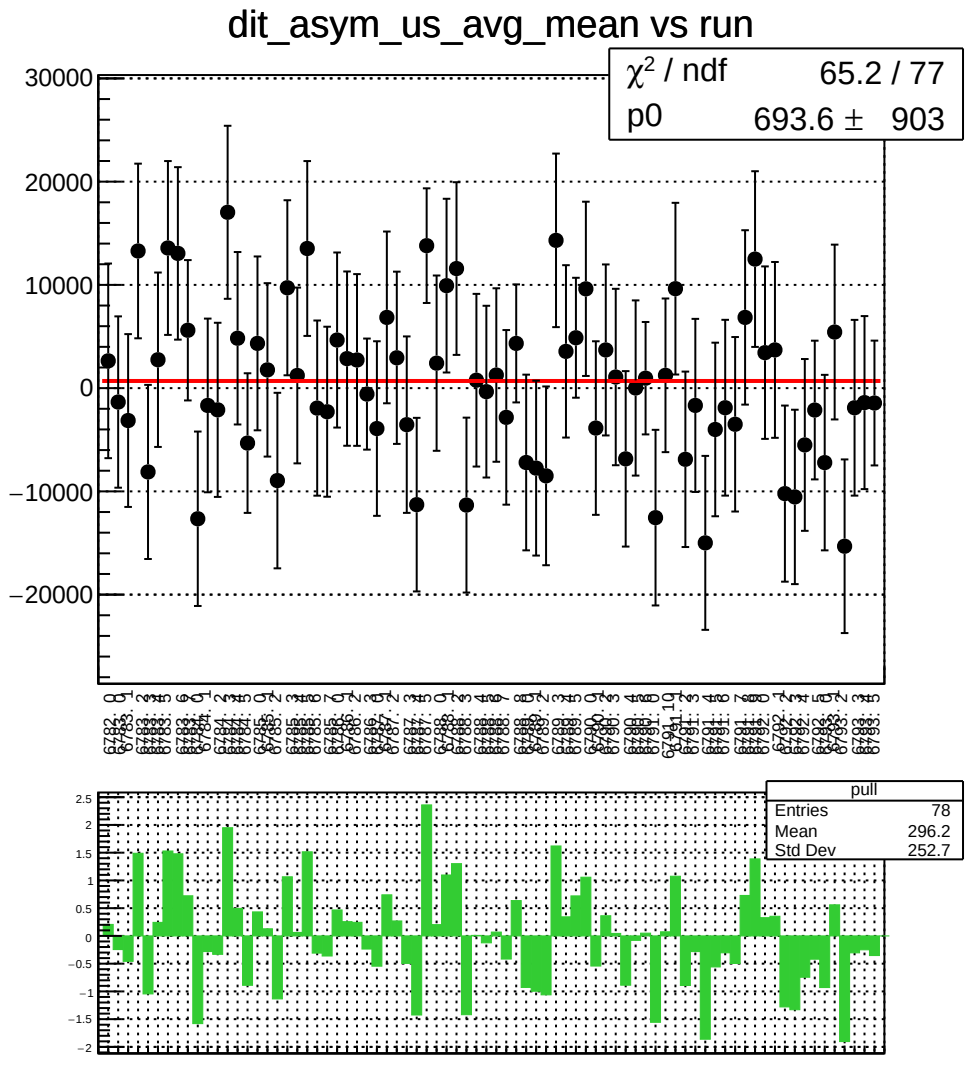
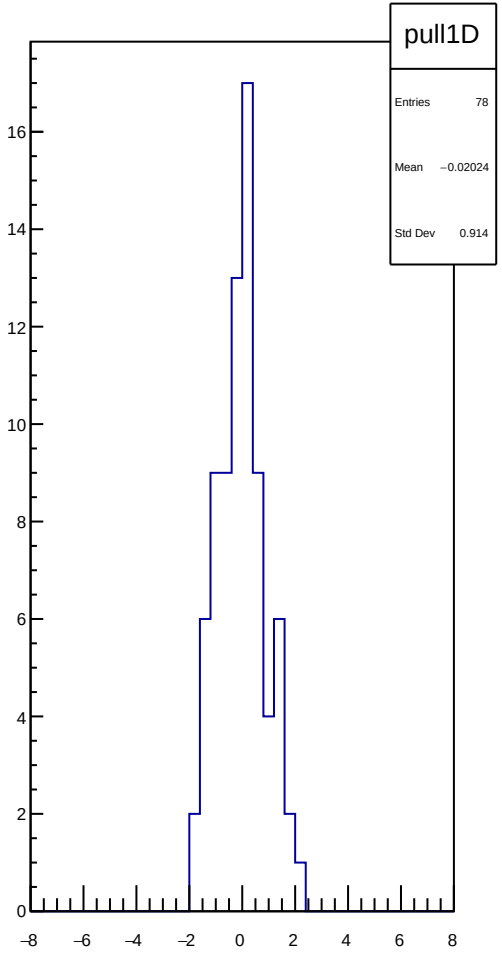
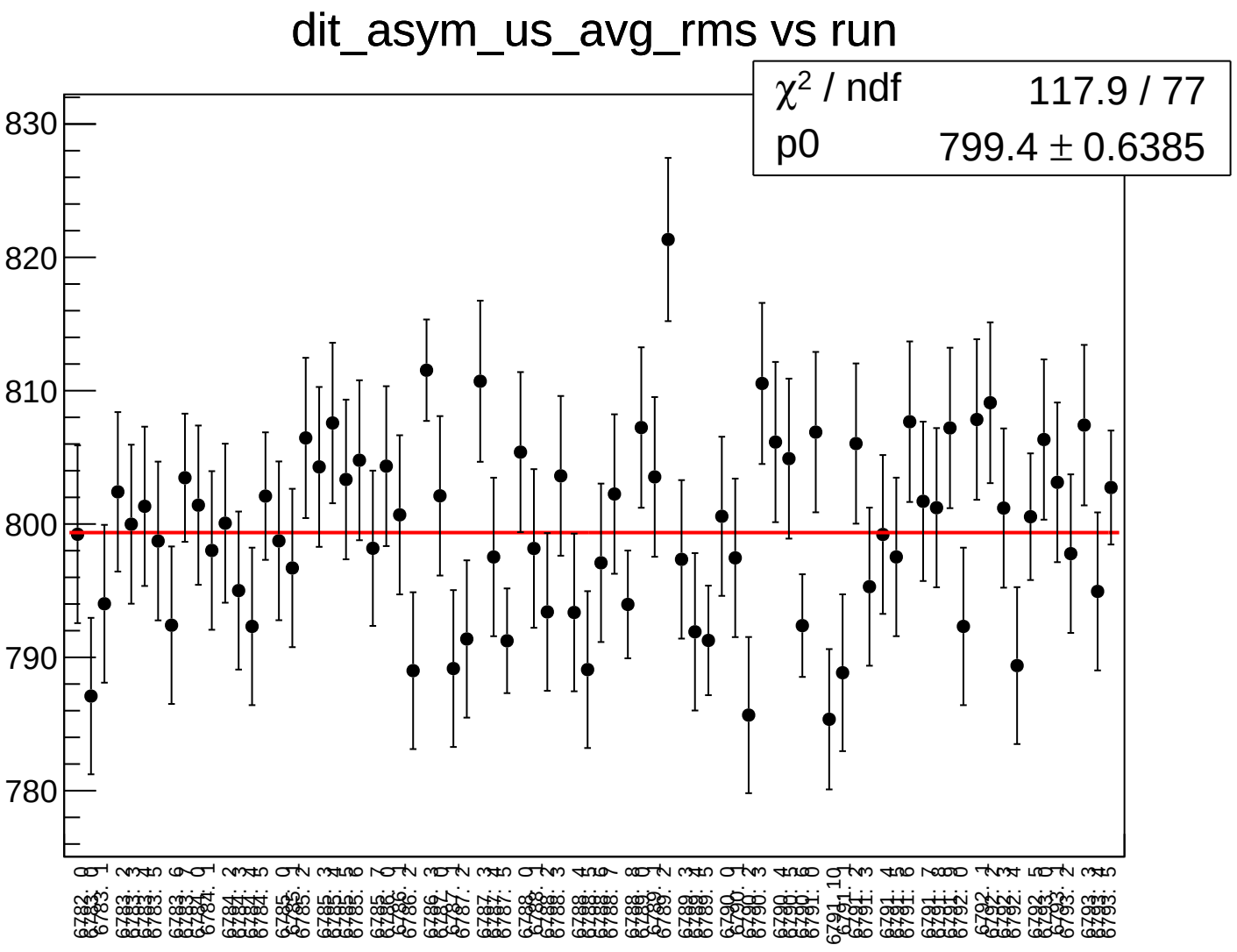
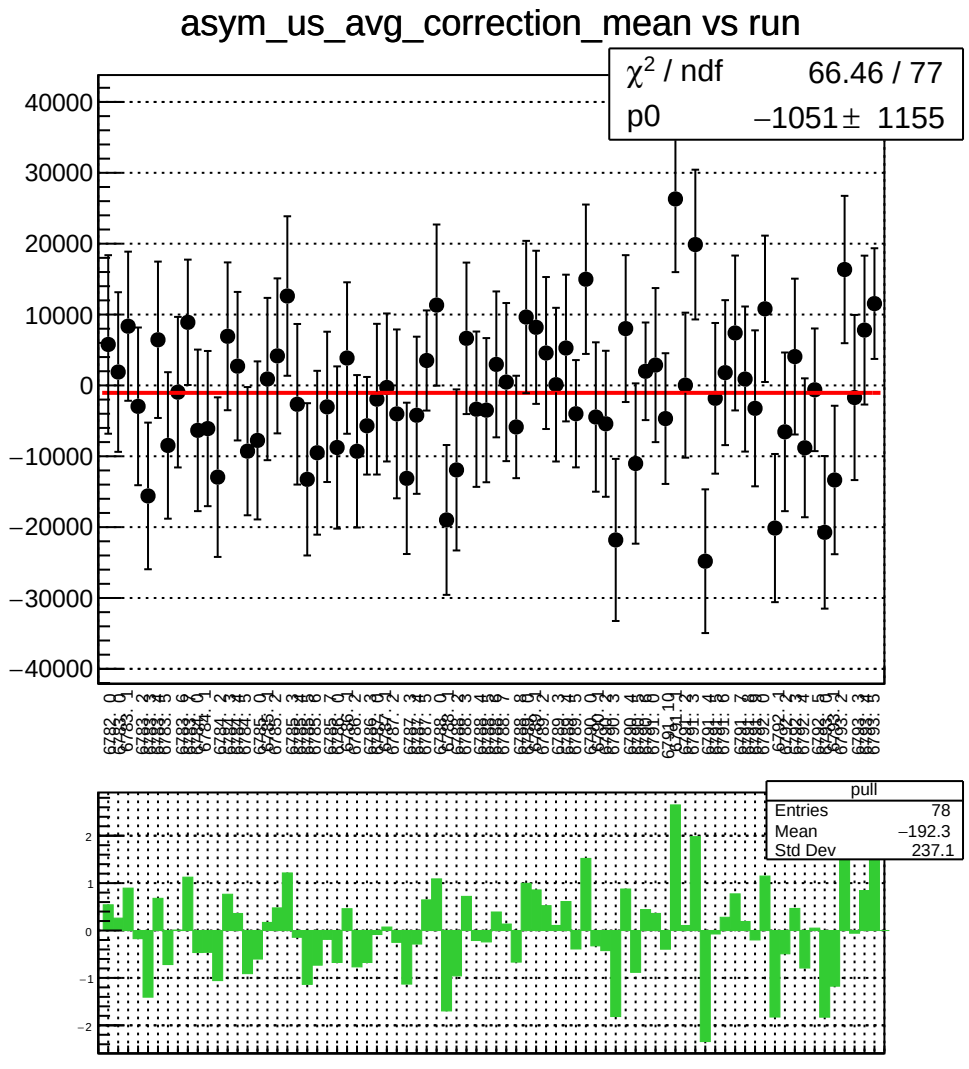
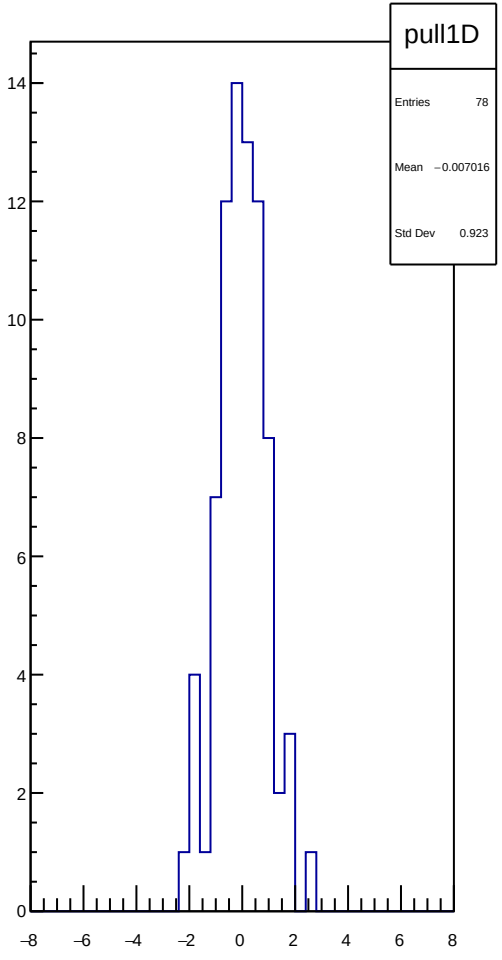
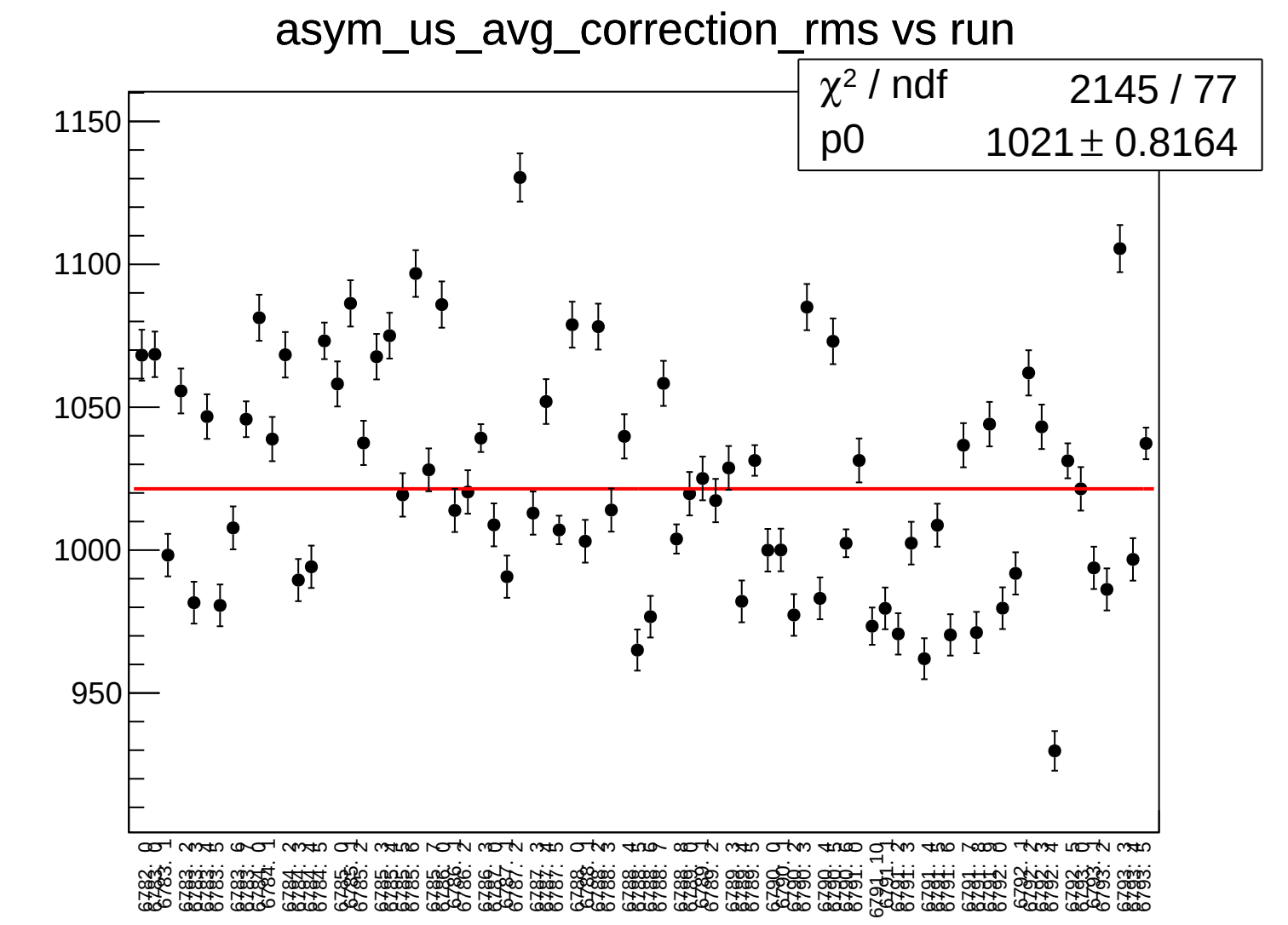

dit_asym_us_avg_mean vs run
χ² / ndf 65.2 / 77
p0 693.6 ± 903
pull
Entries 78
Mean 296.2
Std Dev 252.7

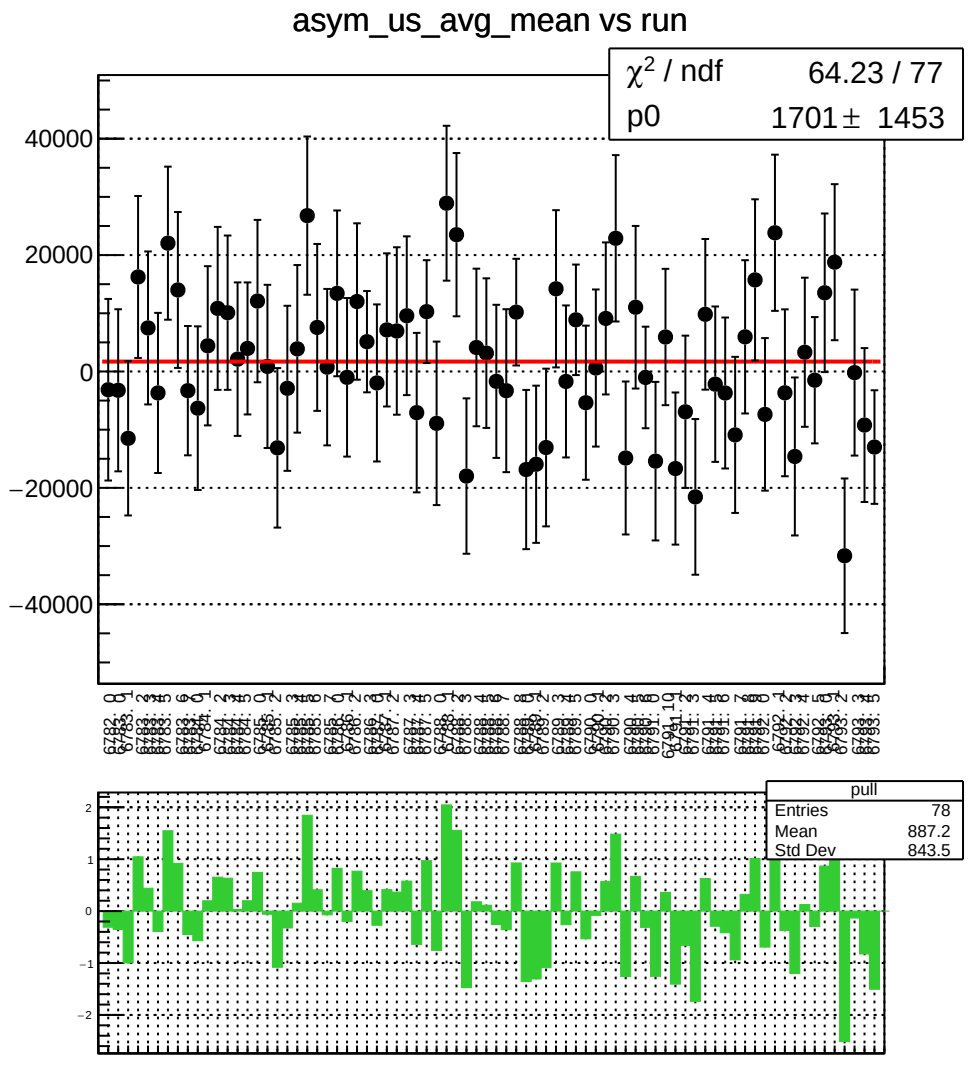

pull1D
Entries 78
Mean −0.02024
Std Dev 0.914

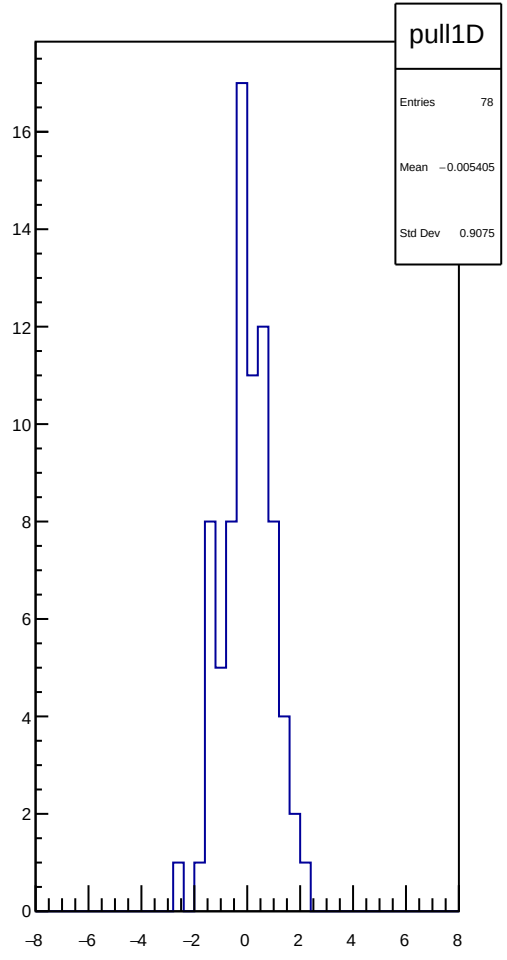

dit_asym_us_avg_rms vs run
χ^2 / ndf 117.9 / 77
p0 799.4 ± 0.6385
830
820
810
800
790
780

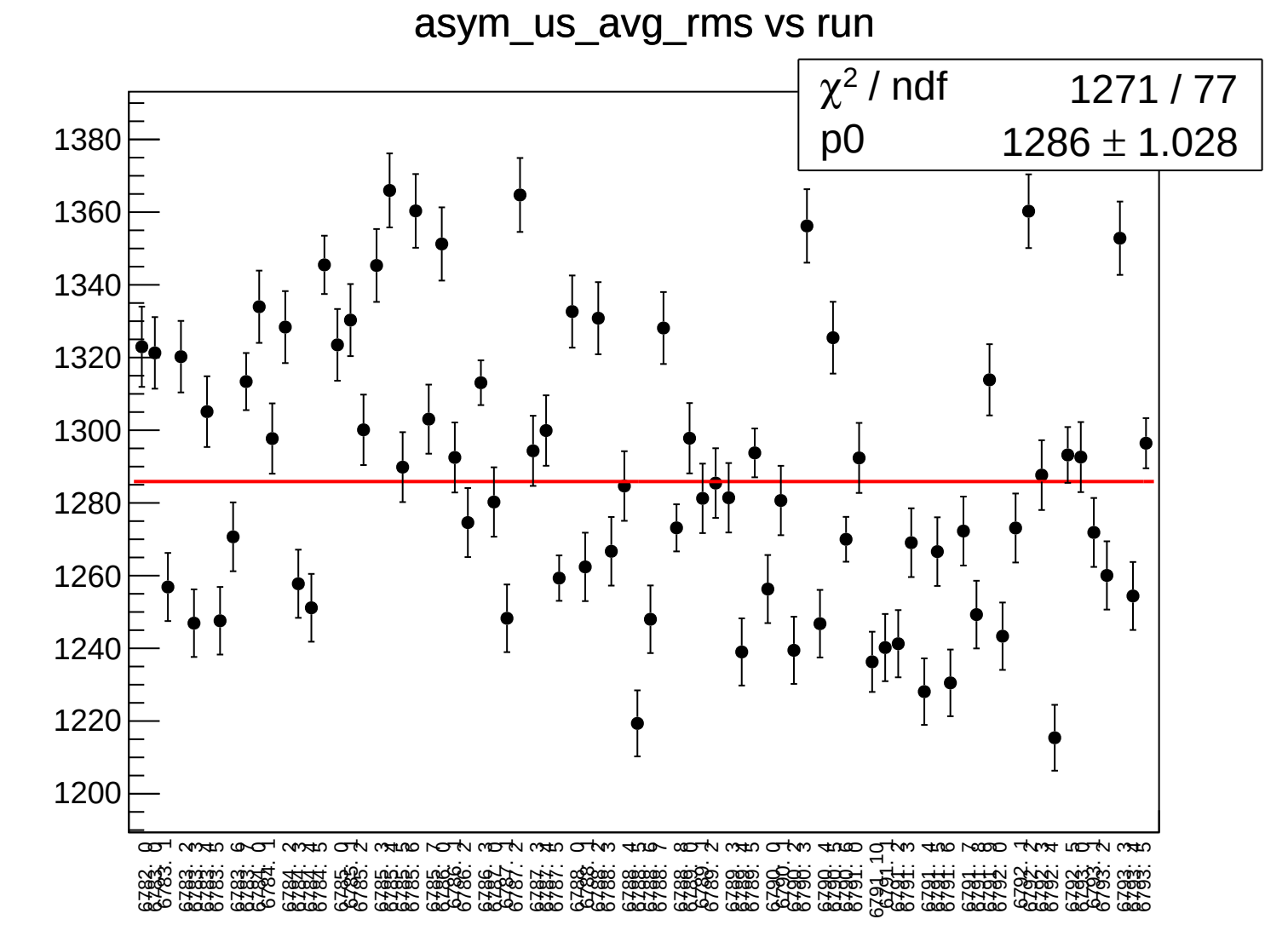

asym_us_avg_correction_mean vs run
χ² / ndf 66.46 / 77
p0 −1051 ± 1155
pull
Entries 78
Mean −192.3
Std Dev 237.1

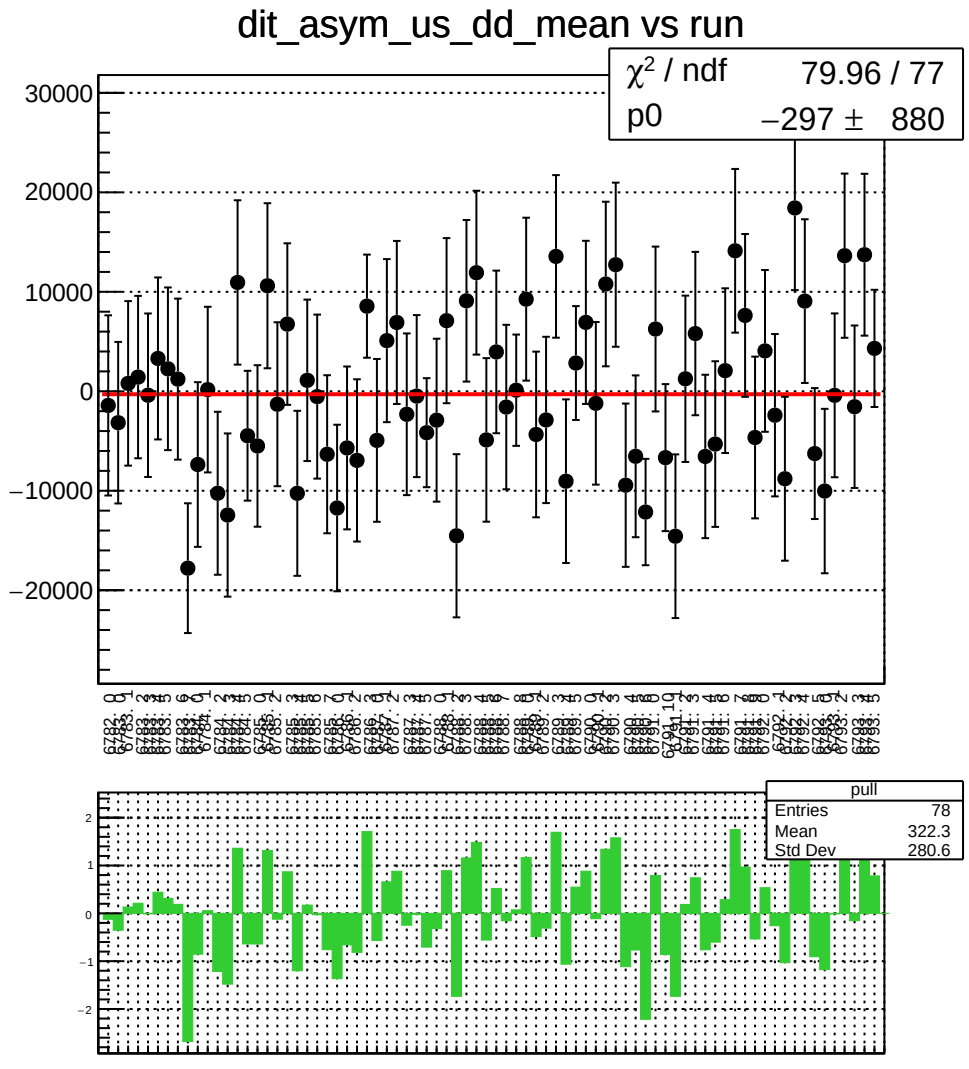

pull1D
Entries 78
Mean −0.007016
Std Dev 0.923

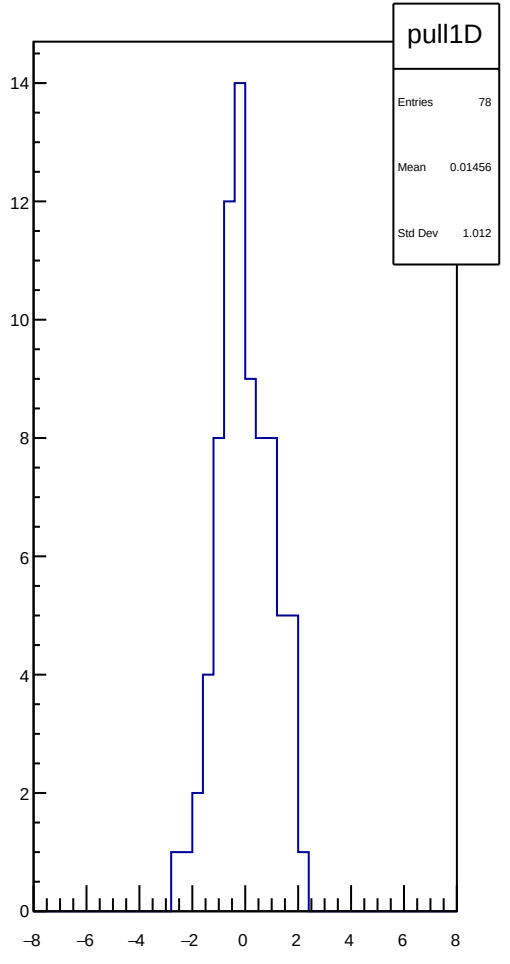

asym_us_avg_correction_rms vs run
χ² / ndf 2145 / 77
p0 1021 ± 0.8164
1150
1100
1050
1000
950

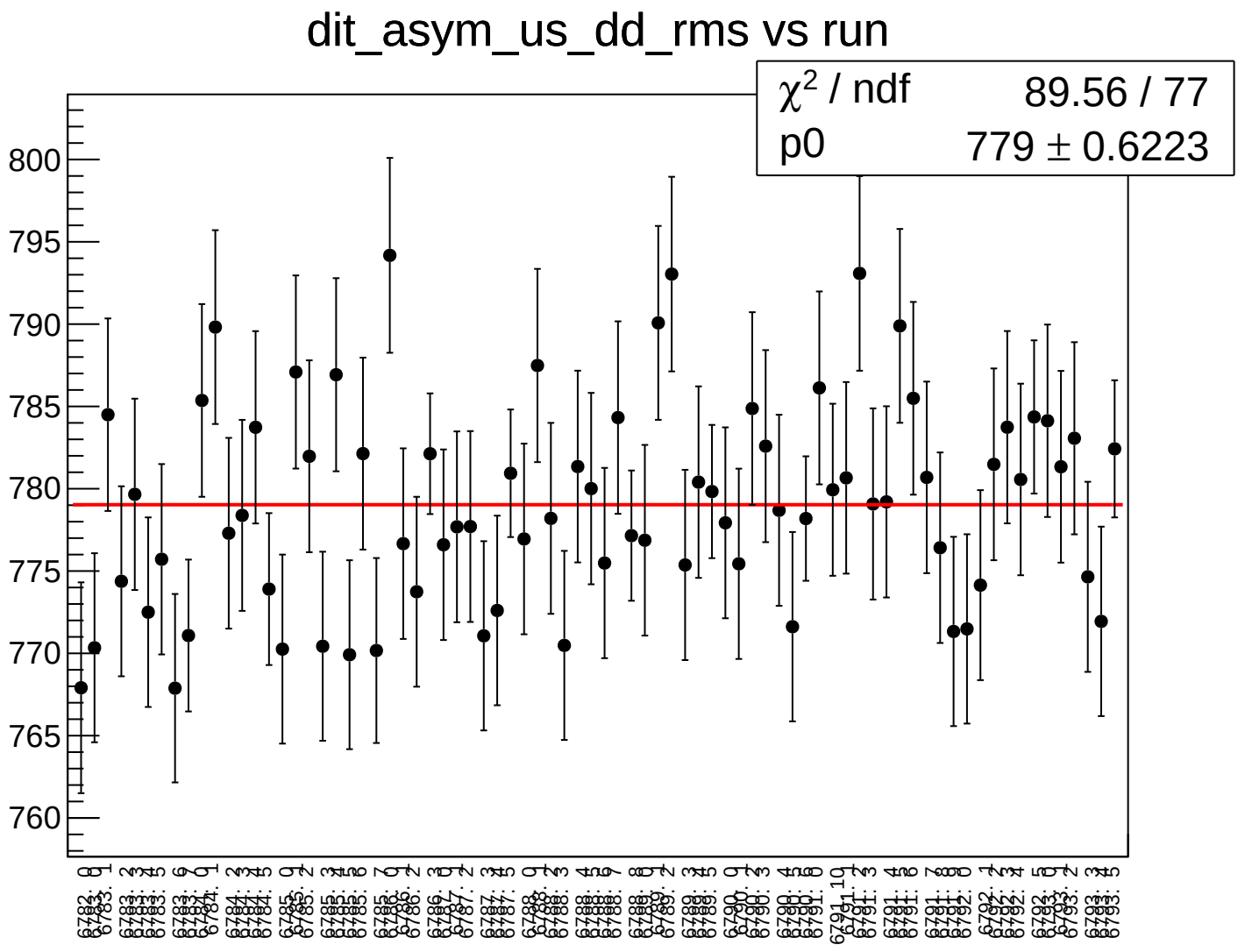

asym_us_avg_mean vs run
χ² / ndf 64.23 / 77
p0 1701 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 887.2
Std Dev 843.5
2
1
0
−1
−2

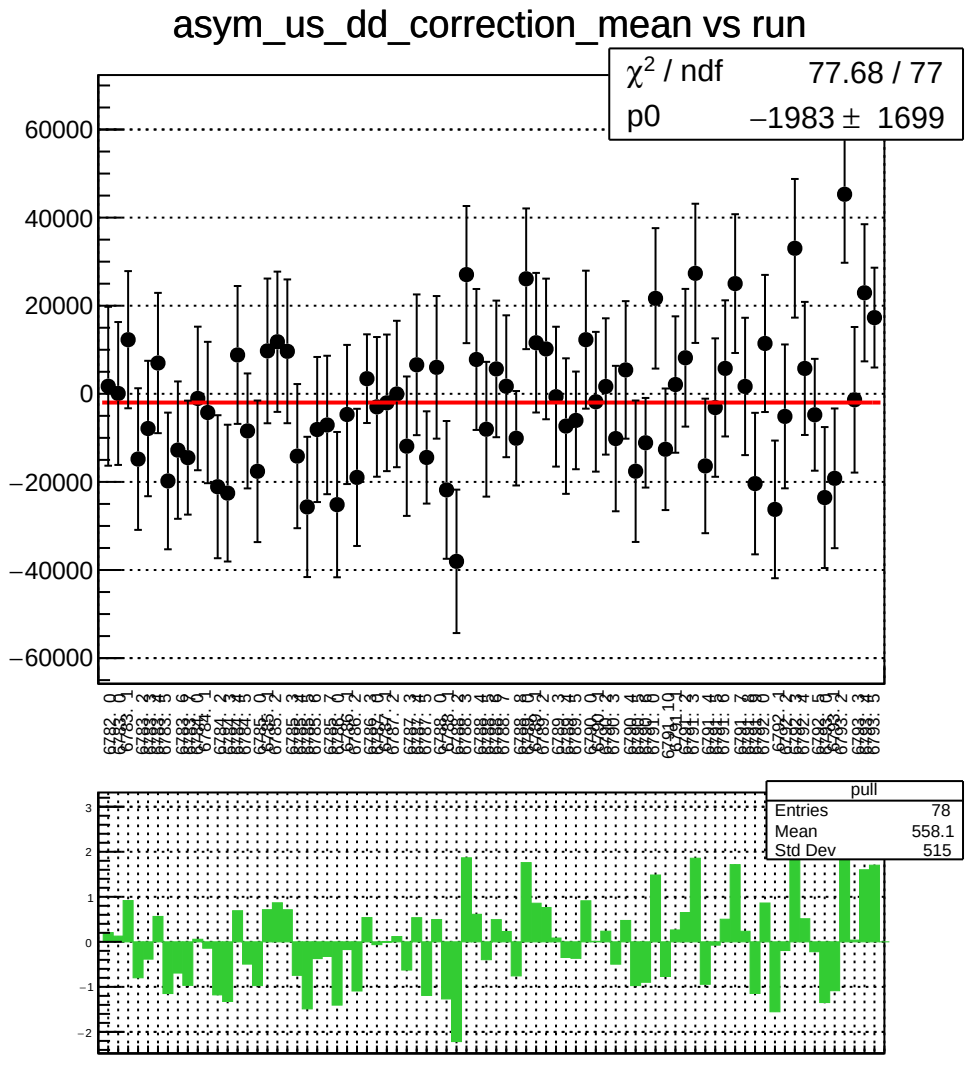

pull1D
Entries 78
Mean −0.005405
Std Dev 0.9075
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

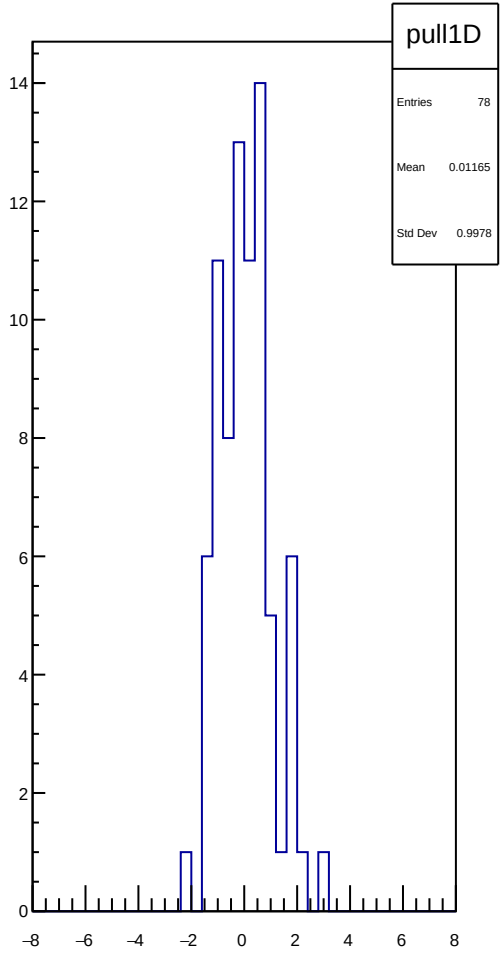

asym_us_avg_rms vs run
χ^2 / ndf 1271 / 77
p0 1286 ± 1.028
1380
1360
1340
1320
1300
1280
1260
1240
1220
1200

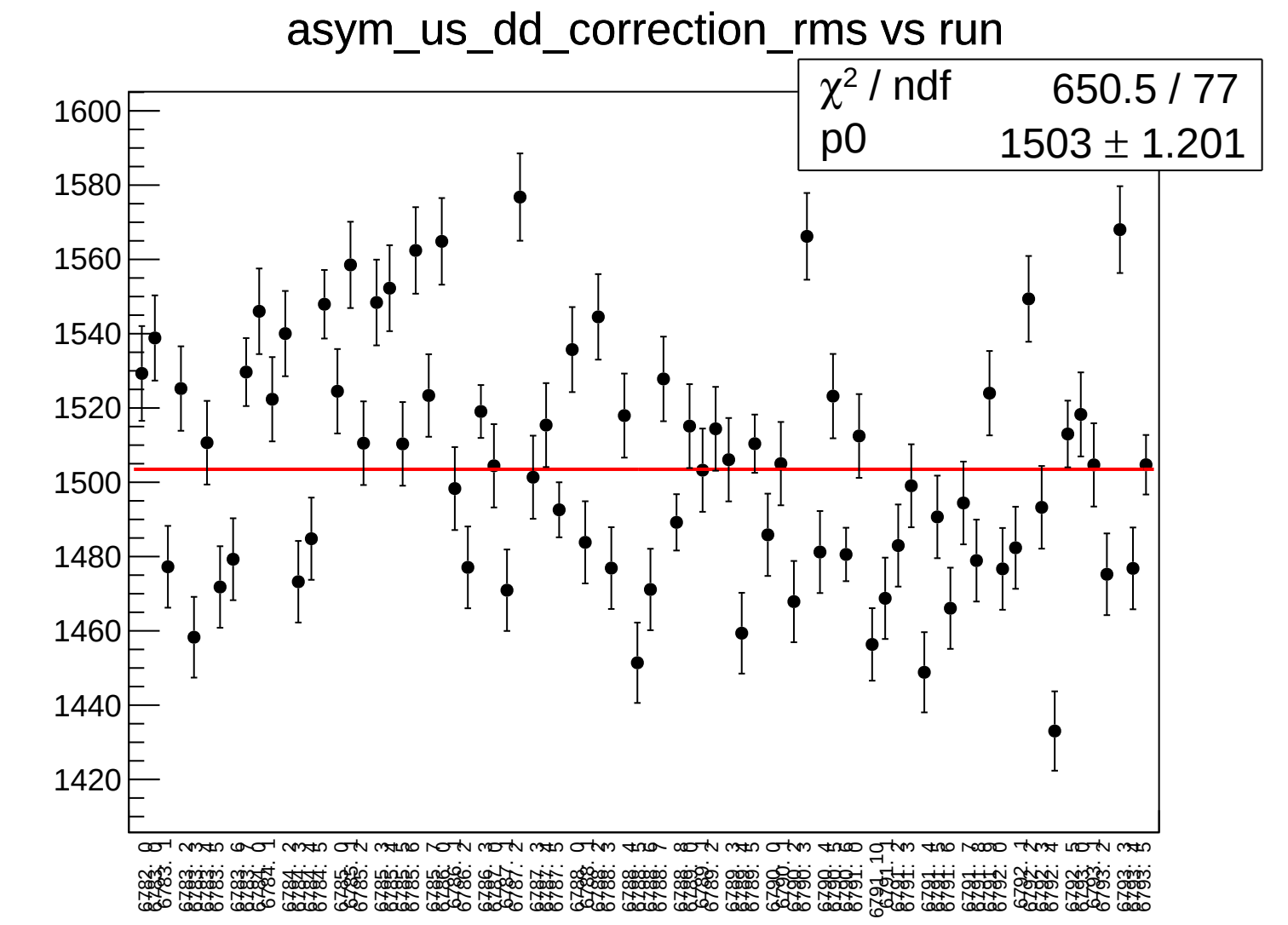

dit_asym_us_dd_mean vs run
χ² / ndf 79.96 / 77
p0 −297 ± 880
pull
Entries 78
Mean 322.3
Std Dev 280.6

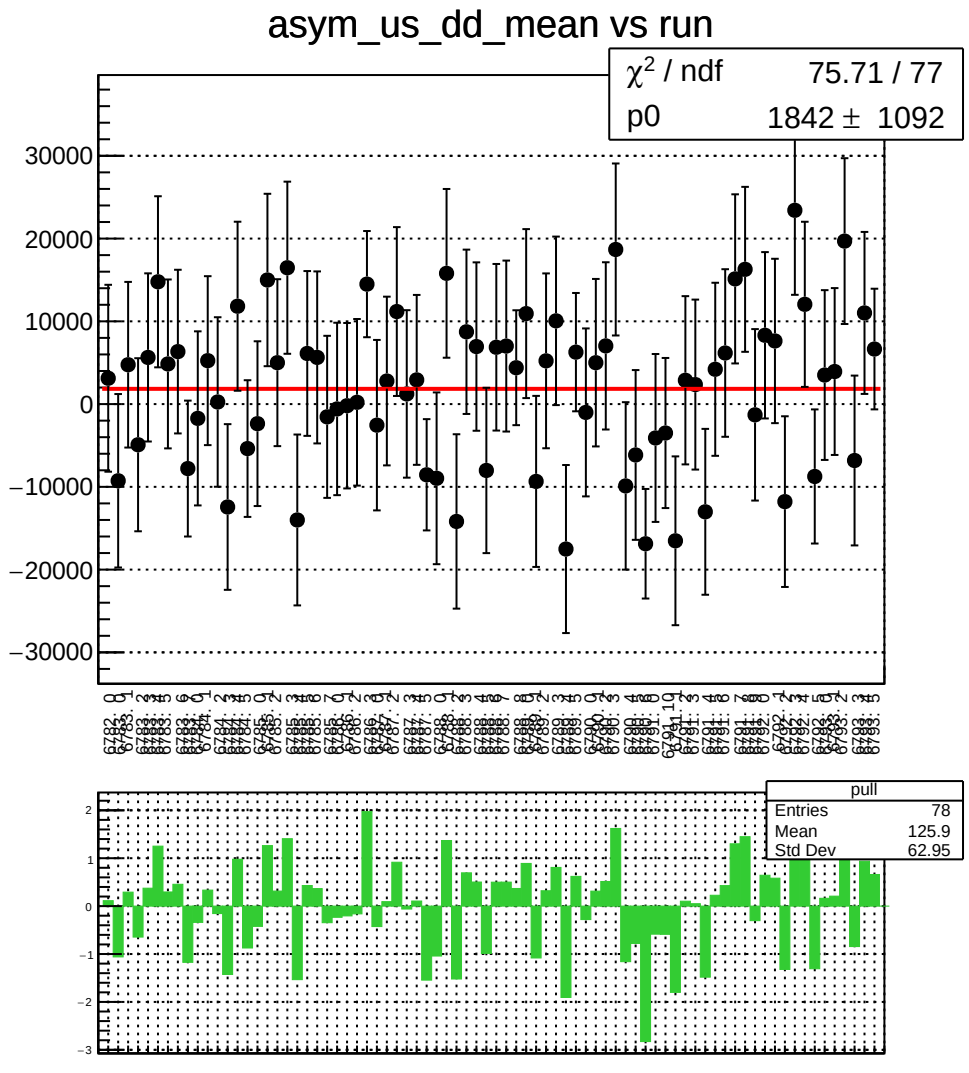

pull1D
Entries 78
Mean 0.01456
Std Dev 1.012

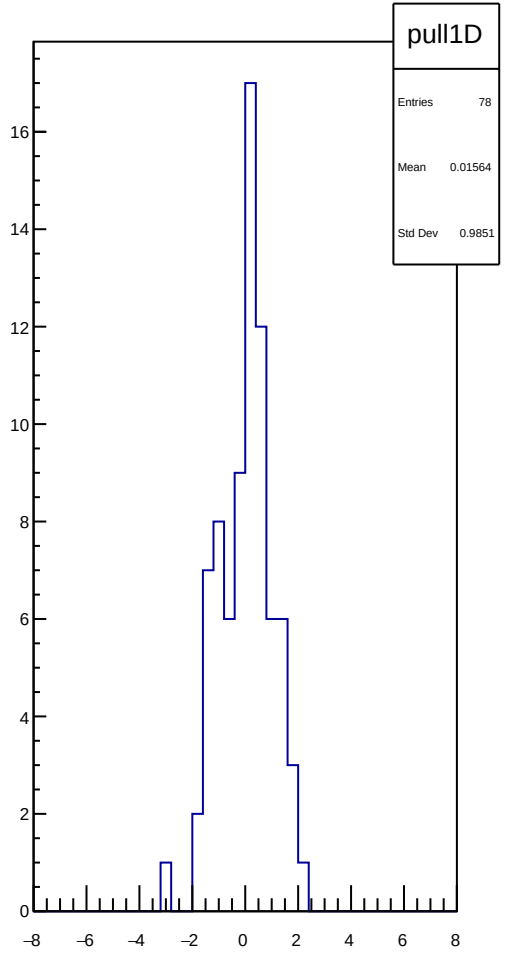

dit_asym_us_dd_rms vs run
χ^2 / ndf 89.56 / 77
p0 779 ± 0.6223
800
795
790
785
780
775
770
765
760

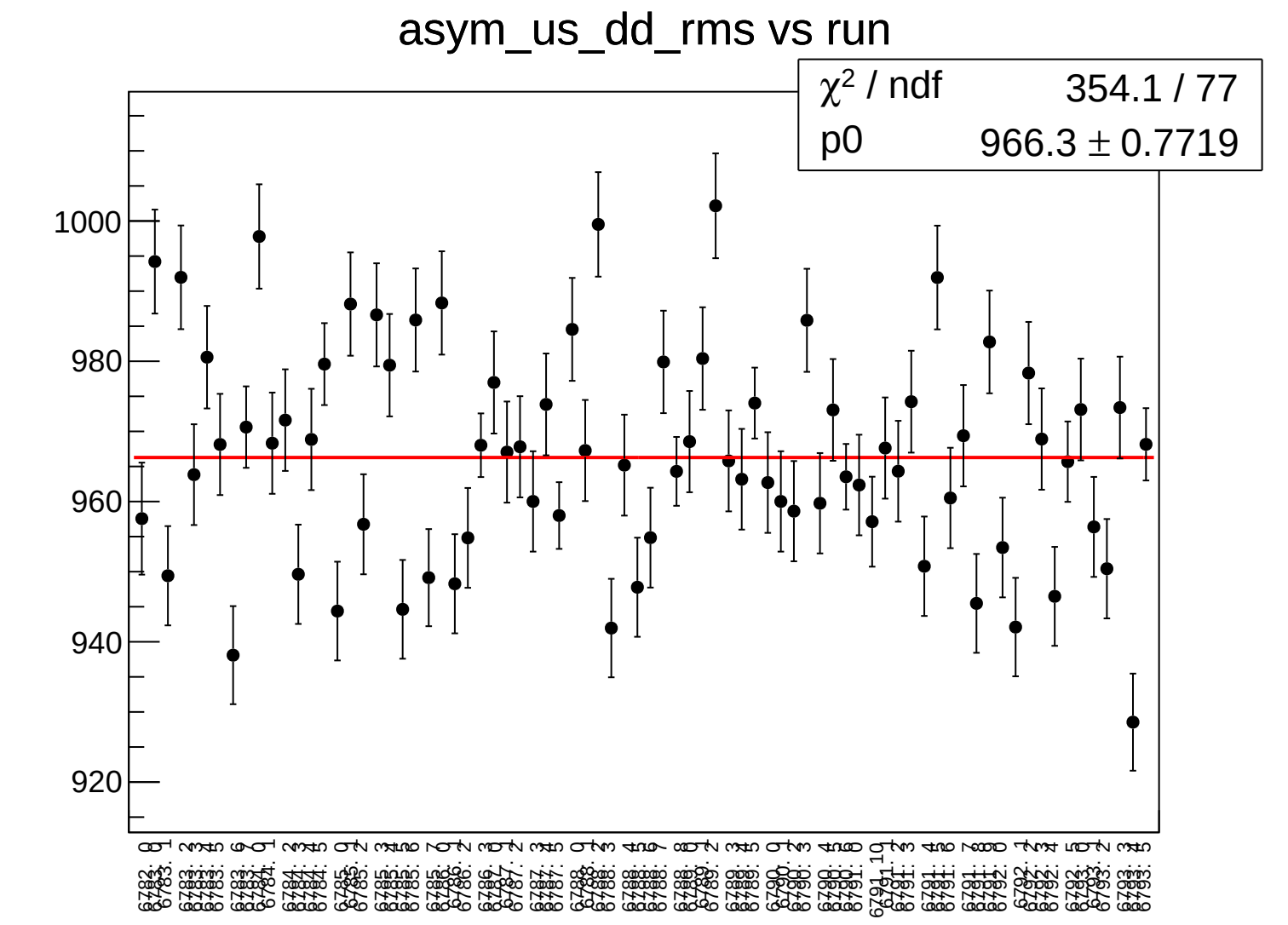

asym_us_dd_correction_mean vs run
χ² / ndf 77.68 / 77
p0 −1983 ± 1699
pull
Entries 78
Mean 558.1
Std Dev 515

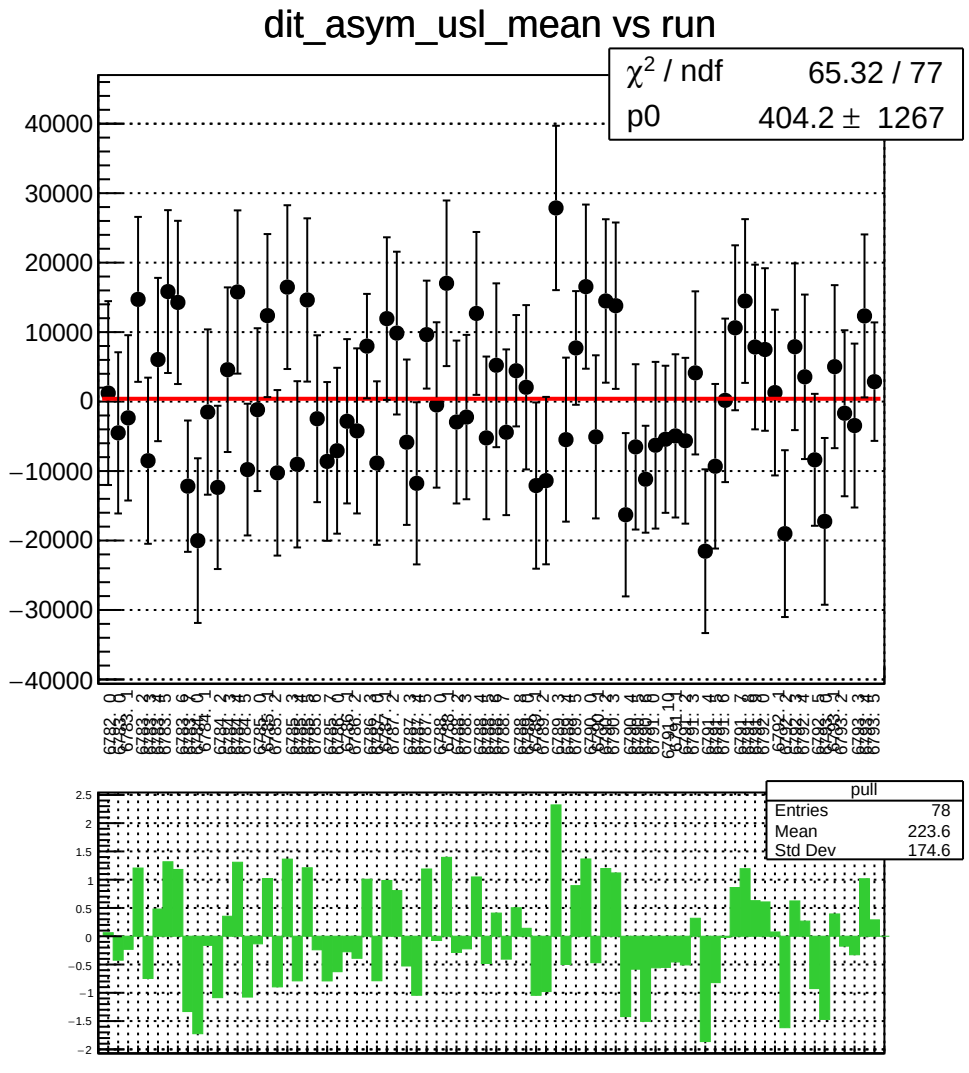

pull1D
Entries 78
Mean 0.01165
Std Dev 0.9978

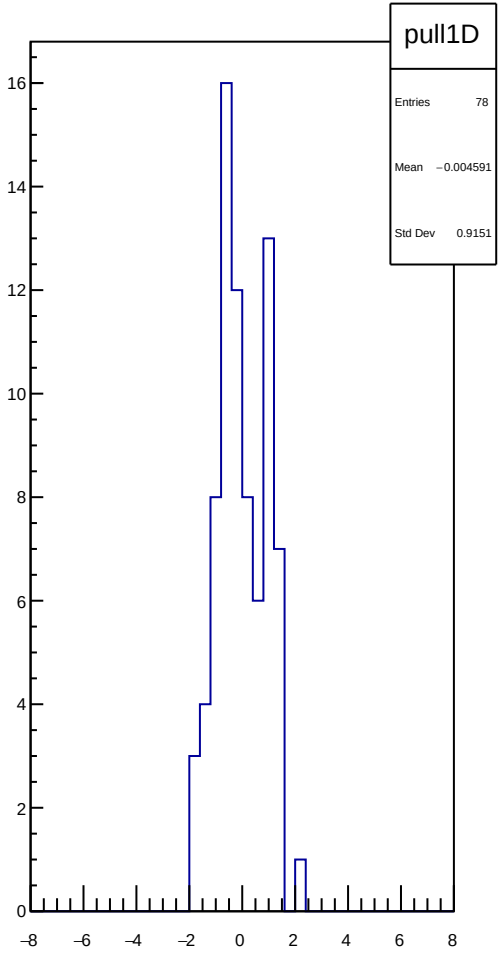

asym_us_dd_correction_rms vs run
χ² / ndf 650.5 / 77
p0 1503 ± 1.201
1600
1580
1560
1540
1520
1500
1480
1460
1440
1420

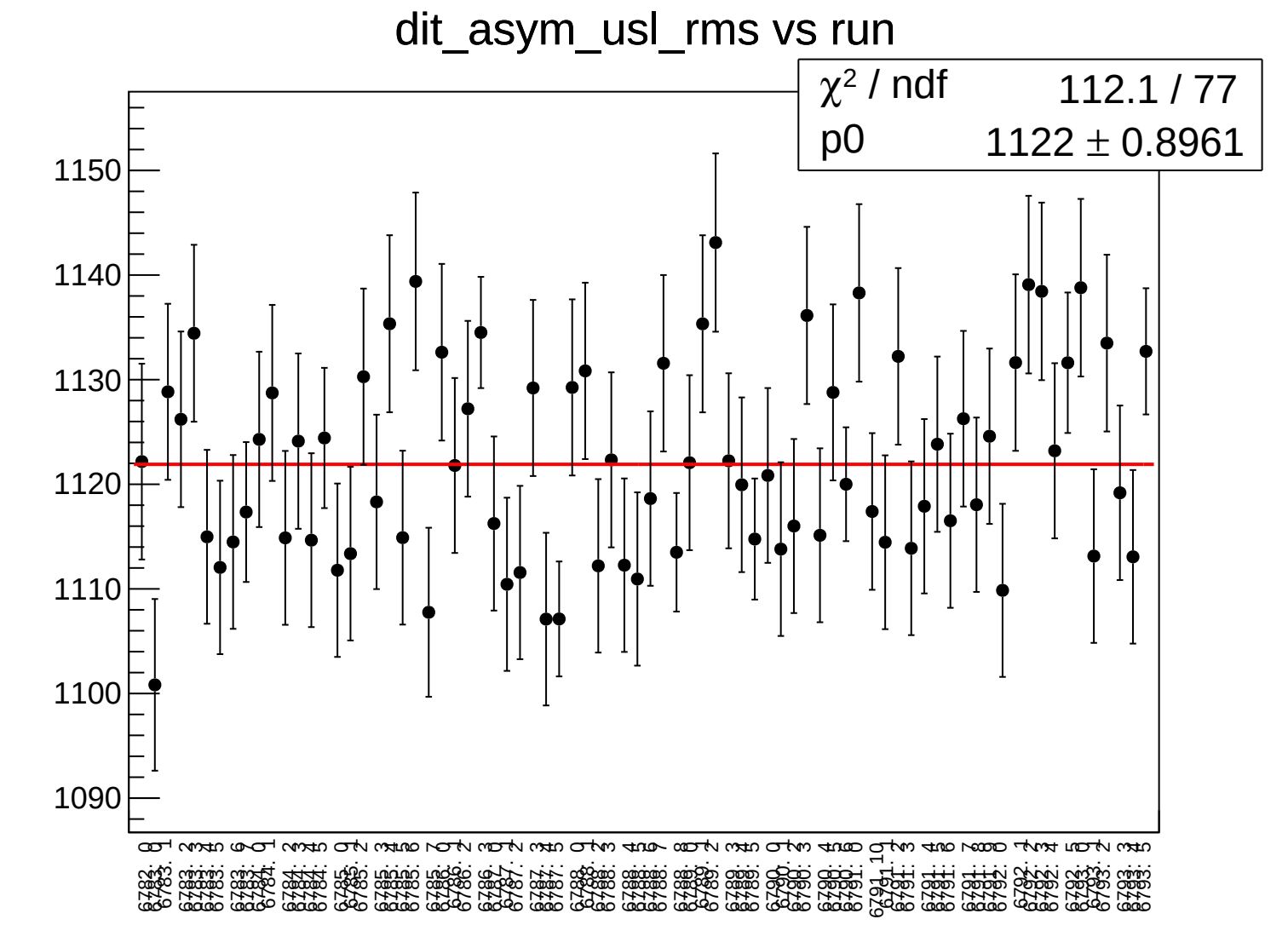

asym_us_dd_mean vs run
χ² / ndf 75.71 / 77
p0 1842 ± 1092
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean 125.9
Std Dev 62.95
2
1
0
−1
−2
−3

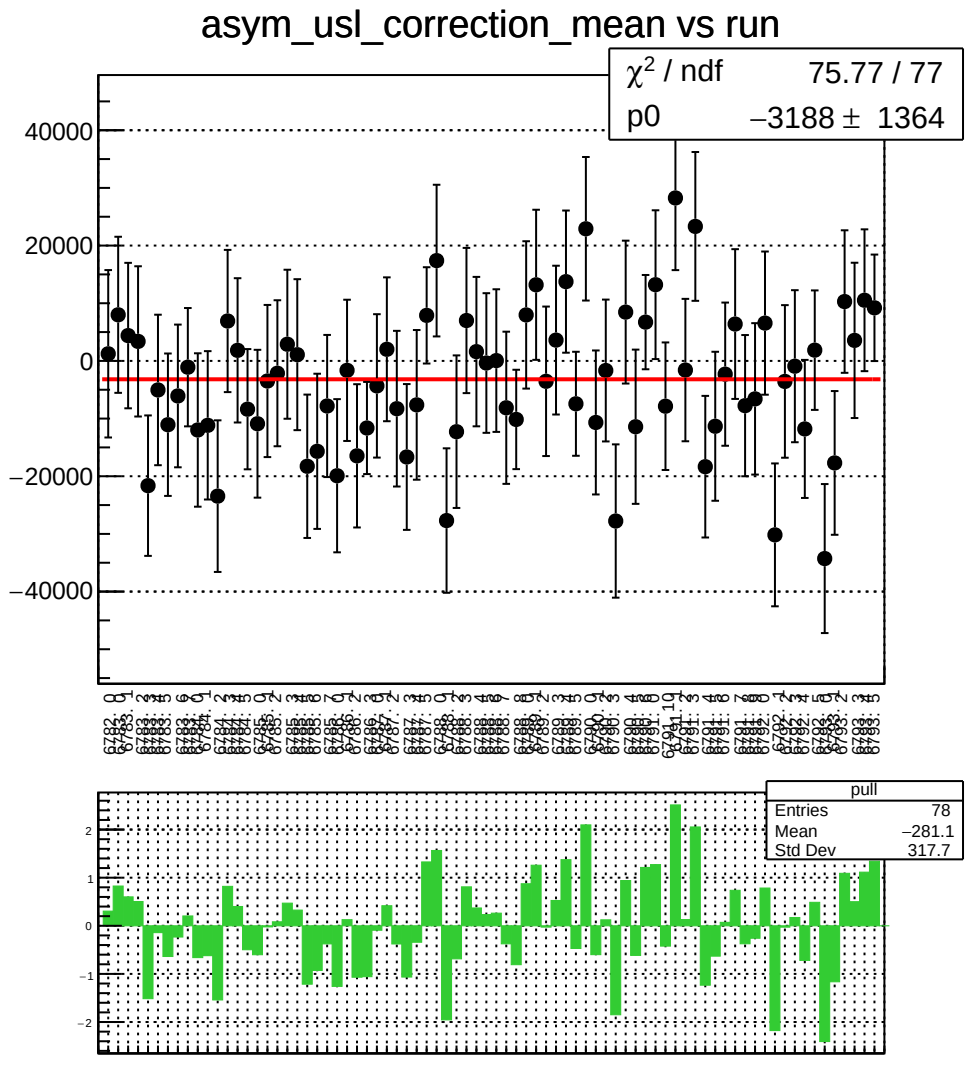

pull1D
Entries 78
Mean 0.01564
Std Dev 0.9851
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

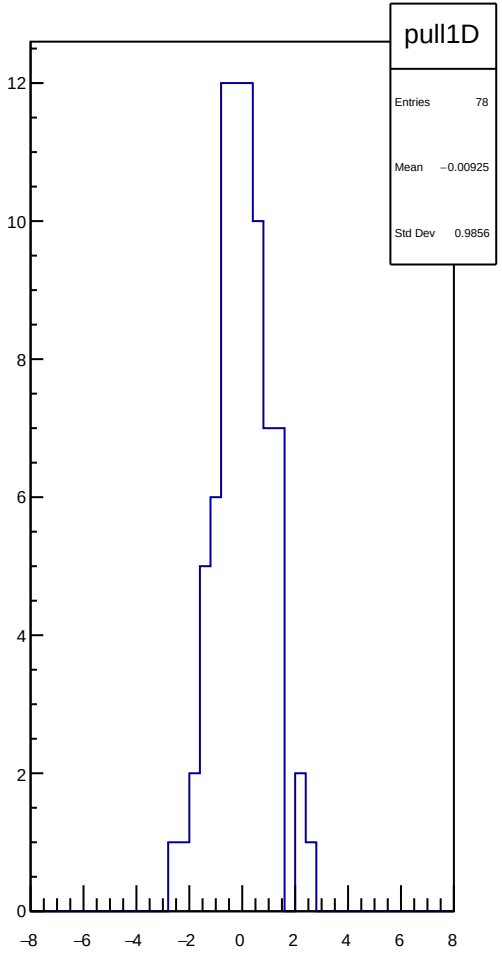

asym_us_dd_rms vs run
χ^2 / ndf 354.1 / 77
p0 966.3 ± 0.7719
1000
980
960
940
920

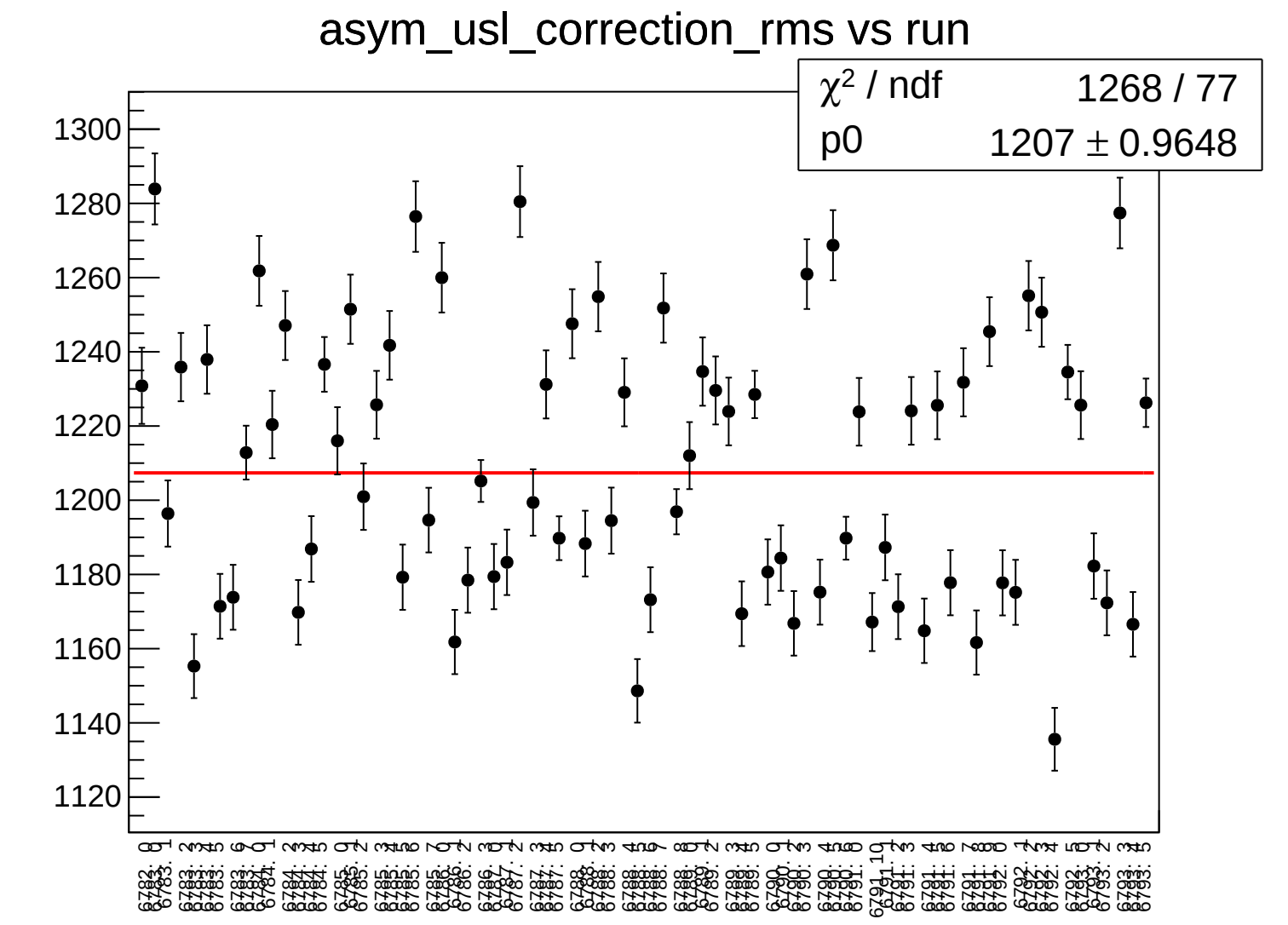

dit_asym_usl_mean vs run
χ² / ndf 65.32 / 77
p0 404.2 ± 1267
pull
Entries 78
Mean 223.6
Std Dev 174.6

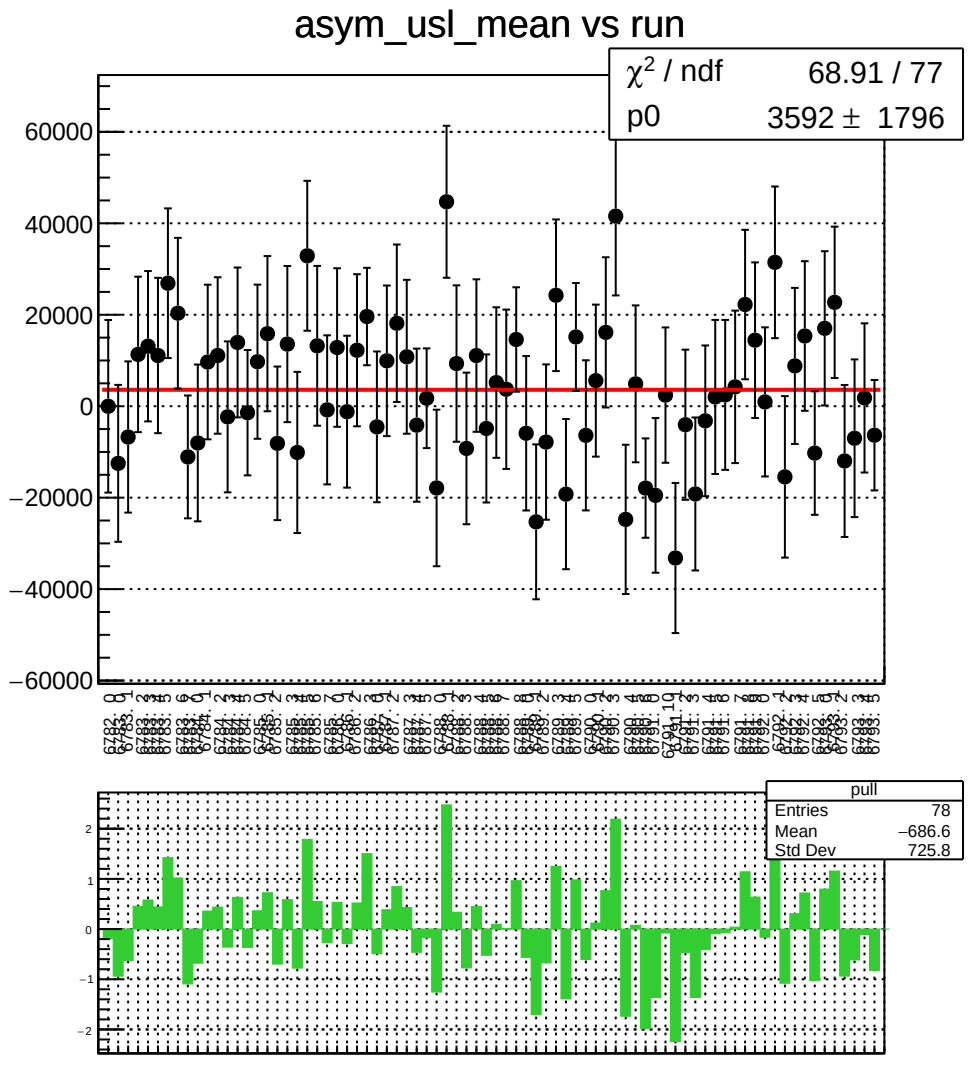

pull1D
Entries 78
Mean −0.004591
Std Dev 0.9151

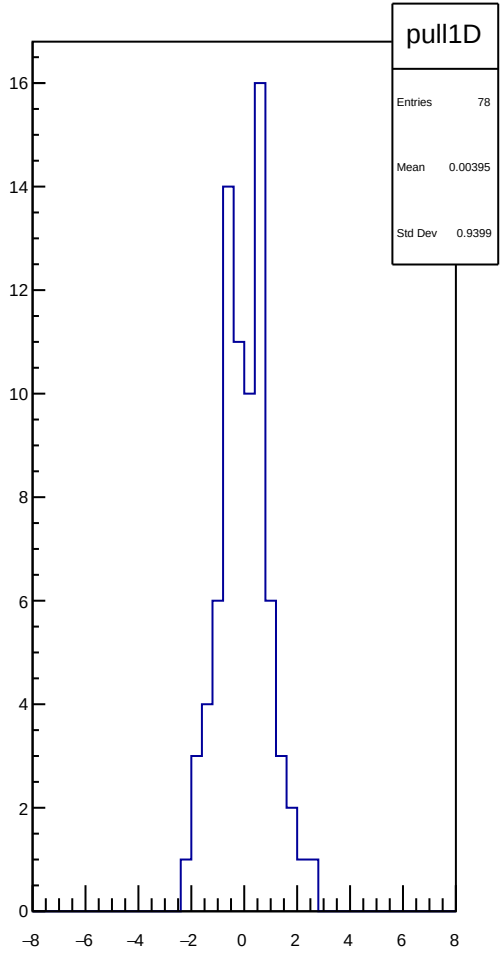

dit_asym_usl_rms vs run
χ² / ndf 112.1 / 77
p0 1122 ± 0.8961
1150
1140
1130
1120
1110
1100
1090

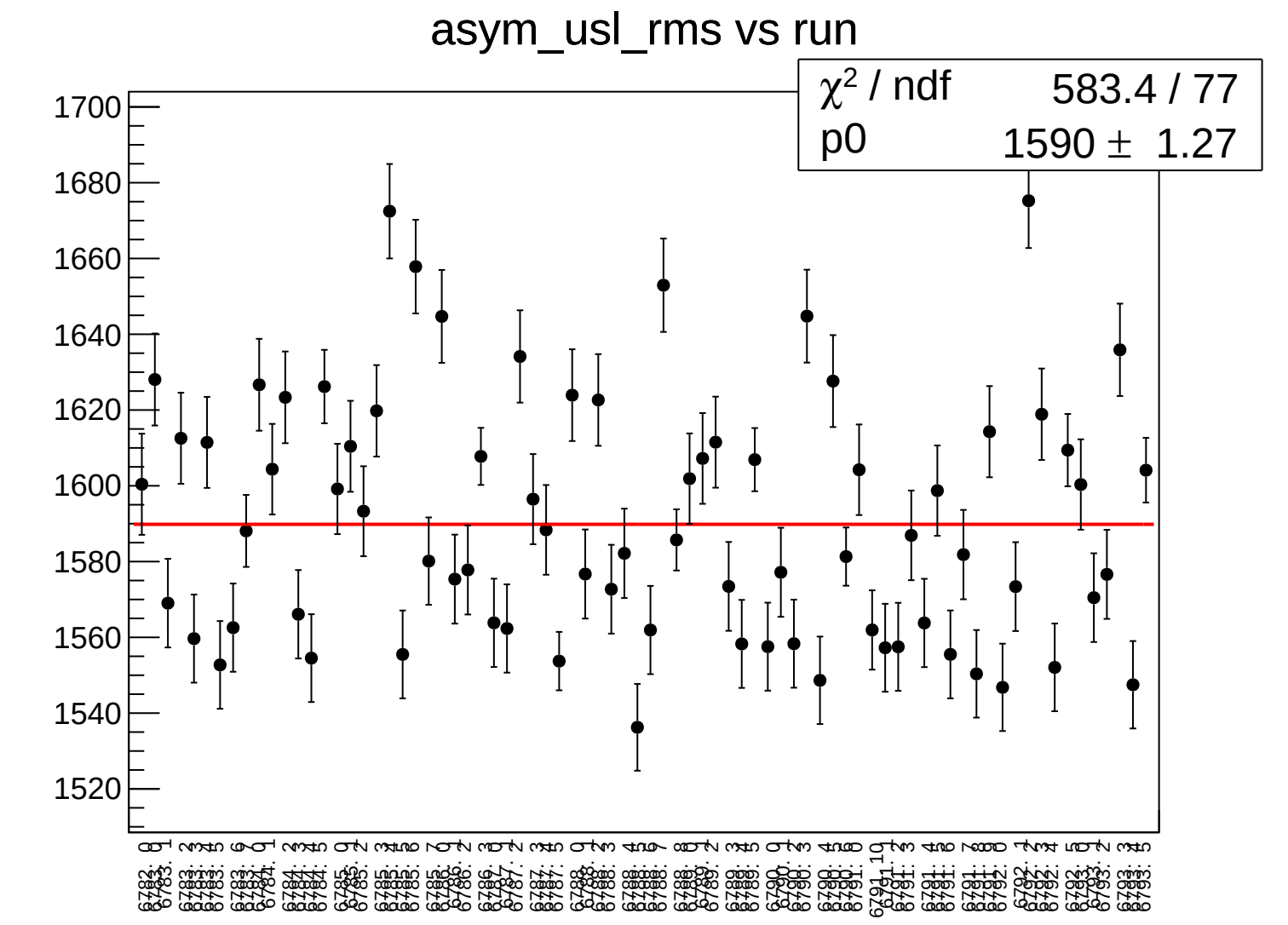

asym_usl_correction_mean vs run
χ² / ndf 75.77 / 77
p0 −3188 ± 1364
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −281.1
Std Dev 317.7
2
1
0
−1
−2

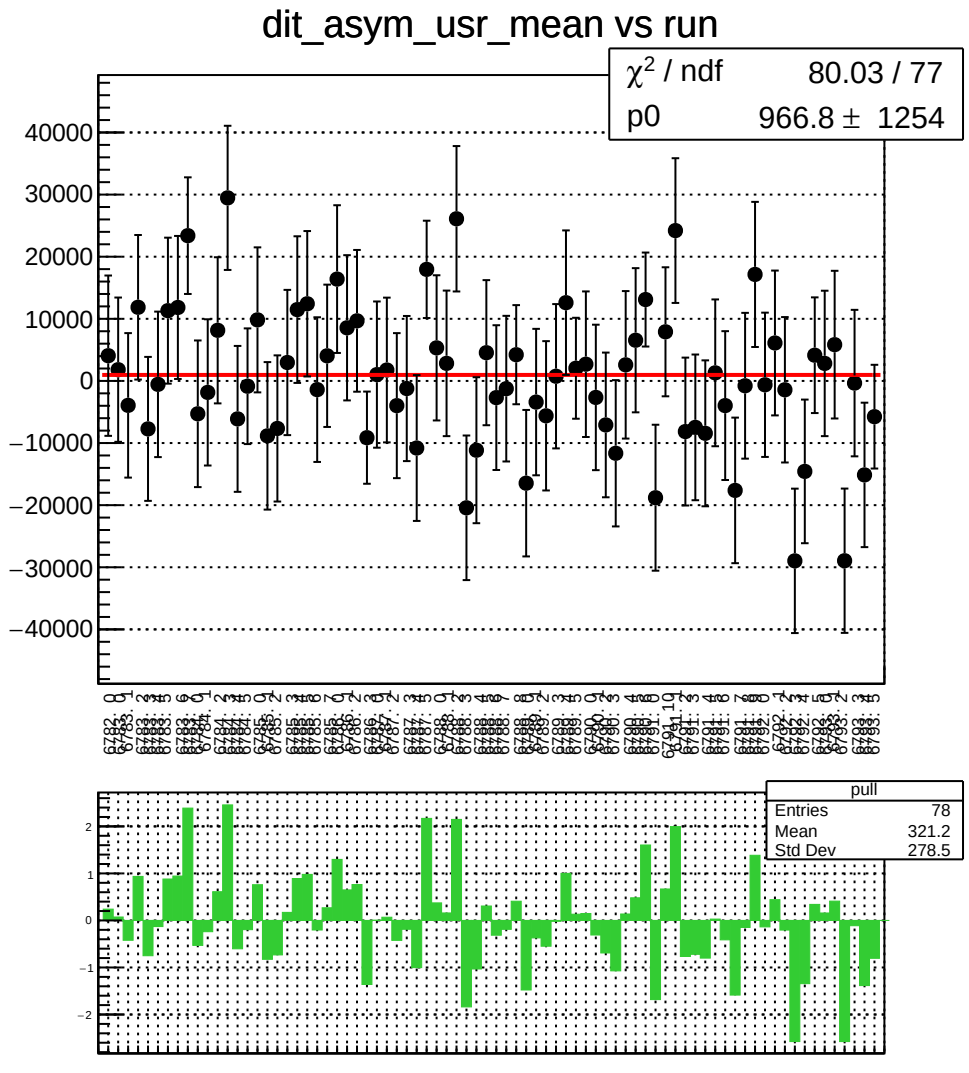

pull1D
Entries 78
Mean −0.00925
Std Dev 0.9856
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

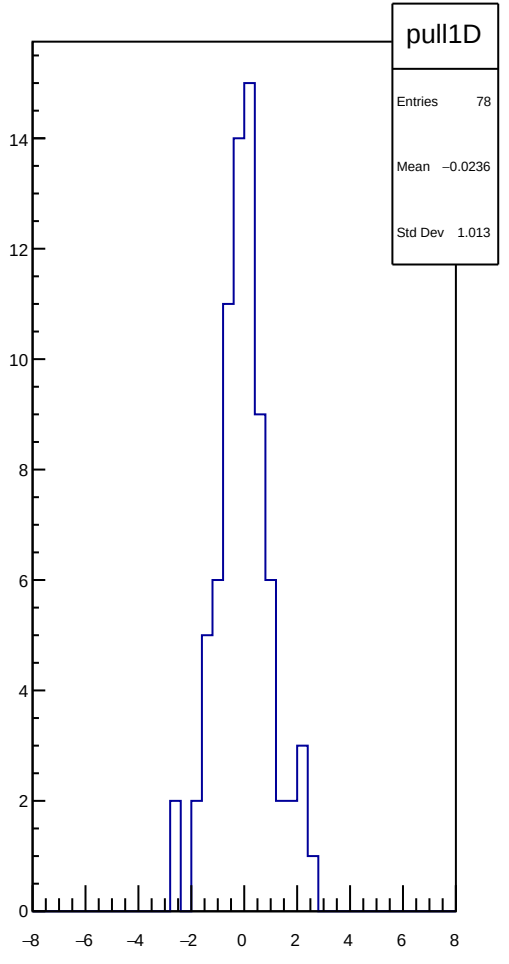

asym_usl_correction_rms vs run
χ² / ndf 1268 / 77
p0 1207 ± 0.9648
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120

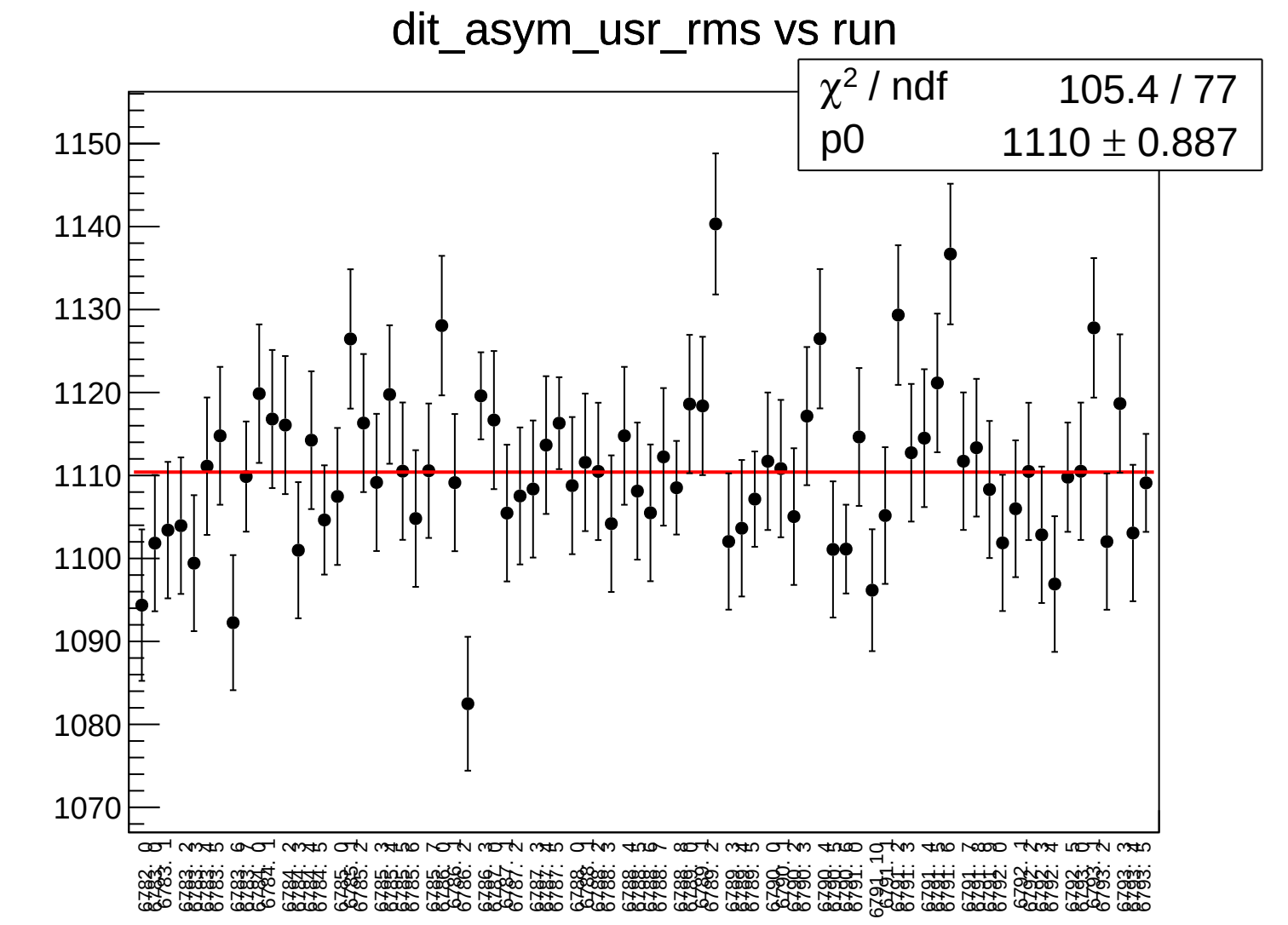

asym_usl_mean vs run
χ² / ndf 68.91 / 77
p0 3592 ± 1796
pull
Entries 78
Mean −686.6
Std Dev 725.8

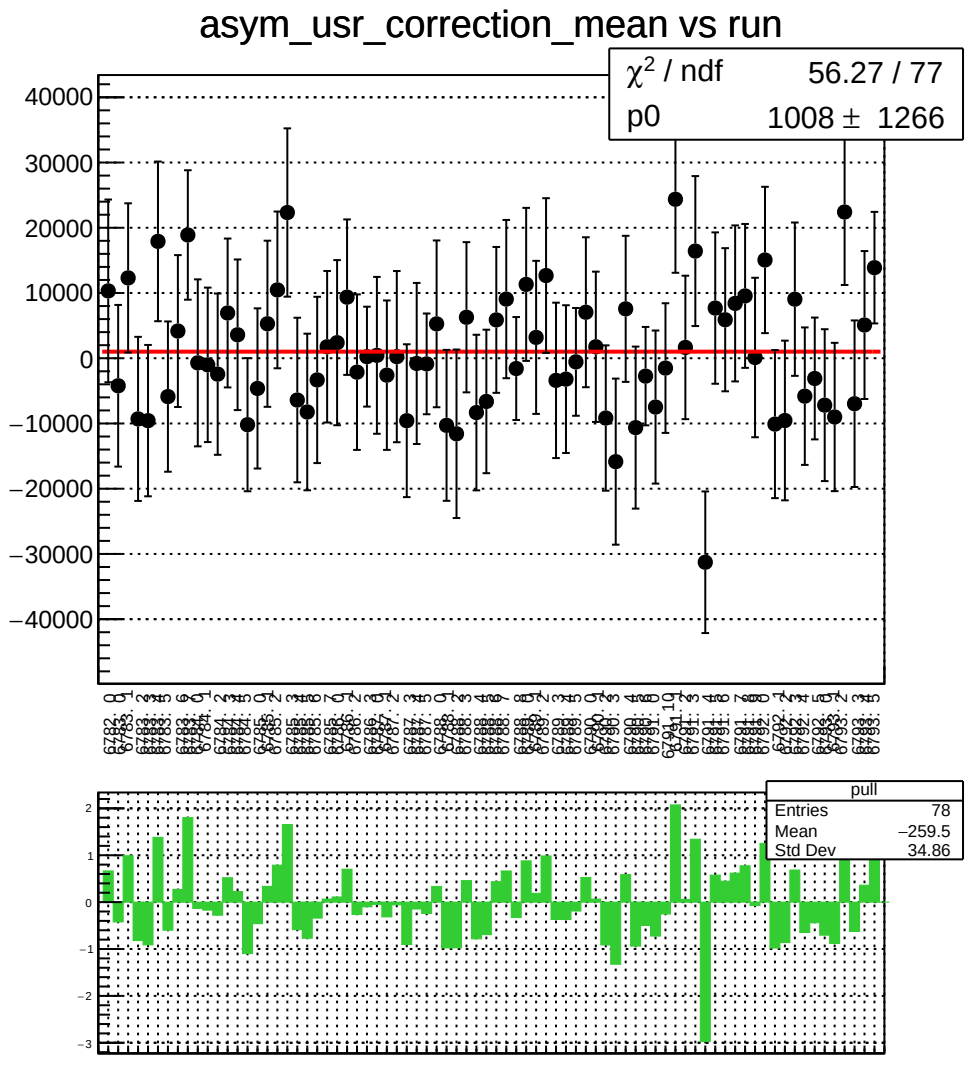

pull1D
Entries 78
Mean 0.00395
Std Dev 0.9399

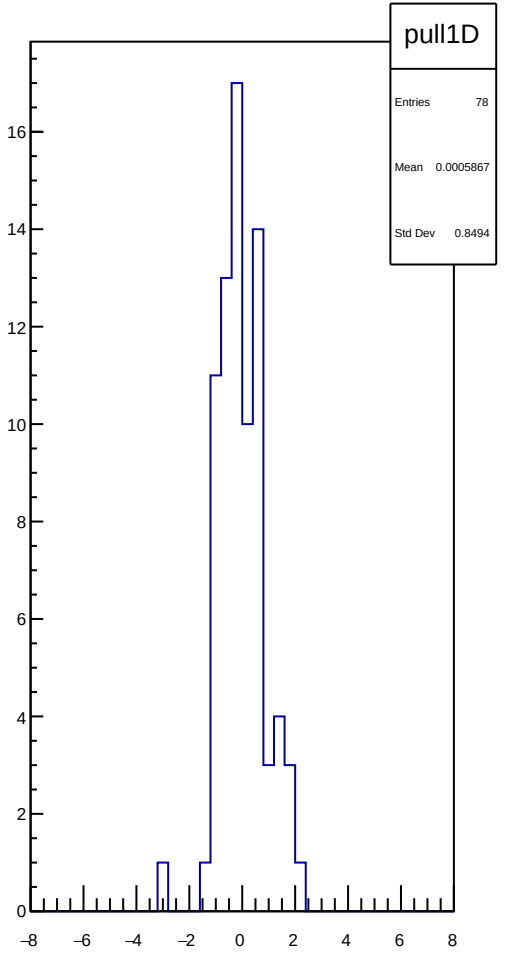

asym_usl_rms vs run
χ² / ndf 583.4 / 77
p0 1590 ± 1.27
1700
1680
1660
1640
1620
1600
1580
1560
1540
1520

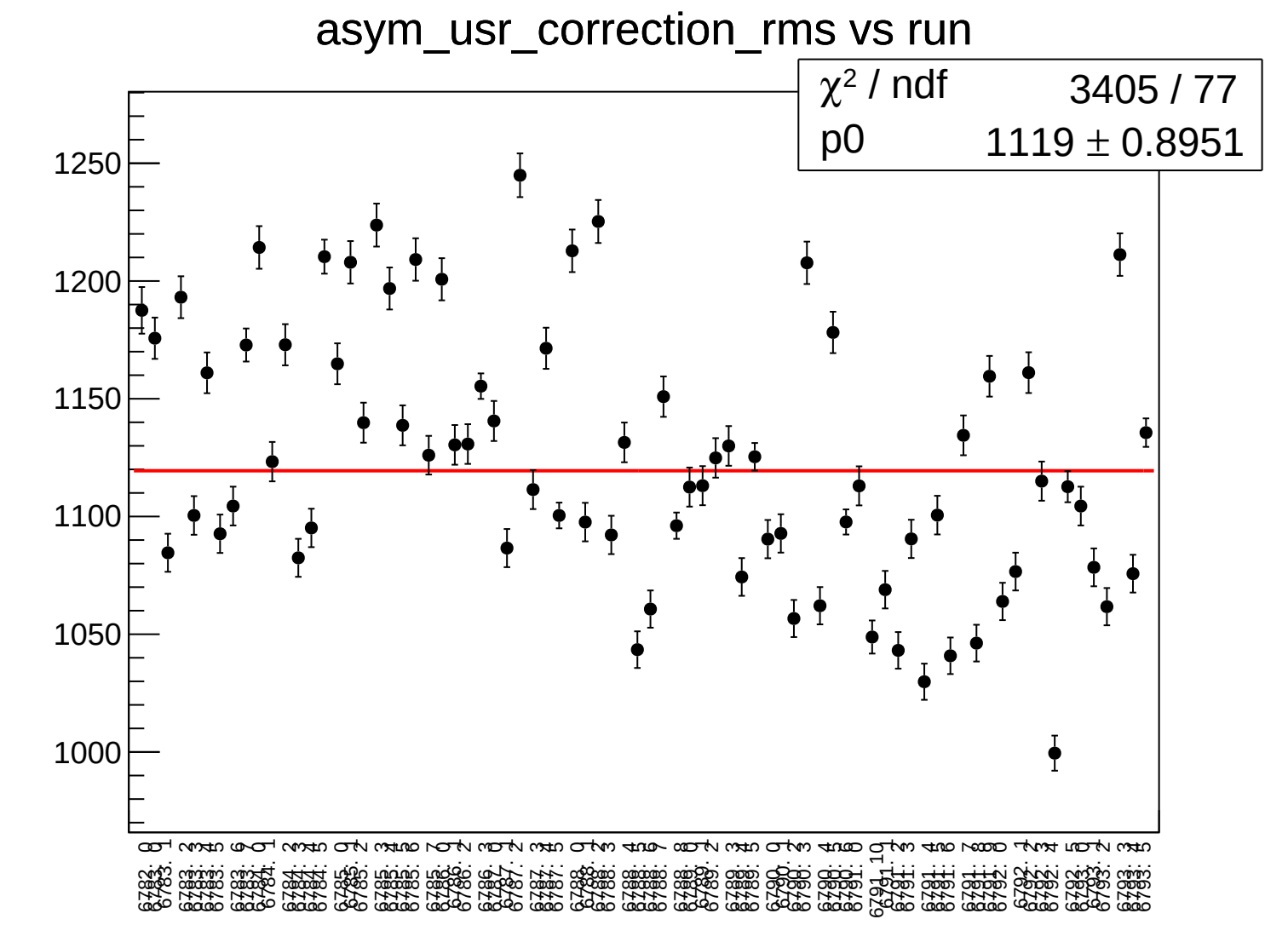

dit_asym_usr_mean vs run
χ² / ndf 80.03 / 77
p0 966.8 ± 1254
pull
Entries 78
Mean 321.2
Std Dev 278.5

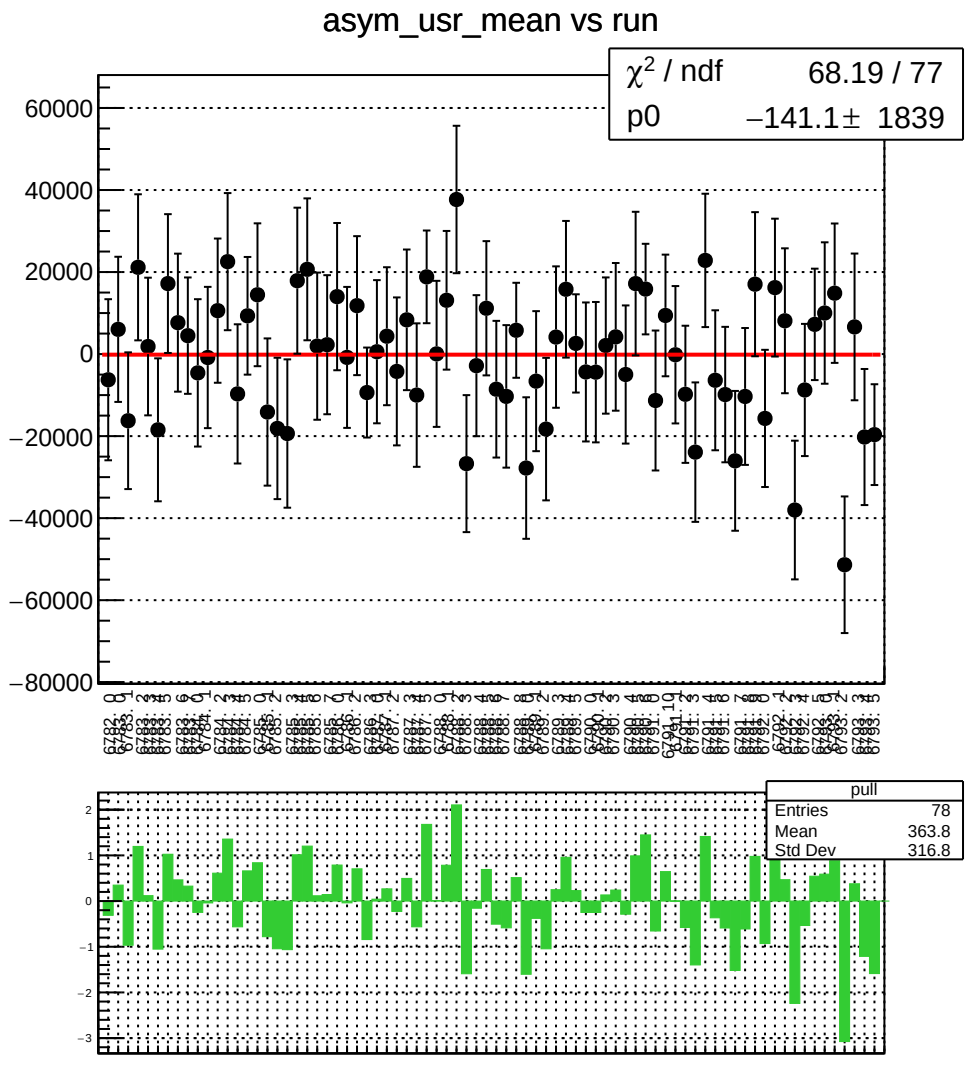

pull1D
Entries 78
Mean −0.0236
Std Dev 1.013

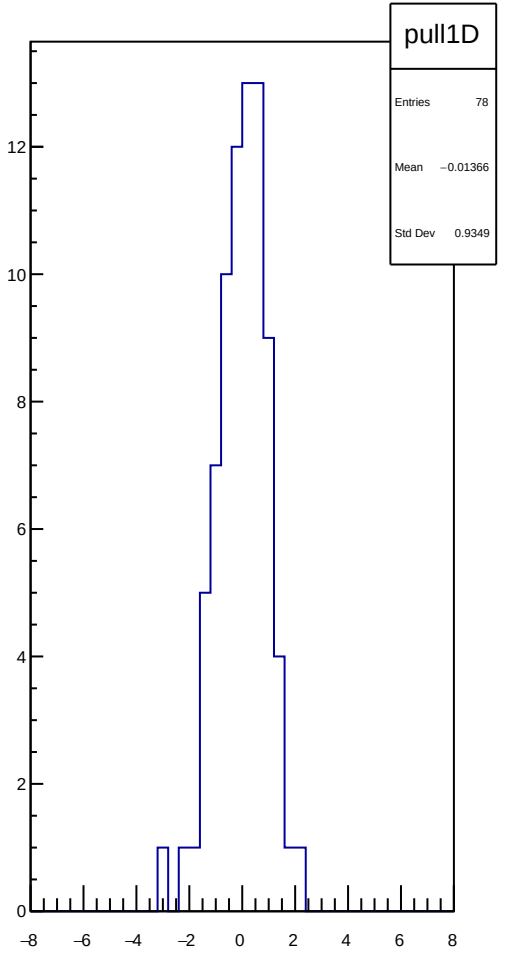

dit_asym_usr_rms vs run
χ² / ndf 105.4 / 77
p0 1110 ± 0.887
1150
1140
1130
1120
1110
1100
1090
1080
1070

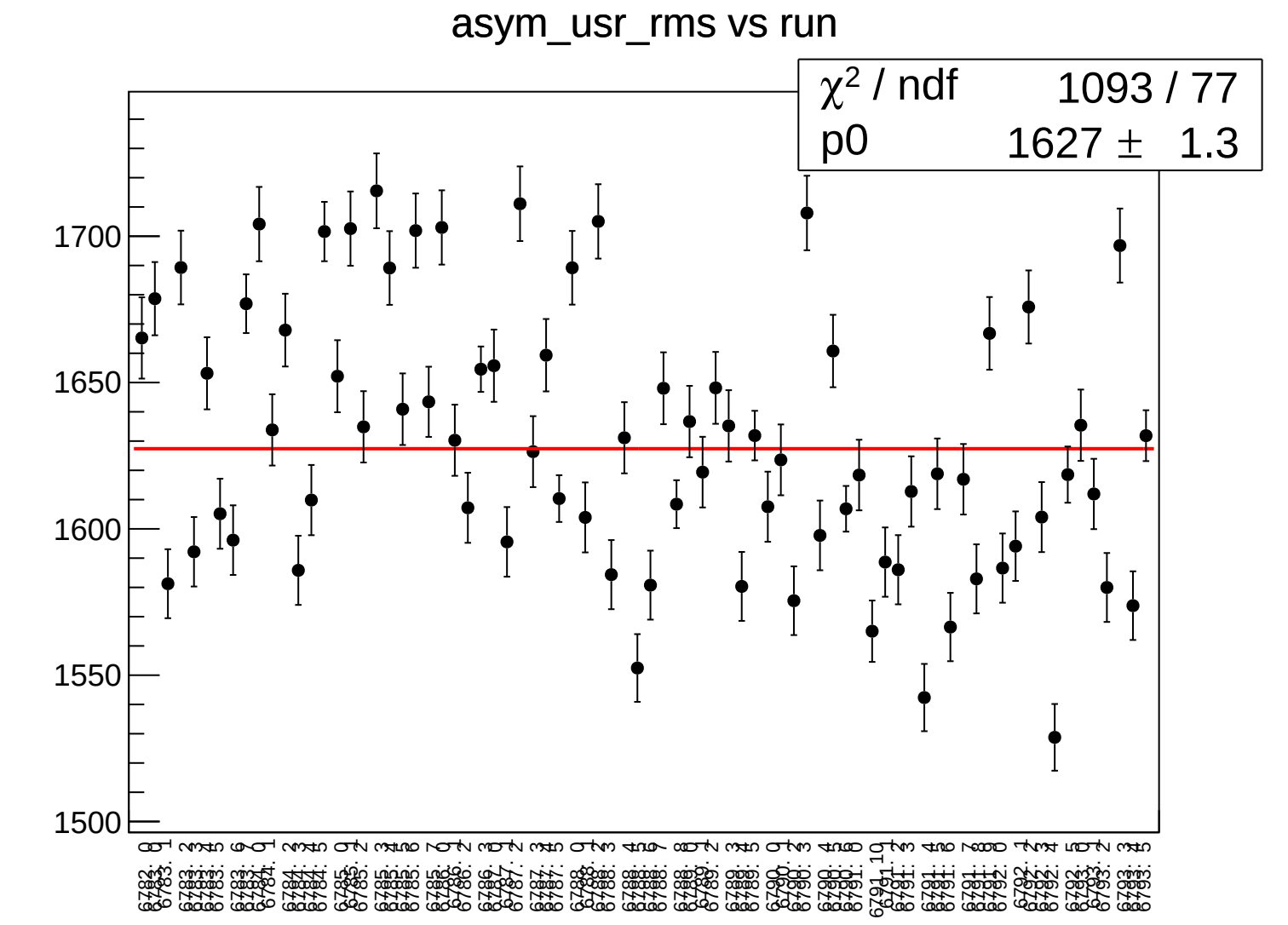

asym_usr_correction_mean vs run
χ² / ndf 56.27 / 77
p0 1008 ± 1266
pull
Entries 78
Mean −259.5
Std Dev 34.86

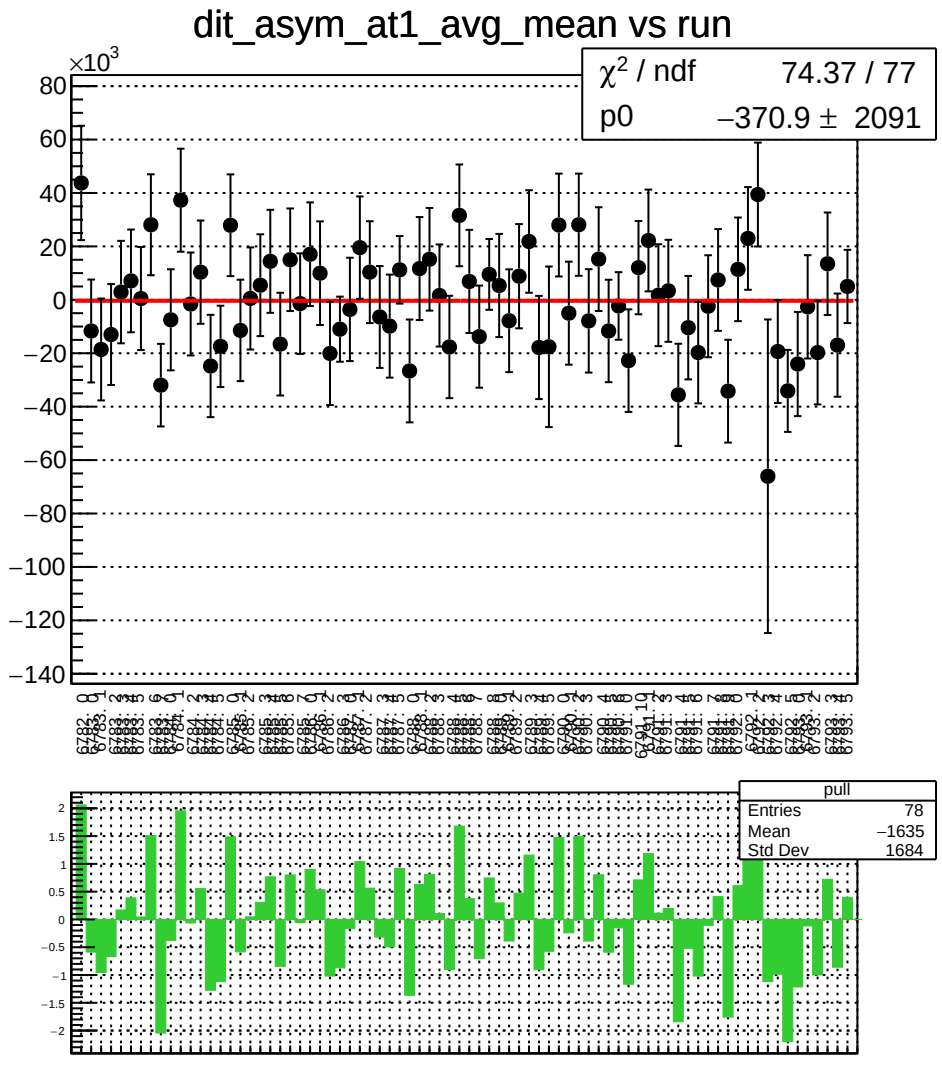

pull1D
Entries 78
Mean 0.0005867
Std Dev 0.8494

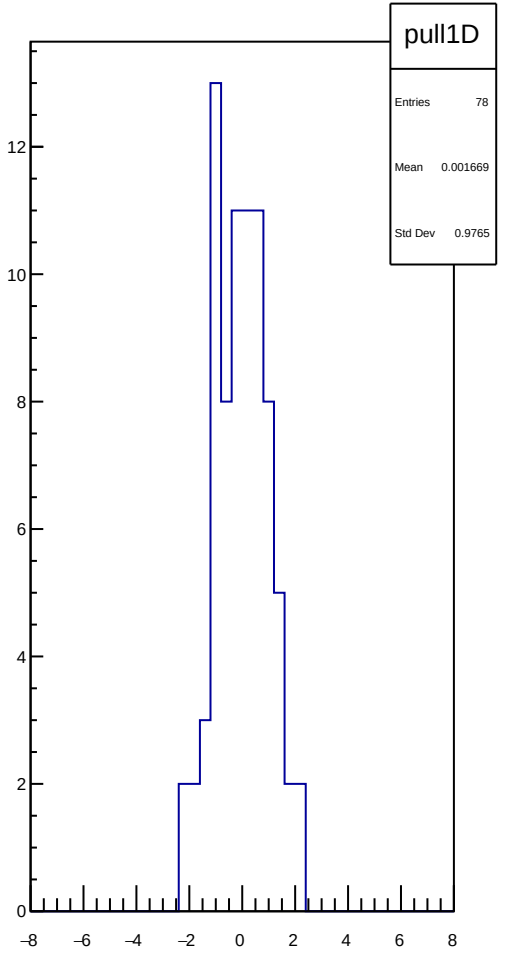

asym_usr_correction_rms vs run
χ² / ndf 3405 / 77
p0 1119 ± 0.8951
1250
1200
1150
1100
1050
1000

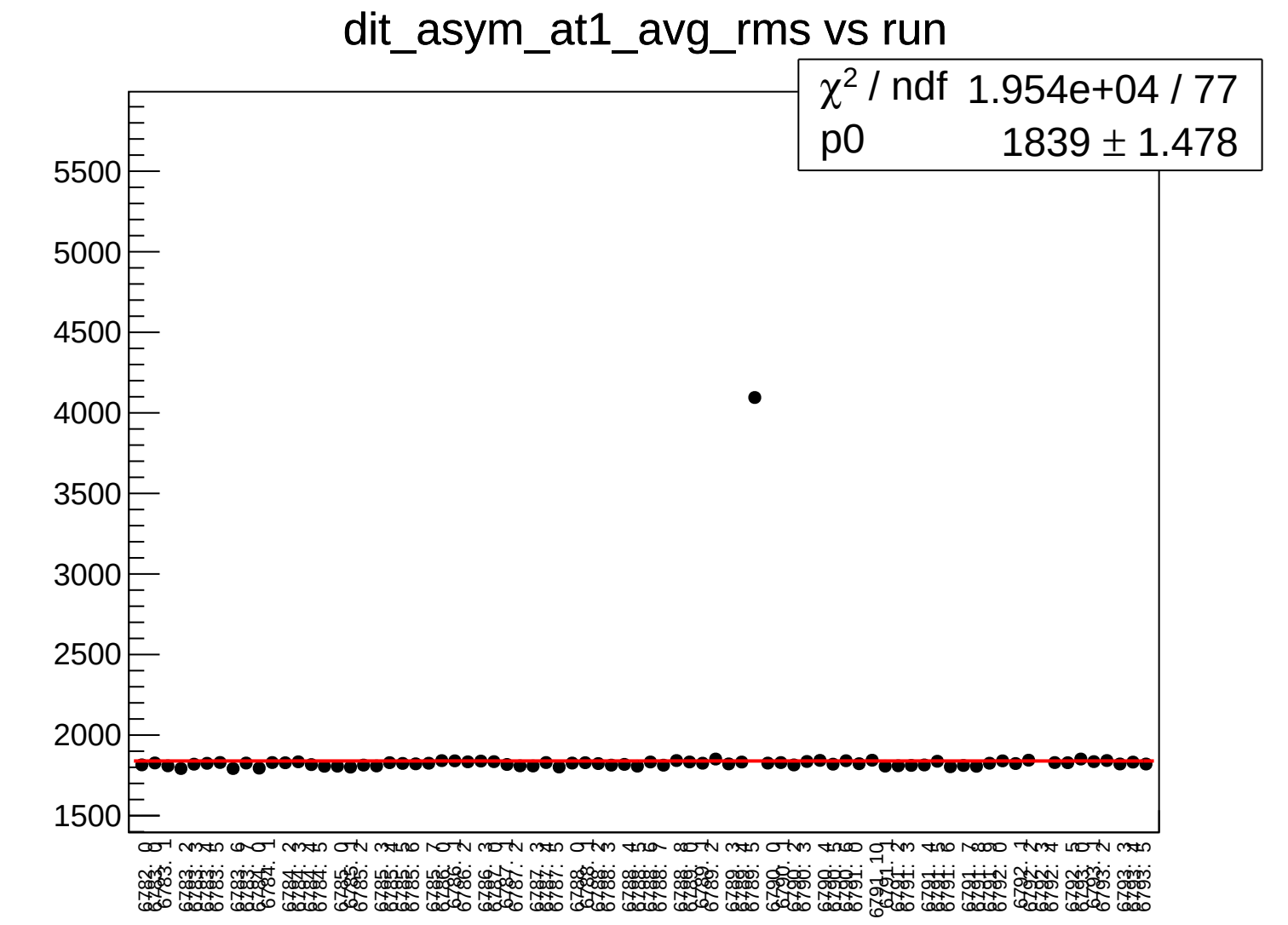

asym_usr_mean vs run
χ² / ndf 68.19 / 77
p0 −141.1± 1839
pull
Entries 78
Mean 363.8
Std Dev 316.8

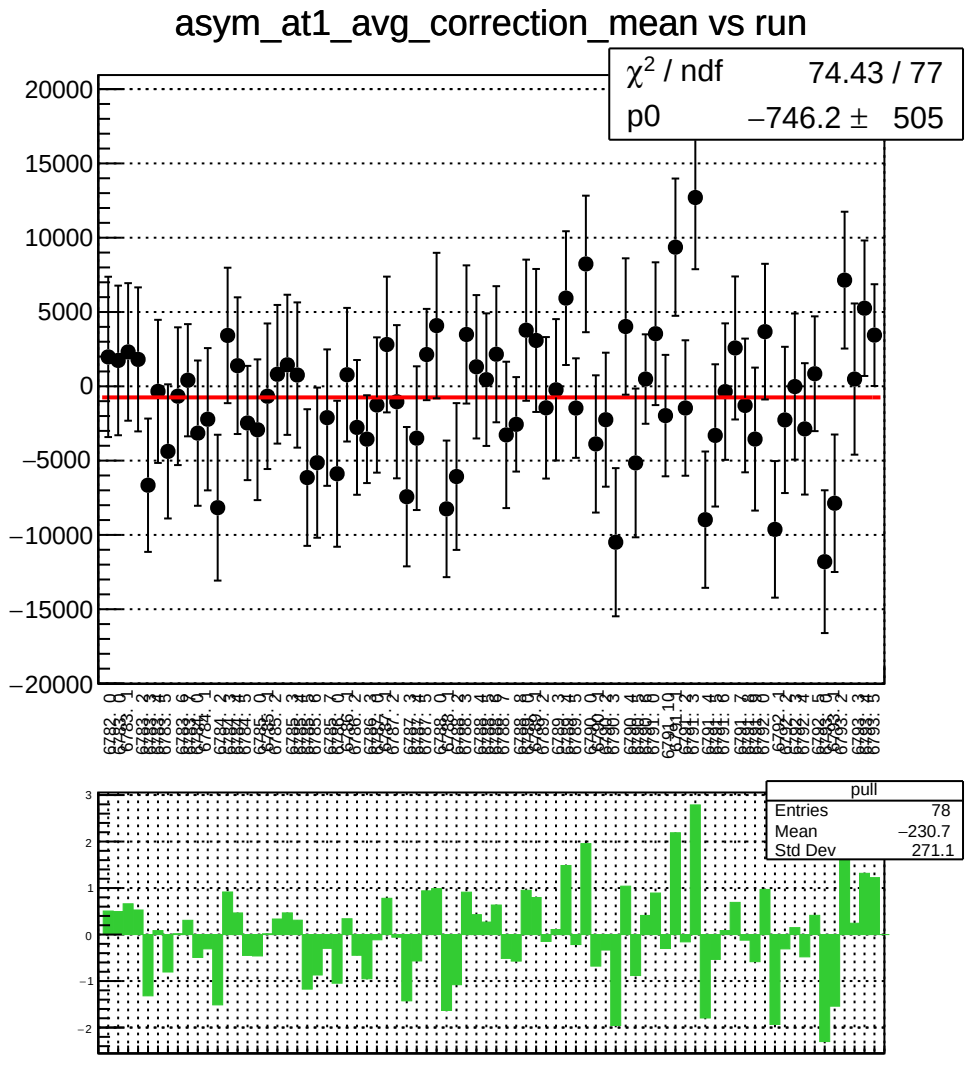

pull1D
Entries 78
Mean −0.01366
Std Dev 0.9349

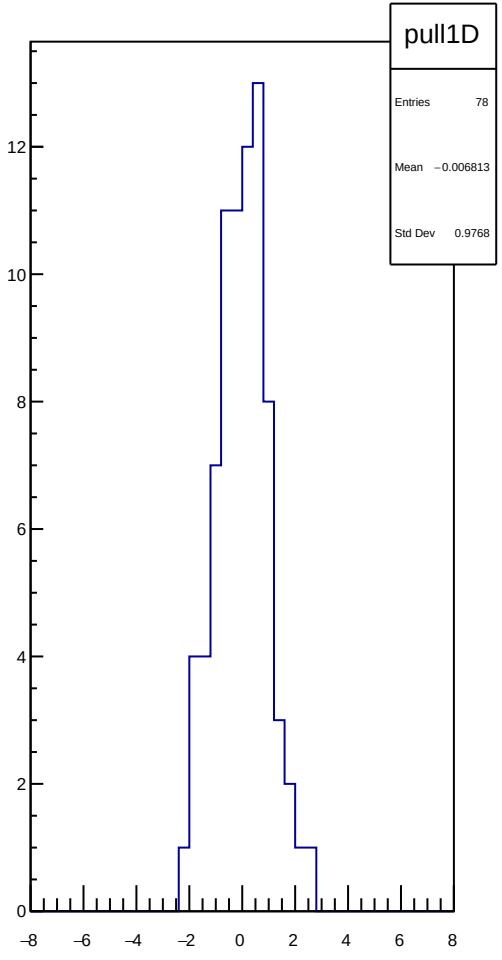

asym_usr_rms vs run
χ² / ndf 1093 / 77
p0 1627 ± 1.3
1700
1650
1600
1550
1500

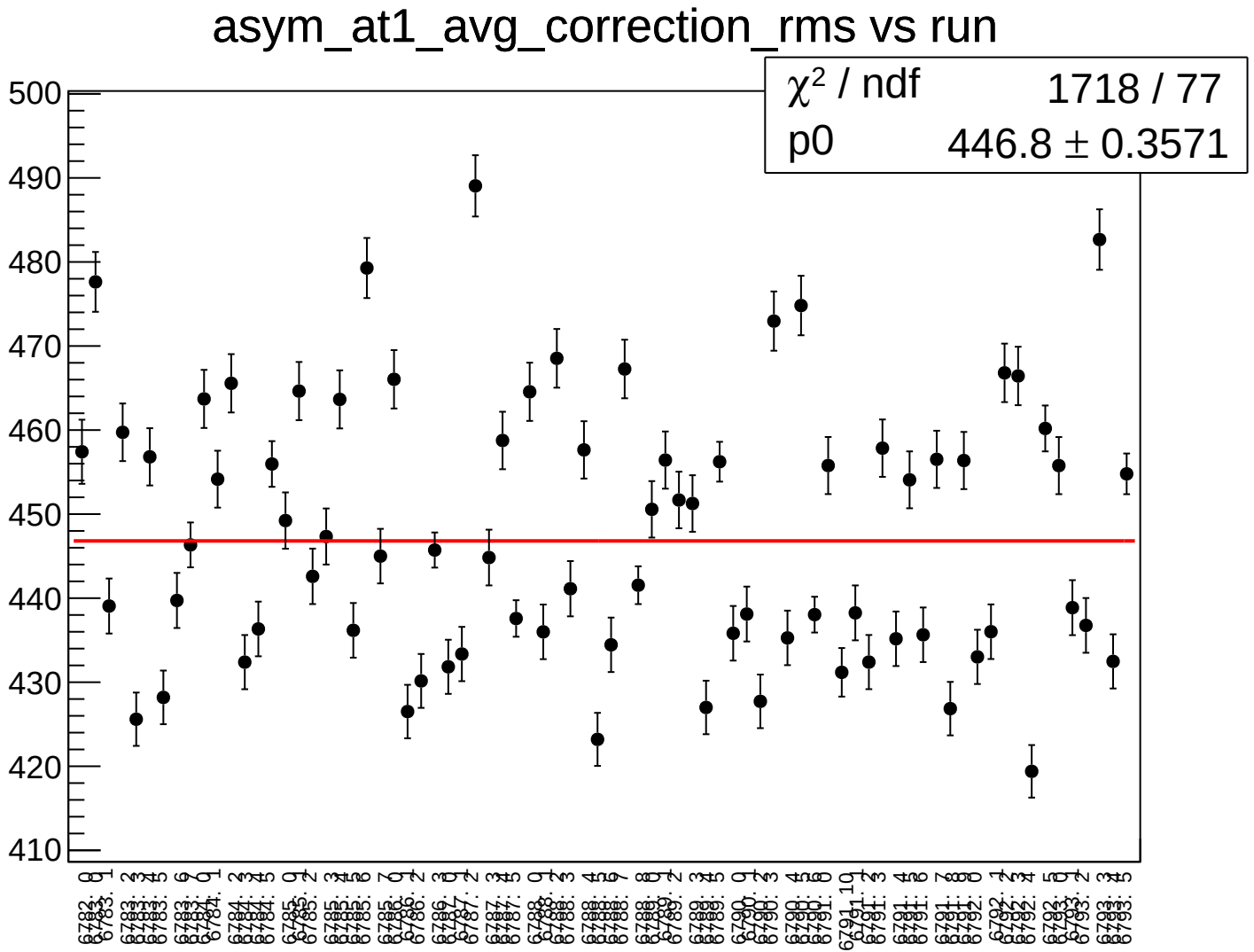

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 74.37 / 77
p0 −370.9 ± 2091
pull
Entries 78
Mean −1635
Std Dev 1684

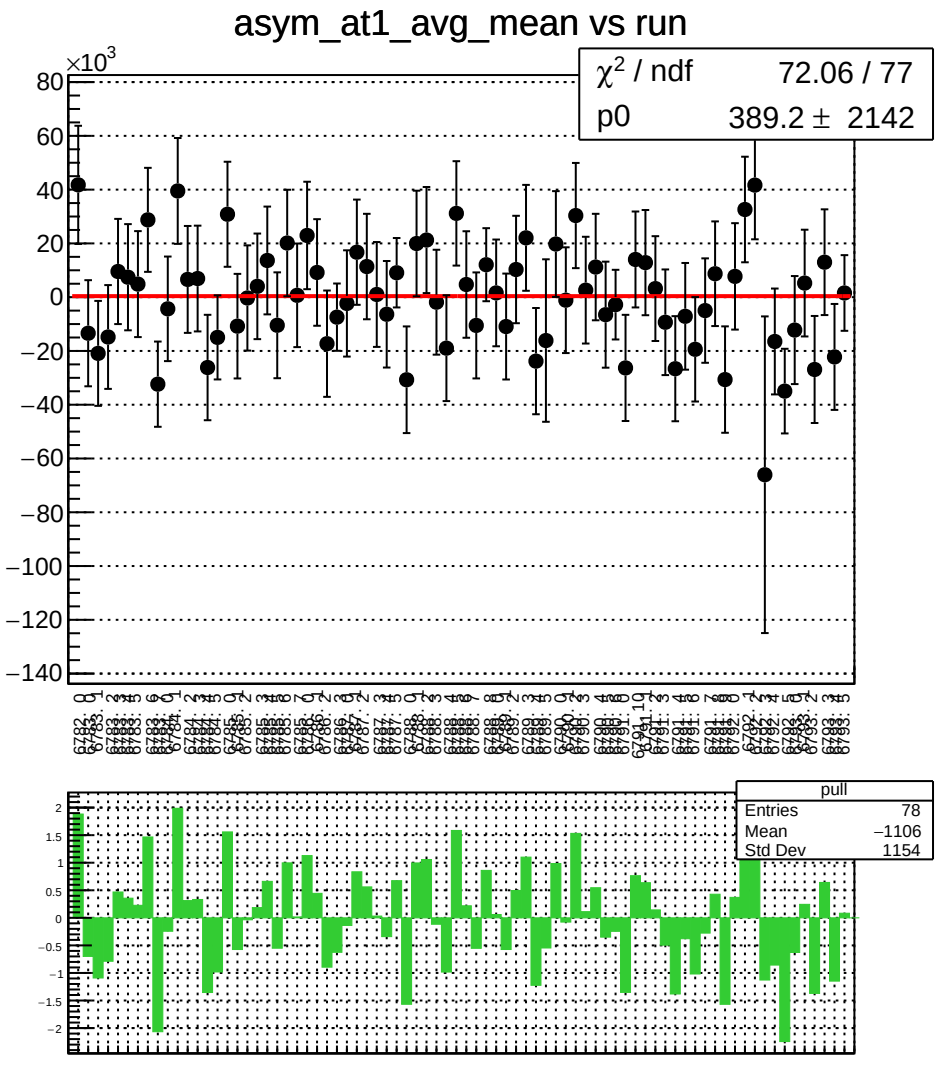

pull1D
Entries 78
Mean 0.001669
Std Dev 0.9765

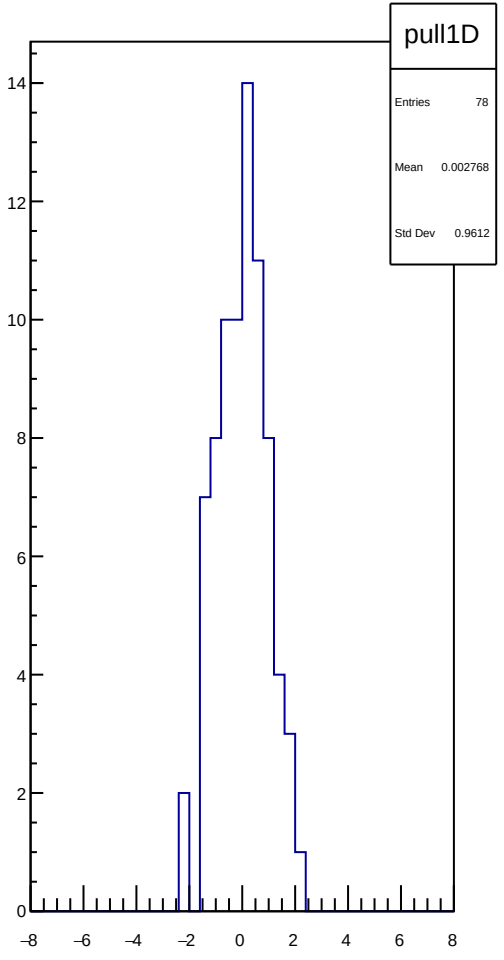

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.954e+04 / 77
p0 1839 ± 1.478
5500
5000
4500
4000
3500
3000
2500
2000
1500

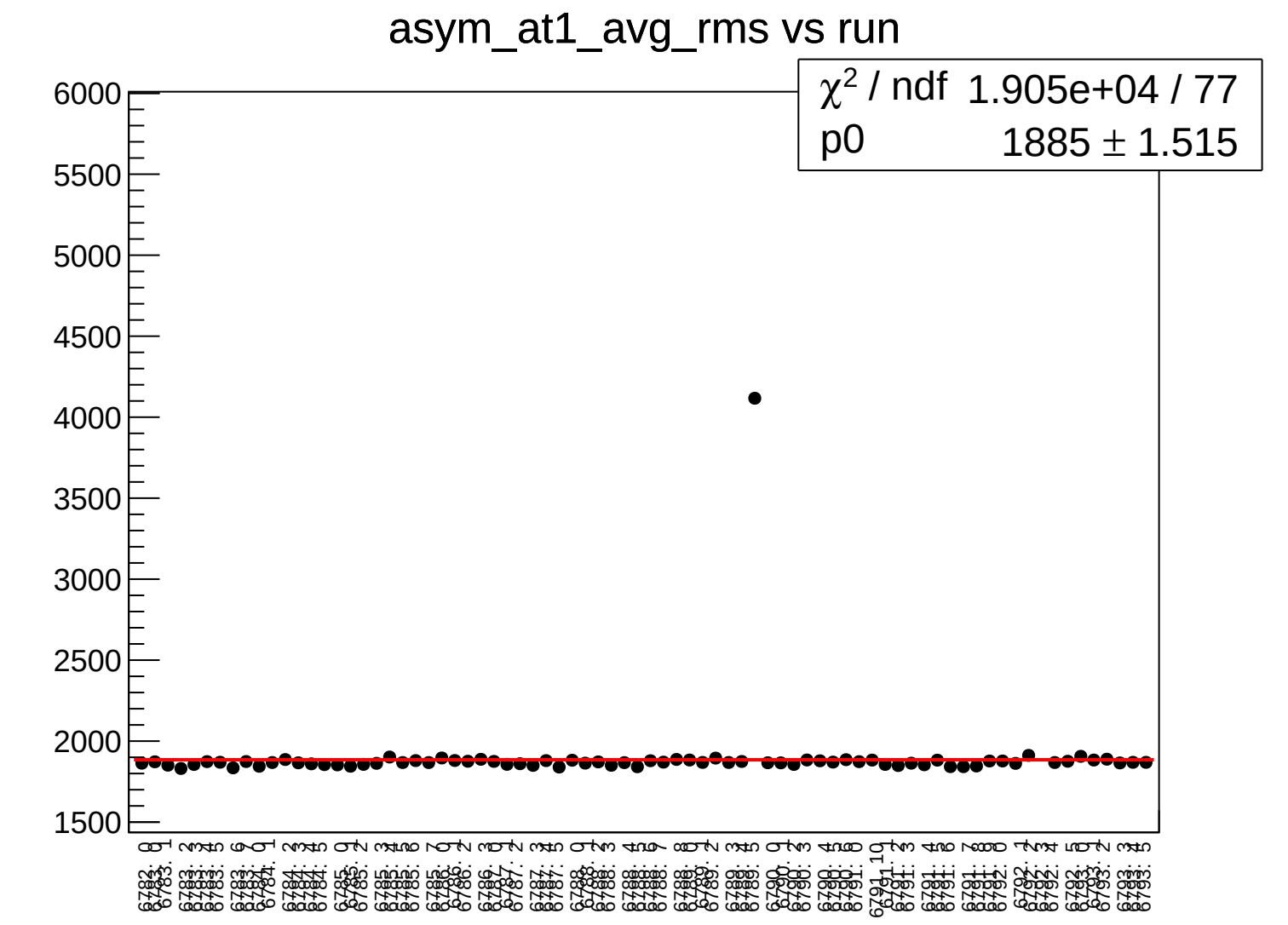

asym_at1_avg_correction_mean vs run
χ² / ndf 74.43 / 77
p0 −746.2 ± 505
pull
Entries 78
Mean −230.7
Std Dev 271.1

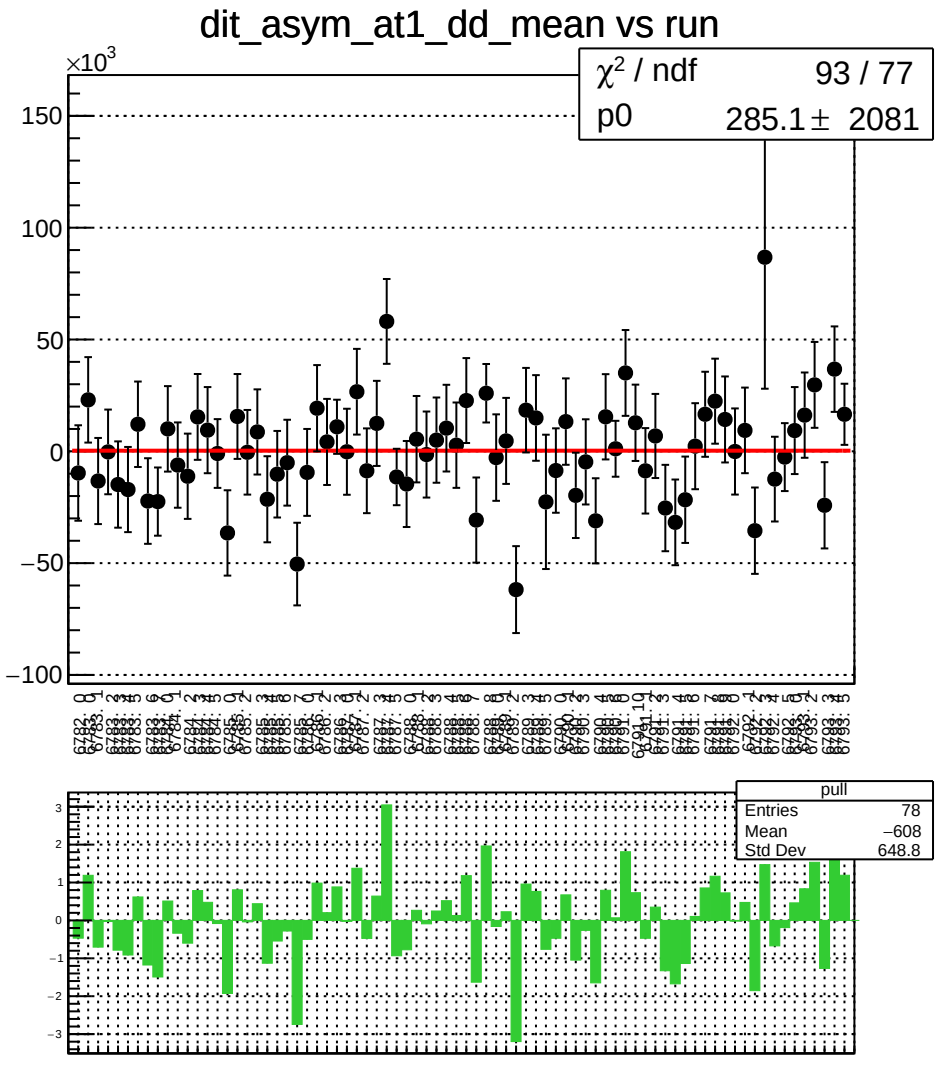

pull1D
Entries 78
Mean −0.006813
Std Dev 0.9768

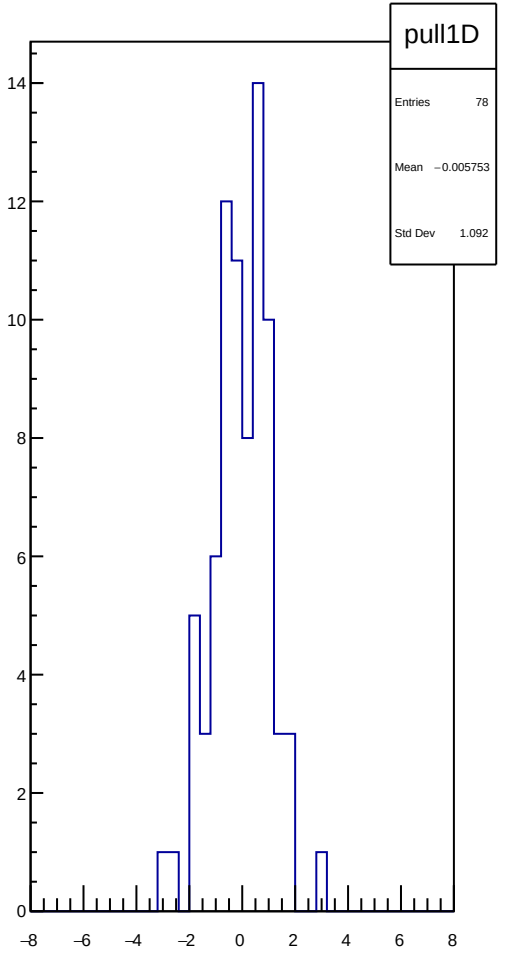

asym_at1_avg_correction_rms vs run
χ² / ndf 1718 / 77
p0 446.8 ± 0.3571
500
490
480
470
460
450
440
430
420
410

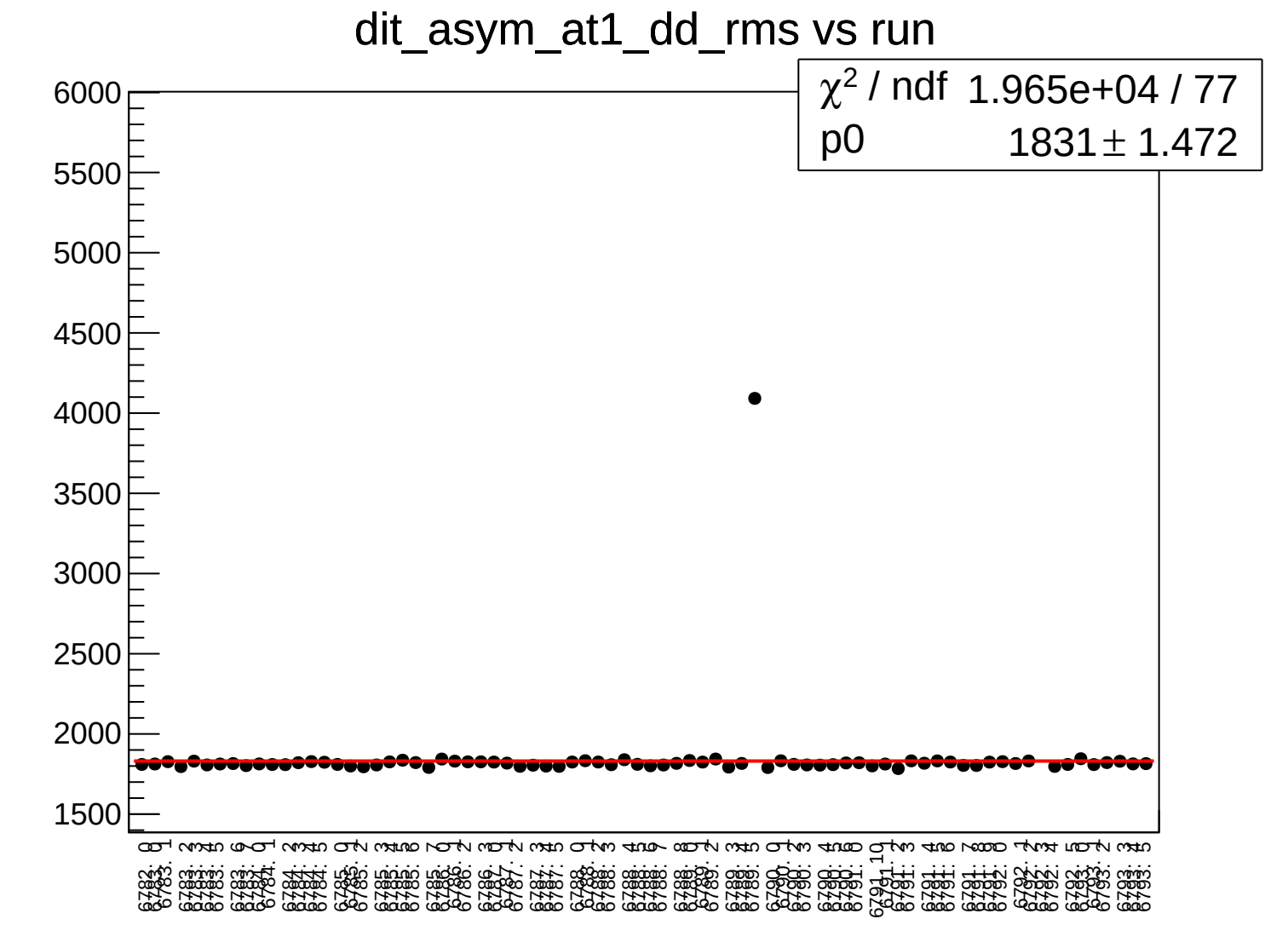

asym_at1_avg_mean vs run
χ² / ndf 72.06 / 77
p0 389.2 ± 2142
×10³
pull
Entries 78
Mean −1106
Std Dev 1154

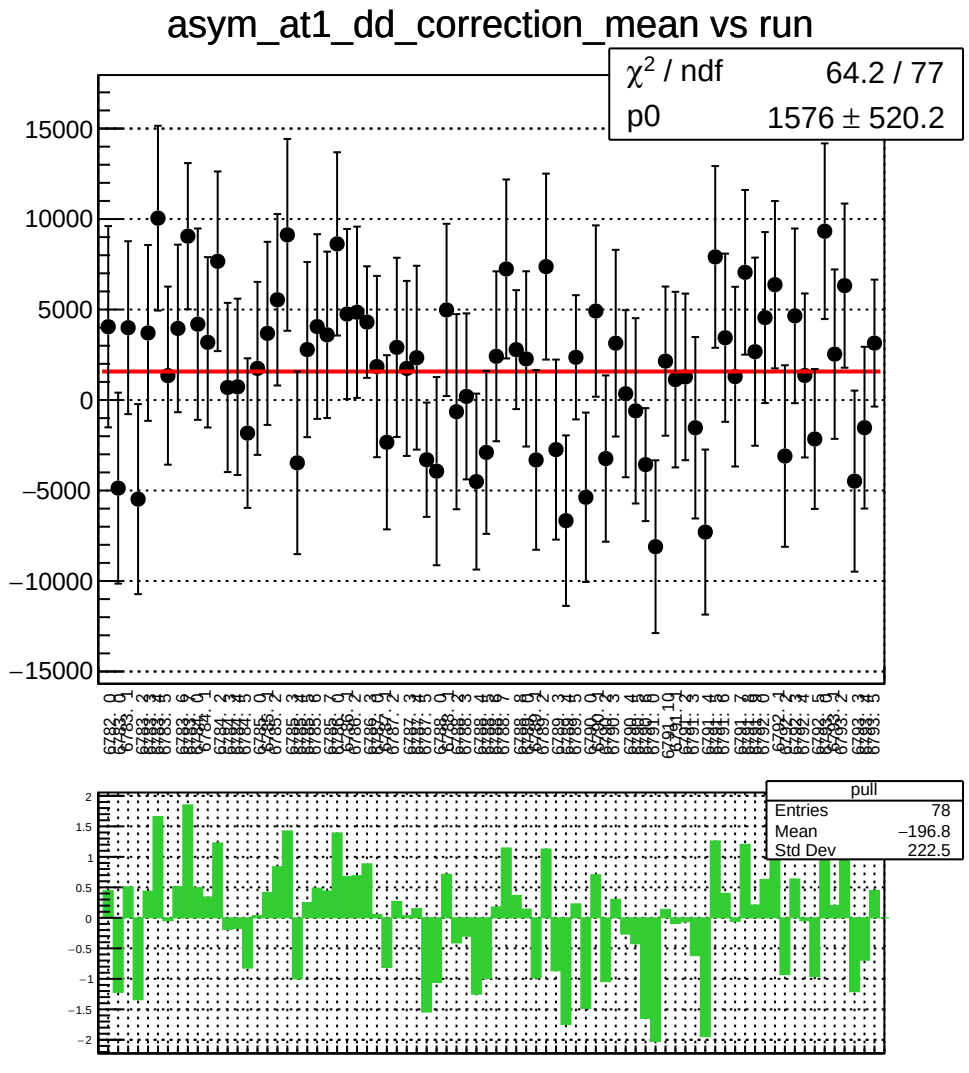

pull1D
Entries 78
Mean 0.002768
Std Dev 0.9612

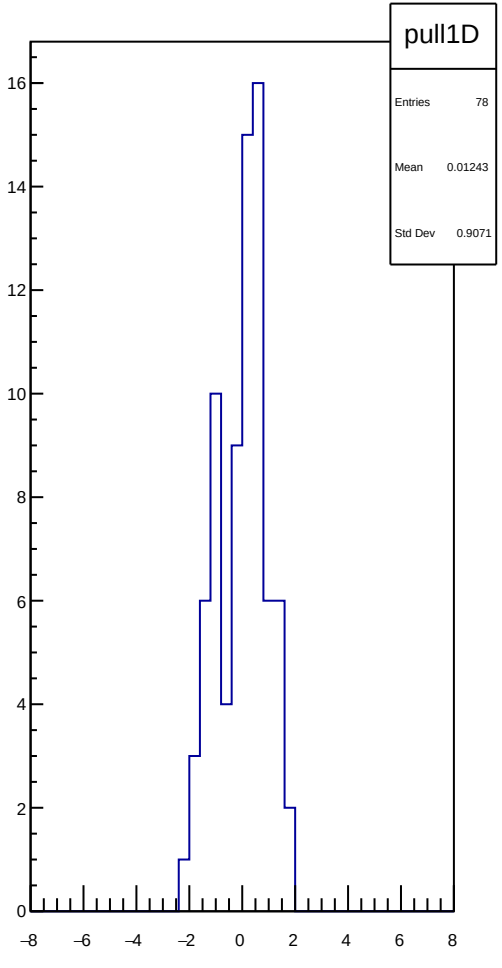

asym_at1_avg_rms vs run
χ^2 / ndf 1.905e+04 / 77
p0 1885 ± 1.515
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

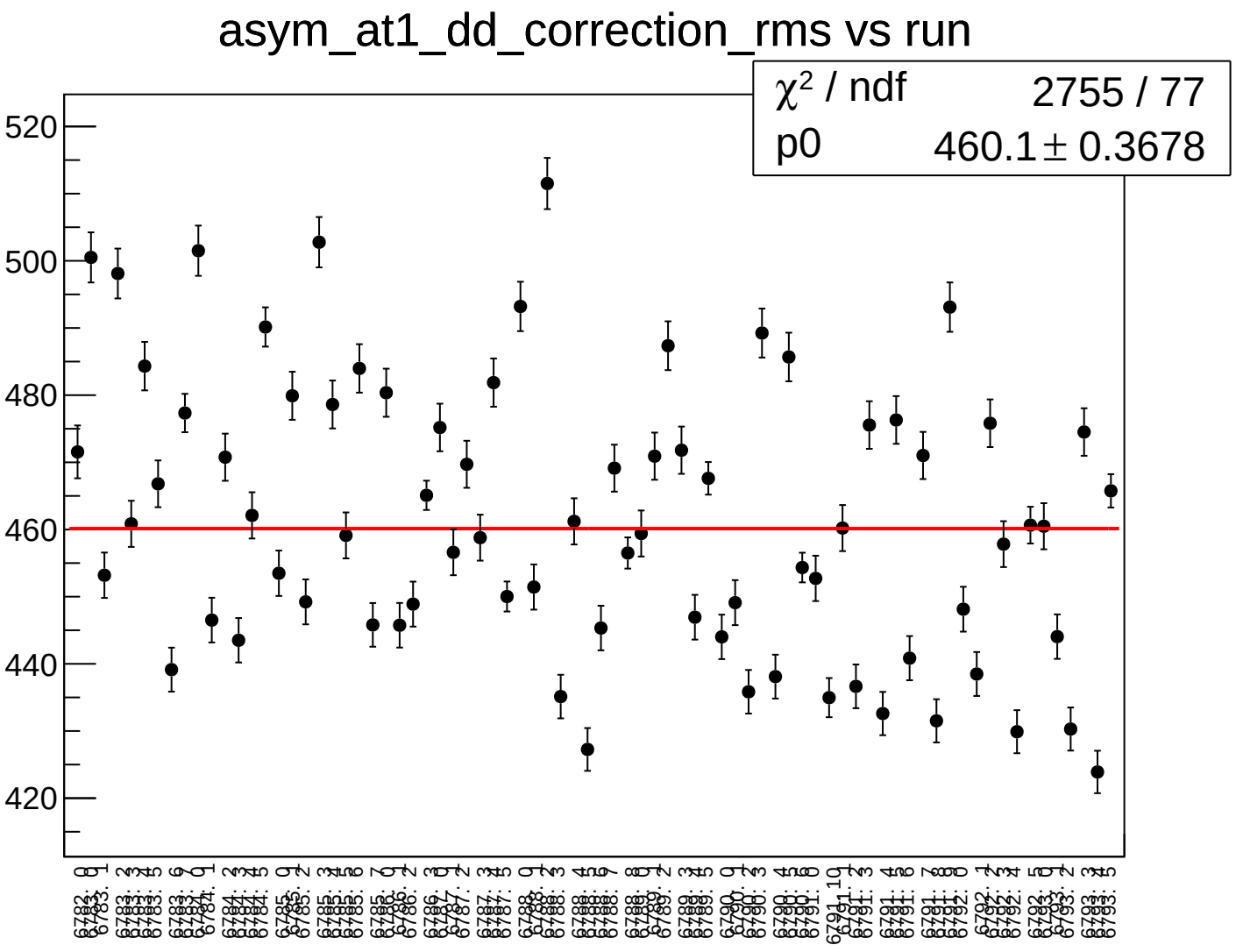

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 93 / 77
p0 285.1 ± 2081
150
100
50
0
−50
−100
pull
Entries 78
Mean −608
Std Dev 648.8
3
2
1
0
−1
−2
−3

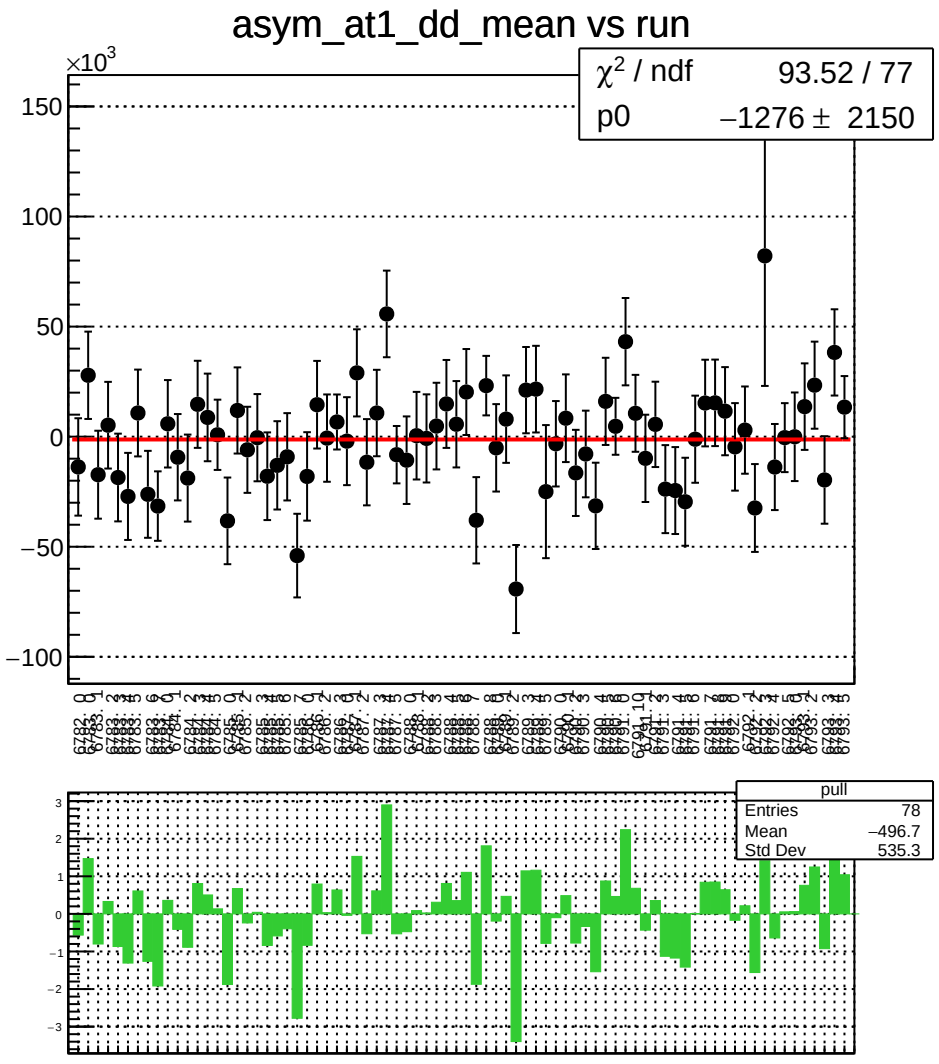

pull1D
Entries 78
Mean −0.005753
Std Dev 1.092
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

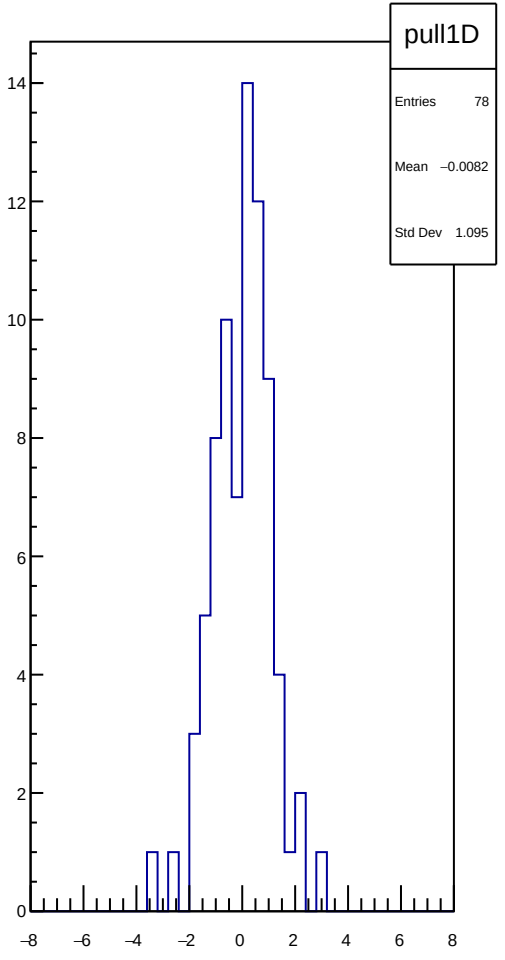

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.965e+04 / 77
p0 1831 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

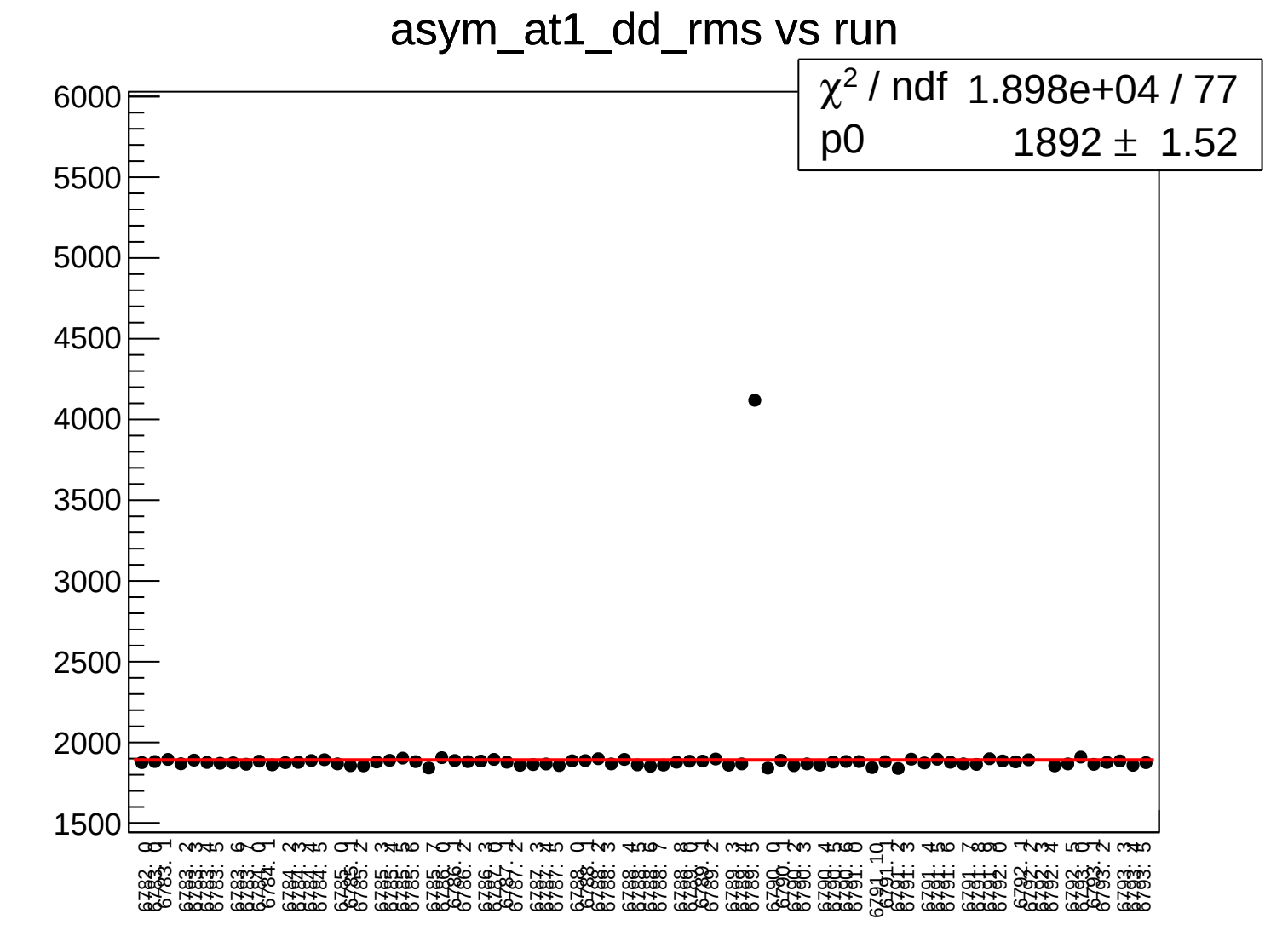

asym_at1_dd_correction_mean vs run
χ² / ndf 64.2 / 77
p0 1576 ± 520.2
pull
Entries 78
Mean −196.8
Std Dev 222.5

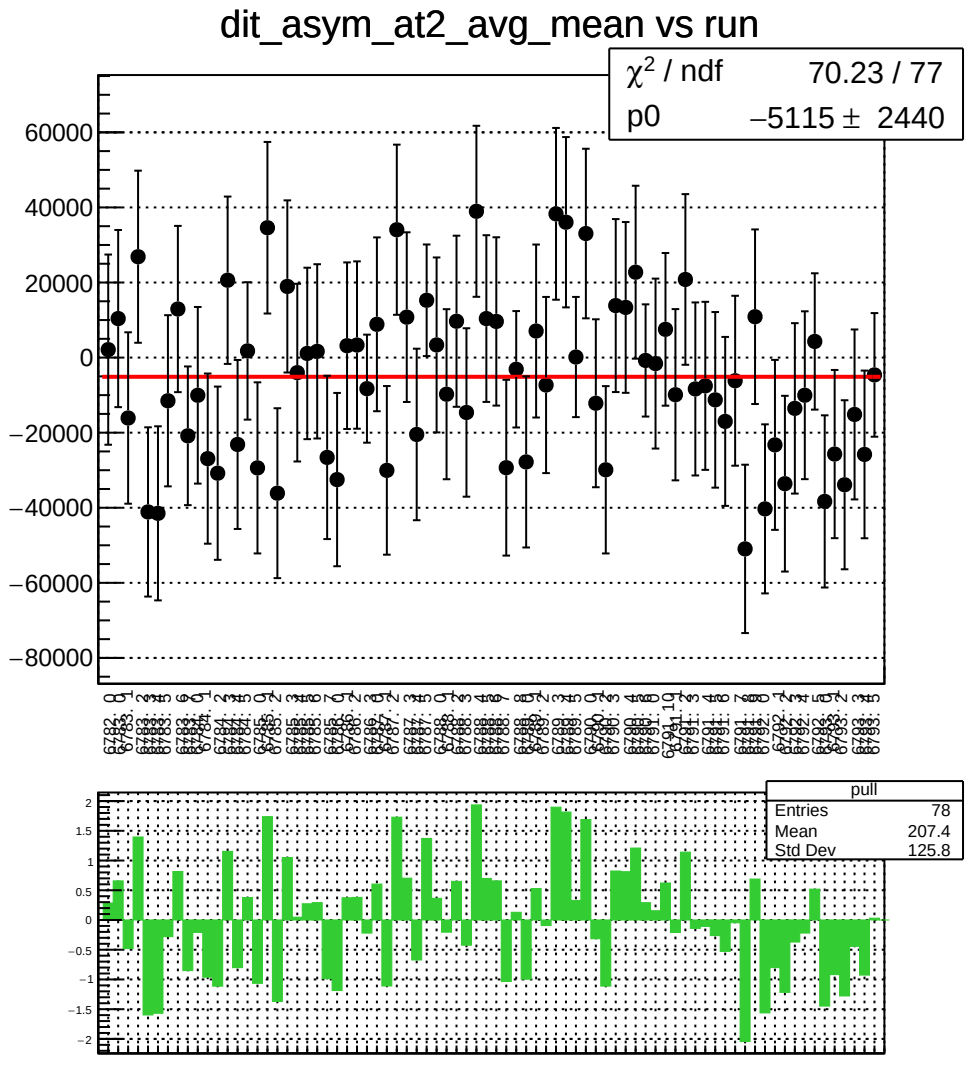

pull1D
Entries 78
Mean 0.01243
Std Dev 0.9071

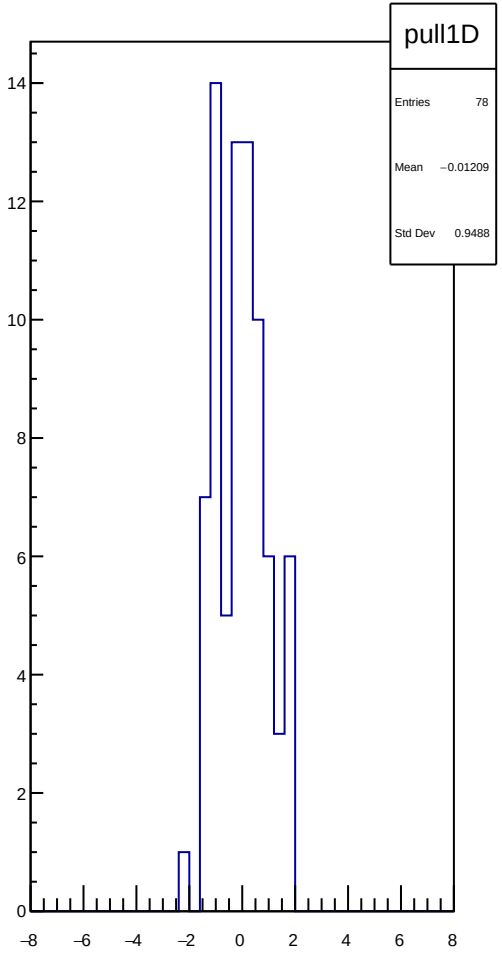

asym_at1_dd_correction_rms vs run
χ² / ndf 2755 / 77
p0 460.1 ± 0.3678
520
500
480
460
440
420

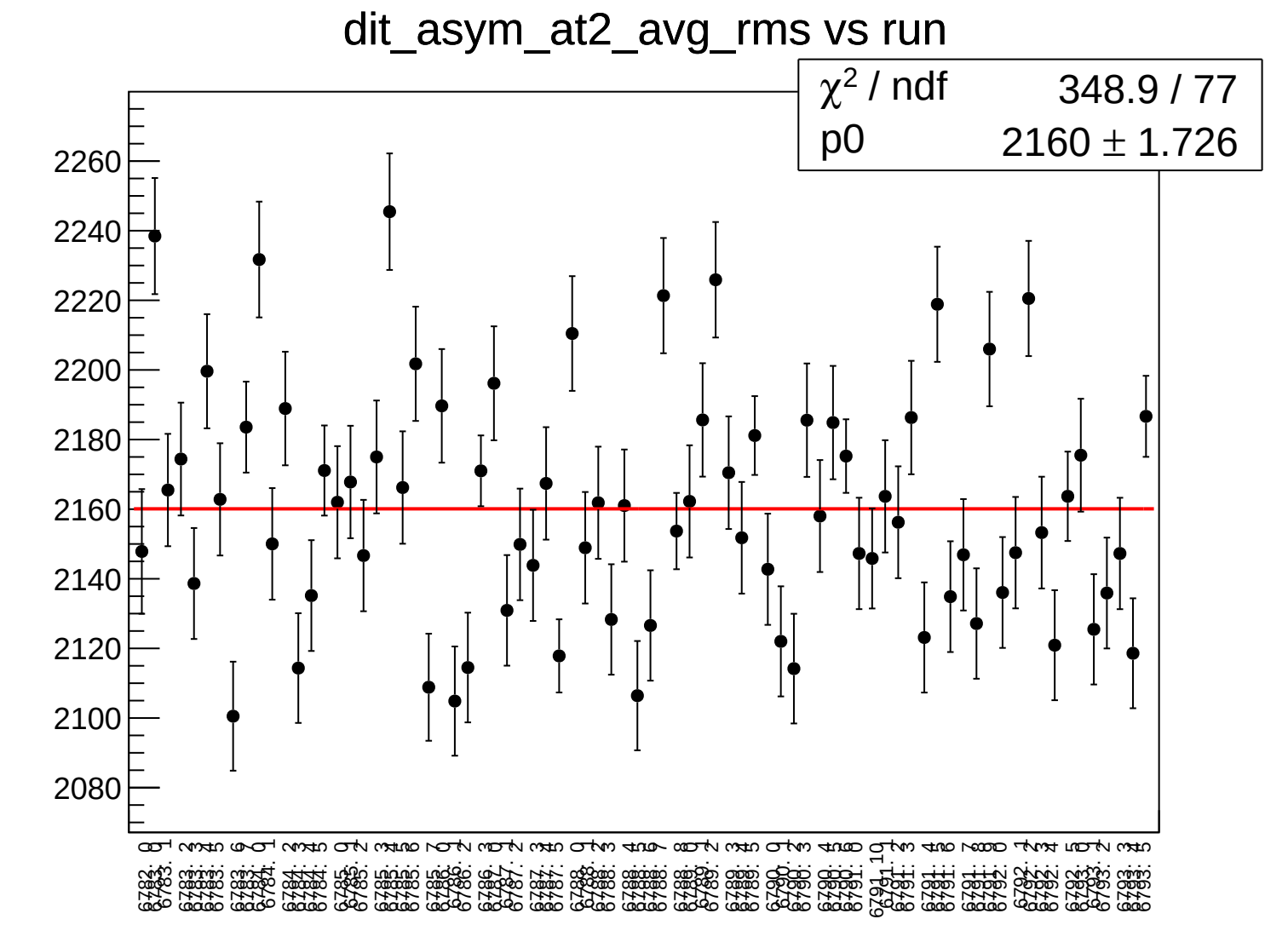

asym_at1_dd_mean vs run
×10^3
χ² / ndf 93.52 / 77
p0 −1276 ± 2150
150
100
50
0
−50
−100
pull
Entries 78
Mean −496.7
Std Dev 535.3
3
2
1
0
−1
−2
−3

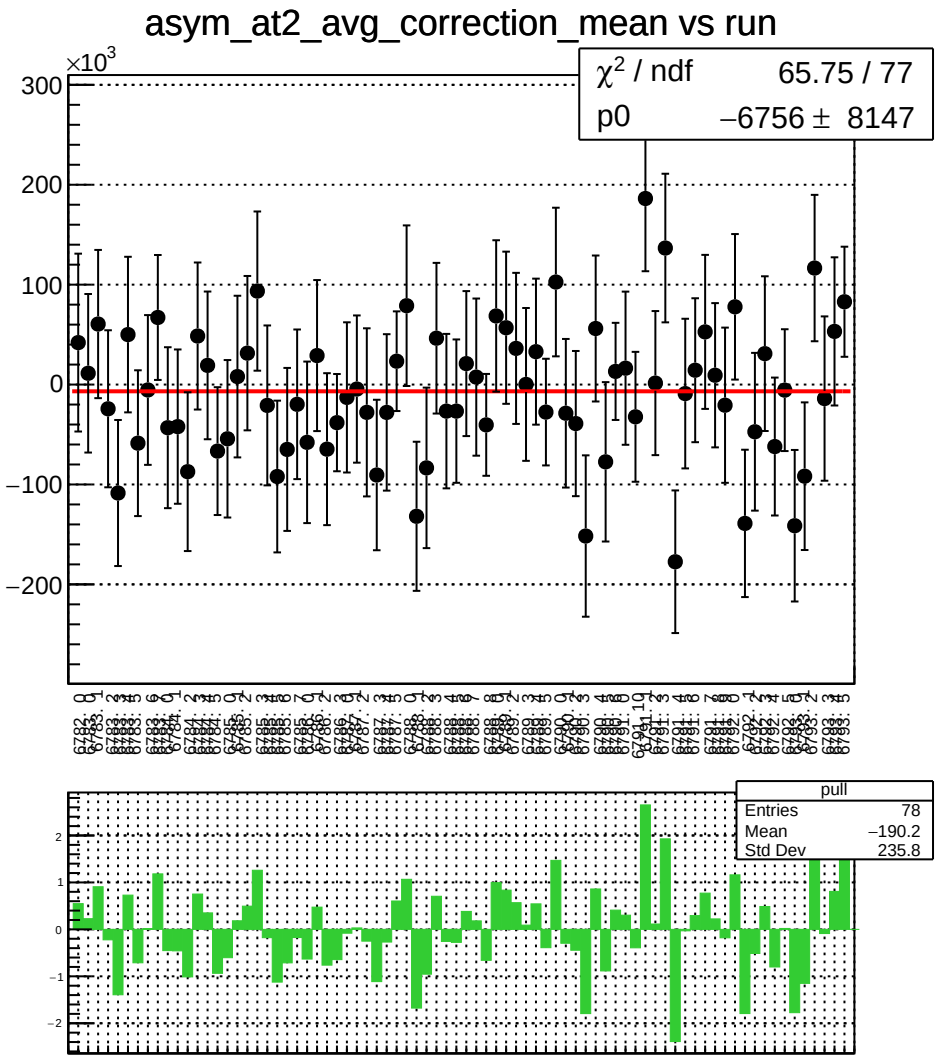

pull1D
Entries 78
Mean −0.0082
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

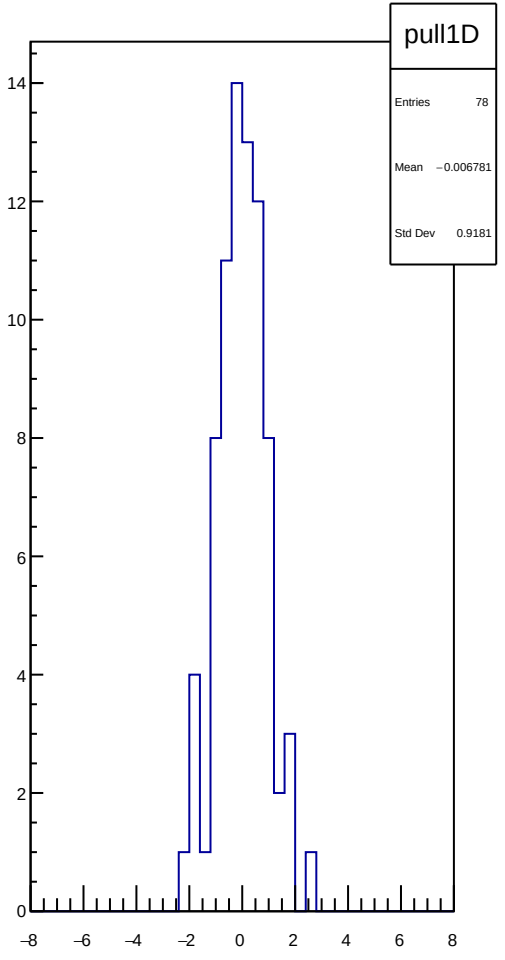

asym_at1_dd_rms vs run
χ² / ndf 1.898e+04 / 77
p0 1892 ± 1.52
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

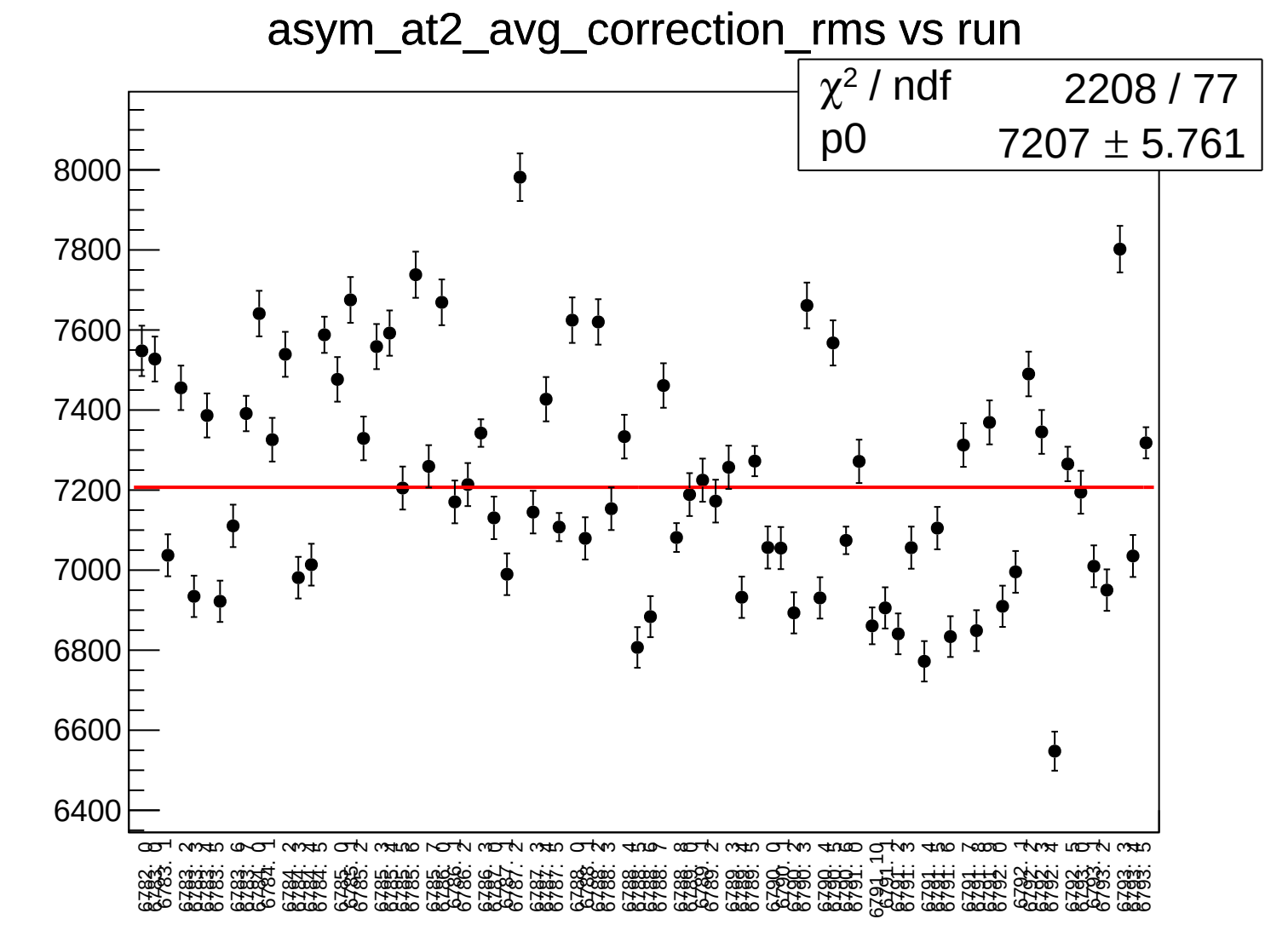

dit_asym_at2_avg_mean vs run
χ² / ndf 70.23 / 77
p0 −5115 ± 2440
pull
Entries 78
Mean 207.4
Std Dev 125.8

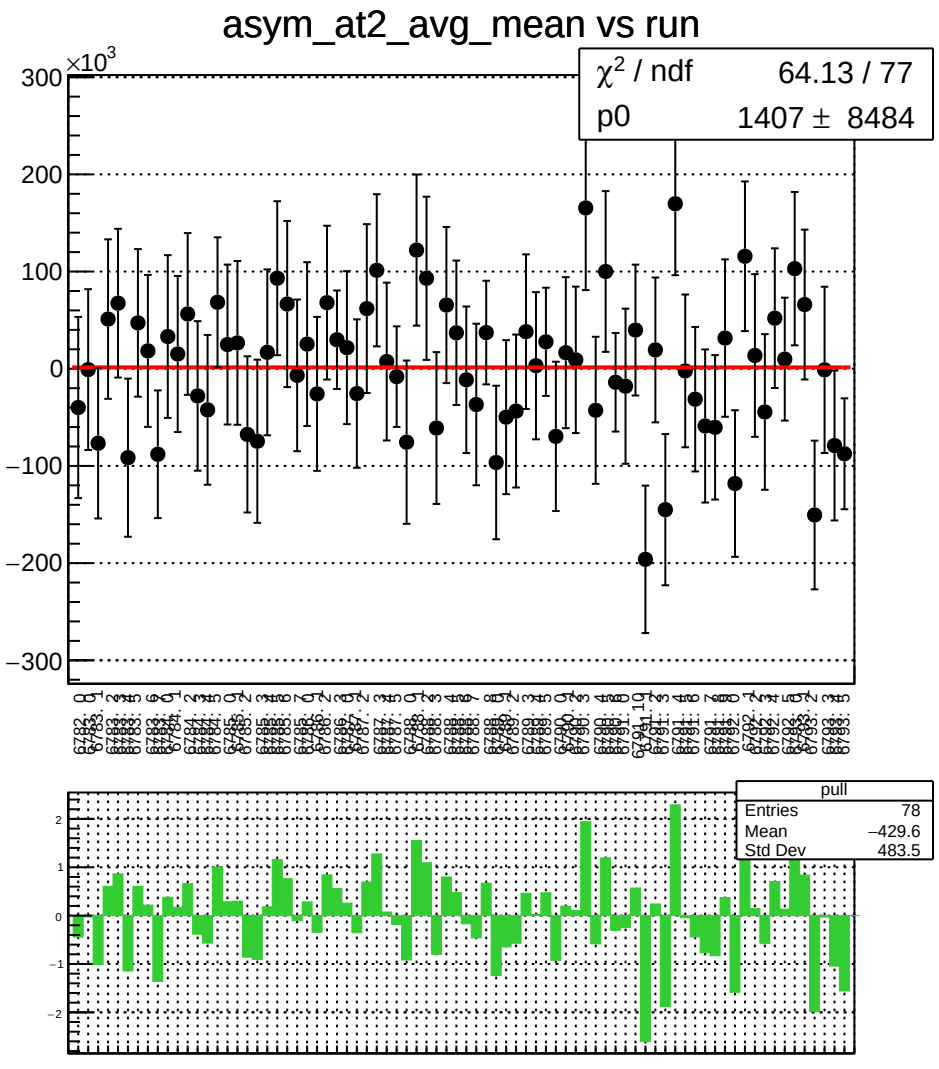

pull1D
Entries 78
Mean −0.01209
Std Dev 0.9488

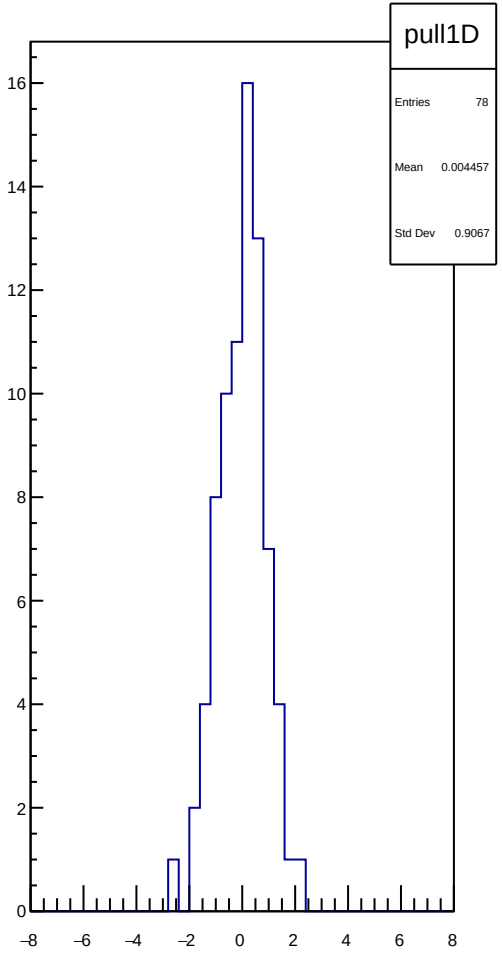

dit_asym_at2_avg_rms vs run
χ^2 / ndf 348.9 / 77
p0 2160 ± 1.726
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080

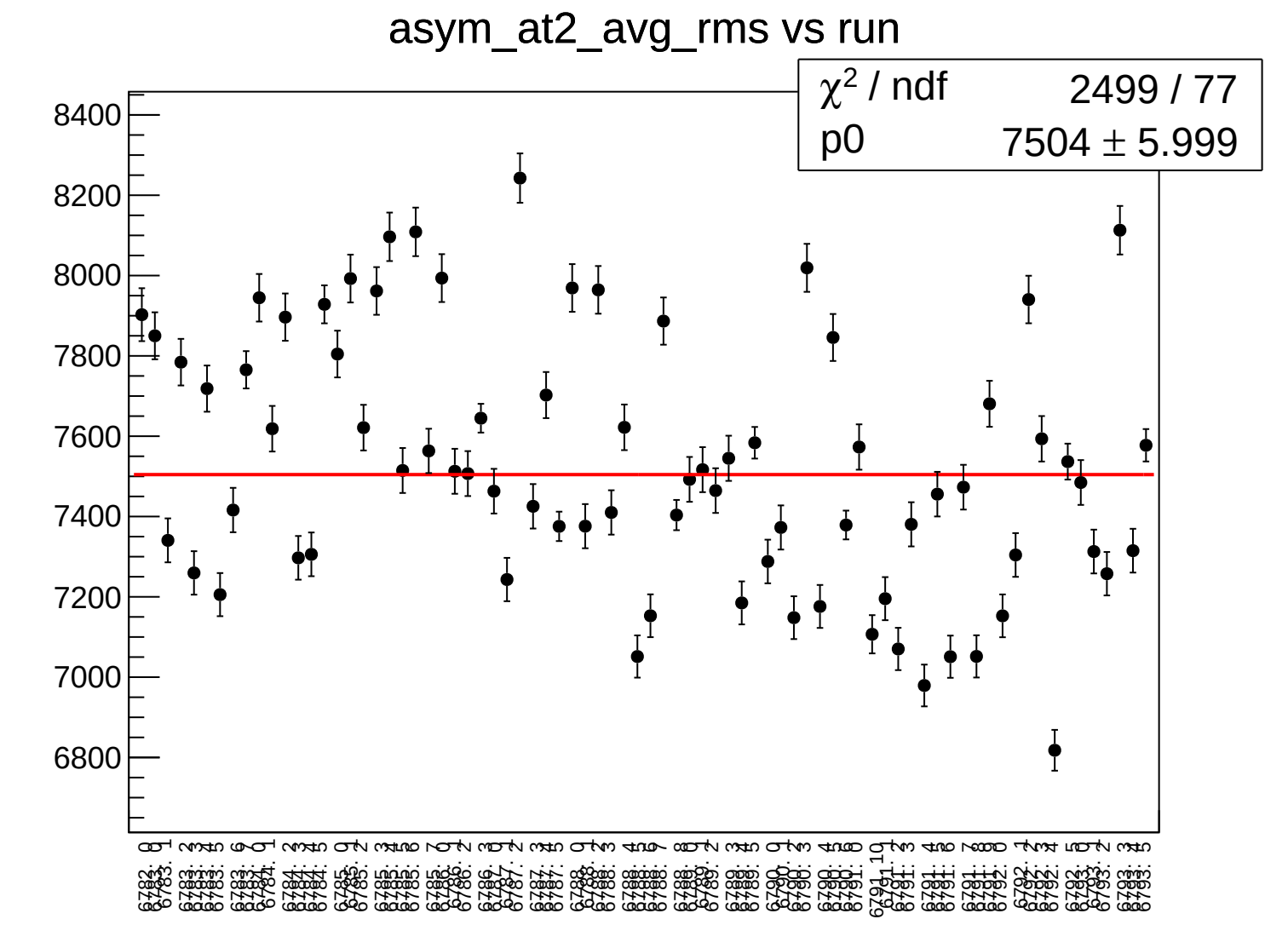

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 65.75 / 77
p0 −6756 ± 8147
pull
Entries 78
Mean −190.2
Std Dev 235.8

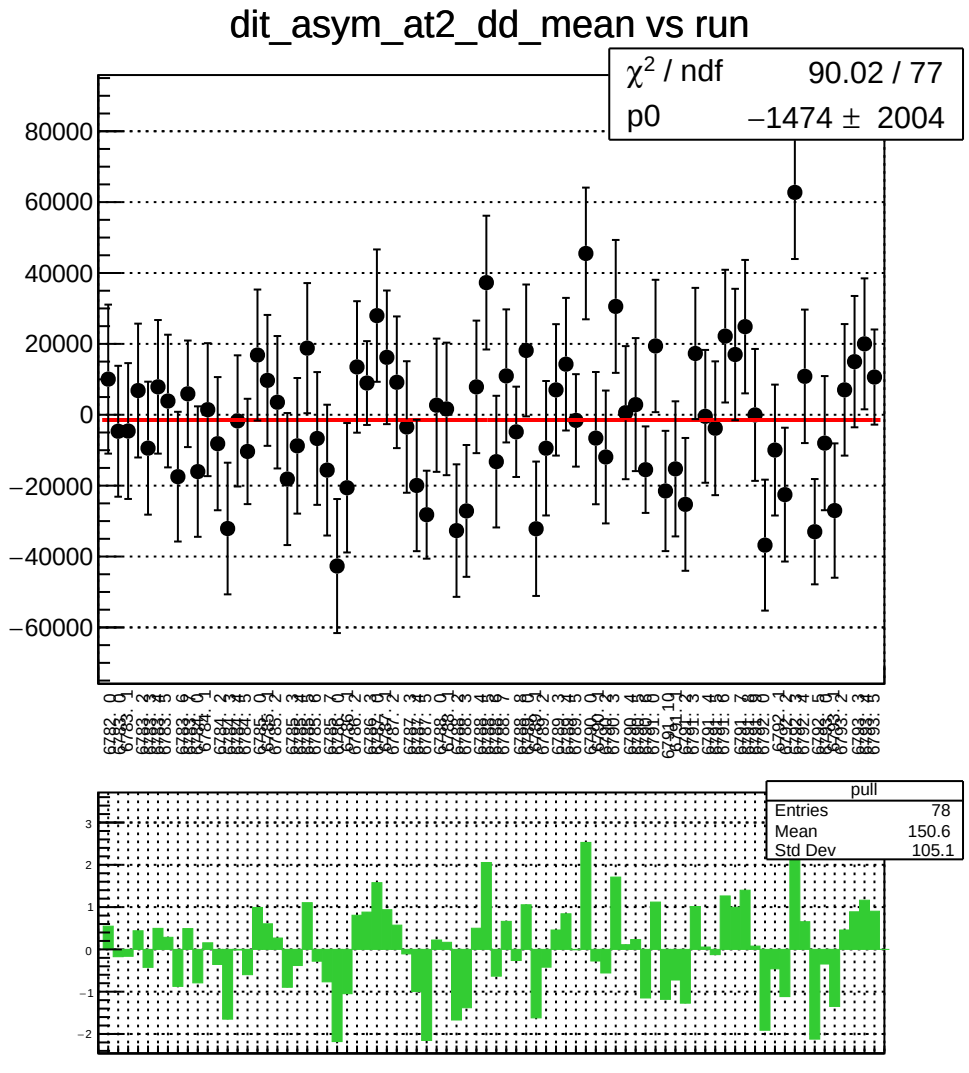

pull1D
Entries 78
Mean −0.006781
Std Dev 0.9181

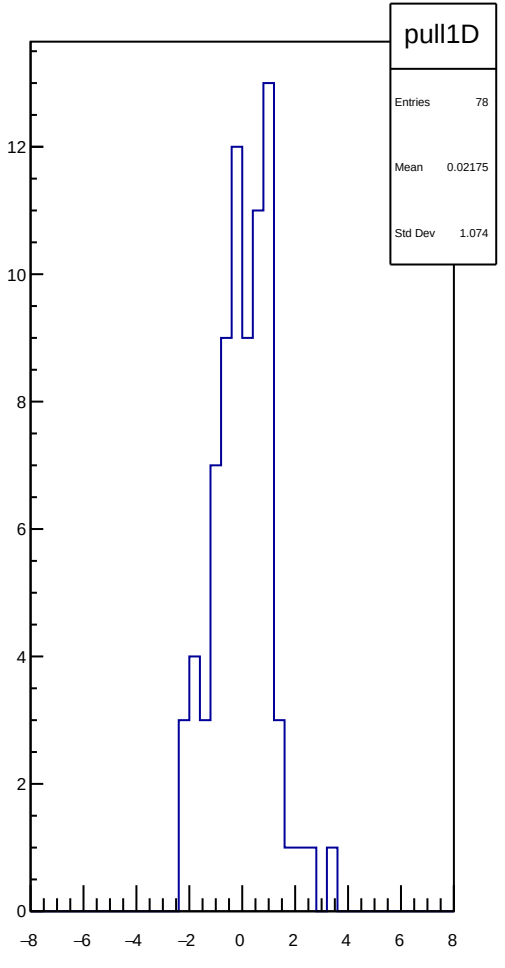

asym_at2_avg_correction_rms vs run
χ² / ndf 2208 / 77
p0 7207 ± 5.761
8000
7800
7600
7400
7200
7000
6800
6600
6400

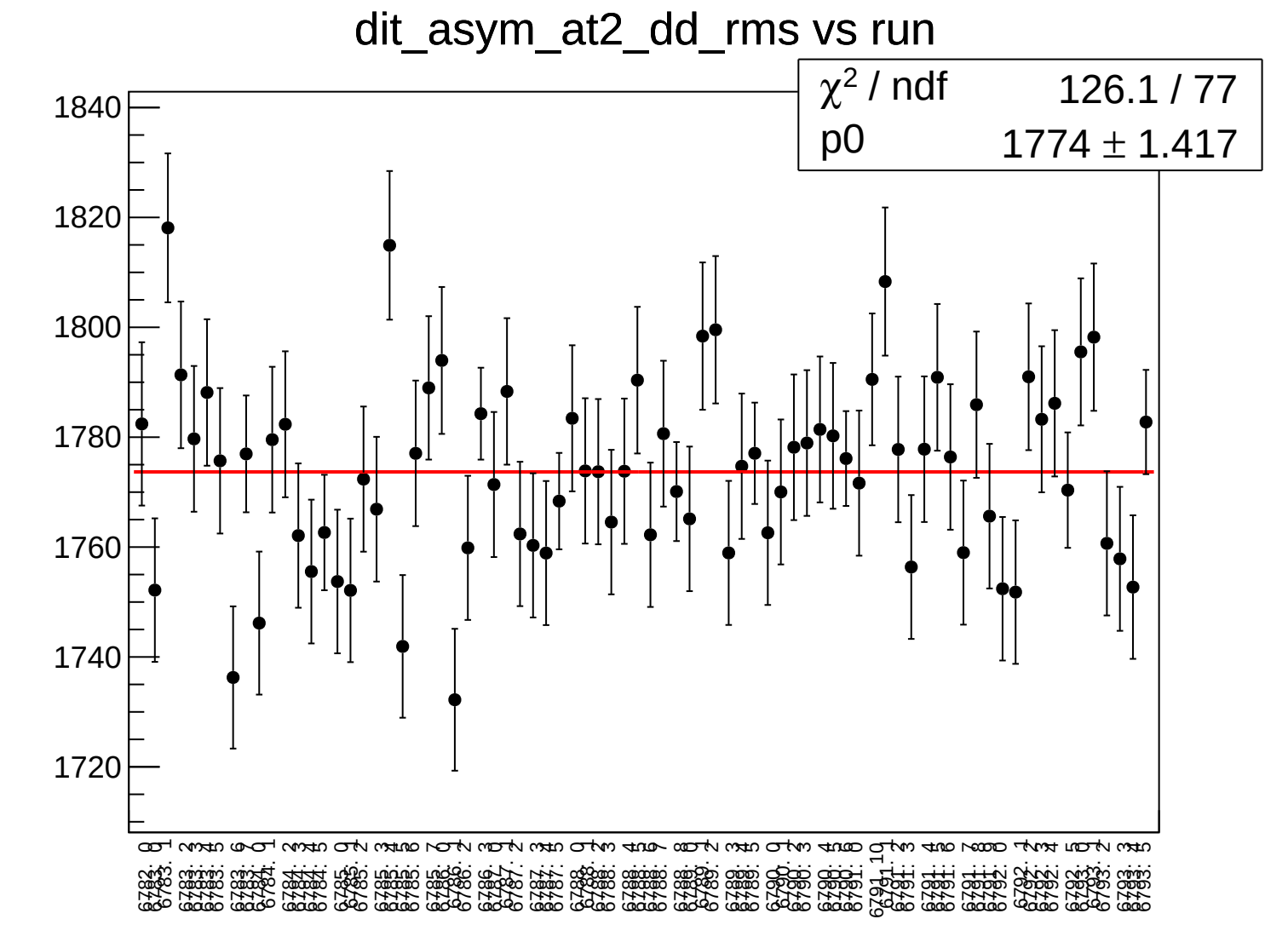

asym_at2_avg_mean vs run
×10^3
χ² / ndf 64.13 / 77
p0 1407 ± 8484
pull
Entries 78
Mean −429.6
Std Dev 483.5

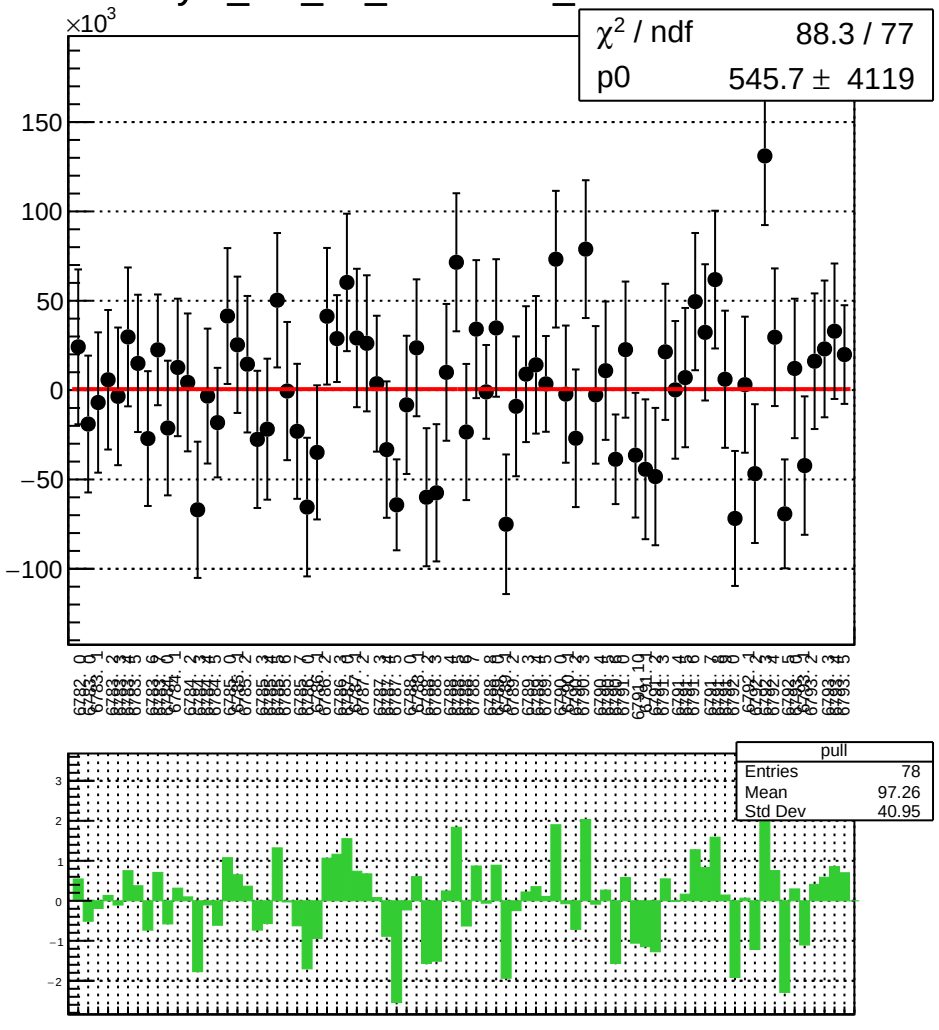

pull1D
Entries 78
Mean 0.004457
Std Dev 0.9067

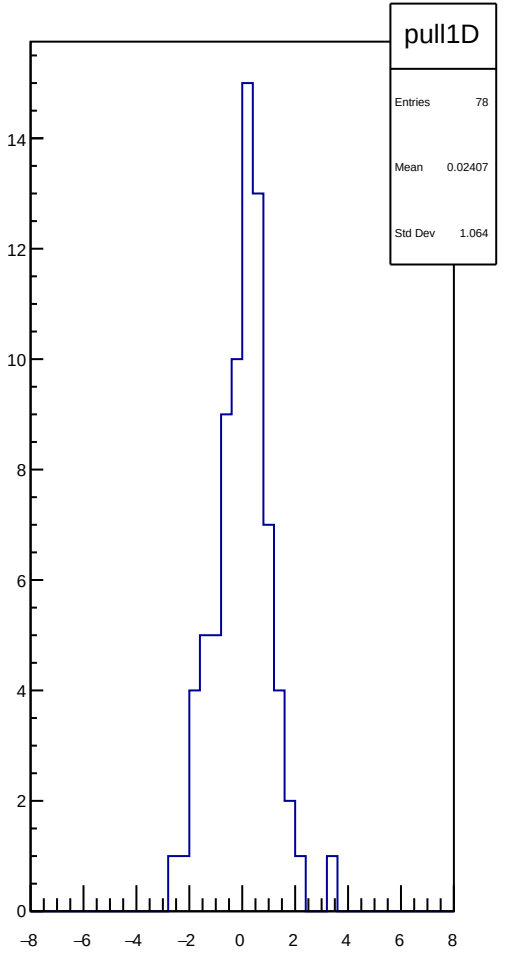

asym_at2_avg_rms vs run
χ² / ndf 2499 / 77
p0 7504 ± 5.999
8400
8200
8000
7800
7600
7400
7200
7000
6800

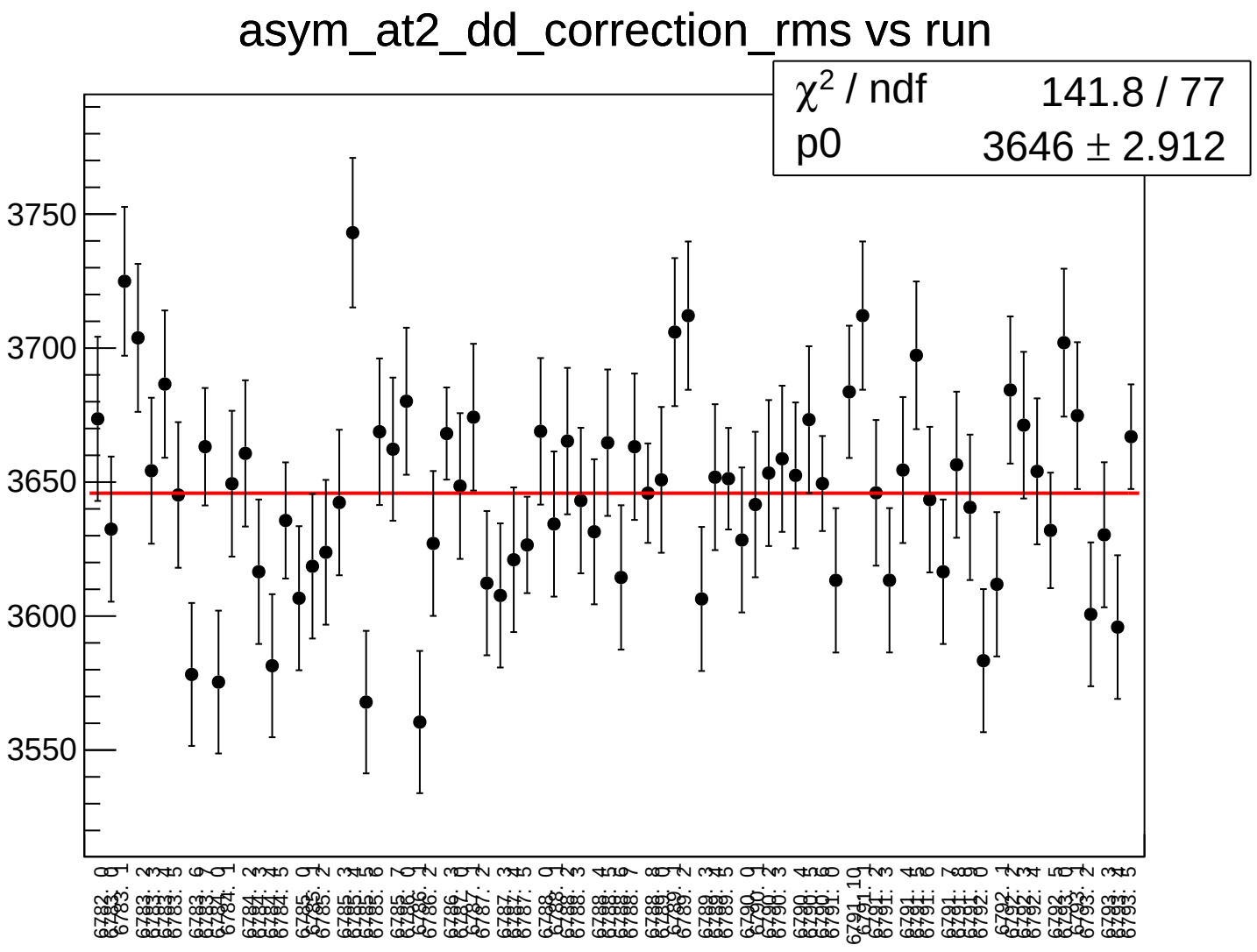

dit_asym_at2_dd_mean vs run
χ² / ndf 90.02 / 77
p0 −1474 ± 2004
pull
Entries 78
Mean 150.6
Std Dev 105.1

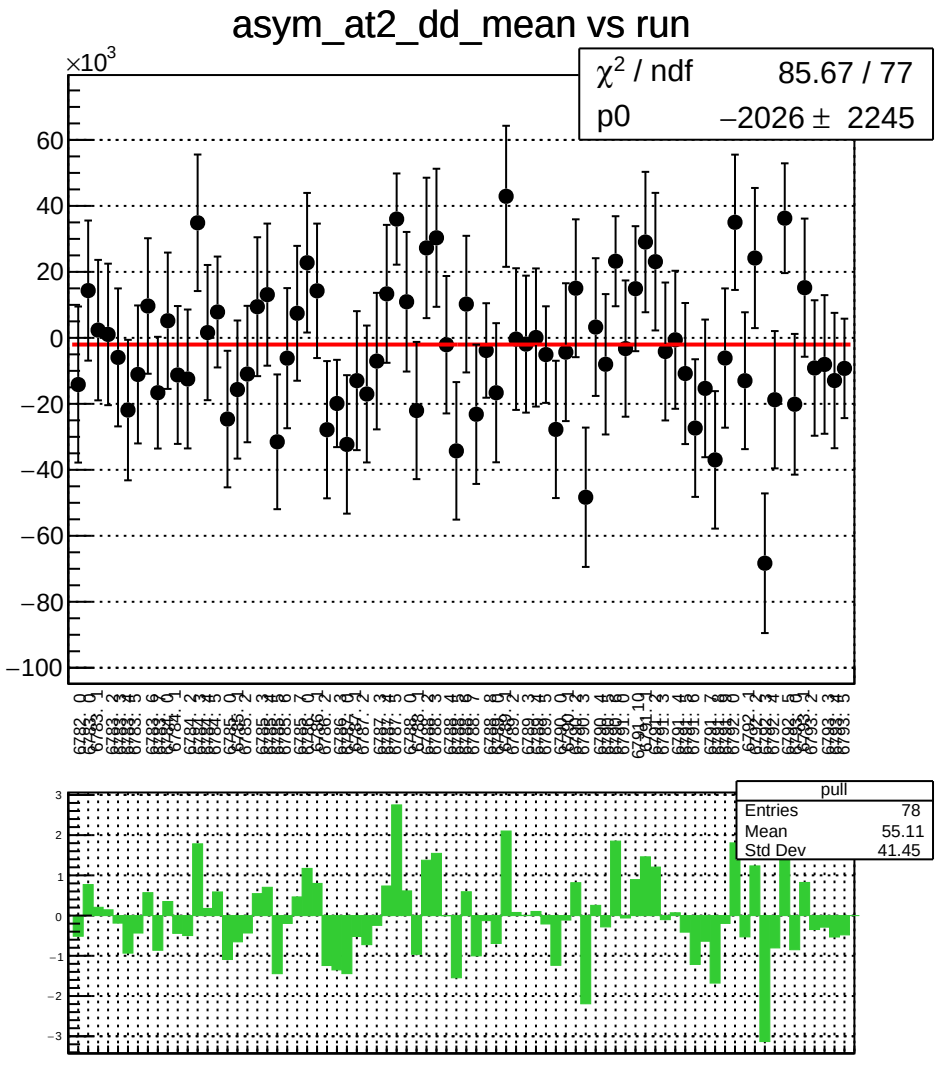

pull1D
Entries 78
Mean 0.02175
Std Dev 1.074

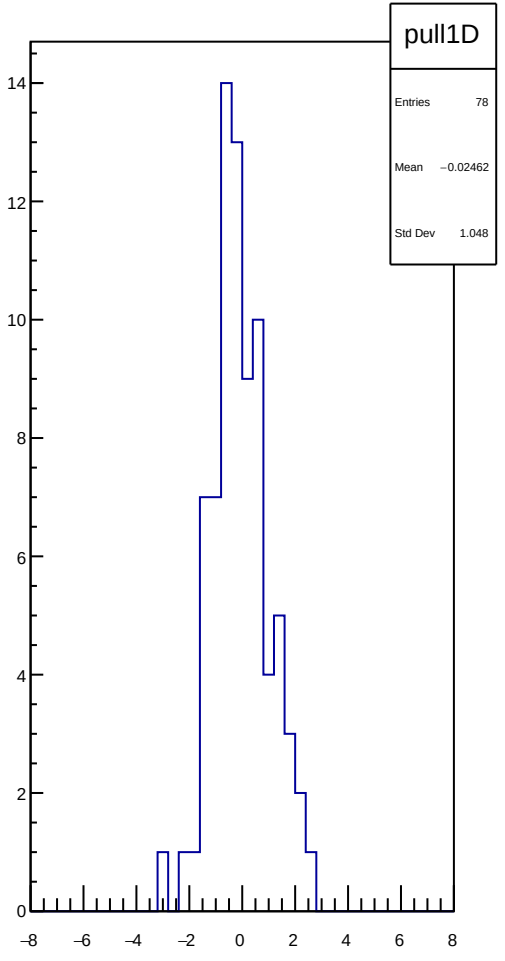

dit_asym_at2_dd_rms vs run
χ^2 / ndf 126.1 / 77
p0 1774 ± 1.417
1840
1820
1800
1780
1760
1740
1720

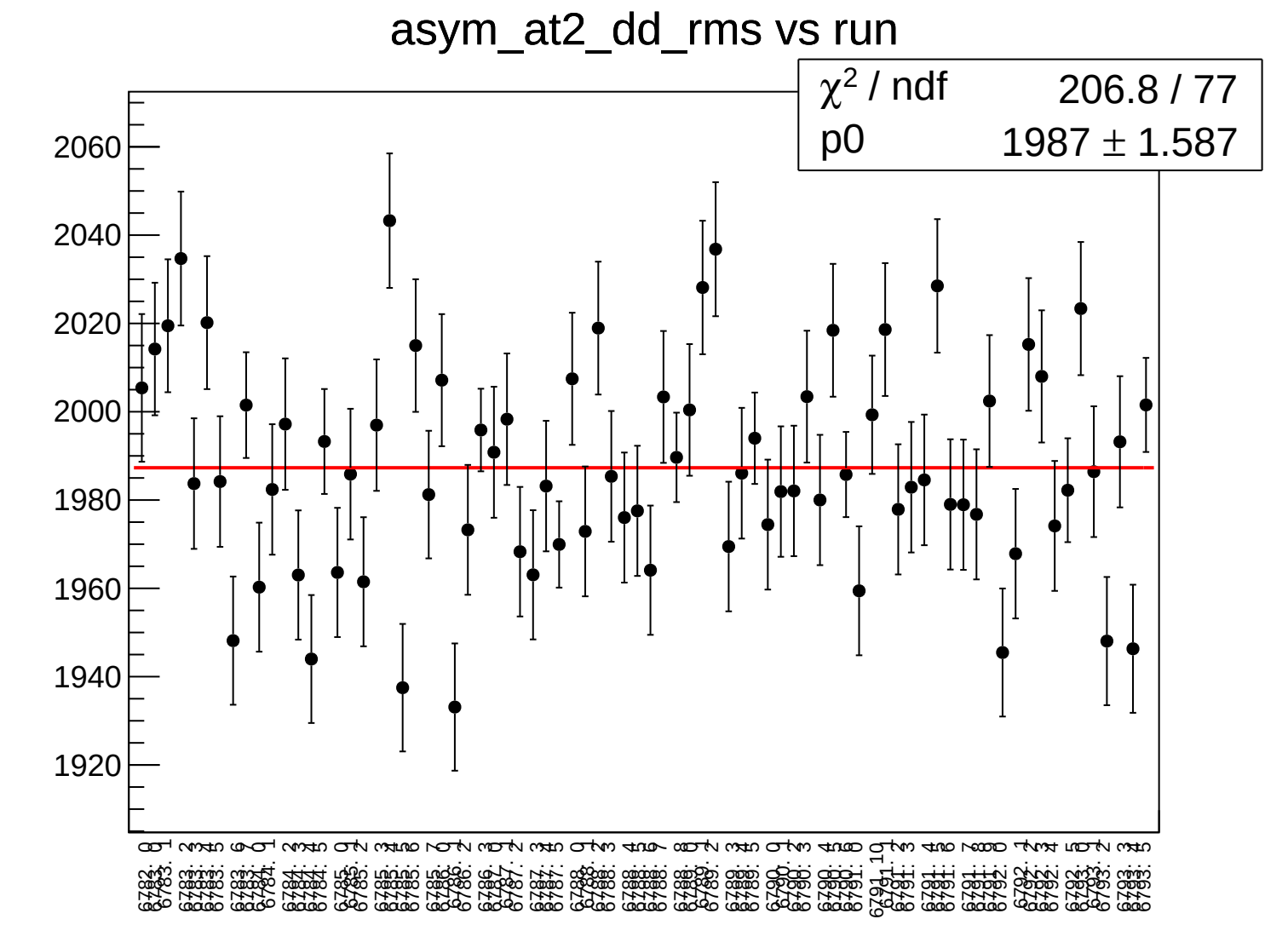

asym_at2_dd_correction_mean vs run
χ² / ndf 88.3 / 77
p0 545.7 ± 4119
pull
Entries 78
Mean 97.26
Std Dev 40.95

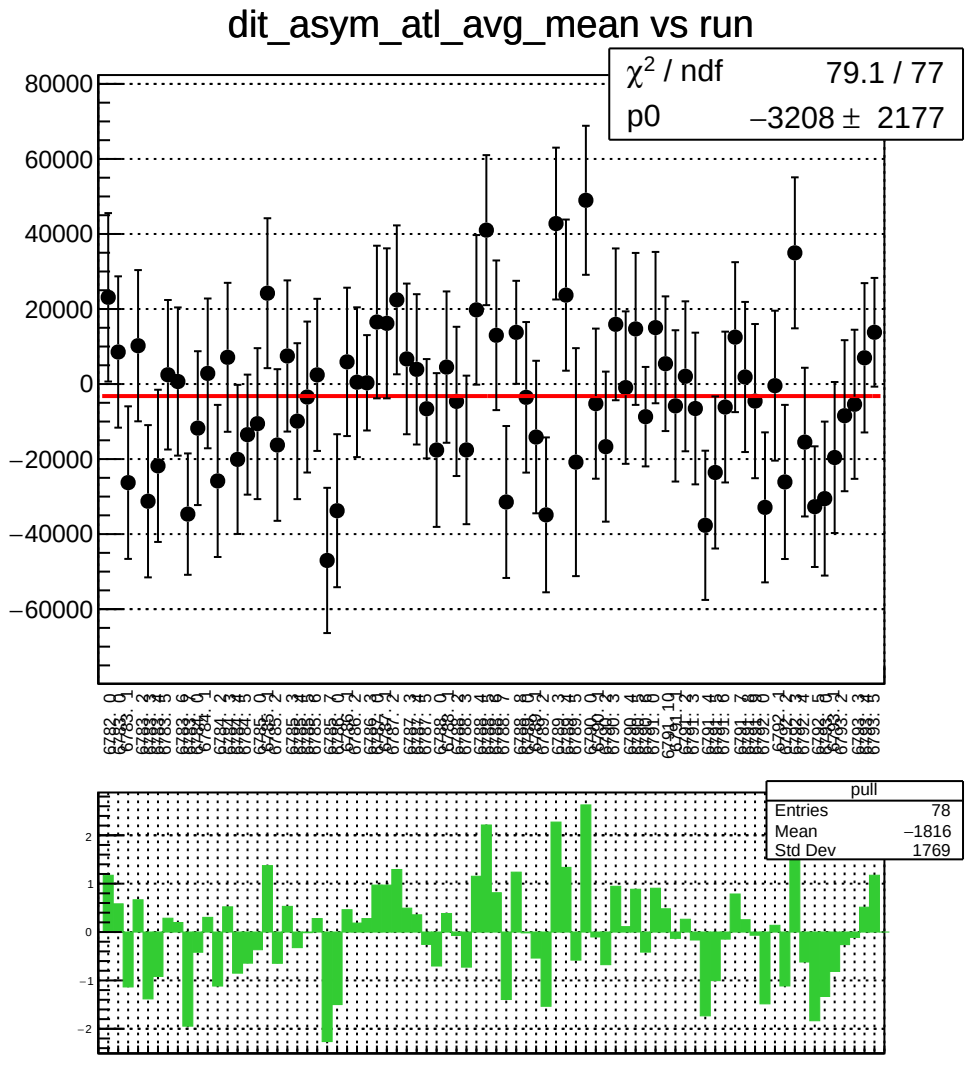

pull1D
Entries 78
Mean 0.02407
Std Dev 1.064

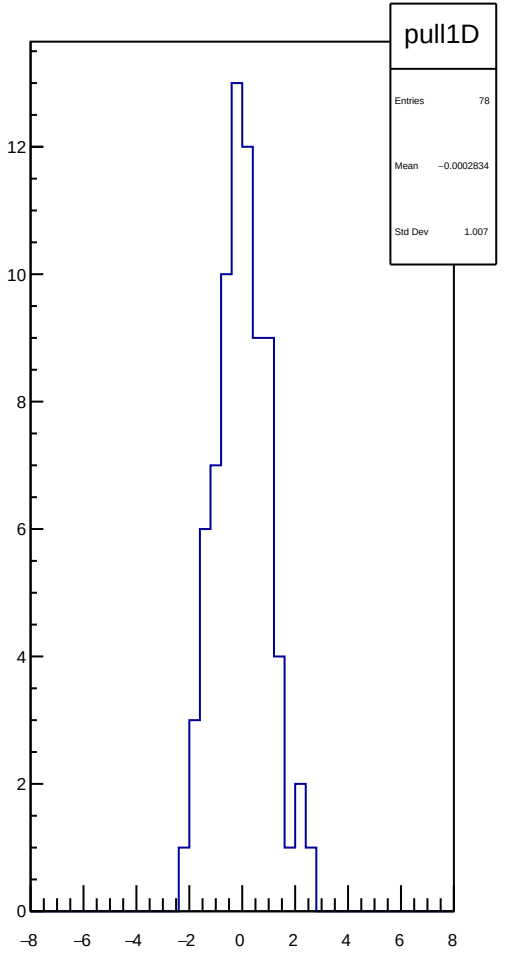

asym_at2_dd_correction_rms vs run
χ² / ndf 141.8 / 77
p0 3646 ± 2.912
3750
3700
3650
3600
3550

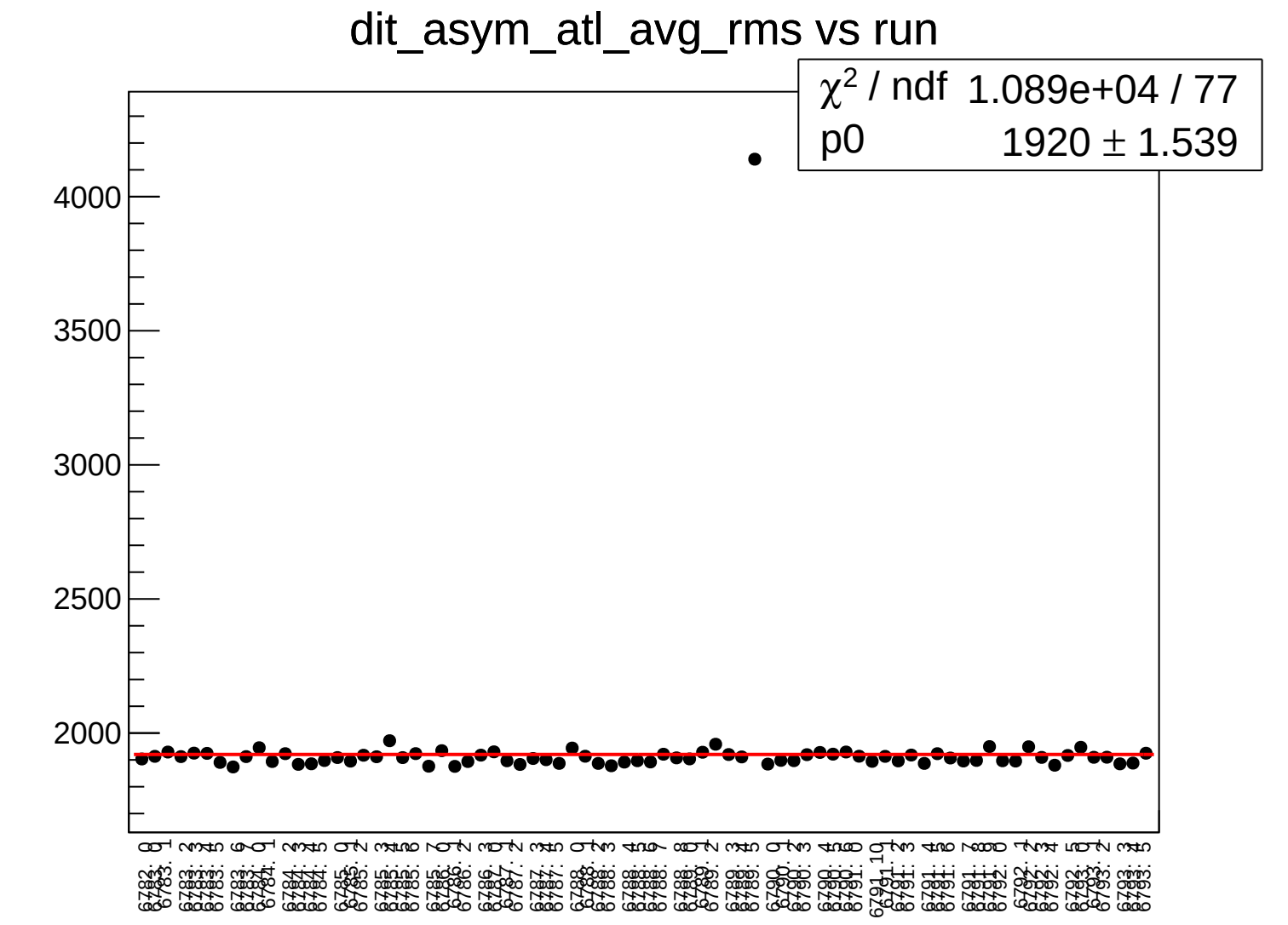

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 85.67 / 77
p0 −2026 ± 2245
pull
Entries 78
Mean 55.11
Std Dev 41.45

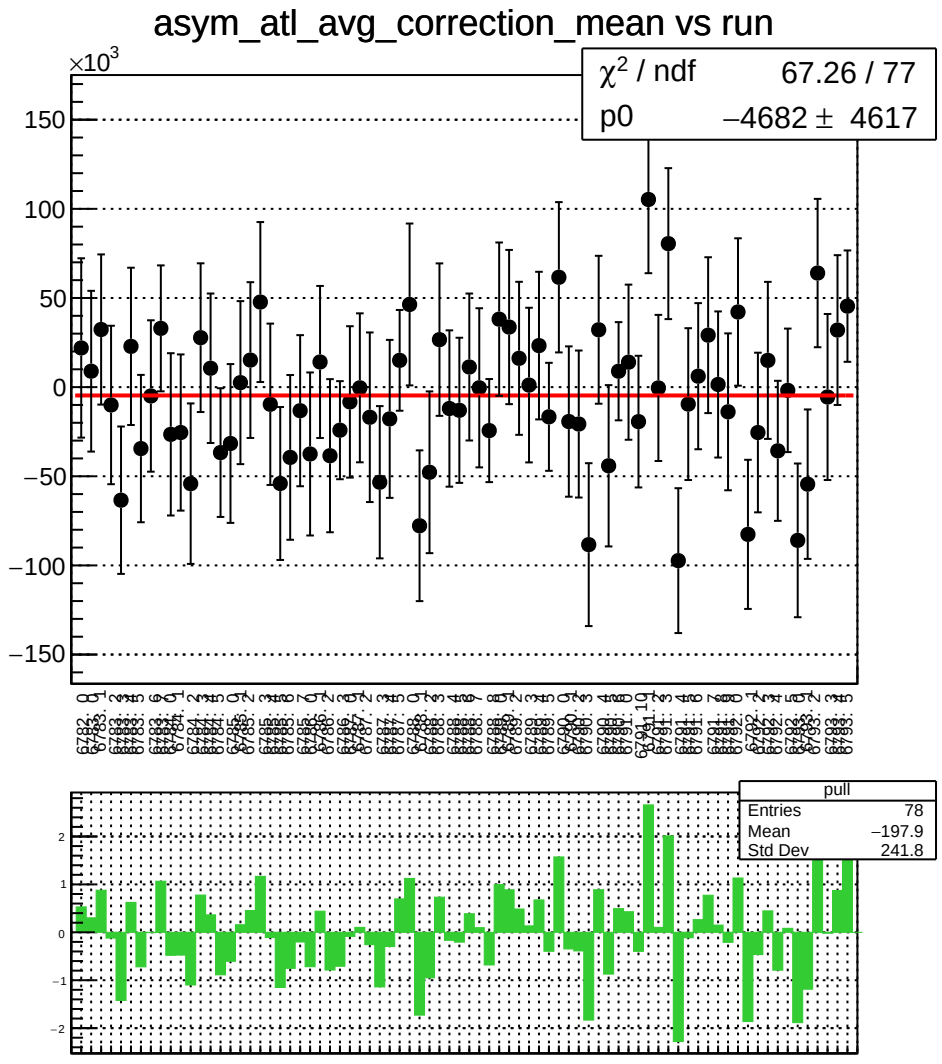

pull1D
Entries 78
Mean −0.02462
Std Dev 1.048

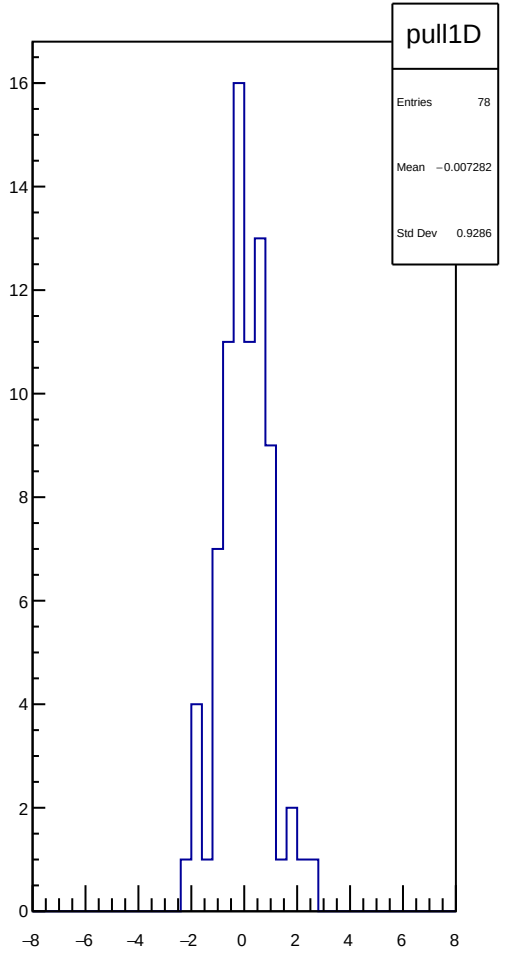

asym_at2_dd_rms vs run
χ^2 / ndf 206.8 / 77
p0 1987 ± 1.587
2060
2040
2020
2000
1980
1960
1940
1920

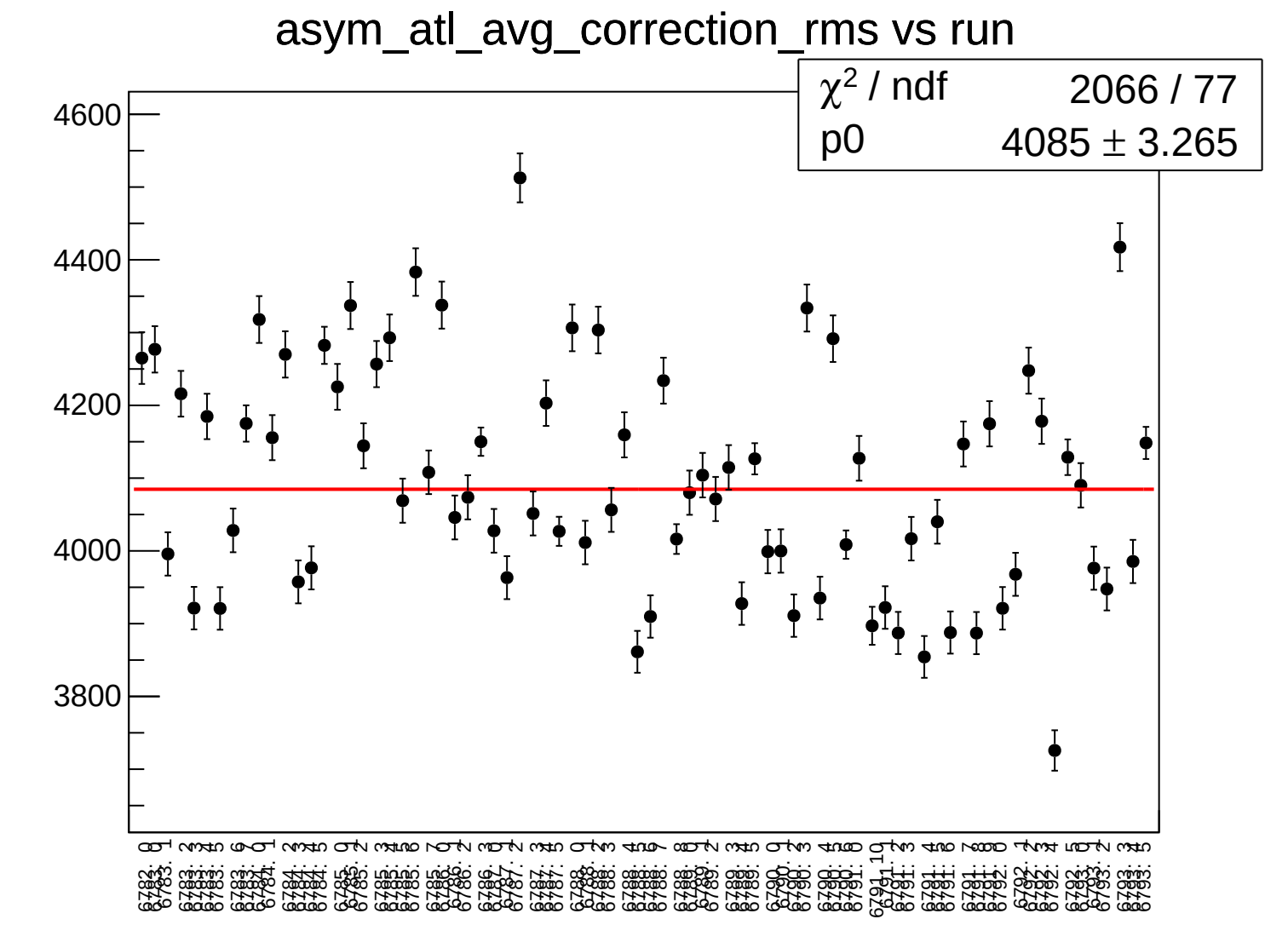

dit_asym_atl_avg_mean vs run
χ² / ndf 79.1 / 77
p0 −3208 ± 2177
pull
Entries 78
Mean −1816
Std Dev 1769

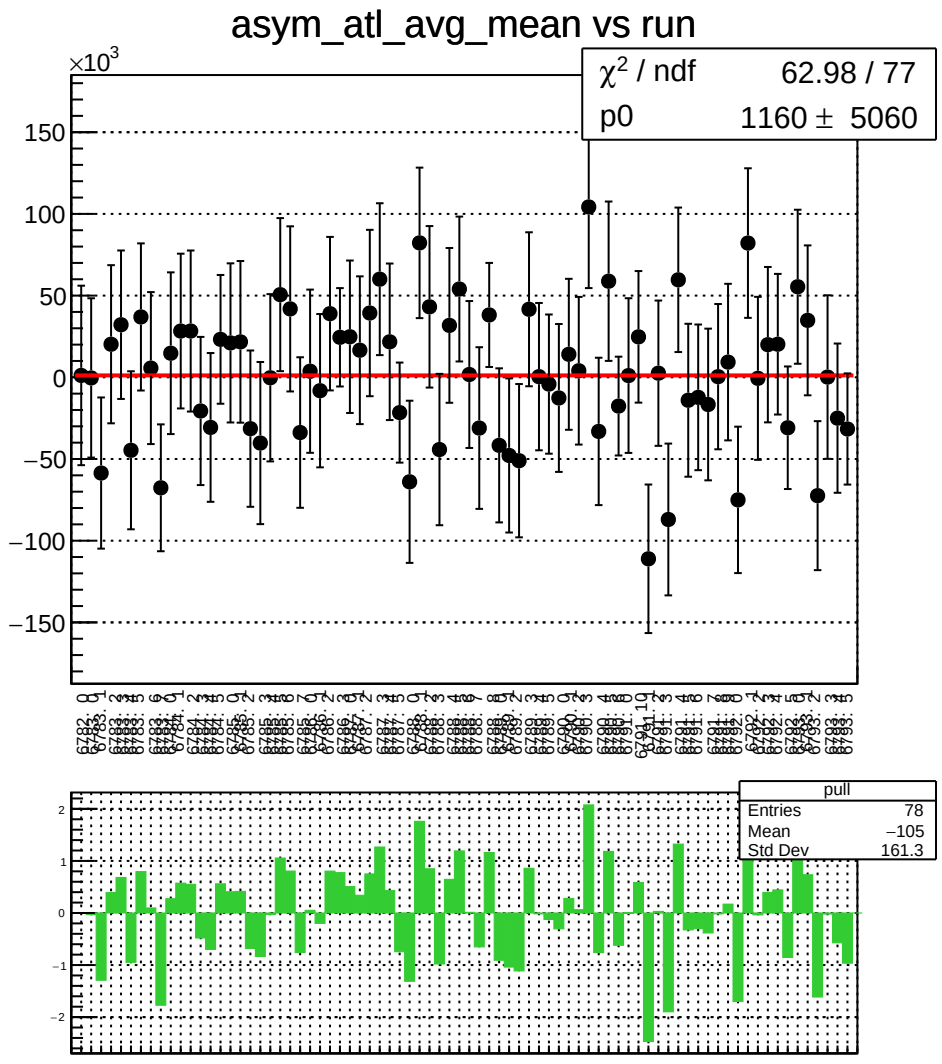

pull1D
Entries 78
Mean −0.0002834
Std Dev 1.007

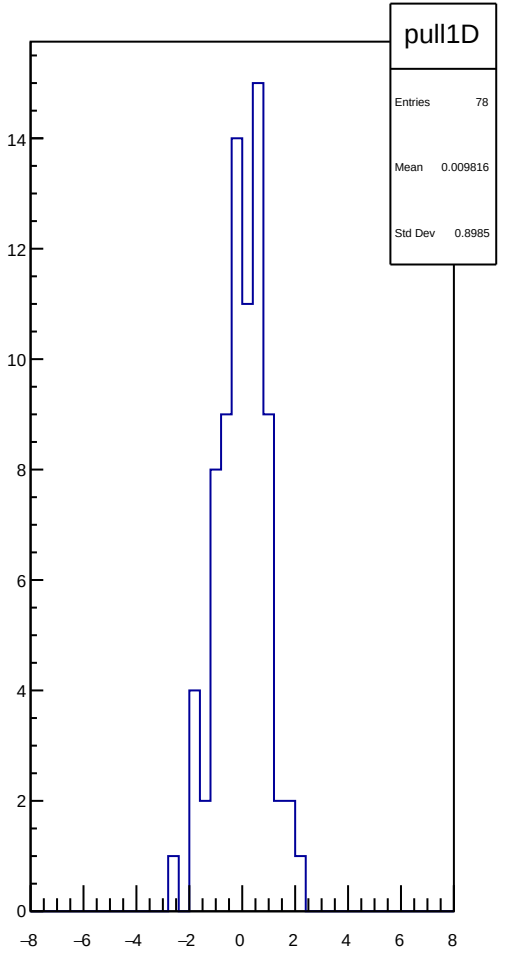

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.089e+04 / 77
p0 1920 ± 1.539
4000
3500
3000
2500
2000

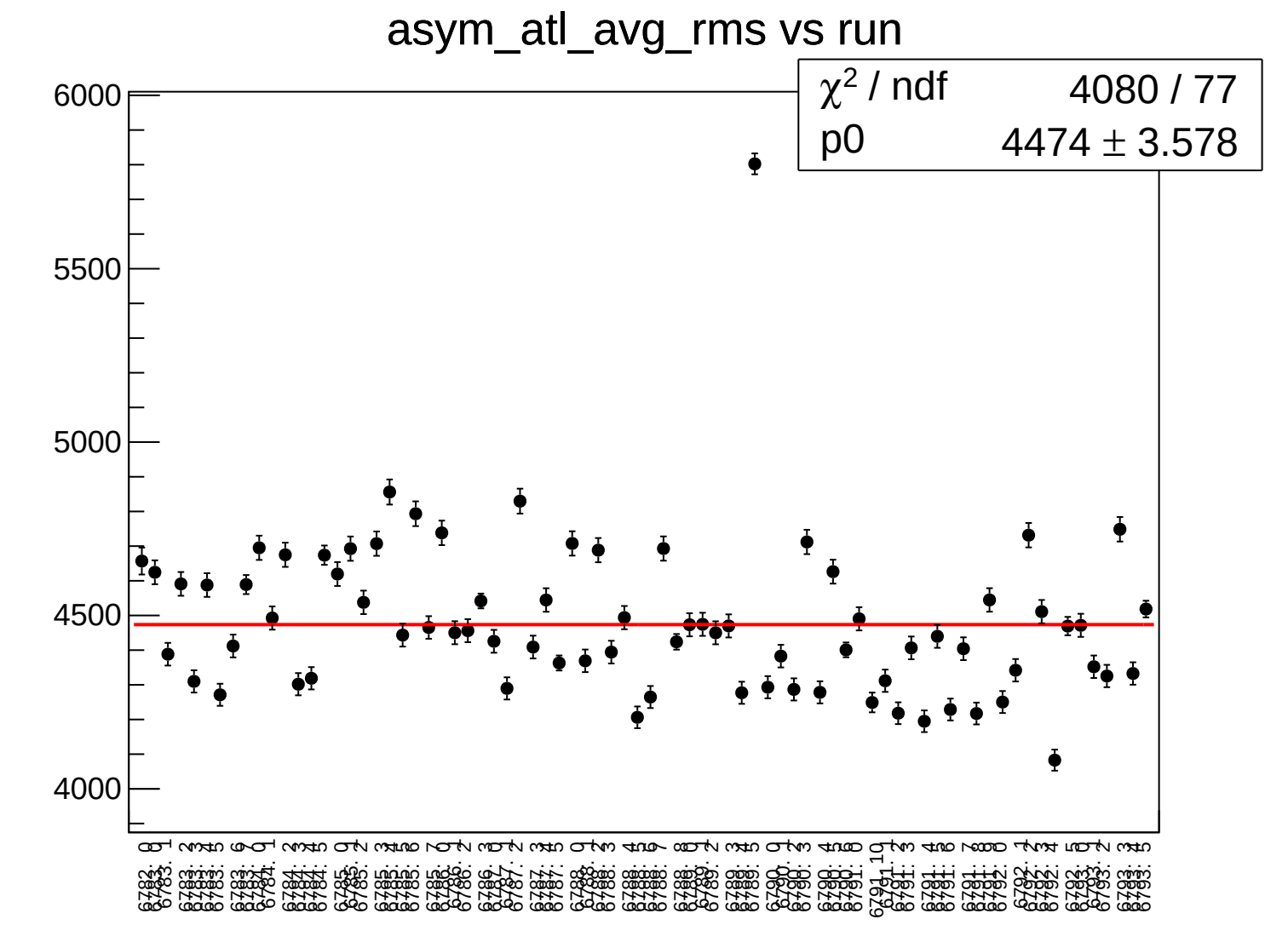

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 67.26 / 77
p0 −4682 ± 4617
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −197.9
Std Dev 241.8
2
1
0
−1
−2

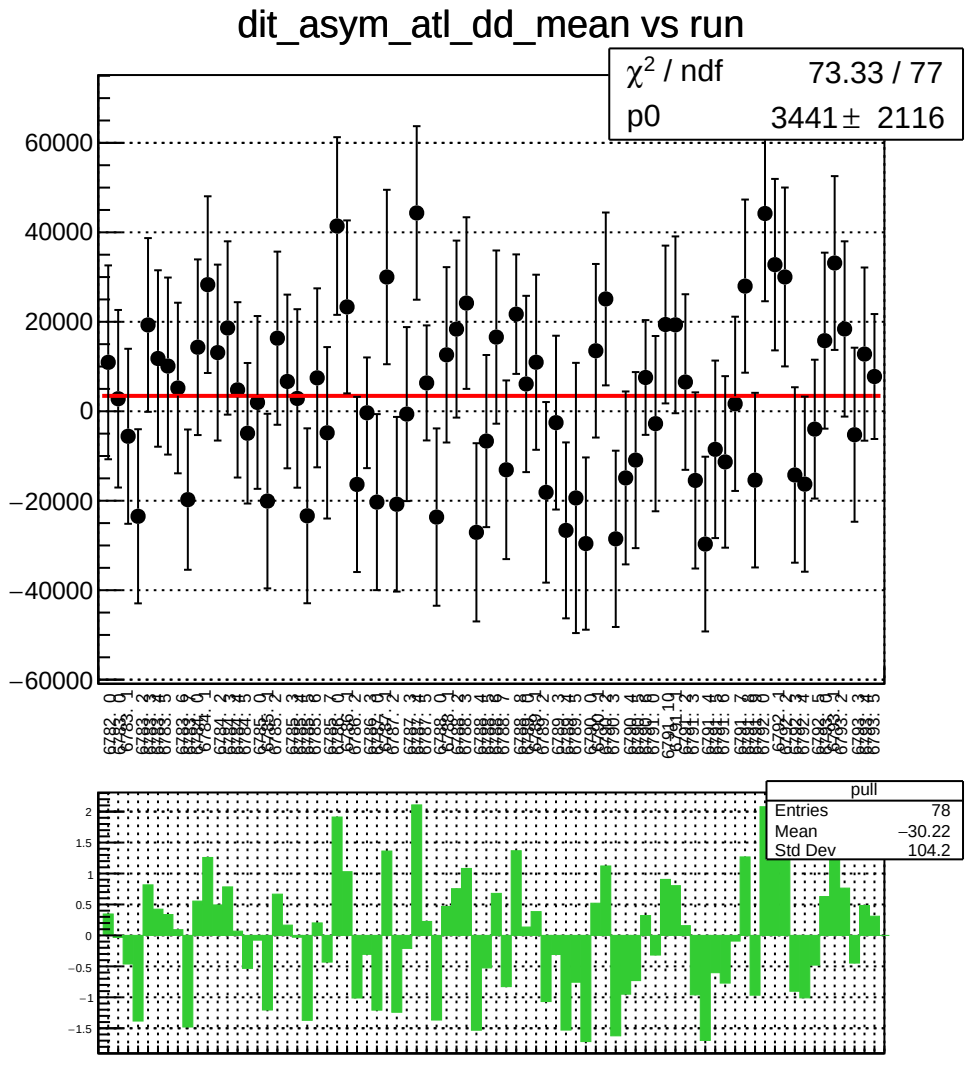

pull1D
Entries 78
Mean −0.007282
Std Dev 0.9286
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

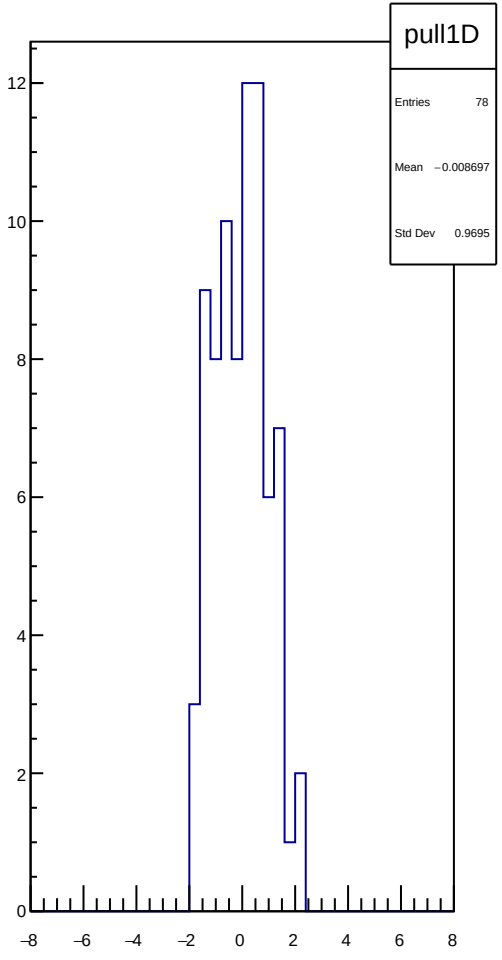

asym_atl_avg_correction_rms vs run
χ² / ndf 2066 / 77
p0 4085 ± 3.265
4600
4400
4200
4000
3800

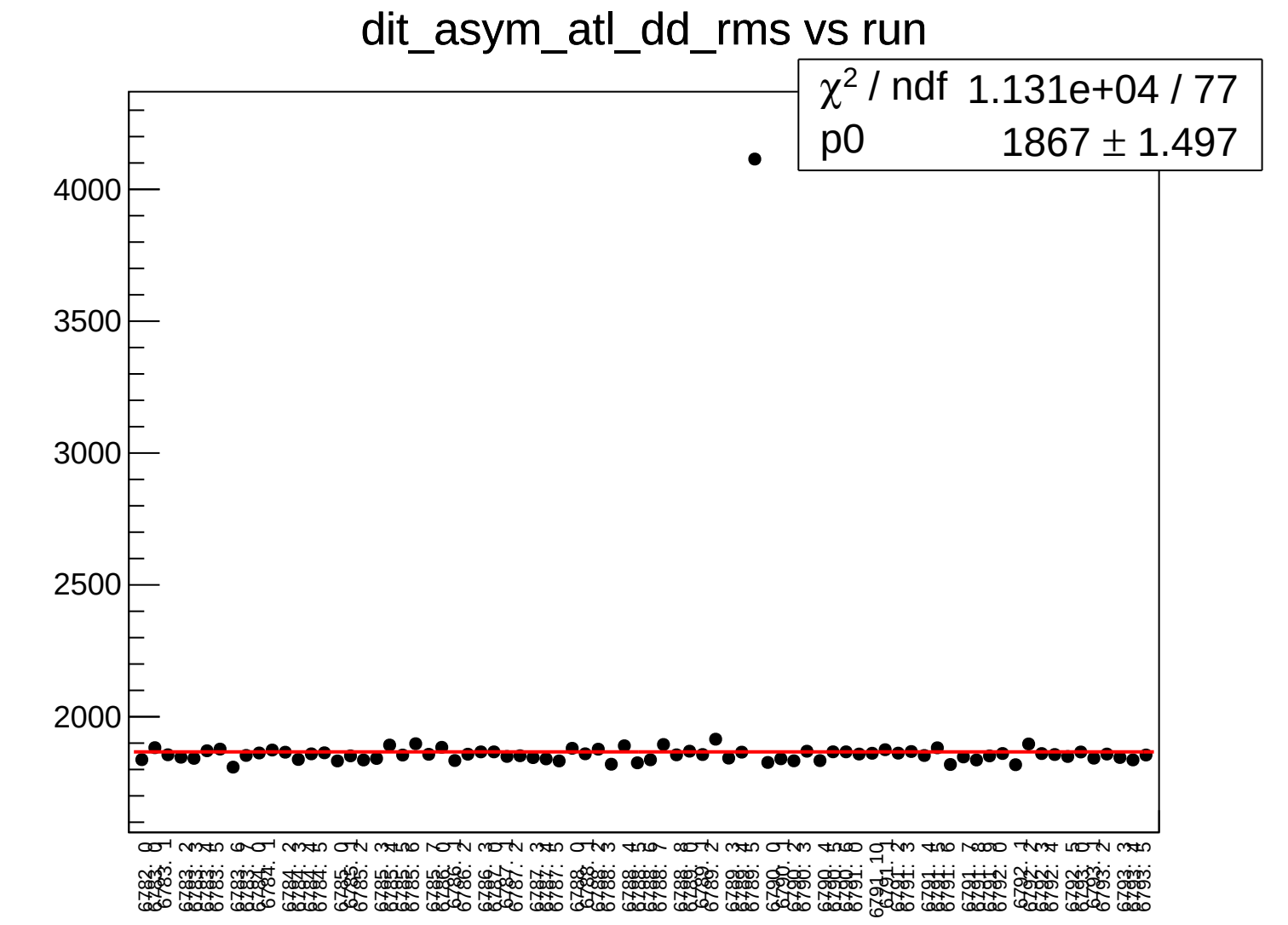

asym_atl_avg_mean vs run
×10^3
χ² / ndf 62.98 / 77
p0 1160 ± 5060
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −105
Std Dev 161.3
2
1
0
−1
−2

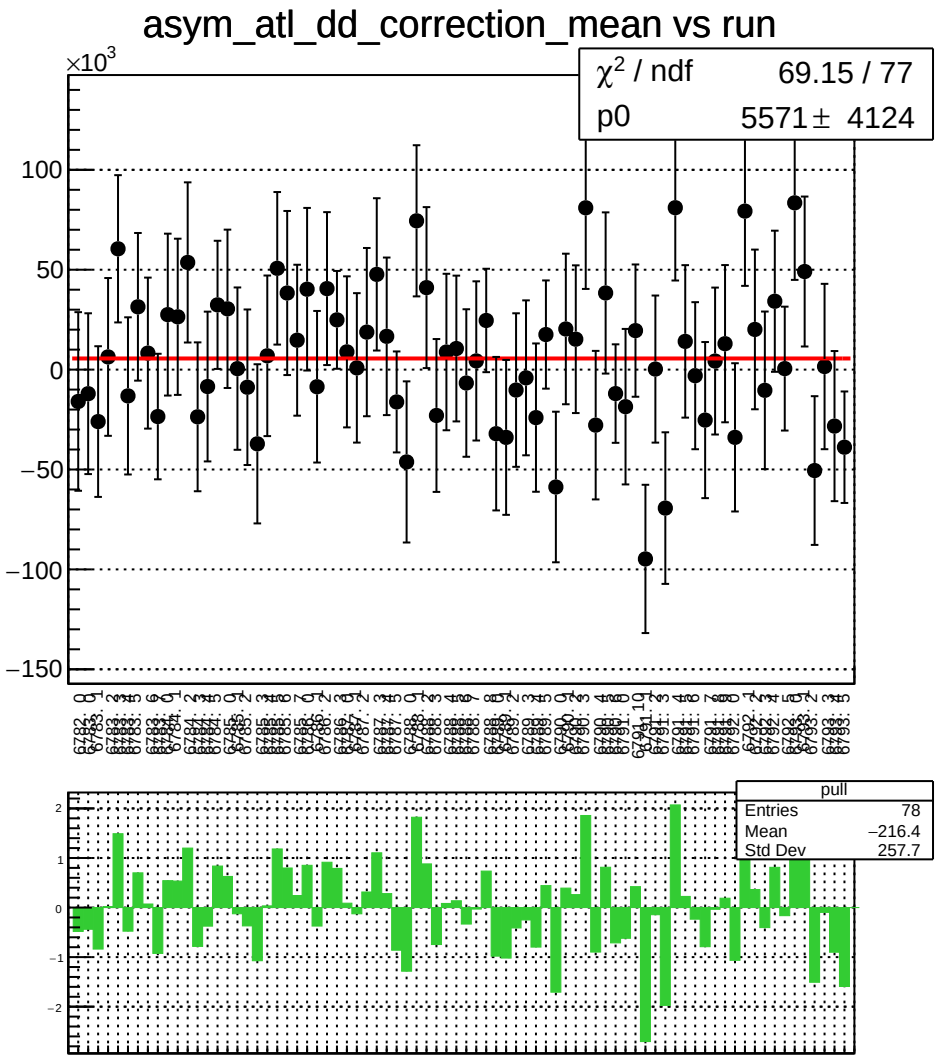

pull1D
Entries 78
Mean 0.009816
Std Dev 0.8985
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

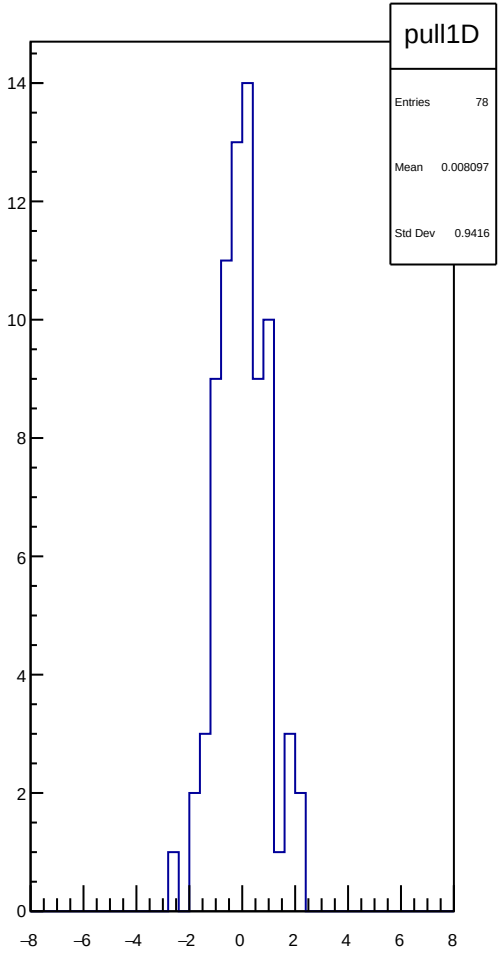

asym_atl_avg_rms vs run
χ² / ndf 4080 / 77
p0 4474 ± 3.578
6000
5500
5000
4500
4000

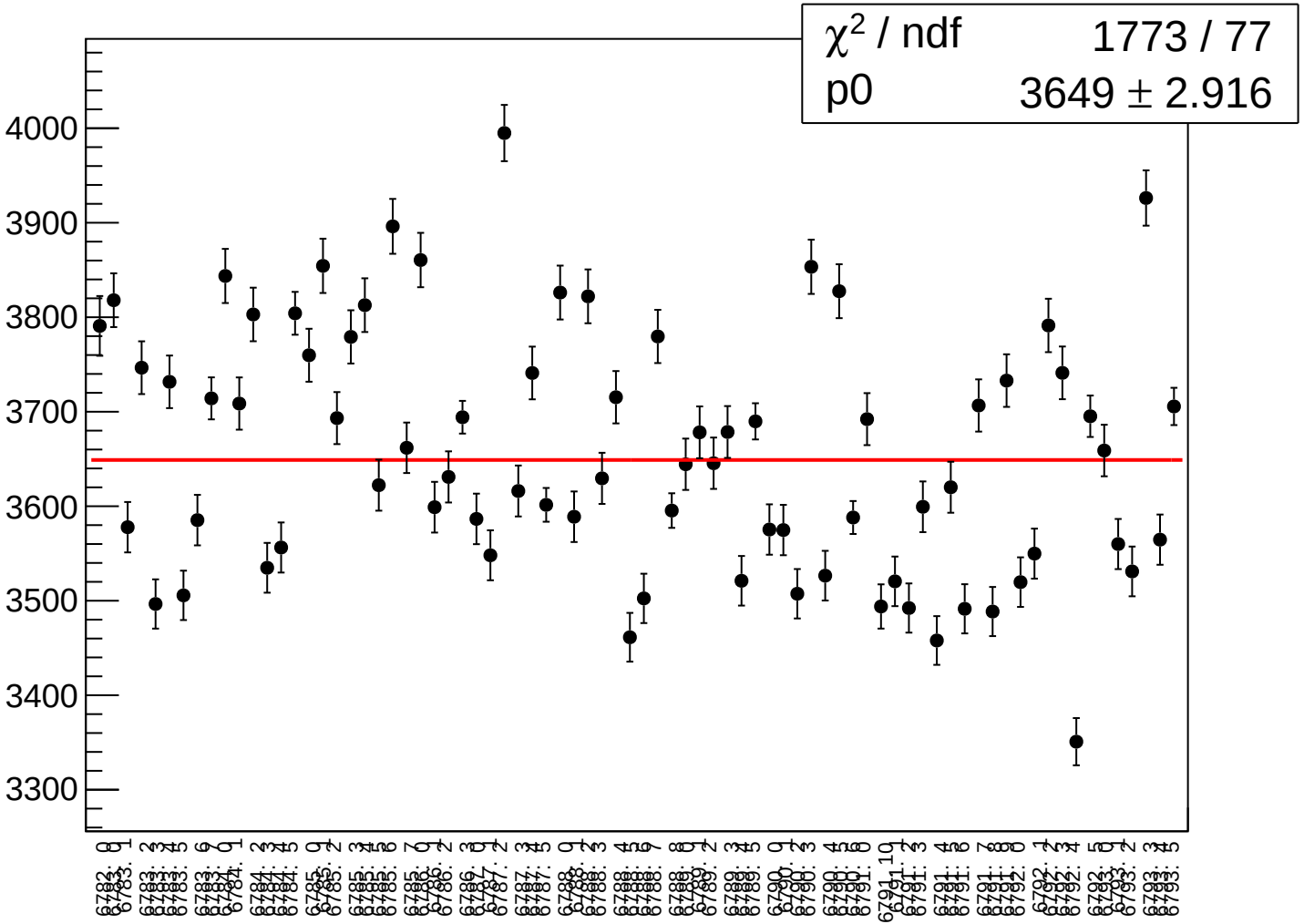

dit_asym_atl_dd_mean vs run
χ² / ndf 73.33 / 77
p0 3441 ± 2116
pull
Entries 78
Mean −30.22
Std Dev 104.2

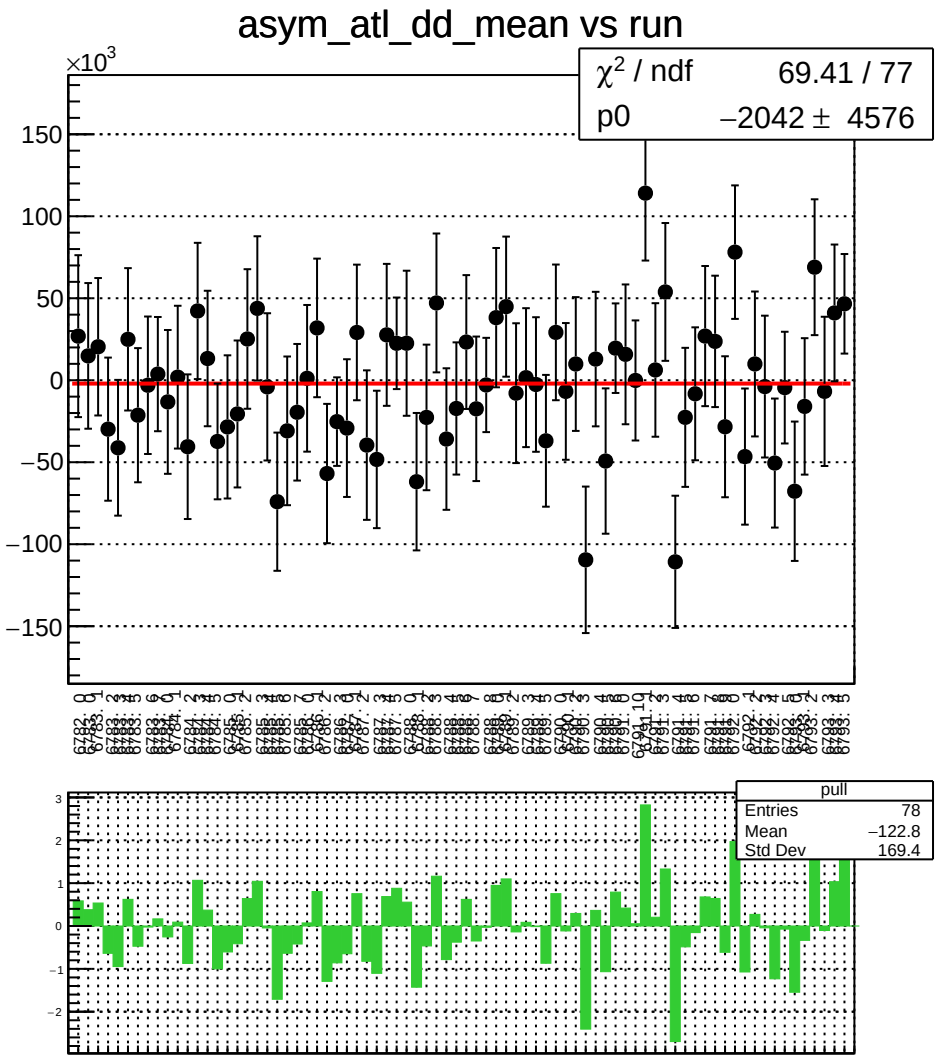

pull1D
Entries 78
Mean −0.008697
Std Dev 0.9695

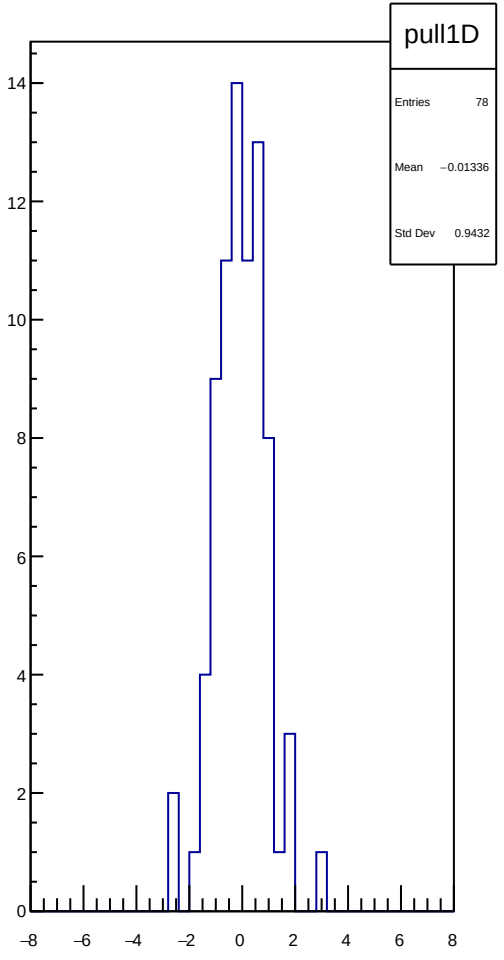

dit_asym_atl_dd_rms vs run
χ^2 / ndf 1.131e+04 / 77
p0 1867 ± 1.497
4000
3500
3000
2500
2000

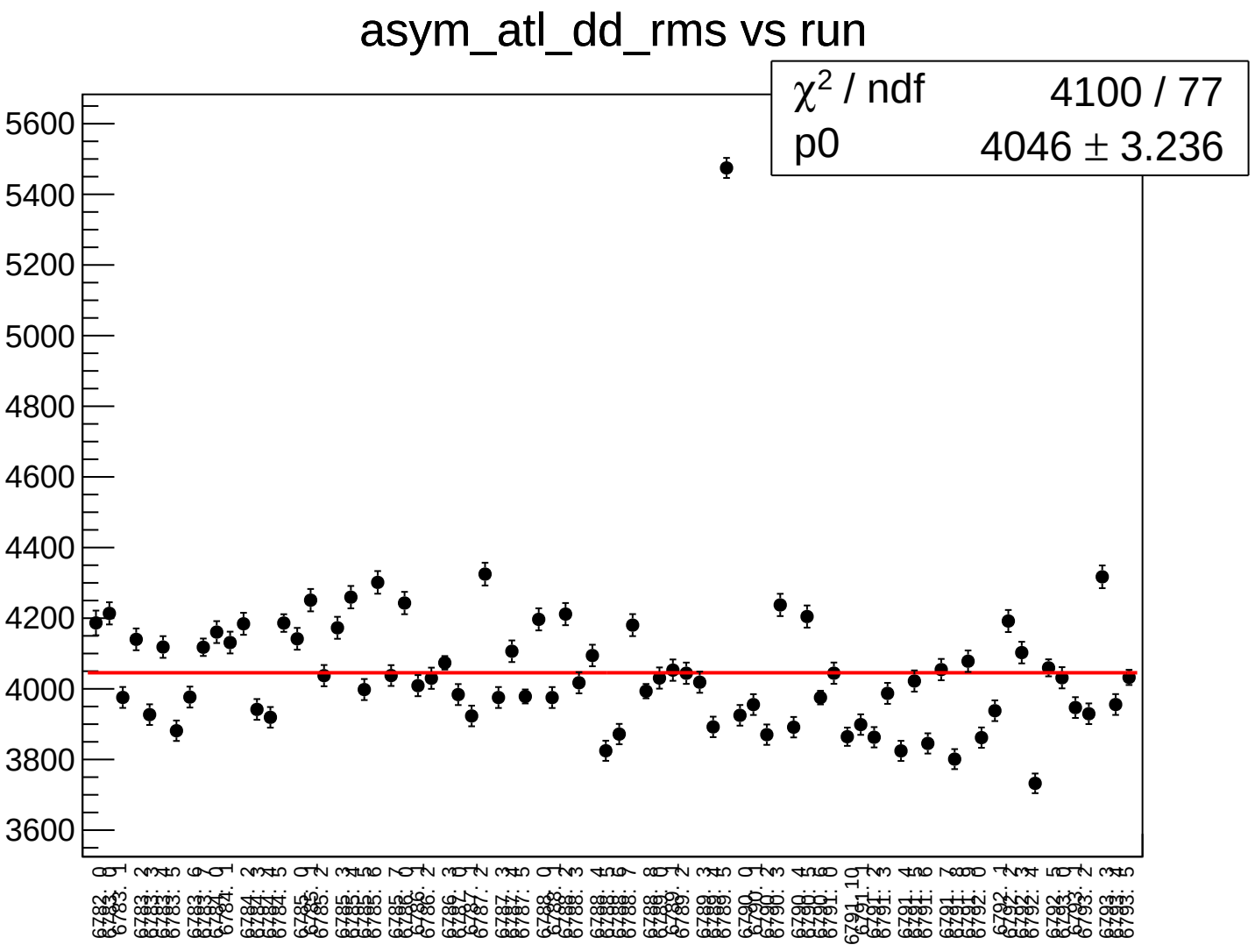

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 69.15 / 77
p0 5571 ± 4124
100
50
0
−50
−100
−150
pull
Entries 78
Mean −216.4
Std Dev 257.7
2
1
0
−1
−2

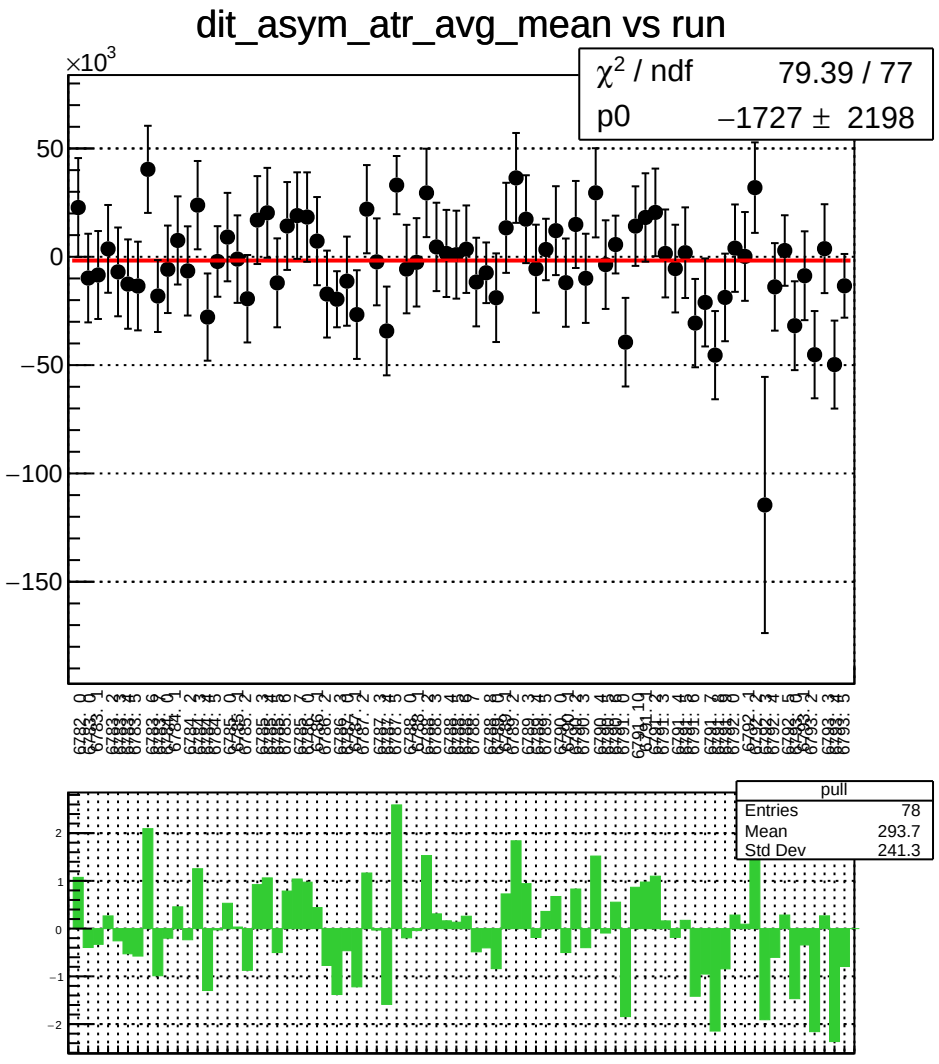

pull1D
Entries 78
Mean 0.008097
Std Dev 0.9416
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

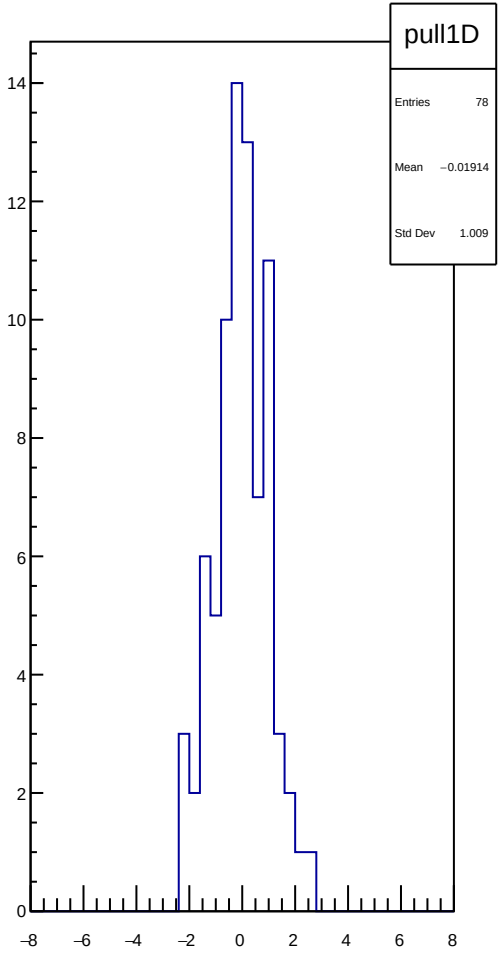

asym_atl_dd_correction_rms vs run
χ² / ndf 1773 / 77
p0 3649 ± 2.916
4000
3900
3800
3700
3600
3500
3400
3300

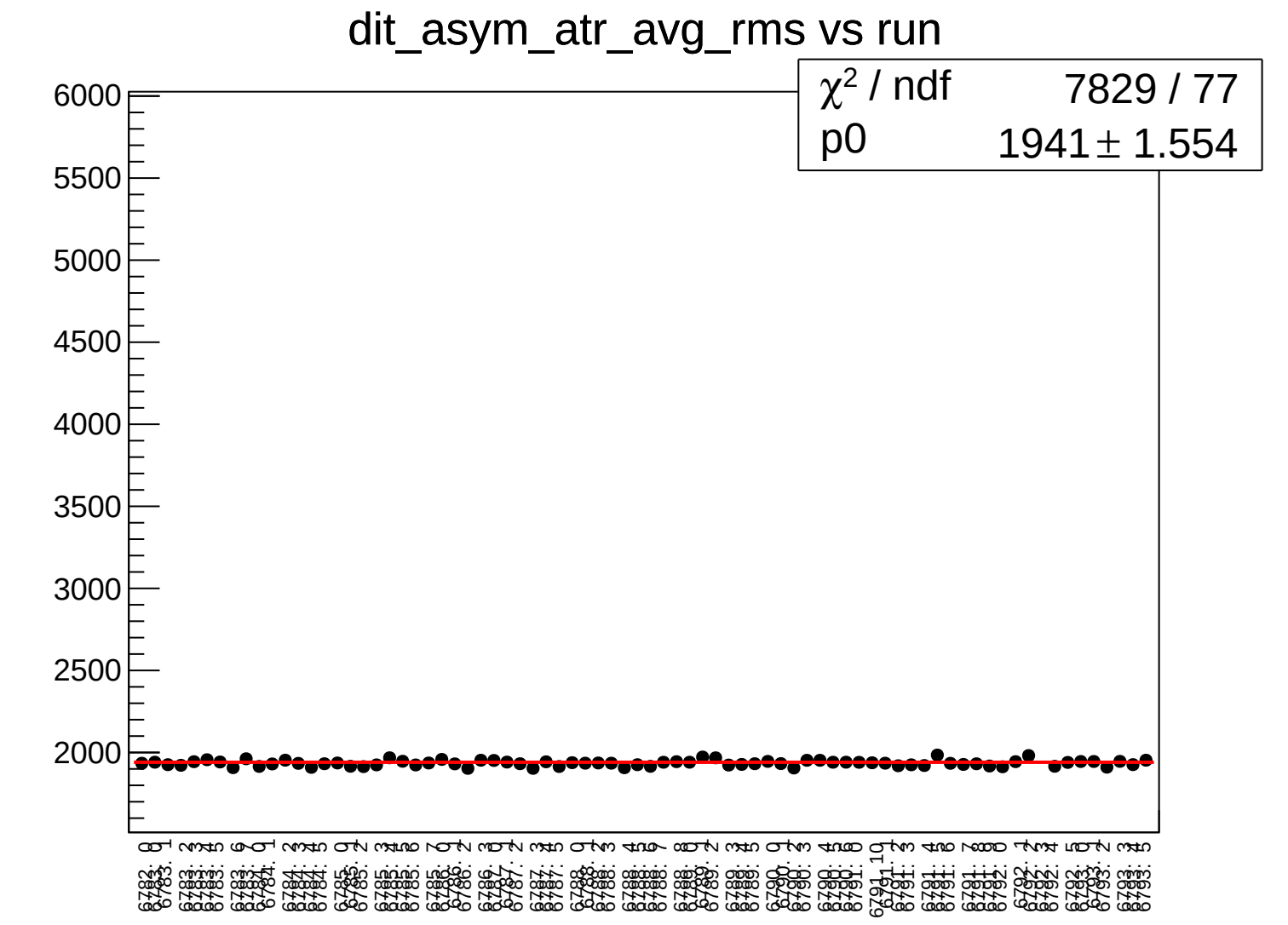

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 69.41 / 77
p0 −2042 ± 4576
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −122.8
Std Dev 169.4
3
2
1
0
−1
−2

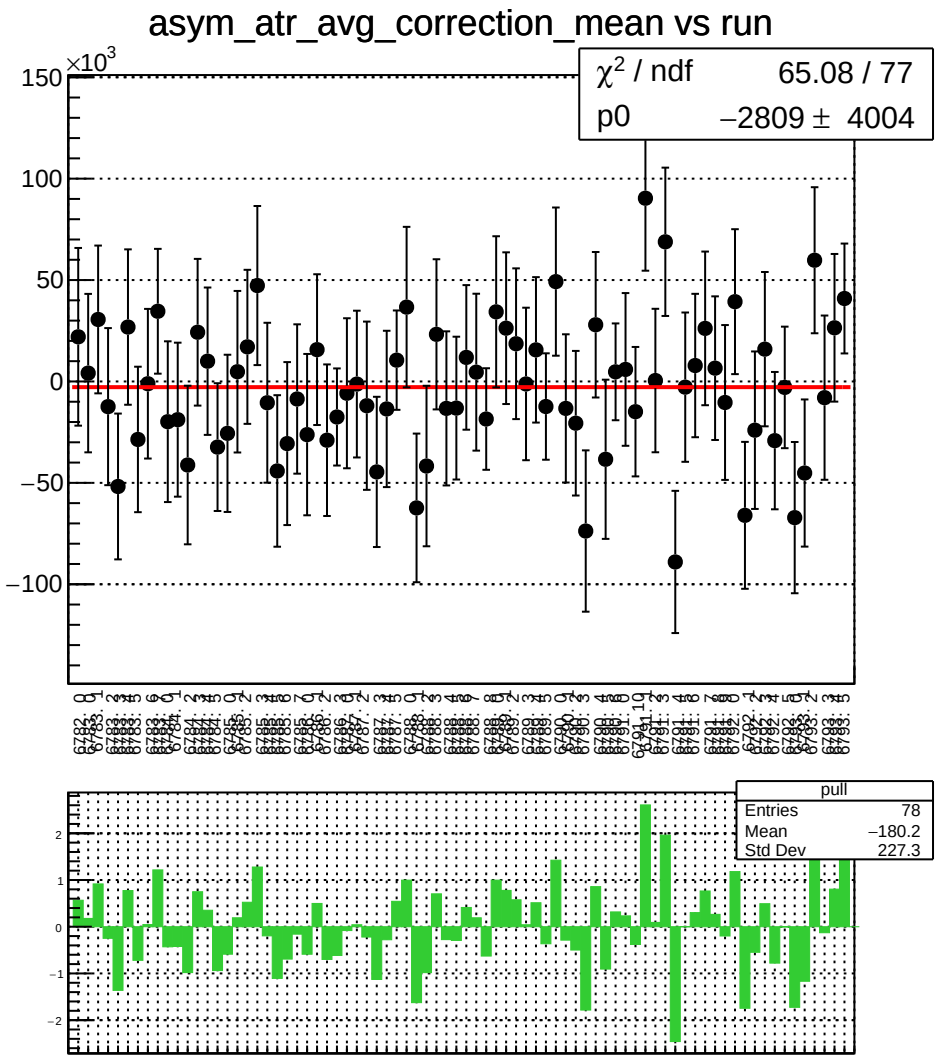

pull1D
Entries 78
Mean −0.01336
Std Dev 0.9432
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

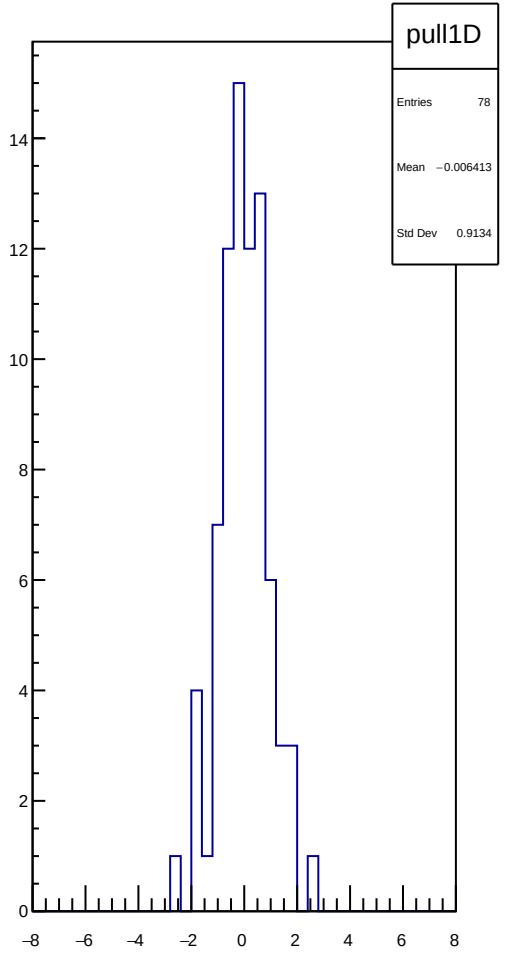

asym_atl_dd_rms vs run
χ^2 / ndf 4100 / 77
p0 4046 ± 3.236
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600

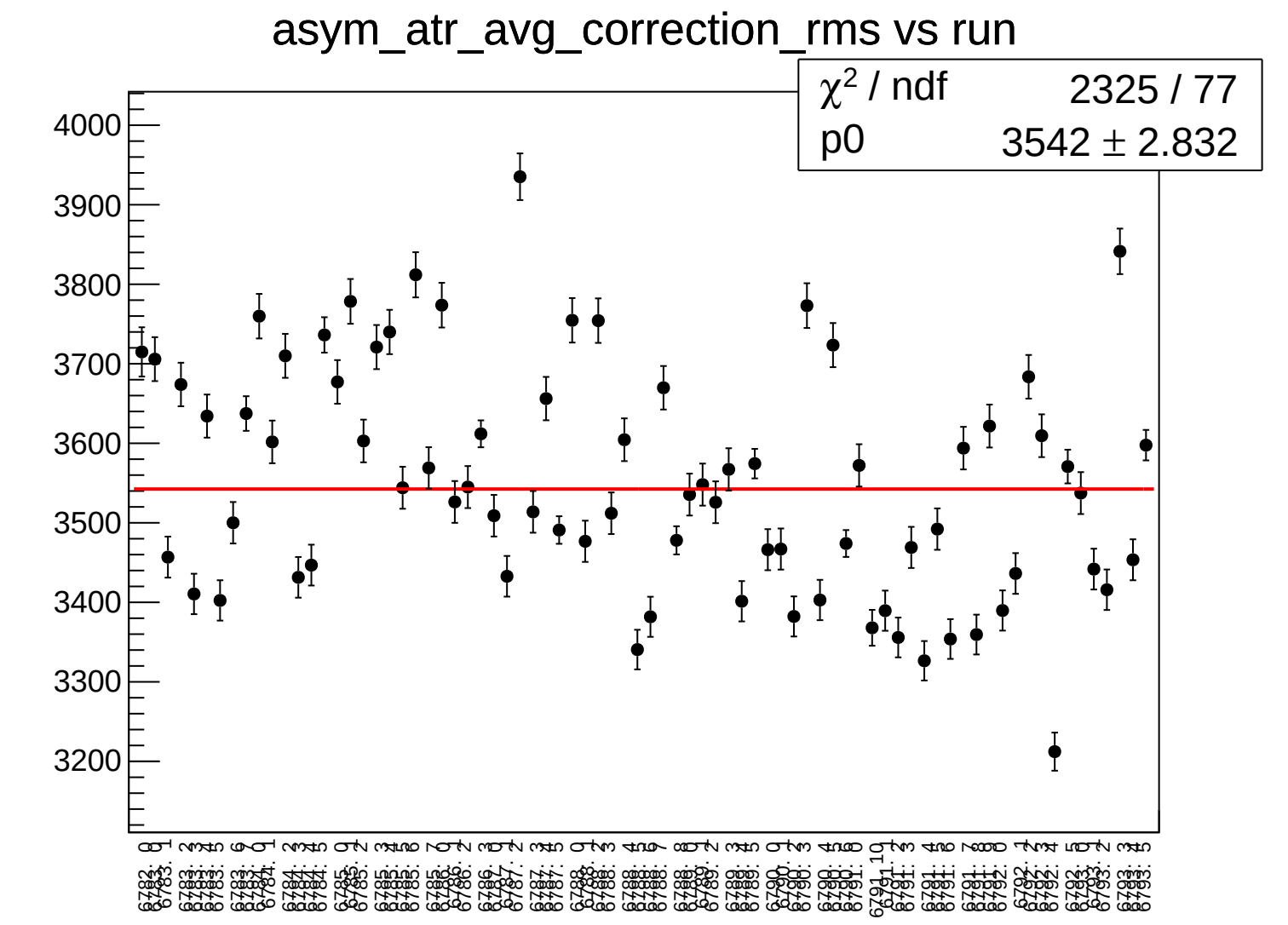

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 79.39 / 77
p0 −1727 ± 2198
50
0
−50
−100
−150
pull
Entries 78
Mean 293.7
Std Dev 241.3
2
1
0
−1
−2

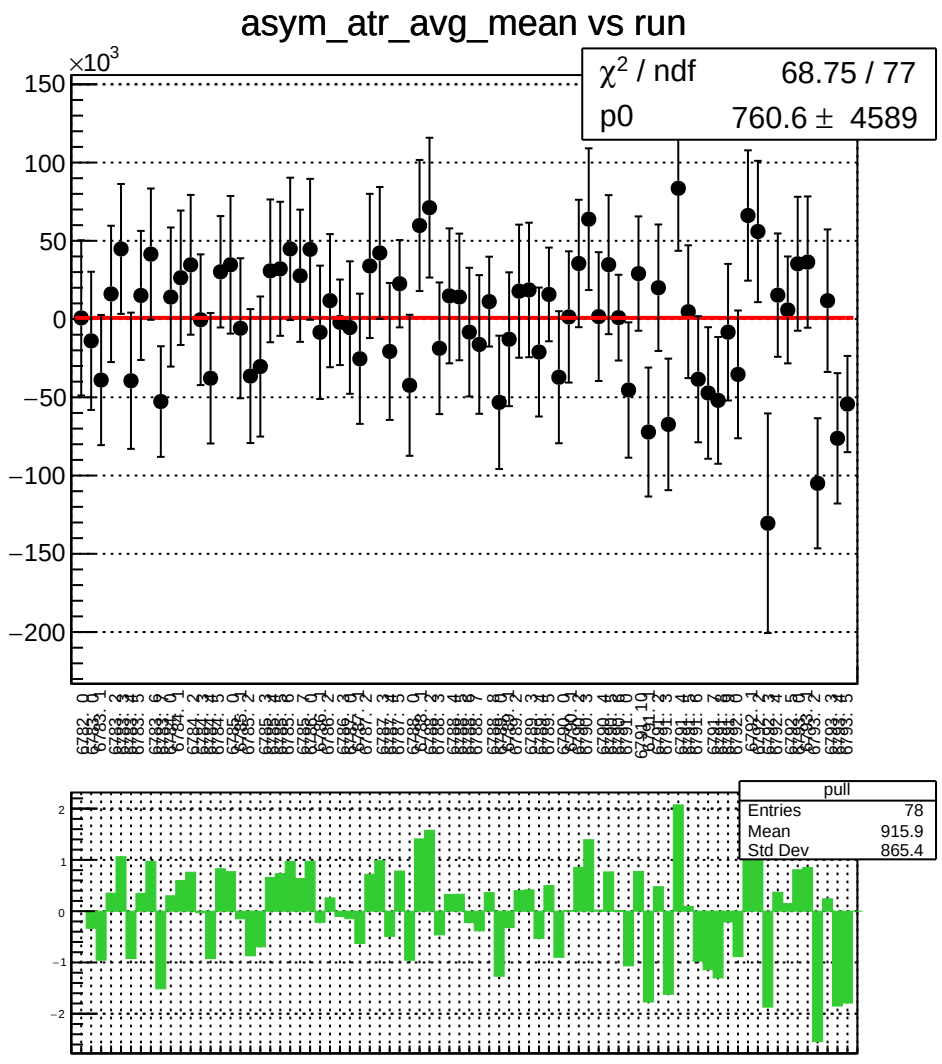

pull1D
Entries 78
Mean −0.01914
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

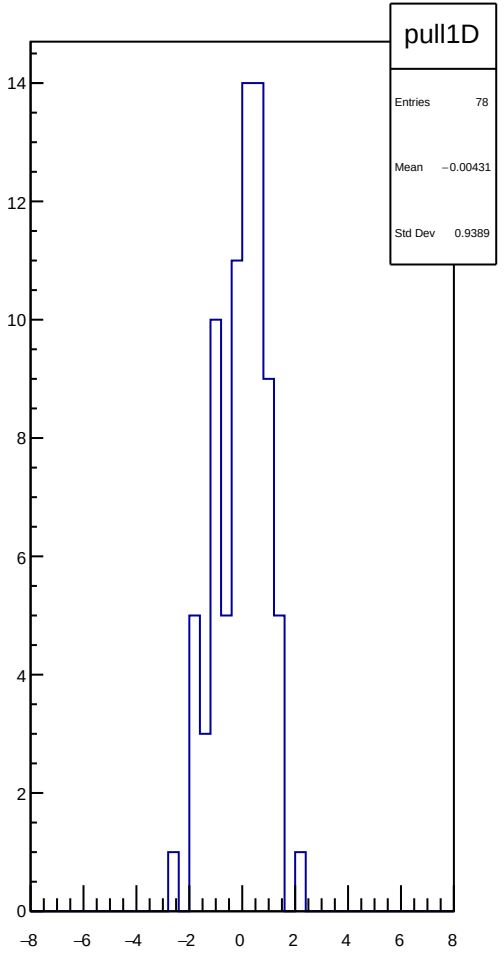

dit_asym_atr_avg_rms vs run
χ^2 / ndf 7829 / 77
p0 1941 ± 1.554
6000
5500
5000
4500
4000
3500
3000
2500
2000

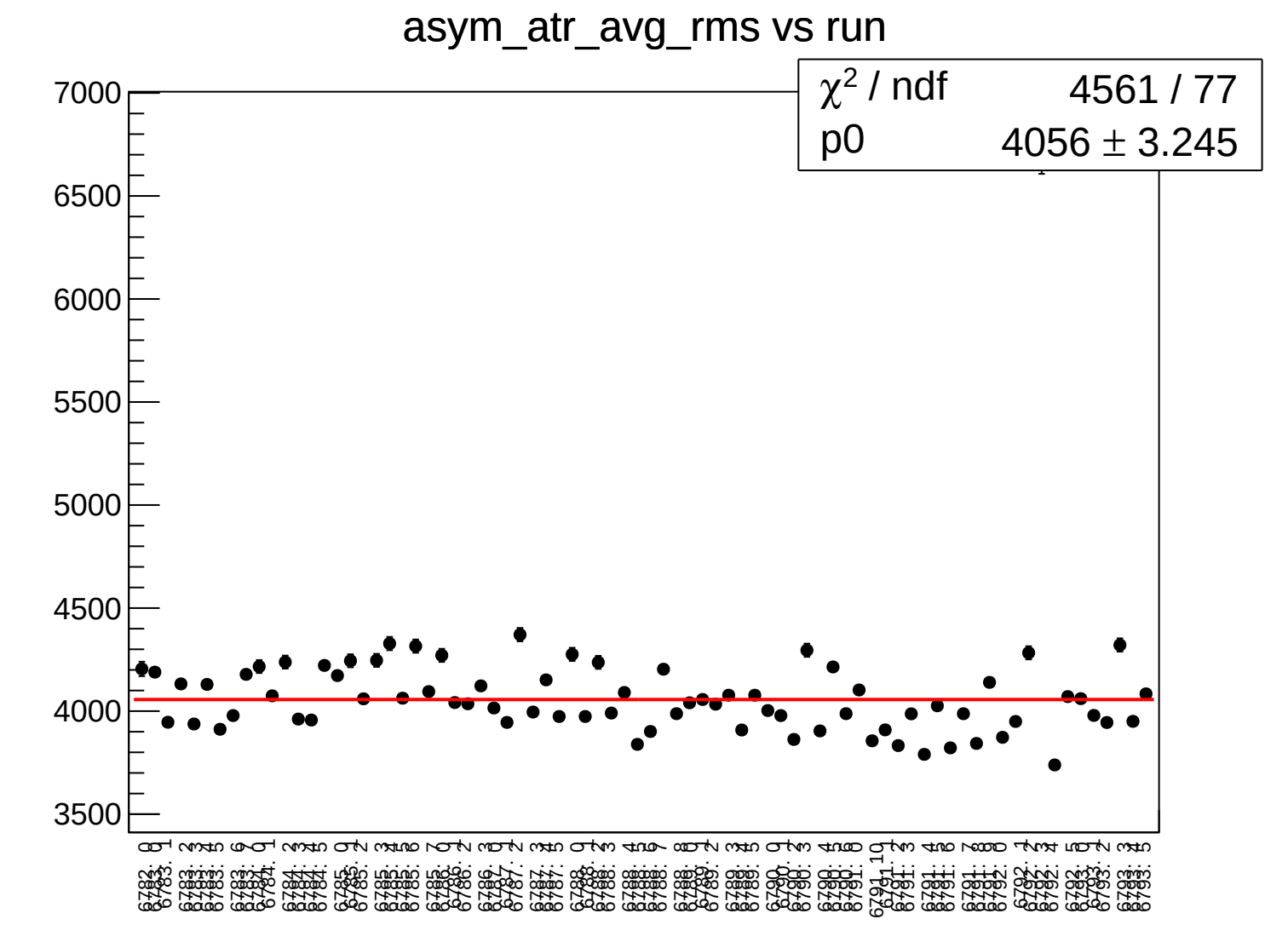

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 65.08 / 77
p0 −2809 ± 4004
150
100
50
0
−50
−100
pull
Entries 78
Mean −180.2
Std Dev 227.3
2
1
0
−1
−2

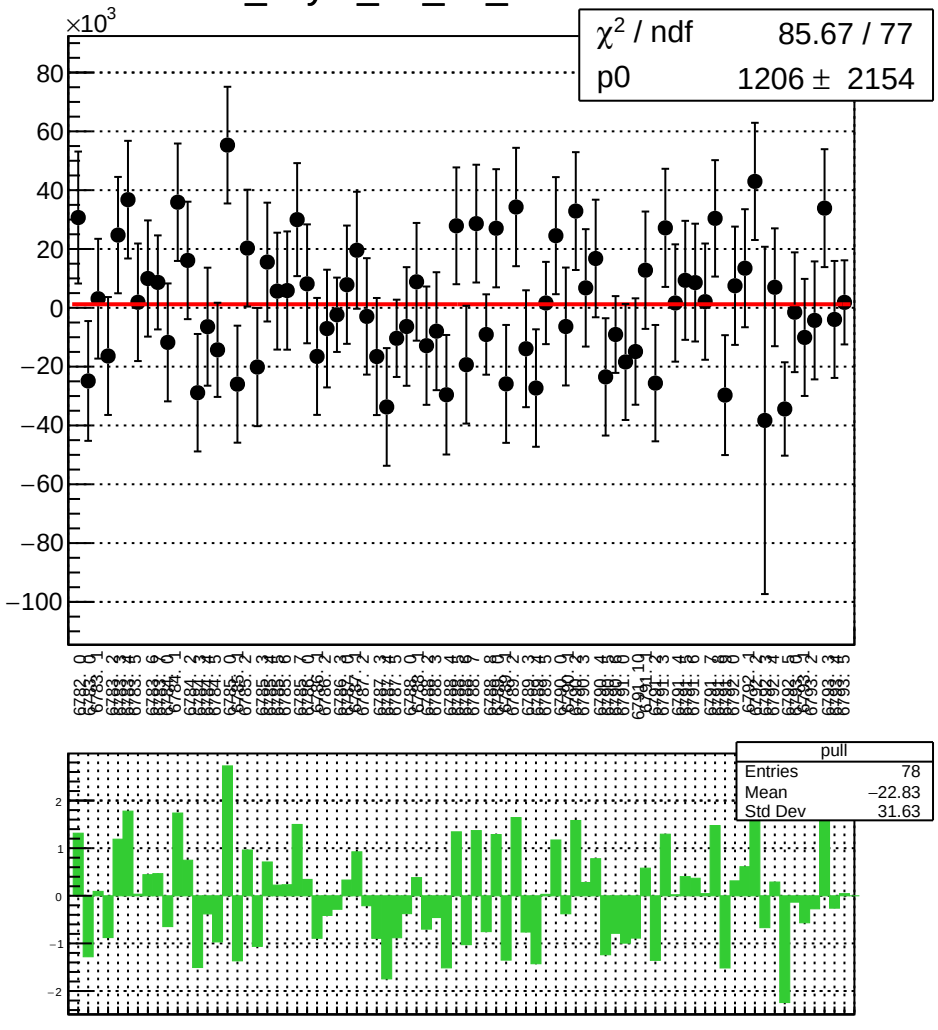

pull1D
Entries 78
Mean −0.006413
Std Dev 0.9134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

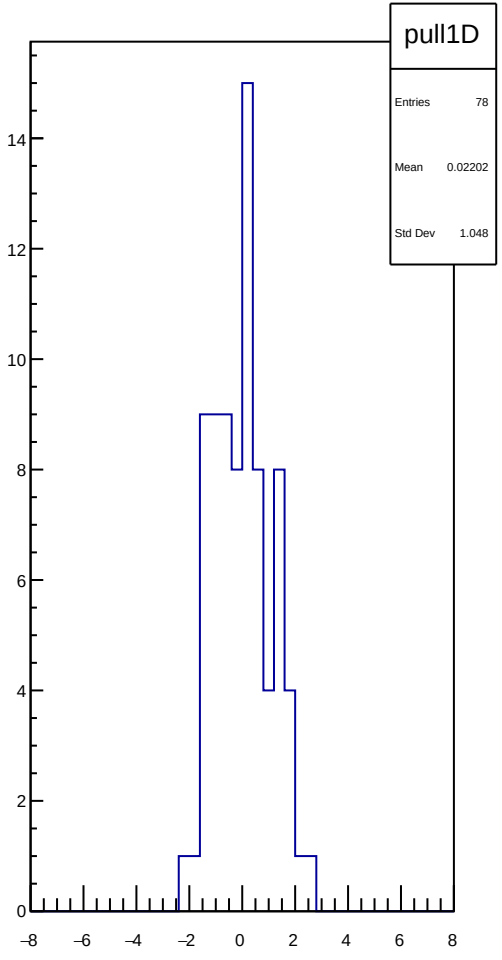

asym_atr_avg_correction_rms vs run
χ² / ndf 2325 / 77
p0 3542 ± 2.832
4000
3900
3800
3700
3600
3500
3400
3300
3200

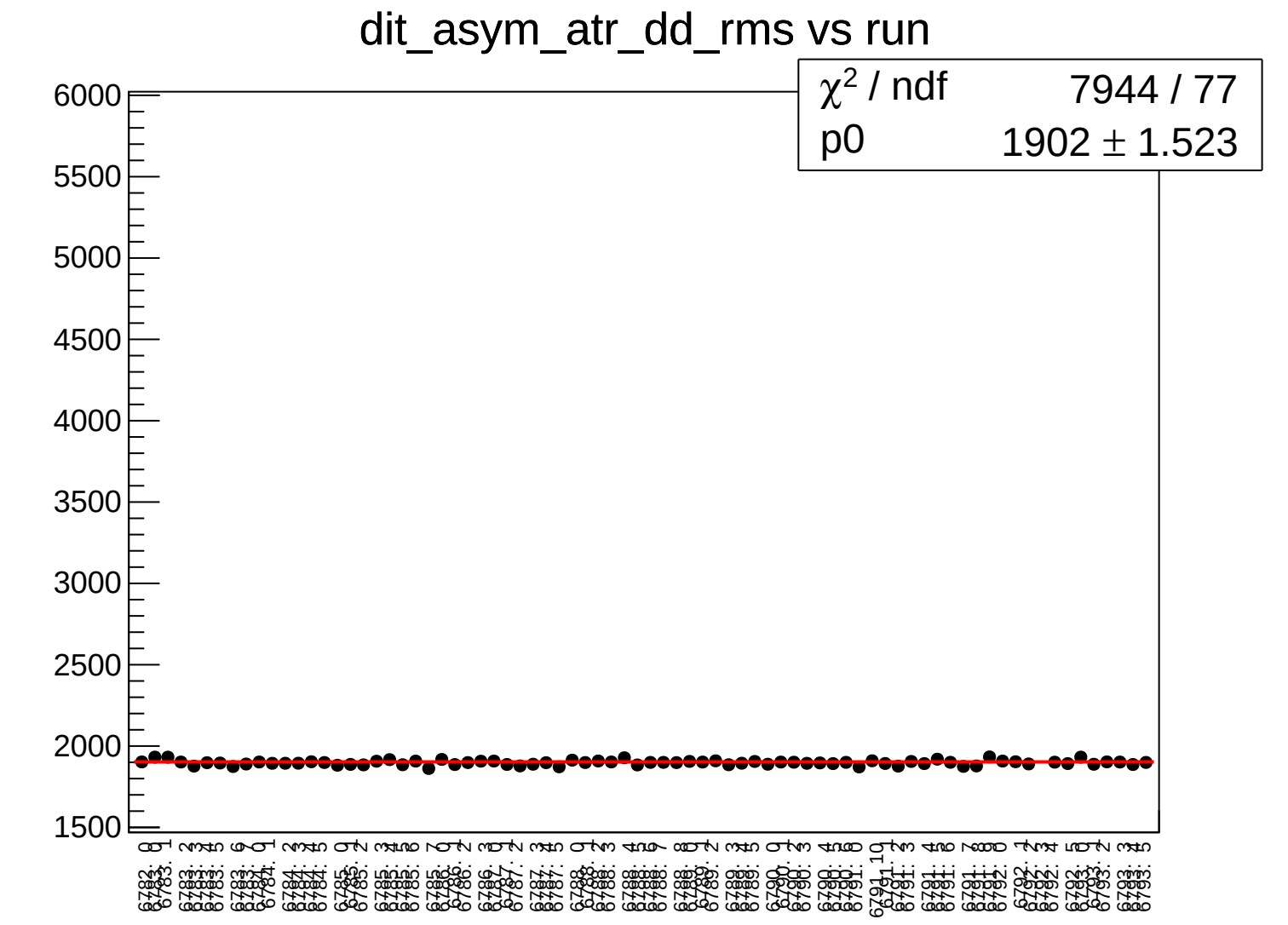

asym_atr_avg_mean vs run
×10^3
χ² / ndf 68.75 / 77
p0 760.6 ± 4589
150
100
50
0
−50
−100
−150
−200
pull
Entries 78
Mean 915.9
Std Dev 865.4
2
1
0
−1
−2

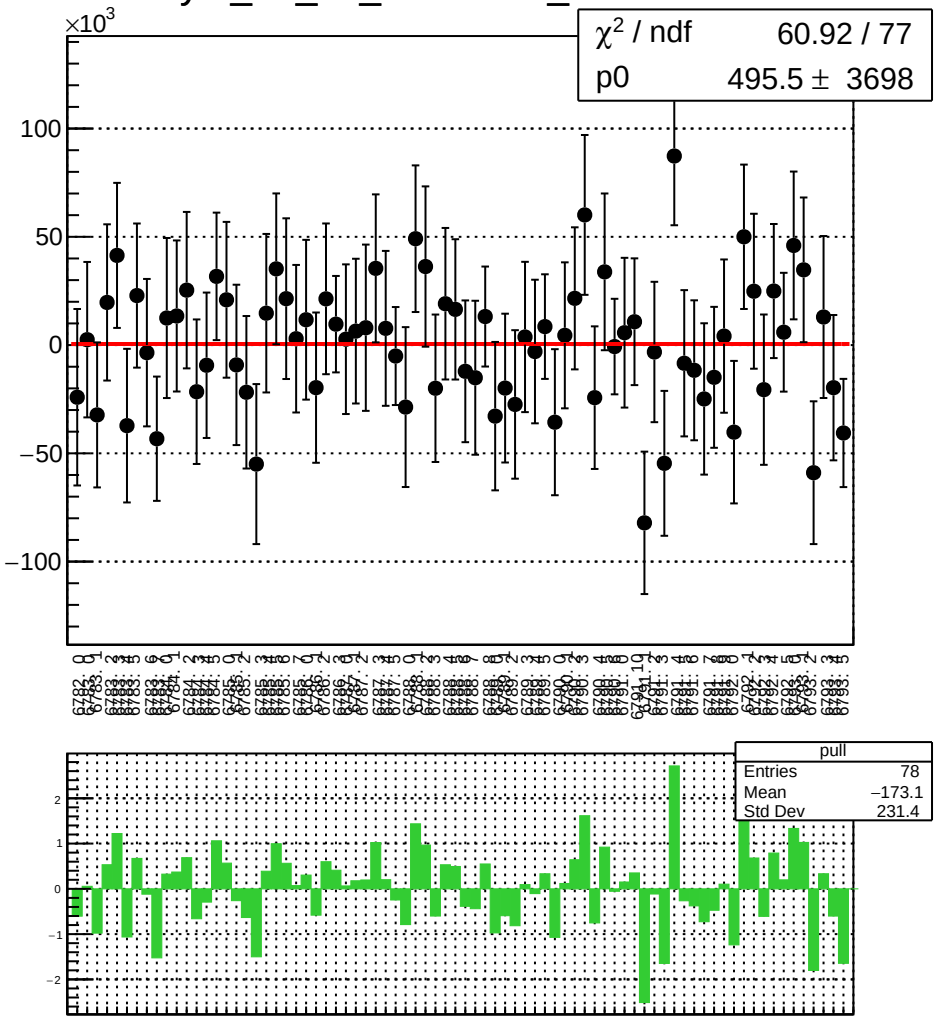

pull1D
Entries 78
Mean −0.00431
Std Dev 0.9389
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

