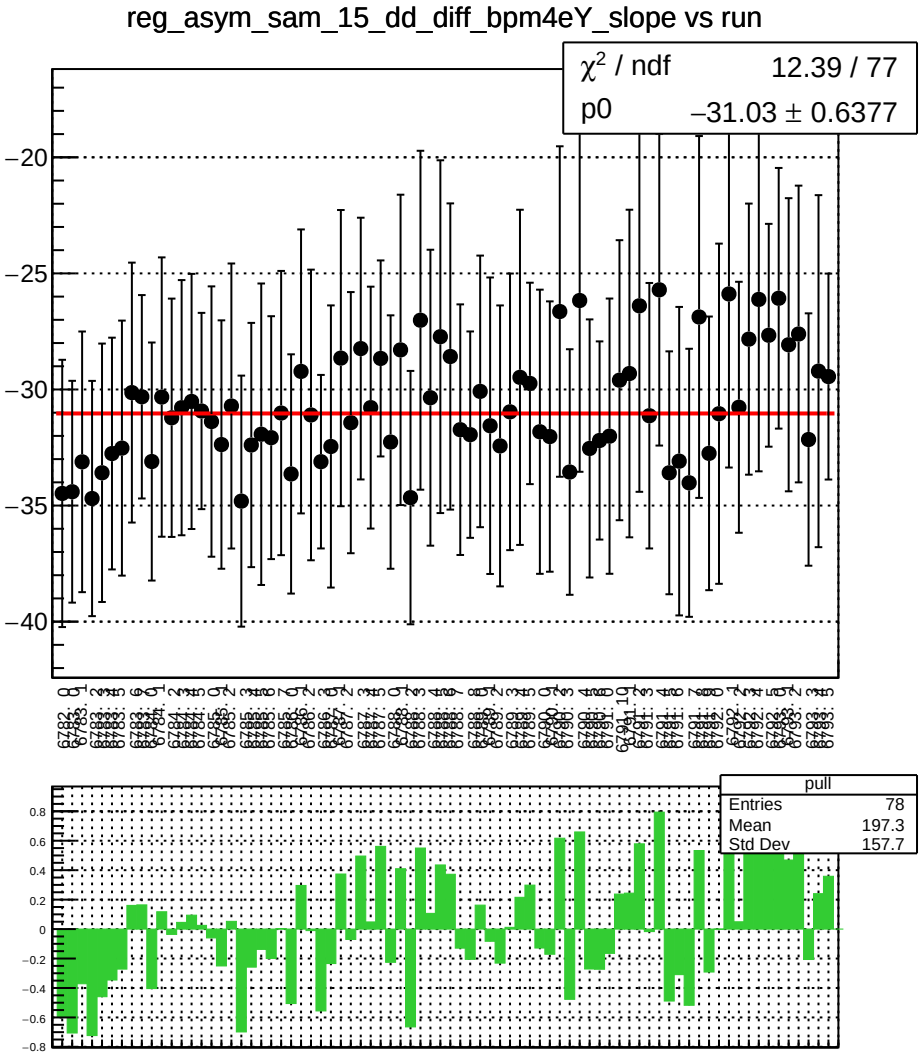

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.529 / 77
p0 0.03447 ± 0.01822
pull
Entries 78
Mean 184.4
Std Dev 81.19

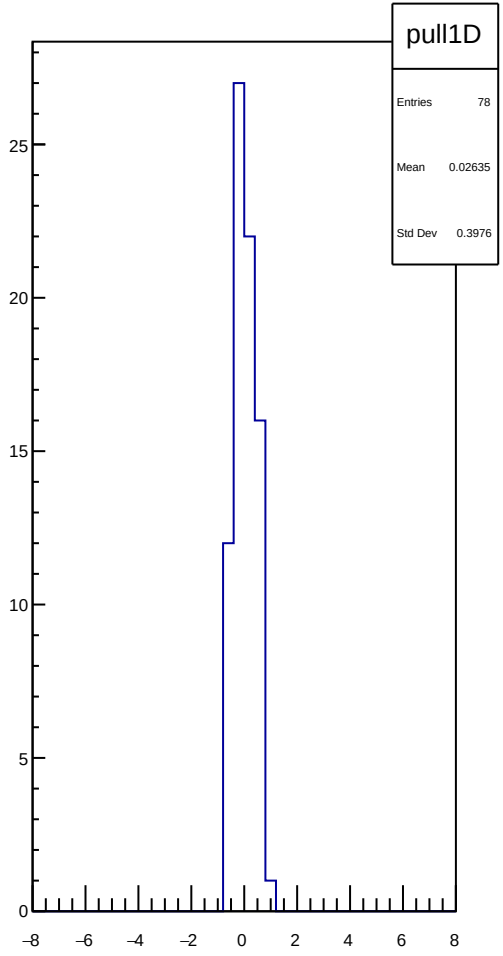

pull1D
Entries 78
Mean 0.0008202
Std Dev 0.3107

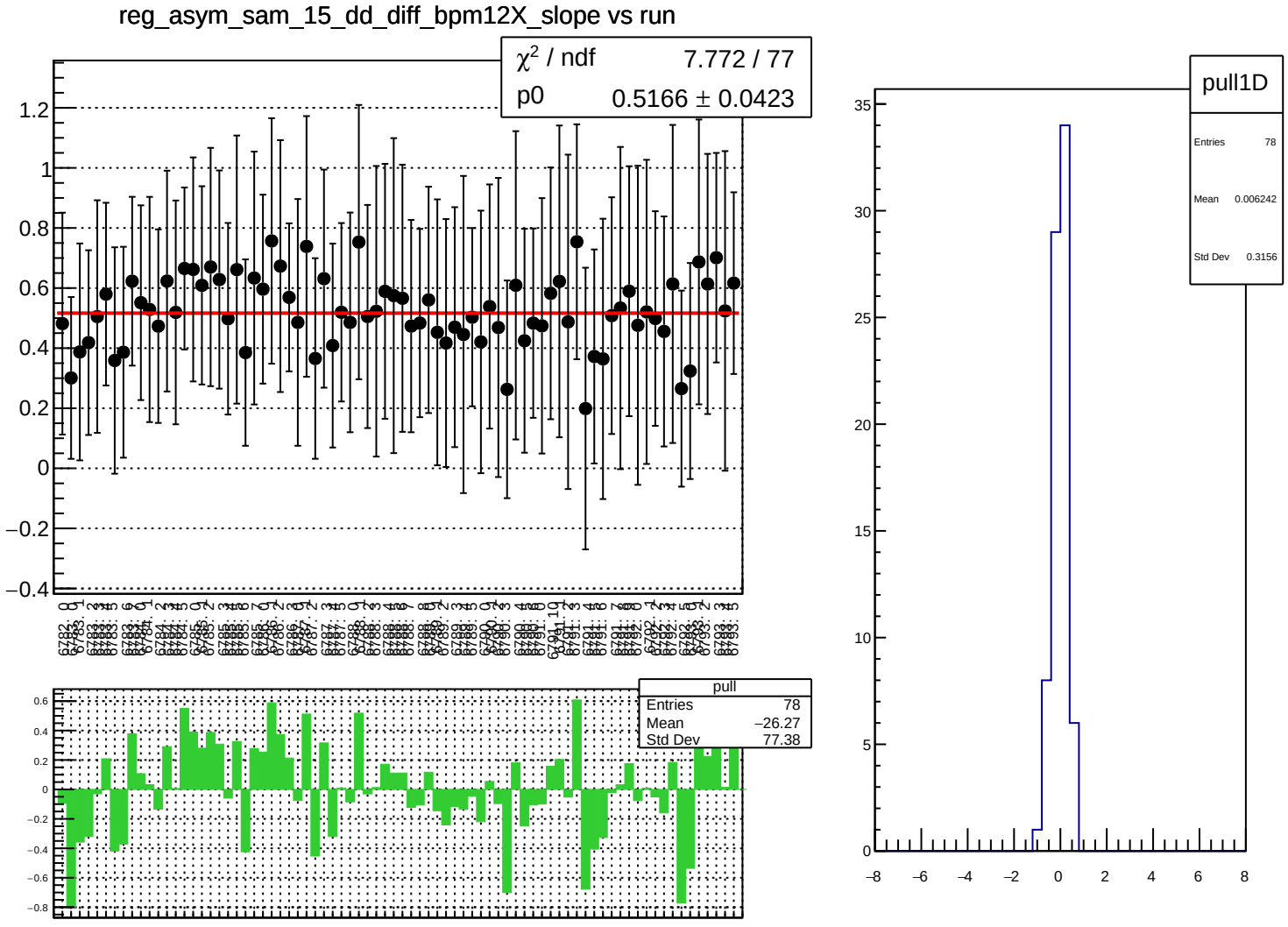

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.983 / 77
p0 −7.636 ± 0.9694
pull
Entries 78
Mean 386.3
Std Dev 346.8
pull1D
Entries 78
Mean −0.008423
Std Dev 0.2258

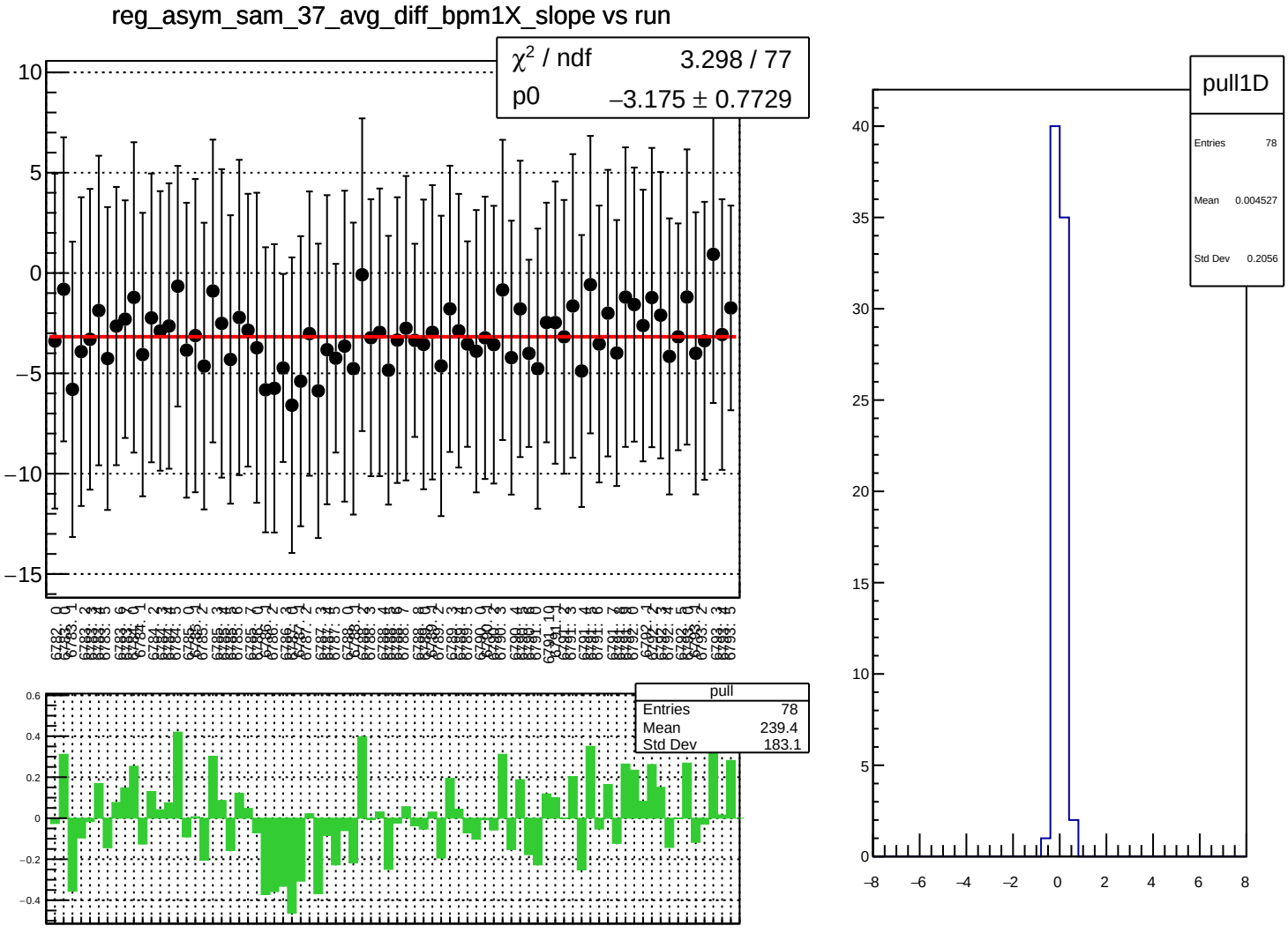

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.82 / 77
p0 −55.51 ± 0.4676
pull
Entries 78
Mean 359.8
Std Dev 320.5
pull1D
Entries 78
Mean −0.01493
Std Dev 0.3722

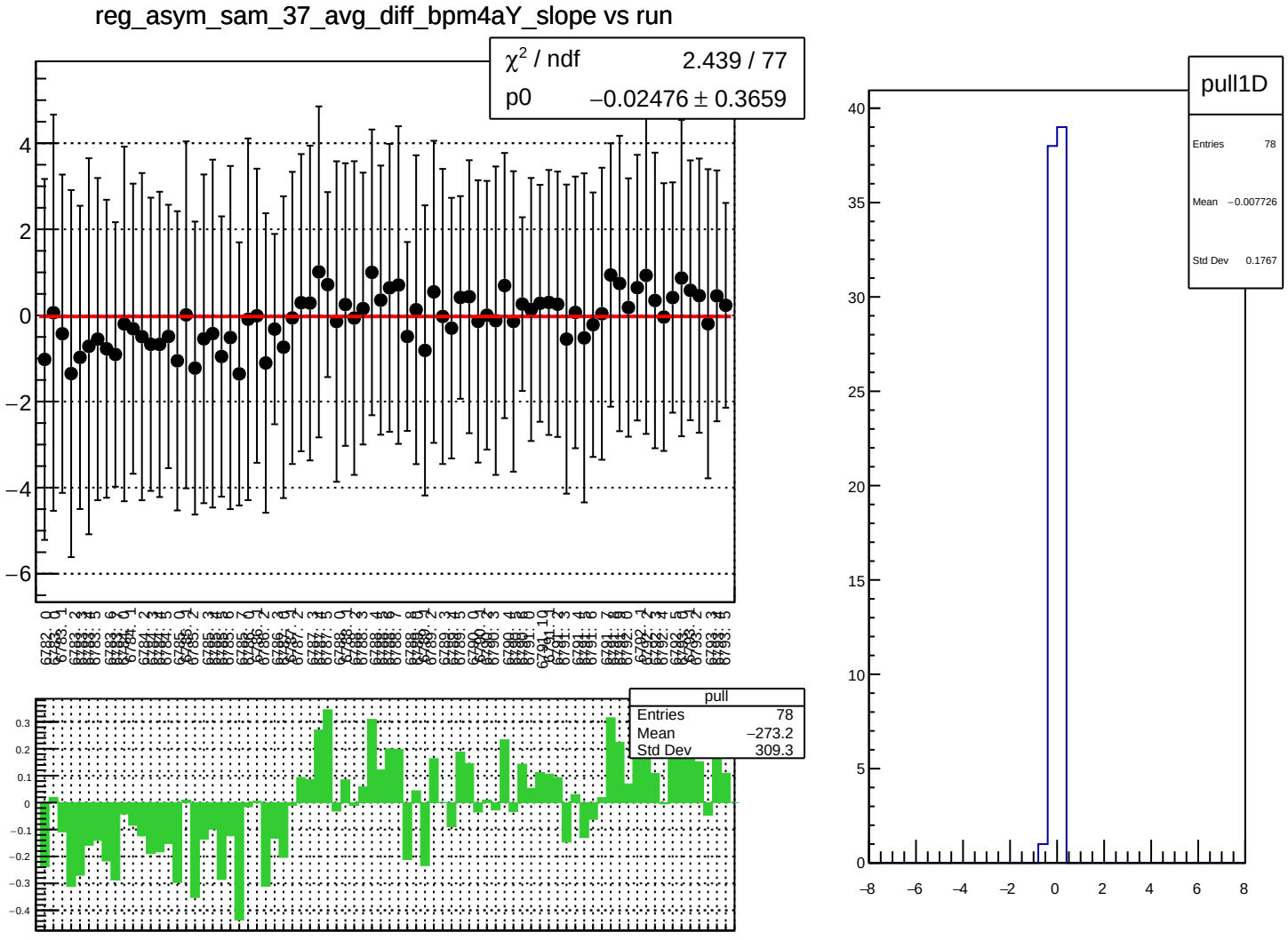

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.812 / 77
p0 −5.222 ± 0.9053
pull
Entries 78
Mean 378.6
Std Dev 339
pull1D
Entries 78
Mean 0.00787
Std Dev 0.2209

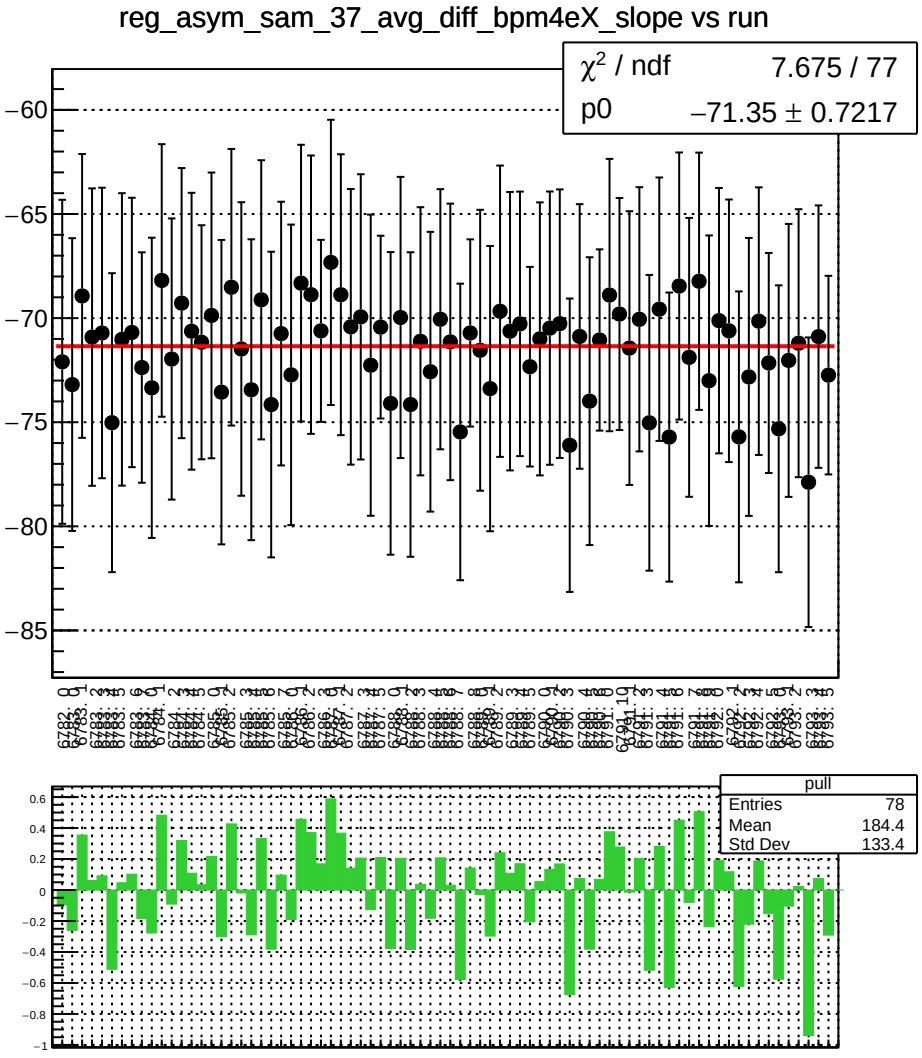

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.39 / 77
p0 −31.03 ± 0.6377
pull
Entries 78
Mean 197.3
Std Dev 157.7

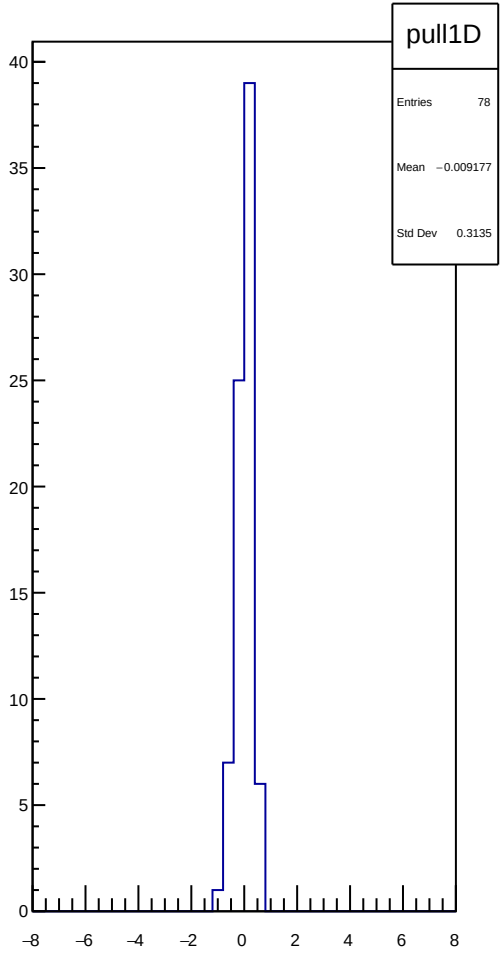

pull1D
Entries 78
Mean 0.02635
Std Dev 0.3976

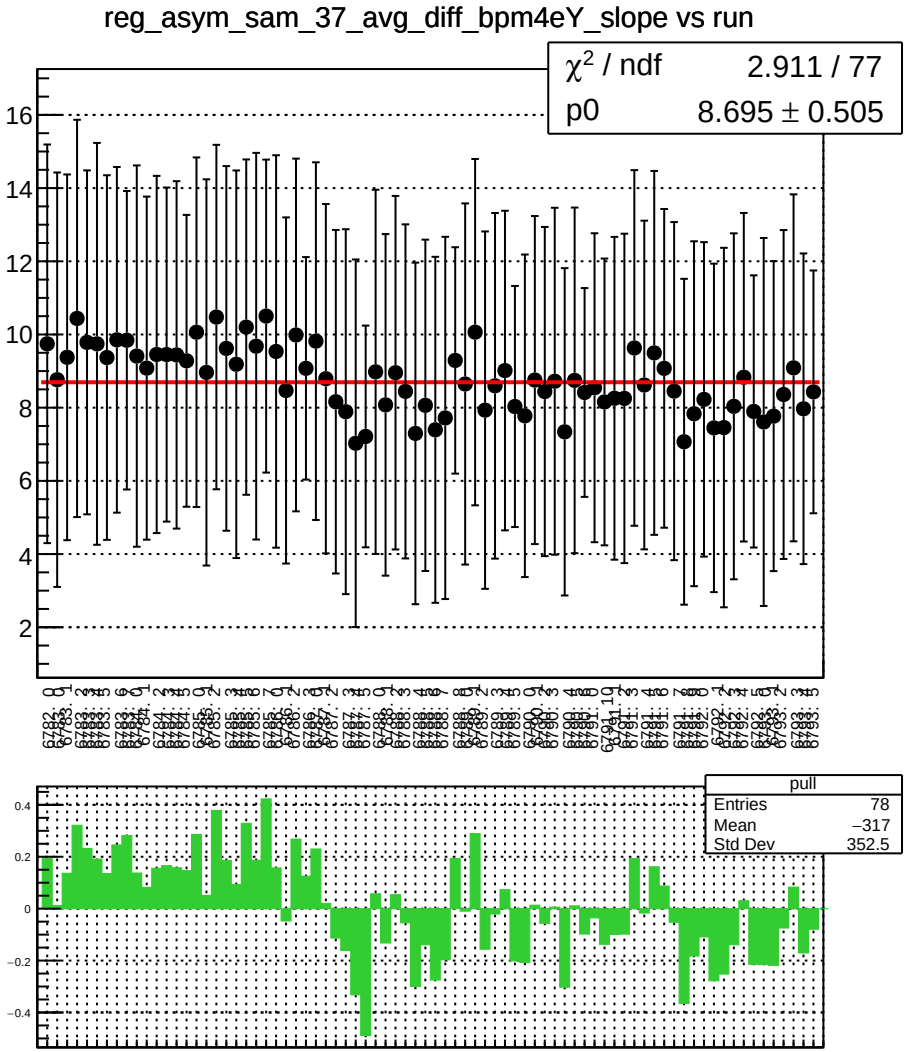

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 7.772 / 77
p0 0.5166 ± 0.0423
pull
Entries 78
Mean −26.27
Std Dev 77.38
pull1D
Entries 78
Mean 0.006242
Std Dev 0.3156

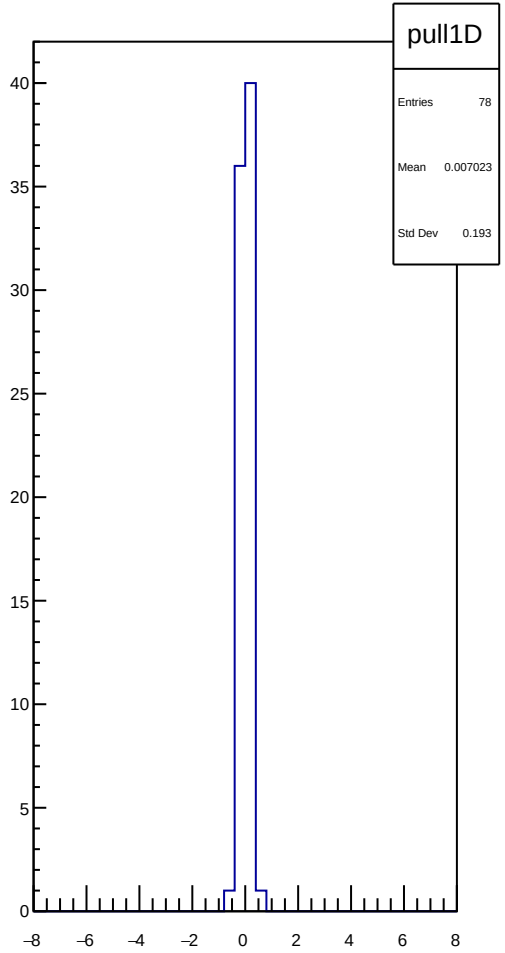

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.298 / 77
p0 −3.175 ± 0.7729
pull
Entries 78
Mean 239.4
Std Dev 183.1
pull1D
Entries 78
Mean 0.004527
Std Dev 0.2056

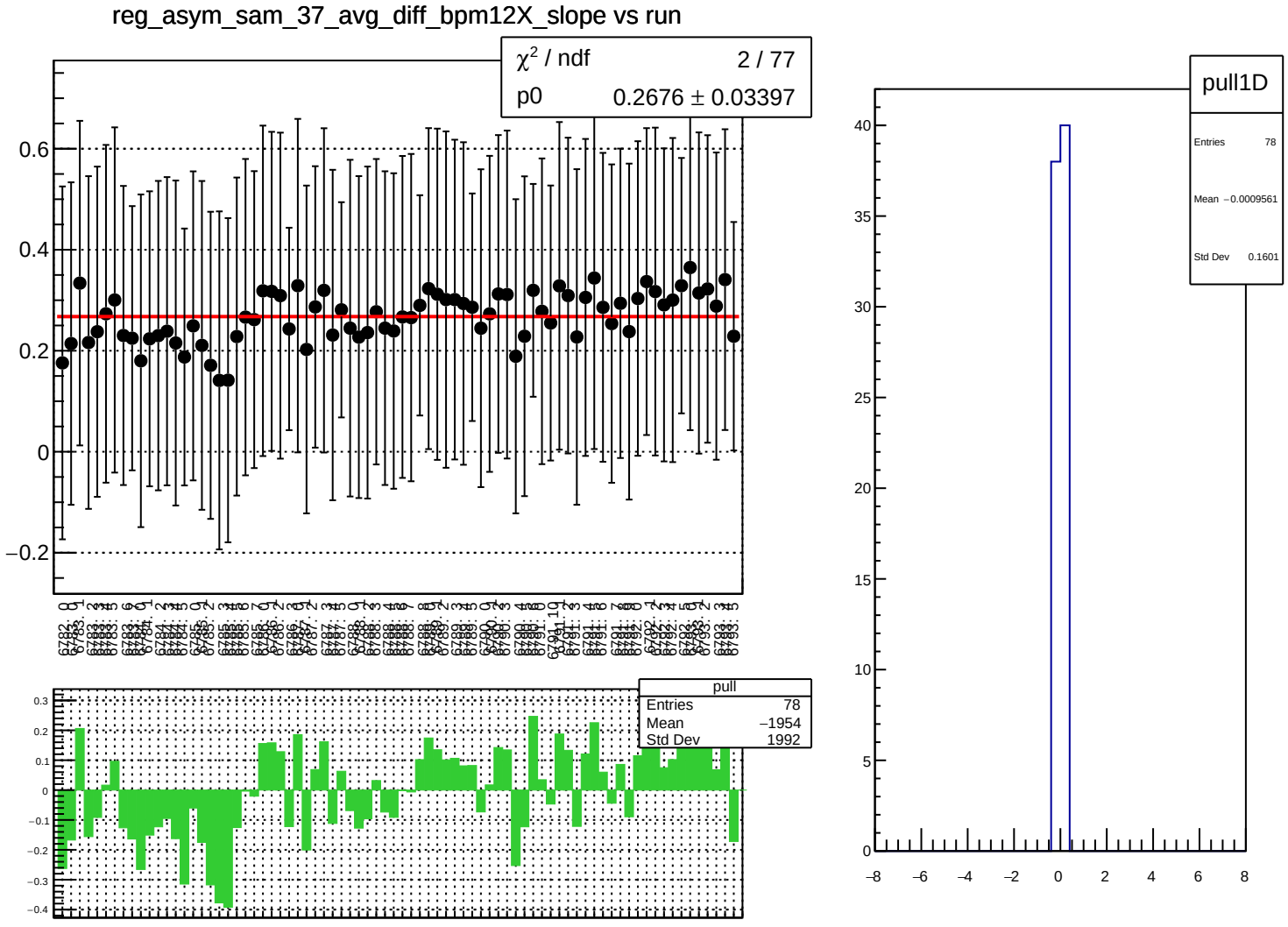

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.439 / 77
p0 −0.02476 ± 0.3659
pull
Entries 78
Mean −273.2
Std Dev 309.3
pull1D
Entries 78
Mean −0.007726
Std Dev 0.1767


reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.675 / 77
p0 −71.35 ± 0.7217
pull
Entries 78
Mean 184.4
Std Dev 133.4

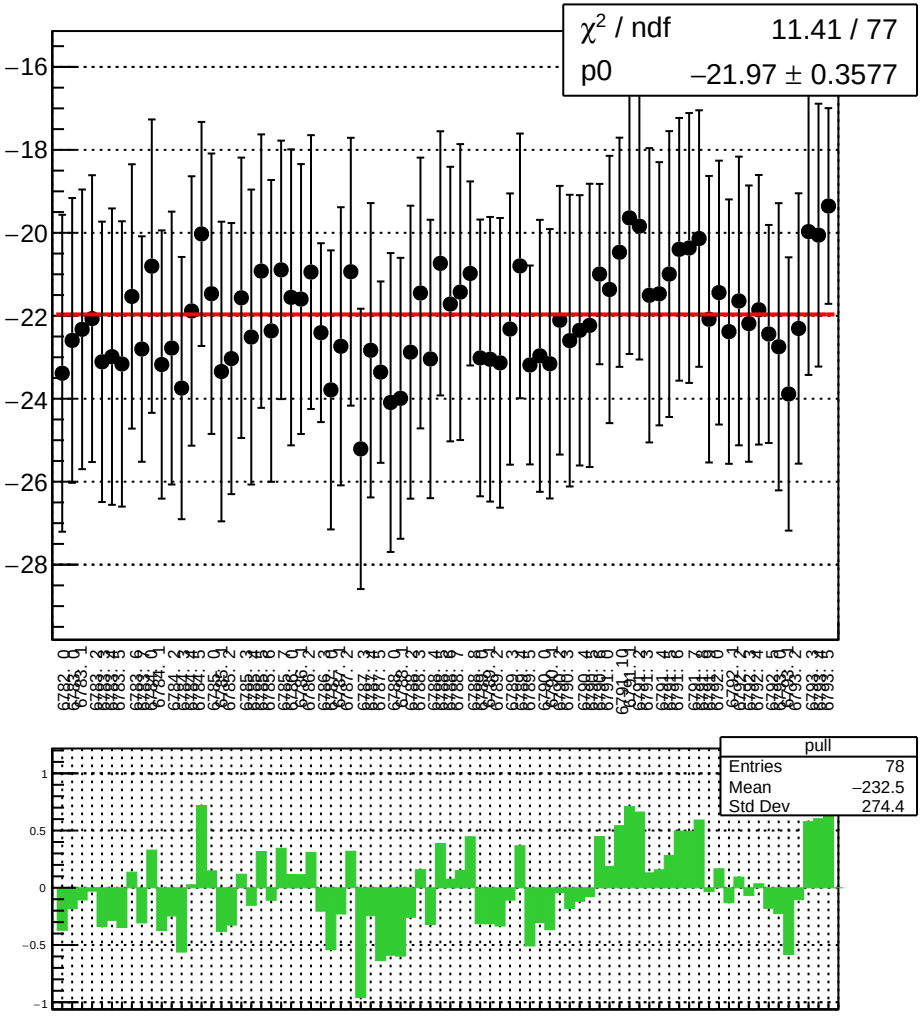

pull1D
Entries 78
Mean −0.009177
Std Dev 0.3135

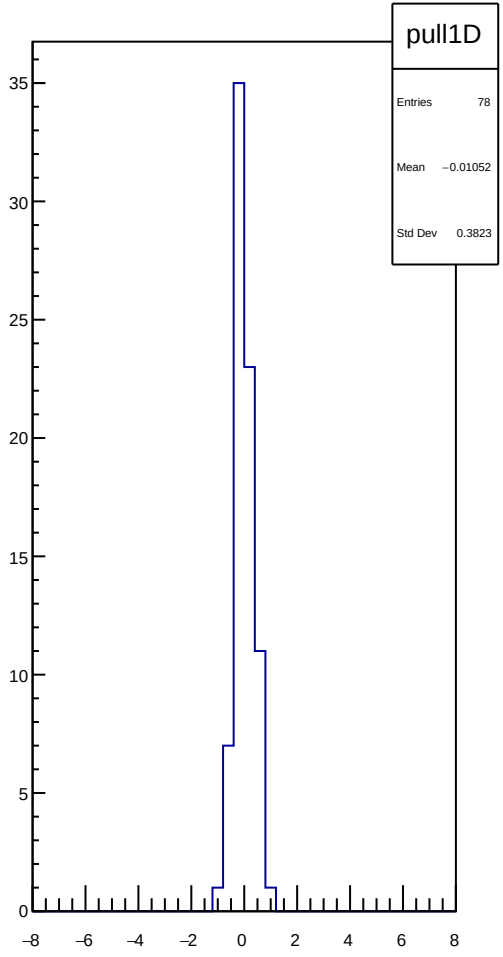

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 2.911 / 77
p0 8.695 ± 0.505
pull
Entries 78
Mean −317
Std Dev 352.5

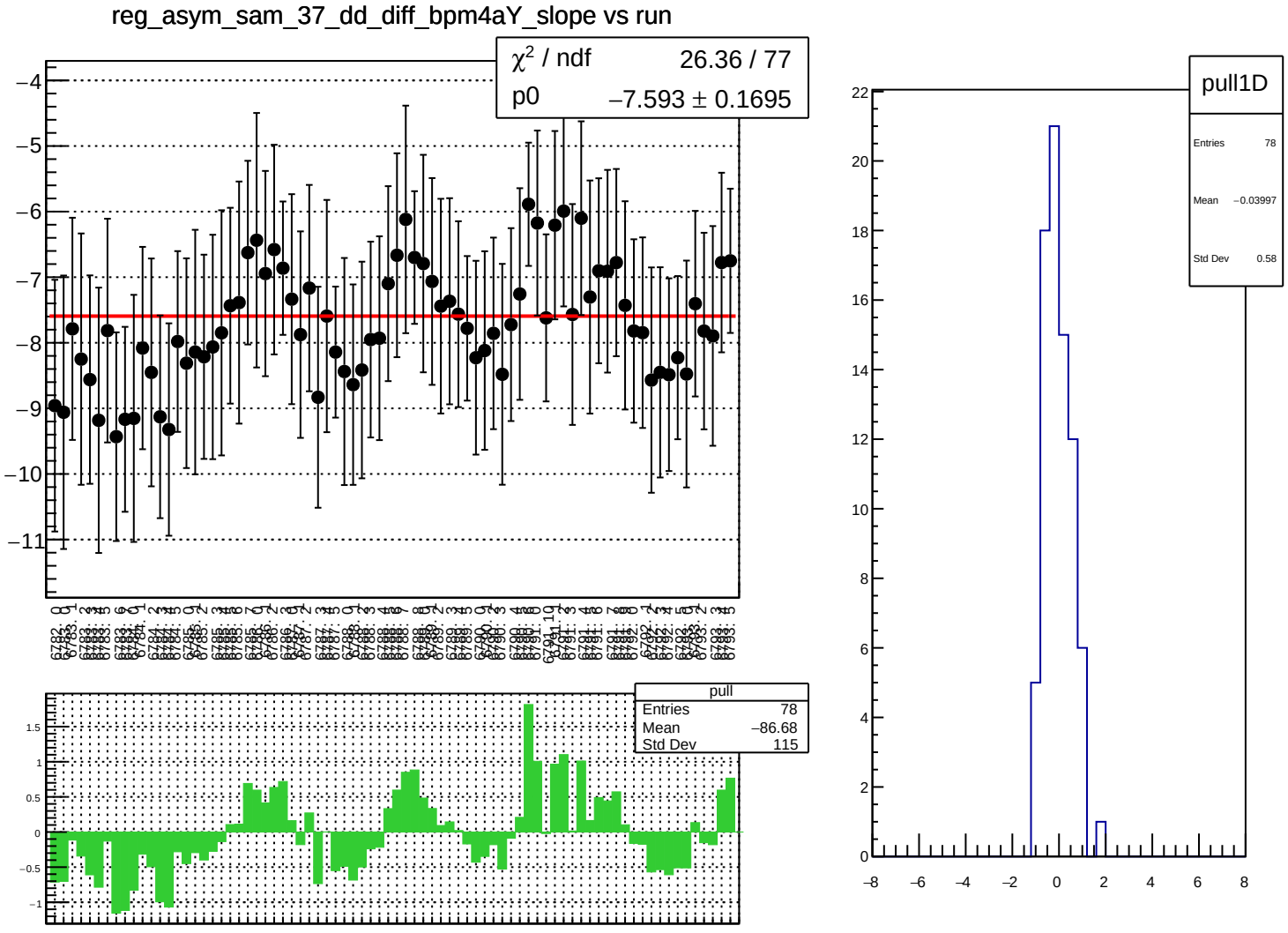

pull1D
Entries 78
Mean 0.007023
Std Dev 0.193

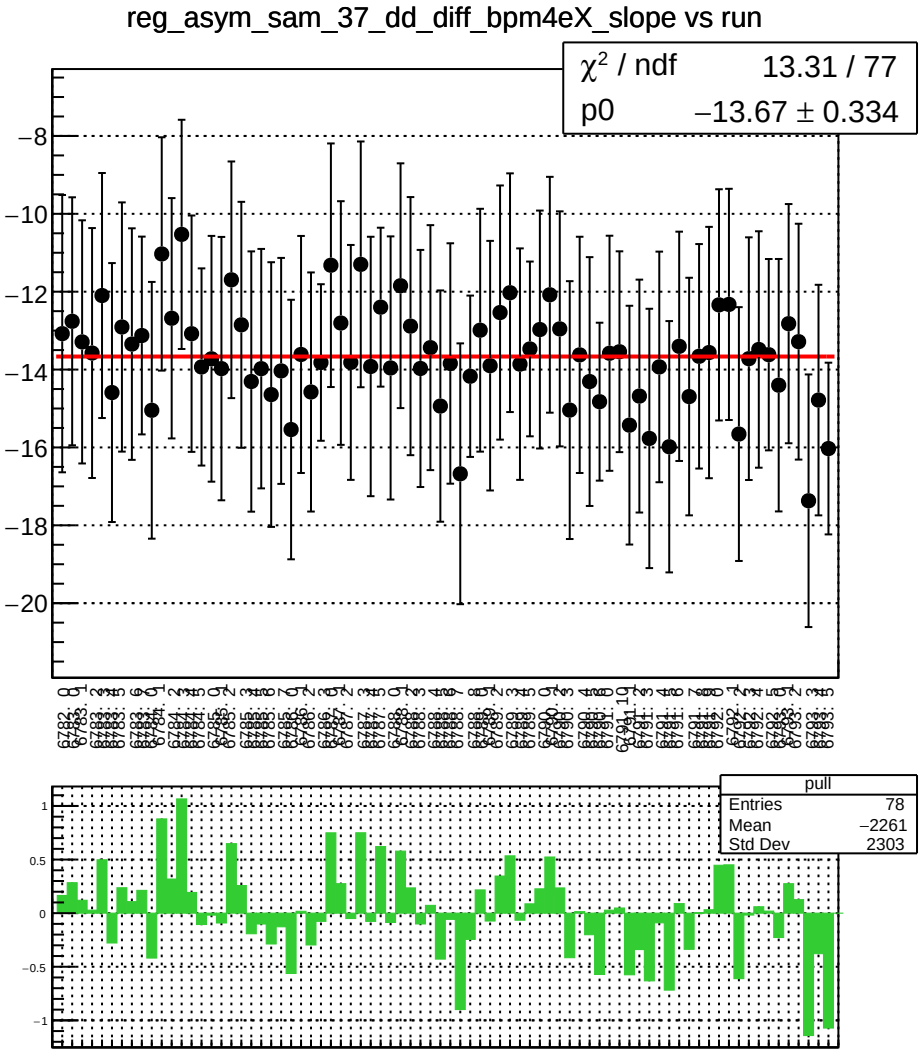

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2 / 77
p0 0.2676 ± 0.03397
pull
Entries 78
Mean −1954
Std Dev 1992
pull1D
Entries 78
Mean −0.0009561
Std Dev 0.1601

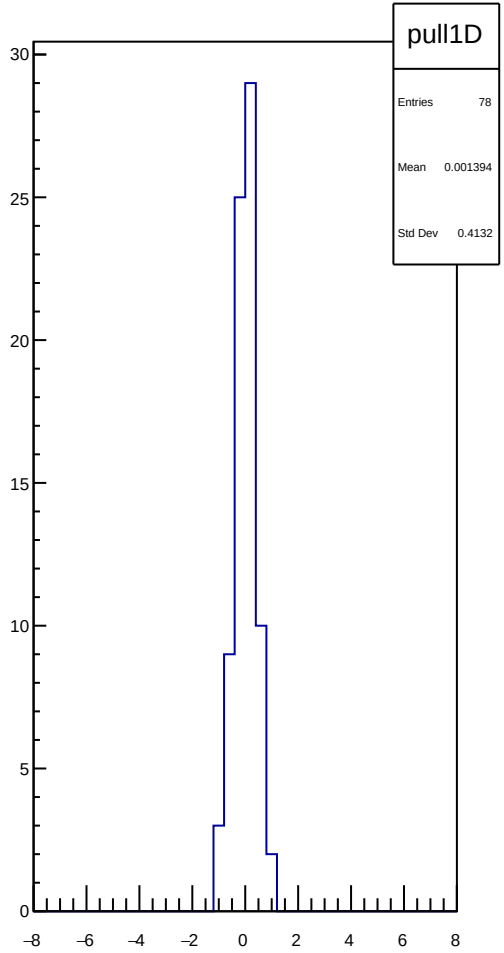
reg_asym_sam_37_dd_diff_bpm1X_slope vs run

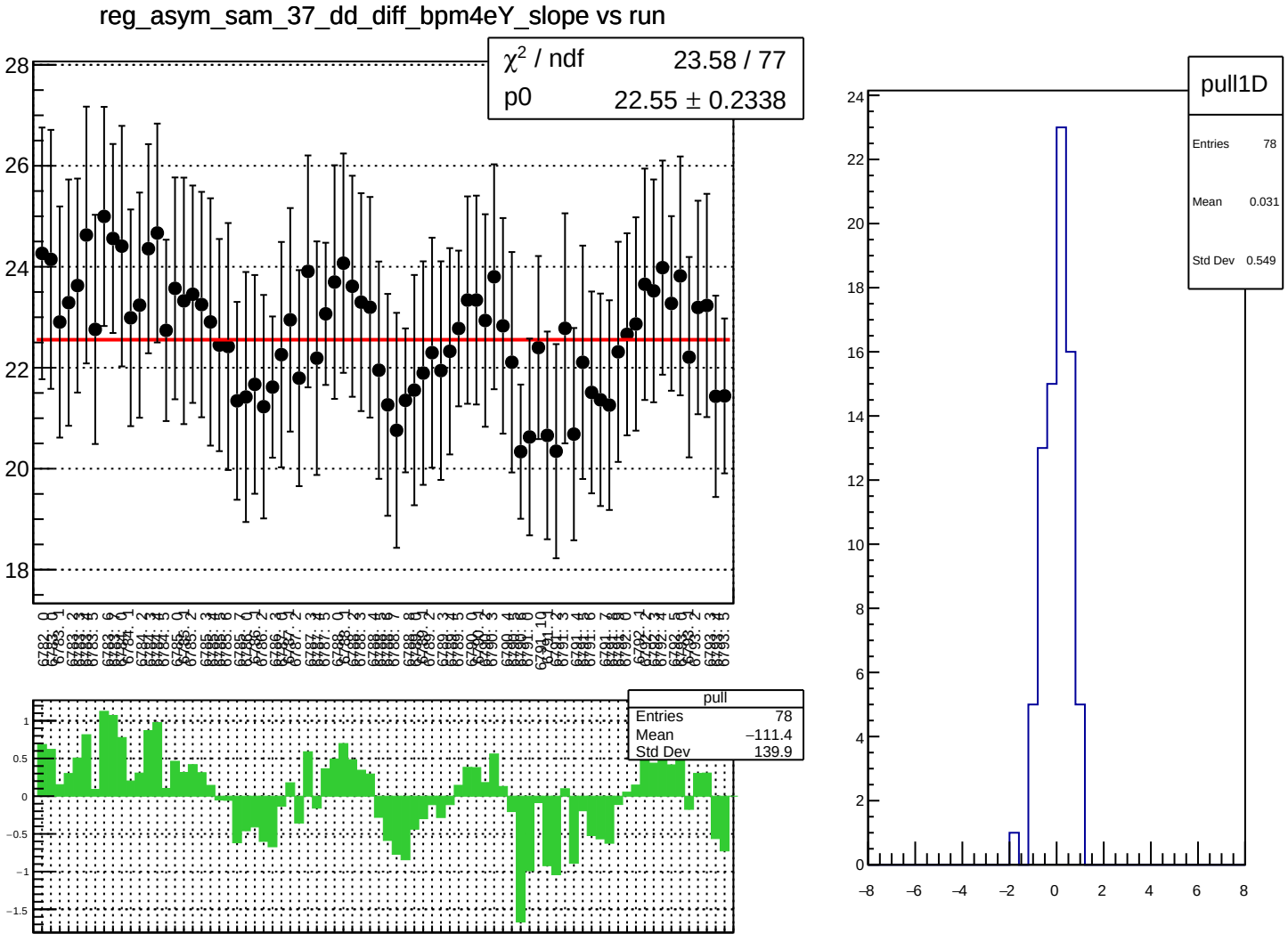


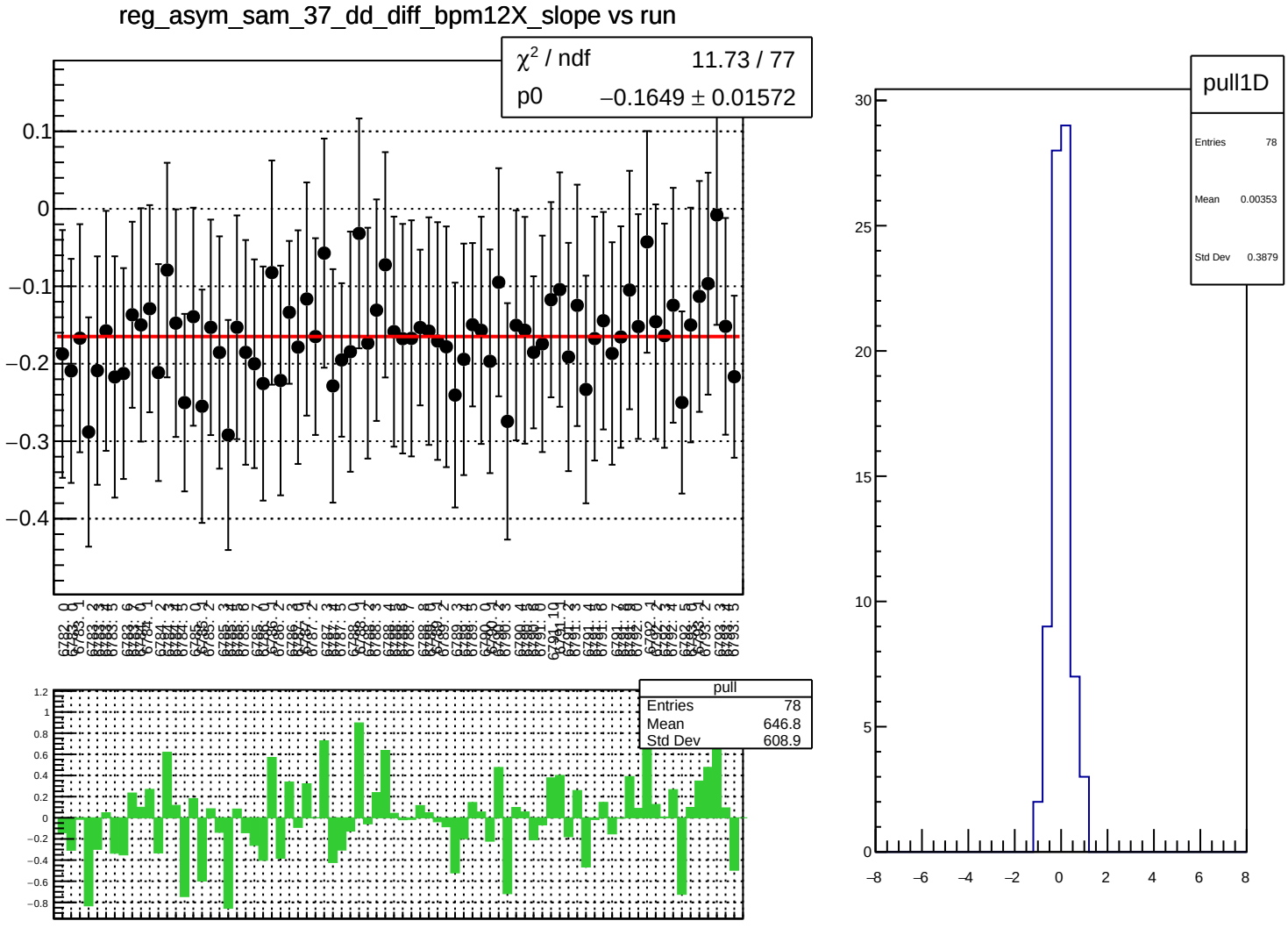


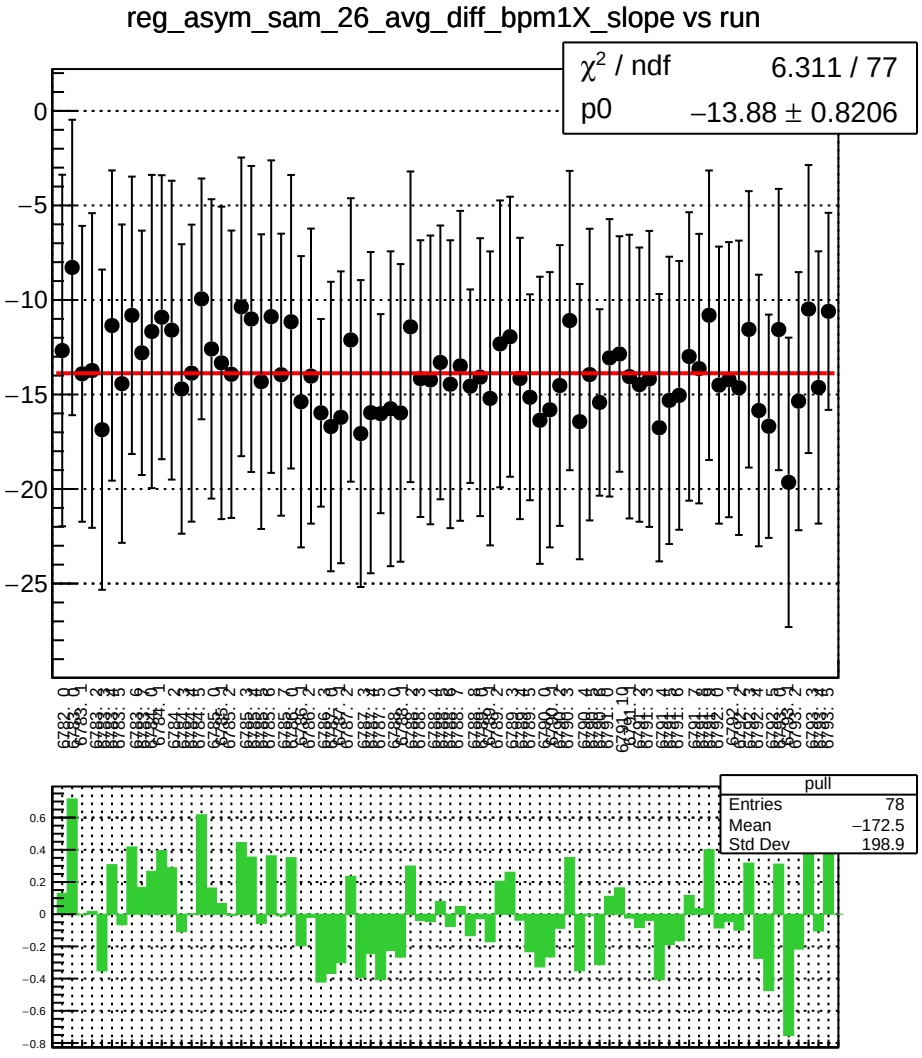

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.36 / 77
p0 −7.593 ± 0.1695
pull
Entries 78
Mean −86.68
Std Dev 115
pull1D
Entries 78
Mean −0.03997
Std Dev 0.58

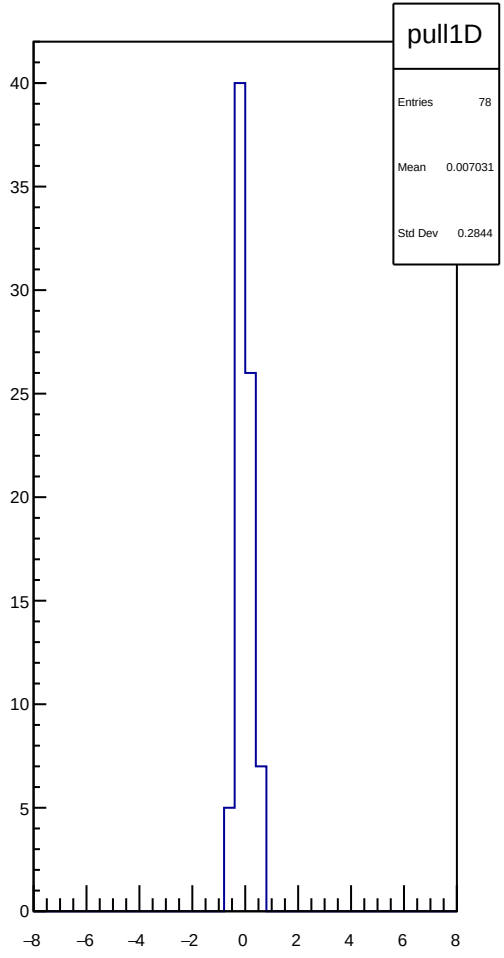

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.31 / 77
p0 −13.67 ± 0.334
pull
Entries 78
Mean −2261
Std Dev 2303

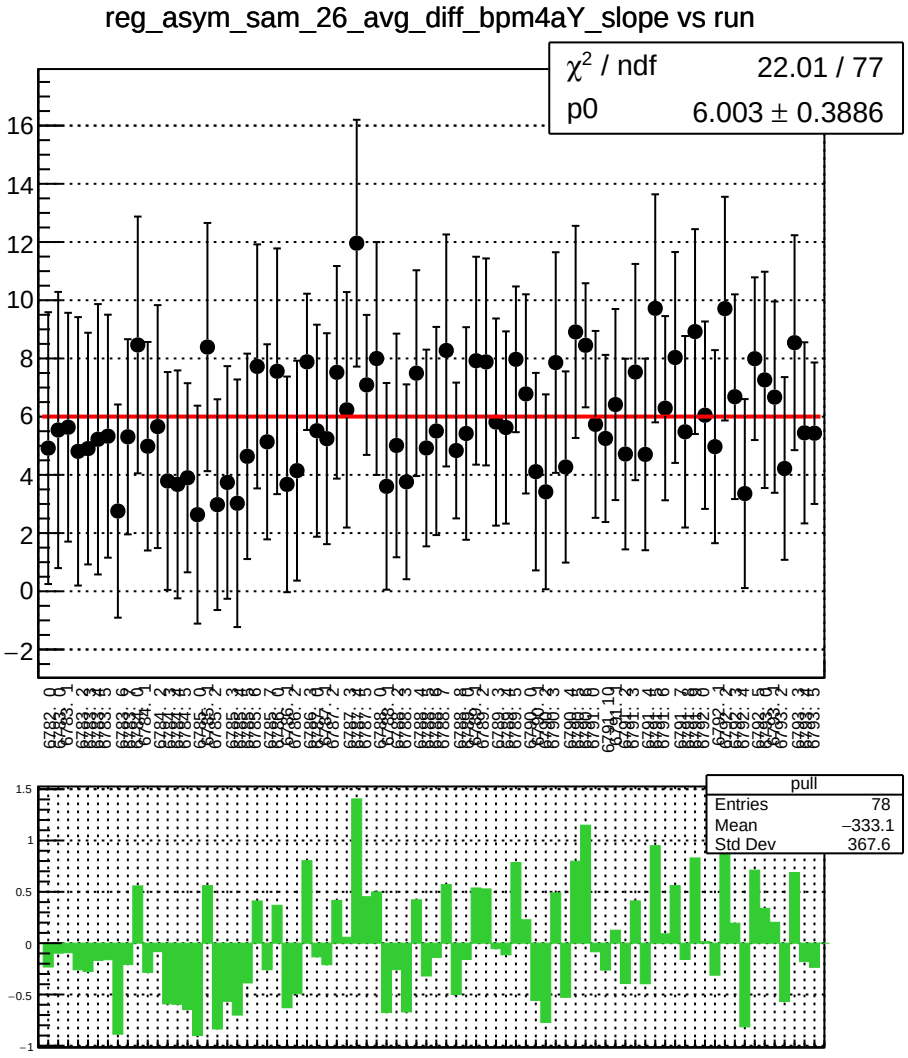

pull1D
Entries 78
Mean 0.001394
Std Dev 0.4132

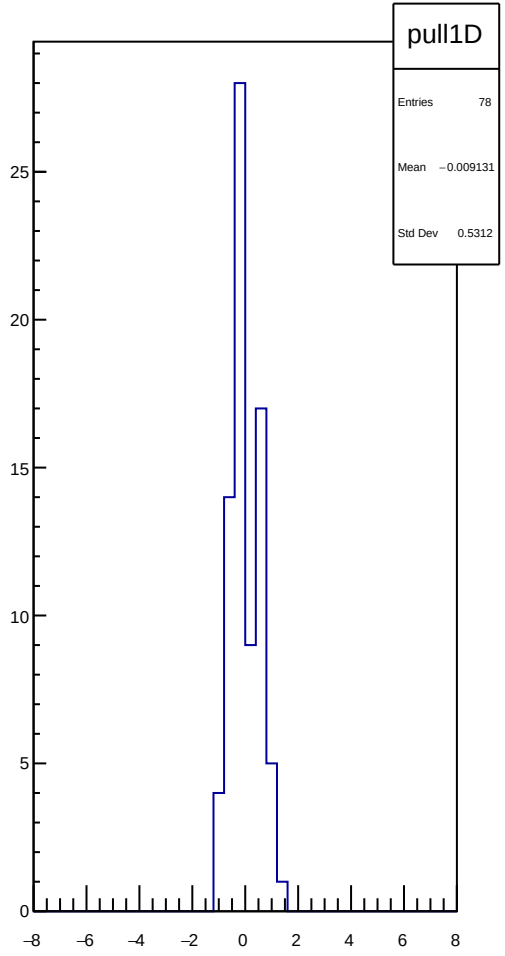

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.58 / 77
p0 22.55 ± 0.2338
pull
Entries 78
Mean −111.4
Std Dev 139.9
pull1D
Entries 78
Mean 0.031
Std Dev 0.549

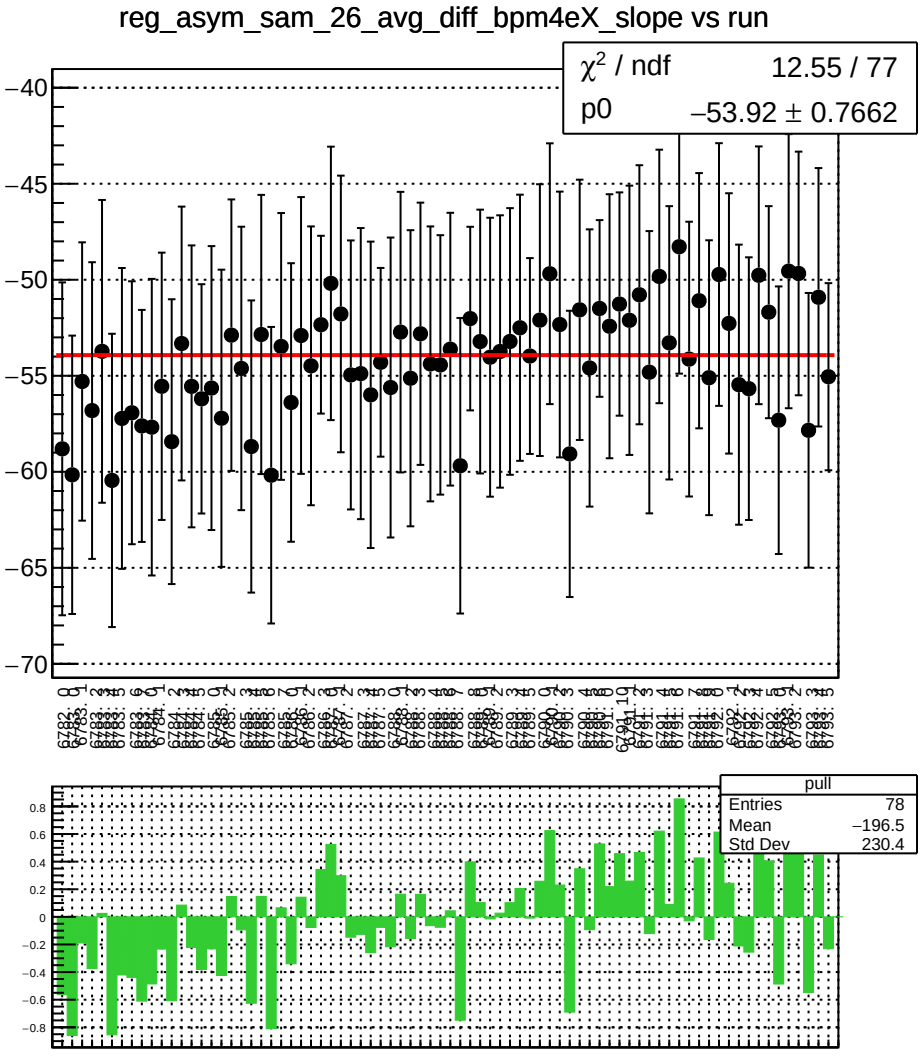

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.73 / 77
p0 −0.1649 ± 0.01572
pull
Entries 78
Mean 646.8
Std Dev 608.9
pull1D
Entries 78
Mean 0.00353
Std Dev 0.3879

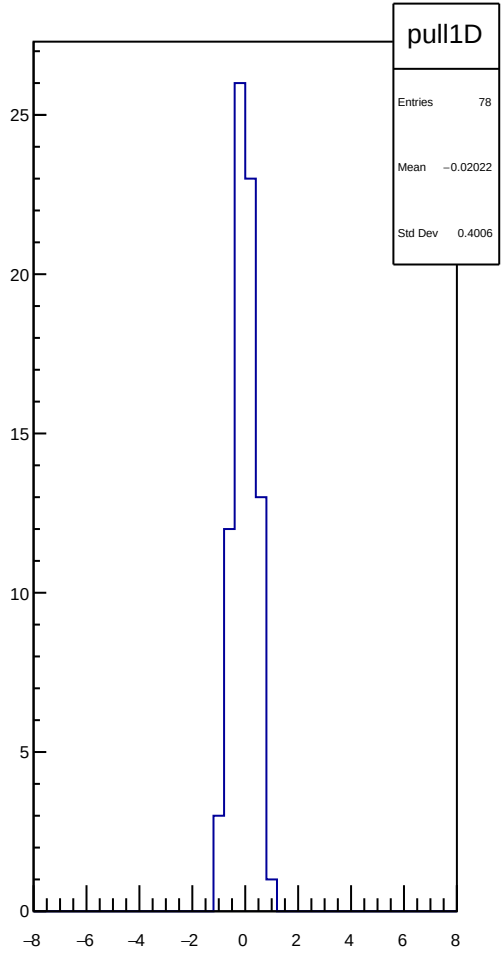

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.311 / 77
p0 −13.88 ± 0.8206
pull
Entries 78
Mean −172.5
Std Dev 198.9

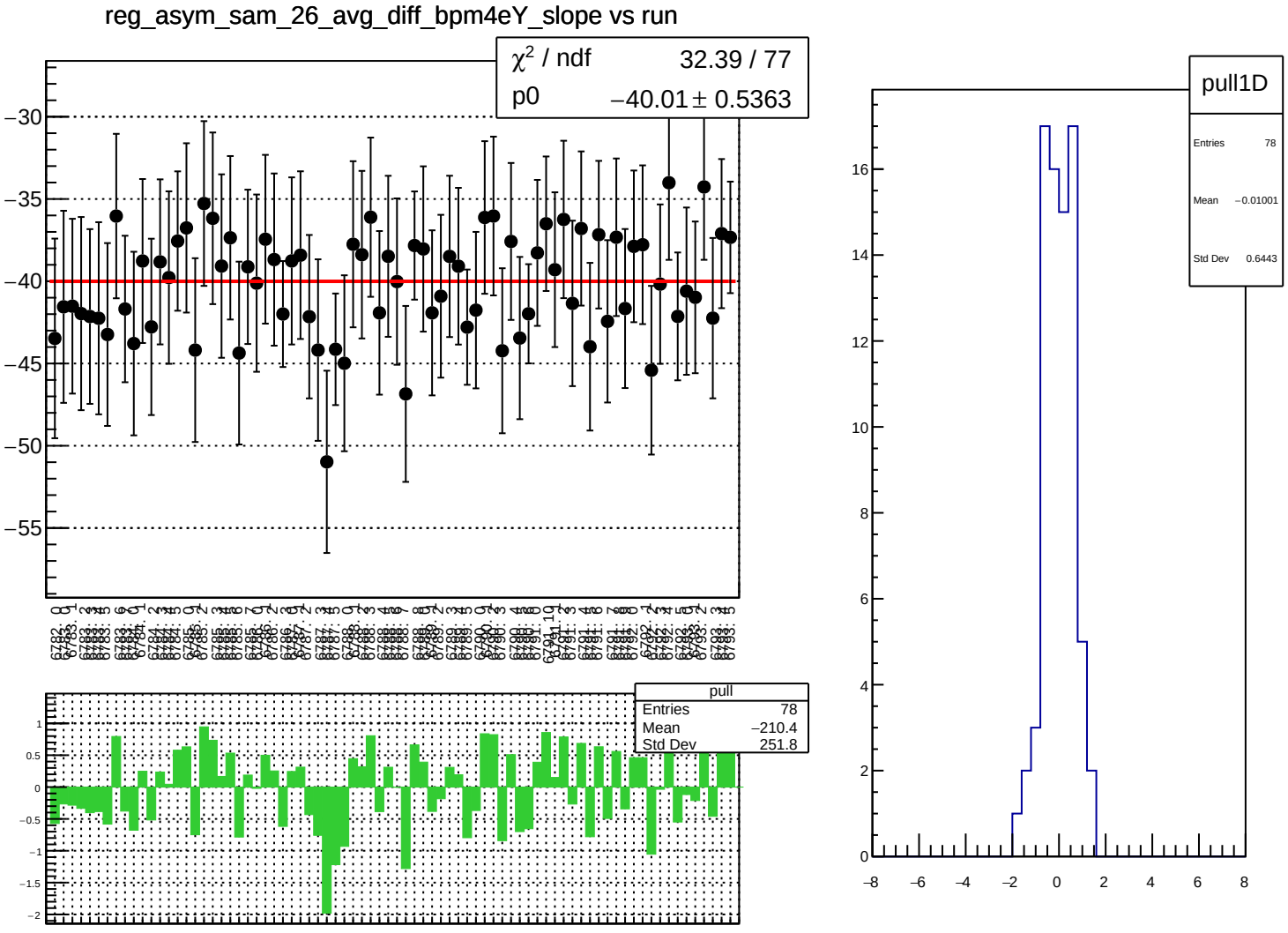

pull1D
Entries 78
Mean 0.007031
Std Dev 0.2844

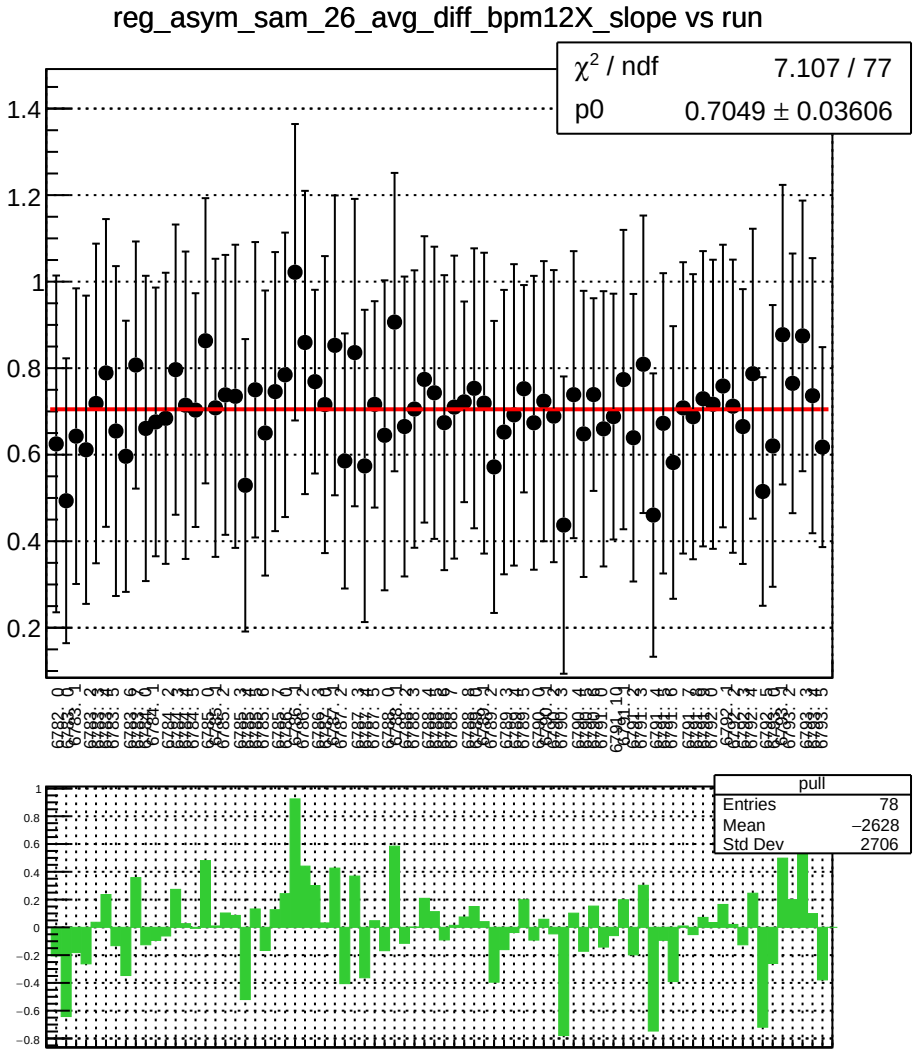

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.01 / 77
p0 6.003 ± 0.3886
pull
Entries 78
Mean −333.1
Std Dev 367.6

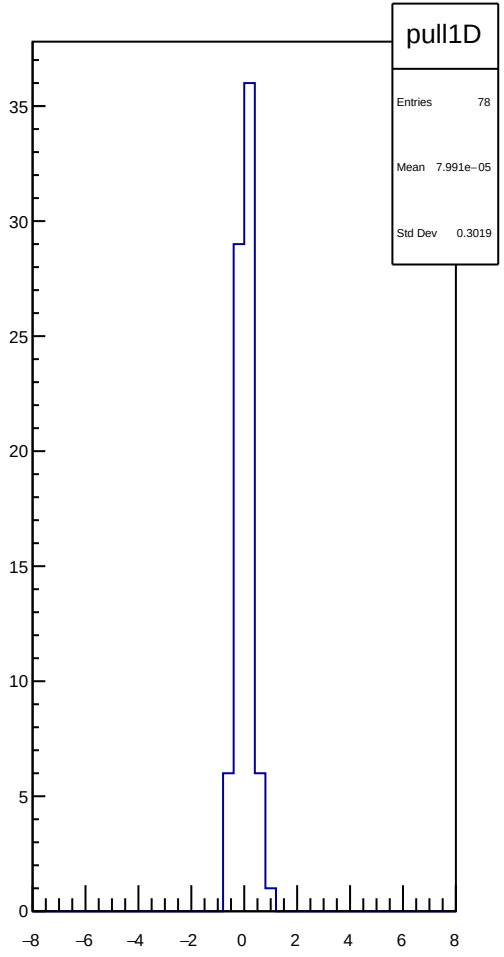

pull1D
Entries 78
Mean −0.009131
Std Dev 0.5312

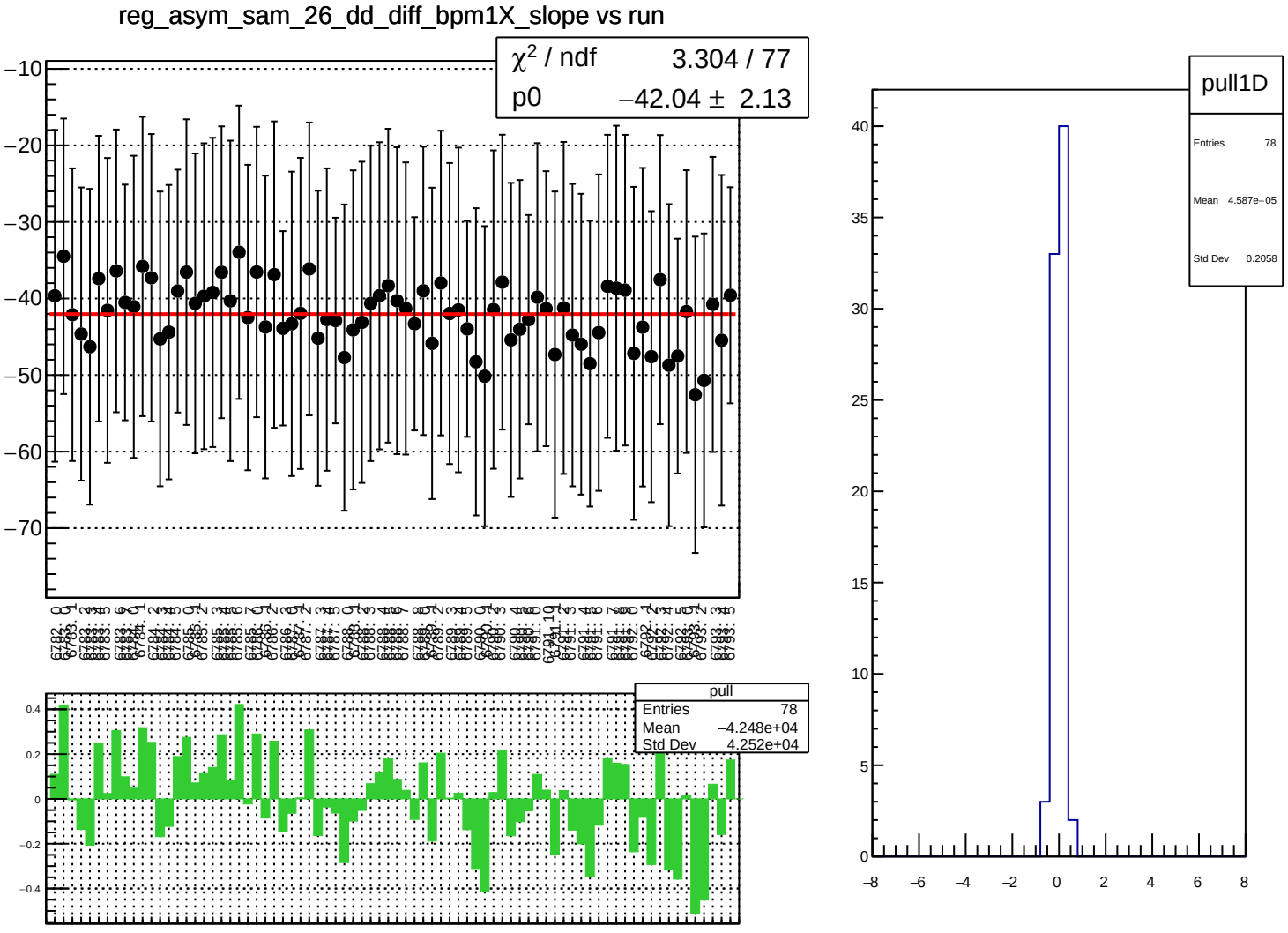

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.55 / 77
p0 −53.92 ± 0.7662
pull
Entries 78
Mean −196.5
Std Dev 230.4

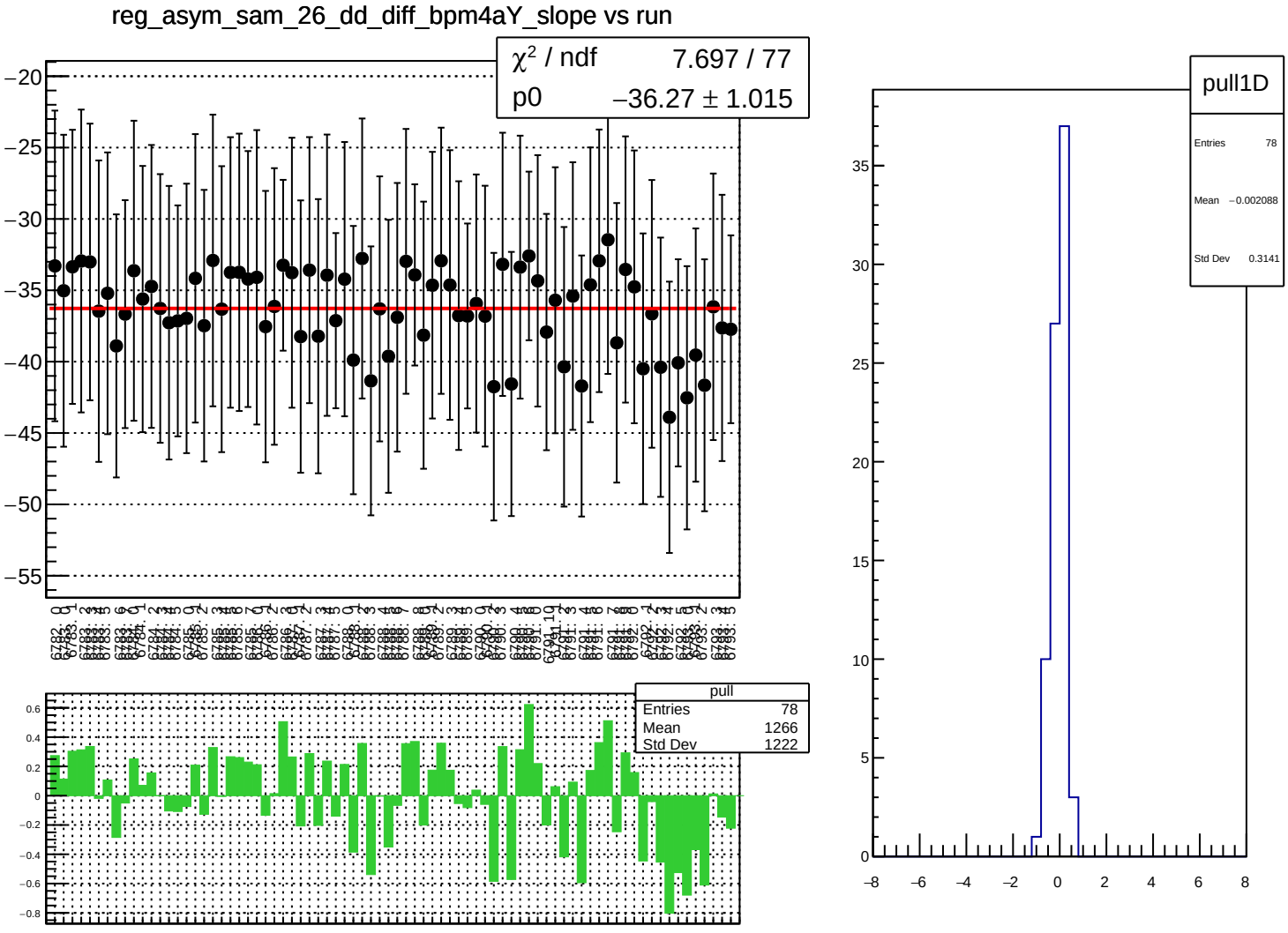

pull1D
Entries 78
Mean −0.02022
Std Dev 0.4006

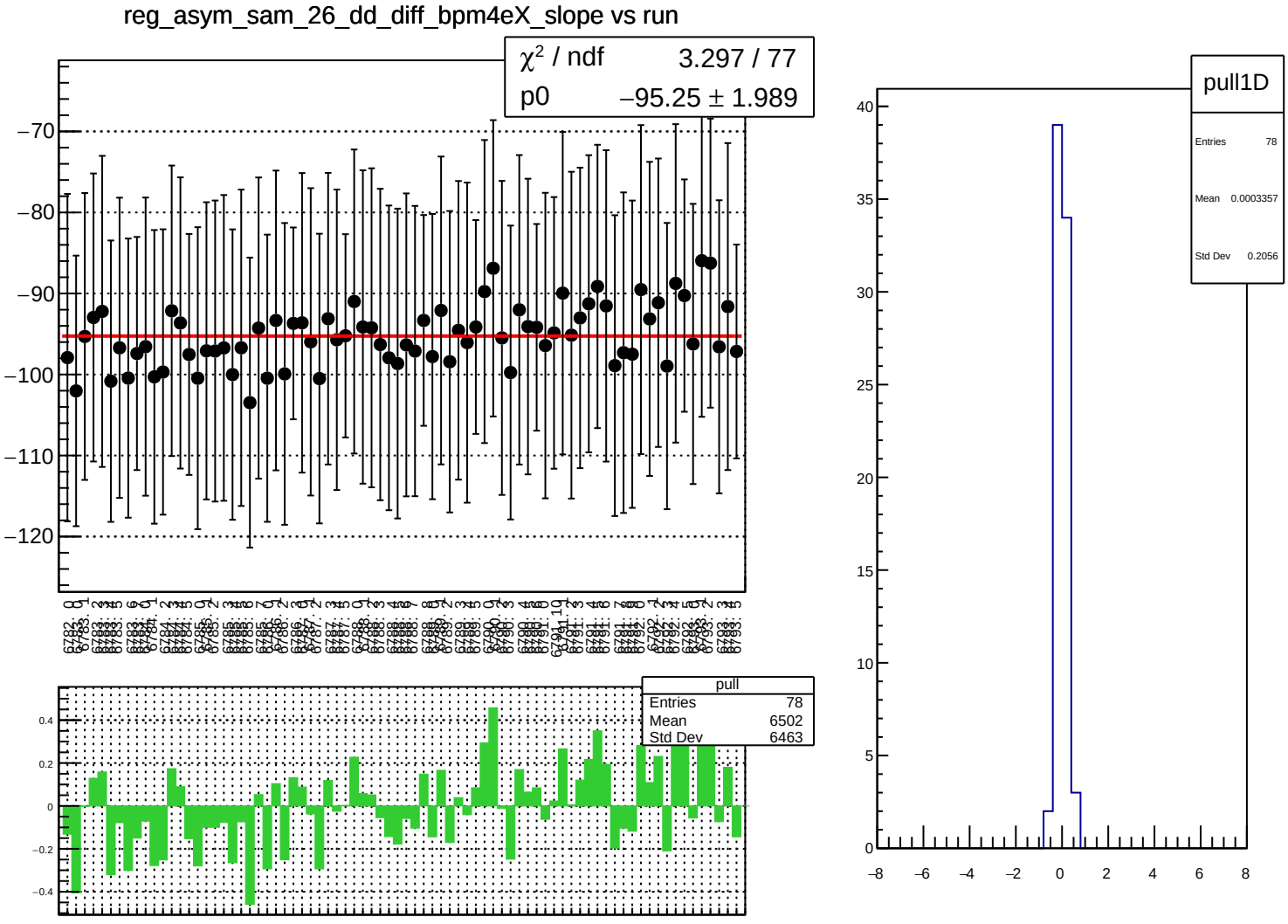

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.39 / 77
p0 −40.01 ± 0.5363
pull
Entries 78
Mean −210.4
Std Dev 251.8
pull1D
Entries 78
Mean −0.01001
Std Dev 0.6443

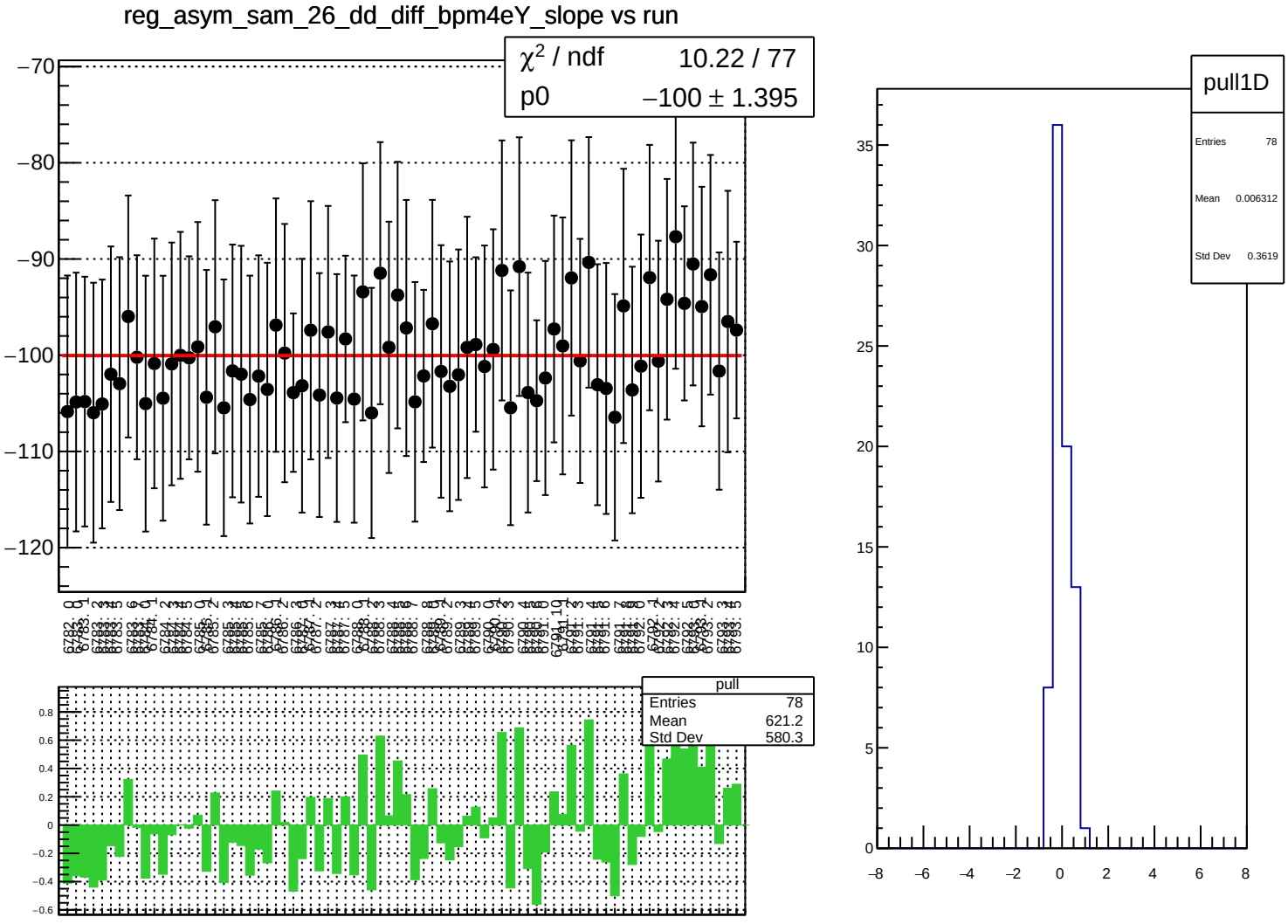

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.107 / 77
p0 0.7049 ± 0.03606
pull
Entries 78
Mean −2628
Std Dev 2706

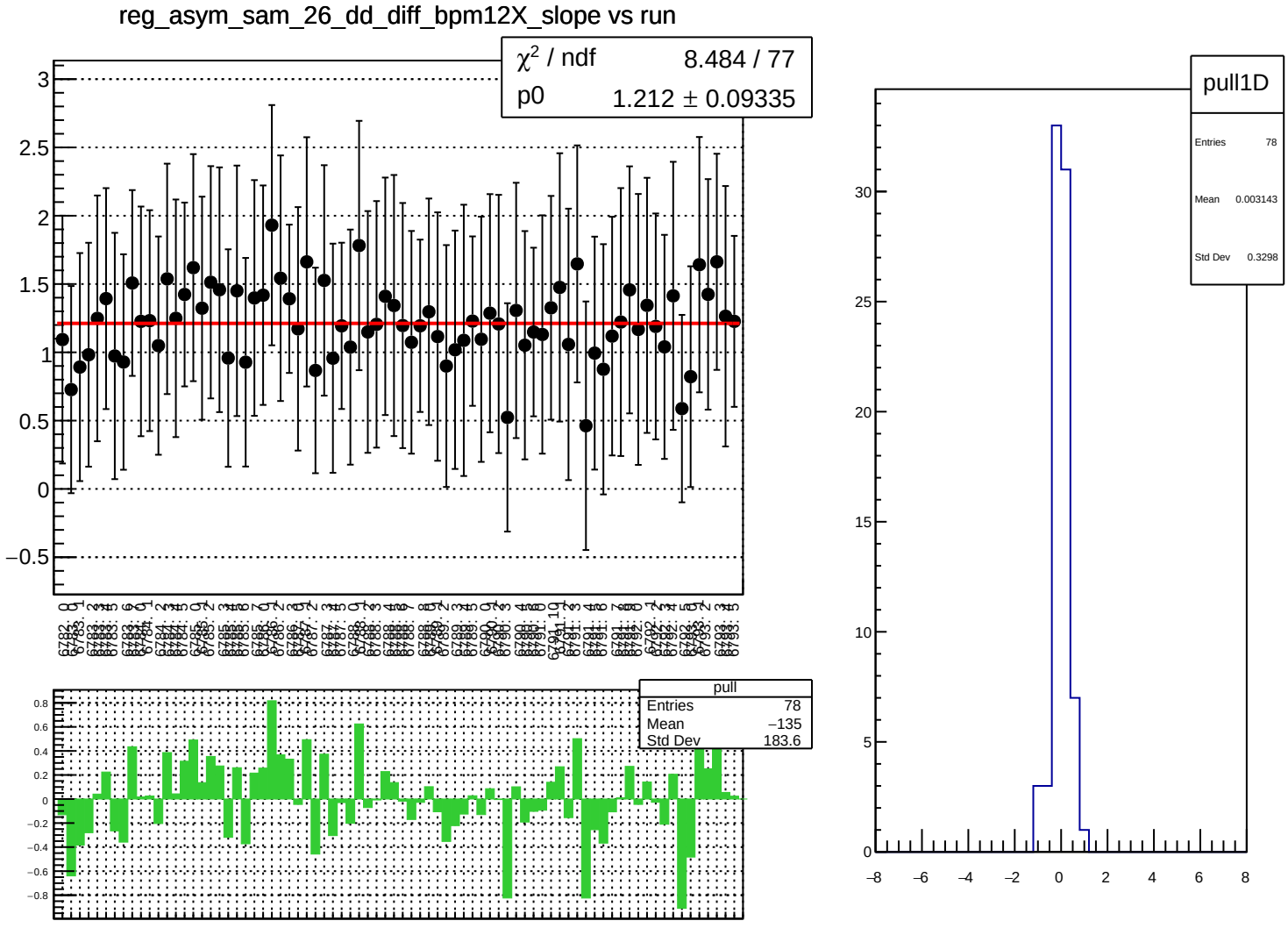

pull1D
Entries 78
Mean 7.991e−05
Std Dev 0.3019

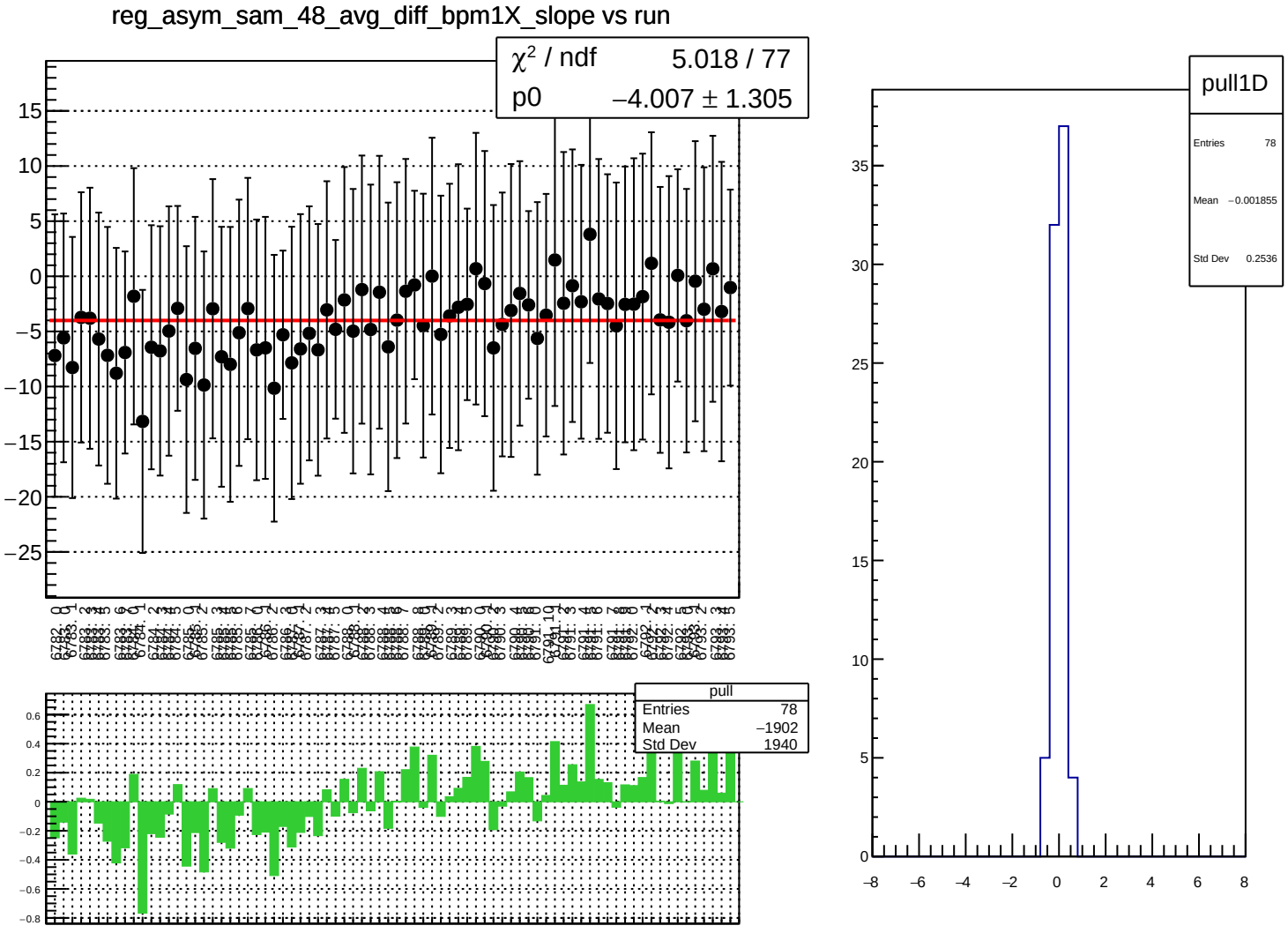

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.304 / 77
p0 −42.04 ± 2.13
pull
Entries 78
Mean −4.248e+04
Std Dev 4.252e+04
pull1D
Entries 78
Mean 4.587e−05
Std Dev 0.2058

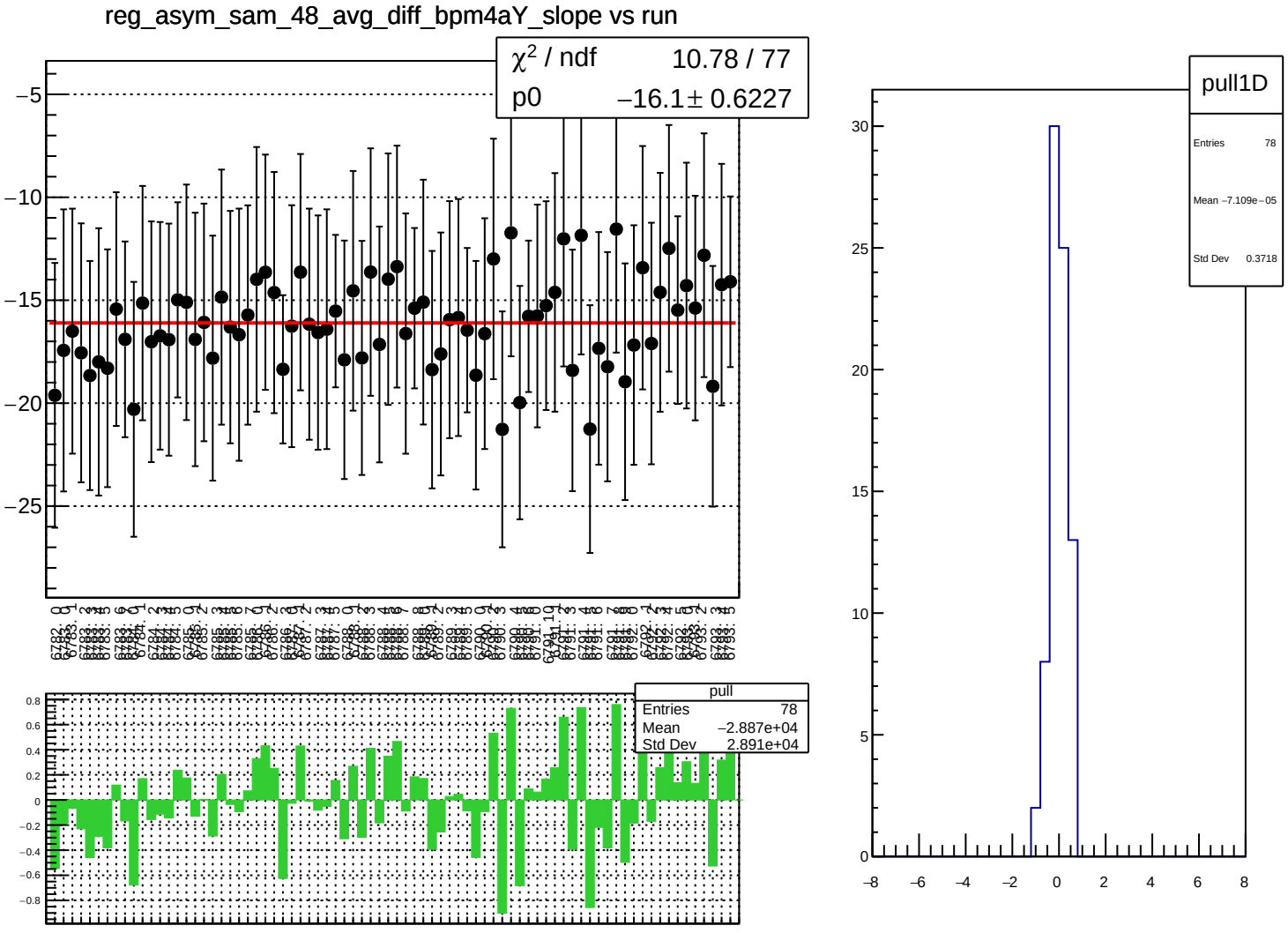

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.697 / 77
p0 −36.27 ± 1.015
pull
Entries 78
Mean 1266
Std Dev 1222
pull1D
Entries 78
Mean −0.002088
Std Dev 0.3141

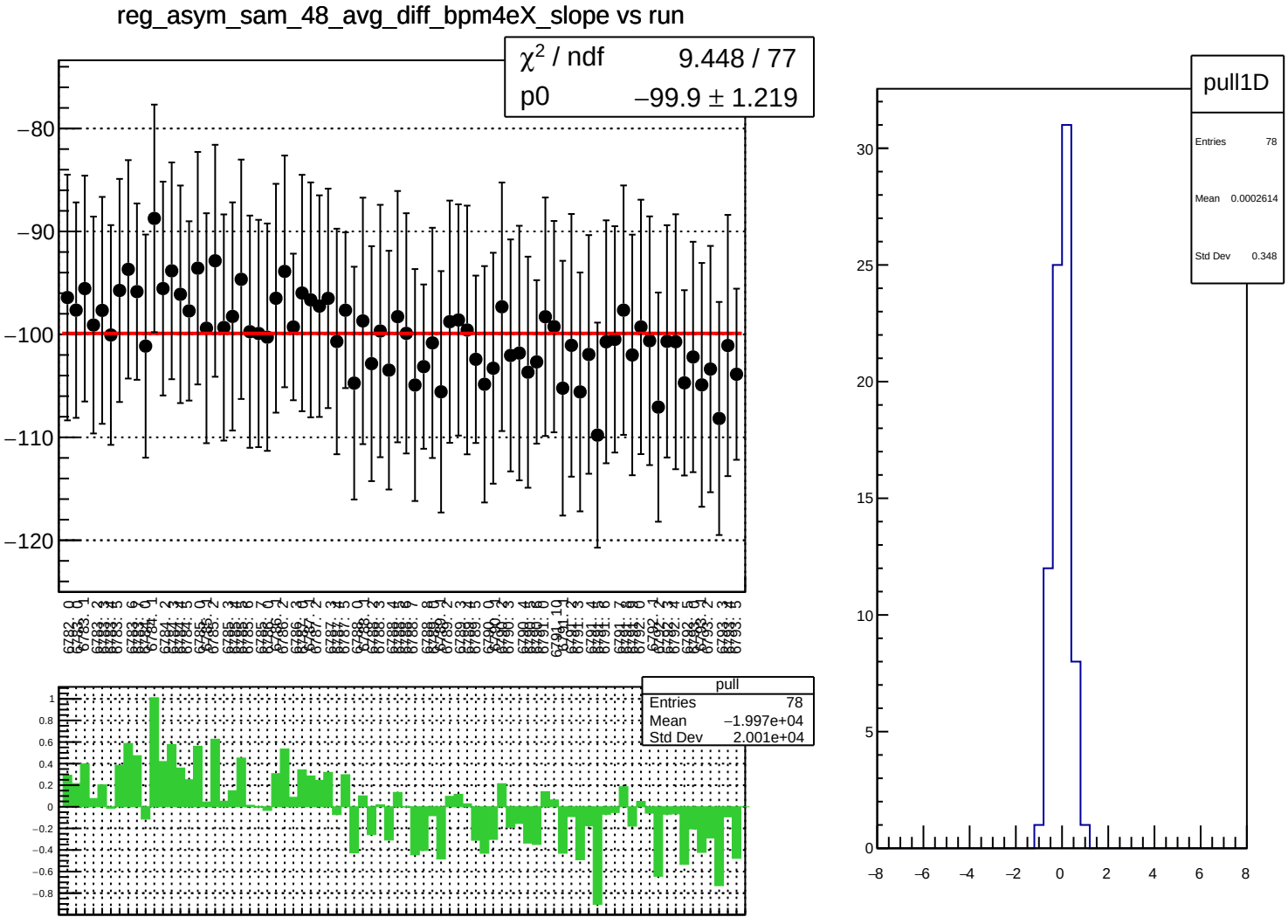

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 3.297 / 77
p0 −95.25 ± 1.989
pull
Entries 78
Mean 6502
Std Dev 6463
pull1D
Entries 78
Mean 0.0003357
Std Dev 0.2056

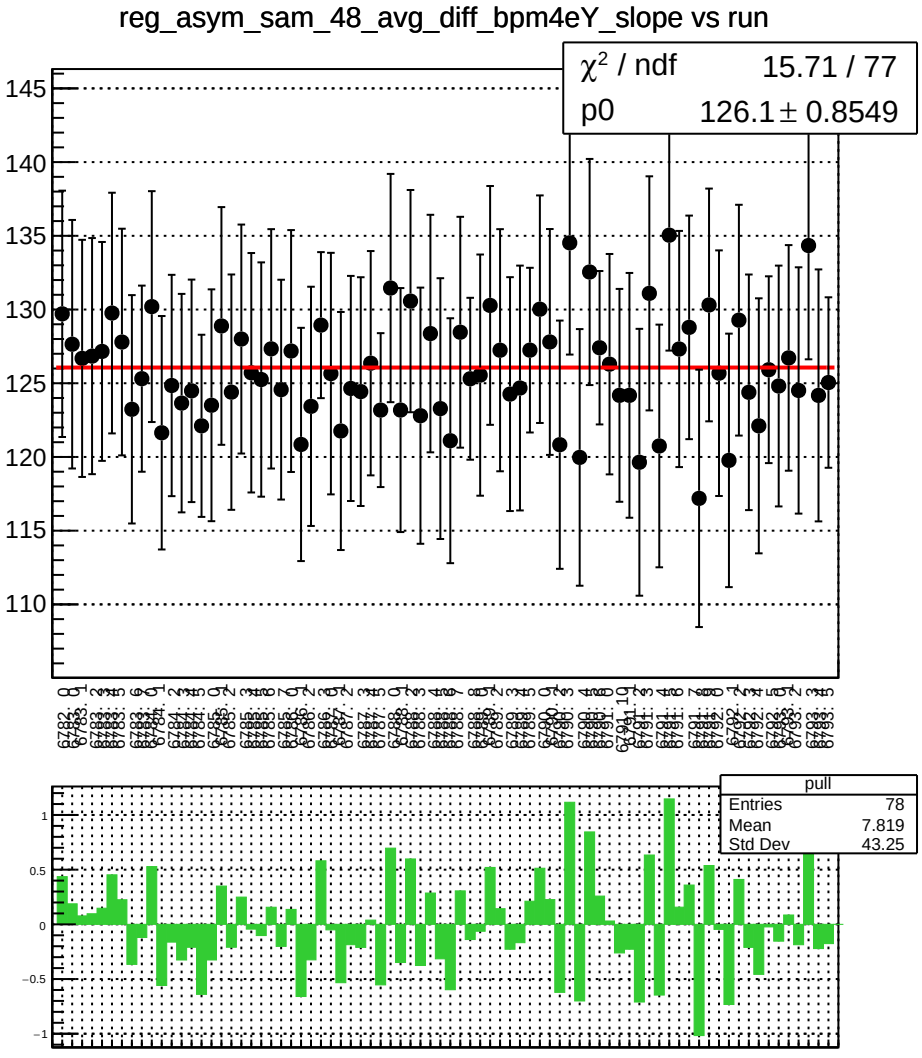

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 77
p0 −100 ± 1.395
pull
Entries 78
Mean 621.2
Std Dev 580.3
pull1D
Entries 78
Mean 0.006312
Std Dev 0.3619

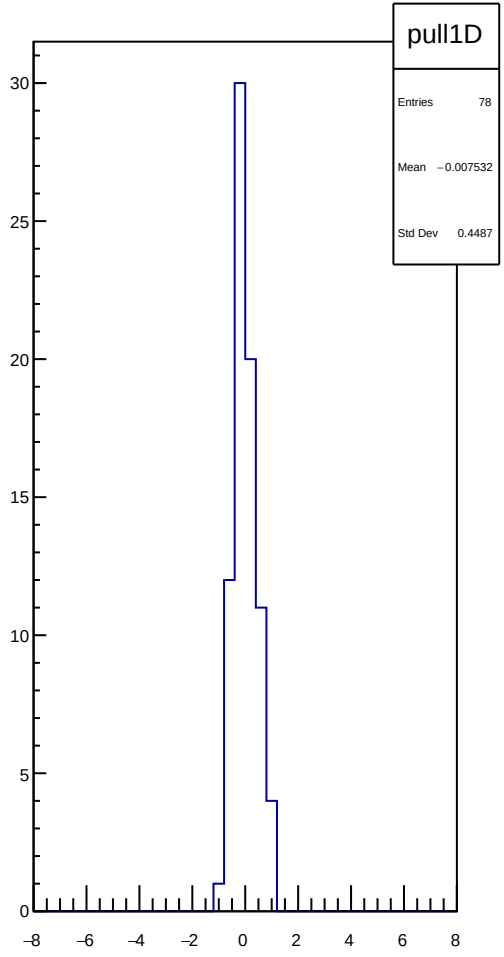

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.484 / 77
p0 1.212 ± 0.09335
pull
Entries 78
Mean −135
Std Dev 183.6
pull1D
Entries 78
Mean 0.003143
Std Dev 0.3298


reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.018 / 77
p0 −4.007 ± 1.305
pull
Entries 78
Mean −1902
Std Dev 1940
pull1D
Entries 78
Mean −0.001855
Std Dev 0.2536

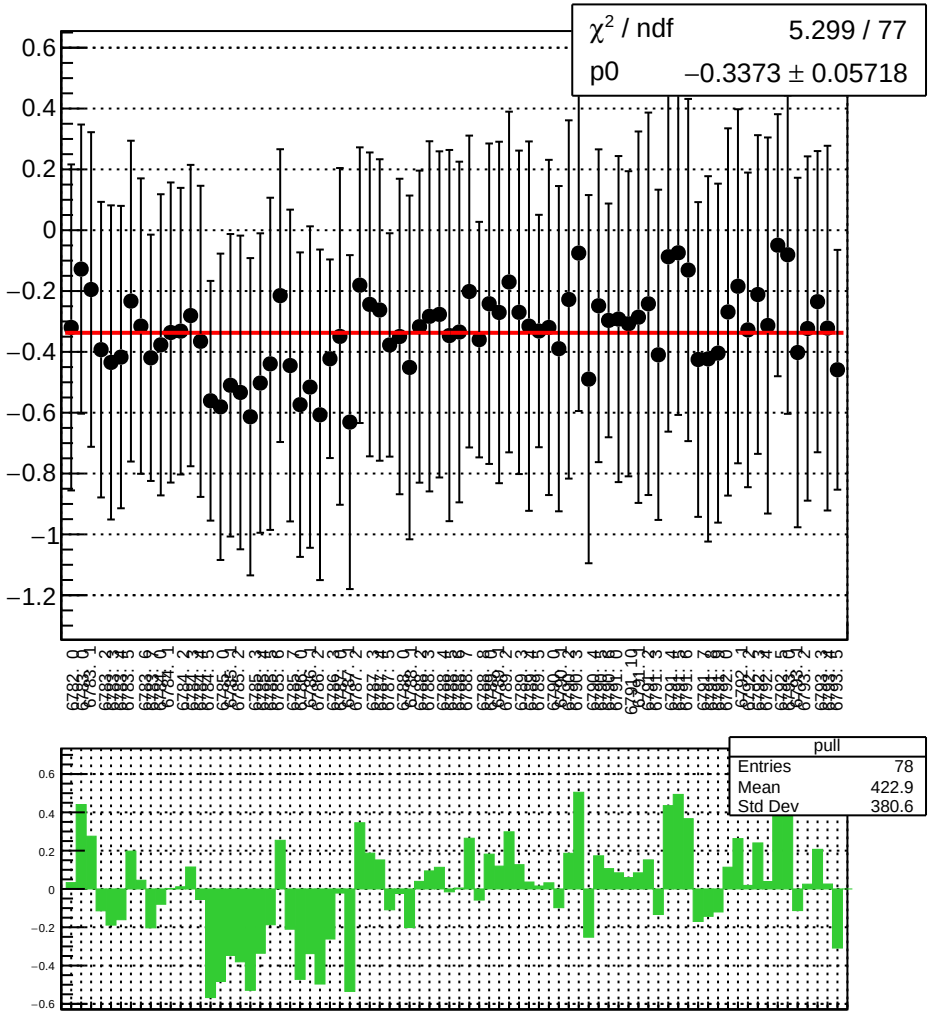

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.78 / 77
p0 −16.1 ± 0.6227
pull
Entries 78
Mean −2.887e+04
Std Dev 2.891e+04
pull1D
Entries 78
Mean −7.109e−05
Std Dev 0.3718

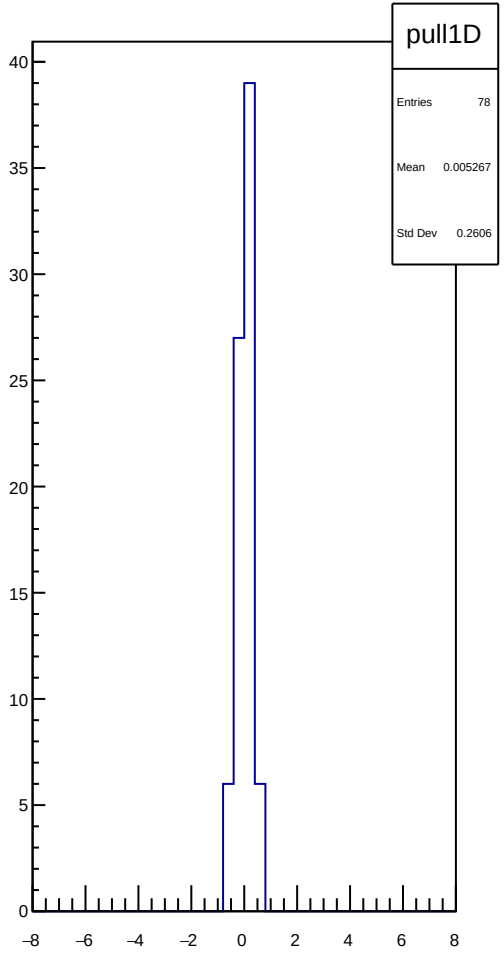

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.448 / 77
p0 −99.9 ± 1.219
pull
Entries 78
Mean −1.997e+04
Std Dev 2.001e+04
pull1D
Entries 78
Mean 0.0002614
Std Dev 0.348


reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.71 / 77
p0 126.1 ± 0.8549
pull
Entries 78
Mean 7.819
Std Dev 43.25

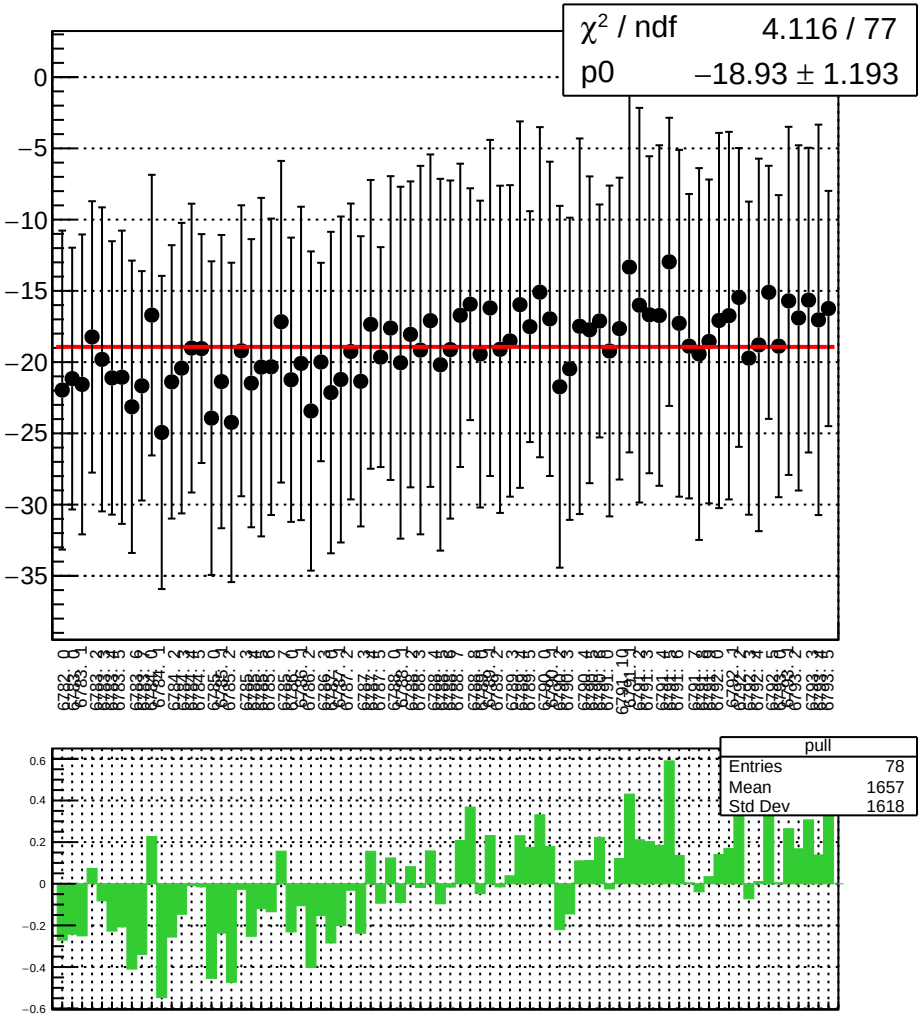

pull1D
Entries 78
Mean −0.007532
Std Dev 0.4487

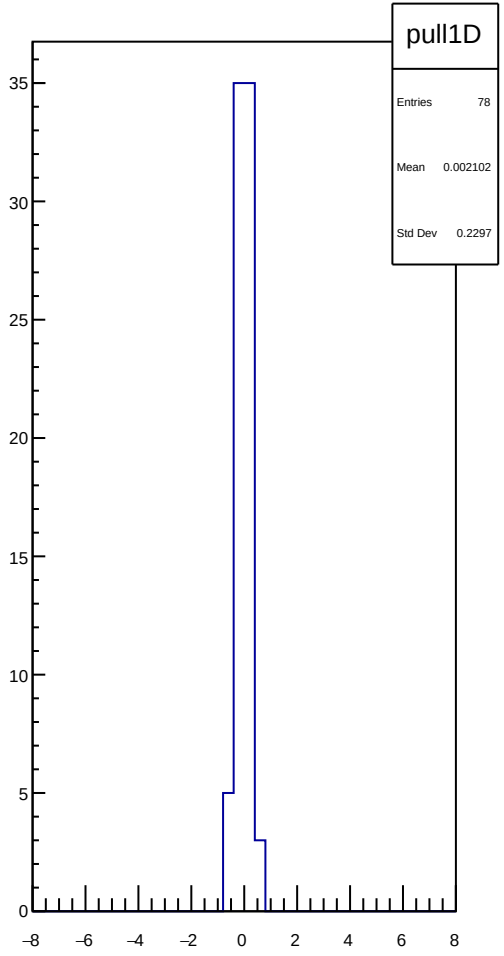
reg_asym_sam_48_avg_diff_bpm12X_slope vs run

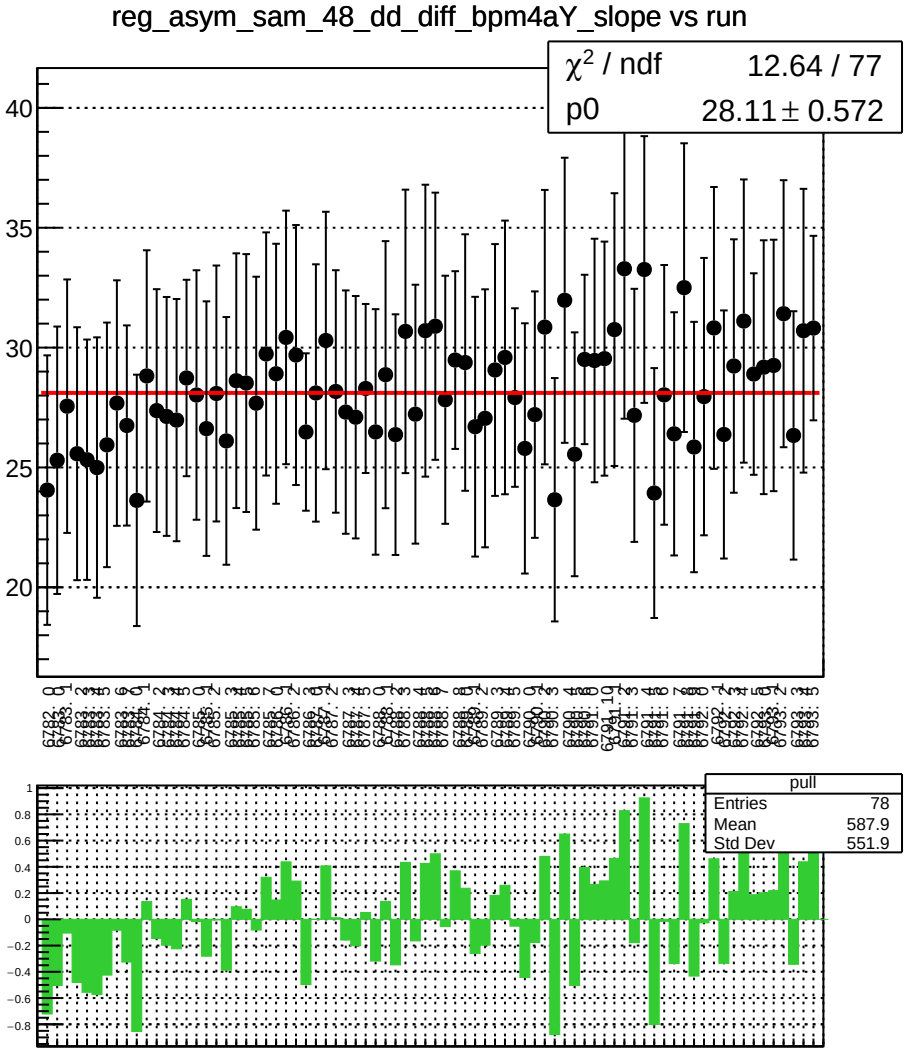


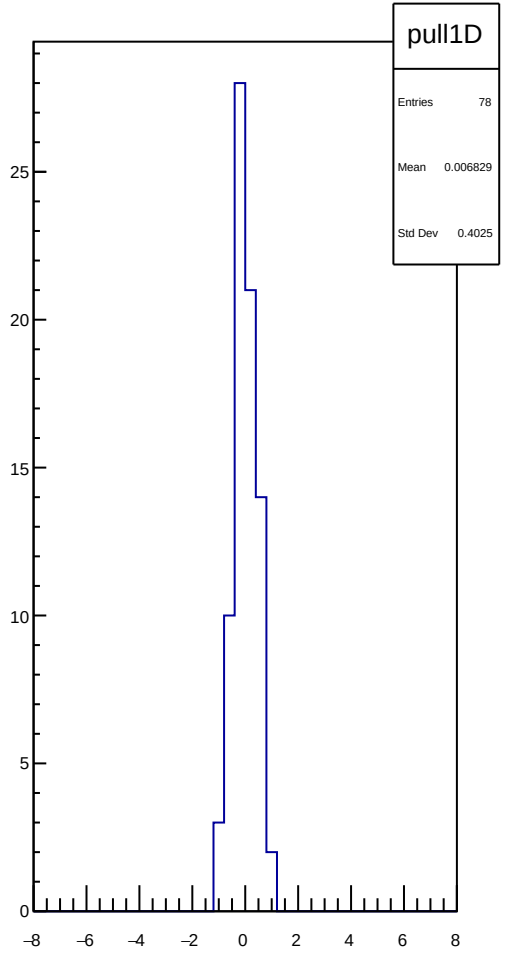


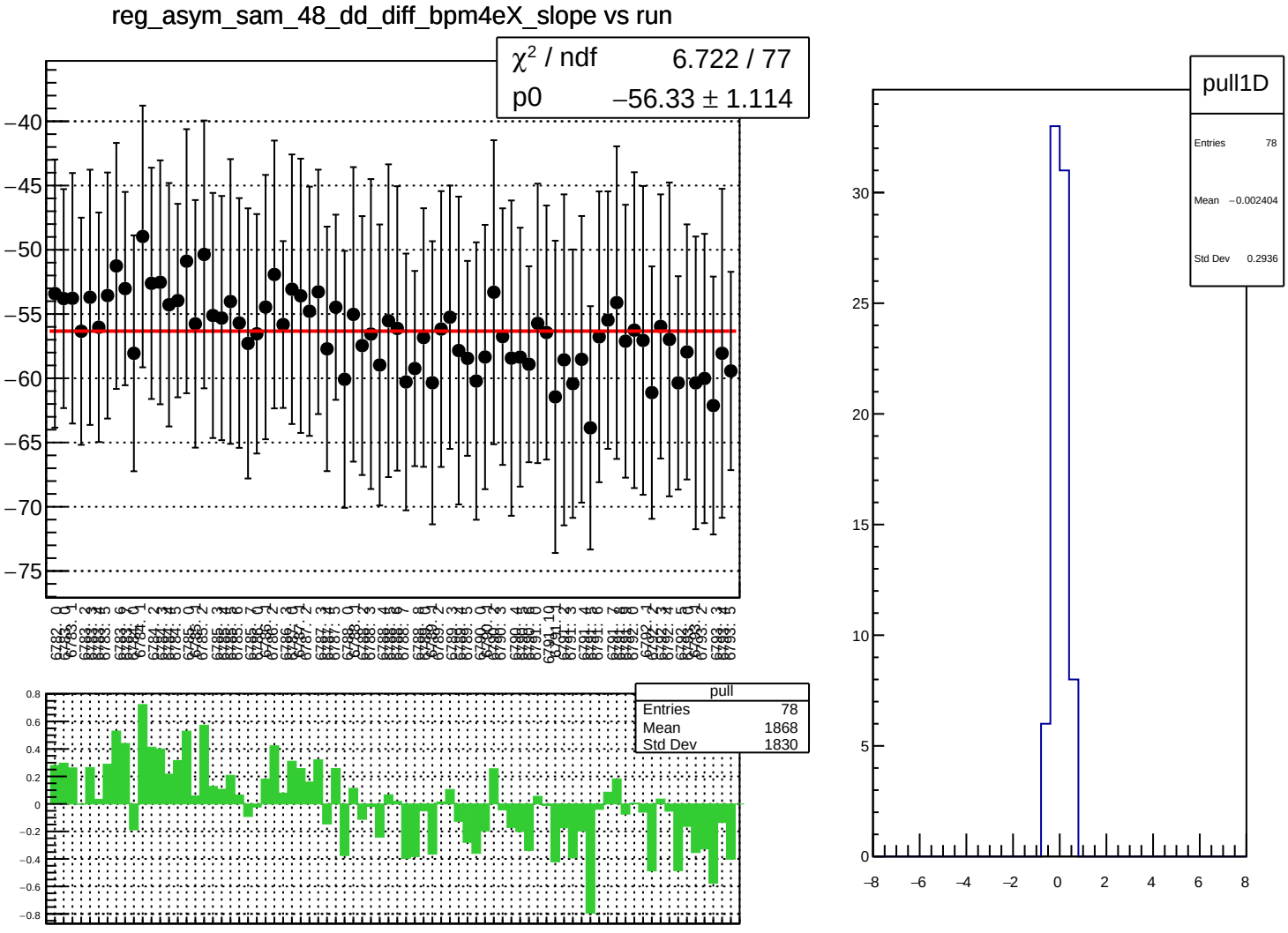
reg_asym_sam_48_dd_diff_bpm1X_slope vs run

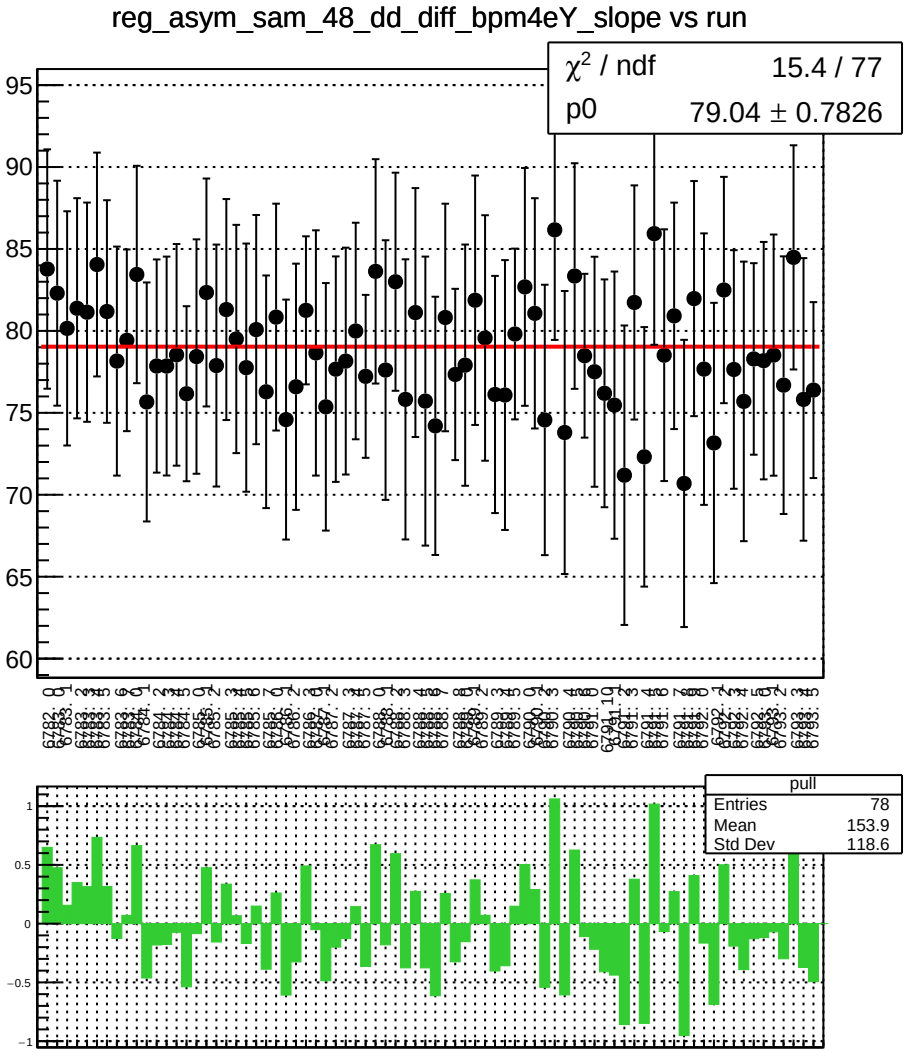


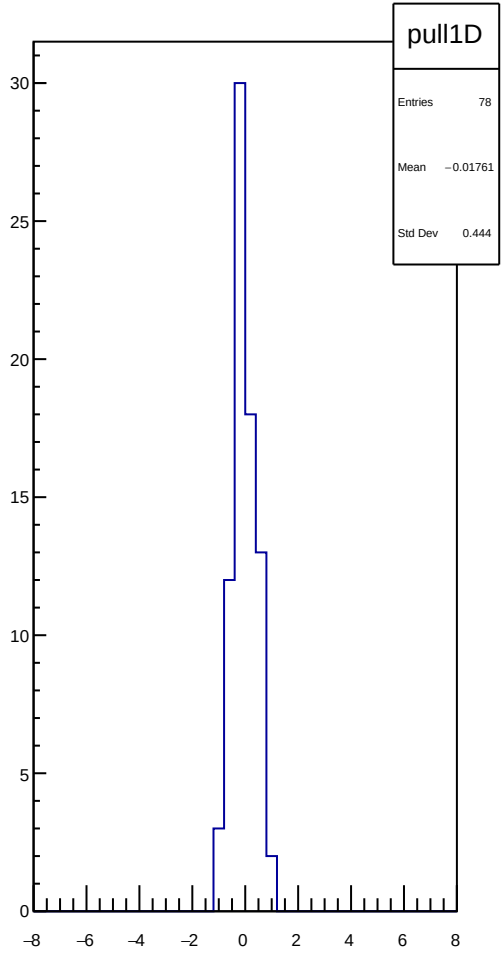


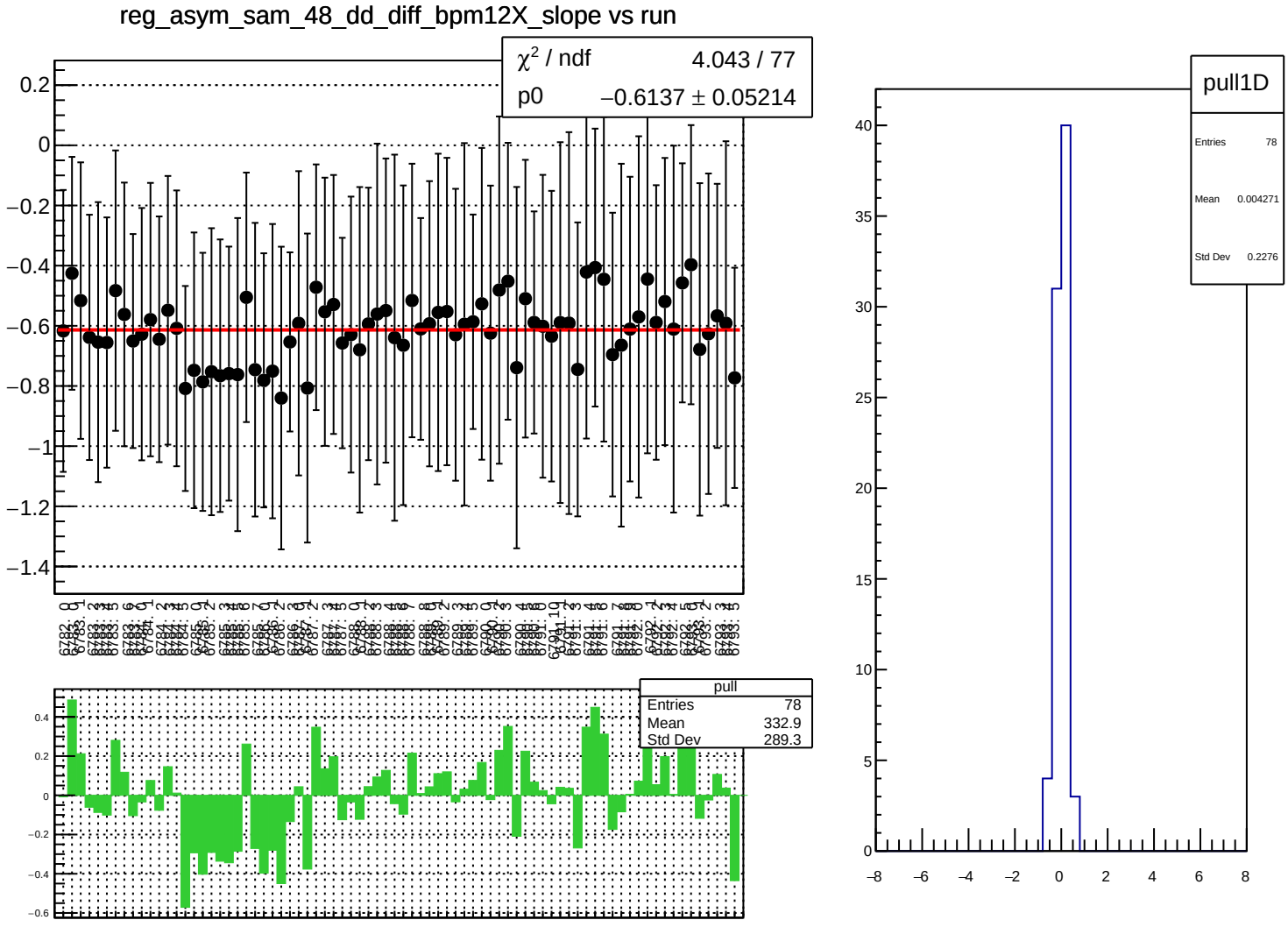

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 12.64 / 77
p0 28.11 ± 0.572
pull
Entries 78
Mean 587.9
Std Dev 551.9