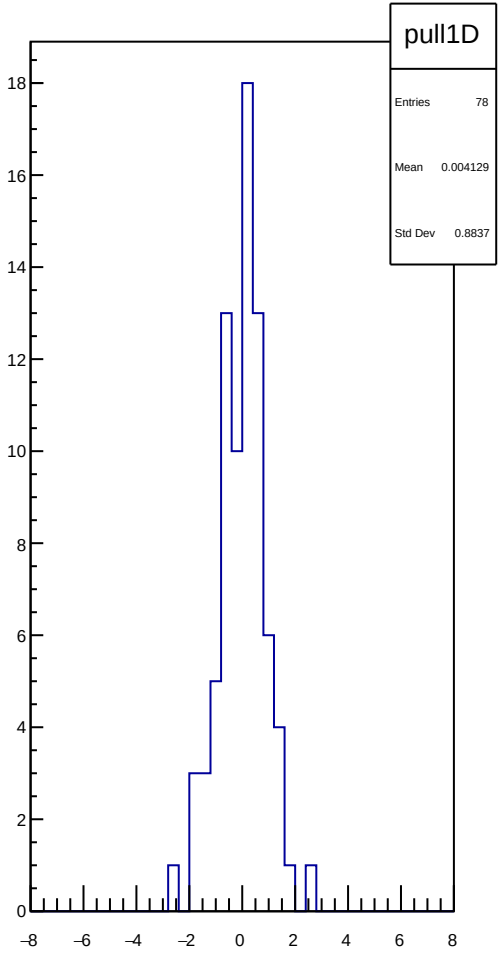

asym_atr_avg_rms vs run
χ² / ndf 4561 / 77
p0 4056 ± 3.245
7000
6500
6000
5500
5000
4500
4000
3500

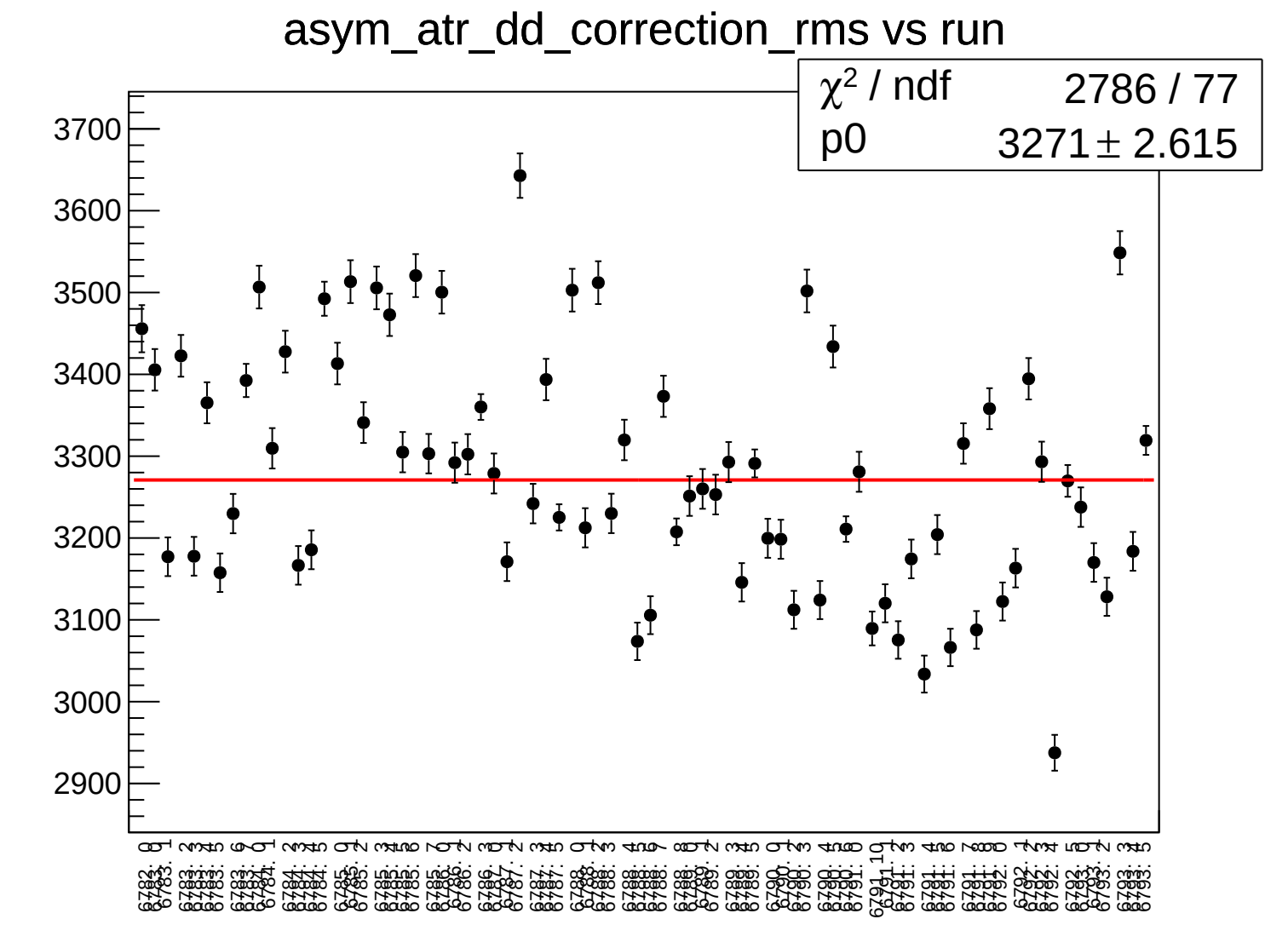

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.67 / 77
p0 1206 ± 2154
pull
Entries 78
Mean −22.83
Std Dev 31.63

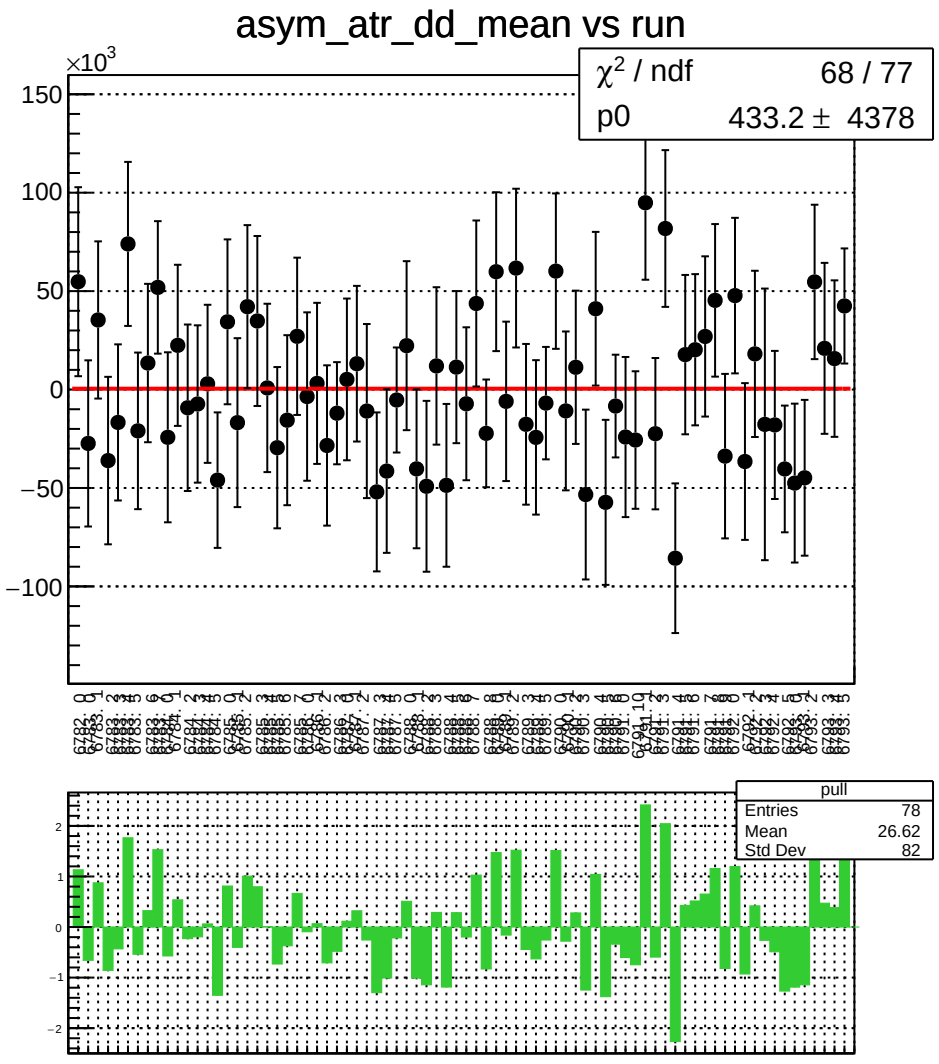

pull1D
Entries 78
Mean 0.02202
Std Dev 1.048

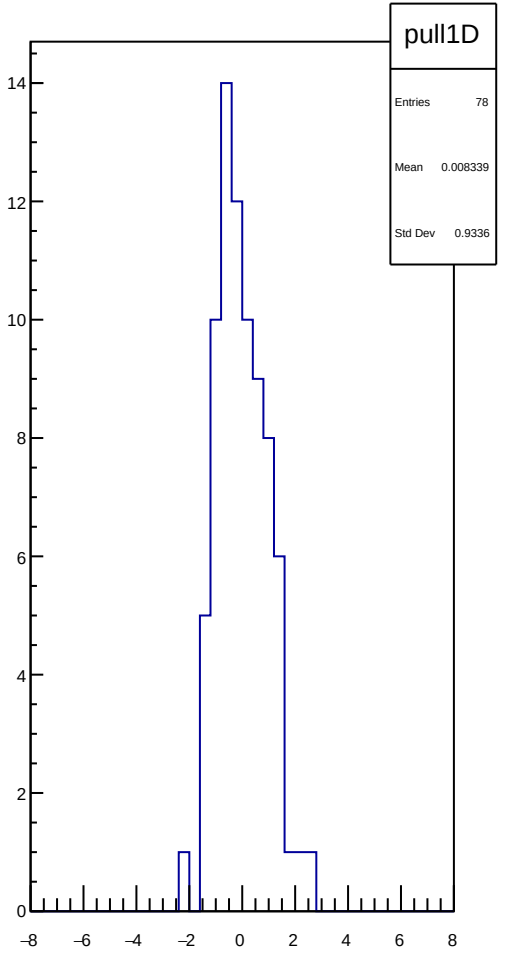

dit_asym_atr_dd_rms vs run
χ^2 / ndf 7944 / 77
p0 1902 ± 1.523
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

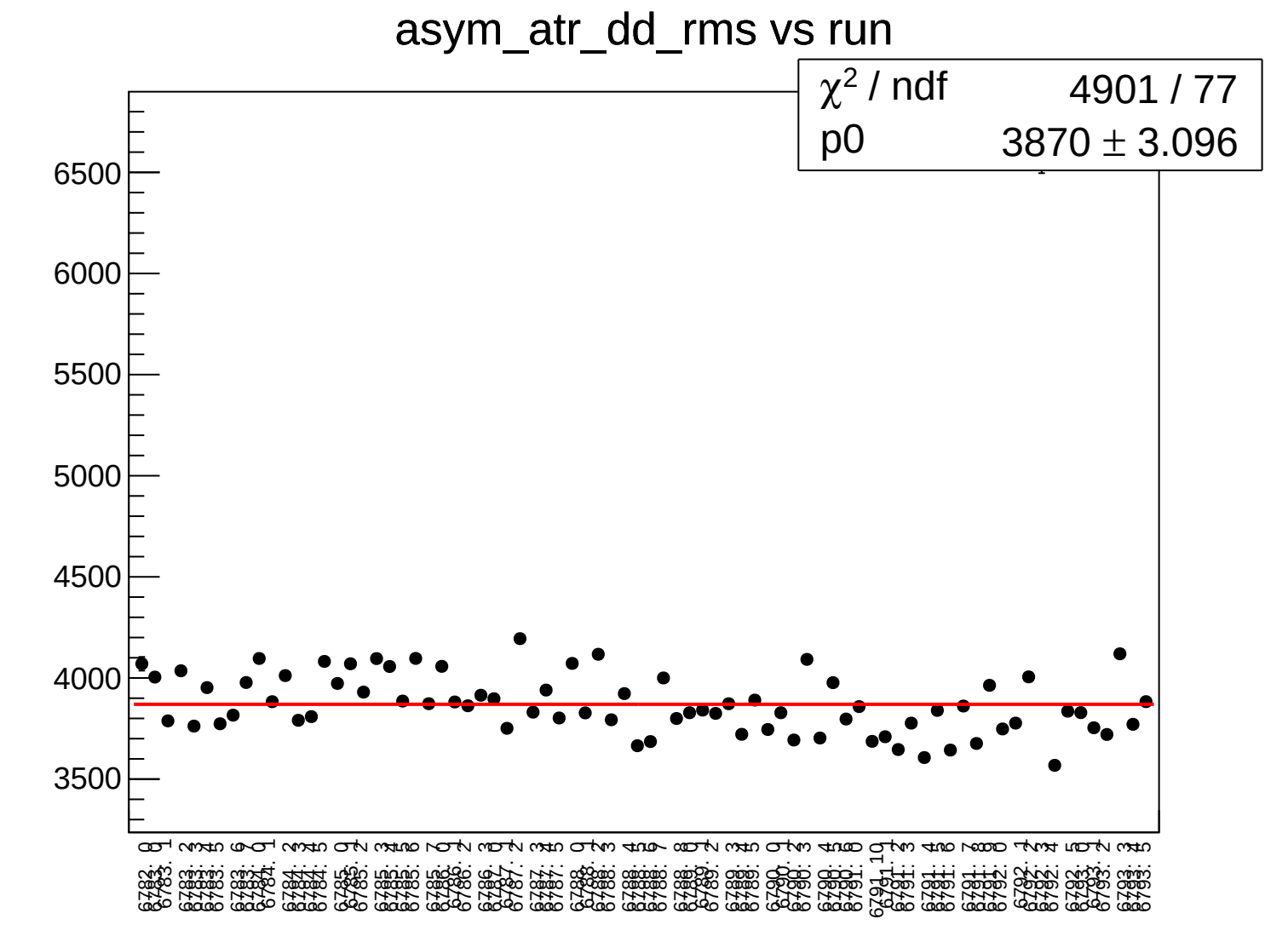

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 60.92 / 77
p0 495.5 ± 3698
100
50
0
−50
−100
pull
Entries 78
Mean −173.1
Std Dev 231.4
2
1
0
−1
−2

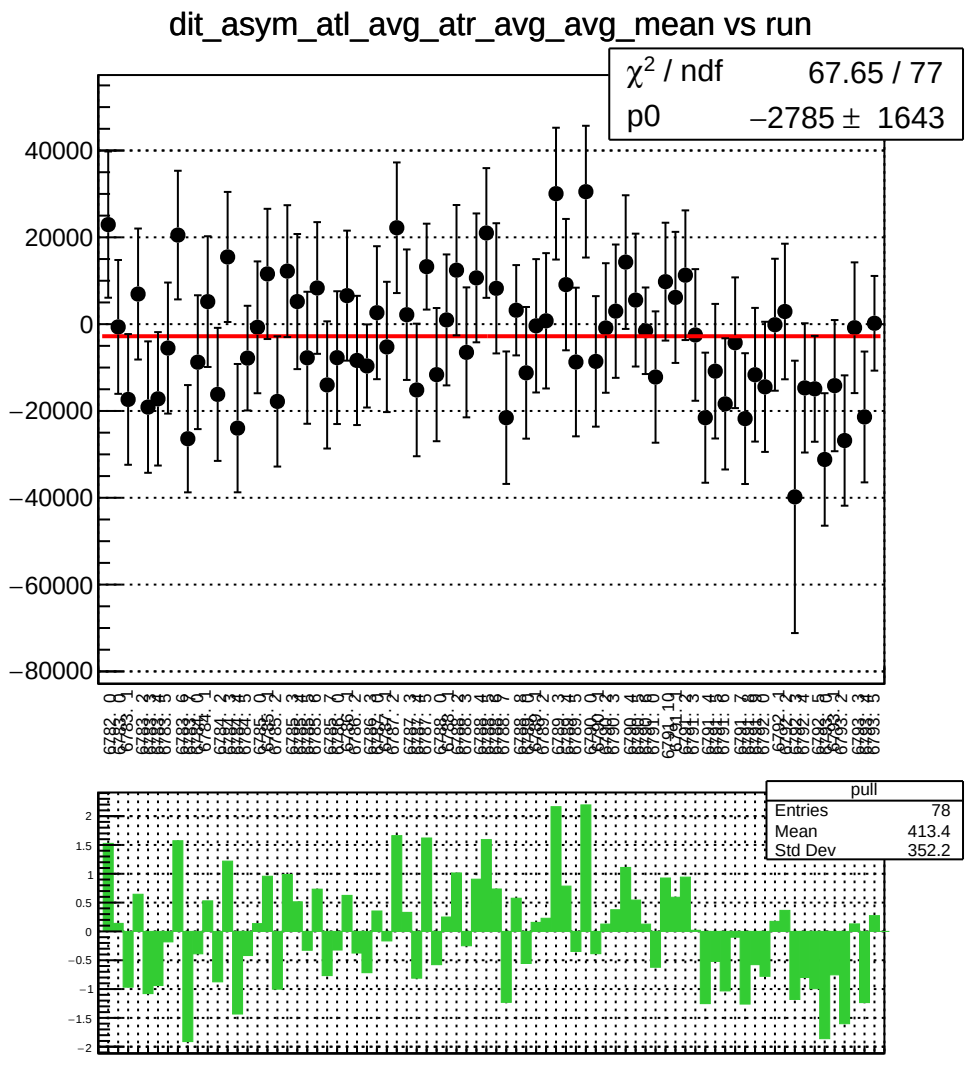

pull1D
Entries 78
Mean 0.004129
Std Dev 0.8837
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

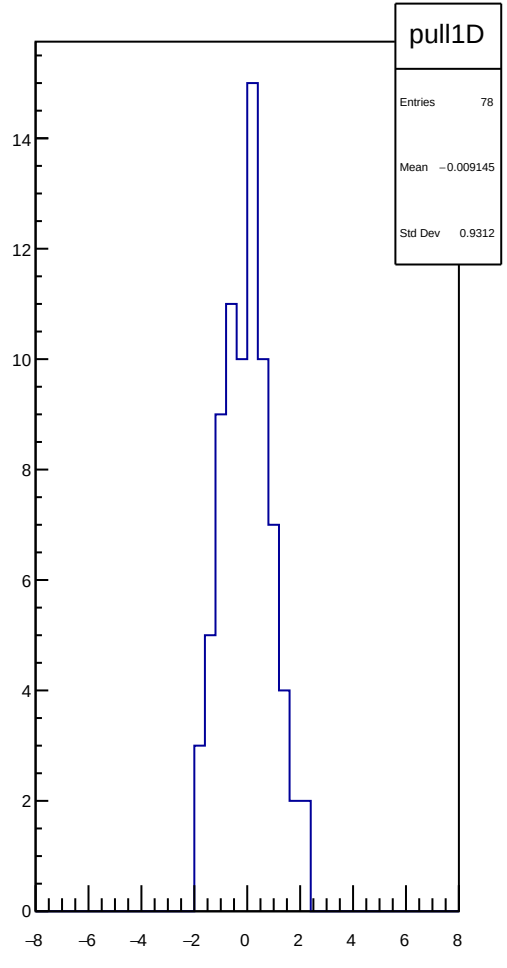

asym_atr_dd_correction_rms vs run
χ² / ndf 2786 / 77
p0 3271 ± 2.615
3700
3600
3500
3400
3300
3200
3100
3000
2900

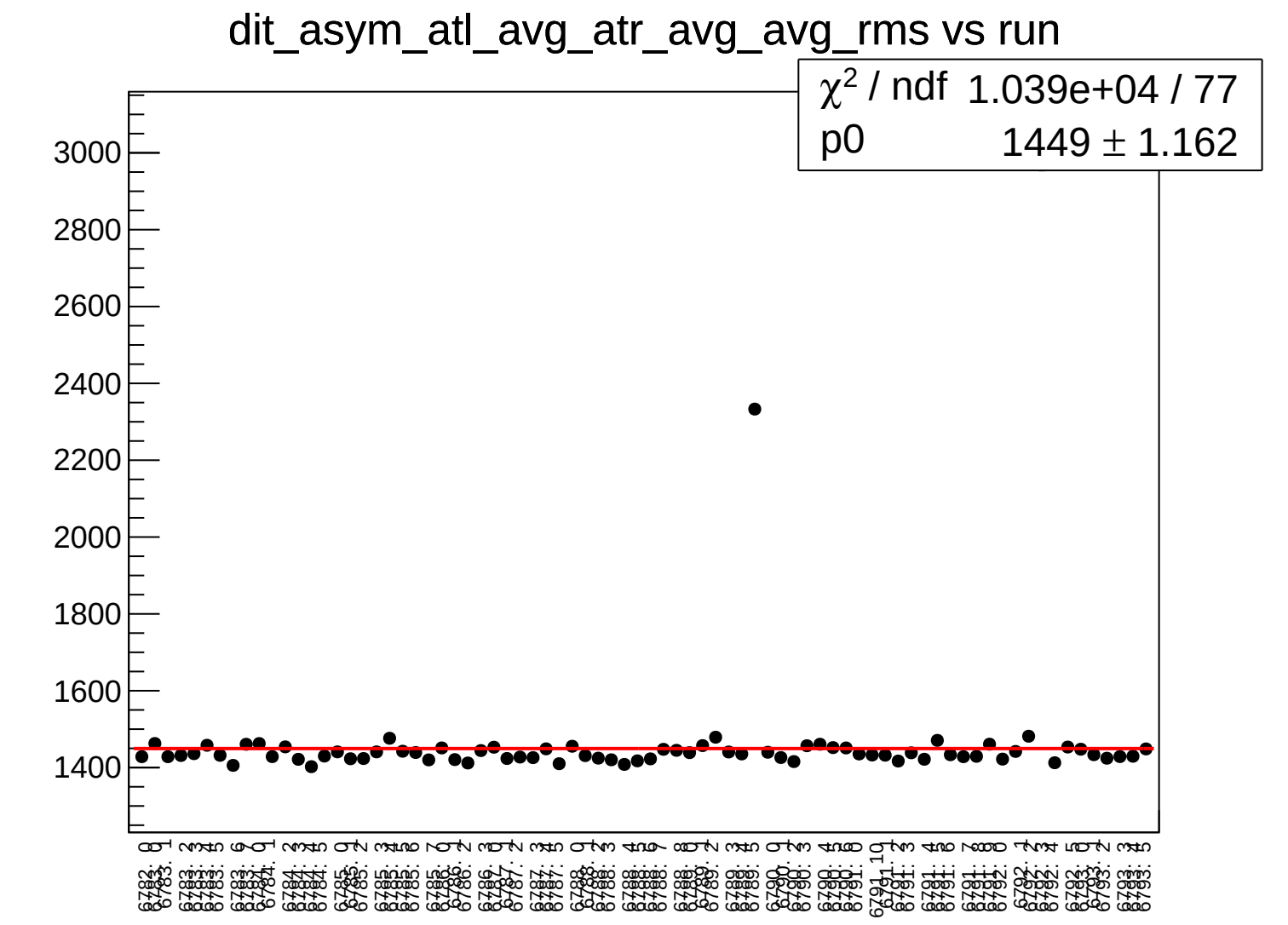

asym_atr_dd_mean vs run
×10^3
χ² / ndf 68 / 77
p0 433.2 ± 4378
150
100
50
0
−50
−100
pull
Entries 78
Mean 26.62
Std Dev 82
2
1
0
−1
−2

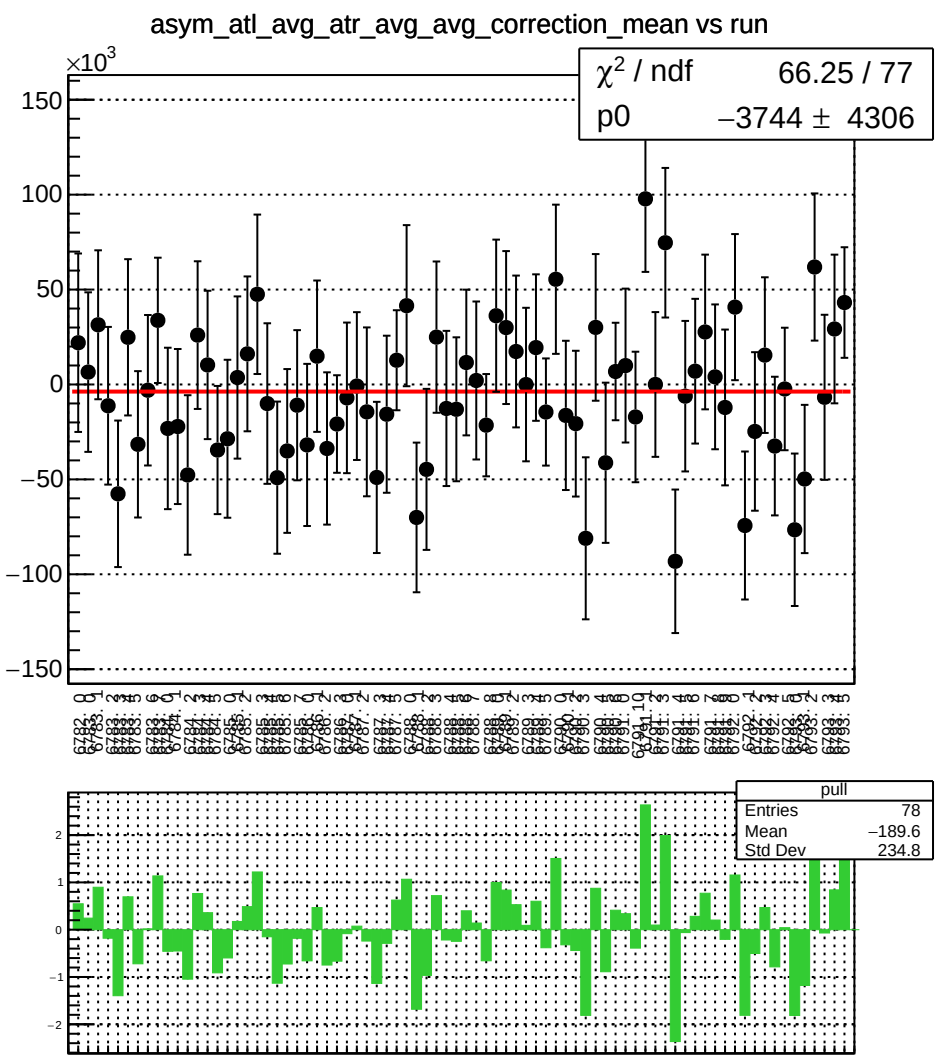

pull1D
Entries 78
Mean 0.008339
Std Dev 0.9336
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

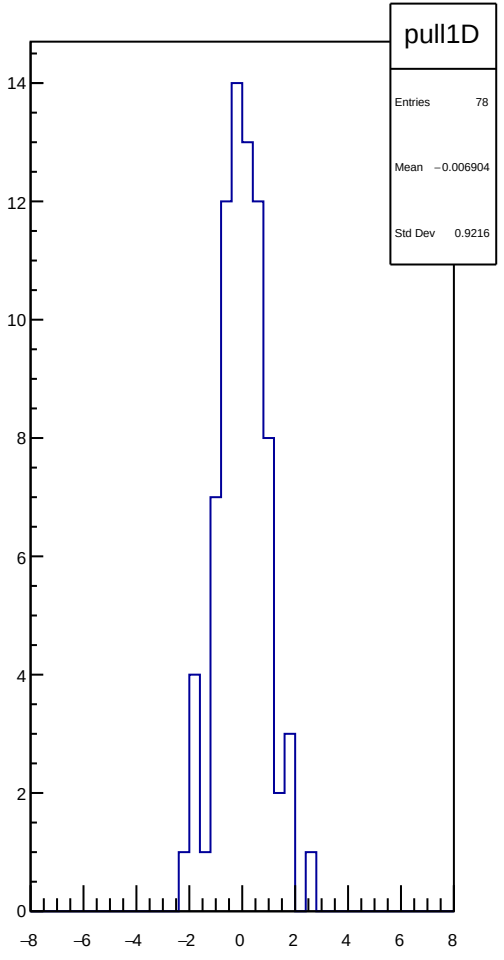

asym_atr_dd_rms vs run
χ^2 / ndf 4901 / 77
p0 3870 ± 3.096
6500
6000
5500
5000
4500
4000
3500

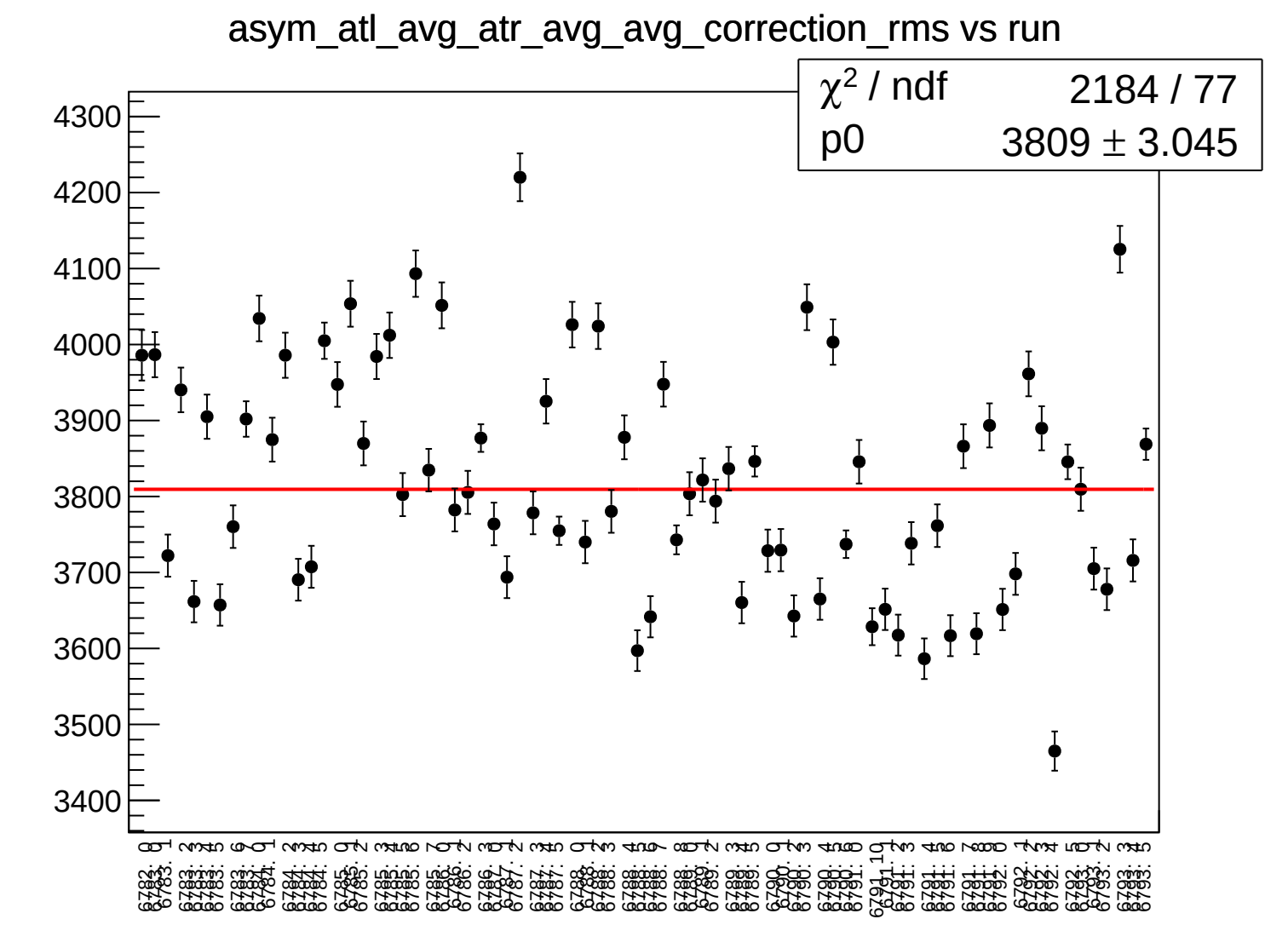

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 67.65 / 77
p0 −2785 ± 1643
pull
Entries 78
Mean 413.4
Std Dev 352.2

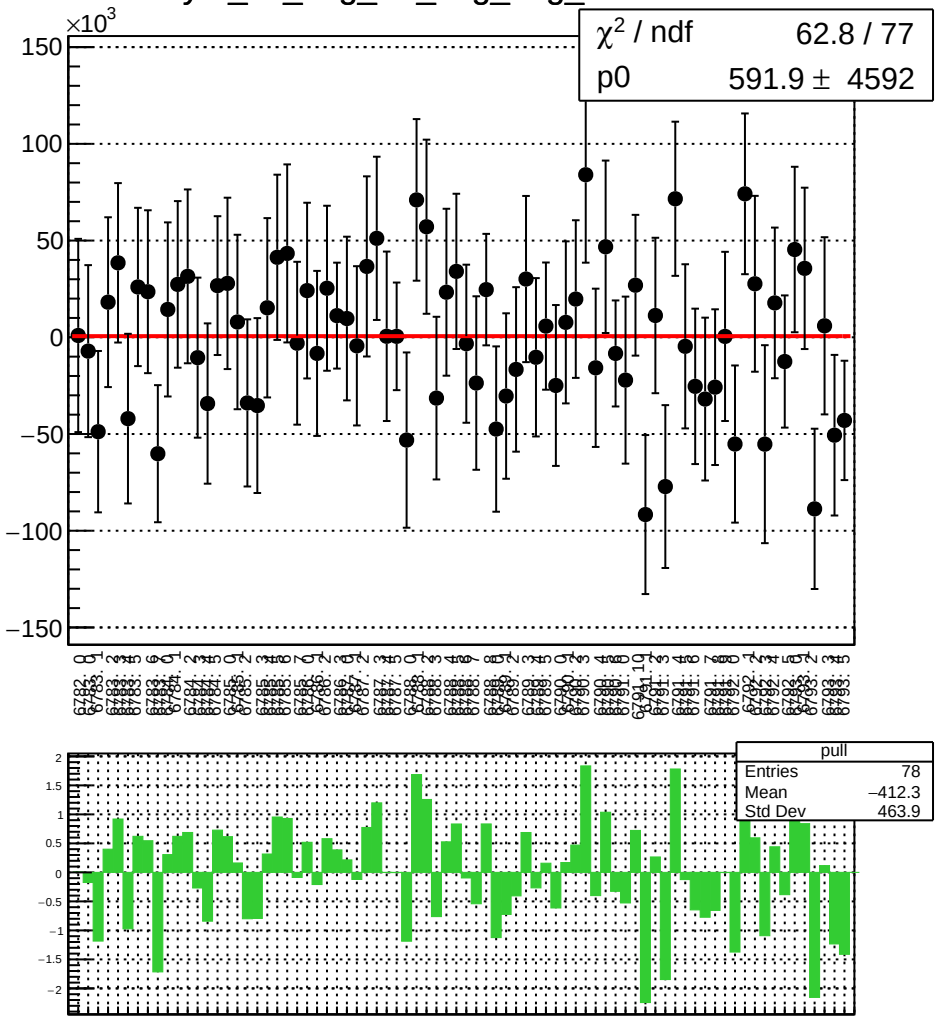

pull1D
Entries 78
Mean −0.009145
Std Dev 0.9312

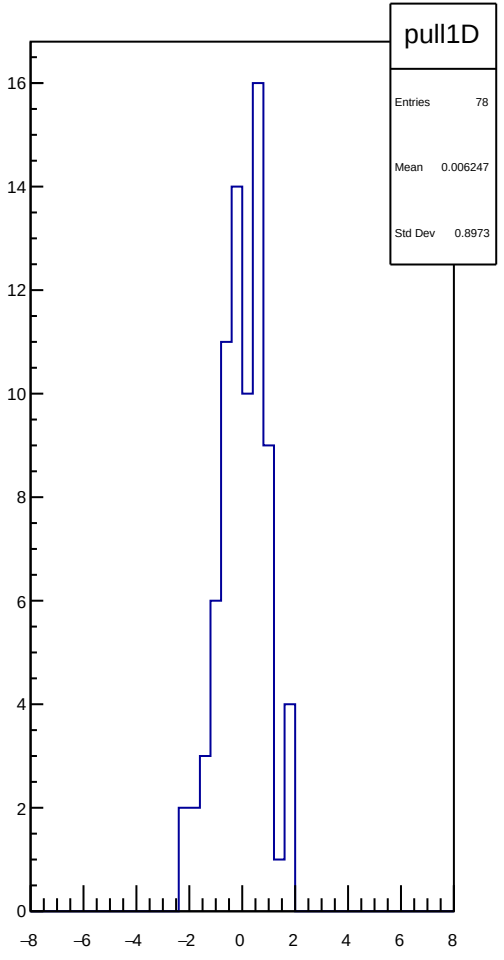

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.039e+04 / 77
p0 1449 ± 1.162
3000
2800
2600
2400
2200
2000
1800
1600
1400

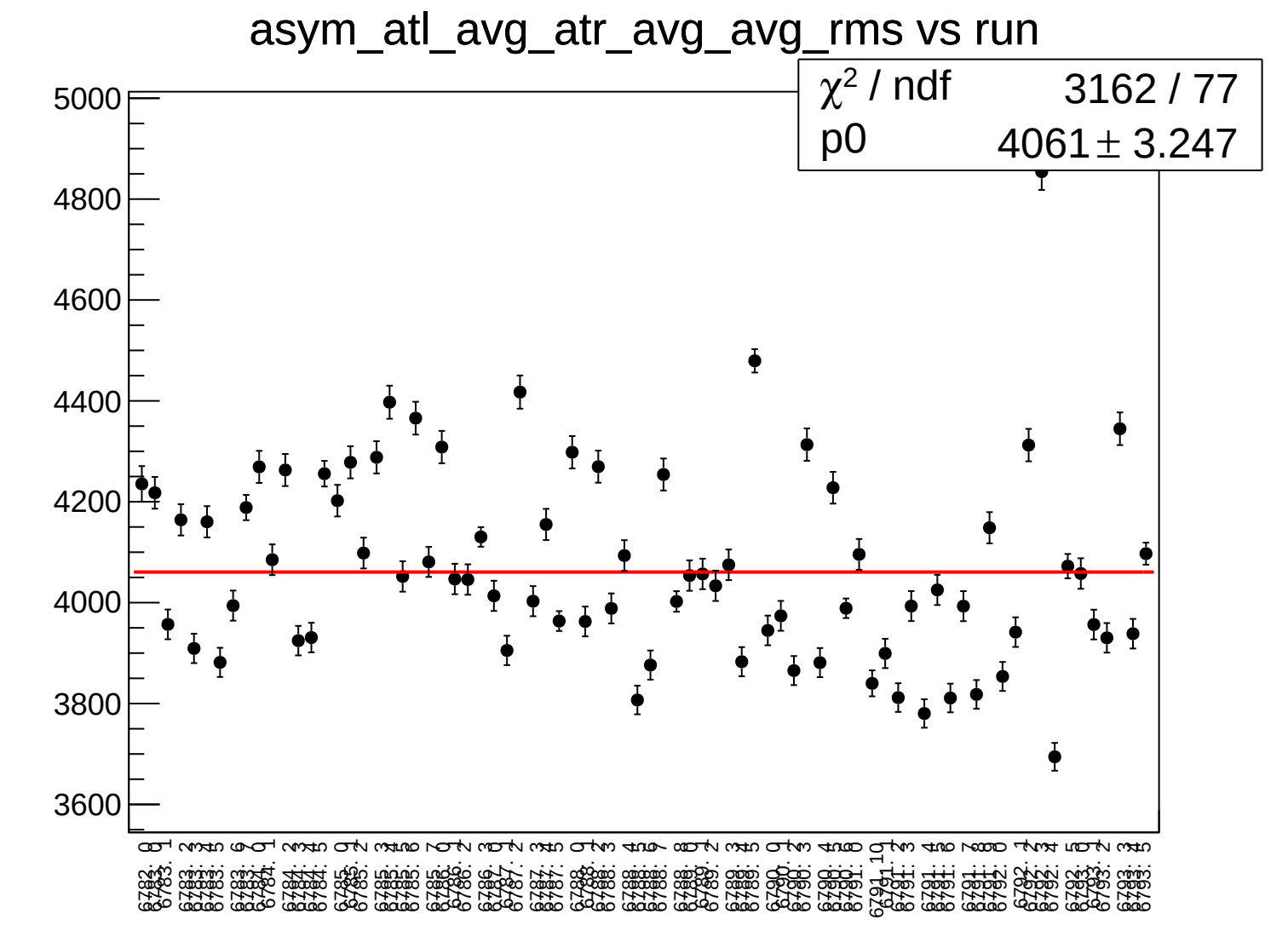

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 66.25 / 77
p0 −3744 ± 4306
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −189.6
Std Dev 234.8
2
1
0
−1
−2

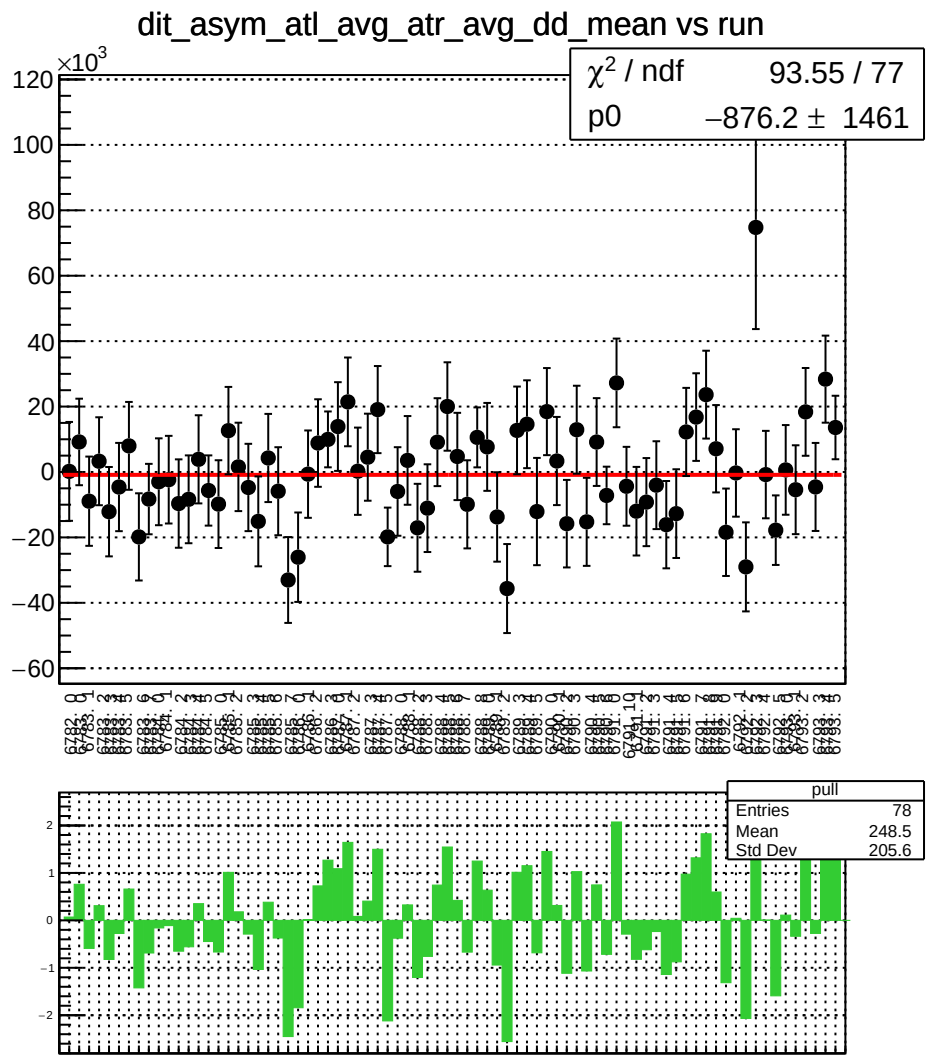

pull1D
Entries 78
Mean −0.006904
Std Dev 0.9216
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

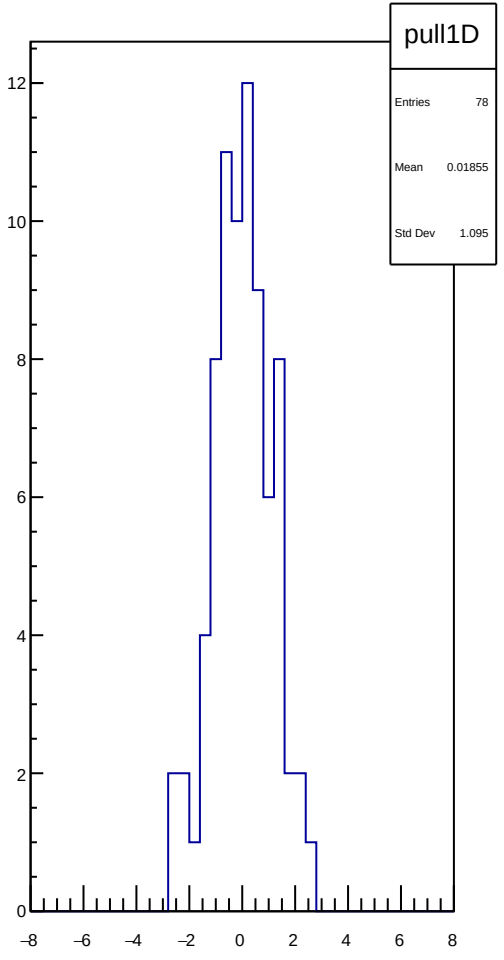

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2184 / 77
p0 3809 ± 3.045
4300
4200
4100
4000
3900
3800
3700
3600
3500
3400

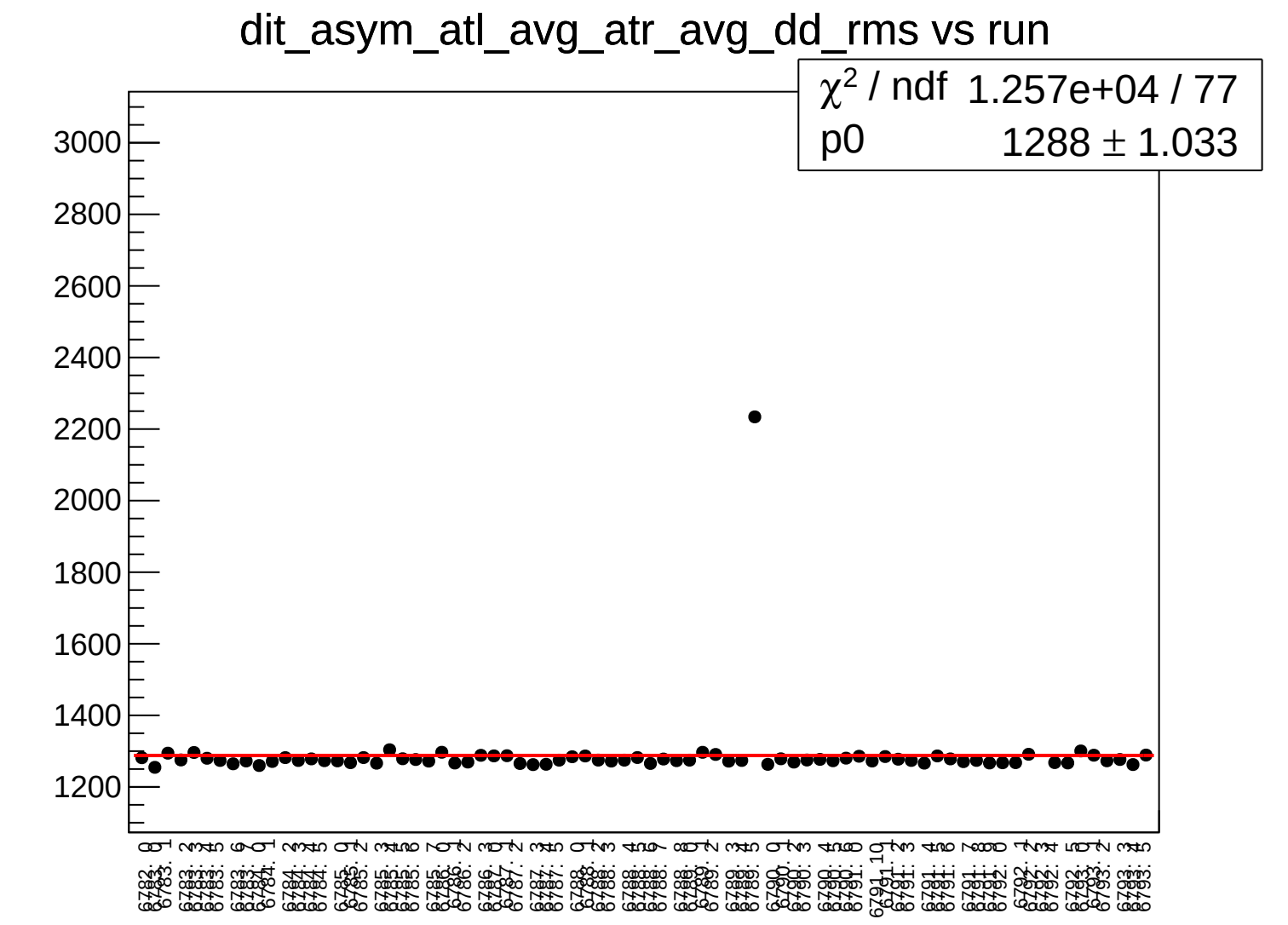

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 62.8 / 77
p0 591.9 ± 4592
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −412.3
Std Dev 463.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

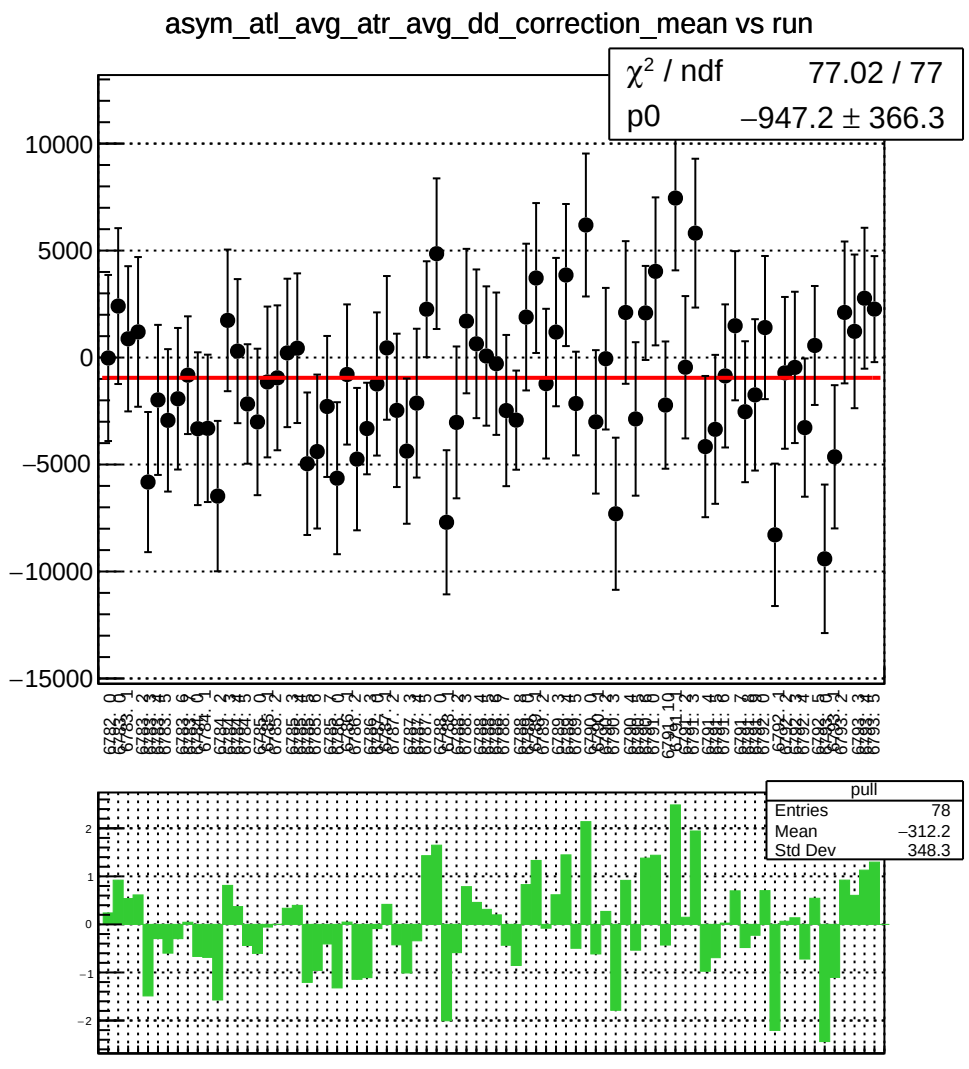

pull1D
Entries 78
Mean 0.006247
Std Dev 0.8973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

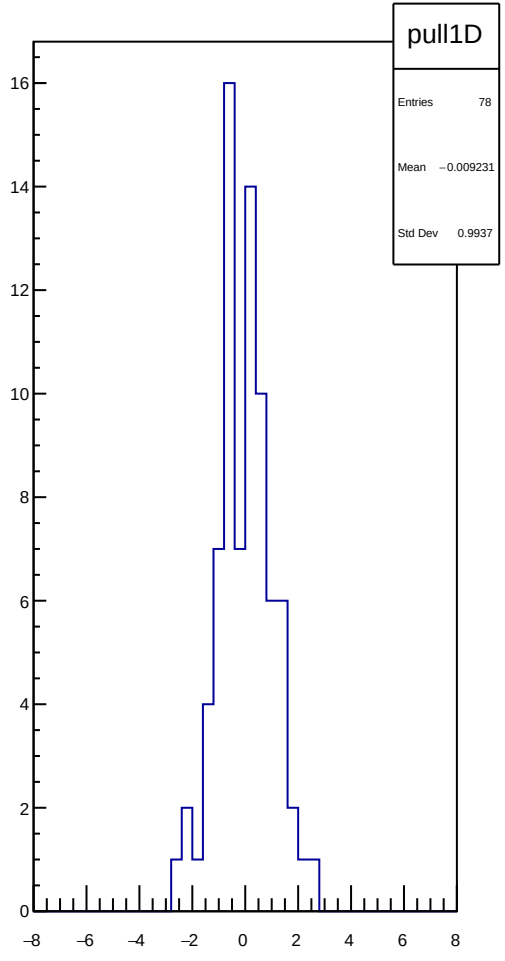

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3162 / 77
p0 4061 ± 3.247
5000
4800
4600
4400
4200
4000
3800
3600

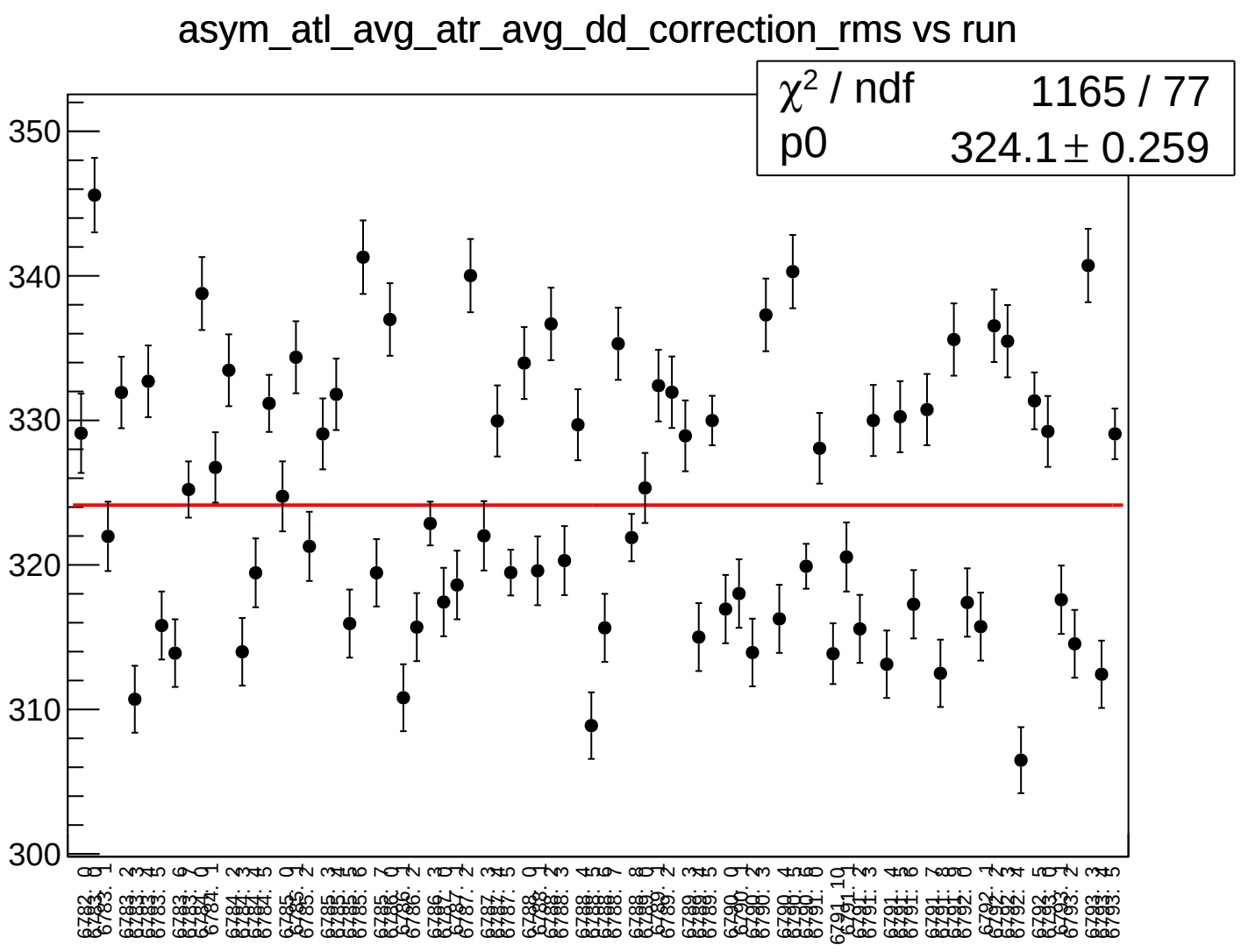

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 93.55 / 77
p0 −876.2 ± 1461
pull
Entries 78
Mean 248.5
Std Dev 205.6

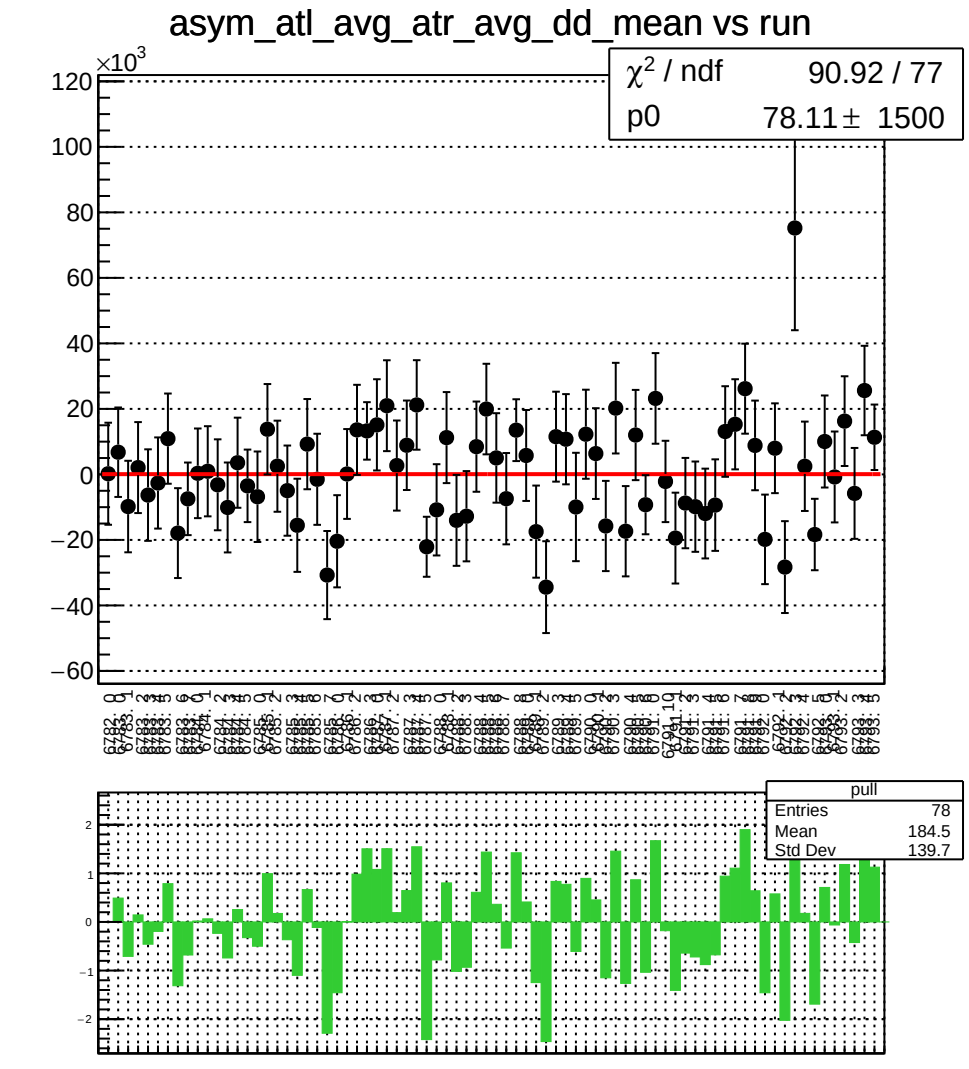

pull1D
Entries 78
Mean 0.01855
Std Dev 1.095

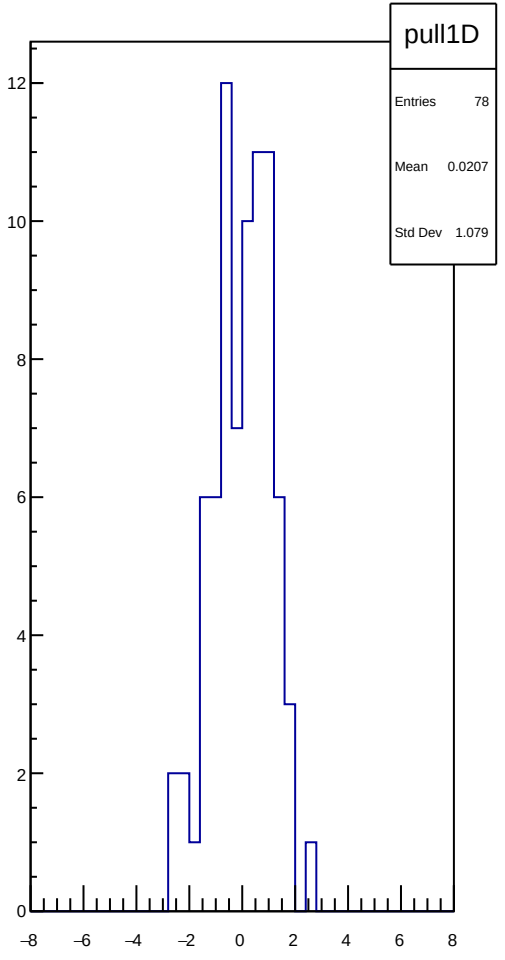

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.257e+04 / 77
p0 1288 ± 1.033
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

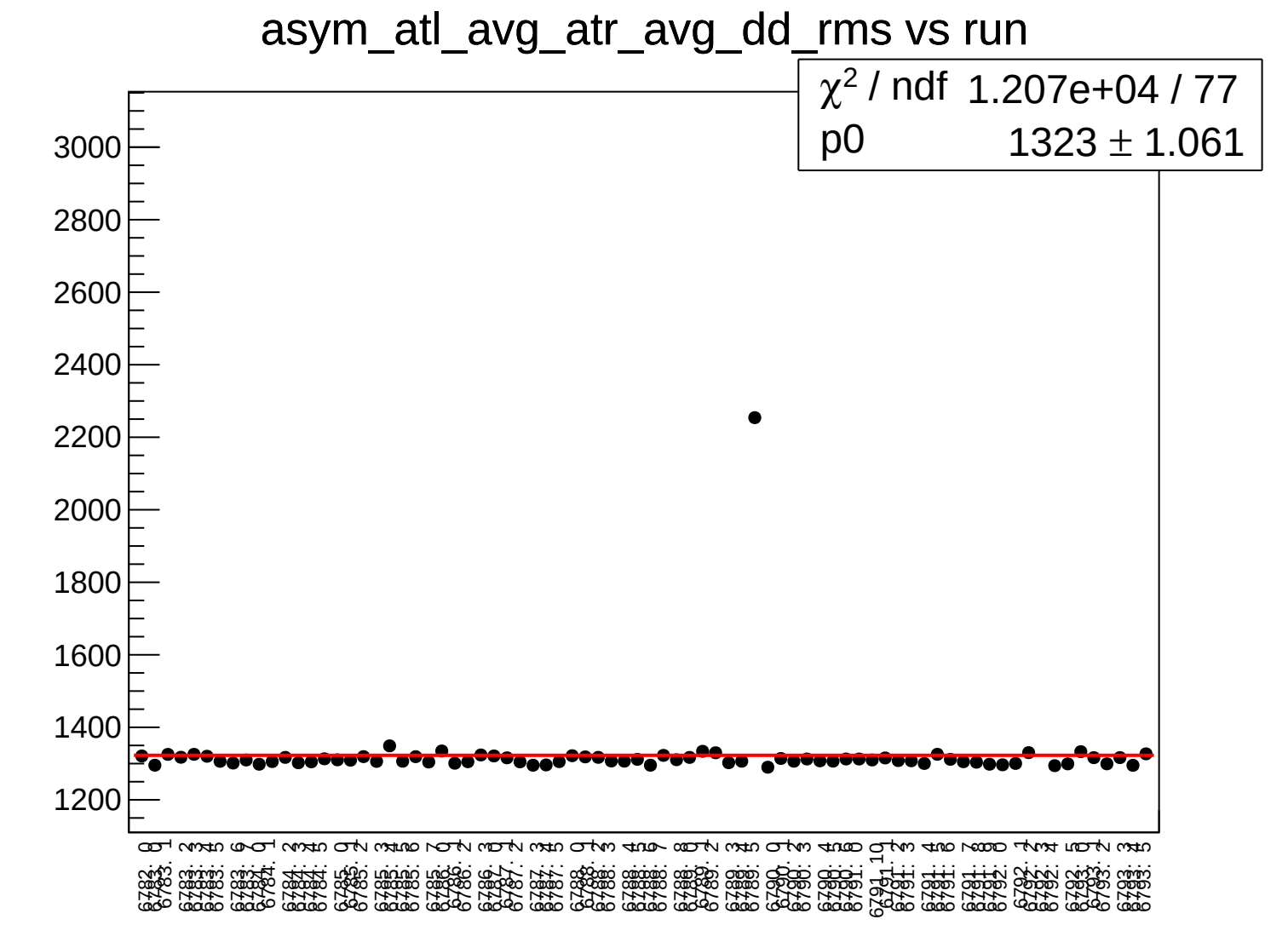

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 77.02 / 77
p0 −947.2 ± 366.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −312.2
Std Dev 348.3
2
1
0
−1
−2

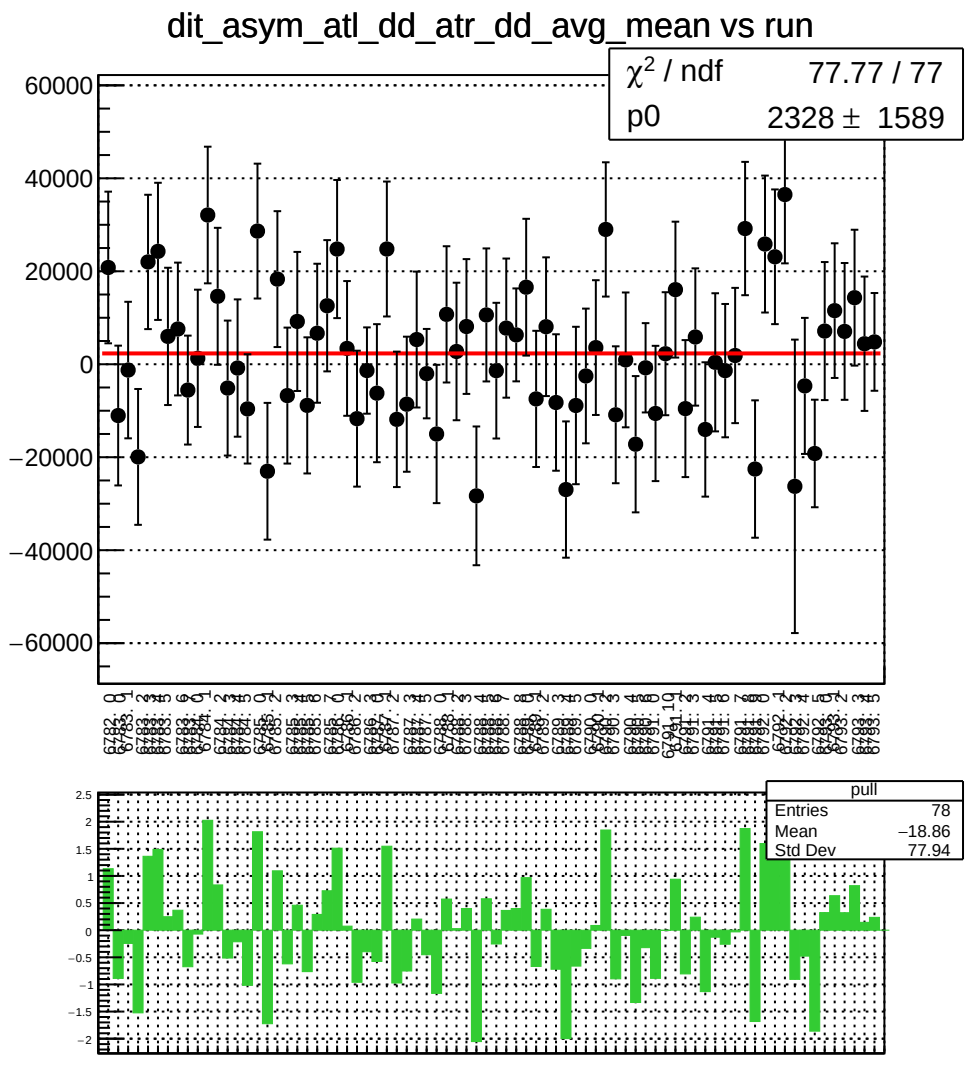

pull1D
Entries 78
Mean −0.009231
Std Dev 0.9937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

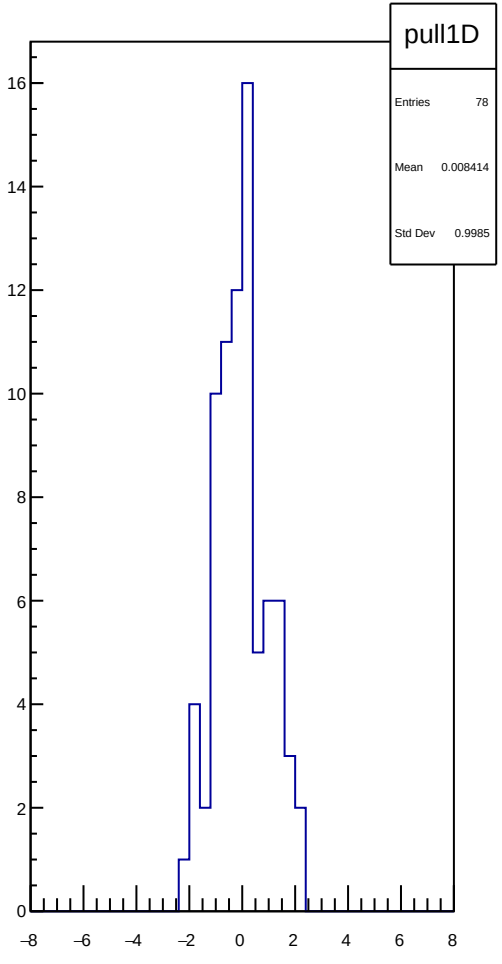

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1165 / 77
p0 324.1 ± 0.259
350
340
330
320
310
300

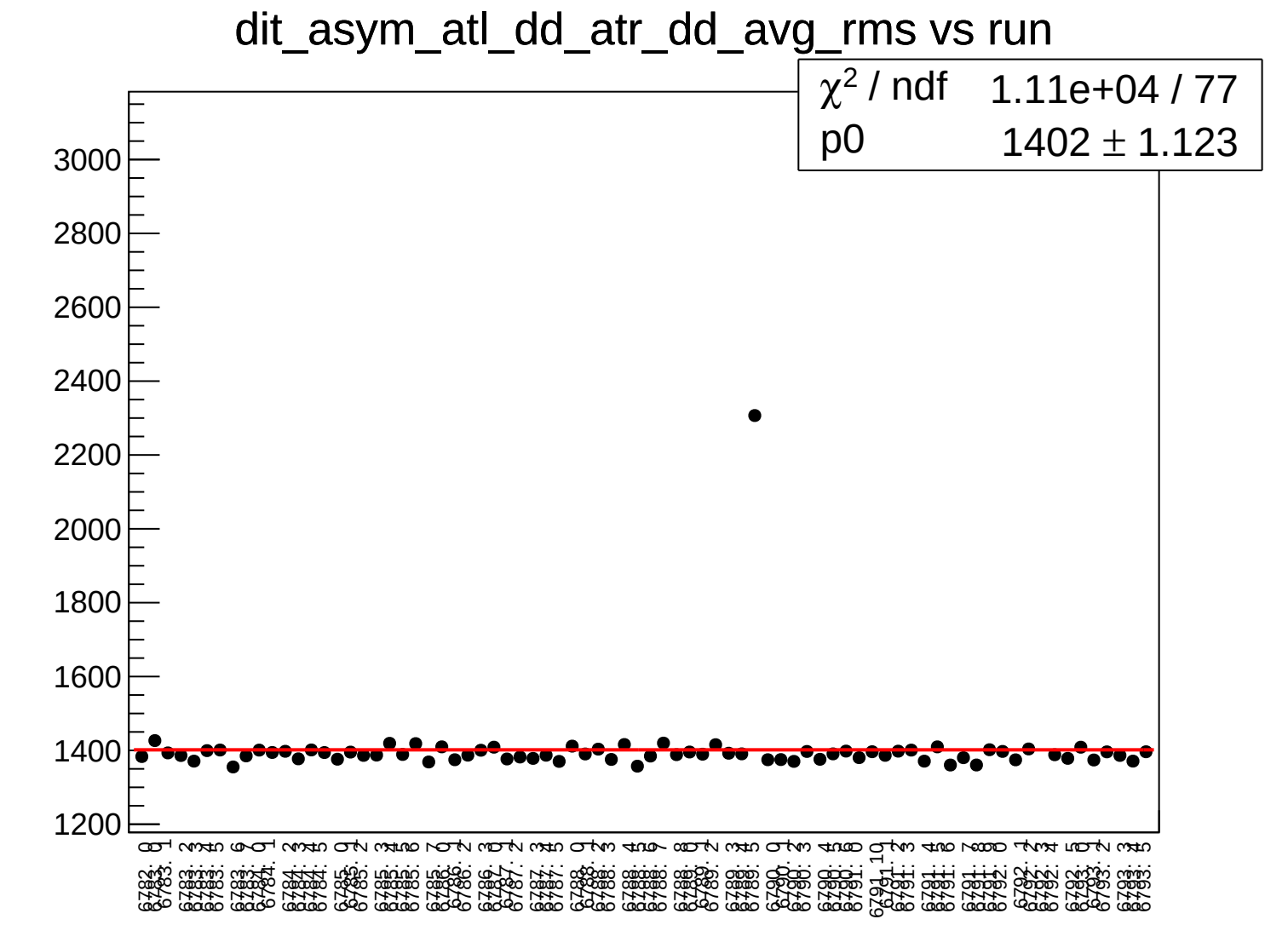

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 90.92 / 77
p0 78.11 ± 1500
pull
Entries 78
Mean 184.5
Std Dev 139.7

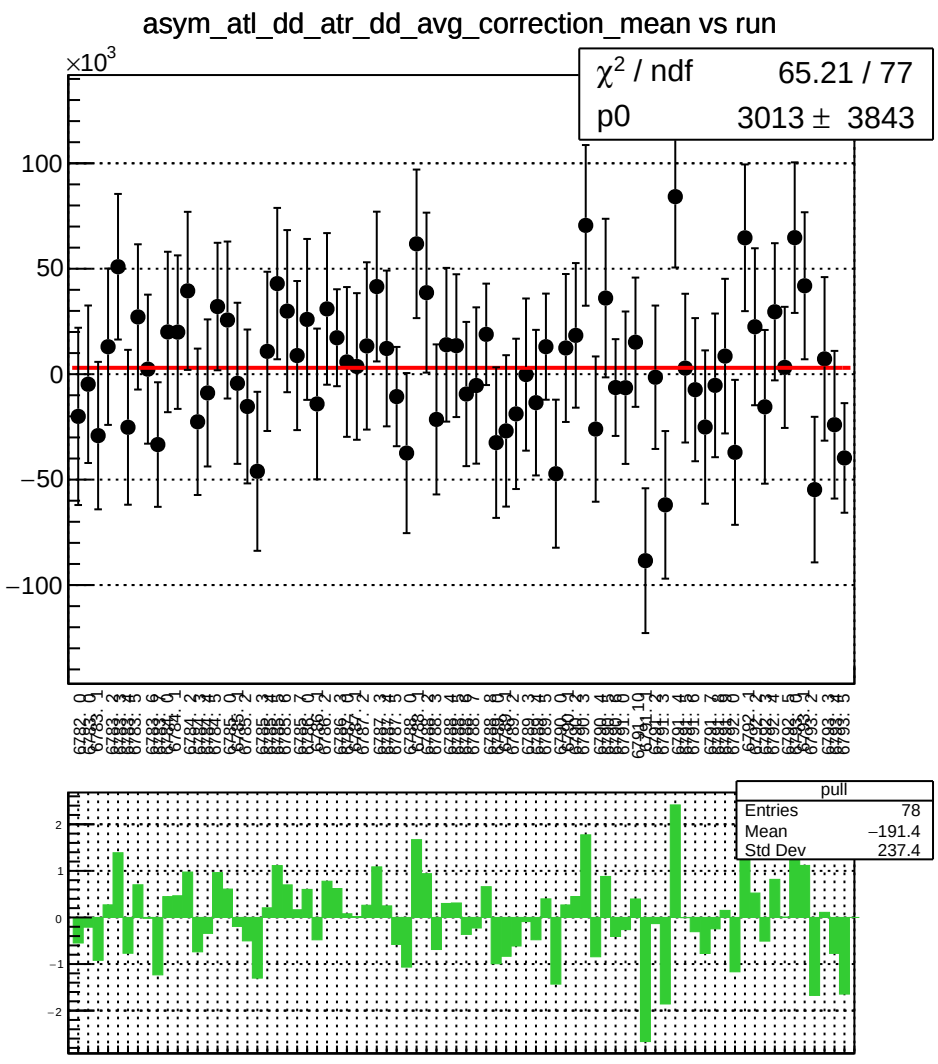

pull1D
Entries 78
Mean 0.0207
Std Dev 1.079

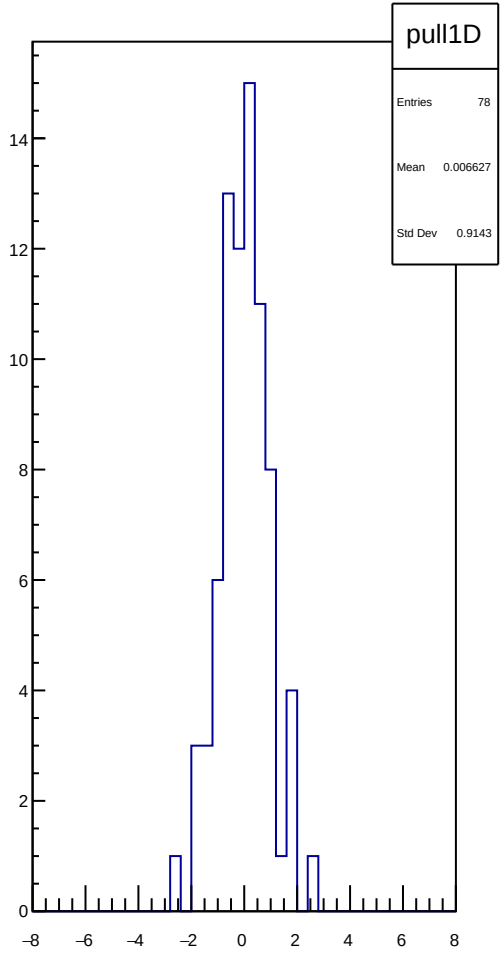

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.207e+04 / 77
p0 1323 ± 1.061
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

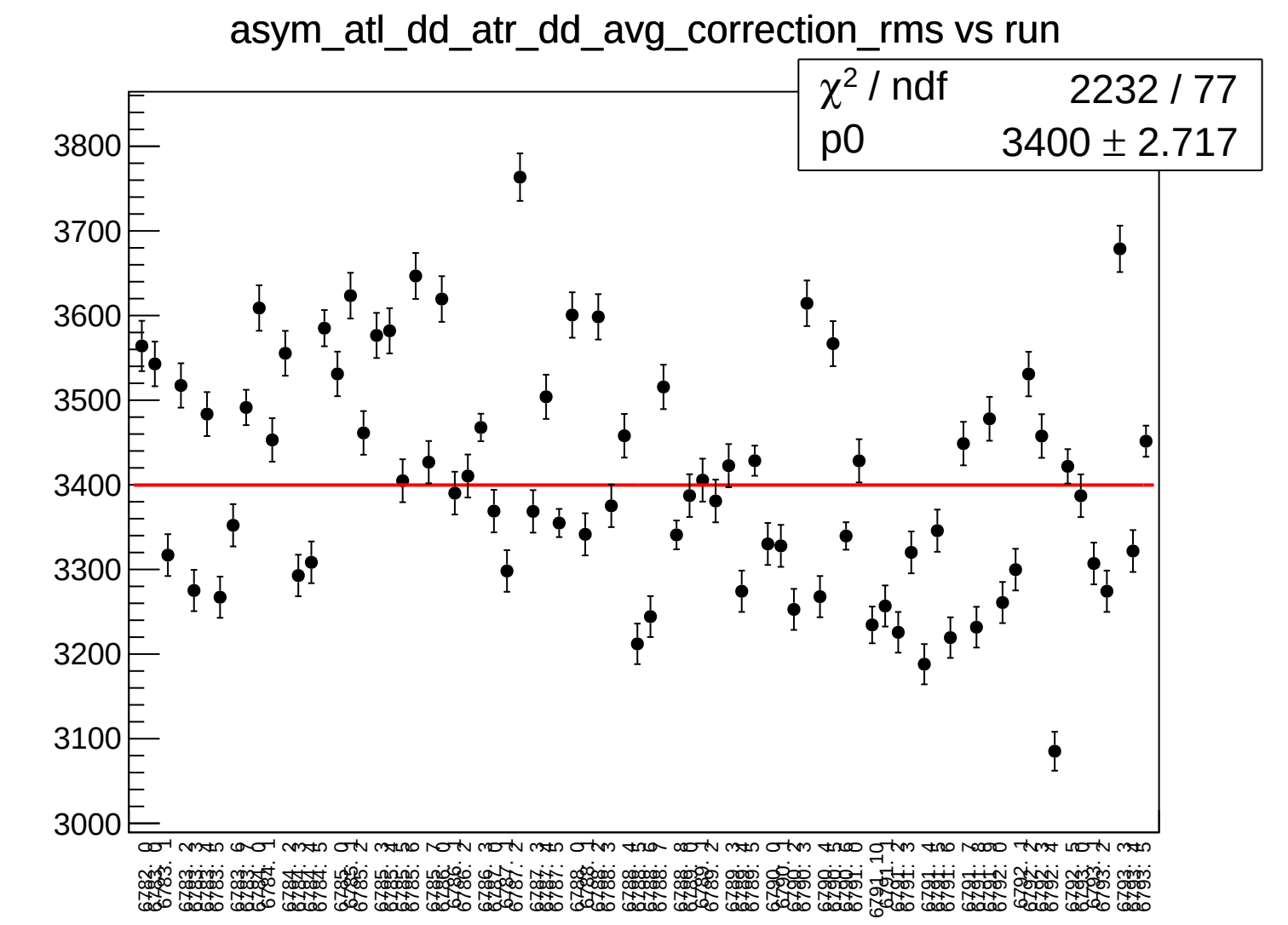

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 77.77 / 77
p0 2328 ± 1589
pull
Entries 78
Mean −18.86
Std Dev 77.94

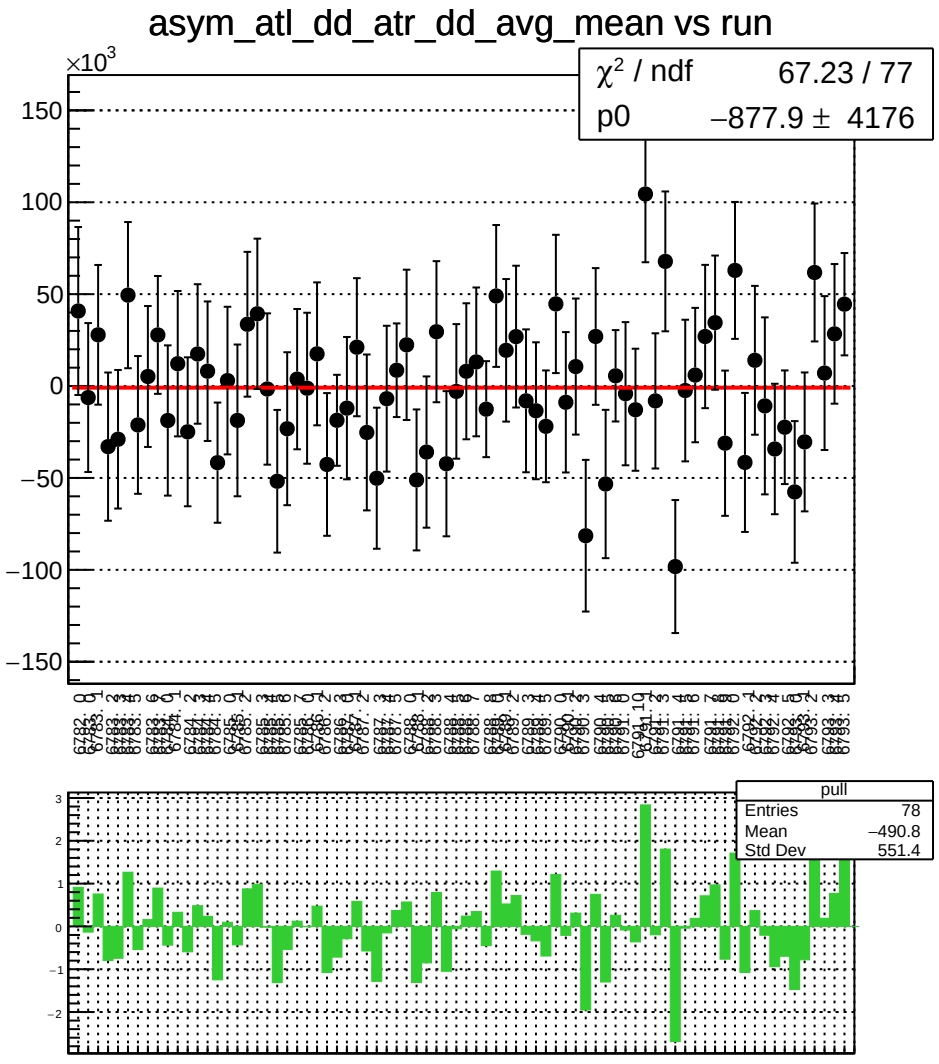

pull1D
Entries 78
Mean 0.008414
Std Dev 0.9985

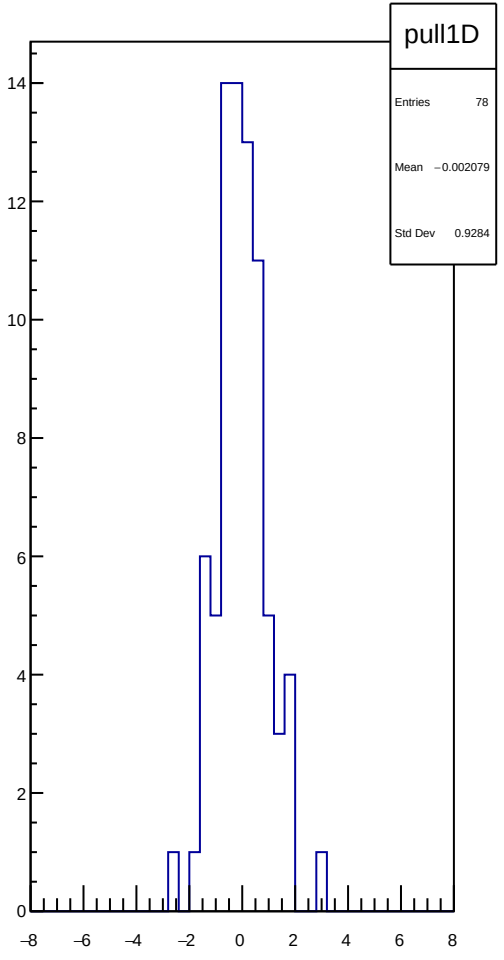

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.11e+04 / 77
p0 1402 ± 1.123
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

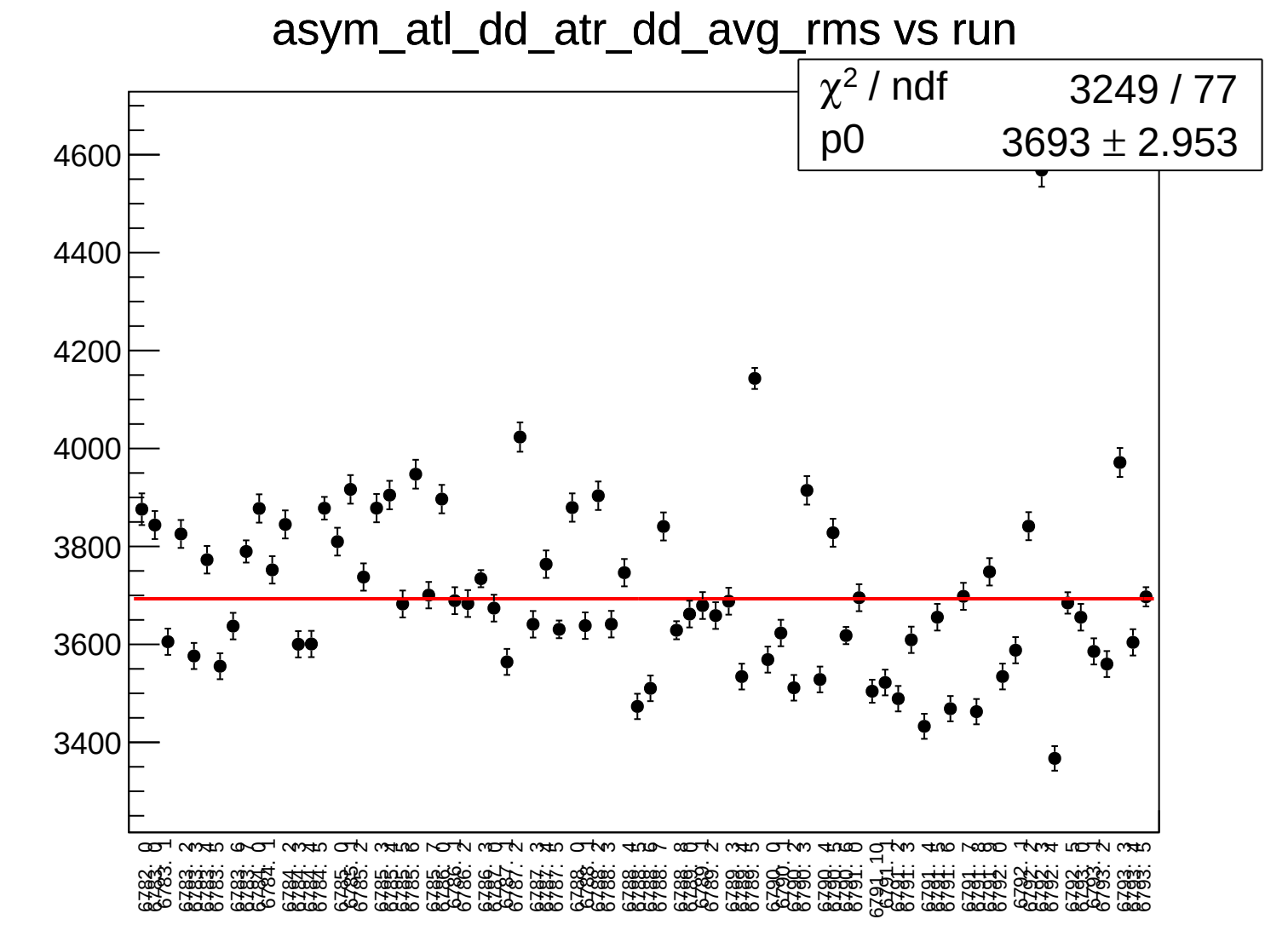

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ^2 / ndf 65.21 / 77
p0 3013 ± 3843
100
50
0
−50
−100
pull
Entries 78
Mean −191.4
Std Dev 237.4
2
1
0
−1
−2

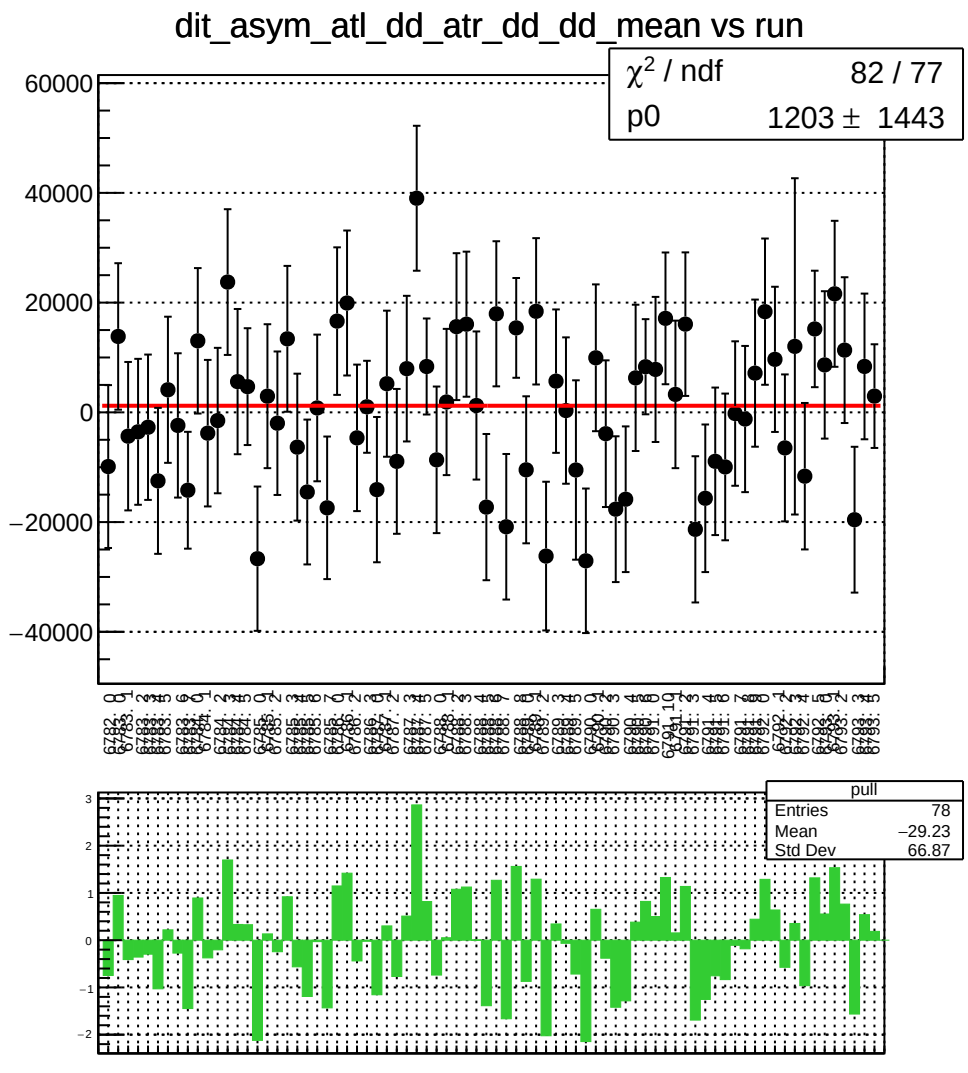

pull1D
Entries 78
Mean 0.006627
Std Dev 0.9143
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

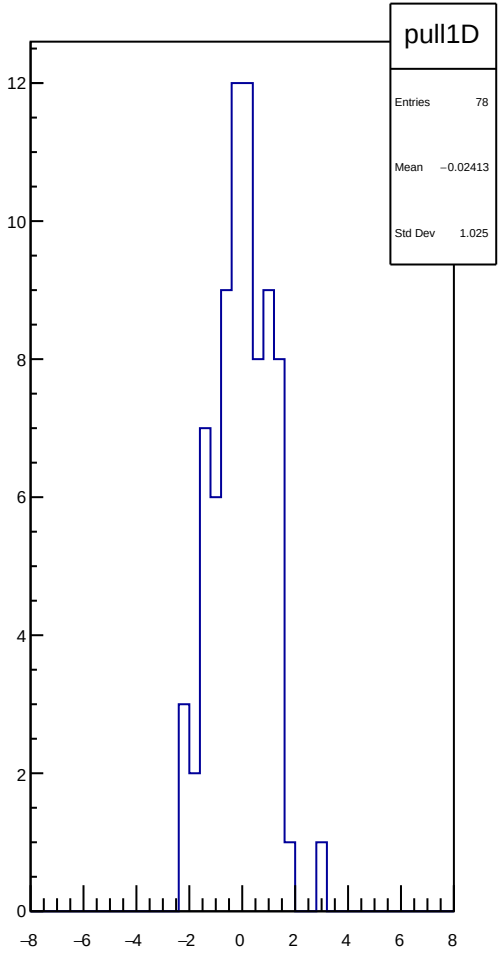

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2232 / 77
p0 3400 ± 2.717
3800
3700
3600
3500
3400
3300
3200
3100
3000

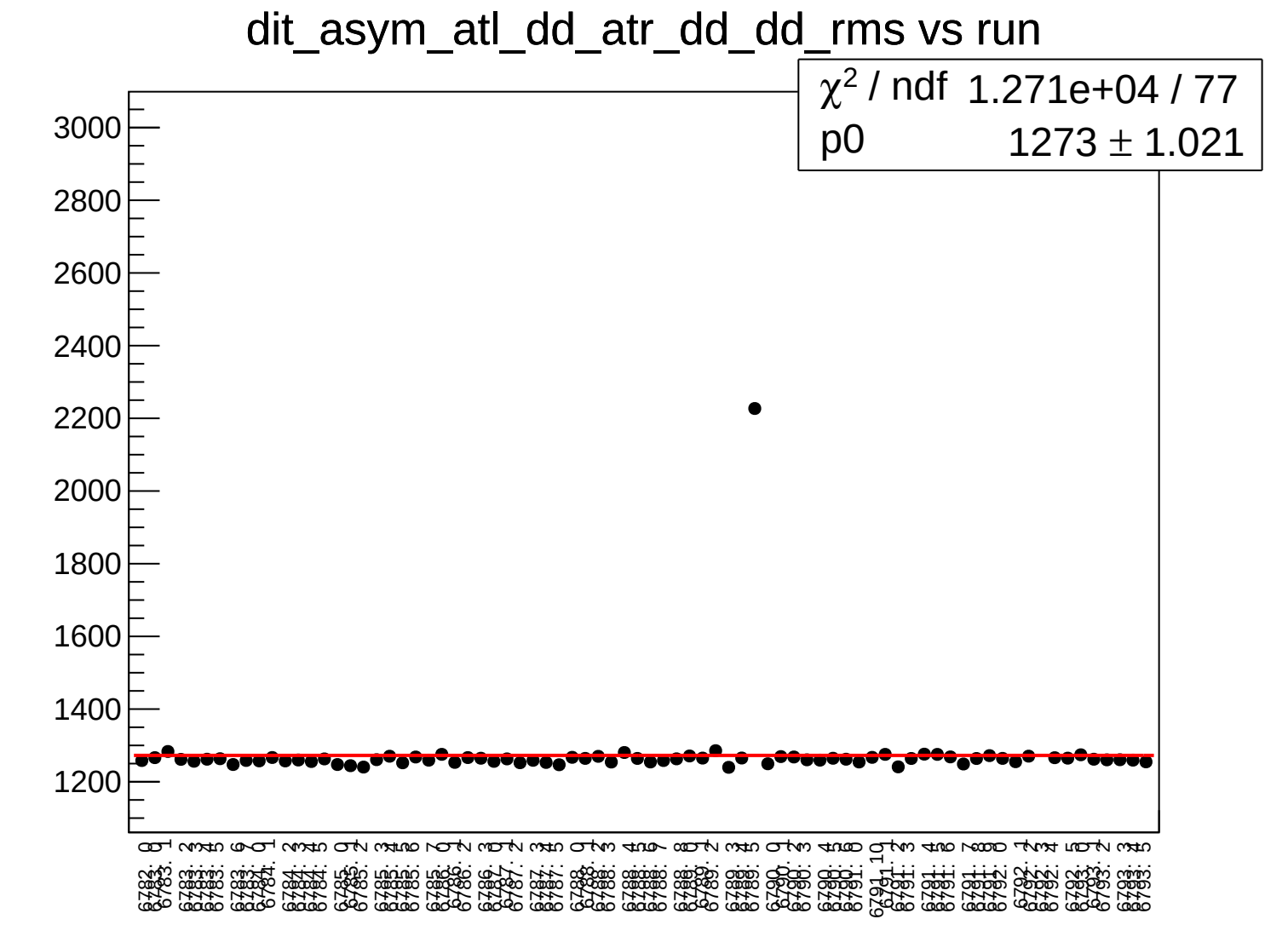

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 67.23 / 77
p0 −877.9 ± 4176
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean −490.8
Std Dev 551.4
3
2
1
0
−1
−2

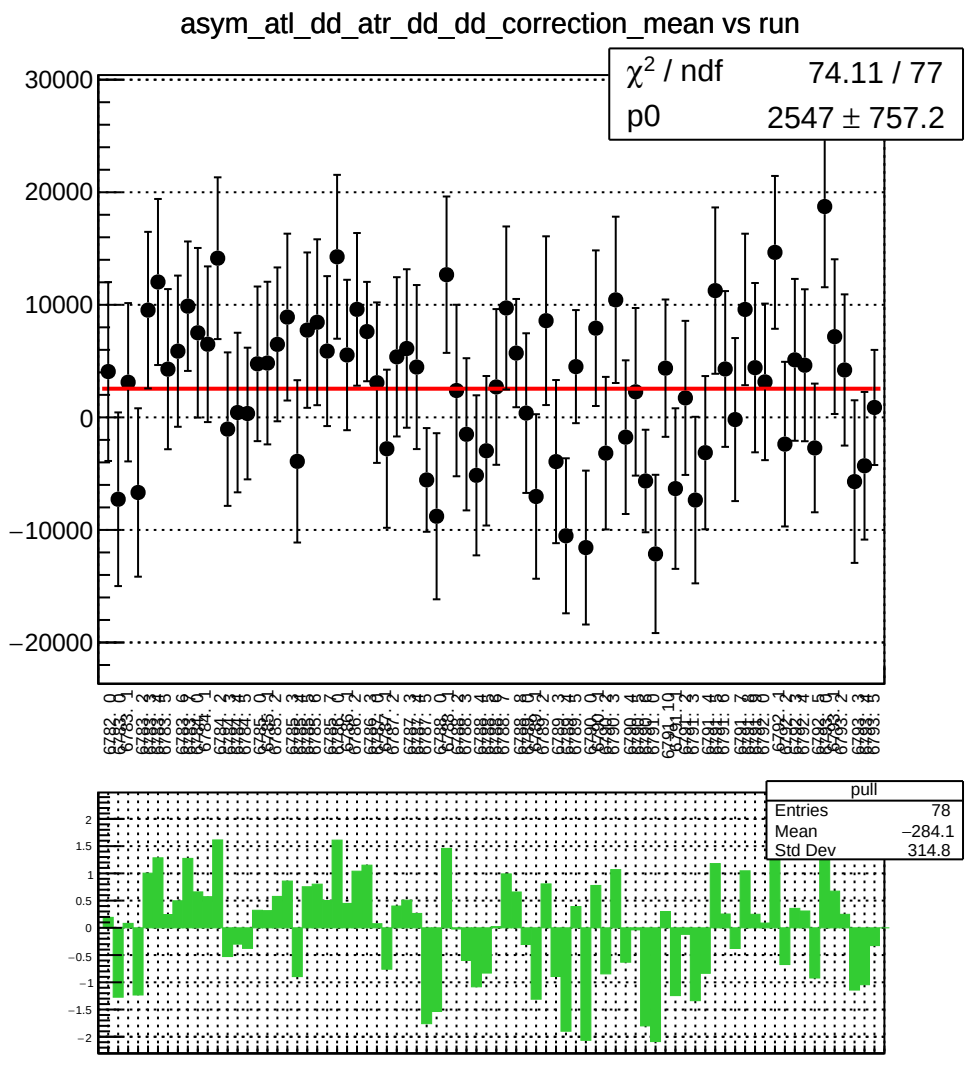

pull1D
Entries 78
Mean −0.002079
Std Dev 0.9284
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

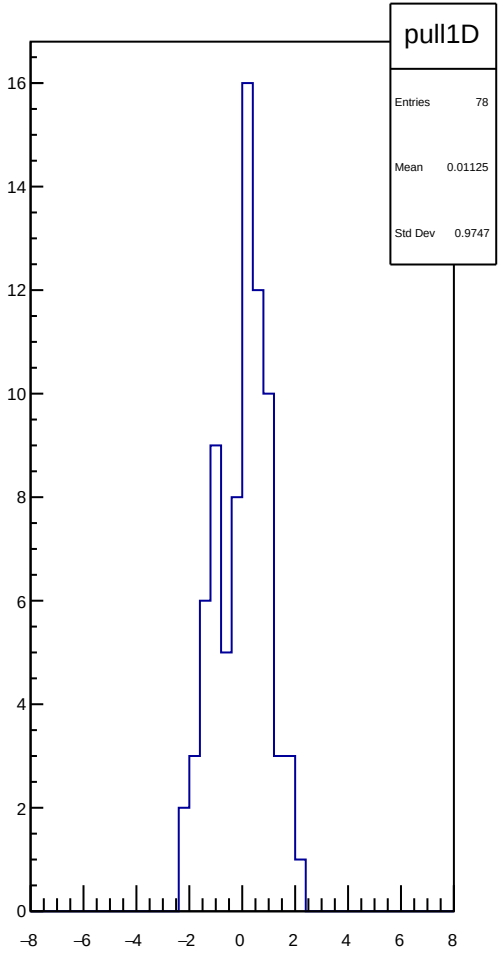

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3249 / 77
p0 3693 ± 2.953
4600
4400
4200
4000
3800
3600
3400

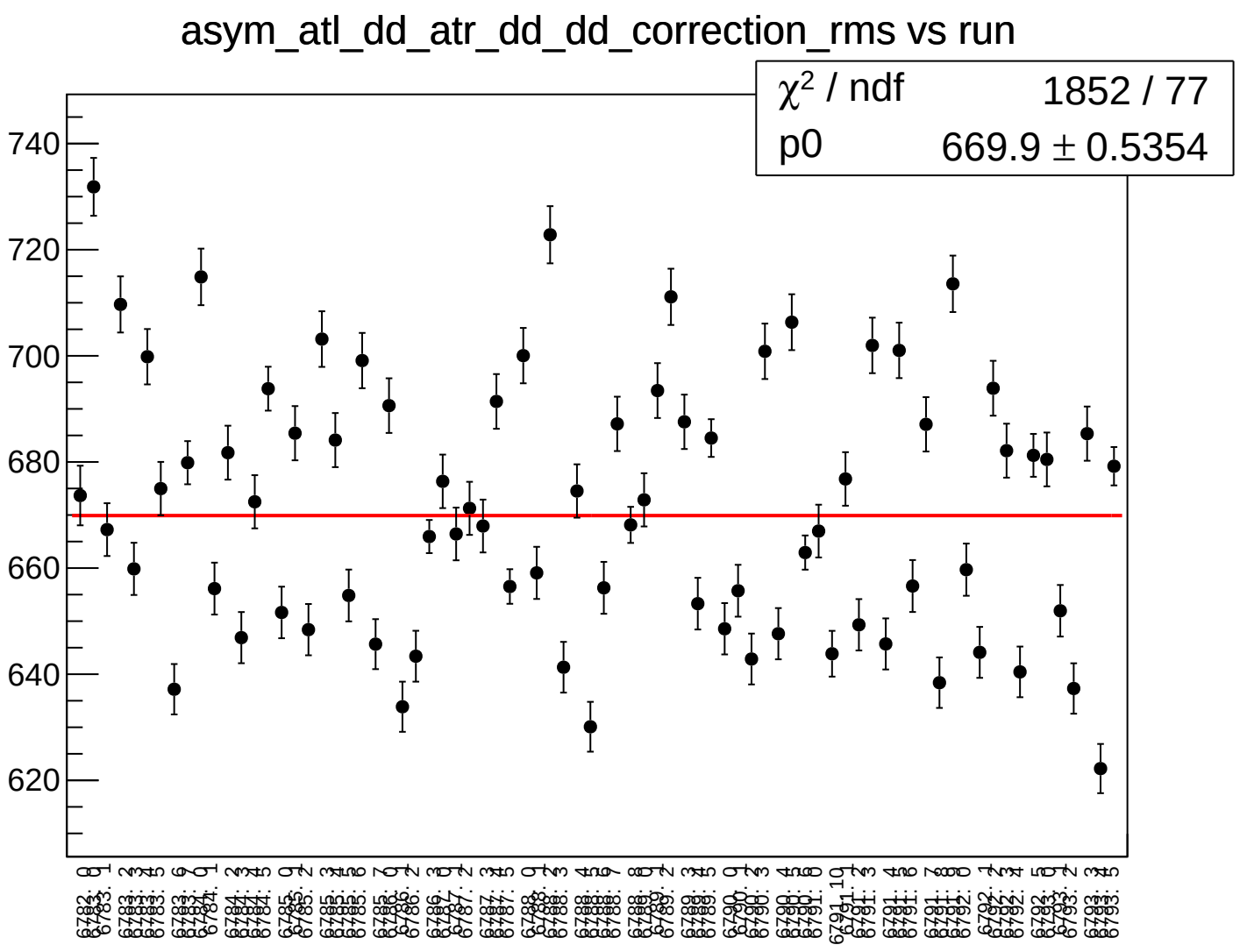

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 82 / 77
p0 1203 ± 1443
pull
Entries 78
Mean −29.23
Std Dev 66.87

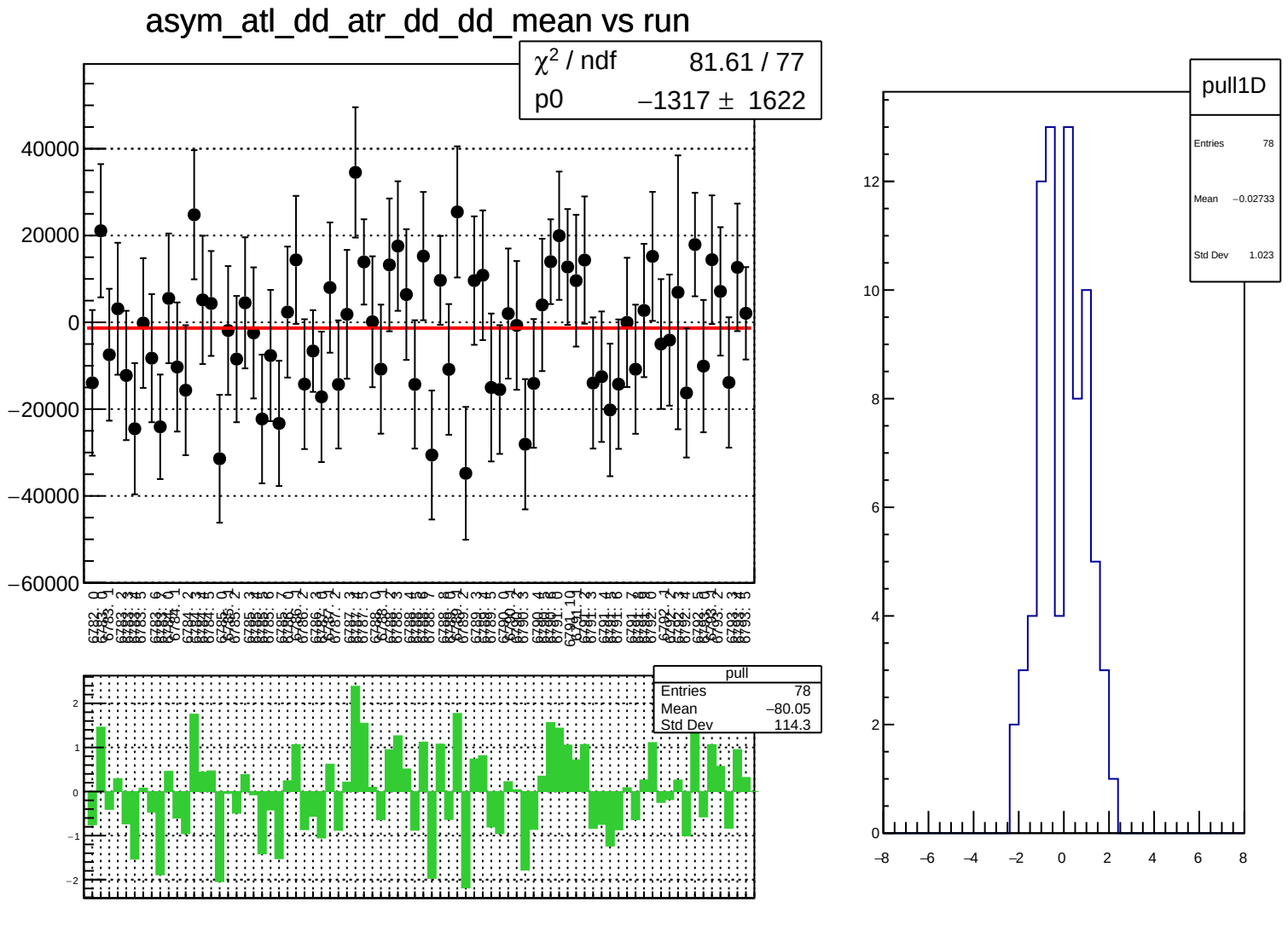

pull1D
Entries 78
Mean −0.02413
Std Dev 1.025

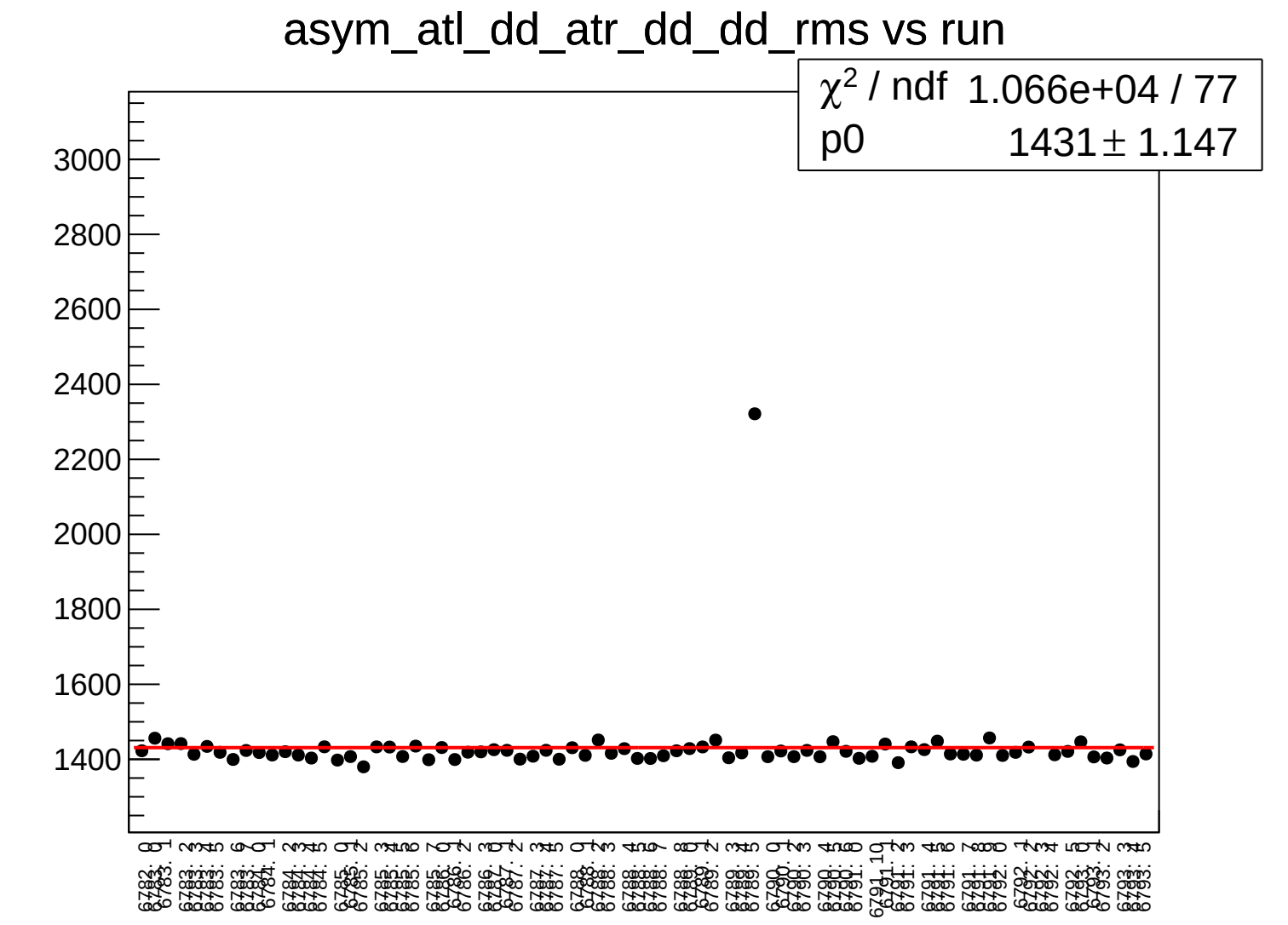

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.271e+04 / 77
p0 1273 ± 1.021
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

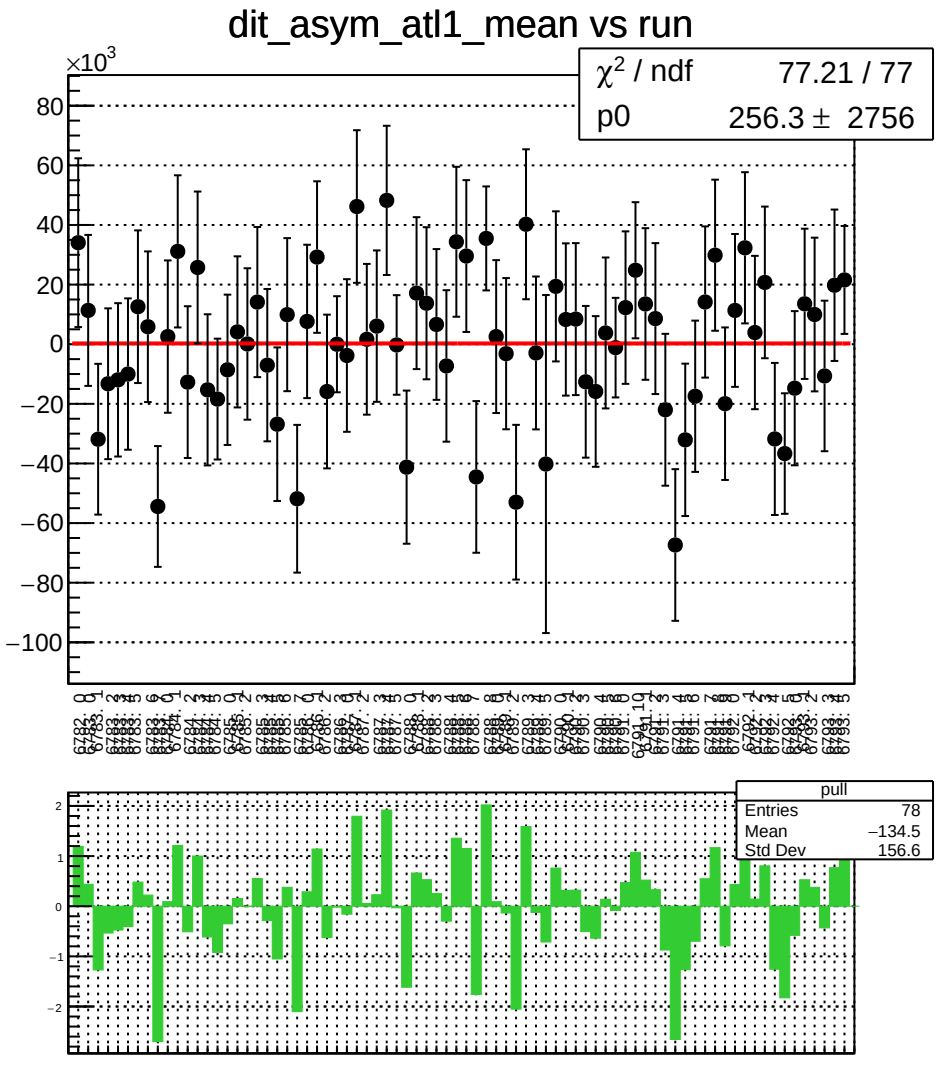

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 74.11 / 77
p0 2547 ± 757.2
30000
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −284.1
Std Dev 314.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

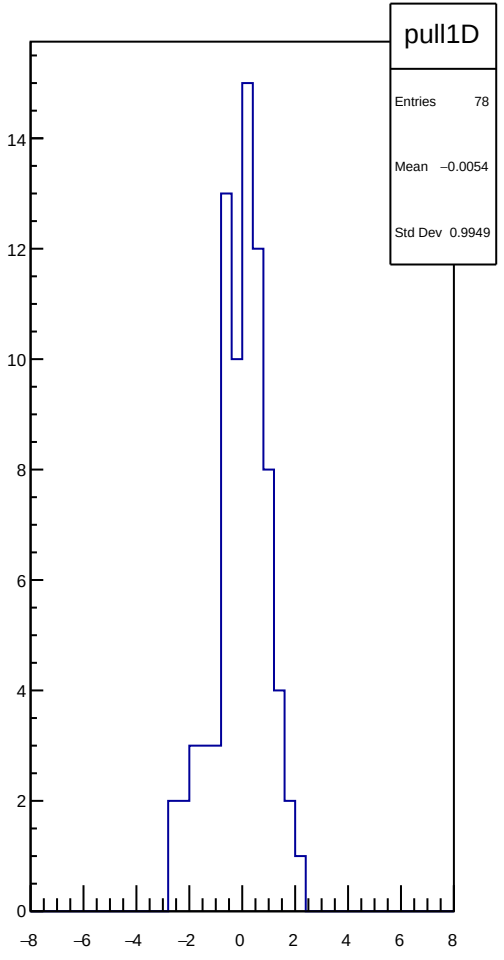

pull1D
Entries 78
Mean 0.01125
Std Dev 0.9747
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

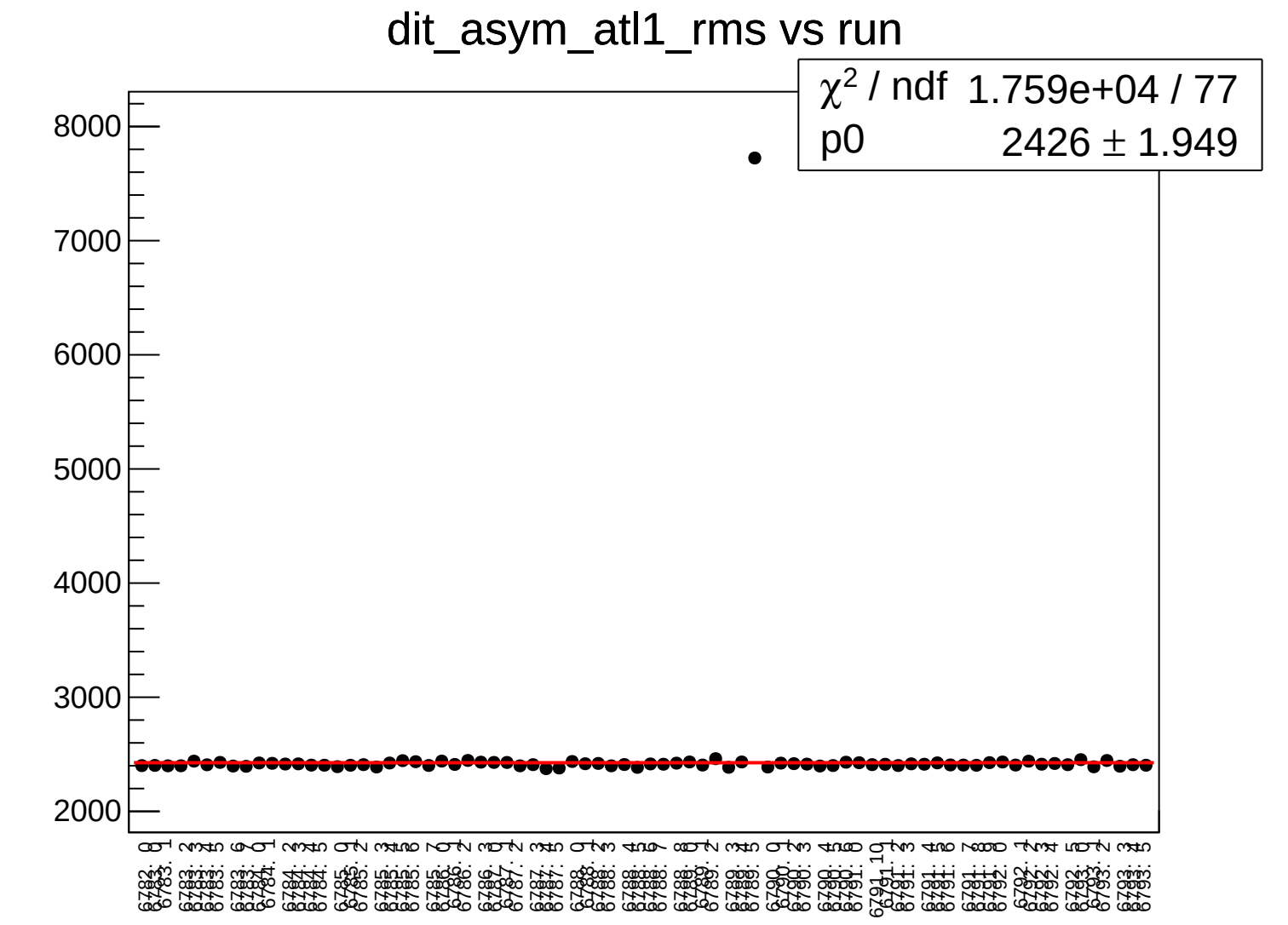

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ^2 / ndf 1852 / 77
p0 669.9 ± 0.5354
740
720
700
680
660
640
620

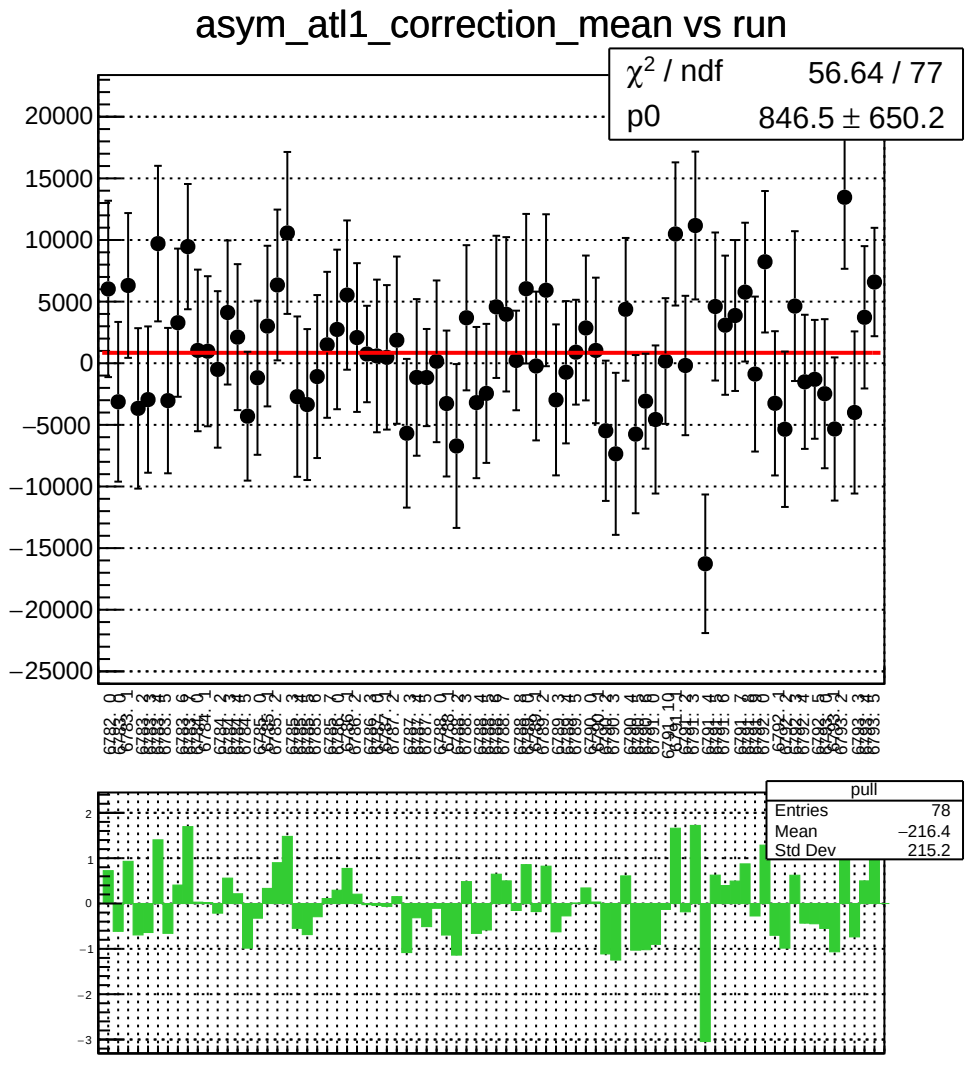

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 81.61 / 77
p0 −1317 ± 1622
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −80.05
Std Dev 114.3
2
1
0
−1
−2
pull1D
Entries 78
Mean −0.02733
Std Dev 1.023
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

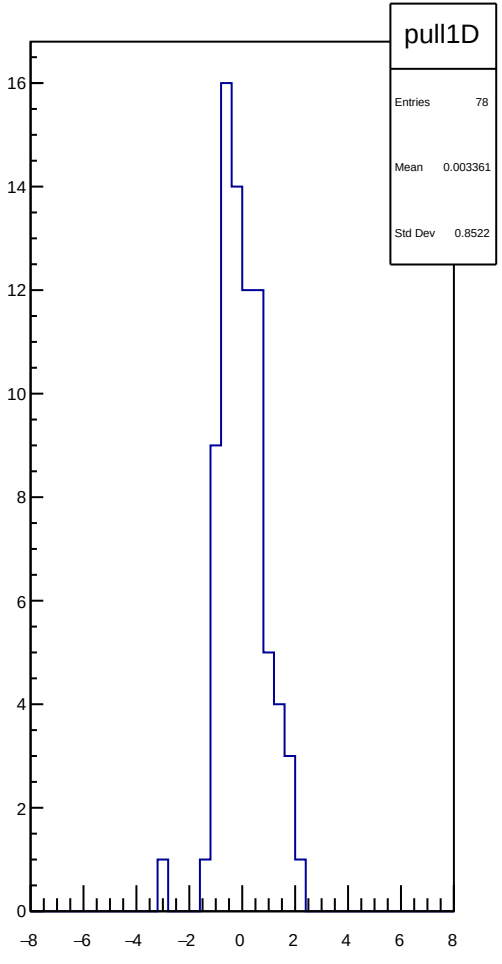

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.066e+04 / 77
p0 1431 ± 1.147
3000
2800
2600
2400
2200
2000
1800
1600
1400

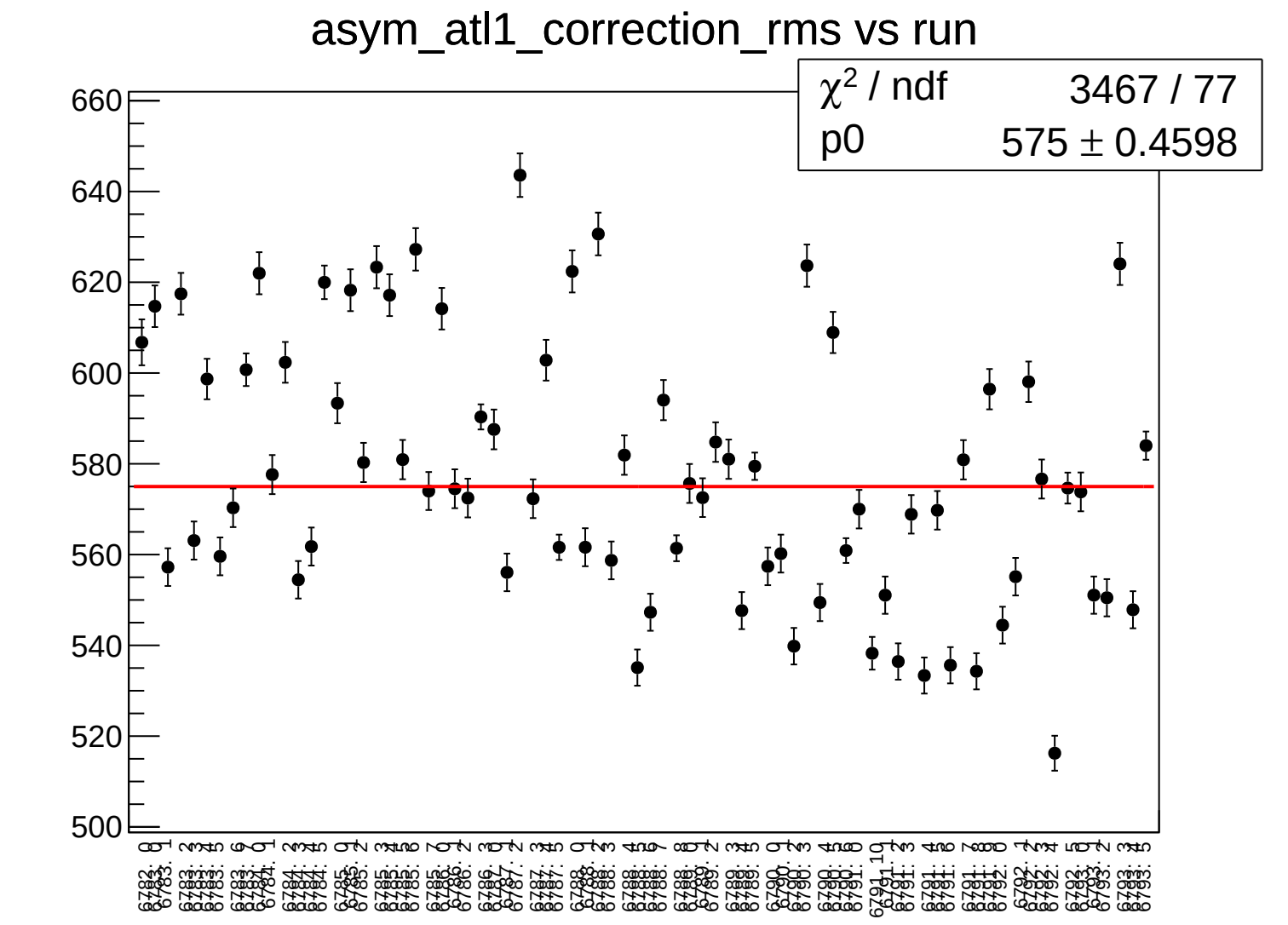

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 77.21 / 77
p0 256.3 ± 2756
pull
Entries 78
Mean −134.5
Std Dev 156.6

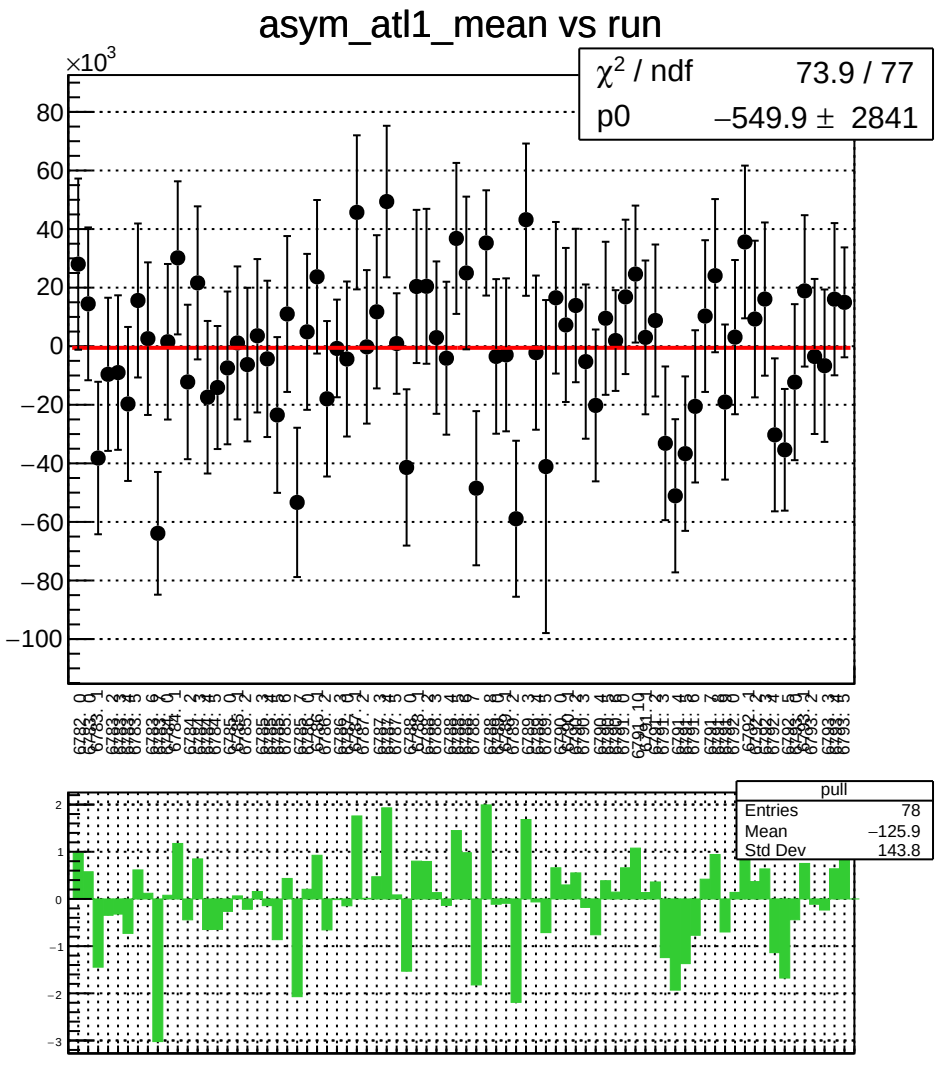

pull1D
Entries 78
Mean −0.0054
Std Dev 0.9949

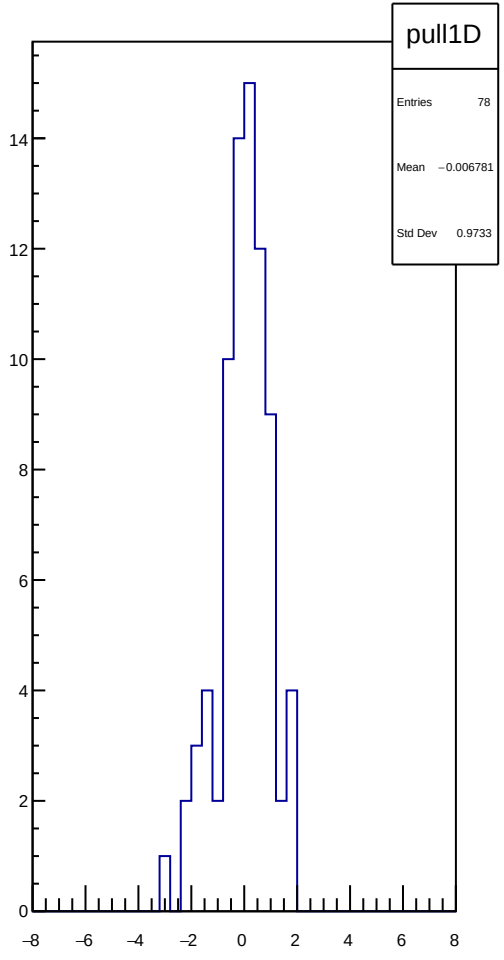

dit_asym_atl1_rms vs run
χ² / ndf 1.759e+04 / 77
p0 2426 ± 1.949
8000
7000
6000
5000
4000
3000
2000

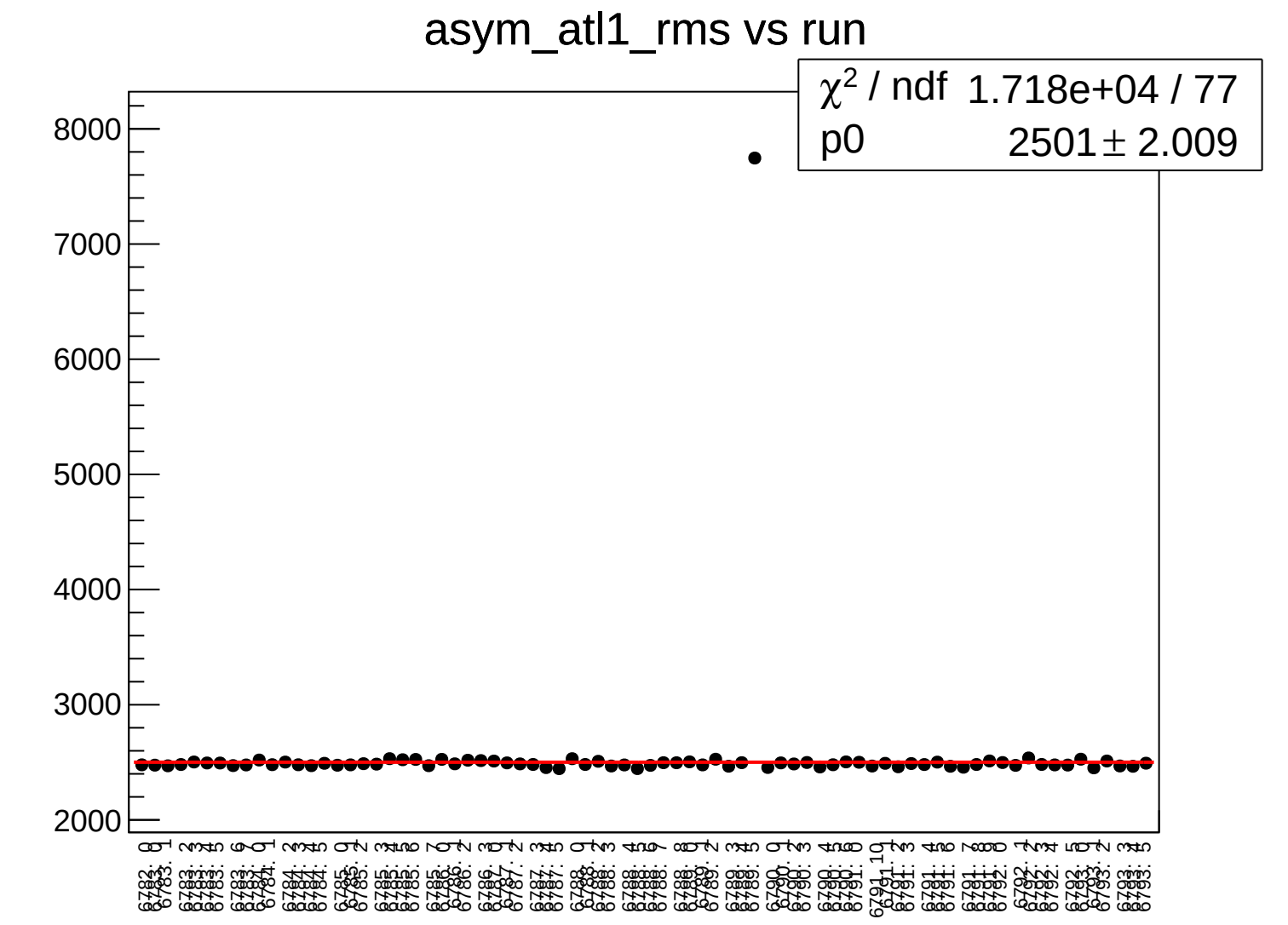

asym_atl1_correction_mean vs run
χ² / ndf 56.64 / 77
p0 846.5 ± 650.2
pull
Entries 78
Mean −216.4
Std Dev 215.2

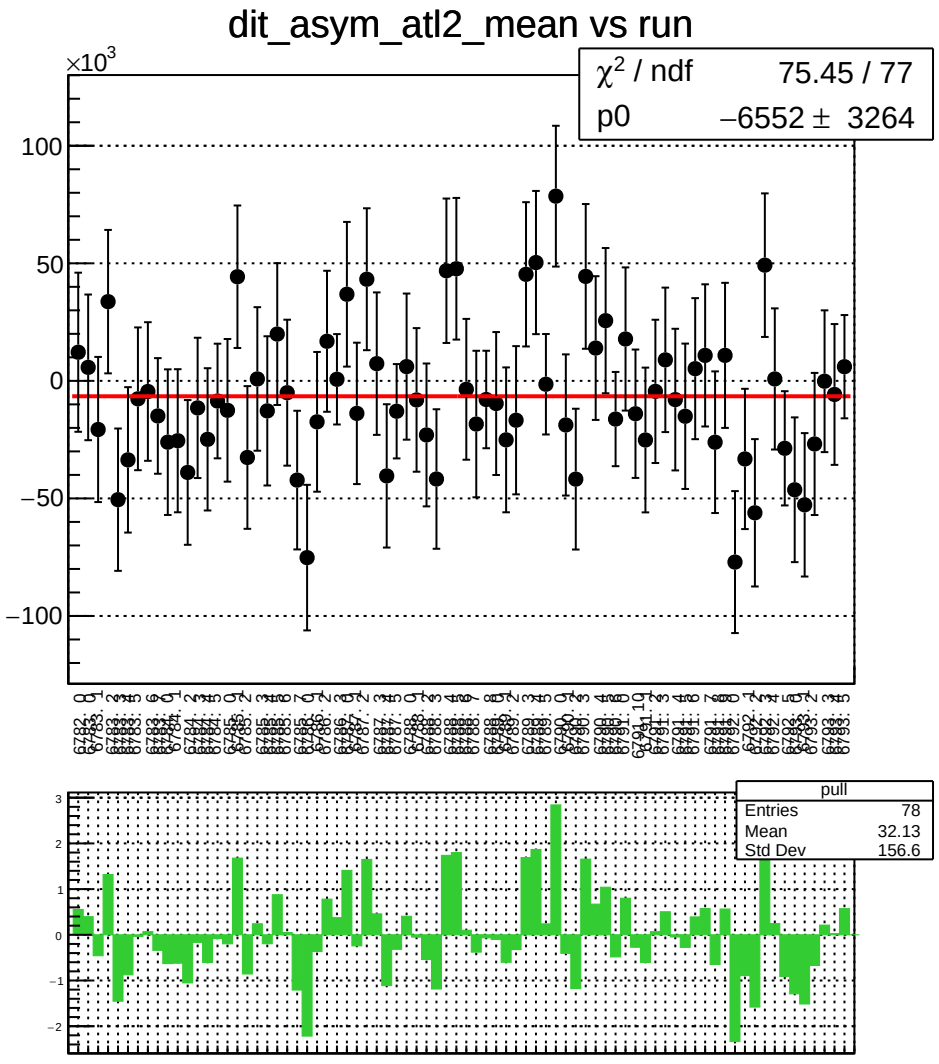

pull1D
Entries 78
Mean 0.003361
Std Dev 0.8522

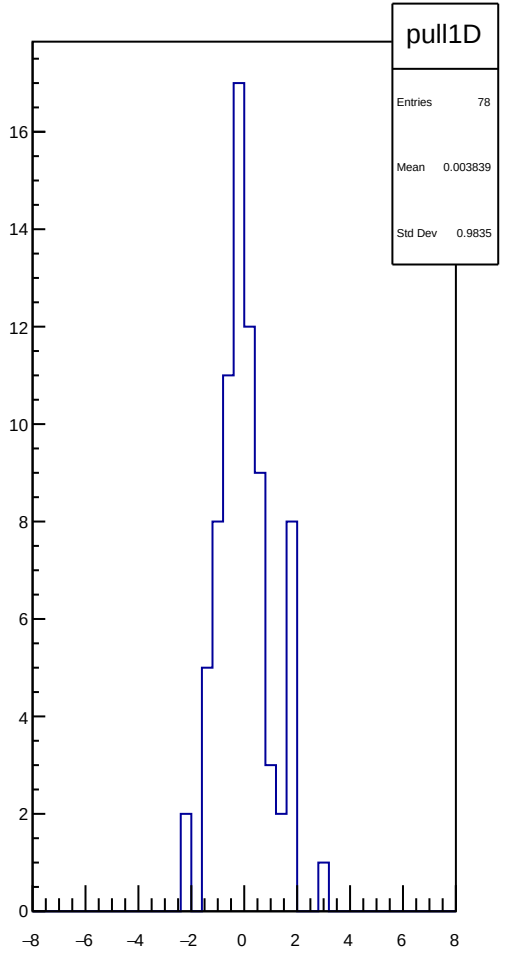

asym_atl1_correction_rms vs run
χ² / ndf 3467 / 77
p0 575 ± 0.4598
660
640
620
600
580
560
540
520
500

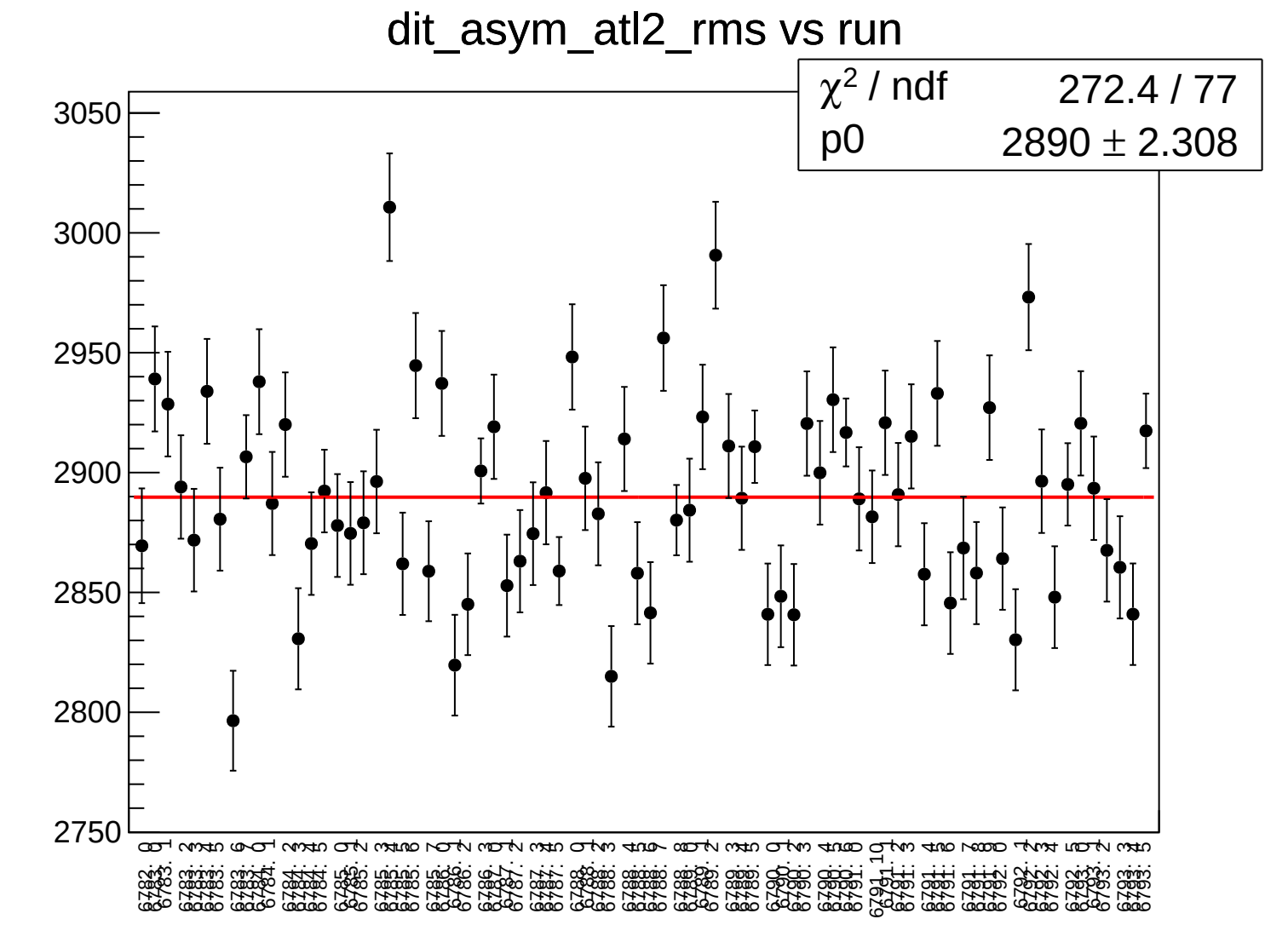

asym_atl1_mean vs run
×10^3
χ² / ndf 73.9 / 77
p0 −549.9 ± 2841
pull
Entries 78
Mean −125.9
Std Dev 143.8

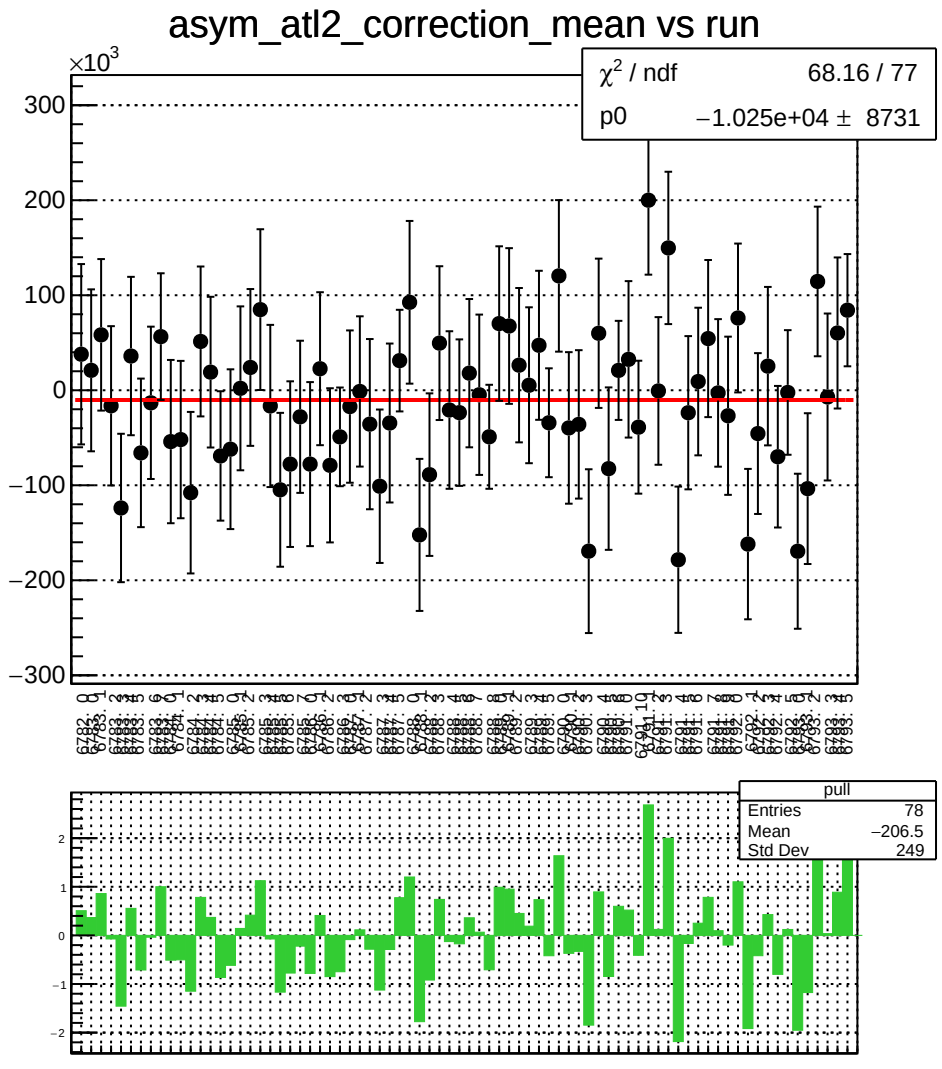

pull1D
Entries 78
Mean −0.006781
Std Dev 0.9733

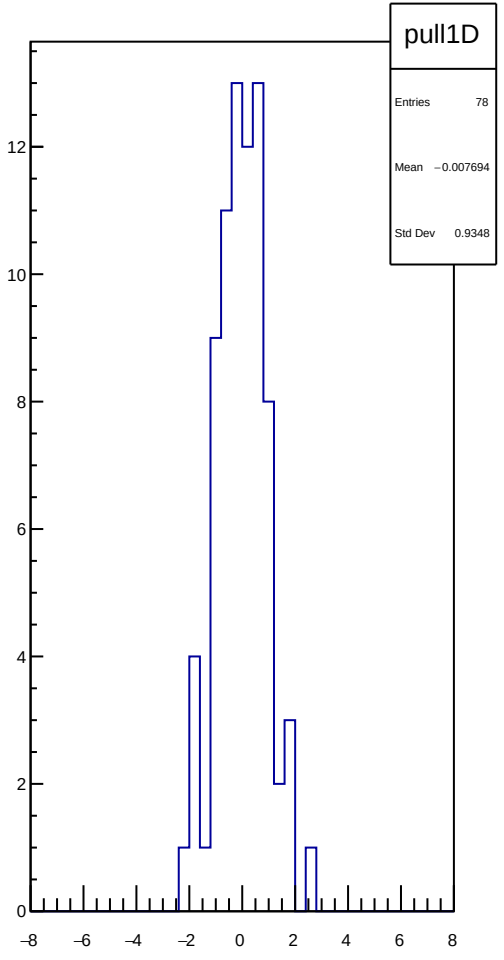

asym_atl1_rms vs run
χ² / ndf 1.718e+04 / 77
p0 2501 ± 2.009
8000
7000
6000
5000
4000
3000
2000

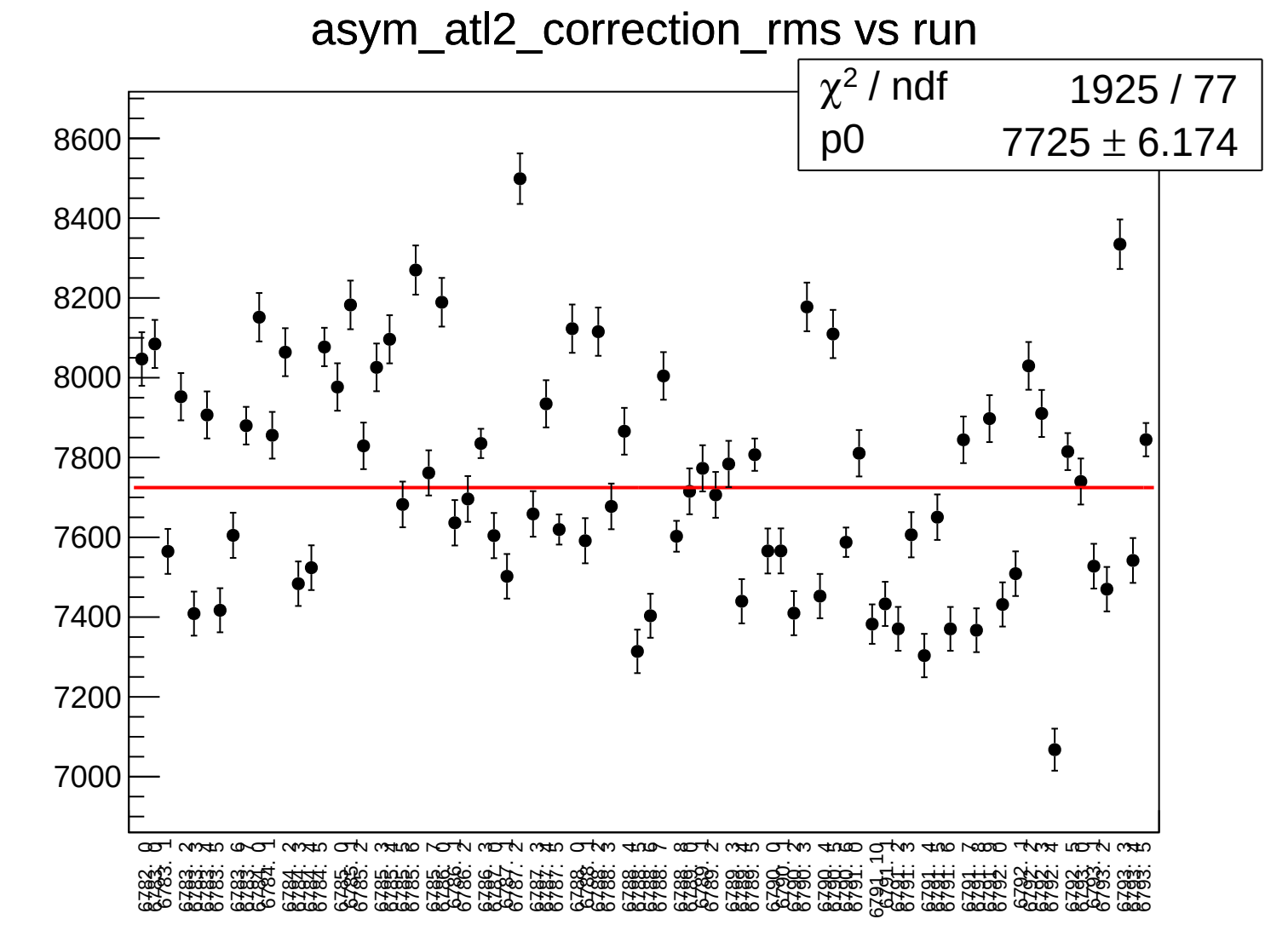

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 75.45 / 77
p0 −6552 ± 3264
100
50
0
−50
−100
pull
Entries 78
Mean 32.13
Std Dev 156.6
3
2
1
0
−1
−2

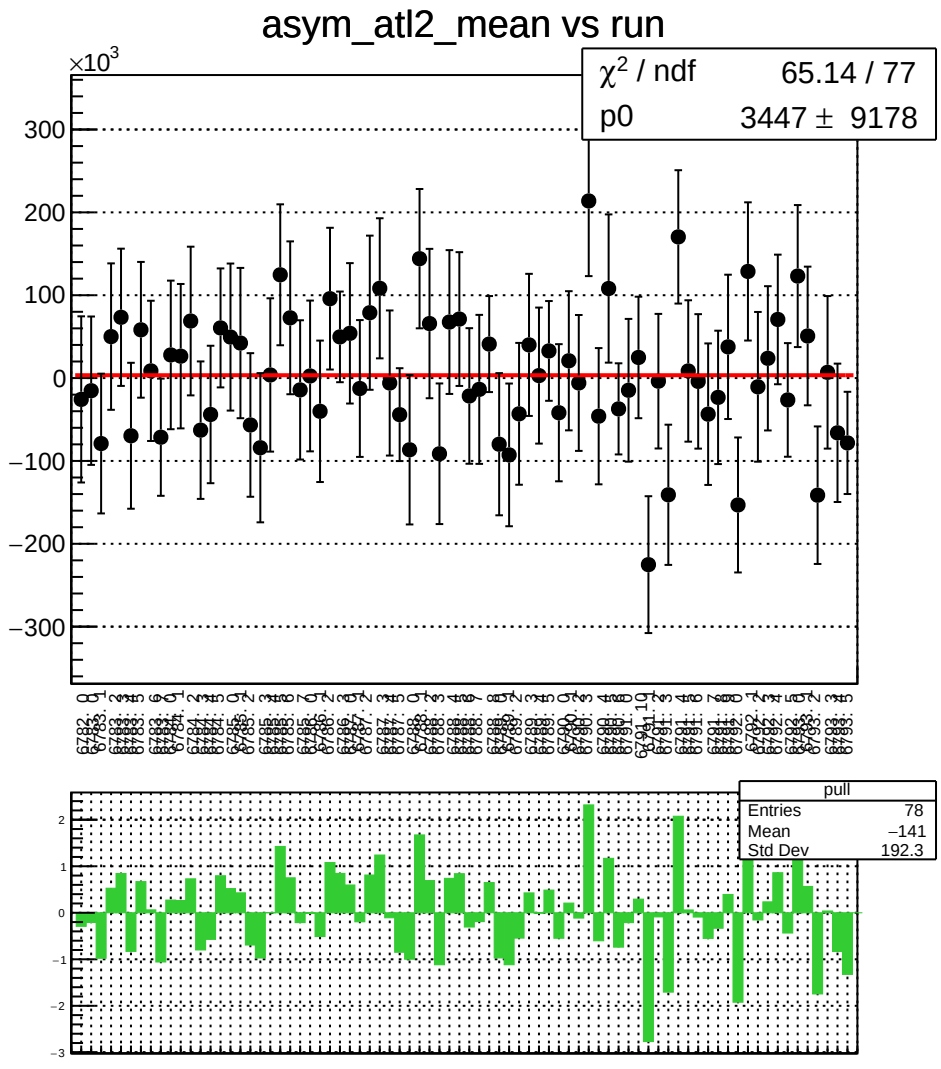

pull1D
Entries 78
Mean 0.003839
Std Dev 0.9835
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

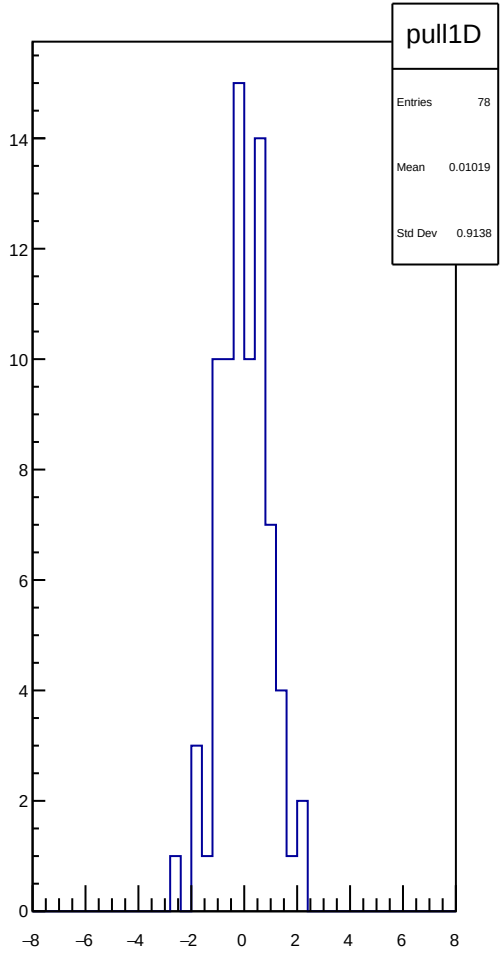

dit_asym_atl2_rms vs run
χ² / ndf 272.4 / 77
p0 2890 ± 2.308
3050
3000
2950
2900
2850
2800
2750

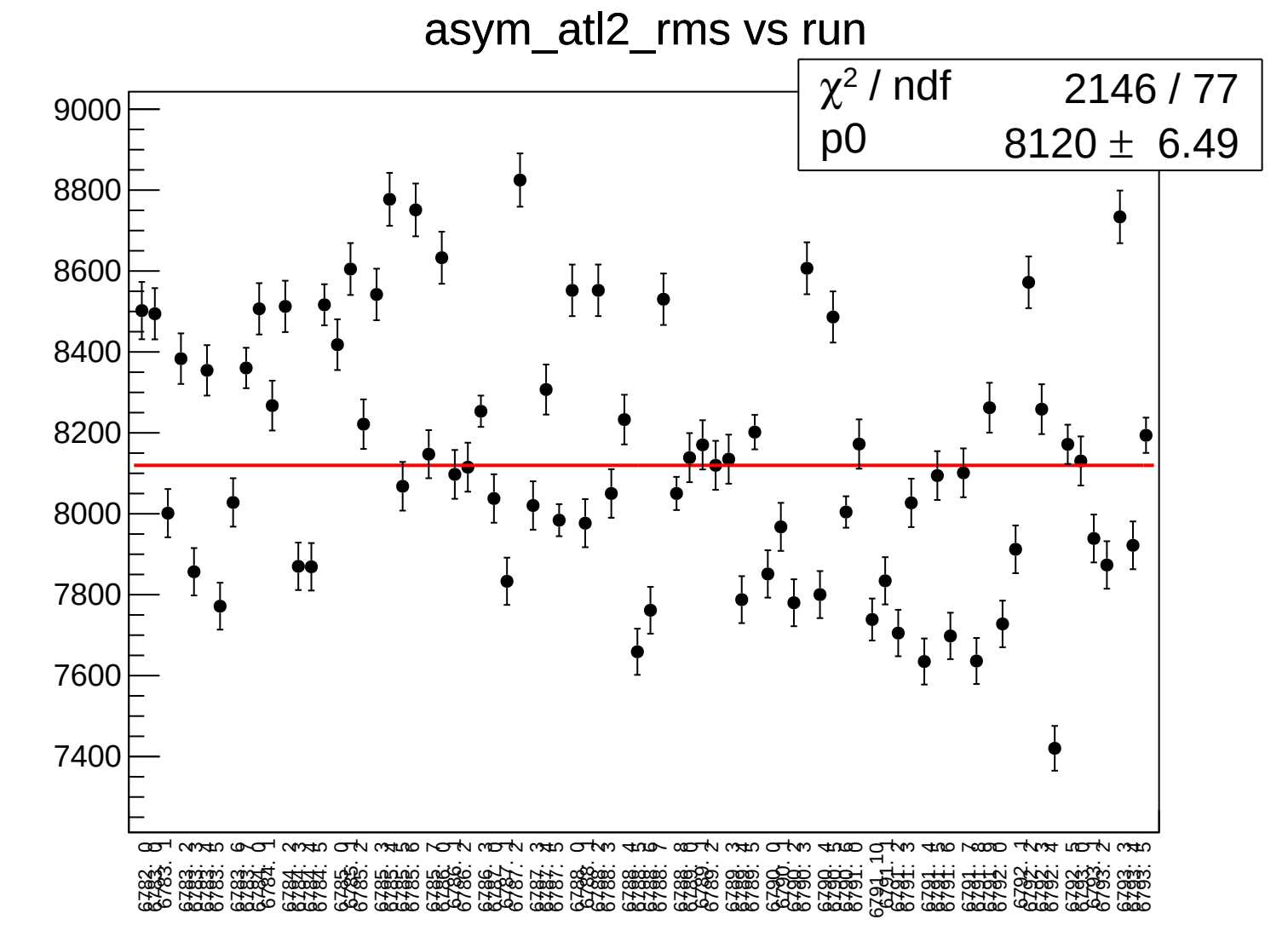

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 68.16 / 77
p0 −1.025e+04 ± 8731
pull
Entries 78
Mean −206.5
Std Dev 249

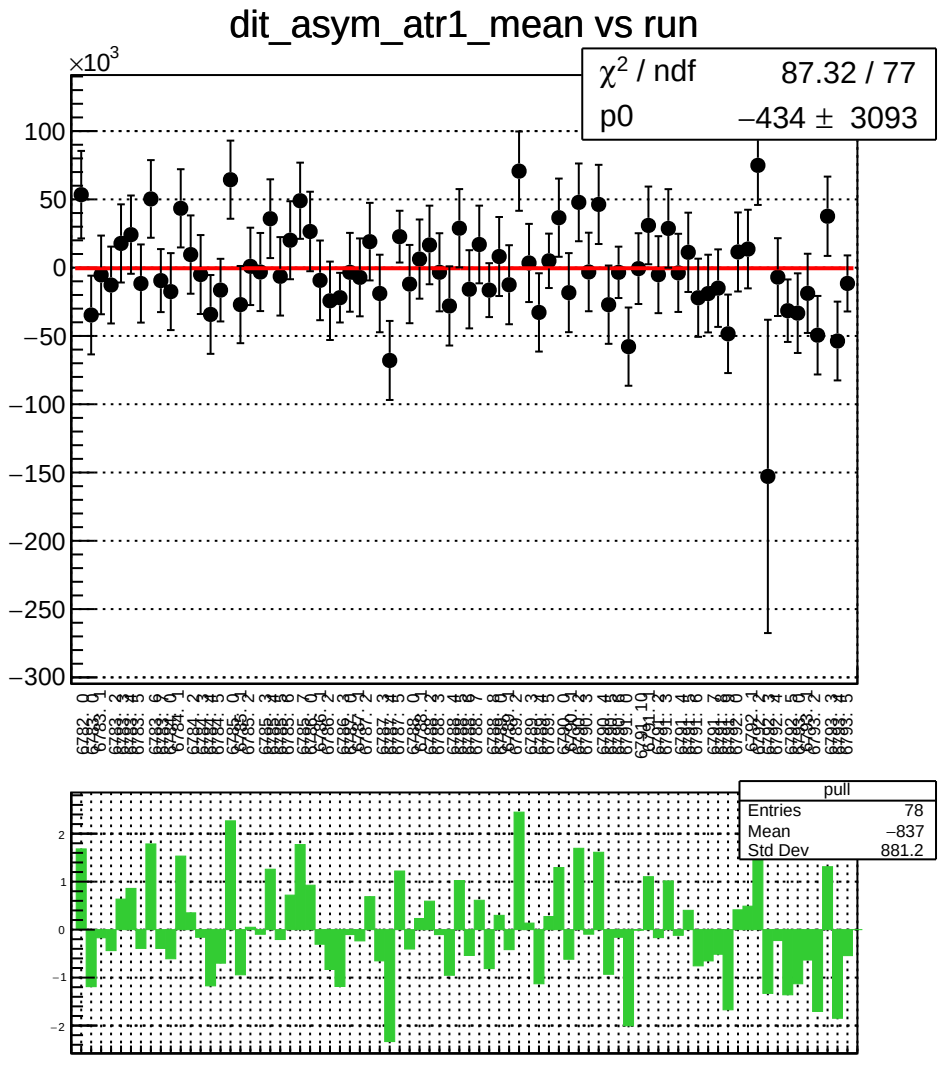

pull1D
Entries 78
Mean −0.007694
Std Dev 0.9348

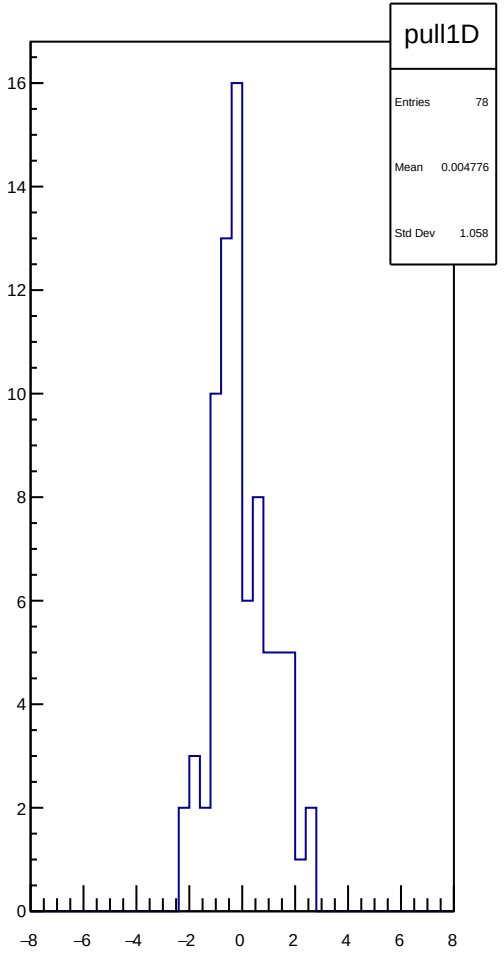

asym_atl2_correction_rms vs run
χ² / ndf 1925 / 77
p0 7725 ± 6.174
8600
8400
8200
8000
7800
7600
7400
7200
7000

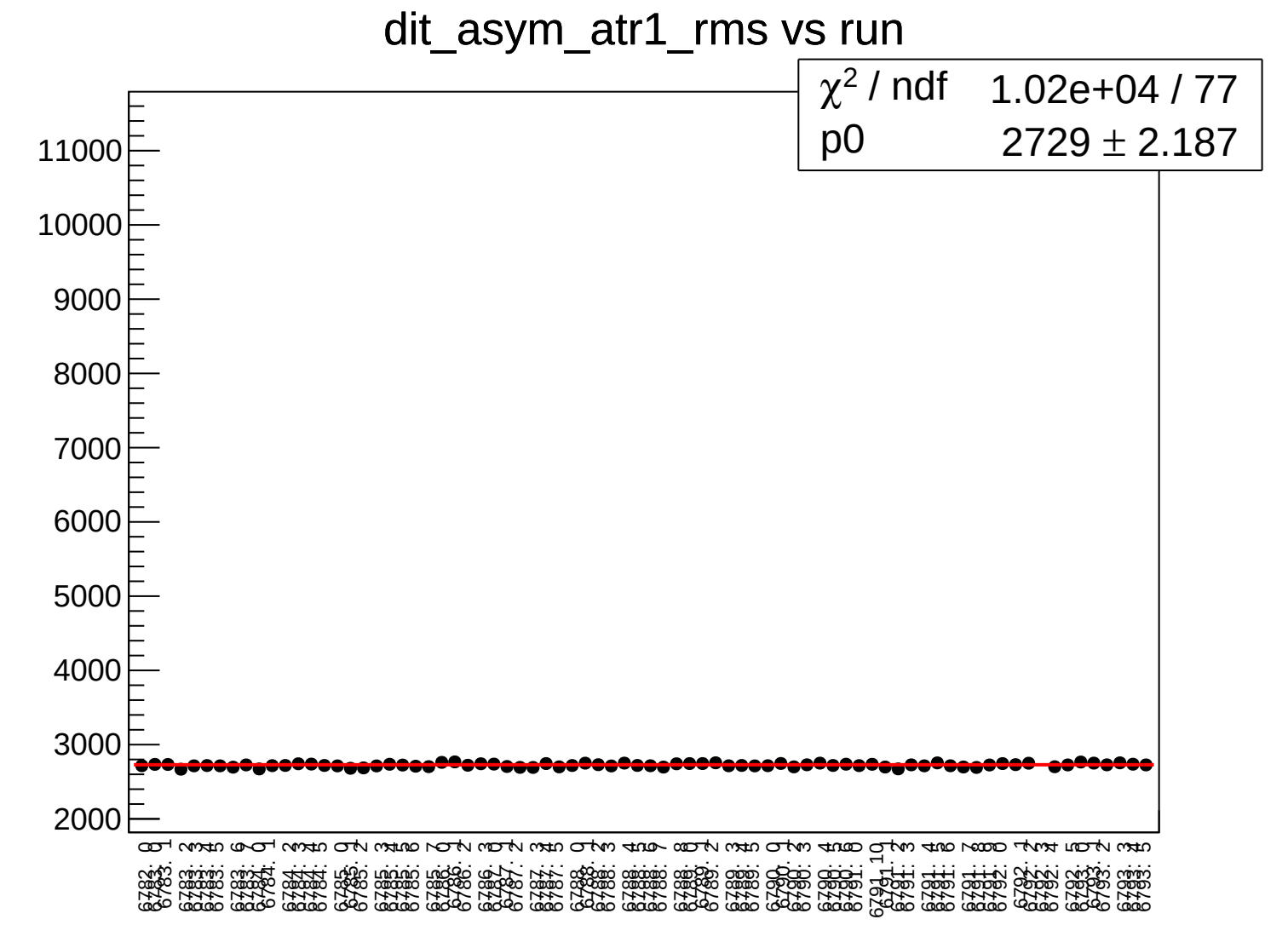

asym_atl2_mean vs run
×10^3
χ^2 / ndf 65.14 / 77
p0 3447 ± 9178
pull
Entries 78
Mean −141
Std Dev 192.3

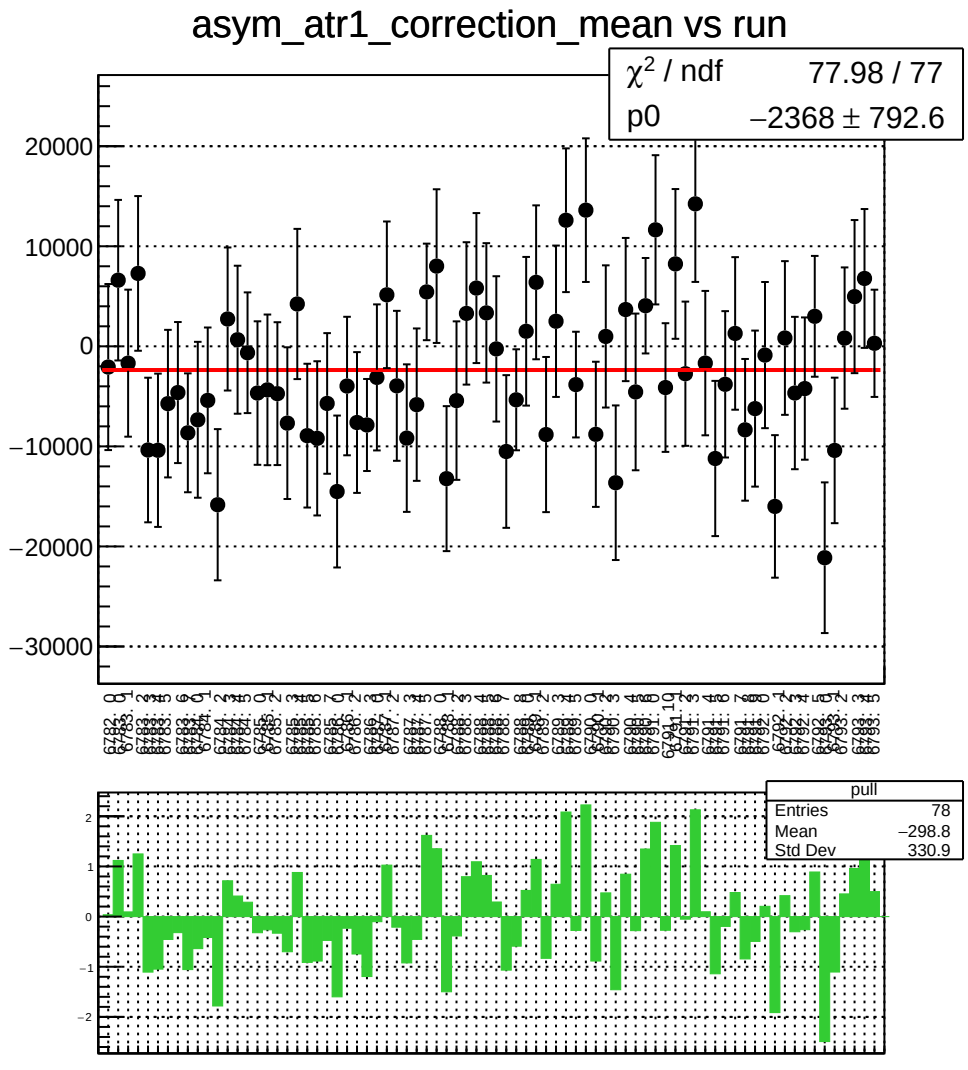

pull1D
Entries 78
Mean 0.01019
Std Dev 0.9138

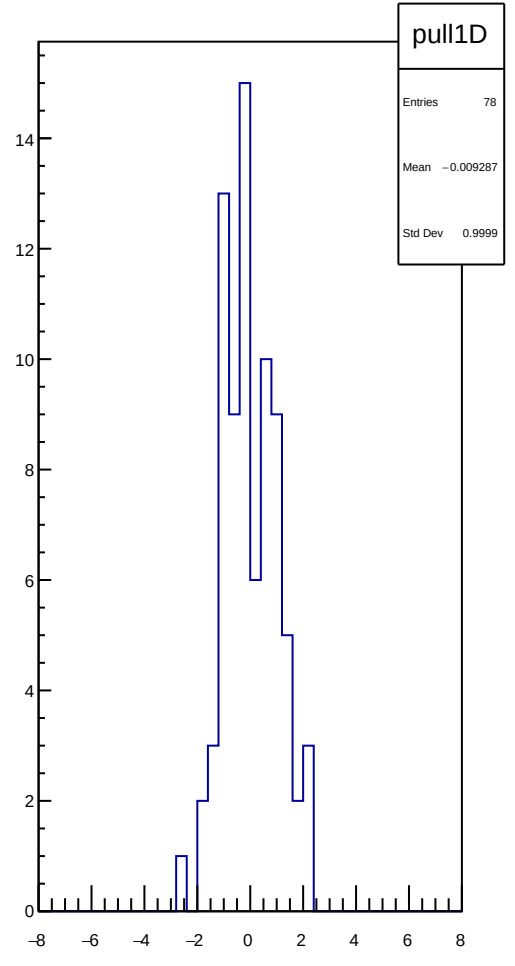

asym_atl2_rms vs run
χ² / ndf 2146 / 77
p0 8120 ± 6.49
9000
8800
8600
8400
8200
8000
7800
7600
7400

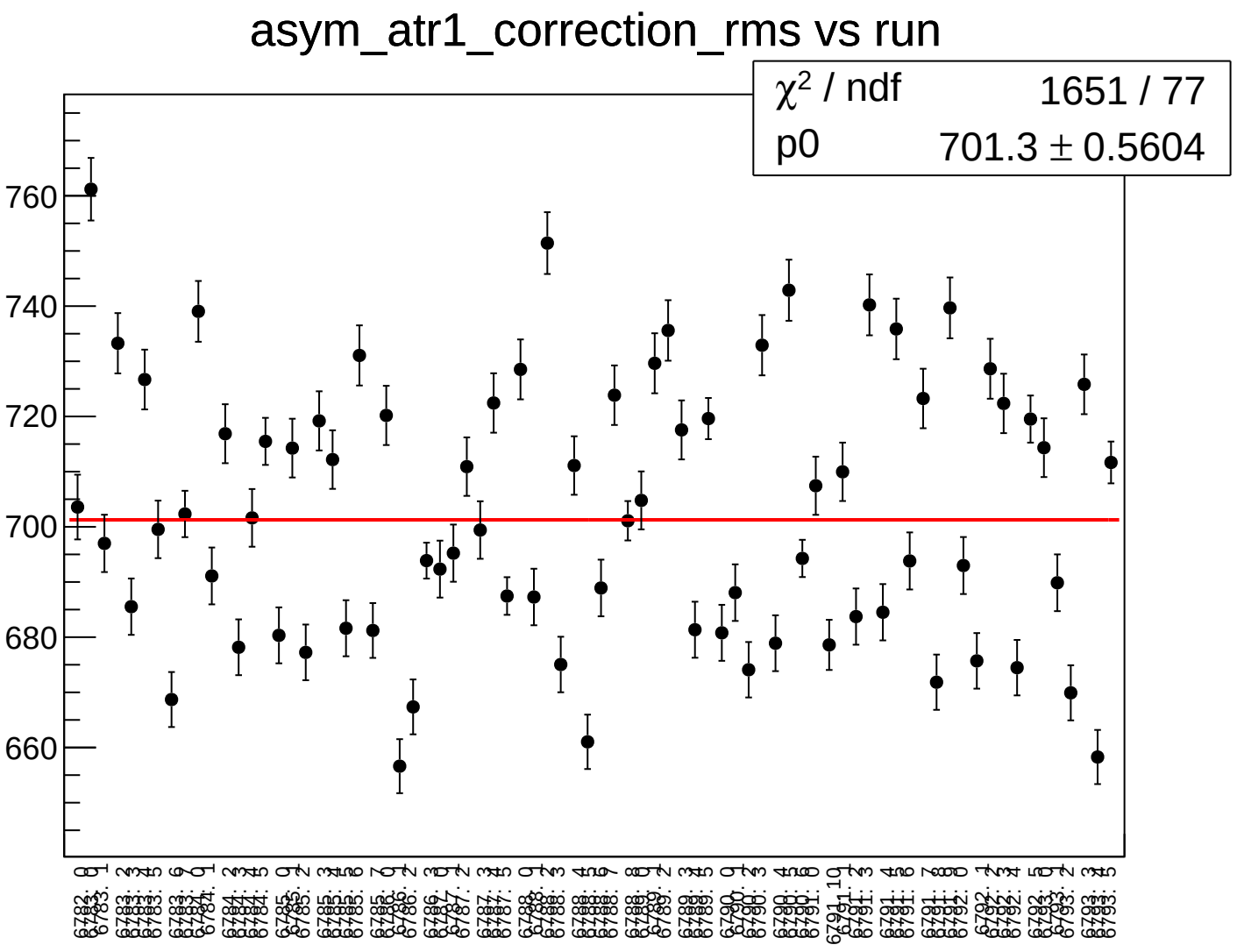

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 87.32 / 77
p0 −434 ± 3093
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 78
Mean −837
Std Dev 881.2
2
1
0
−1
−2

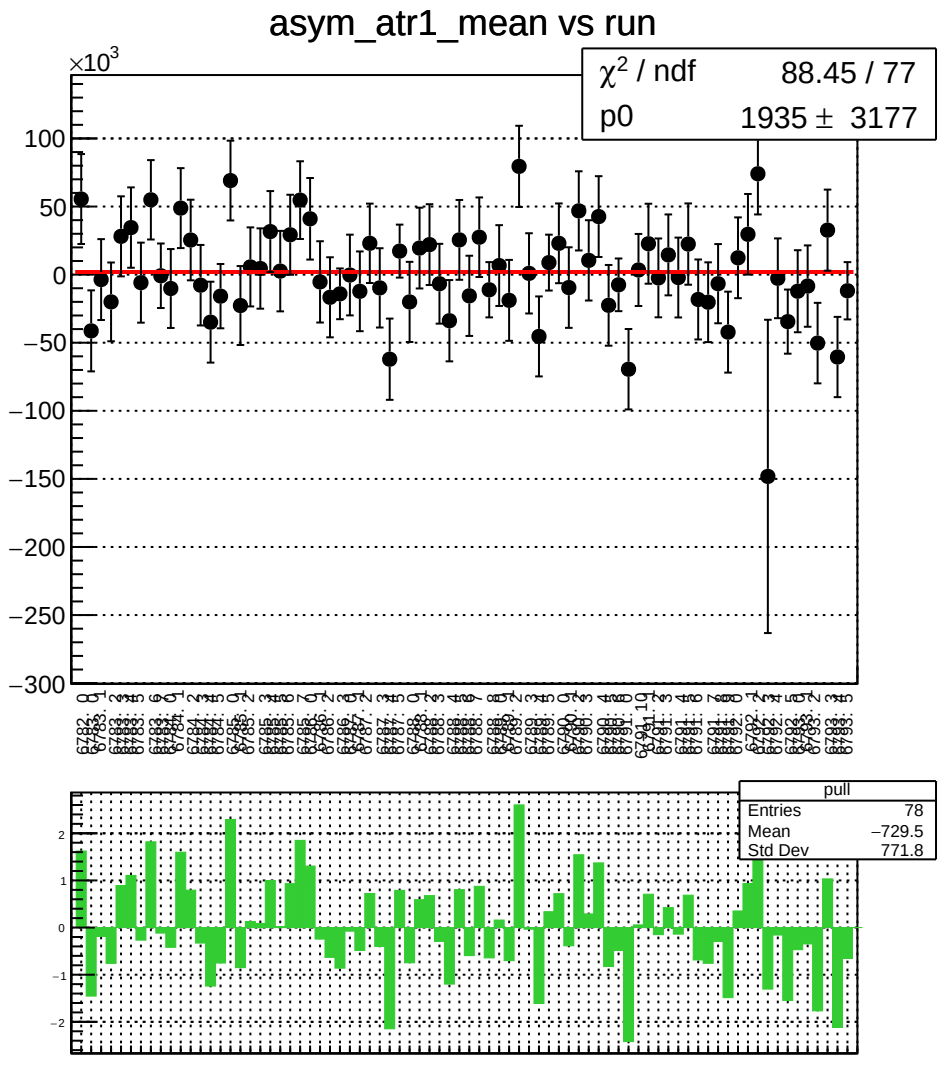

pull1D
Entries 78
Mean 0.004776
Std Dev 1.058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

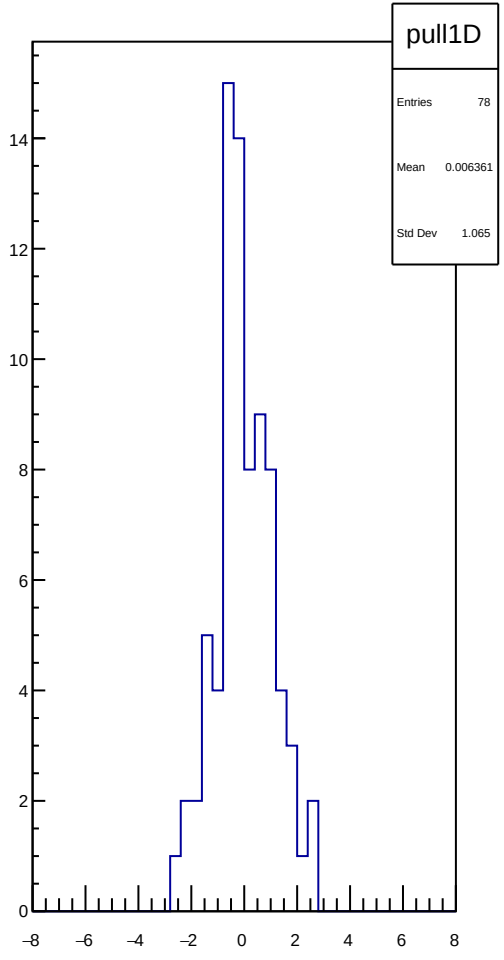

dit_asym_atr1_rms vs run
χ² / ndf 1.02e+04 / 77
p0 2729 ± 2.187
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

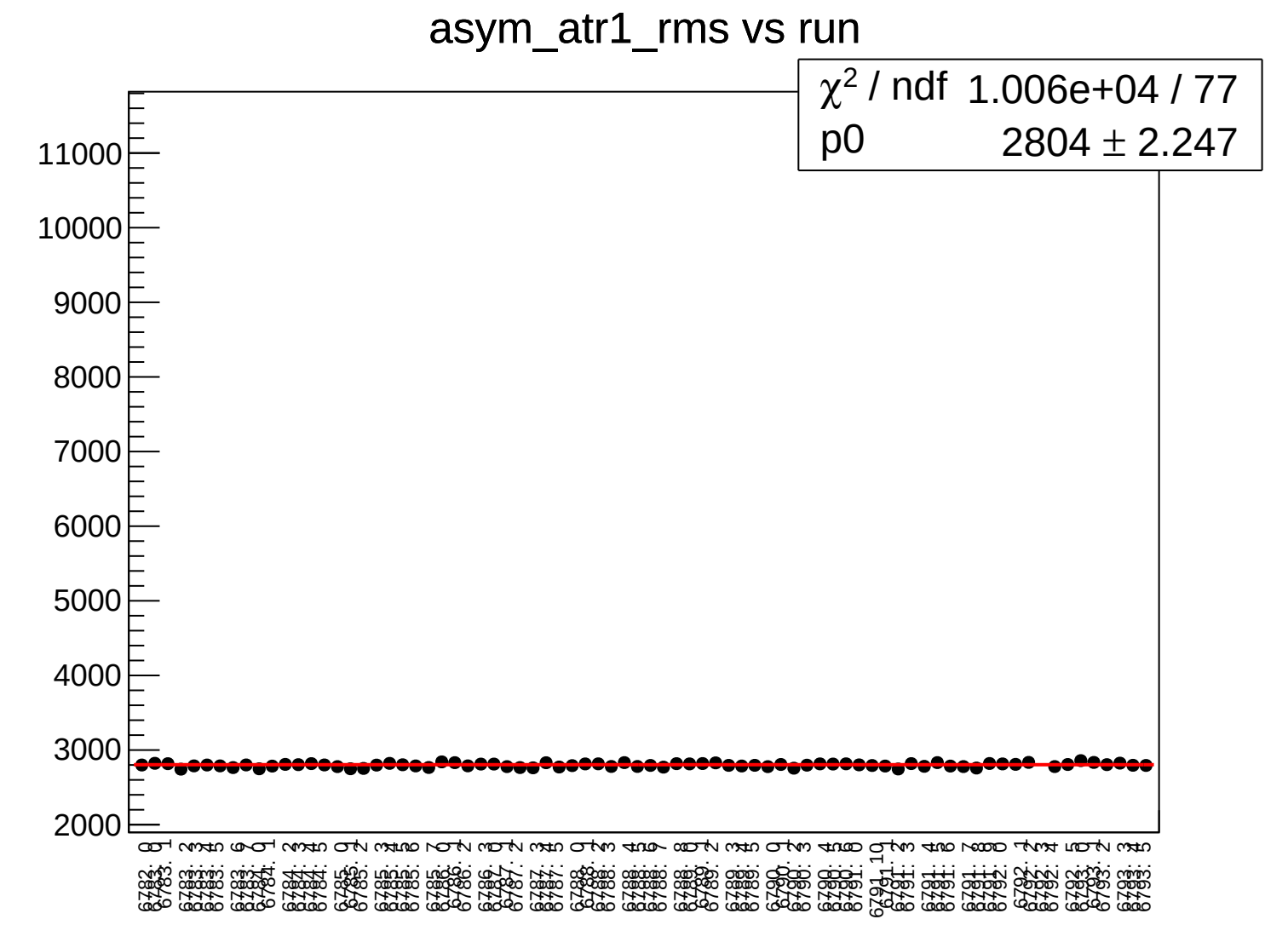

asym_atr1_correction_mean vs run
χ² / ndf 77.98 / 77
p0 −2368 ± 792.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −298.8
Std Dev 330.9
2
1
0
−1
−2

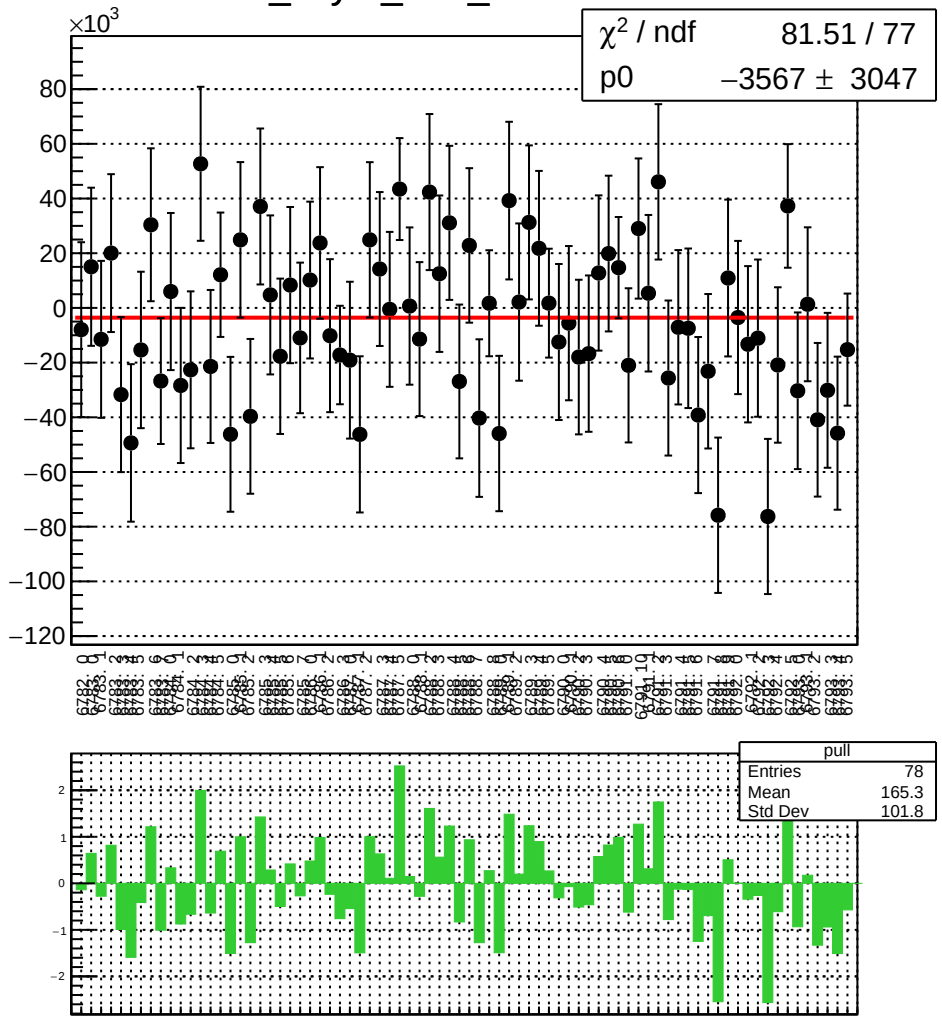

pull1D
Entries 78
Mean −0.009287
Std Dev 0.9999
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

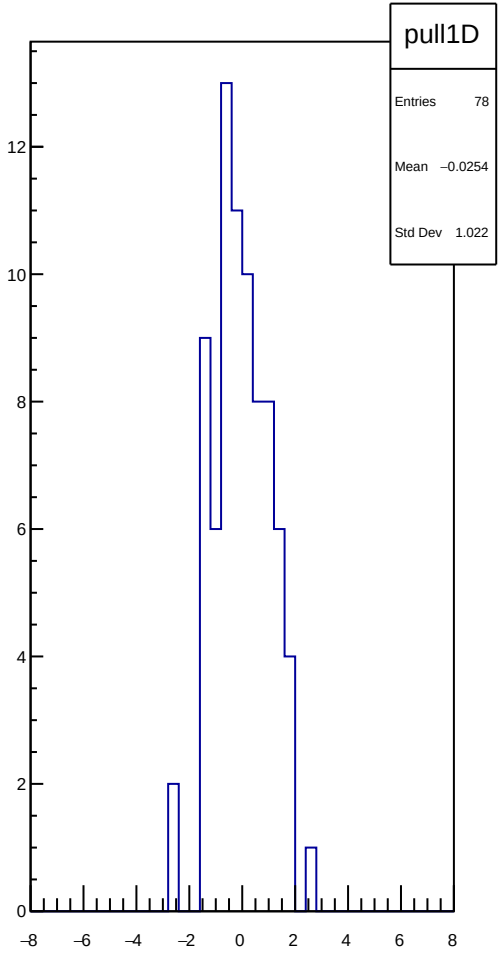

asym_atr1_correction_rms vs run
χ² / ndf 1651 / 77
p0 701.3 ± 0.5604
760
740
720
700
680
660

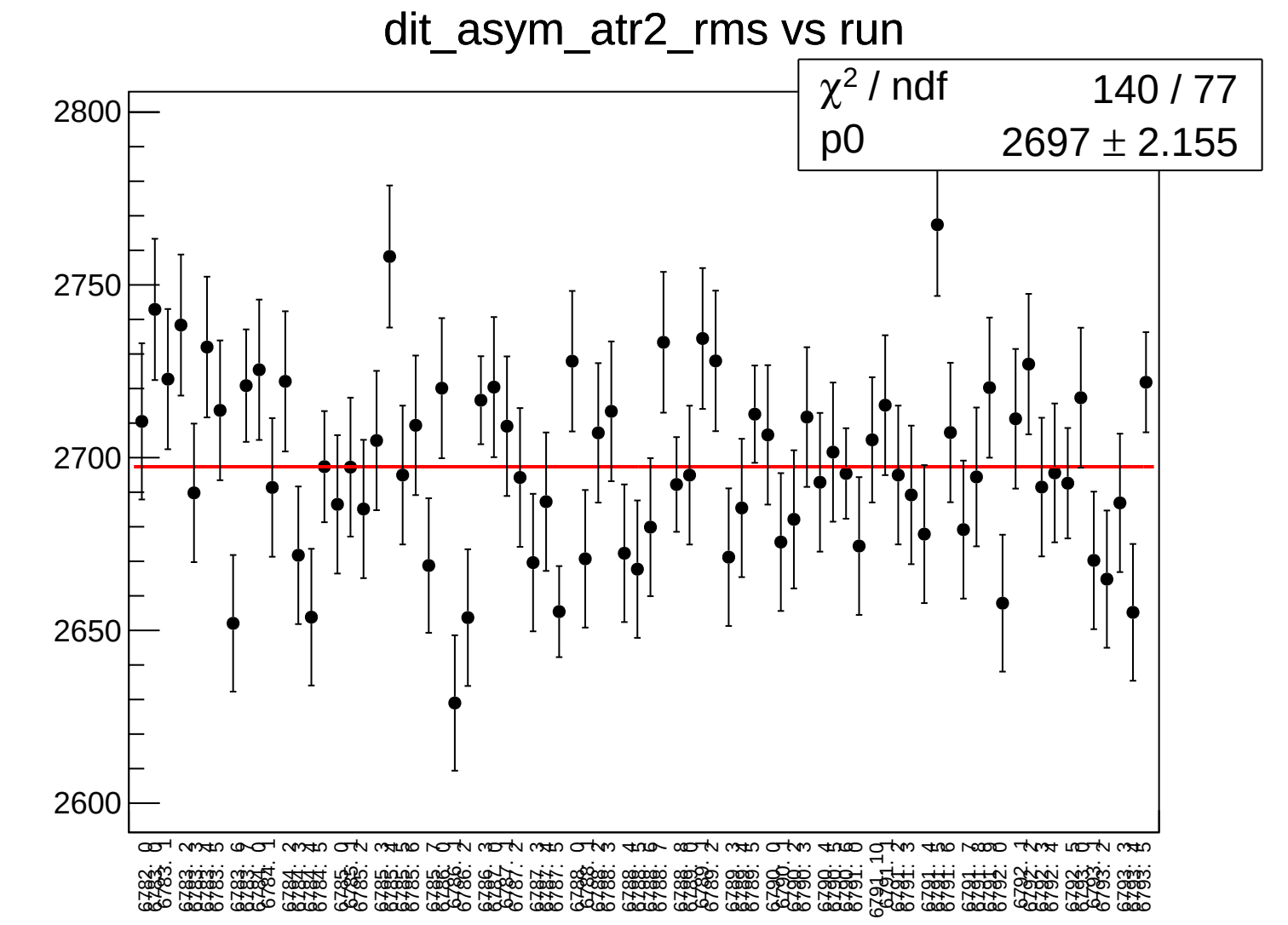

asym_atr1_mean vs run
×10^3
χ² / ndf 88.45 / 77
p0 1935 ± 3177
pull
Entries 78
Mean −729.5
Std Dev 771.8

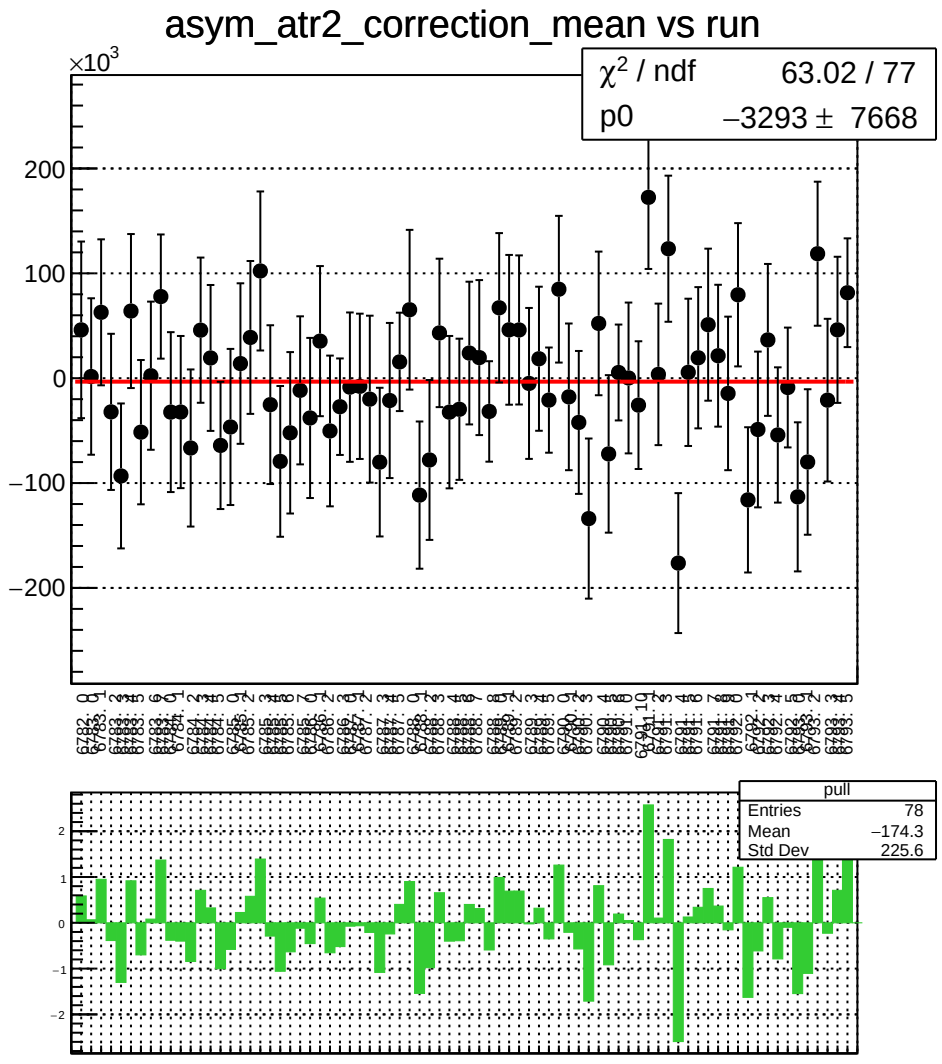

pull1D
Entries 78
Mean 0.006361
Std Dev 1.065

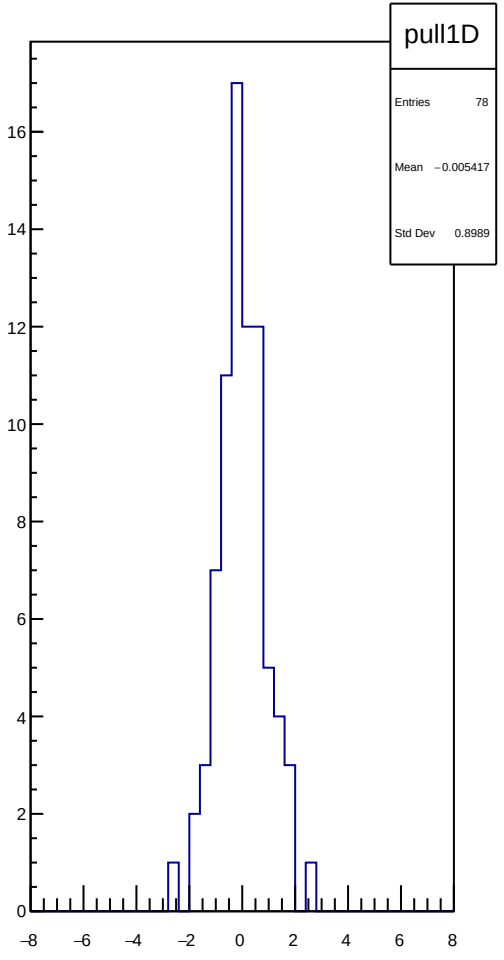

asym_atr1_rms vs run
χ^2 / ndf 1.006e+04 / 77
p0 2804 ± 2.247
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

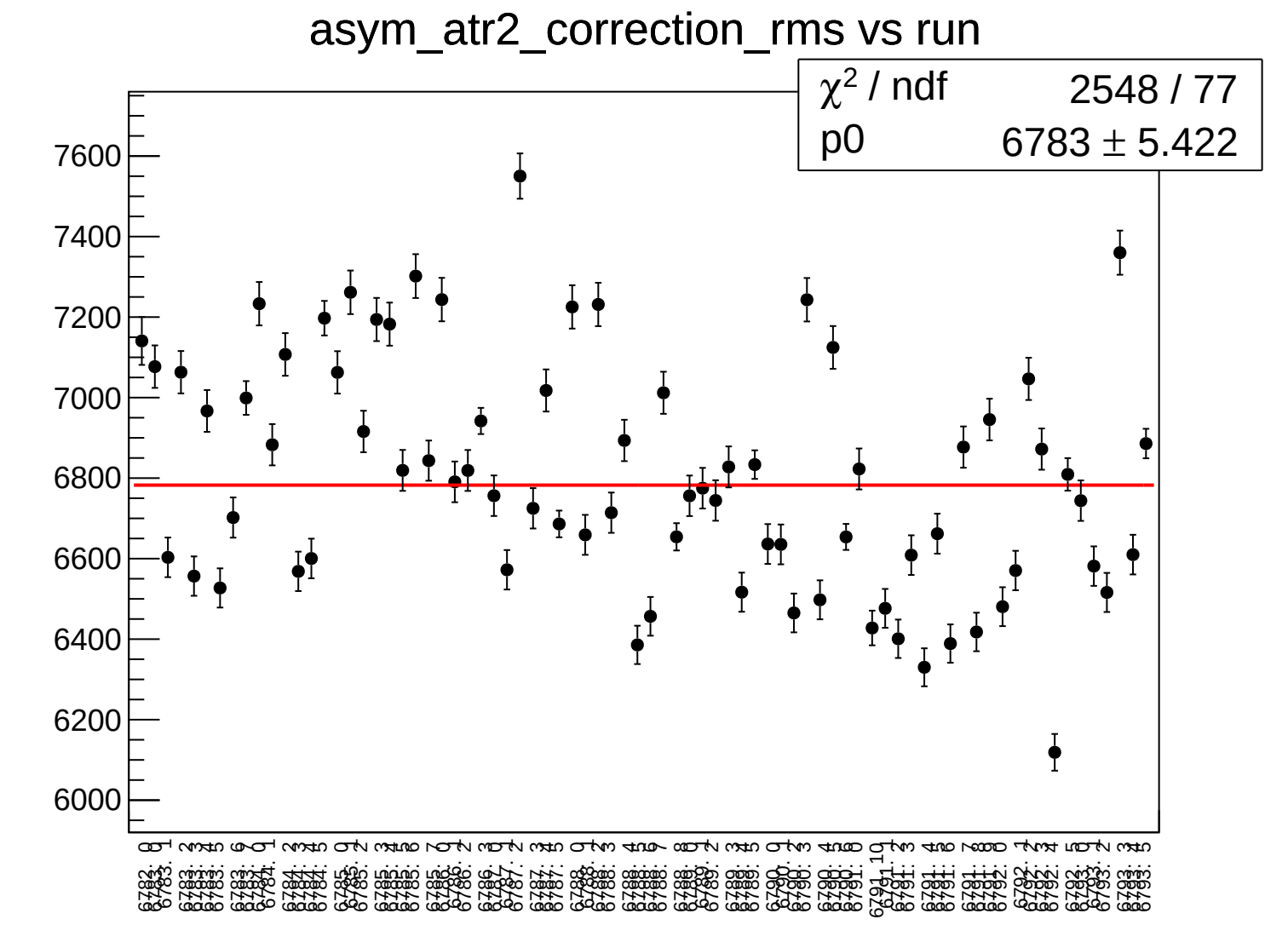

dit_asym_atr2_mean vs run
χ^2 / ndf 81.51 / 77
p0 −3567 ± 3047
×10^3
pull
Entries 78
Mean 165.3
Std Dev 101.8

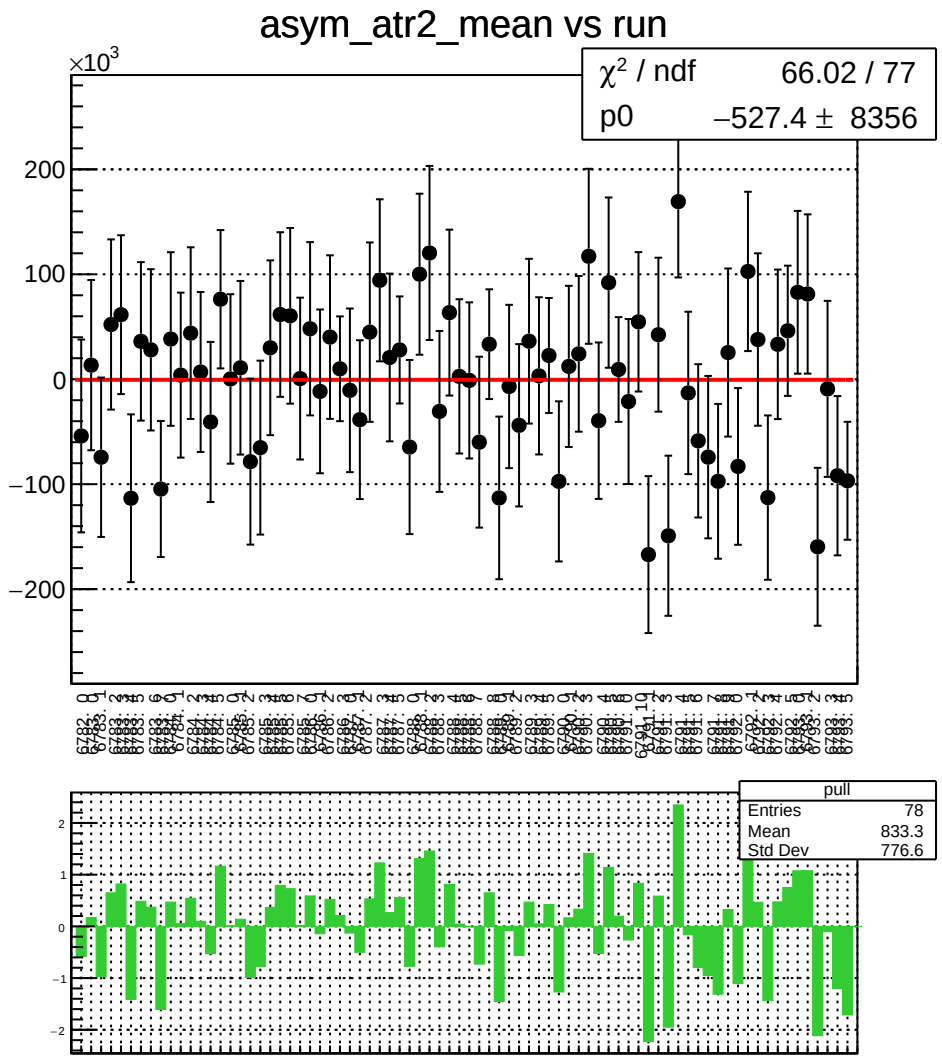

pull1D
Entries 78
Mean −0.0254
Std Dev 1.022

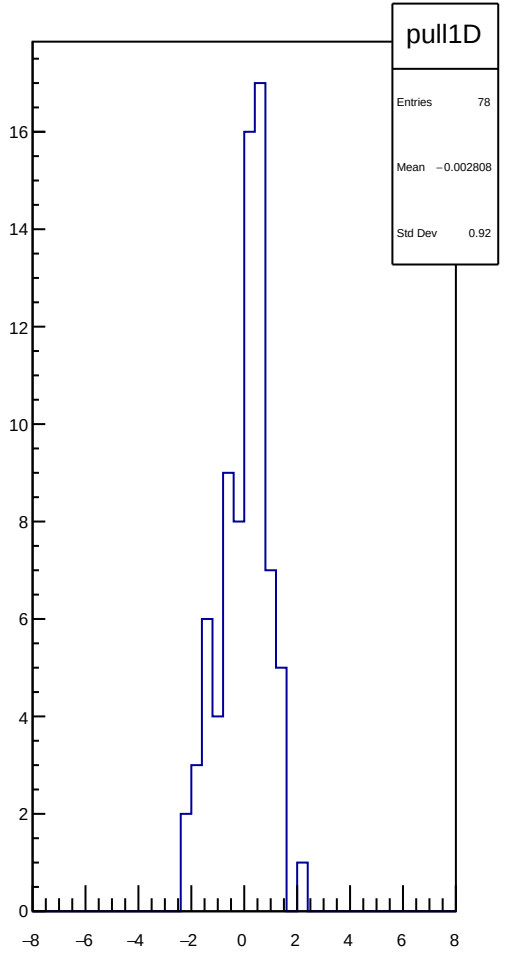

dit_asym_atr2_rms vs run
χ^2 / ndf 140 / 77
p0 2697 ± 2.155
2800
2750
2700
2650
2600

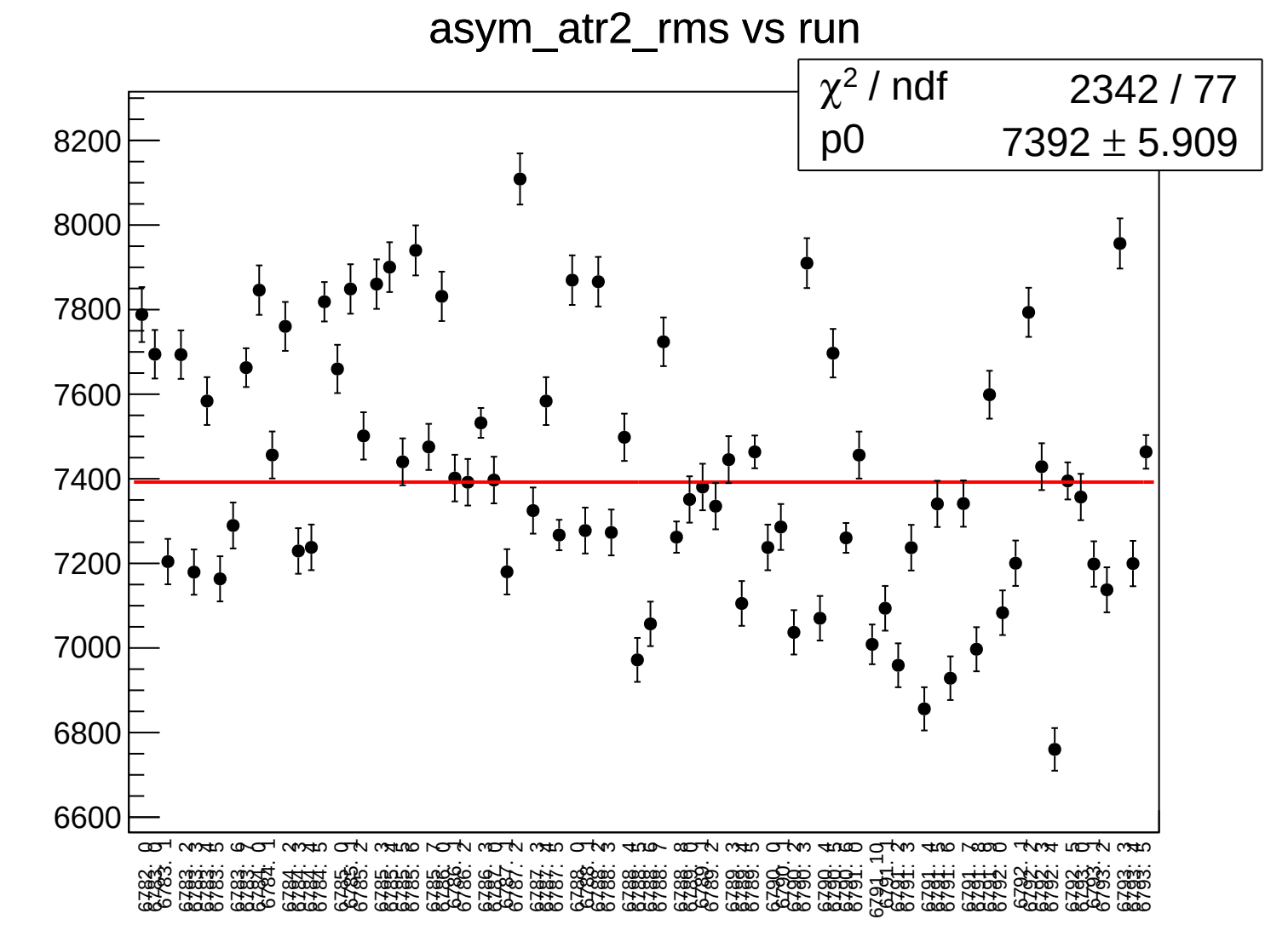

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 63.02 / 77
p0 −3293 ± 7668
200
100
0
−100
−200
pull
Entries 78
Mean −174.3
Std Dev 225.6
2
1
0
−1
−2

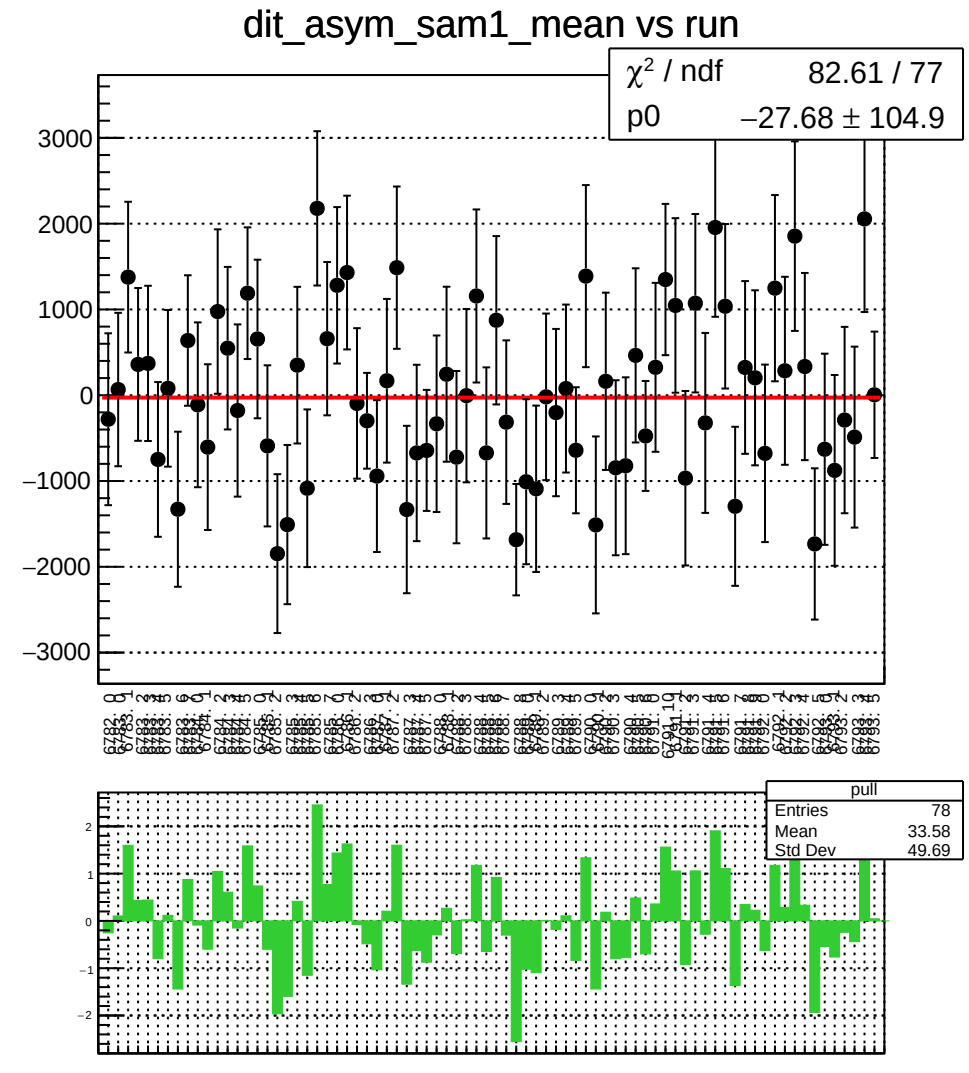

pull1D
Entries 78
Mean −0.005417
Std Dev 0.8989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

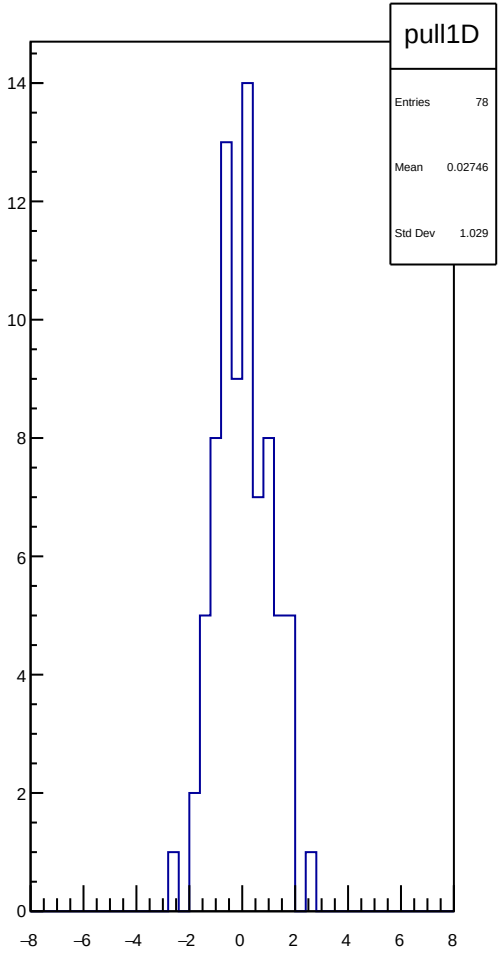

asym_atr2_correction_rms vs run
χ² / ndf 2548 / 77
p0 6783 ± 5.422
7600
7400
7200
7000
6800
6600
6400
6200
6000

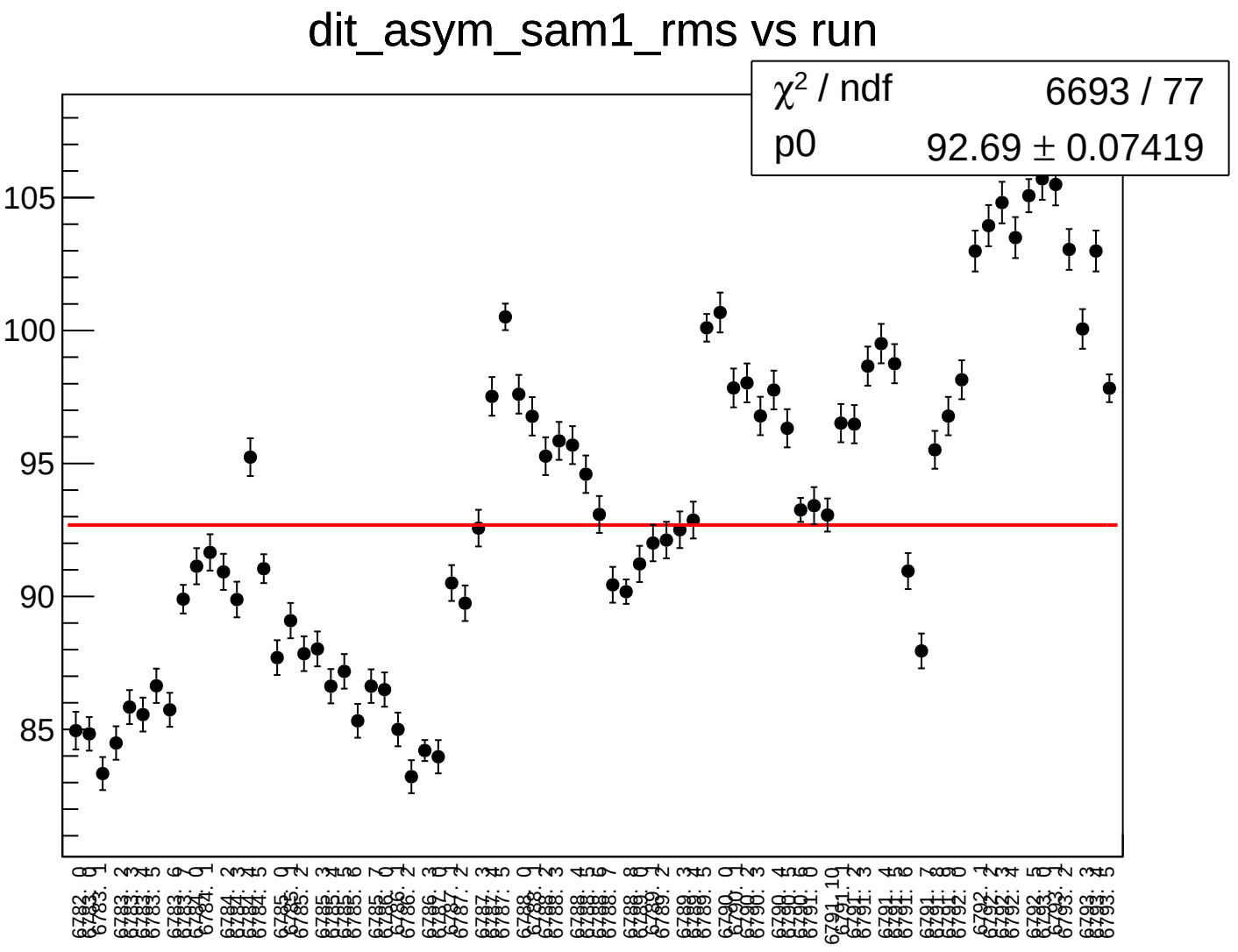

asym_atr2_mean vs run
×10^3
χ² / ndf 66.02 / 77
p0 −527.4 ± 8356
200
100
0
−100
−200
pull
Entries 78
Mean 833.3
Std Dev 776.6
2
1
0
−1
−2

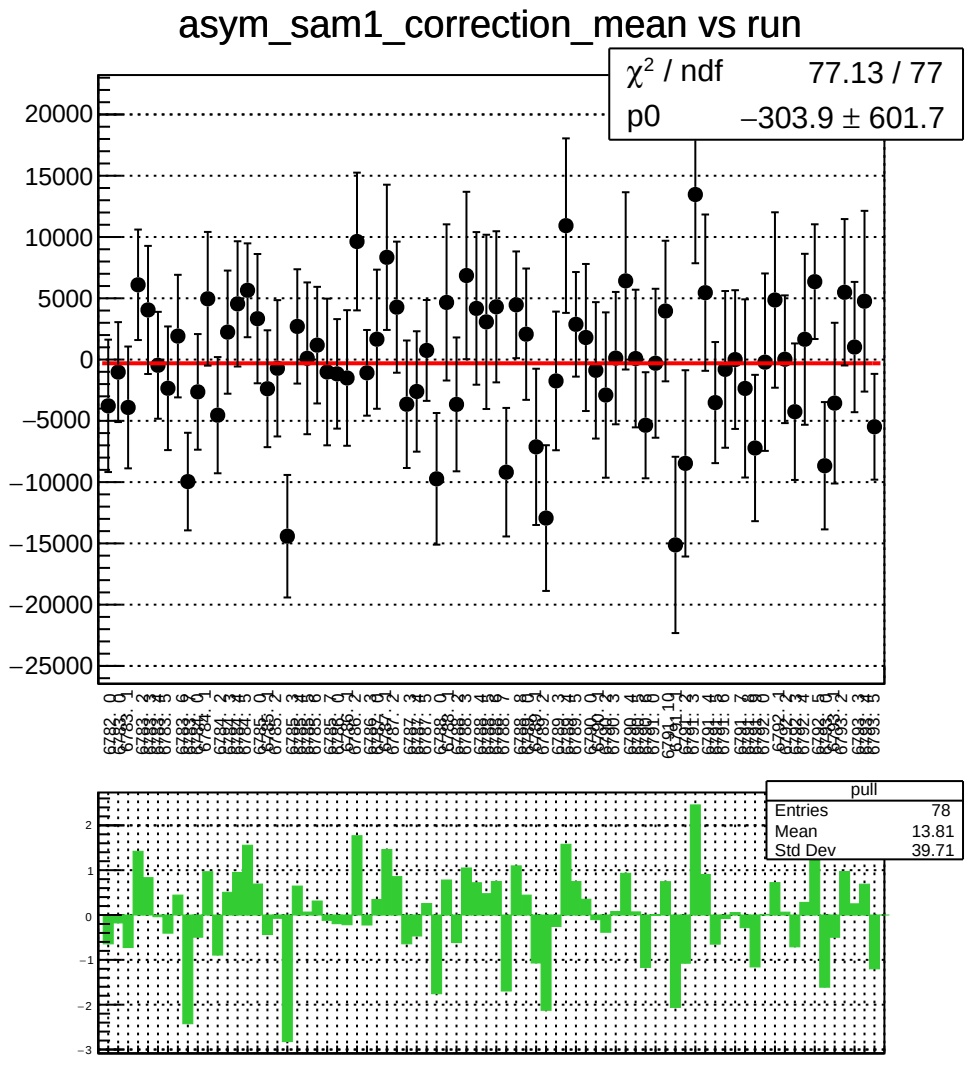

pull1D
Entries 78
Mean −0.002808
Std Dev 0.92
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

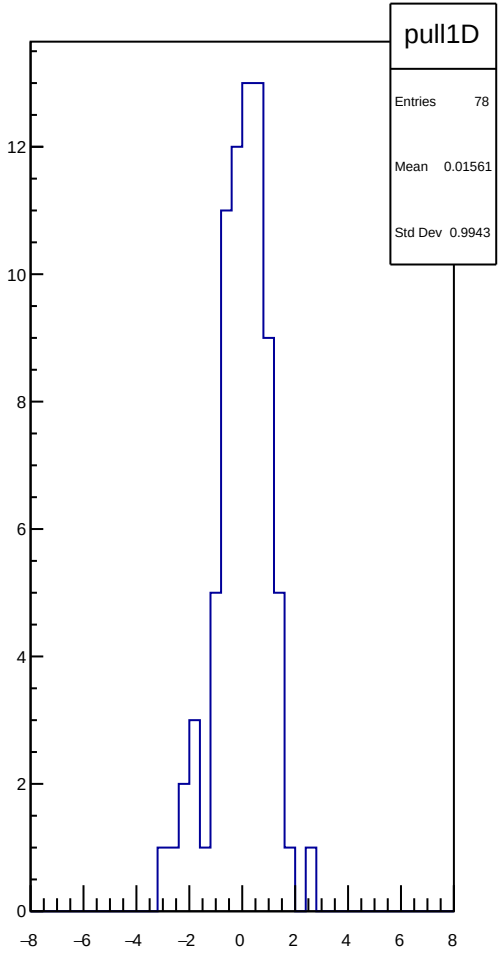

asym_atr2_rms vs run
χ² / ndf 2342 / 77
p0 7392 ± 5.909
8200
8000
7800
7600
7400
7200
7000
6800
6600

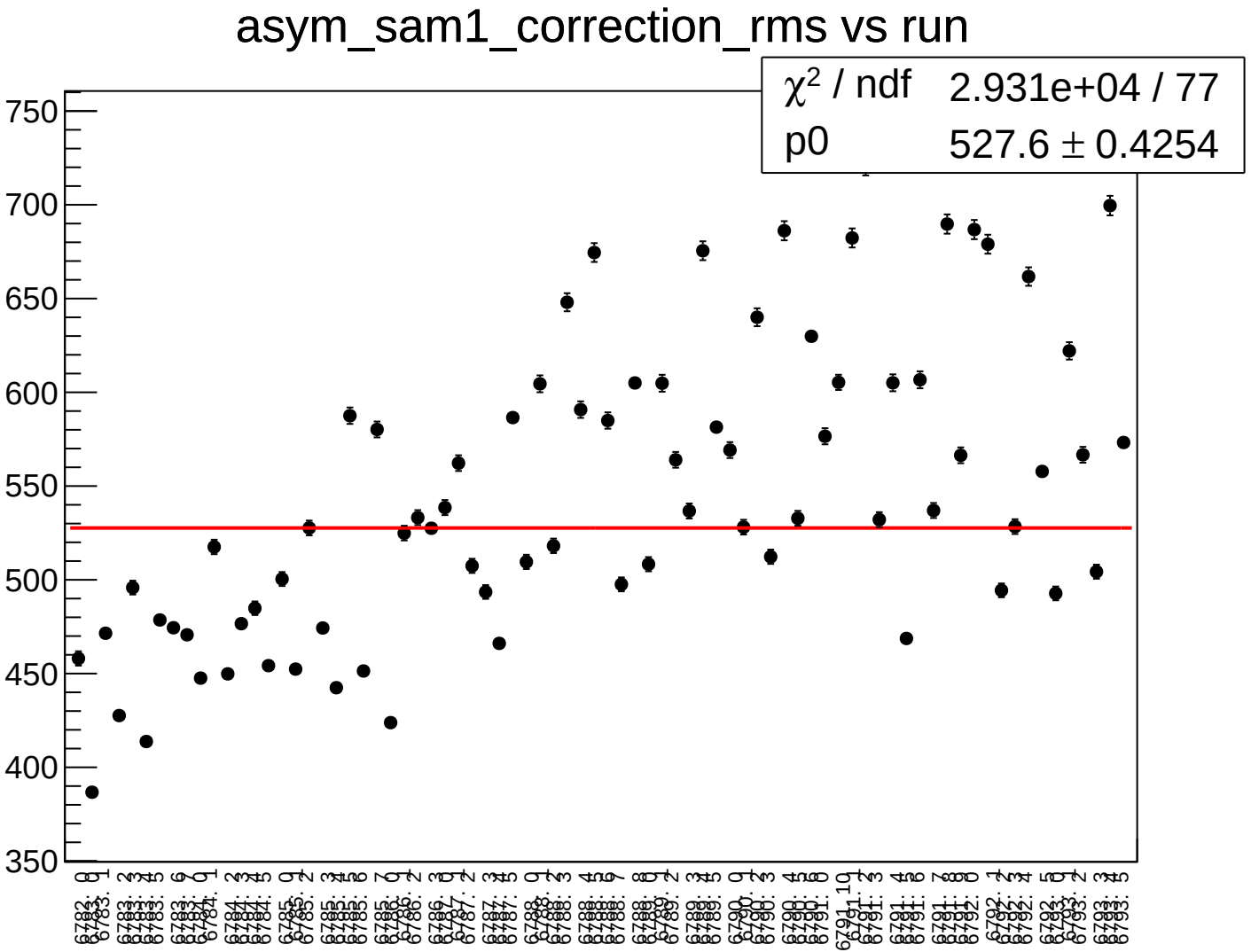

dit_asym_sam1_mean vs run
χ² / ndf 82.61 / 77
p0 −27.68 ± 104.9
pull
Entries 78
Mean 33.58
Std Dev 49.69

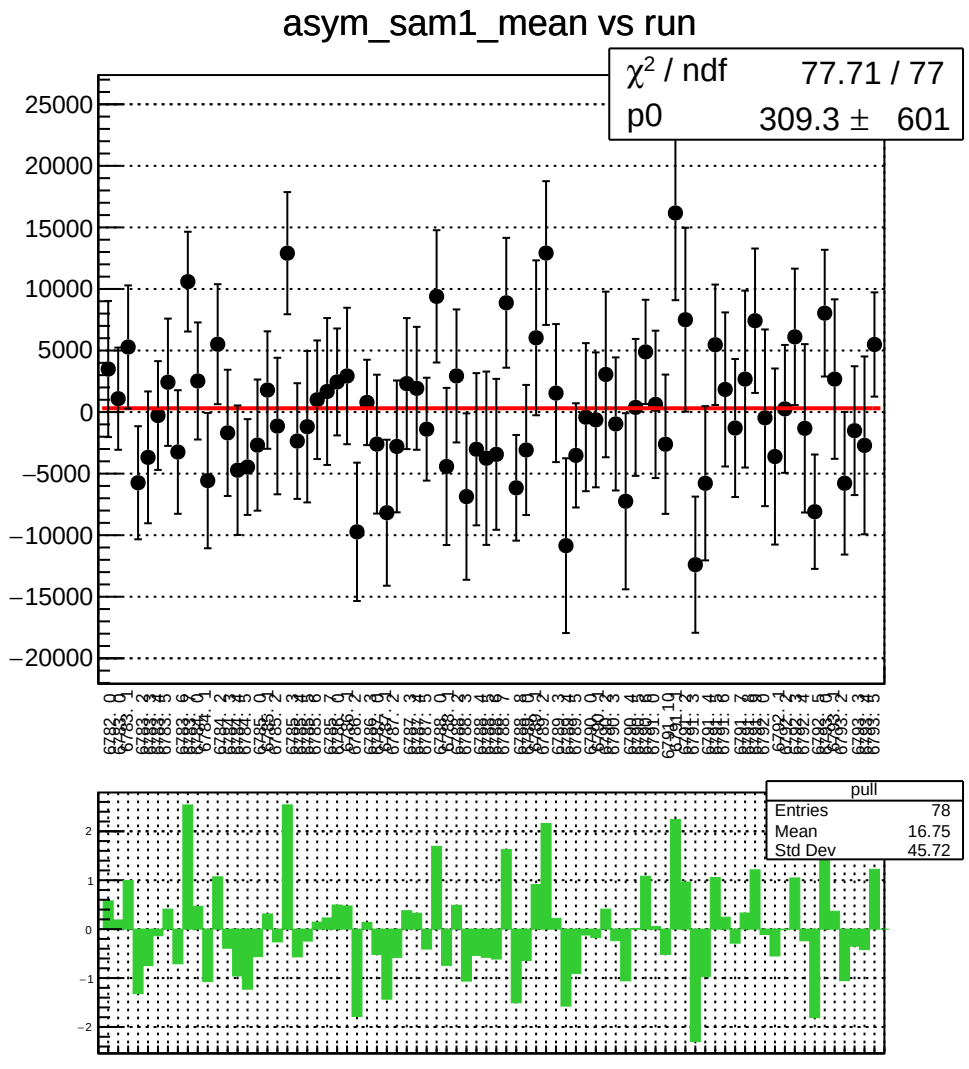

pull1D
Entries 78
Mean 0.02746
Std Dev 1.029

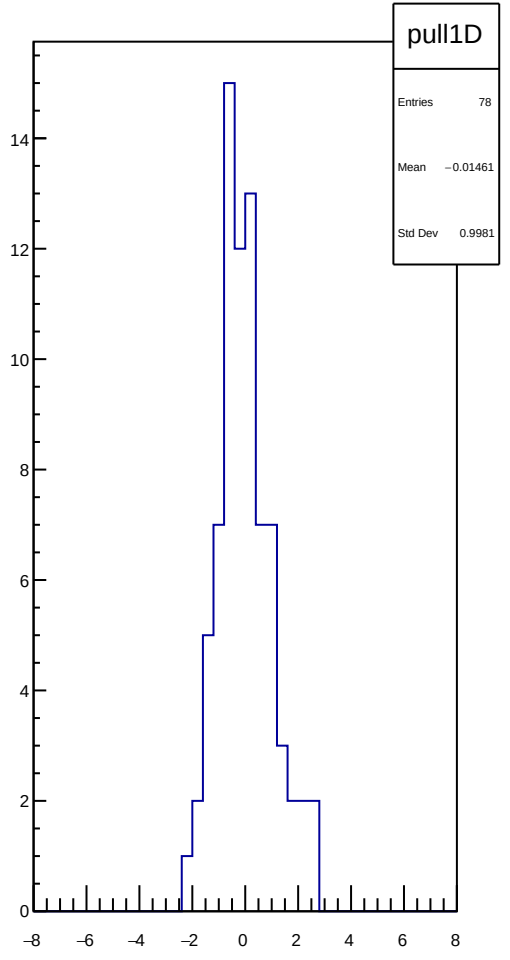

dit_asym_sam1_rms vs run
χ² / ndf 6693 / 77
p0 92.69 ± 0.07419
105
100
95
90
85

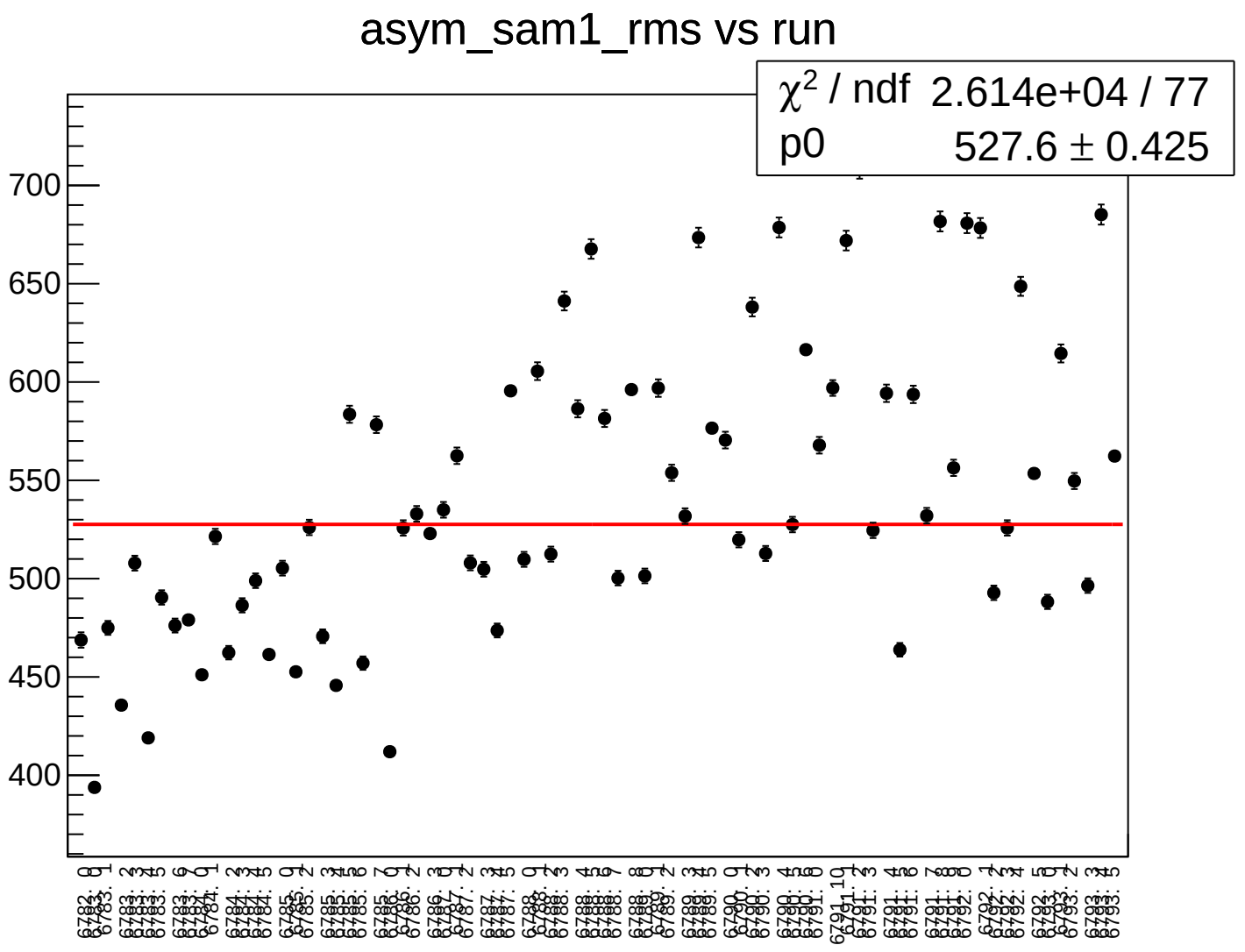

asym_sam1_correction_mean vs run
χ² / ndf 77.13 / 77
p0 −303.9 ± 601.7
pull
Entries 78
Mean 13.81
Std Dev 39.71

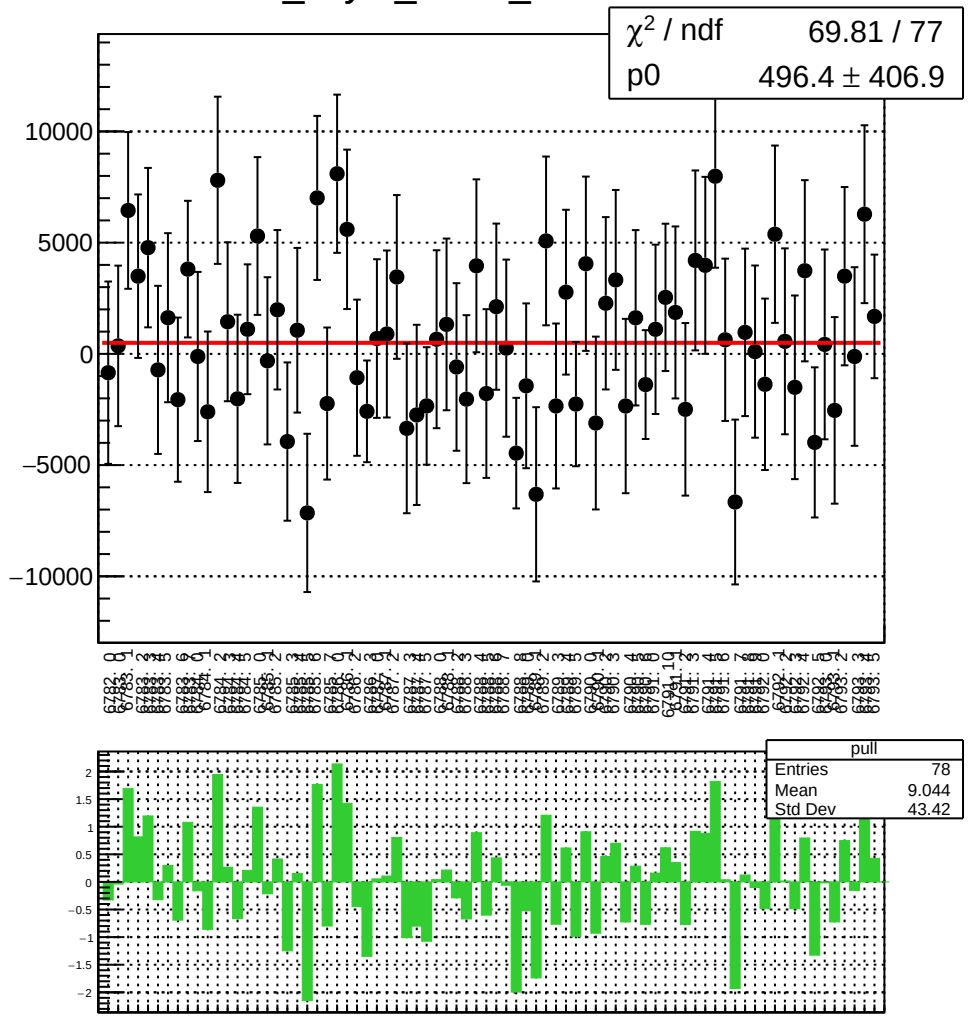

pull1D
Entries 78
Mean 0.01561
Std Dev 0.9943

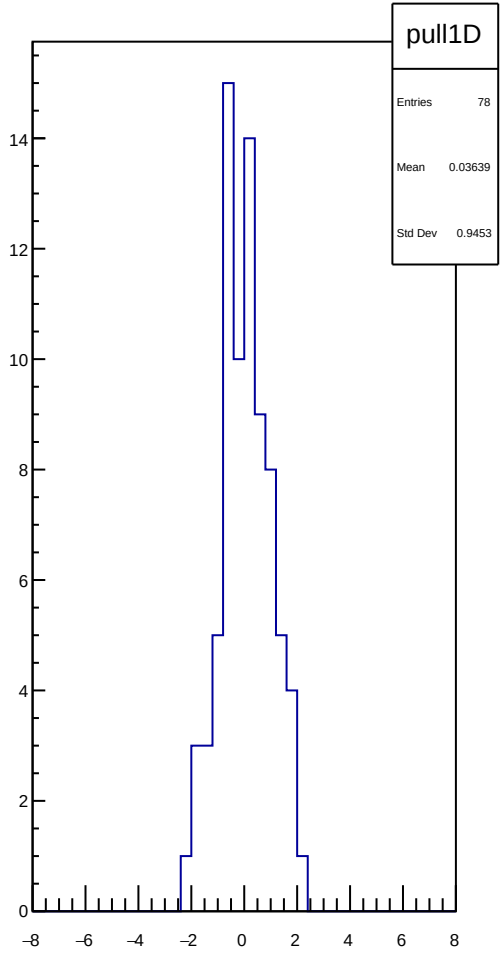

asym_sam1_correction_rms vs run
χ² / ndf 2.931e+04 / 77
p0 527.6 ± 0.4254
750
700
650
600
550
500
450
400
350

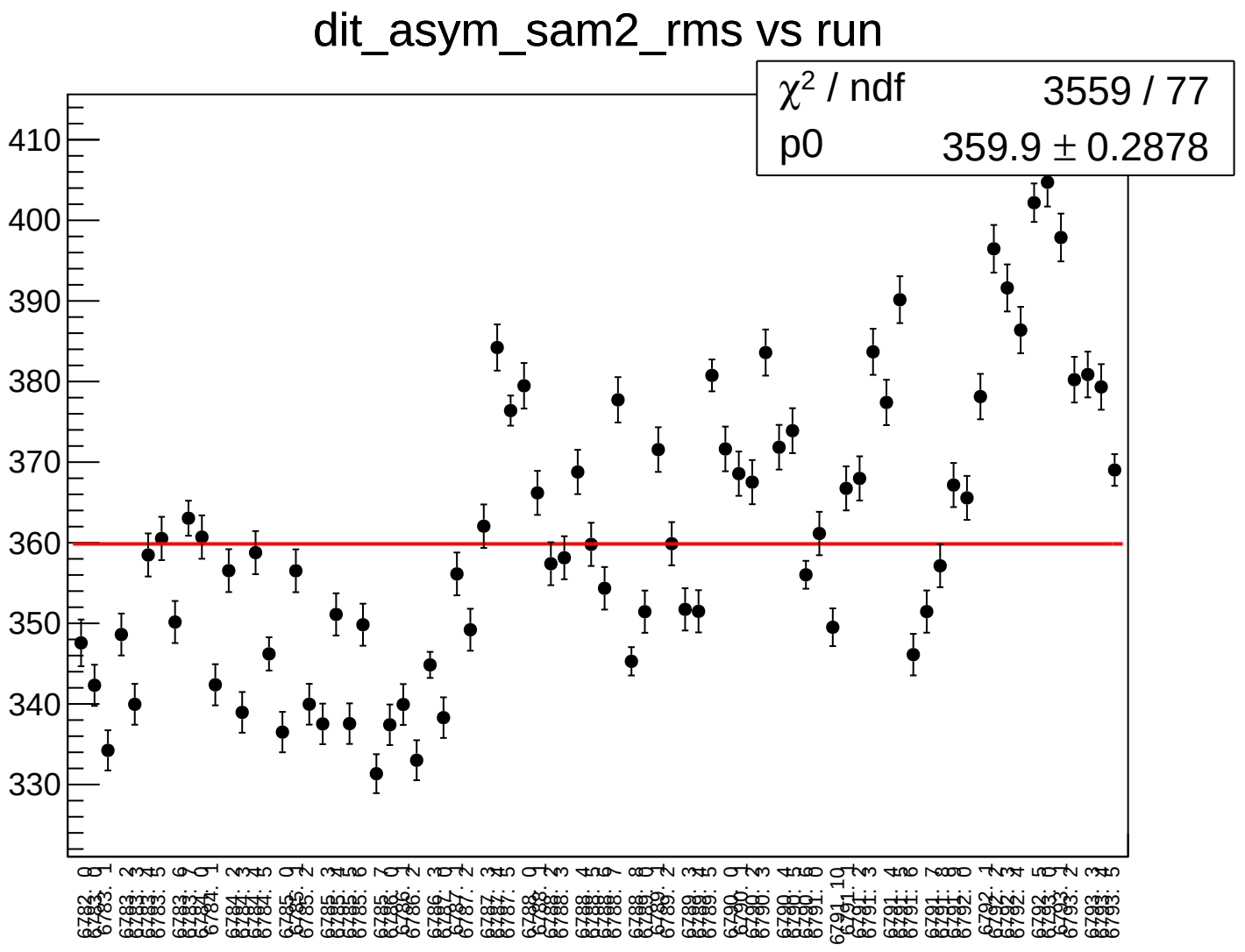

asym_sam1_mean vs run
χ² / ndf 77.71 / 77
p0 309.3 ± 601
pull
Entries 78
Mean 16.75
Std Dev 45.72

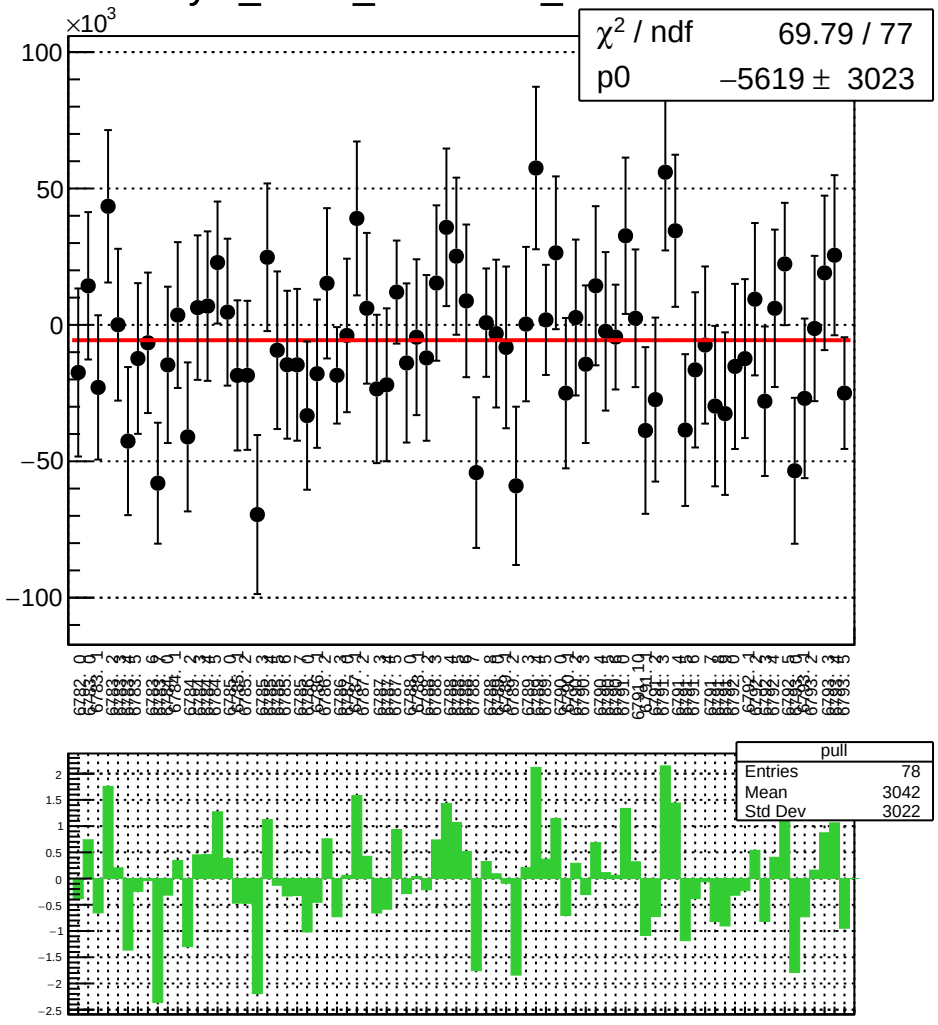

pull1D
Entries 78
Mean −0.01461
Std Dev 0.9981

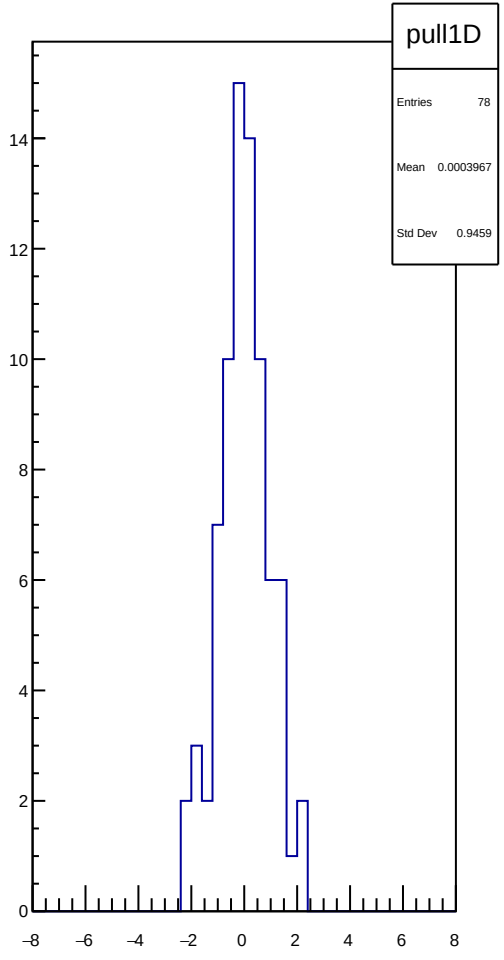

asym_sam1_rms vs run
χ² / ndf 2.614e+04 / 77
p0 527.6 ± 0.425
700
650
600
550
500
450
400

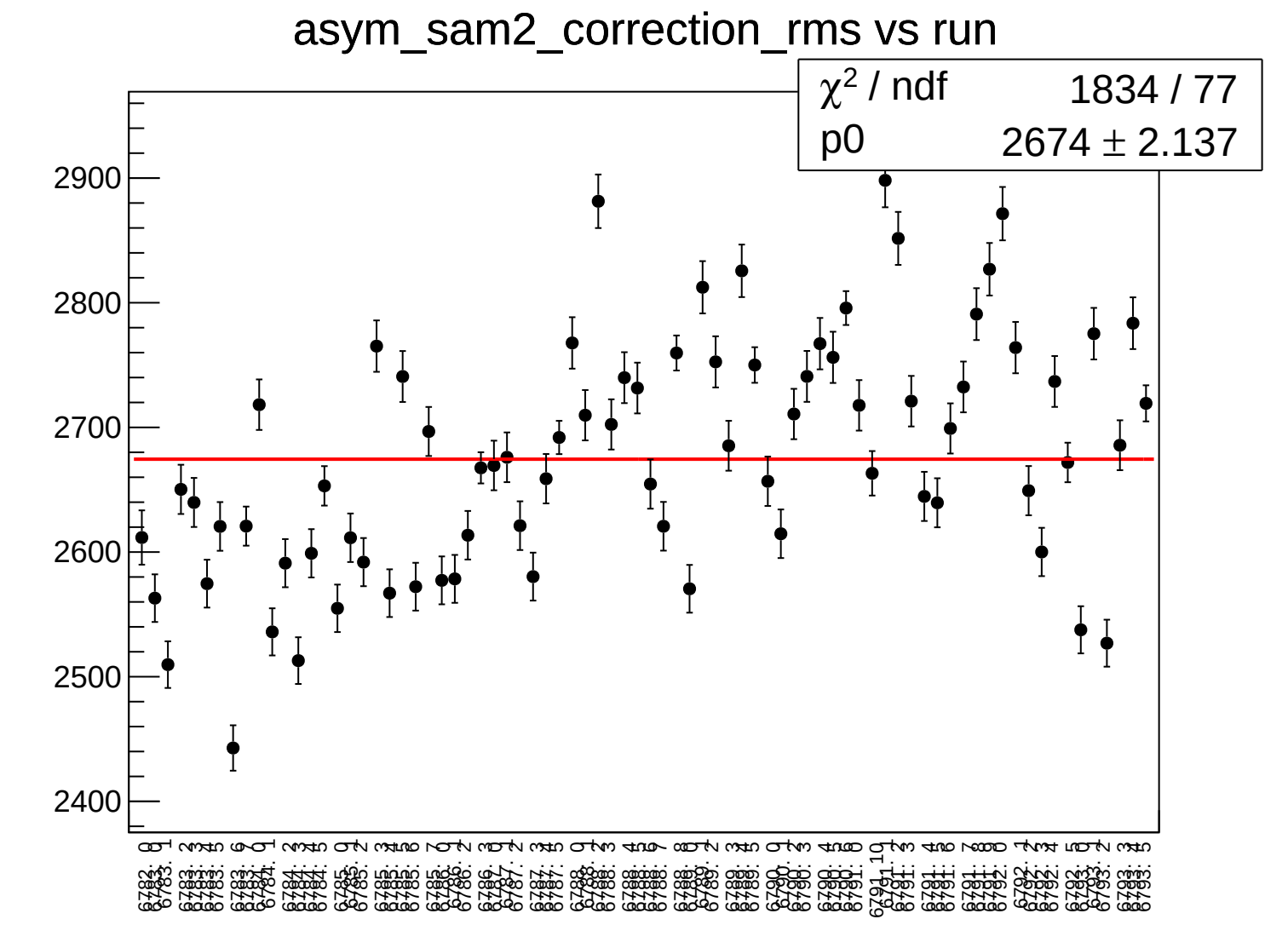

dit_asym_sam2_mean vs run
χ^2 / ndf 69.81 / 77
p0 496.4 ± 406.9
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 9.044
Std Dev 43.42
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

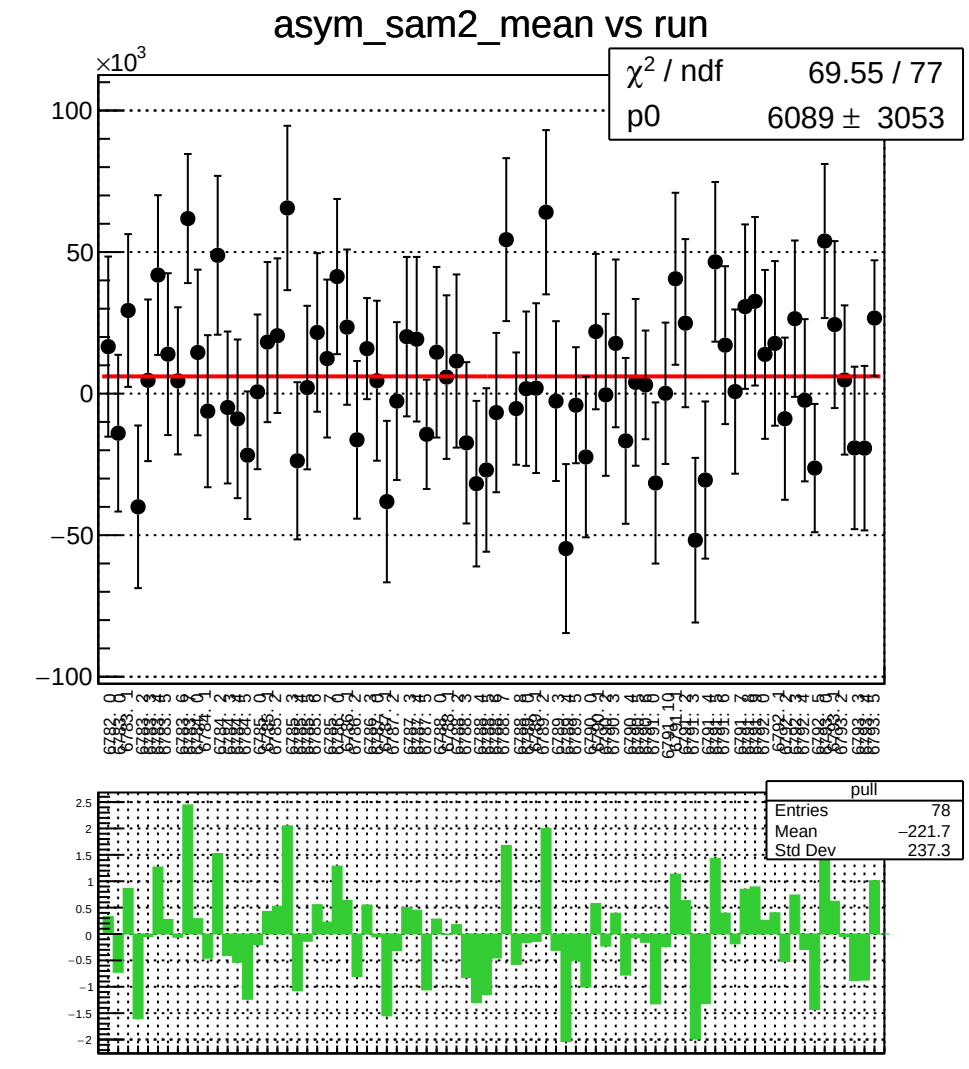

pull1D
Entries 78
Mean 0.03639
Std Dev 0.9453
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

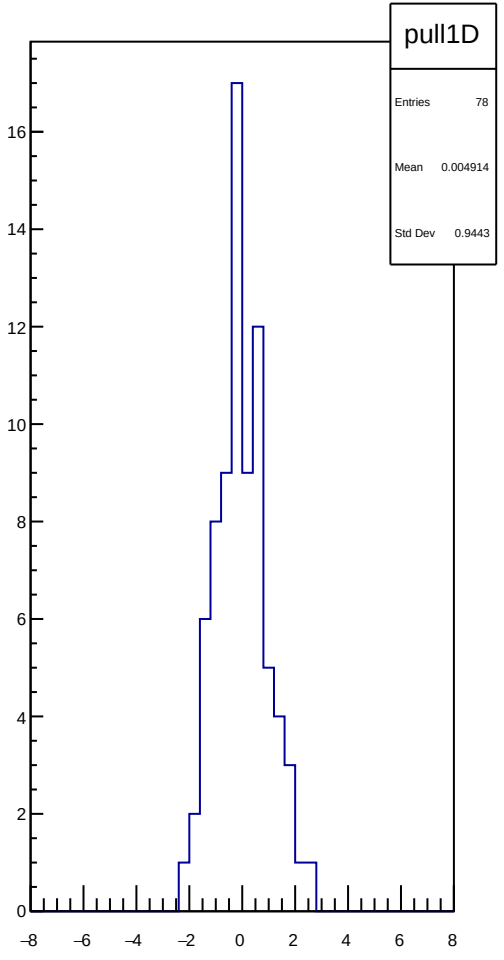

dit_asym_sam2_rms vs run
χ² / ndf 3559 / 77
p0 359.9 ± 0.2878
410
400
390
380
370
360
350
340
330

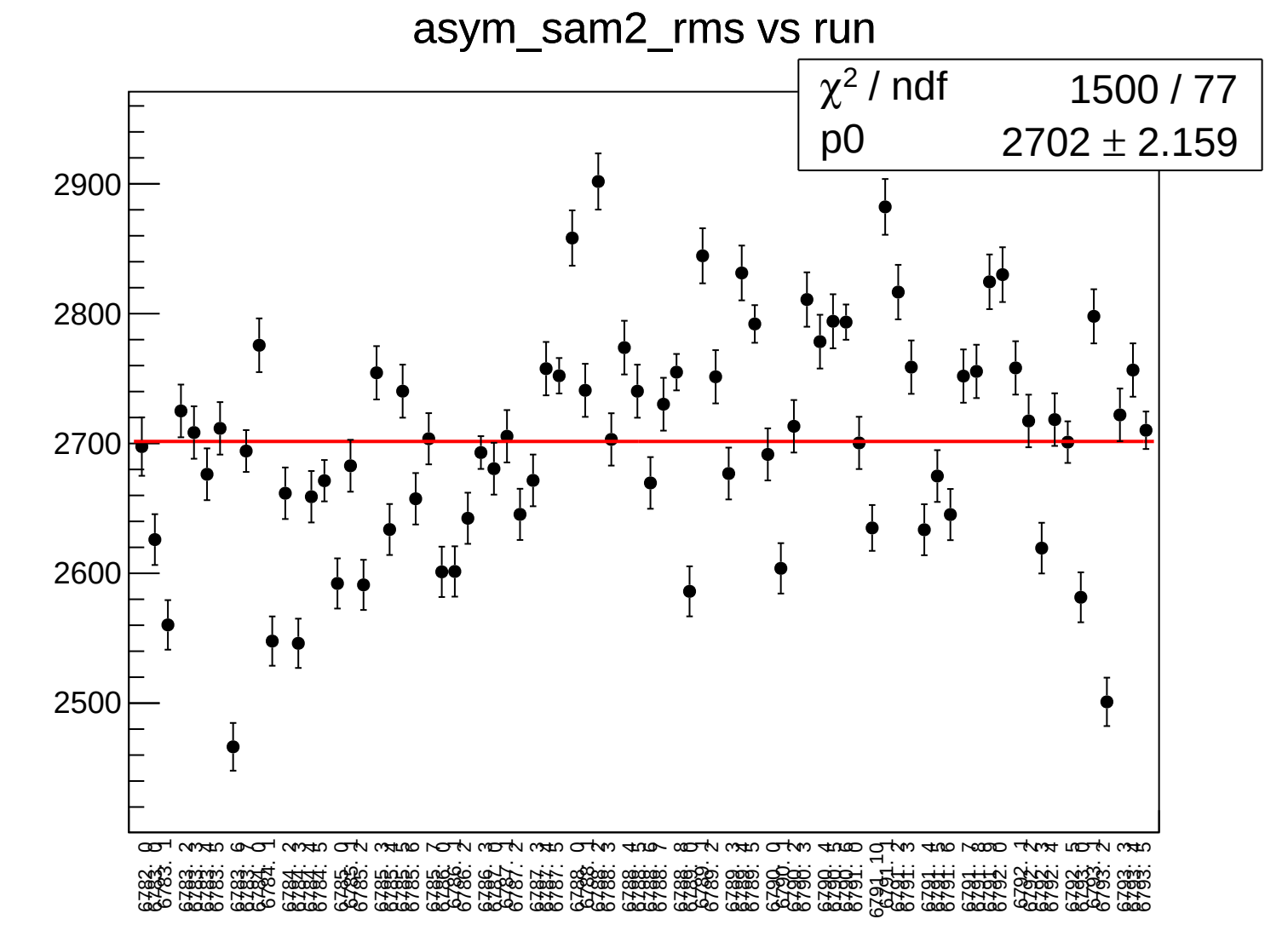

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 69.79 / 77
p0 −5619 ± 3023
pull
Entries 78
Mean 3042
Std Dev 3022

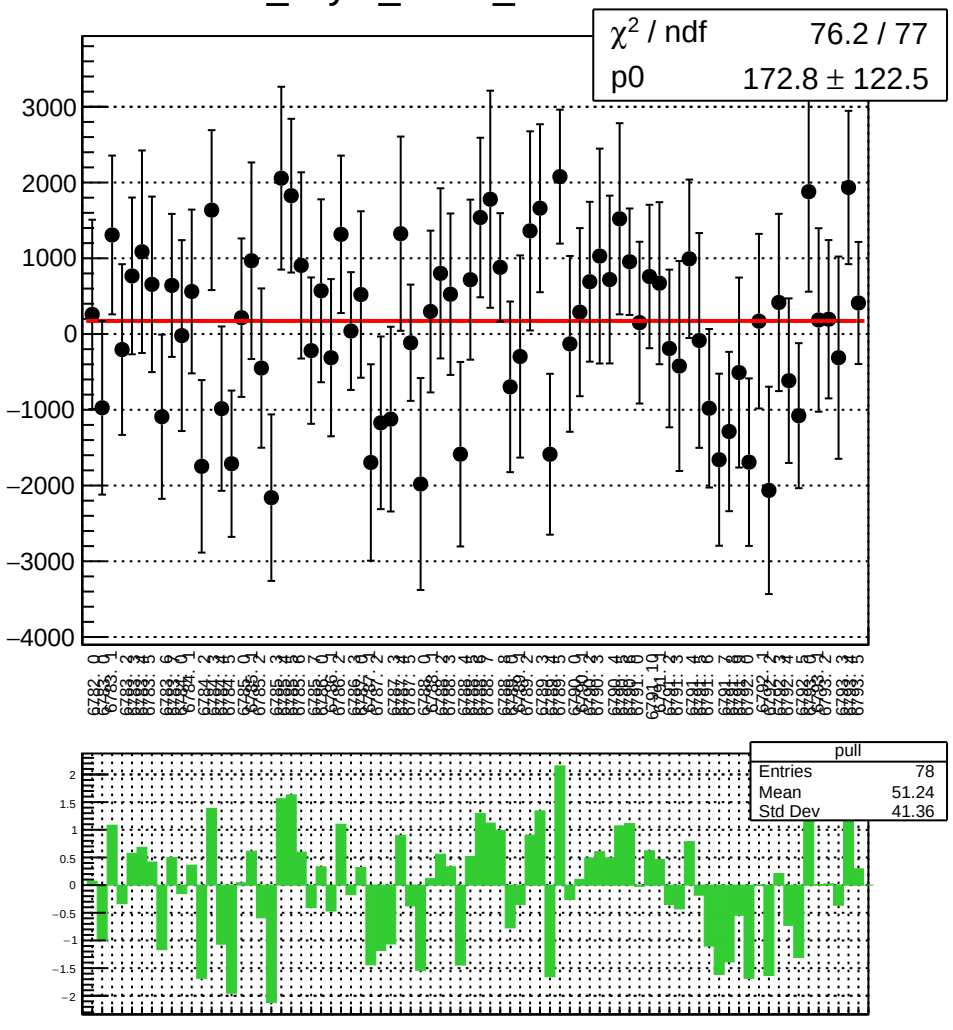

pull1D
Entries 78
Mean 0.0003967
Std Dev 0.9459

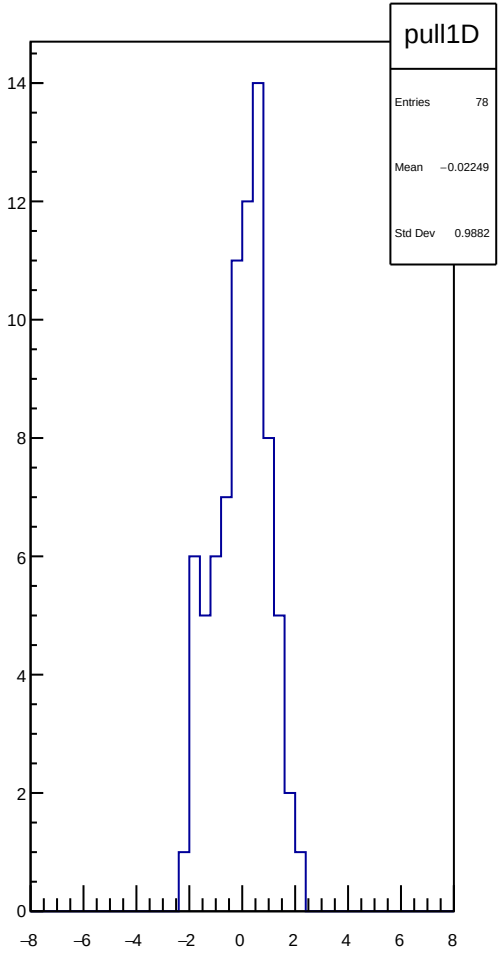

asym_sam2_correction_rms vs run
χ² / ndf 1834 / 77
p0 2674 ± 2.137
2900
2800
2700
2600
2500
2400

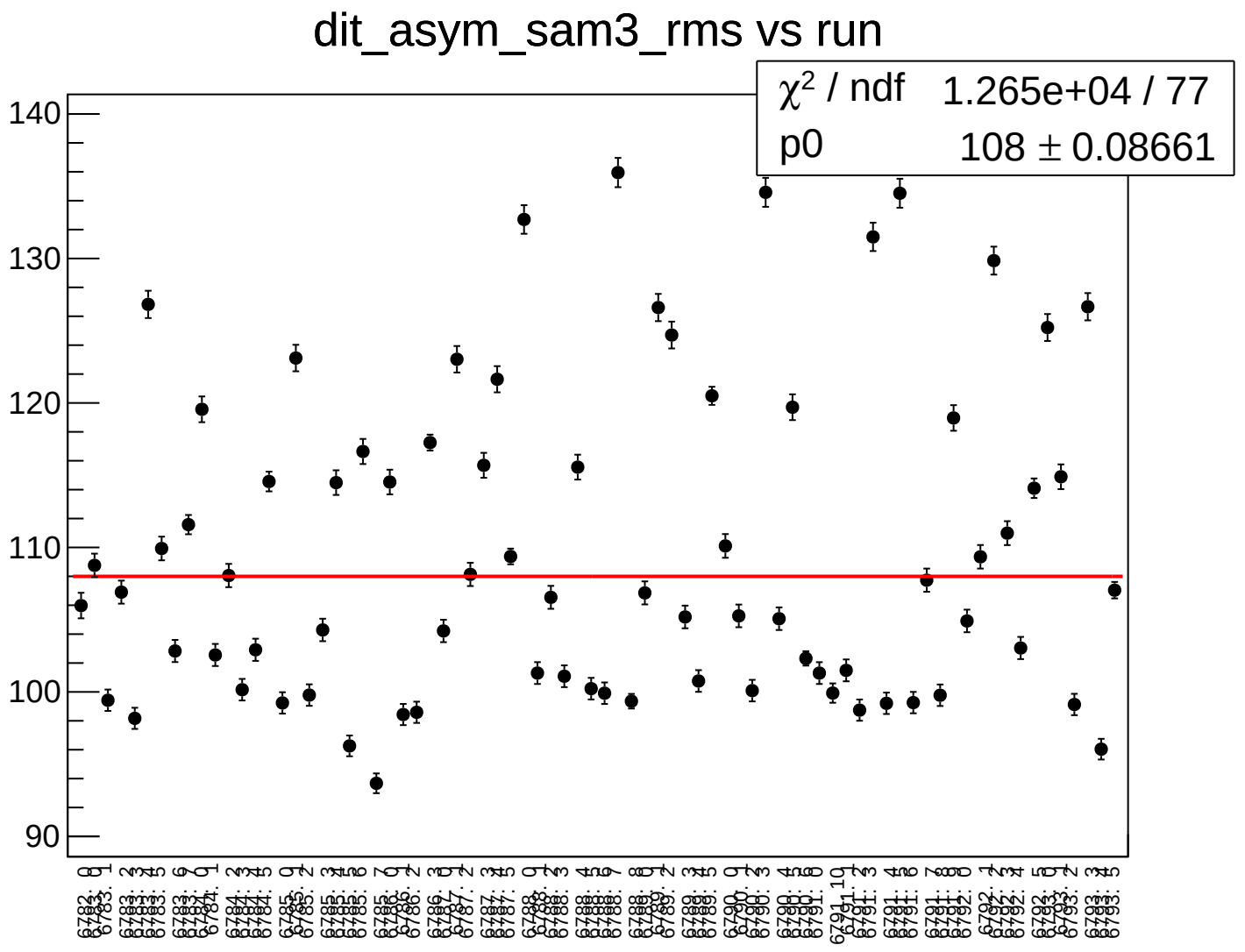

asym_sam2_mean vs run
×10^3
χ² / ndf 69.55 / 77
p0 6089 ± 3053
pull
Entries 78
Mean −221.7
Std Dev 237.3

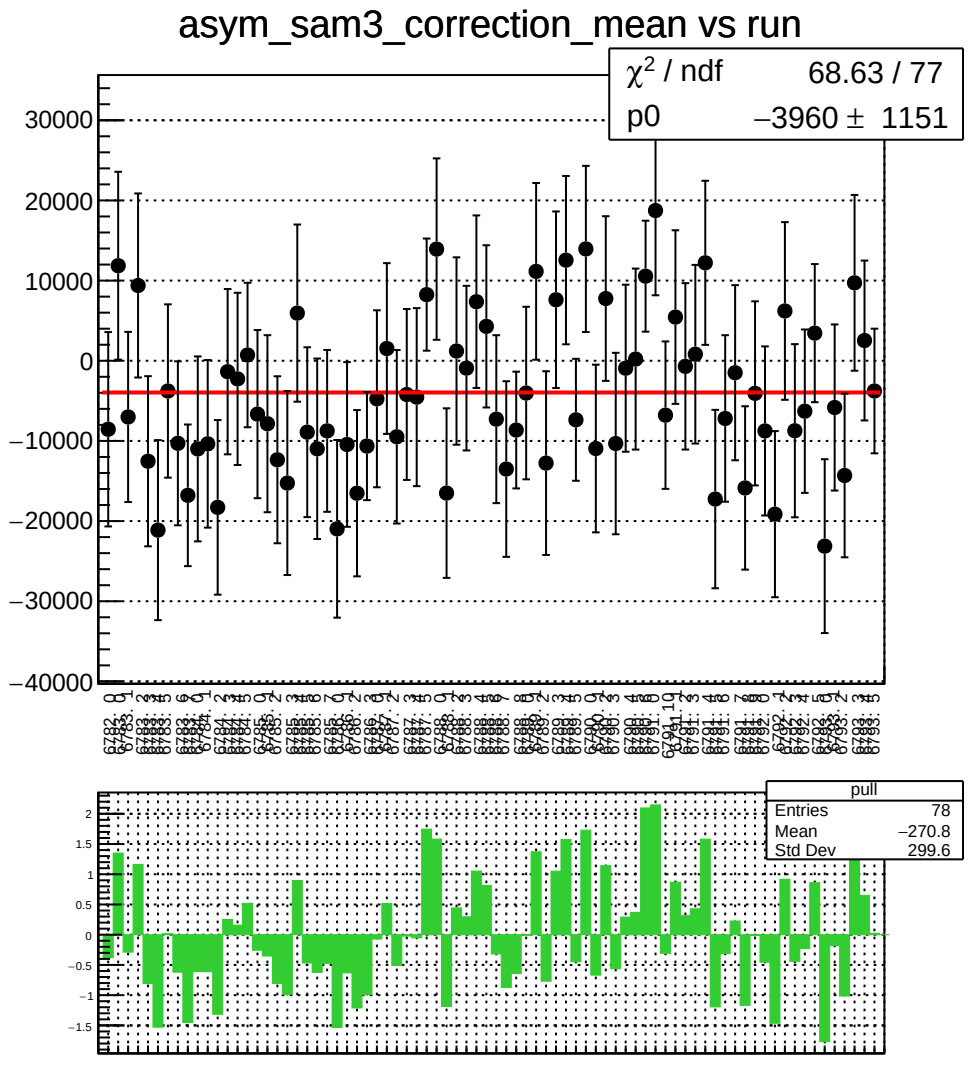

pull1D
Entries 78
Mean 0.004914
Std Dev 0.9443

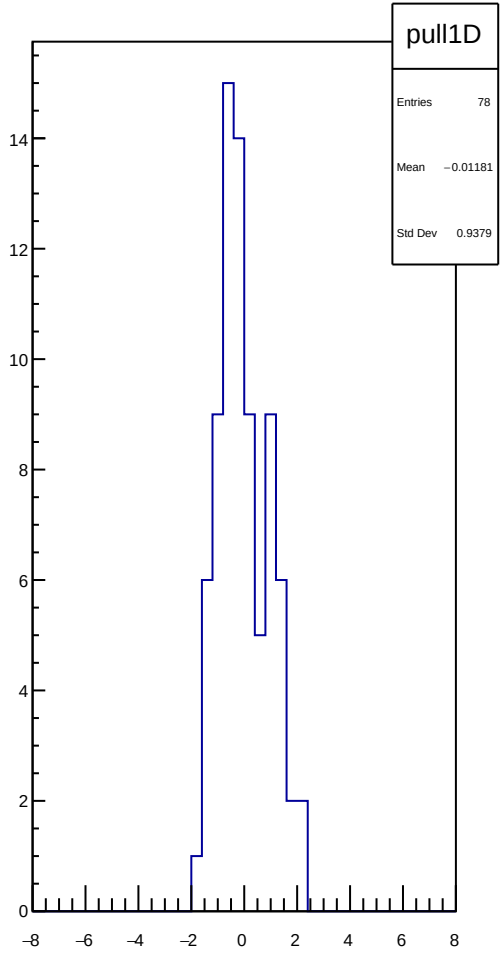

asym_sam2_rms vs run
χ² / ndf 1500 / 77
p0 2702 ± 2.159
2900
2800
2700
2600
2500

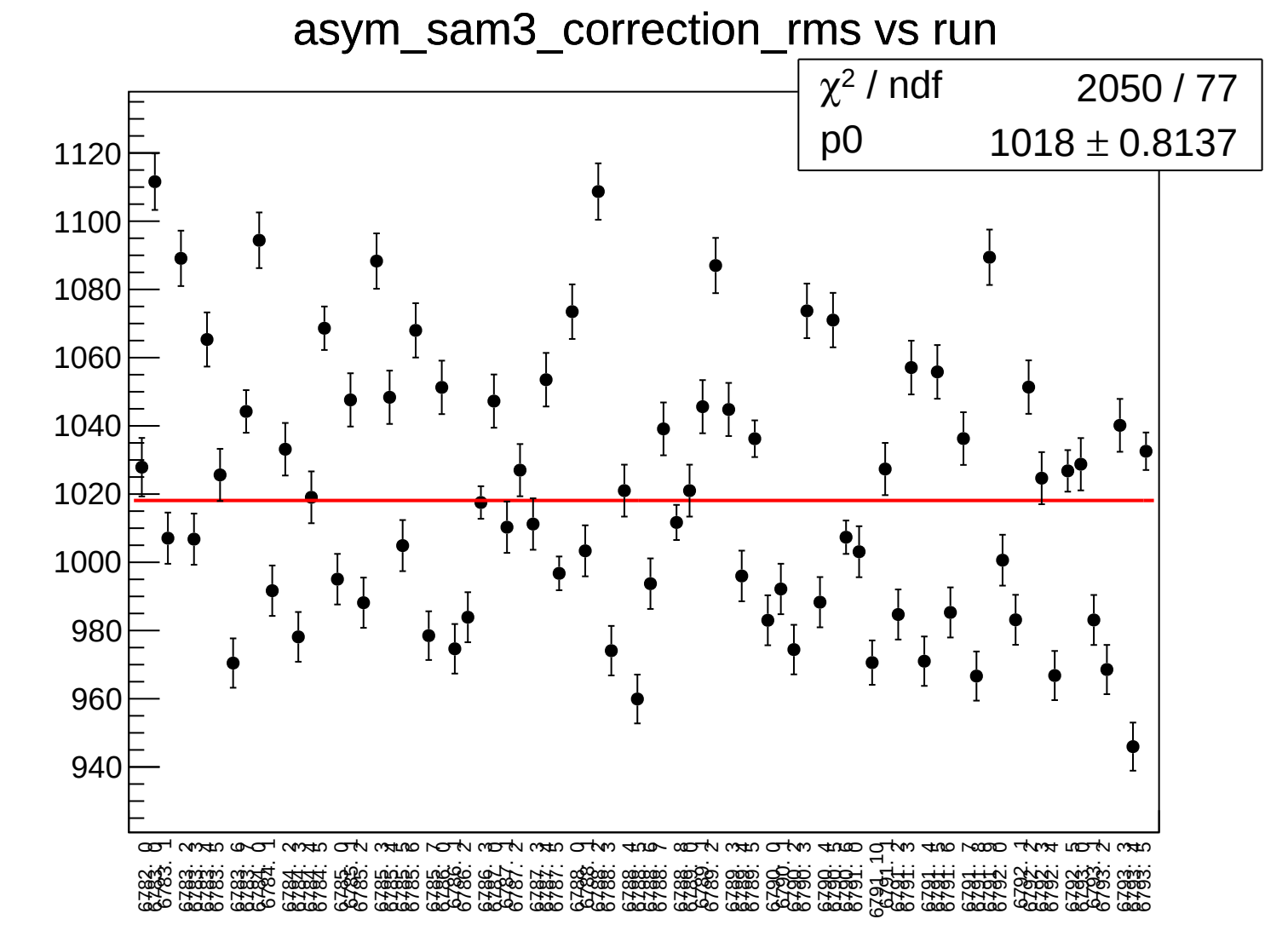

dit_asym_sam3_mean vs run
χ² / ndf 76.2 / 77
p0 172.8 ± 122.5
pull
Entries 78
Mean 51.24
Std Dev 41.36

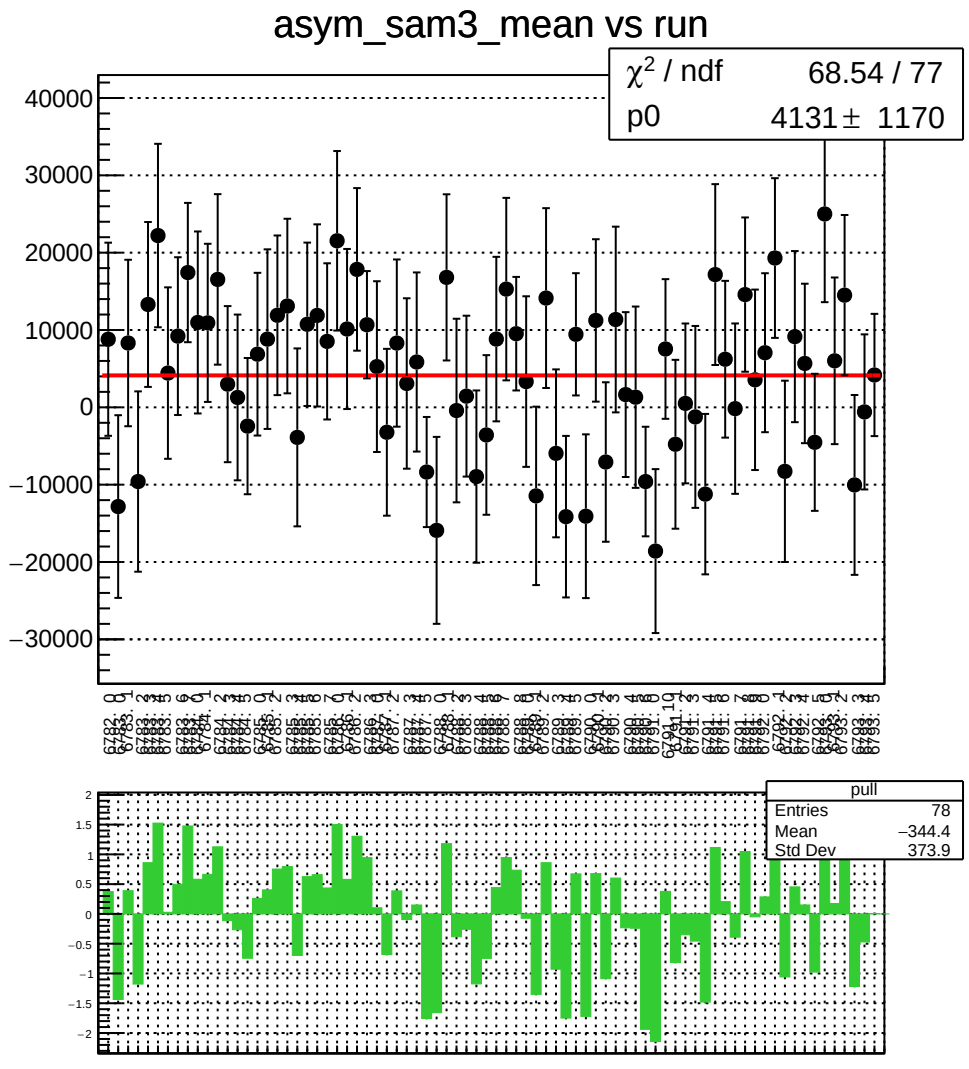

pull1D
Entries 78
Mean −0.02249
Std Dev 0.9882

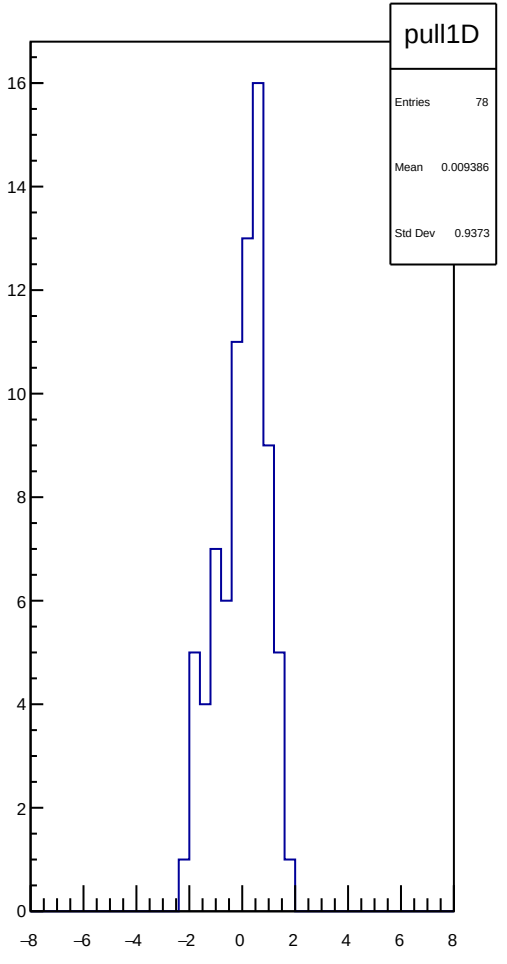

dit_asym_sam3_rms vs run
χ² / ndf 1.265e+04 / 77
p0 108 ± 0.08661
140
130
120
110
100
90

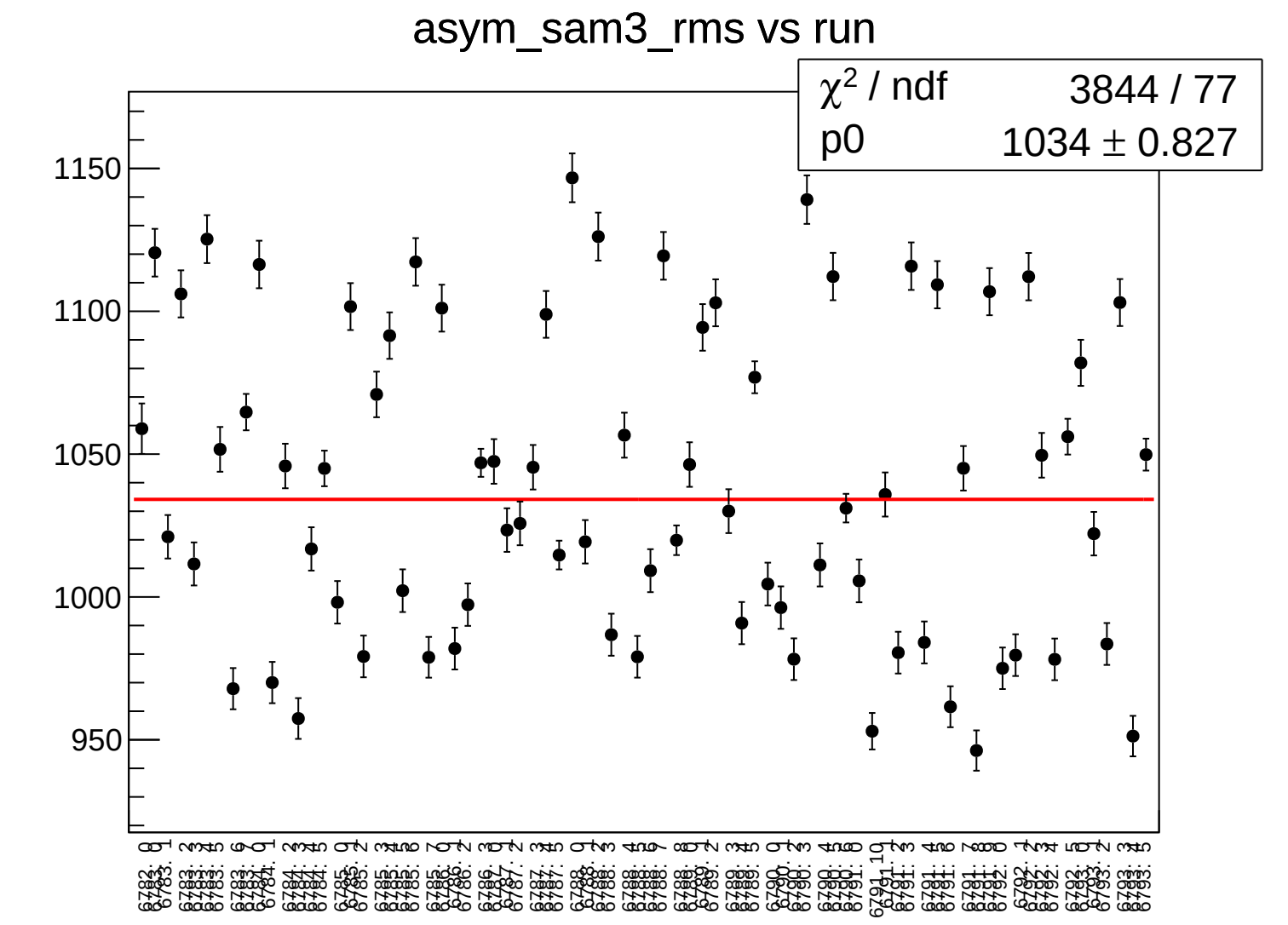

asym_sam3_correction_mean vs run
χ² / ndf 68.63 / 77
p0 −3960 ± 1151
pull
Entries 78
Mean −270.8
Std Dev 299.6

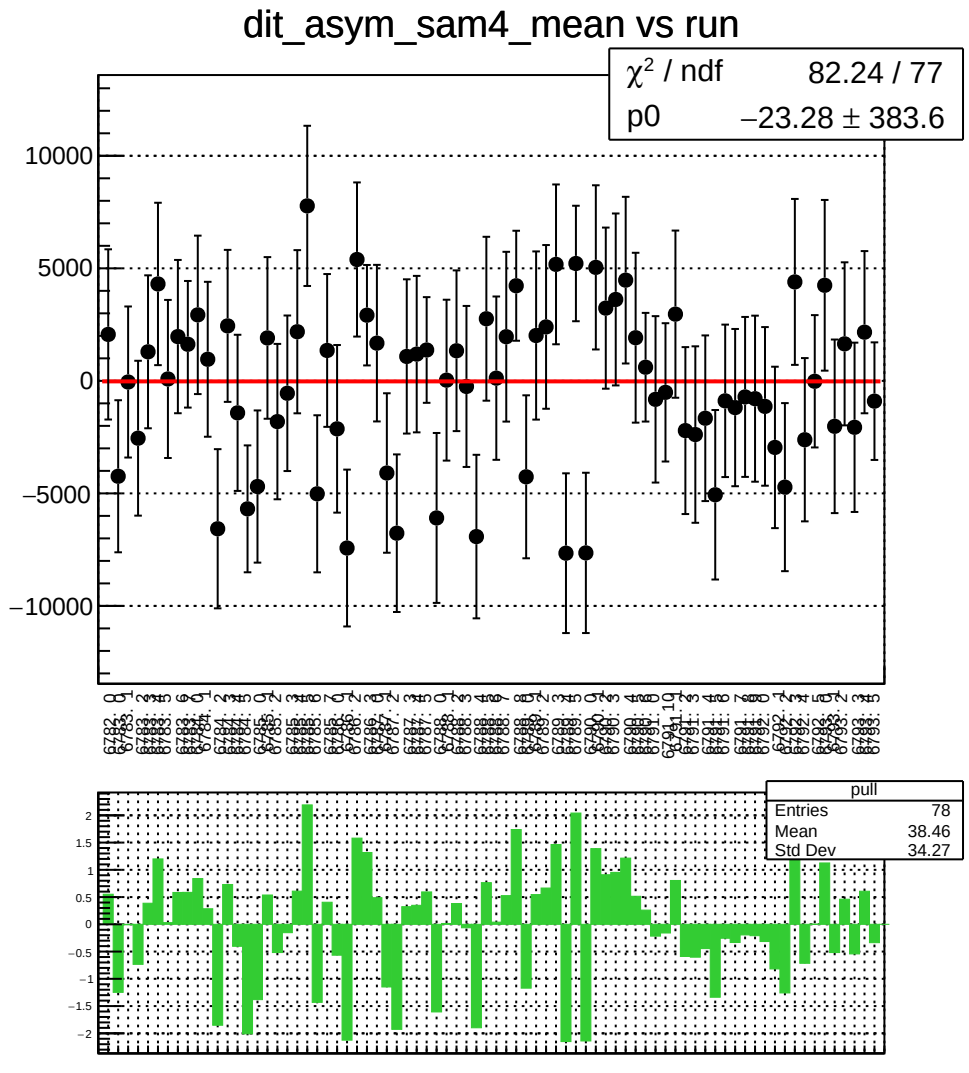

pull1D
Entries 78
Mean −0.01181
Std Dev 0.9379

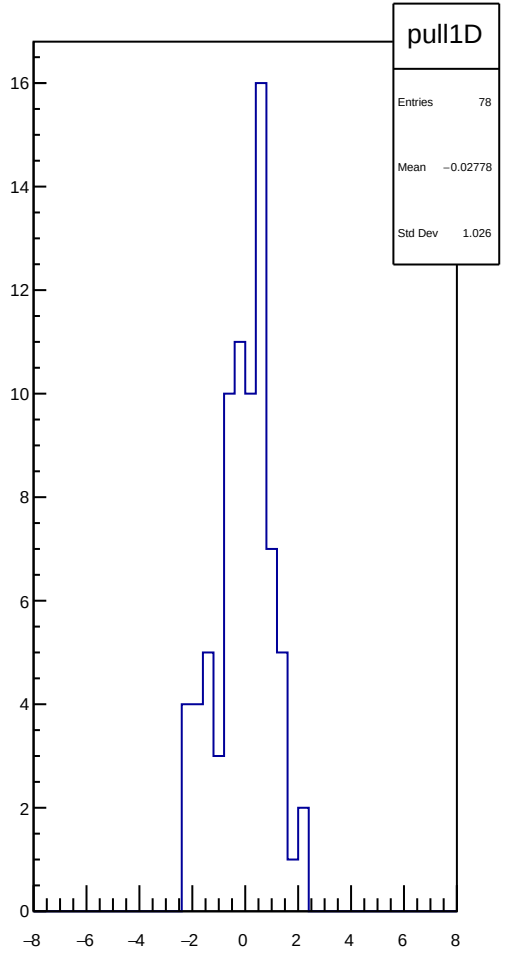

asym_sam3_correction_rms vs run
χ² / ndf 2050 / 77
p0 1018 ± 0.8137
1120
1100
1080
1060
1040
1020
1000
980
960
940

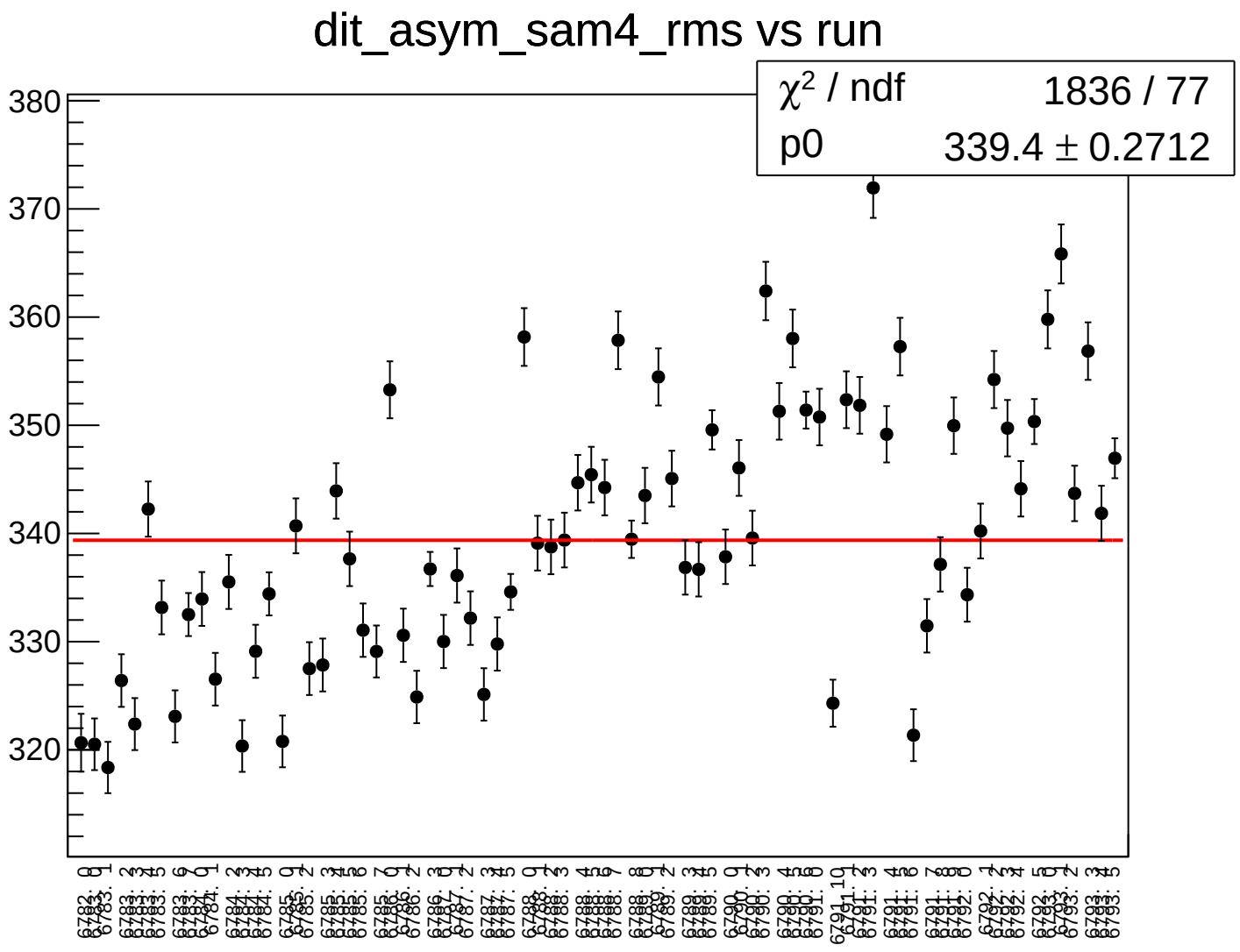

asym_sam3_mean vs run
χ² / ndf 68.54 / 77
p0 4131 ± 1170
pull
Entries 78
Mean −344.4
Std Dev 373.9

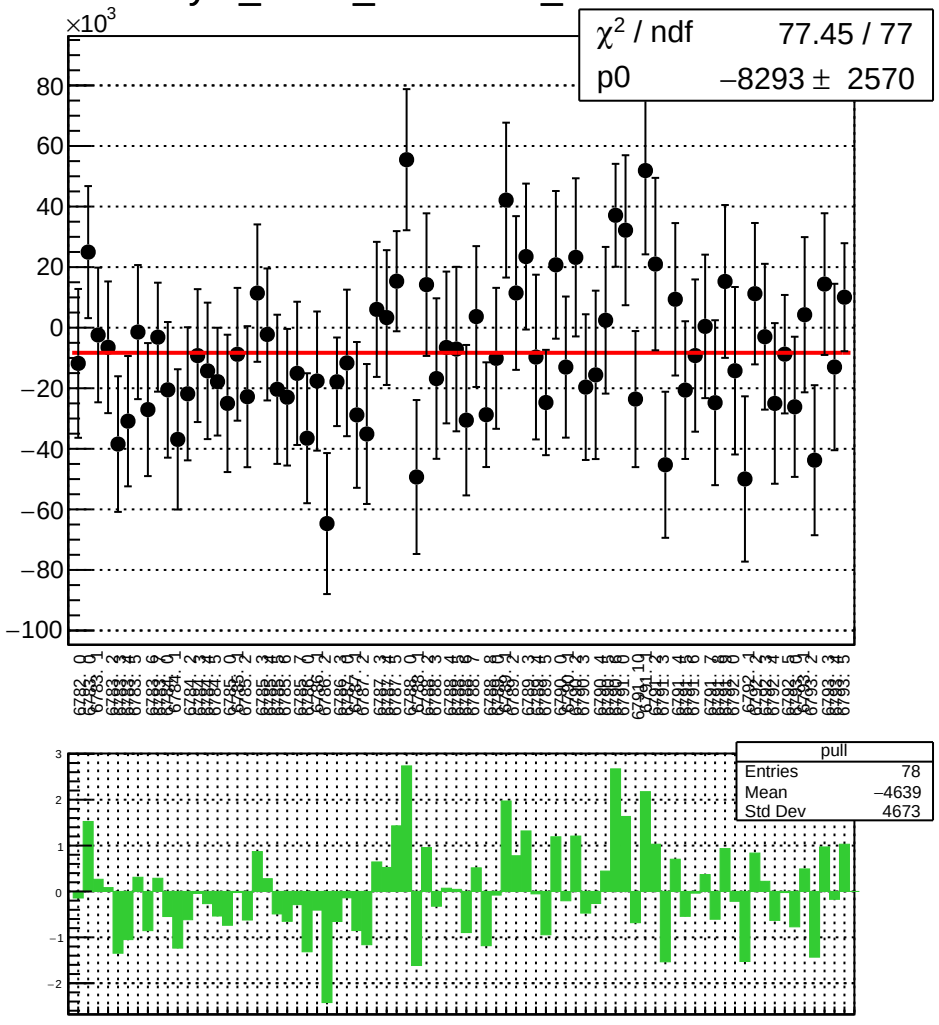

pull1D
Entries 78
Mean 0.009386
Std Dev 0.9373

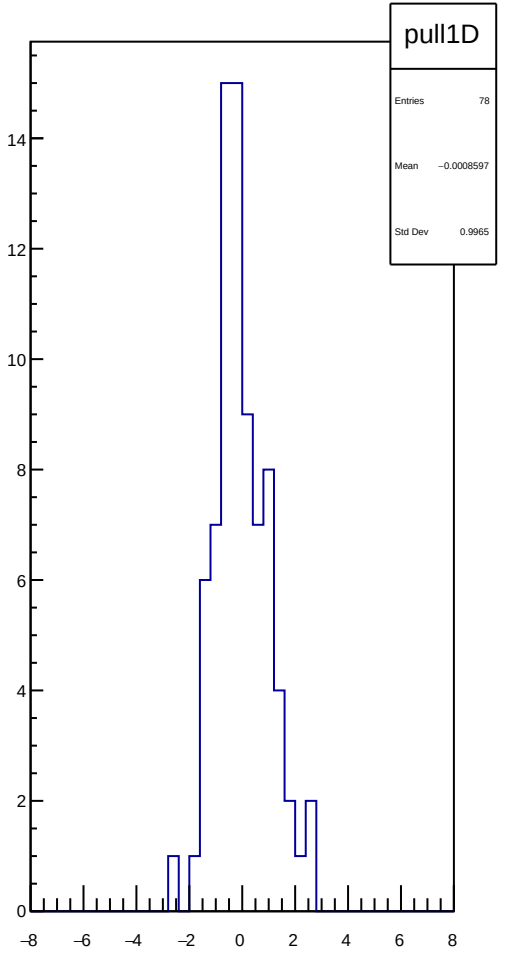

asym_sam3_rms vs run
χ² / ndf 3844 / 77
p0 1034 ± 0.827
1150
1100
1050
1000
950

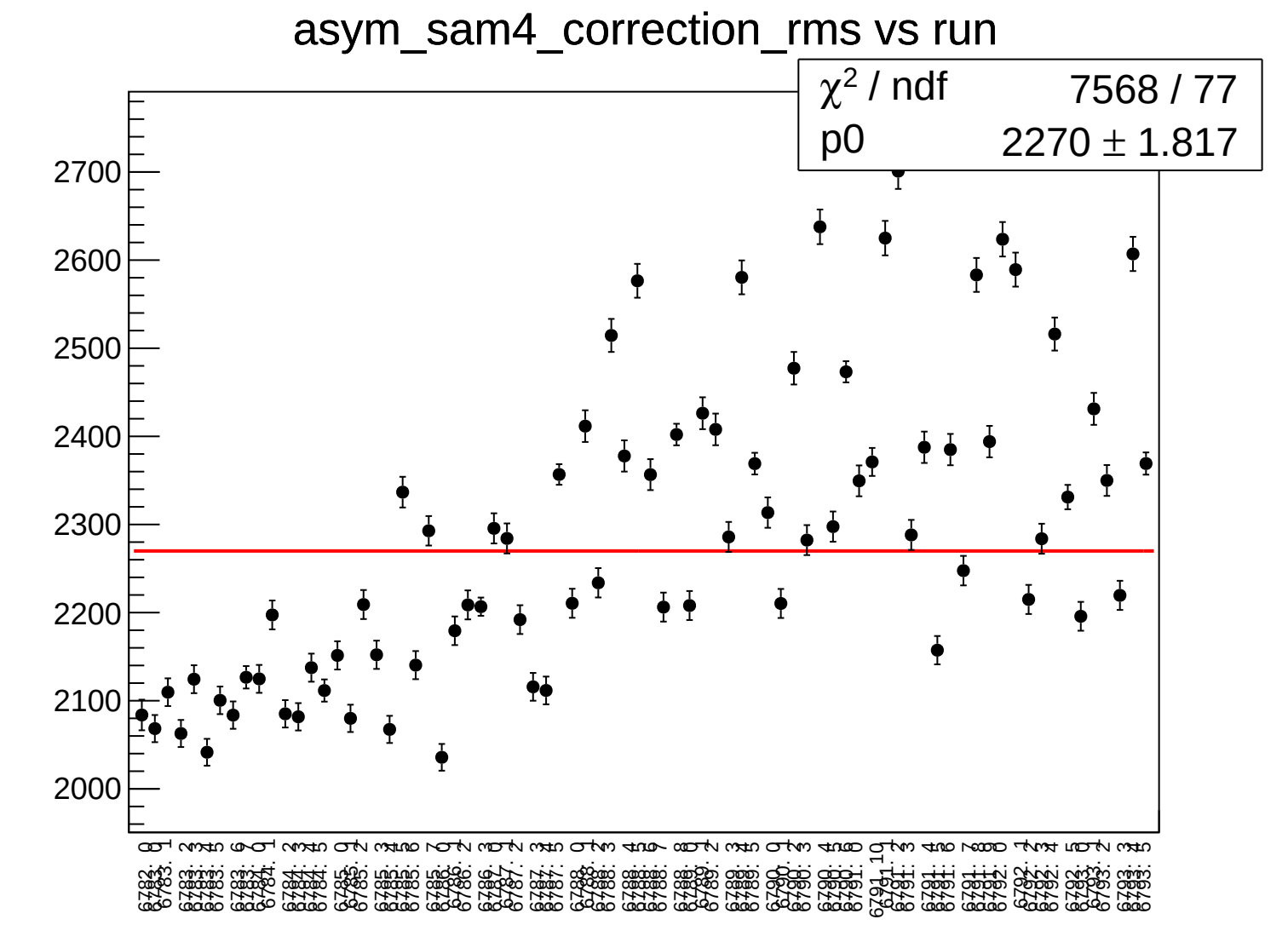

dit_asym_sam4_mean vs run
χ² / ndf 82.24 / 77
p0 −23.28 ± 383.6
10000
5000
0
−5000
−10000
pull
Entries 78
Mean 38.46
Std Dev 34.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

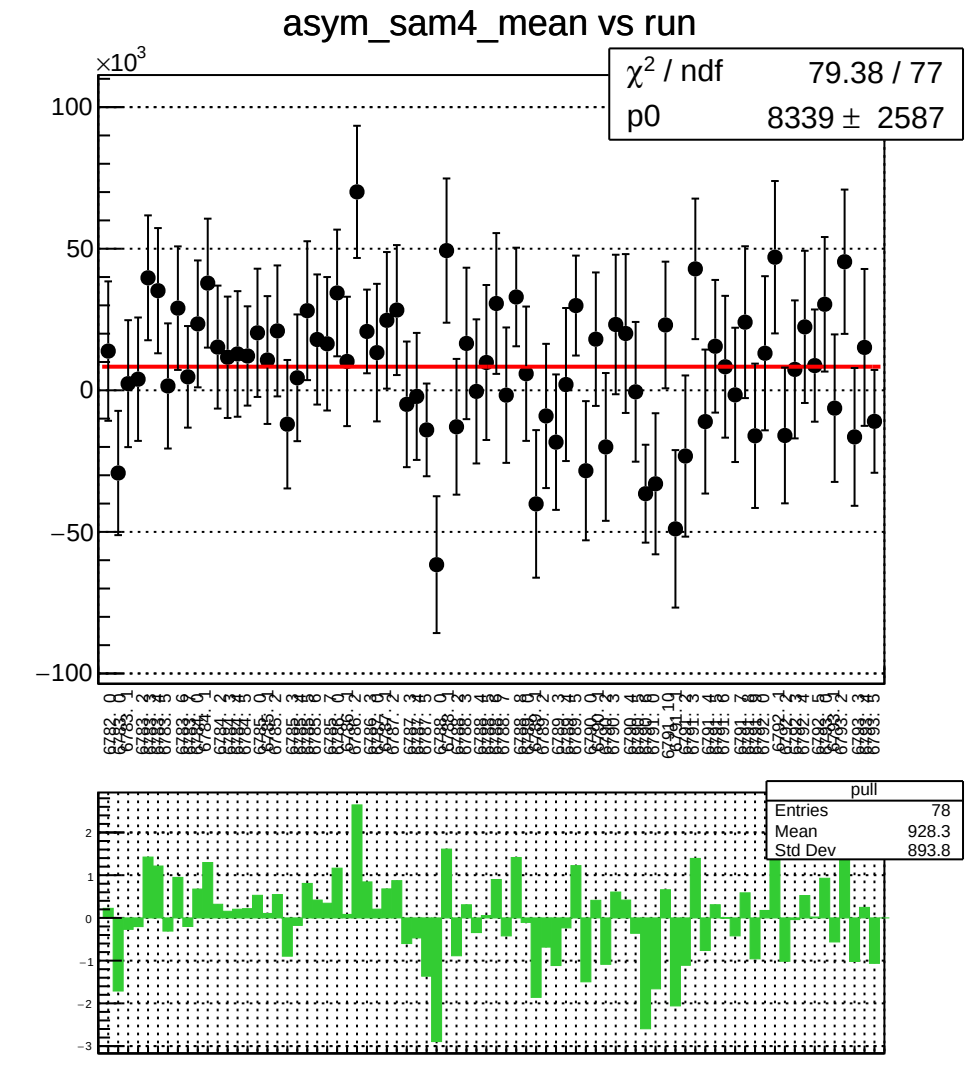

pull1D
Entries 78
Mean −0.02778
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

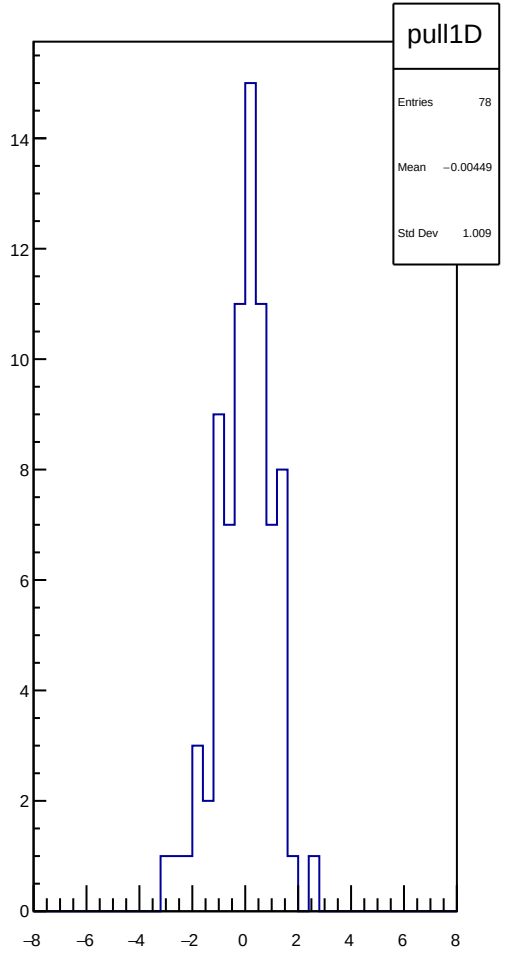

dit_asym_sam4_rms vs run
χ² / ndf 1836 / 77
p0 339.4 ± 0.2712
380
370
360
350
340
330
320

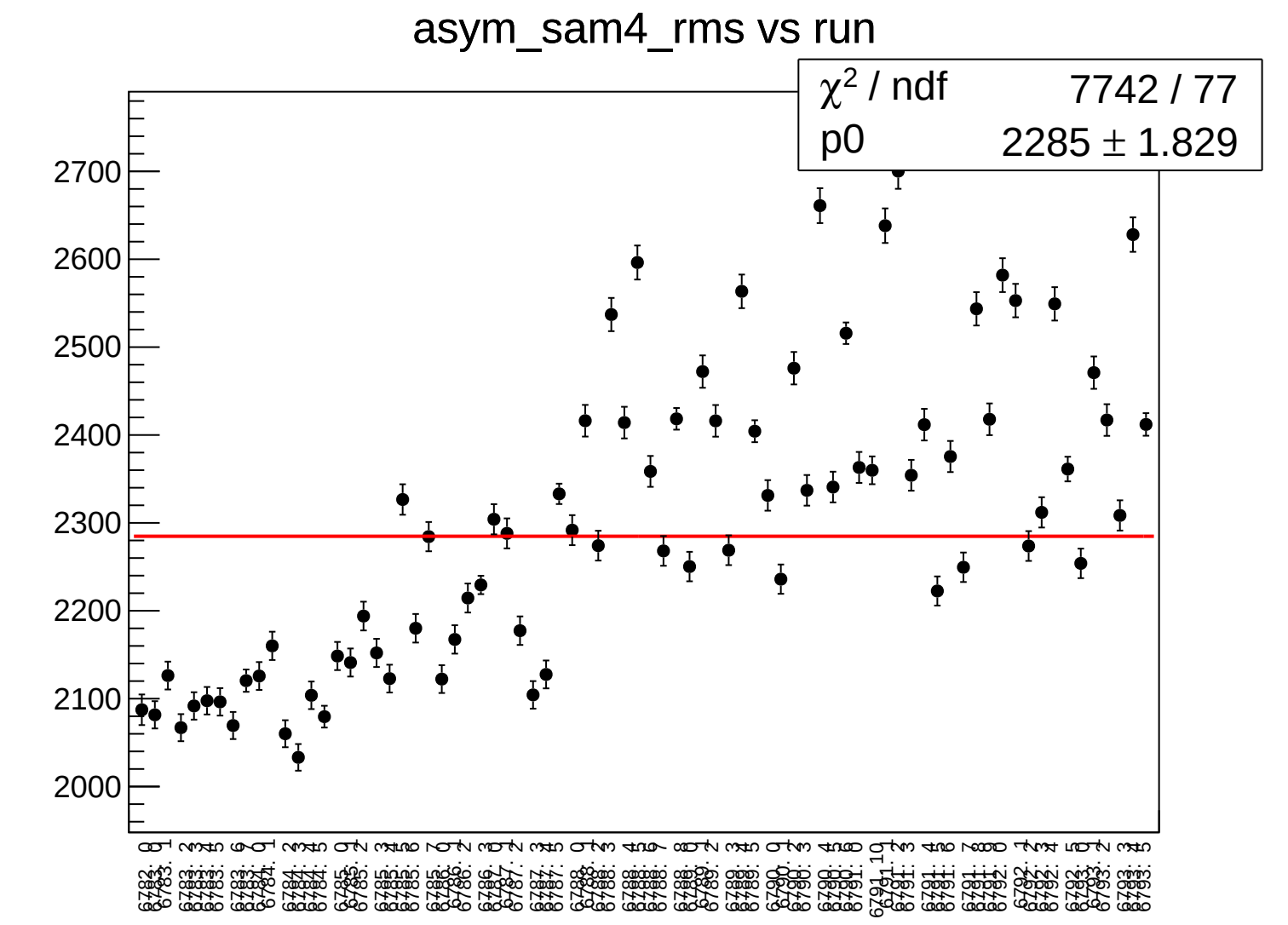

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 77.45 / 77
p0 −8293 ± 2570
pull
Entries 78
Mean −4639
Std Dev 4673

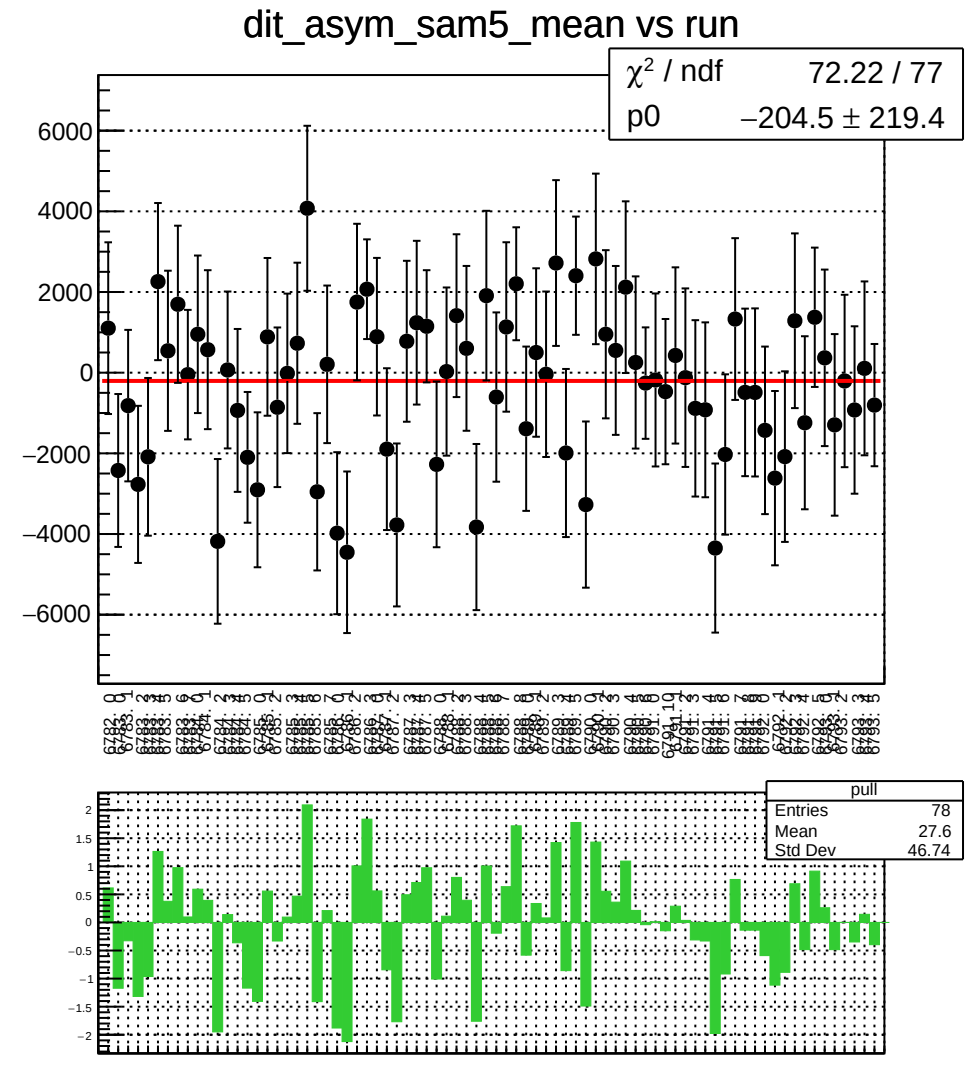

pull1D
Entries 78
Mean −0.0008597
Std Dev 0.9965

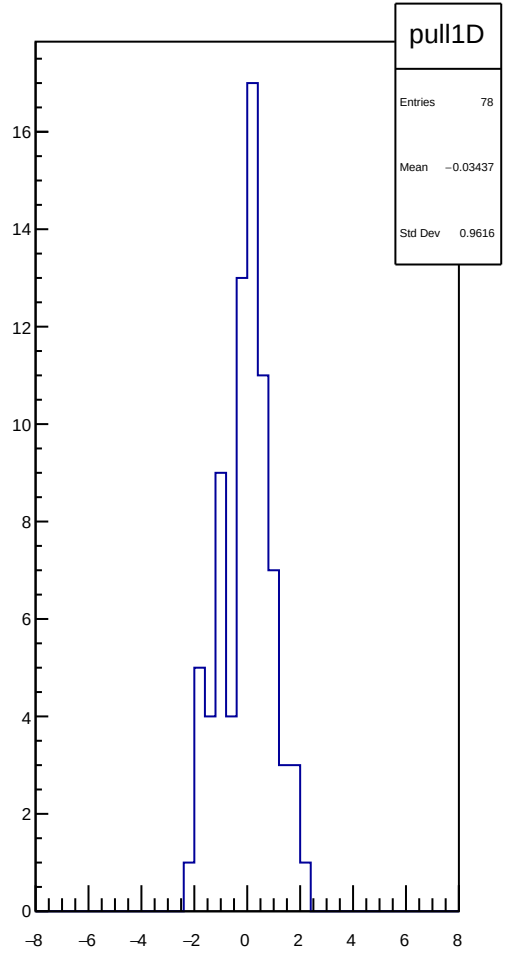

asym_sam4_correction_rms vs run
χ² / ndf 7568 / 77
p0 2270 ± 1.817
2700
2600
2500
2400
2300
2200
2100
2000

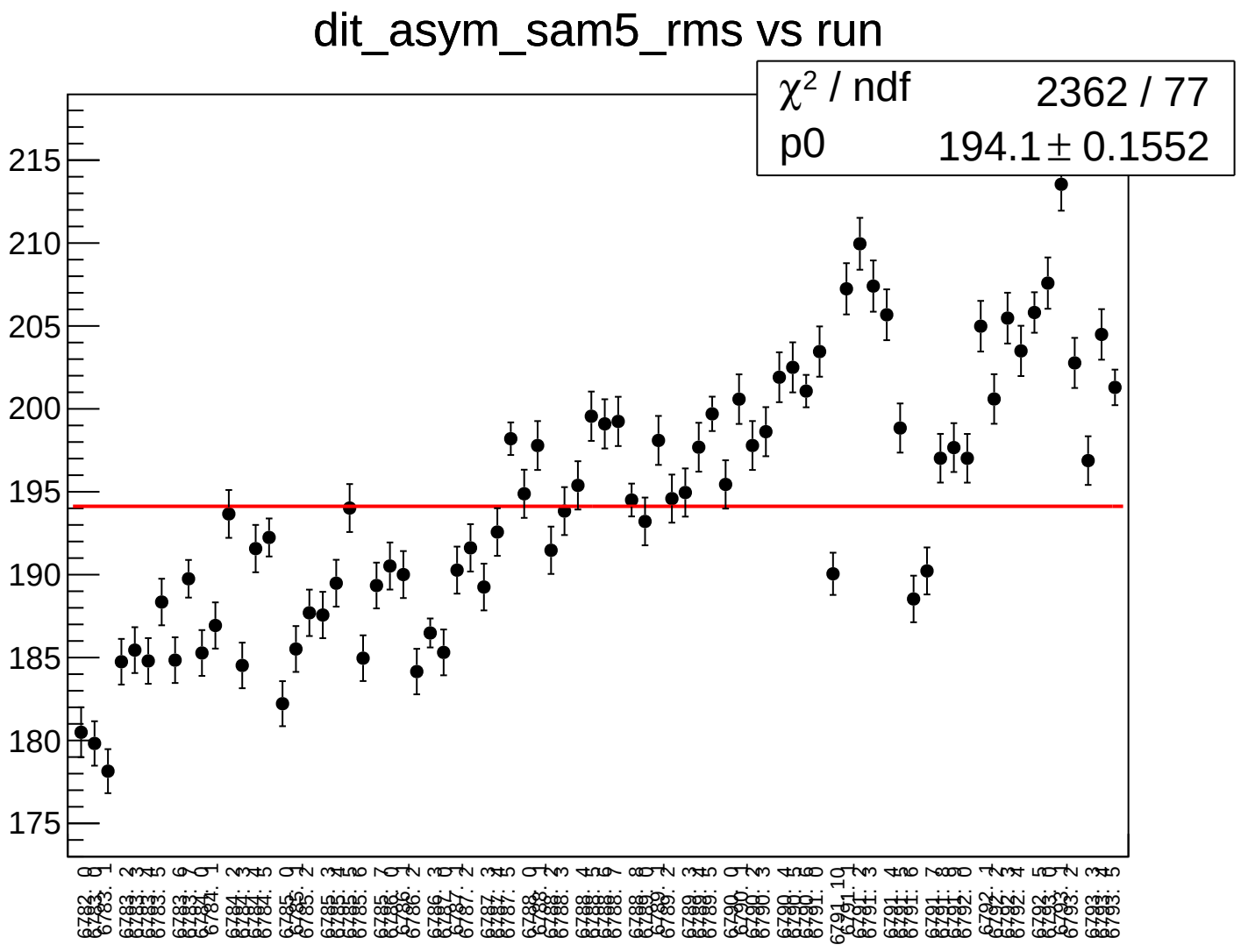

asym_sam4_mean vs run
×10^3
χ^2 / ndf 79.38 / 77
p0 8339 ± 2587
100
50
0
−50
−100
pull
Entries 78
Mean 928.3
Std Dev 893.8
2
1
0
−1
−2
−3

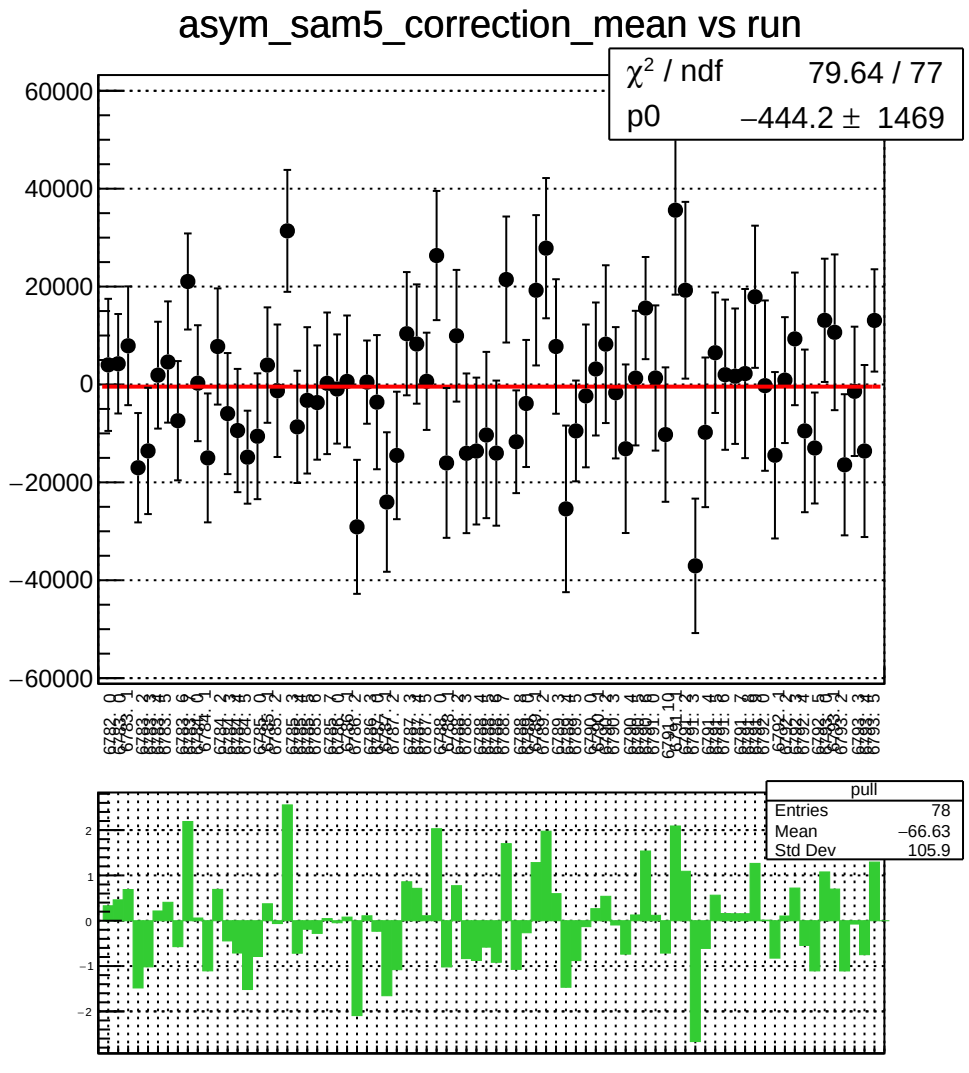

pull1D
Entries 78
Mean −0.00449
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

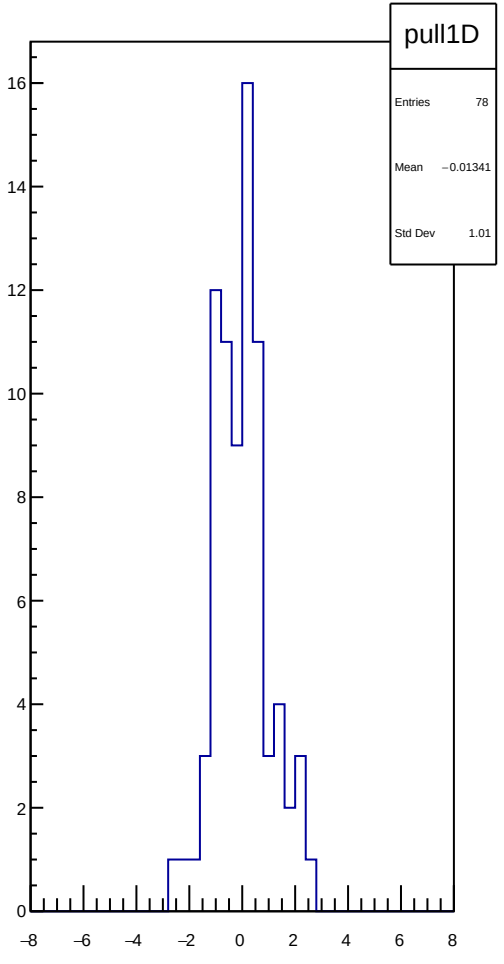

asym_sam4_rms vs run
χ² / ndf 7742 / 77
p0 2285 ± 1.829
2700
2600
2500
2400
2300
2200
2100
2000

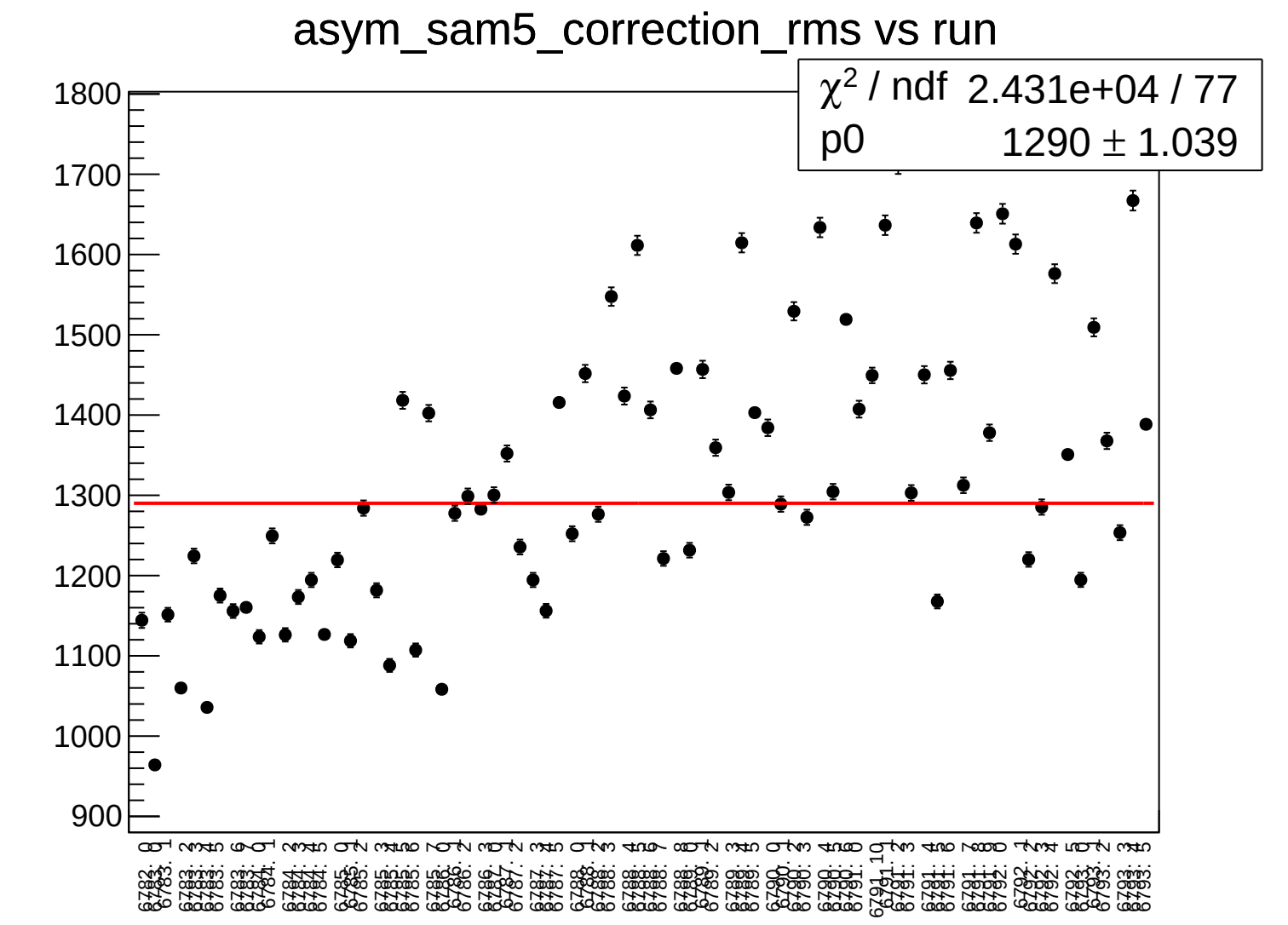

dit_asym_sam5_mean vs run
χ² / ndf 72.22 / 77
p0 −204.5 ± 219.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 78
Mean 27.6
Std Dev 46.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

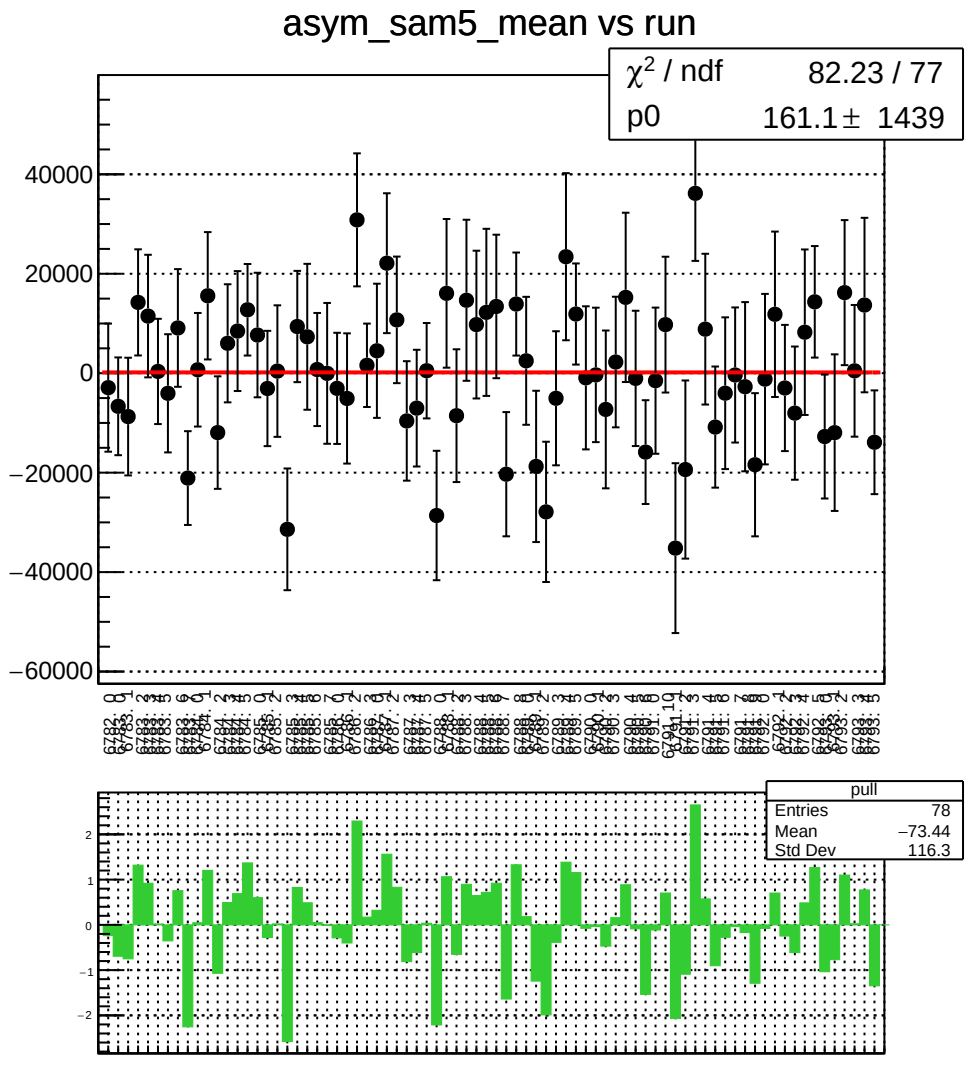

pull1D
Entries 78
Mean −0.03437
Std Dev 0.9616
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

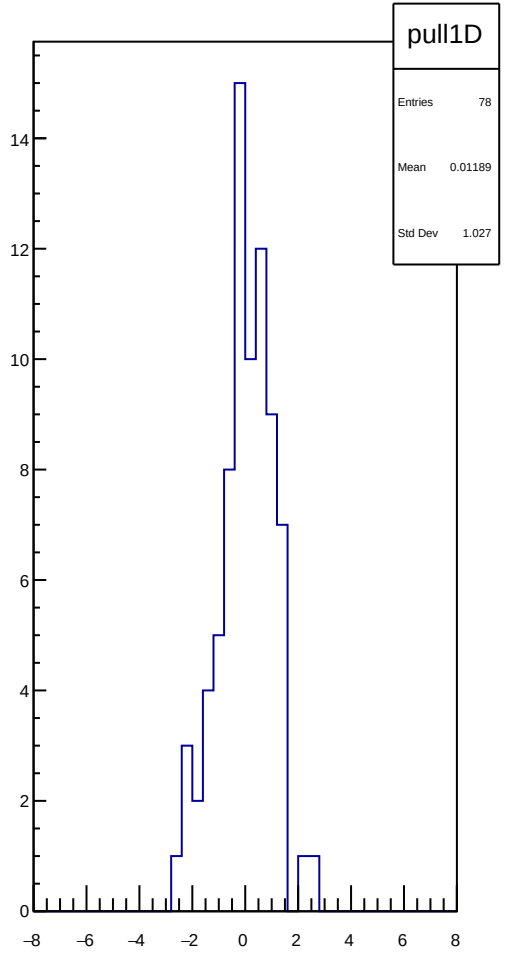

dit_asym_sam5_rms vs run
χ^2 / ndf 2362 / 77
p0 194.1 ± 0.1552
215
210
205
200
195
190
185
180
175

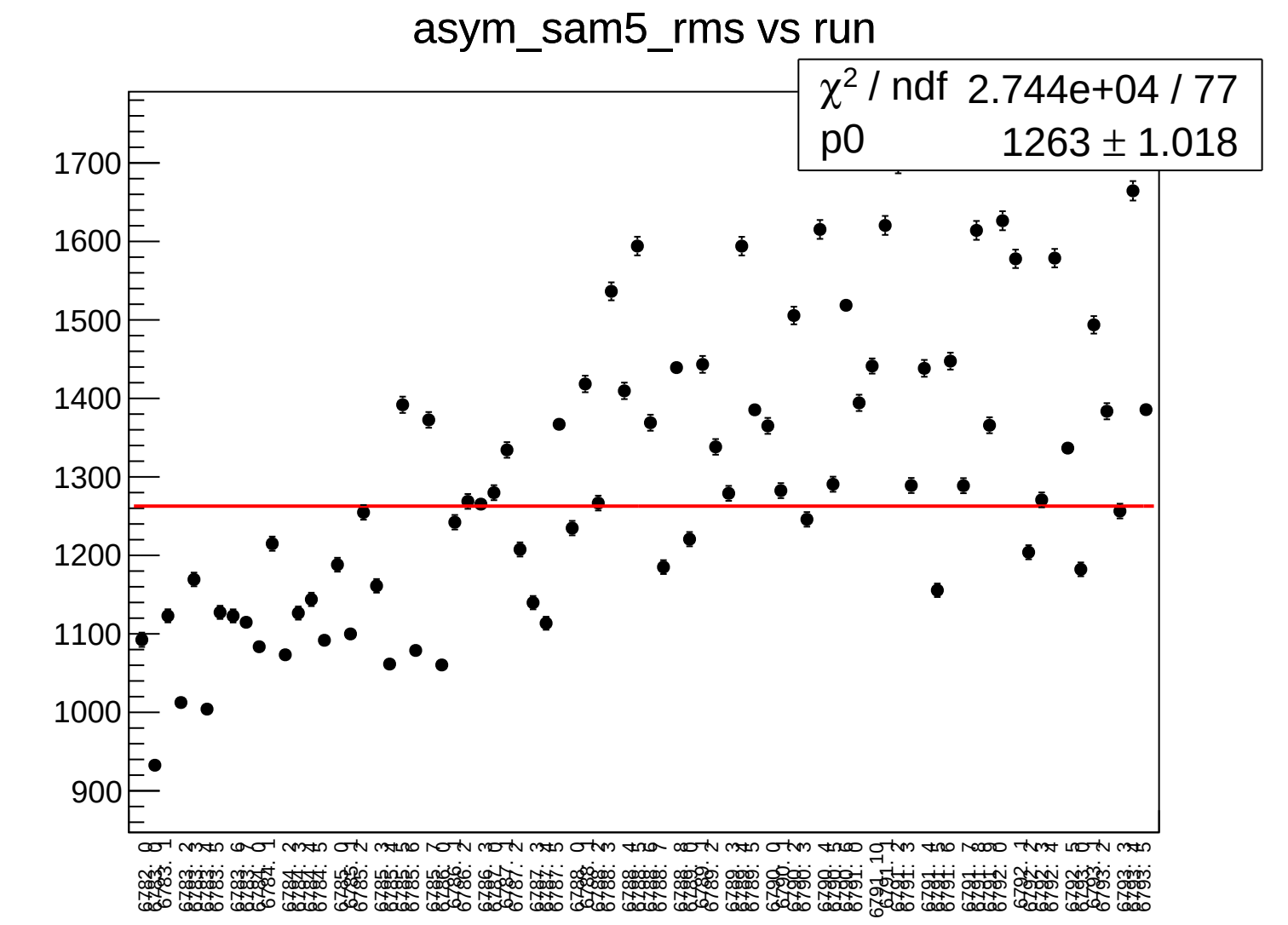

asym_sam5_correction_mean vs run
χ² / ndf 79.64 / 77
p0 −444.2 ± 1469
pull
Entries 78
Mean −66.63
Std Dev 105.9

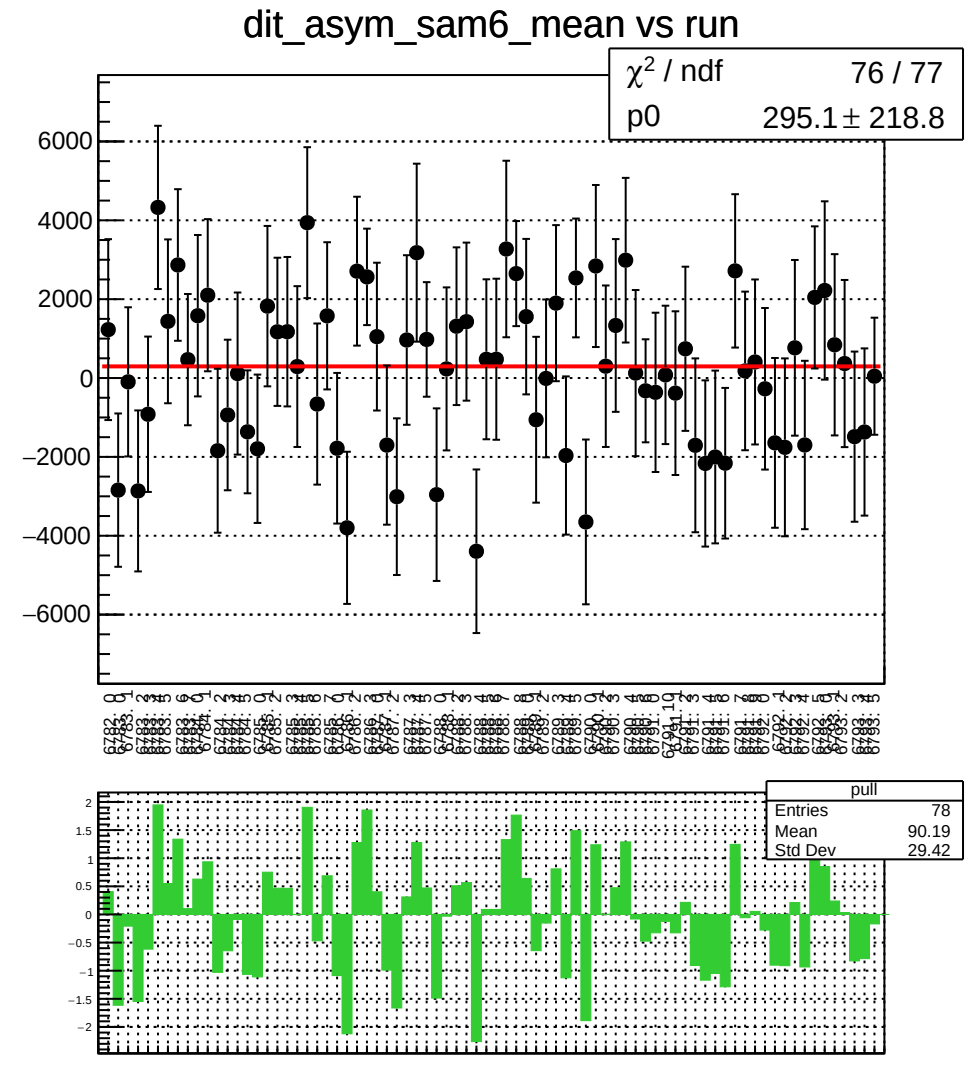

pull1D
Entries 78
Mean −0.01341
Std Dev 1.01

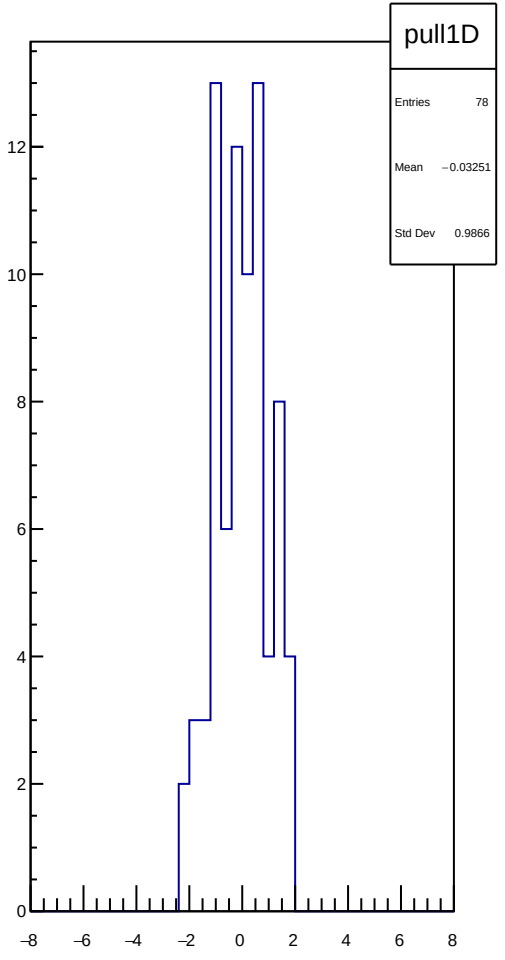

asym_sam5_correction_rms vs run
χ^2 / ndf 2.431e+04 / 77
p0 1290 ± 1.039
1800
1700
1600
1500
1400
1300
1200
1100
1000
900

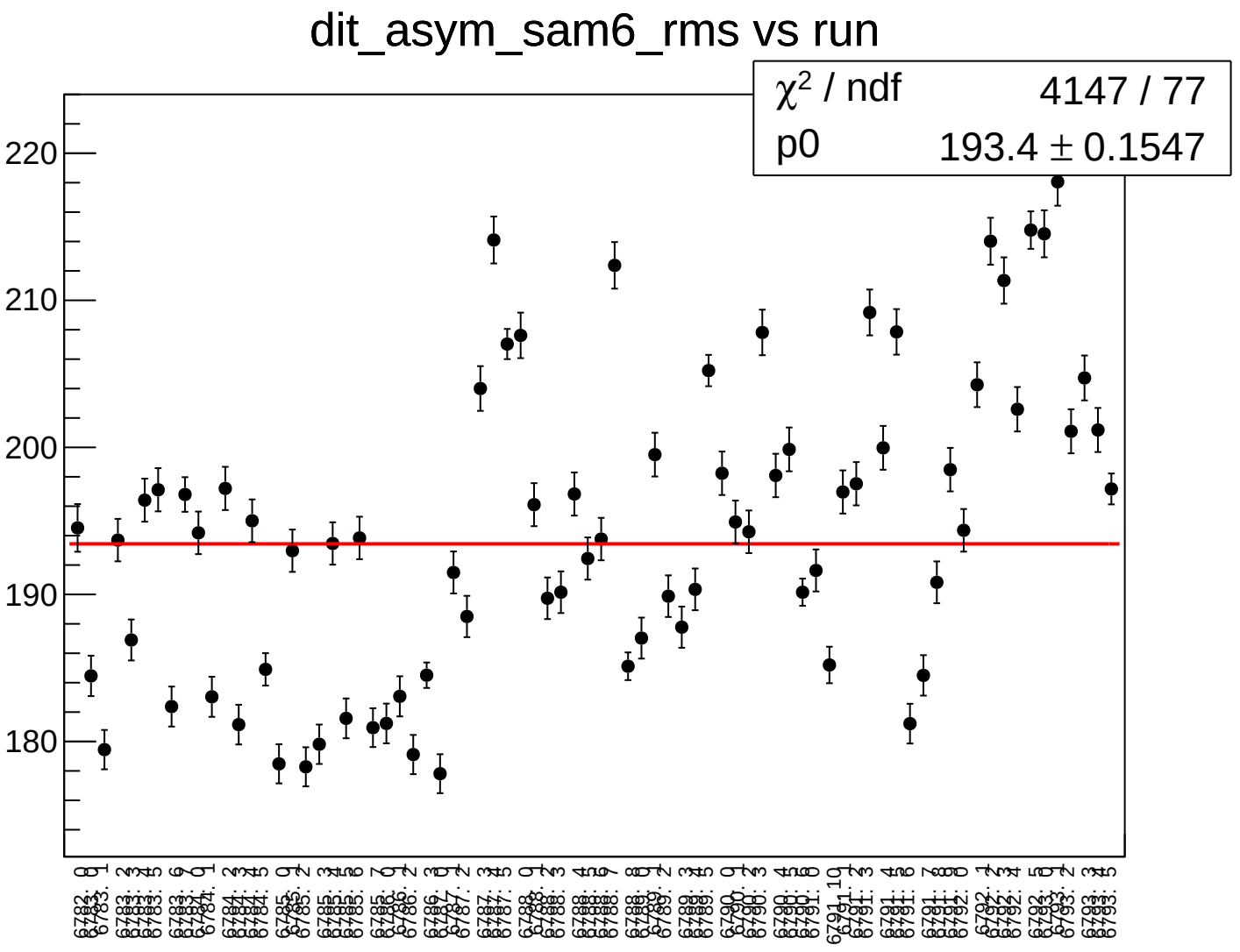

asym_sam5_mean vs run
χ² / ndf 82.23 / 77
p0 161.1 ± 1439
40000
20000
0
−20000
−40000
−60000
pull
Entries 78
Mean −73.44
Std Dev 116.3
2
1
0
−1
−2

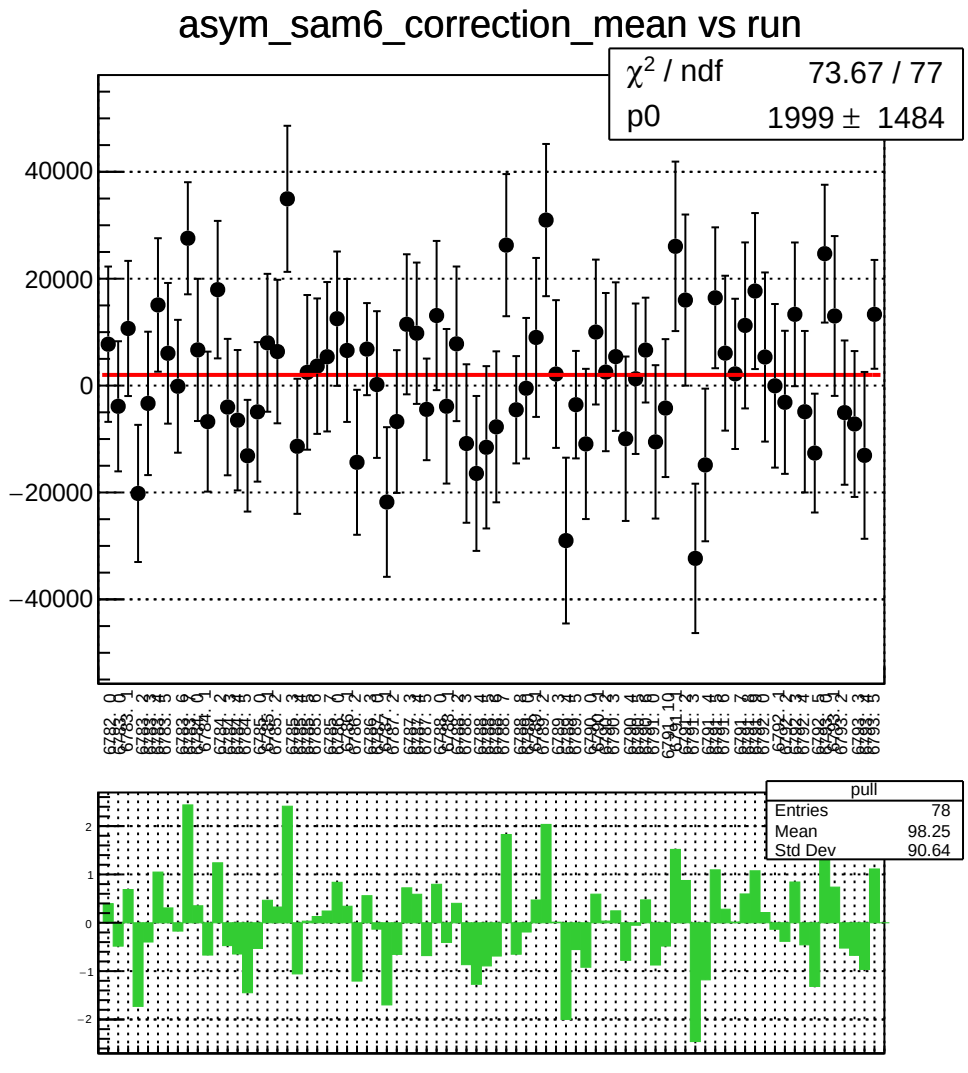

pull1D
Entries 78
Mean 0.01189
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

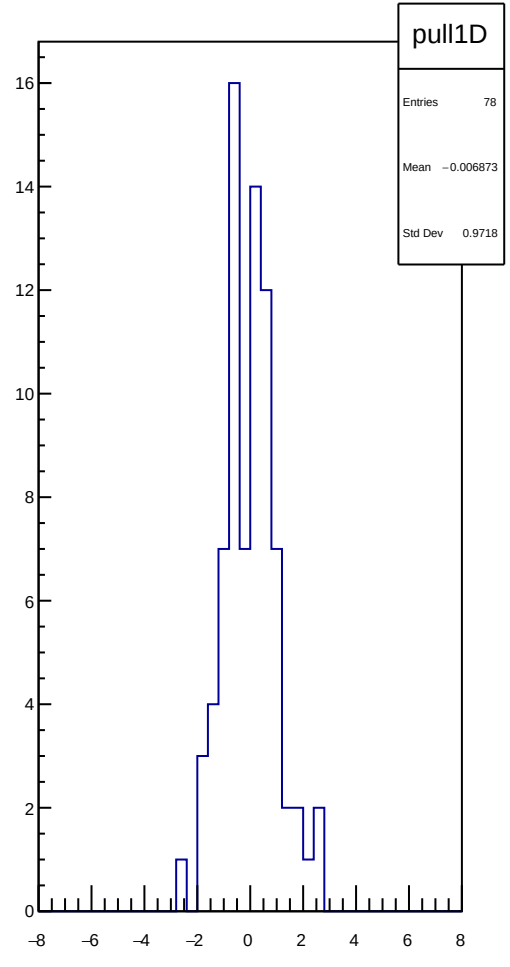

asym_sam5_rms vs run
χ² / ndf 2.744e+04 / 77
p0 1263 ± 1.018
1700
1600
1500
1400
1300
1200
1100
1000
900

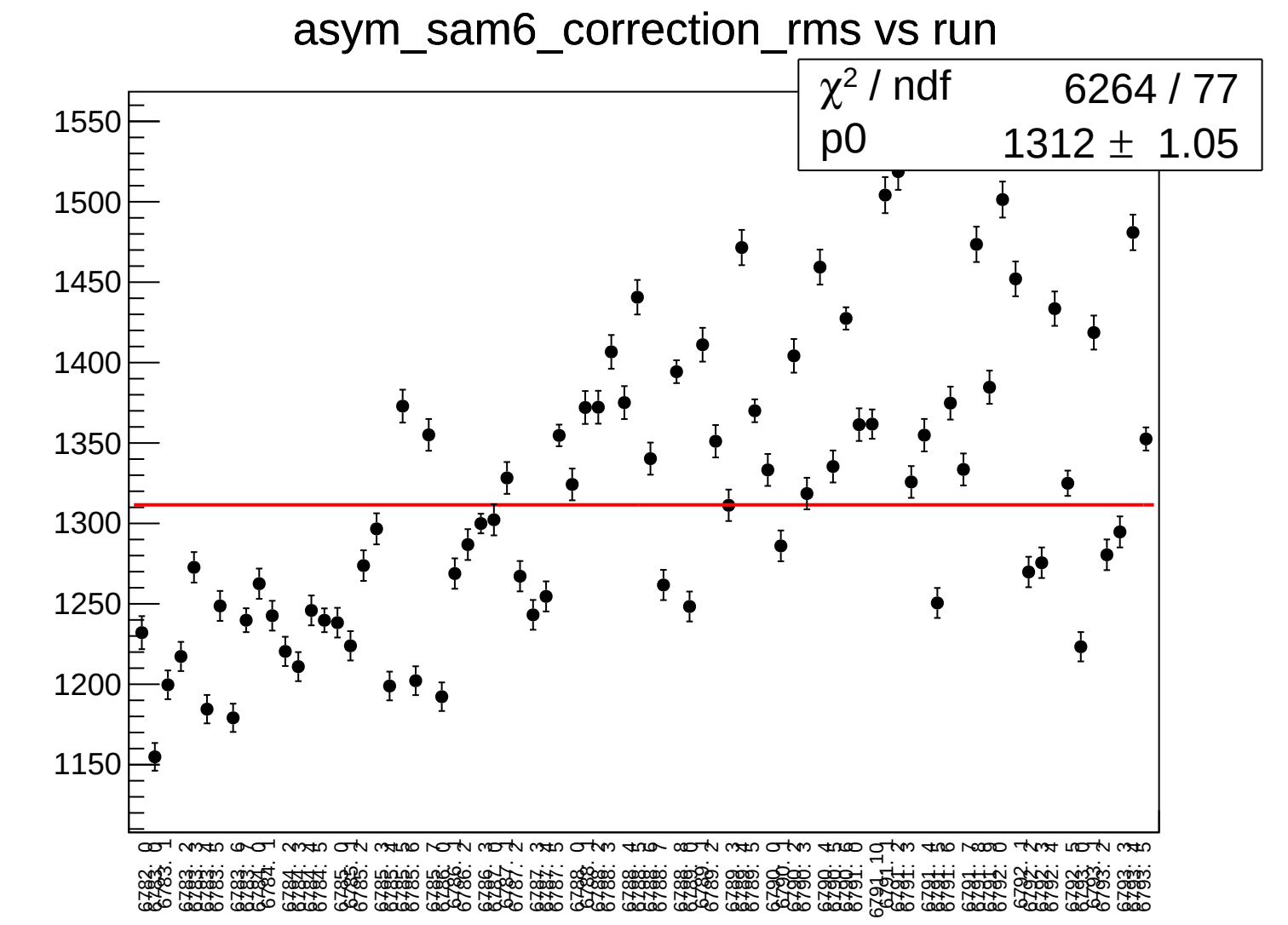

dit_asym_sam6_mean vs run
χ² / ndf 76 / 77
p0 295.1 ± 218.8
pull
Entries 78
Mean 90.19
Std Dev 29.42

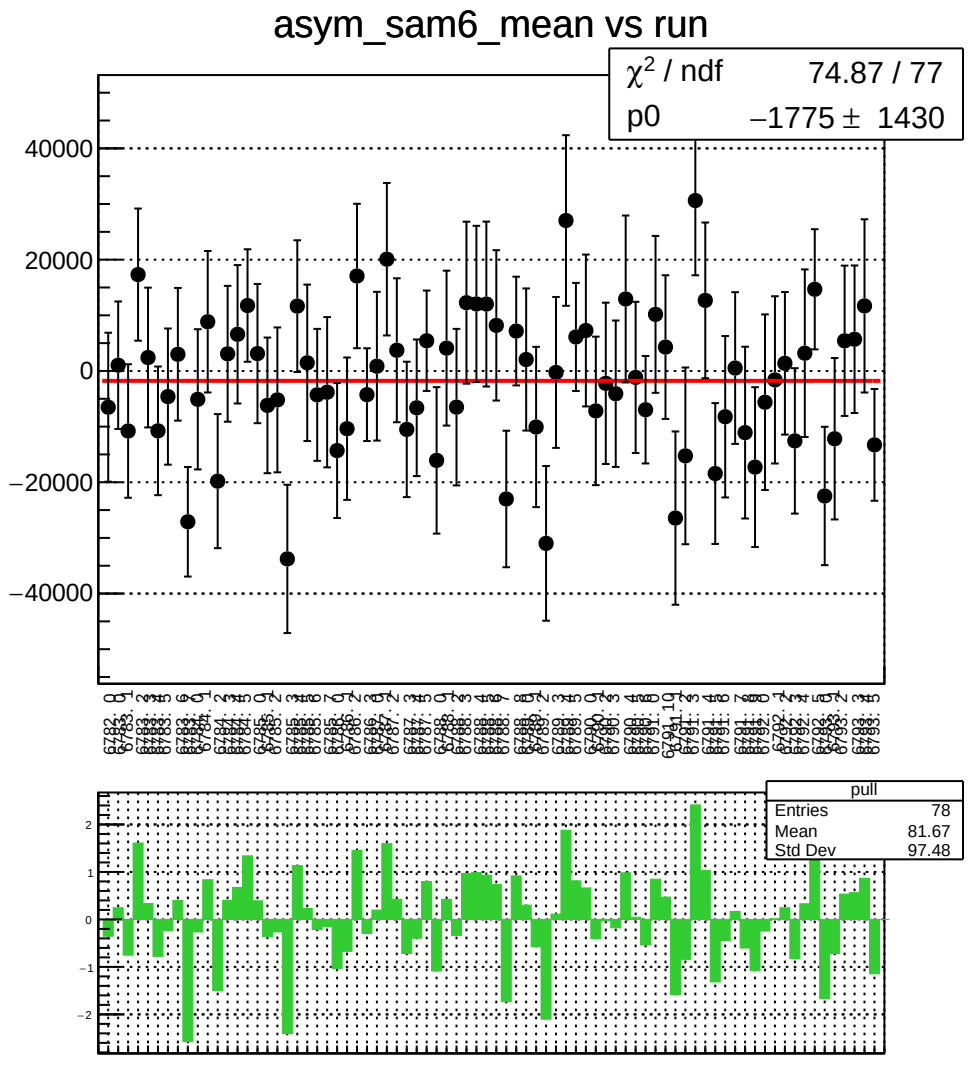

pull1D
Entries 78
Mean −0.03251
Std Dev 0.9866

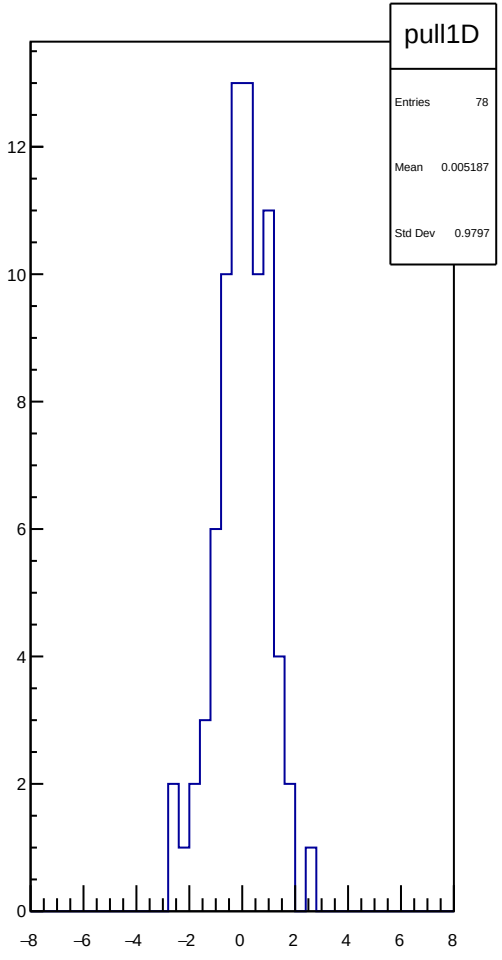

dit_asym_sam6_rms vs run
χ² / ndf 4147 / 77
p0 193.4 ± 0.1547
220
210
200
190
180

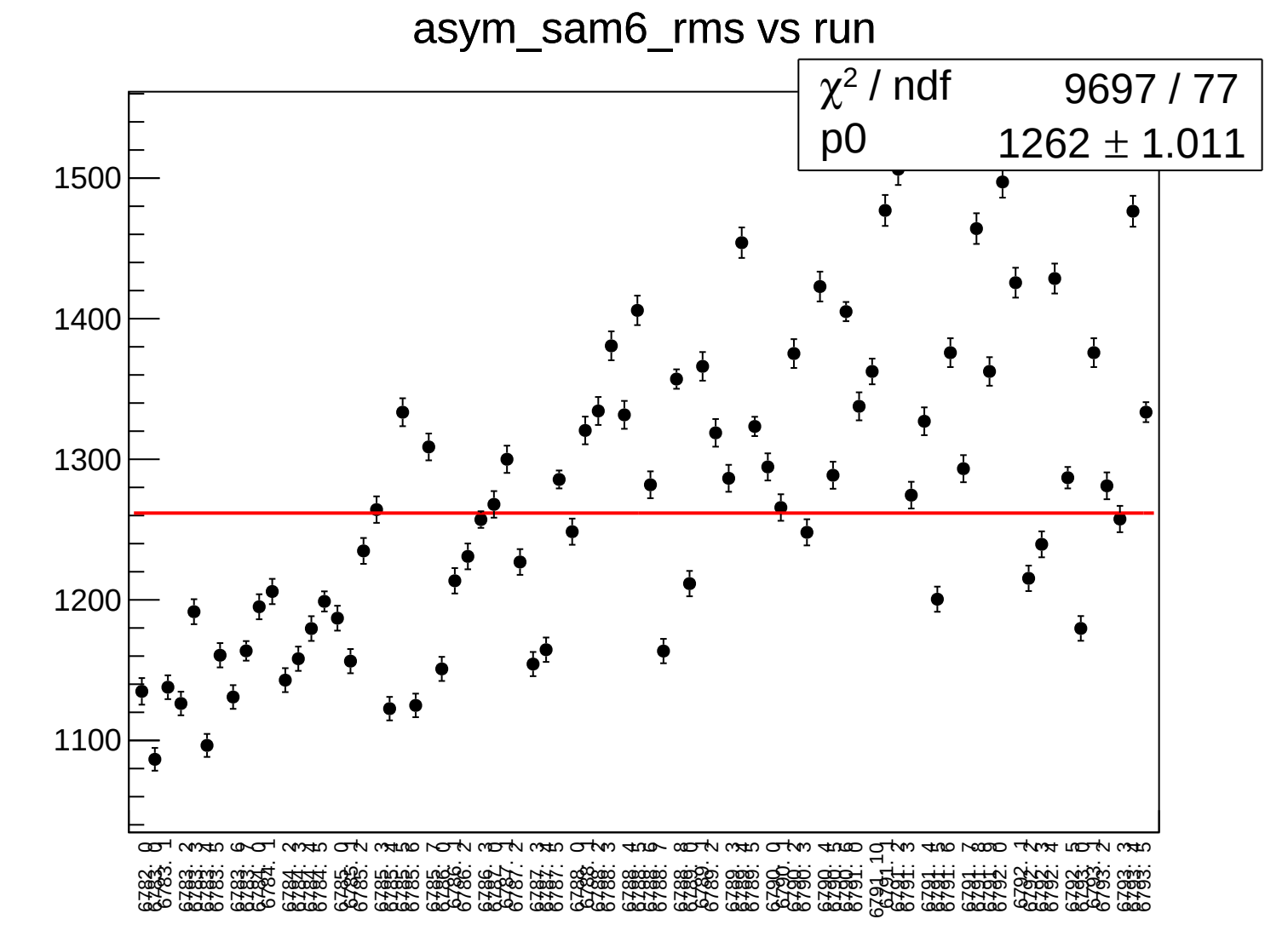

asym_sam6_correction_mean vs run
χ² / ndf 73.67 / 77
p0 1999 ± 1484
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 98.25
Std Dev 90.64
2
1
0
−1
−2

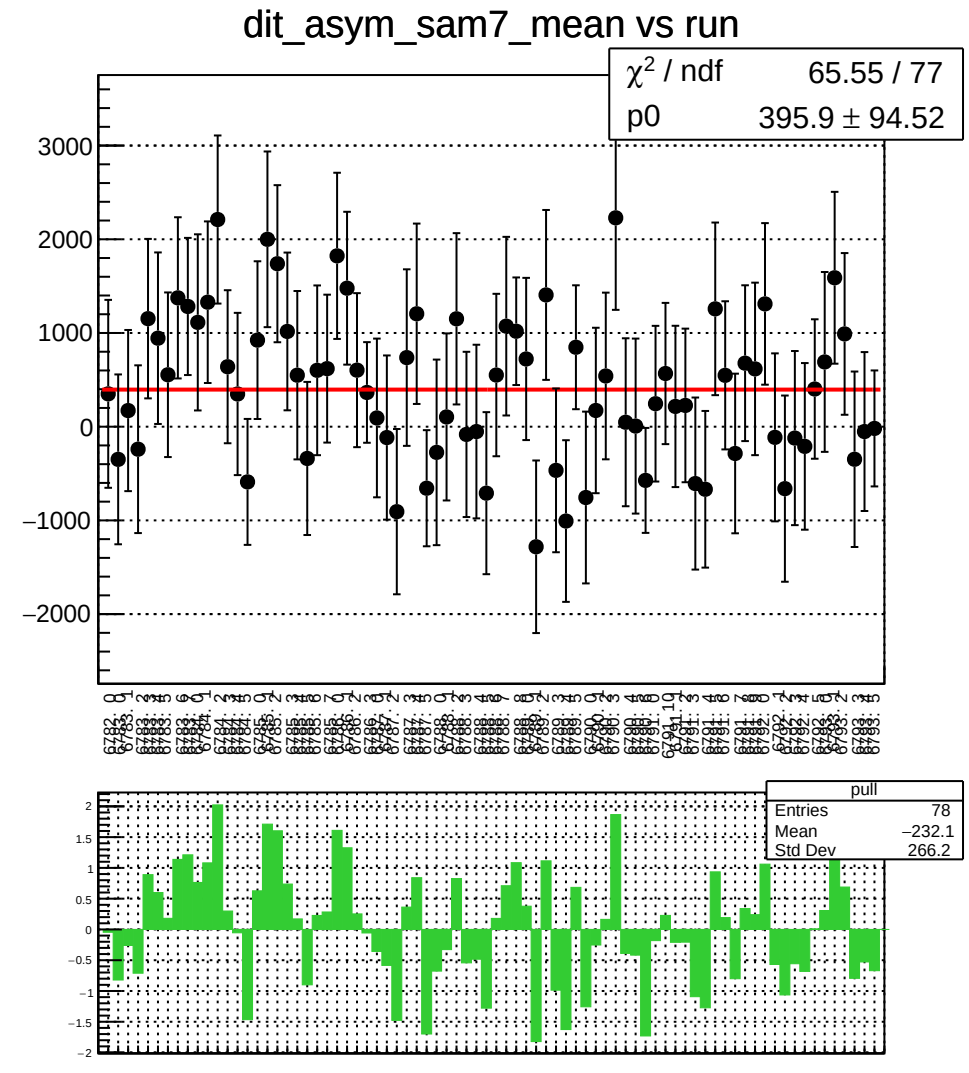

pull1D
Entries 78
Mean −0.006873
Std Dev 0.9718
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

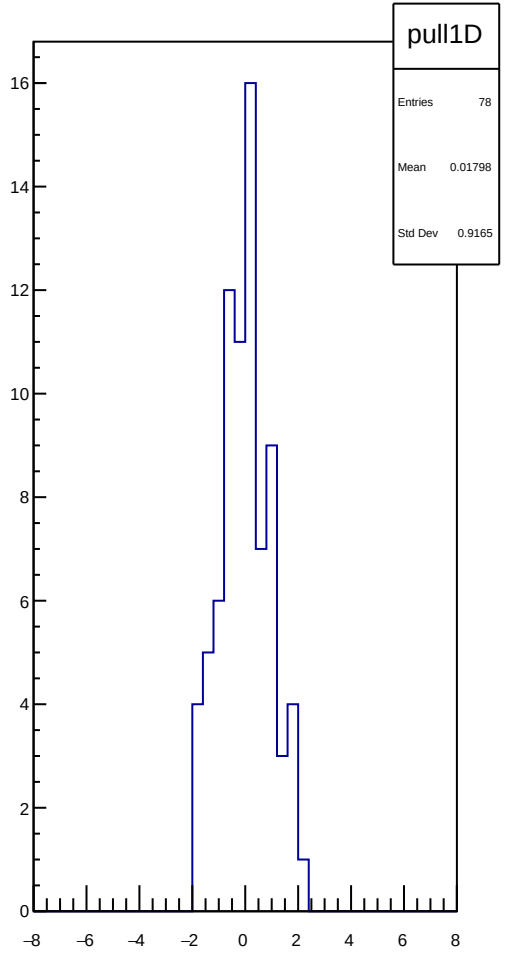

asym_sam6_correction_rms vs run
χ² / ndf 6264 / 77
p0 1312 ± 1.05
1550
1500
1450
1400
1350
1300
1250
1200
1150

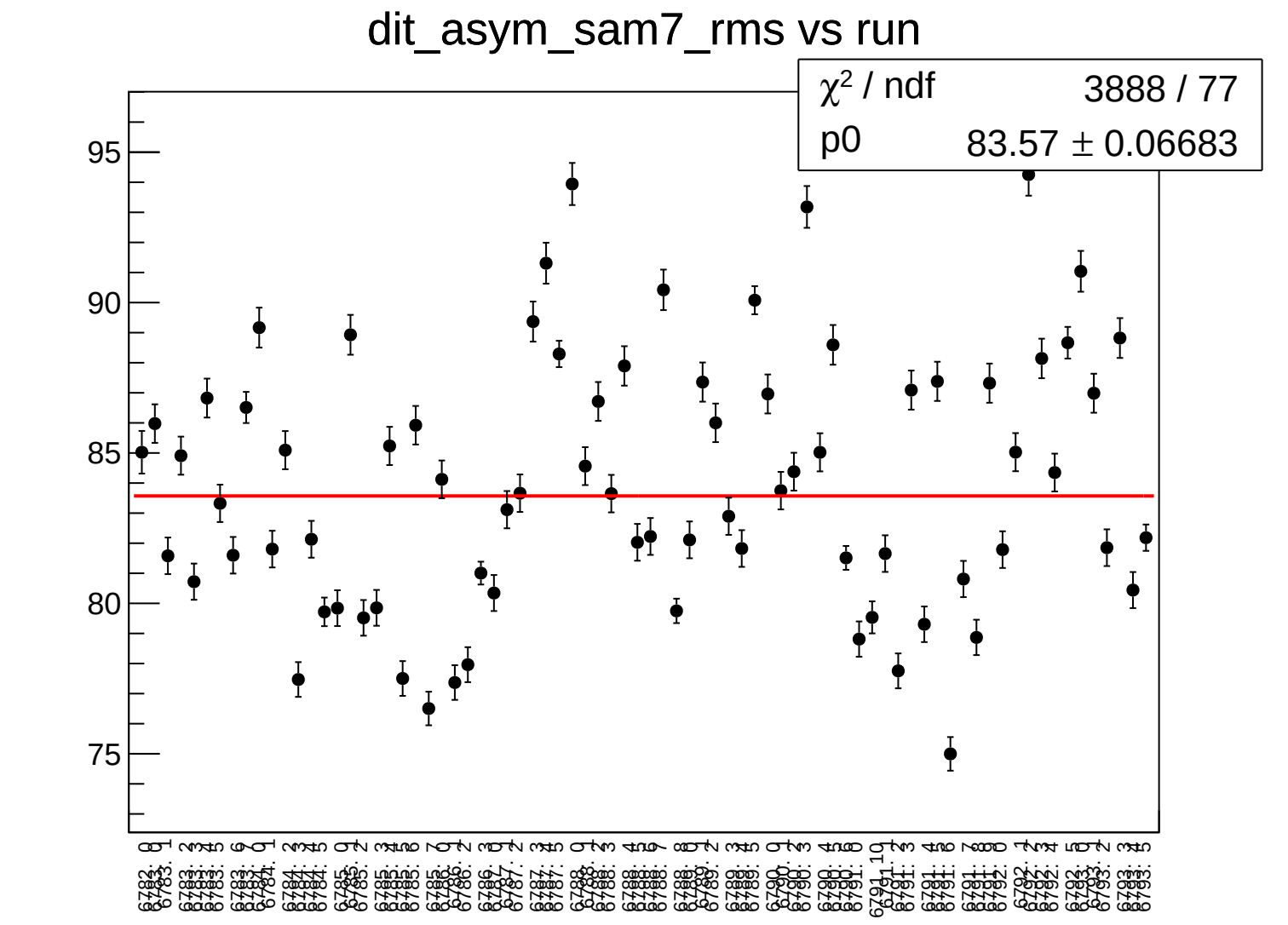

asym_sam6_mean vs run
χ² / ndf 74.87 / 77
p0 −1775 ± 1430
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 81.67
Std Dev 97.48
2
1
0
−1
−2

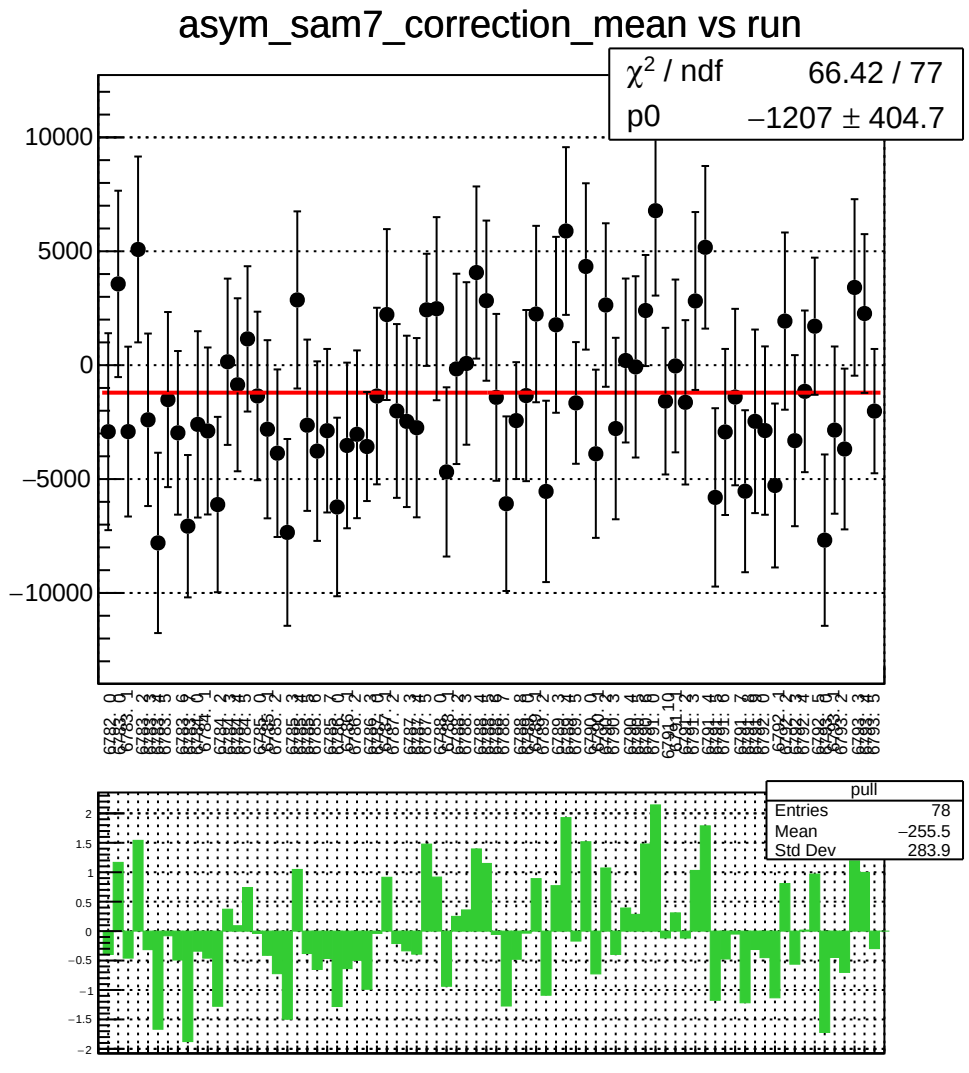

pull1D
Entries 78
Mean 0.005187
Std Dev 0.9797
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

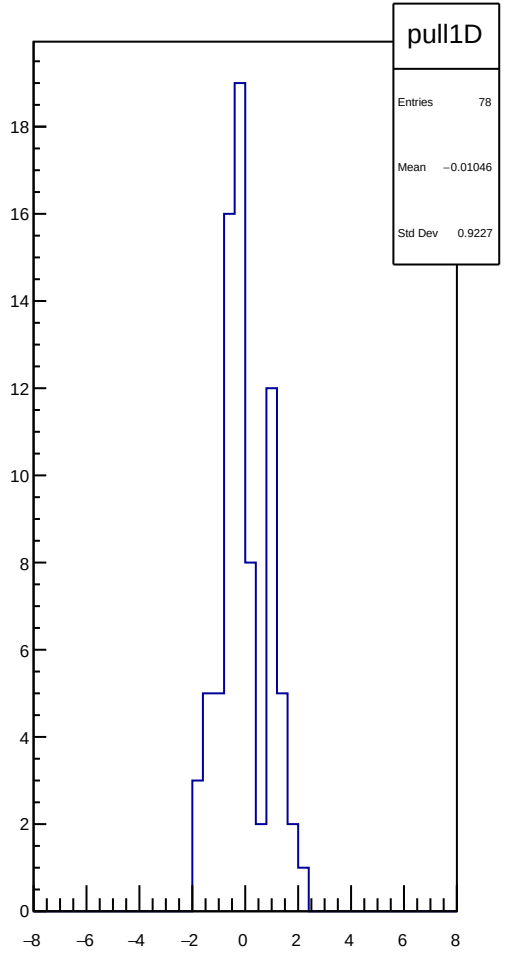

asym_sam6_rms vs run
χ^2 / ndf 9697 / 77
p0 1262 ± 1.011
1500
1400
1300
1200
1100

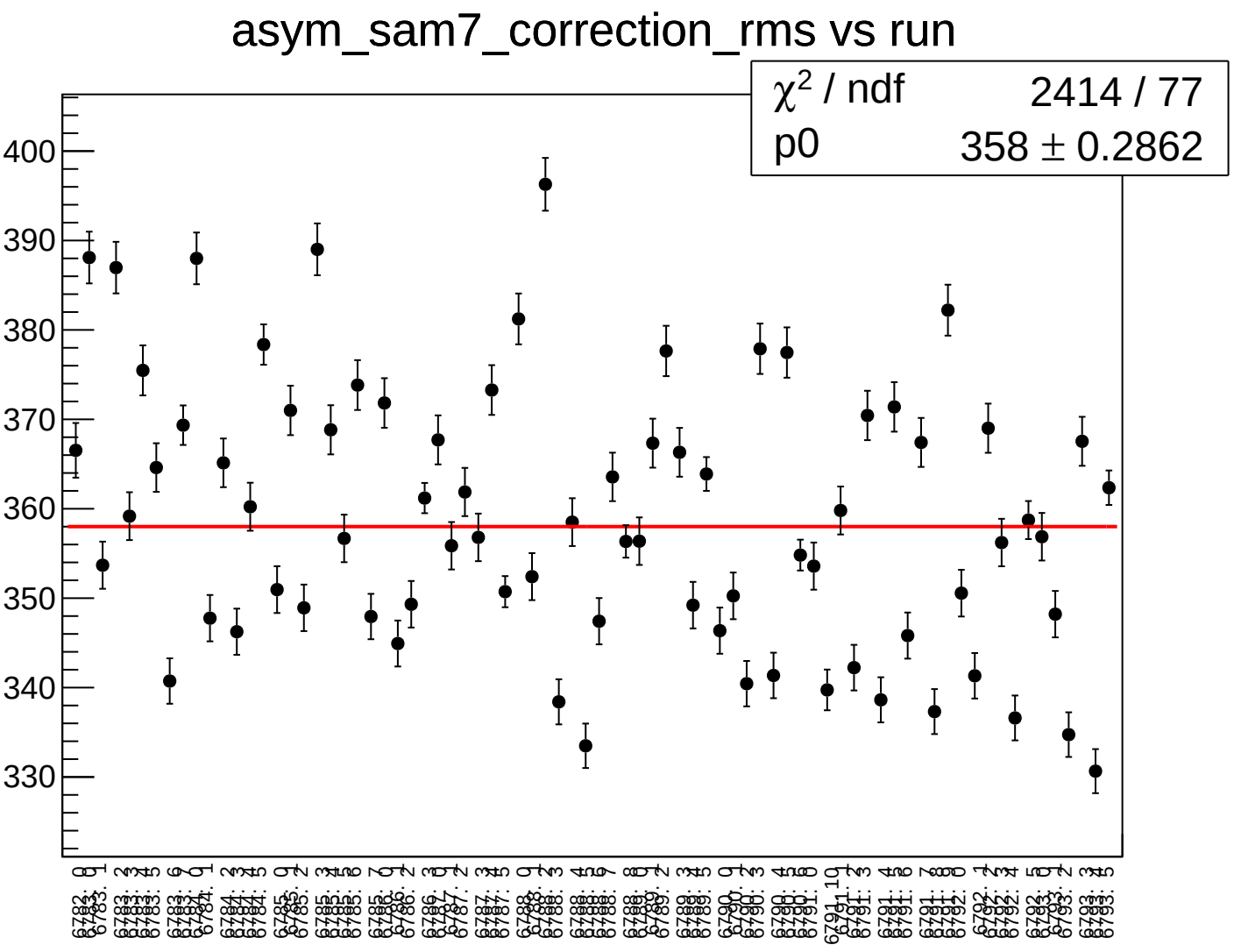

dit_asym_sam7_mean vs run
χ² / ndf 65.55 / 77
p0 395.9 ± 94.52
3000
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −232.1
Std Dev 266.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

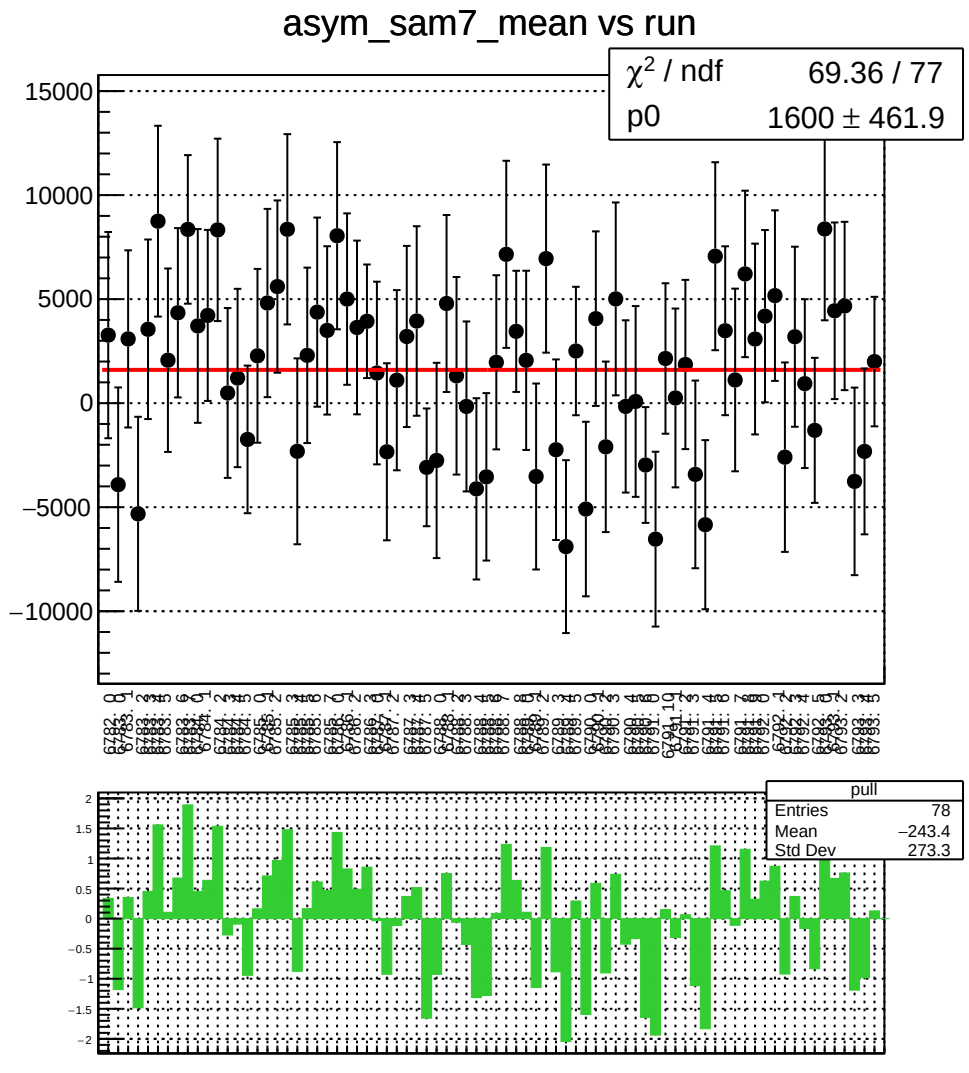

pull1D
Entries 78
Mean 0.01798
Std Dev 0.9165
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

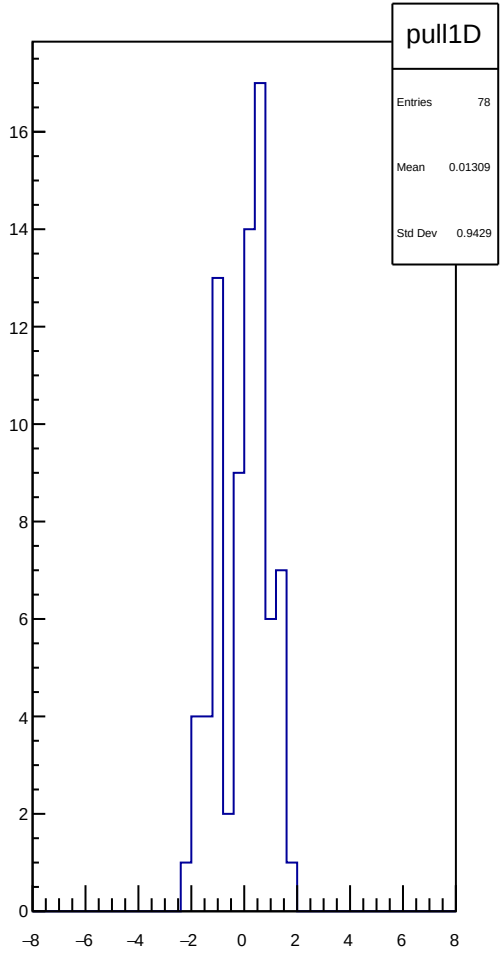

dit_asym_sam7_rms vs run
χ^2 / ndf 3888 / 77
p0 83.57 ± 0.06683
95
90
85
80
75

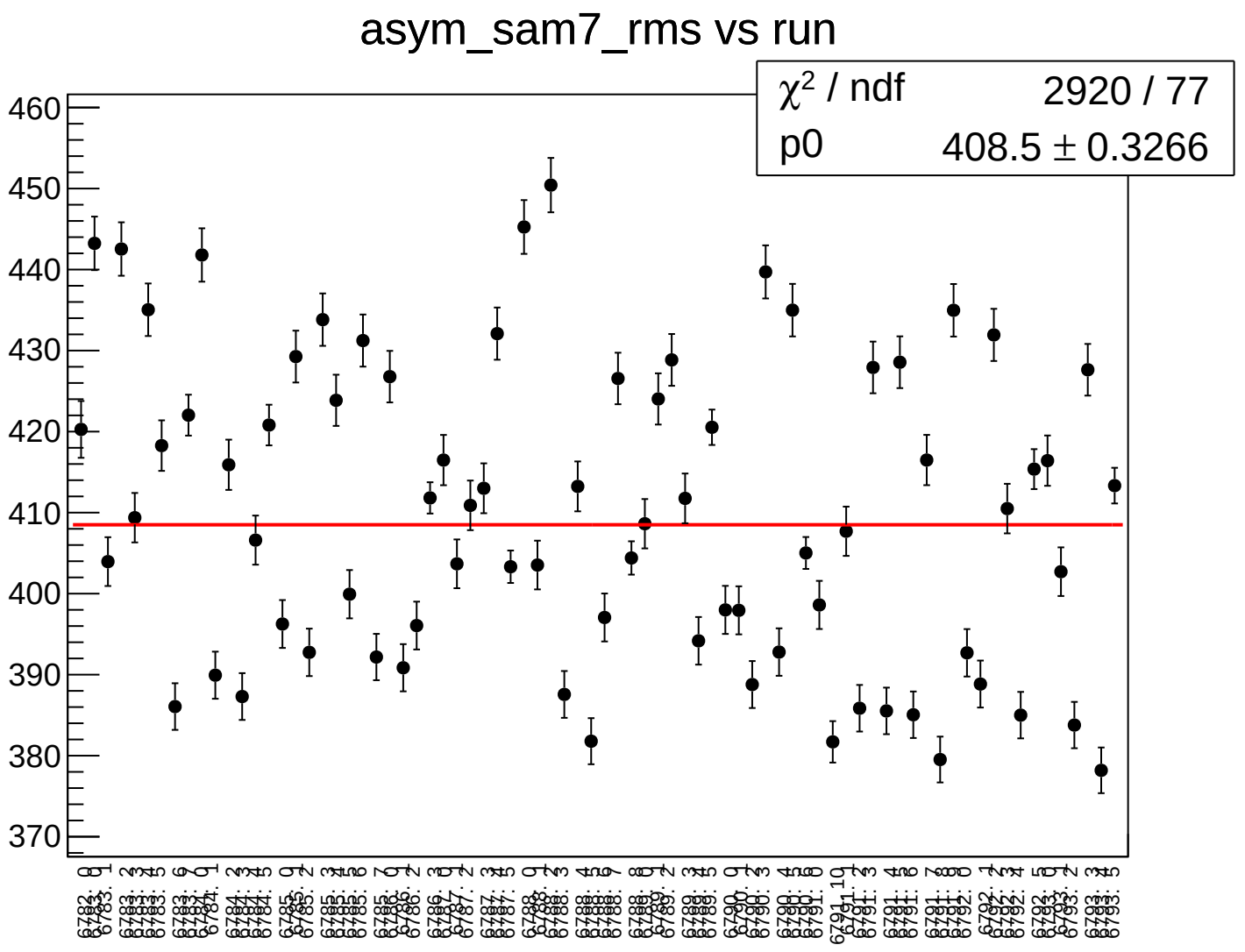

asym_sam7_correction_mean vs run
χ² / ndf 66.42 / 77
p0 −1207 ± 404.7
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −255.5
Std Dev 283.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

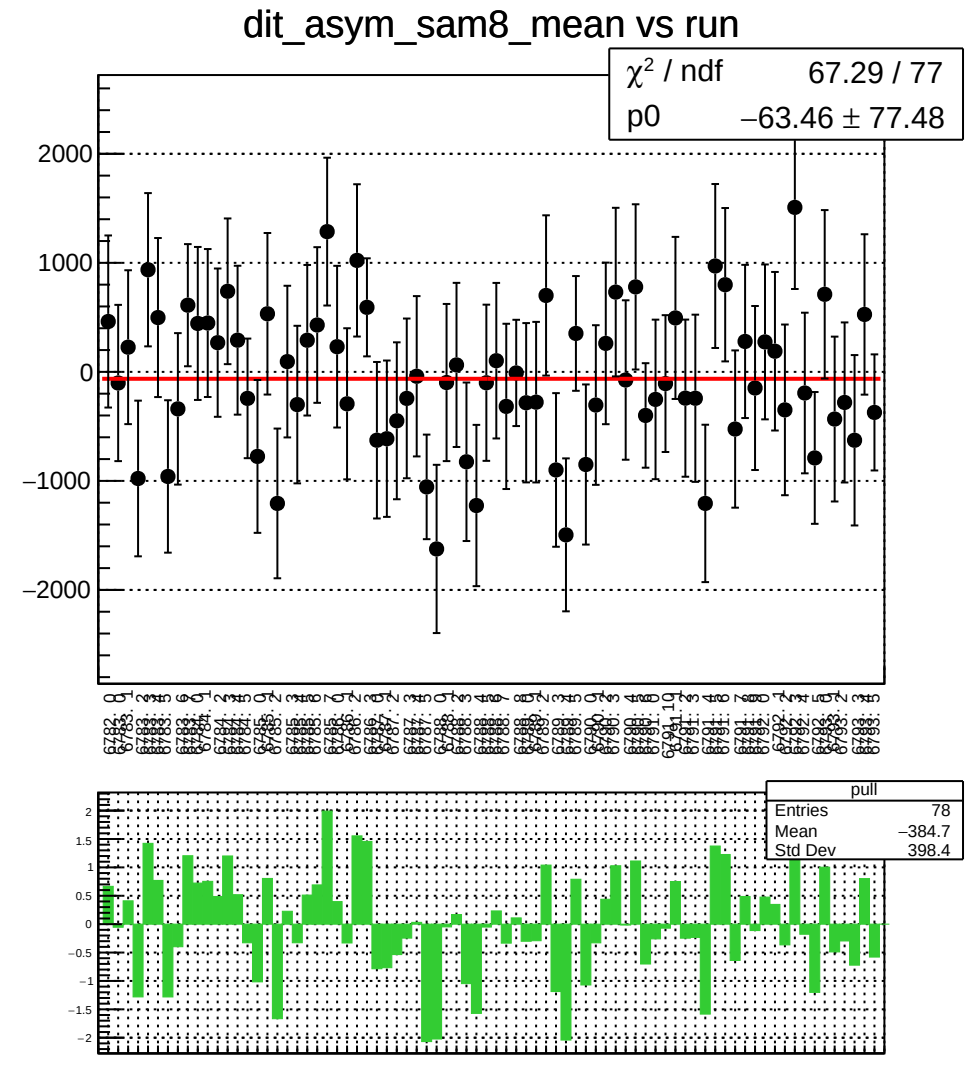

pull1D
Entries 78
Mean −0.01046
Std Dev 0.9227
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

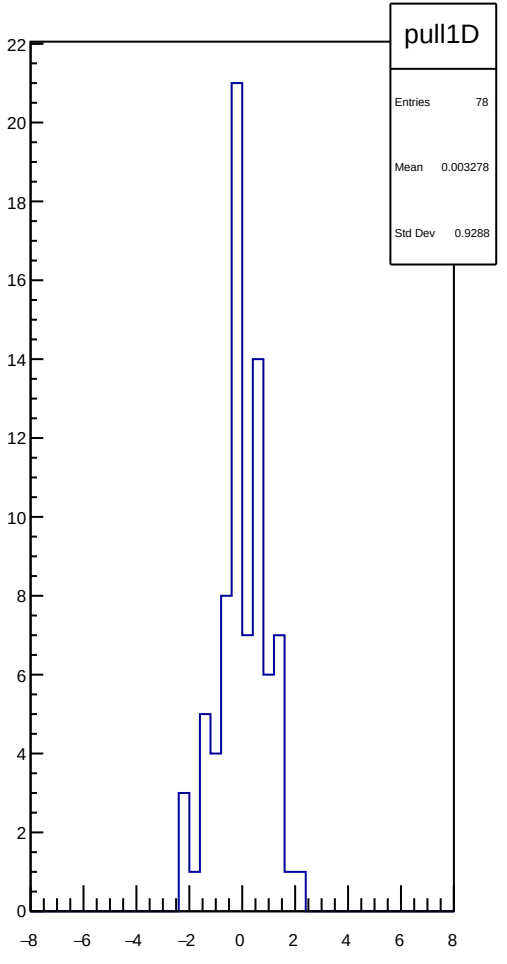

asym_sam7_correction_rms vs run
χ^2 / ndf 2414 / 77
p0 358 ± 0.2862
400
390
380
370
360
350
340
330

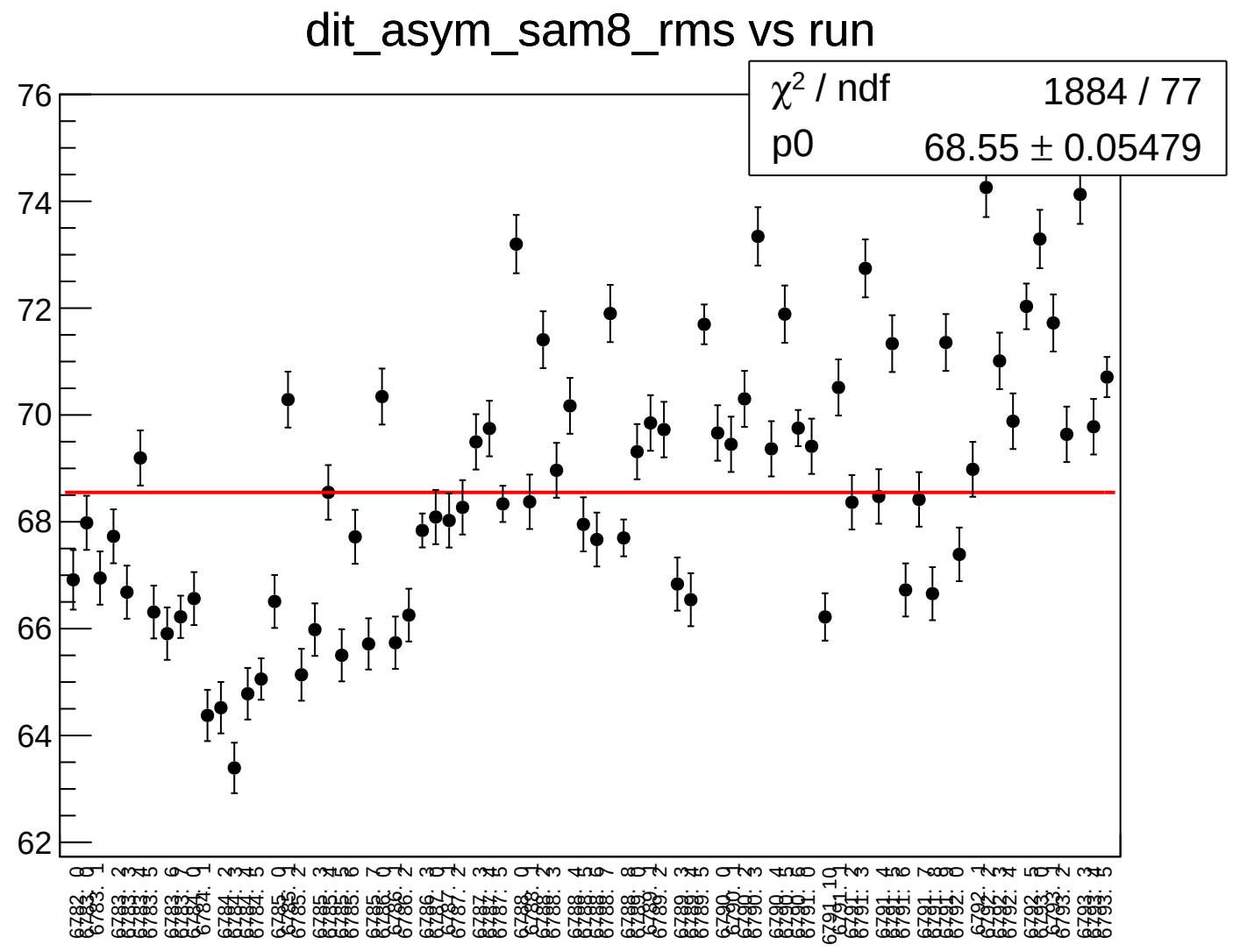

asym_sam7_mean vs run
χ² / ndf 69.36 / 77
p0 1600 ± 461.9
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −243.4
Std Dev 273.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

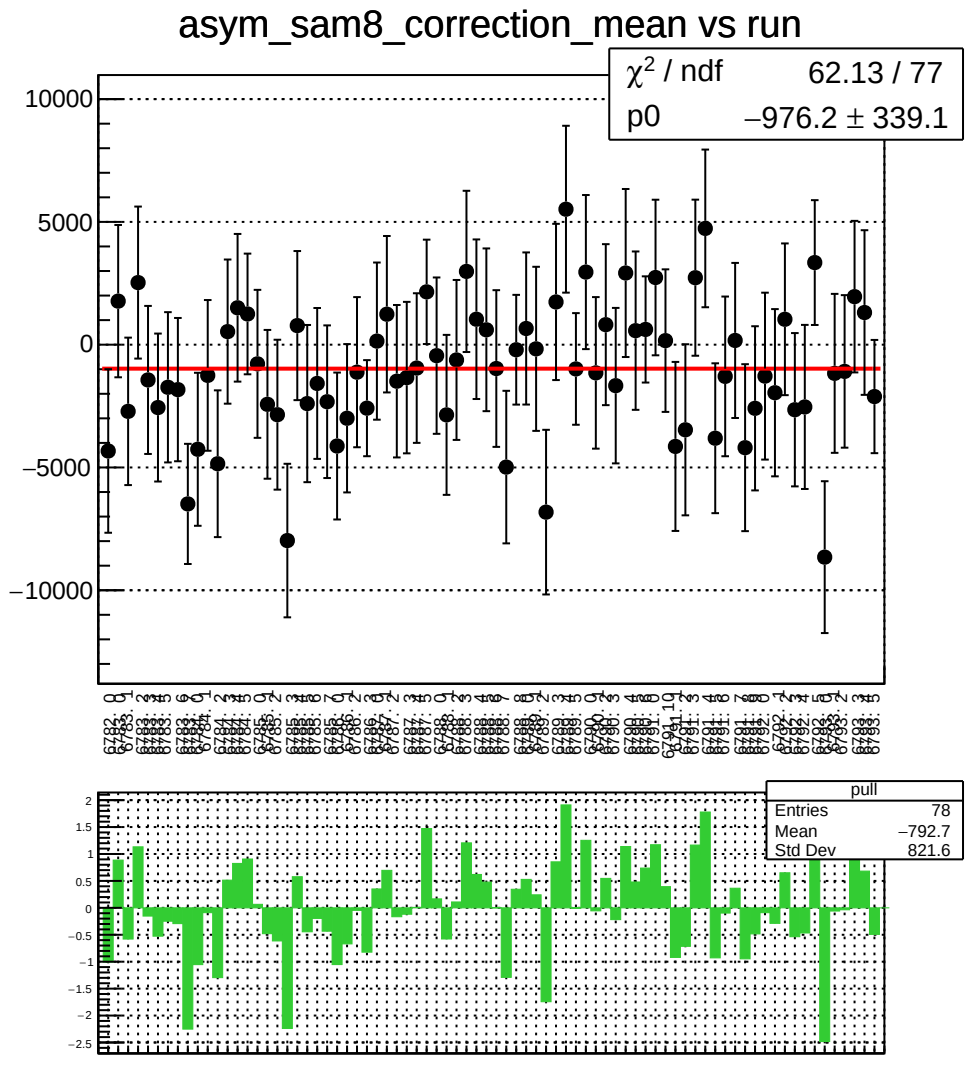

pull1D
Entries 78
Mean 0.01309
Std Dev 0.9429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

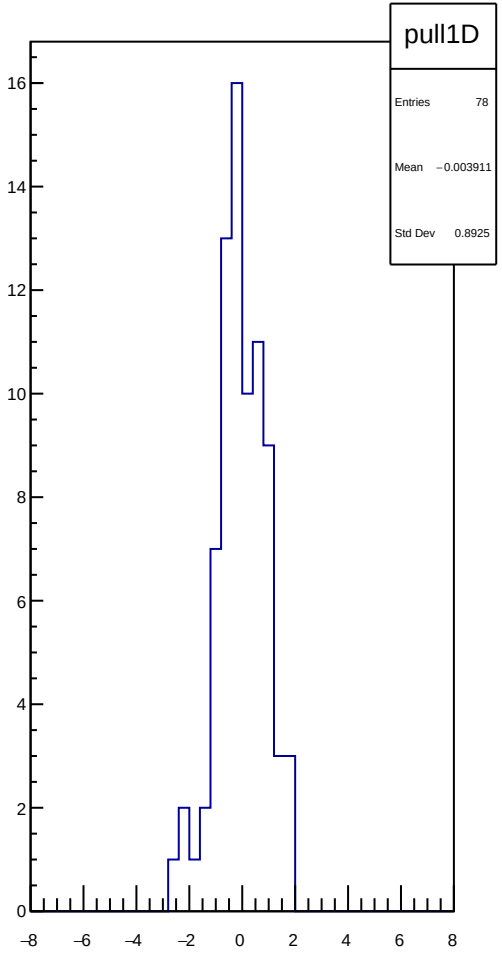

asym_sam7_rms vs run
χ² / ndf 2920 / 77
p0 408.5 ± 0.3266
460
450
440
430
420
410
400
390
380
370

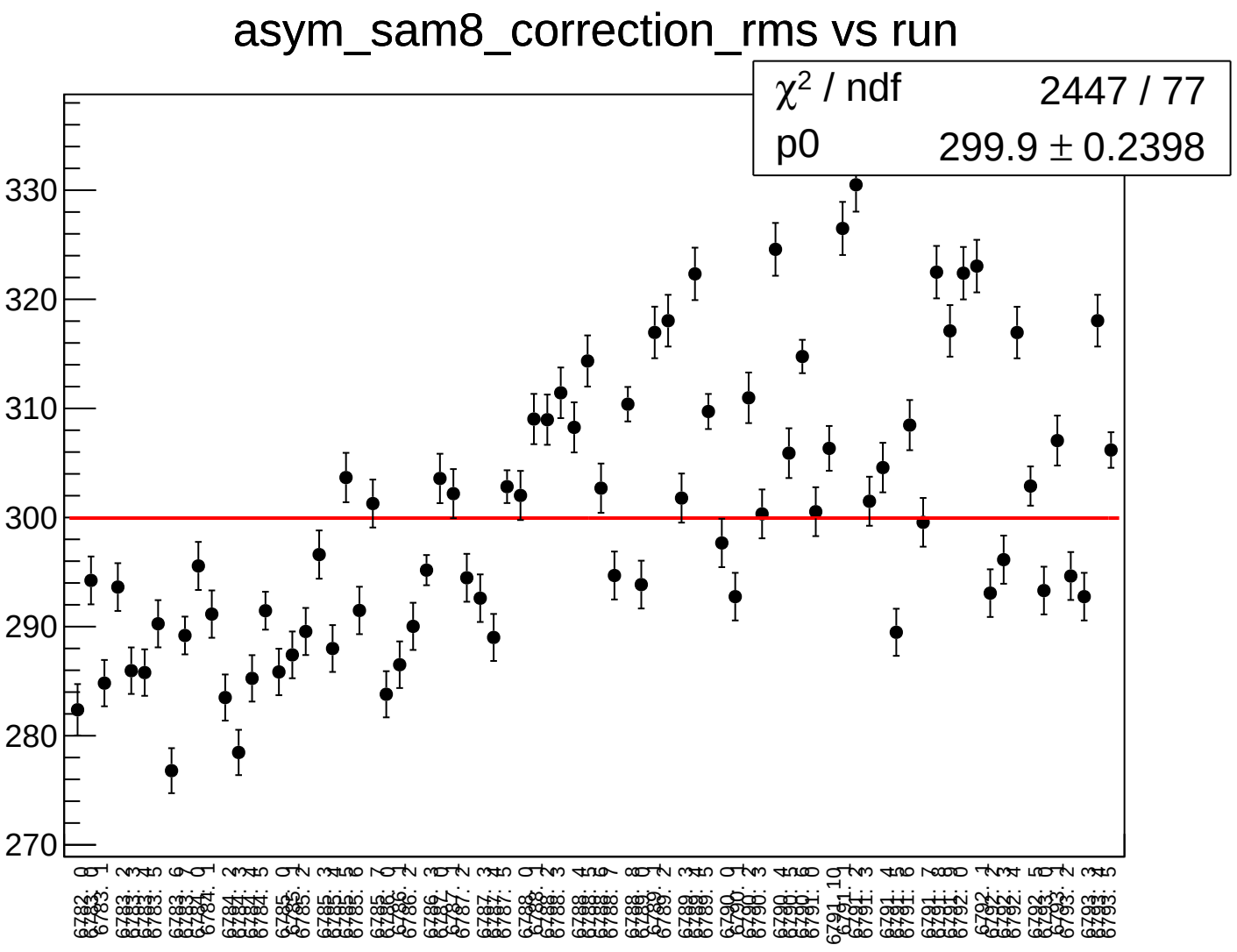

dit_asym_sam8_mean vs run
χ² / ndf 67.29 / 77
p0 −63.46 ± 77.48
2000
1000
0
−1000
−2000
pull
Entries 78
Mean −384.7
Std Dev 398.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

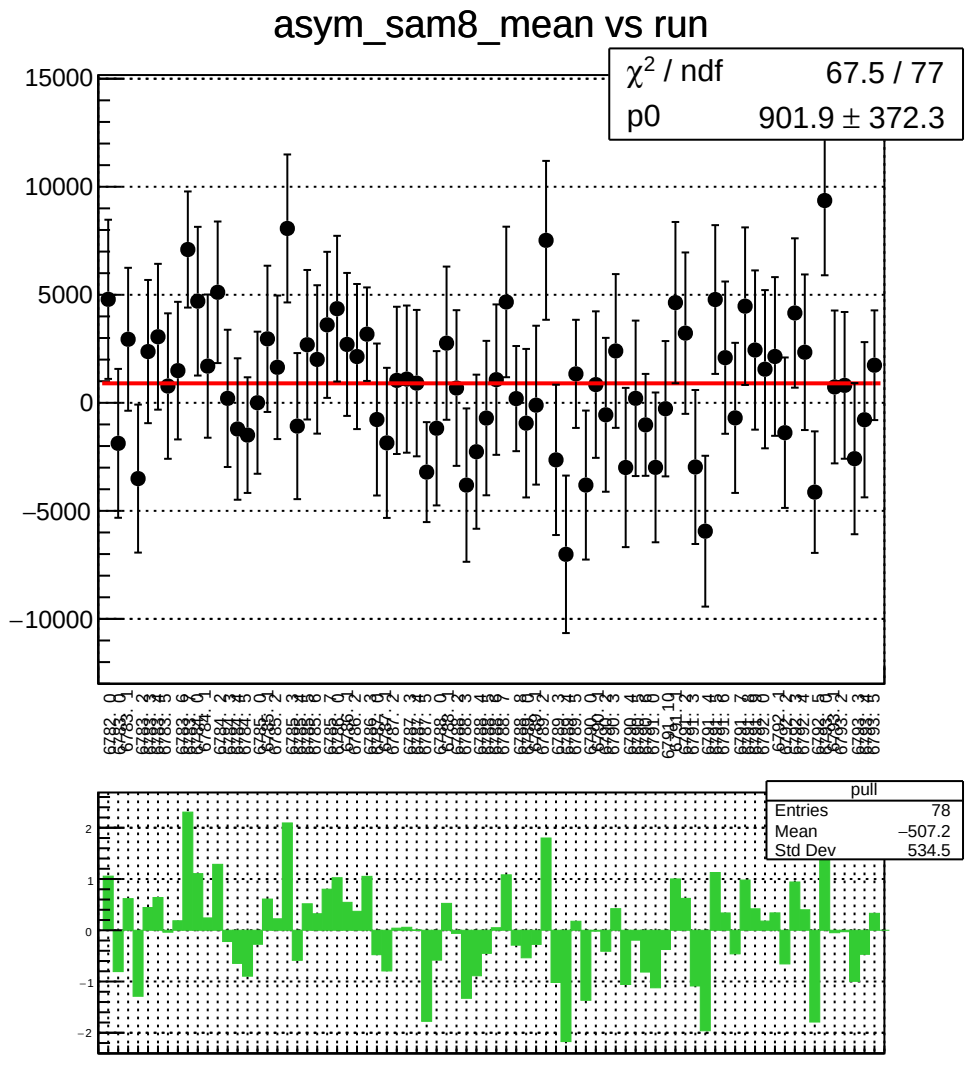

pull1D
Entries 78
Mean 0.003278
Std Dev 0.9288
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

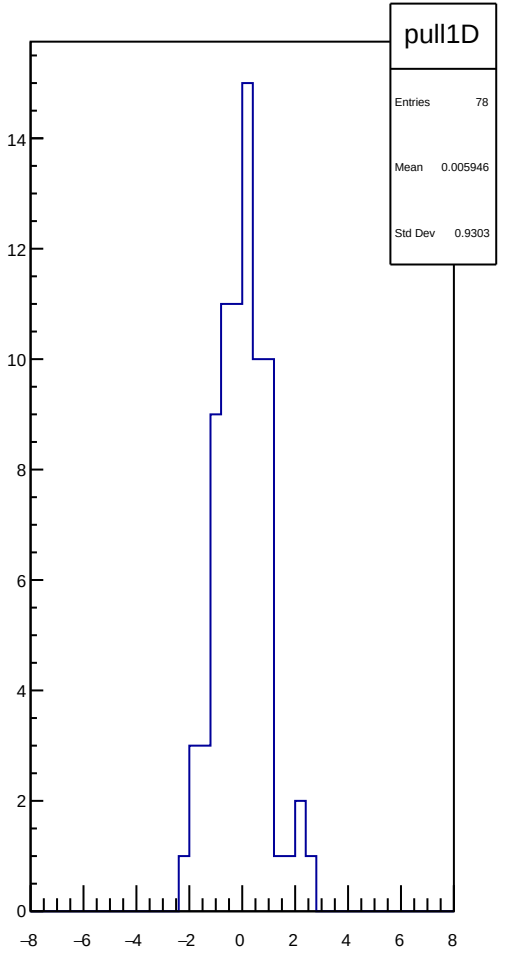

dit_asym_sam8_rms vs run
χ^2 / ndf 1884 / 77
p0 68.55 ± 0.05479
76
74
72
70
68
66
64
62

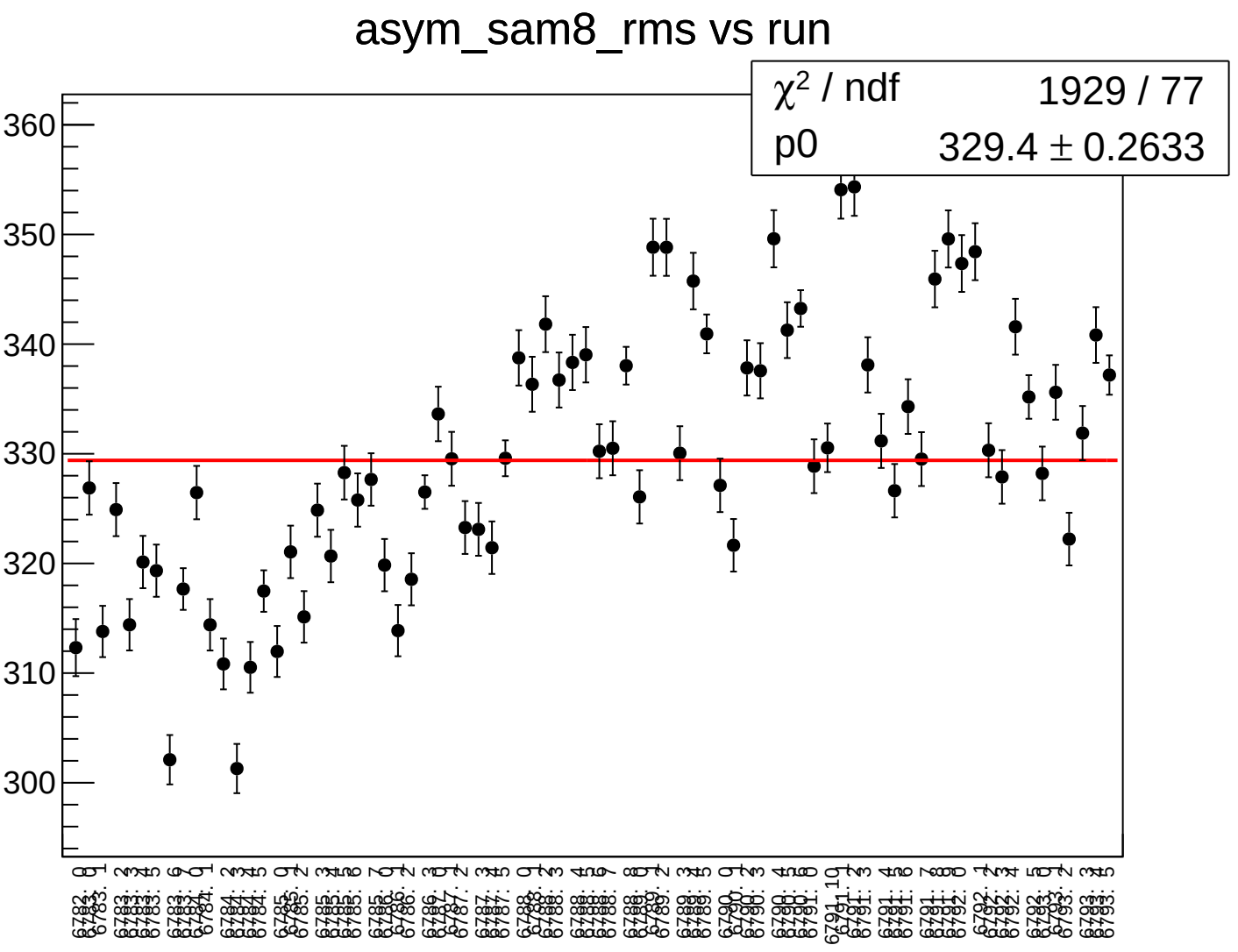

asym_sam8_correction_mean vs run
χ² / ndf 62.13 / 77
p0 −976.2 ± 339.1
pull
Entries 78
Mean −792.7
Std Dev 821.6

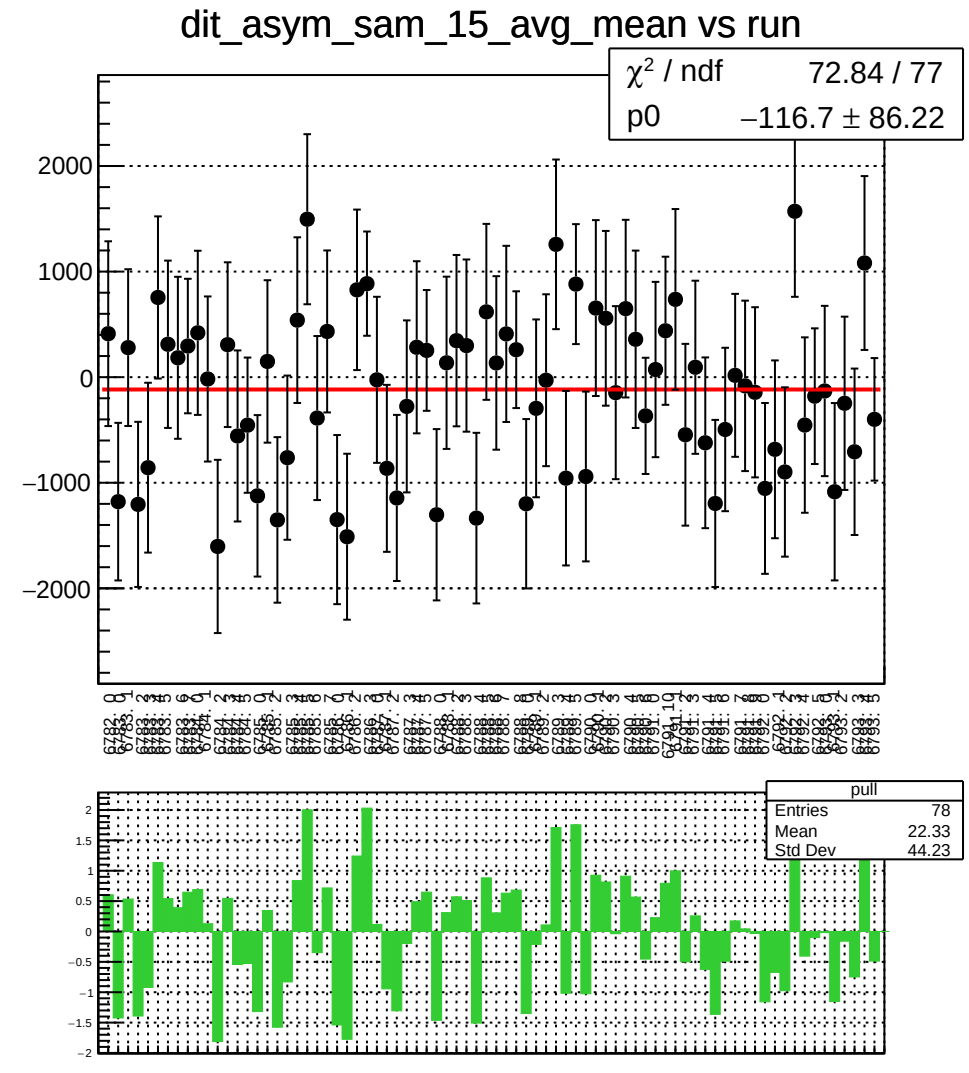

pull1D
Entries 78
Mean −0.003911
Std Dev 0.8925

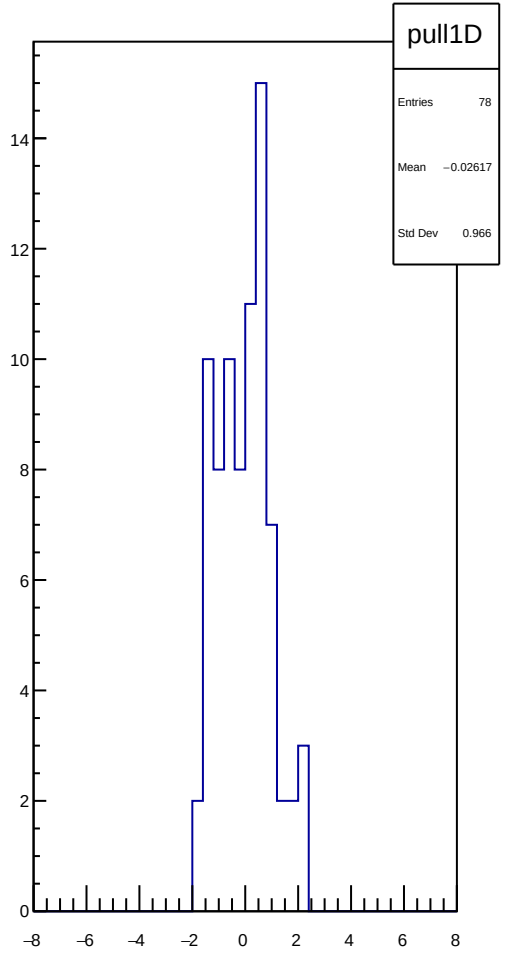

asym_sam8_correction_rms vs run
χ² / ndf 2447 / 77
p0 299.9 ± 0.2398
330
320
310
300
290
280
270

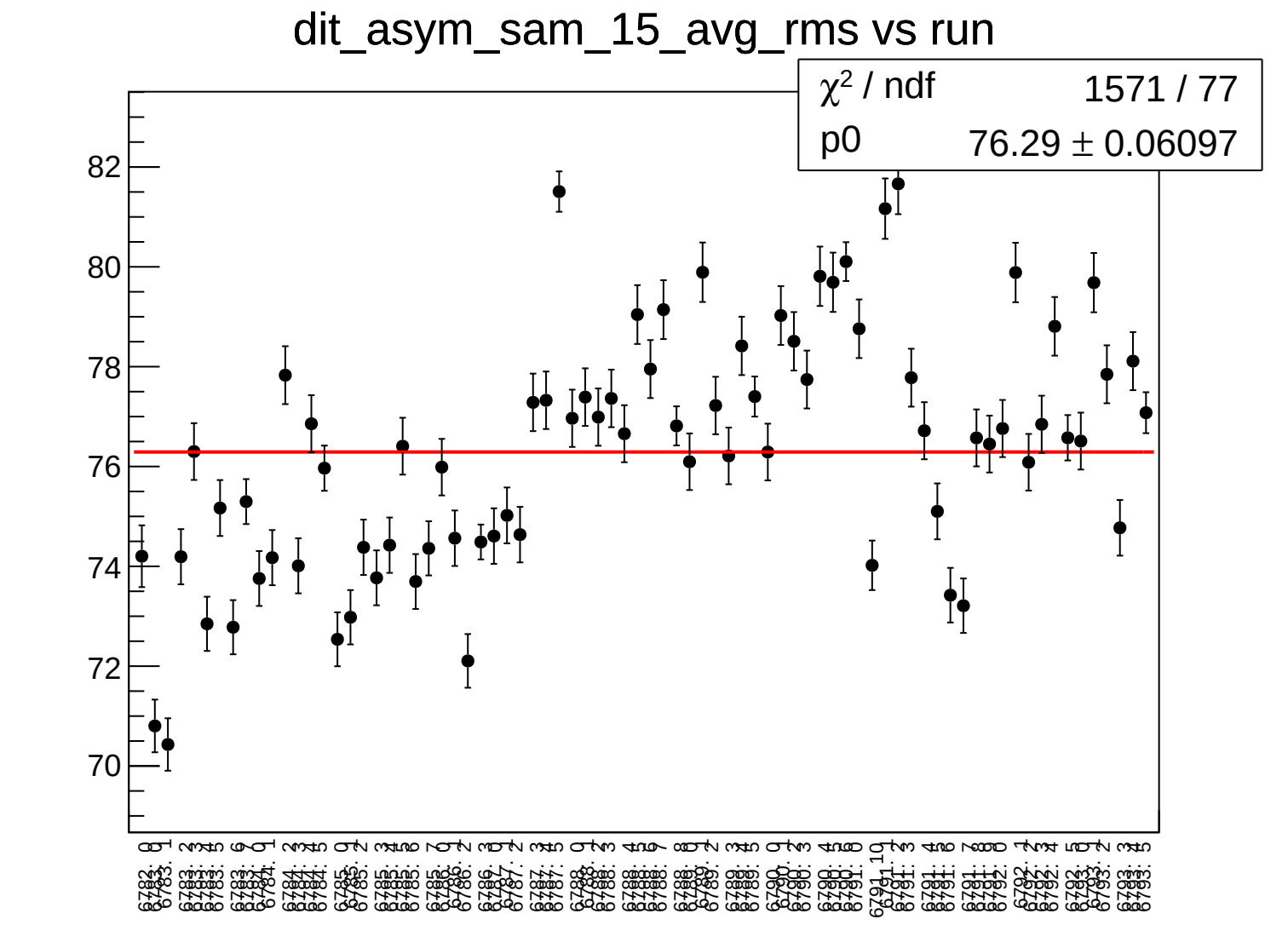

asym_sam8_mean vs run
χ^2 / ndf 67.5 / 77
p0 901.9 ± 372.3
15000
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −507.2
Std Dev 534.5
2
1
0
−1
−2

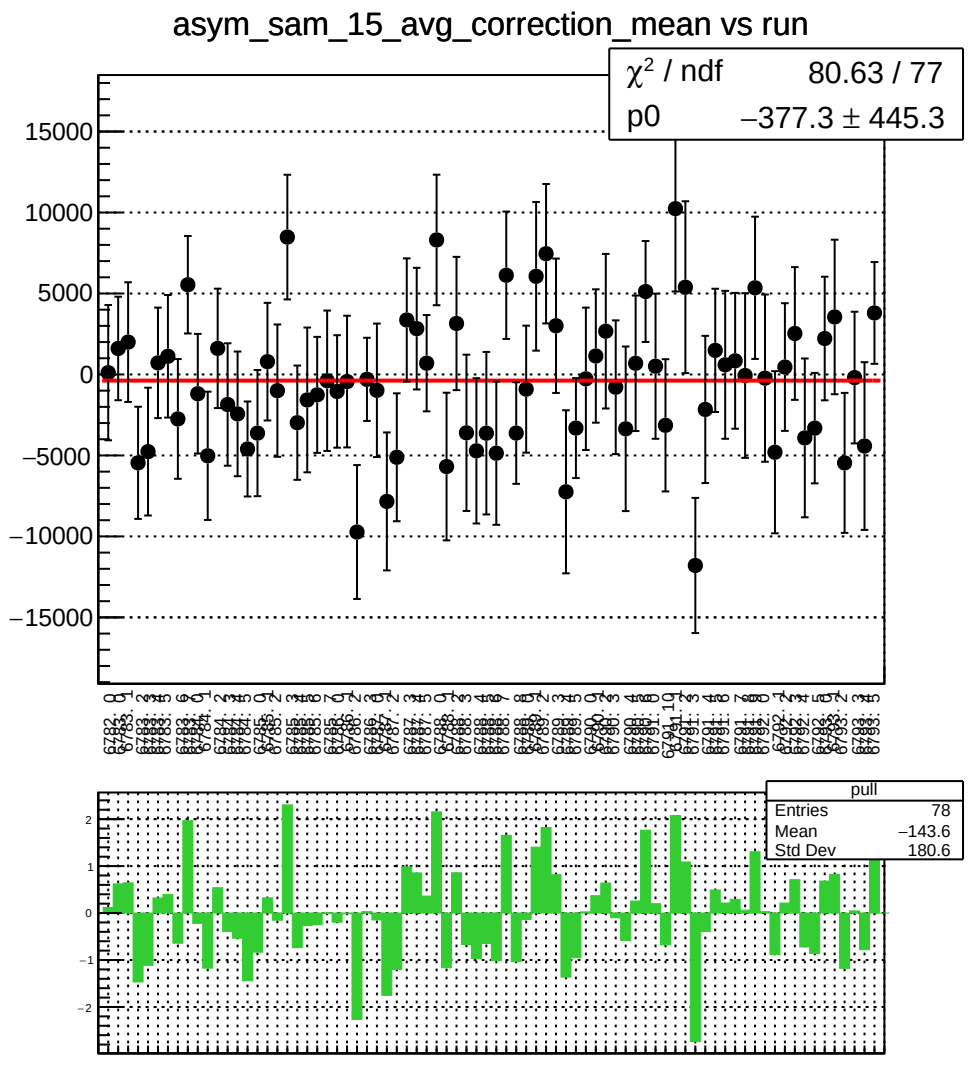

pull1D
Entries 78
Mean 0.005946
Std Dev 0.9303
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

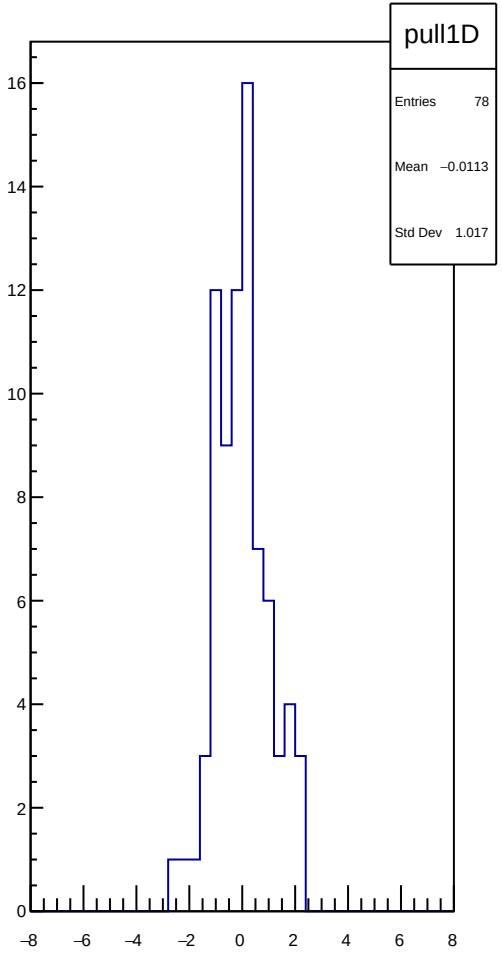

asym_sam8_rms vs run
χ^2 / ndf 1929 / 77
p0 329.4 ± 0.2633
360
350
340
330
320
310
300

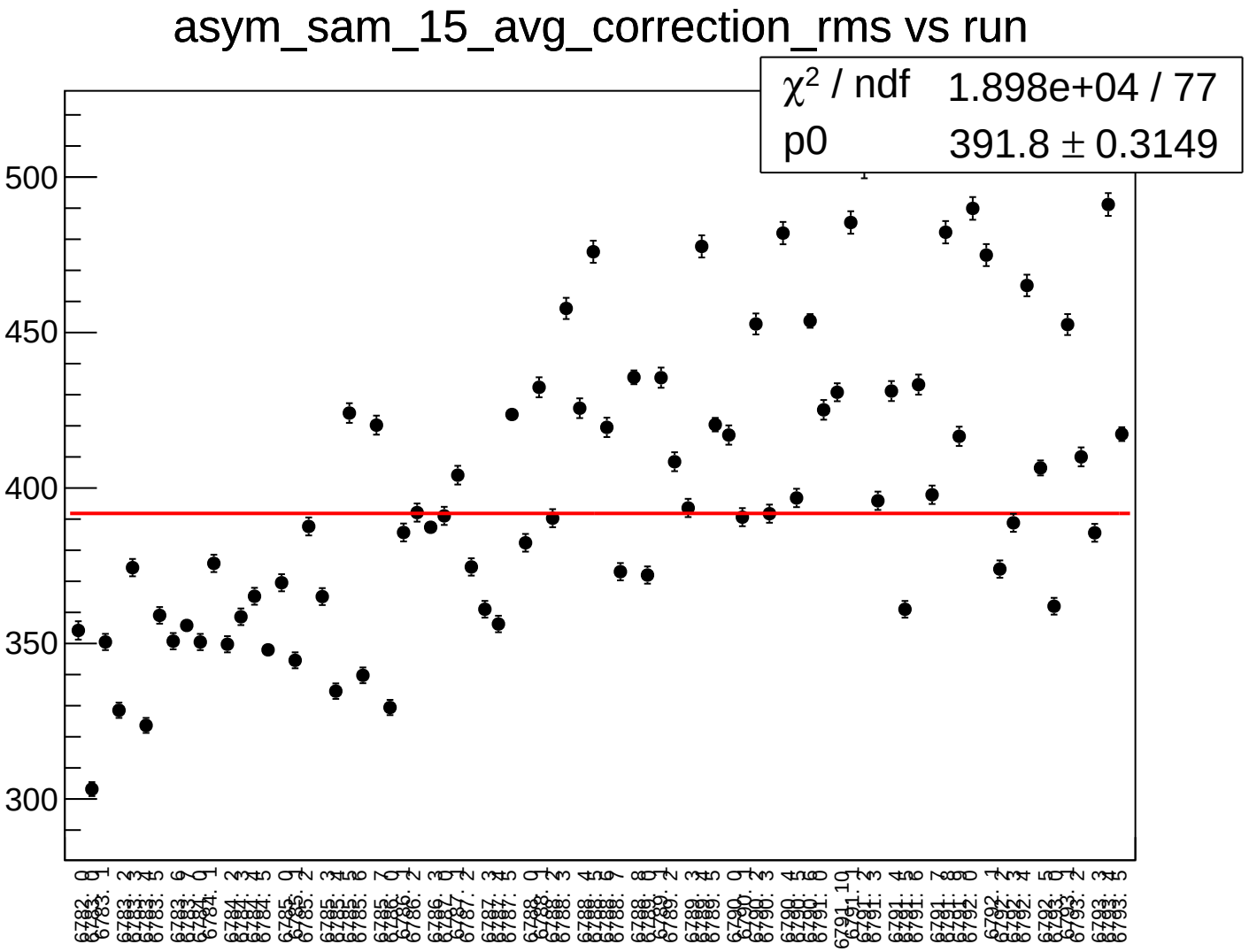

dit_asym_sam_15_avg_mean vs run
χ² / ndf 72.84 / 77
p0 −116.7 ± 86.22
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 22.33
Std Dev 44.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

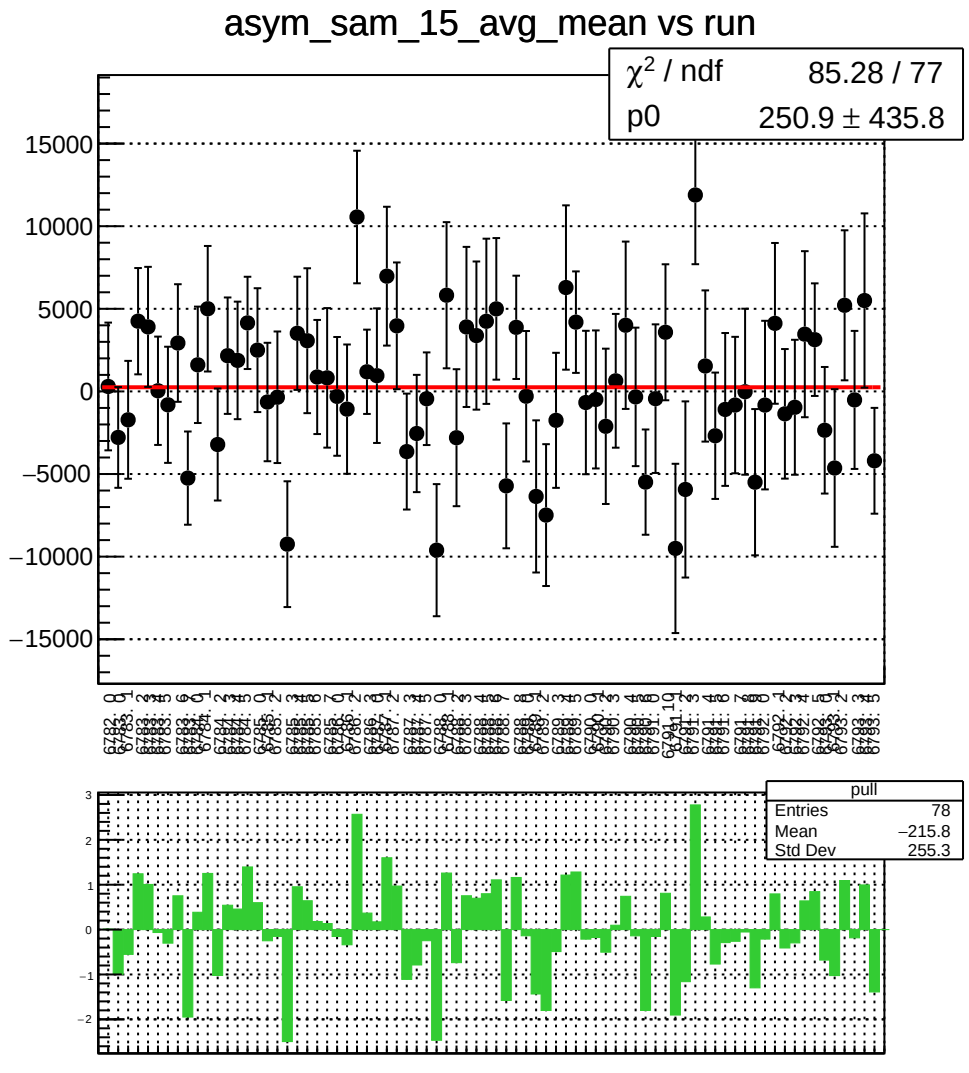

pull1D
Entries 78
Mean −0.02617
Std Dev 0.966
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

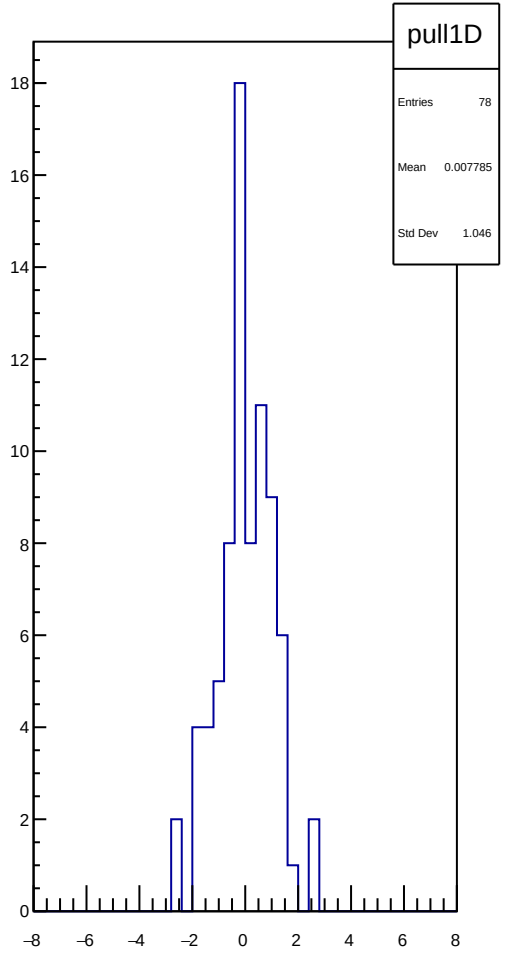

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1571 / 77
p0 76.29 ± 0.06097
82
80
78
76
74
72
70

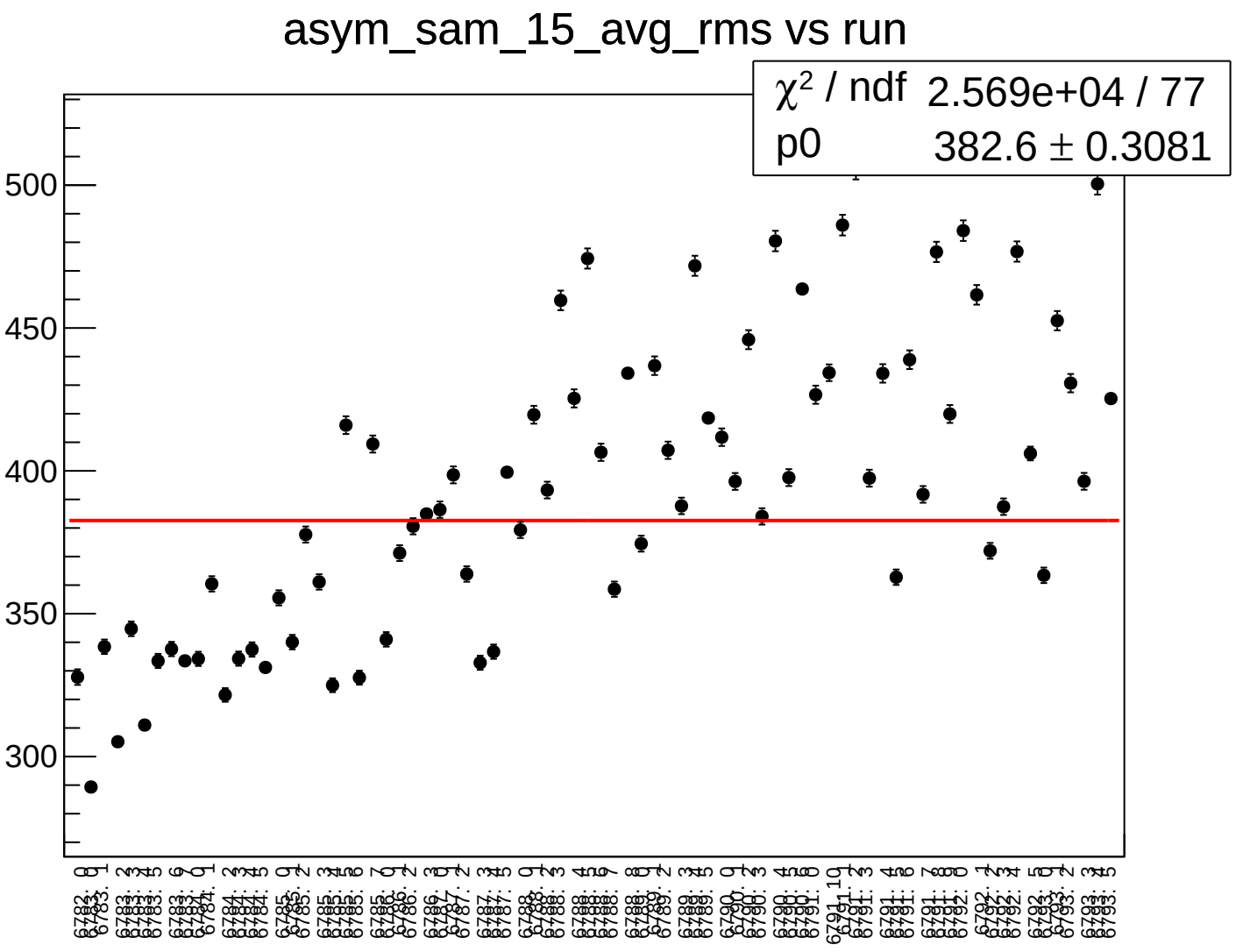

asym_sam_15_avg_correction_mean vs run
χ² / ndf 80.63 / 77
p0 −377.3 ± 445.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −143.6
Std Dev 180.6
2
1
0
−1
−2

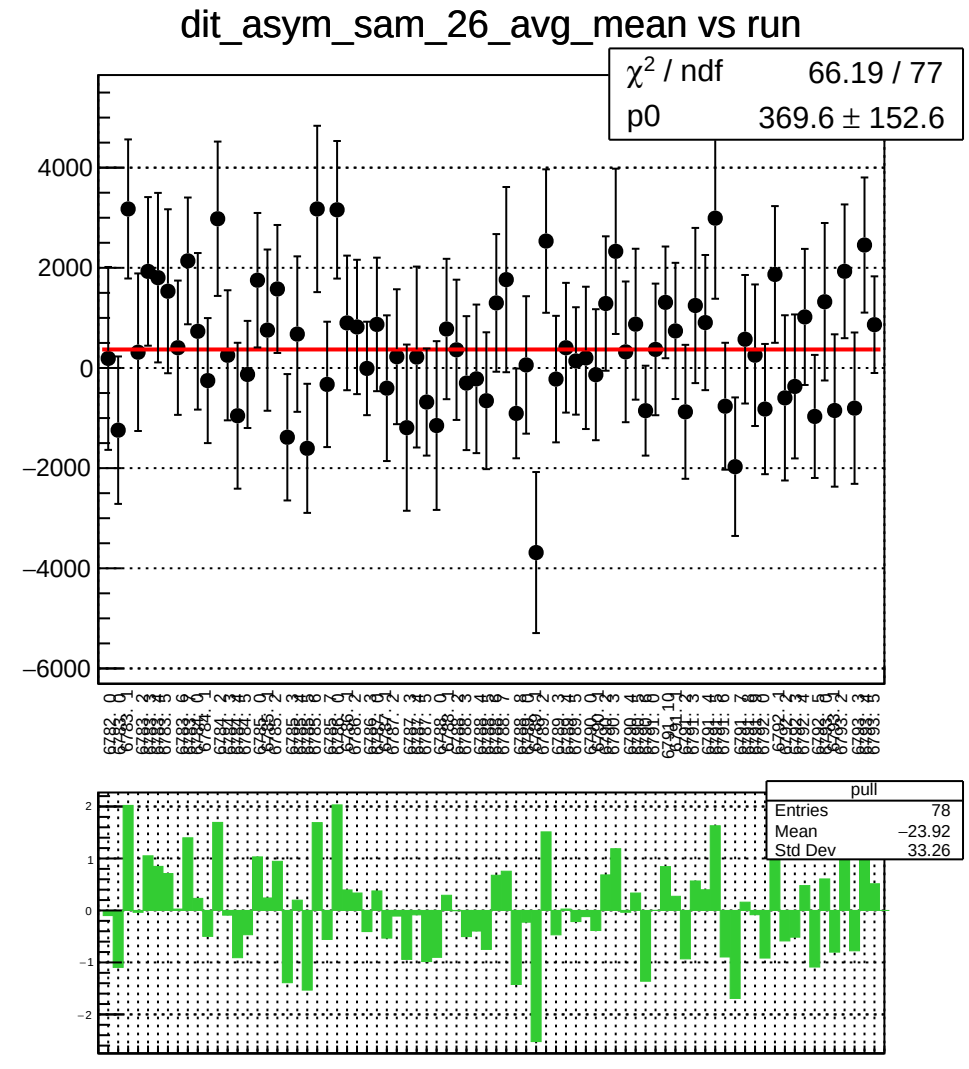

pull1D
Entries 78
Mean −0.0113
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

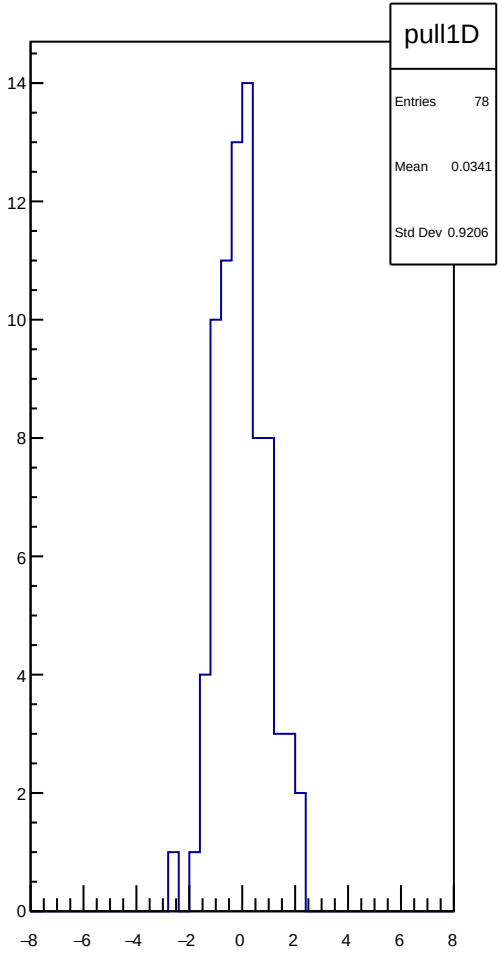

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.898e+04 / 77
p0 391.8 ± 0.3149
500
450
400
350
300

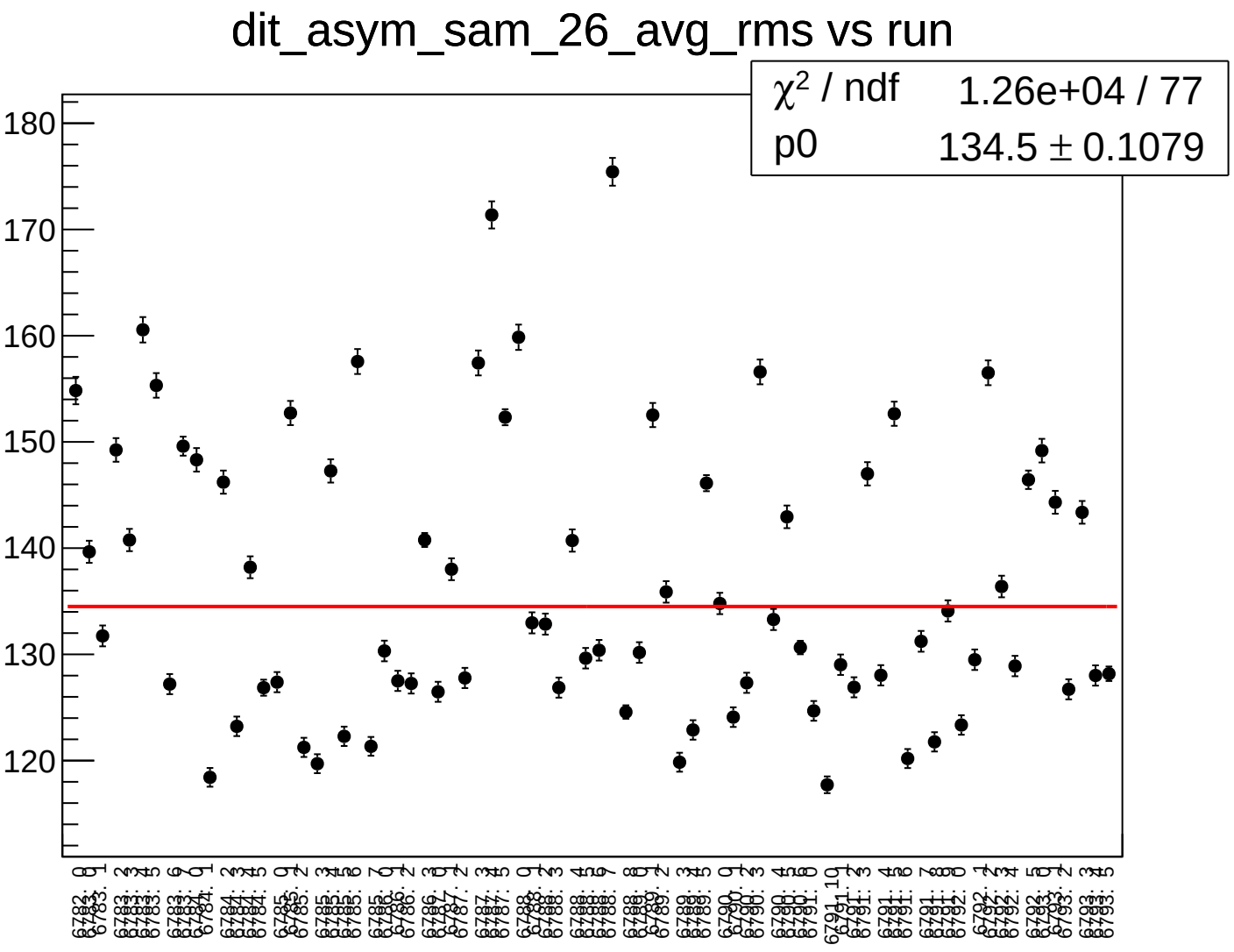

asym_sam_15_avg_mean vs run
χ² / ndf 85.28 / 77
p0 250.9 ± 435.8
pull
Entries 78
Mean −215.8
Std Dev 255.3

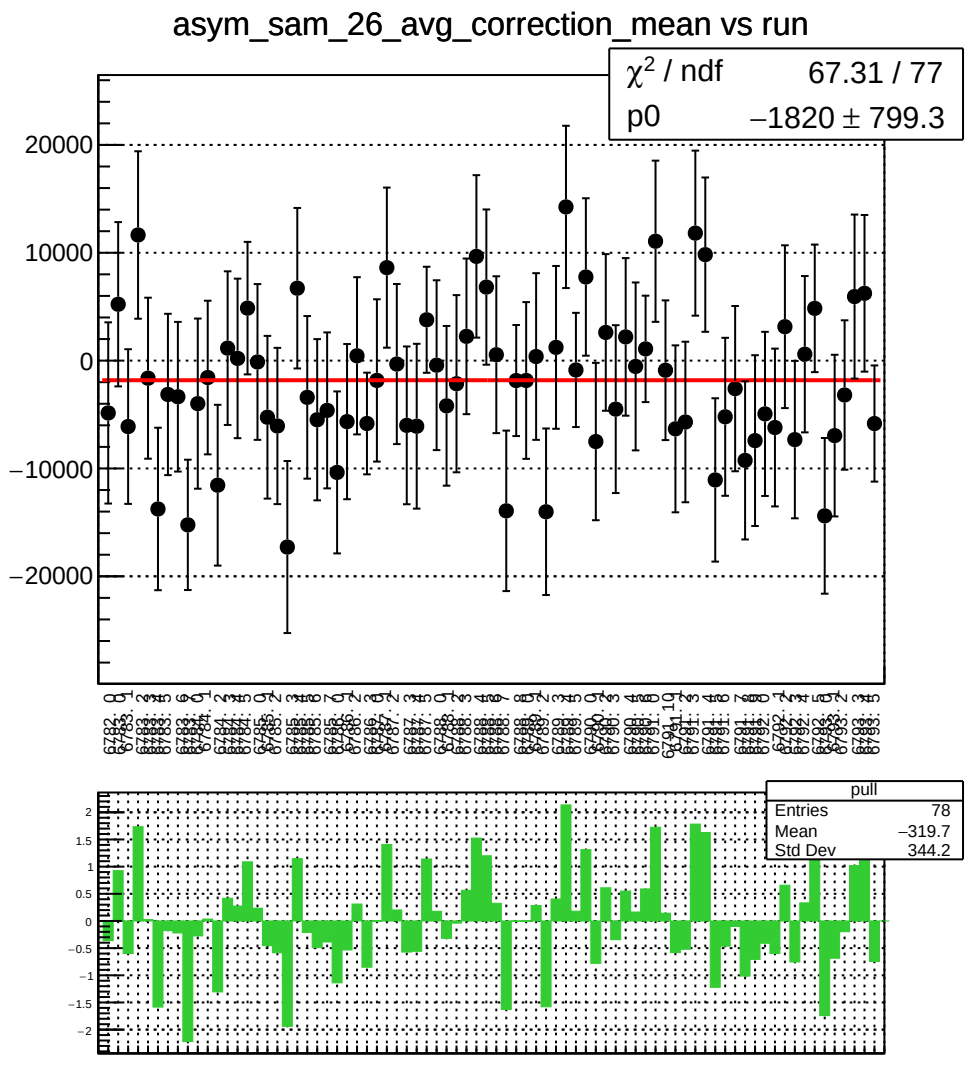

pull1D
Entries 78
Mean 0.007785
Std Dev 1.046

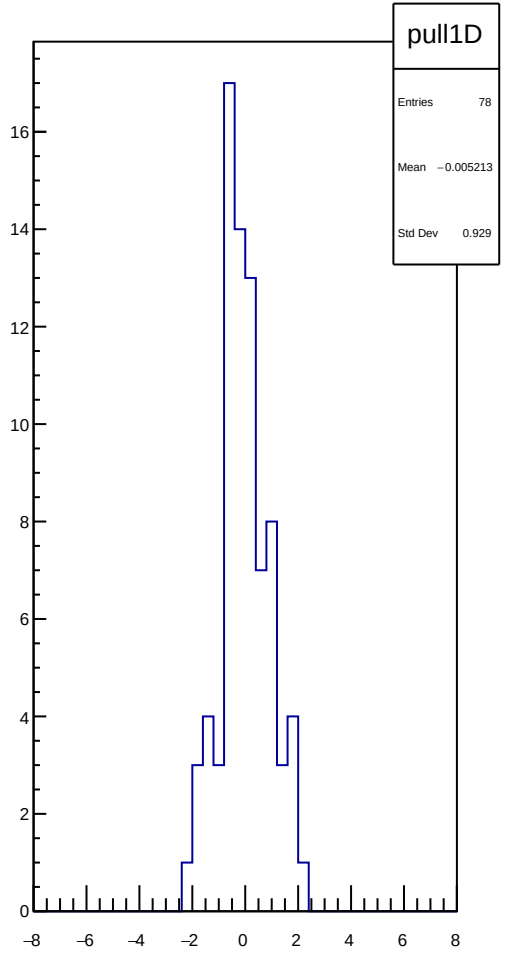

asym_sam_15_avg_rms vs run
χ² / ndf 2.569e+04 / 77
p0 382.6 ± 0.3081
500
450
400
350
300

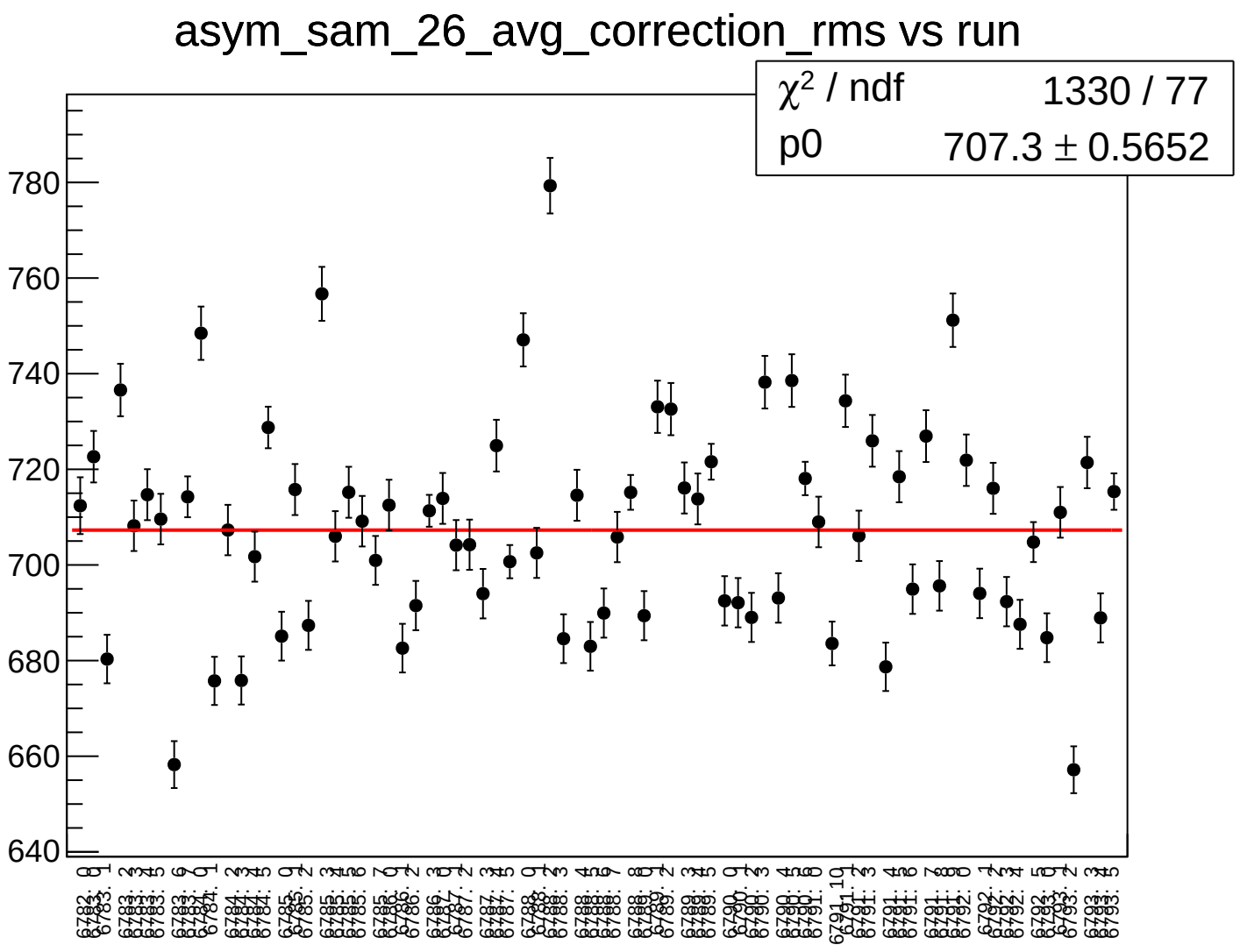

dit_asym_sam_26_avg_mean vs run
χ² / ndf 66.19 / 77
p0 369.6 ± 152.6
pull
Entries 78
Mean −23.92
Std Dev 33.26

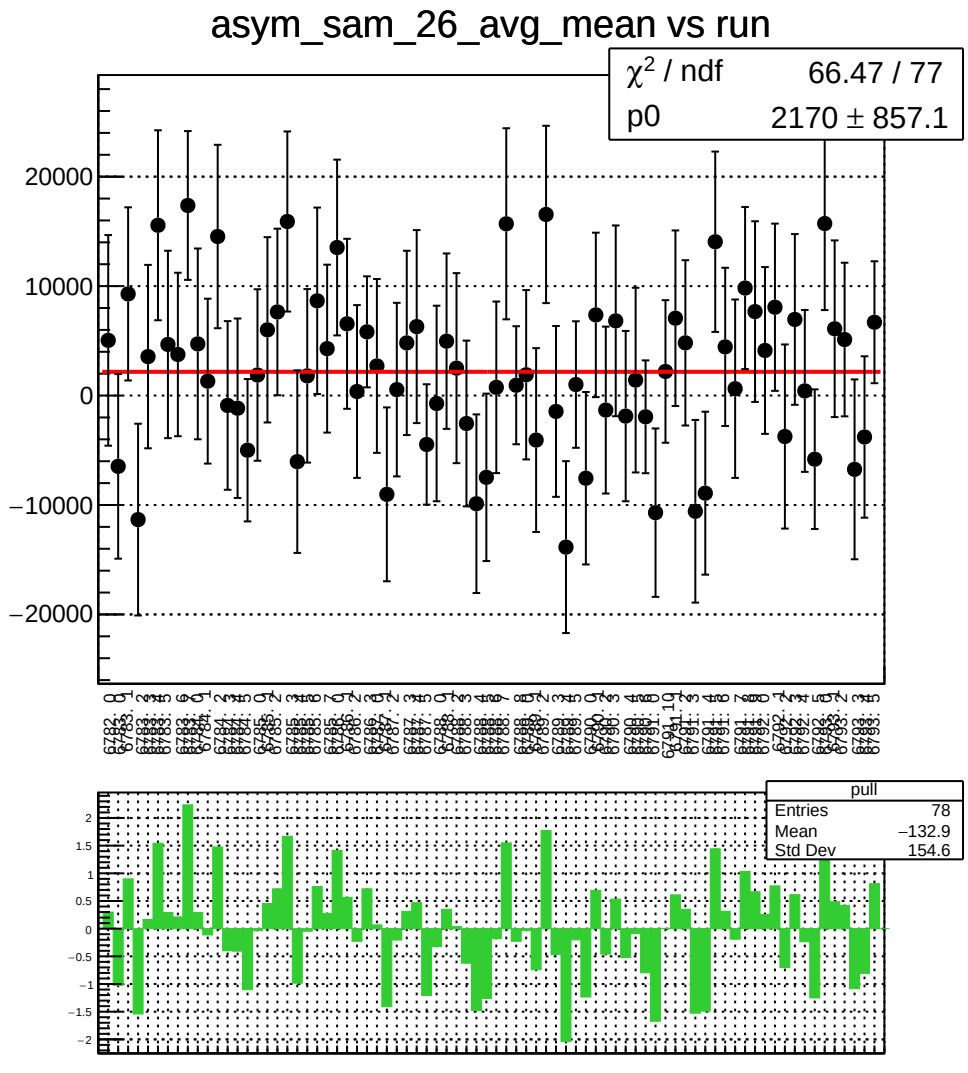

pull1D
Entries 78
Mean 0.0341
Std Dev 0.9206

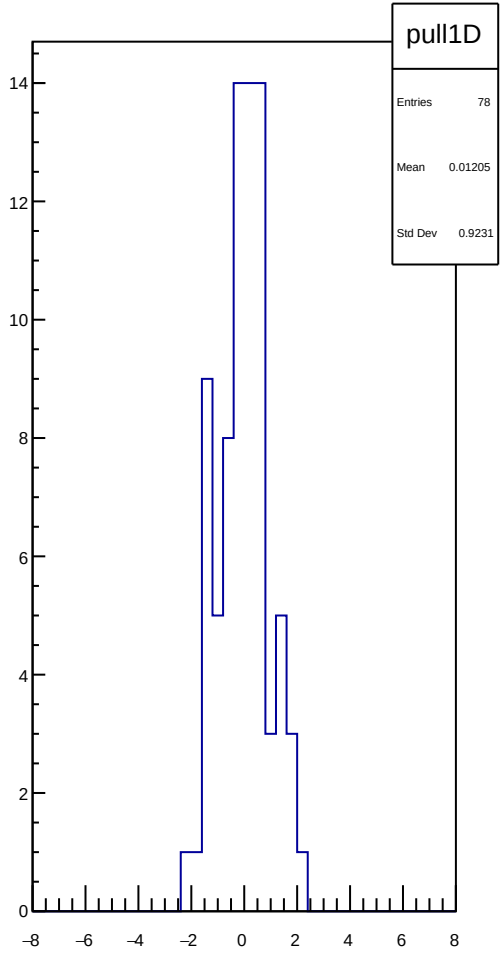

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 1.26e+04 / 77
p0 134.5 ± 0.1079
180
170
160
150
140
130
120

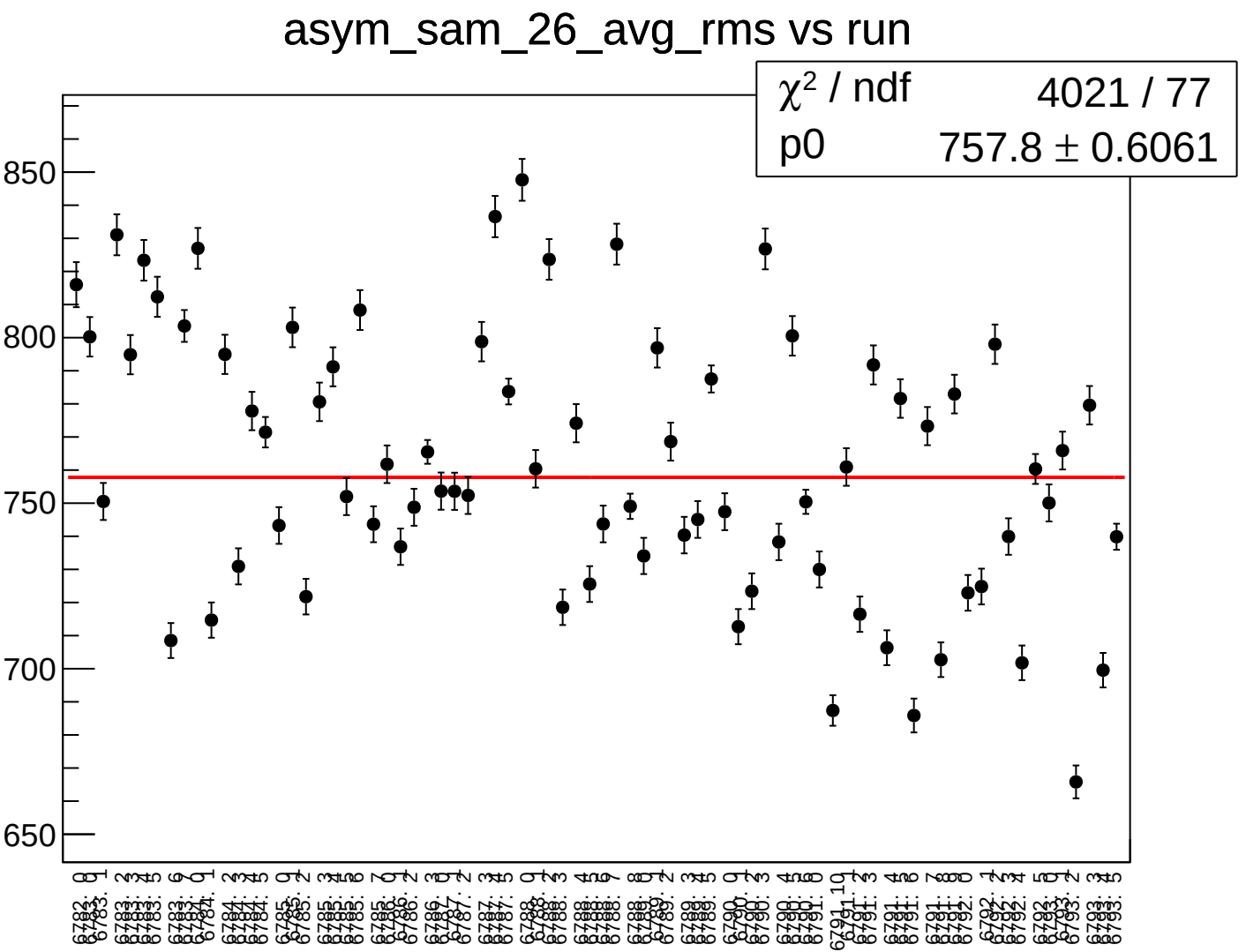

asym_sam_26_avg_correction_mean vs run
χ² / ndf 67.31 / 77
p0 −1820 ± 799.3
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −319.7
Std Dev 344.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

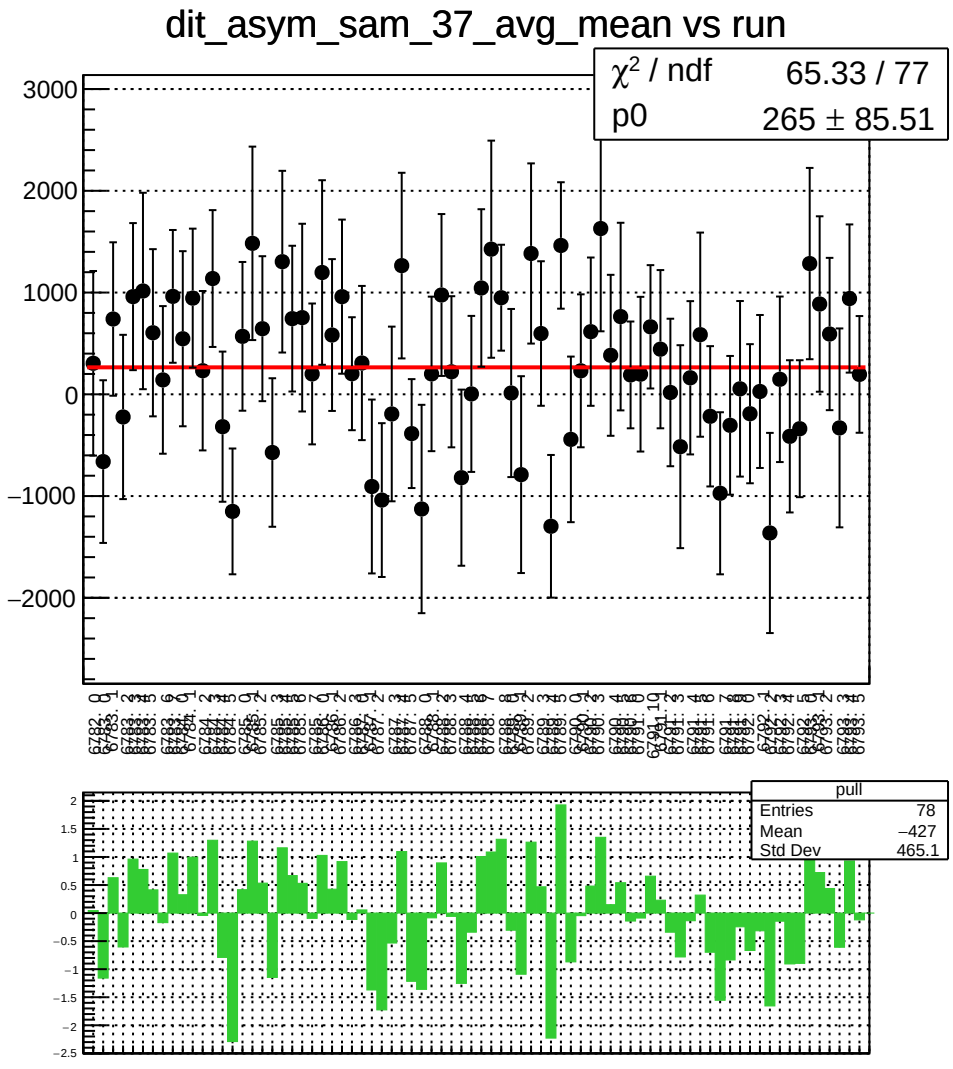

pull1D
Entries 78
Mean −0.005213
Std Dev 0.929
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

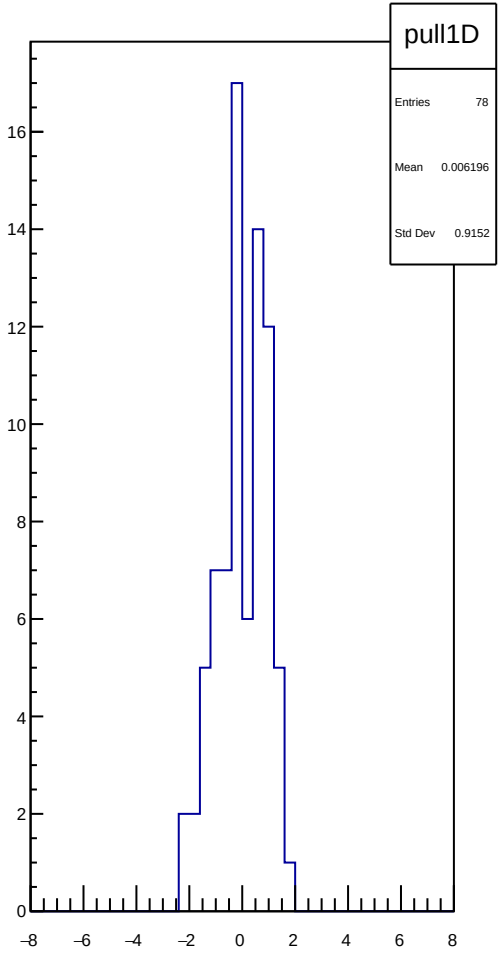

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1330 / 77
p0 707.3 ± 0.5652
780
760
740
720
700
680
660
640

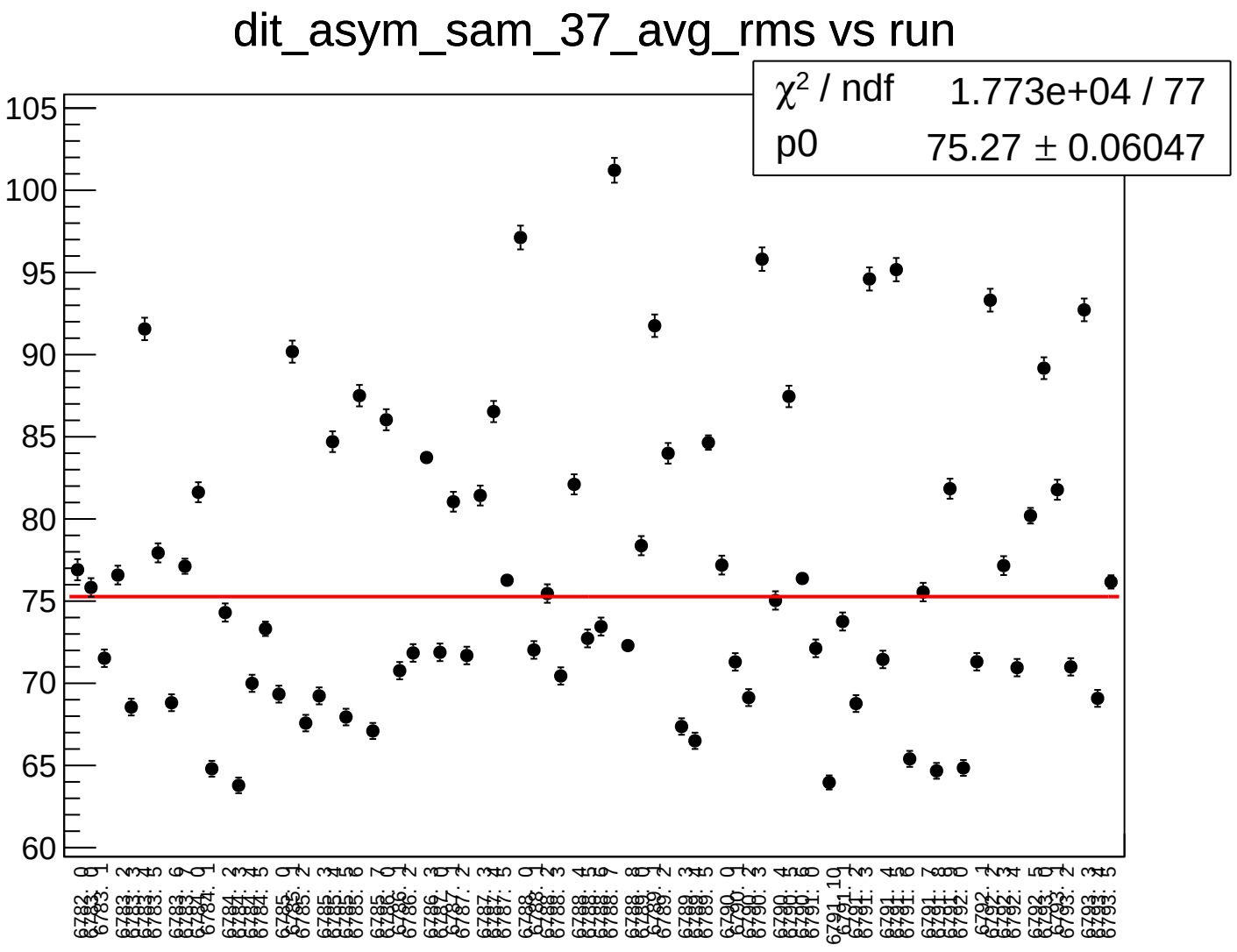

asym_sam_26_avg_mean vs run
χ² / ndf 66.47 / 77
p0 2170 ± 857.1
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −132.9
Std Dev 154.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

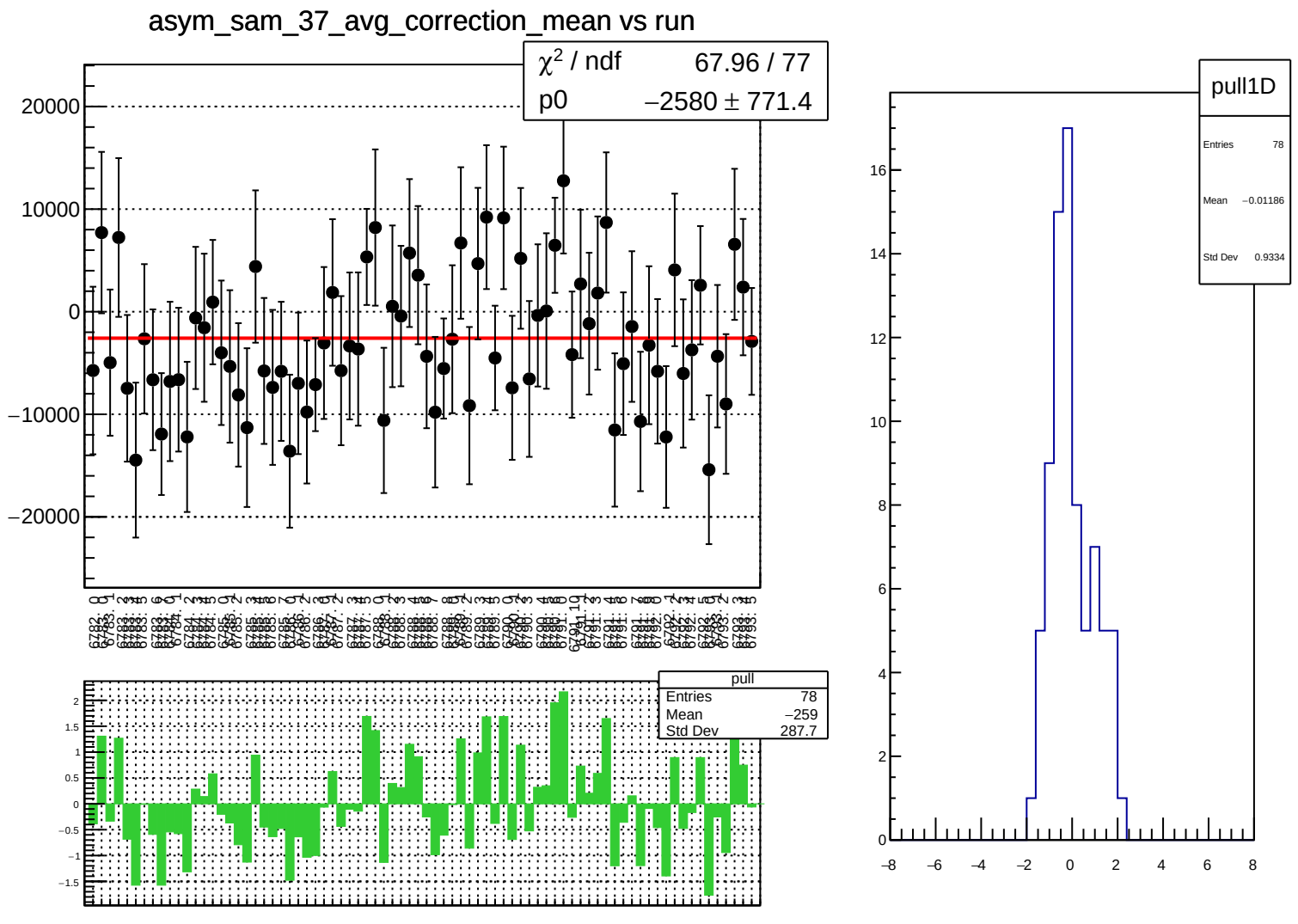

pull1D
Entries 78
Mean 0.01205
Std Dev 0.9231
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

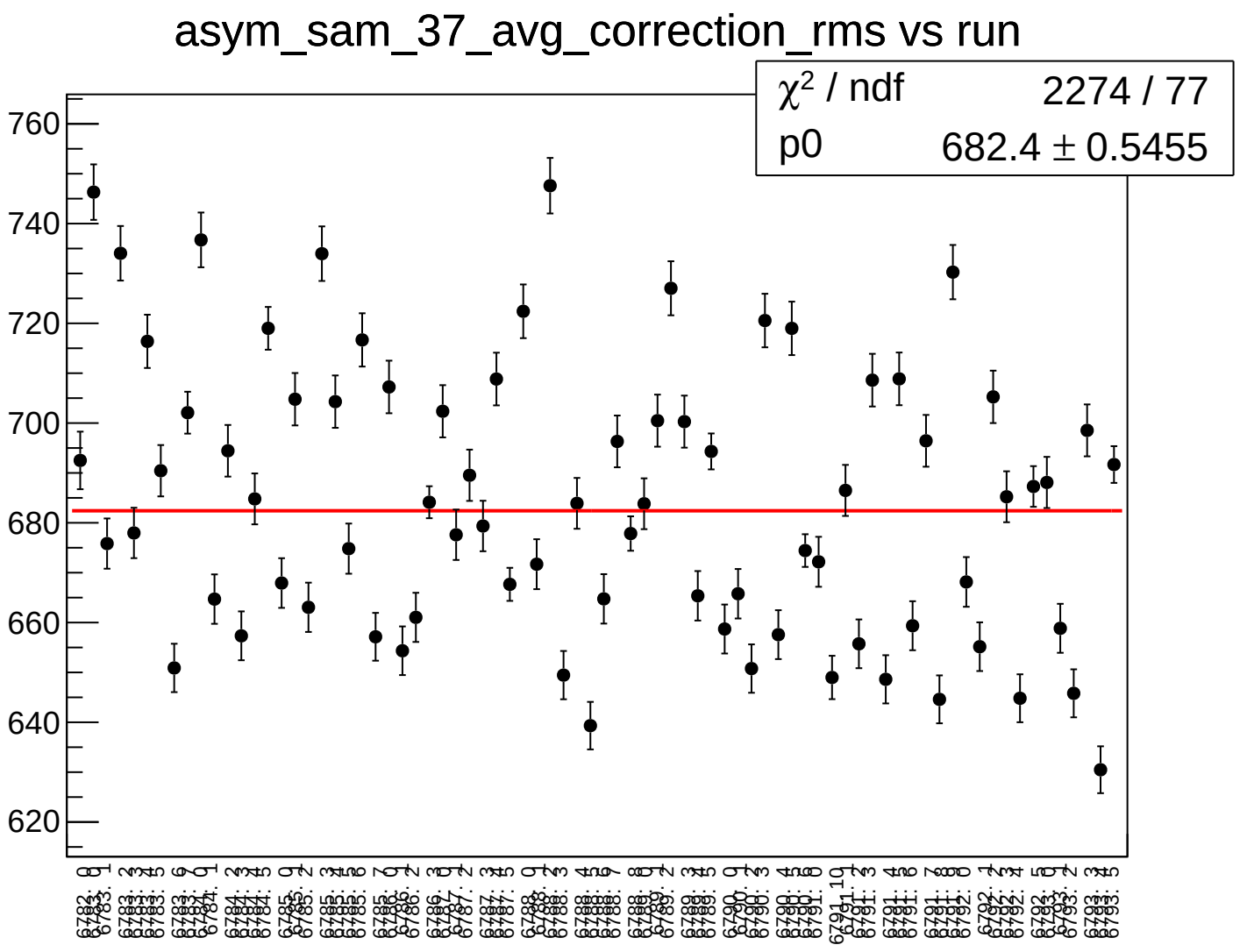

asym_sam_26_avg_rms vs run
χ² / ndf 4021 / 77
p0 757.8 ± 0.6061
850
800
750
700
650

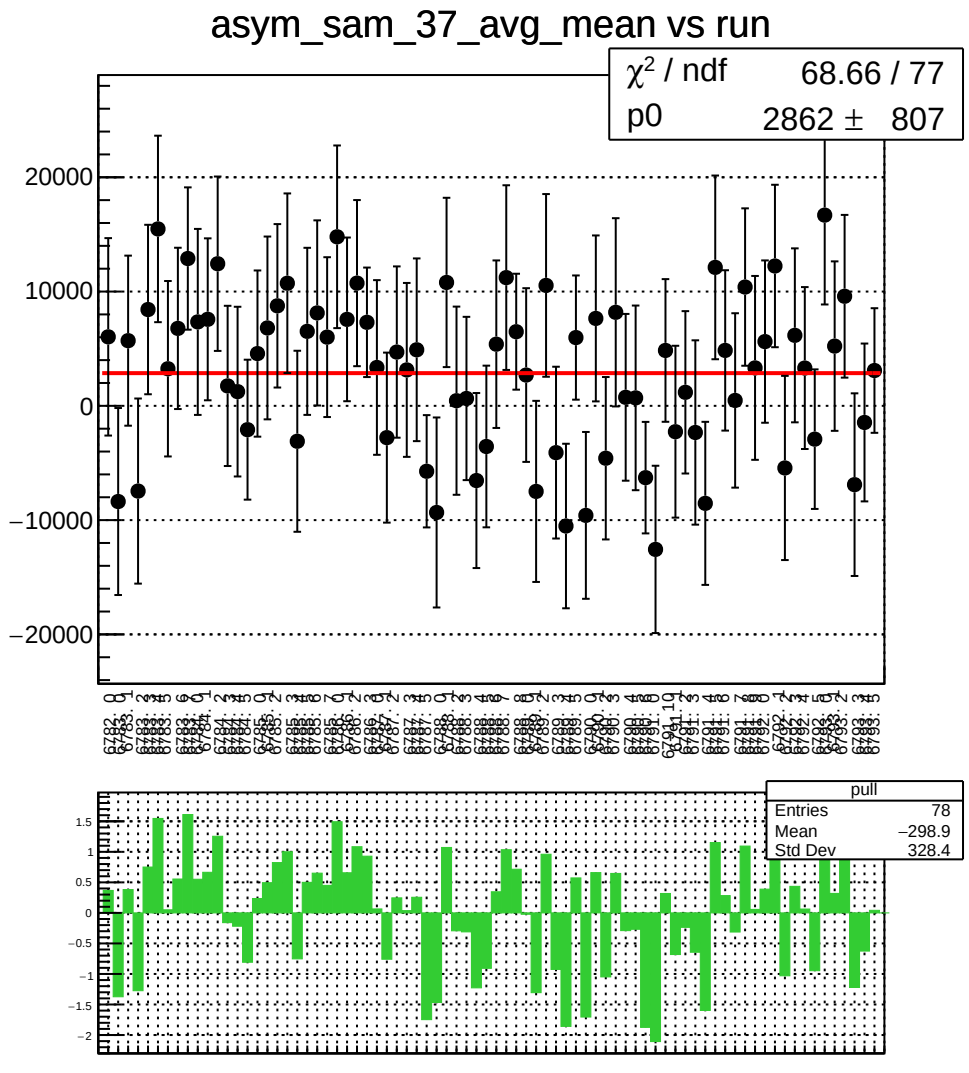

dit_asym_sam_37_avg_mean vs run
χ² / ndf 65.33 / 77
p0 265 ± 85.51
pull
Entries 78
Mean −427
Std Dev 465.1

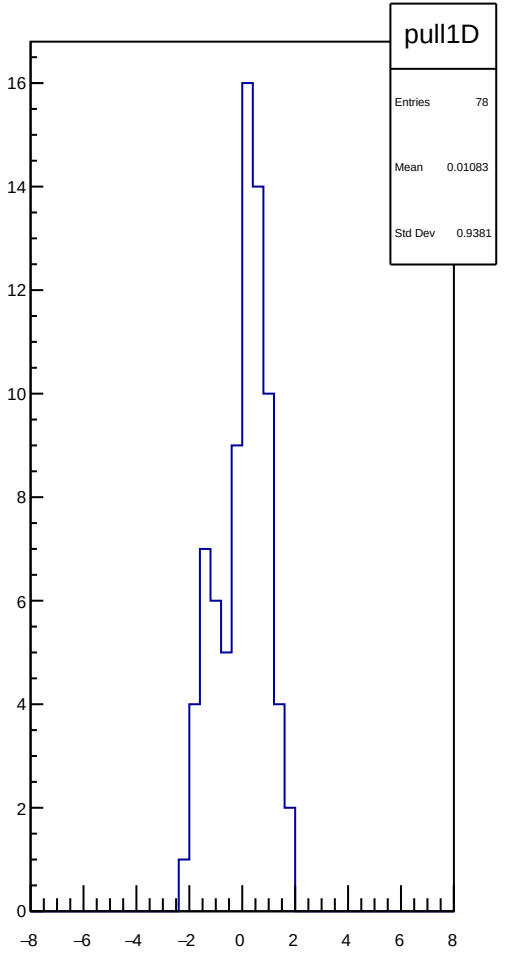

pull1D
Entries 78
Mean 0.006196
Std Dev 0.9152

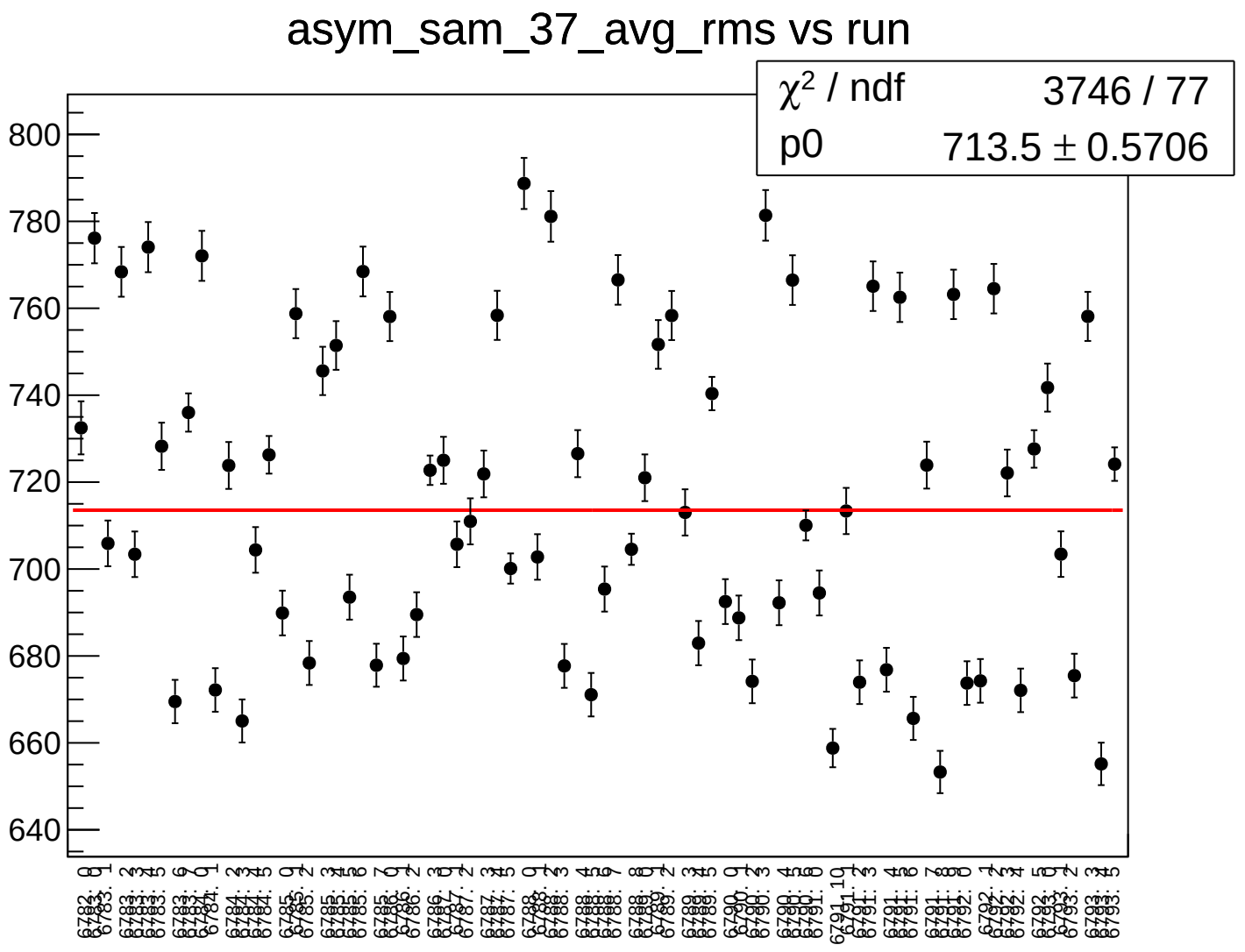

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 1.773e+04 / 77
p0 75.27 ± 0.06047
105
100
95
90
85
80
75
70
65
60

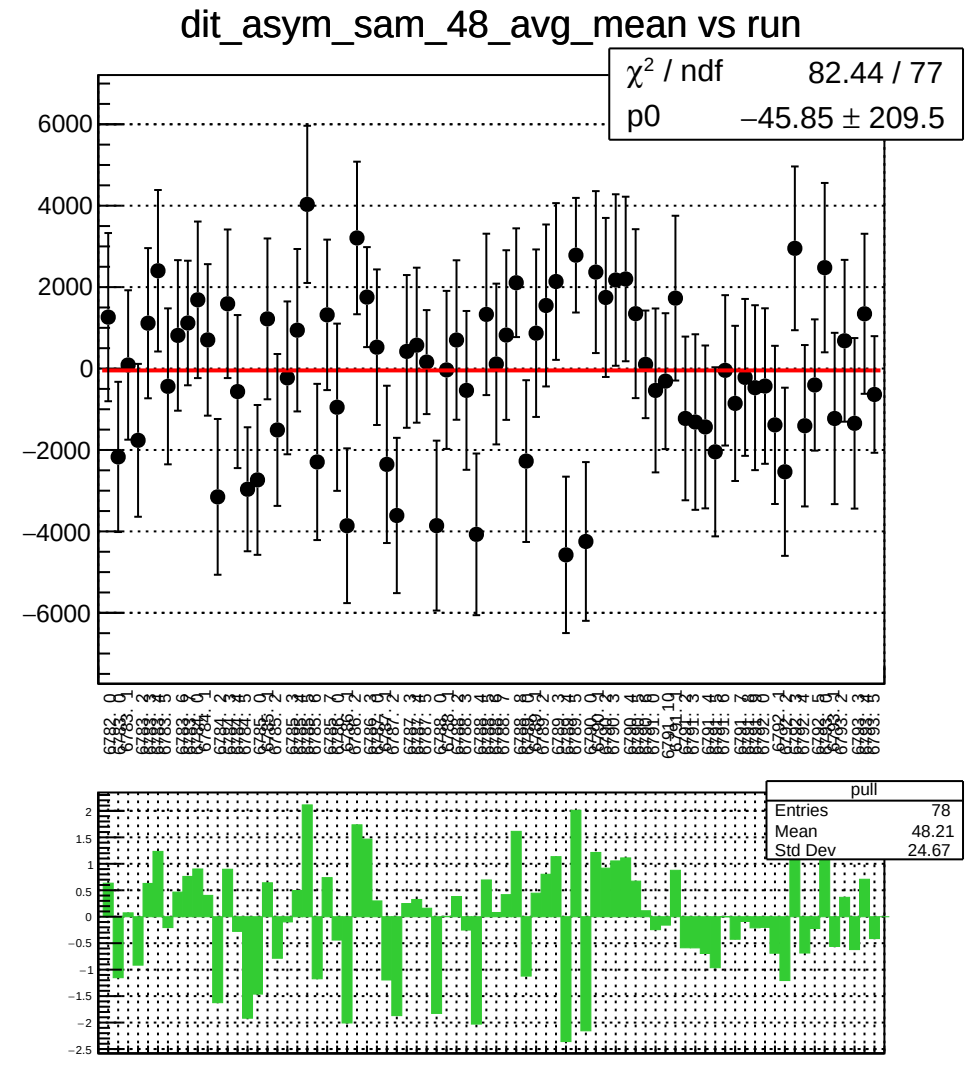

asym_sam_37_avg_correction_mean vs run
χ² / ndf 67.96 / 77
p0 −2580 ± 771.4
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −259
Std Dev 287.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.01186
Std Dev 0.9334
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

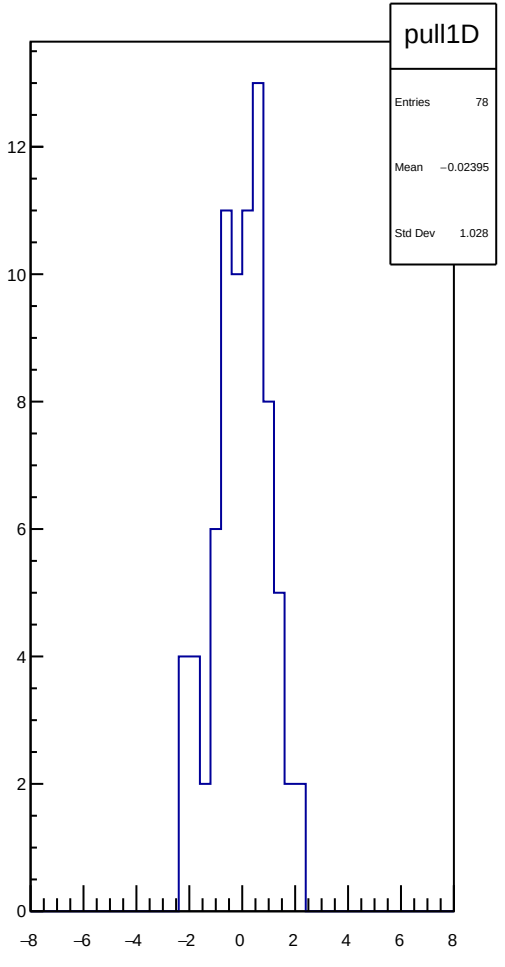

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2274 / 77
p0 682.4 ± 0.5455
760
740
720
700
680
660
640
620

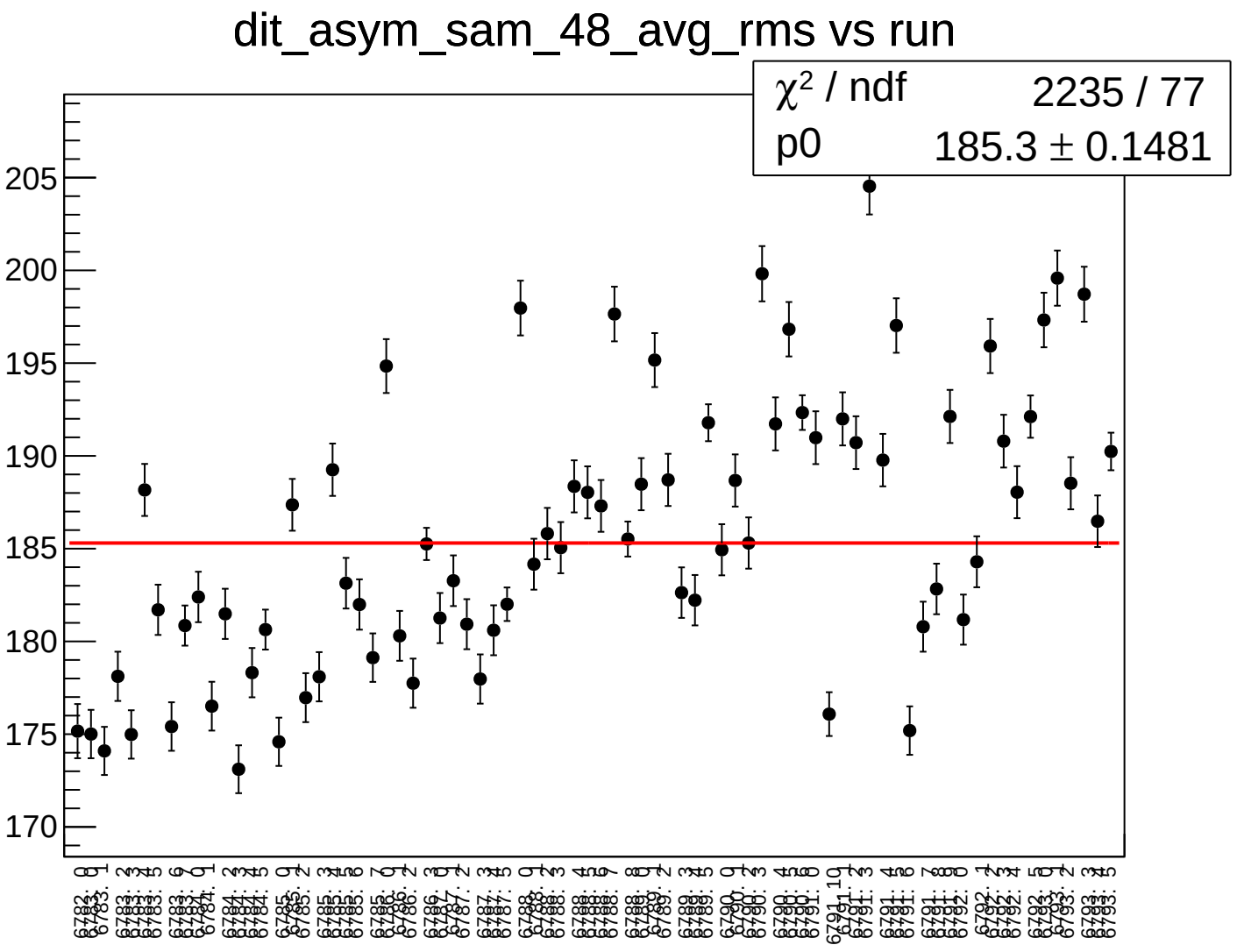

asym_sam_37_avg_mean vs run
χ² / ndf 68.66 / 77
p0 2862 ± 807
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −298.9
Std Dev 328.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

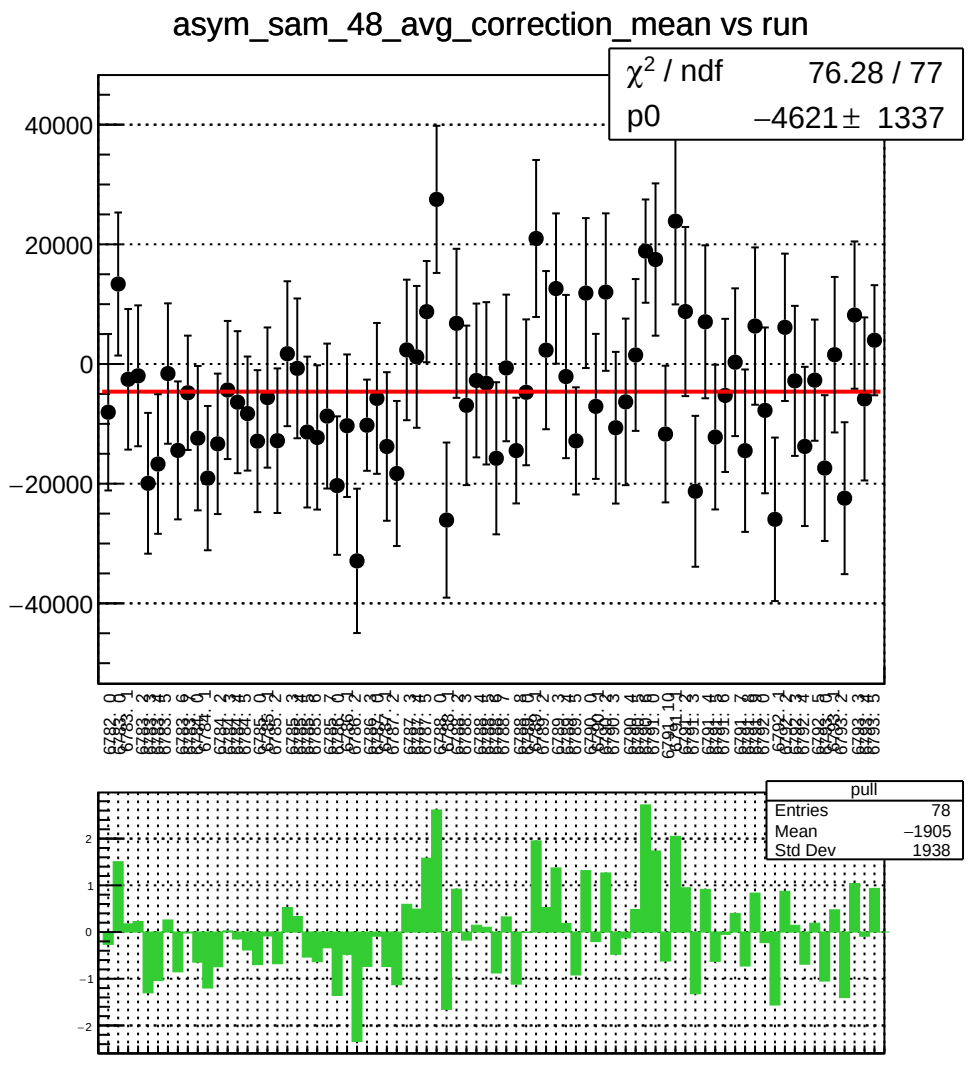

pull1D
Entries 78
Mean 0.01083
Std Dev 0.9381
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

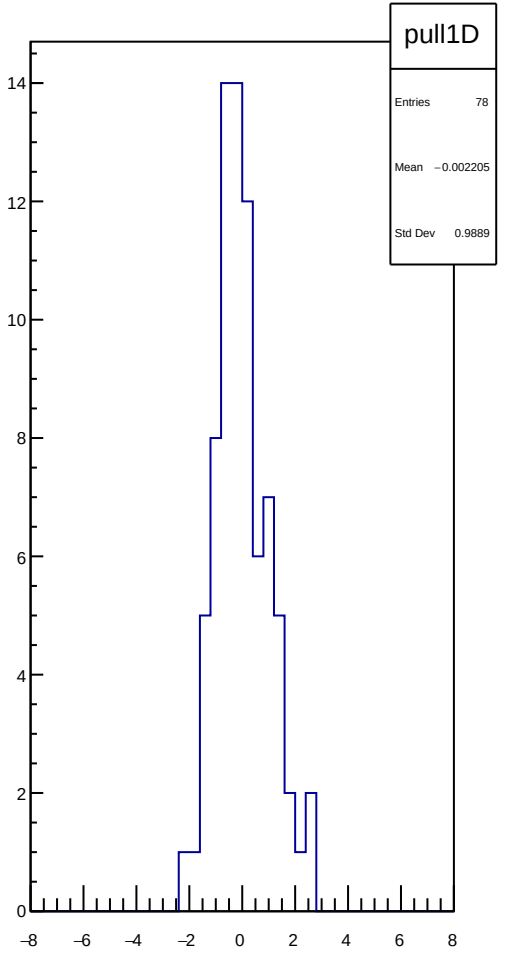

asym_sam_37_avg_rms vs run
χ² / ndf 3746 / 77
p0 713.5 ± 0.5706
800
780
760
740
720
700
680
660
640

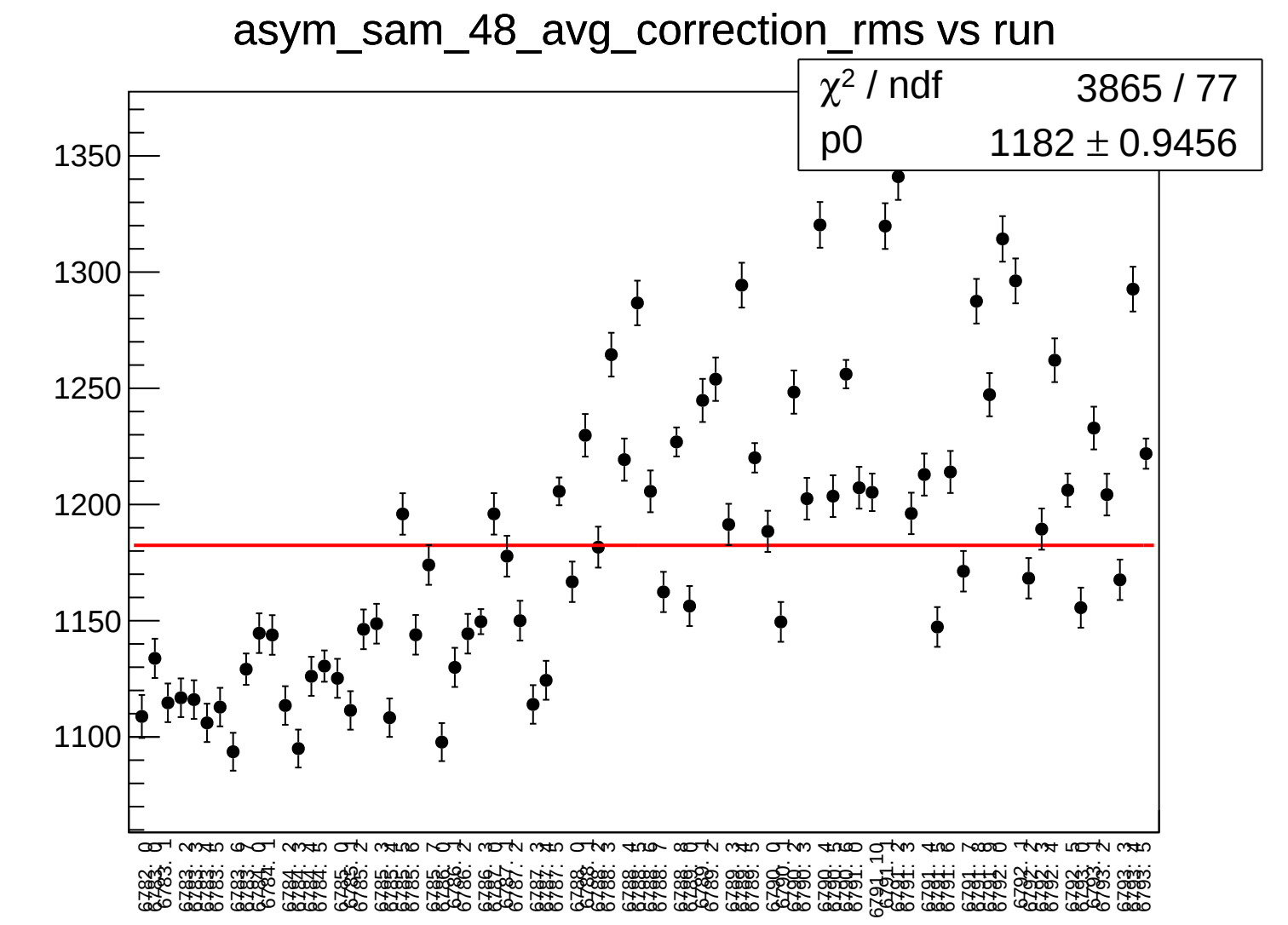

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.44 / 77
p0 −45.85 ± 209.5
pull
Entries 78
Mean 48.21
Std Dev 24.67

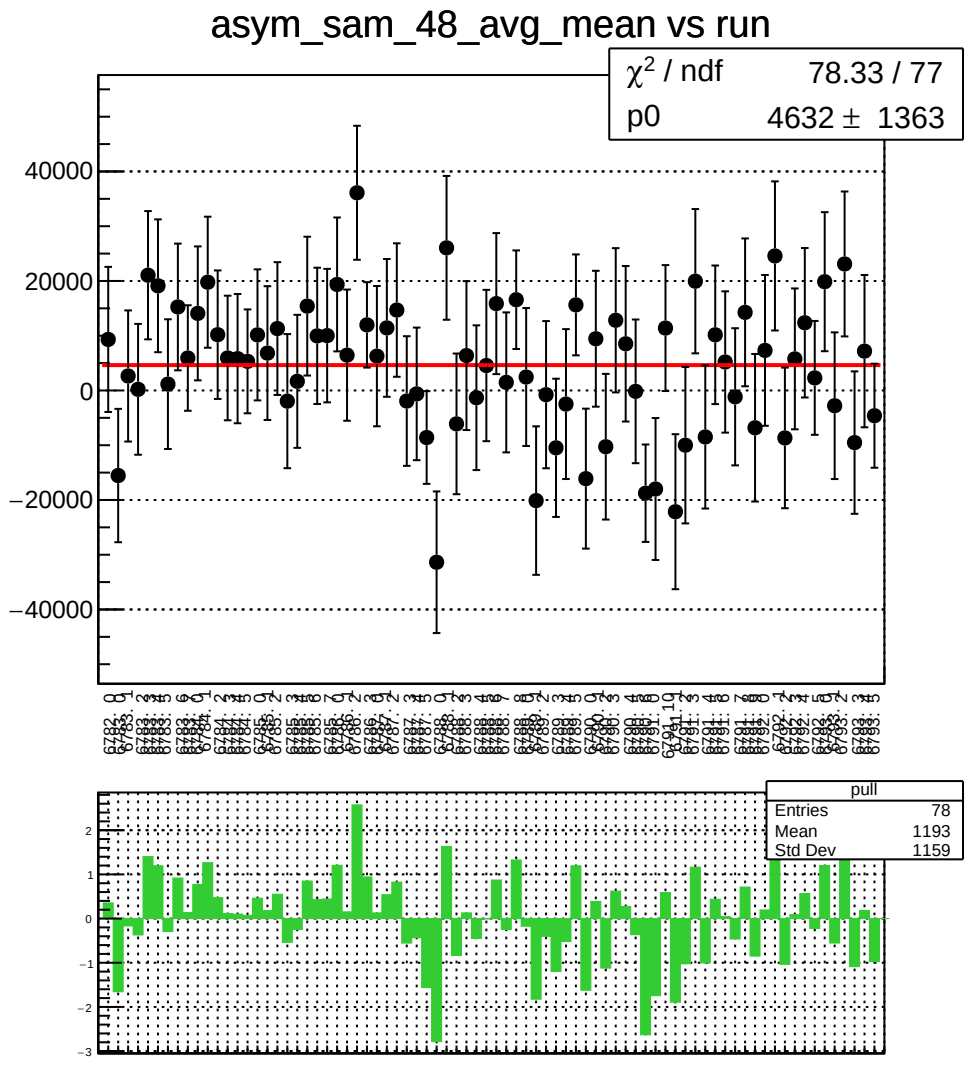

pull1D
Entries 78
Mean −0.02395
Std Dev 1.028

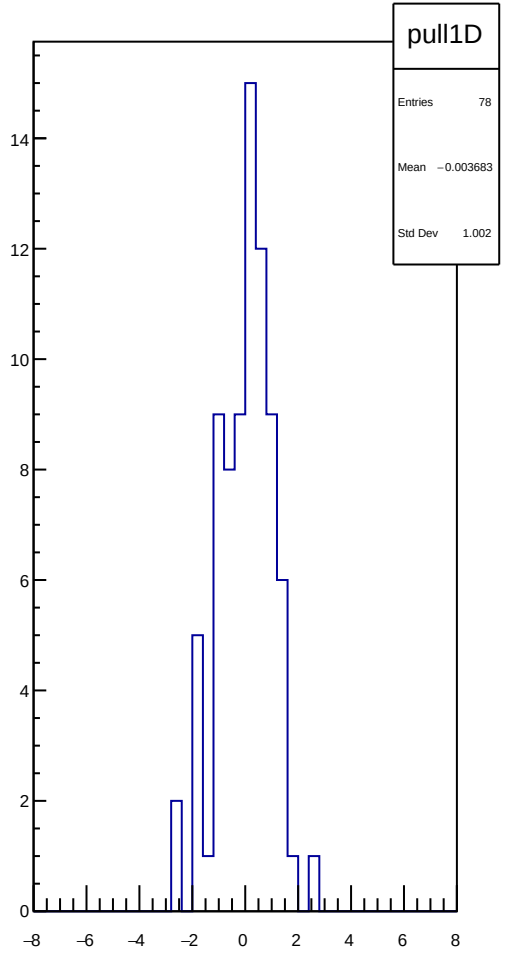

dit_asym_sam_48_avg_rms vs run
χ² / ndf 2235 / 77
p0 185.3 ± 0.1481
205
200
195
190
185
180
175
170

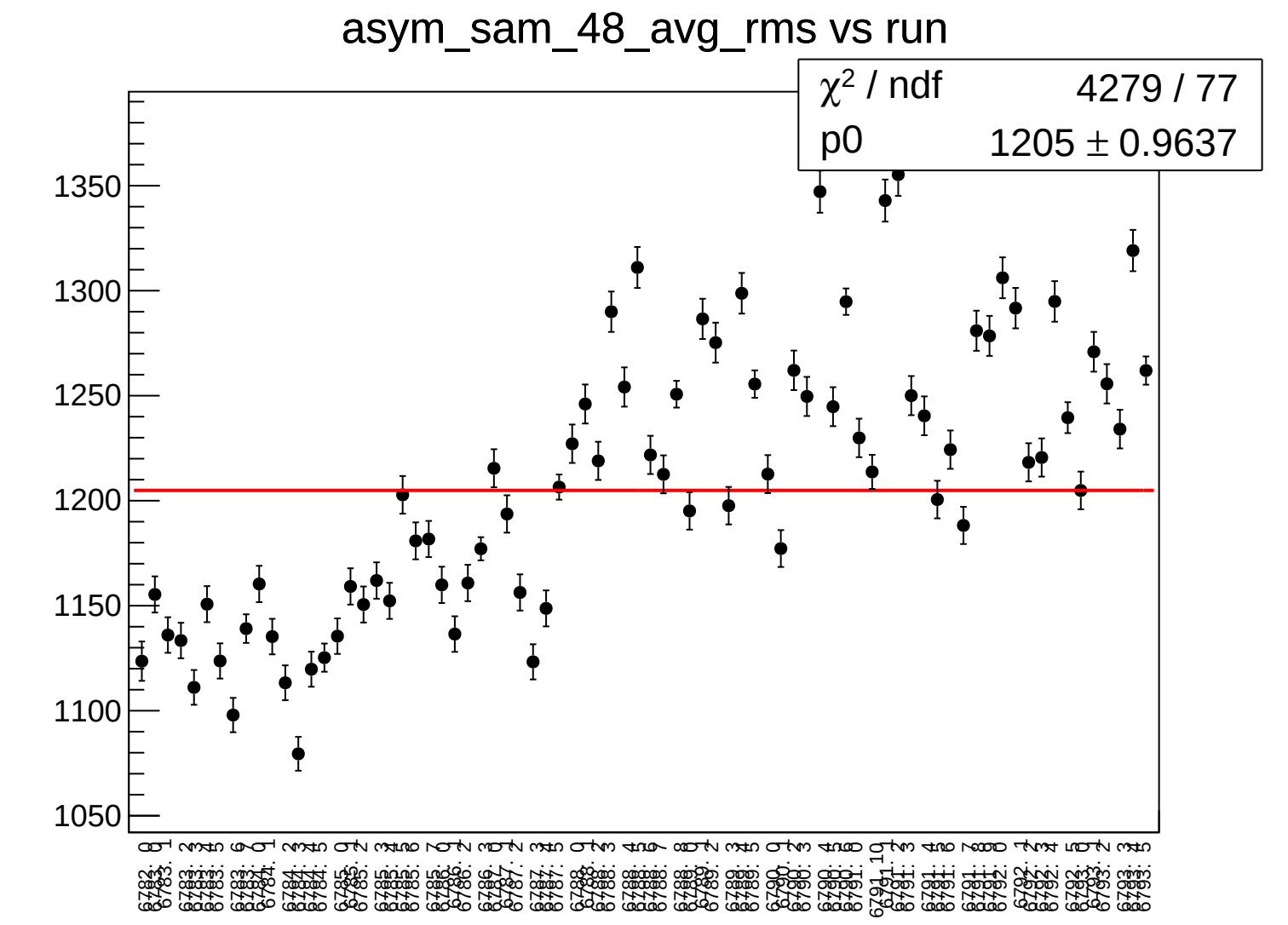

asym_sam_48_avg_correction_mean vs run
χ² / ndf 76.28 / 77
p0 −4621 ± 1337
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −1905
Std Dev 1938
2
1
0
−1
−2

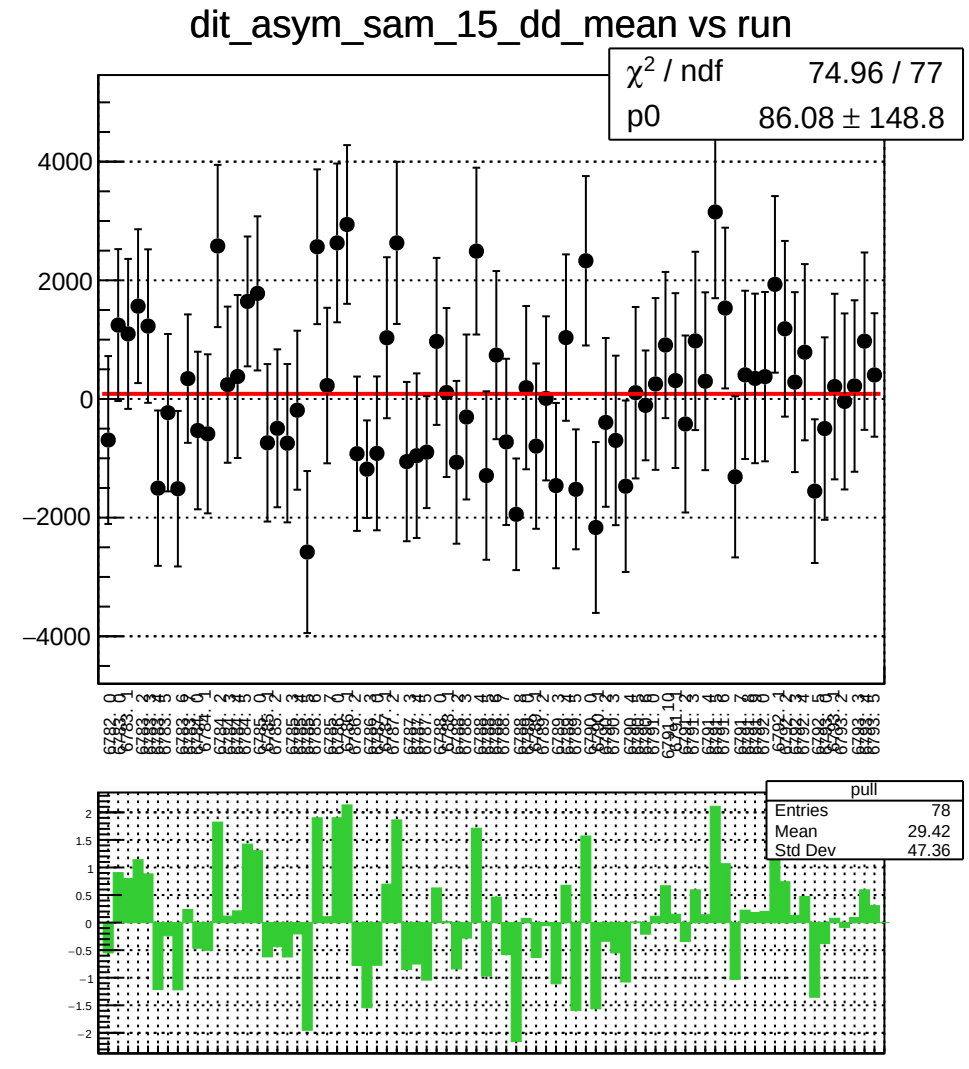

pull1D
Entries 78
Mean −0.002205
Std Dev 0.9889
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

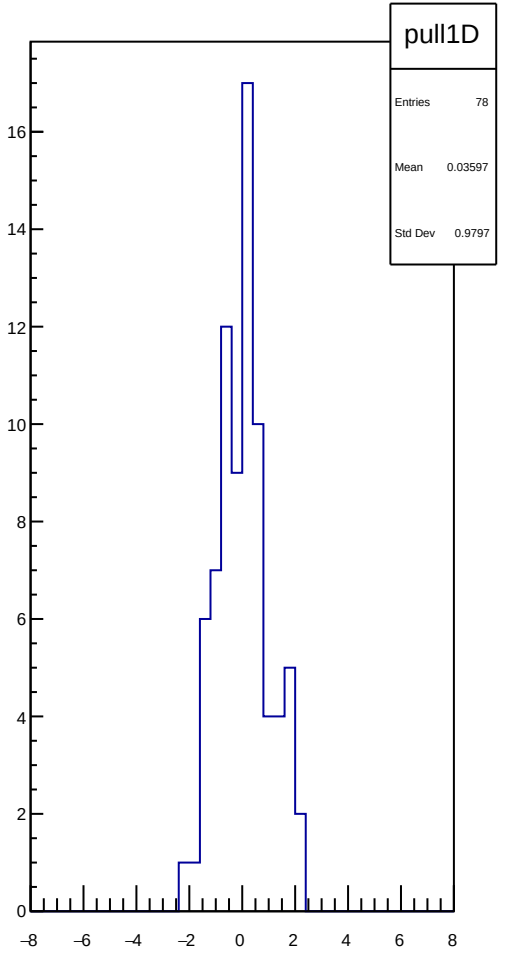

asym_sam_48_avg_correction_rms vs run
χ² / ndf 3865 / 77
p0 1182 ± 0.9456
1350
1300
1250
1200
1150
1100

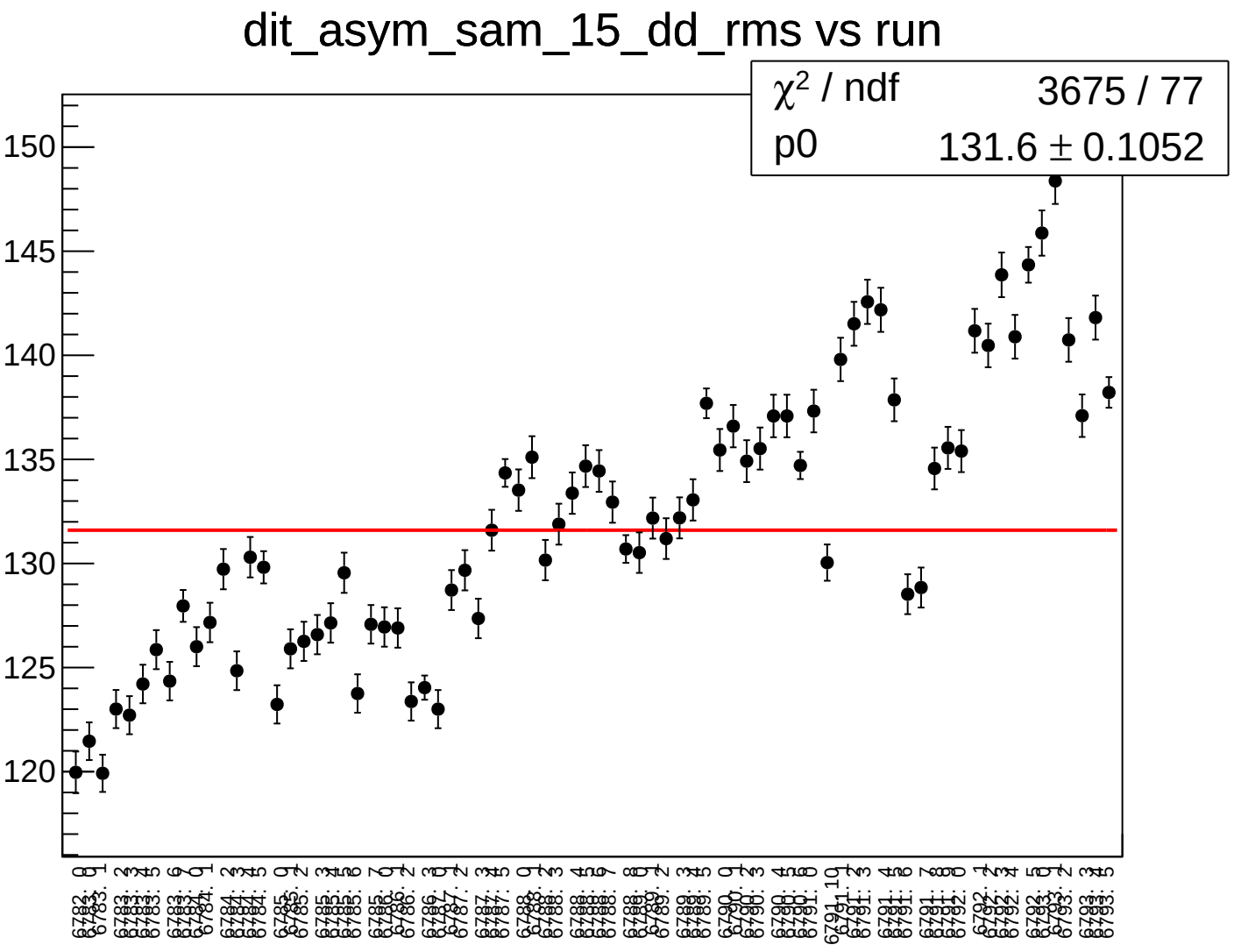

asym_sam_48_avg_mean vs run
χ² / ndf 78.33 / 77
p0 4632 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1193
Std Dev 1159
2
1
0
−1
−2
−3

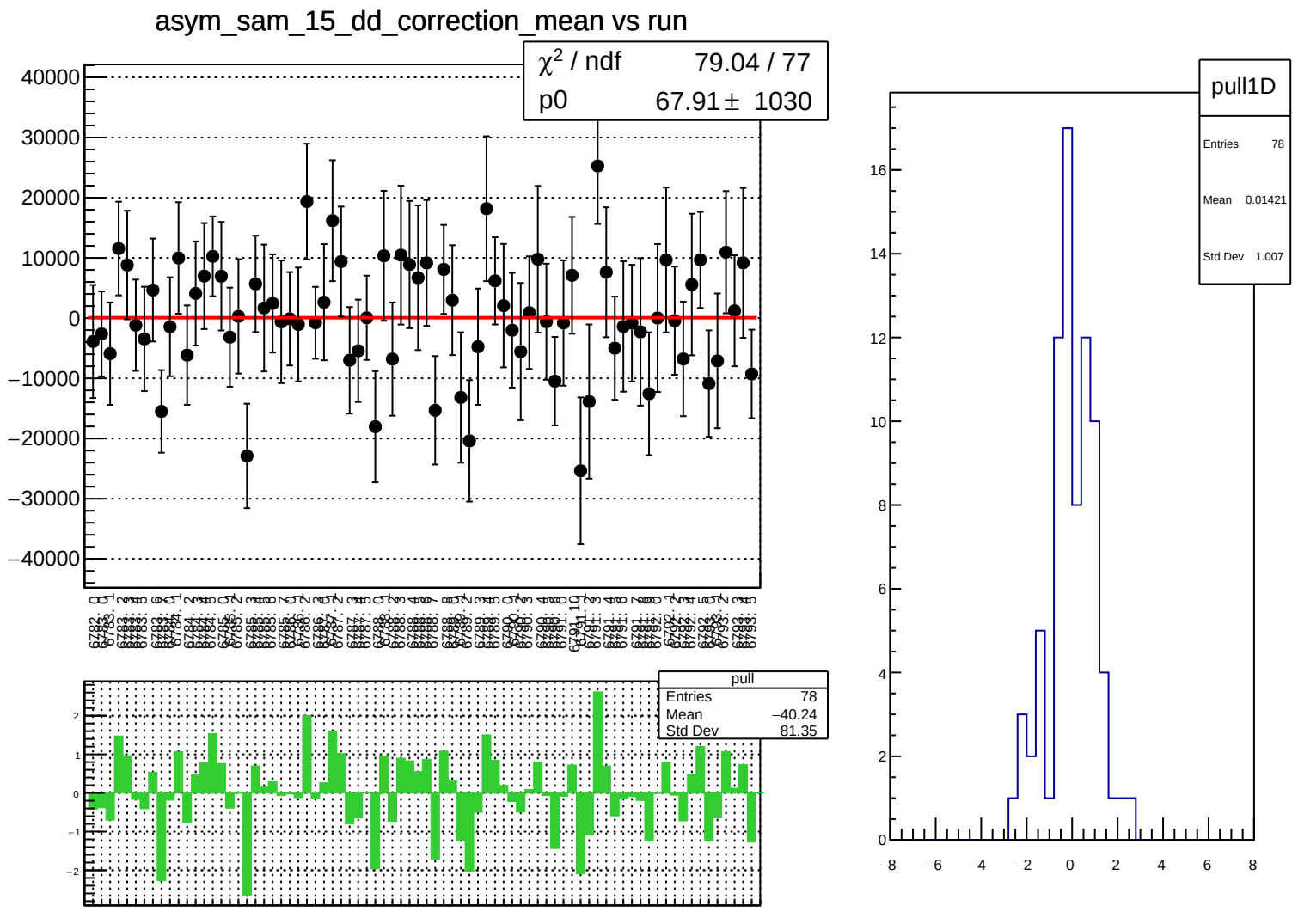

pull1D
Entries 78
Mean −0.003683
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

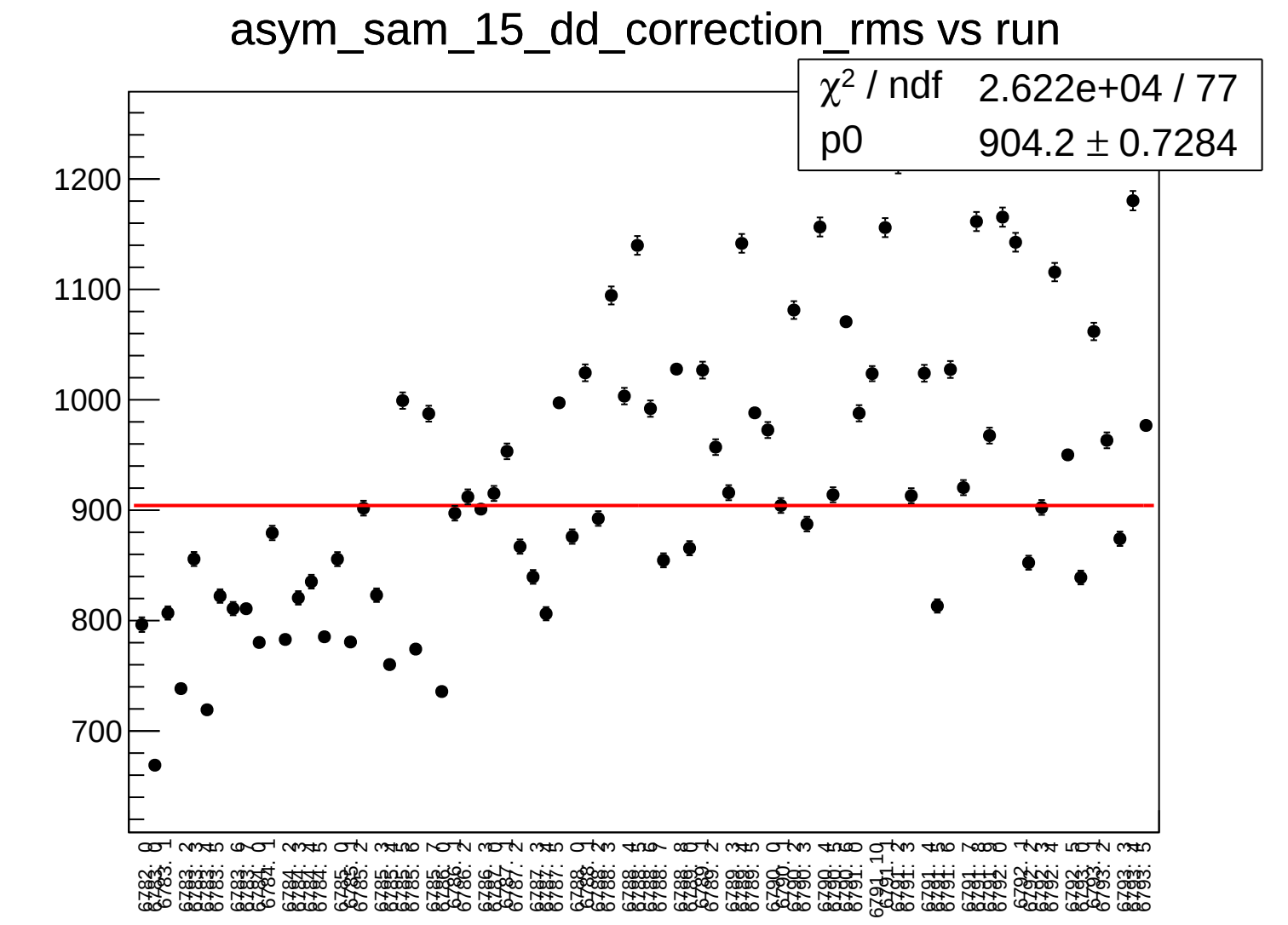

asym_sam_48_avg_rms vs run
χ² / ndf 4279 / 77
p0 1205 ± 0.9637
1350
1300
1250
1200
1150
1100
1050

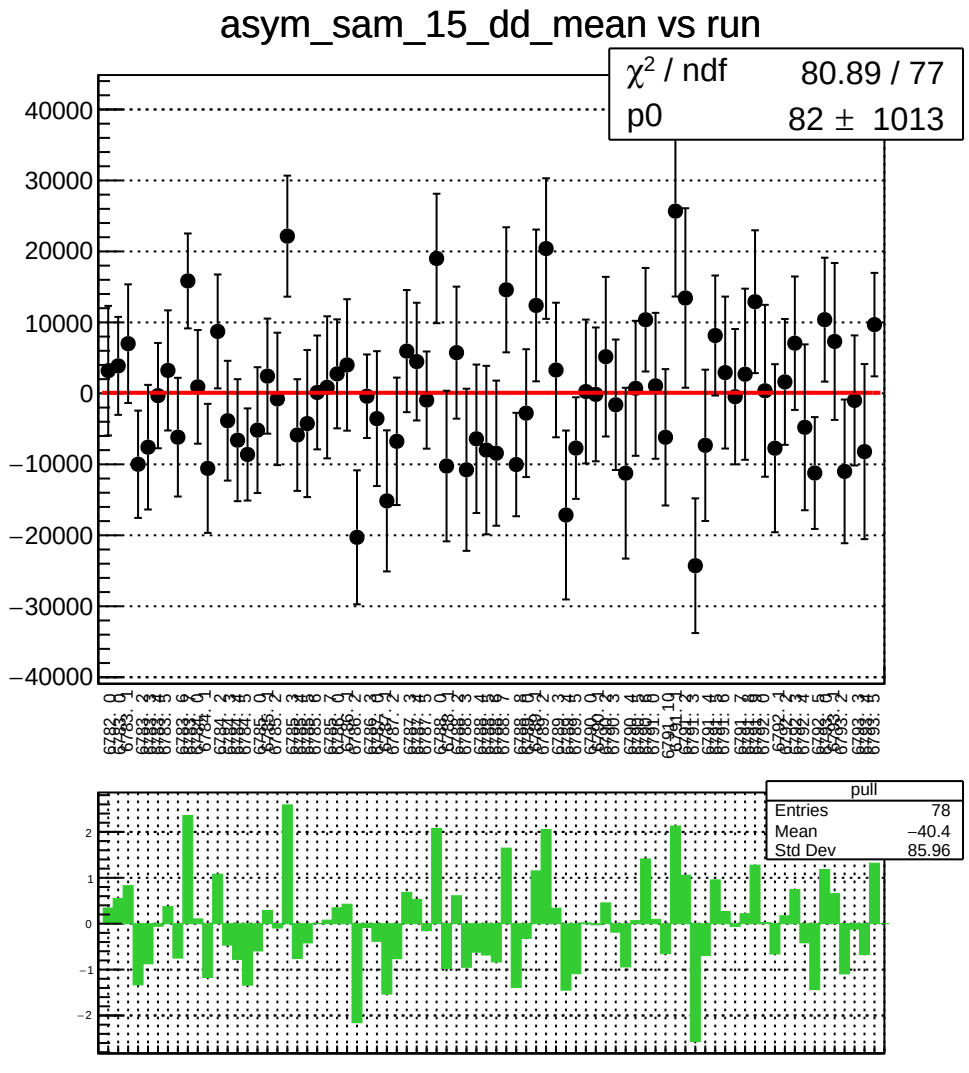

dit_asym_sam_15_dd_mean vs run
χ² / ndf 74.96 / 77
p0 86.08 ± 148.8
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 29.42
Std Dev 47.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

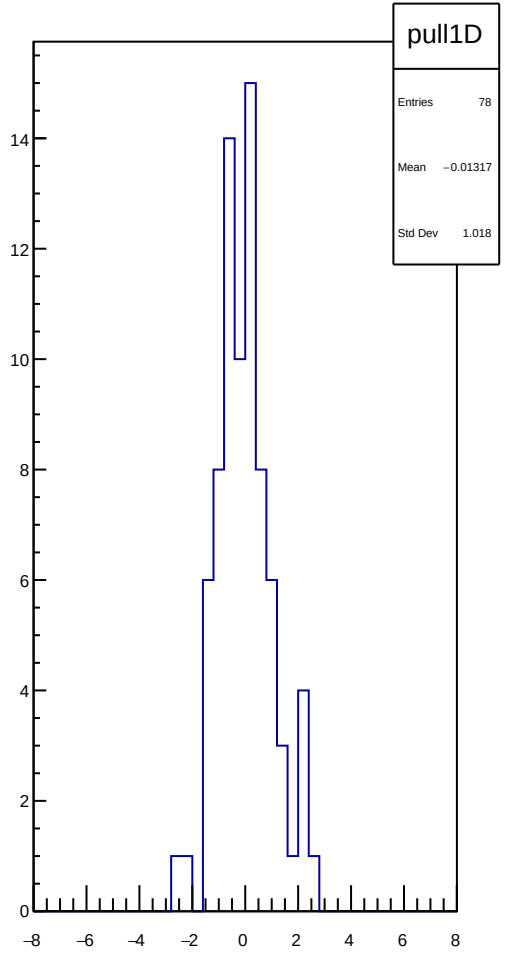

pull1D
Entries 78
Mean 0.03597
Std Dev 0.9797
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

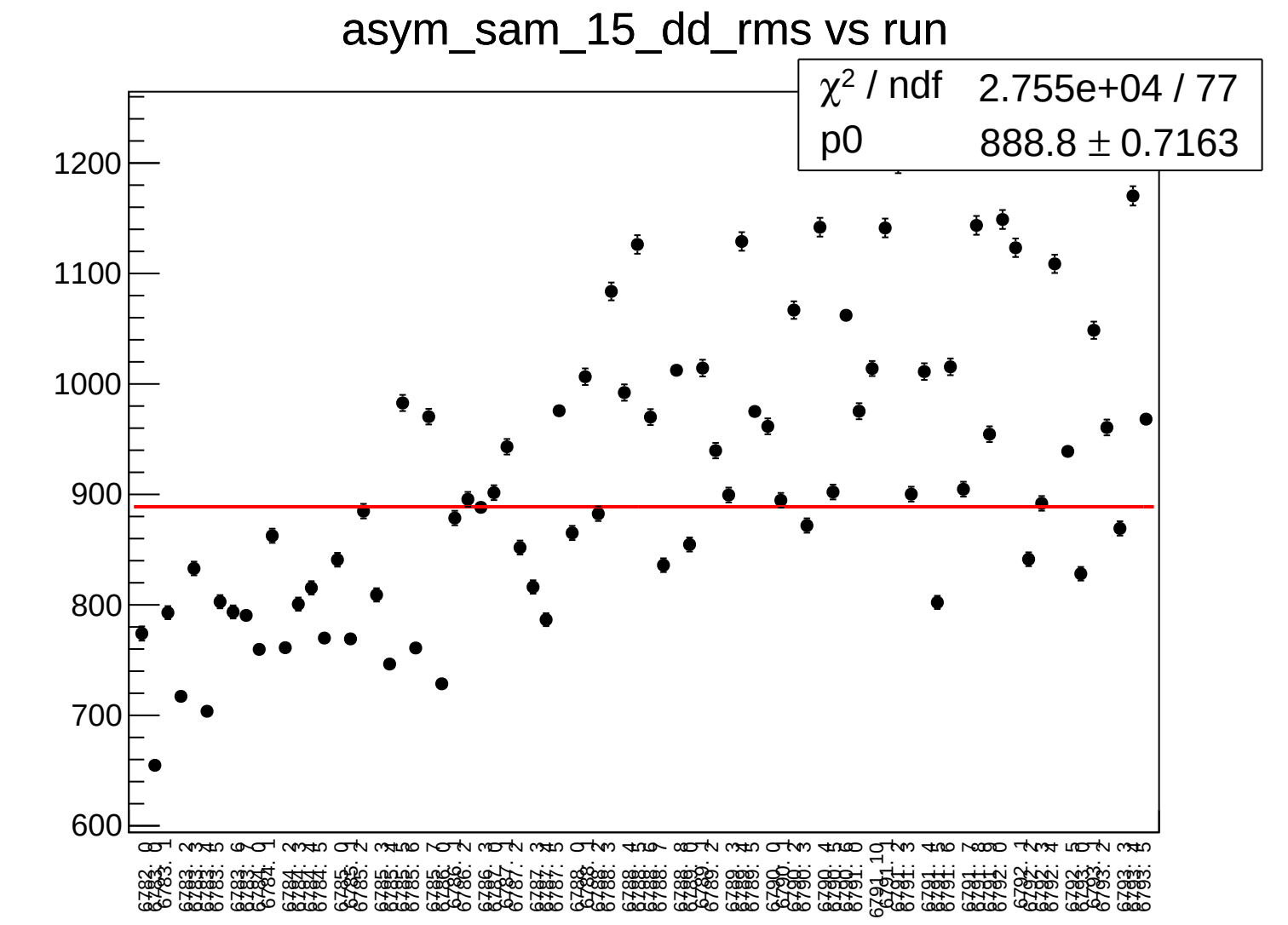

dit_asym_sam_15_dd_rms vs run
χ² / ndf 3675 / 77
p0 131.6 ± 0.1052
150
145
140
135
130
125
120

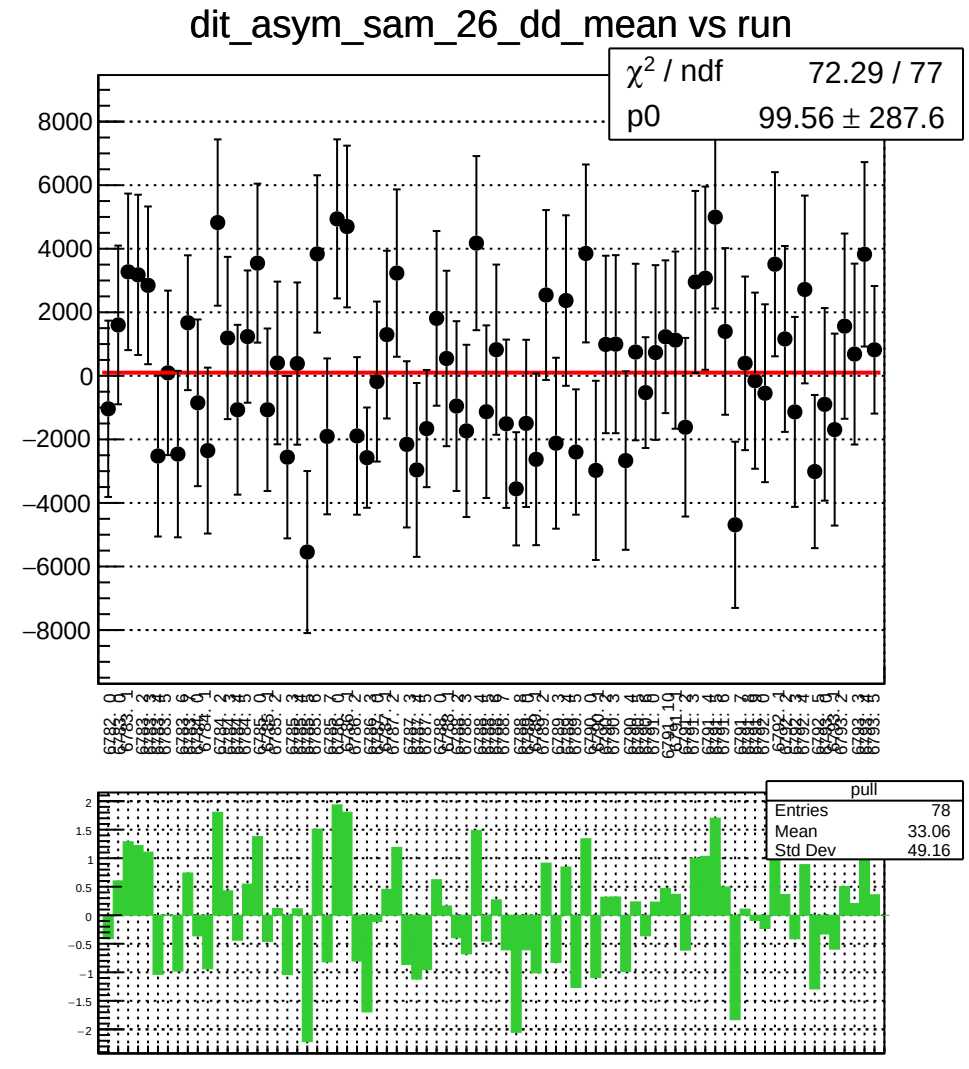

asym_sam_15_dd_correction_mean vs run
χ² / ndf 79.04 / 77
p0 67.91 ± 1030
pull
Entries 78
Mean −40.24
Std Dev 81.35
pull1D
Entries 78
Mean 0.01421
Std Dev 1.007

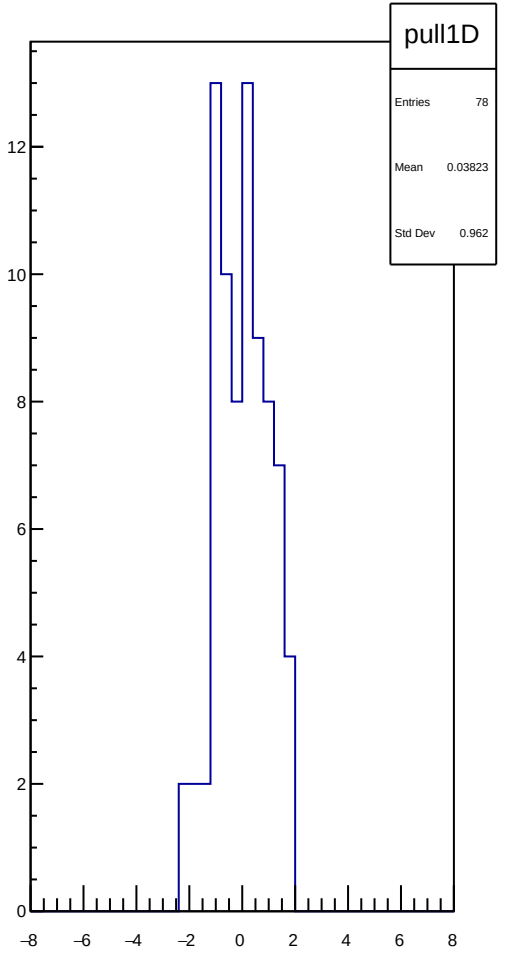

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2.622e+04 / 77
p0 904.2 ± 0.7284
1200
1100
1000
900
800
700

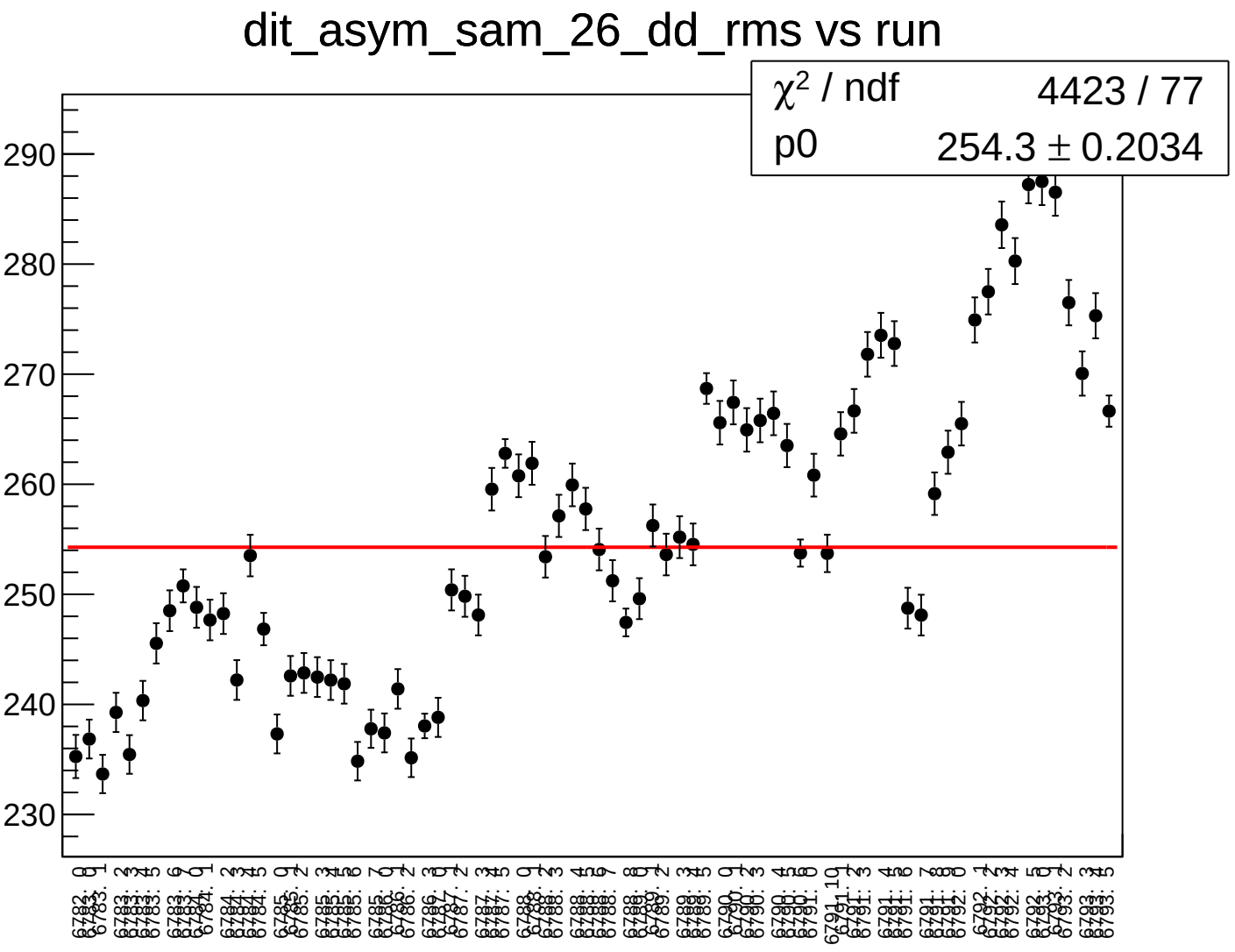

asym_sam_15_dd_mean vs run
χ² / ndf 80.89 / 77
p0 82 ± 1013
pull
Entries 78
Mean −40.4
Std Dev 85.96

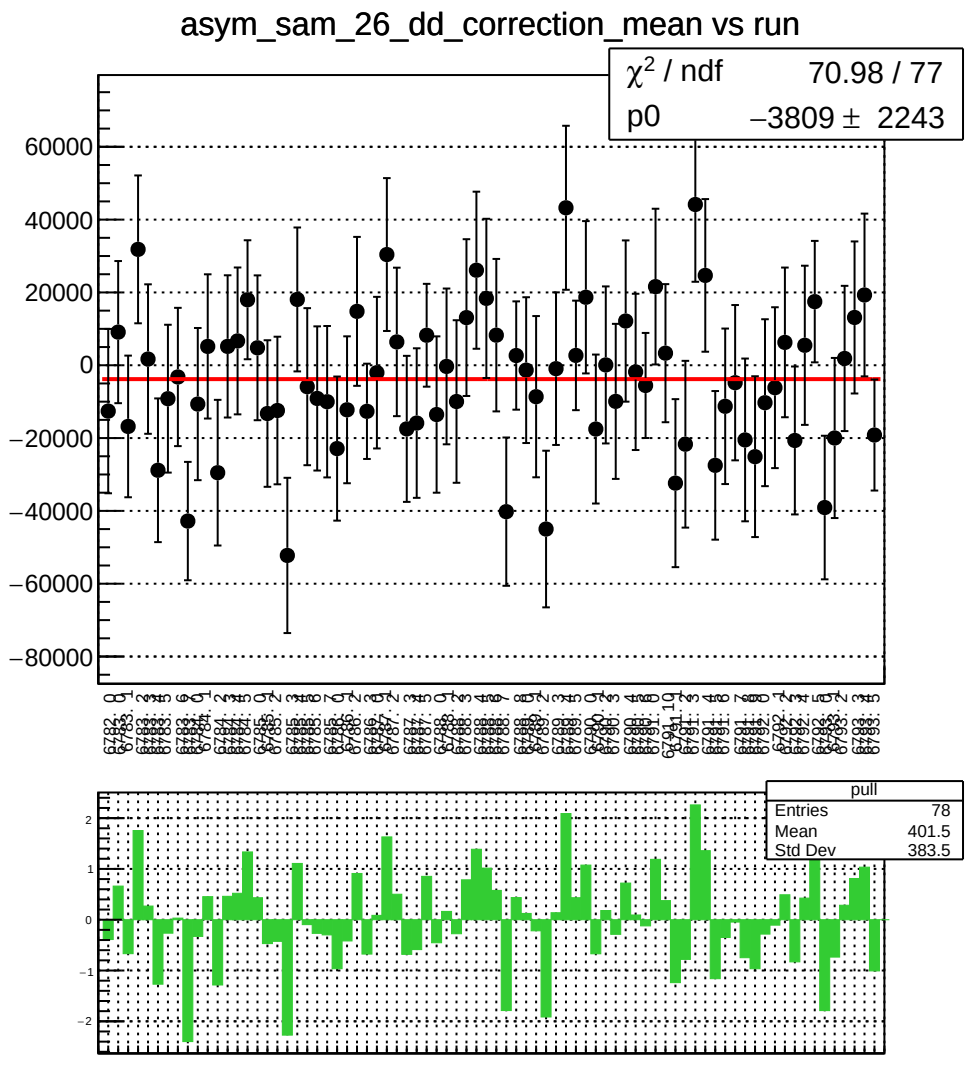

pull1D
Entries 78
Mean −0.01317
Std Dev 1.018

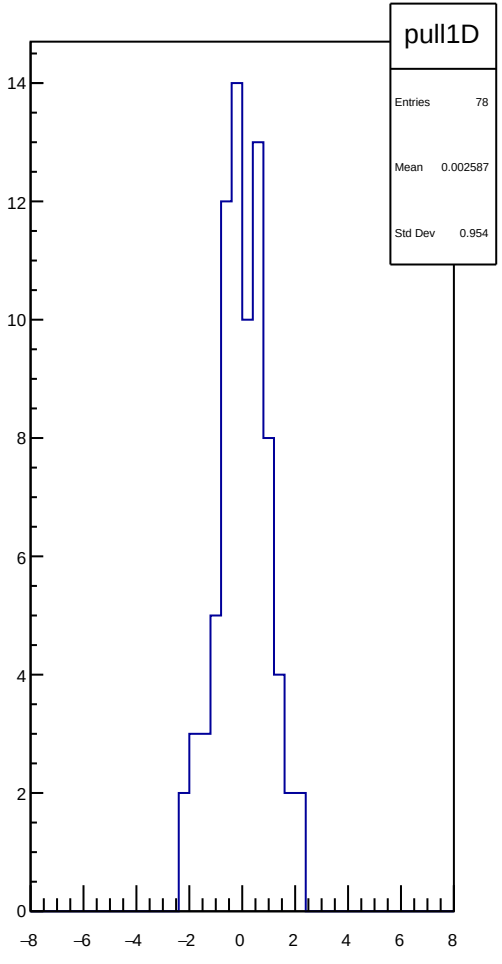

asym_sam_15_dd_rms vs run
χ^2 / ndf 2.755e+04 / 77
p0 888.8 ± 0.7163
1200
1100
1000
900
800
700
600

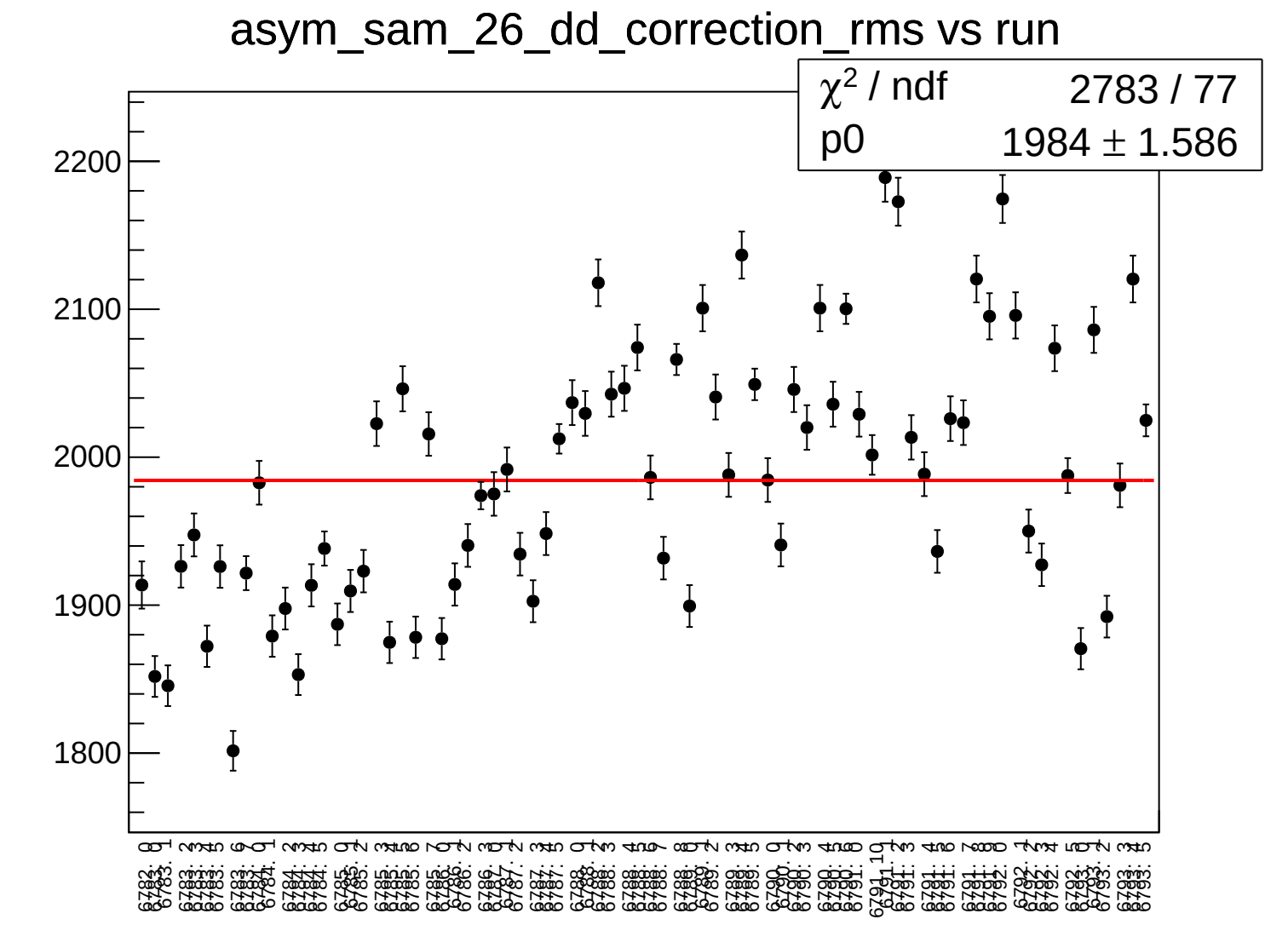

dit_asym_sam_26_dd_mean vs run
χ² / ndf 72.29 / 77
p0 99.56 ± 287.6
pull
Entries 78
Mean 33.06
Std Dev 49.16

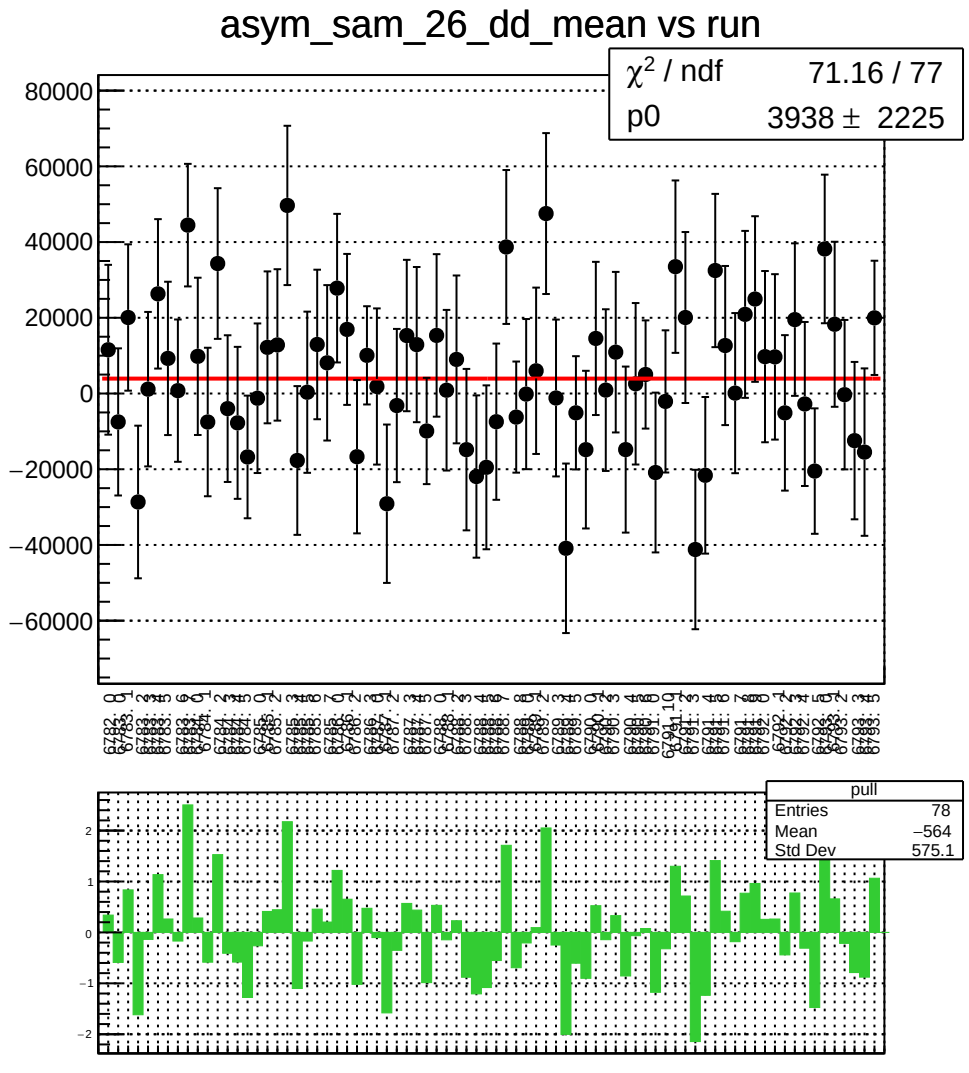

pull1D
Entries 78
Mean 0.03823
Std Dev 0.962

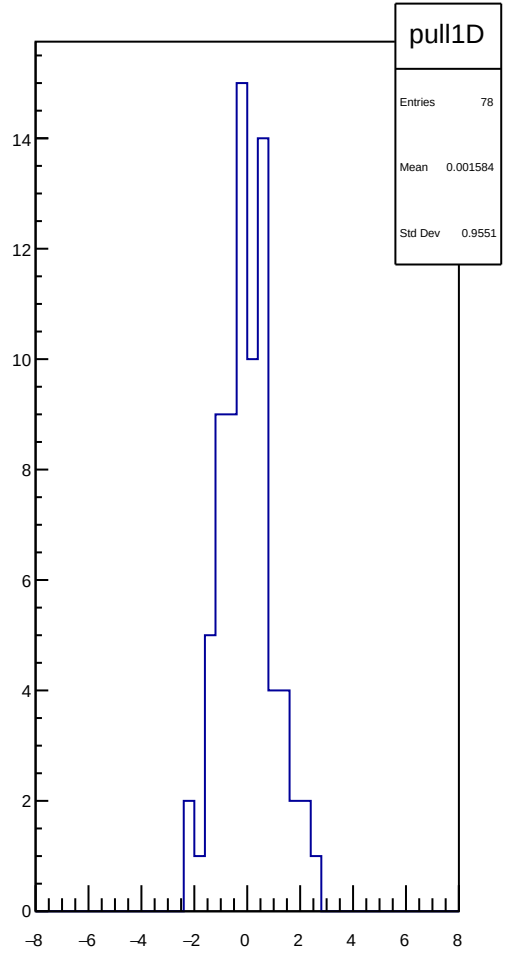

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4423 / 77
p0 254.3 ± 0.2034
290
280
270
260
250
240
230

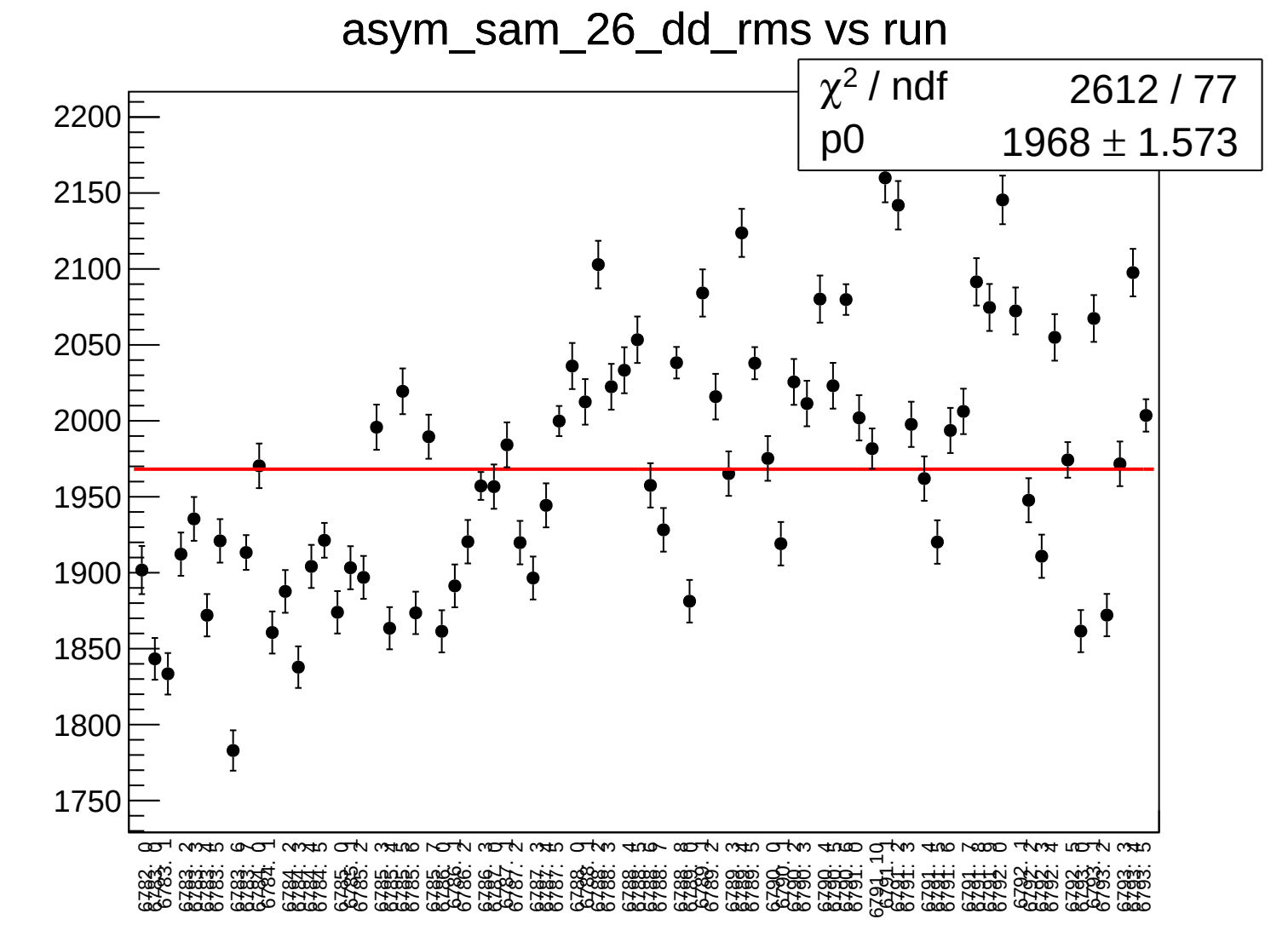

asym_sam_26_dd_correction_mean vs run
χ² / ndf 70.98 / 77
p0 −3809 ± 2243
pull
Entries 78
Mean 401.5
Std Dev 383.5

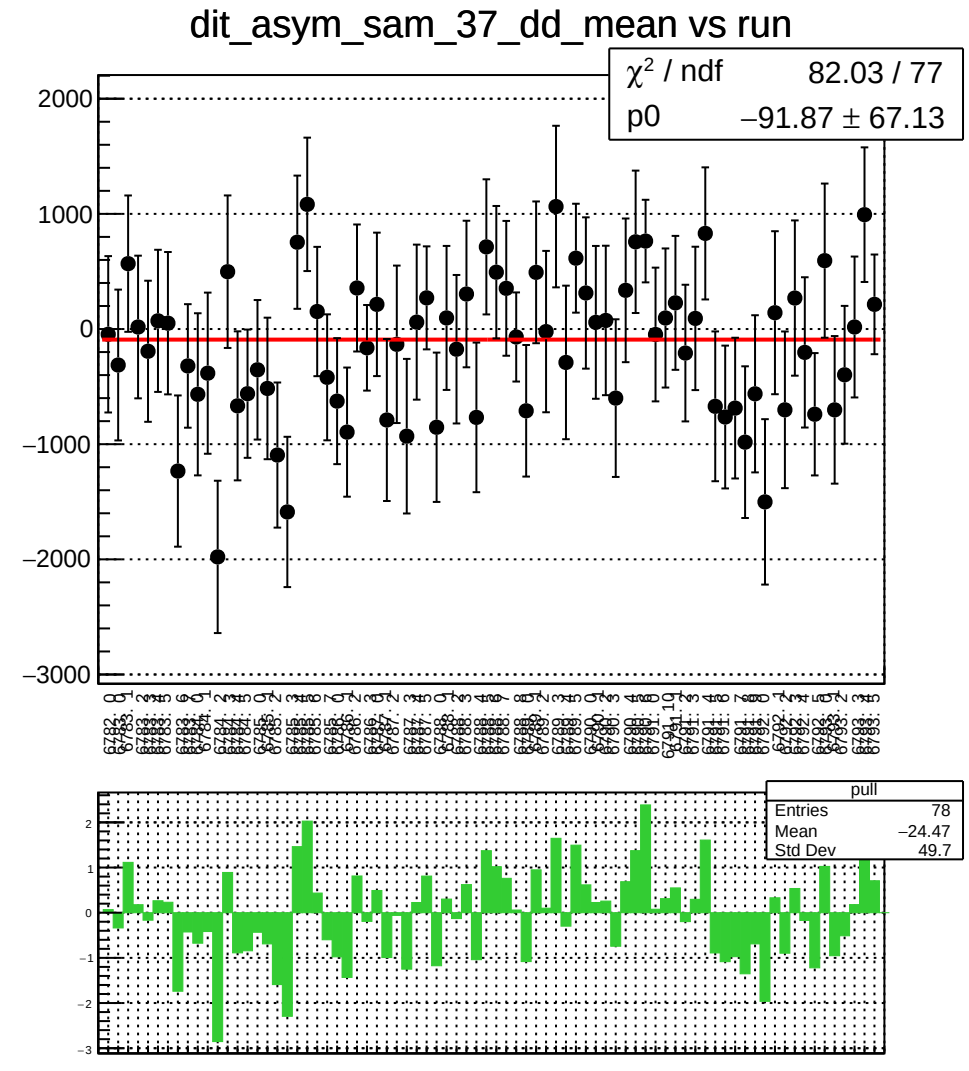

pull1D
Entries 78
Mean 0.002587
Std Dev 0.954

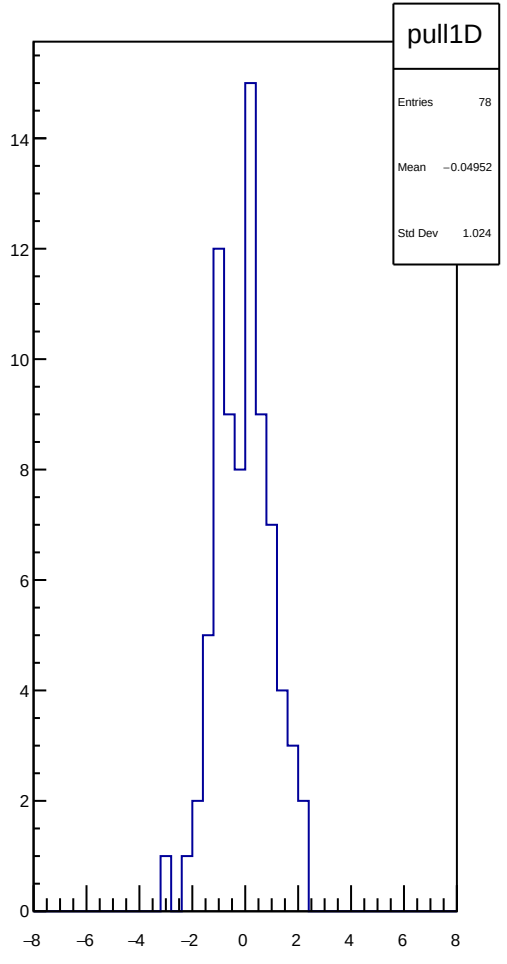

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2783 / 77
p0 1984 ± 1.586
2200
2100
2000
1900
1800

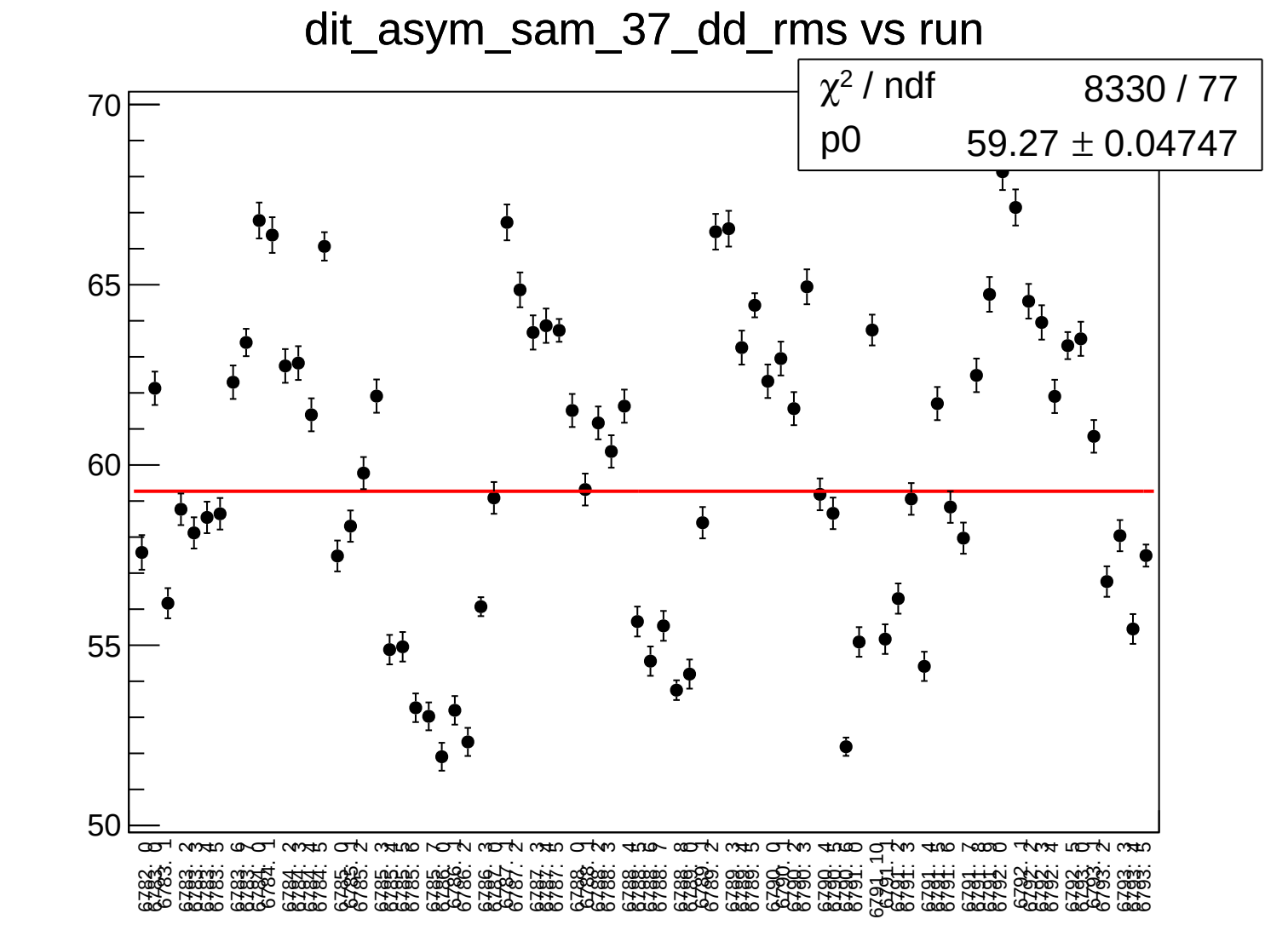

asym_sam_26_dd_mean vs run
χ² / ndf 71.16 / 77
p0 3938 ± 2225
pull
Entries 78
Mean −564
Std Dev 575.1