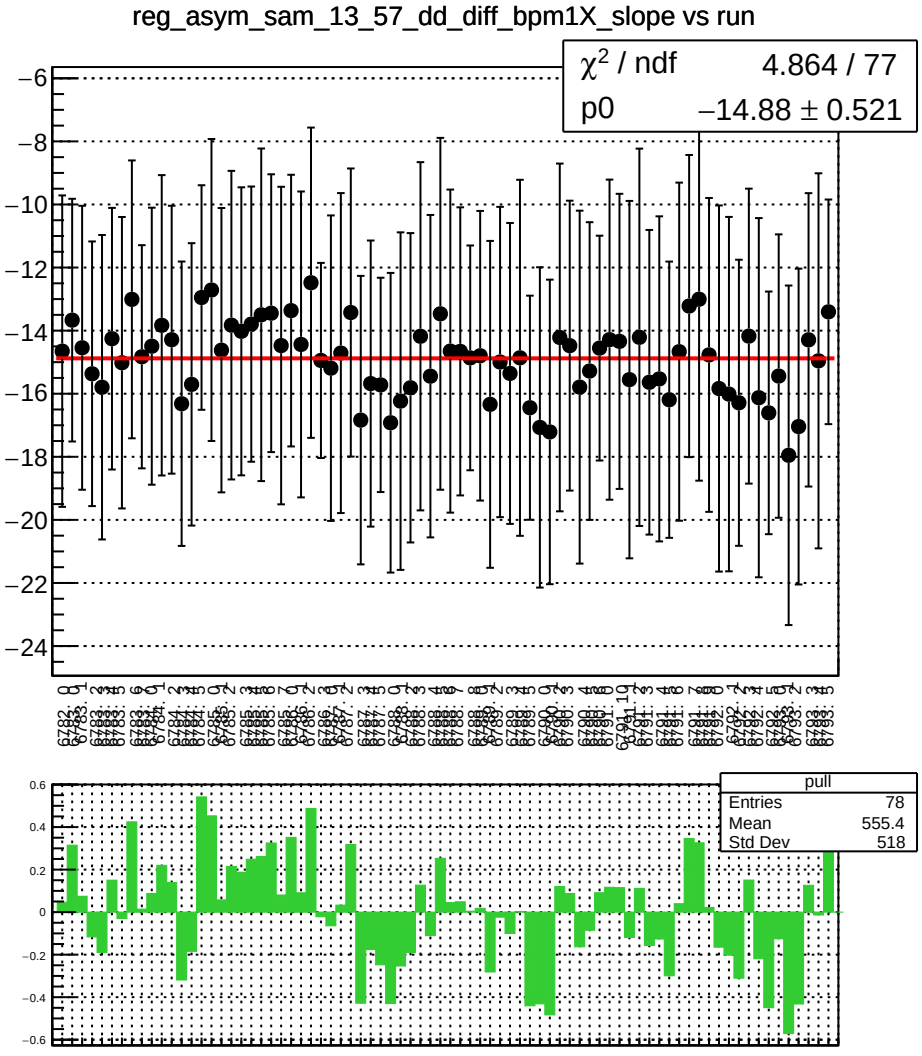

pull1D
Entries 78
Mean 0.006829
Std Dev 0.4025

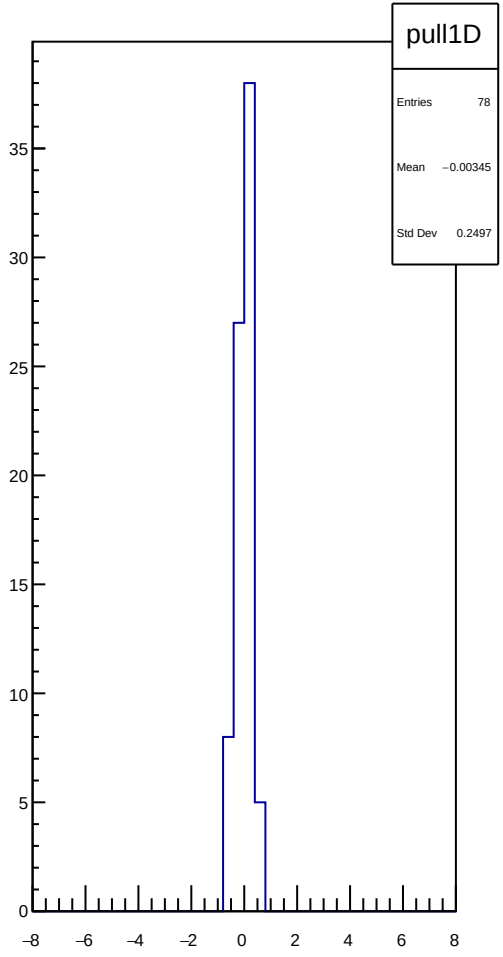

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.722 / 77
p0 −56.33 ± 1.114
pull
Entries 78
Mean 1868
Std Dev 1830
pull1D
Entries 78
Mean −0.002404
Std Dev 0.2936

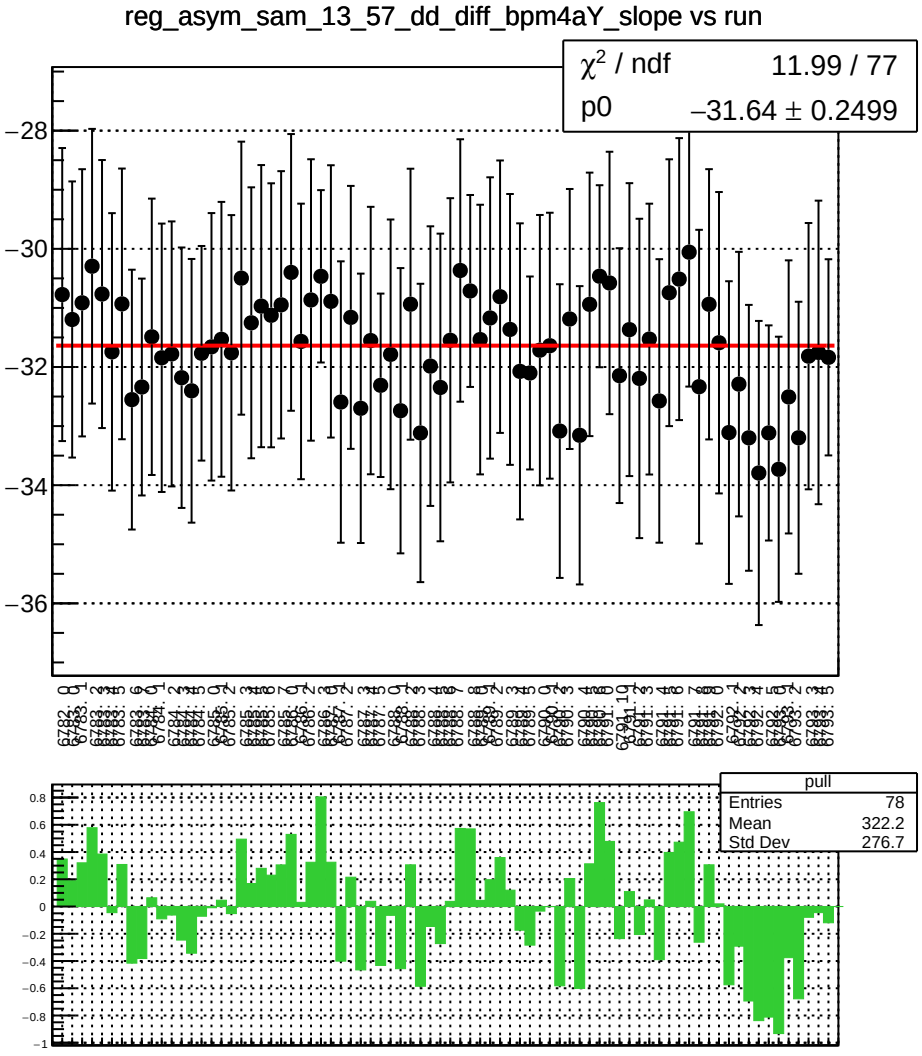

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 77
p0 79.04 ± 0.7826
pull
Entries 78
Mean 153.9
Std Dev 118.6

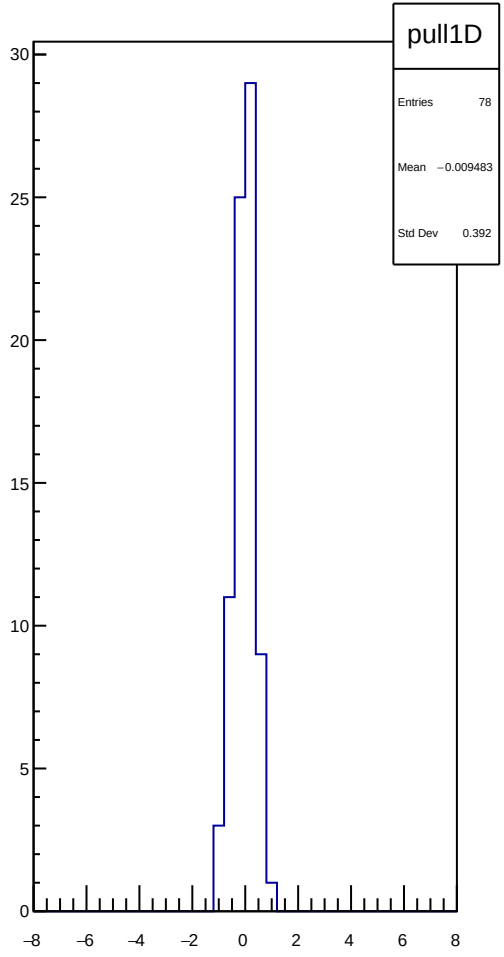

pull1D
Entries 78
Mean −0.01761
Std Dev 0.444


reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.043 / 77
p0 −0.6137 ± 0.05214
pull
Entries 78
Mean 332.9
Std Dev 289.3
pull1D
Entries 78
Mean 0.004271
Std Dev 0.2276

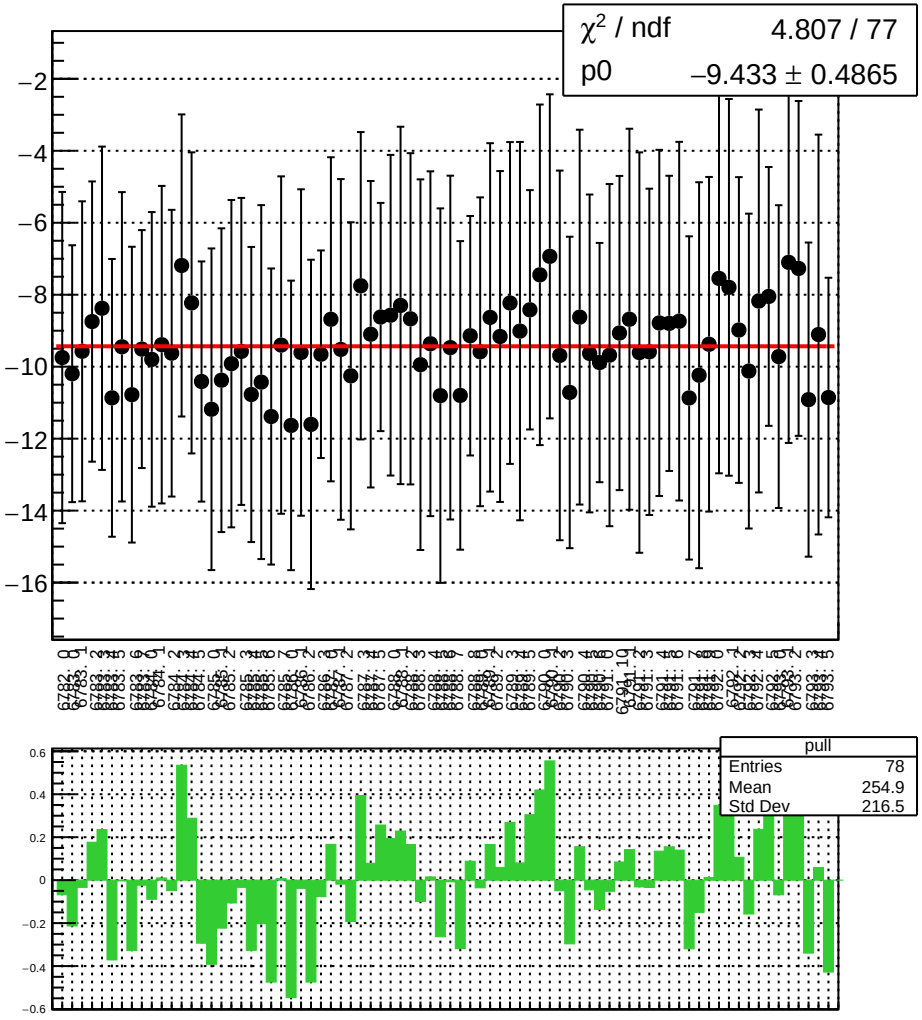

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.864 / 77
p0 −14.88 ± 0.521
pull
Entries 78
Mean 555.4
Std Dev 518

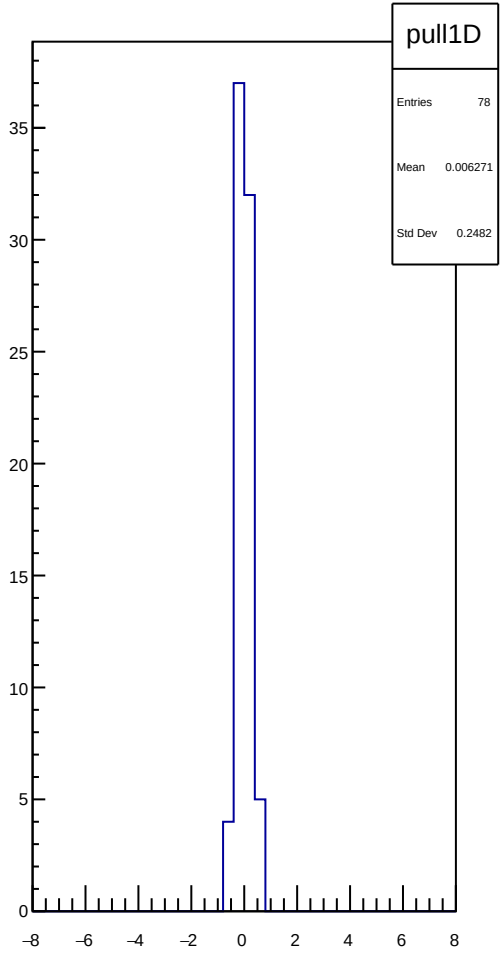

pull1D
Entries 78
Mean −0.00345
Std Dev 0.2497

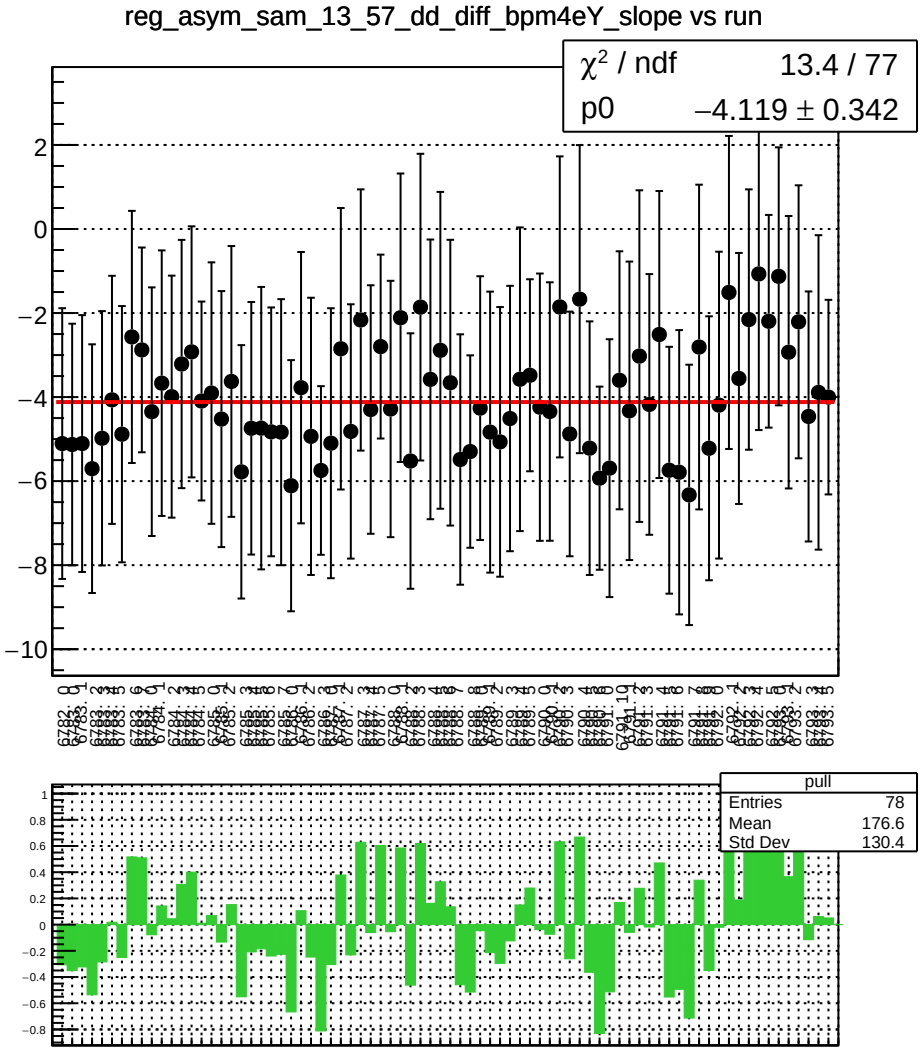

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.99 / 77
p0 −31.64 ± 0.2499
pull
Entries 78
Mean 322.2
Std Dev 276.7

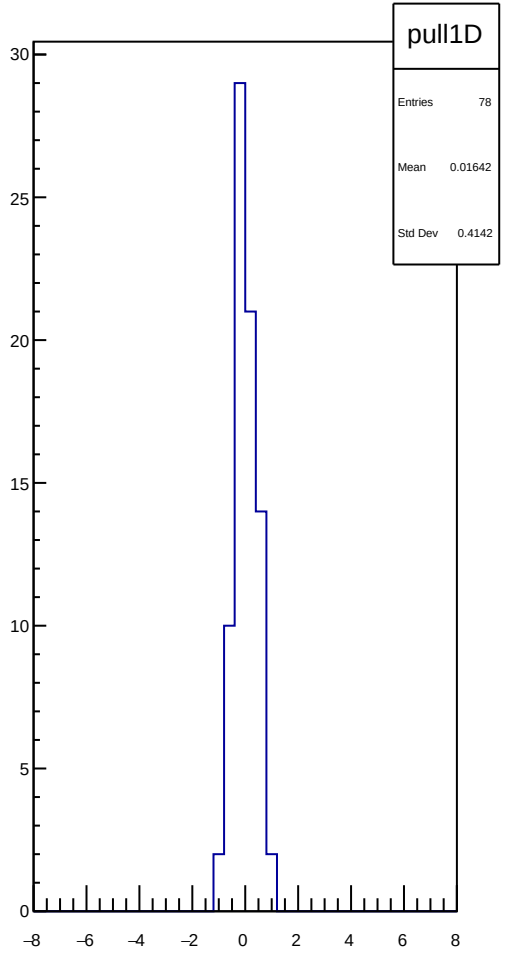

pull1D
Entries 78
Mean −0.009483
Std Dev 0.392

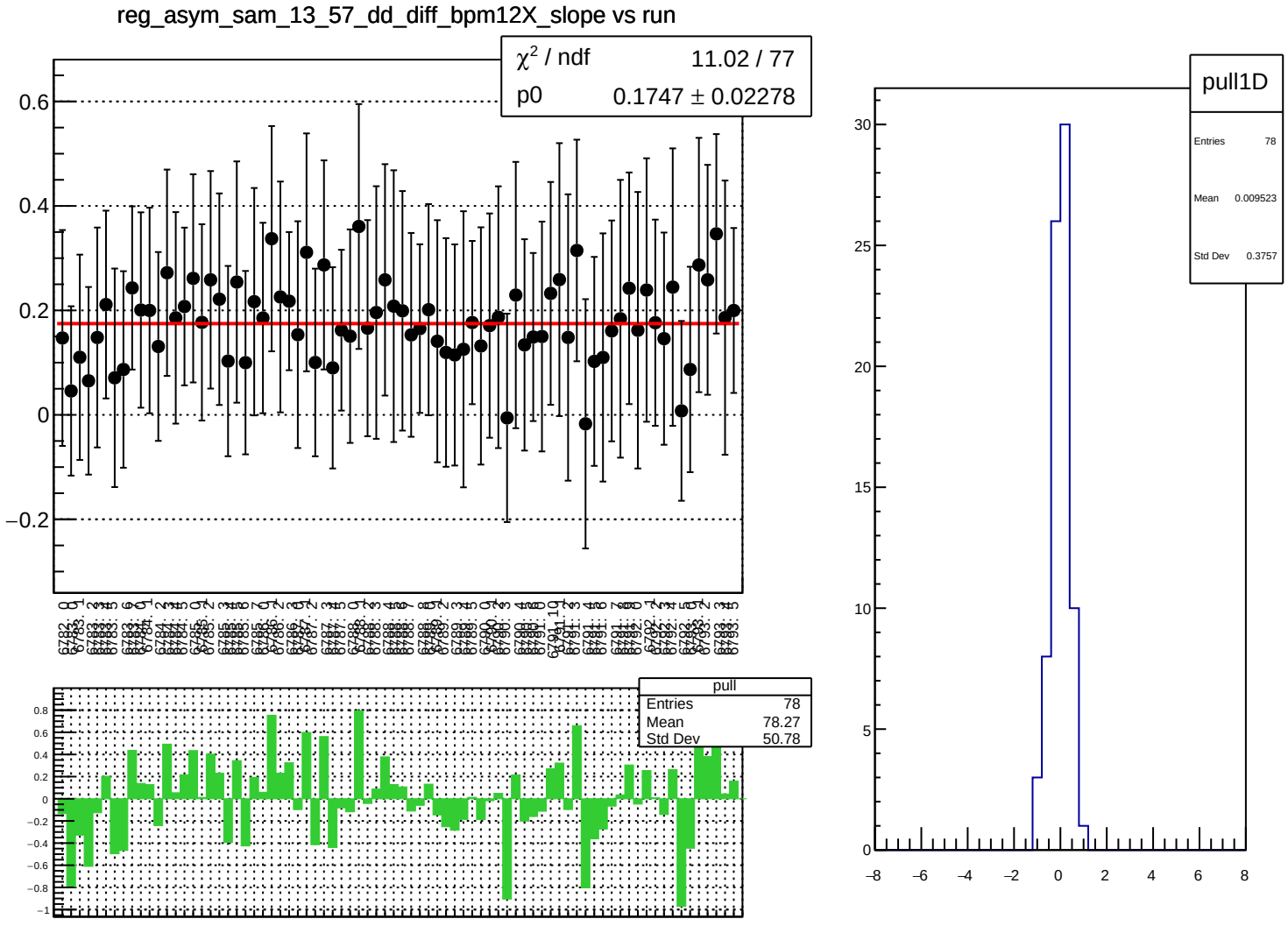
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

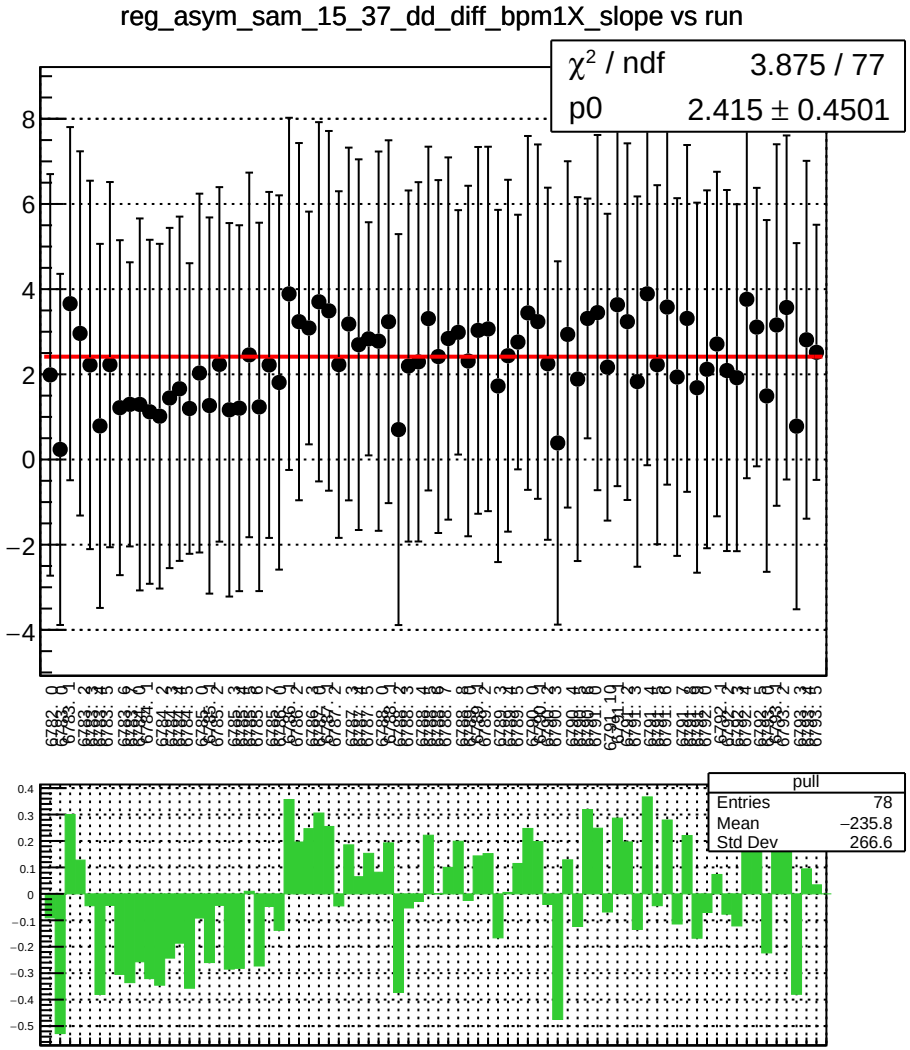


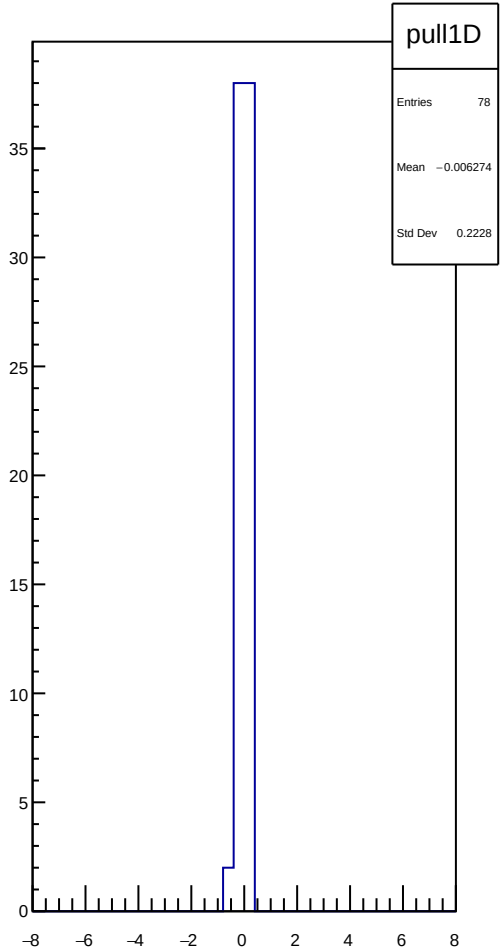



reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.4 / 77
p0 −4.119 ± 0.342
pull
Entries 78
Mean 176.6
Std Dev 130.4

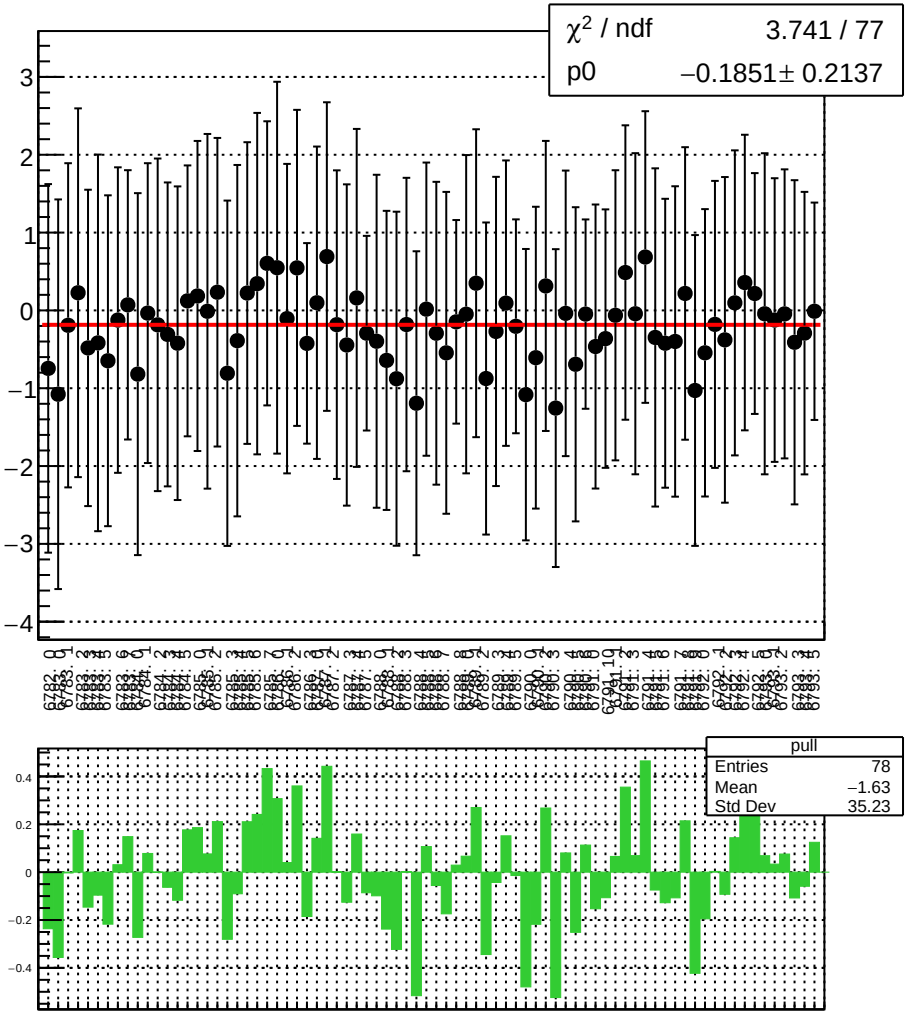

pull1D
Entries 78
Mean 0.01642
Std Dev 0.4142

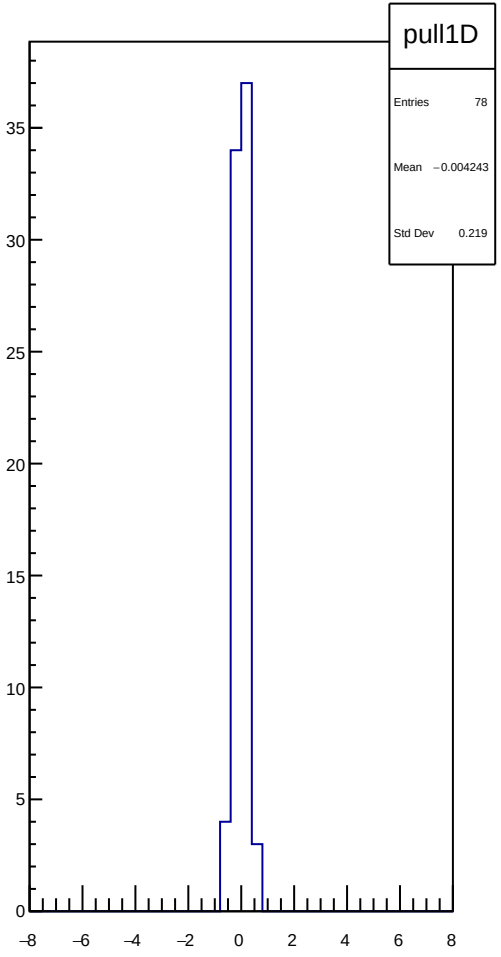

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 11.02 / 77
p0 0.1747 ± 0.02278
pull
Entries 78
Mean 78.27
Std Dev 50.78
pull1D
Entries 78
Mean 0.009523
Std Dev 0.3757

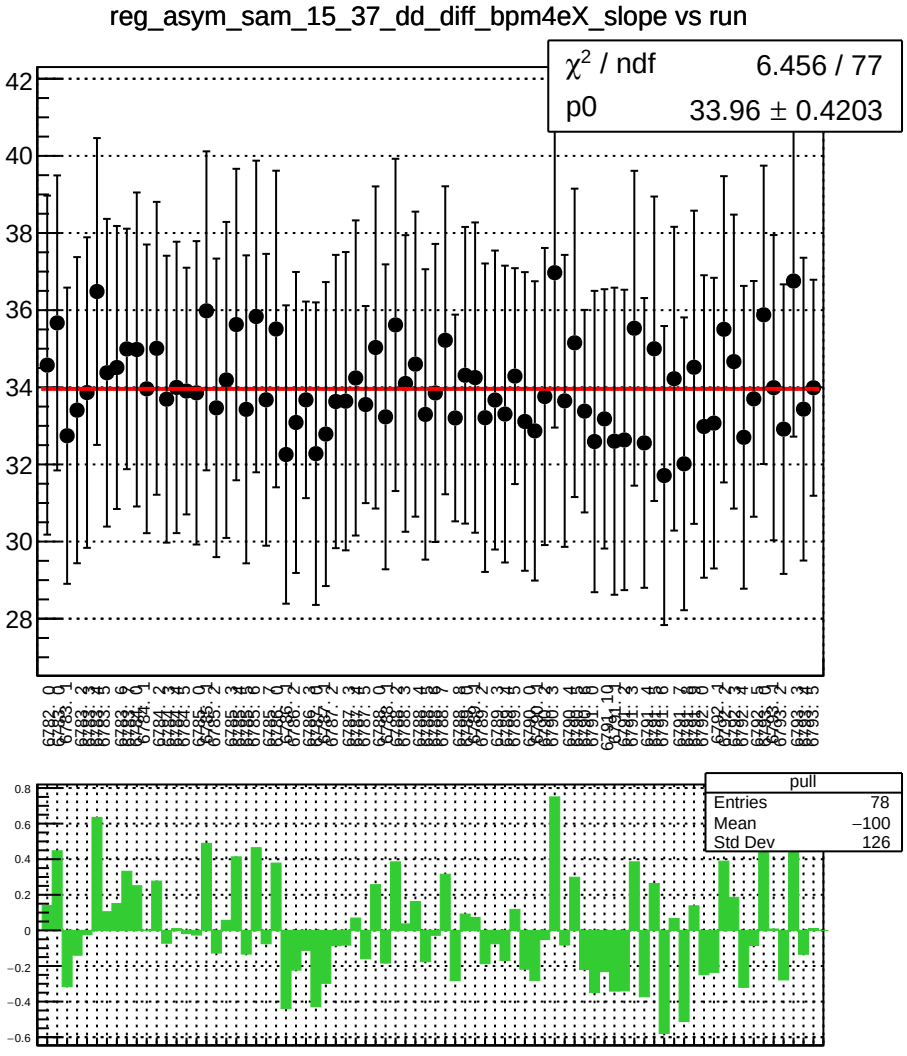

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.875 / 77
p0 2.415 ± 0.4501
pull
Entries 78
Mean −235.8
Std Dev 266.6

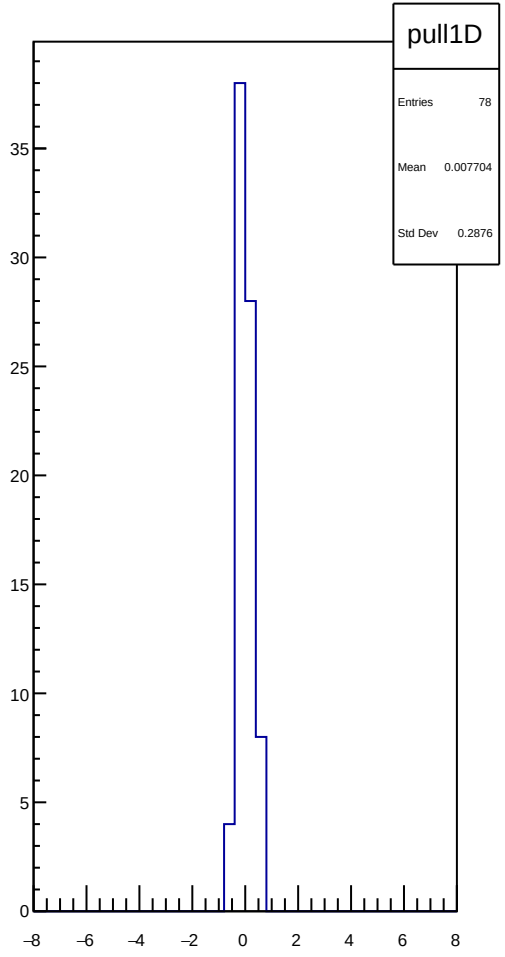

pull1D
Entries 78
Mean −0.006274
Std Dev 0.2228

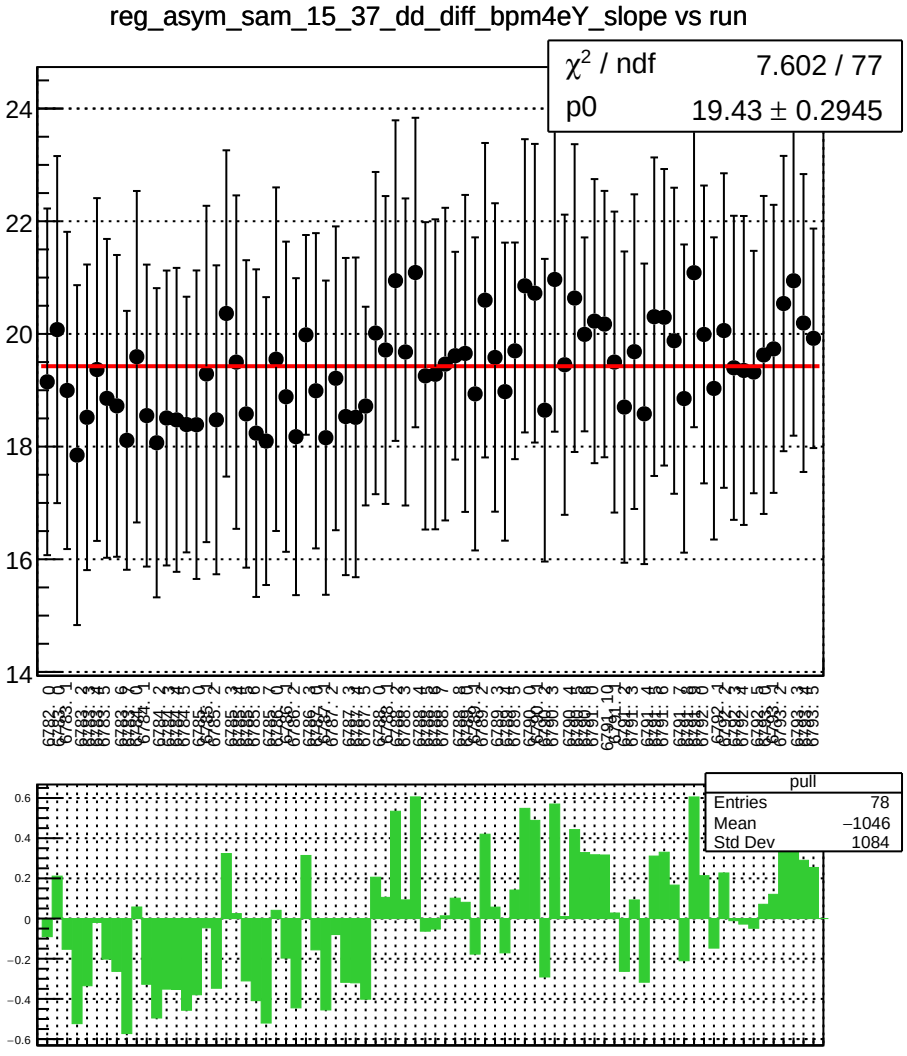
reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run

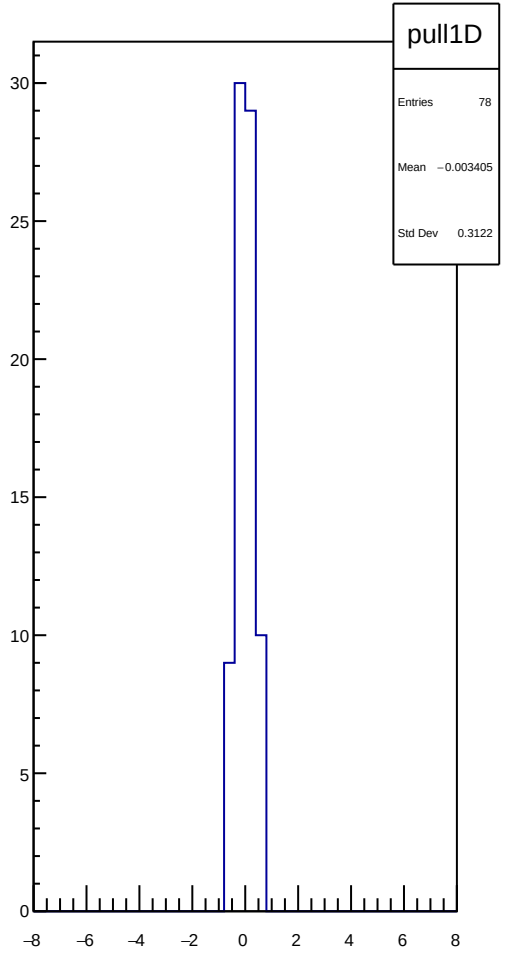


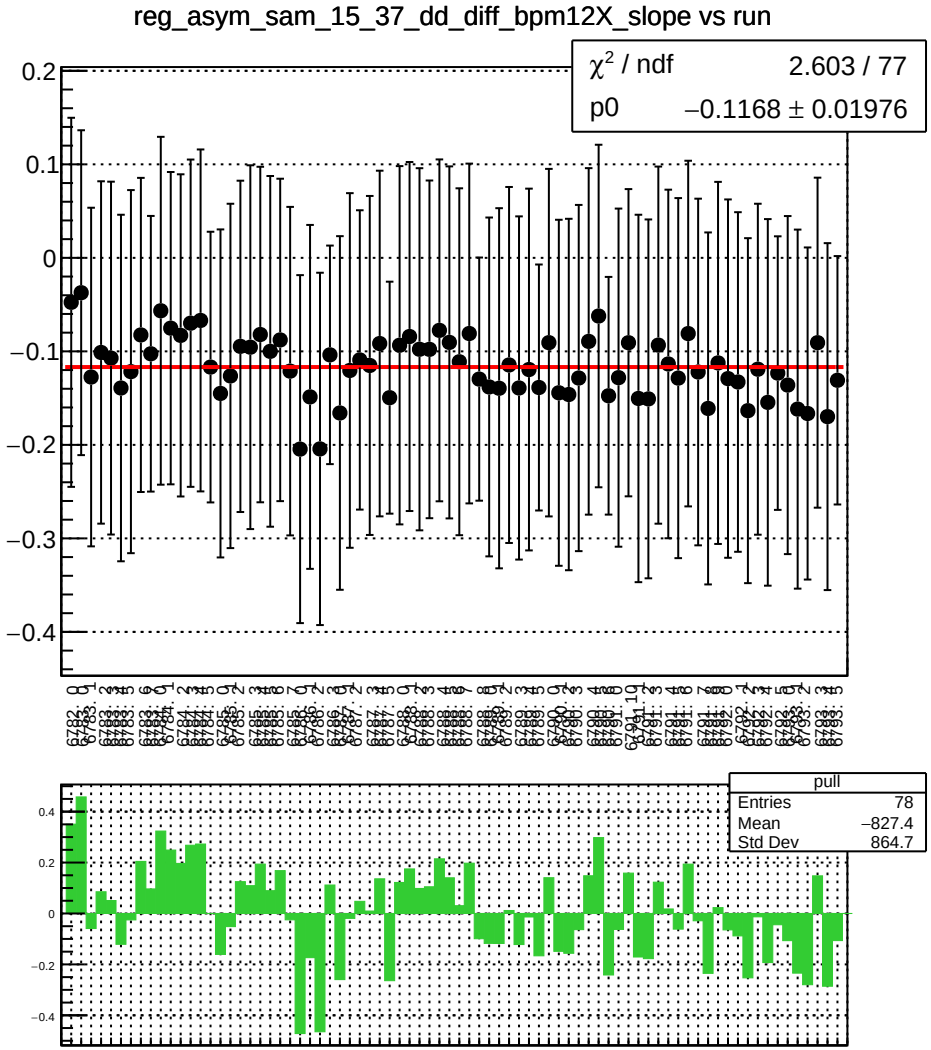


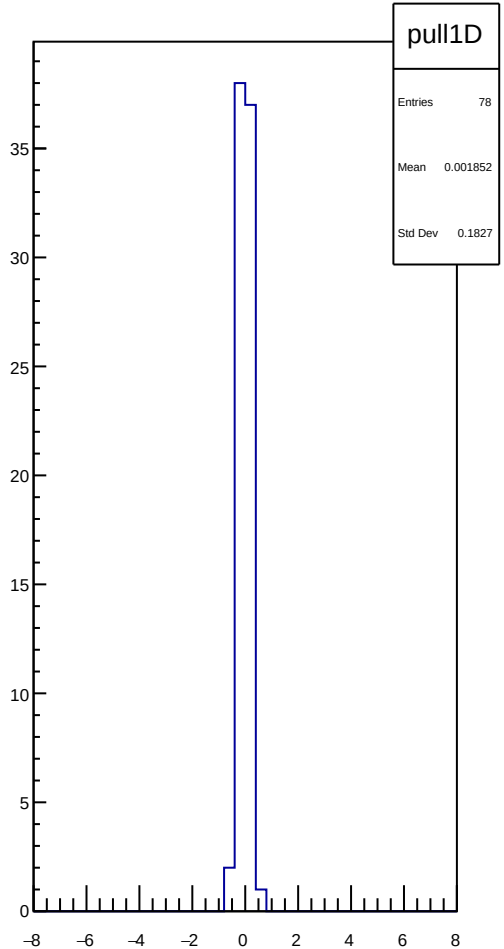

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.456 / 77
p0 33.96 ± 0.4203
pull
Entries 78
Mean −100
Std Dev 126

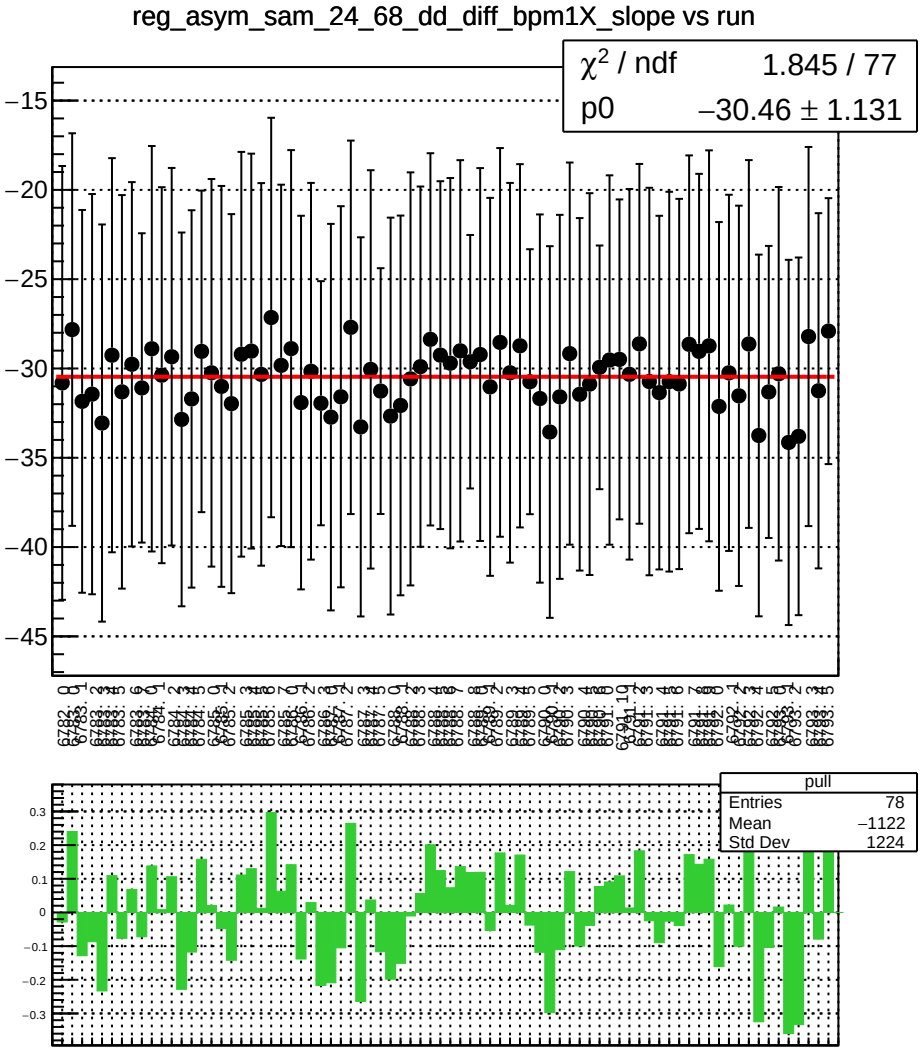

pull1D
Entries 78
Mean 0.007704
Std Dev 0.2876

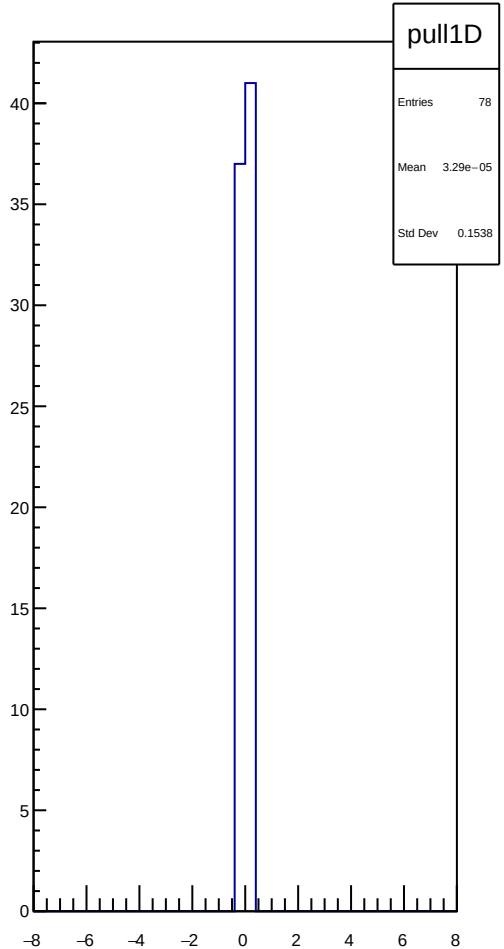

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.602 / 77
p0 19.43 ± 0.2945
pull
Entries 78
Mean −1046
Std Dev 1084

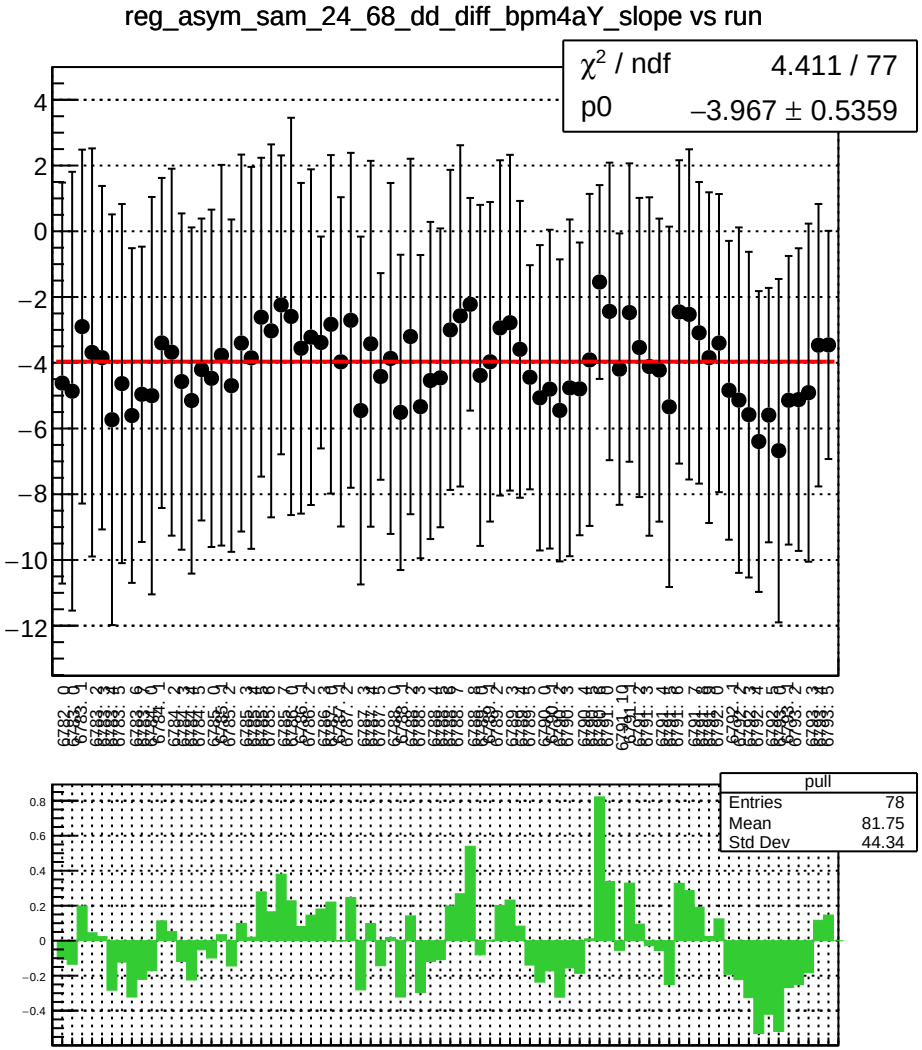

pull1D
Entries 78
Mean −0.003405
Std Dev 0.3122

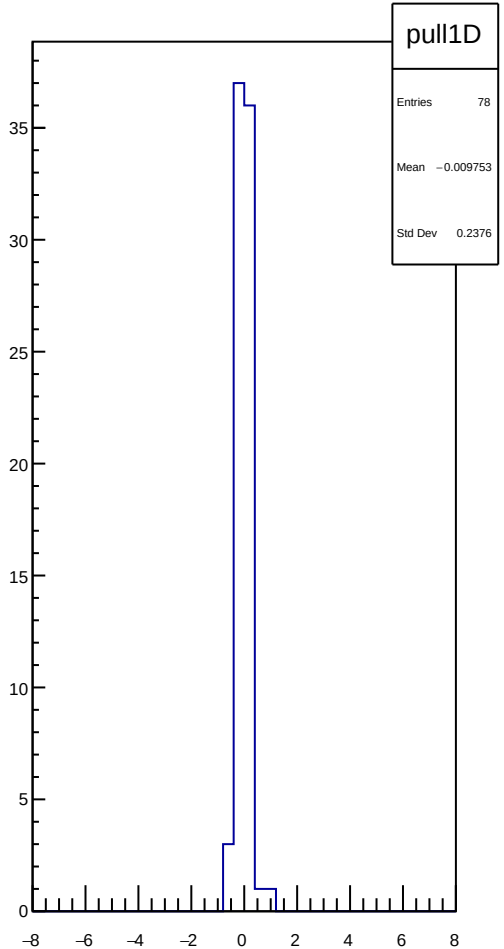

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.603 / 77
p0 −0.1168 ± 0.01976
pull
Entries 78
Mean −827.4
Std Dev 864.7

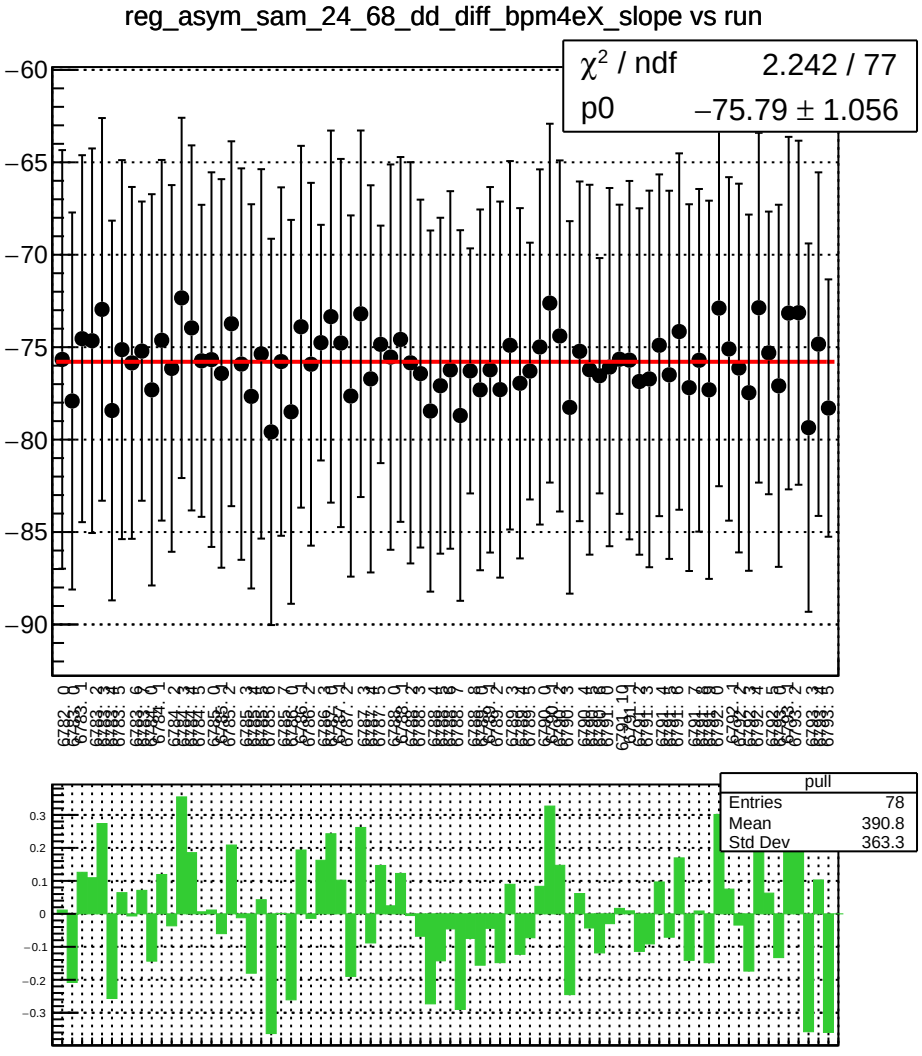

pull1D
Entries 78
Mean 0.001852
Std Dev 0.1827

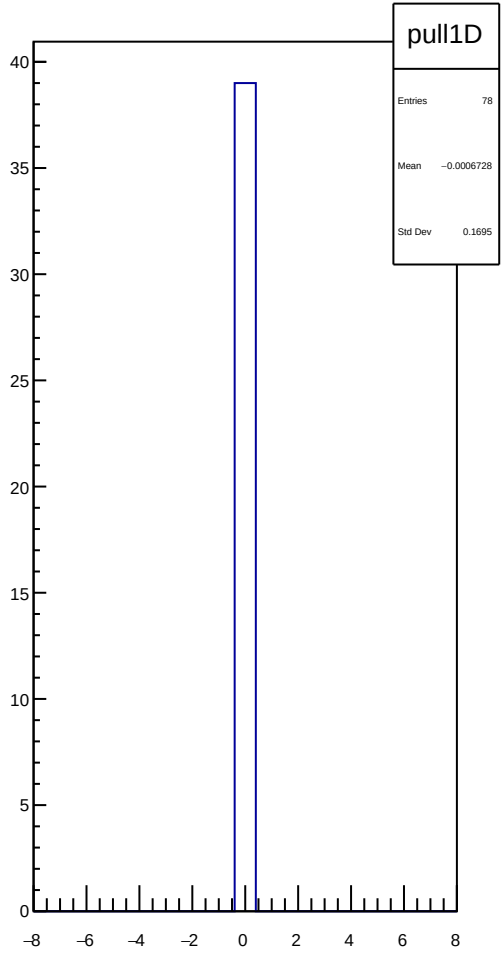

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.845 / 77
p0 −30.46 ± 1.131
pull
Entries 78
Mean −1122
Std Dev 1224


pull1D
Entries 78
Mean 3.29e−05
Std Dev 0.1538

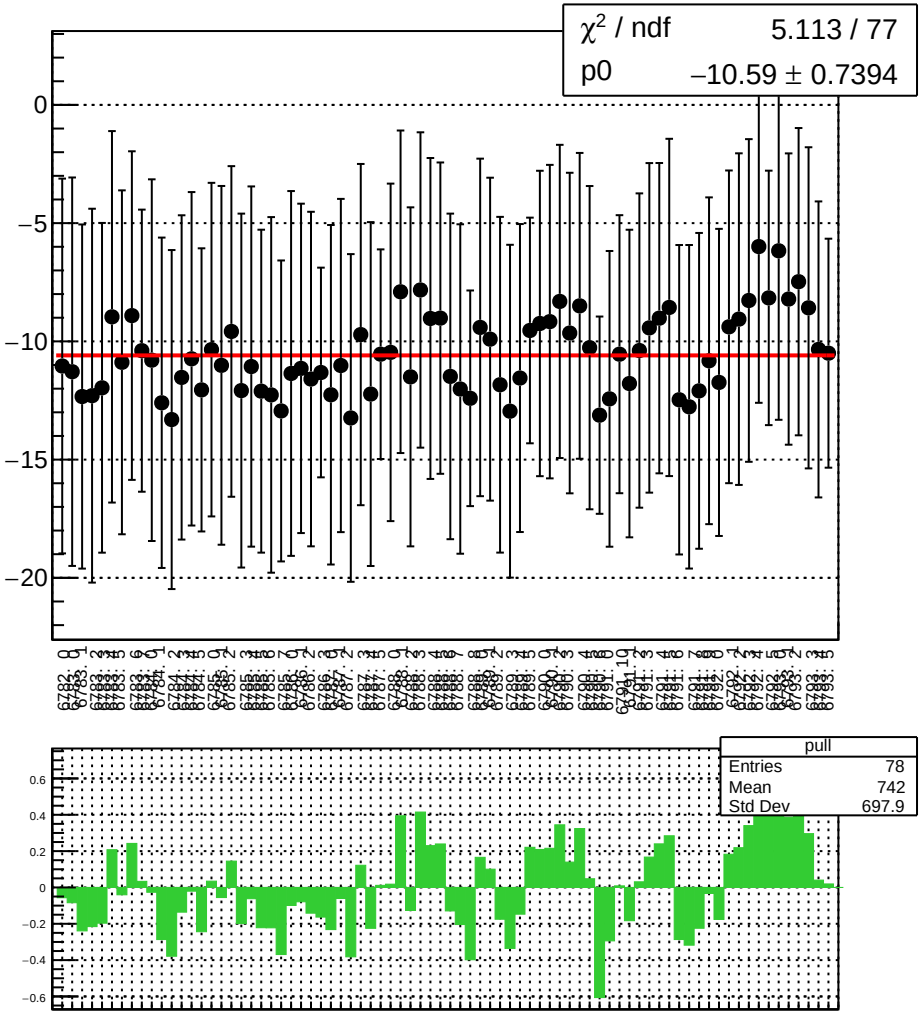

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.411 / 77
p0 −3.967 ± 0.5359
pull
Entries 78
Mean 81.75
Std Dev 44.34

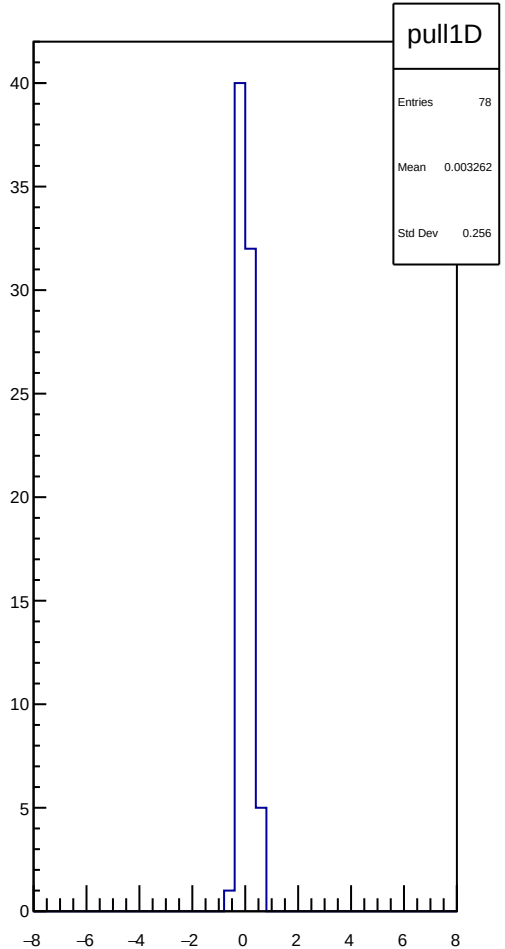

pull1D
Entries 78
Mean −0.009753
Std Dev 0.2376

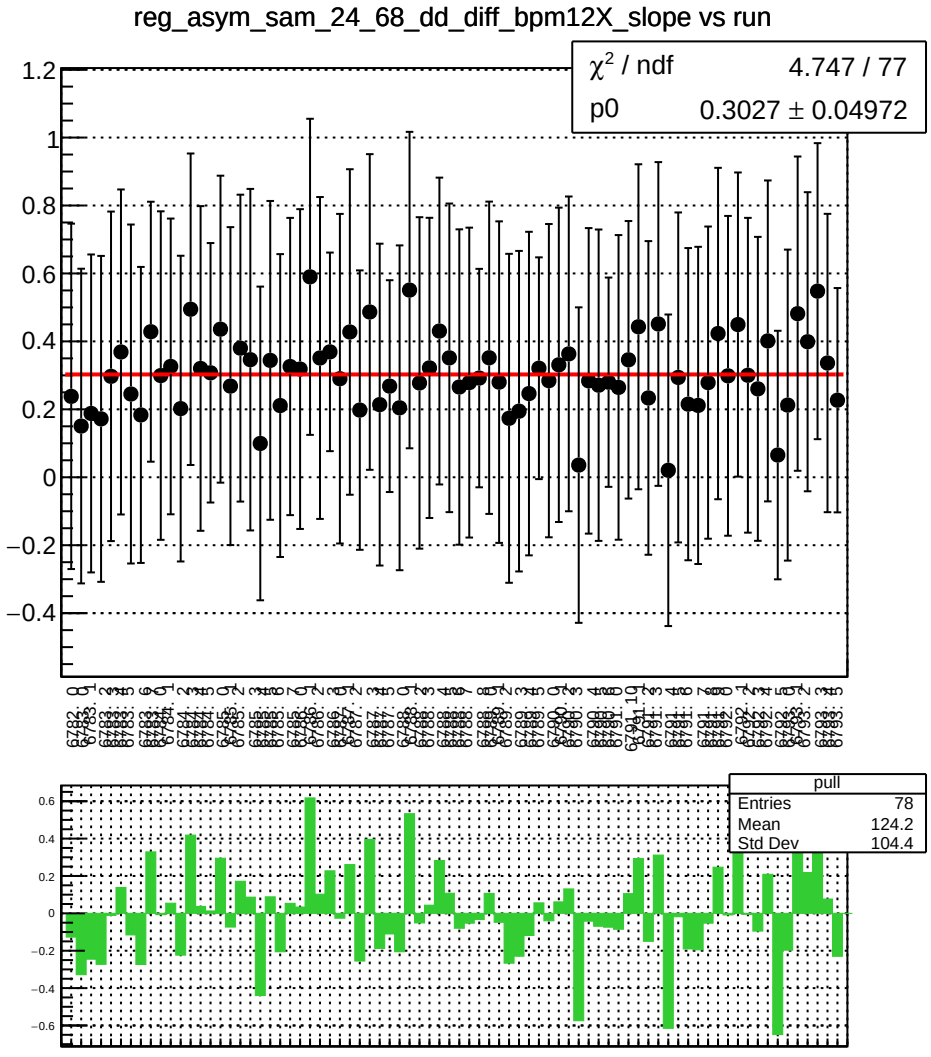

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.242 / 77
p0 −75.79 ± 1.056
pull
Entries 78
Mean 390.8
Std Dev 363.3

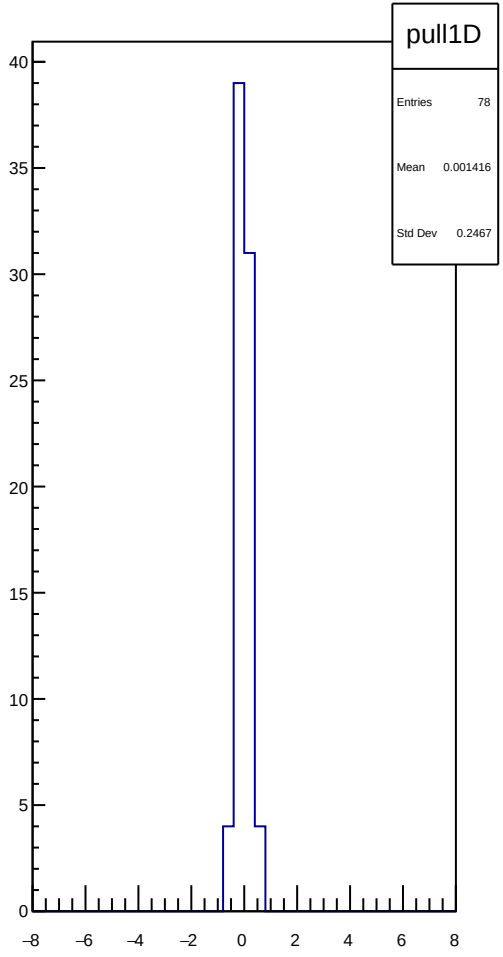

pull1D
Entries 78
Mean −0.0006728
Std Dev 0.1695

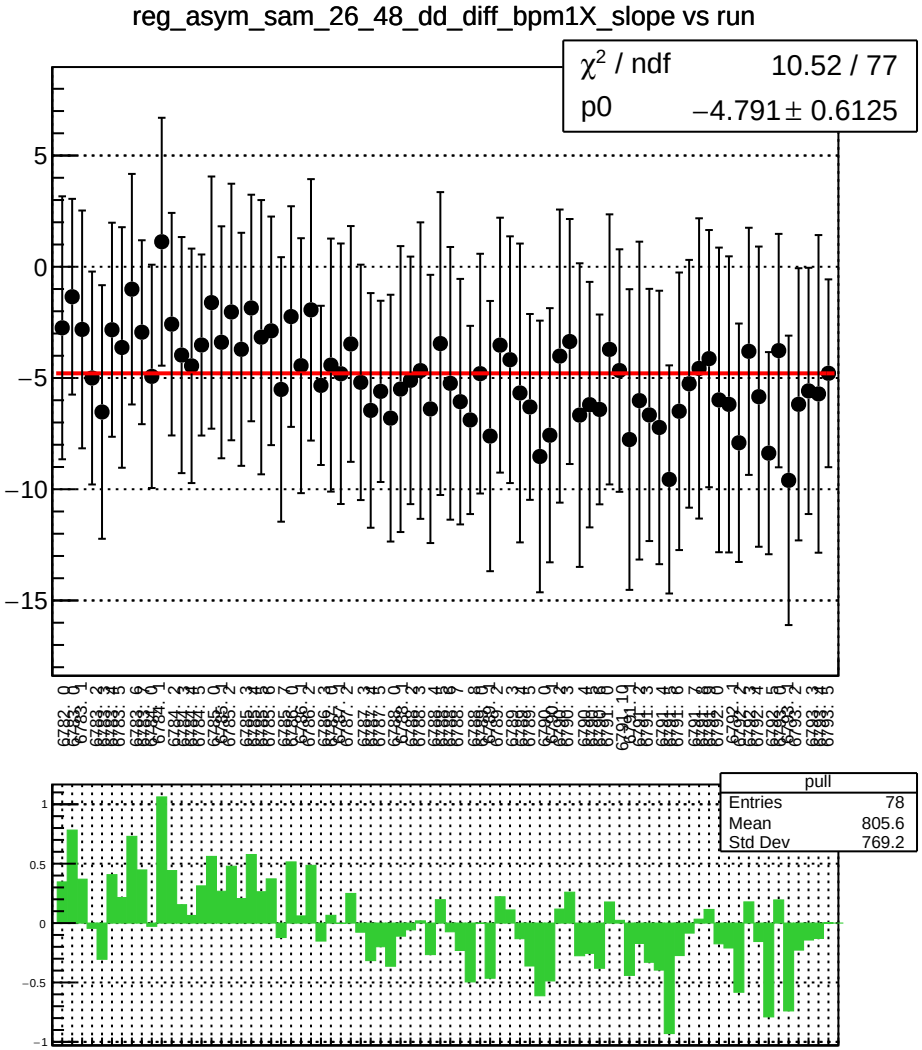
reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run

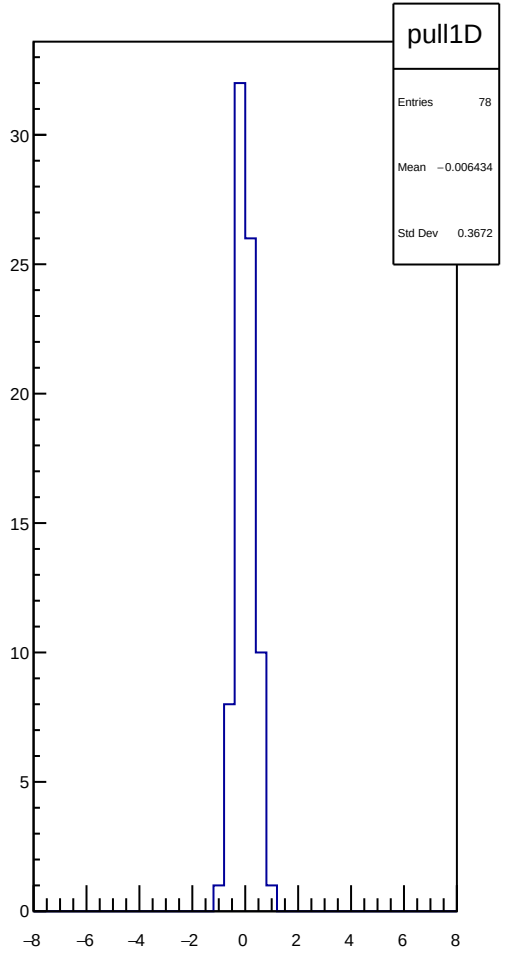


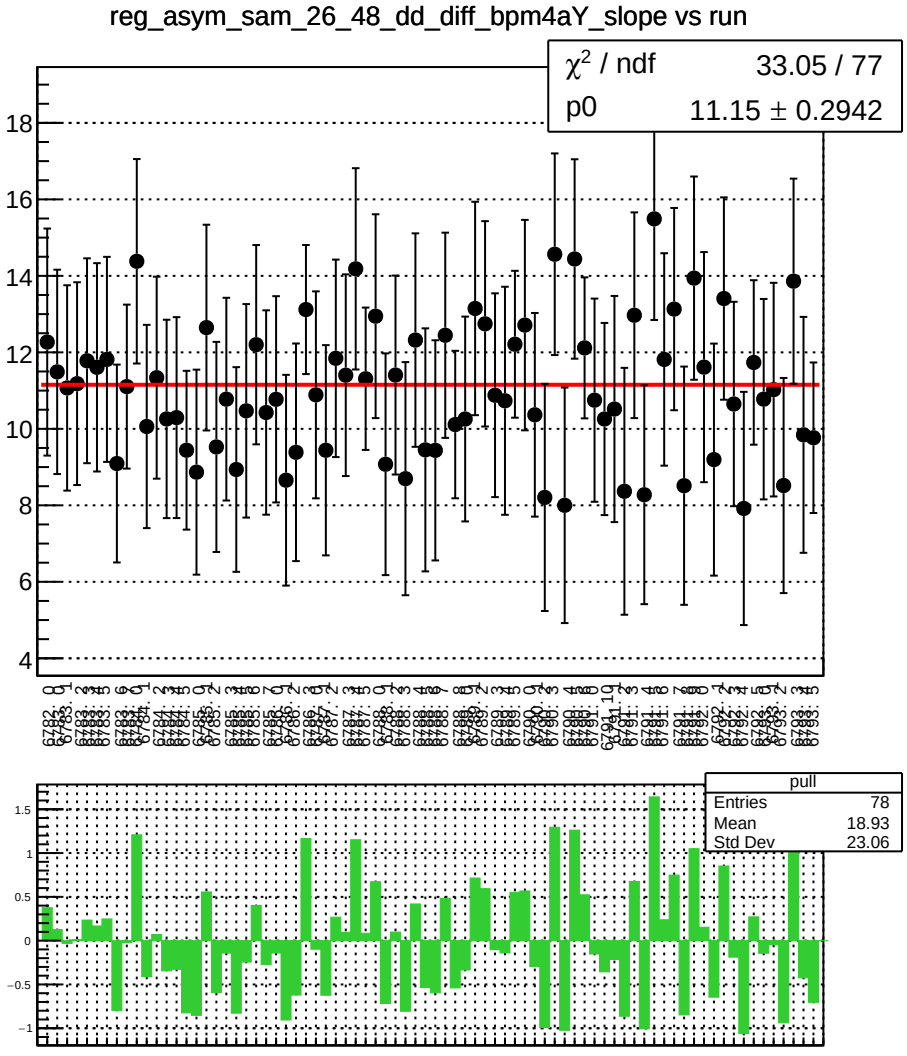


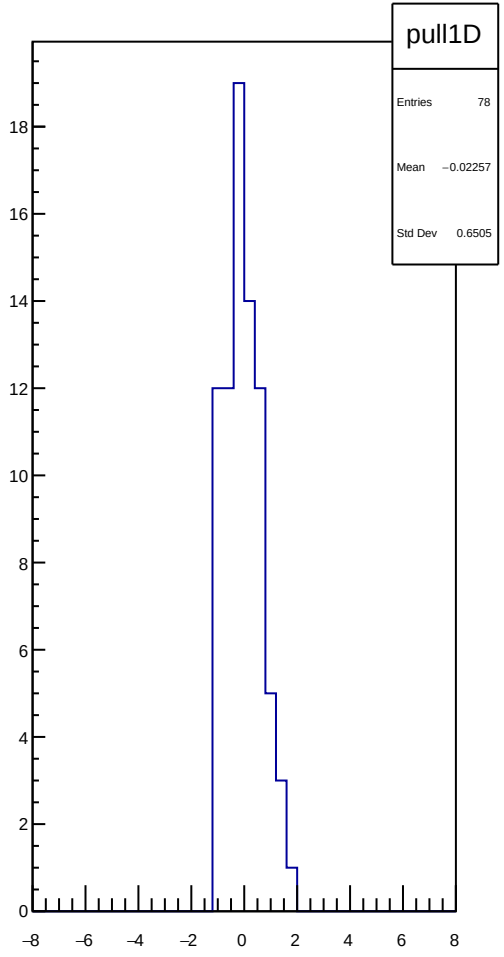

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.747 / 77
p0 0.3027 ± 0.04972
pull
Entries 78
Mean 124.2
Std Dev 104.4

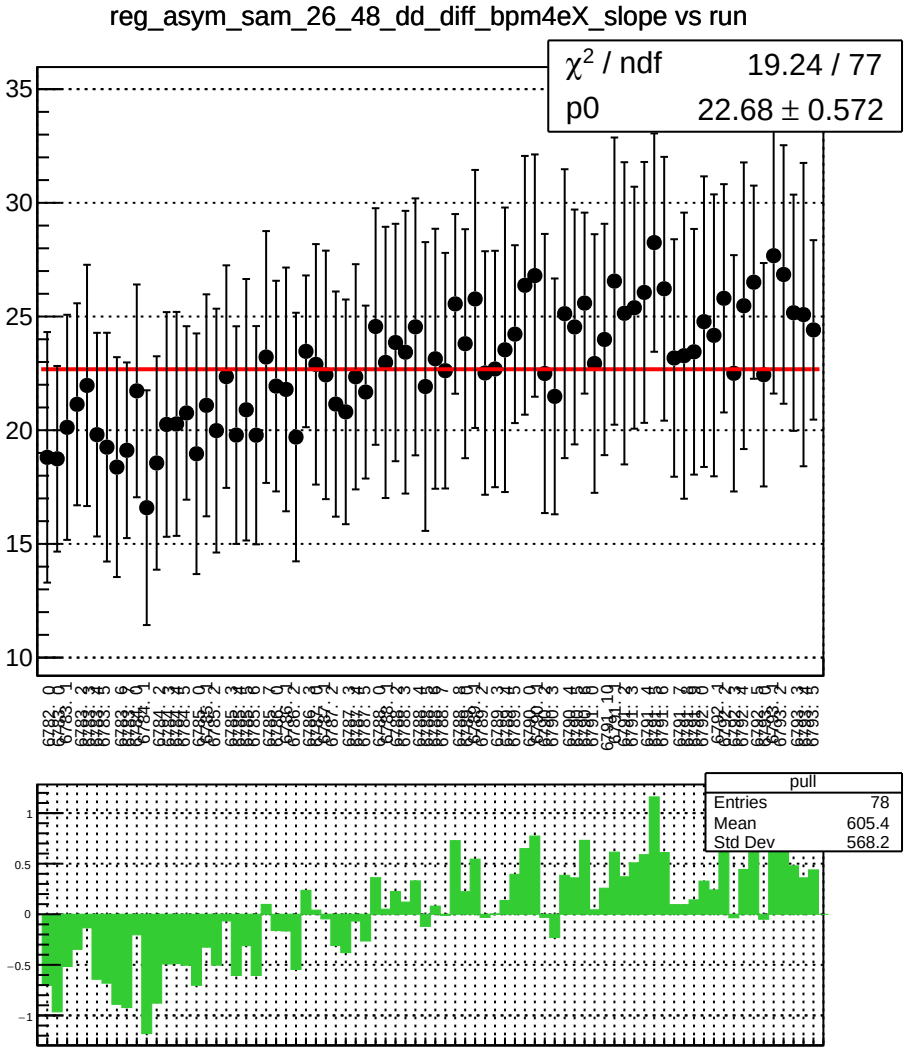

pull1D
Entries 78
Mean 0.001416
Std Dev 0.2467

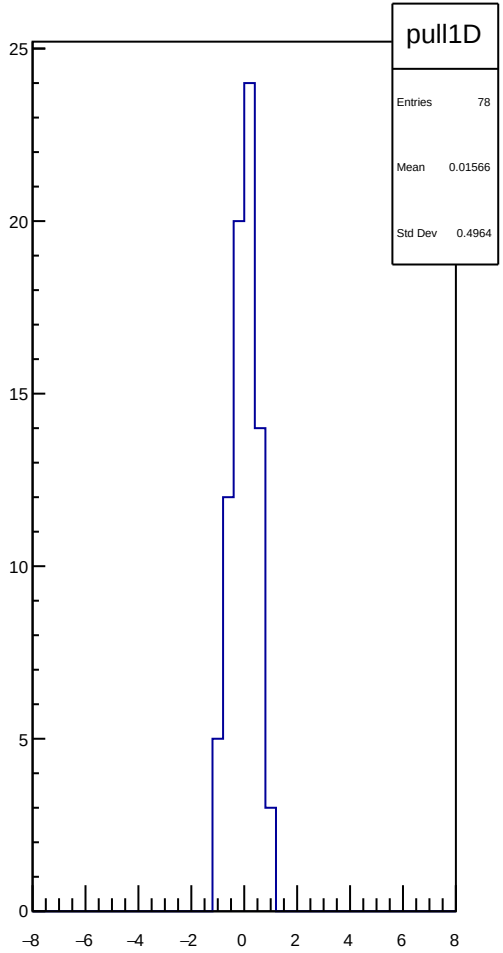

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.52 / 77
p0 −4.791 ± 0.6125
pull
Entries 78
Mean 805.6
Std Dev 769.2

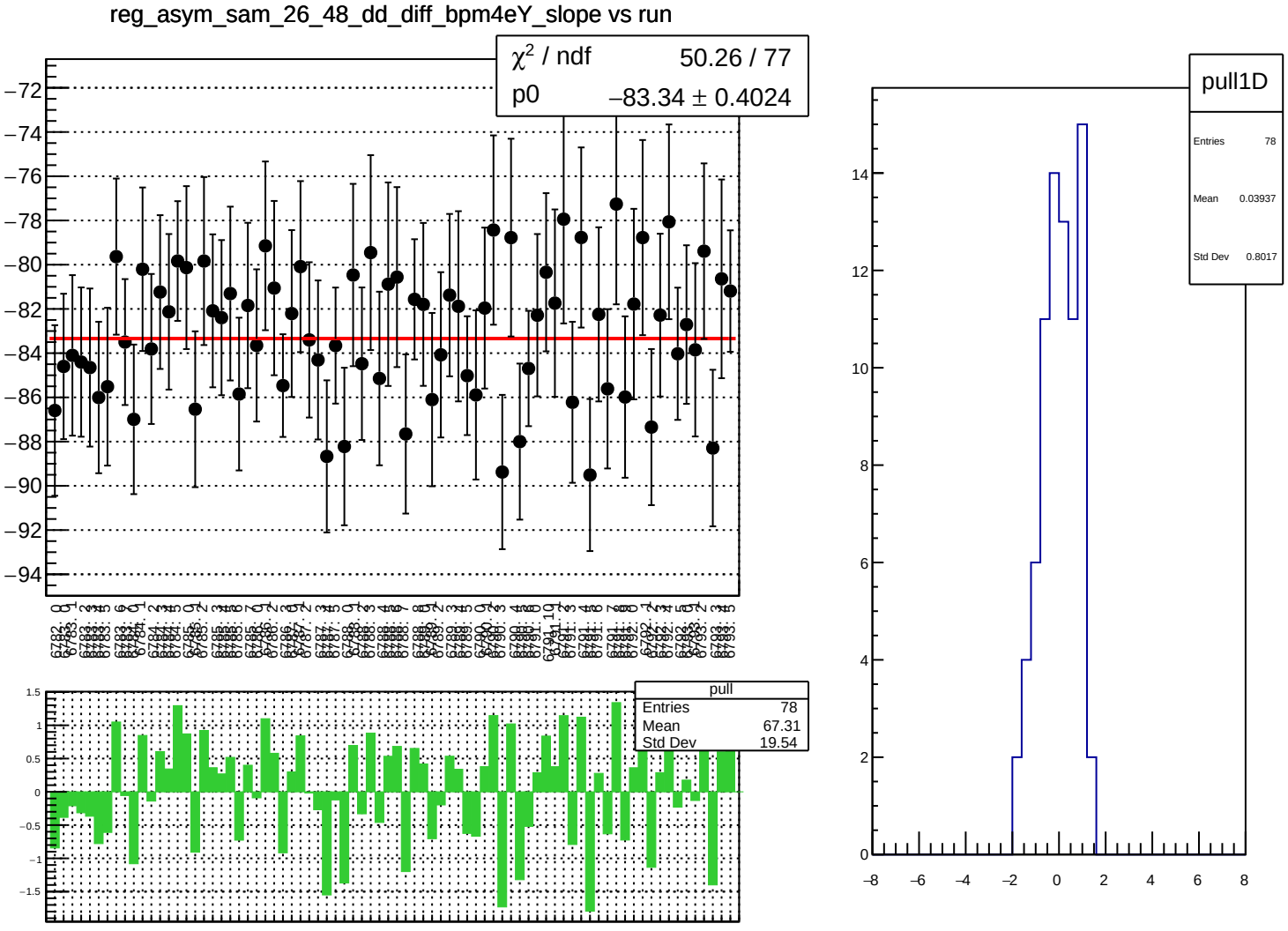

pull1D
Entries 78
Mean −0.006434
Std Dev 0.3672

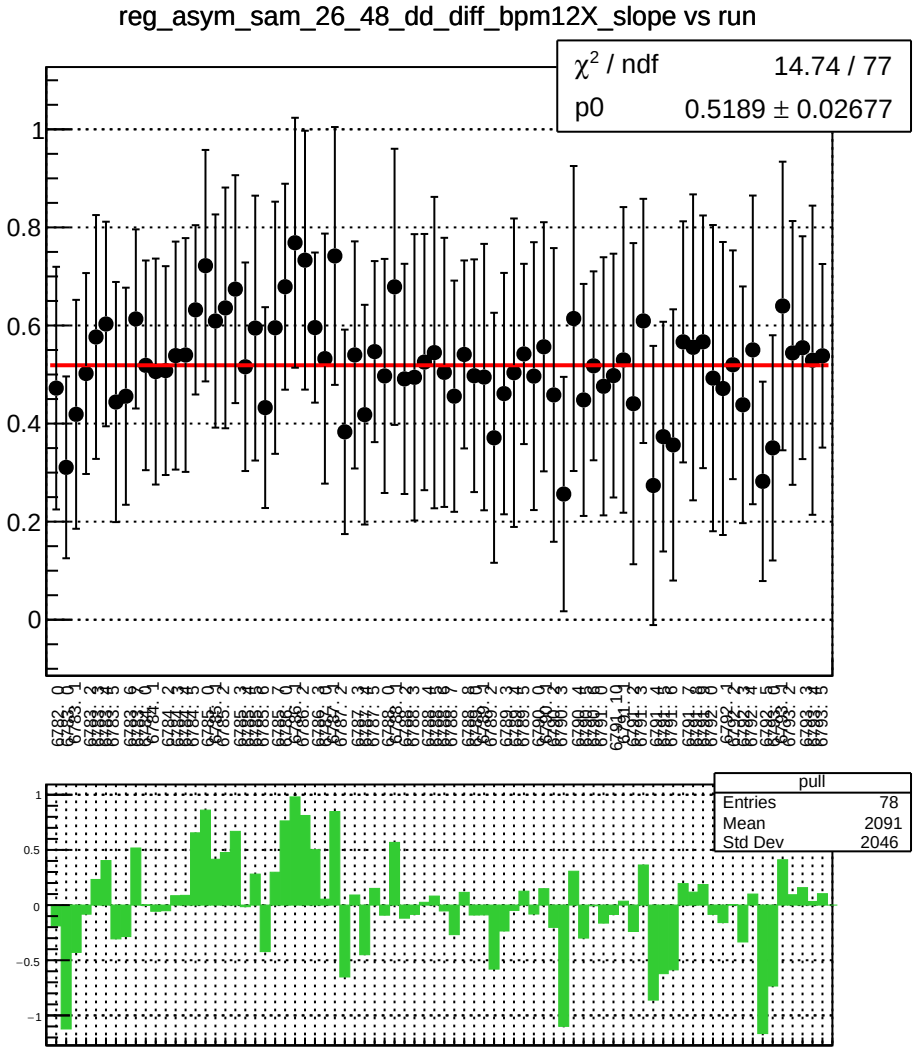

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.05 / 77
p0 11.15 ± 0.2942
pull
Entries 78
Mean 18.93
Std Dev 23.06

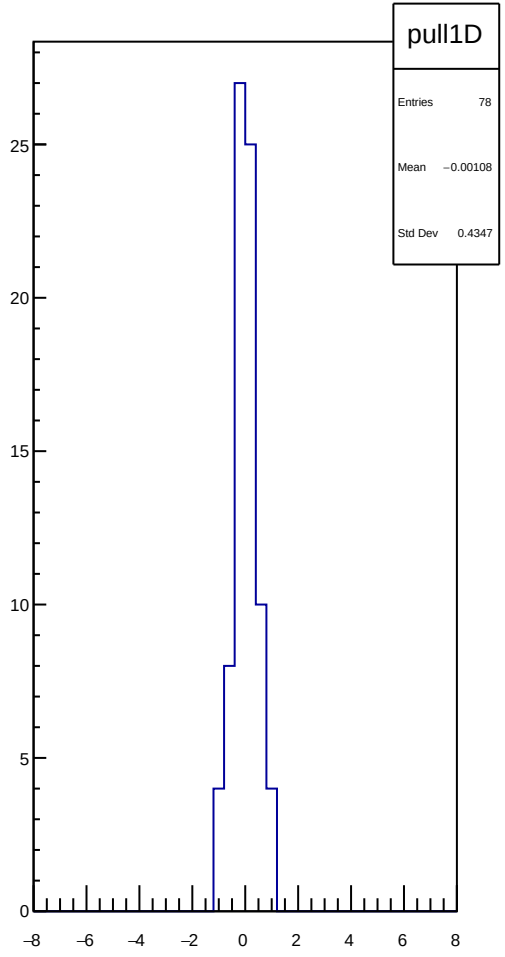

pull1D
Entries 78
Mean −0.02257
Std Dev 0.6505

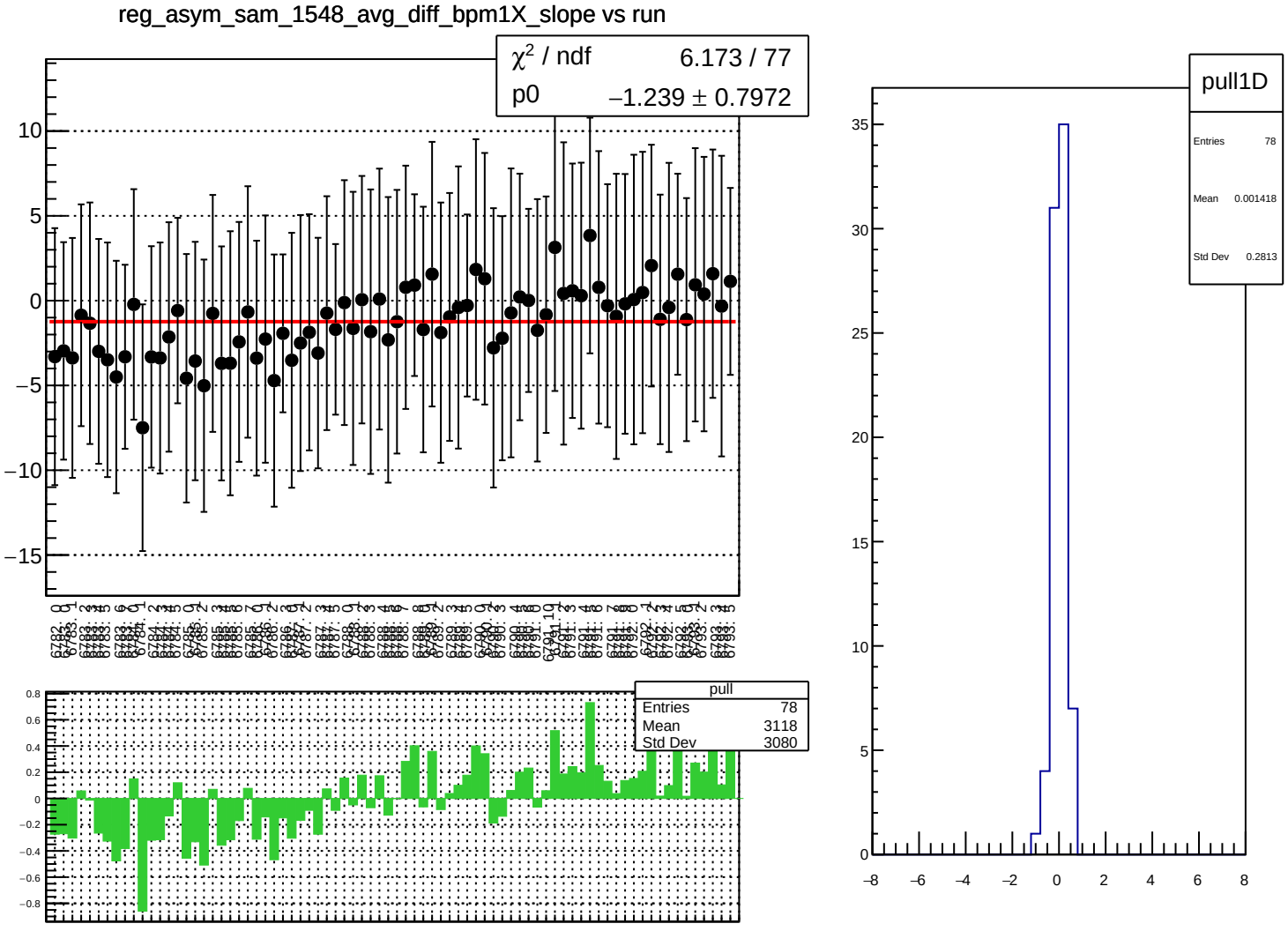

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.24 / 77
p0 22.68 ± 0.572
pull
Entries 78
Mean 605.4
Std Dev 568.2

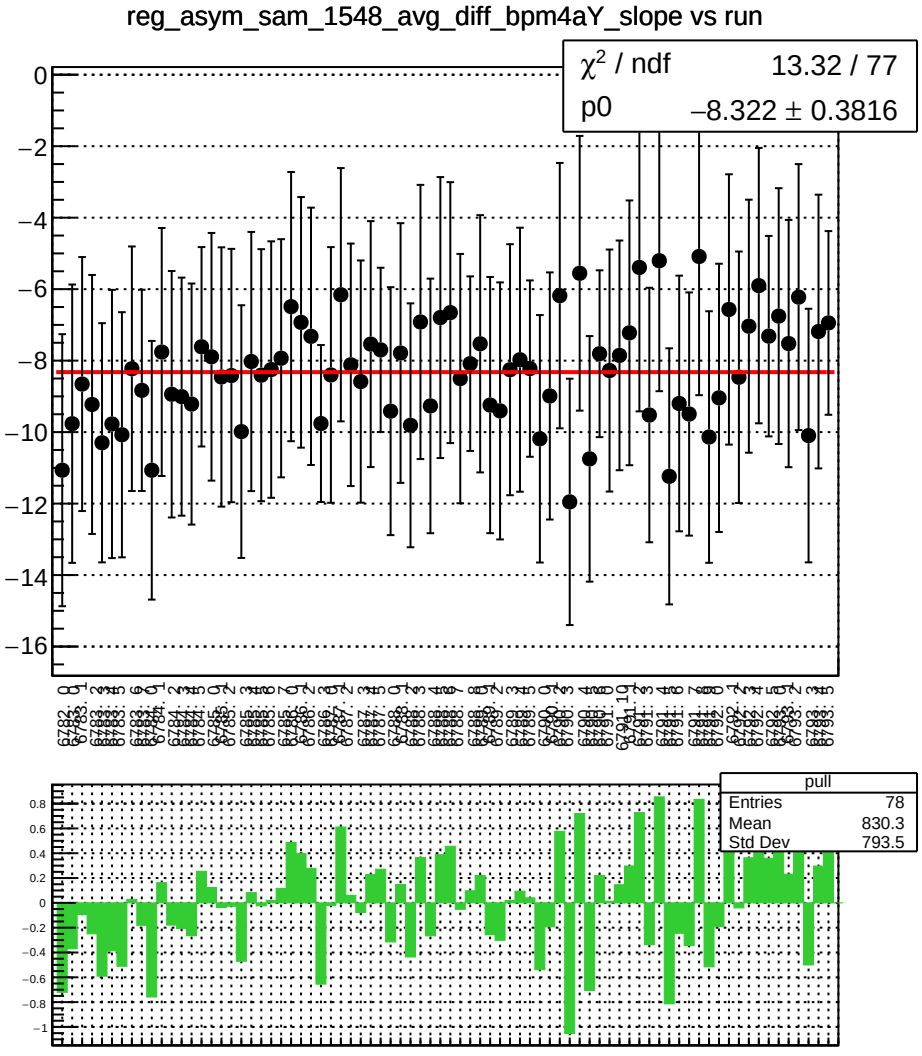

pull1D
Entries 78
Mean 0.01566
Std Dev 0.4964

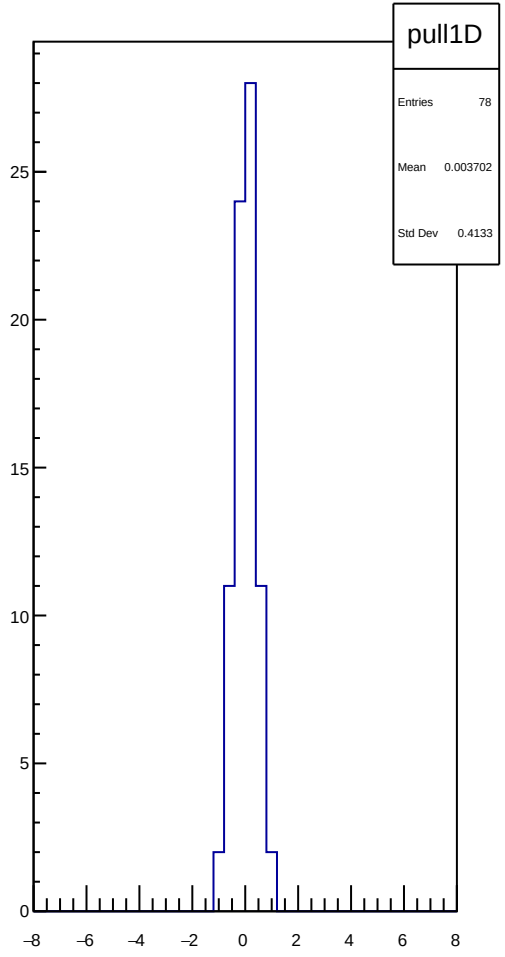

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.26 / 77
p0 −83.34 ± 0.4024
pull
Entries 78
Mean 67.31
Std Dev 19.54
pull1D
Entries 78
Mean 0.03937
Std Dev 0.8017

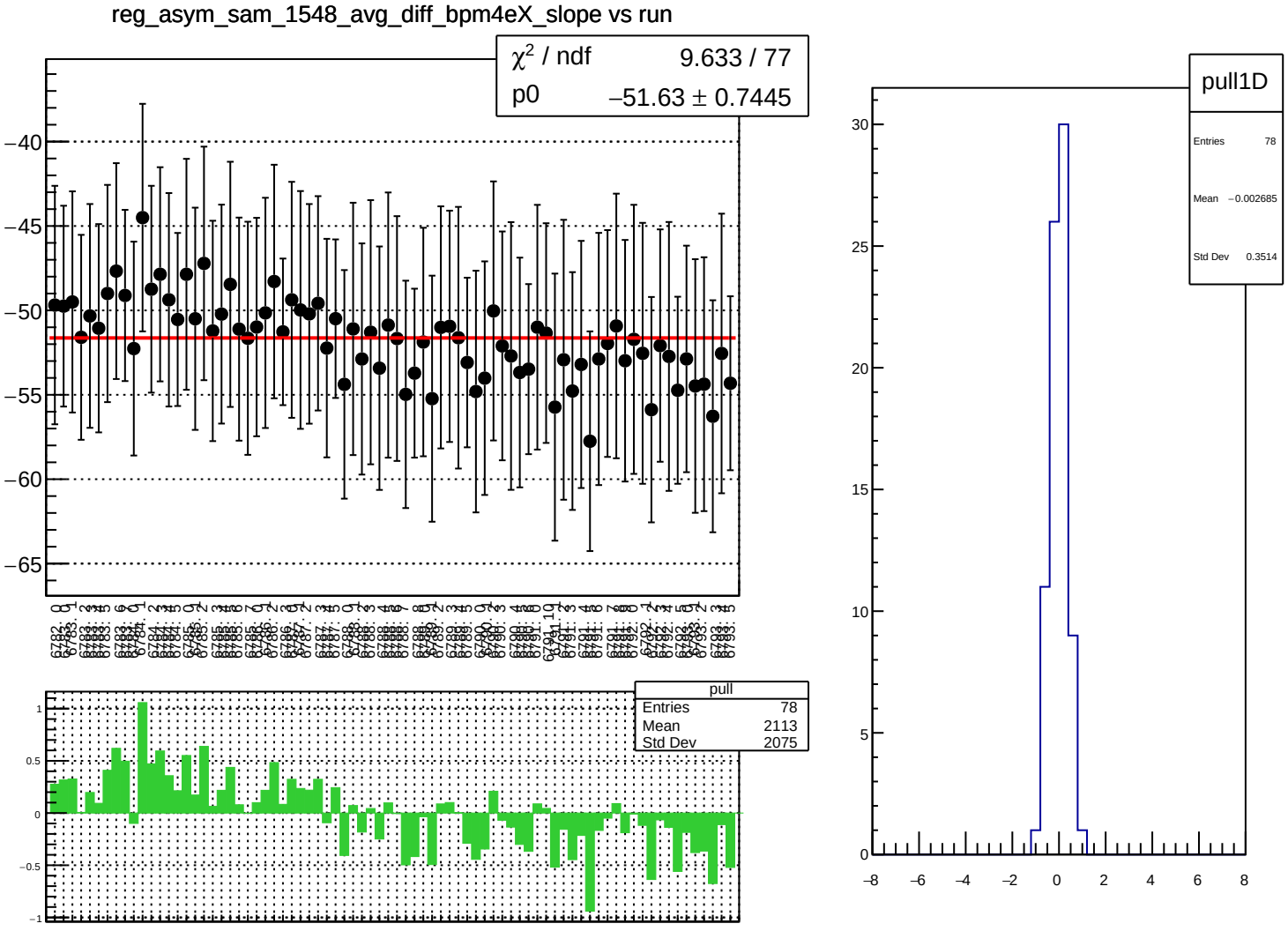

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.74 / 77
p0 0.5189 ± 0.02677
pull
Entries 78
Mean 2091
Std Dev 2046

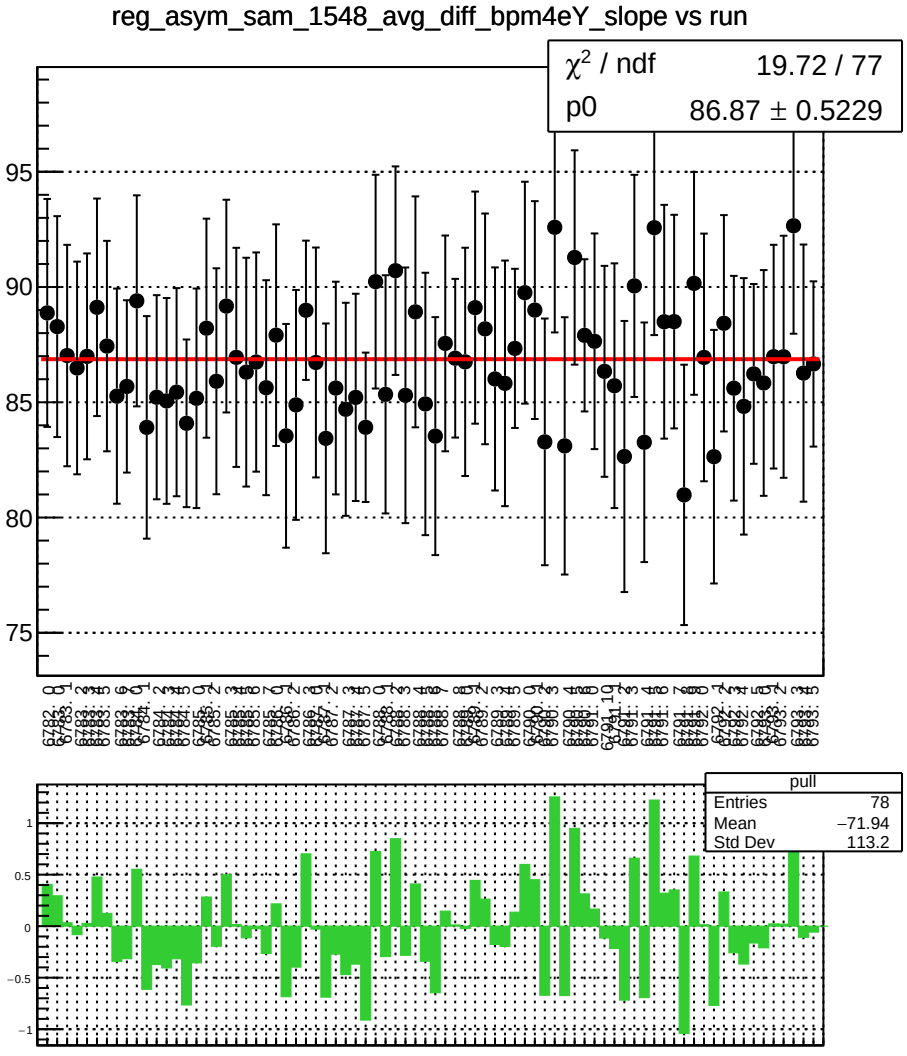

pull1D
Entries 78
Mean −0.00108
Std Dev 0.4347

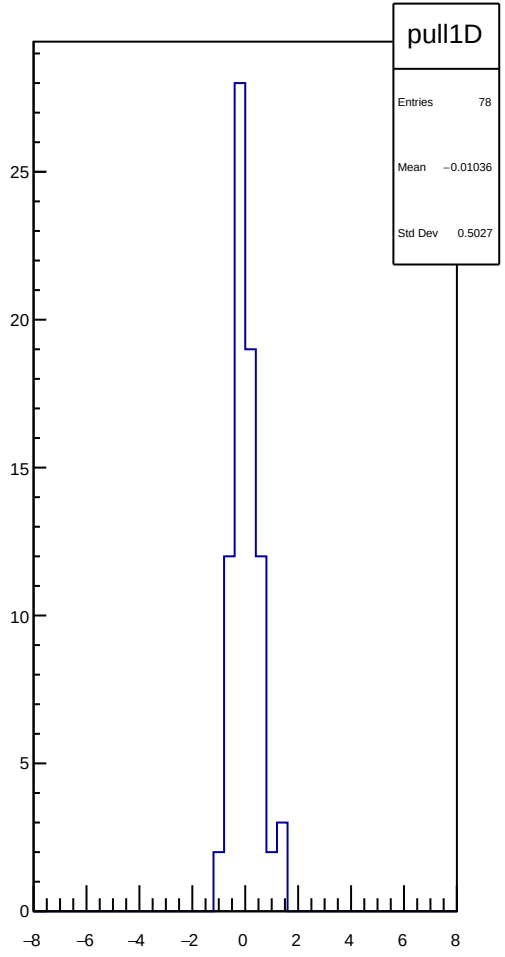

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 6.173 / 77
p0 −1.239 ± 0.7972
pull
Entries 78
Mean 3118
Std Dev 3080
pull1D
Entries 78
Mean 0.001418
Std Dev 0.2813

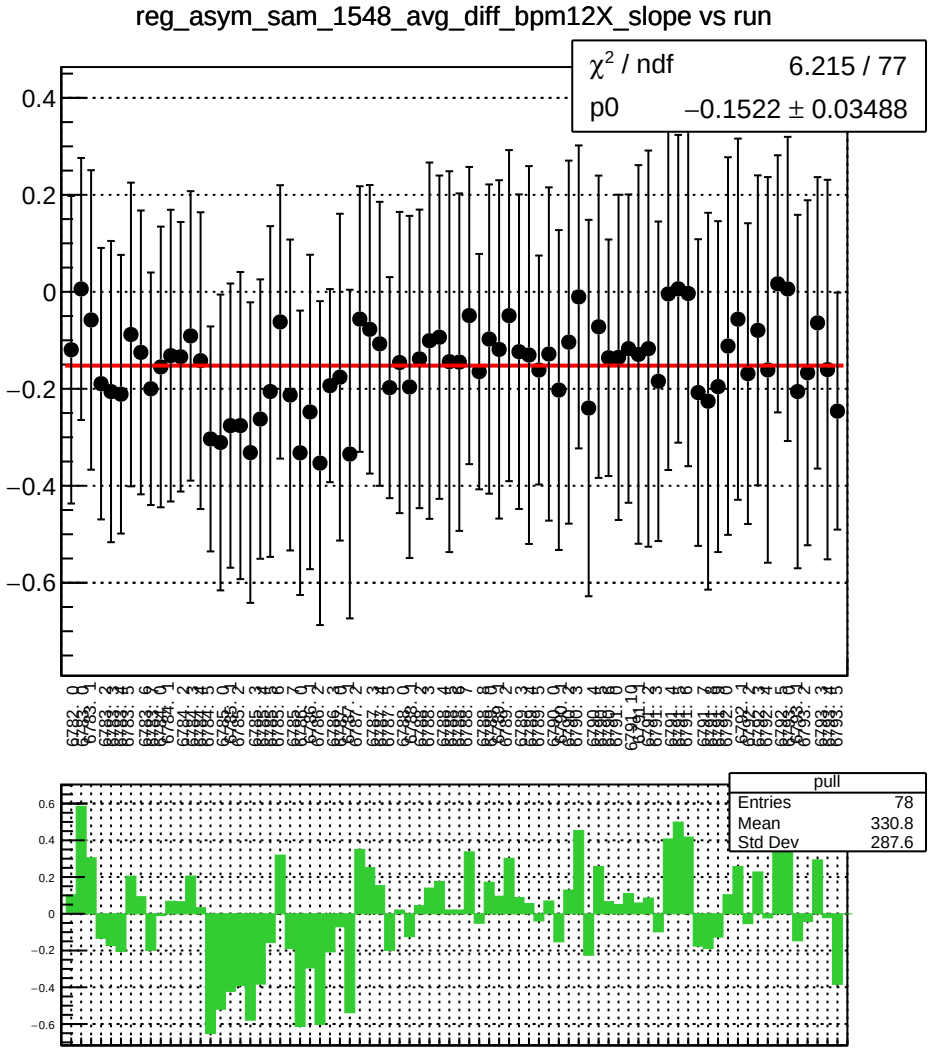

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.32 / 77
p0 −8.322 ± 0.3816
pull
Entries 78
Mean 830.3
Std Dev 793.5

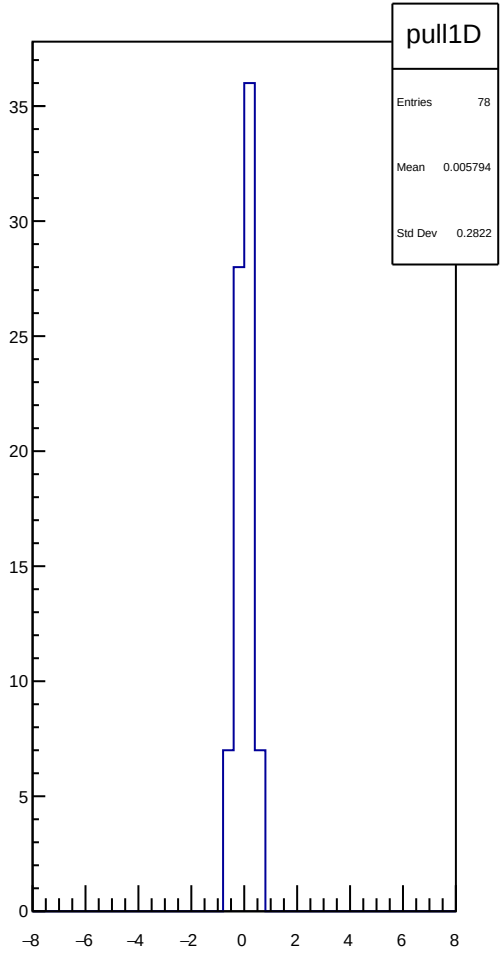

pull1D
Entries 78
Mean 0.003702
Std Dev 0.4133

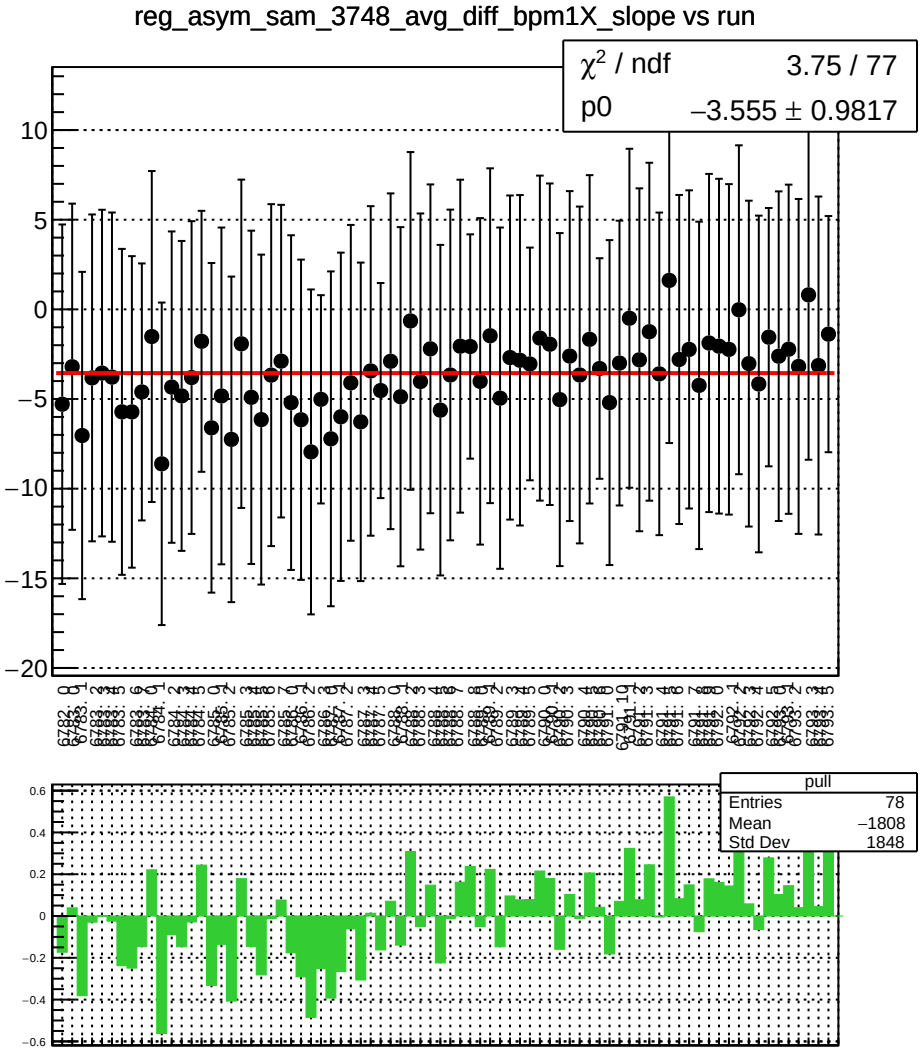

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.633 / 77
p0 −51.63 ± 0.7445
pull
Entries 78
Mean 2113
Std Dev 2075
pull1D
Entries 78
Mean −0.002685
Std Dev 0.3514

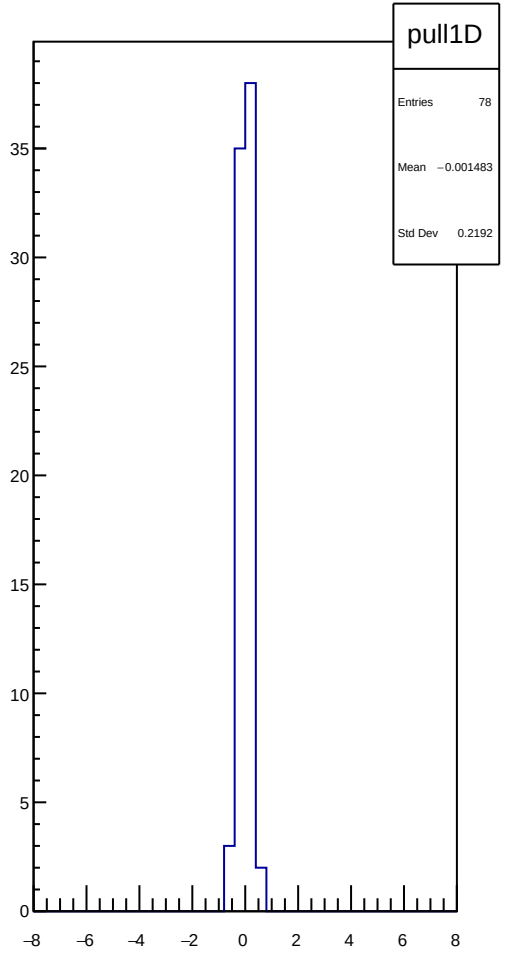

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.72 / 77
p0 86.87 ± 0.5229
95
90
85
80
75
pull
Entries 78
Mean −71.94
Std Dev 113.2
1
0.5
0
−0.5
−1

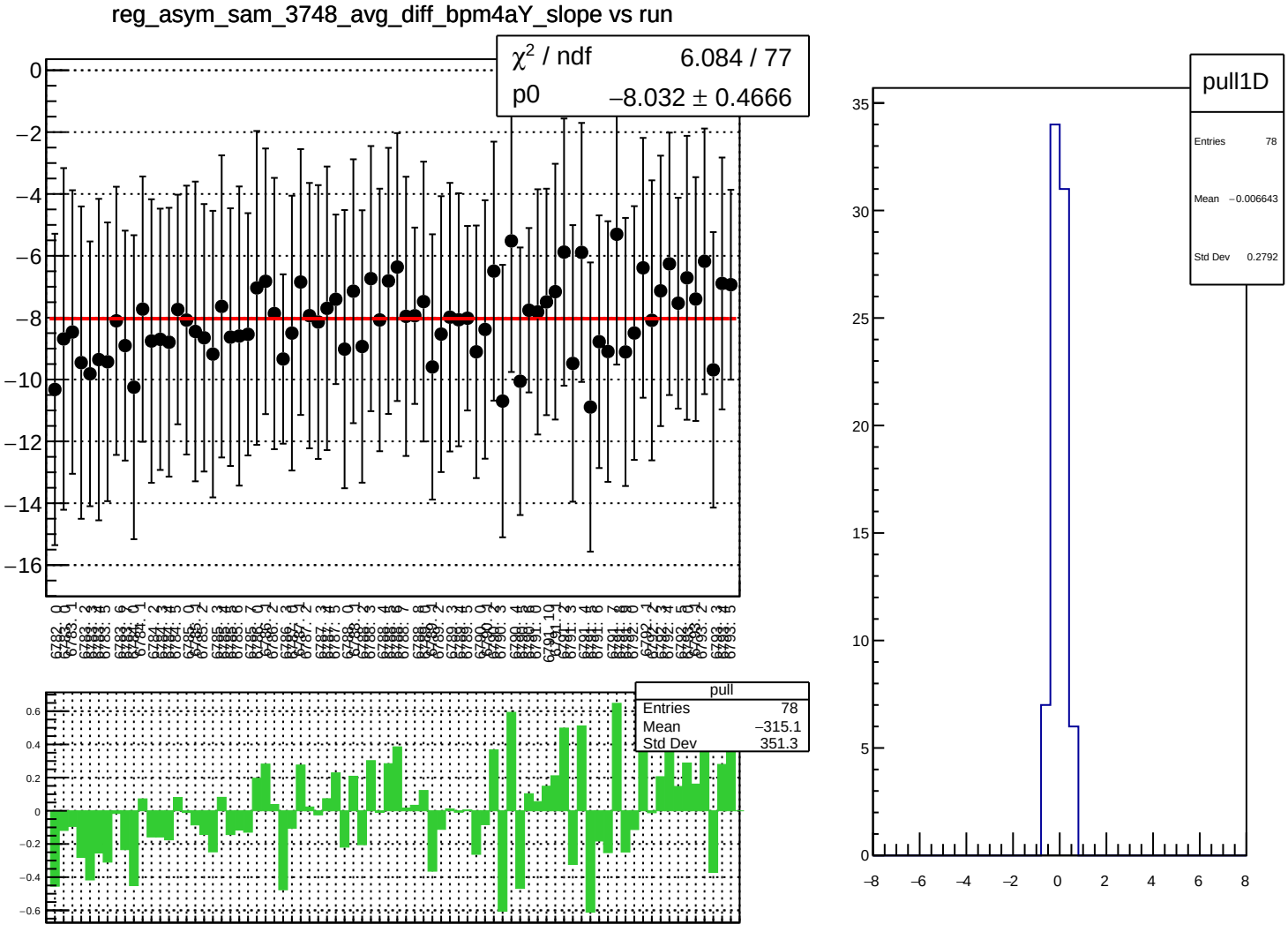

pull1D
Entries 78
Mean −0.01036
Std Dev 0.5027
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

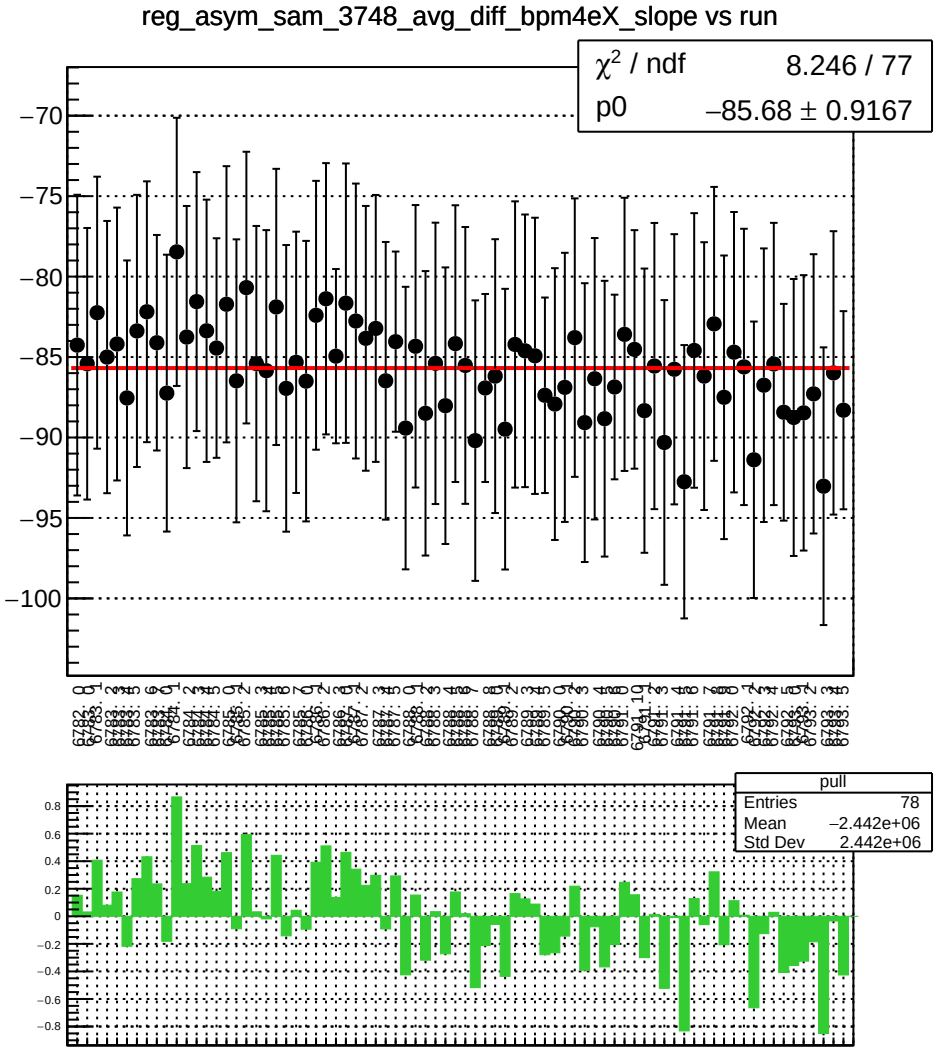

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.215 / 77
p0 −0.1522 ± 0.03488
pull
Entries 78
Mean 330.8
Std Dev 287.6

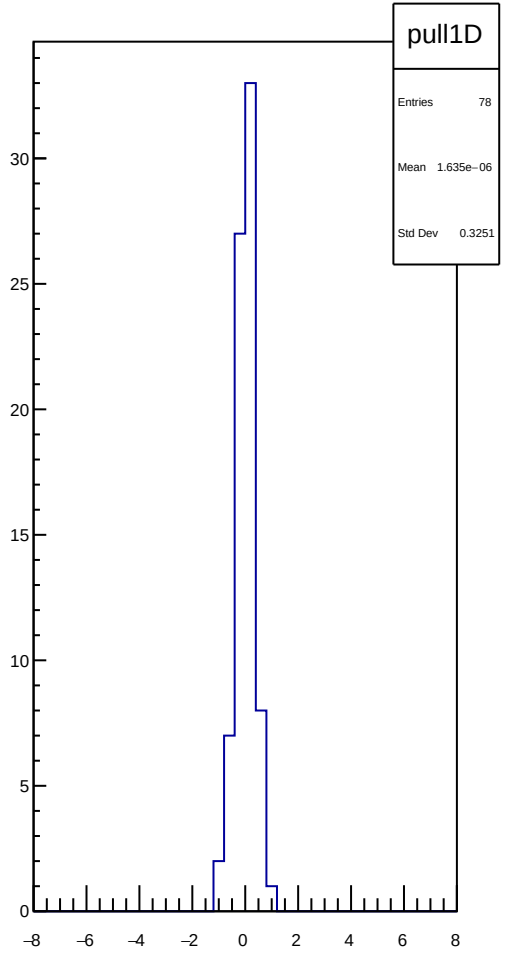

pull1D
Entries 78
Mean 0.005794
Std Dev 0.2822

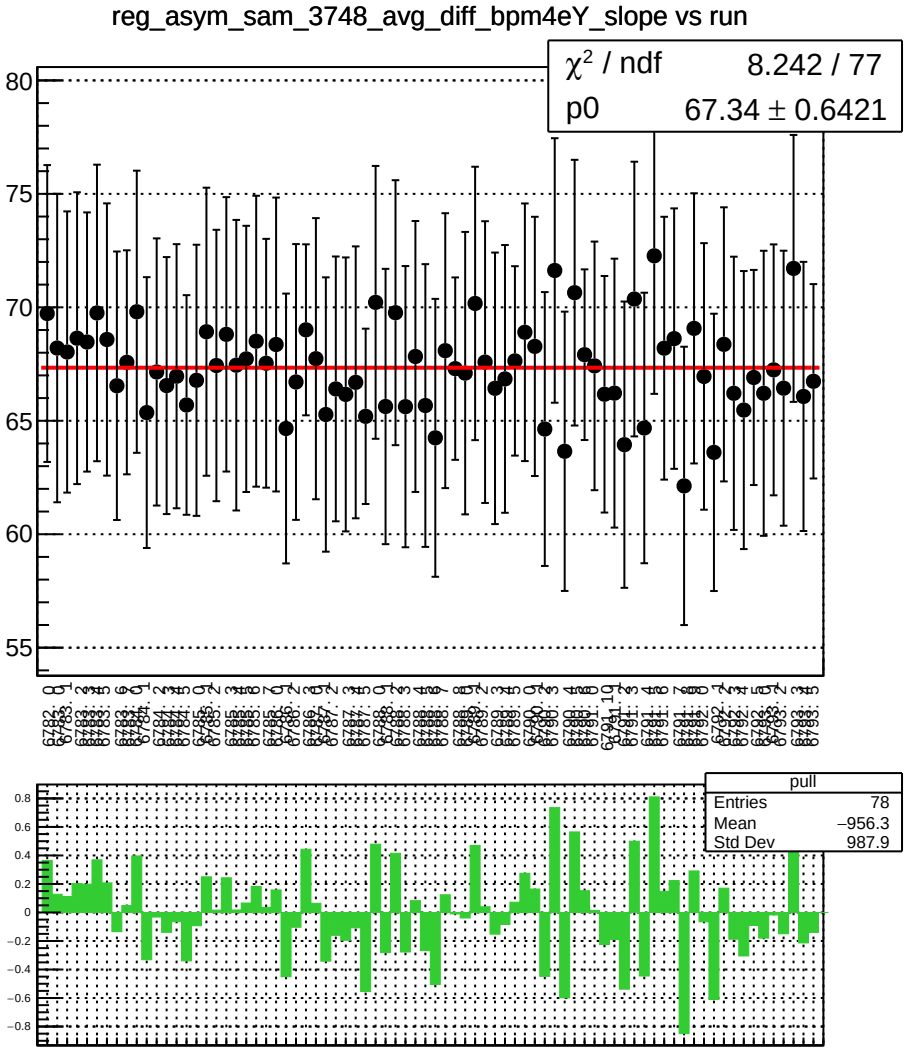

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ^2 / ndf 3.75 / 77
p0 −3.555 ± 0.9817
pull
Entries 78
Mean −1808
Std Dev 1848