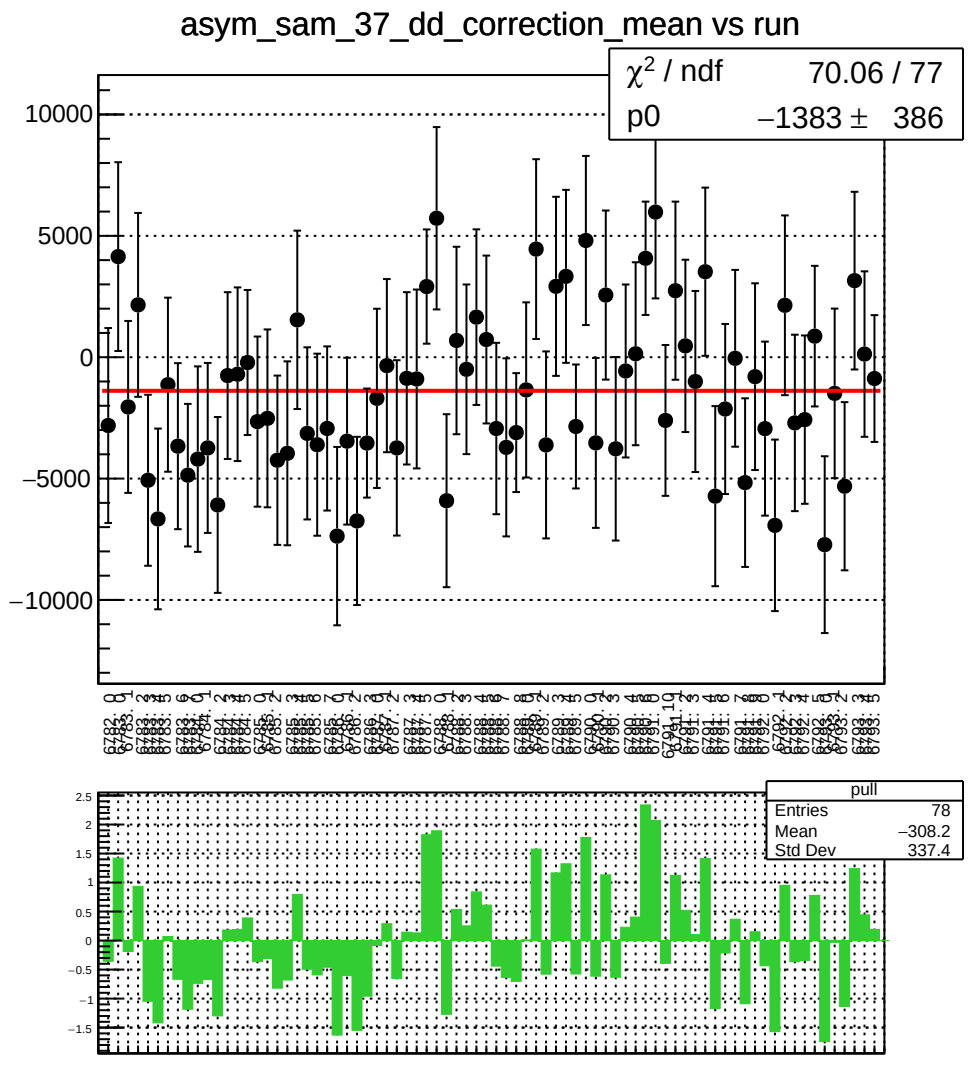

pull1D
Entries 78
Mean 0.001584
Std Dev 0.9551

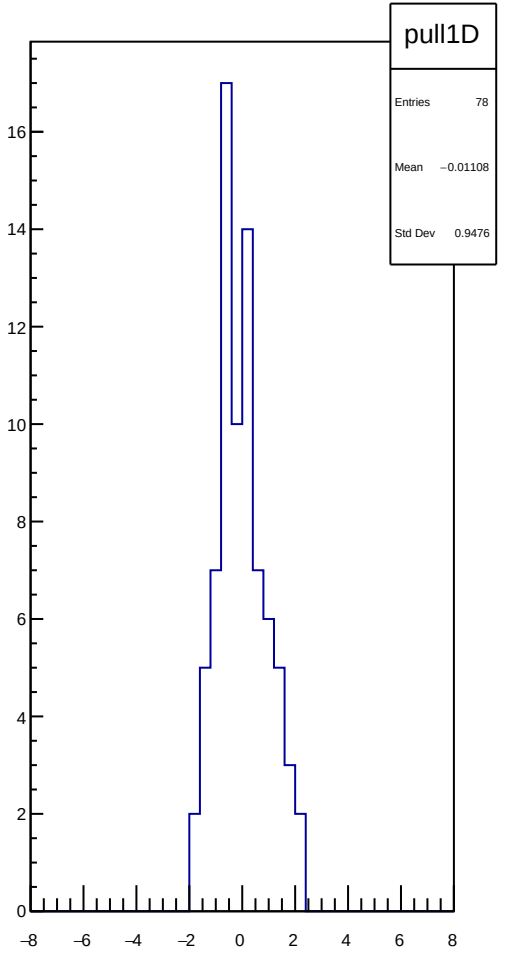

asym_sam_26_dd_rms vs run
χ² / ndf 2612 / 77
p0 1968 ± 1.573
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750

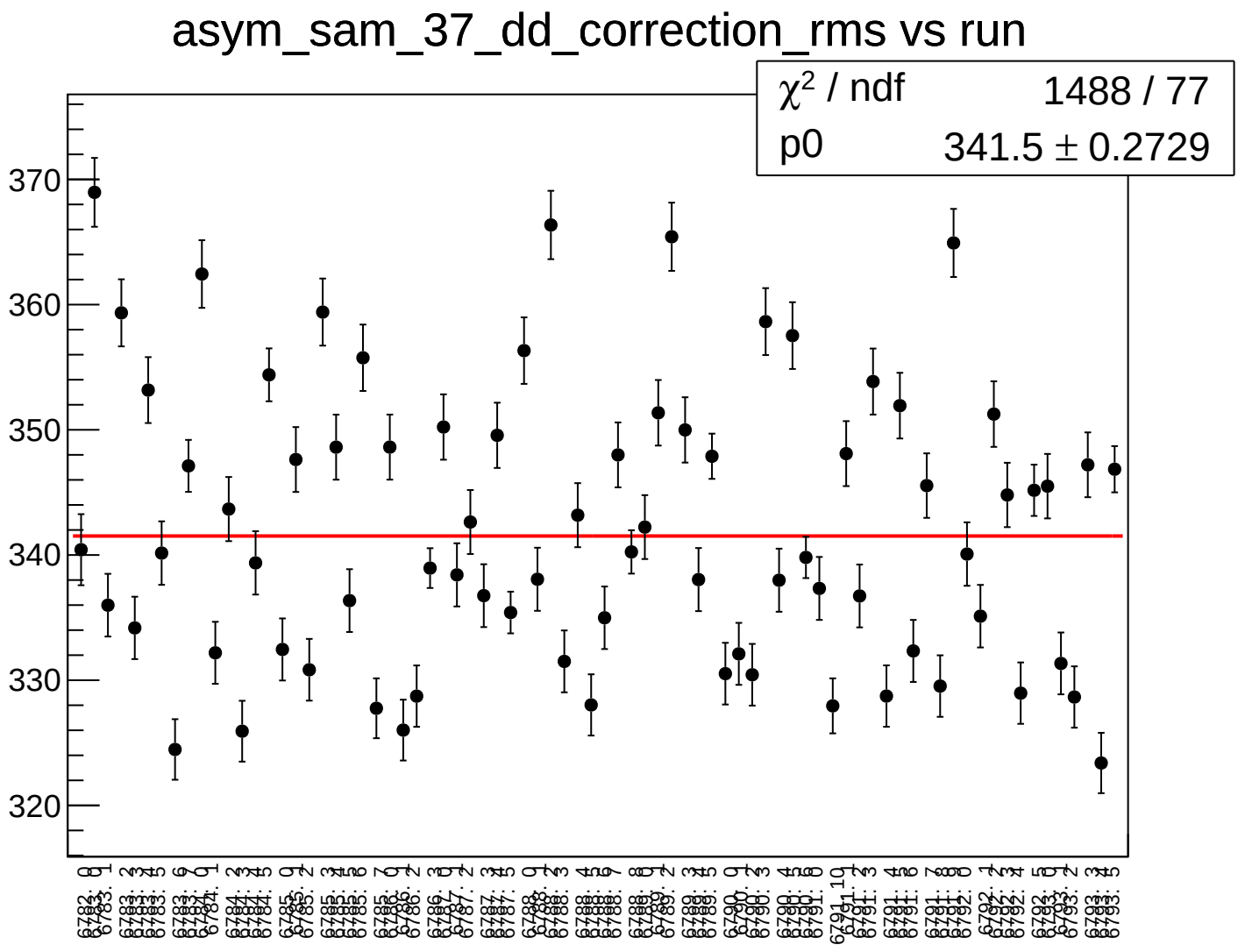

dit_asym_sam_37_dd_mean vs run
χ² / ndf 82.03 / 77
p0 −91.87 ± 67.13
pull
Entries 78
Mean −24.47
Std Dev 49.7

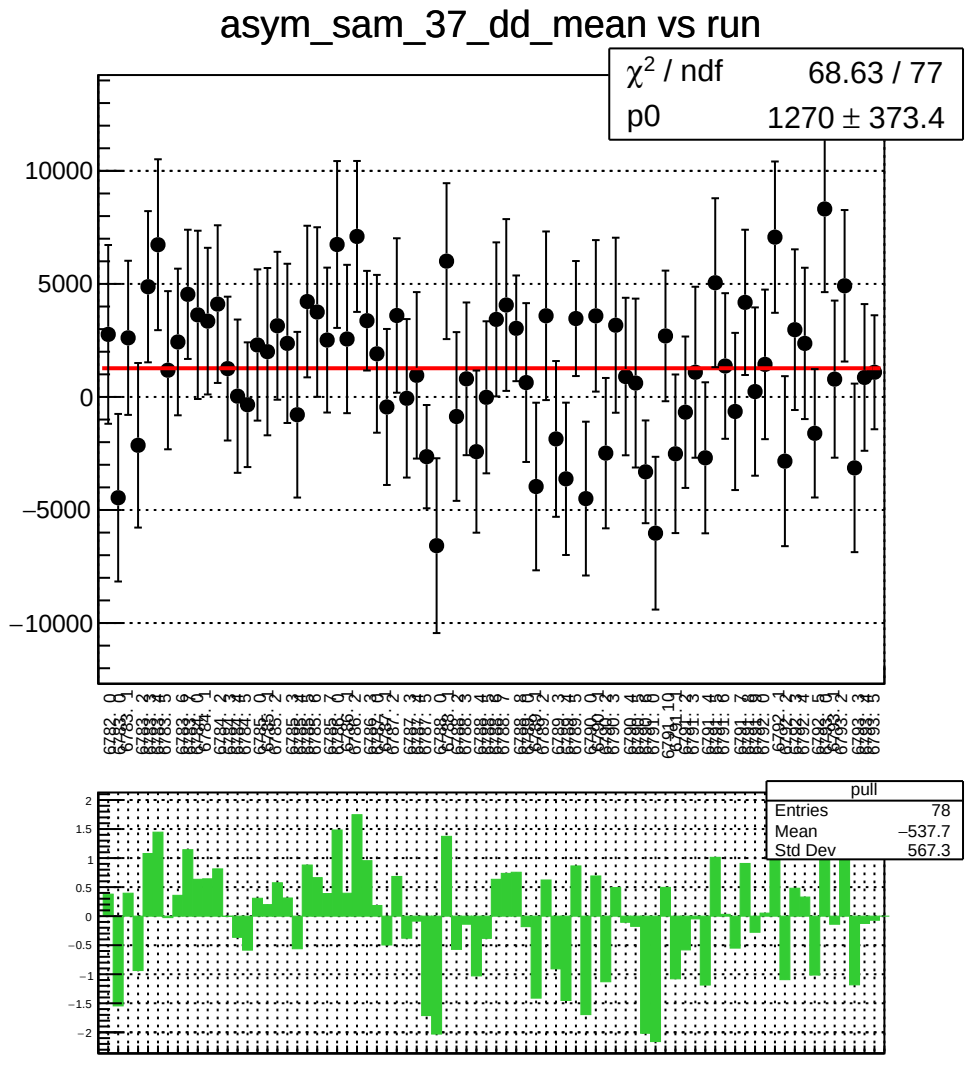

pull1D
Entries 78
Mean −0.04952
Std Dev 1.024

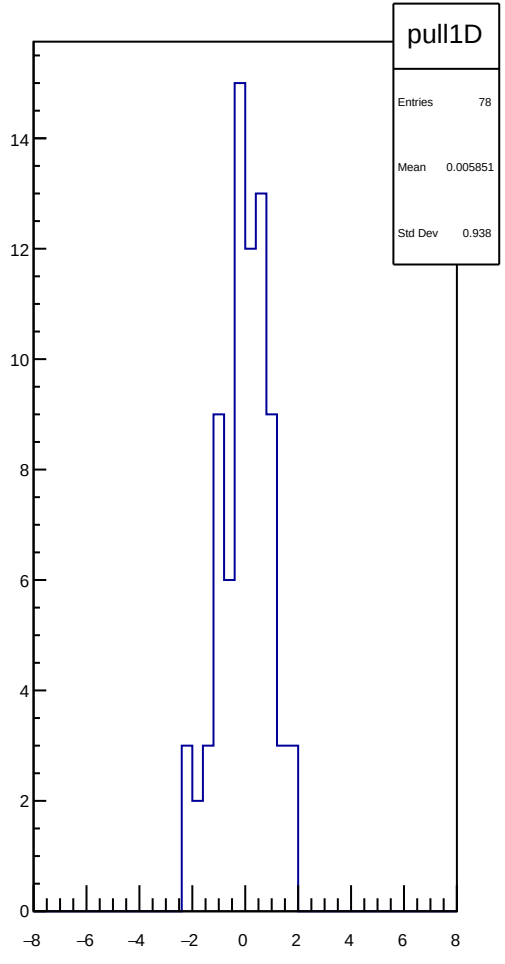

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 8330 / 77
p0 59.27 ± 0.04747
70
65
60
55
50

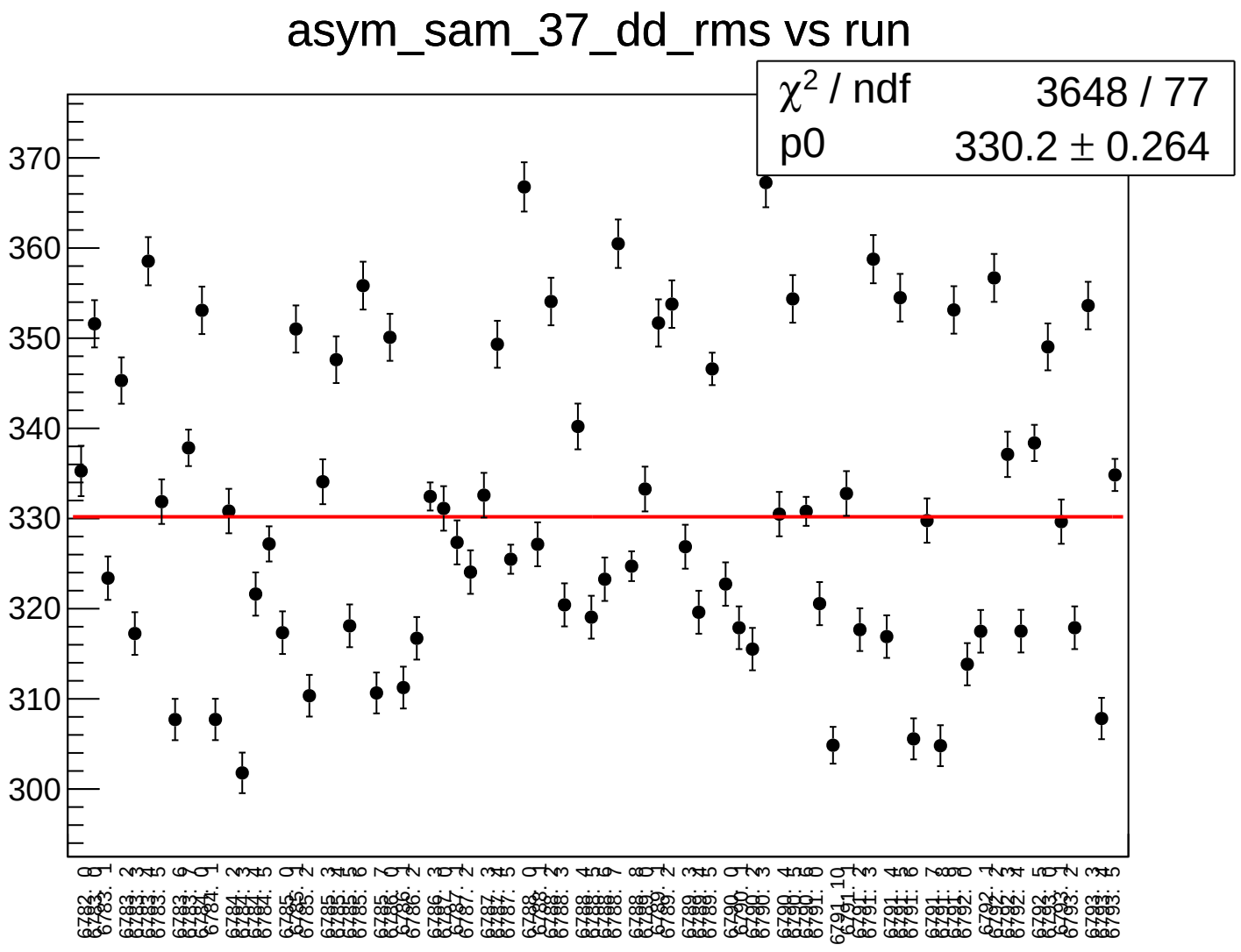

asym_sam_37_dd_correction_mean vs run
χ² / ndf 70.06 / 77
p0 −1383 ± 386
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −308.2
Std Dev 337.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

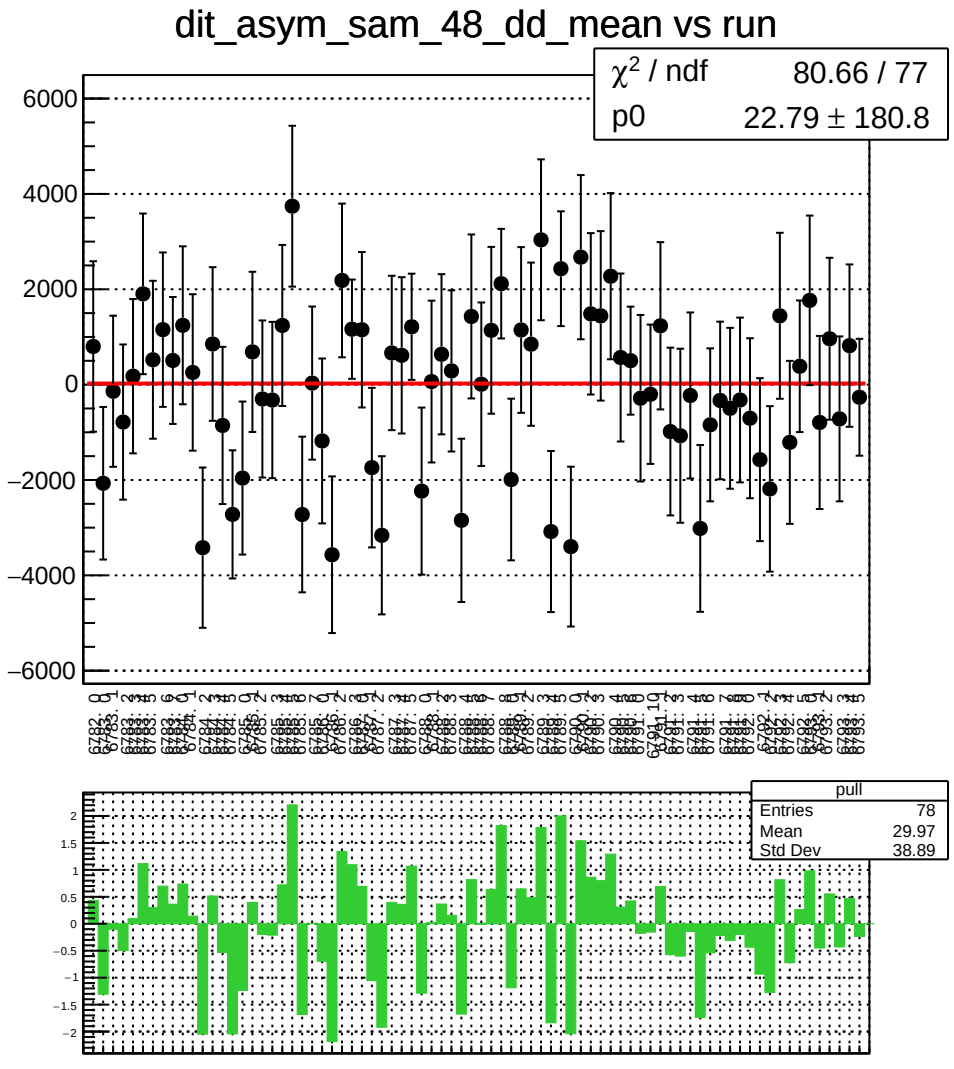

pull1D
Entries 78
Mean −0.01108
Std Dev 0.9476
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

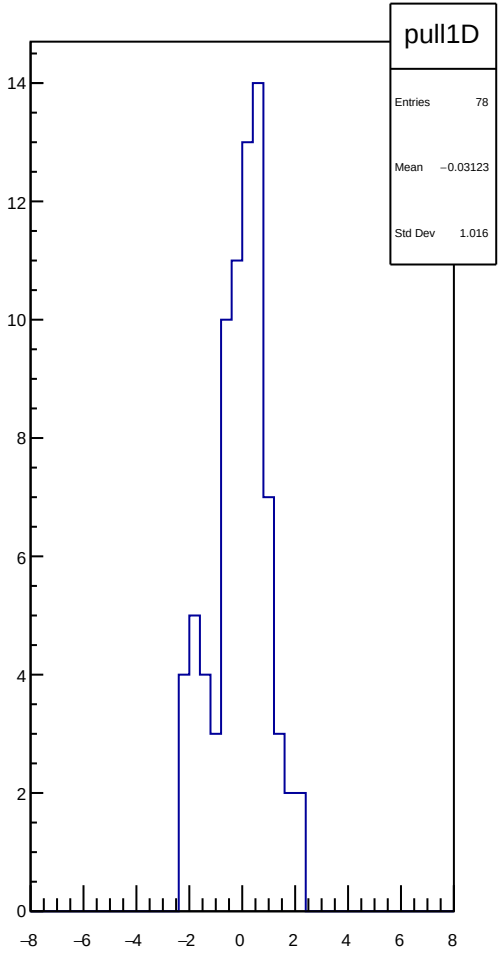

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1488 / 77
p0 341.5 ± 0.2729
370
360
350
340
330
320

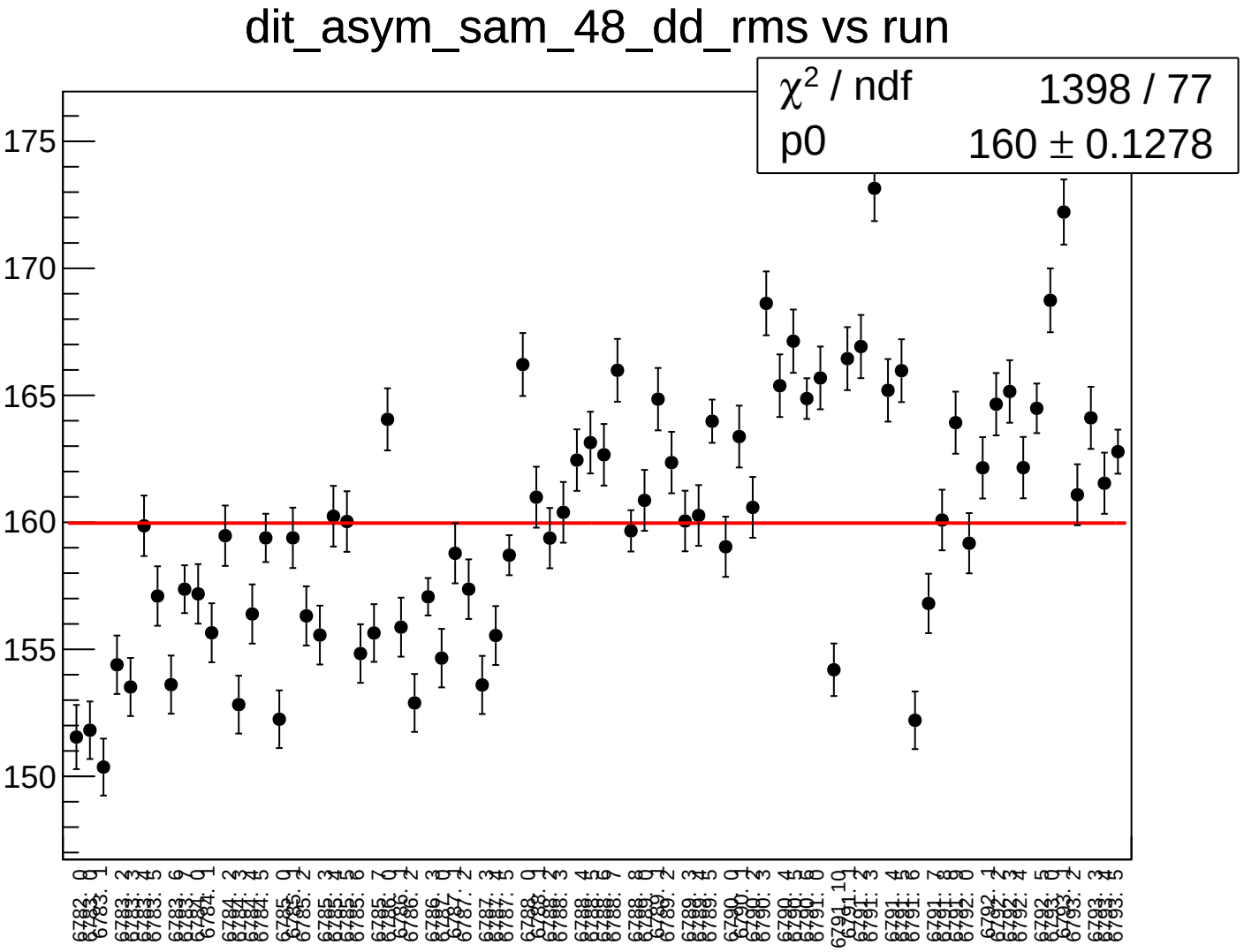

asym_sam_37_dd_mean vs run
χ^2 / ndf 68.63 / 77
p0 1270 ± 373.4
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −537.7
Std Dev 567.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

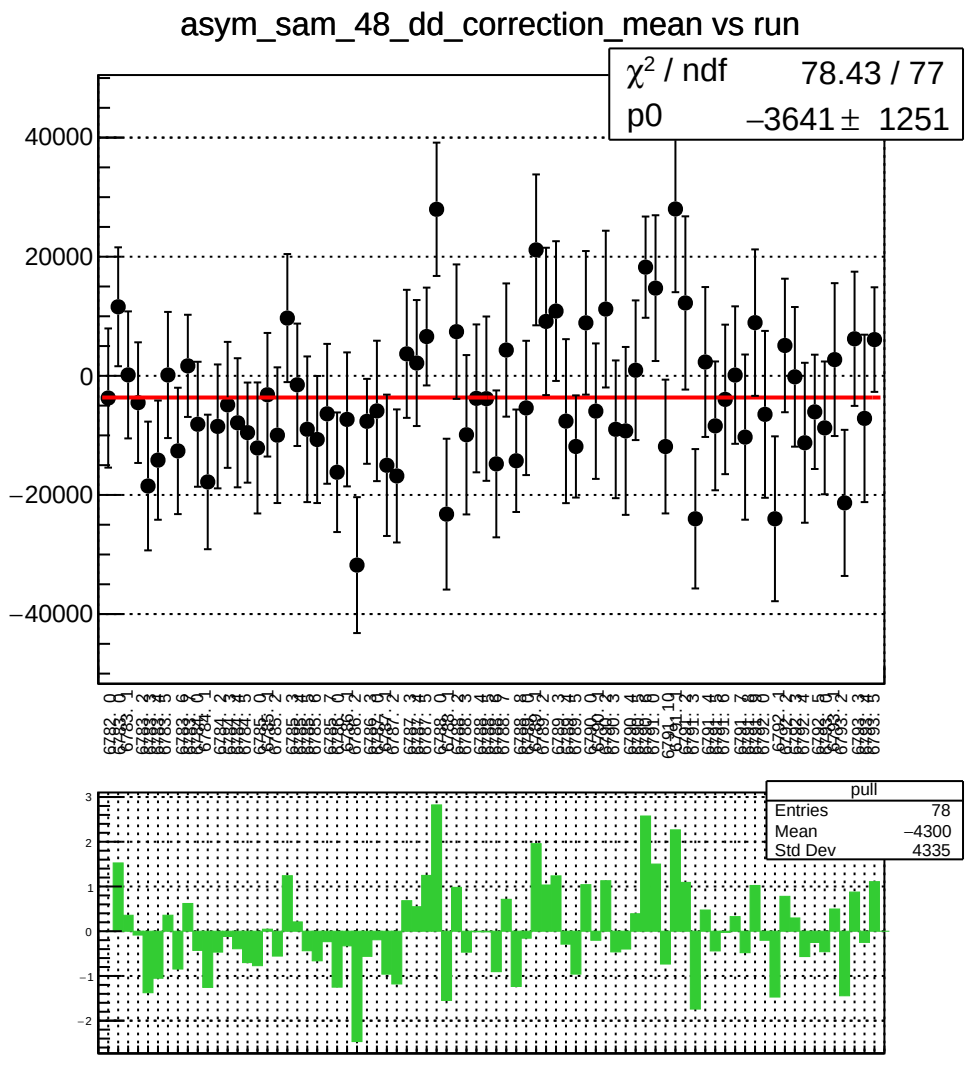

pull1D
Entries 78
Mean 0.005851
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

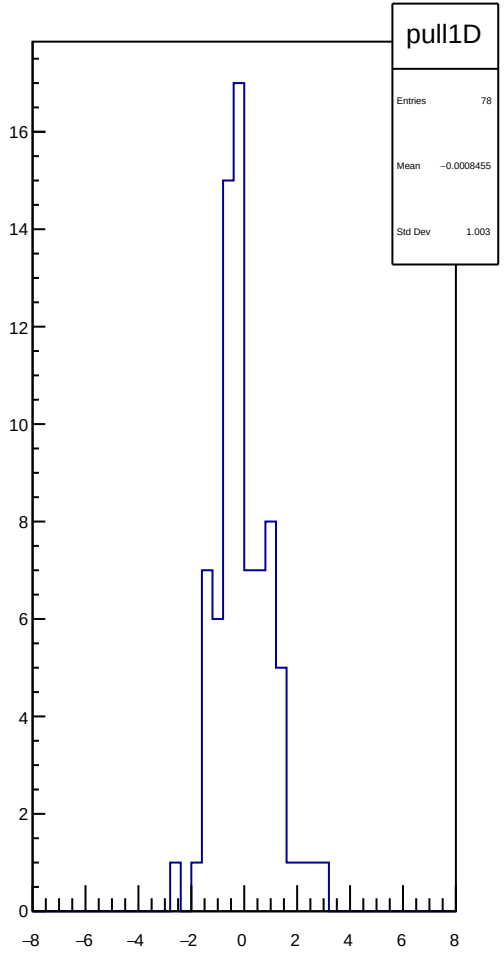

asym_sam_37_dd_rms vs run
χ^2 / ndf 3648 / 77
p0 330.2 ± 0.264
370
360
350
340
330
320
310
300

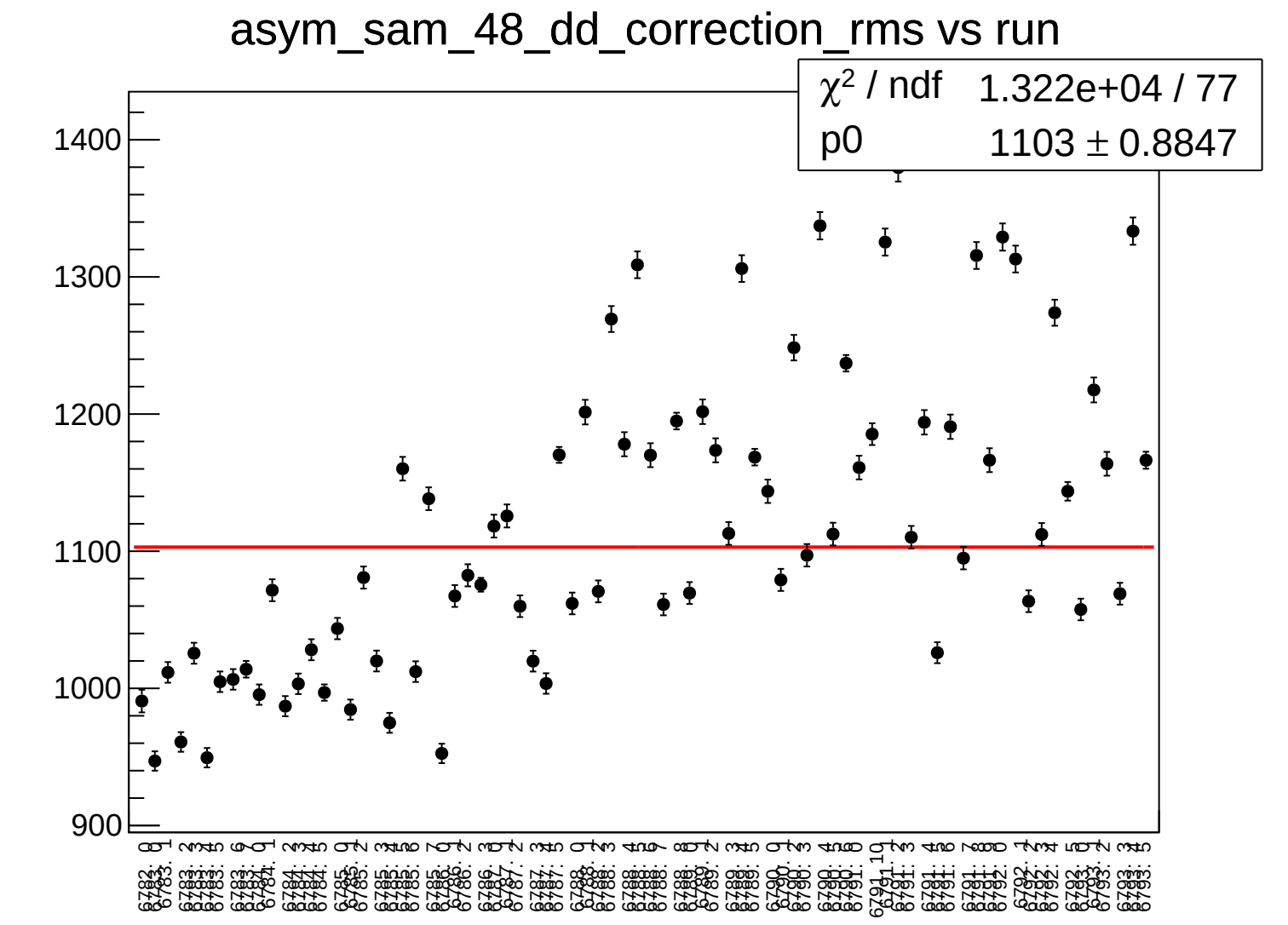

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.66 / 77
p0 22.79 ± 180.8
pull
Entries 78
Mean 29.97
Std Dev 38.89

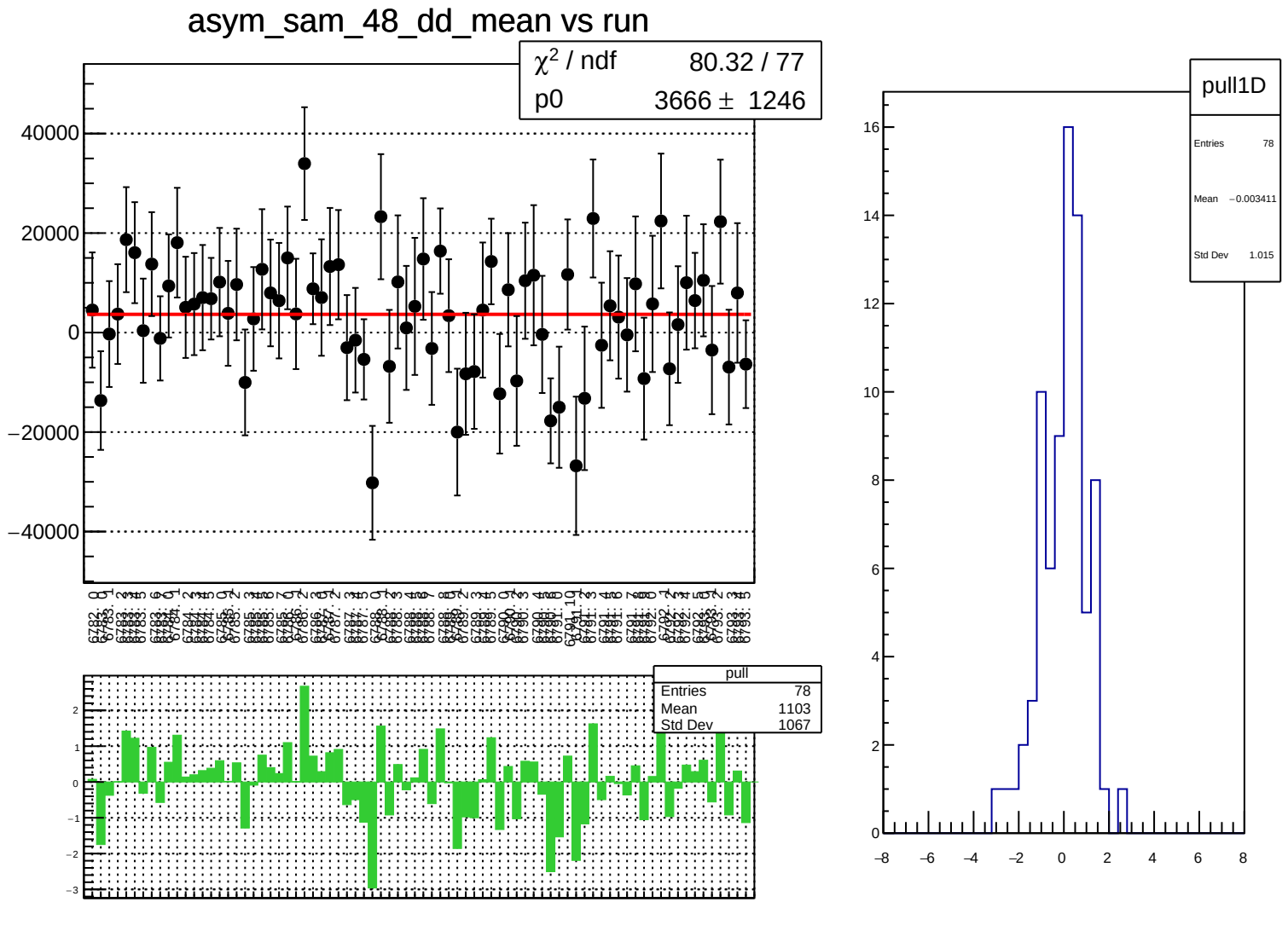

pull1D
Entries 78
Mean −0.03123
Std Dev 1.016

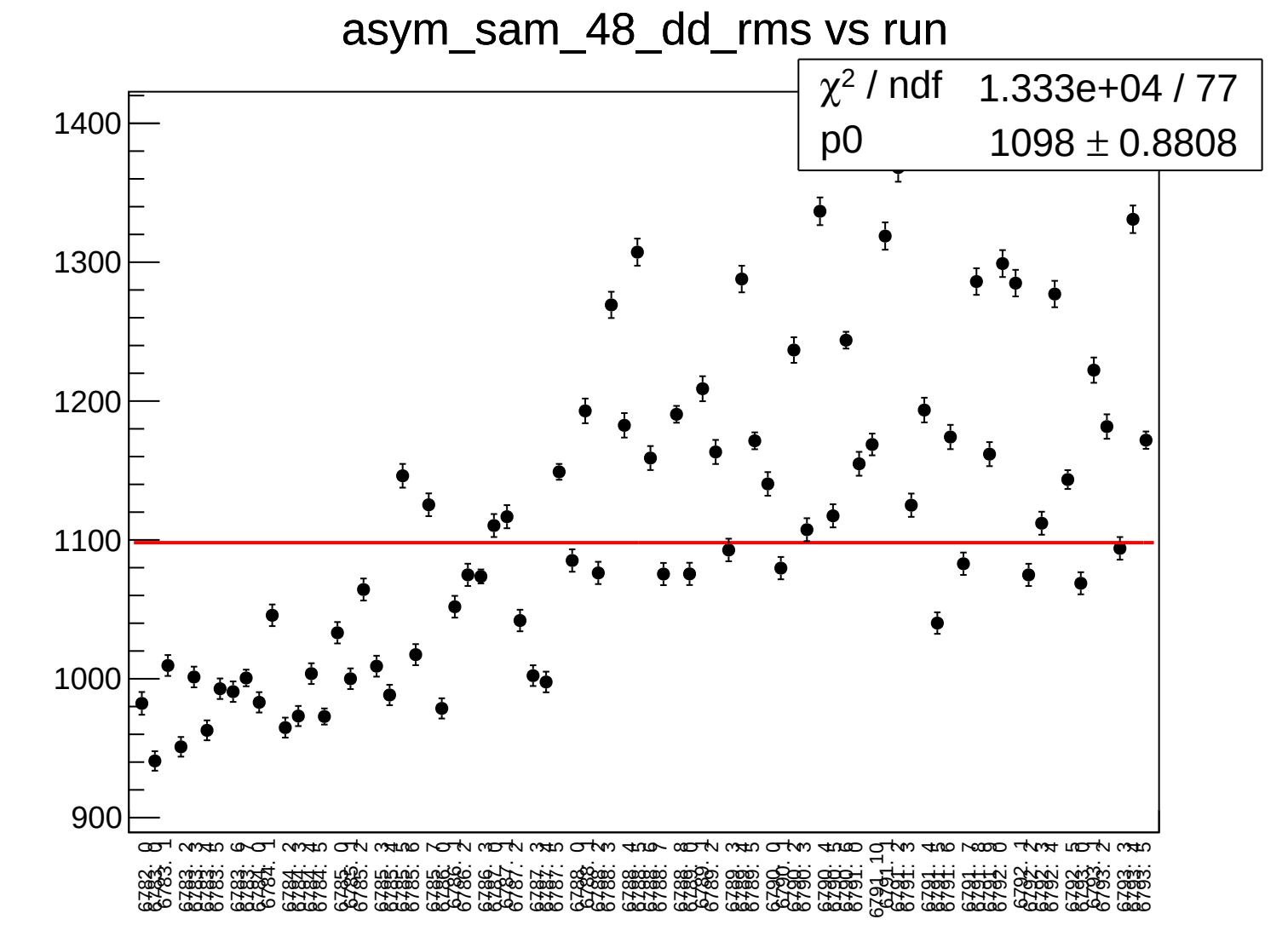

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1398 / 77
p0 160 ± 0.1278
175
170
165
160
155
150

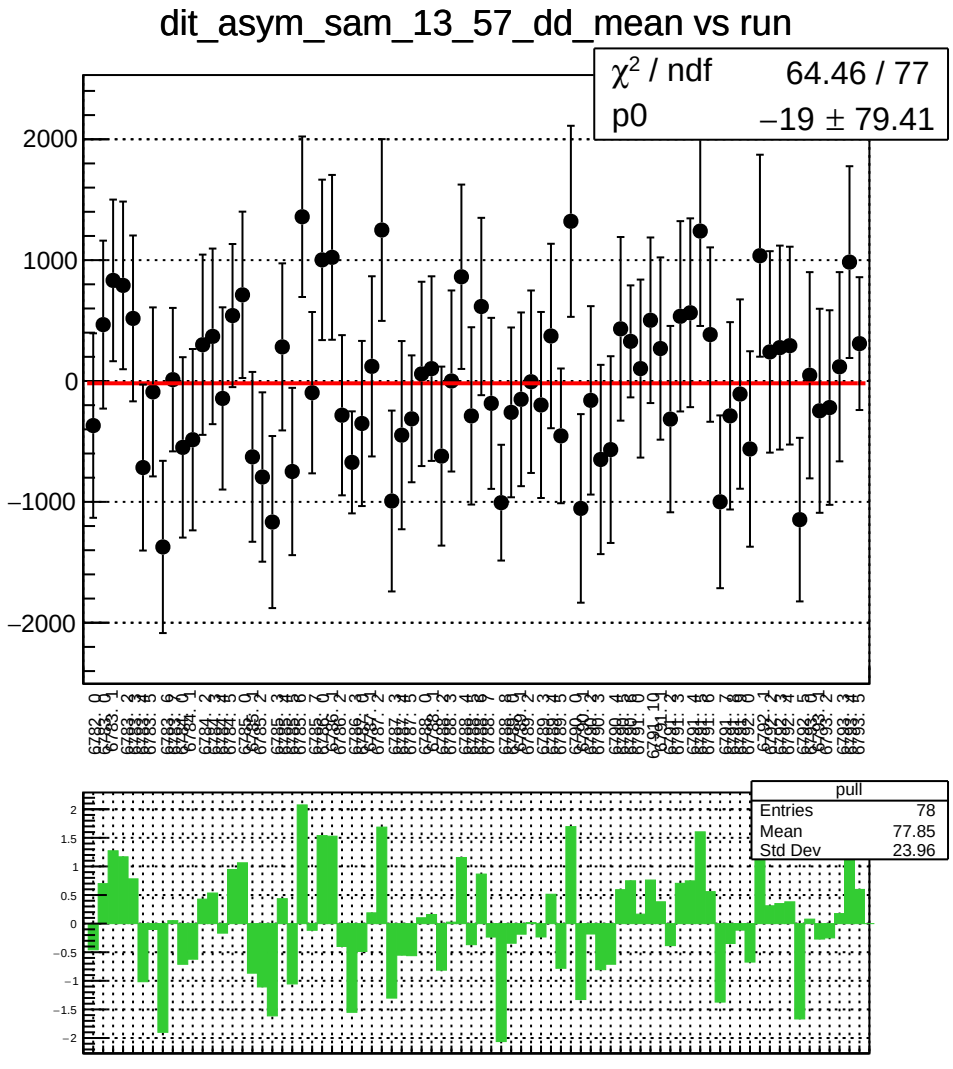

asym_sam_48_dd_correction_mean vs run
χ² / ndf 78.43 / 77
p0 −3641 ± 1251
40000
20000
0
−20000
−40000
pull
Entries 78
Mean −4300
Std Dev 4335
3
2
1
0
−1
−2

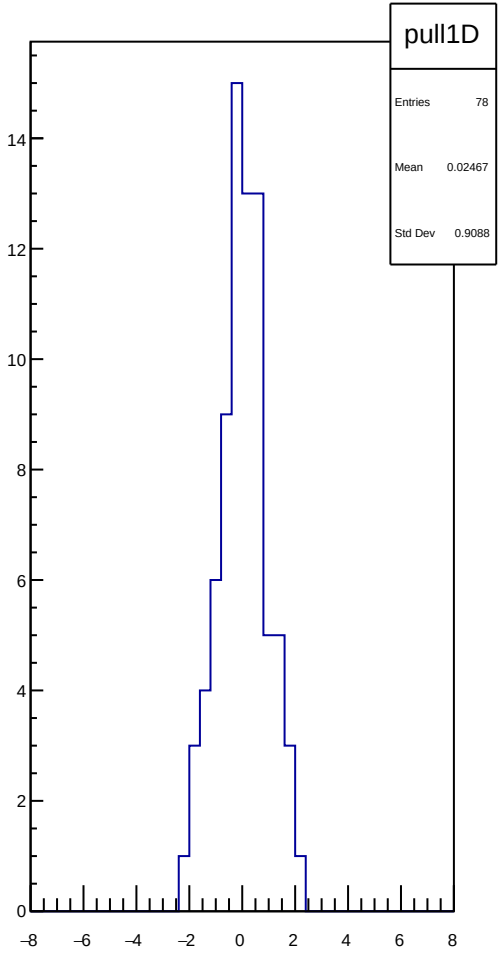

pull1D
Entries 78
Mean −0.0008455
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

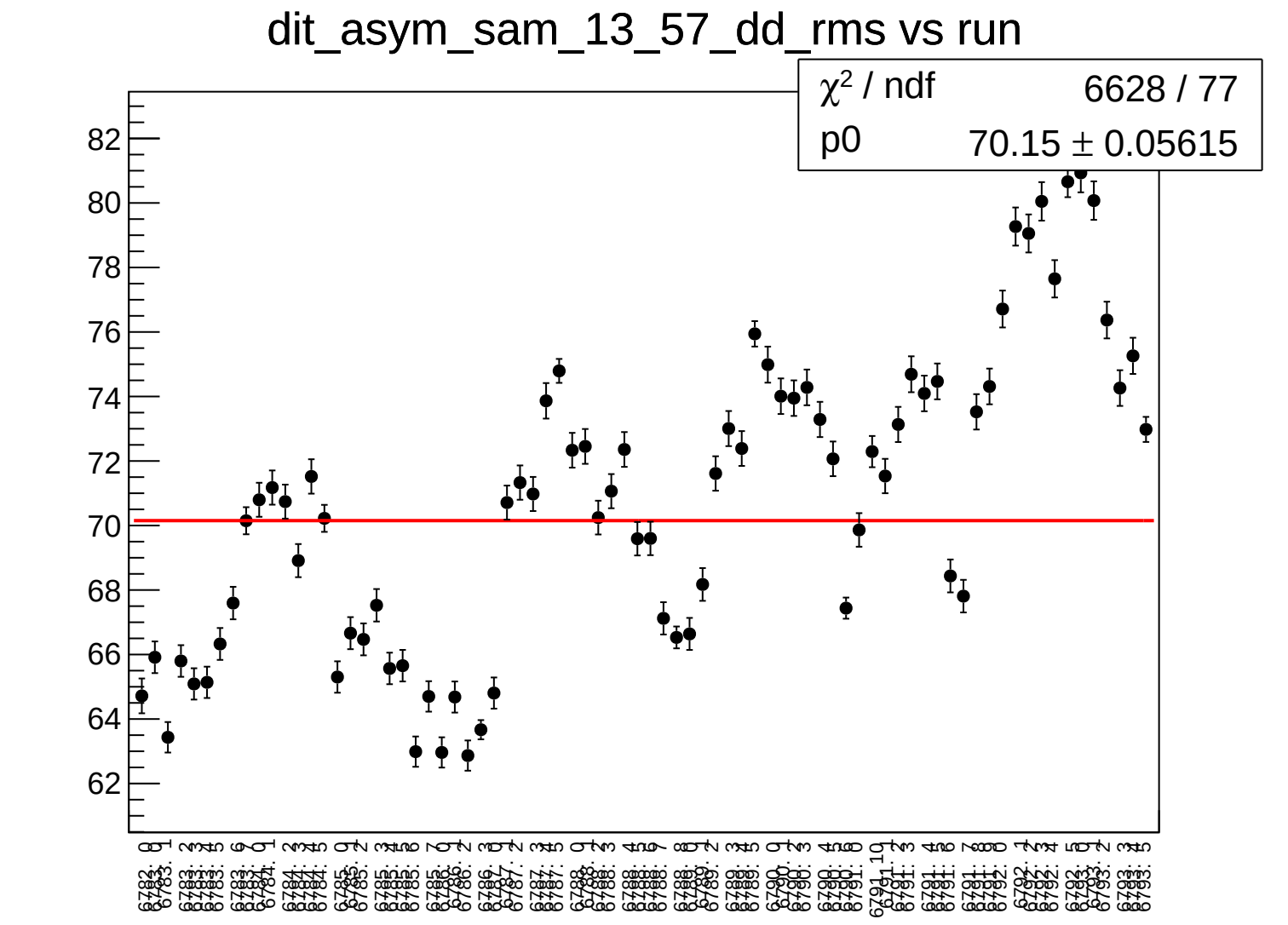

asym_sam_48_dd_correction_rms vs run
χ² / ndf 1.322e+04 / 77
p0 1103 ± 0.8847
1400
1300
1200
1100
1000
900

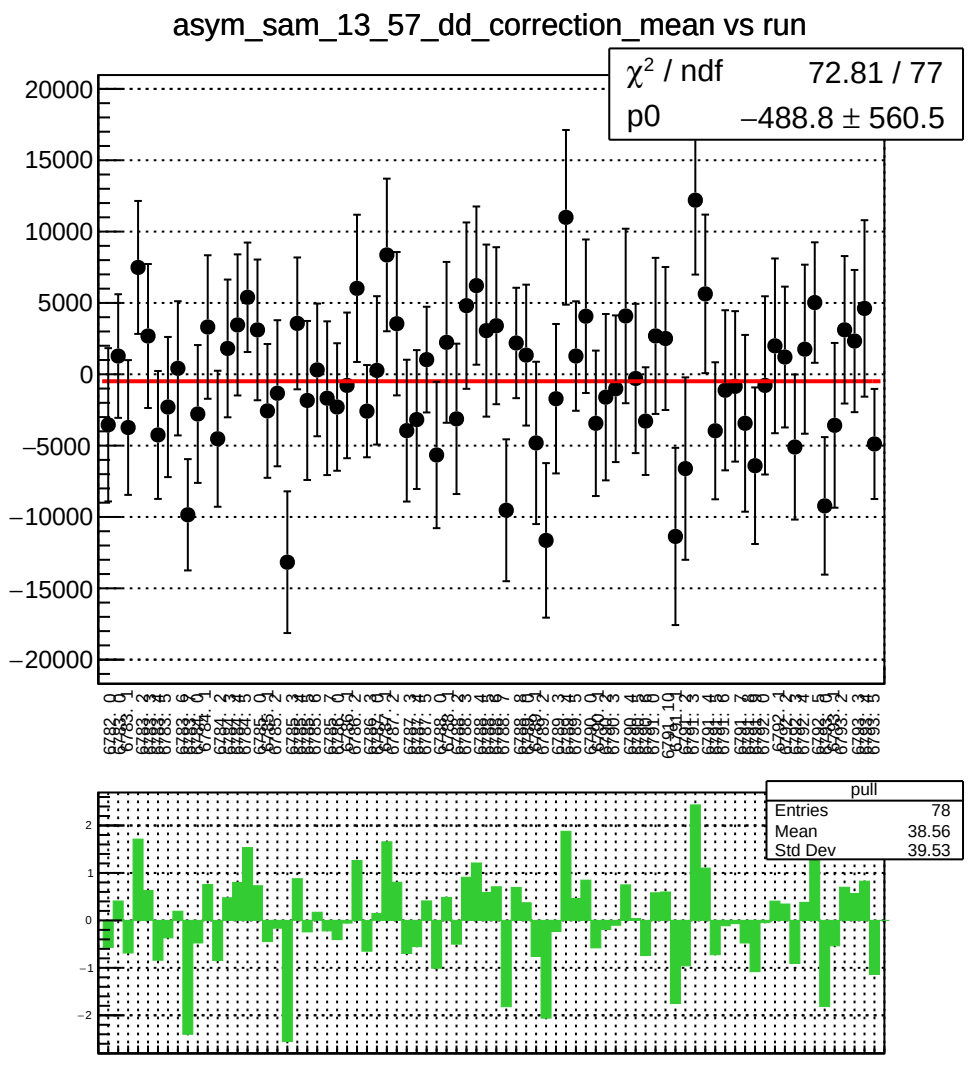

asym_sam_48_dd_mean vs run
χ² / ndf 80.32 / 77
p0 3666 ± 1246
40000
20000
0
−20000
−40000
pull
Entries 78
Mean 1103
Std Dev 1067
pull1D
Entries 78
Mean −0.003411
Std Dev 1.015

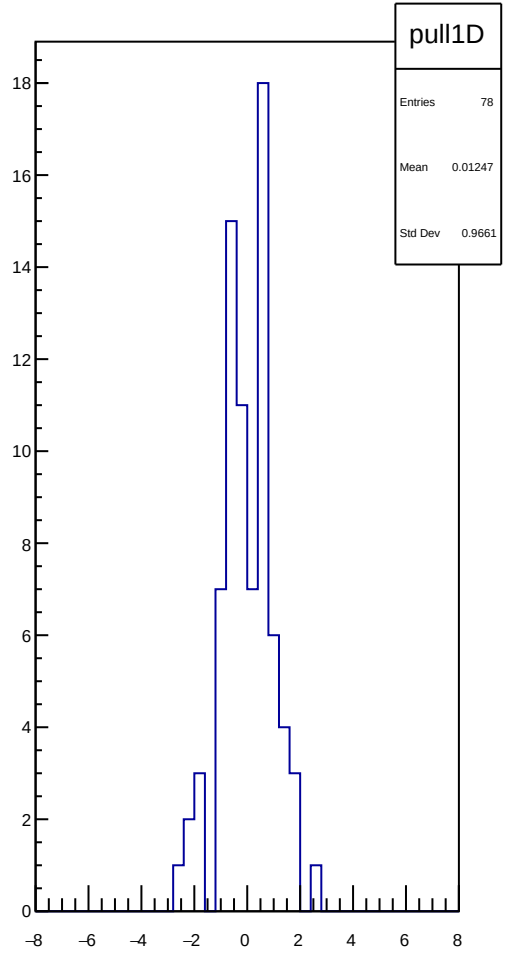

asym_sam_48_dd_rms vs run
χ² / ndf 1.333e+04 / 77
p0 1098 ± 0.8808
1400
1300
1200
1100
1000
900

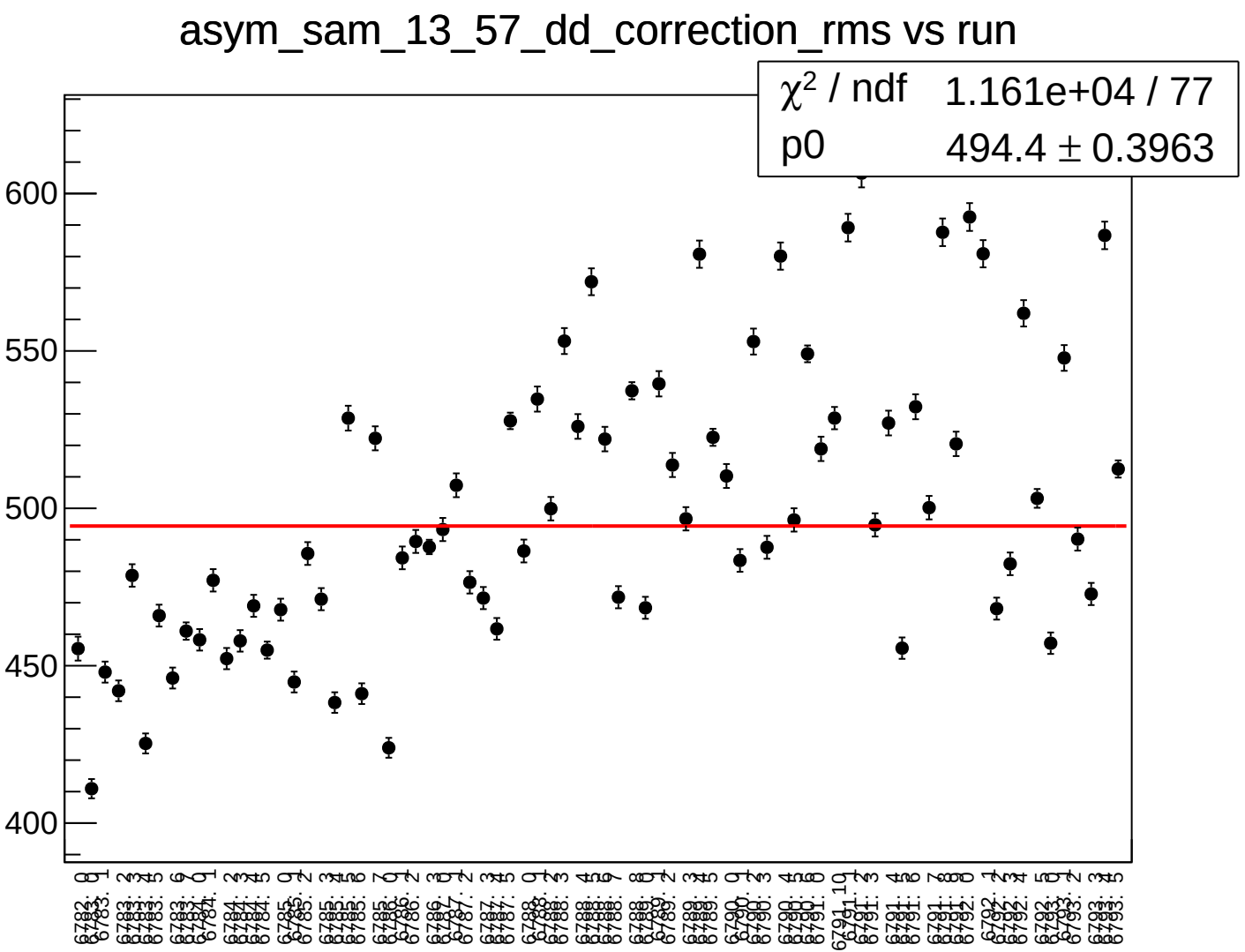

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 64.46 / 77
p0 −19 ± 79.41
pull
Entries 78
Mean 77.85
Std Dev 23.96

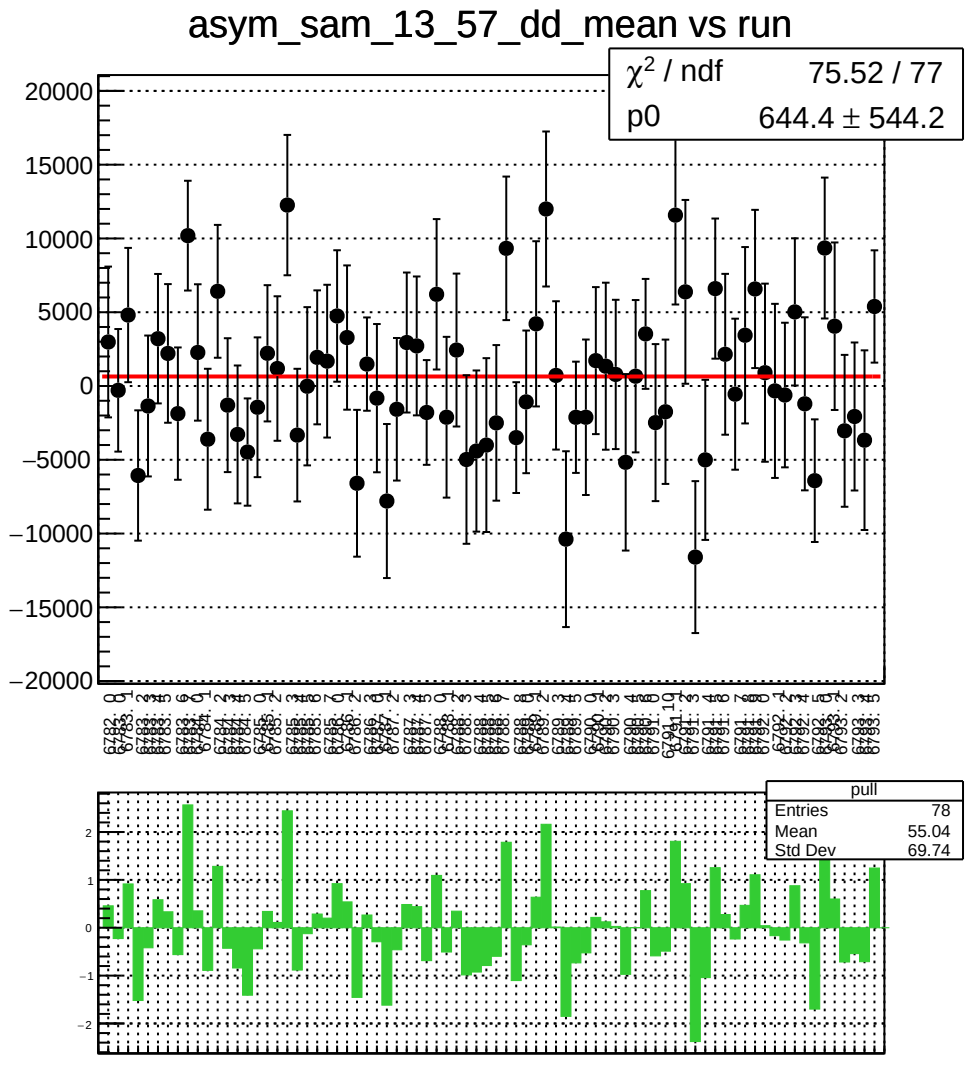

pull1D
Entries 78
Mean 0.02467
Std Dev 0.9088

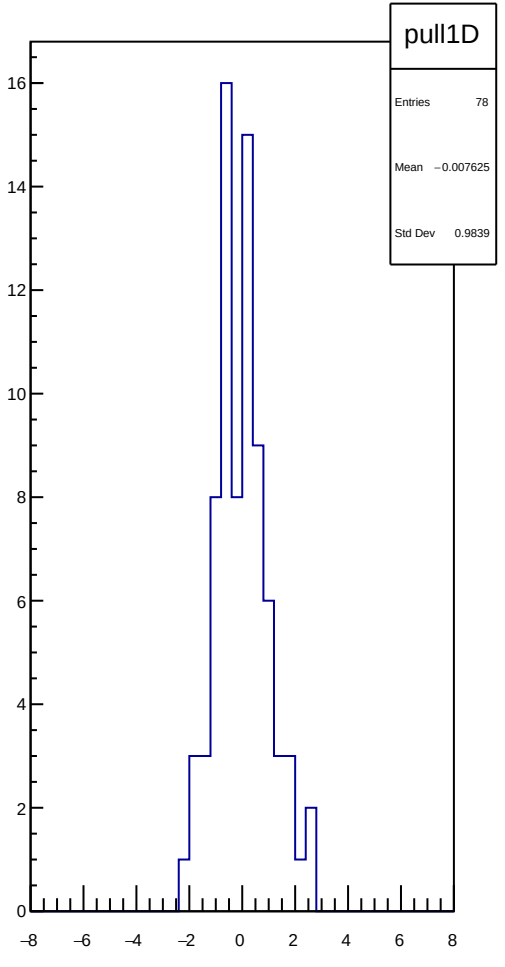

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 6628 / 77
p0 70.15 ± 0.05615
82
80
78
76
74
72
70
68
66
64
62

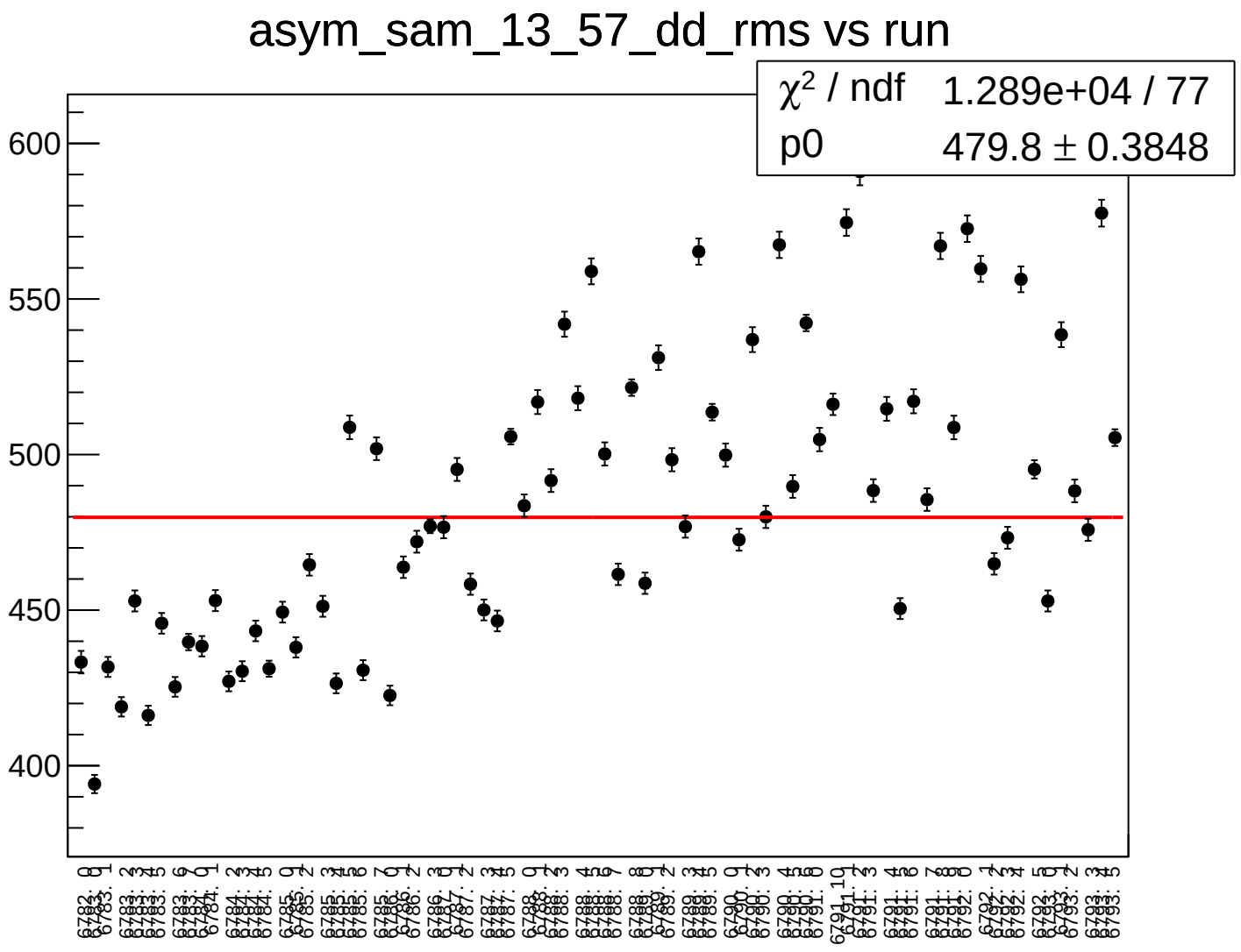

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 72.81 / 77
p0 −488.8 ± 560.5
pull
Entries 78
Mean 38.56
Std Dev 39.53

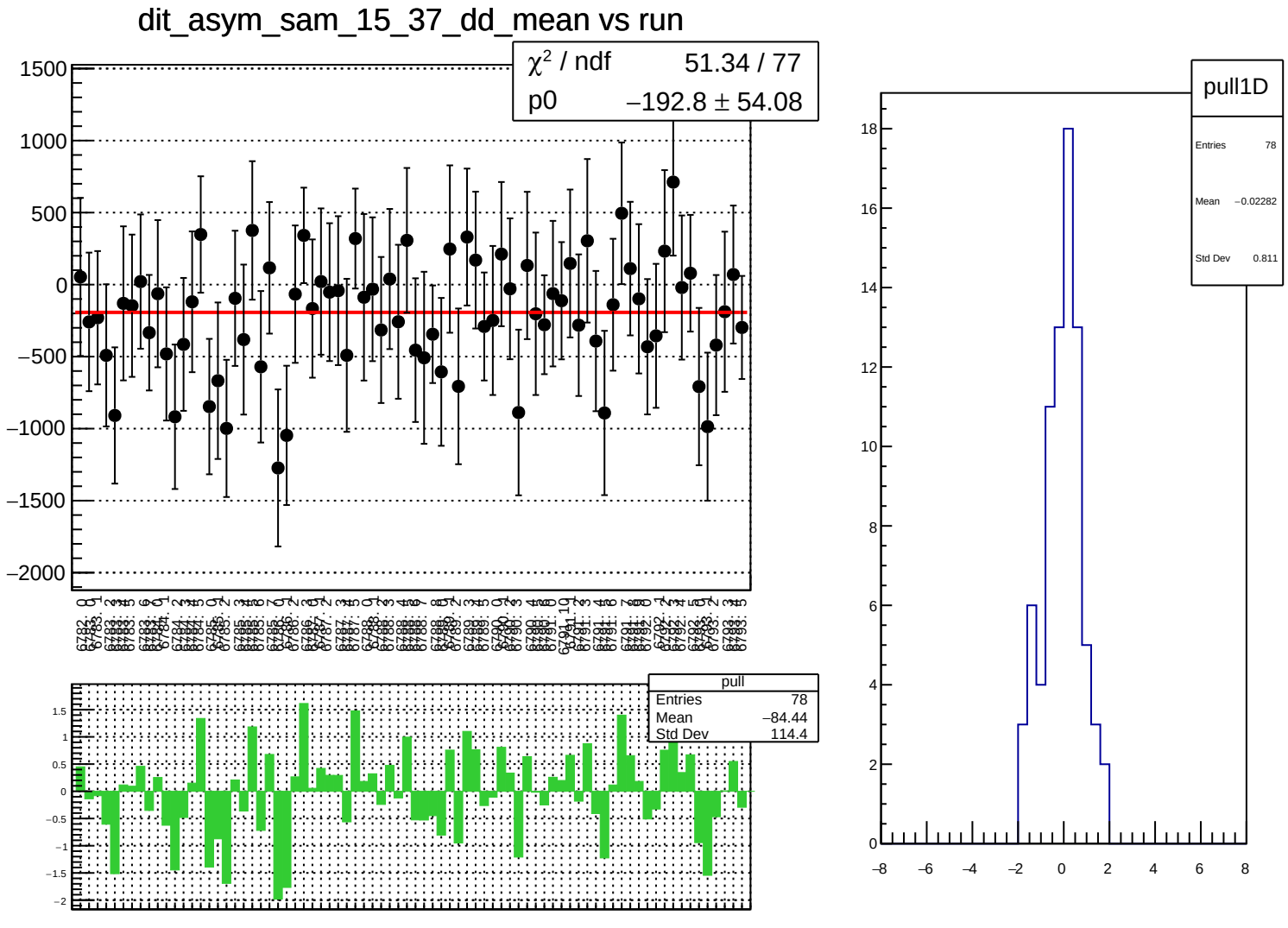

pull1D
Entries 78
Mean 0.01247
Std Dev 0.9661

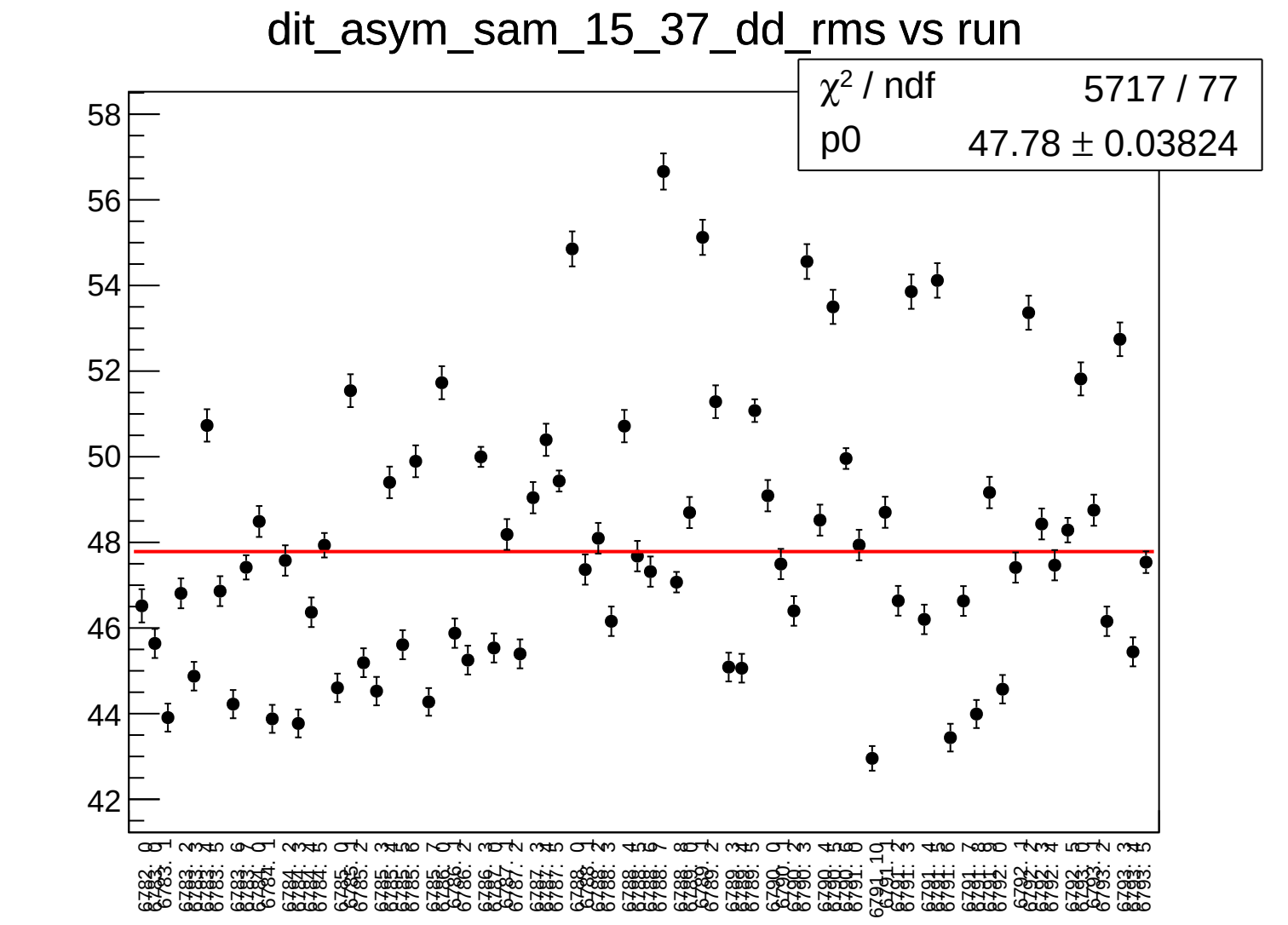

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.161e+04 / 77
p0 494.4 ± 0.3963
600
550
500
450
400

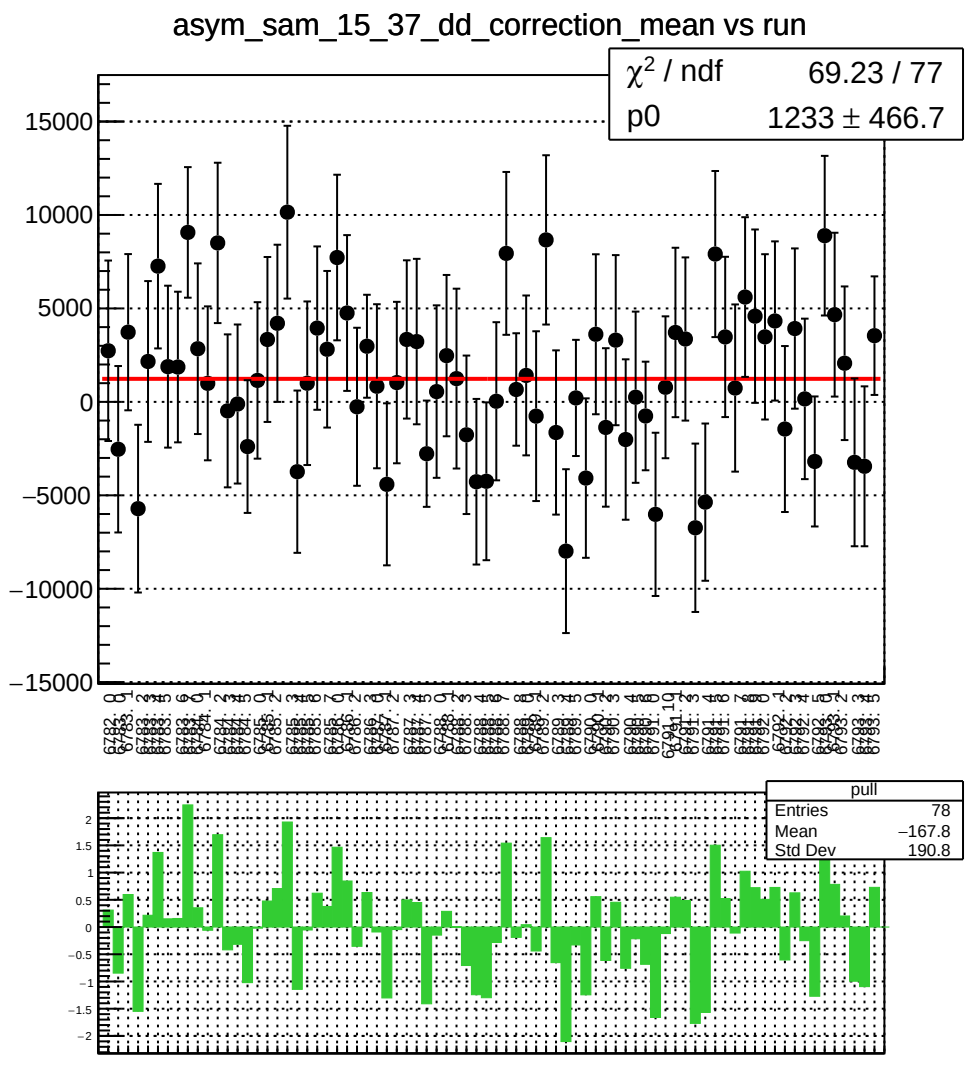

asym_sam_13_57_dd_mean vs run
χ² / ndf 75.52 / 77
p0 644.4 ± 544.2
pull
Entries 78
Mean 55.04
Std Dev 69.74

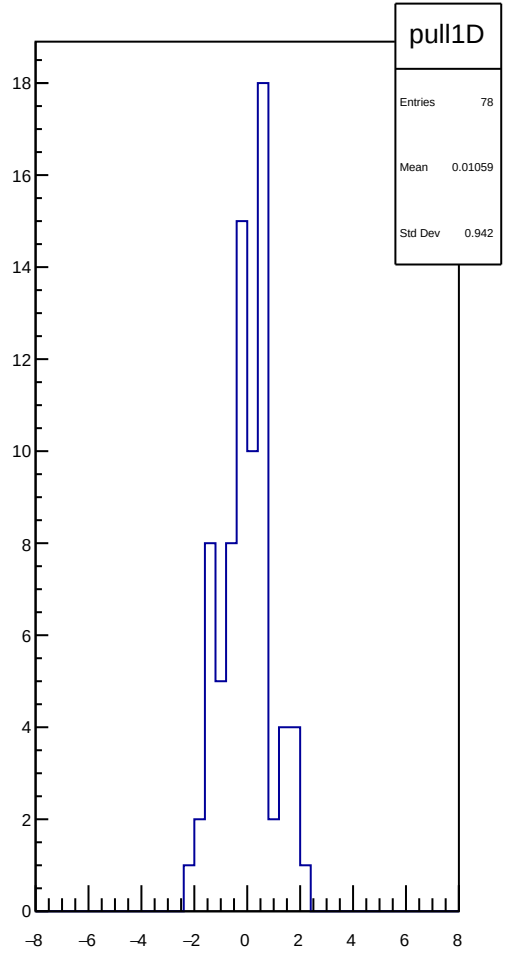

pull1D
Entries 78
Mean −0.007625
Std Dev 0.9839

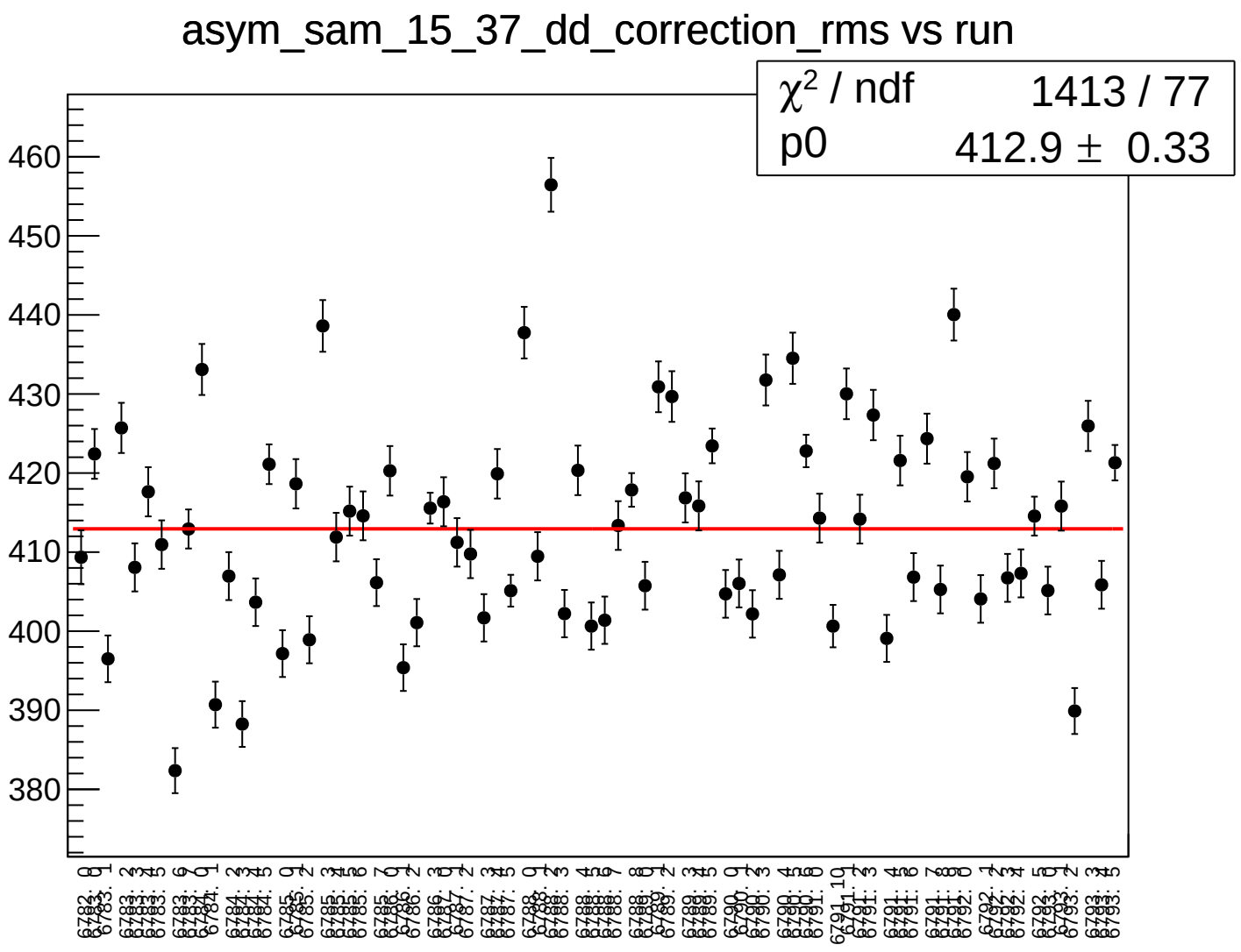

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1.289e+04 / 77
p0 479.8 ± 0.3848
600
550
500
450
400

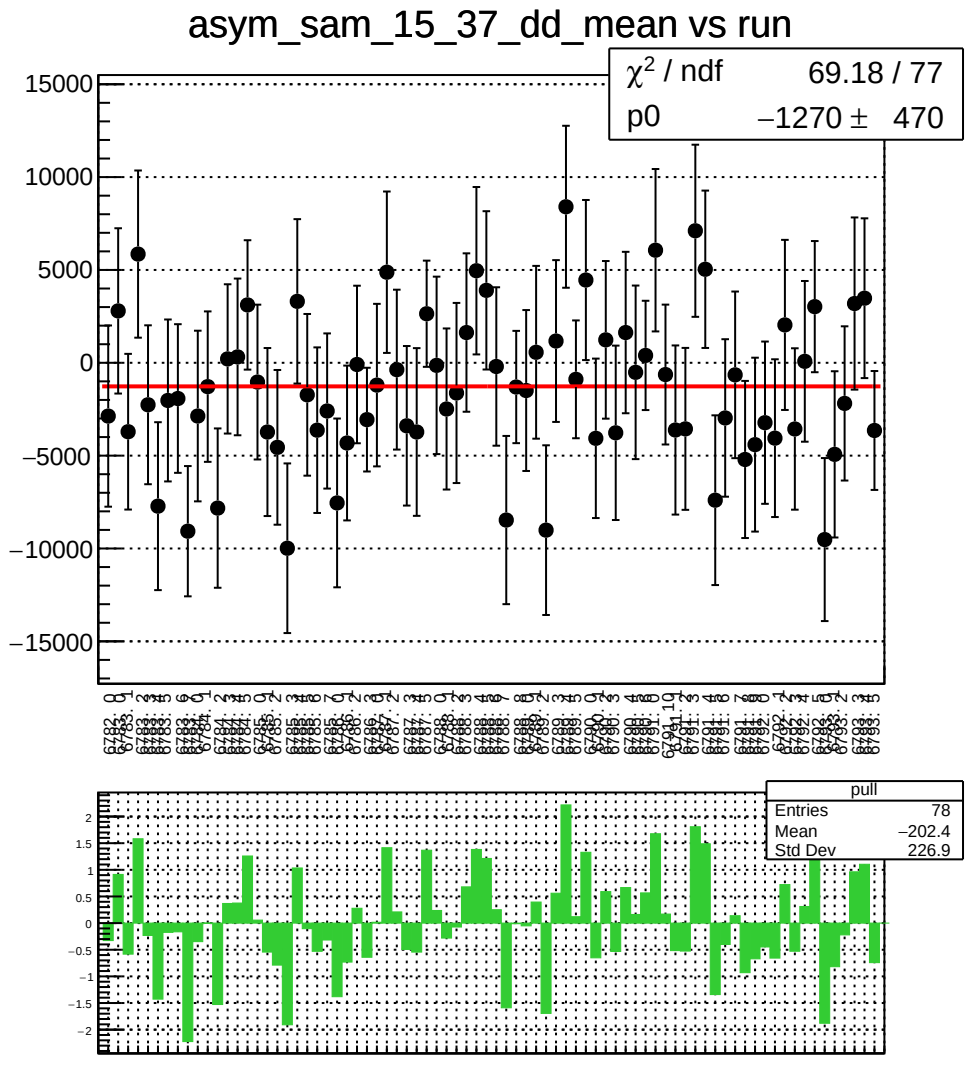

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 51.34 / 77
p0 −192.8 ± 54.08
pull
Entries 78
Mean −84.44
Std Dev 114.4
pull1D
Entries 78
Mean −0.02282
Std Dev 0.811

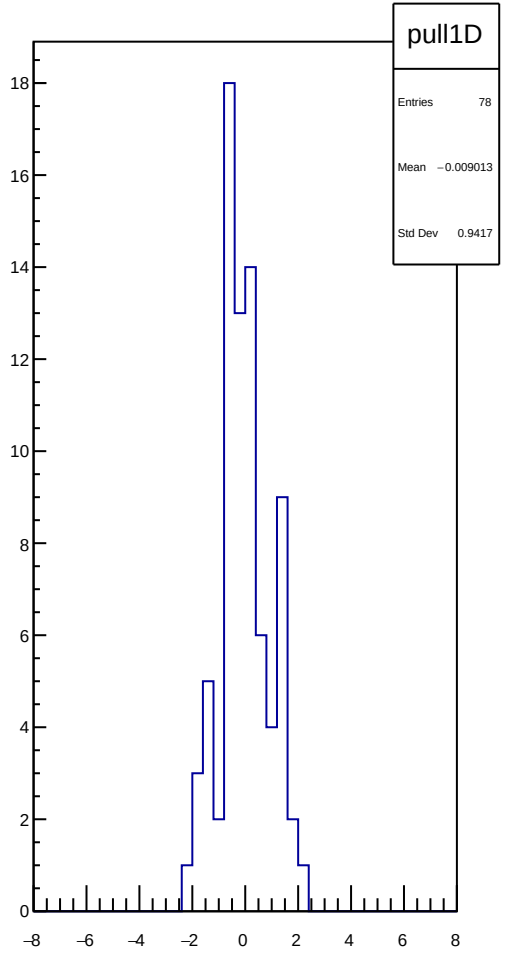

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5717 / 77
p0 47.78 ± 0.03824
58
56
54
52
50
48
46
44
42

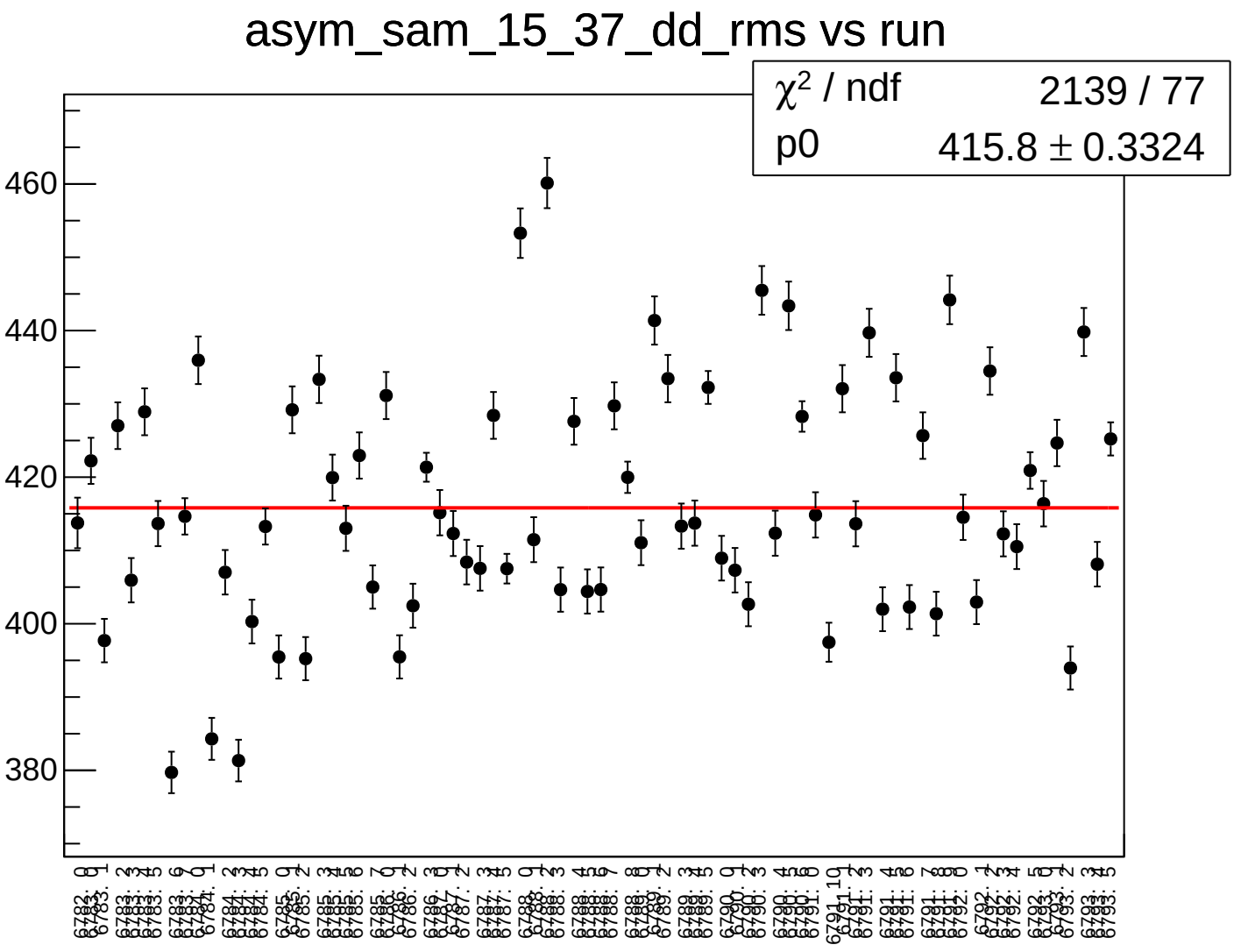

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 69.23 / 77
p0 1233 ± 466.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −167.8
Std Dev 190.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

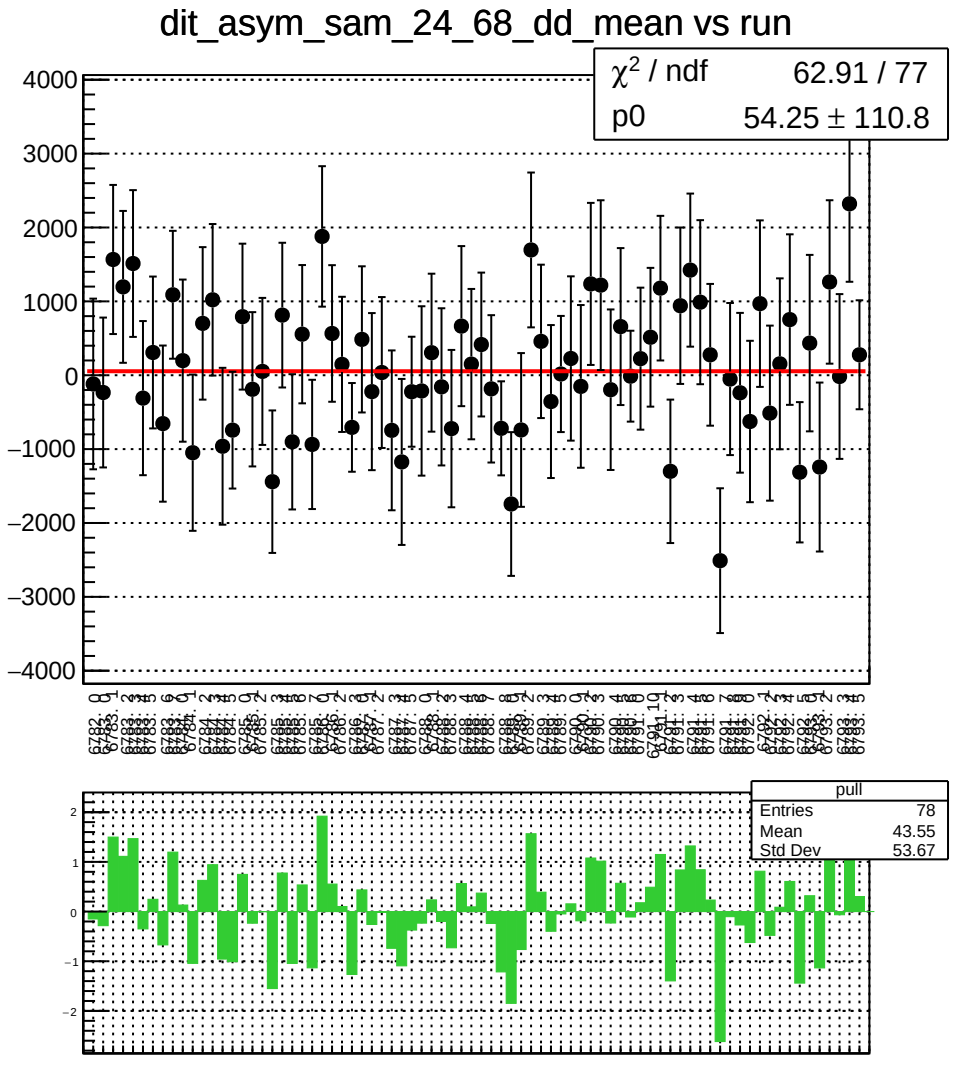

pull1D
Entries 78
Mean 0.01059
Std Dev 0.942
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

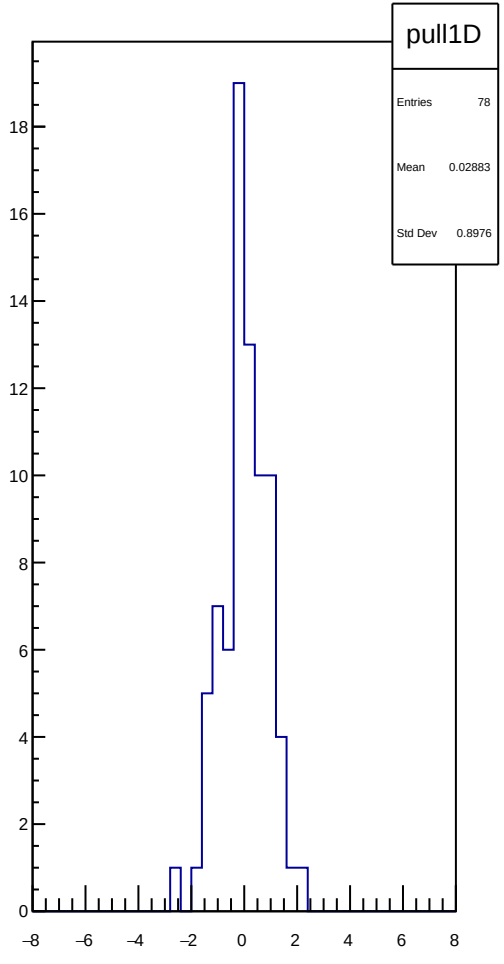

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1413 / 77
p0 412.9 ± 0.33
460
450
440
430
420
410
400
390
380

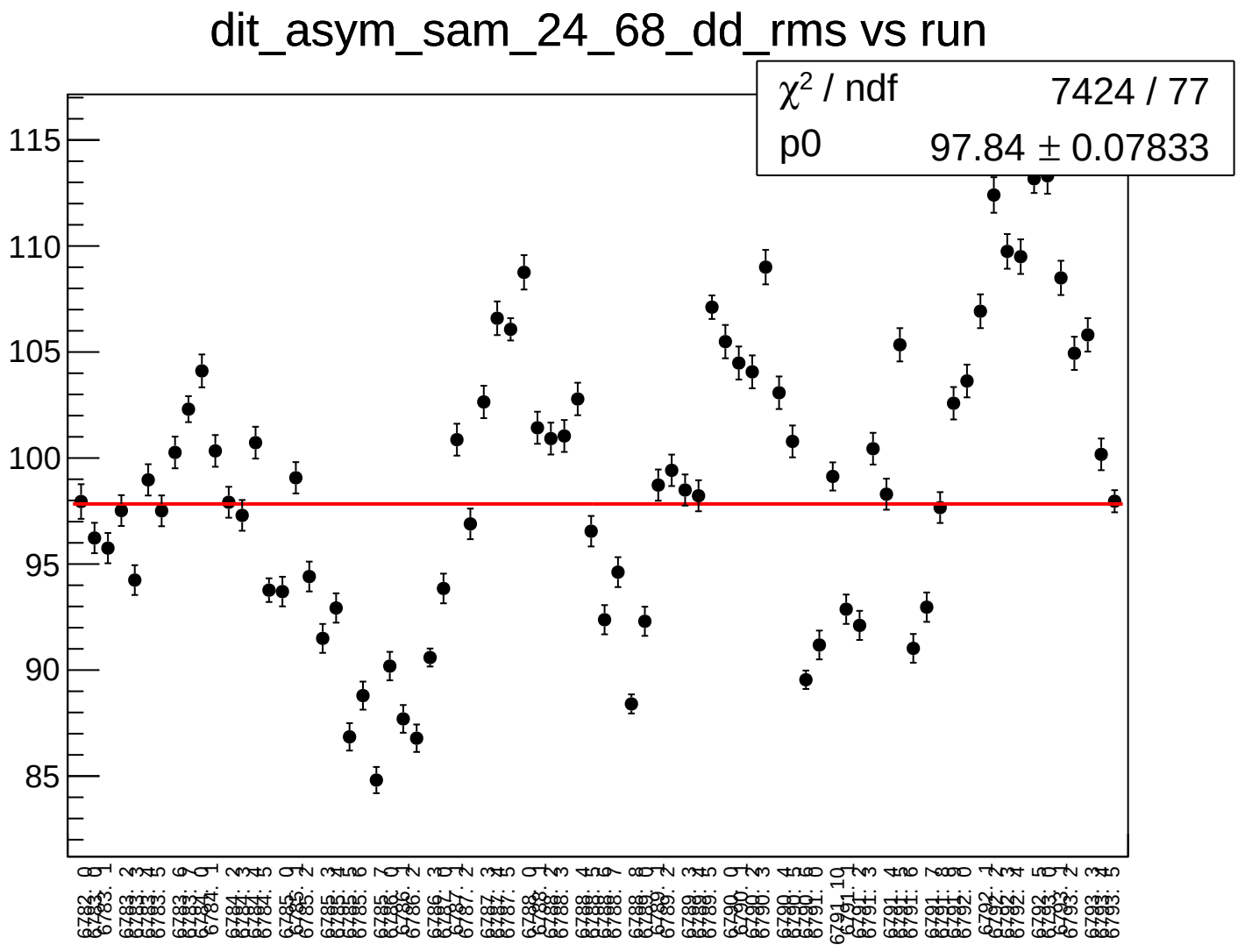

asym_sam_15_37_dd_mean vs run
χ² / ndf 69.18 / 77
p0 −1270 ± 470
pull
Entries 78
Mean −202.4
Std Dev 226.9

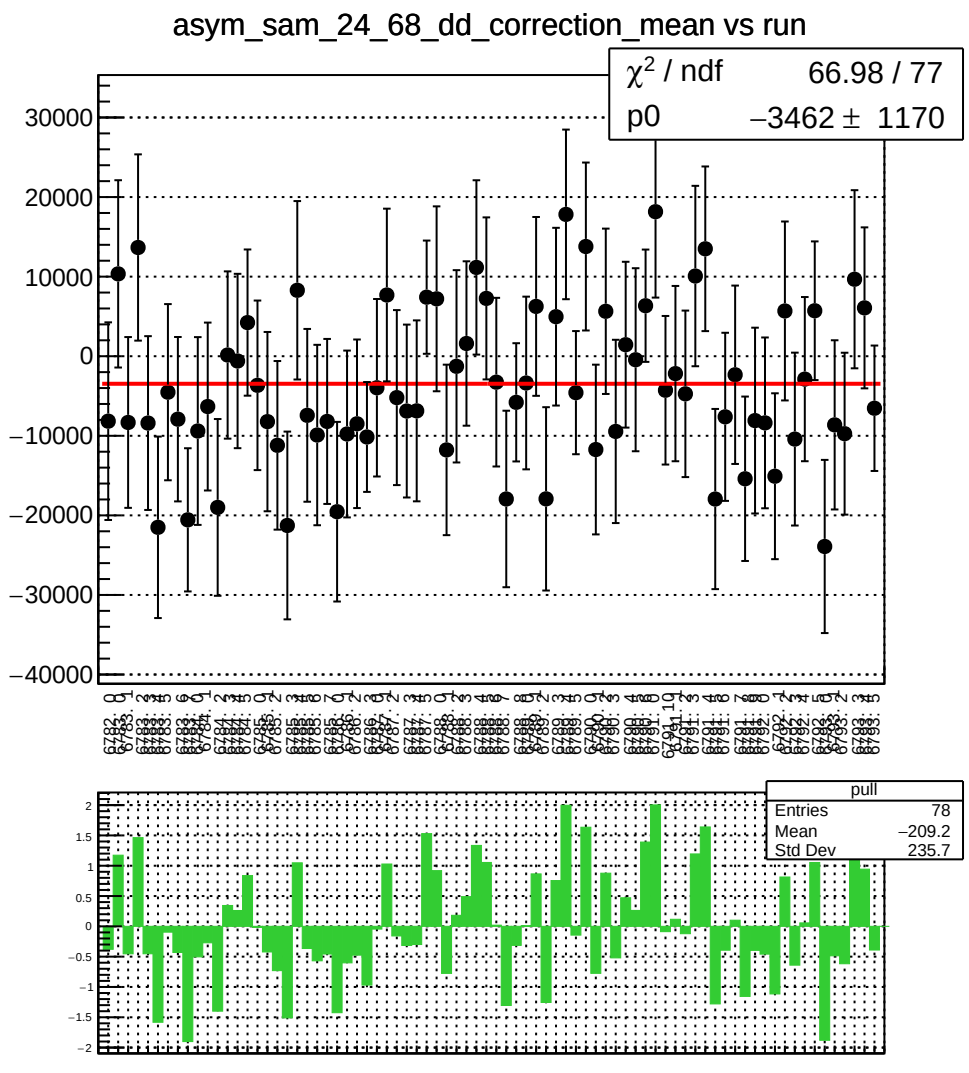

pull1D
Entries 78
Mean −0.009013
Std Dev 0.9417

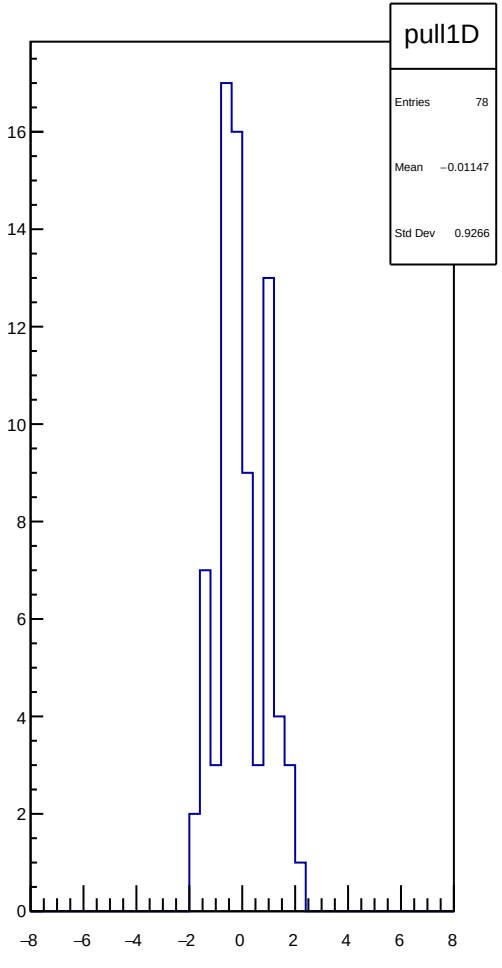

asym_sam_15_37_dd_rms vs run
χ² / ndf 2139 / 77
p0 415.8 ± 0.3324
460
440
420
400
380

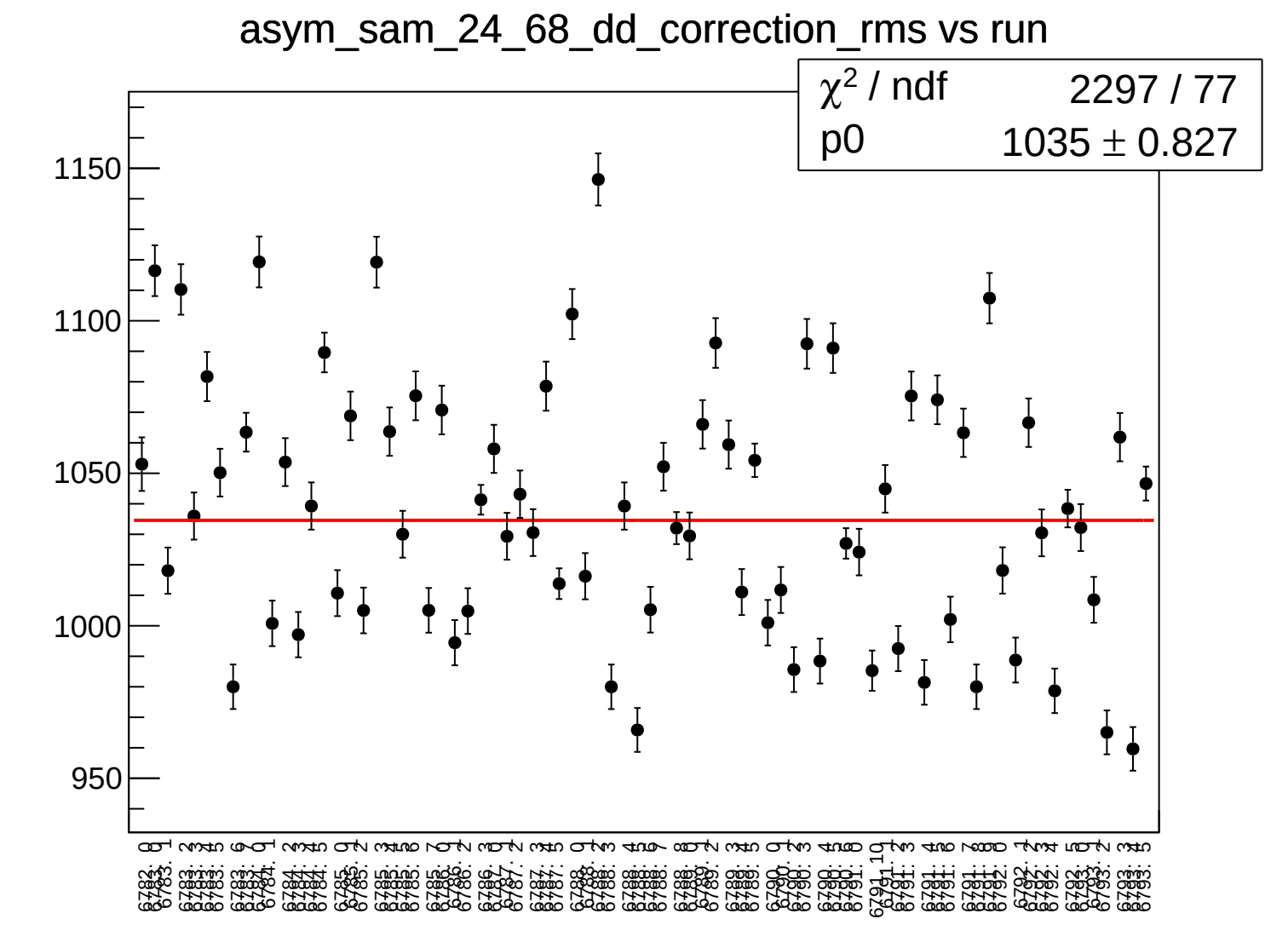

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 62.91 / 77
p0 54.25 ± 110.8
pull
Entries 78
Mean 43.55
Std Dev 53.67

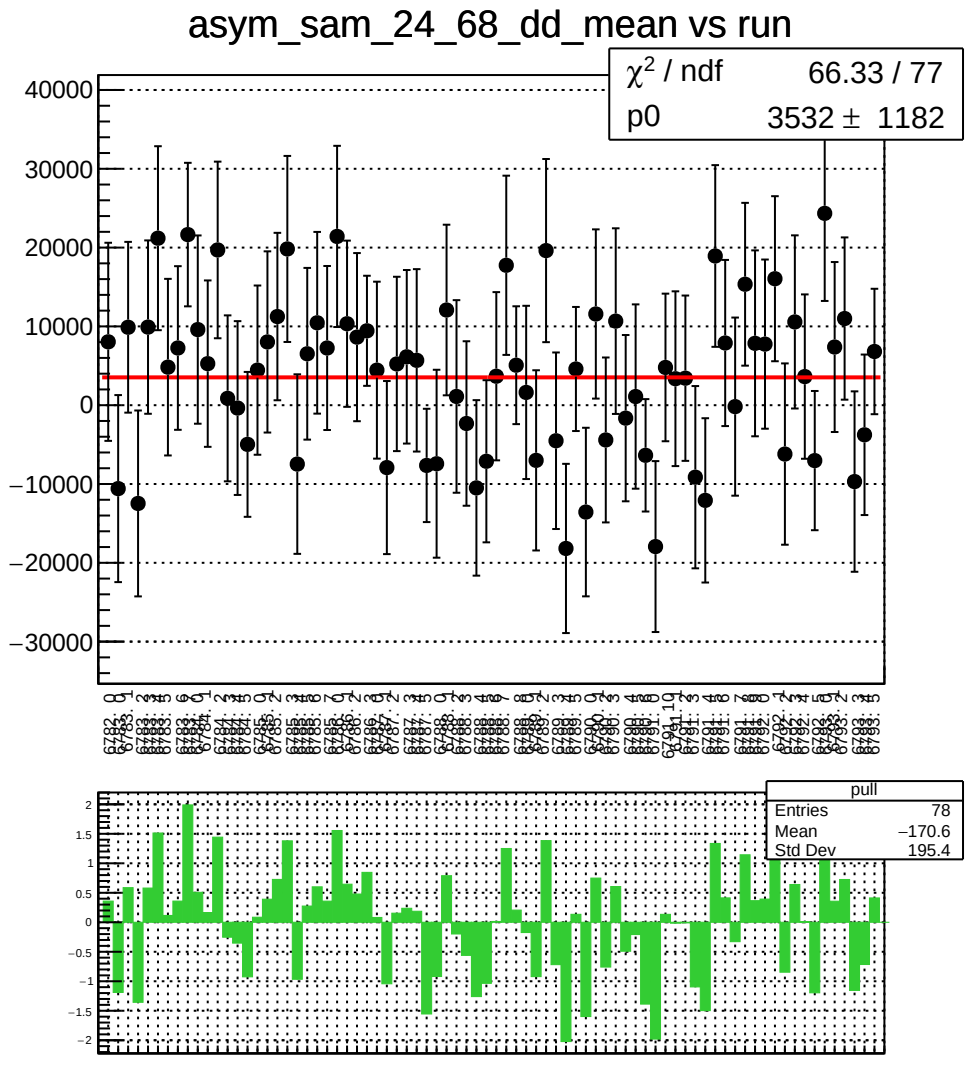

pull1D
Entries 78
Mean 0.02883
Std Dev 0.8976

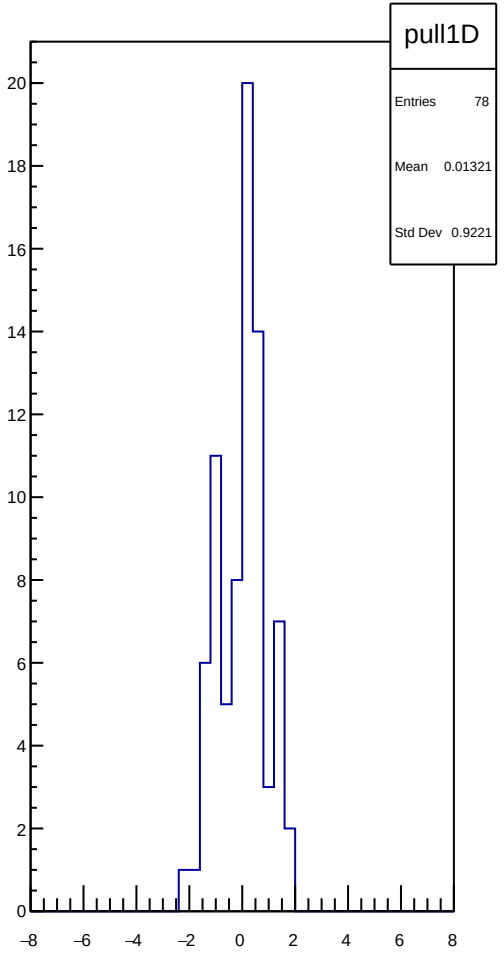

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 7424 / 77
p0 97.84 ± 0.07833
115
110
105
100
95
90
85

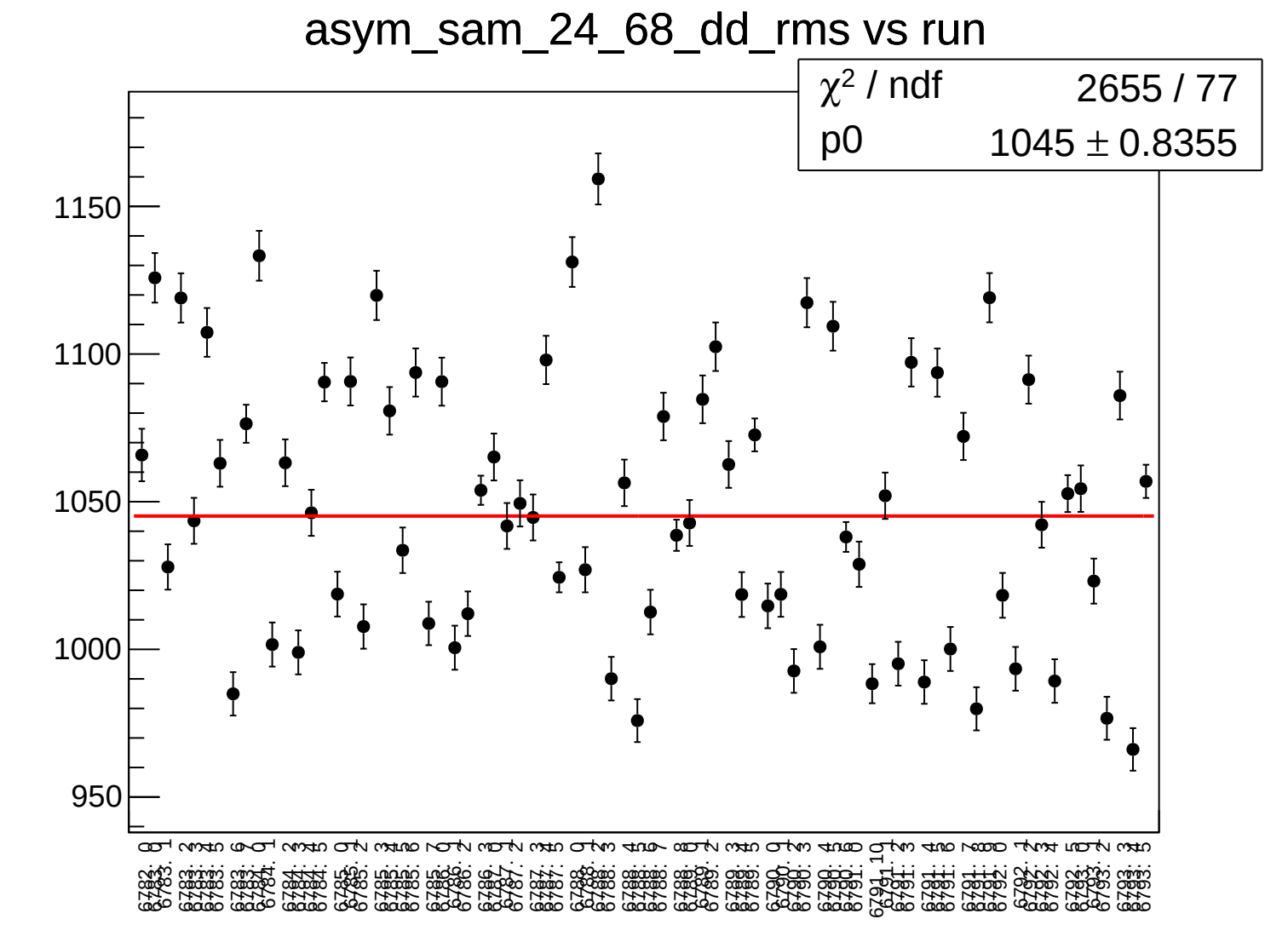

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 66.98 / 77
p0 −3462 ± 1170
pull
Entries 78
Mean −209.2
Std Dev 235.7

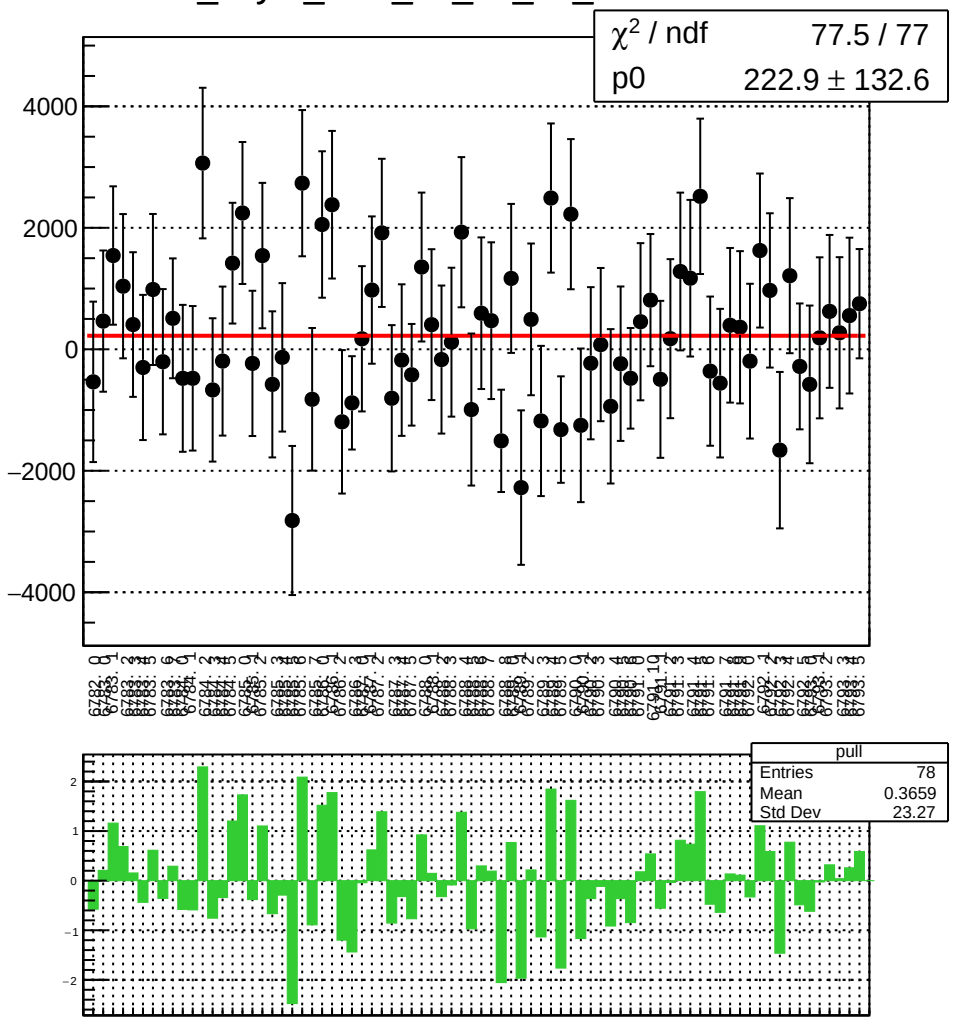

pull1D
Entries 78
Mean −0.01147
Std Dev 0.9266

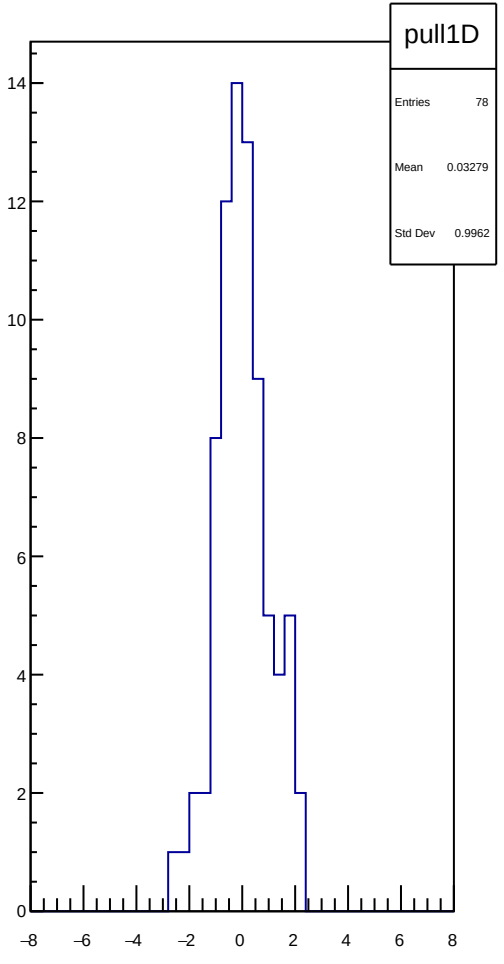

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2297 / 77
p0 1035 ± 0.827
1150
1100
1050
1000
950

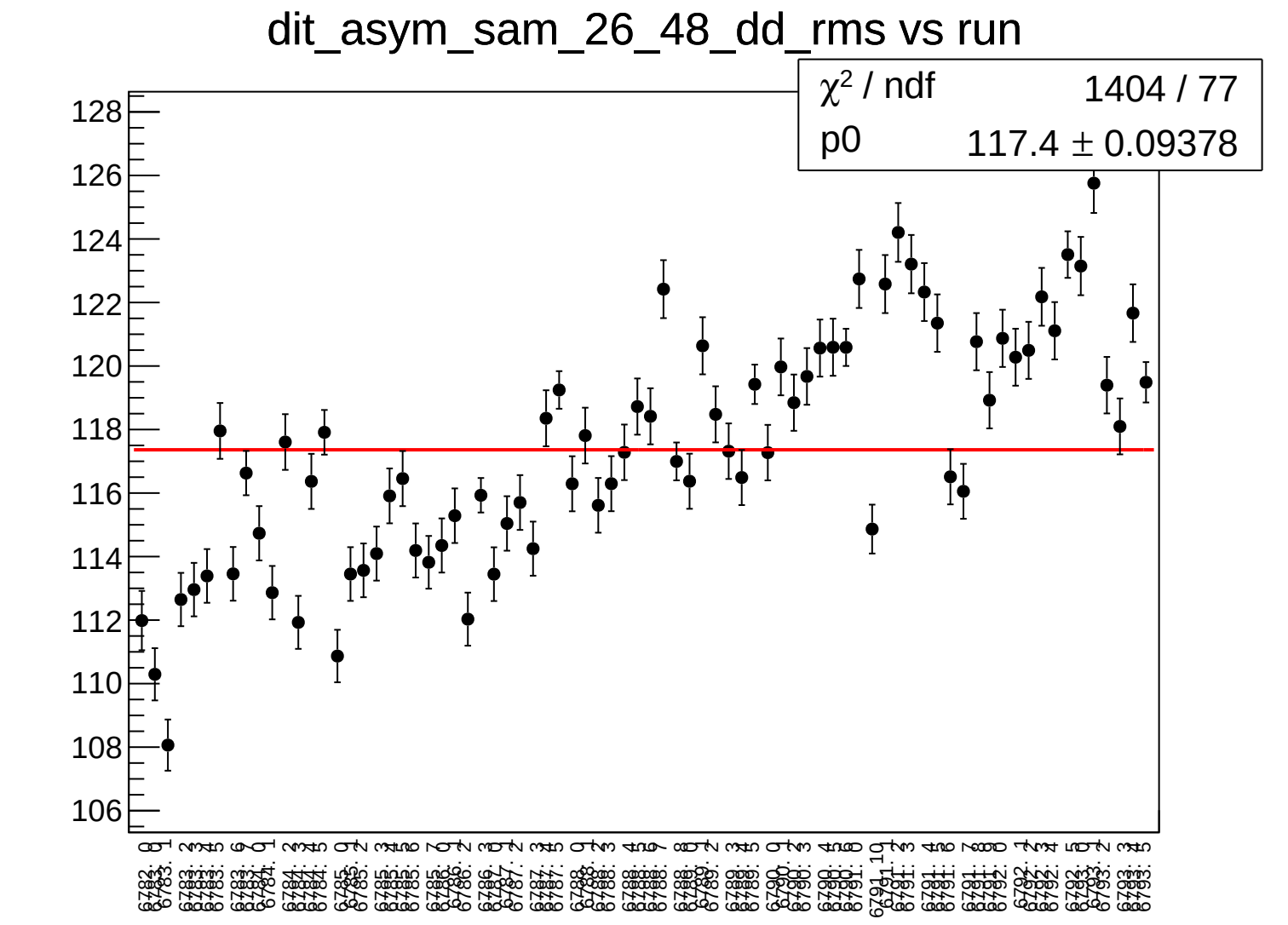

asym_sam_24_68_dd_mean vs run
χ² / ndf 66.33 / 77
p0 3532 ± 1182
pull
Entries 78
Mean −170.6
Std Dev 195.4

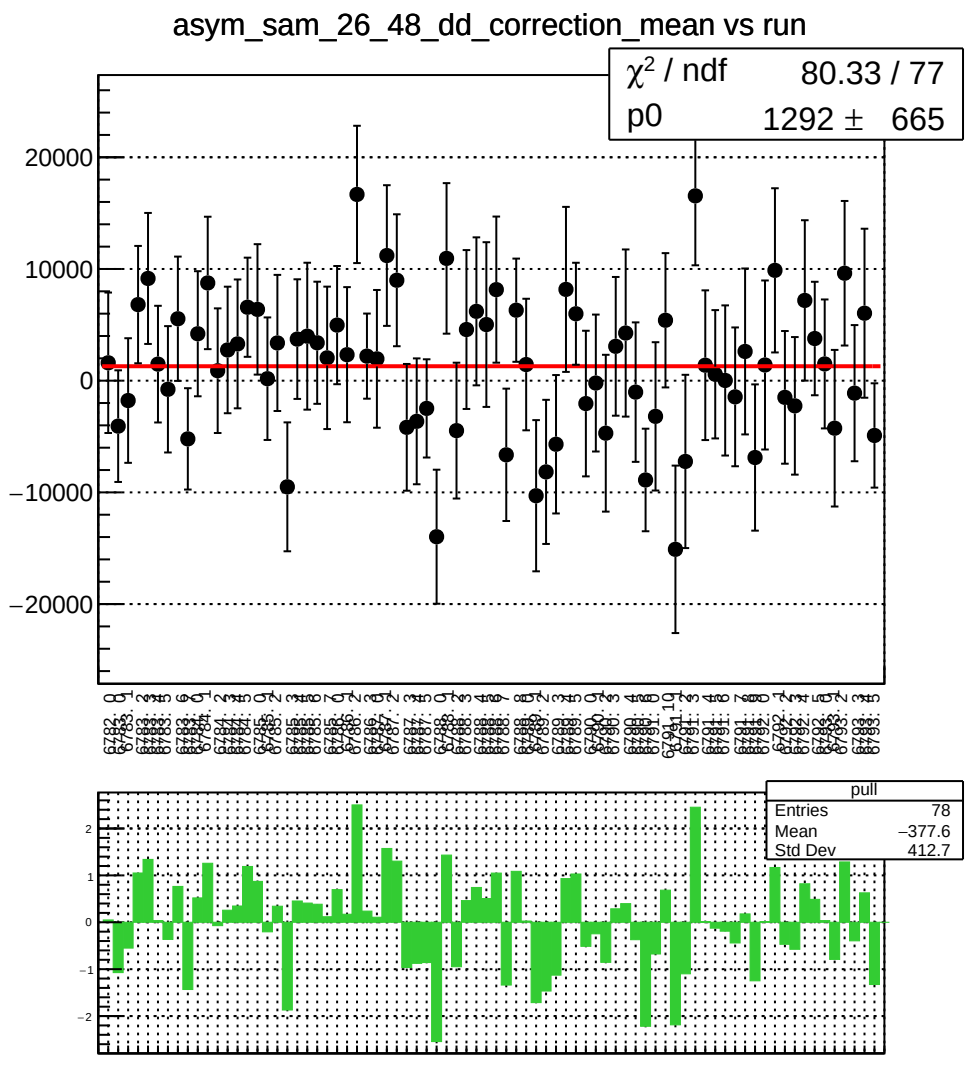

pull1D
Entries 78
Mean 0.01321
Std Dev 0.9221

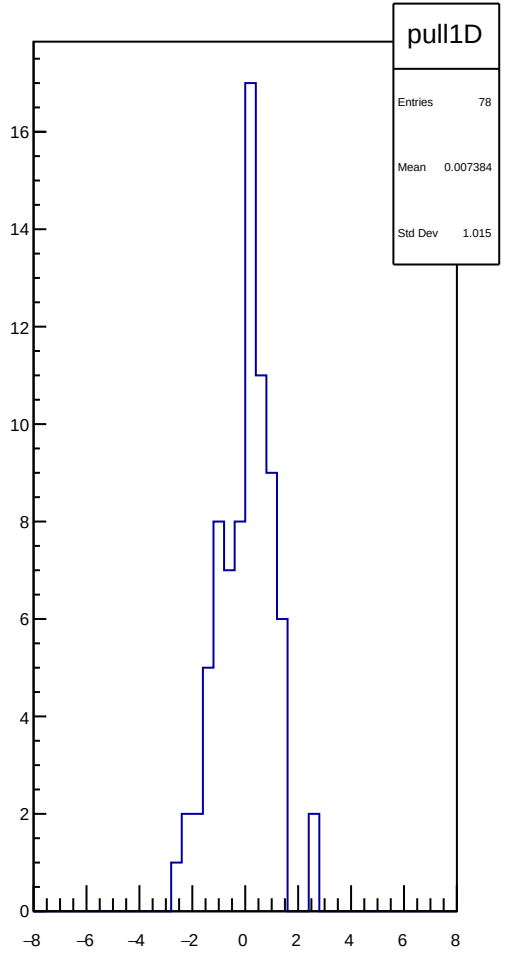

asym_sam_24_68_dd_rms vs run
χ² / ndf 2655 / 77
p0 1045 ± 0.8355
1150
1100
1050
1000
950

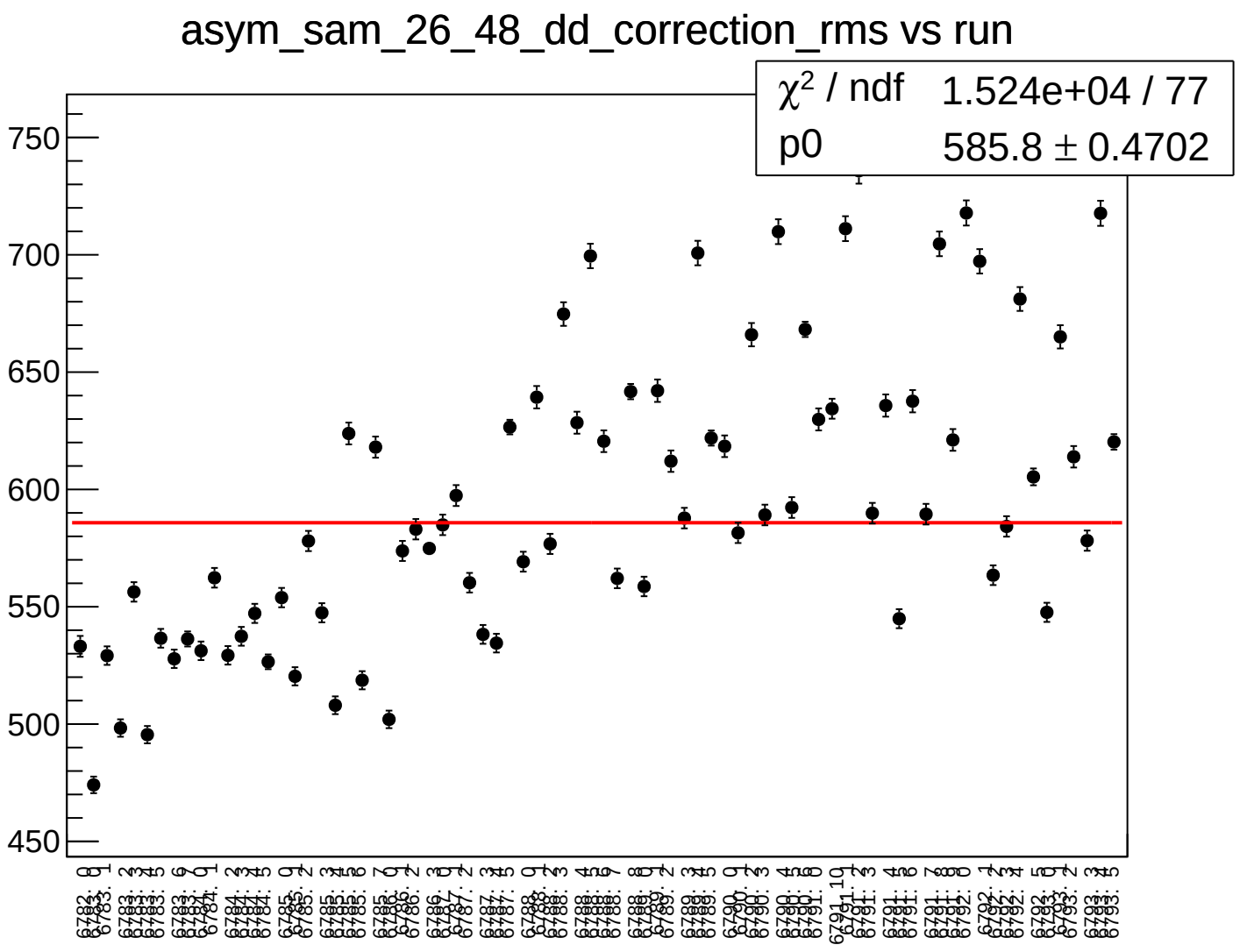

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 77.5 / 77
p0 222.9 ± 132.6
4000
2000
0
−2000
−4000
pull
Entries 78
Mean 0.3659
Std Dev 23.27
2
1
0
−1
−2

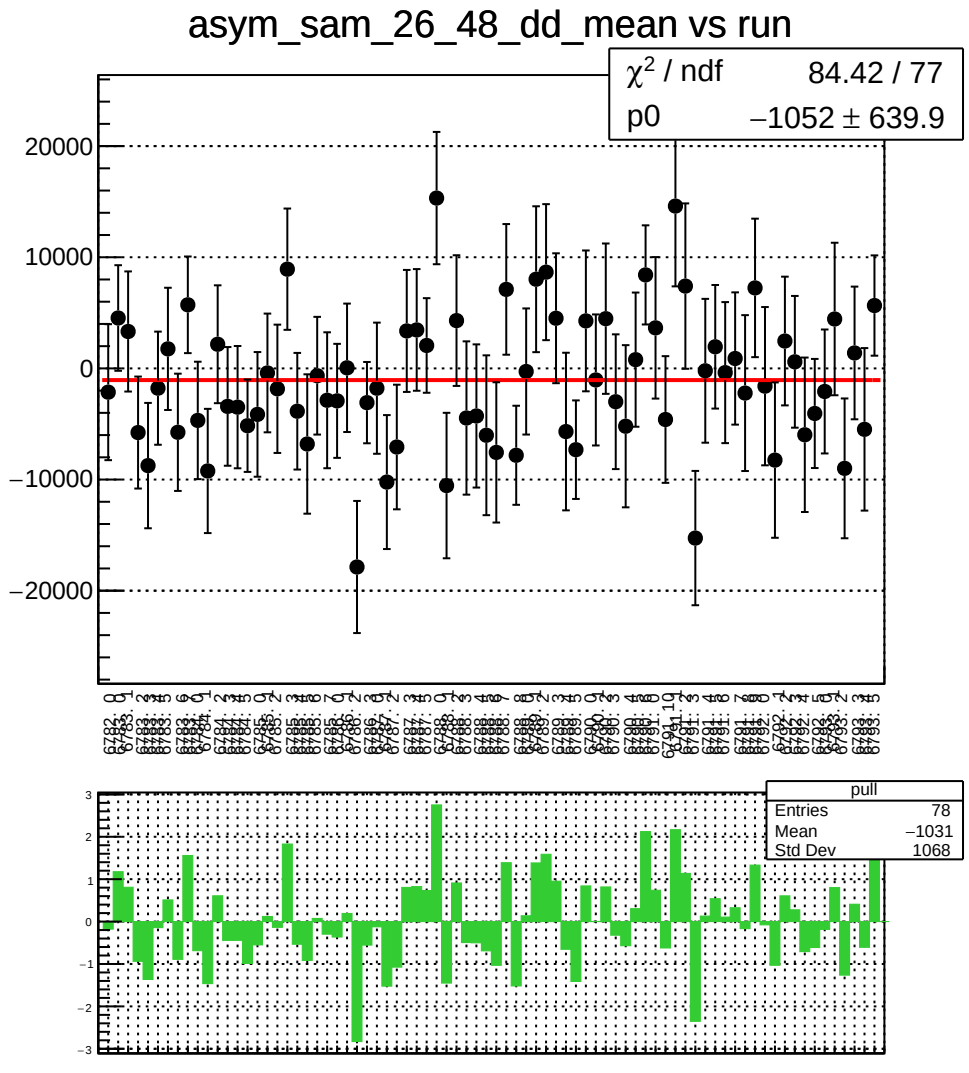

pull1D
Entries 78
Mean 0.03279
Std Dev 0.9962
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

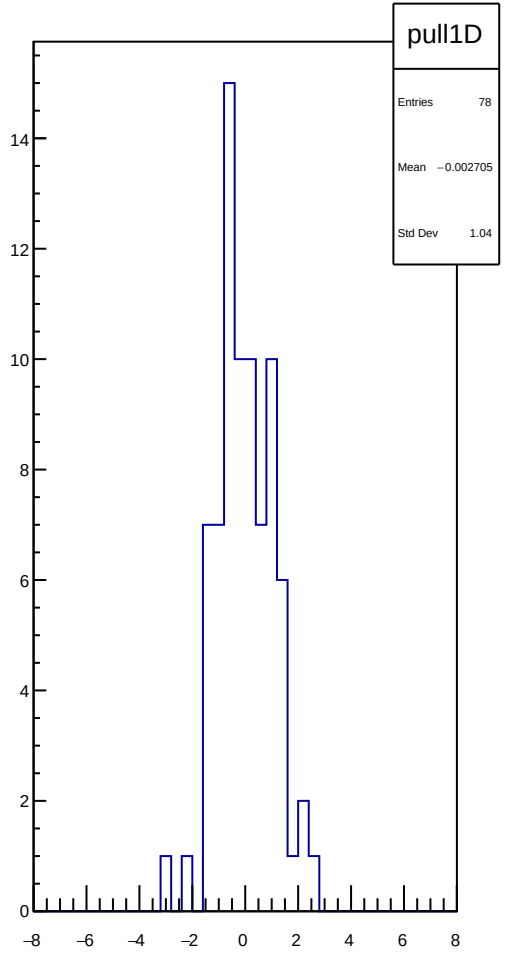

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1404 / 77
p0 117.4 ± 0.09378
128
126
124
122
120
118
116
114
112
110
108
106

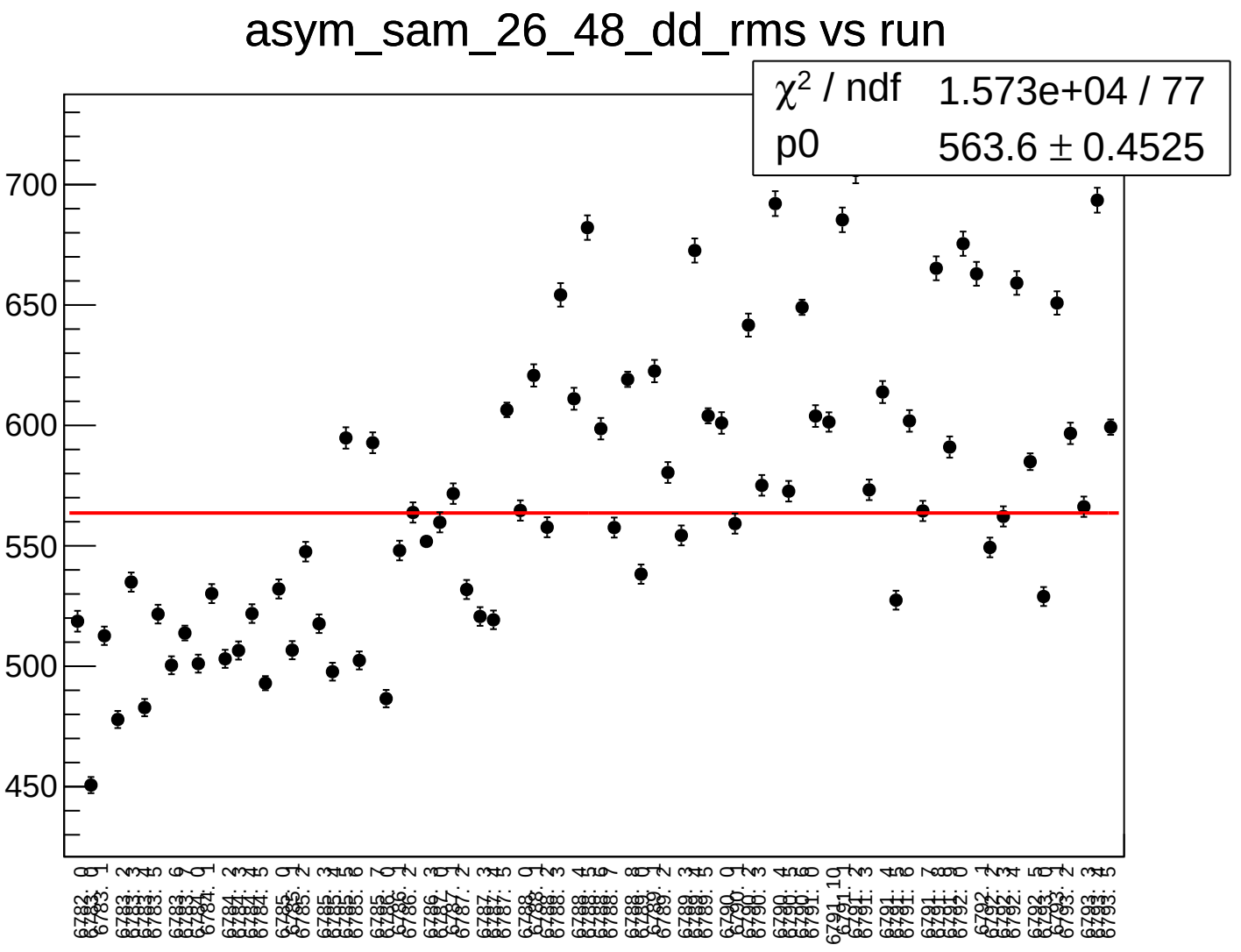

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 80.33 / 77
p0 1292 ± 665
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −377.6
Std Dev 412.7
2
1
0
−1
−2

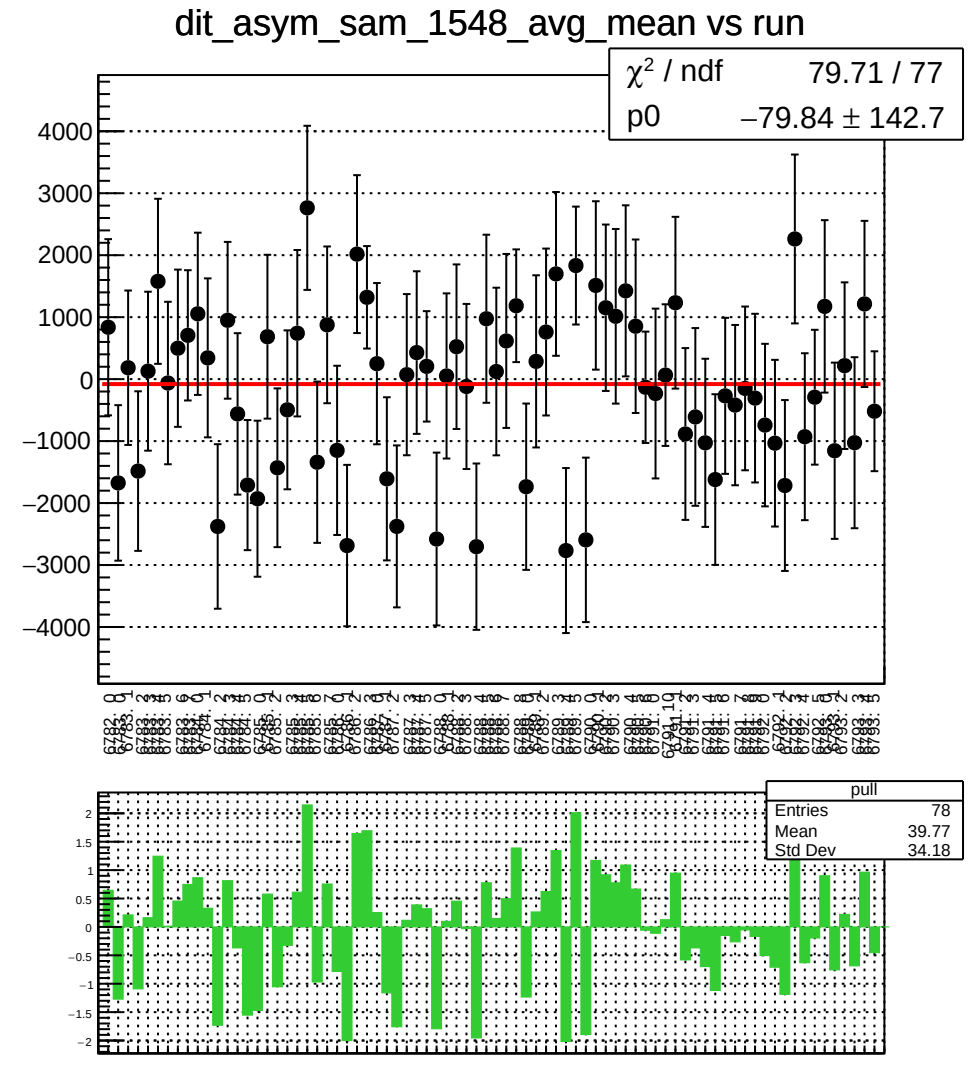

pull1D
Entries 78
Mean 0.007384
Std Dev 1.015
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

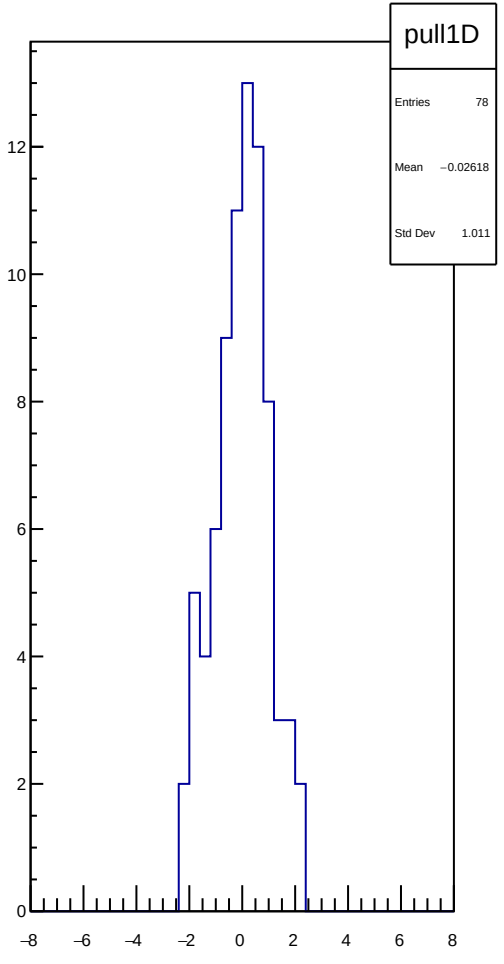

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.524e+04 / 77
p0 585.8 ± 0.4702
750
700
650
600
550
500
450

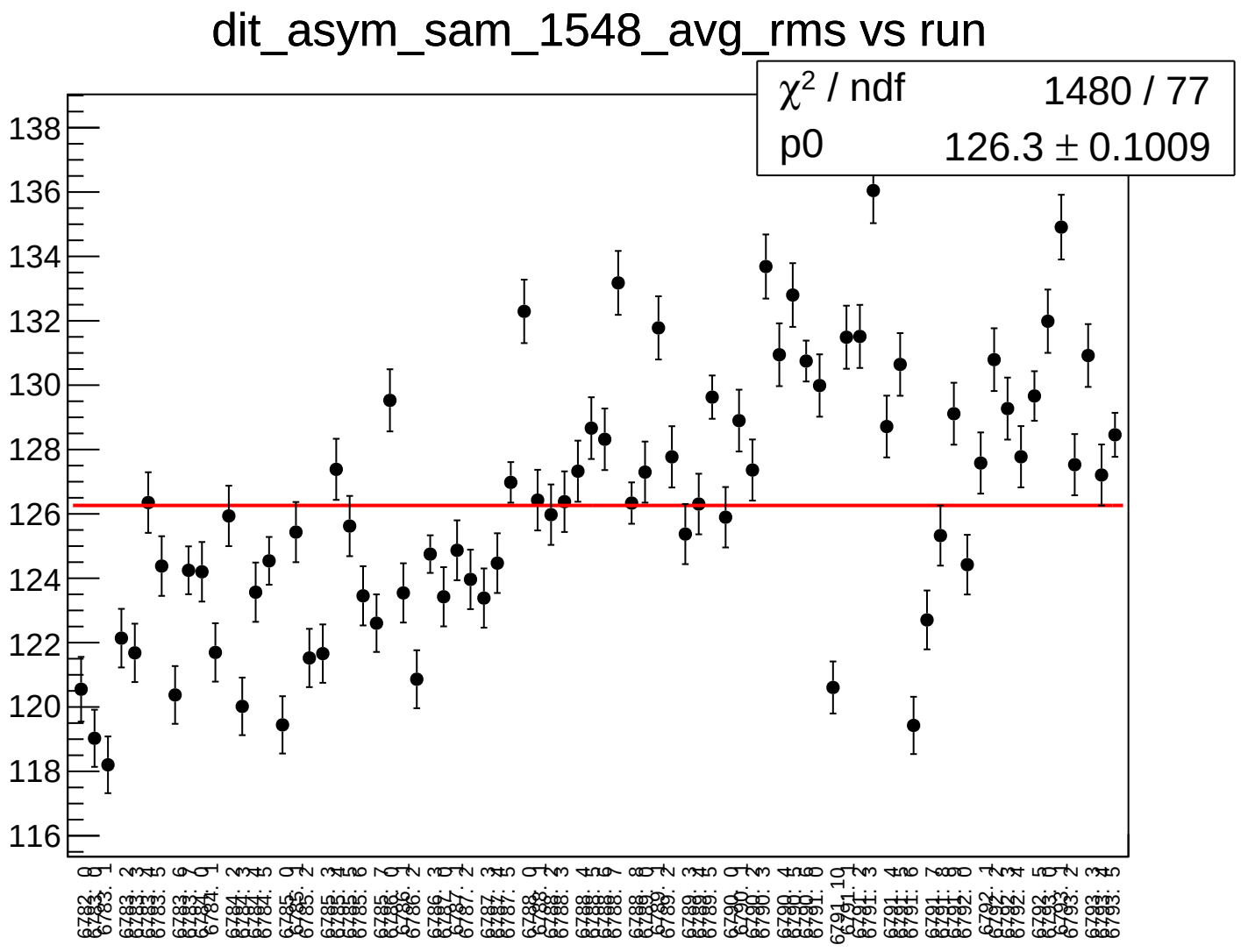

asym_sam_26_48_dd_mean vs run
χ² / ndf 84.42 / 77
p0 −1052 ± 639.9
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −1031
Std Dev 1068
3
2
1
0
−1
−2
−3

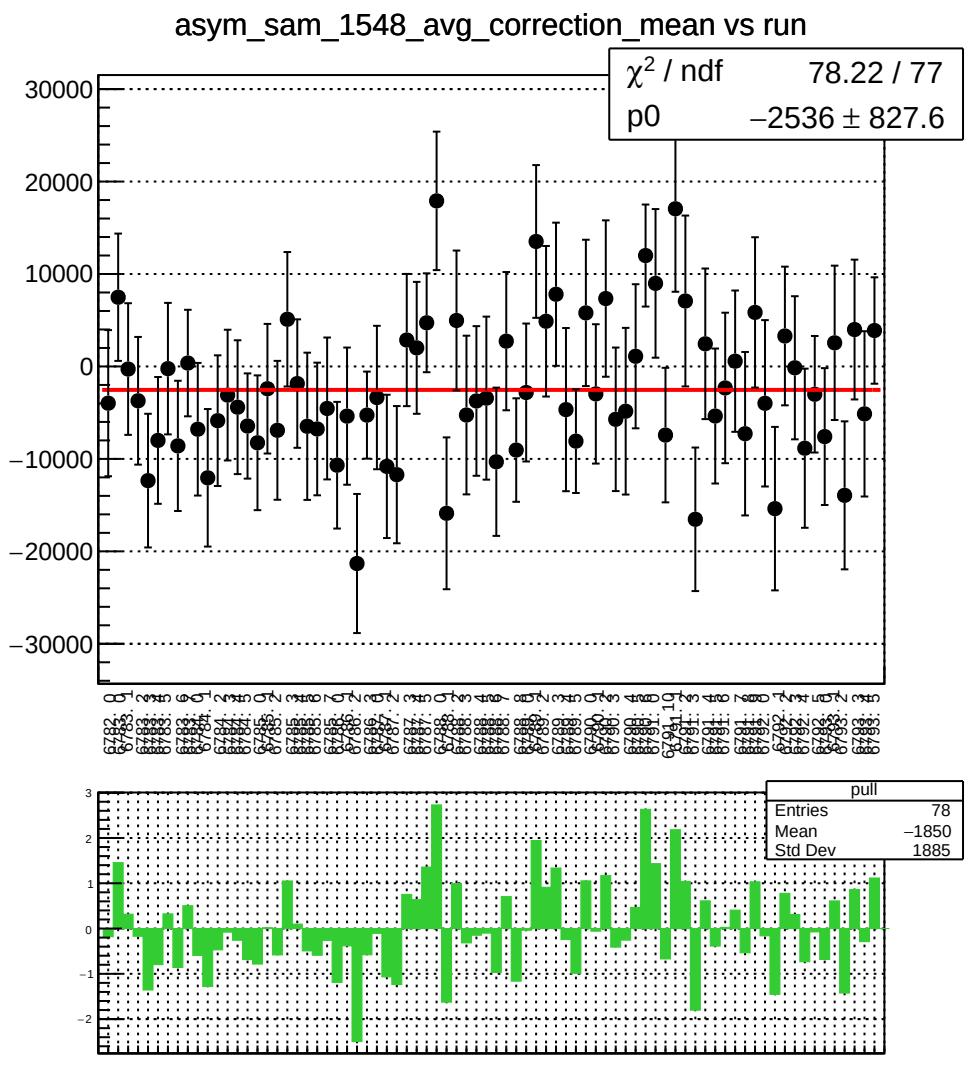

pull1D
Entries 78
Mean −0.002705
Std Dev 1.04
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

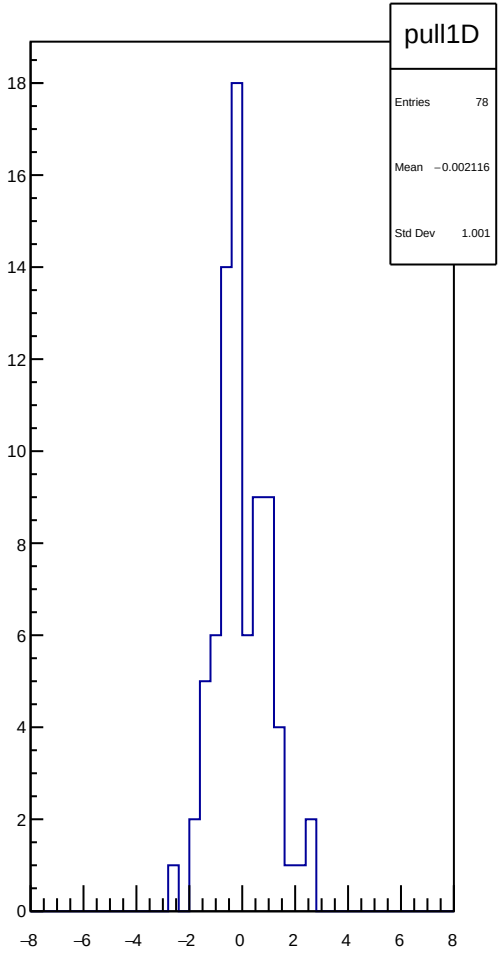

asym_sam_26_48_dd_rms vs run
χ² / ndf 1.573e+04 / 77
p0 563.6 ± 0.4525
700
650
600
550
500
450

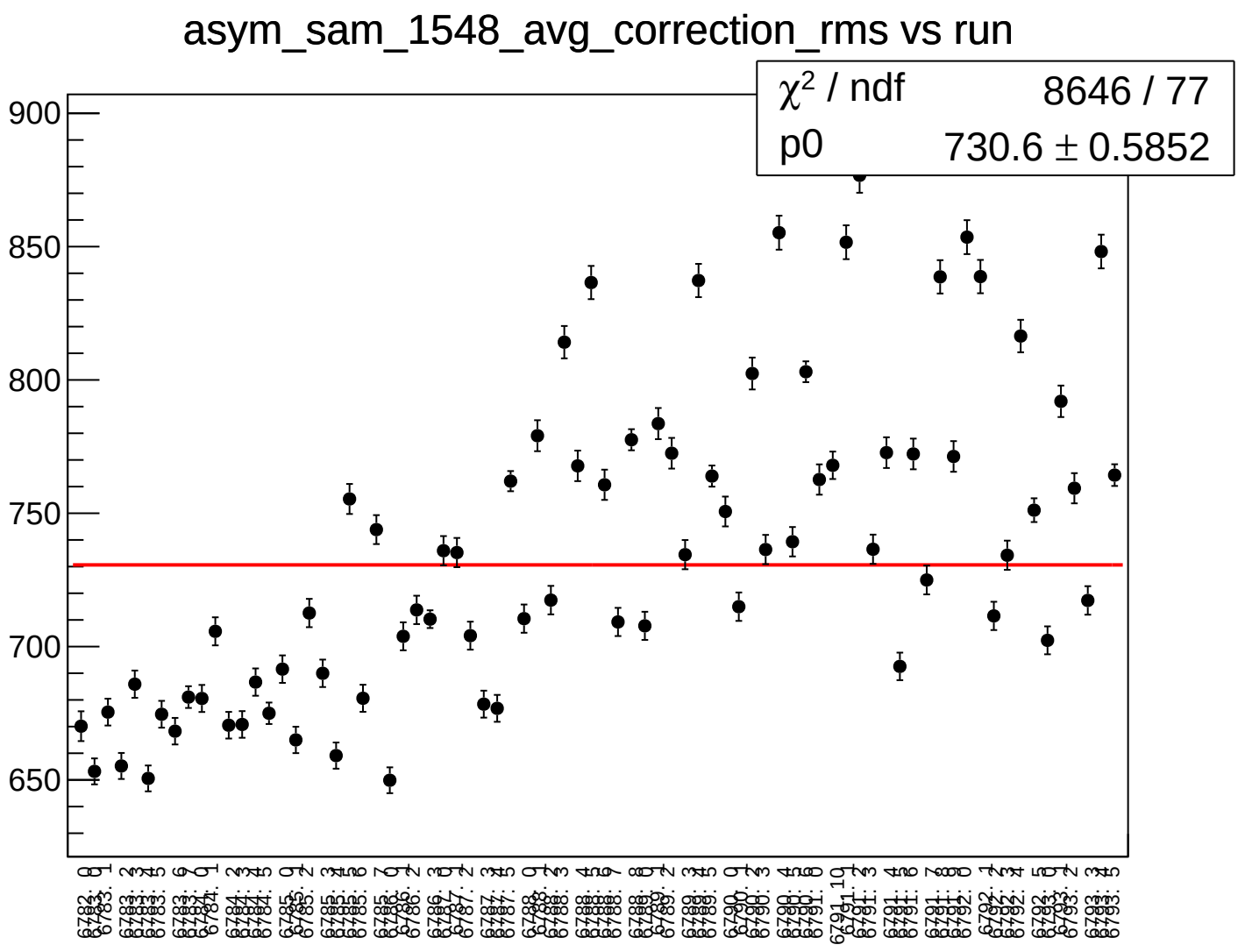

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 79.71 / 77
p0 −79.84 ± 142.7
pull
Entries 78
Mean 39.77
Std Dev 34.18

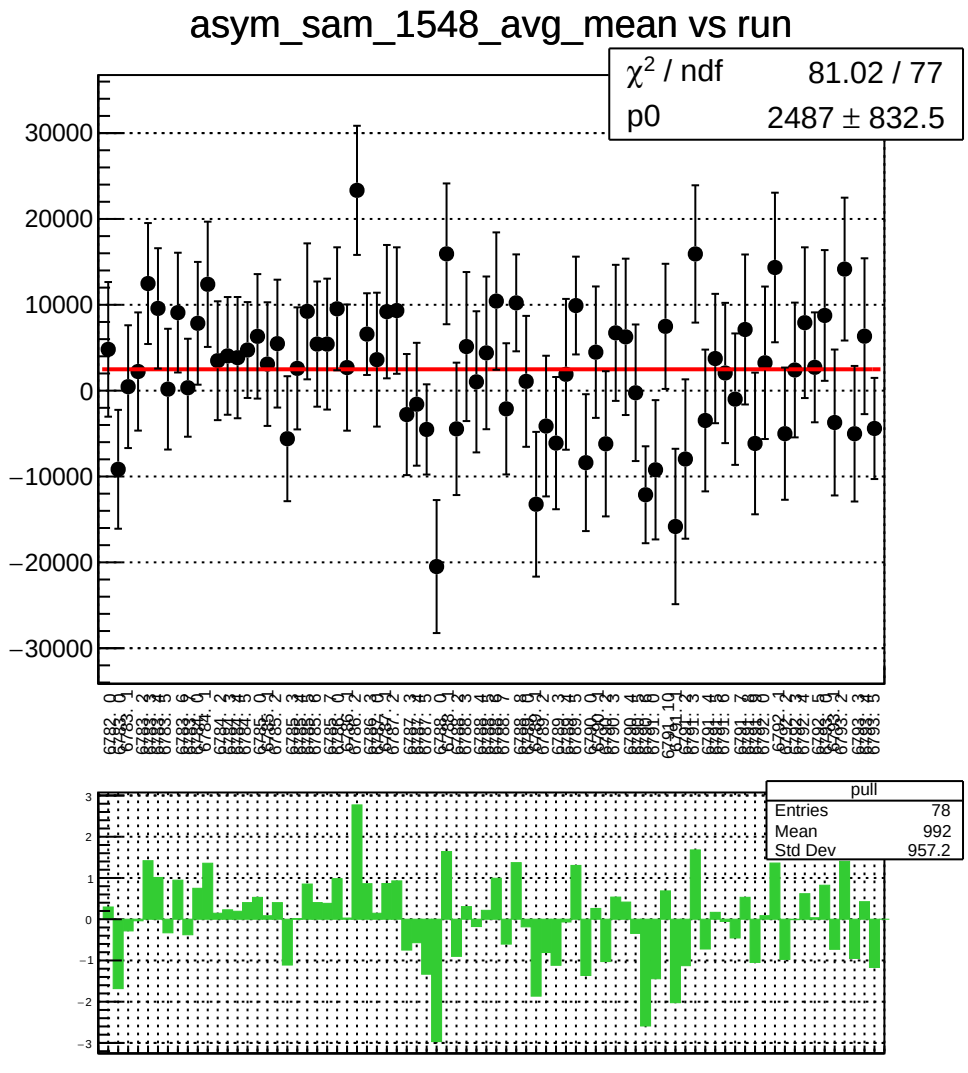

pull1D
Entries 78
Mean −0.02618
Std Dev 1.011

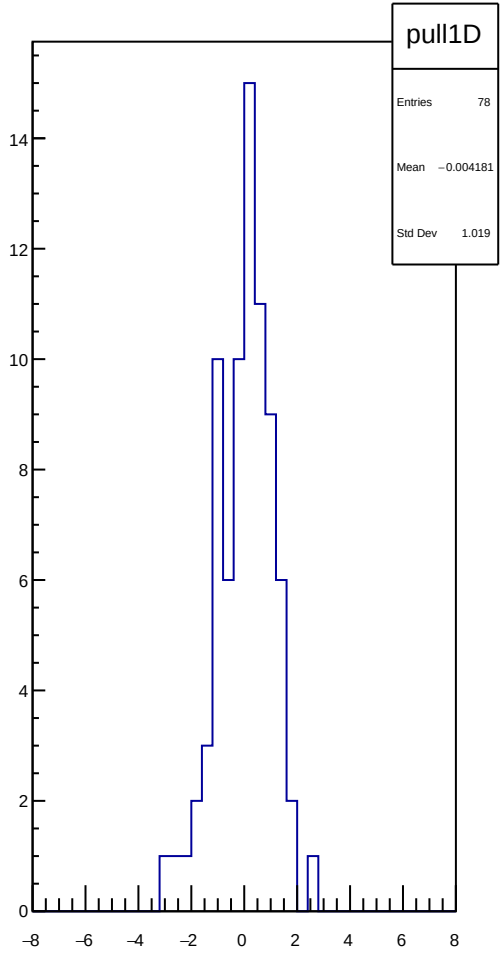

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 1480 / 77
p0 126.3 ± 0.1009
138
136
134
132
130
128
126
124
122
120
118
116

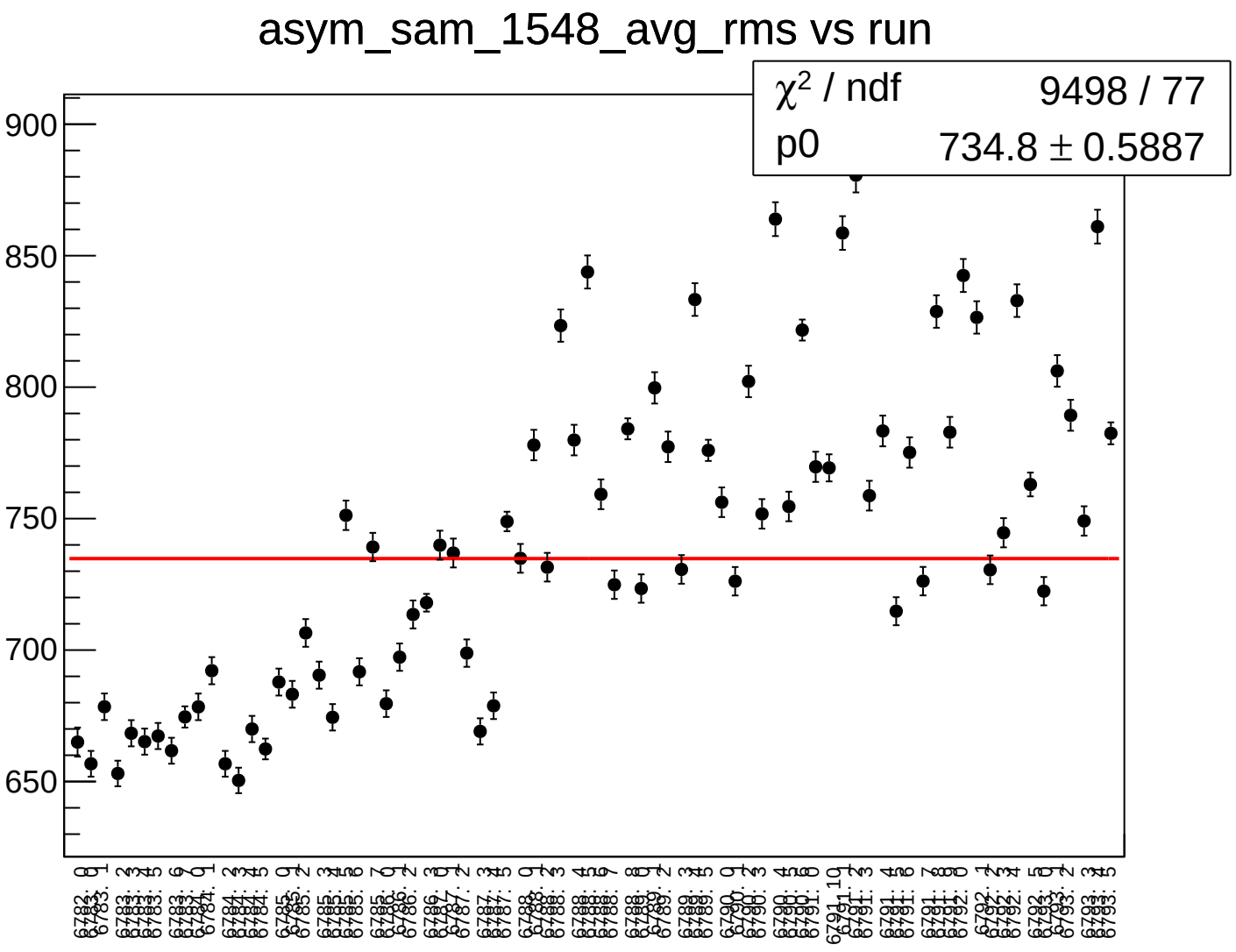

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 78.22 / 77
p0 −2536 ± 827.6
pull
Entries 78
Mean −1850
Std Dev 1885

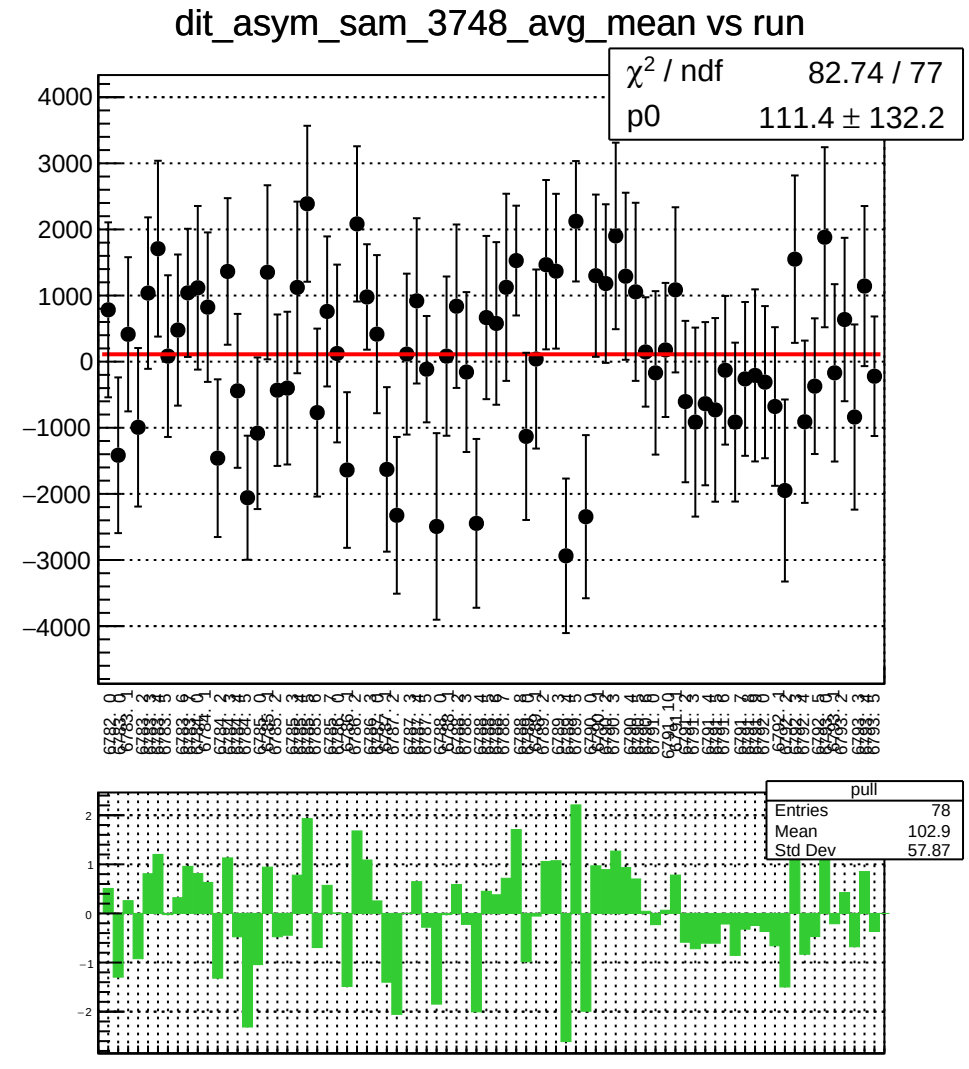

pull1D
Entries 78
Mean −0.002116
Std Dev 1.001

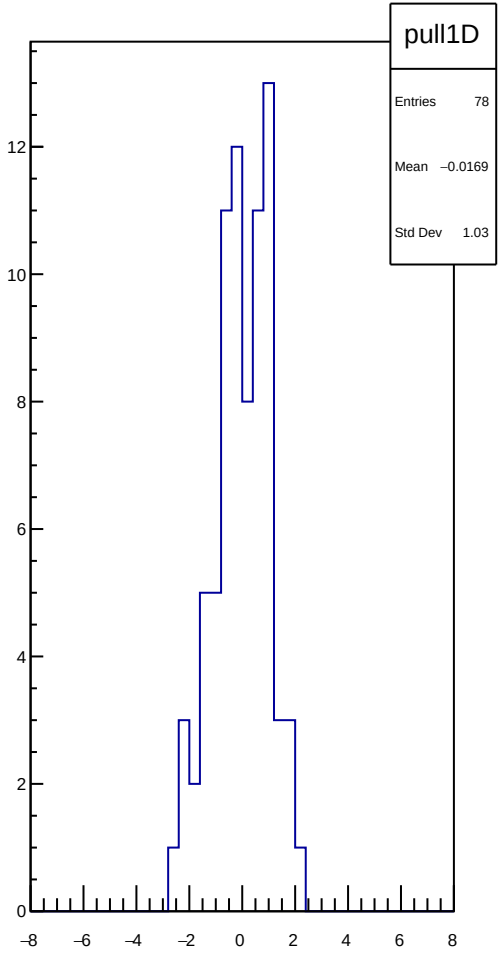

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 8646 / 77
p0 730.6 ± 0.5852
900
850
800
750
700
650

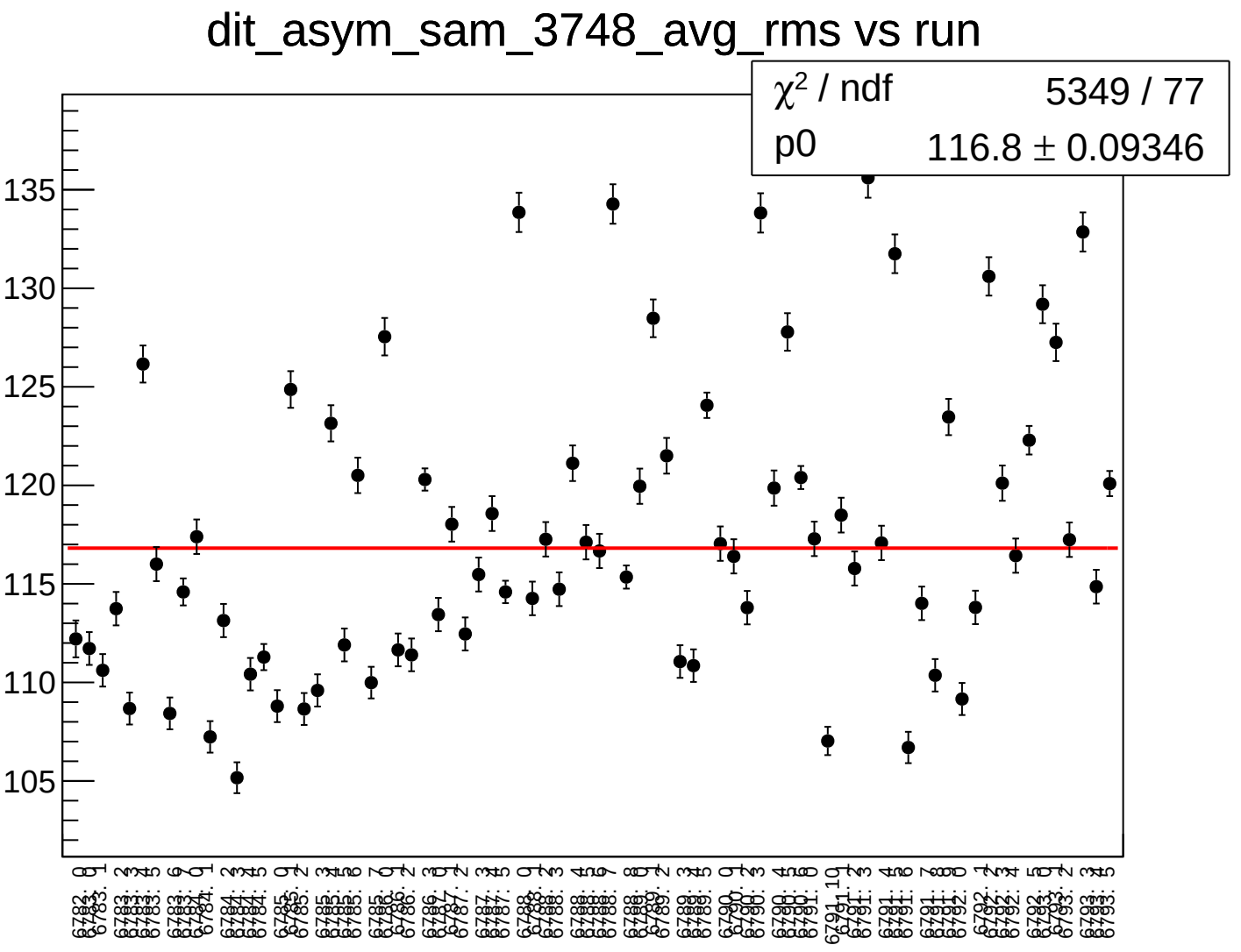

asym_sam_1548_avg_mean vs run
χ² / ndf 81.02 / 77
p0 2487 ± 832.5
pull
Entries 78
Mean 992
Std Dev 957.2

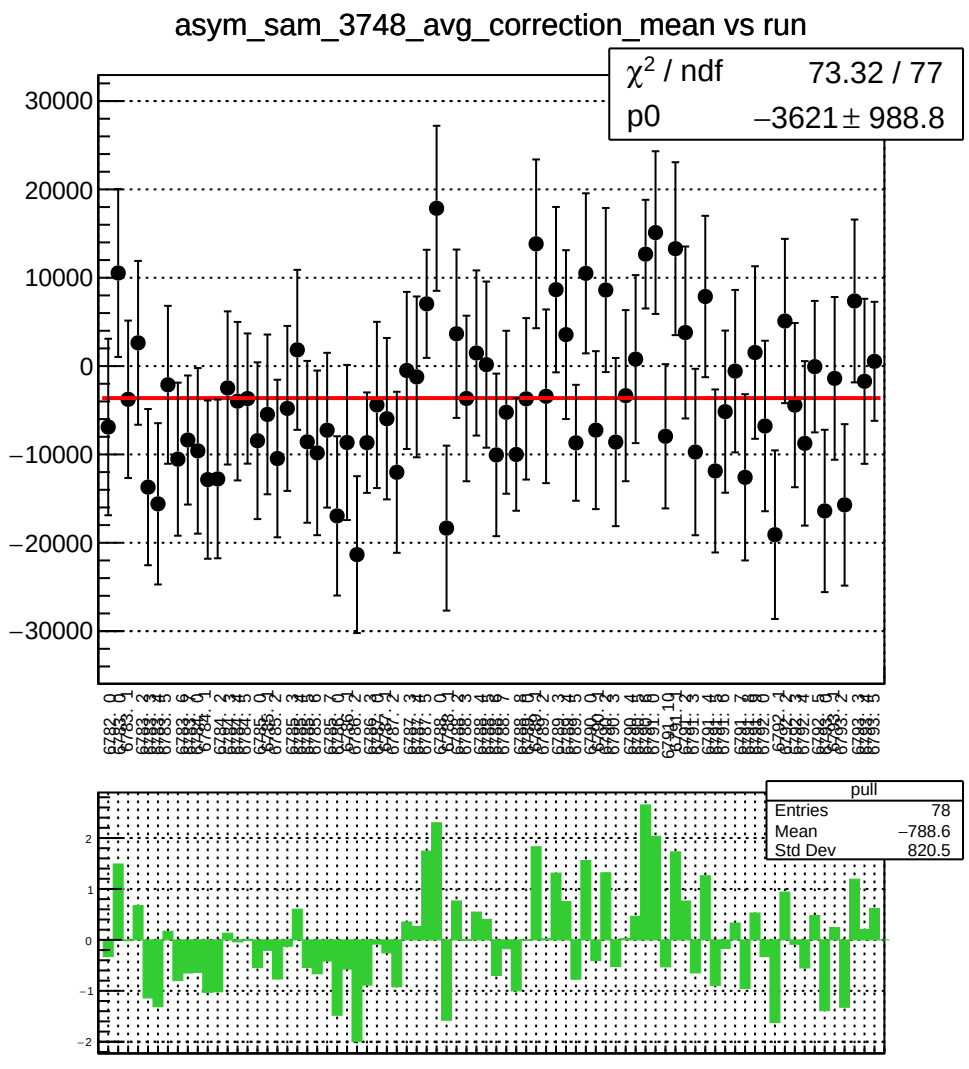

pull1D
Entries 78
Mean −0.004181
Std Dev 1.019

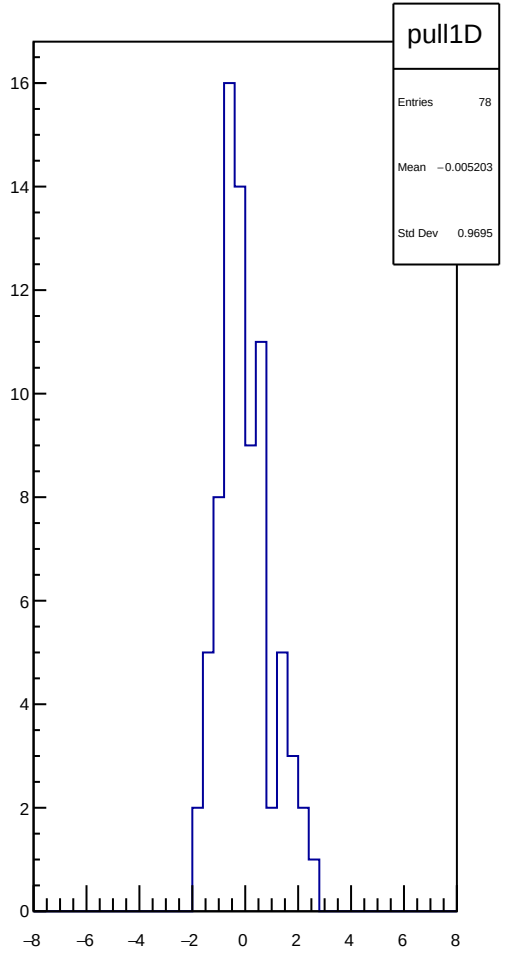

asym_sam_1548_avg_rms vs run
χ^2 / ndf 9498 / 77
p0 734.8 ± 0.5887
900
850
800
750
700
650

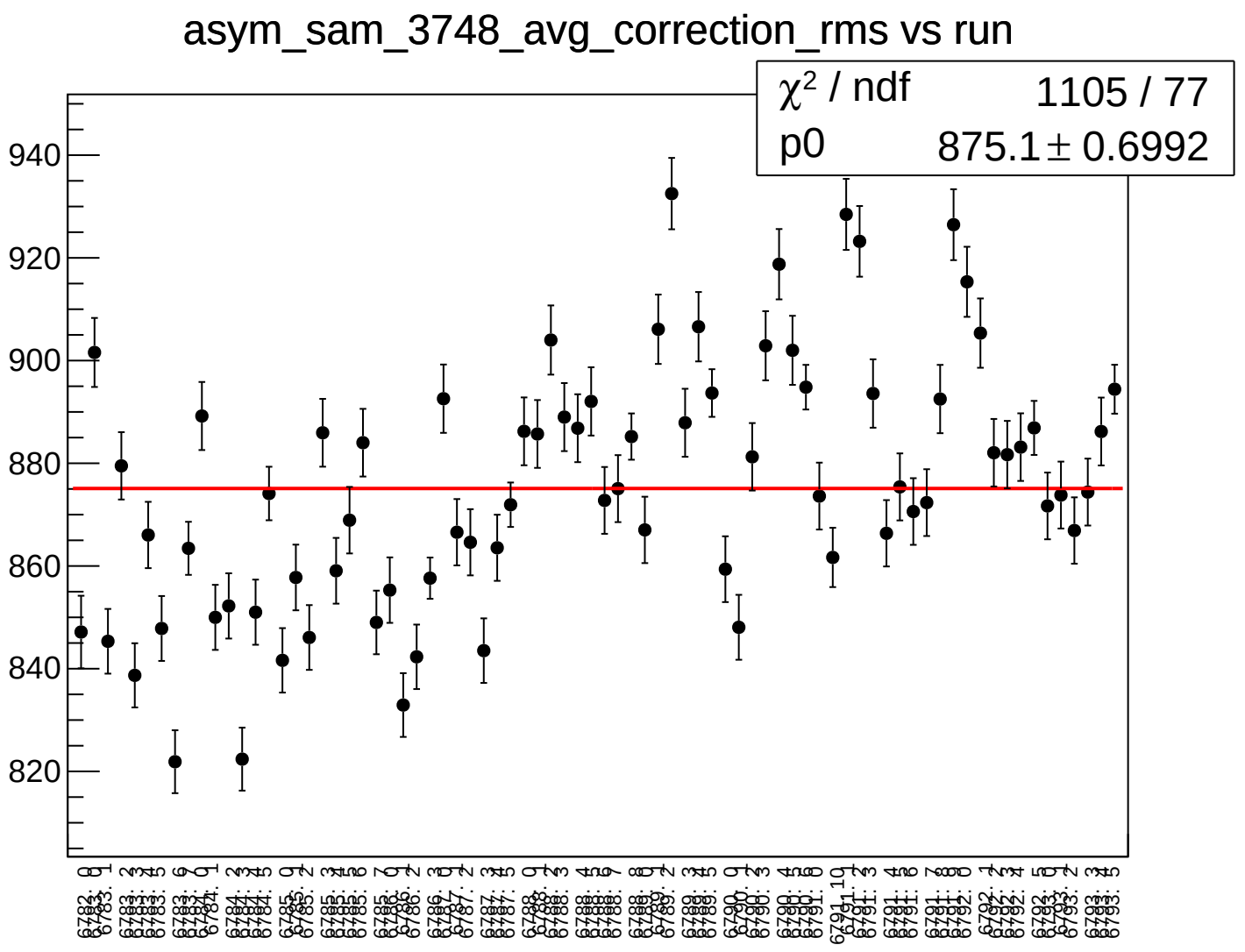

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 82.74 / 77
p0 111.4 ± 132.2
pull
Entries 78
Mean 102.9
Std Dev 57.87

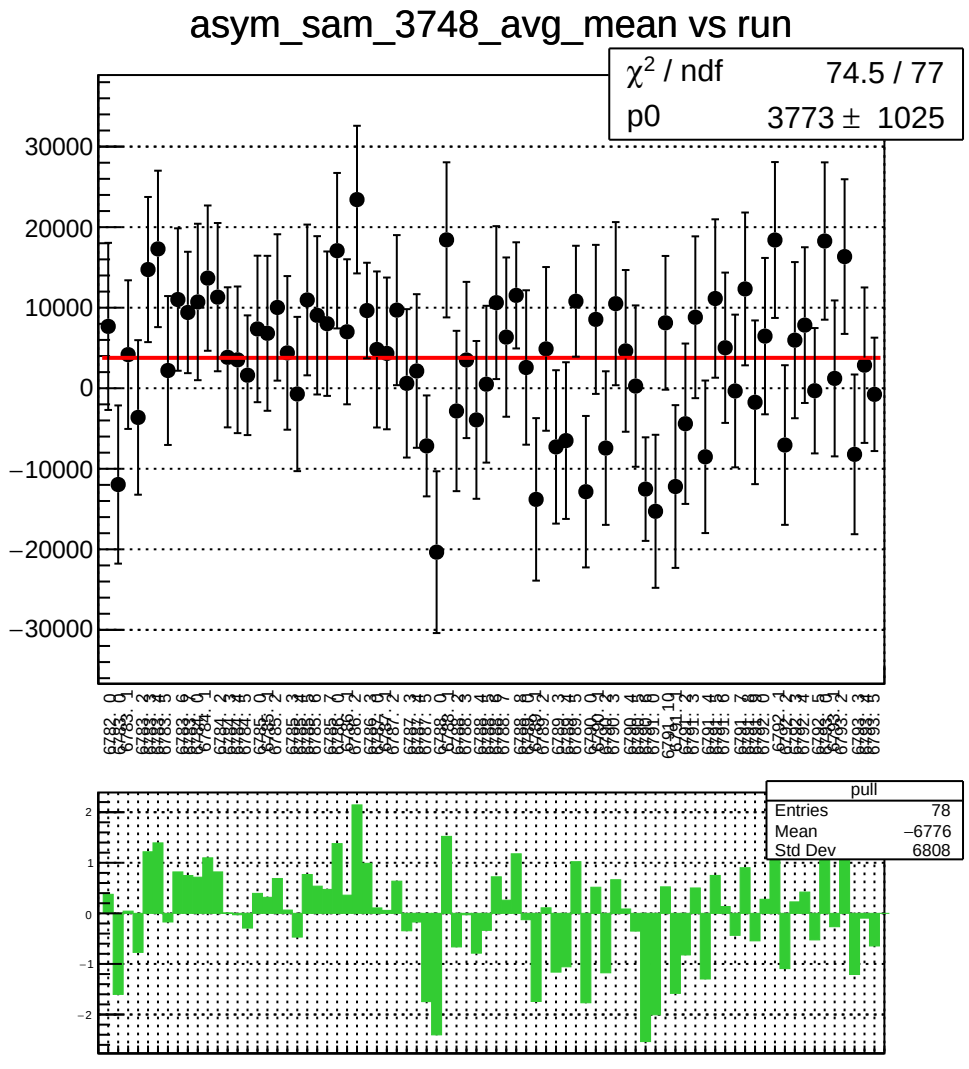

pull1D
Entries 78
Mean −0.0169
Std Dev 1.03

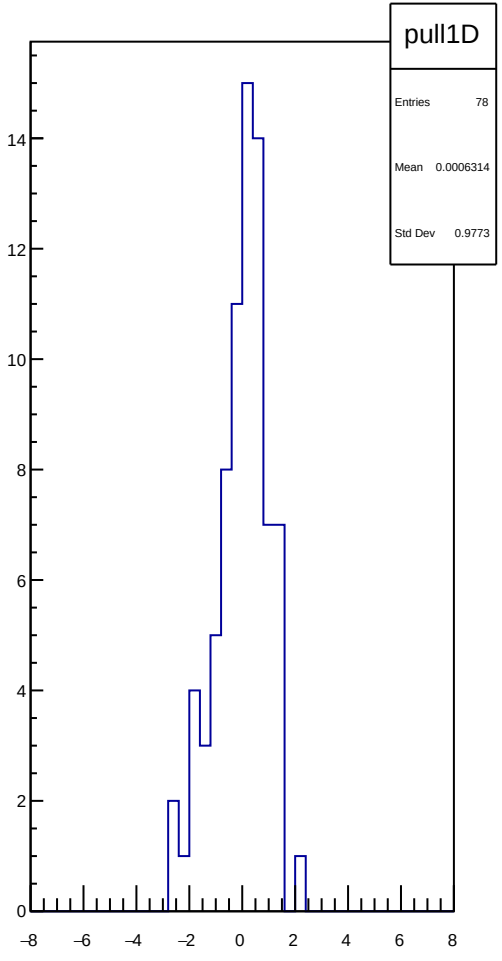

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 5349 / 77
p0 116.8 ± 0.09346
135
130
125
120
115
110
105

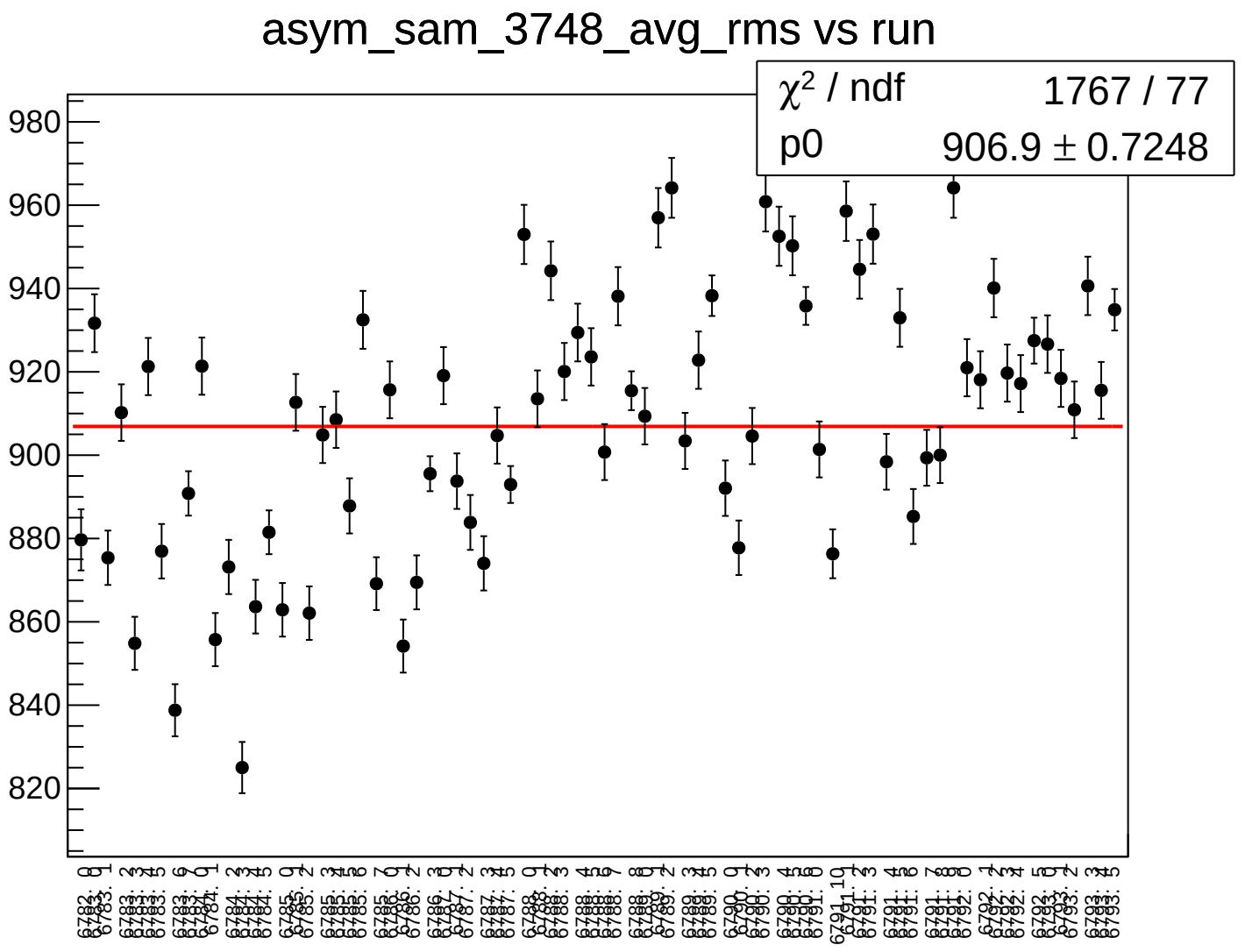

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 73.32 / 77
p0 −3621 ± 988.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 78
Mean −788.6
Std Dev 820.5
2
1
0
−1
−2

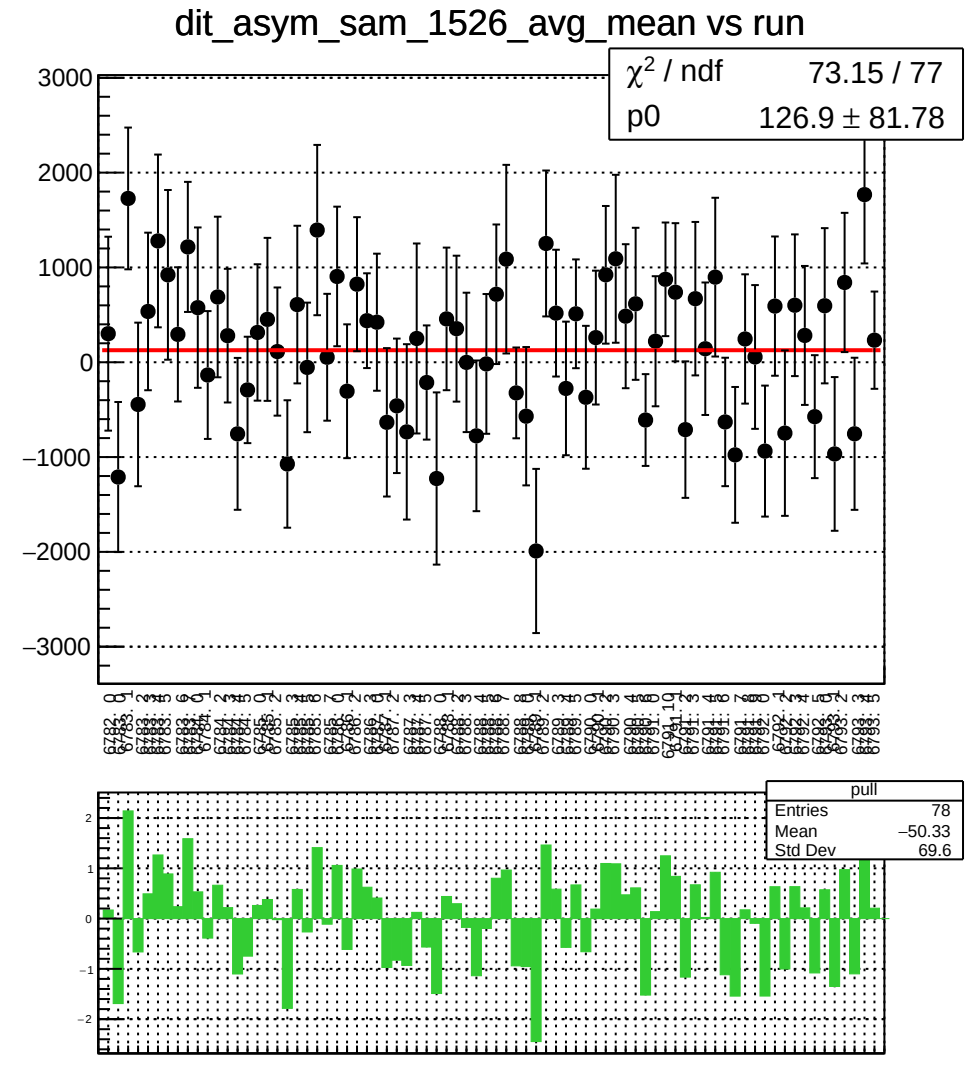

pull1D
Entries 78
Mean −0.005203
Std Dev 0.9695
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

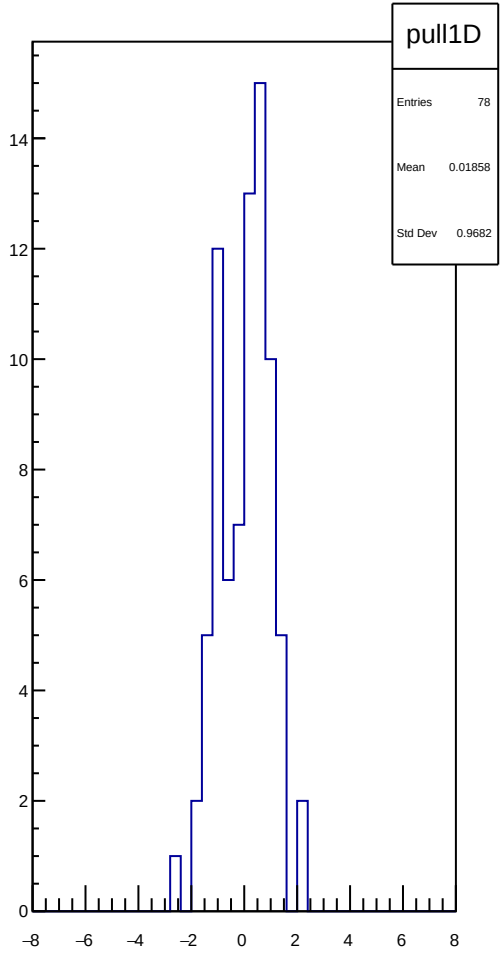

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 1105 / 77
p0 875.1 ± 0.6992
940
920
900
880
860
840
820

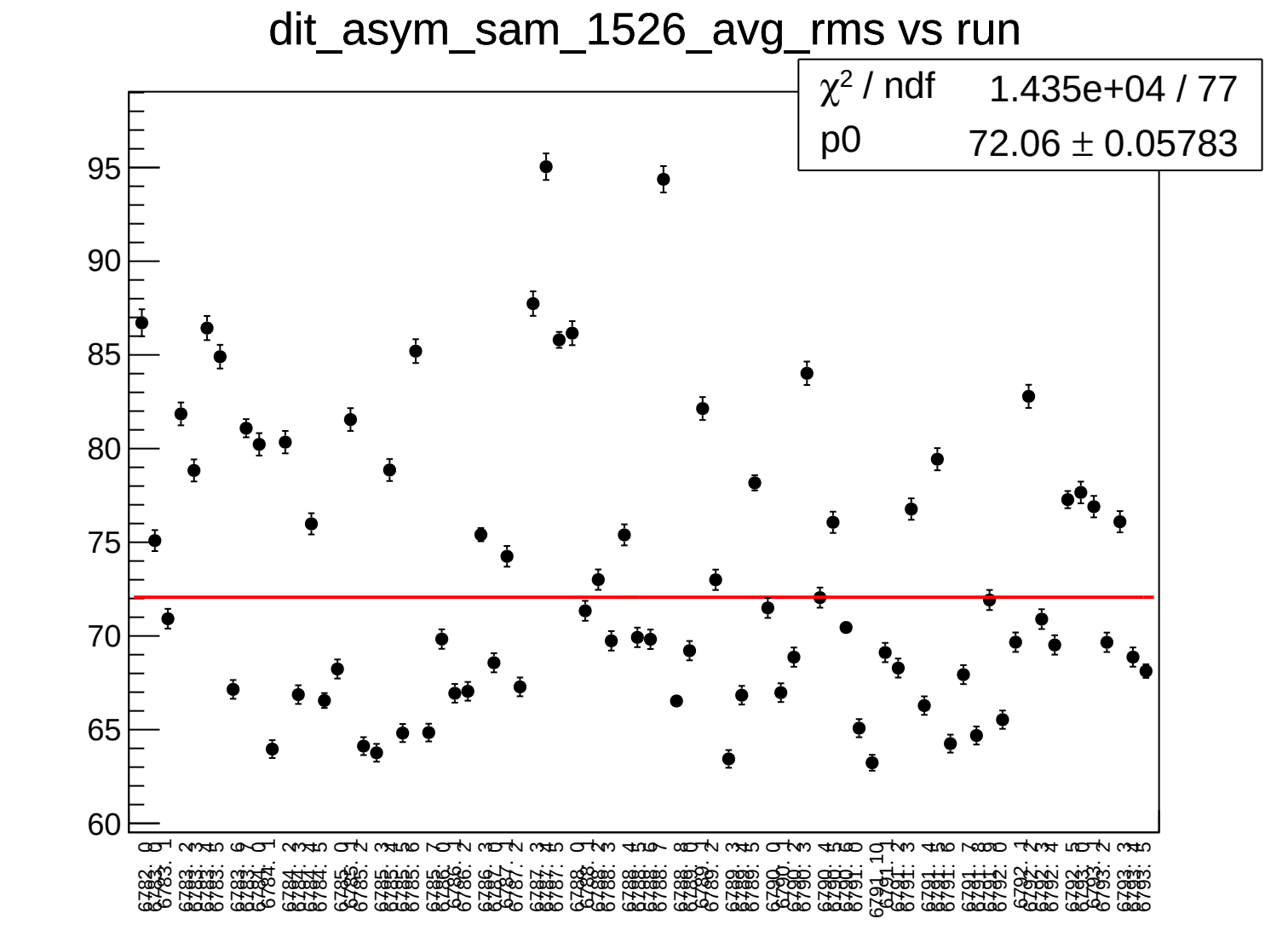

asym_sam_3748_avg_mean vs run
χ² / ndf 74.5 / 77
p0 3773 ± 1025
pull
Entries 78
Mean −6776
Std Dev 6808

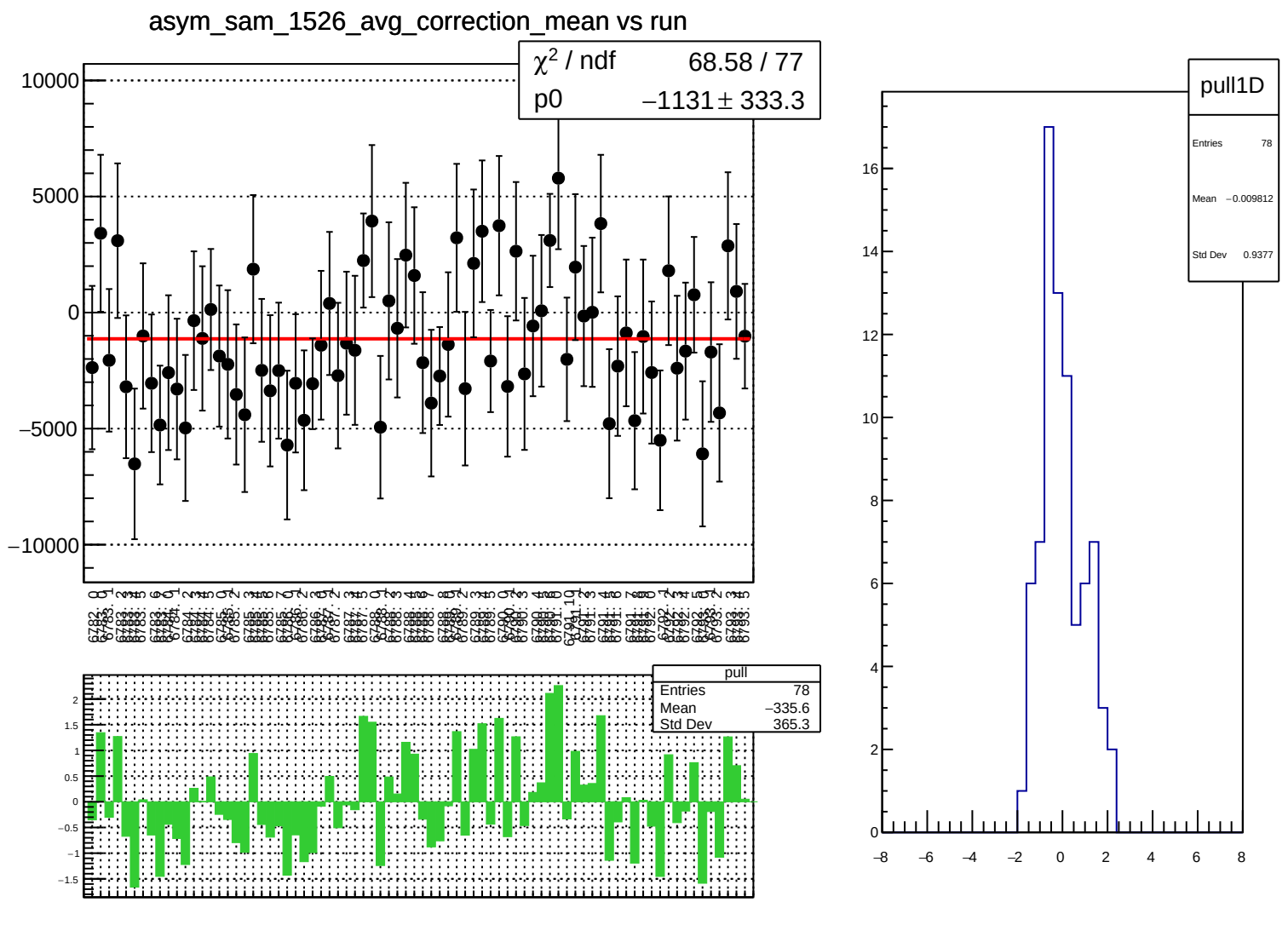

pull1D
Entries 78
Mean 0.0006314
Std Dev 0.9773

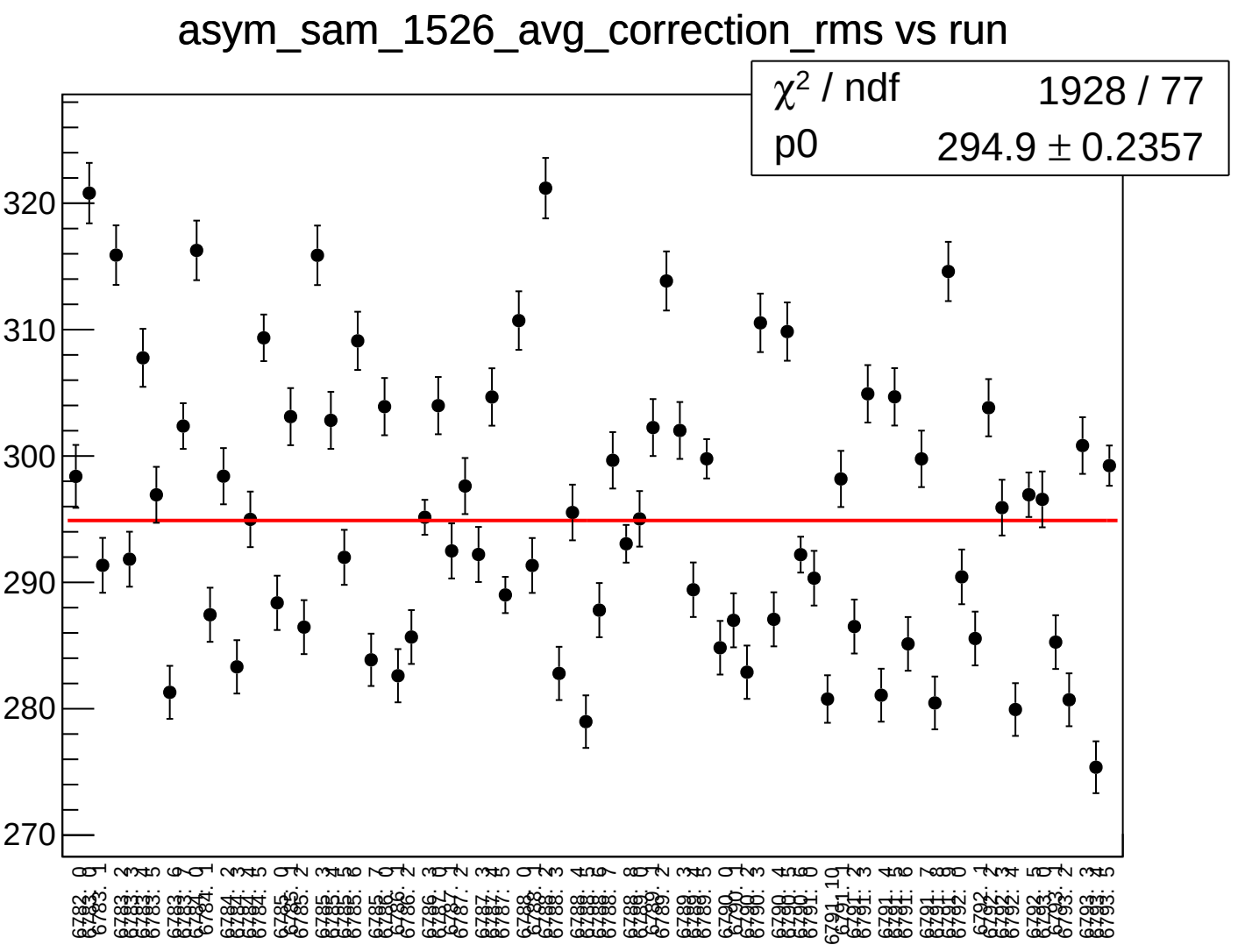

asym_sam_3748_avg_rms vs run
χ^2 / ndf 1767 / 77
p0 906.9 ± 0.7248
980
960
940
920
900
880
860
840
820

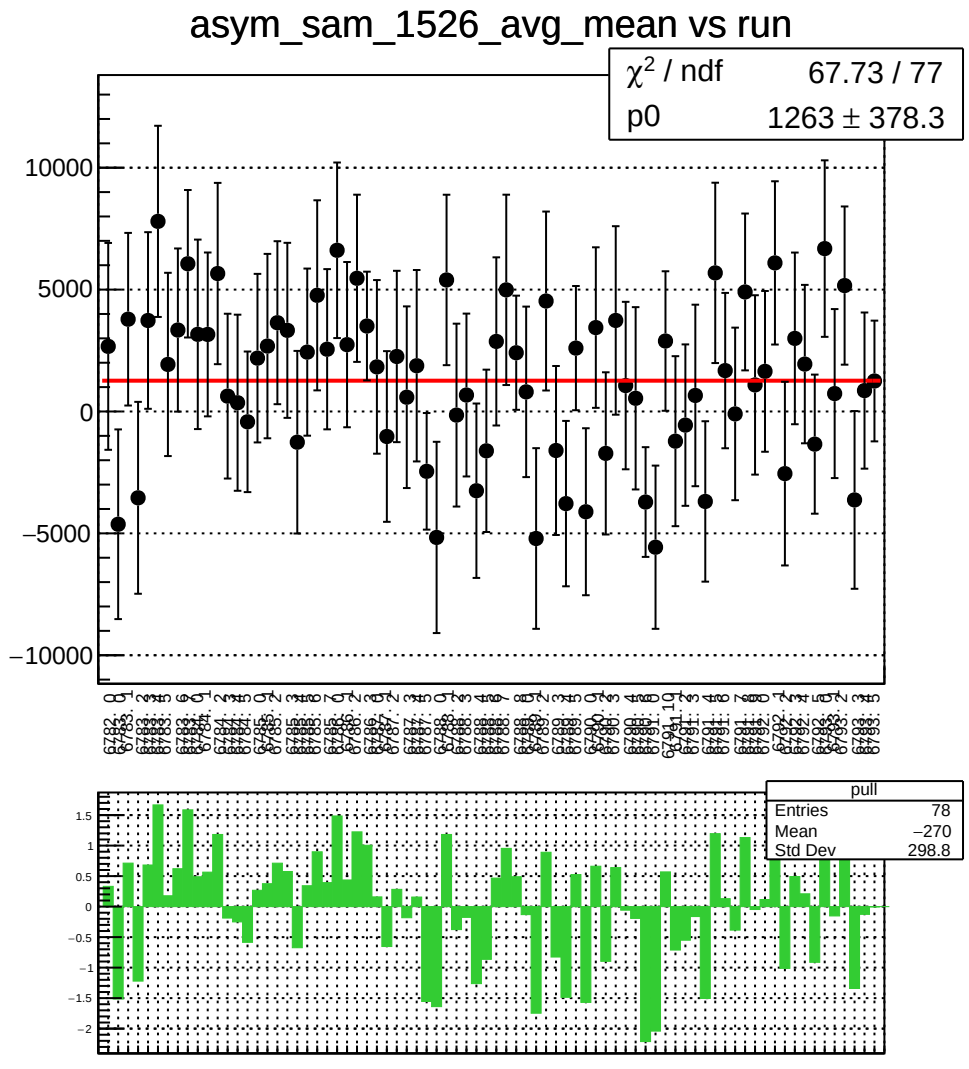

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 73.15 / 77
p0 126.9 ± 81.78
pull
Entries 78
Mean −50.33
Std Dev 69.6

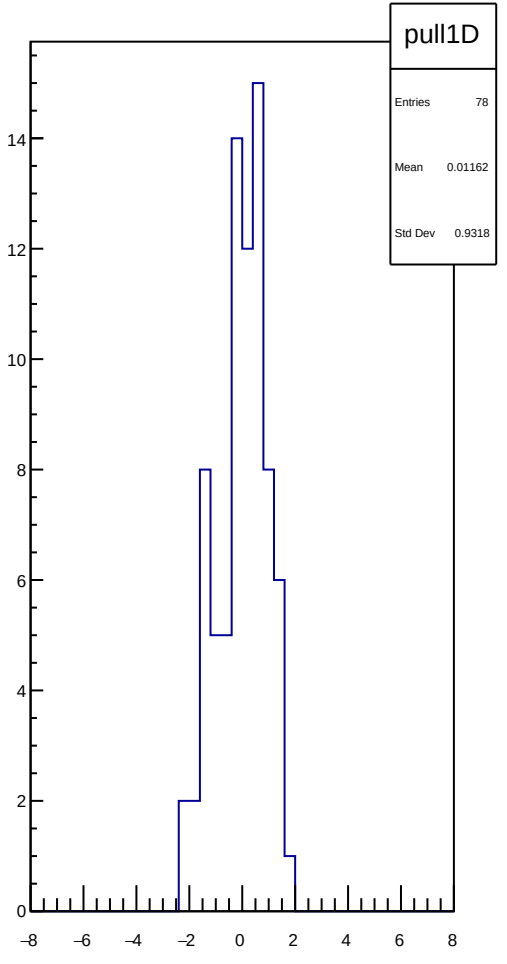

pull1D
Entries 78
Mean 0.01858
Std Dev 0.9682

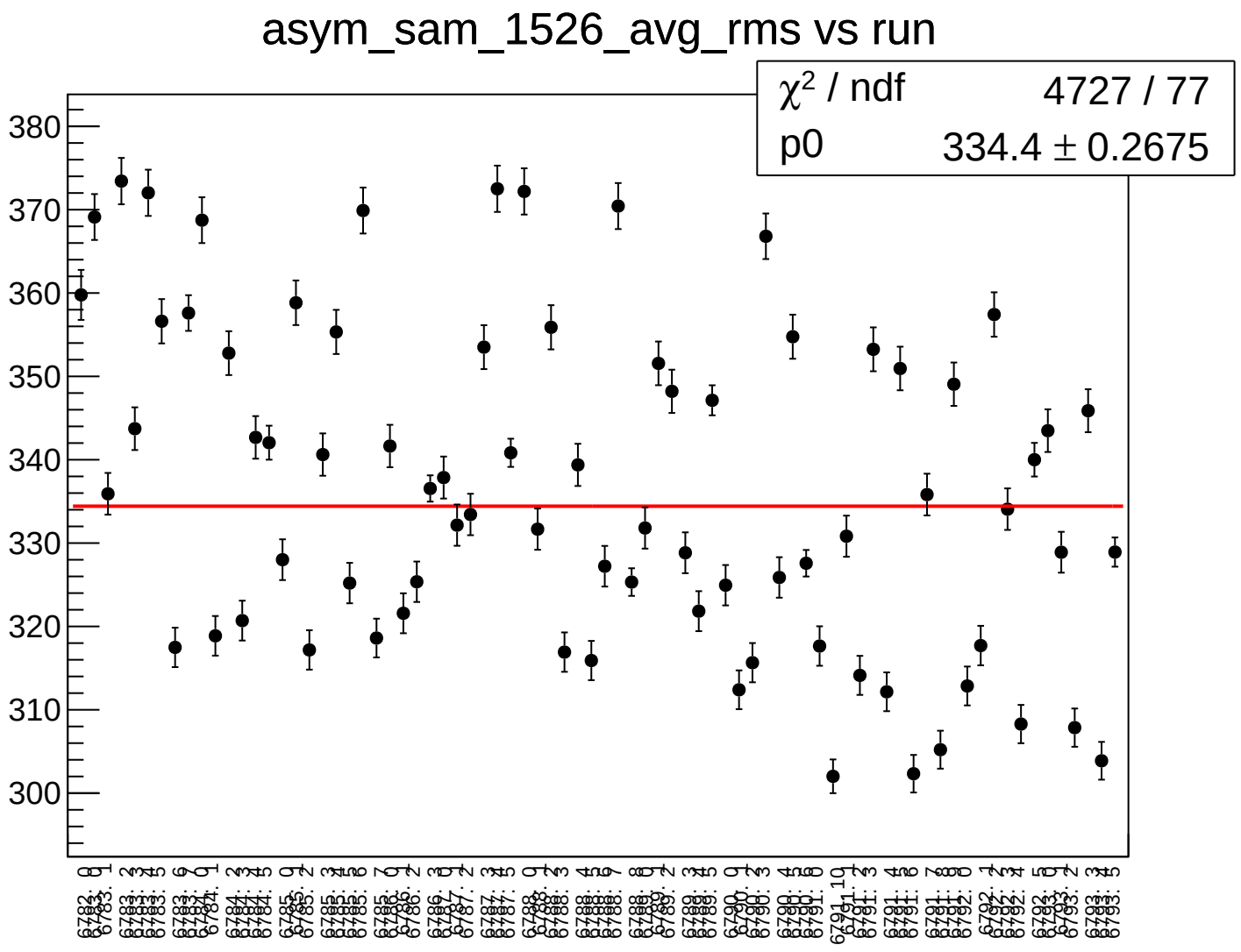

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.435e+04 / 77
p0 72.06 ± 0.05783
95
90
85
80
75
70
65
60

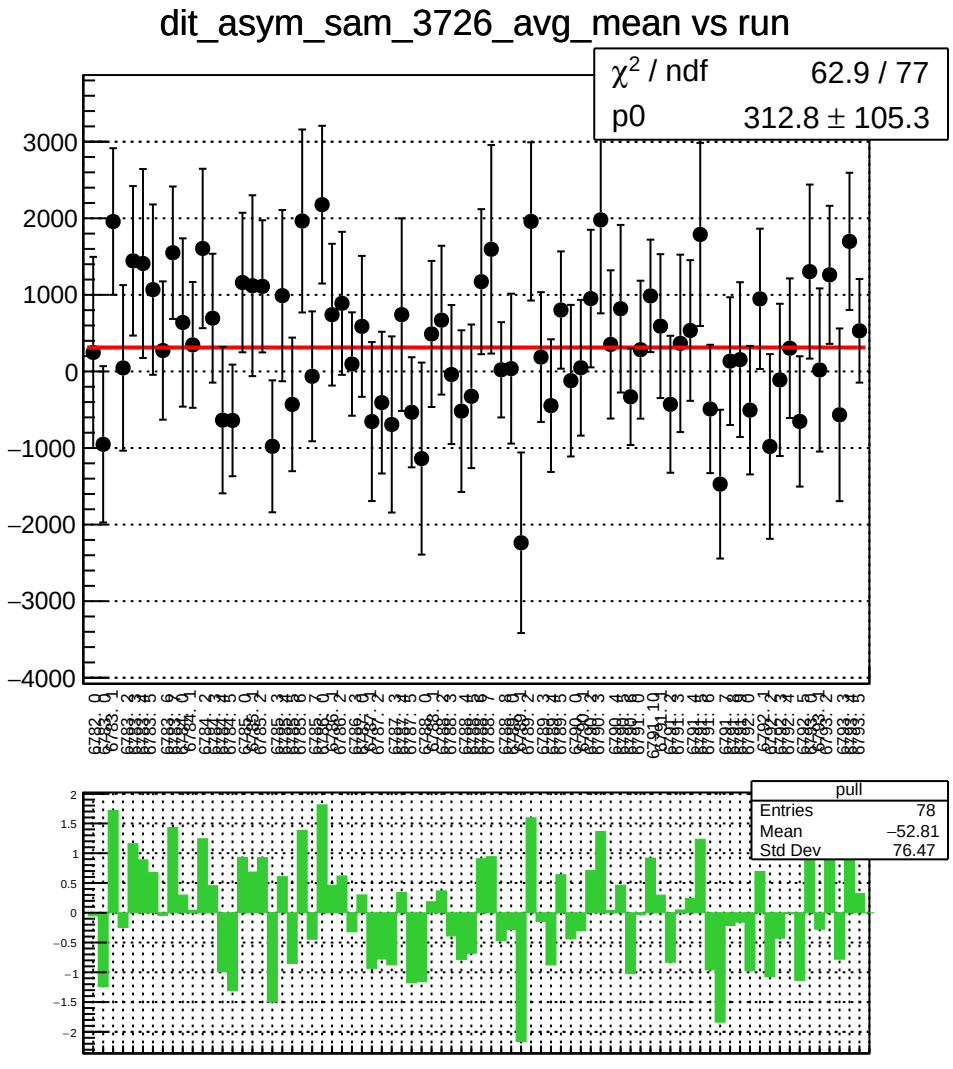

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 68.58 / 77
p0 −1131 ± 333.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −335.6
Std Dev 365.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.009812
Std Dev 0.9377
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

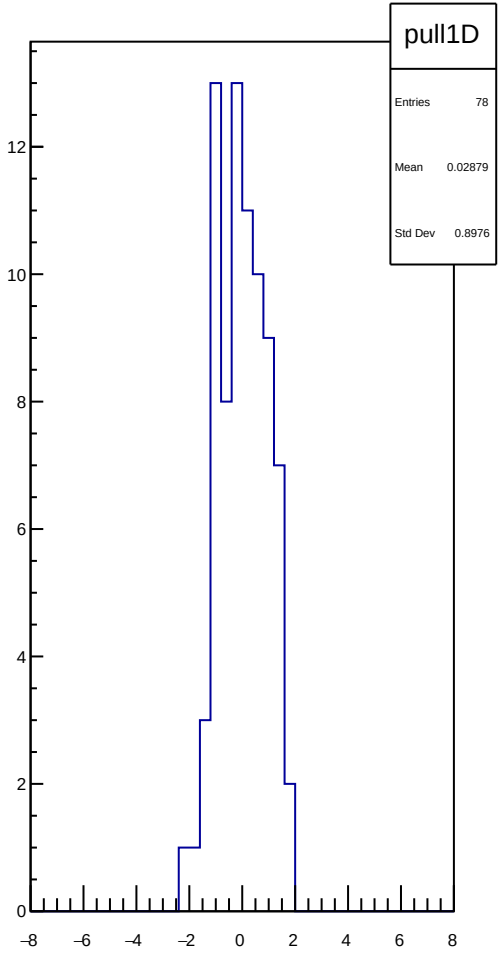

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1928 / 77
p0 294.9 ± 0.2357
320
310
300
290
280
270

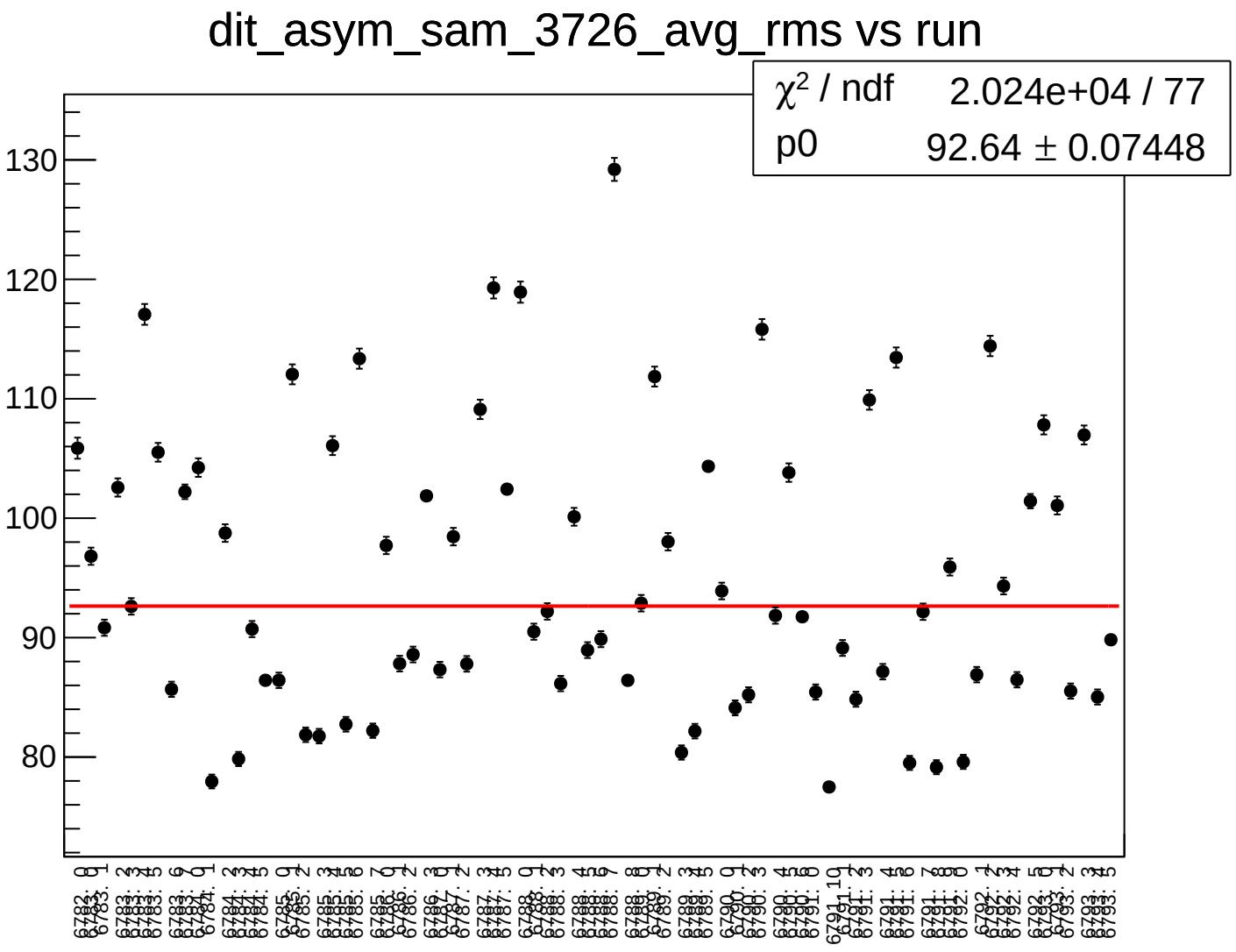

asym_sam_1526_avg_mean vs run
χ² / ndf 67.73 / 77
p0 1263 ± 378.3
10000
5000
0
−5000
−10000
pull
Entries 78
Mean −270
Std Dev 298.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

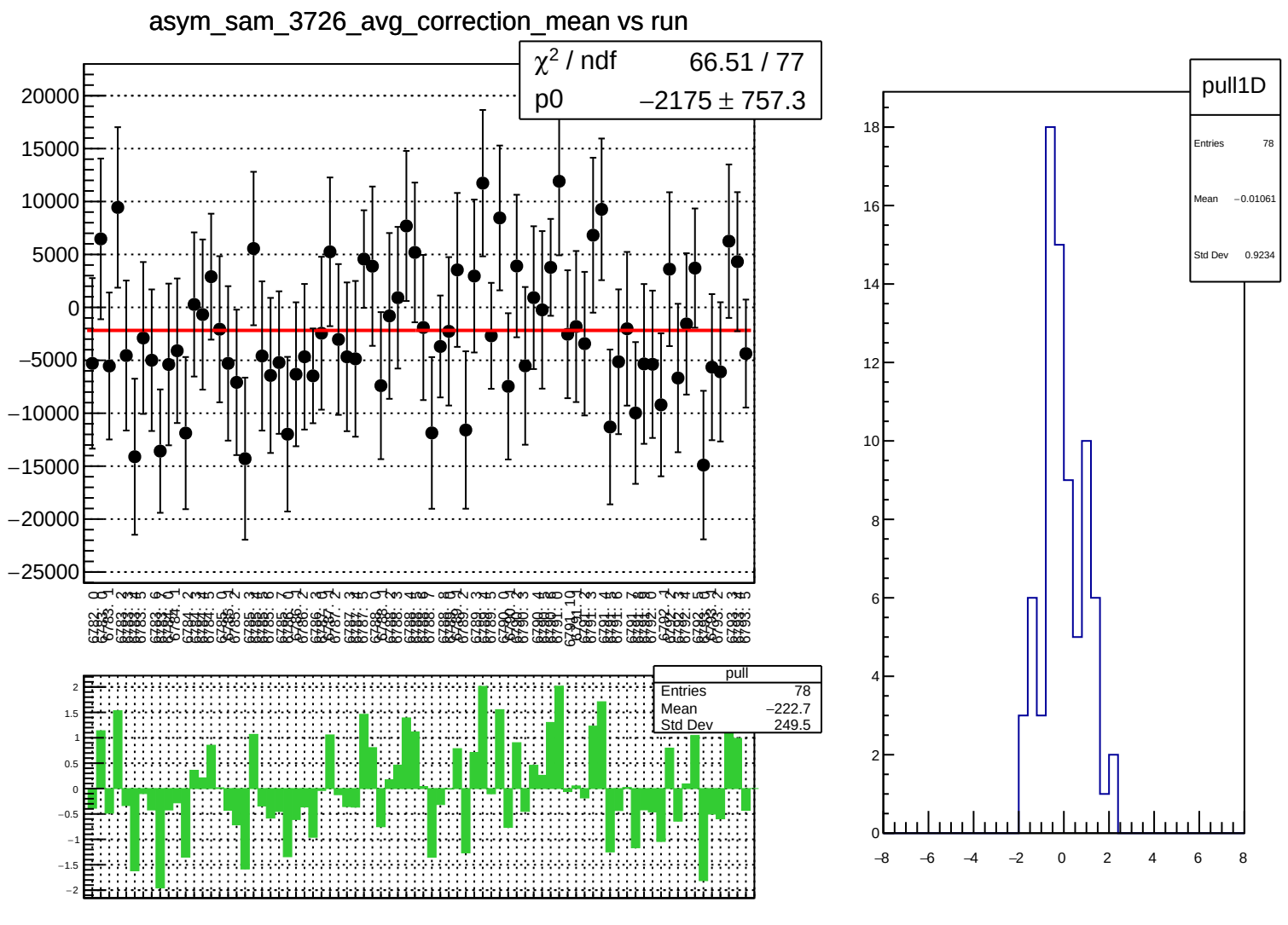

pull1D
Entries 78
Mean 0.01162
Std Dev 0.9318
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

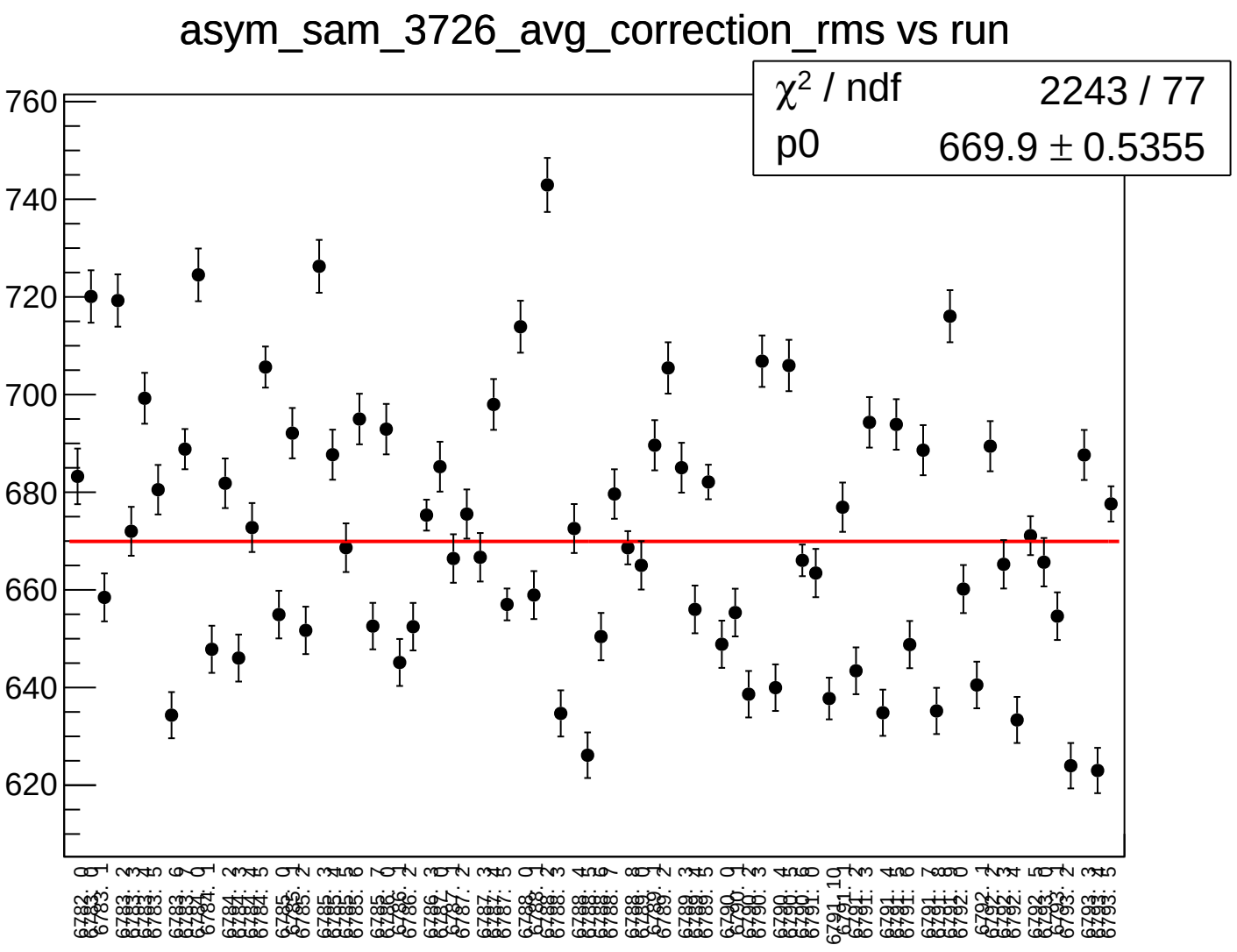

asym_sam_1526_avg_rms vs run
χ² / ndf 4727 / 77
p0 334.4 ± 0.2675
380
370
360
350
340
330
320
310
300

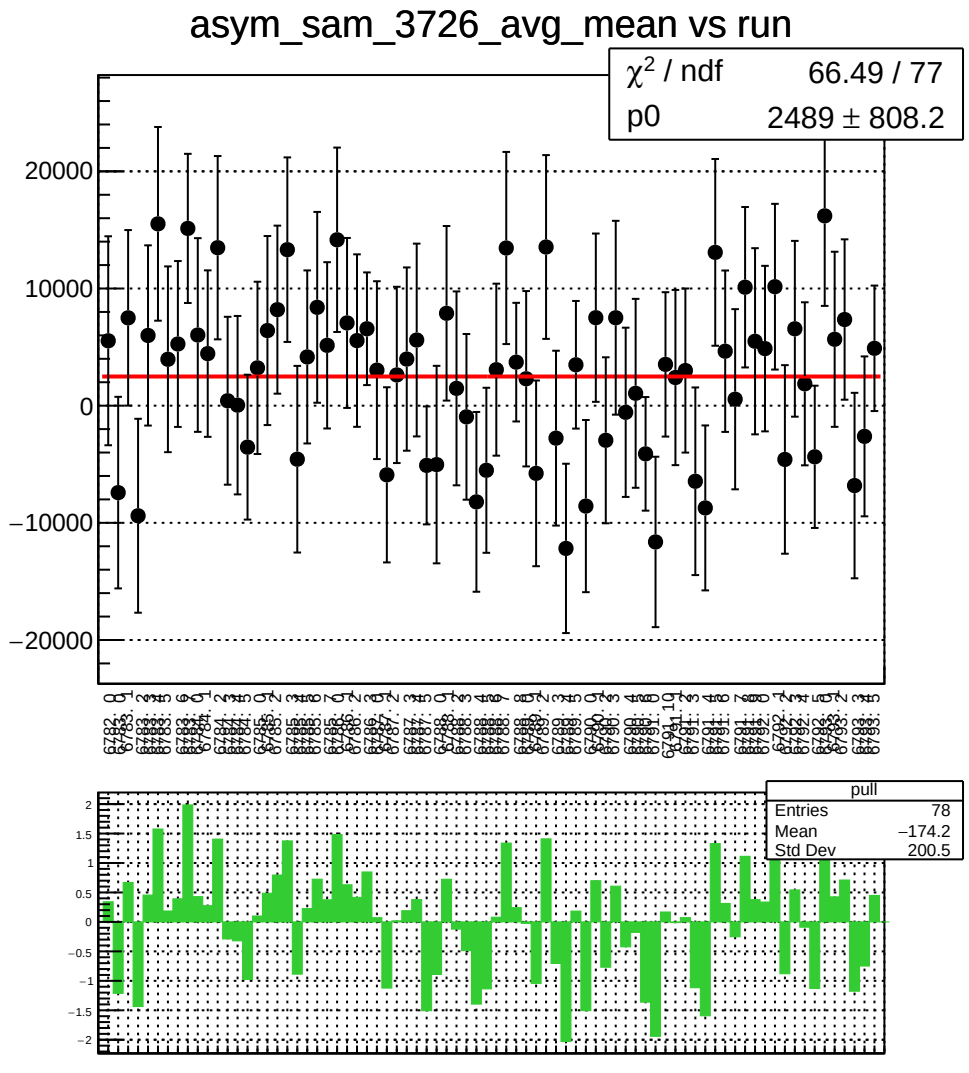

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 62.9 / 77
p0 312.8 ± 105.3
pull
Entries 78
Mean −52.81
Std Dev 76.47

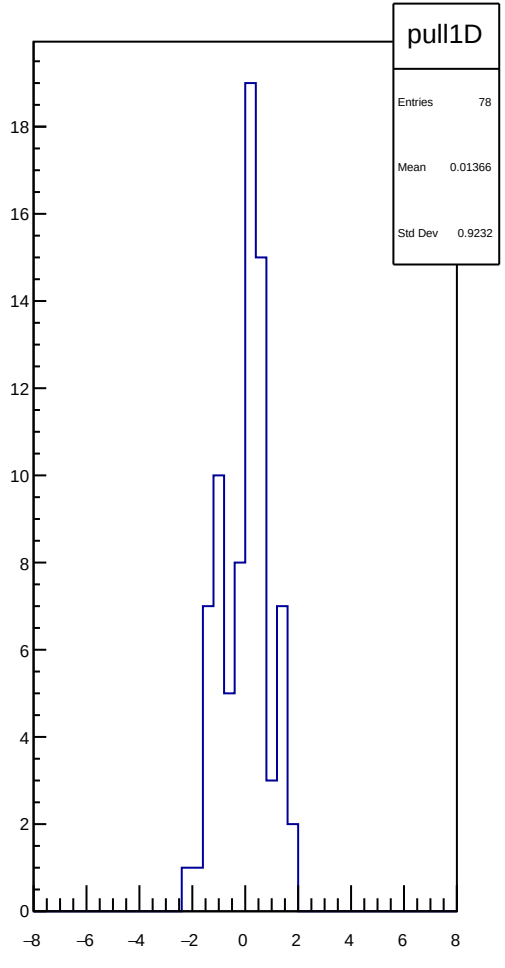

pull1D
Entries 78
Mean 0.02879
Std Dev 0.8976

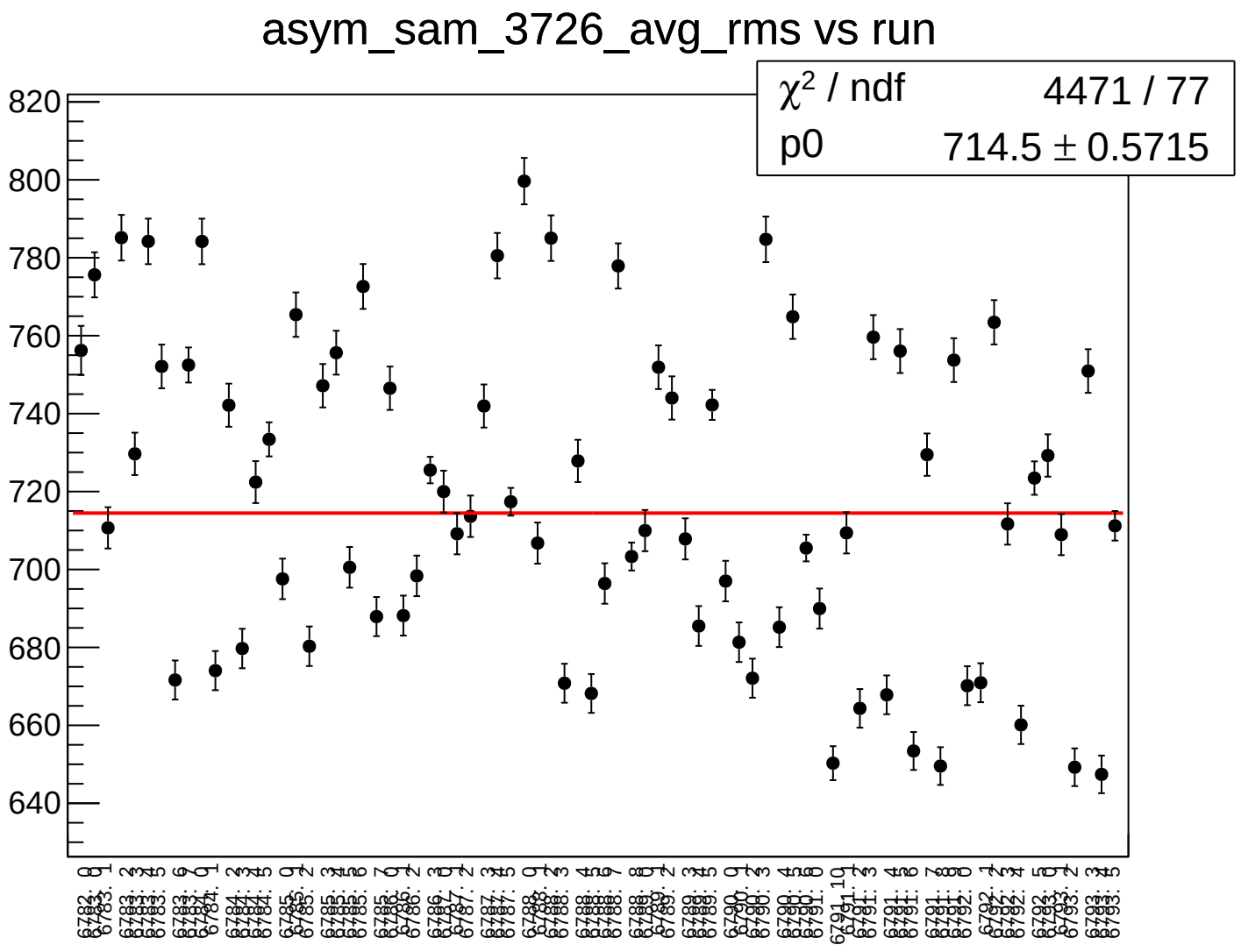

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2.024e+04 / 77
p0 92.64 ± 0.07448
130
120
110
100
90
80

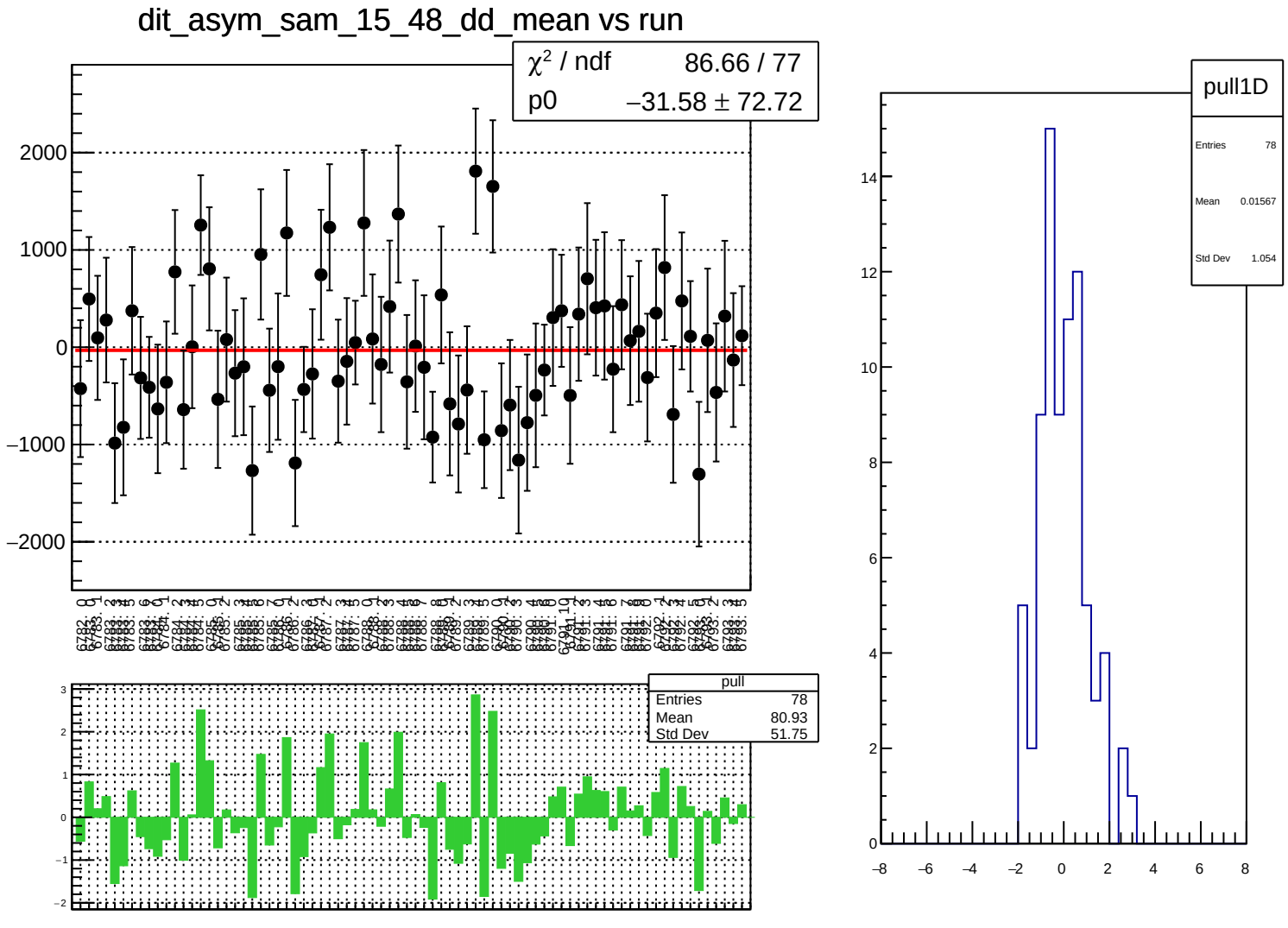

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 66.51 / 77
p0 −2175 ± 757.3
pull
Entries 78
Mean −222.7
Std Dev 249.5
pull1D
Entries 78
Mean −0.01061
Std Dev 0.9234

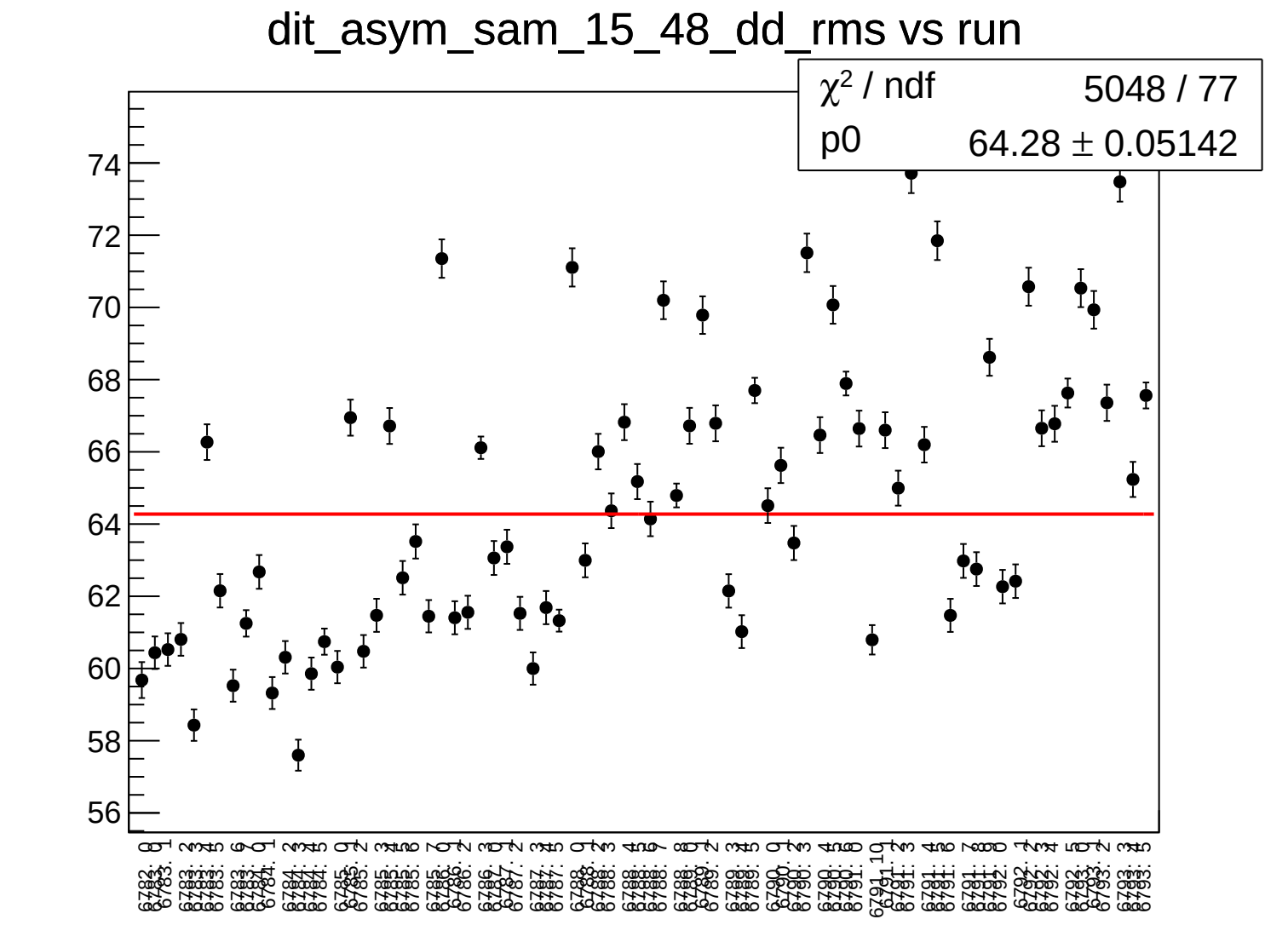

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2243 / 77
p0 669.9 ± 0.5355
760
740
720
700
680
660
640
620

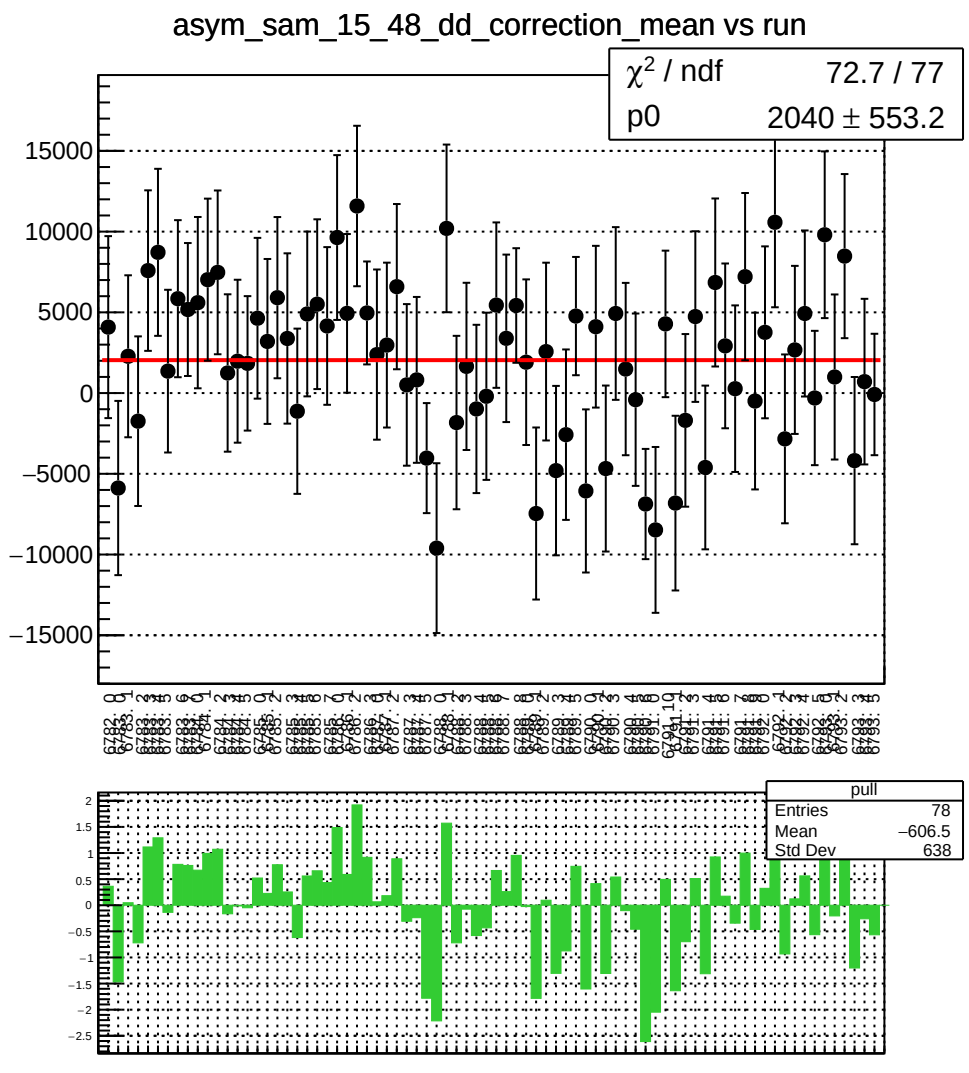

asym_sam_3726_avg_mean vs run
χ² / ndf 66.49 / 77
p0 2489 ± 808.2
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −174.2
Std Dev 200.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

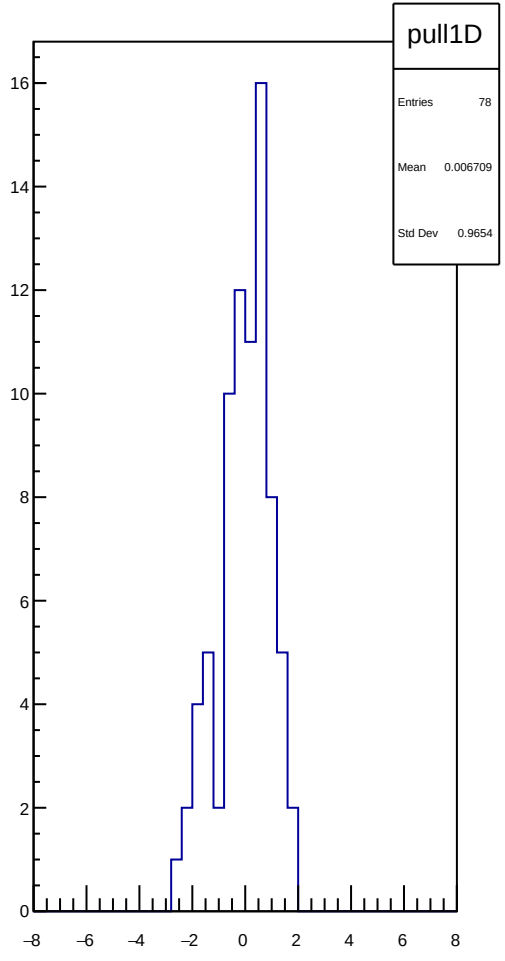

pull1D
Entries 78
Mean 0.01366
Std Dev 0.9232
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

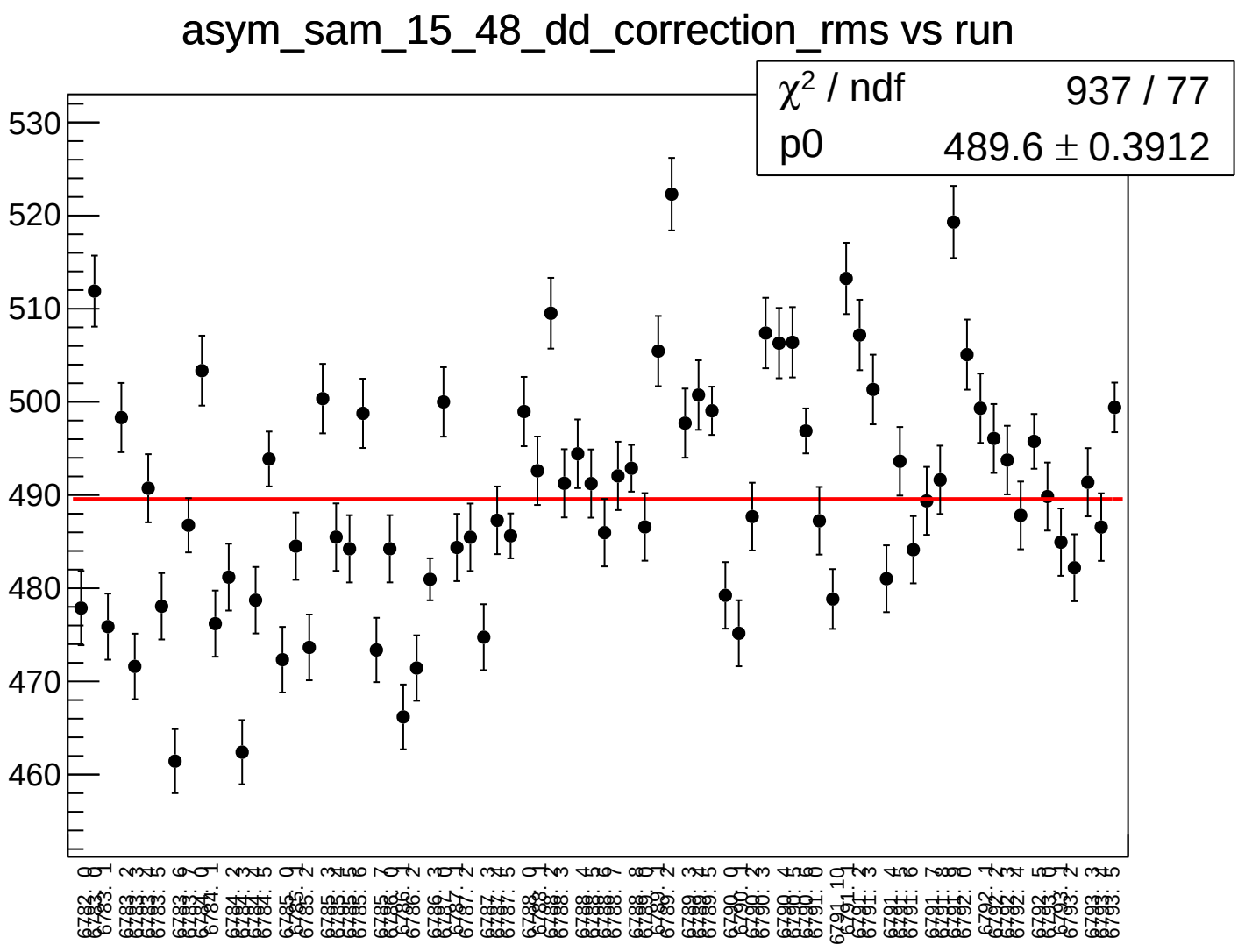

asym_sam_3726_avg_rms vs run
χ² / ndf 4471 / 77
p0 714.5 ± 0.5715
820
800
780
760
740
720
700
680
660
640

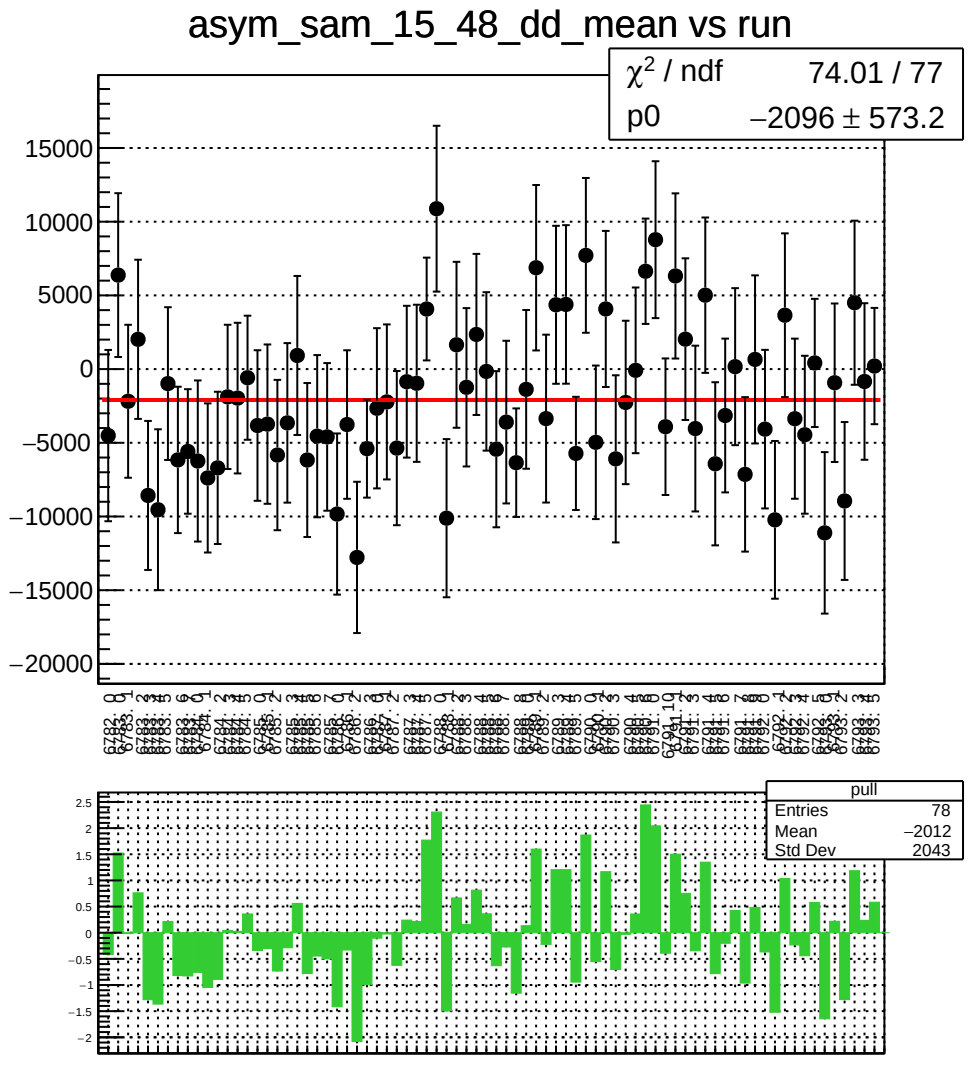

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 86.66 / 77
p0 −31.58 ± 72.72
2000
1000
0
−1000
−2000
pull
Entries 78
Mean 80.93
Std Dev 51.75
3
2
1
0
−1
−2
pull1D
Entries 78
Mean 0.01567
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

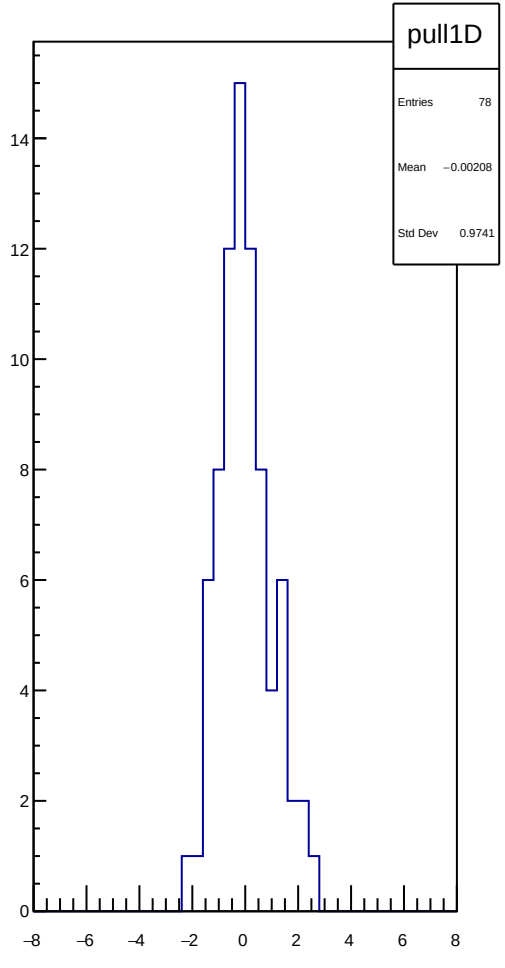

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 5048 / 77
p0 64.28 ± 0.05142
74
72
70
68
66
64
62
60
58
56

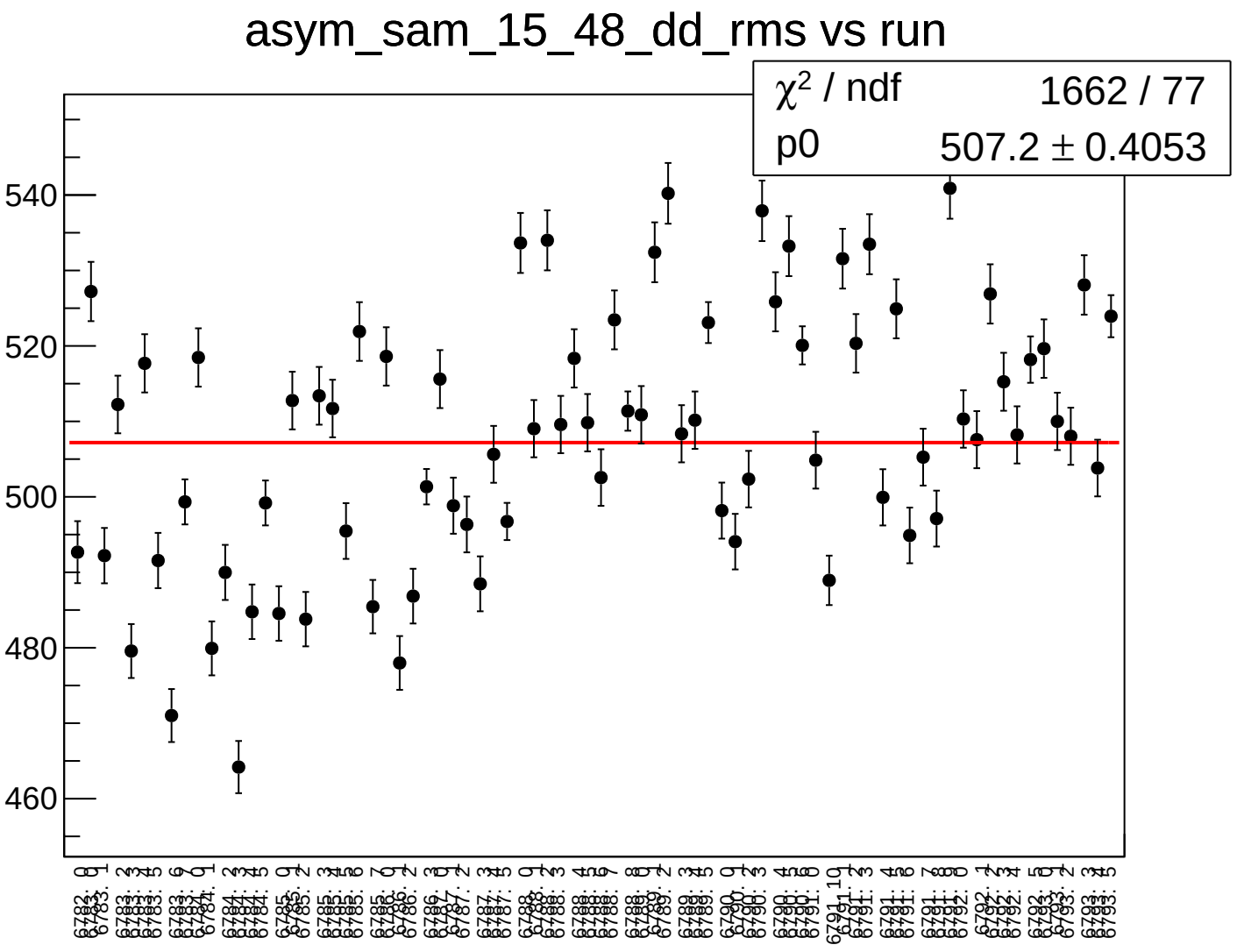

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 72.7 / 77
p0 2040 ± 553.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 78
Mean −606.5
Std Dev 638
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

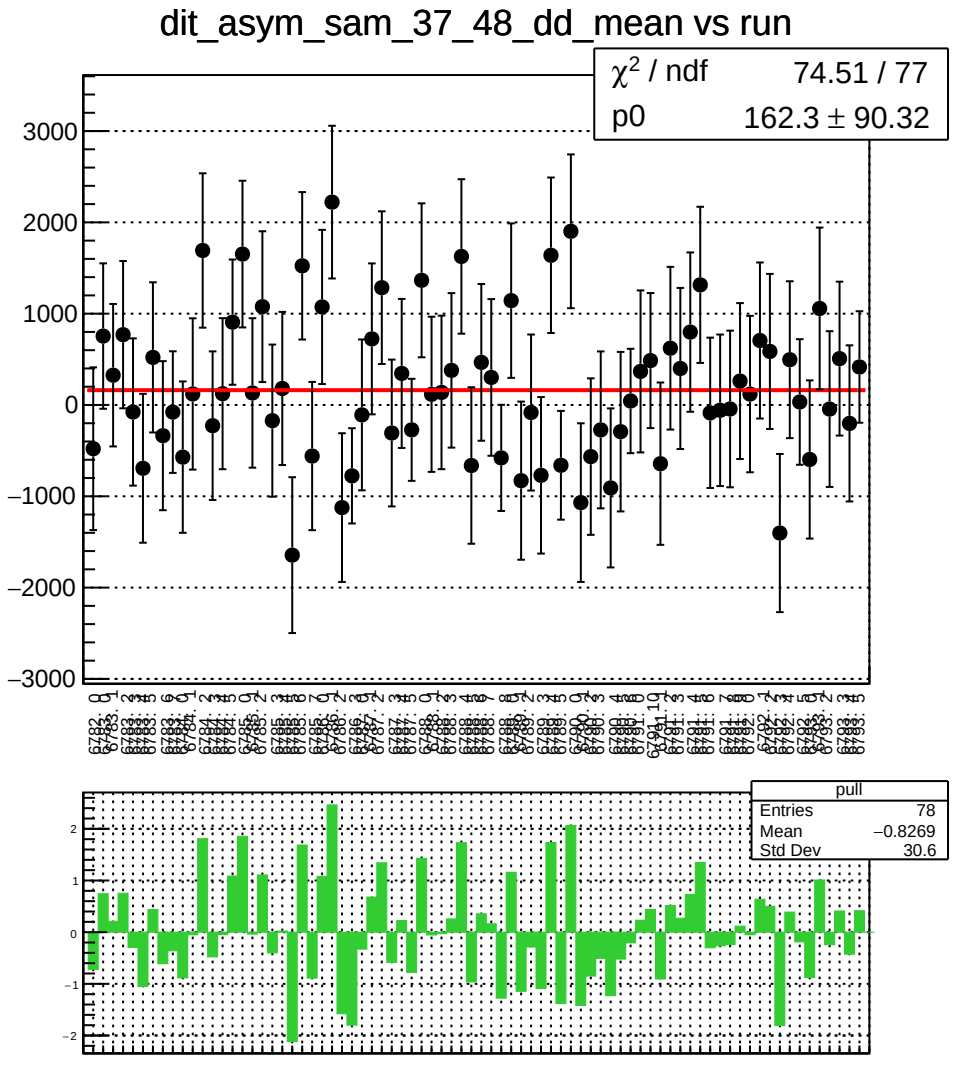

pull1D
Entries 78
Mean 0.006709
Std Dev 0.9654
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

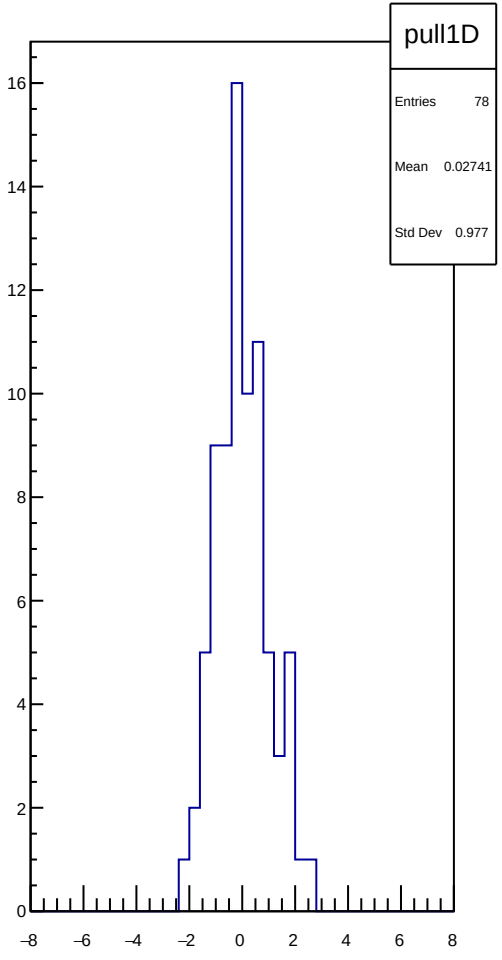

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 937 / 77
p0 489.6 ± 0.3912
530
520
510
500
490
480
470
460

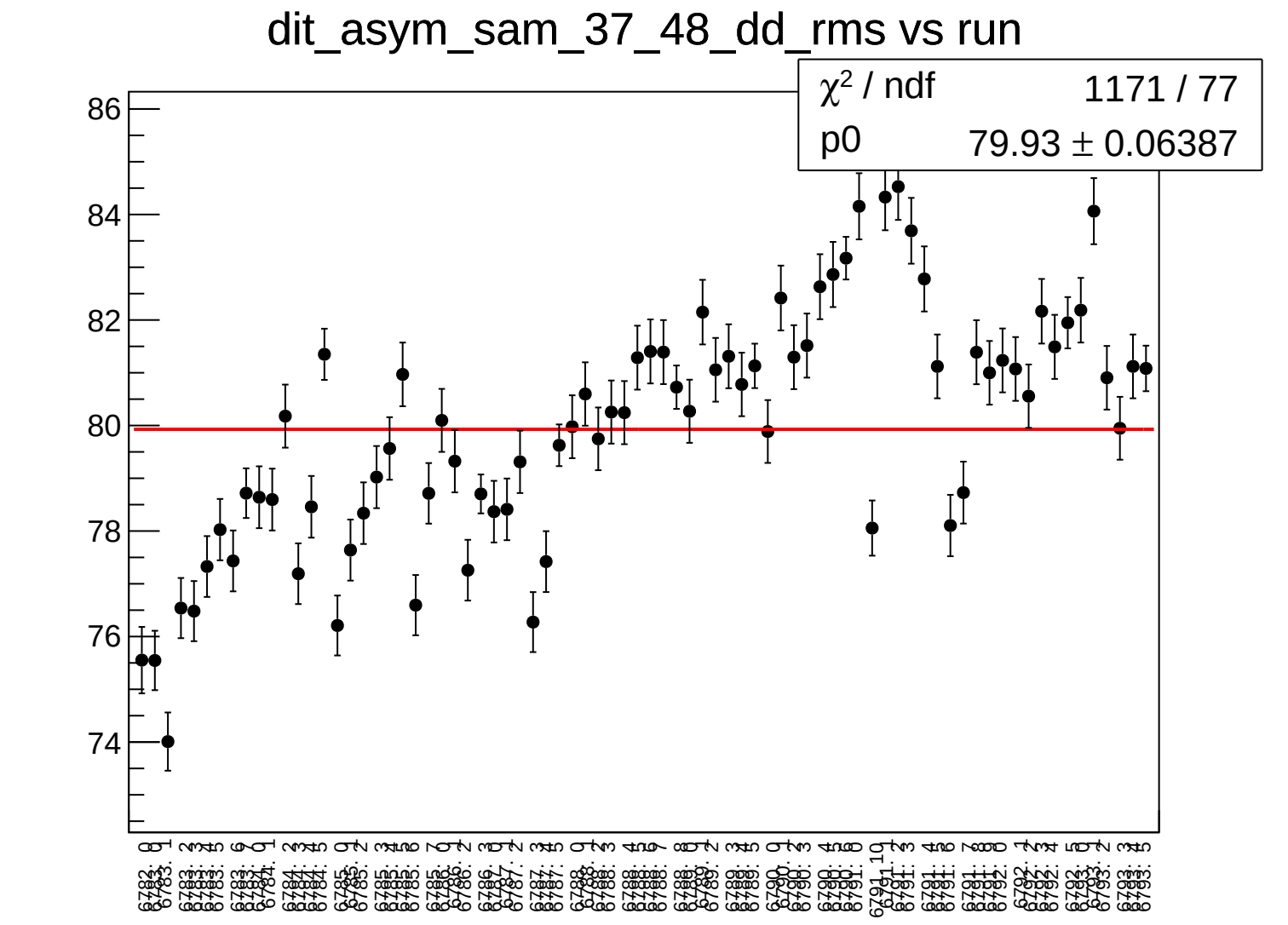

asym_sam_15_48_dd_mean vs run
χ² / ndf 74.01 / 77
p0 −2096 ± 573.2
pull
Entries 78
Mean −2012
Std Dev 2043

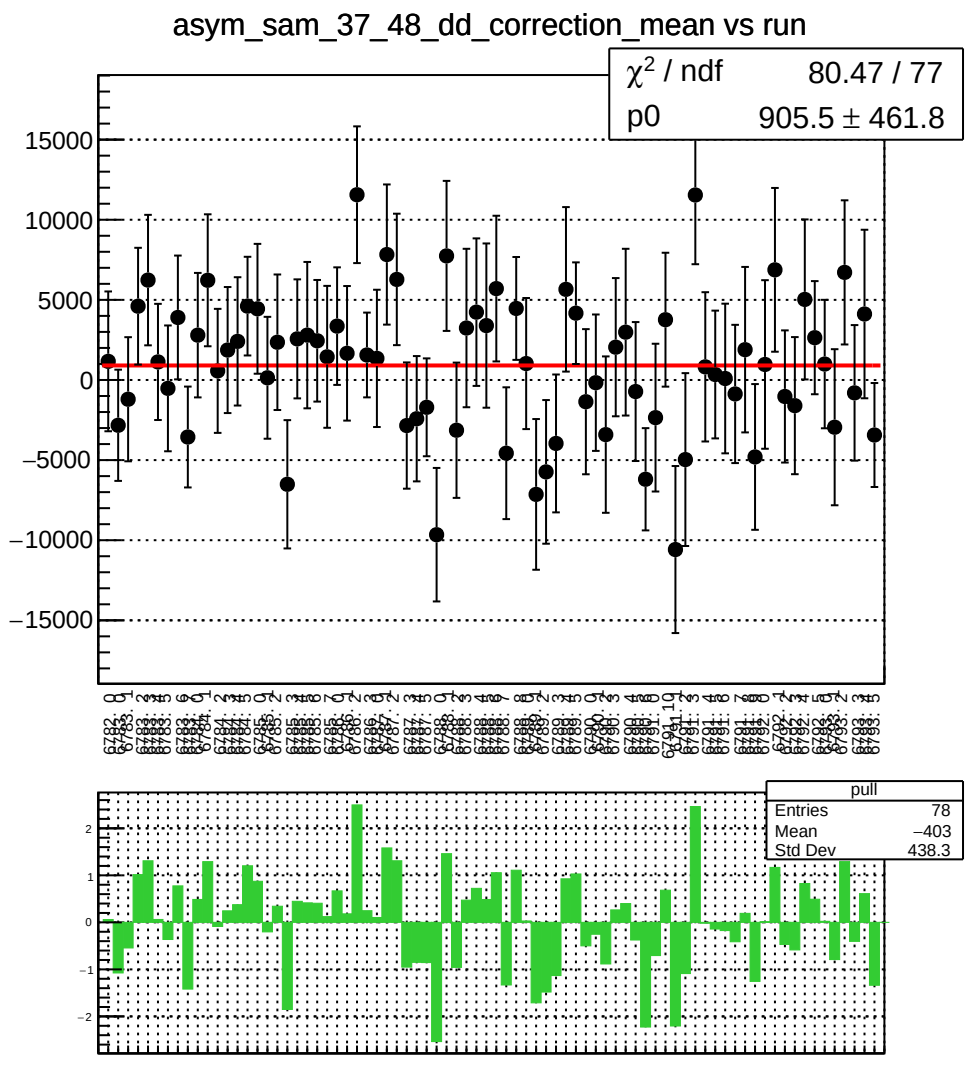

pull1D
Entries 78
Mean −0.00208
Std Dev 0.9741

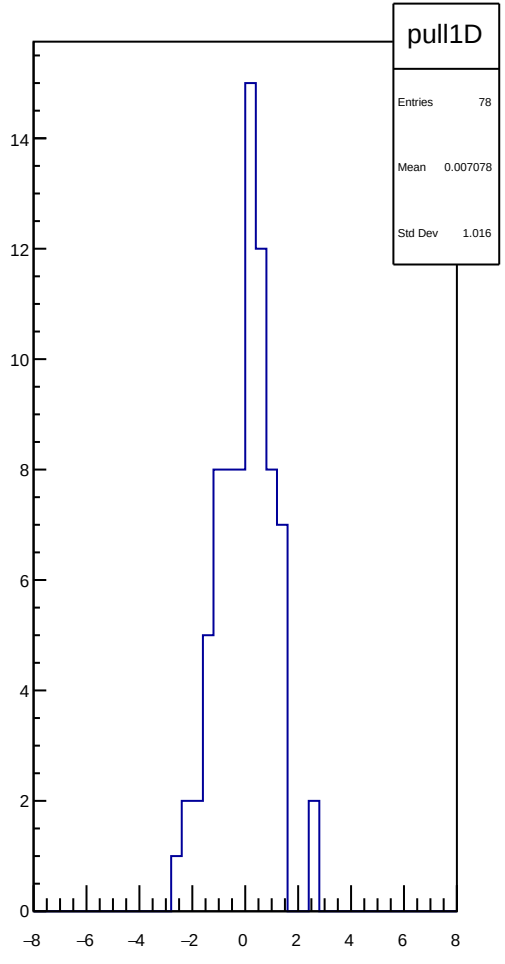

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1662 / 77
p0 507.2 ± 0.4053
540
520
500
480
460

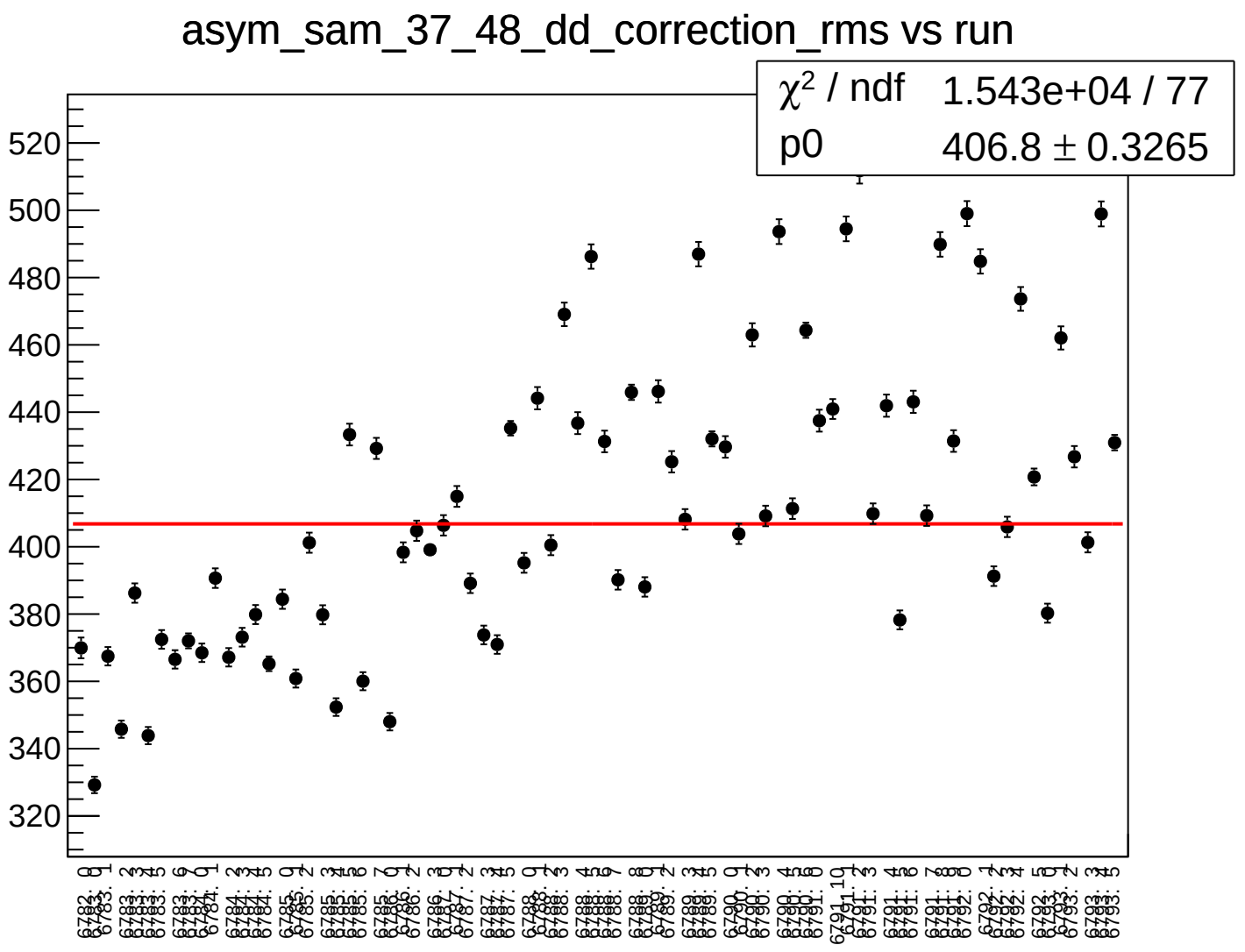

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 74.51 / 77
p0 162.3 ± 90.32
pull
Entries 78
Mean −0.8269
Std Dev 30.6

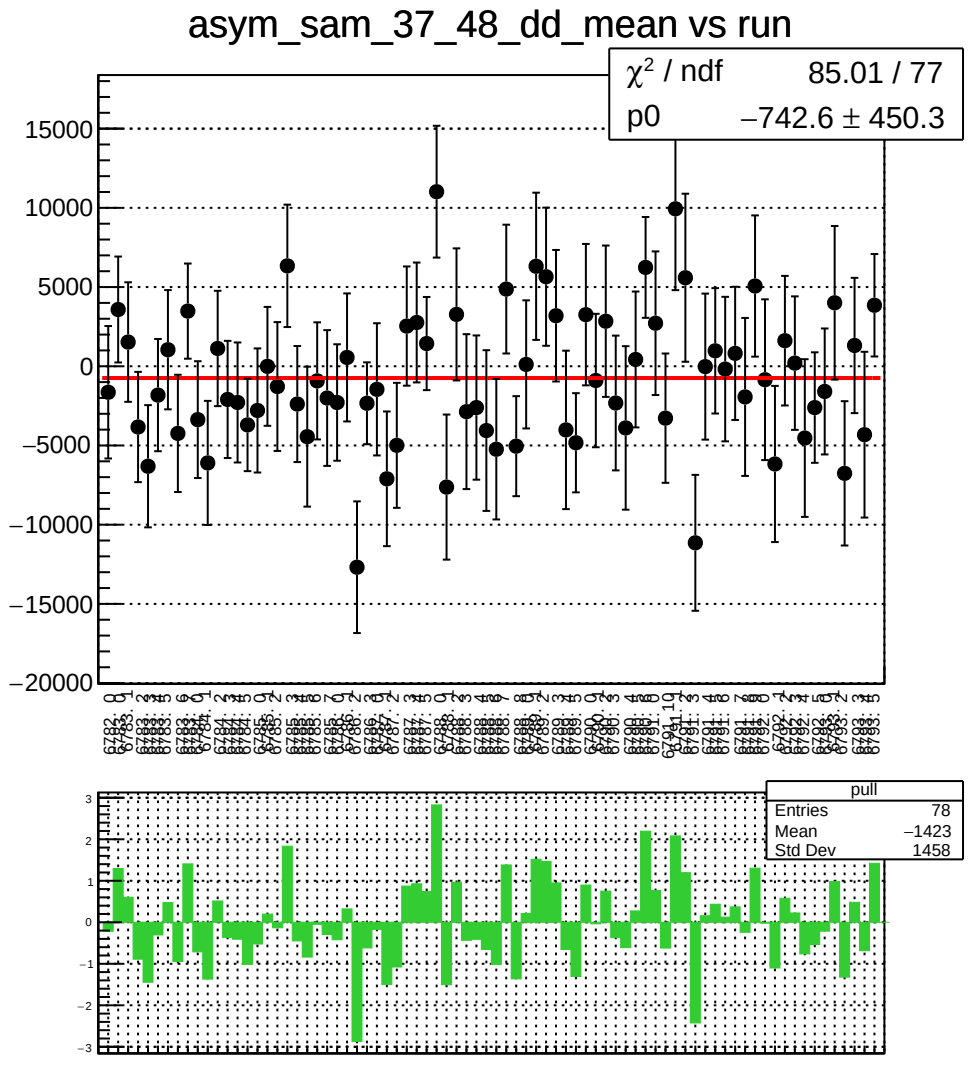

pull1D
Entries 78
Mean 0.02741
Std Dev 0.977

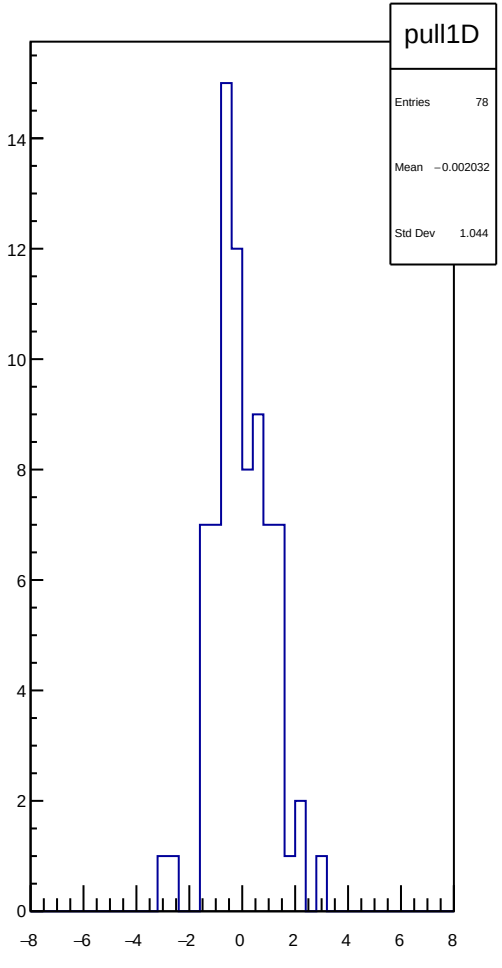

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1171 / 77
p0 79.93 ± 0.06387
86
84
82
80
78
76
74

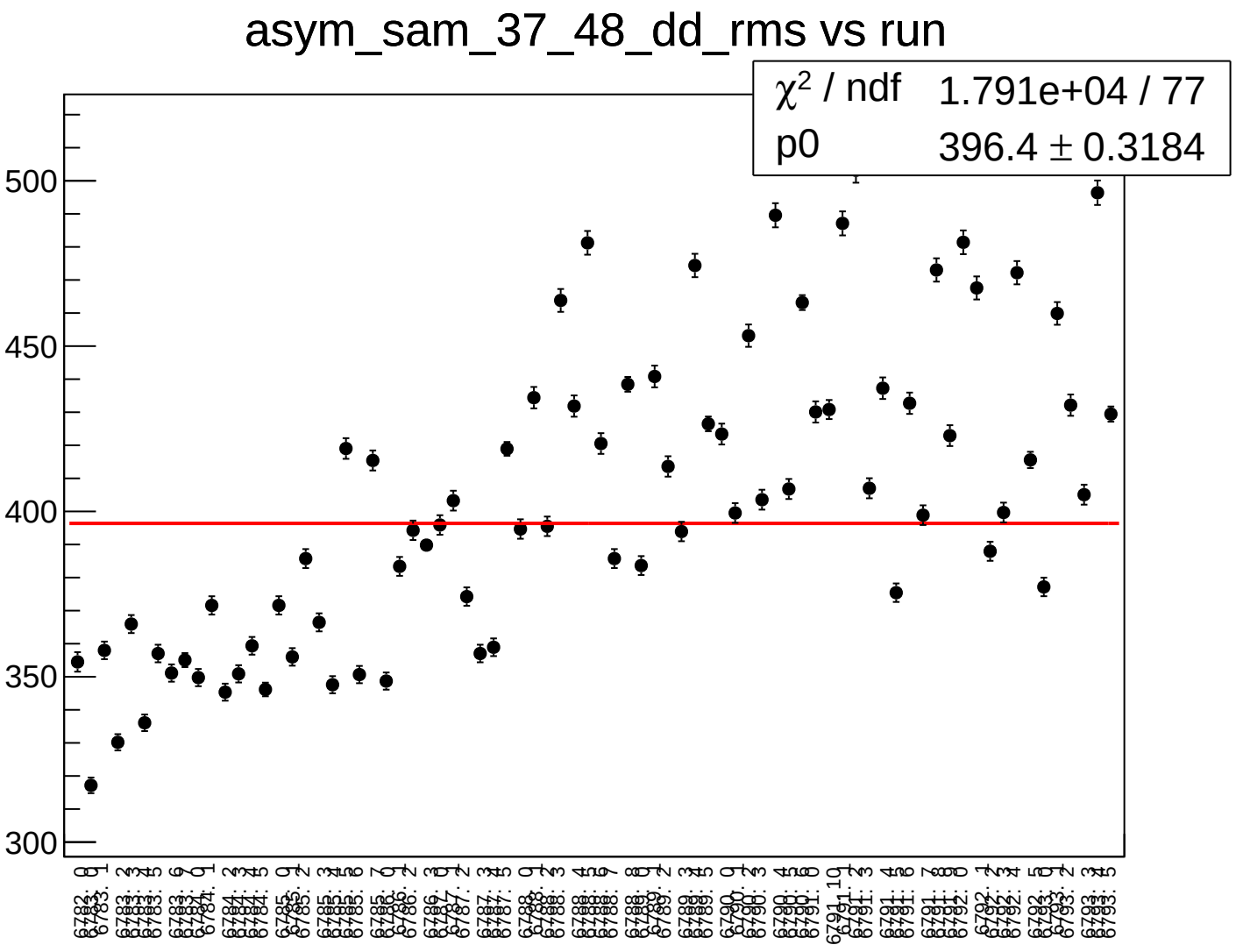

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 80.47 / 77
p0 905.5 ± 461.8
pull
Entries 78
Mean −403
Std Dev 438.3