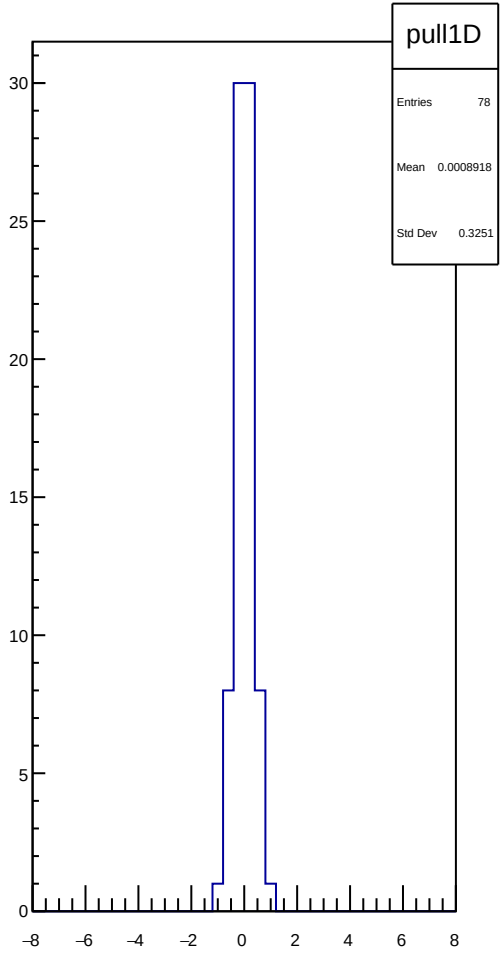

pull1D
Entries 78
Mean −0.001483
Std Dev 0.2192

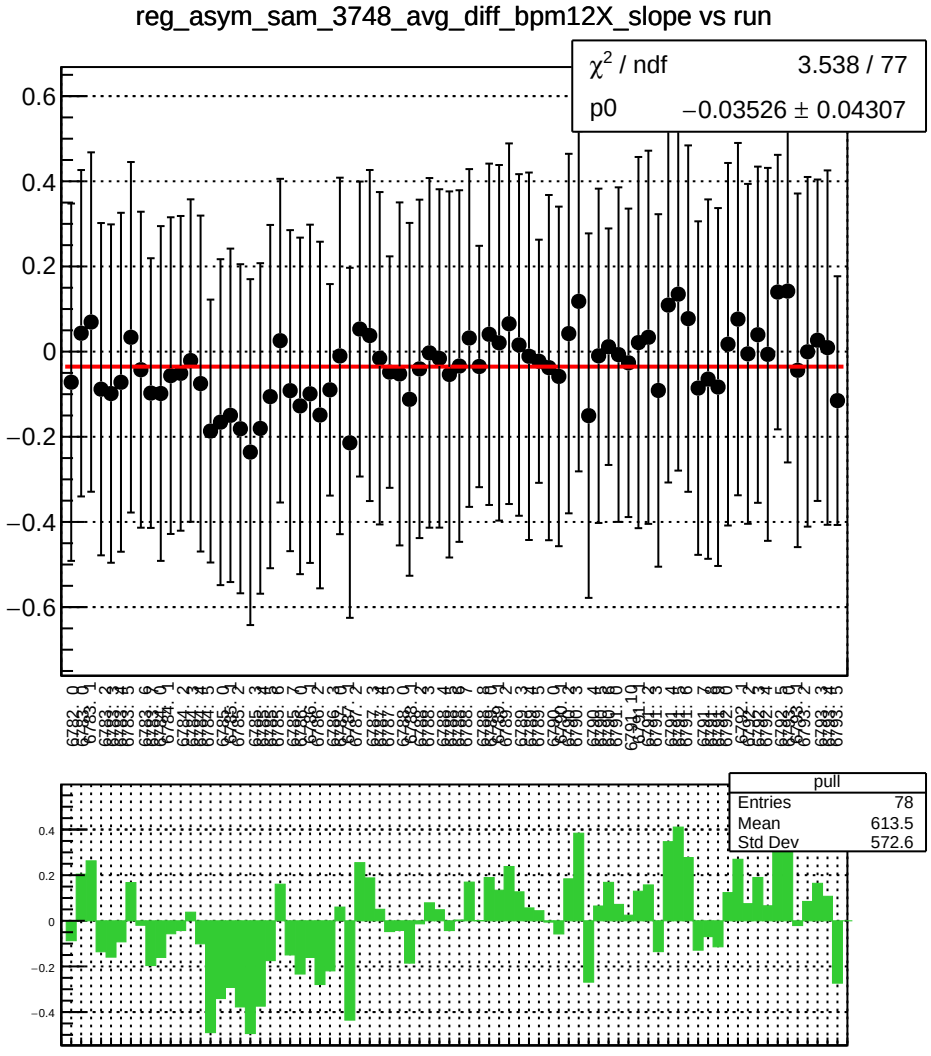

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.084 / 77
p0 −8.032 ± 0.4666
pull
Entries 78
Mean −315.1
Std Dev 351.3
pull1D
Entries 78
Mean −0.006643
Std Dev 0.2792

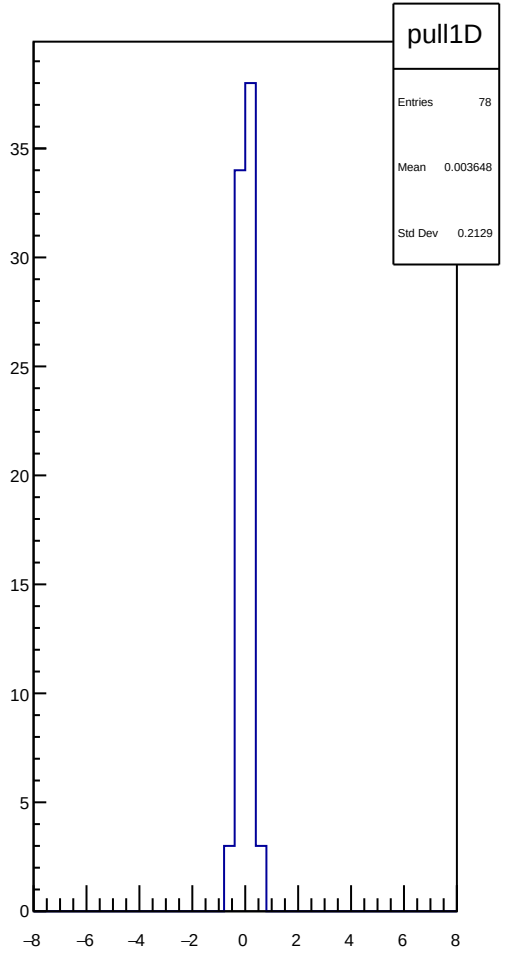

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.246 / 77
p0 −85.68 ± 0.9167
pull
Entries 78
Mean −2.442e+06
Std Dev 2.442e+06

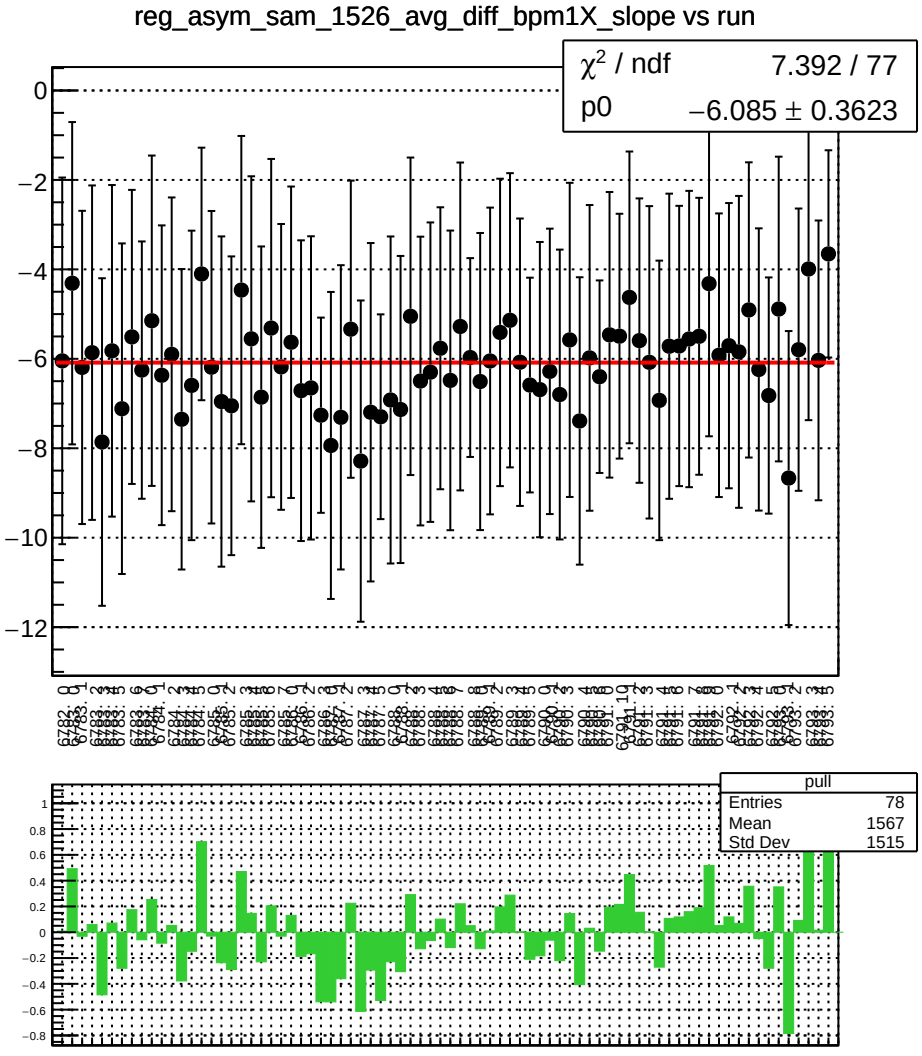

pull1D
Entries 78
Mean 1.635e−06
Std Dev 0.3251

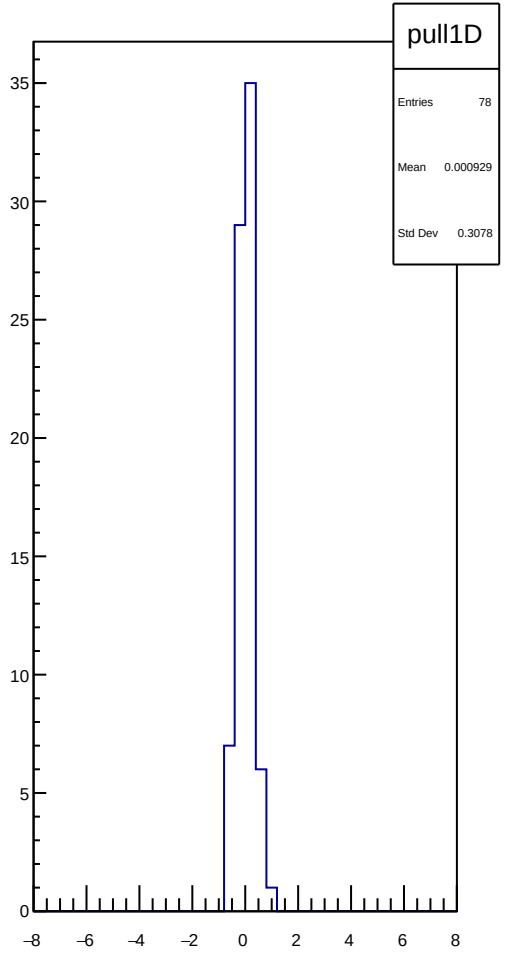

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.242 / 77
p0 67.34 ± 0.6421
pull
Entries 78
Mean −956.3
Std Dev 987.9


pull1D
Entries 78
Mean 0.0008918
Std Dev 0.3251

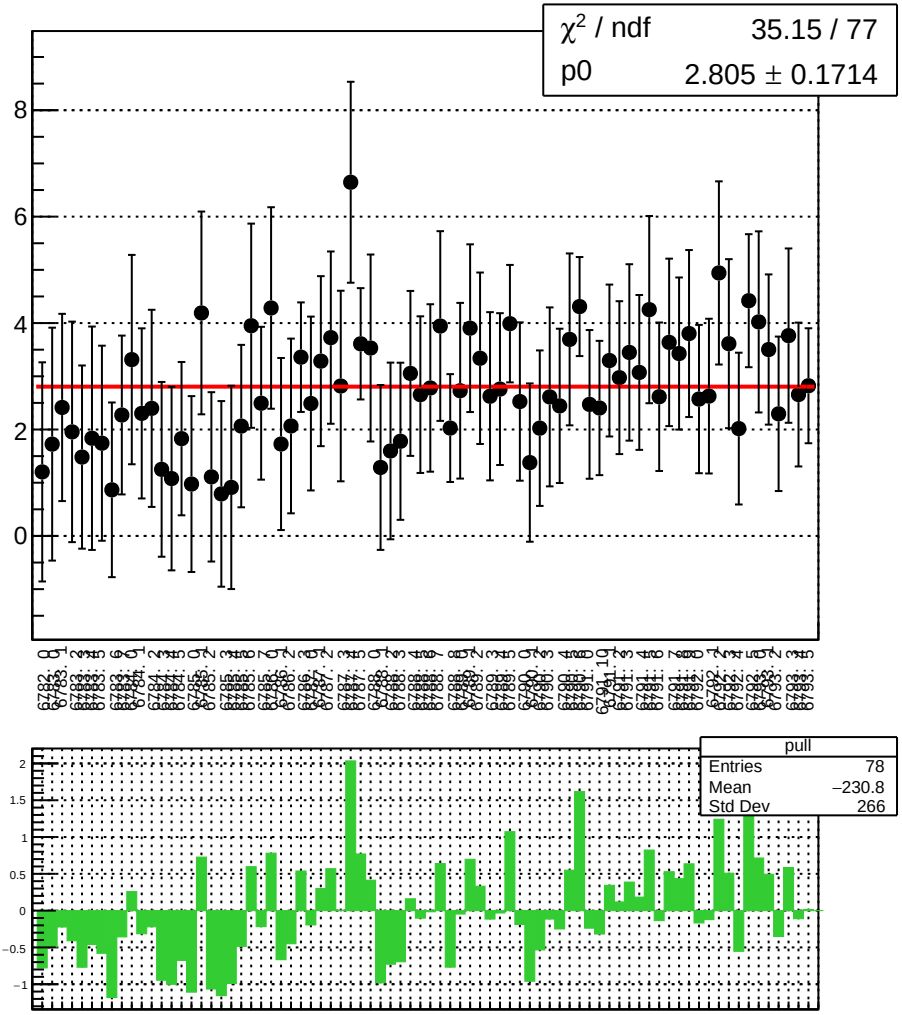

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.538 / 77
p0 −0.03526 ± 0.04307
pull
Entries 78
Mean 613.5
Std Dev 572.6

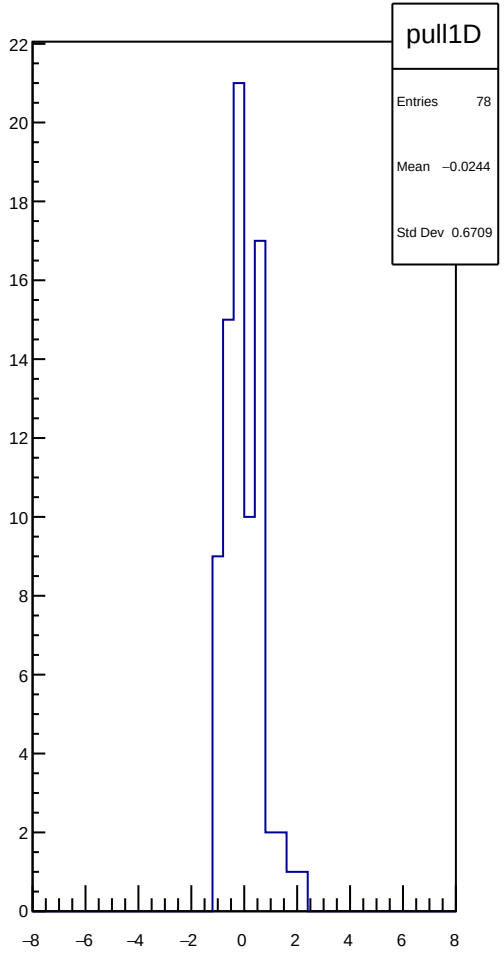

pull1D
Entries 78
Mean 0.003648
Std Dev 0.2129

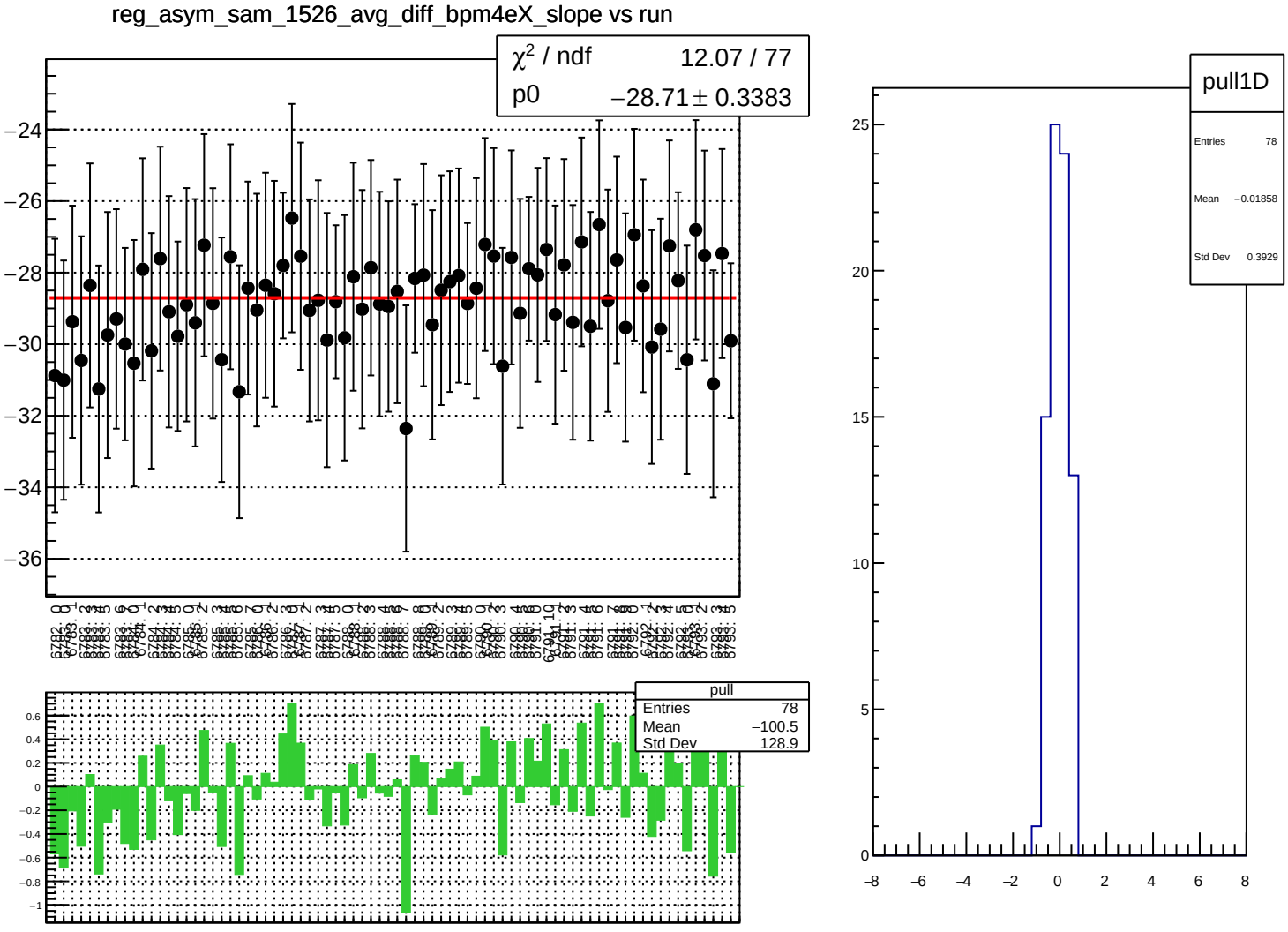

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 7.392 / 77
p0 −6.085 ± 0.3623
pull
Entries 78
Mean 1567
Std Dev 1515

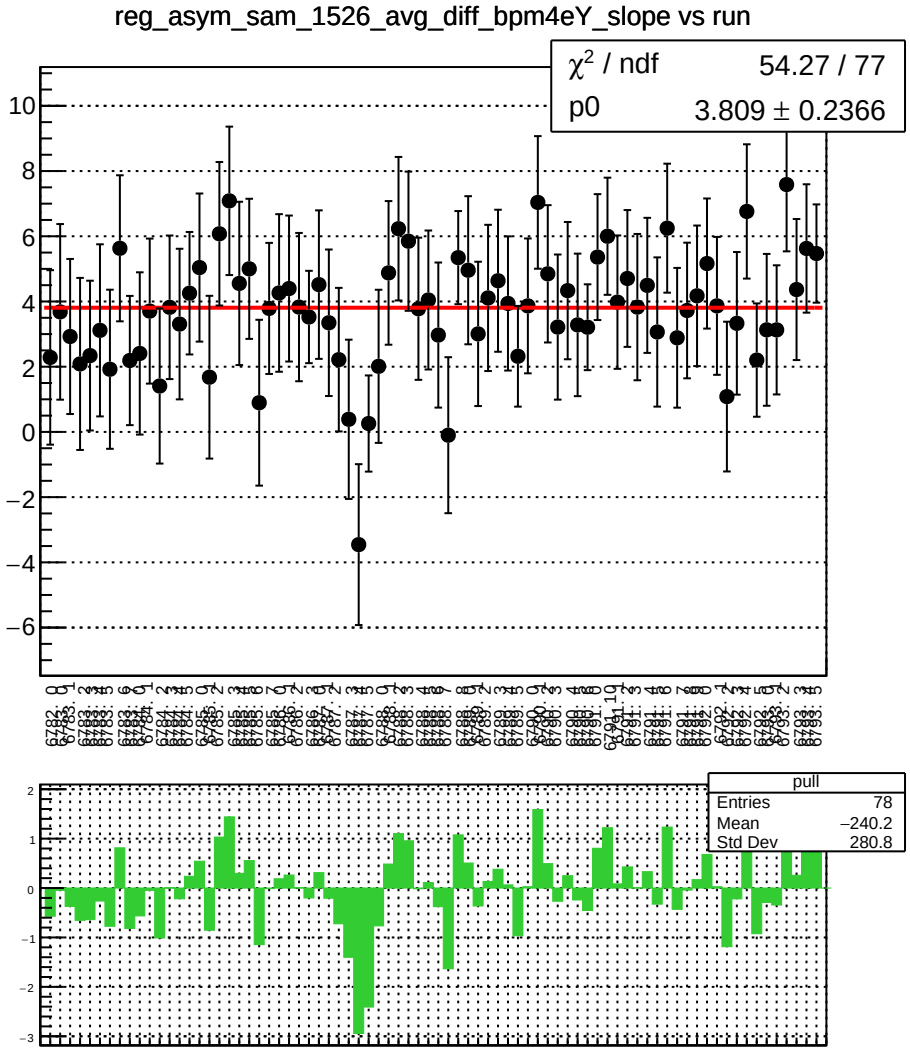

pull1D
Entries 78
Mean 0.000929
Std Dev 0.3078

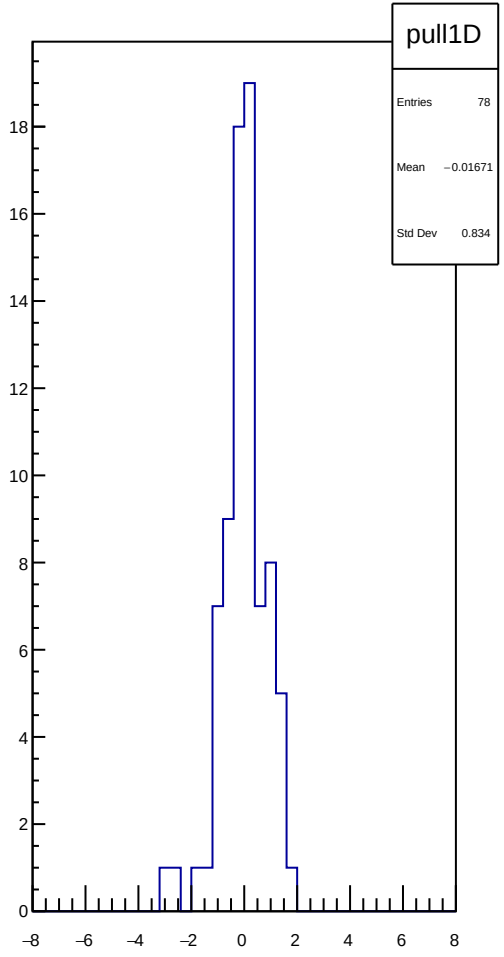
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run

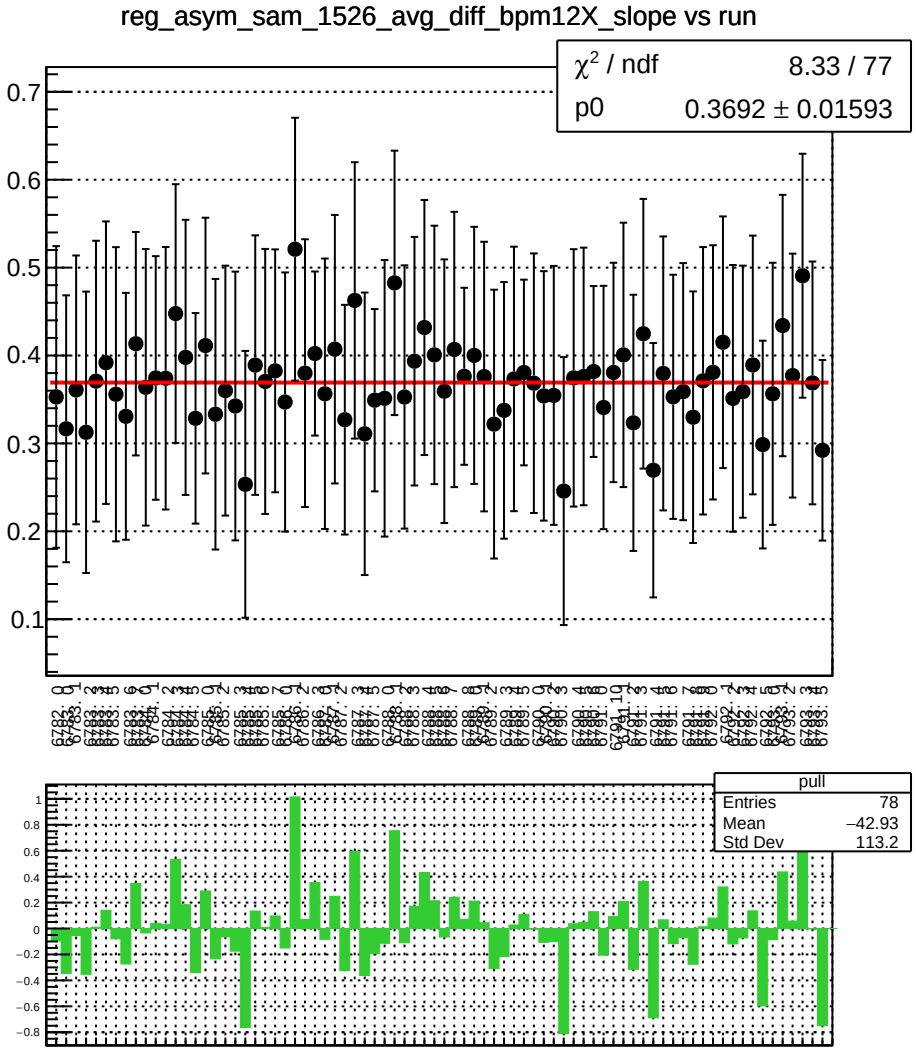


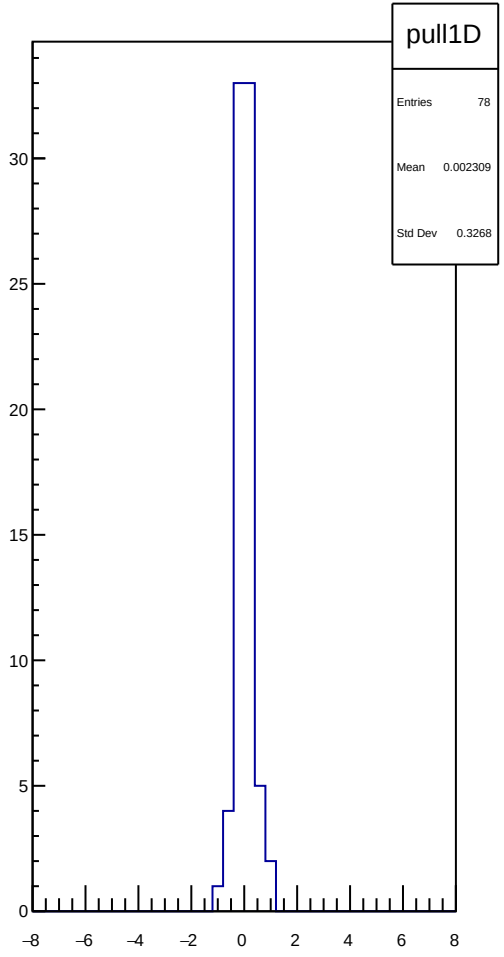


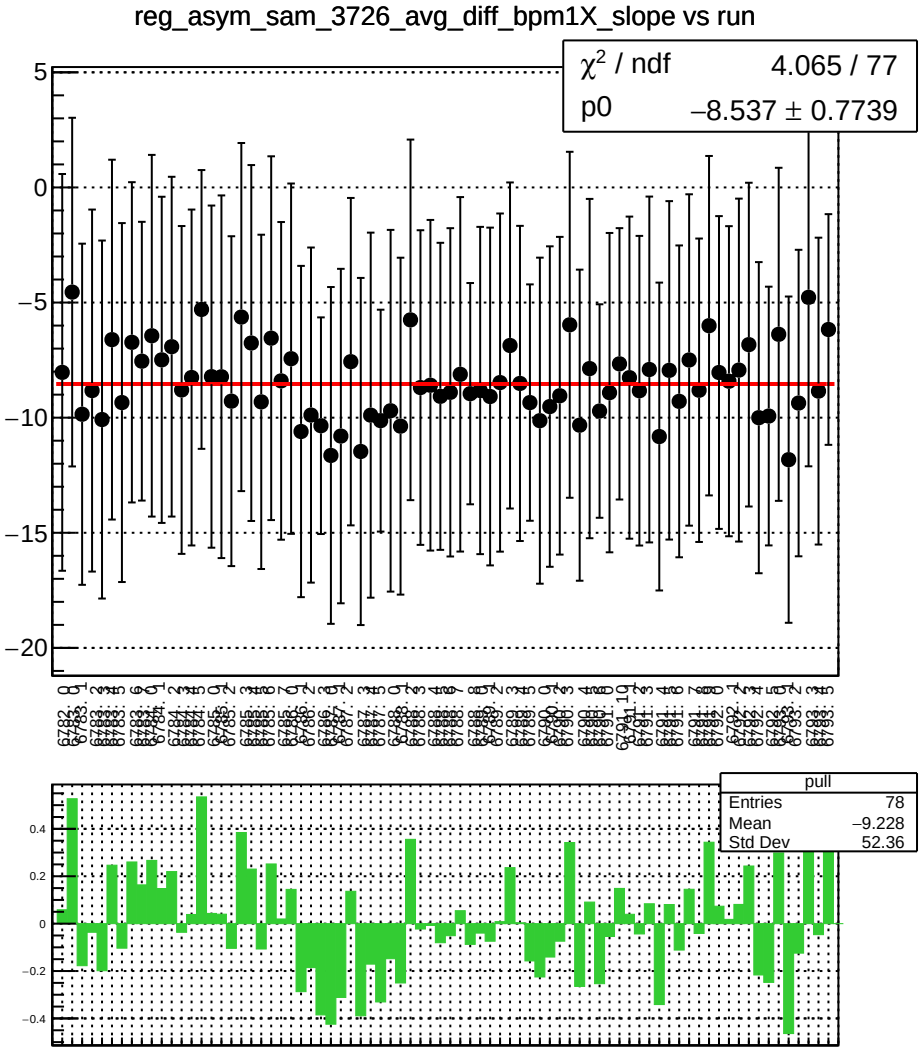

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.07 / 77
p0 −28.71 ± 0.3383
pull
Entries 78
Mean −100.5
Std Dev 128.9
pull1D
Entries 78
Mean −0.01858
Std Dev 0.3929

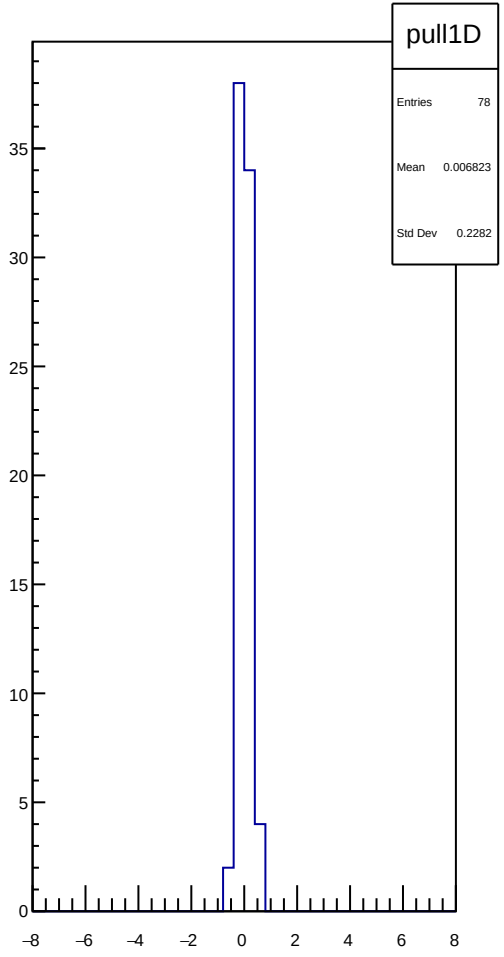

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 54.27 / 77
p0 3.809 ± 0.2366
pull
Entries 78
Mean −240.2
Std Dev 280.8

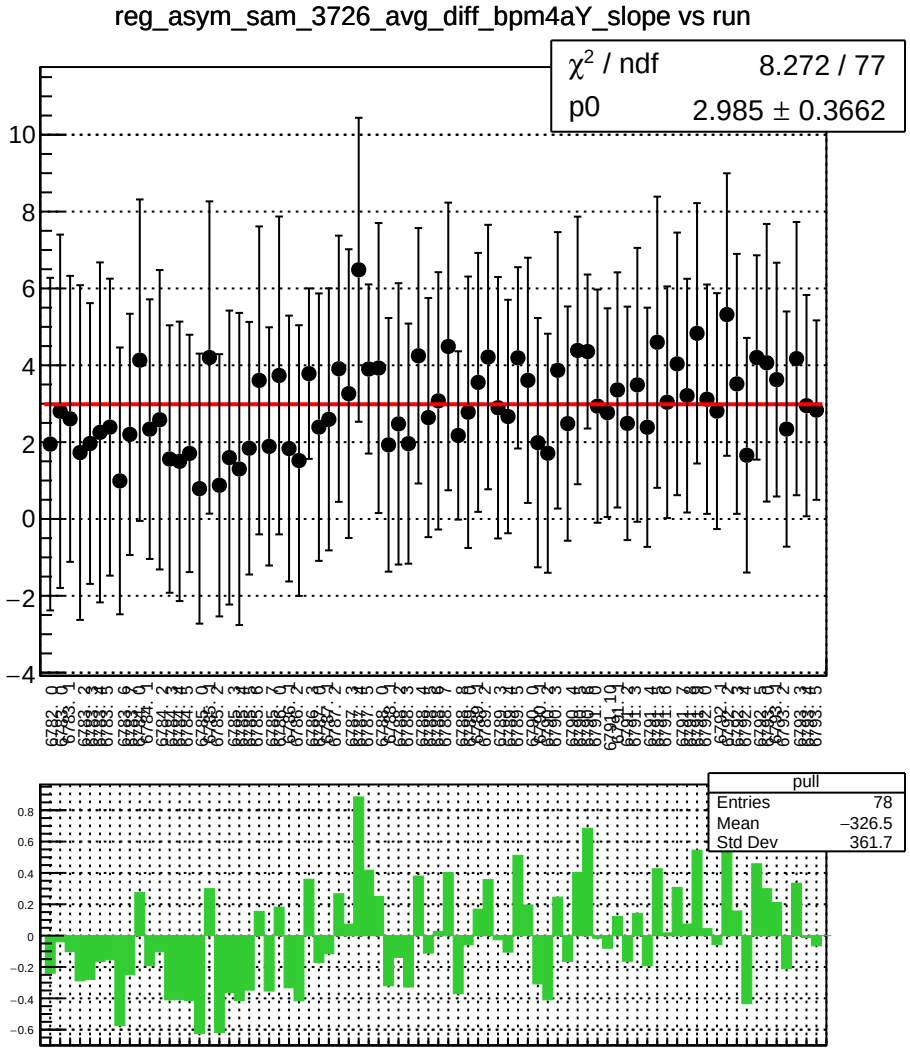

pull1D
Entries 78
Mean −0.01671
Std Dev 0.834

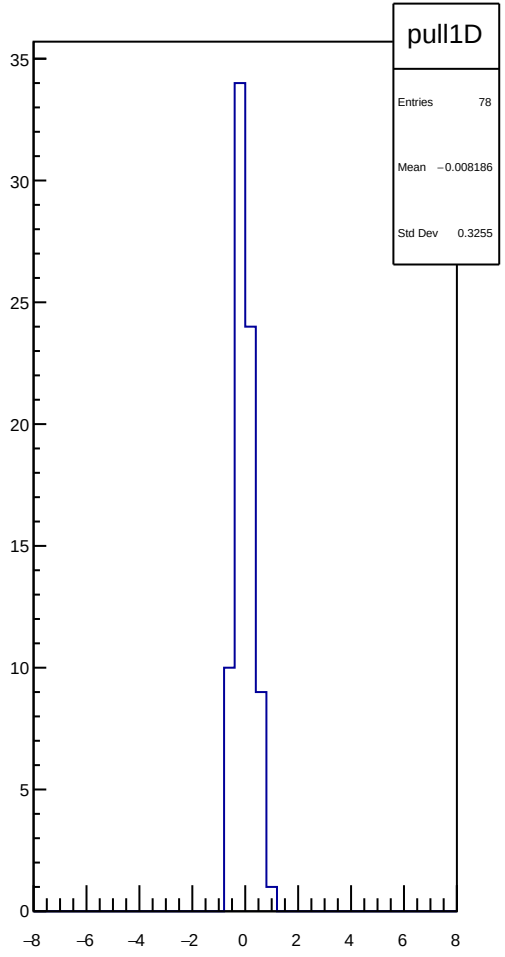

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 8.33 / 77
p0 0.3692 ± 0.01593
pull
Entries 78
Mean −42.93
Std Dev 113.2

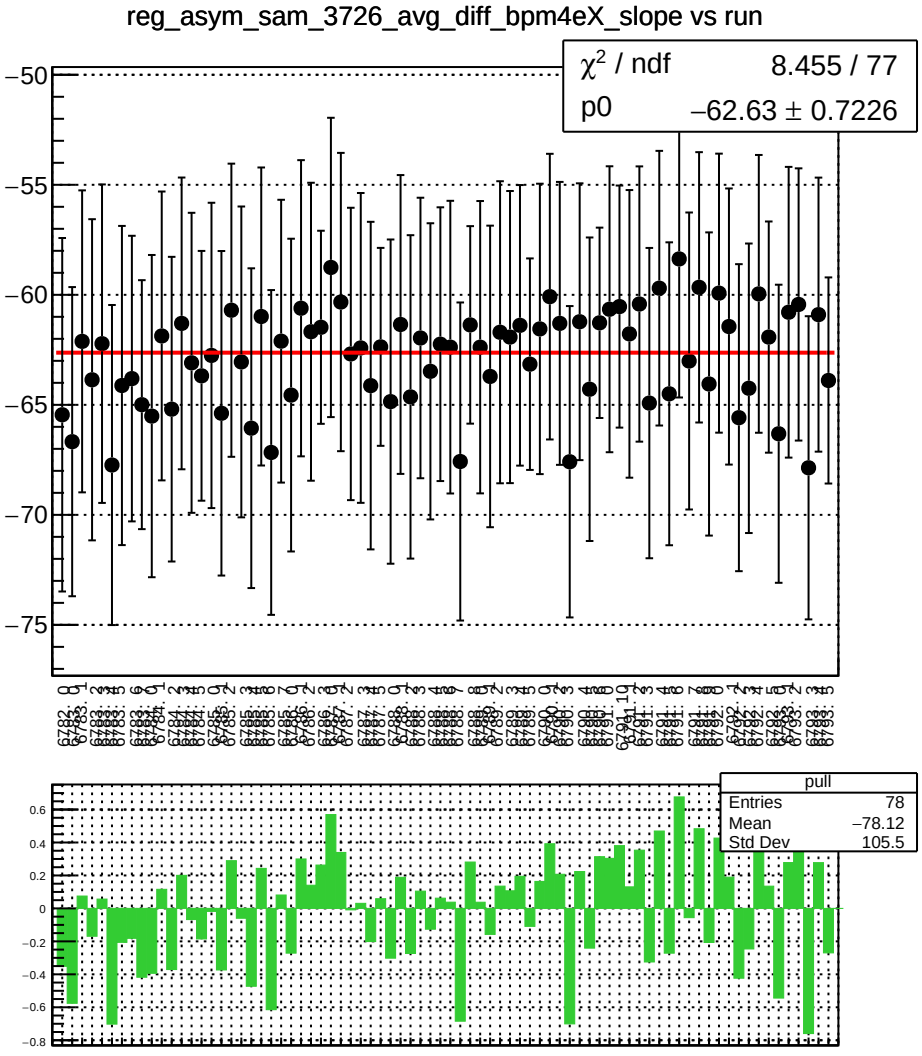

pull1D
Entries 78
Mean 0.002309
Std Dev 0.3268

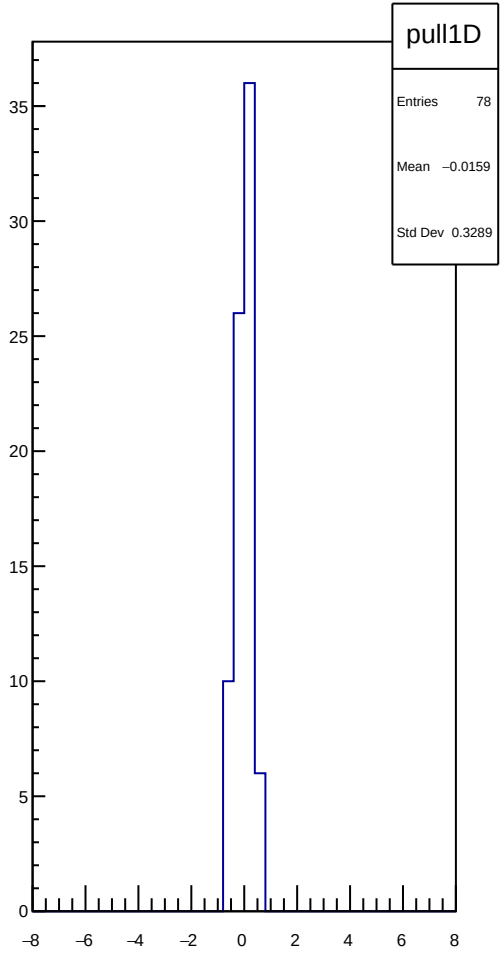

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.065 / 77
p0 −8.537 ± 0.7739
pull
Entries 78
Mean −9.228
Std Dev 52.36

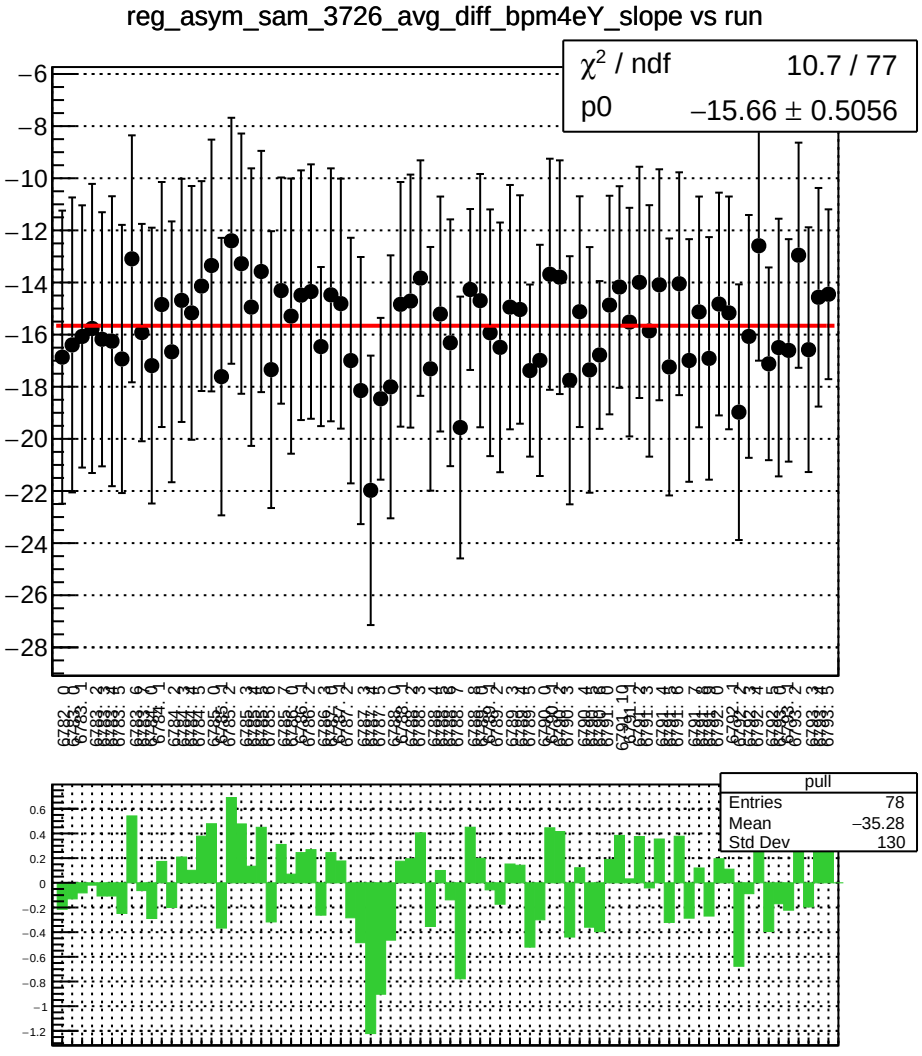

pull1D
Entries 78
Mean 0.006823
Std Dev 0.2282

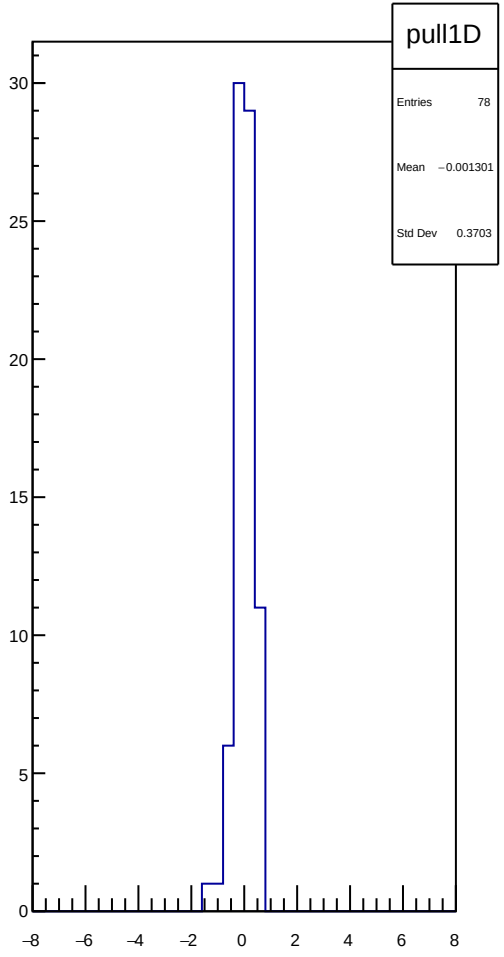

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.272 / 77
p0 2.985 ± 0.3662
pull
Entries 78
Mean −326.5
Std Dev 361.7

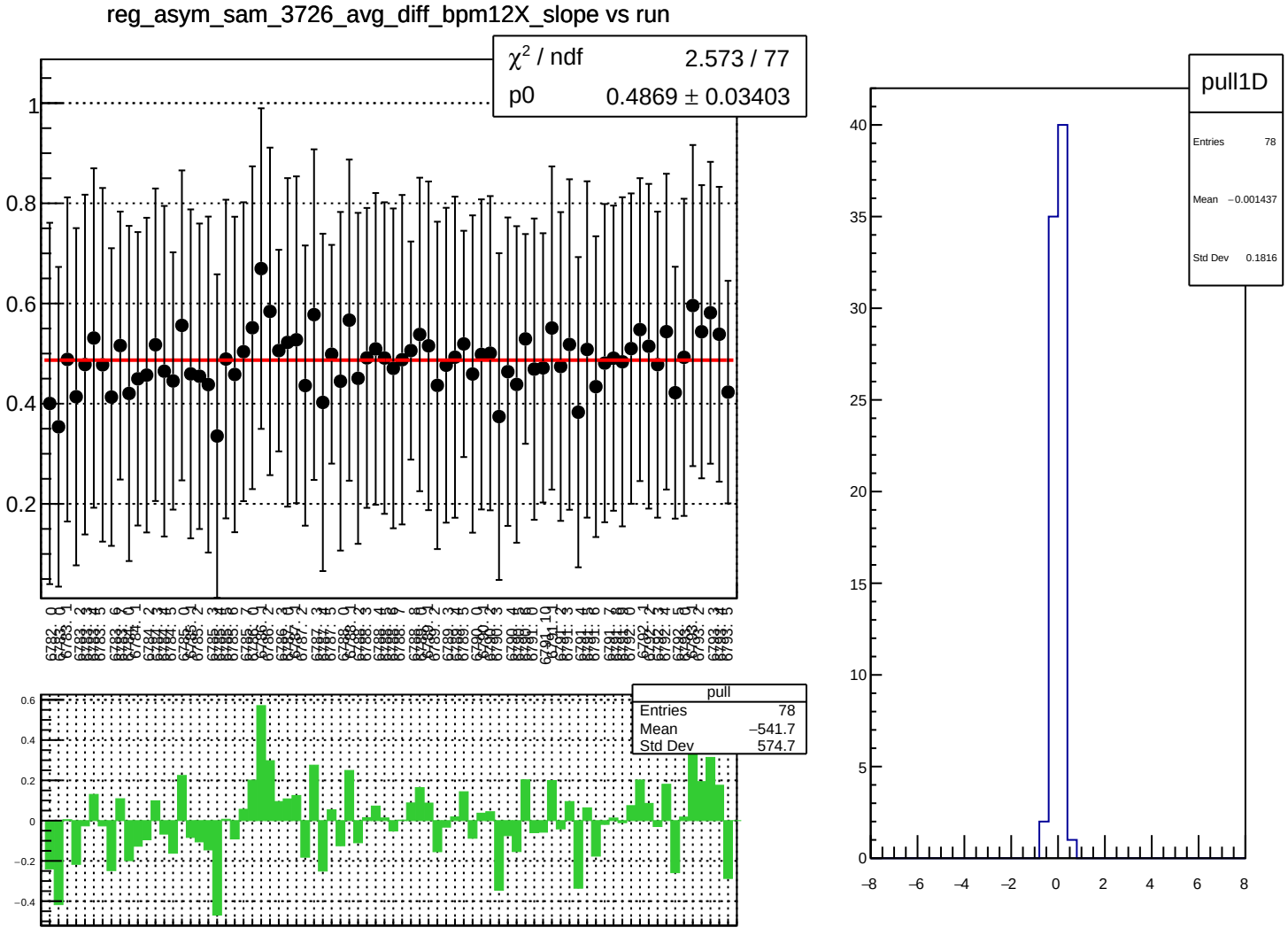

pull1D
Entries 78
Mean −0.008186
Std Dev 0.3255

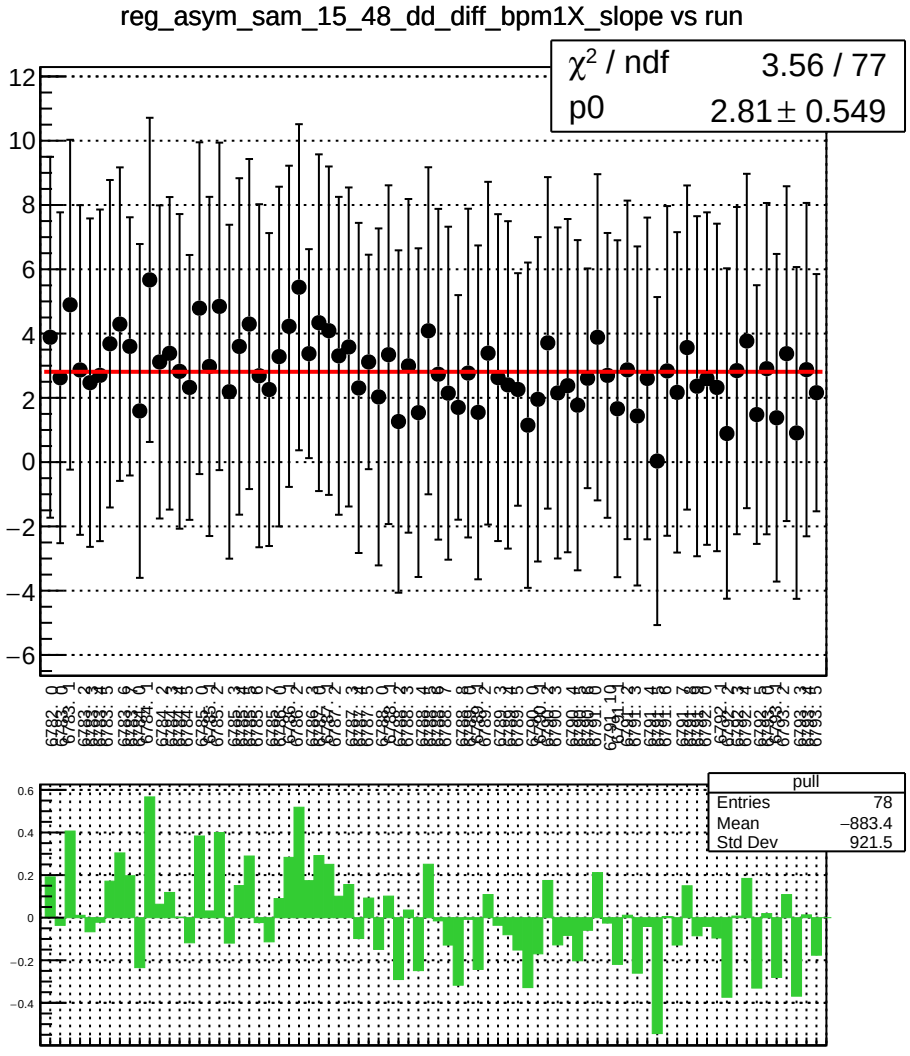

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.455 / 77
p0 −62.63 ± 0.7226
pull
Entries 78
Mean −78.12
Std Dev 105.5

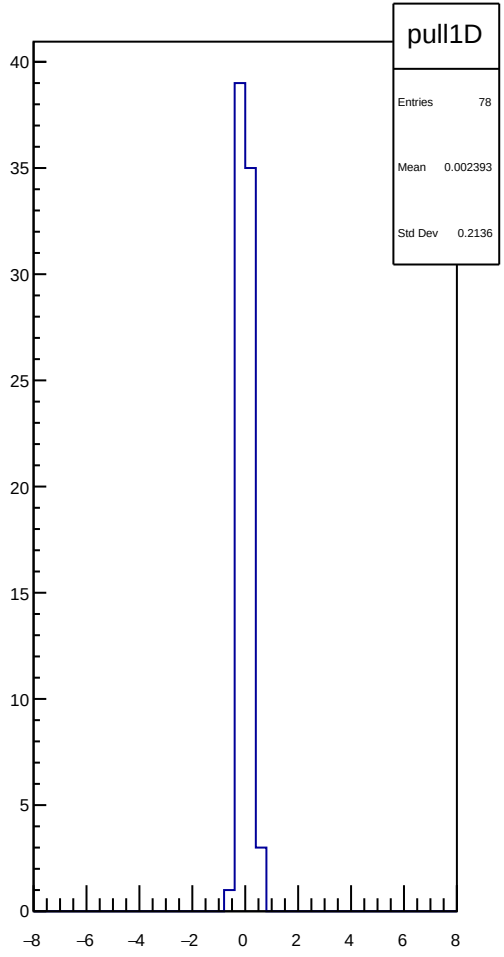

pull1D
Entries 78
Mean −0.0159
Std Dev 0.3289


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.7 / 77
p0 −15.66 ± 0.5056
pull
Entries 78
Mean −35.28
Std Dev 130

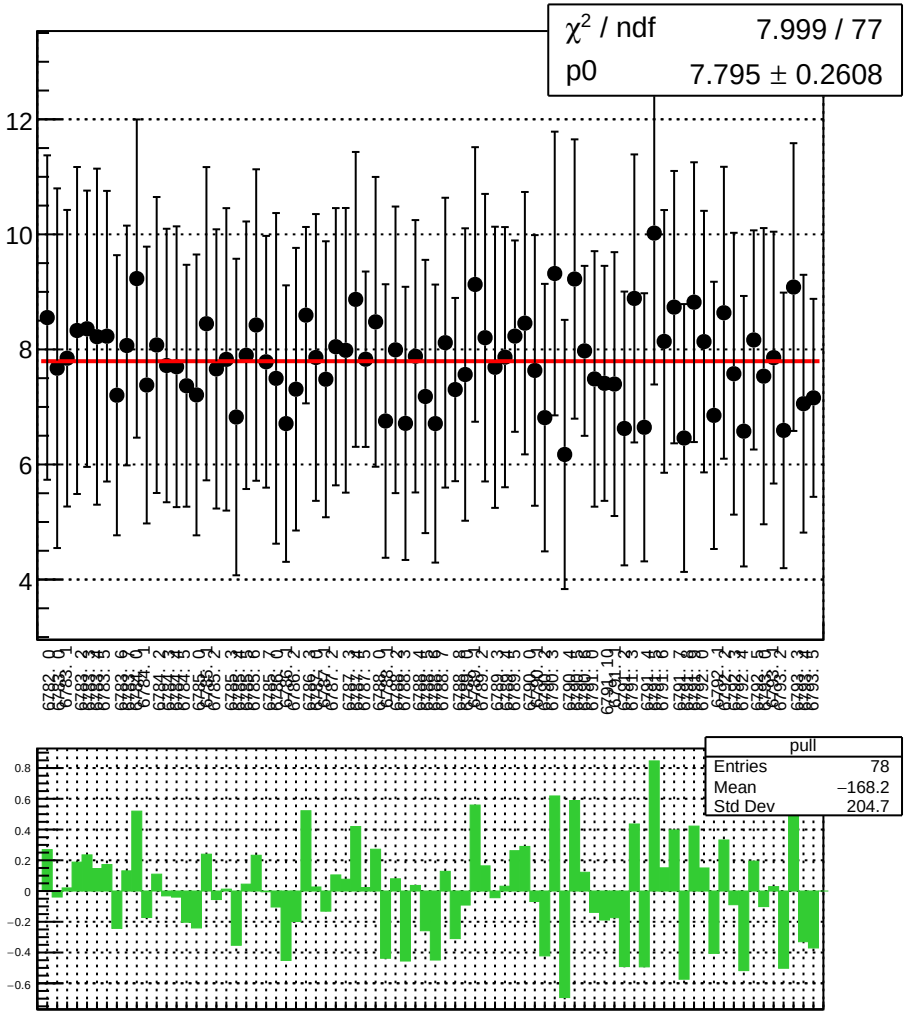

pull1D
Entries 78
Mean −0.001301
Std Dev 0.3703

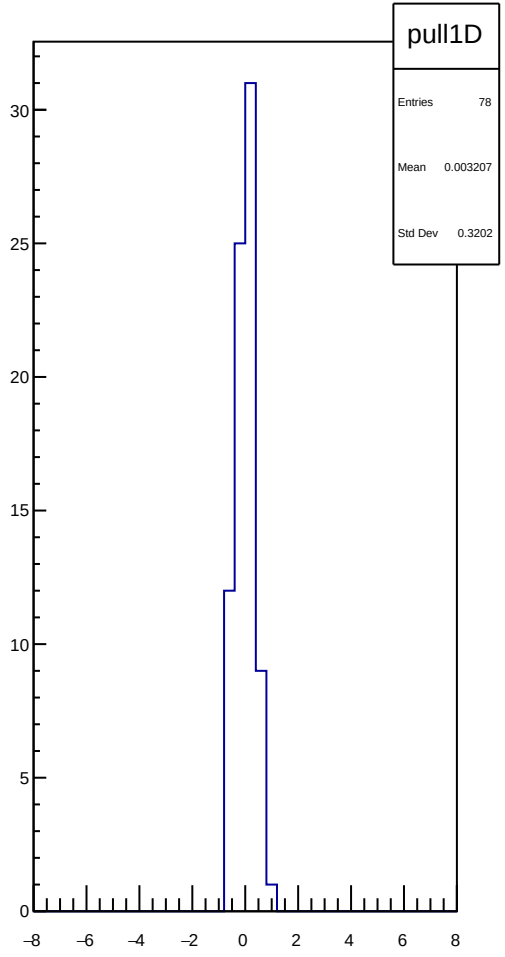

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.573 / 77
p0 0.4869 ± 0.03403
pull
Entries 78
Mean −541.7
Std Dev 574.7
pull1D
Entries 78
Mean −0.001437
Std Dev 0.1816

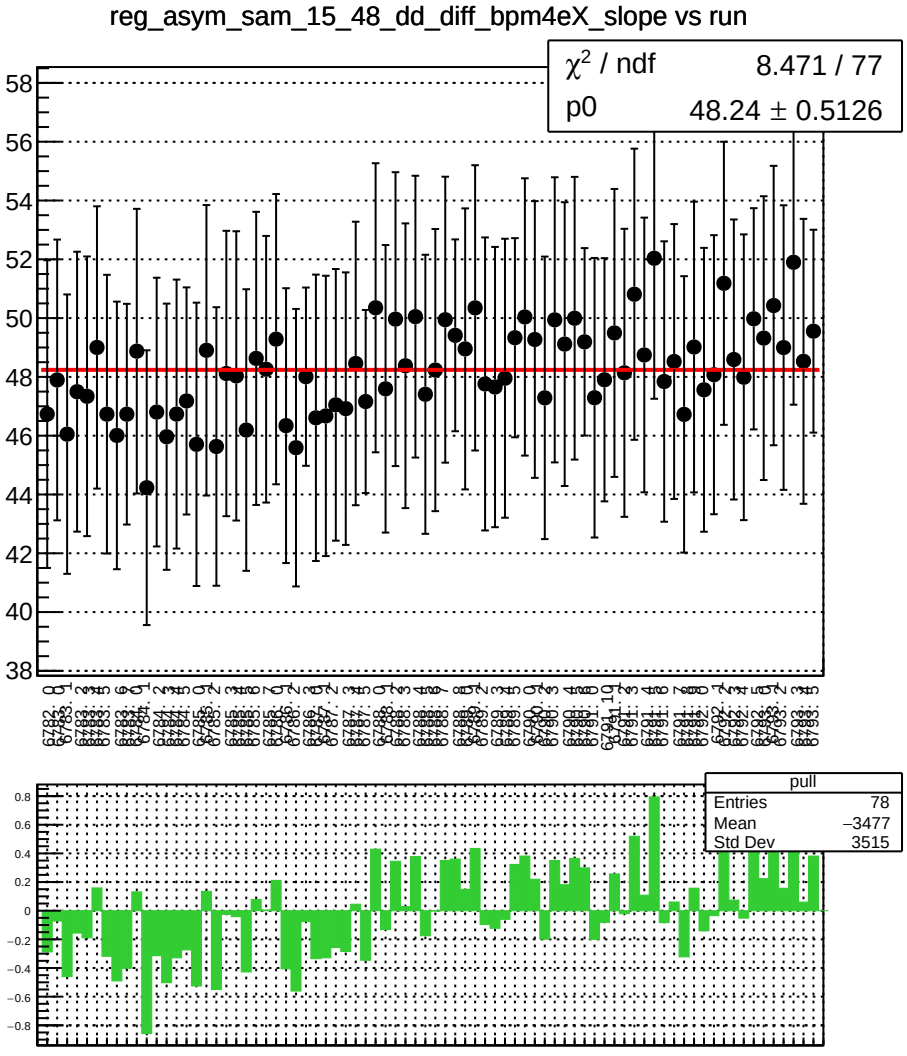

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.56 / 77
p0 2.81 ± 0.549
pull
Entries 78
Mean −883.4
Std Dev 921.5

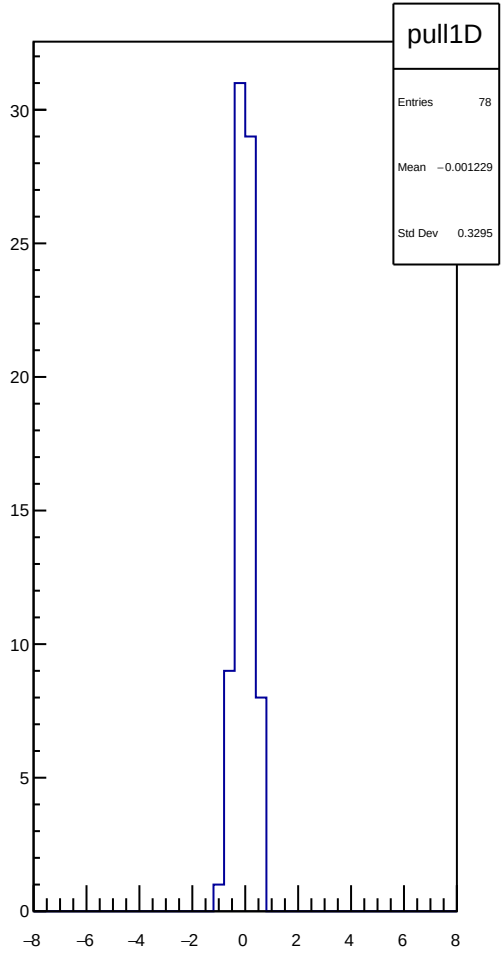

pull1D
Entries 78
Mean 0.002393
Std Dev 0.2136

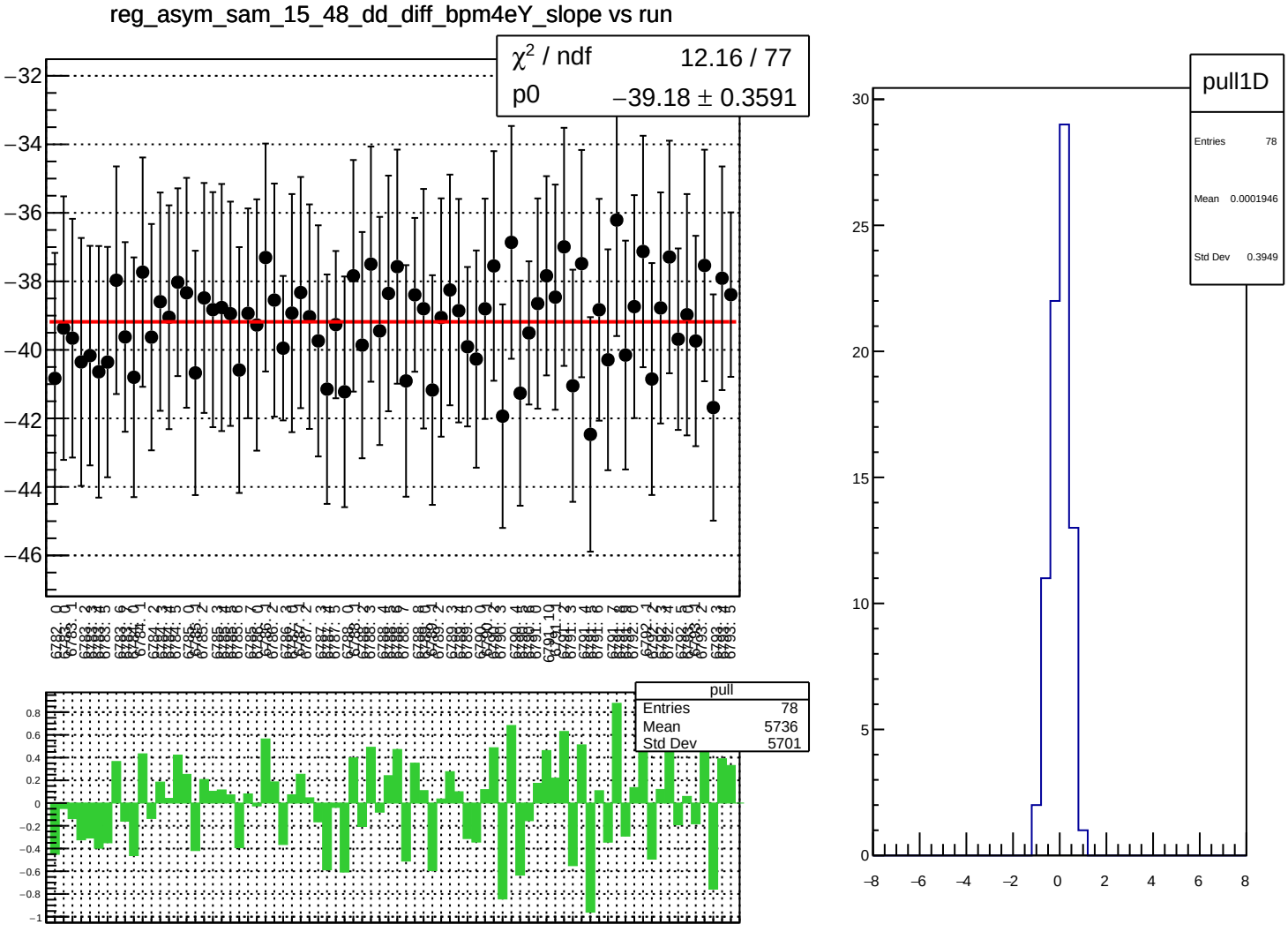
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run

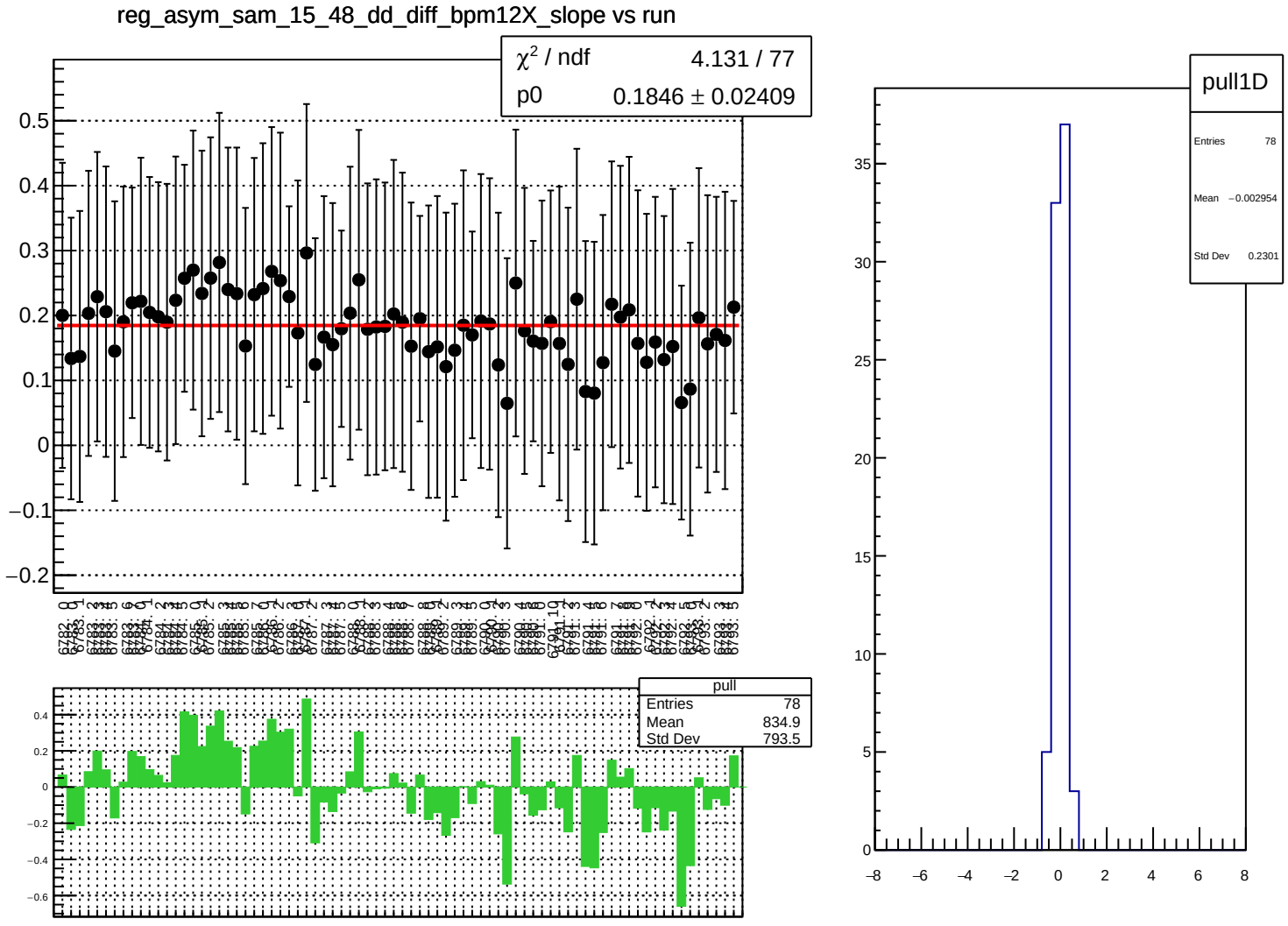


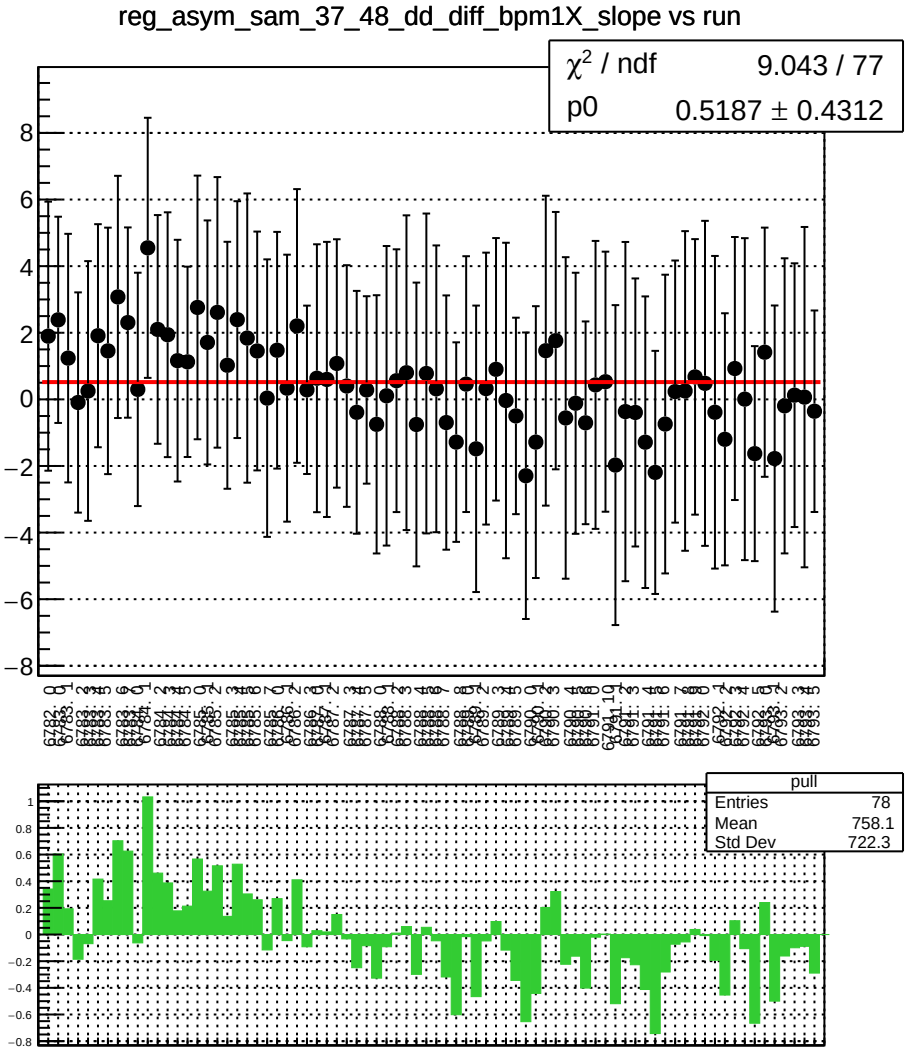


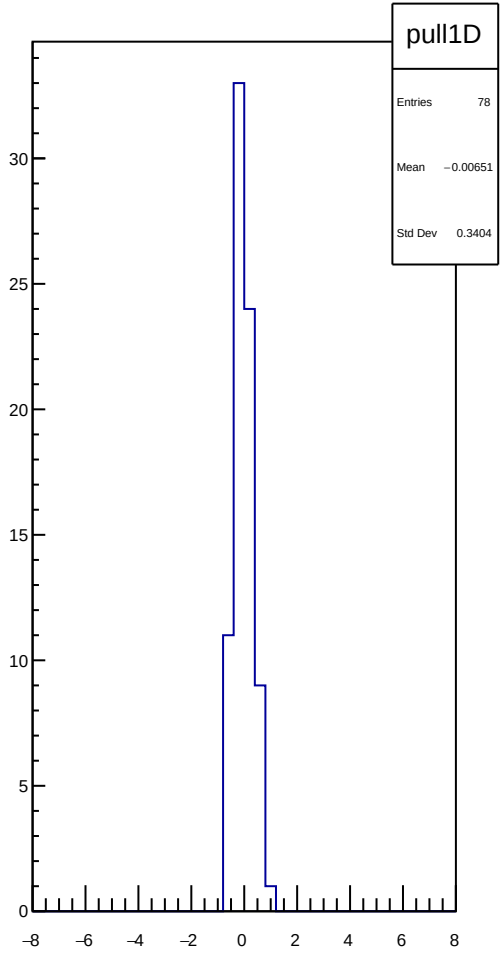

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.471 / 77
p0 48.24 ± 0.5126
pull
Entries 78
Mean −3477
Std Dev 3515


pull1D
Entries 78
Mean −0.001229
Std Dev 0.3295

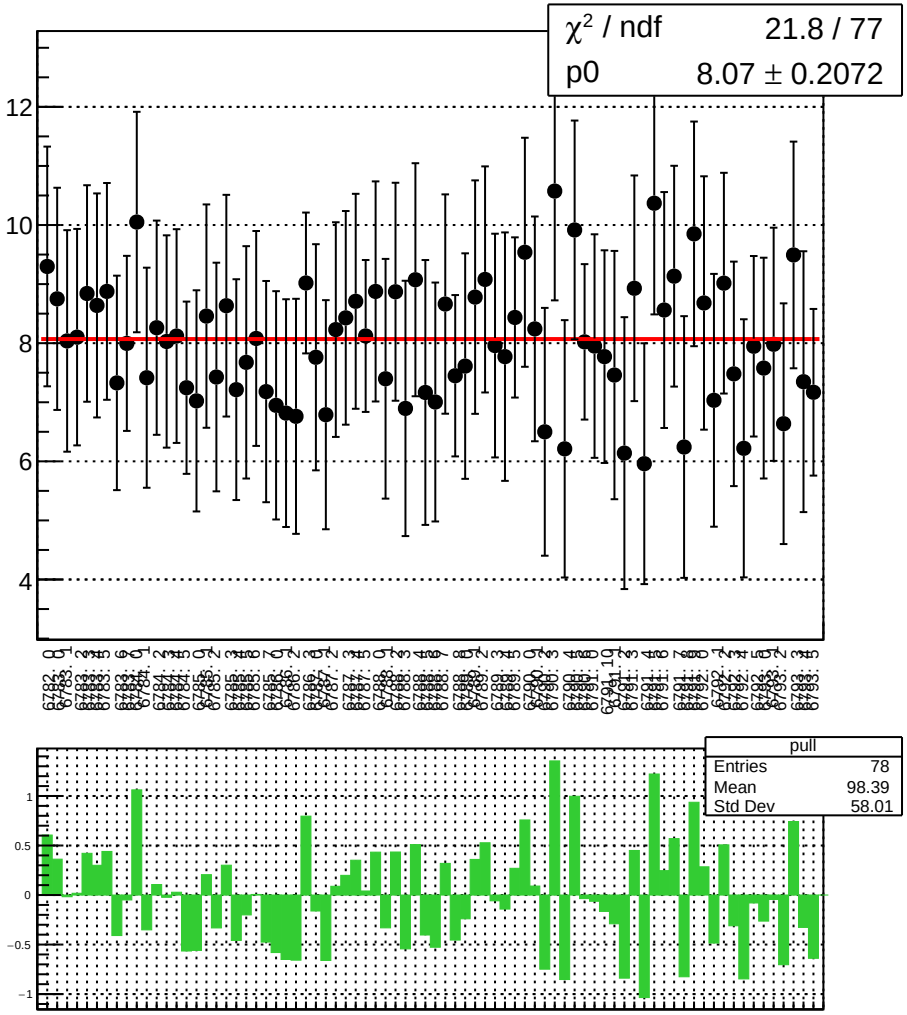

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.16 / 77
p0 −39.18 ± 0.3591
pull
Entries 78
Mean 5736
Std Dev 5701
pull1D
Entries 78
Mean 0.0001946
Std Dev 0.3949

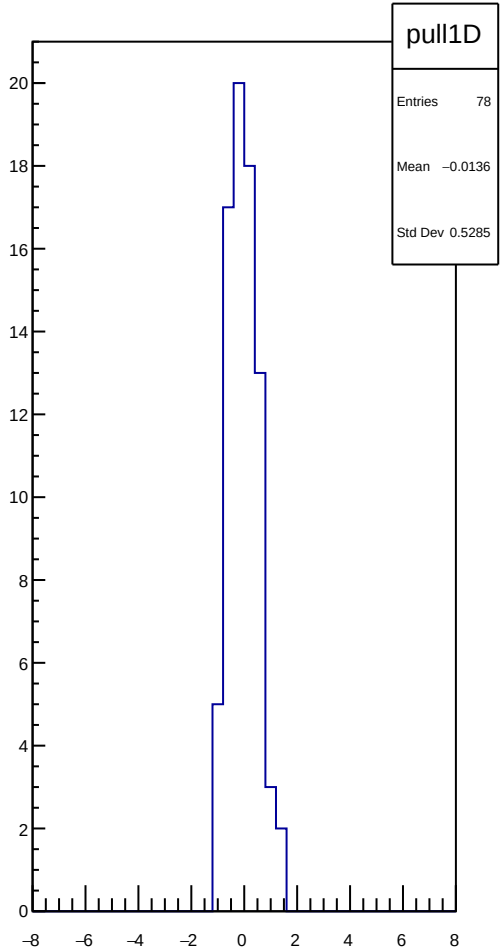

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.131 / 77
p0 0.1846 ± 0.02409
pull
Entries 78
Mean 834.9
Std Dev 793.5
pull1D
Entries 78
Mean −0.002954
Std Dev 0.2301

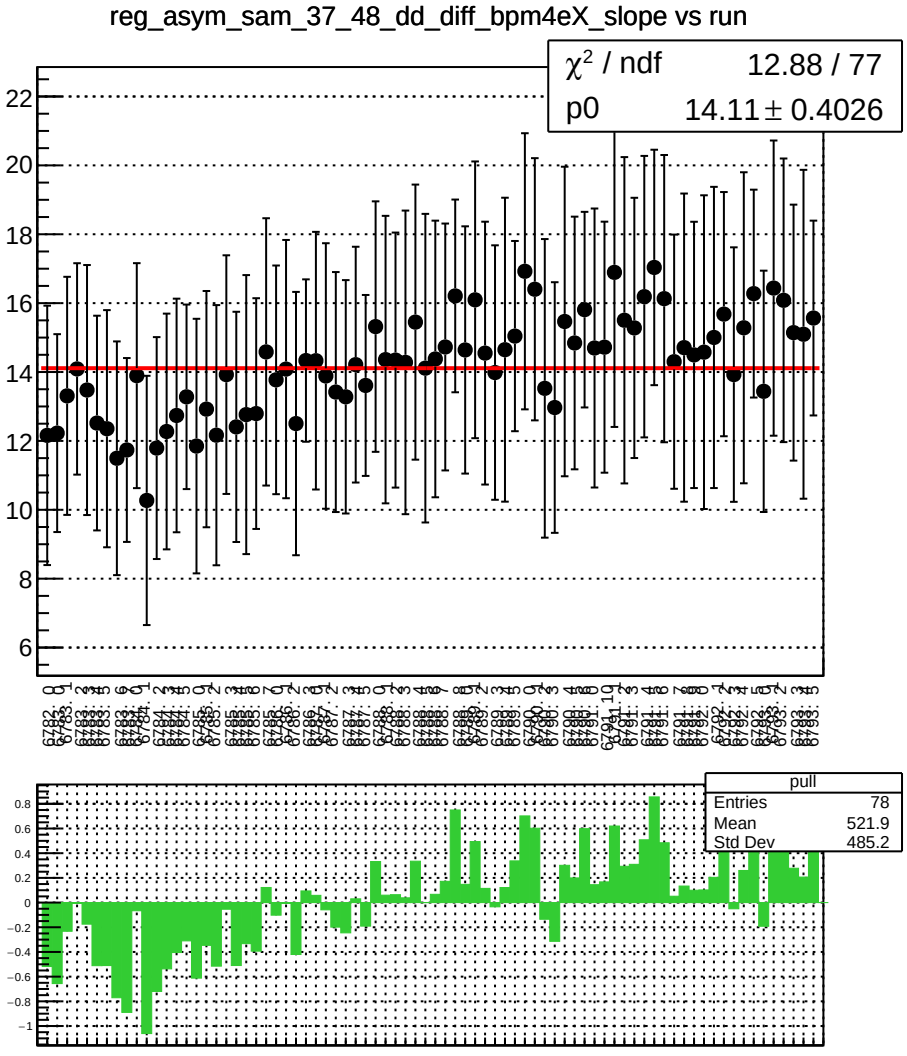

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 9.043 / 77
p0 0.5187 ± 0.4312
pull
Entries 78
Mean 758.1
Std Dev 722.3

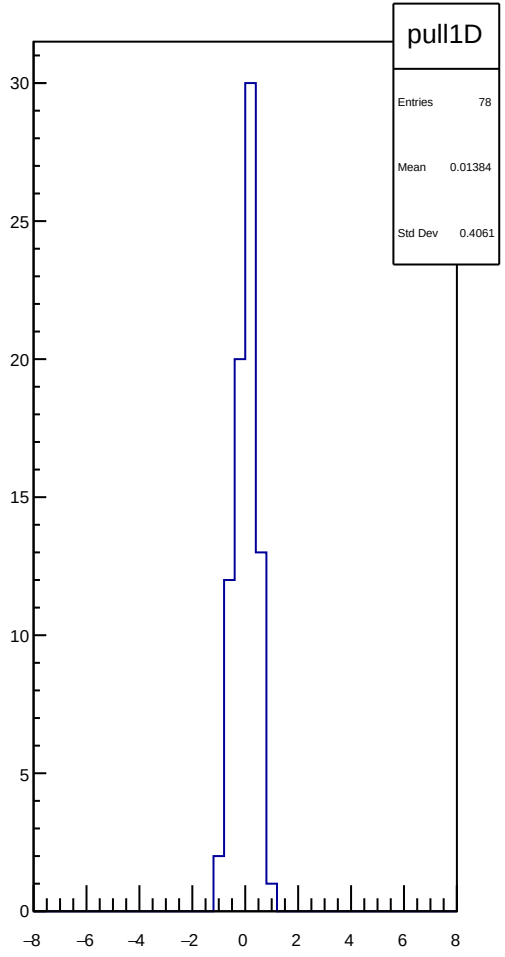

pull1D
Entries 78
Mean −0.00651
Std Dev 0.3404

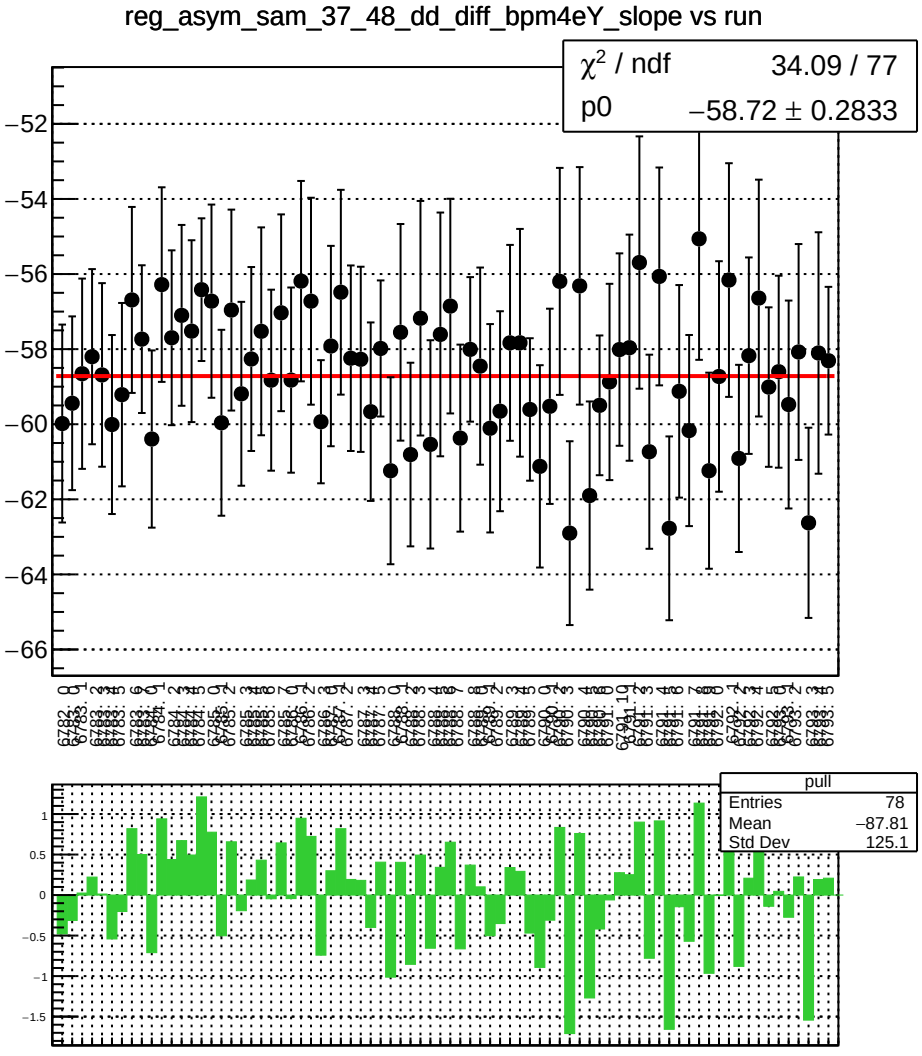
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run

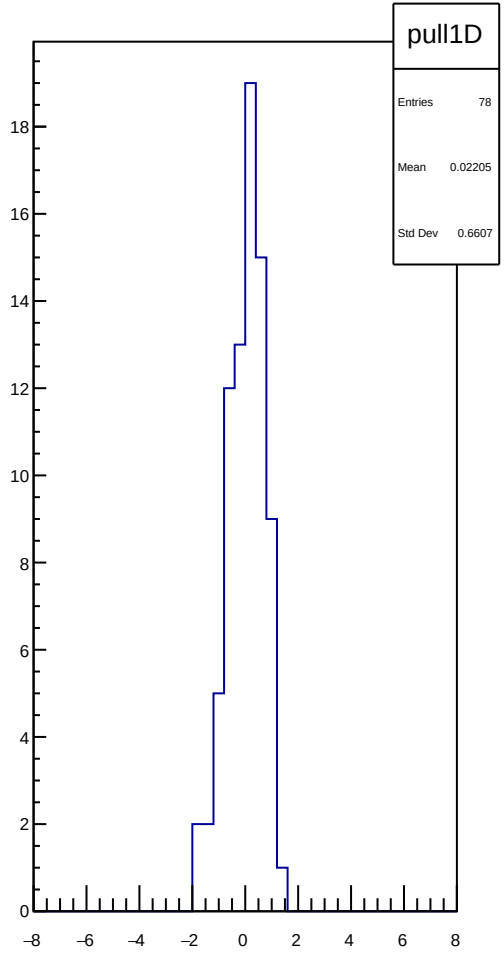


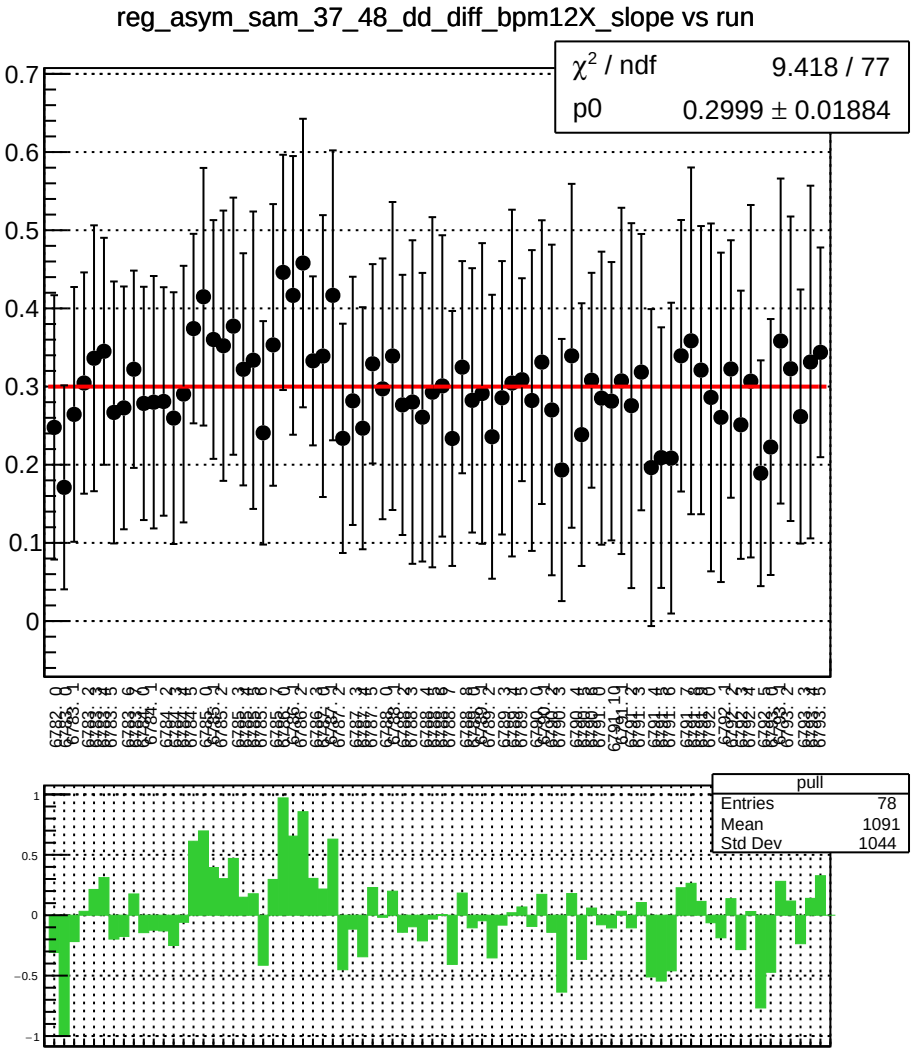


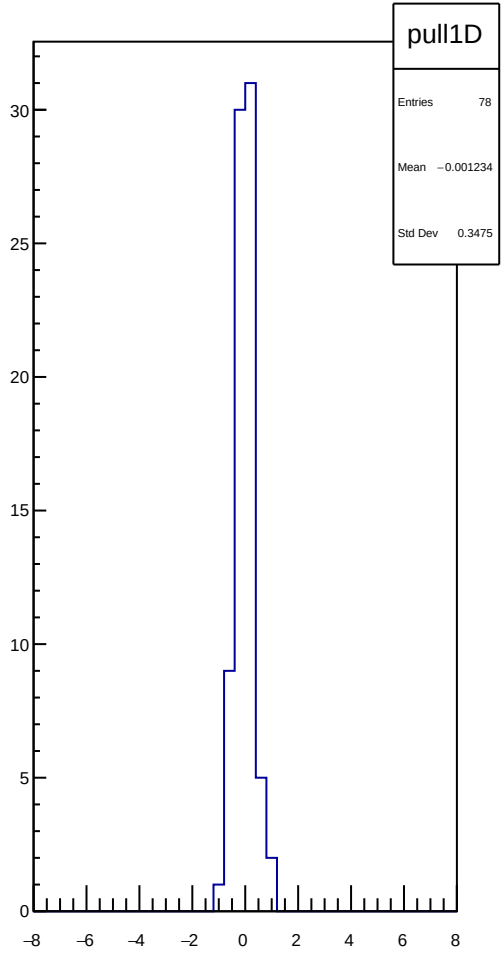

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.88 / 77
p0 14.11 ± 0.4026
pull
Entries 78
Mean 521.9
Std Dev 485.2

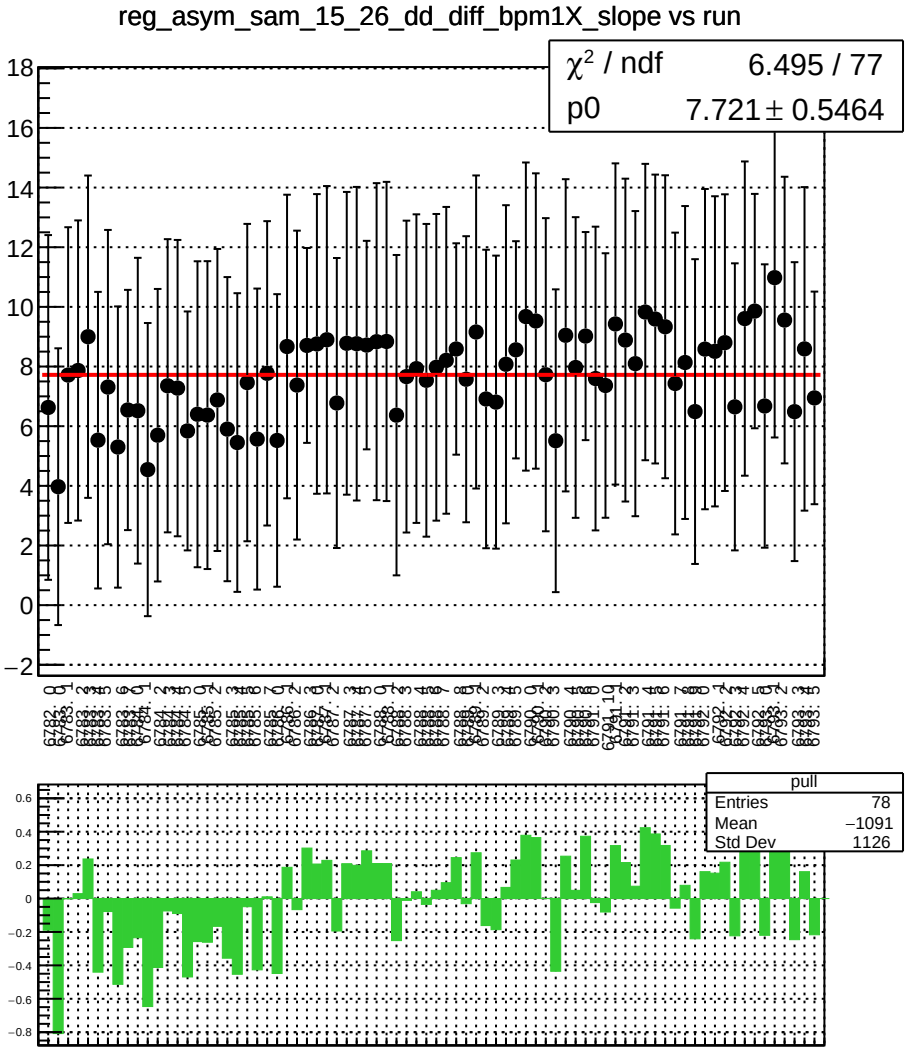

pull1D
Entries 78
Mean 0.01384
Std Dev 0.4061

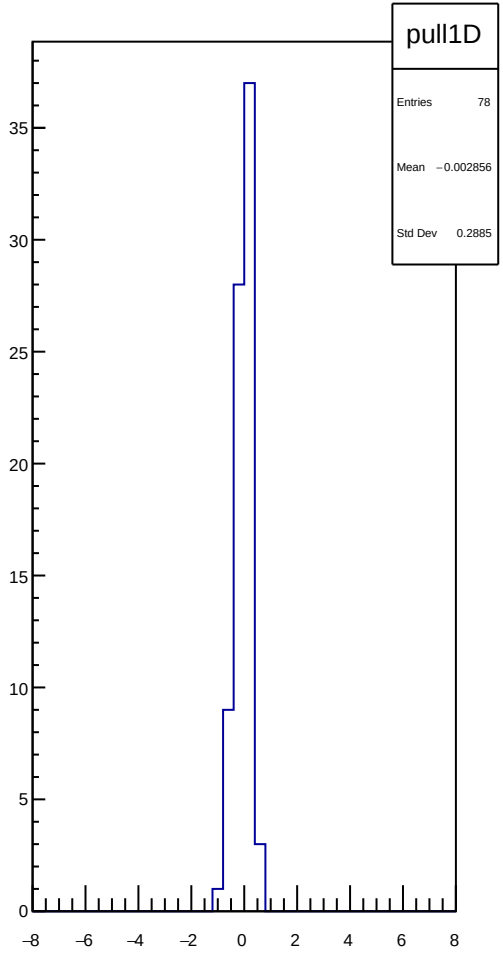

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 34.09 / 77
p0 −58.72 ± 0.2833
pull
Entries 78
Mean −87.81
Std Dev 125.1


pull1D
Entries 78
Mean 0.02205
Std Dev 0.6607

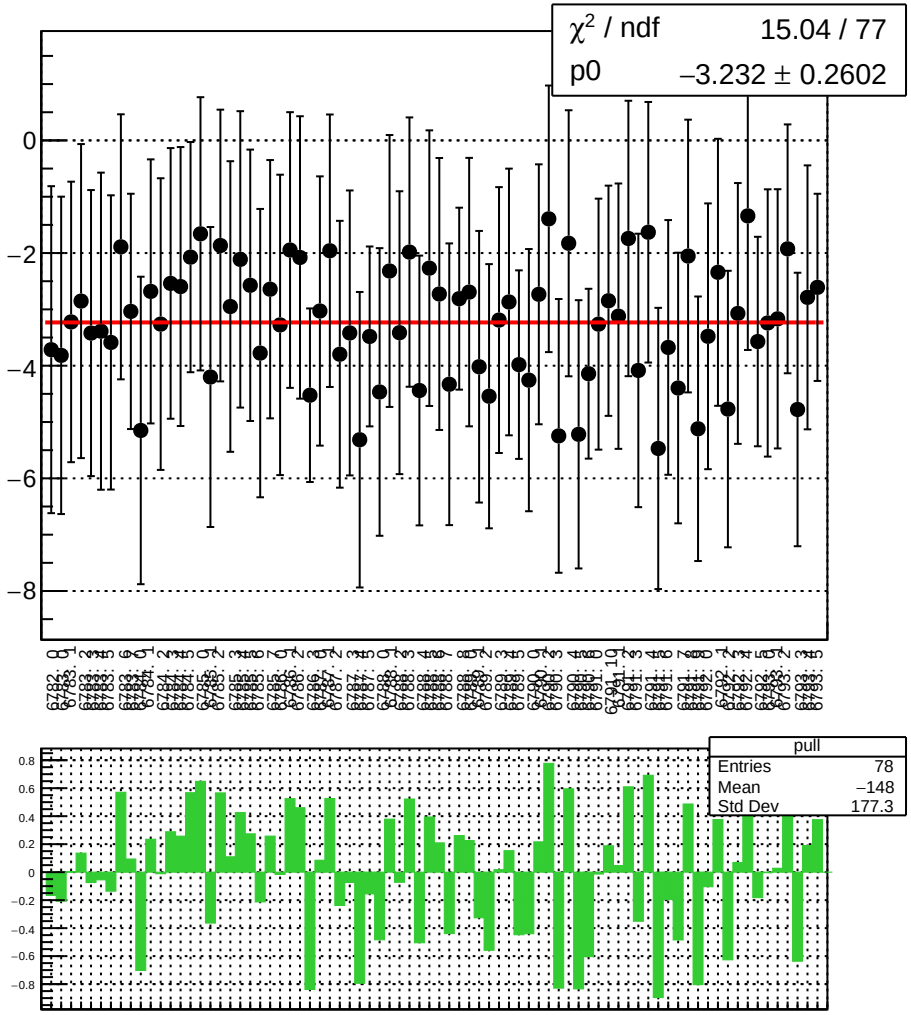

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.418 / 77
p0 0.2999 ± 0.01884
pull
Entries 78
Mean 1091
Std Dev 1044

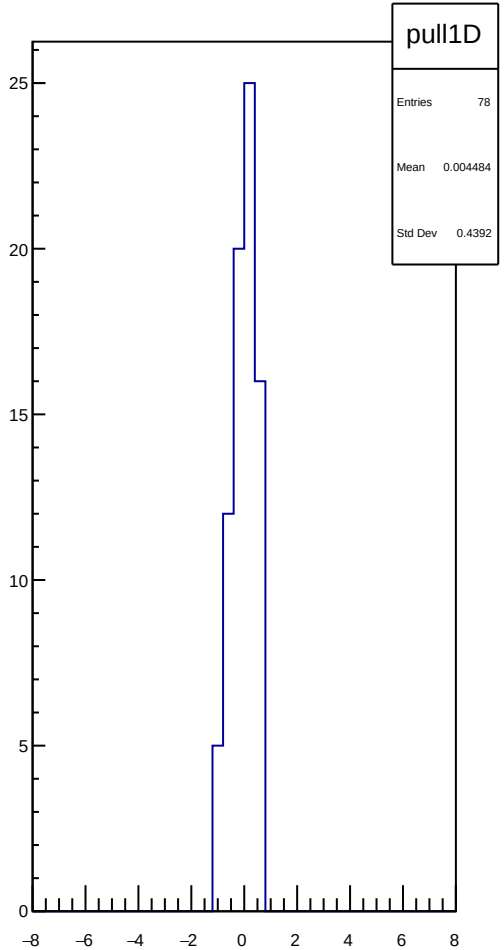

pull1D
Entries 78
Mean −0.001234
Std Dev 0.3475

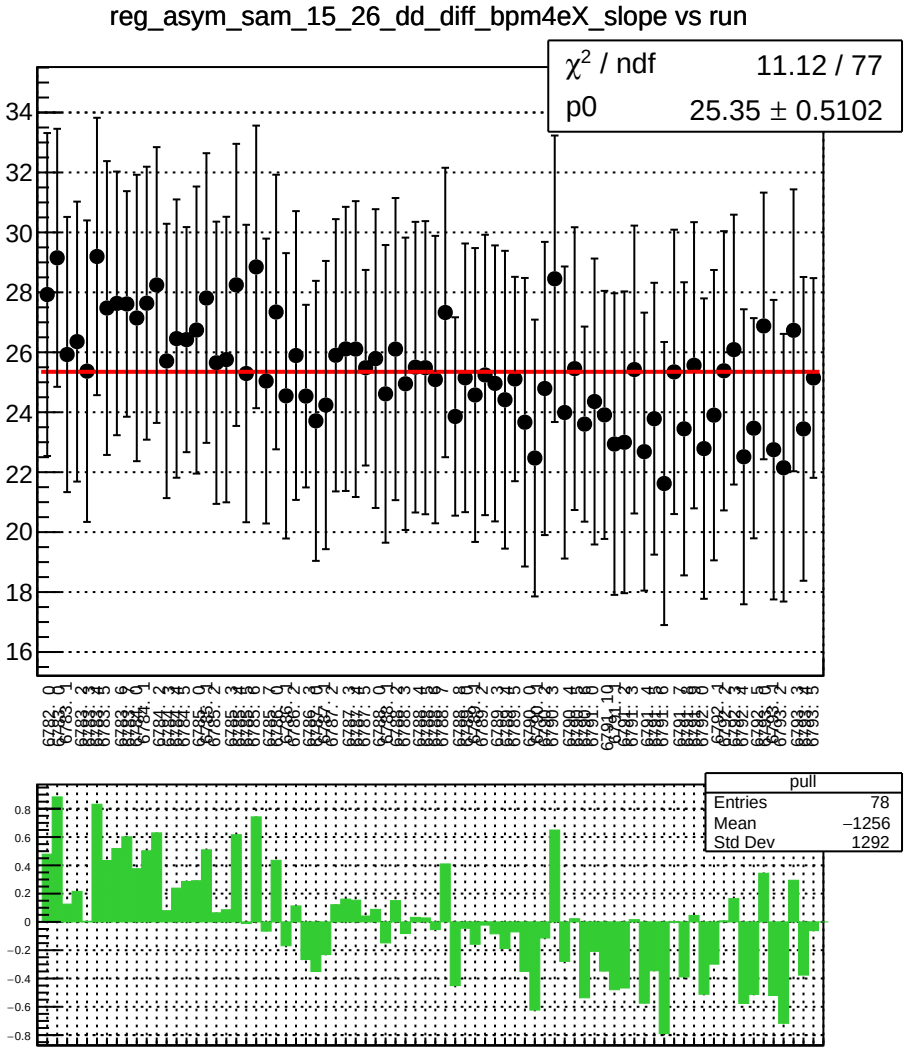

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.495 / 77
p0 7.721 ± 0.5464
pull
Entries 78
Mean −1091
Std Dev 1126

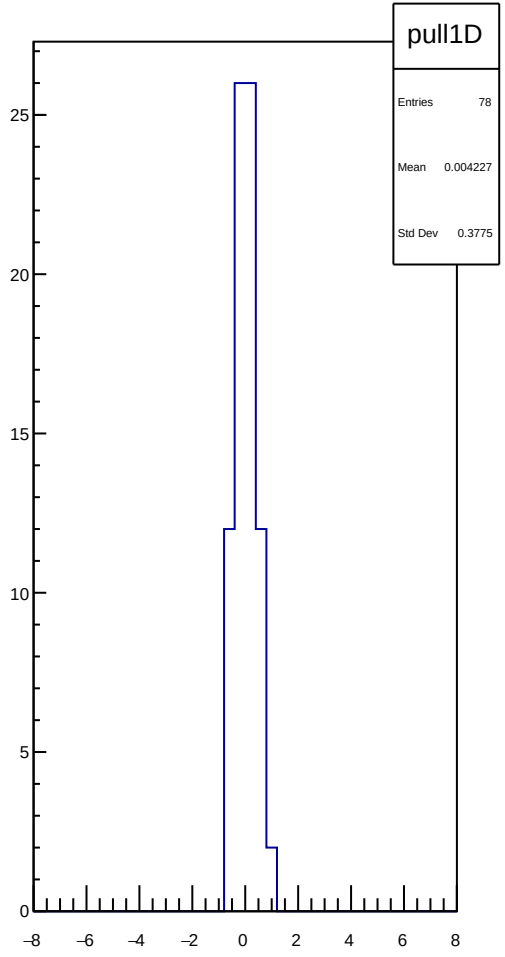

pull1D
Entries 78
Mean −0.002856
Std Dev 0.2885

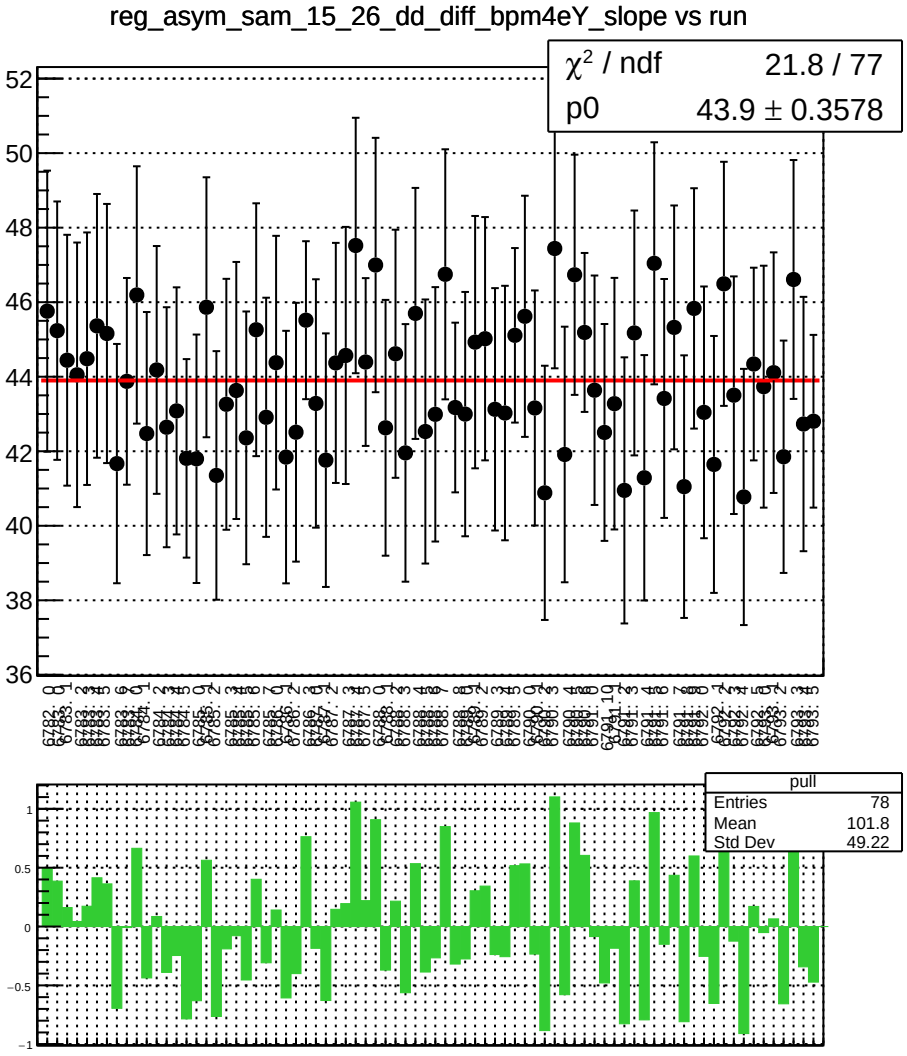
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run

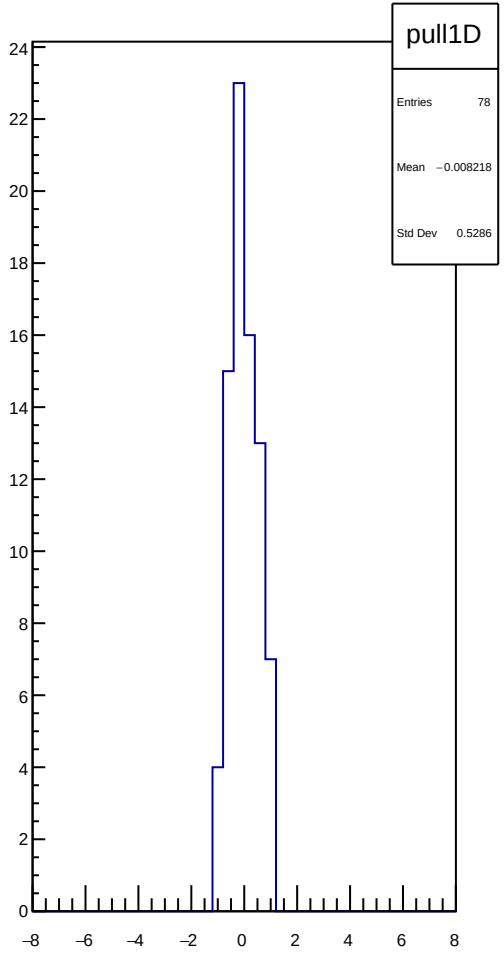


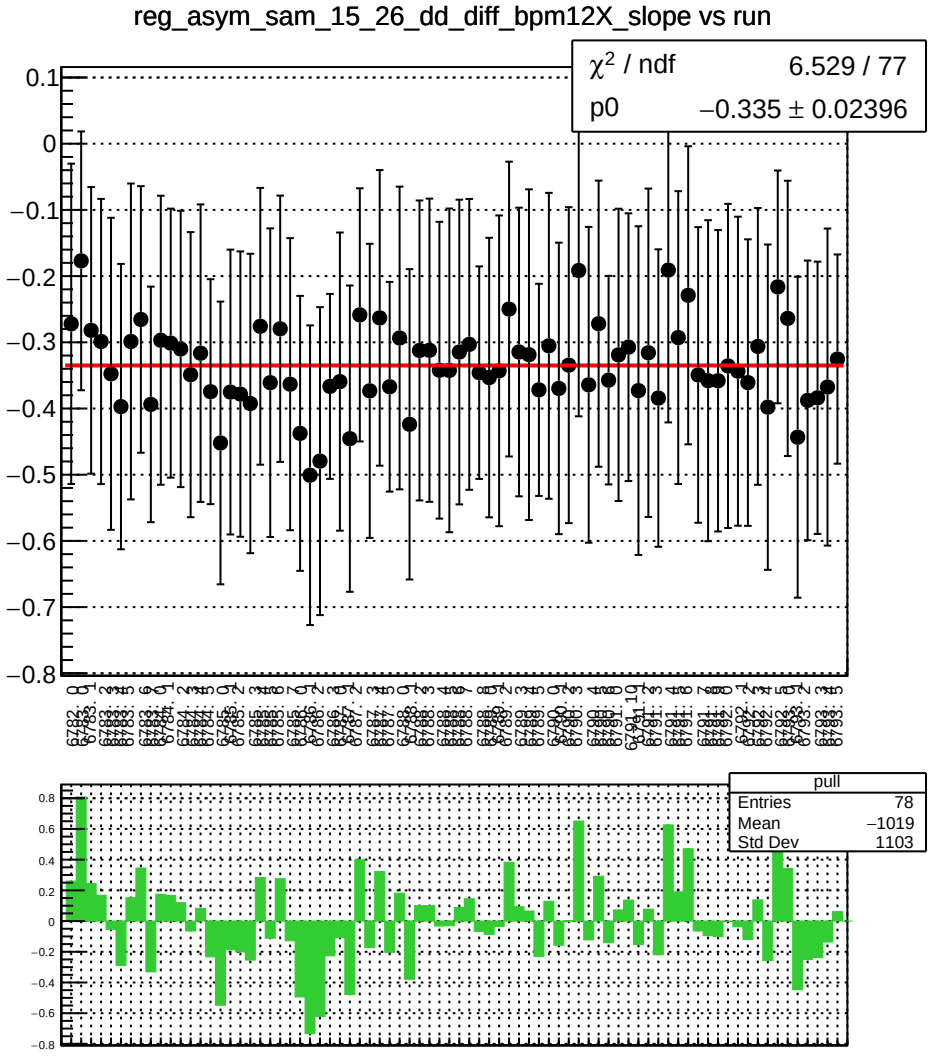


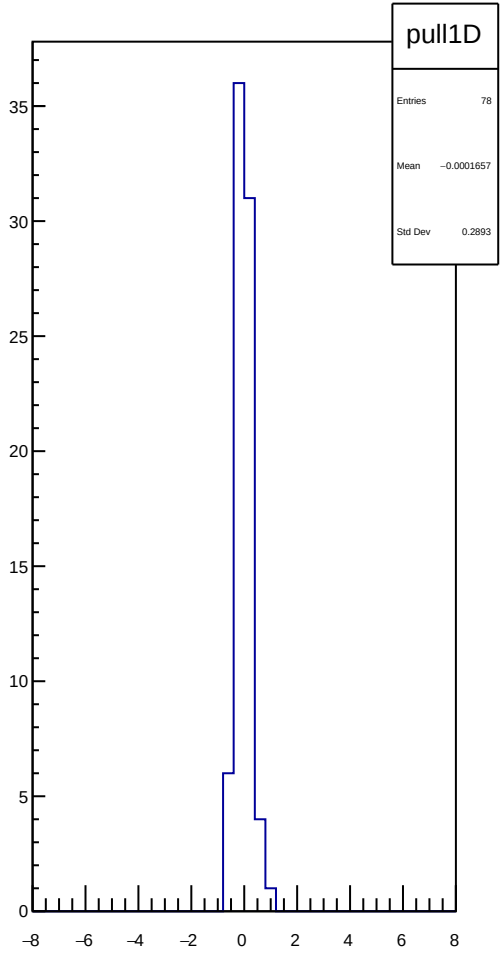

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 11.12 / 77
p0 25.35 ± 0.5102
pull
Entries 78
Mean −1256
Std Dev 1292

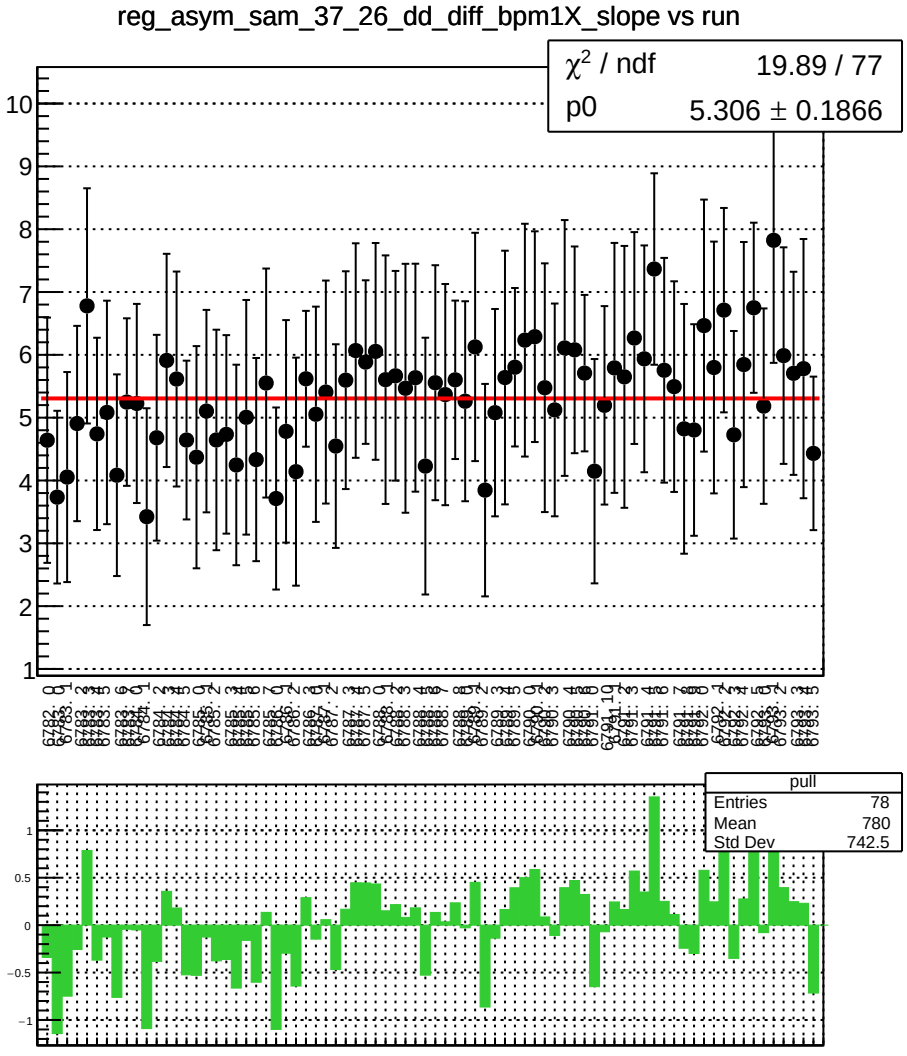

pull1D
Entries 78
Mean 0.004227
Std Dev 0.3775

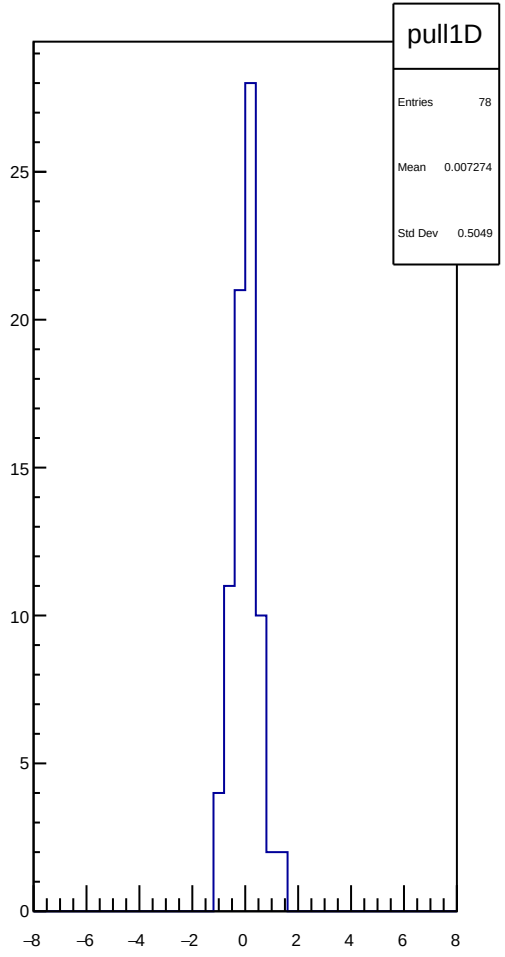

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.8 / 77
p0 43.9 ± 0.3578
pull
Entries 78
Mean 101.8
Std Dev 49.22


pull1D
Entries 78
Mean −0.008218
Std Dev 0.5286

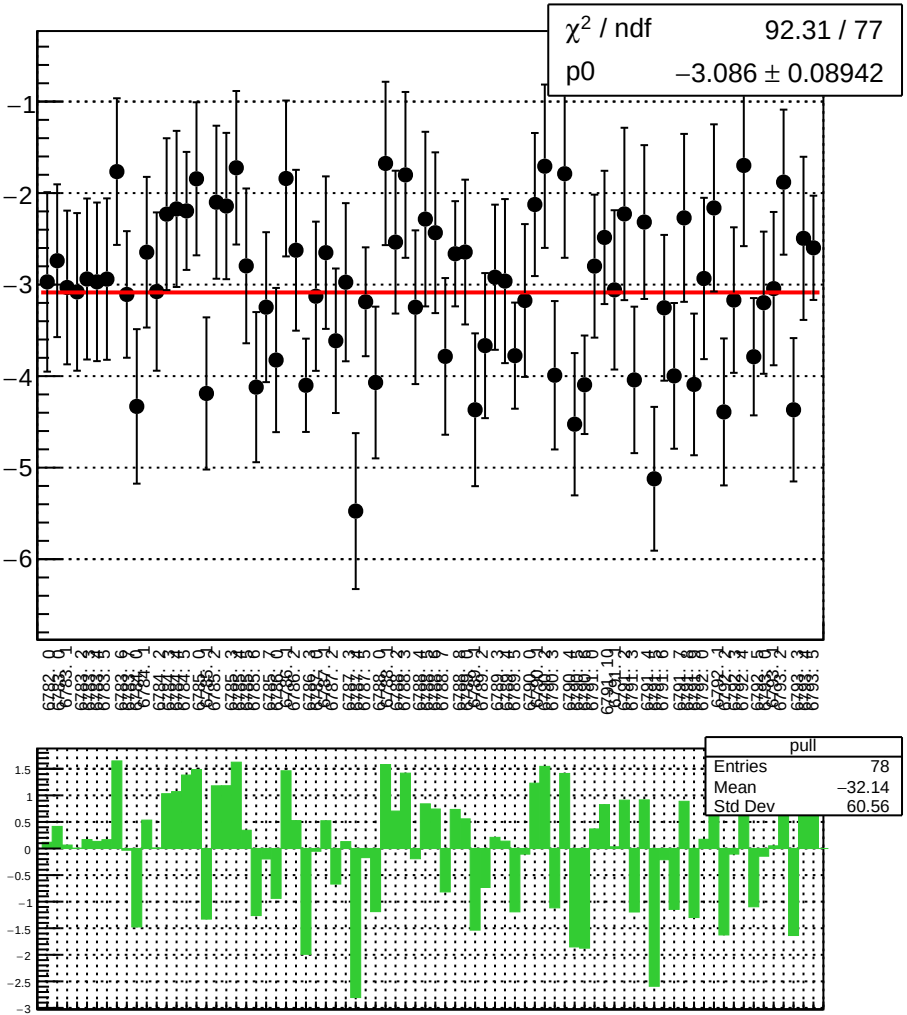

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.529 / 77
p0 −0.335 ± 0.02396
pull
Entries 78
Mean −1019
Std Dev 1103

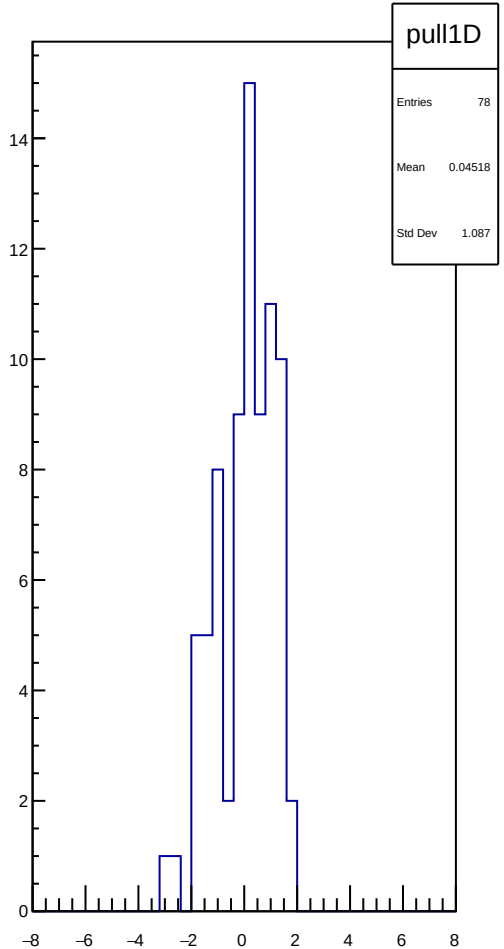

pull1D
Entries 78
Mean −0.0001657
Std Dev 0.2893

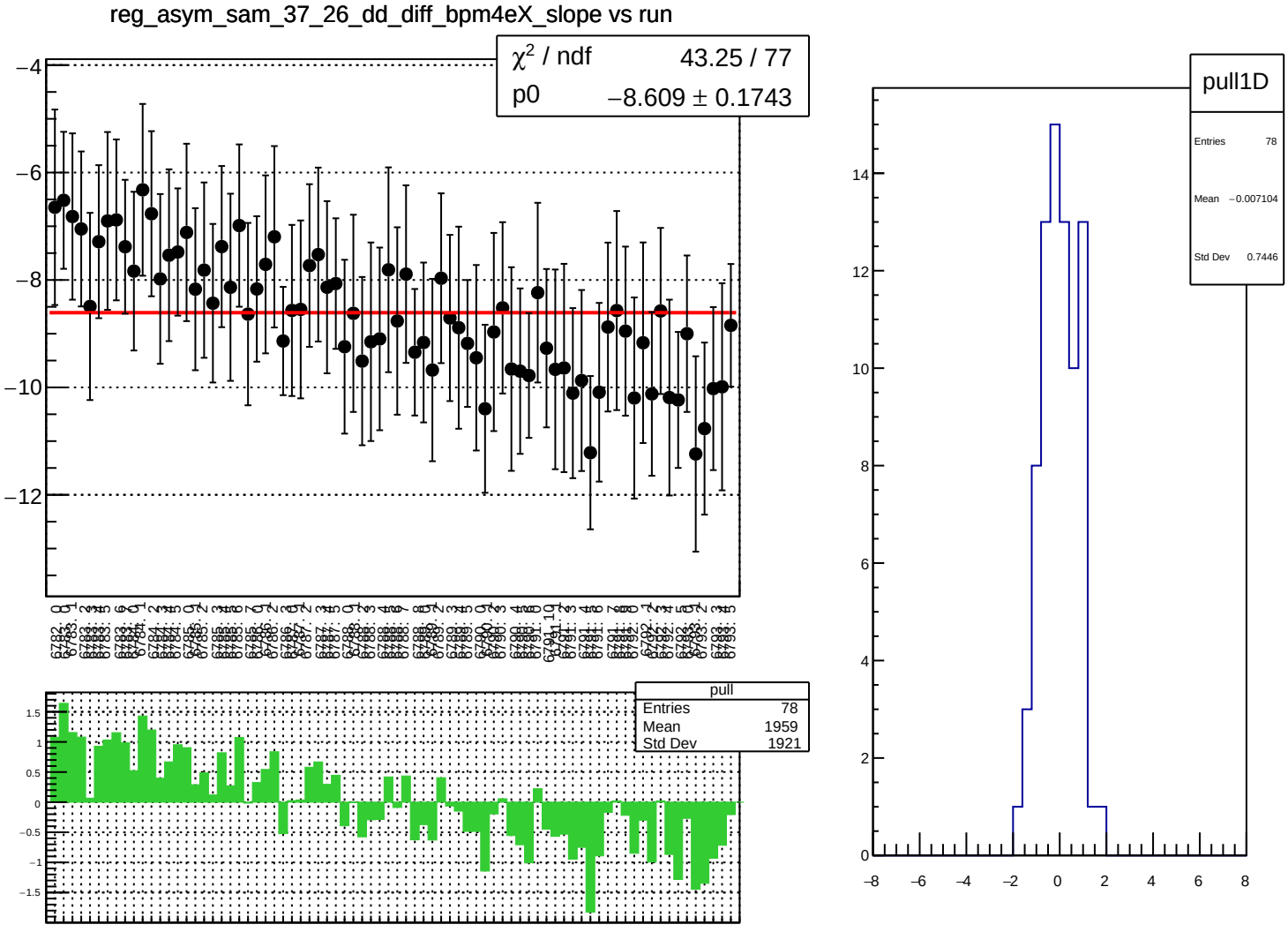

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 19.89 / 77
p0 5.306 ± 0.1866
pull
Entries 78
Mean 780
Std Dev 742.5


pull1D
Entries 78
Mean 0.007274
Std Dev 0.5049

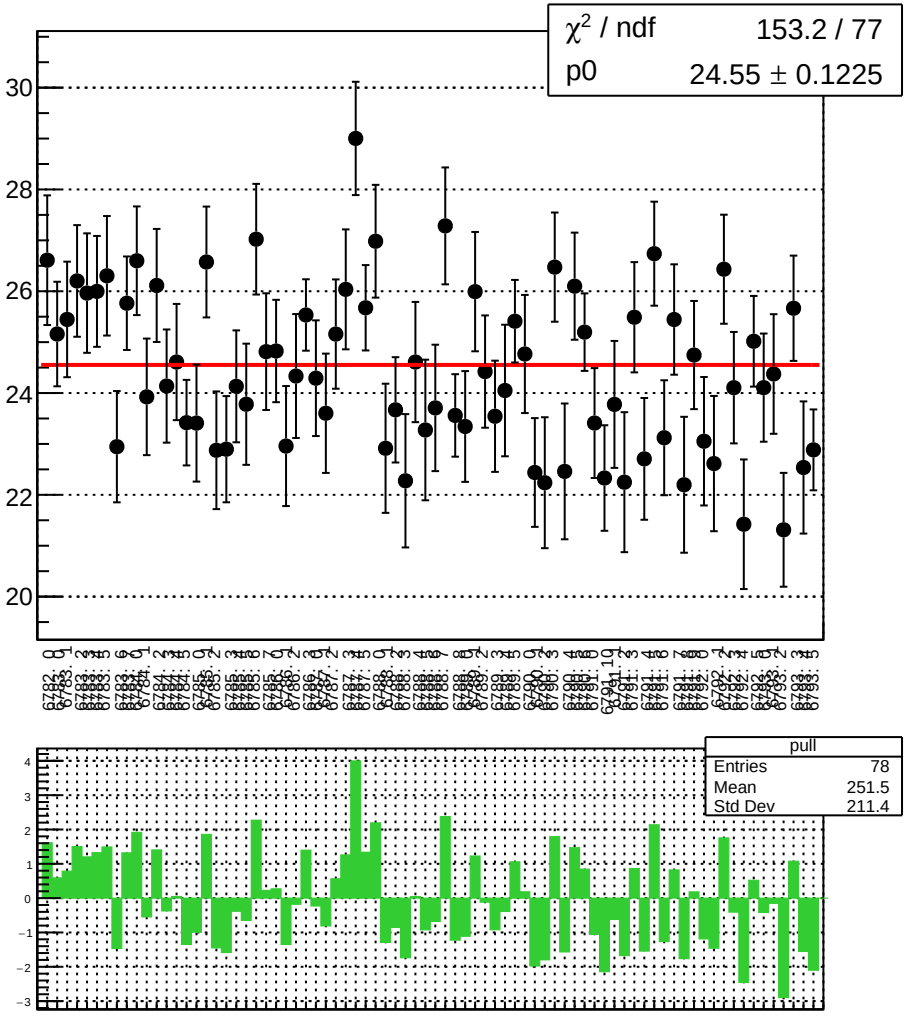
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

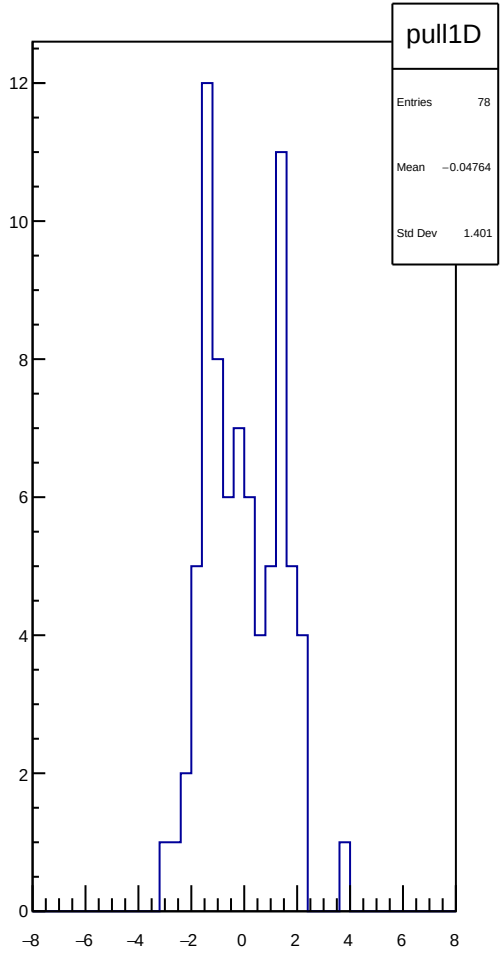


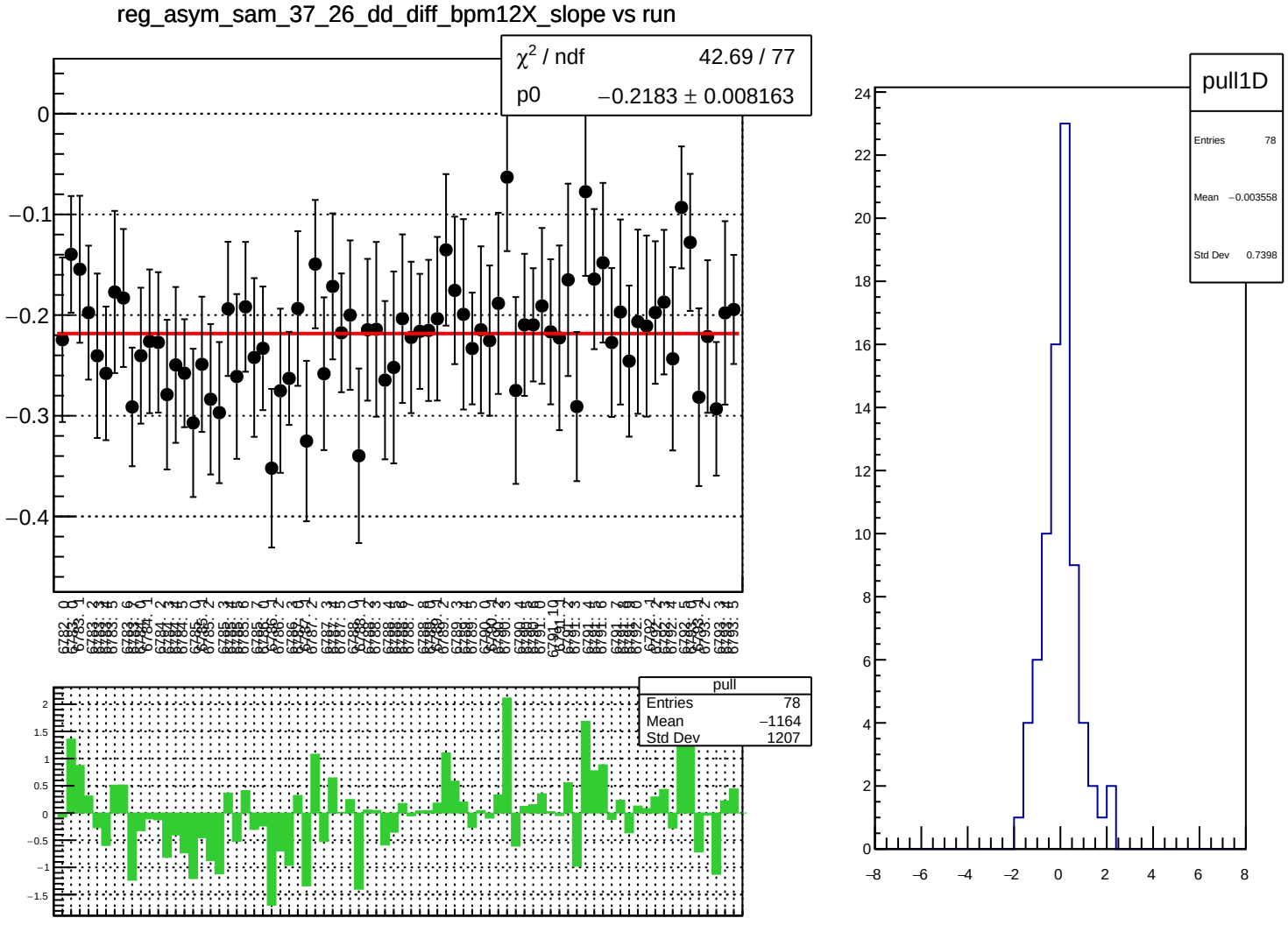


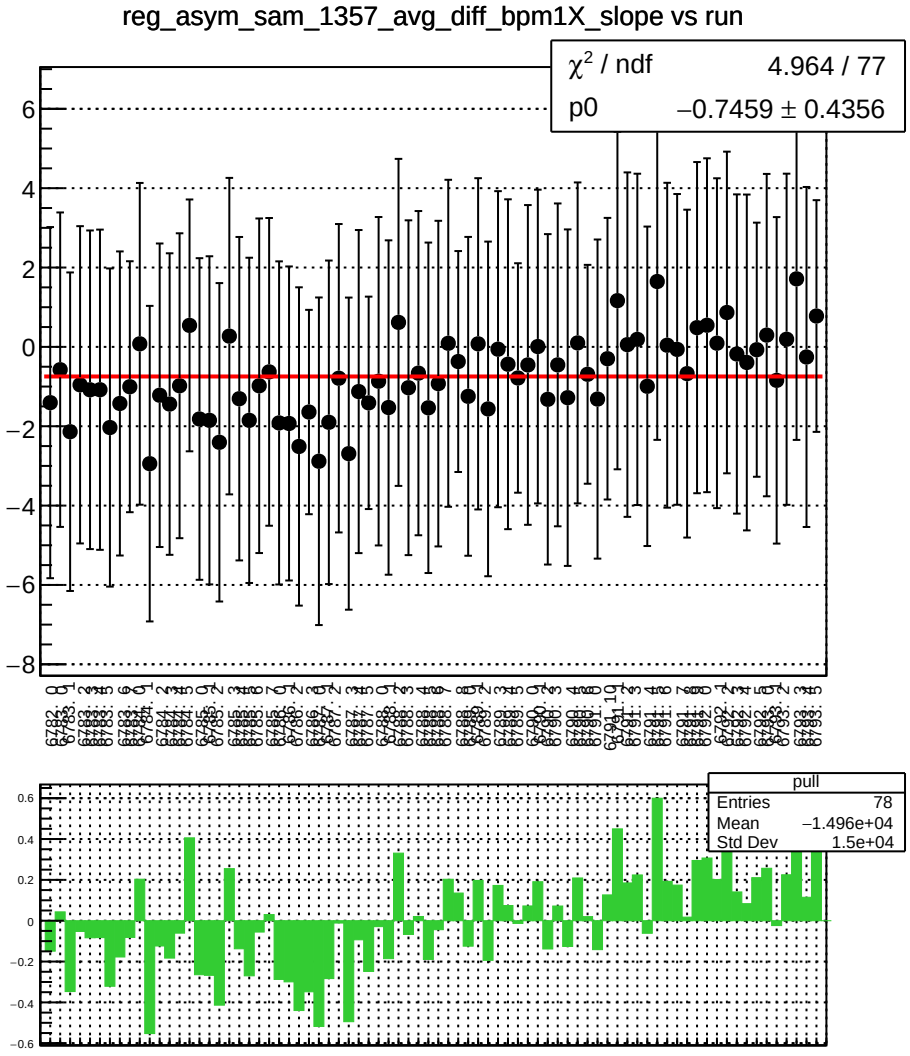

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.25 / 77
p0 −8.609 ± 0.1743
pull
Entries 78
Mean 1959
Std Dev 1921
pull1D
Entries 78
Mean −0.007104
Std Dev 0.7446

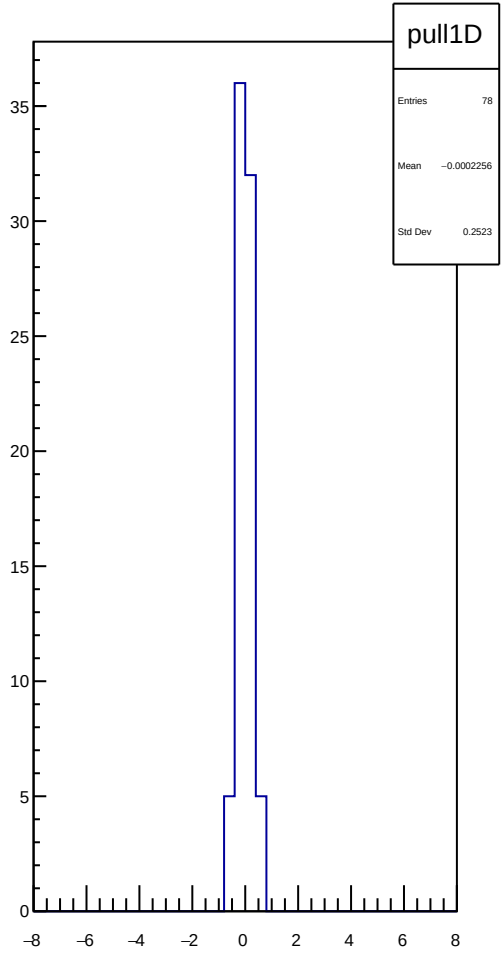
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run

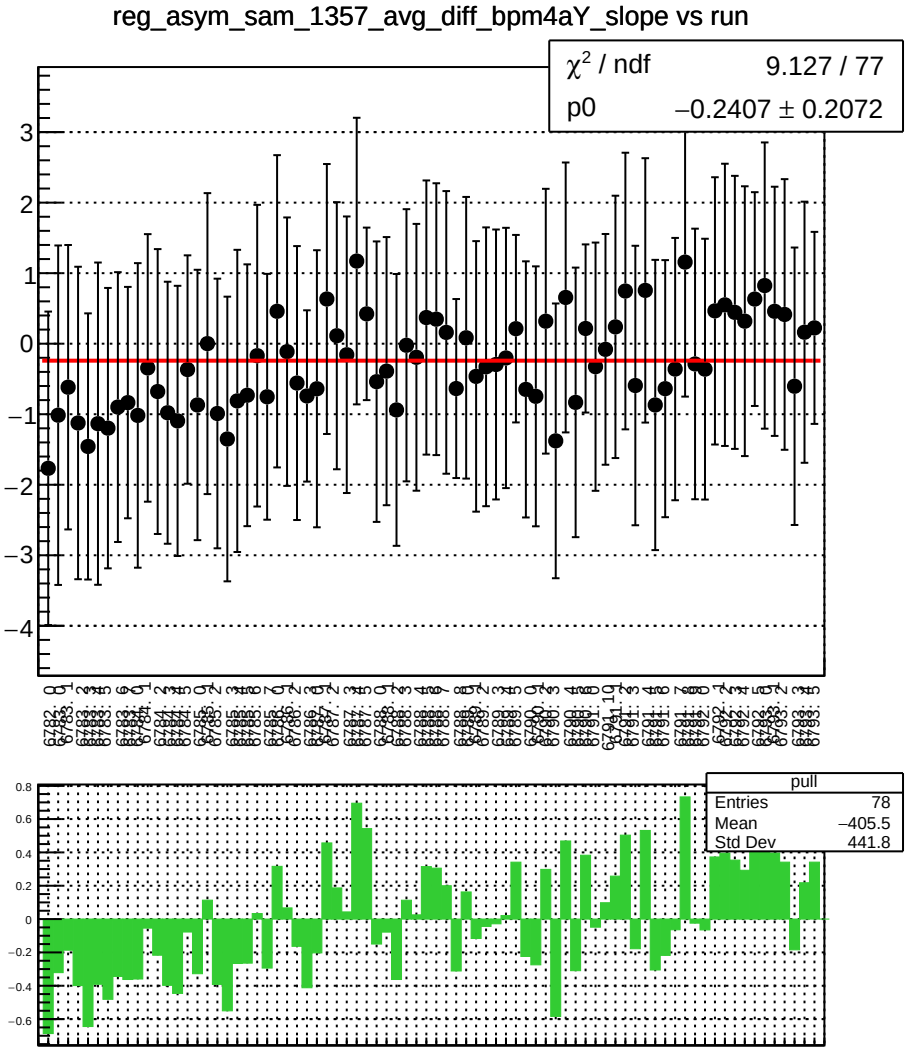


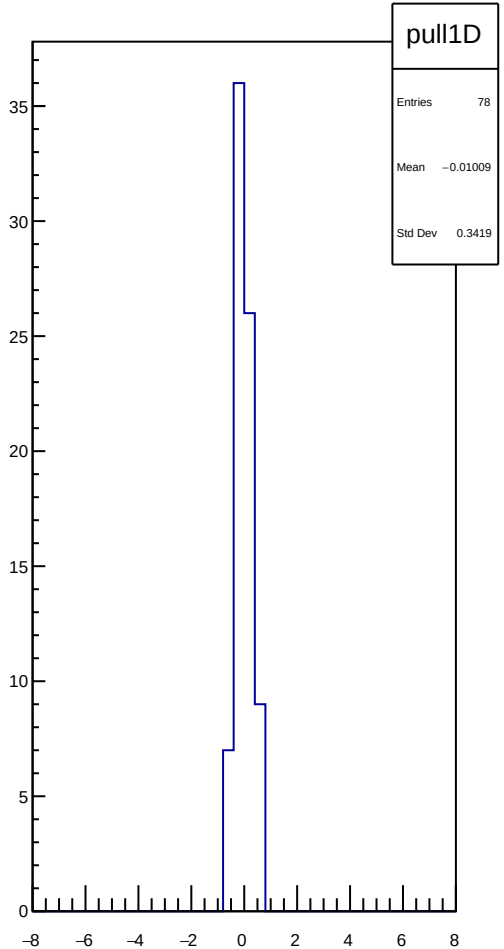


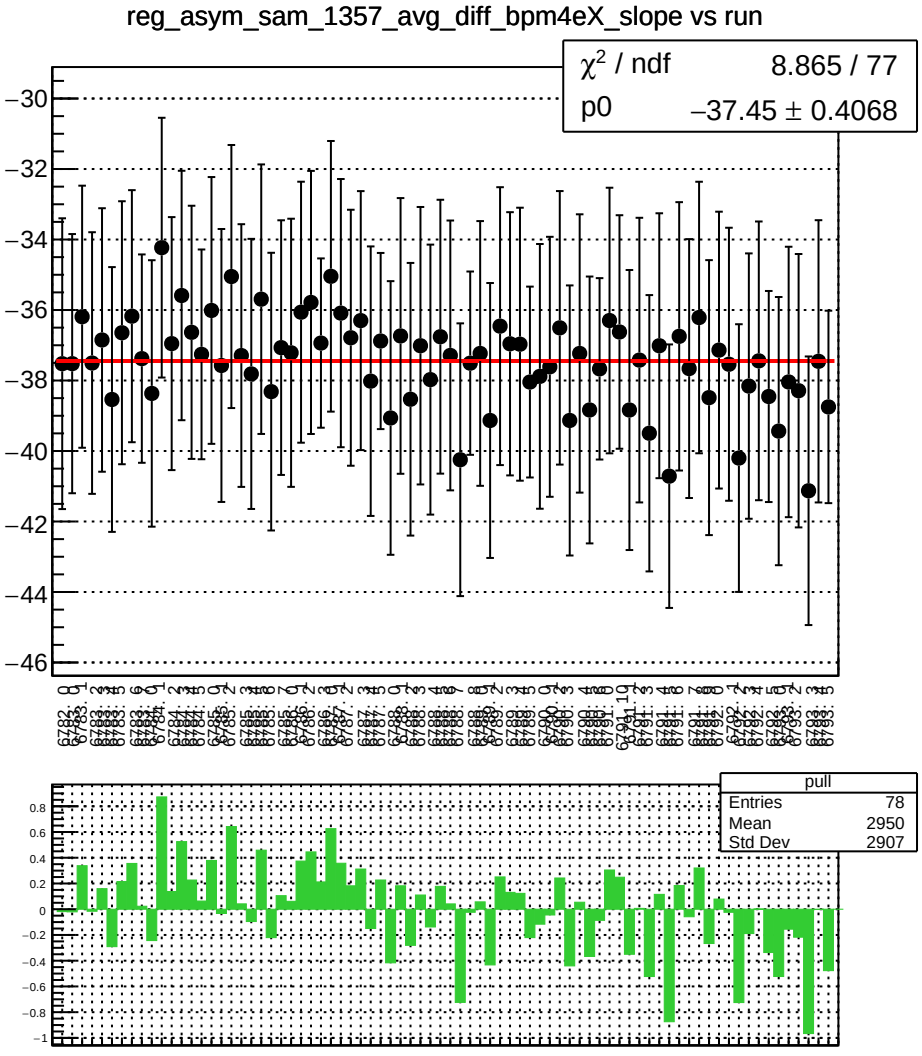

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 42.69 / 77
p0 −0.2183 ± 0.008163
pull
Entries 78
Mean −1164
Std Dev 1207
pull1D
Entries 78
Mean −0.003558
Std Dev 0.7398

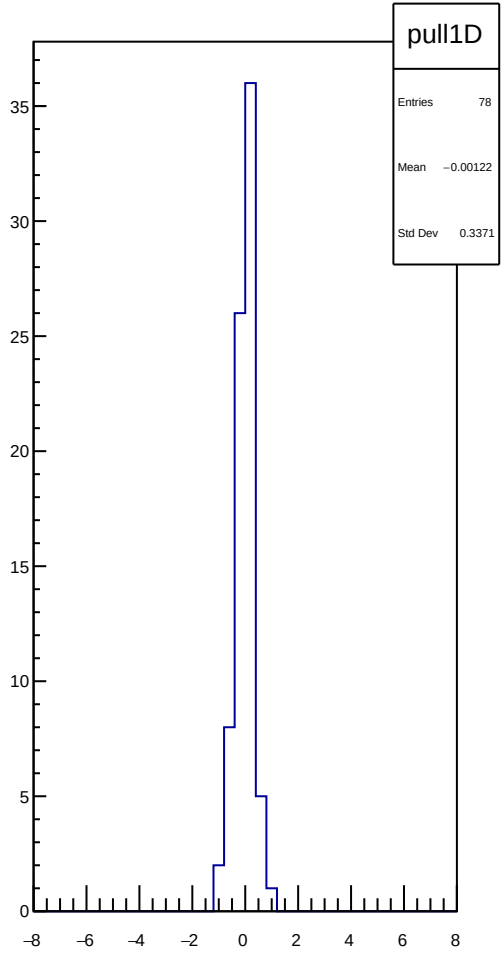

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 4.964 / 77
p0 −0.7459 ± 0.4356
pull
Entries 78
Mean −1.496e+04
Std Dev 1.5e+04

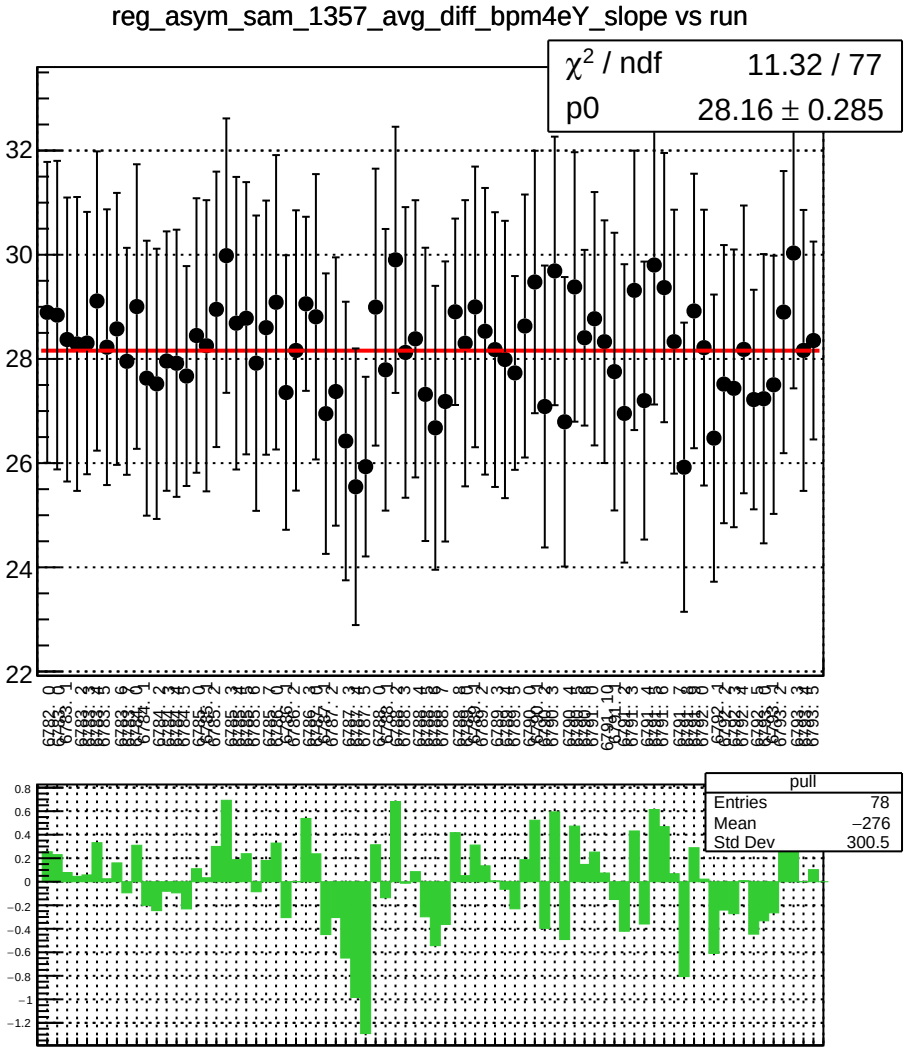

pull1D
Entries 78
Mean −0.0002256
Std Dev 0.2523

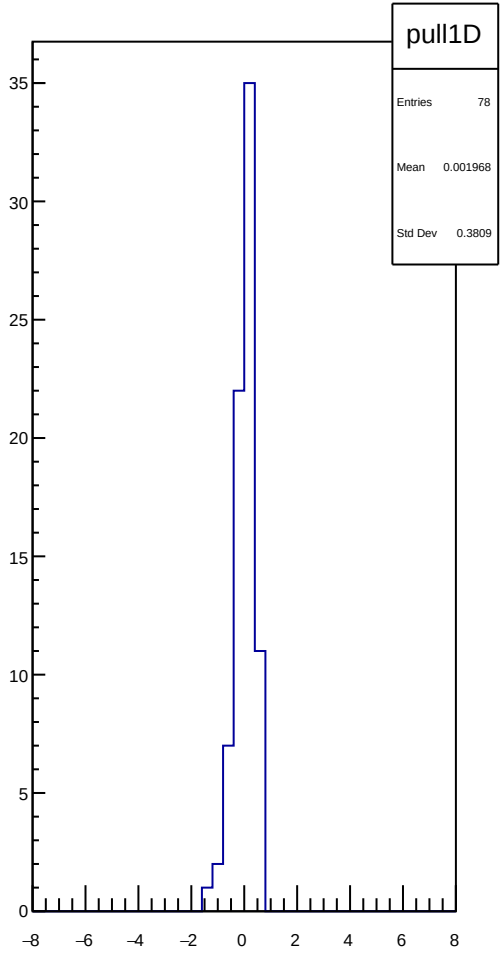

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.127 / 77
p0 −0.2407 ± 0.2072
pull
Entries 78
Mean −405.5
Std Dev 441.8

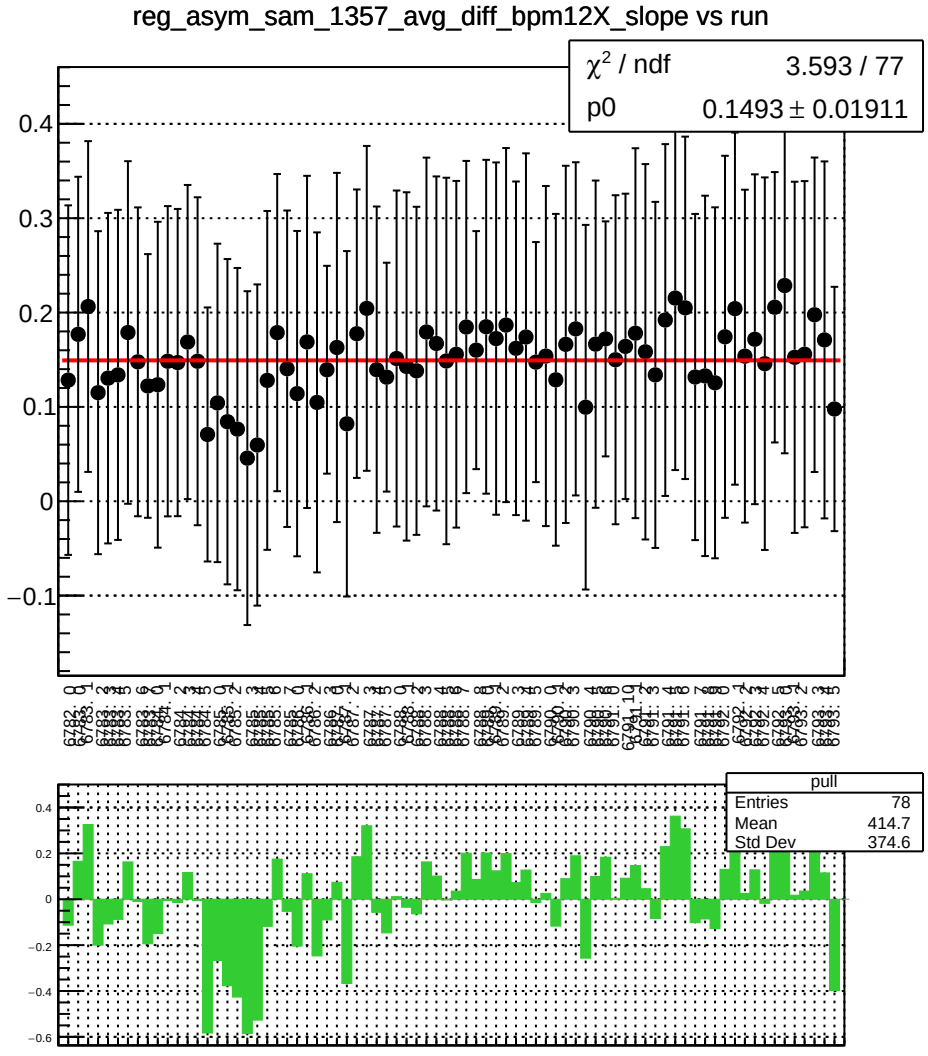

pull1D
Entries 78
Mean −0.01009
Std Dev 0.3419

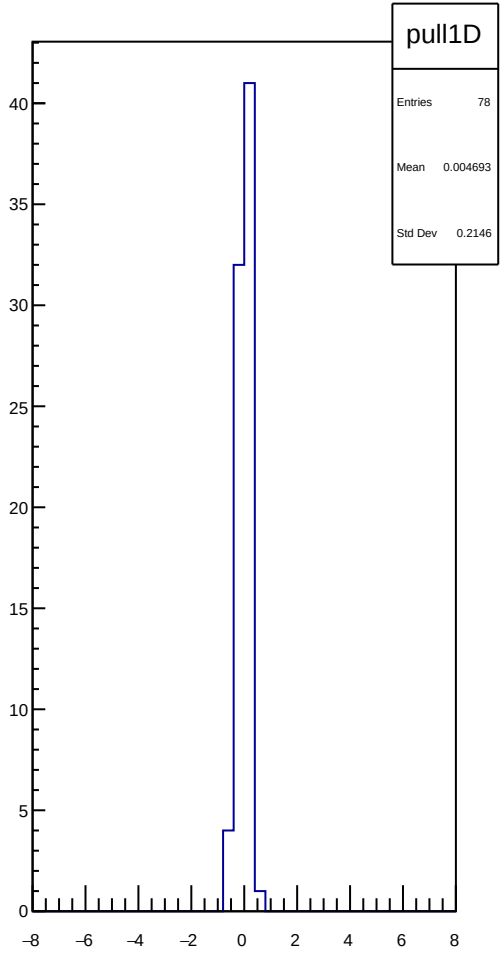

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.865 / 77
p0 −37.45 ± 0.4068
pull
Entries 78
Mean 2950
Std Dev 2907

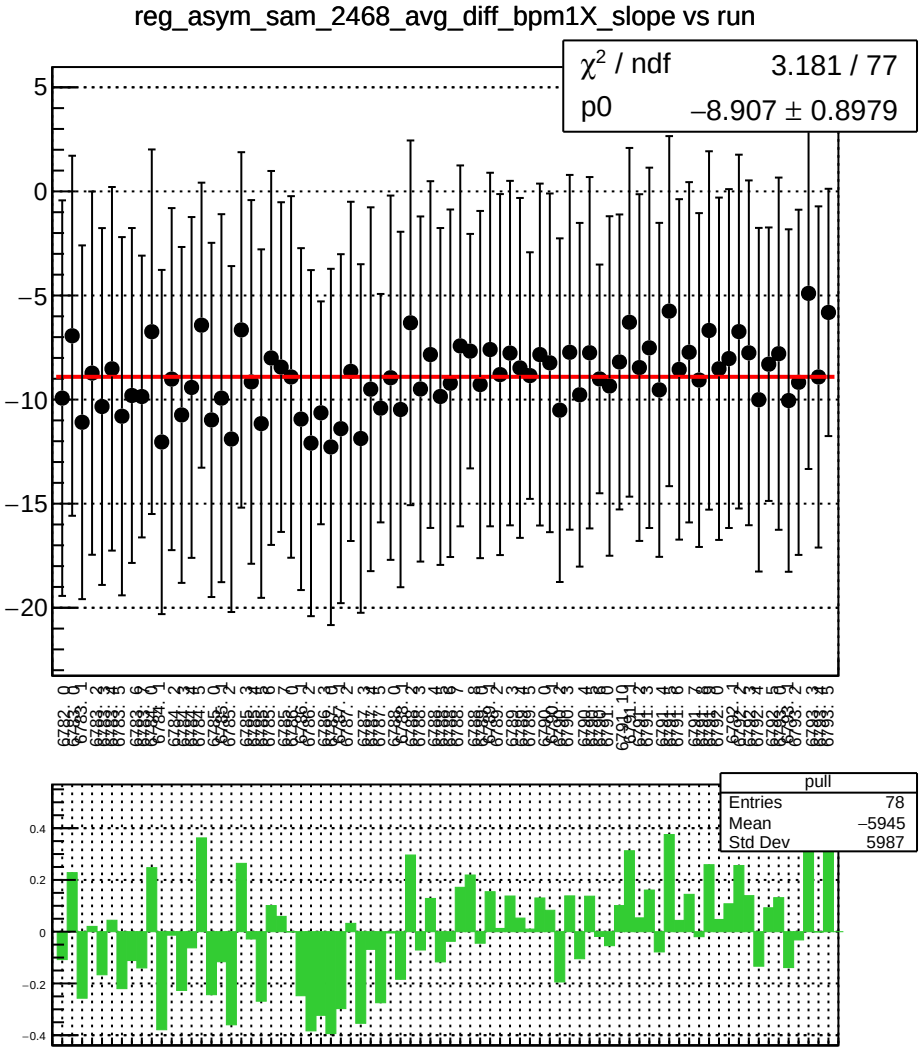

pull1D
Entries 78
Mean −0.00122
Std Dev 0.3371

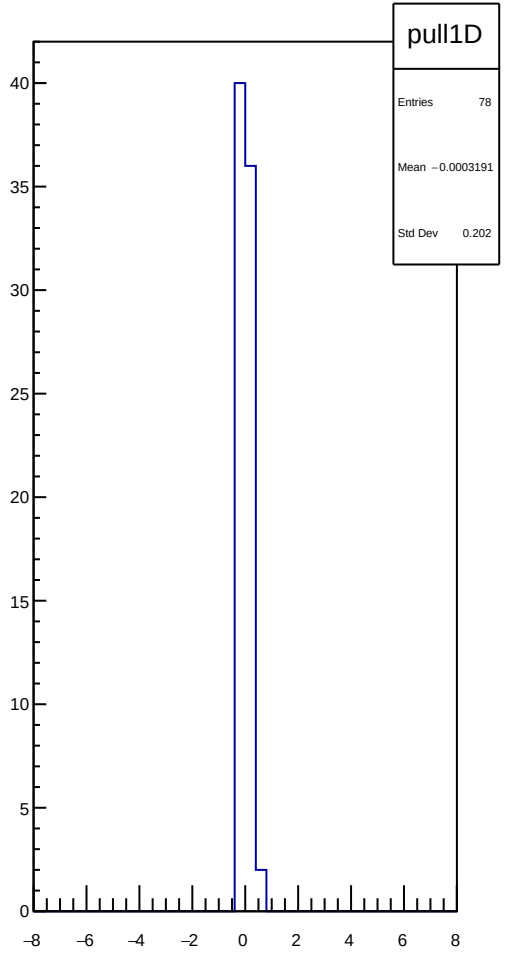

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.32 / 77
p0 28.16 ± 0.285
pull
Entries 78
Mean −276
Std Dev 300.5

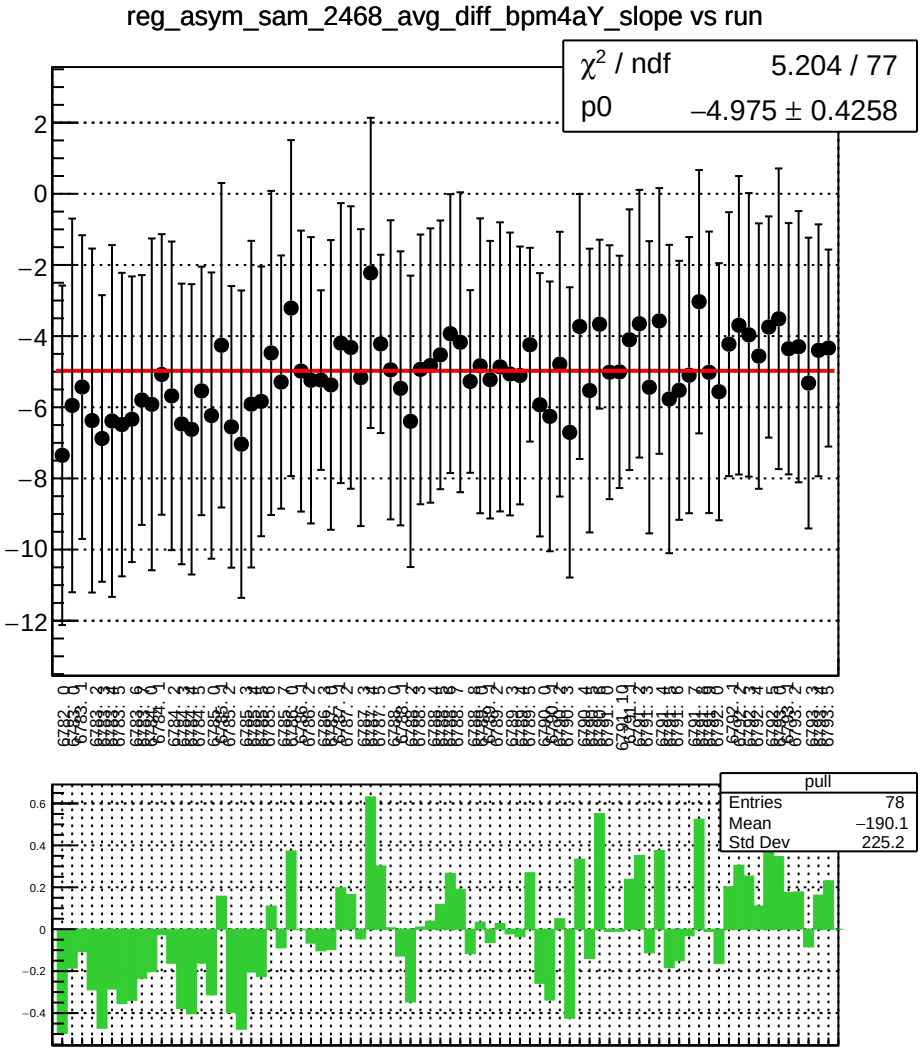

pull1D
Entries 78
Mean 0.001968
Std Dev 0.3809

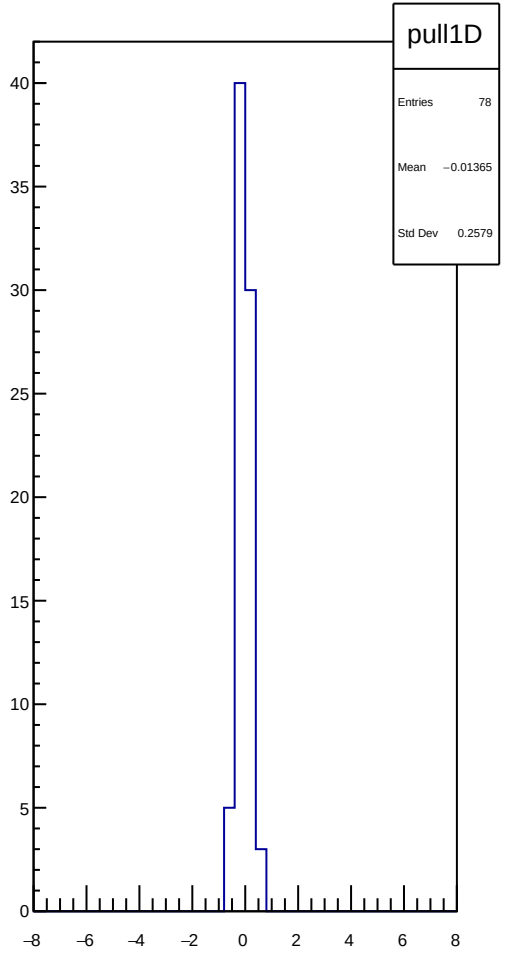

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.593 / 77
p0 0.1493 ± 0.01911
pull
Entries 78
Mean 414.7
Std Dev 374.6

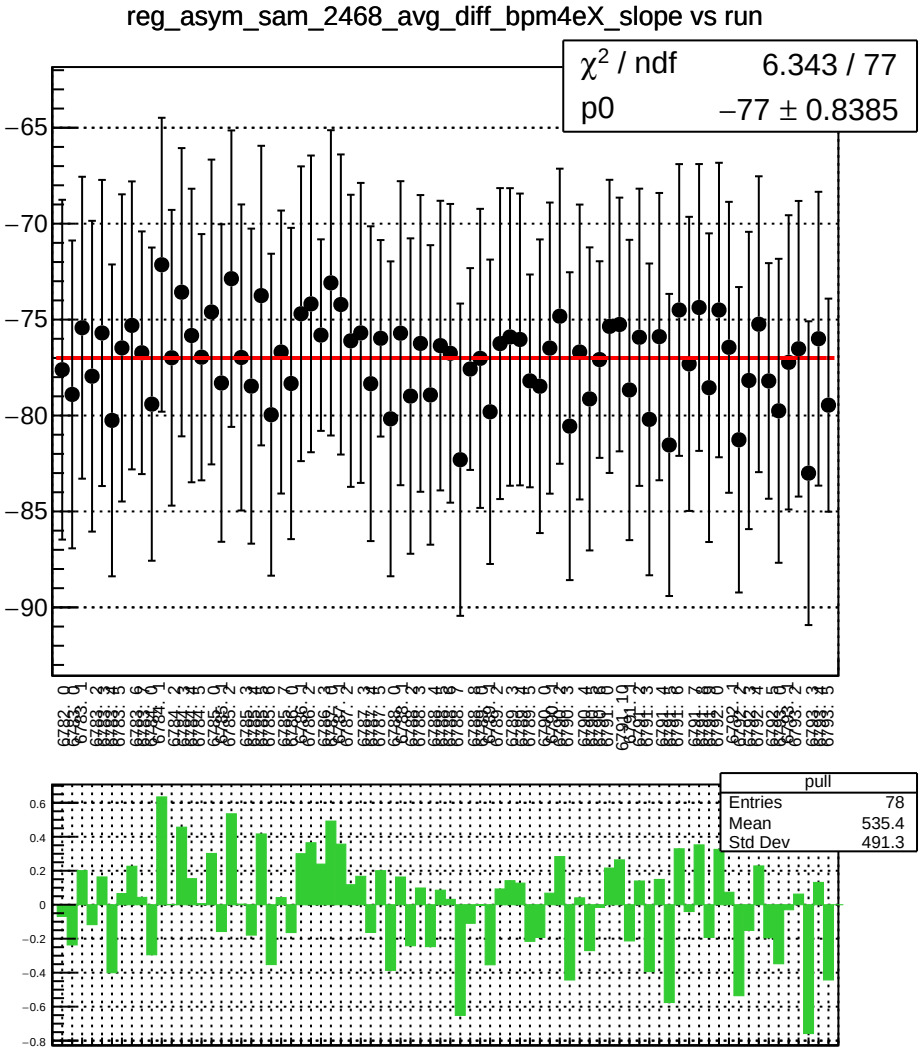

pull1D
Entries 78
Mean 0.004693
Std Dev 0.2146

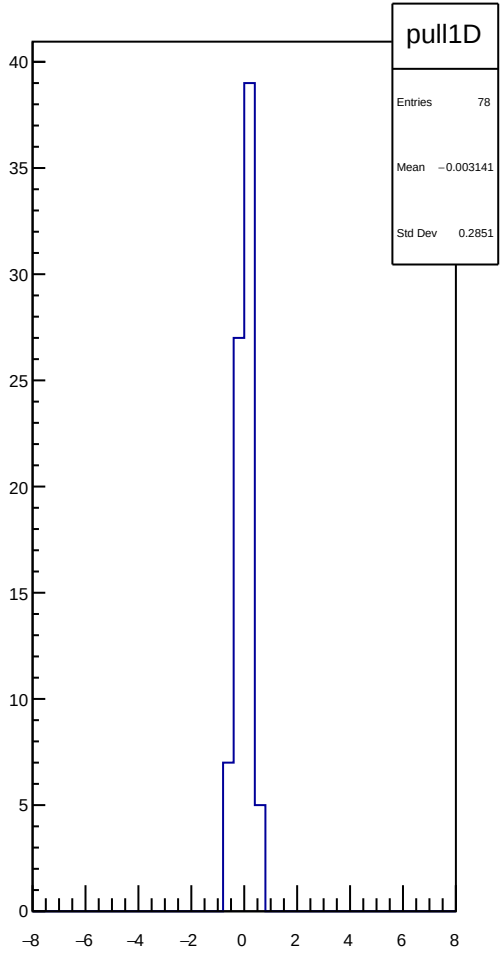

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 3.181 / 77
p0 −8.907 ± 0.8979
pull
Entries 78
Mean −5945
Std Dev 5987

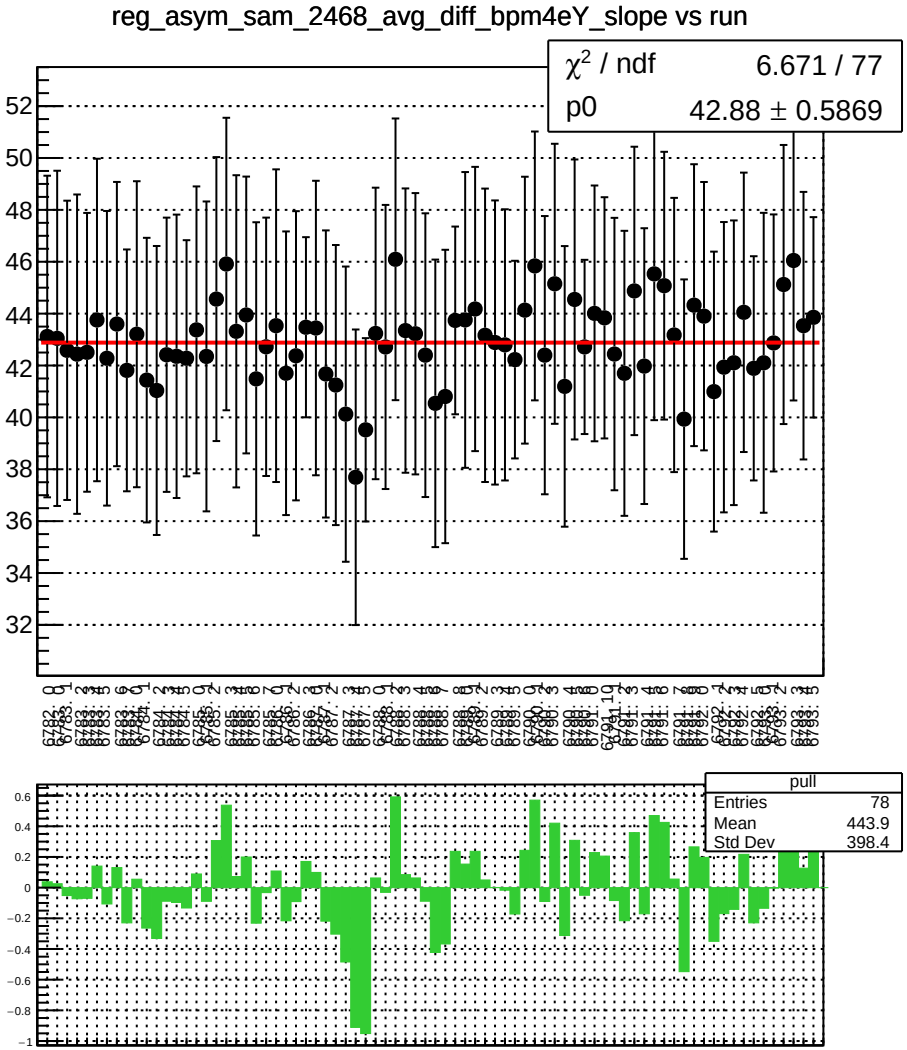

pull1D
Entries 78
Mean −0.0003191
Std Dev 0.202

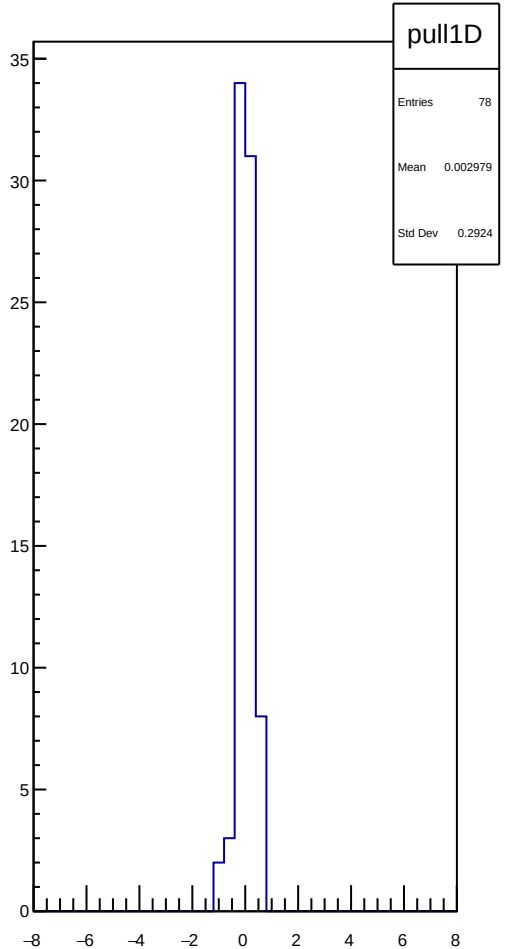

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.204 / 77
p0 −4.975 ± 0.4258
pull
Entries 78
Mean −190.1
Std Dev 225.2

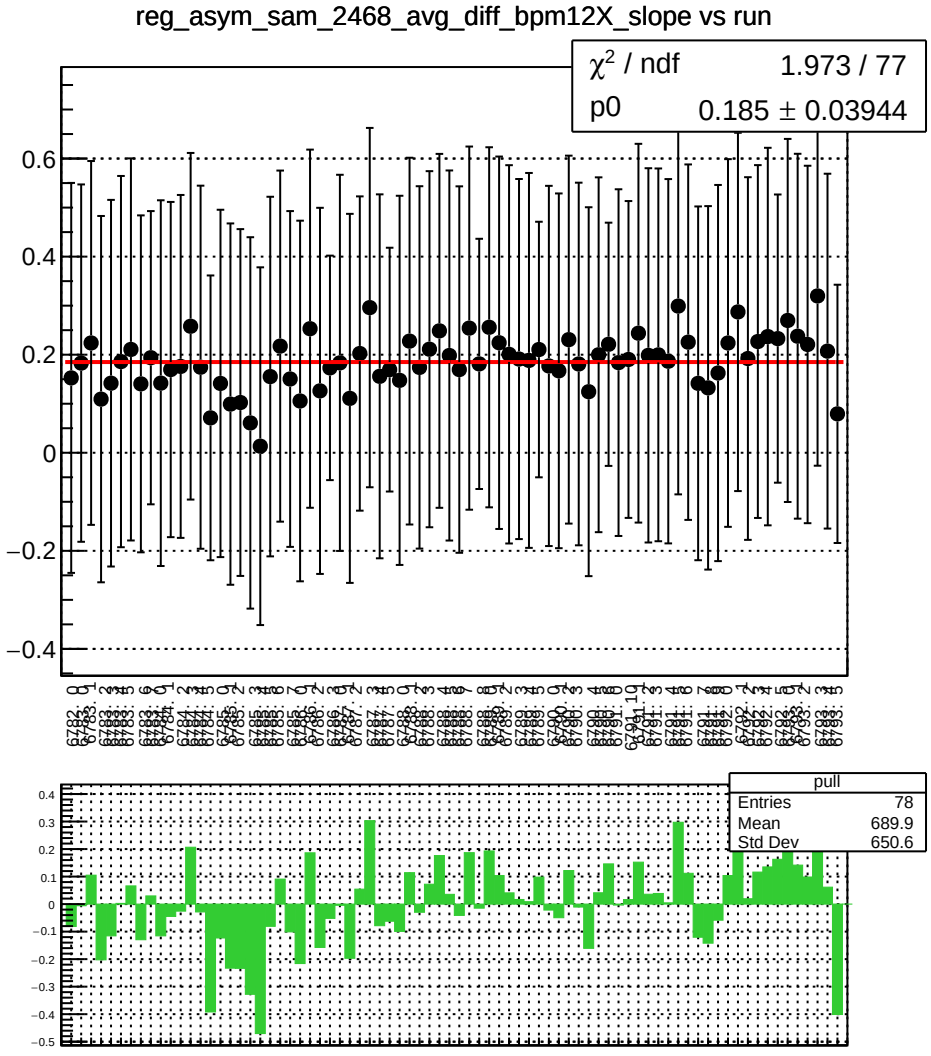

pull1D
Entries 78
Mean −0.01365
Std Dev 0.2579

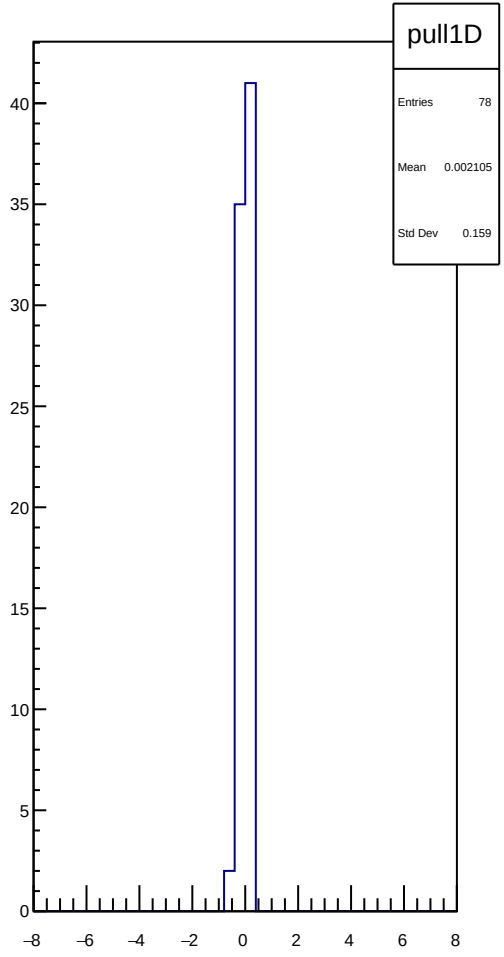

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.343 / 77
p0 −77 ± 0.8385
pull
Entries 78
Mean 535.4
Std Dev 491.3

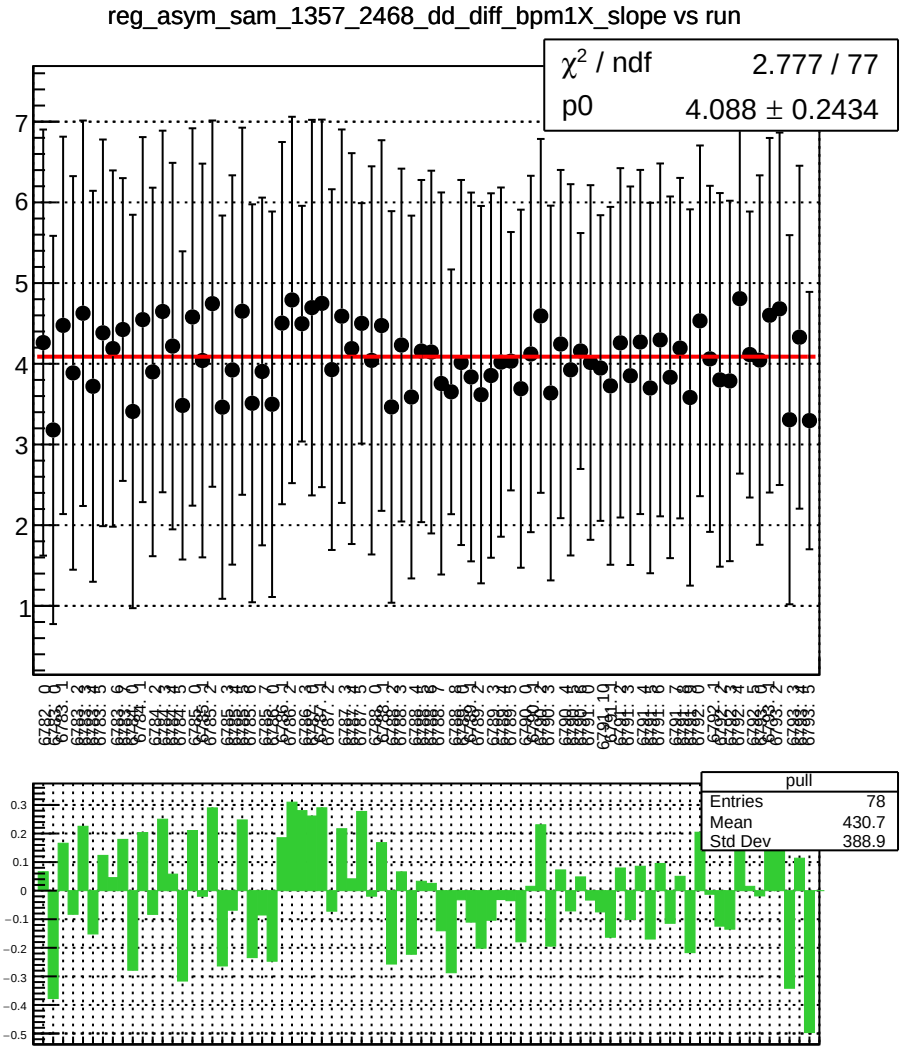

pull1D
Entries 78
Mean −0.003141
Std Dev 0.2851

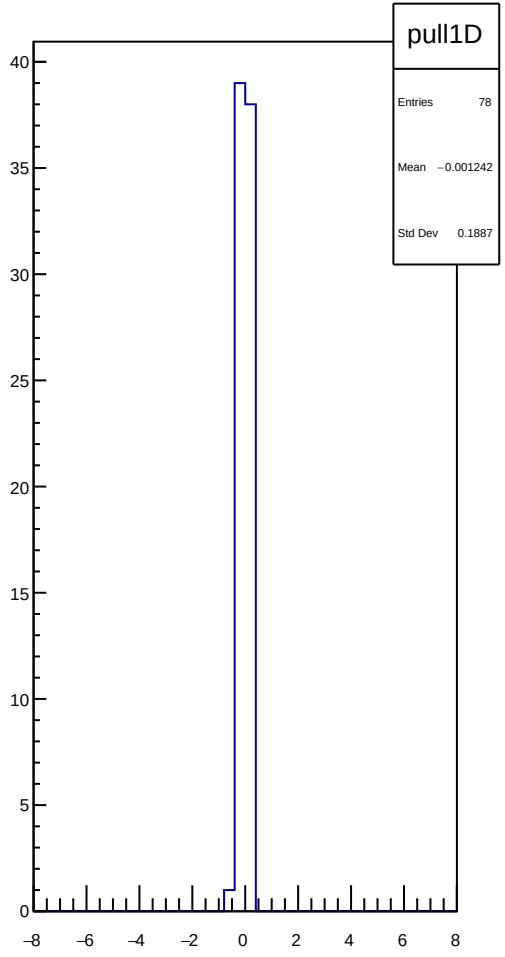

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.671 / 77
p0 42.88 ± 0.5869
pull
Entries 78
Mean 443.9
Std Dev 398.4

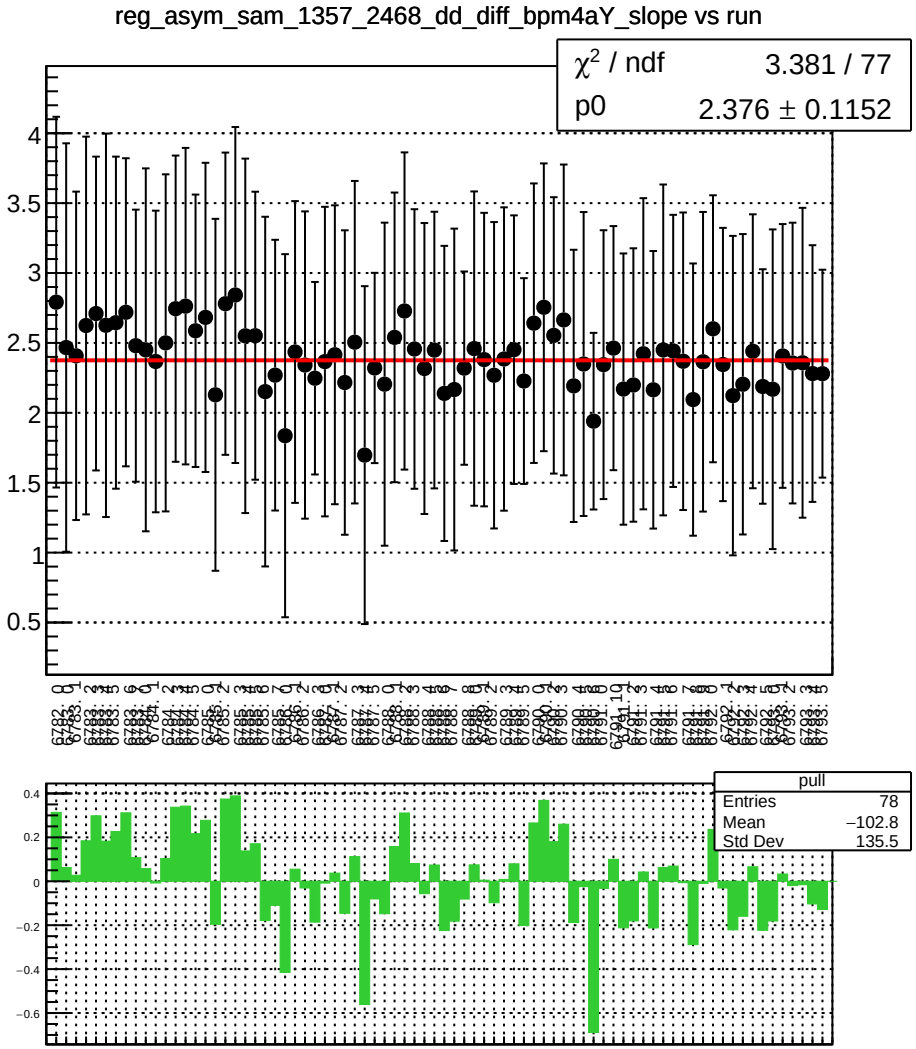

pull1D
Entries 78
Mean 0.002979
Std Dev 0.2924

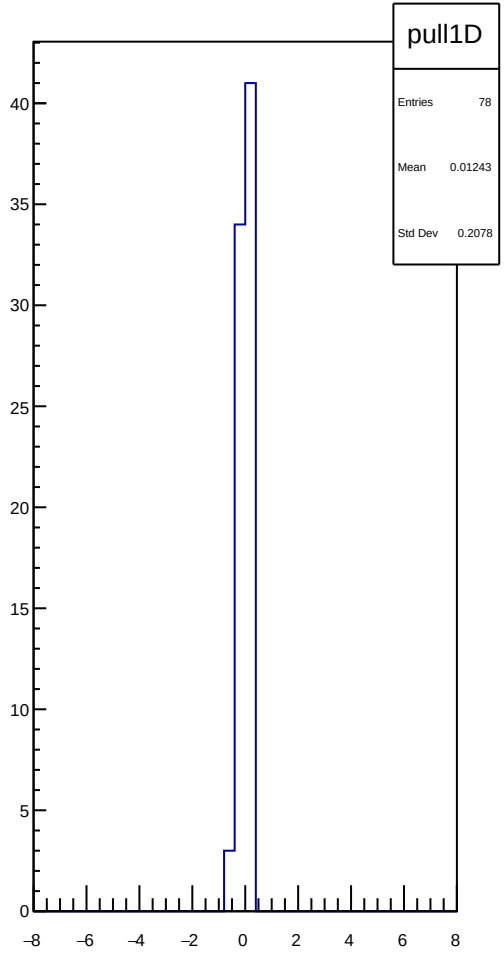

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.973 / 77
p0 0.185 ± 0.03944
pull
Entries 78
Mean 689.9
Std Dev 650.6


pull1D
Entries 78
Mean 0.002105
Std Dev 0.159

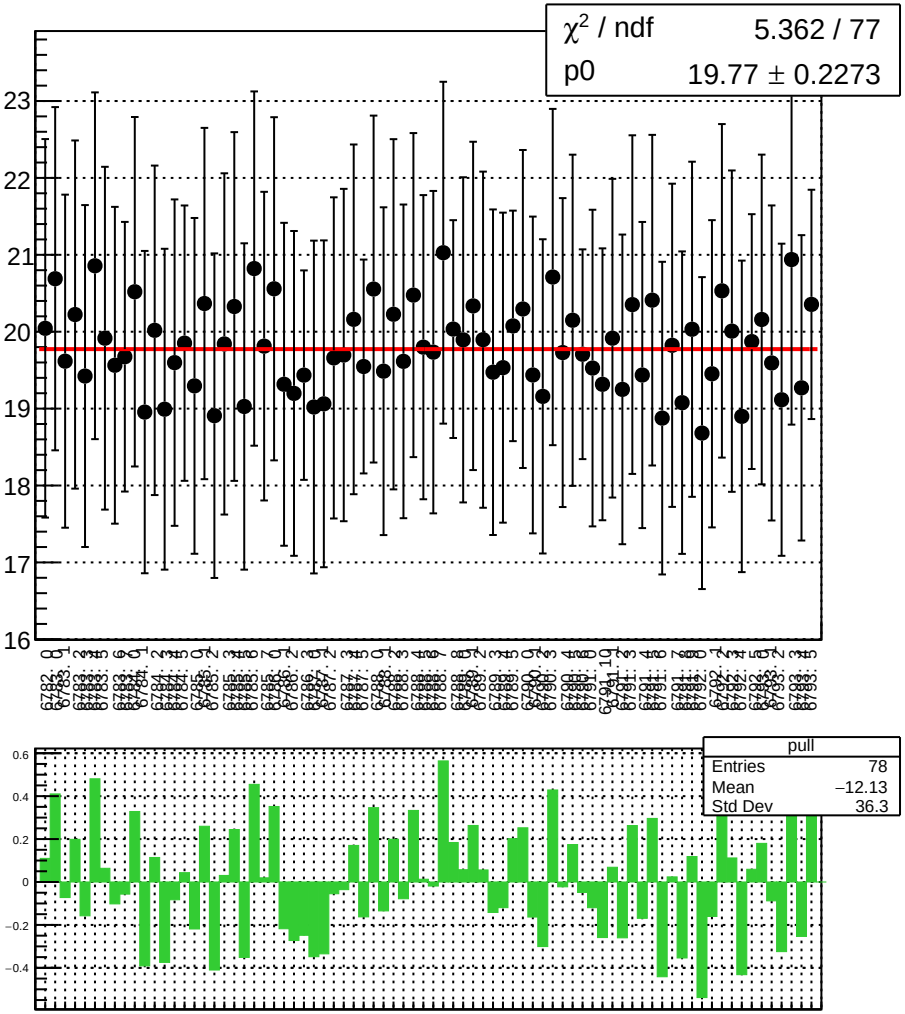

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 2.777 / 77
p0 4.088 ± 0.2434
pull
Entries 78
Mean 430.7
Std Dev 388.9

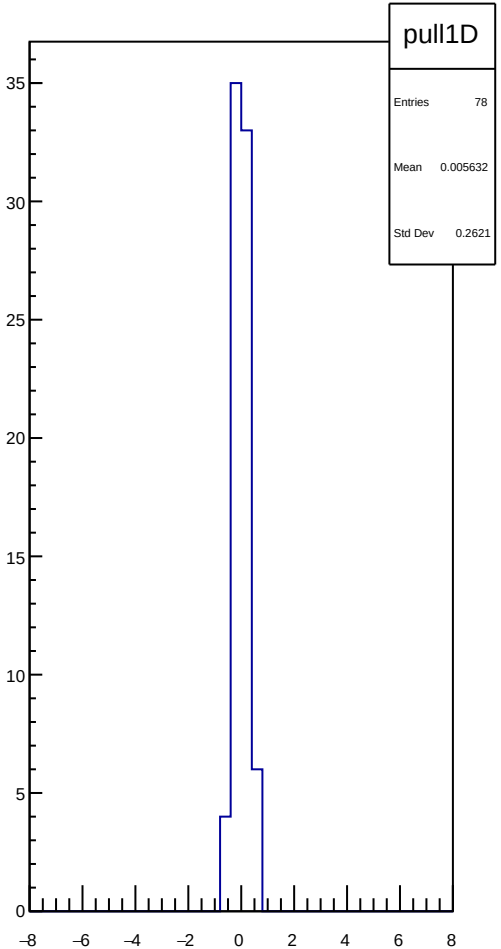

pull1D
Entries 78
Mean −0.001242
Std Dev 0.1887


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.381 / 77
p0 2.376 ± 0.1152
pull
Entries 78
Mean −102.8
Std Dev 135.5

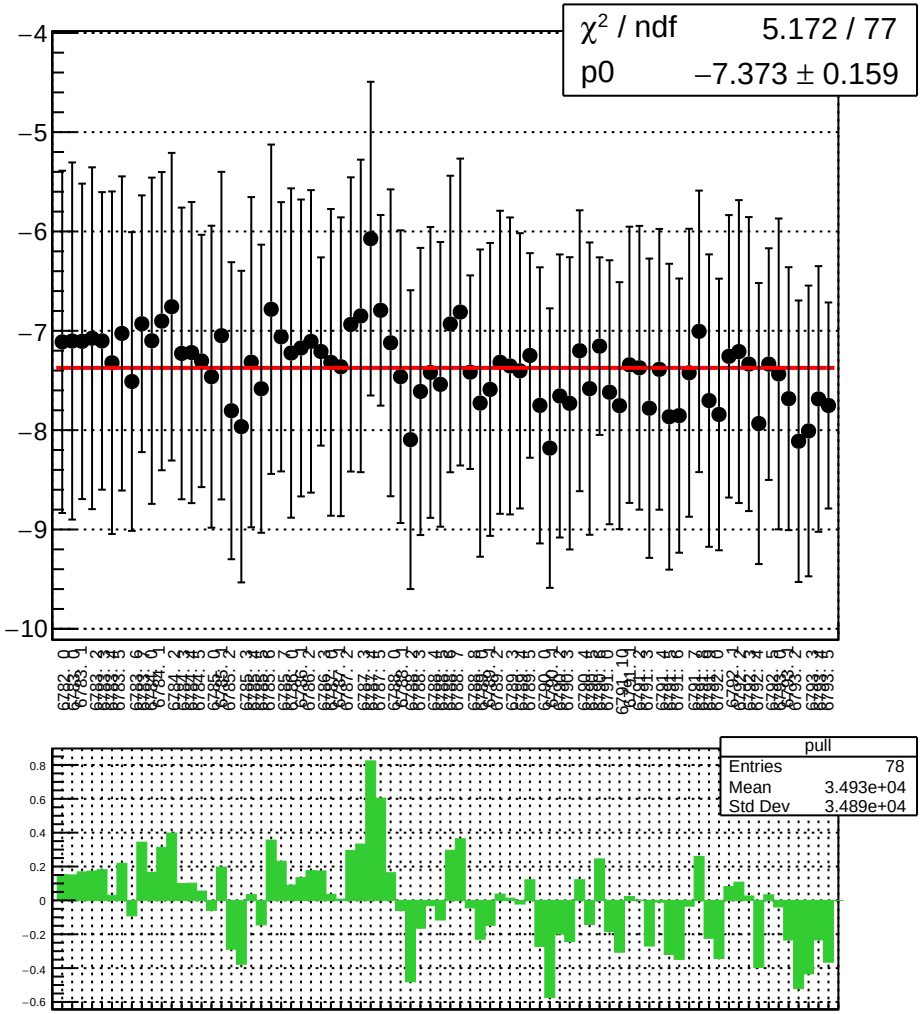

pull1D
Entries 78
Mean 0.01243
Std Dev 0.2078

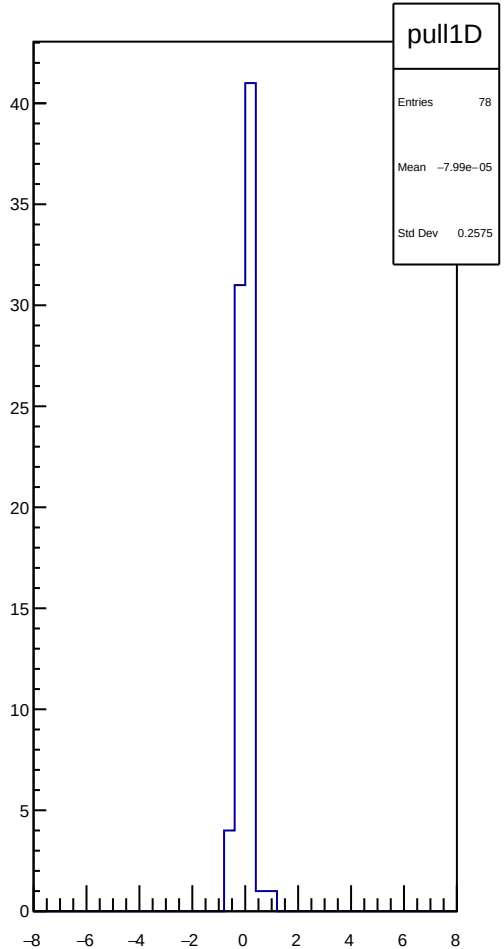
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

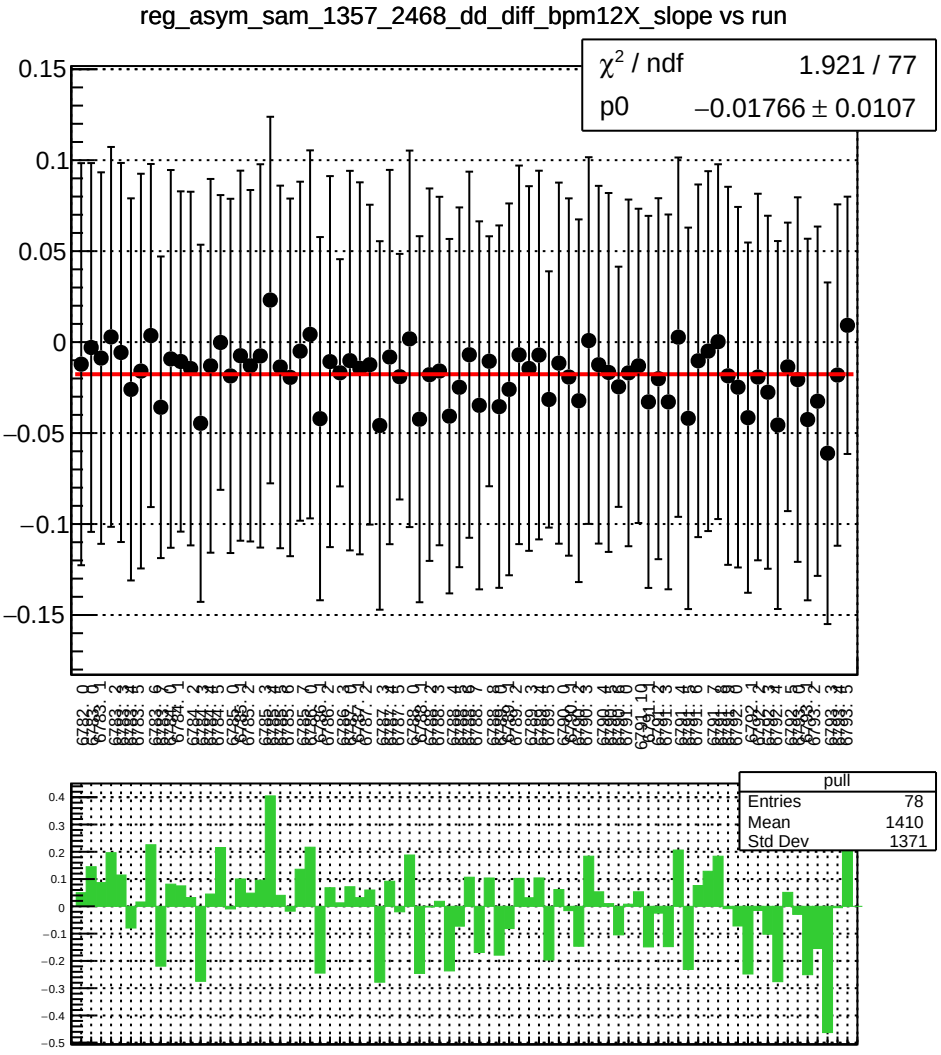


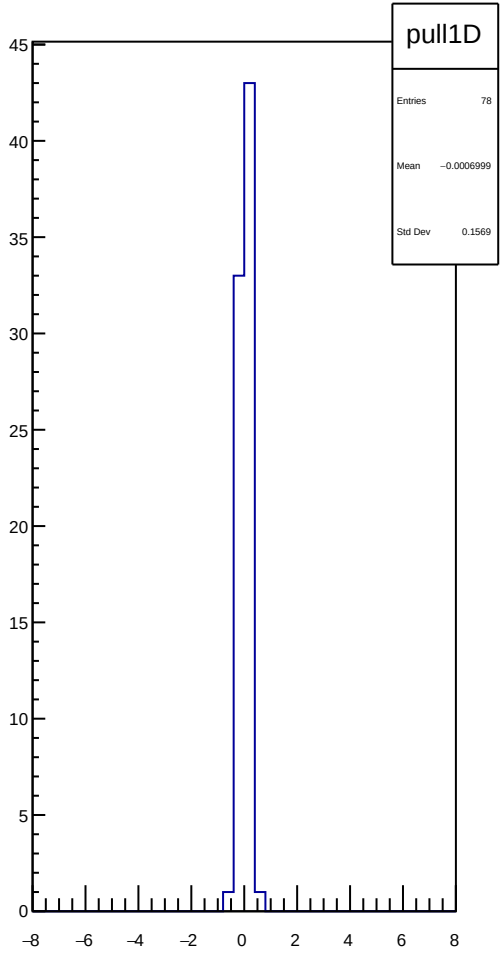


reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

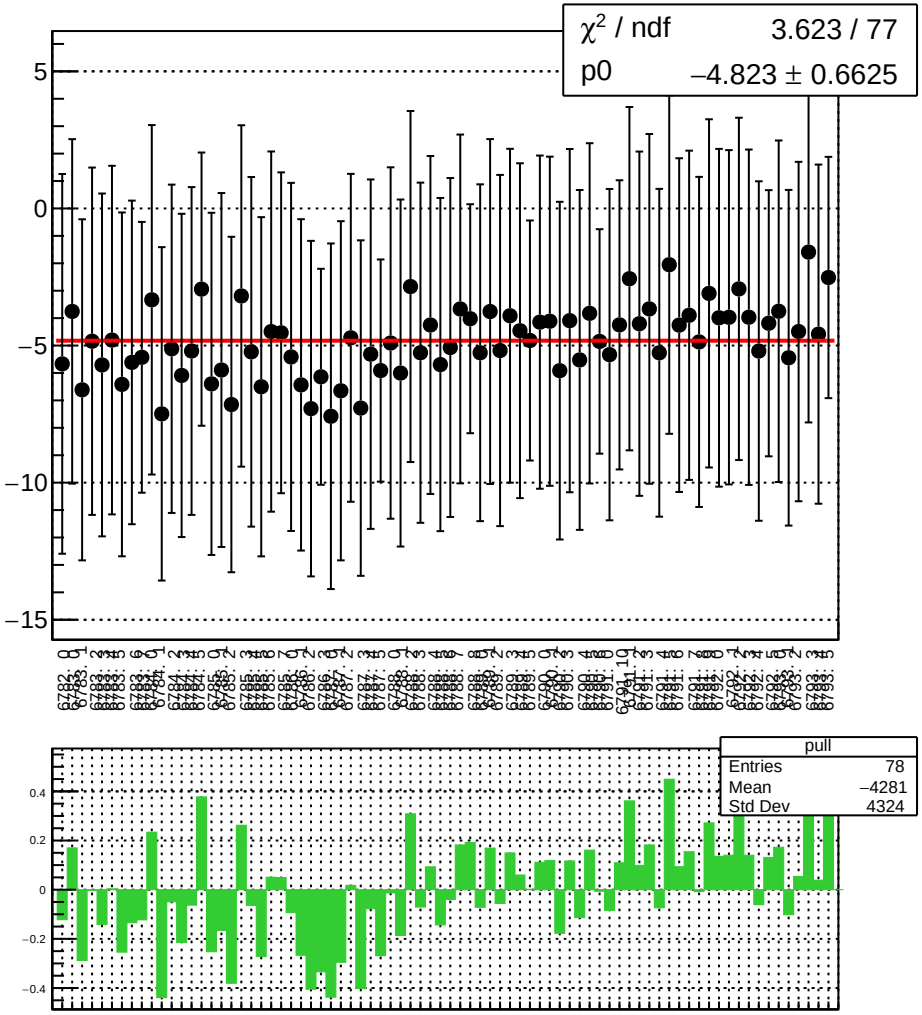


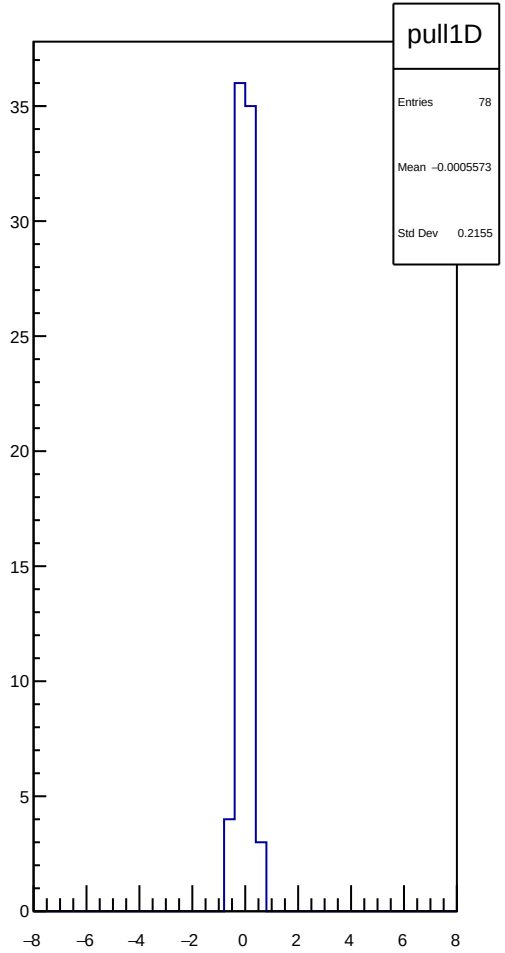



reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.921 / 77
p0 −0.01766 ± 0.0107
pull
Entries 78
Mean 1410
Std Dev 1371

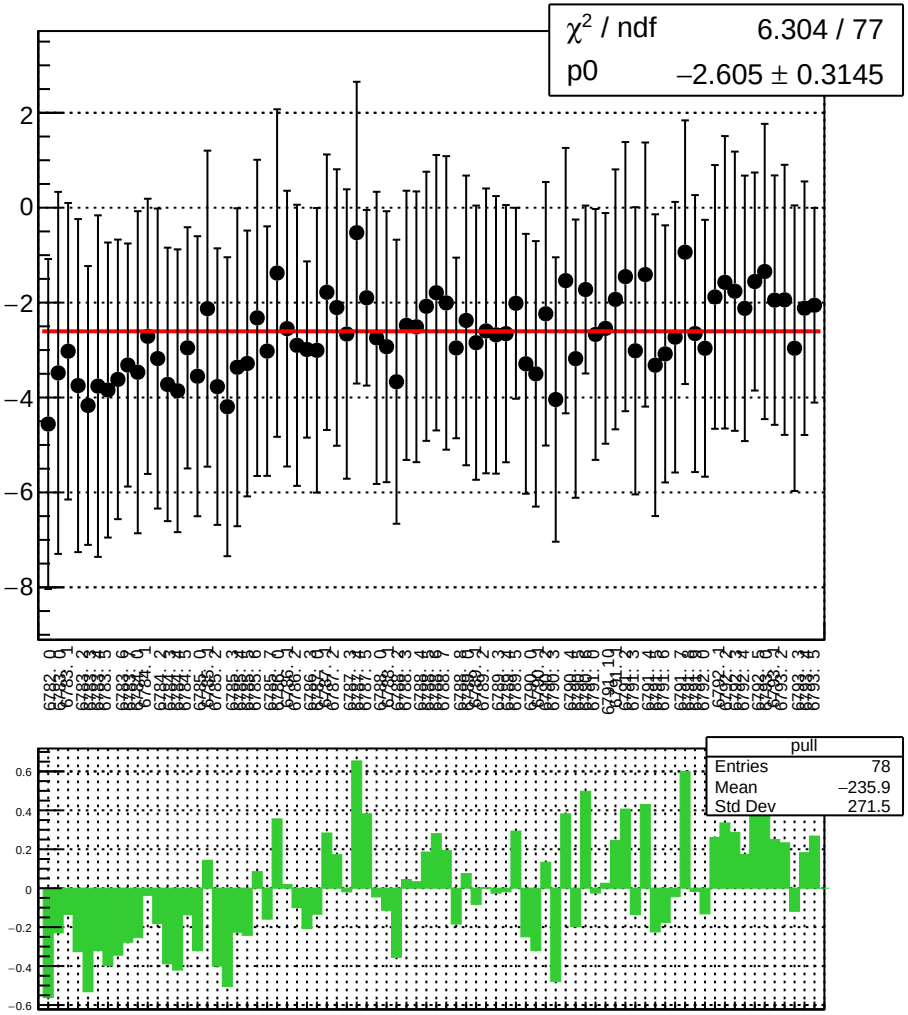

pull1D
Entries 78
Mean −0.0006999
Std Dev 0.1569

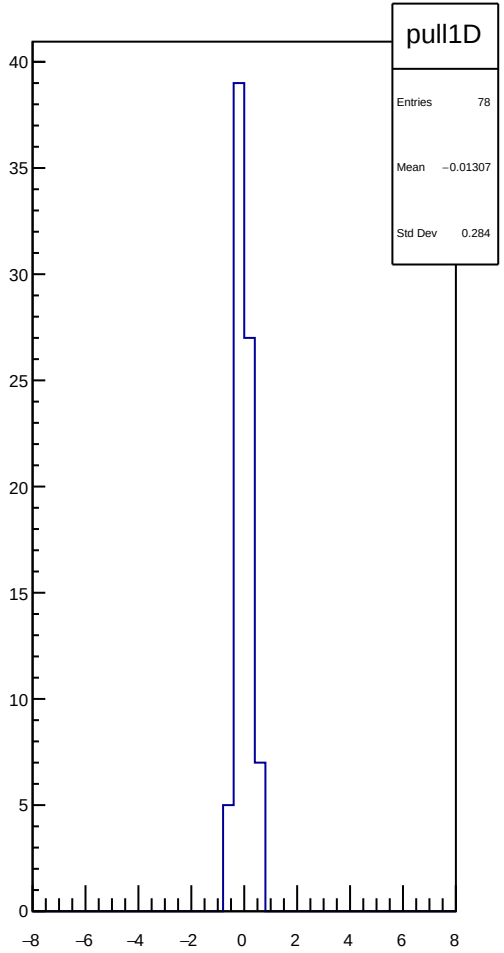
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run



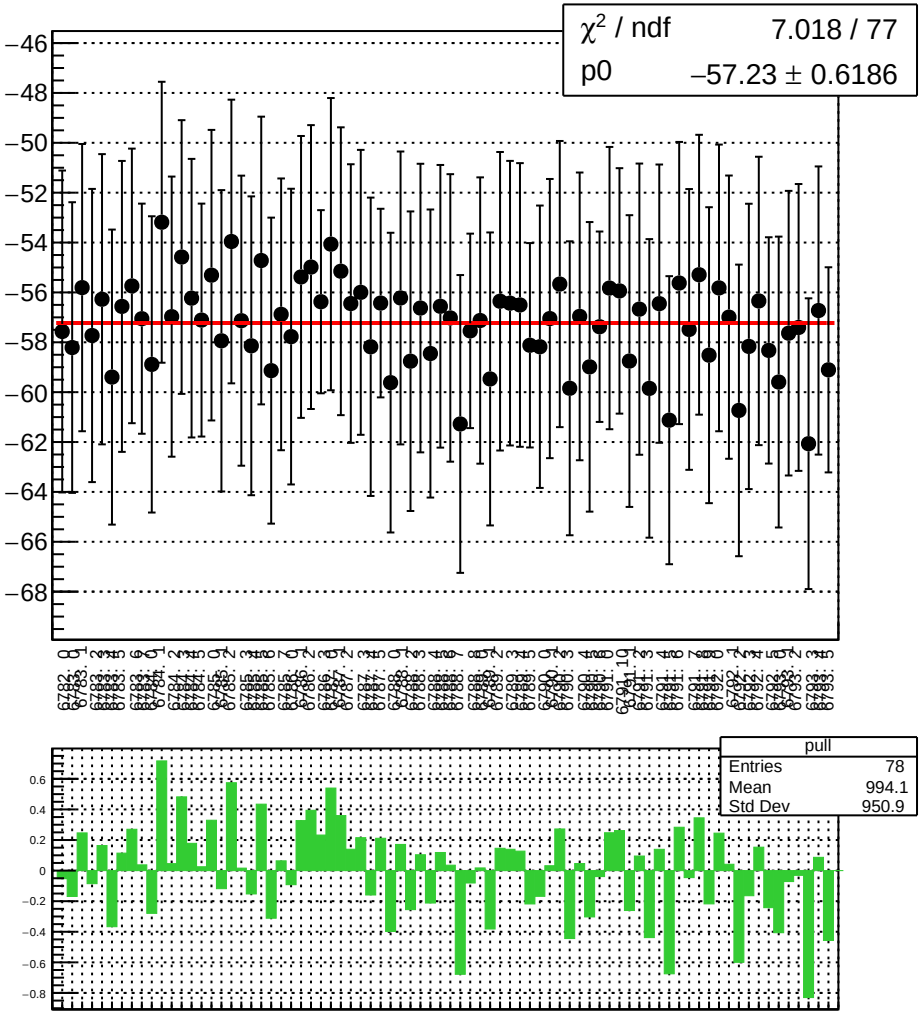


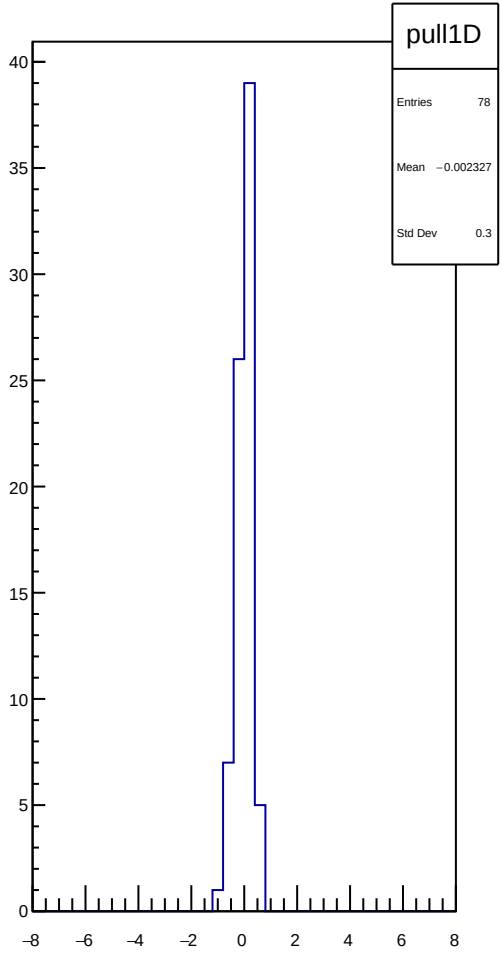
reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

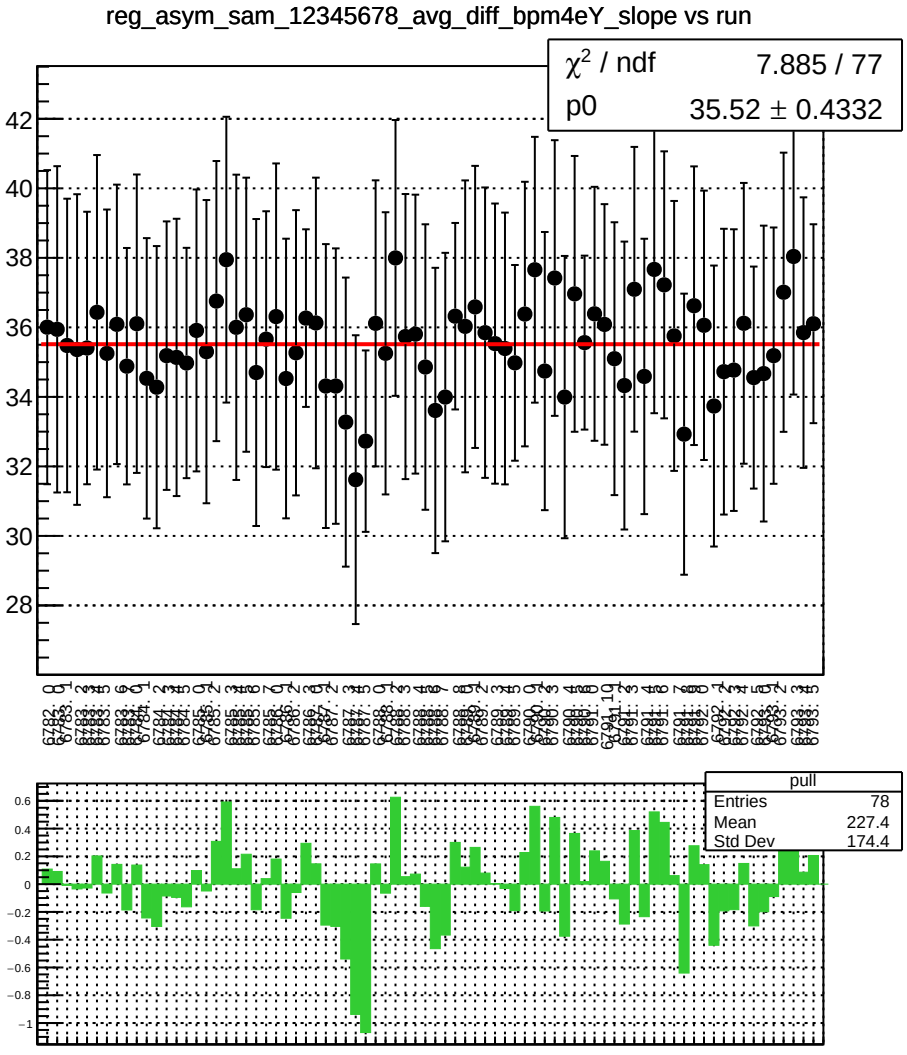


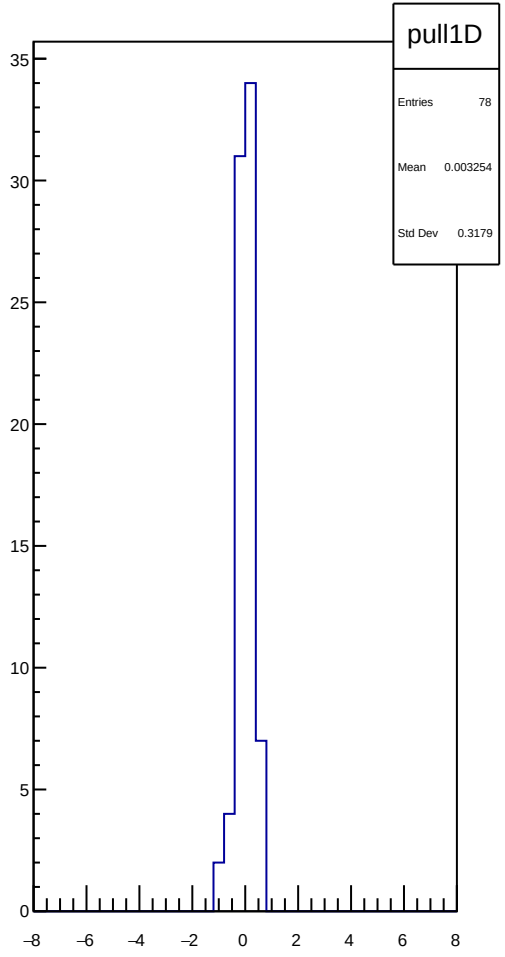


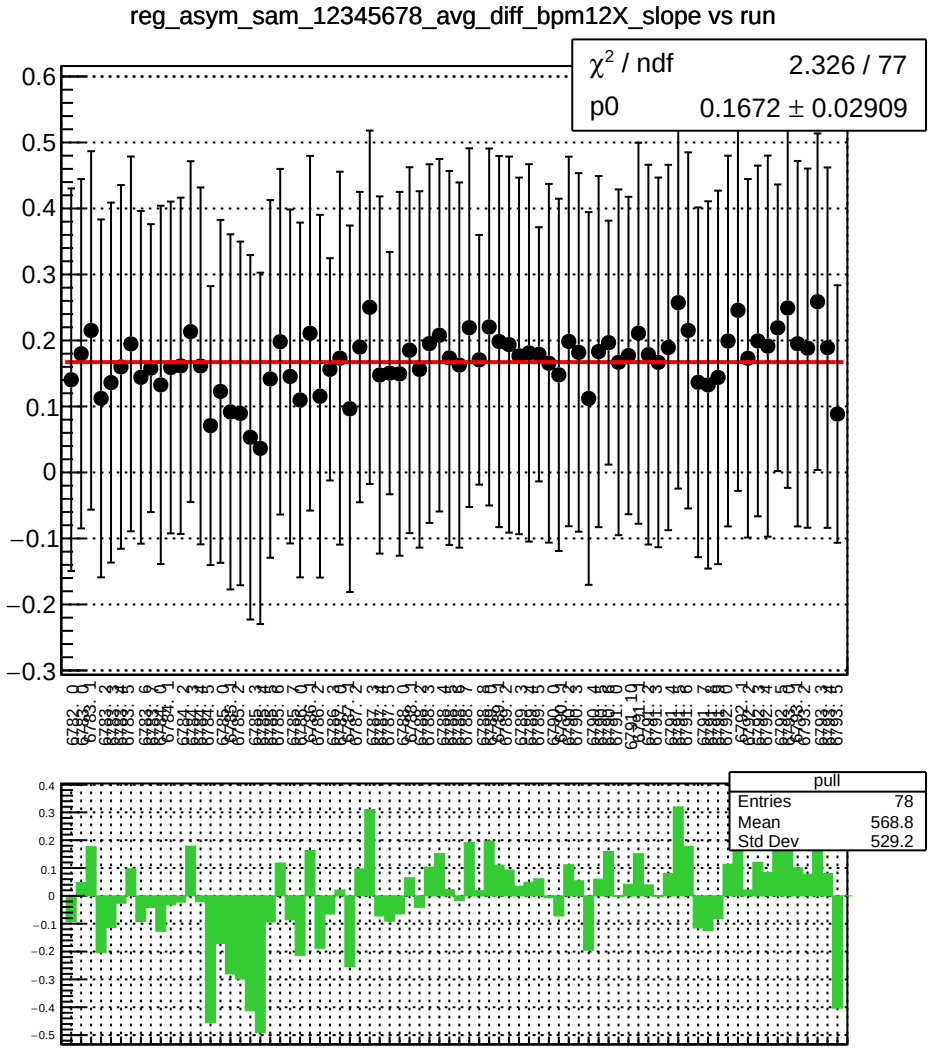
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

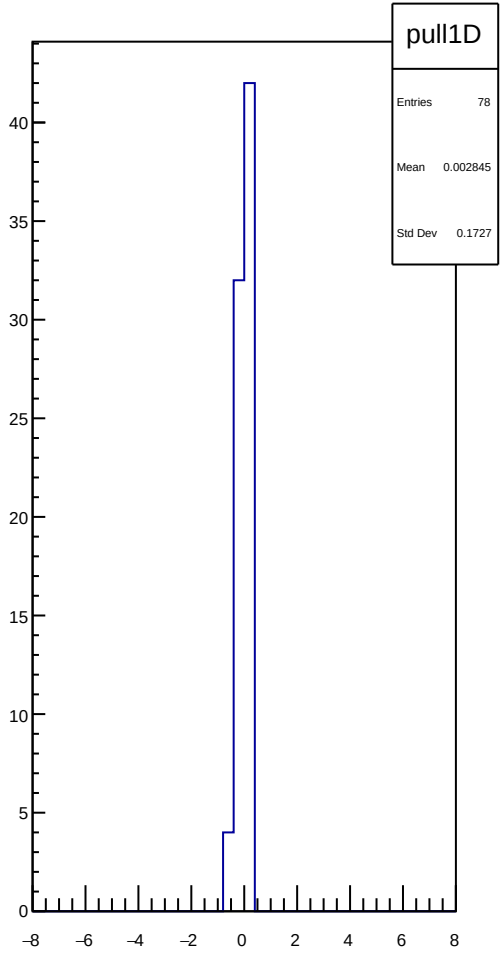


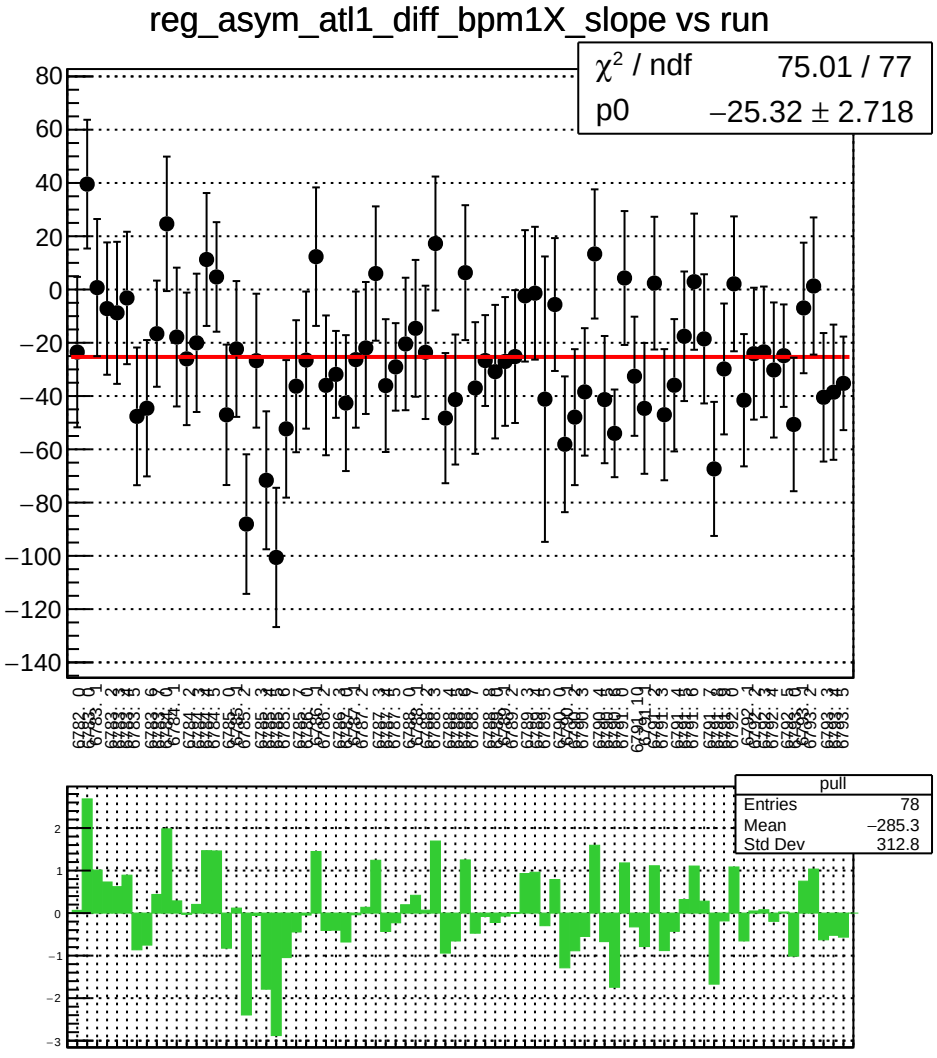


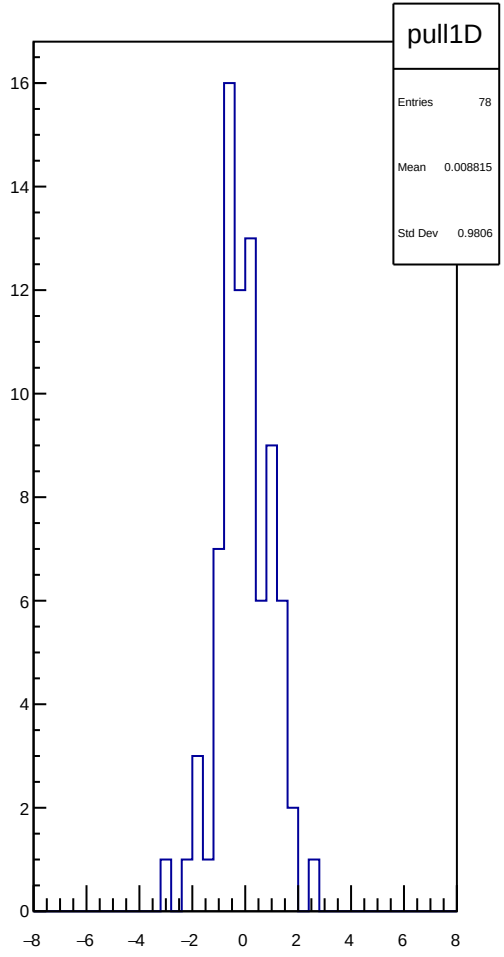

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 7.885 / 77
p0 35.52 ± 0.4332
pull
Entries 78
Mean 227.4
Std Dev 174.4

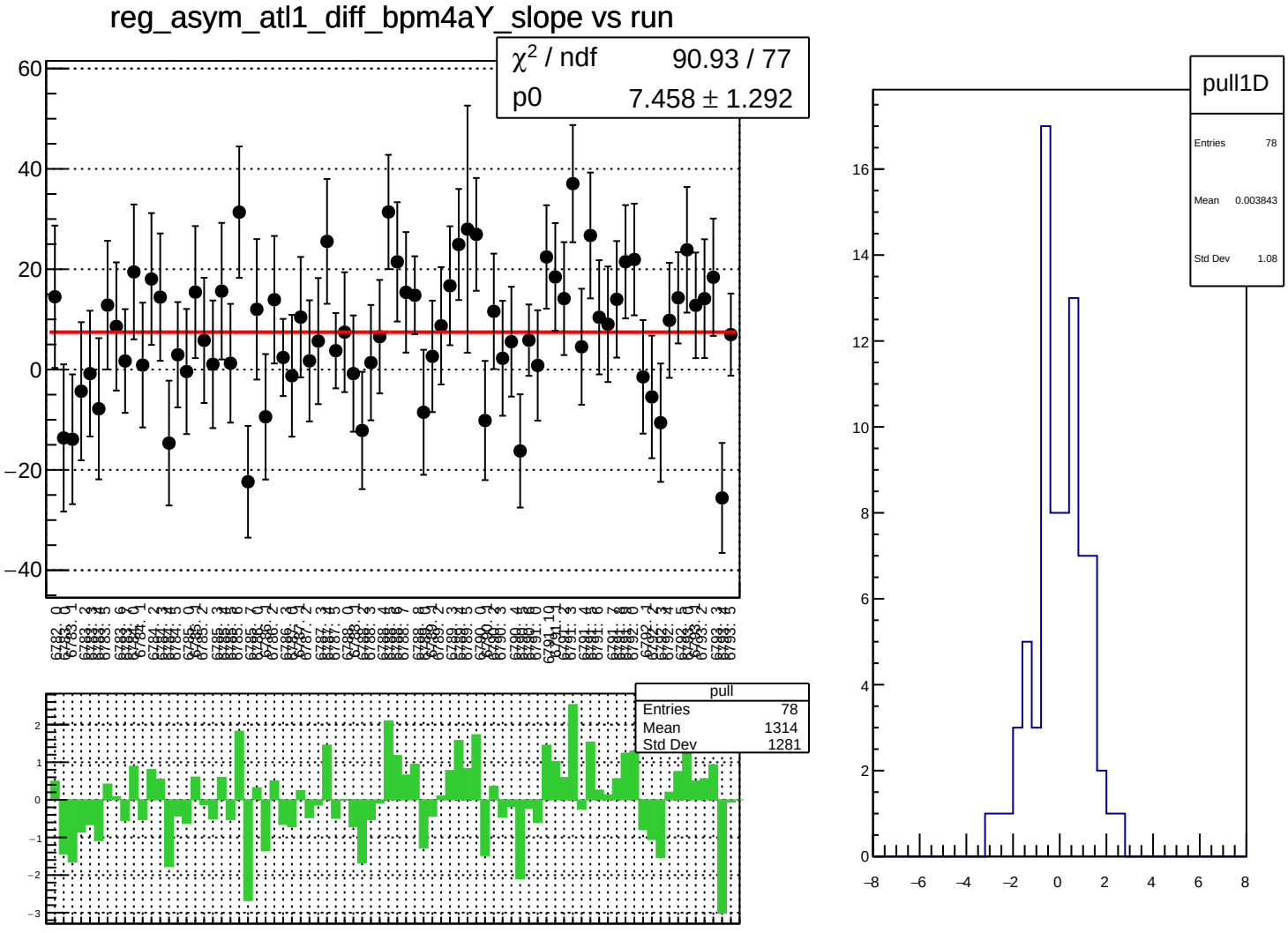

pull1D
Entries 78
Mean 0.003254
Std Dev 0.3179

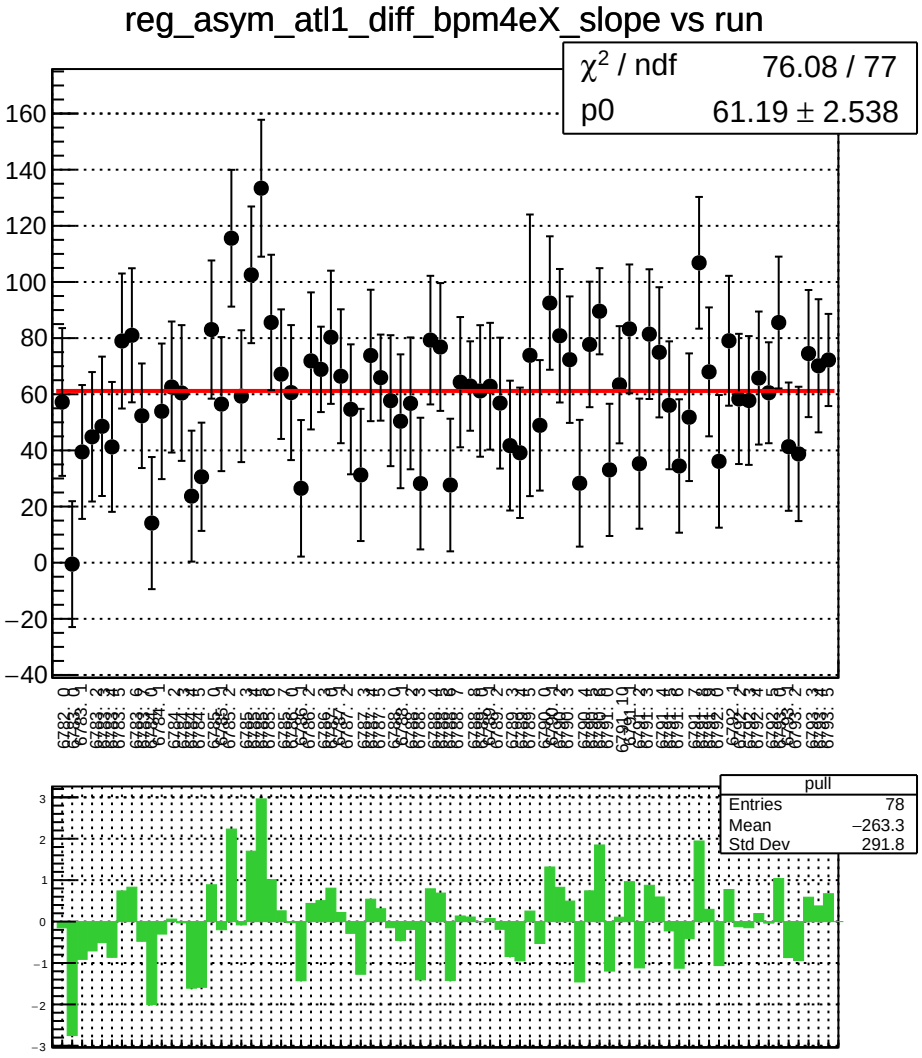

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.326 / 77
p0 0.1672 ± 0.02909
pull
Entries 78
Mean 568.8
Std Dev 529.2

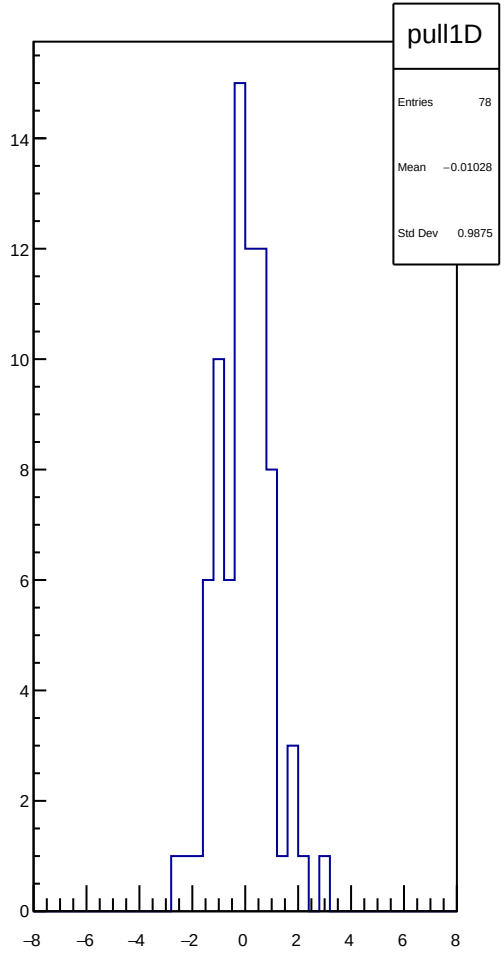

pull1D
Entries 78
Mean 0.002845
Std Dev 0.1727

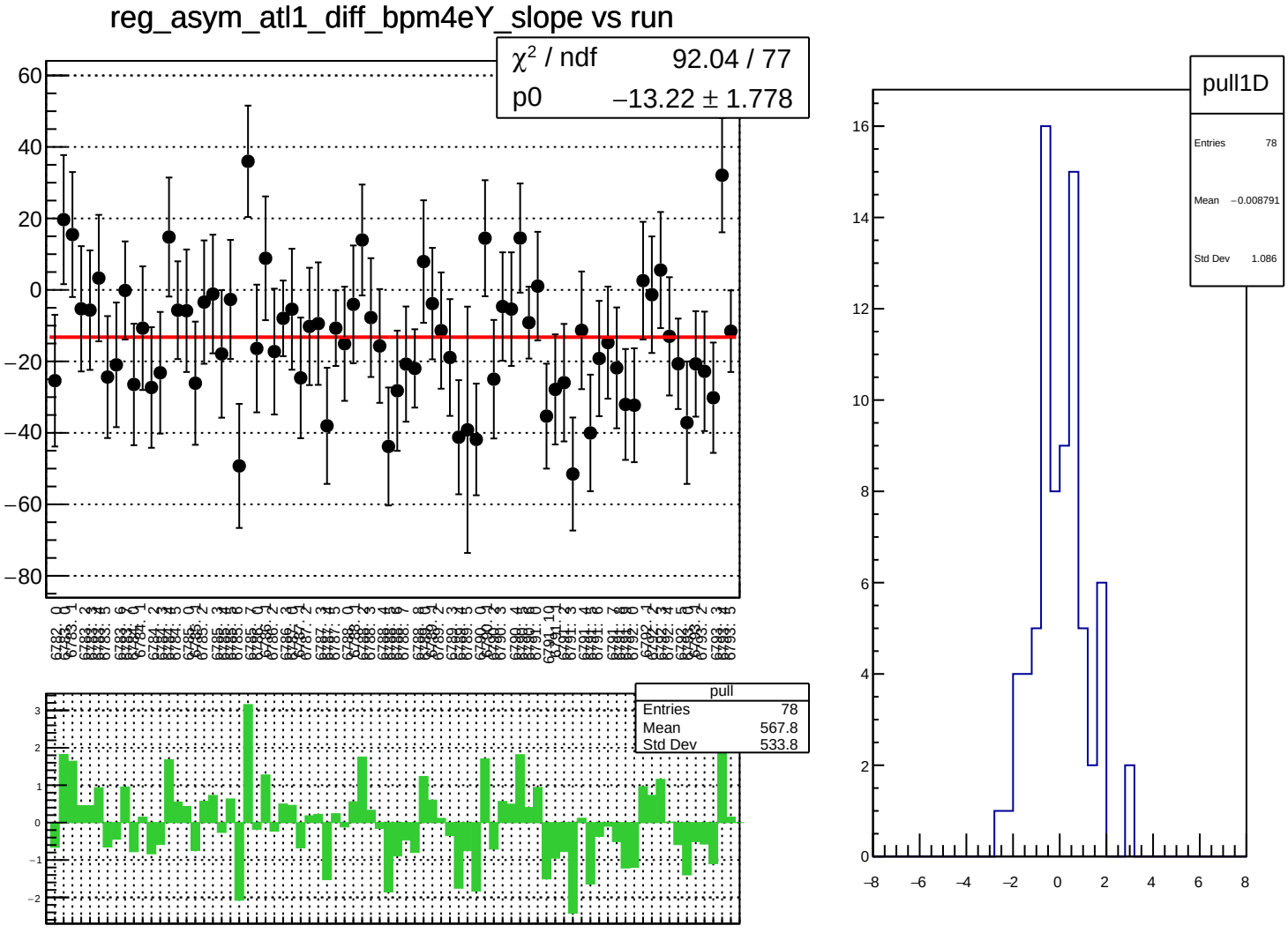

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 75.01 / 77
p0 −25.32 ± 2.718
pull
Entries 78
Mean −285.3
Std Dev 312.8

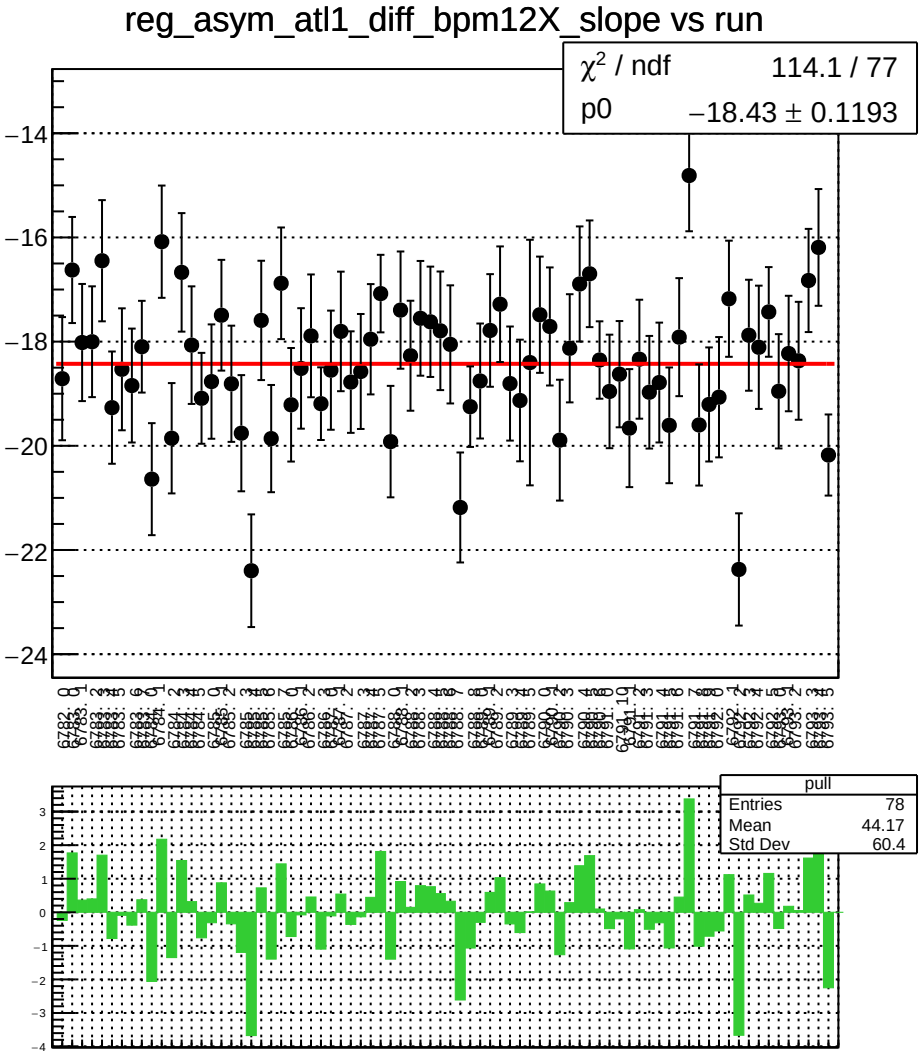

pull1D
Entries 78
Mean 0.008815
Std Dev 0.9806

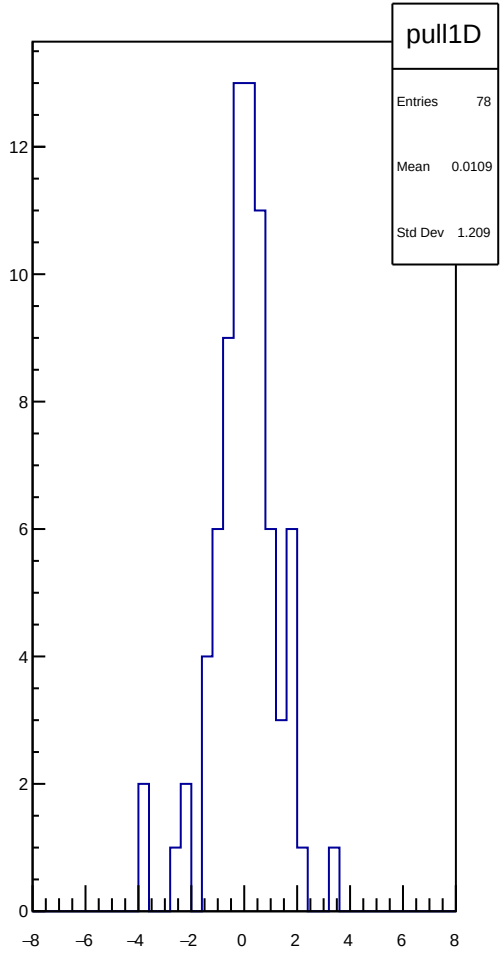

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 90.93 / 77
p0 7.458 ± 1.292
pull
Entries 78
Mean 1314
Std Dev 1281
pull1D
Entries 78
Mean 0.003843
Std Dev 1.08

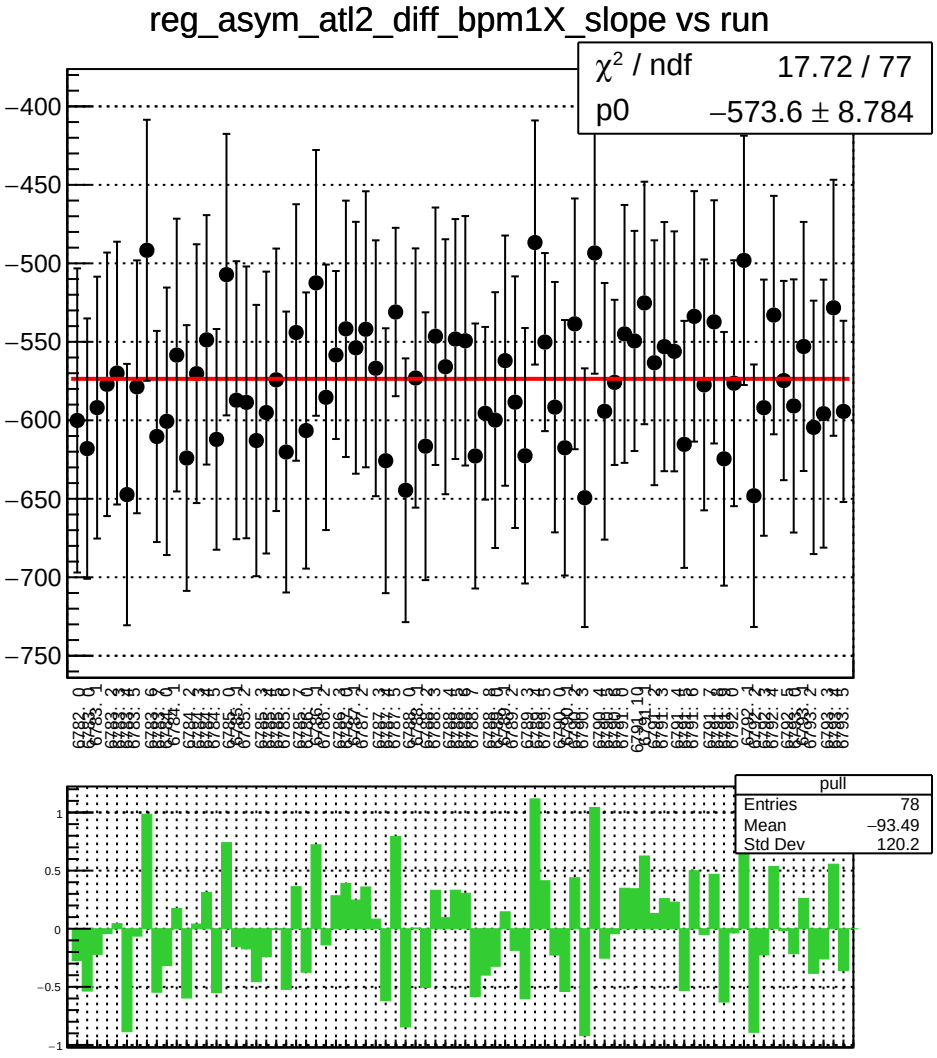

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 76.08 / 77
p0 61.19 ± 2.538
pull
Entries 78
Mean −263.3
Std Dev 291.8

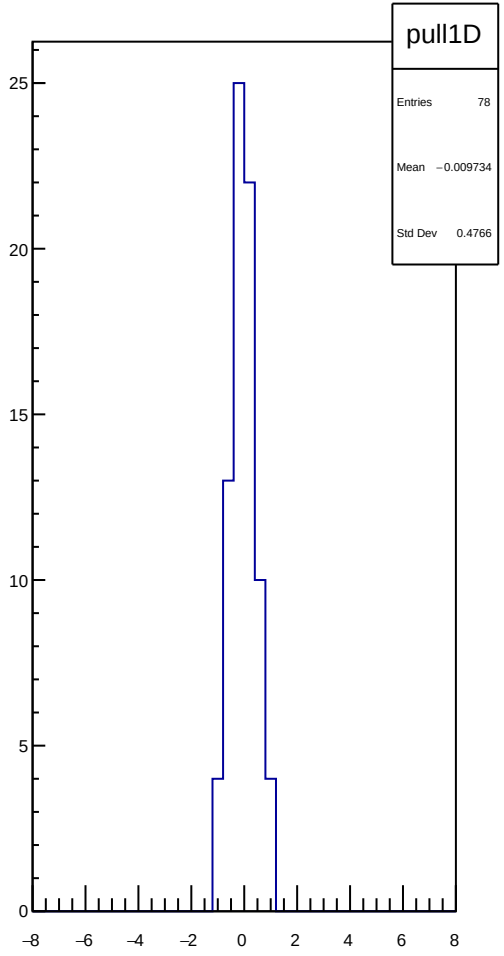

pull1D
Entries 78
Mean −0.01028
Std Dev 0.9875

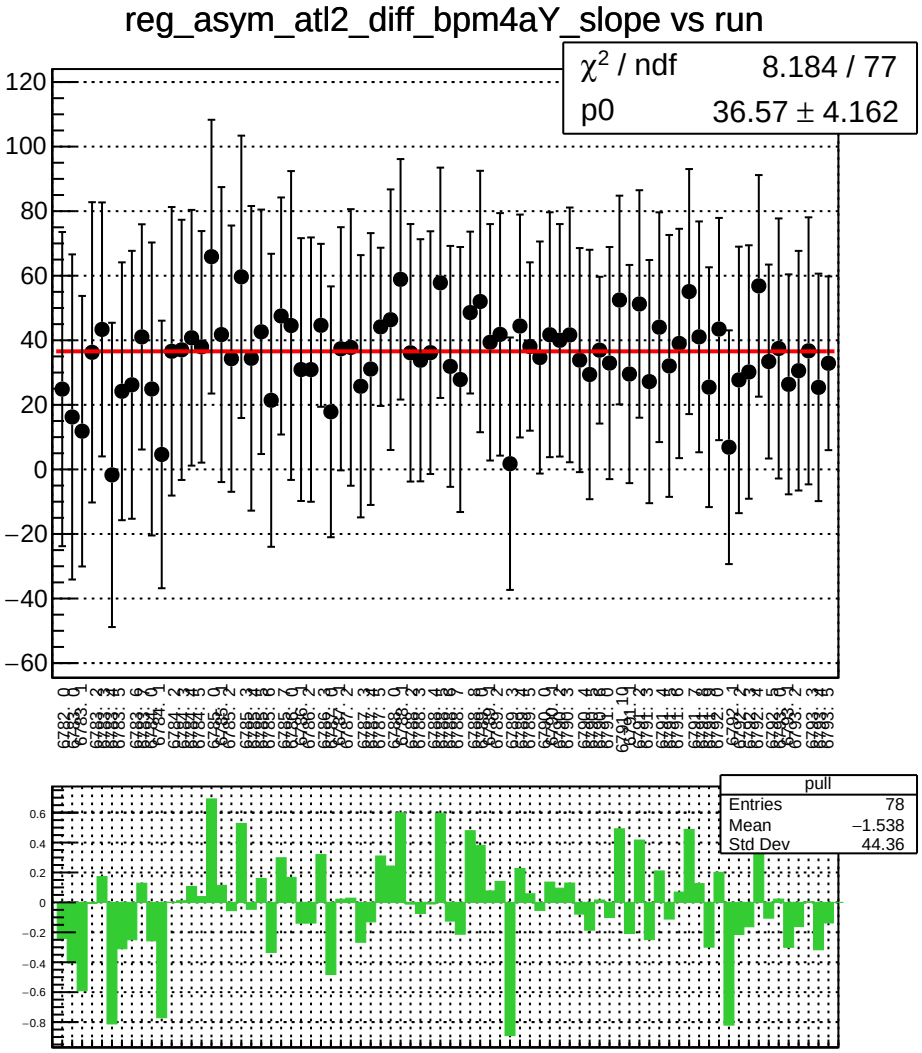

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 92.04 / 77
p0 −13.22 ± 1.778
pull
Entries 78
Mean 567.8
Std Dev 533.8
pull1D
Entries 78
Mean −0.008791
Std Dev 1.086

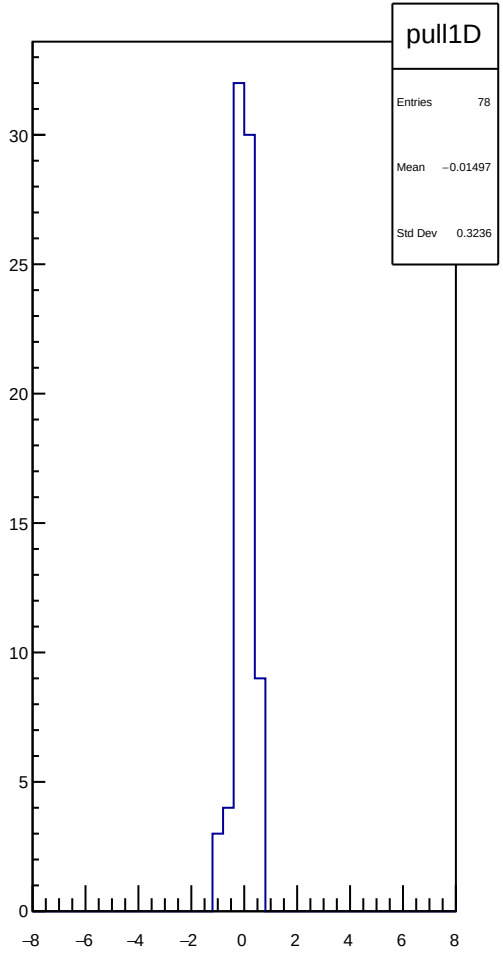

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 114.1 / 77
p0 −18.43 ± 0.1193
pull
Entries 78
Mean 44.17
Std Dev 60.4