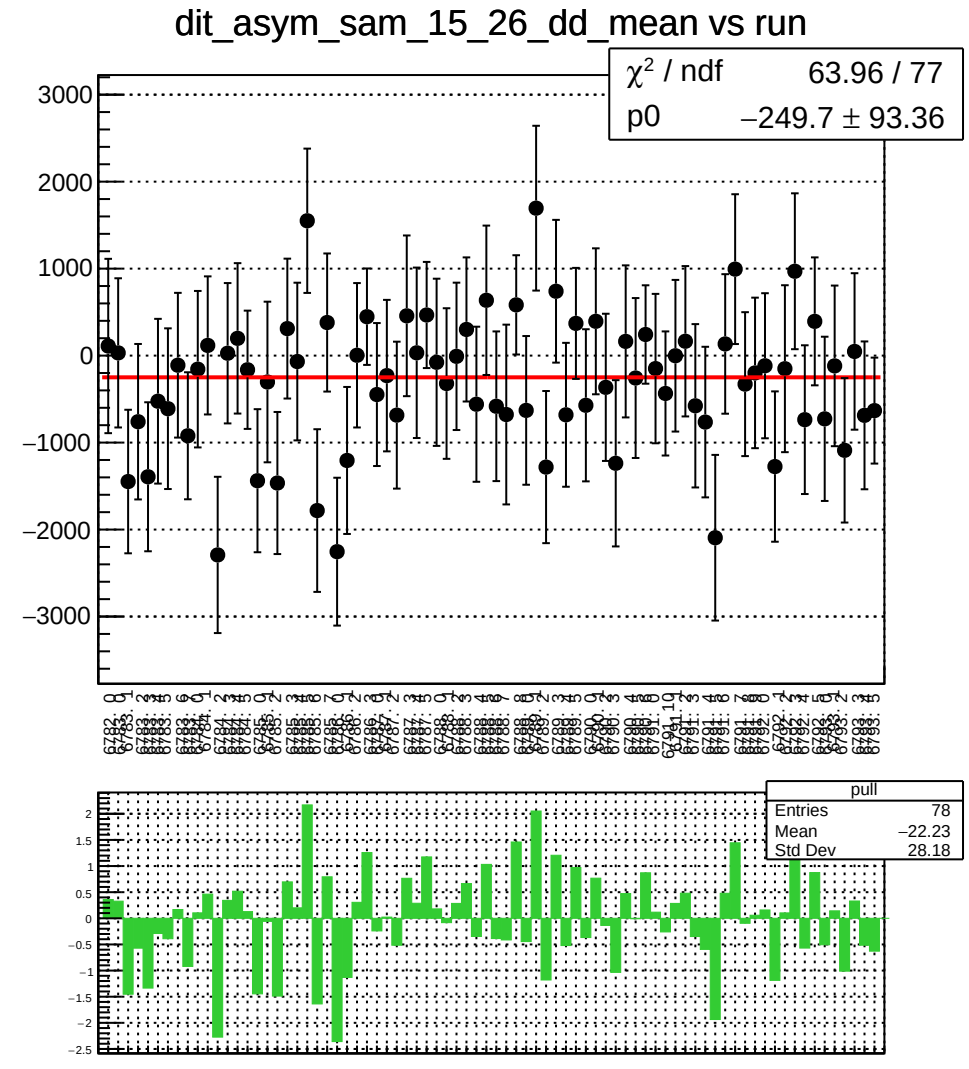

pull1D
Entries 78
Mean 0.007078
Std Dev 1.016

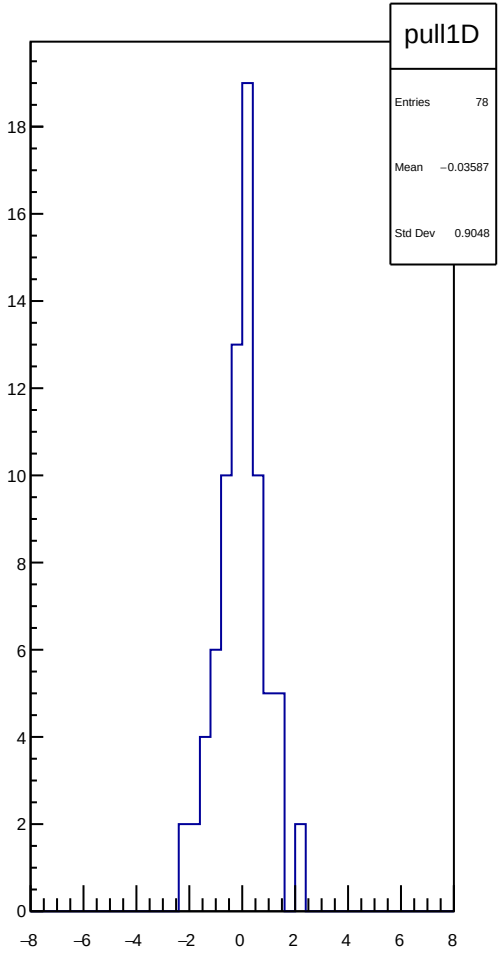

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 1.543e+04 / 77
p0 406.8 ± 0.3265
520
500
480
460
440
420
400
380
360
340
320

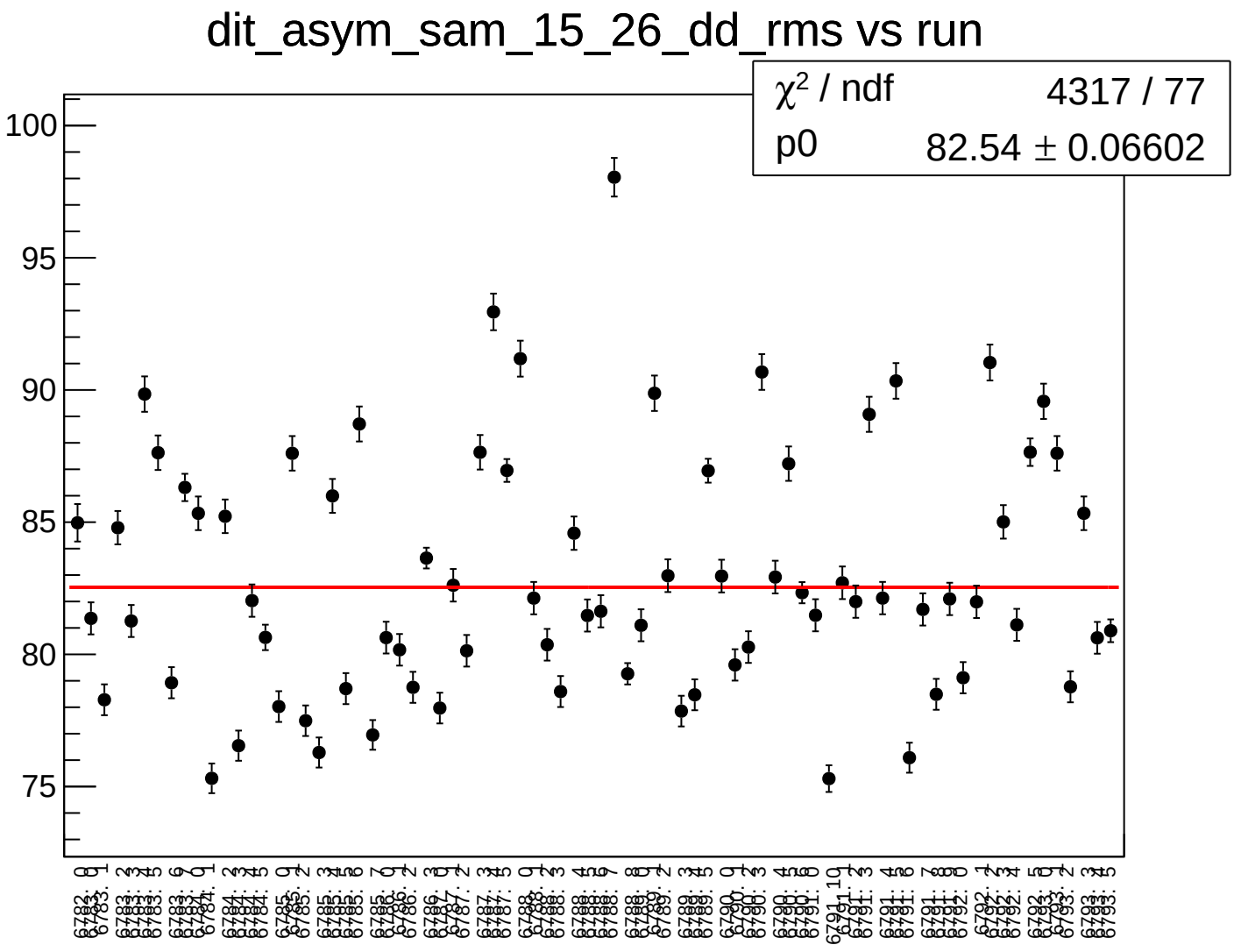

asym_sam_37_48_dd_mean vs run
χ² / ndf 85.01 / 77
p0 −742.6 ± 450.3
pull
Entries 78
Mean −1423
Std Dev 1458

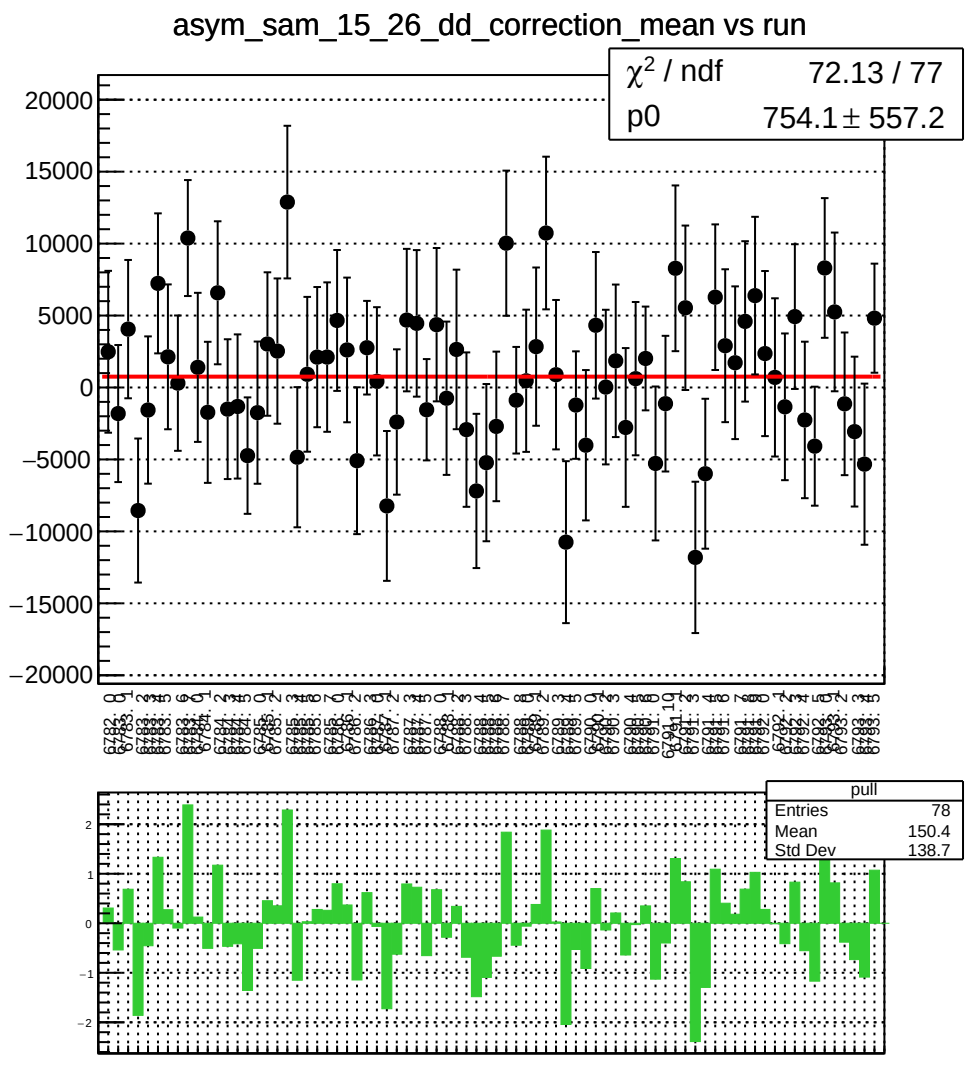

pull1D
Entries 78
Mean −0.002032
Std Dev 1.044

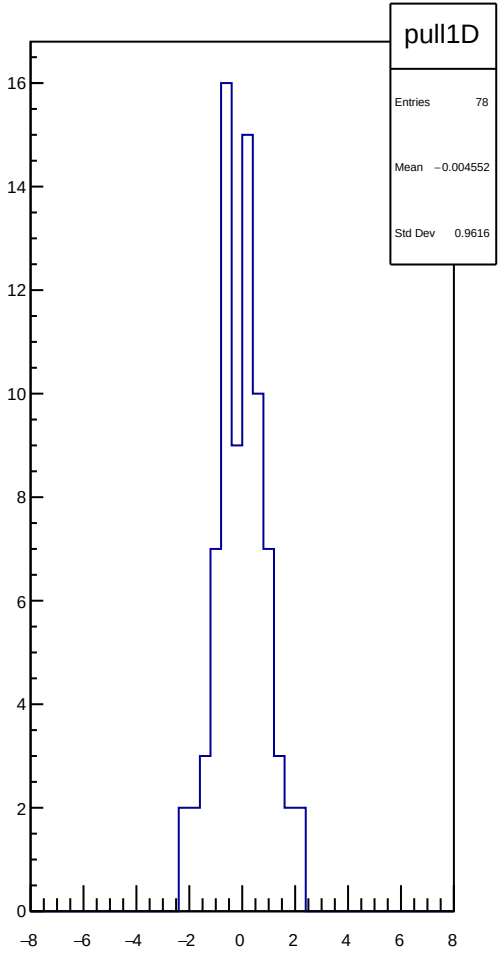

asym_sam_37_48_dd_rms vs run
χ² / ndf 1.791e+04 / 77
p0 396.4 ± 0.3184
500
450
400
350
300

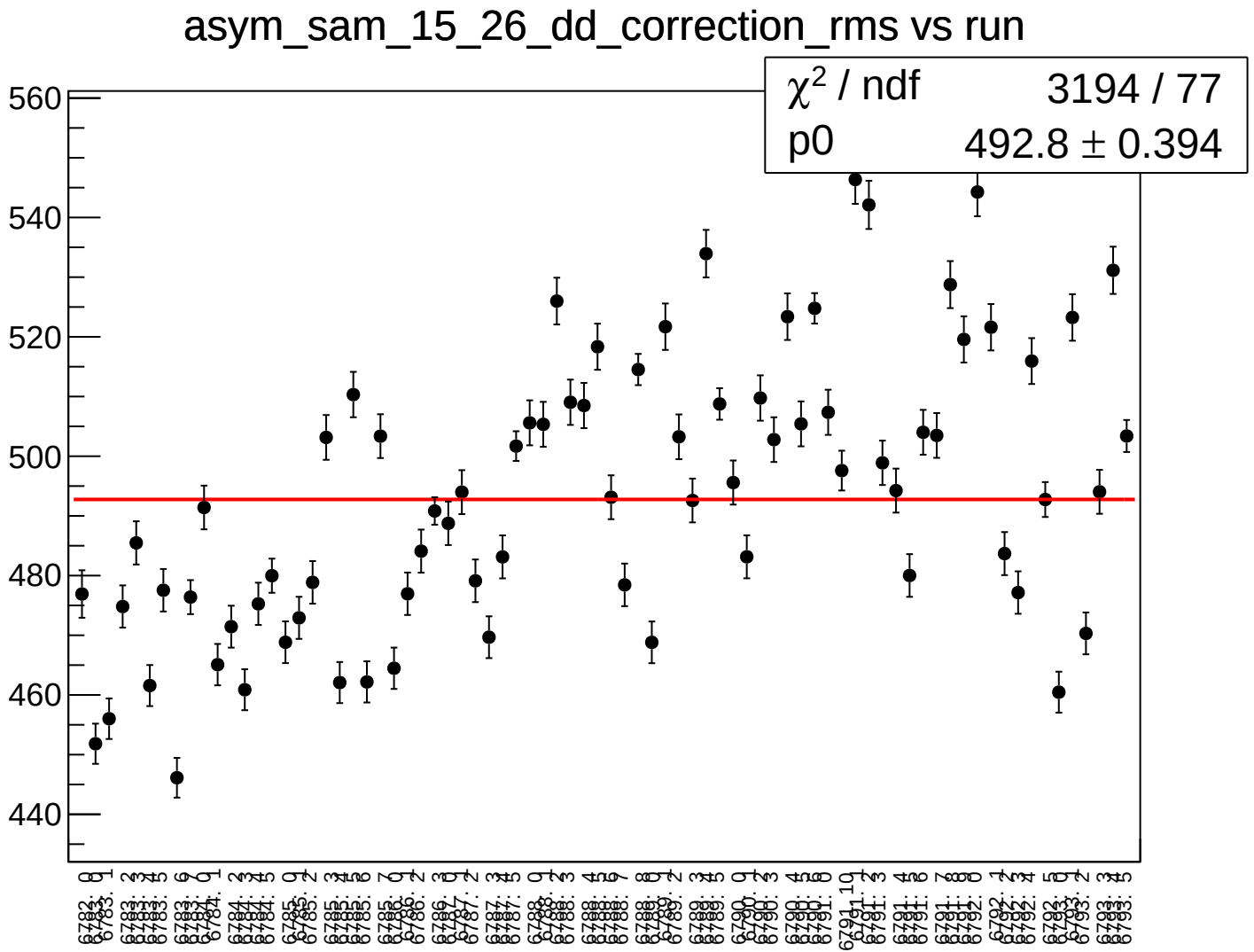

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 63.96 / 77
p0 −249.7 ± 93.36
pull
Entries 78
Mean −22.23
Std Dev 28.18

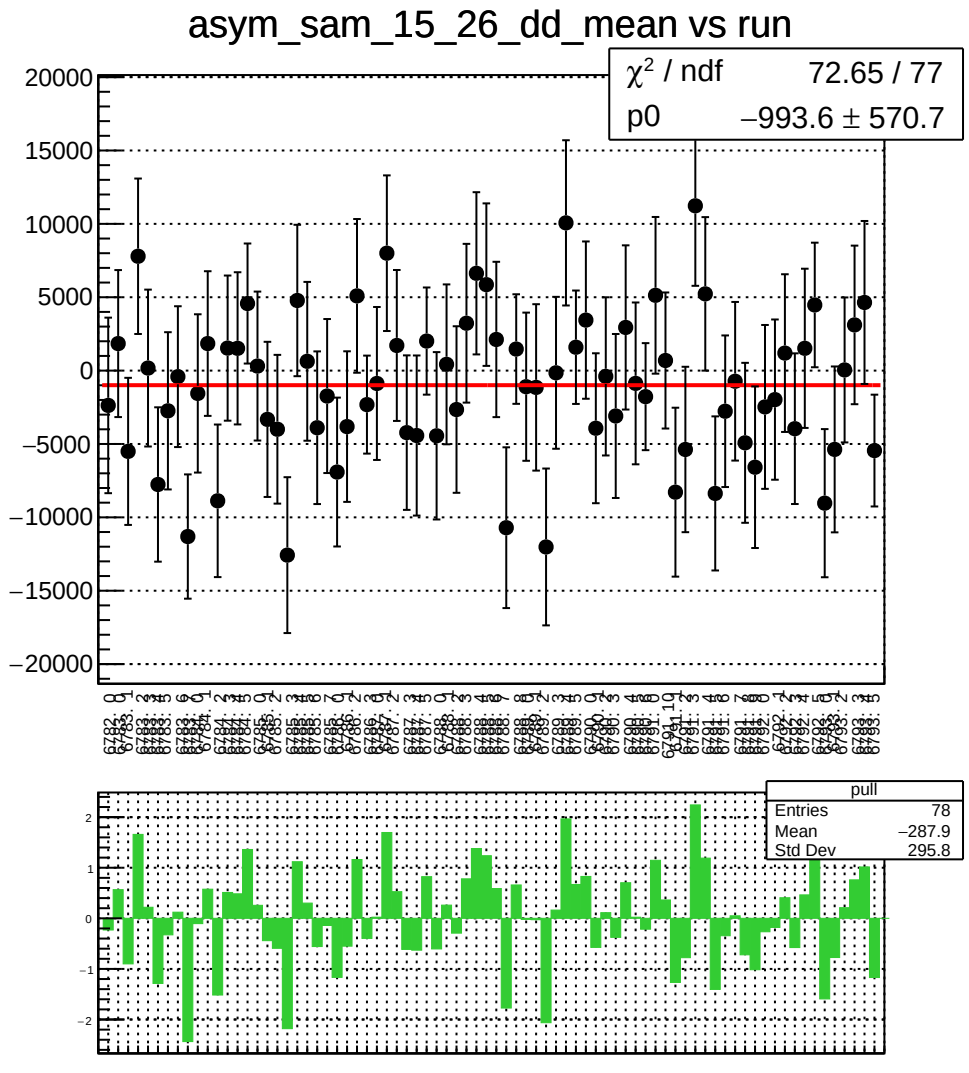

pull1D
Entries 78
Mean −0.03587
Std Dev 0.9048

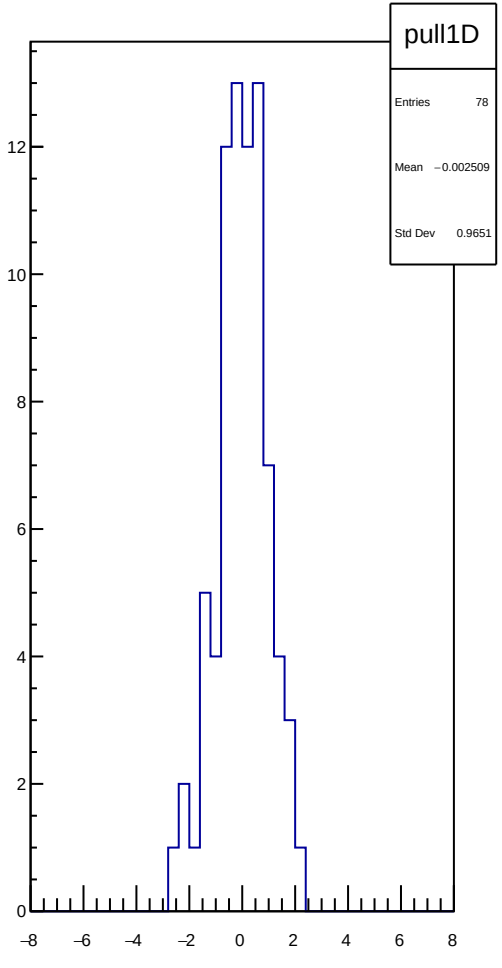

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4317 / 77
p0 82.54 ± 0.06602
100
95
90
85
80
75

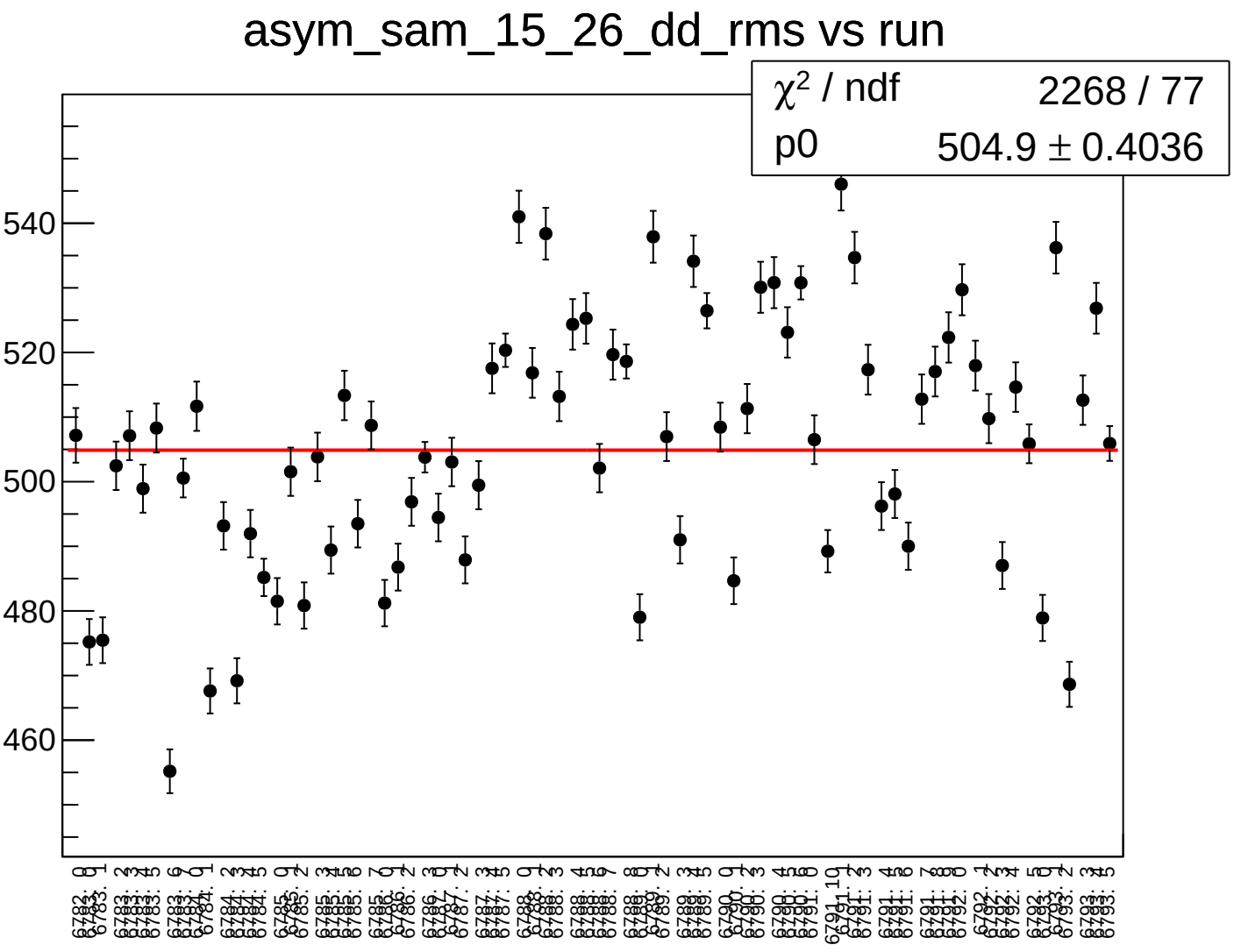

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 72.13 / 77
p0 754.1 ± 557.2
pull
Entries 78
Mean 150.4
Std Dev 138.7

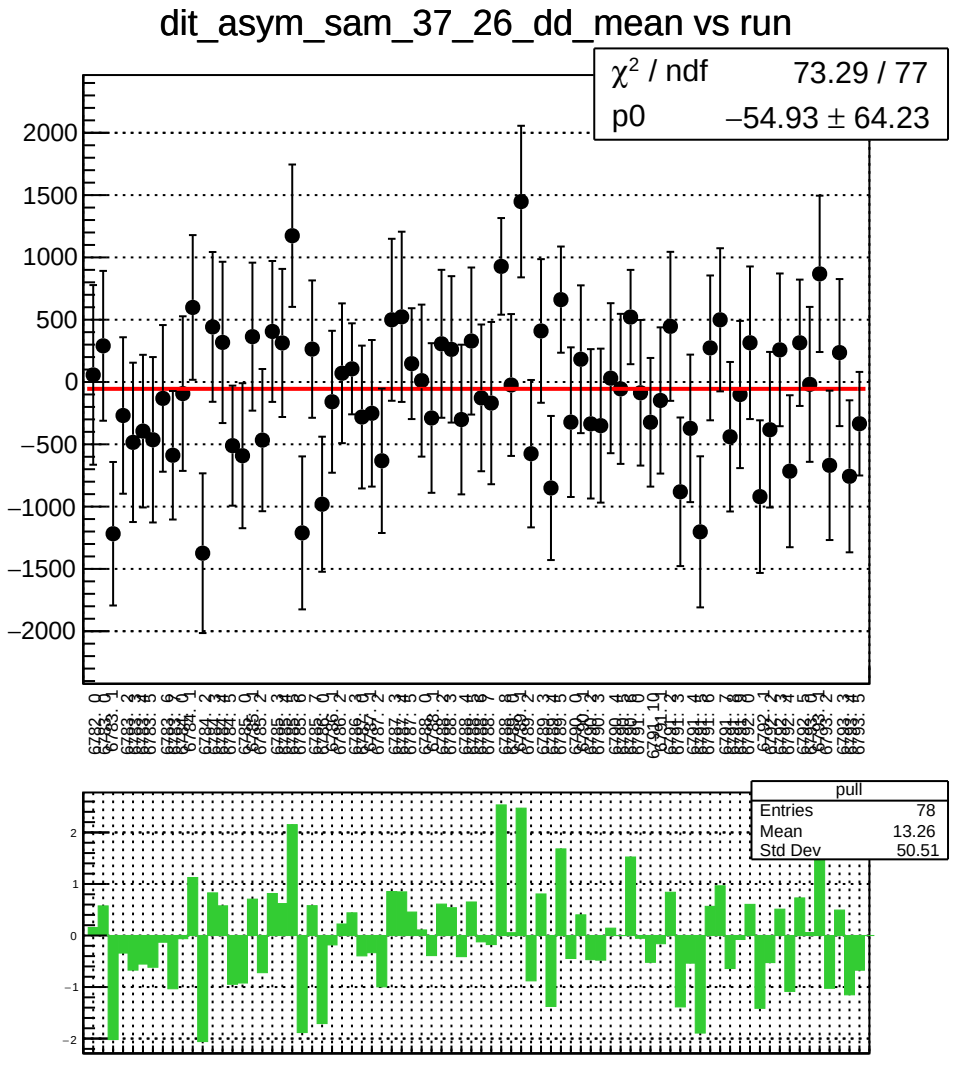

pull1D
Entries 78
Mean −0.004552
Std Dev 0.9616

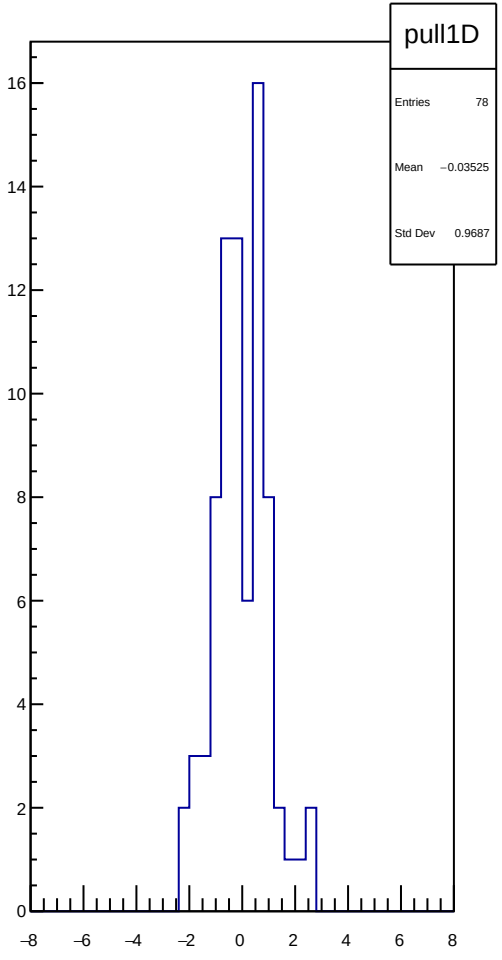

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3194 / 77
p0 492.8 ± 0.394
560
540
520
500
480
460
440

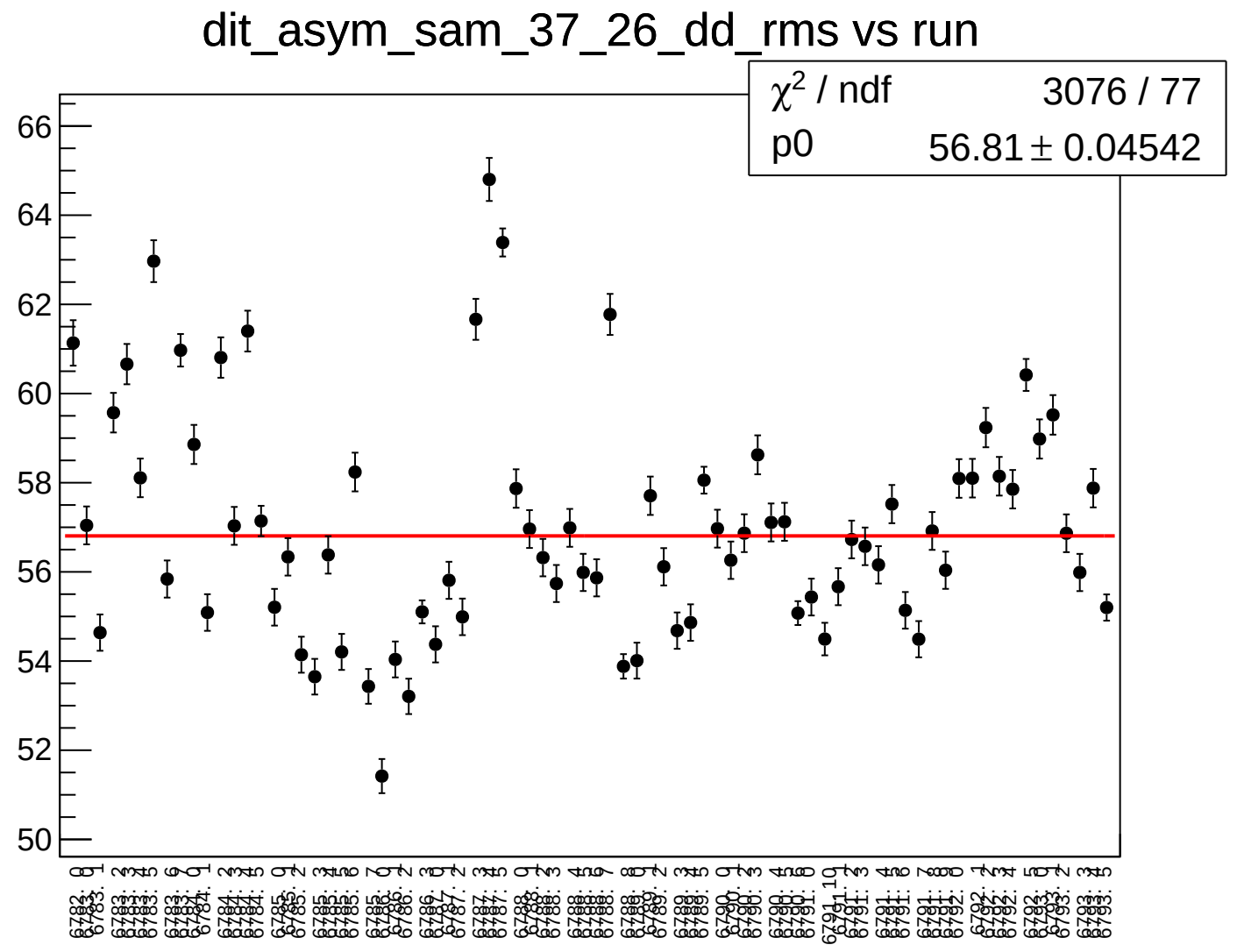

asym_sam_15_26_dd_mean vs run
χ² / ndf 72.65 / 77
p0 −993.6 ± 570.7
pull
Entries 78
Mean −287.9
Std Dev 295.8

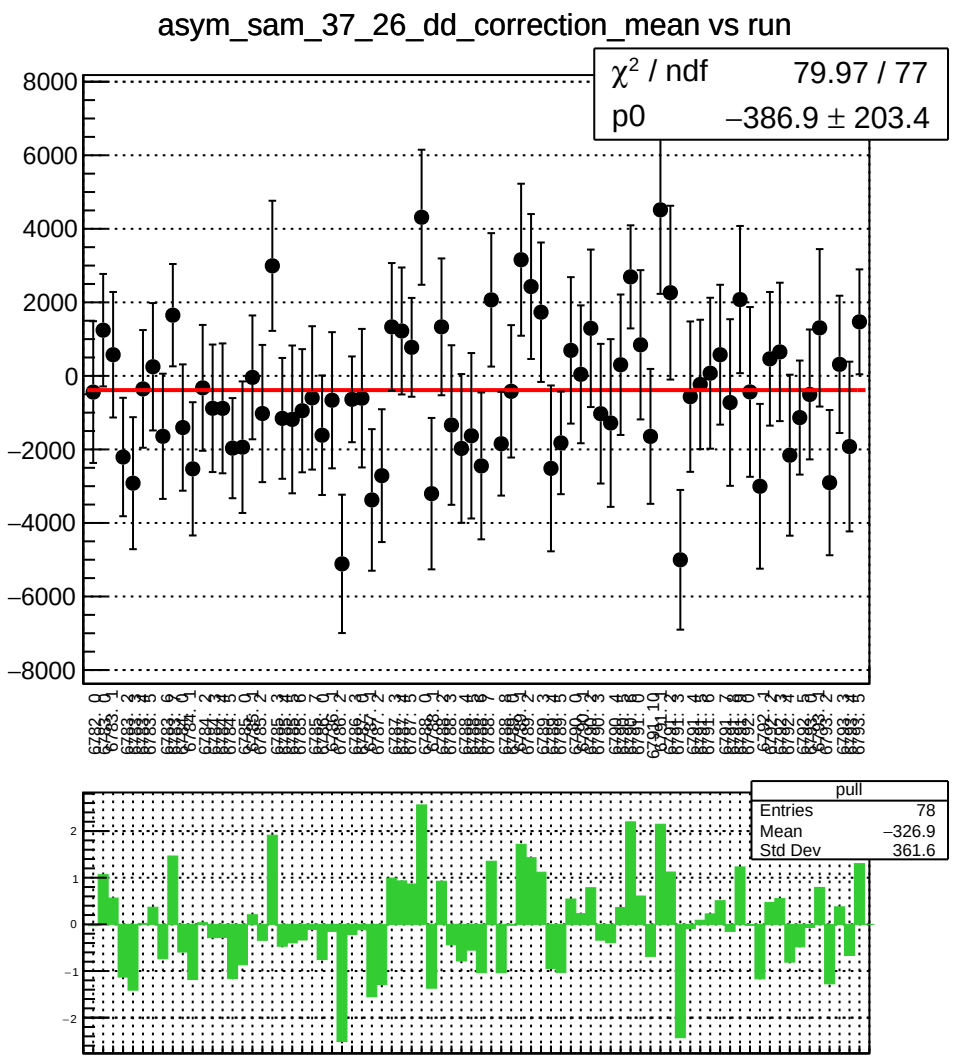

pull1D
Entries 78
Mean −0.002509
Std Dev 0.9651

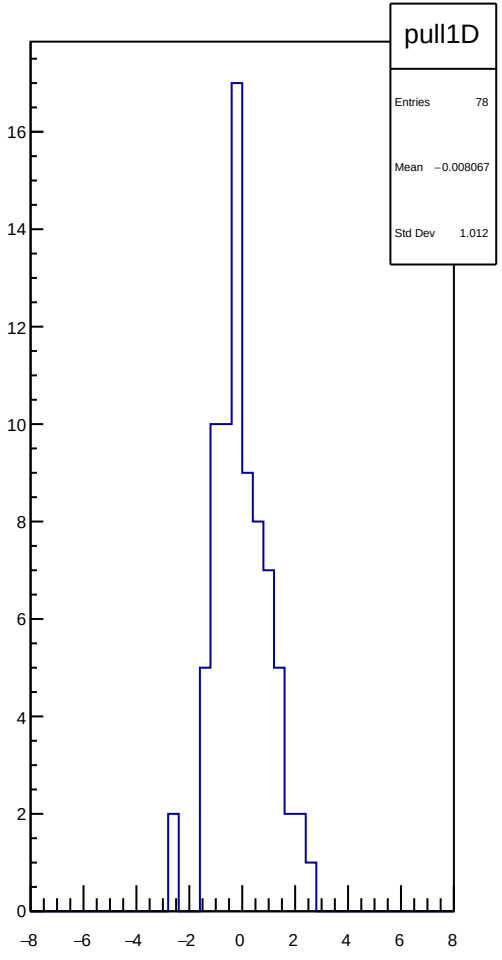

asym_sam_15_26_dd_rms vs run
χ² / ndf 2268 / 77
p0 504.9 ± 0.4036
540
520
500
480
460

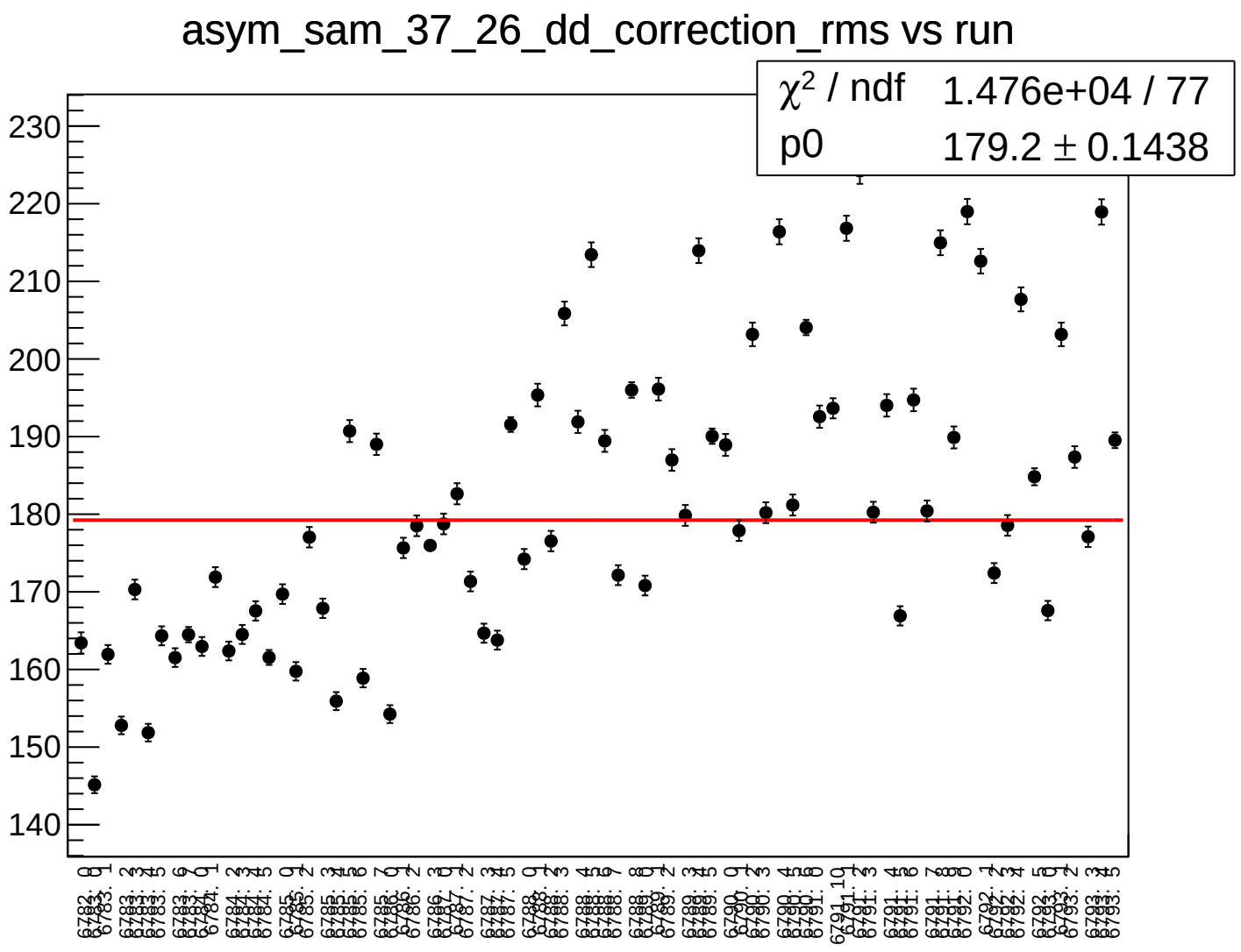

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 73.29 / 77
p0 −54.93 ± 64.23
pull
Entries 78
Mean 13.26
Std Dev 50.51

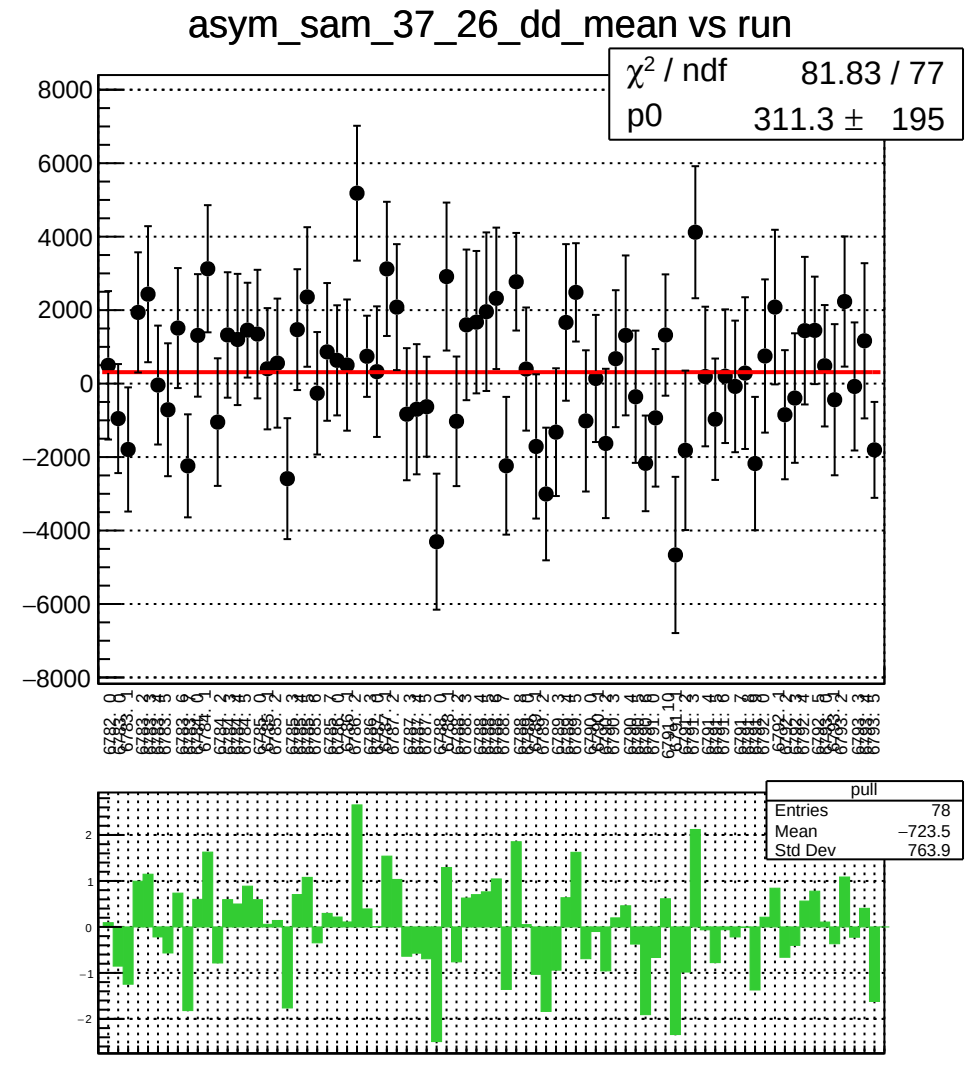

pull1D
Entries 78
Mean −0.03525
Std Dev 0.9687

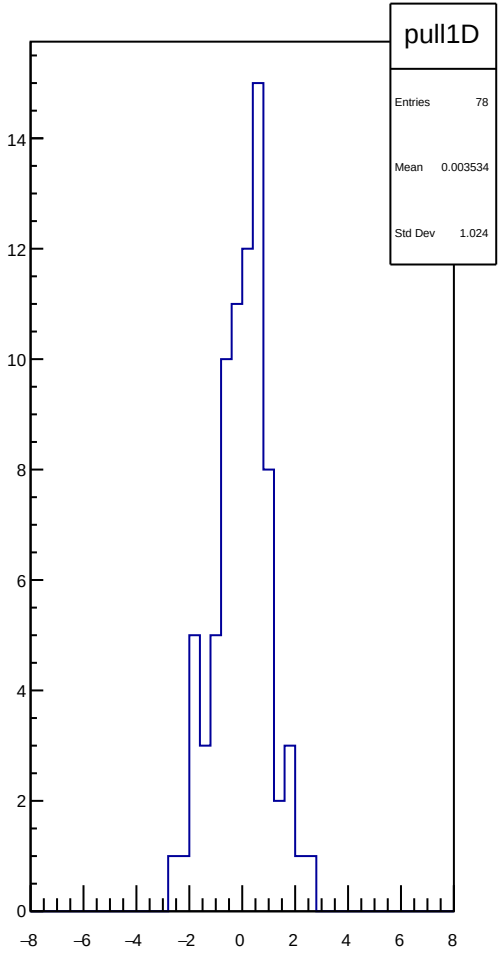

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 3076 / 77
p0 56.81 ± 0.04542
66
64
62
60
58
56
54
52
50

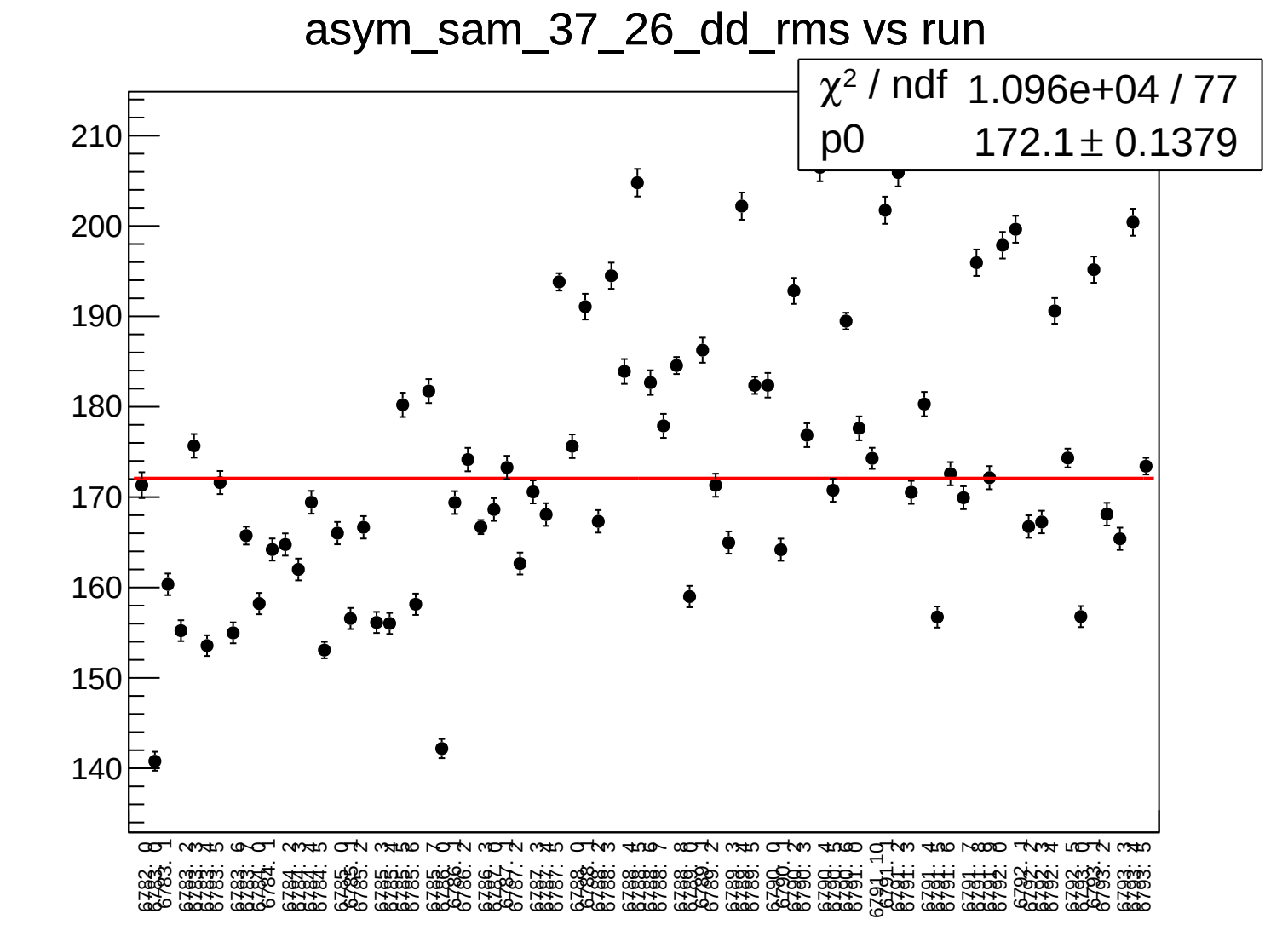

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 79.97 / 77
p0 −386.9 ± 203.4
pull
Entries 78
Mean −326.9
Std Dev 361.6

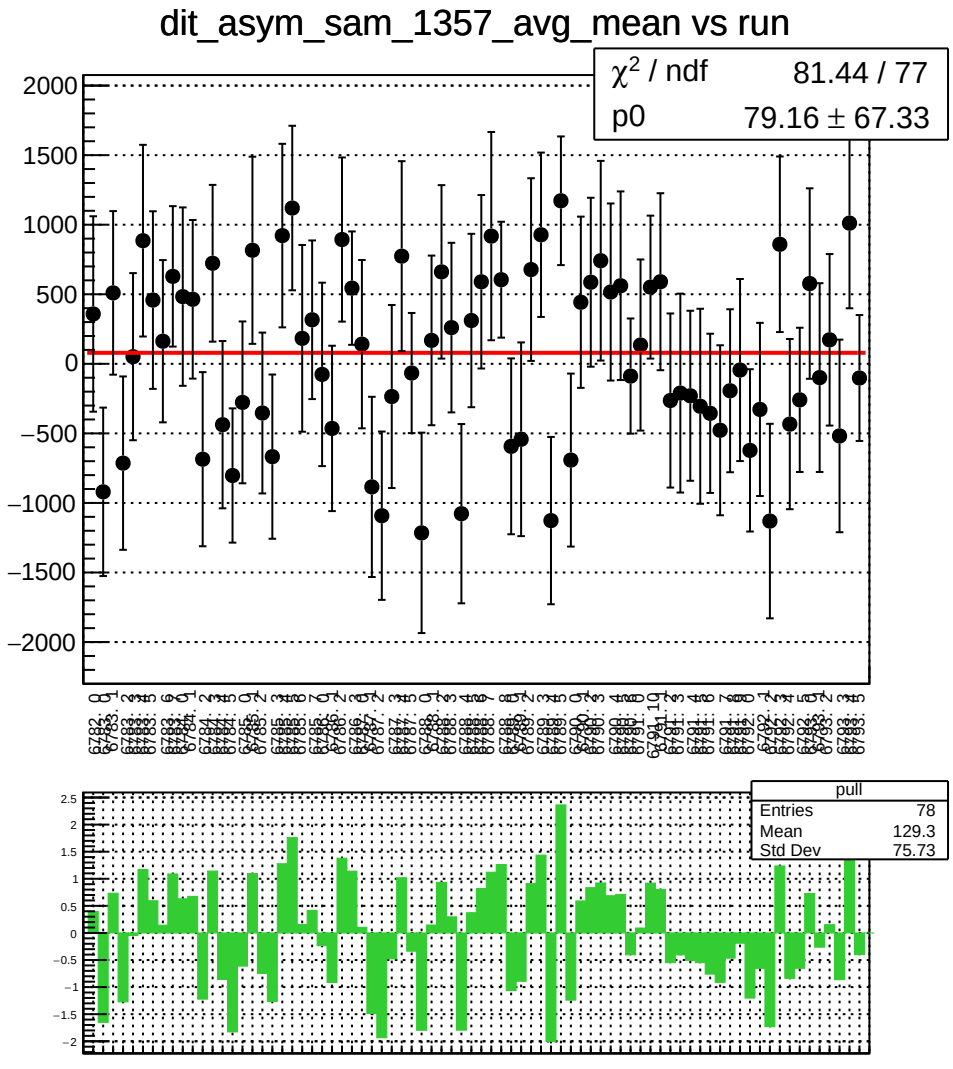

pull1D
Entries 78
Mean −0.008067
Std Dev 1.012

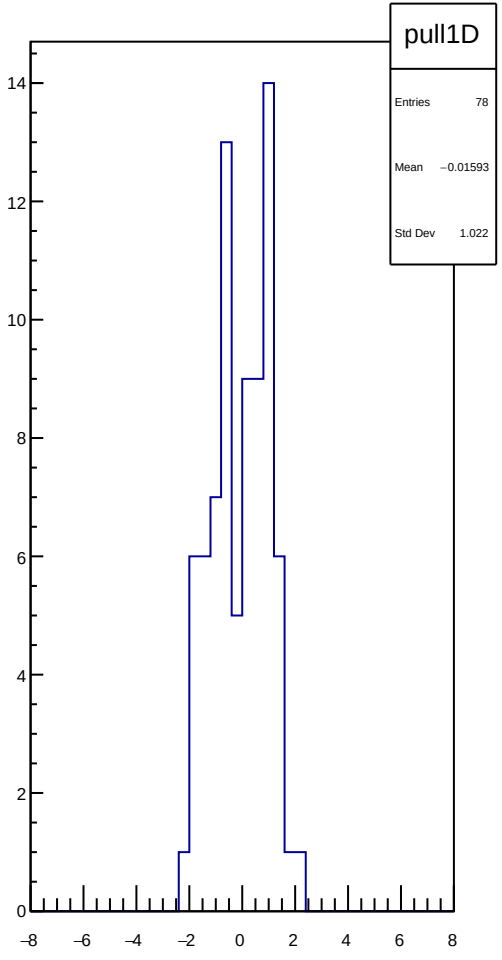

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.476e+04 / 77
p0 179.2 ± 0.1438
230
220
210
200
190
180
170
160
150
140

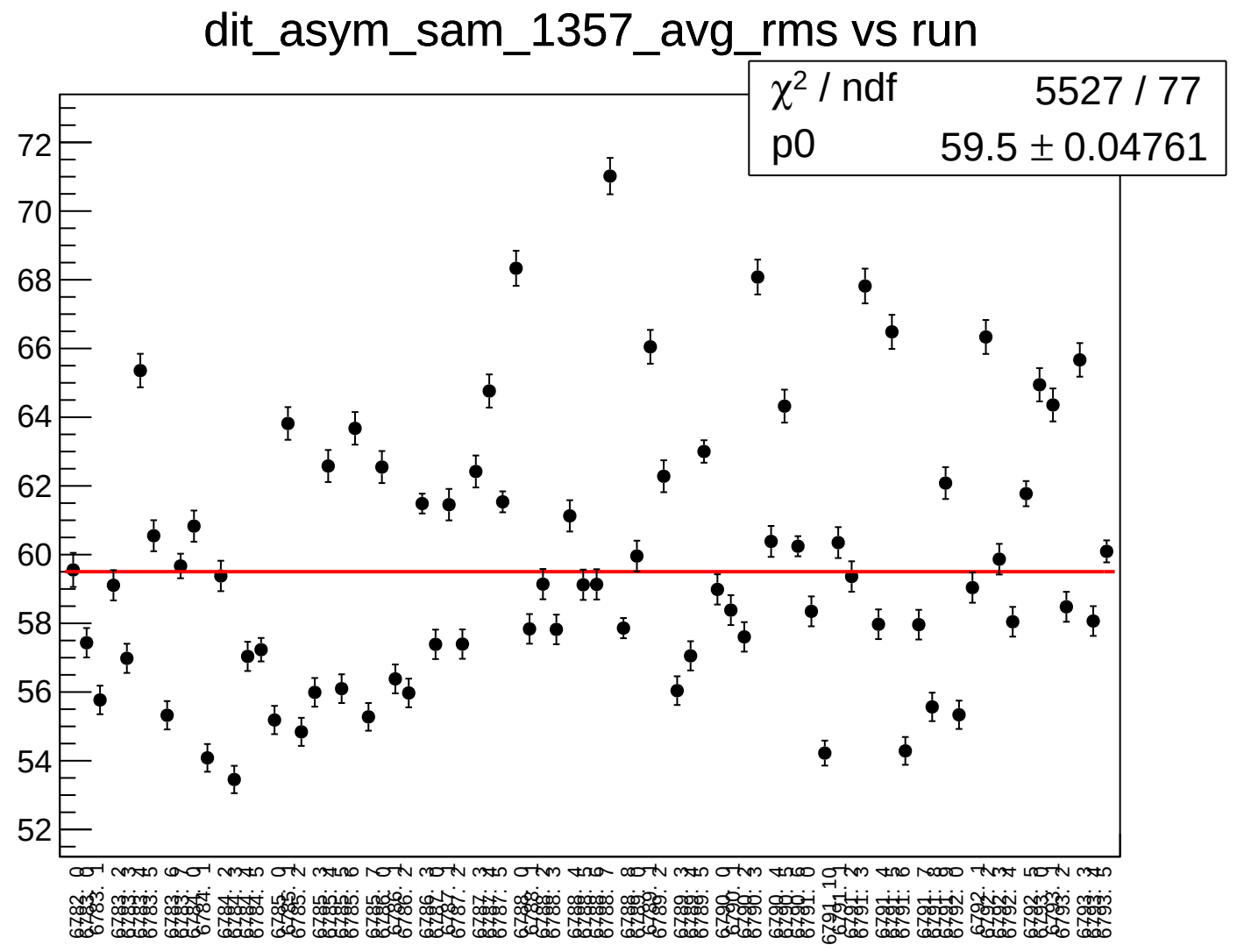

asym_sam_37_26_dd_mean vs run
χ² / ndf 81.83 / 77
p0 311.3 ± 195
pull
Entries 78
Mean −723.5
Std Dev 763.9

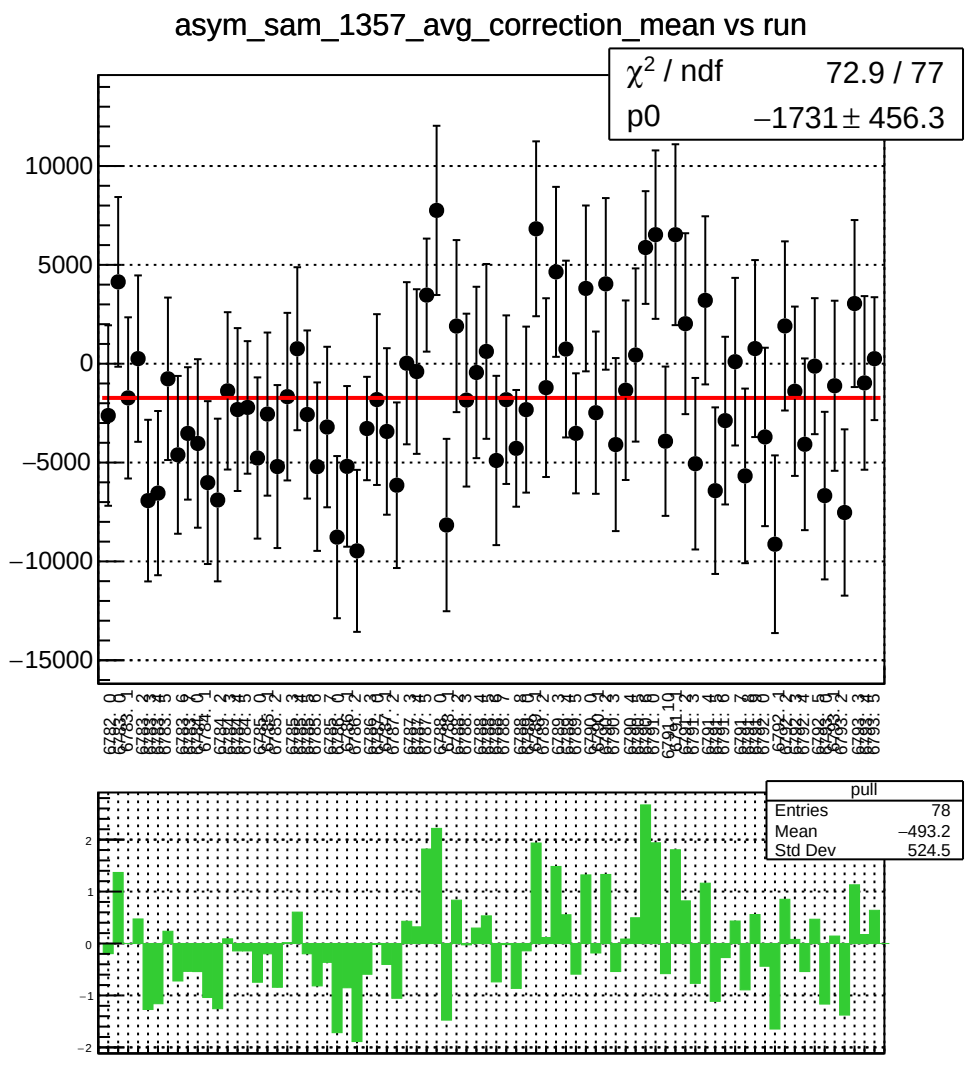

pull1D
Entries 78
Mean 0.003534
Std Dev 1.024

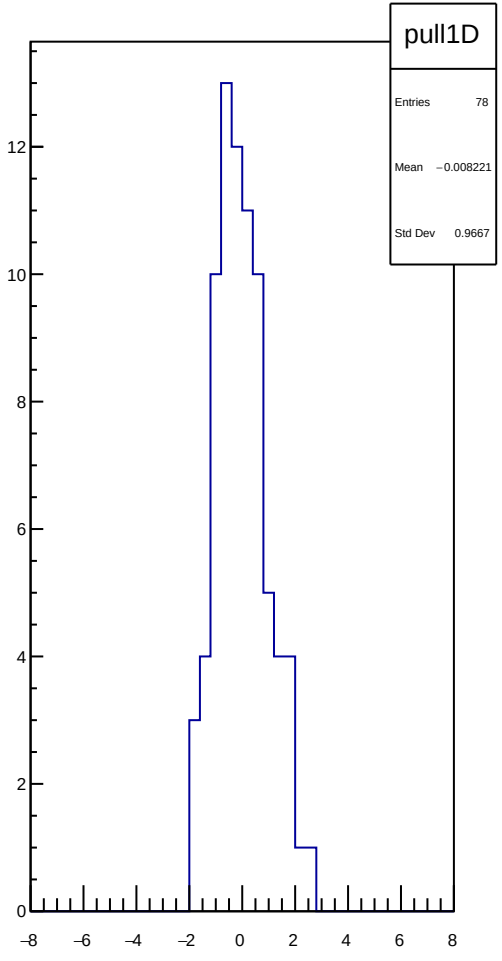

asym_sam_37_26_dd_rms vs run
χ² / ndf 1.096e+04 / 77
p0 172.1 ± 0.1379
210
200
190
180
170
160
150
140

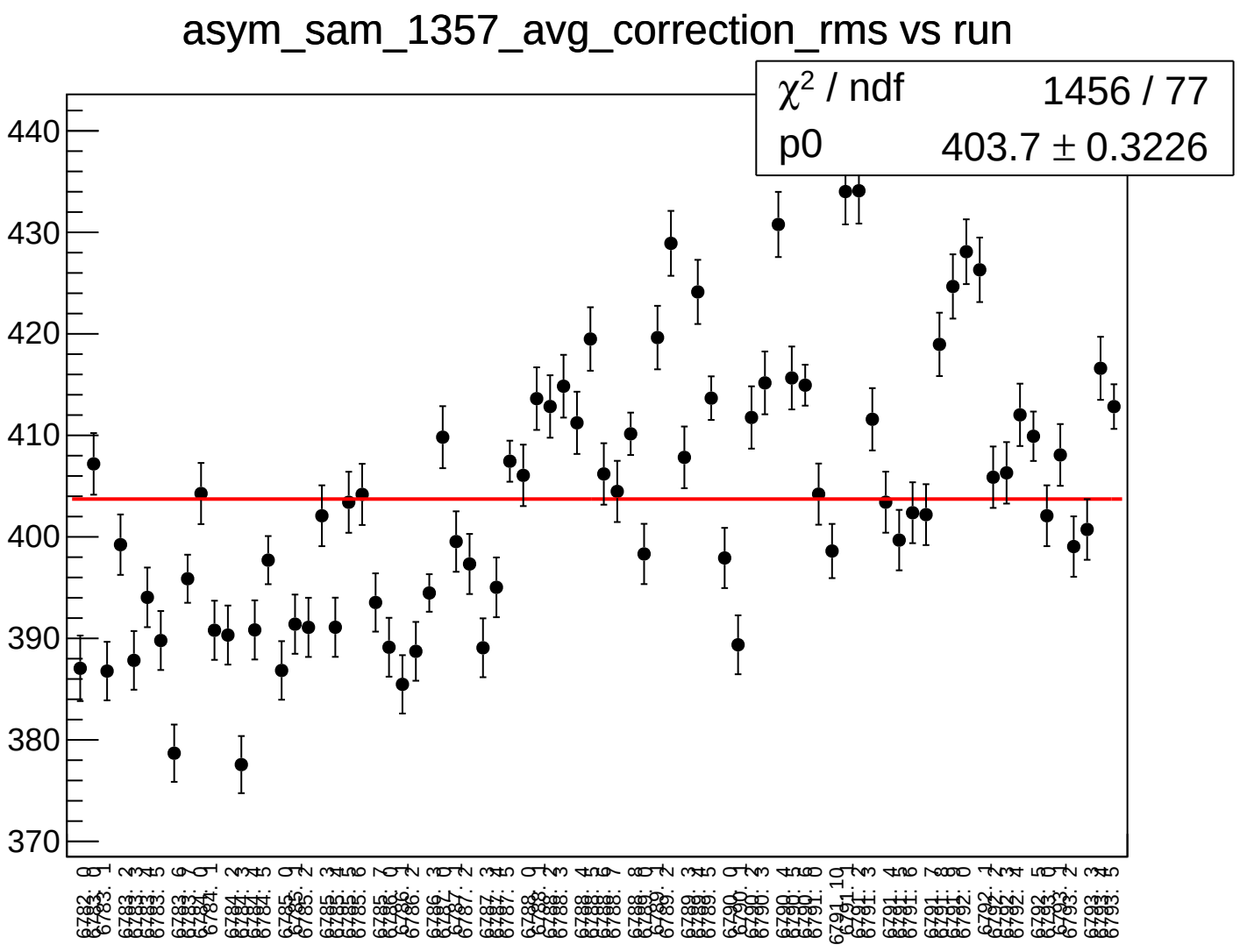

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.44 / 77
p0 79.16 ± 67.33
pull
Entries 78
Mean 129.3
Std Dev 75.73

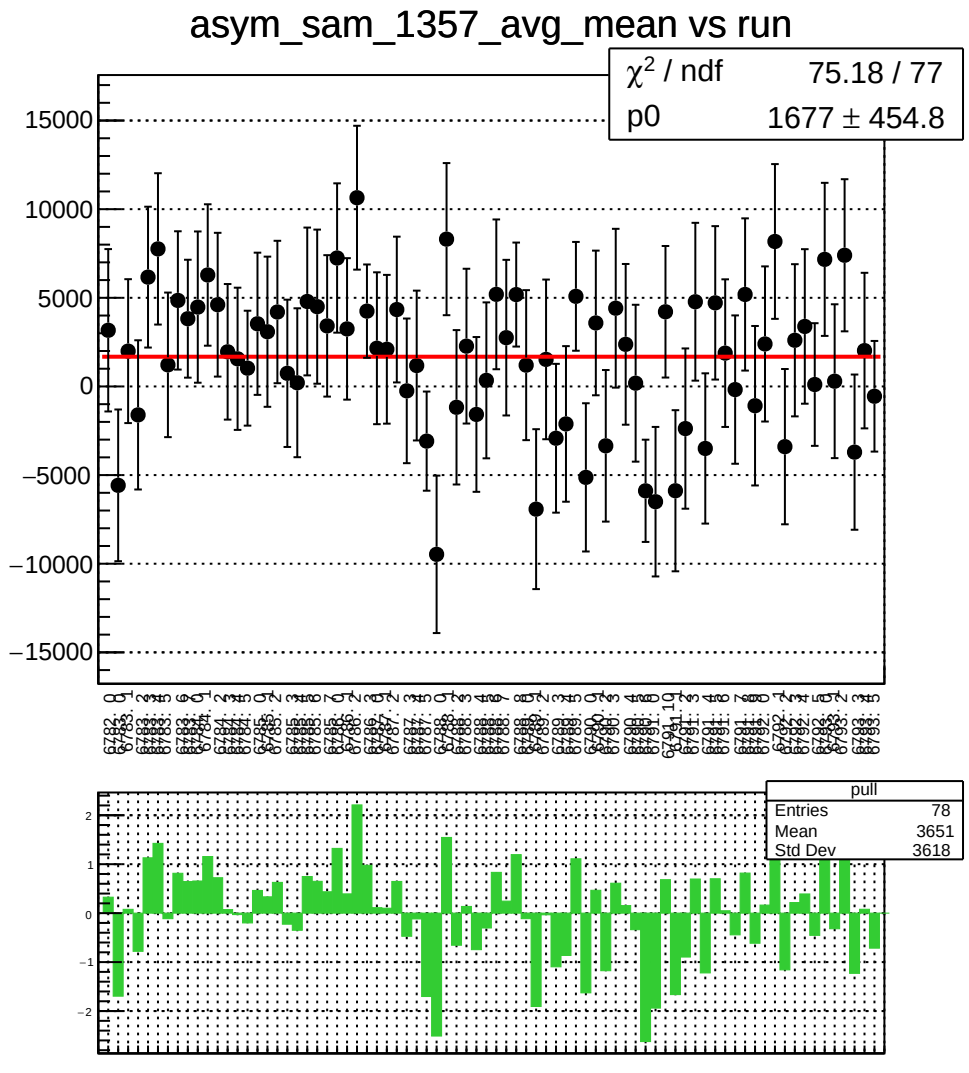

pull1D
Entries 78
Mean −0.01593
Std Dev 1.022

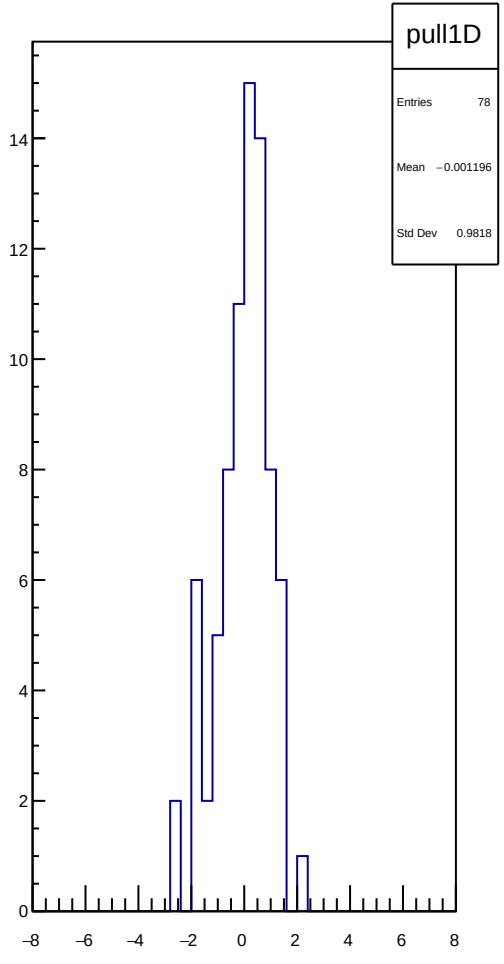

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5527 / 77
p0 59.5 ± 0.04761
72
70
68
66
64
62
60
58
56
54
52

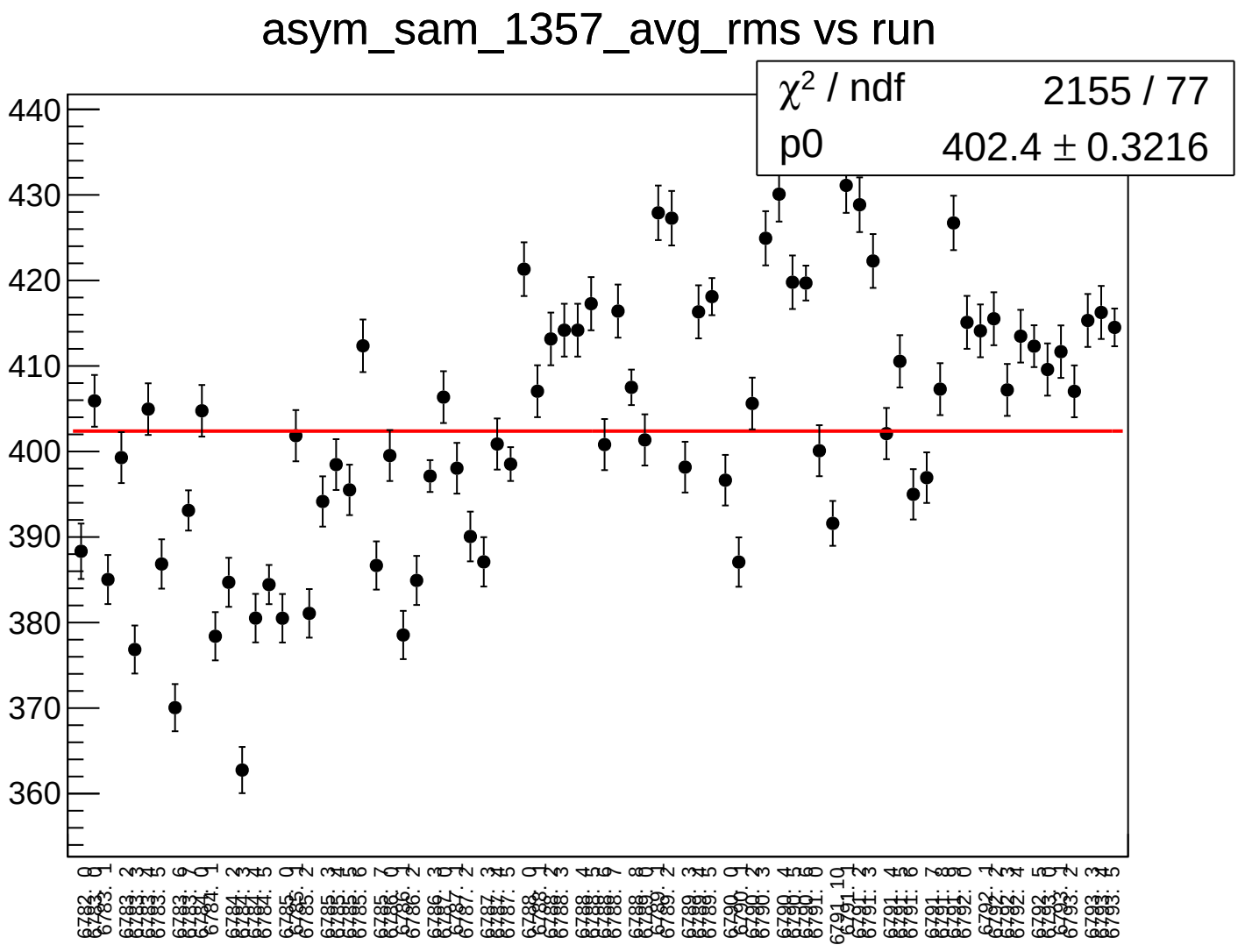

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.9 / 77
p0 −1731 ± 456.3
pull
Entries 78
Mean −493.2
Std Dev 524.5

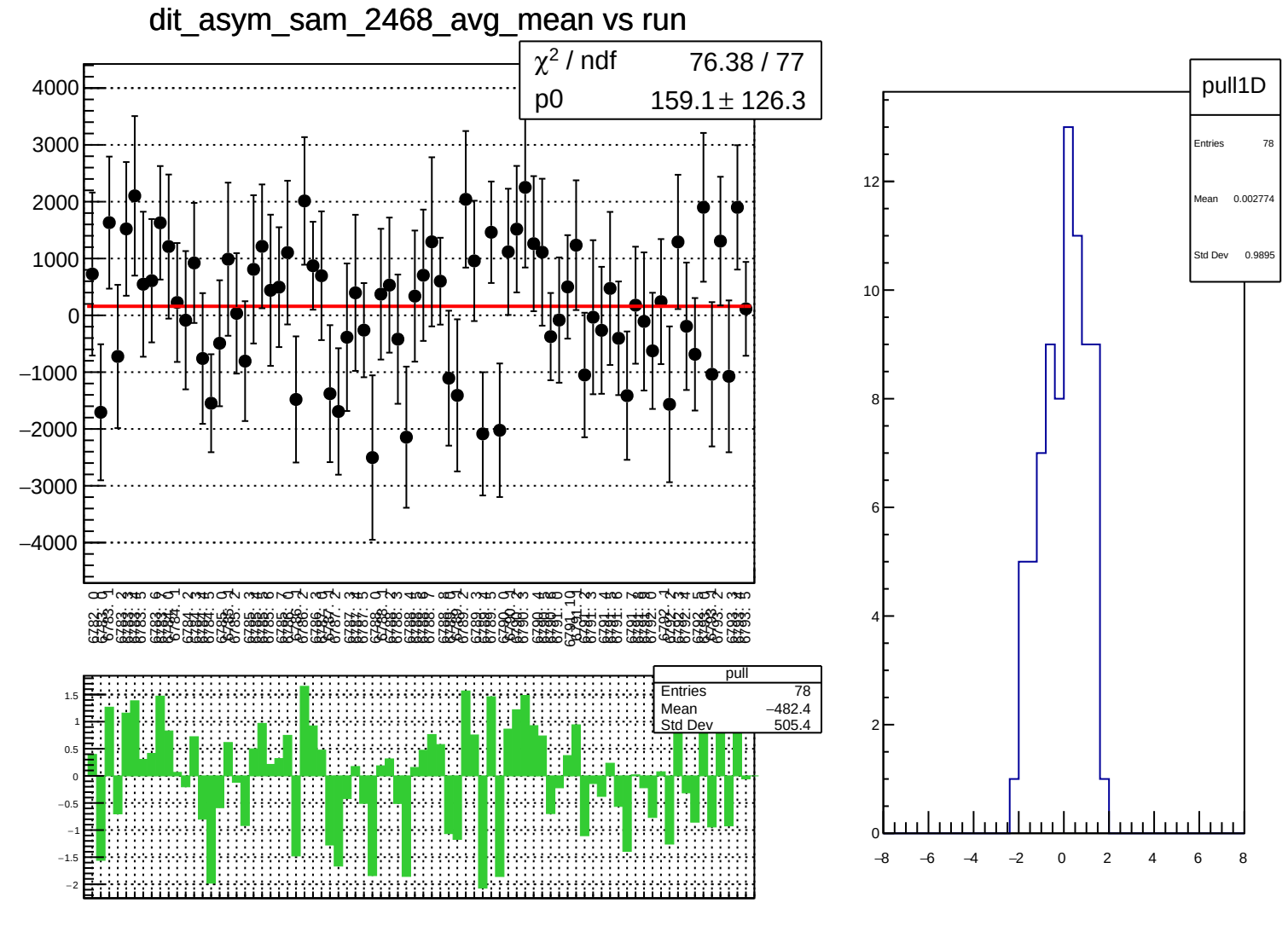

pull1D
Entries 78
Mean −0.008221
Std Dev 0.9667

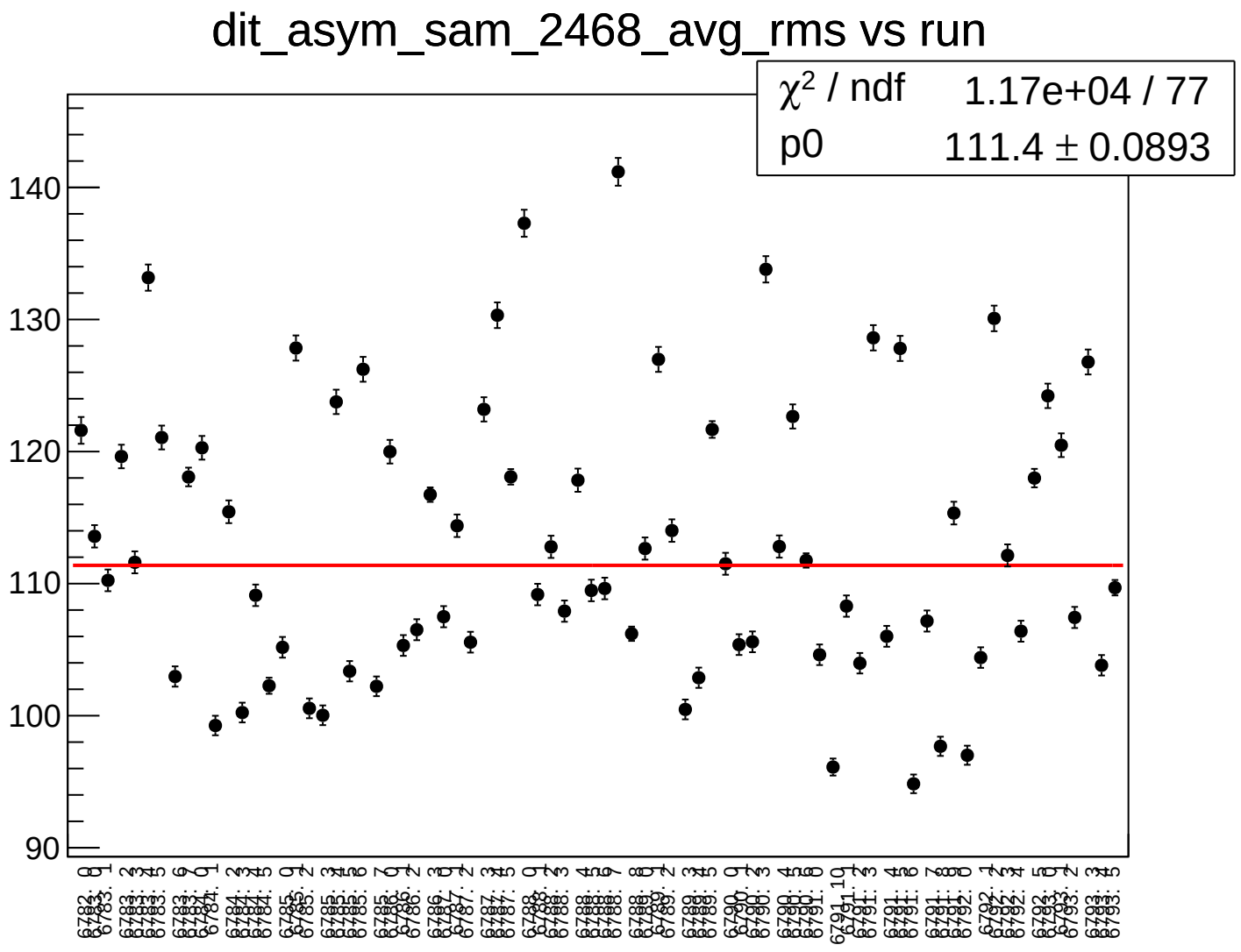

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1456 / 77
p0 403.7 ± 0.3226
440
430
420
410
400
390
380
370

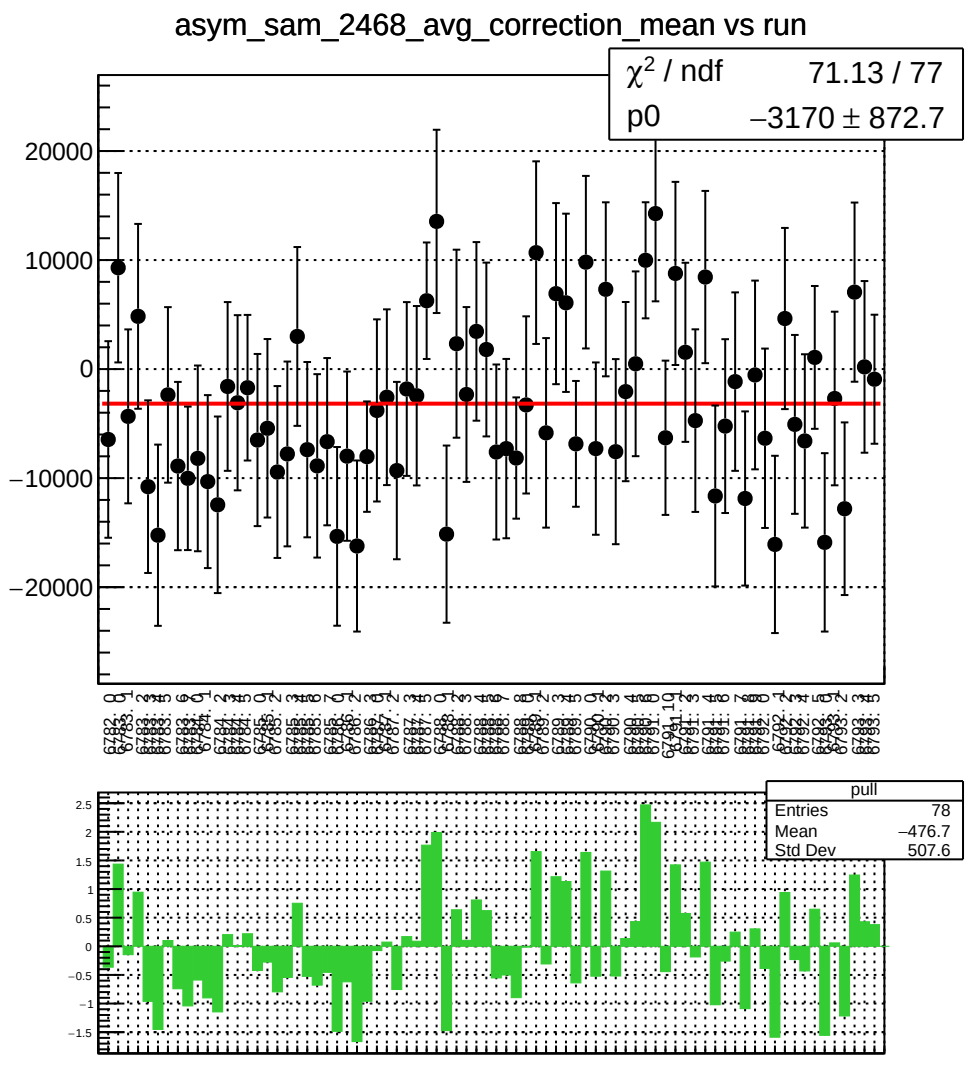

asym_sam_1357_avg_mean vs run
χ² / ndf 75.18 / 77
p0 1677 ± 454.8
pull
Entries 78
Mean 3651
Std Dev 3618

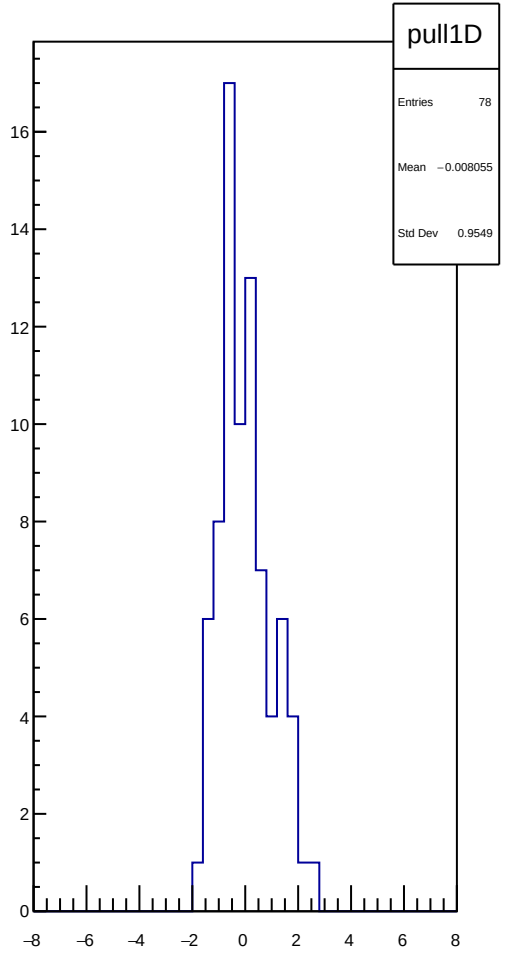

pull1D
Entries 78
Mean −0.001196
Std Dev 0.9818

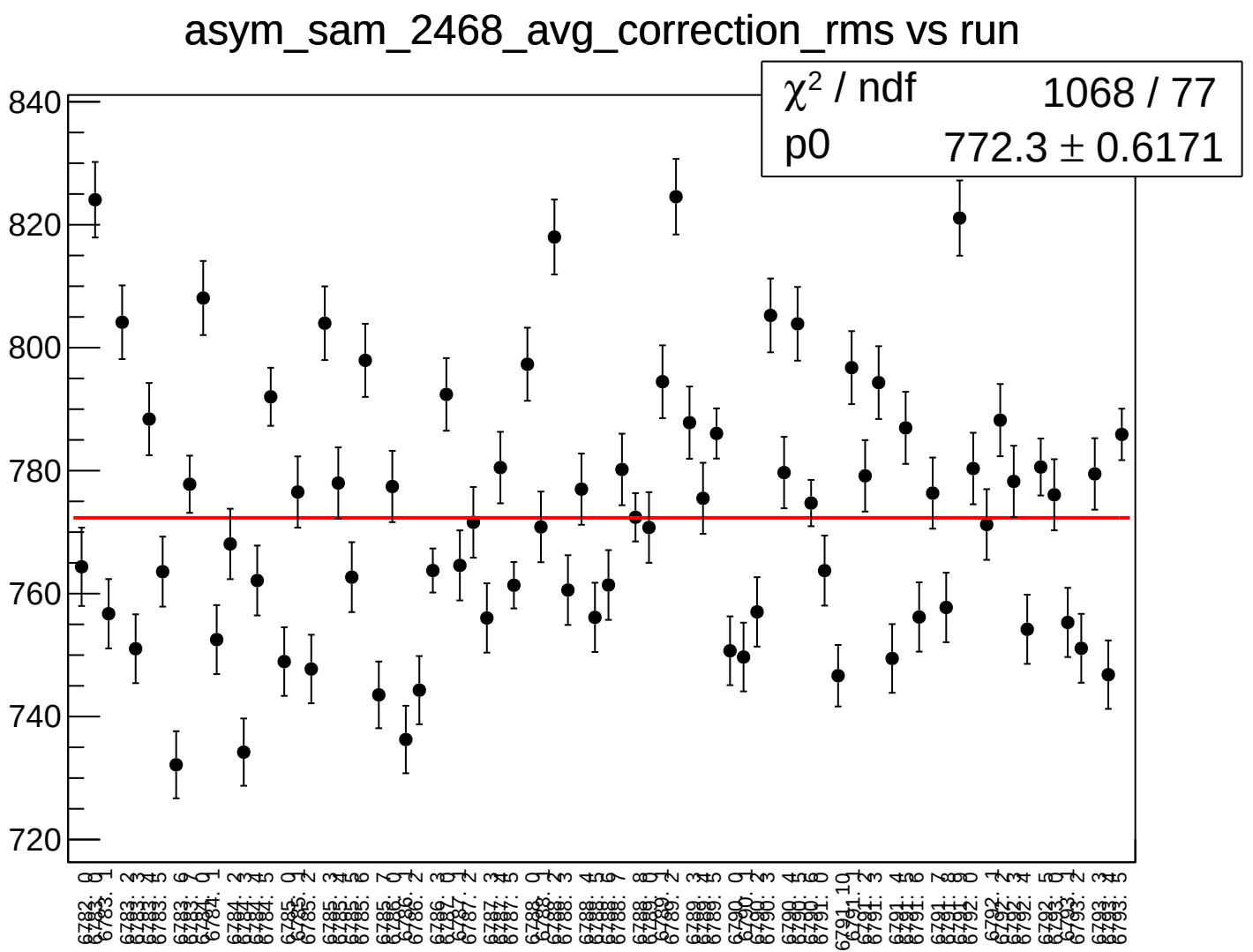

asym_sam_1357_avg_rms vs run
χ^2 / ndf 2155 / 77
p0 402.4 ± 0.3216
440
430
420
410
400
390
380
370
360

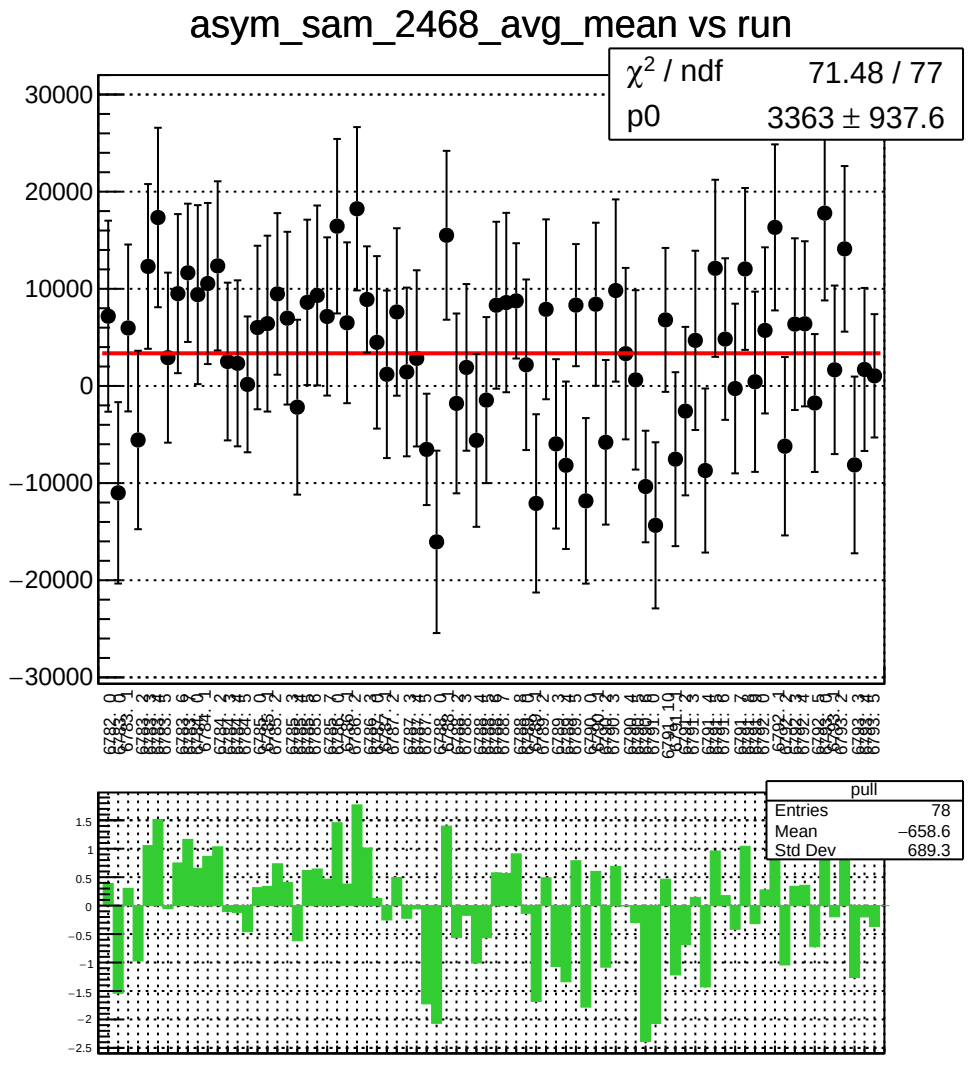

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 76.38 / 77
p0 159.1 ± 126.3
pull
Entries 78
Mean −482.4
Std Dev 505.4
pull1D
Entries 78
Mean 0.002774
Std Dev 0.9895

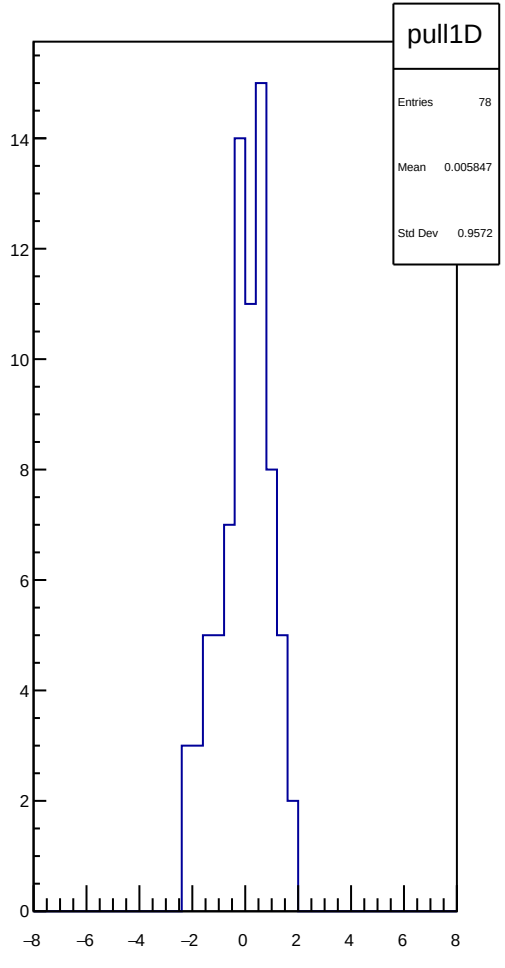

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.17e+04 / 77
p0 111.4 ± 0.0893
140
130
120
110
100
90

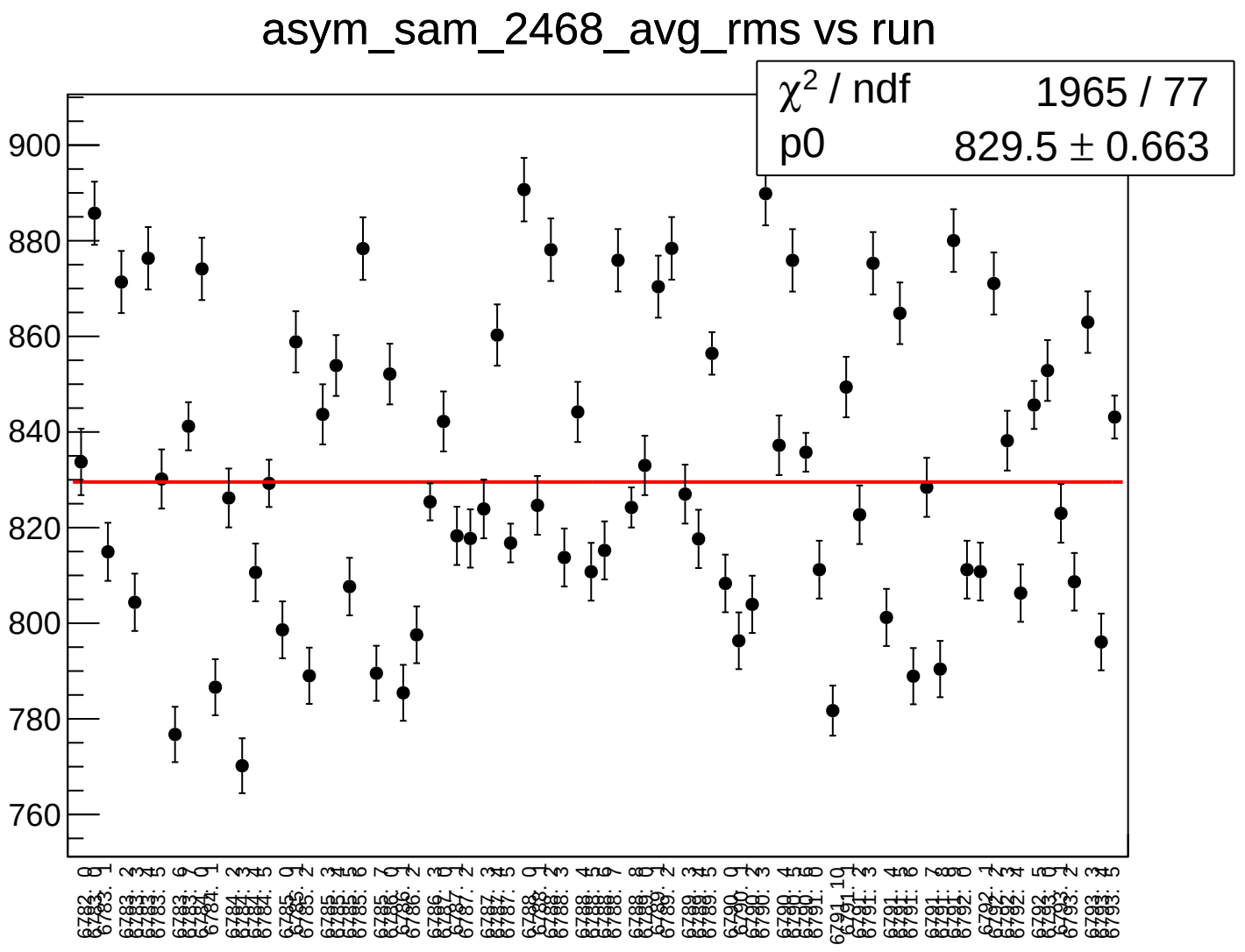

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 71.13 / 77
p0 −3170 ± 872.7
20000
10000
0
−10000
−20000
pull
Entries 78
Mean −476.7
Std Dev 507.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

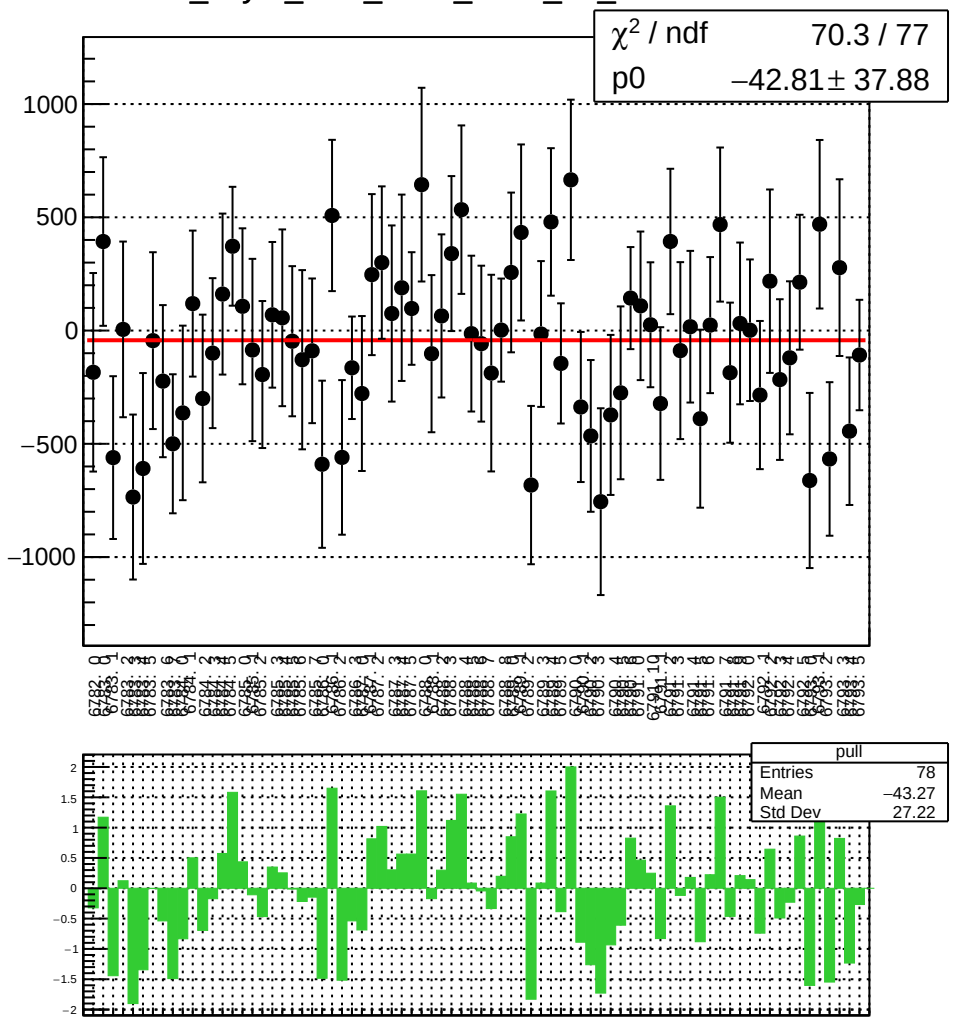

pull1D
Entries 78
Mean −0.008055
Std Dev 0.9549
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

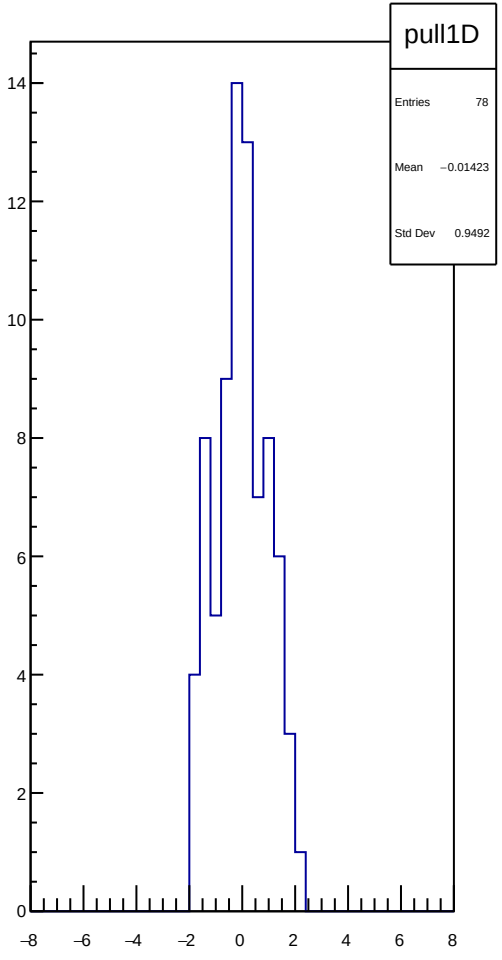

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1068 / 77
p0 772.3 ± 0.6171
840
820
800
780
760
740
720

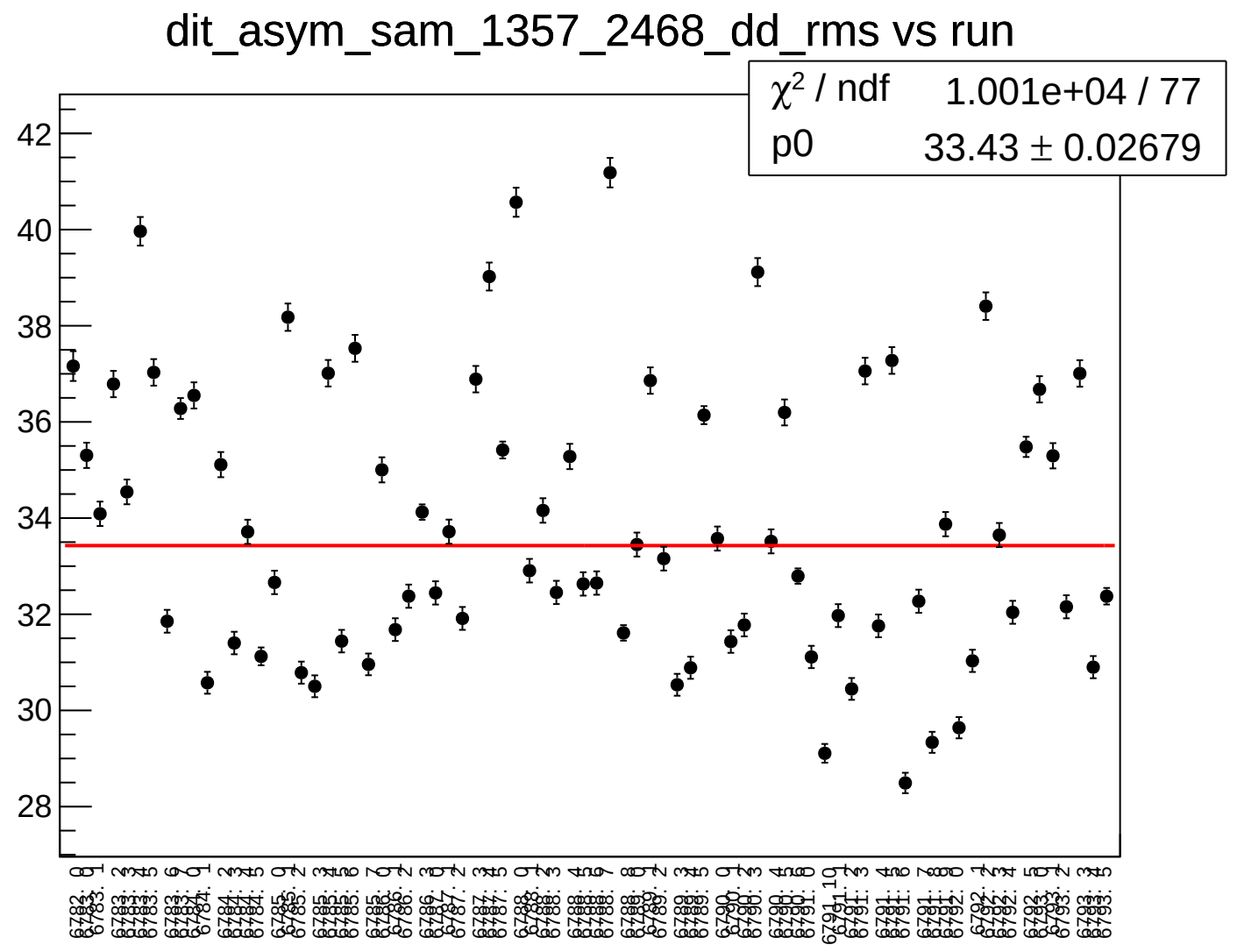

asym_sam_2468_avg_mean vs run
χ² / ndf 71.48 / 77
p0 3363 ± 937.6
pull
Entries 78
Mean −658.6
Std Dev 689.3

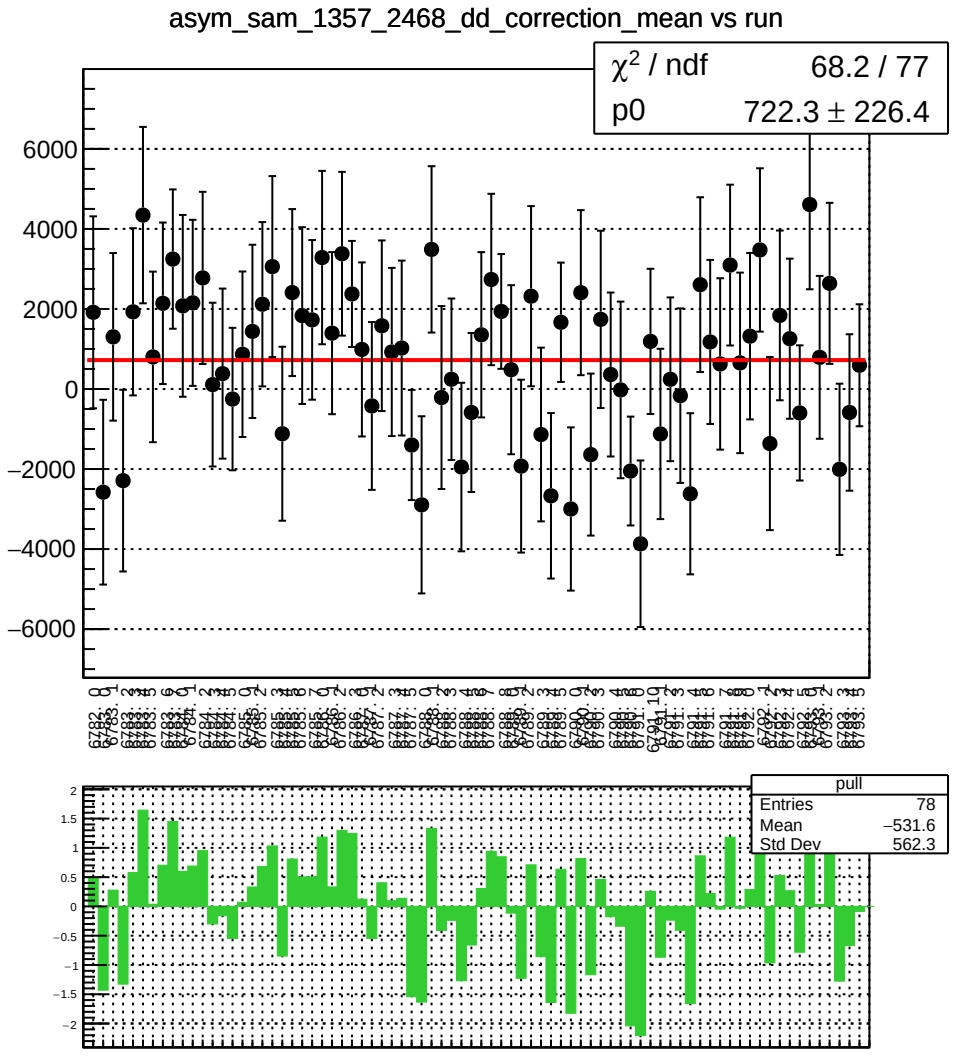

pull1D
Entries 78
Mean 0.005847
Std Dev 0.9572

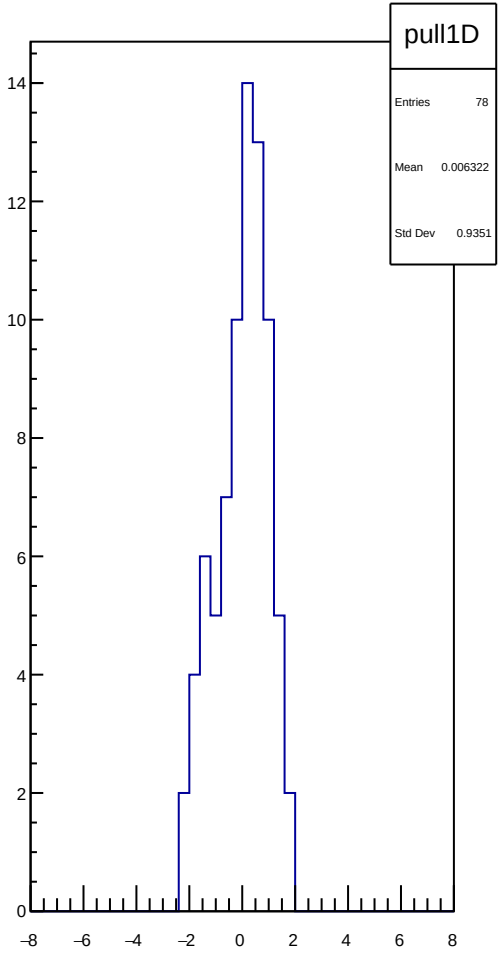

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1965 / 77
p0 829.5 ± 0.663
900
880
860
840
820
800
780
760

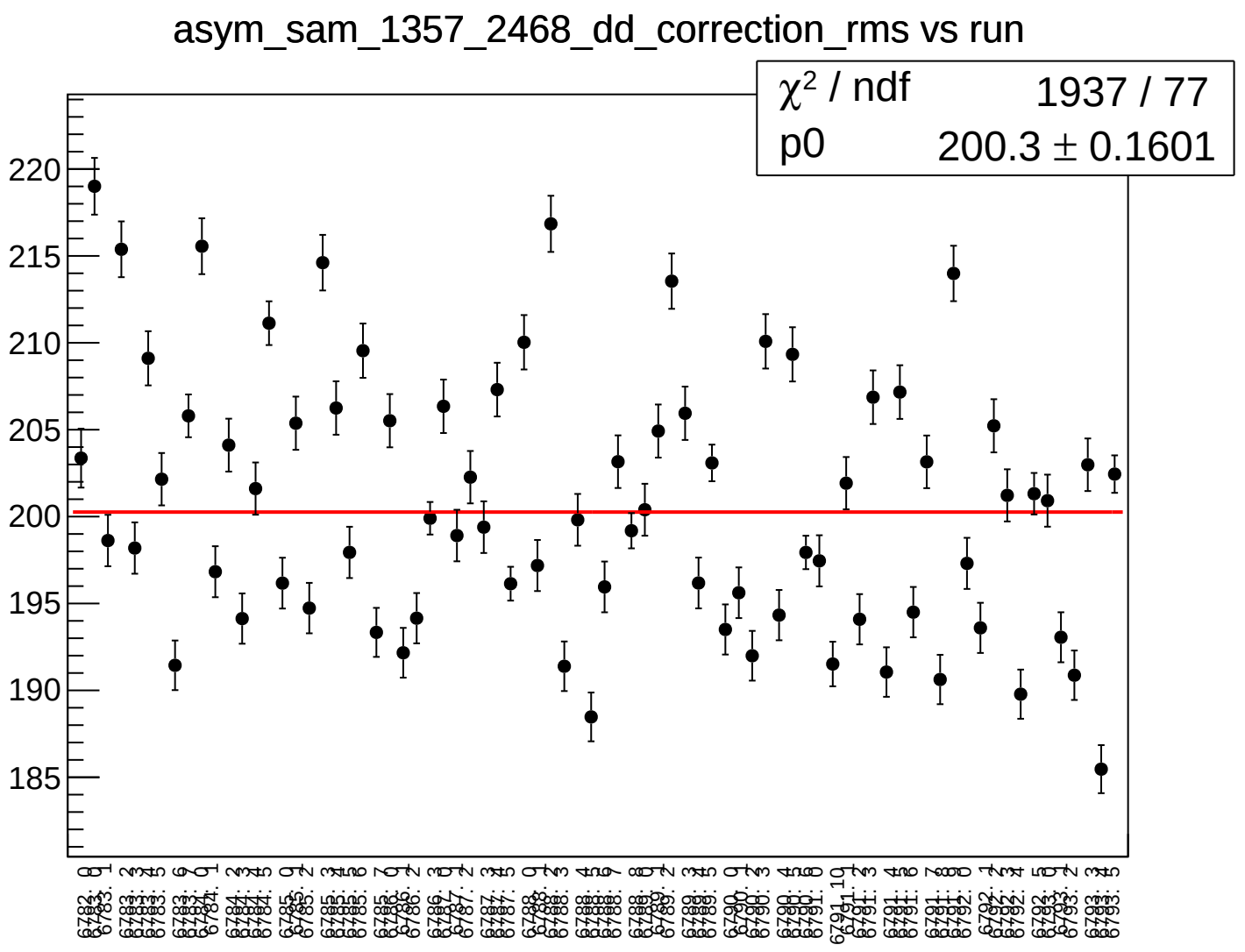

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 70.3 / 77
p0 −42.81 ± 37.88
pull
Entries 78
Mean −43.27
Std Dev 27.22

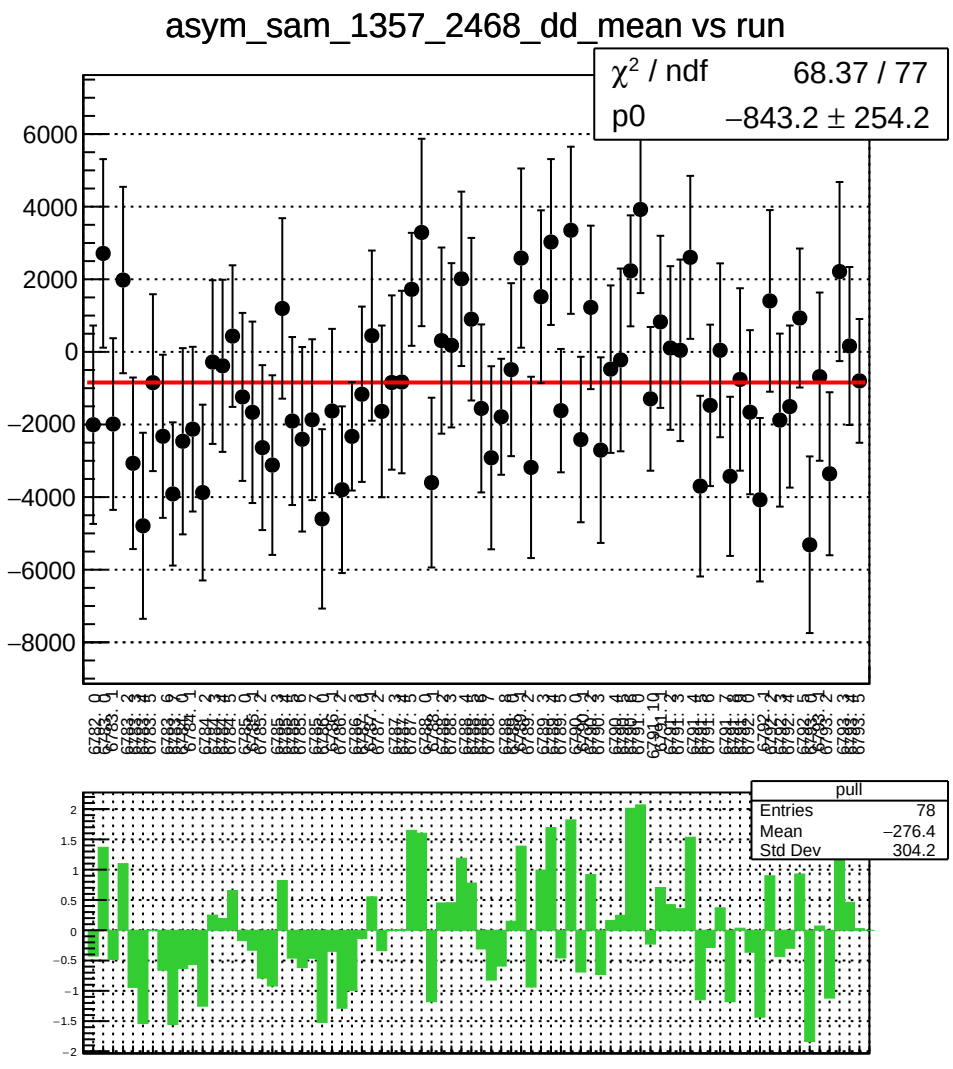

pull1D
Entries 78
Mean −0.01423
Std Dev 0.9492

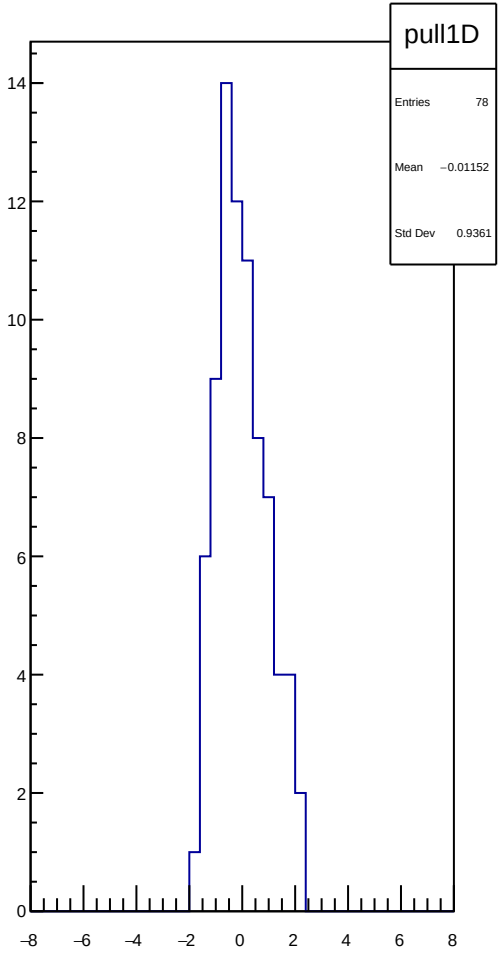

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.001e+04 / 77
p0 33.43 ± 0.02679
42
40
38
36
34
32
30
28

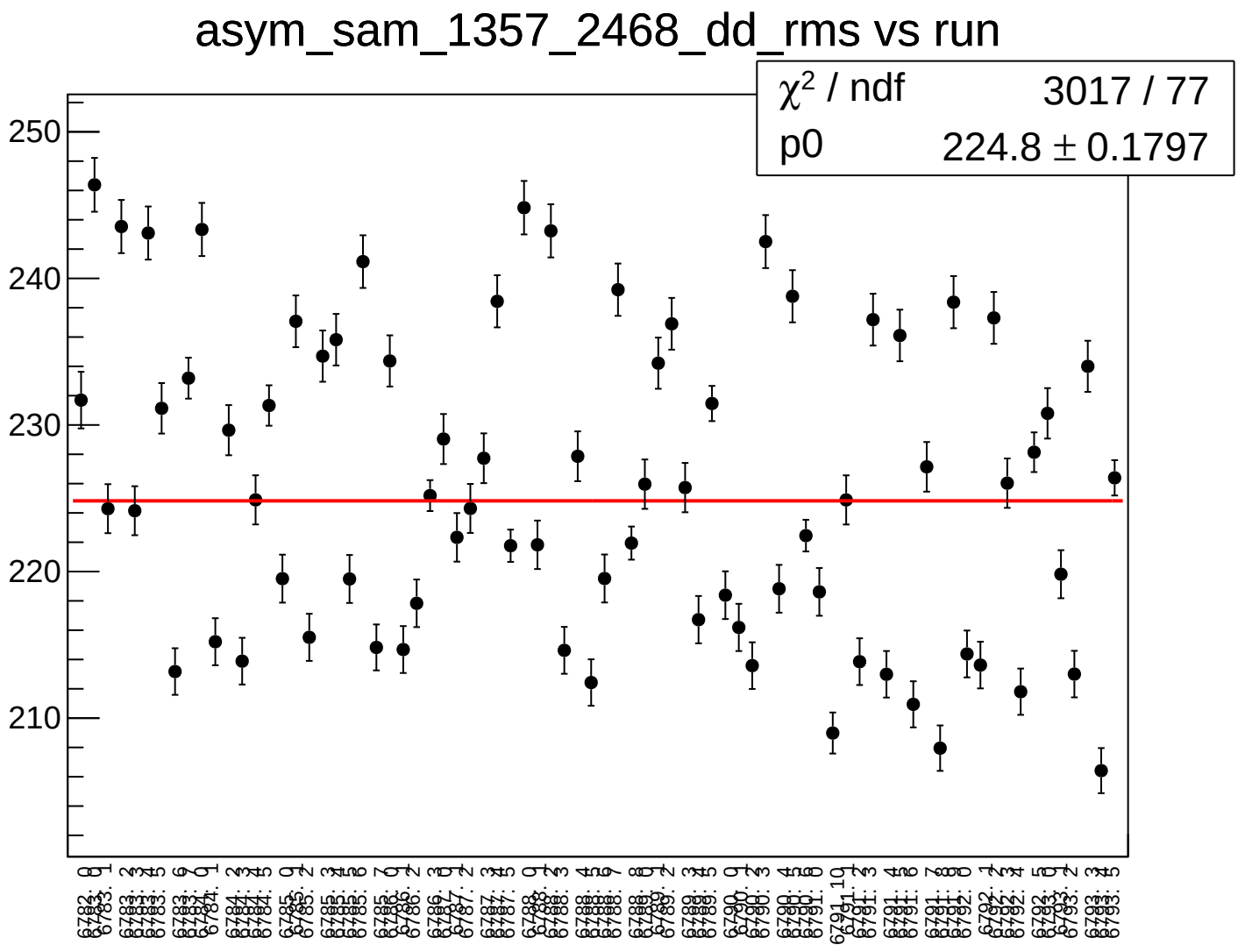

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 68.2 / 77
p0 722.3 ± 226.4
pull
Entries 78
Mean −531.6
Std Dev 562.3

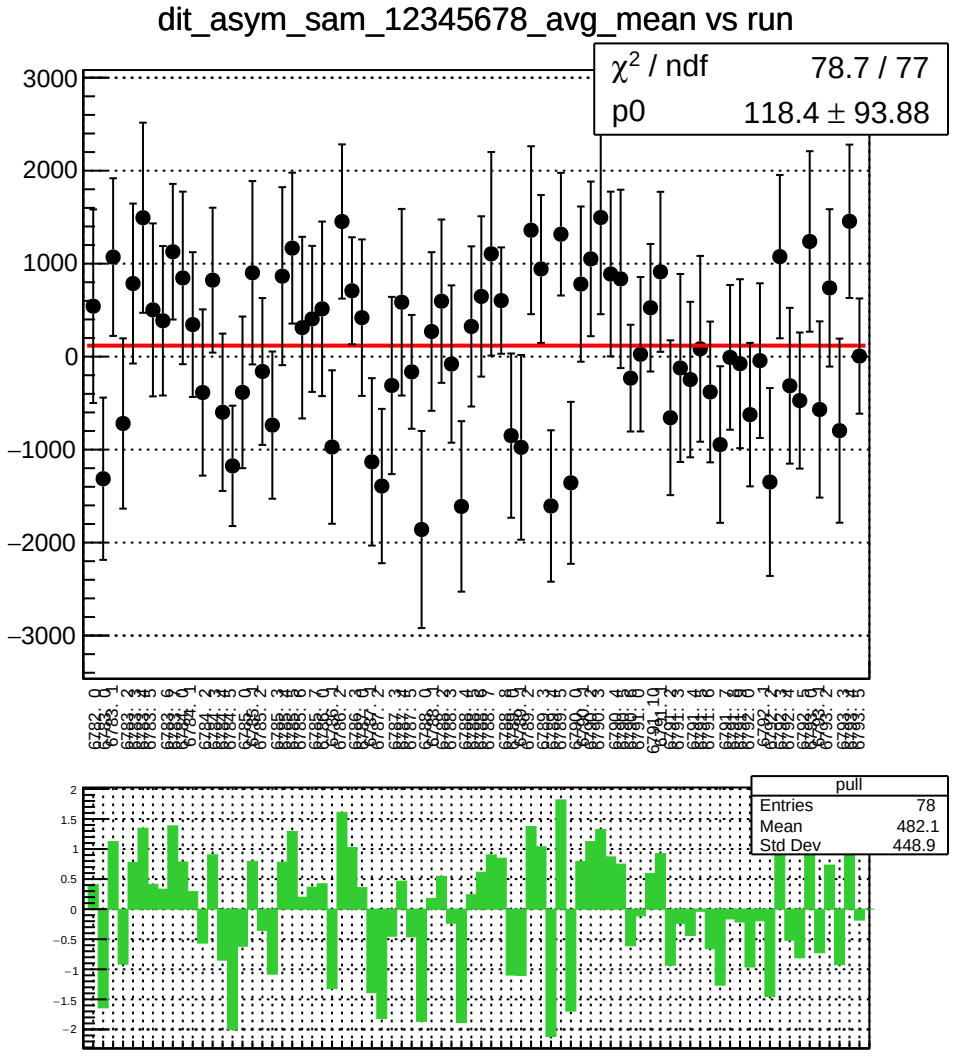

pull1D
Entries 78
Mean 0.006322
Std Dev 0.9351

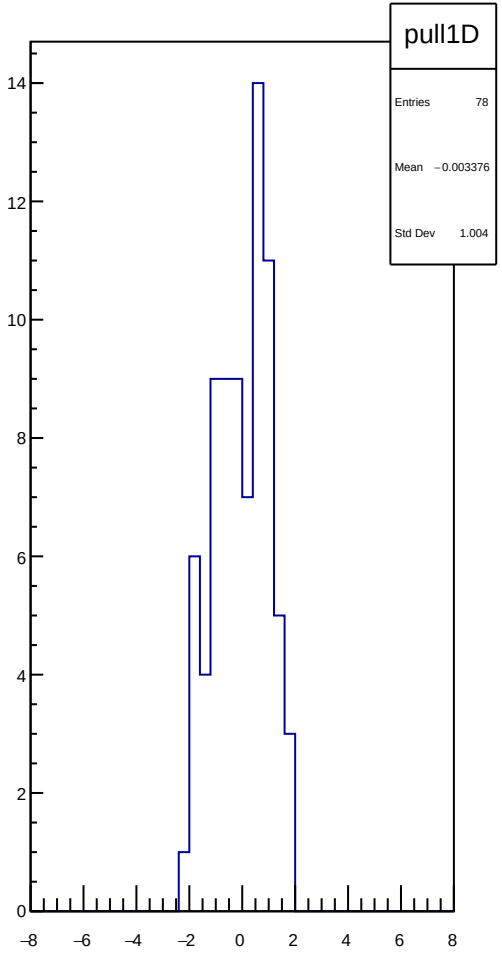

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1937 / 77
p0 200.3 ± 0.1601
220
215
210
205
200
195
190
185

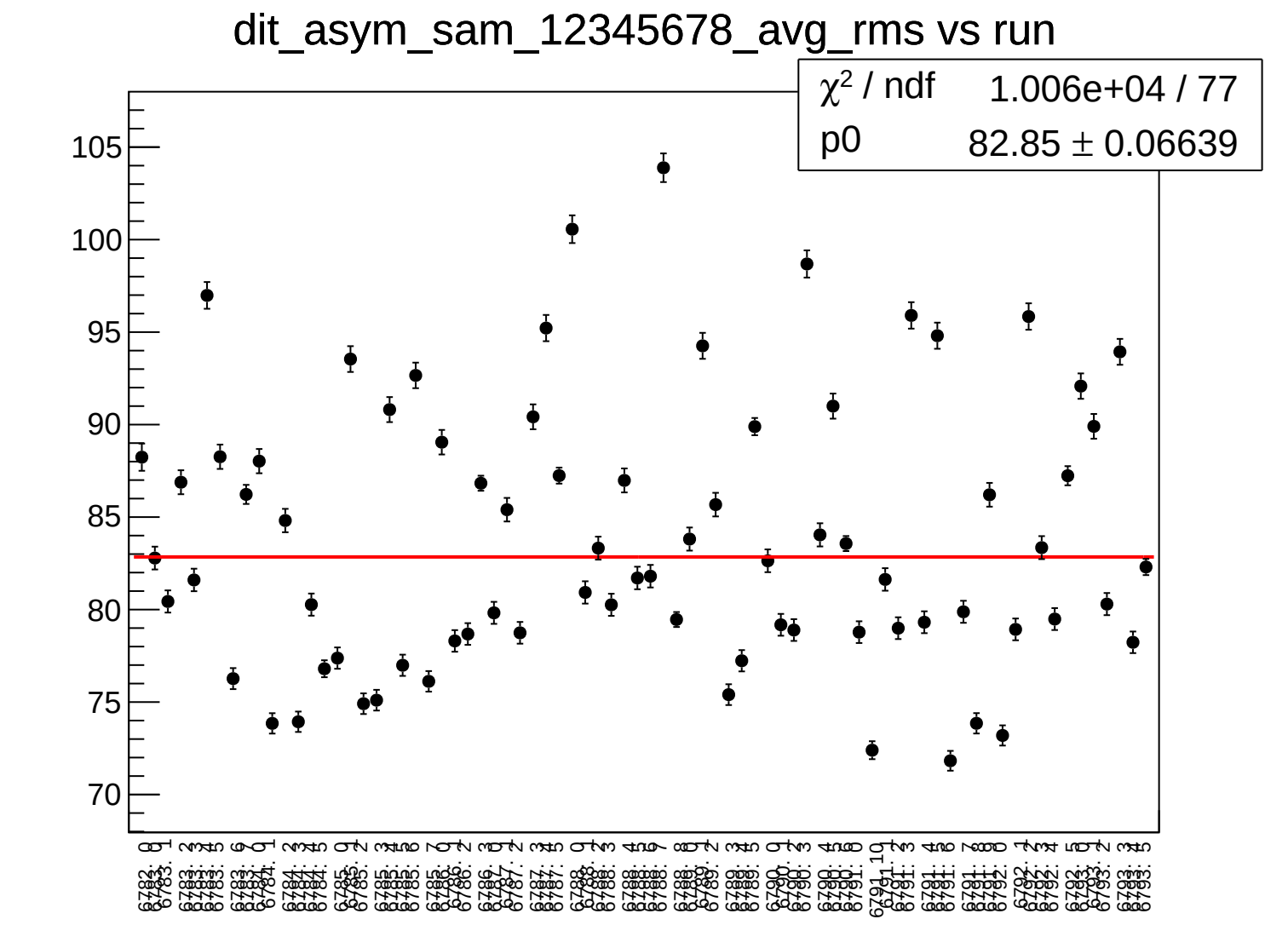

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.37 / 77
p0 −843.2 ± 254.2
pull
Entries 78
Mean −276.4
Std Dev 304.2

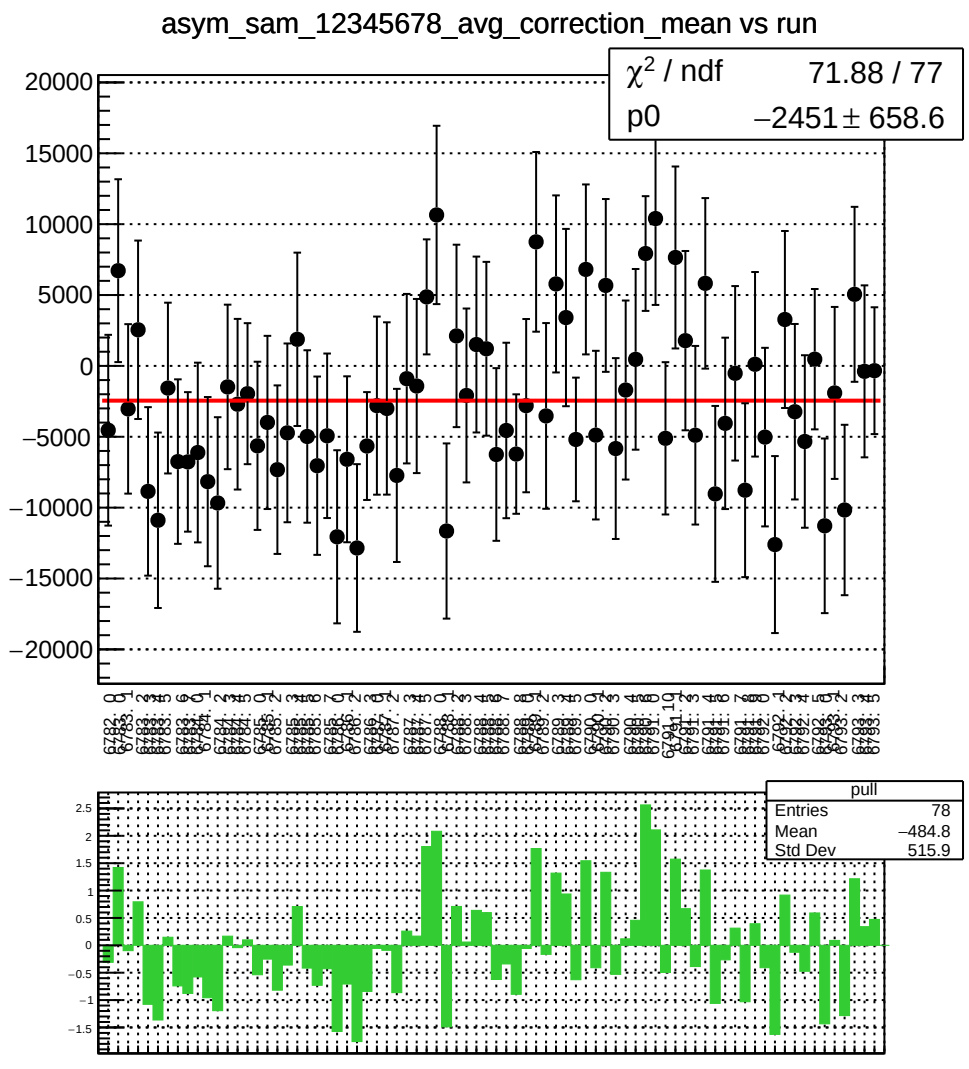

pull1D
Entries 78
Mean −0.01152
Std Dev 0.9361

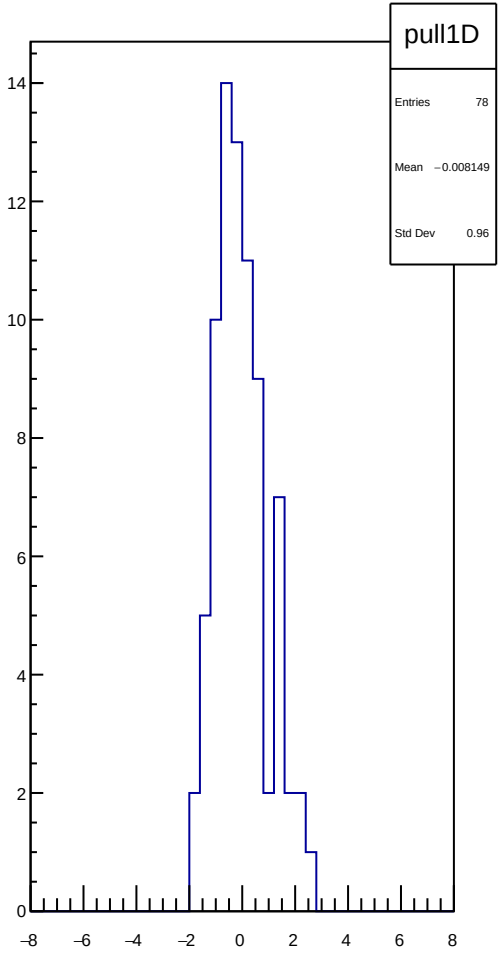

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3017 / 77
p0 224.8 ± 0.1797
250
240
230
220
210

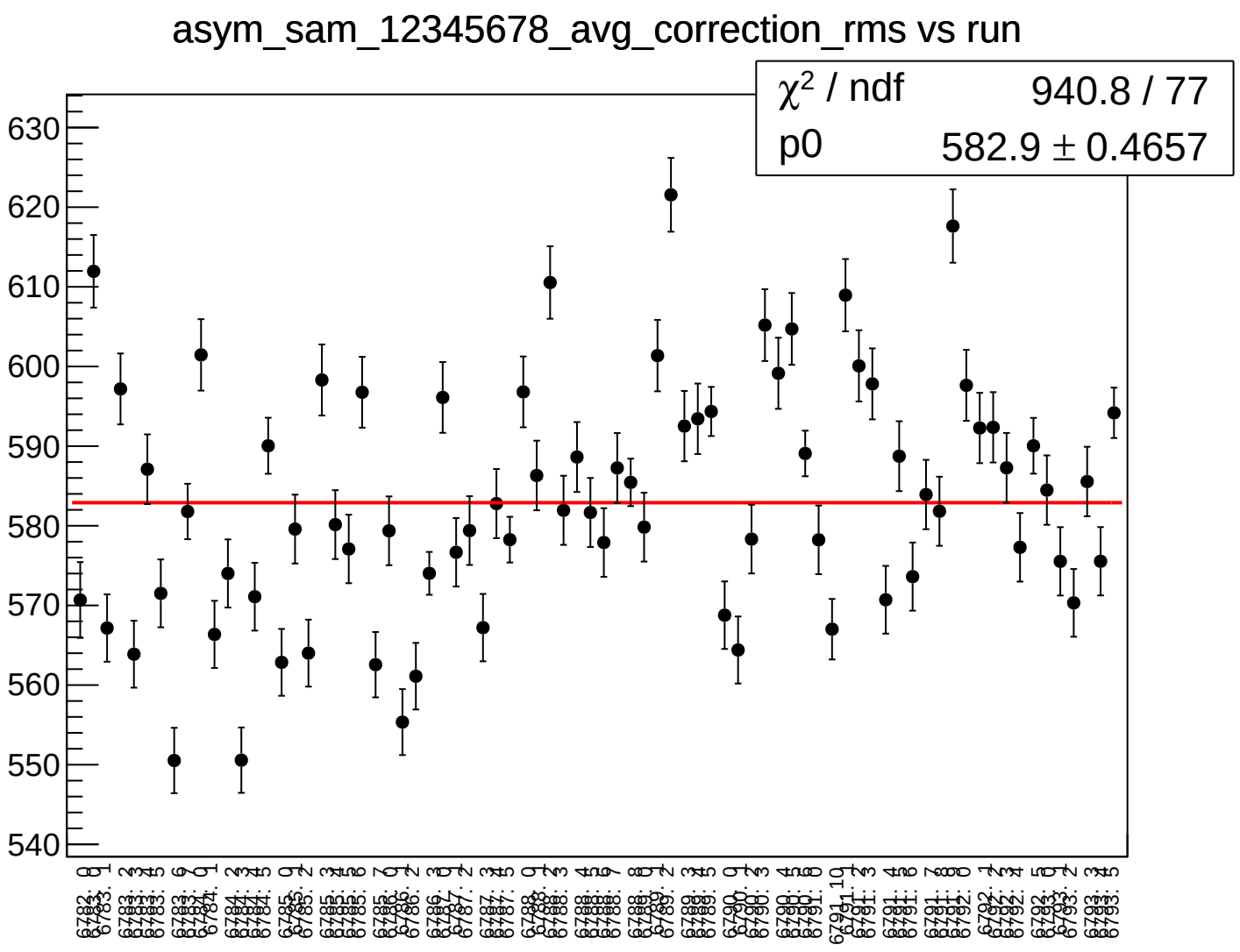

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 78.7 / 77
p0 118.4 ± 93.88
pull
Entries 78
Mean 482.1
Std Dev 448.9

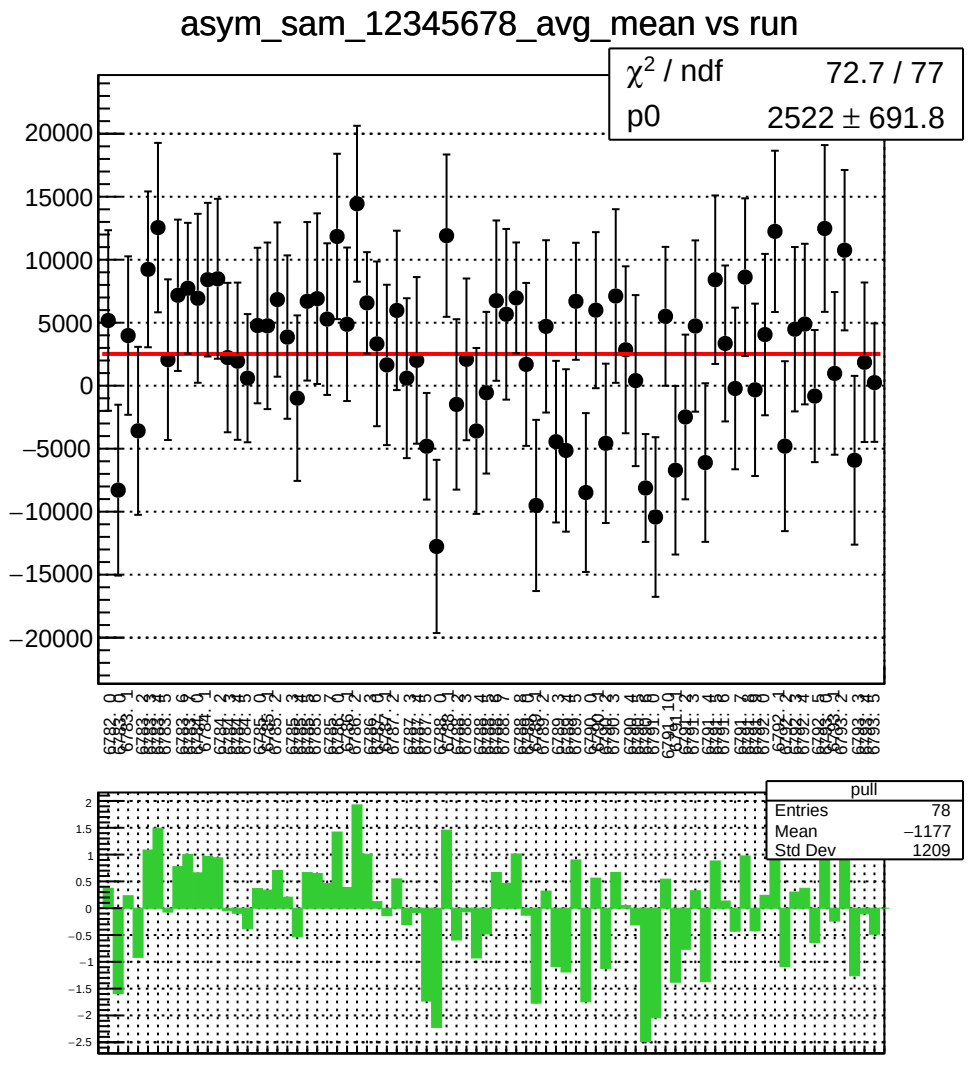

pull1D
Entries 78
Mean −0.003376
Std Dev 1.004

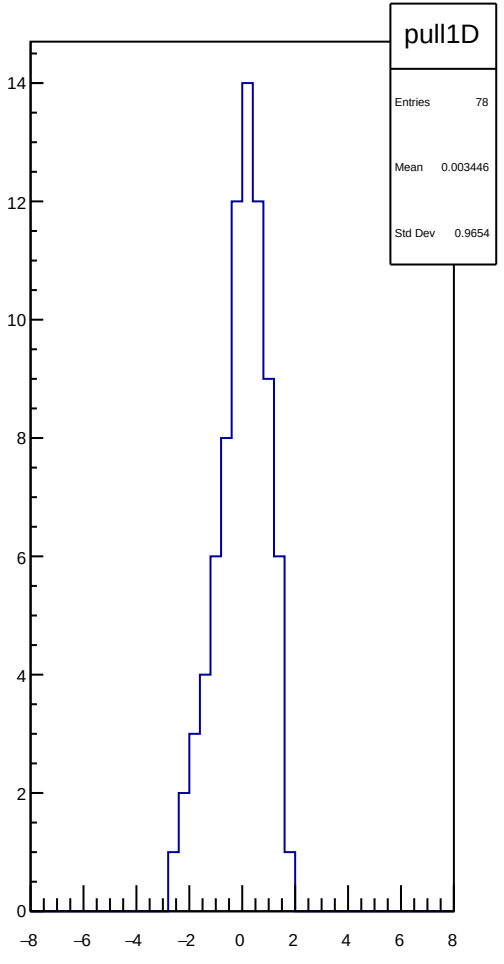

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 1.006e+04 / 77
p0 82.85 ± 0.06639
105
100
95
90
85
80
75
70

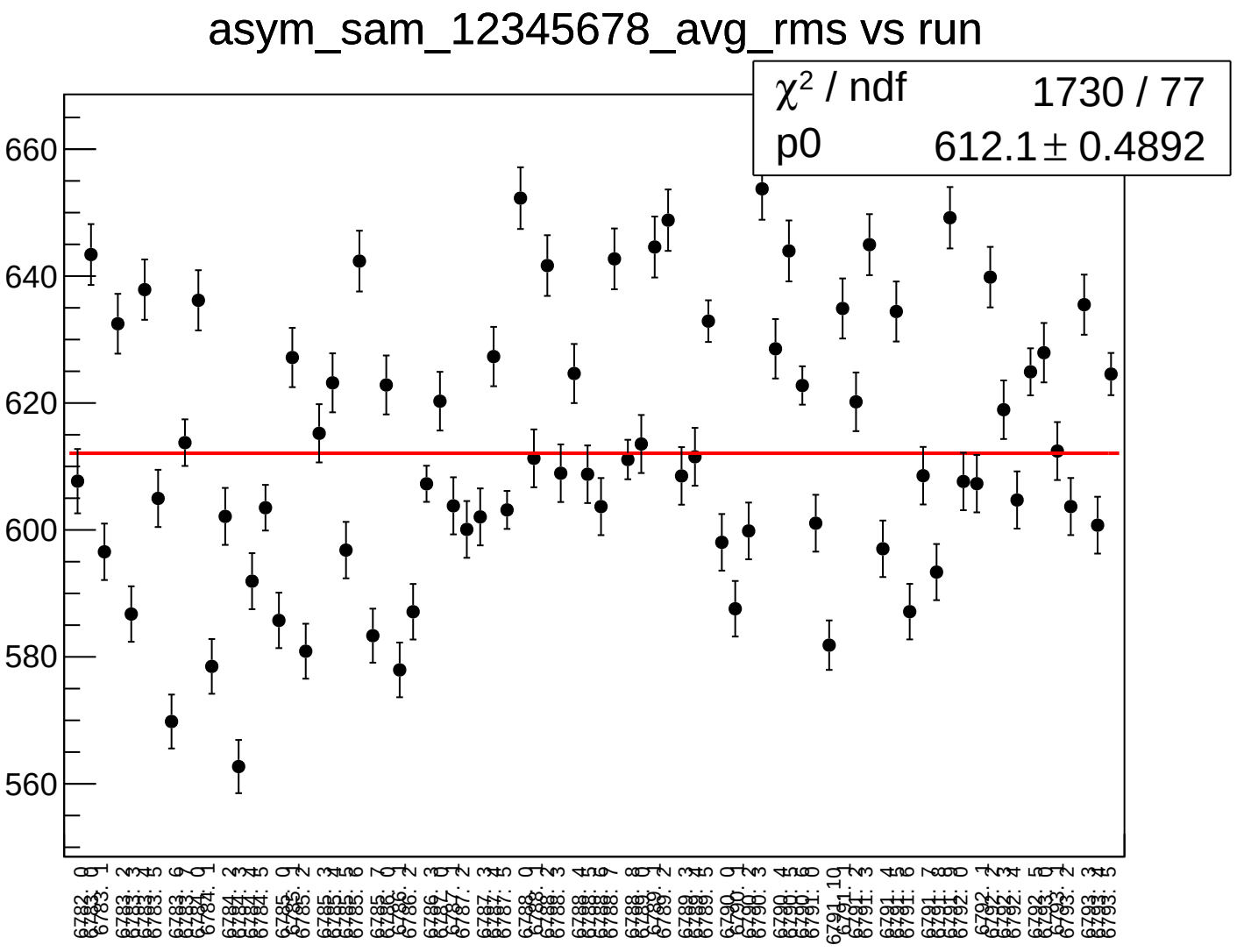

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 71.88 / 77
p0 −2451 ± 658.6
pull
Entries 78
Mean −484.8
Std Dev 515.9

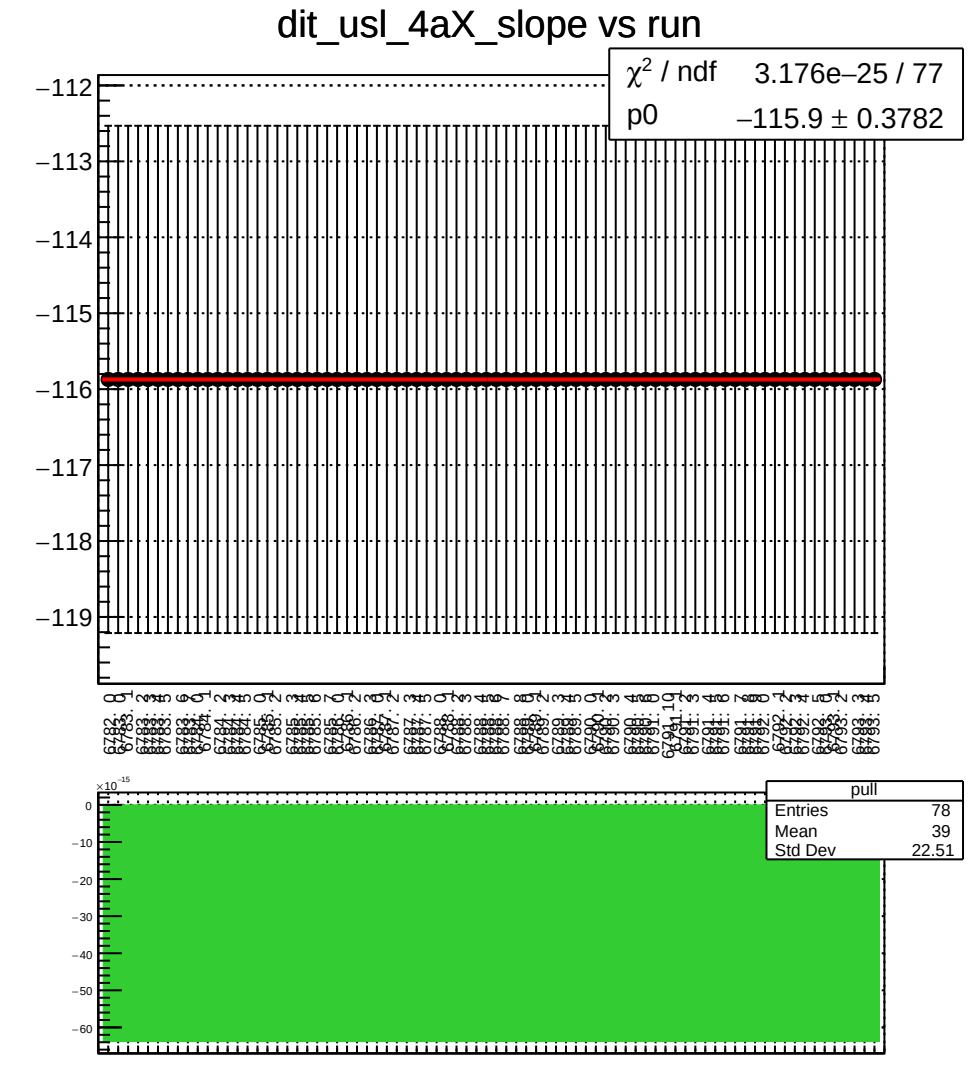

pull1D
Entries 78
Mean −0.008149
Std Dev 0.96

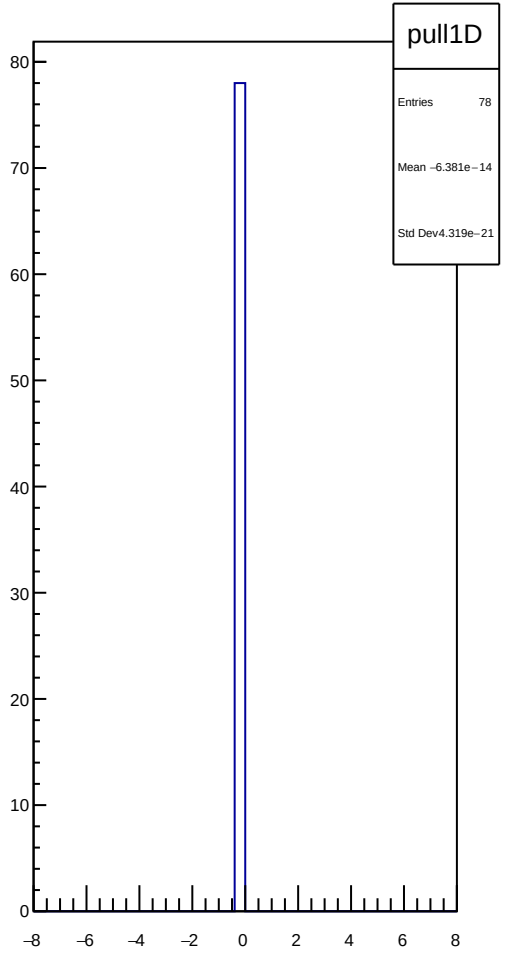

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 940.8 / 77
p0 582.9 ± 0.4657
630
620
610
600
590
580
570
560
550
540

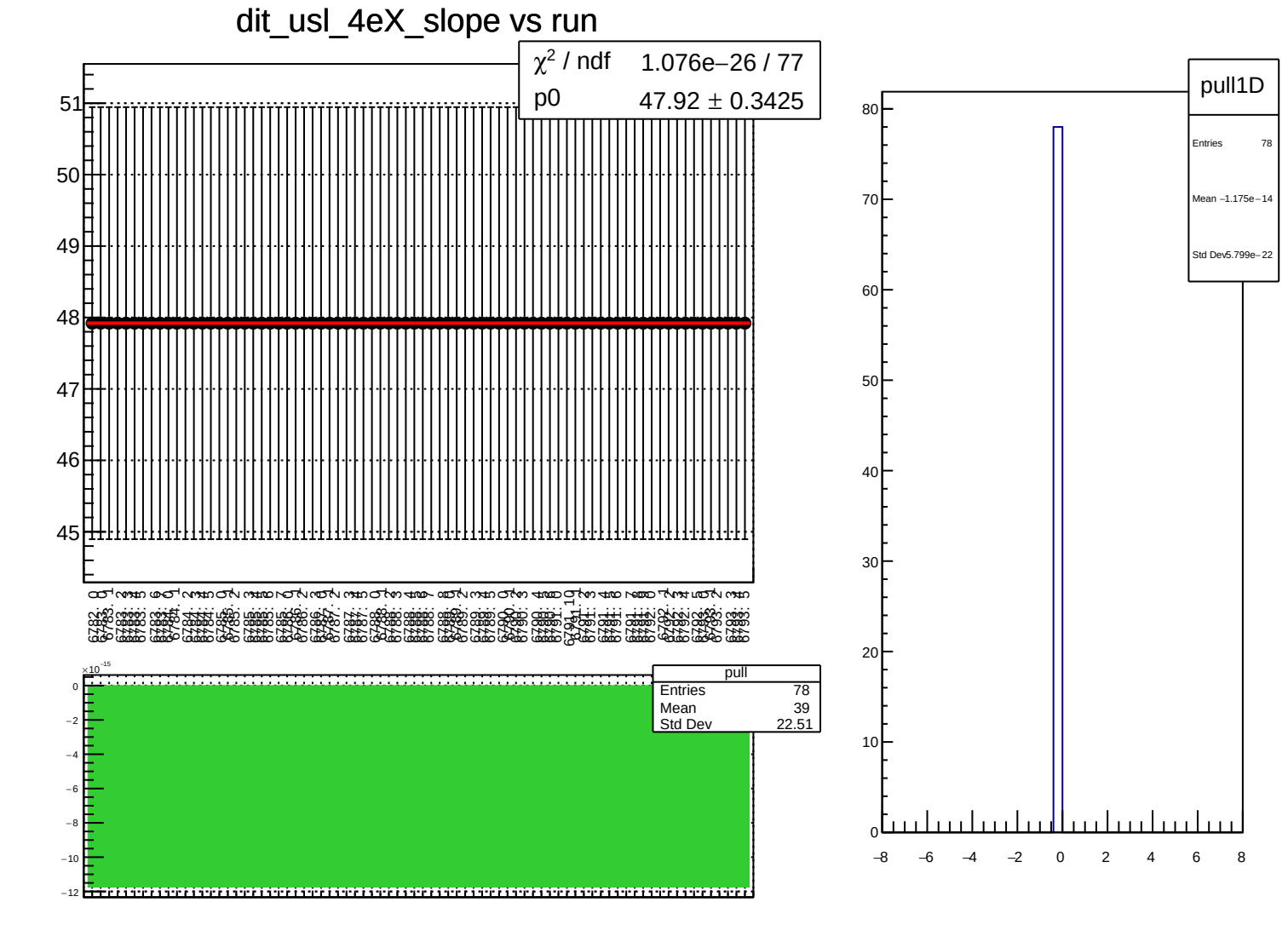

asym_sam_12345678_avg_mean vs run
χ² / ndf 72.7 / 77
p0 2522 ± 691.8
pull
Entries 78
Mean −1177
Std Dev 1209

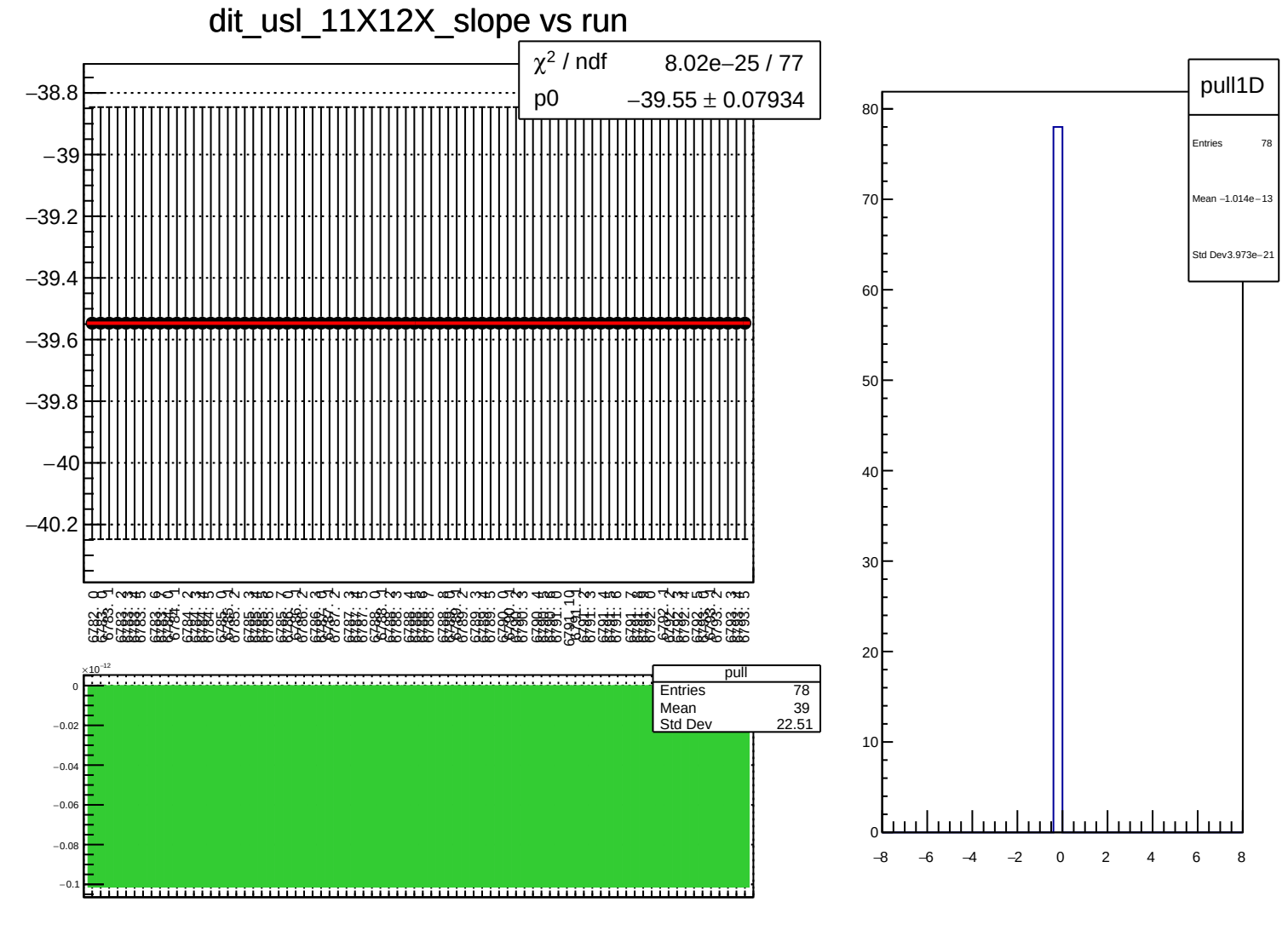

pull1D
Entries 78
Mean 0.003446
Std Dev 0.9654

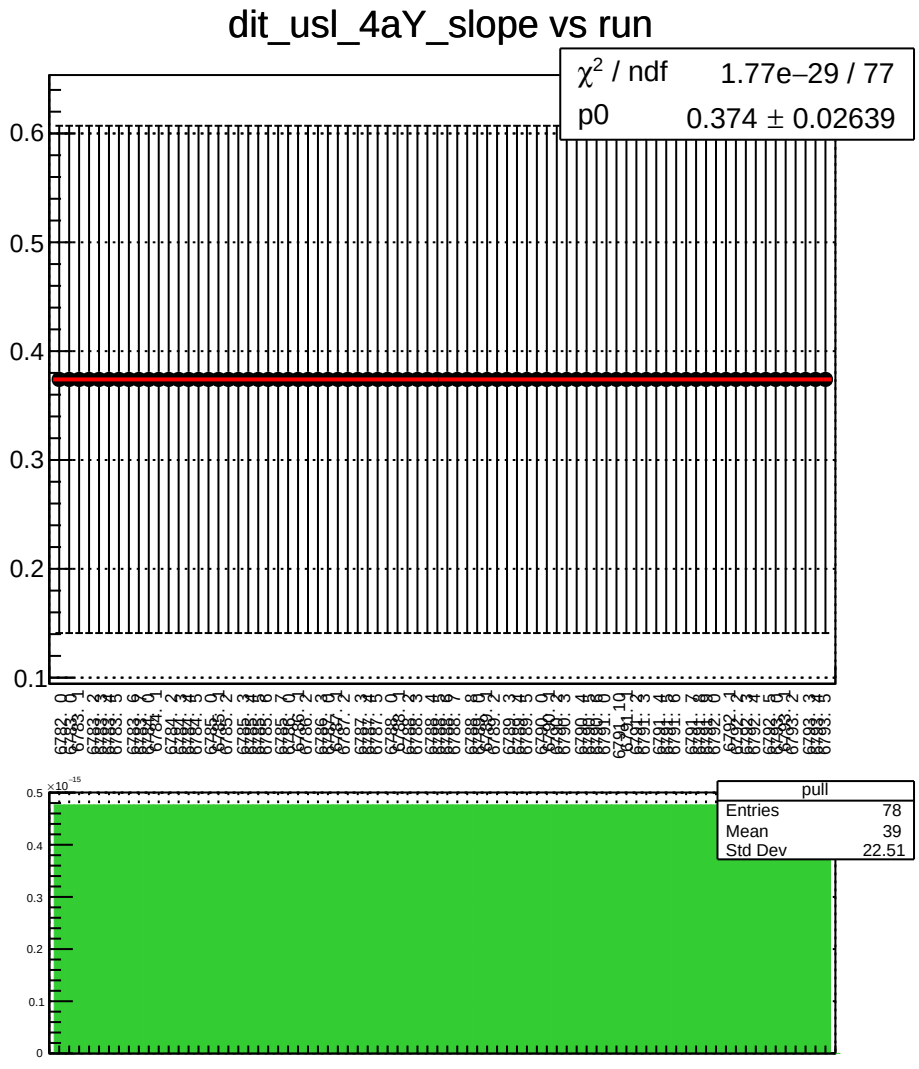

asym_sam_12345678_avg_rms vs run
χ² / ndf 1730 / 77
p0 612.1 ± 0.4892
660
640
620
600
580
560

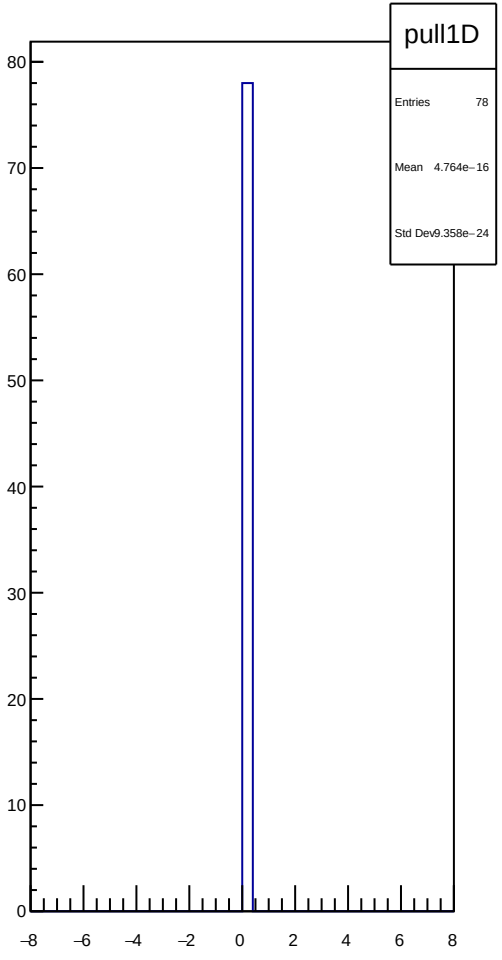

dit_usl_4aX_slope vs run
χ² / ndf 3.176e−25 / 77
p0 −115.9 ± 0.3782
−112
−113
−114
−115
−116
−117
−118
−119
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

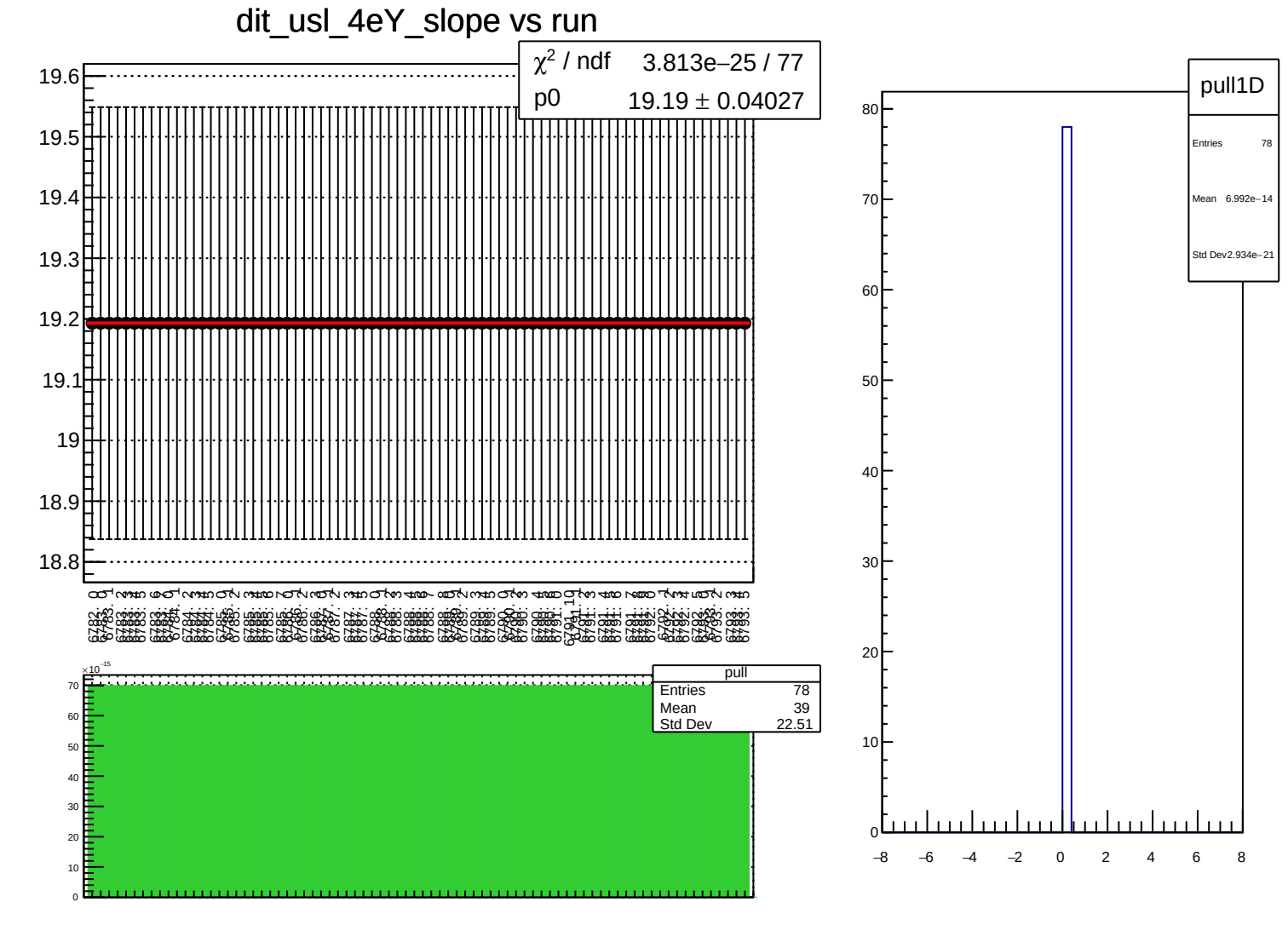

pull1D
Entries 78
Mean −6.381e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

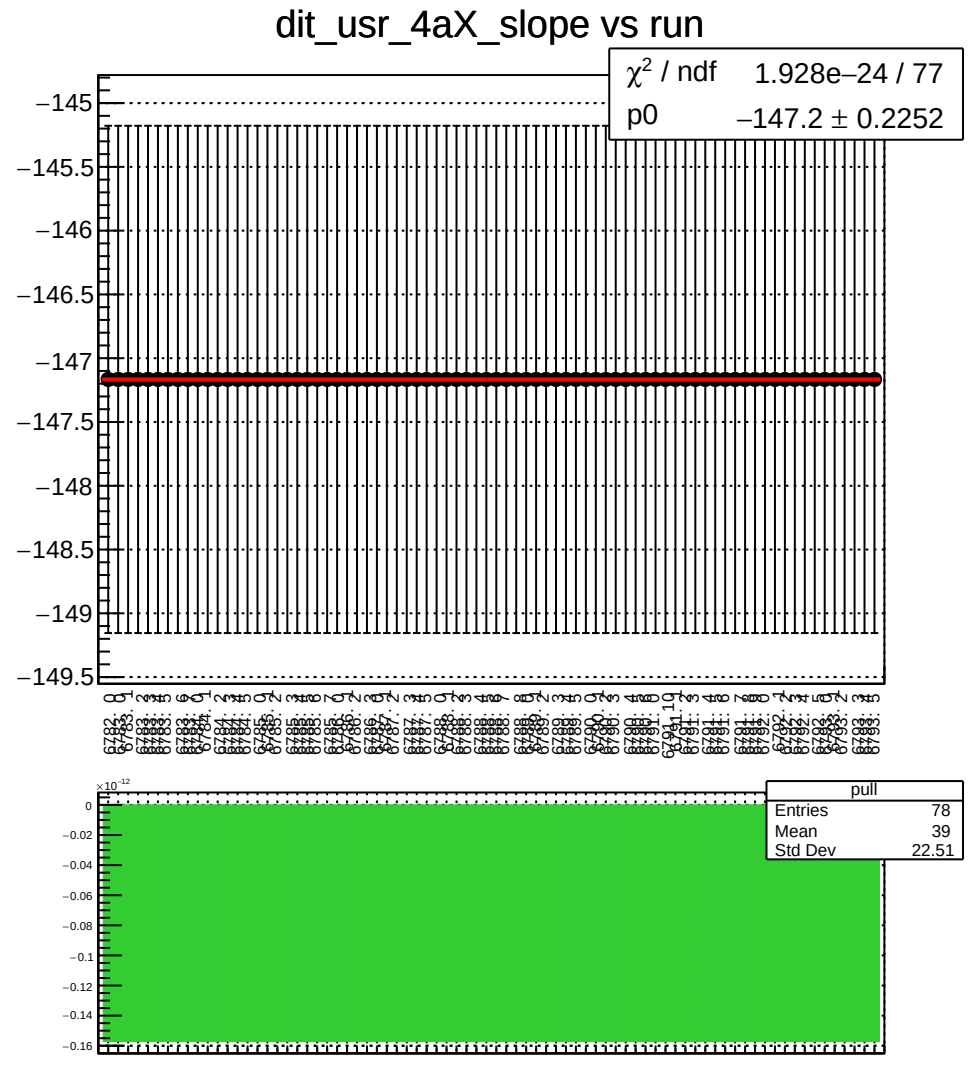

dit_usl_4eX_slope vs run
χ^2 / ndf 1.076e−26 / 77
p0 47.92 ± 0.3425
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −1.175e−14
Std Dev 5.799e−22

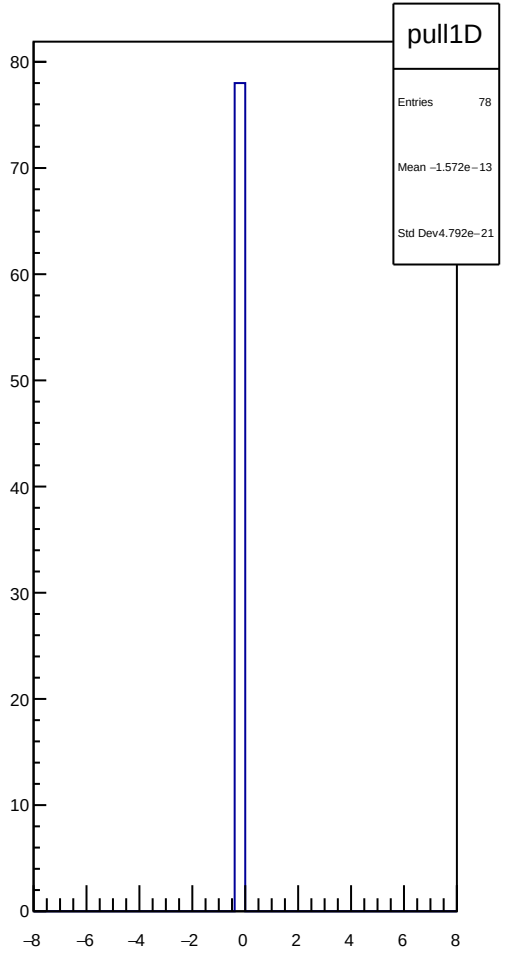

dit_usl_11X12X_slope vs run
χ² / ndf 8.02e−25 / 77
p0 −39.55 ± 0.07934
−38.8
−39
−39.2
−39.4
−39.6
−39.8
−40
−40.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 78
Mean −1.014e−13
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

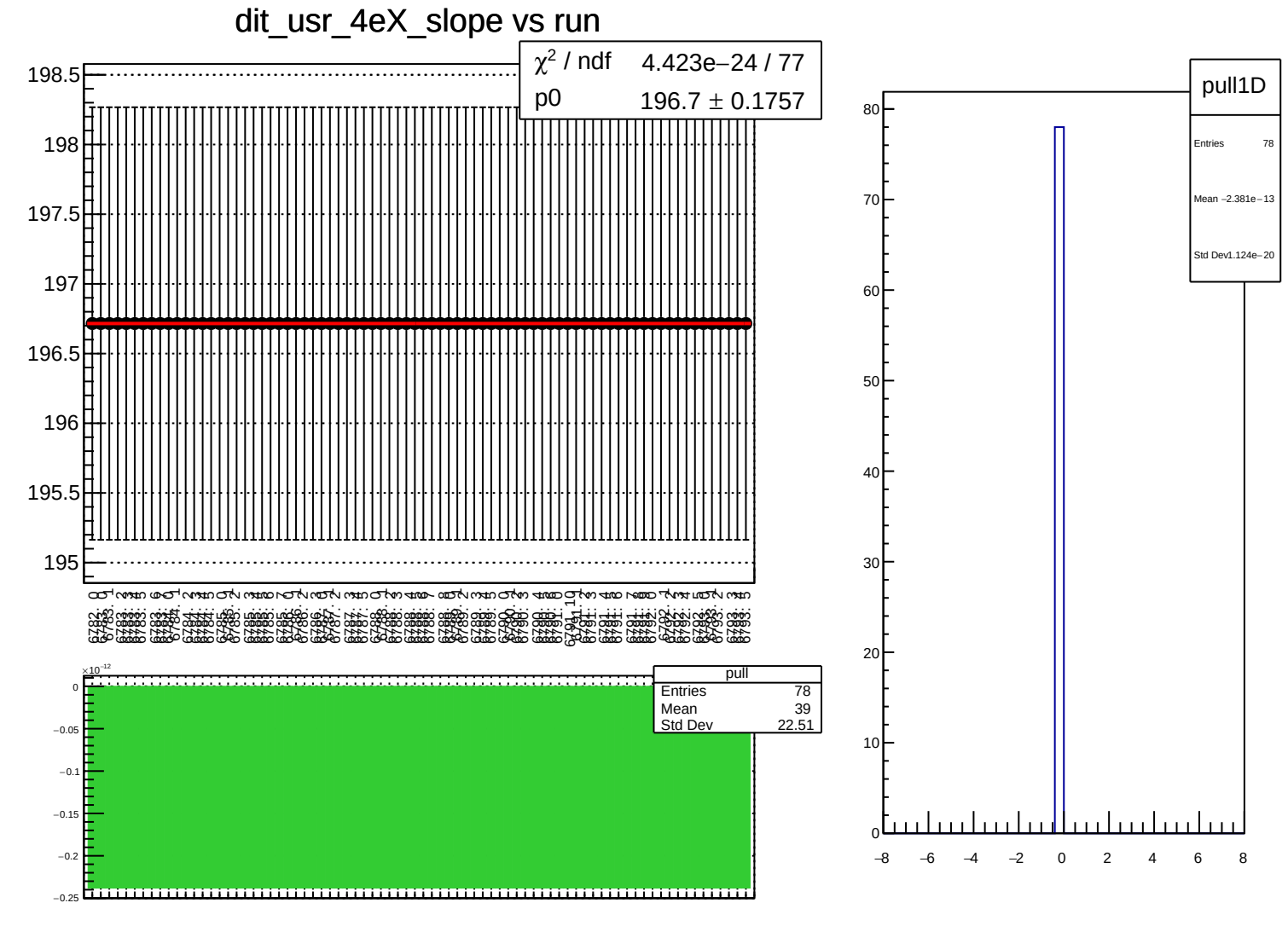

dit_usl_4aY_slope vs run
χ² / ndf 1.77e−29 / 77
p0 0.374 ± 0.02639
pull
Entries 78
Mean 39
Std Dev 22.51

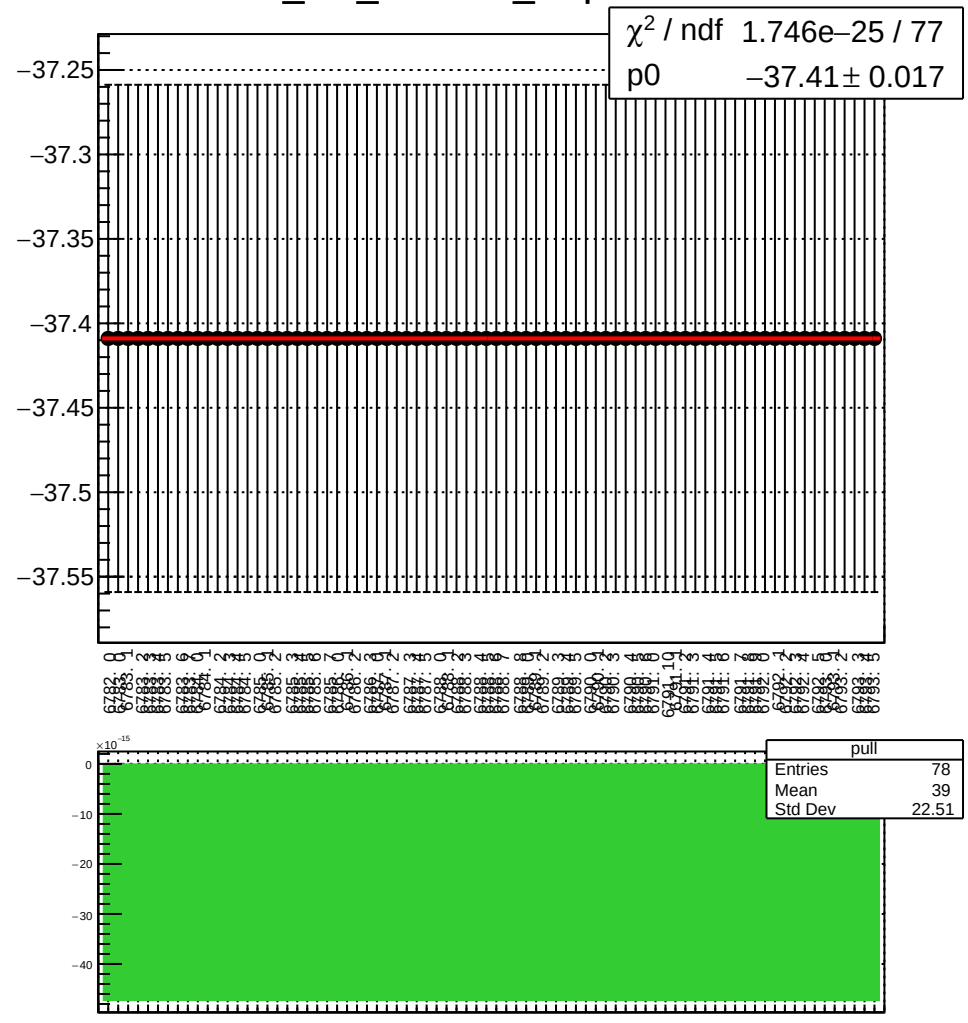

pull1D
Entries 78
Mean 4.764e−16
Std Dev 9.358e−24

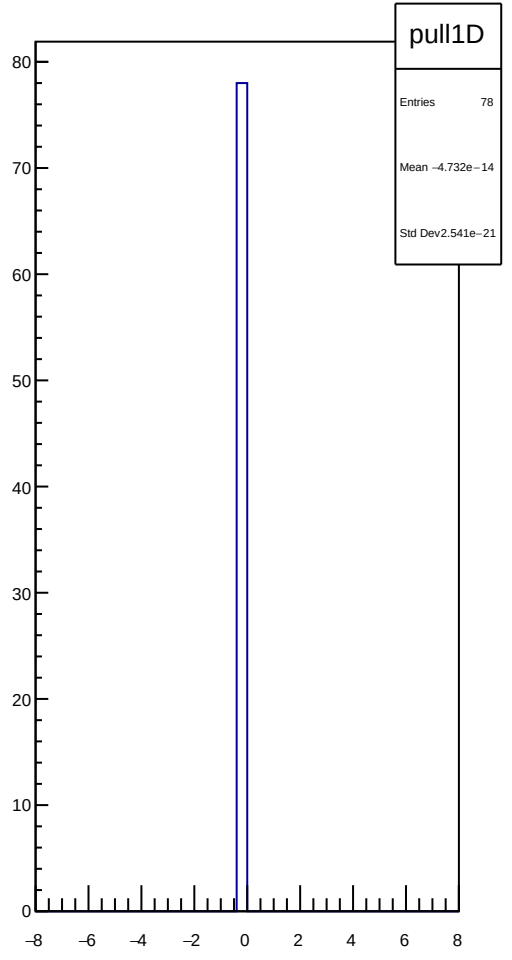

dit_usl_4eY_slope vs run
χ² / ndf 3.813e−25 / 77
p0 19.19 ± 0.04027
19.6
19.5
19.4
19.3
19.2
19.1
19
18.9
18.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull1D
Entries 78
Mean 6.992e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

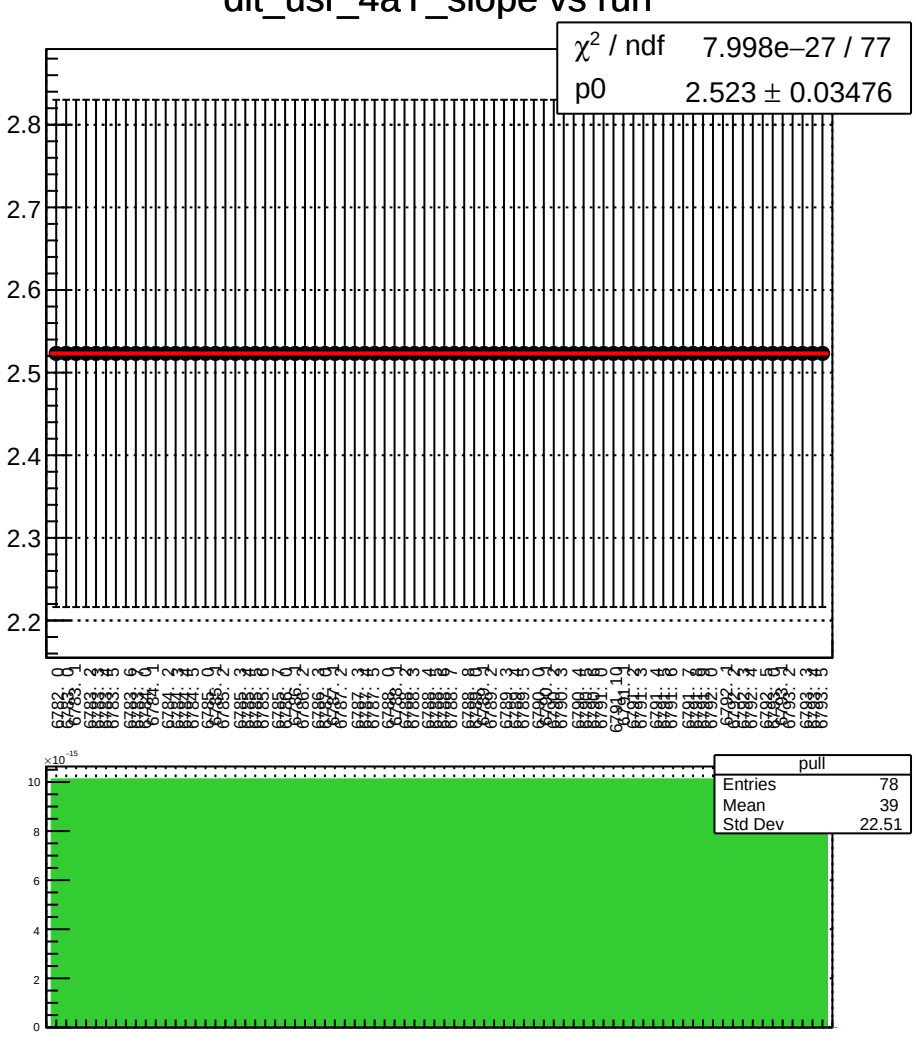

dit_usr_4aX_slope vs run
χ² / ndf 1.928e−24 / 77
p0 −147.2 ± 0.2252
−145
−145.5
−146
−146.5
−147
−147.5
−148
−148.5
−149
−149.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

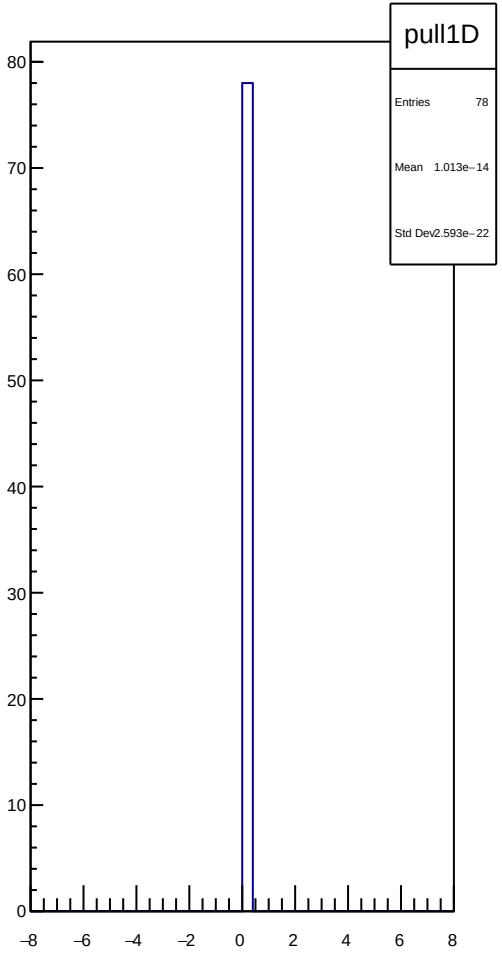

pull1D
Entries 78
Mean −1.572e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

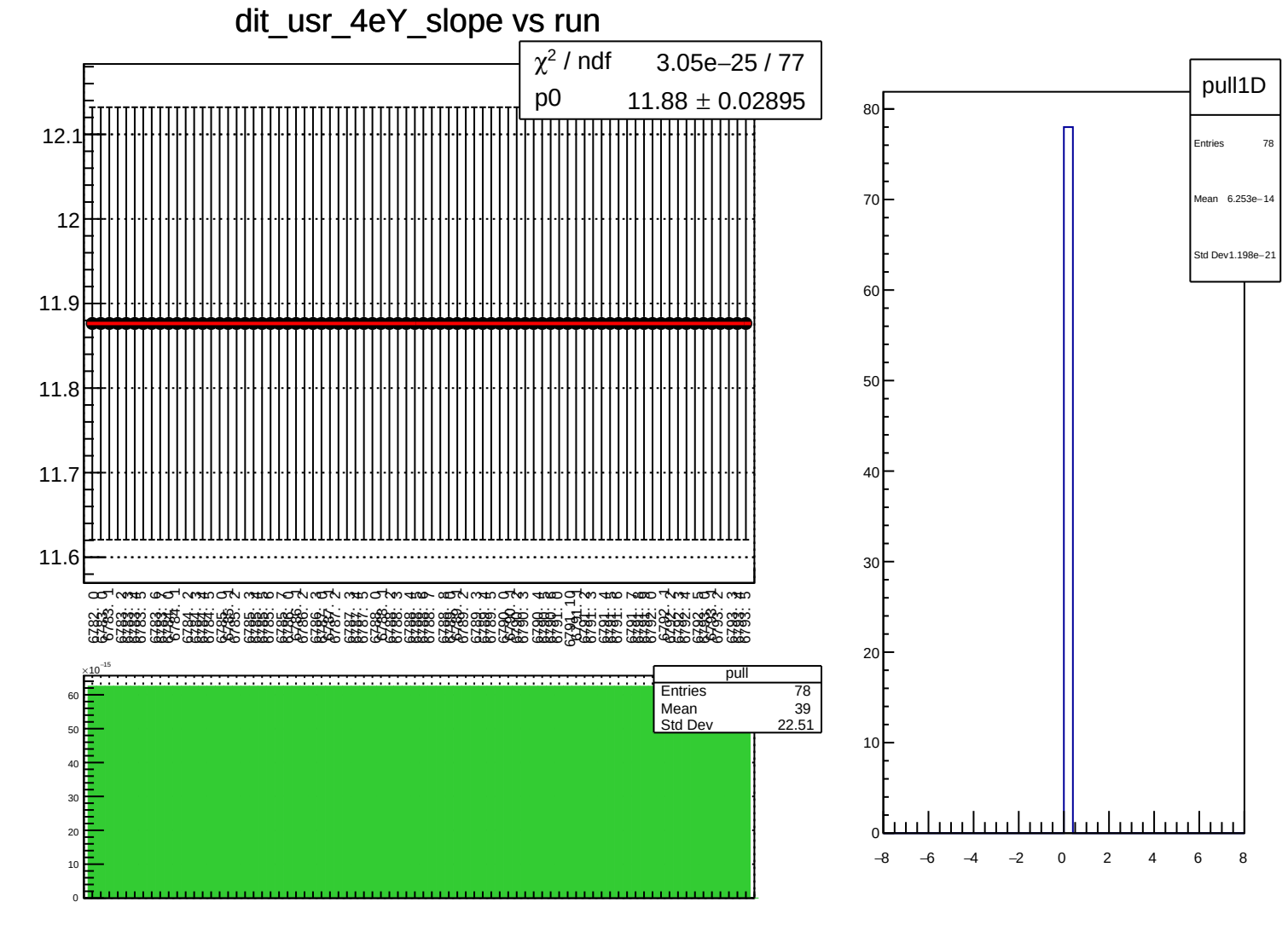

dit_usr_4eX_slope vs run
χ² / ndf 4.423e−24 / 77
p0 196.7 ± 0.1757
198.5
198
197.5
197
196.5
196
195.5
195
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 78
Mean −2.381e−13
Std Dev1.124e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

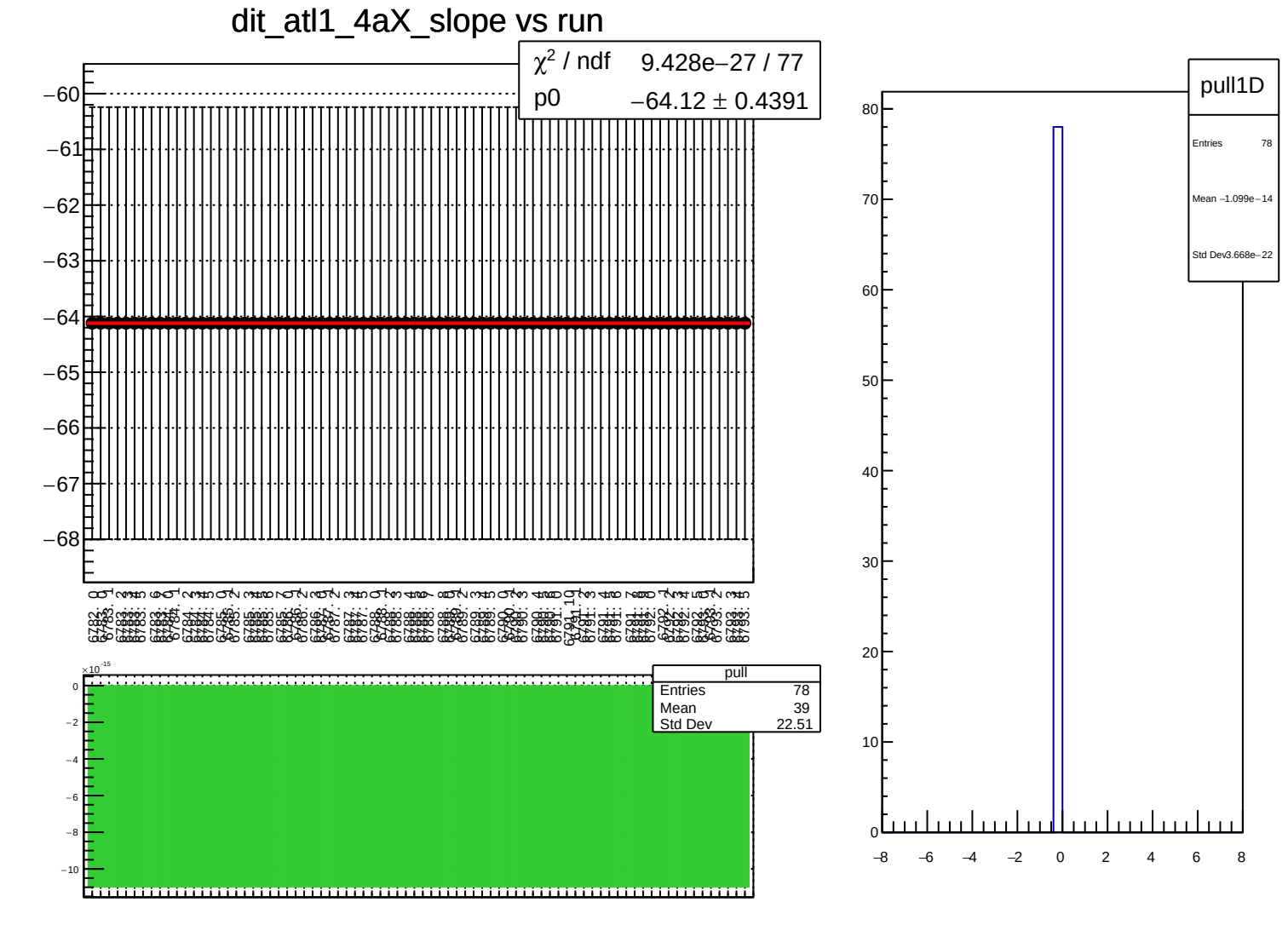

dit_usr_11X12X_slope vs run
χ² / ndf 1.746e−25 / 77
p0 −37.41 ± 0.017
−37.25
−37.3
−37.35
−37.4
−37.45
−37.5
−37.55
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40

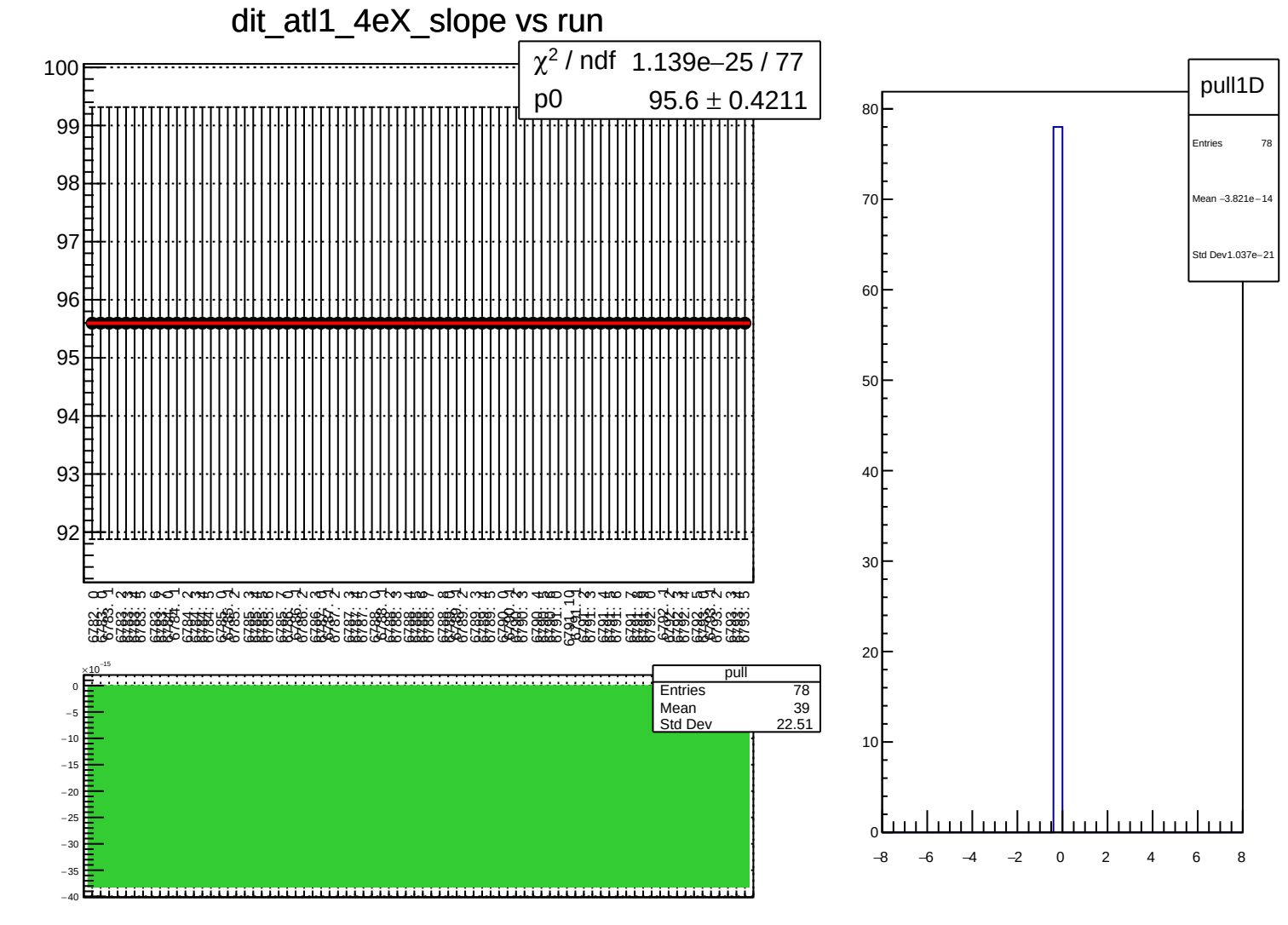

pull1D
Entries 78
Mean −4.732e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

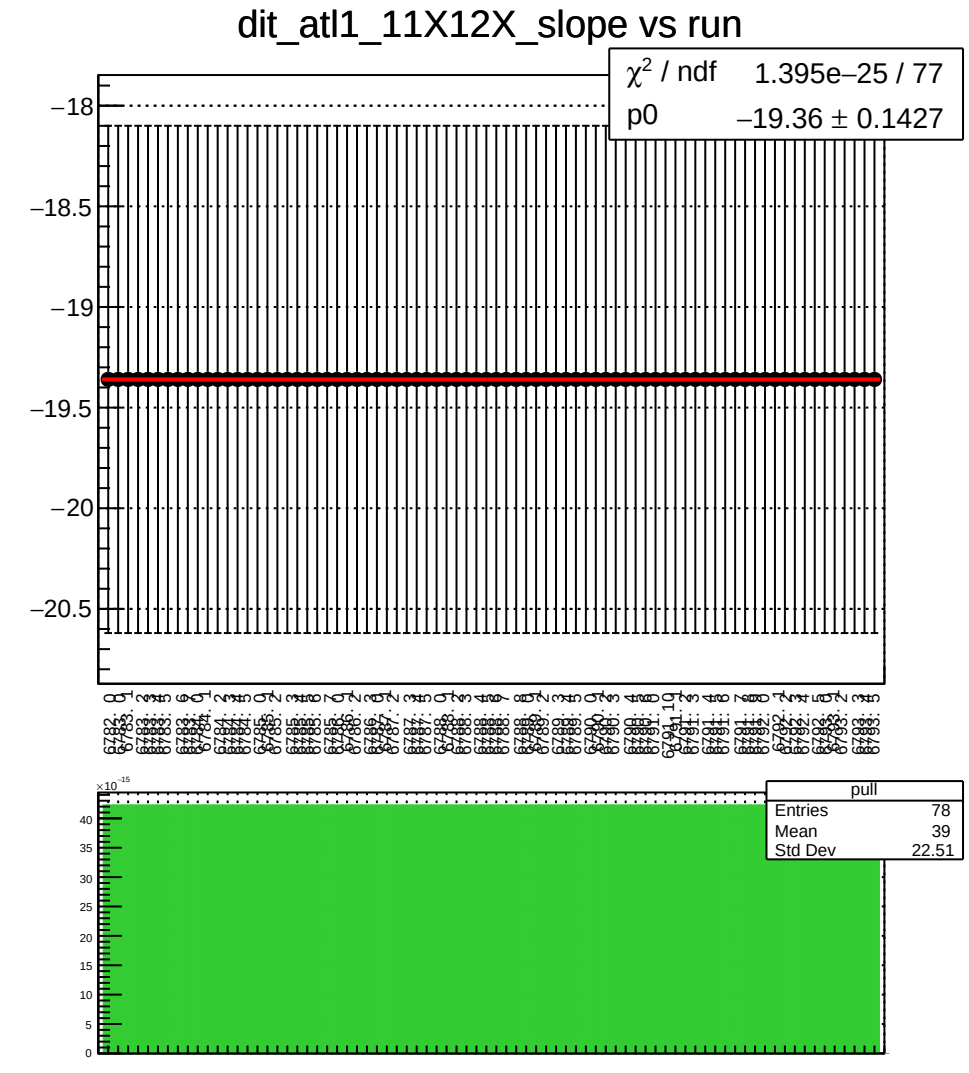

dit_usr_4aY_slope vs run
χ² / ndf 7.998e−27 / 77
p0 2.523 ± 0.03476
pull
Entries 78
Mean 39
Std Dev 22.51

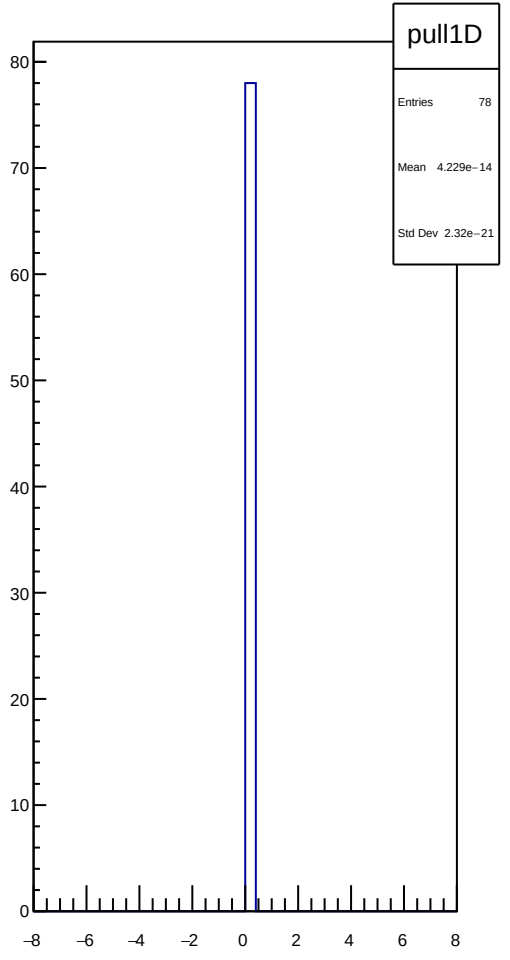

pull1D
Entries 78
Mean 1.013e−14
Std Dev 2.593e−22

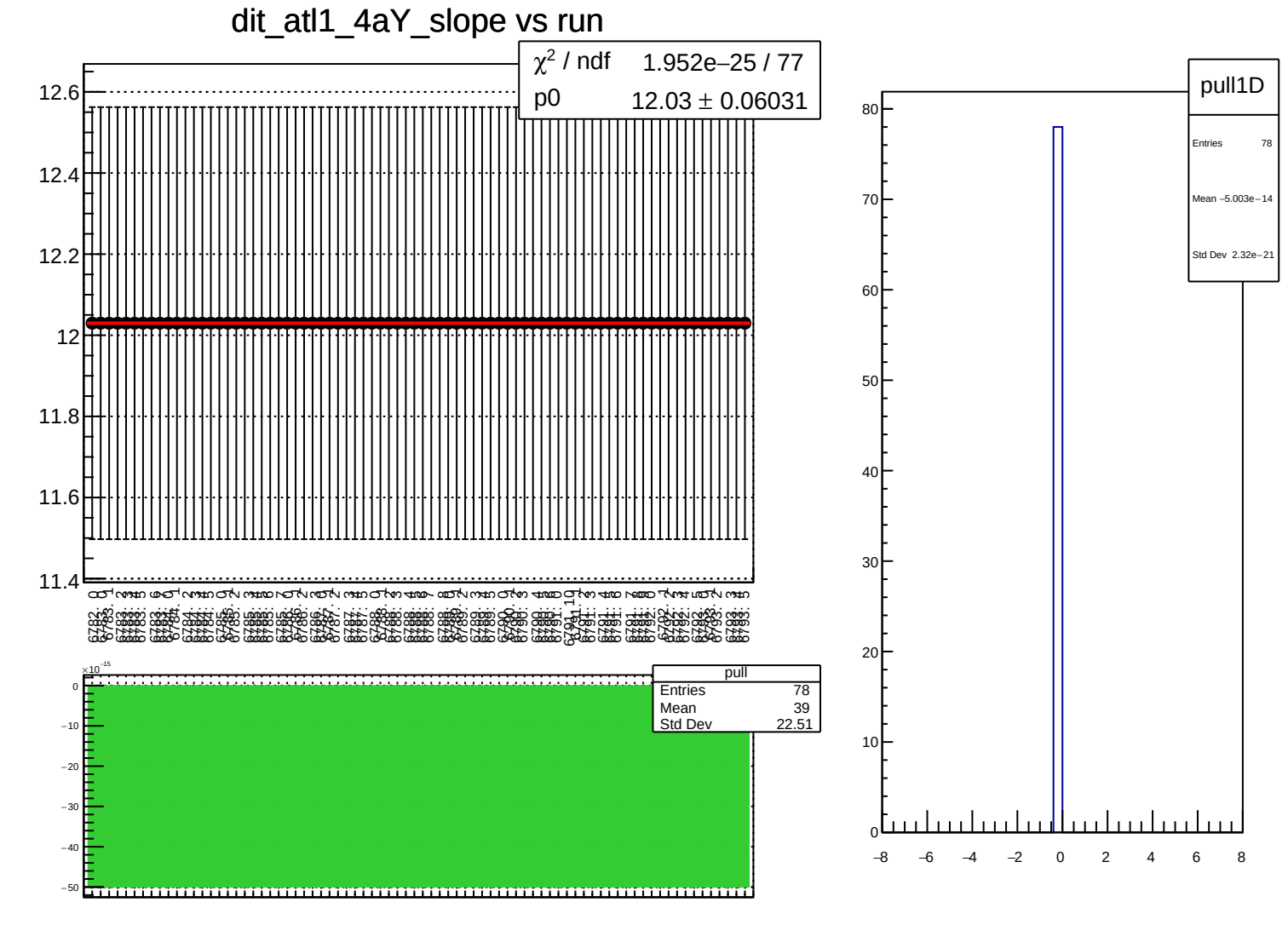

dit_usr_4eY_slope vs run
χ² / ndf 3.05e−25 / 77
p0 11.88 ± 0.02895
12.1
12
11.9
11.8
11.7
11.6
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 6.253e−14
Std Dev1.198e−21

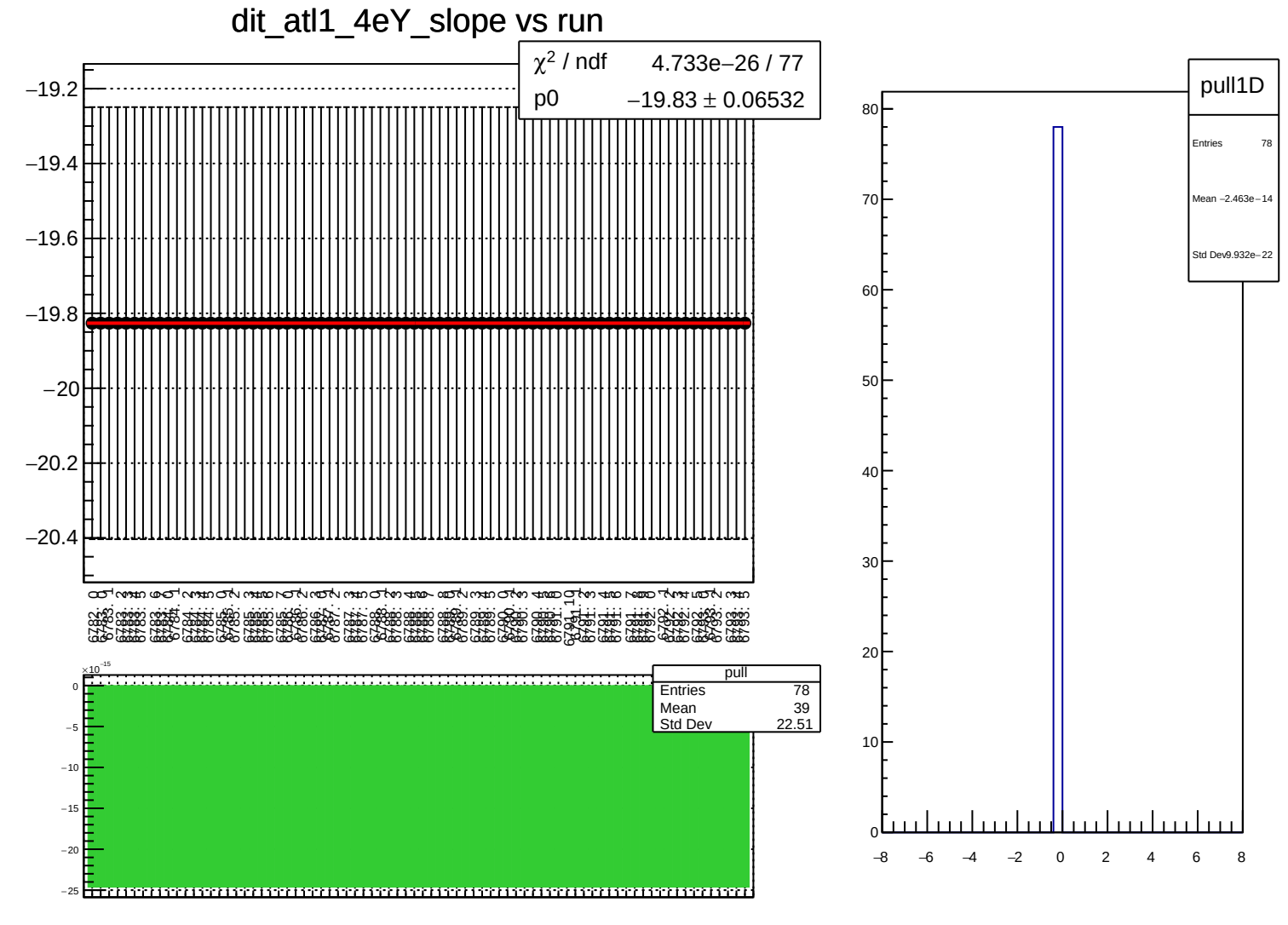

dit_atl1_4aX_slope vs run
χ² / ndf 9.428e−27 / 77
p0 −64.12 ± 0.4391
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −1.099e−14
Std Dev3.668e−22

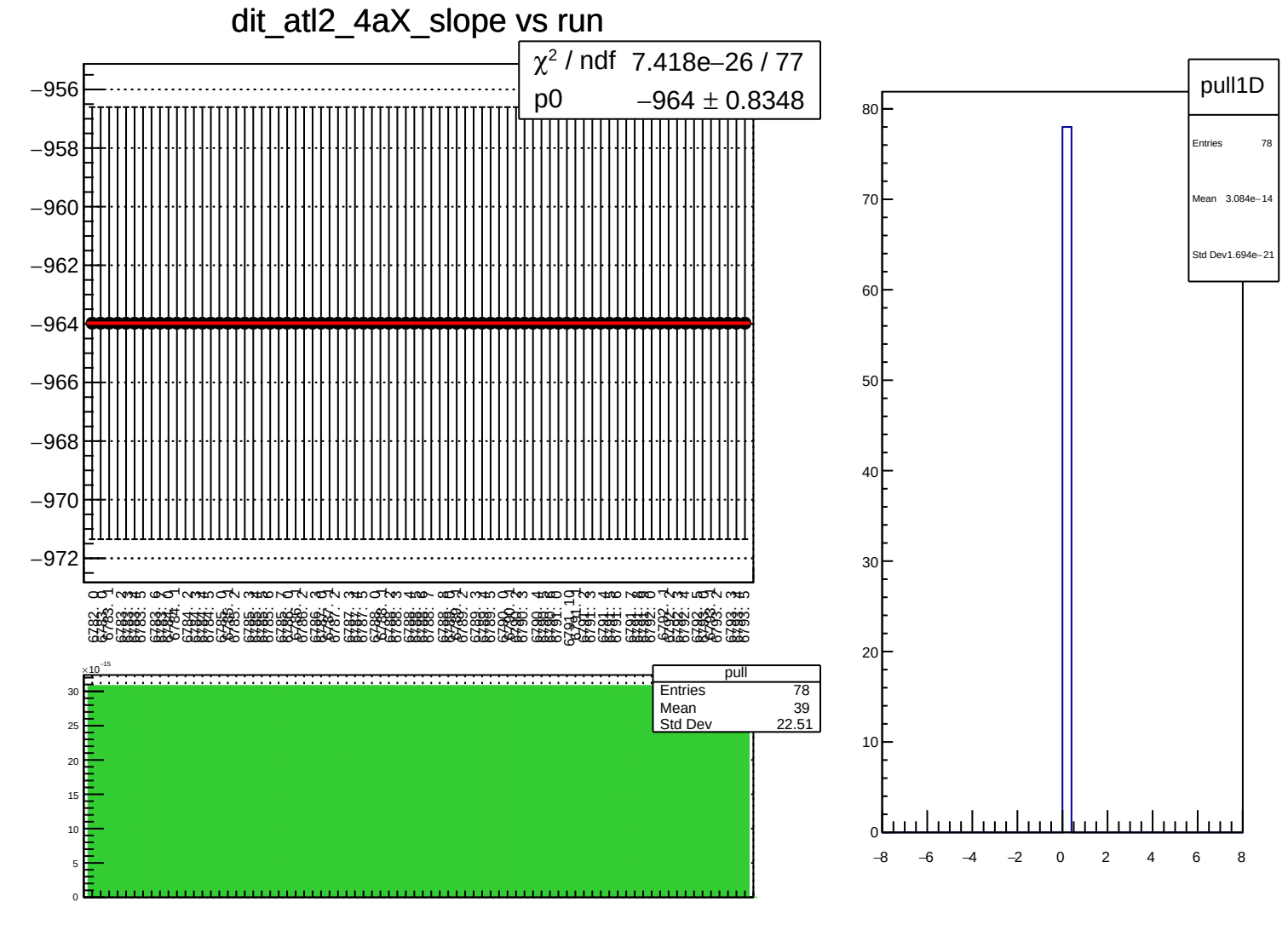

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.139e−25 / 77
p0 95.6 ± 0.4211
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −3.821e−14
Std Dev1.037e−21

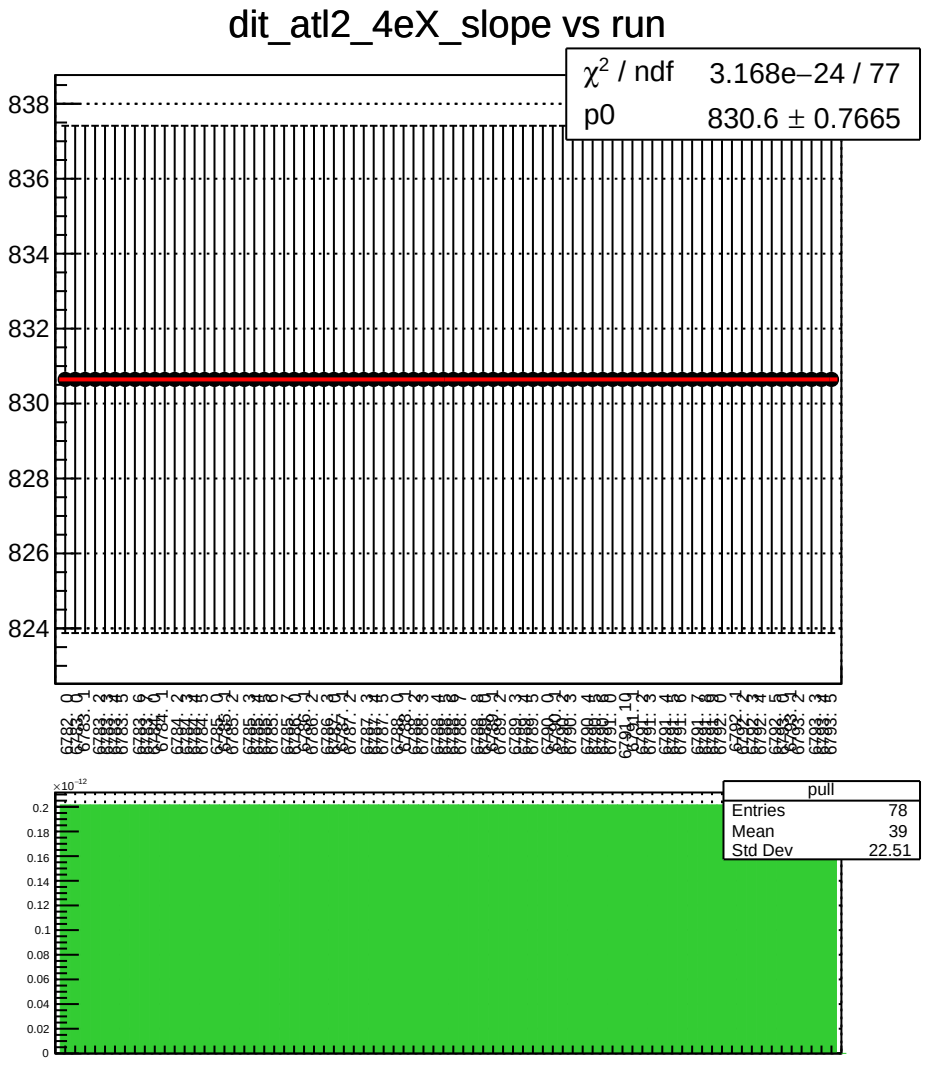

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.395e−25 / 77
p0 −19.36 ± 0.1427
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
40
35
30
25
20
15
10
5
0

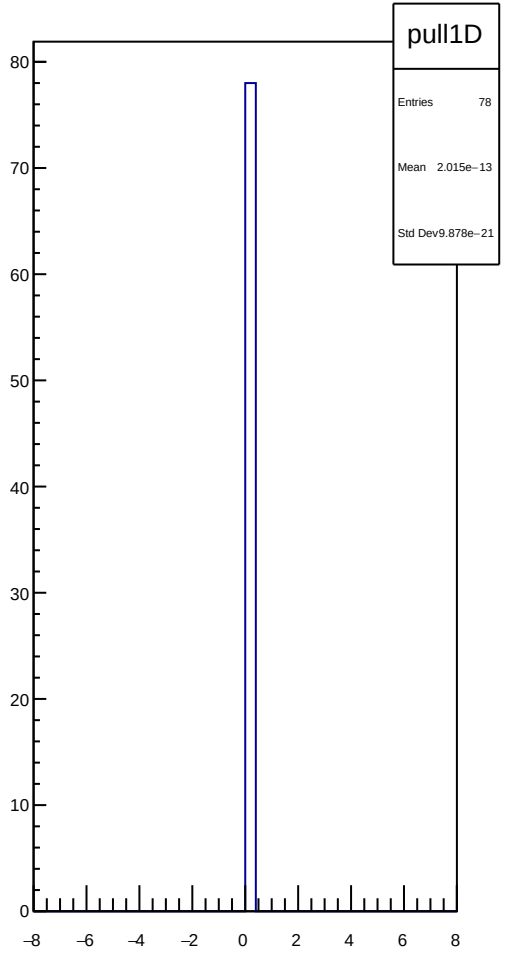

pull1D
Entries 78
Mean 4.229e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

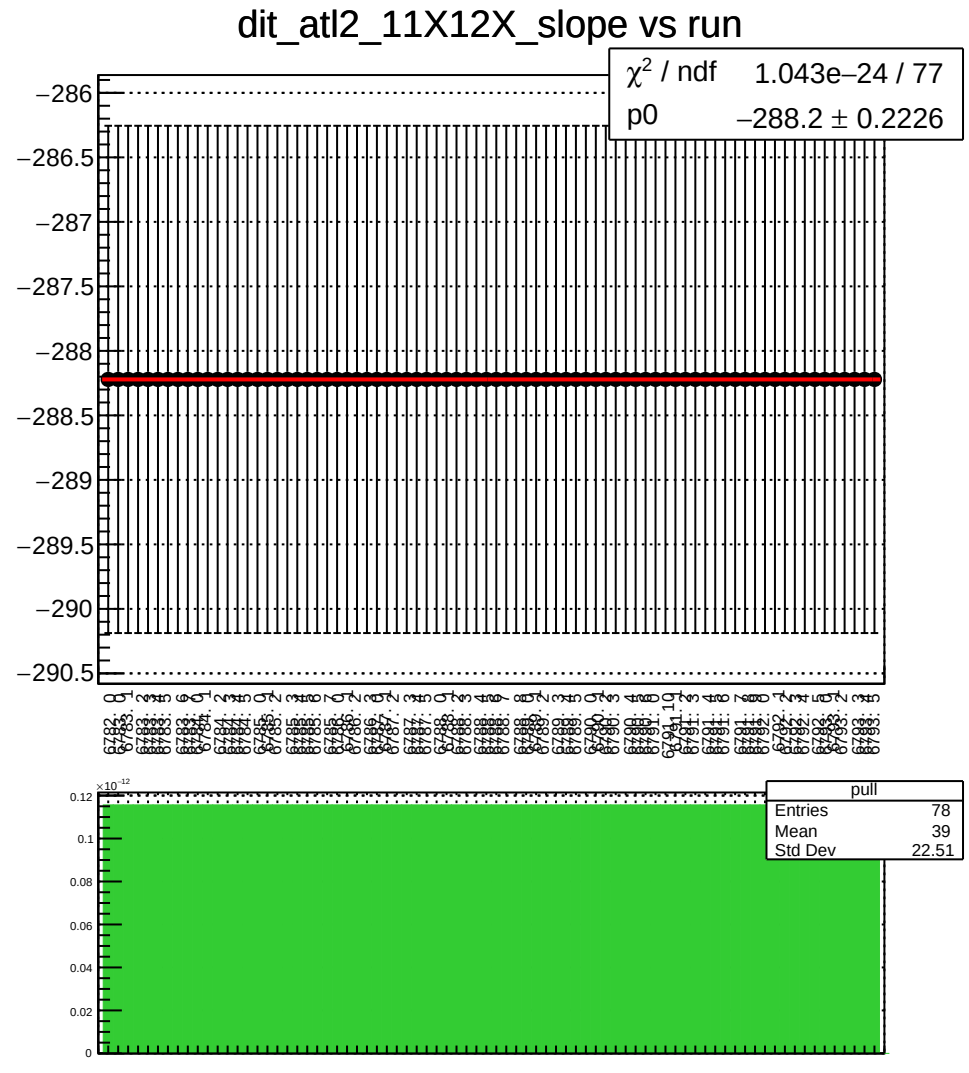

dit_atl1_4aY_slope vs run
χ² / ndf 1.952e−25 / 77
p0 12.03 ± 0.06031
12.6
12.4
12.2
12
11.8
11.6
11.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 78
Mean −5.003e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

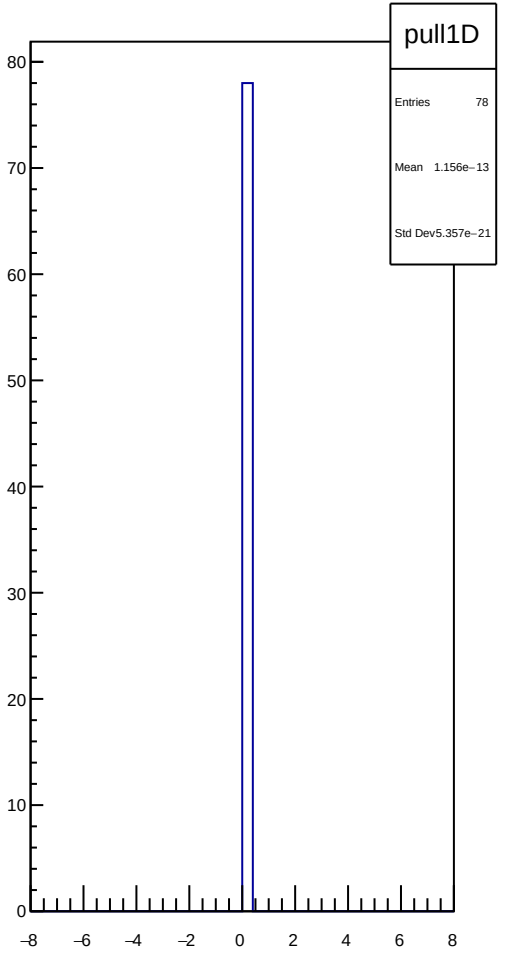

dit_atl1_4eY_slope vs run
χ² / ndf 4.733e−26 / 77
p0 −19.83 ± 0.06532
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 78
Mean −2.463e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

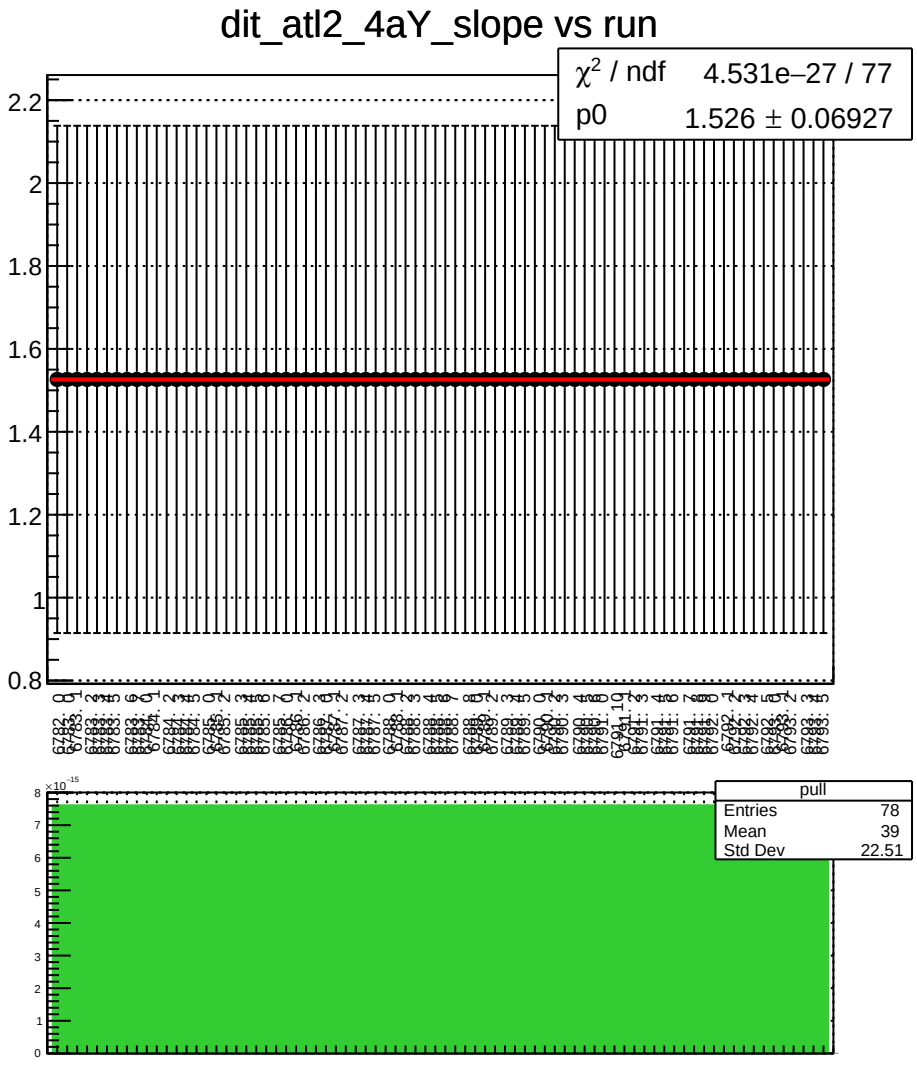

dit_atl2_4aX_slope vs run
χ² / ndf 7.418e−26 / 77
p0 −964 ± 0.8348
−956
−958
−960
−962
−964
−966
−968
−970
−972
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.084e−14
Std Dev1.694e−21

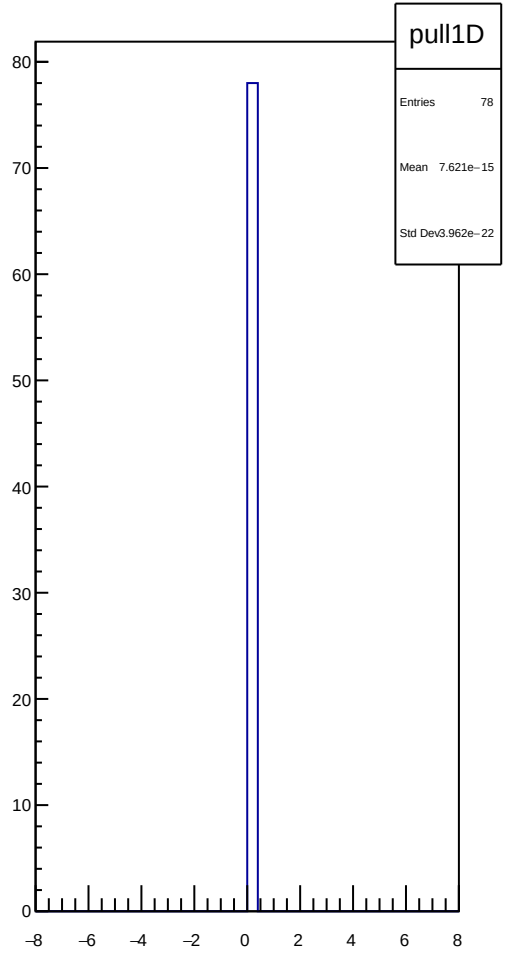

dit_atl2_4eX_slope vs run
χ^2 / ndf 3.168e−24 / 77
p0 830.6 ± 0.7665
838
836
834
832
830
828
826
824
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

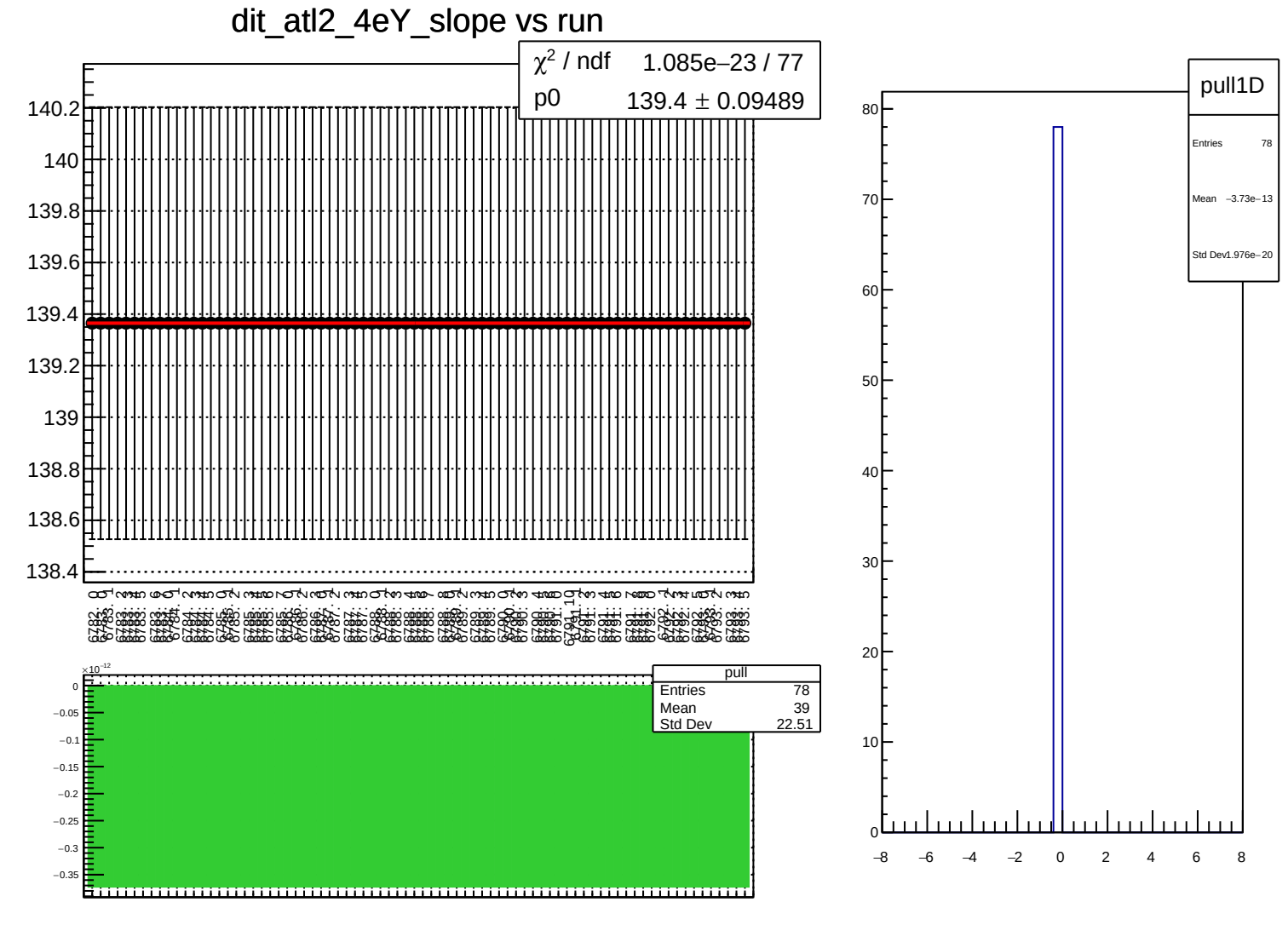

pull1D
Entries 78
Mean 2.015e−13
Std Dev9.878e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

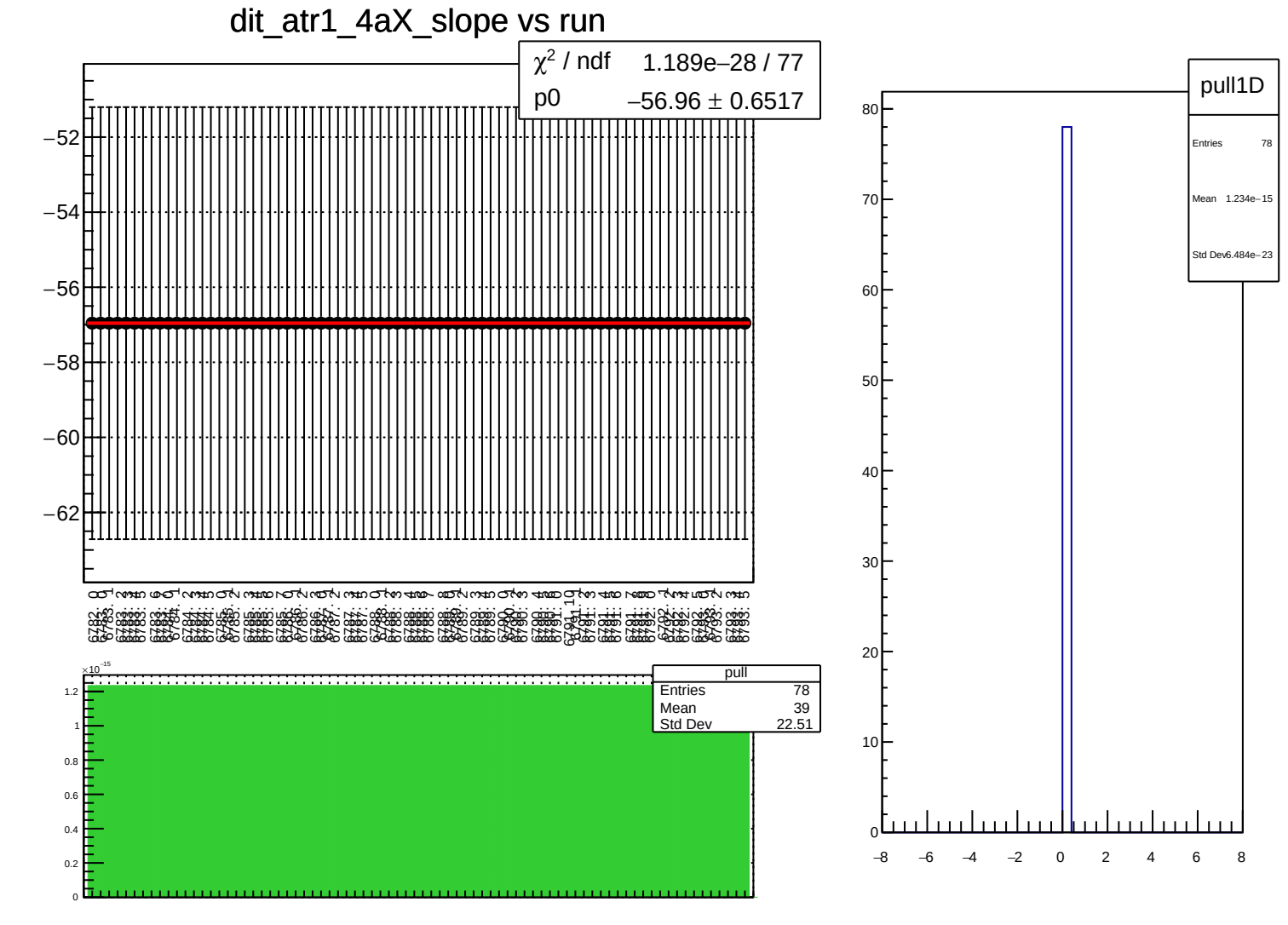

dit_atl2_11X12X_slope vs run
χ² / ndf 1.043e−24 / 77
p0 −288.2 ± 0.2226
−286
−286.5
−287
−287.5
−288
−288.5
−289
−289.5
−290
−290.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

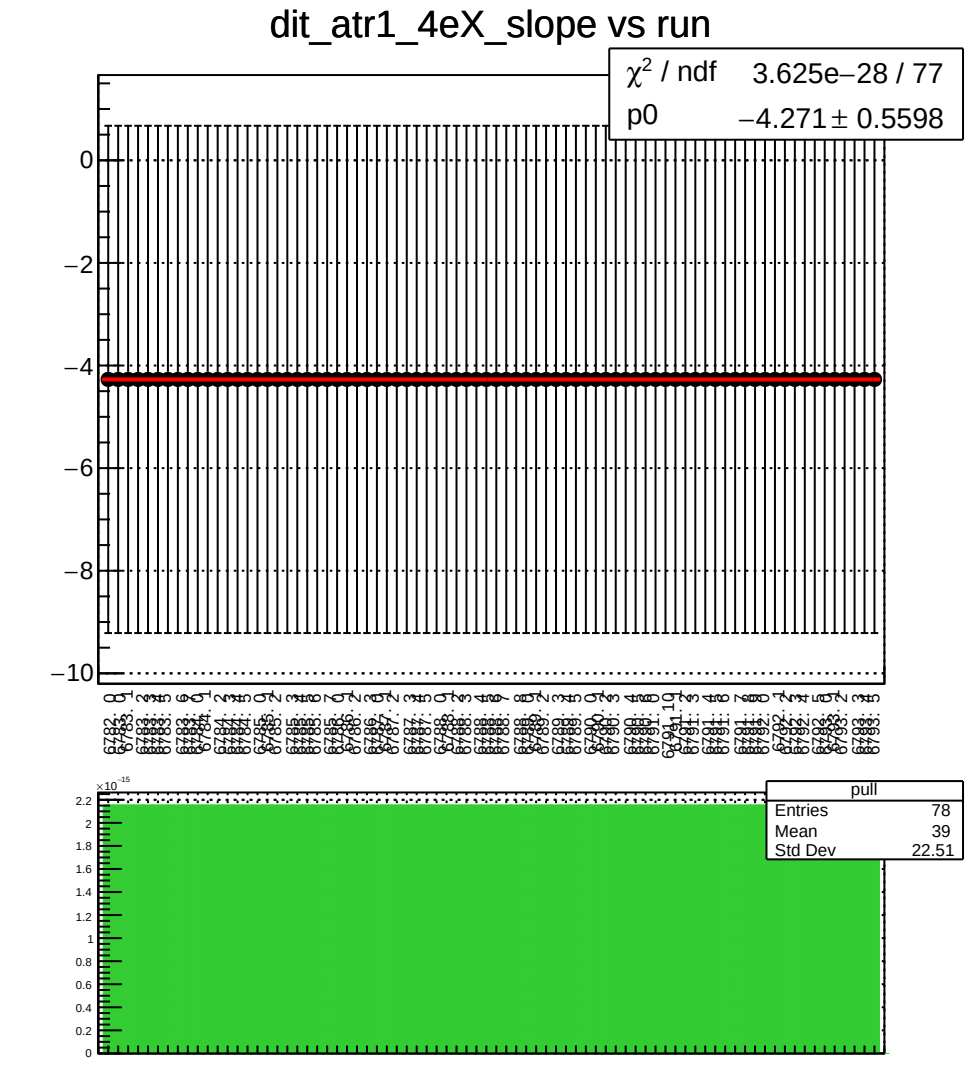

pull1D
Entries 78
Mean 1.156e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

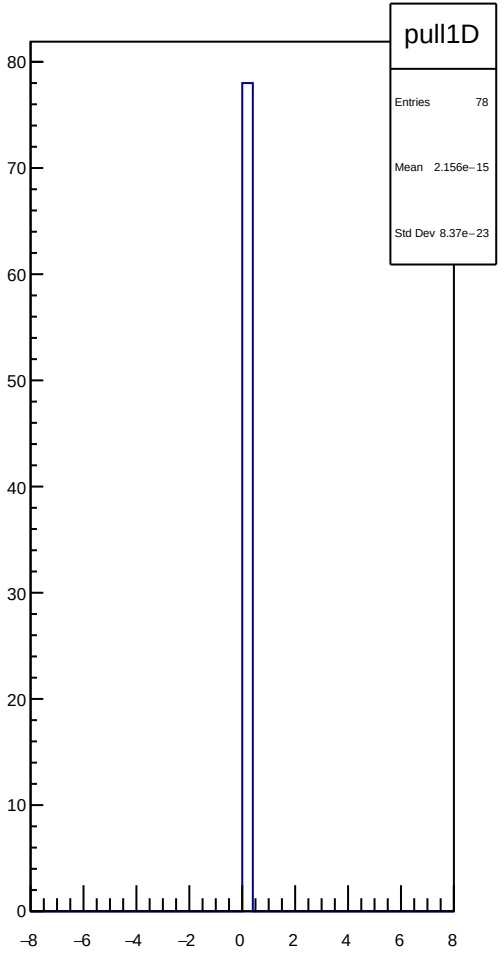

dit_atl2_4aY_slope vs run
χ² / ndf 4.531e−27 / 77
p0 1.526 ± 0.06927
pull
Entries 78
Mean 39
Std Dev 22.51

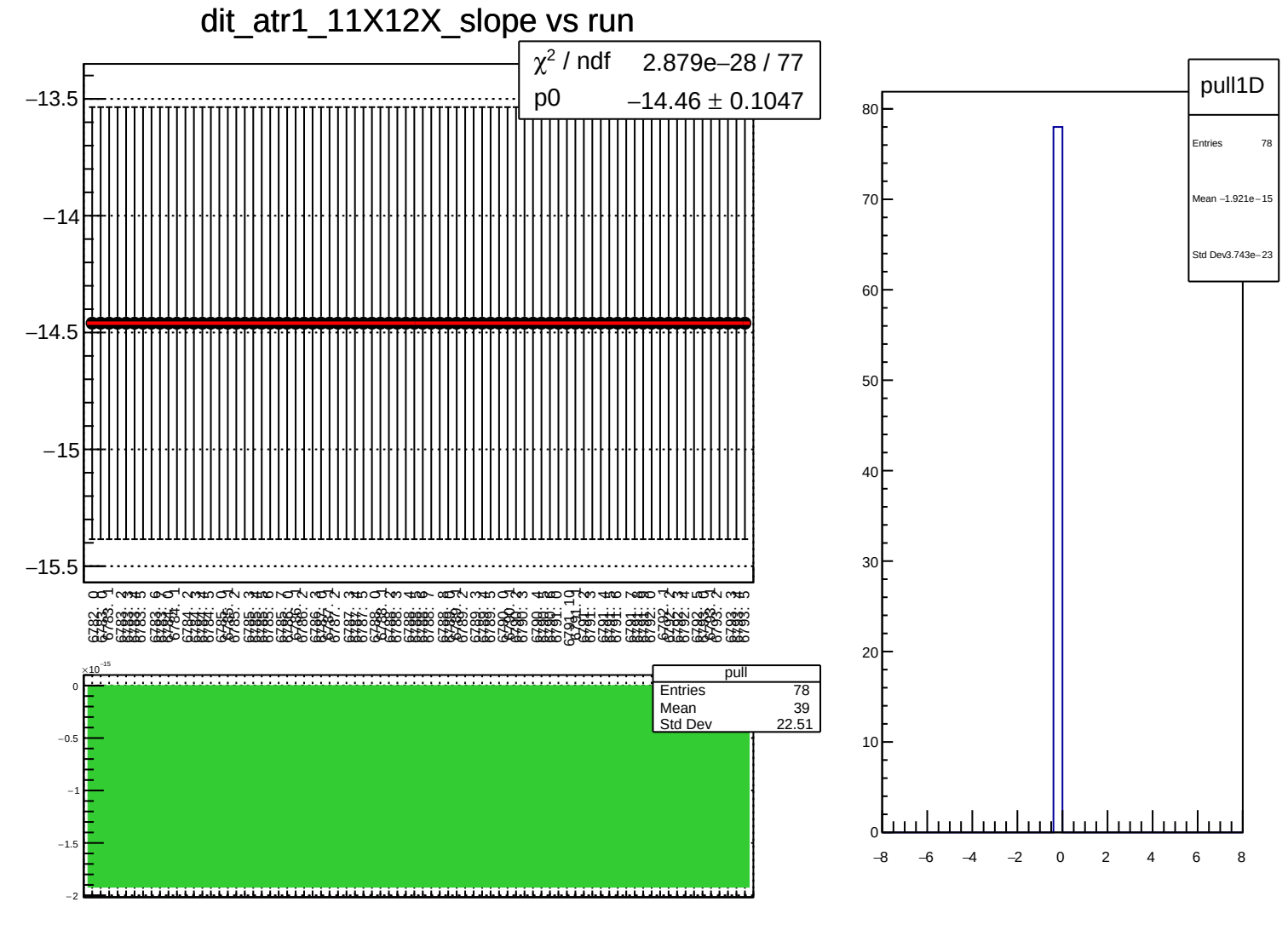

pull1D
Entries 78
Mean 7.621e−15
Std Dev 3.962e−22

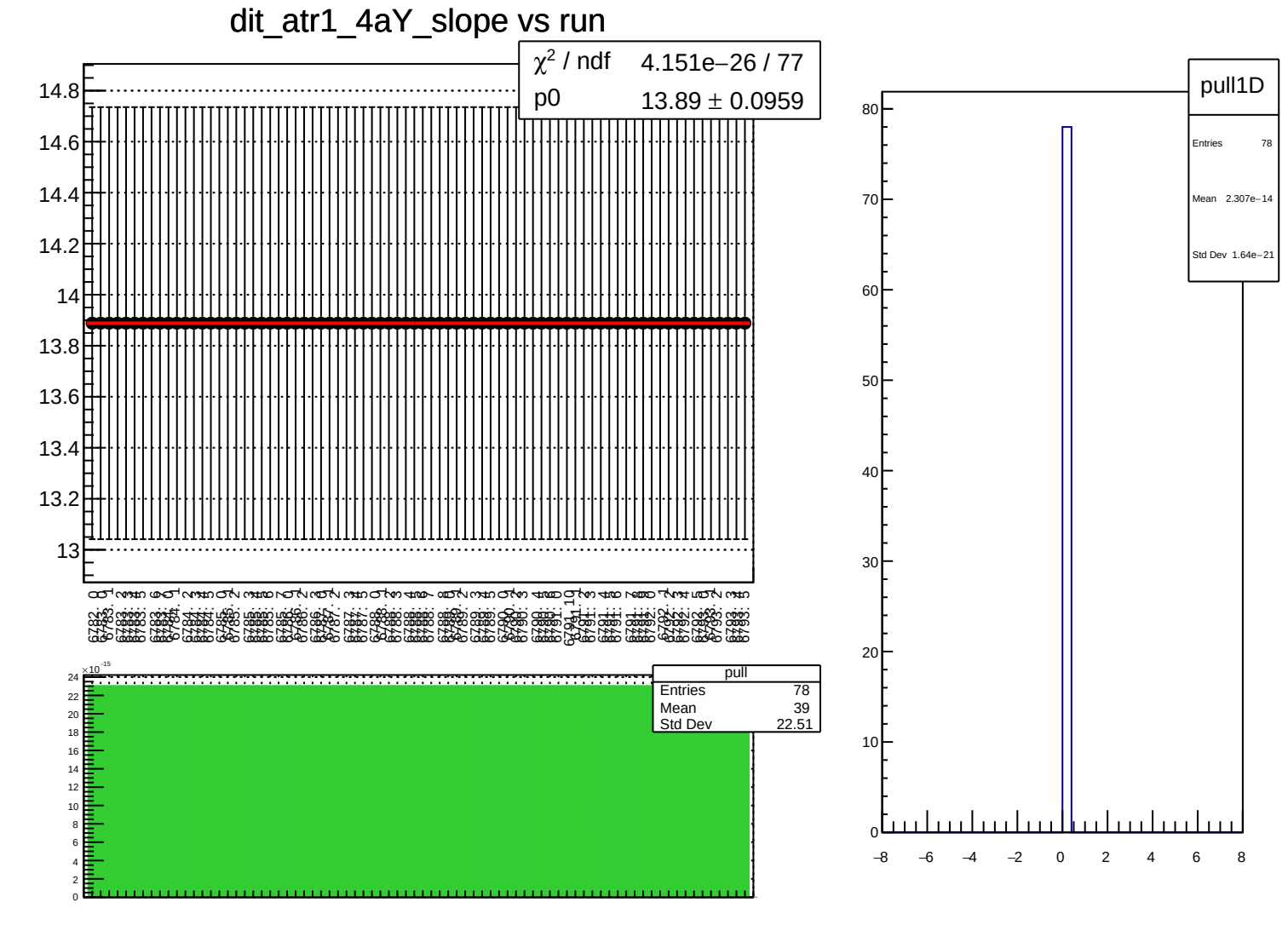

dit_atl2_4eY_slope vs run
χ² / ndf 1.085e−23 / 77
p0 139.4 ± 0.09489
140.2
140
139.8
139.6
139.4
139.2
139
138.8
138.6
138.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 78
Mean −3.73e−13
Std Dev1.976e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

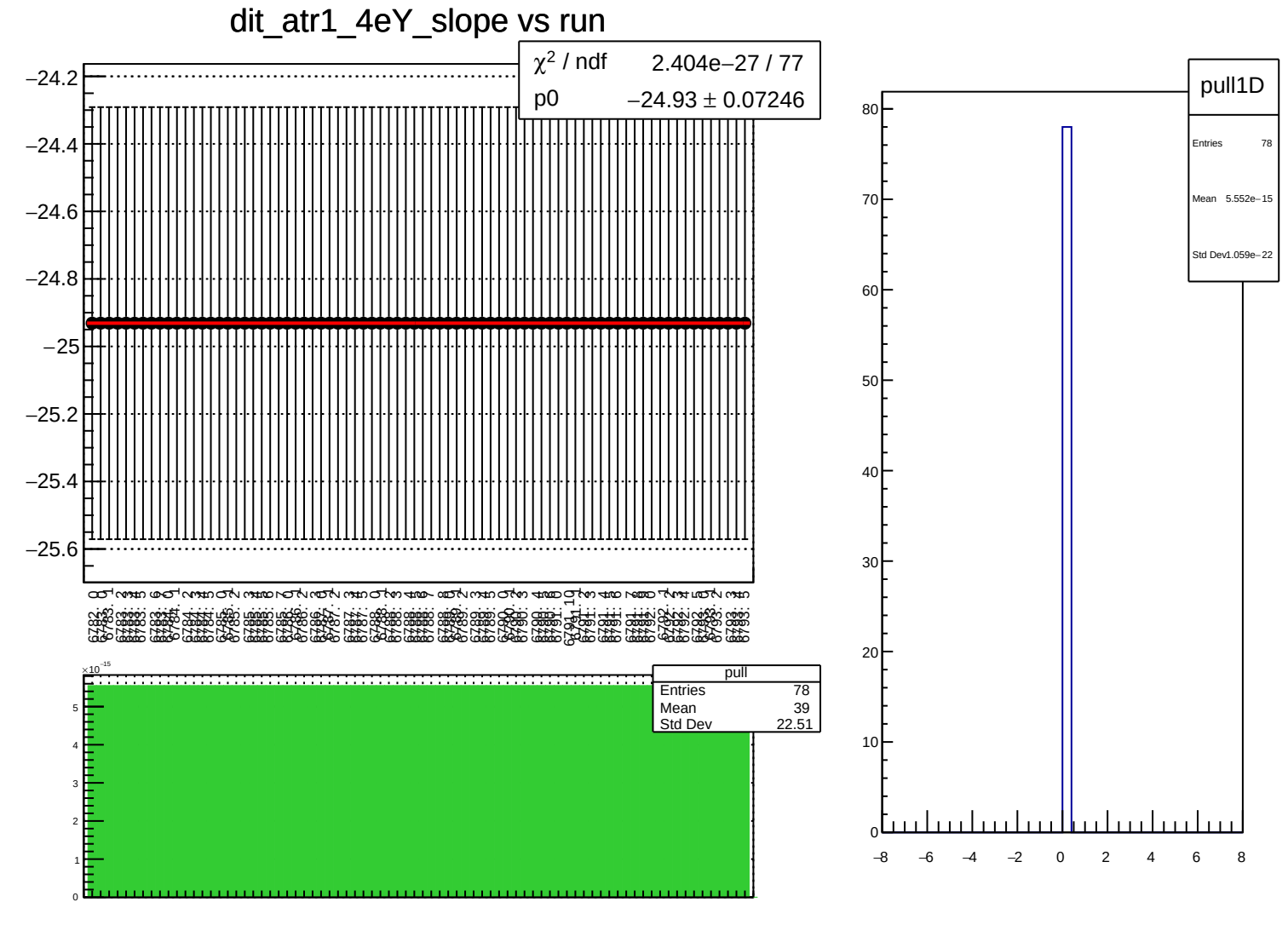

dit_atr1_4aX_slope vs run
χ² / ndf 1.189e−28 / 77
p0 −56.96 ± 0.6517
−52
−54
−56
−58
−60
−62
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 78
Mean 1.234e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

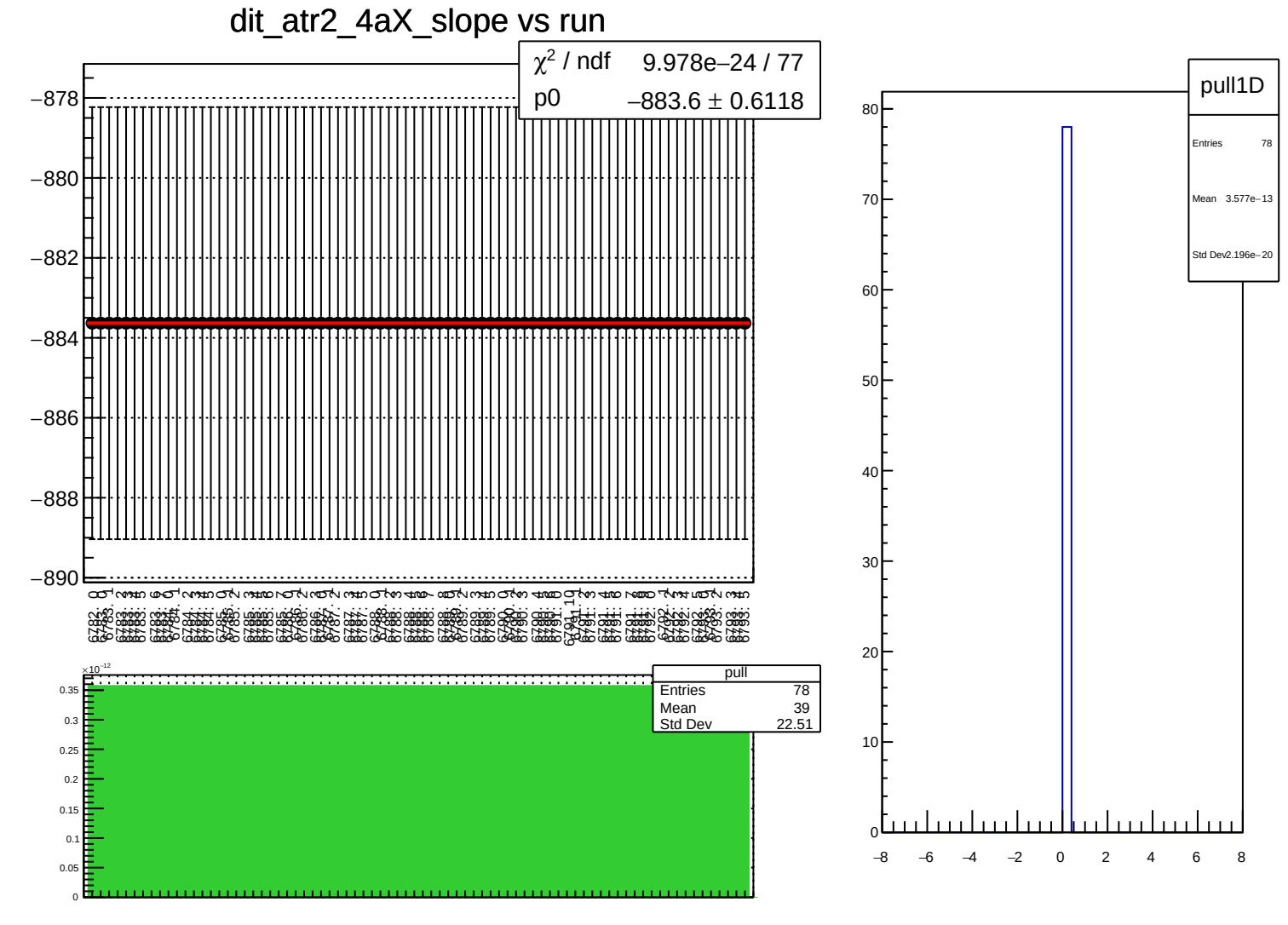

dit_atr1_4eX_slope vs run
χ² / ndf 3.625e−28 / 77
p0 −4.271 ± 0.5598
pull
Entries 78
Mean 39
Std Dev 22.51

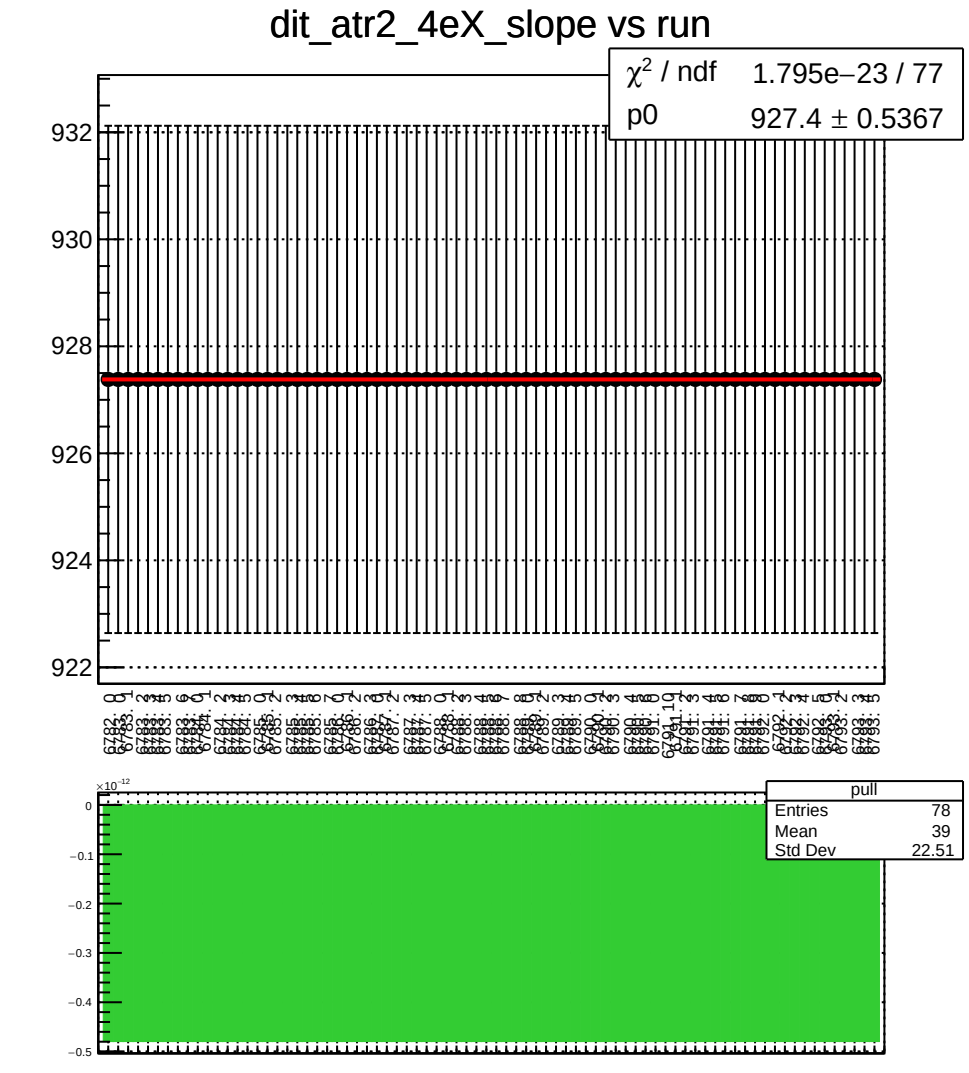

pull1D
Entries 78
Mean 2.156e−15
Std Dev 8.37e−23

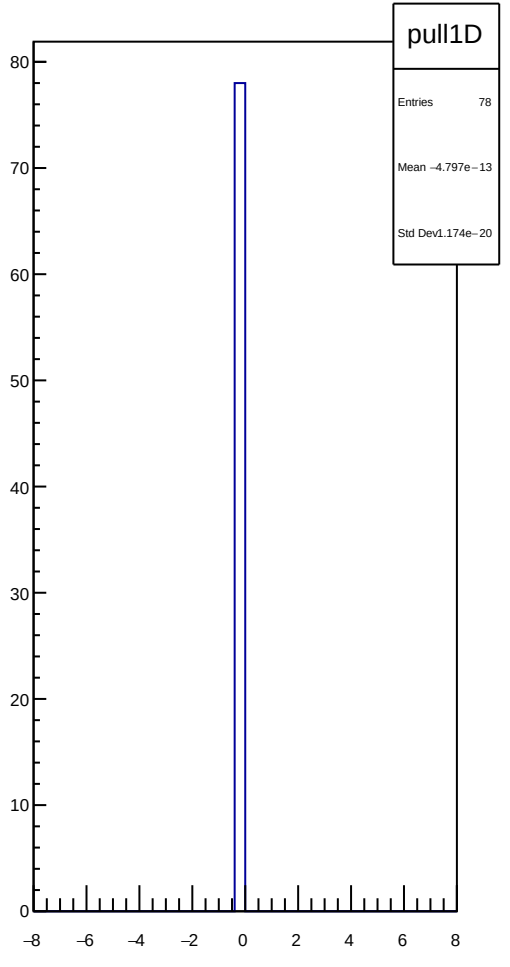

dit_atr1_11X12X_slope vs run
χ² / ndf 2.879e−28 / 77
p0 −14.46 ± 0.1047
−13.5
−14
−14.5
−15
−15.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean −1.921e−15
Std Dev 3.743e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

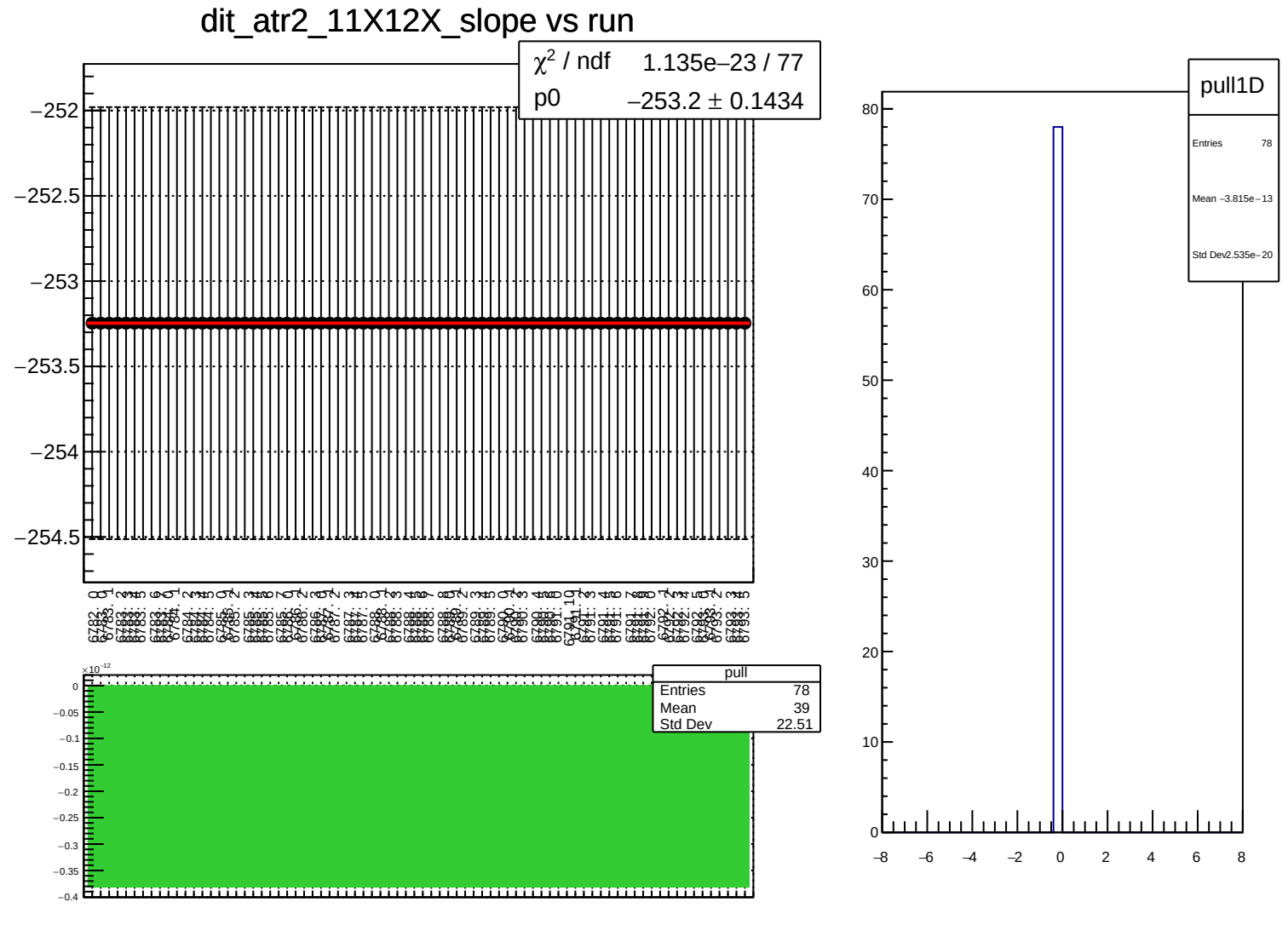

dit_atr1_4aY_slope vs run
χ^2 / ndf 4.151e−26 / 77
p0 13.89 ± 0.0959
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 2.307e−14
Std Dev 1.64e−21

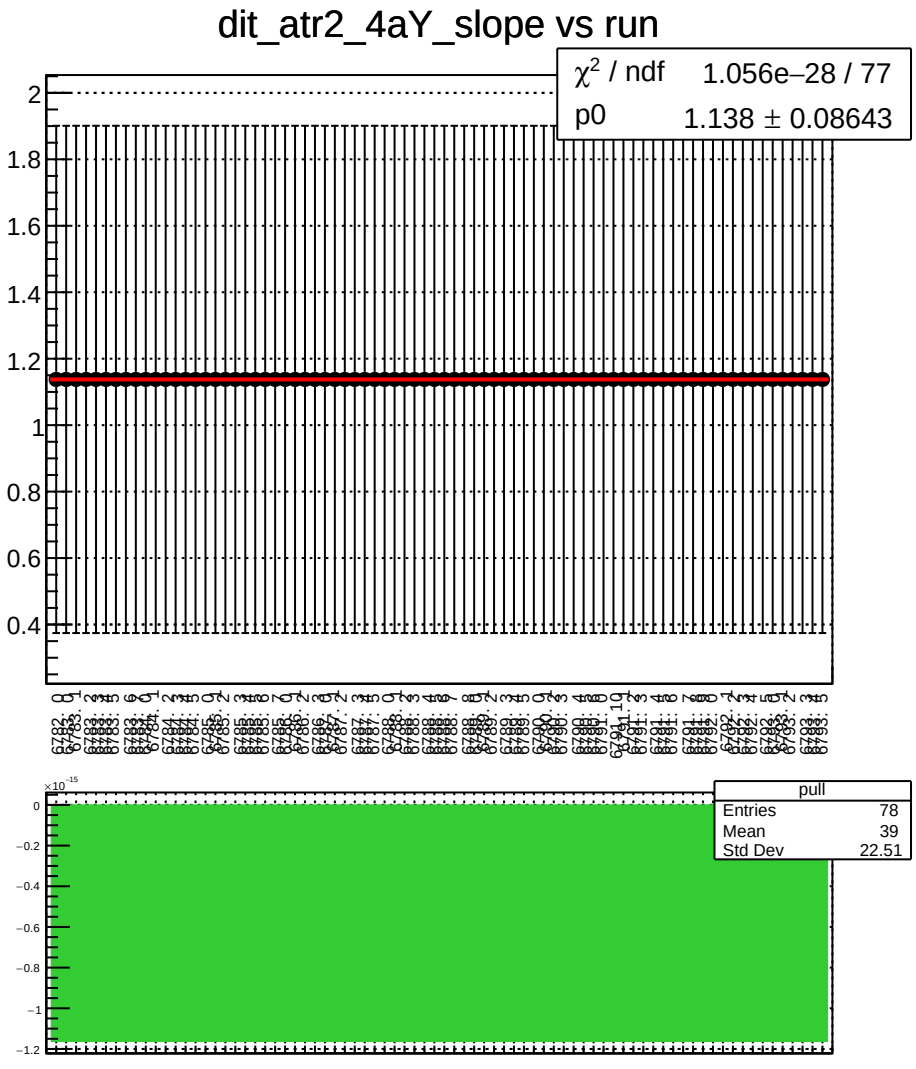

dit_atr1_4eY_slope vs run
χ² / ndf 2.404e−27 / 77
p0 −24.93 ± 0.07246
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 5.552e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

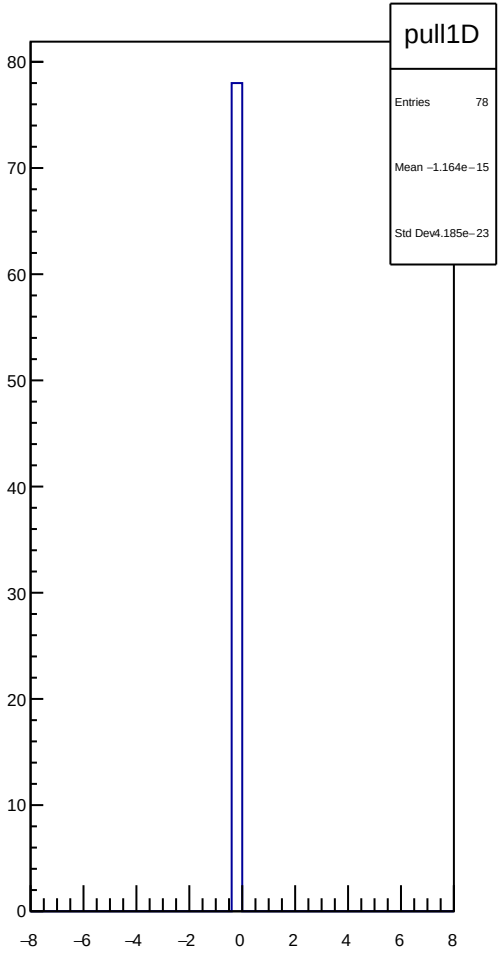

dit_atr2_4aX_slope vs run
χ² / ndf 9.978e−24 / 77
p0 −883.6 ± 0.6118
−878
−880
−882
−884
−886
−888
−890
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.577e−13
Std Dev 2.196e−20

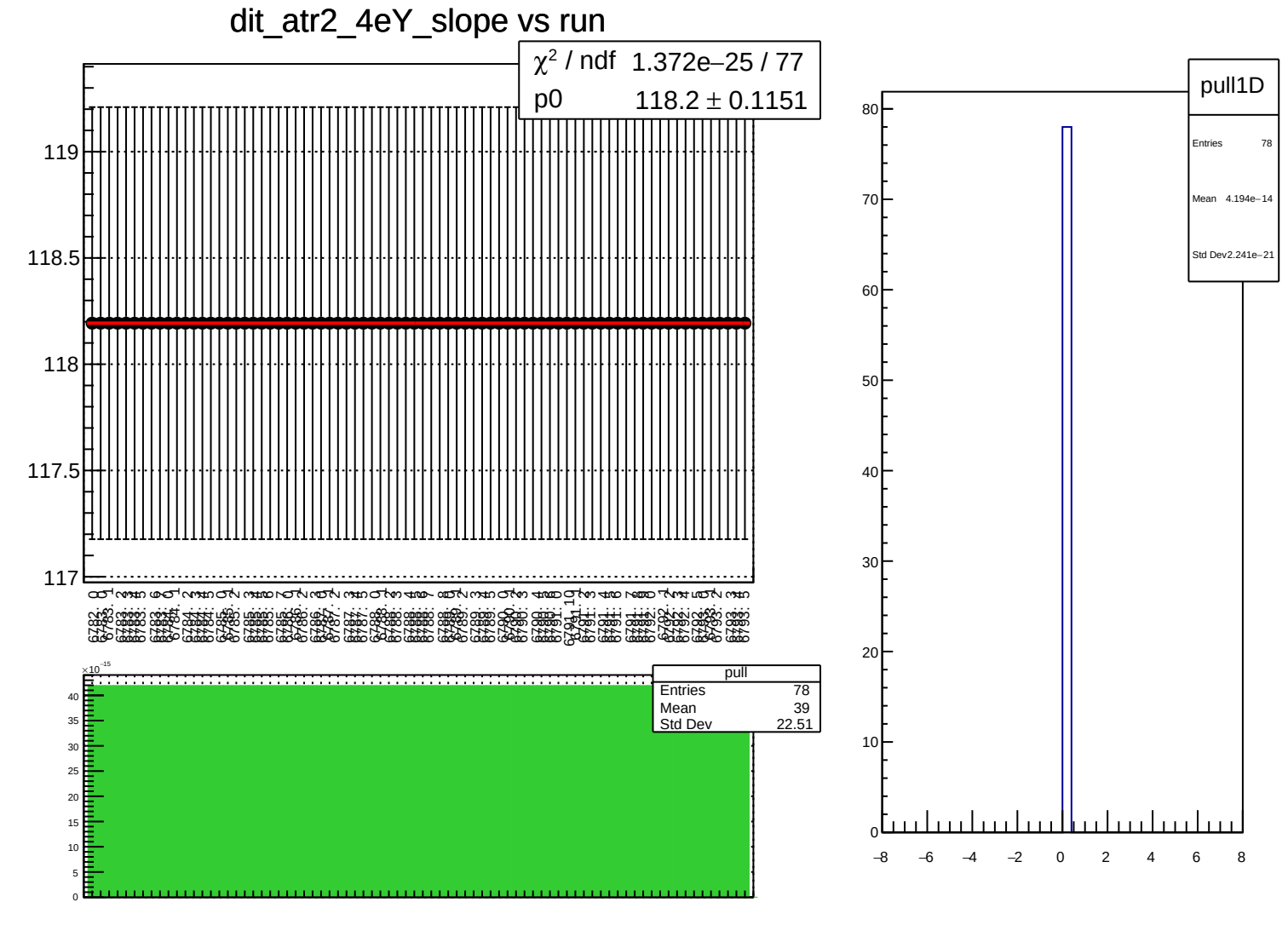

dit_atr2_4eX_slope vs run
χ² / ndf 1.795e−23 / 77
p0 927.4 ± 0.5367
932
930
928
926
924
922
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

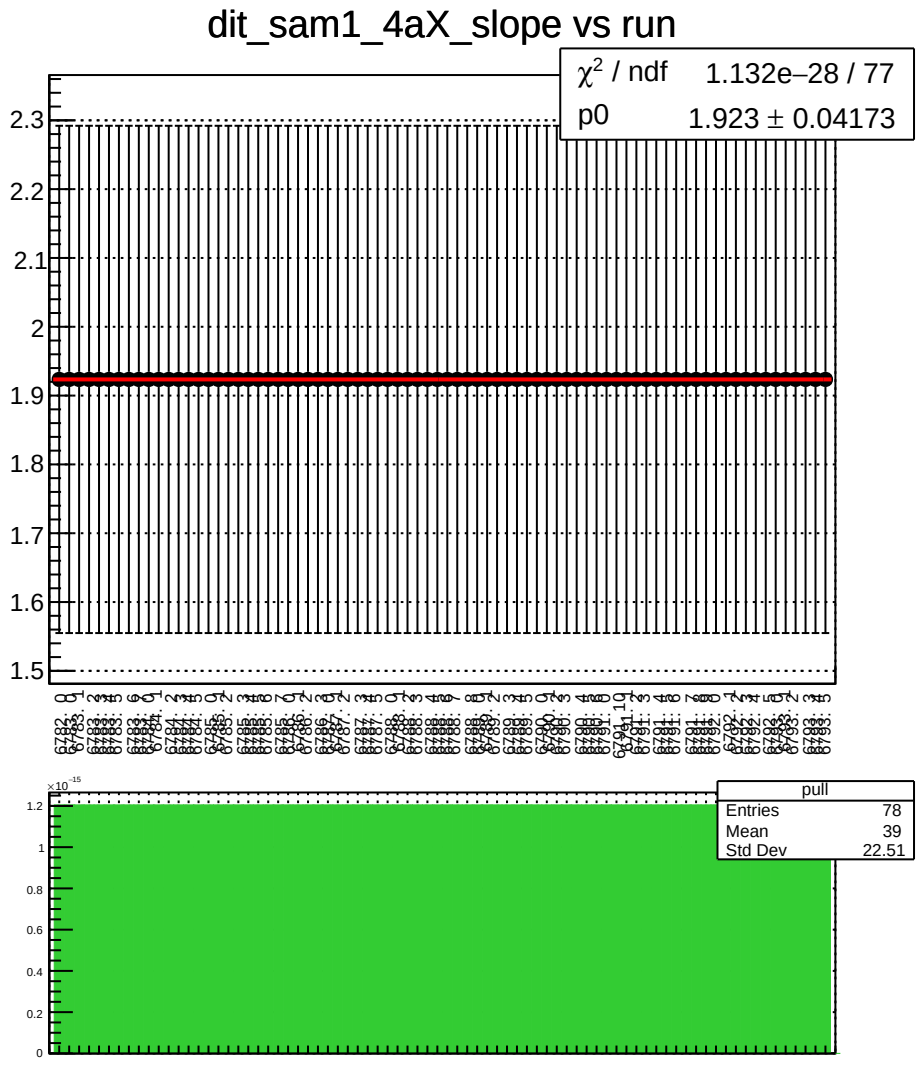

pull1D
Entries 78
Mean −4.797e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

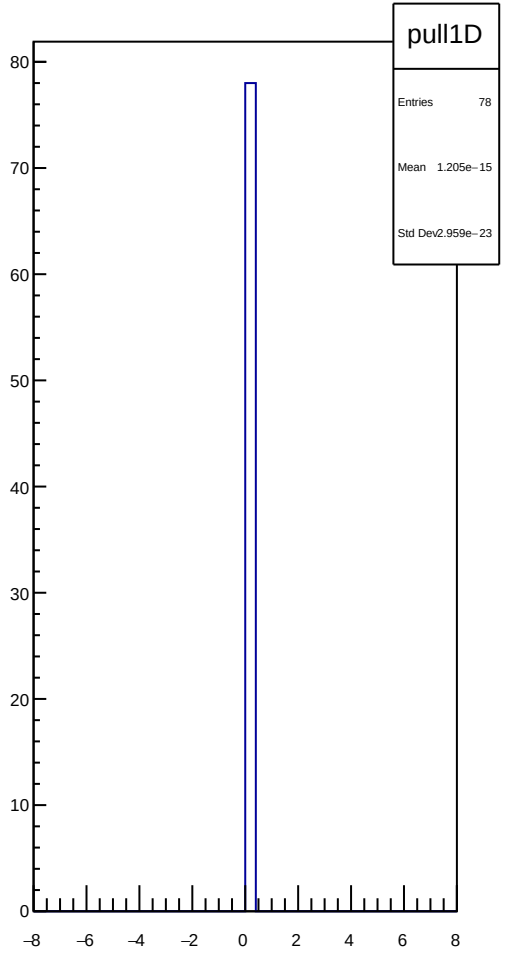

dit_atr2_11X12X_slope vs run
χ² / ndf 1.135e−23 / 77
p0 −253.2 ± 0.1434
−252
−252.5
−253
−253.5
−254
−254.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 78
Mean −3.815e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

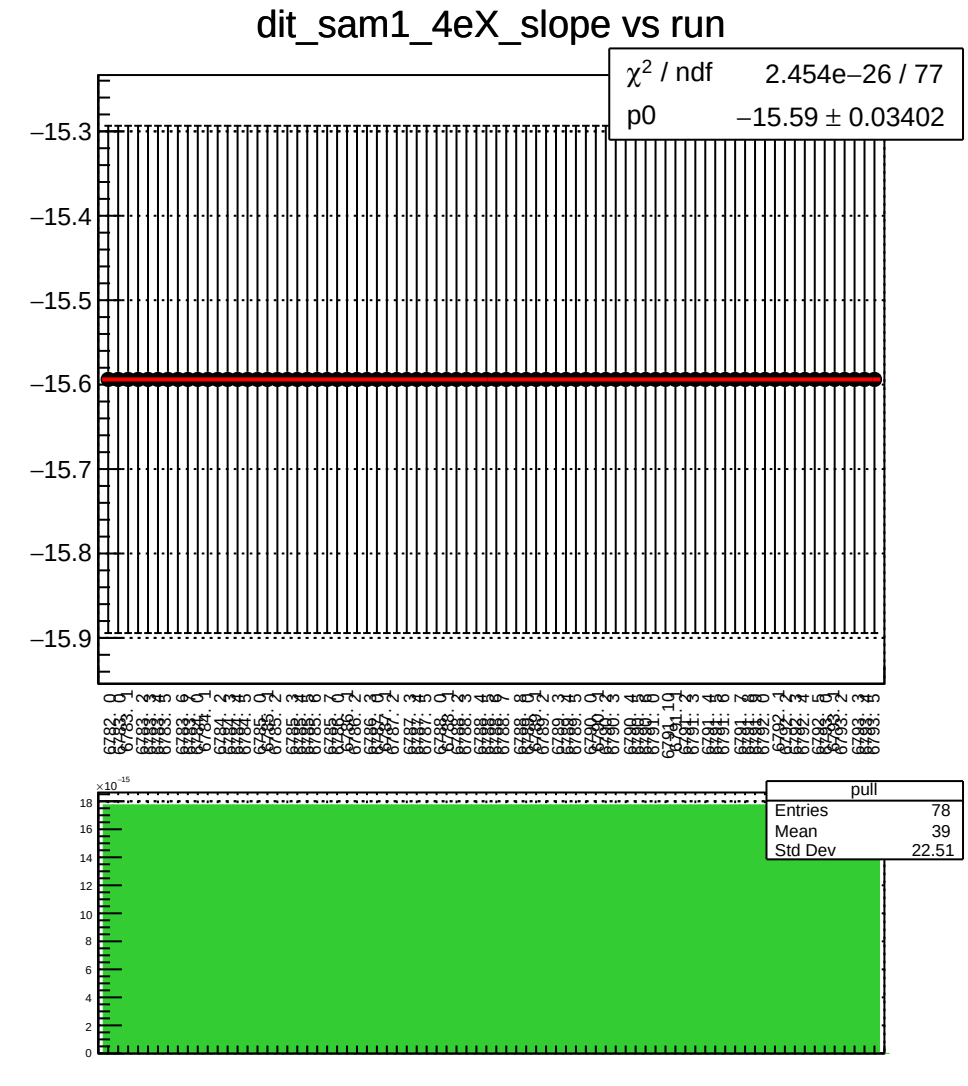

dit_atr2_4aY_slope vs run
χ² / ndf 1.056e−28 / 77
p0 1.138 ± 0.08643
pull
Entries 78
Mean 39
Std Dev 22.51

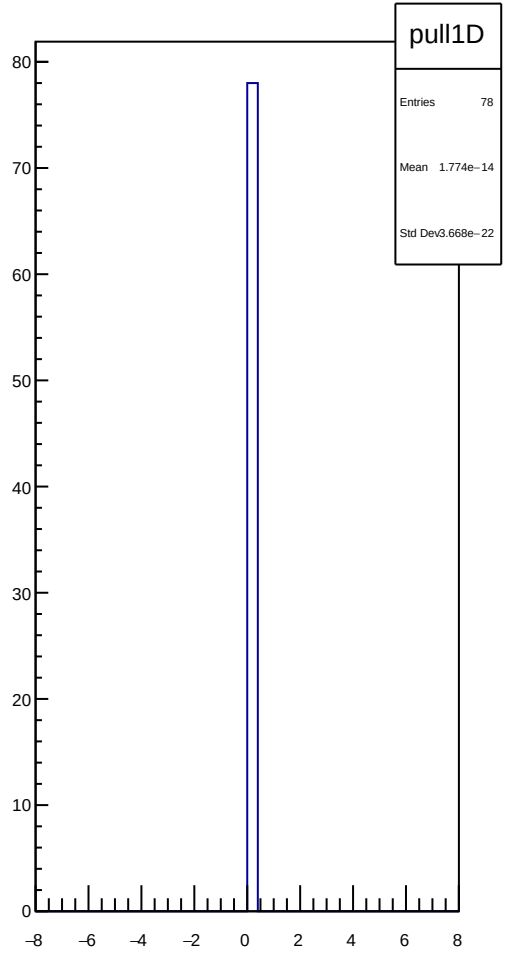

pull1D
Entries 78
Mean −1.164e−15
Std Dev4.185e−23

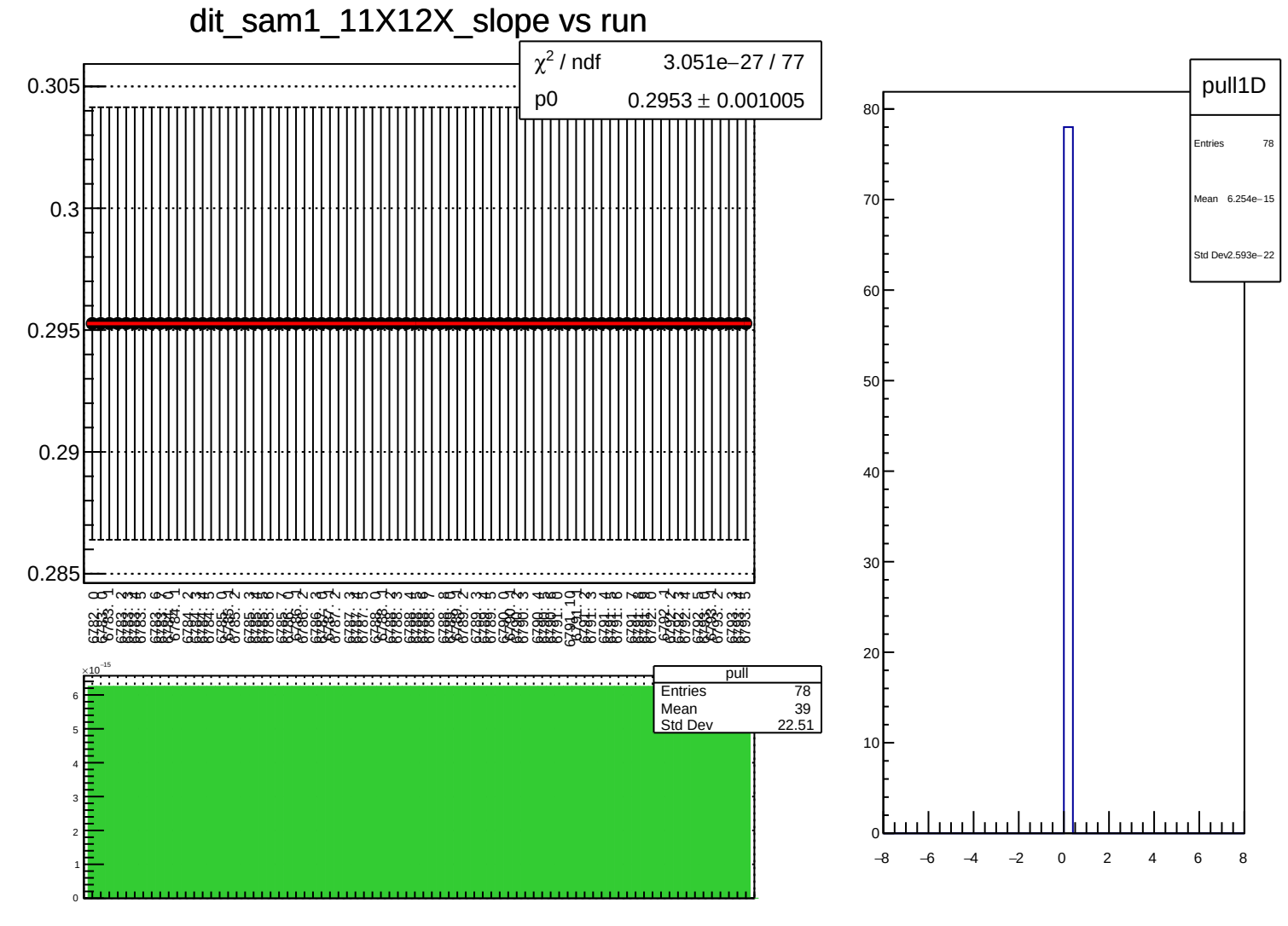

dit_atr2_4eY_slope vs run
χ² / ndf 1.372e−25 / 77
p0 118.2 ± 0.1151
119
118.5
118
117.5
117
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
pull1D
Entries 78
Mean 4.194e−14
Std Dev2.241e−21