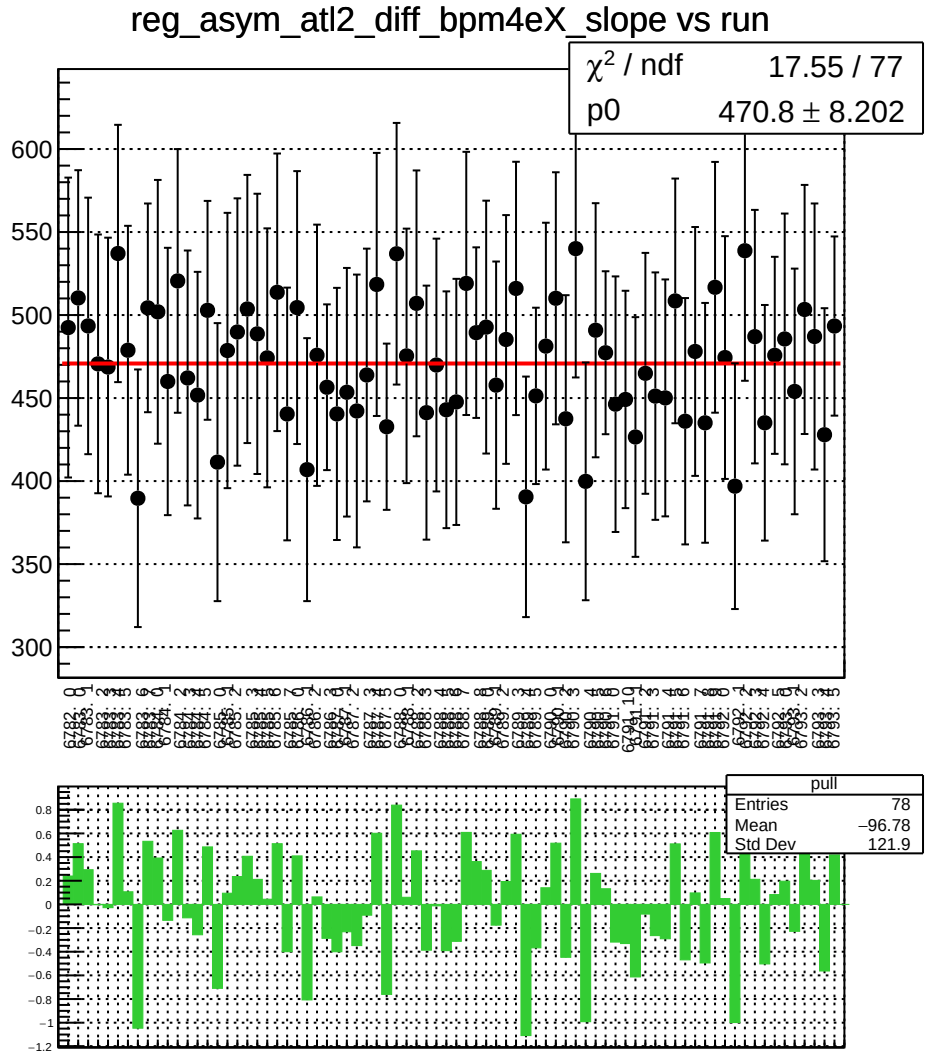

pull1D
Entries 78
Mean 0.0109
Std Dev 1.209

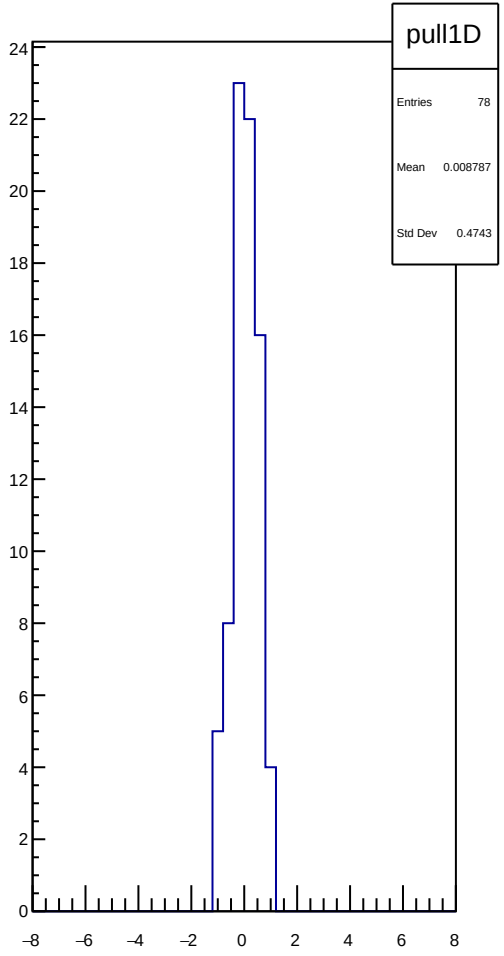

reg_asym_atl2_diff_bpm1X_slope vs run
χ^2 / ndf 17.72 / 77
p0 −573.6 ± 8.784
pull
Entries 78
Mean −93.49
Std Dev 120.2

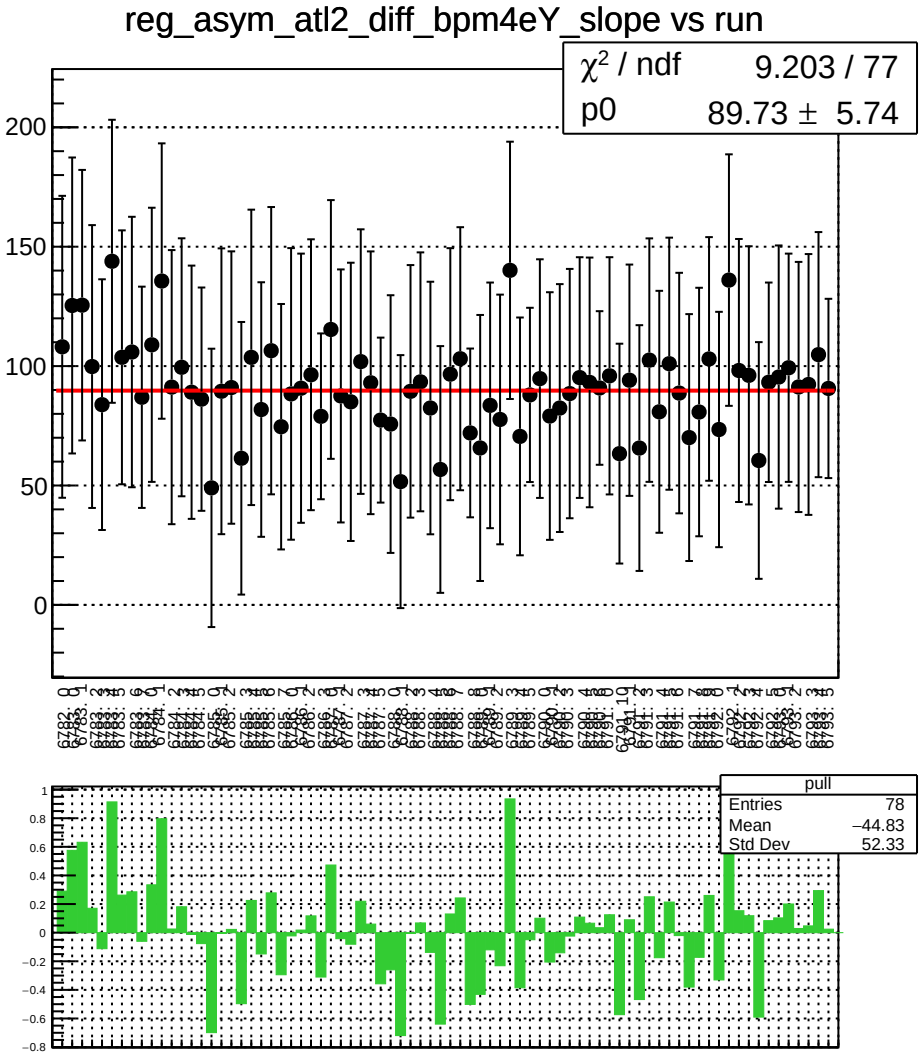

pull1D
Entries 78
Mean −0.009734
Std Dev 0.4766

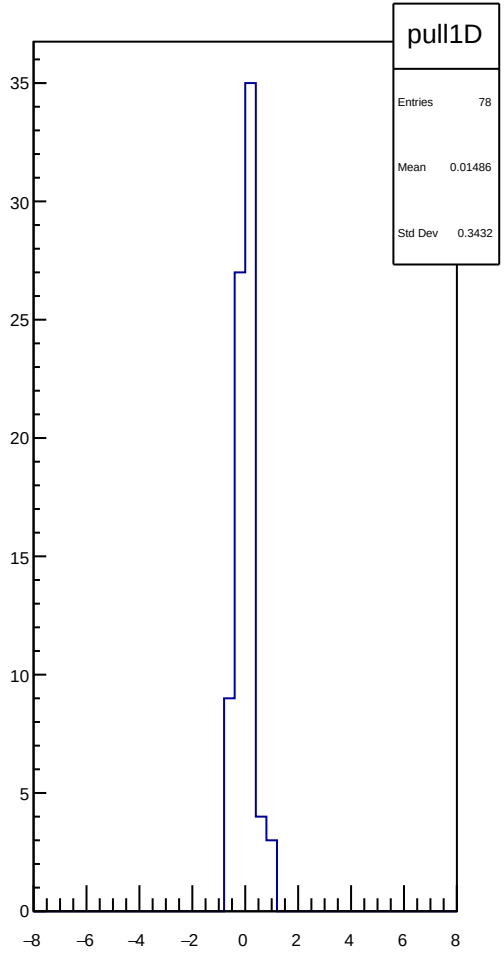

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 8.184 / 77
p0 36.57 ± 4.162
pull
Entries 78
Mean −1.538
Std Dev 44.36

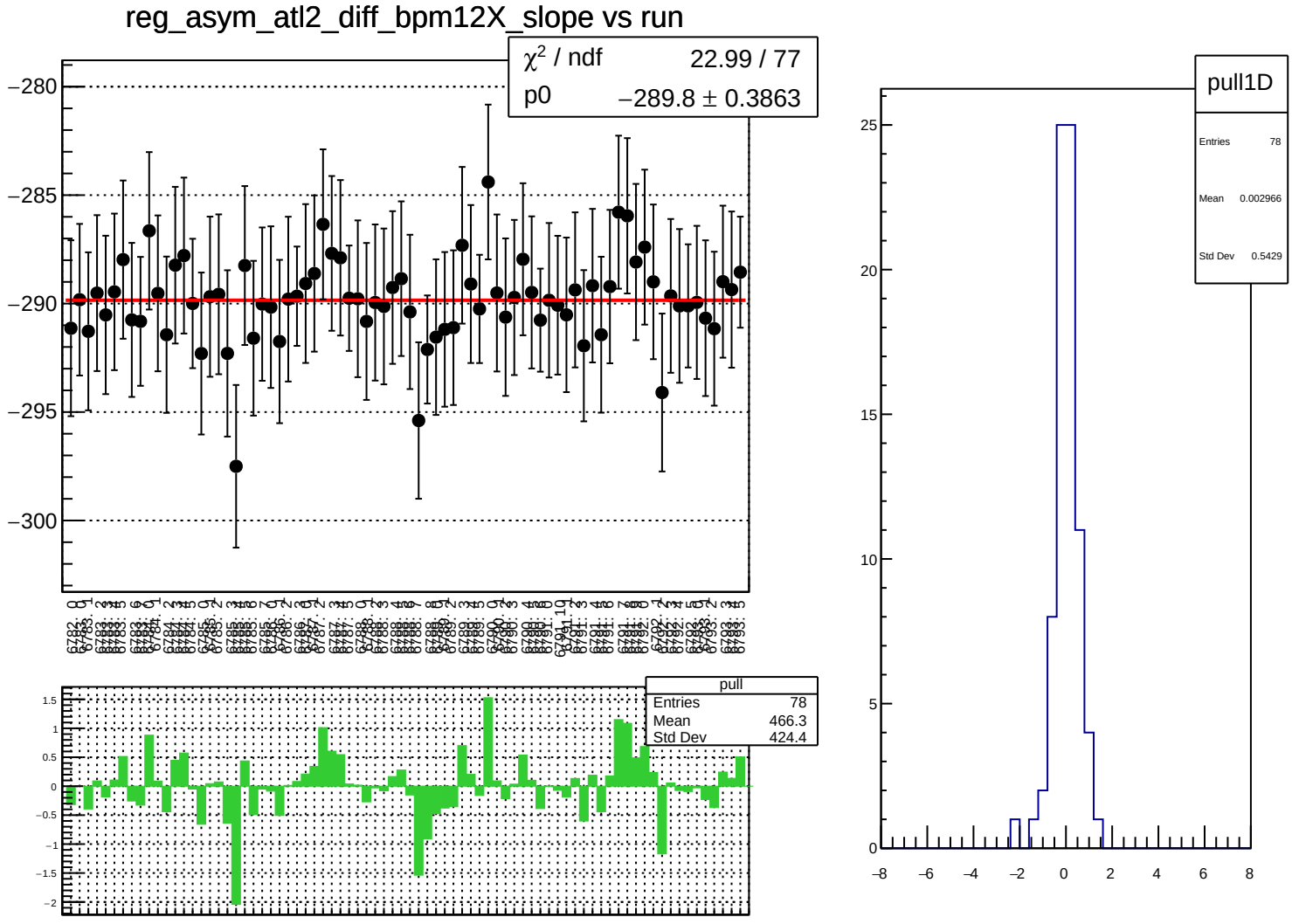

pull1D
Entries 78
Mean −0.01497
Std Dev 0.3236

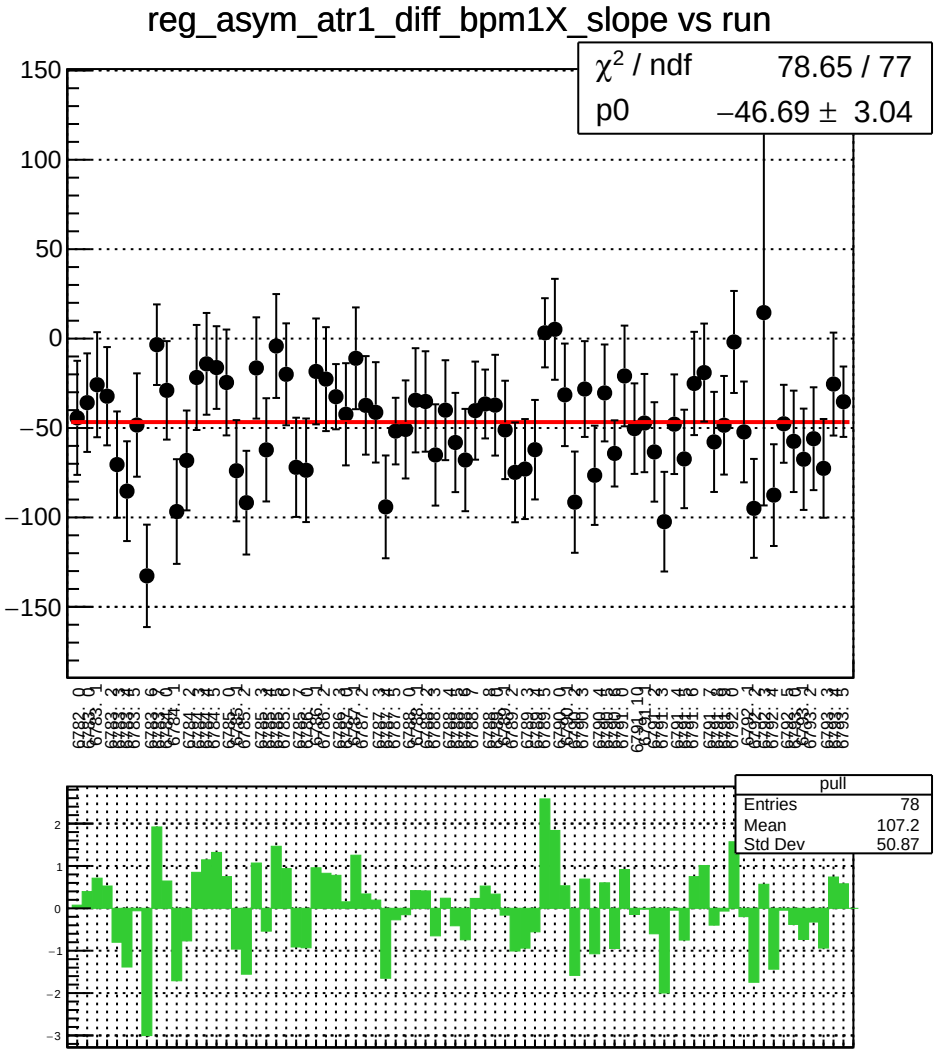

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 17.55 / 77
p0 470.8 ± 8.202
pull
Entries 78
Mean −96.78
Std Dev 121.9

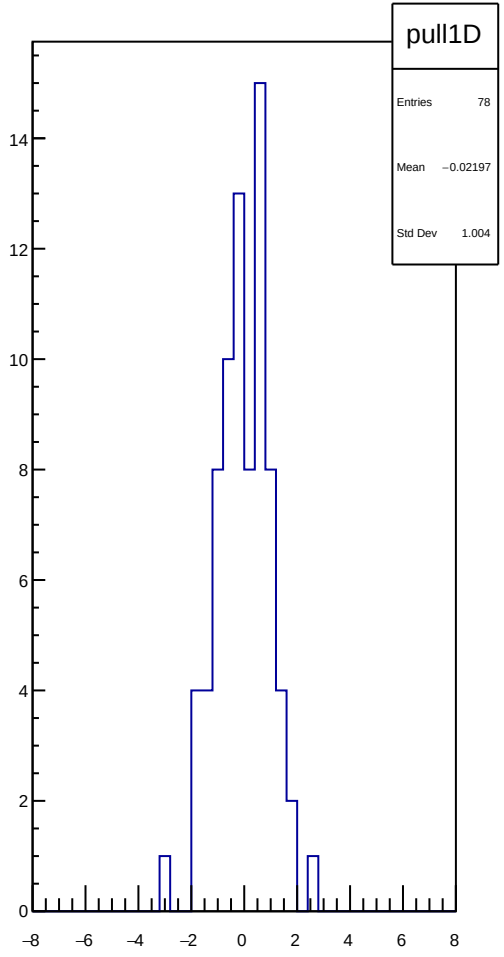

pull1D
Entries 78
Mean 0.008787
Std Dev 0.4743

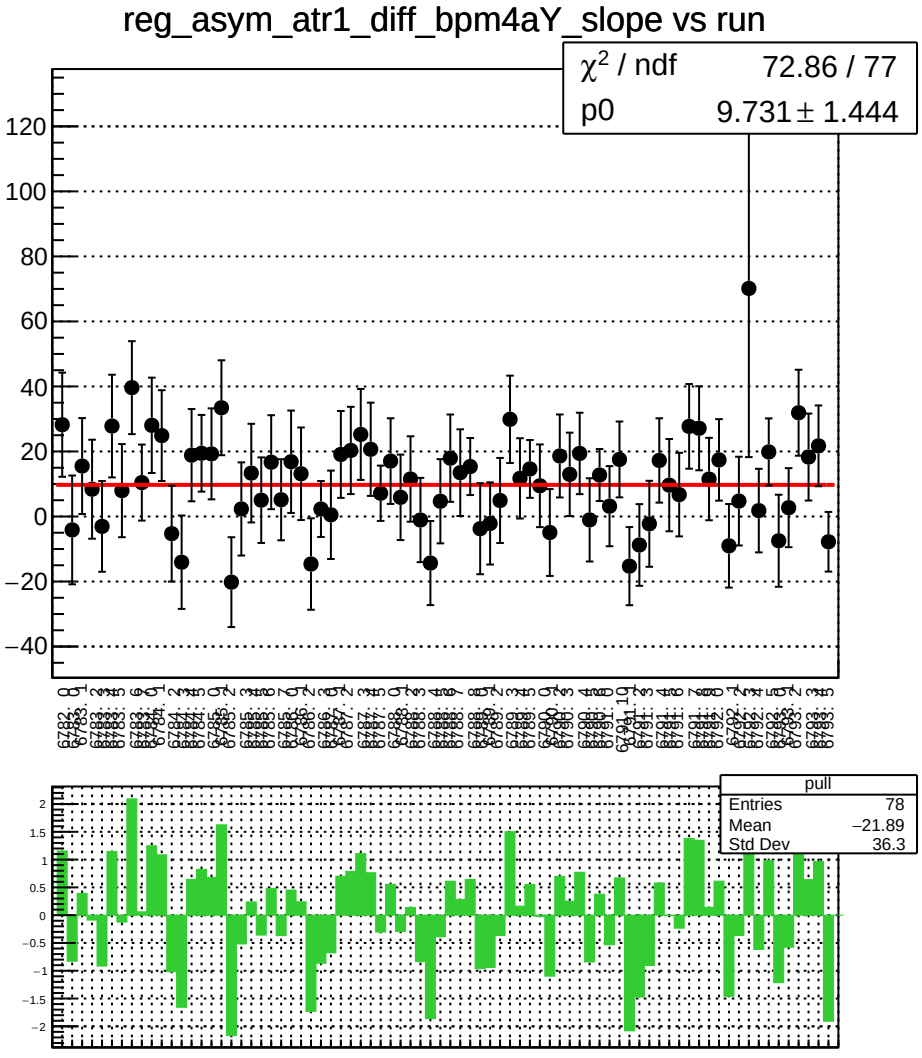

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 9.203 / 77
p0 89.73 ± 5.74
pull
Entries 78
Mean −44.83
Std Dev 52.33

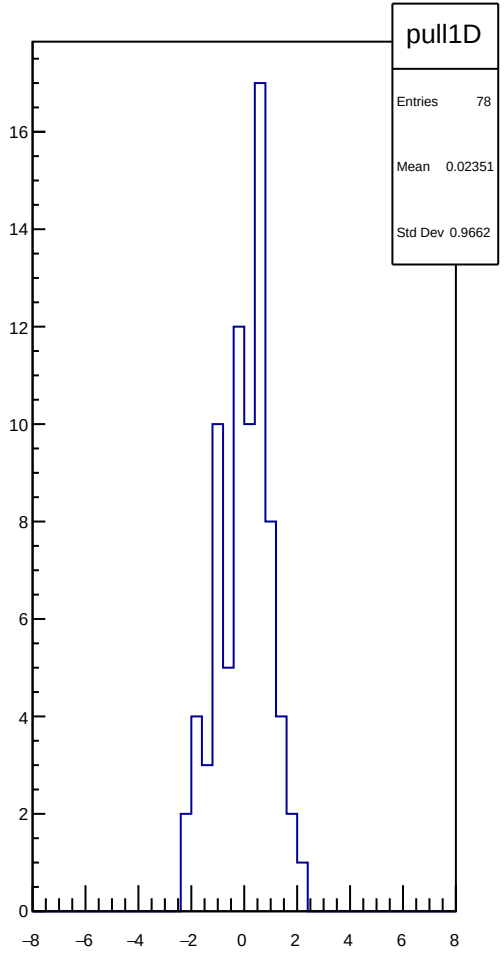

pull1D
Entries 78
Mean 0.01486
Std Dev 0.3432

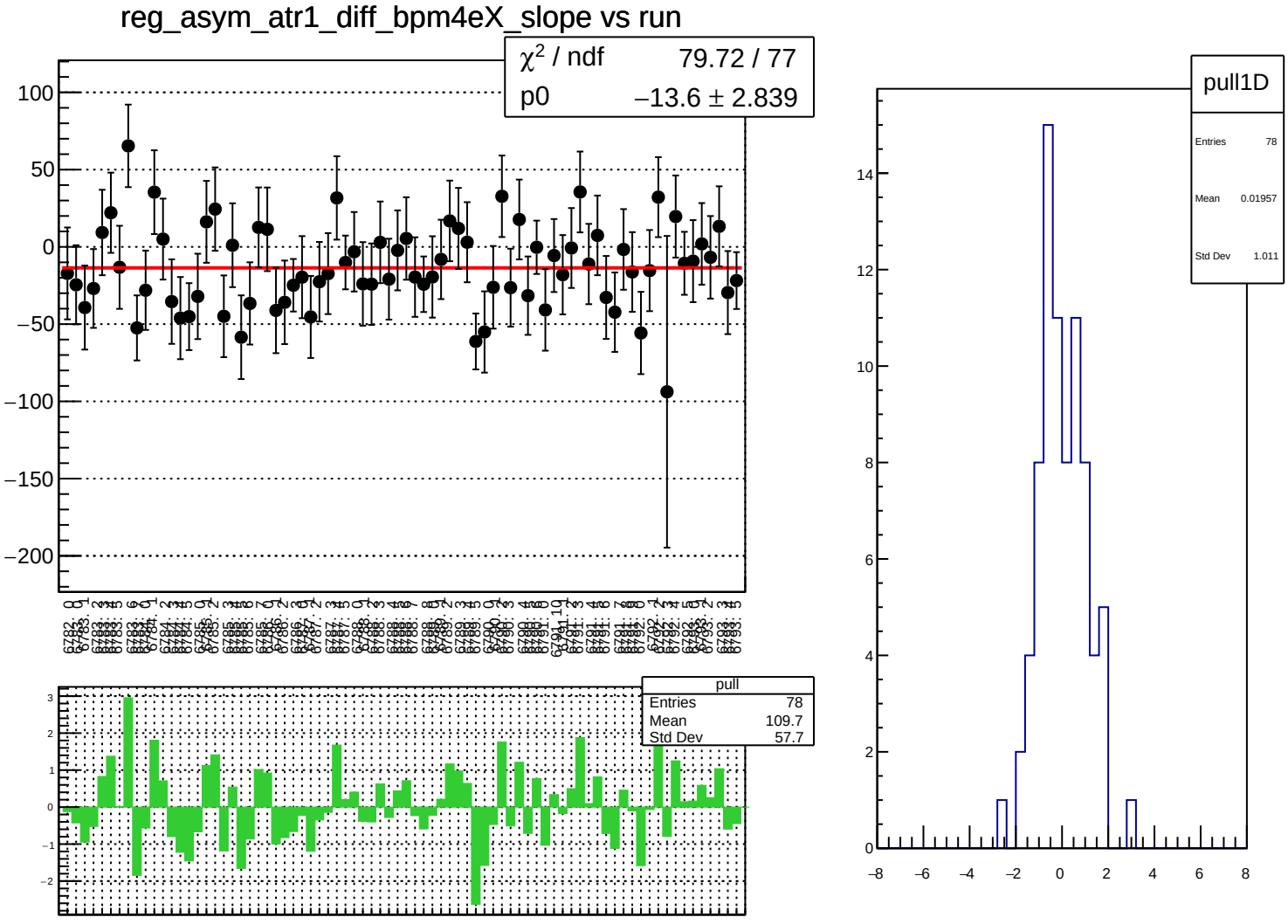

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 22.99 / 77
p0 −289.8 ± 0.3863
pull
Entries 78
Mean 466.3
Std Dev 424.4
pull1D
Entries 78
Mean 0.002966
Std Dev 0.5429

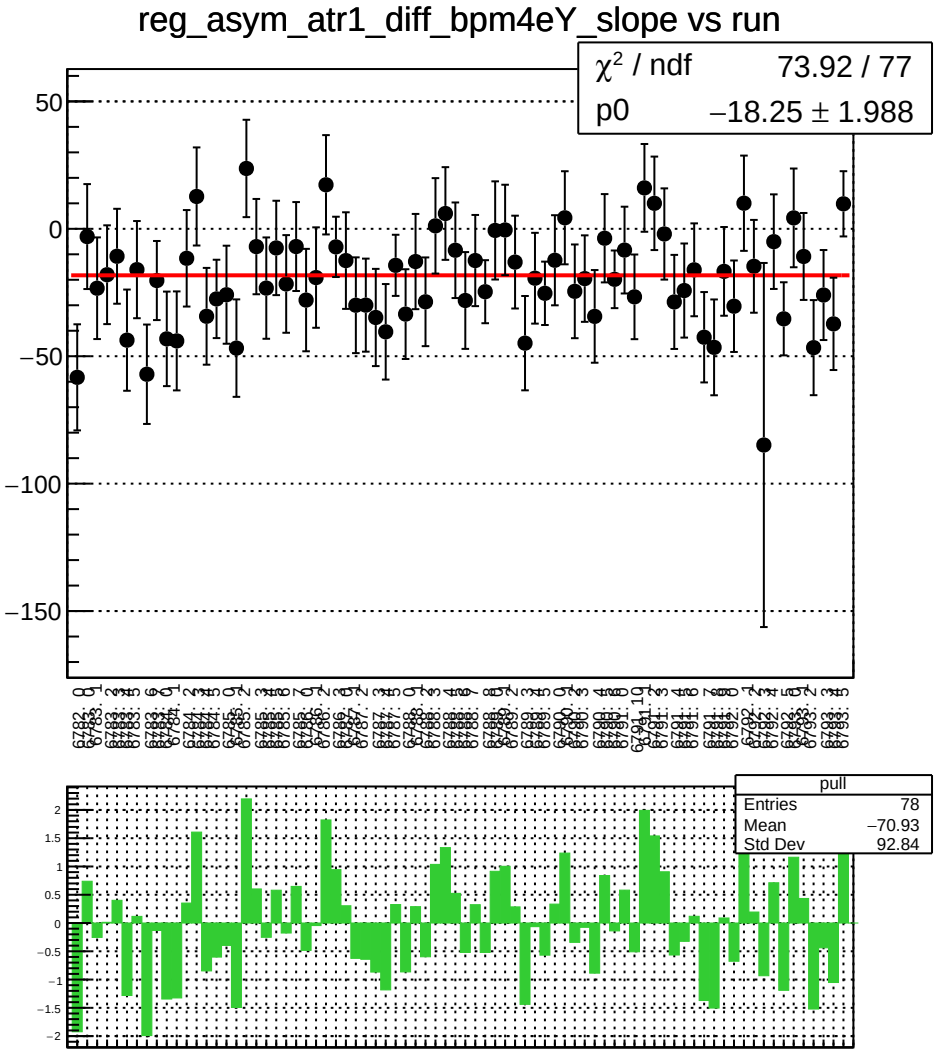

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 78.65 / 77
p0 −46.69 ± 3.04
pull
Entries 78
Mean 107.2
Std Dev 50.87

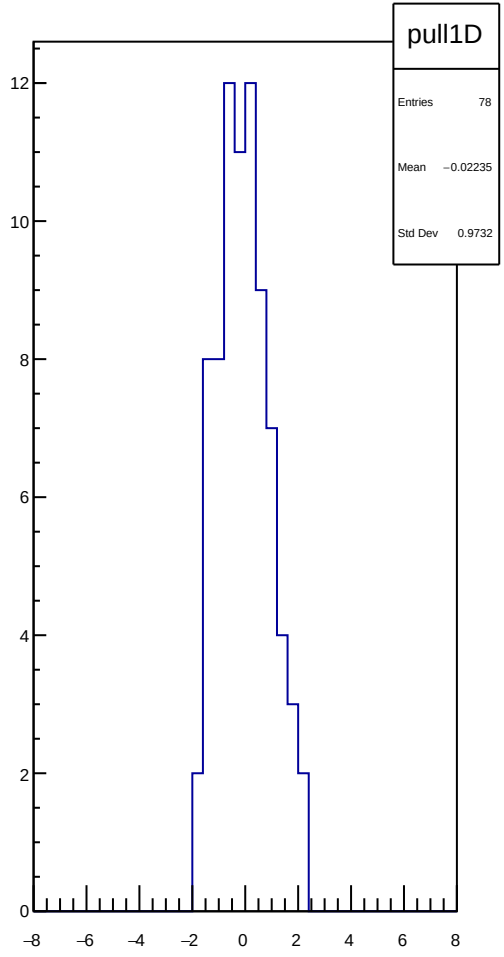

pull1D
Entries 78
Mean −0.02197
Std Dev 1.004

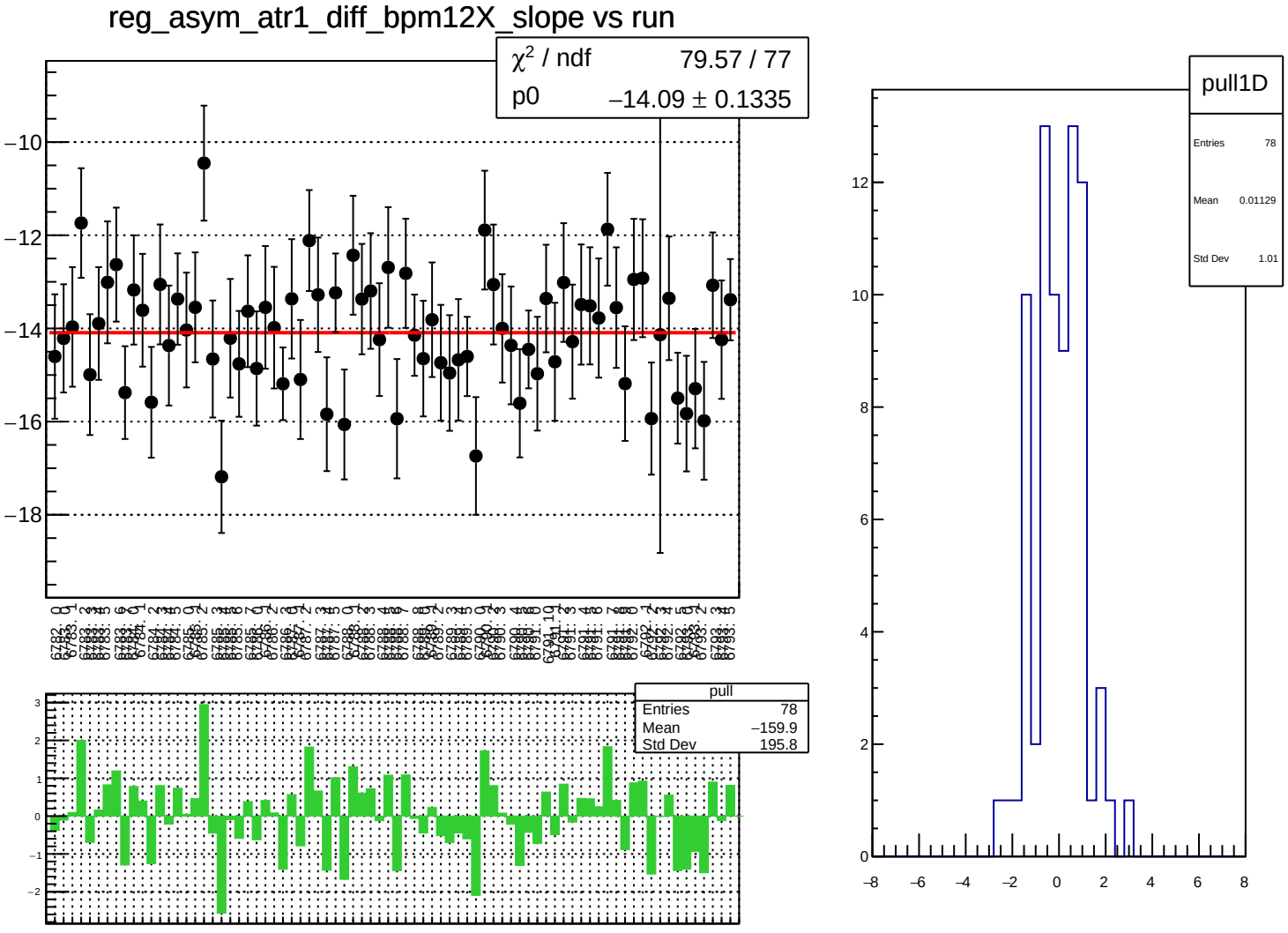

reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 72.86 / 77
p0 9.731 ± 1.444
pull
Entries 78
Mean −21.89
Std Dev 36.3

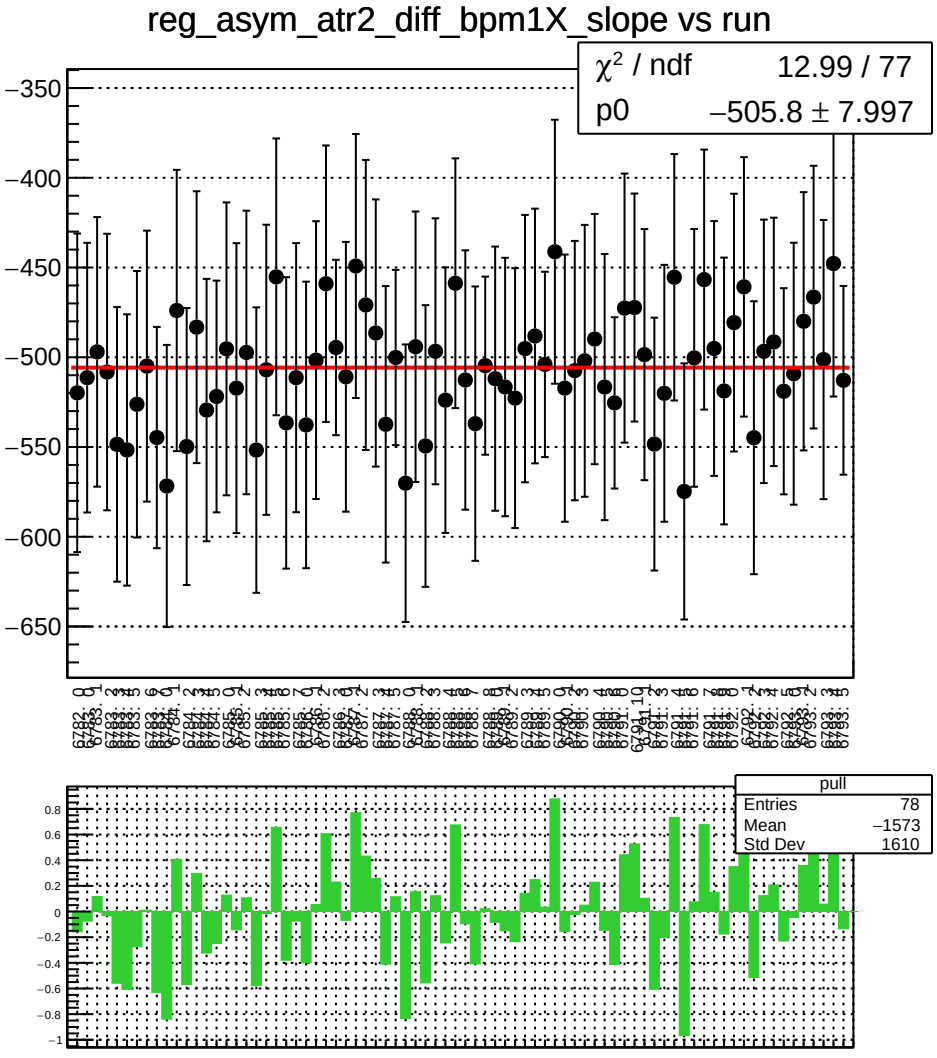

pull1D
Entries 78
Mean 0.02351
Std Dev 0.9662

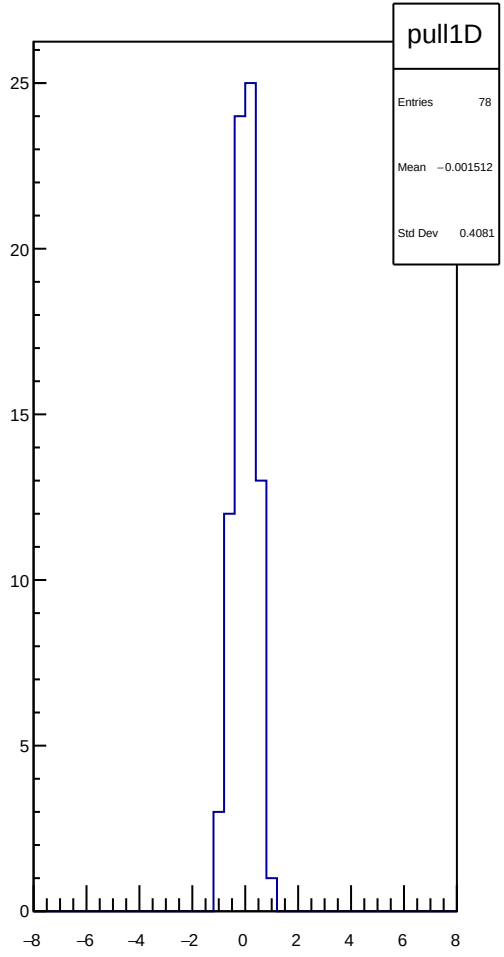

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.72 / 77
p0 −13.6 ± 2.839
pull
Entries 78
Mean 109.7
Std Dev 57.7
pull1D
Entries 78
Mean 0.01957
Std Dev 1.011

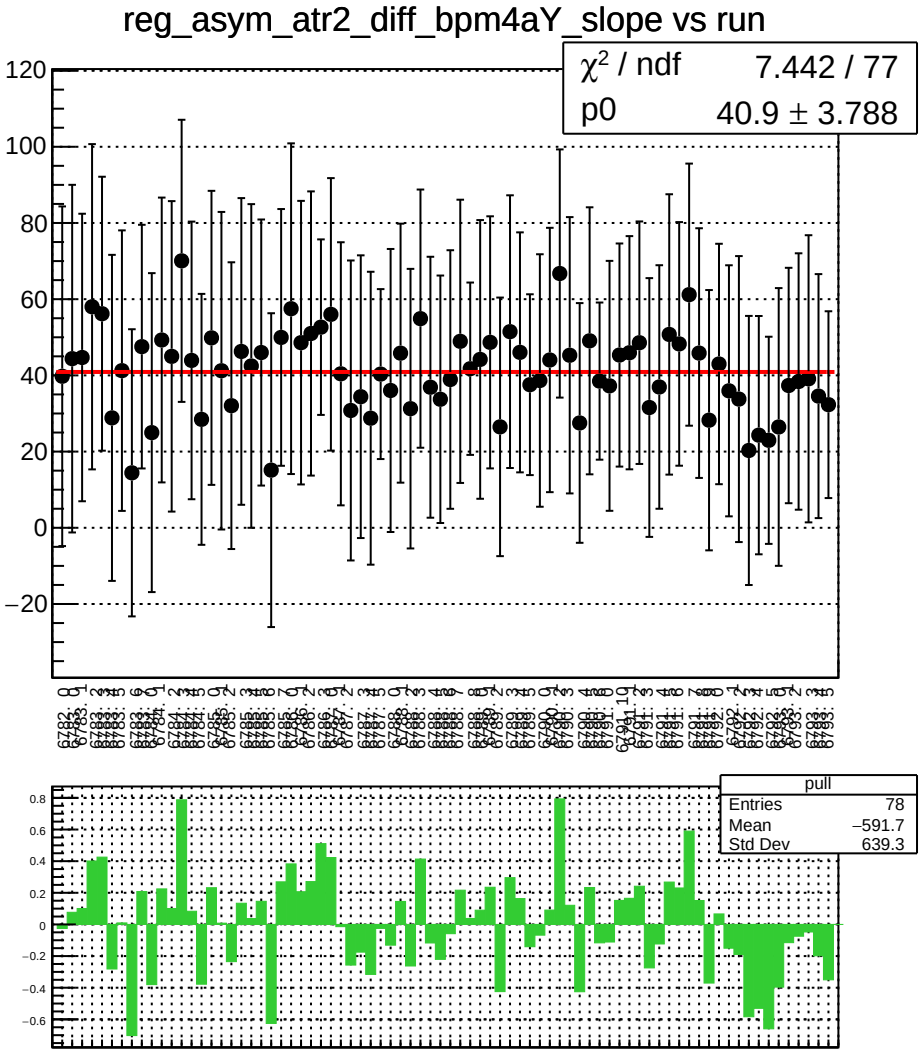

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 73.92 / 77
p0 −18.25 ± 1.988
pull
Entries 78
Mean −70.93
Std Dev 92.84

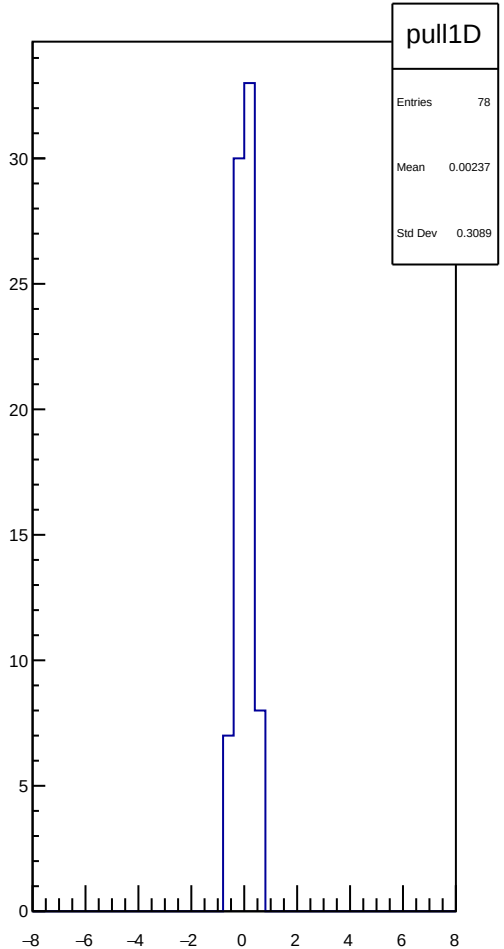

pull1D
Entries 78
Mean −0.02235
Std Dev 0.9732

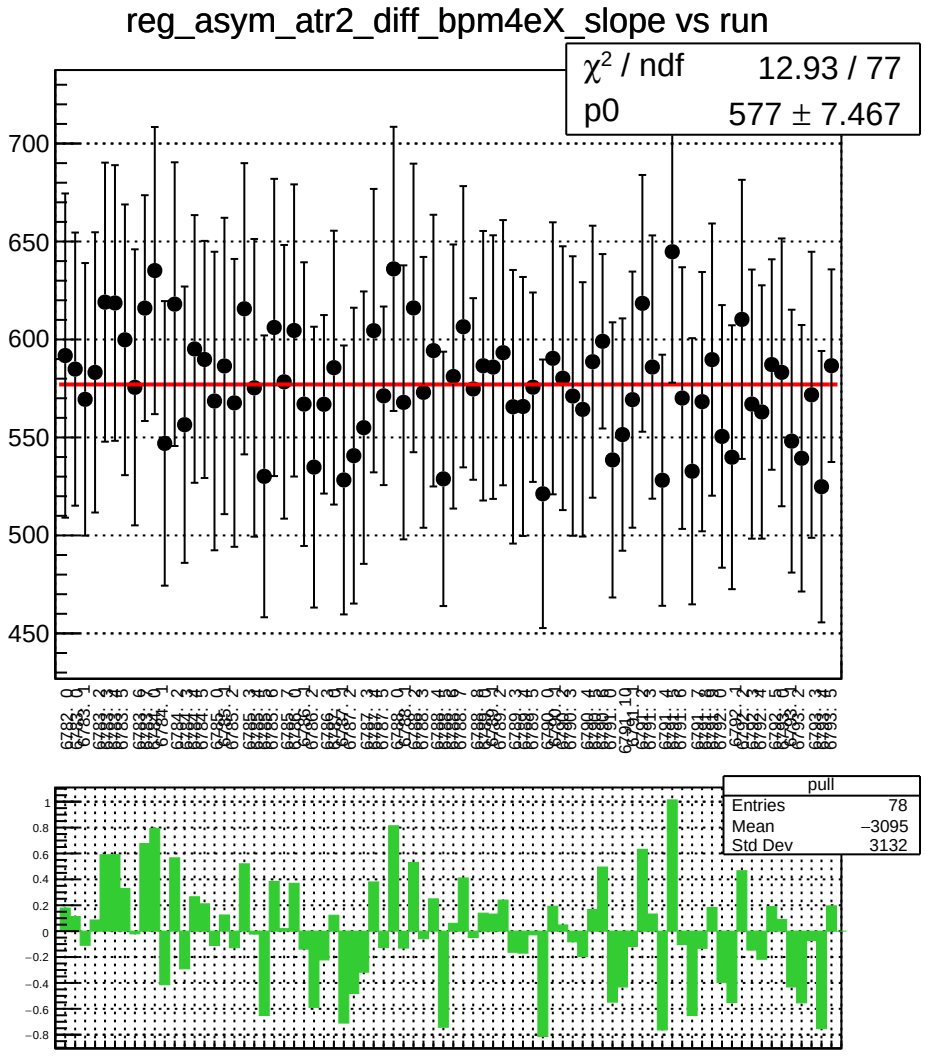

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 79.57 / 77
p0 −14.09 ± 0.1335
pull
Entries 78
Mean −159.9
Std Dev 195.8
pull1D
Entries 78
Mean 0.01129
Std Dev 1.01

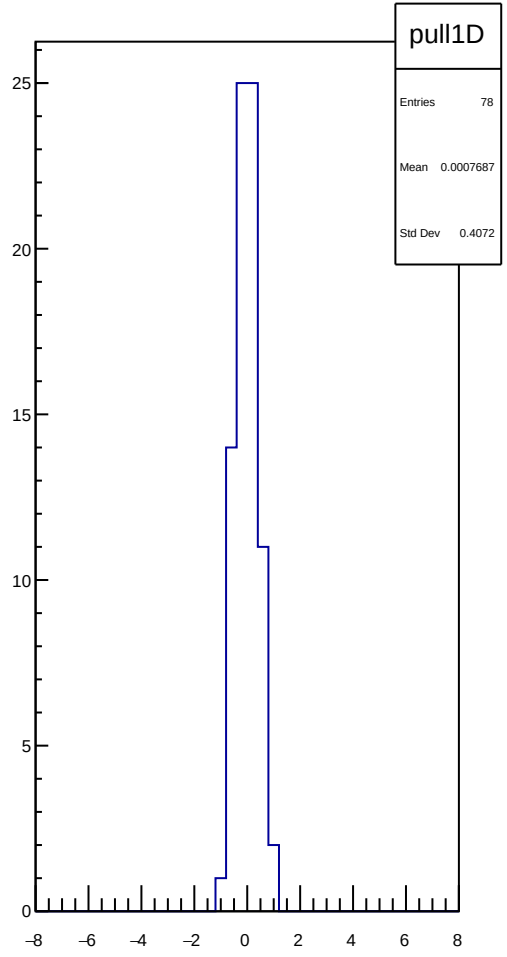

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.99 / 77
p0 −505.8 ± 7.997
pull
Entries 78
Mean −1573
Std Dev 1610

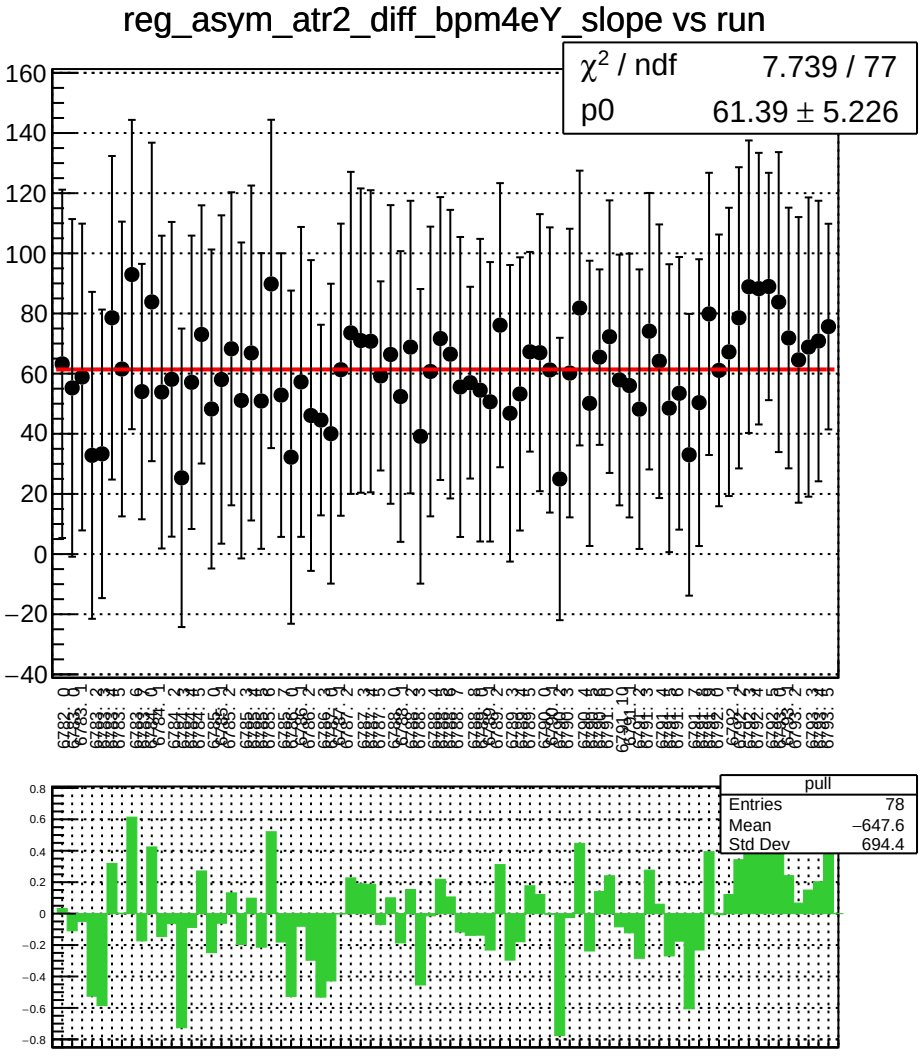

pull1D
Entries 78
Mean −0.001512
Std Dev 0.4081

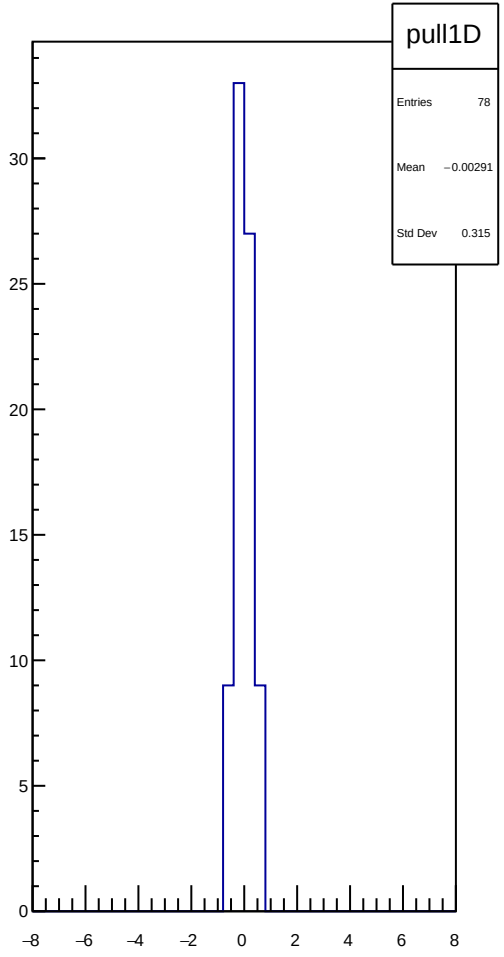

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.442 / 77
p0 40.9 ± 3.788
pull
Entries 78
Mean −591.7
Std Dev 639.3

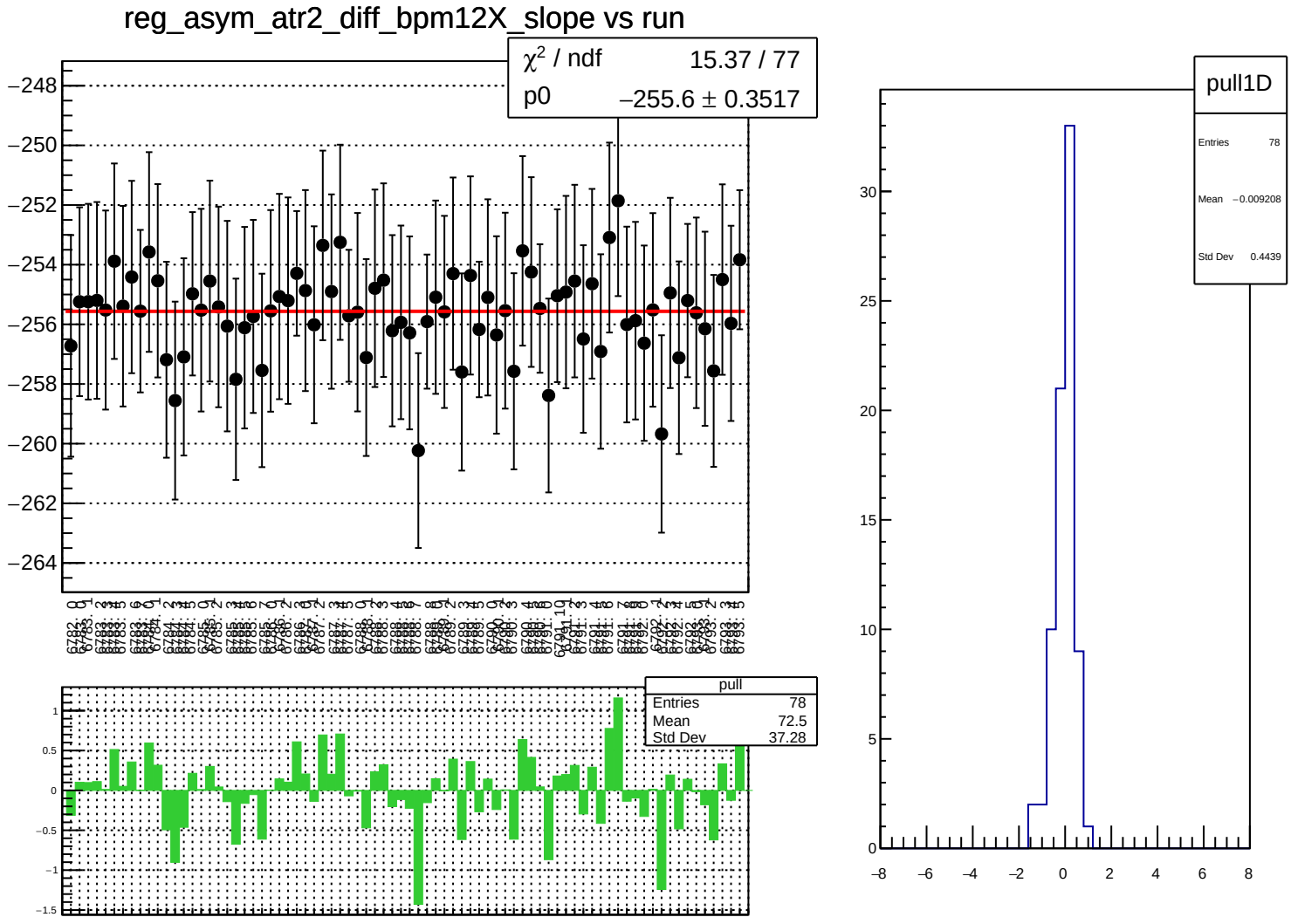

pull1D
Entries 78
Mean 0.00237
Std Dev 0.3089

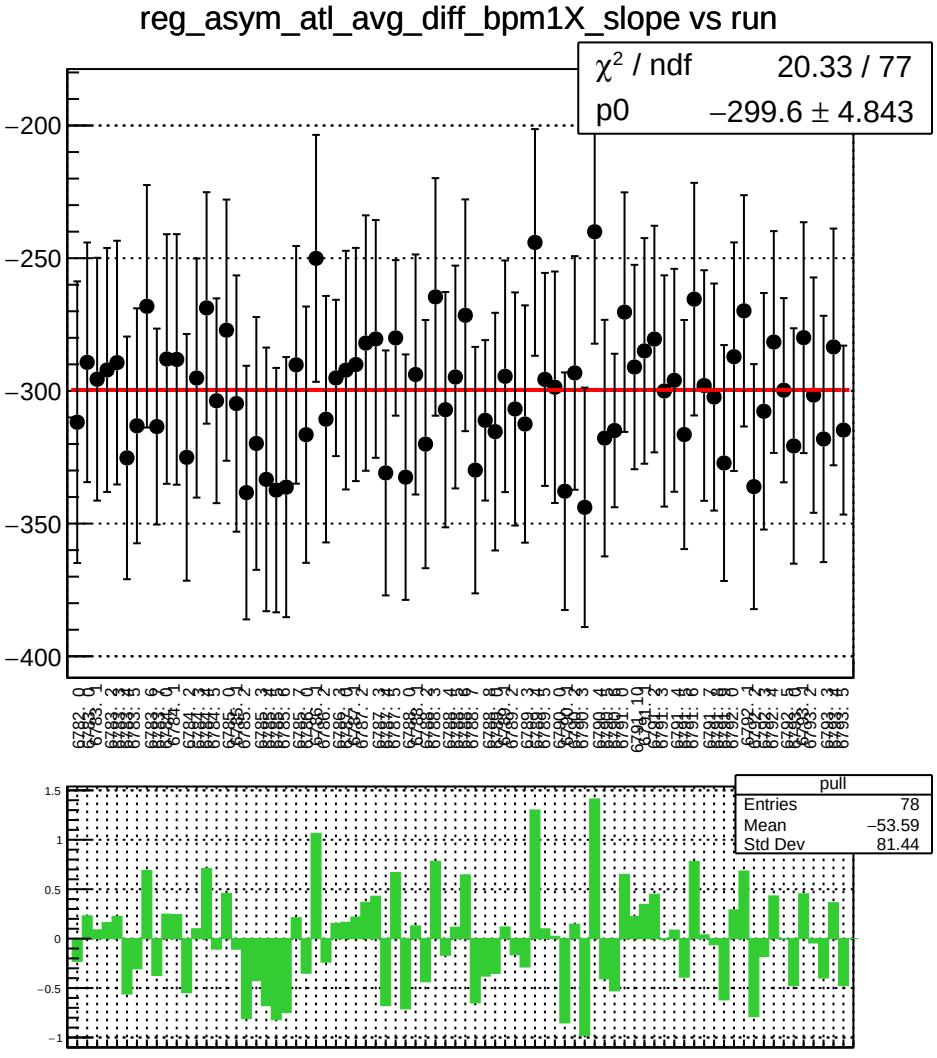

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.93 / 77
p0 577 ± 7.467
700
650
600
550
500
450
pull
Entries 78
Mean −3095
Std Dev 3132
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

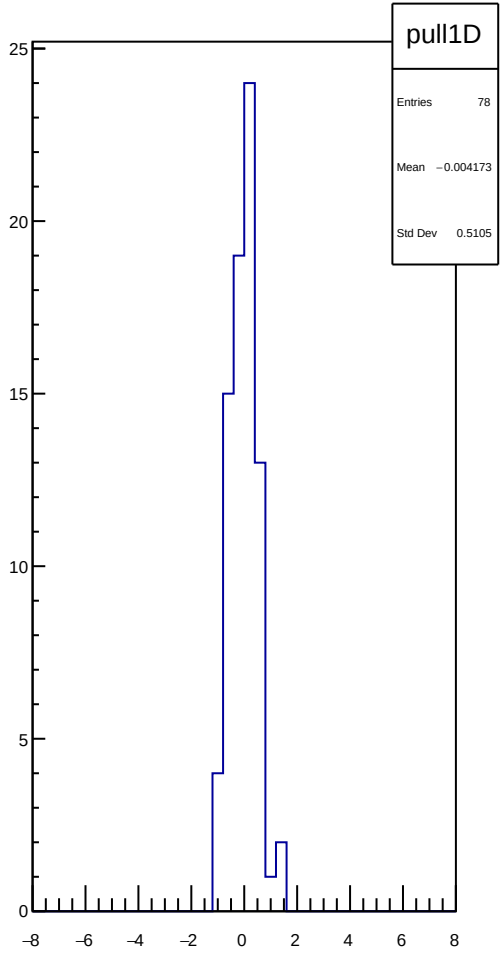

pull1D
Entries 78
Mean 0.0007687
Std Dev 0.4072
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

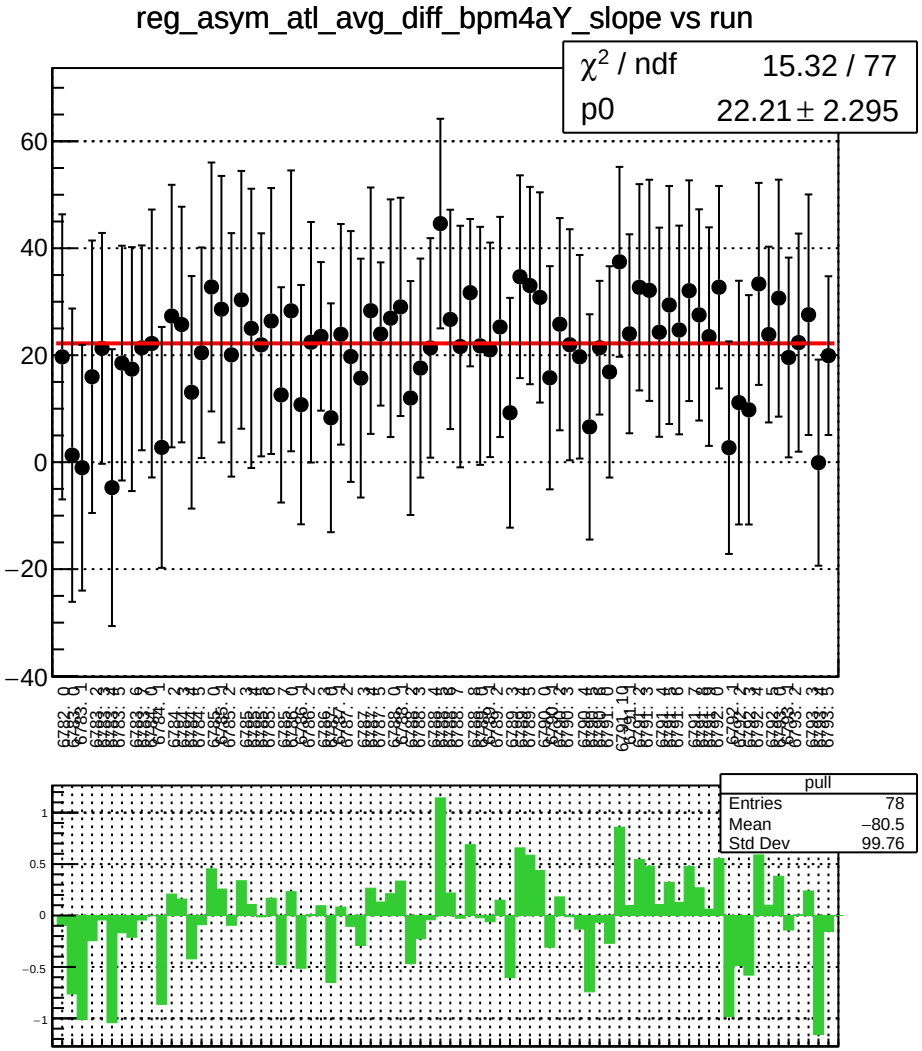

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 7.739 / 77
p0 61.39 ± 5.226
pull
Entries 78
Mean −647.6
Std Dev 694.4

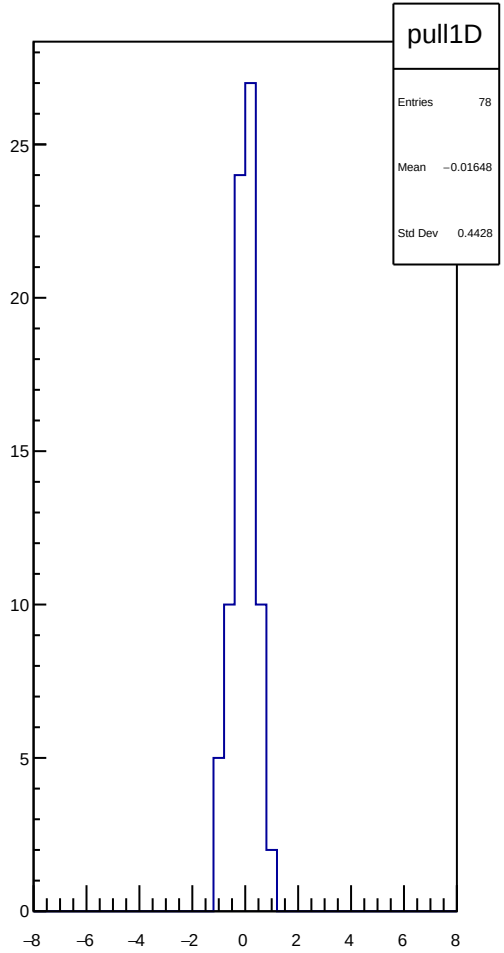

pull1D
Entries 78
Mean −0.00291
Std Dev 0.315

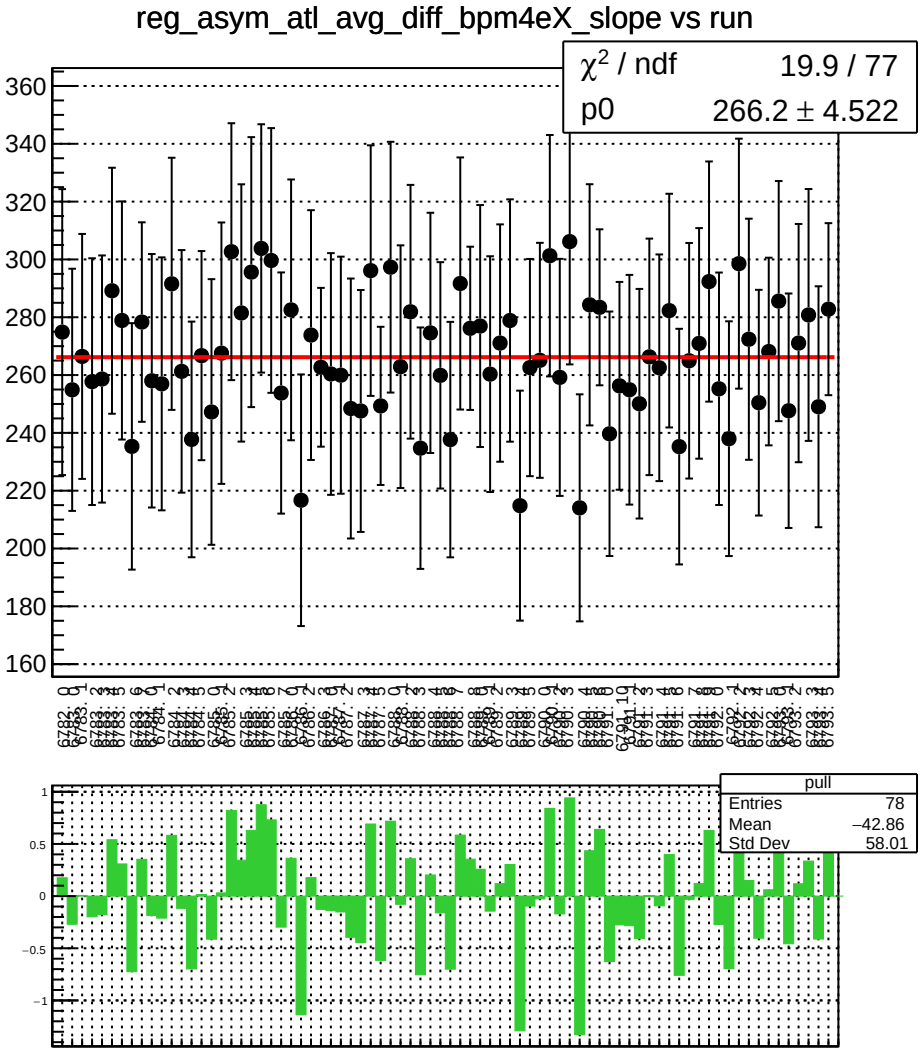

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 15.37 / 77
p0 −255.6 ± 0.3517
pull
Entries 78
Mean 72.5
Std Dev 37.28
pull1D
Entries 78
Mean −0.009208
Std Dev 0.4439

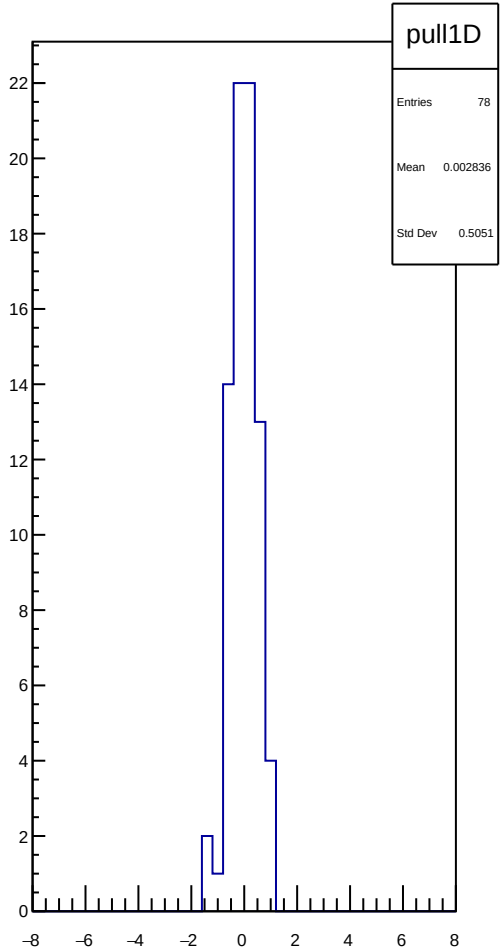

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 20.33 / 77
p0 −299.6 ± 4.843
pull
Entries 78
Mean −53.59
Std Dev 81.44

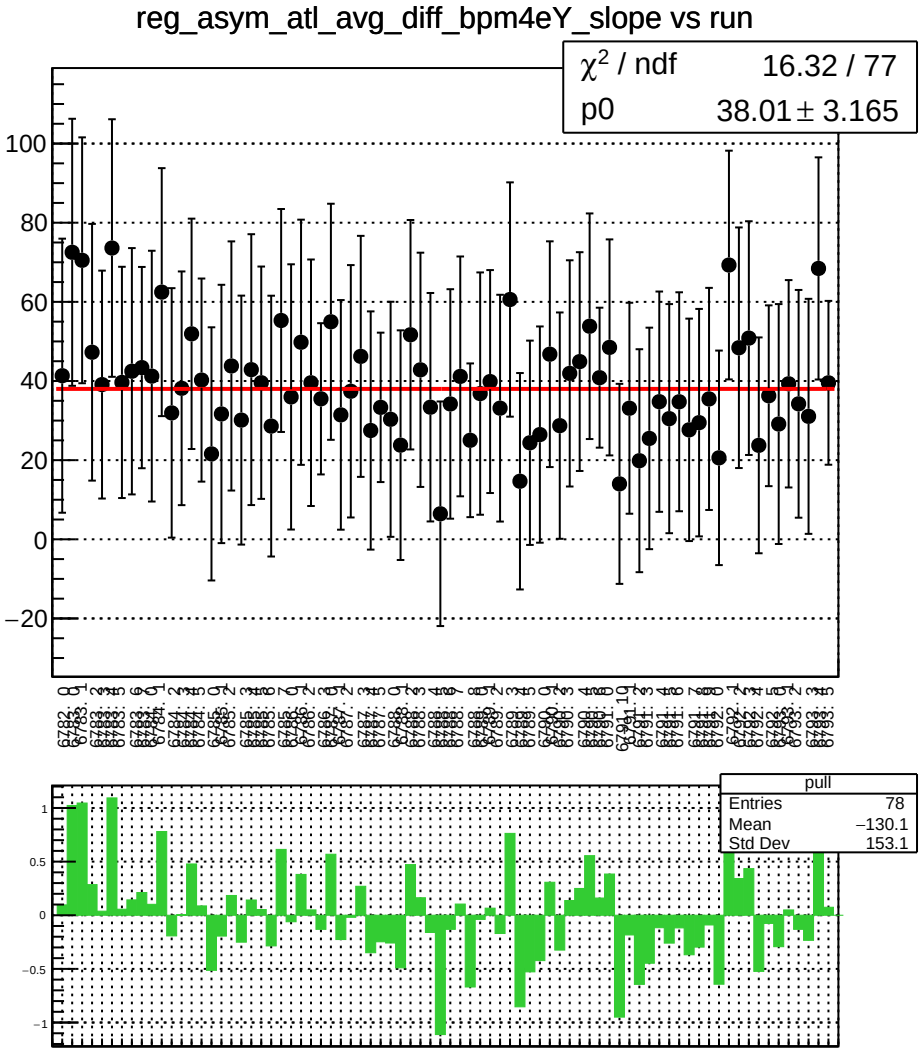

pull1D
Entries 78
Mean −0.004173
Std Dev 0.5105

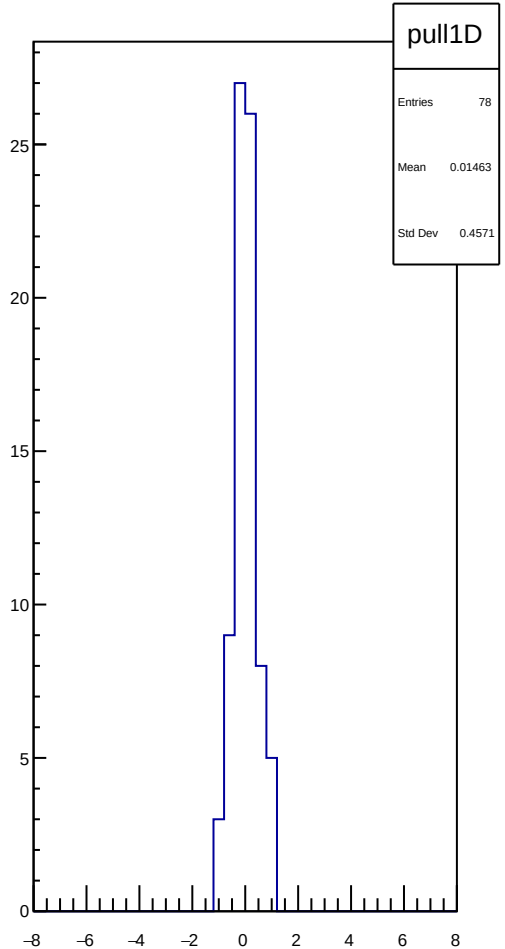

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 15.32 / 77
p0 22.21 ± 2.295
pull
Entries 78
Mean −80.5
Std Dev 99.76

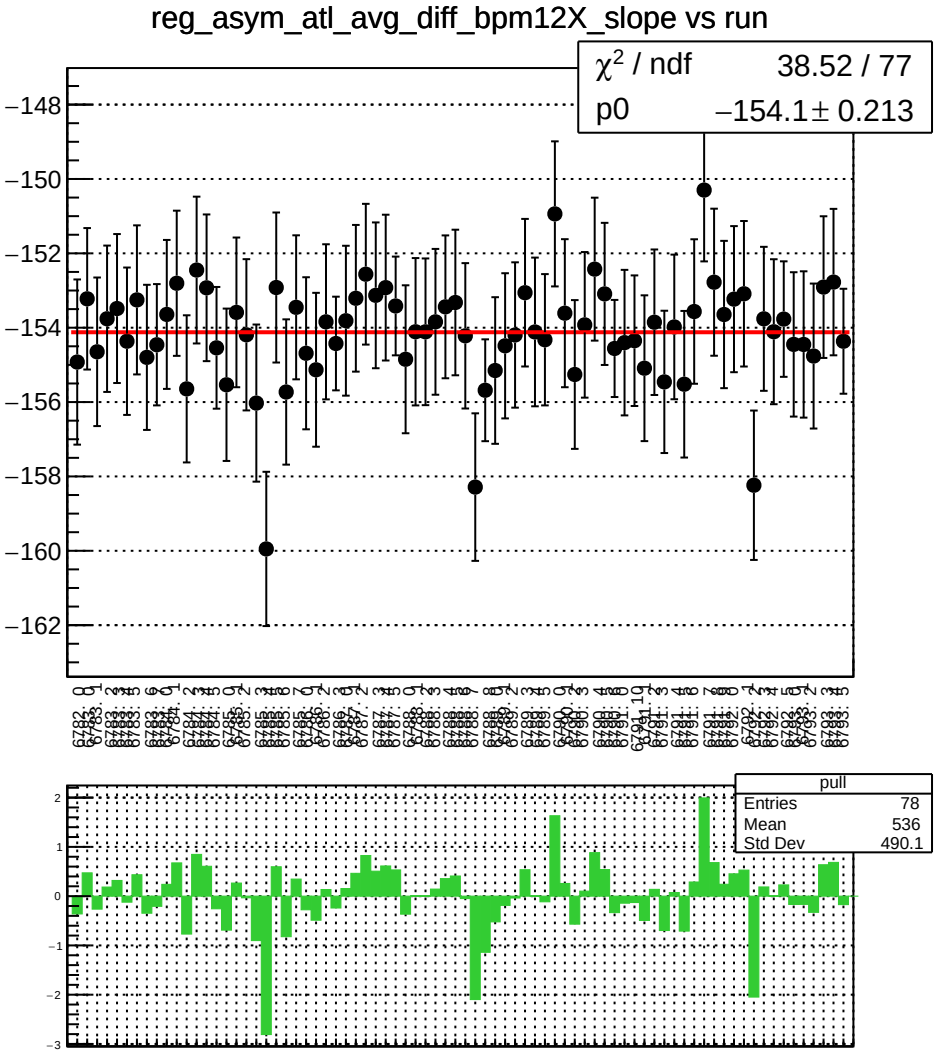

pull1D
Entries 78
Mean −0.01648
Std Dev 0.4428

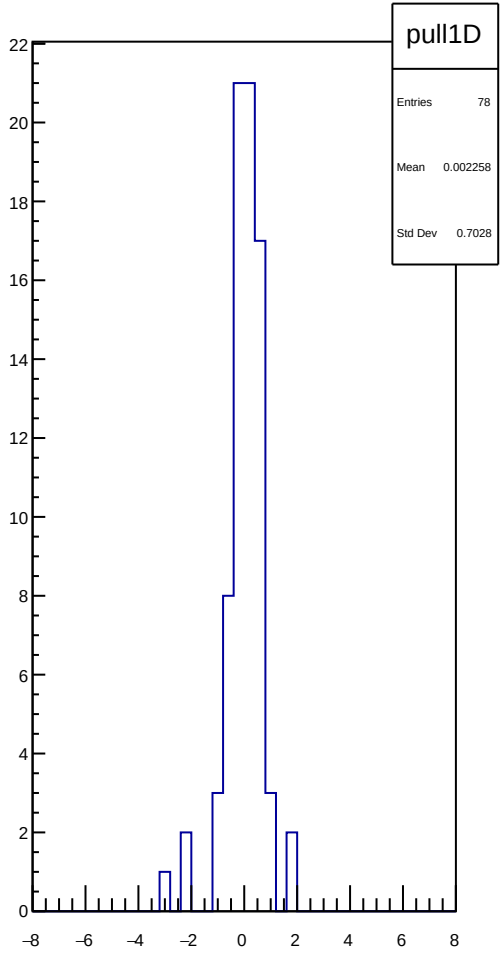

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.9 / 77
p0 266.2 ± 4.522
pull
Entries 78
Mean −42.86
Std Dev 58.01

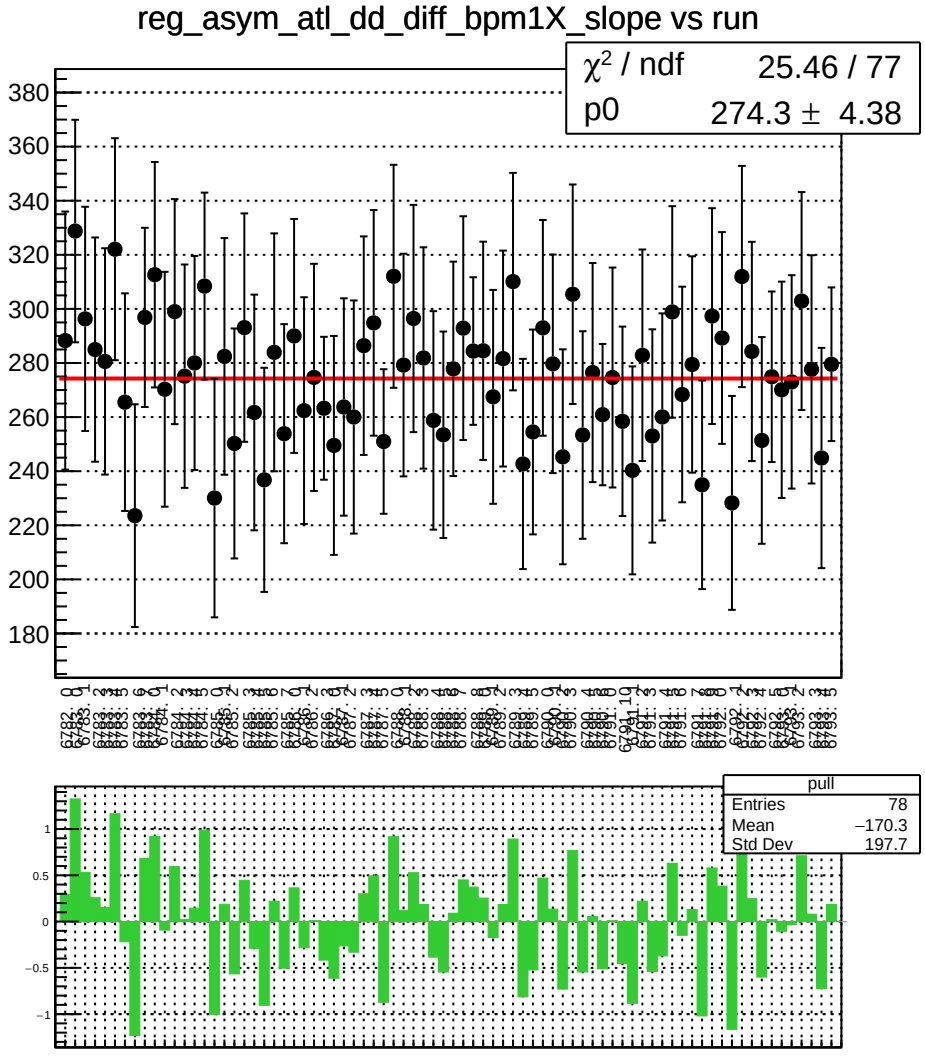

pull1D
Entries 78
Mean 0.002836
Std Dev 0.5051

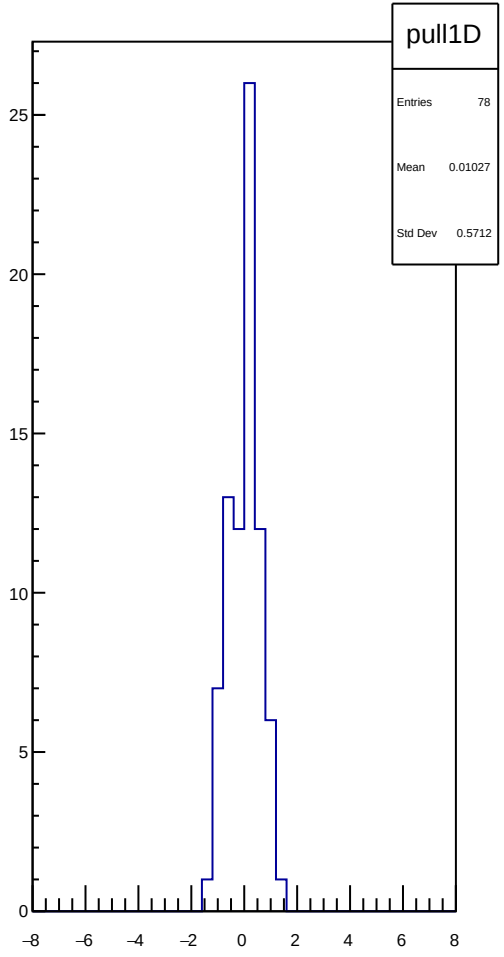

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ2 / ndf 16.32 / 77
p0 38.01 ± 3.165
pull
Entries 78
Mean −130.1
Std Dev 153.1

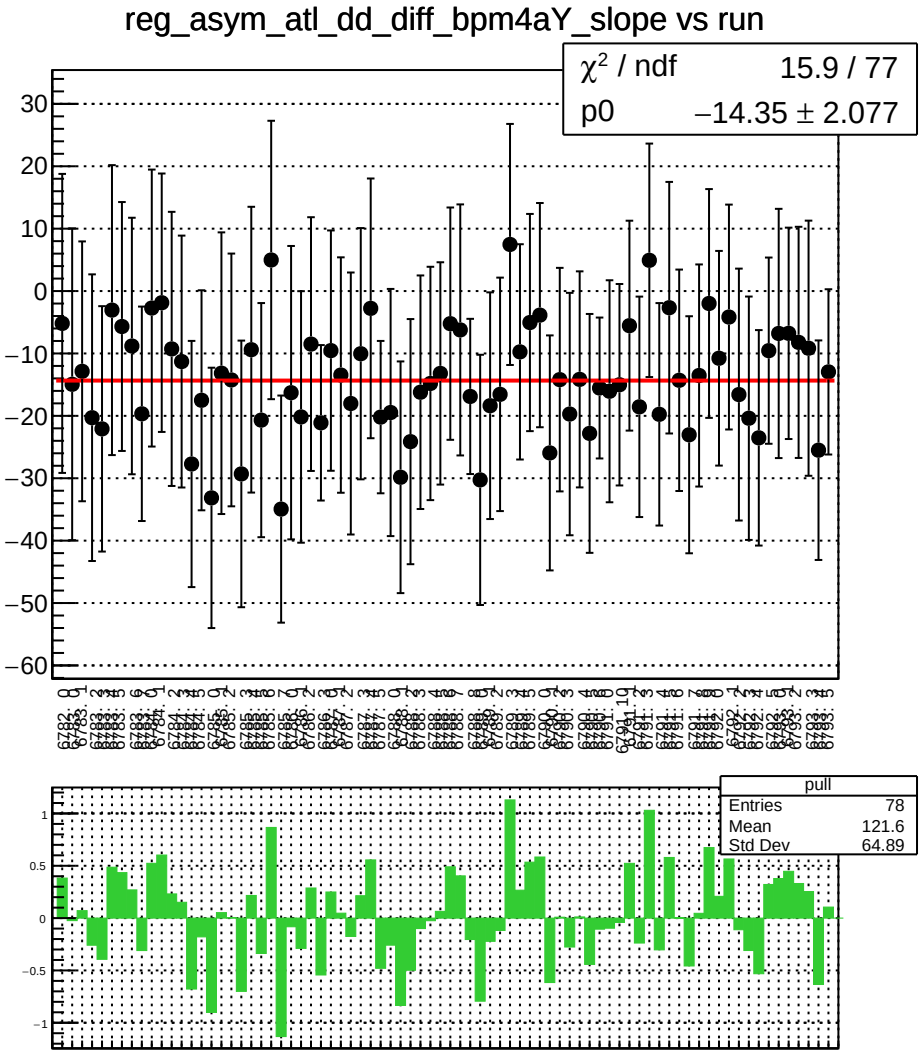

pull1D
Entries 78
Mean 0.01463
Std Dev 0.4571

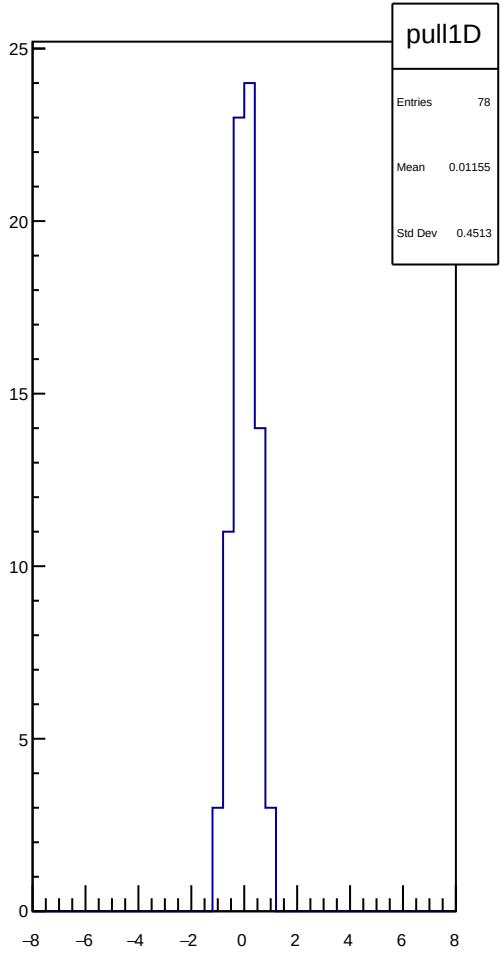

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 38.52 / 77
p0 −154.1 ± 0.213
pull
Entries 78
Mean 536
Std Dev 490.1

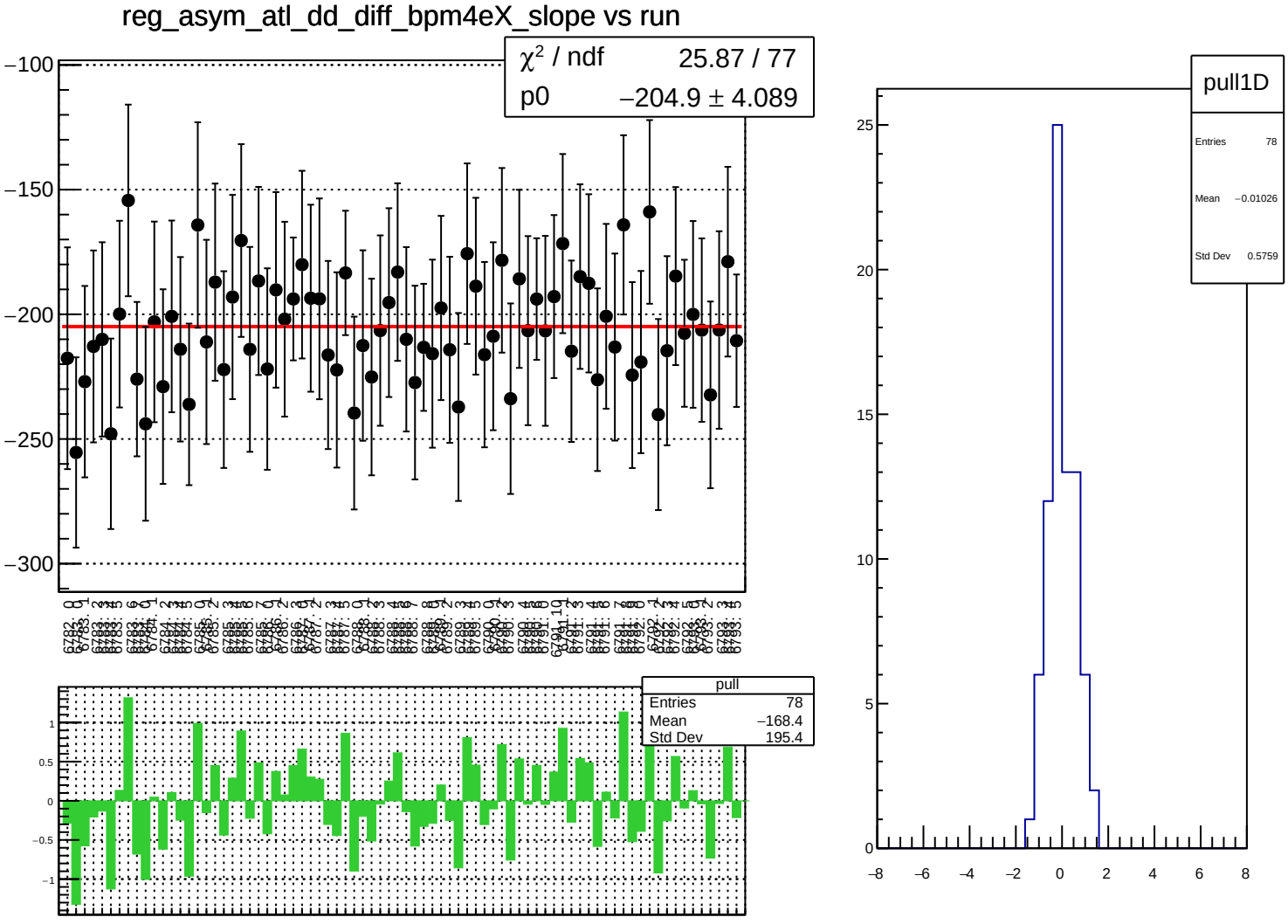

pull1D
Entries 78
Mean 0.002258
Std Dev 0.7028

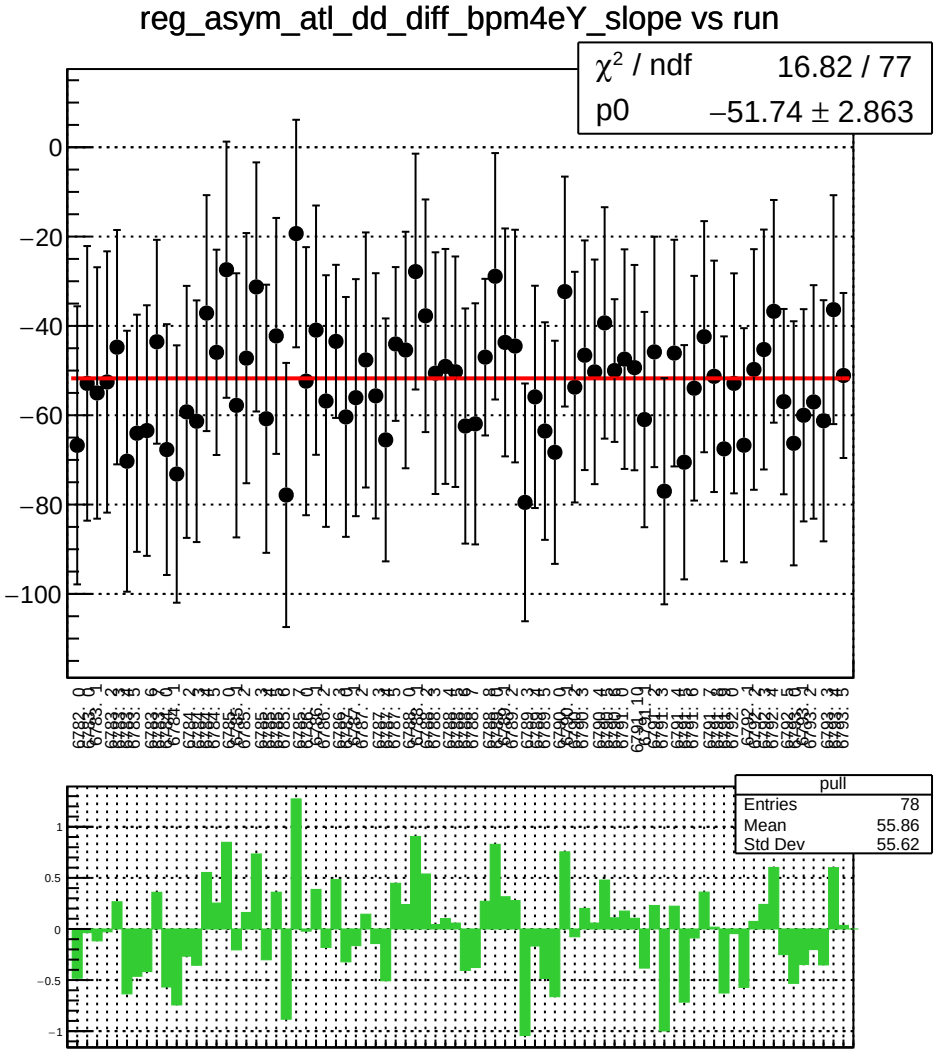

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 25.46 / 77
p0 274.3 ± 4.38
pull
Entries 78
Mean −170.3
Std Dev 197.7

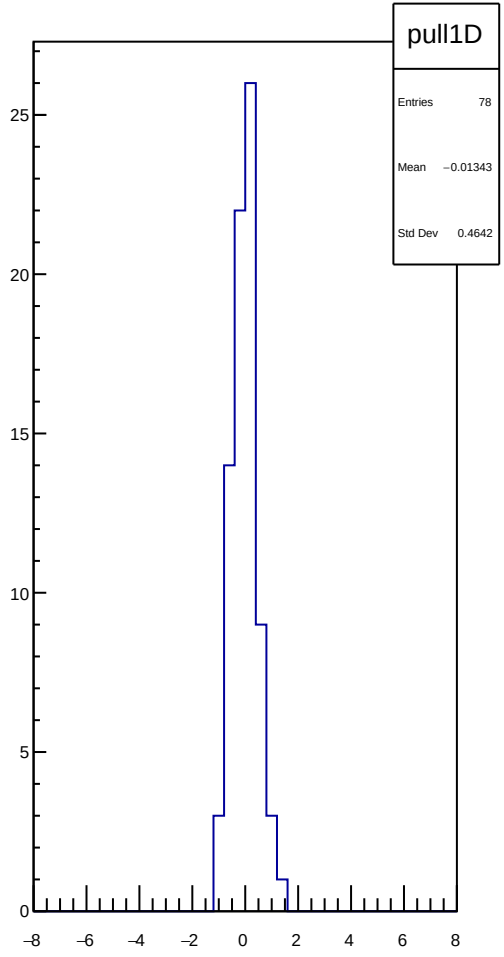

pull1D
Entries 78
Mean 0.01027
Std Dev 0.5712

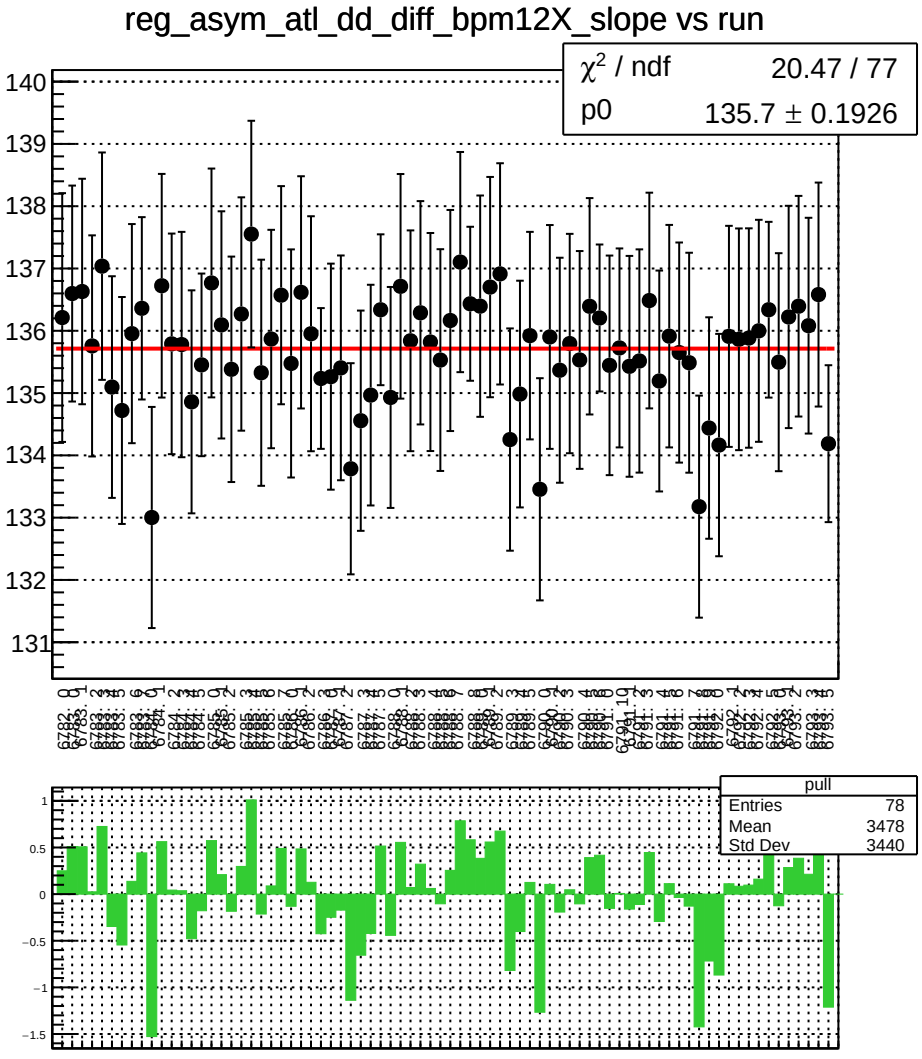

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.9 / 77
p0 −14.35 ± 2.077
pull
Entries 78
Mean 121.6
Std Dev 64.89

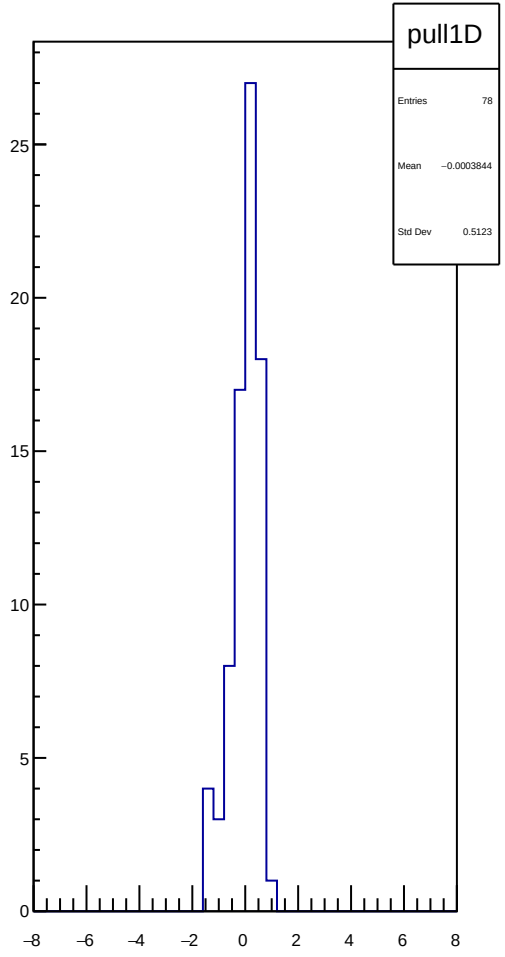

pull1D
Entries 78
Mean 0.01155
Std Dev 0.4513

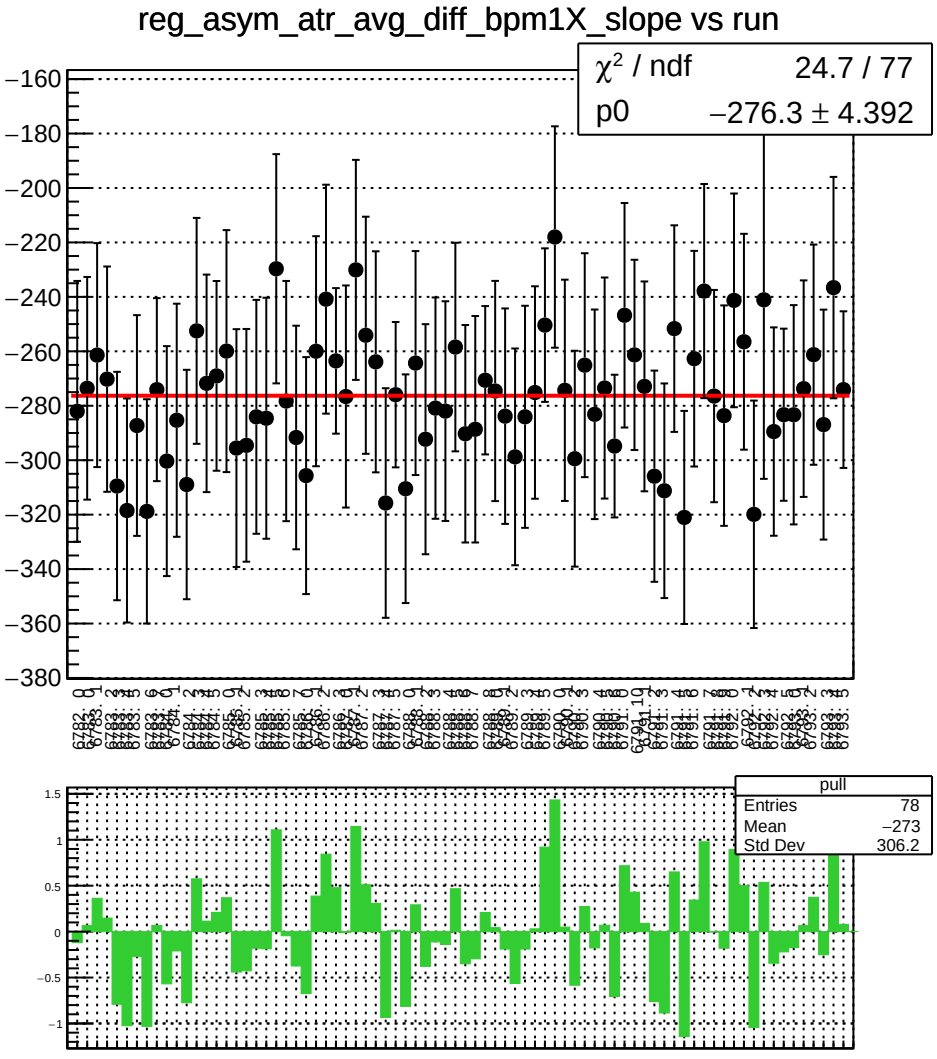

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.87 / 77
p0 −204.9 ± 4.089
pull
Entries 78
Mean −168.4
Std Dev 195.4
pull1D
Entries 78
Mean −0.01026
Std Dev 0.5759

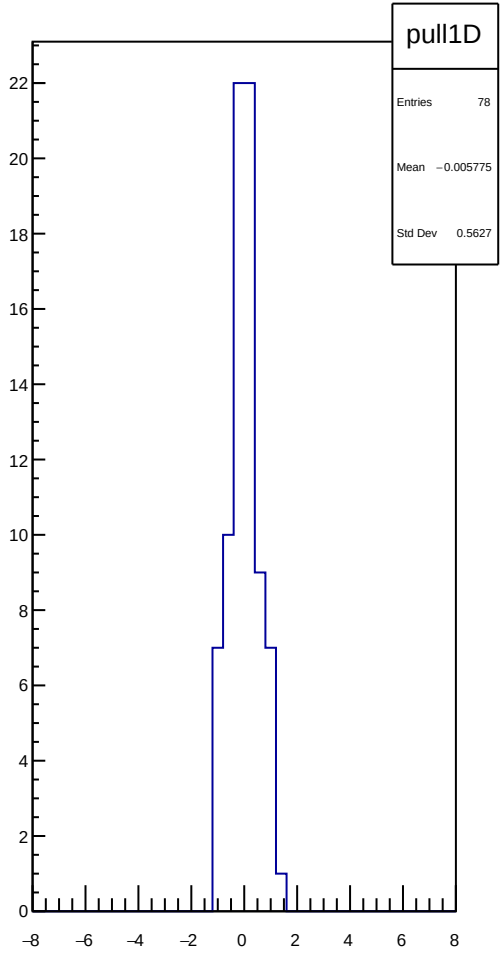

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 77
p0 −51.74 ± 2.863
pull
Entries 78
Mean 55.86
Std Dev 55.62

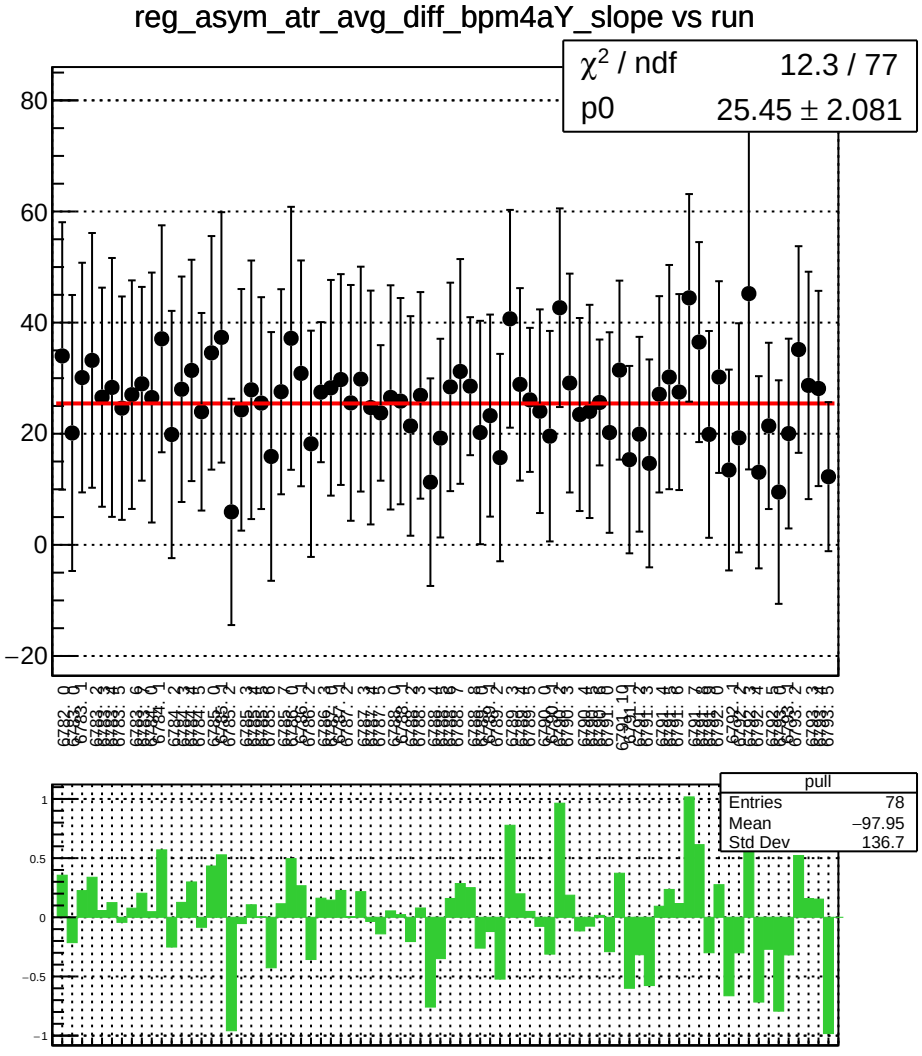

pull1D
Entries 78
Mean −0.01343
Std Dev 0.4642

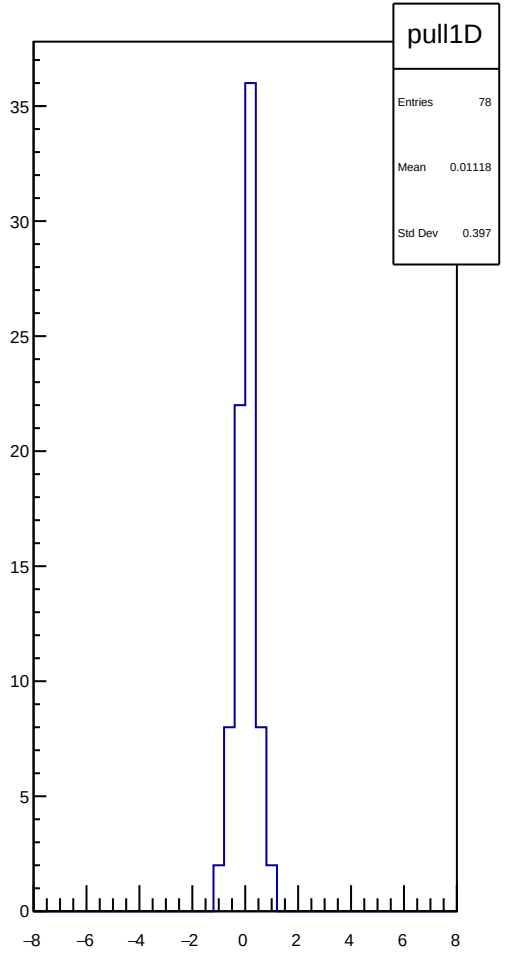

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.47 / 77
p0 135.7 ± 0.1926
pull
Entries 78
Mean 3478
Std Dev 3440

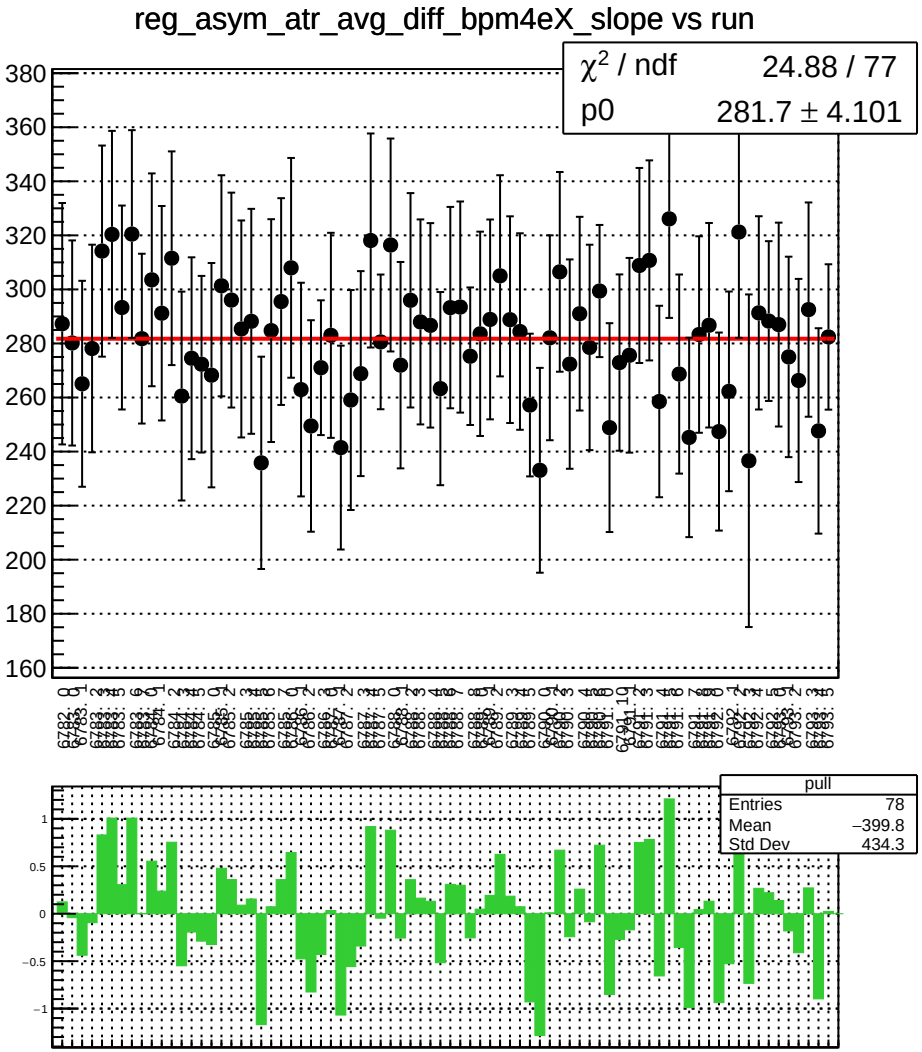

pull1D
Entries 78
Mean −0.0003844
Std Dev 0.5123

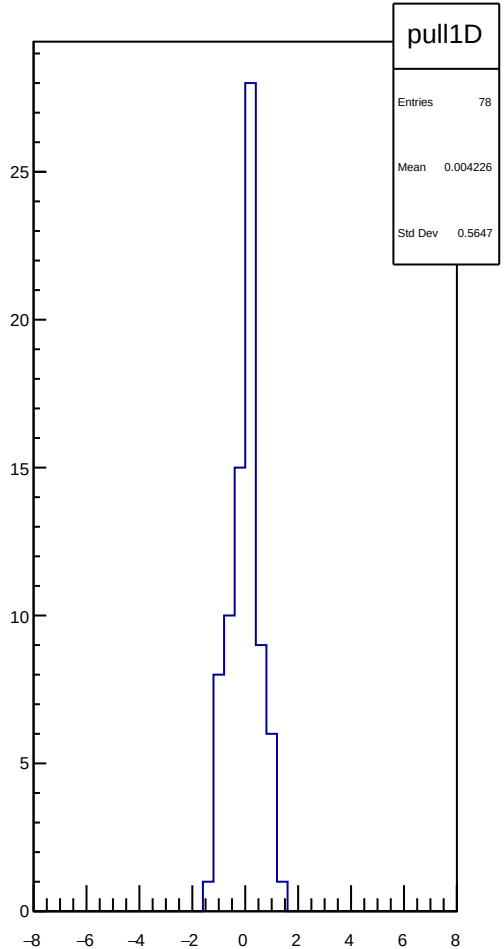

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 24.7 / 77
p0 −276.3 ± 4.392
pull
Entries 78
Mean −273
Std Dev 306.2

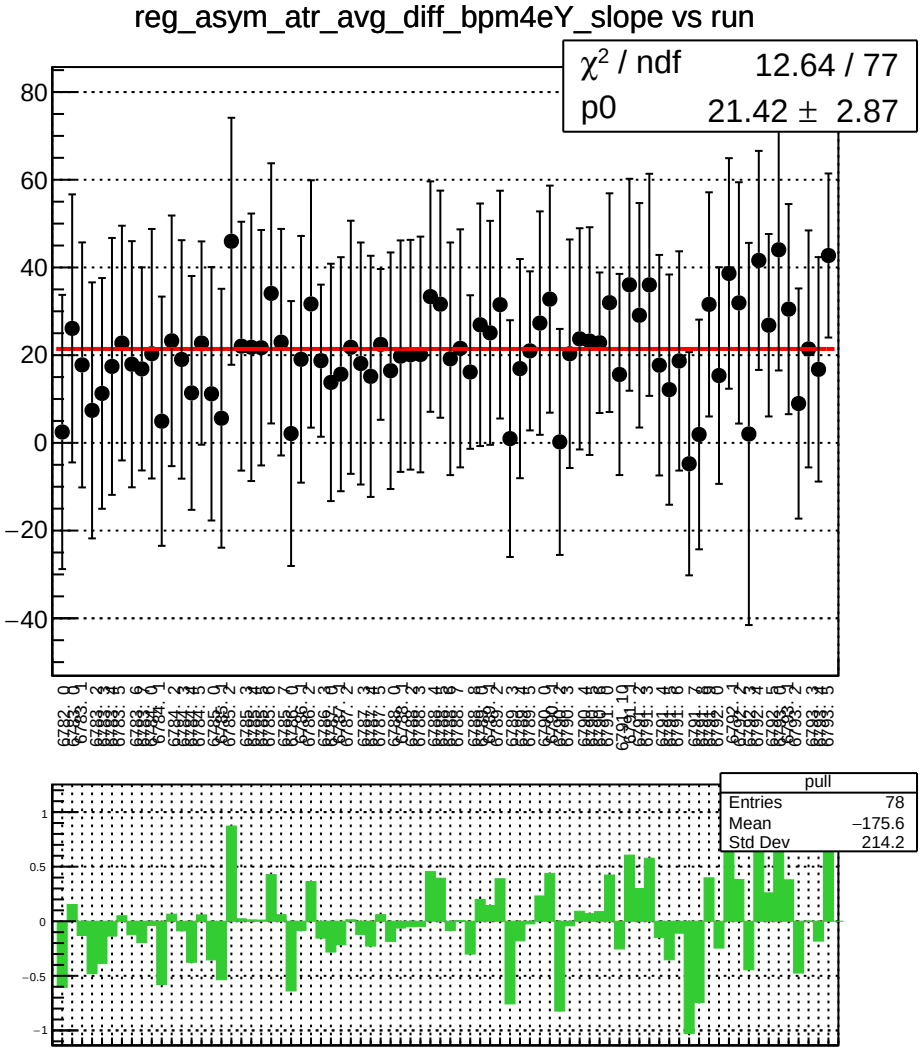

pull1D
Entries 78
Mean −0.005775
Std Dev 0.5627

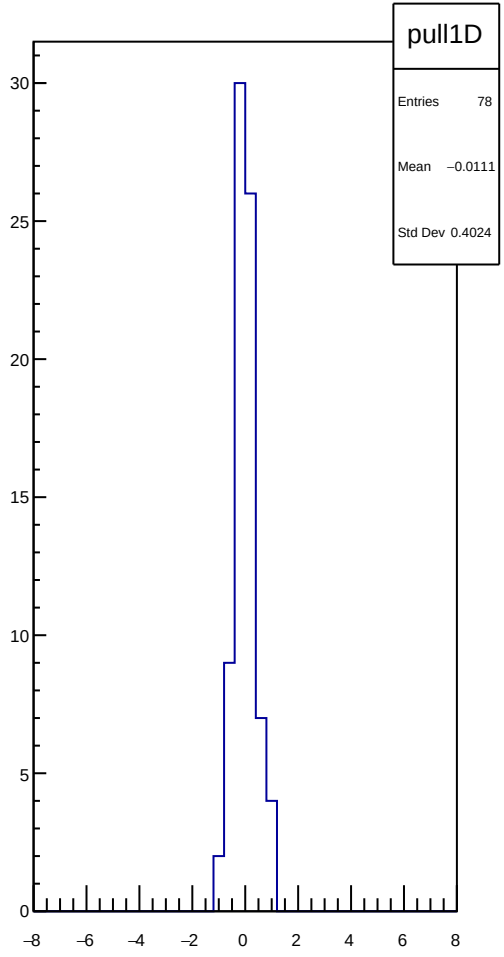

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 77
p0 25.45 ± 2.081
pull
Entries 78
Mean −97.95
Std Dev 136.7

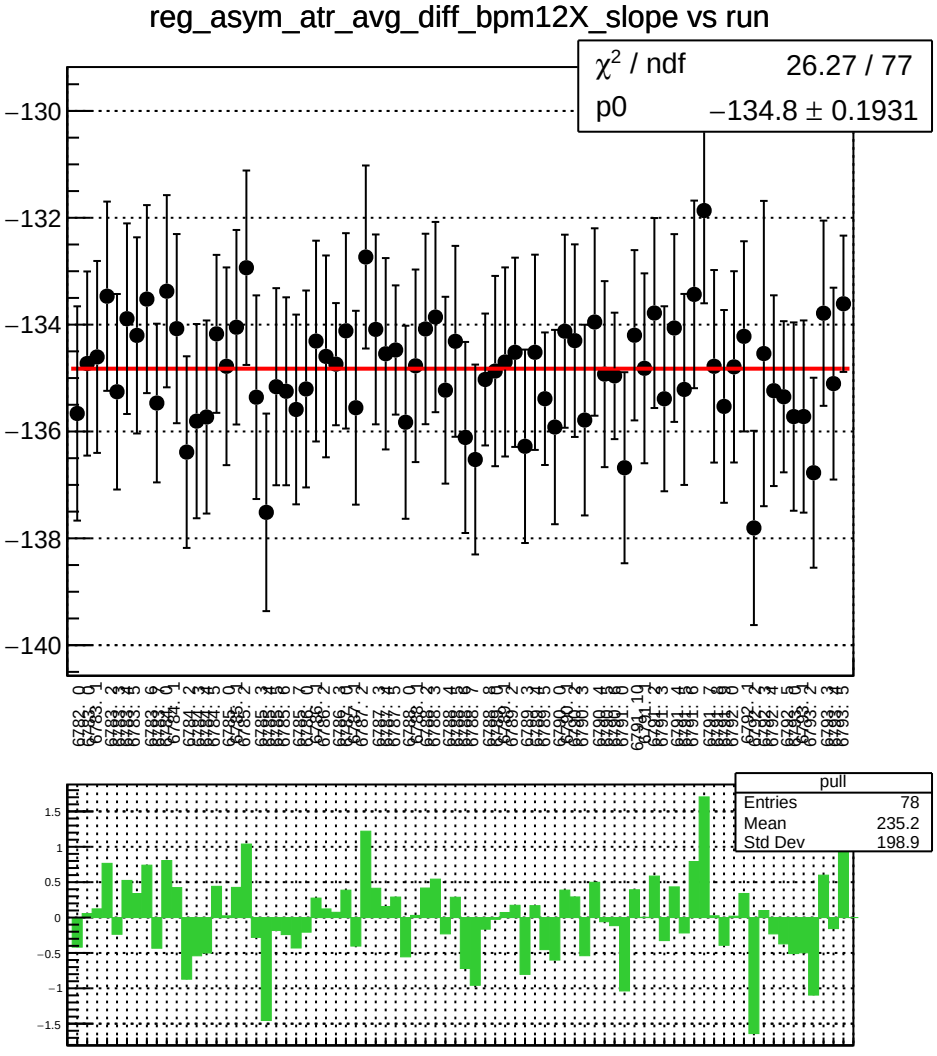

pull1D
Entries 78
Mean 0.01118
Std Dev 0.397

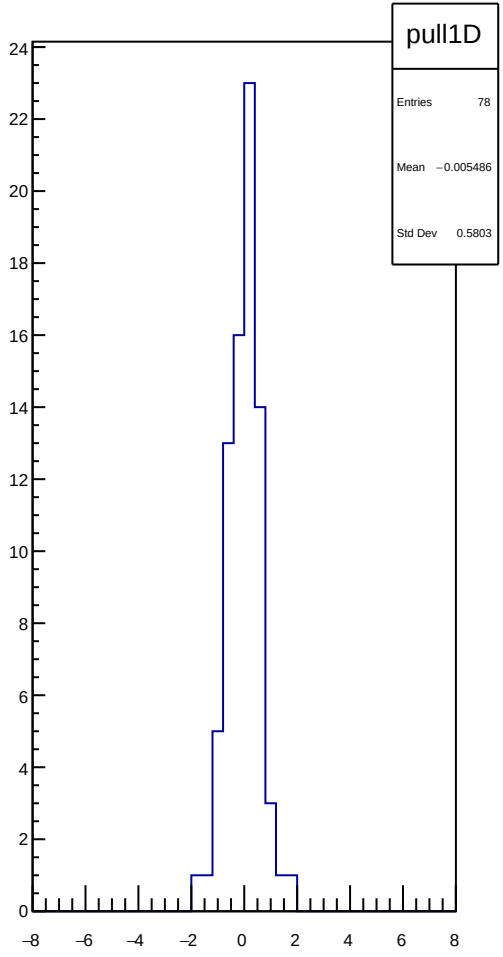

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.88 / 77
p0 281.7 ± 4.101
pull
Entries 78
Mean −399.8
Std Dev 434.3

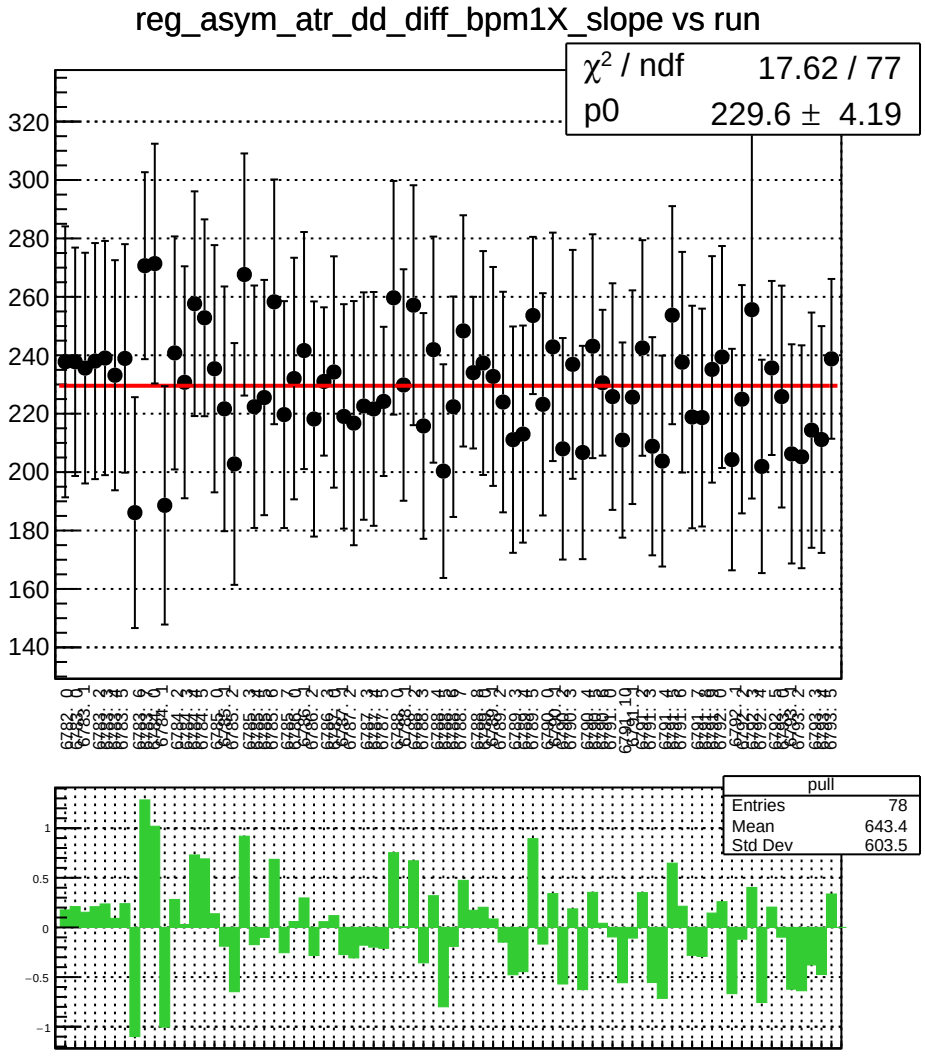

pull1D
Entries 78
Mean 0.004226
Std Dev 0.5647

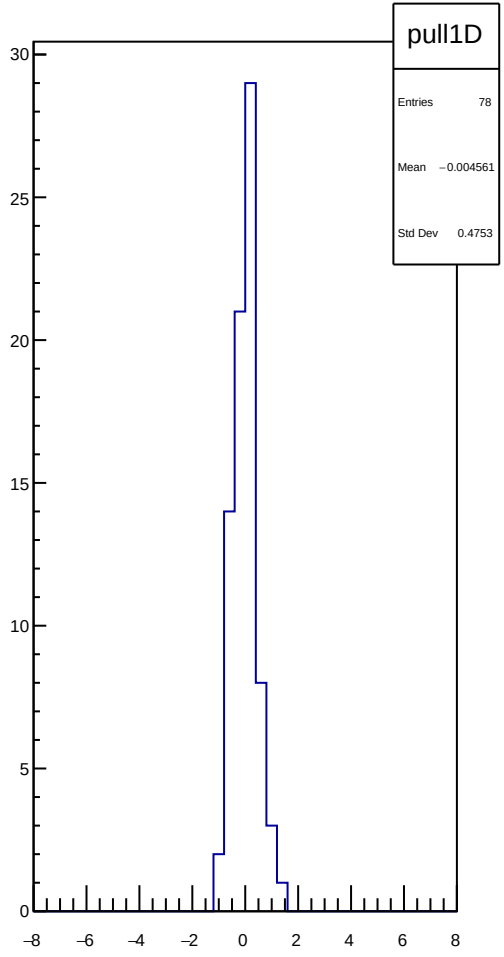

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.64 / 77
p0 21.42 ± 2.87
pull
Entries 78
Mean −175.6
Std Dev 214.2

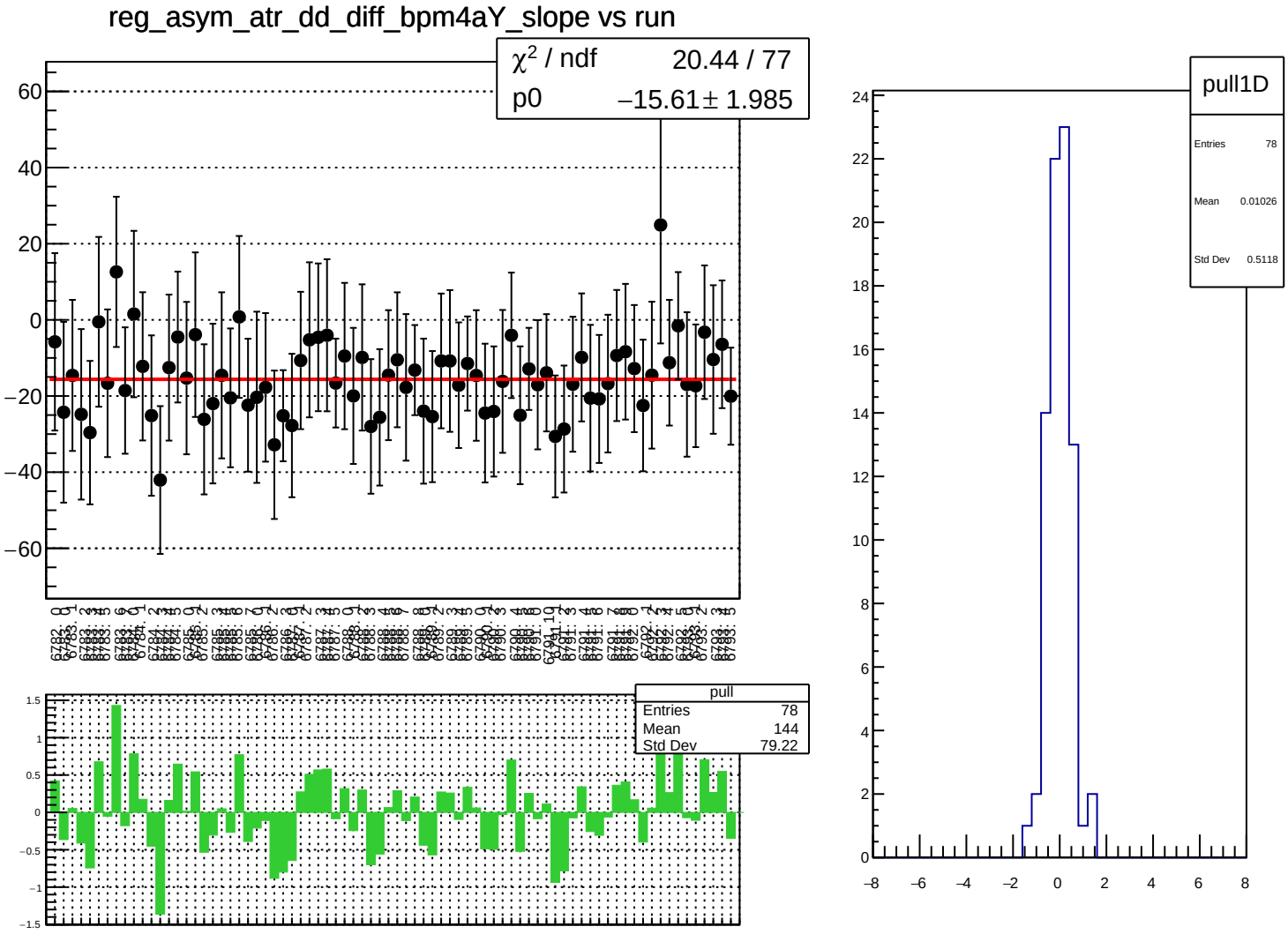

pull1D
Entries 78
Mean −0.0111
Std Dev 0.4024

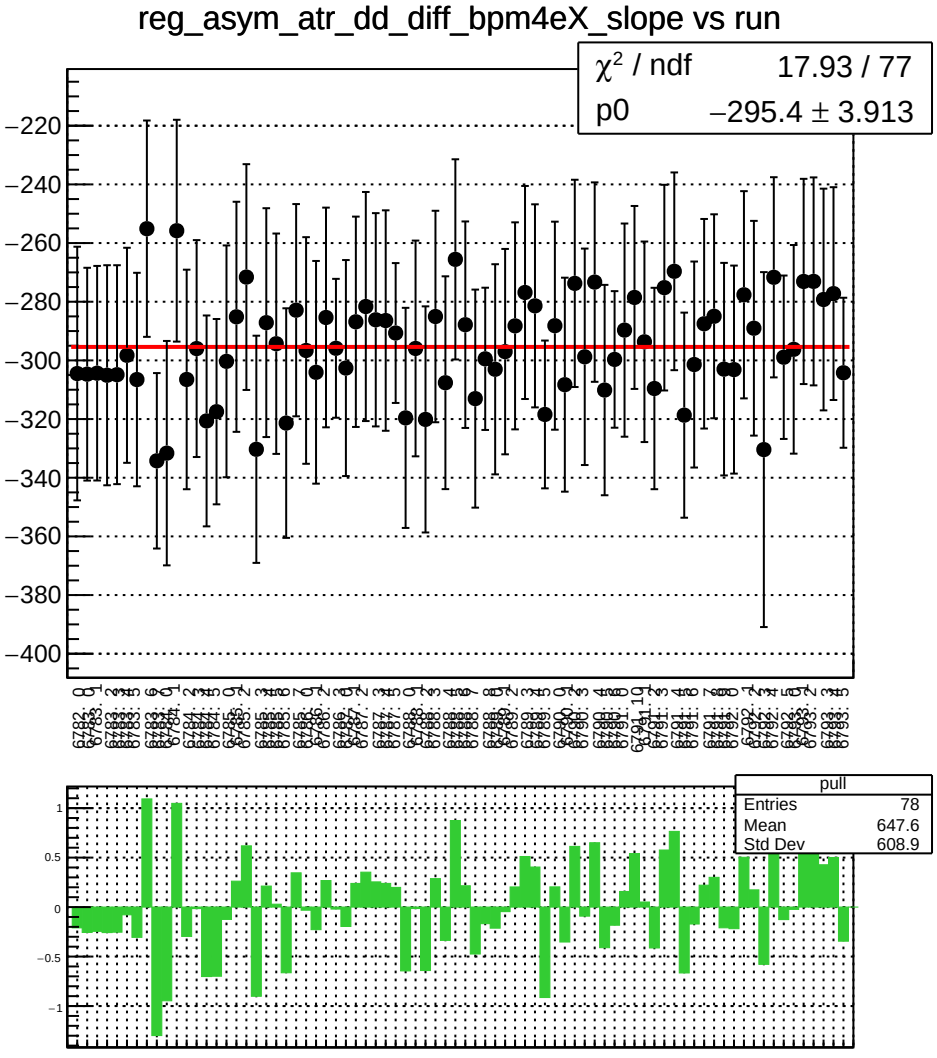

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 26.27 / 77
p0 −134.8 ± 0.1931
pull
Entries 78
Mean 235.2
Std Dev 198.9

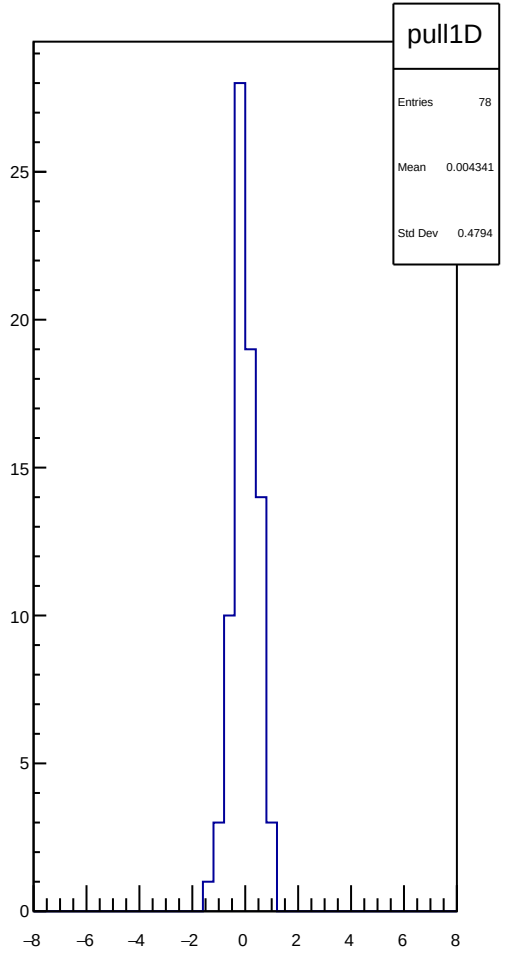

pull1D
Entries 78
Mean −0.005486
Std Dev 0.5803

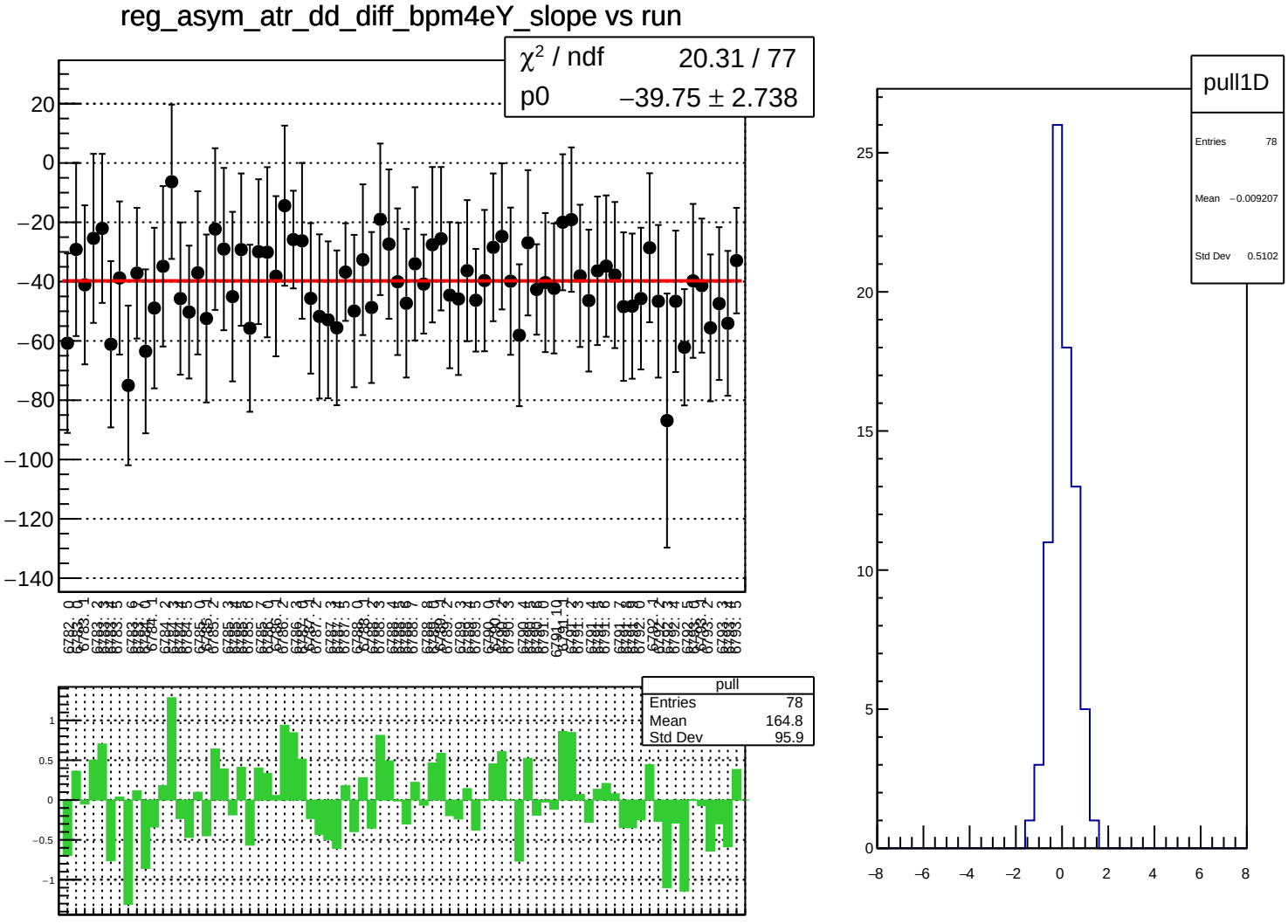

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 17.62 / 77
p0 229.6 ± 4.19
pull
Entries 78
Mean 643.4
Std Dev 603.5

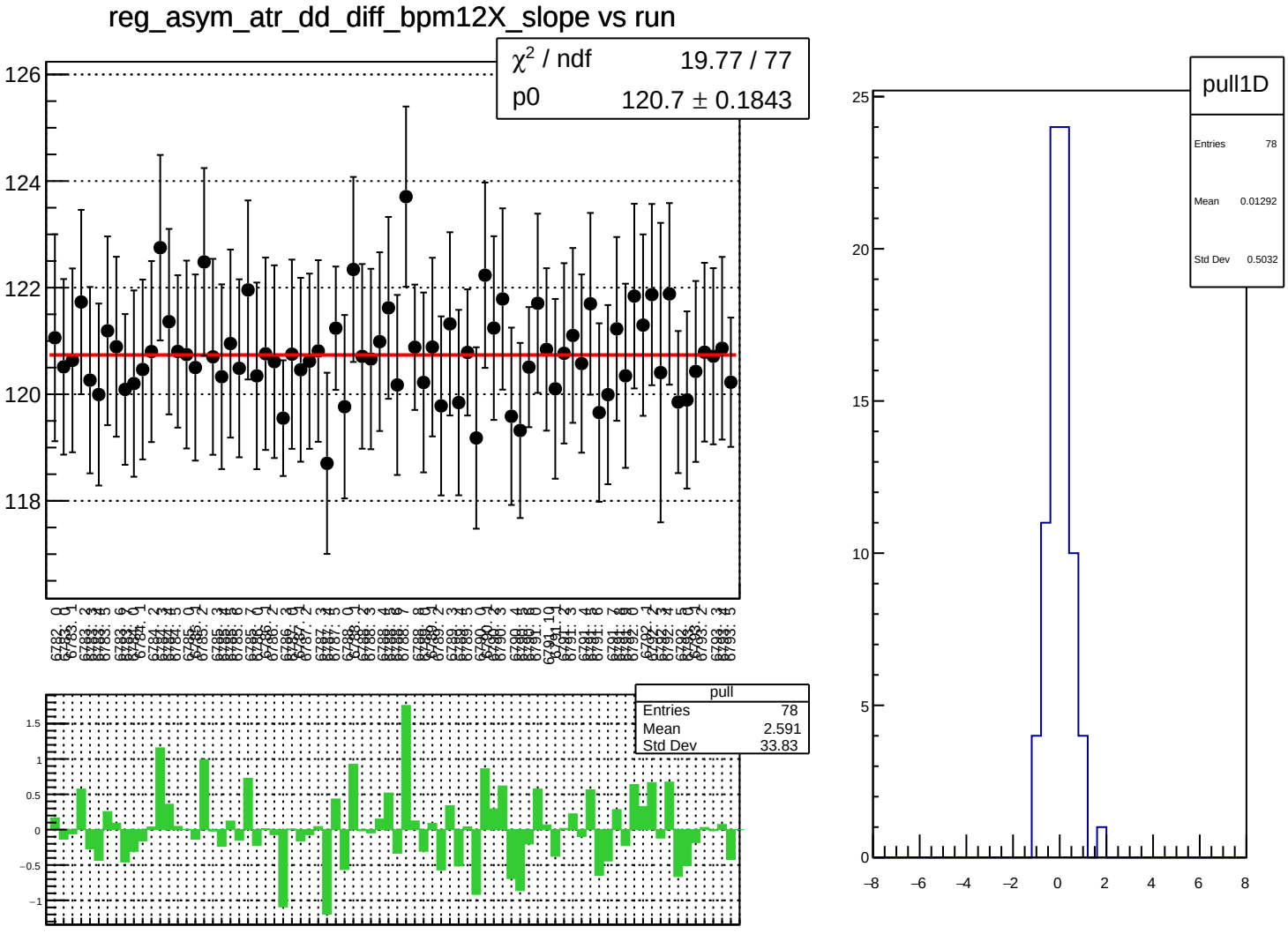

pull1D
Entries 78
Mean −0.004561
Std Dev 0.4753

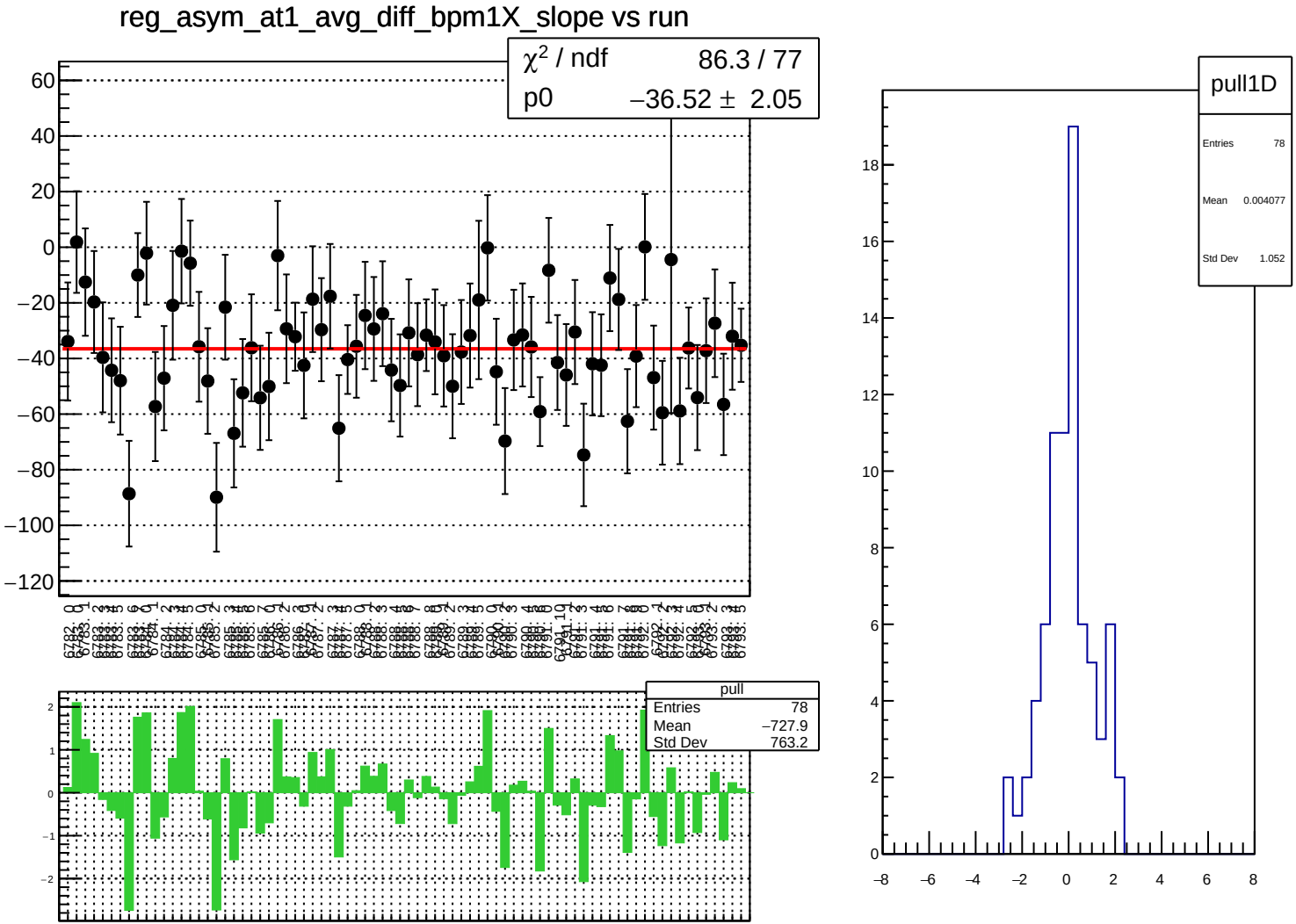

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.44 / 77
p0 −15.61 ± 1.985
pull
Entries 78
Mean 144
Std Dev 79.22
pull1D
Entries 78
Mean 0.01026
Std Dev 0.5118

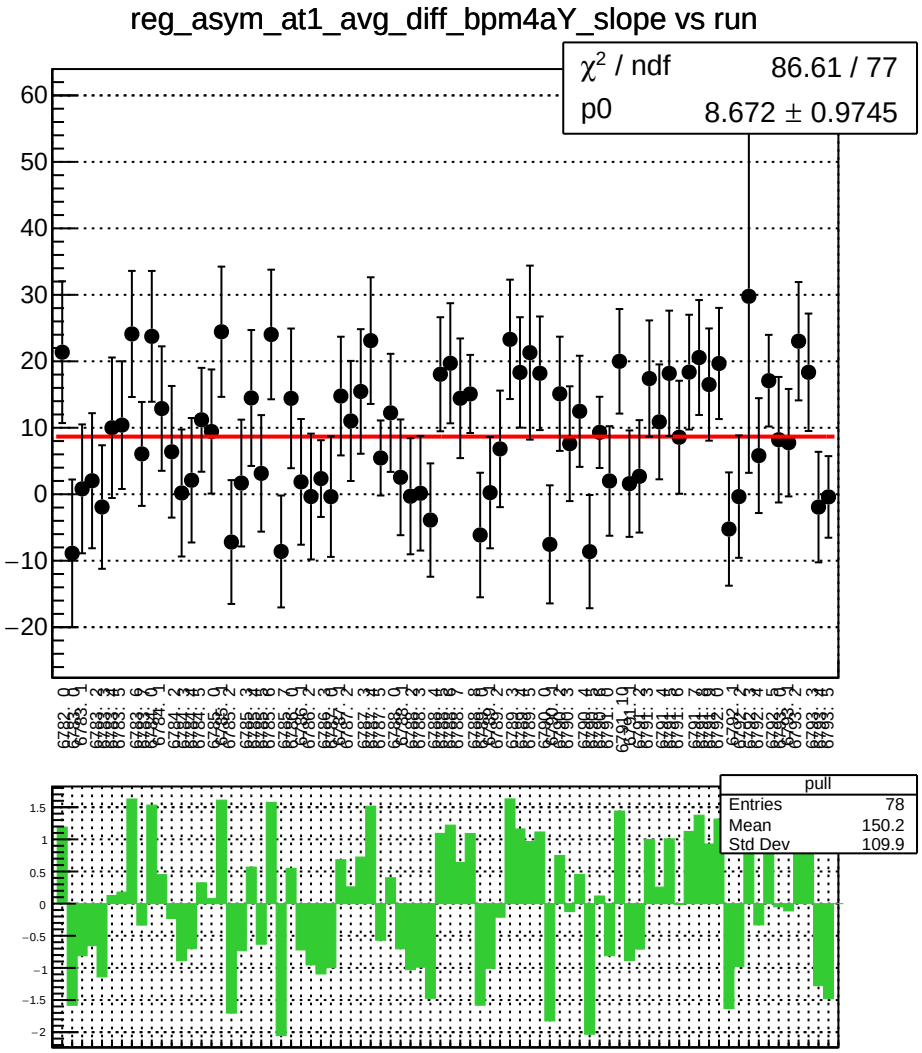

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 17.93 / 77
p0 −295.4 ± 3.913
pull
Entries 78
Mean 647.6
Std Dev 608.9

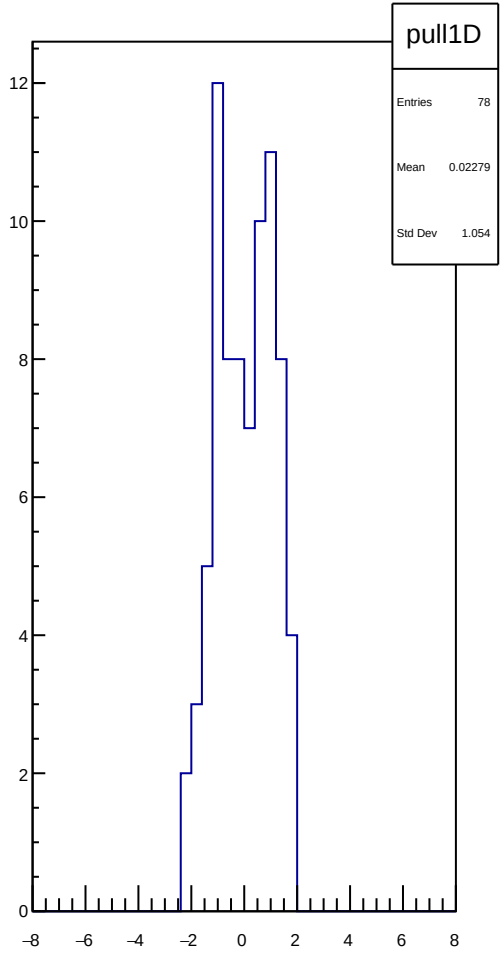

pull1D
Entries 78
Mean 0.004341
Std Dev 0.4794

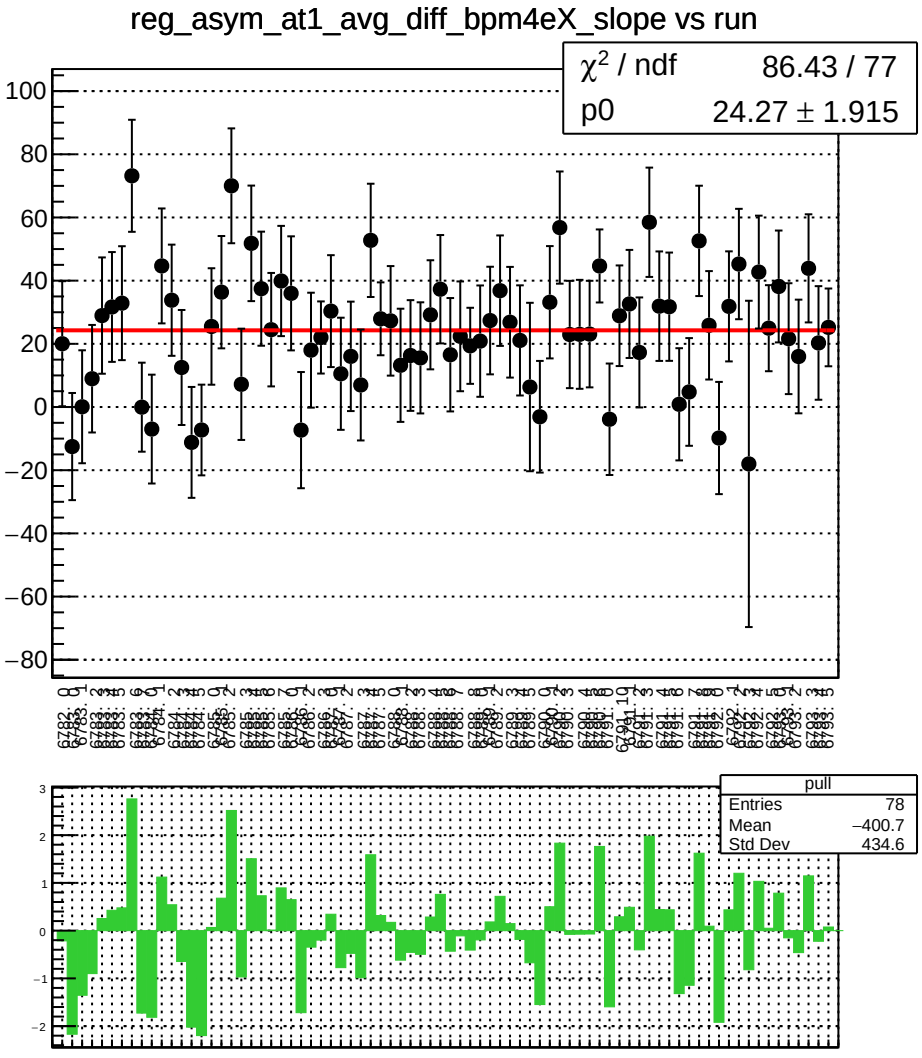

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.31 / 77
p0 −39.75 ± 2.738
pull
Entries 78
Mean 164.8
Std Dev 95.9
pull1D
Entries 78
Mean −0.009207
Std Dev 0.5102

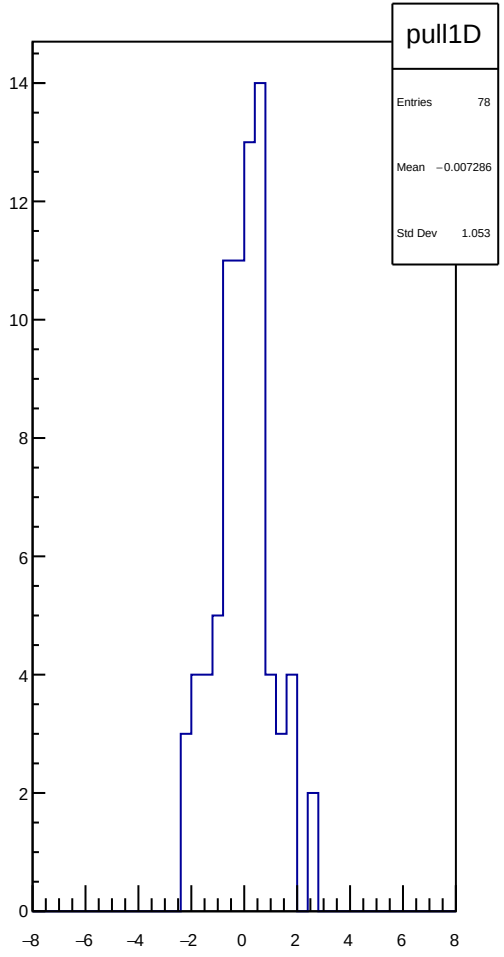

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.77 / 77
p0 120.7 ± 0.1843
126
124
122
120
118
pull
Entries 78
Mean 2.591
Std Dev 33.83
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean 0.01292
Std Dev 0.5032
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

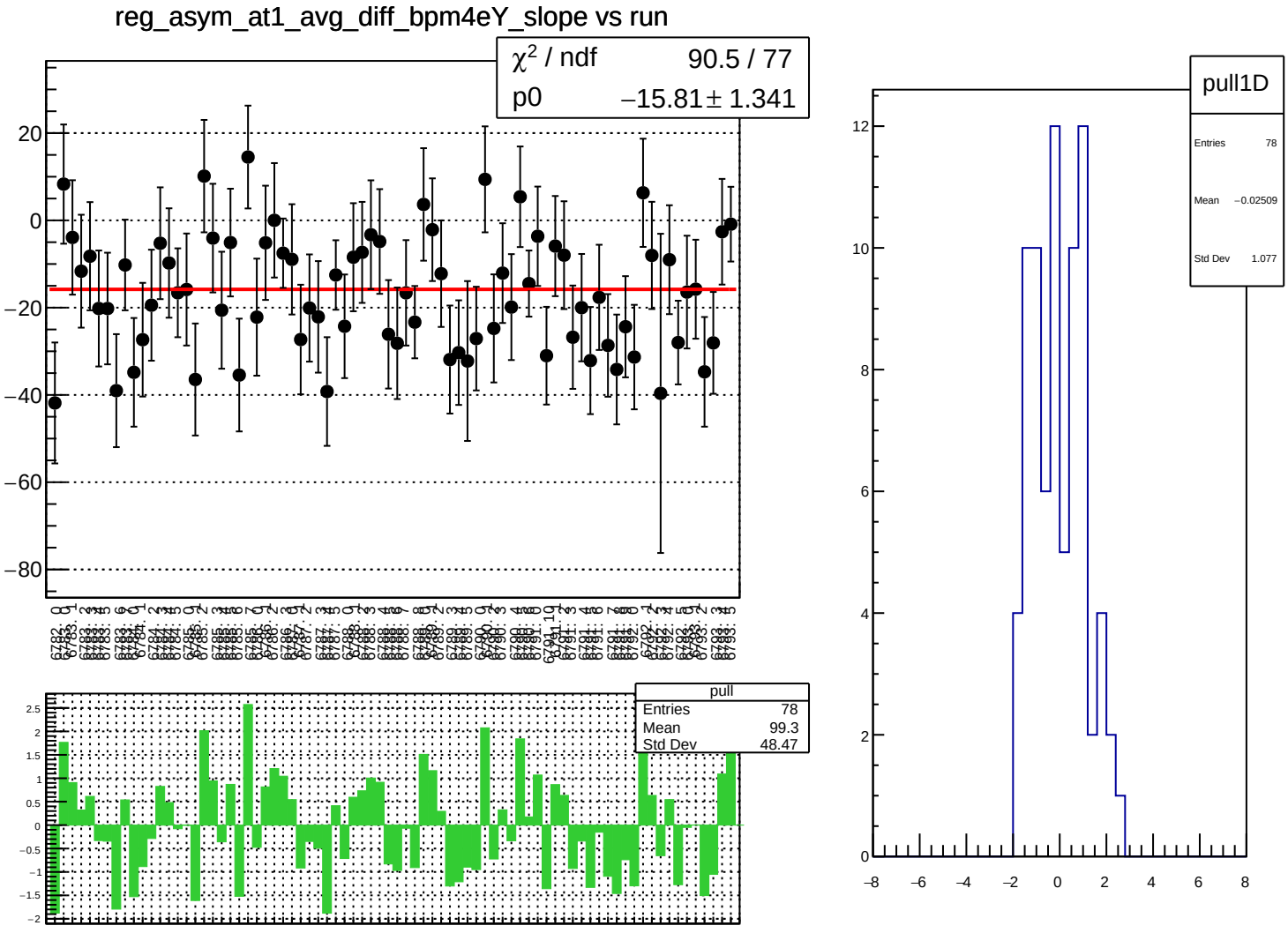

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 86.3 / 77
p0 −36.52 ± 2.05
pull
Entries 78
Mean −727.9
Std Dev 763.2
pull1D
Entries 78
Mean 0.004077
Std Dev 1.052

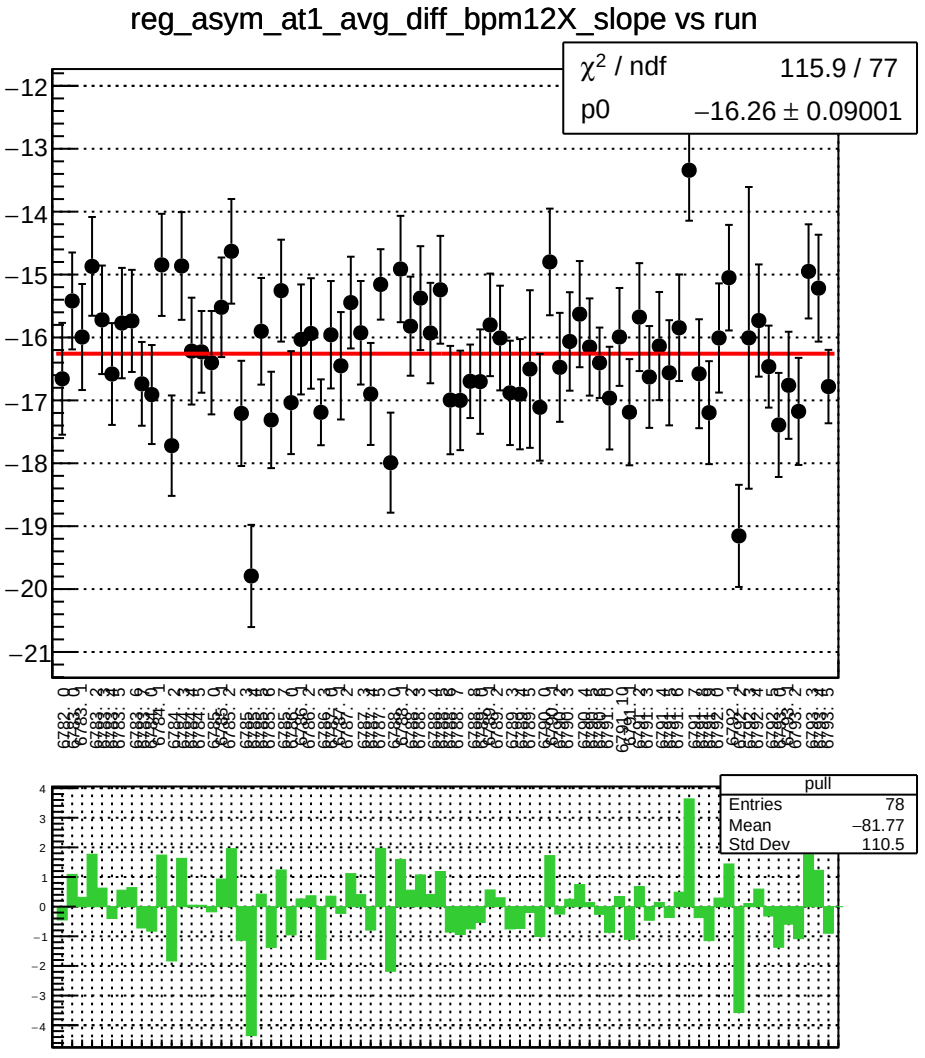

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 86.61 / 77
p0 8.672 ± 0.9745
pull
Entries 78
Mean 150.2
Std Dev 109.9

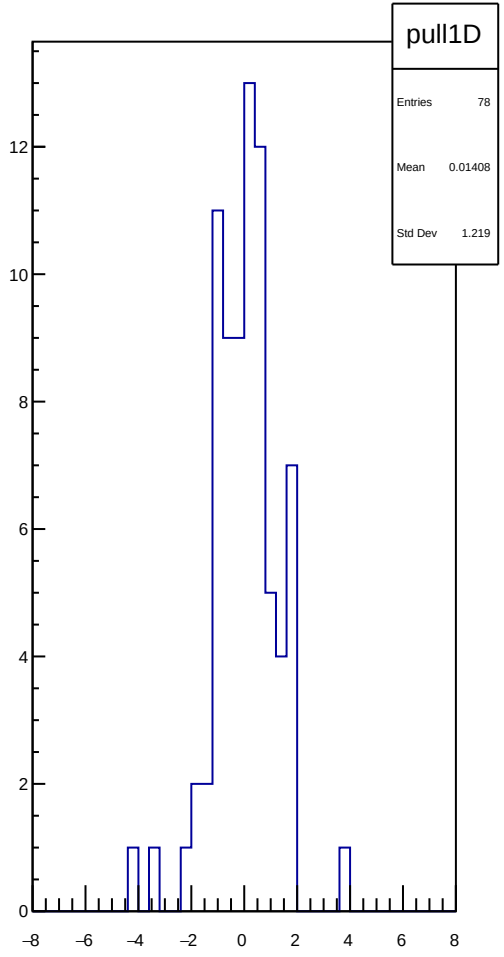

pull1D
Entries 78
Mean 0.02279
Std Dev 1.054

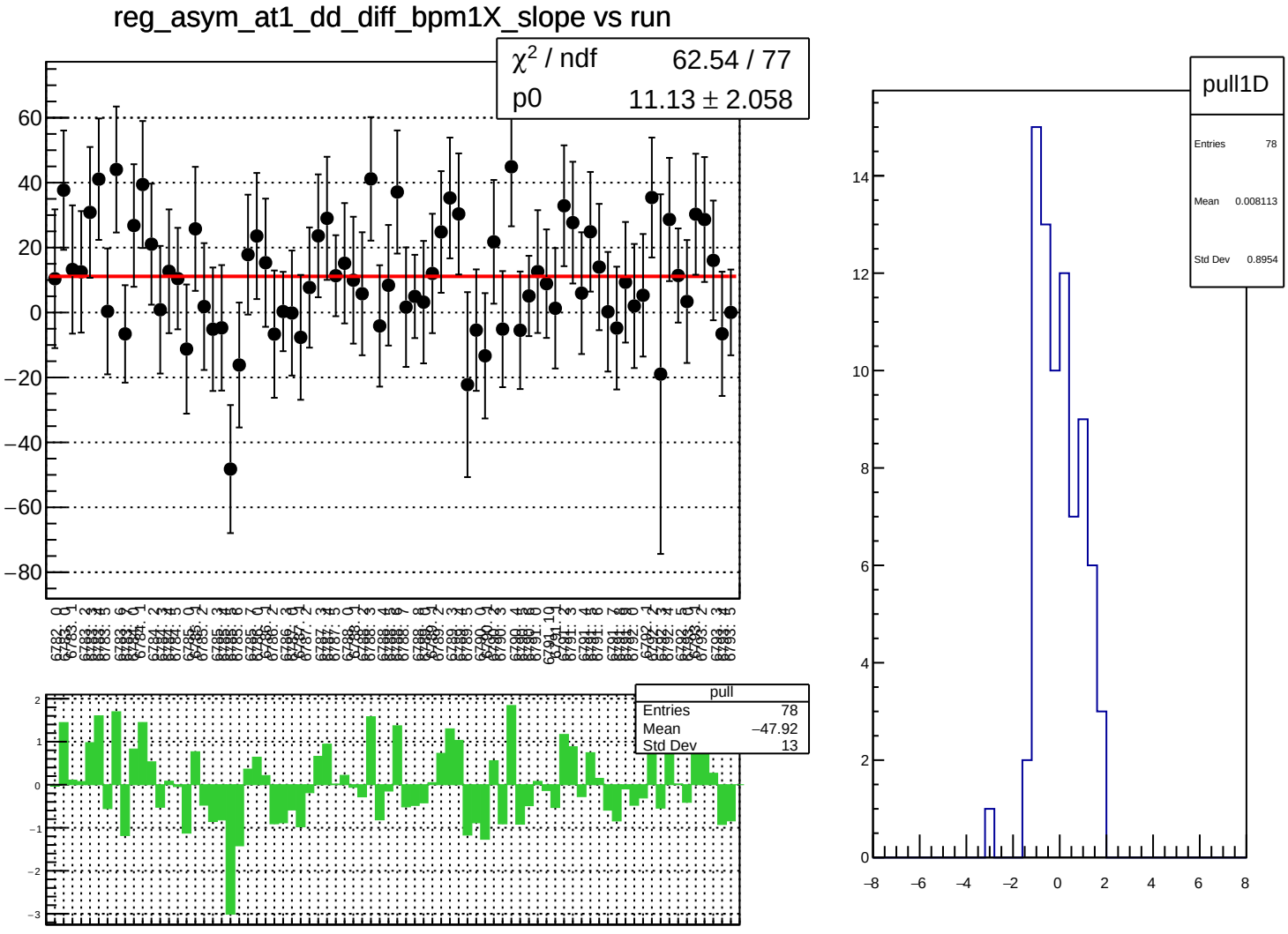

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.43 / 77
p0 24.27 ± 1.915
pull
Entries 78
Mean −400.7
Std Dev 434.6

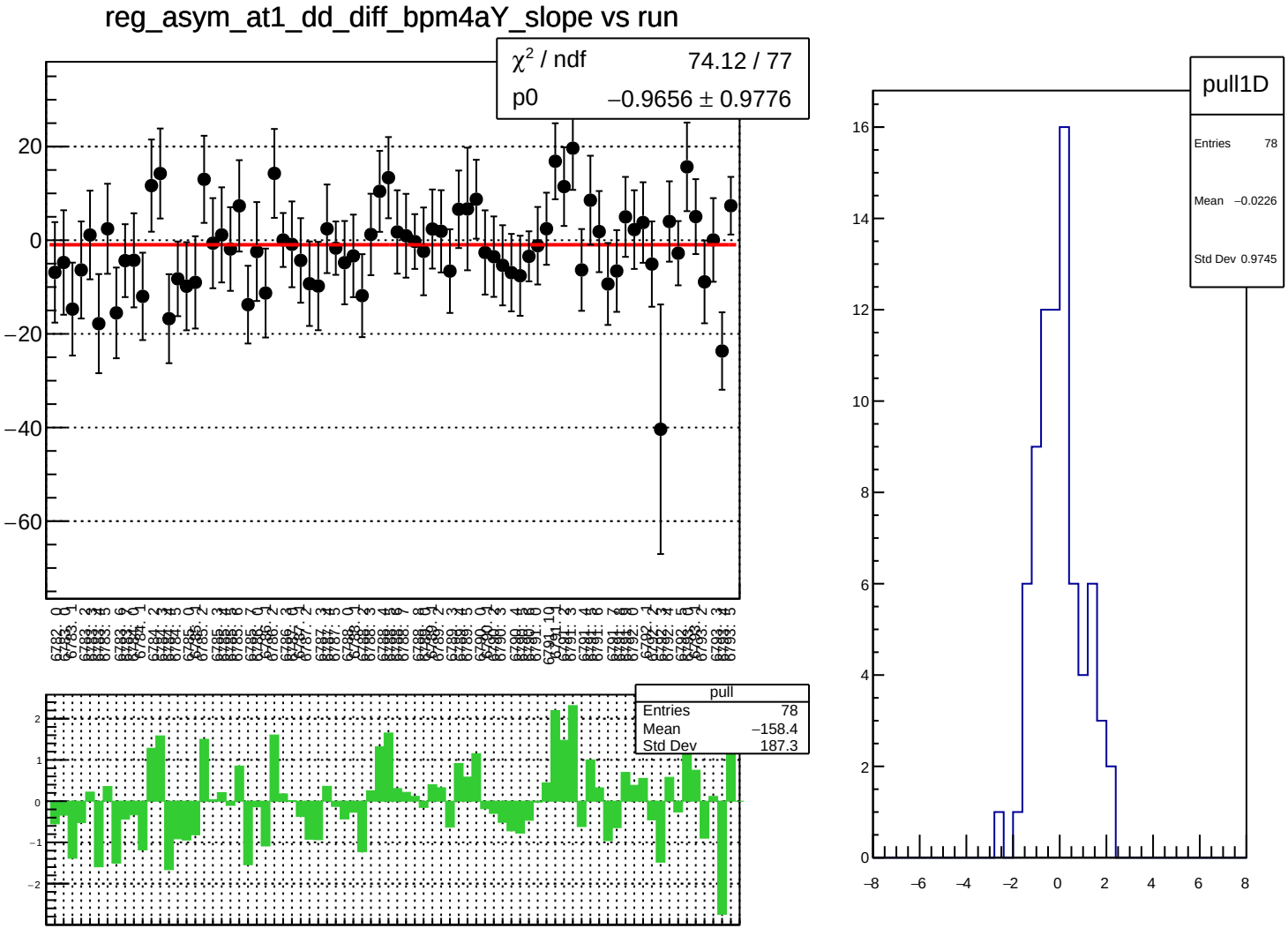

pull1D
Entries 78
Mean −0.007286
Std Dev 1.053

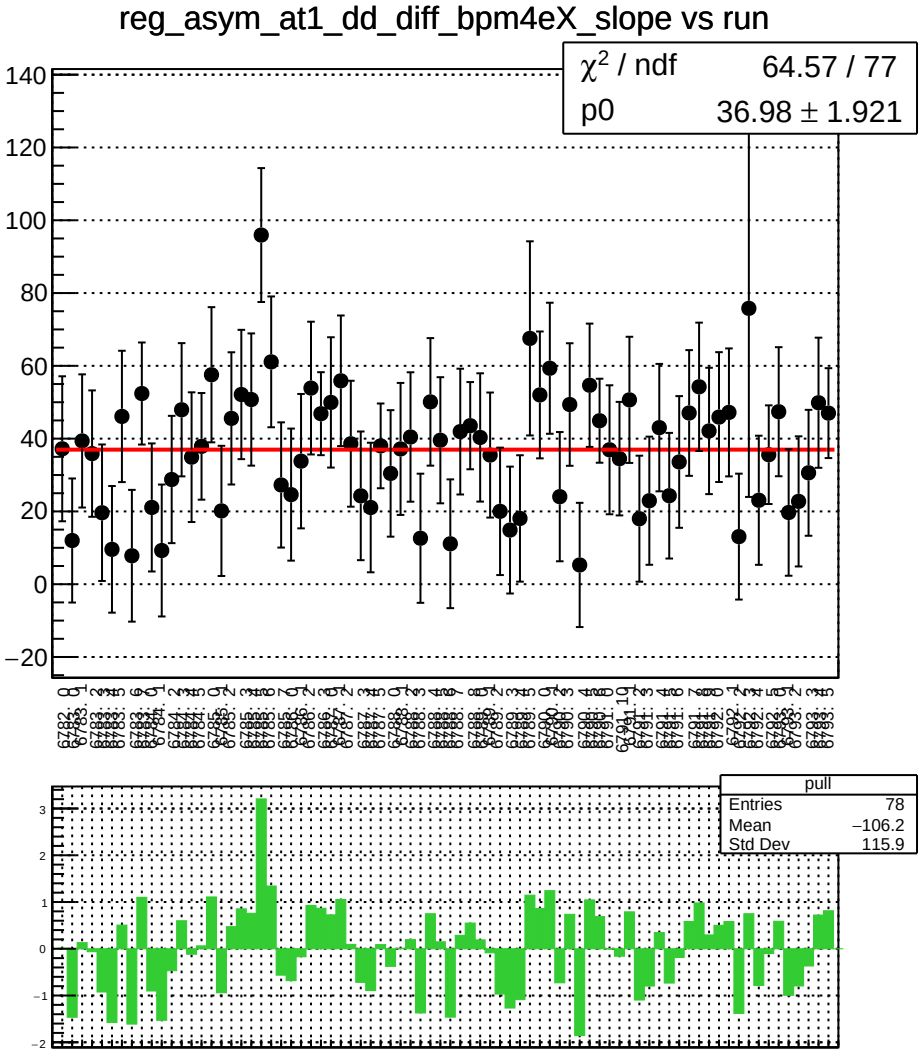

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 90.5 / 77
p0 −15.81 ± 1.341
pull
Entries 78
Mean 99.3
Std Dev 48.47
pull1D
Entries 78
Mean −0.02509
Std Dev 1.077

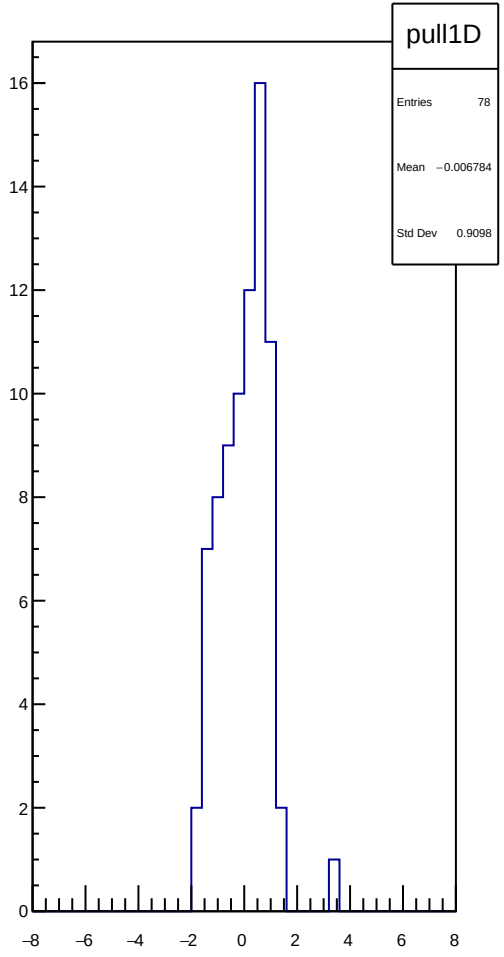

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 115.9 / 77
p0 −16.26 ± 0.09001
pull
Entries 78
Mean −81.77
Std Dev 110.5

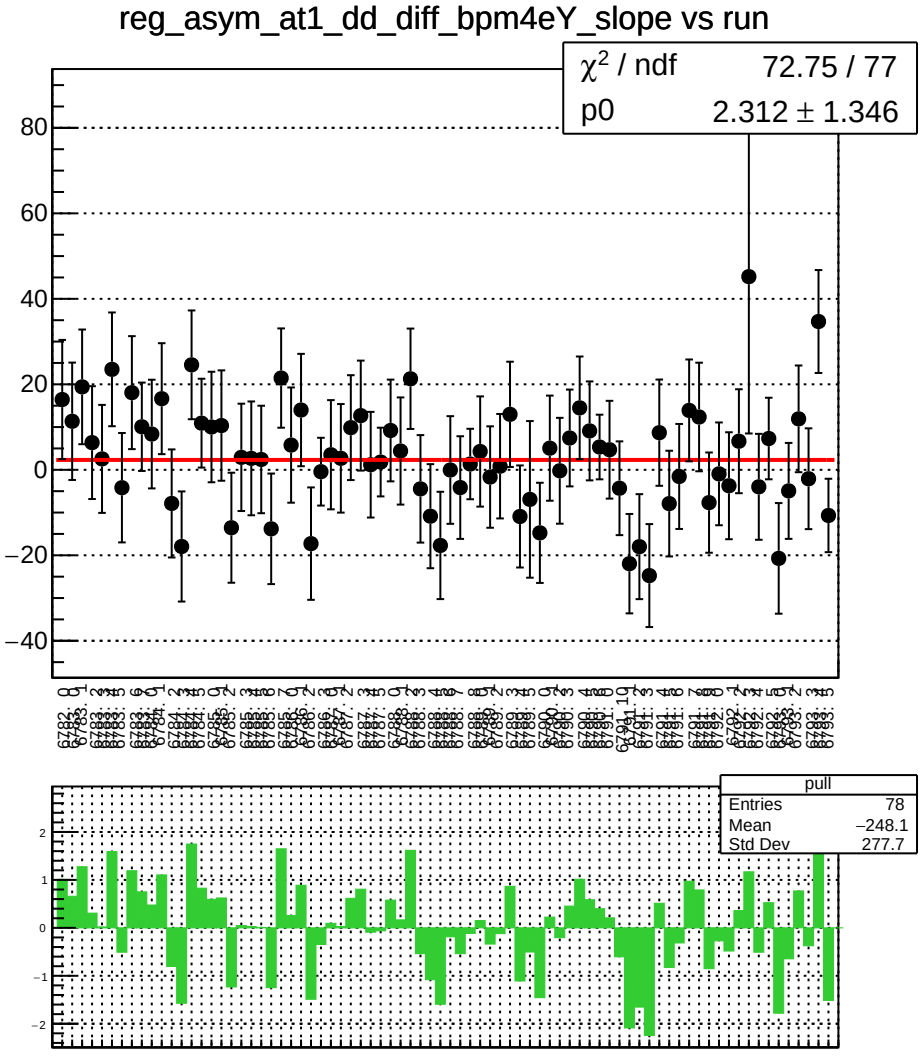

pull1D
Entries 78
Mean 0.01408
Std Dev 1.219

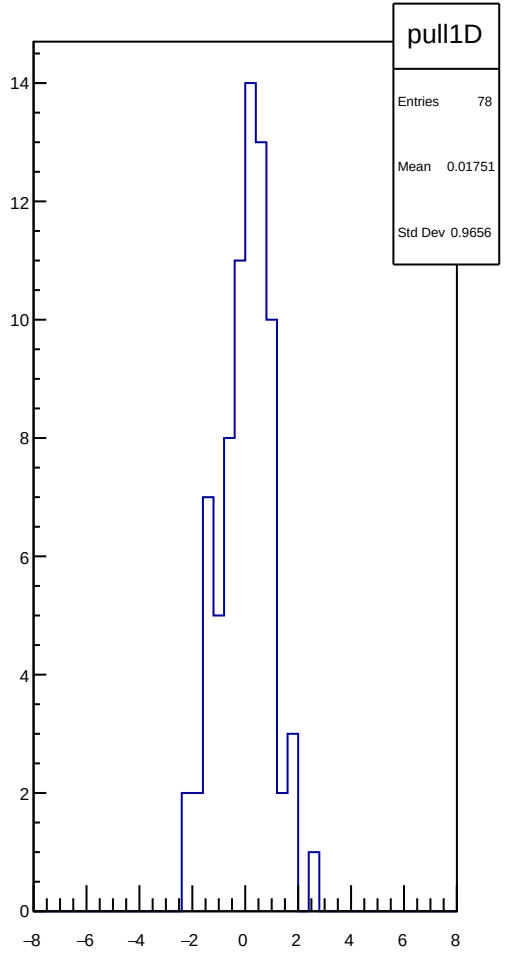

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.54 / 77
p0 11.13 ± 2.058
pull
Entries 78
Mean −47.92
Std Dev 13
pull1D
Entries 78
Mean 0.008113
Std Dev 0.8954

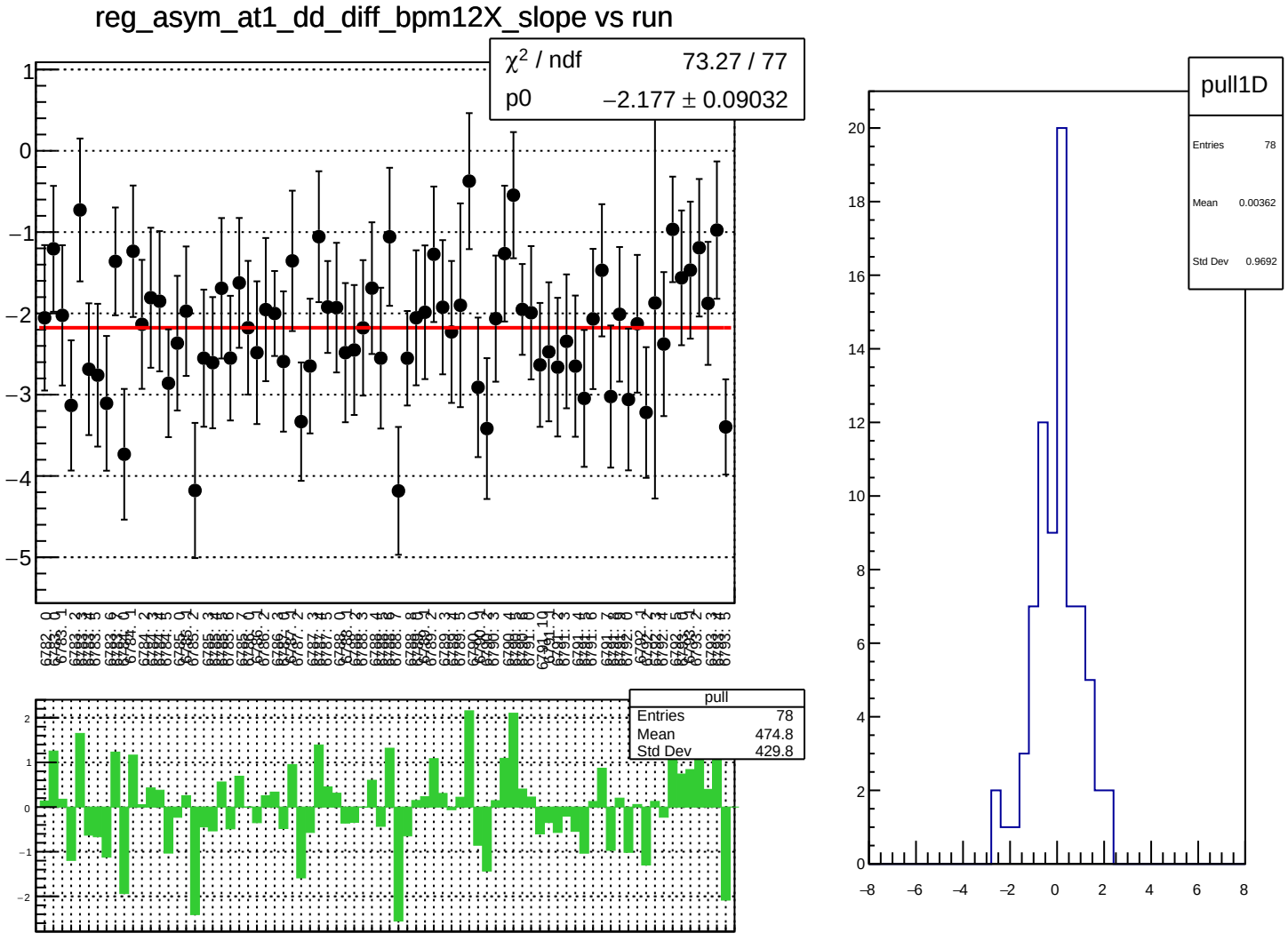

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 74.12 / 77
p0 −0.9656 ± 0.9776
pull
Entries 78
Mean −158.4
Std Dev 187.3
pull1D
Entries 78
Mean −0.0226
Std Dev 0.9745

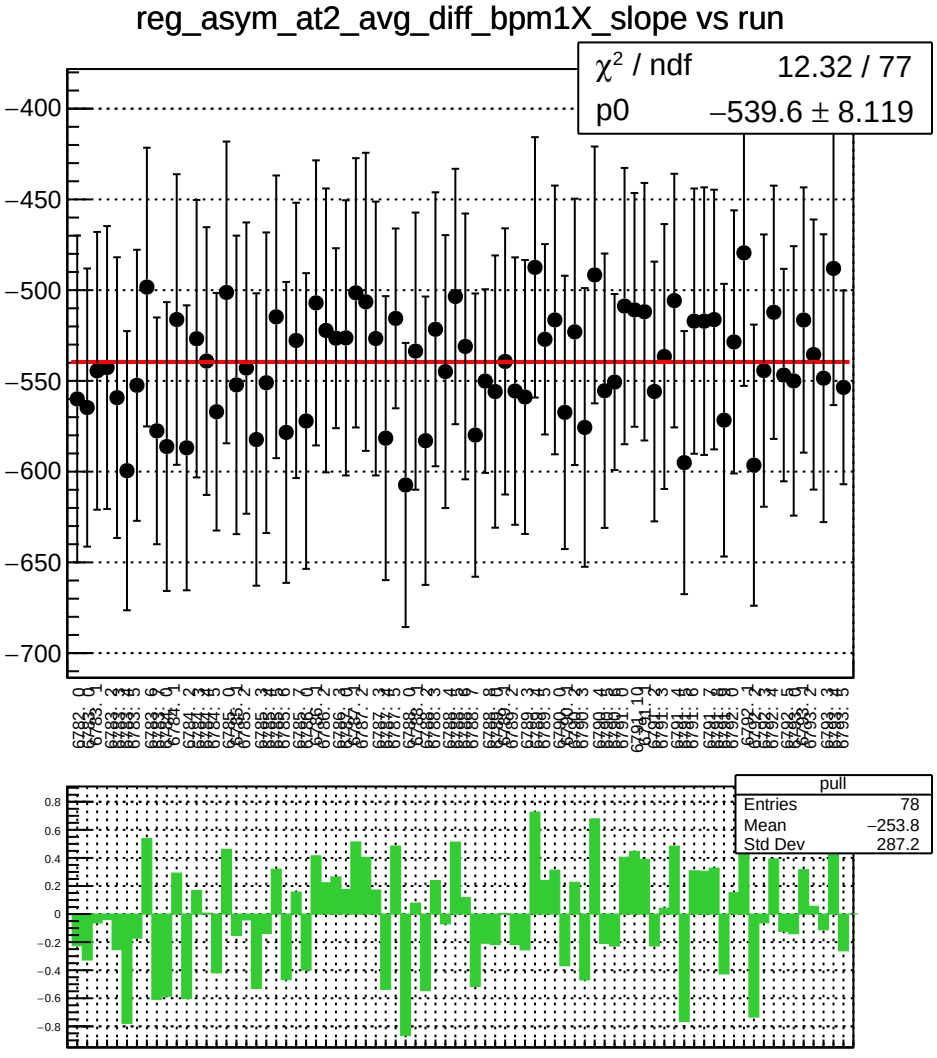

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.57 / 77
p0 36.98 ± 1.921
pull
Entries 78
Mean −106.2
Std Dev 115.9

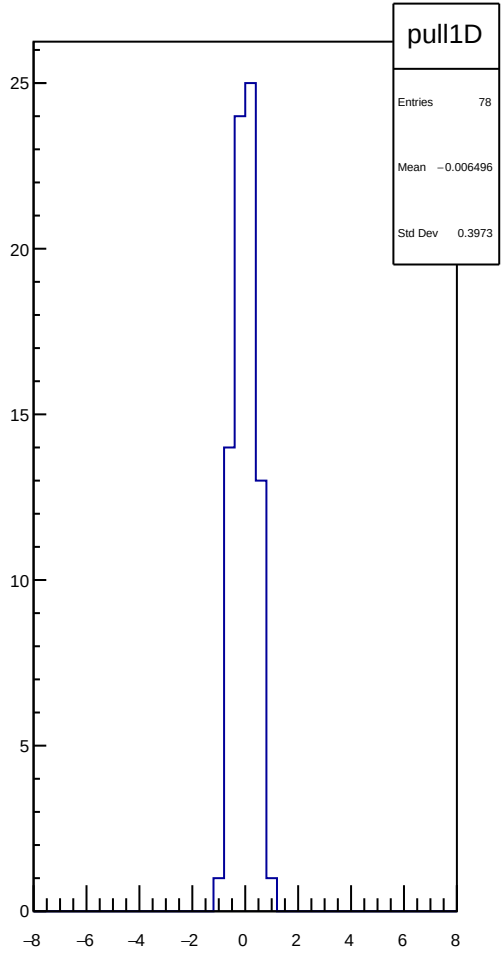

pull1D
Entries 78
Mean −0.006784
Std Dev 0.9098

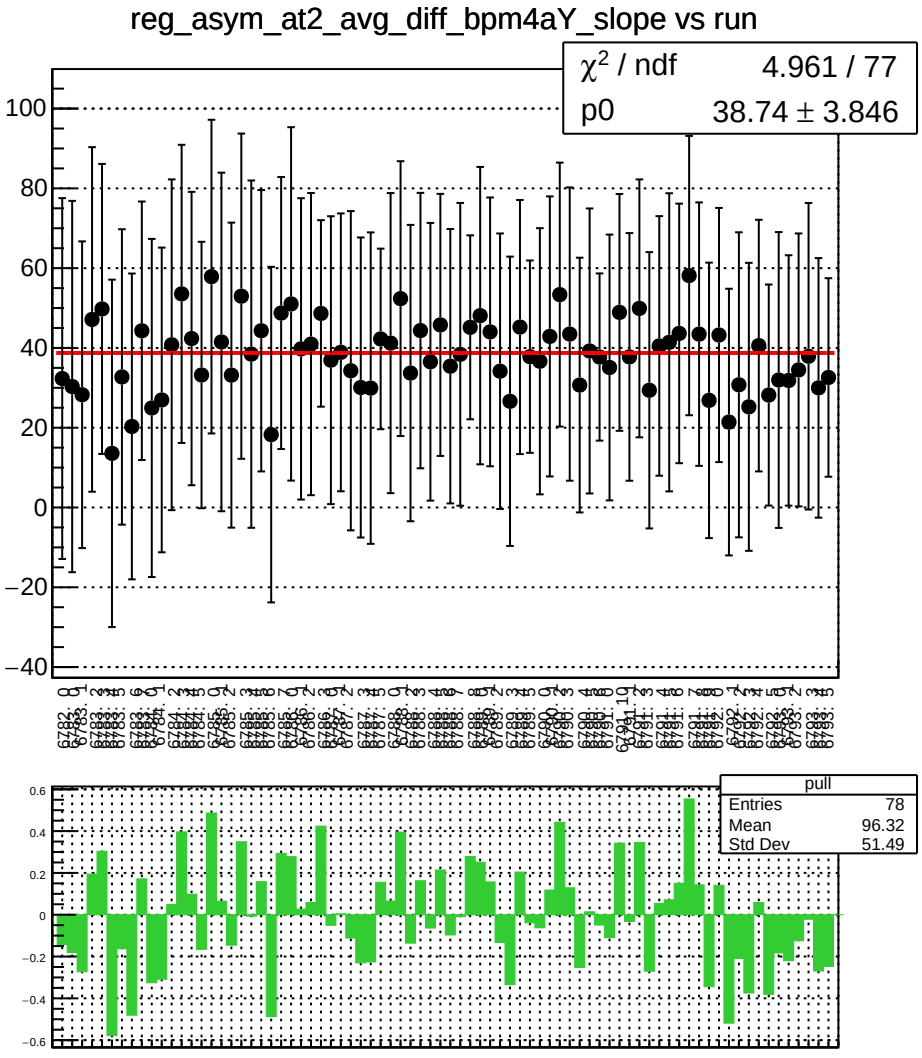

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.75 / 77
p0 2.312 ± 1.346
pull
Entries 78
Mean −248.1
Std Dev 277.7

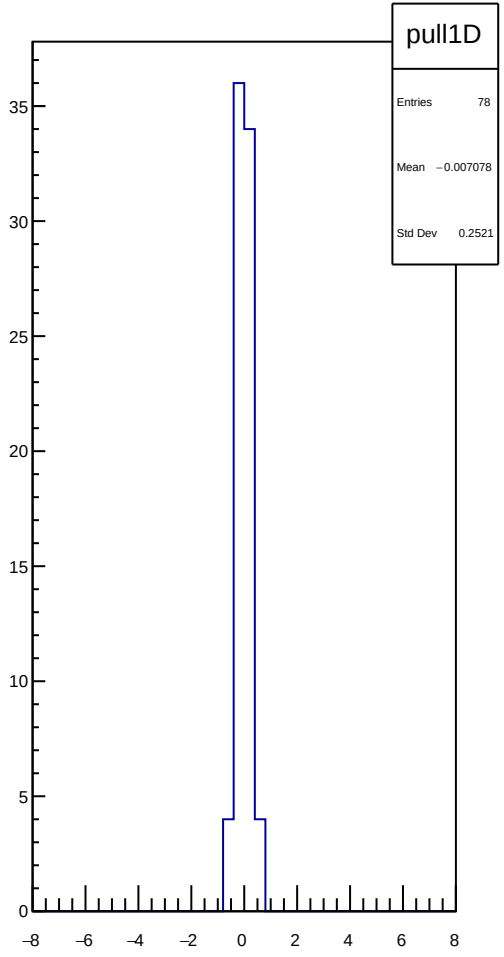

pull1D
Entries 78
Mean 0.01751
Std Dev 0.9656

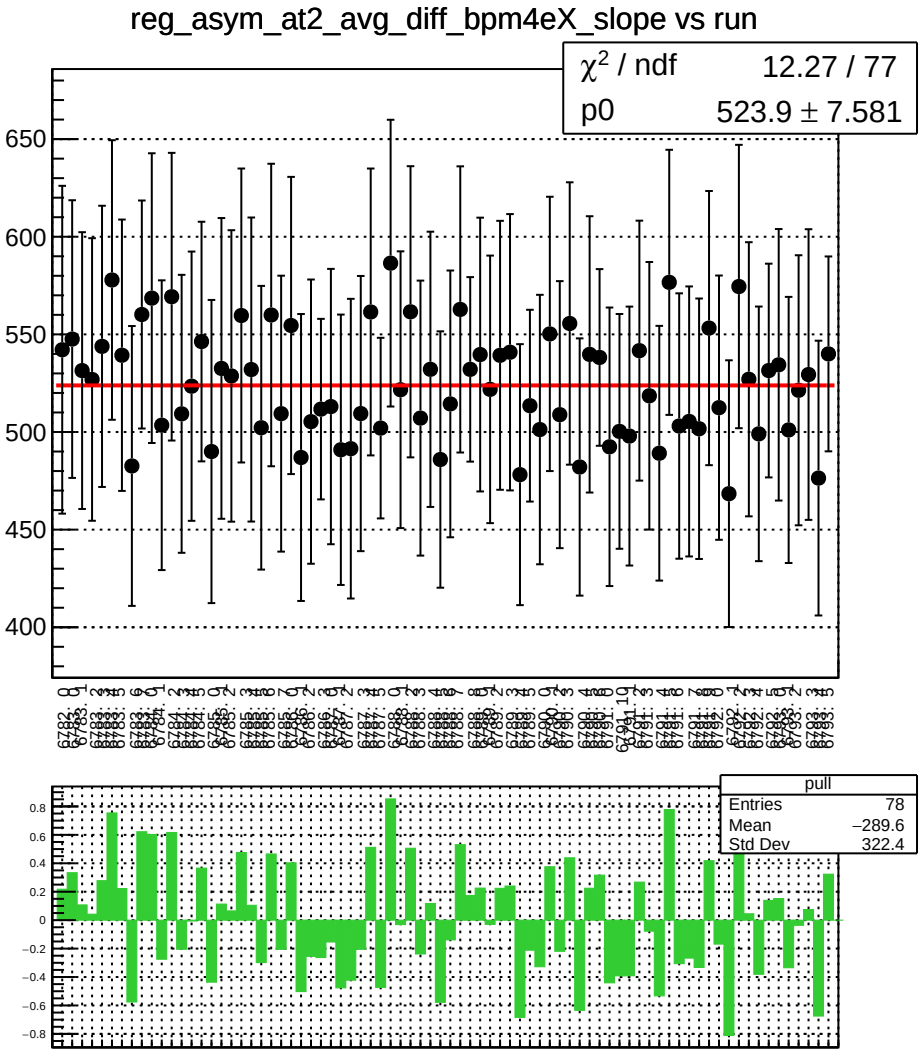

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.27 / 77
p0 −2.177 ± 0.09032
pull
Entries 78
Mean 474.8
Std Dev 429.8
pull1D
Entries 78
Mean 0.00362
Std Dev 0.9692

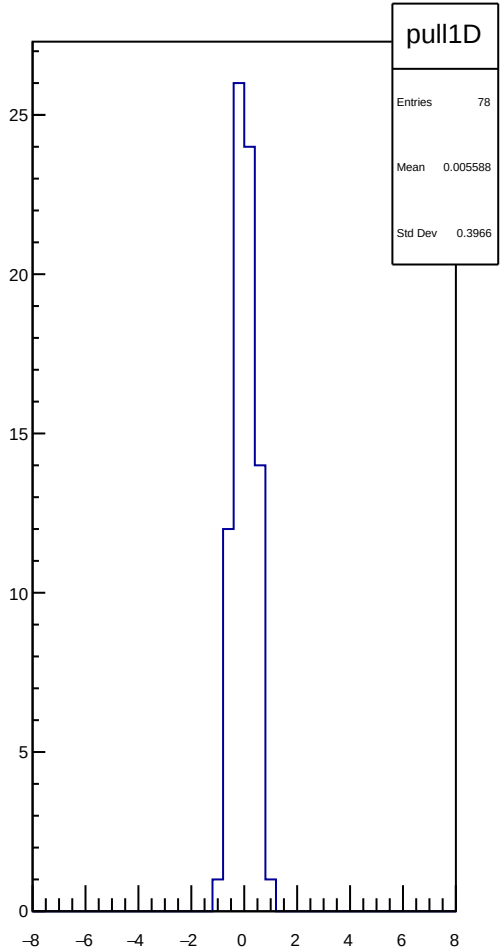

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 12.32 / 77
p0 −539.6 ± 8.119
pull
Entries 78
Mean −253.8
Std Dev 287.2

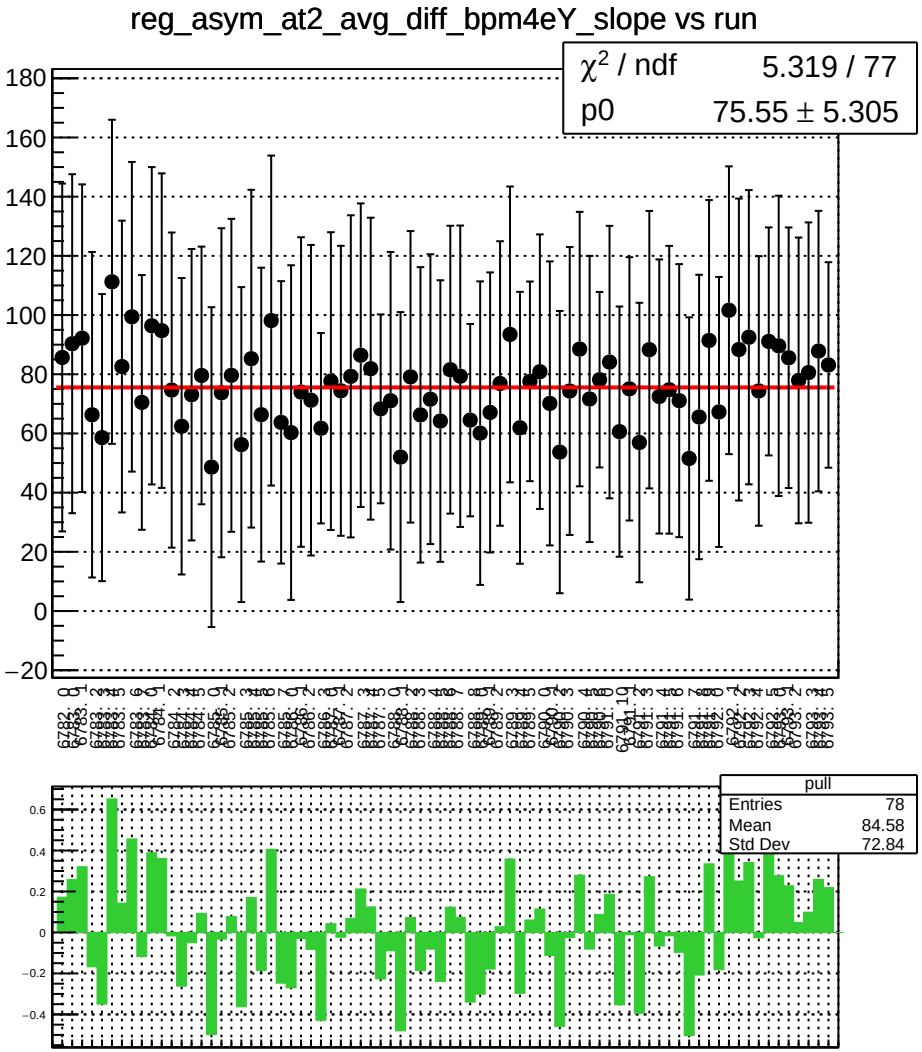

pull1D
Entries 78
Mean −0.006496
Std Dev 0.3973

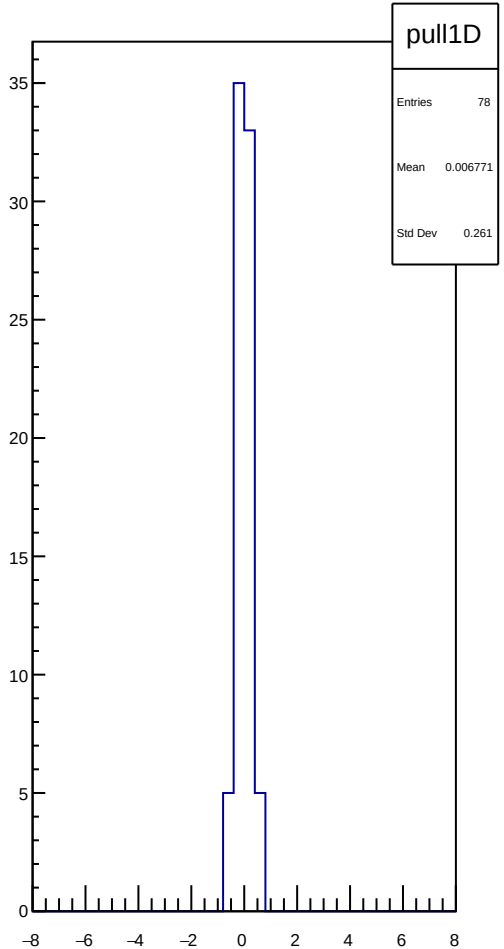

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 4.961 / 77
p0 38.74 ± 3.846
pull
Entries 78
Mean 96.32
Std Dev 51.49

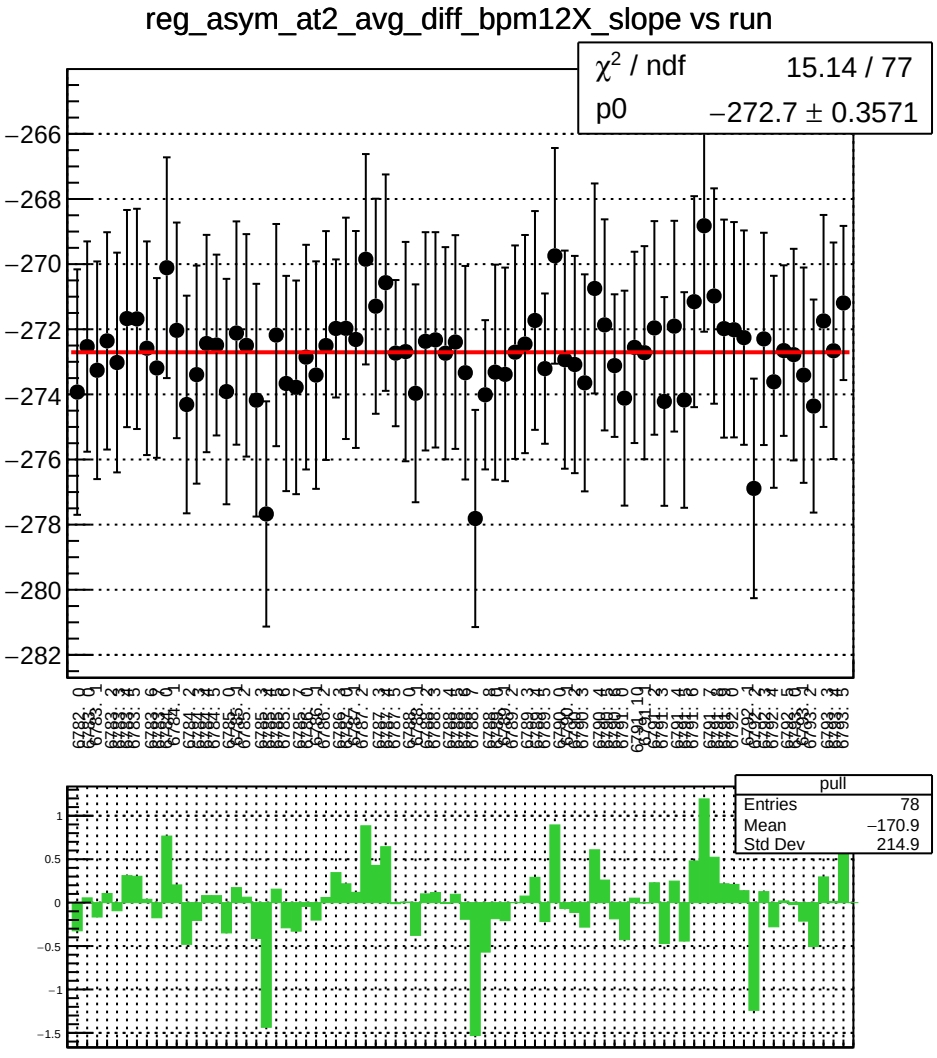

pull1D
Entries 78
Mean −0.007078
Std Dev 0.2521

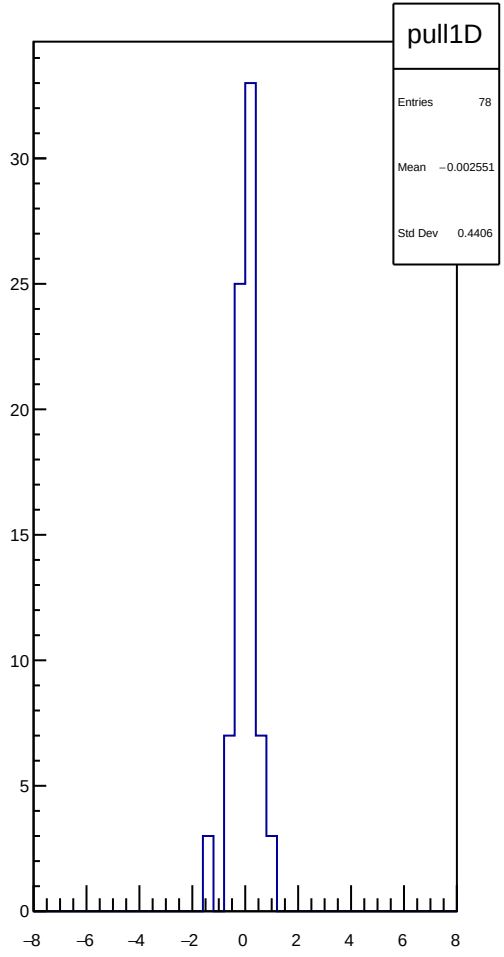

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 12.27 / 77
p0 523.9 ± 7.581
pull
Entries 78
Mean −289.6
Std Dev 322.4

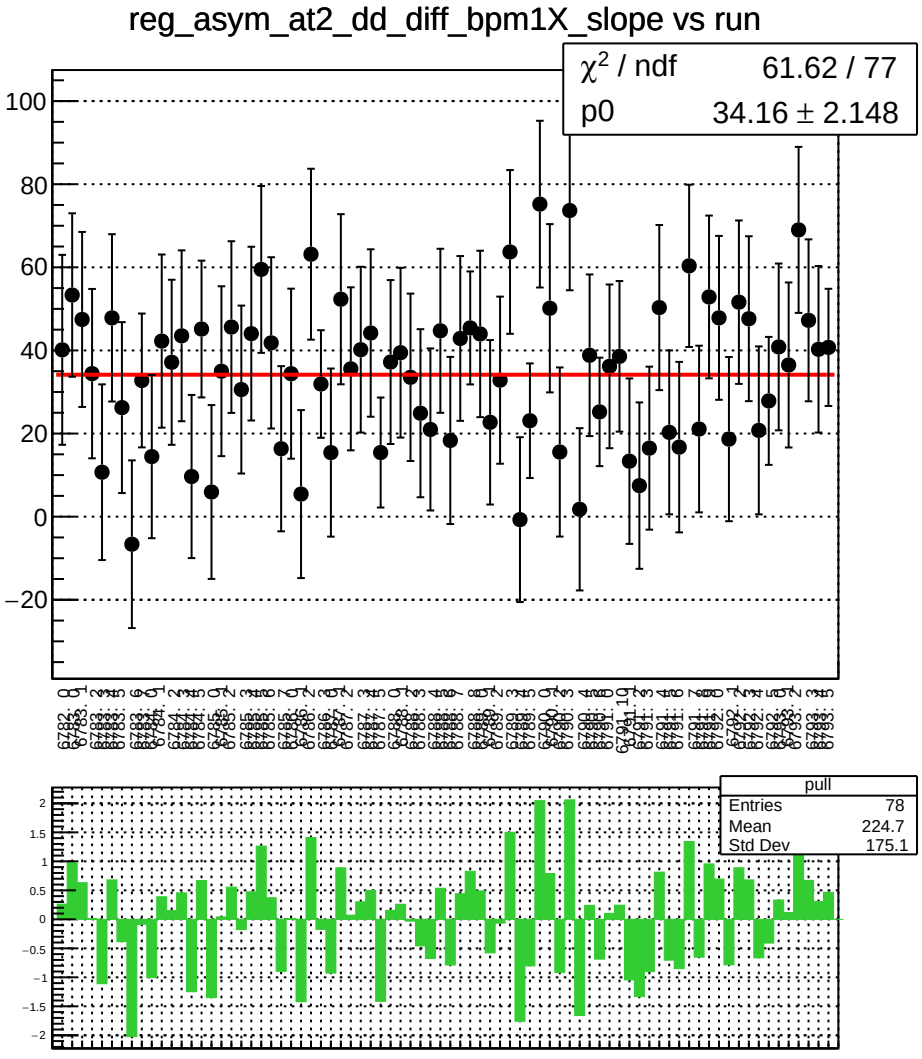

pull1D
Entries 78
Mean 0.005588
Std Dev 0.3966

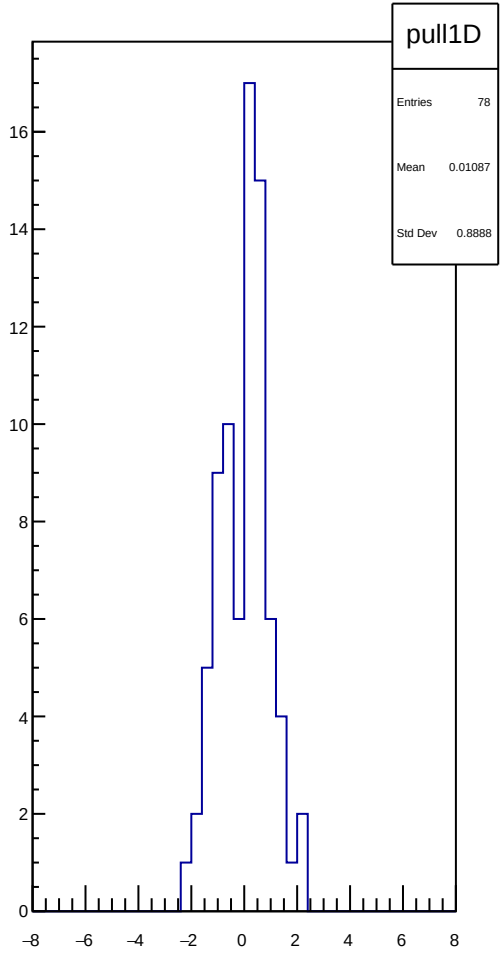

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.319 / 77
p0 75.55 ± 5.305
pull
Entries 78
Mean 84.58
Std Dev 72.84

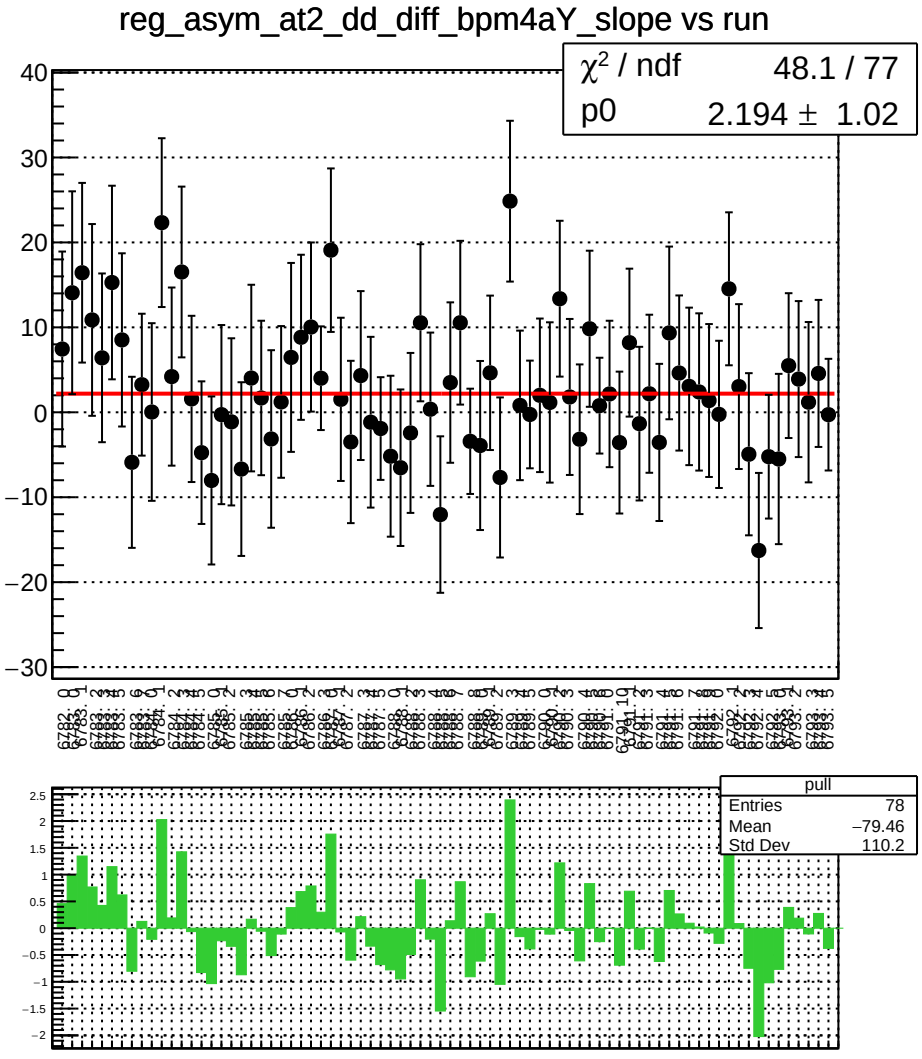

pull1D
Entries 78
Mean 0.006771
Std Dev 0.261

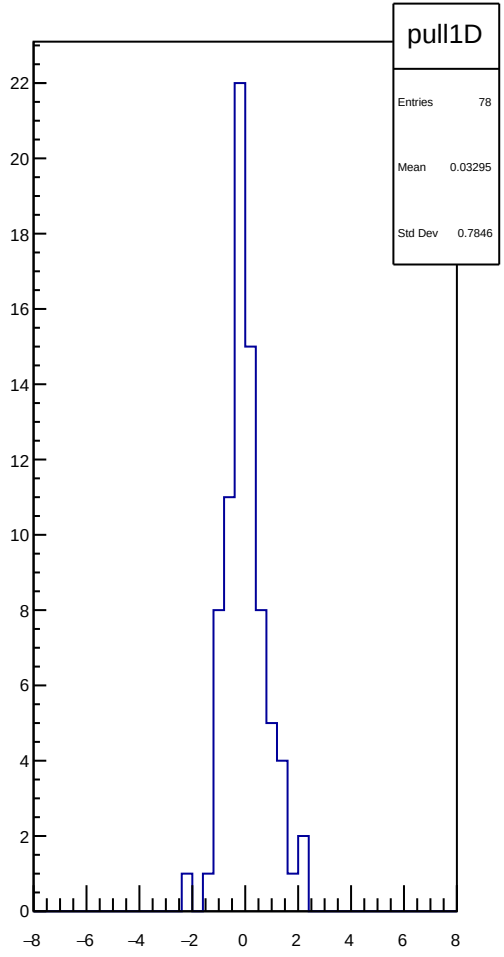

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 15.14 / 77
p0 −272.7 ± 0.3571
pull
Entries 78
Mean −170.9
Std Dev 214.9

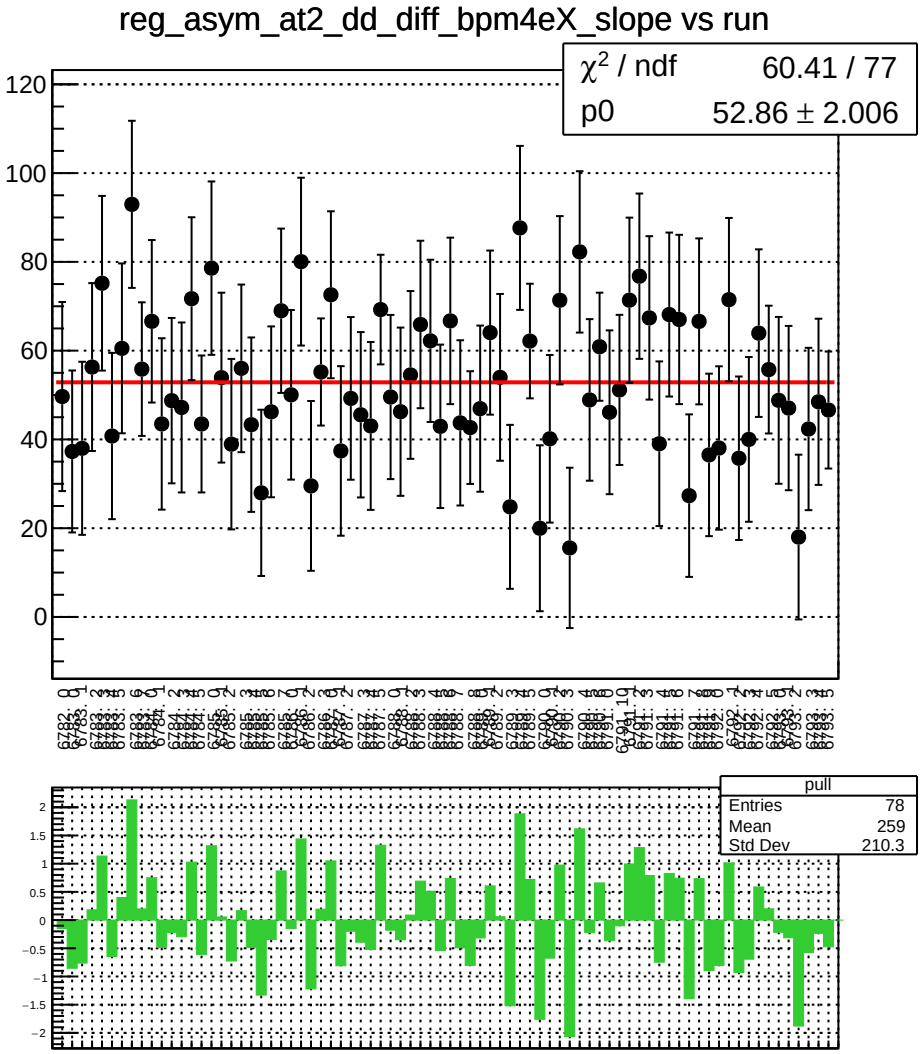

pull1D
Entries 78
Mean −0.002551
Std Dev 0.4406

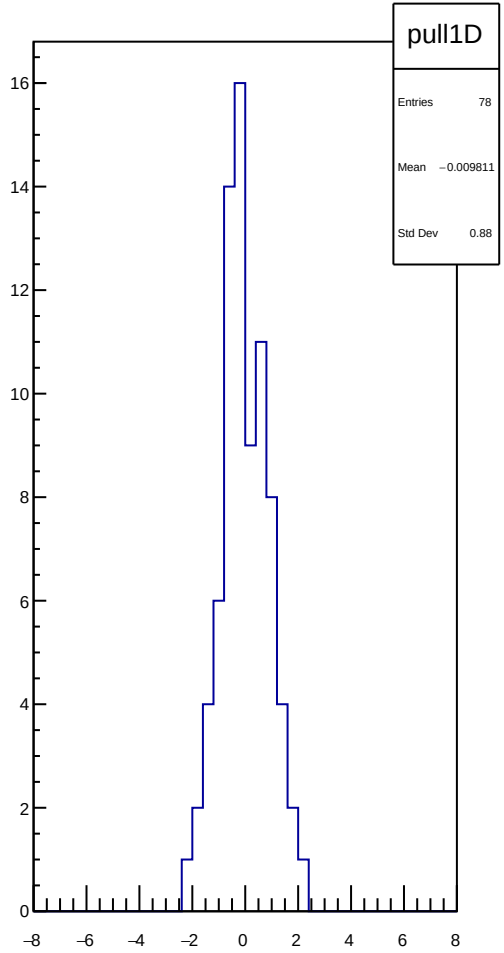

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 61.62 / 77
p0 34.16 ± 2.148
pull
Entries 78
Mean 224.7
Std Dev 175.1

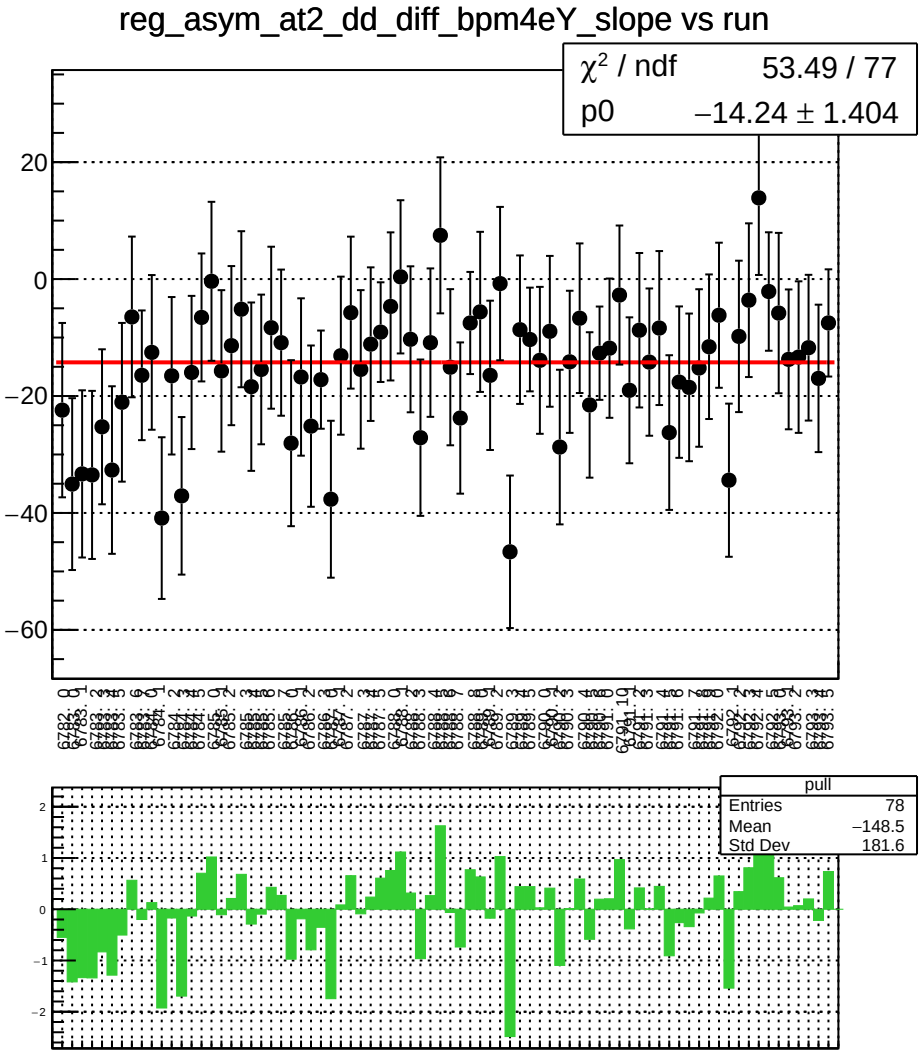

pull1D
Entries 78
Mean 0.01087
Std Dev 0.8888

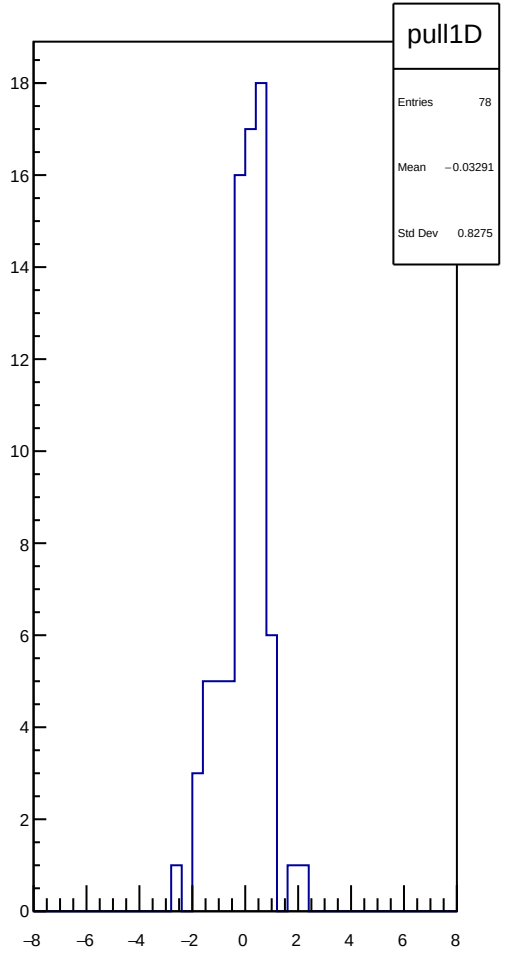

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 48.1 / 77
p0 2.194 ± 1.02
pull
Entries 78
Mean −79.46
Std Dev 110.2

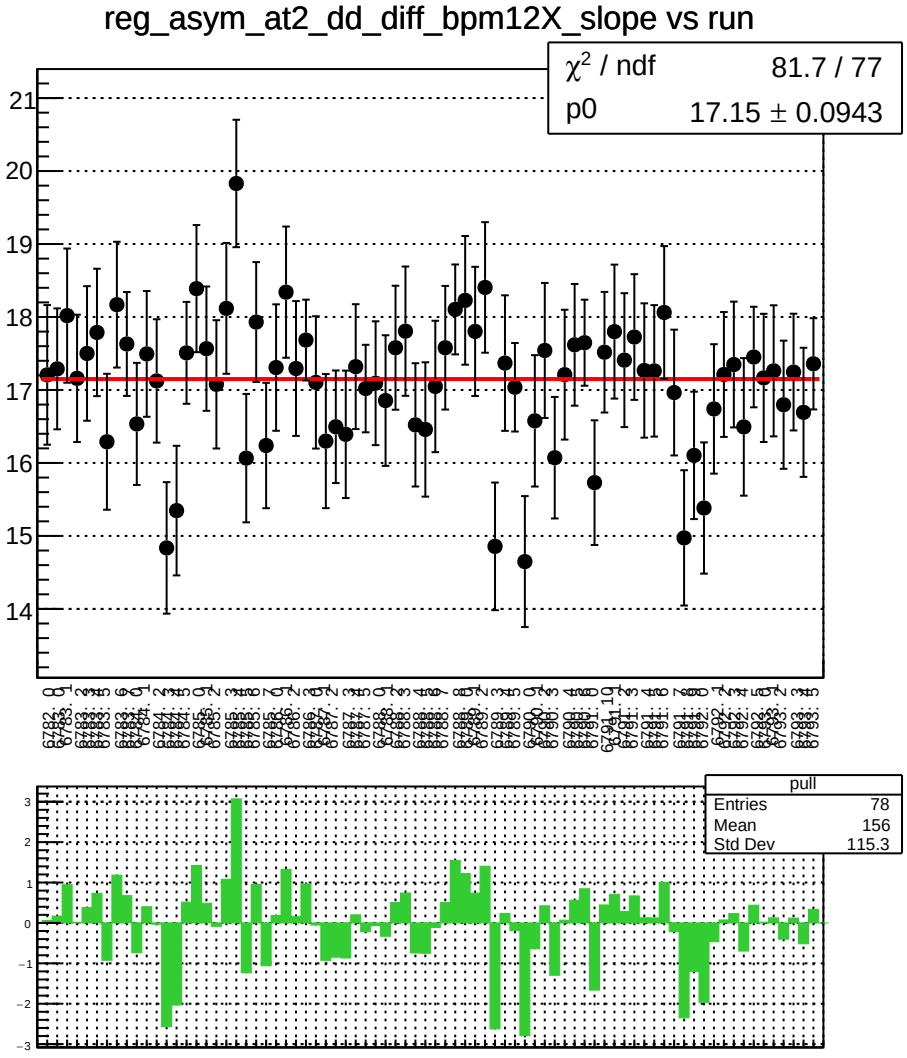

pull1D
Entries 78
Mean 0.03295
Std Dev 0.7846

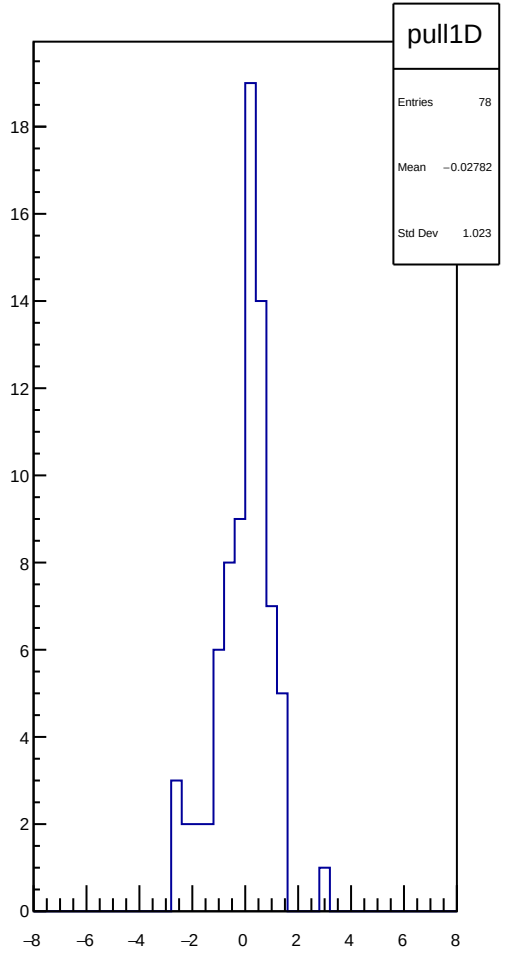

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 60.41 / 77
p0 52.86 ± 2.006
pull
Entries 78
Mean 259
Std Dev 210.3

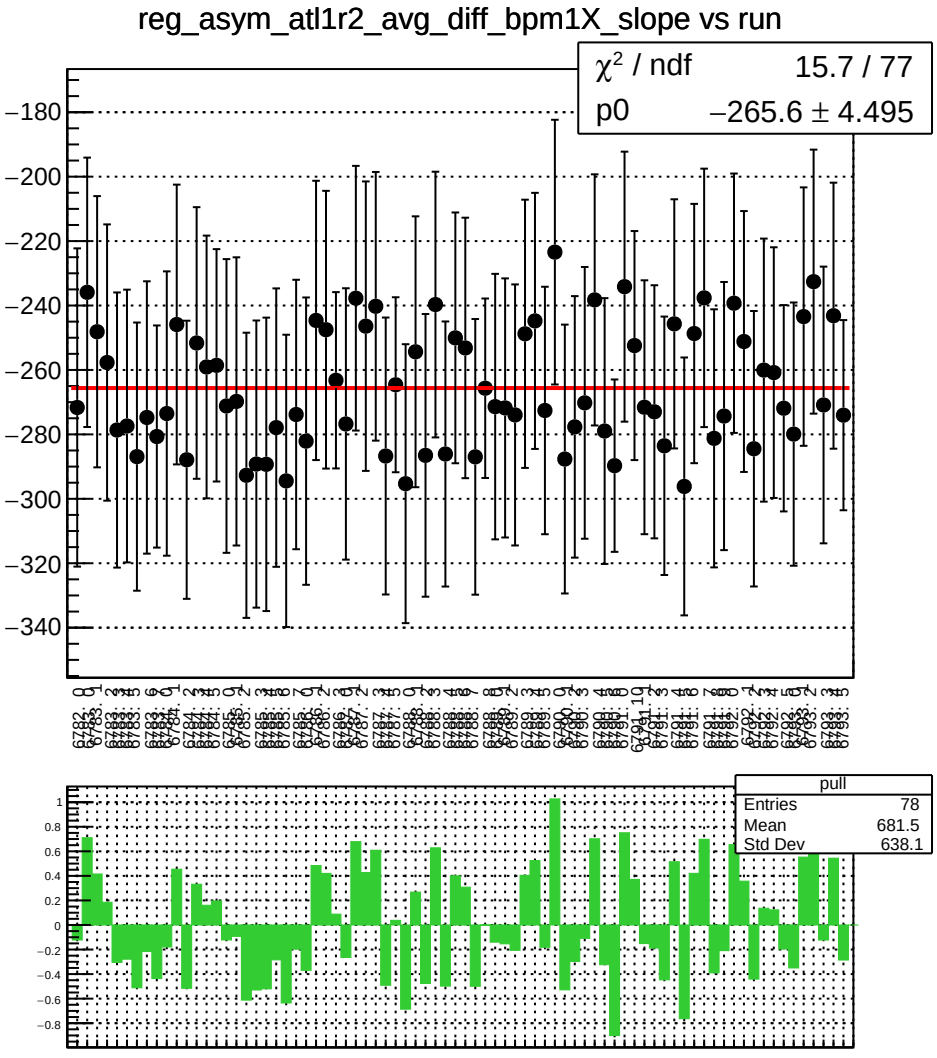

pull1D
Entries 78
Mean −0.009811
Std Dev 0.88

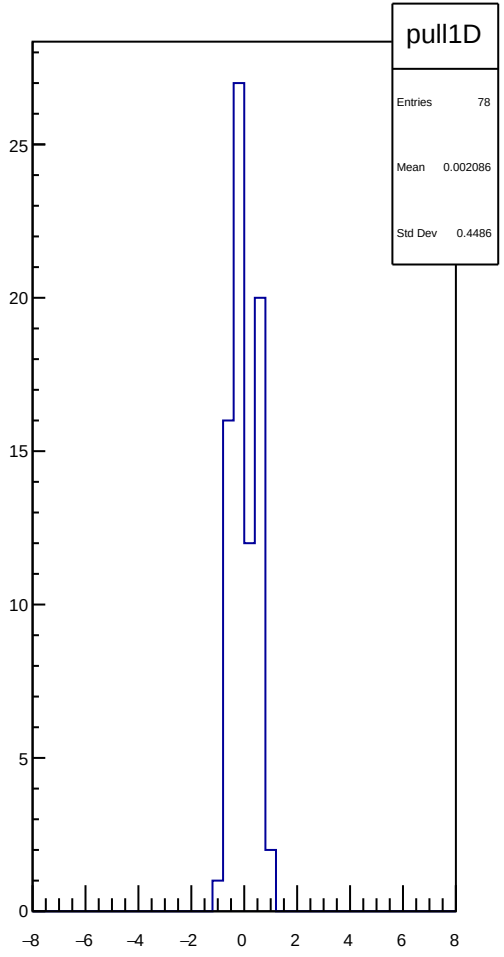

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.49 / 77
p0 −14.24 ± 1.404
pull
Entries 78
Mean −148.5
Std Dev 181.6

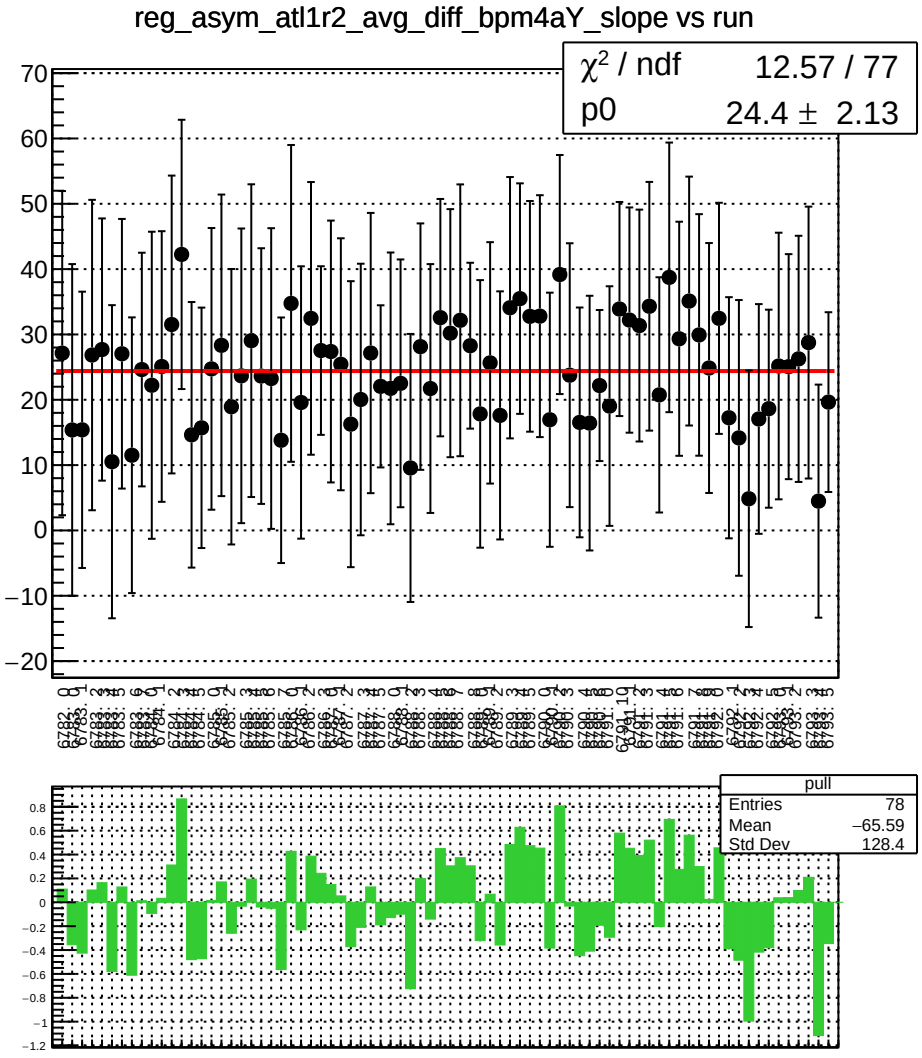

pull1D
Entries 78
Mean −0.03291
Std Dev 0.8275

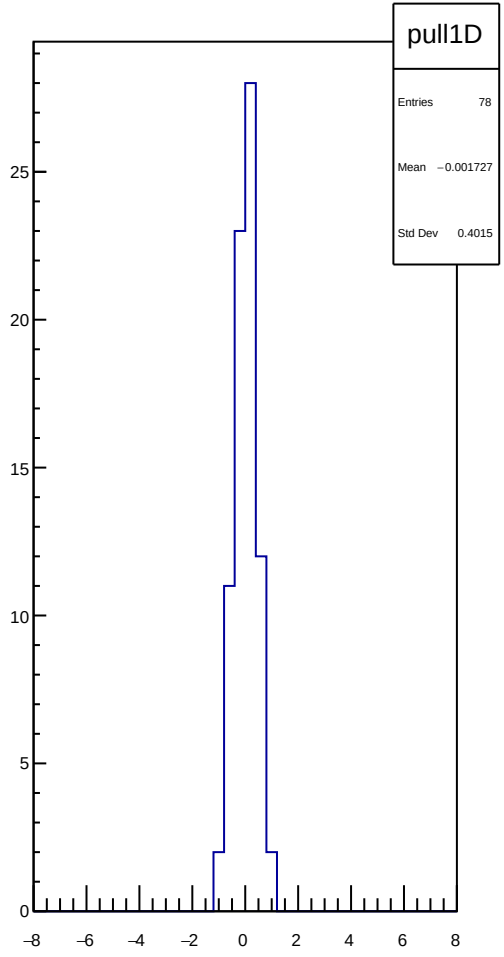

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 81.7 / 77
p0 17.15 ± 0.0943
pull
Entries 78
Mean 156
Std Dev 115.3

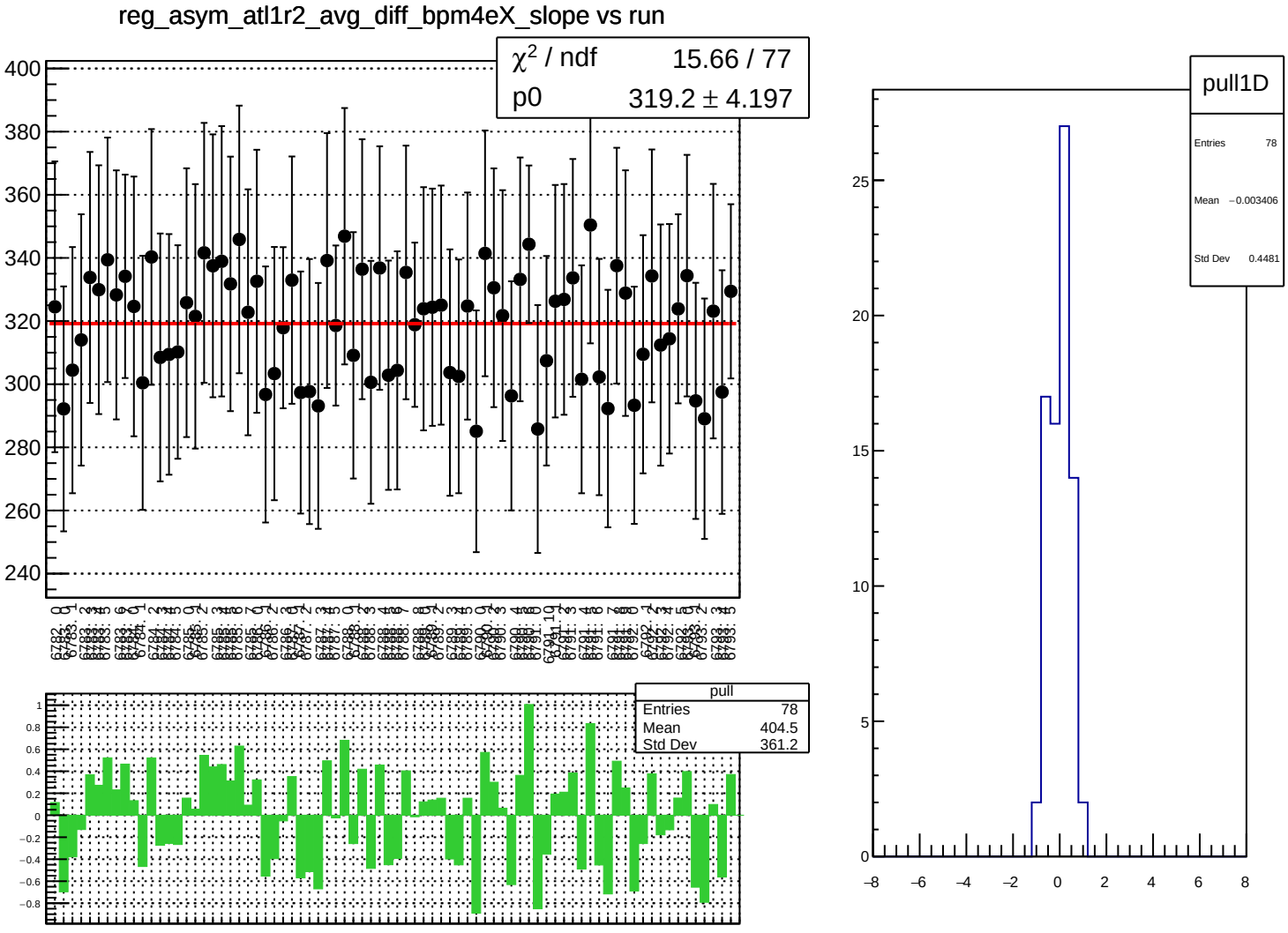

pull1D
Entries 78
Mean −0.02782
Std Dev 1.023

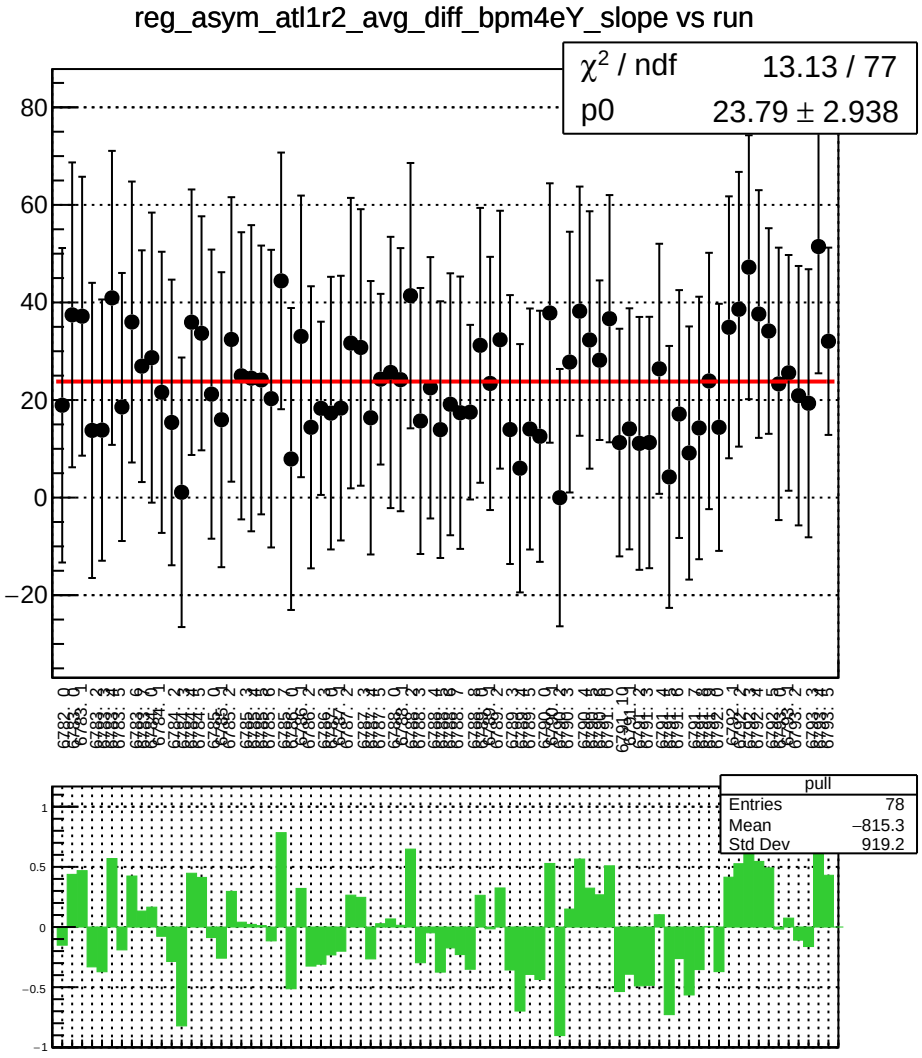

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.7 / 77
p0 −265.6 ± 4.495
pull
Entries 78
Mean 681.5
Std Dev 638.1

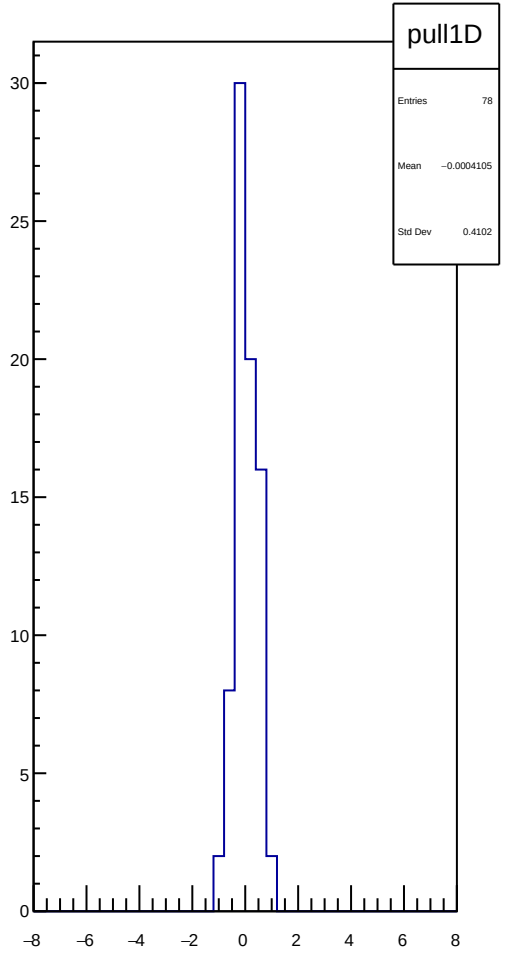

pull1D
Entries 78
Mean 0.002086
Std Dev 0.4486

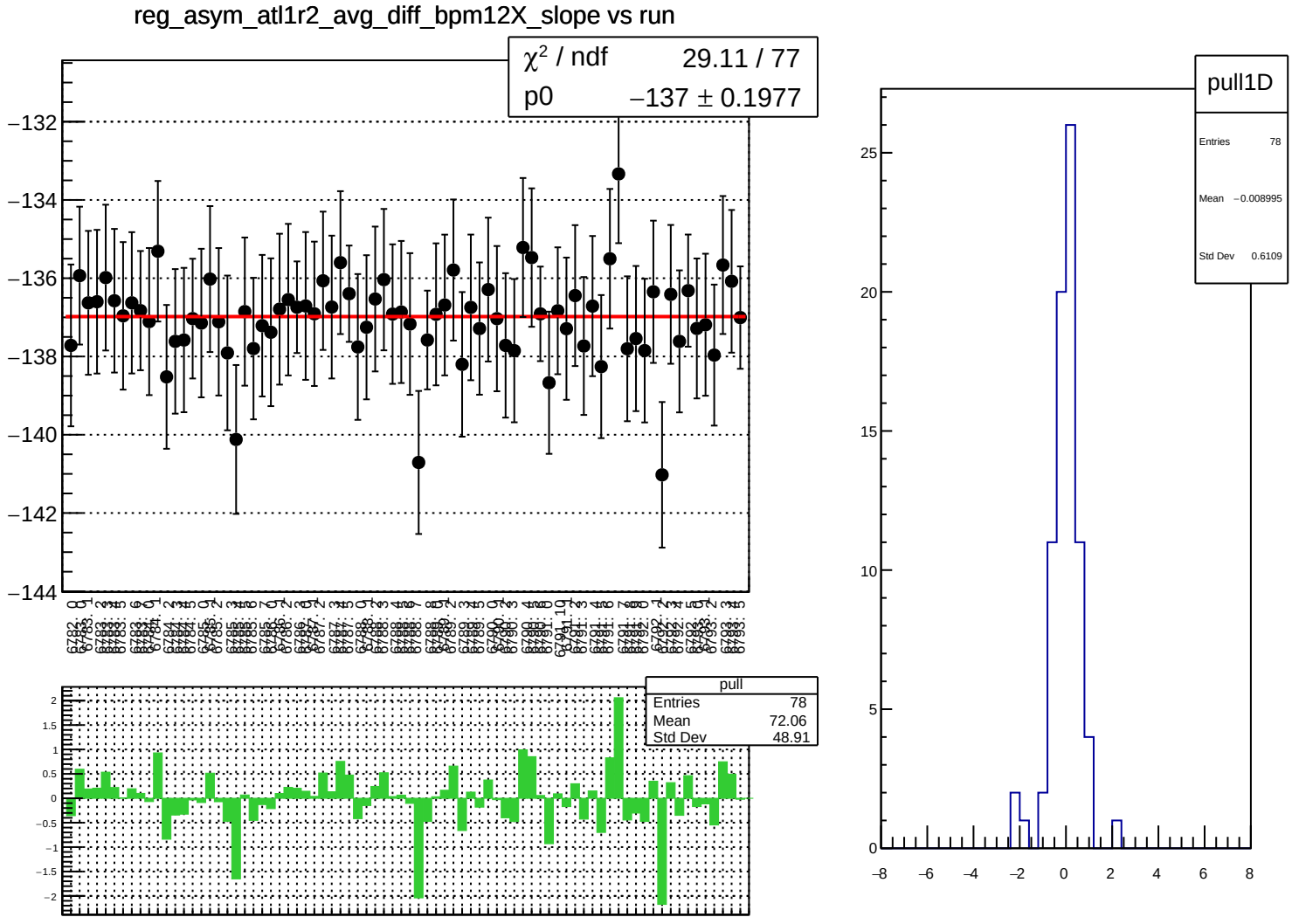

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 12.57 / 77
p0 24.4 ± 2.13
pull
Entries 78
Mean −65.59
Std Dev 128.4

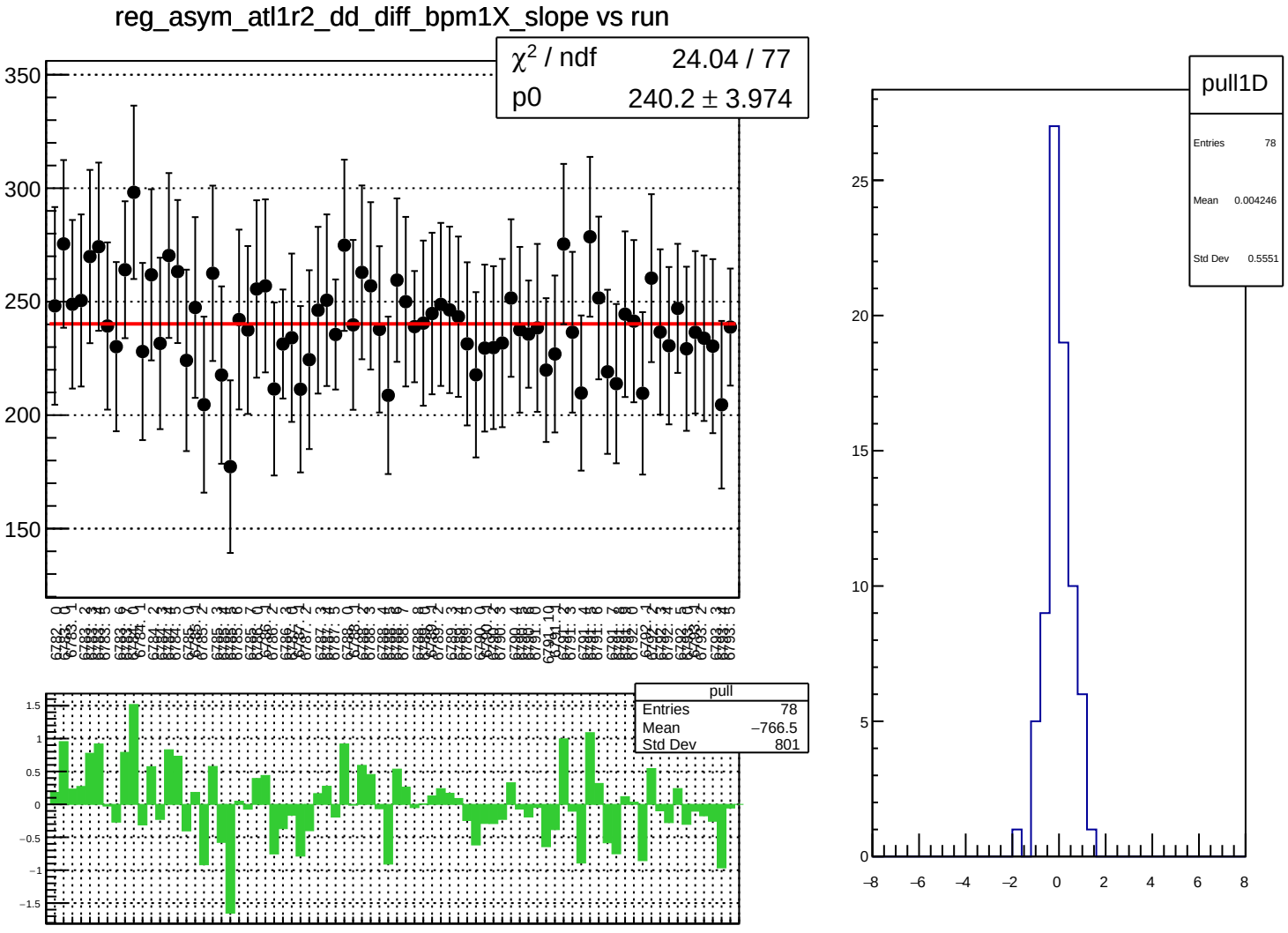

pull1D
Entries 78
Mean −0.001727
Std Dev 0.4015

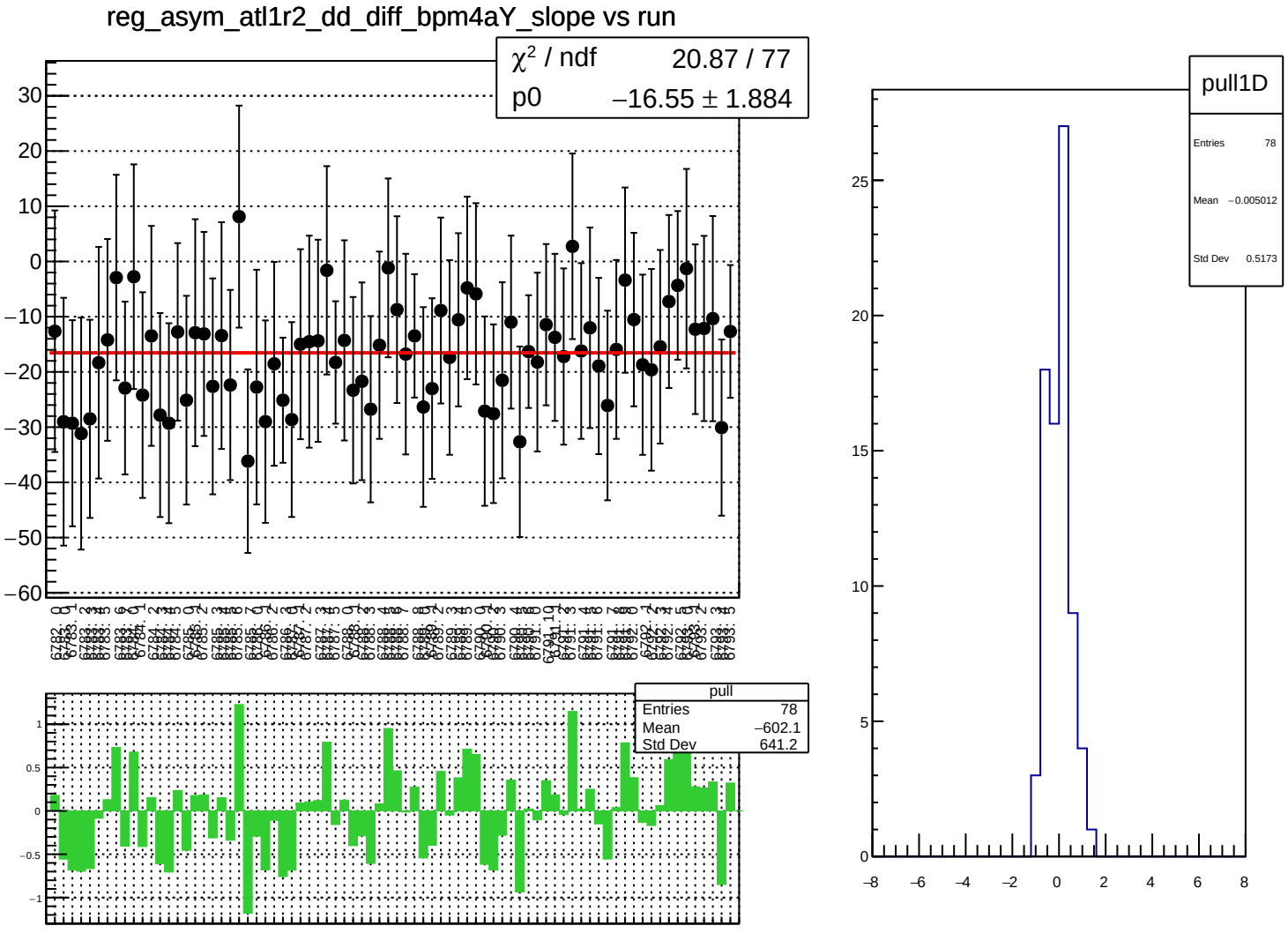

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.66 / 77
p0 319.2 ± 4.197
pull
Entries 78
Mean 404.5
Std Dev 361.2
pull1D
Entries 78
Mean −0.003406
Std Dev 0.4481