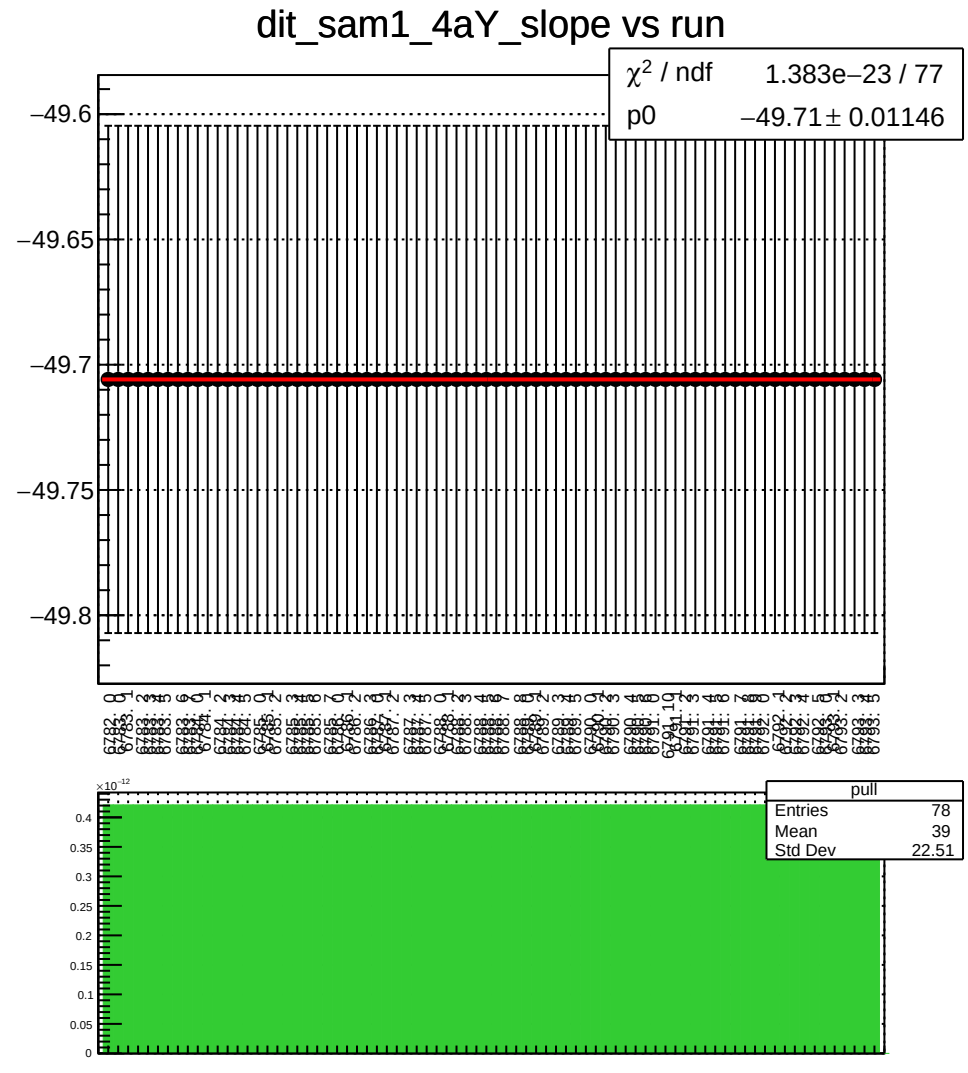

dit_sam1_4aX_slope vs run
χ² / ndf 1.132e−28 / 77
p0 1.923 ± 0.04173
pull
Entries 78
Mean 39
Std Dev 22.51

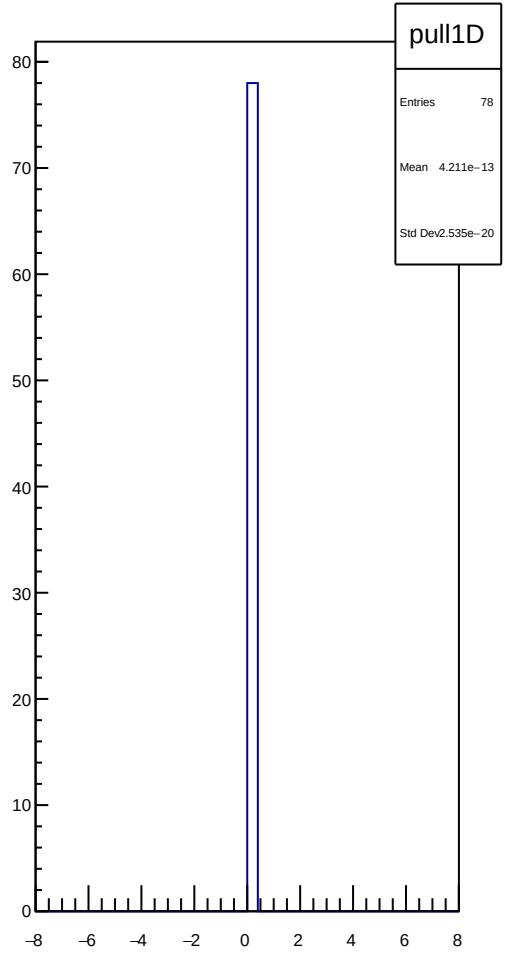

pull1D
Entries 78
Mean 1.205e−15
Std Dev 2.959e−23

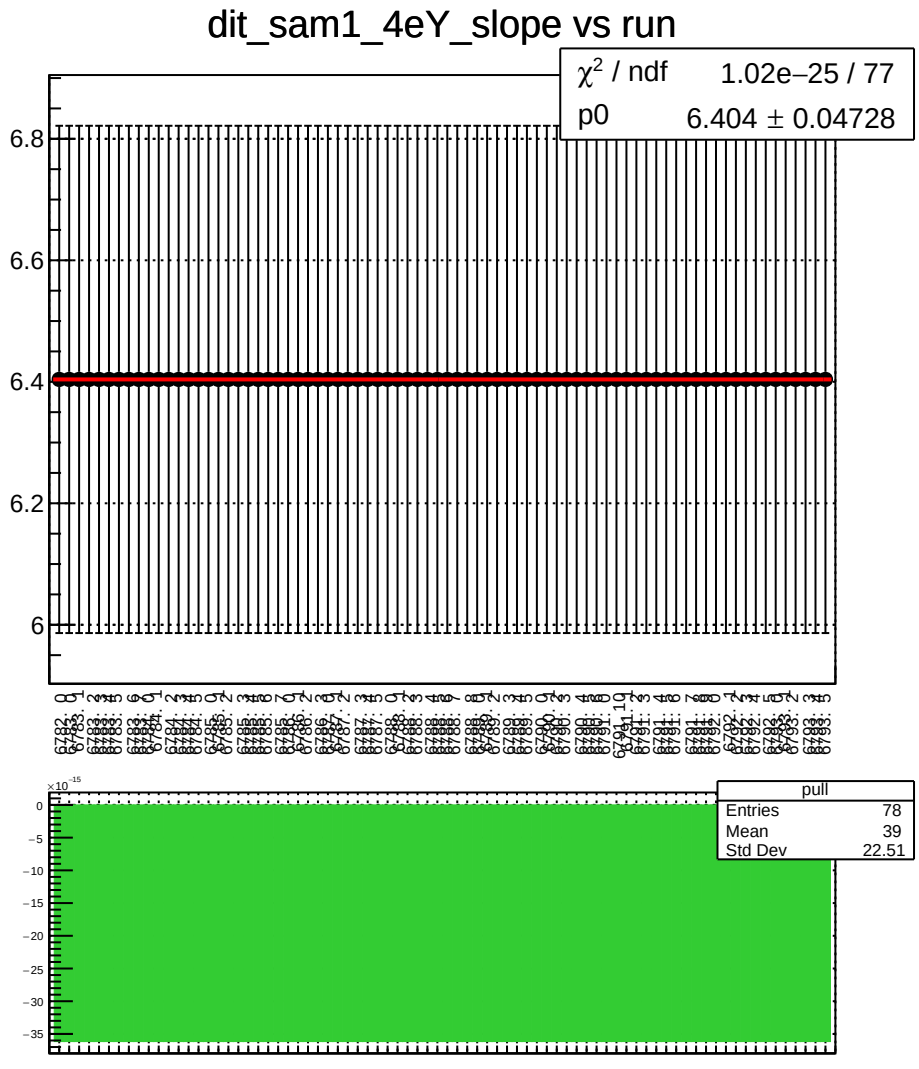

dit_sam1_4eX_slope vs run
χ² / ndf 2.454e−26 / 77
p0 −15.59 ± 0.03402
−15.3
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

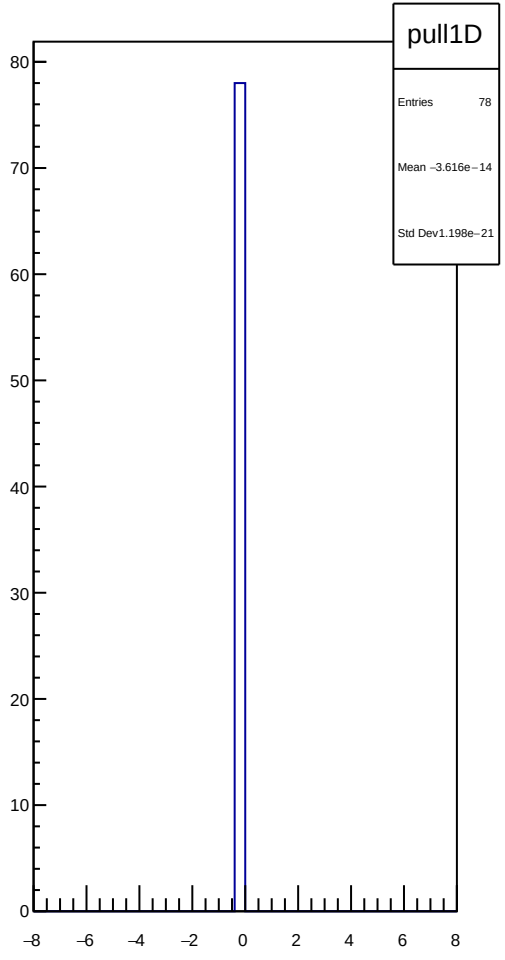

pull1D
Entries 78
Mean 1.774e−14
Std Dev3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

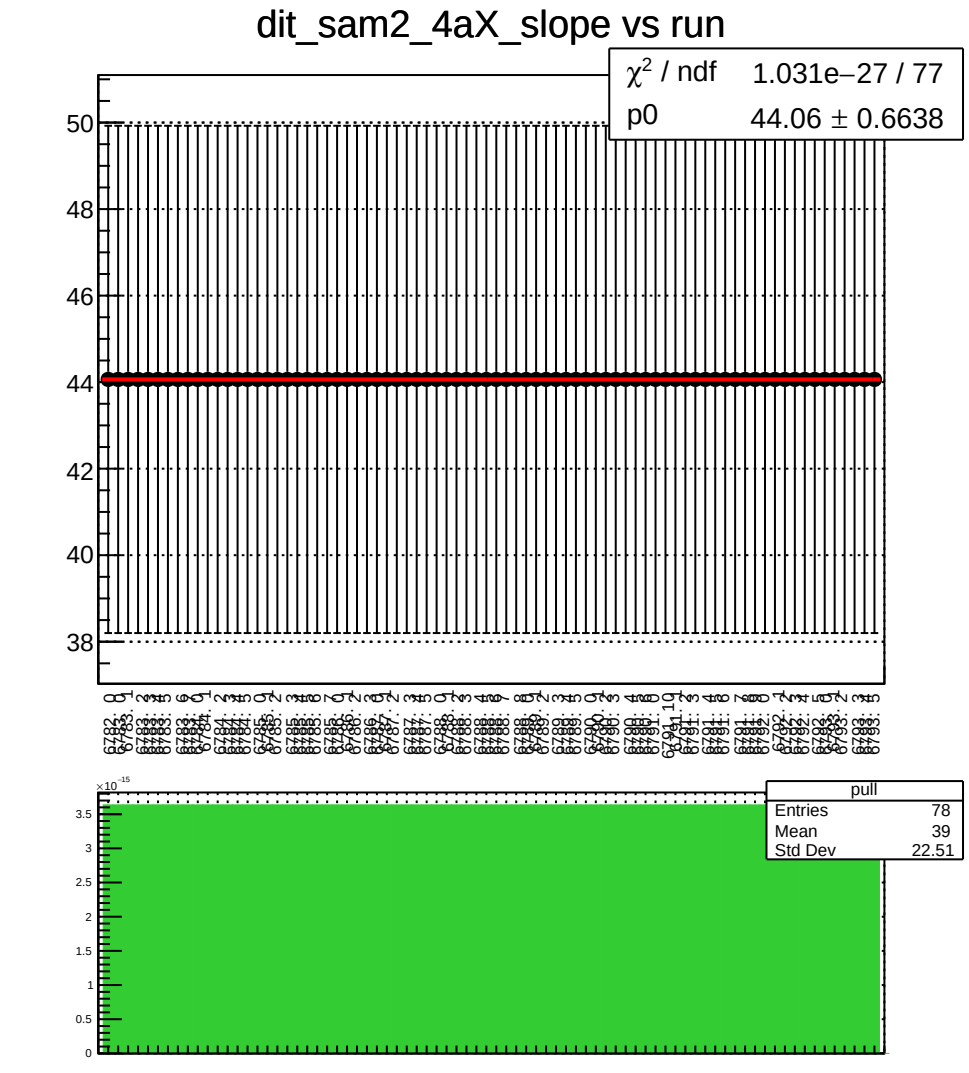

dit_sam1_11X12X_slope vs run
χ² / ndf 3.051e−27 / 77
p0 0.2953 ± 0.001005
0.305
0.3
0.295
0.29
0.285
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 6.254e−15
Std Dev 2.593e−22

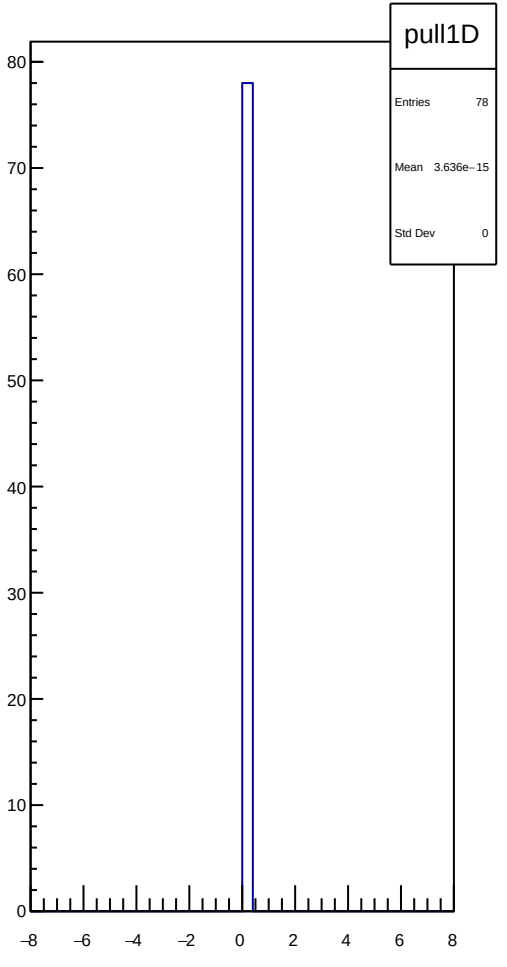

dit_sam1_4aY_slope vs run
χ² / ndf 1.383e−23 / 77
p0 −49.71 ± 0.01146
−49.6
−49.65
−49.7
−49.75
−49.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

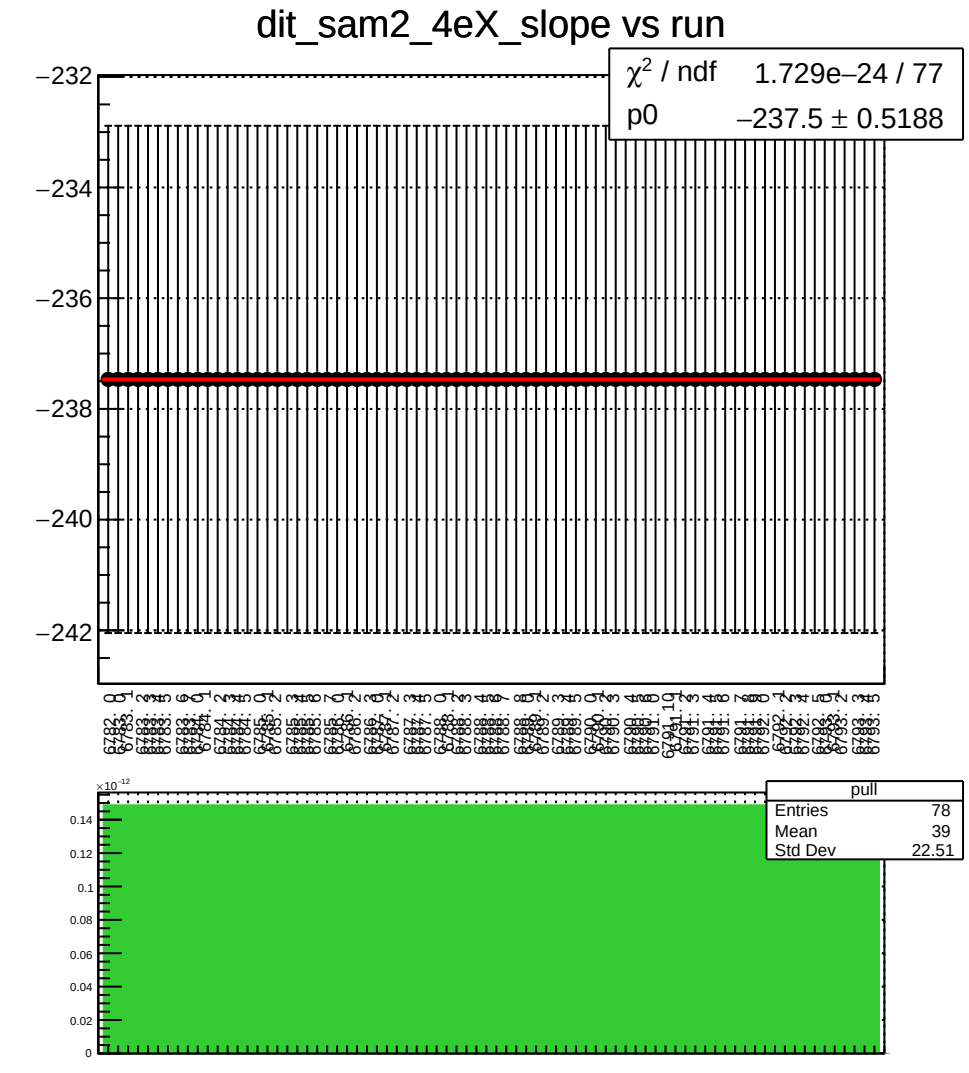

pull1D
Entries 78
Mean 4.211e−13
Std Dev 2.535e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

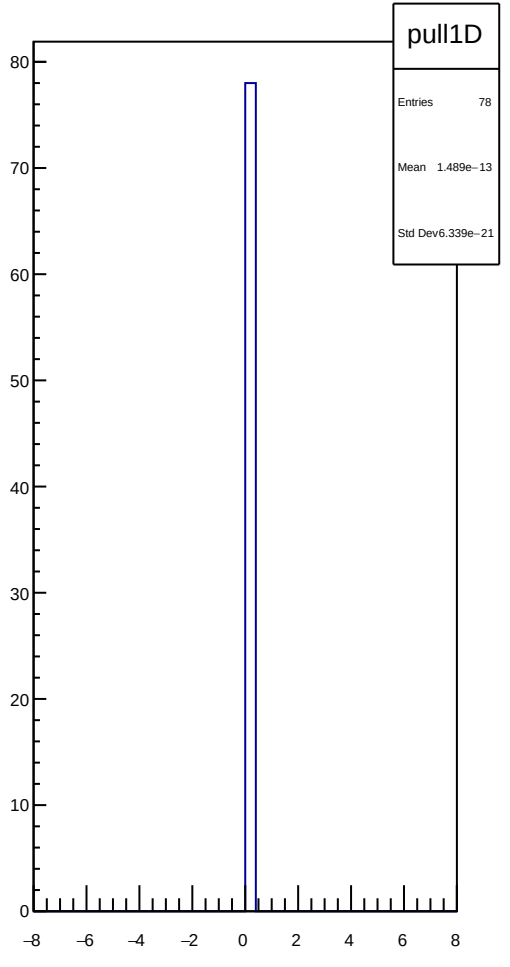

dit_sam1_4eY_slope vs run
χ² / ndf 1.02e−25 / 77
p0 6.404 ± 0.04728
6.8
6.6
6.4
6.2
6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

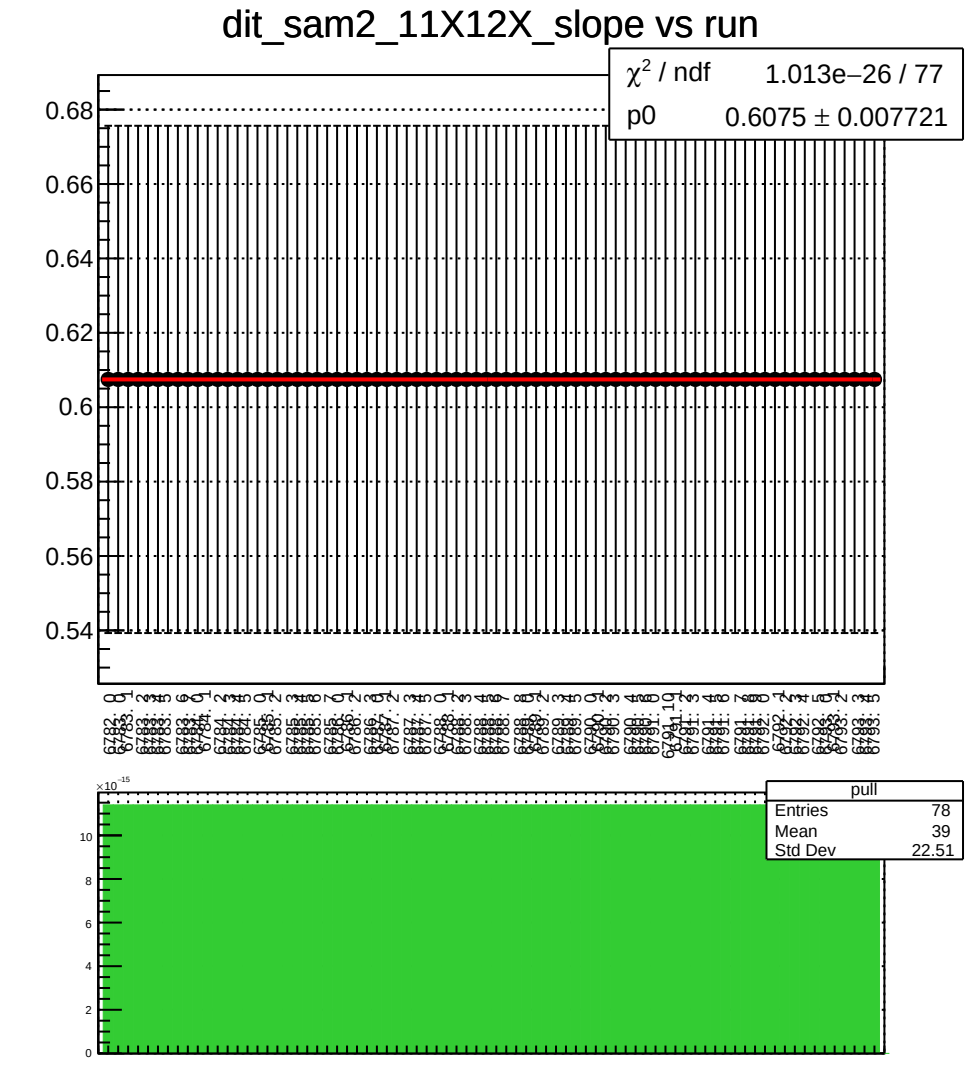

pull1D
Entries 78
Mean −3.616e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

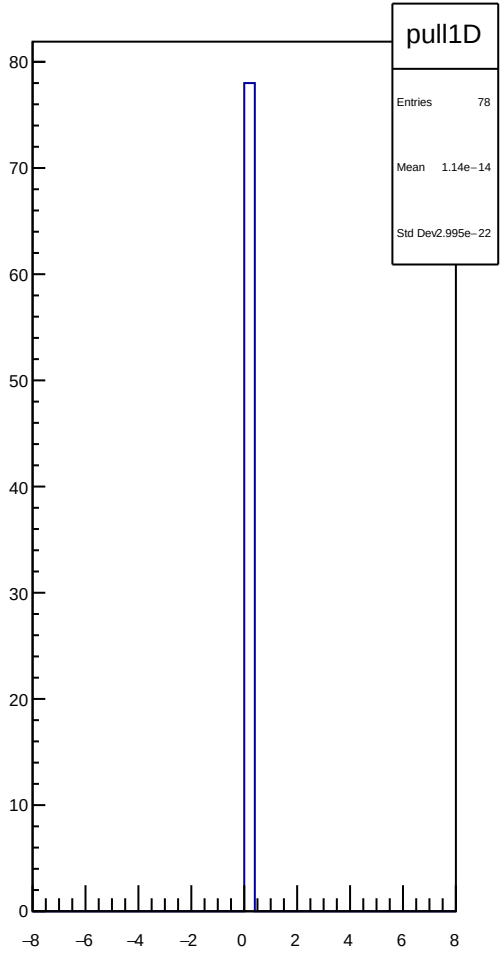

dit_sam2_4aX_slope vs run
χ² / ndf 1.031e−27 / 77
p0 44.06 ± 0.6638
pull
Entries 78
Mean 39
Std Dev 22.51

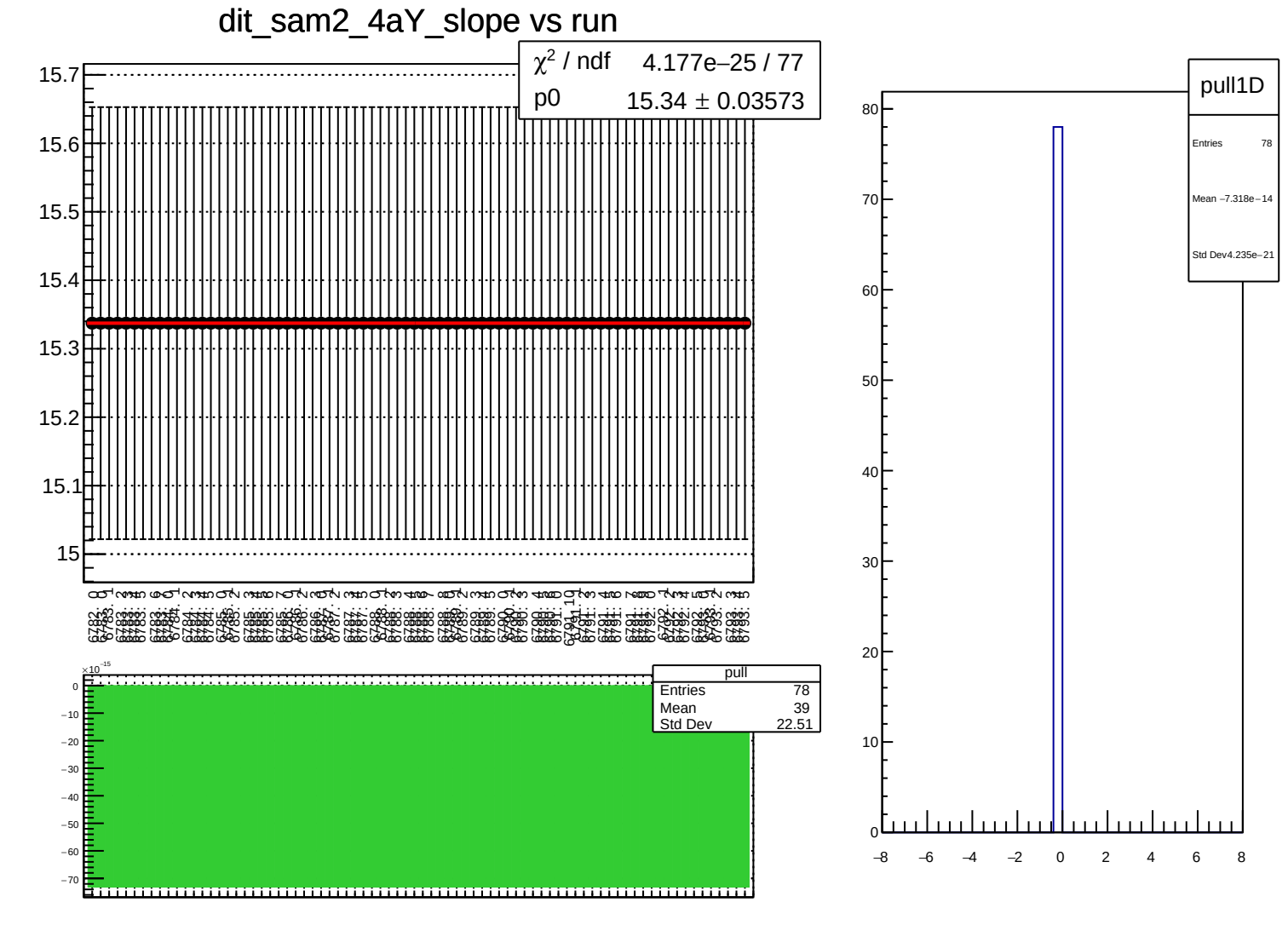

pull1D
Entries 78
Mean 3.636e−15
Std Dev 0

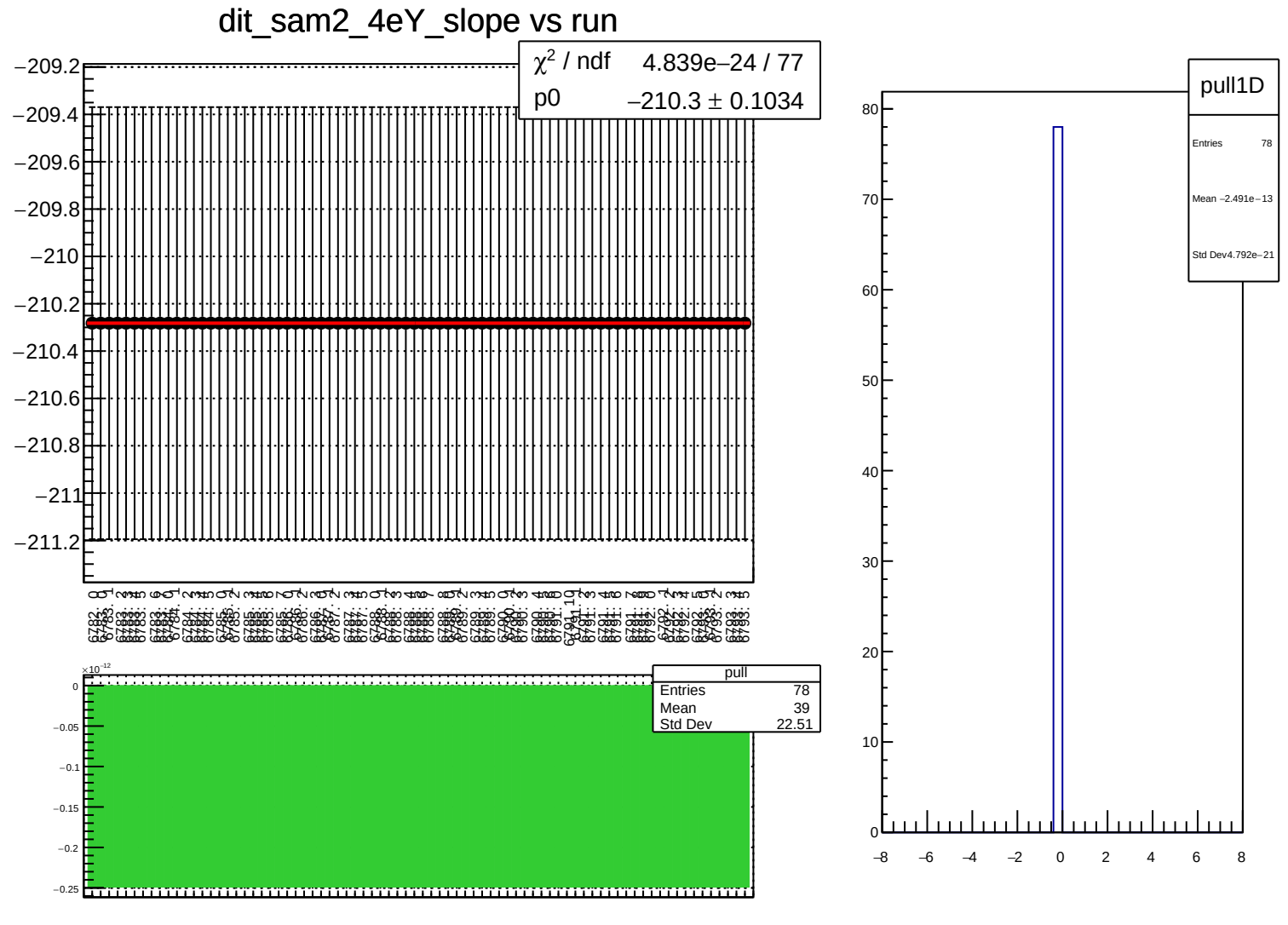

dit_sam2_4eX_slope vs run
χ² / ndf 1.729e−24 / 77
p0 −237.5 ± 0.5188
−232
−234
−236
−238
−240
−242
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

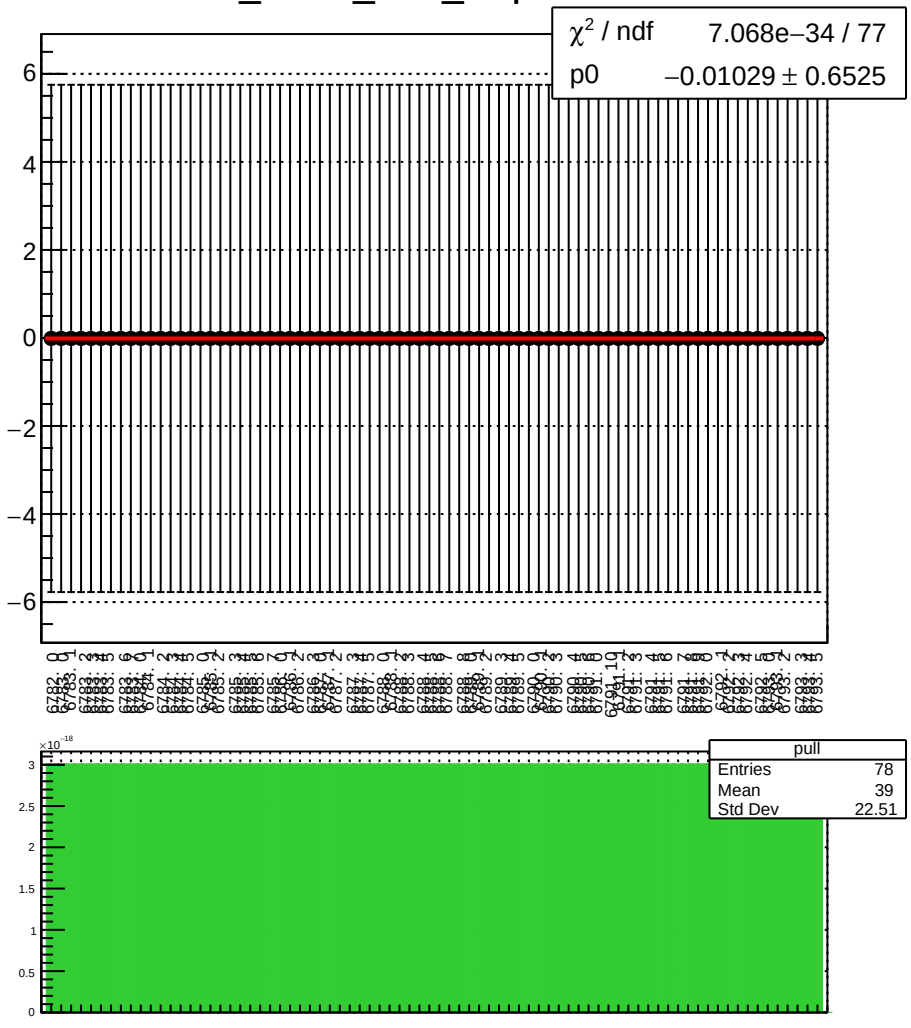

pull1D
Entries 78
Mean 1.489e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

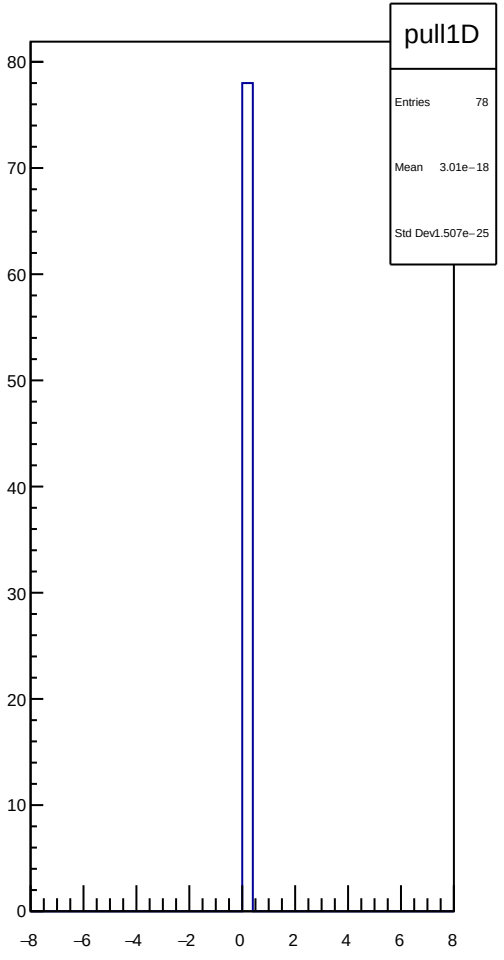

dit_sam2_11X12X_slope vs run
χ² / ndf 1.013e−26 / 77
p0 0.6075 ± 0.007721
0.68
0.66
0.64
0.62
0.6
0.58
0.56
0.54
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
10
8
6
4
2
0

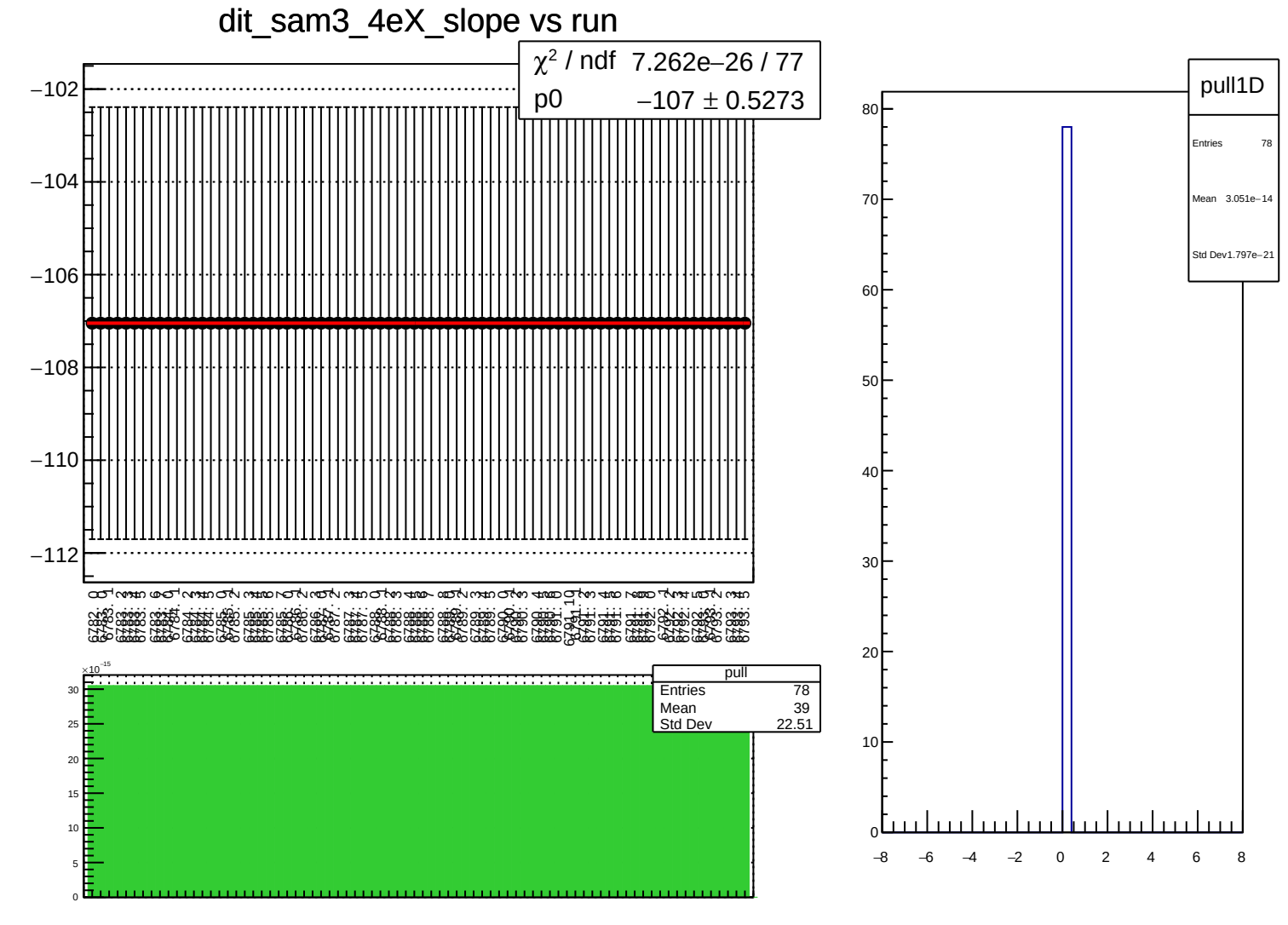

pull1D
Entries 78
Mean 1.14e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

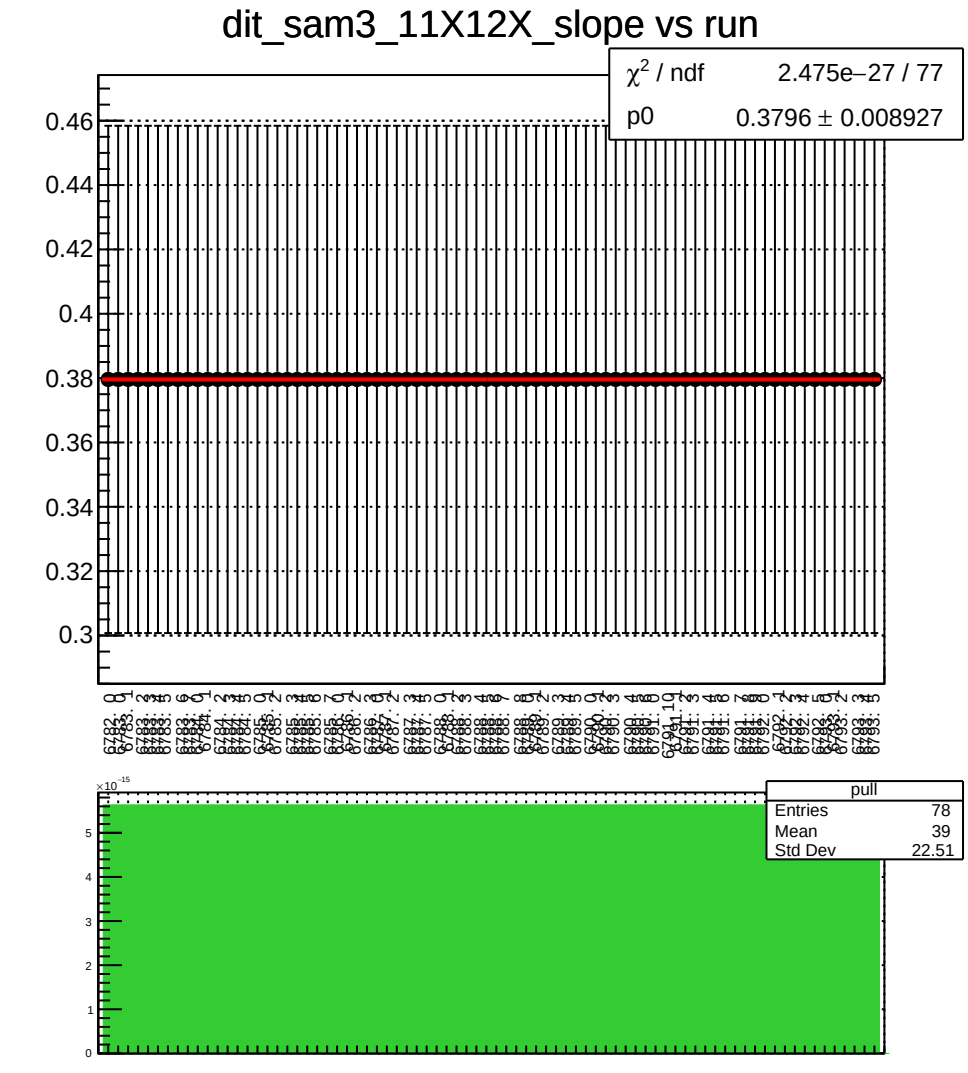

dit_sam2_4aY_slope vs run
χ² / ndf 4.177e−25 / 77
p0 15.34 ± 0.03573
15.7
15.6
15.5
15.4
15.3
15.2
15.1
15
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 78
Mean −7.318e−14
Std Dev4.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

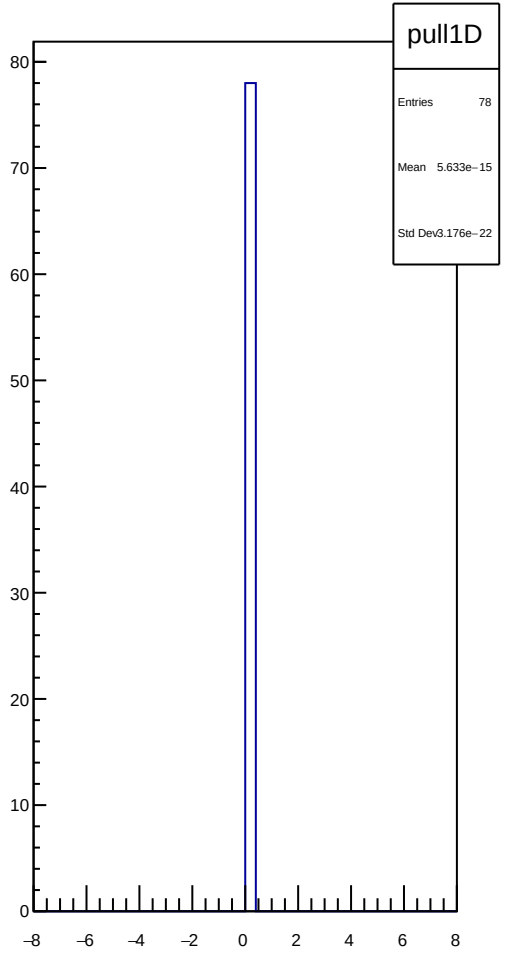

dit_sam2_4eY_slope vs run
χ² / ndf 4.839e−24 / 77
p0 −210.3 ± 0.1034
−209.2
−209.4
−209.6
−209.8
−210
−210.2
−210.4
−210.6
−210.8
−211
−211.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 78
Mean −2.491e−13
Std Dev 4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

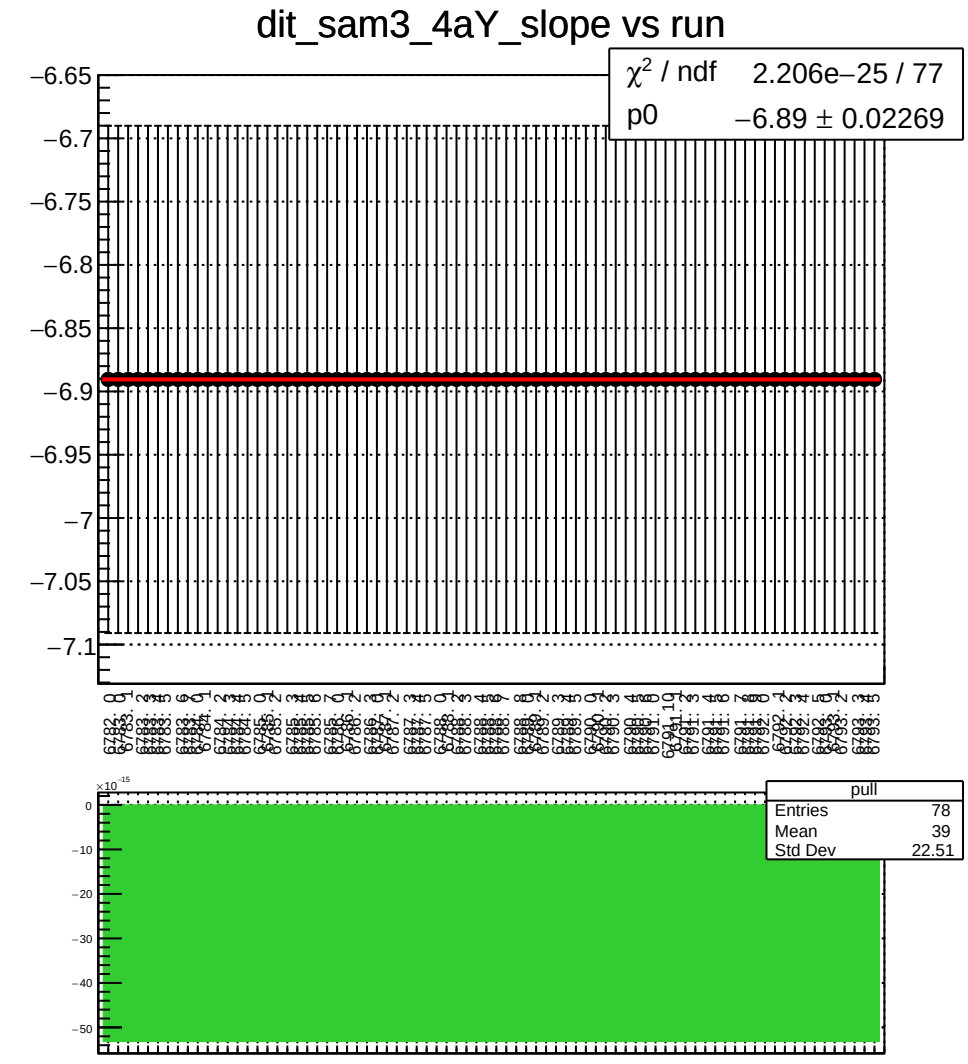

dit_sam3_4aX_slope vs run
χ² / ndf 7.068e−34 / 77
p0 −0.01029 ± 0.6525
pull
Entries 78
Mean 39
Std Dev 22.51

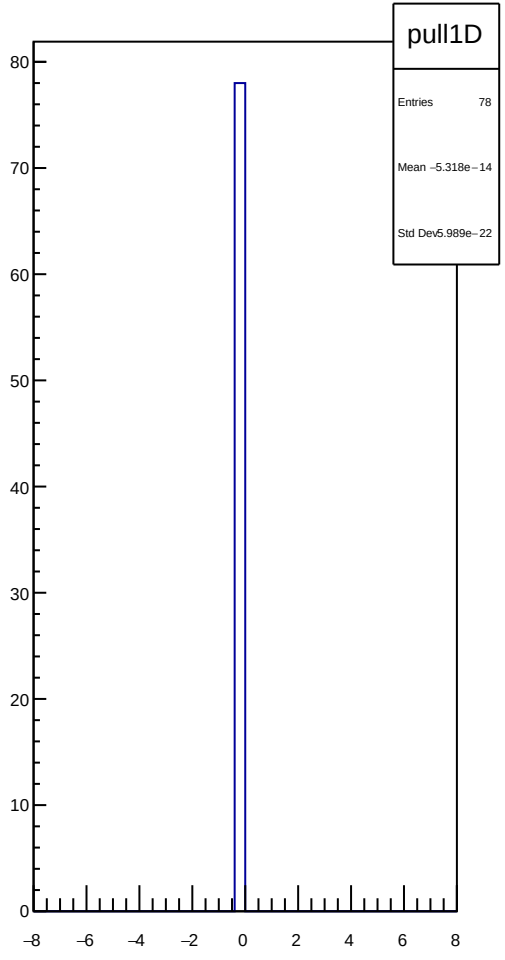

pull1D
Entries 78
Mean 3.01e−18
Std Dev1.507e−25

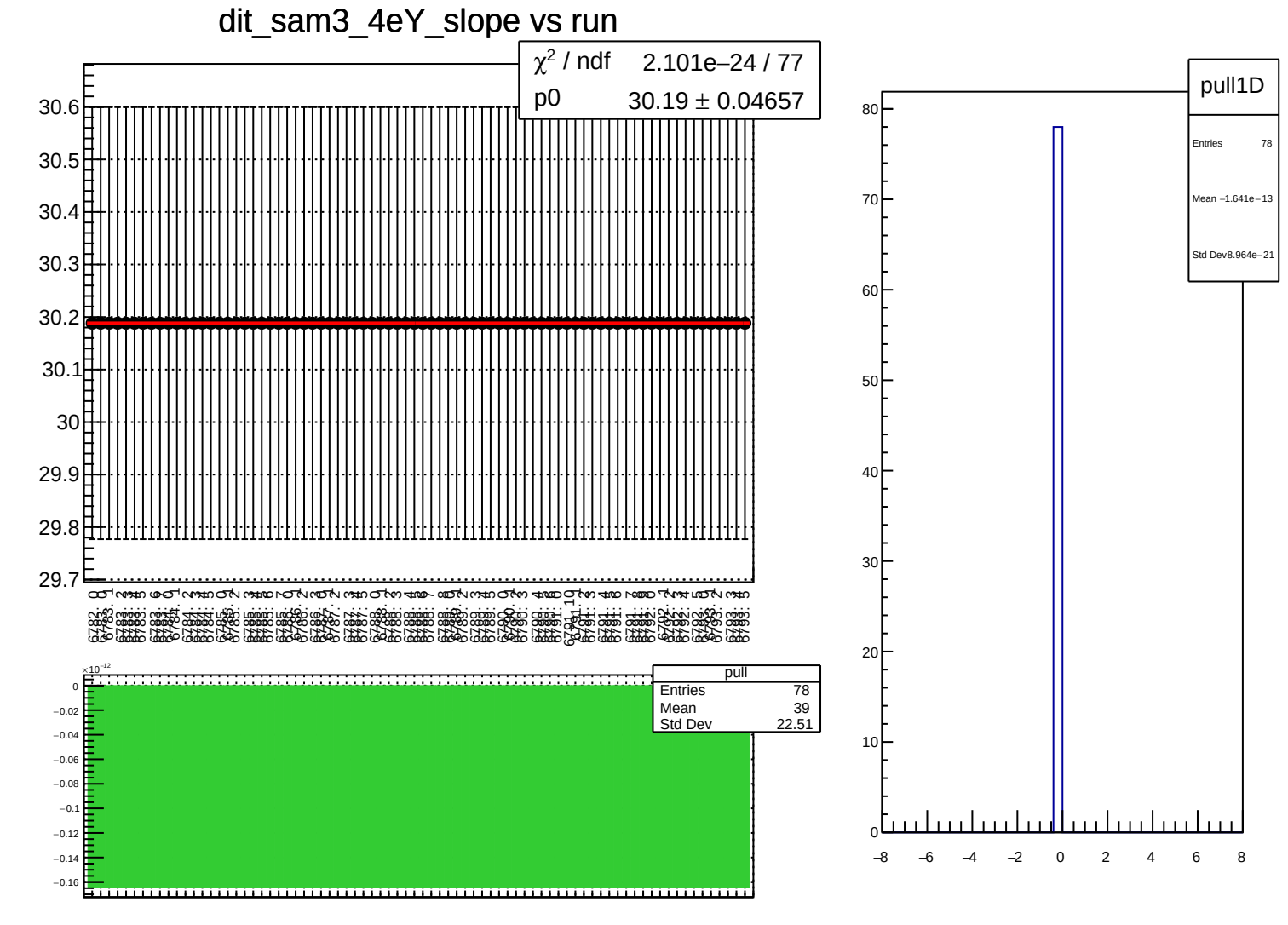

dit_sam3_4eX_slope vs run
χ² / ndf 7.262e−26 / 77
p0 −107 ± 0.5273
−102
−104
−106
−108
−110
−112
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 3.051e−14
Std Dev1.797e−21

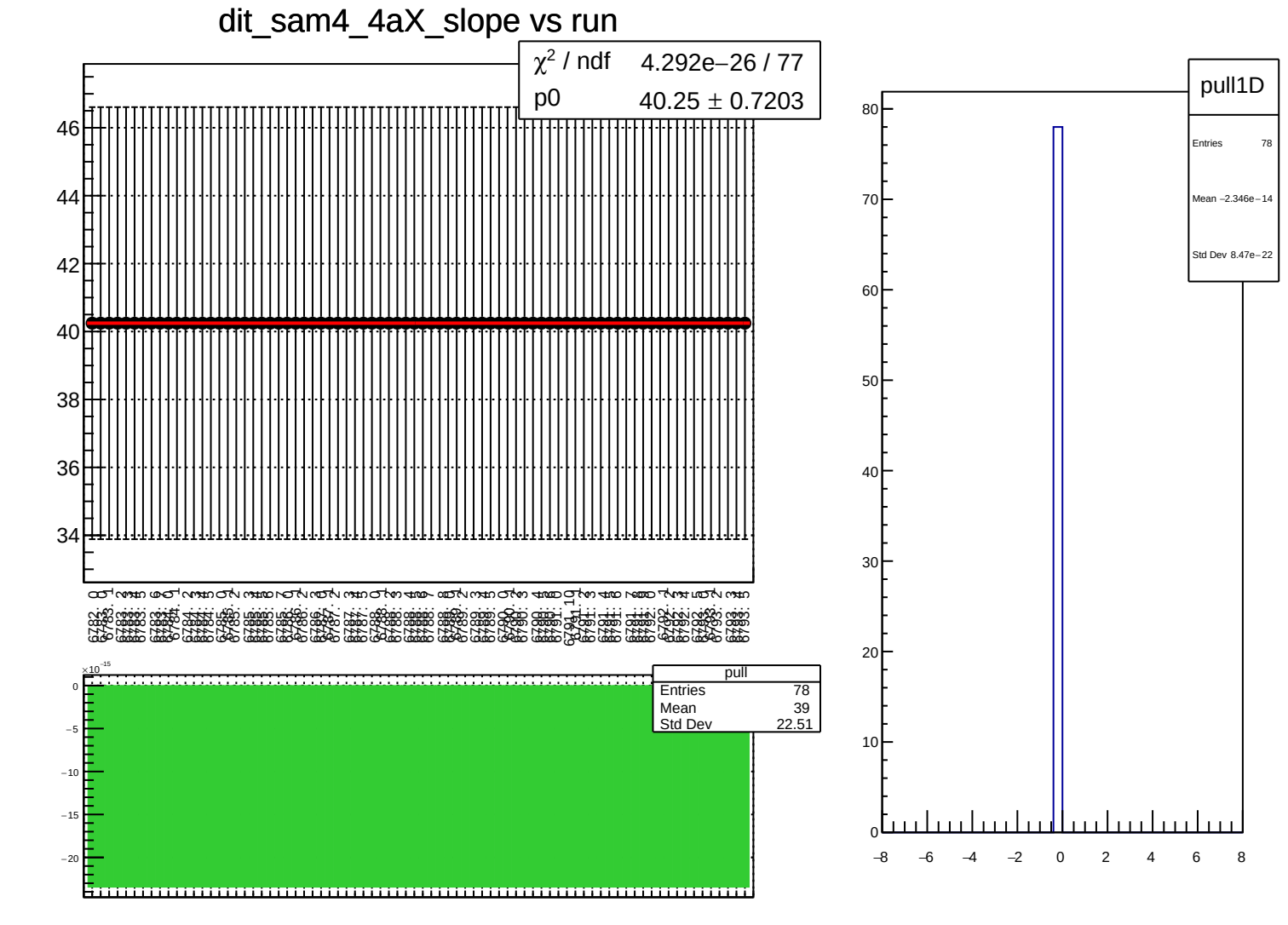

dit_sam3_11X12X_slope vs run
χ² / ndf 2.475e−27 / 77
p0 0.3796 ± 0.008927
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
5
4
3
2
1
0

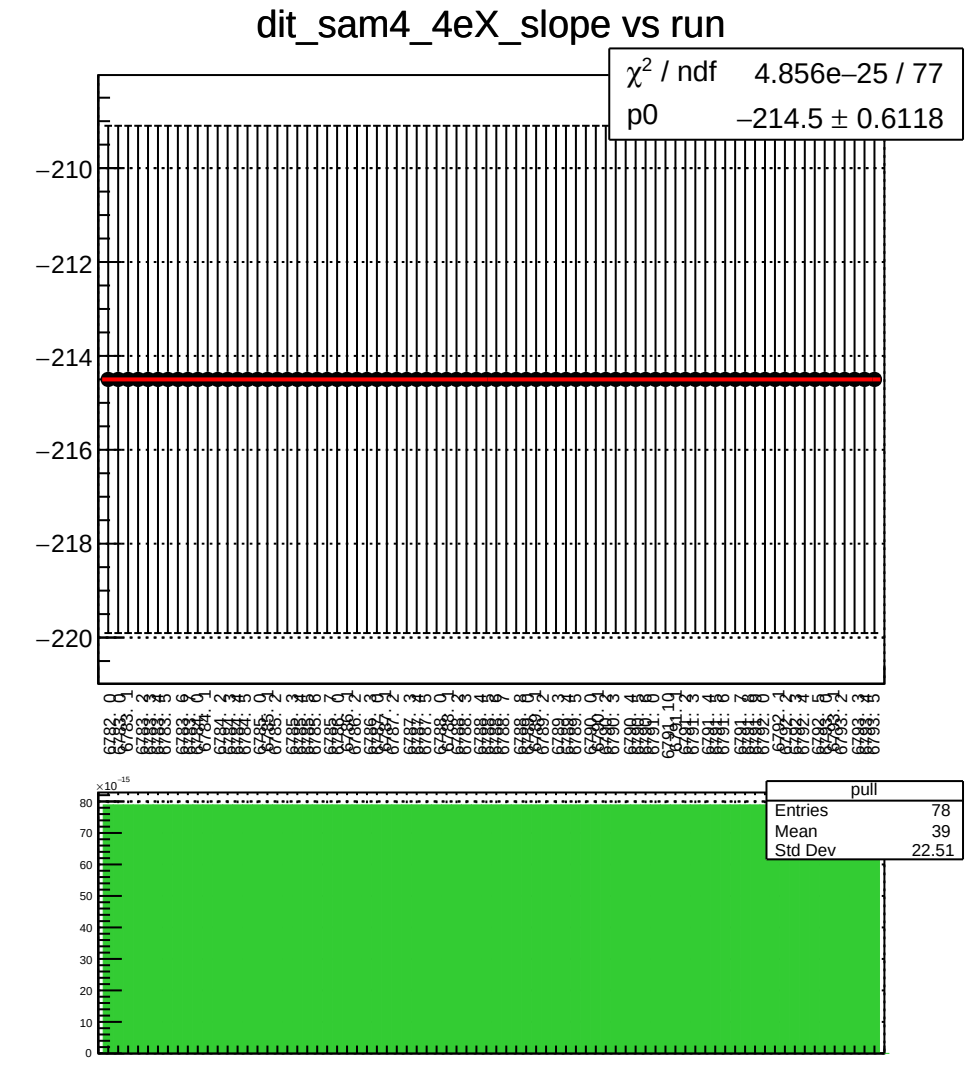

pull1D
Entries 78
Mean 5.633e−15
Std Dev 3.176e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

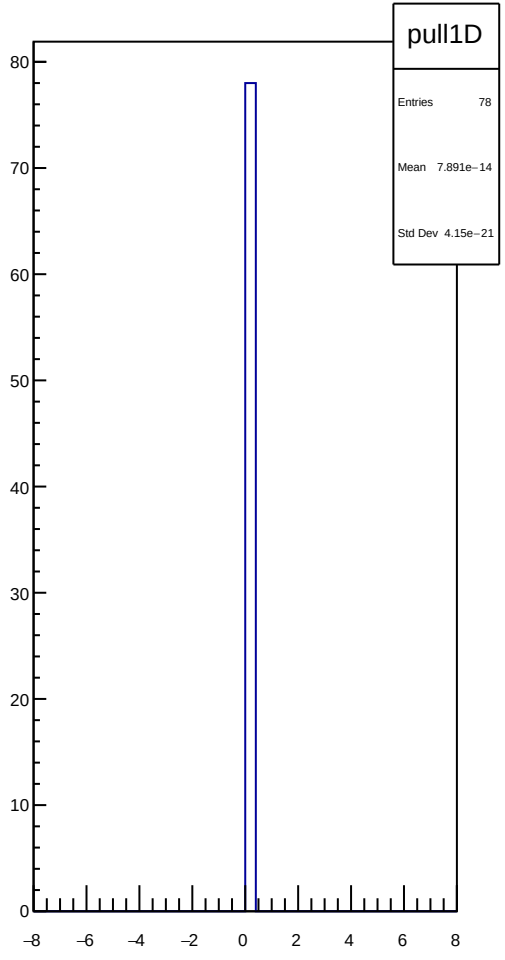

dit_sam3_4aY_slope vs run
χ² / ndf 2.206e−25 / 77
p0 −6.89 ± 0.02269
−6.65
−6.7
−6.75
−6.8
−6.85
−6.9
−6.95
−7
−7.05
−7.1
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50

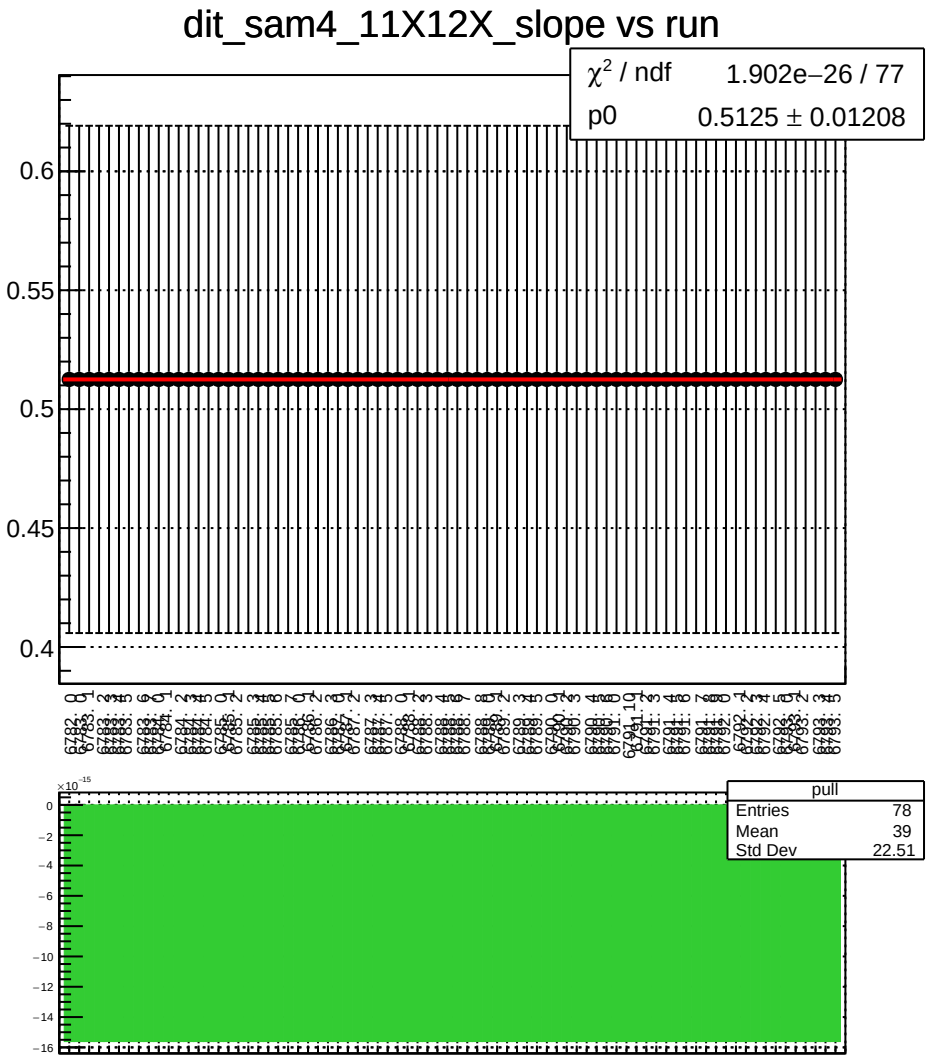

pull1D
Entries 78
Mean −5.318e−14
Std Dev5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

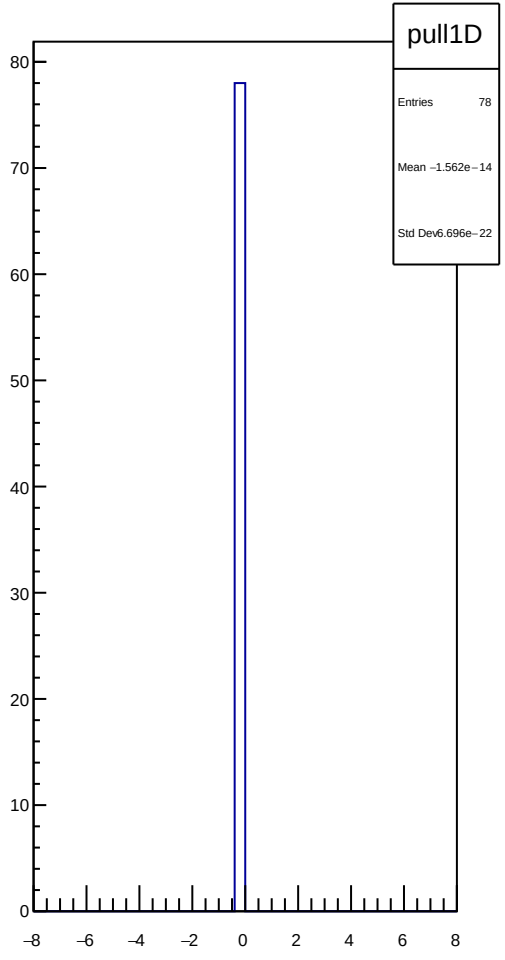

dit_sam3_4eY_slope vs run
χ^2 / ndf 2.101e−24 / 77
p0 30.19 ± 0.04657
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −1.641e−13
Std Dev8.964e−21

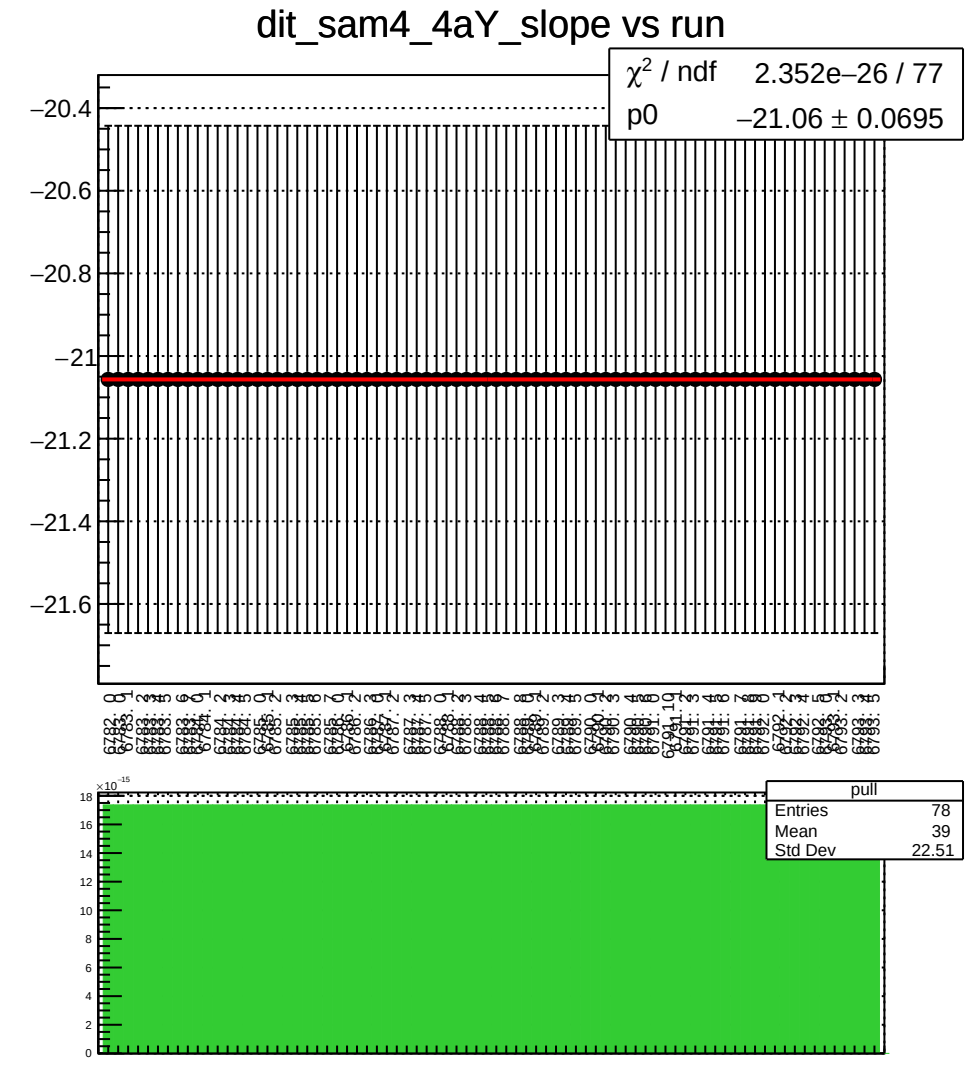

dit_sam4_4aX_slope vs run
χ² / ndf 4.292e−26 / 77
p0 40.25 ± 0.7203
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean −2.346e−14
Std Dev 8.47e−22

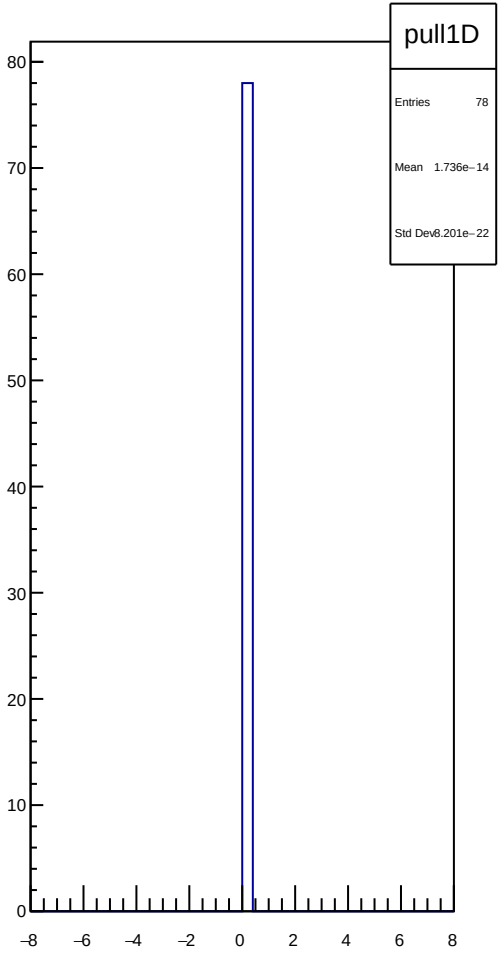

dit_sam4_4eX_slope vs run
χ² / ndf 4.856e−25 / 77
p0 −214.5 ± 0.6118
−210
−212
−214
−216
−218
−220
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

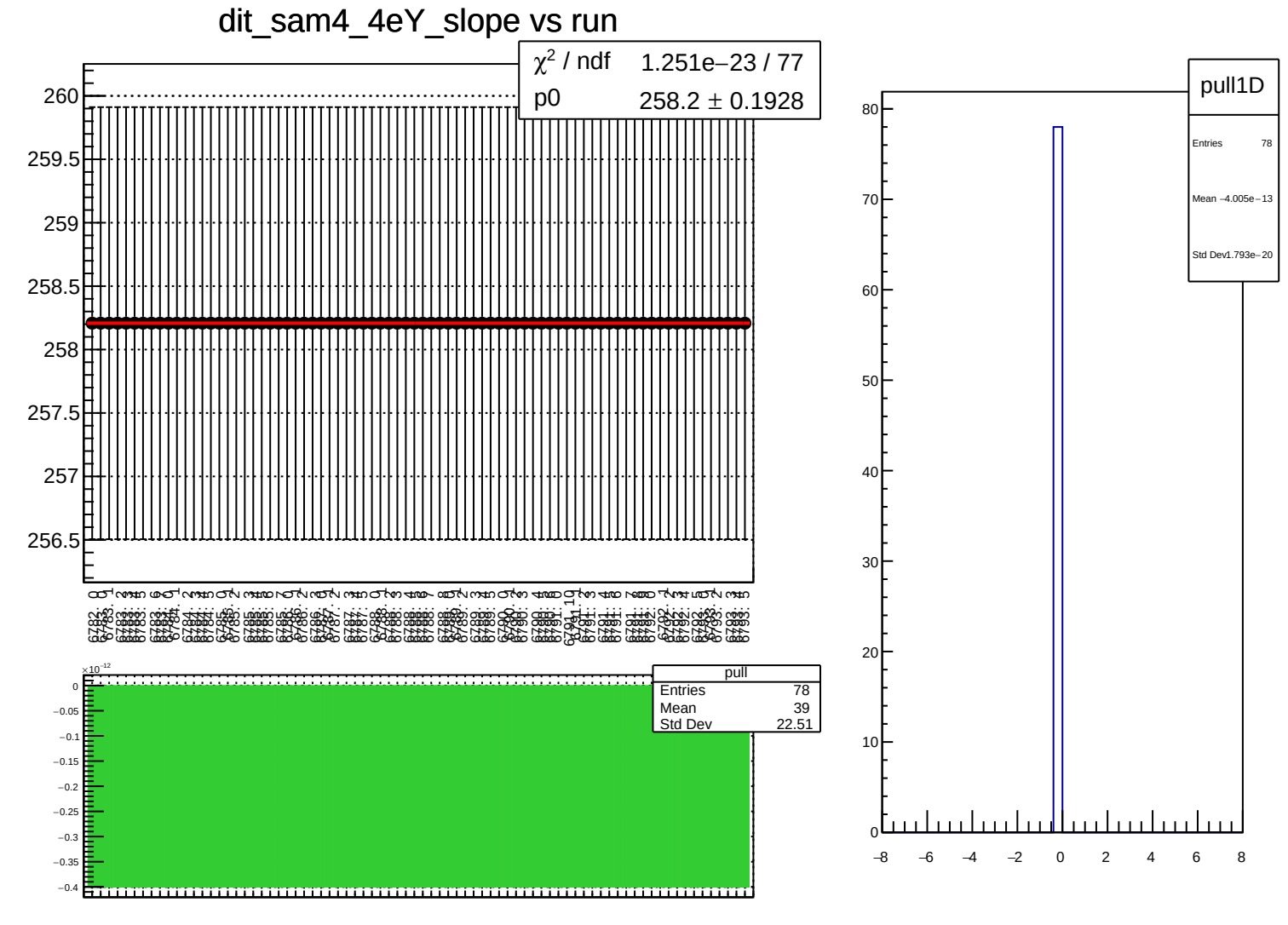

pull1D
Entries 78
Mean 7.891e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

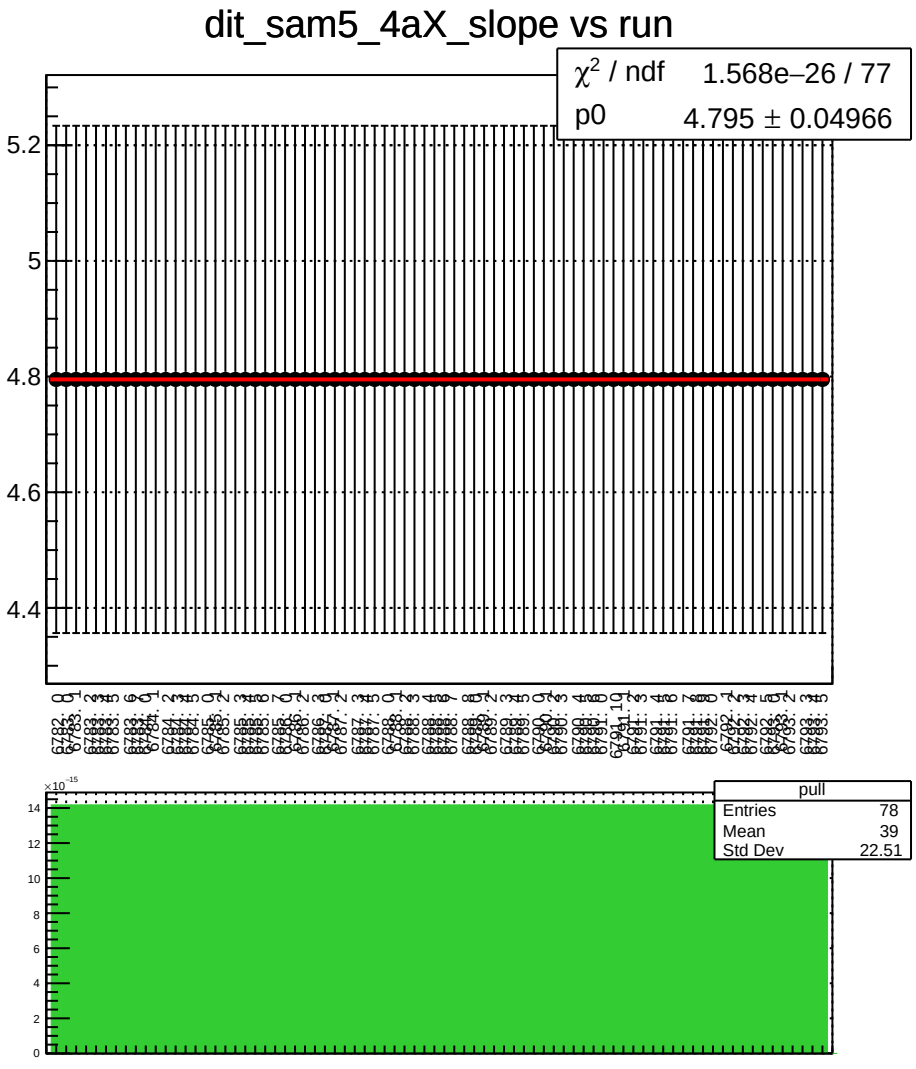

dit_sam4_11X12X_slope vs run
χ² / ndf 1.902e−26 / 77
p0 0.5125 ± 0.01208
0.6
0.55
0.5
0.45
0.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

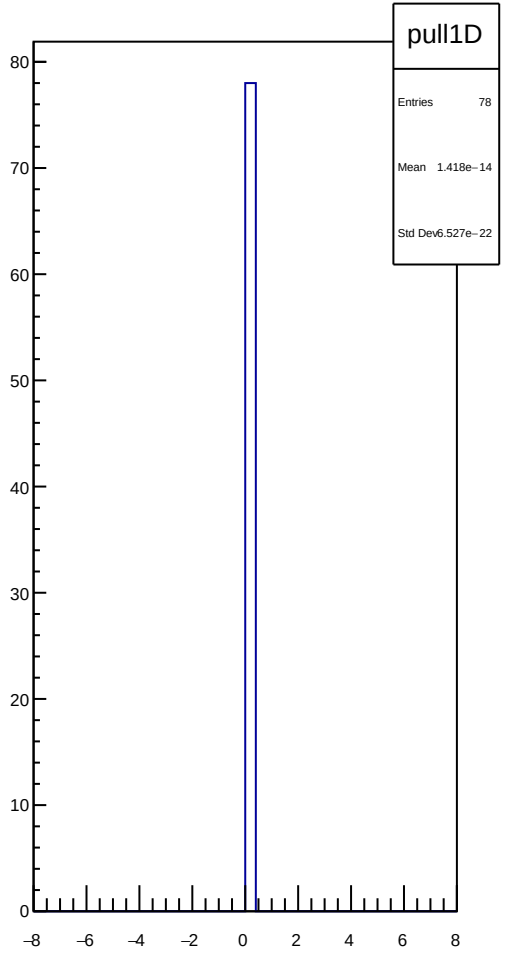

pull1D
Entries 78
Mean −1.562e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

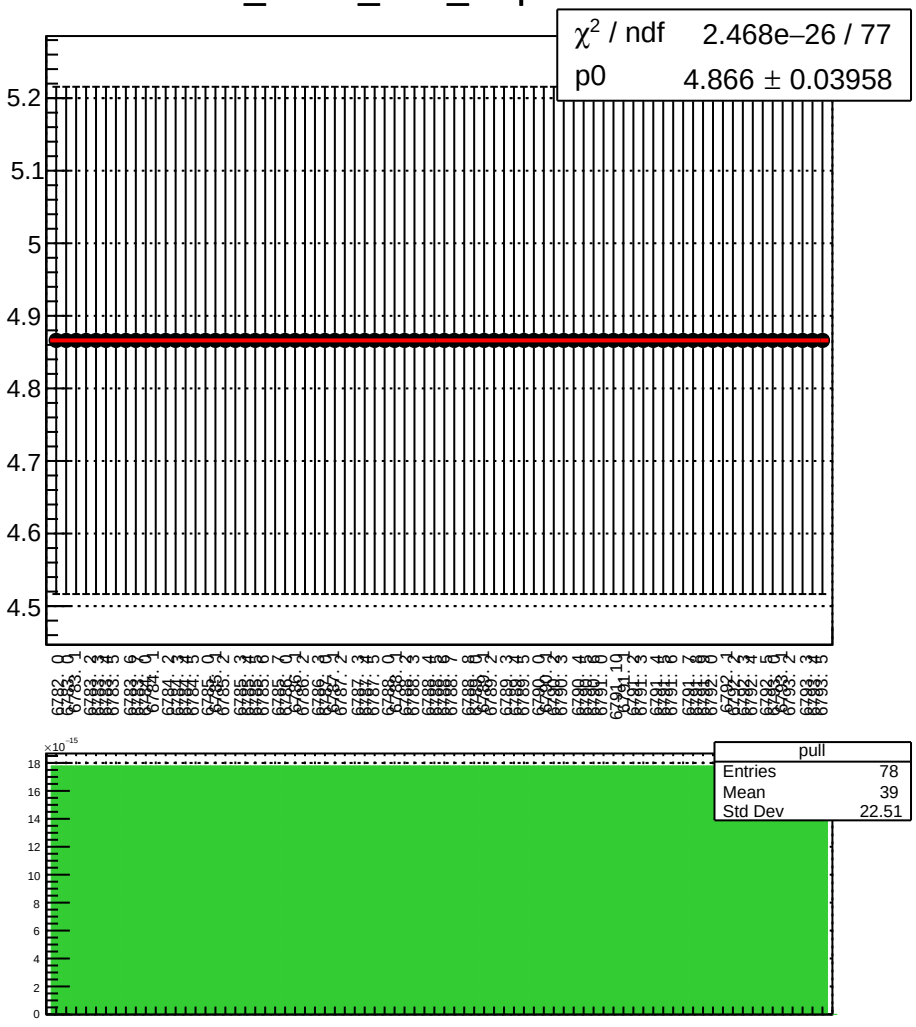

dit_sam4_4aY_slope vs run
χ² / ndf 2.352e−26 / 77
p0 −21.06 ± 0.0695
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

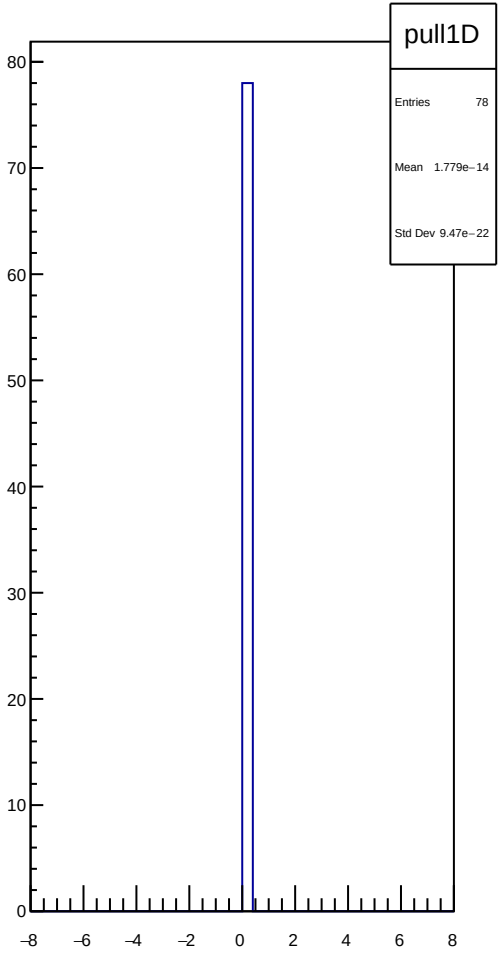

pull1D
Entries 78
Mean 1.736e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

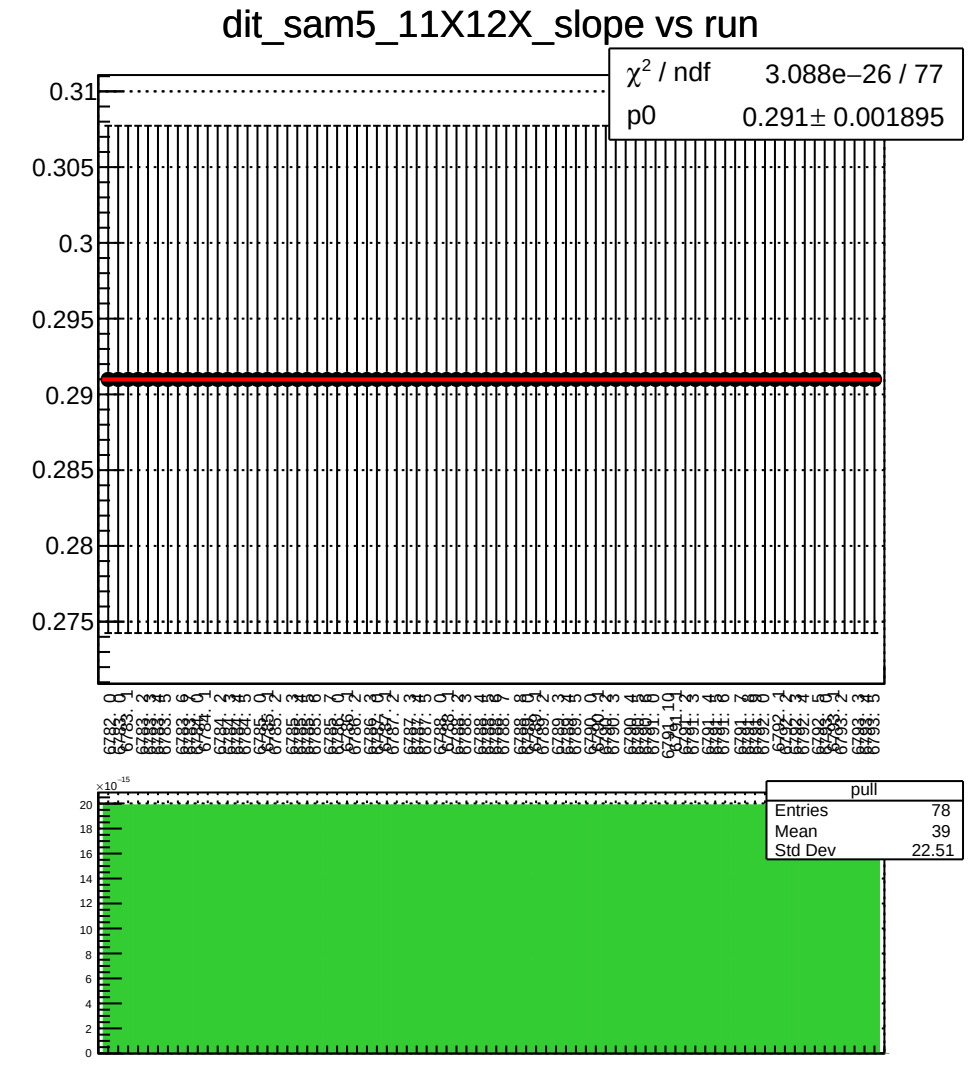

dit_sam4_4eY_slope vs run
χ² / ndf 1.251e−23 / 77
p0 258.2 ± 0.1928
260
259.5
259
258.5
258
257.5
257
256.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 78
Mean −4.005e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

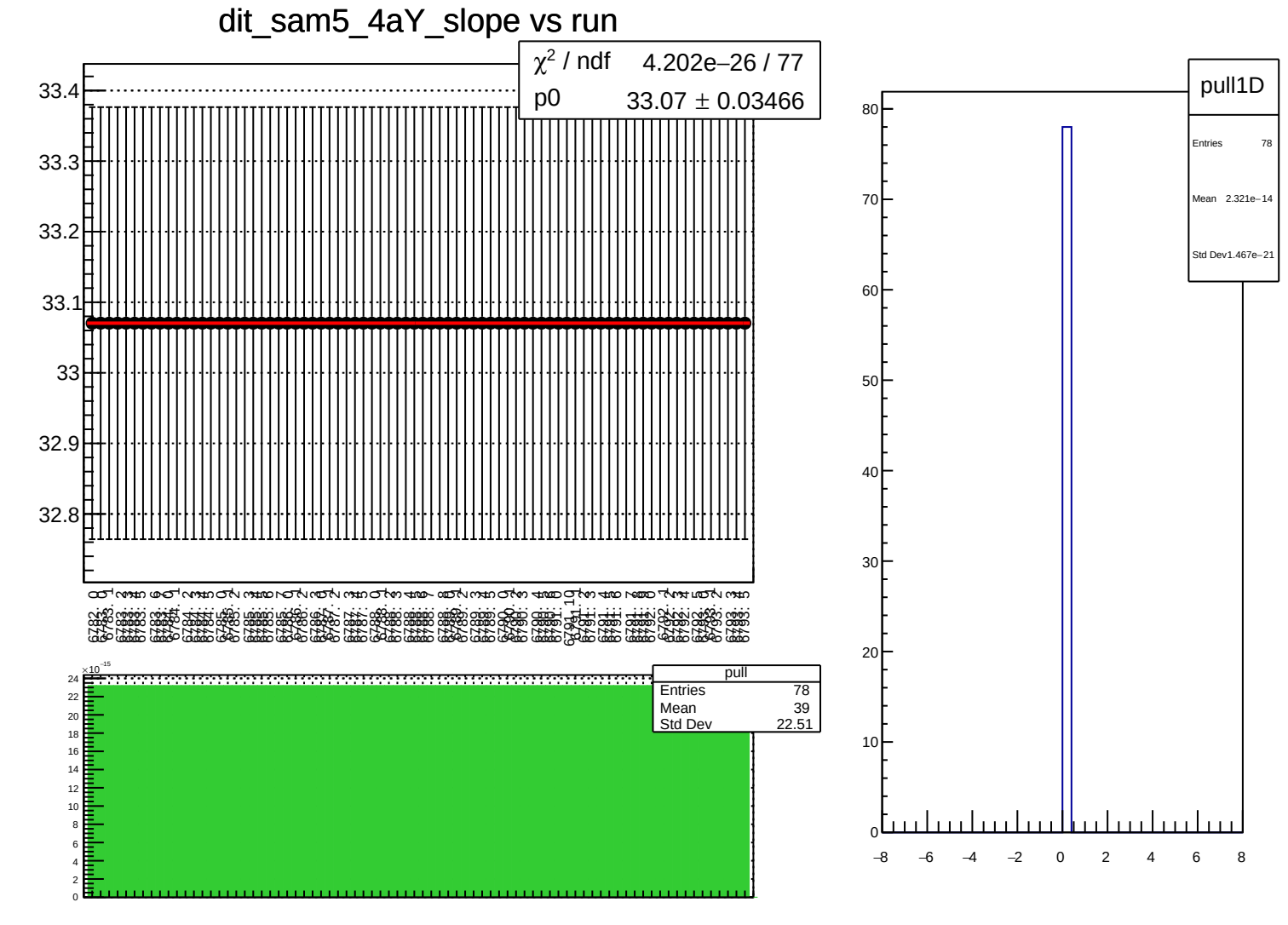

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.568e−26 / 77
p0 4.795 ± 0.04966
5.2
5
4.8
4.6
4.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10^-15
14
12
10
8
6
4
2
0

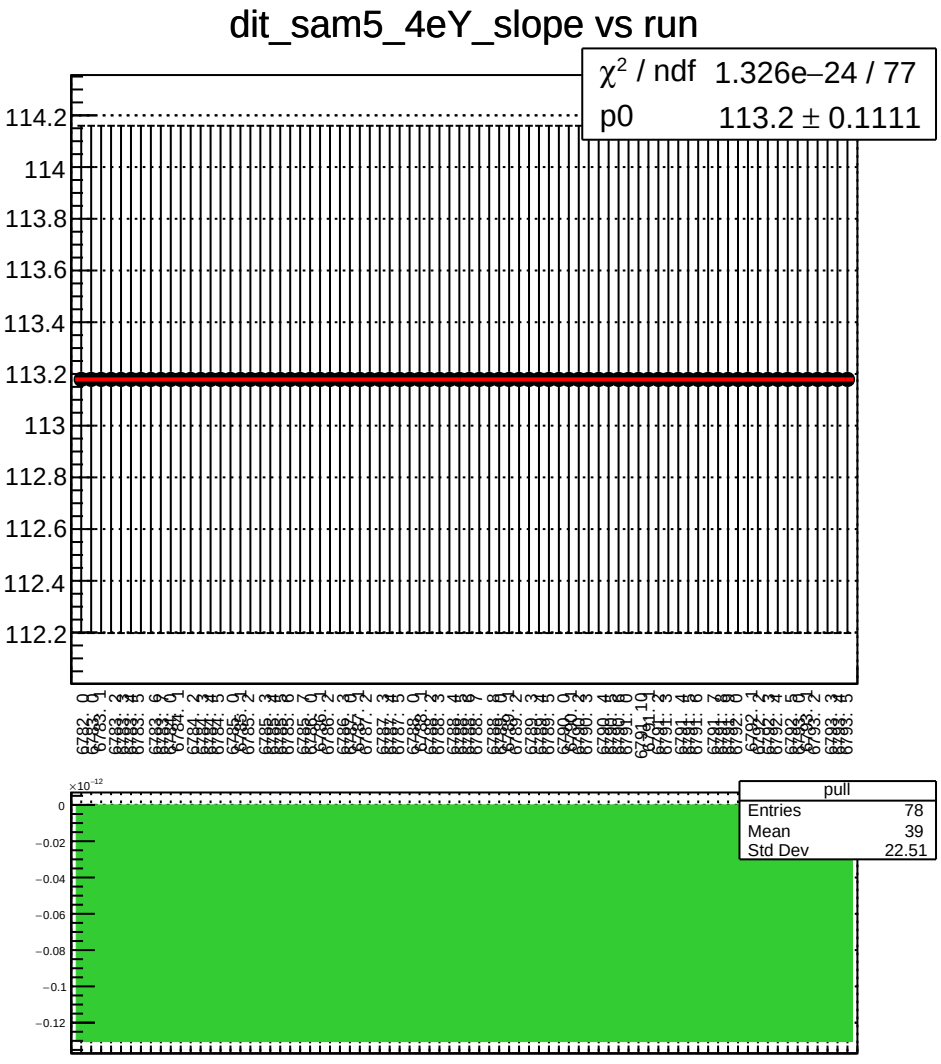

pull1D
Entries 78
Mean 1.418e−14
Std Dev 6.527e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

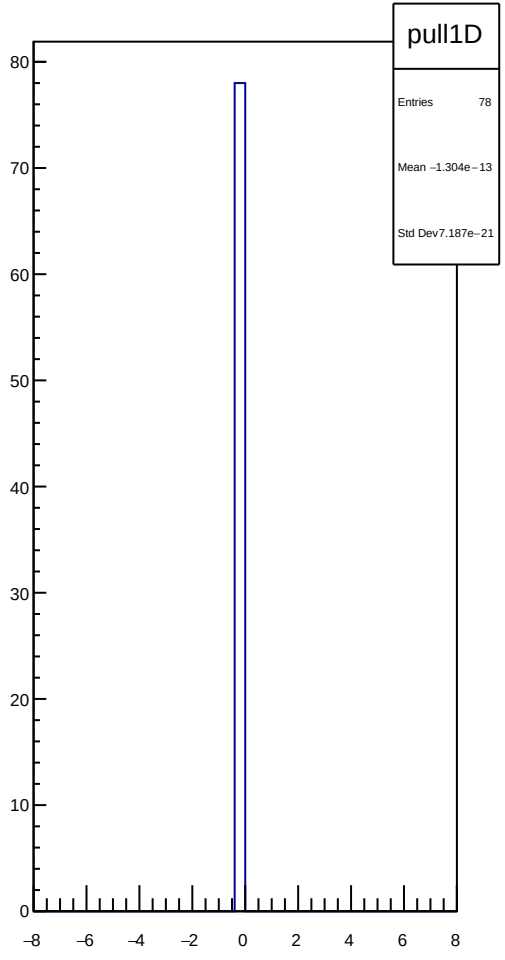

dit_sam5_4eX_slope vs run
χ^2 / ndf 2.468e−26 / 77
p0 4.866 ± 0.03958
pull
Entries 78
Mean 39
Std Dev 22.51

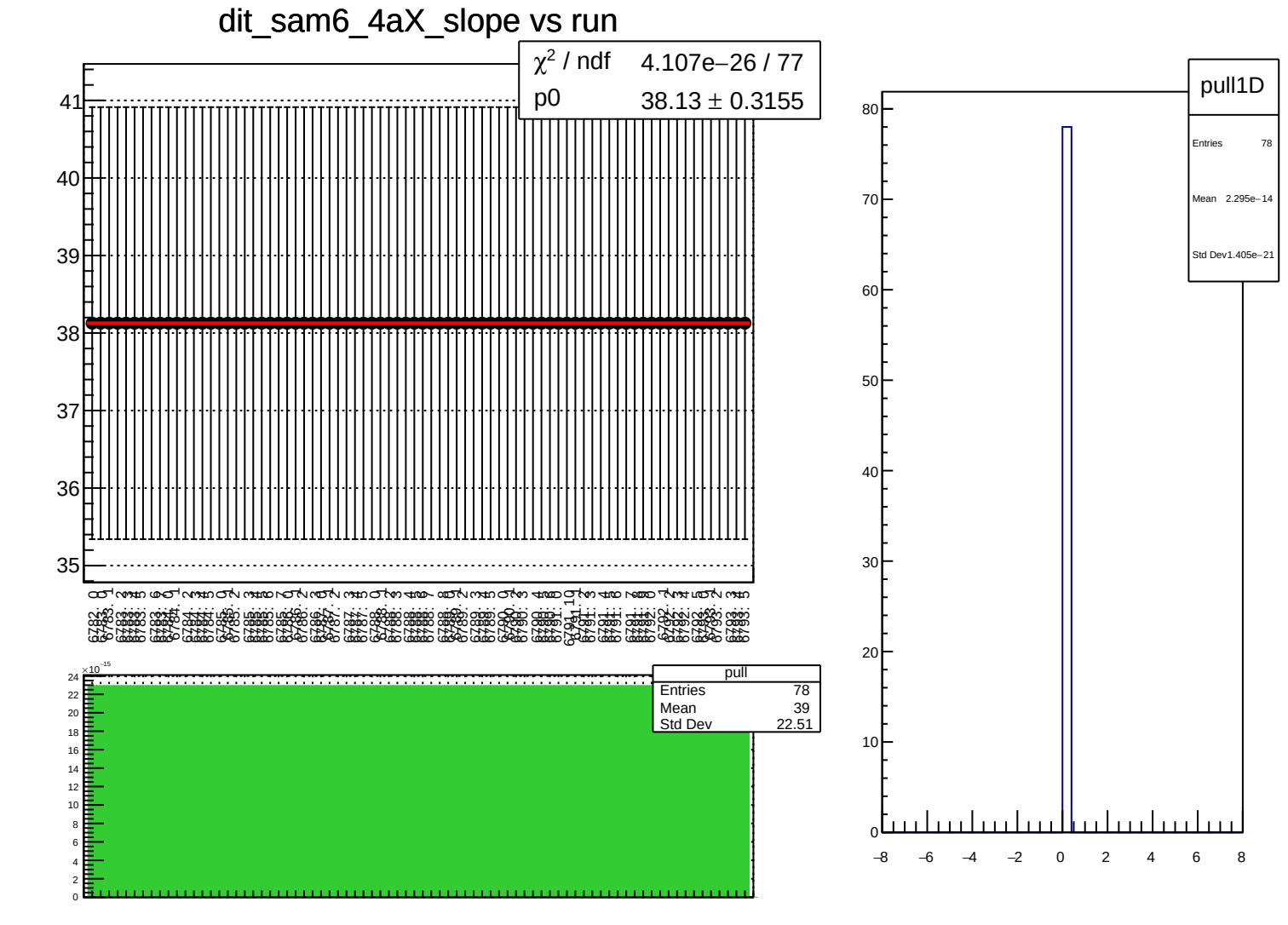

pull1D
Entries 78
Mean 1.779e−14
Std Dev 9.47e−22

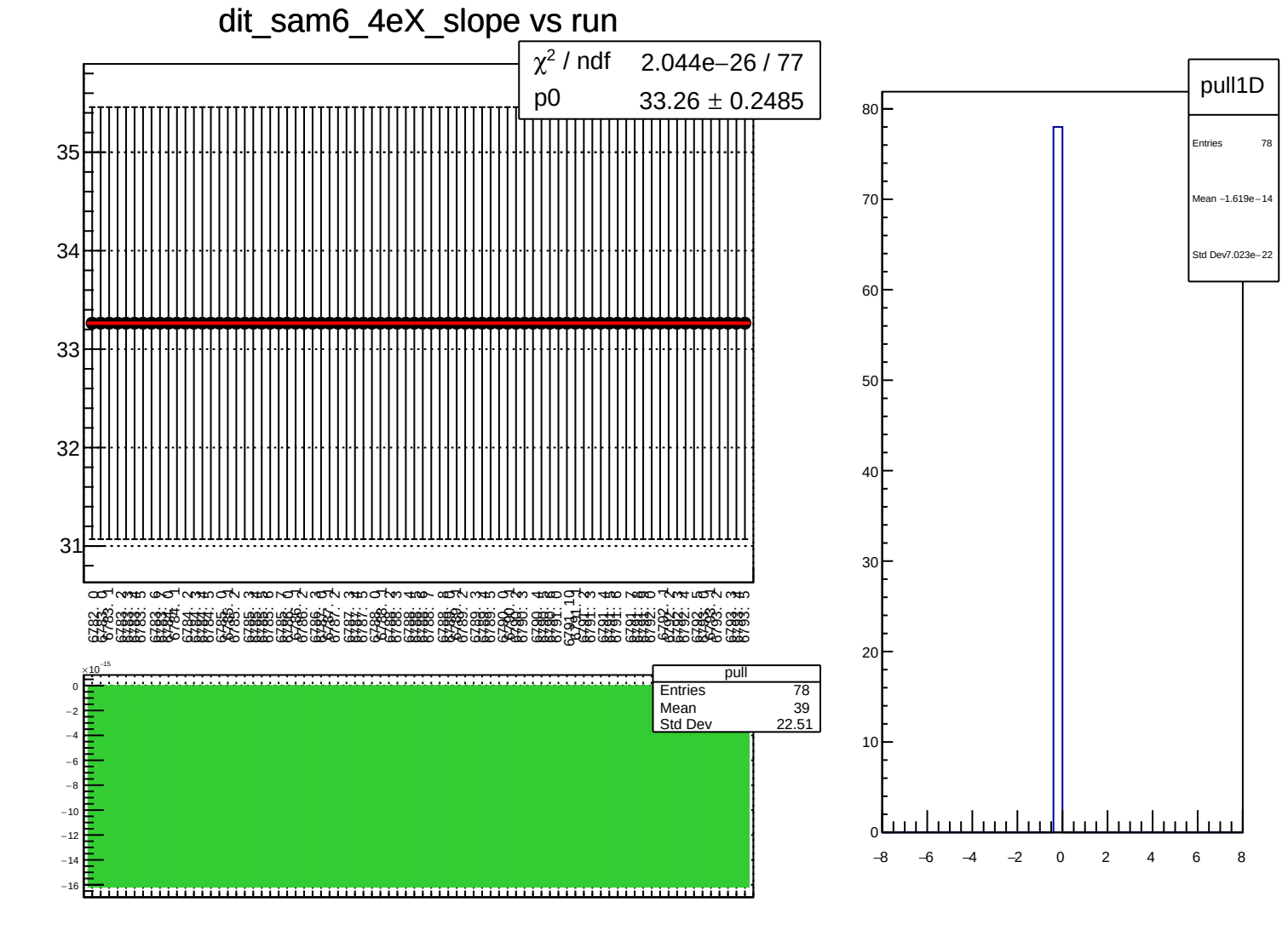

dit_sam5_11X12X_slope vs run
χ² / ndf 3.088e−26 / 77
p0 0.291± 0.001895
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 1.99e−14
Std Dev1.216e−21

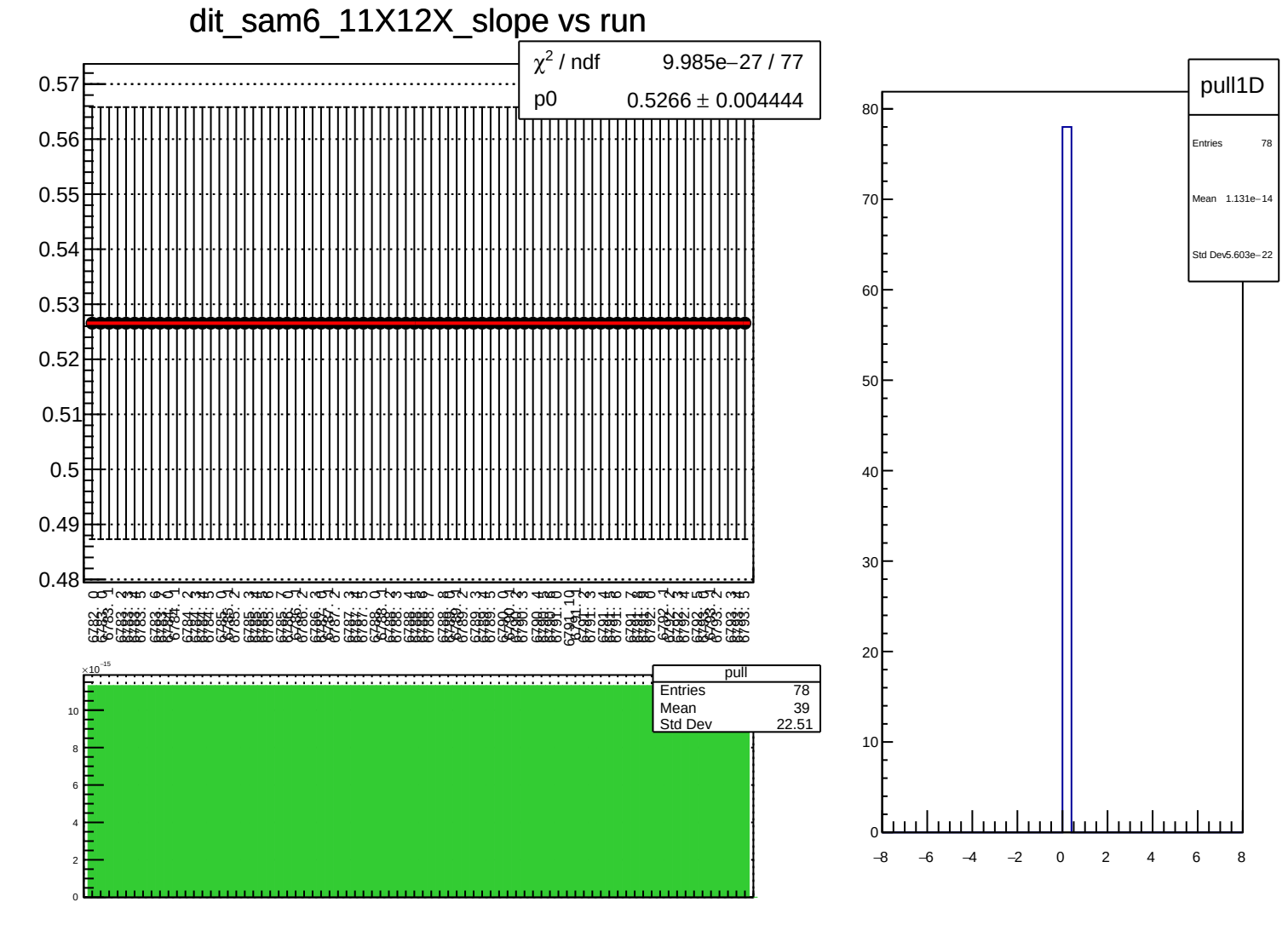

dit_sam5_4aY_slope vs run
χ² / ndf 4.202e−26 / 77
p0 33.07 ± 0.03466
33.4
33.3
33.2
33.1
33
32.9
32.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
24
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 78
Mean 2.321e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

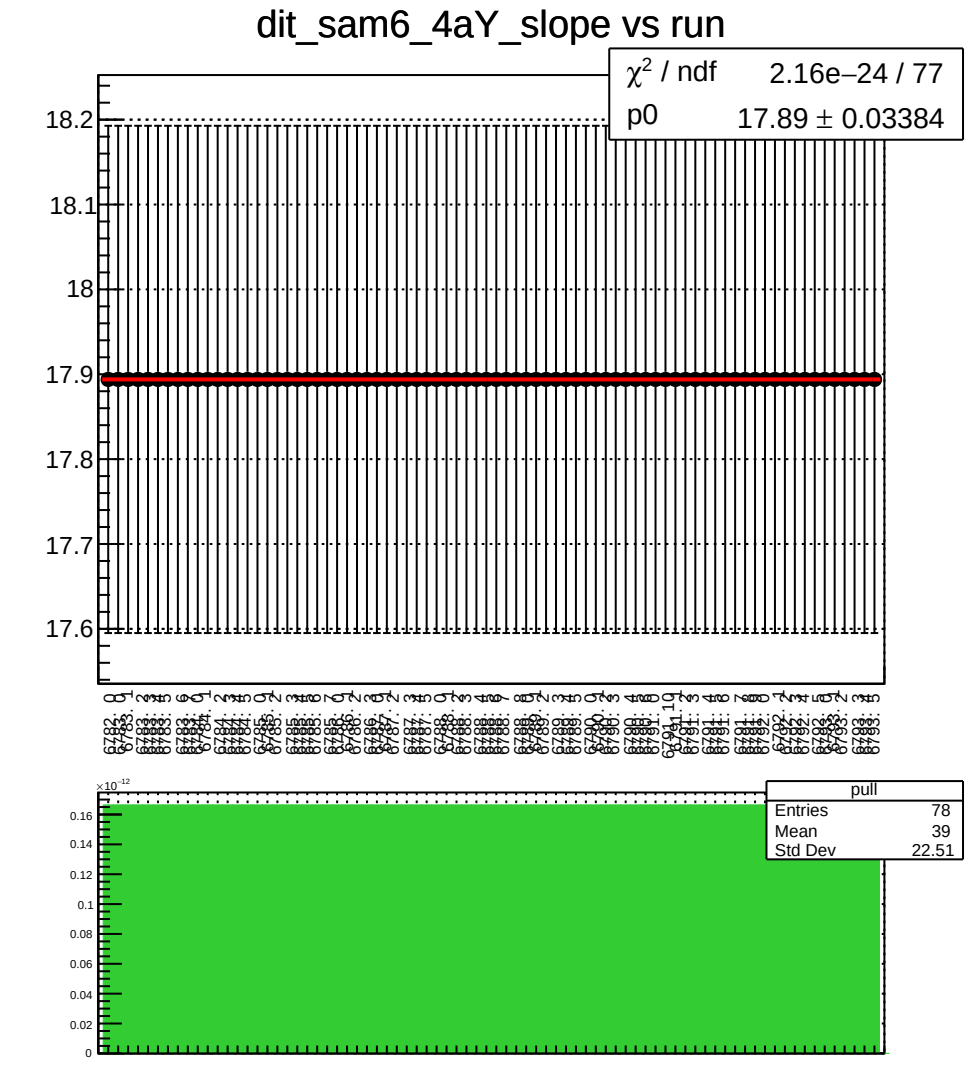

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.326e−24 / 77
p0 113.2 ± 0.1111
114.2
114
113.8
113.6
113.4
113.2
113
112.8
112.6
112.4
112.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

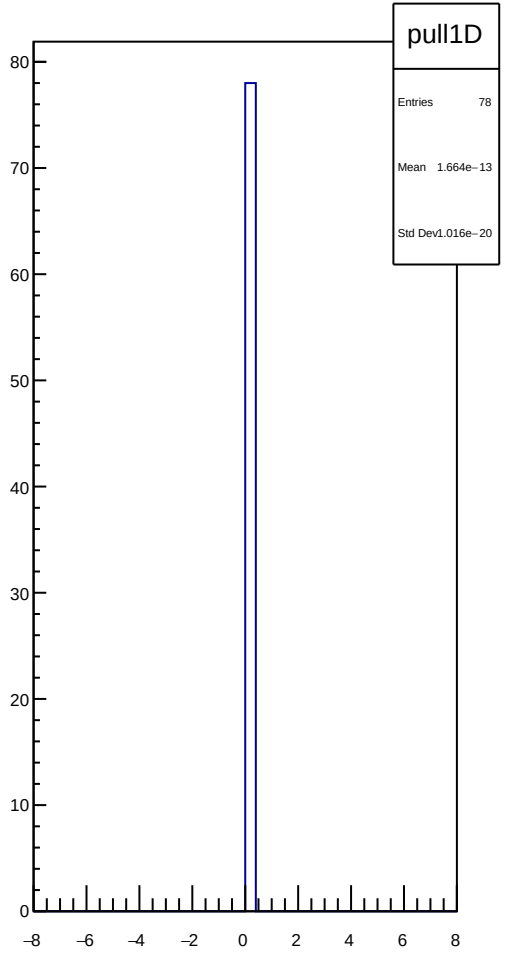

pull1D
Entries 78
Mean −1.304e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

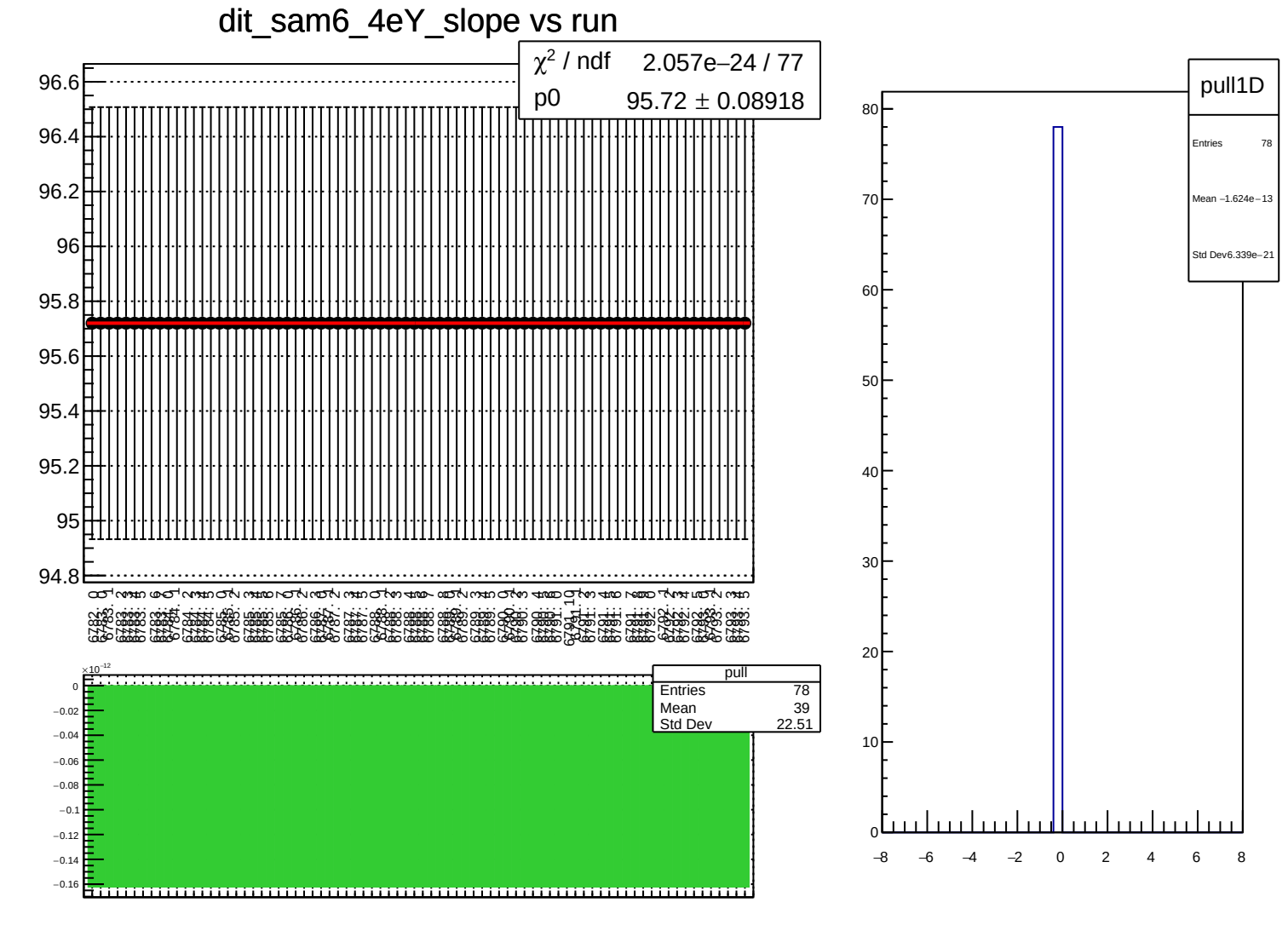

dit_sam6_4aX_slope vs run
χ² / ndf 4.107e−26 / 77
p0 38.13 ± 0.3155
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 2.295e−14
Std Dev1.405e−21

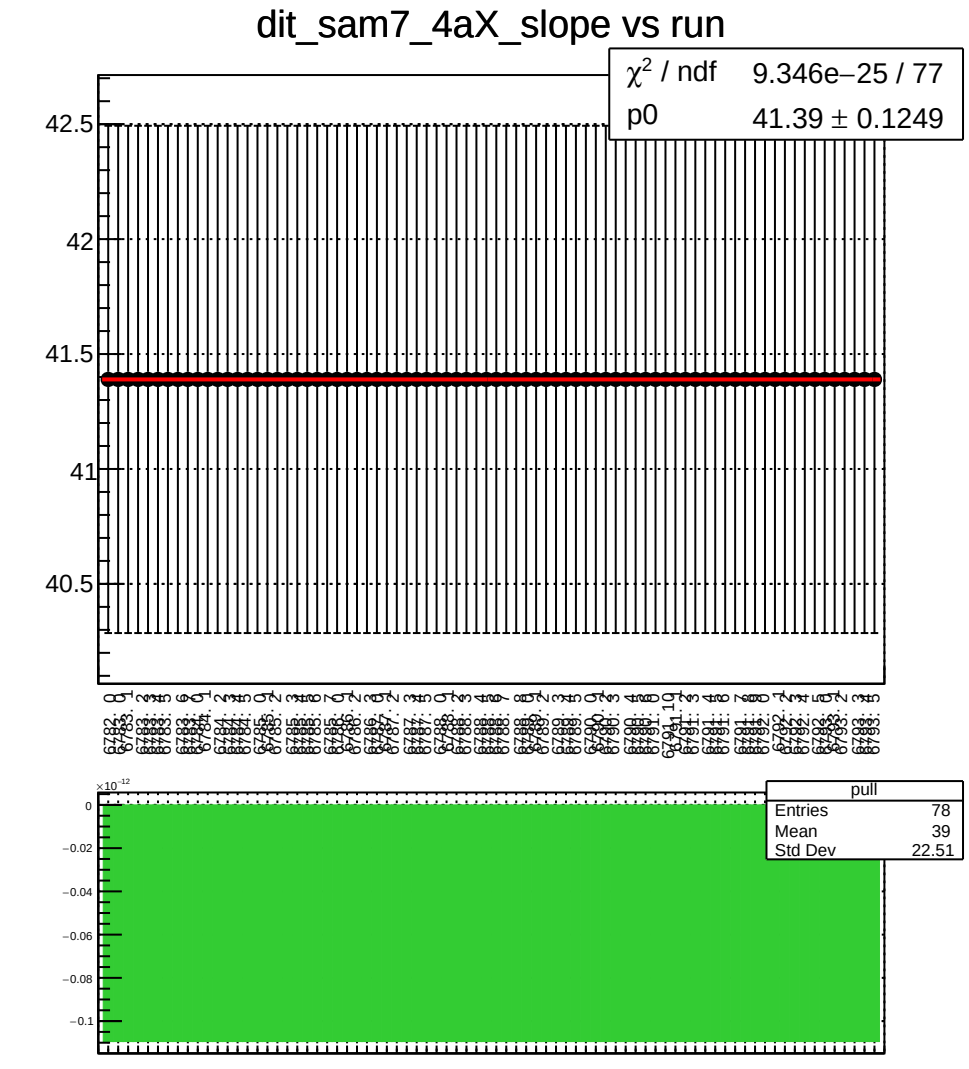

dit_sam6_4eX_slope vs run
χ² / ndf 2.044e−26 / 77
p0 33.26 ± 0.2485
35
34
33
32
31
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 78
Mean −1.619e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

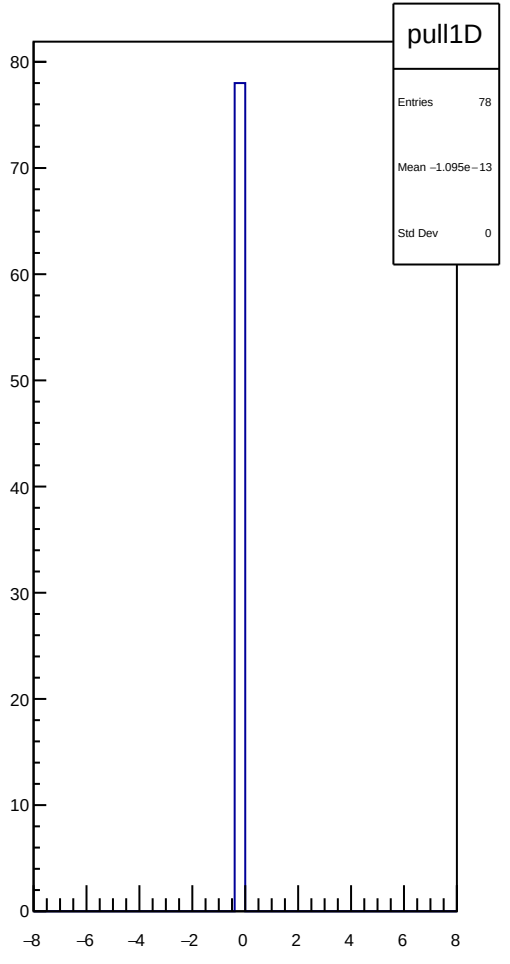

dit_sam6_11X12X_slope vs run
χ² / ndf 9.985e−27 / 77
p0 0.5266 ± 0.004444
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 1.131e−14
Std Dev 5.603e−22

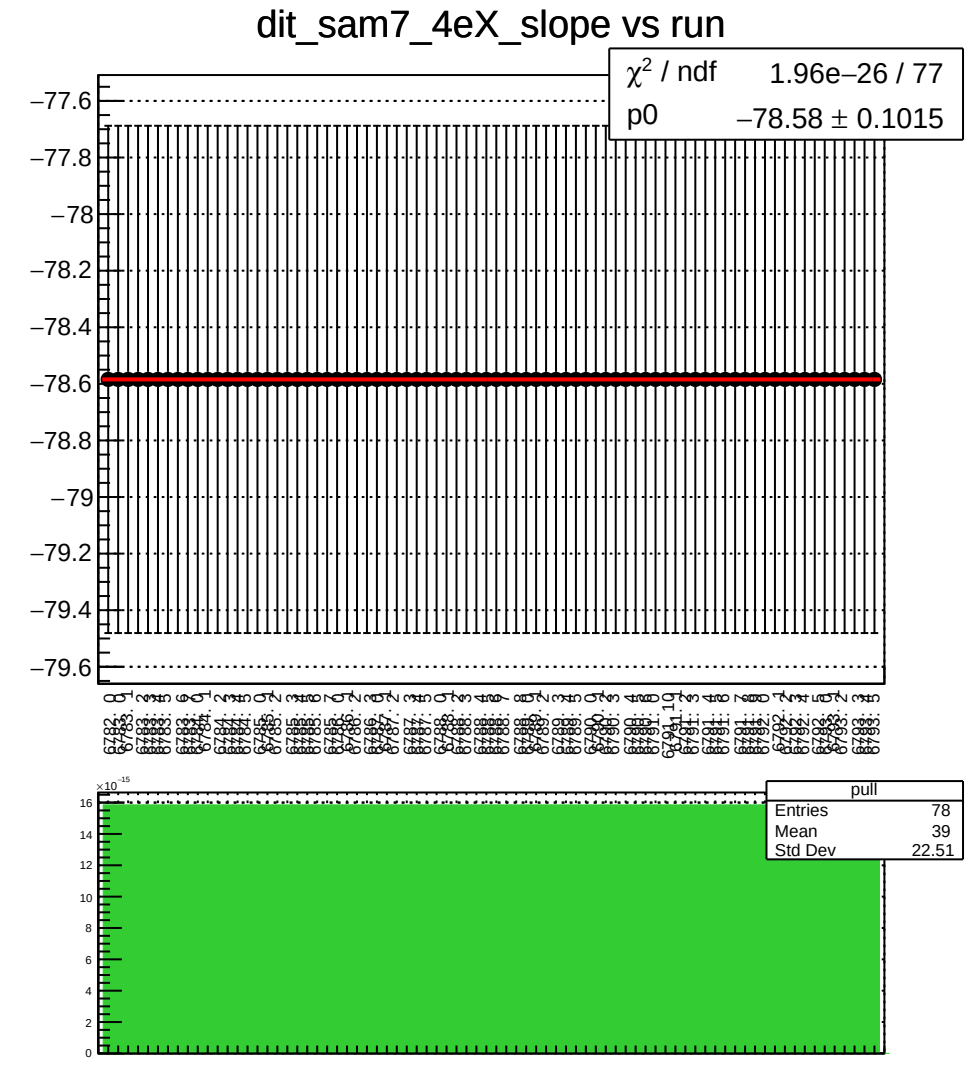

dit_sam6_4aY_slope vs run
χ² / ndf 2.16e−24 / 77
p0 17.89 ± 0.03384
18.2
18.1
18
17.9
17.8
17.7
17.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

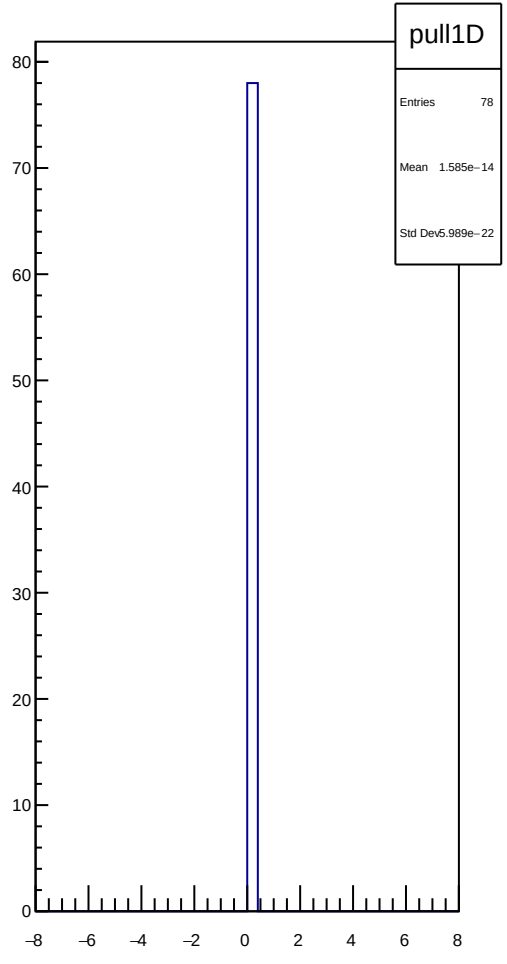

pull1D
Entries 78
Mean 1.664e−13
Std Dev1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

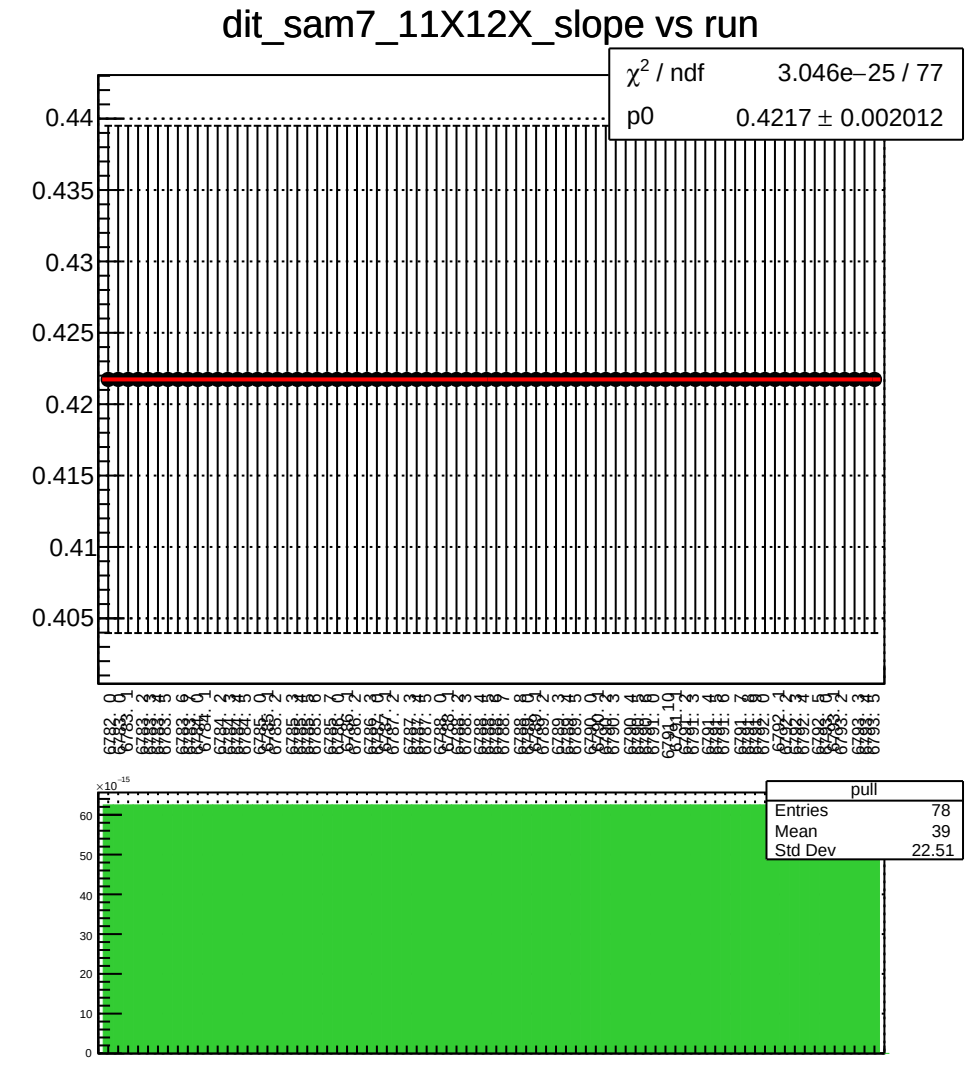

dit_sam6_4eY_slope vs run
χ^2 / ndf 2.057e−24 / 77
p0 95.72 ± 0.08918
96.6
96.4
96.2
96
95.8
95.6
95.4
95.2
95
94.8
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 78
Mean −1.624e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0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

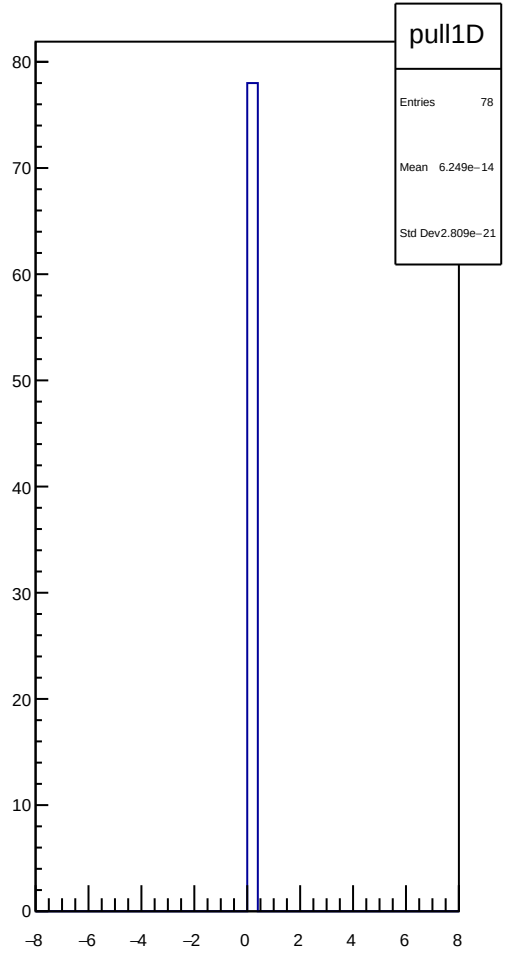

dit_sam7_4aX_slope vs run
χ² / ndf 9.346e−25 / 77
p0 41.39 ± 0.1249
42.5
42
41.5
41
40.5
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

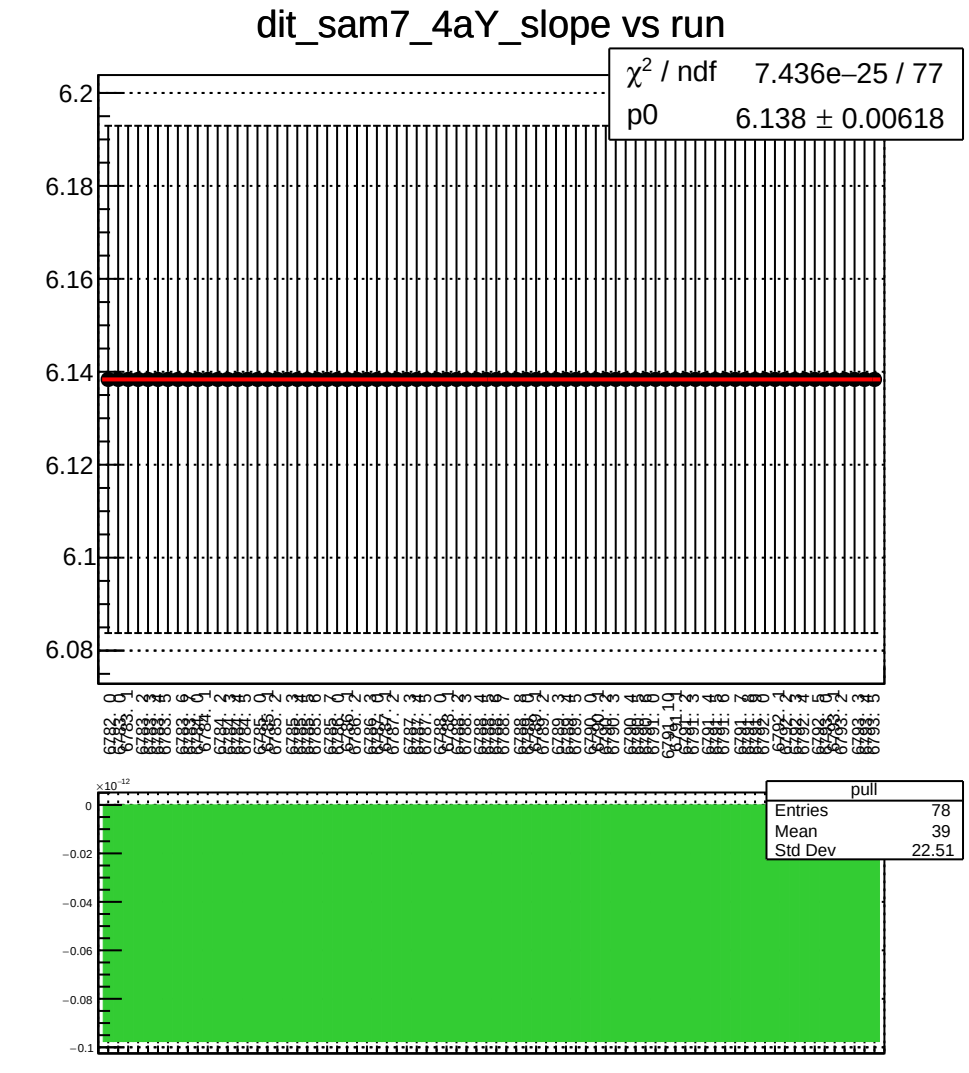

pull1D
Entries 78
Mean −1.095e−13
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

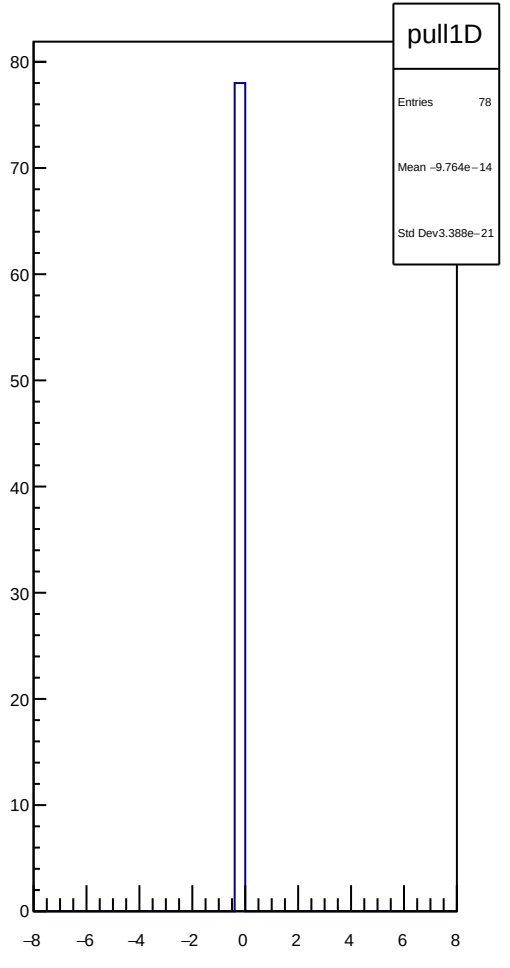

dit_sam7_4eX_slope vs run
χ^2 / ndf 1.96e−26 / 77
p0 −78.58 ± 0.1015
−77.6
−77.8
−78
−78.2
−78.4
−78.6
−78.8
−79
−79.2
−79.4
−79.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

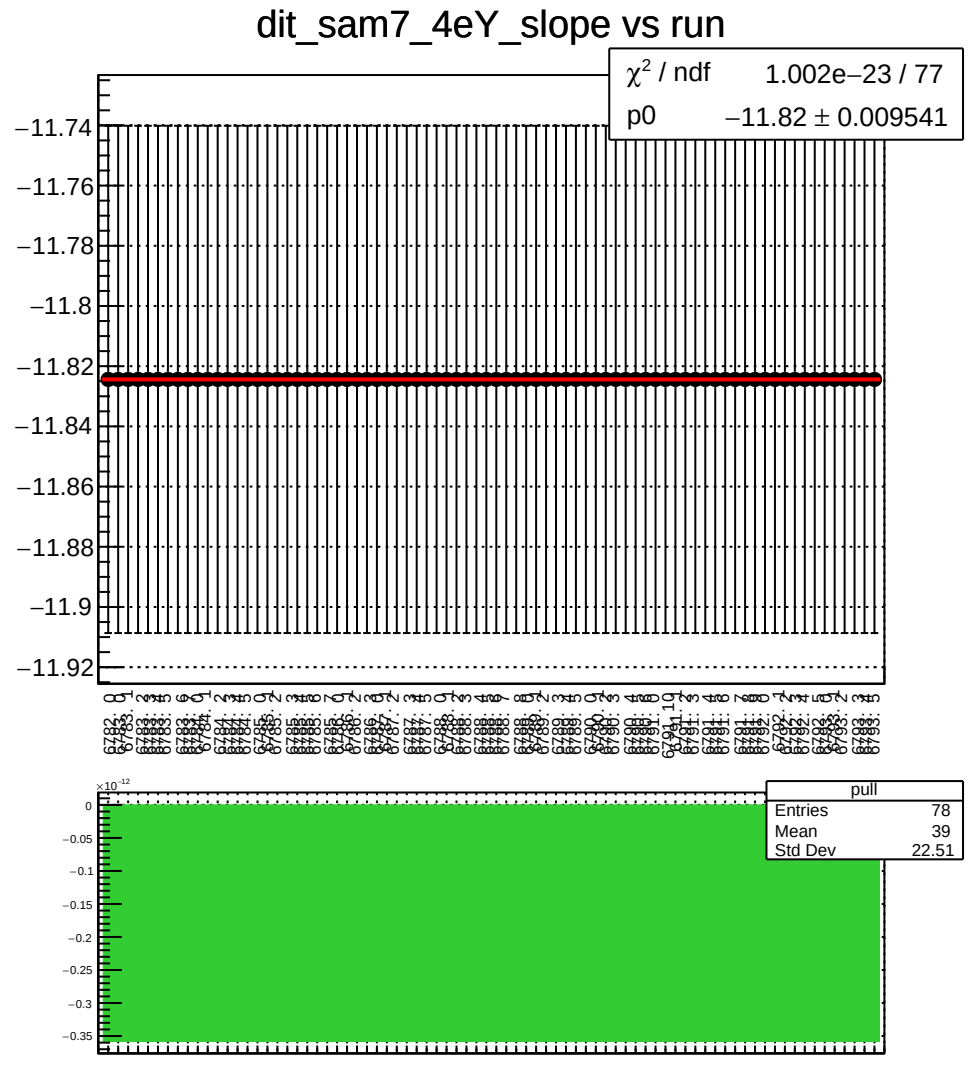

pull1D
Entries 78
Mean 1.585e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

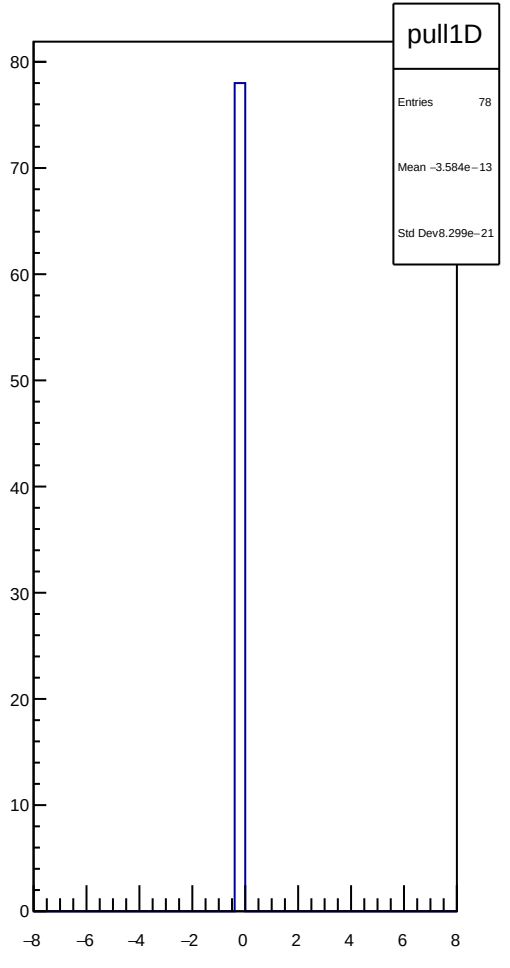

dit_sam7_11X12X_slope vs run
χ² / ndf 3.046e−25 / 77
p0 0.4217 ± 0.002012
0.44
0.435
0.43
0.425
0.42
0.415
0.41
0.405
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
60
50
40
30
20
10
0

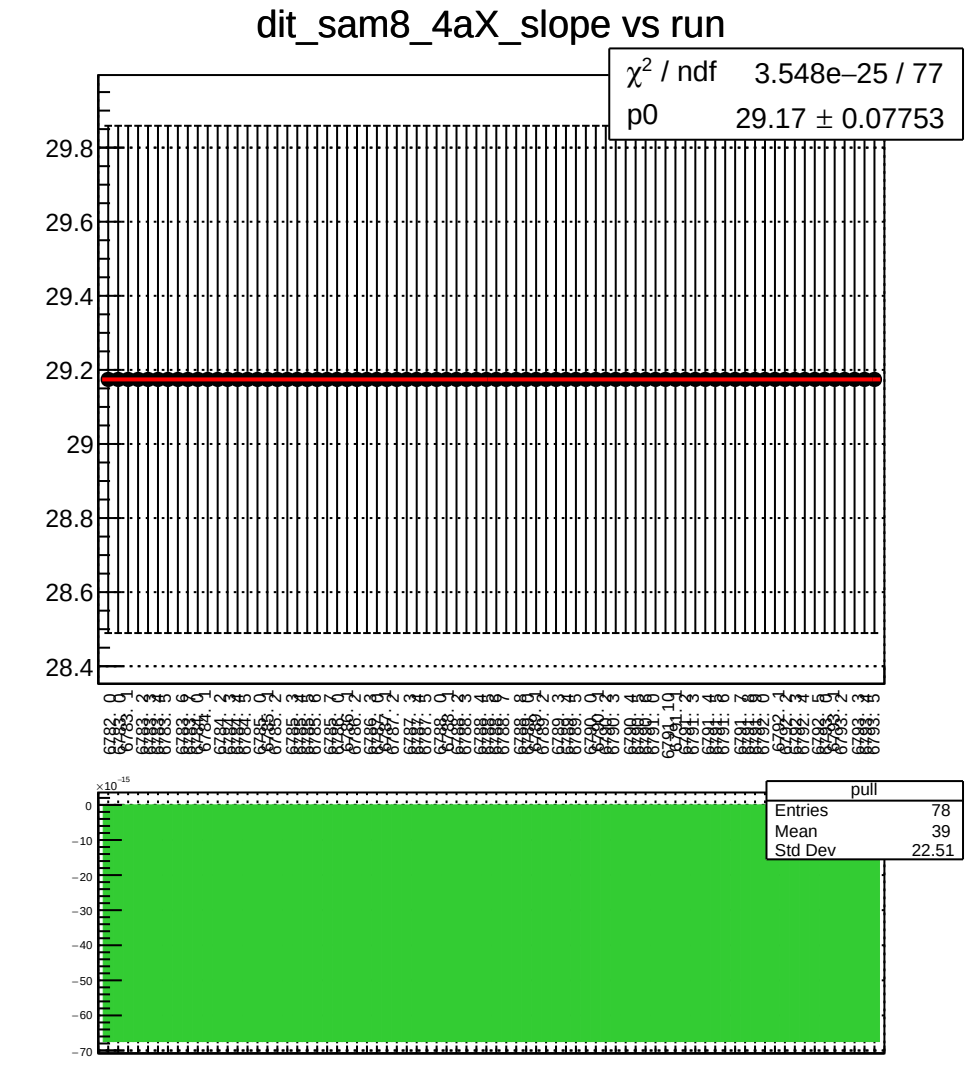

pull1D
Entries 78
Mean 6.249e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

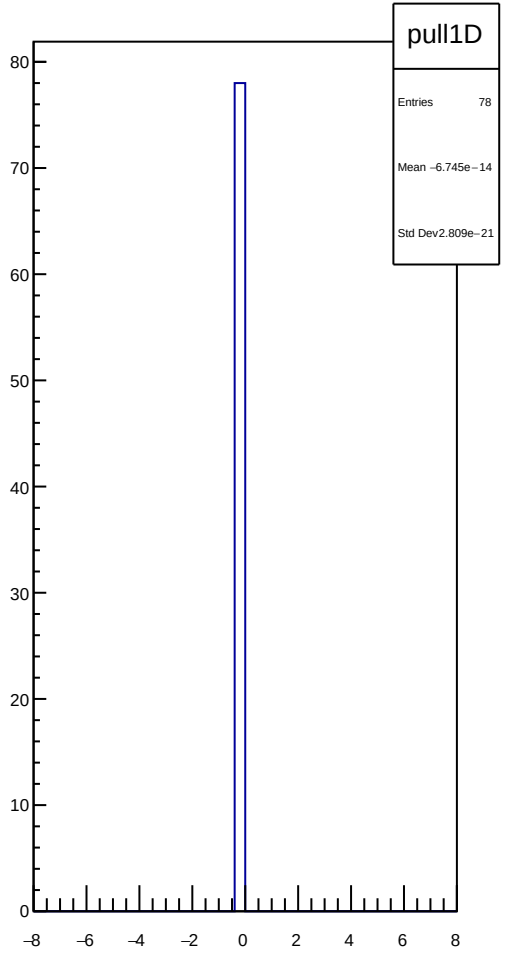

dit_sam7_4aY_slope vs run
χ² / ndf 7.436e−25 / 77
p0 6.138 ± 0.00618
6.2
6.18
6.16
6.14
6.12
6.1
6.08
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

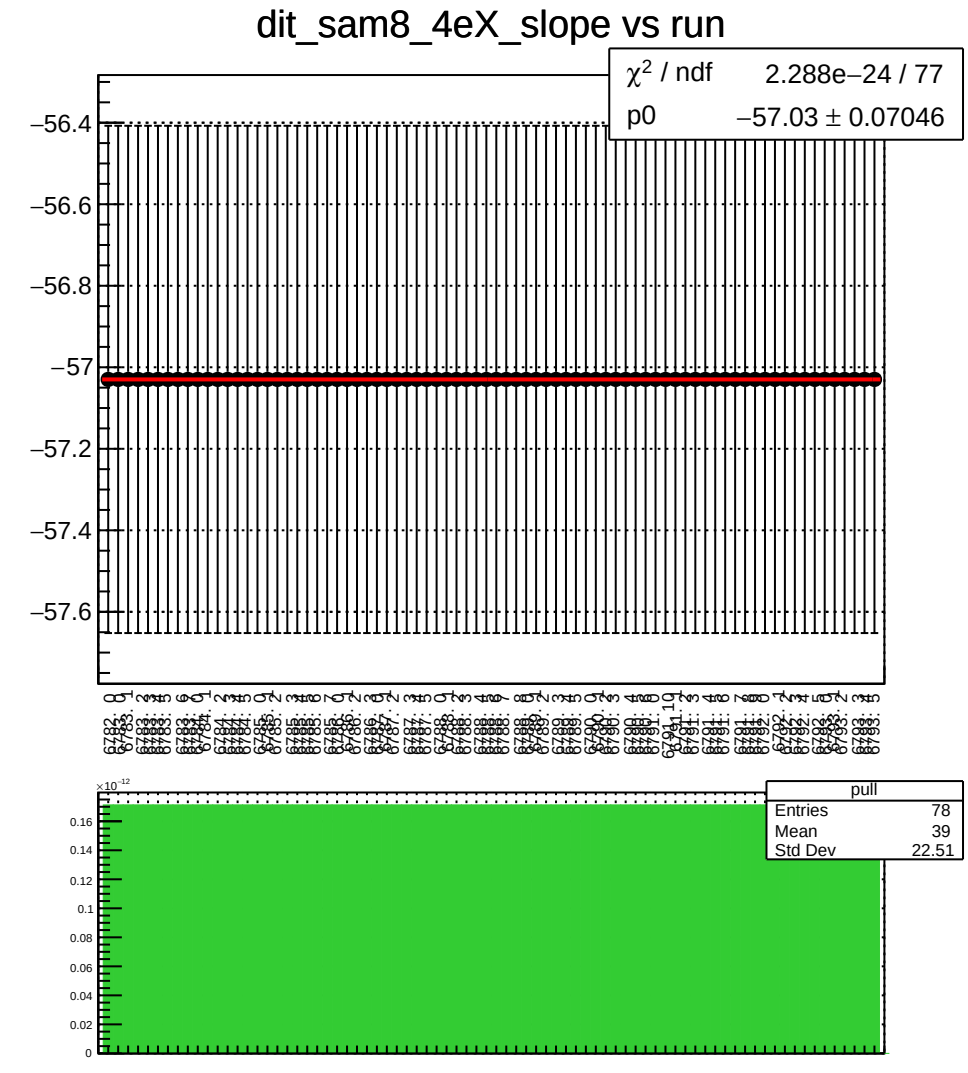

pull1D
Entries 78
Mean −9.764e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

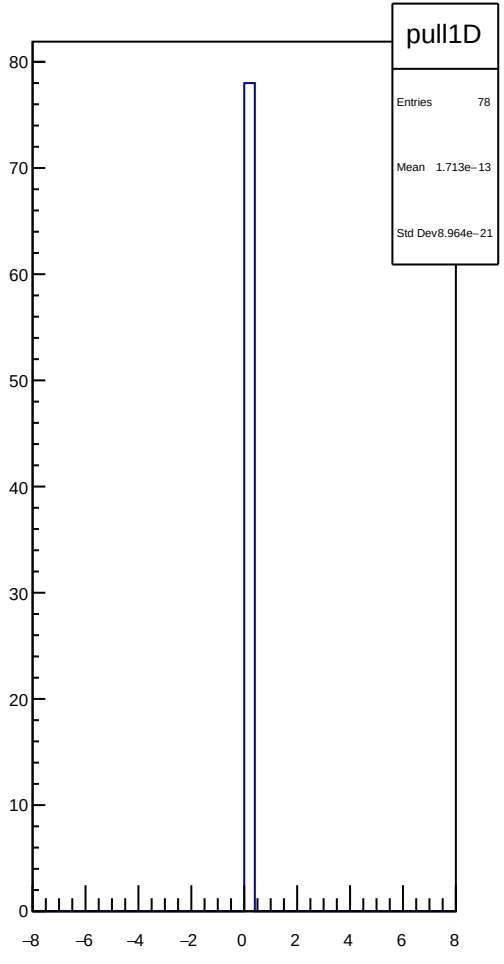

dit_sam7_4eY_slope vs run
χ² / ndf 1.002e−23 / 77
p0 −11.82 ± 0.009541
−11.74
−11.76
−11.78
−11.8
−11.82
−11.84
−11.86
−11.88
−11.9
−11.92
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

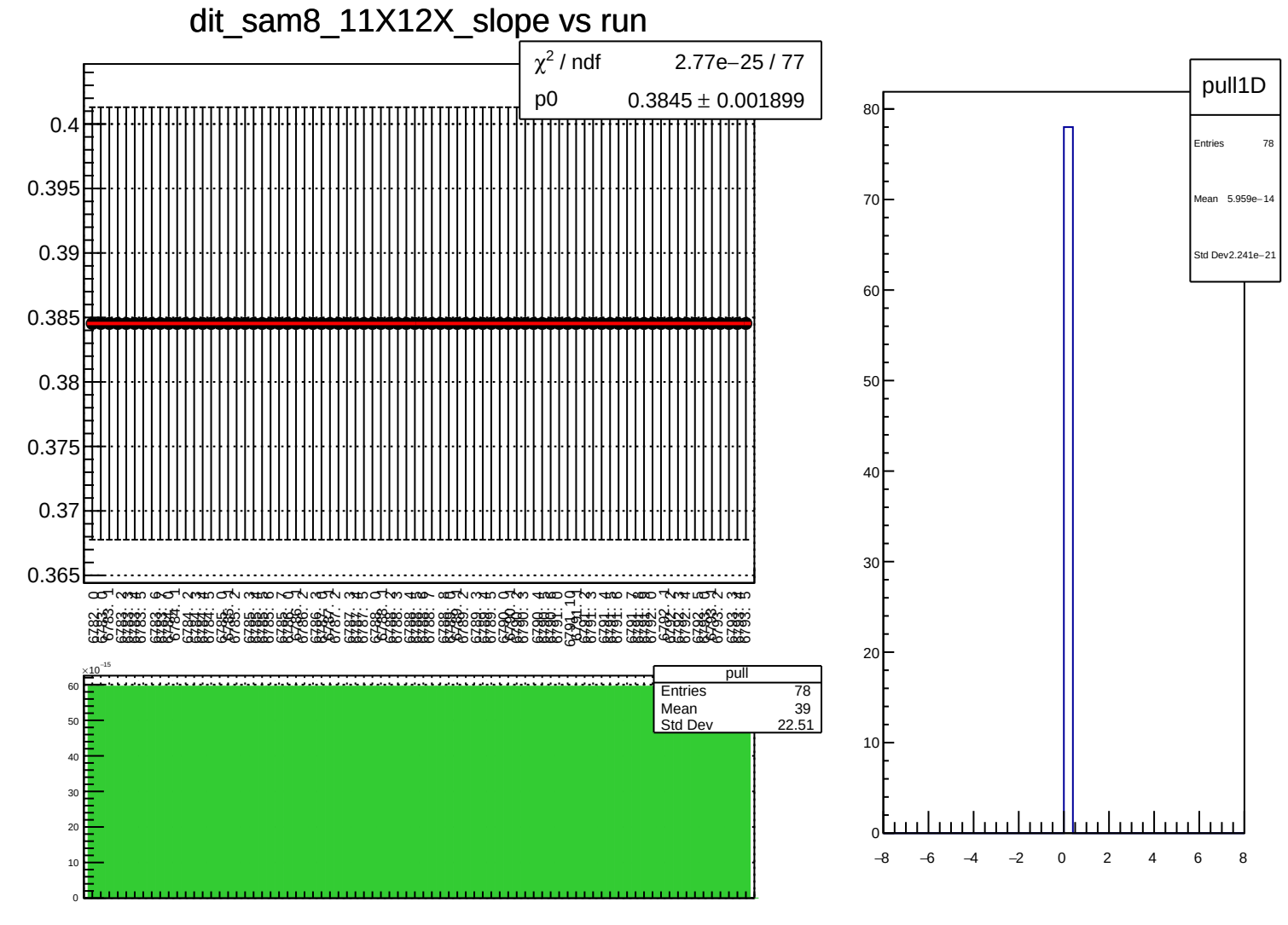

pull1D
Entries 78
Mean −3.584e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

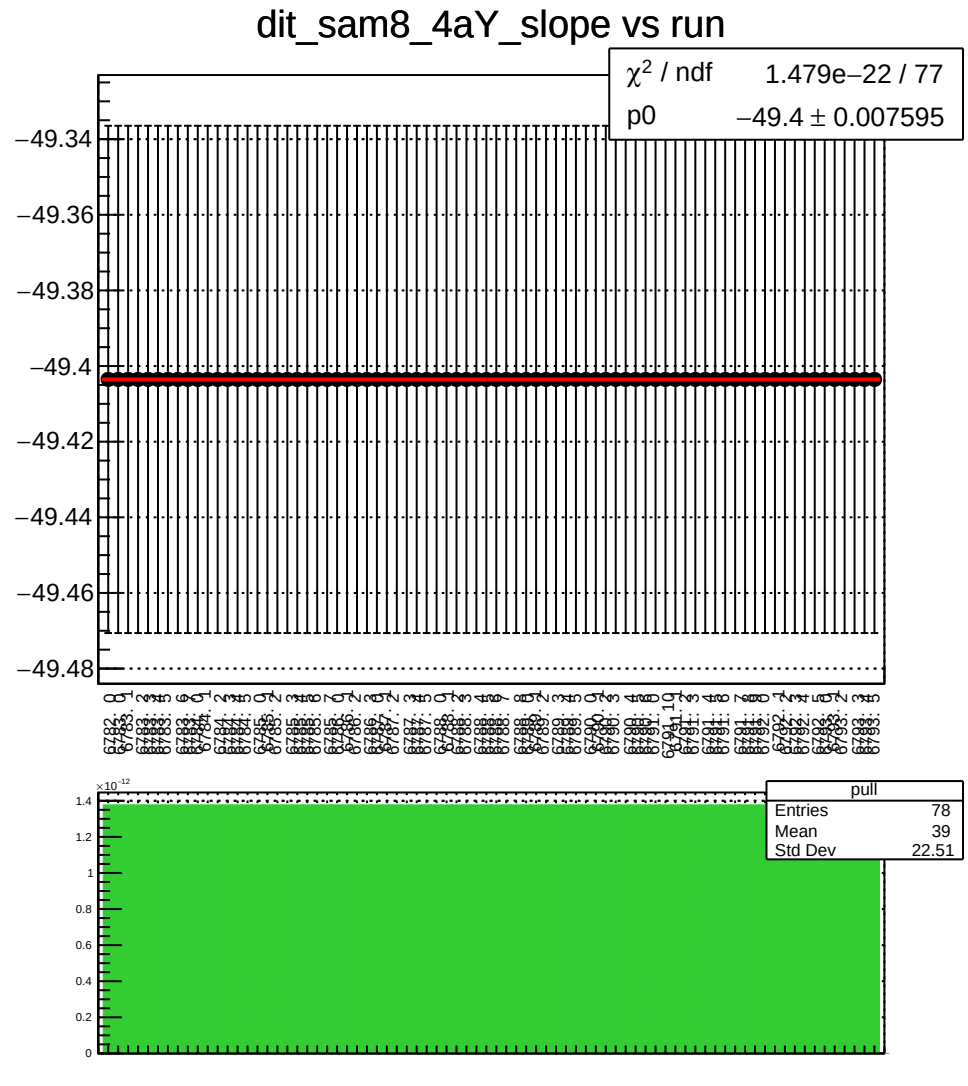

dit_sam8_4aX_slope vs run
χ² / ndf 3.548e−25 / 77
p0 29.17 ± 0.07753
29.8
29.6
29.4
29.2
29
28.8
28.6
28.4
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

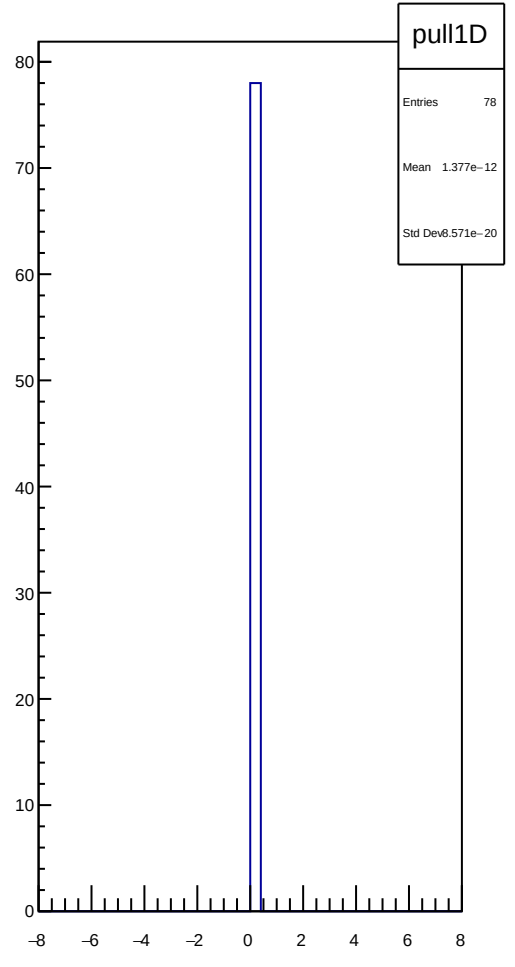

pull1D
Entries 78
Mean −6.745e−14
Std Dev2.809e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

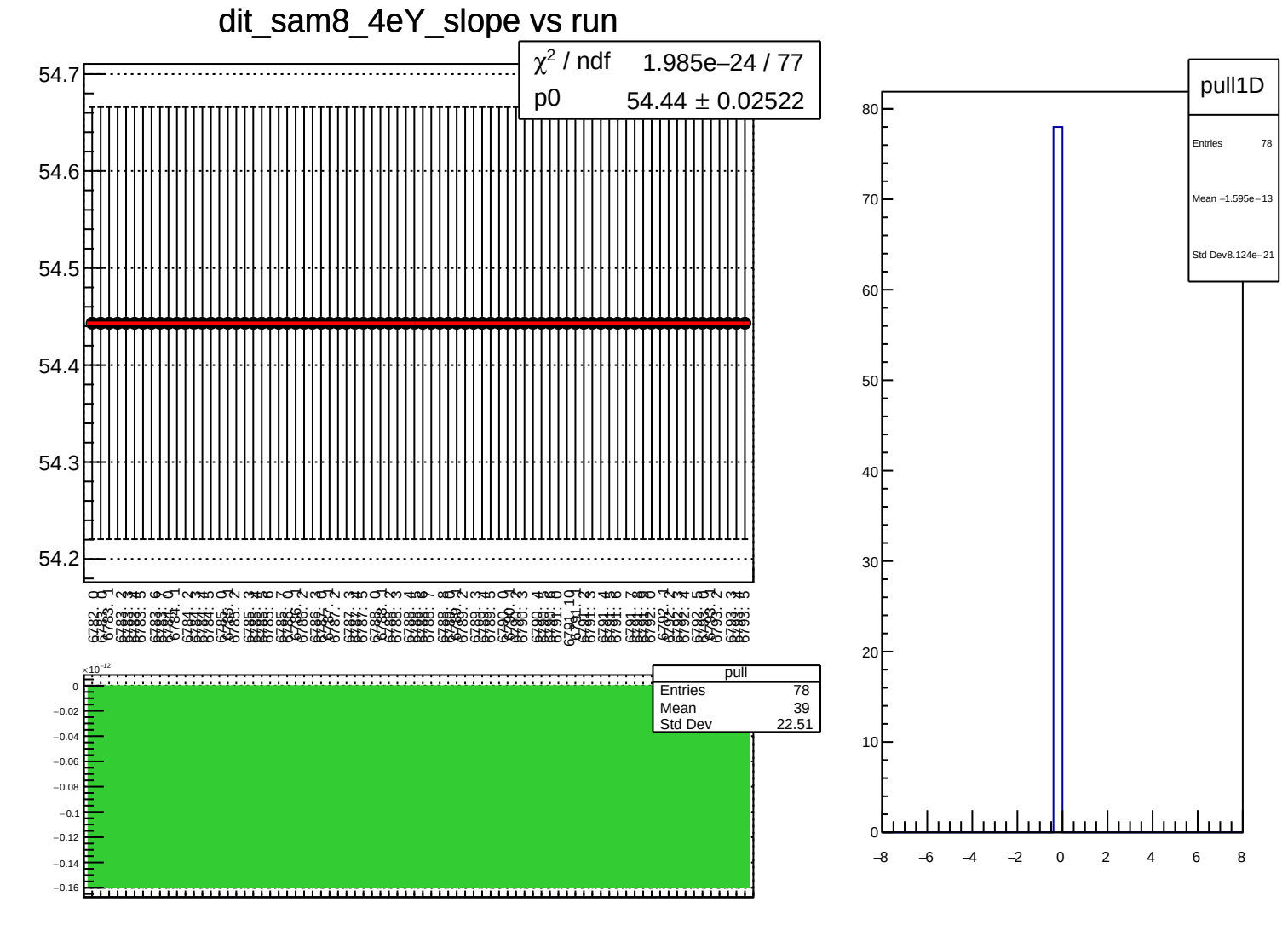

dit_sam8_4eX_slope vs run
χ² / ndf 2.288e−24 / 77
p0 −57.03 ± 0.07046
−56.4
−56.6
−56.8
−57
−57.2
−57.4
−57.6
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

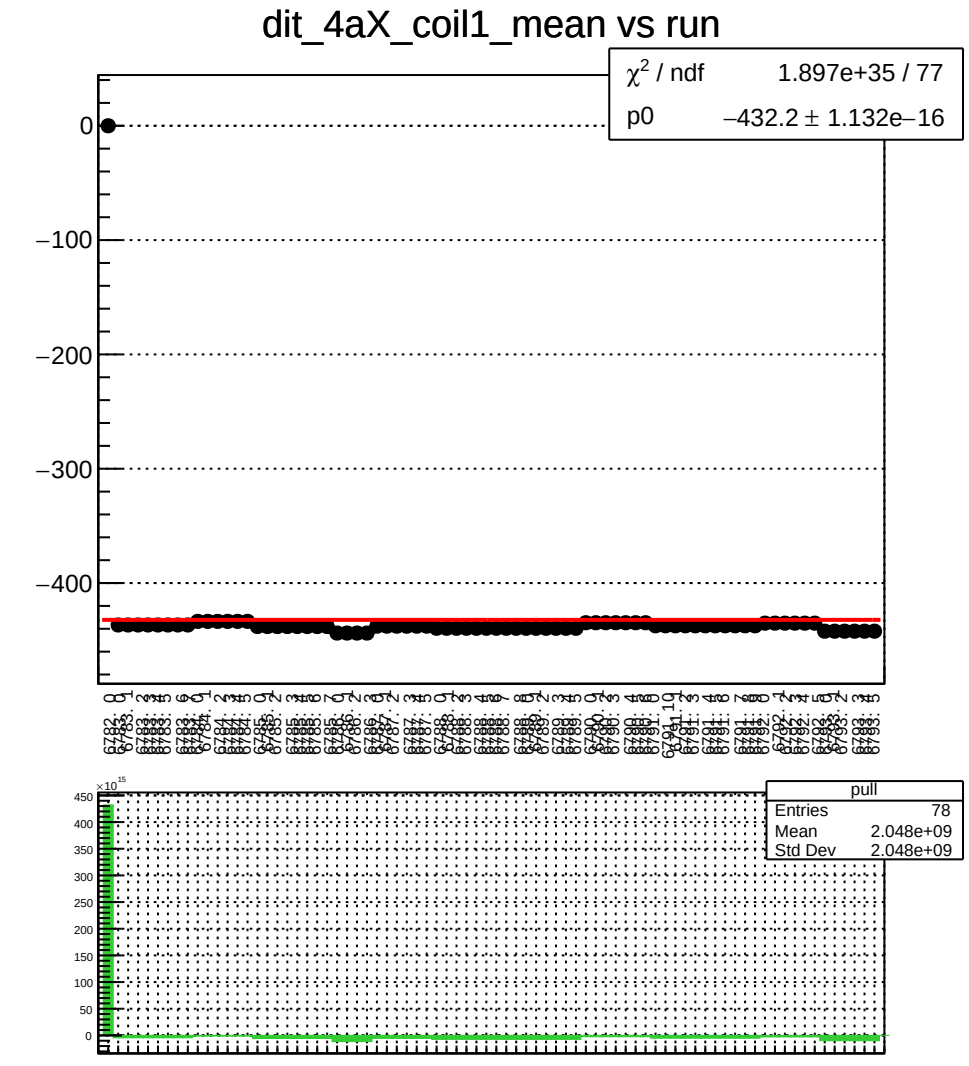

pull1D
Entries 78
Mean 1.713e−13
Std Dev8.964e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

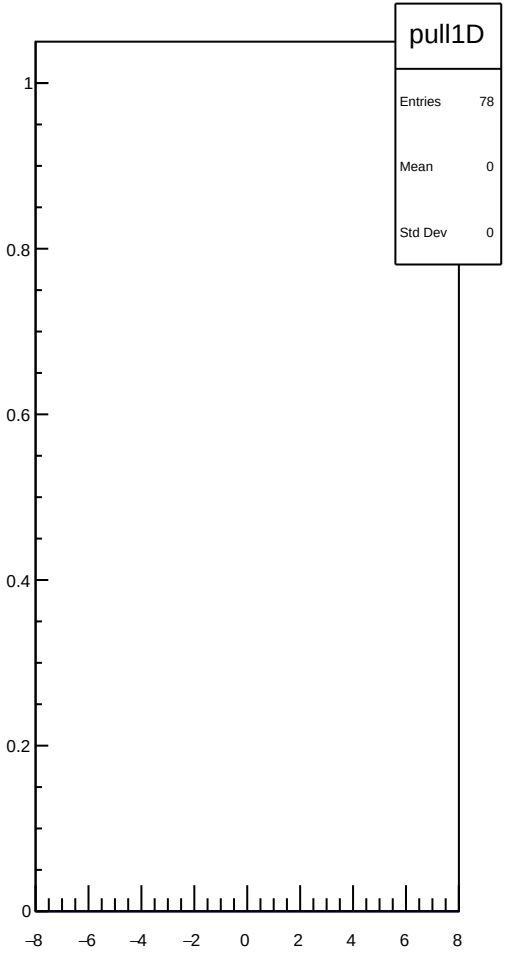

dit_sam8_11X12X_slope vs run
χ² / ndf 2.77e−25 / 77
p0 0.3845 ± 0.001899
0.4
0.395
0.39
0.385
0.38
0.375
0.37
0.365
pull
Entries 78
Mean 39
Std Dev 22.51
pull1D
Entries 78
Mean 5.959e−14
Std Dev2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

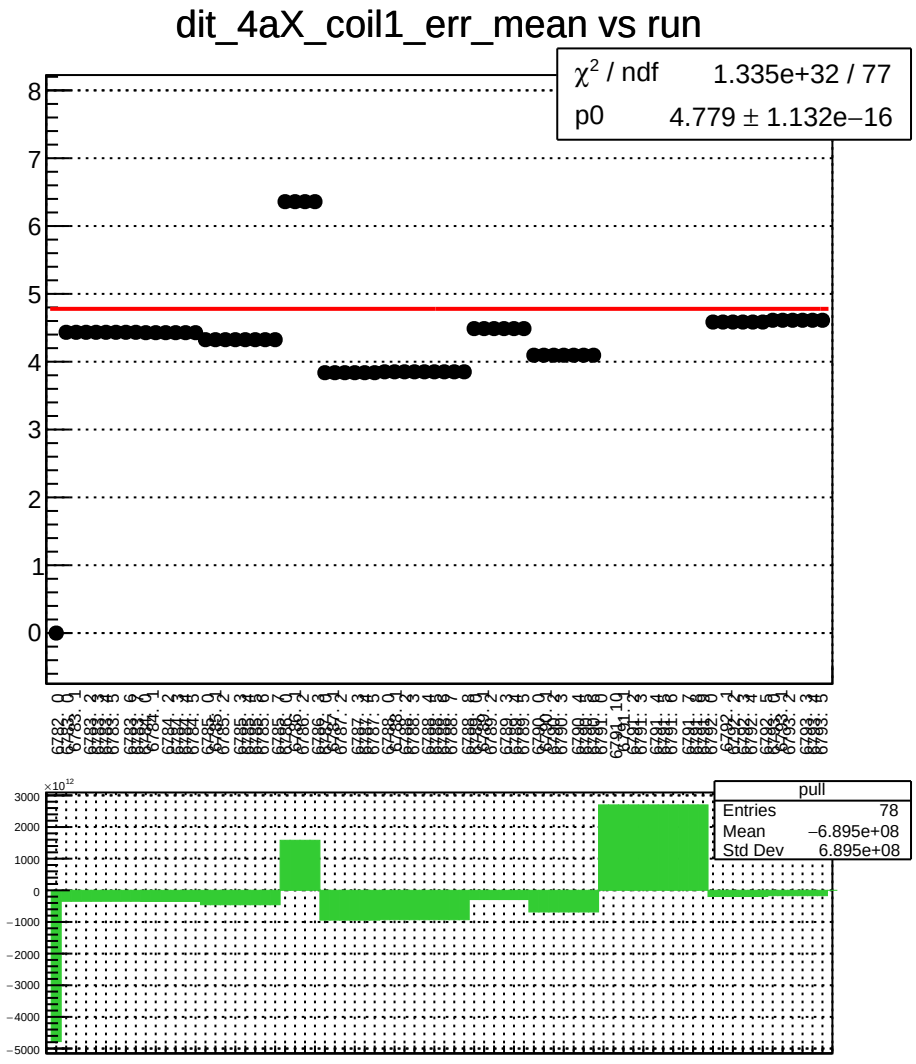

dit_sam8_4aY_slope vs run
χ² / ndf 1.479e−22 / 77
p0 −49.4 ± 0.007595
−49.34
−49.36
−49.38
−49.4
−49.42
−49.44
−49.46
−49.48
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
1.4
1.2
1
0.8
0.6
0.4
0.2
0

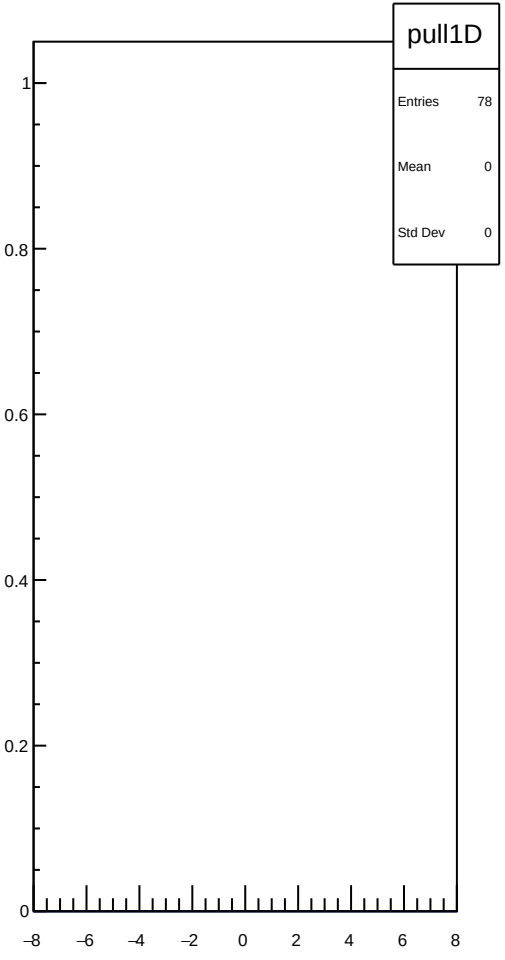

pull1D
Entries 78
Mean 1.377e−12
Std Dev 8.571e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

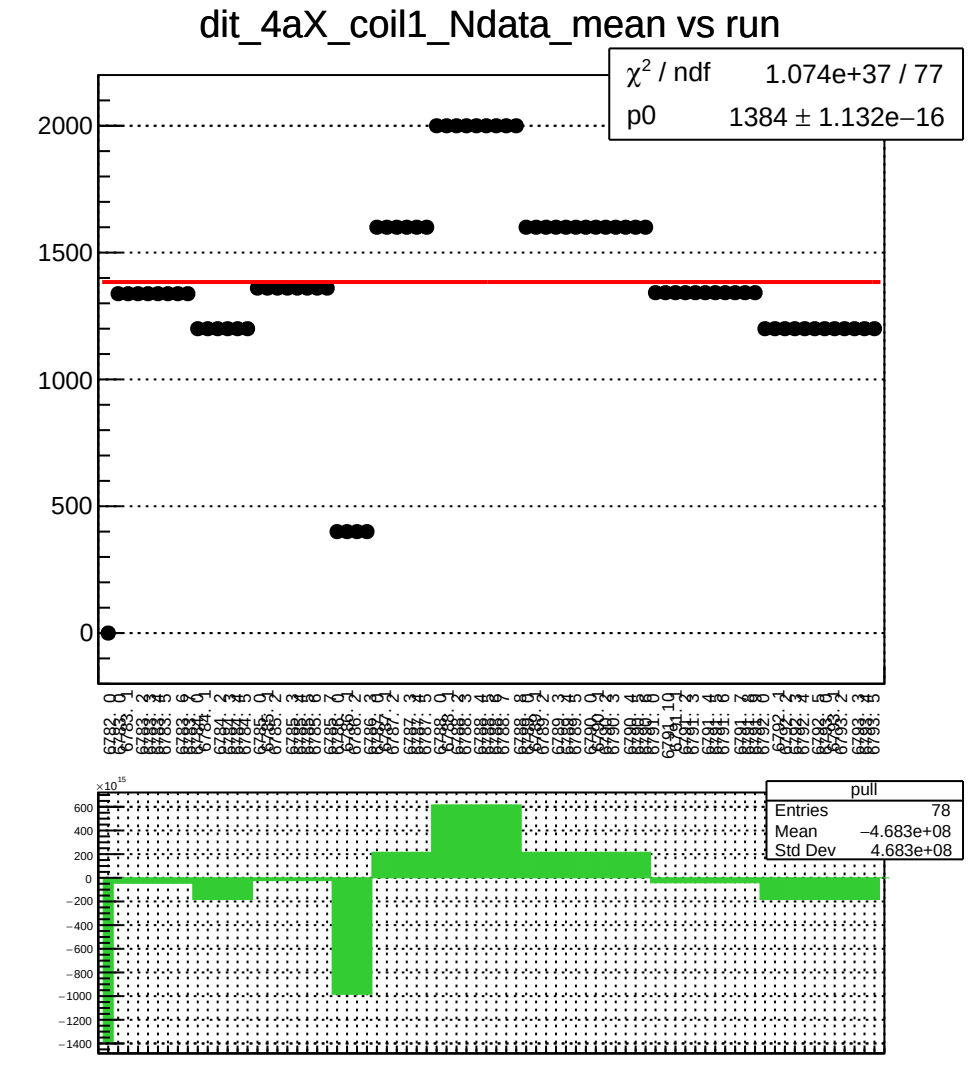

dit_sam8_4eY_slope vs run
χ² / ndf 1.985e−24 / 77
p0 54.44 ± 0.02522
54.7
54.6
54.5
54.4
54.3
54.2
pull
Entries 78
Mean 39
Std Dev 22.51
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 78
Mean −1.595e−13
Std Dev8.124e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

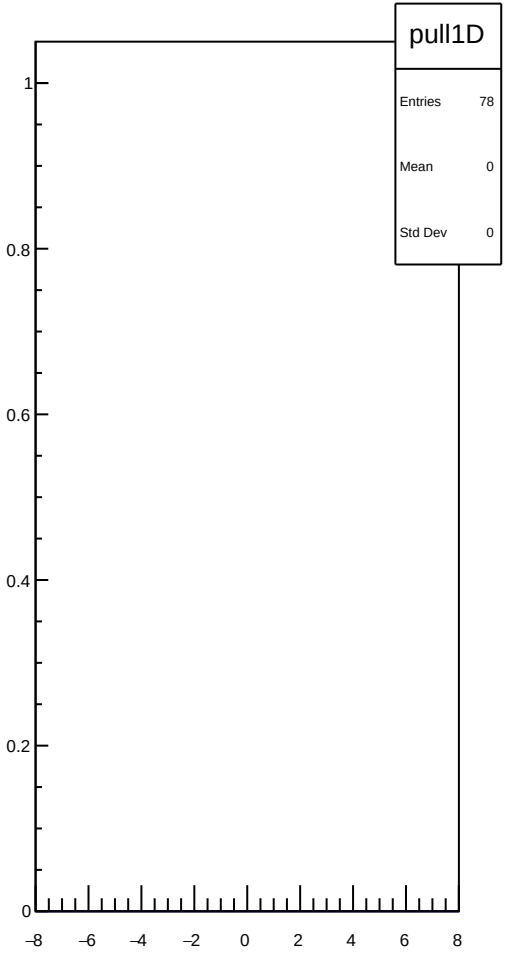

dit_4aX_coil1_mean vs run
χ² / ndf 1.897e+35 / 77
p0 −432.2 ± 1.132e−16
0
−100
−200
−300
−400
pull
Entries 78
Mean 2.048e+09
Std Dev 2.048e+09
×10¹⁵
450
400
350
300
250
200
150
100
50
0

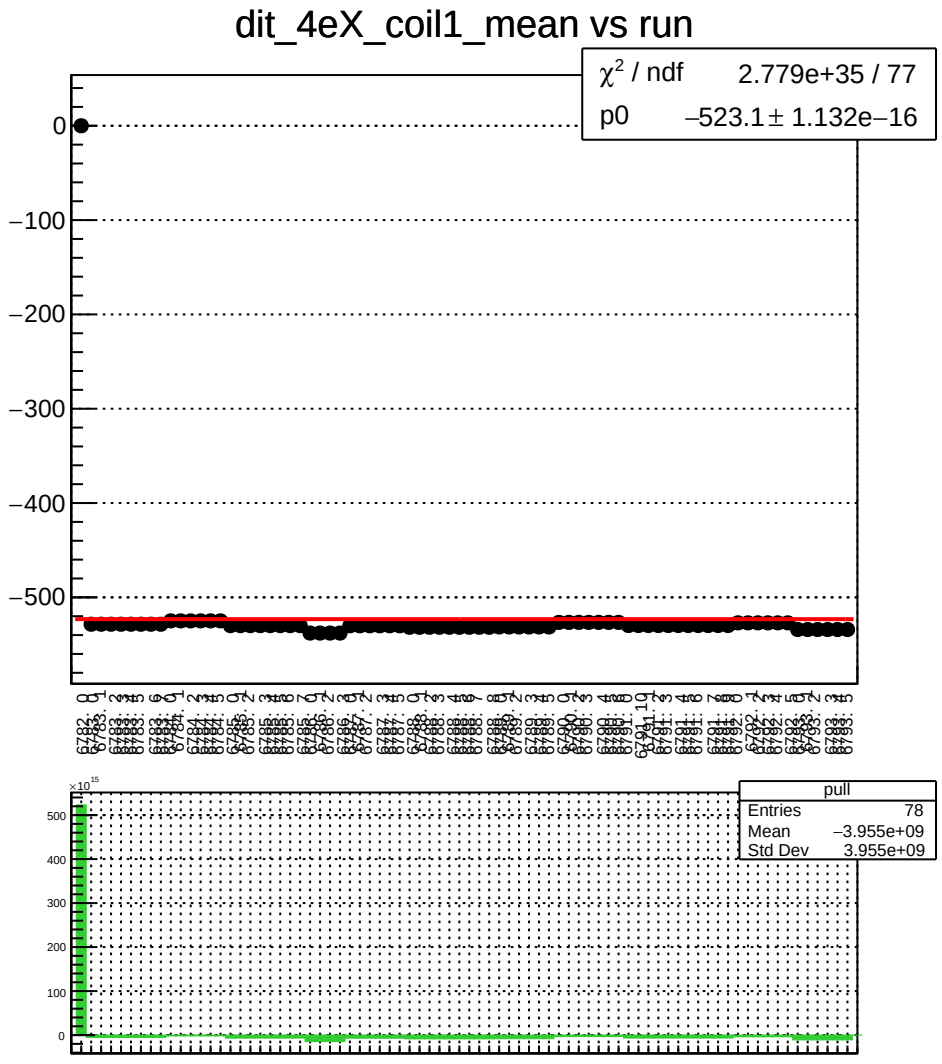

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

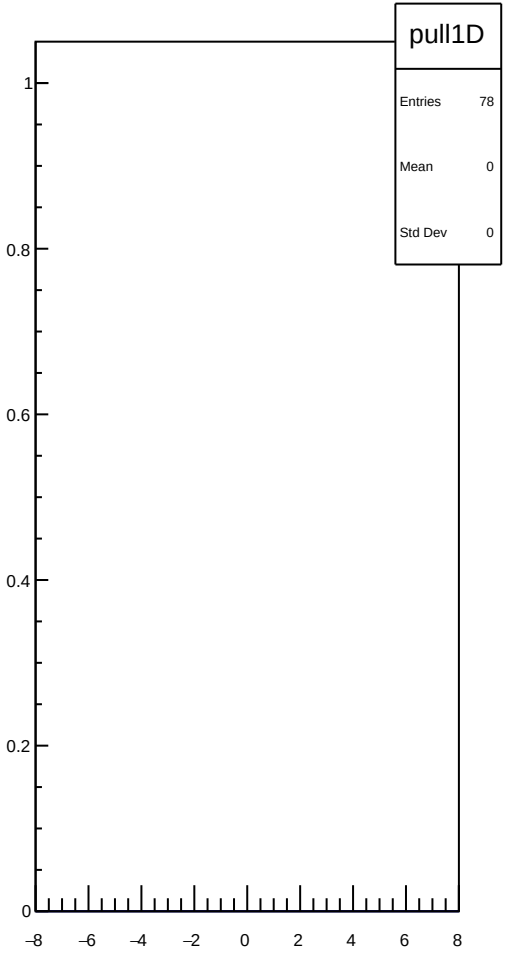

dit_4aX_coil1_err_mean vs run
χ² / ndf 1.335e+32 / 77
p0 4.779 ± 1.132e−16
pull
Entries 78
Mean −6.895e+08
Std Dev 6.895e+08
×10¹²

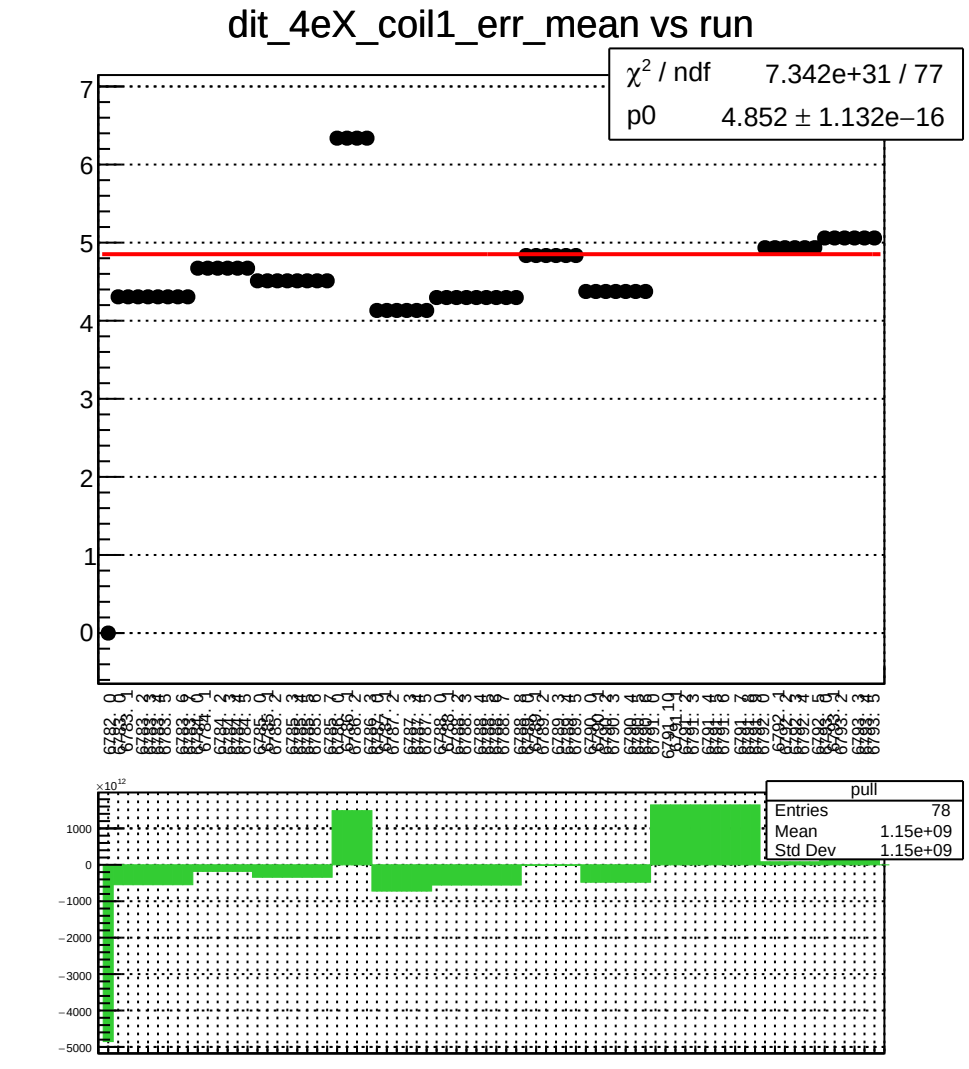

pull1D
Entries 78
Mean 0
Std Dev 0

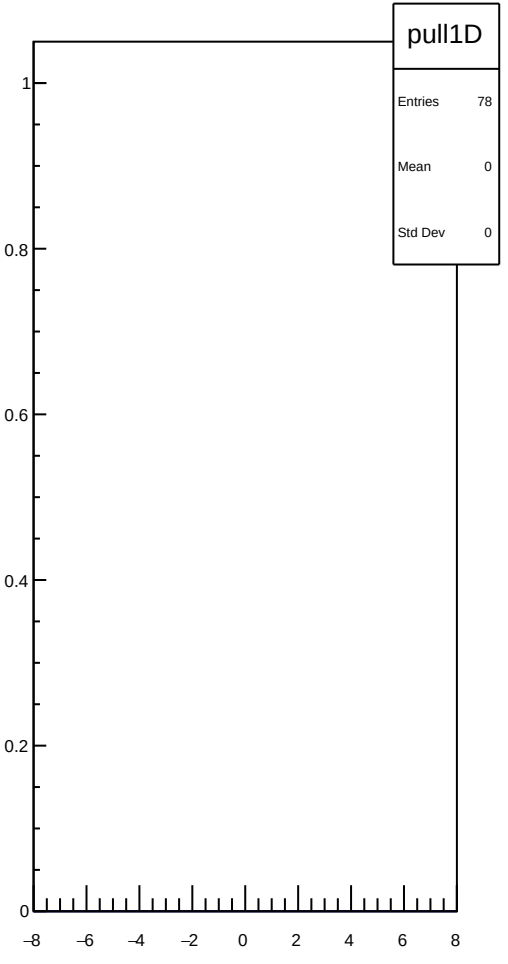

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

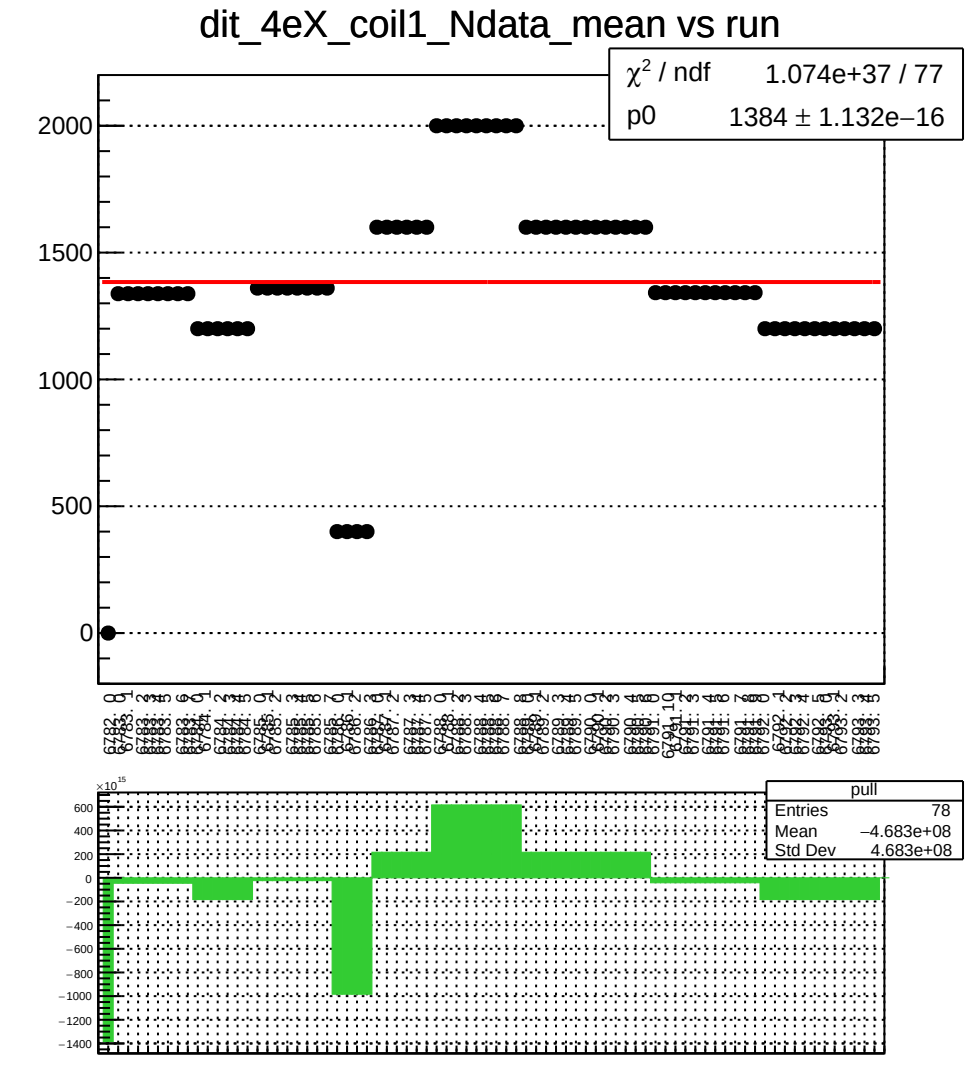

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

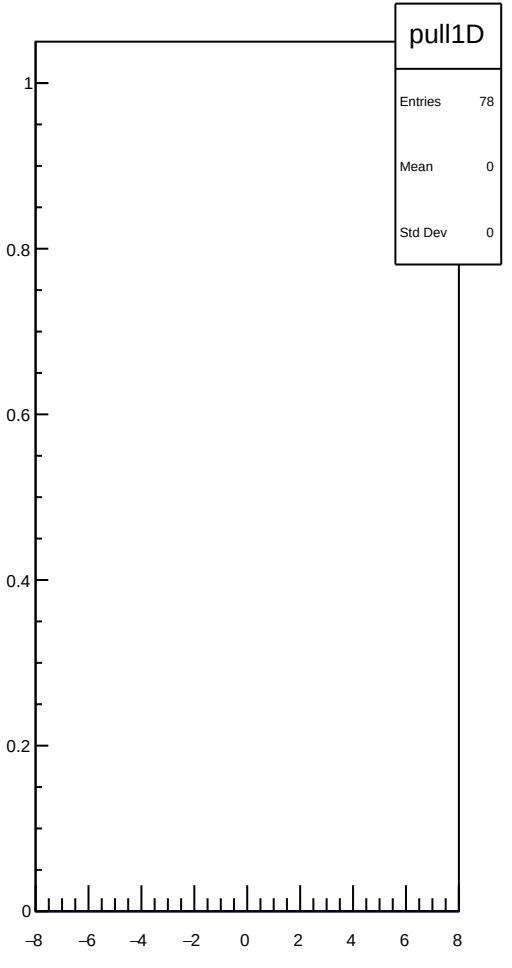

dit_4eX_coil1_mean vs run
χ² / ndf 2.779e+35 / 77
p0 –523.1 ± 1.132e–16
0
–100
–200
–300
–400
–500
pull
Entries 78
Mean –3.955e+09
Std Dev 3.955e+09
×10¹⁵
500
400
300
200
100
0

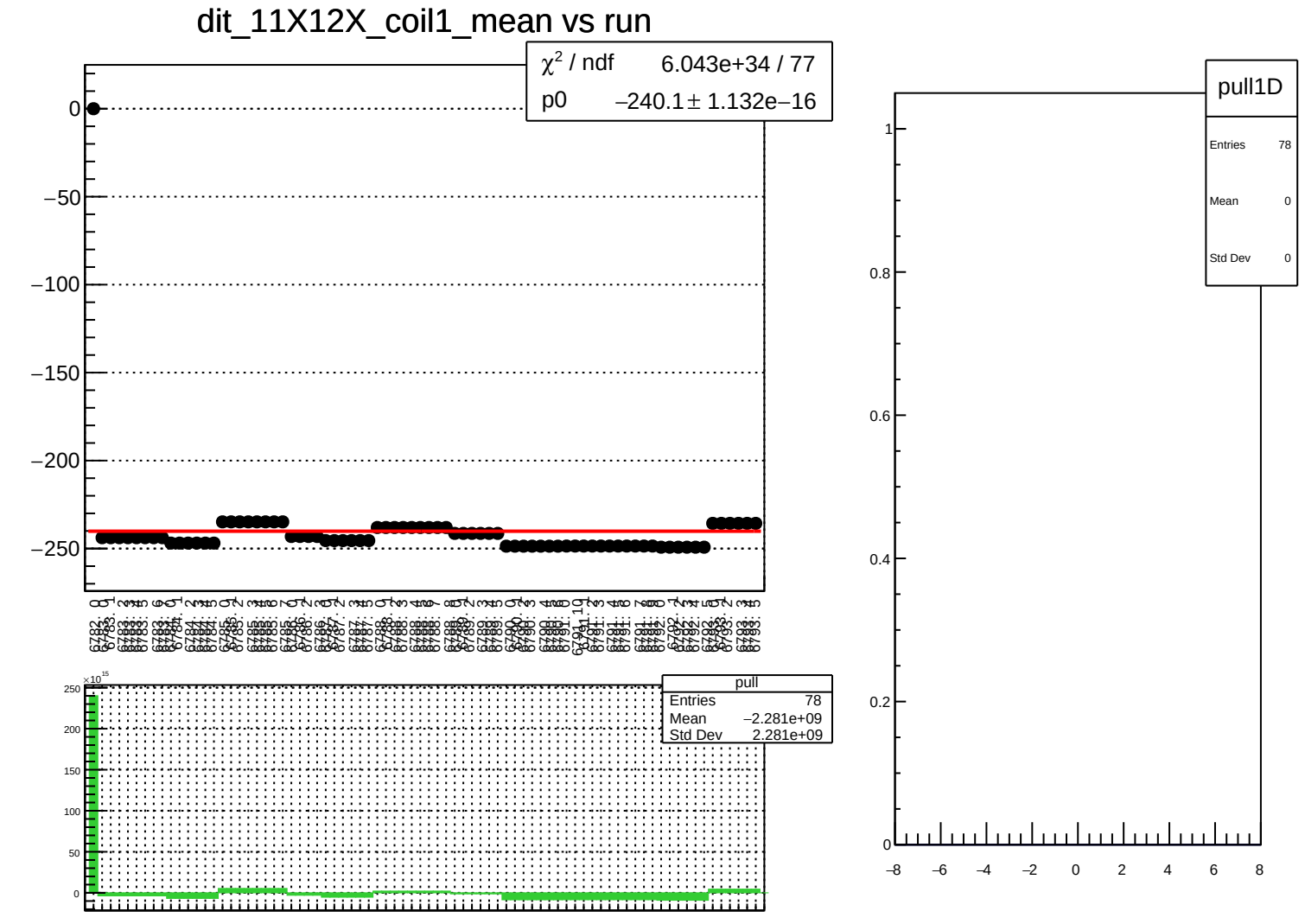

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

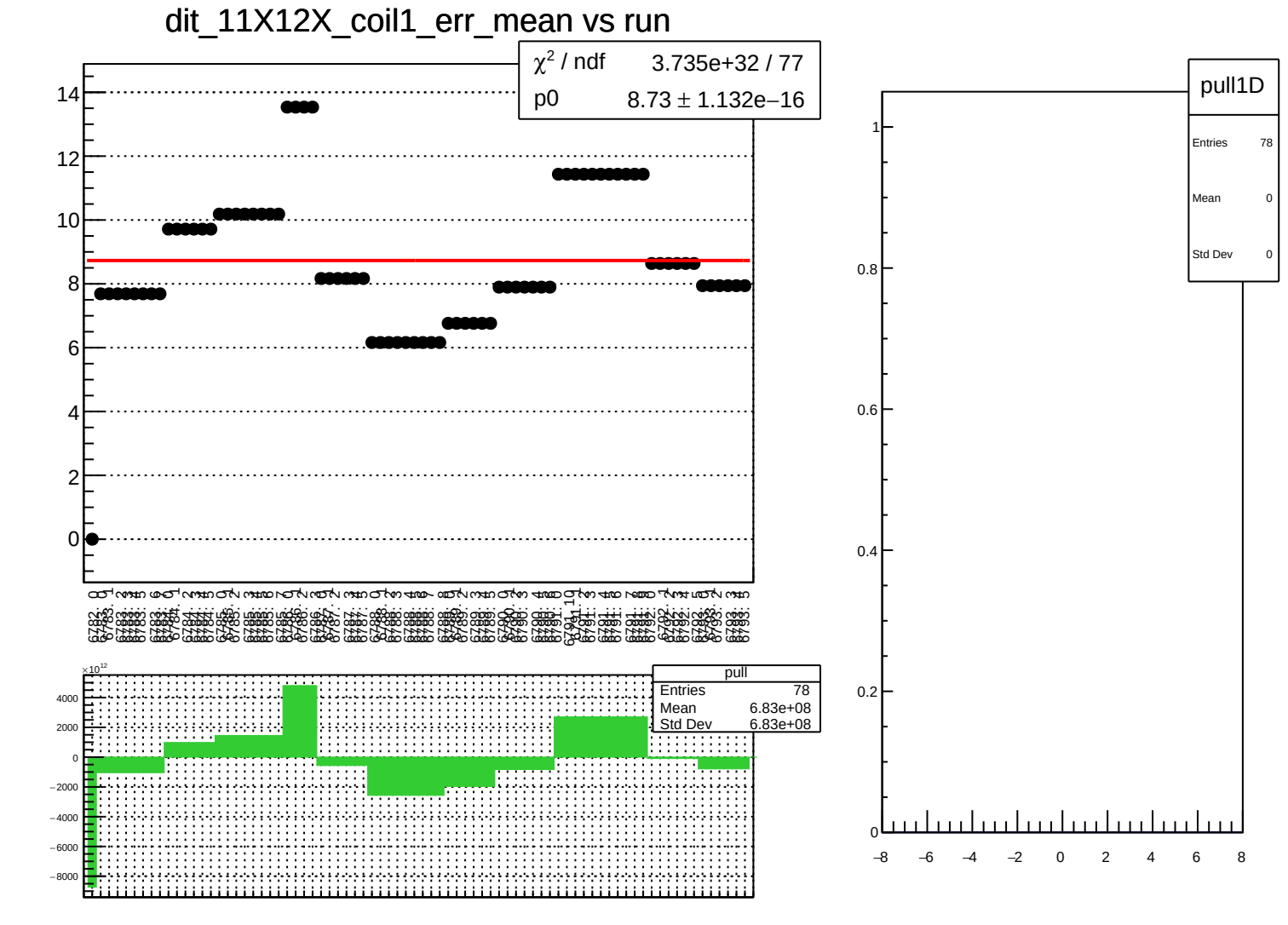

dit_4eX_coil1_err_mean vs run
χ² / ndf 7.342e+31 / 77
p0 4.852 ± 1.132e−16
pull
Entries 78
Mean 1.15e+09
Std Dev 1.15e+09

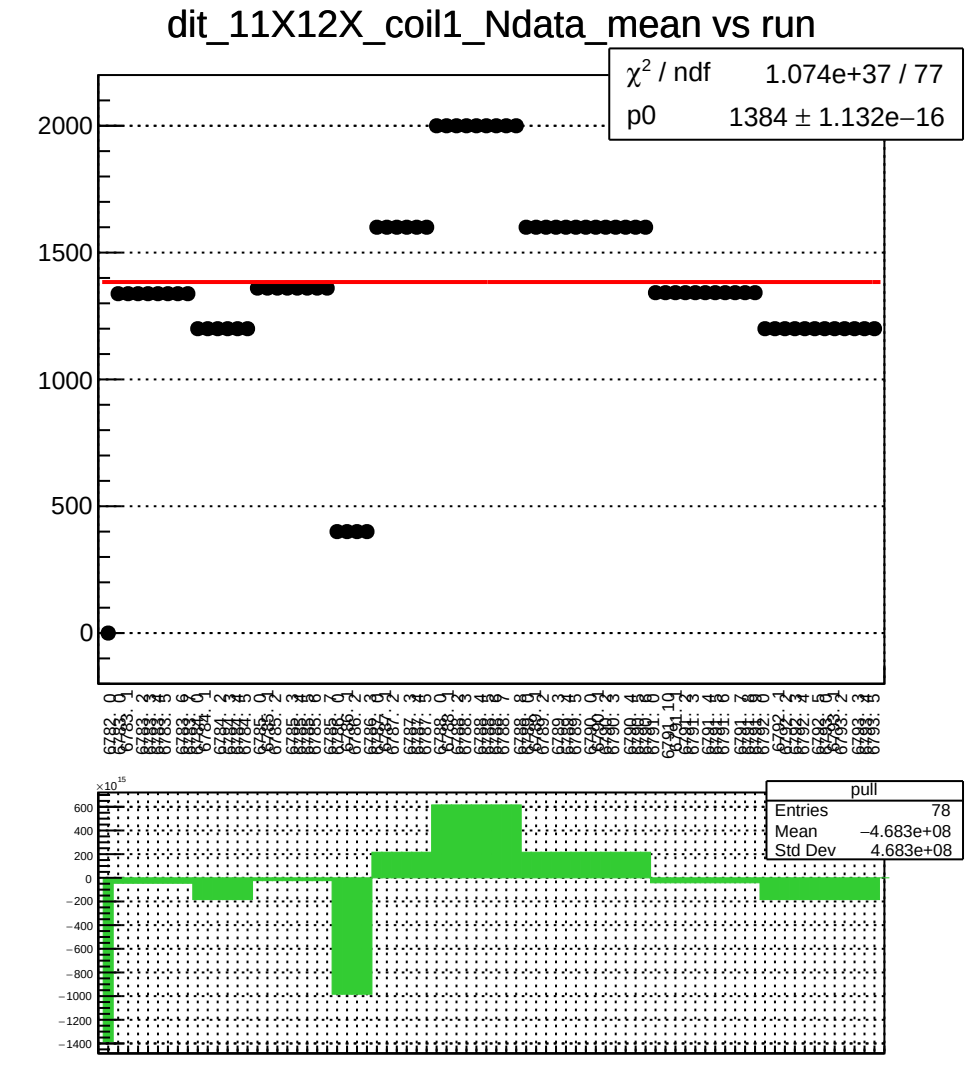

pull1D
Entries 78
Mean 0
Std Dev 0

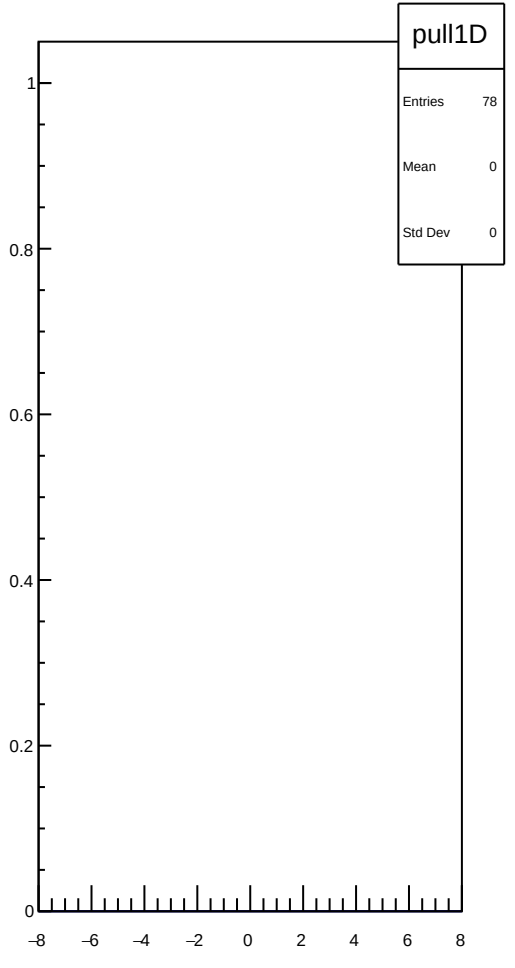

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

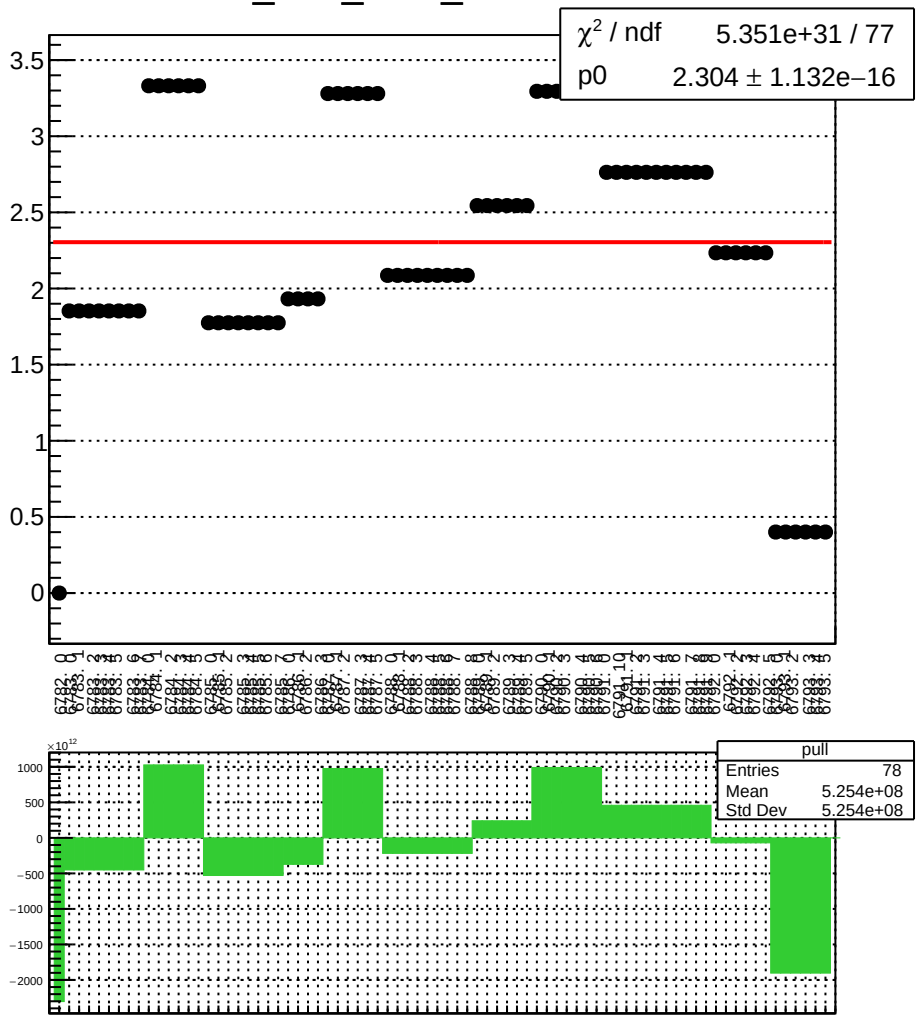

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

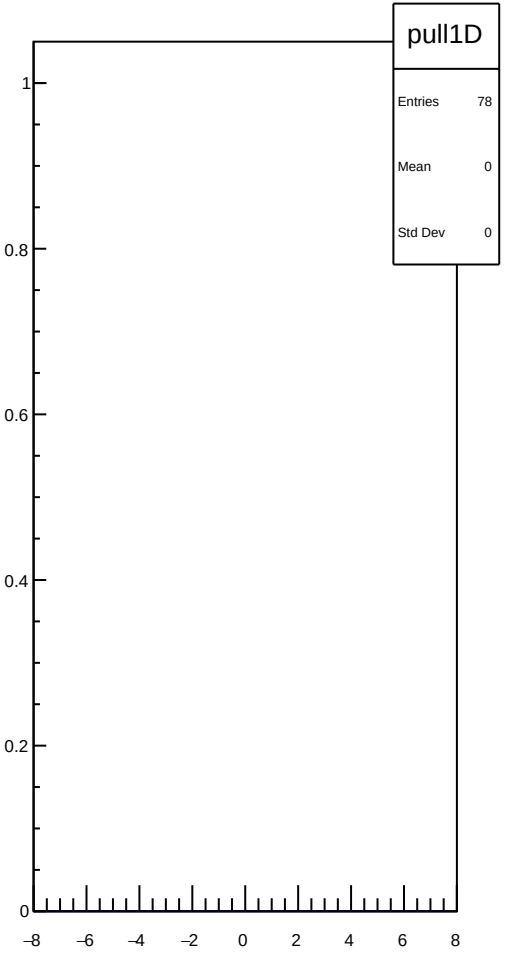

dit_11X12X_coil1_mean vs run
χ² / ndf 6.043e+34 / 77
p0 −240.1 ± 1.132e−16
pull
Entries 78
Mean −2.281e+09
Std Dev 2.281e+09
pull1D
Entries 78
Mean 0
Std Dev 0

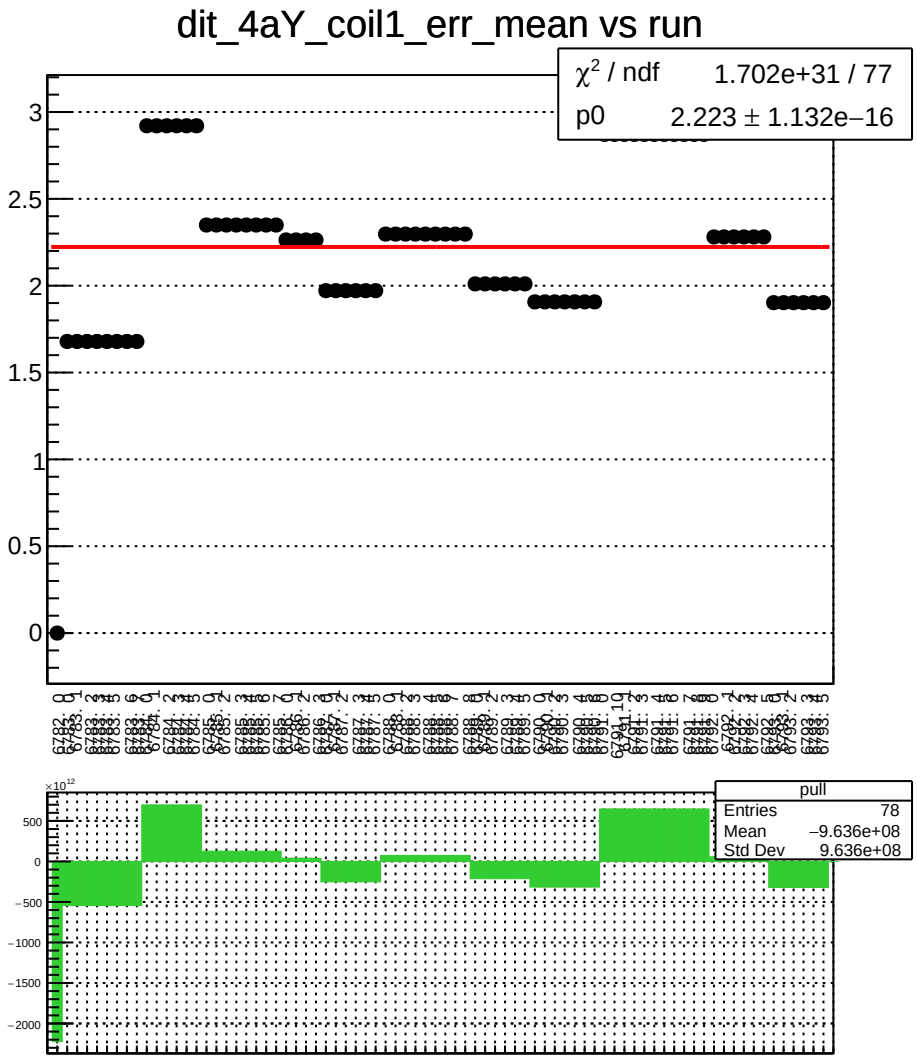

dit_11X12X_coil1_err_mean vs run
χ² / ndf 3.735e+32 / 77
p0 8.73 ± 1.132e−16
pull
Entries 78
Mean 6.83e+08
Std Dev 6.83e+08
pull1D
Entries 78
Mean 0
Std Dev 0

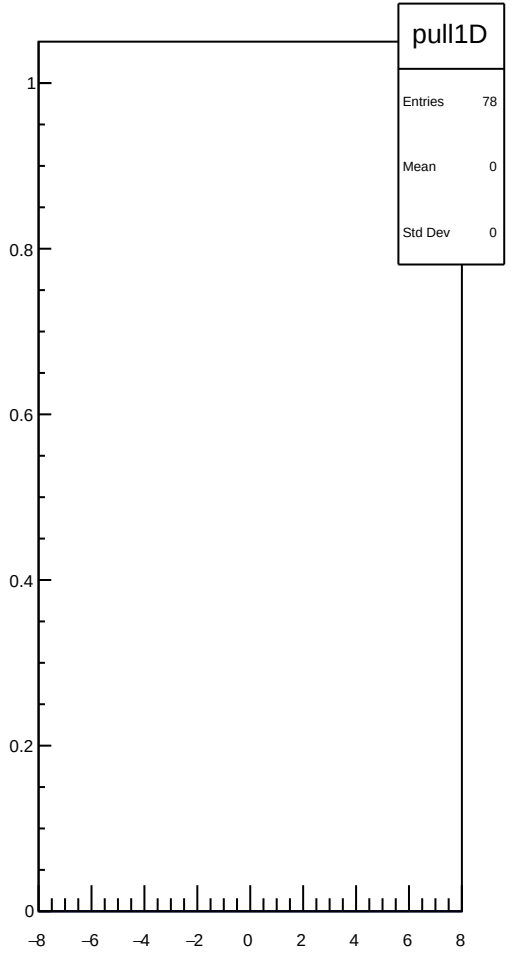

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

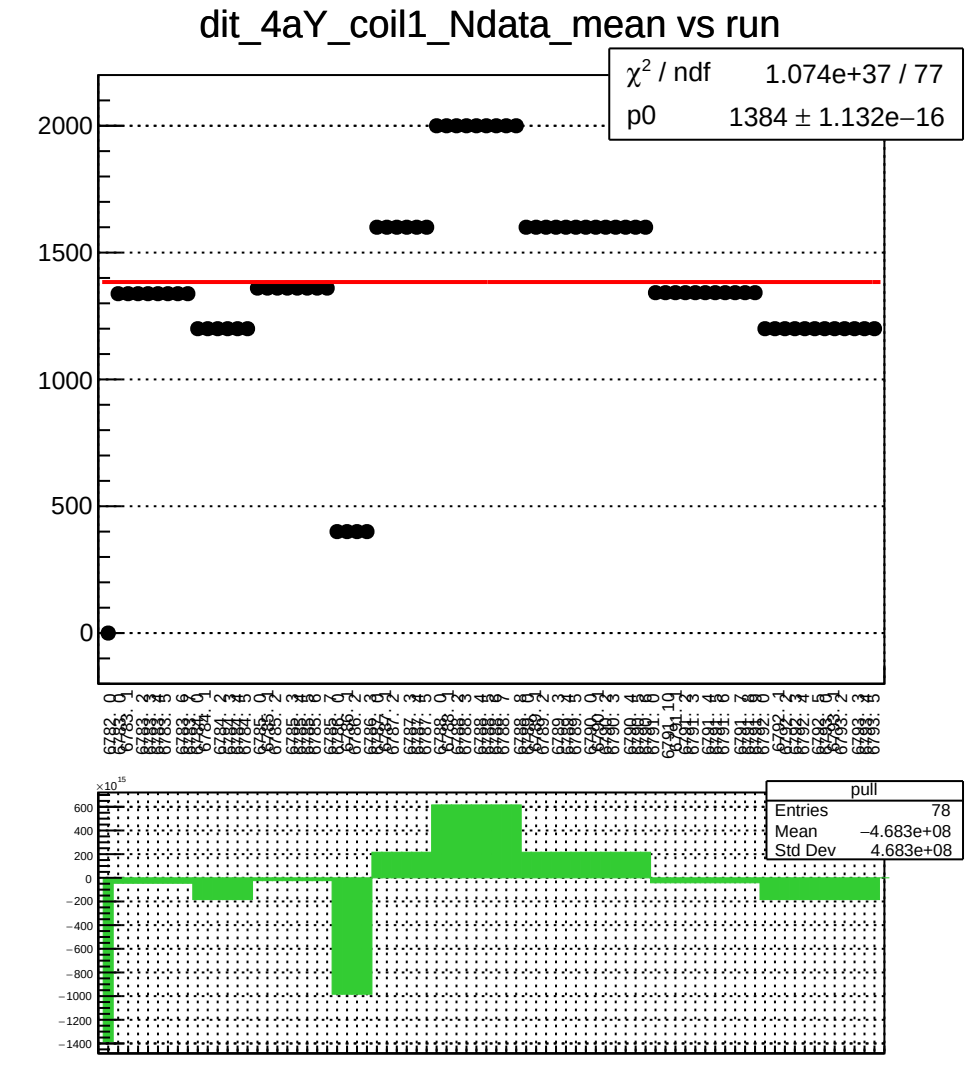

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

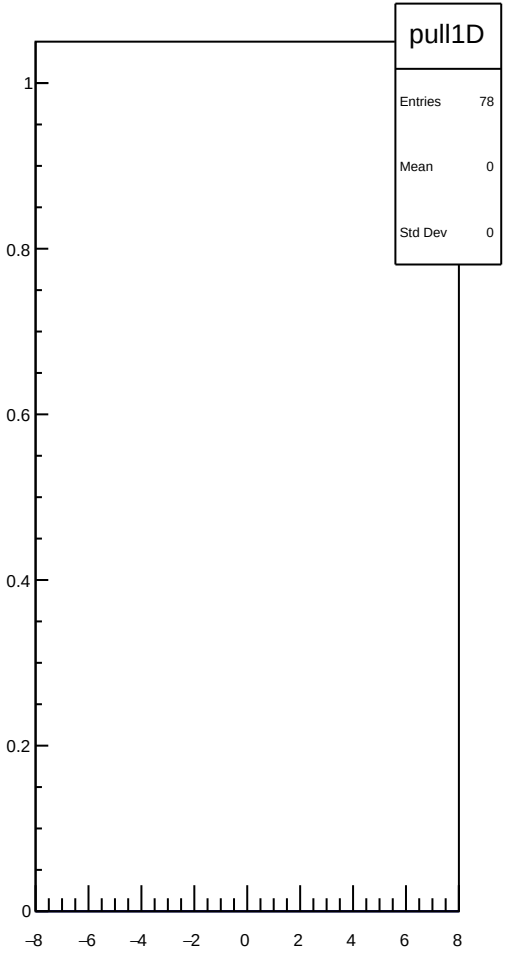

dit_4aY_coil1_mean vs run
χ² / ndf 5.351e+31 / 77
p0 2.304 ± 1.132e−16
pull
Entries 78
Mean 5.254e+08
Std Dev 5.254e+08

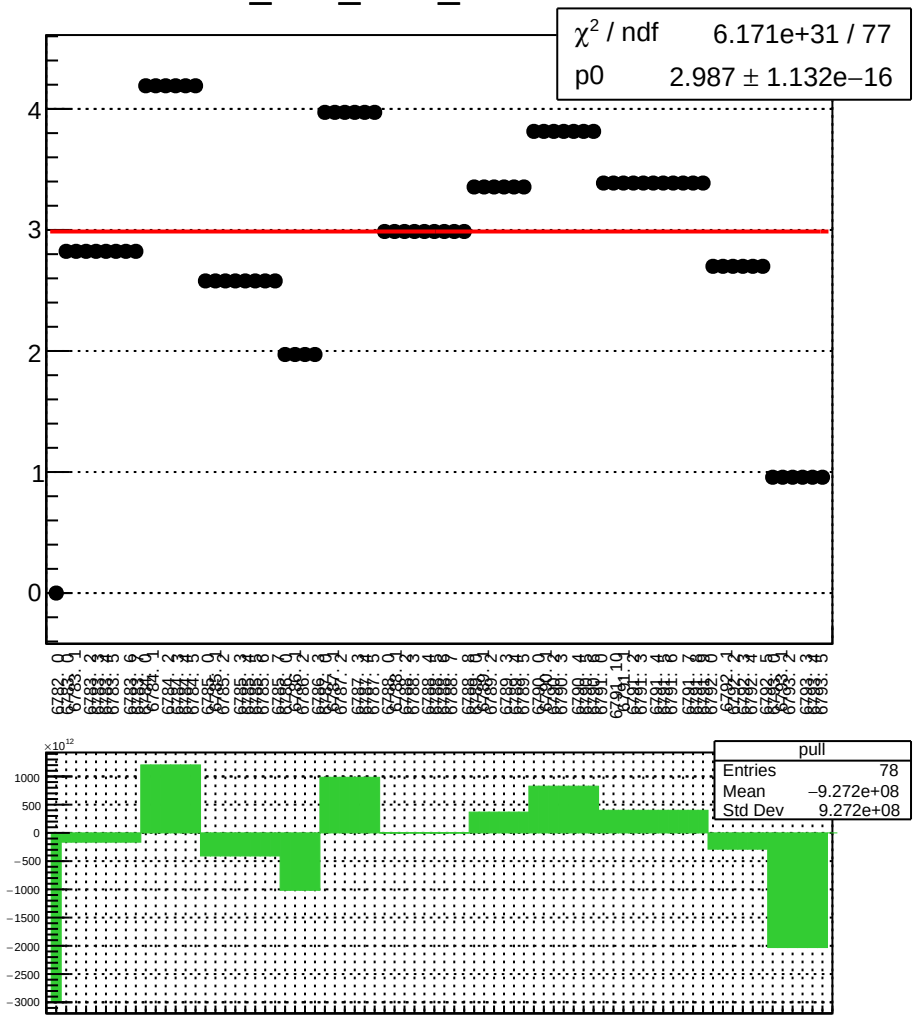

pull1D
Entries 78
Mean 0
Std Dev 0

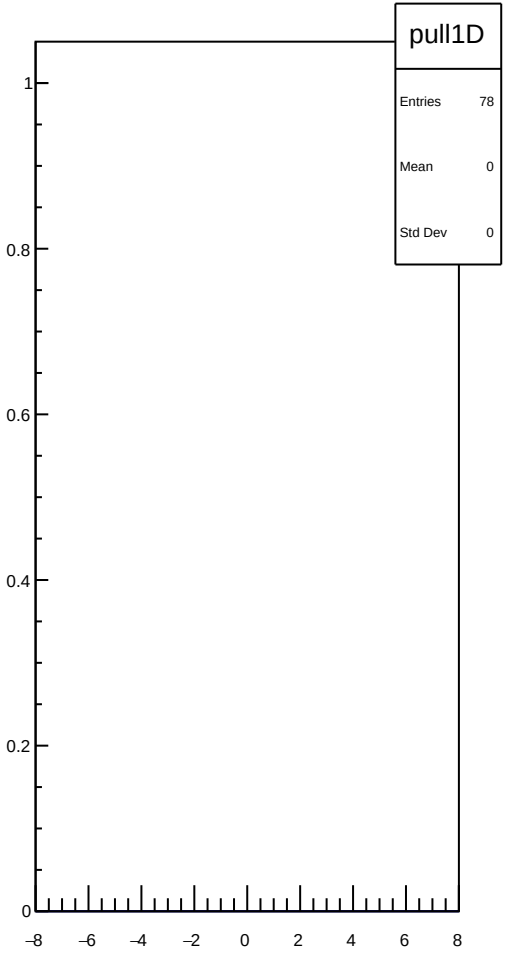

dit_4aY_coil1_err_mean vs run
χ² / ndf 1.702e+31 / 77
p0 2.223 ± 1.132e−16
pull
Entries 78
Mean −9.636e+08
Std Dev 9.636e+08

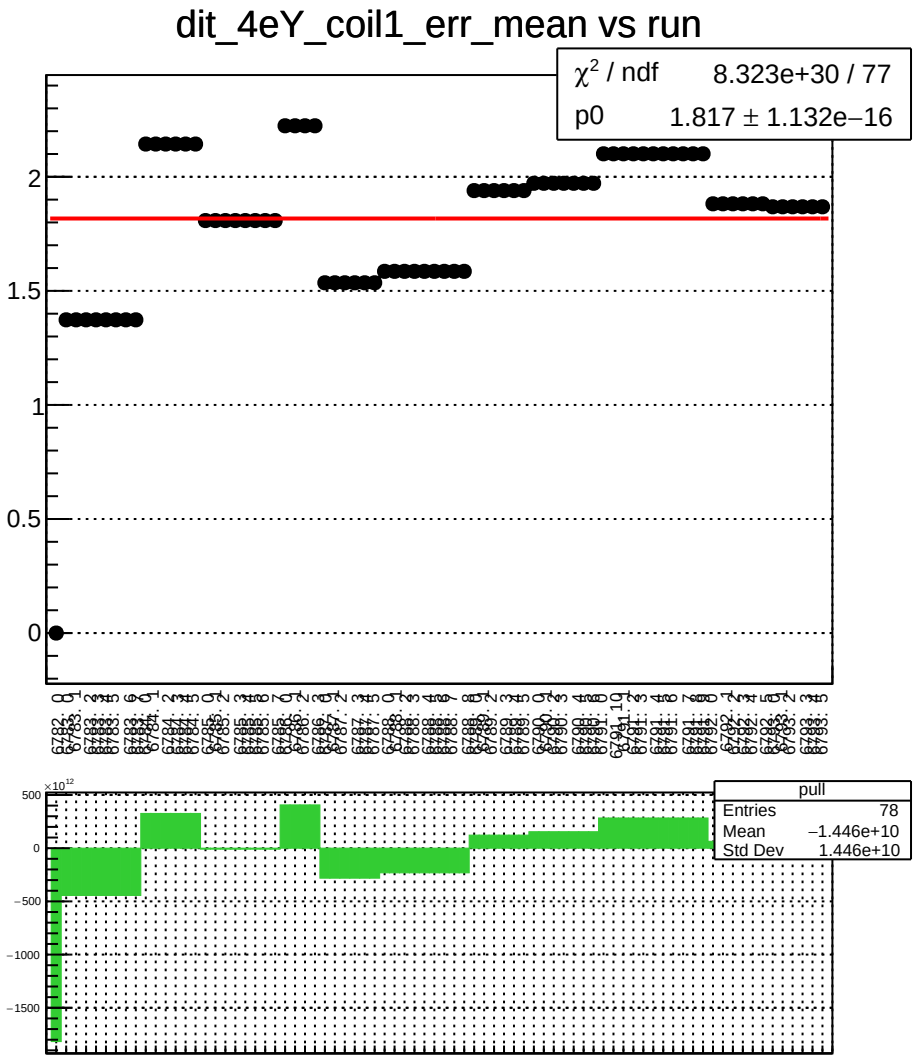

pull1D
Entries 78
Mean 0
Std Dev 0

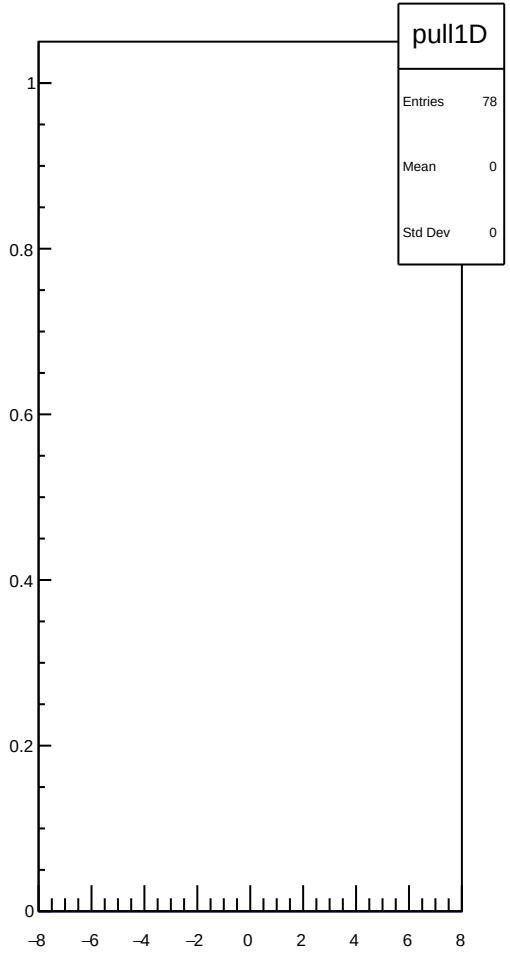

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

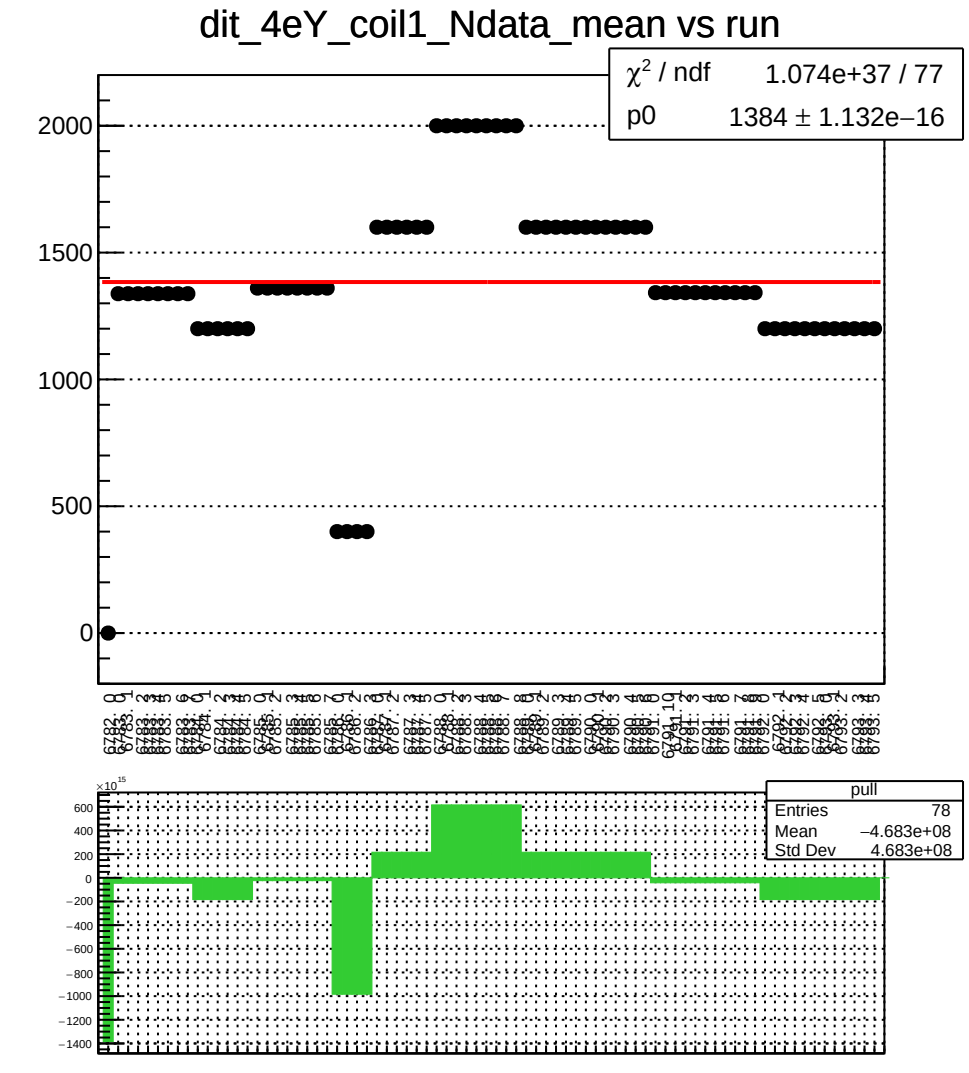

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

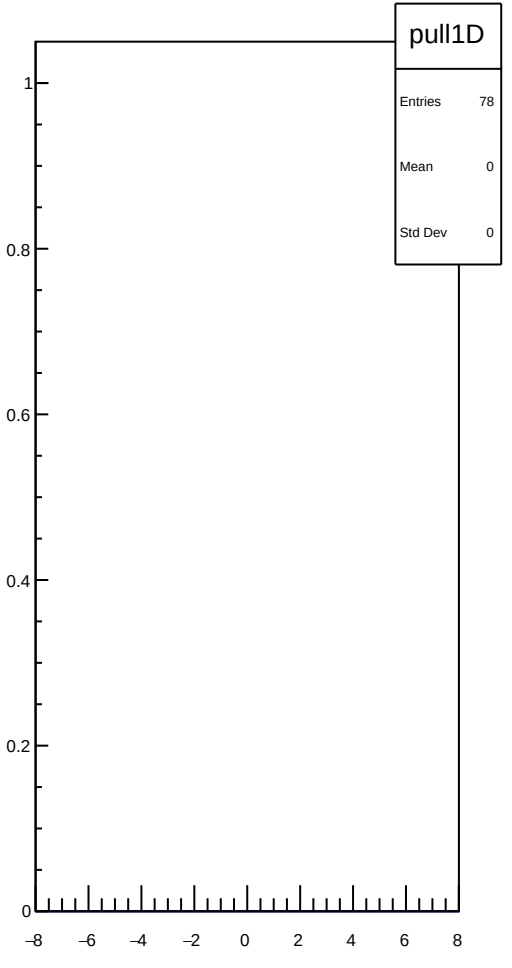

dit_4eY_coil1_mean vs run
χ² / ndf 6.171e+31 / 77
p0 2.987 ± 1.132e−16
pull
Entries 78
Mean −9.272e+08
Std Dev 9.272e+08

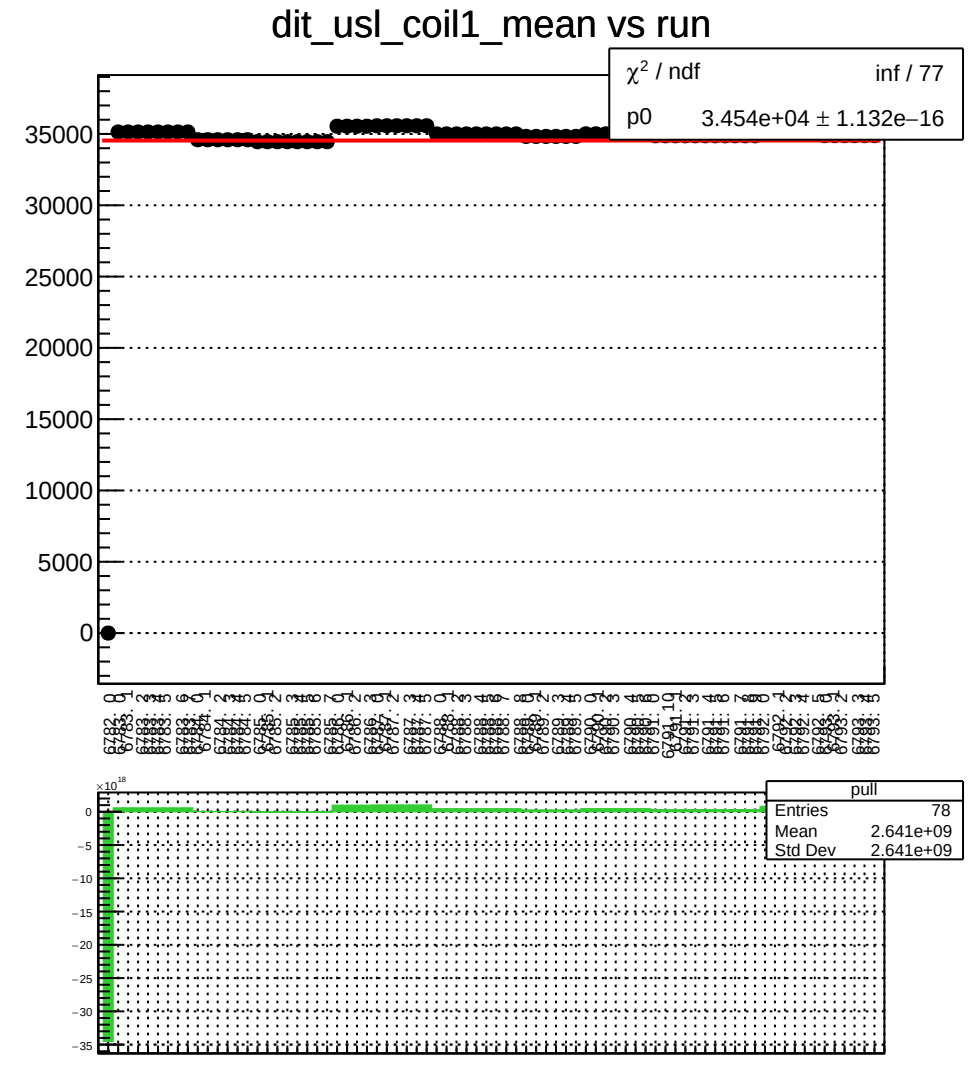

pull1D
Entries 78
Mean 0
Std Dev 0

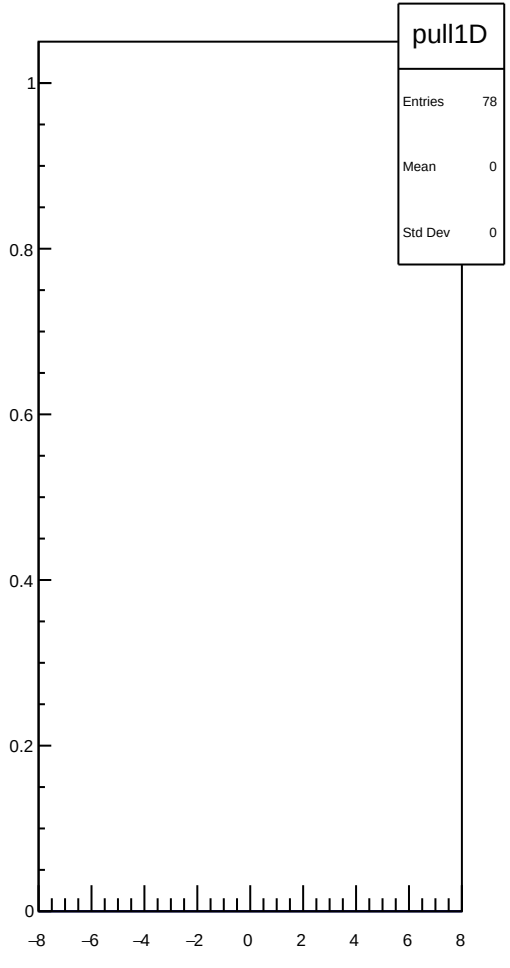

dit_4eY_coil1_err_mean vs run
χ² / ndf 8.323e+30 / 77
p0 1.817 ± 1.132e−16
pull
Entries 78
Mean −1.446e+10
Std Dev 1.446e+10

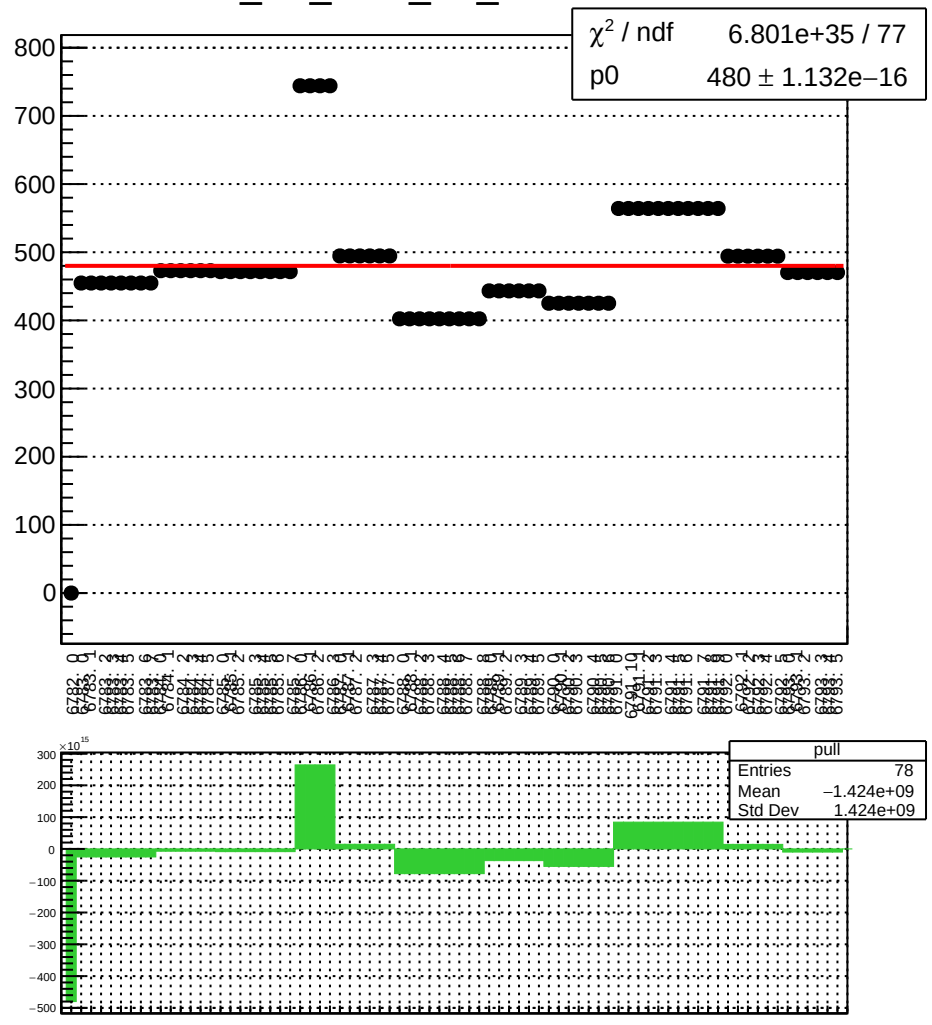

pull1D
Entries 78
Mean 0
Std Dev 0

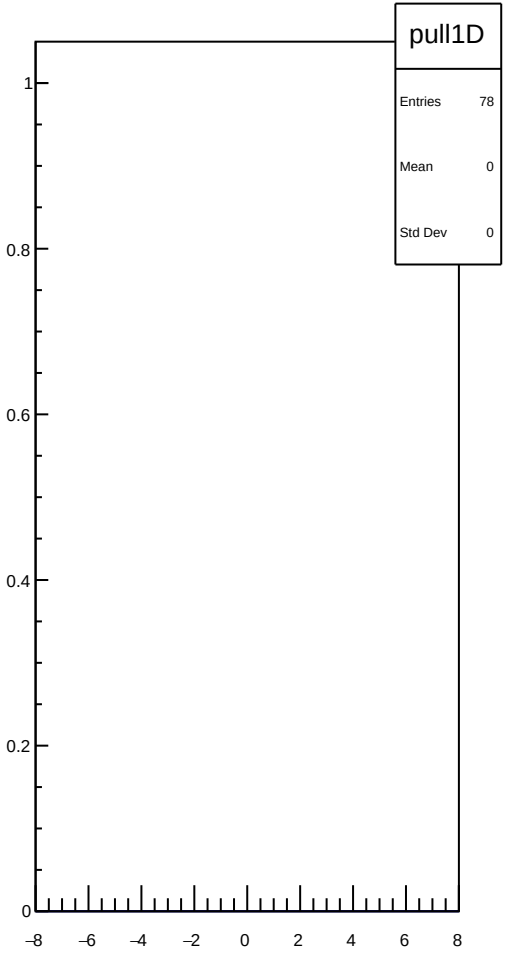

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

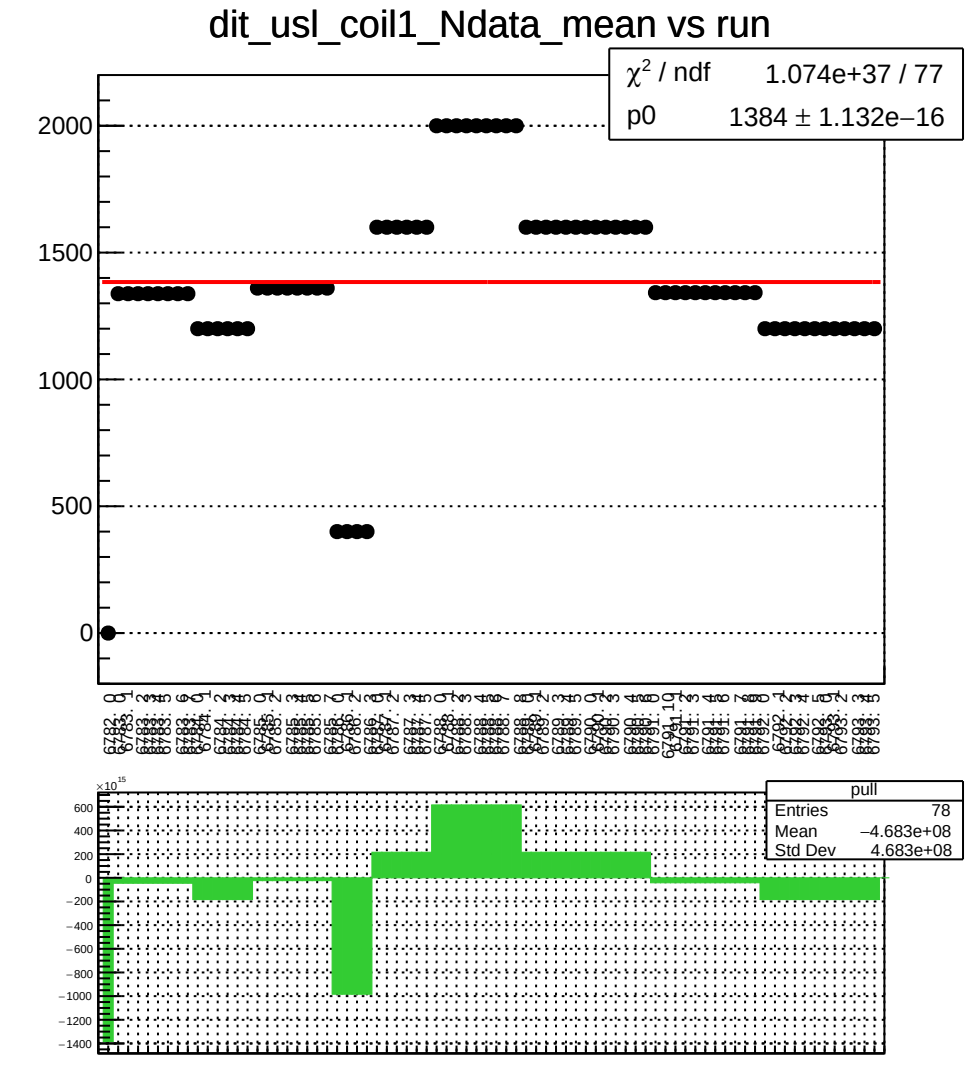

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

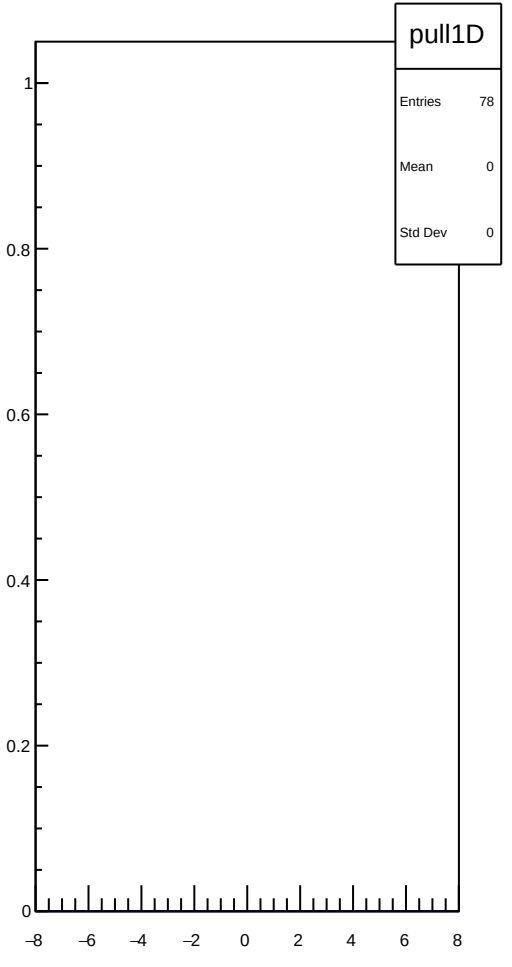

dit_usl_coil1_mean vs run
χ² / ndf inf / 77
p0 3.454e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 2.641e+09
Std Dev 2.641e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30
−35

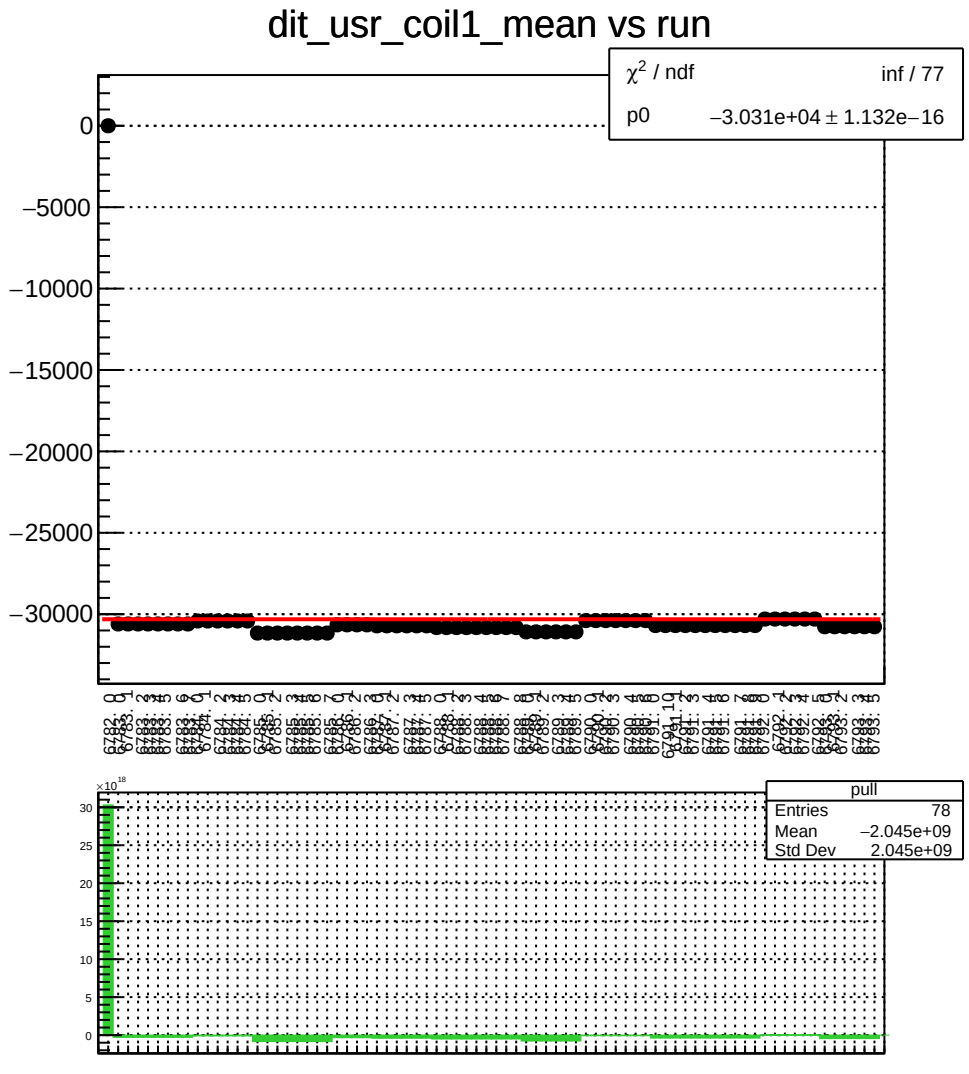

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

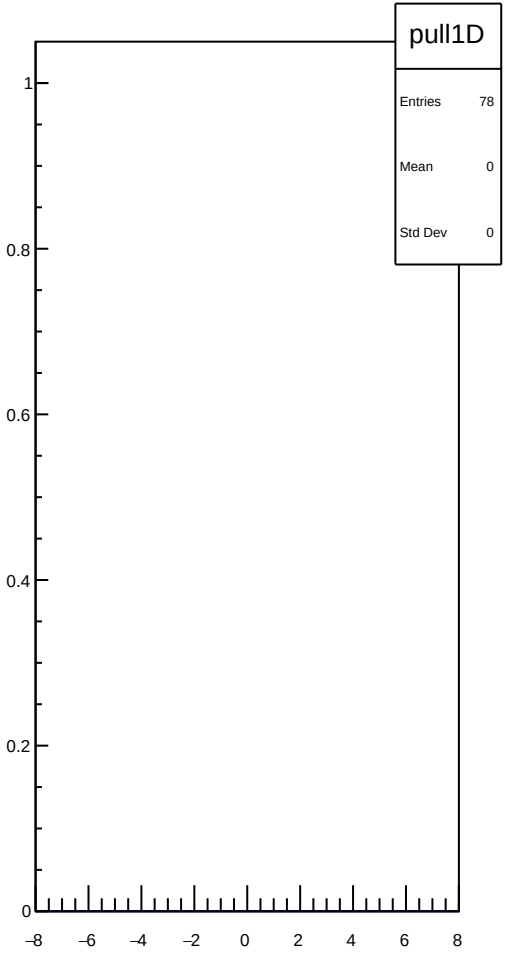

dit_usl_coil1_err_mean vs run
χ² / ndf 6.801e+35 / 77
p0 480 ± 1.132e−16
pull
Entries 78
Mean −1.424e+09
Std Dev 1.424e+09

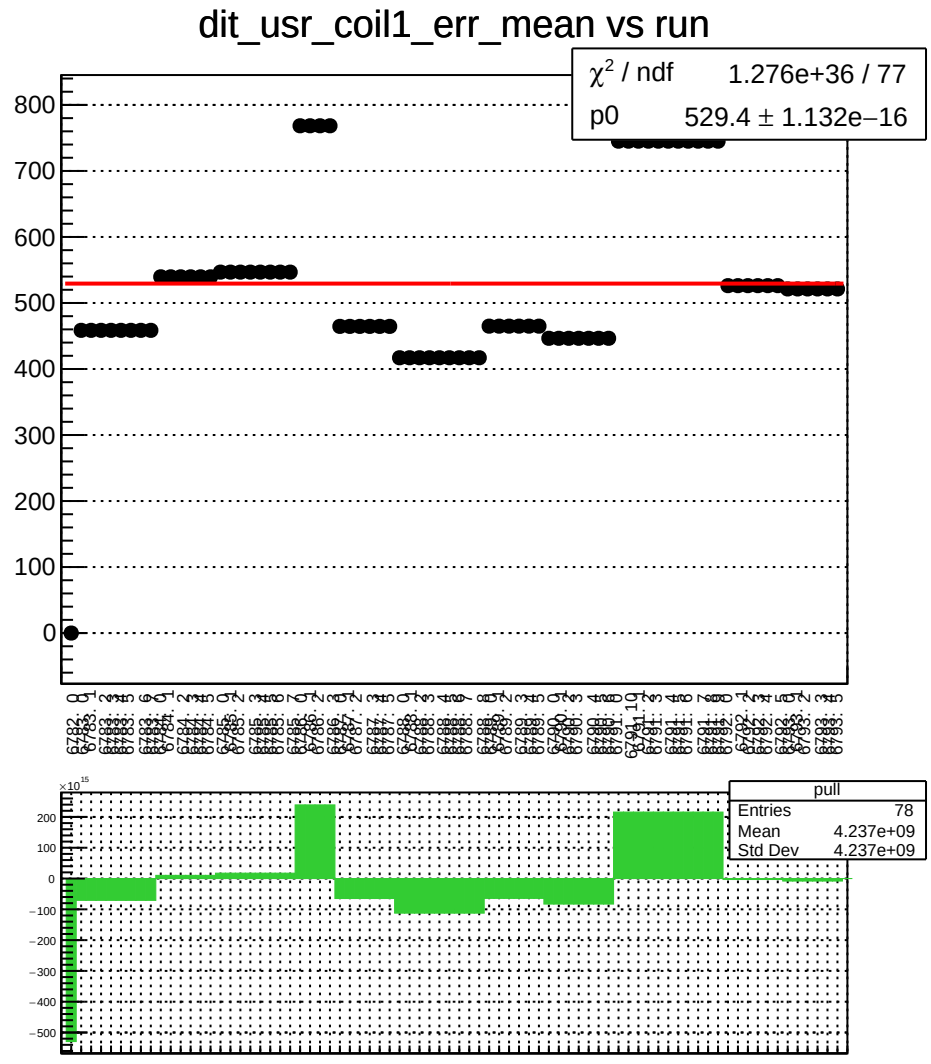

pull1D
Entries 78
Mean 0
Std Dev 0

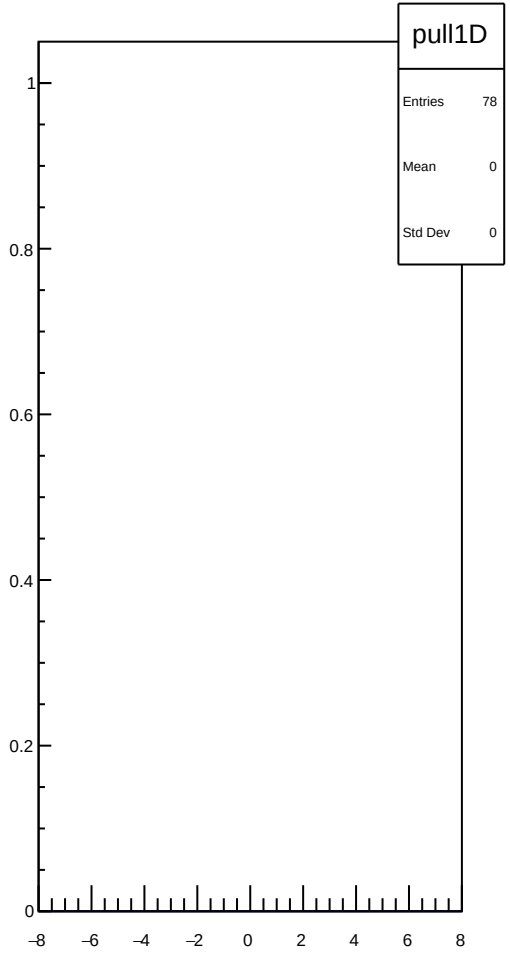

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

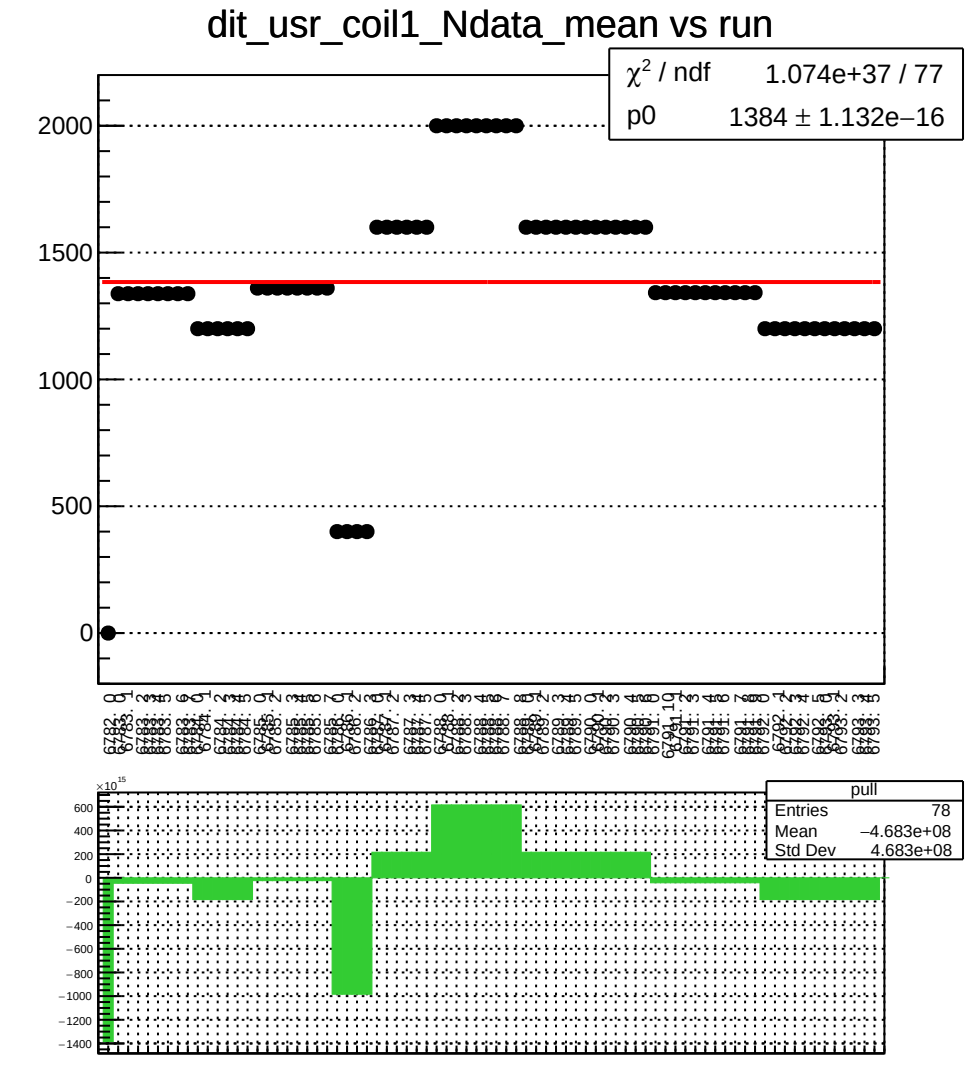

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

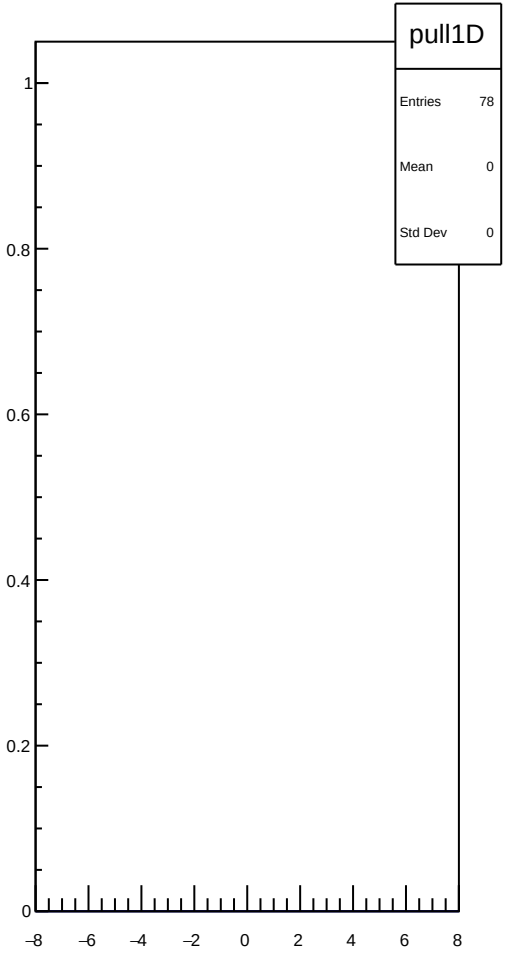

dit_usr_coil1_mean vs run
χ² / ndf inf / 77
p0 −3.031e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 78
Mean −2.045e+09
Std Dev 2.045e+09
×10¹⁸
30
25
20
15
10
5
0

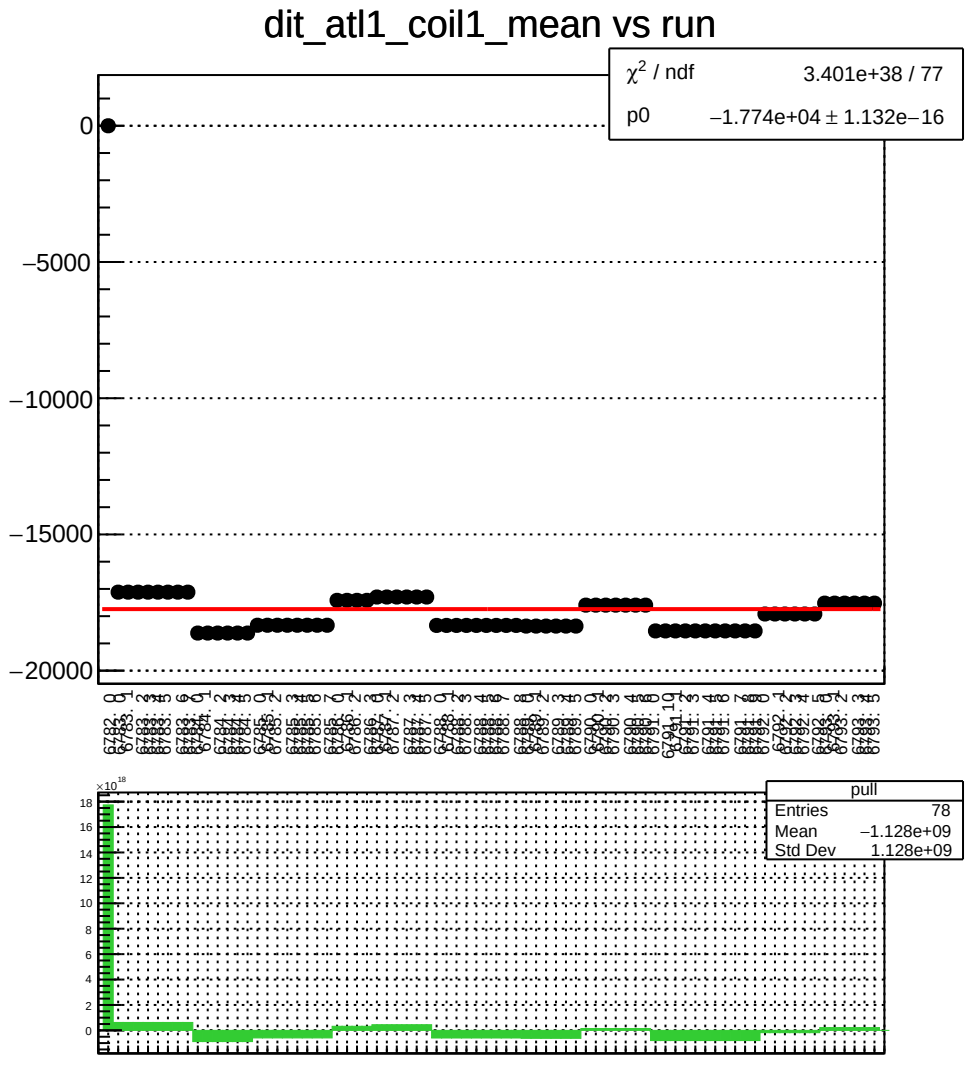

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

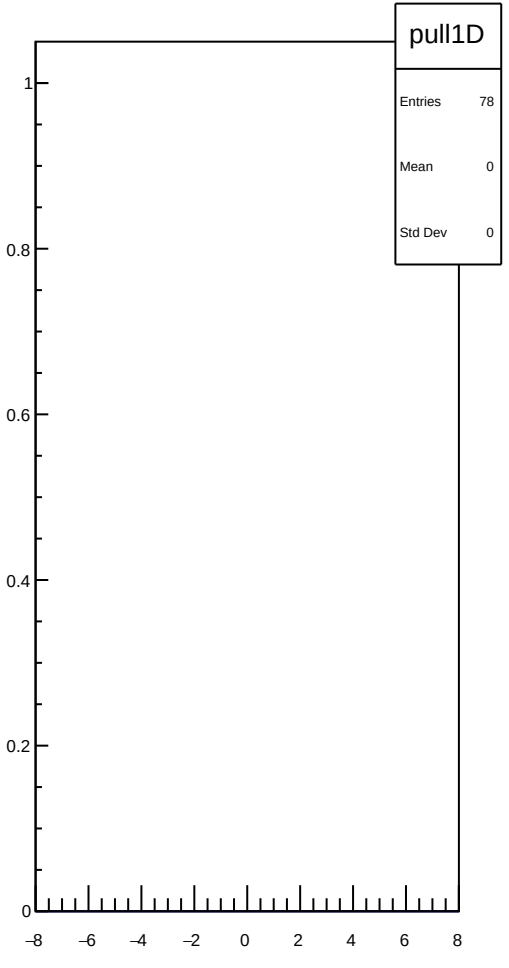

dit_usr_coil1_err_mean vs run
χ² / ndf 1.276e+36 / 77
p0 529.4 ± 1.132e−16
pull
Entries 78
Mean 4.237e+09
Std Dev 4.237e+09

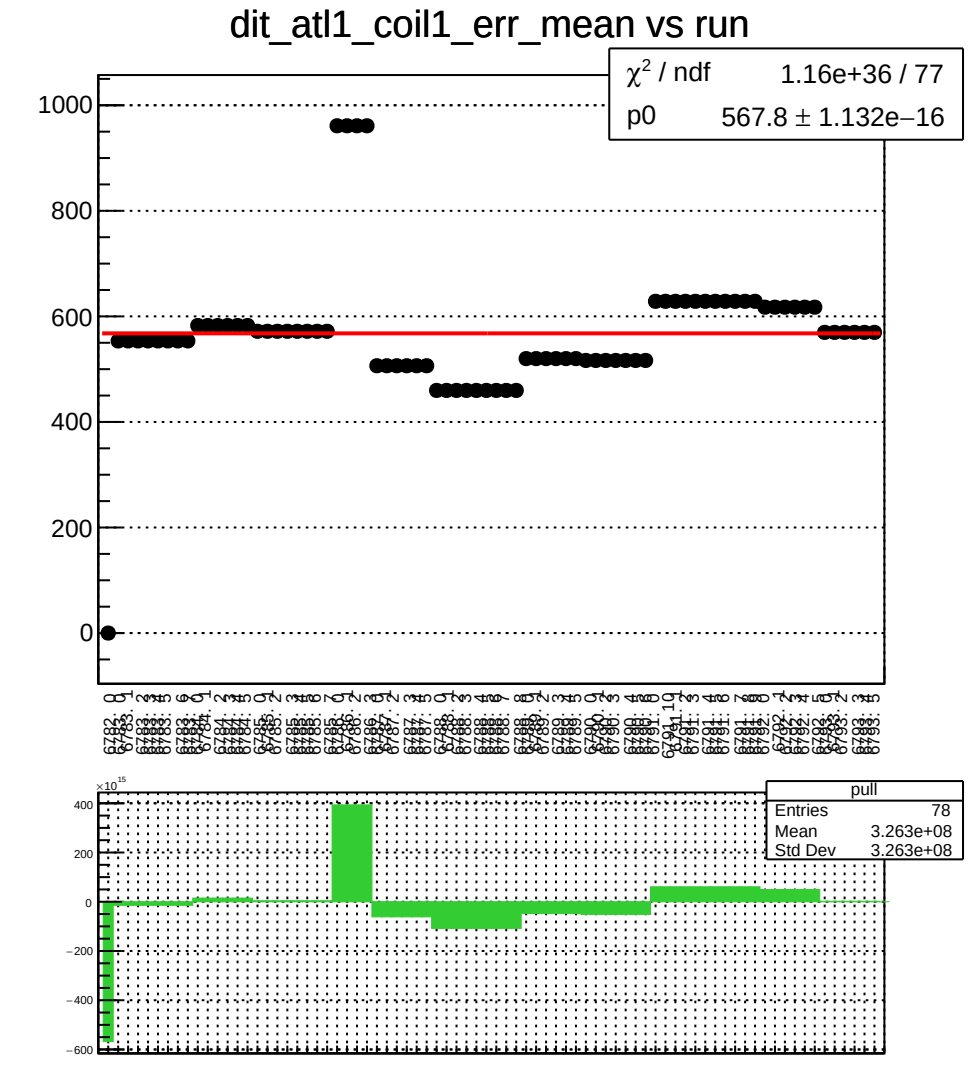

pull1D
Entries 78
Mean 0
Std Dev 0

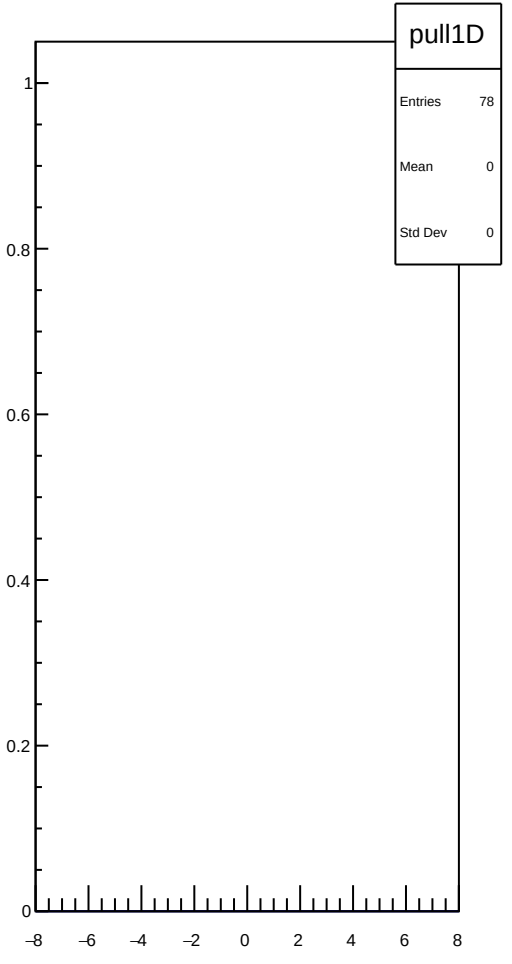

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

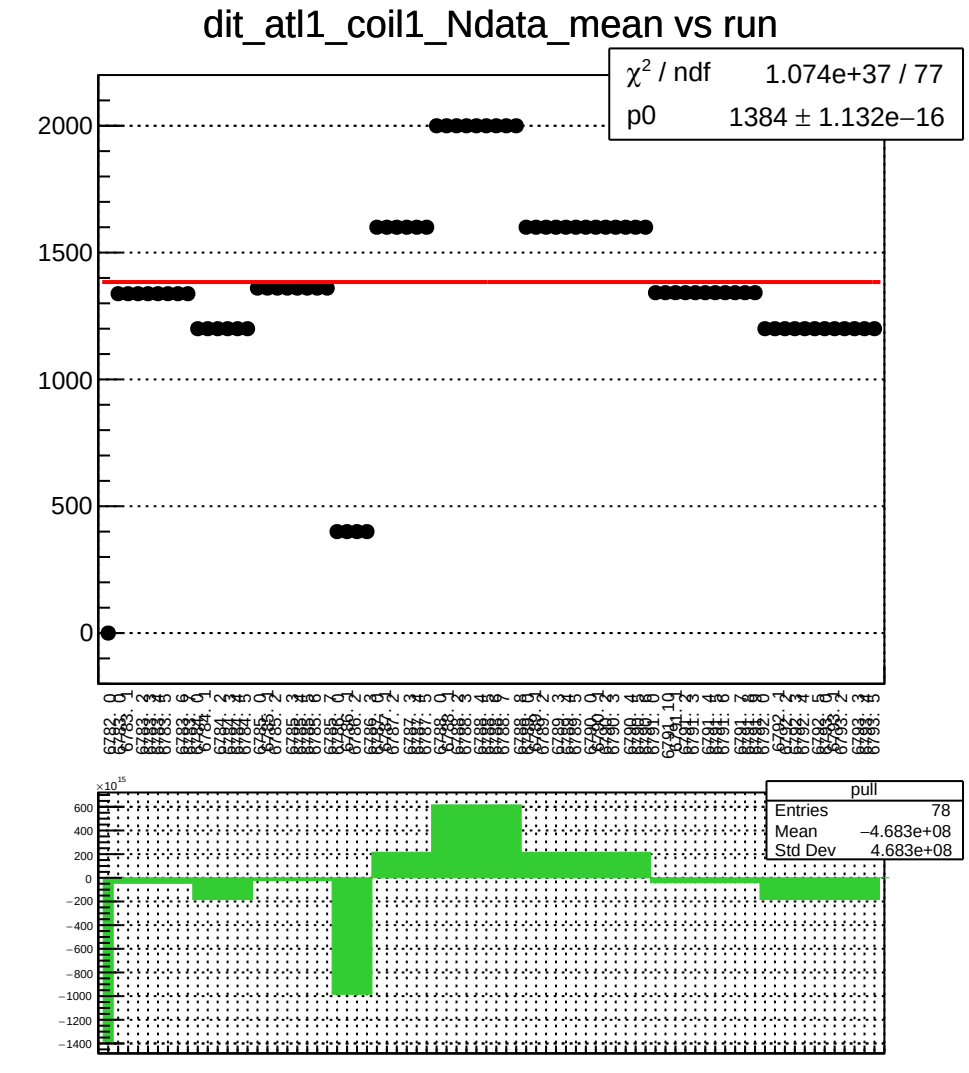

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

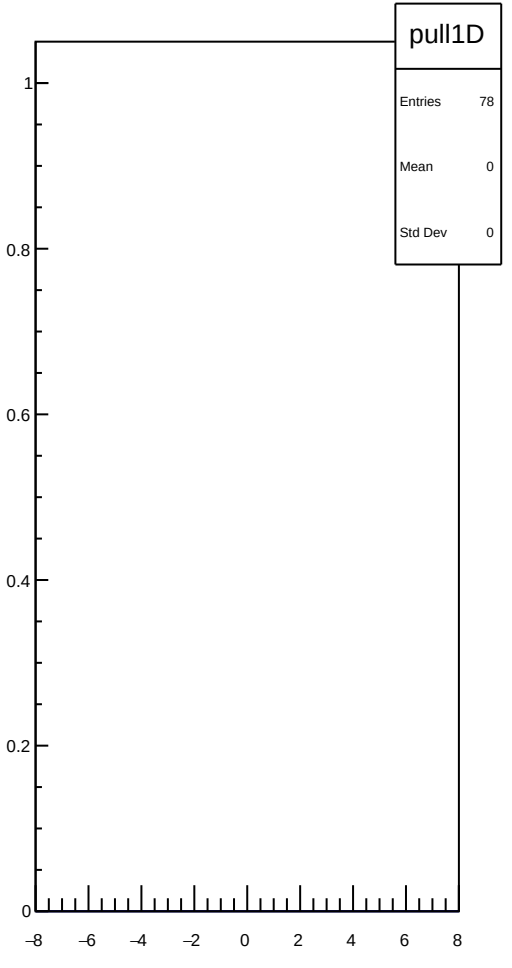

dit_atl1_coil1_mean vs run
χ² / ndf 3.401e+38 / 77
p0 −1.774e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
pull
Entries 78
Mean −1.128e+09
Std Dev 1.128e+09
×10¹⁸
18
16
14
12
10
8
6
4
2
0

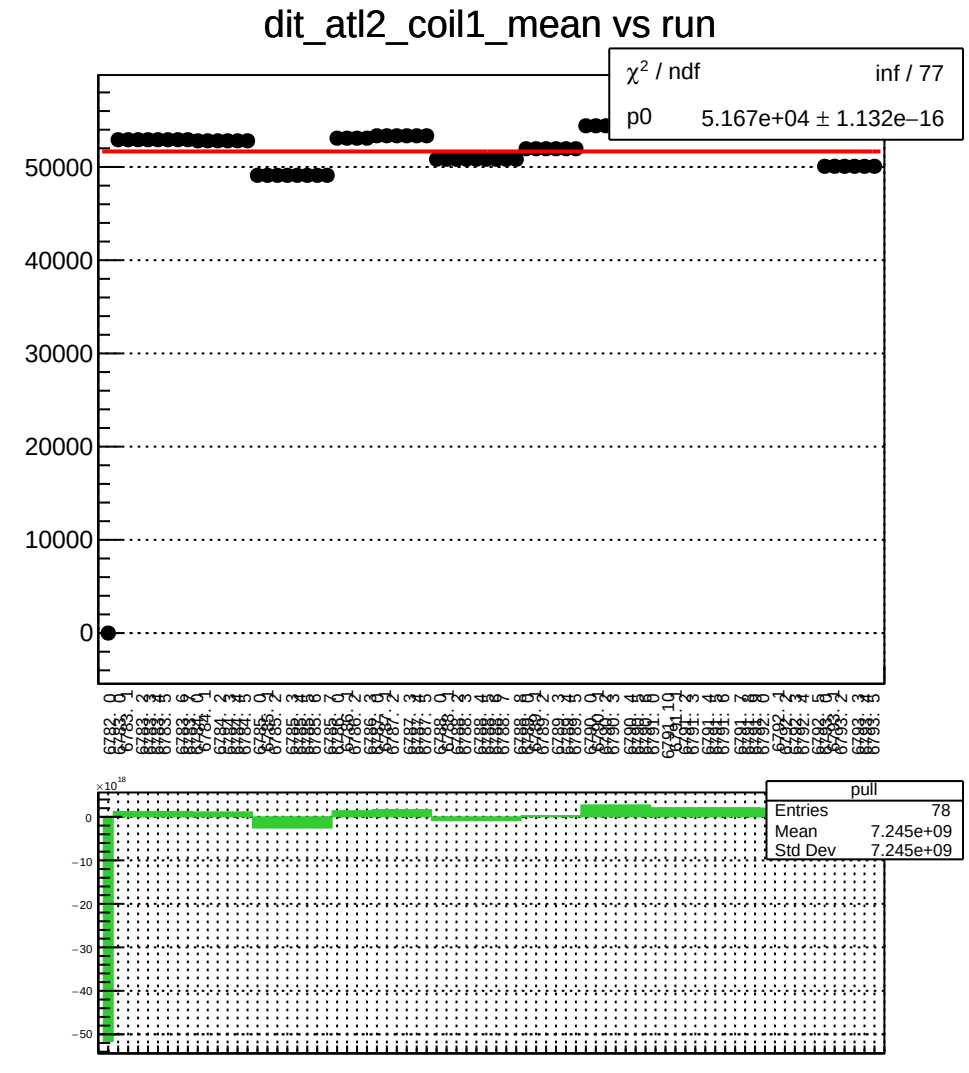

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

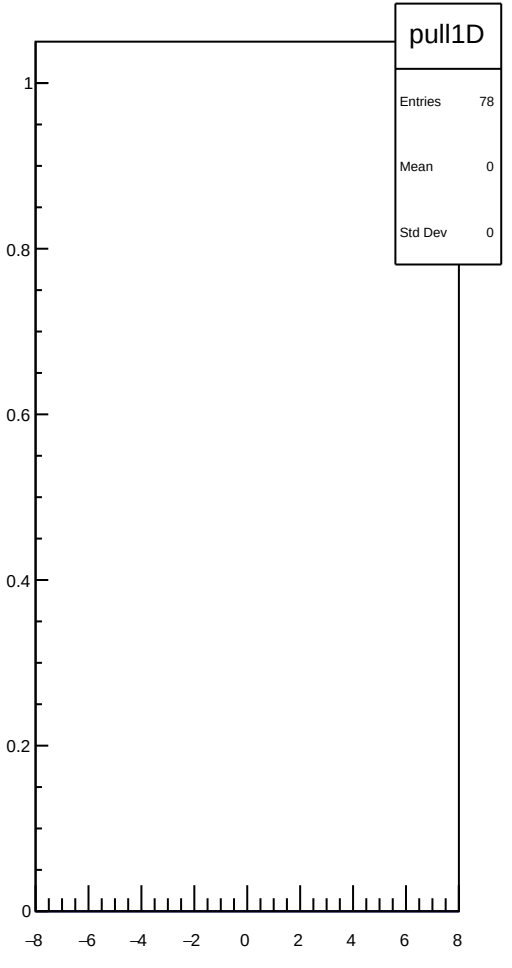

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.16e+36 / 77
p0 567.8 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 3.263e+08
Std Dev 3.263e+08
×10¹⁵
400
200
0
−200
−400
−600

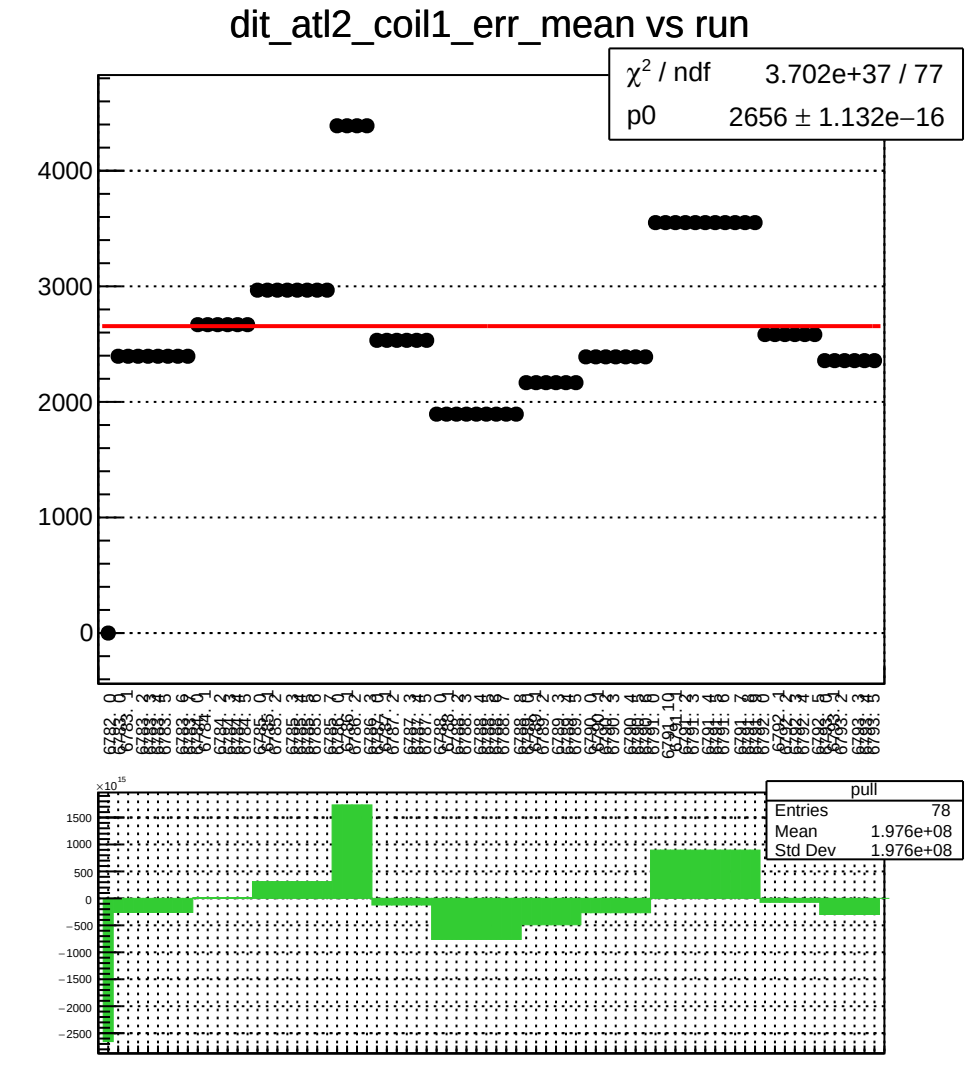

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

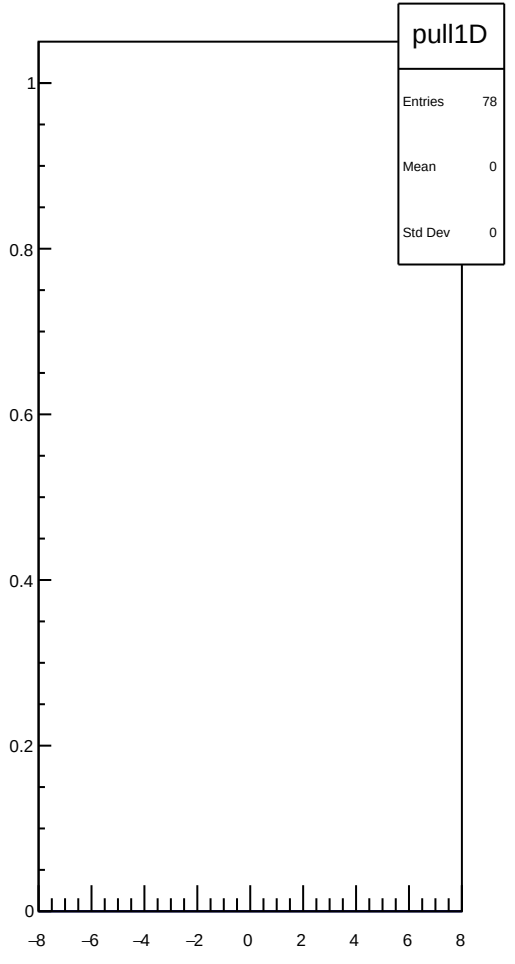

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

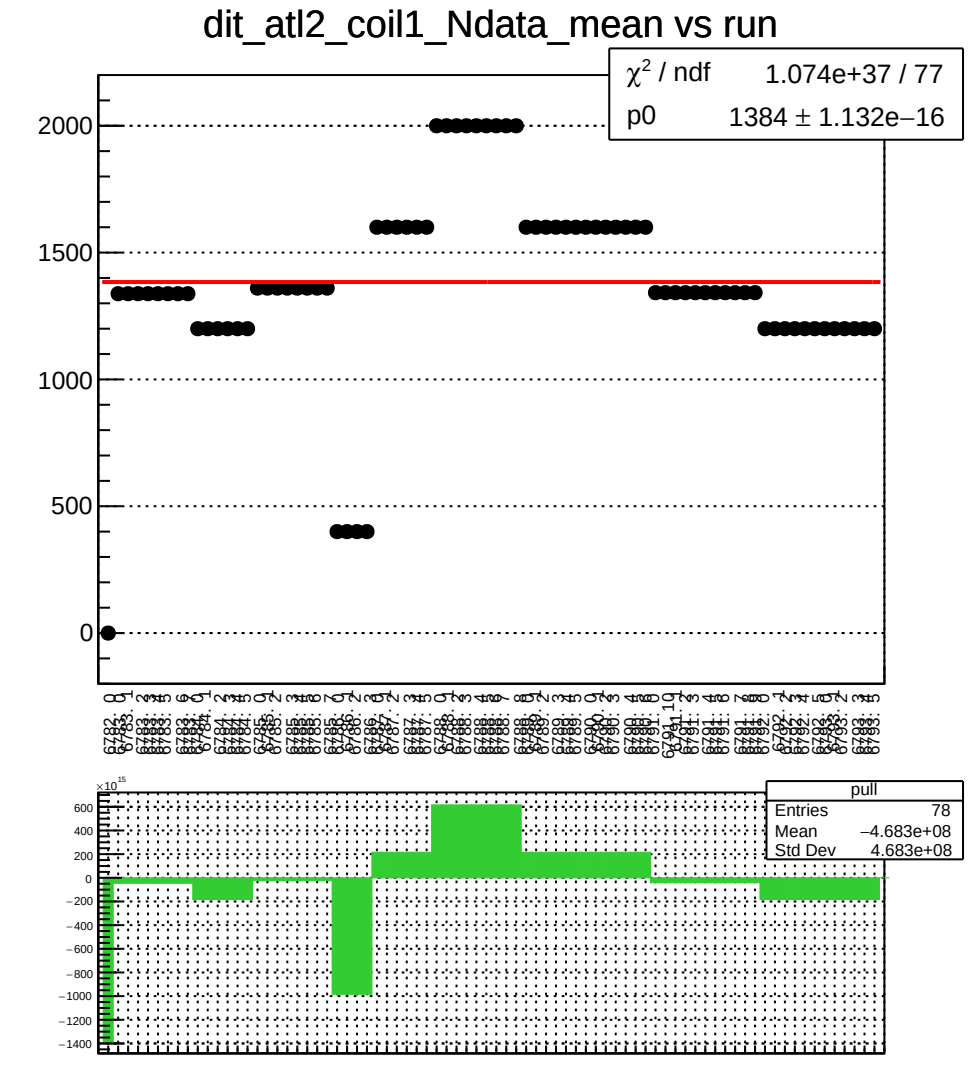

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

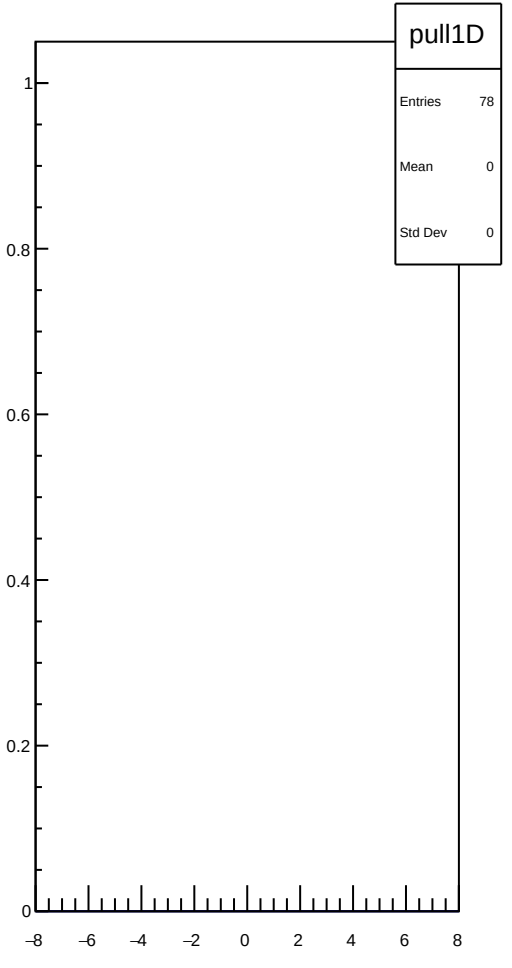

dit_atl2_coil1_mean vs run
χ² / ndf inf / 77
p0 5.167e+04 ± 1.132e−16
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 7.245e+09
Std Dev 7.245e+09
×10¹⁸
0
−10
−20
−30
−40
−50