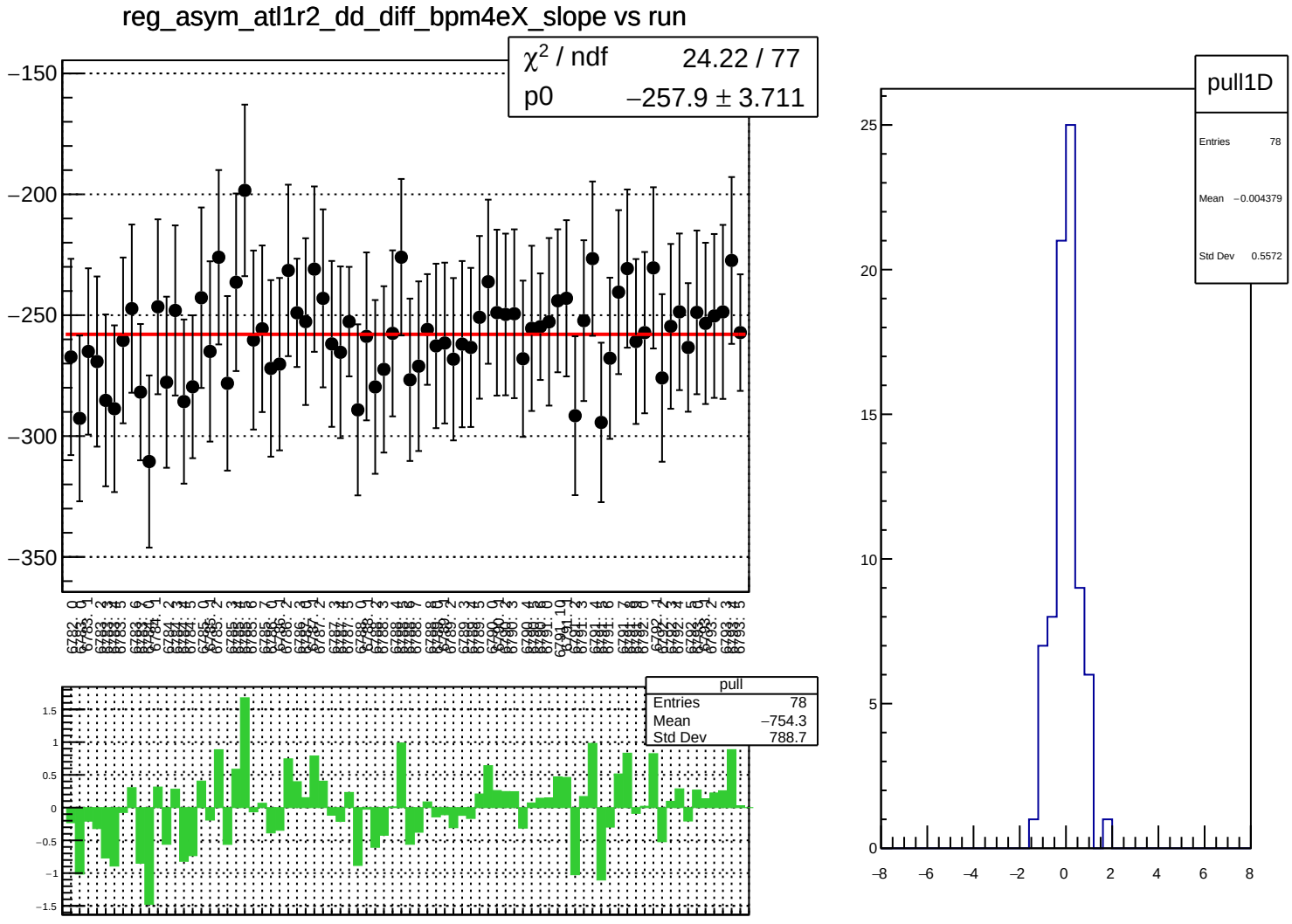

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 77
p0 23.79 ± 2.938
pull
Entries 78
Mean −815.3
Std Dev 919.2

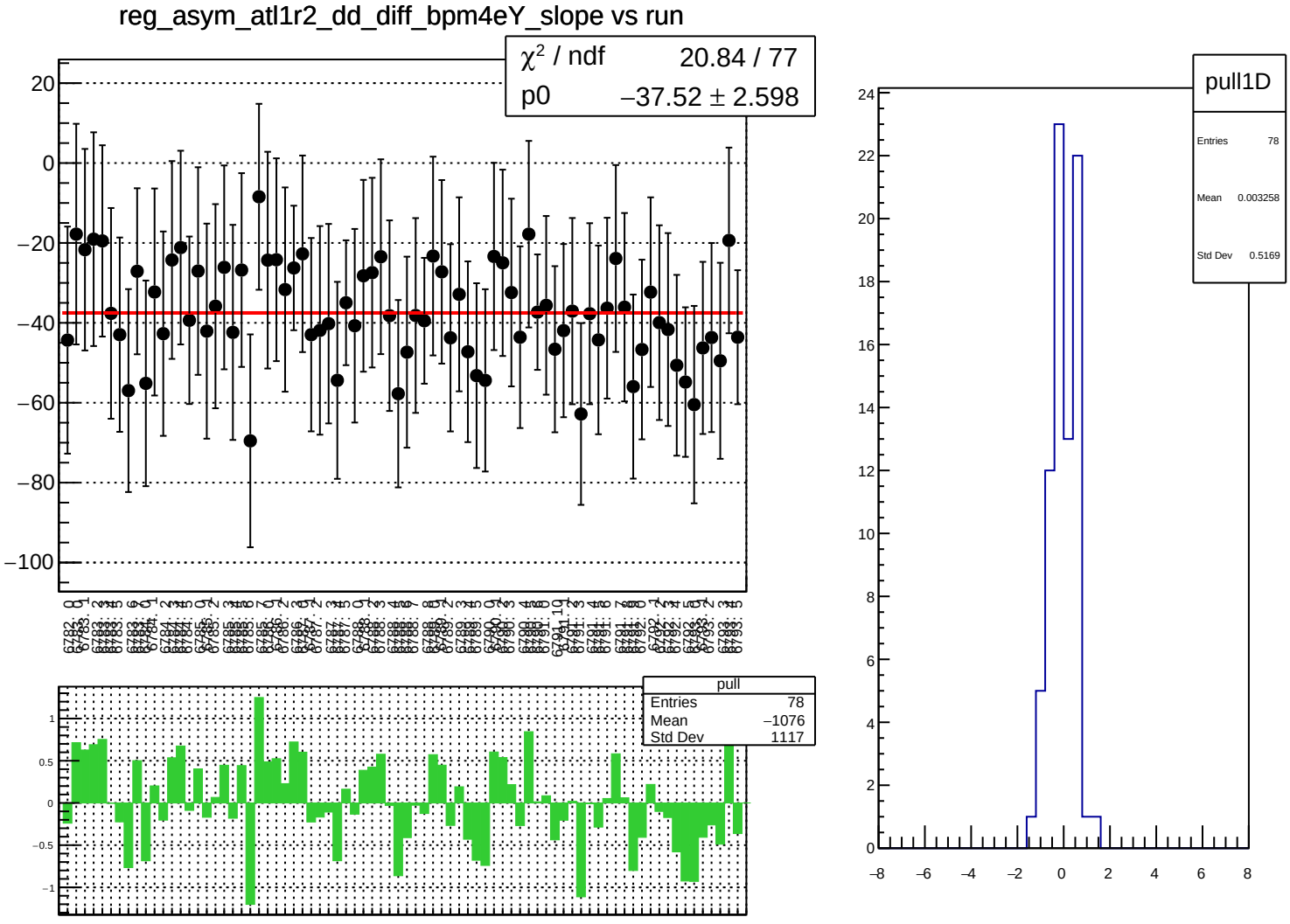

pull1D
Entries 78
Mean −0.0004105
Std Dev 0.4102

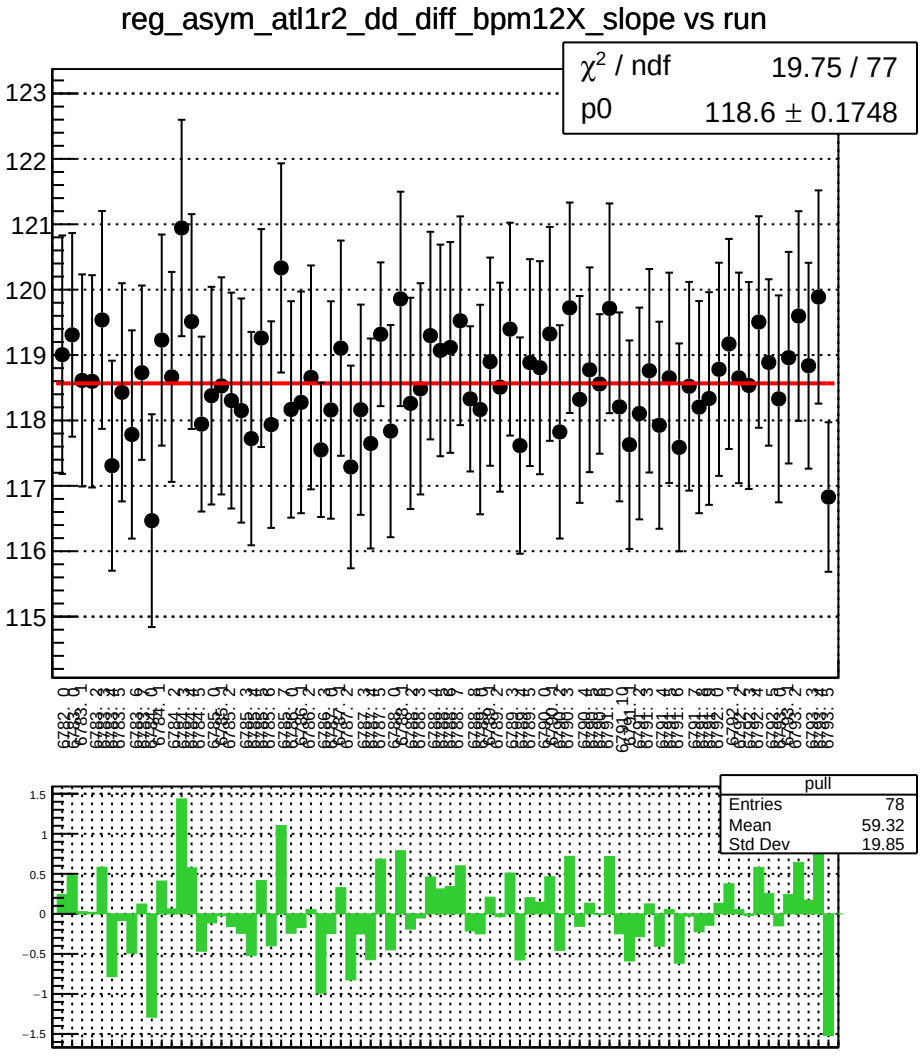

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 29.11 / 77
p0 −137 ± 0.1977
pull
Entries 78
Mean 72.06
Std Dev 48.91
pull1D
Entries 78
Mean −0.008995
Std Dev 0.6109

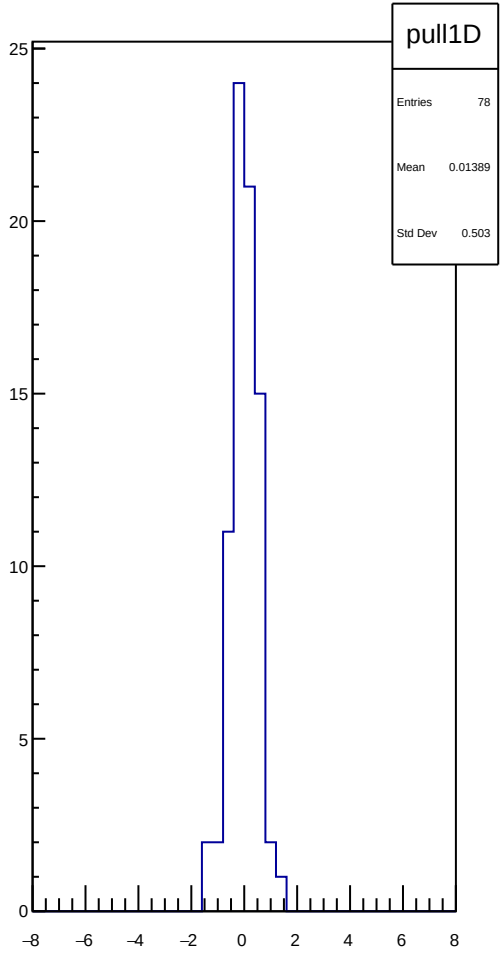

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.04 / 77
p0 240.2 ± 3.974
pull
Entries 78
Mean −766.5
Std Dev 801
pull1D
Entries 78
Mean 0.004246
Std Dev 0.5551

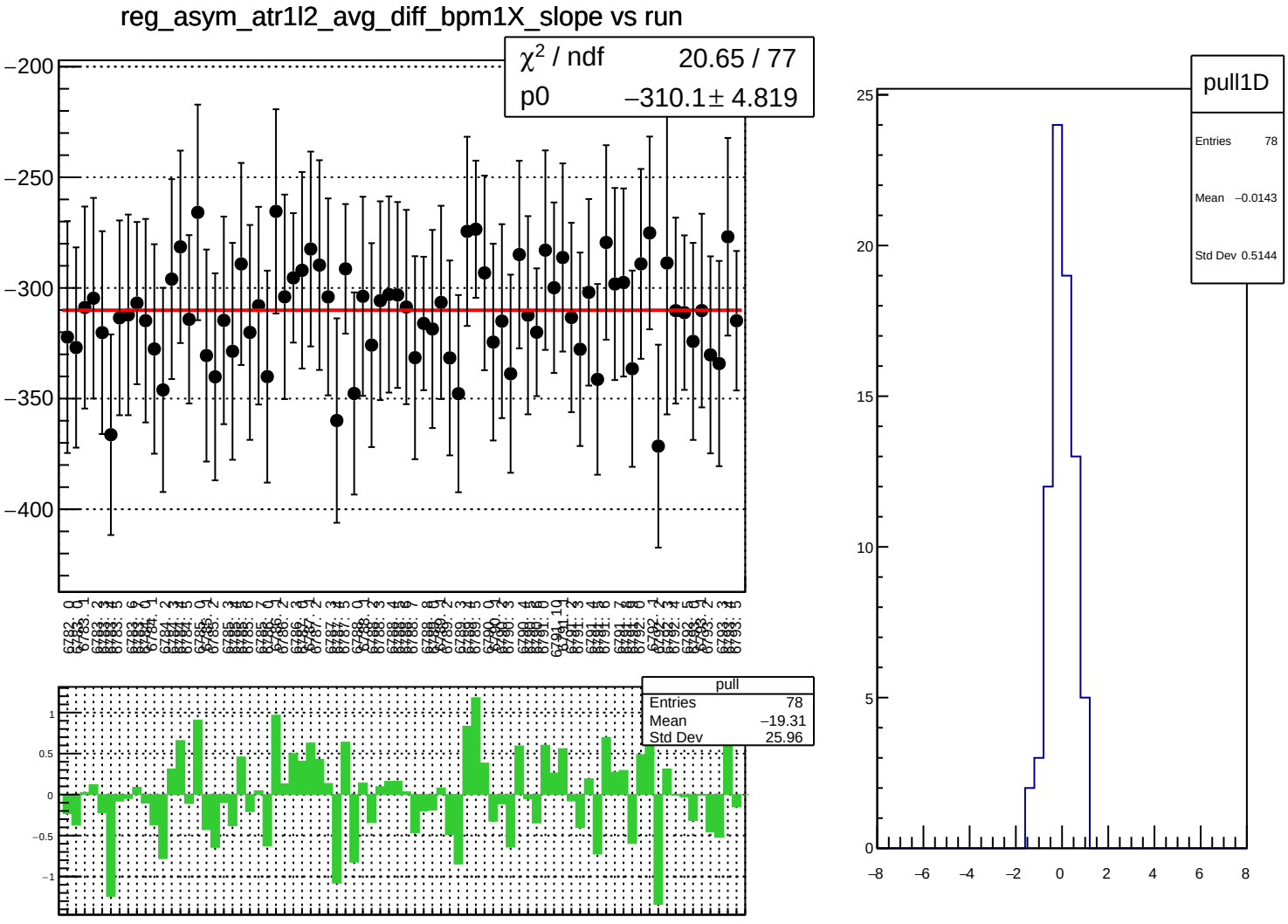

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.87 / 77
p0 −16.55 ± 1.884
pull
Entries 78
Mean −602.1
Std Dev 641.2
pull1D
Entries 78
Mean −0.005012
Std Dev 0.5173

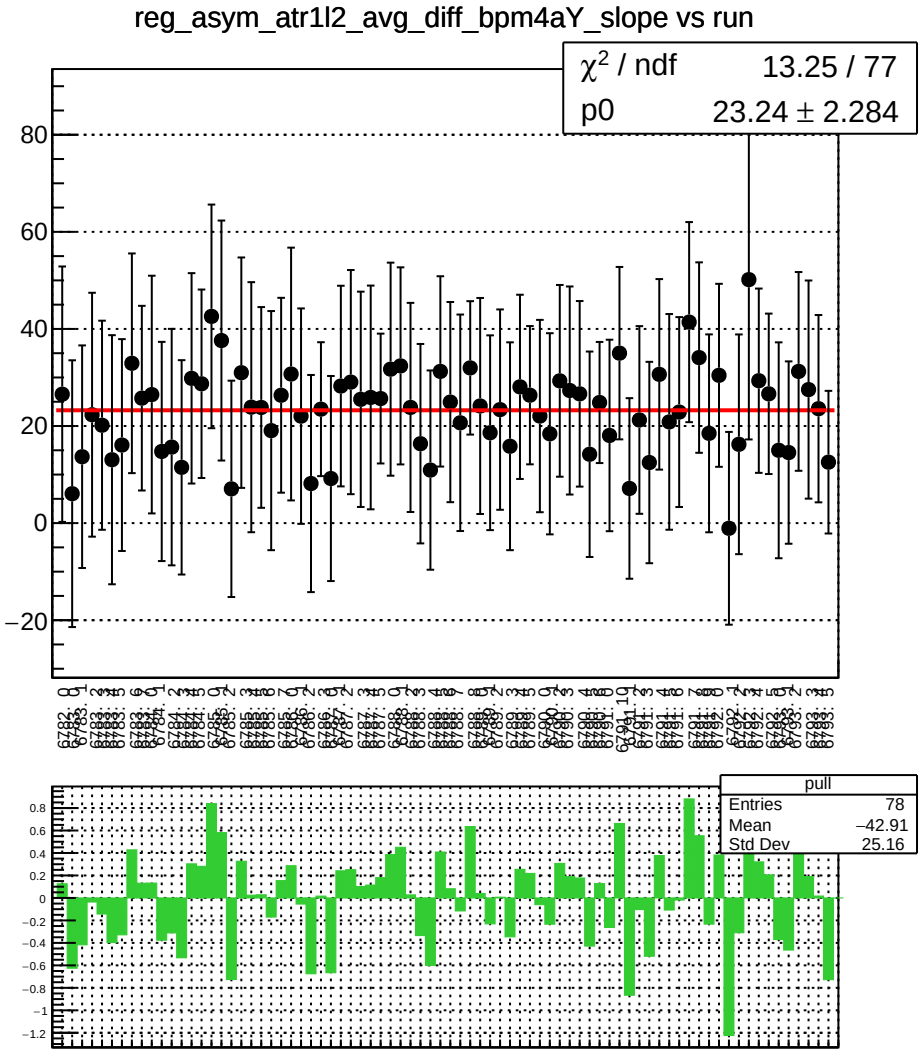

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.22 / 77
p0 −257.9 ± 3.711
pull
Entries 78
Mean −754.3
Std Dev 788.7
pull1D
Entries 78
Mean −0.004379
Std Dev 0.5572

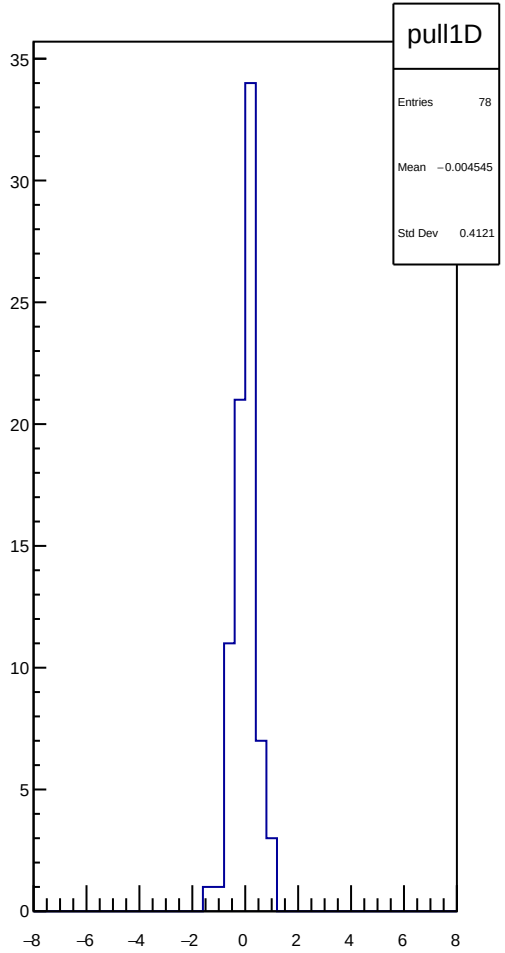

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.84 / 77
p0 −37.52 ± 2.598
pull
Entries 78
Mean −1076
Std Dev 1117
pull1D
Entries 78
Mean 0.003258
Std Dev 0.5169

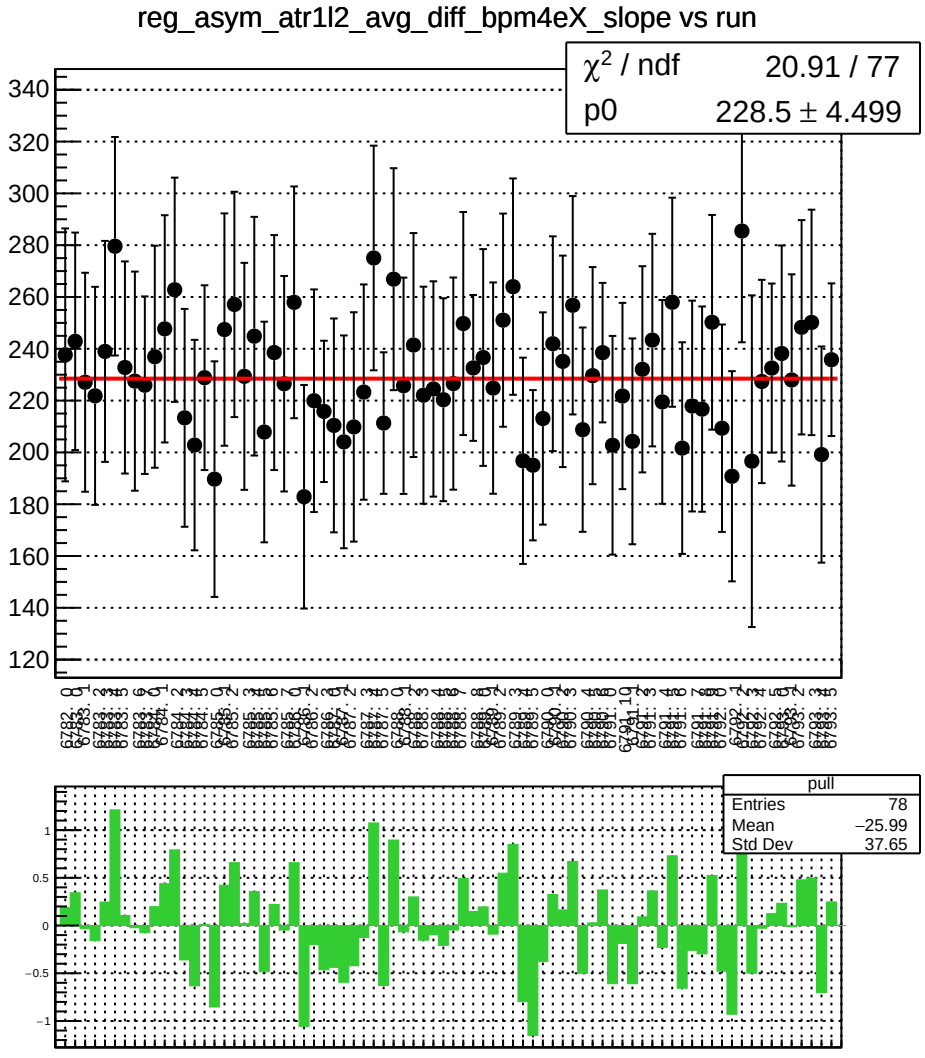

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 77
p0 118.6 ± 0.1748
pull
Entries 78
Mean 59.32
Std Dev 19.85

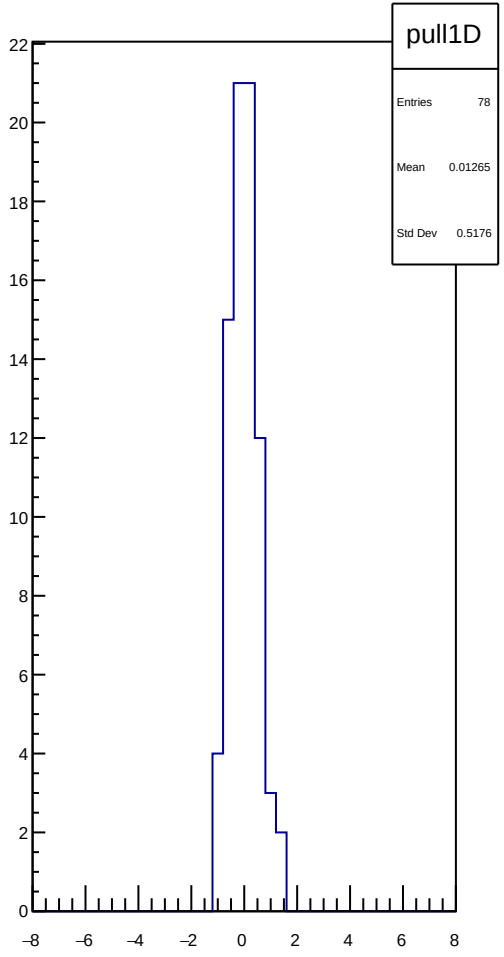

pull1D
Entries 78
Mean 0.01389
Std Dev 0.503

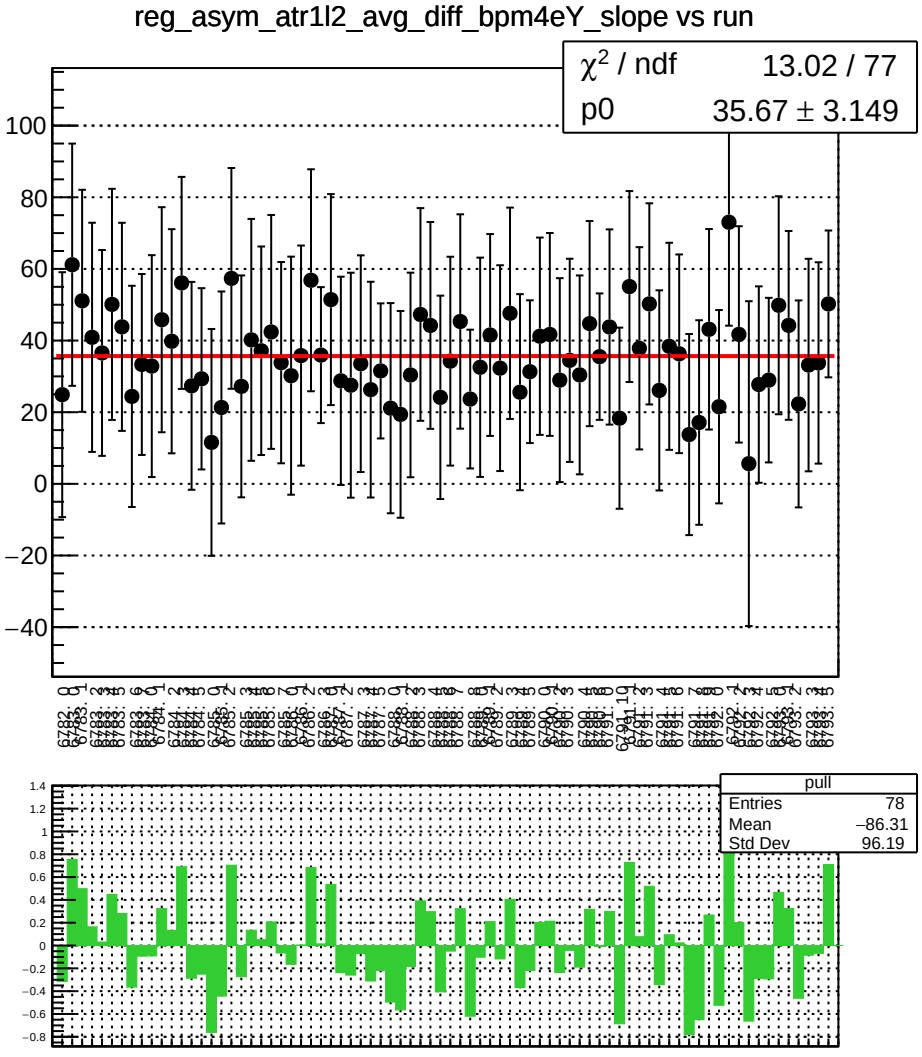

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 20.65 / 77
p0 −310.1 ± 4.819
pull
Entries 78
Mean −19.31
Std Dev 25.96
pull1D
Entries 78
Mean −0.0143
Std Dev 0.5144

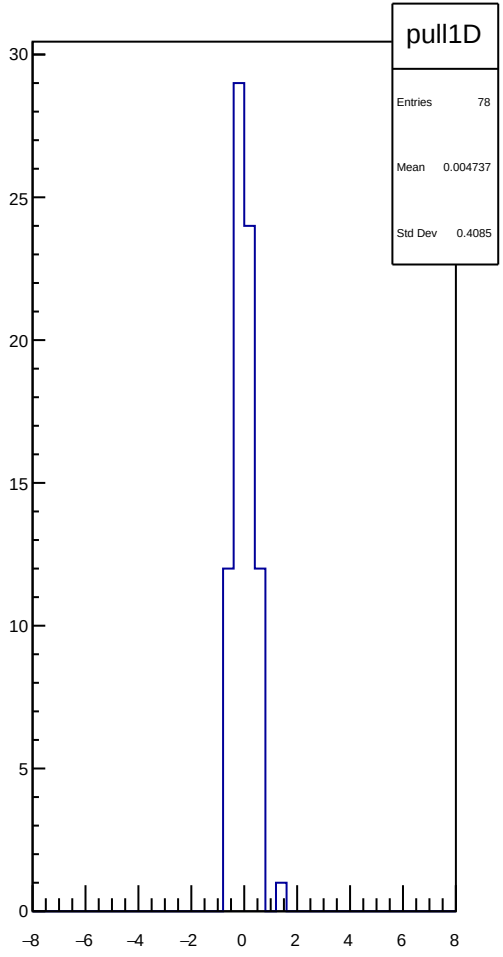

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.25 / 77
p0 23.24 ± 2.284
pull
Entries 78
Mean −42.91
Std Dev 25.16

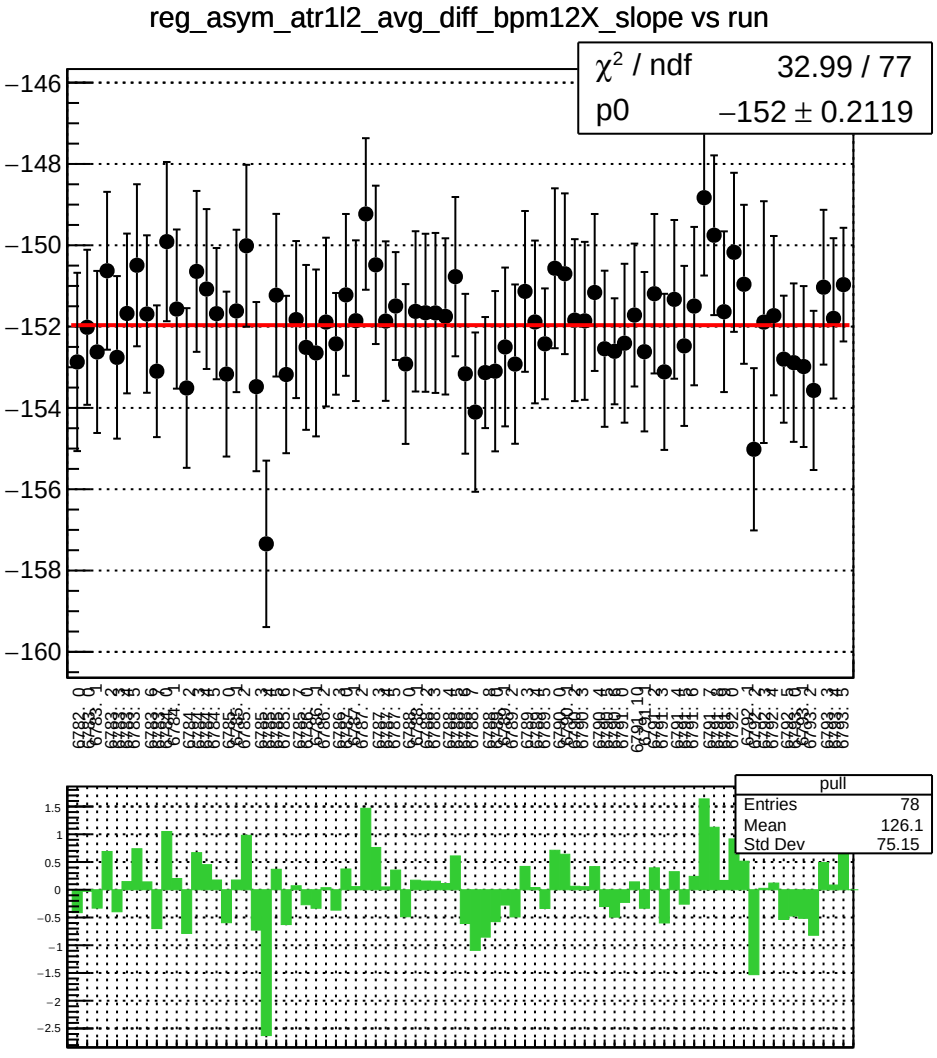

pull1D
Entries 78
Mean −0.004545
Std Dev 0.4121

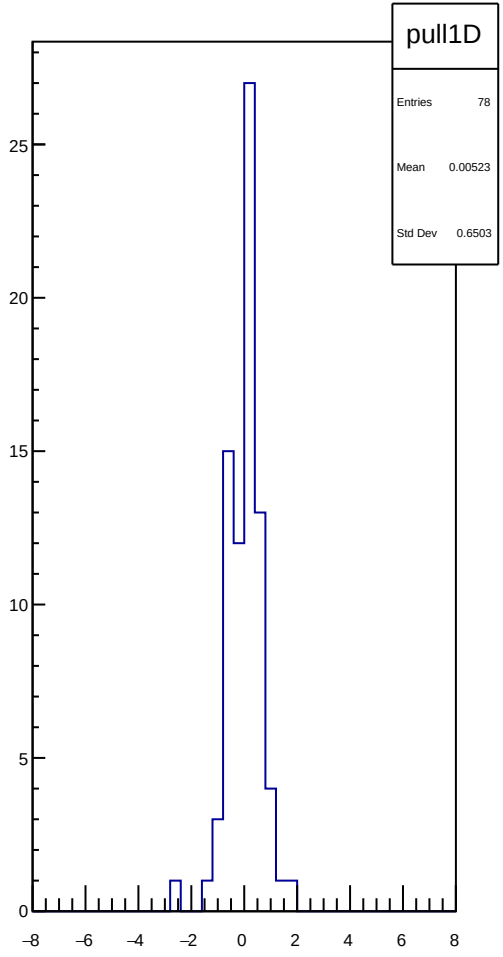

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.91 / 77
p0 228.5 ± 4.499
pull
Entries 78
Mean −25.99
Std Dev 37.65

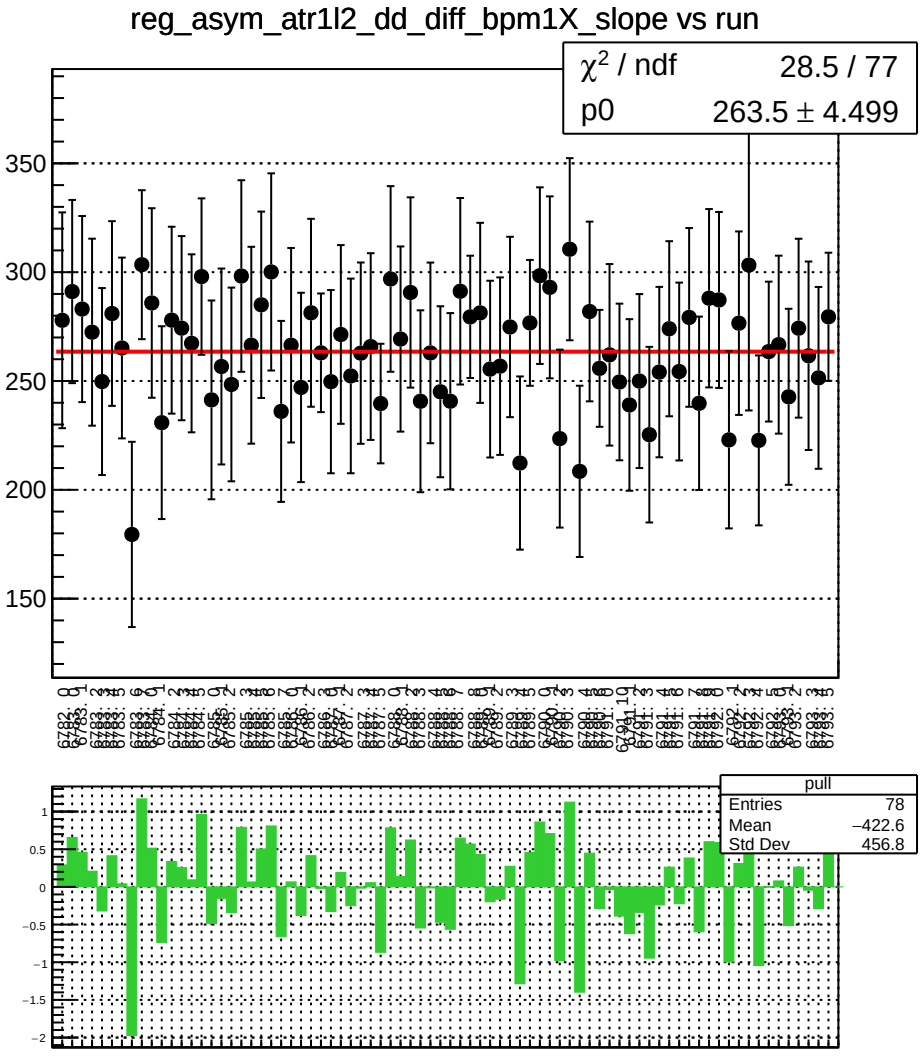

pull1D
Entries 78
Mean 0.01265
Std Dev 0.5176

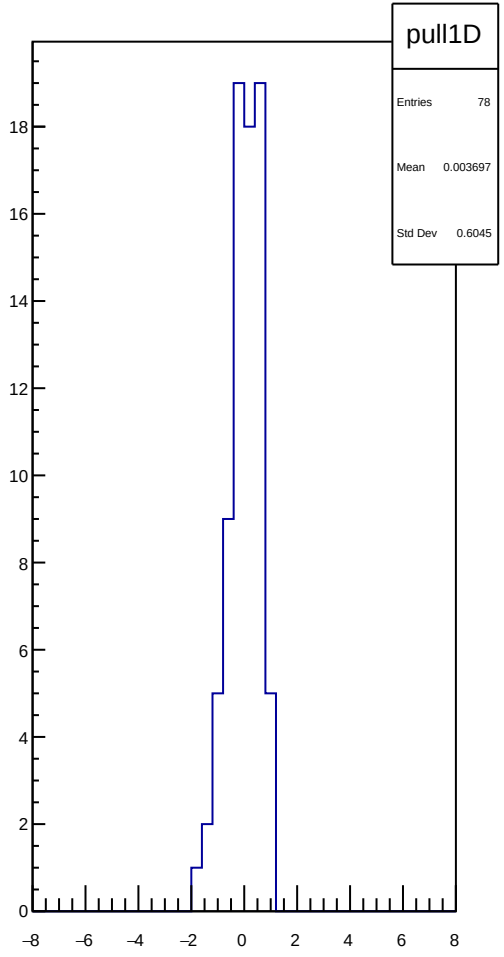

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.02 / 77
p0 35.67 ± 3.149
pull
Entries 78
Mean −86.31
Std Dev 96.19

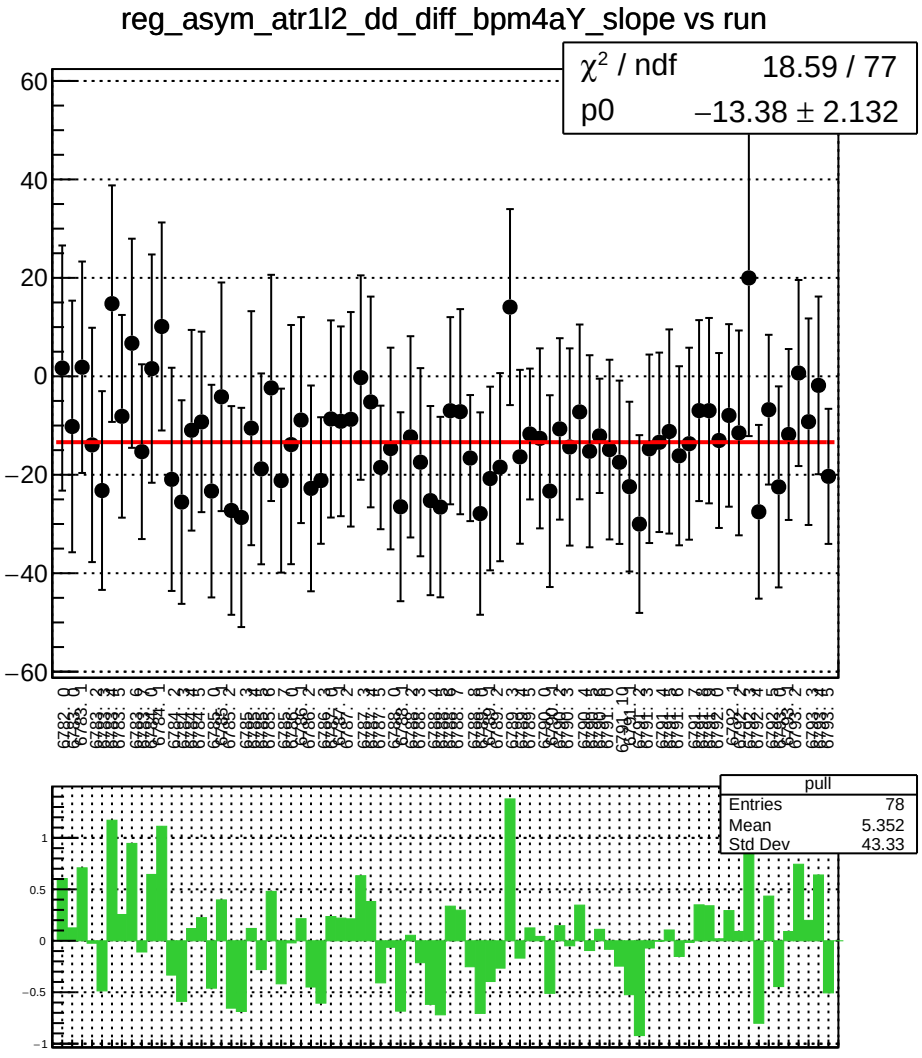

pull1D
Entries 78
Mean 0.004737
Std Dev 0.4085

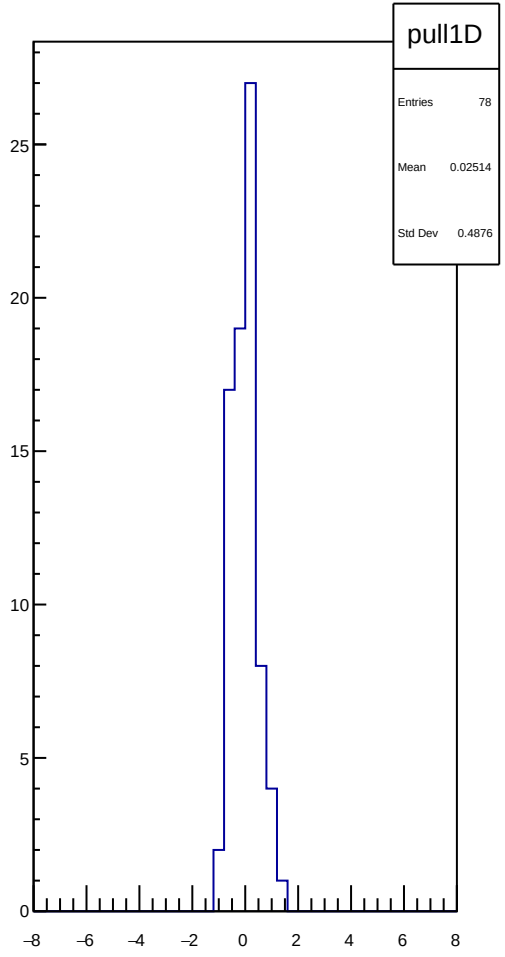

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 32.99 / 77
p0 −152 ± 0.2119
pull
Entries 78
Mean 126.1
Std Dev 75.15

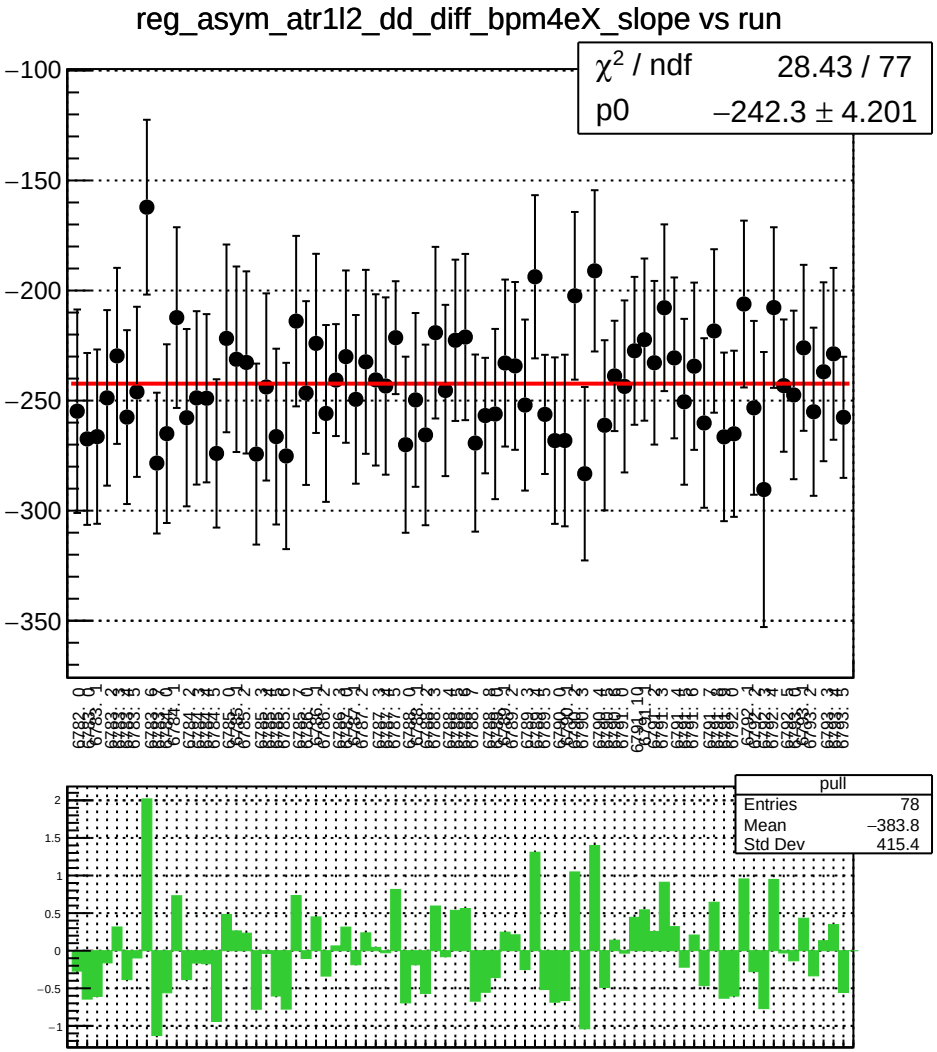

pull1D
Entries 78
Mean 0.00523
Std Dev 0.6503

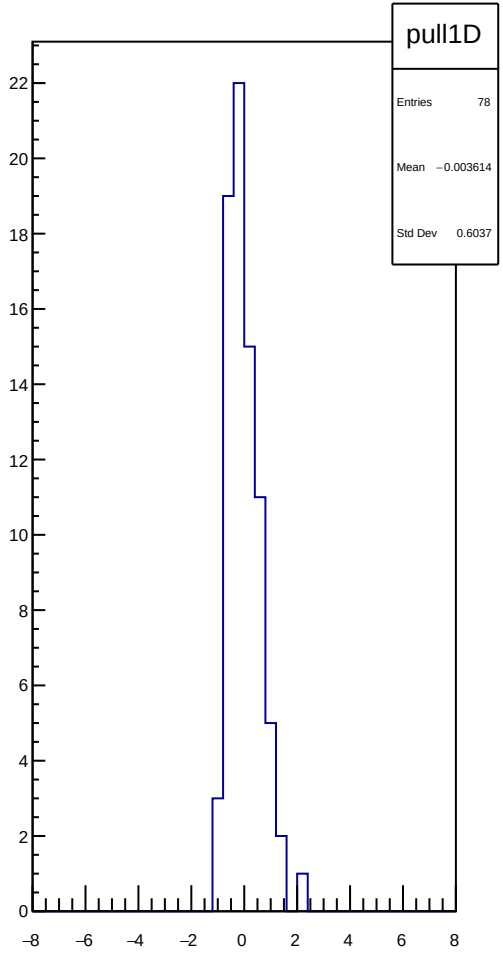

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 28.5 / 77
p0 263.5 ± 4.499
pull
Entries 78
Mean −422.6
Std Dev 456.8

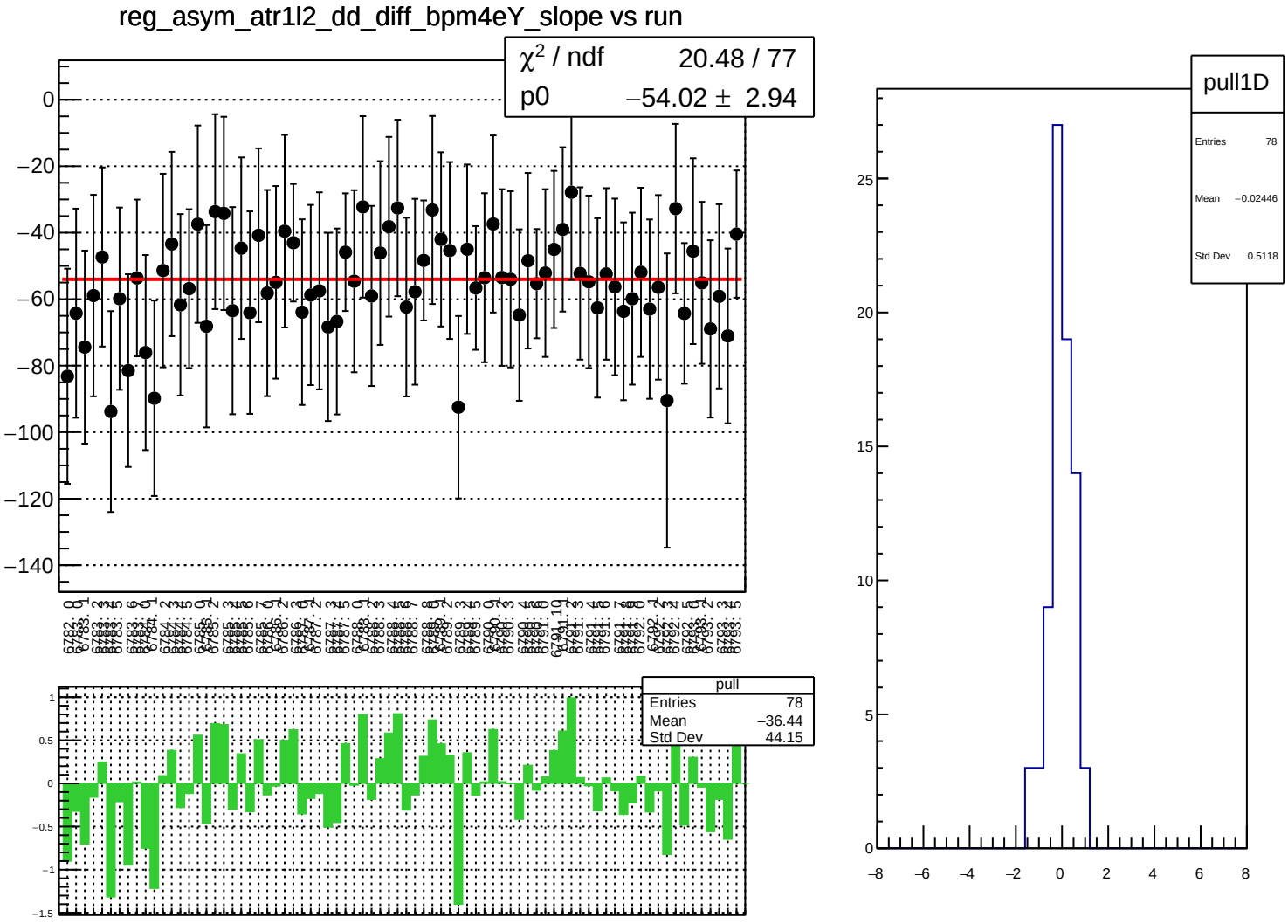

pull1D
Entries 78
Mean 0.003697
Std Dev 0.6045

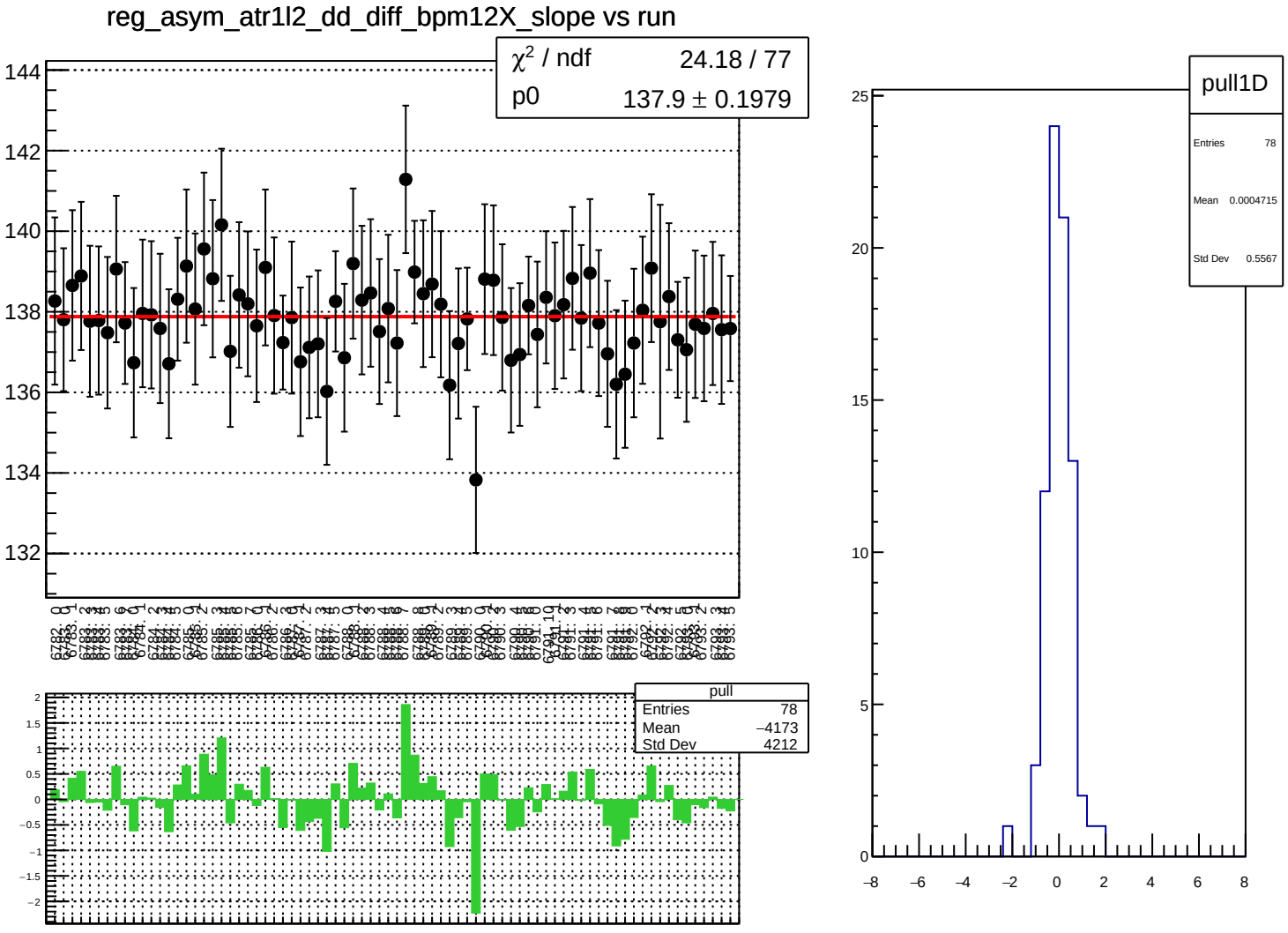

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.59 / 77
p0 −13.38 ± 2.132
pull
Entries 78
Mean 5.352
Std Dev 43.33

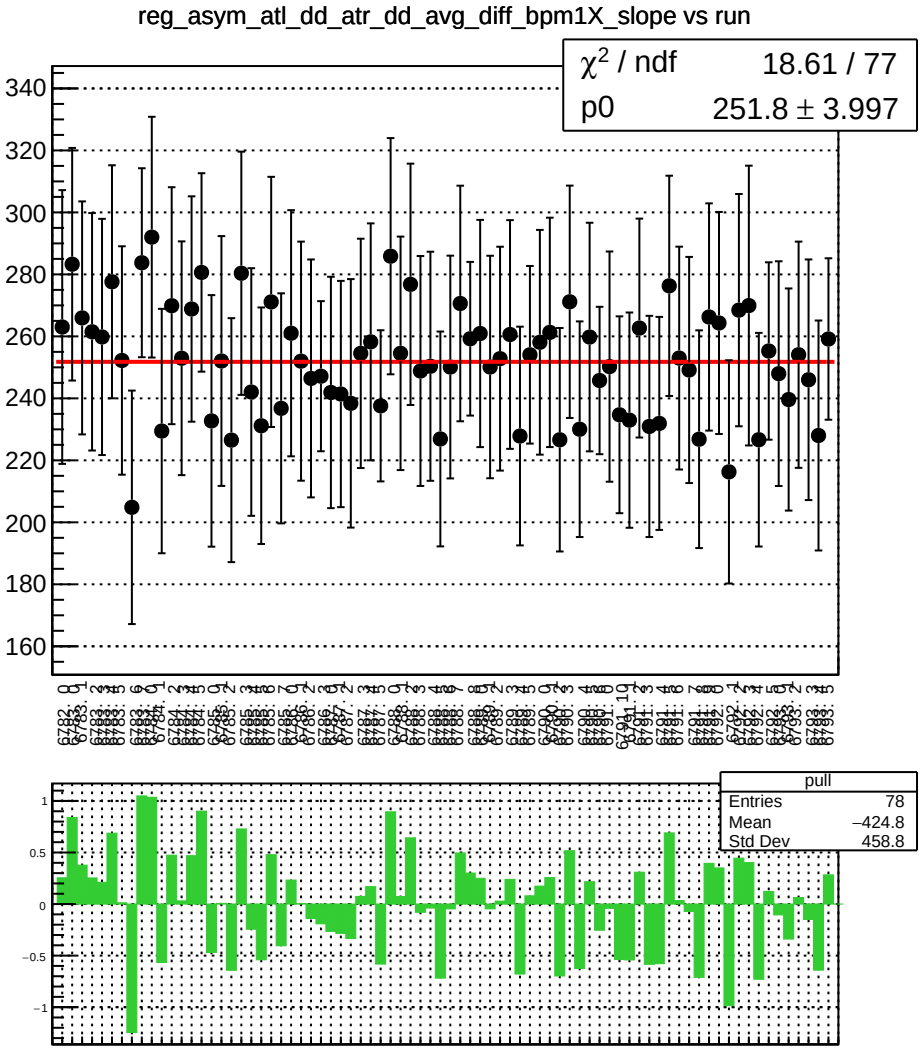

pull1D
Entries 78
Mean 0.02514
Std Dev 0.4876

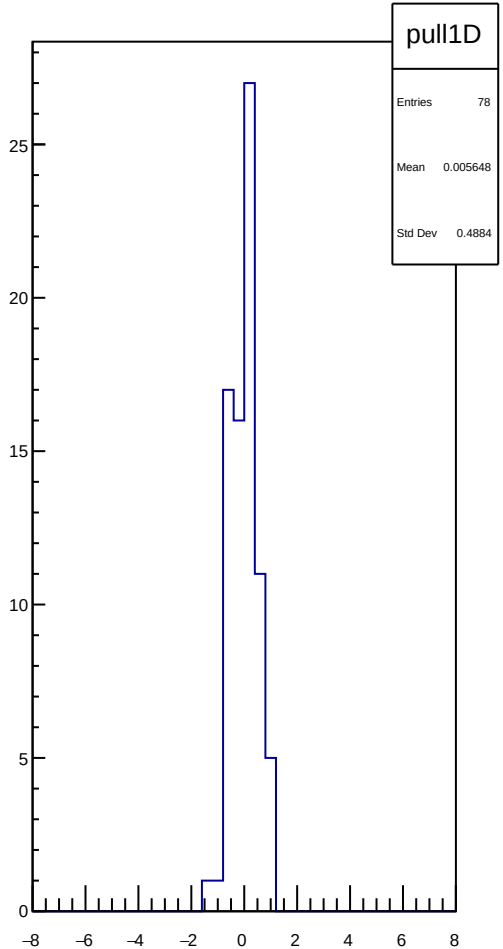

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 28.43 / 77
p0 −242.3 ± 4.201
pull
Entries 78
Mean −383.8
Std Dev 415.4

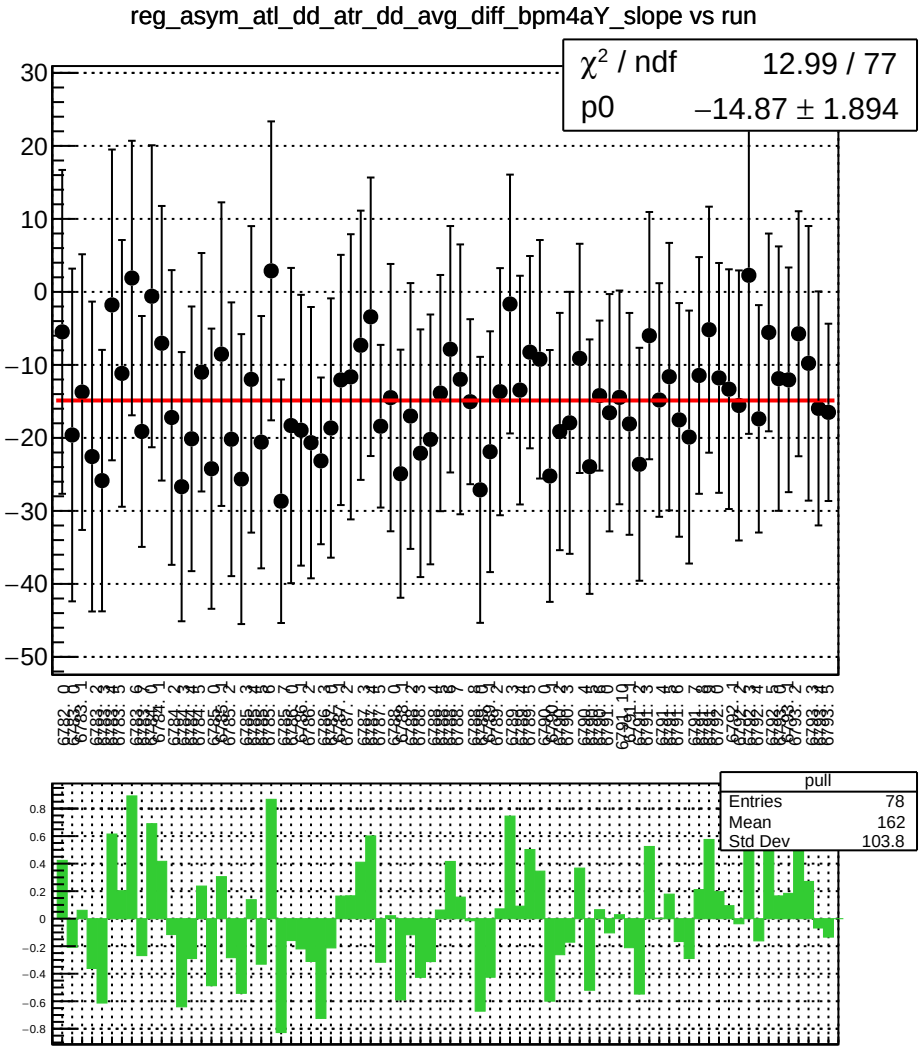

pull1D
Entries 78
Mean −0.003614
Std Dev 0.6037

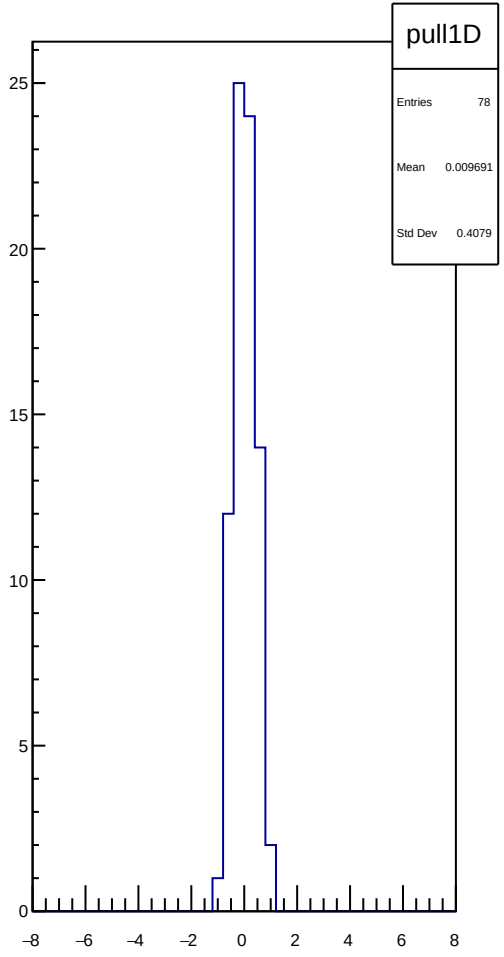

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 20.48 / 77
p0 −54.02 ± 2.94
pull
Entries 78
Mean −36.44
Std Dev 44.15
pull1D
Entries 78
Mean −0.02446
Std Dev 0.5118

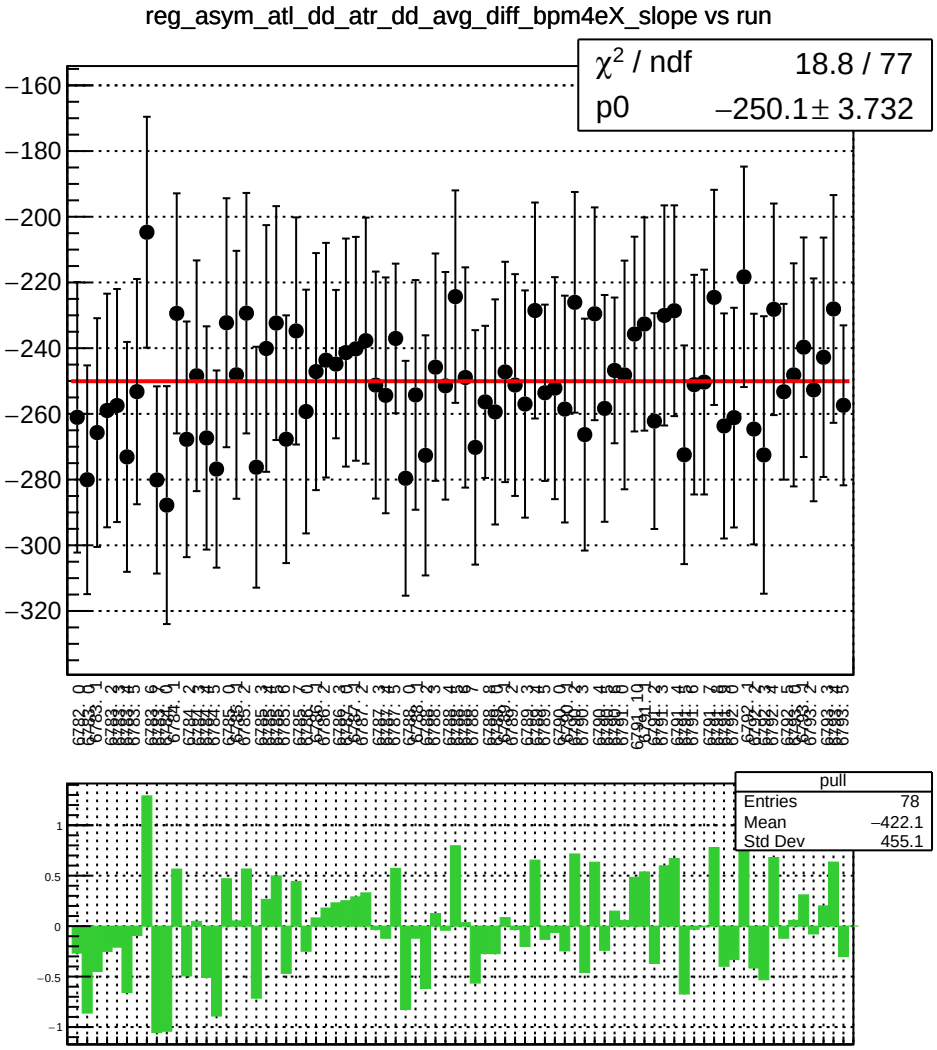

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.18 / 77
p0 137.9 ± 0.1979
144
142
140
138
136
134
132
pull
Entries 78
Mean −4173
Std Dev 4212
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.0004715
Std Dev 0.5567
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

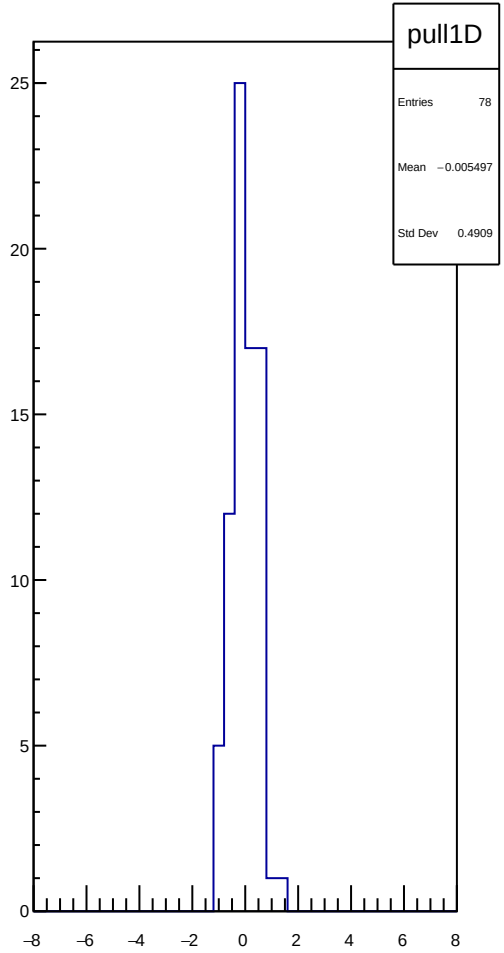

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.61 / 77
p0 251.8 ± 3.997
pull
Entries 78
Mean −424.8
Std Dev 458.8

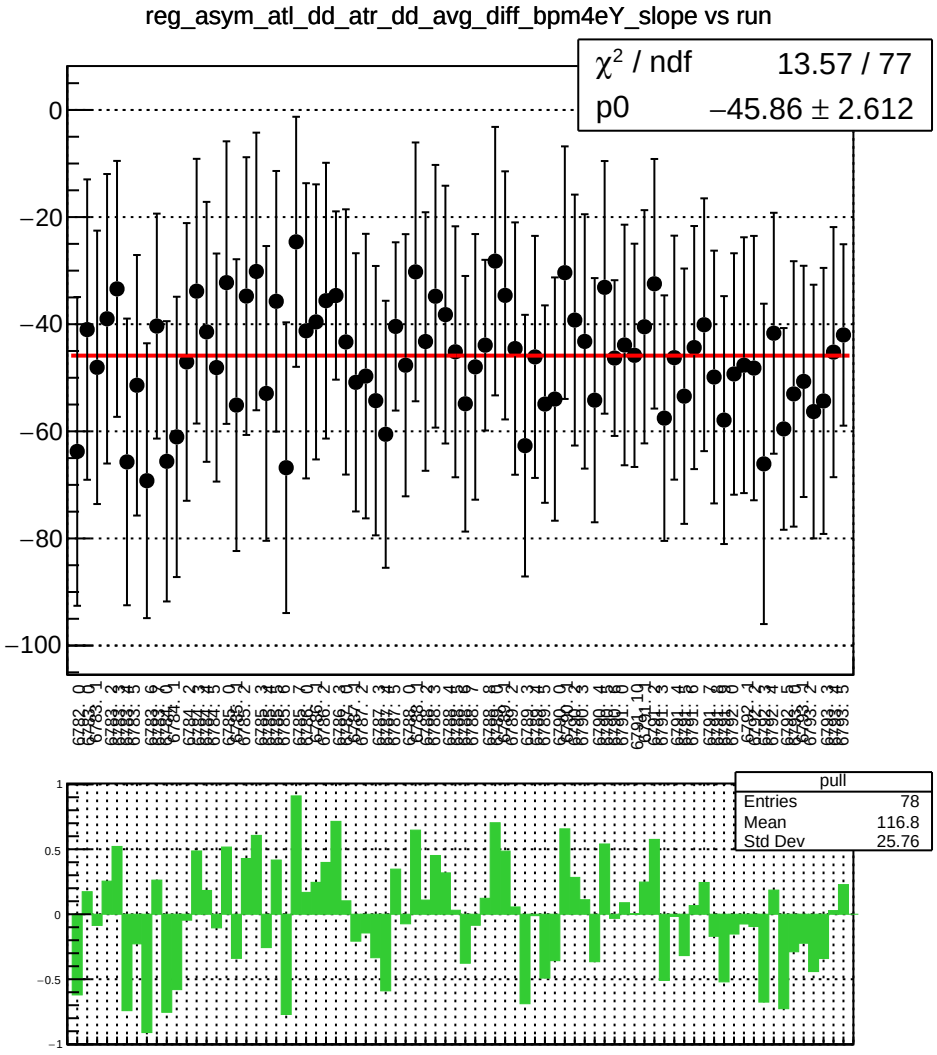

pull1D
Entries 78
Mean 0.005648
Std Dev 0.4884

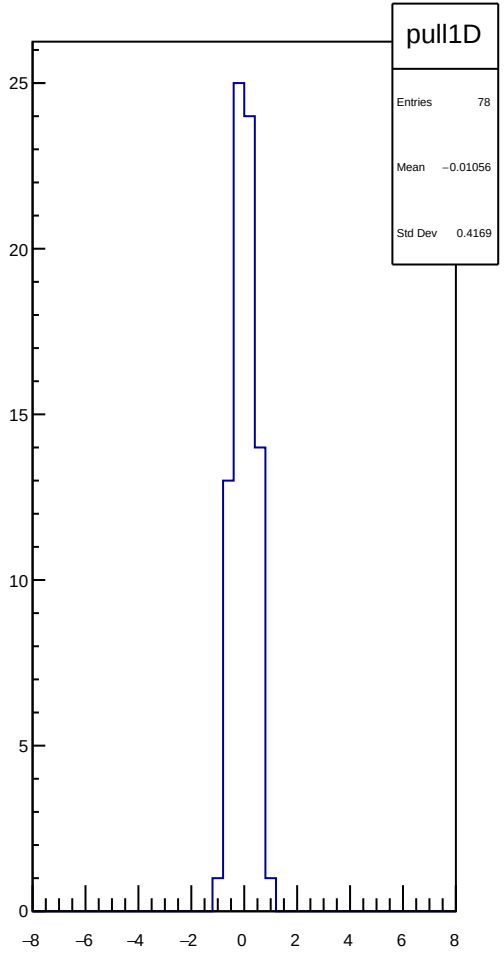

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 77
p0 −14.87 ± 1.894
pull
Entries 78
Mean 162
Std Dev 103.8

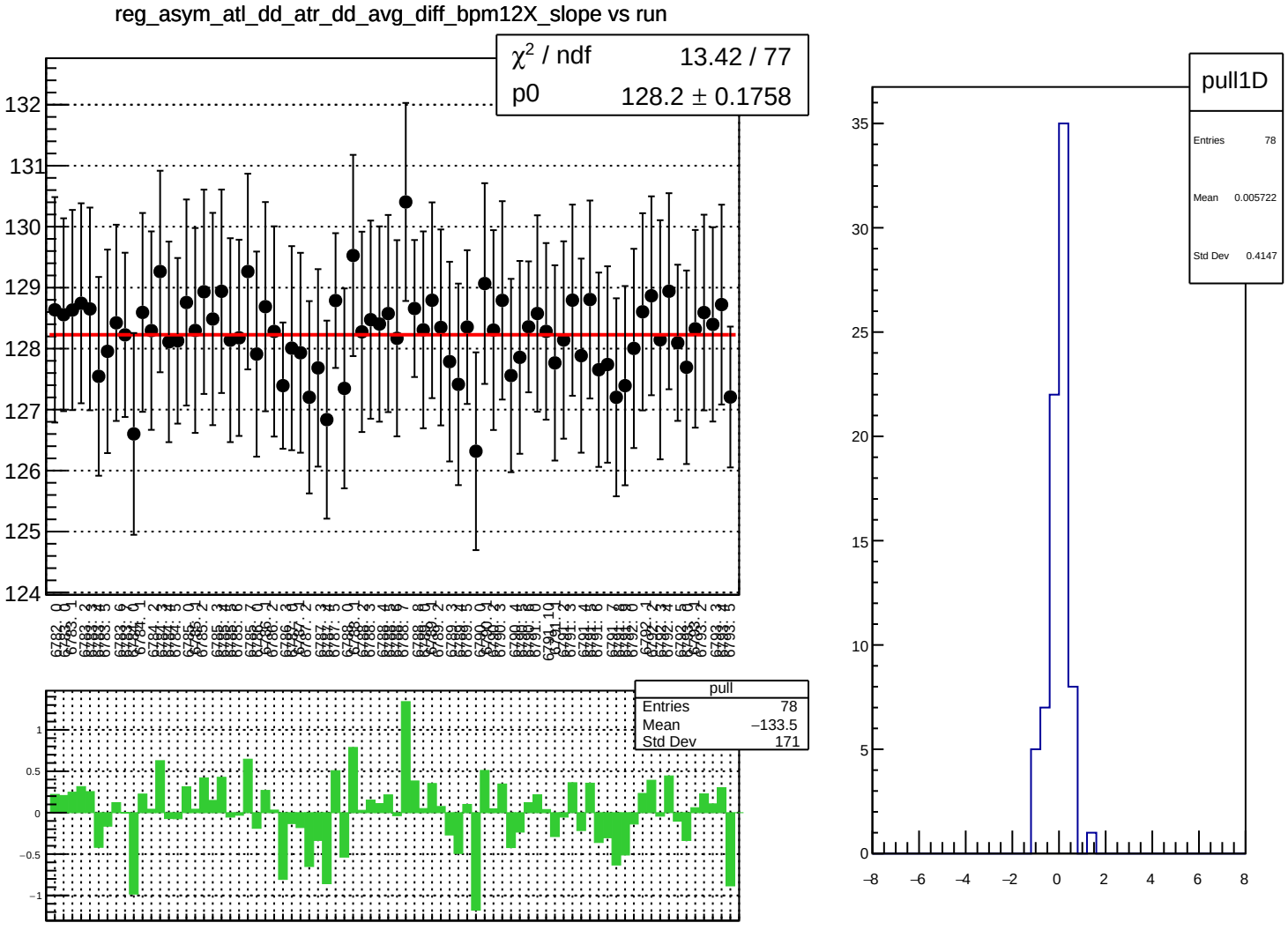

pull1D
Entries 78
Mean 0.009691
Std Dev 0.4079


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.8 / 77
p0 −250.1 ± 3.732
pull
Entries 78
Mean −422.1
Std Dev 455.1

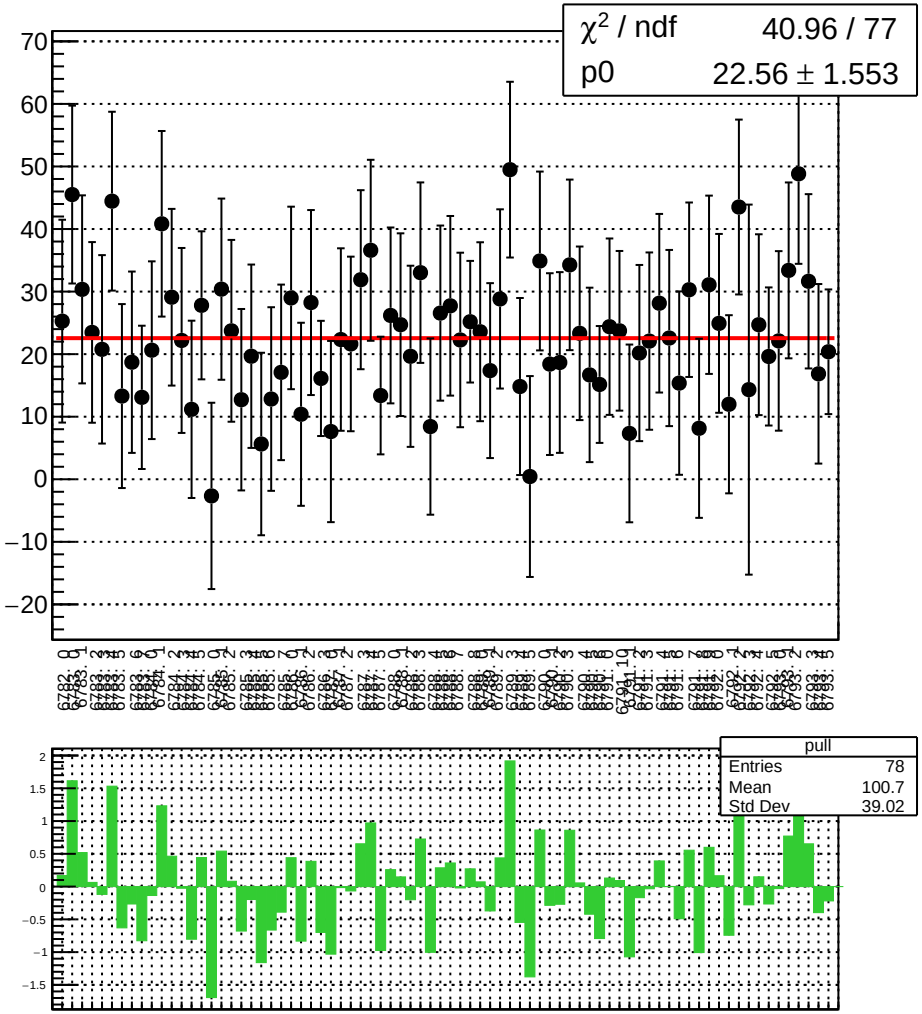

pull1D
Entries 78
Mean −0.005497
Std Dev 0.4909

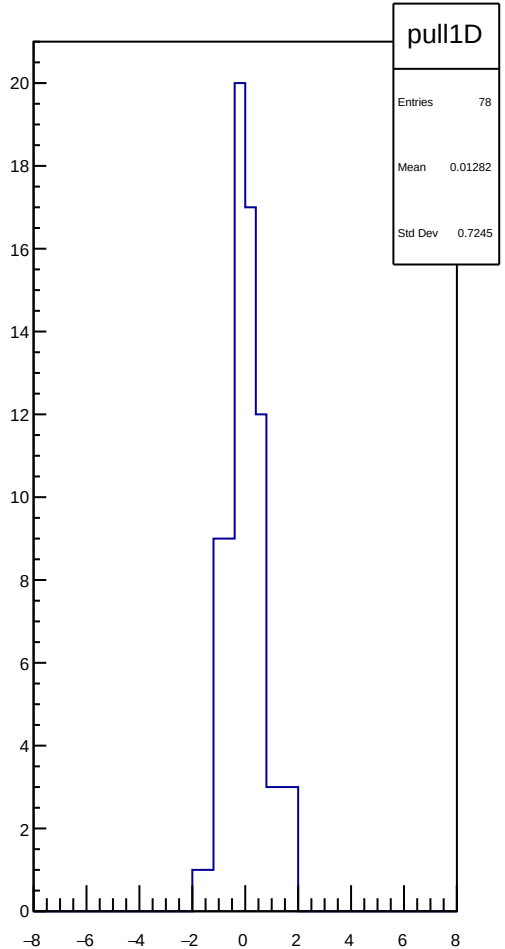

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 77
p0 −45.86 ± 2.612
pull
Entries 78
Mean 116.8
Std Dev 25.76

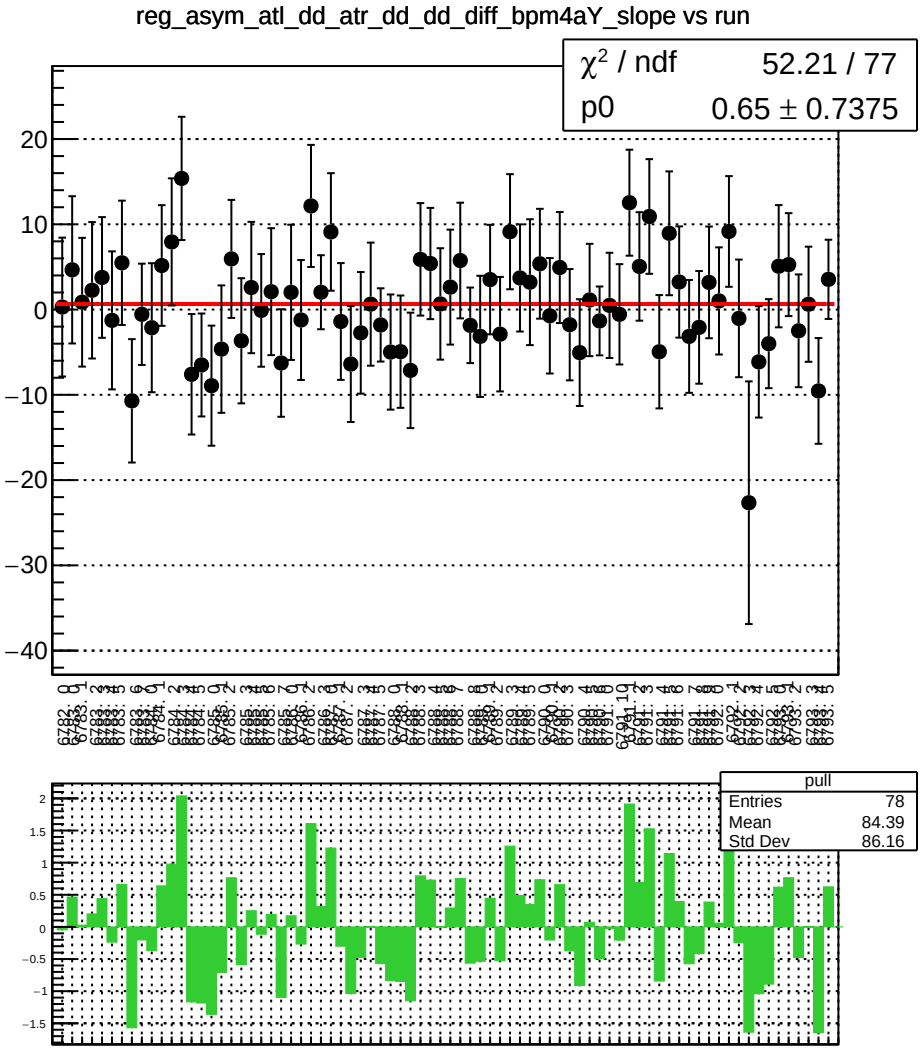

pull1D
Entries 78
Mean −0.01056
Std Dev 0.4169

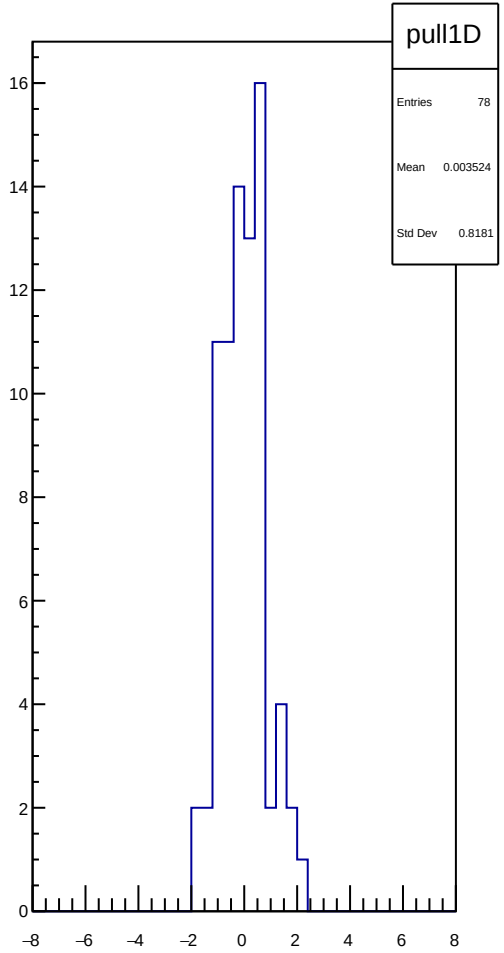

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.42 / 77
p0 128.2 ± 0.1758
pull
Entries 78
Mean −133.5
Std Dev 171
pull1D
Entries 78
Mean 0.005722
Std Dev 0.4147

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

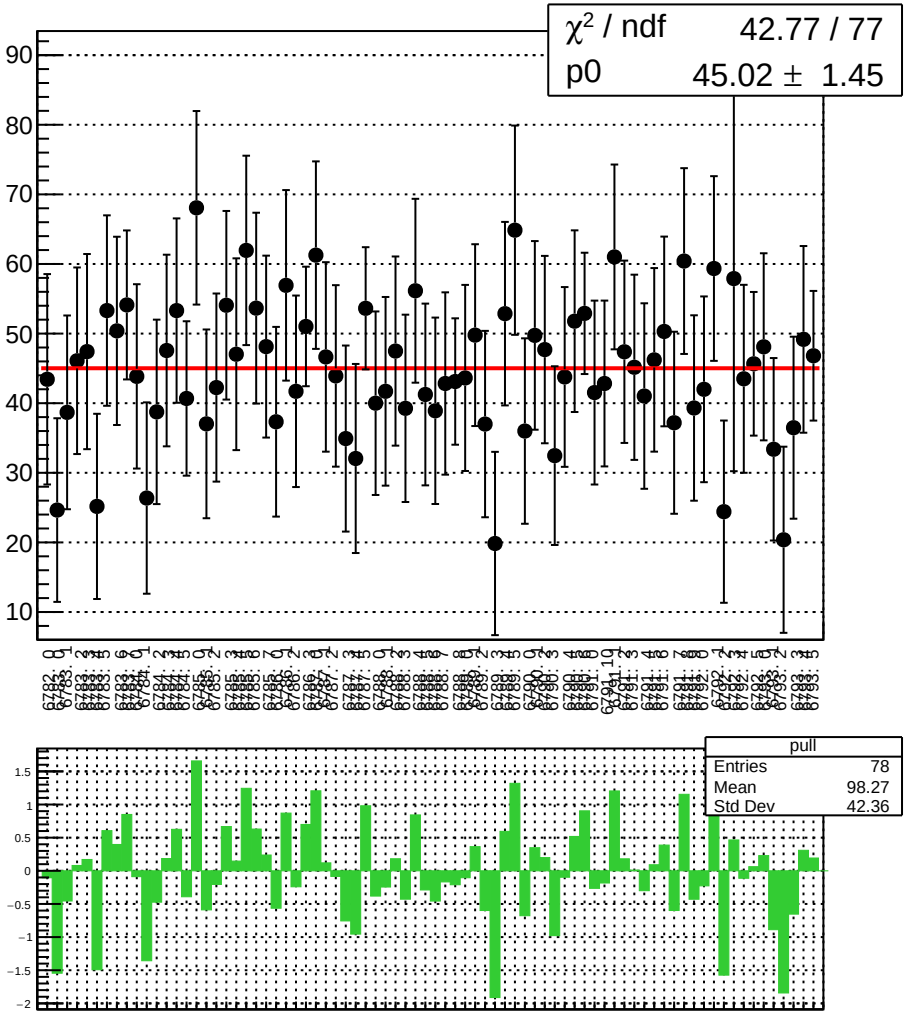


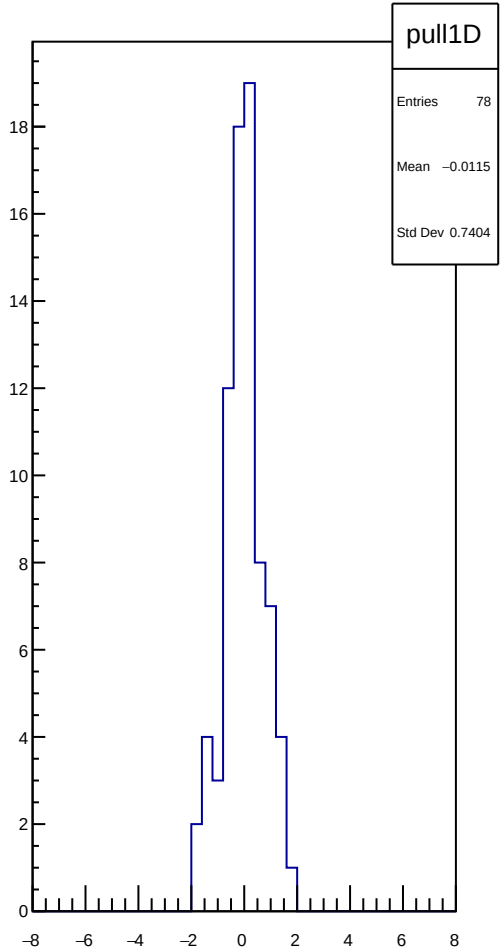


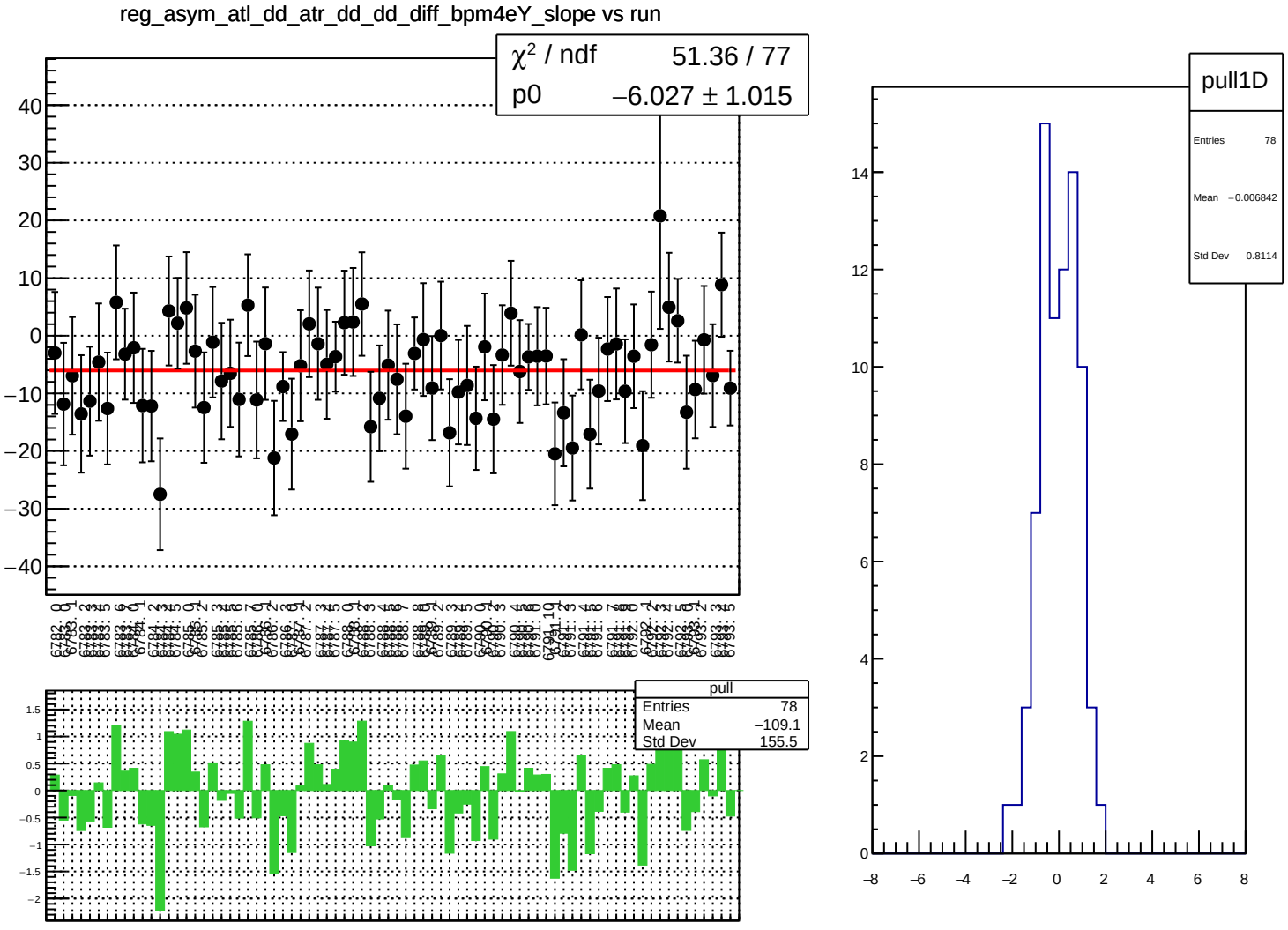

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.21 / 77
p0 0.65 ± 0.7375
pull
Entries 78
Mean 84.39
Std Dev 86.16

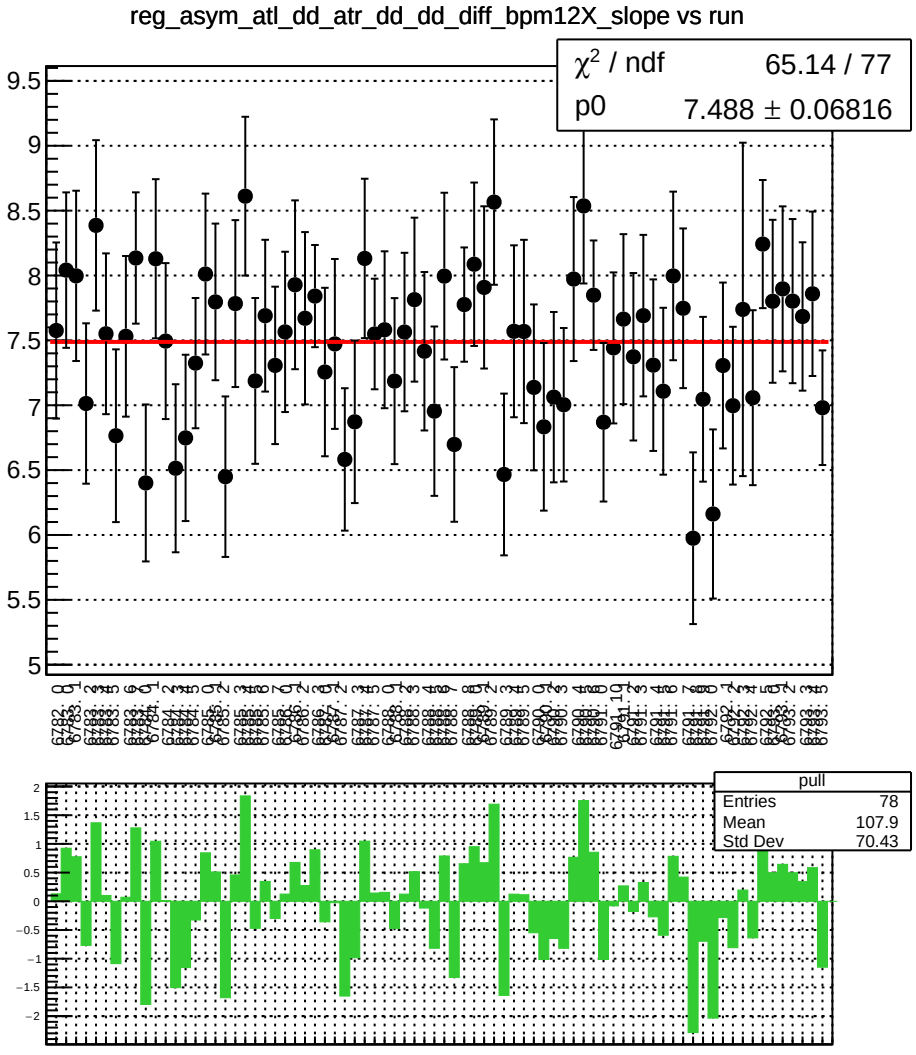

pull1D
Entries 78
Mean 0.003524
Std Dev 0.8181

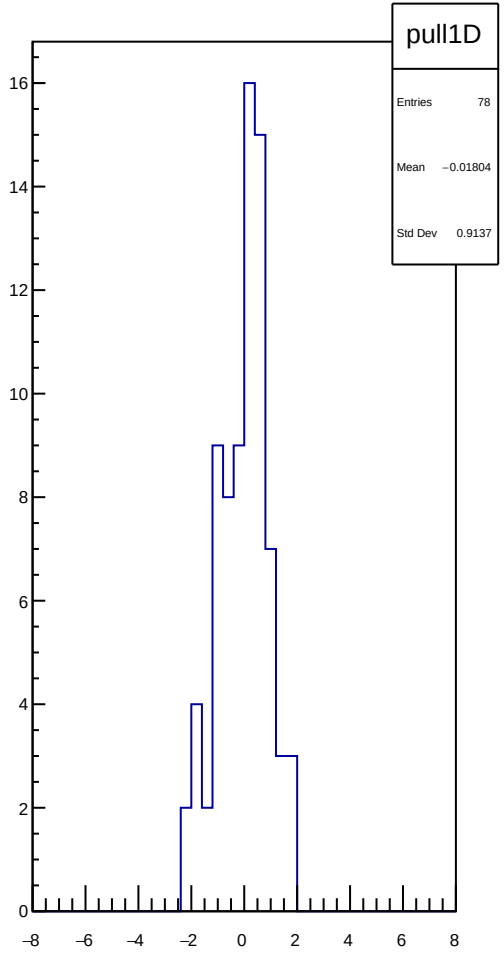
reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run

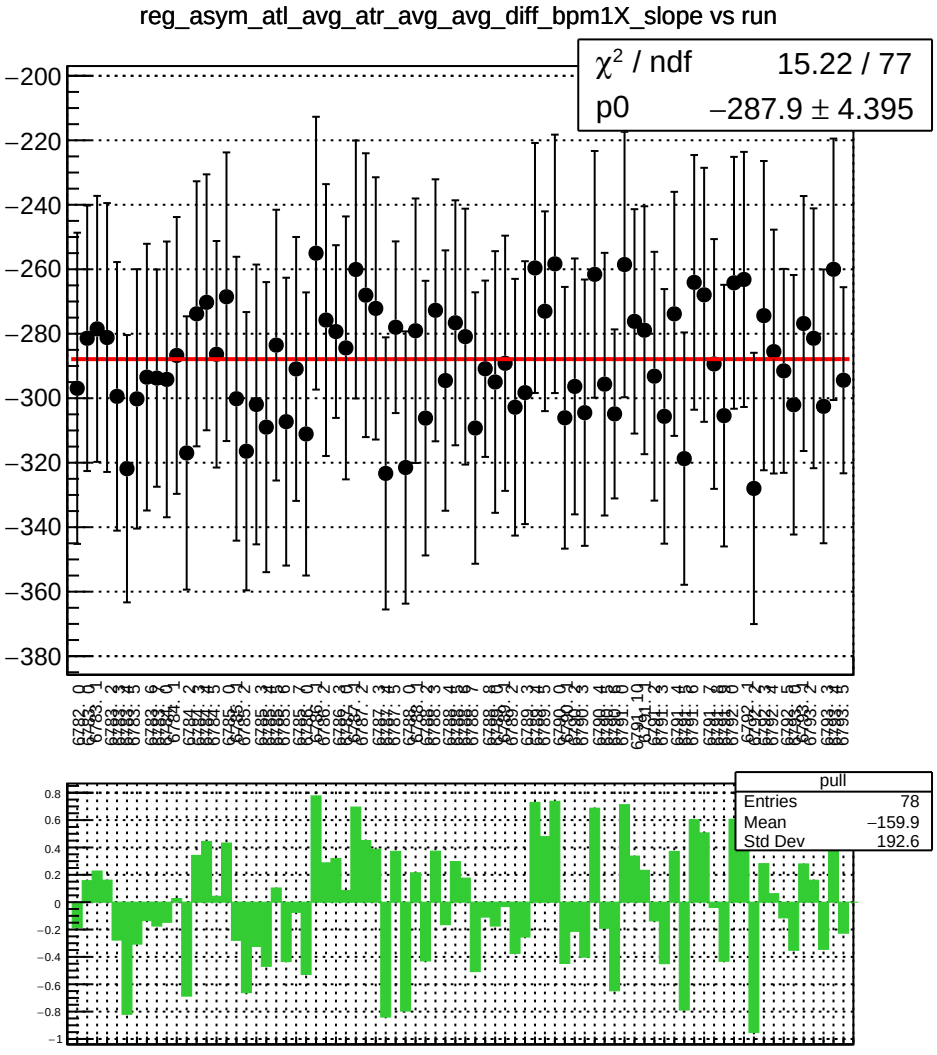


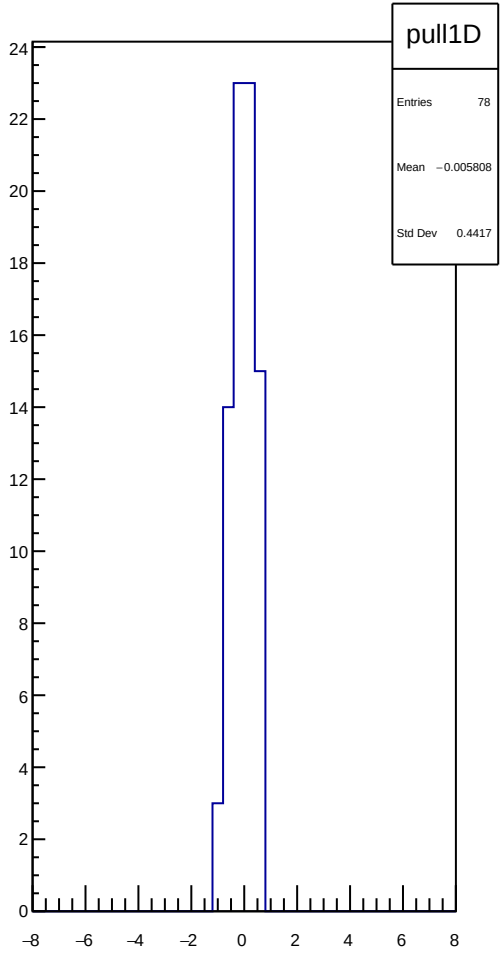


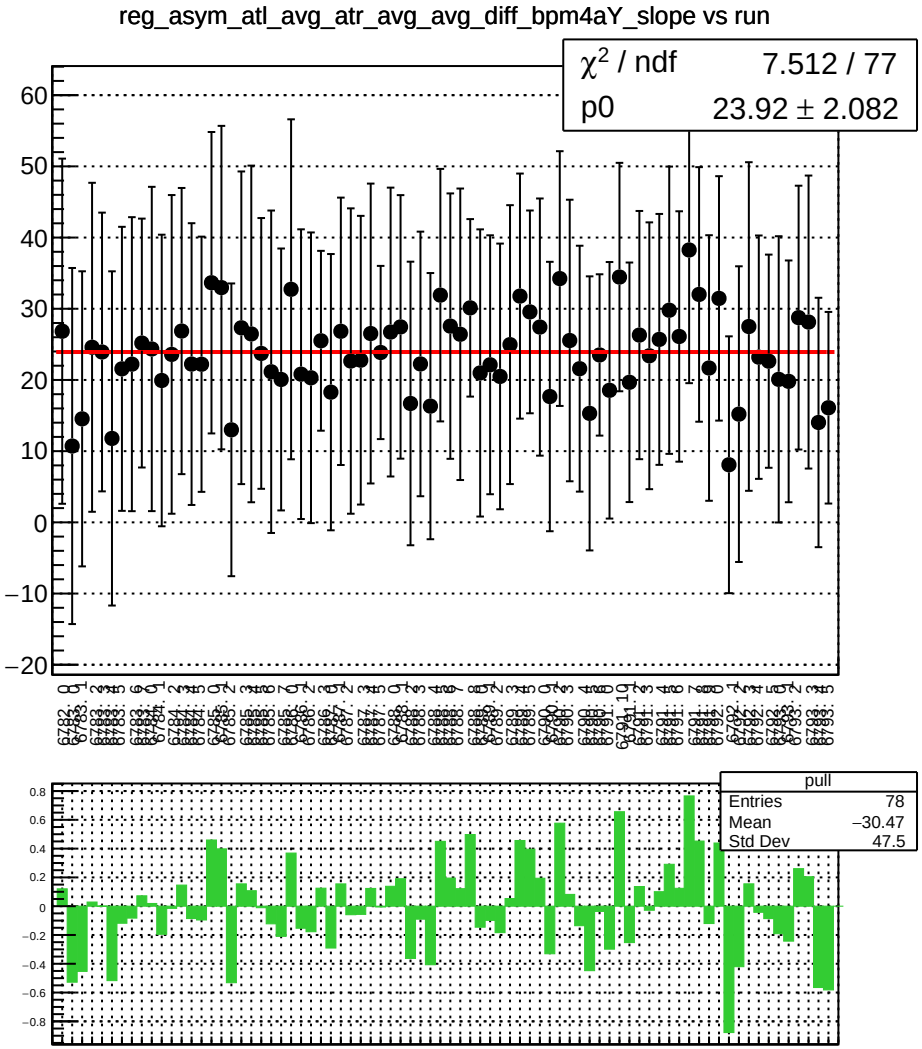

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.36 / 77
p0 −6.027 ± 1.015
pull
Entries 78
Mean −109.1
Std Dev 155.5
pull1D
Entries 78
Mean −0.006842
Std Dev 0.8114

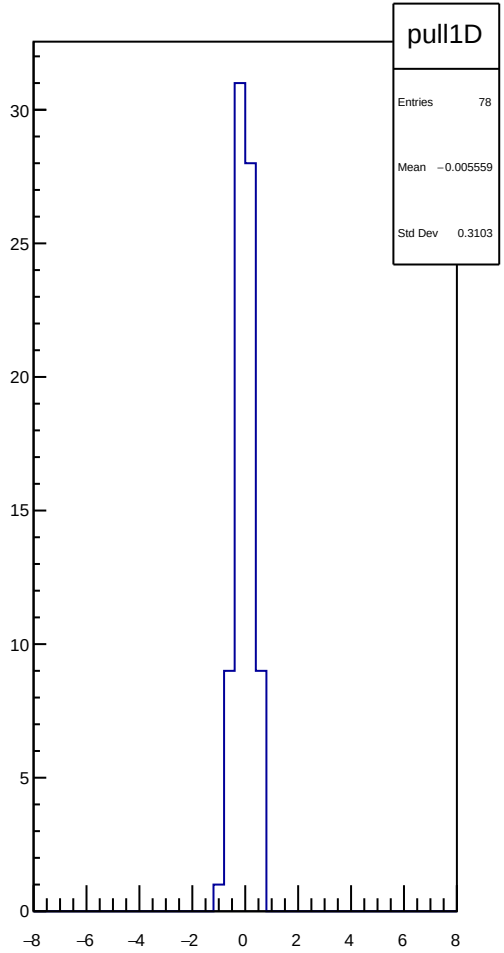

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 65.14 / 77
p0 7.488 ± 0.06816
pull
Entries 78
Mean 107.9
Std Dev 70.43


pull1D
Entries 78
Mean −0.01804
Std Dev 0.9137

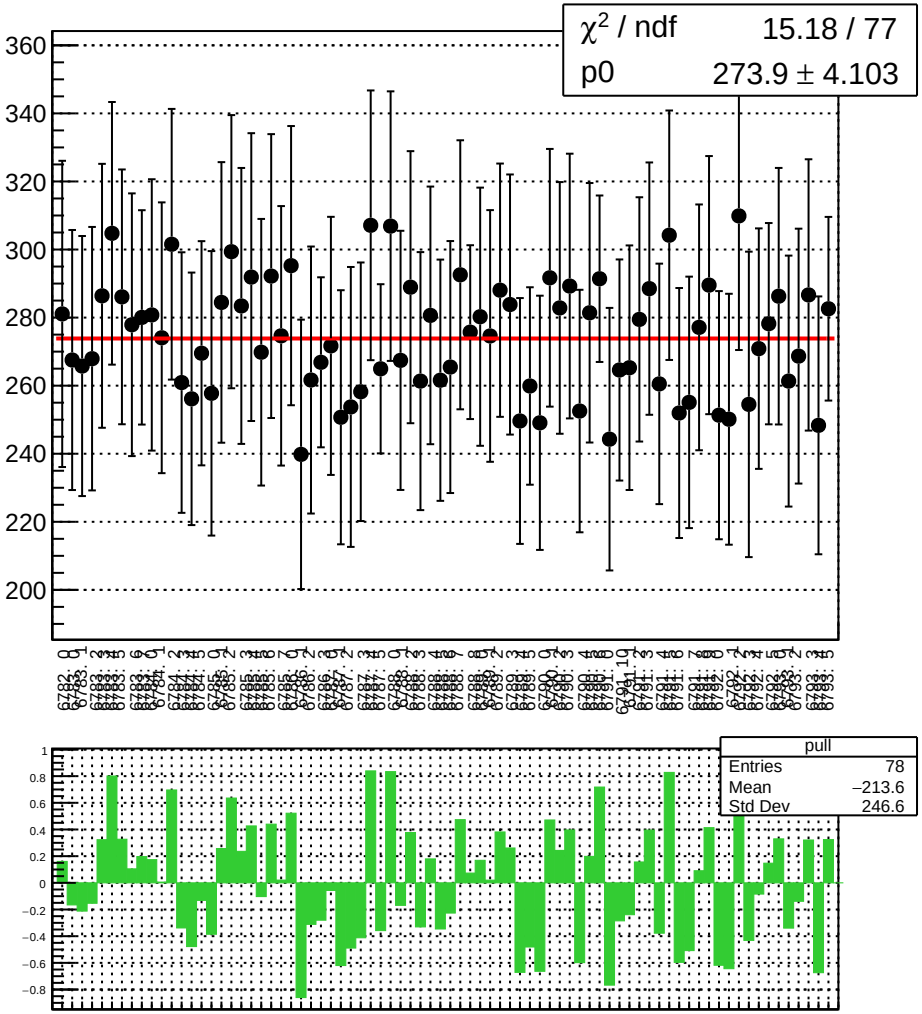

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 15.22 / 77
p0 −287.9 ± 4.395
pull
Entries 78
Mean −159.9
Std Dev 192.6

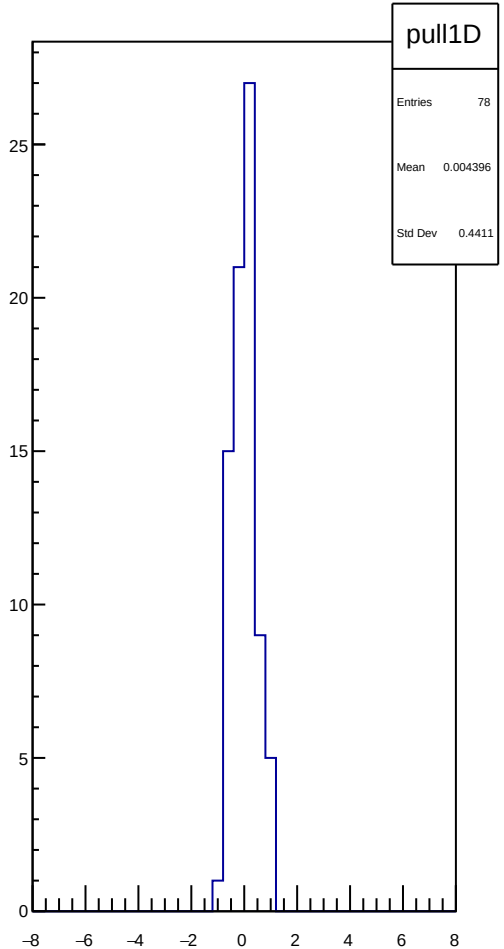

pull1D
Entries 78
Mean −0.005808
Std Dev 0.4417

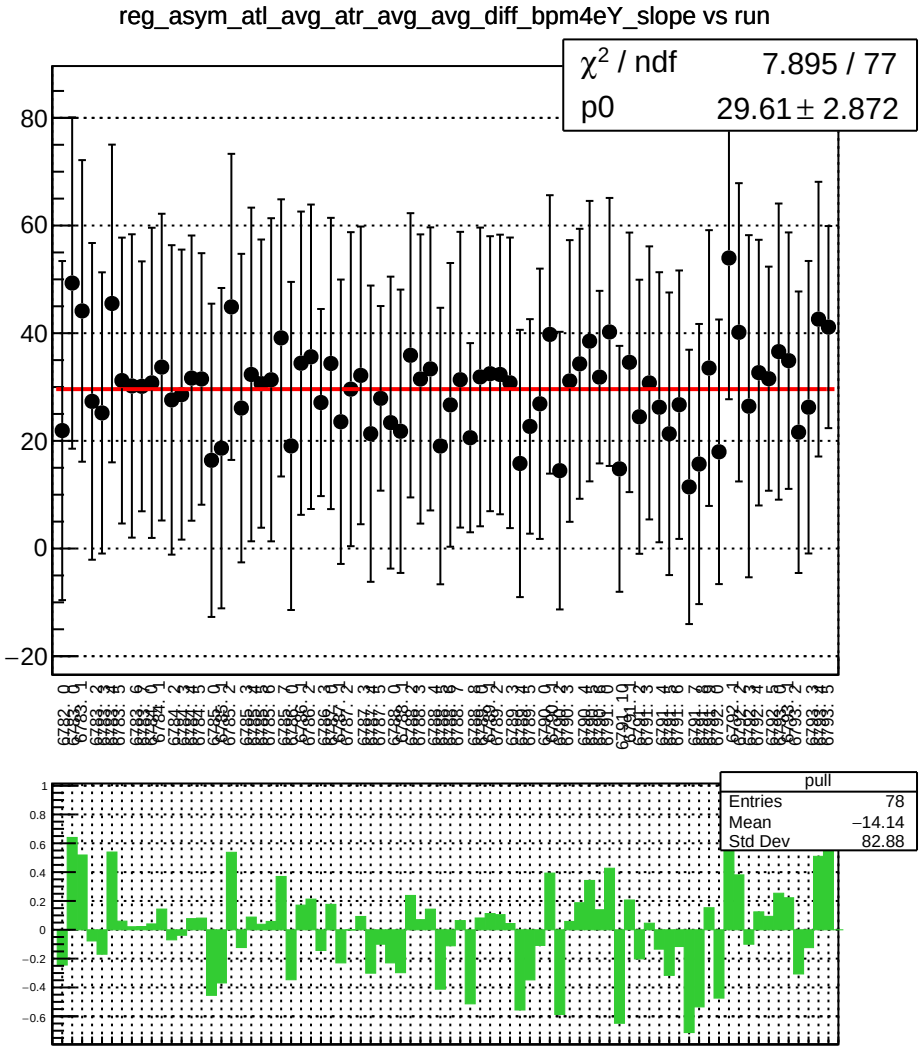

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.512 / 77
p0 23.92 ± 2.082
pull
Entries 78
Mean −30.47
Std Dev 47.5

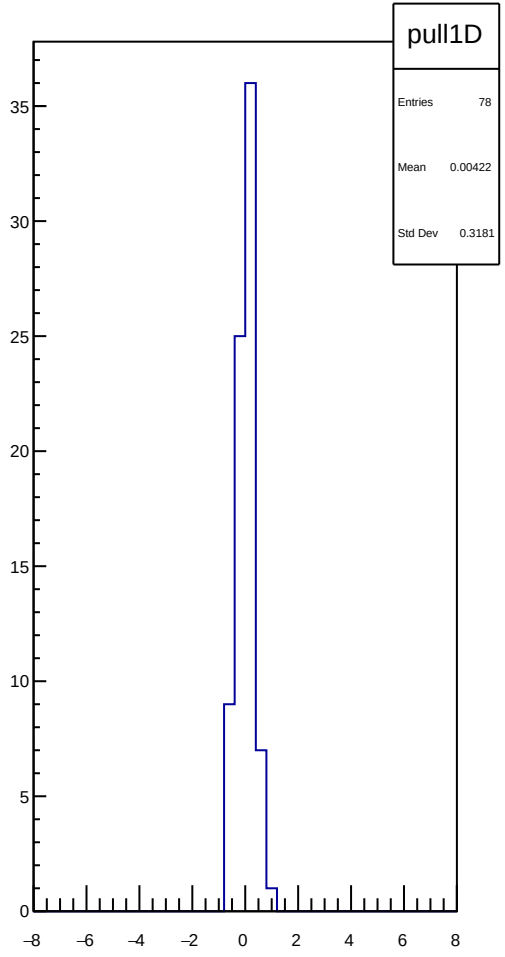

pull1D
Entries 78
Mean −0.005559
Std Dev 0.3103

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

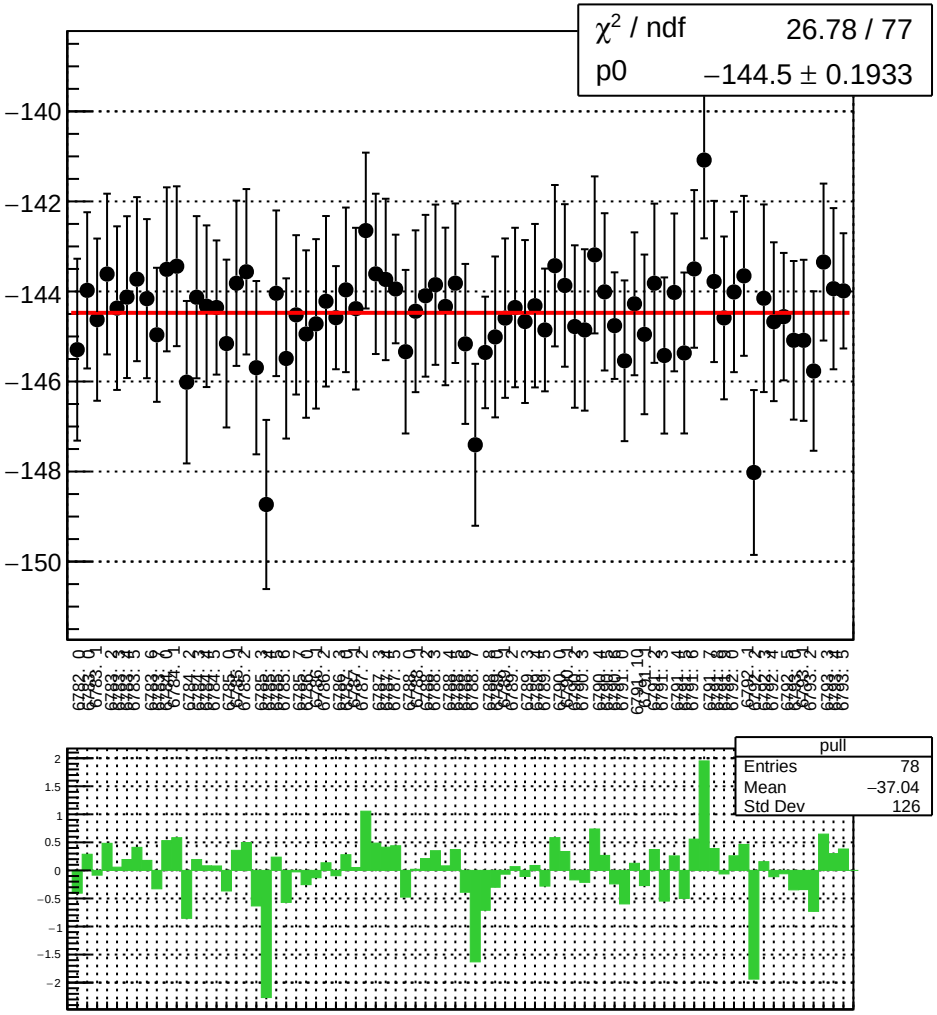


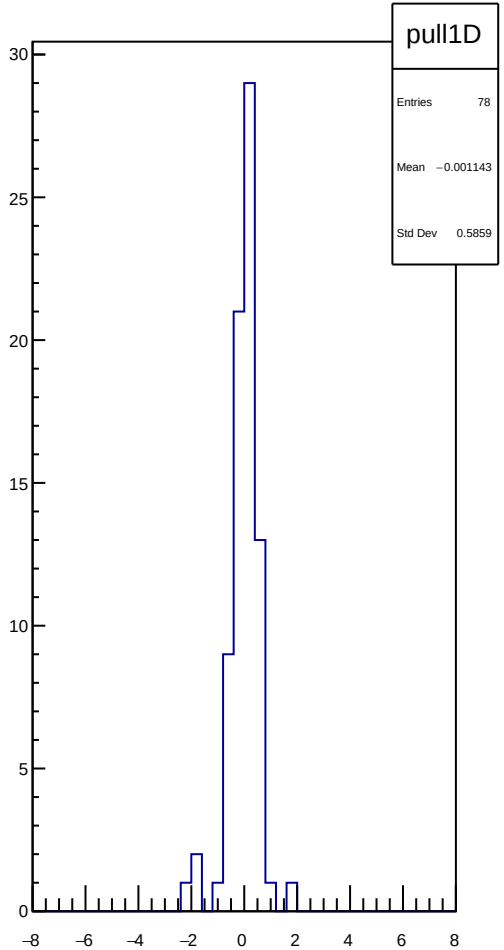


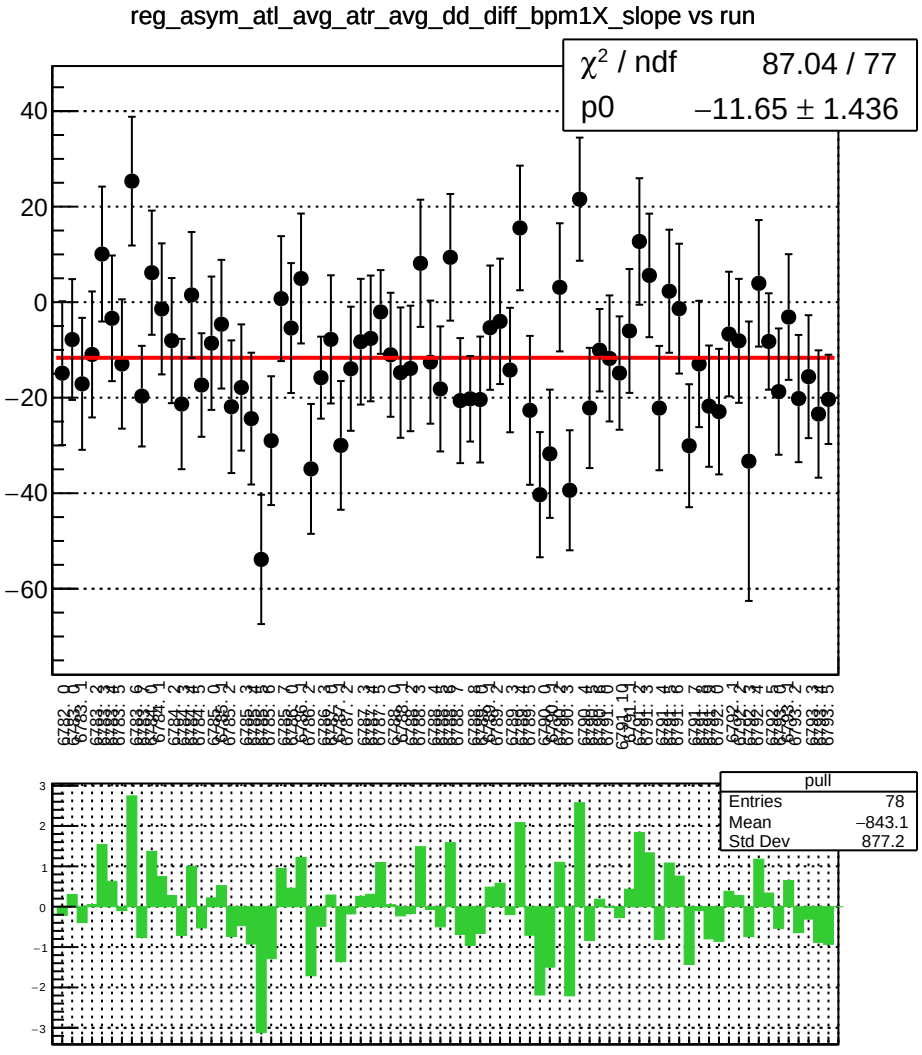

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.895 / 77
p0 29.61 ± 2.872
pull
Entries 78
Mean −14.14
Std Dev 82.88