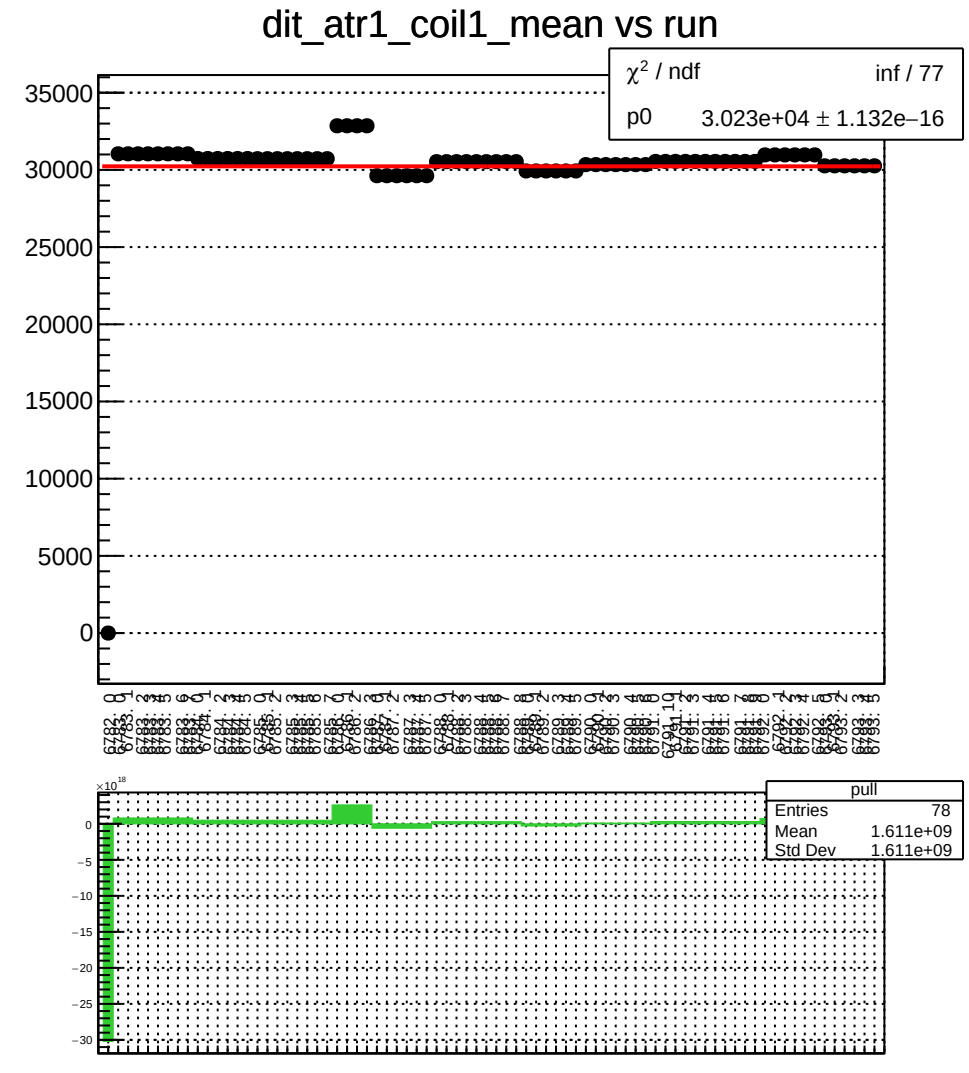

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

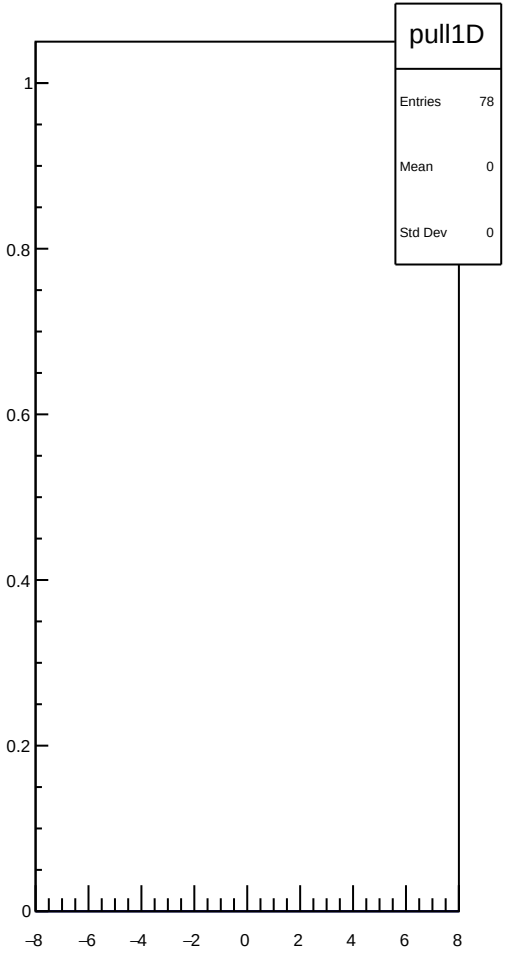

dit_atl2_coil1_err_mean vs run
χ² / ndf 3.702e+37 / 77
p0 2656 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean 1.976e+08
Std Dev 1.976e+08
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

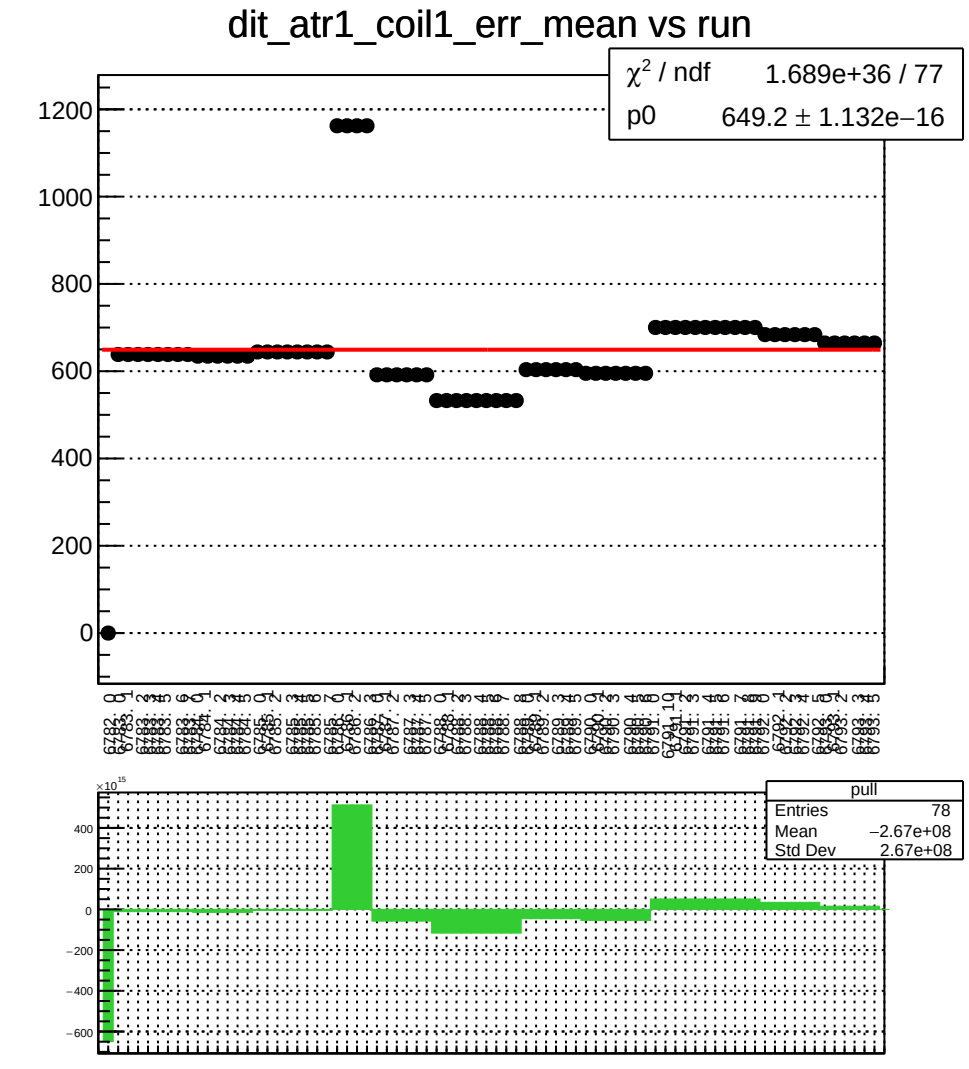

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

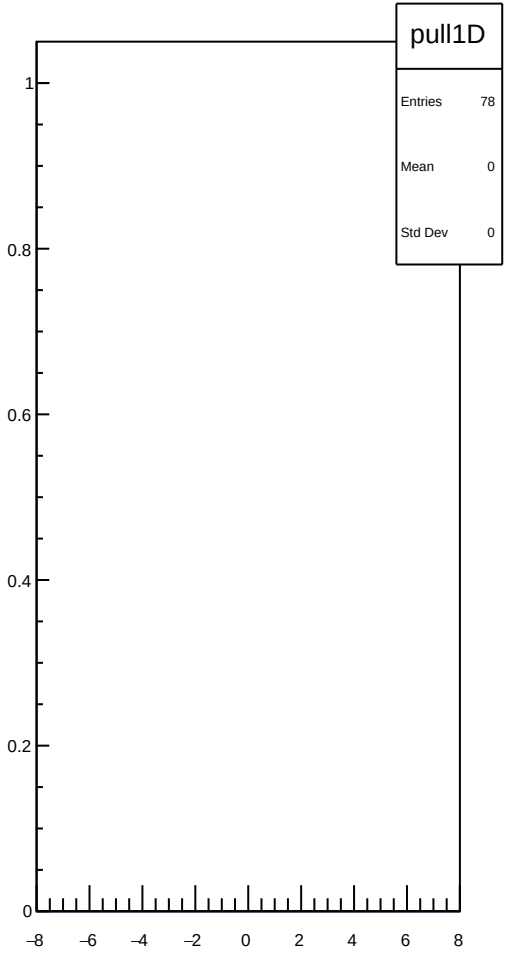

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

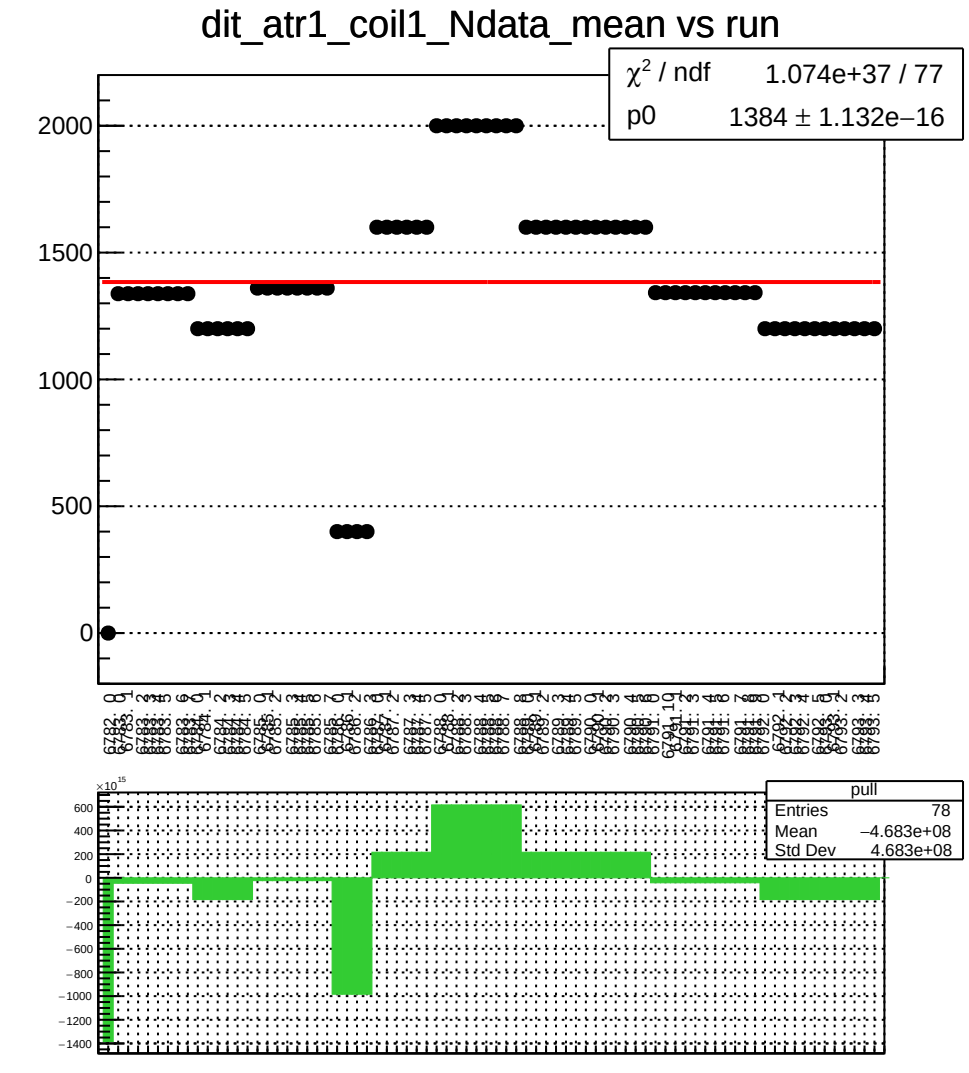

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

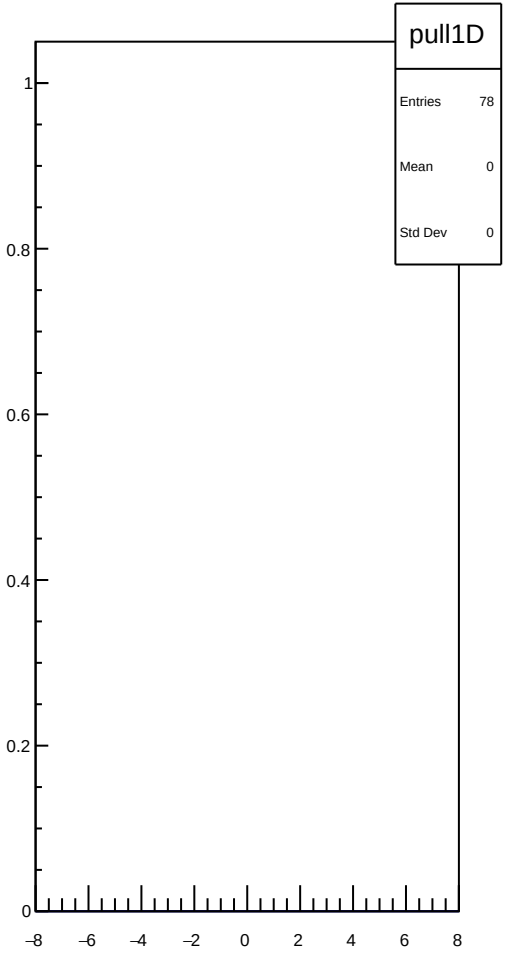

dit_atr1_coil1_mean vs run
χ² / ndf inf / 77
p0 3.023e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 1.611e+09
Std Dev 1.611e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30

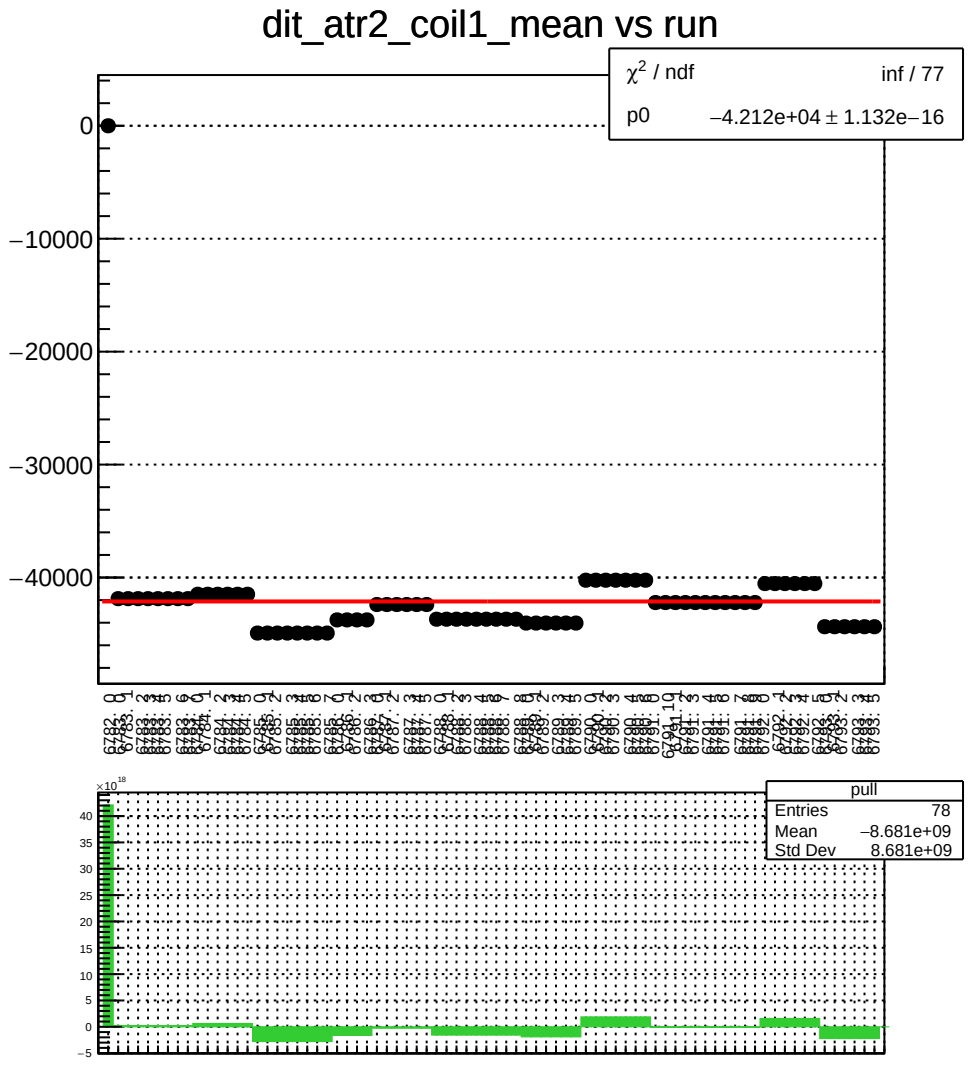

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

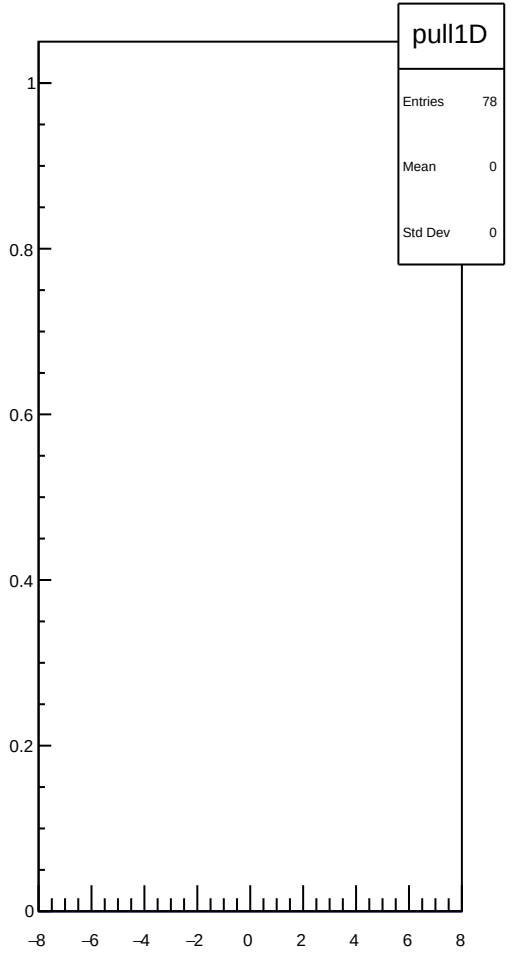

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.689e+36 / 77
p0 649.2 ± 1.132e−16
pull
Entries 78
Mean −2.67e+08
Std Dev 2.67e+08

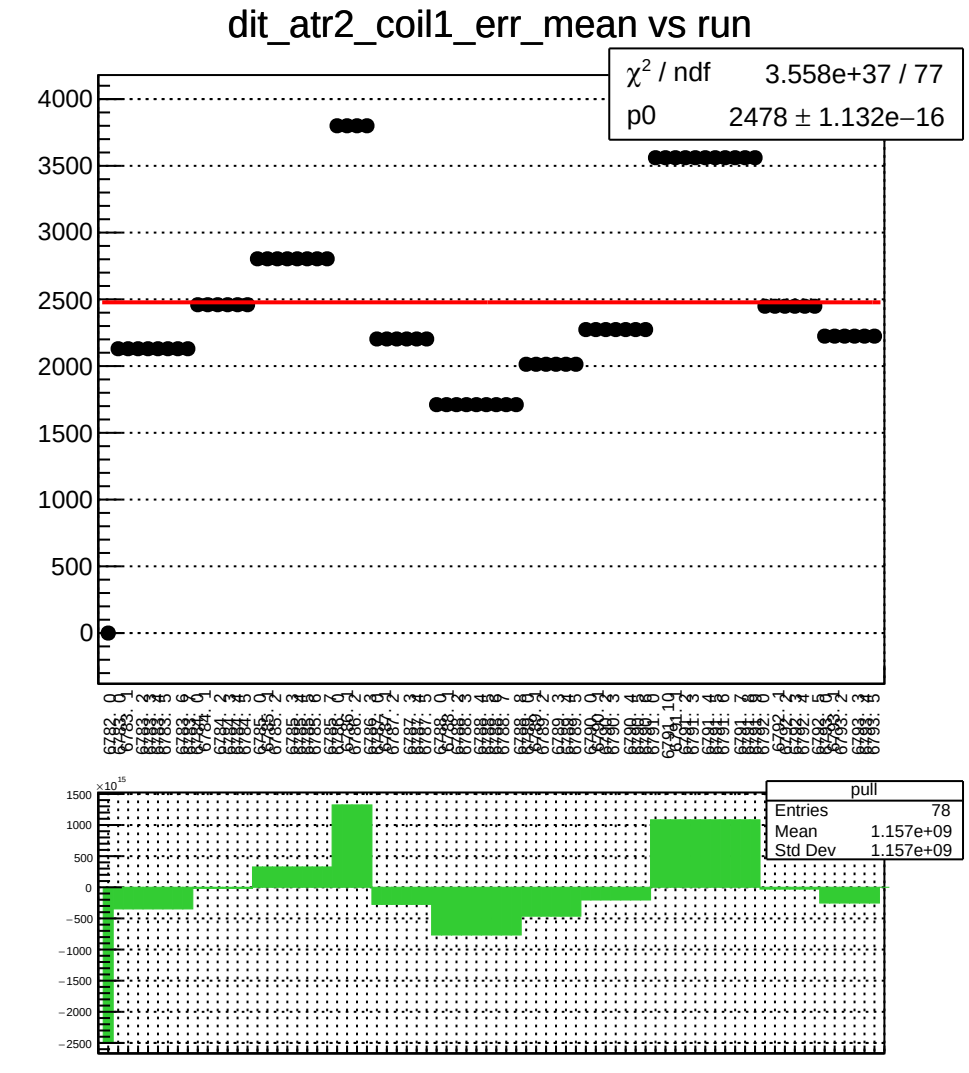

pull1D
Entries 78
Mean 0
Std Dev 0

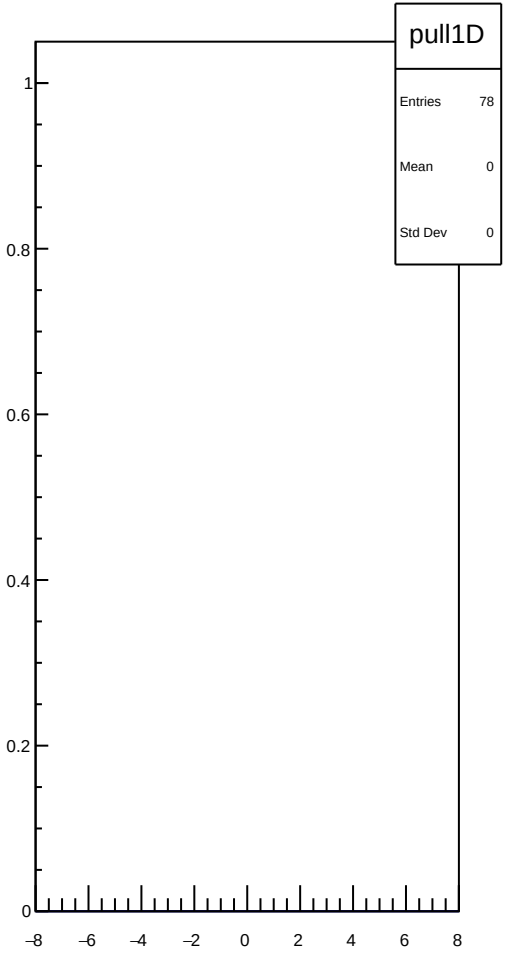

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

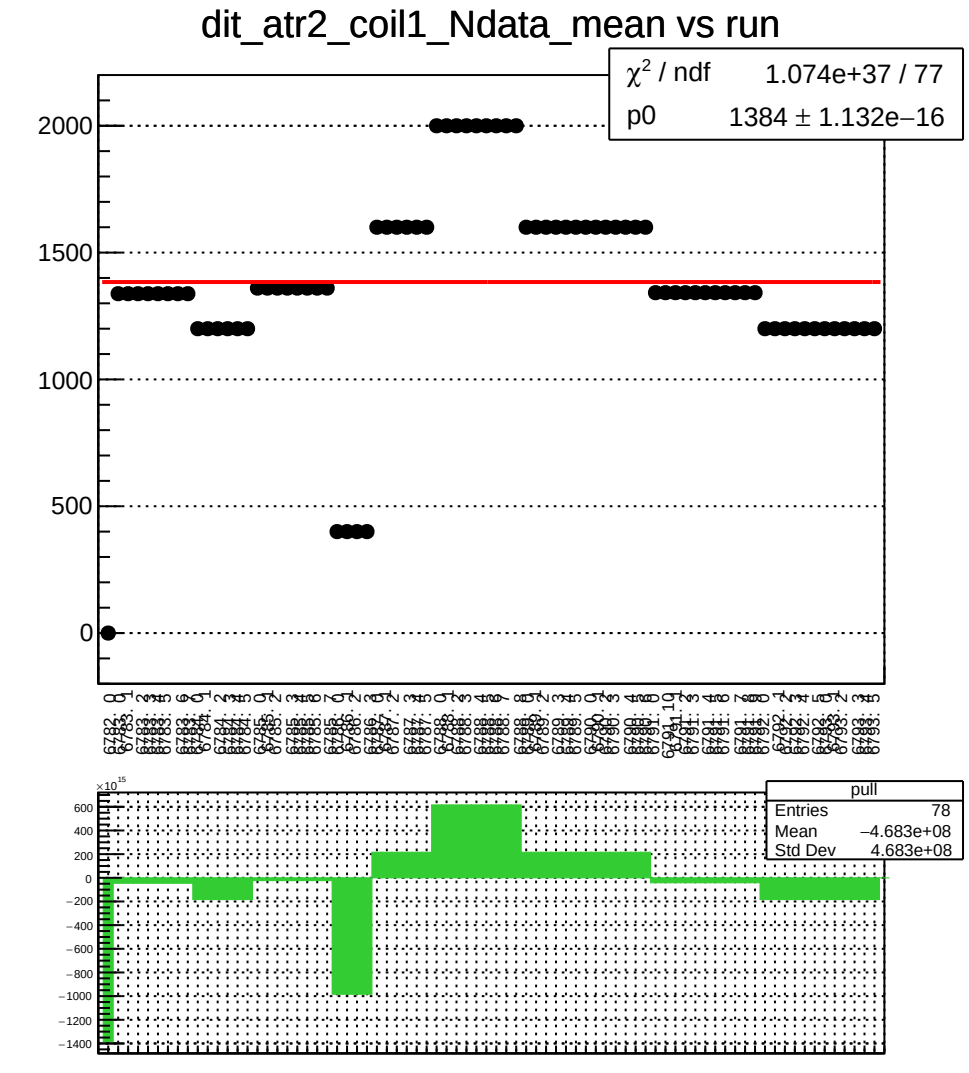

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

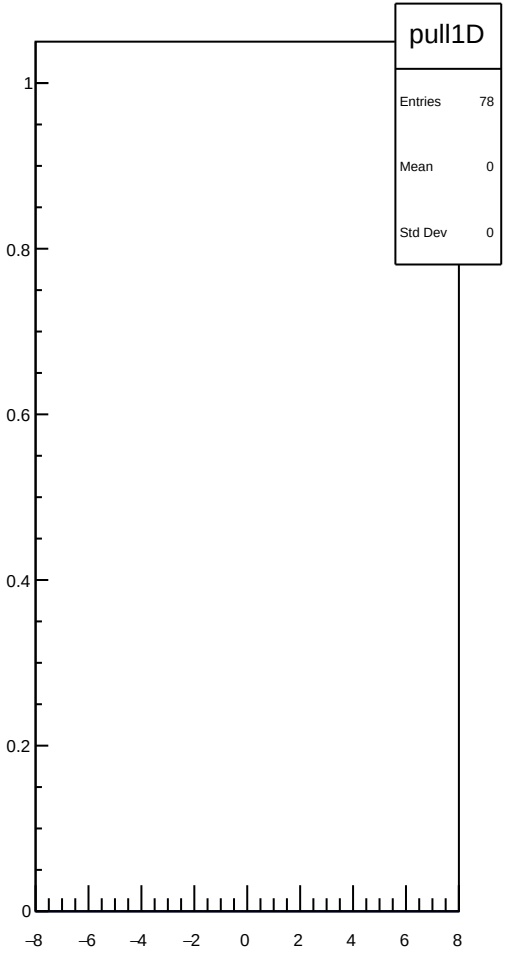

dit_atr2_coil1_mean vs run
χ² / ndf inf / 77
p0 −4.212e+04 ± 1.132e−16
0
−10000
−20000
−30000
−40000
pull
Entries 78
Mean −8.681e+09
Std Dev 8.681e+09
×10¹⁸
40
35
30
25
20
15
10
5
0
−5

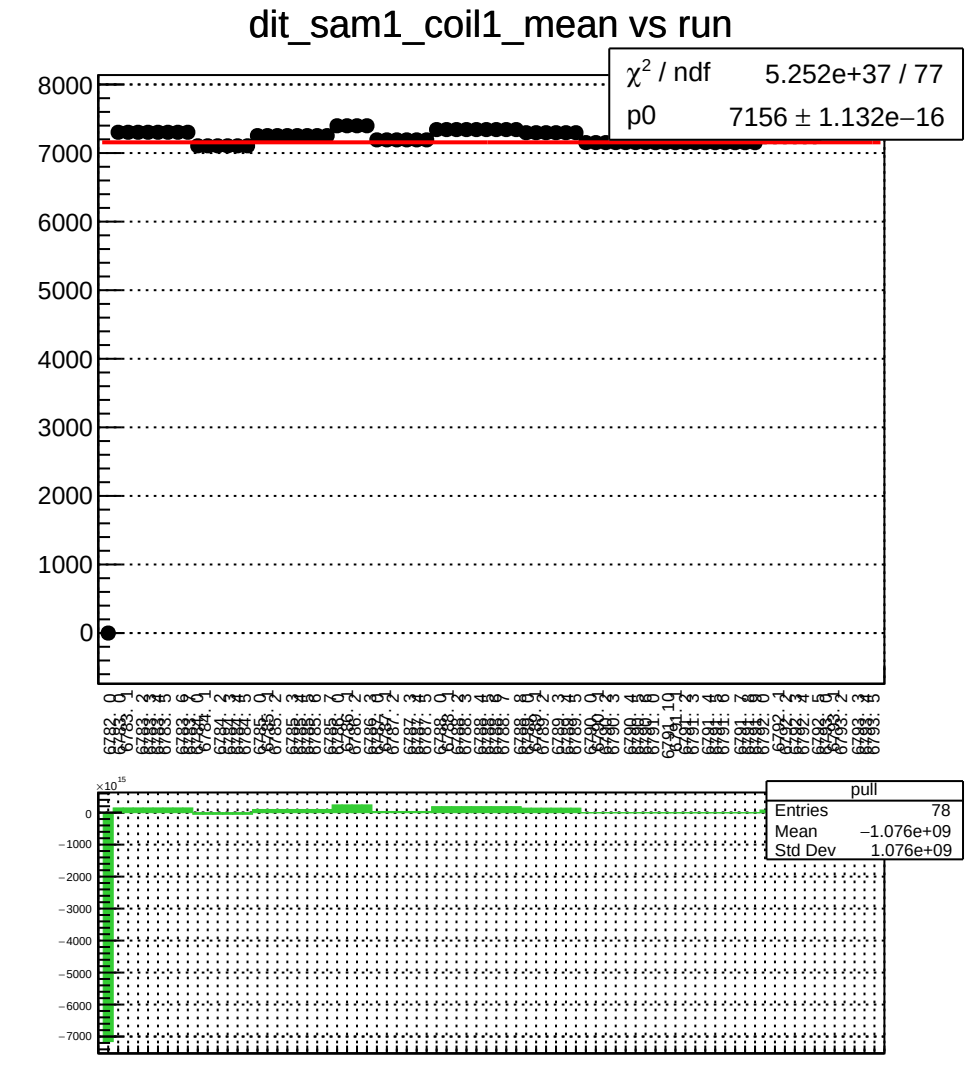

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

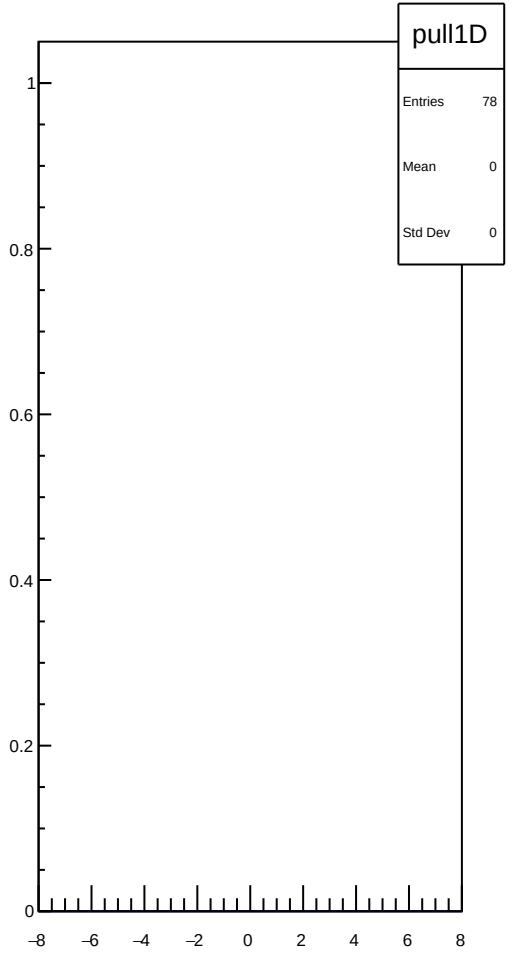

dit_atr2_coil1_err_mean vs run
χ² / ndf 3.558e+37 / 77
p0 2478 ± 1.132e−16
pull
Entries 78
Mean 1.157e+09
Std Dev 1.157e+09

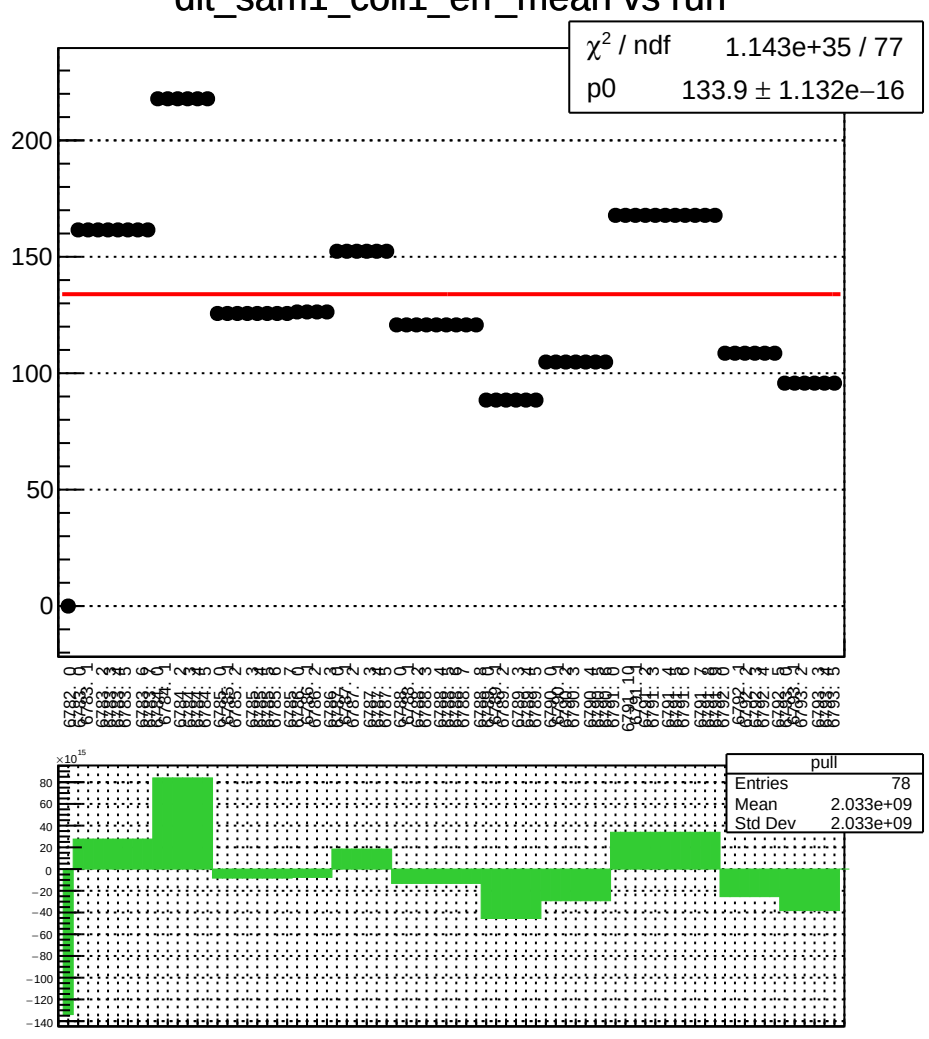

pull1D
Entries 78
Mean 0
Std Dev 0

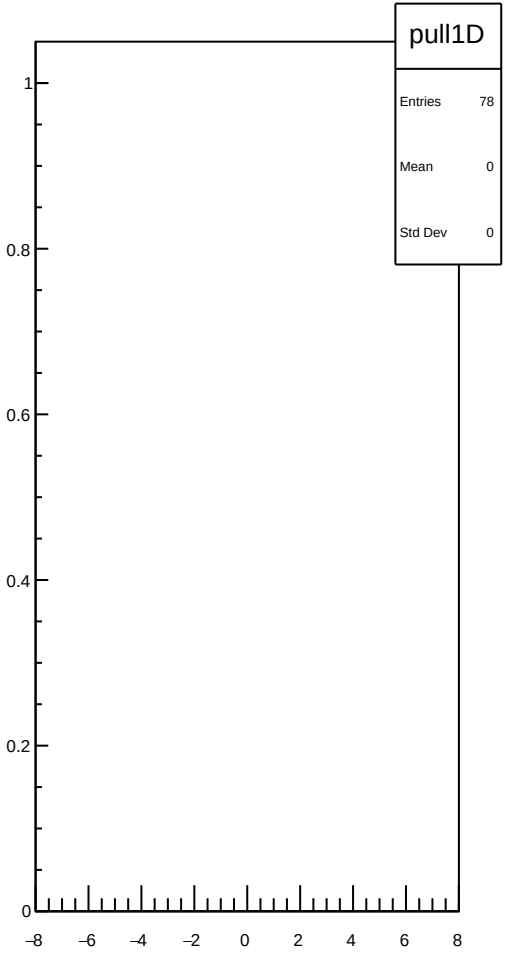

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

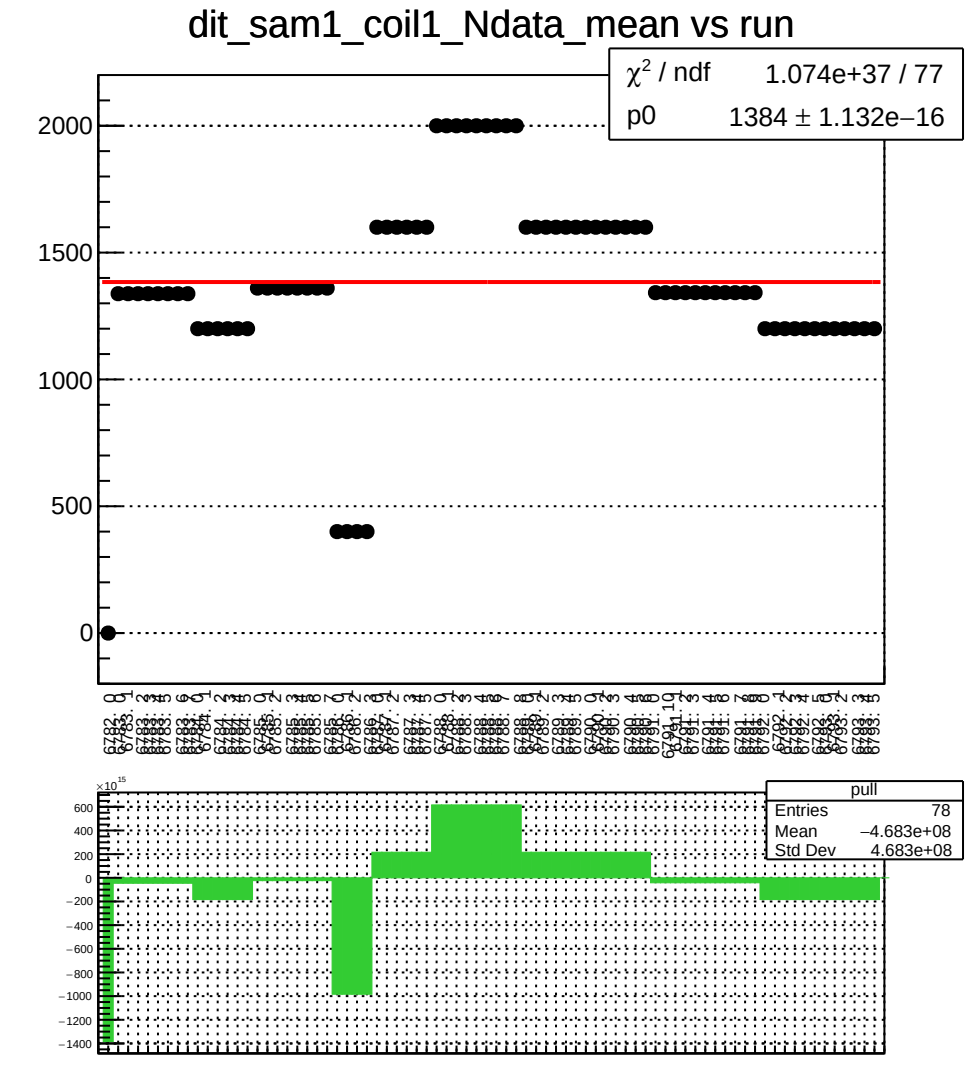

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

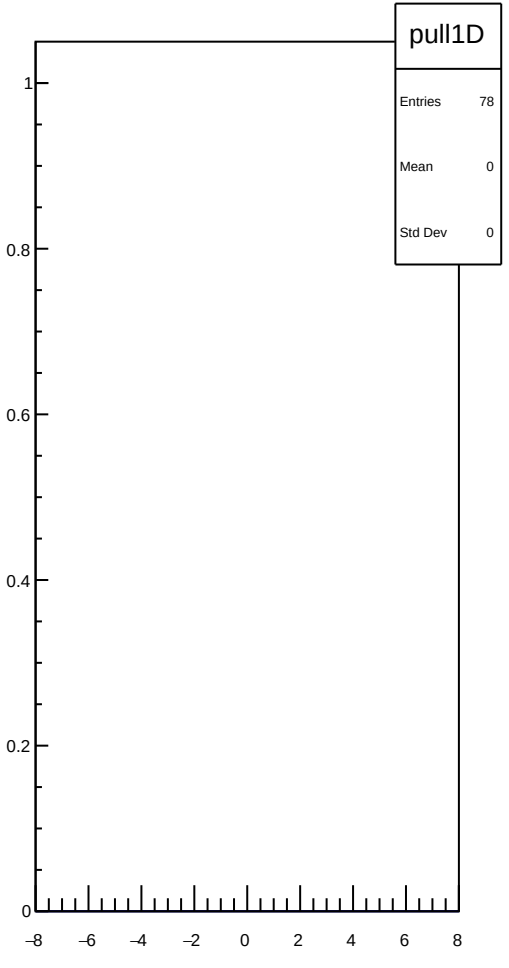

dit_sam1_coil1_mean vs run
χ² / ndf 5.252e+37 / 77
p0 7156 ± 1.132e−16
pull
Entries 78
Mean −1.076e+09
Std Dev 1.076e+09

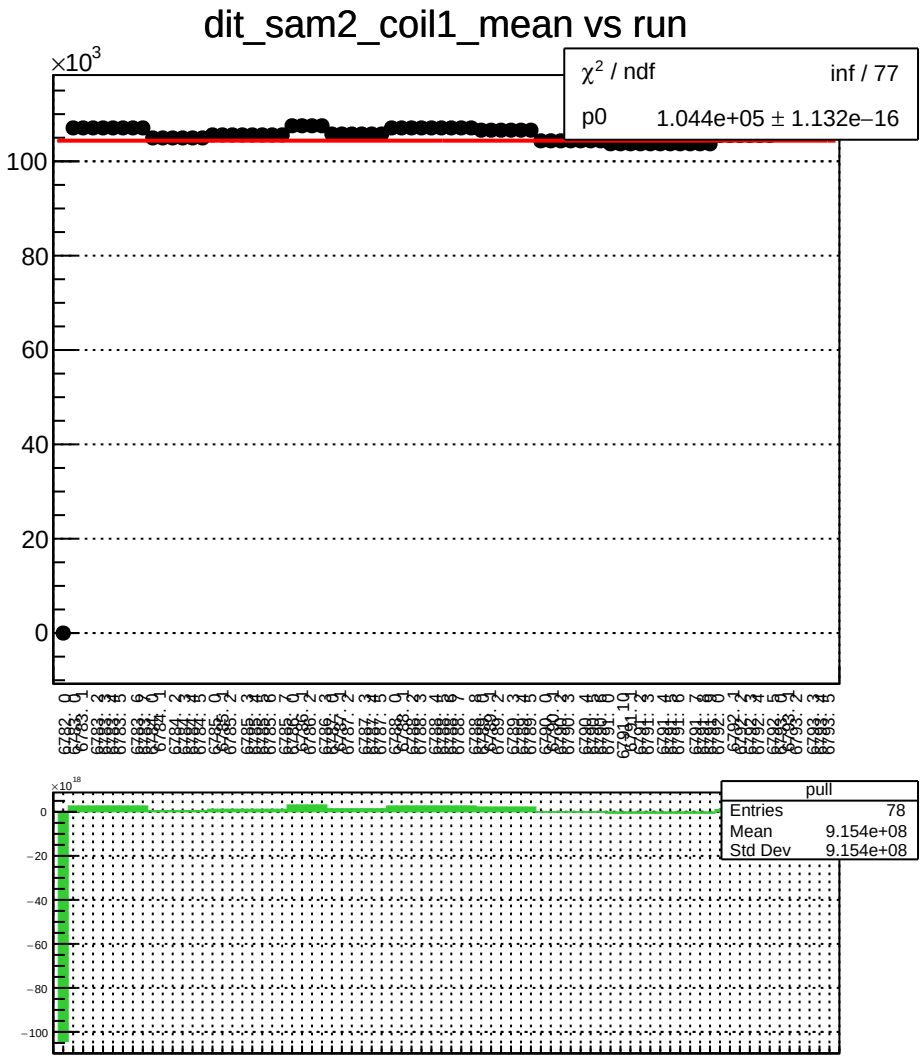

pull1D
Entries 78
Mean 0
Std Dev 0

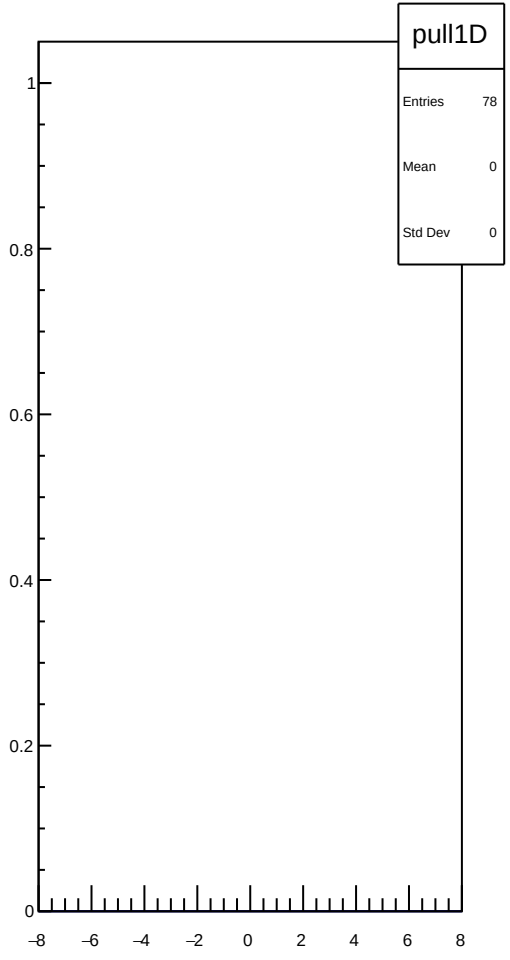

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.143e+35 / 77
p0 133.9 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 2.033e+09
Std Dev 2.033e+09
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140

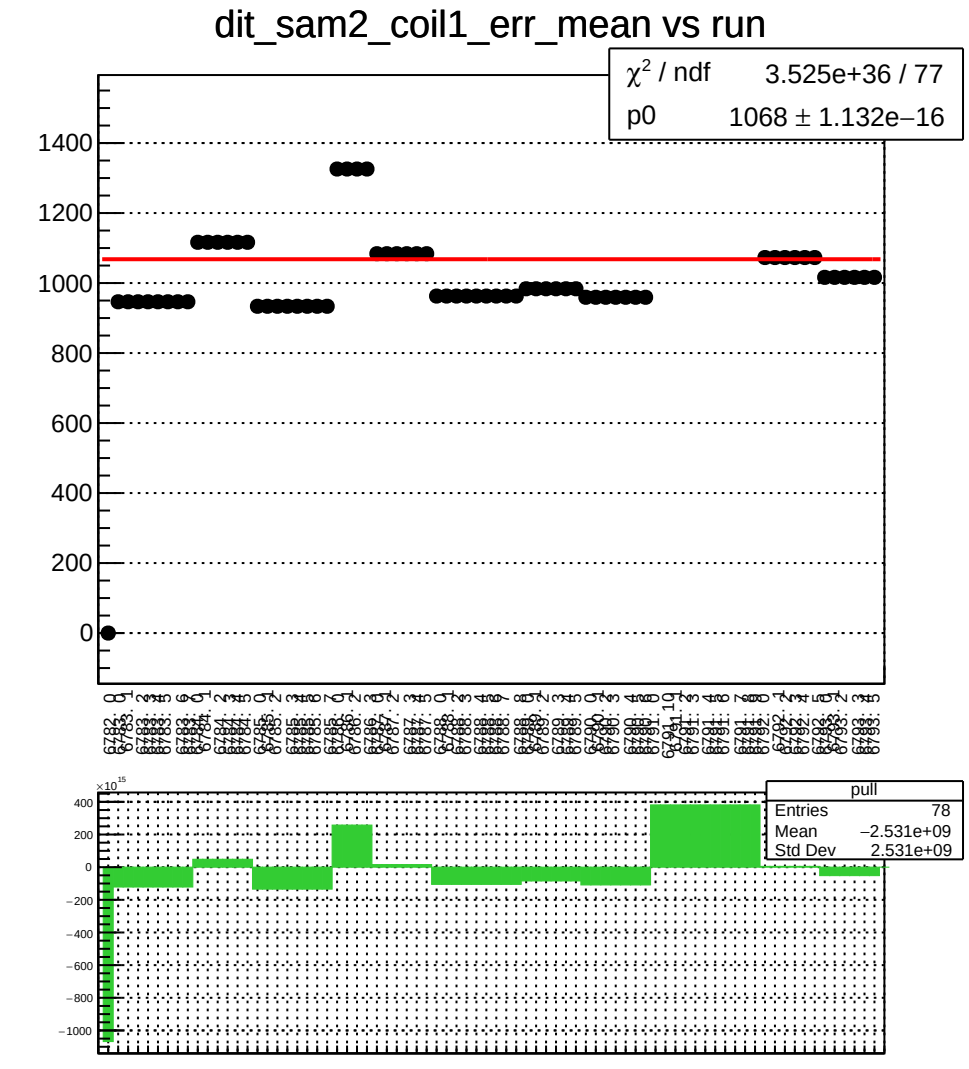

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

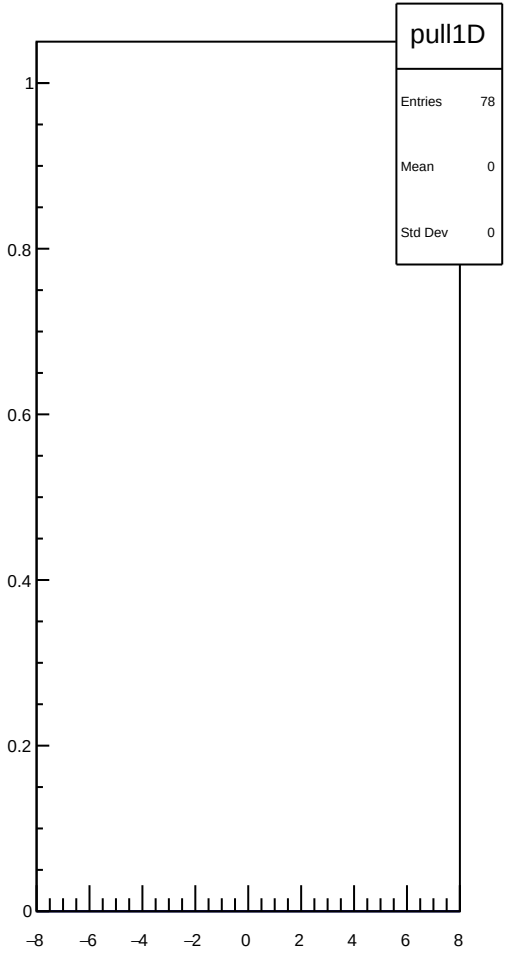

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

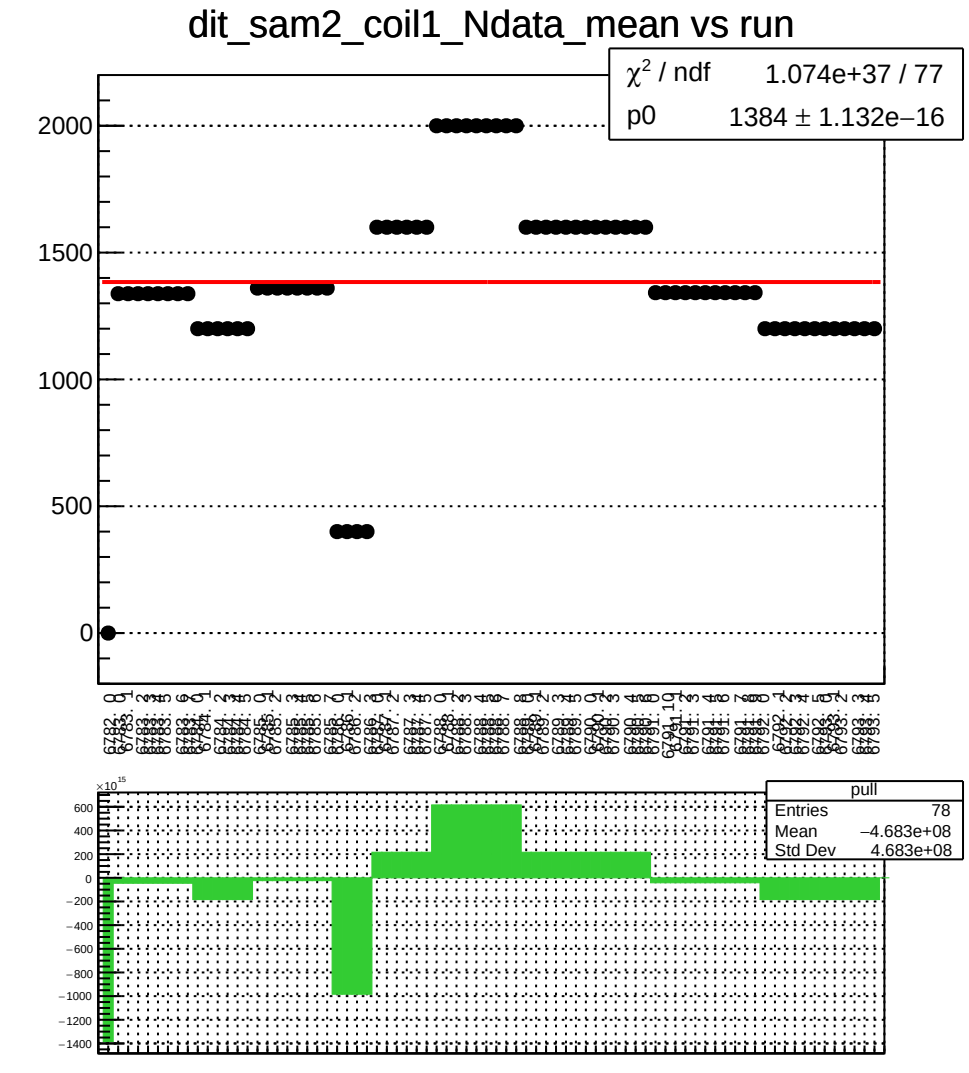

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

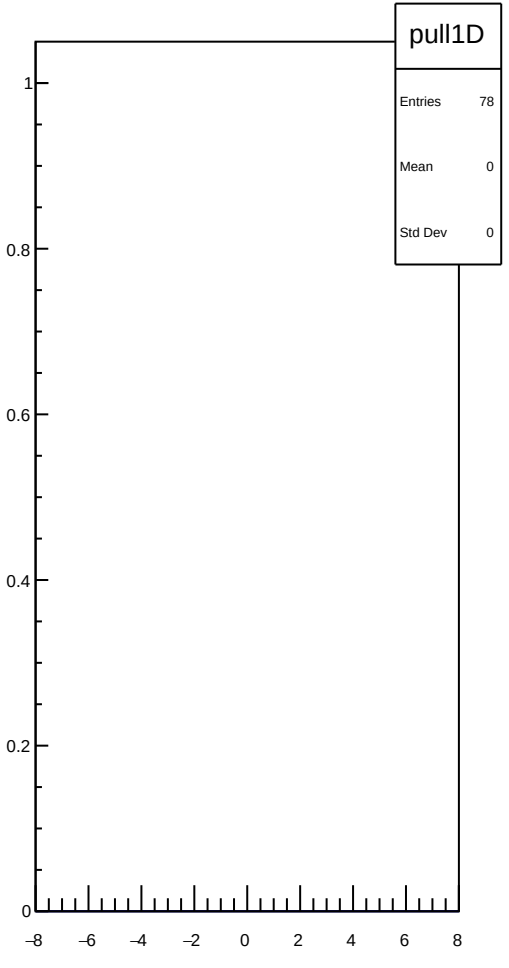

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.044e+05 ± 1.132e−16
100
80
60
40
20
0
pull
Entries 78
Mean 9.154e+08
Std Dev 9.154e+08
×10^18
0
−20
−40
−60
−80
−100

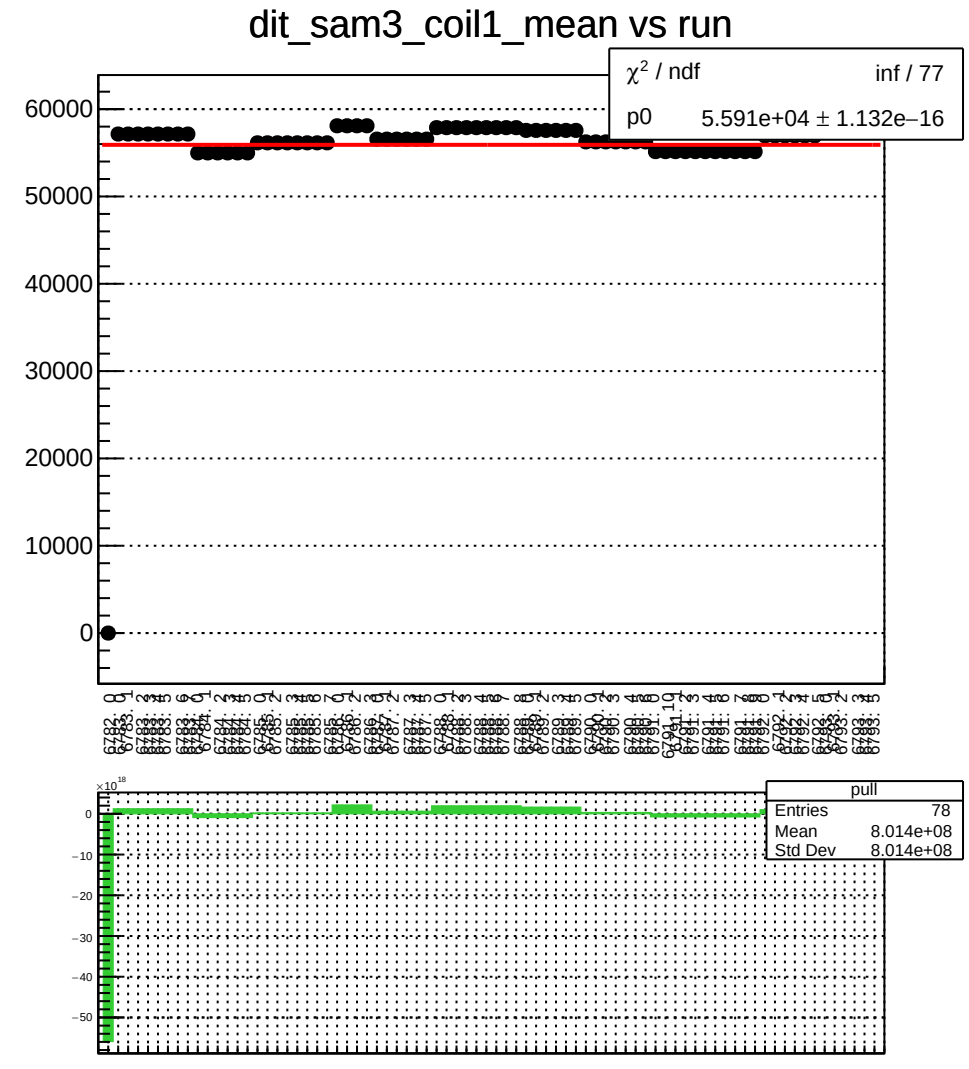

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

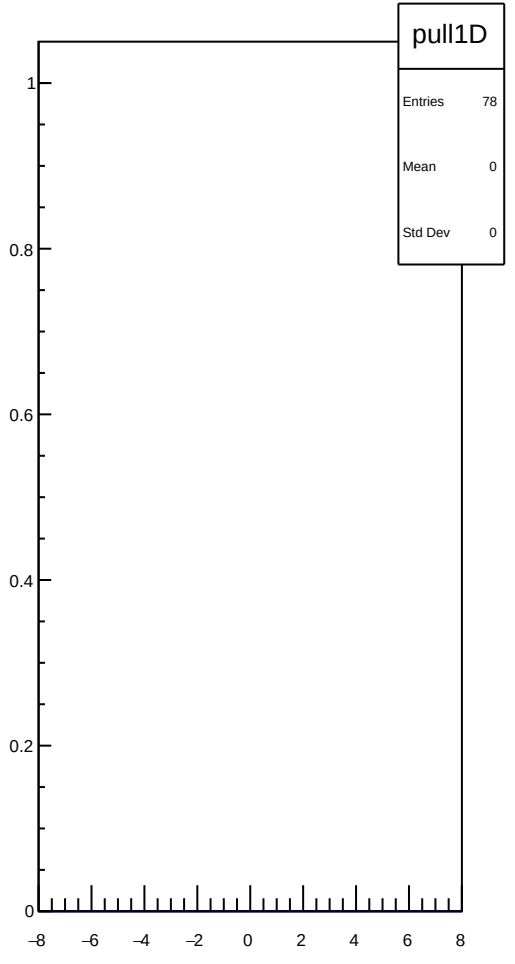

dit_sam2_coil1_err_mean vs run
χ² / ndf 3.525e+36 / 77
p0 1068 ± 1.132e−16
pull
Entries 78
Mean −2.531e+09
Std Dev 2.531e+09

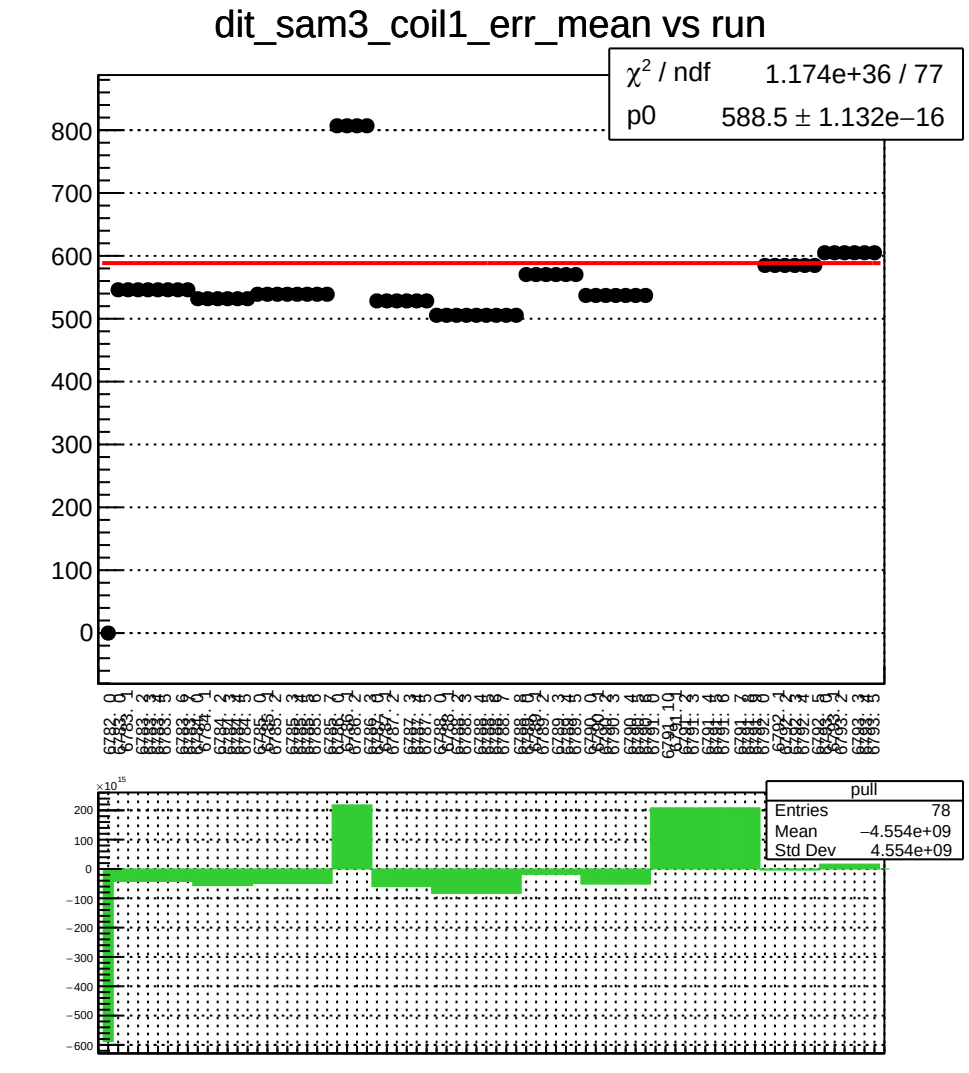

pull1D
Entries 78
Mean 0
Std Dev 0

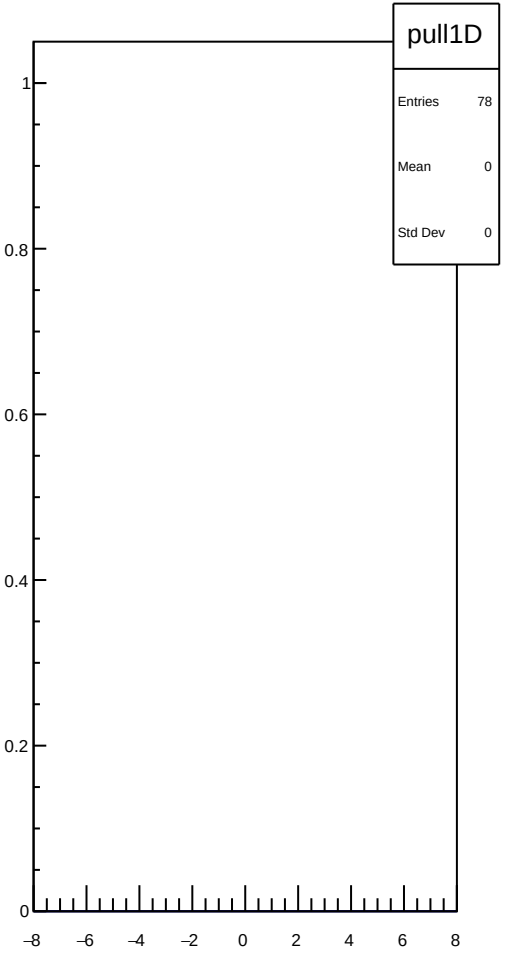

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

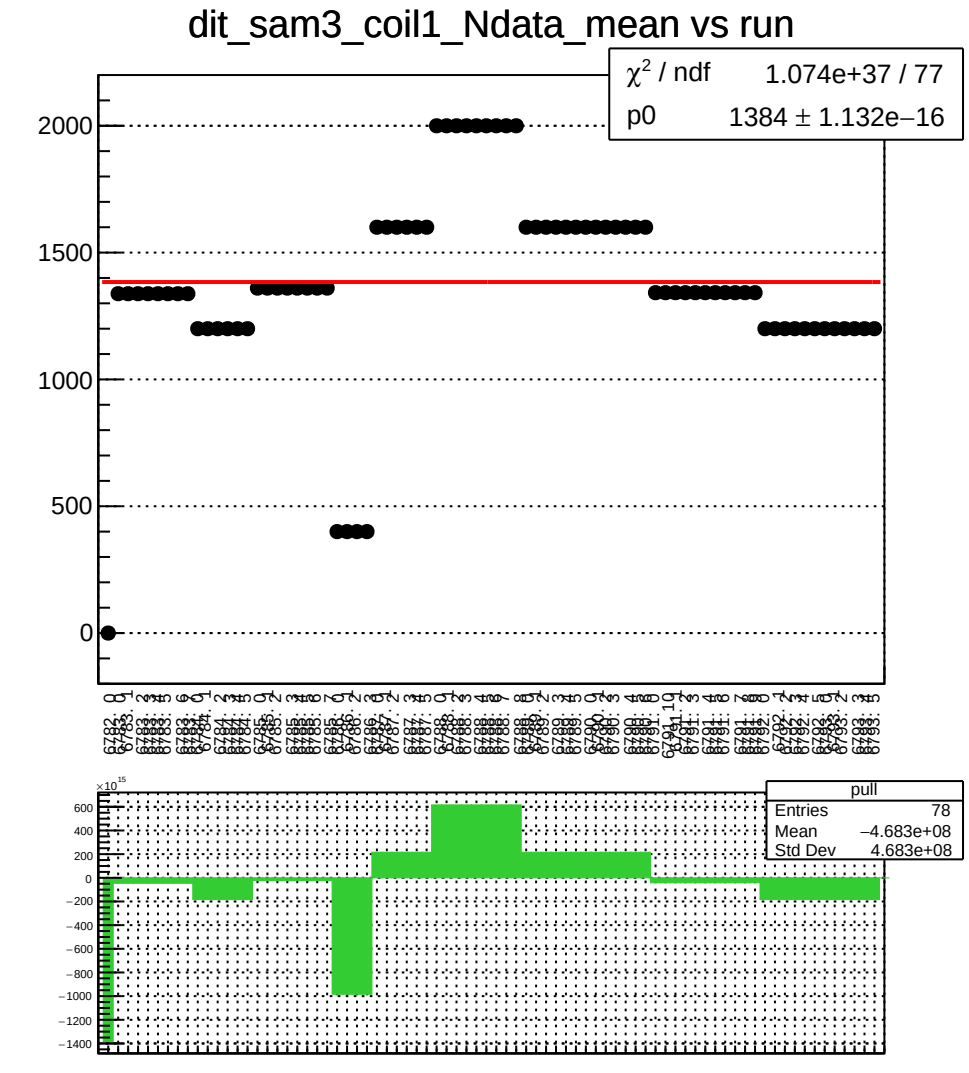

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

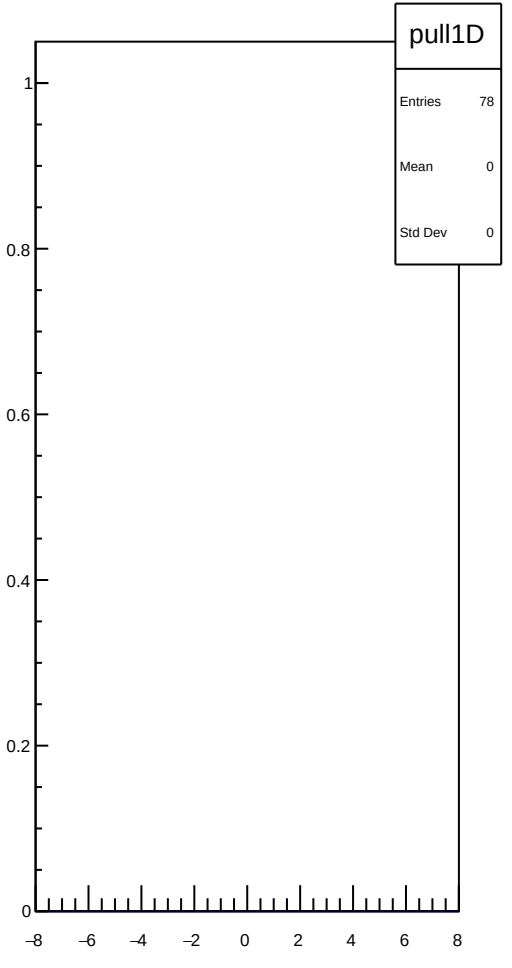

dit_sam3_coil1_mean vs run
χ² / ndf inf / 77
p0 5.591e+04 ± 1.132e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 78
Mean 8.014e+08
Std Dev 8.014e+08
×10¹⁸
0
−10
−20
−30
−40
−50

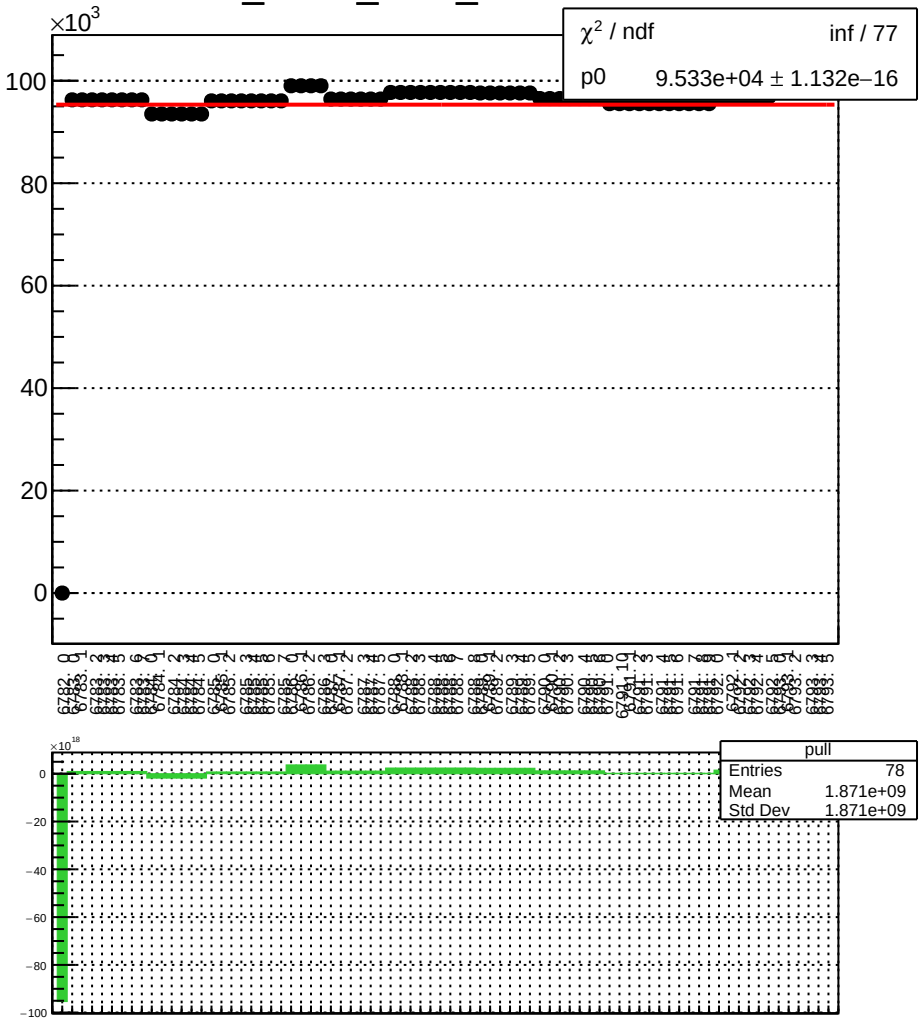

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

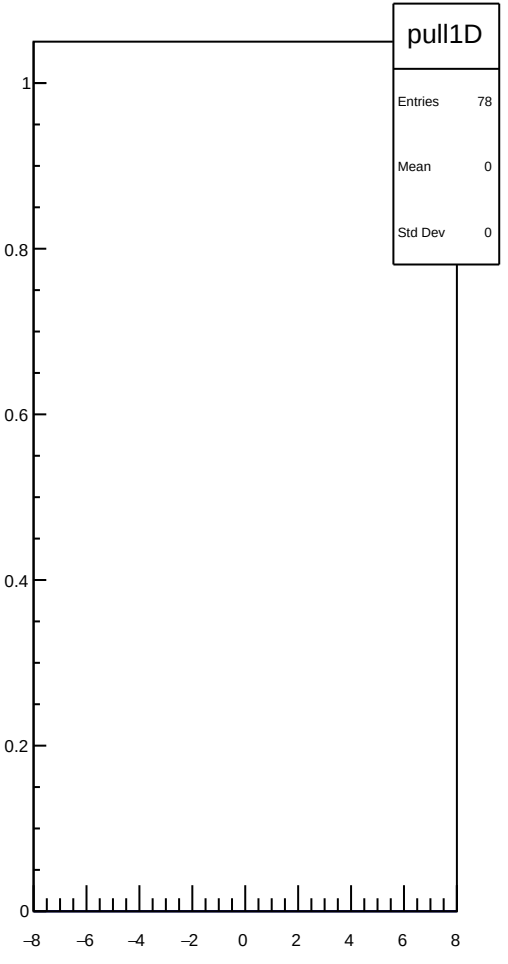

dit_sam3_coil1_err_mean vs run
χ² / ndf 1.174e+36 / 77
p0 588.5 ± 1.132e−16
pull
Entries 78
Mean −4.554e+09
Std Dev 4.554e+09

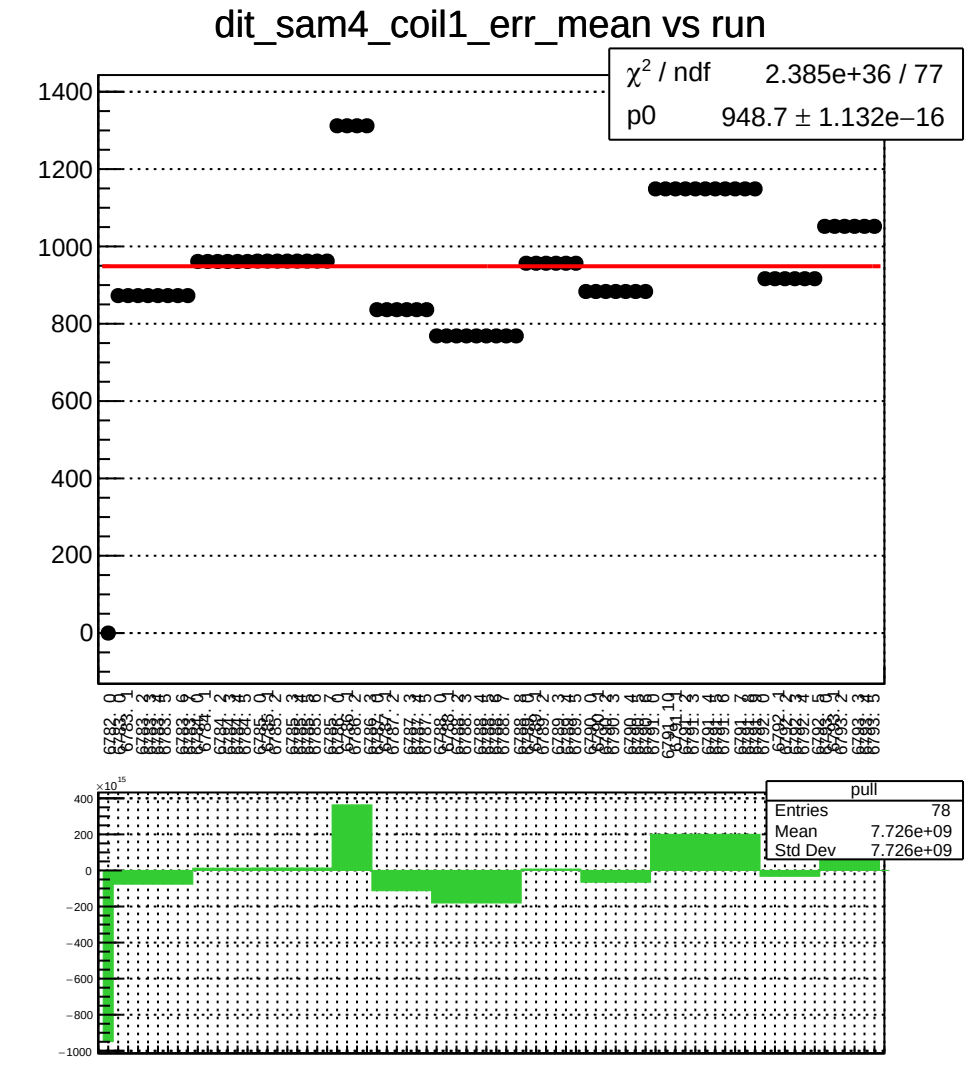

pull1D
Entries 78
Mean 0
Std Dev 0

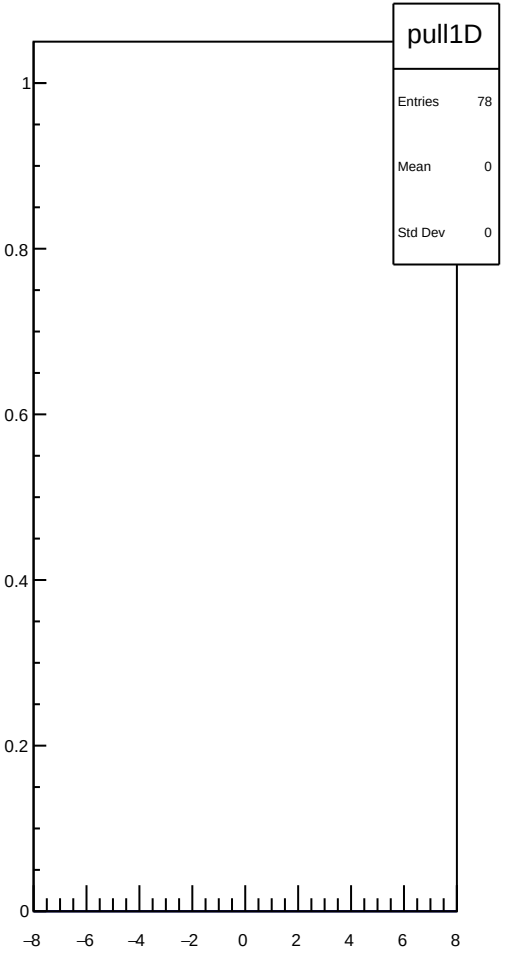

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

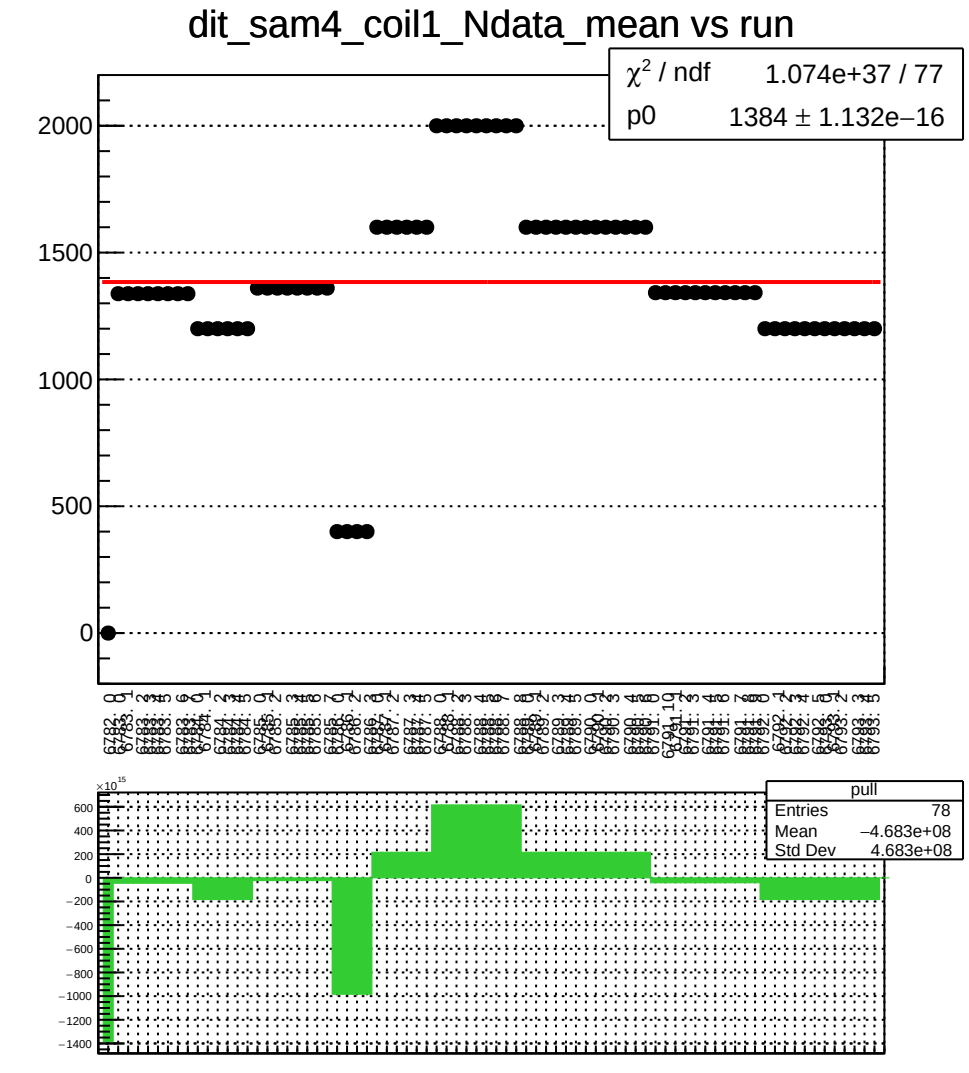

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

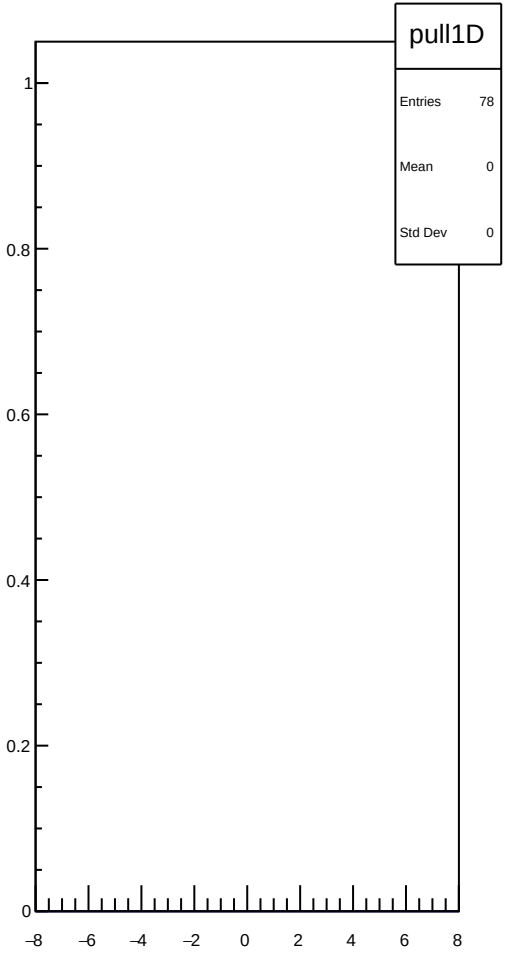

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 77
p0 9.533e+04 ± 1.132e−16
pull
Entries 78
Mean 1.871e+09
Std Dev 1.871e+09
×10^18

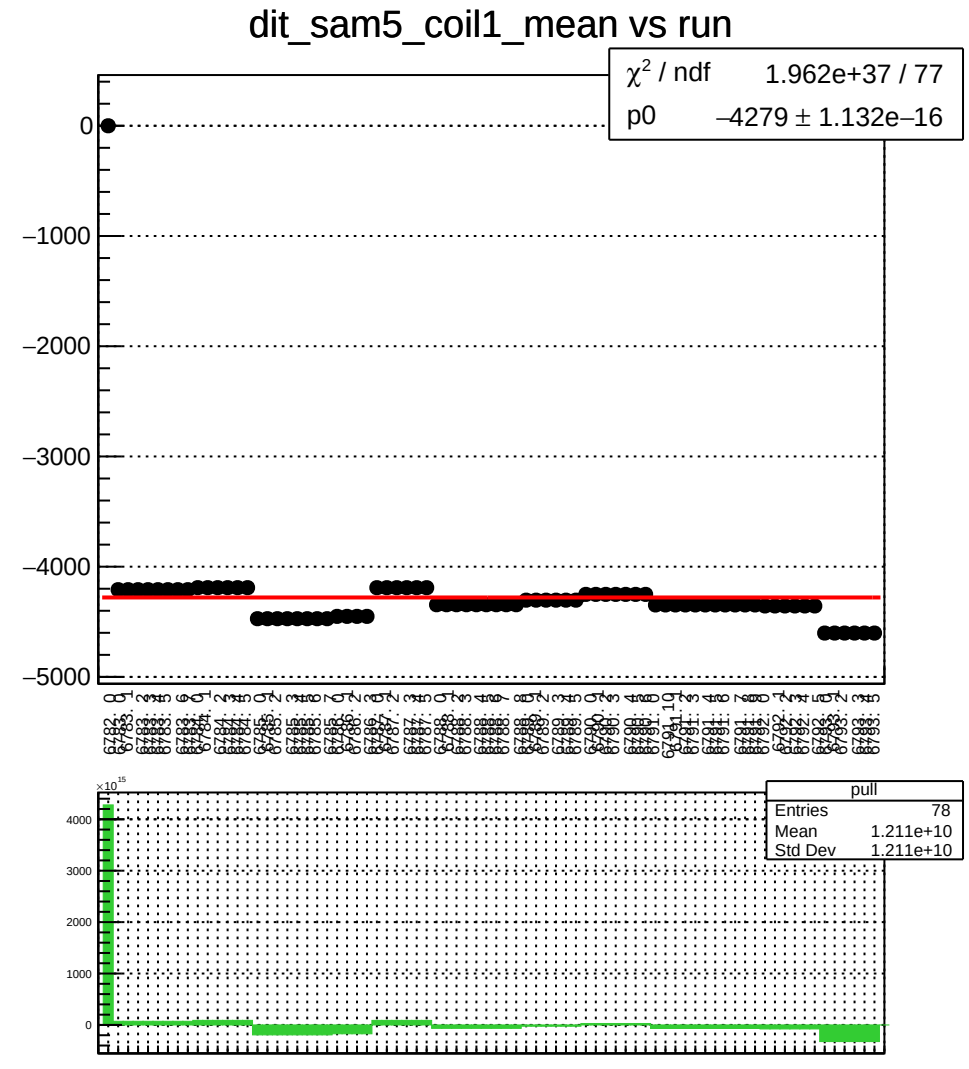

pull1D
Entries 78
Mean 0
Std Dev 0

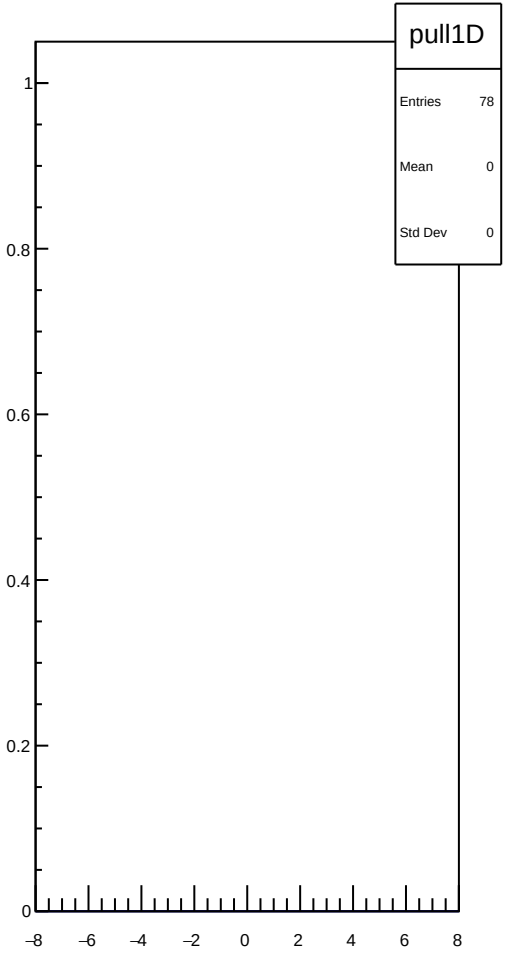

dit_sam4_coil1_err_mean vs run
χ² / ndf 2.385e+36 / 77
p0 948.7 ± 1.132e−16
pull
Entries 78
Mean 7.726e+09
Std Dev 7.726e+09

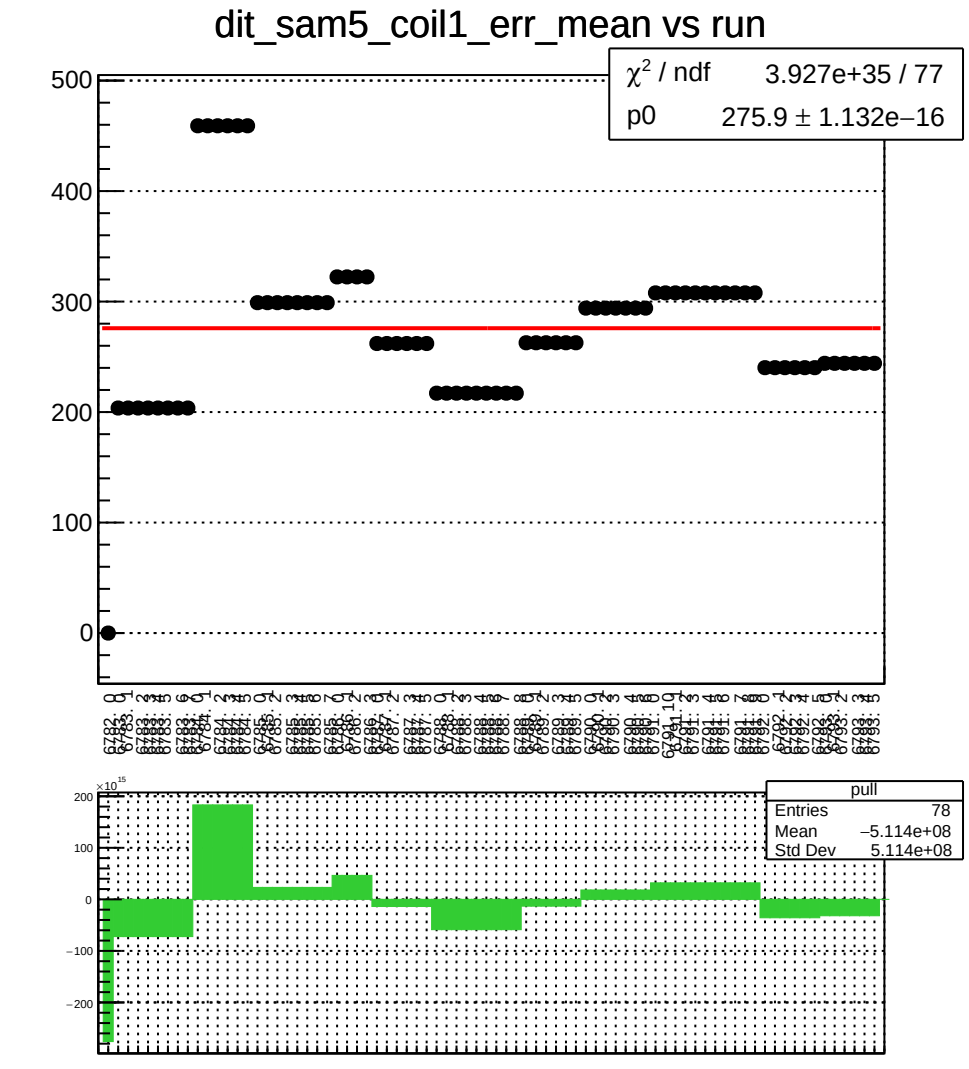

pull1D
Entries 78
Mean 0
Std Dev 0

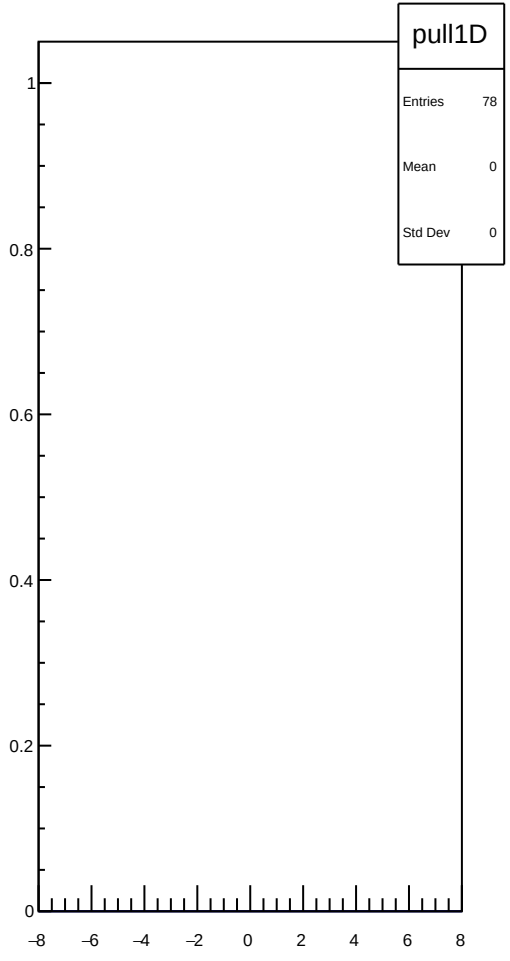

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

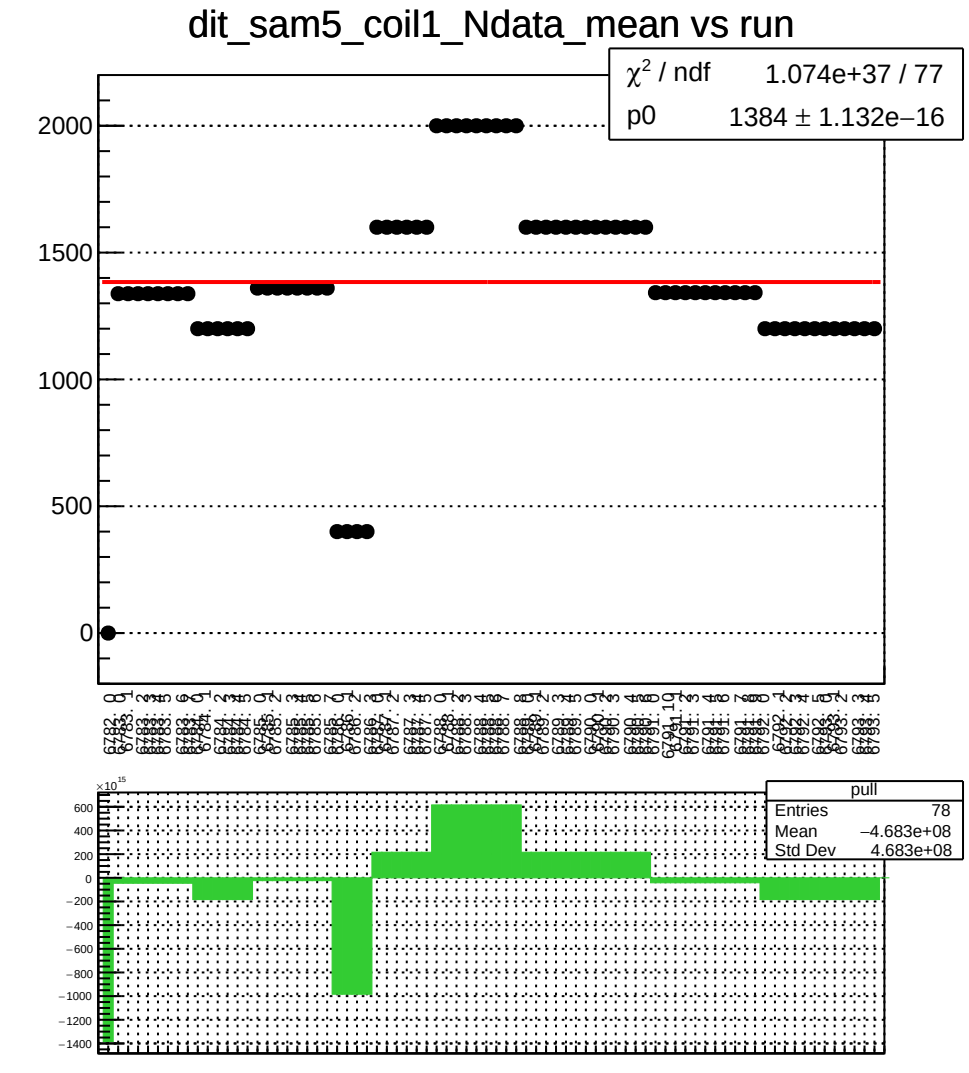

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

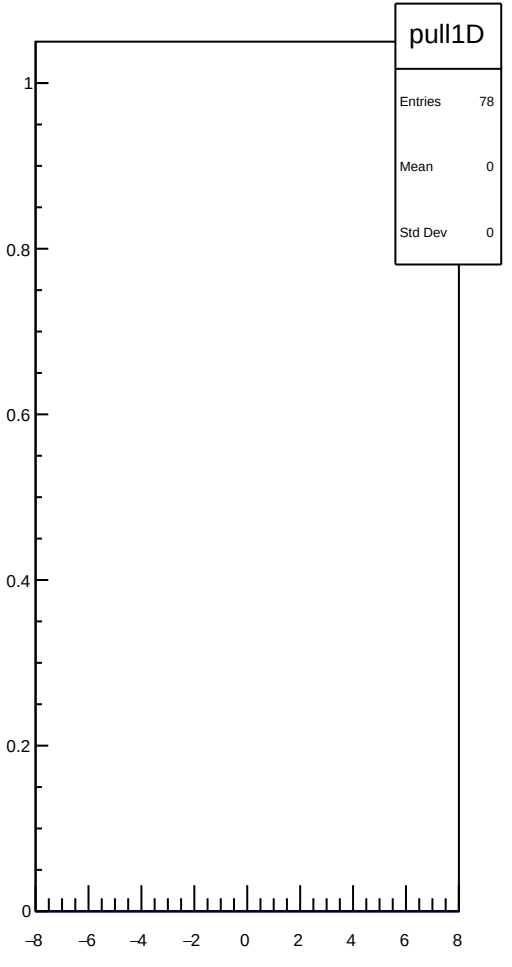

dit_sam5_coil1_mean vs run
χ² / ndf 1.962e+37 / 77
p0 −4279 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 78
Mean 1.211e+10
Std Dev 1.211e+10
×10¹⁵
4000
3000
2000
1000
0

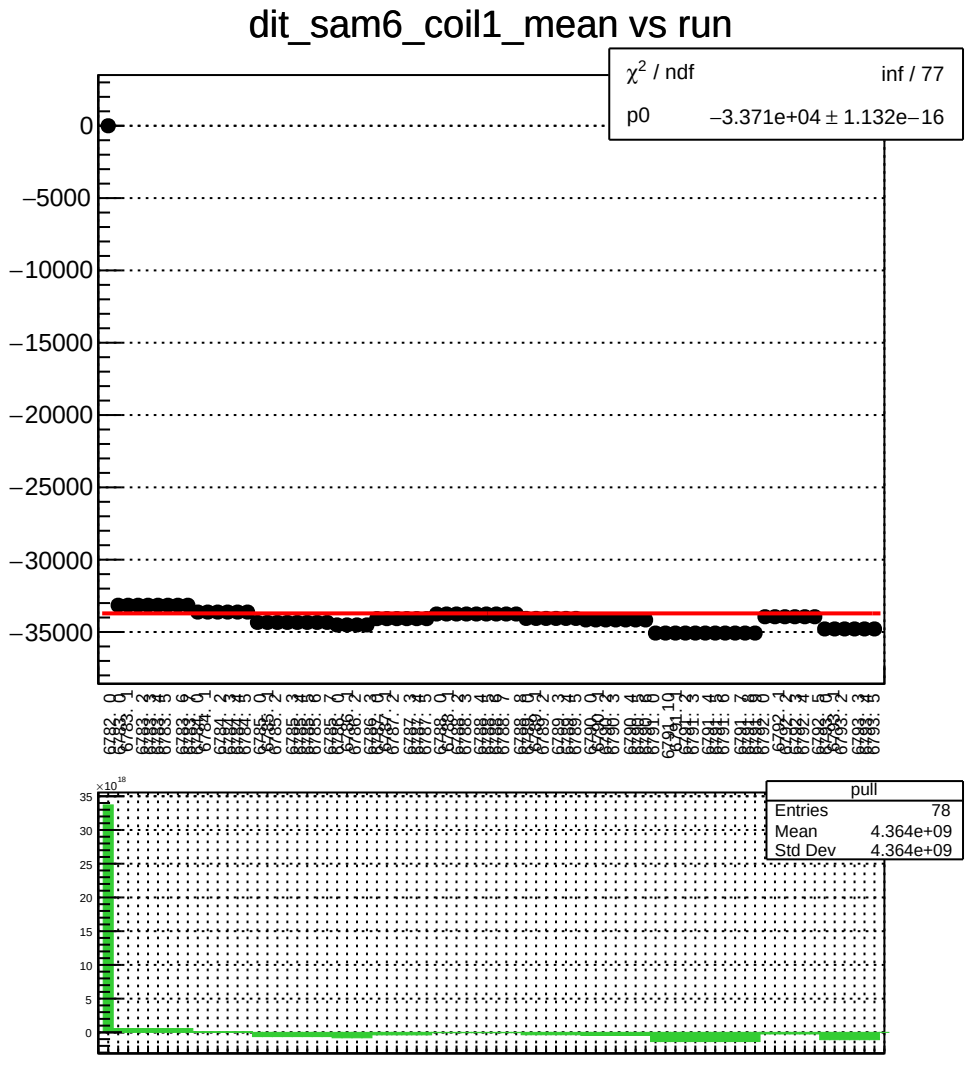

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

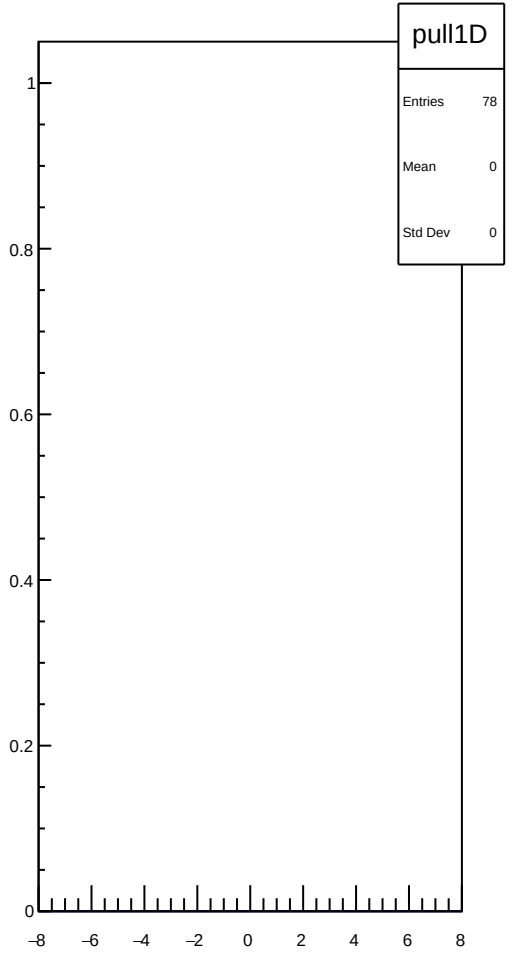

dit_sam5_coil1_err_mean vs run
χ² / ndf 3.927e+35 / 77
p0 275.9 ± 1.132e−16
pull
Entries 78
Mean −5.114e+08
Std Dev 5.114e+08

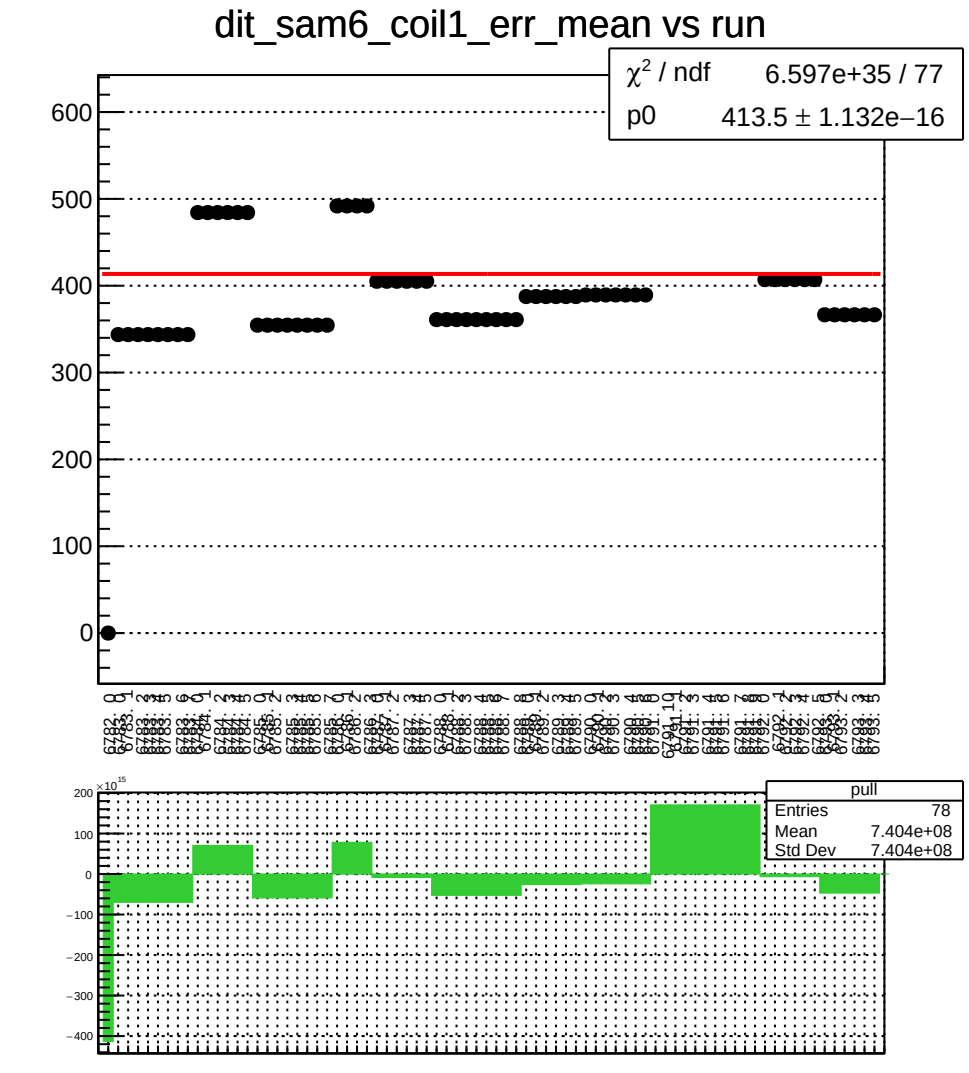

pull1D
Entries 78
Mean 0
Std Dev 0

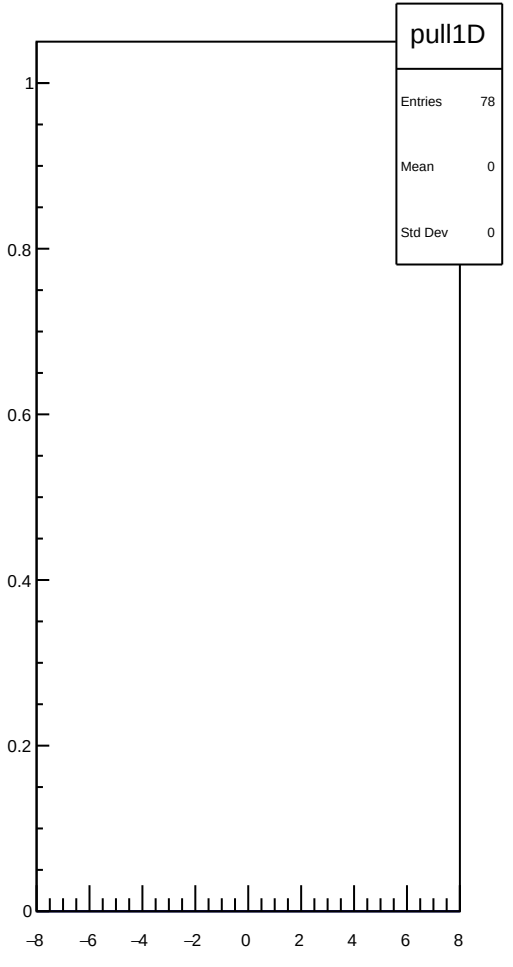

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

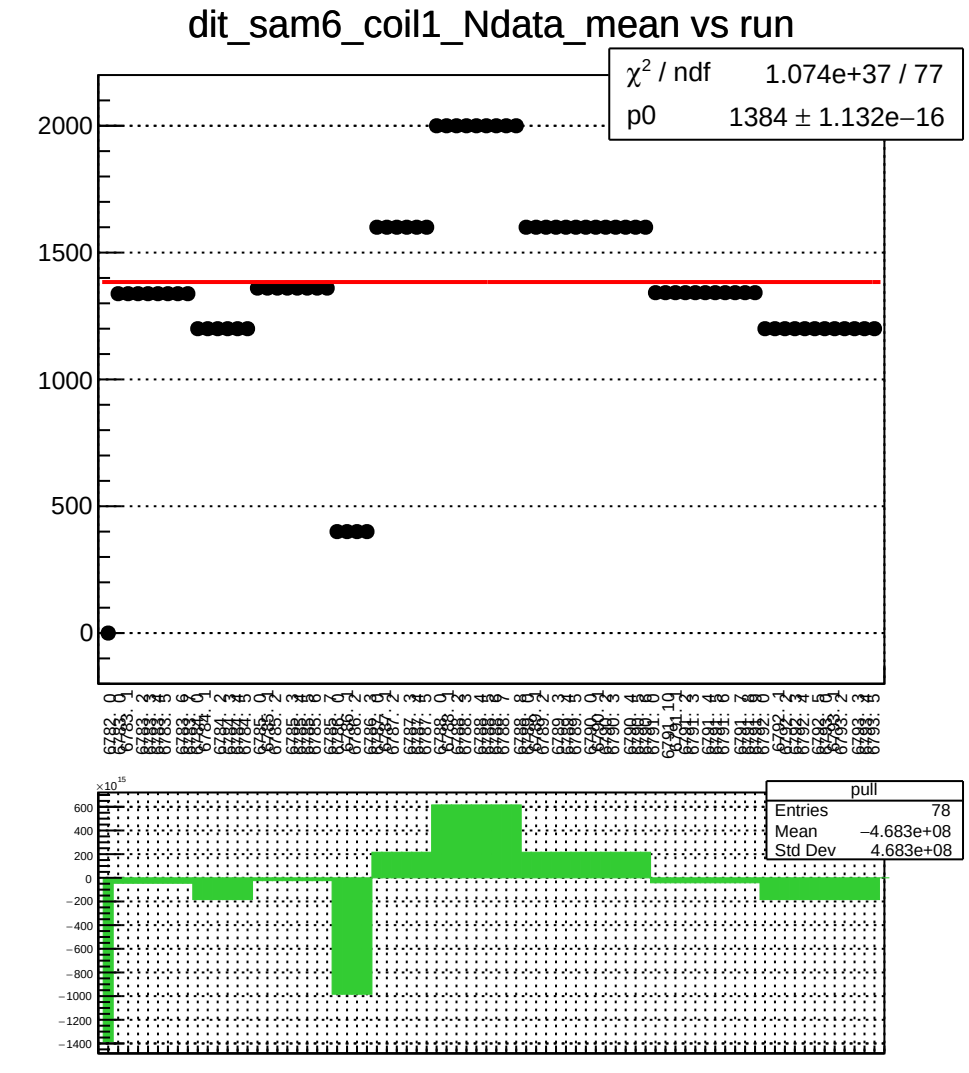

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

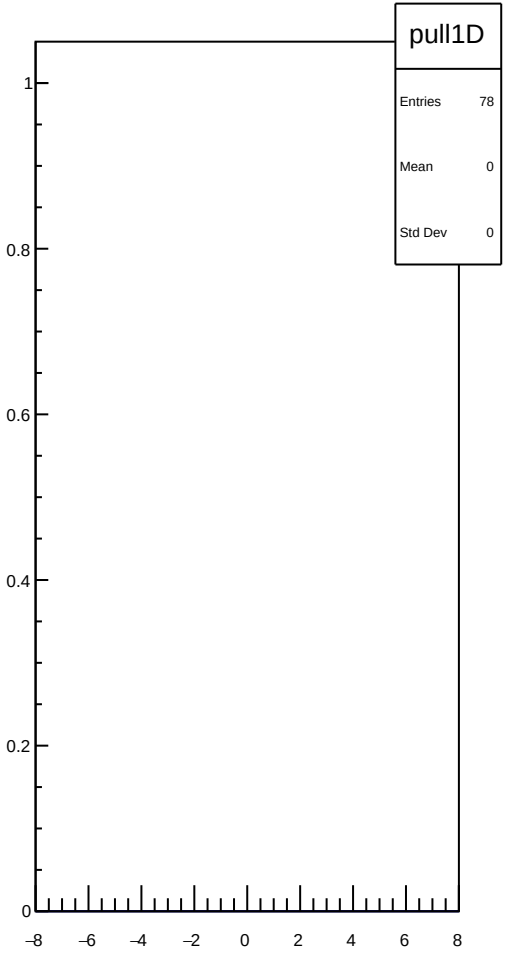

dit_sam6_coil1_mean vs run
χ² / ndf inf / 77
p0 −3.371e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 78
Mean 4.364e+09
Std Dev 4.364e+09
×10¹⁸
35
30
25
20
15
10
5
0

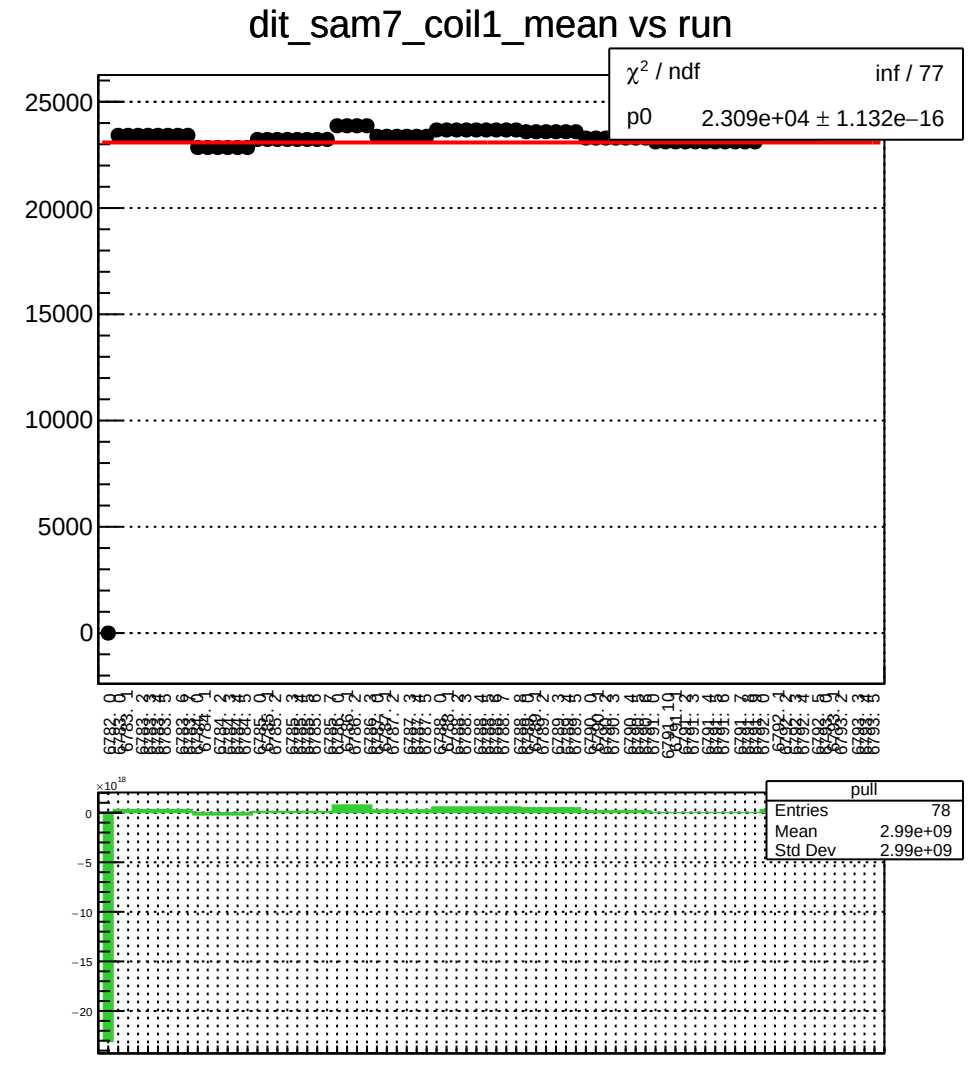

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

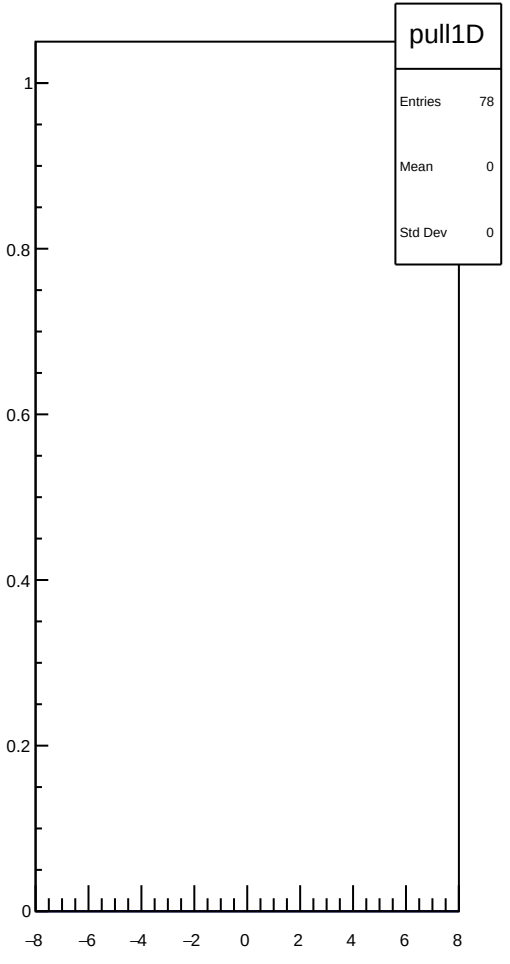

dit_sam6_coil1_err_mean vs run
χ² / ndf 6.597e+35 / 77
p0 413.5 ± 1.132e−16
pull
Entries 78
Mean 7.404e+08
Std Dev 7.404e+08

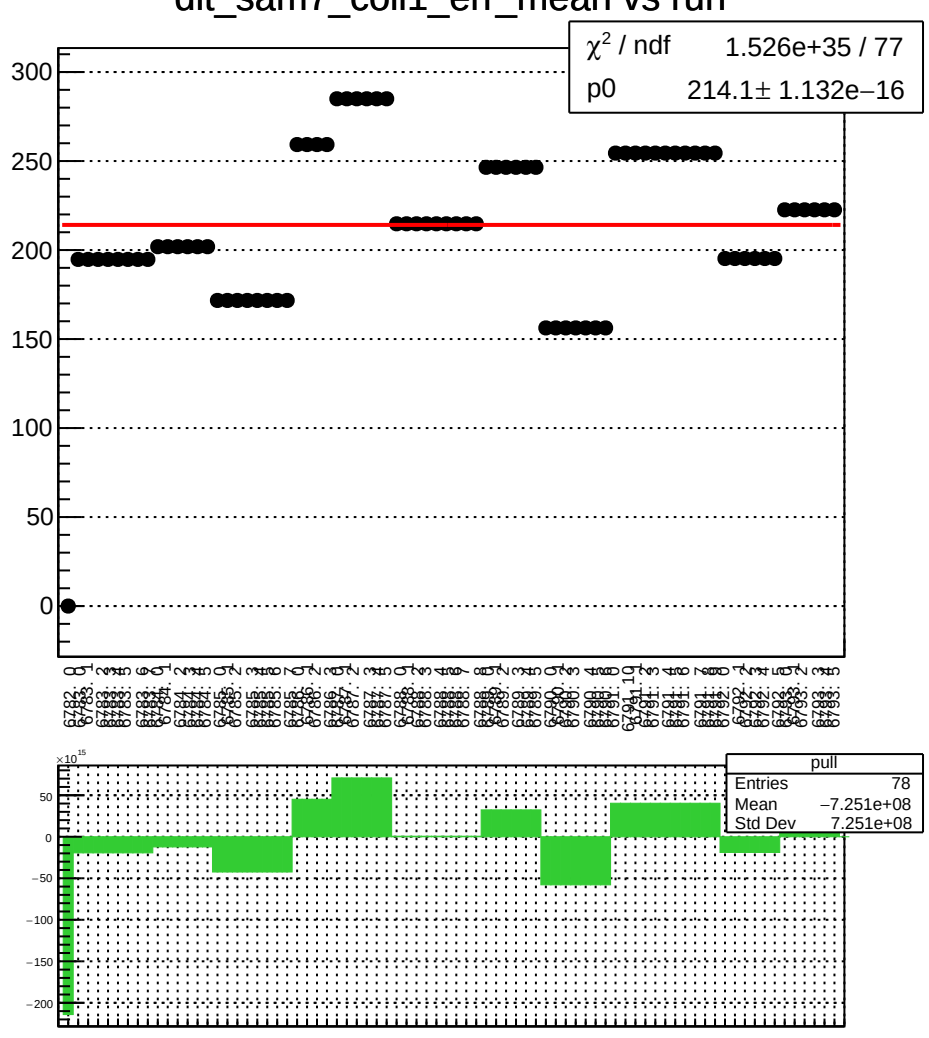

pull1D
Entries 78
Mean 0
Std Dev 0

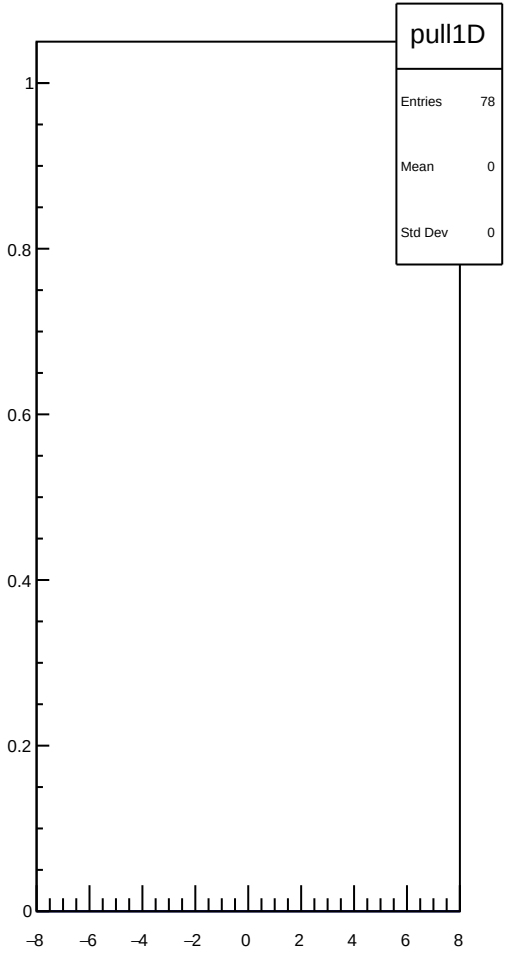

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

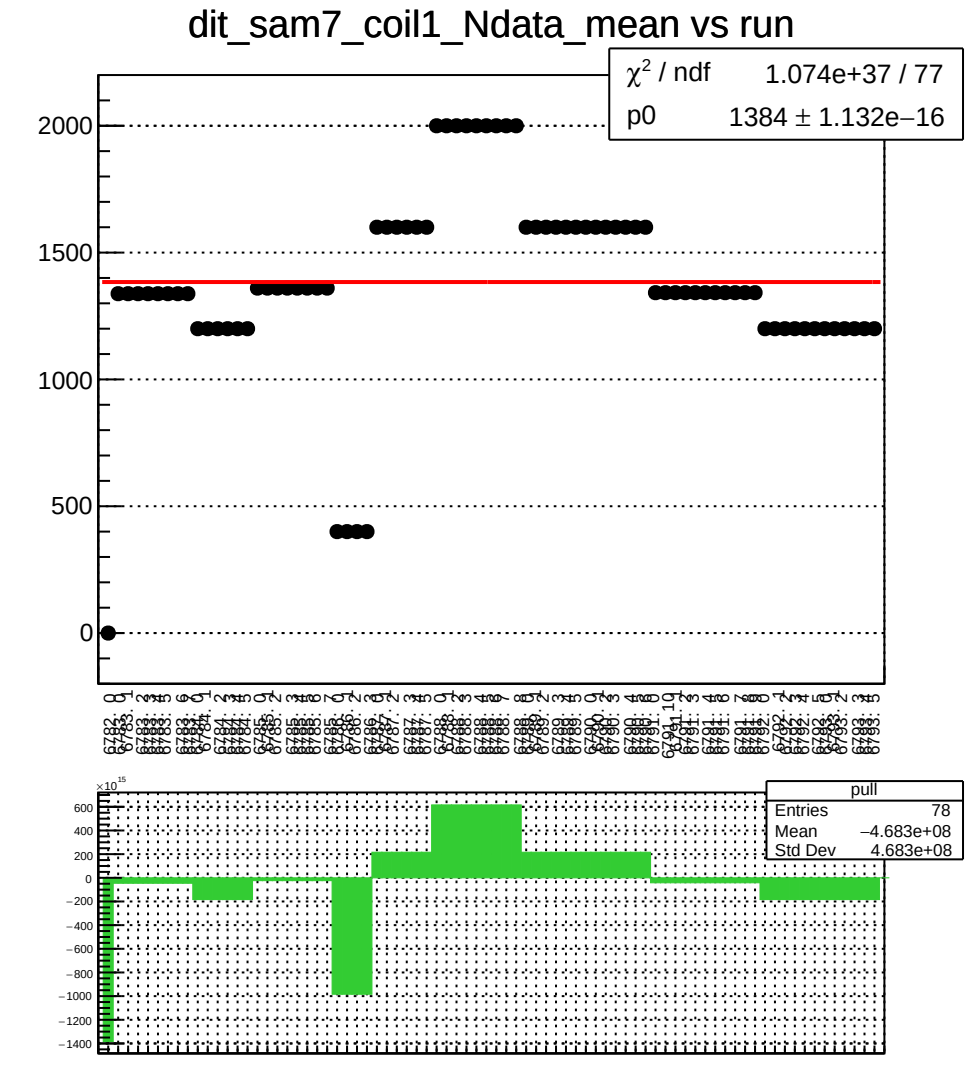

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

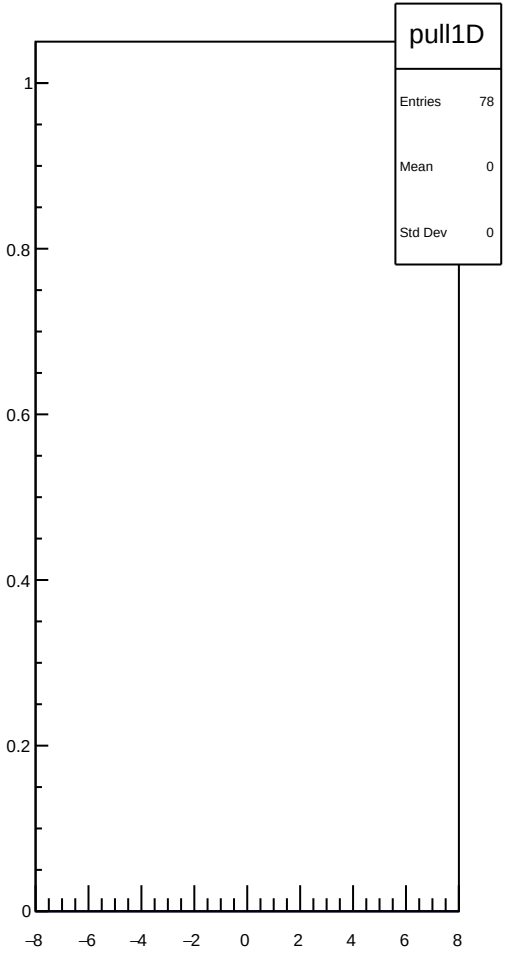

dit_sam7_coil1_mean vs run
χ² / ndf inf / 77
p0 2.309e+04 ± 1.132e−16
pull
Entries 78
Mean 2.99e+09
Std Dev 2.99e+09

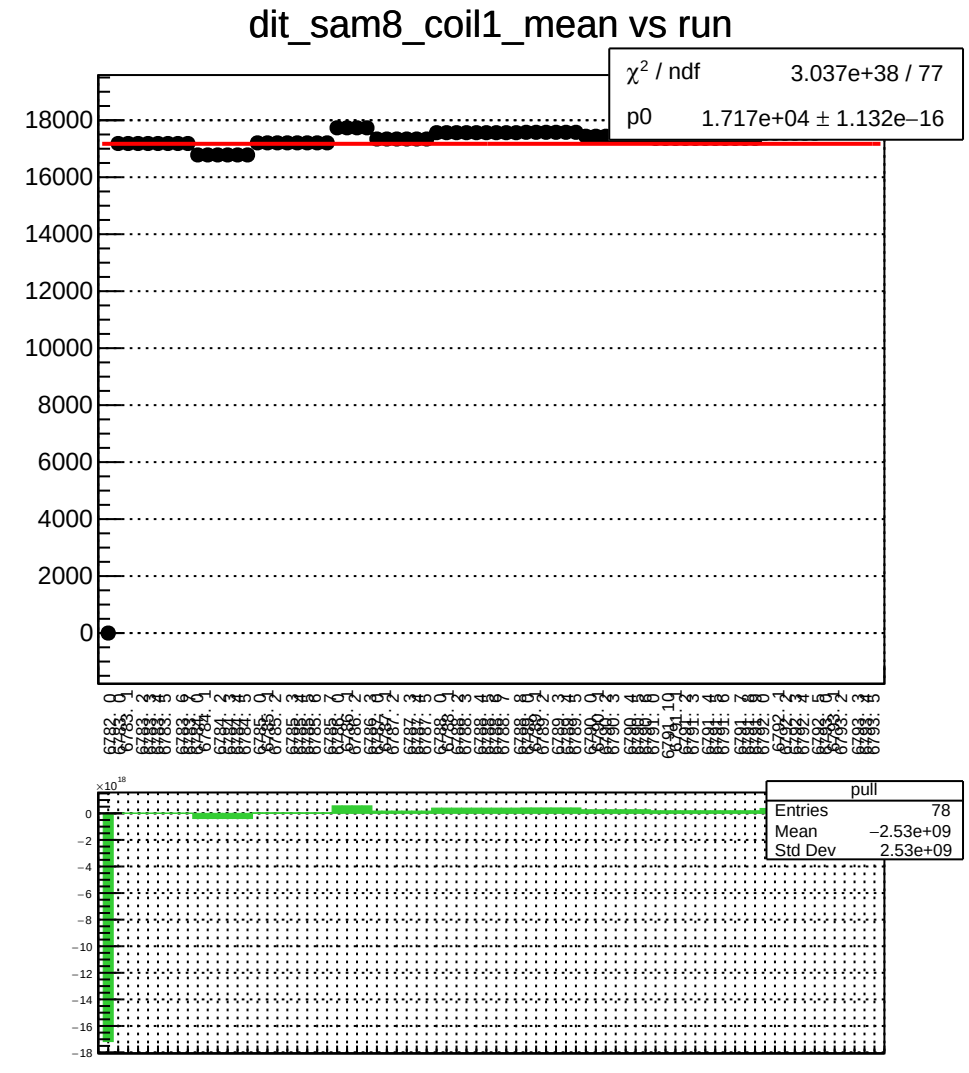

pull1D
Entries 78
Mean 0
Std Dev 0

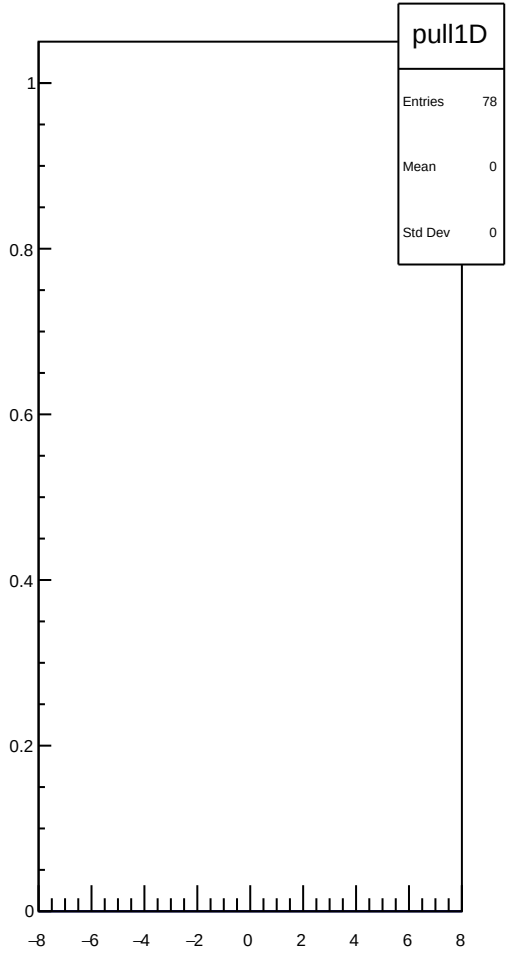

dit_sam7_coil1_err_mean vs run
χ² / ndf 1.526e+35 / 77
p0 214.1± 1.132e−16
pull
Entries 78
Mean −7.251e+08
Std Dev 7.251e+08

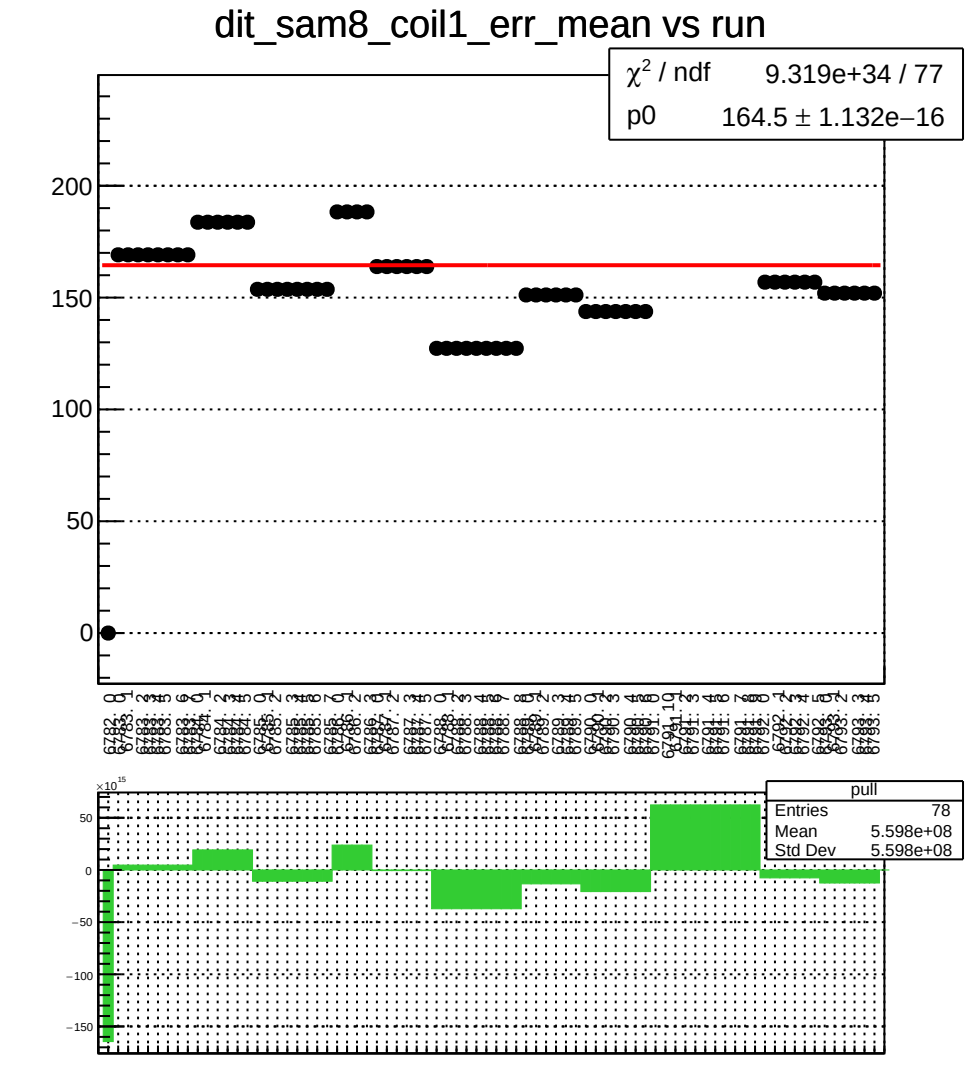

pull1D
Entries 78
Mean 0
Std Dev 0

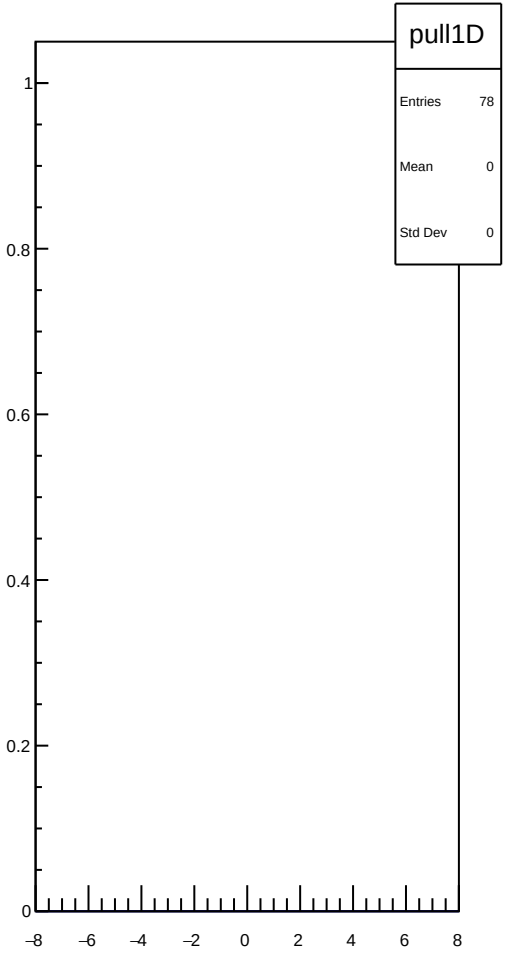

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

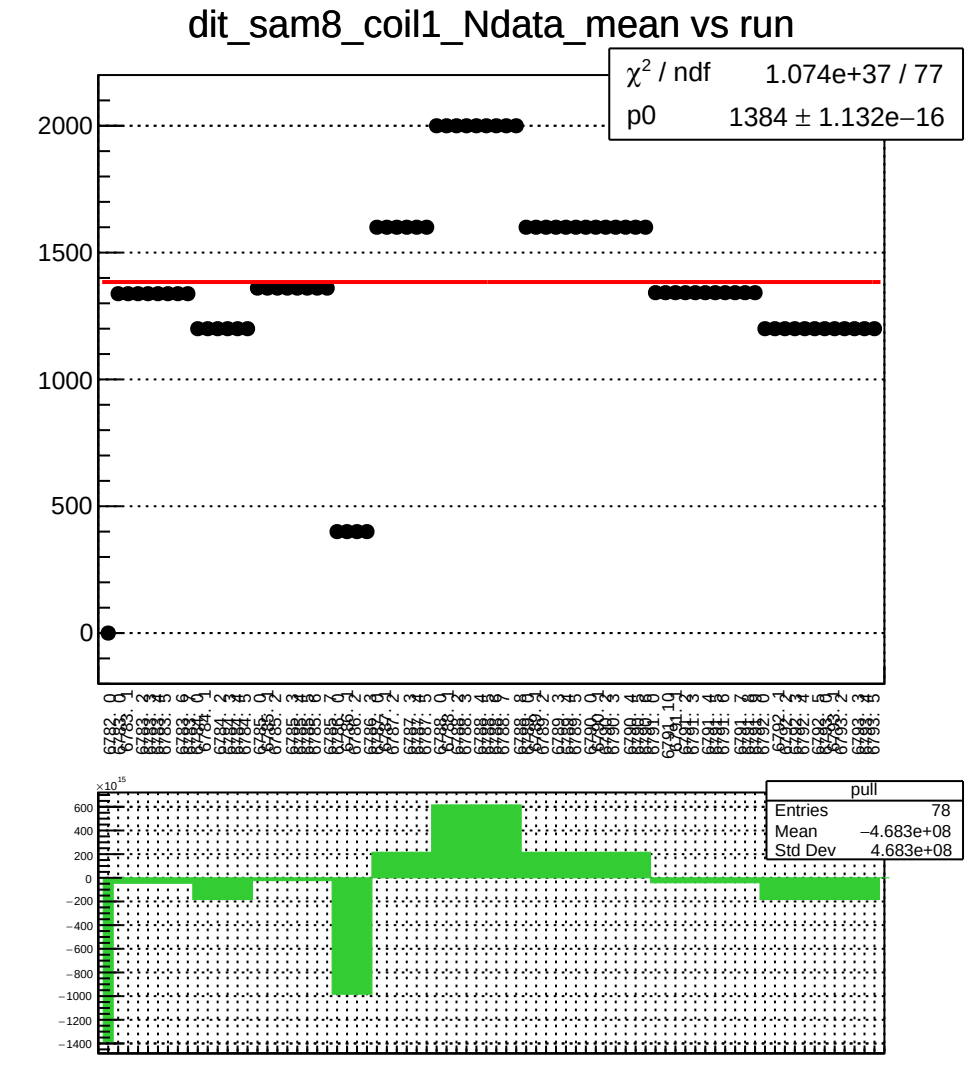

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

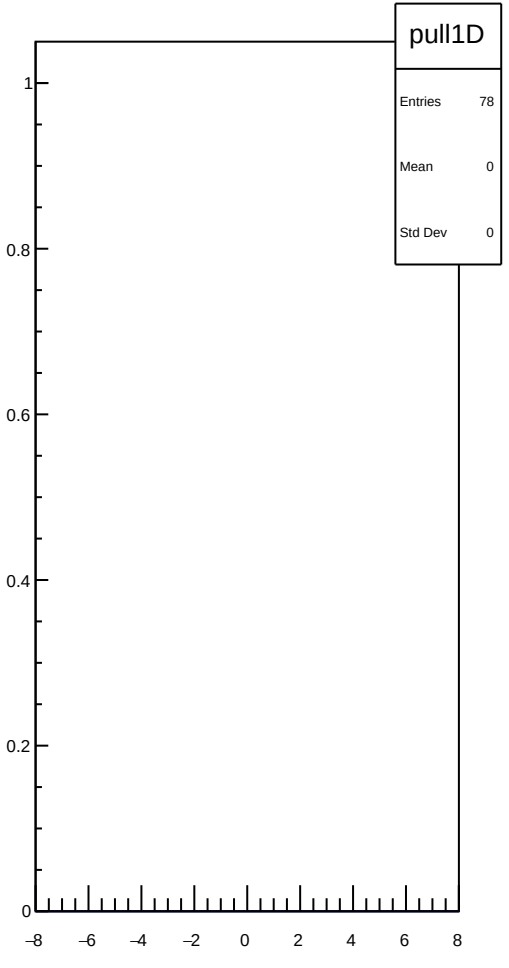

dit_sam8_coil1_mean vs run
χ² / ndf 3.037e+38 / 77
p0 1.717e+04 ± 1.132e−16
pull
Entries 78
Mean −2.53e+09
Std Dev 2.53e+09

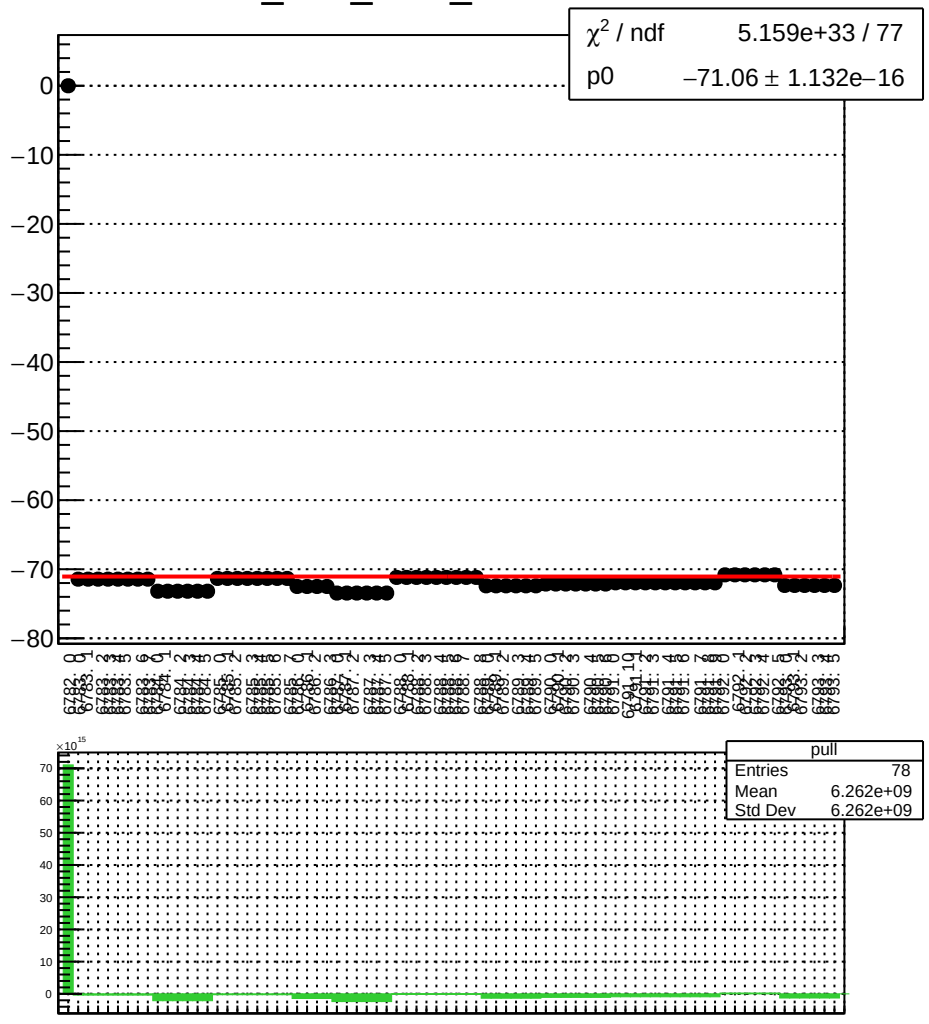

pull1D
Entries 78
Mean 0
Std Dev 0

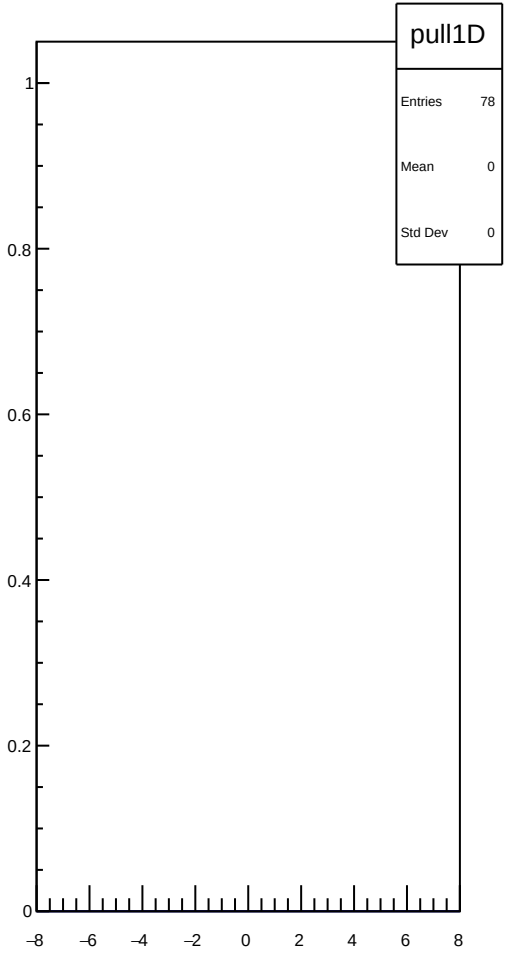

dit_sam8_coil1_err_mean vs run
χ² / ndf 9.319e+34 / 77
p0 164.5 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 5.598e+08
Std Dev 5.598e+08
×10¹⁵
50
0
−50
−100
−150

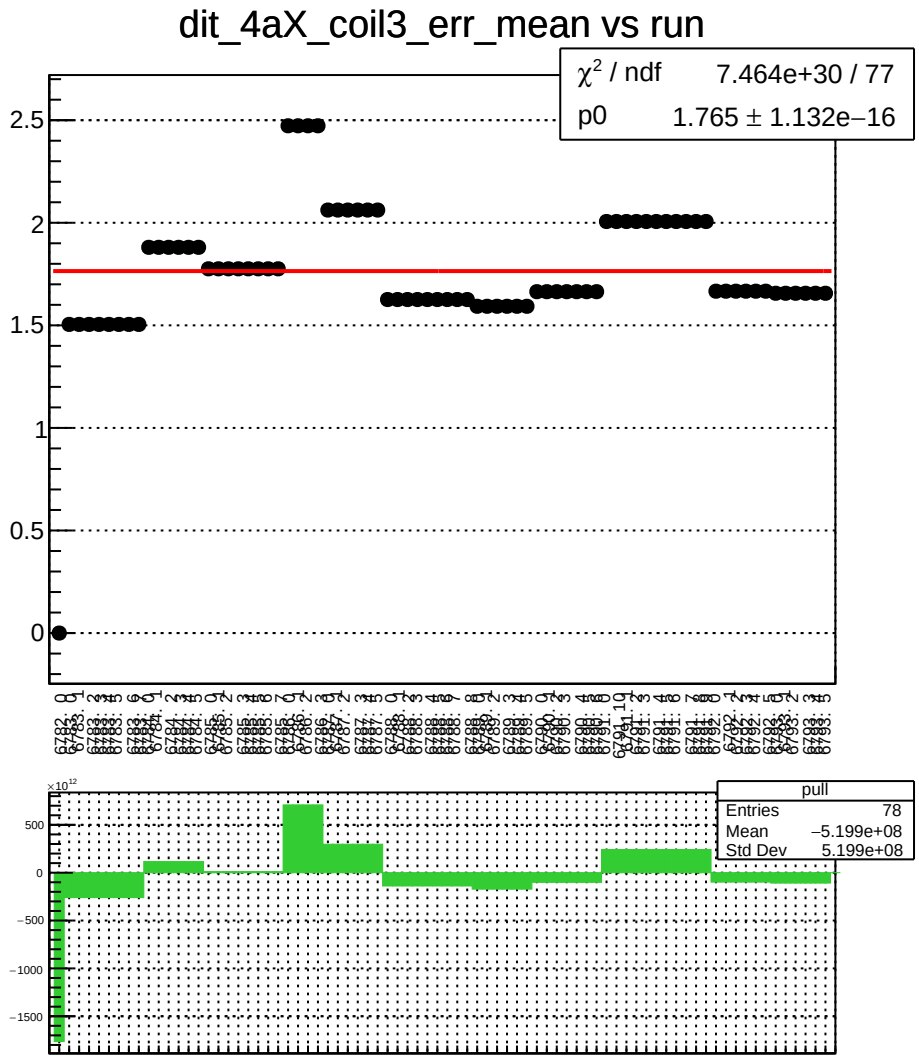

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

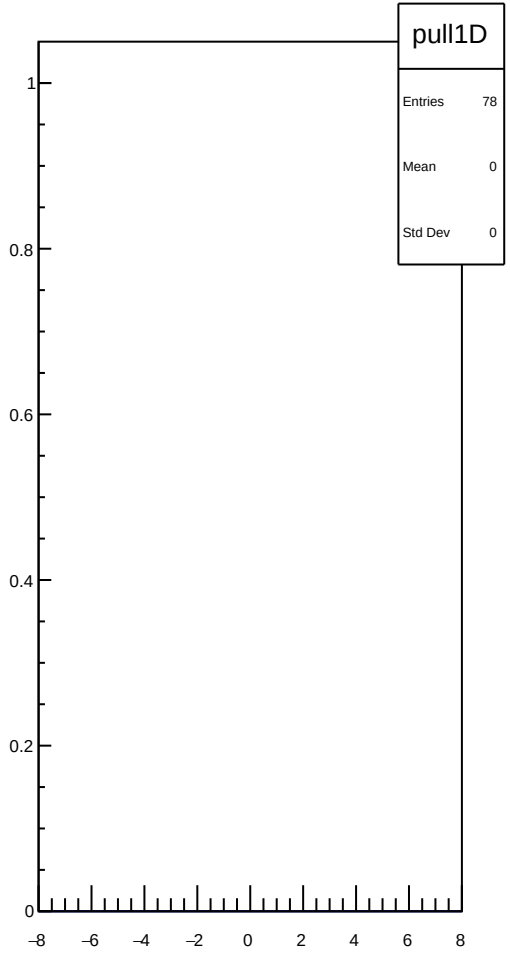

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.074e+37 / 77
p0 1384 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −4.683e+08
Std Dev 4.683e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

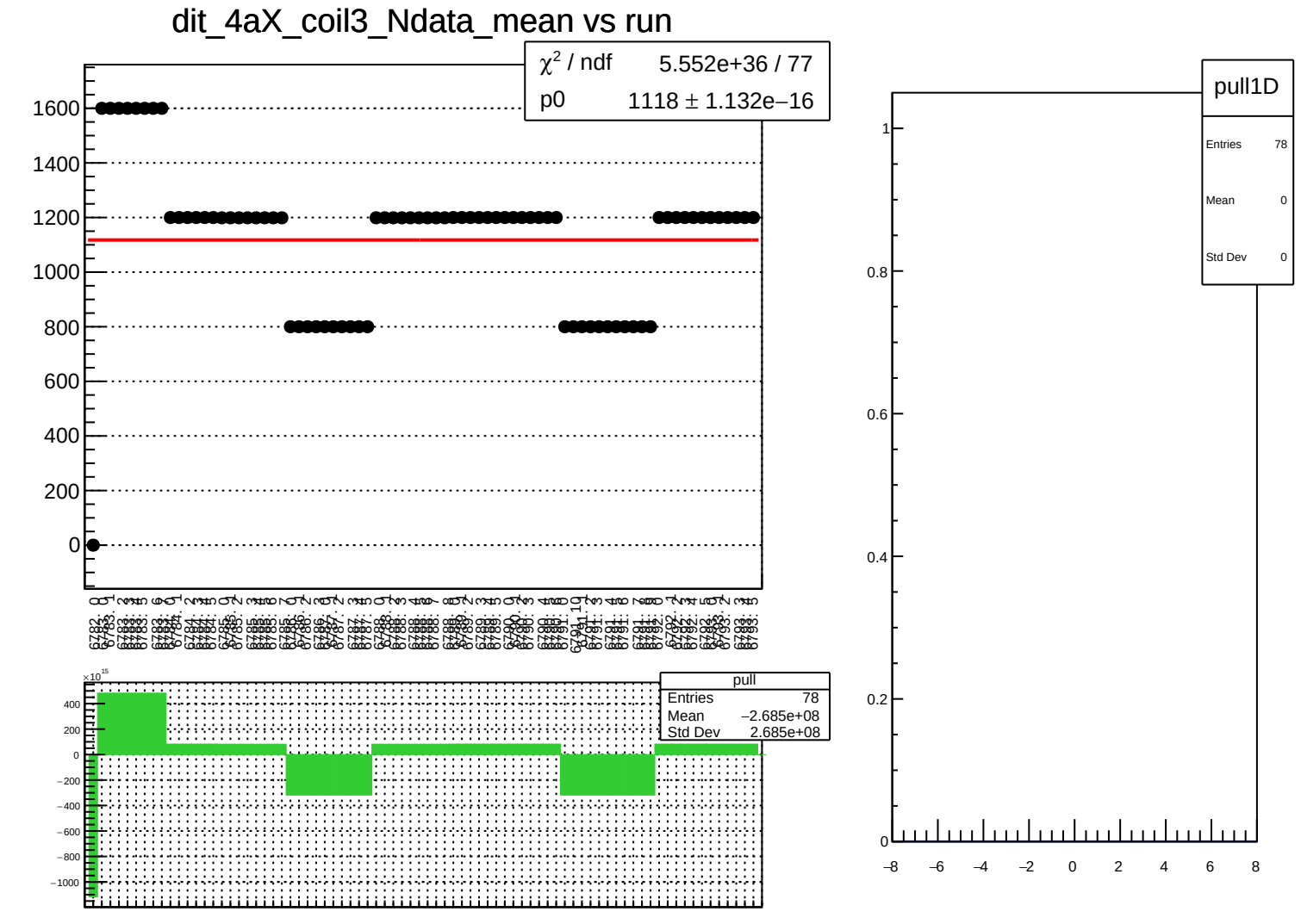

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

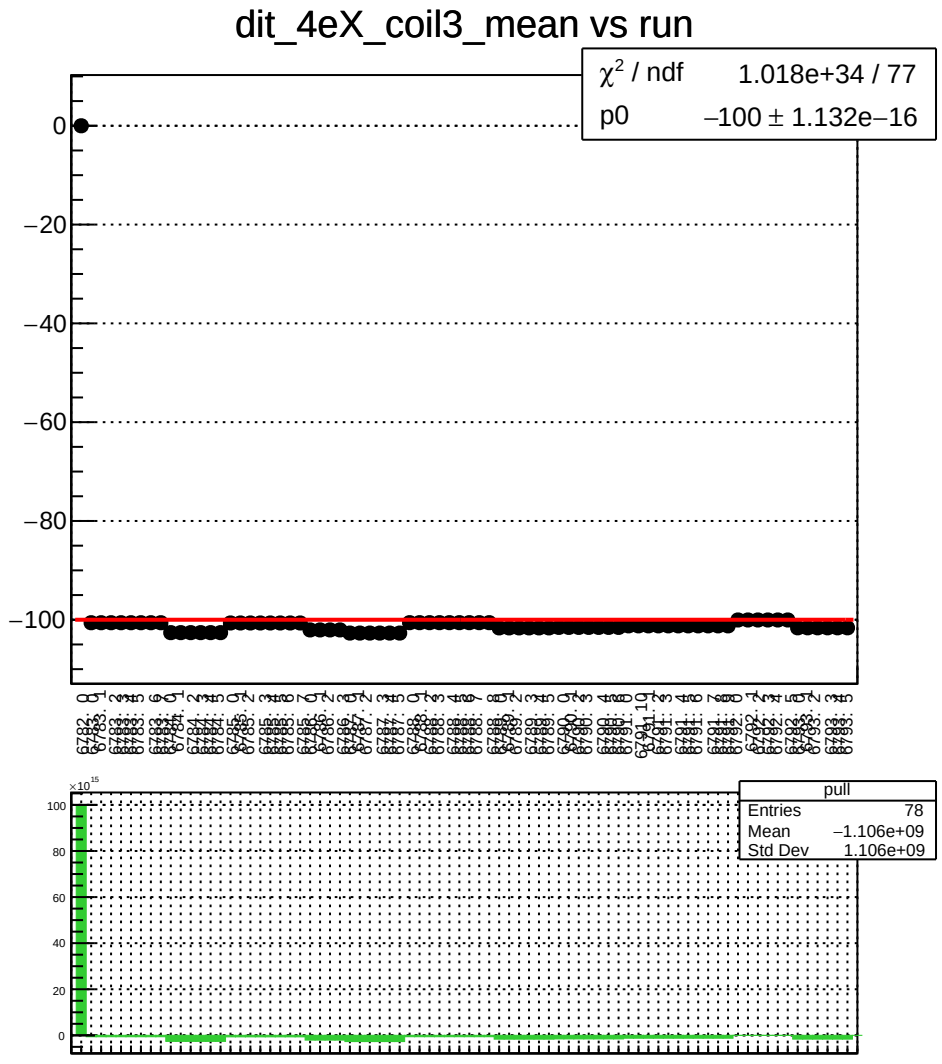

dit_4aX_coil3_mean vs run
χ² / ndf 5.159e+33 / 77
p0 −71.06 ± 1.132e−16
pull
Entries 78
Mean 6.262e+09
Std Dev 6.262e+09

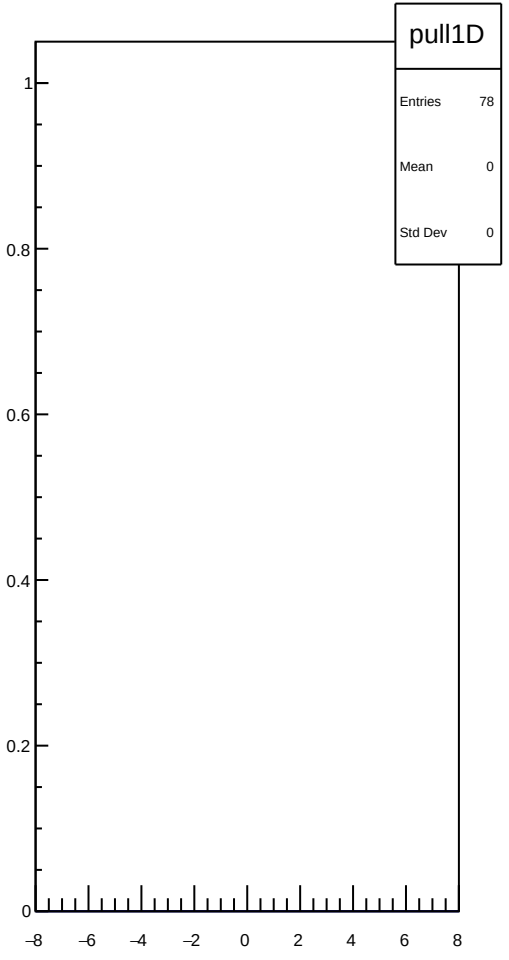

pull1D
Entries 78
Mean 0
Std Dev 0

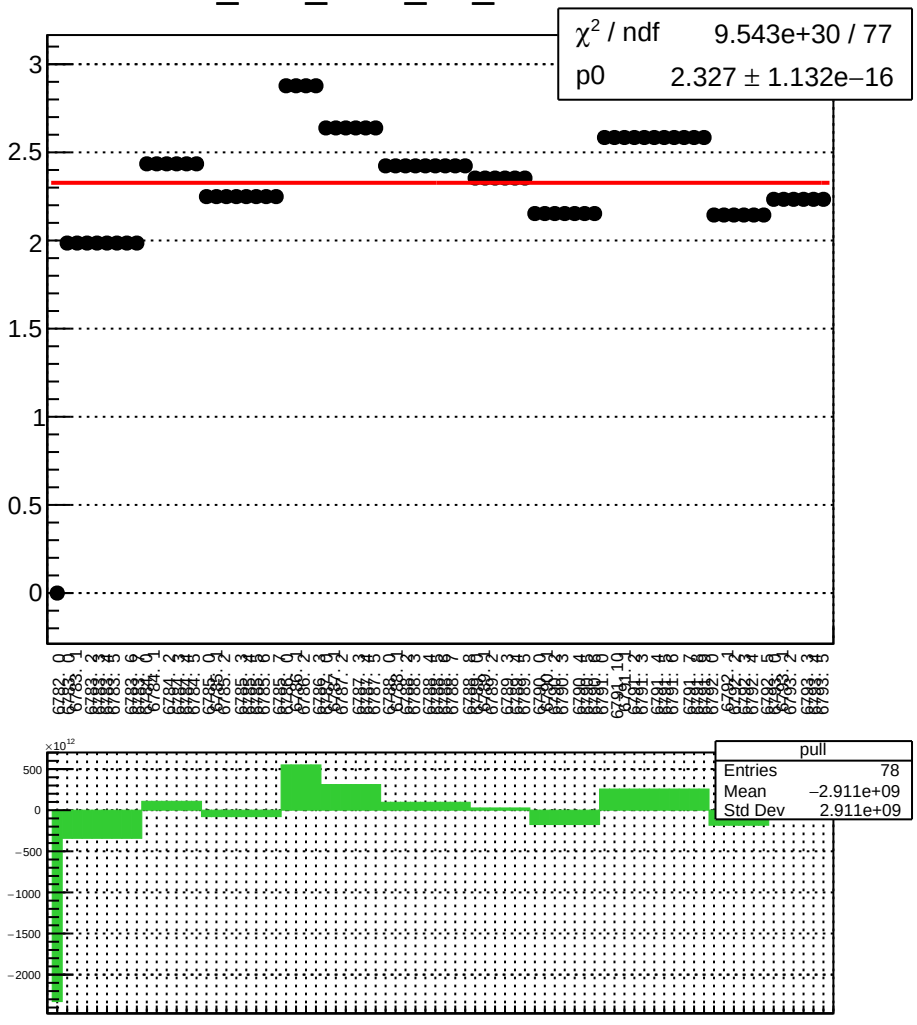

dit_4aX_coil3_err_mean vs run
χ² / ndf 7.464e+30 / 77
p0 1.765 ± 1.132e−16
pull
Entries 78
Mean −5.199e+08
Std Dev 5.199e+08

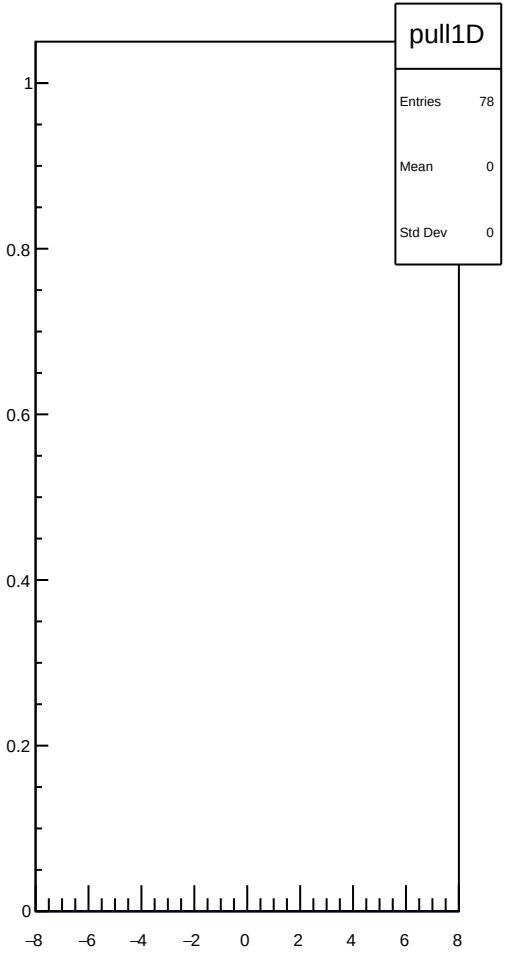

pull1D
Entries 78
Mean 0
Std Dev 0

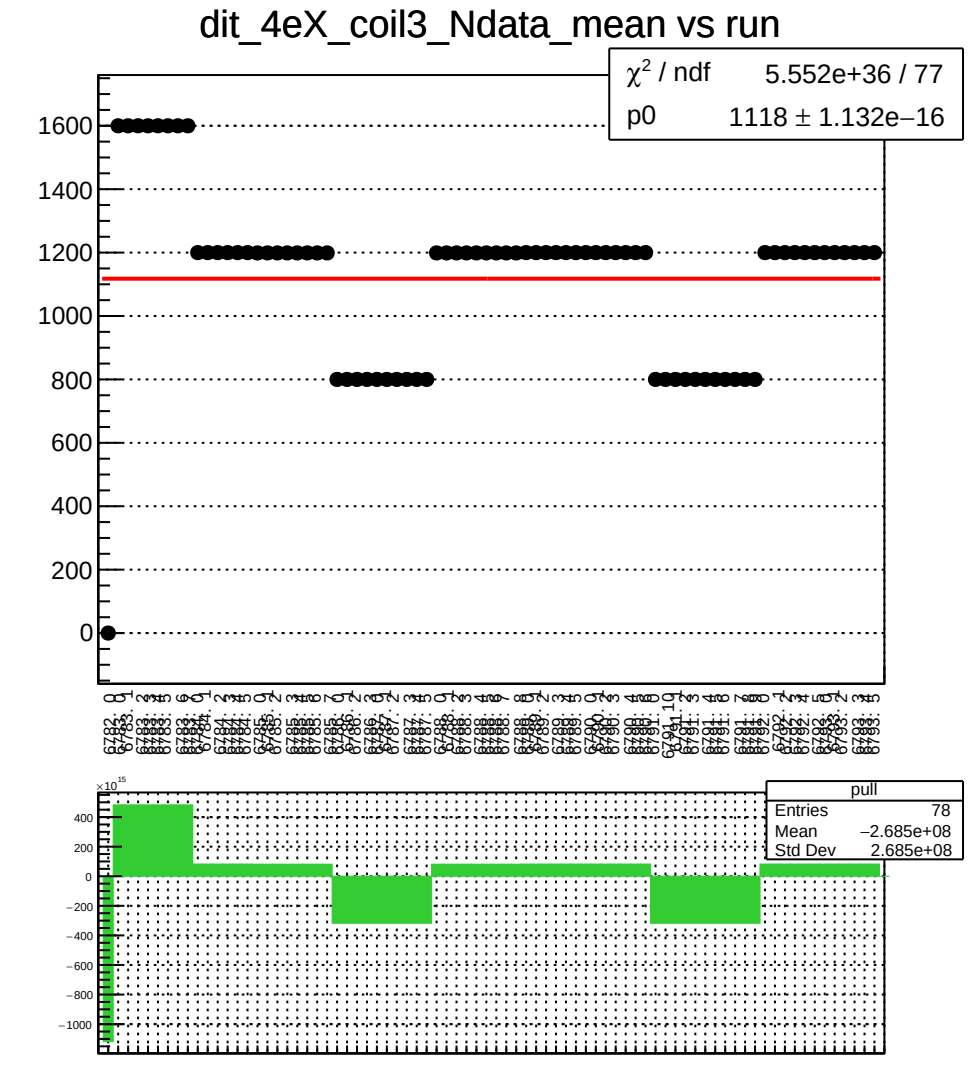

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

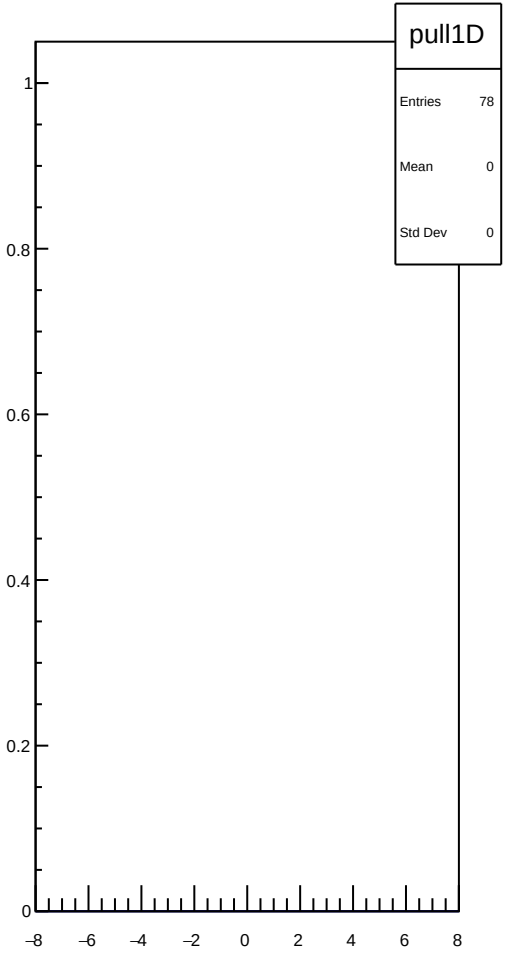

dit_4eX_coil3_mean vs run
χ^2 / ndf 1.018e+34 / 77
p0 −100 ± 1.132e−16
0
−20
−40
−60
−80
−100
pull
Entries 78
Mean −1.106e+09
Std Dev 1.106e+09
×10^15
100
80
60
40
20
0

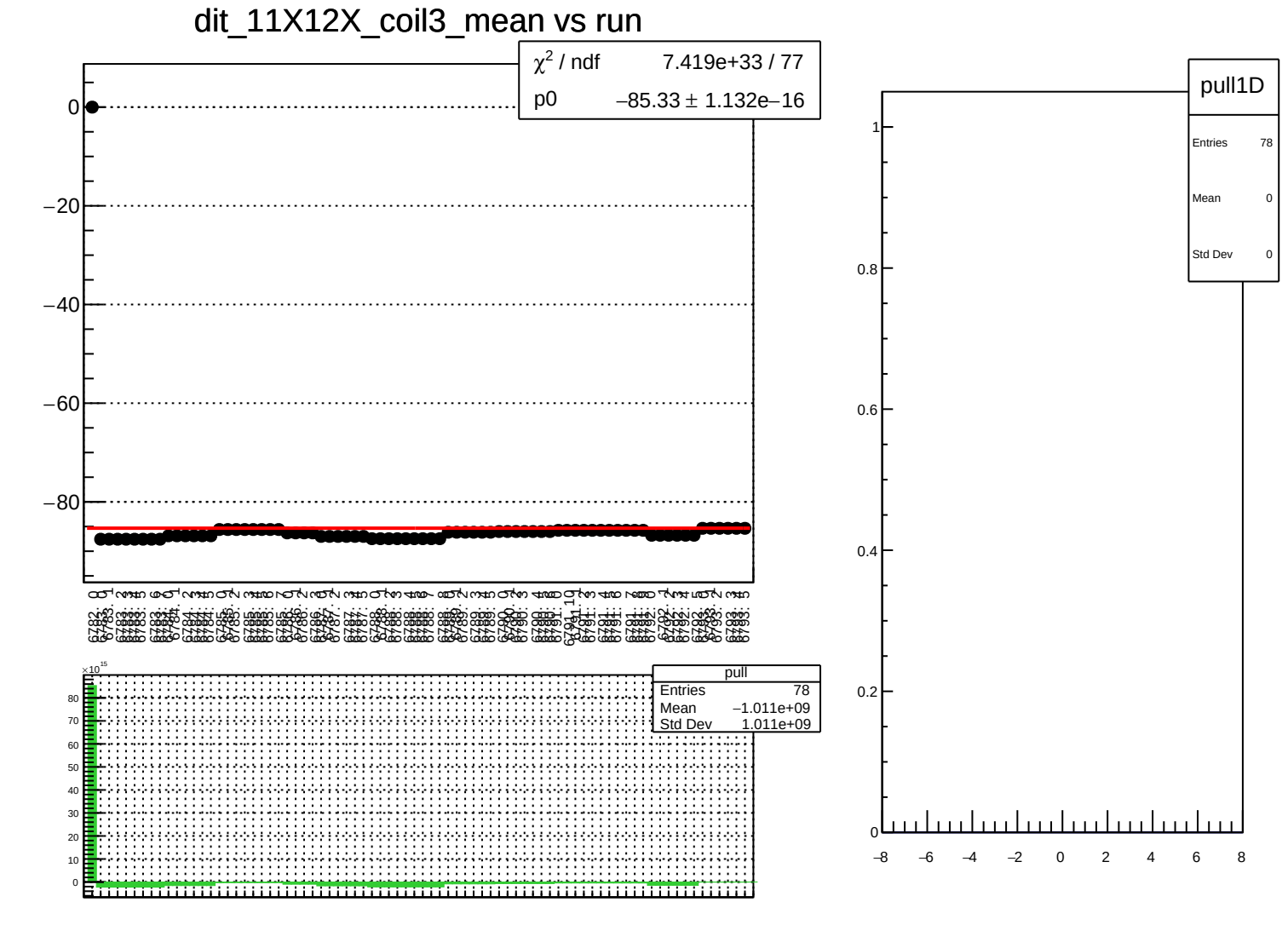

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

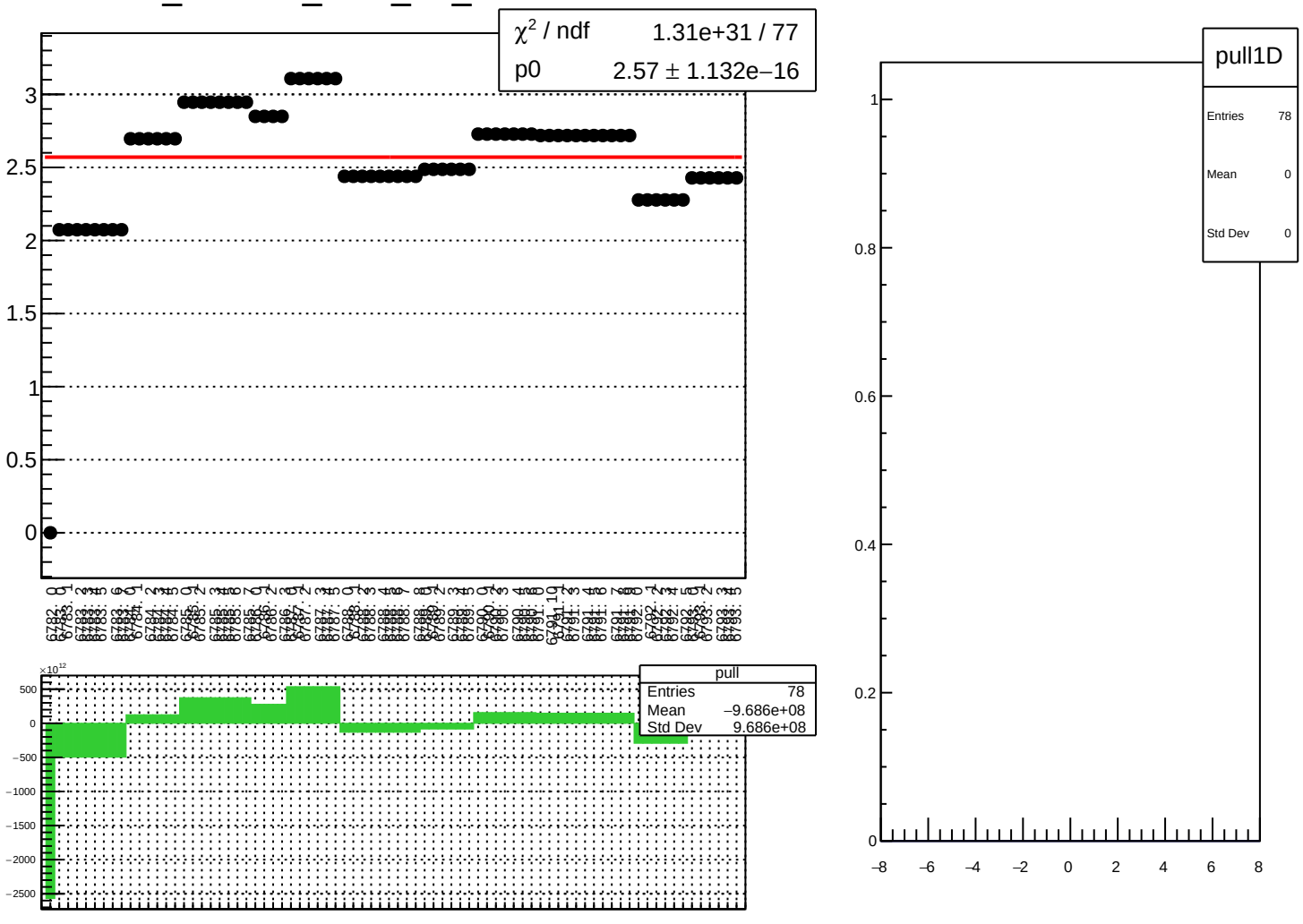

dit_4eX_coil3_err_mean vs run
χ² / ndf 9.543e+30 / 77
p0 2.327 ± 1.132e−16
pull
Entries 78
Mean −2.911e+09
Std Dev 2.911e+09

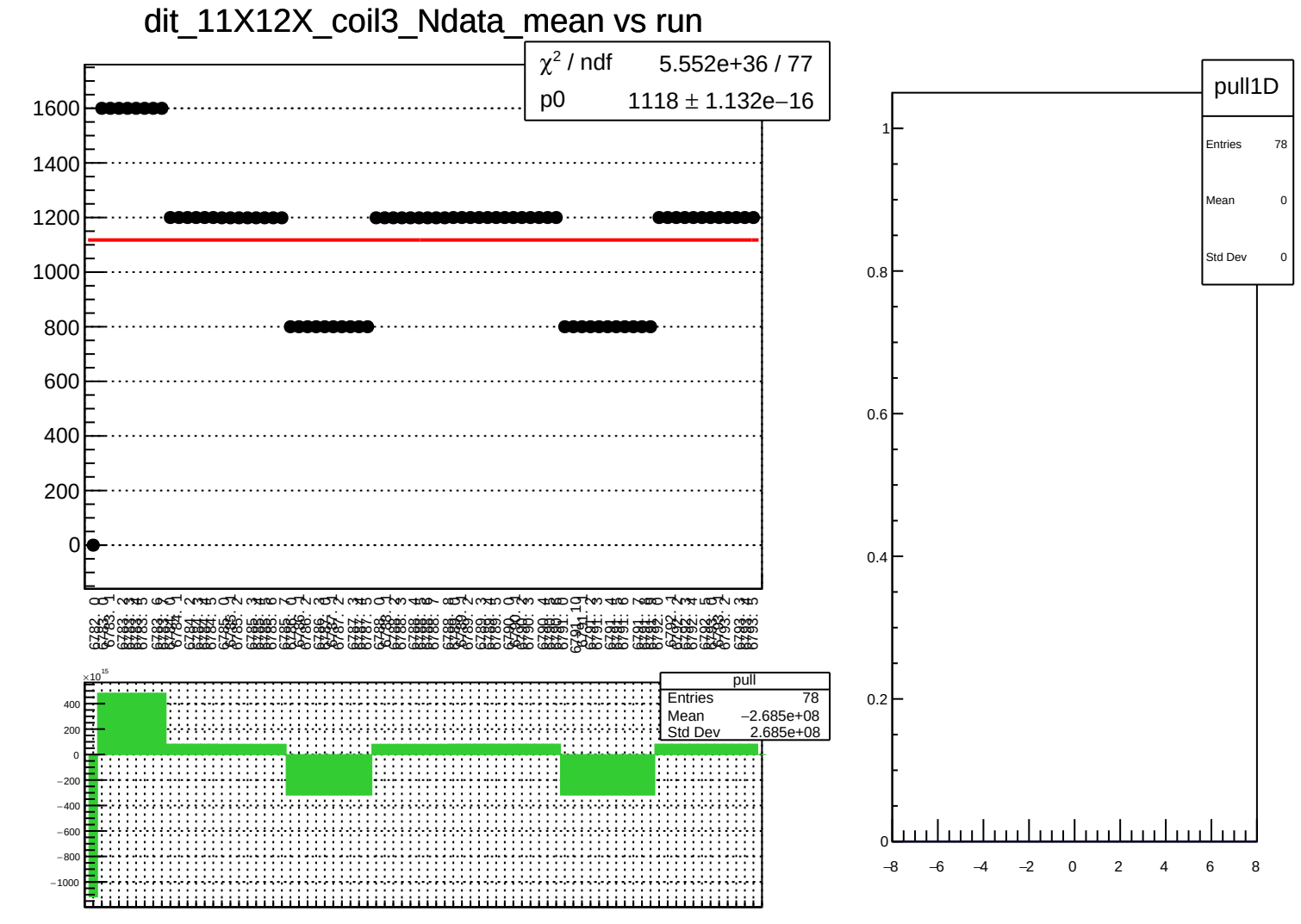

pull1D
Entries 78
Mean 0
Std Dev 0

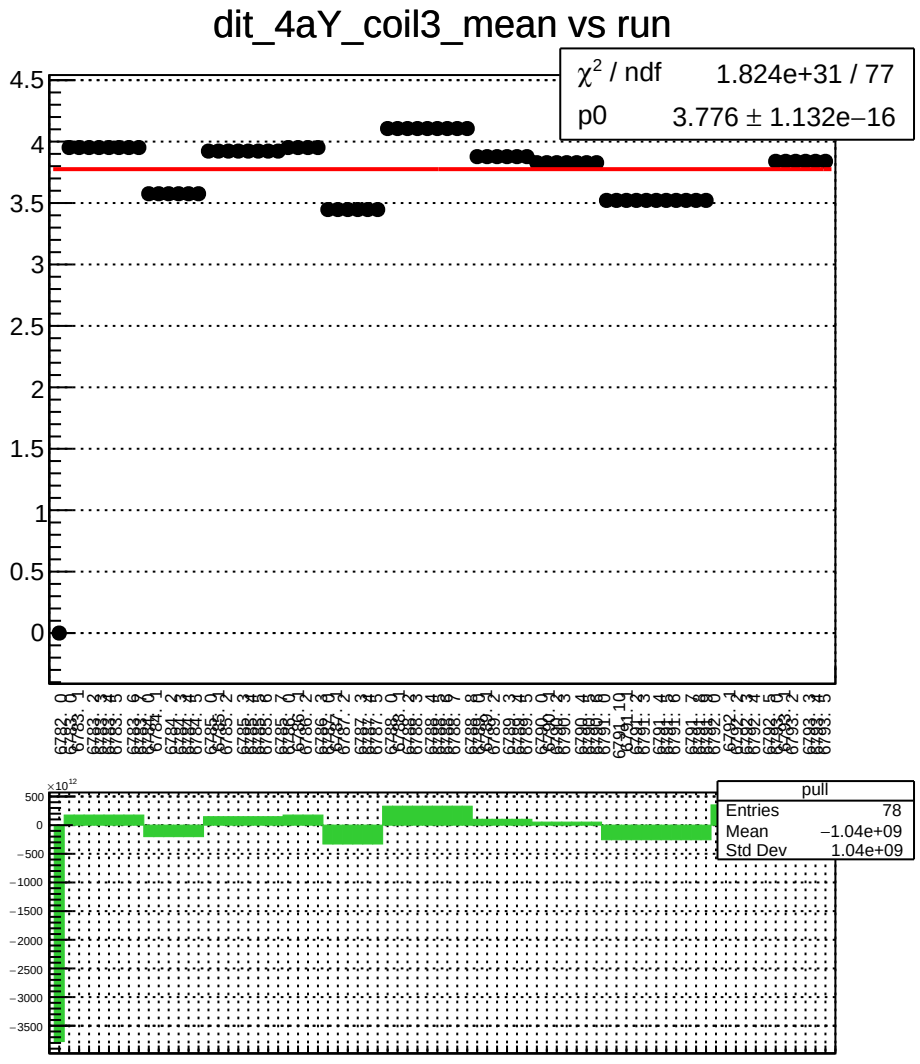

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

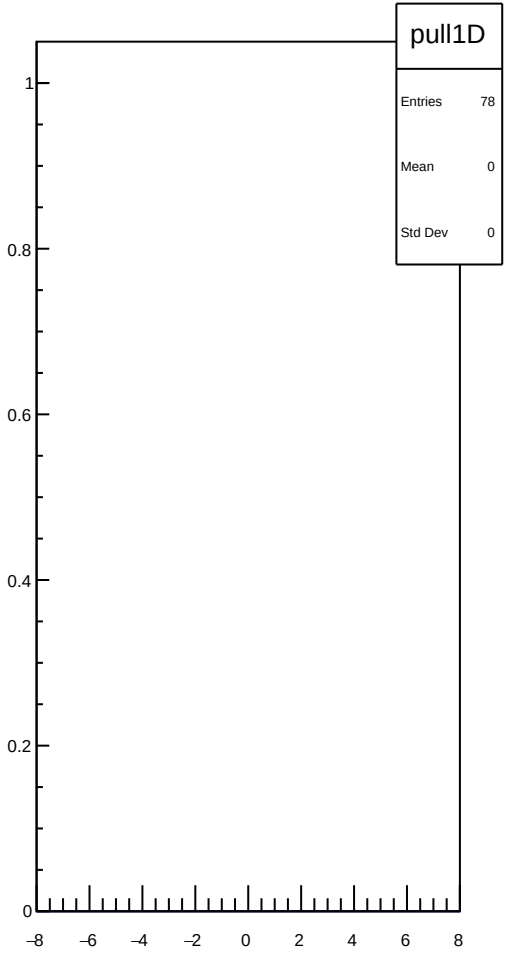

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

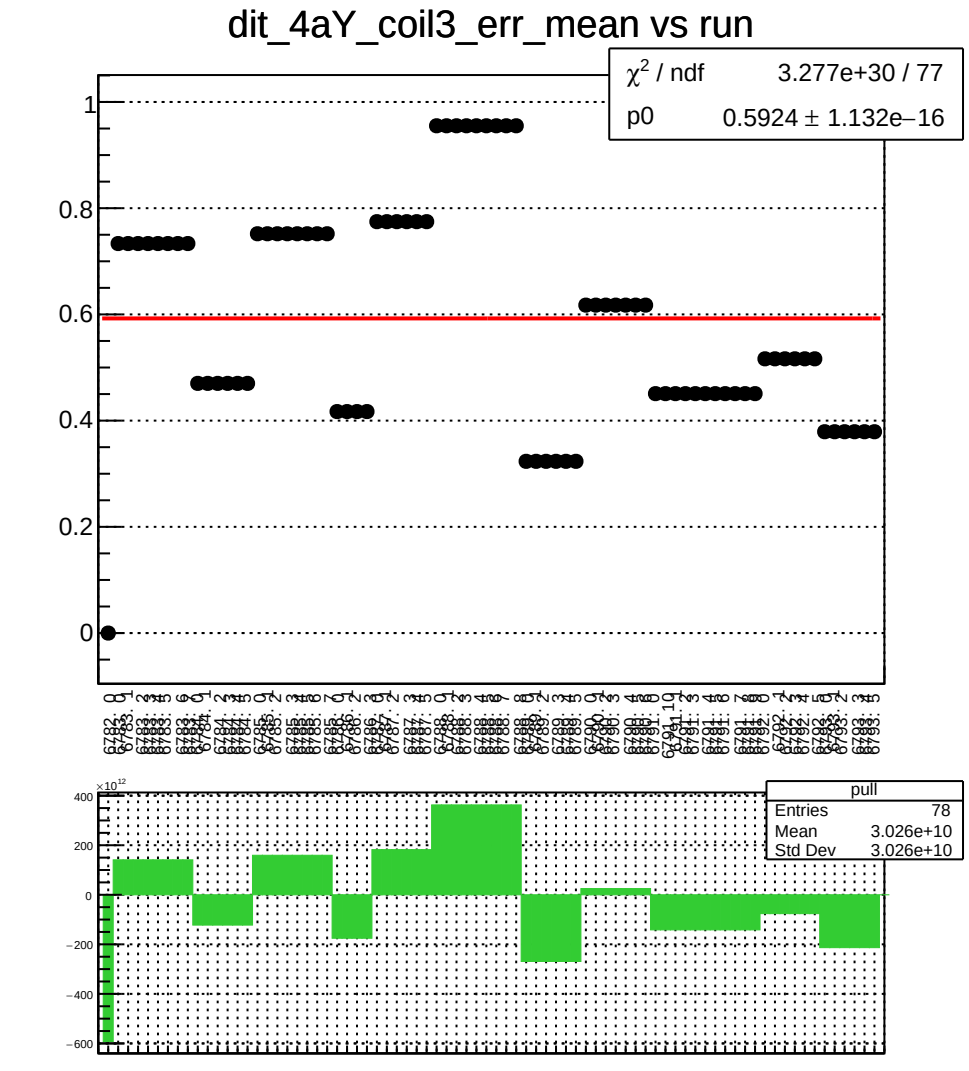

dit_11X12X_coil3_mean vs run
χ² / ndf 7.419e+33 / 77
p0 −85.33 ± 1.132e−16
0
−20
−40
−60
−80
pull
Entries 78
Mean −1.011e+09
Std Dev 1.011e+09
pull1D
Entries 78
Mean 0
Std Dev 0

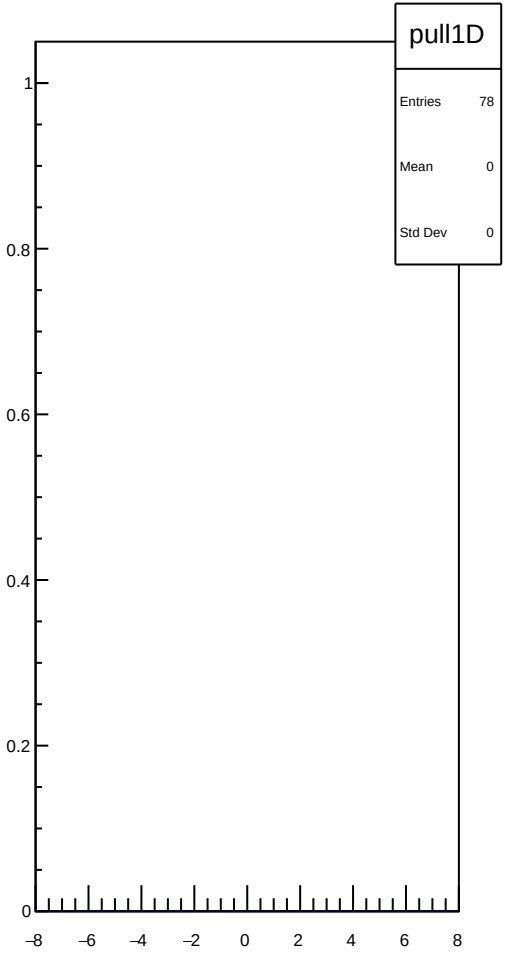

dit_11X12X_coil3_err_mean vs run
χ² / ndf 1.31e+31 / 77
p0 2.57 ± 1.132e−16
pull
Entries 78
Mean −9.686e+08
Std Dev 9.686e+08
pull1D
Entries 78
Mean 0
Std Dev 0

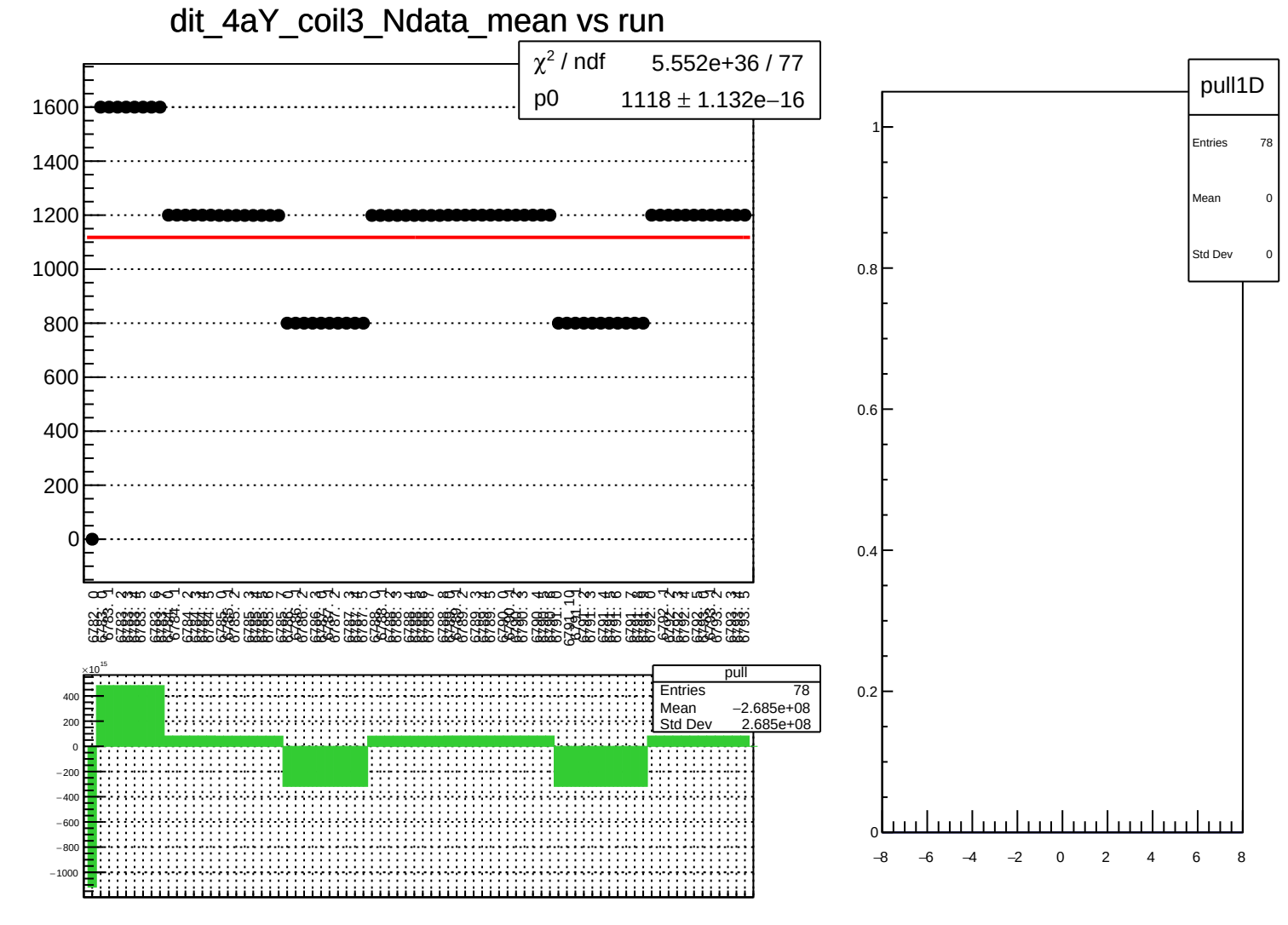

dit_11X12X_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

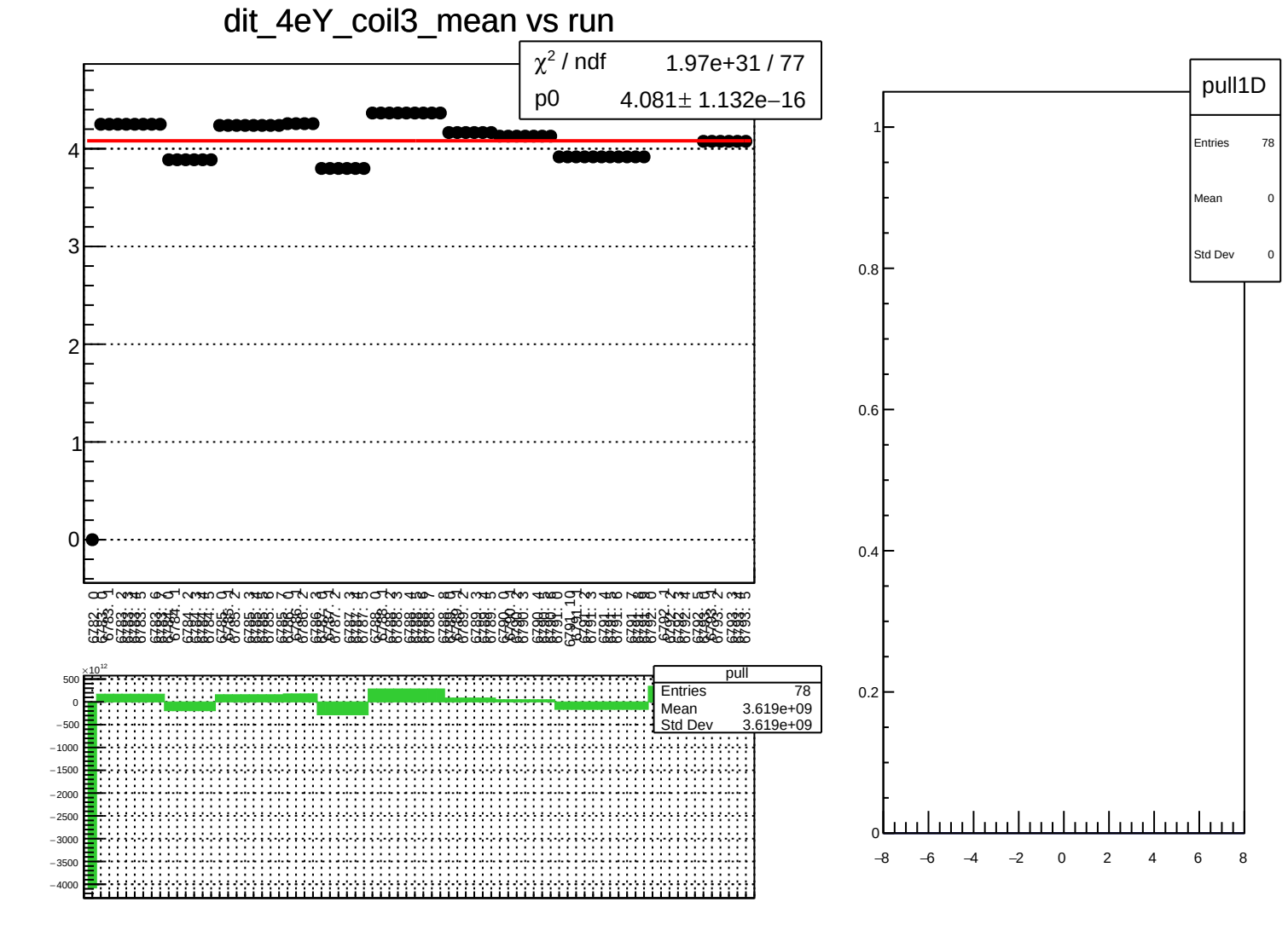

dit_4aY_coil3_mean vs run
χ² / ndf 1.824e+31 / 77
p0 3.776 ± 1.132e−16
pull
Entries 78
Mean −1.04e+09
Std Dev 1.04e+09

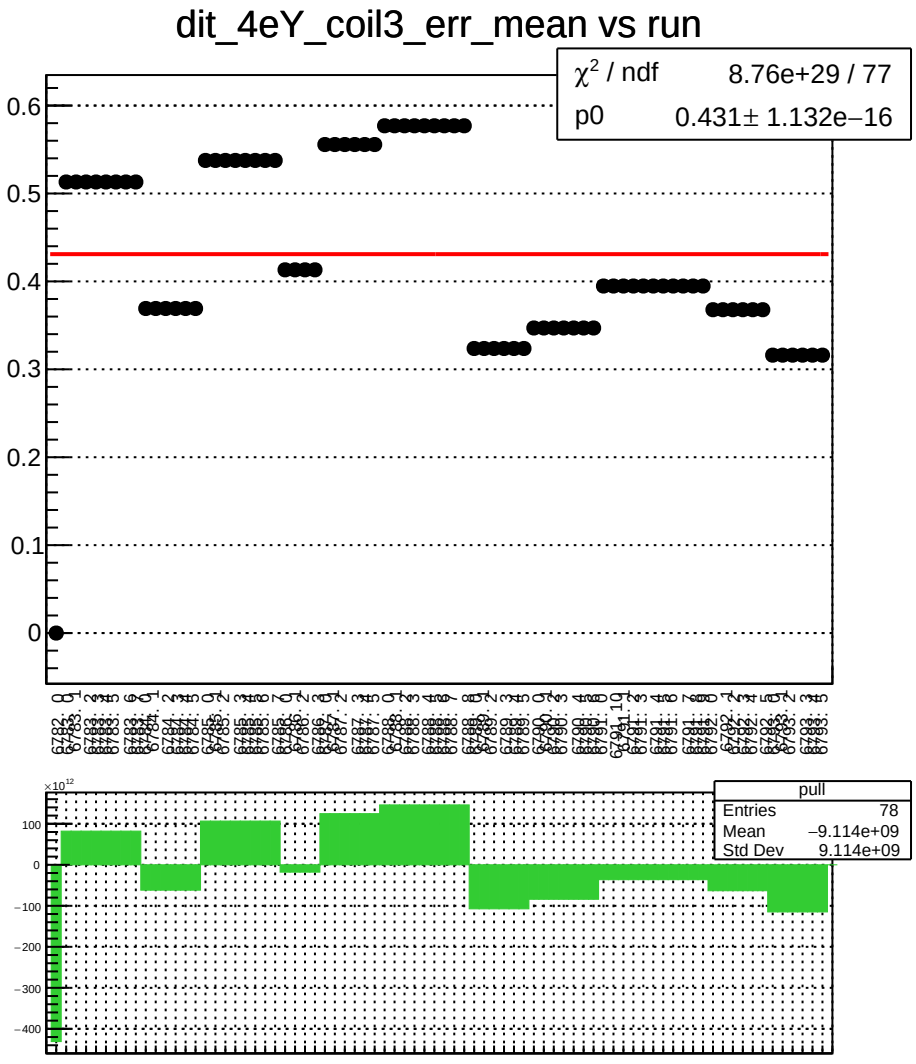

pull1D
Entries 78
Mean 0
Std Dev 0

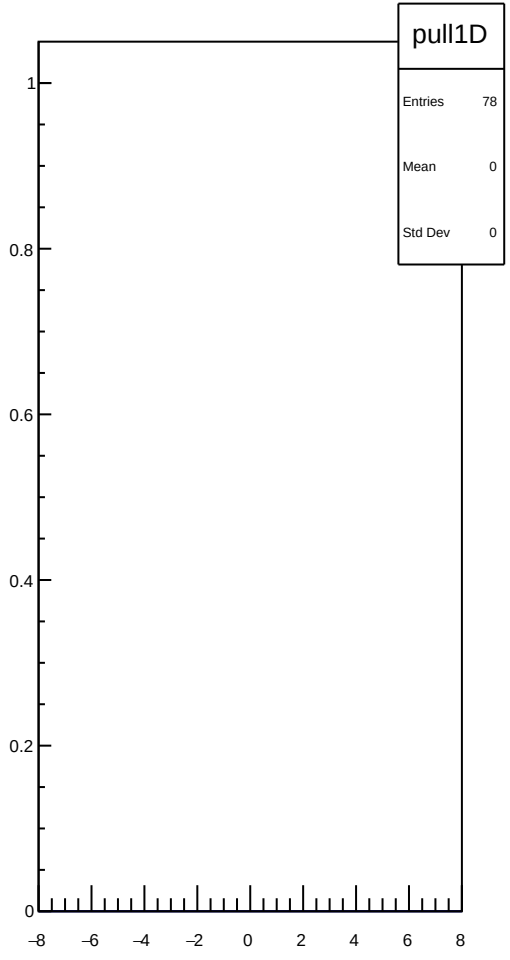

dit_4aY_coil3_err_mean vs run
χ² / ndf 3.277e+30 / 77
p0 0.5924 ± 1.132e−16
pull
Entries 78
Mean 3.026e+10
Std Dev 3.026e+10

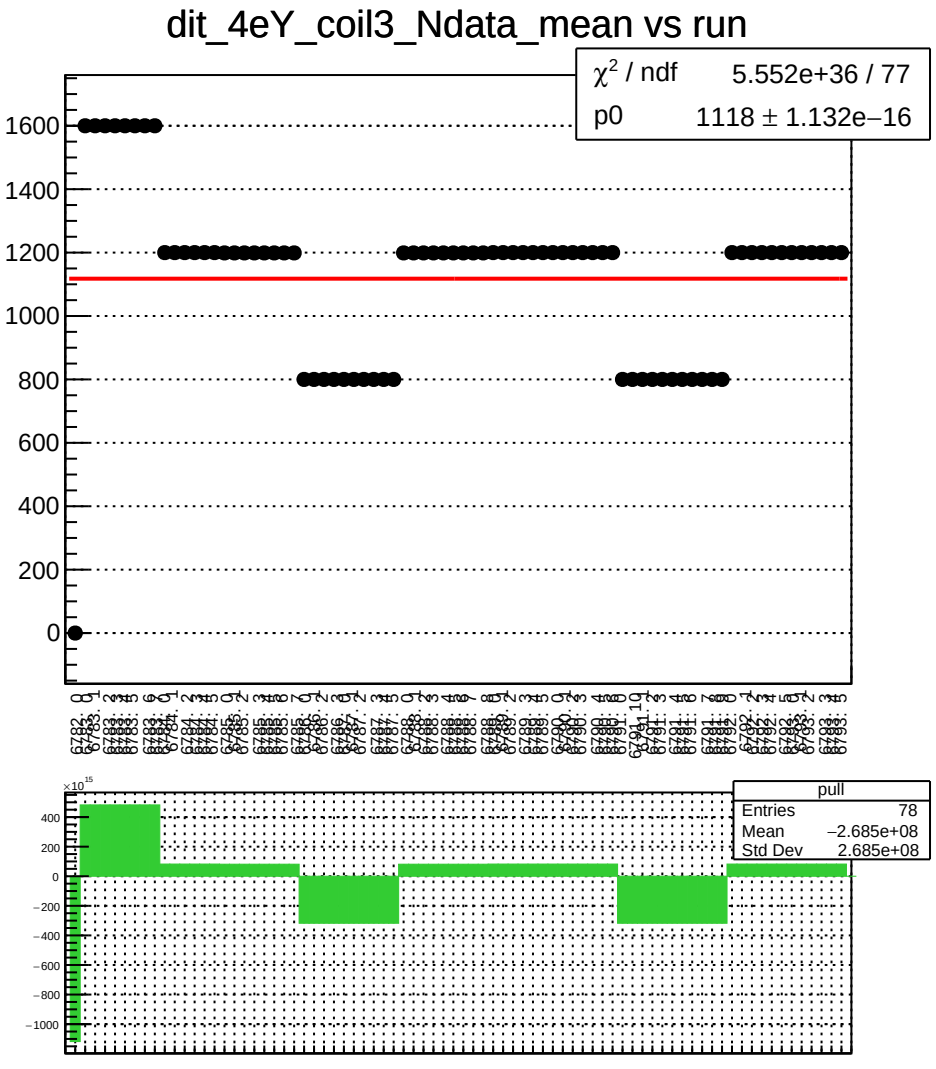

pull1D
Entries 78
Mean 0
Std Dev 0

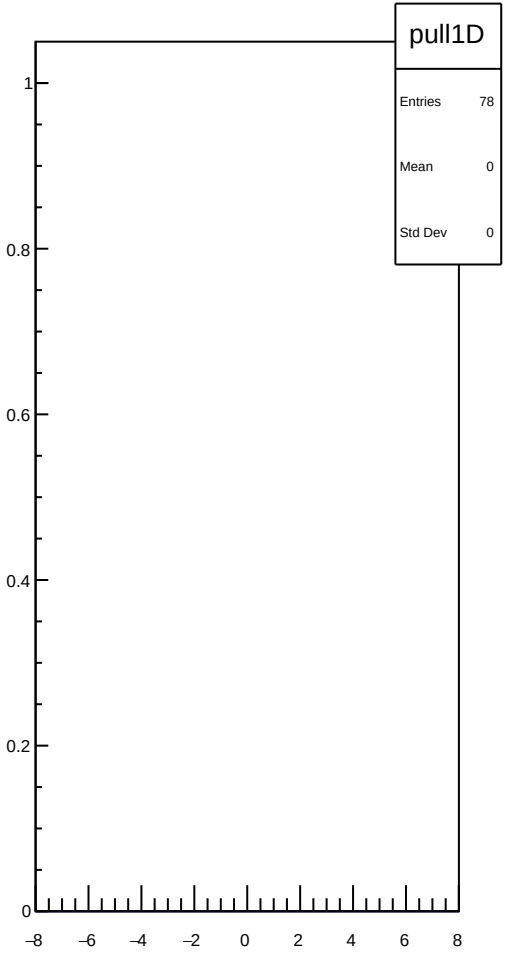

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

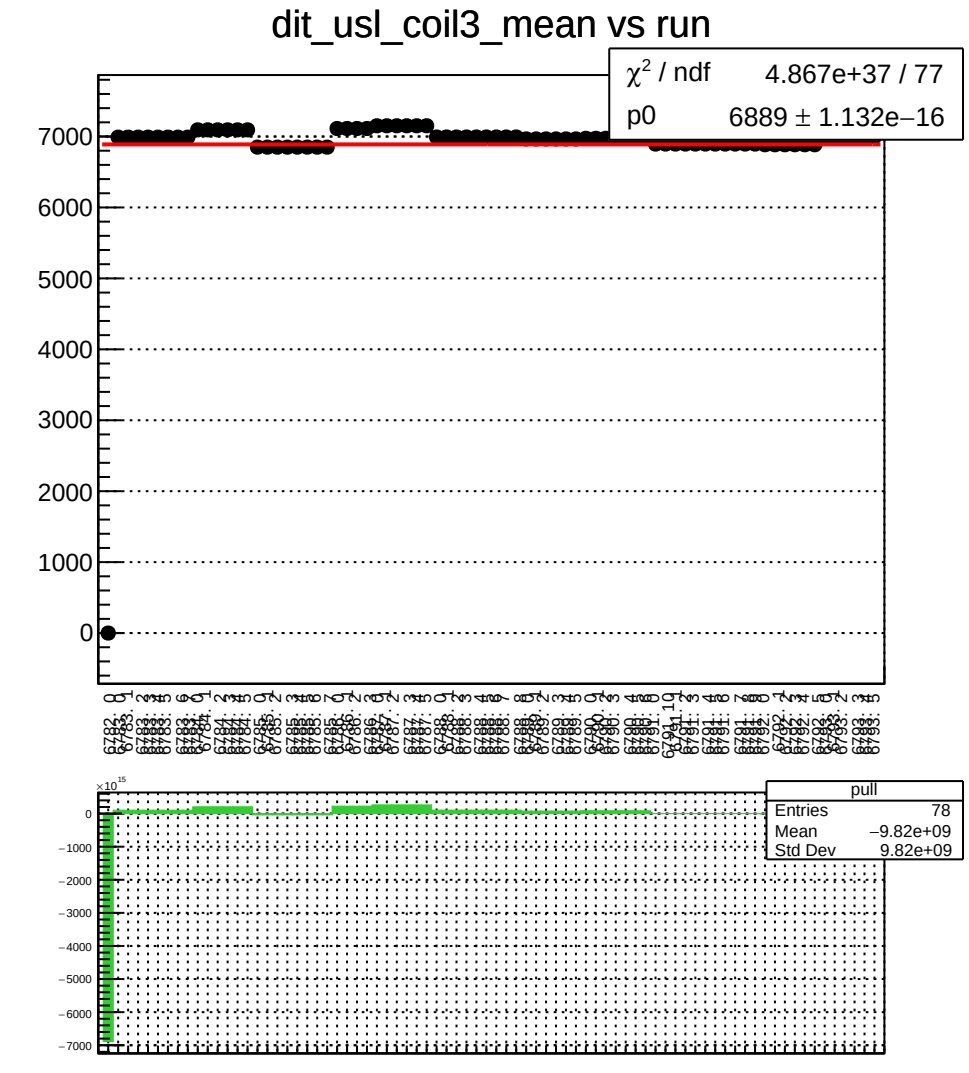

dit_4eY_coil3_mean vs run
χ² / ndf 1.97e+31 / 77
p0 4.081± 1.132e−16
pull
Entries 78
Mean 3.619e+09
Std Dev 3.619e+09
pull1D
Entries 78
Mean 0
Std Dev 0

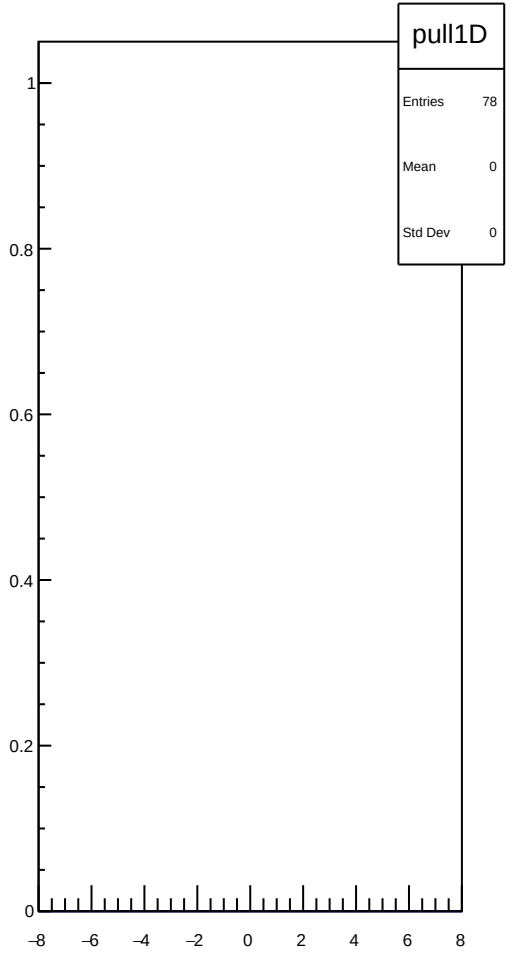

dit_4eY_coil3_err_mean vs run
χ² / ndf 8.76e+29 / 77
p0 0.431± 1.132e−16
pull
Entries 78
Mean −9.114e+09
Std Dev 9.114e+09

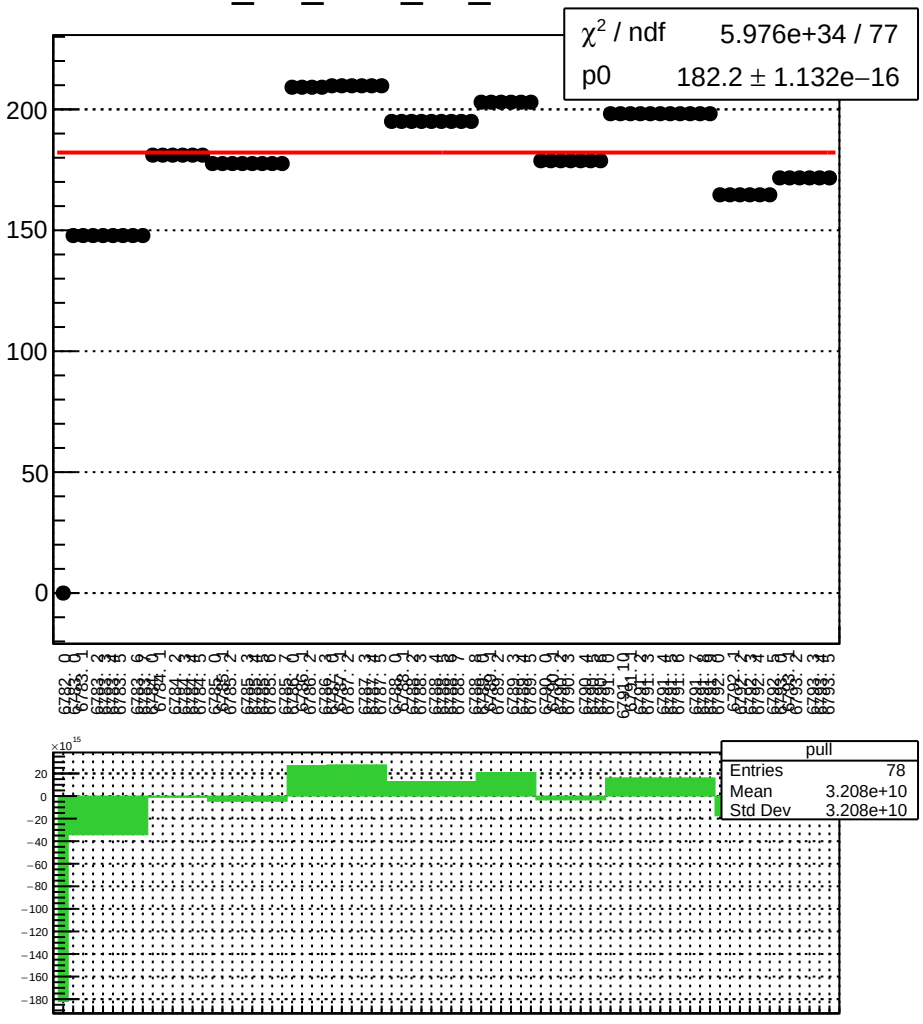

pull1D
Entries 78
Mean 0
Std Dev 0

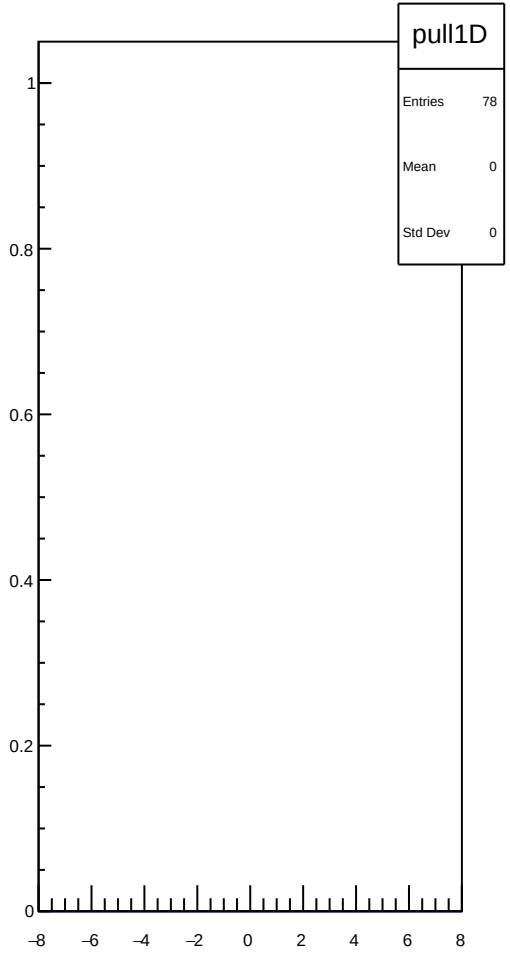

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08

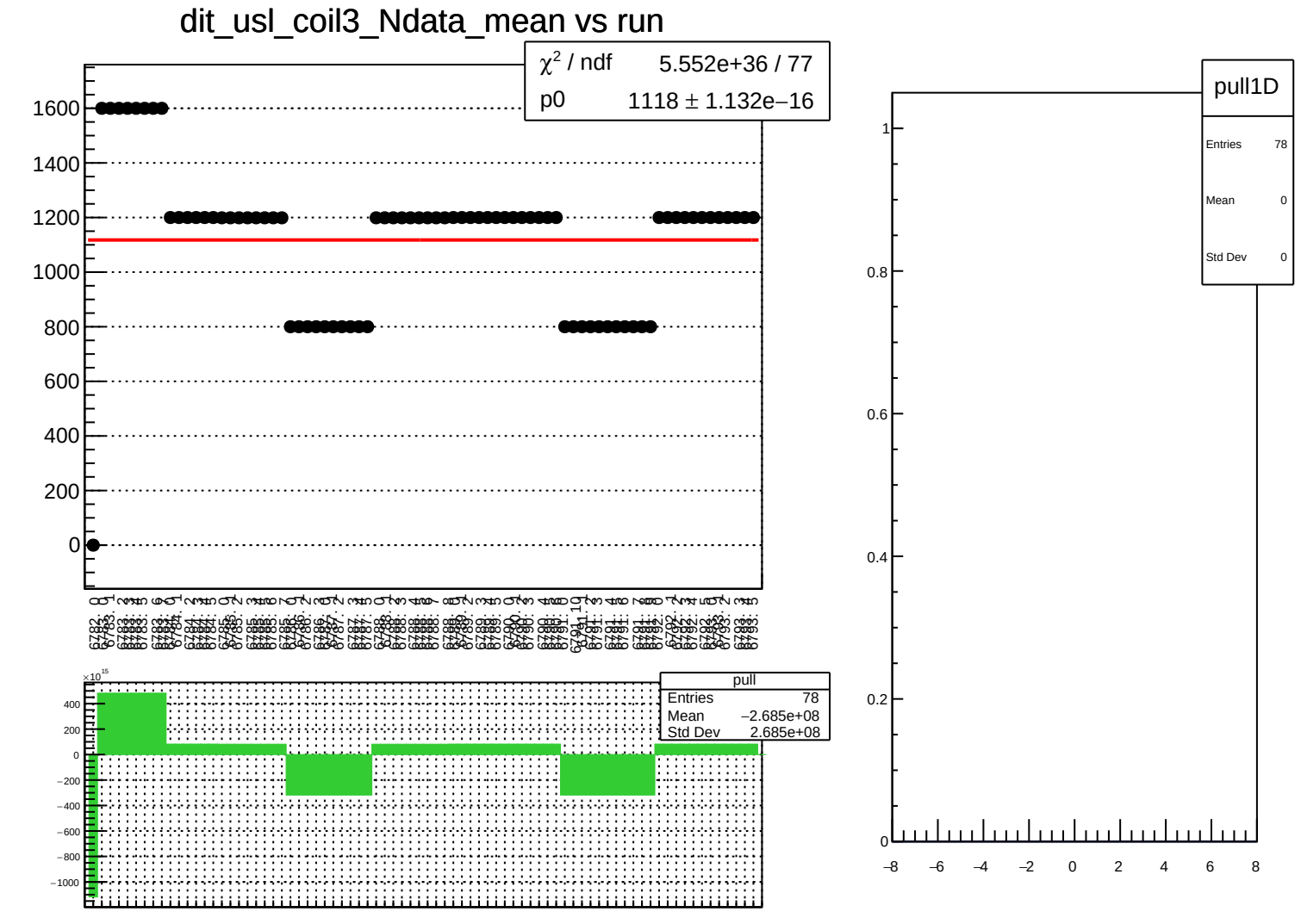

pull1D
Entries 78
Mean 0
Std Dev 0

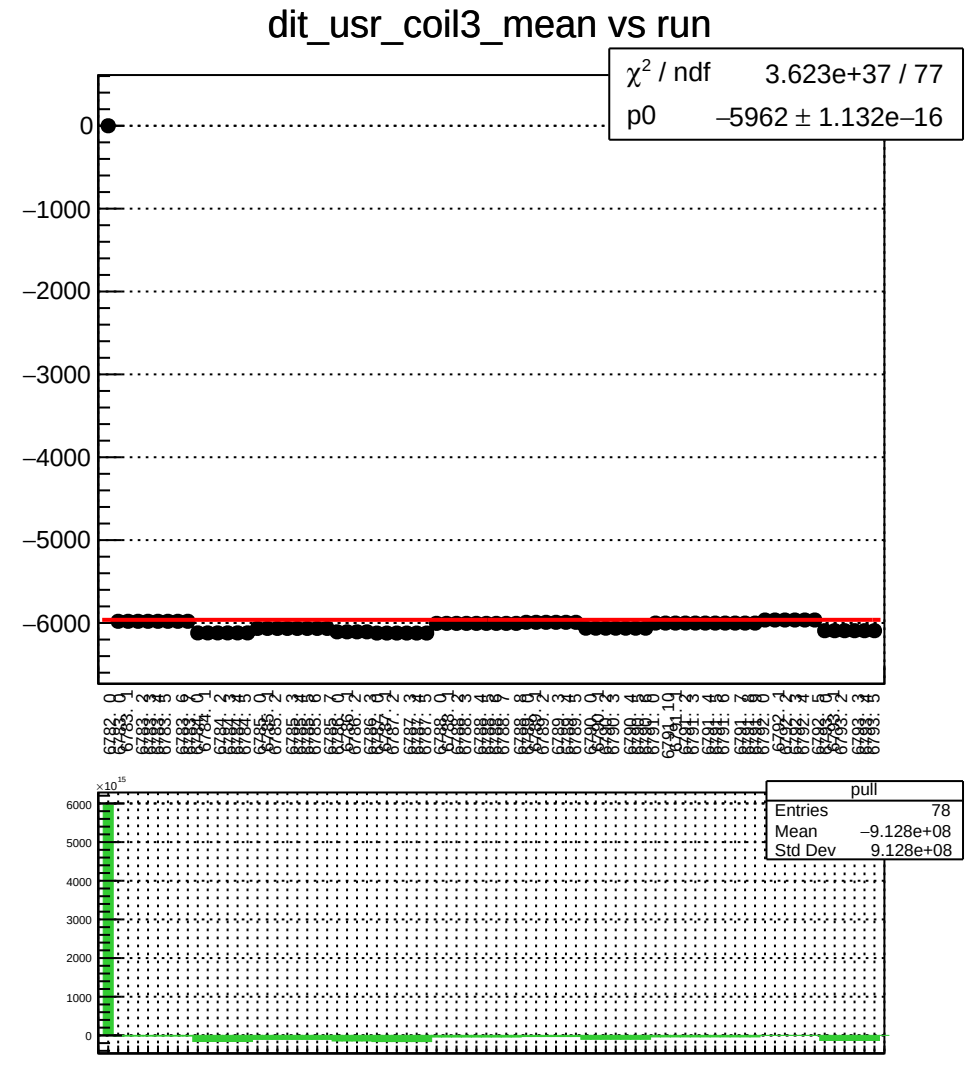

dit_usl_coil3_mean vs run
χ² / ndf 4.867e+37 / 77
p0 6889 ± 1.132e−16
pull
Entries 78
Mean −9.82e+09
Std Dev 9.82e+09

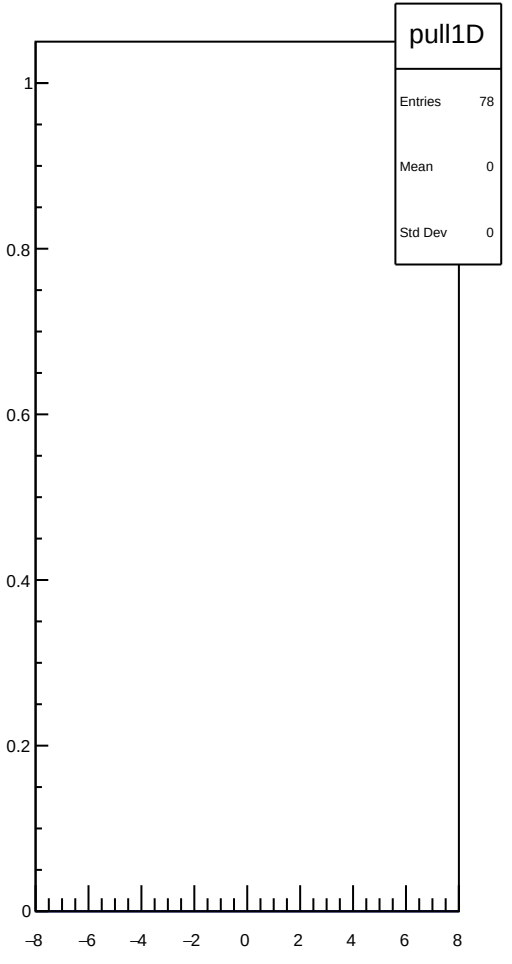

pull1D
Entries 78
Mean 0
Std Dev 0

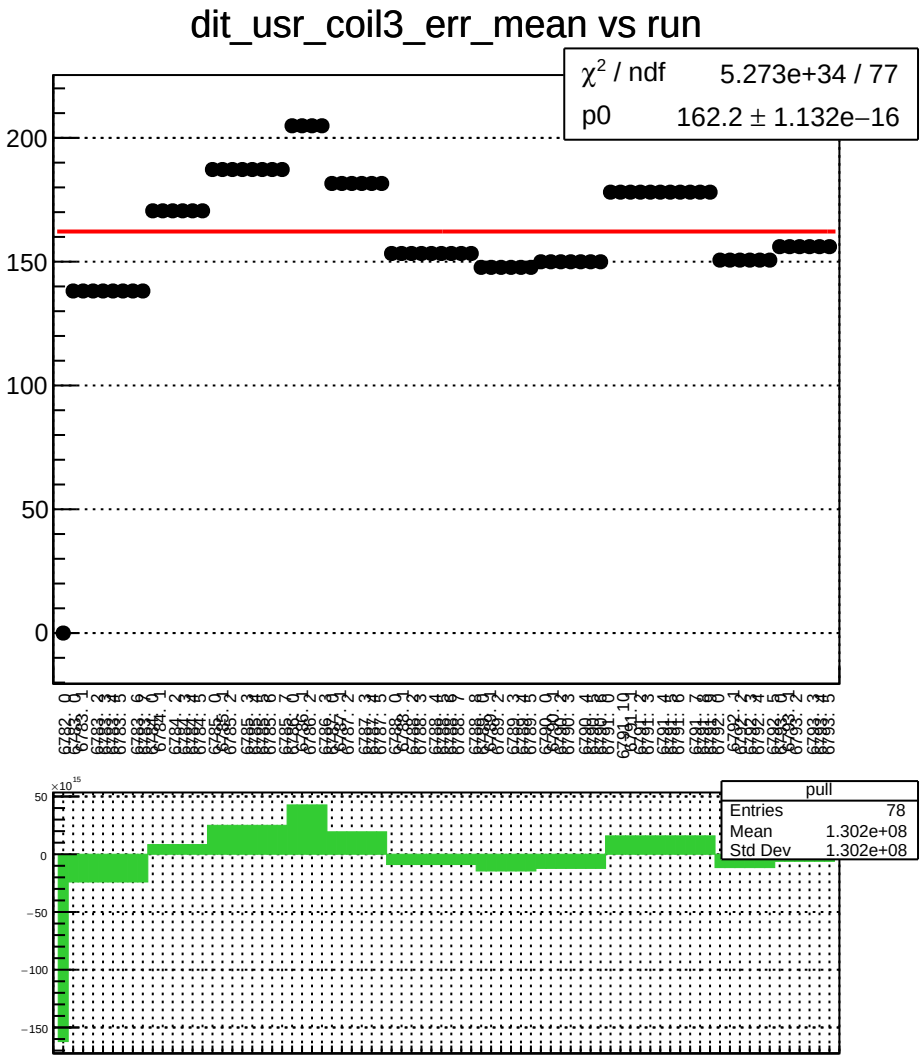

dit_usl_coil3_err_mean vs run
χ² / ndf 5.976e+34 / 77
p0 182.2 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 3.208e+10
Std Dev 3.208e+10
×10¹⁵
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180

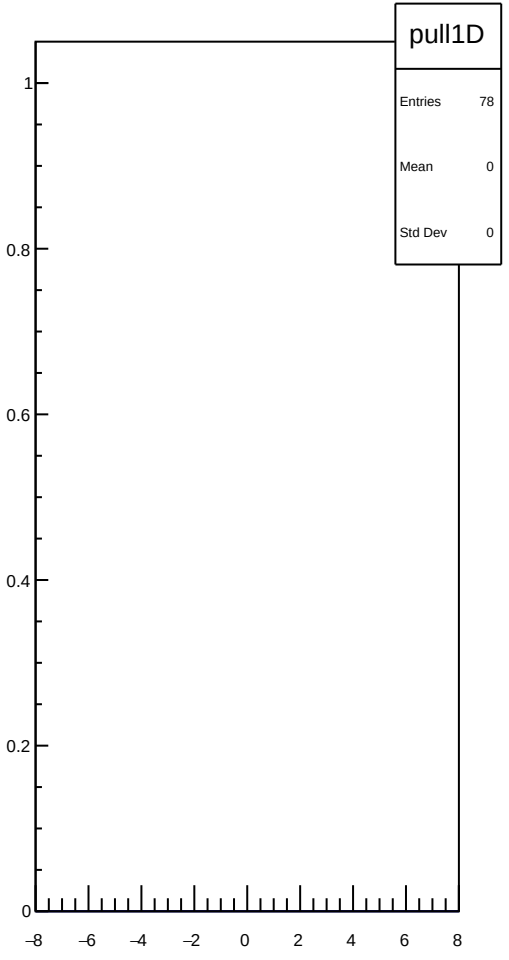

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

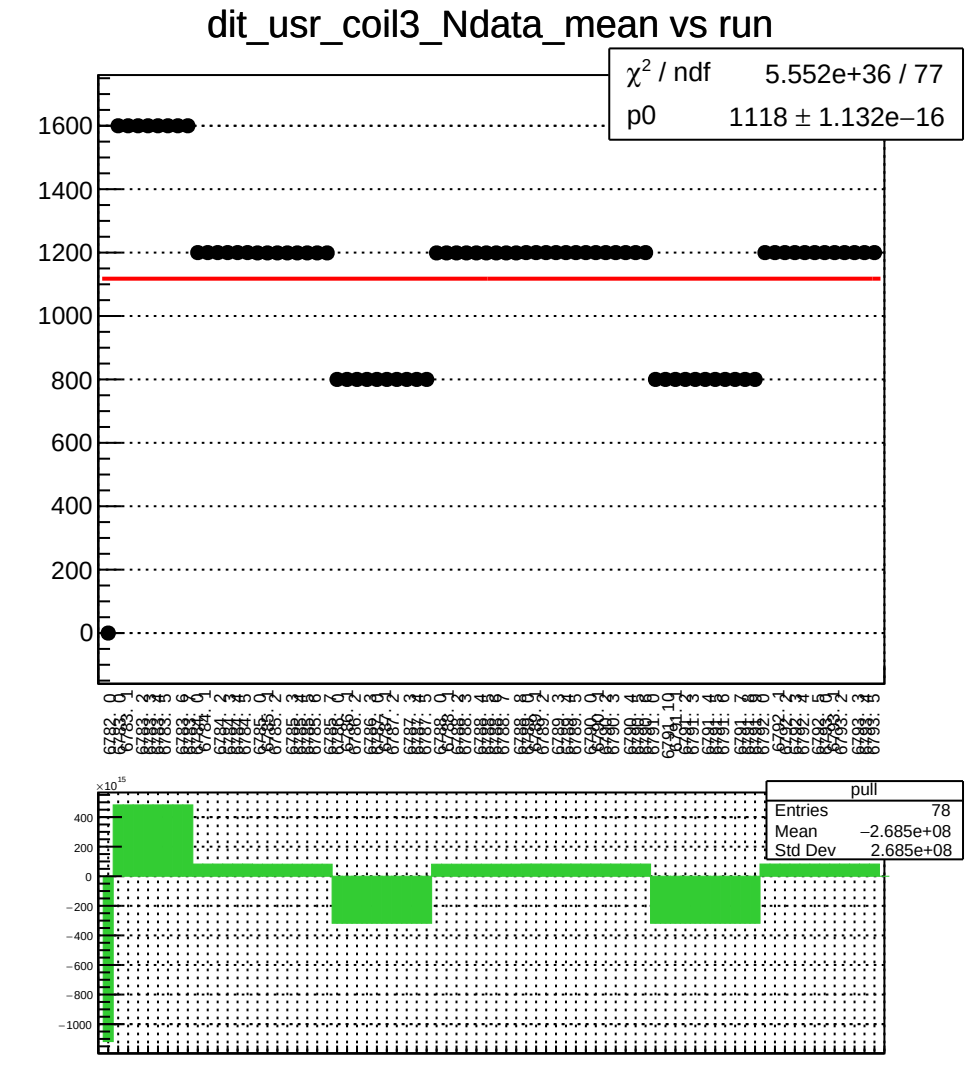

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

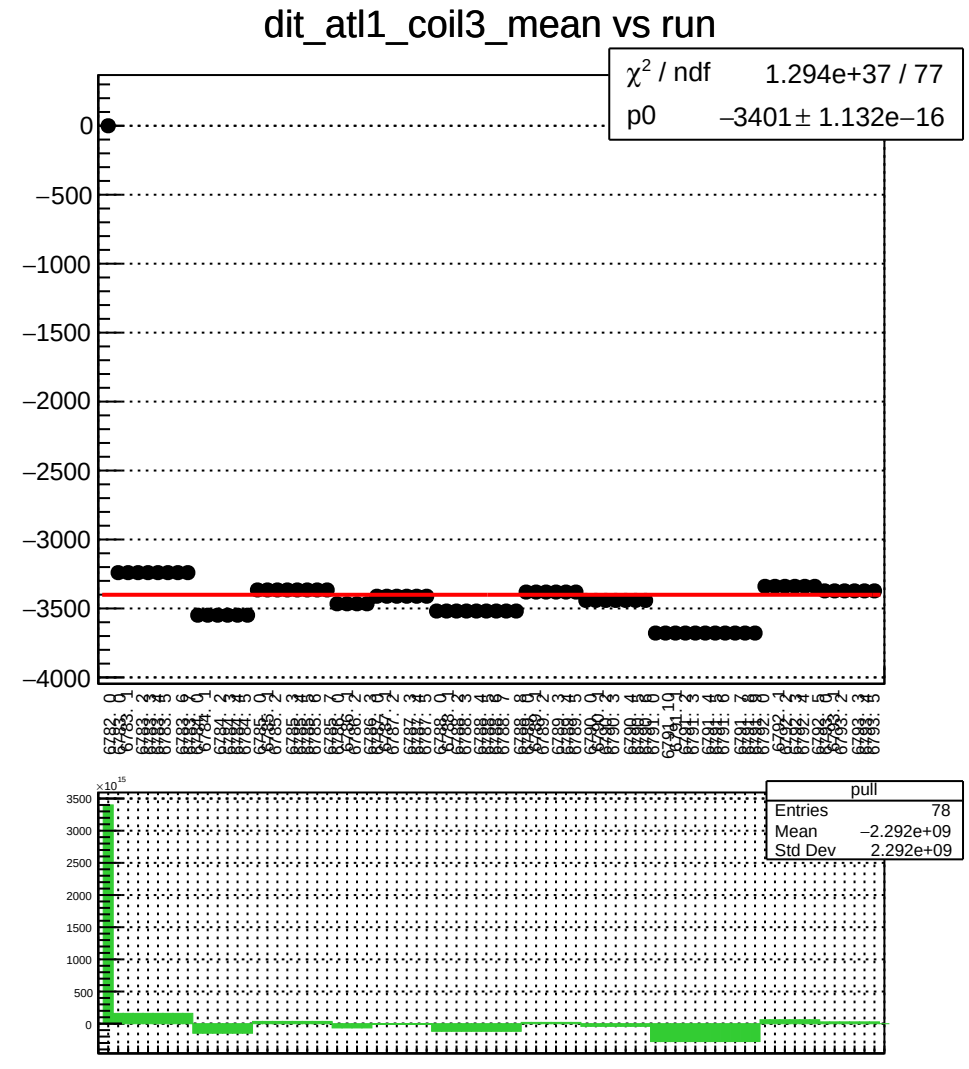

dit_usr_coil3_mean vs run
χ² / ndf 3.623e+37 / 77
p0 –5962 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 78
Mean –9.128e+08
Std Dev 9.128e+08
×10¹⁵
6000
5000
4000
3000
2000
1000
0

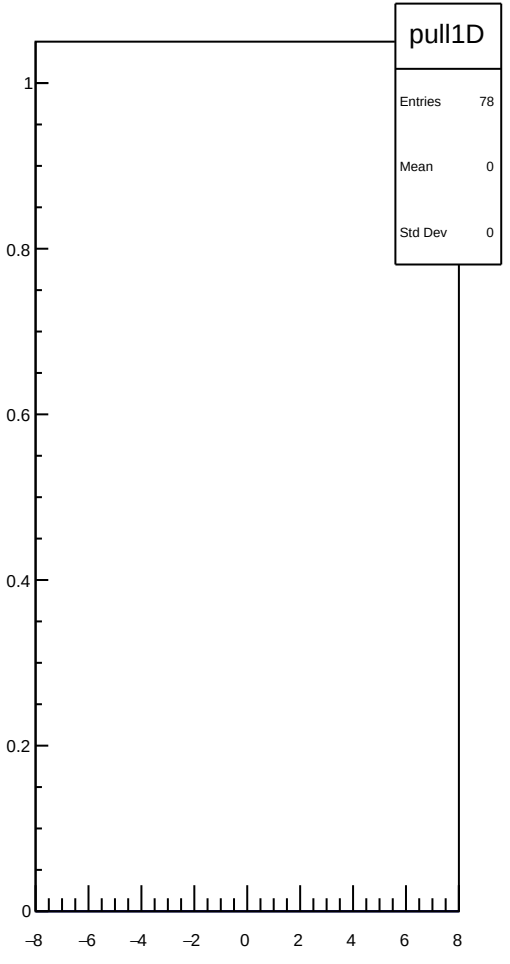

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

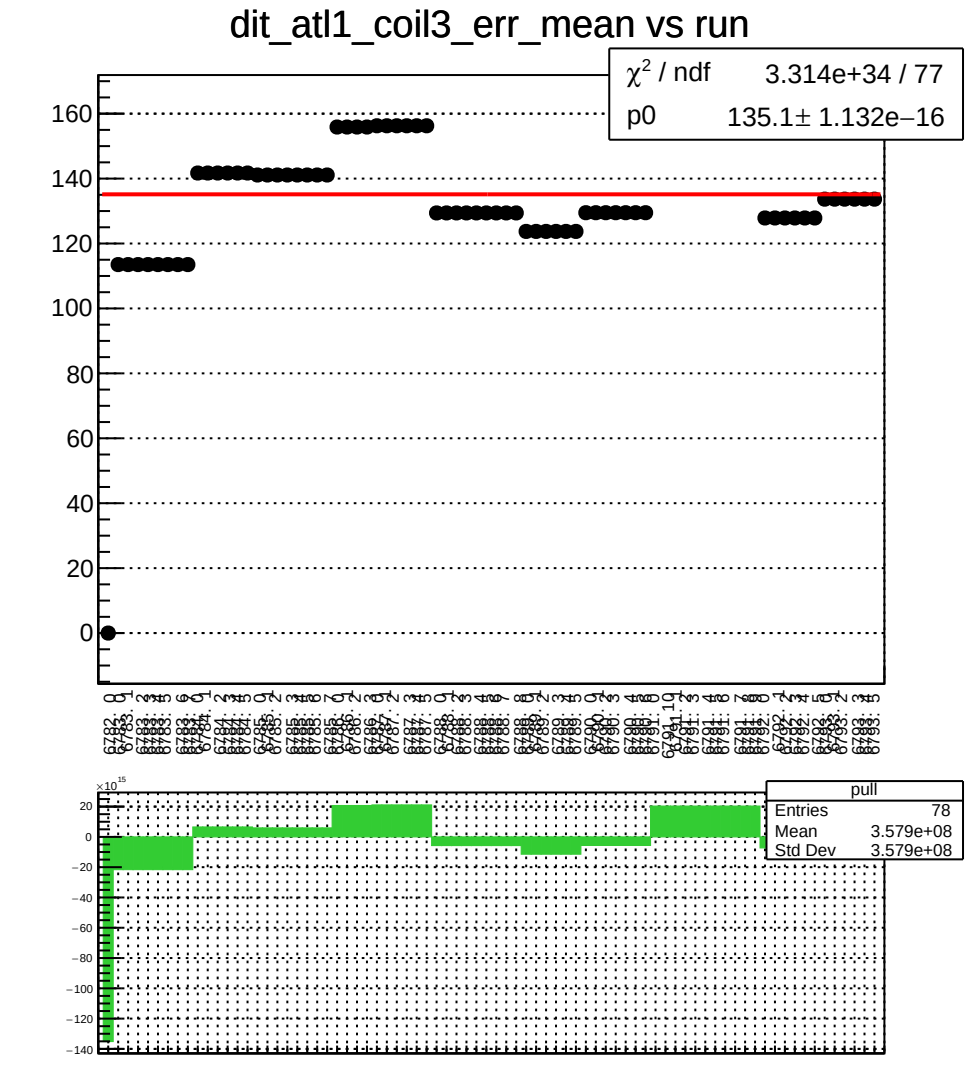

dit_usr_coil3_err_mean vs run
χ² / ndf 5.273e+34 / 77
p0 162.2 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 1.302e+08
Std Dev 1.302e+08
×10¹⁵
50
0
−50
−100
−150

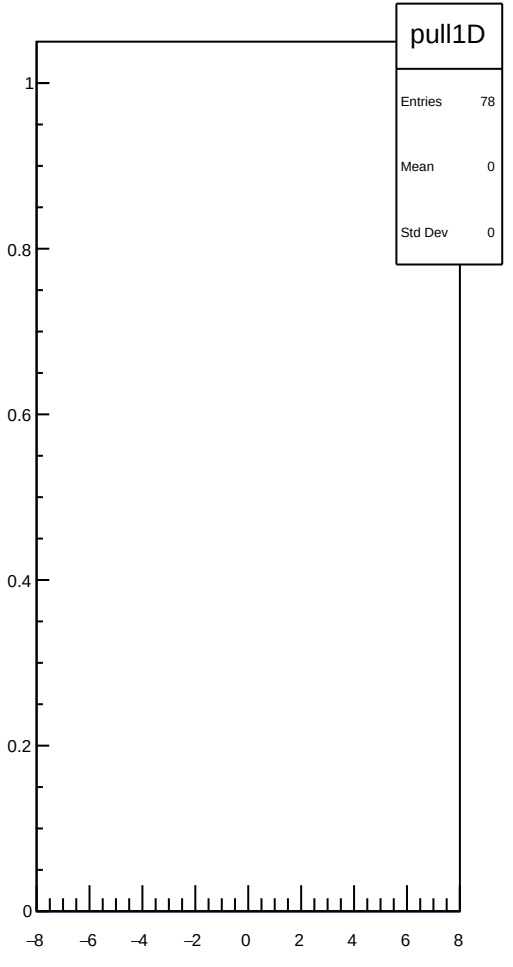

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

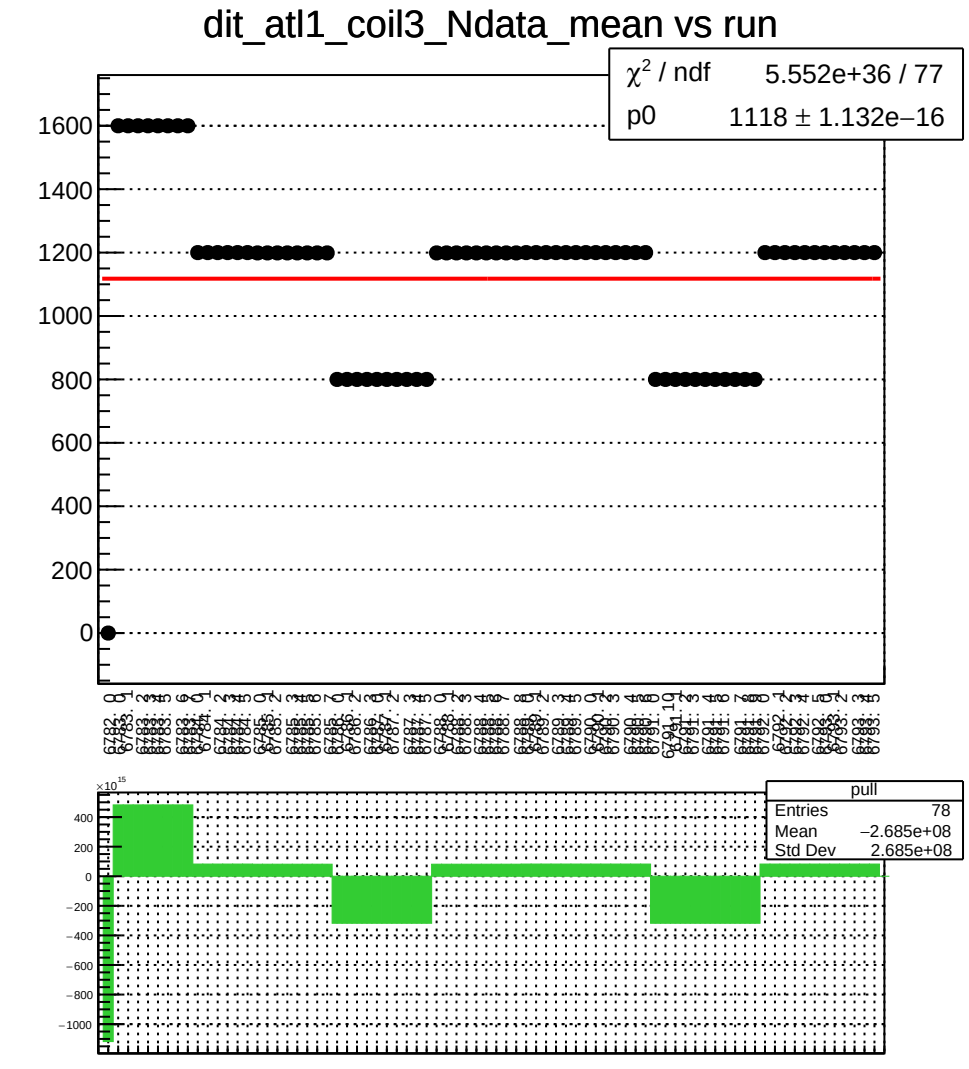

dit_usr_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

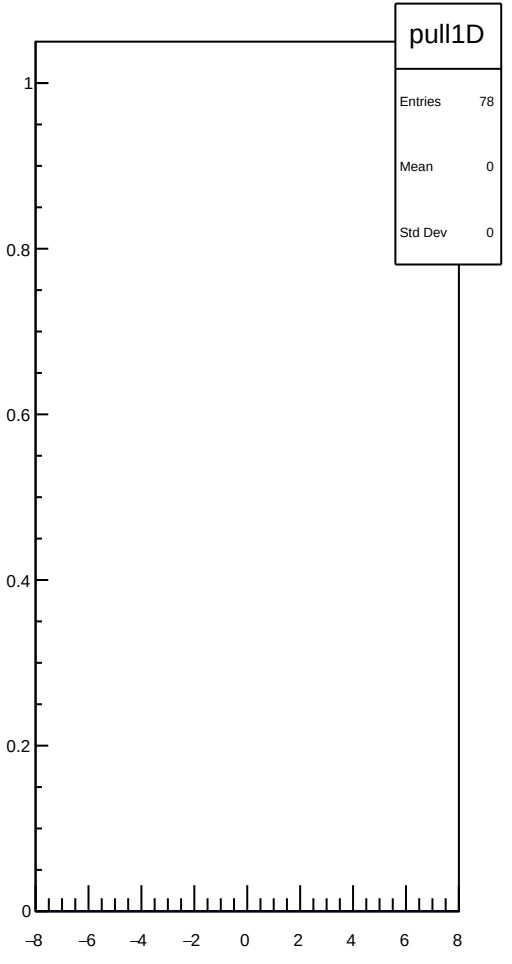

dit_atl1_coil3_mean vs run
χ² / ndf 1.294e+37 / 77
p0 −3401 ± 1.132e−16
pull
Entries 78
Mean −2.292e+09
Std Dev 2.292e+09

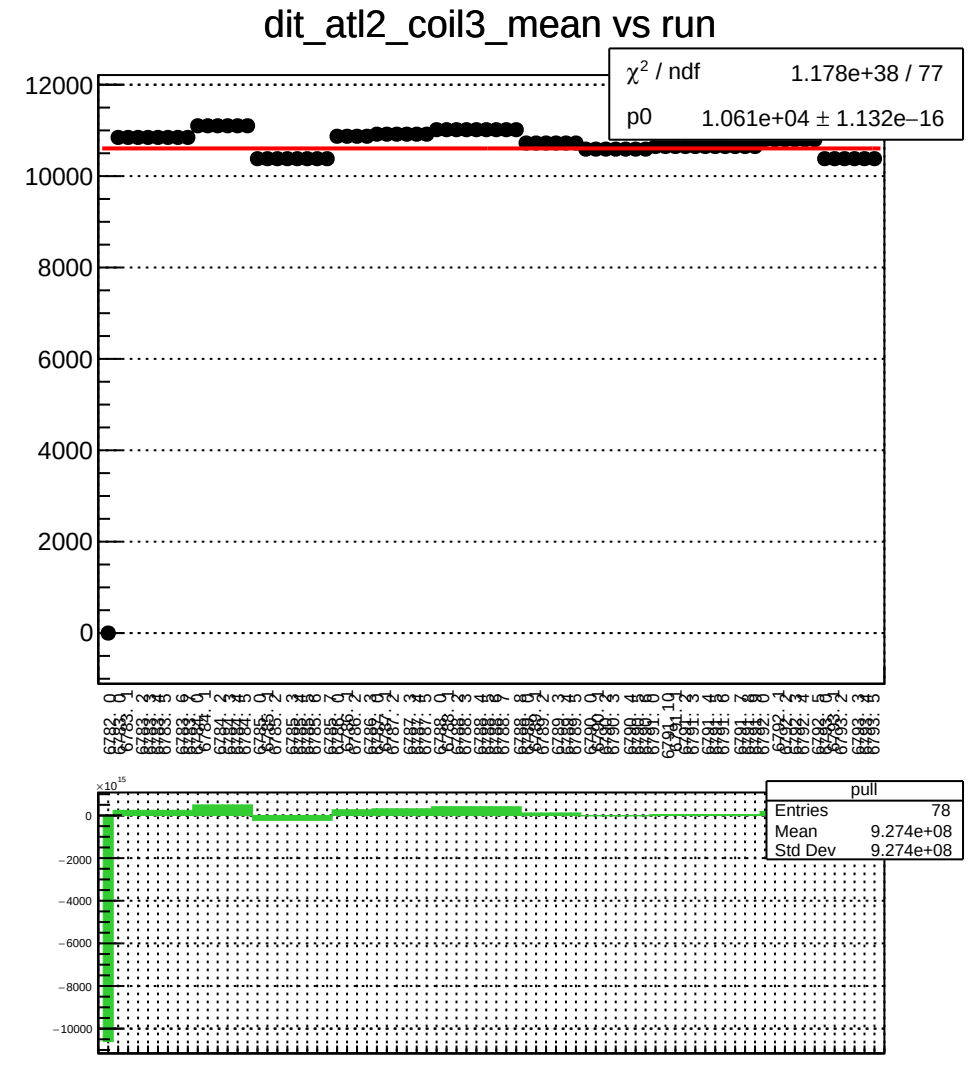

pull1D
Entries 78
Mean 0
Std Dev 0

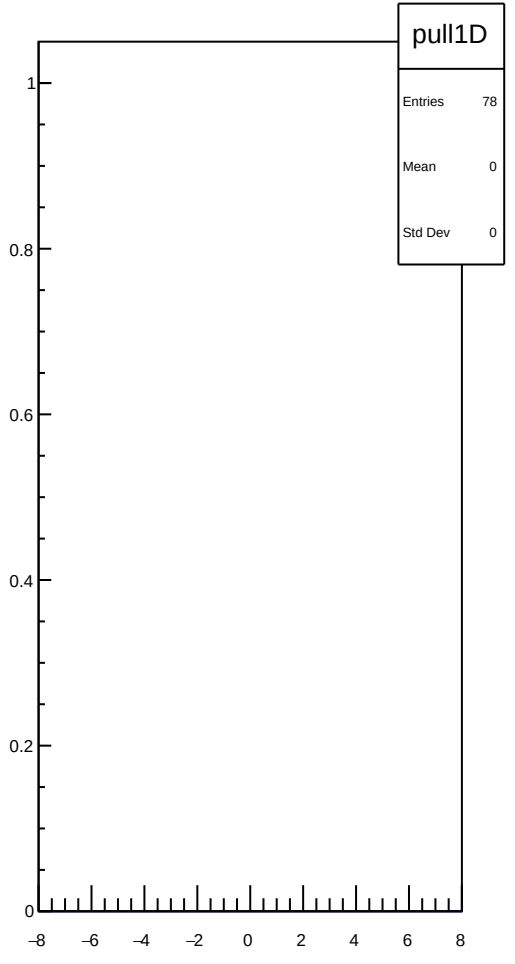

dit_atl1_coil3_err_mean vs run
χ² / ndf 3.314e+34 / 77
p0 135.1± 1.132e−16
pull
Entries 78
Mean 3.579e+08
Std Dev 3.579e+08

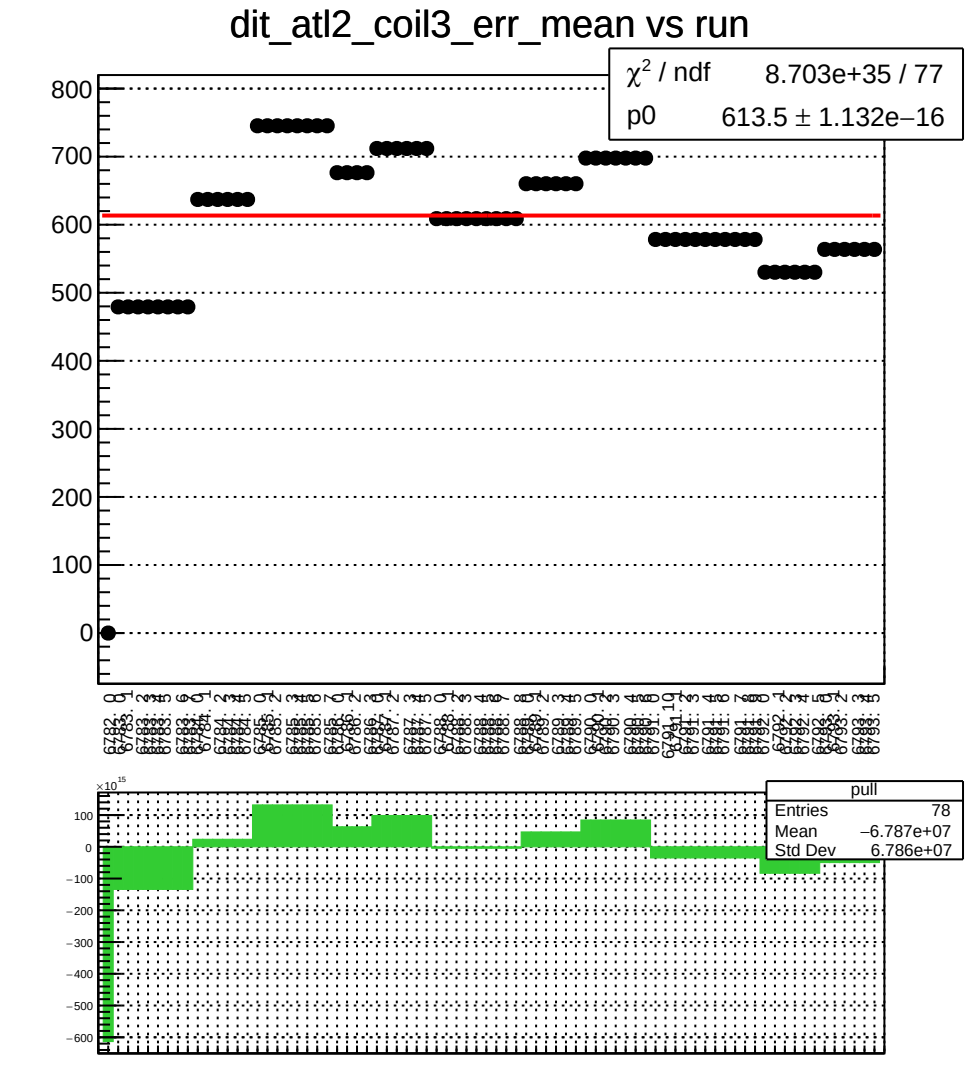

pull1D
Entries 78
Mean 0
Std Dev 0

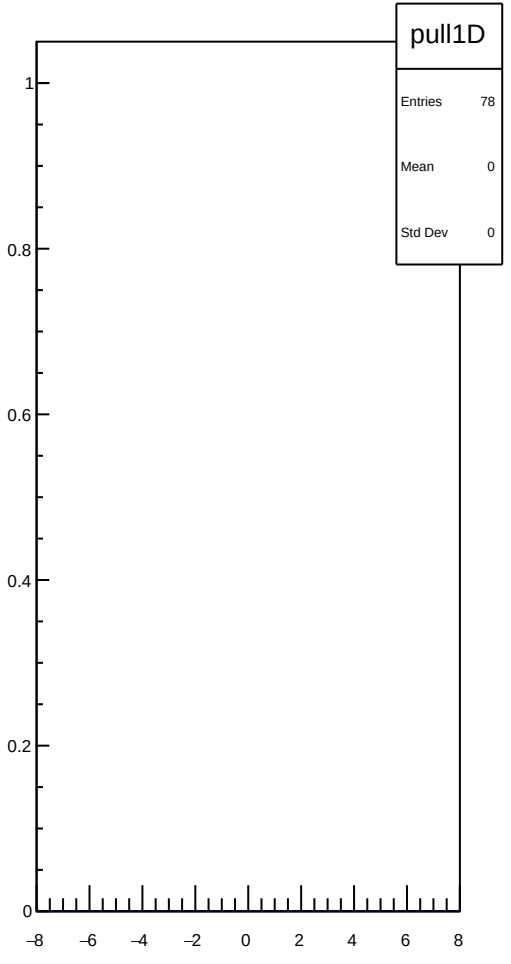

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

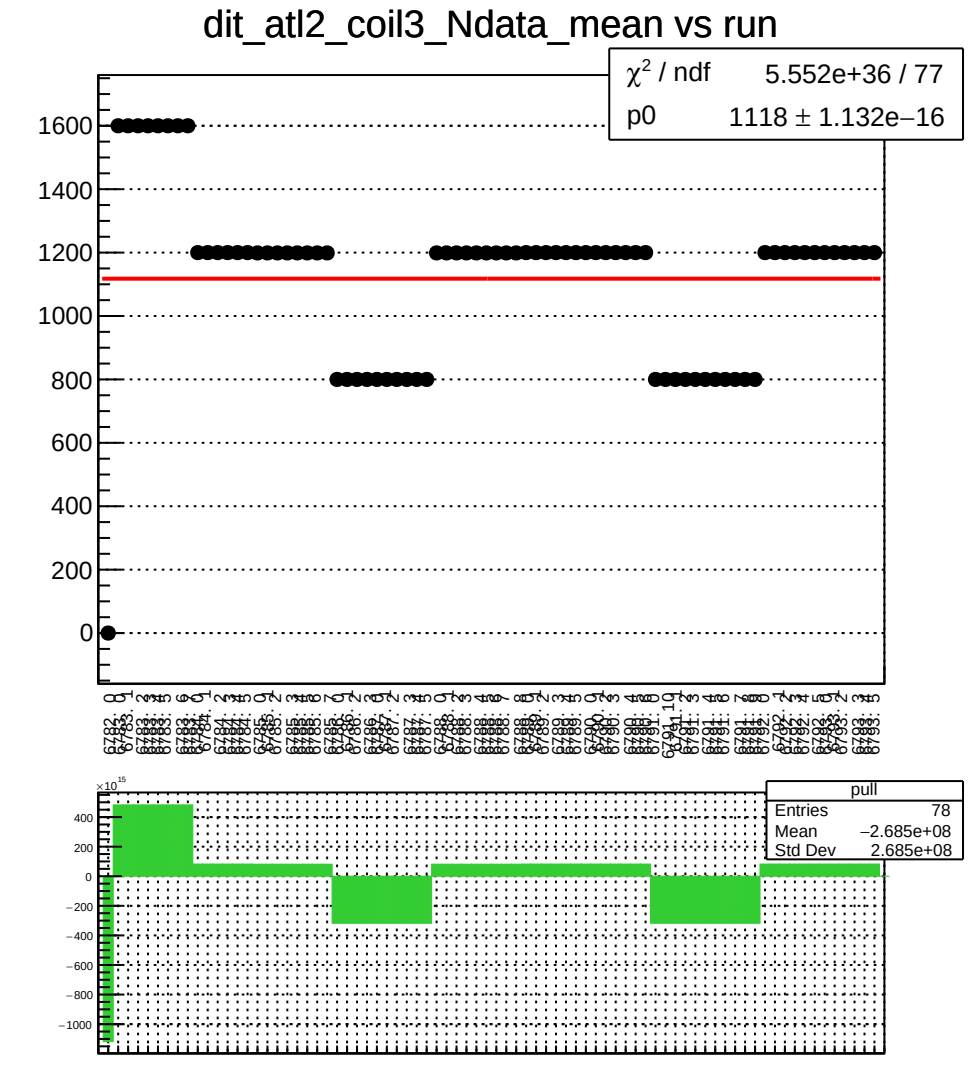

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

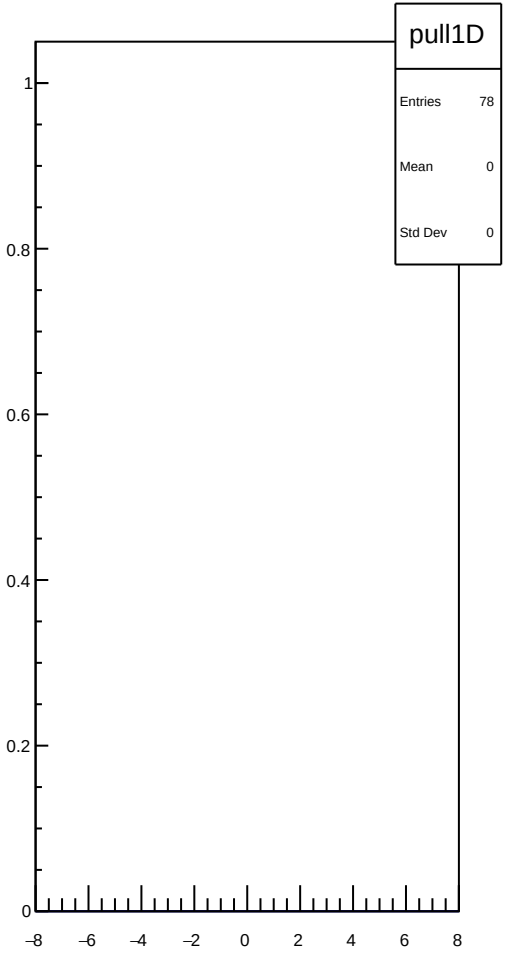

dit_atl2_coil3_mean vs run
χ² / ndf 1.178e+38 / 77
p0 1.061e+04 ± 1.132e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean 9.274e+08
Std Dev 9.274e+08
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000

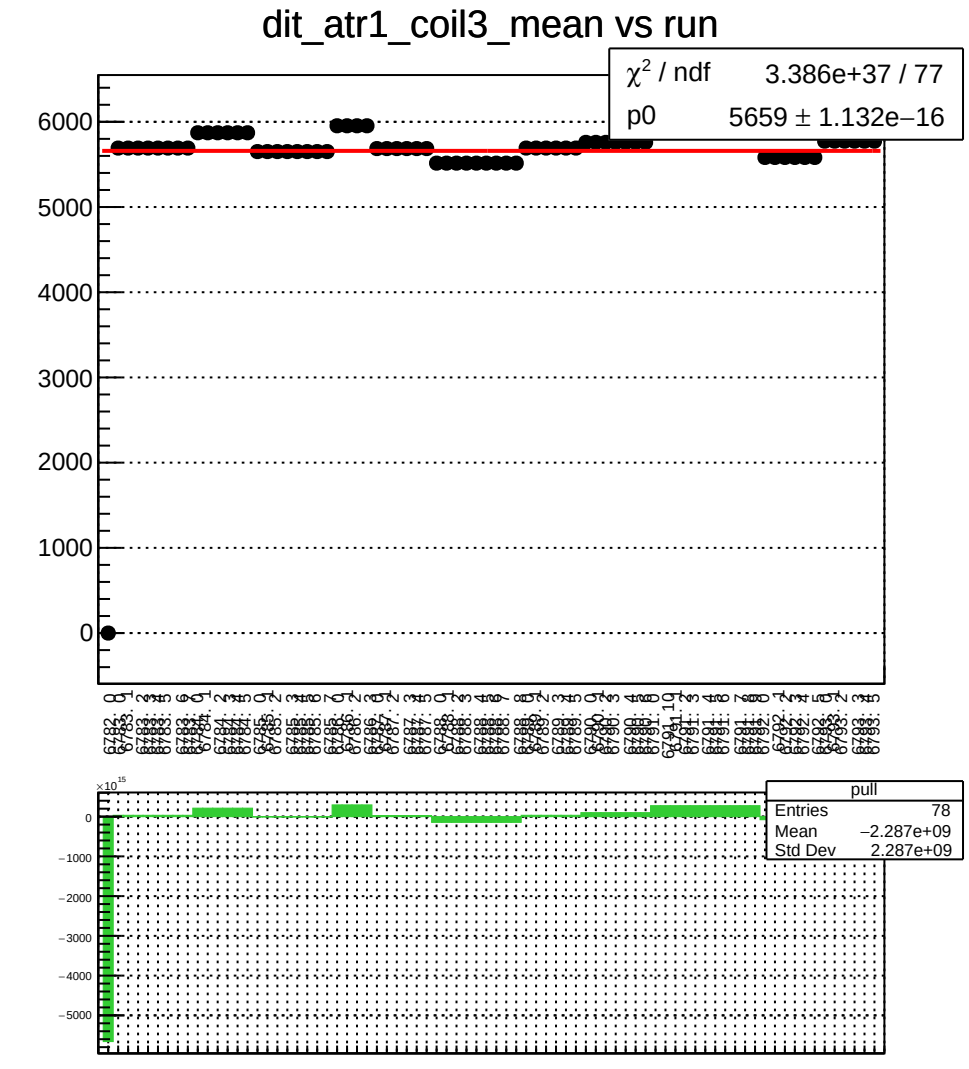

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

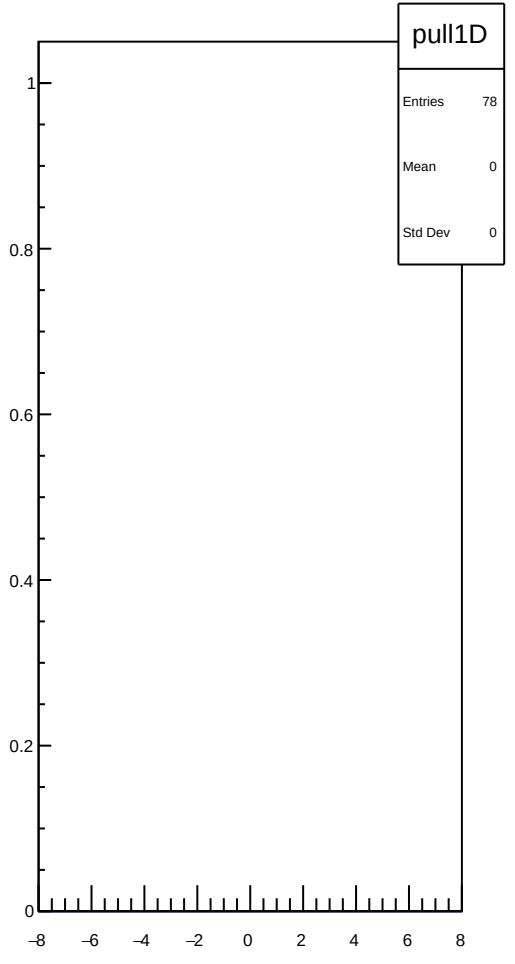

dit_atl2_coil3_err_mean vs run
χ² / ndf 8.703e+35 / 77
p0 613.5 ± 1.132e−16
pull
Entries 78
Mean −6.787e+07
Std Dev 6.786e+07

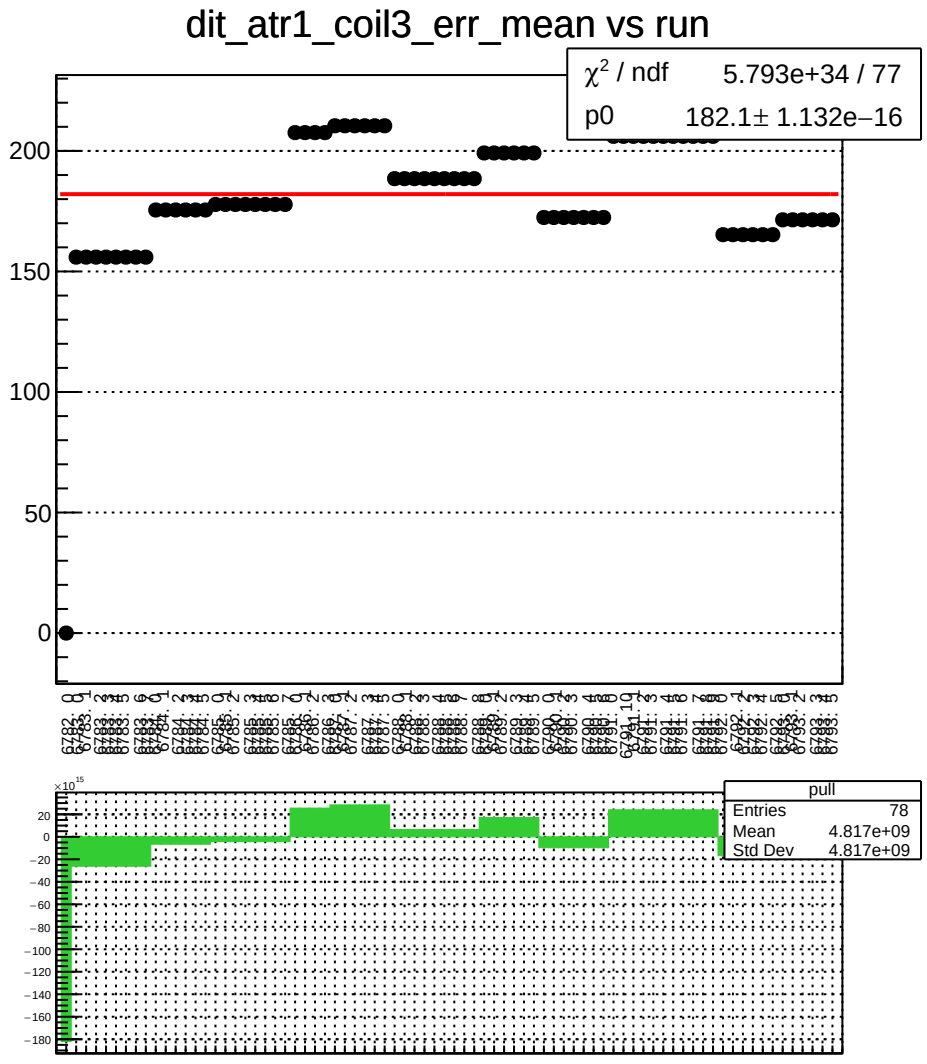

pull1D
Entries 78
Mean 0
Std Dev 0

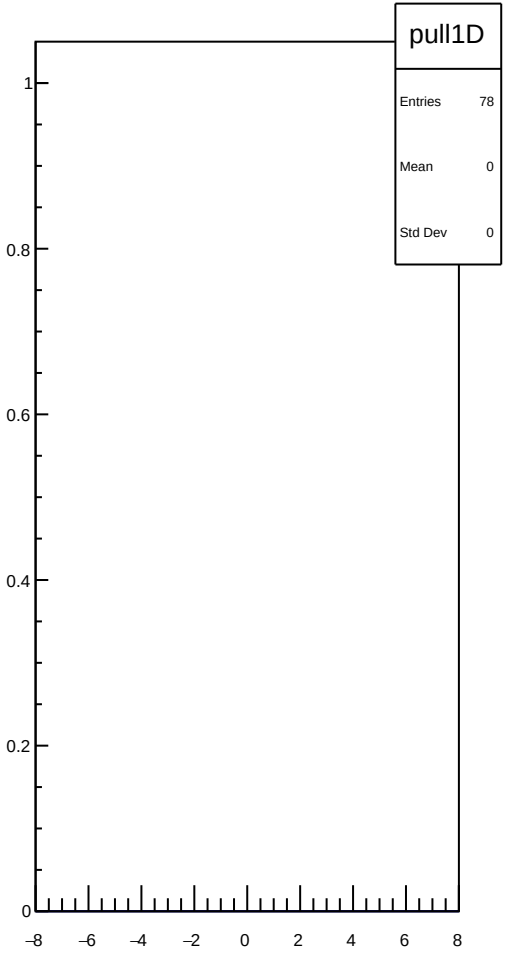

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

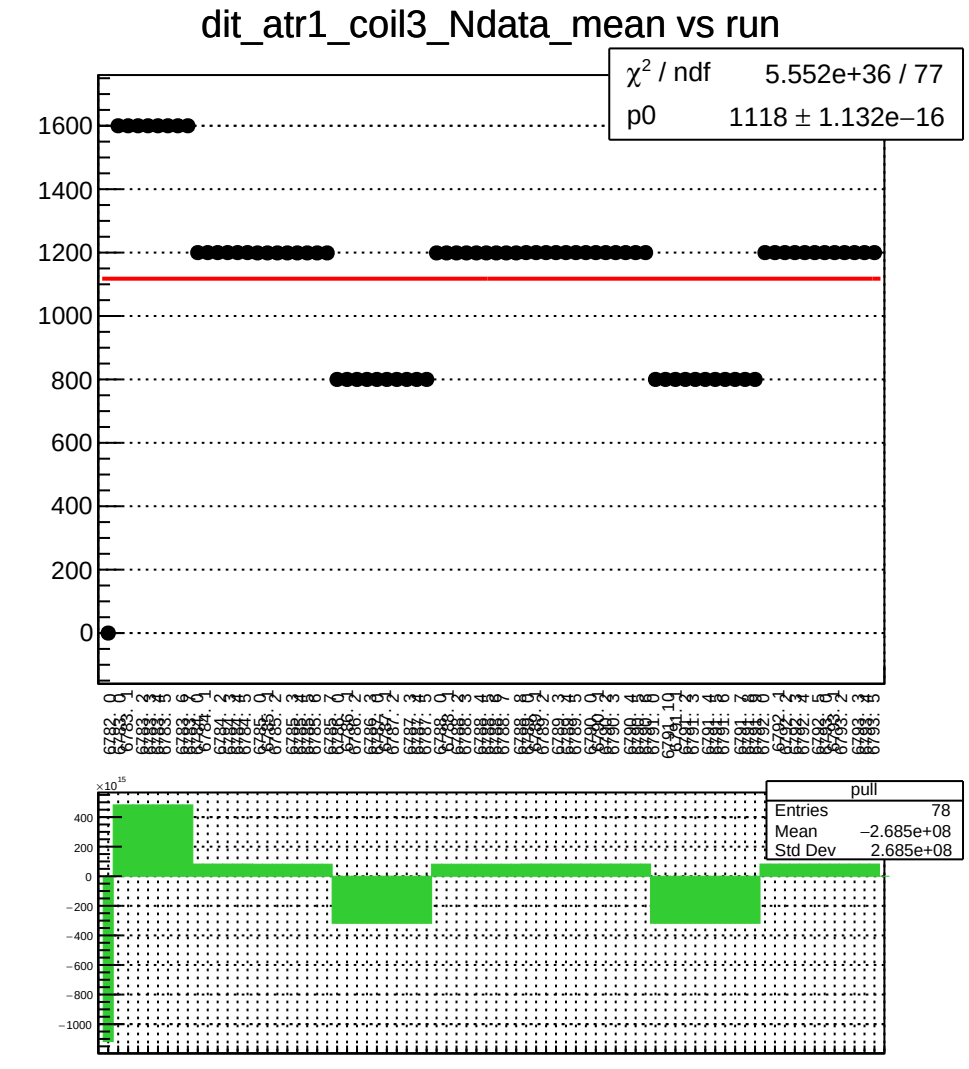

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

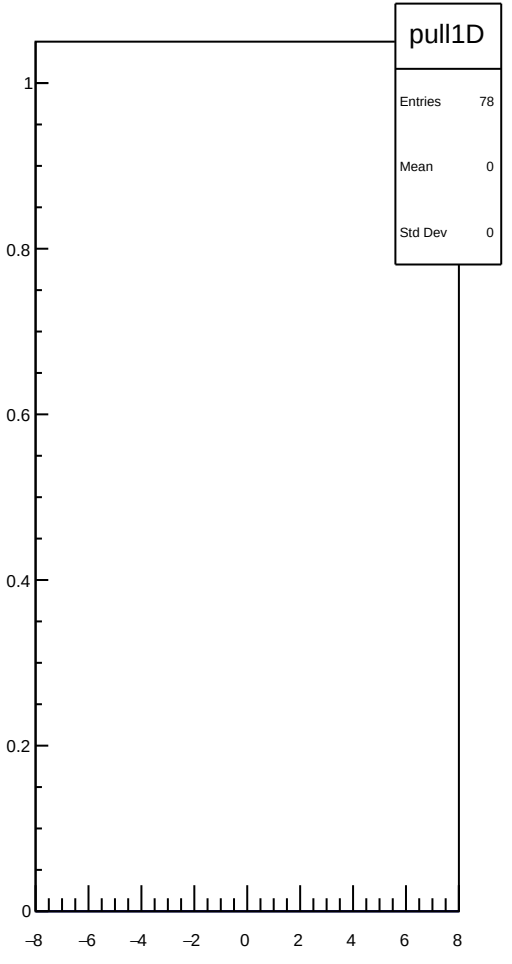

dit_atr1_coil3_mean vs run
χ² / ndf 3.386e+37 / 77
p0 5659 ± 1.132e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −2.287e+09
Std Dev 2.287e+09
×10¹⁵
0
−1000
−2000
−3000
−4000
−5000

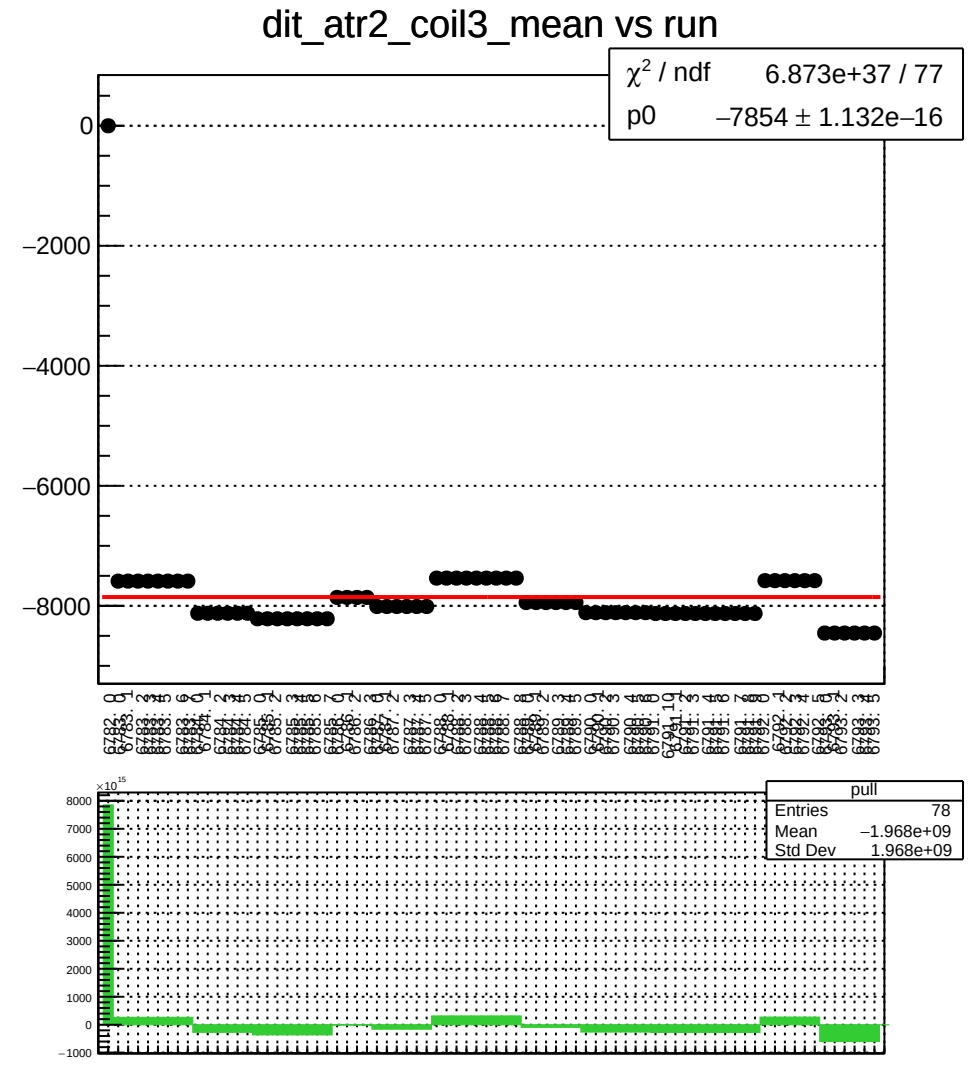

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

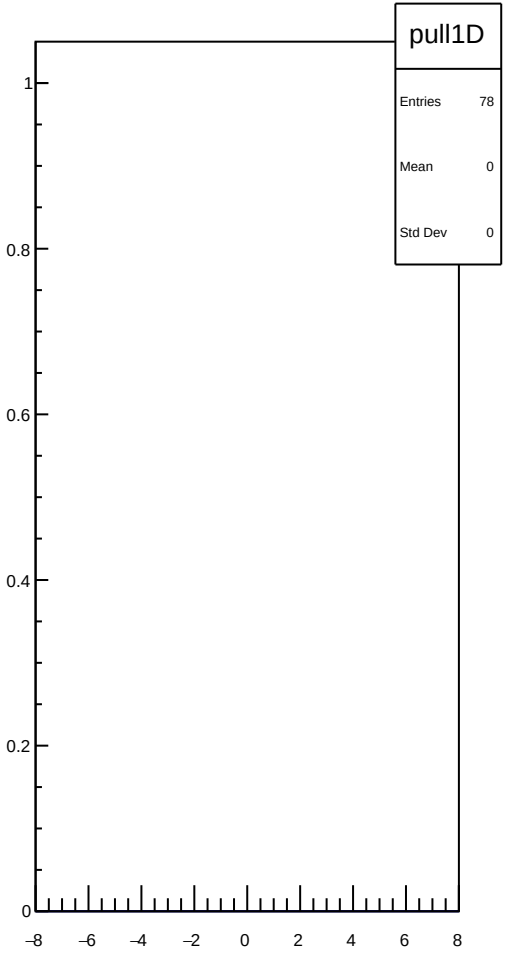

dit_atr1_coil3_err_mean vs run
χ² / ndf 5.793e+34 / 77
p0 182.1± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 4.817e+09
Std Dev 4.817e+09
×10¹⁵
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180

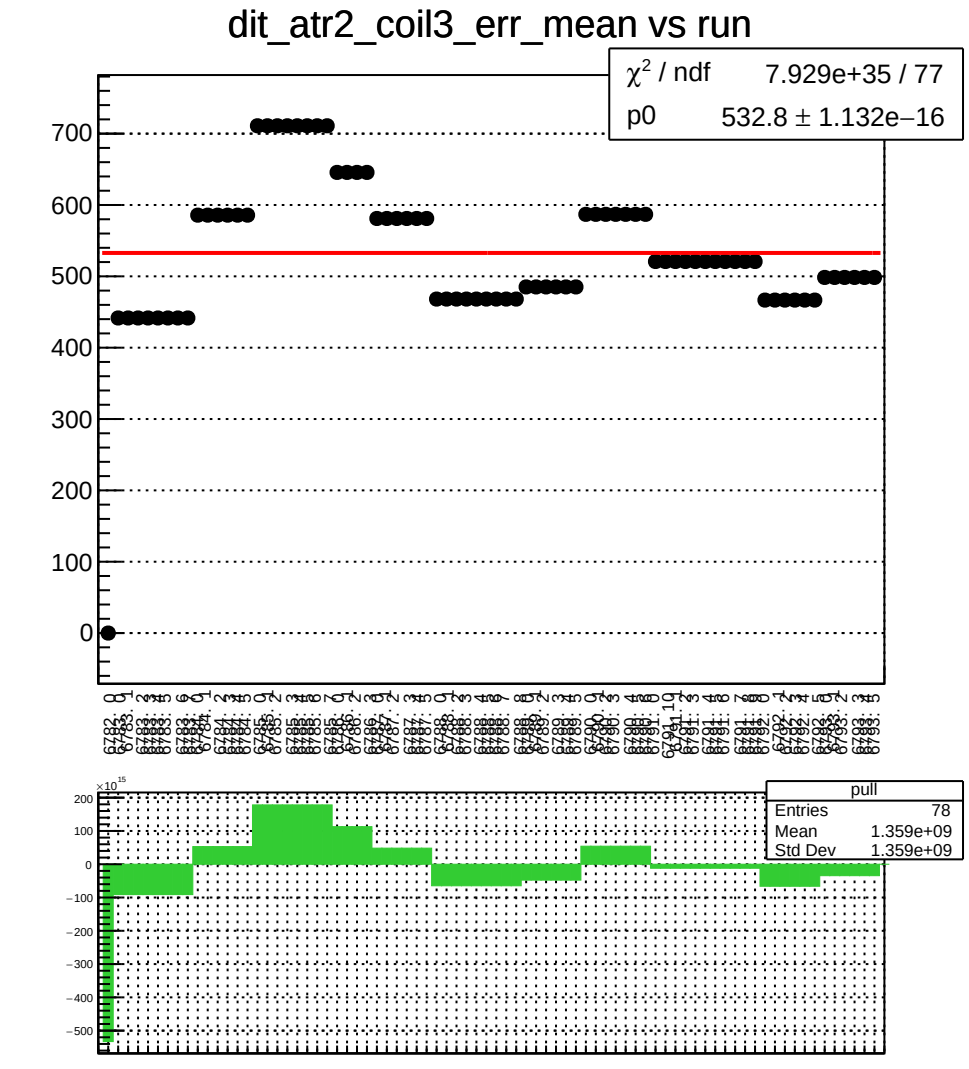

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

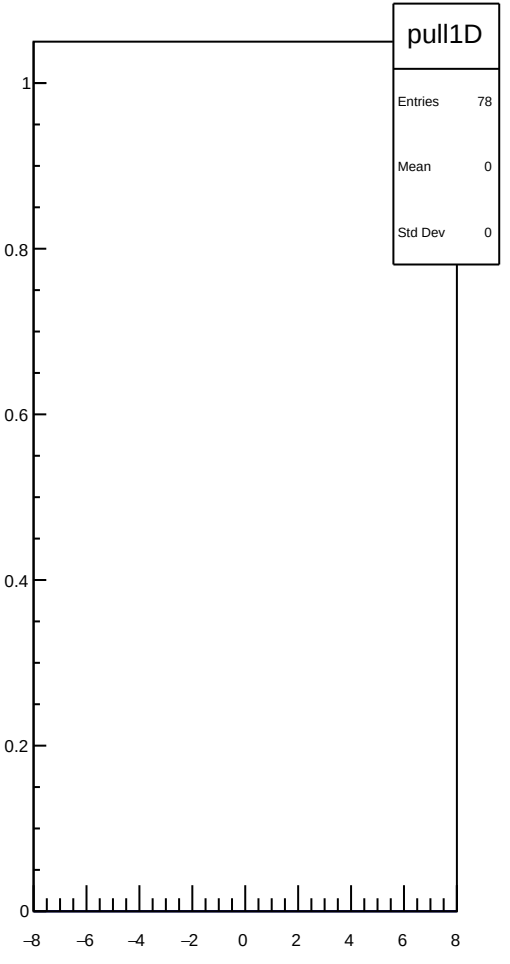

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08

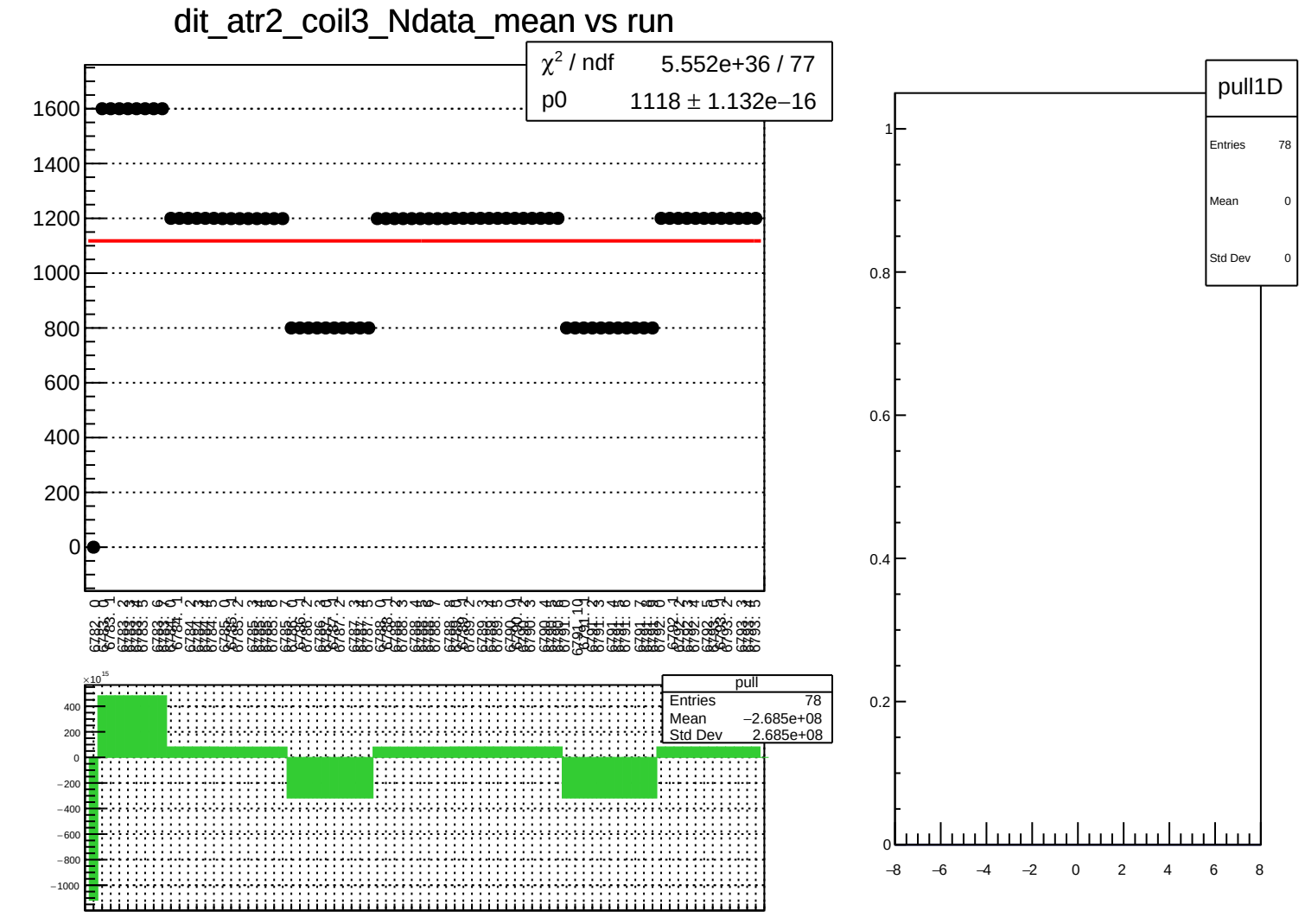

pull1D
Entries 78
Mean 0
Std Dev 0

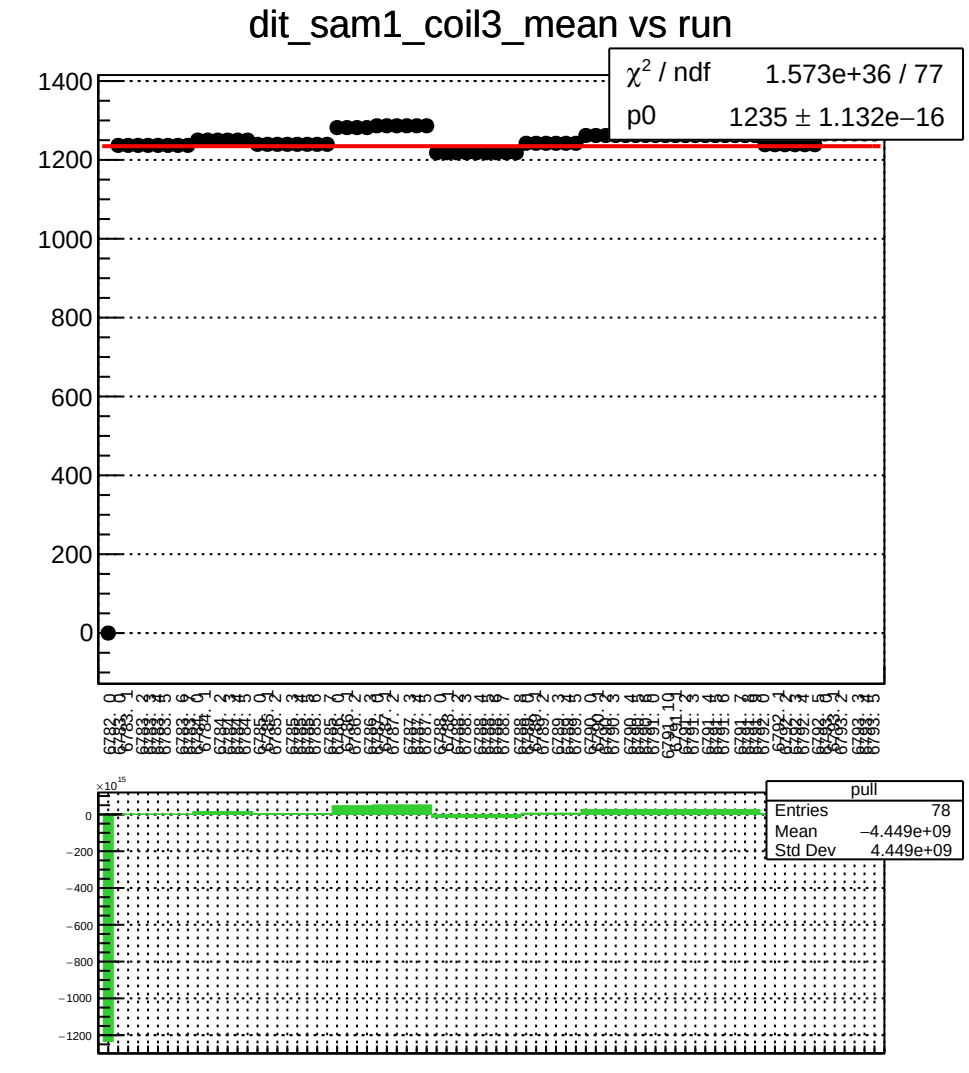

dit_atr2_coil3_mean vs run
χ² / ndf 6.873e+37 / 77
p0 −7854 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −1.968e+09
Std Dev 1.968e+09
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
−1000