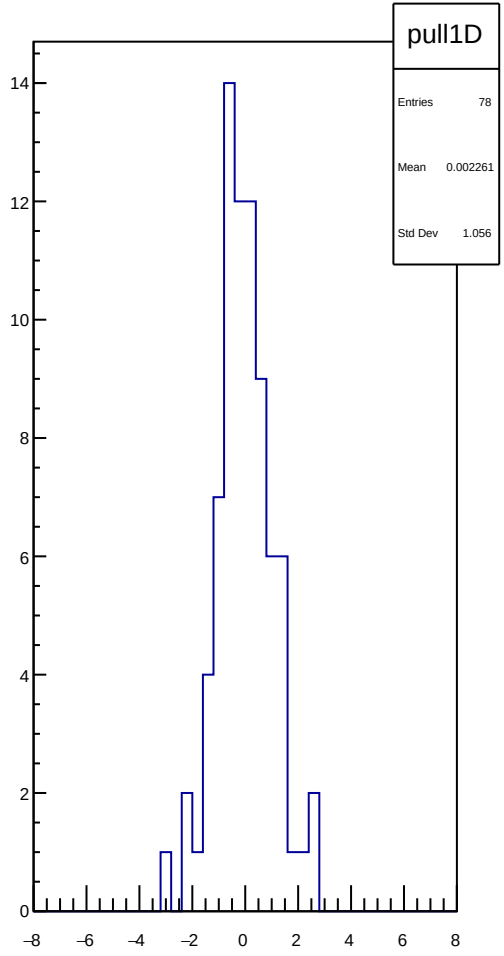

pull1D
Entries 78
Mean 0.00422
Std Dev 0.3181

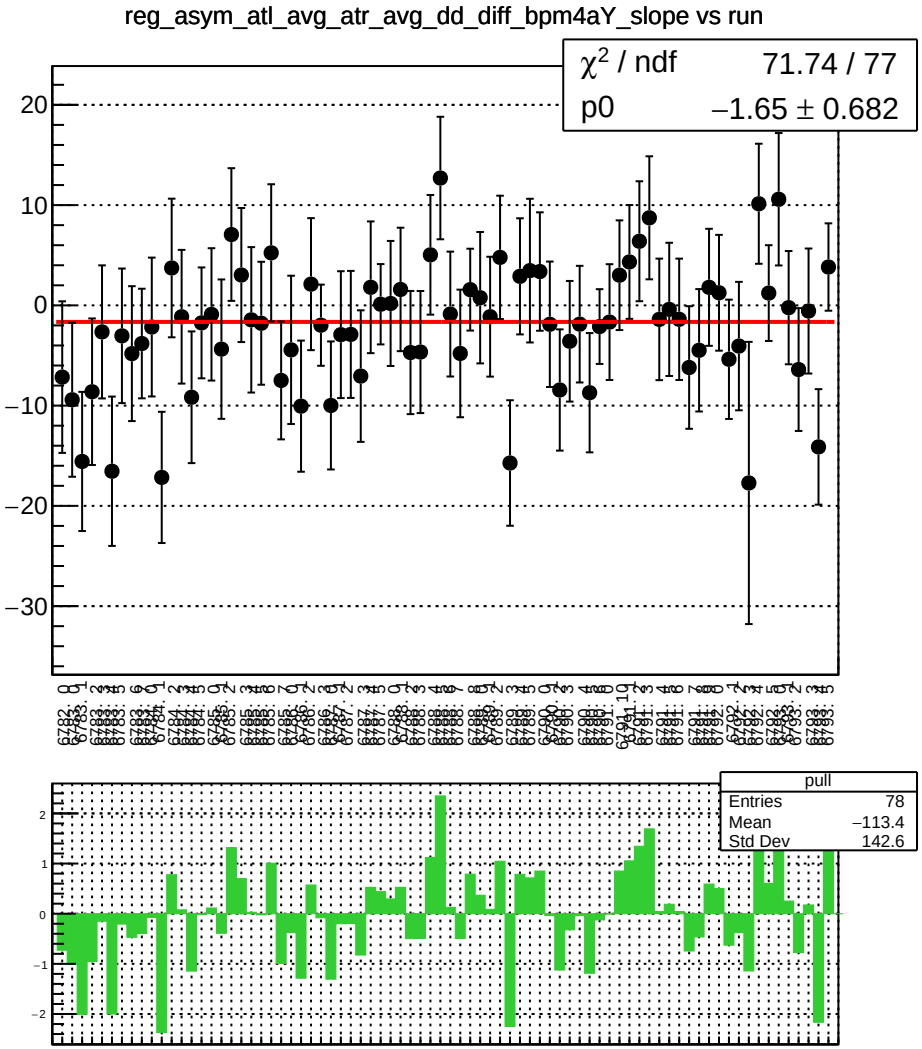
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

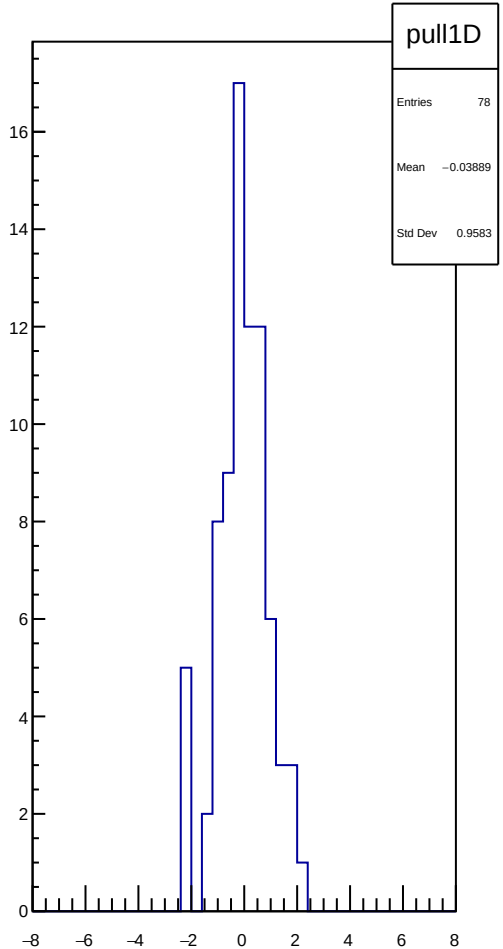




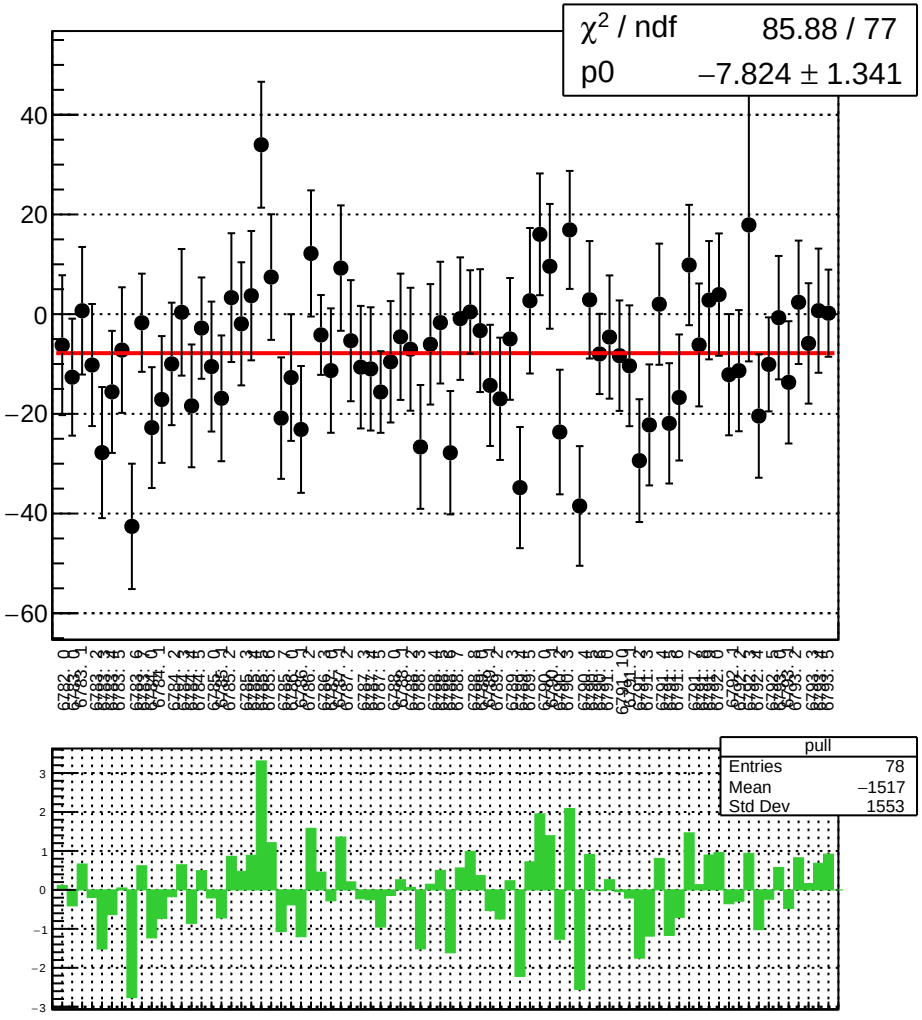

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 87.04 / 77
p0 −11.65 ± 1.436
pull
Entries 78
Mean −843.1
Std Dev 877.2

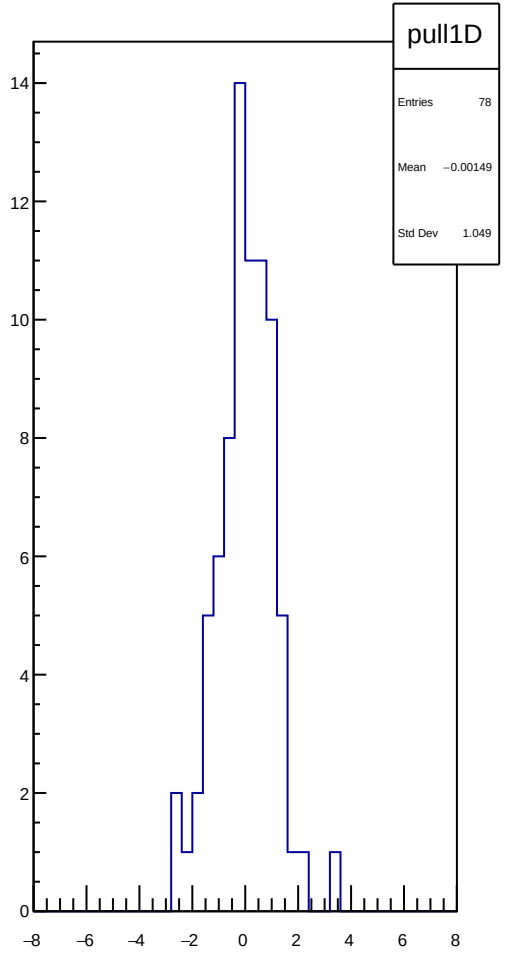

pull1D
Entries 78
Mean 0.002261
Std Dev 1.056

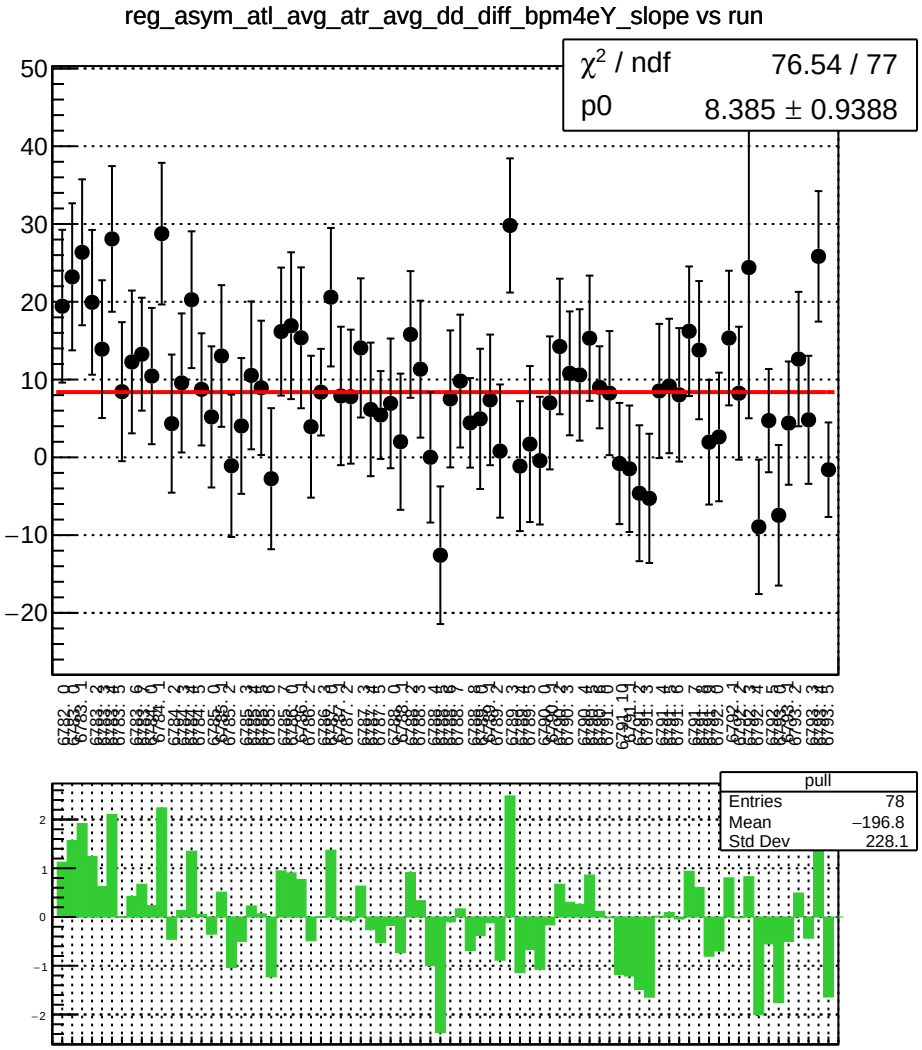

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.74 / 77
p0 −1.65 ± 0.682
pull
Entries 78
Mean −113.4
Std Dev 142.6

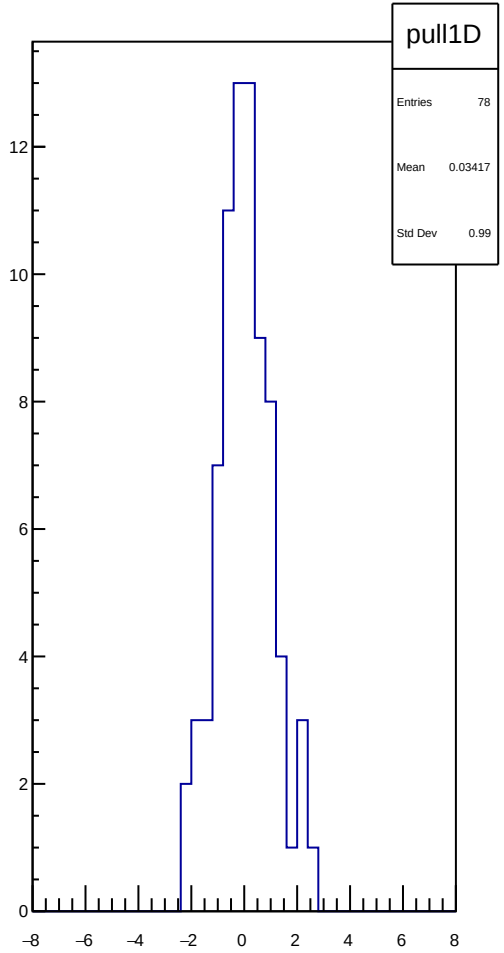

pull1D
Entries 78
Mean −0.03889
Std Dev 0.9583

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

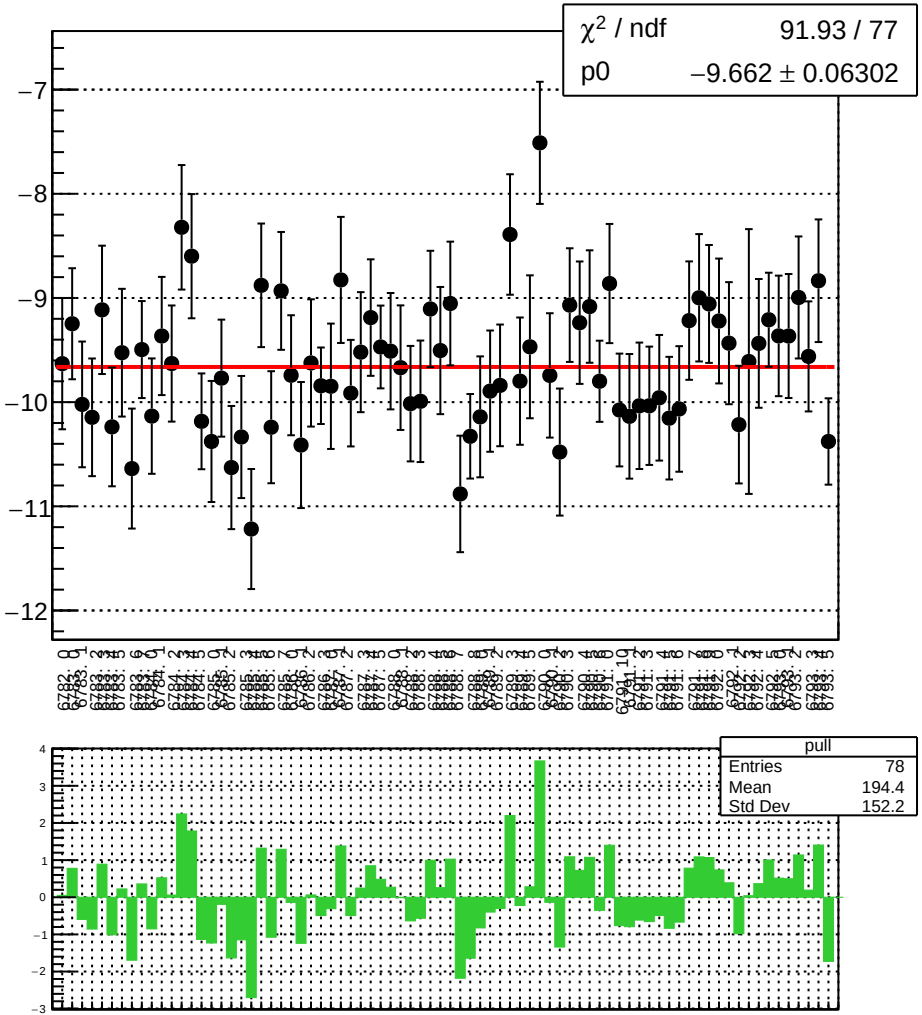


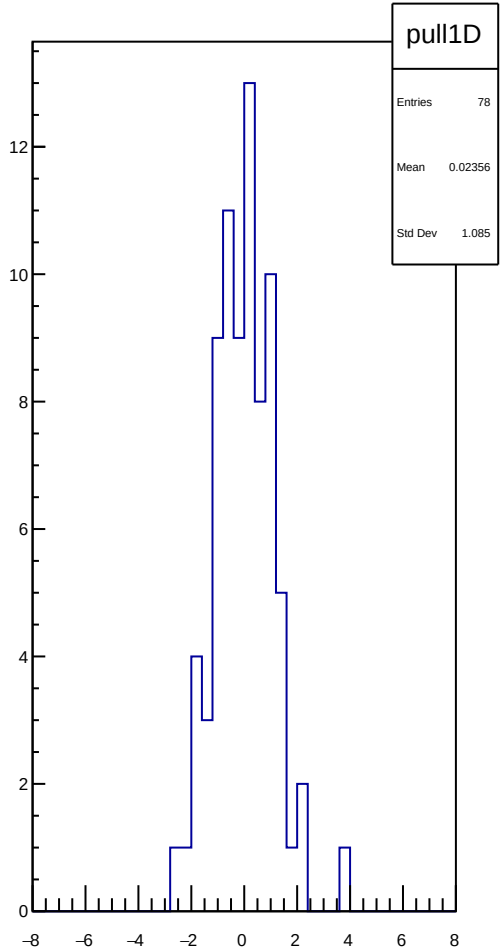


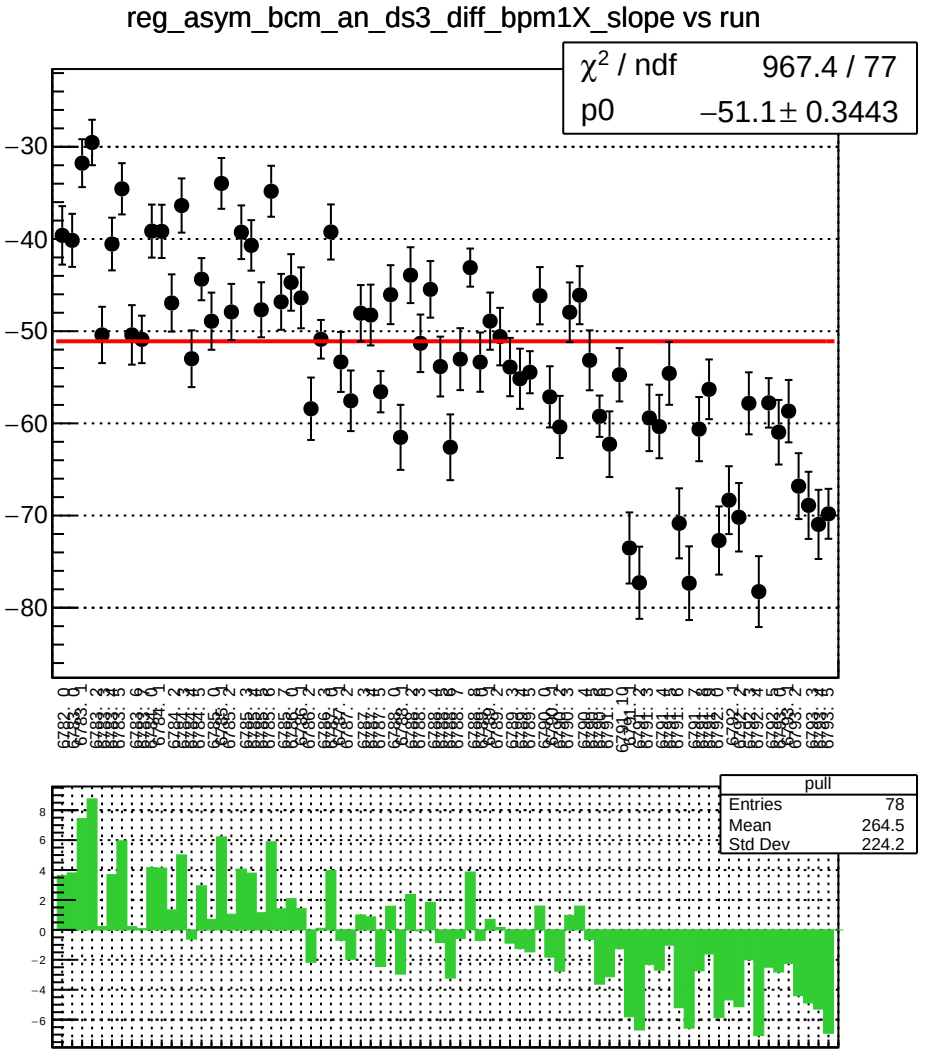

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.54 / 77
p0 8.385 ± 0.9388
pull
Entries 78
Mean −196.8
Std Dev 228.1

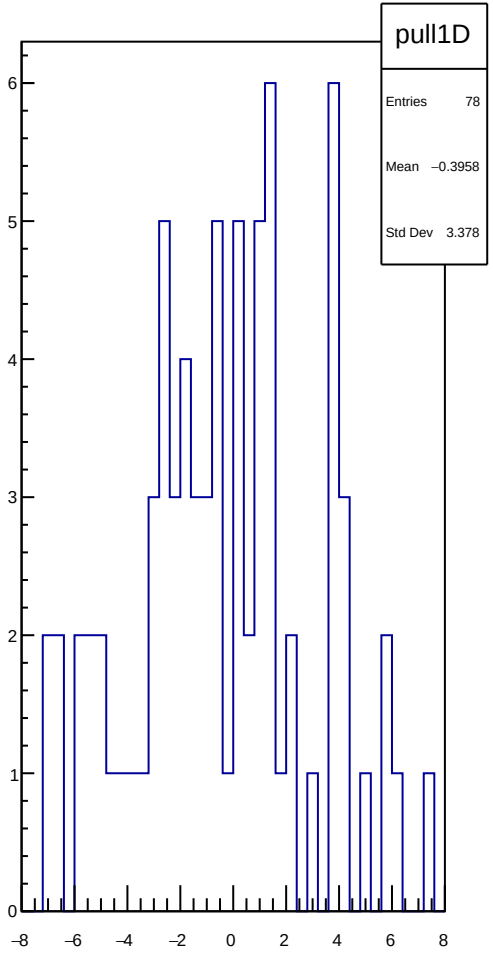

pull1D
Entries 78
Mean 0.03417
Std Dev 0.99

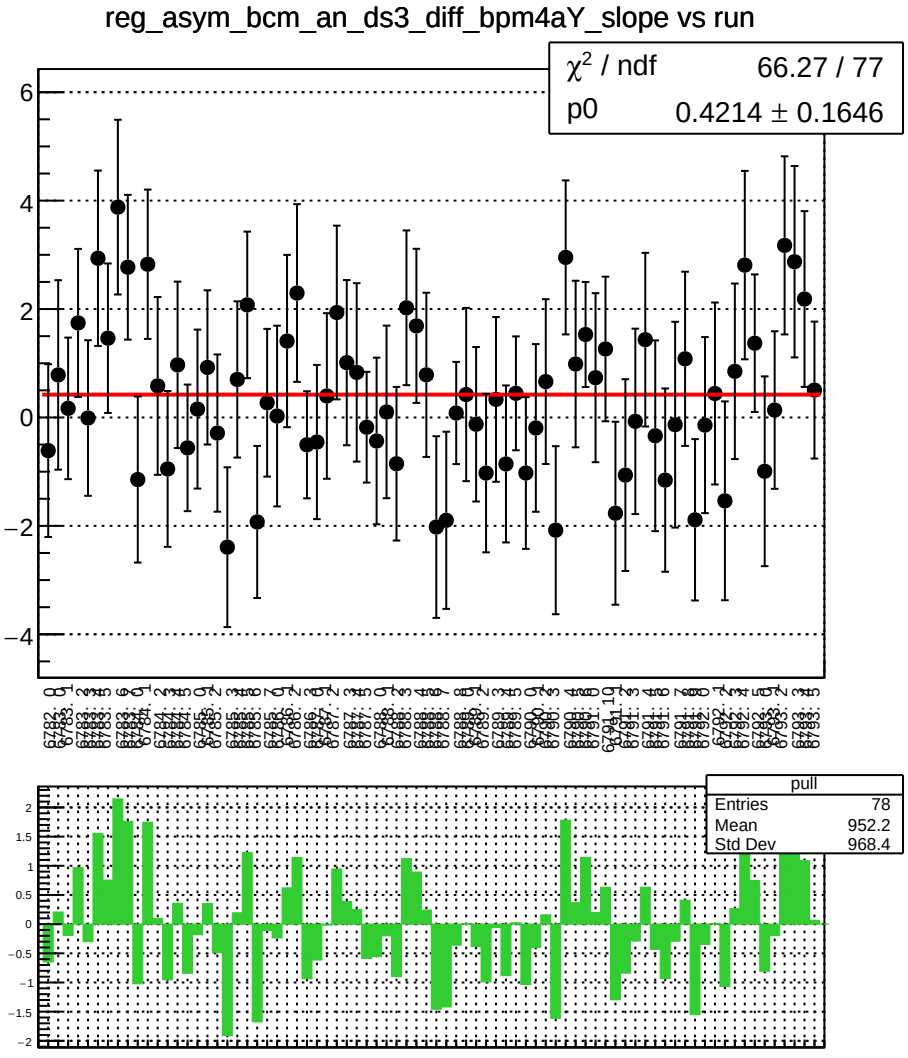
reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

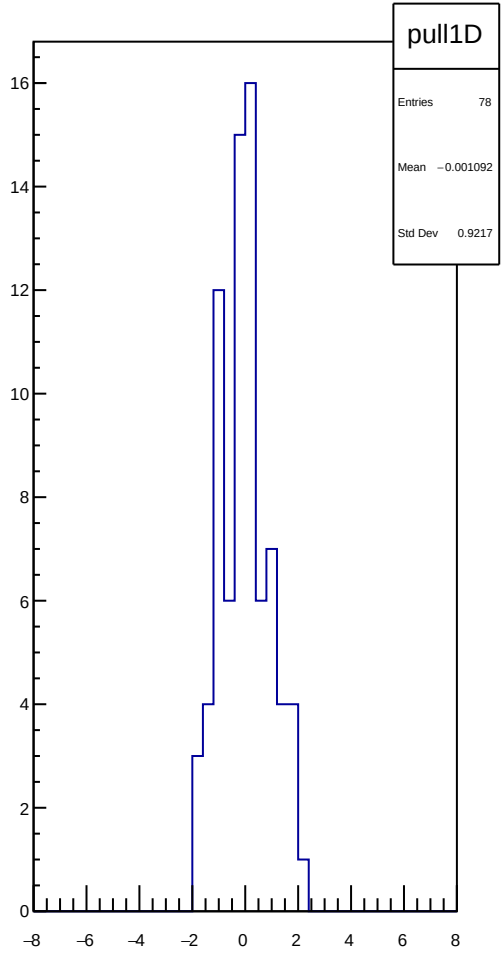


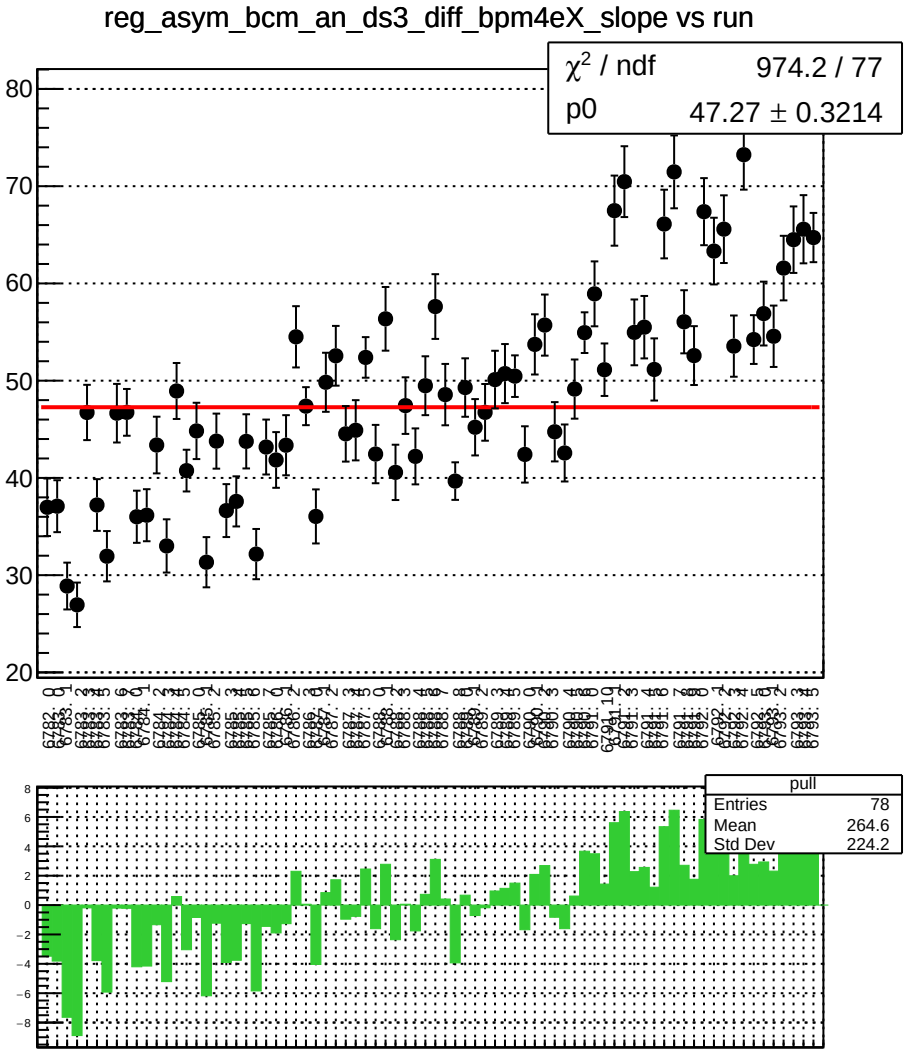


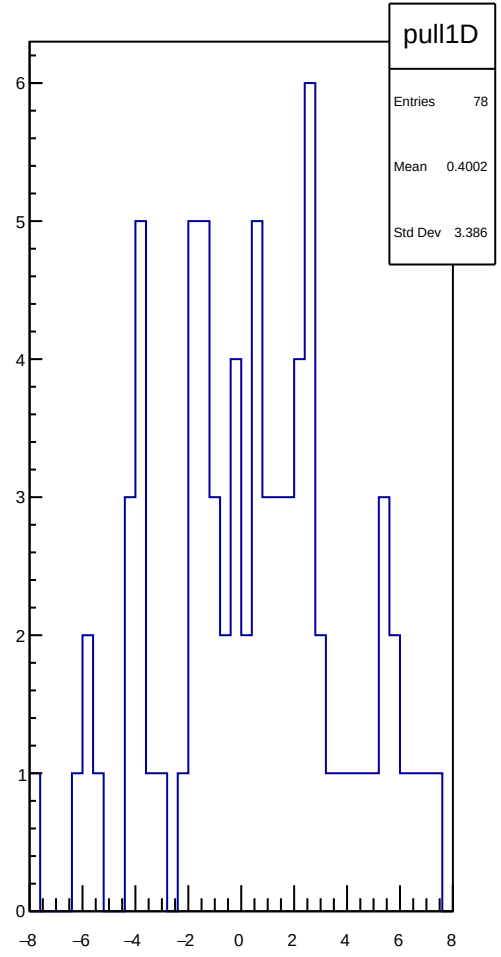

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 967.4 / 77
p0 −51.1 ± 0.3443
pull
Entries 78
Mean 264.5
Std Dev 224.2


pull1D
Entries 78
Mean −0.3958
Std Dev 3.378

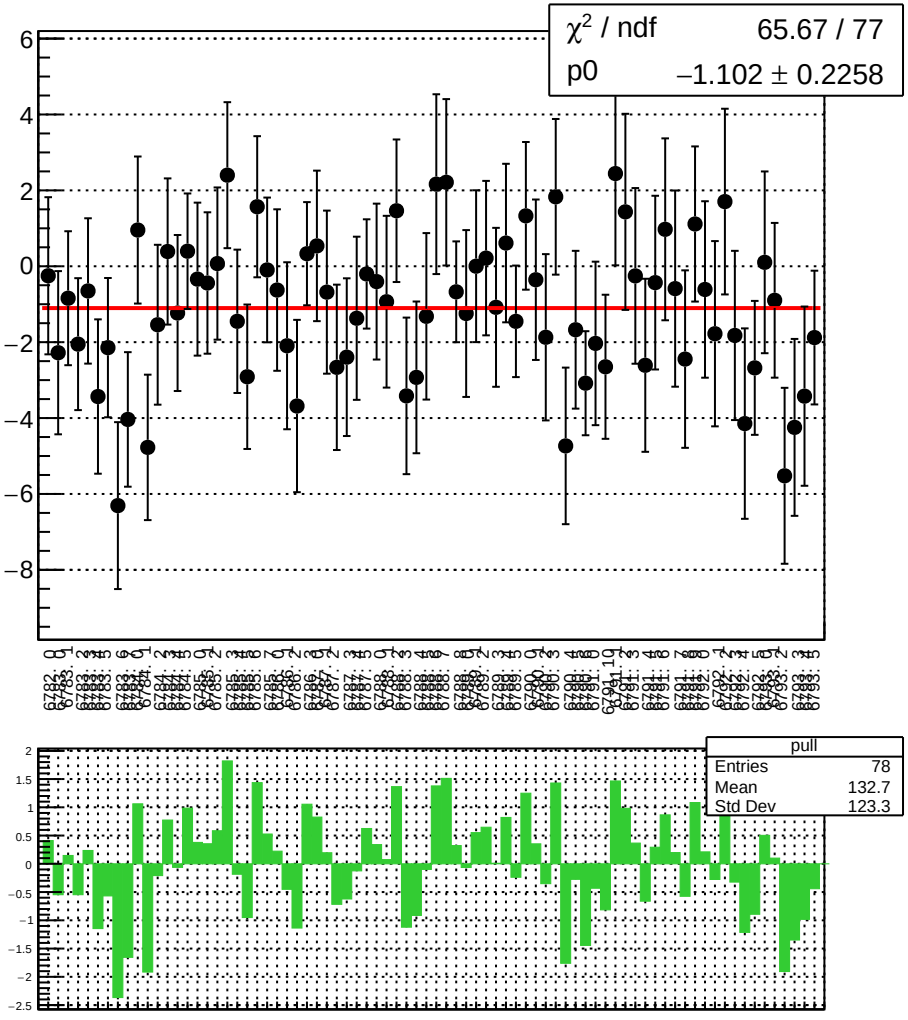

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 66.27 / 77
p0 0.4214 ± 0.1646
pull
Entries 78
Mean 952.2
Std Dev 968.4

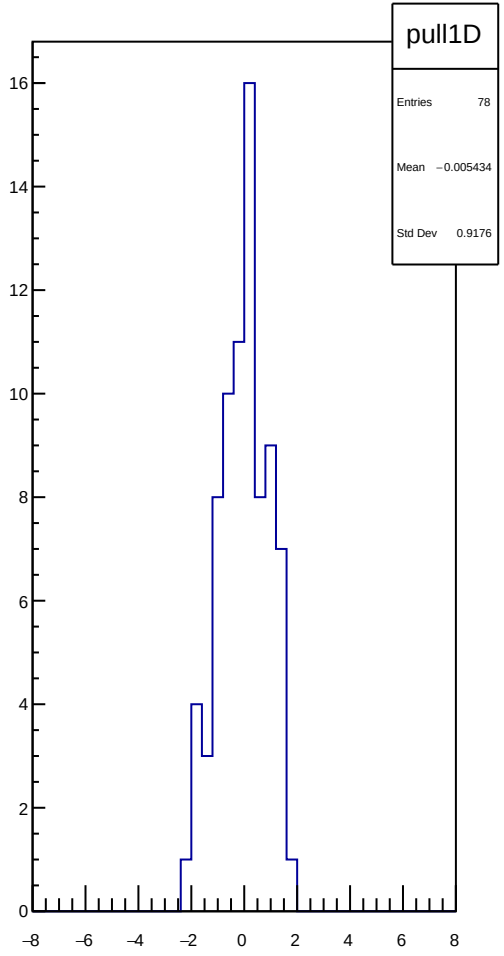

pull1D
Entries 78
Mean −0.001092
Std Dev 0.9217


reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 974.2 / 77
p0 47.27 ± 0.3214
pull
Entries 78
Mean 264.6
Std Dev 224.2

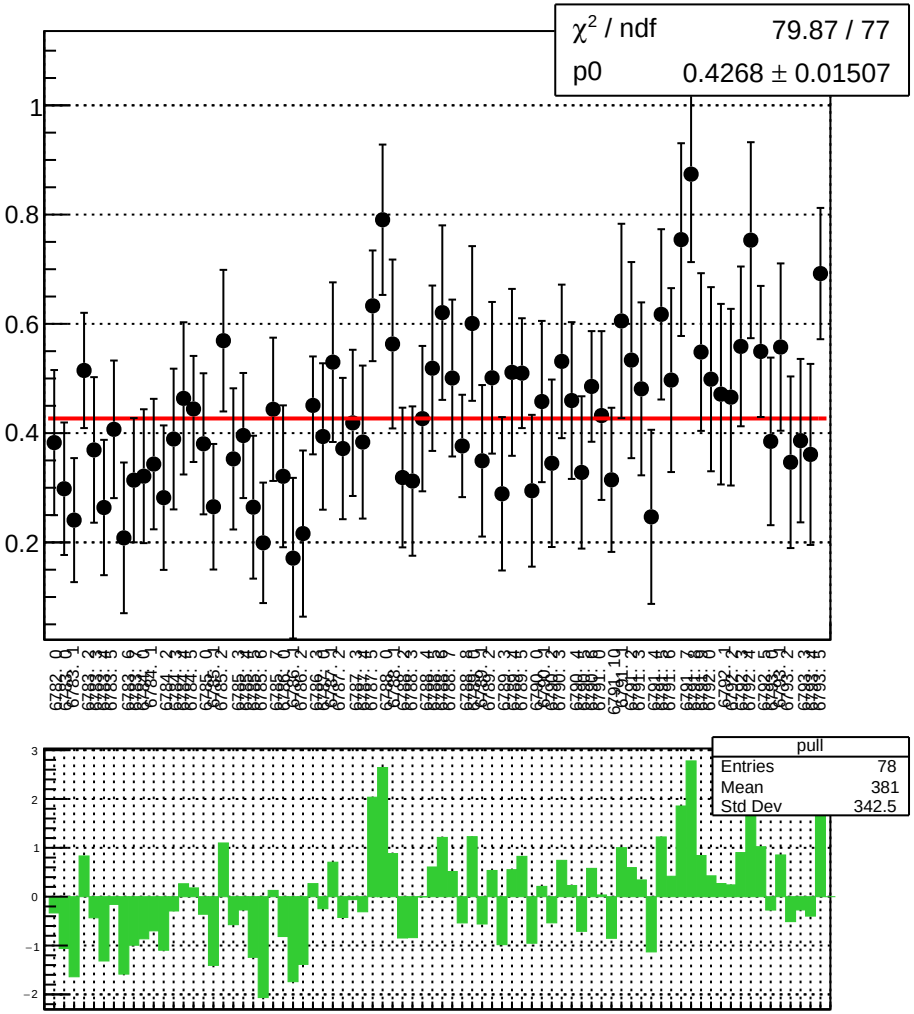

pull1D
Entries 78
Mean 0.4002
Std Dev 3.386

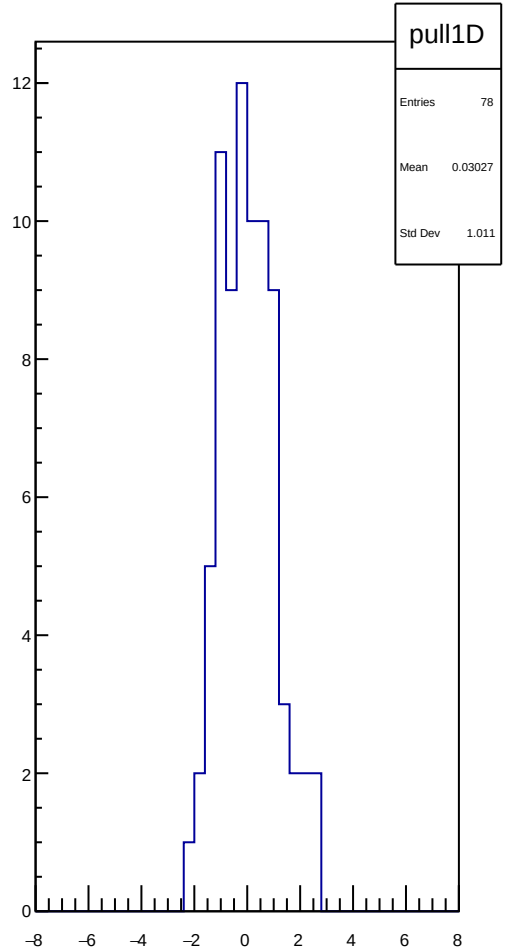
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

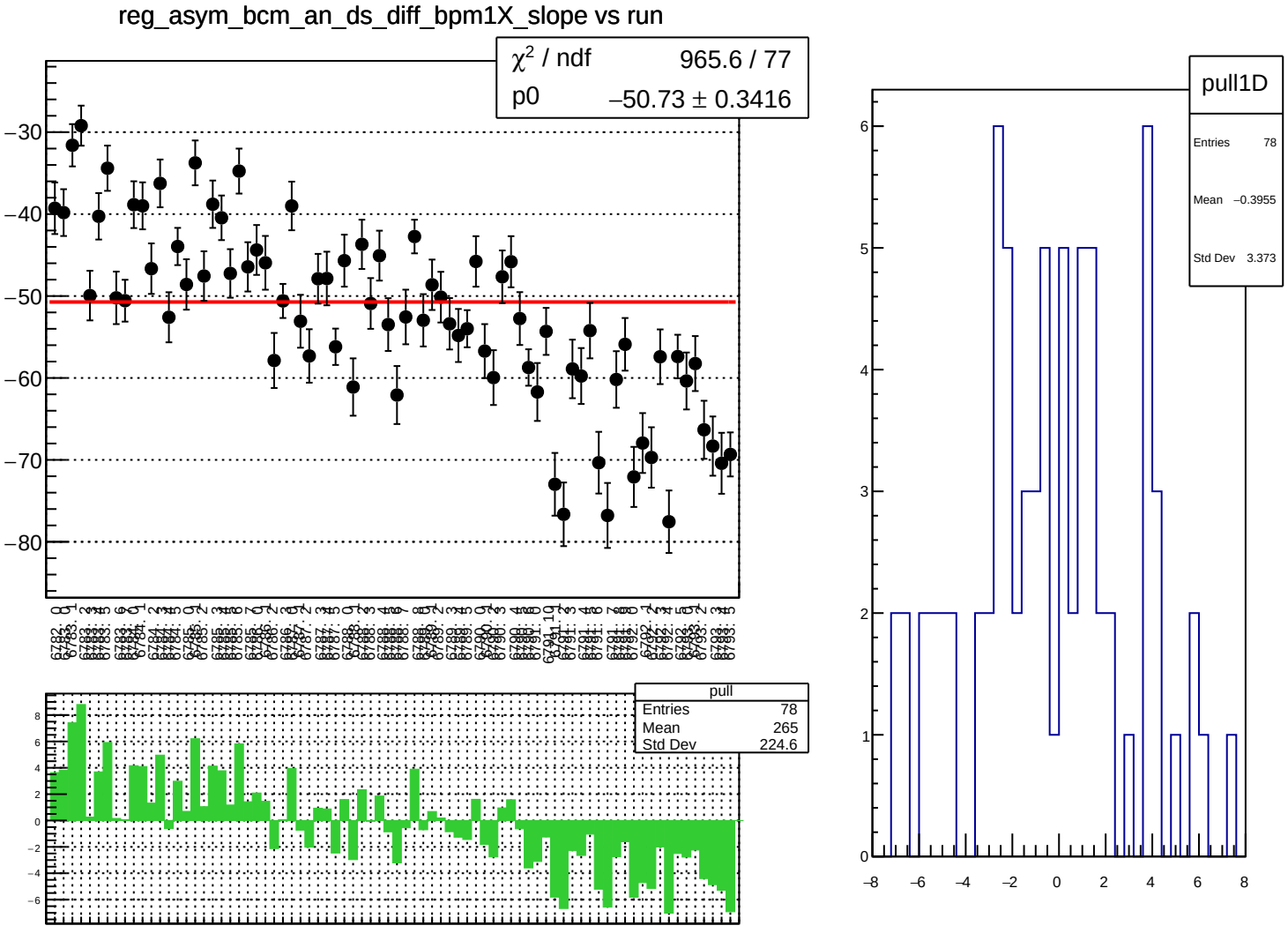


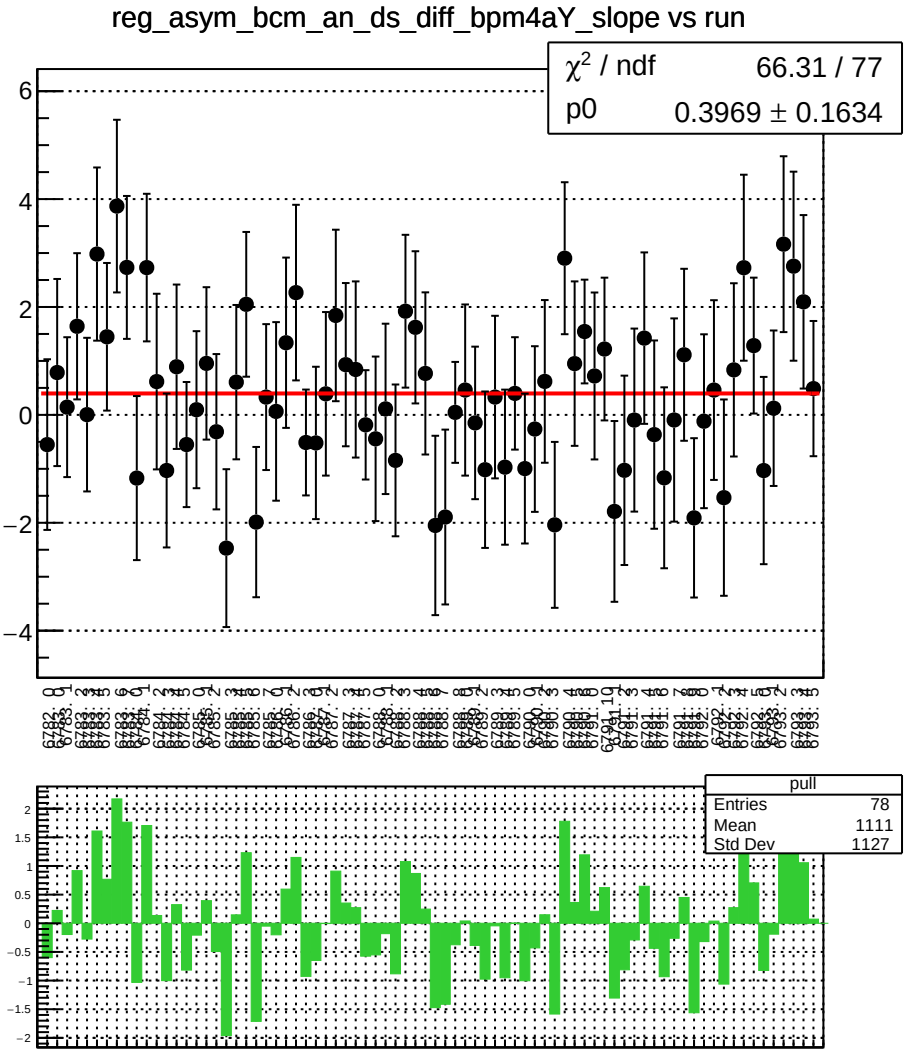


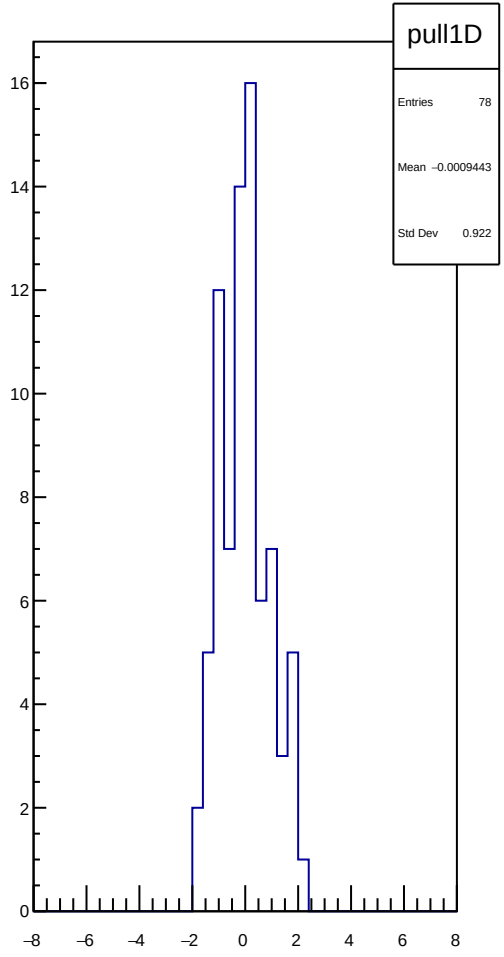
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run

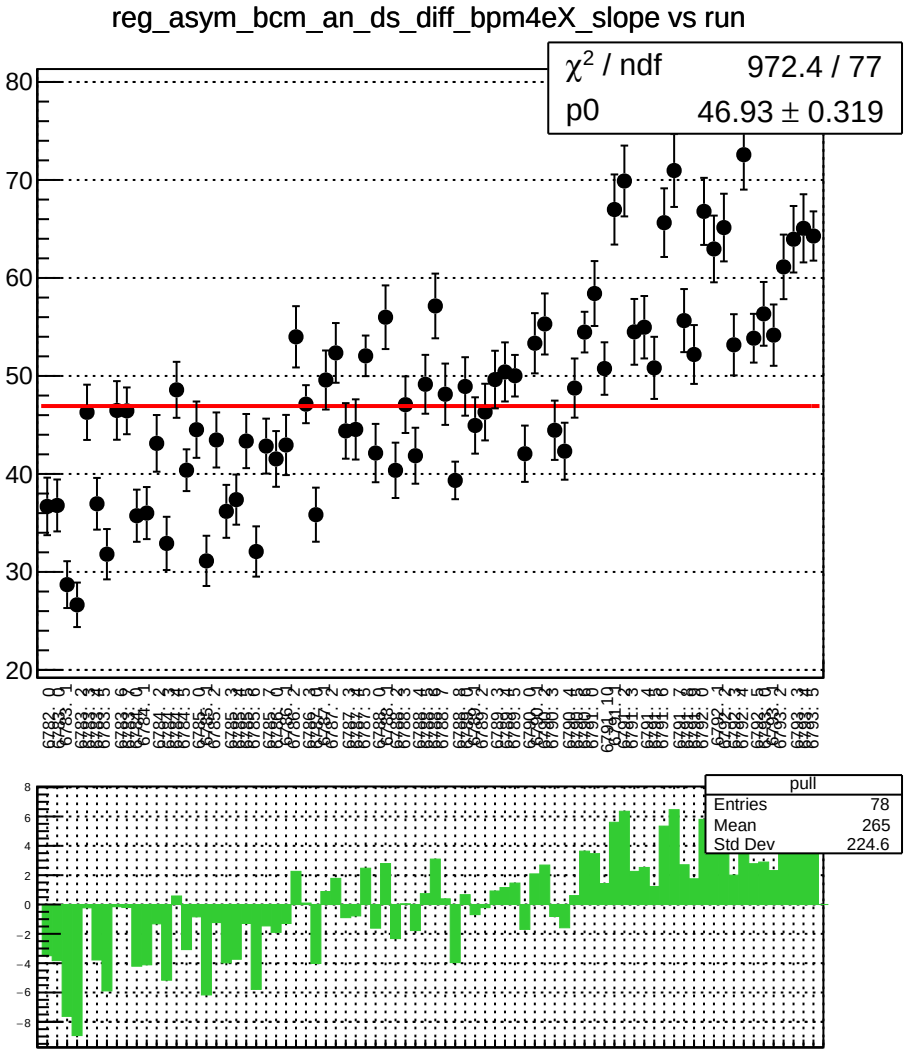


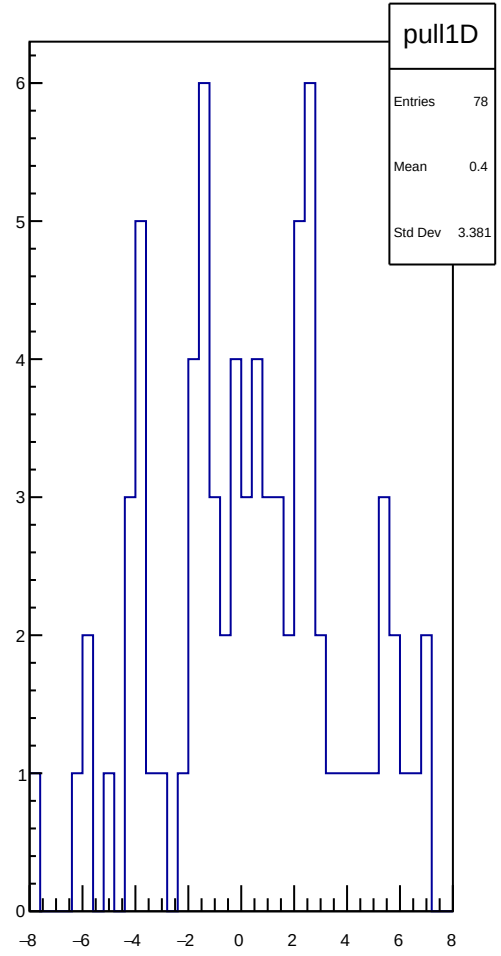


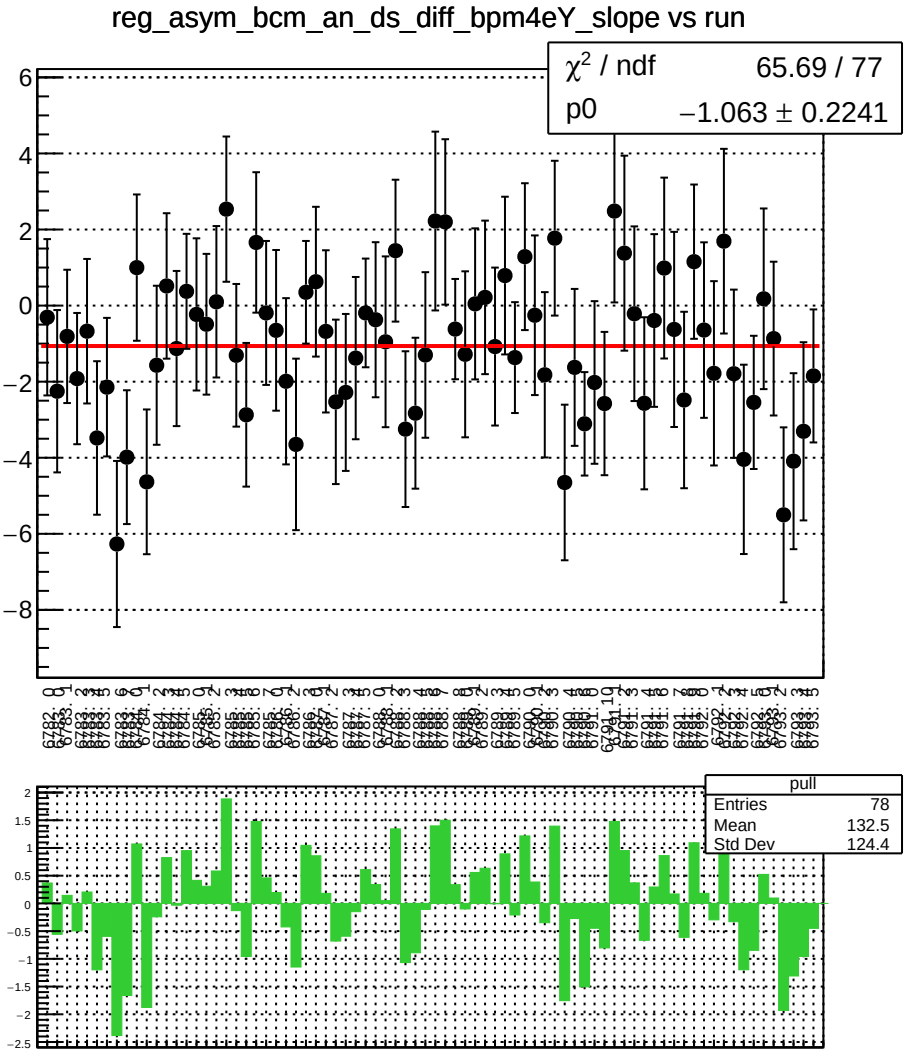

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 965.6 / 77
p0 −50.73 ± 0.3416
pull
Entries 78
Mean 265
Std Dev 224.6
pull1D
Entries 78
Mean −0.3955
Std Dev 3.373

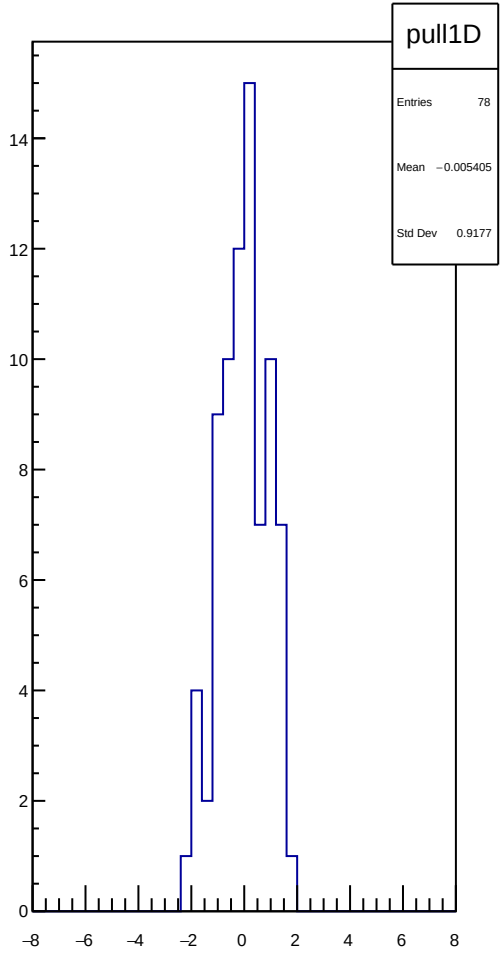

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 66.31 / 77
p0 0.3969 ± 0.1634
pull
Entries 78
Mean 1111
Std Dev 1127

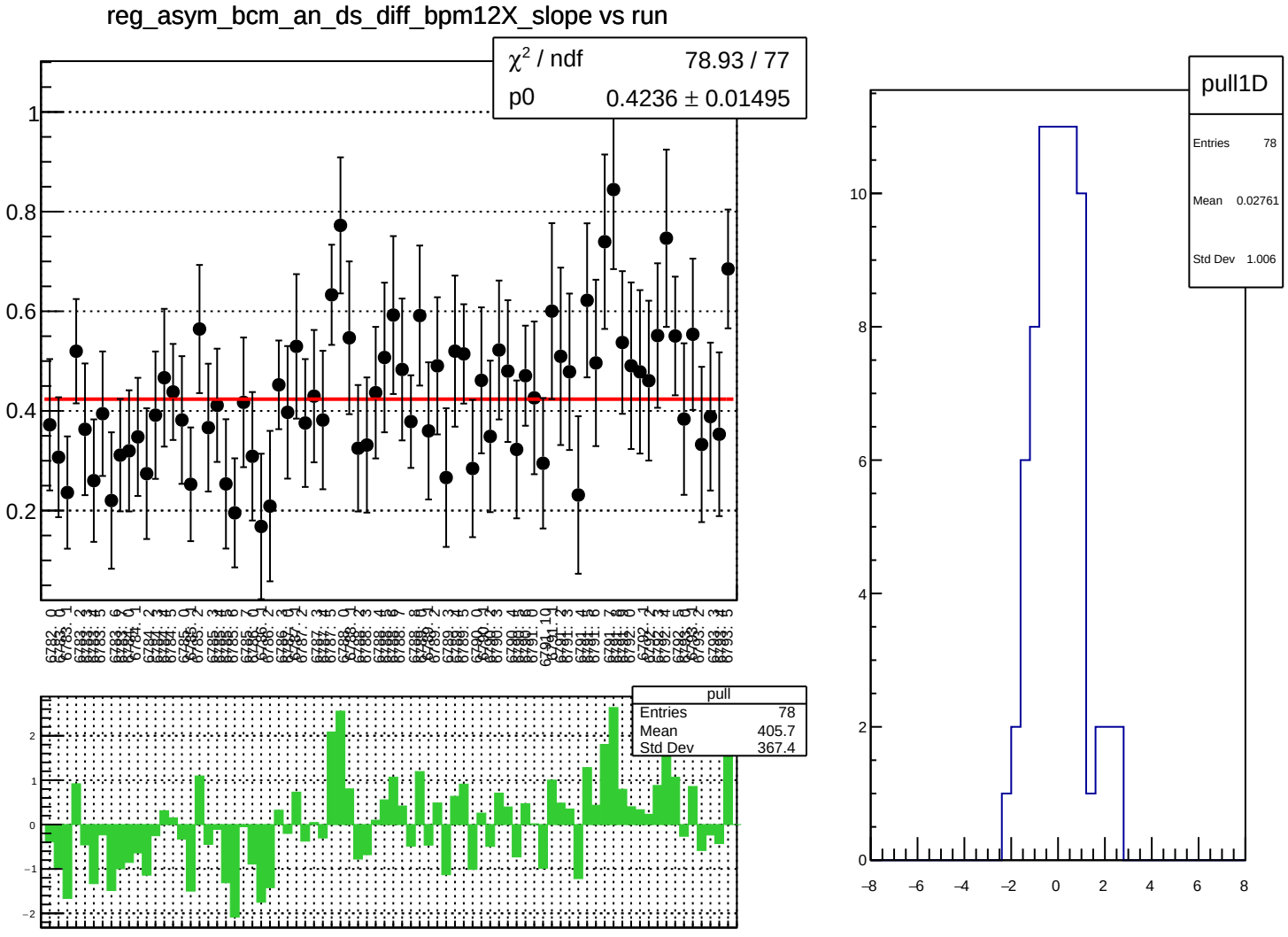

pull1D
Entries 78
Mean −0.0009443
Std Dev 0.922

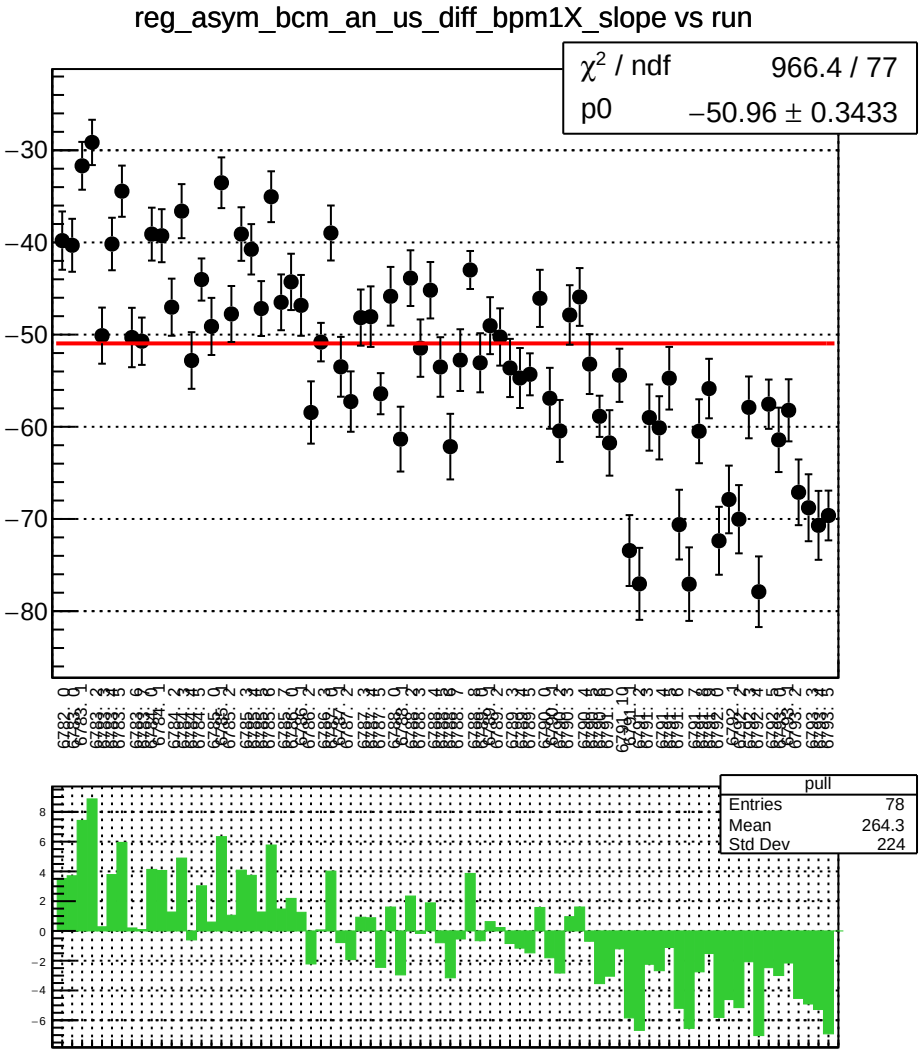

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 972.4 / 77
p0 46.93 ± 0.319
pull
Entries 78
Mean 265
Std Dev 224.6

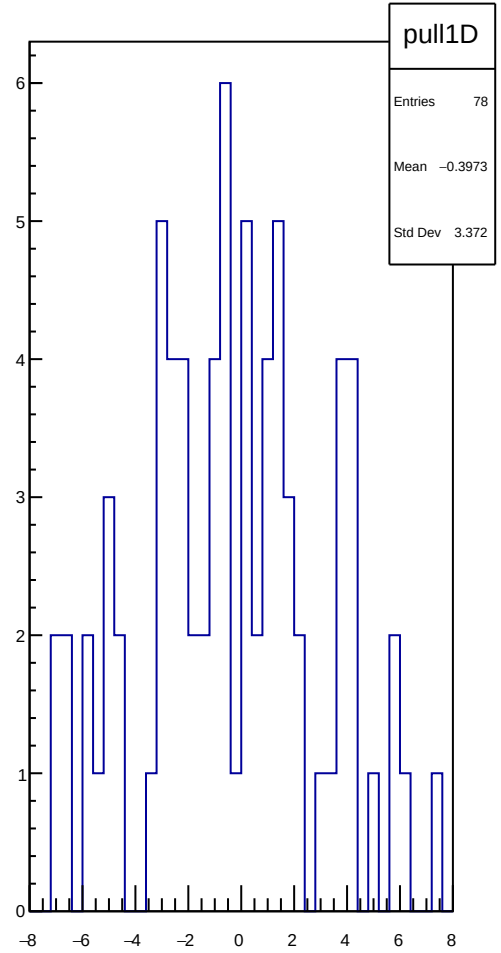

pull1D
Entries 78
Mean 0.4
Std Dev 3.381

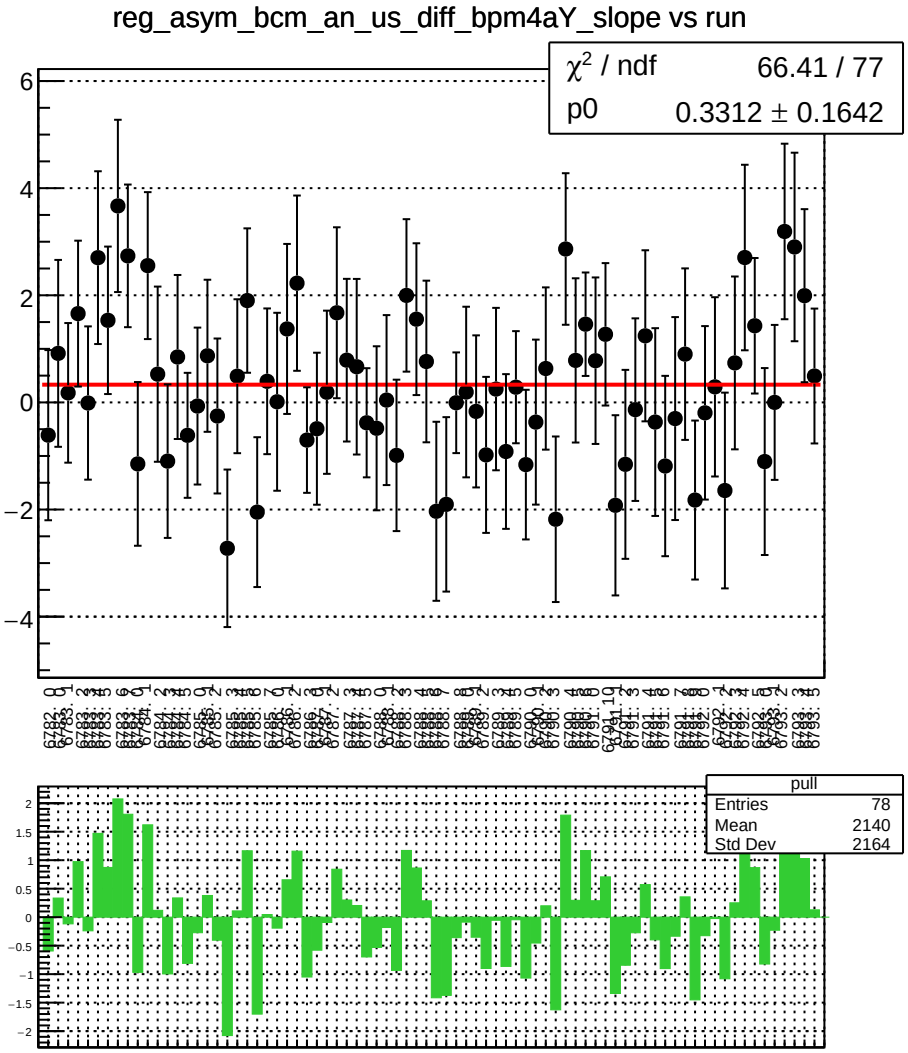

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 65.69 / 77
p0 −1.063 ± 0.2241
pull
Entries 78
Mean 132.5
Std Dev 124.4

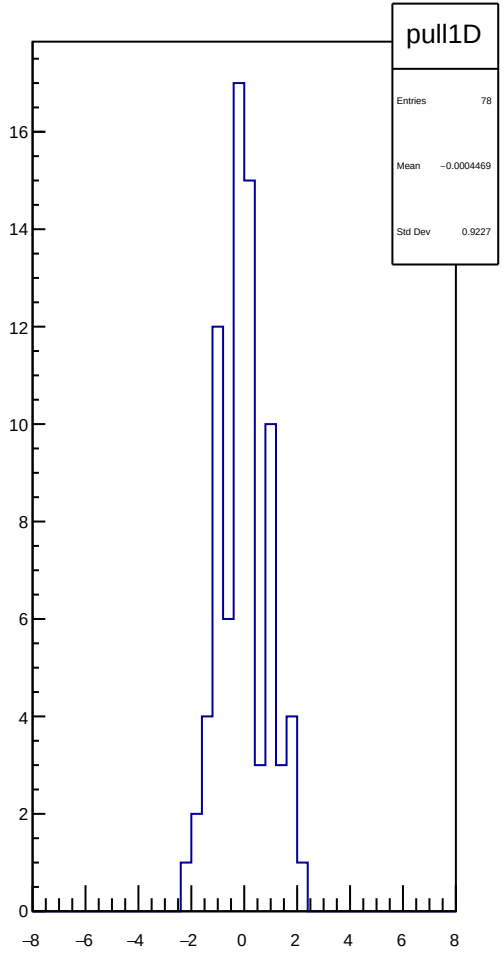

pull1D
Entries 78
Mean −0.005405
Std Dev 0.9177


reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 78.93 / 77
p0 0.4236 ± 0.01495
pull
Entries 78
Mean 405.7
Std Dev 367.4
pull1D
Entries 78
Mean 0.02761
Std Dev 1.006

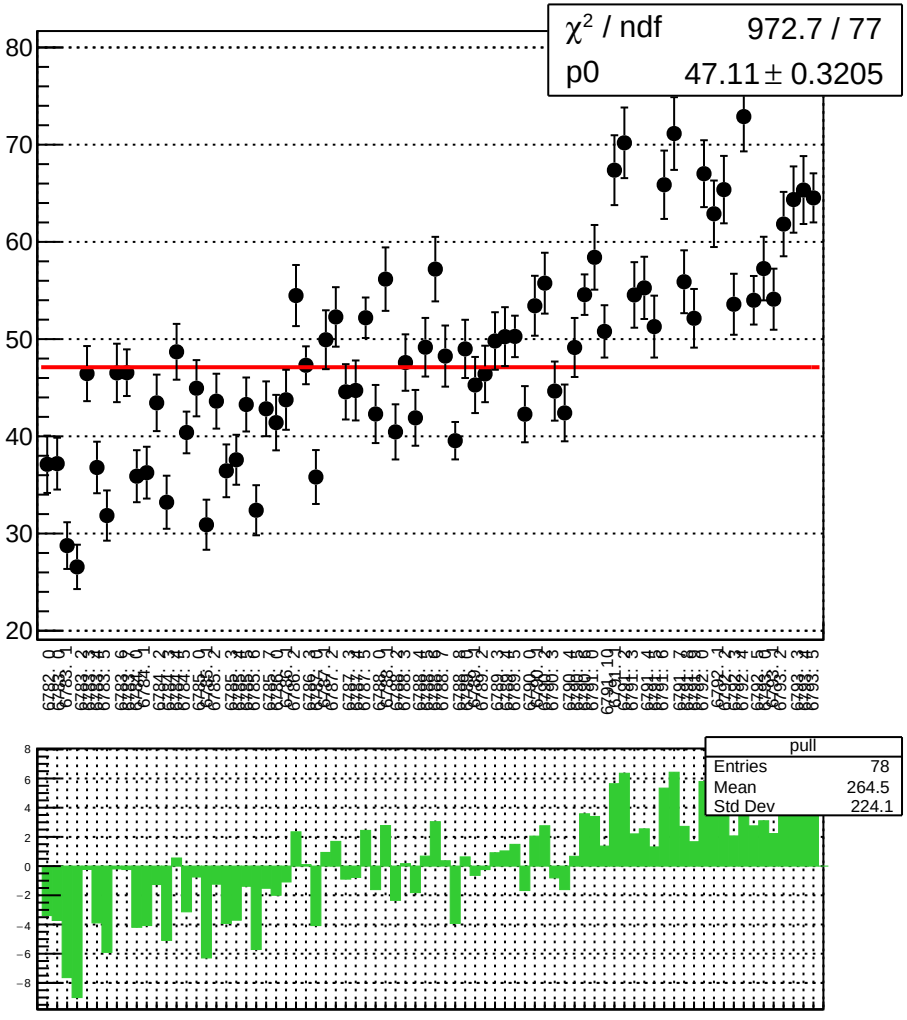

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 966.4 / 77
p0 −50.96 ± 0.3433
pull
Entries 78
Mean 264.3
Std Dev 224

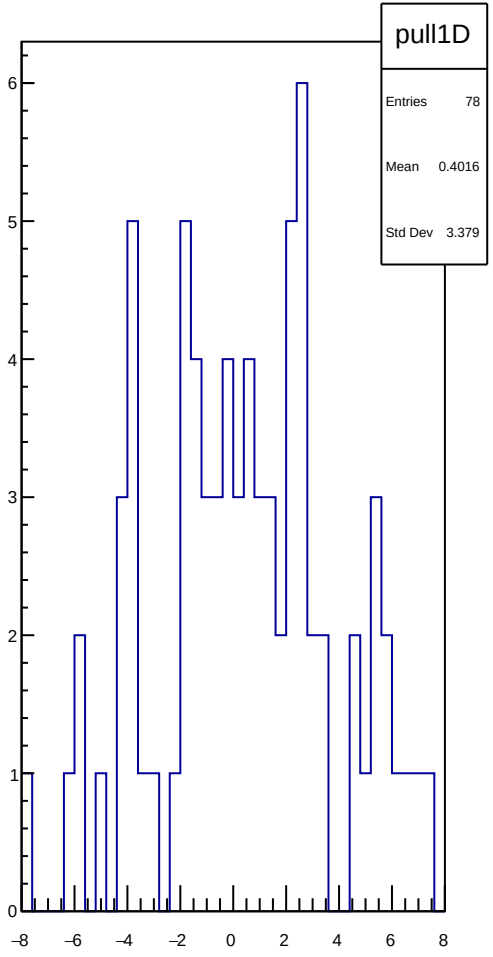

pull1D
Entries 78
Mean −0.3973
Std Dev 3.372

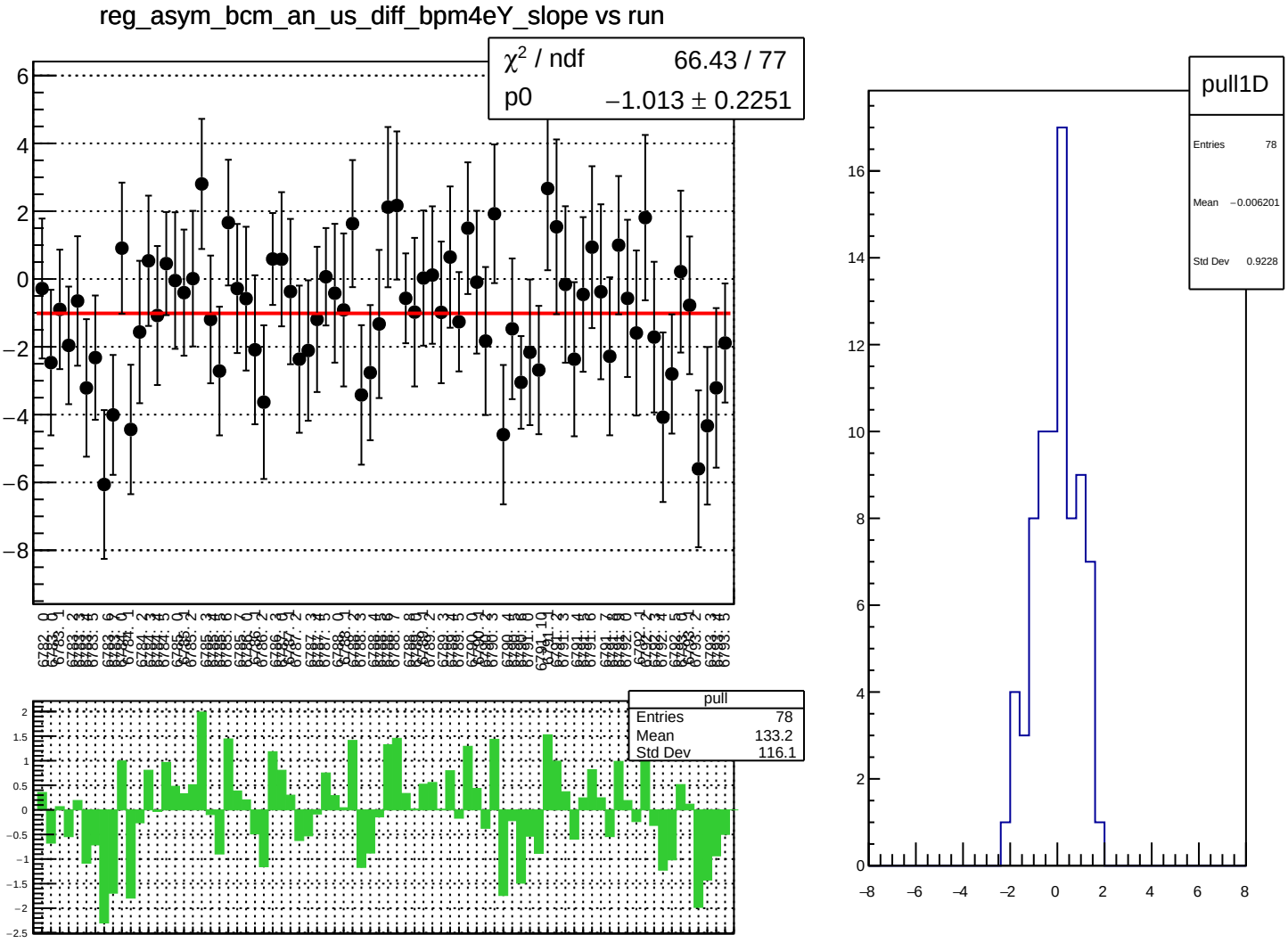

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 66.41 / 77
p0 0.3312 ± 0.1642
pull
Entries 78
Mean 2140
Std Dev 2164

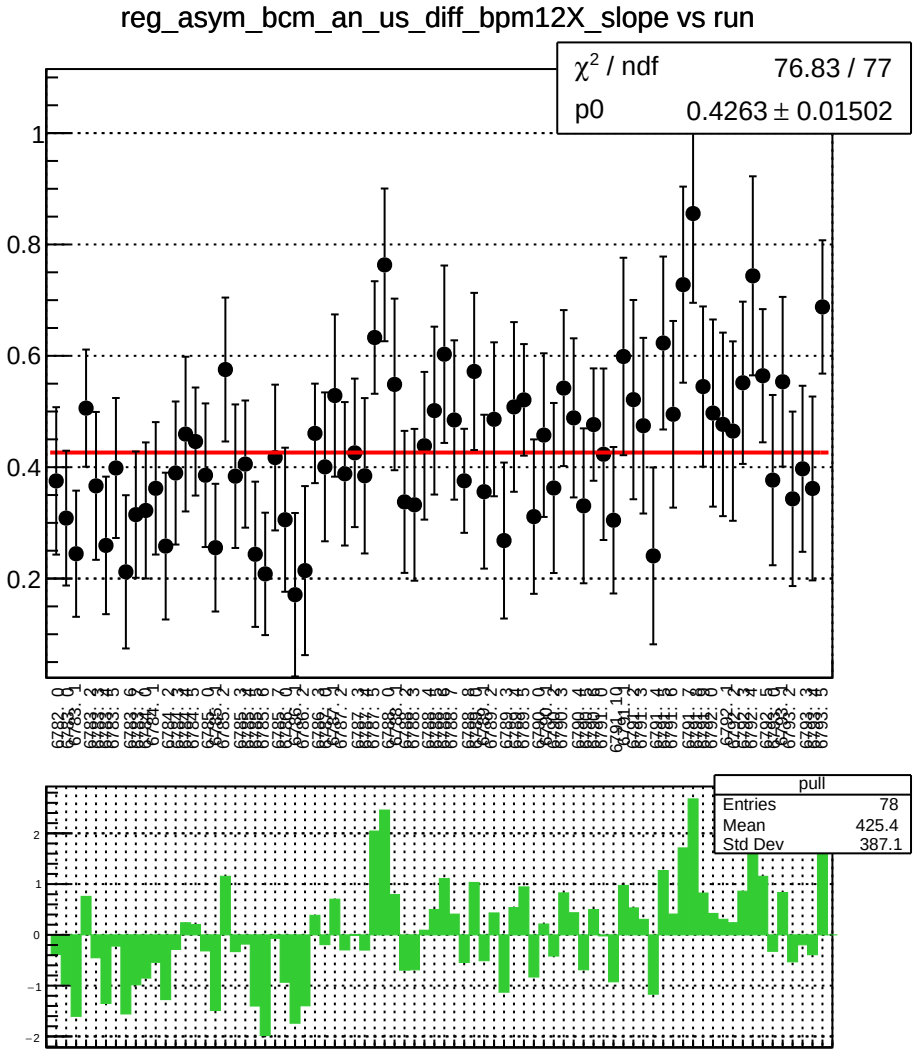

pull1D
Entries 78
Mean −0.0004469
Std Dev 0.9227

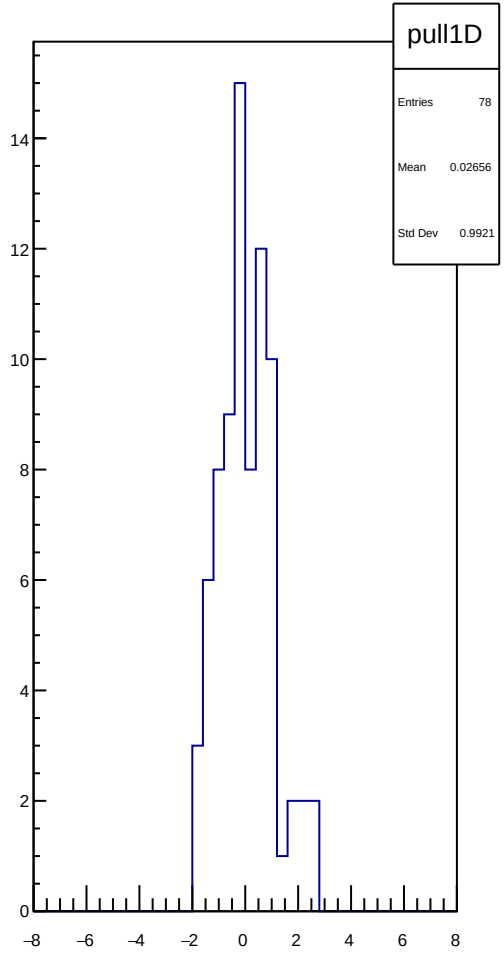
reg_asym_bcm_an_us_diff_bpm4eX_slope vs run

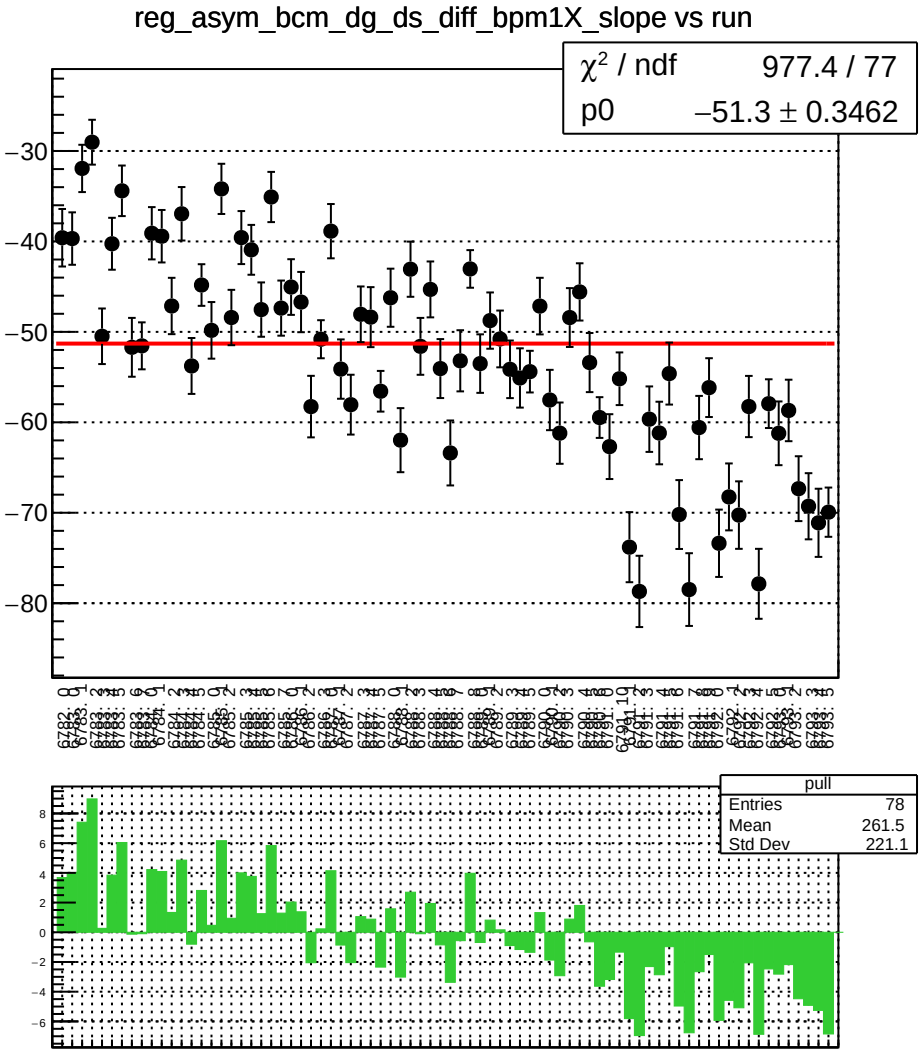


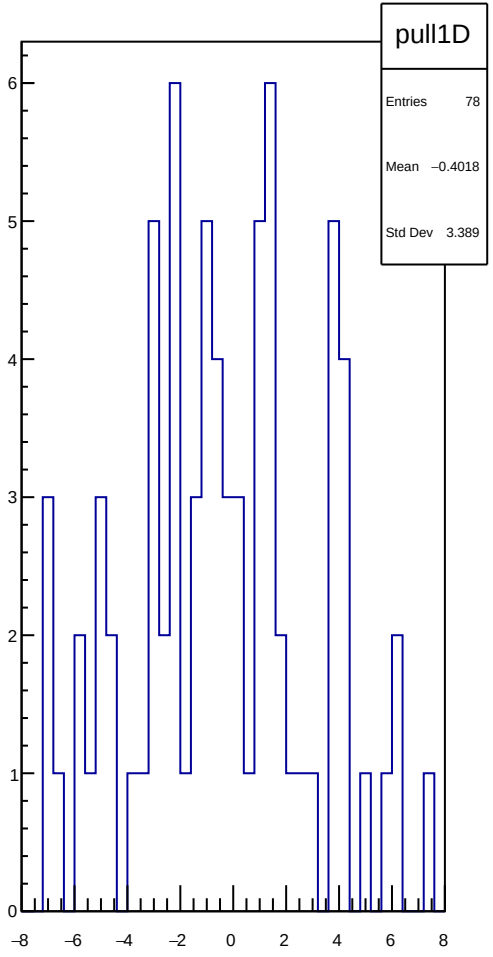


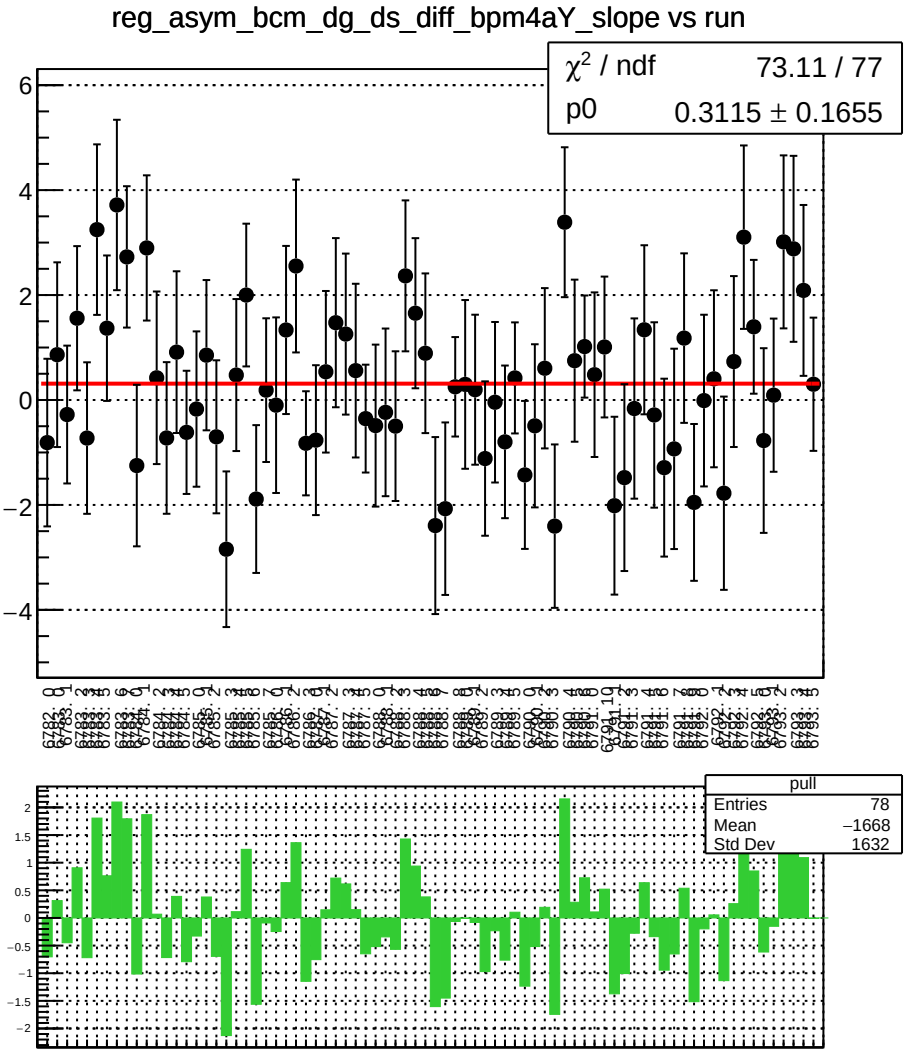

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 66.43 / 77
p0 −1.013 ± 0.2251
pull
Entries 78
Mean 133.2
Std Dev 116.1
pull1D
Entries 78
Mean −0.006201
Std Dev 0.9228

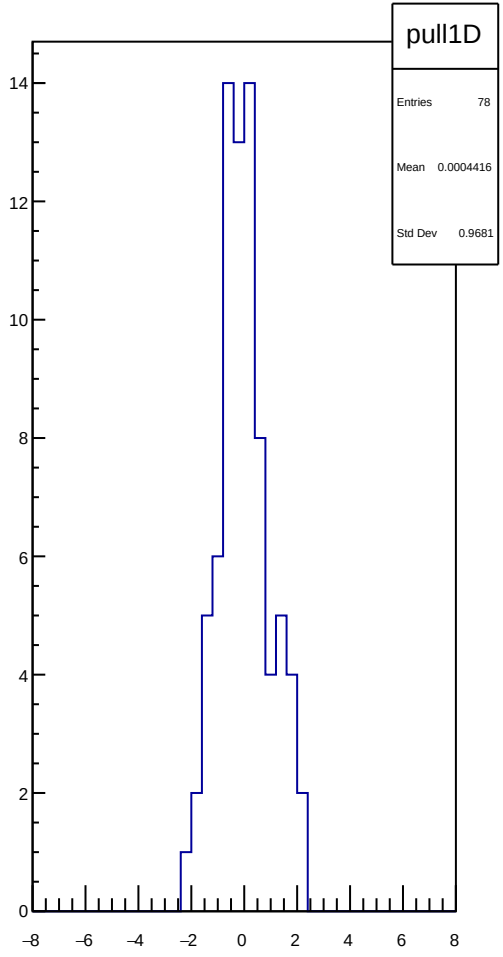

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 76.83 / 77
p0 0.4263 ± 0.01502
pull
Entries 78
Mean 425.4
Std Dev 387.1

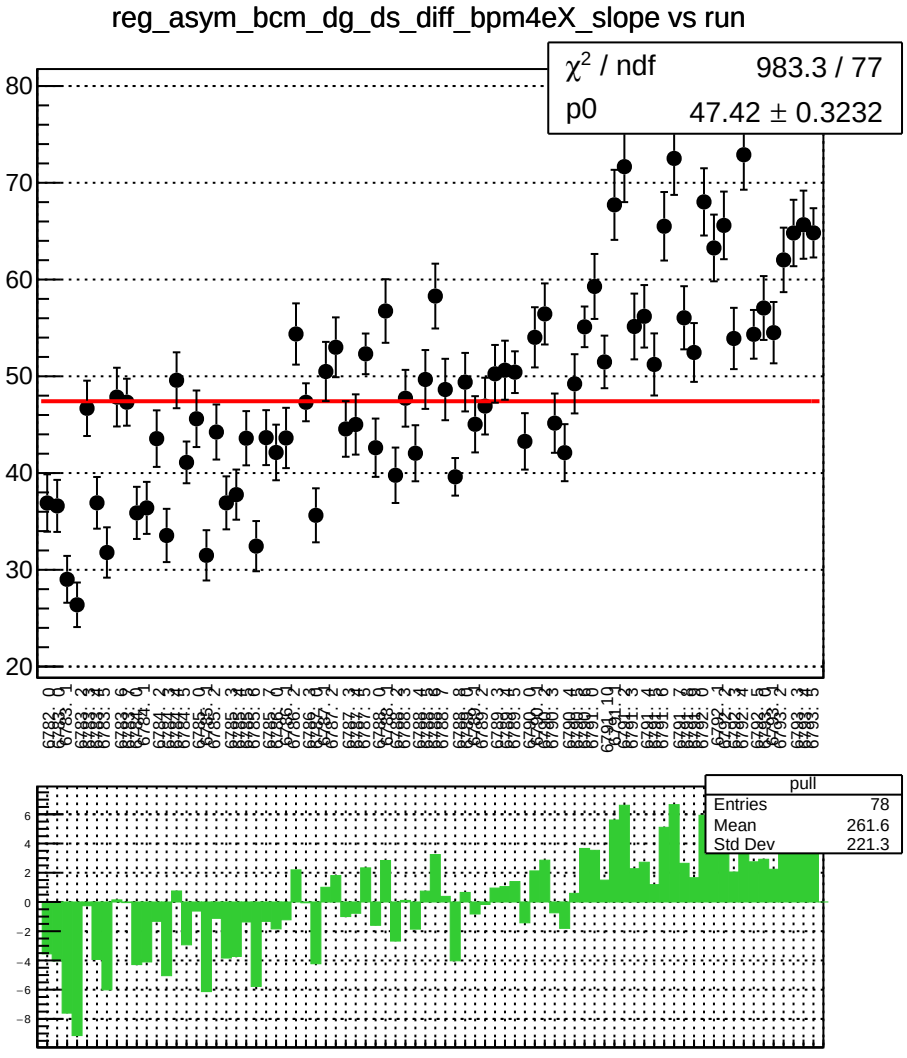

pull1D
Entries 78
Mean 0.02656
Std Dev 0.9921

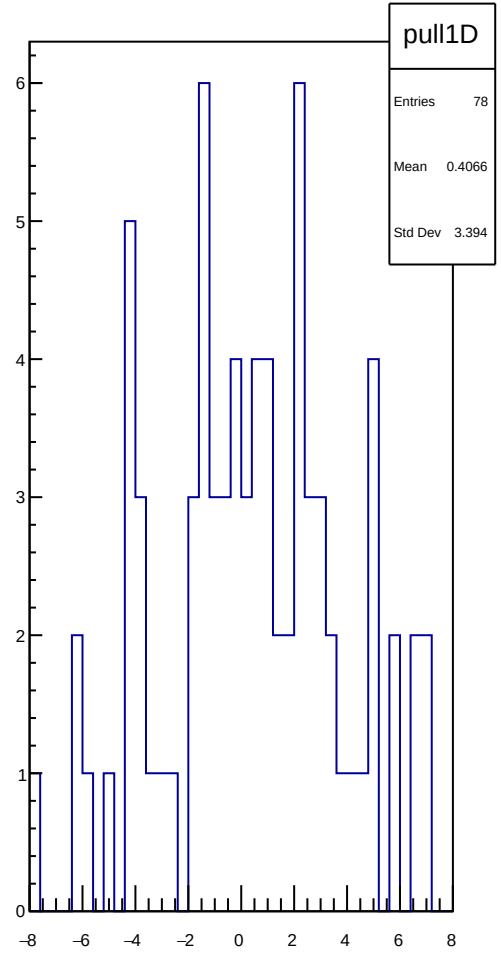

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 977.4 / 77
p0 −51.3 ± 0.3462
pull
Entries 78
Mean 261.5
Std Dev 221.1

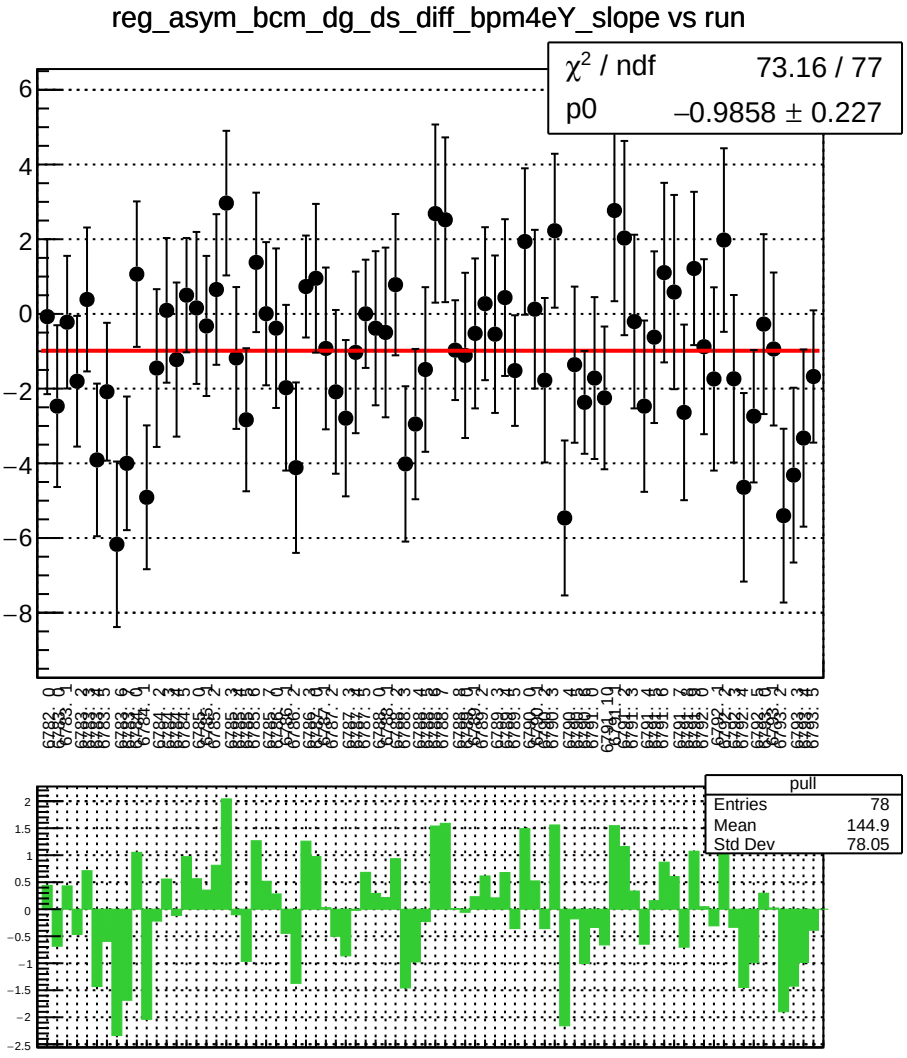

pull1D
Entries 78
Mean −0.4018
Std Dev 3.389

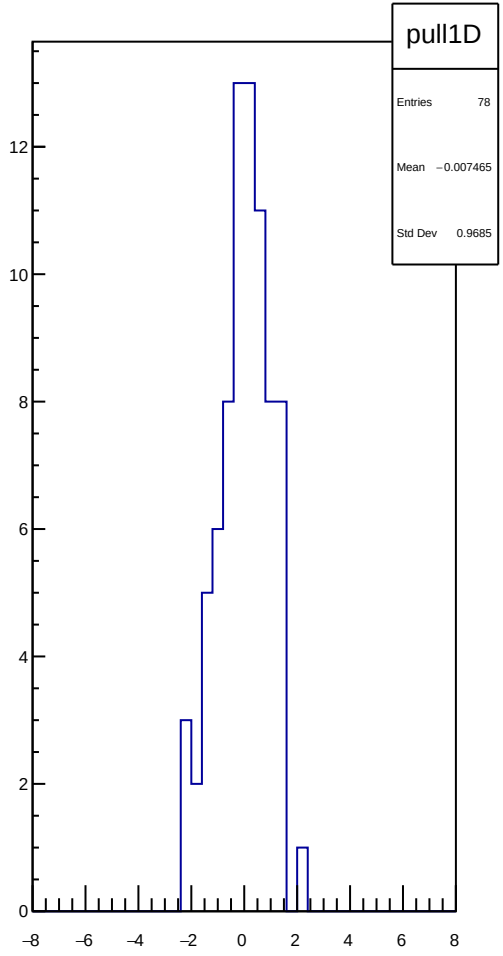

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 73.11 / 77
p0 0.3115 ± 0.1655
pull
Entries 78
Mean −1668
Std Dev 1632

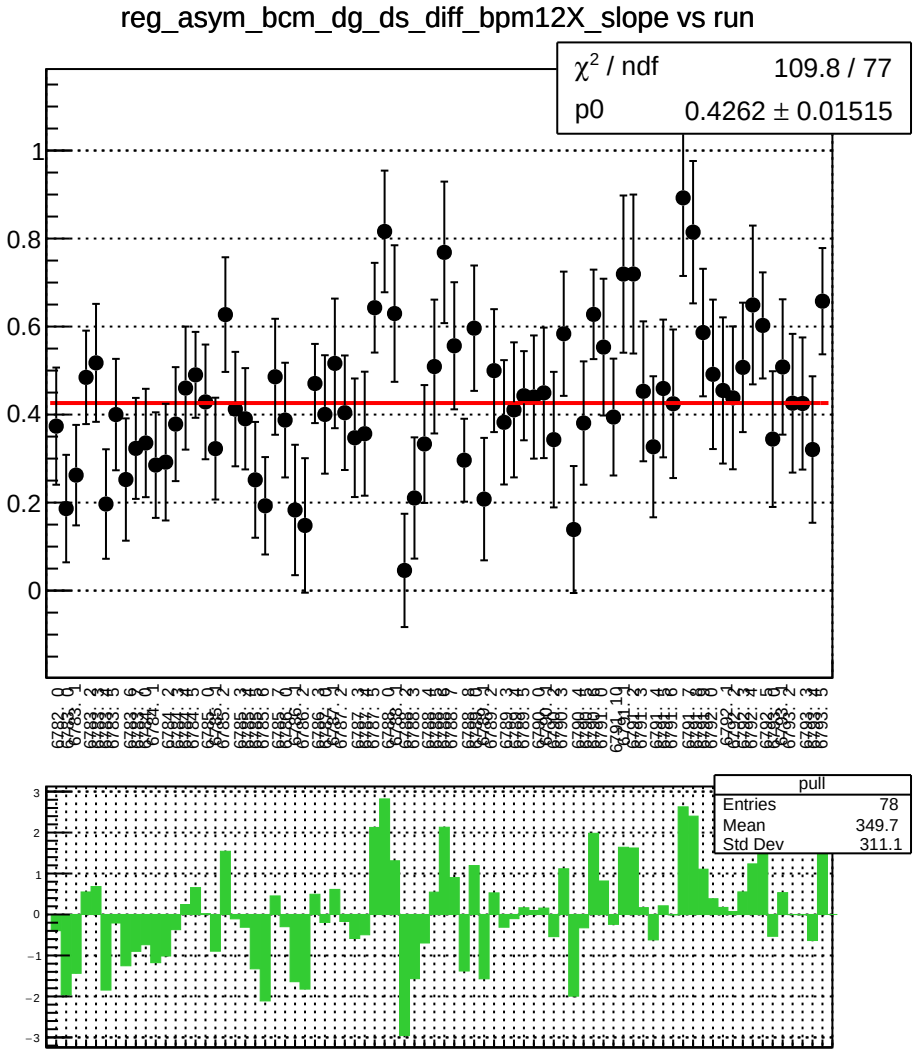

pull1D
Entries 78
Mean 0.0004416
Std Dev 0.9681

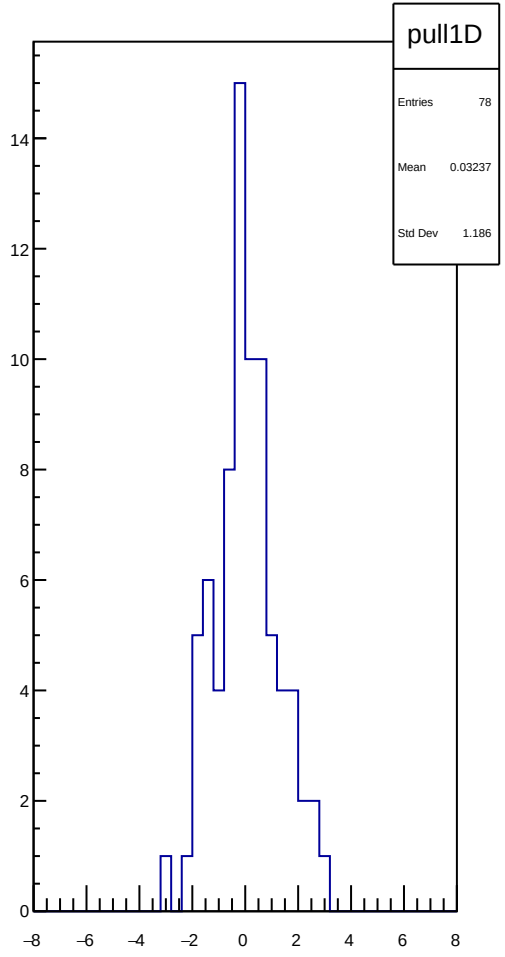

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 983.3 / 77
p0 47.42 ± 0.3232
pull
Entries 78
Mean 261.6
Std Dev 221.3

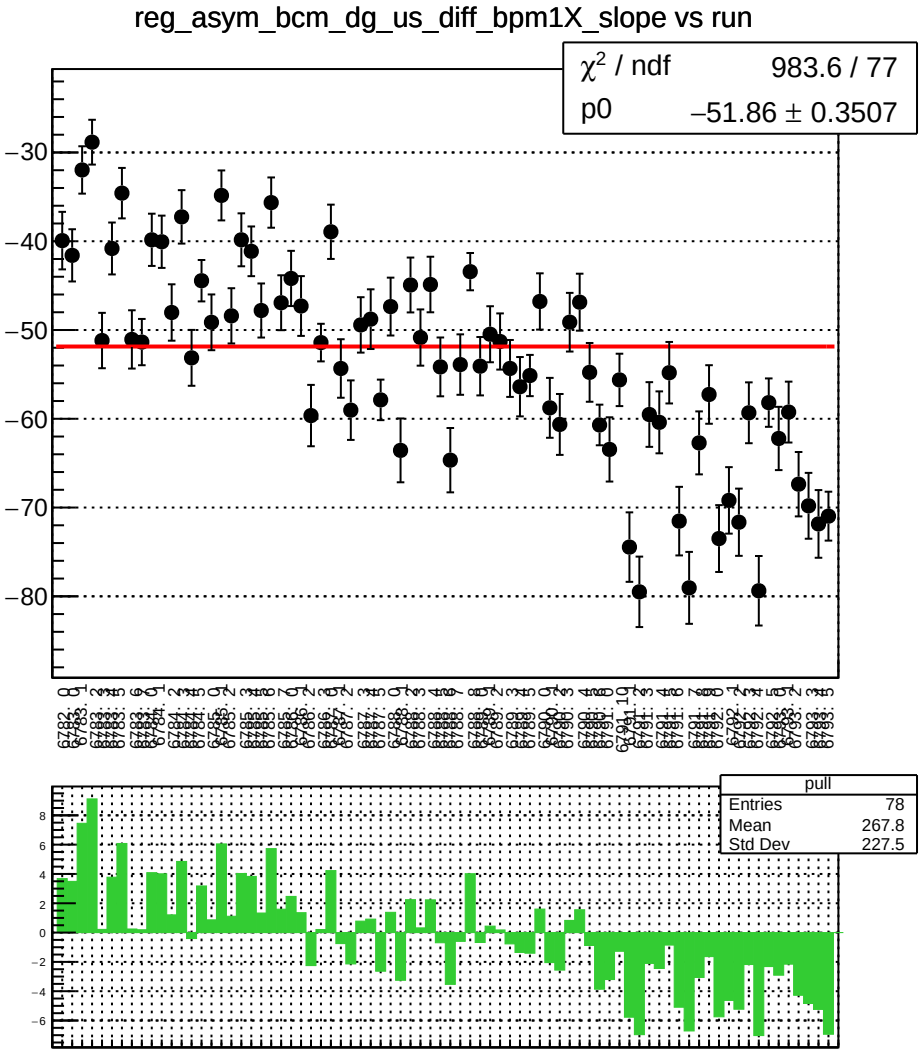

pull1D
Entries 78
Mean 0.4066
Std Dev 3.394

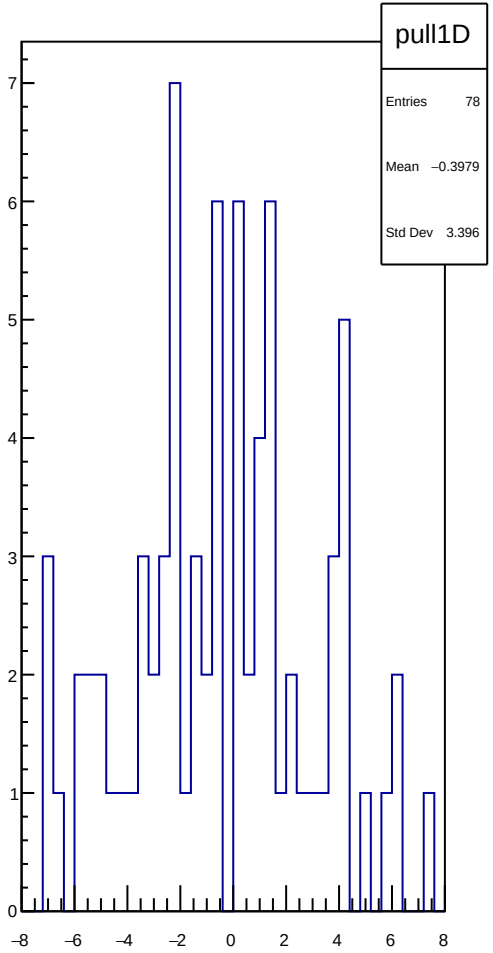

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.16 / 77
p0 −0.9858 ± 0.227
pull
Entries 78
Mean 144.9
Std Dev 78.05

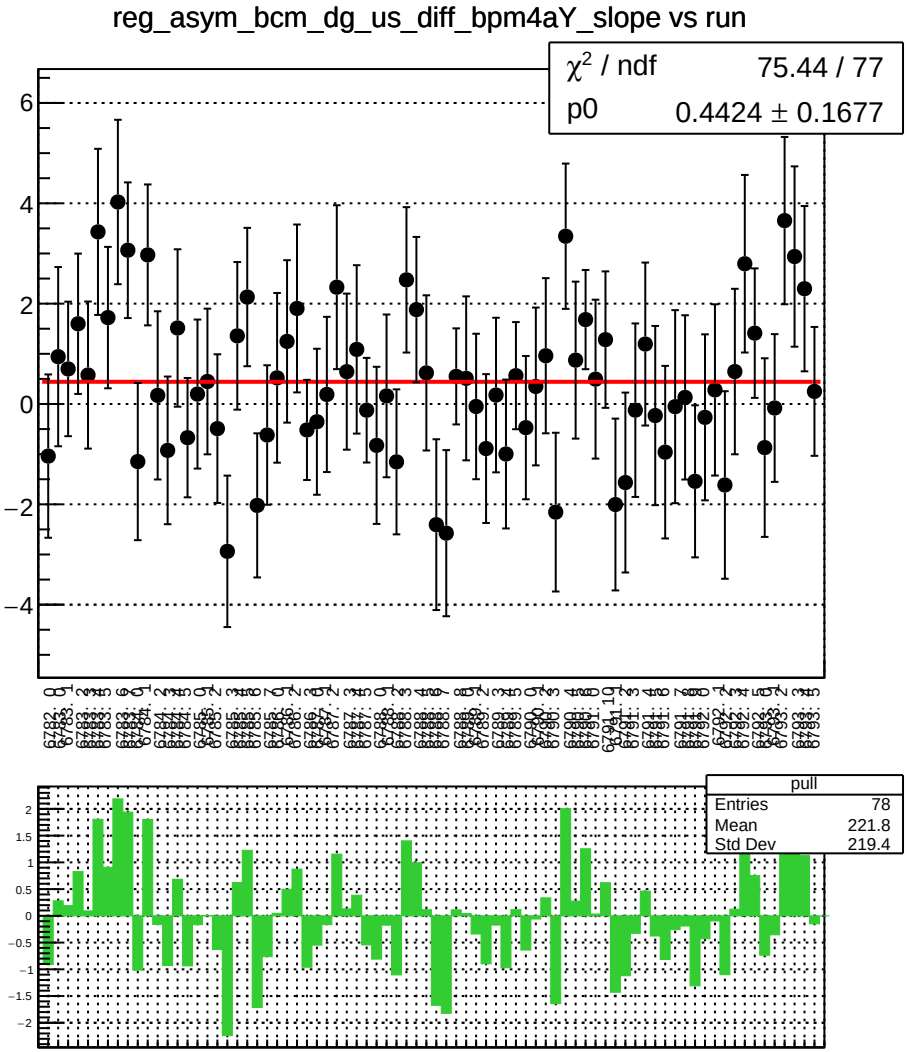

pull1D
Entries 78
Mean −0.007465
Std Dev 0.9685

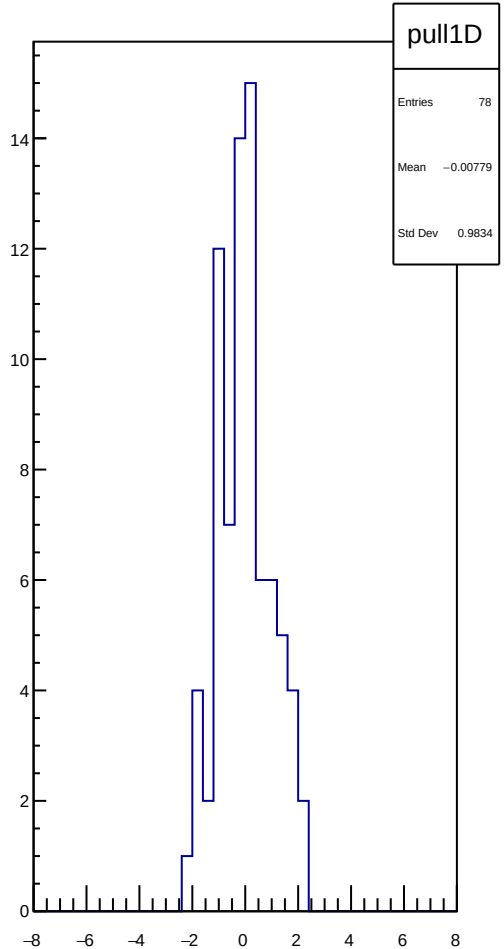

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 109.8 / 77
p0 0.4262 ± 0.01515
pull
Entries 78
Mean 349.7
Std Dev 311.1

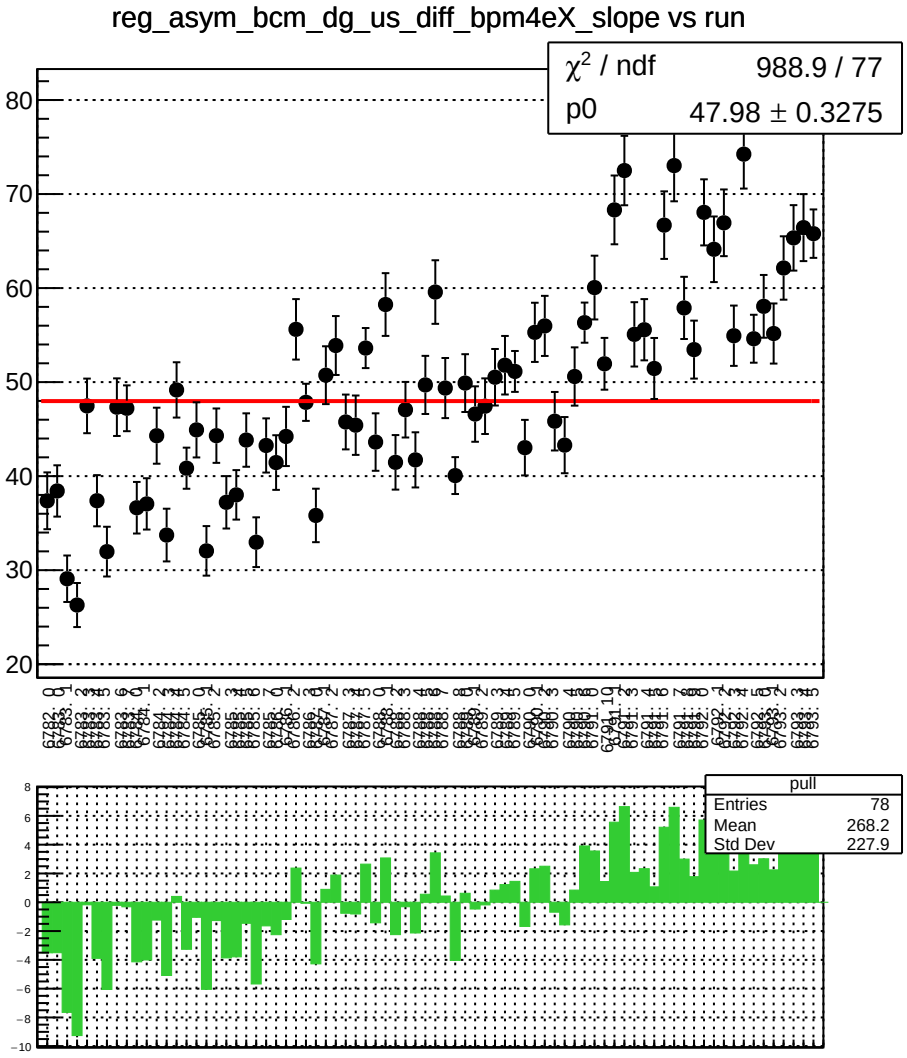

pull1D
Entries 78
Mean 0.03237
Std Dev 1.186

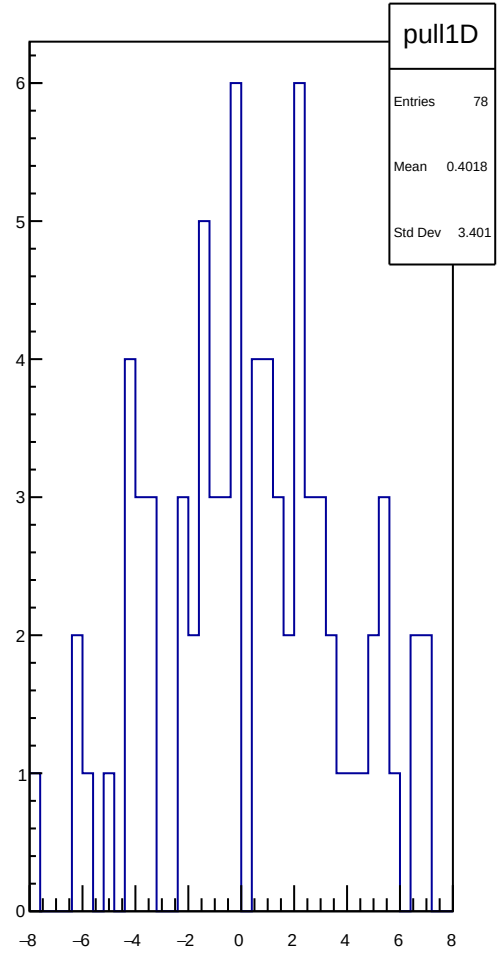

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 983.6 / 77
p0 −51.86 ± 0.3507
pull
Entries 78
Mean 267.8
Std Dev 227.5

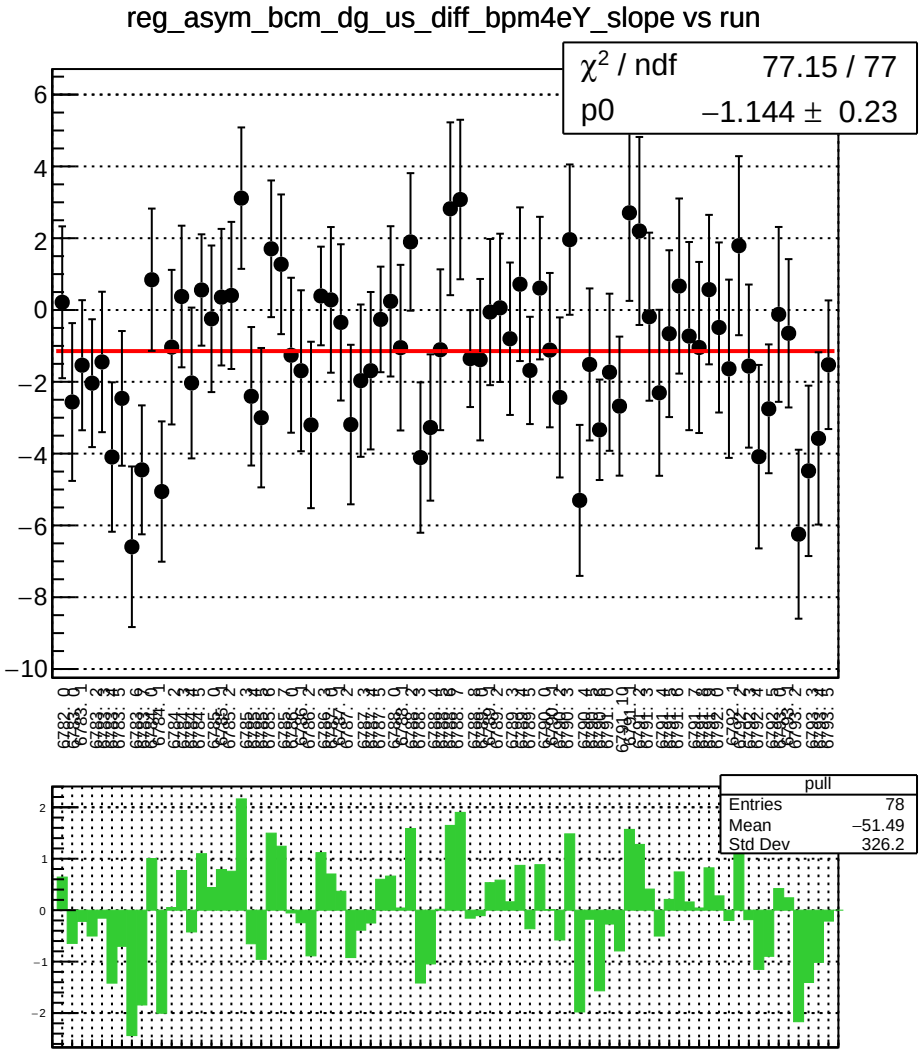

pull1D
Entries 78
Mean −0.3979
Std Dev 3.396

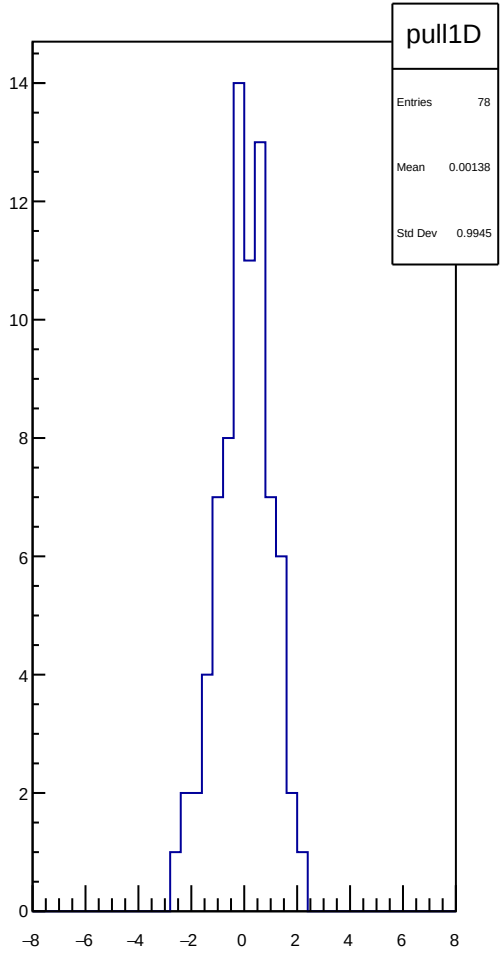

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 75.44 / 77
p0 0.4424 ± 0.1677
pull
Entries 78
Mean 221.8
Std Dev 219.4

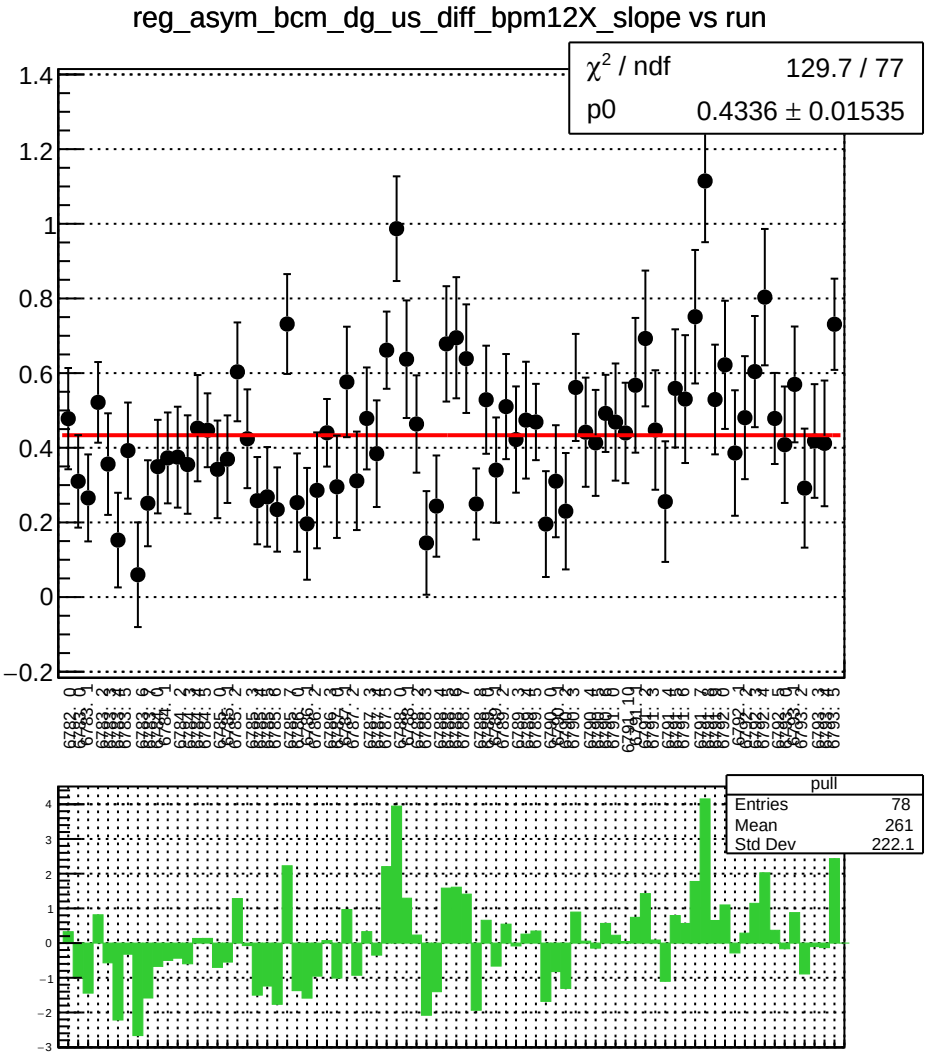

pull1D
Entries 78
Mean −0.00779
Std Dev 0.9834

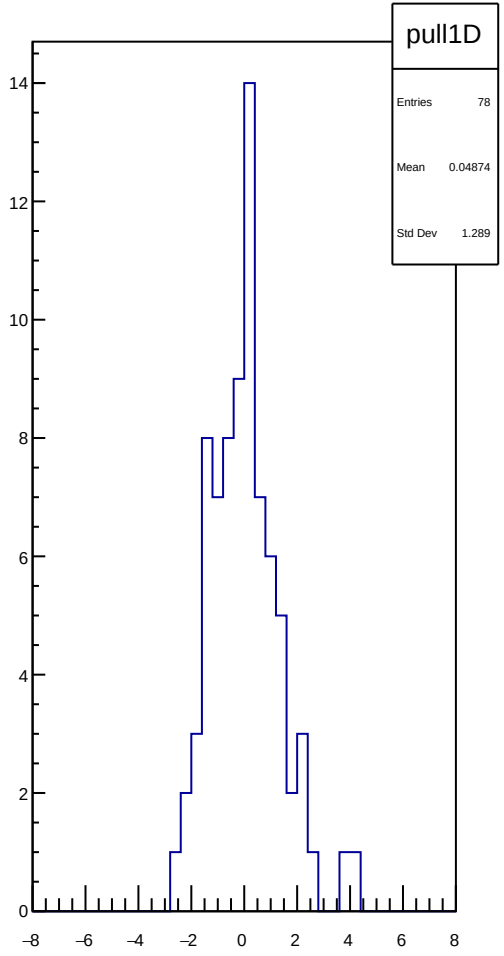

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 988.9 / 77
p0 47.98 ± 0.3275
pull
Entries 78
Mean 268.2
Std Dev 227.9


pull1D
Entries 78
Mean 0.4018
Std Dev 3.401


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 77.15 / 77
p0 −1.144 ± 0.23
pull
Entries 78
Mean −51.49
Std Dev 326.2


pull1D
Entries 78
Mean 0.00138
Std Dev 0.9945


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 129.7 / 77
p0 0.4336 ± 0.01535
pull
Entries 78
Mean 261
Std Dev 222.1


pull1D
Entries 78
Mean 0.04874
Std Dev 1.289