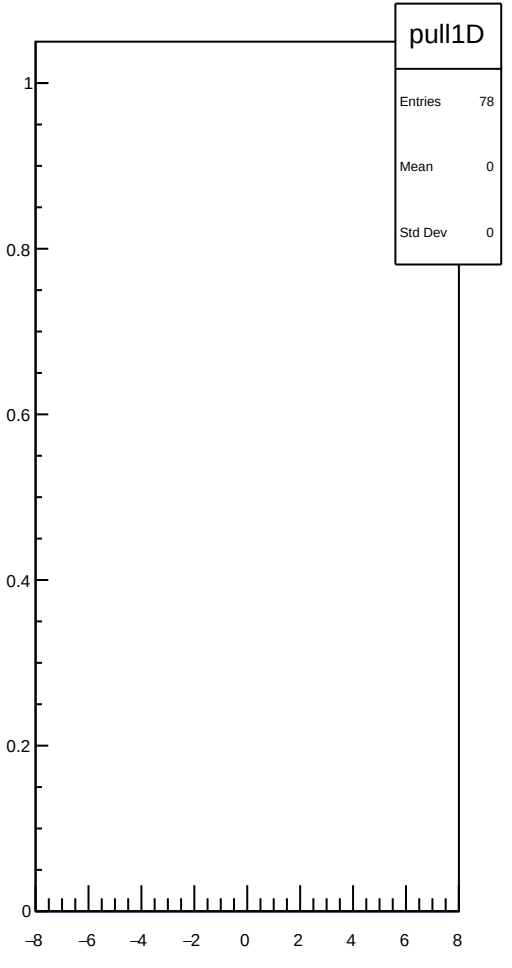

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

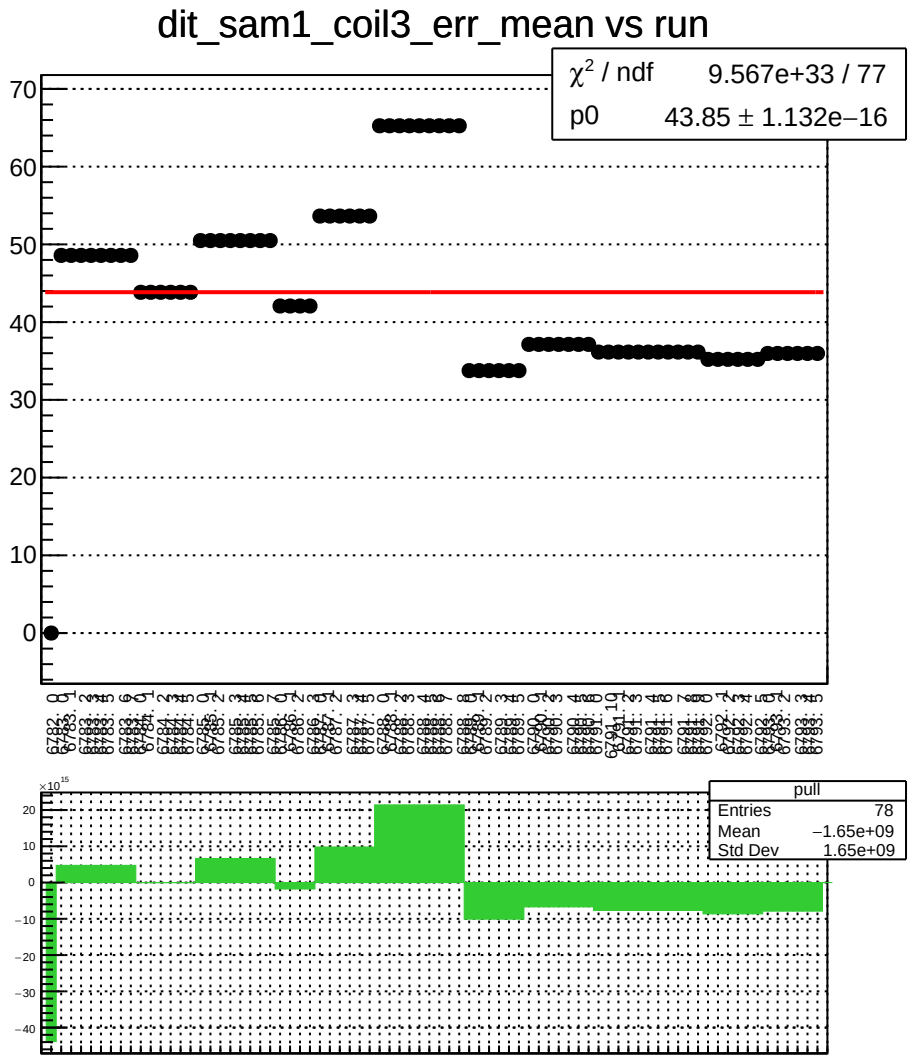

dit_atr2_coil3_err_mean vs run
χ² / ndf 7.929e+35 / 77
p0 532.8 ± 1.132e−16
pull
Entries 78
Mean 1.359e+09
Std Dev 1.359e+09

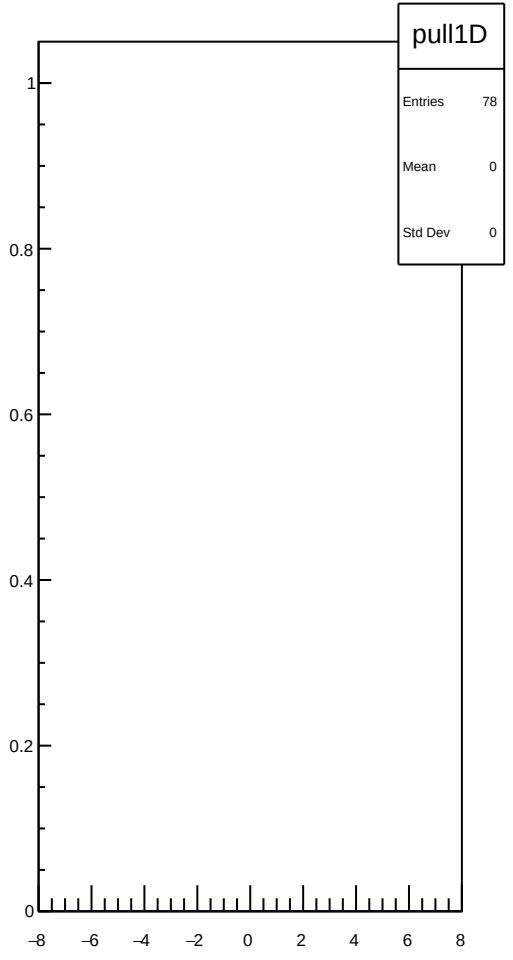

pull1D
Entries 78
Mean 0
Std Dev 0

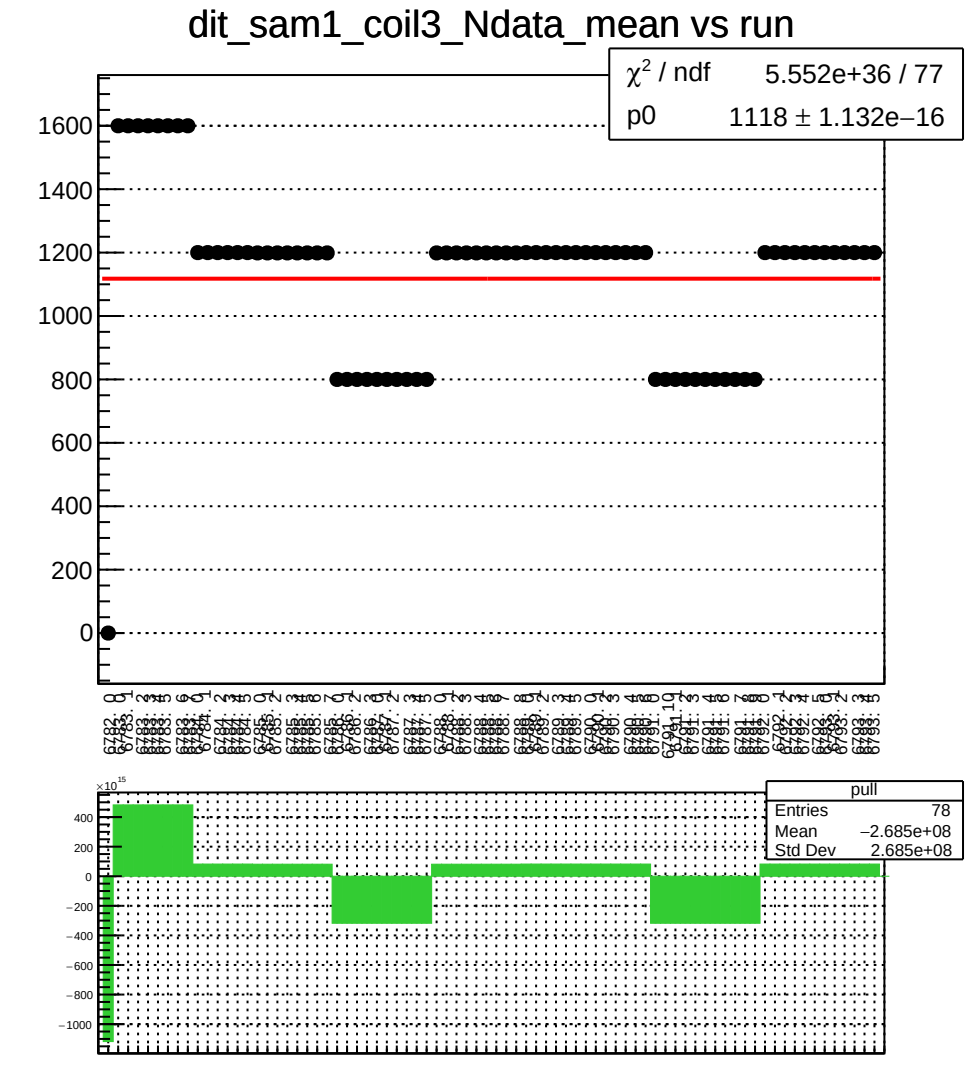

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

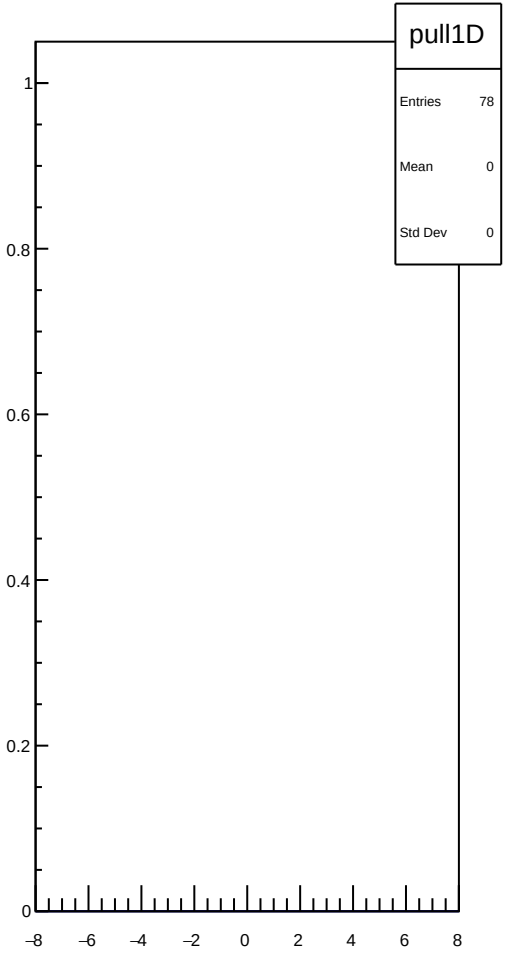

dit_sam1_coil3_mean vs run
χ² / ndf 1.573e+36 / 77
p0 1235 ± 1.132e−16
pull
Entries 78
Mean −4.449e+09
Std Dev 4.449e+09

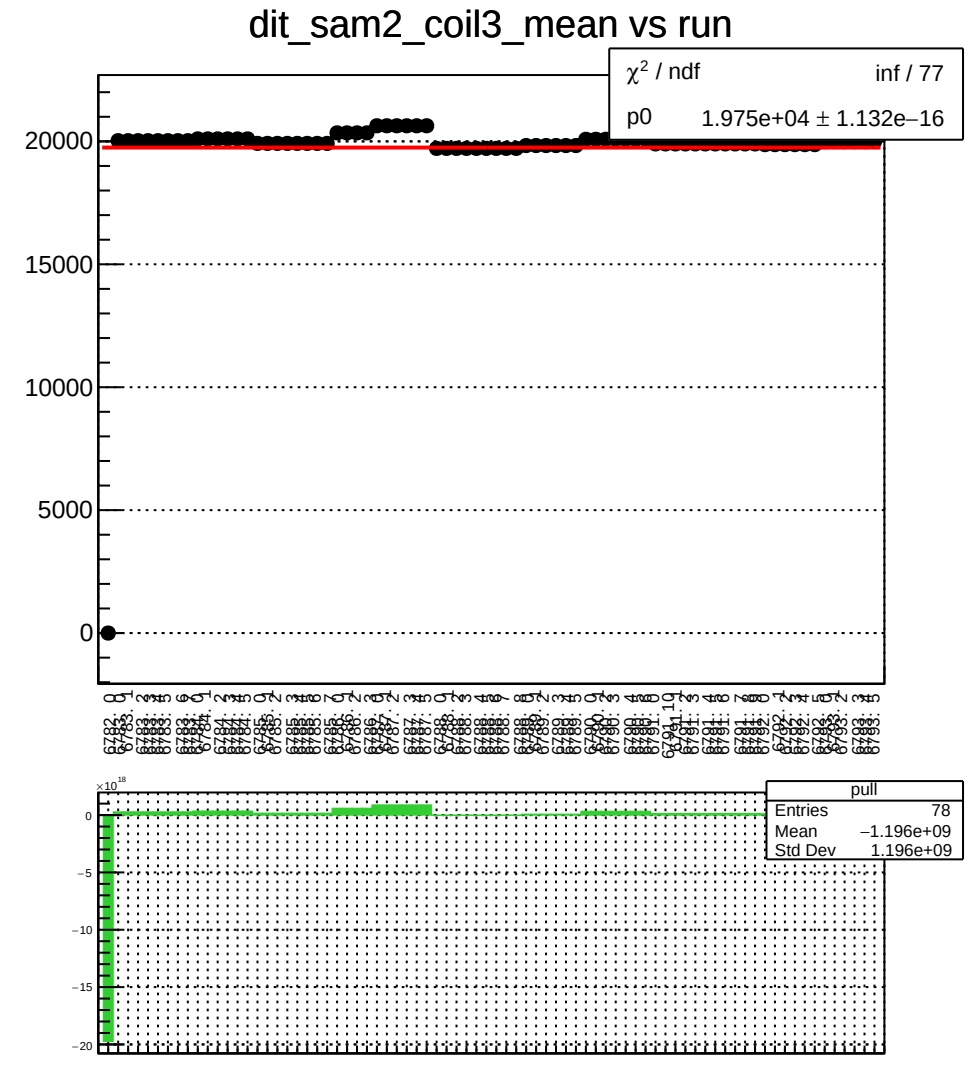

pull1D
Entries 78
Mean 0
Std Dev 0

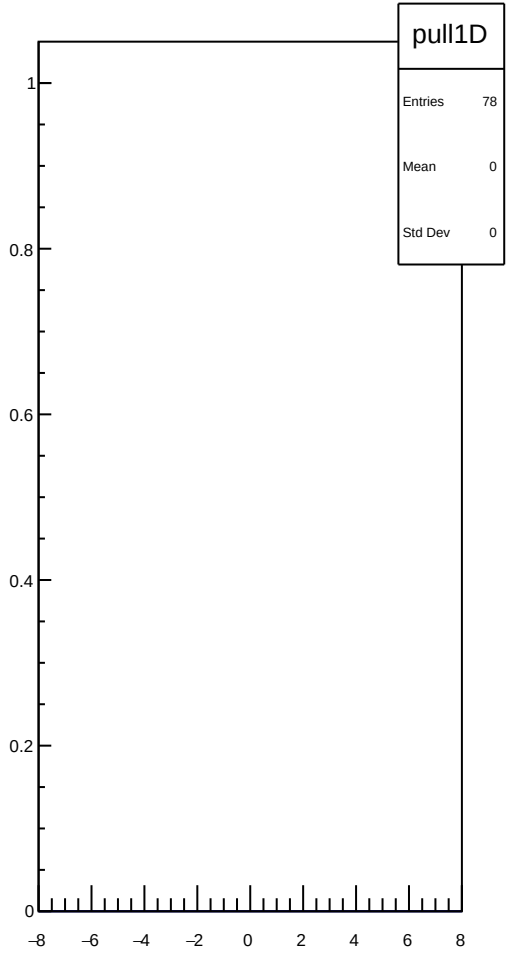

dit_sam1_coil3_err_mean vs run
χ² / ndf 9.567e+33 / 77
p0 43.85 ± 1.132e−16
pull
Entries 78
Mean −1.65e+09
Std Dev 1.65e+09

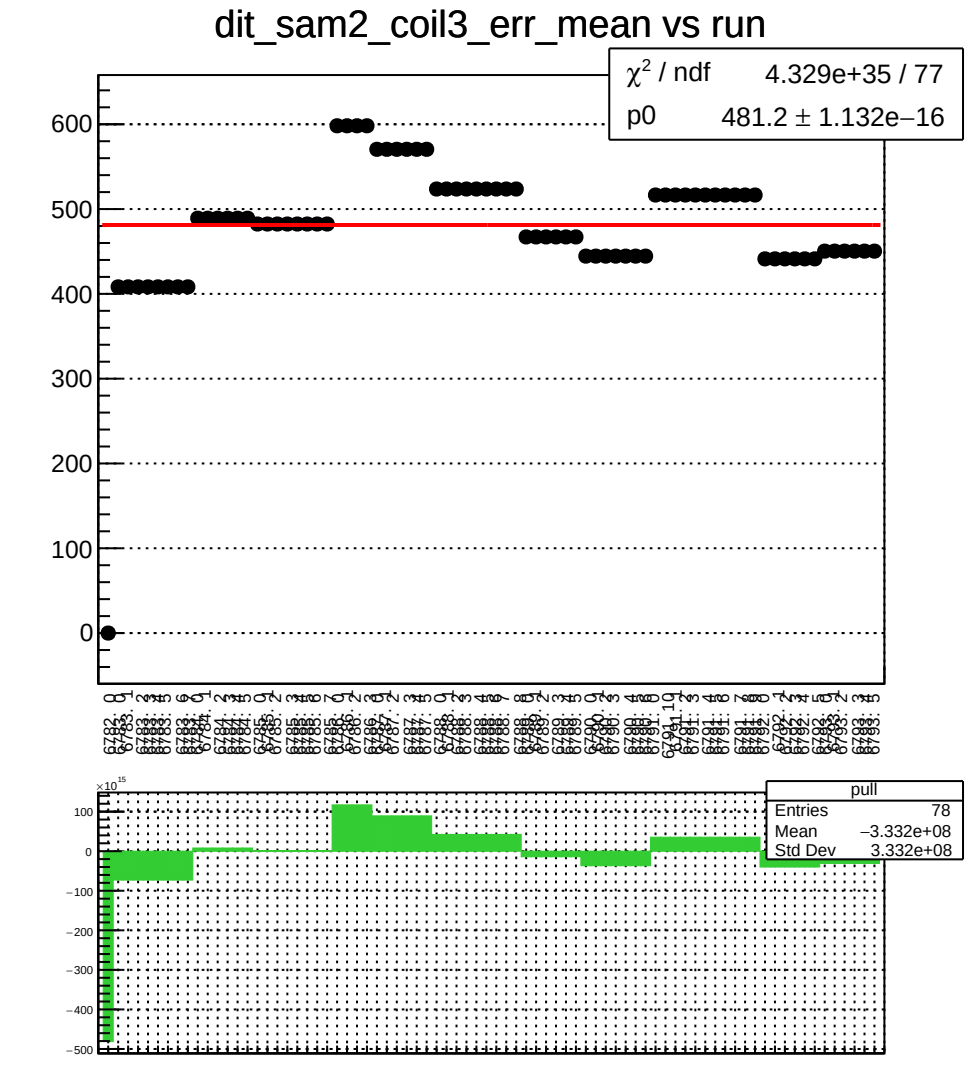

pull1D
Entries 78
Mean 0
Std Dev 0

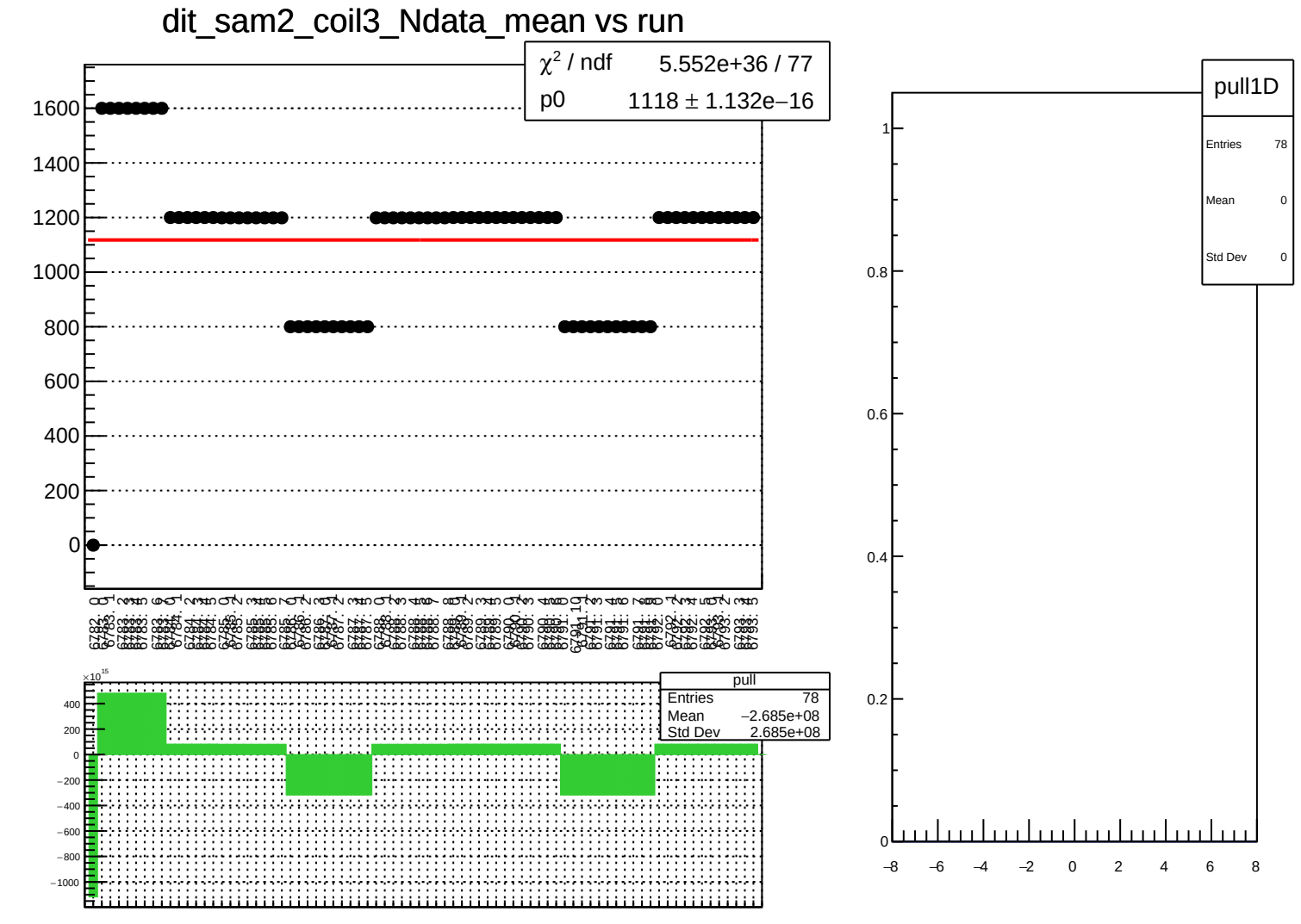

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

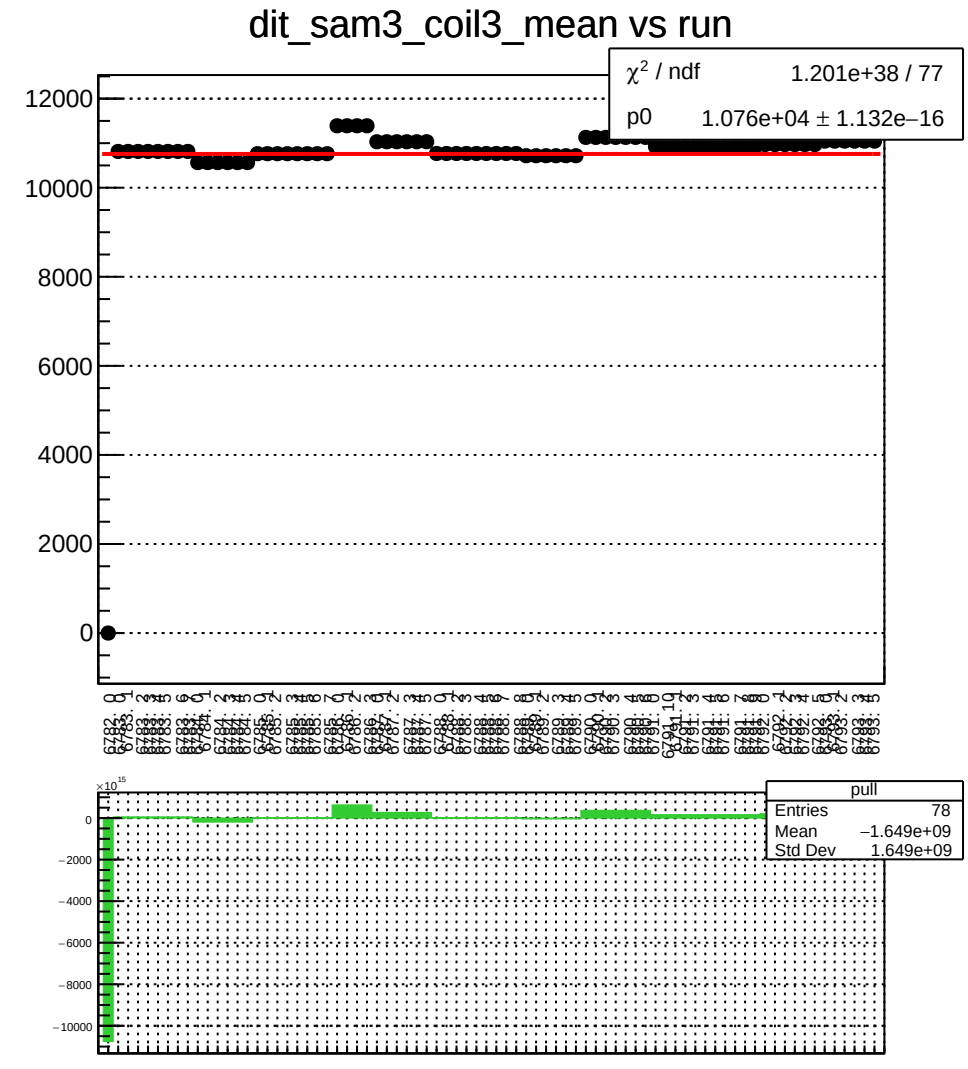

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

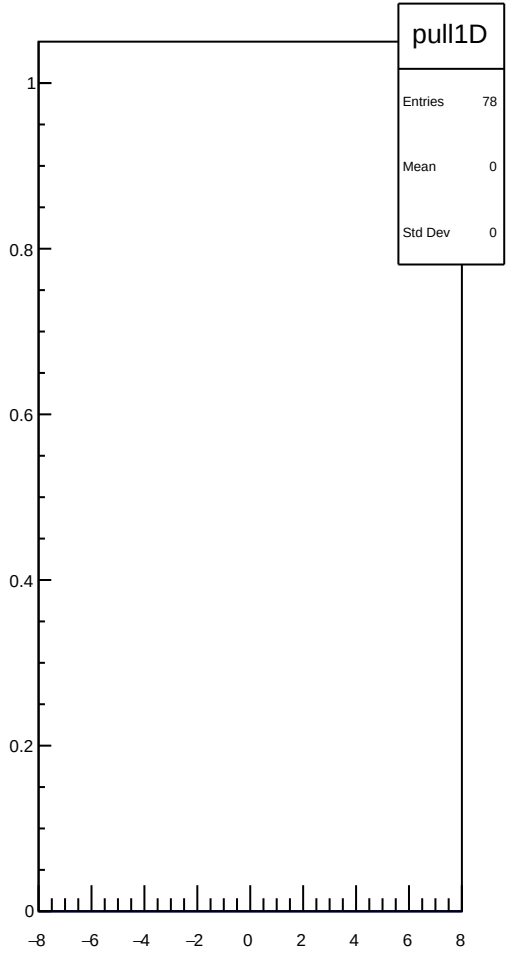

dit_sam2_coil3_mean vs run
χ² / ndf inf / 77
p0 1.975e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −1.196e+09
Std Dev 1.196e+09
×10¹⁸
0
−5
−10
−15
−20

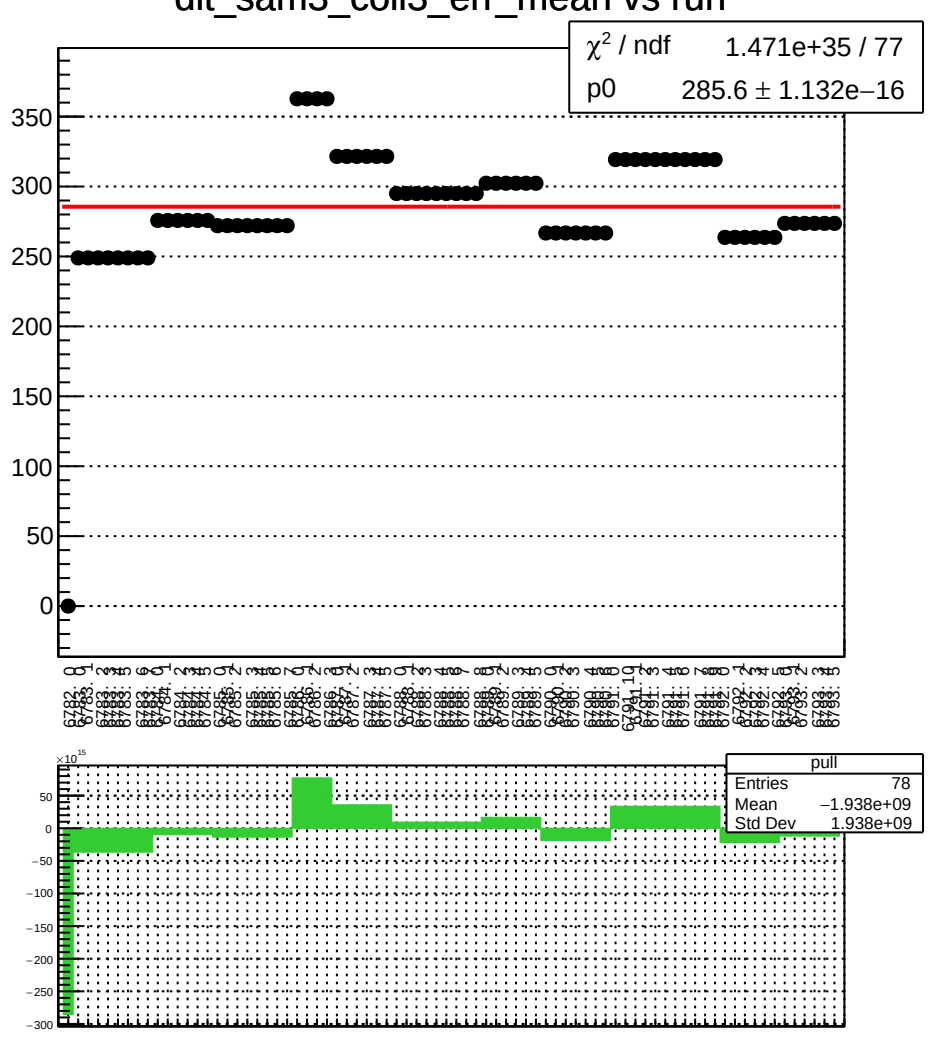

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

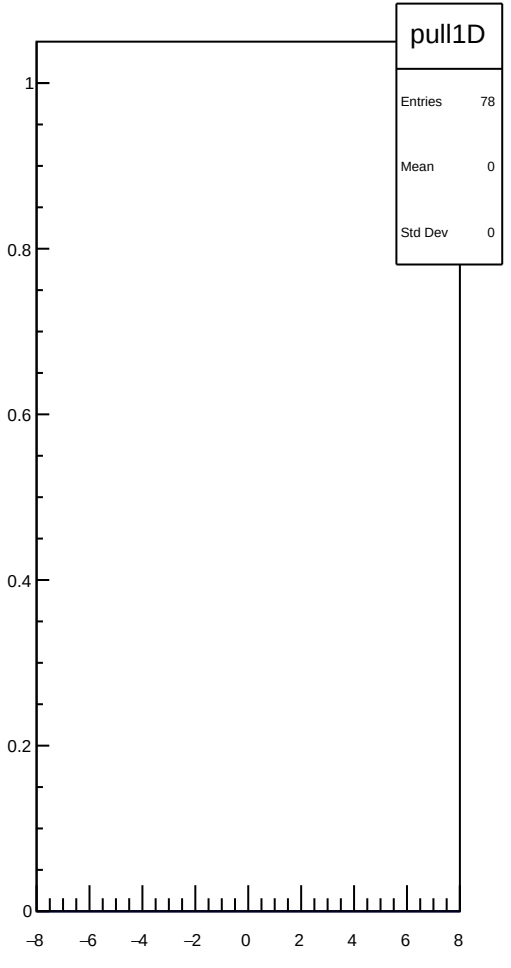

dit_sam2_coil3_err_mean vs run
χ² / ndf 4.329e+35 / 77
p0 481.2 ± 1.132e−16
pull
Entries 78
Mean −3.332e+08
Std Dev 3.332e+08
pull1D
Entries 78
Mean 0
Std Dev 0

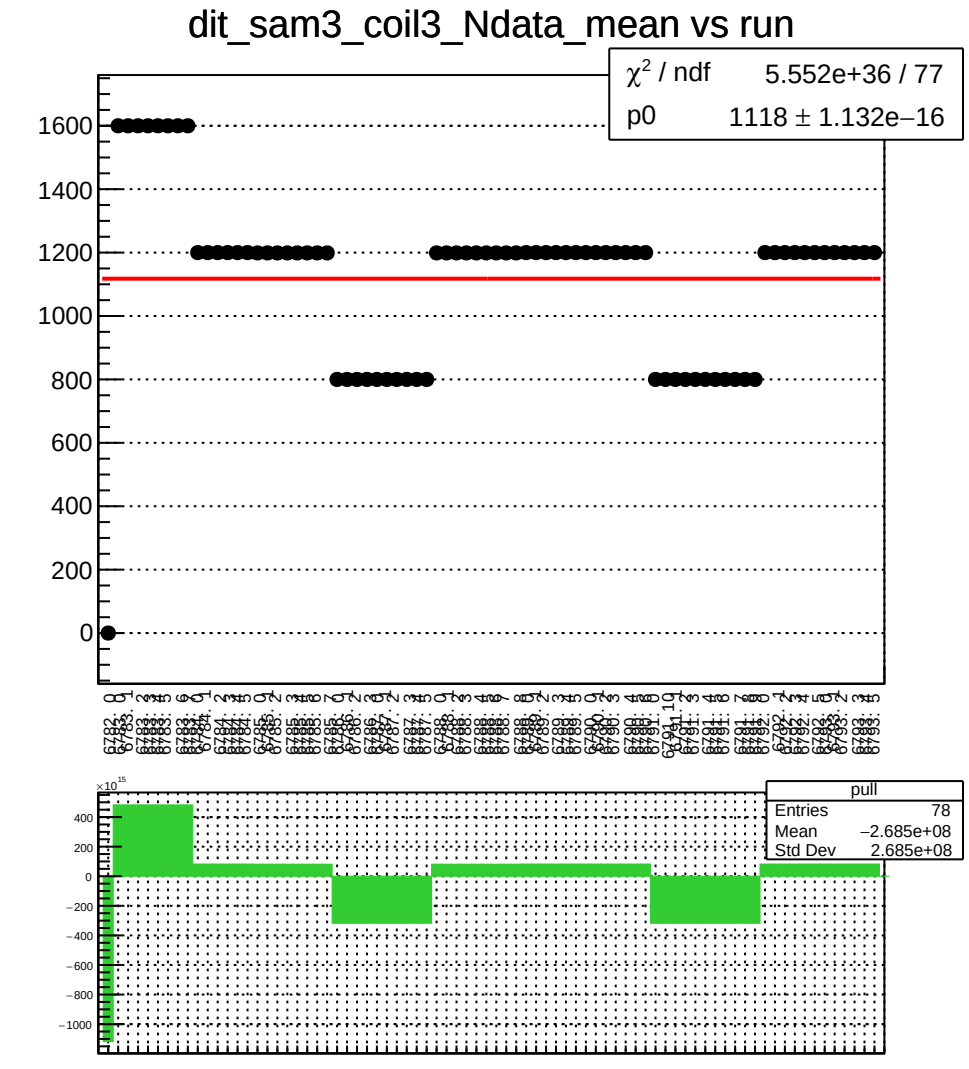

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

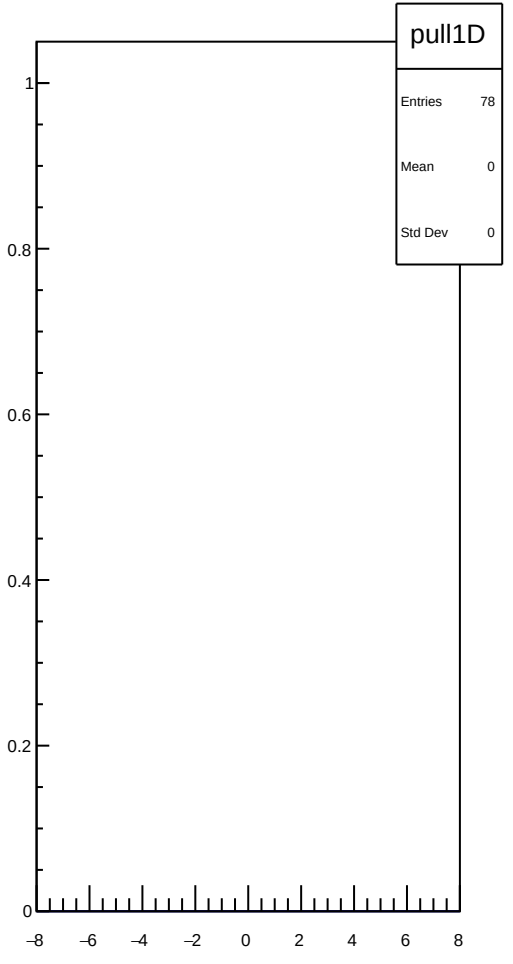

dit_sam3_coil3_mean vs run
χ² / ndf 1.201e+38 / 77
p0 1.076e+04 ± 1.132e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −1.649e+09
Std Dev 1.649e+09
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000

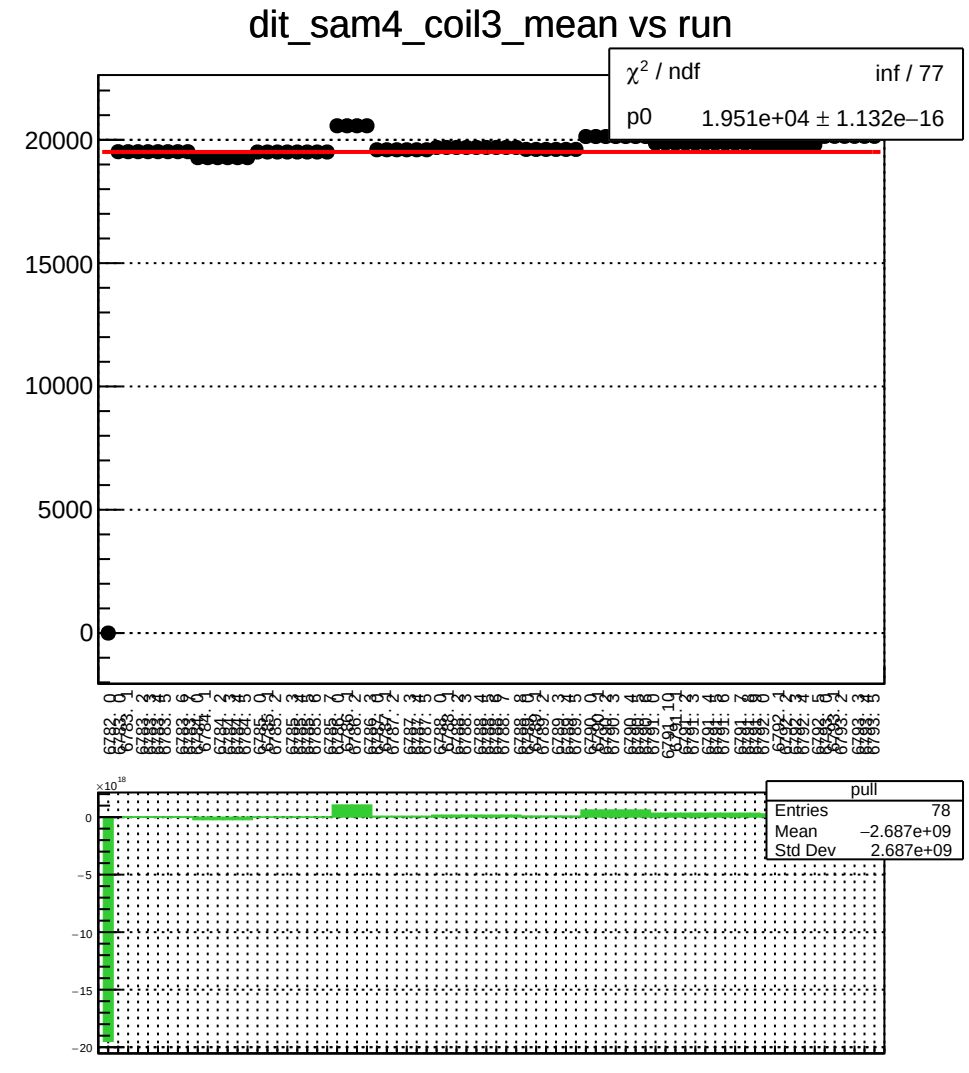

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

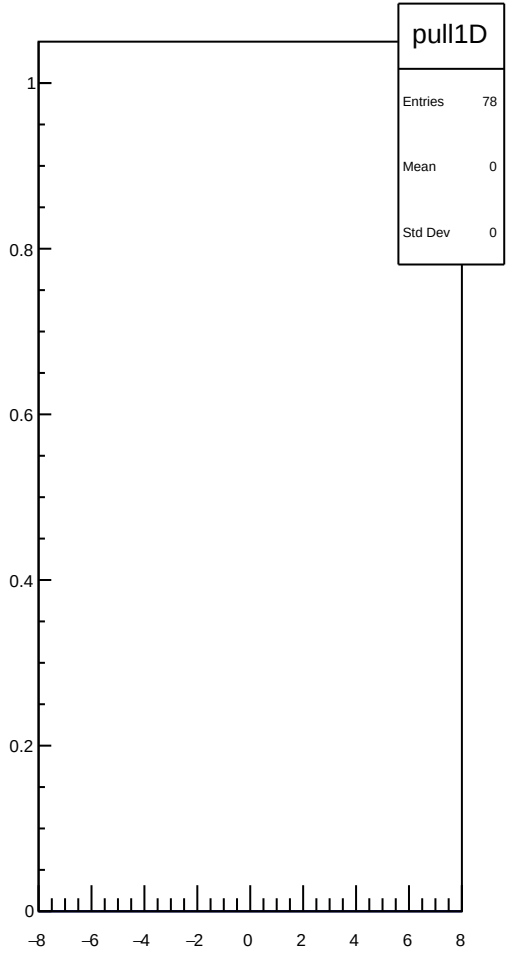

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.471e+35 / 77
p0 285.6 ± 1.132e−16
pull
Entries 78
Mean −1.938e+09
Std Dev 1.938e+09

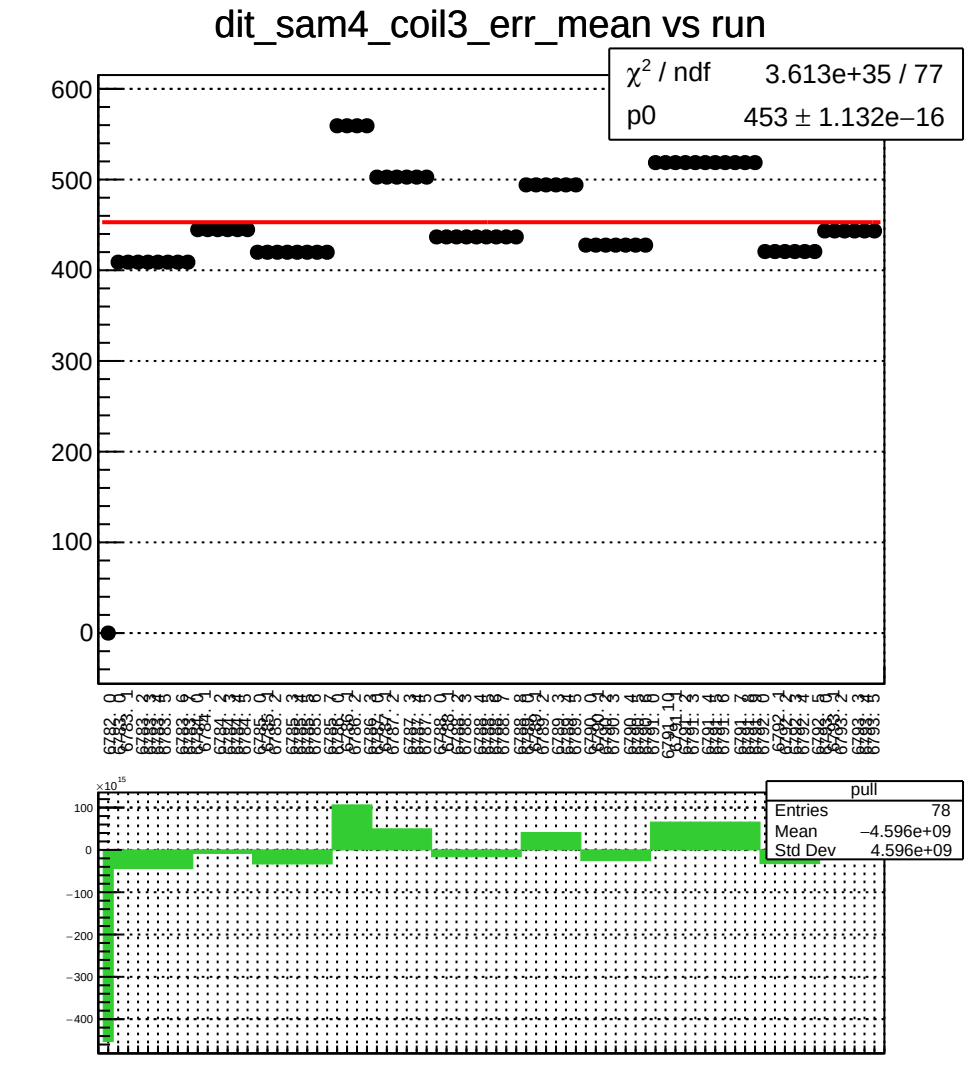

pull1D
Entries 78
Mean 0
Std Dev 0

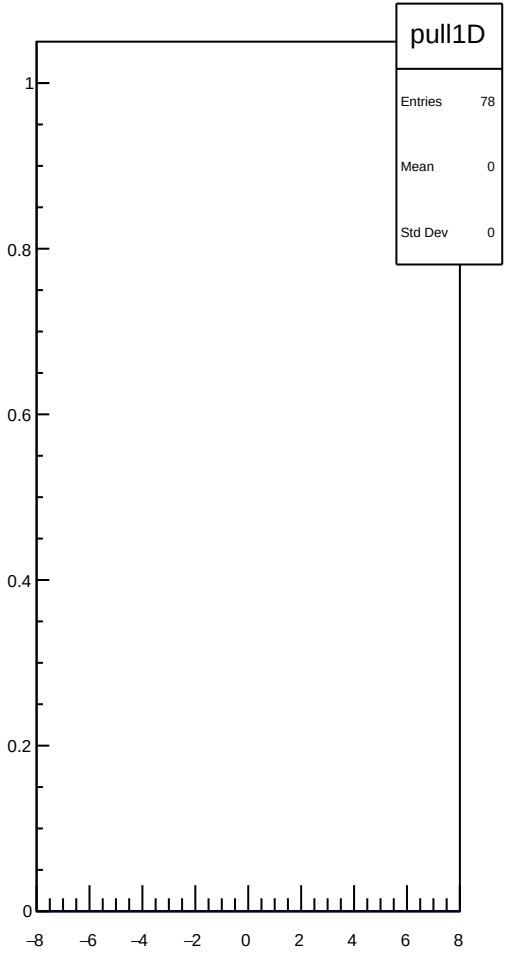

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08

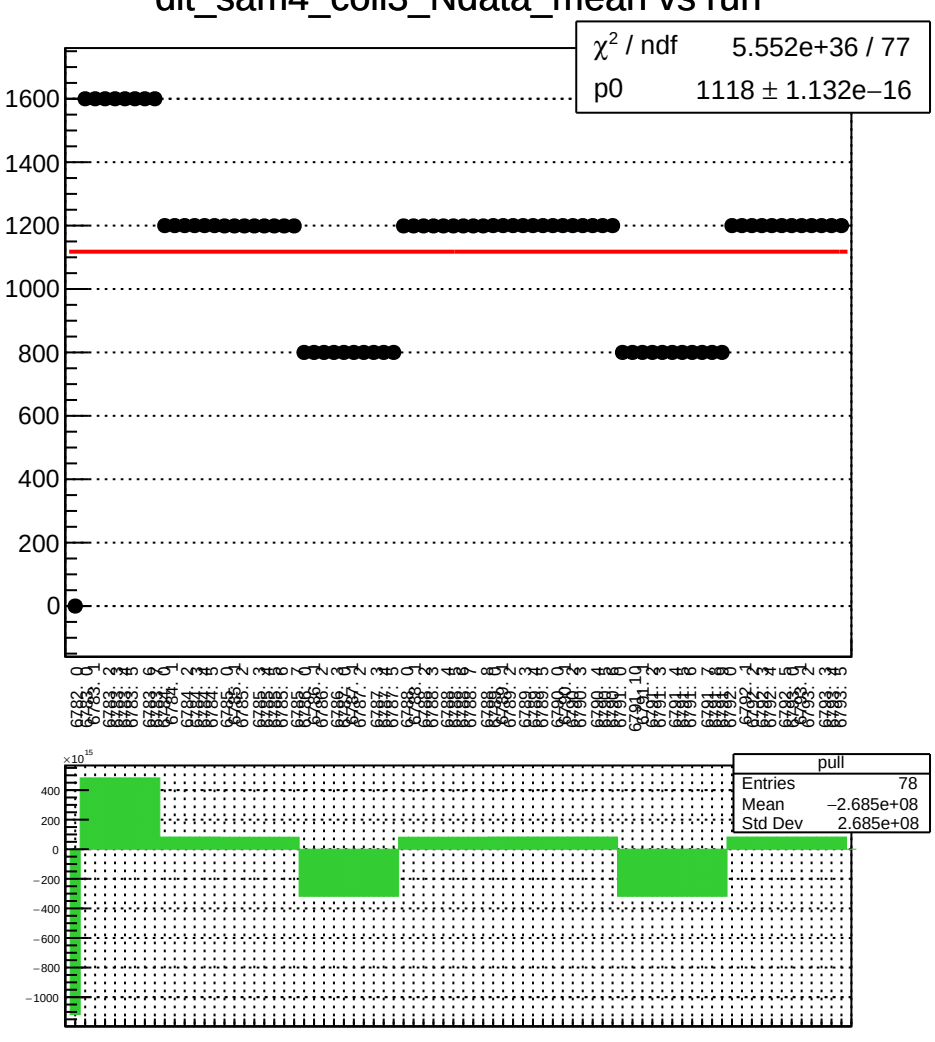

pull1D
Entries 78
Mean 0
Std Dev 0

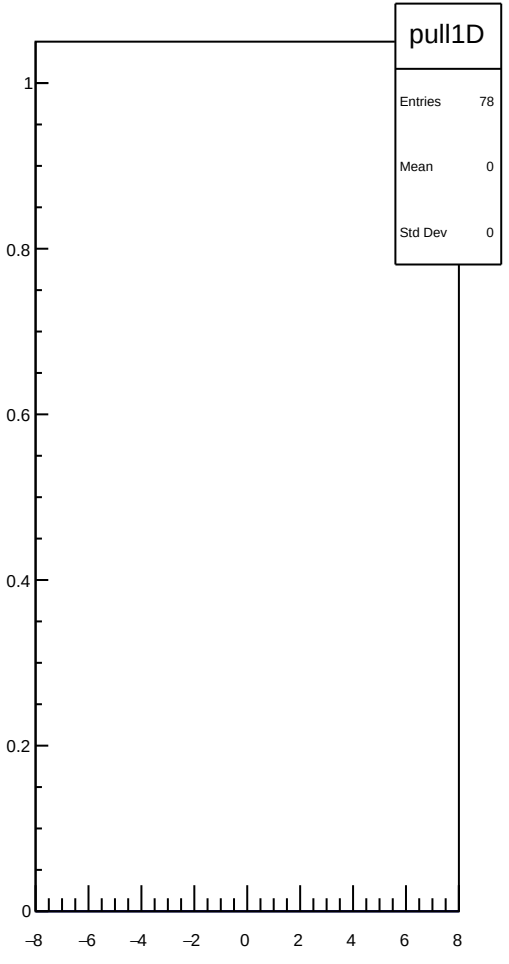

dit_sam4_coil3_mean vs run
χ² / ndf inf / 77
p0 1.951e+04 ± 1.132e−16
20000
15000
10000
5000
0
pull
Entries 78
Mean −2.687e+09
Std Dev 2.687e+09
×10¹⁸
0
−5
−10
−15
−20

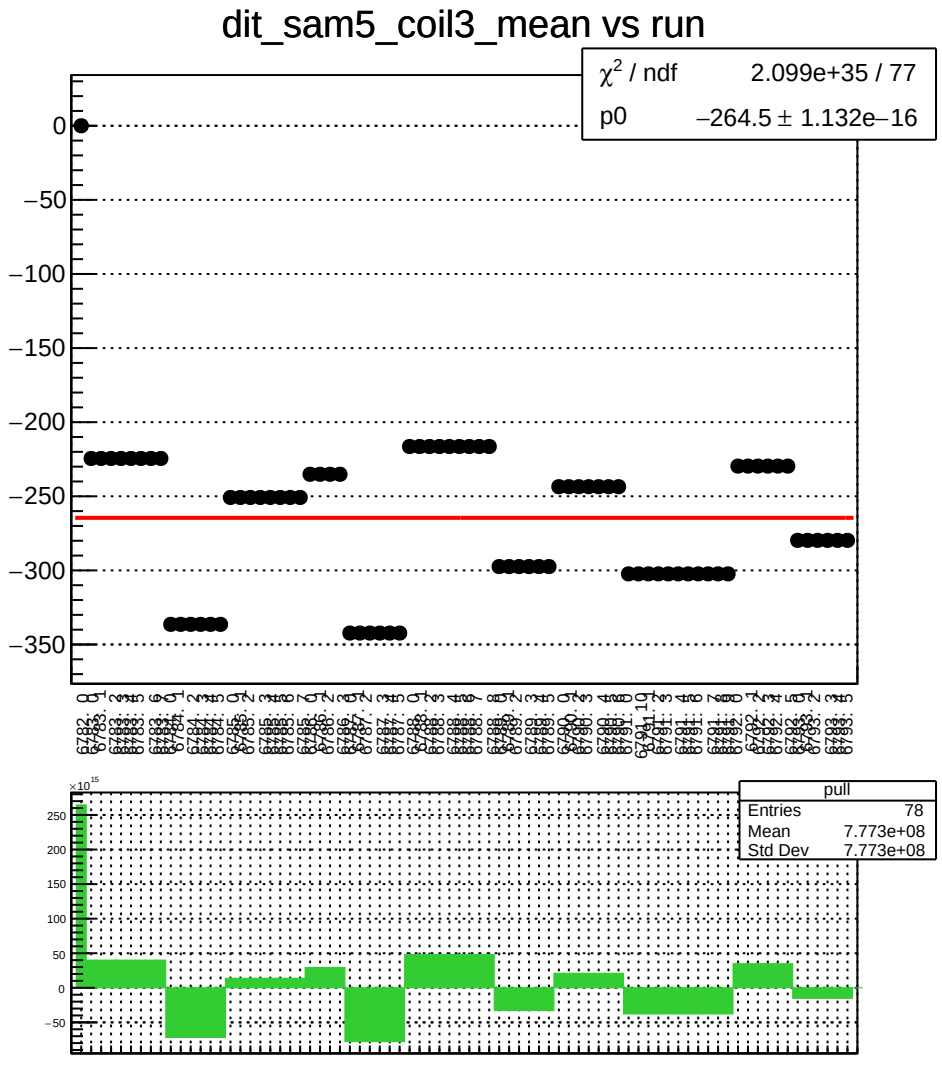

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

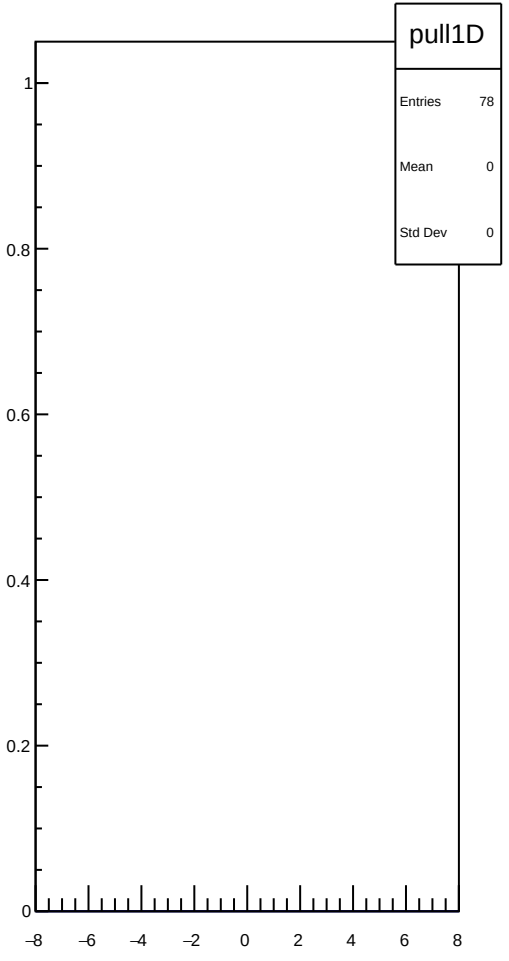

dit_sam4_coil3_err_mean vs run
χ² / ndf 3.613e+35 / 77
p0 453 ± 1.132e−16
pull
Entries 78
Mean −4.596e+09
Std Dev 4.596e+09

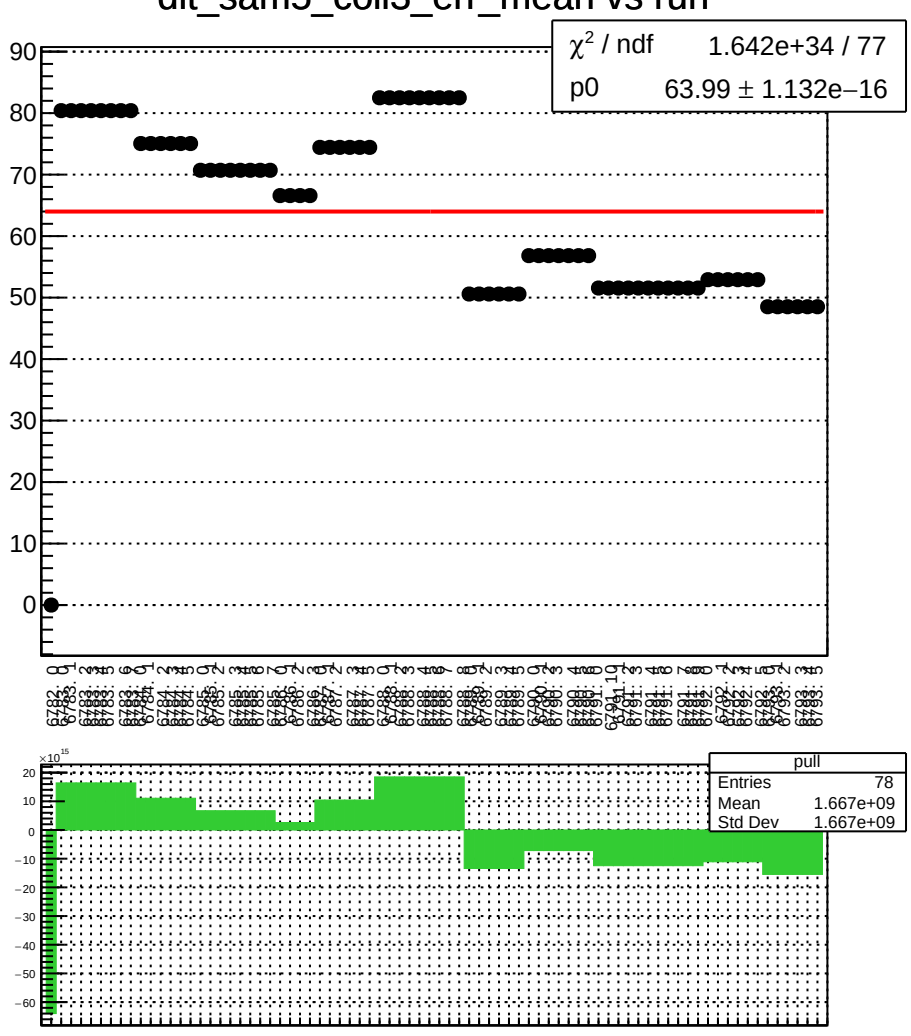

pull1D
Entries 78
Mean 0
Std Dev 0

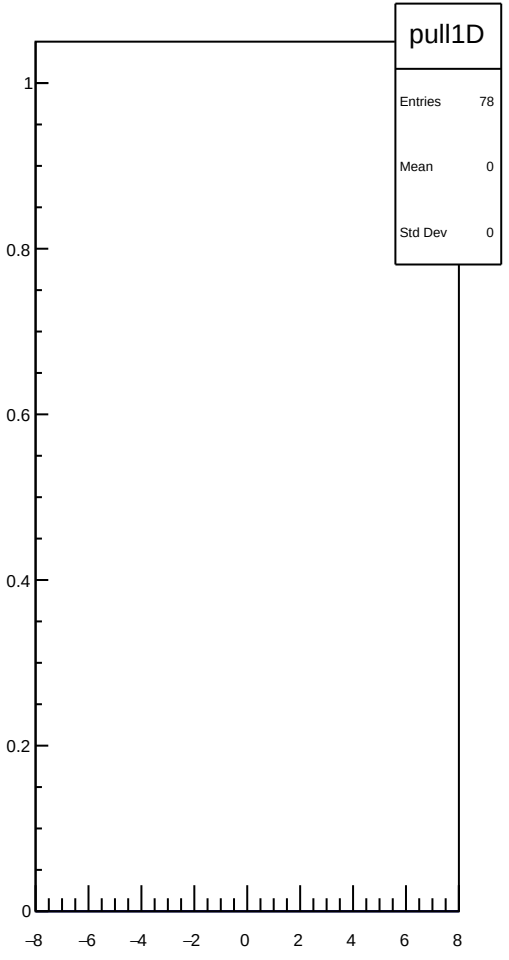

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

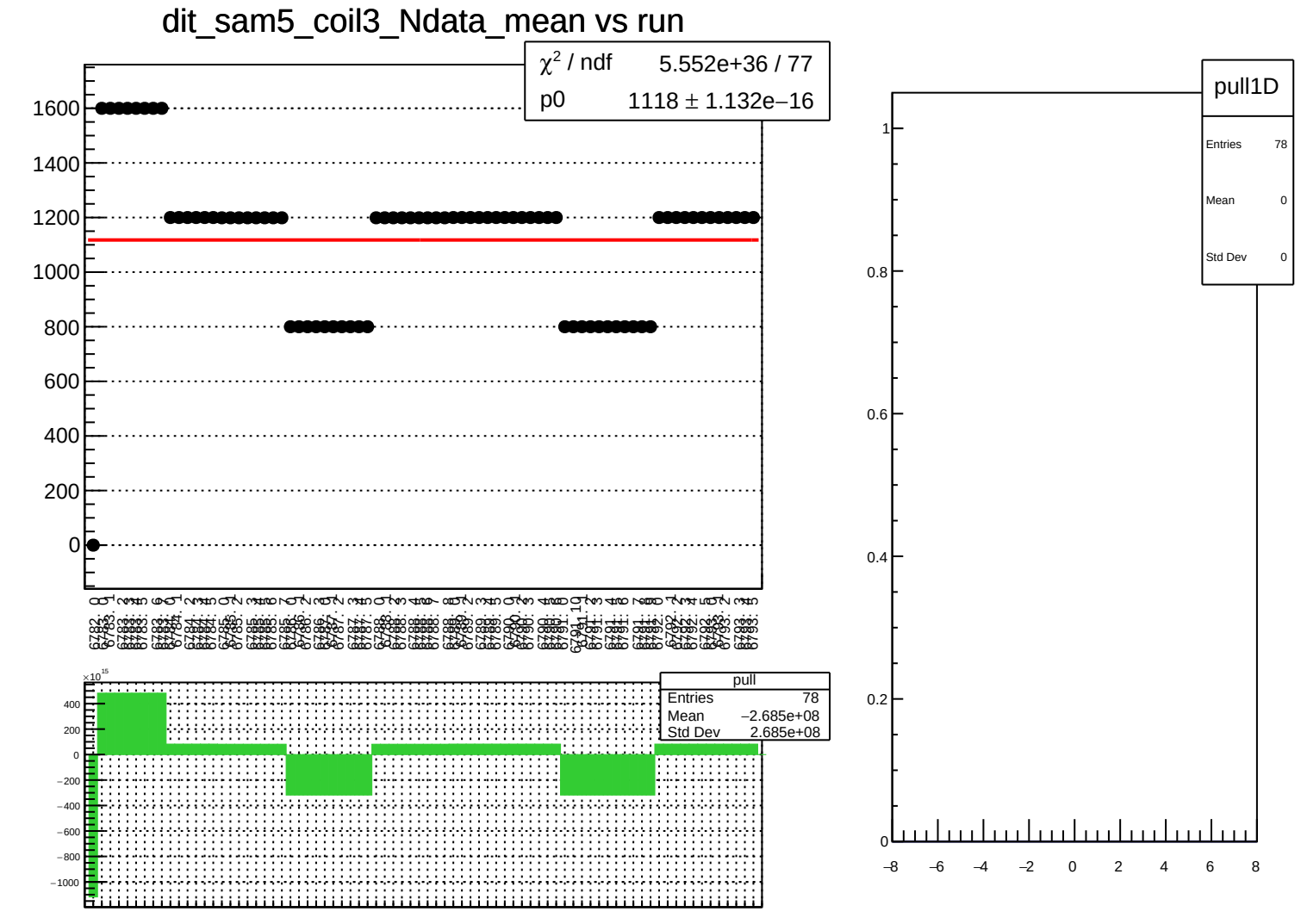

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

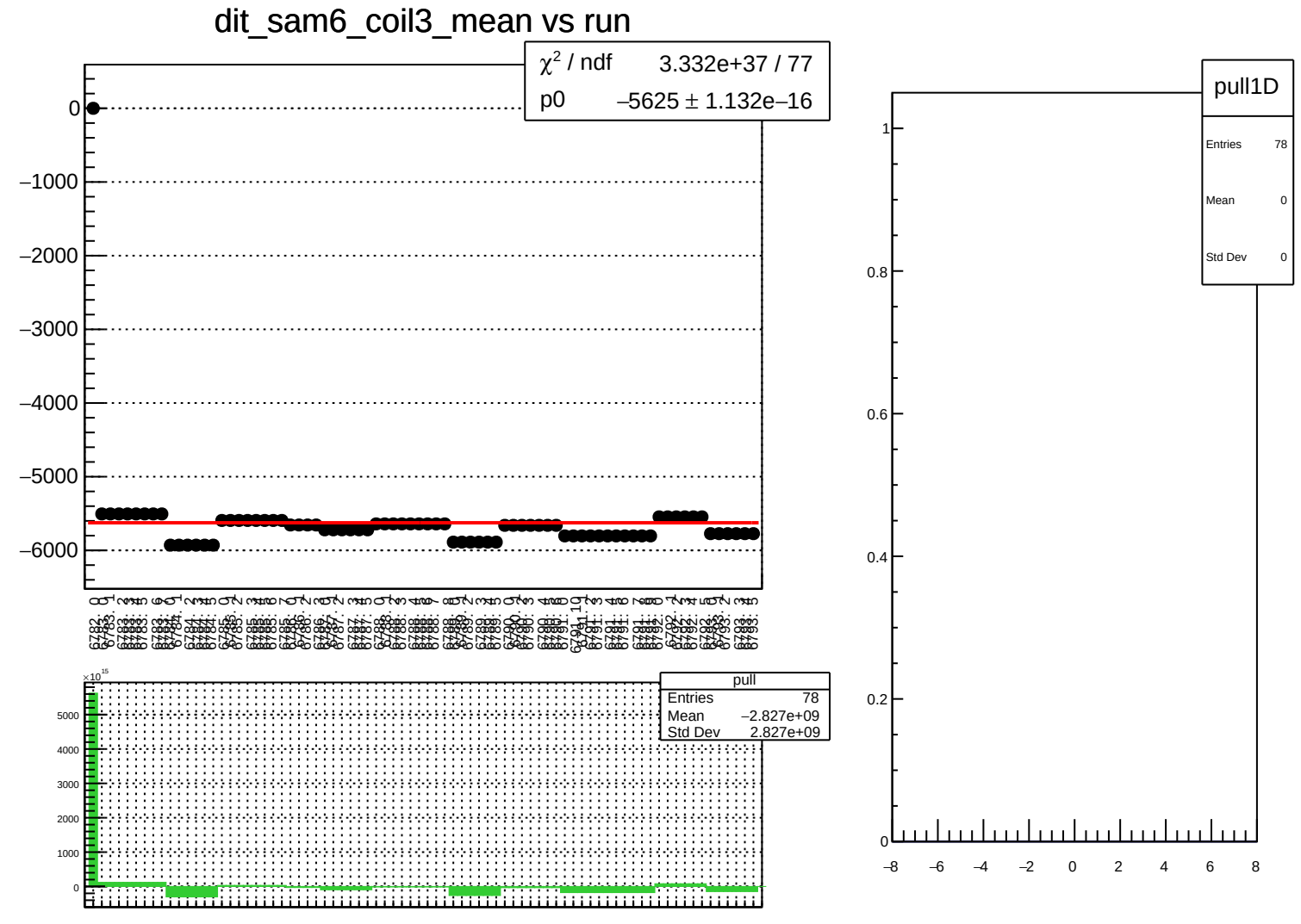

dit_sam5_coil3_mean vs run
χ² / ndf 2.099e+35 / 77
p0 −264.5 ± 1.132e−16
pull
Entries 78
Mean 7.773e+08
Std Dev 7.773e+08

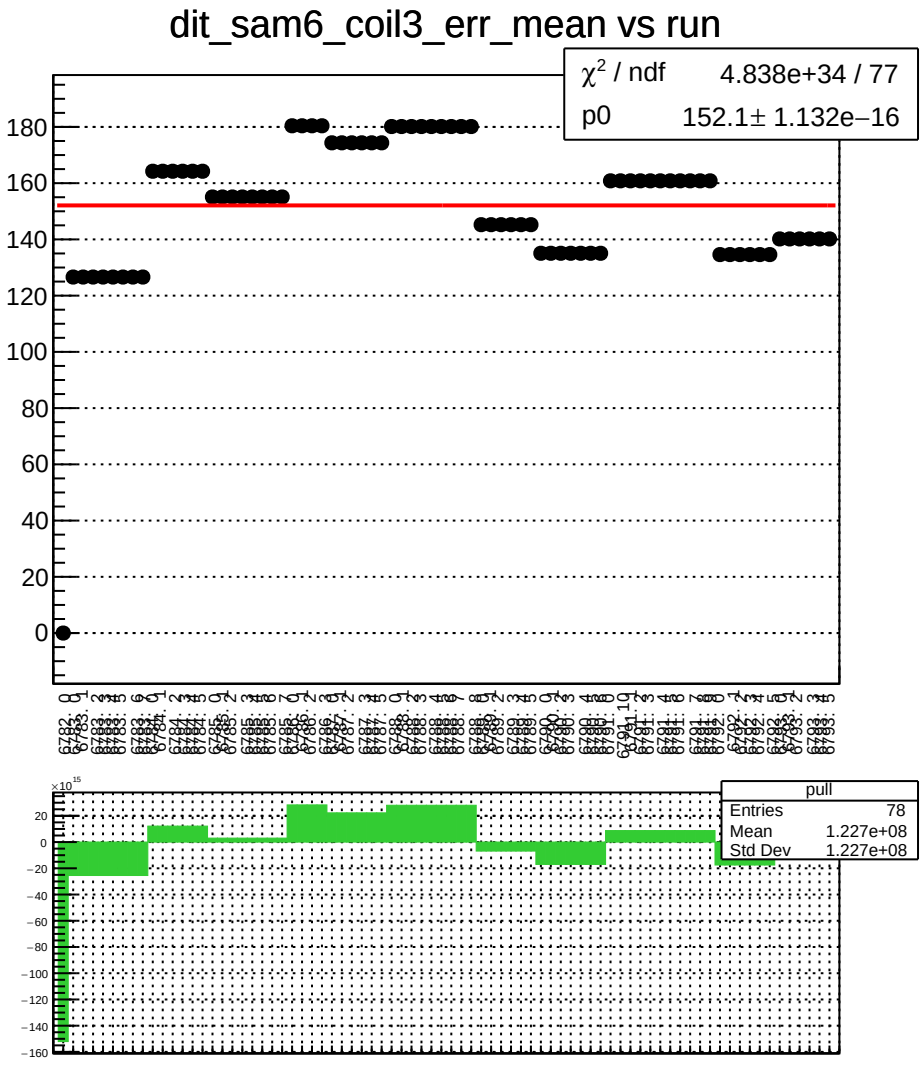

pull1D
Entries 78
Mean 0
Std Dev 0

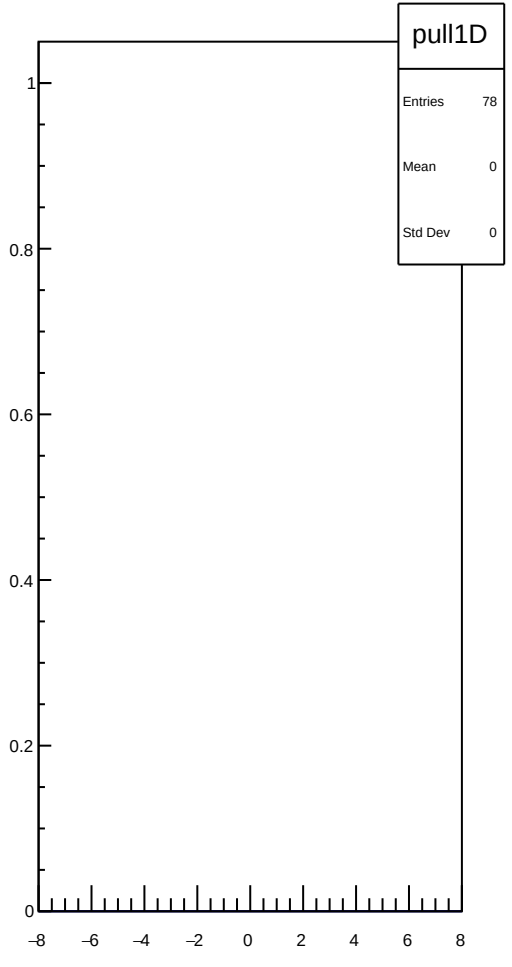

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.642e+34 / 77
p0 63.99 ± 1.132e−16
pull
Entries 78
Mean 1.667e+09
Std Dev 1.667e+09

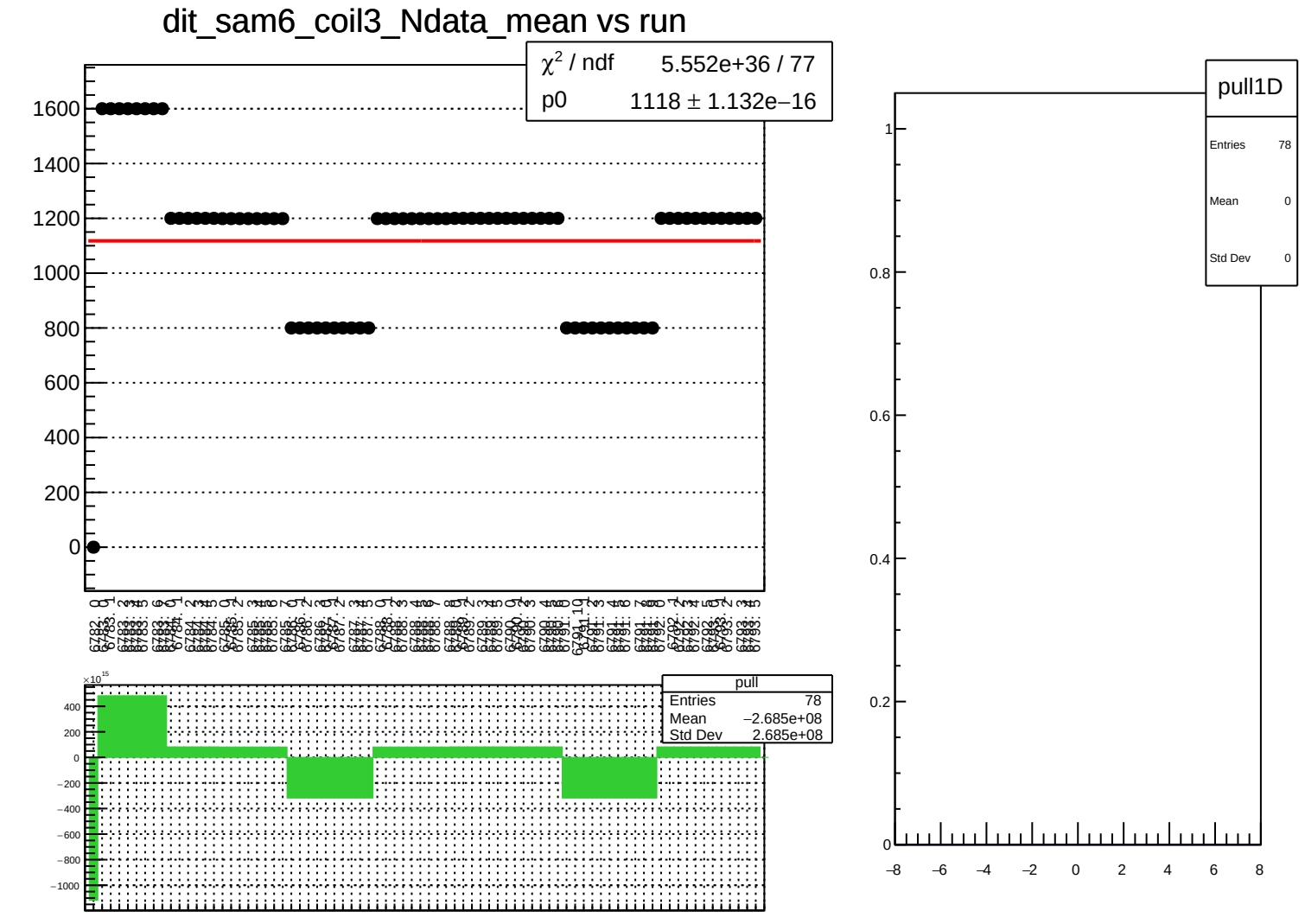

pull1D
Entries 78
Mean 0
Std Dev 0

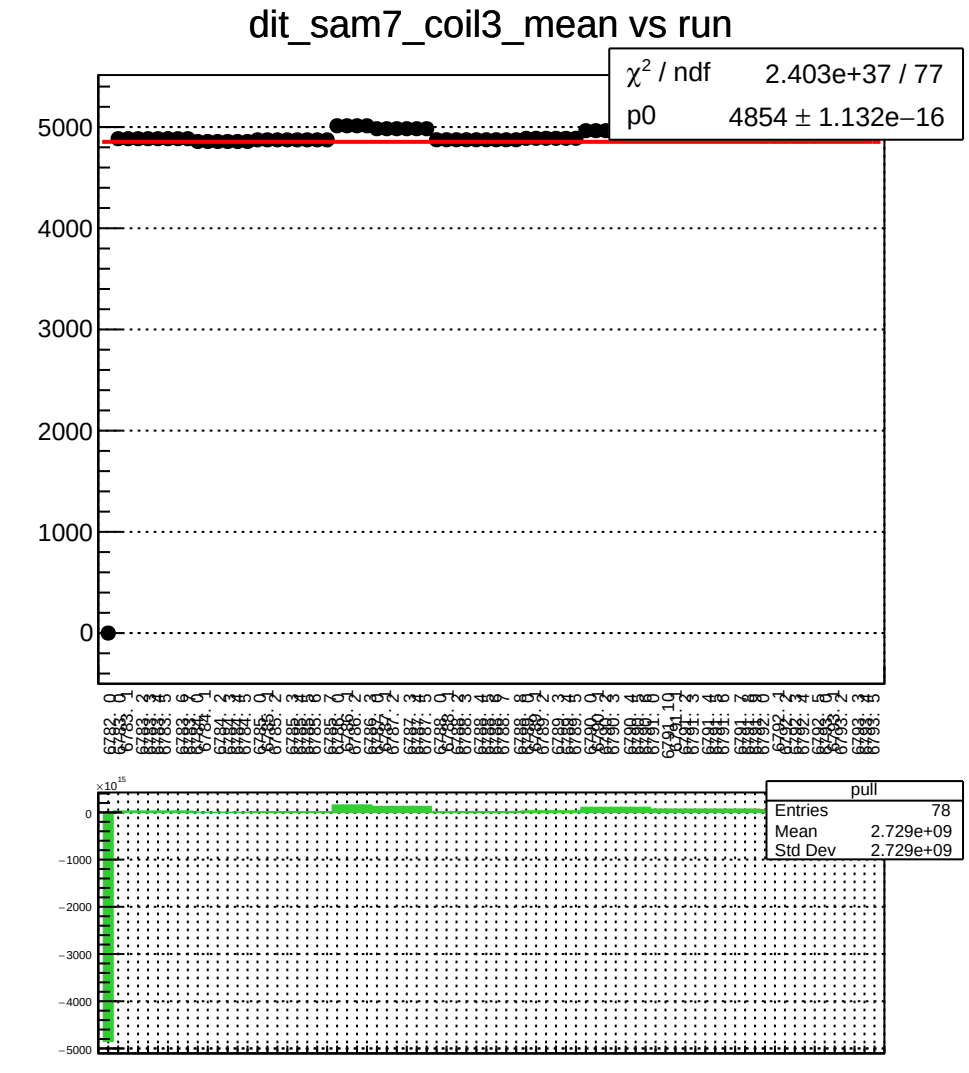

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

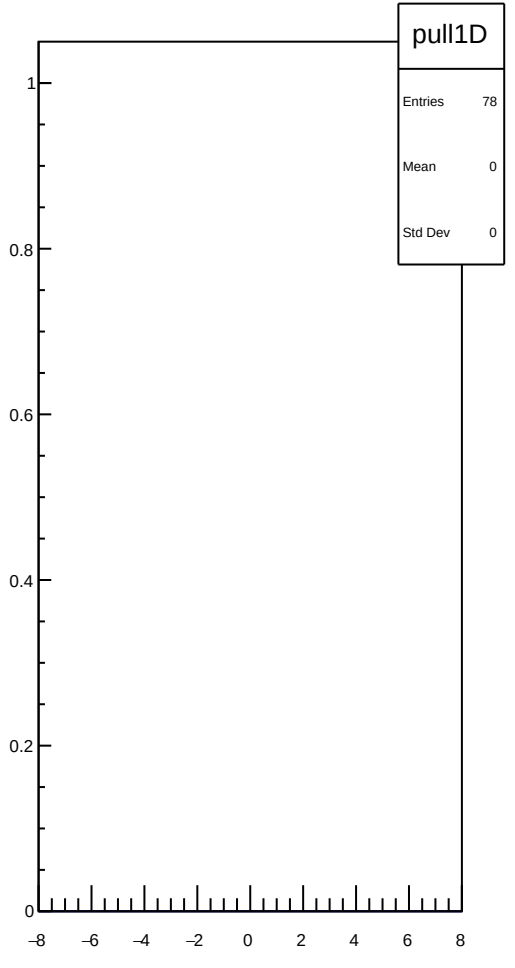

dit_sam6_coil3_mean vs run
χ² / ndf 3.332e+37 / 77
p0 −5625 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 78
Mean −2.827e+09
Std Dev 2.827e+09
×10¹⁵
5000
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

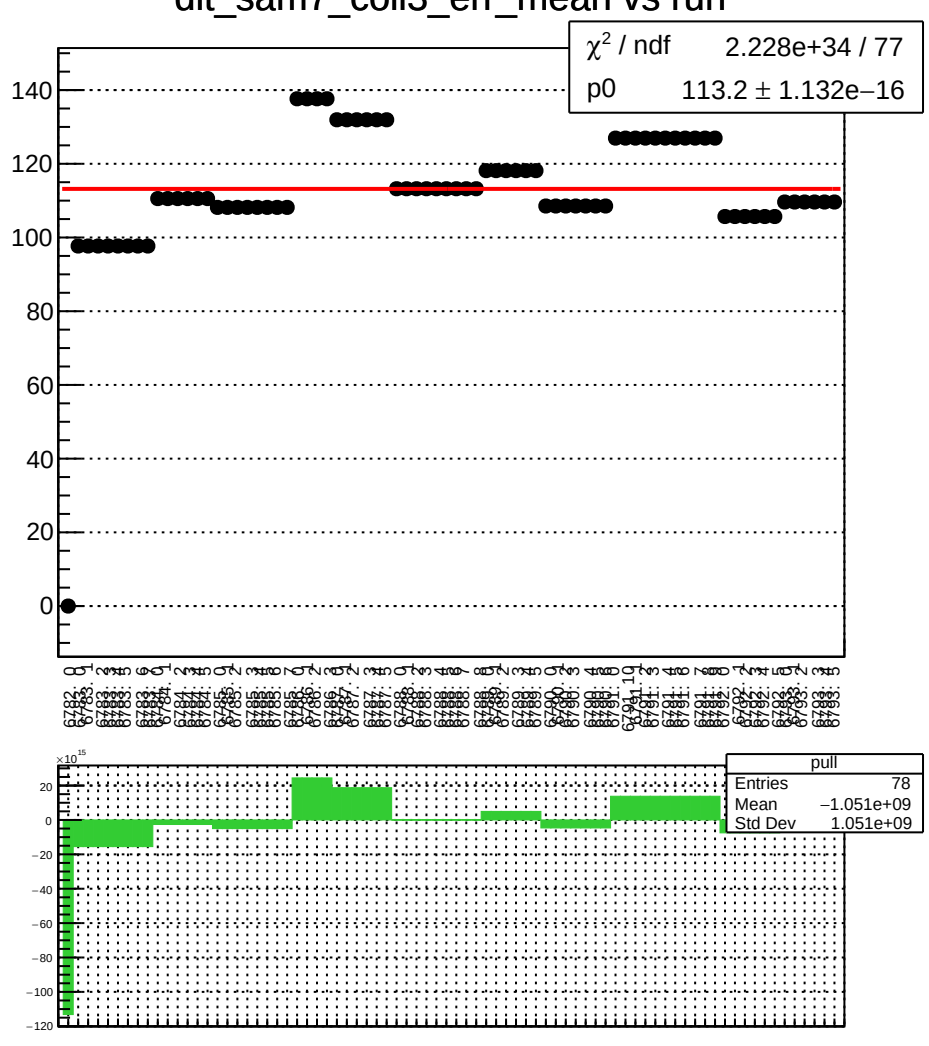

dit_sam6_coil3_err_mean vs run
χ² / ndf 4.838e+34 / 77
p0 152.1± 1.132e−16
pull
Entries 78
Mean 1.227e+08
Std Dev 1.227e+08

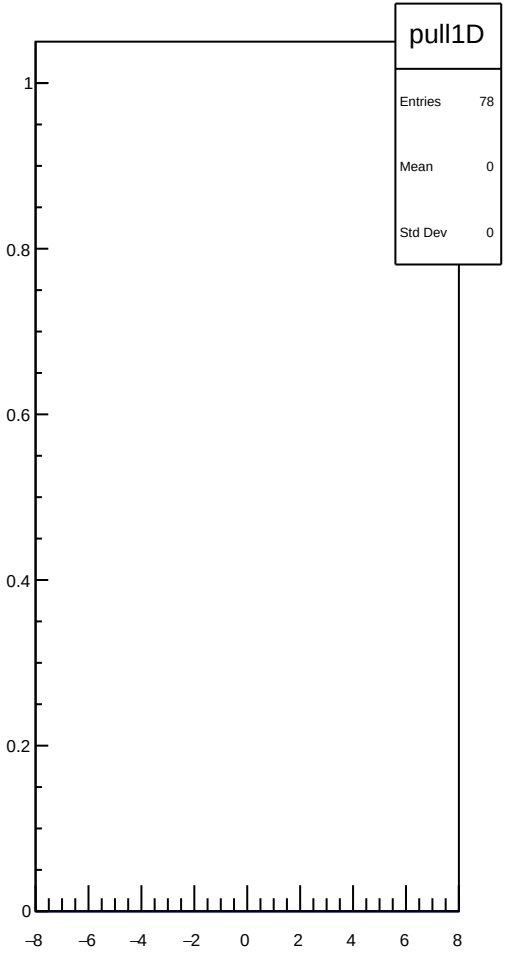

pull1D
Entries 78
Mean 0
Std Dev 0

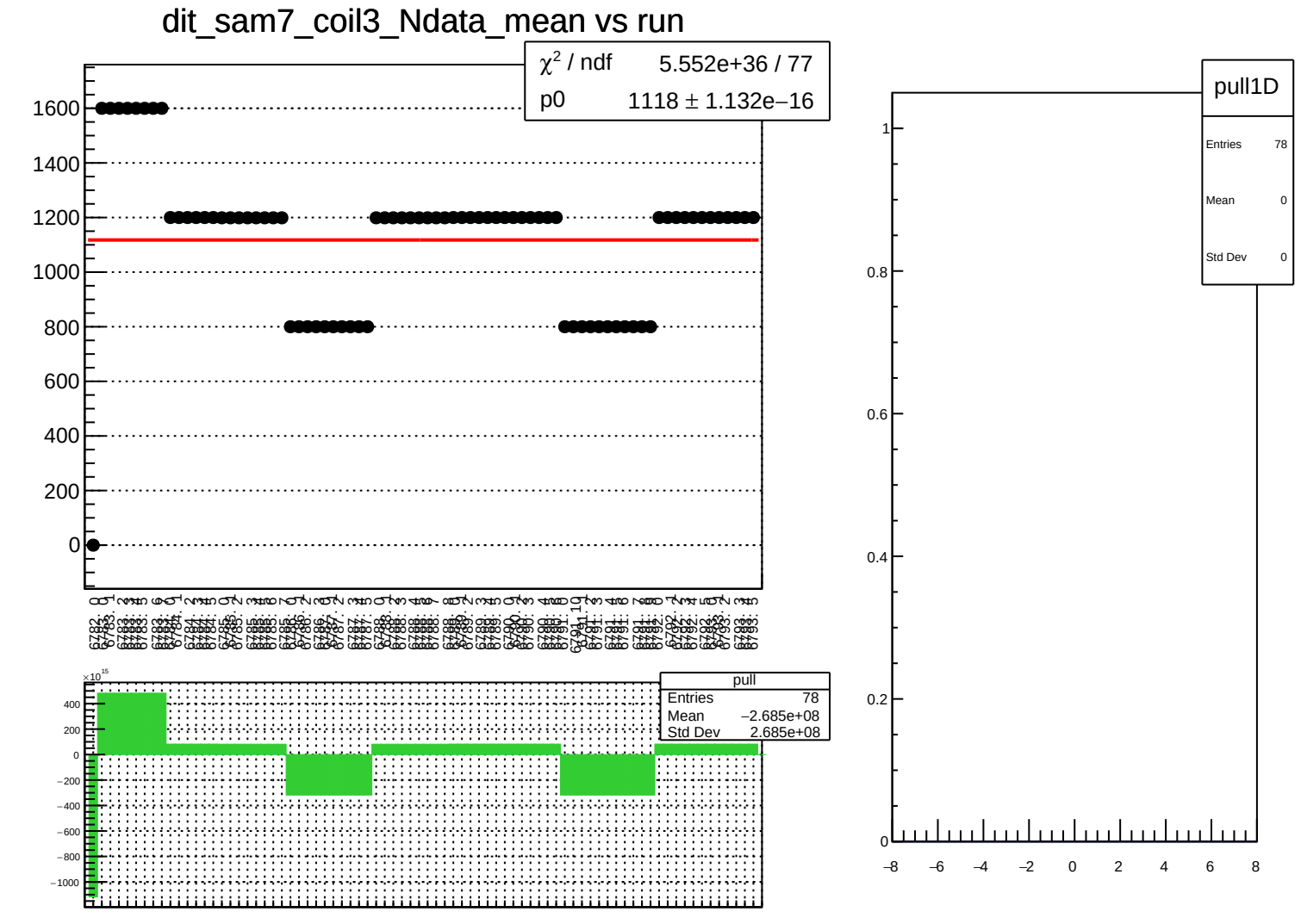

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

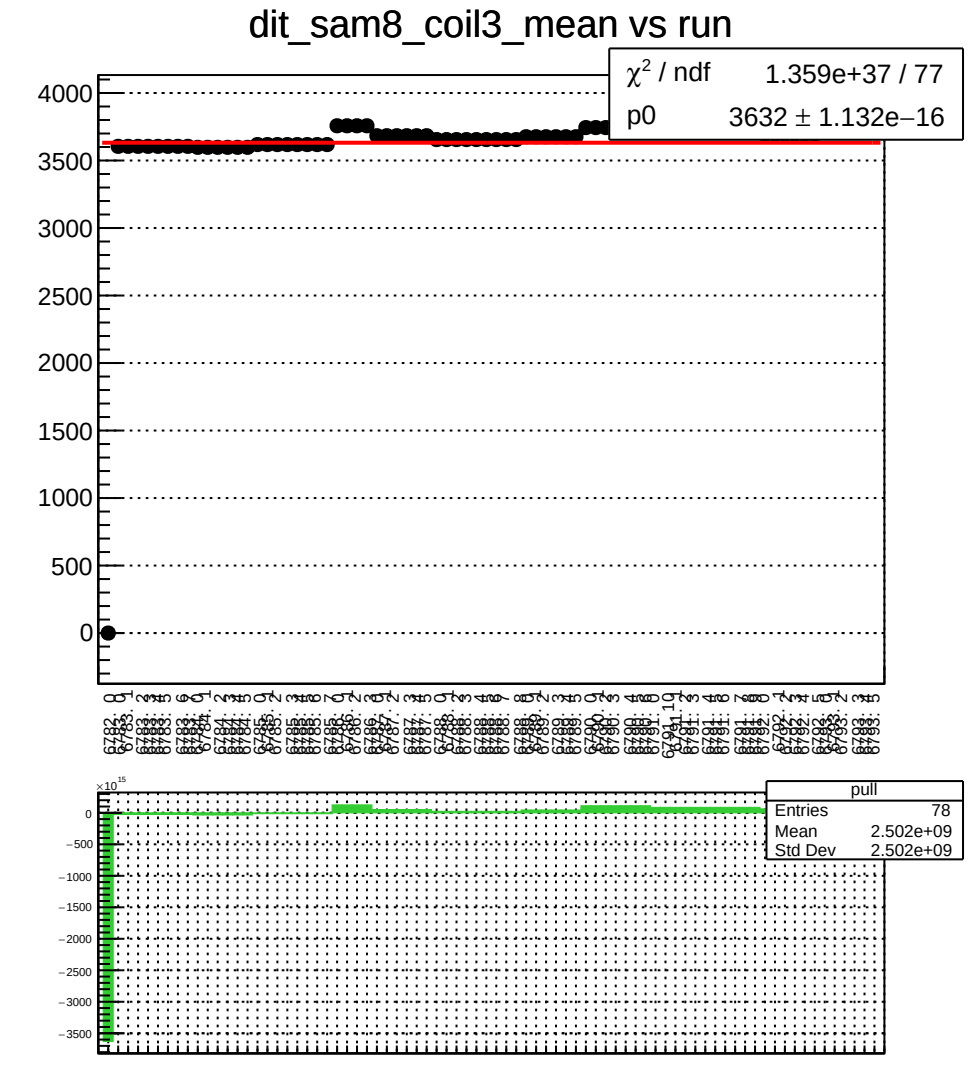

dit_sam7_coil3_mean vs run
χ² / ndf 2.403e+37 / 77
p0 4854 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean 2.729e+09
Std Dev 2.729e+09
×10¹⁵
0
−1000
−2000
−3000
−4000
−5000

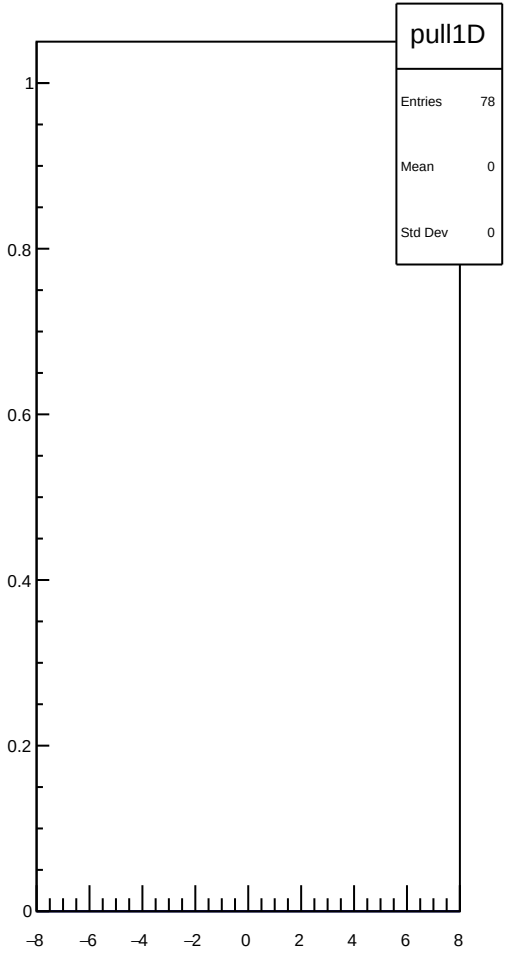

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

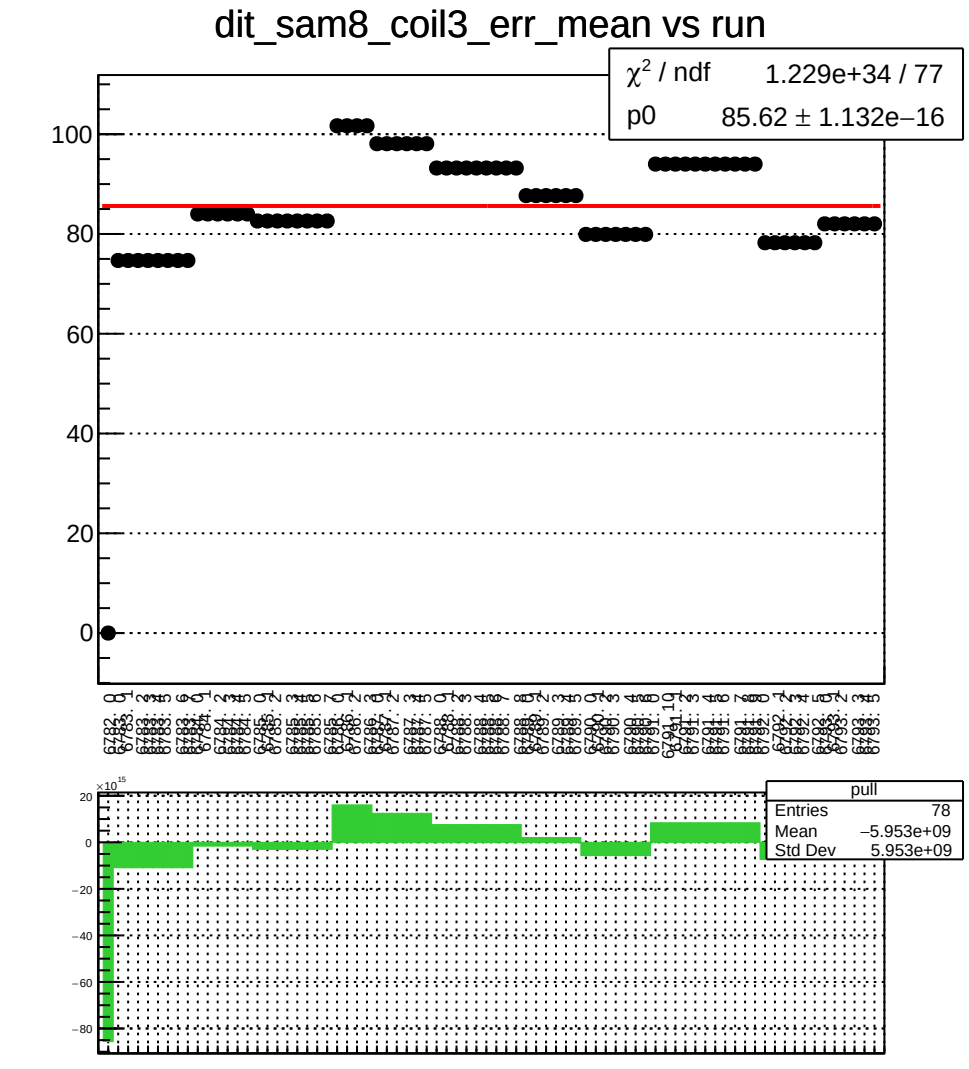

dit_sam7_coil3_err_mean vs run
χ² / ndf 2.228e+34 / 77
p0 113.2 ± 1.132e−16
pull
Entries 78
Mean −1.051e+09
Std Dev 1.051e+09

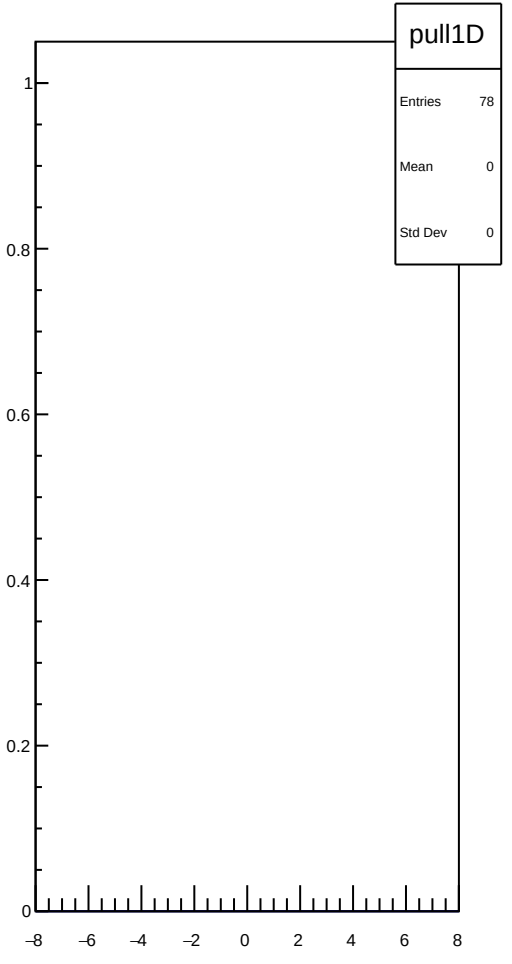

pull1D
Entries 78
Mean 0
Std Dev 0

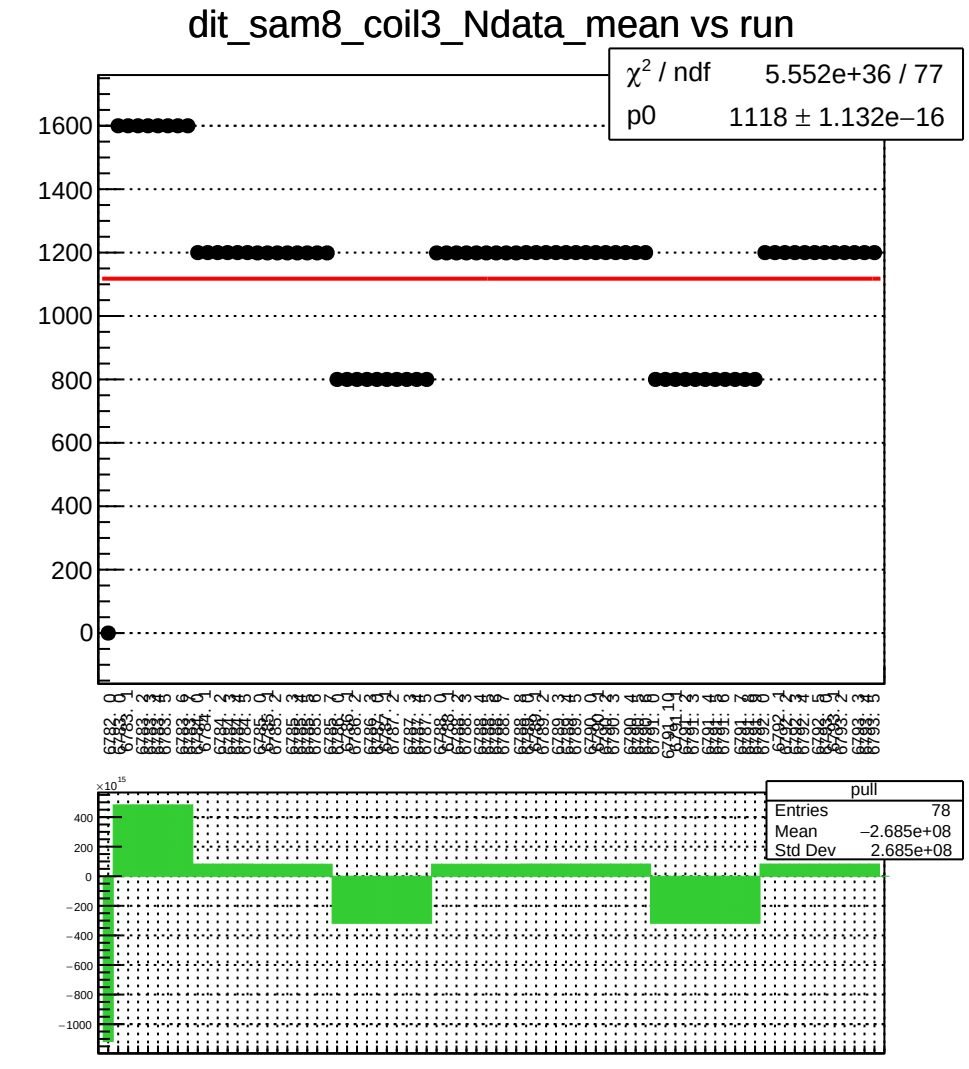

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
pull1D
Entries 78
Mean 0
Std Dev 0

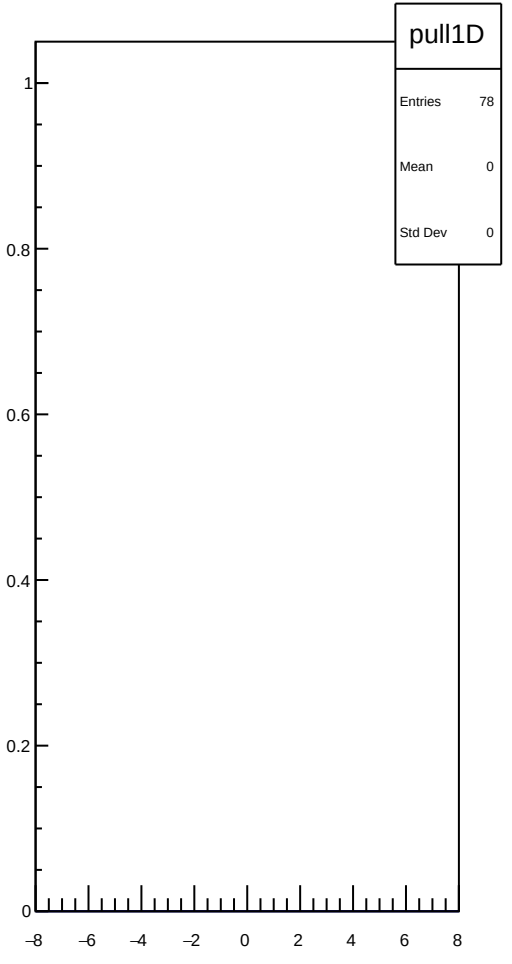

dit_sam8_coil3_mean vs run
χ² / ndf 1.359e+37 / 77
p0 3632 ± 1.132e−16
pull
Entries 78
Mean 2.502e+09
Std Dev 2.502e+09

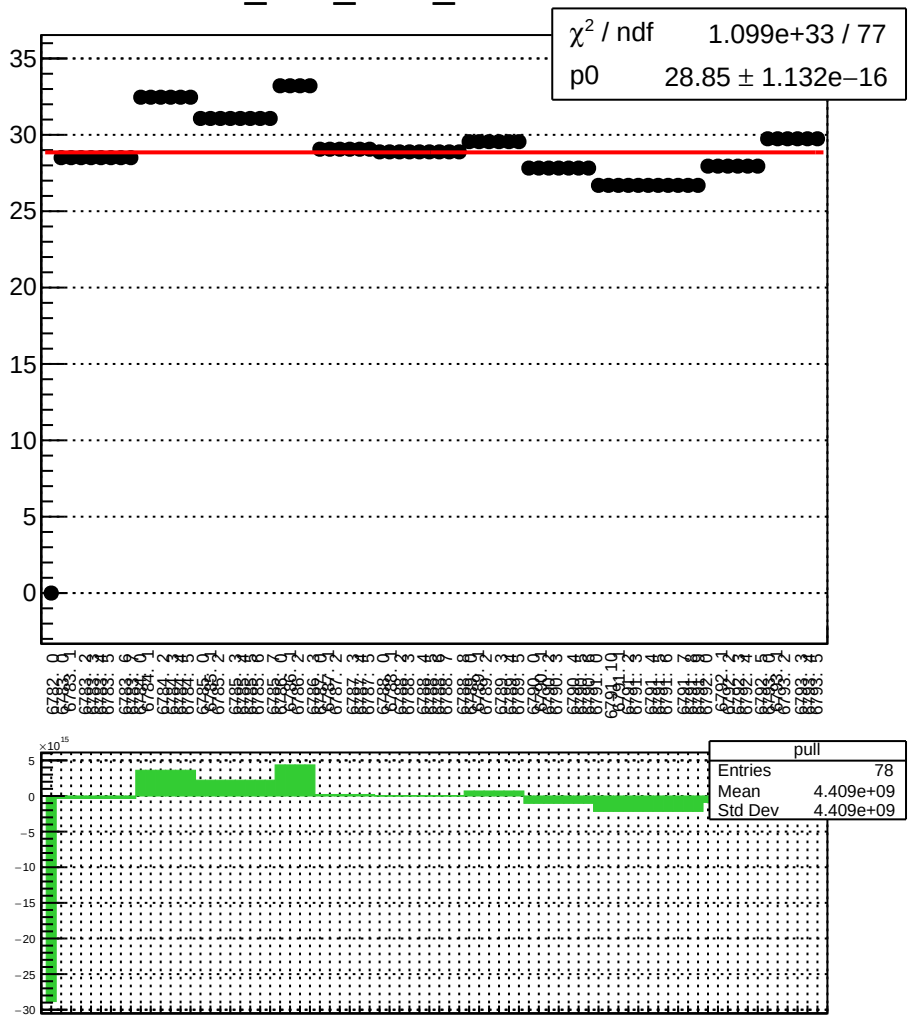

pull1D
Entries 78
Mean 0
Std Dev 0

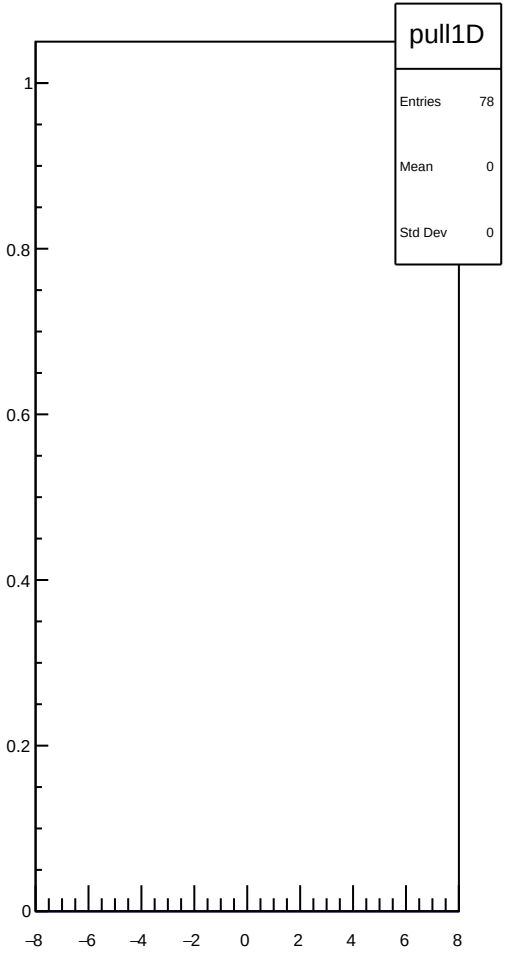

dit_sam8_coil3_err_mean vs run
χ² / ndf 1.229e+34 / 77
p0 85.62 ± 1.132e−16
100
80
60
40
20
0
pull
Entries 78
Mean −5.953e+09
Std Dev 5.953e+09
×10¹⁵
20
0
−20
−40
−60
−80

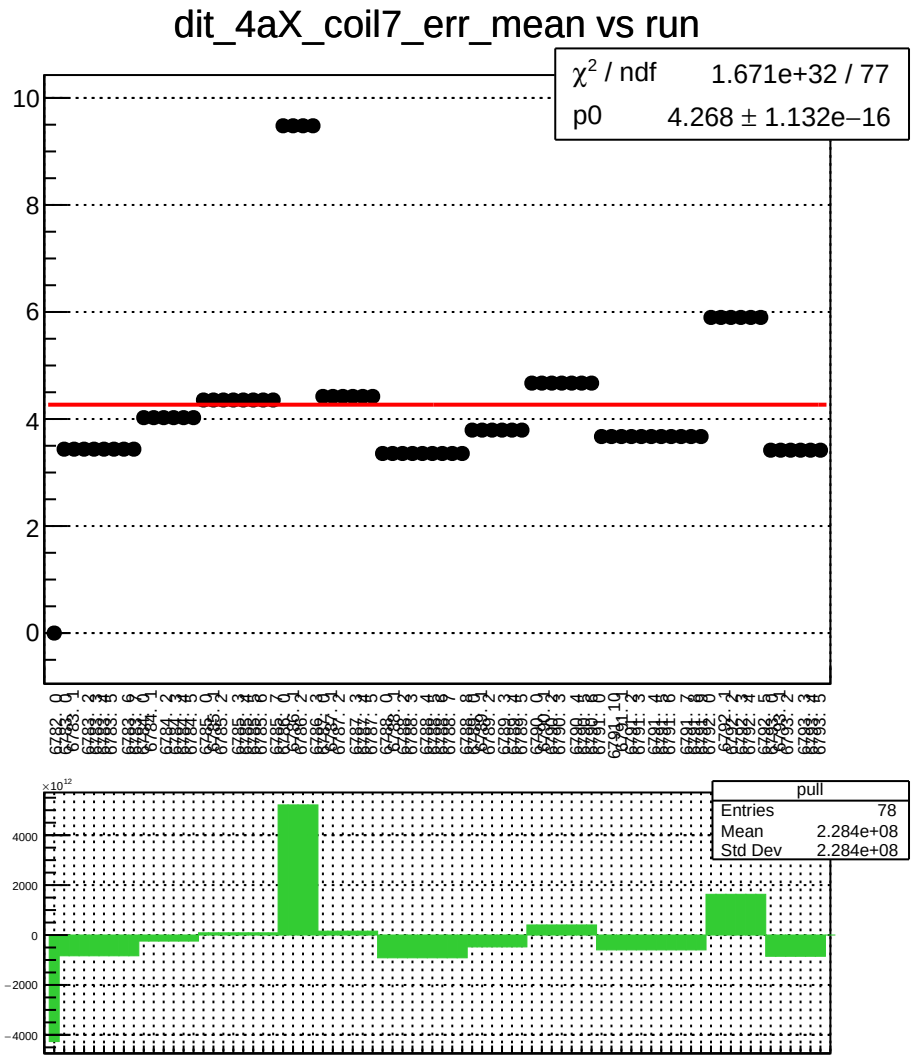

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

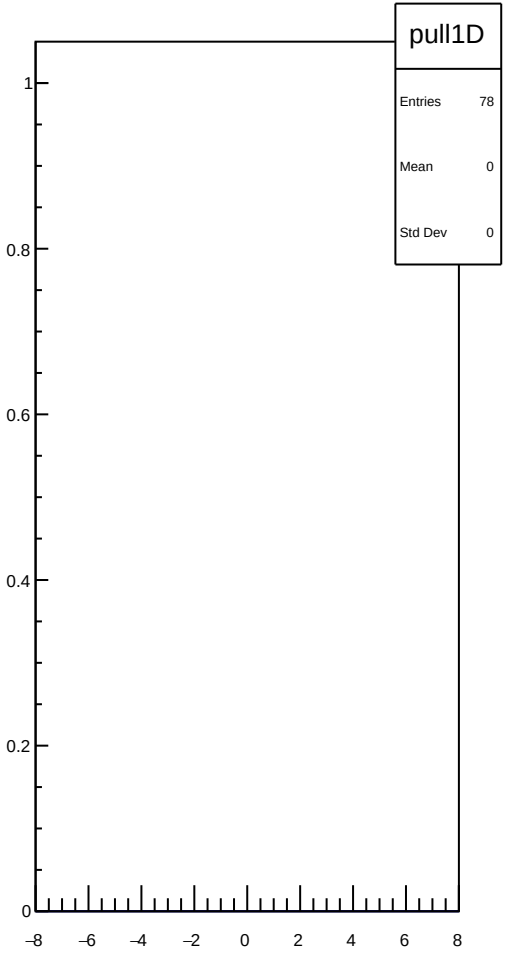

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 5.552e+36 / 77
p0 1118 ± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.685e+08
Std Dev 2.685e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000

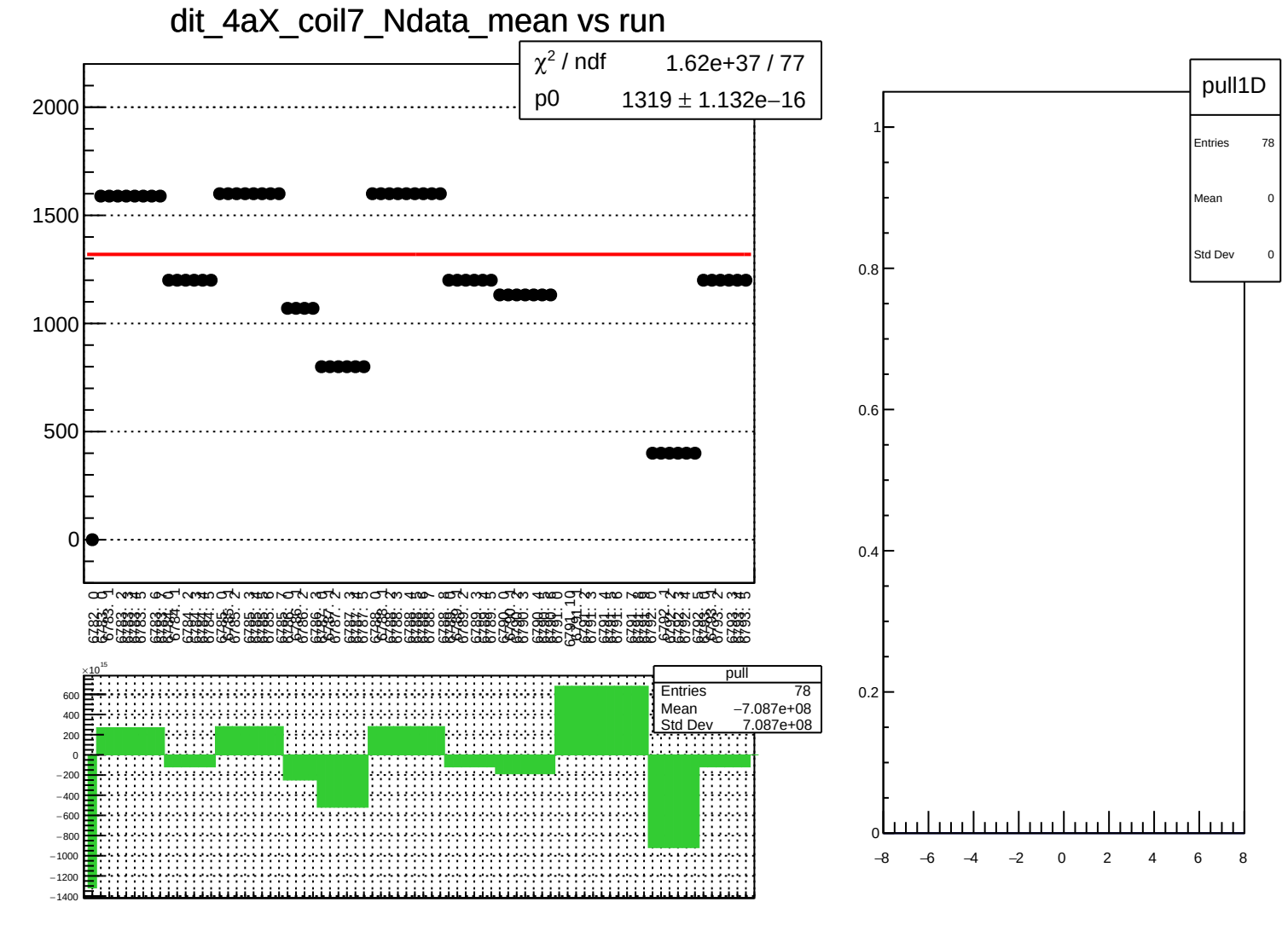

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

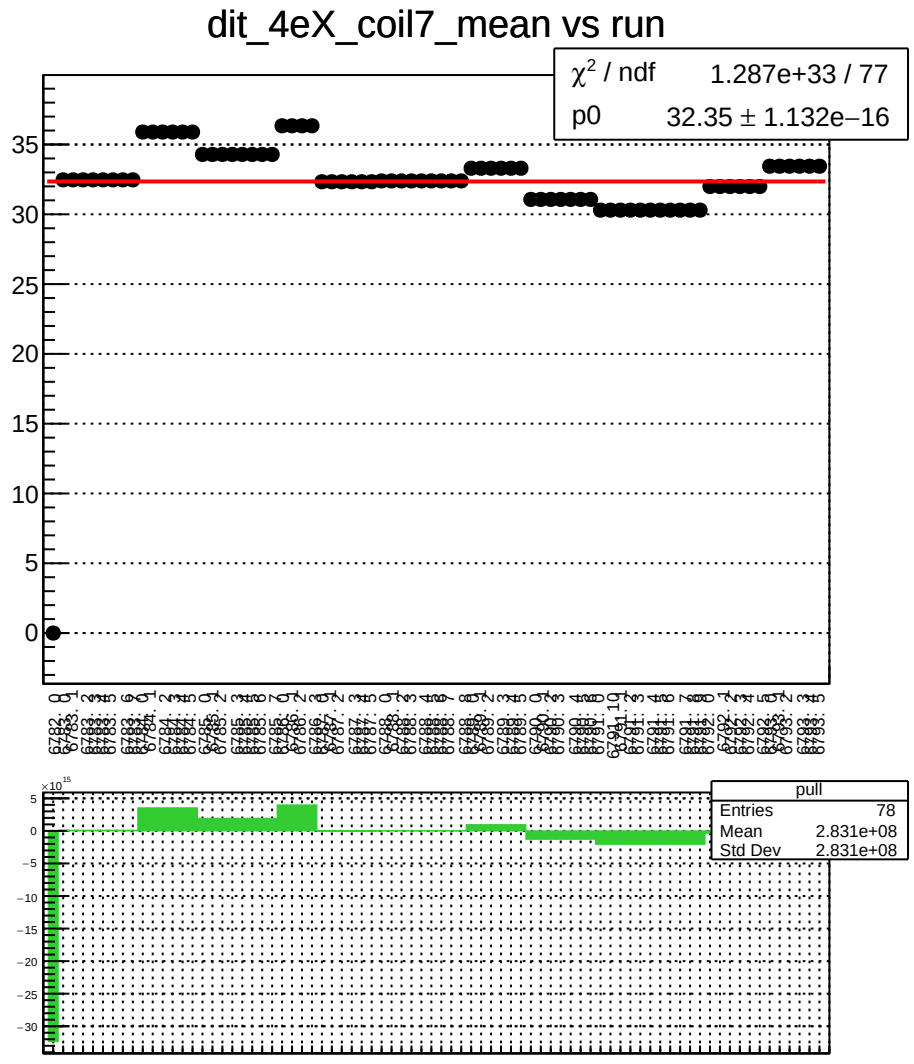

dit_4aX_coil7_mean vs run
χ² / ndf 1.099e+33 / 77
p0 28.85 ± 1.132e−16
pull
Entries 78
Mean 4.409e+09
Std Dev 4.409e+09

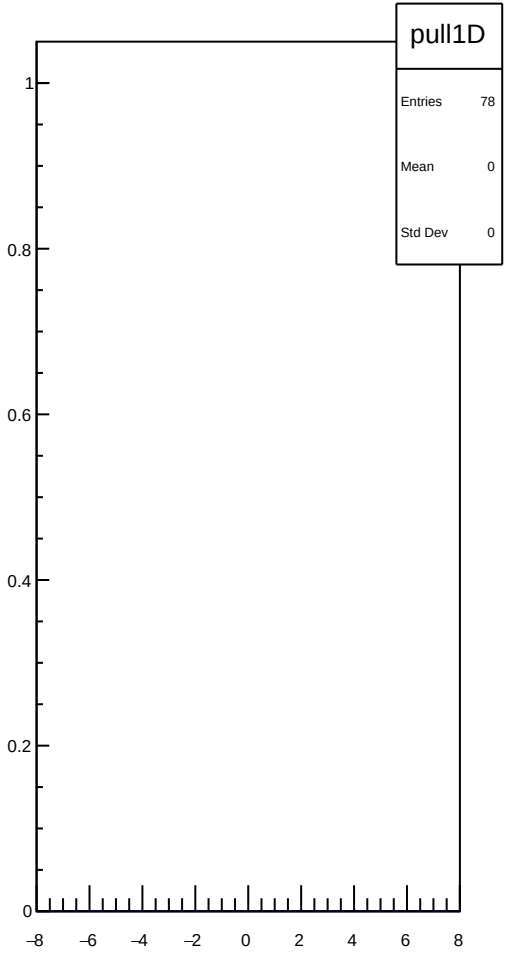

pull1D
Entries 78
Mean 0
Std Dev 0

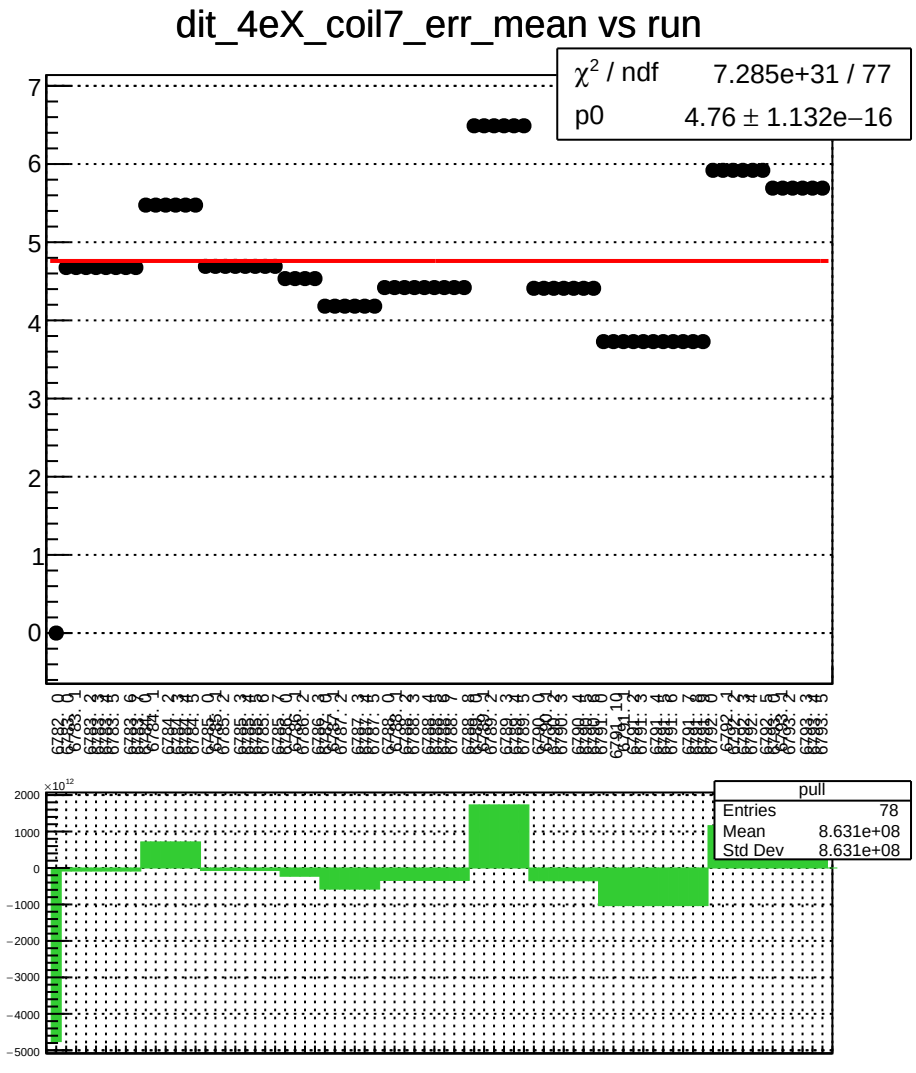

dit_4aX_coil7_err_mean vs run
χ² / ndf 1.671e+32 / 77
p0 4.268 ± 1.132e−16
pull
Entries 78
Mean 2.284e+08
Std Dev 2.284e+08
×10¹²

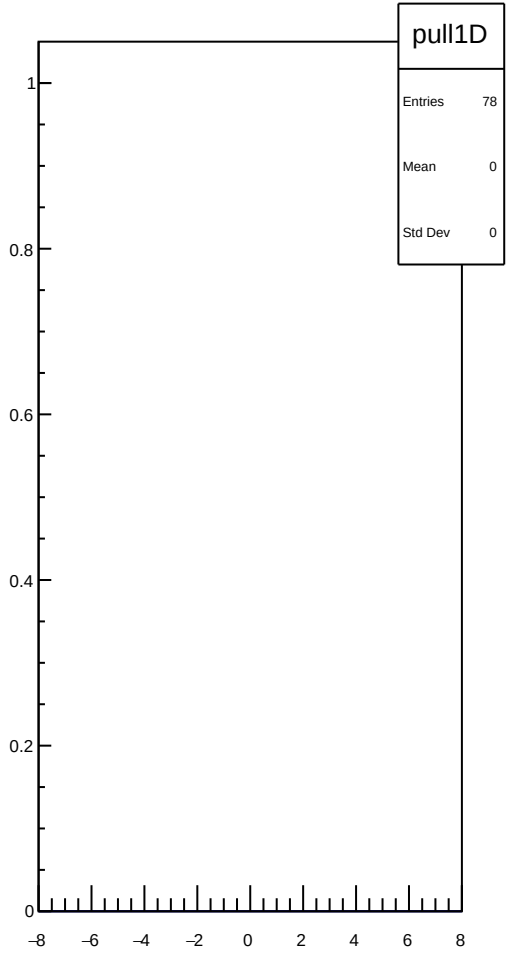

pull1D
Entries 78
Mean 0
Std Dev 0

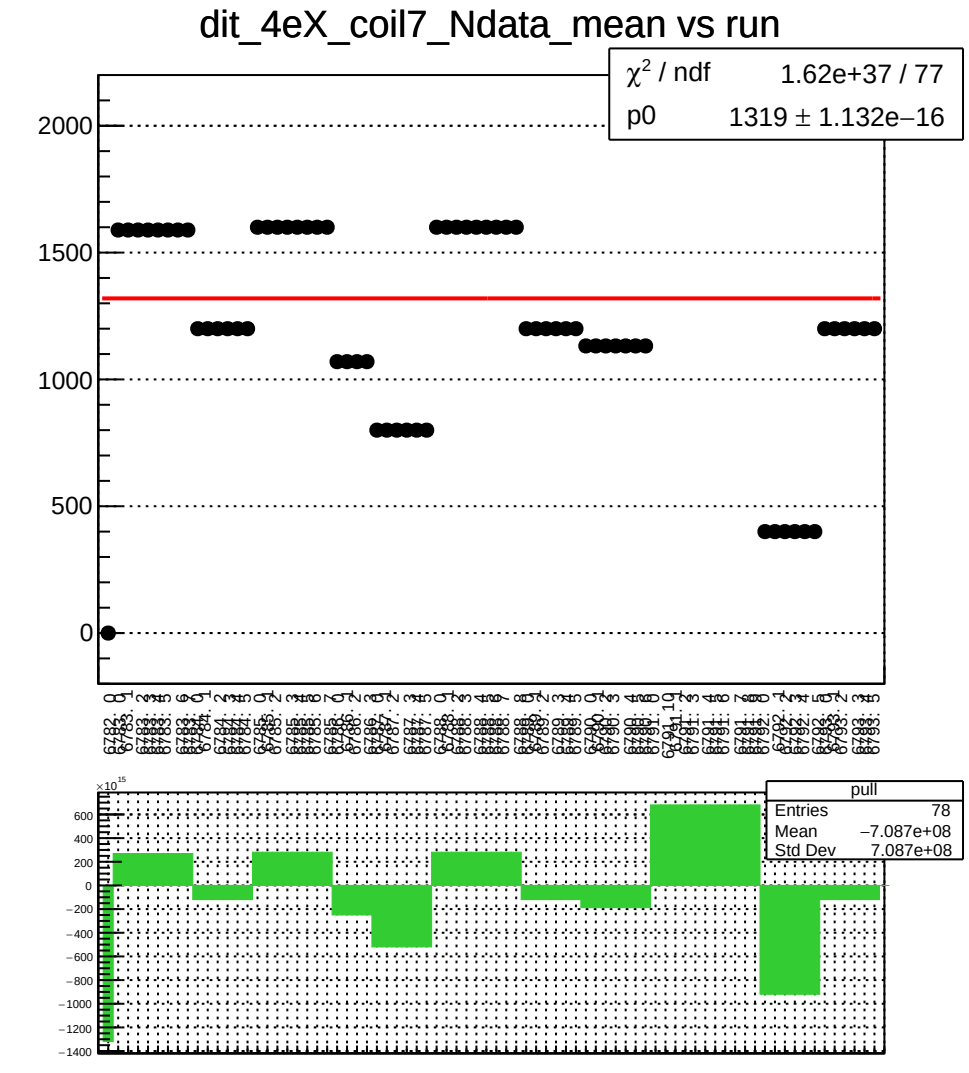

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

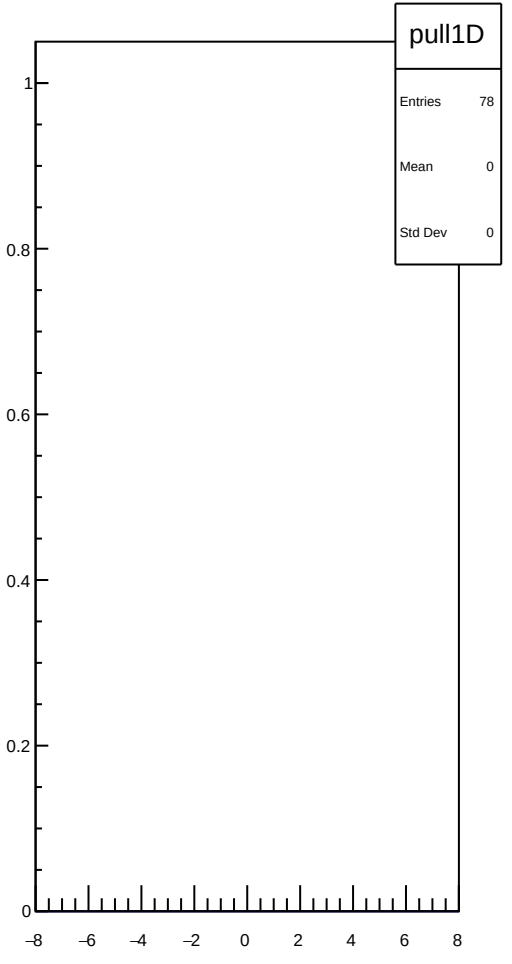

dit_4eX_coil7_mean vs run
χ² / ndf 1.287e+33 / 77
p0 32.35 ± 1.132e−16
pull
Entries 78
Mean 2.831e+08
Std Dev 2.831e+08

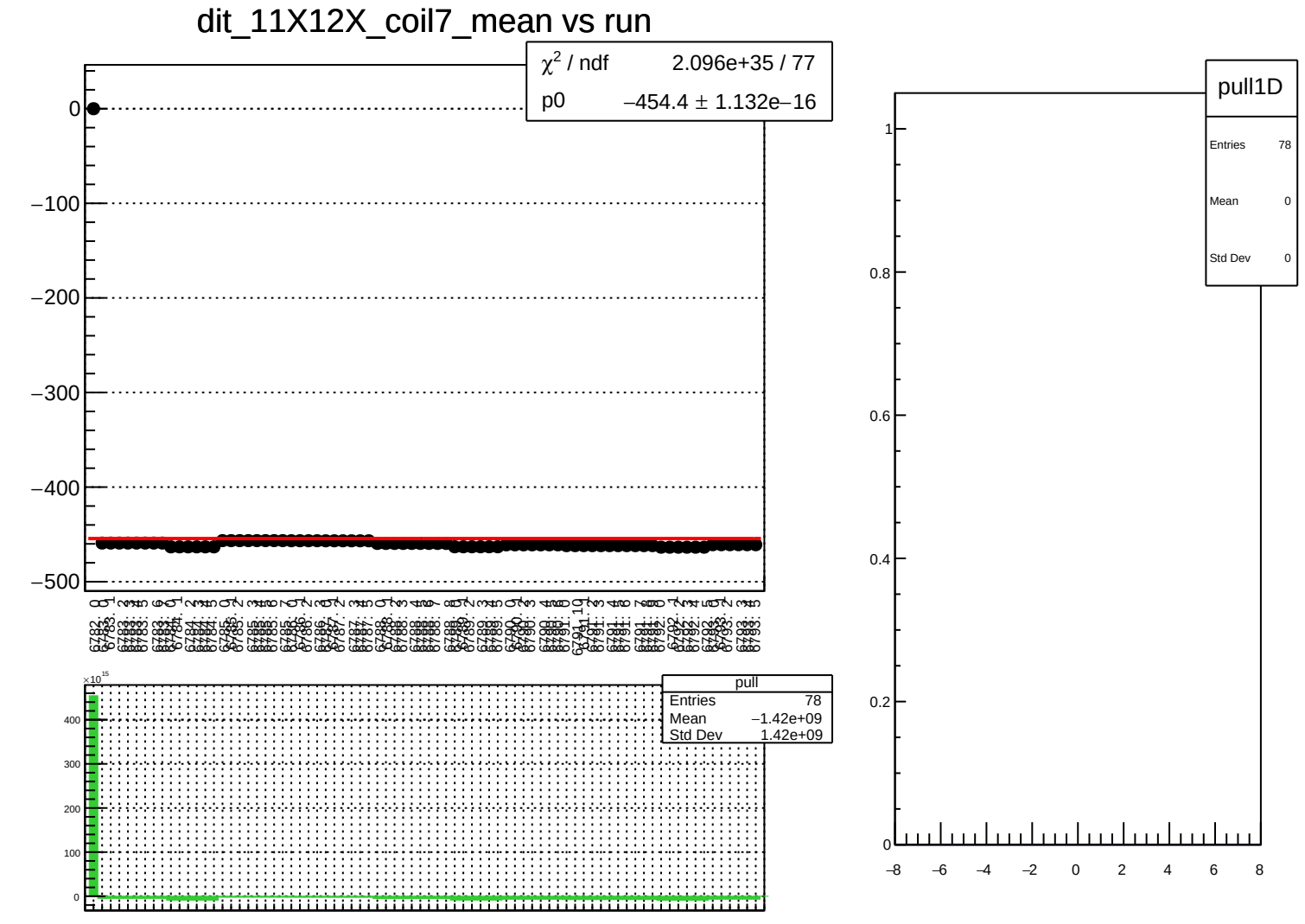

pull1D
Entries 78
Mean 0
Std Dev 0

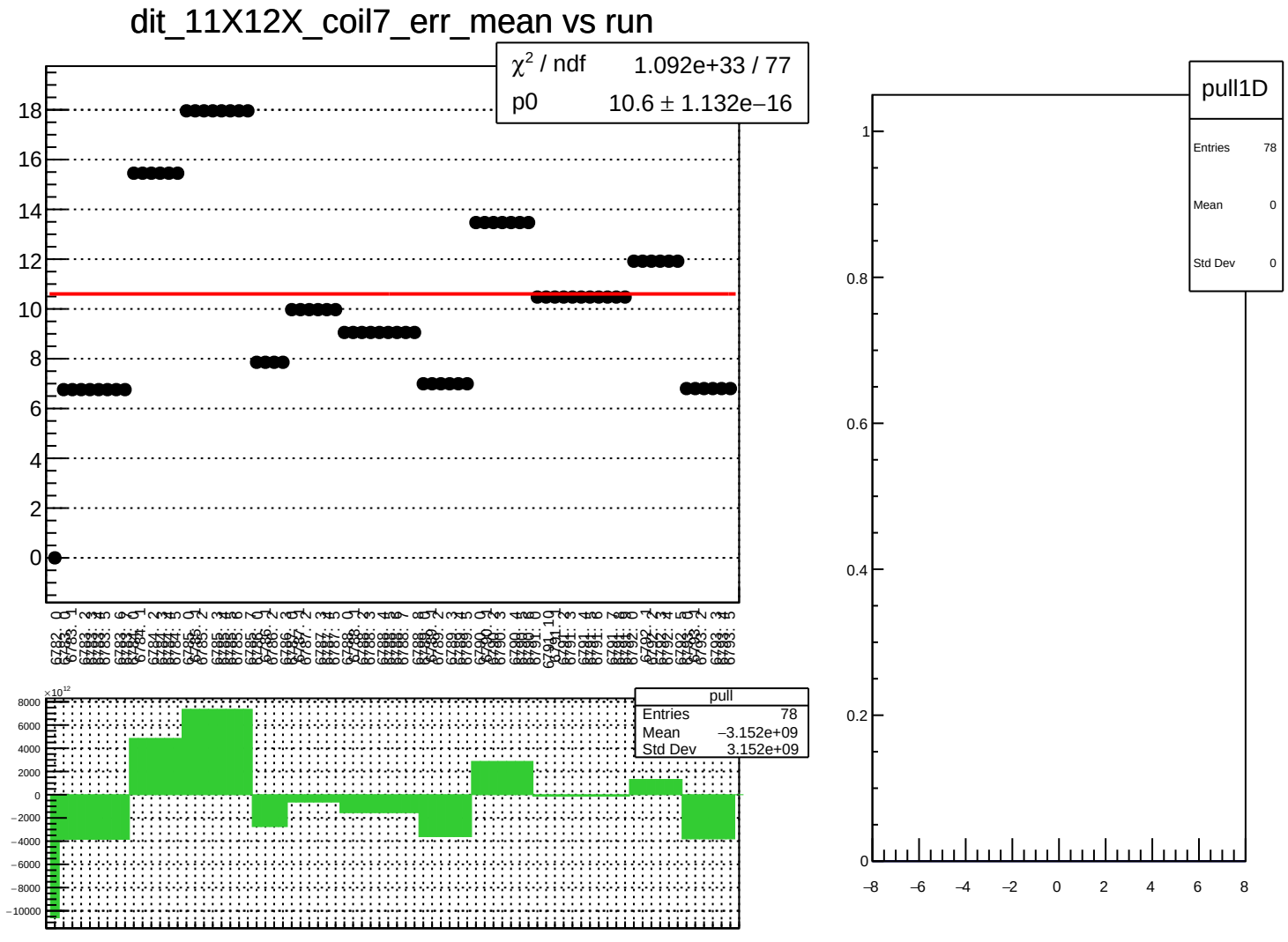

dit_4eX_coil7_err_mean vs run
χ² / ndf 7.285e+31 / 77
p0 4.76 ± 1.132e−16
pull
Entries 78
Mean 8.631e+08
Std Dev 8.631e+08

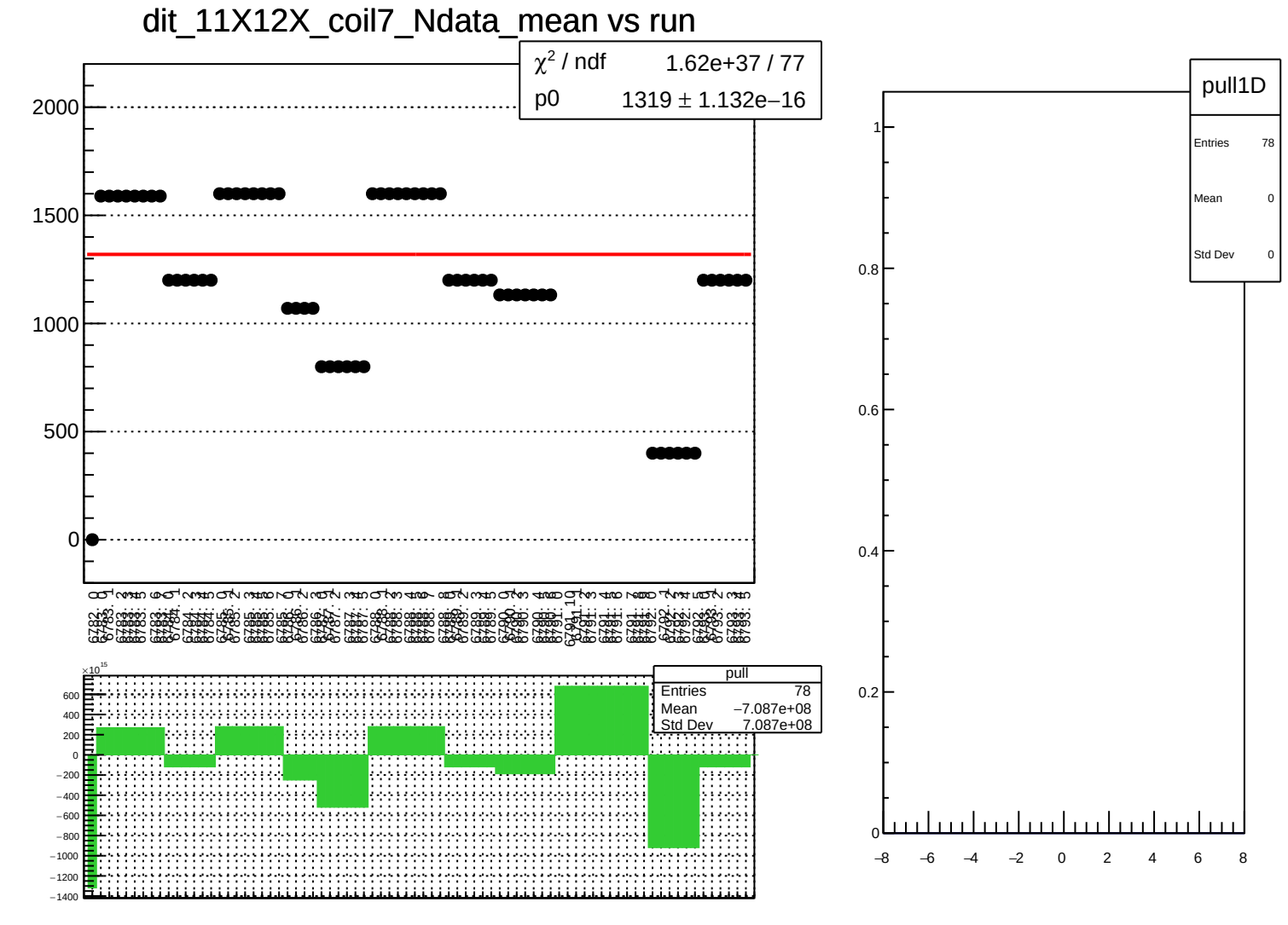

pull1D
Entries 78
Mean 0
Std Dev 0

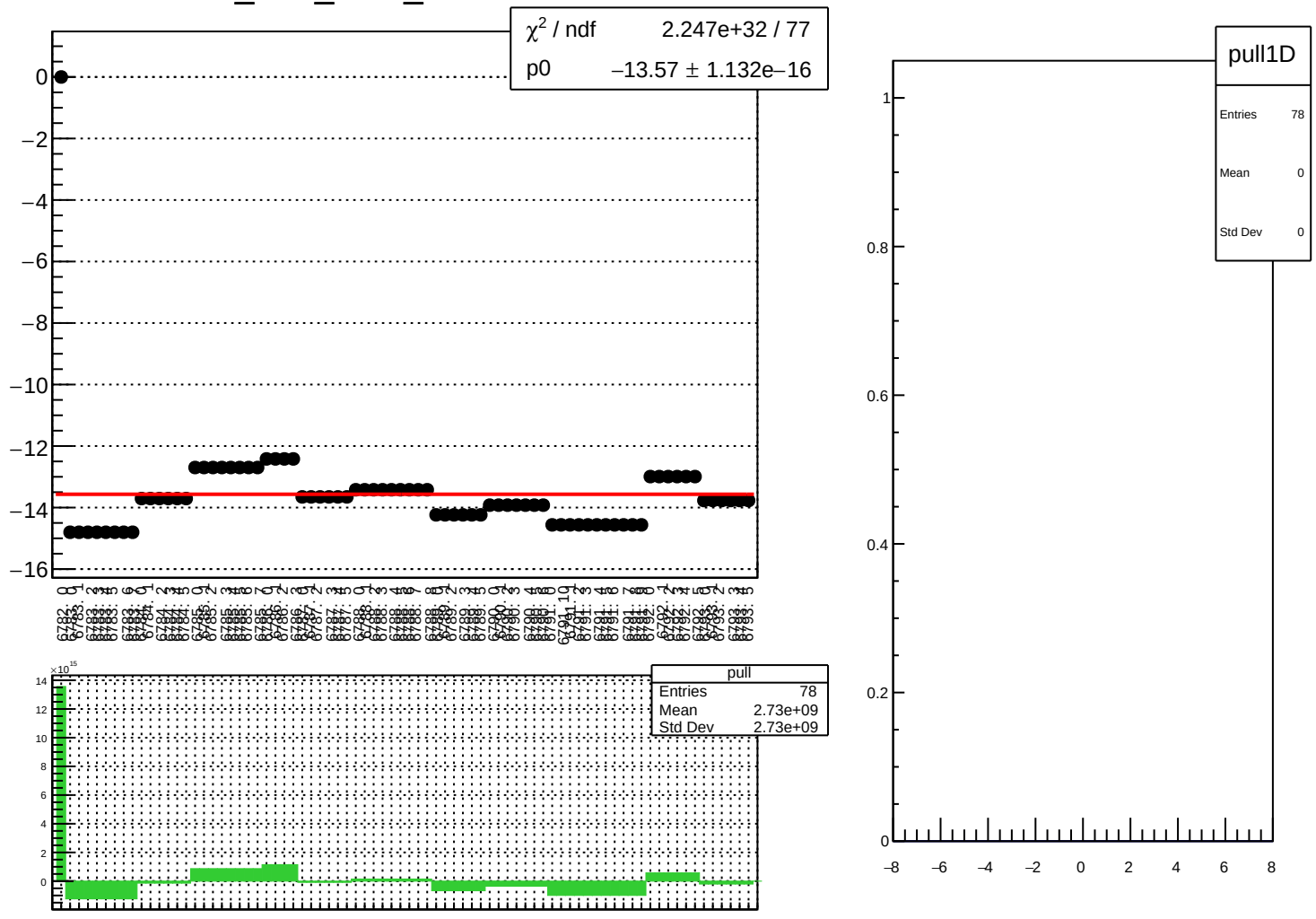

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

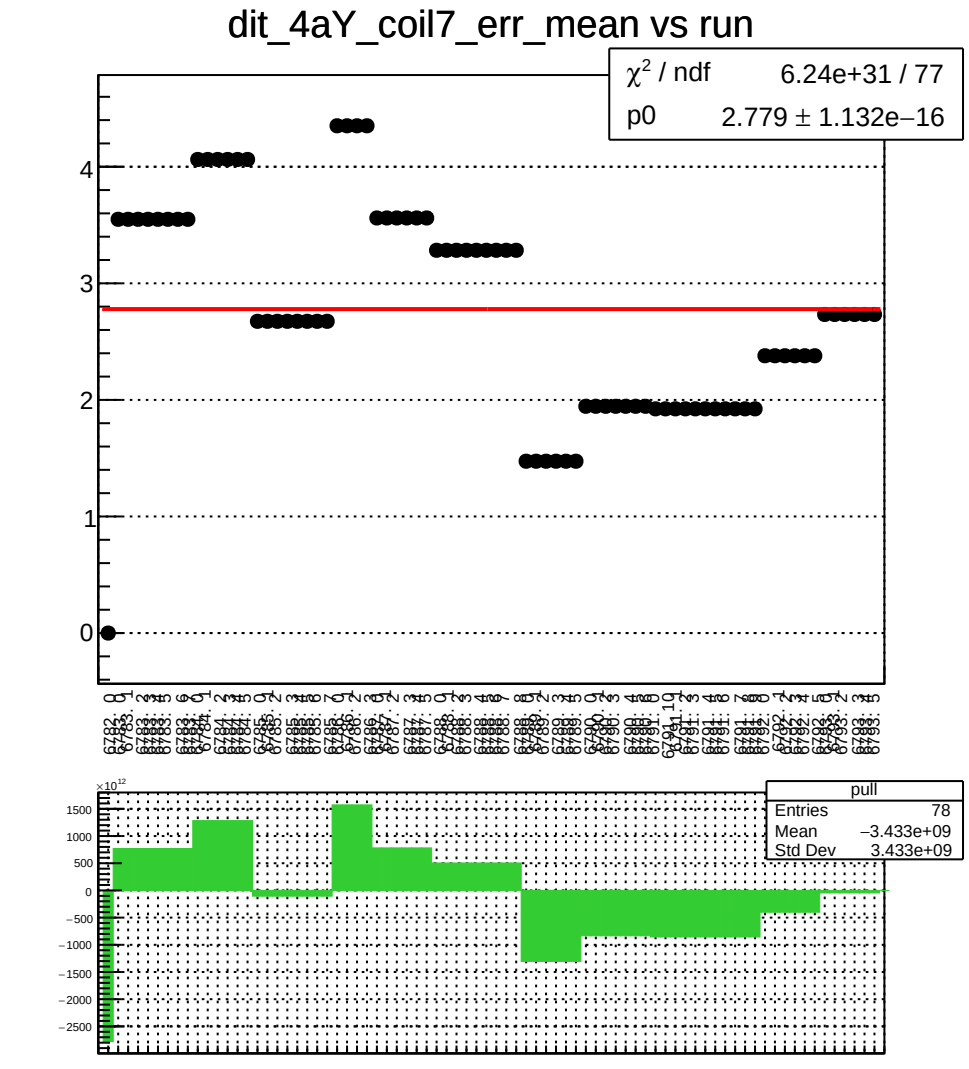

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

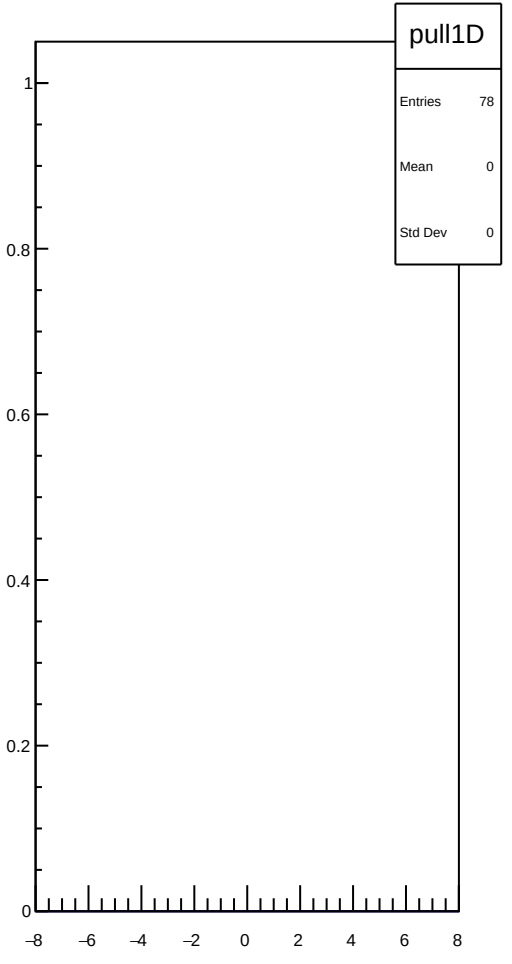

dit_11X12X_coil7_mean vs run
χ² / ndf 2.096e+35 / 77
p0 −454.4 ± 1.132e−16
pull
Entries 78
Mean −1.42e+09
Std Dev 1.42e+09
pull1D
Entries 78
Mean 0
Std Dev 0

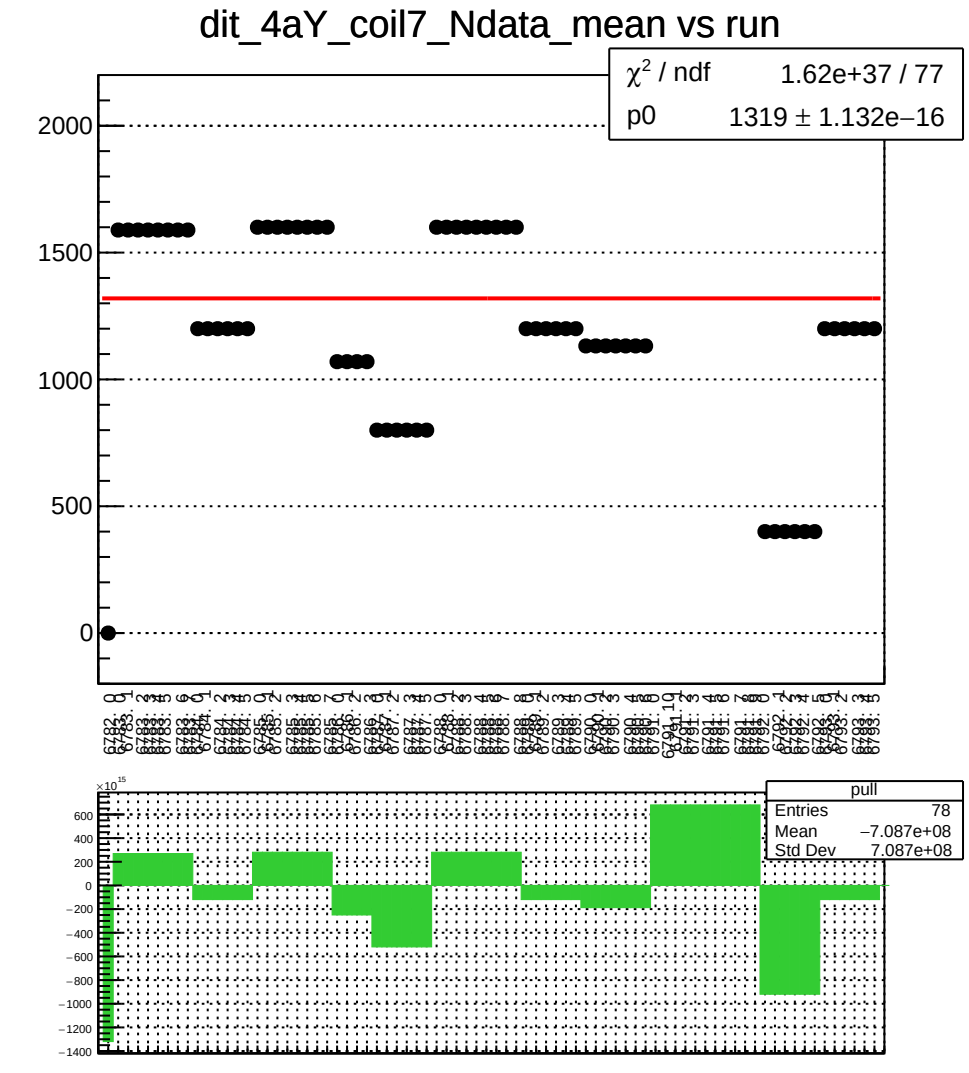

dit_11X12X_coil7_err_mean vs run
χ² / ndf 1.092e+33 / 77
p0 10.6 ± 1.132e−16
pull
Entries 78
Mean −3.152e+09
Std Dev 3.152e+09
pull1D
Entries 78
Mean 0
Std Dev 0

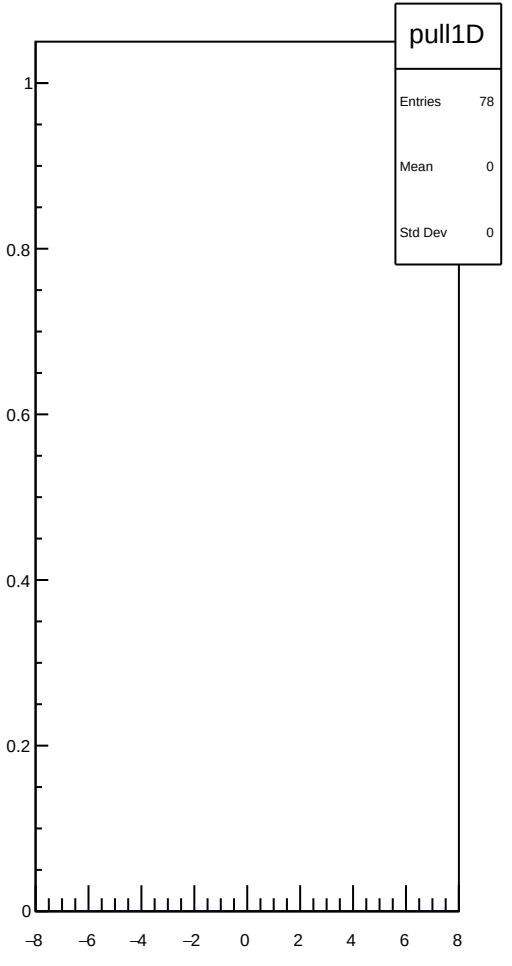

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

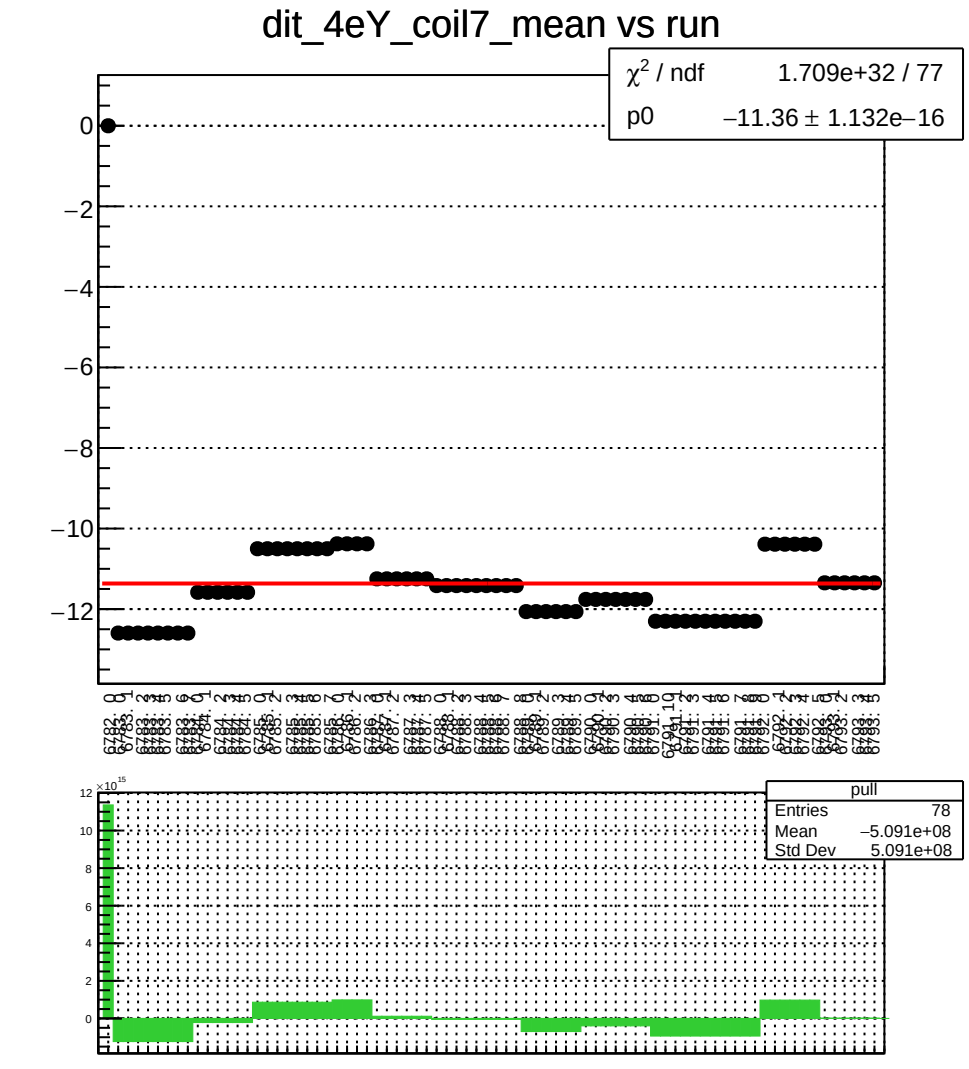

dit_4aY_coil7_mean vs run
χ² / ndf 2.247e+32 / 77
p0 −13.57 ± 1.132e−16
pull
Entries 78
Mean 2.73e+09
Std Dev 2.73e+09
pull1D
Entries 78
Mean 0
Std Dev 0

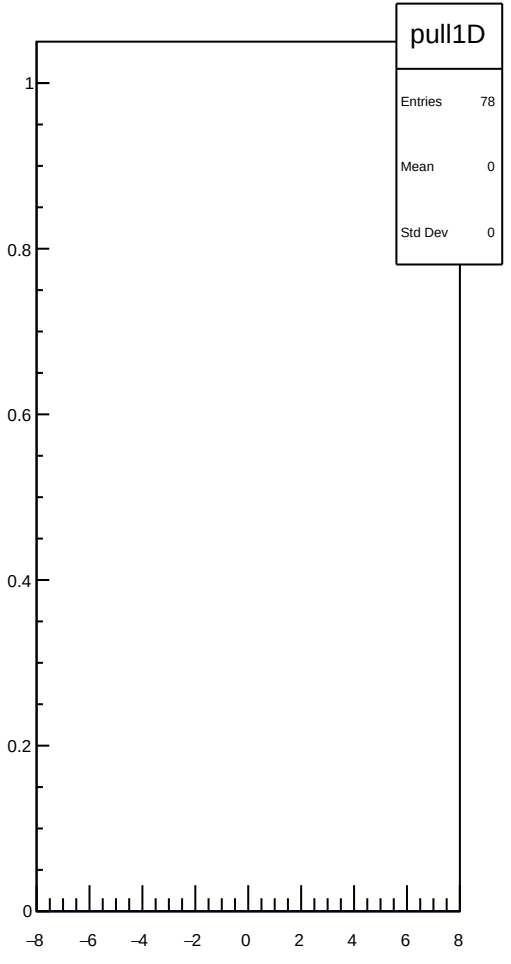

dit_4aY_coil7_err_mean vs run
χ² / ndf 6.24e+31 / 77
p0 2.779 ± 1.132e−16
pull
Entries 78
Mean −3.433e+09
Std Dev 3.433e+09
×10¹²

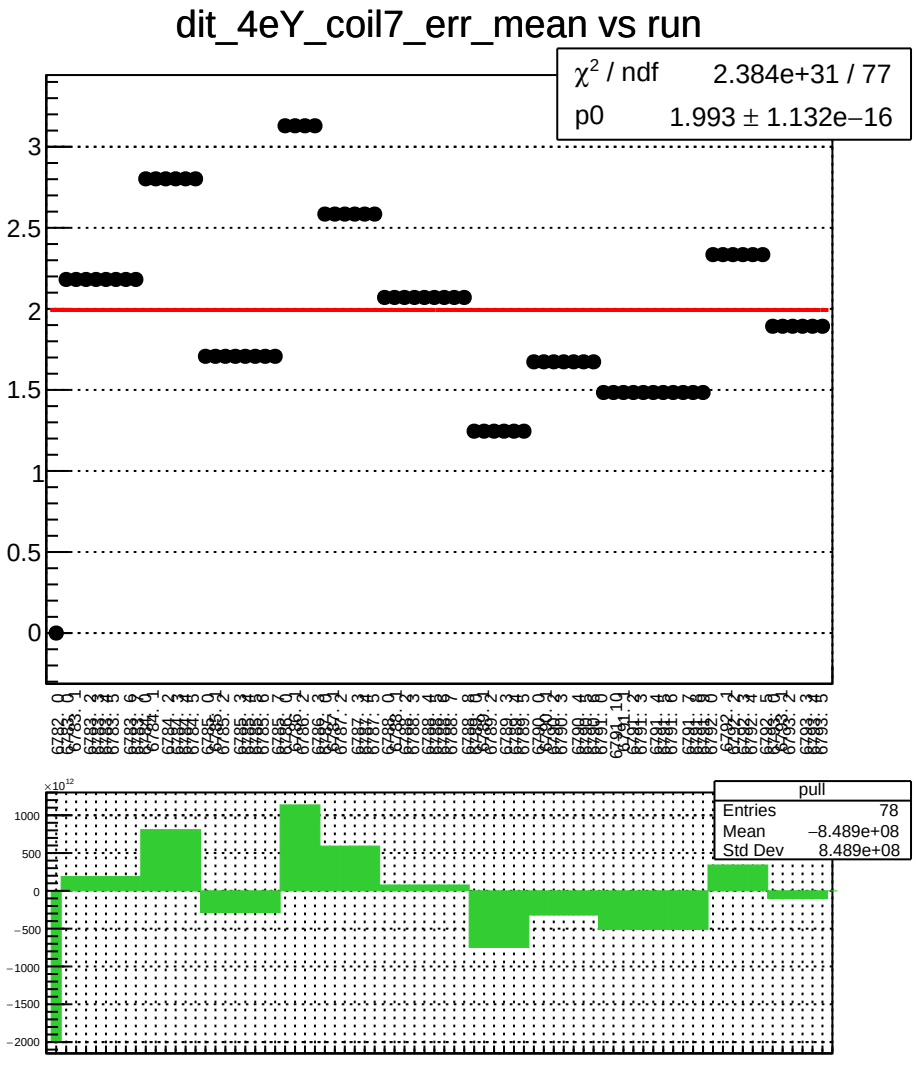

pull1D
Entries 78
Mean 0
Std Dev 0

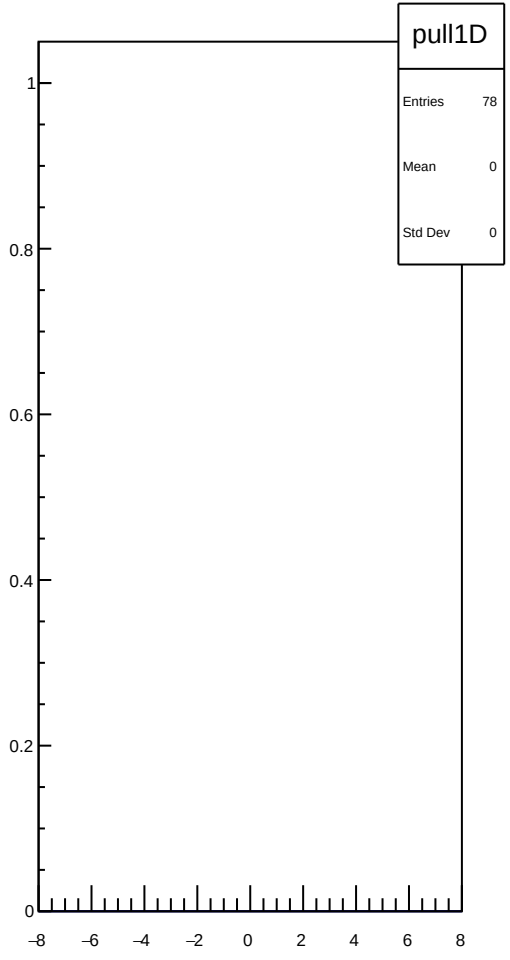

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

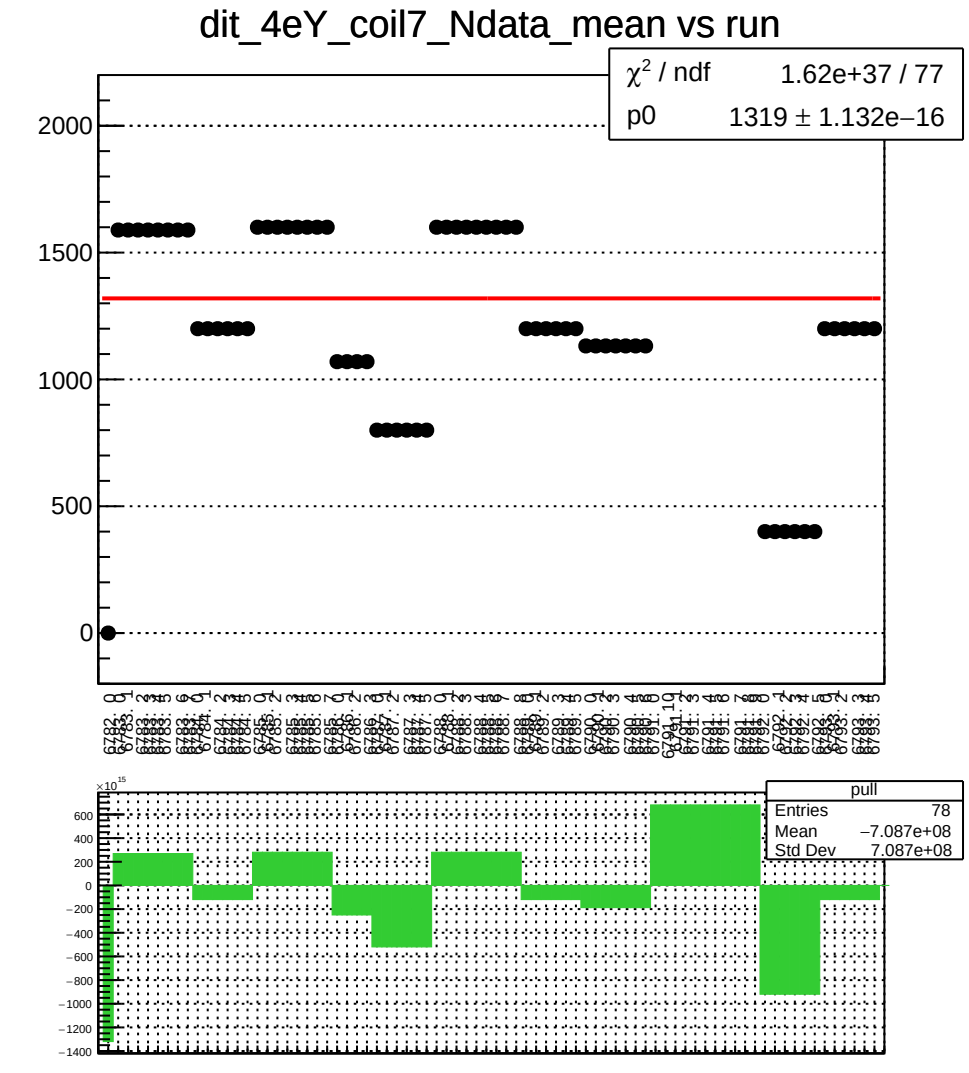

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

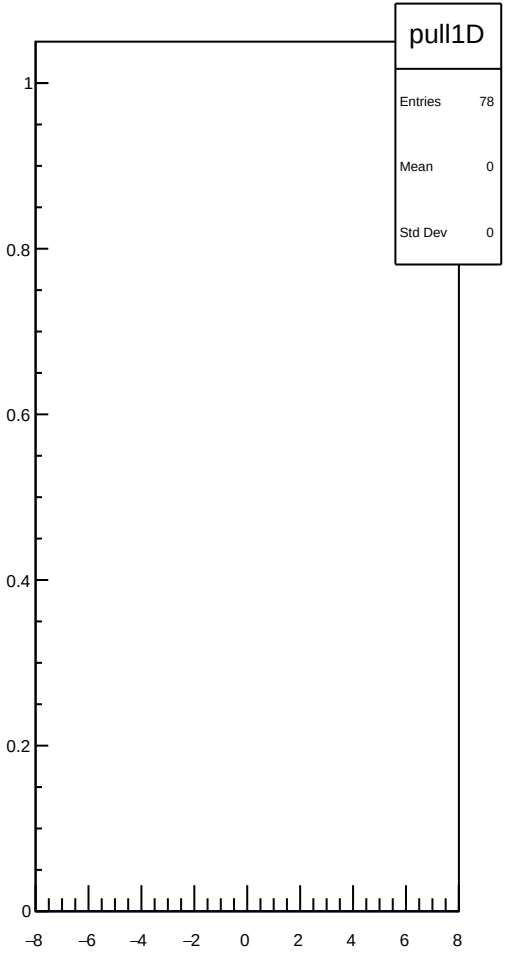

dit_4eY_coil7_mean vs run
χ² / ndf 1.709e+32 / 77
p0 −11.36 ± 1.132e−16
pull
Entries 78
Mean −5.091e+08
Std Dev 5.091e+08

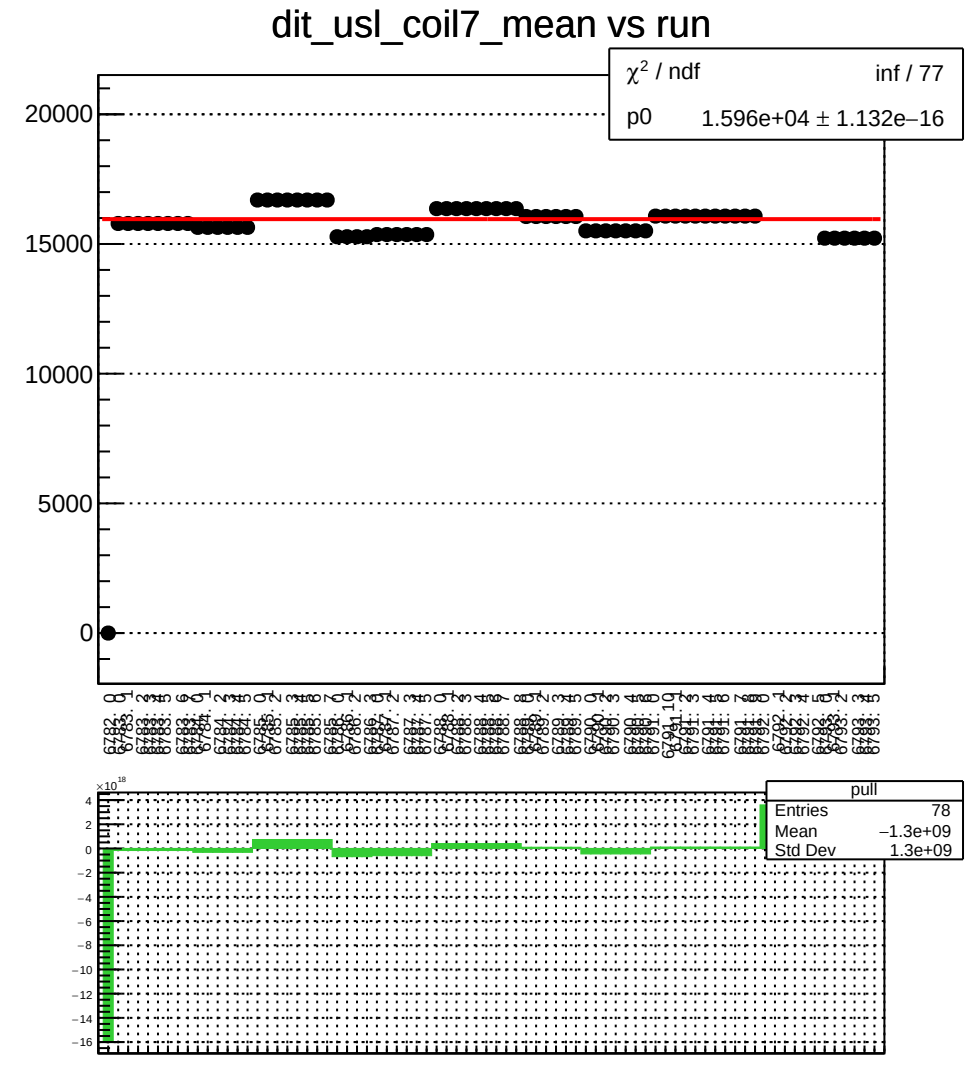

pull1D
Entries 78
Mean 0
Std Dev 0

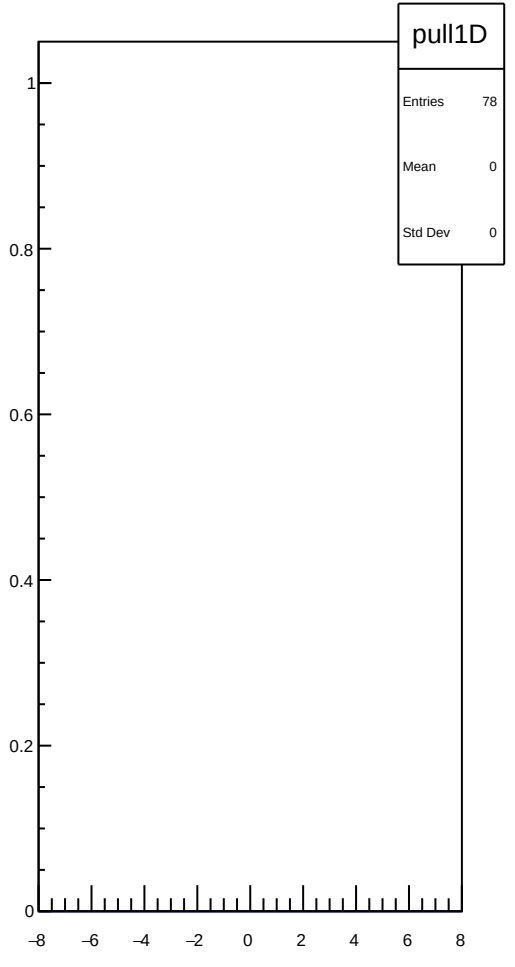

dit_4eY_coil7_err_mean vs run
χ² / ndf 2.384e+31 / 77
p0 1.993 ± 1.132e−16
pull
Entries 78
Mean −8.489e+08
Std Dev 8.489e+08

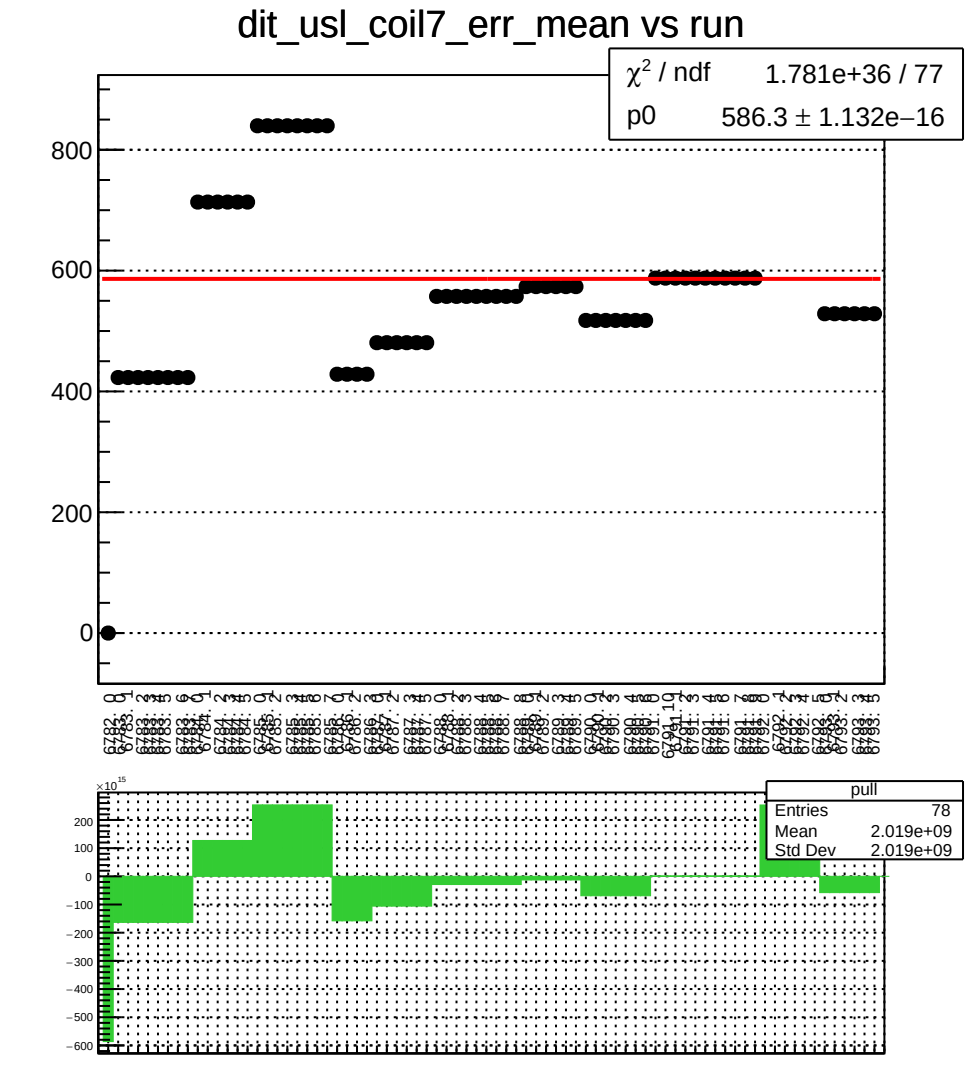

pull1D
Entries 78
Mean 0
Std Dev 0

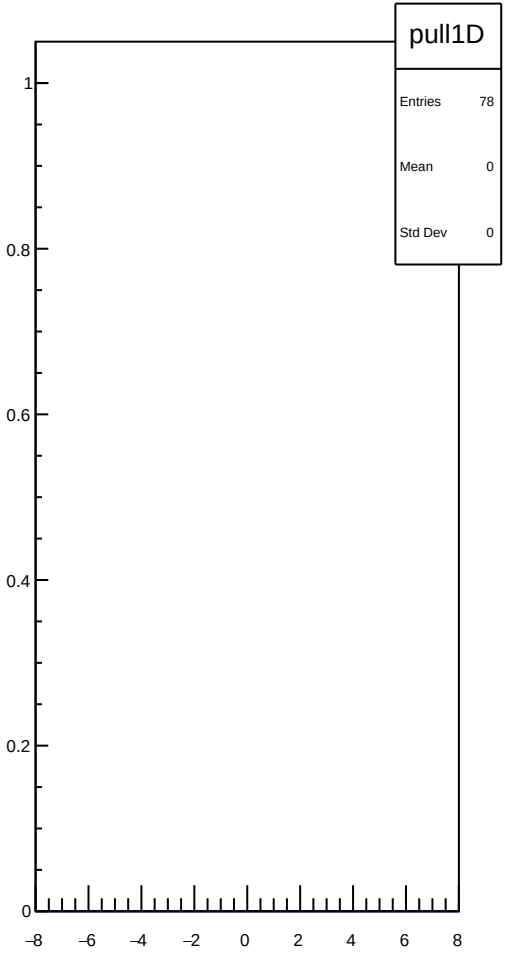

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

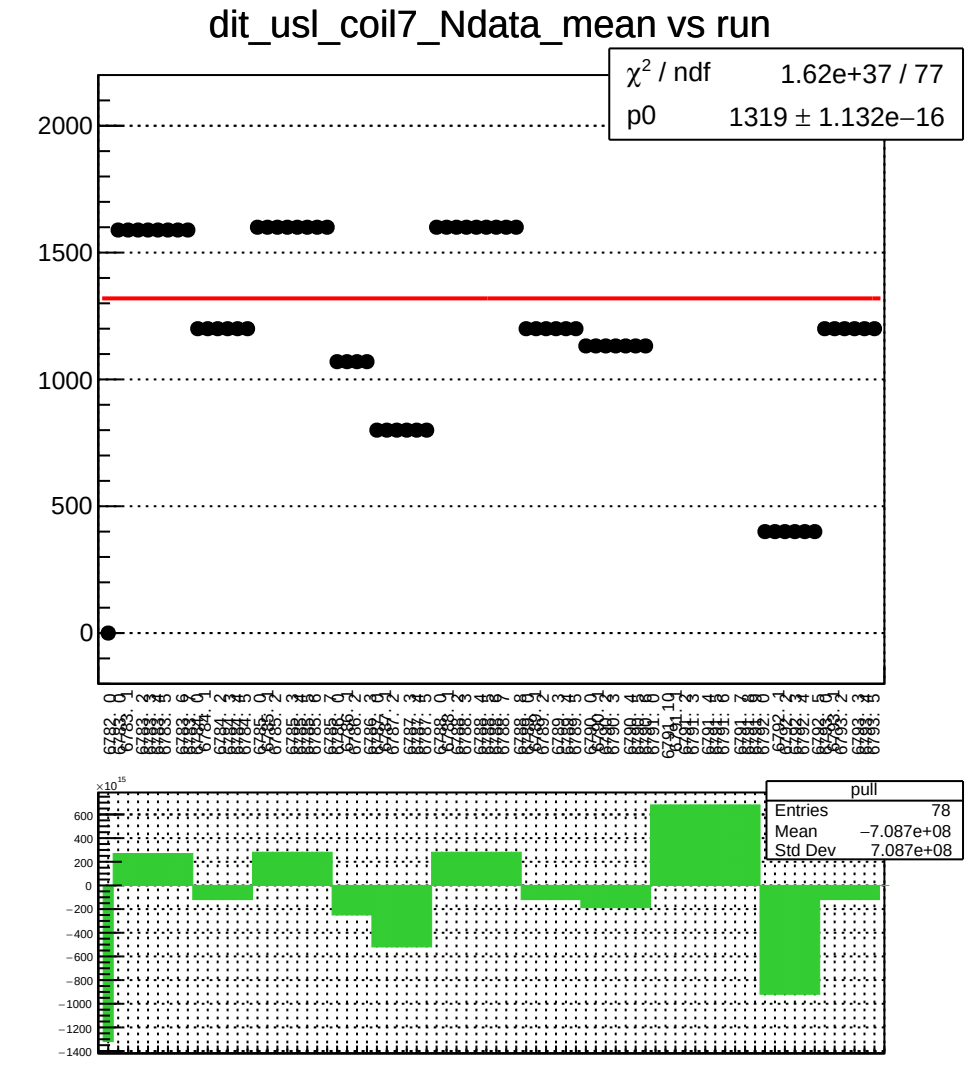

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

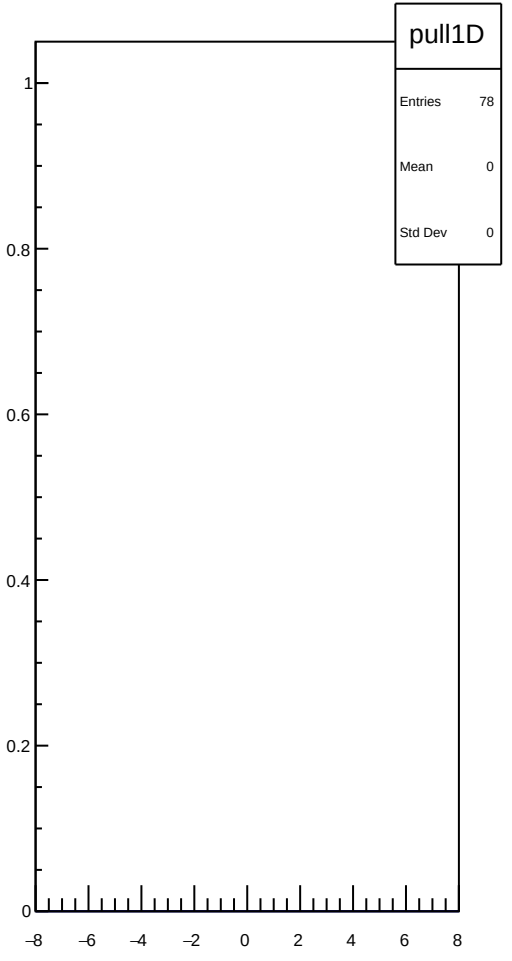

dit_usl_coil7_mean vs run
χ² / ndf inf / 77
p0 1.596e+04 ± 1.132e−16
20000
15000
10000
5000
0
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 78
Mean −1.3e+09
Std Dev 1.3e+09

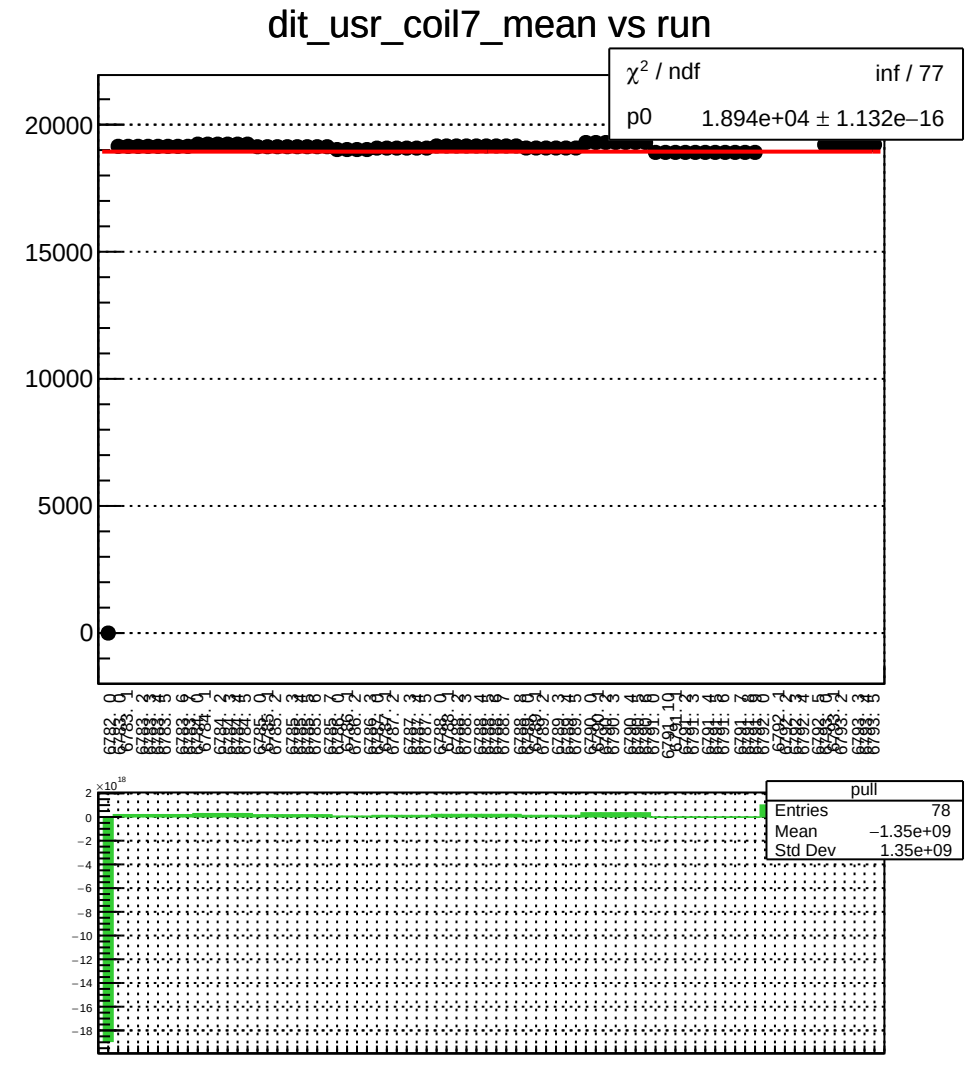

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

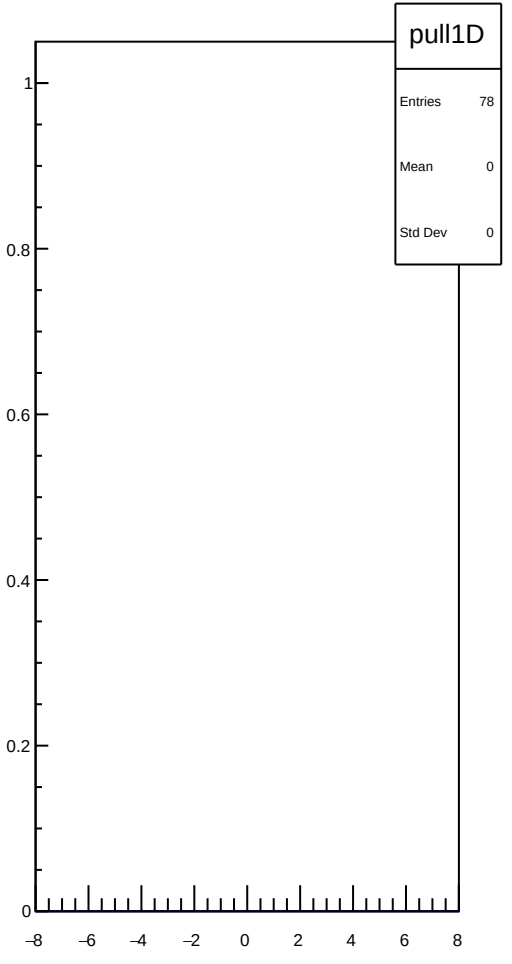

dit_usl_coil7_err_mean vs run
χ² / ndf 1.781e+36 / 77
p0 586.3 ± 1.132e−16
800
600
400
200
0
pull
Entries 78
Mean 2.019e+09
Std Dev 2.019e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600

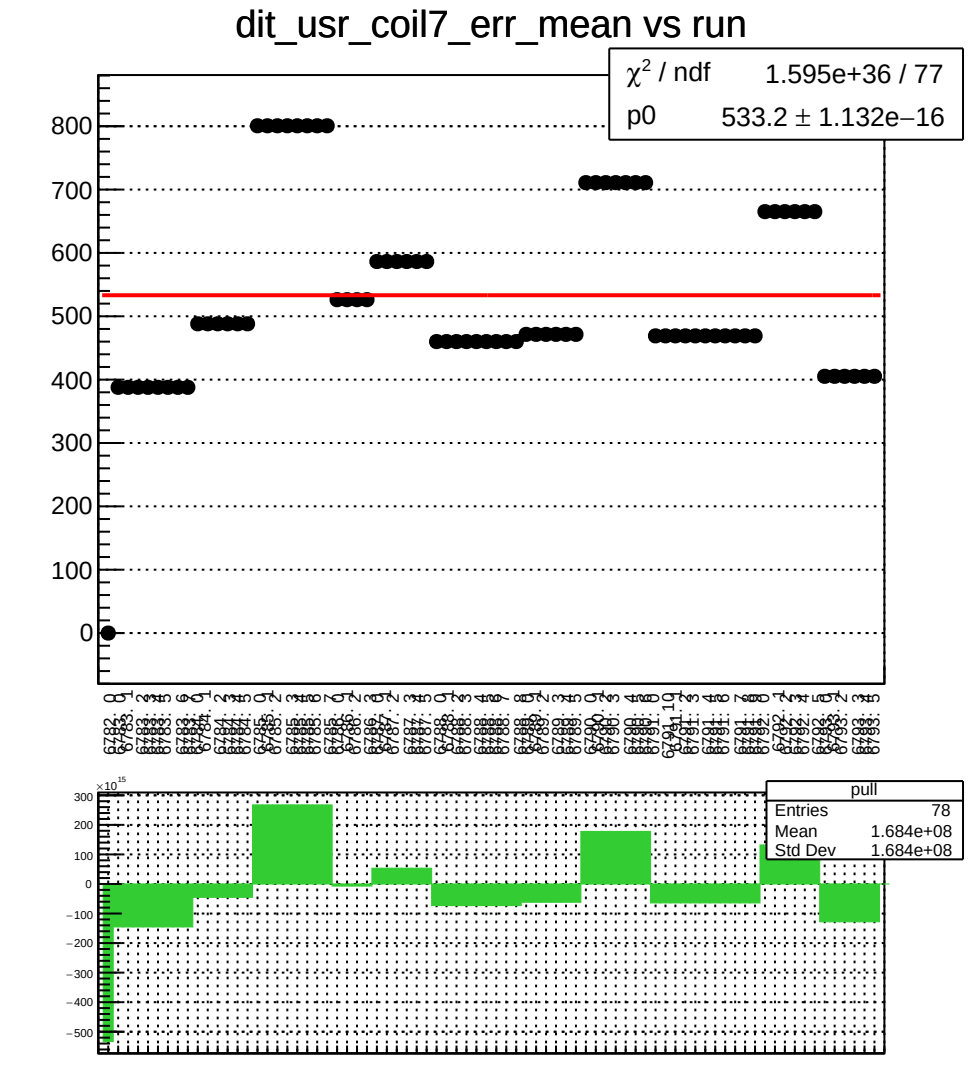

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

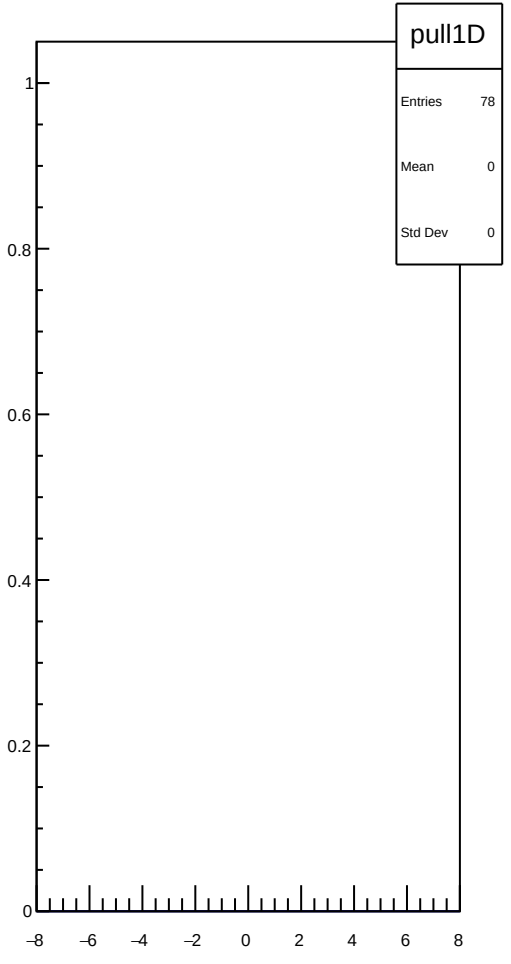

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

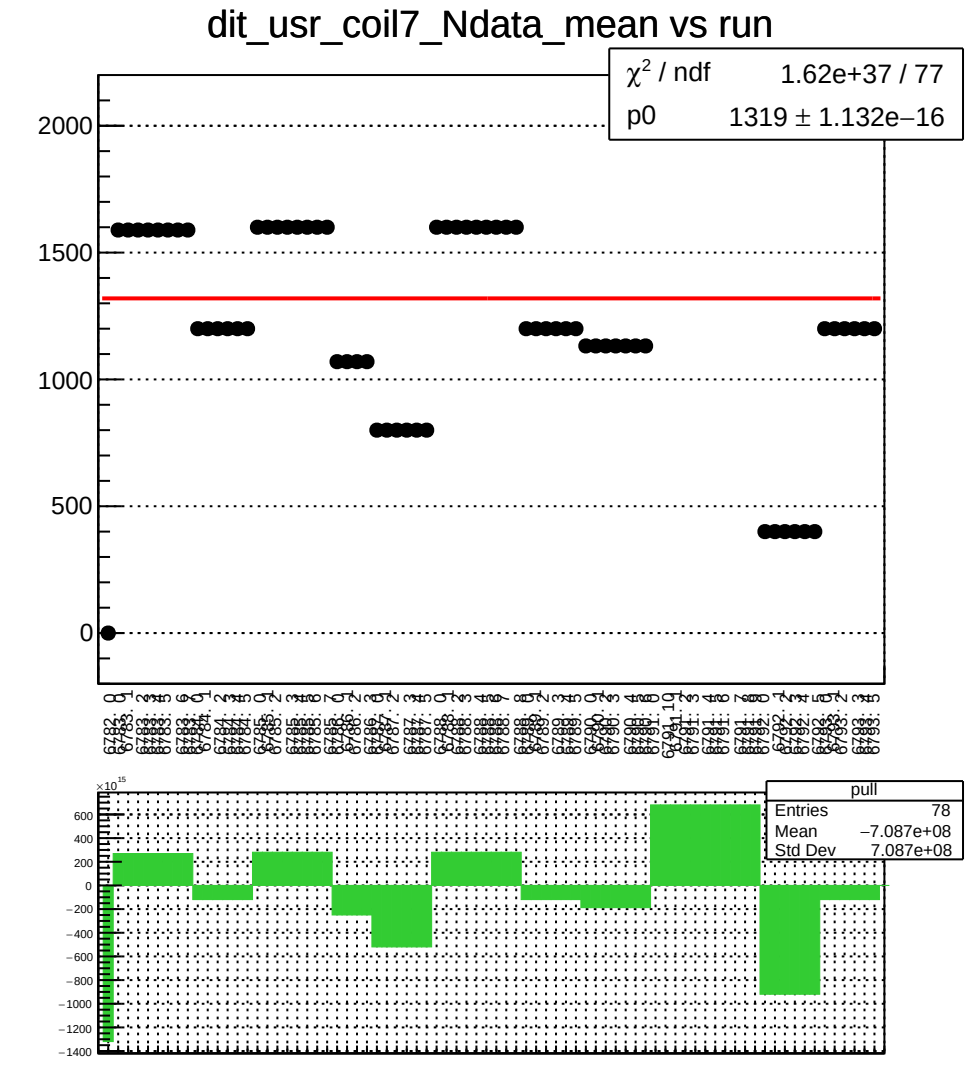

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

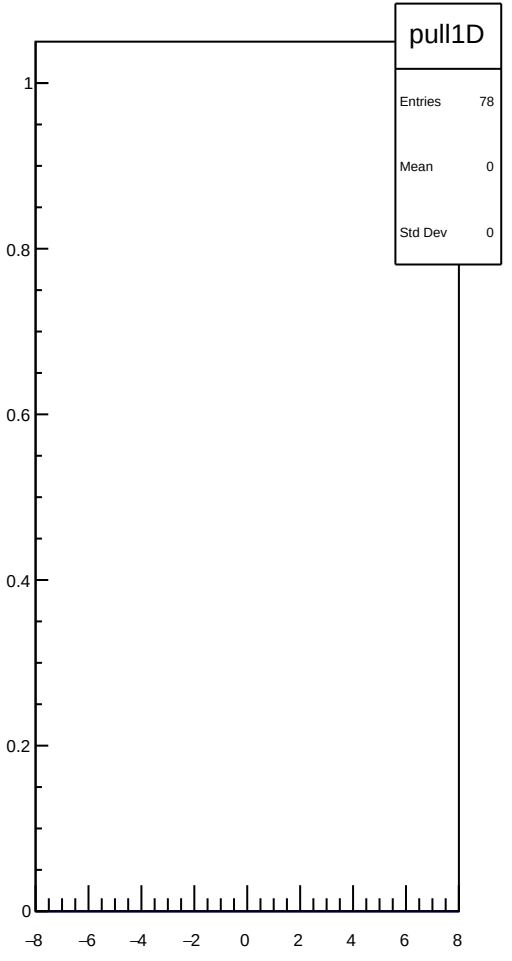

dit_usr_coil7_mean vs run
χ² / ndf inf / 77
p0 1.894e+04 ± 1.132e−16
20000
15000
10000
5000
0
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull
Entries 78
Mean −1.35e+09
Std Dev 1.35e+09

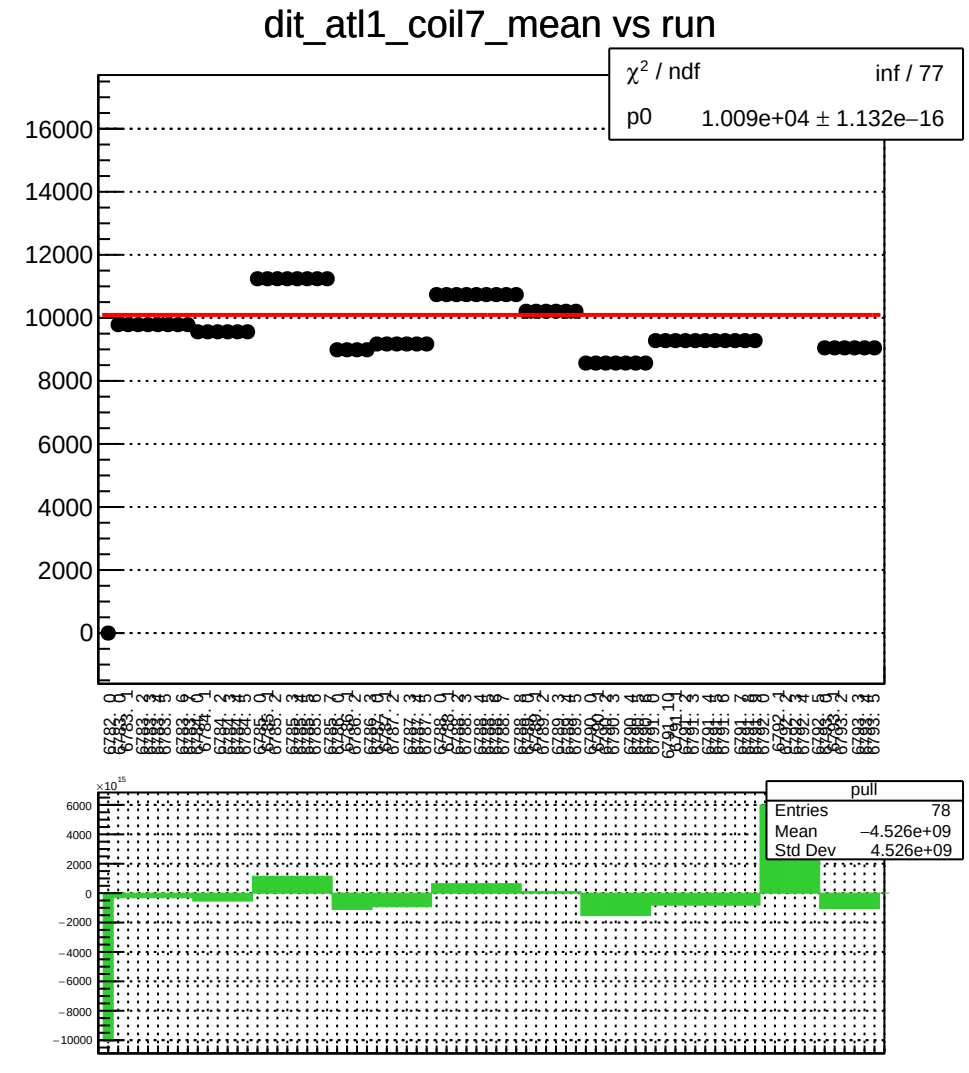

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

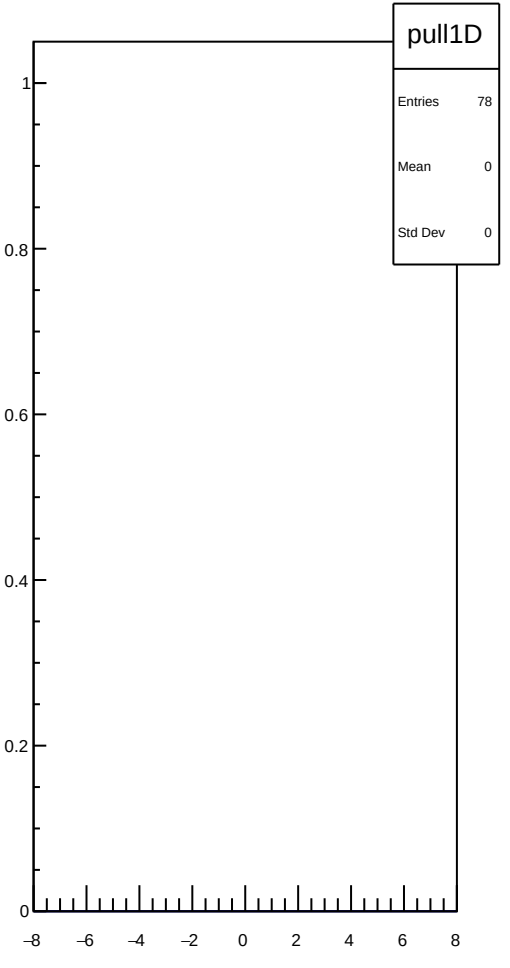

dit_usr_coil7_err_mean vs run
χ² / ndf 1.595e+36 / 77
p0 533.2 ± 1.132e−16
pull
Entries 78
Mean 1.684e+08
Std Dev 1.684e+08

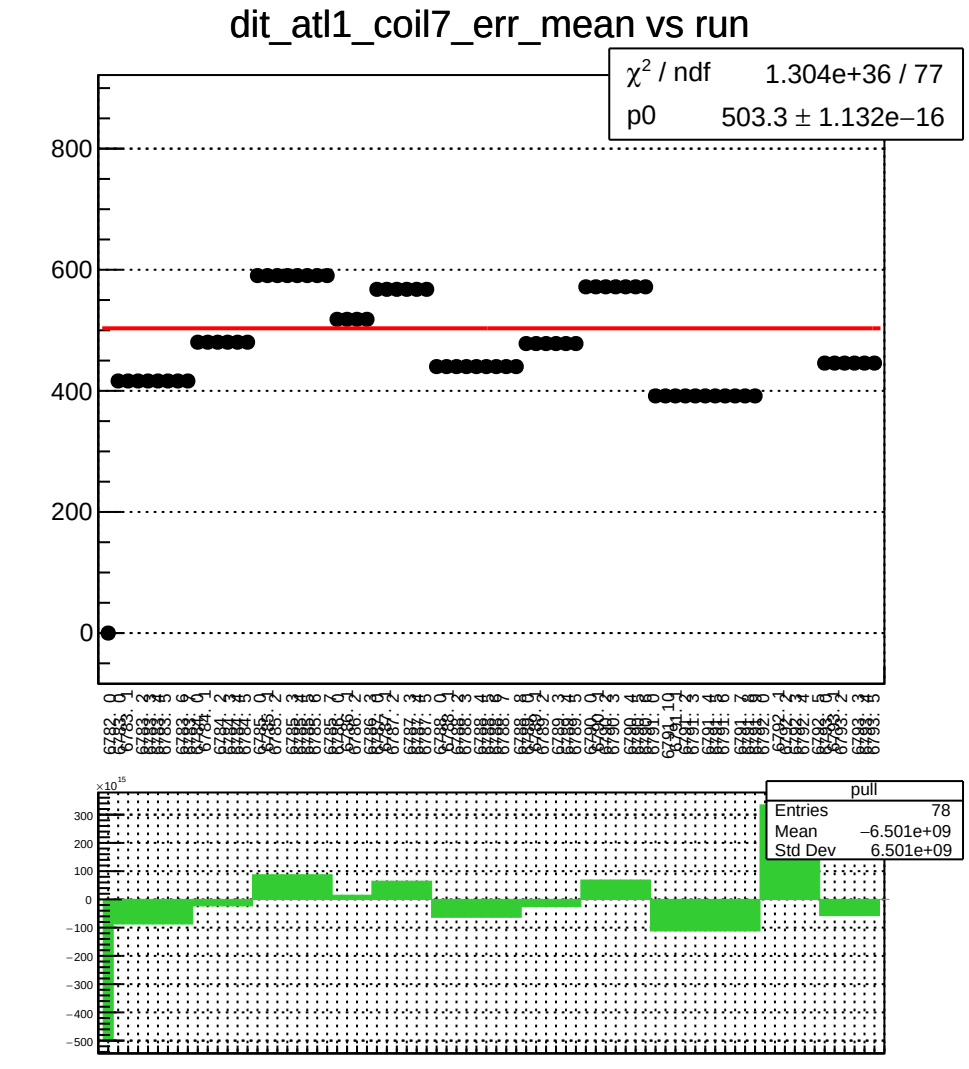

pull1D
Entries 78
Mean 0
Std Dev 0

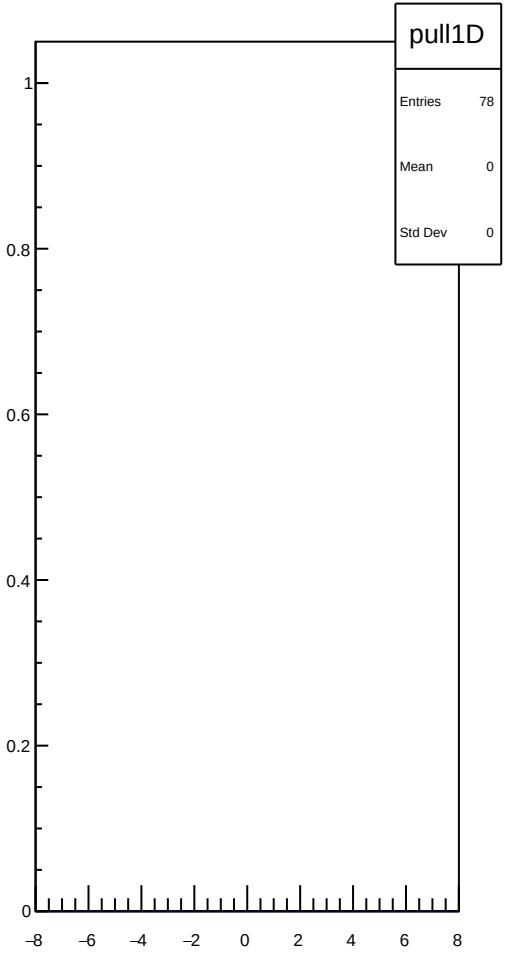

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

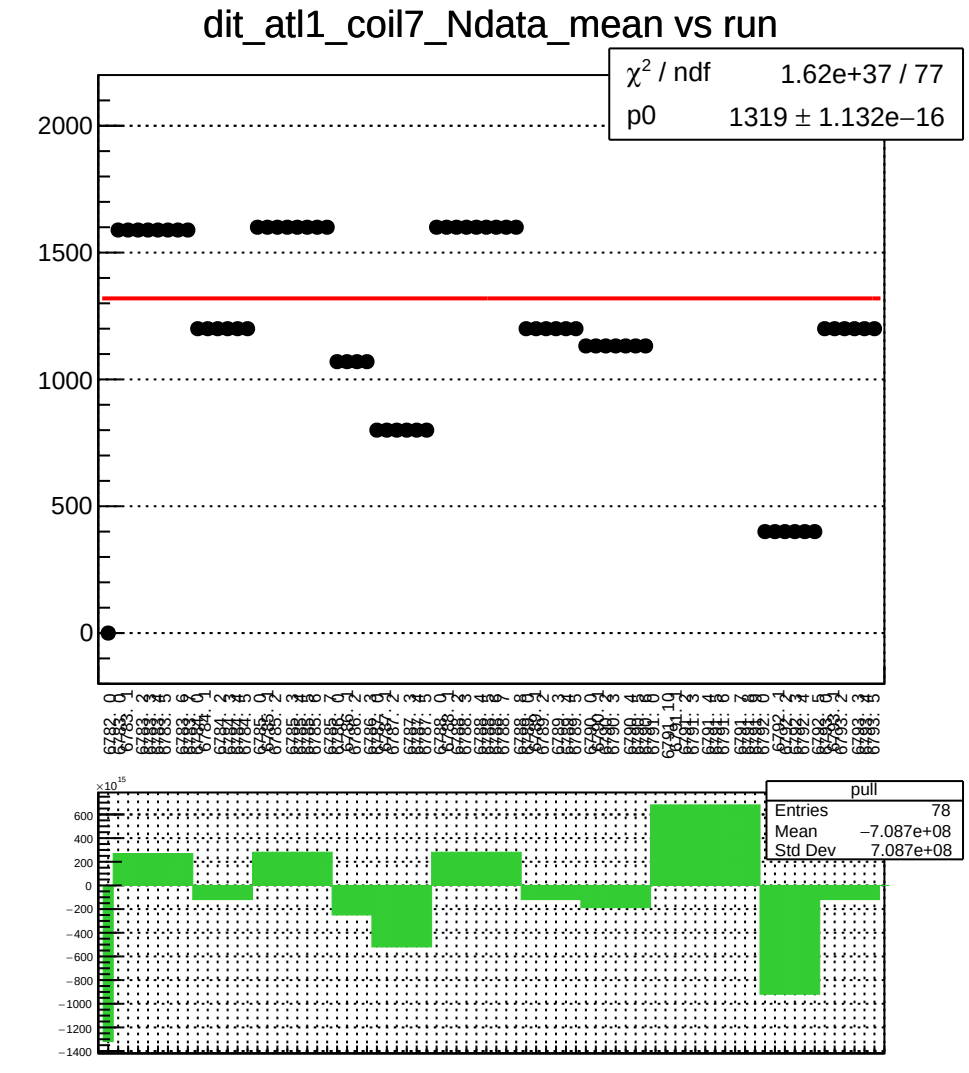

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

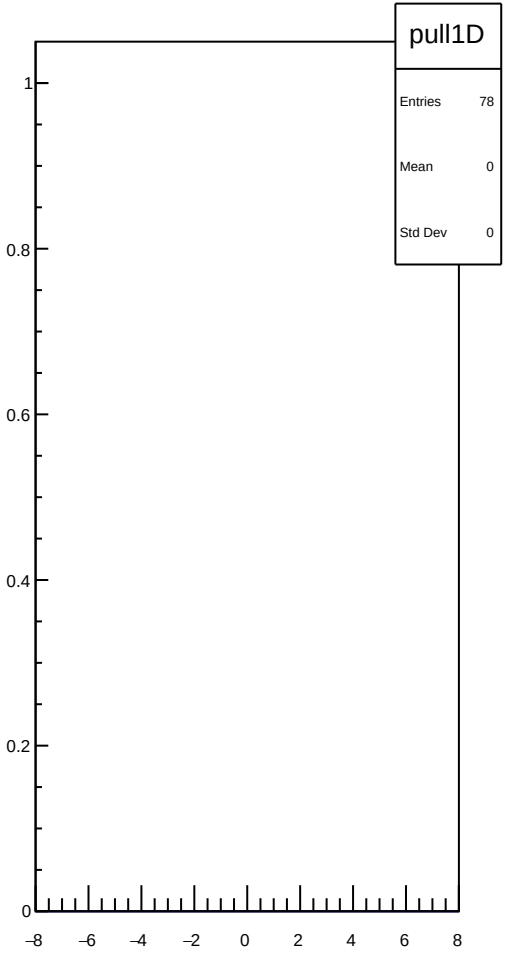

dit_atl1_coil7_mean vs run
χ² / ndf inf / 77
p0 1.009e+04 ± 1.132e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 78
Mean −4.526e+09
Std Dev 4.526e+09
×10¹⁵
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000

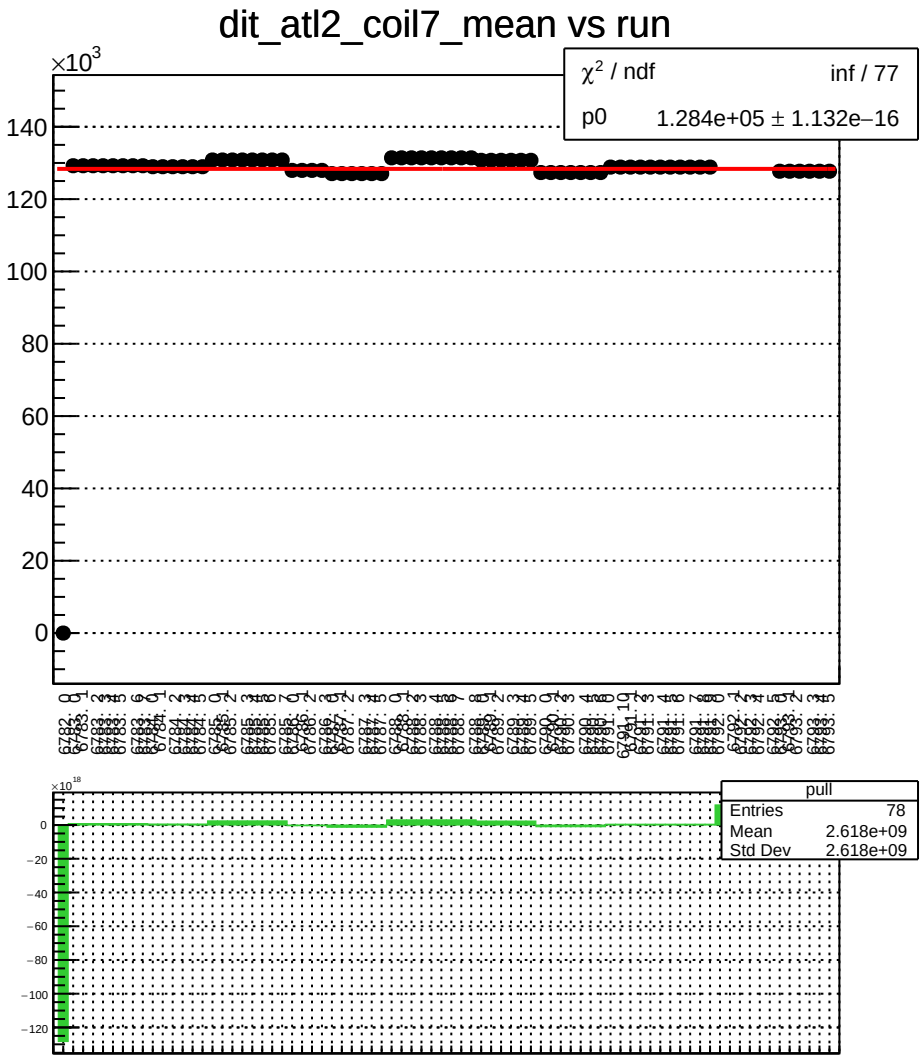

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

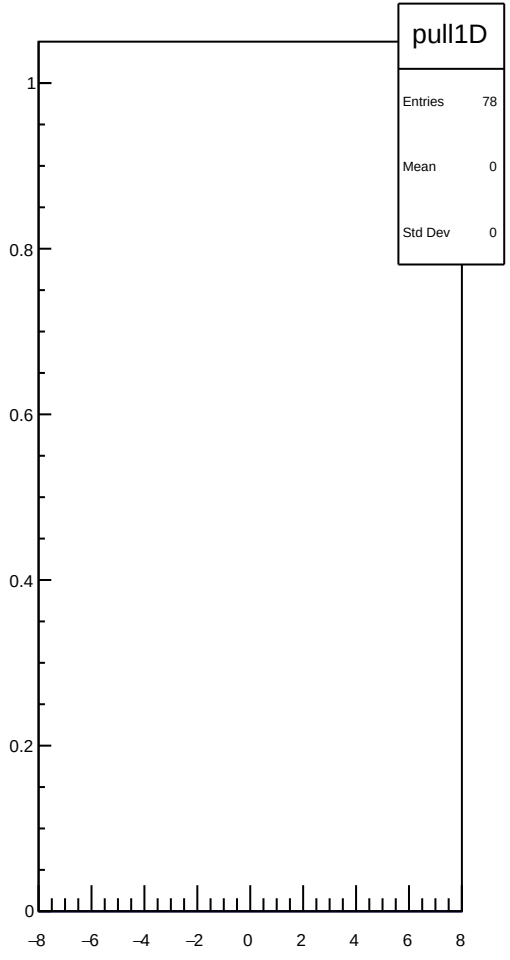

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.304e+36 / 77
p0 503.3 ± 1.132e−16
800
600
400
200
0
pull
Entries 78
Mean −6.501e+09
Std Dev 6.501e+09
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500

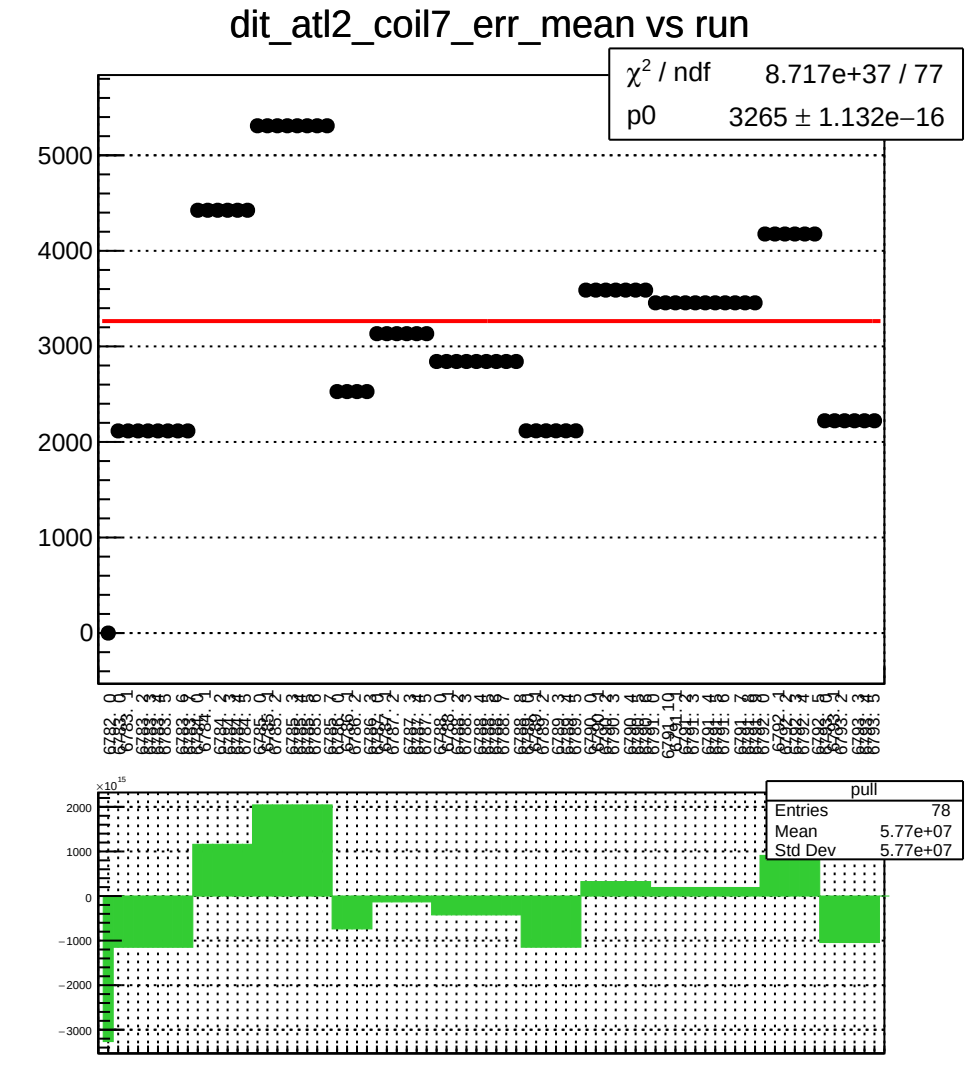

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

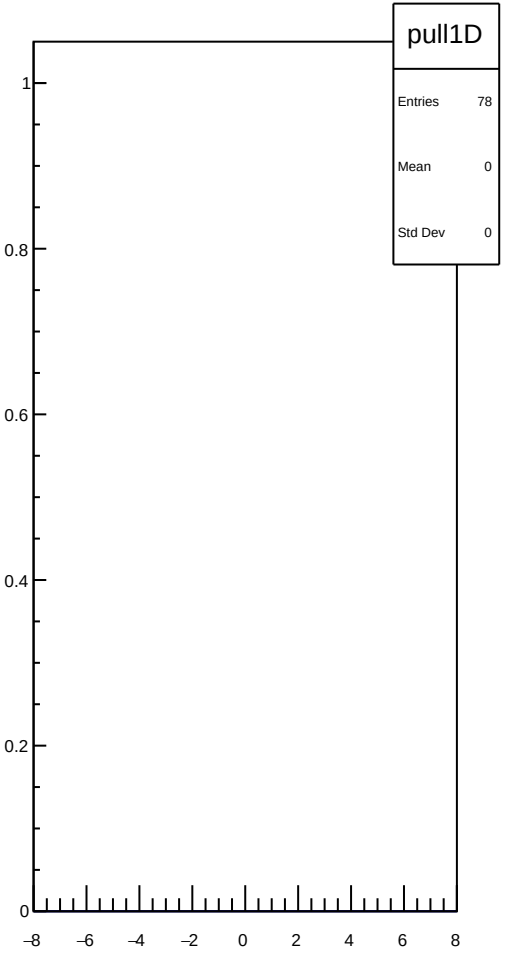

dit_atl1_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

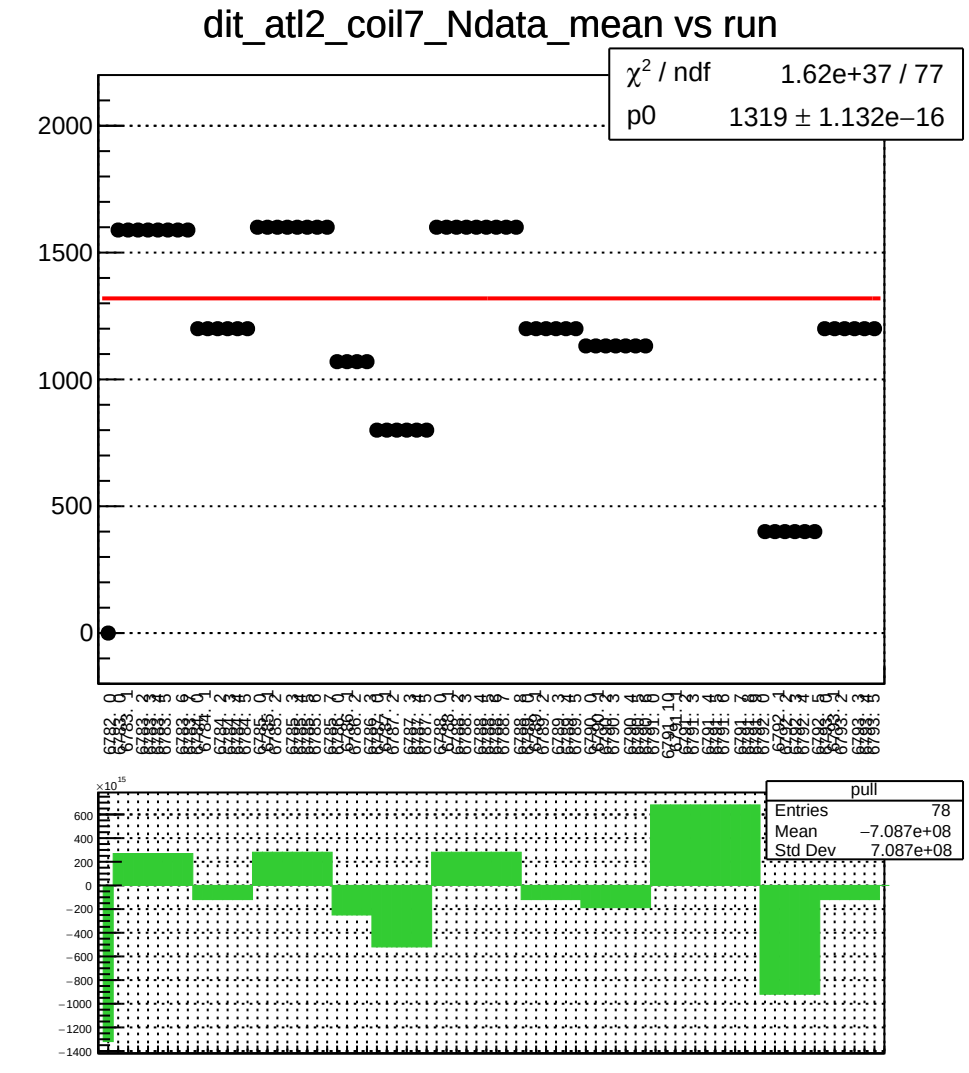

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

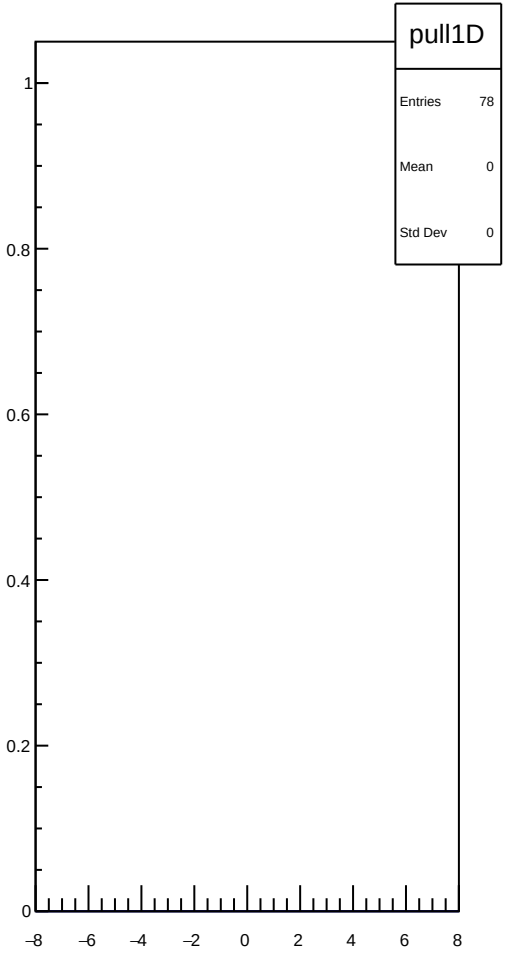

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.284e+05 ± 1.132e−16
140
120
100
80
60
40
20
0
pull
Entries 78
Mean 2.618e+09
Std Dev 2.618e+09
×10^18
0
−20
−40
−60
−80
−100
−120

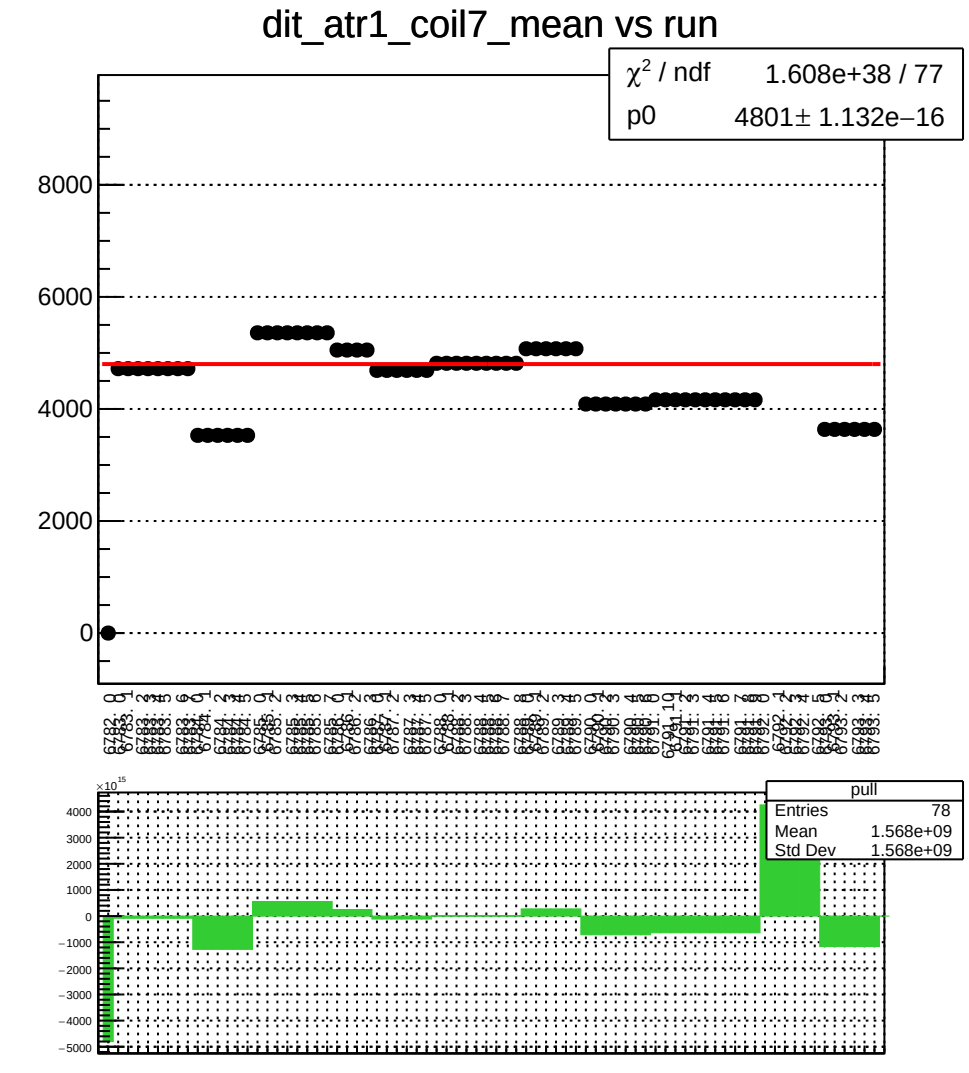

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

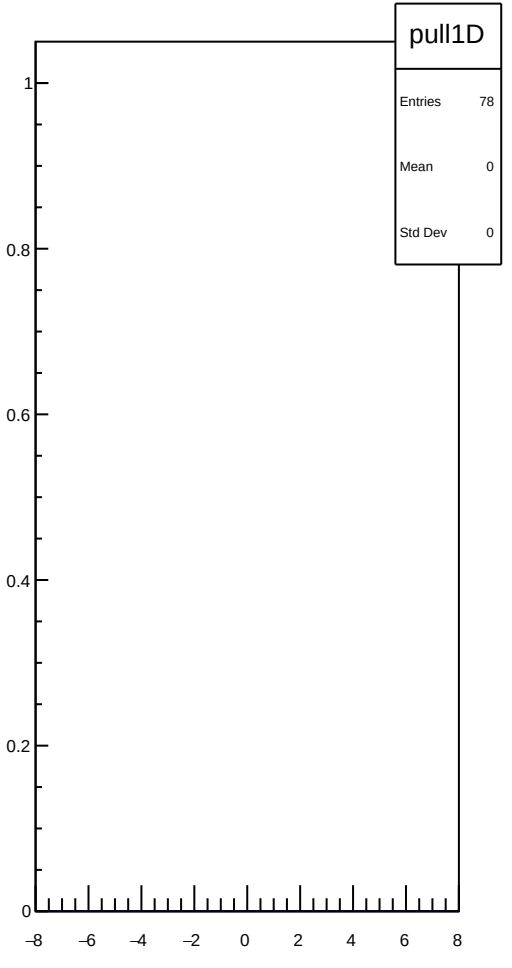

dit_atl2_coil7_err_mean vs run
χ² / ndf 8.717e+37 / 77
p0 3265 ± 1.132e−16
pull
Entries 78
Mean 5.77e+07
Std Dev 5.77e+07

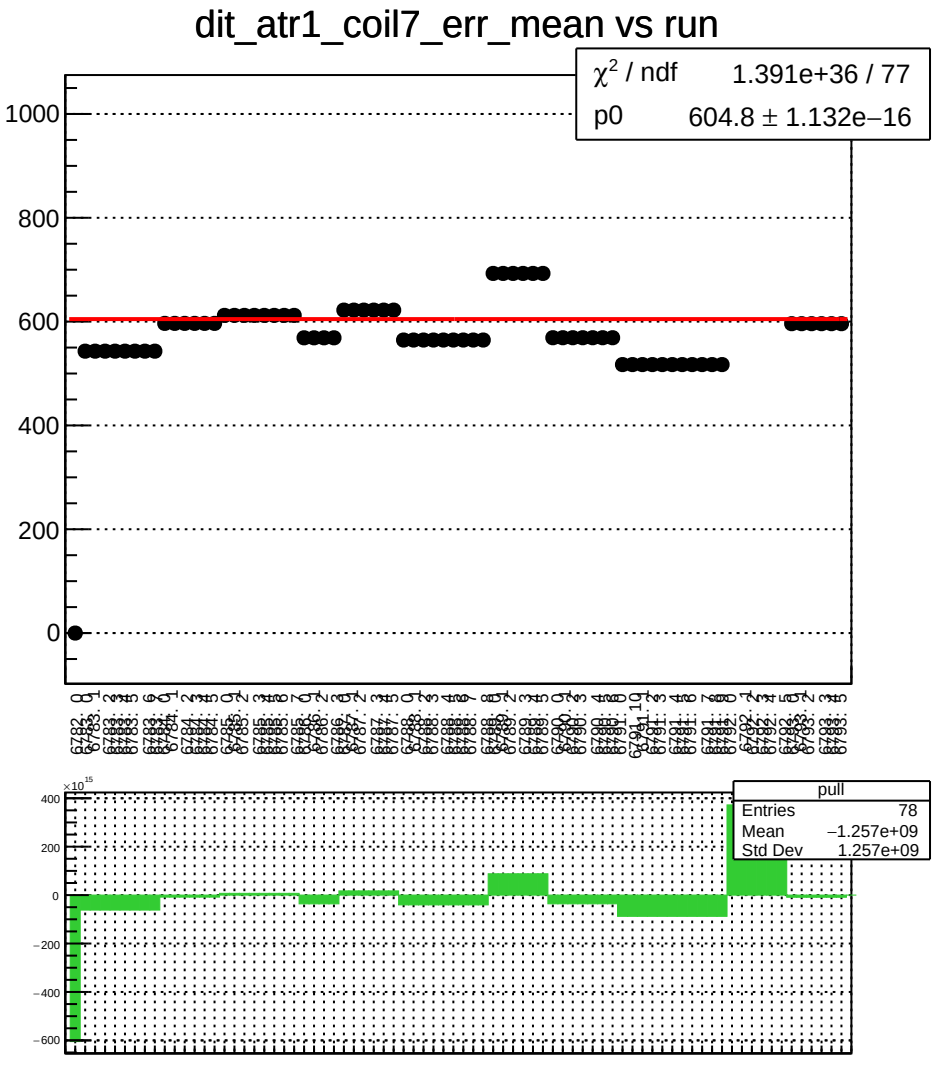

pull1D
Entries 78
Mean 0
Std Dev 0

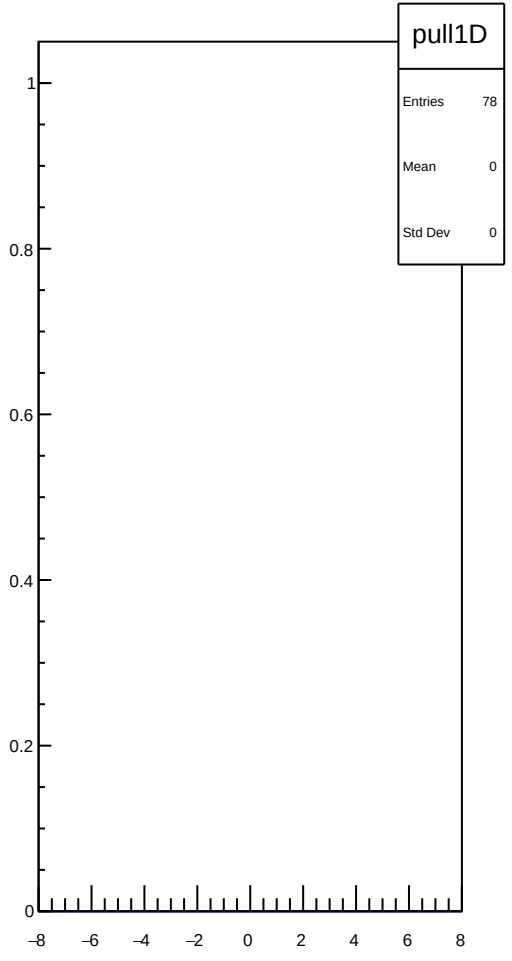

dit_atl2_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

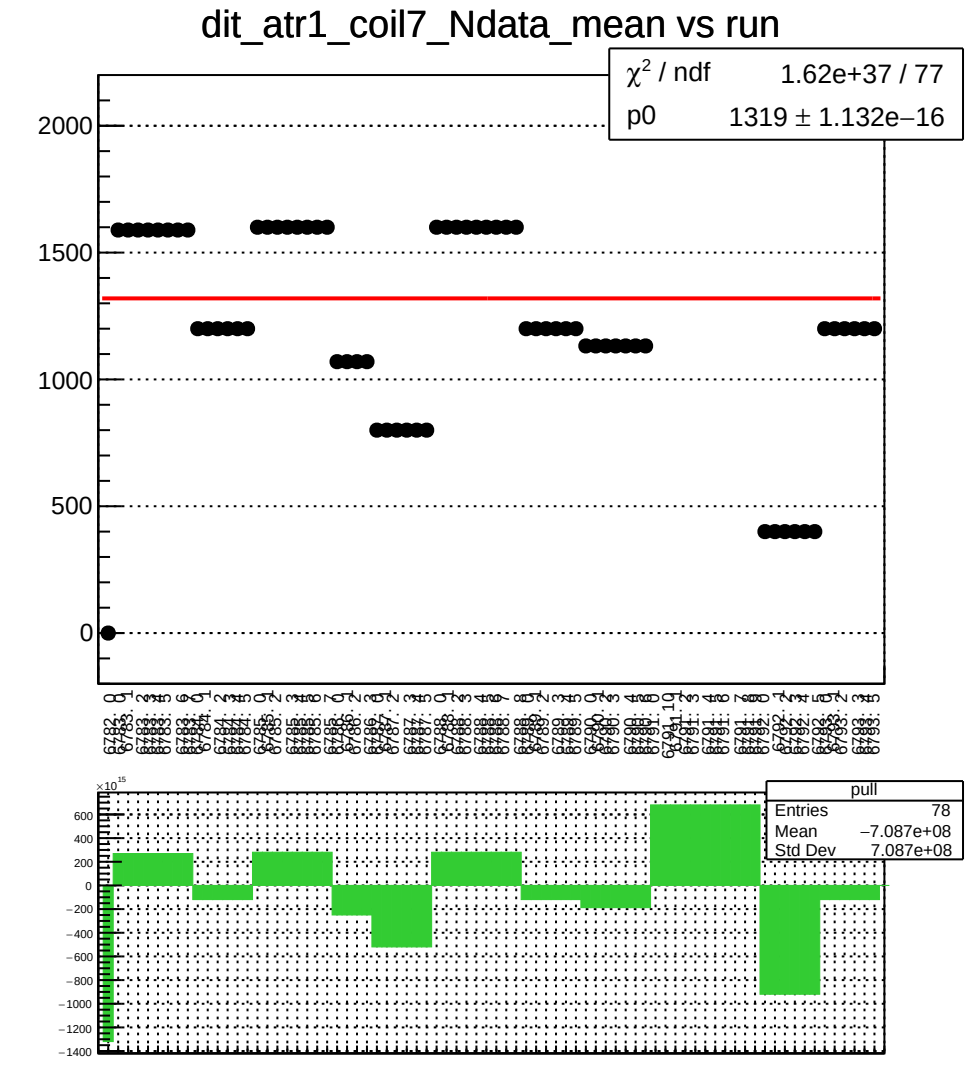

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

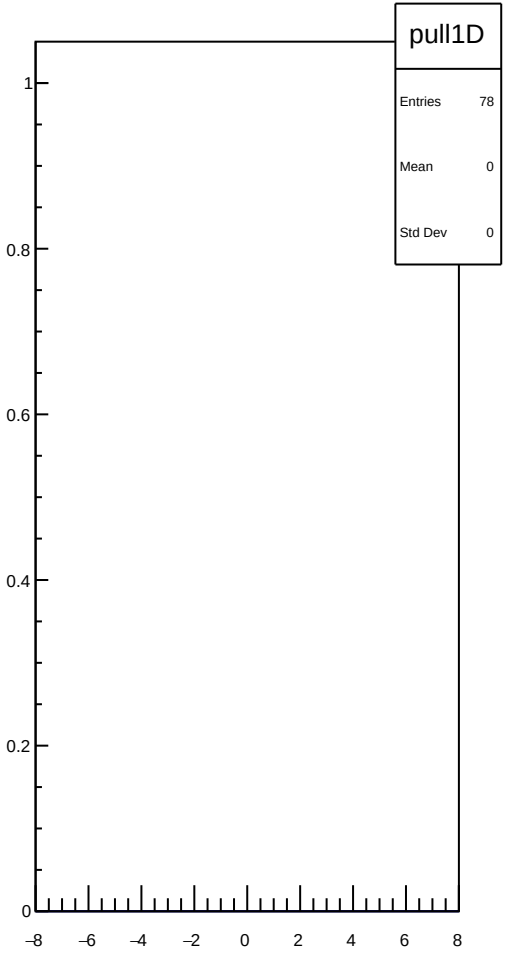

dit_atr1_coil7_mean vs run
χ² / ndf 1.608e+38 / 77
p0 4801± 1.132e−16
8000
6000
4000
2000
0
pull
Entries 78
Mean 1.568e+09
Std Dev 1.568e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000

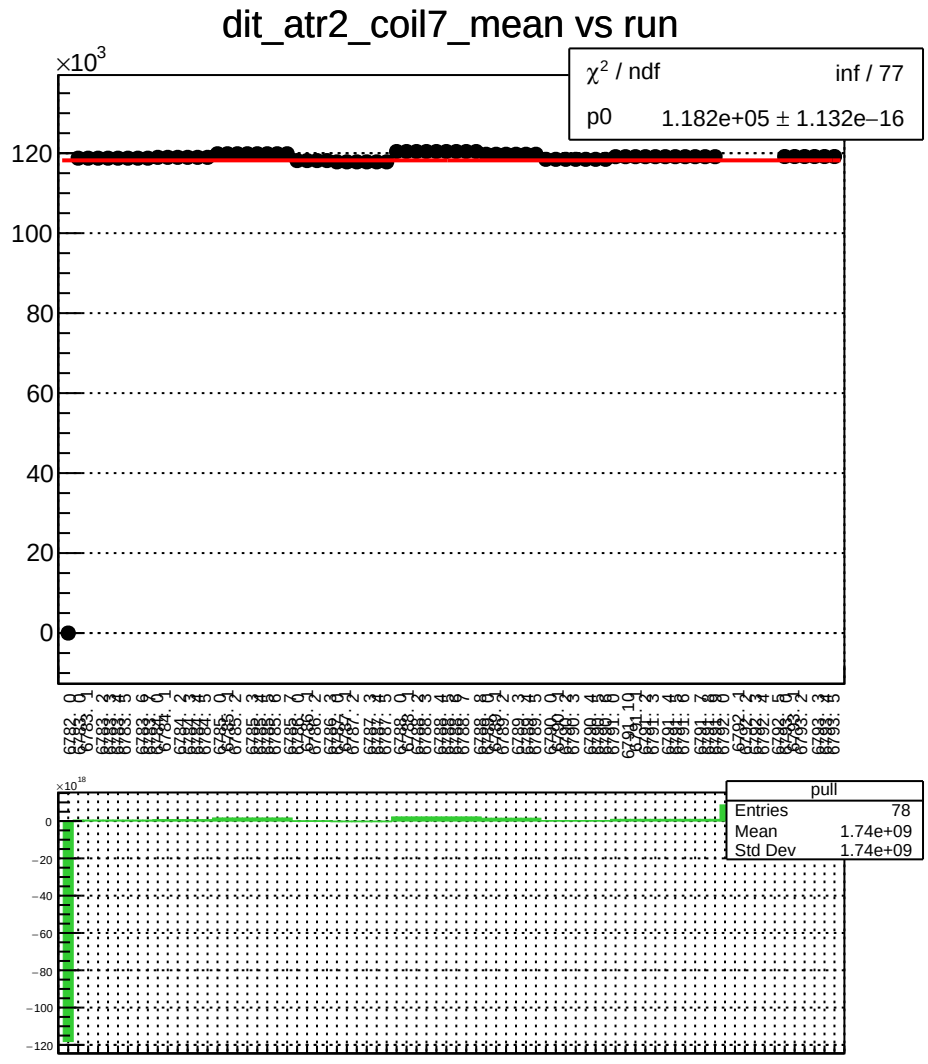

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

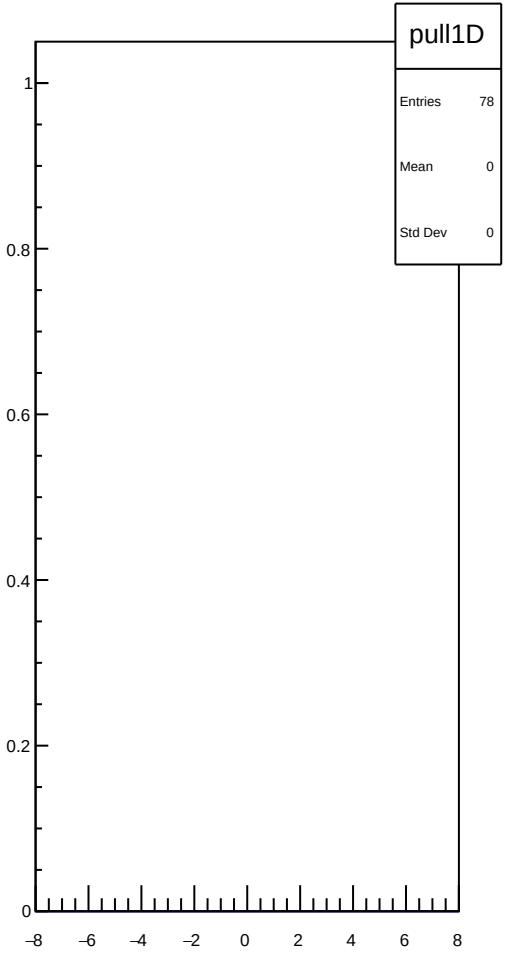

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.391e+36 / 77
p0 604.8 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.257e+09
Std Dev 1.257e+09
×10¹⁵
400
200
0
−200
−400
−600

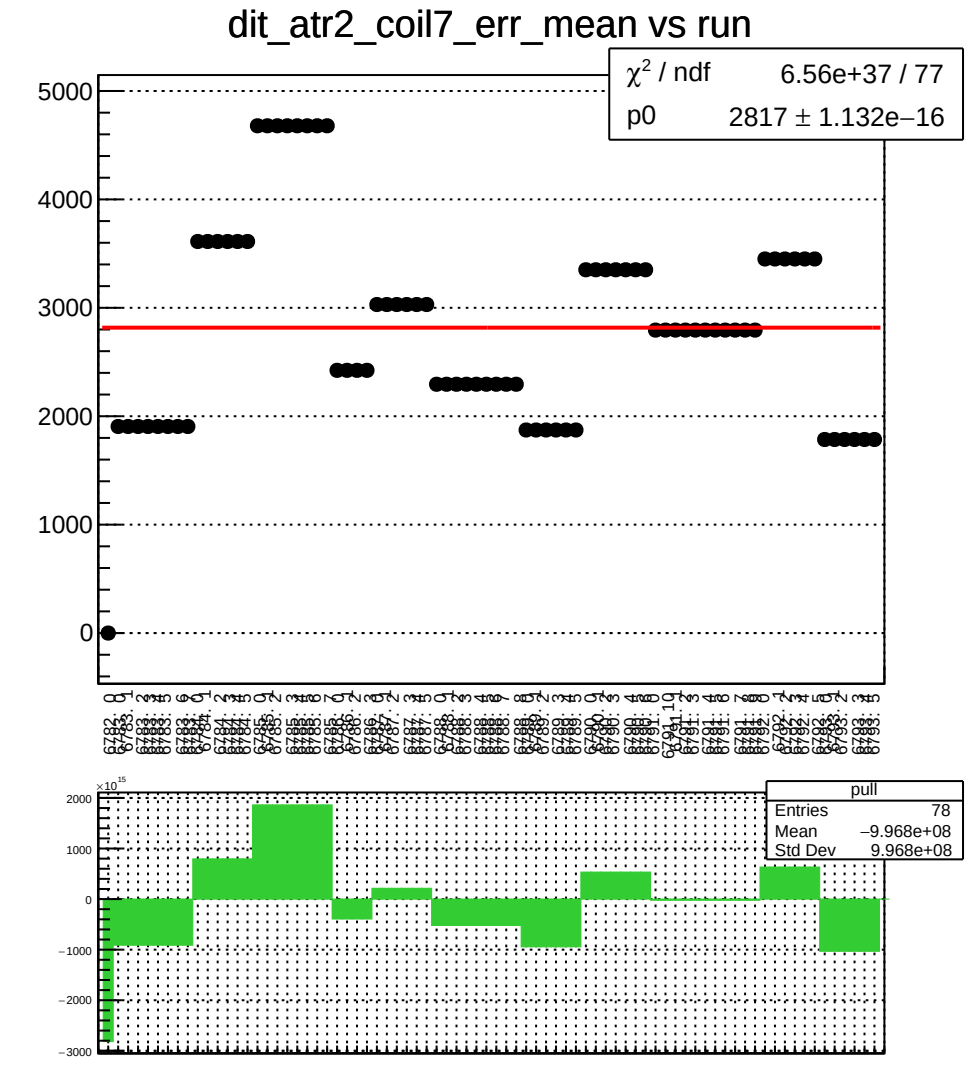

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

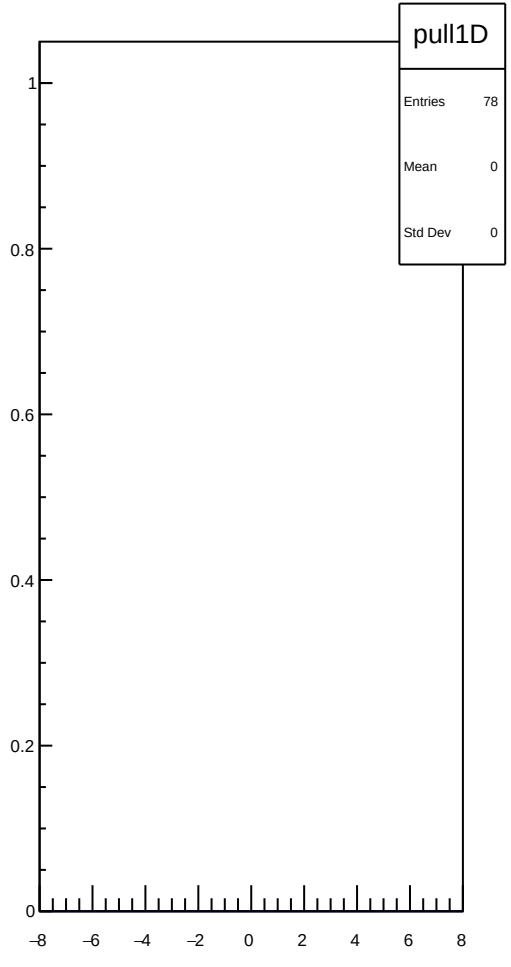

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

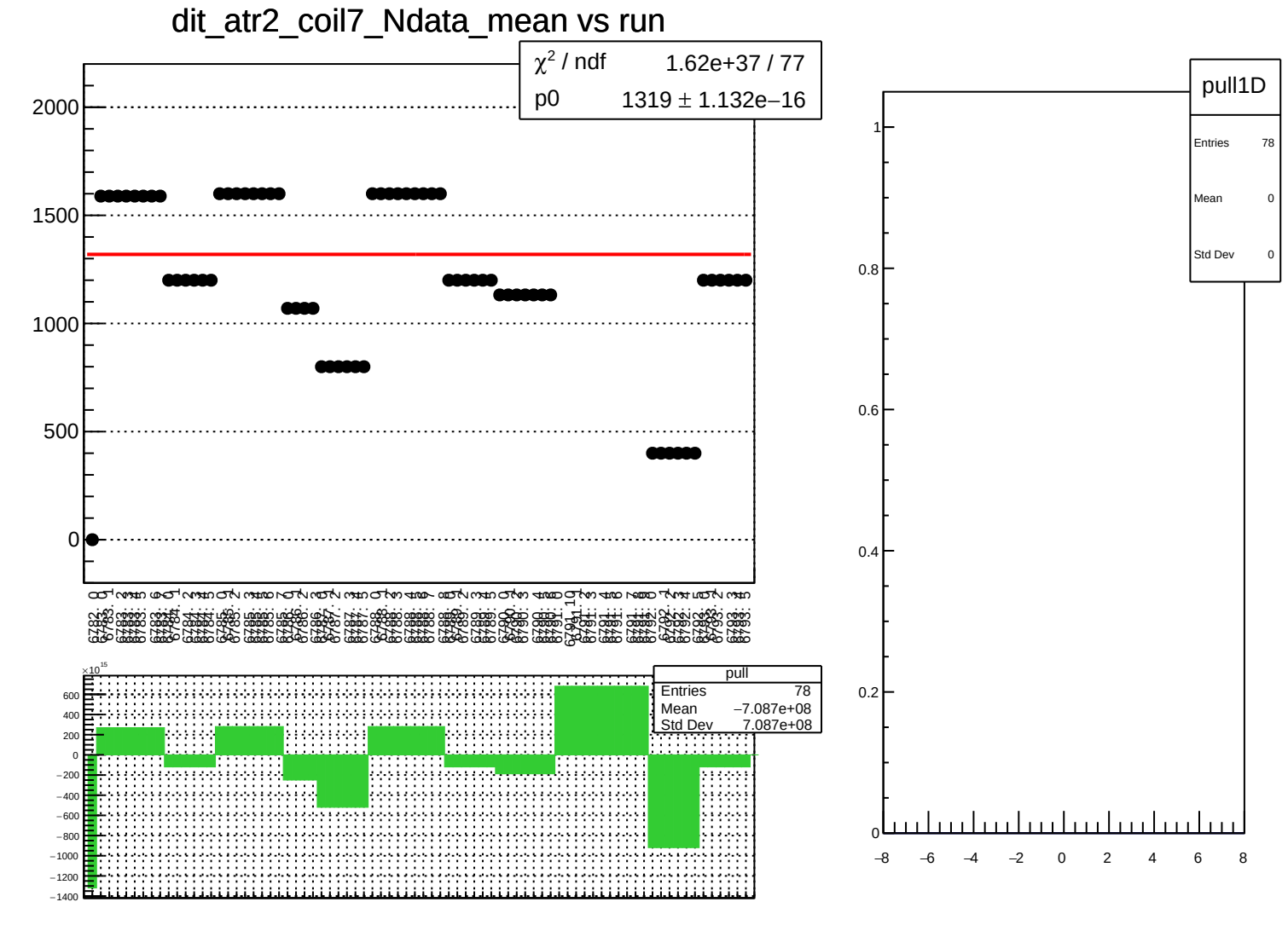

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

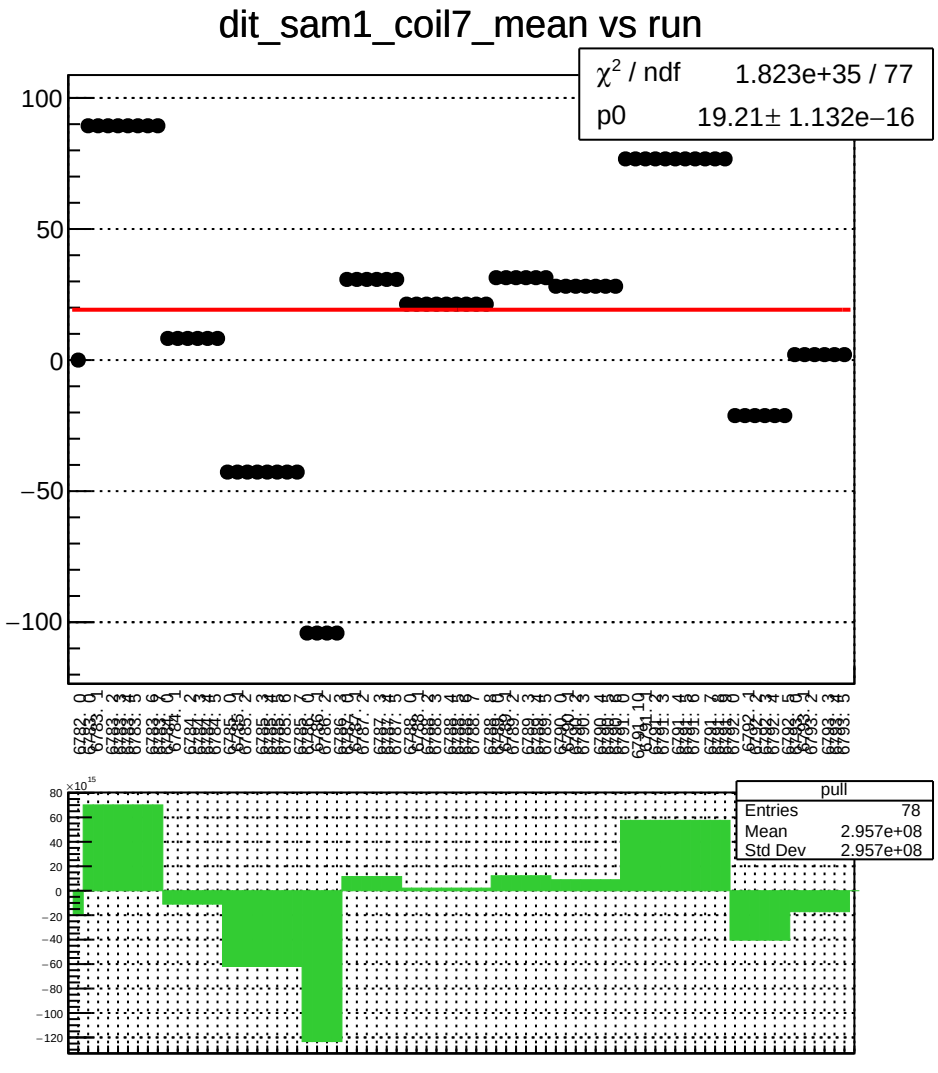

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 77
p0 1.182e+05 ± 1.132e−16
120
100
80
60
40
20
0
pull
Entries 78
Mean 1.74e+09
Std Dev 1.74e+09
×10^18
0
−20
−40
−60
−80
−100
−120

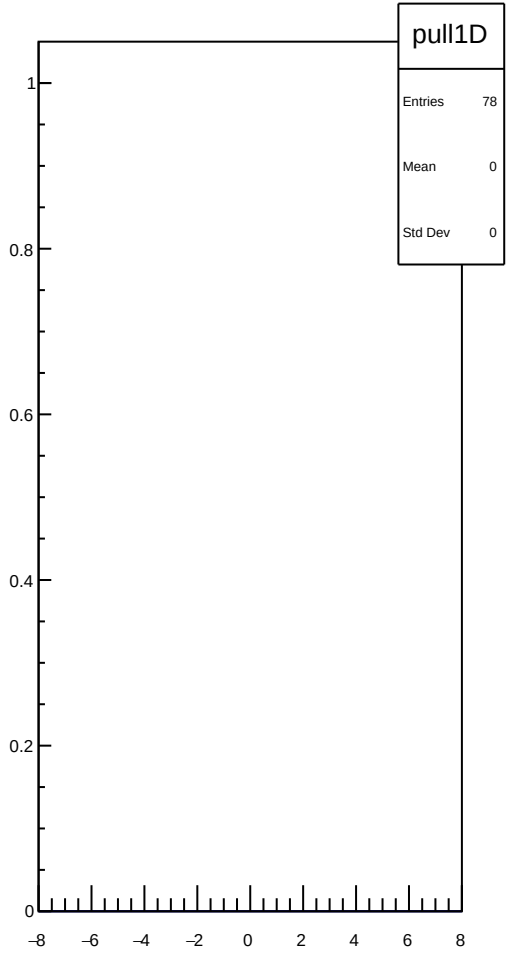

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

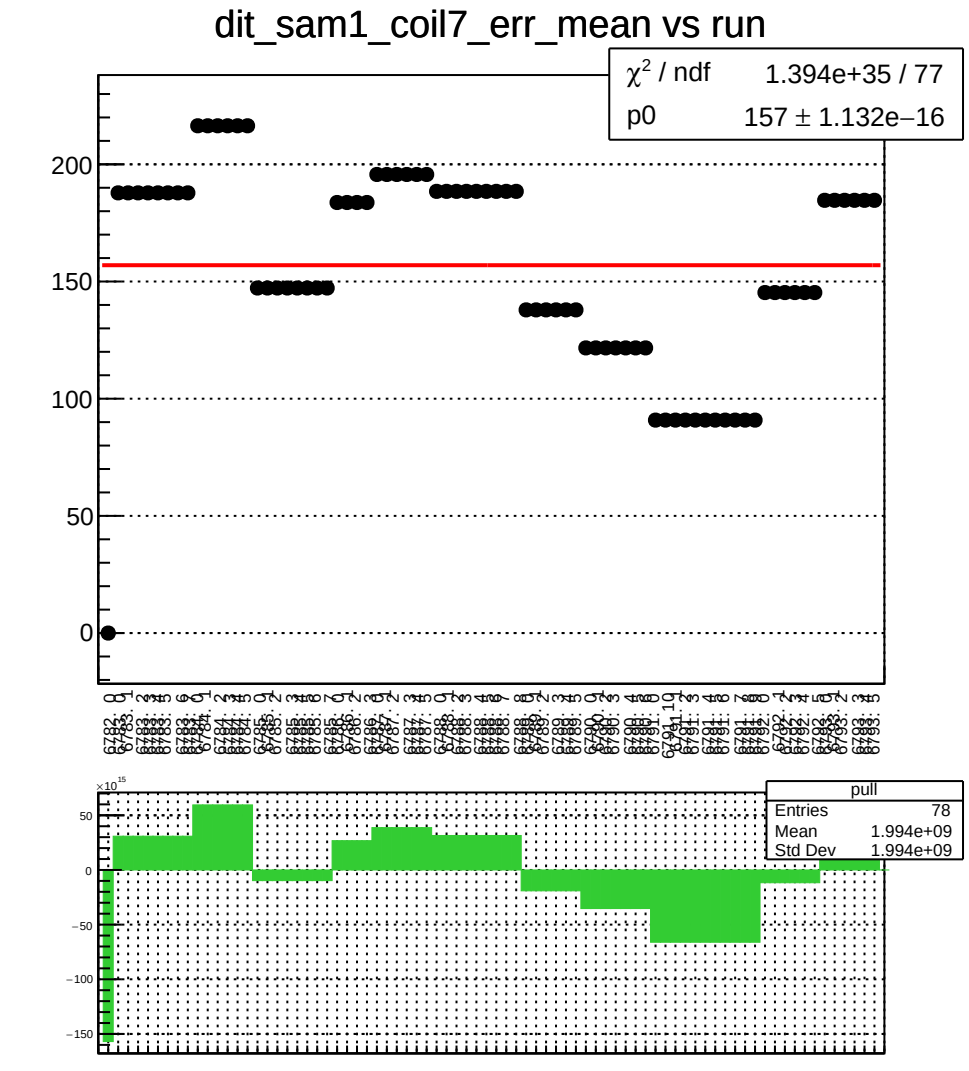

dit_atr2_coil7_err_mean vs run
χ² / ndf 6.56e+37 / 77
p0 2817 ± 1.132e−16
5000
4000
3000
2000
1000
0
pull
Entries 78
Mean −9.968e+08
Std Dev 9.968e+08
×10¹⁵
2000
1000
0
−1000
−2000
−3000

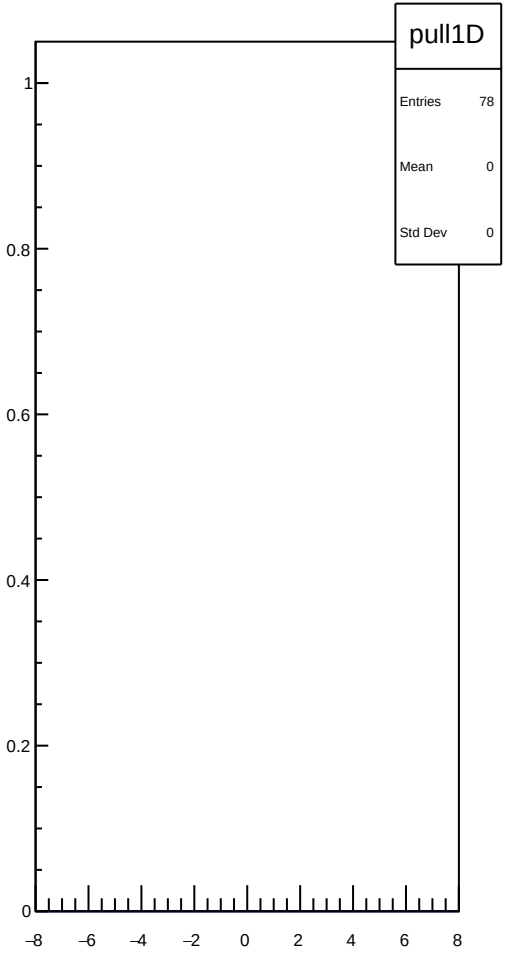

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

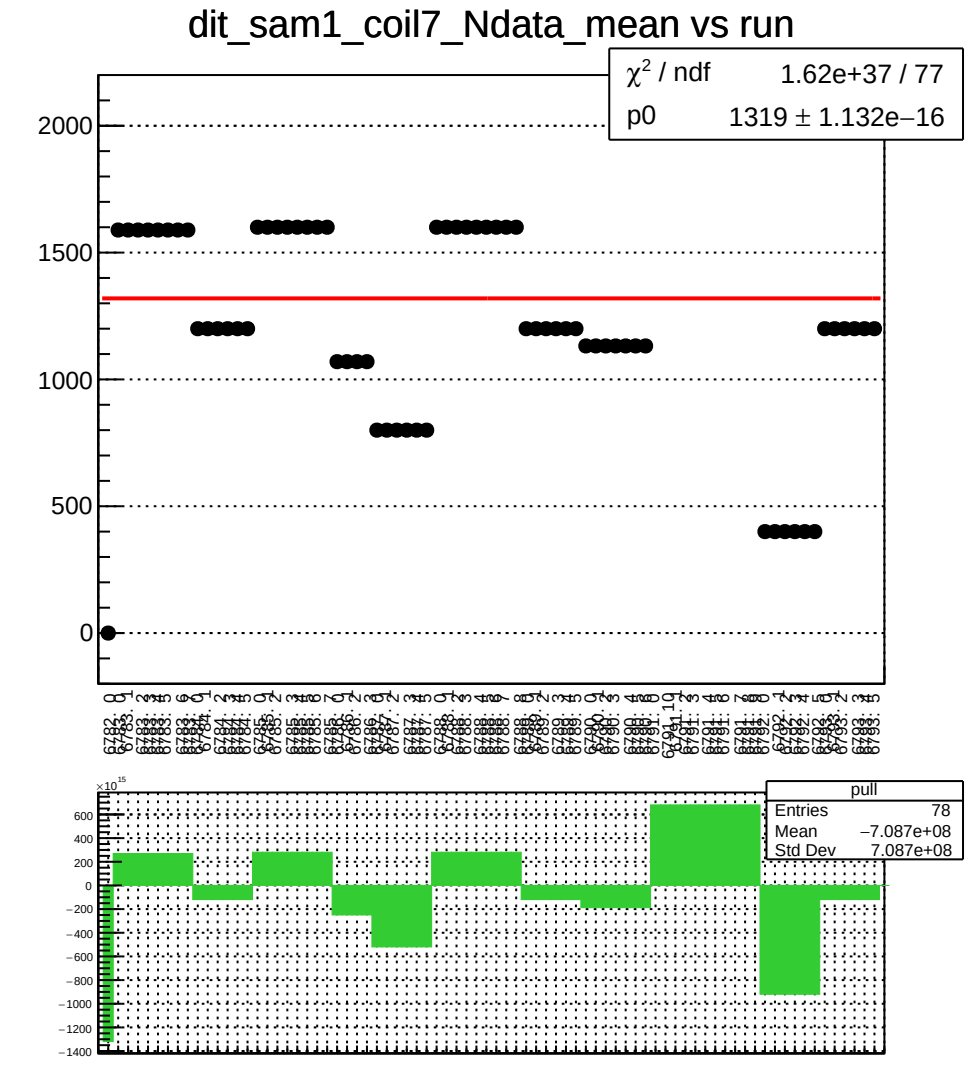

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

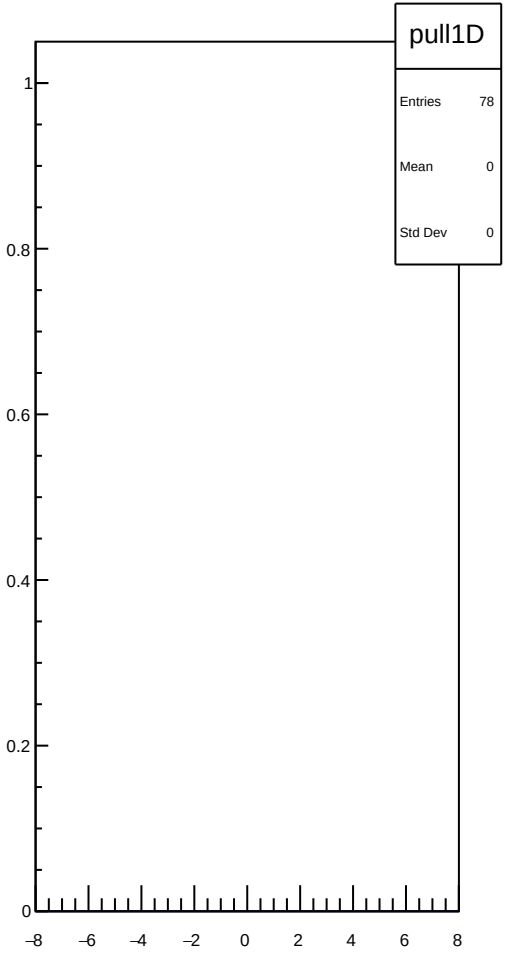

dit_sam1_coil7_mean vs run
χ² / ndf 1.823e+35 / 77
p0 19.21± 1.132e−16
100
50
0
−50
−100
pull
Entries 78
Mean 2.957e+08
Std Dev 2.957e+08

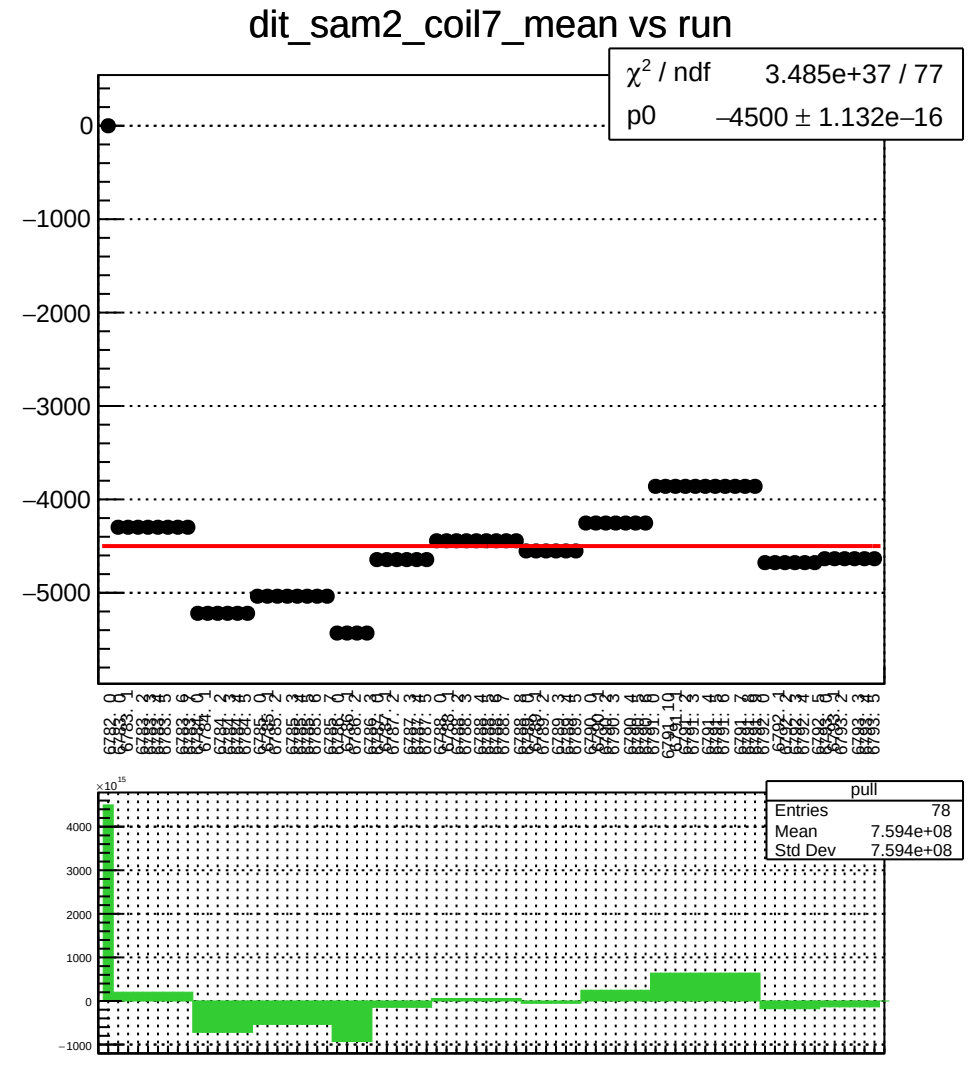

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

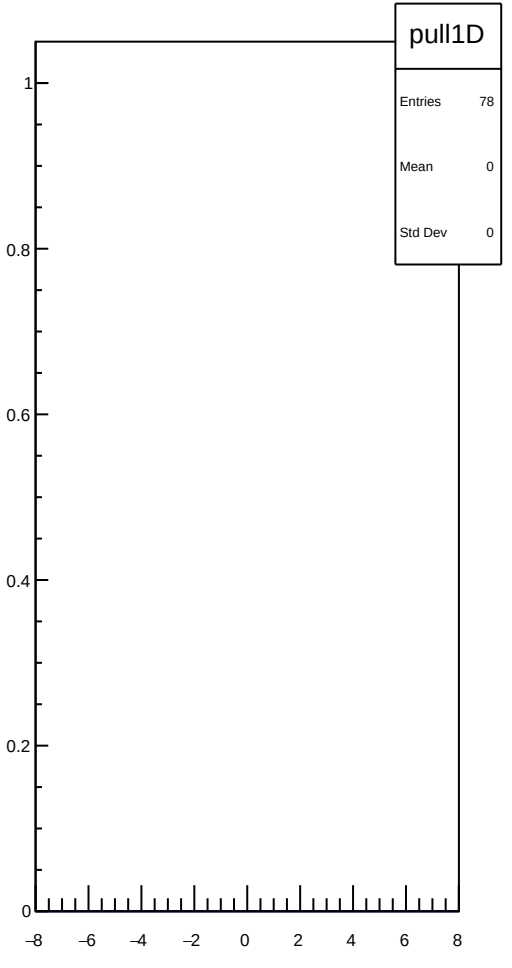

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.394e+35 / 77
p0 157 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean 1.994e+09
Std Dev 1.994e+09
×10¹⁵
50
0
−50
−100
−150

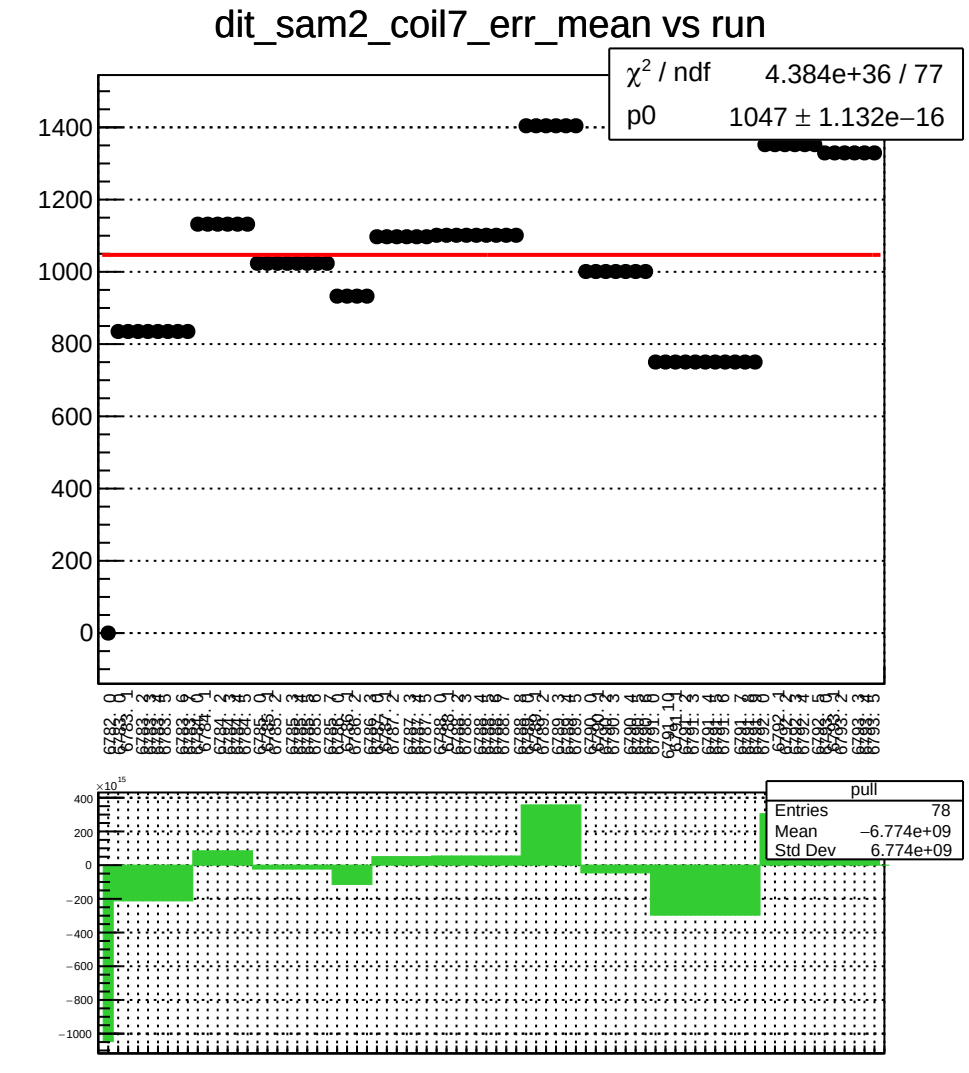

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

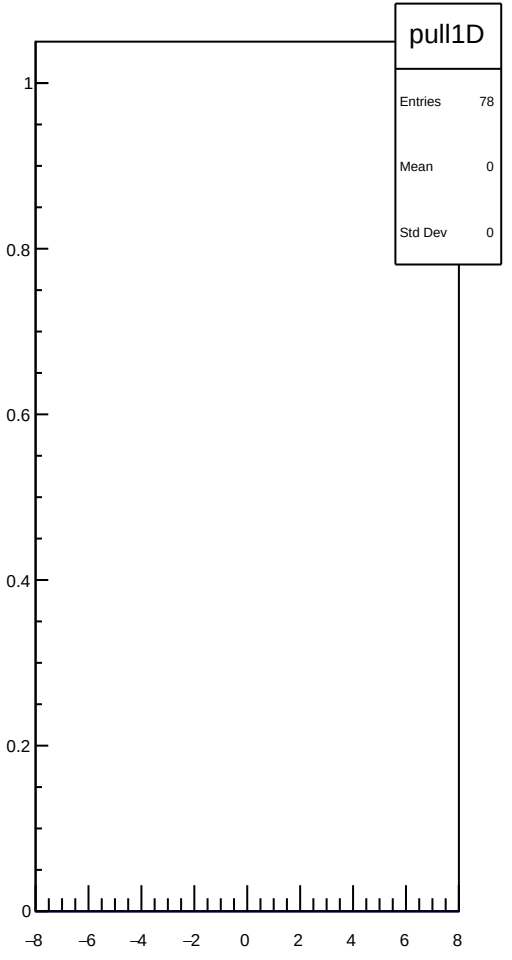

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

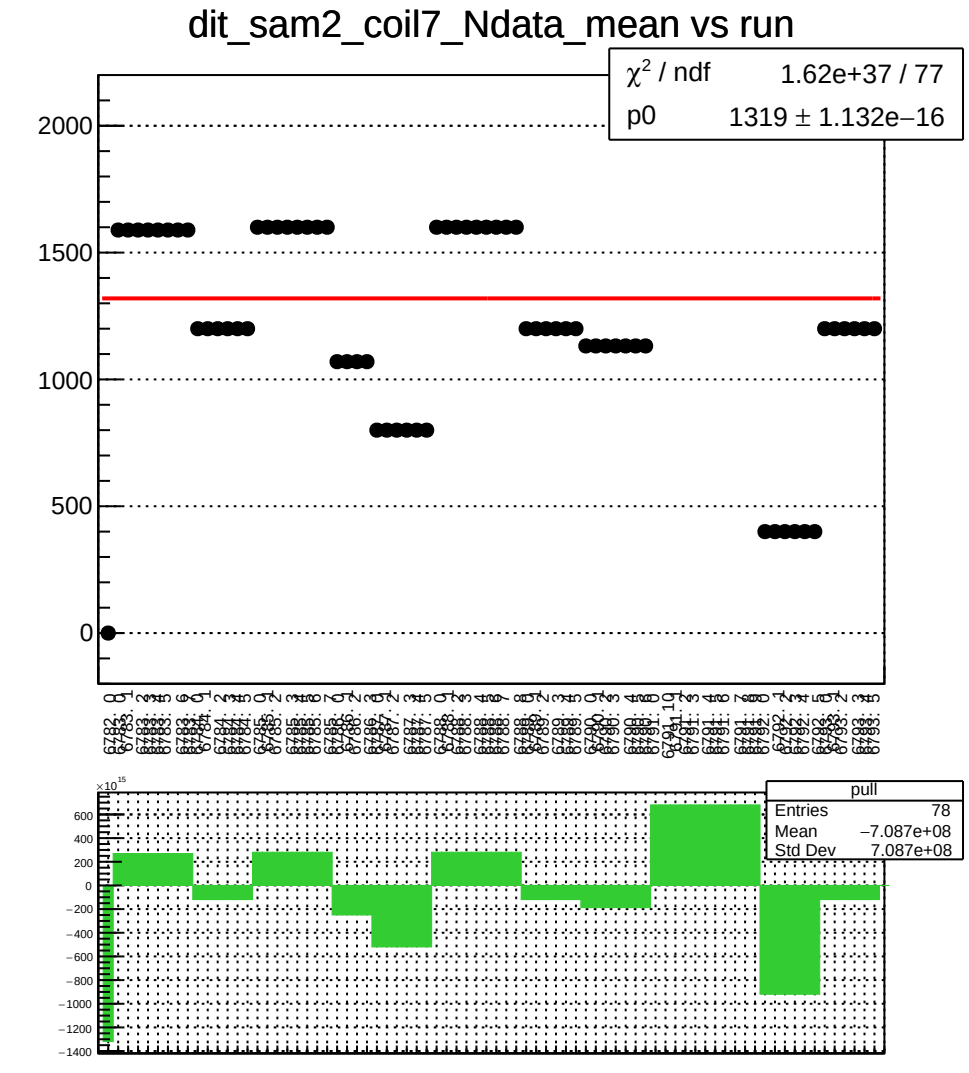

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

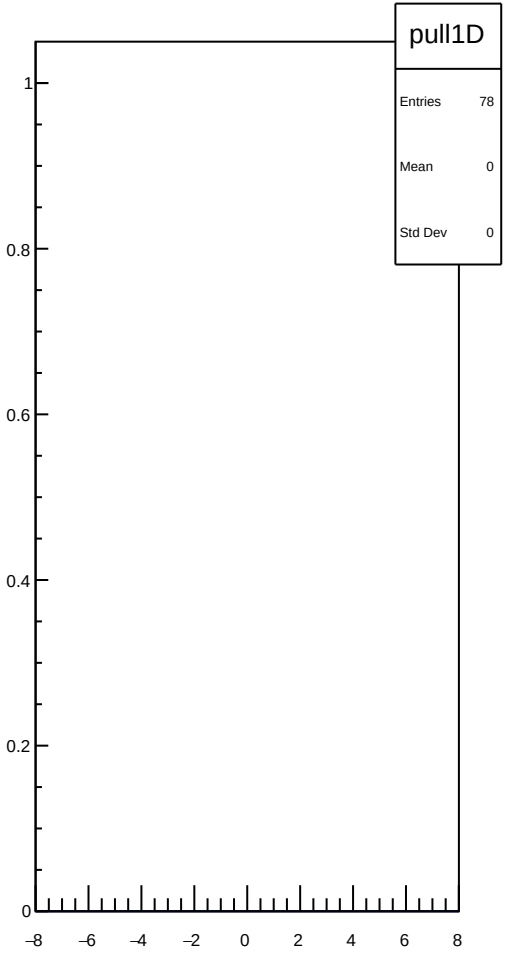

dit_sam2_coil7_mean vs run
χ² / ndf 3.485e+37 / 77
p0 −4500 ± 1.132e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 78
Mean 7.594e+08
Std Dev 7.594e+08
×10¹⁵
4000
3000
2000
1000
0
−1000

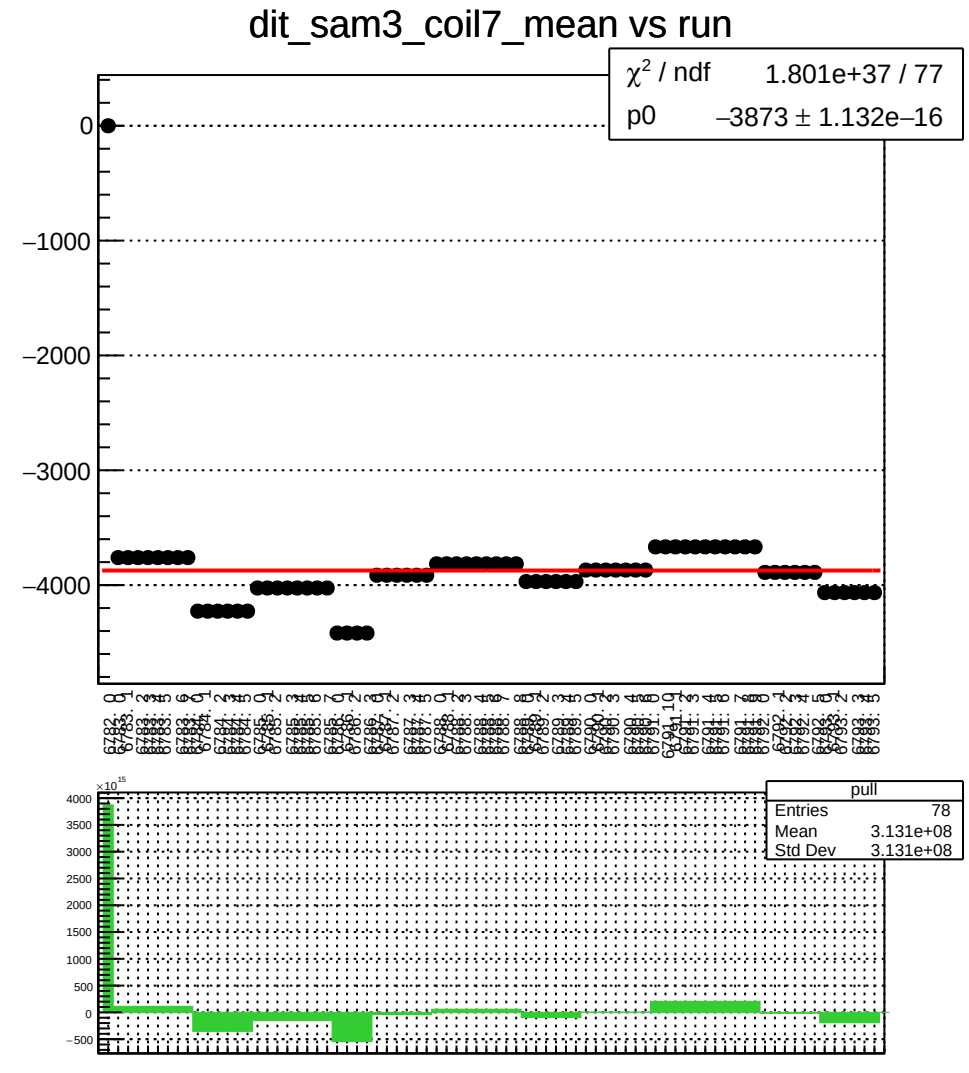

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

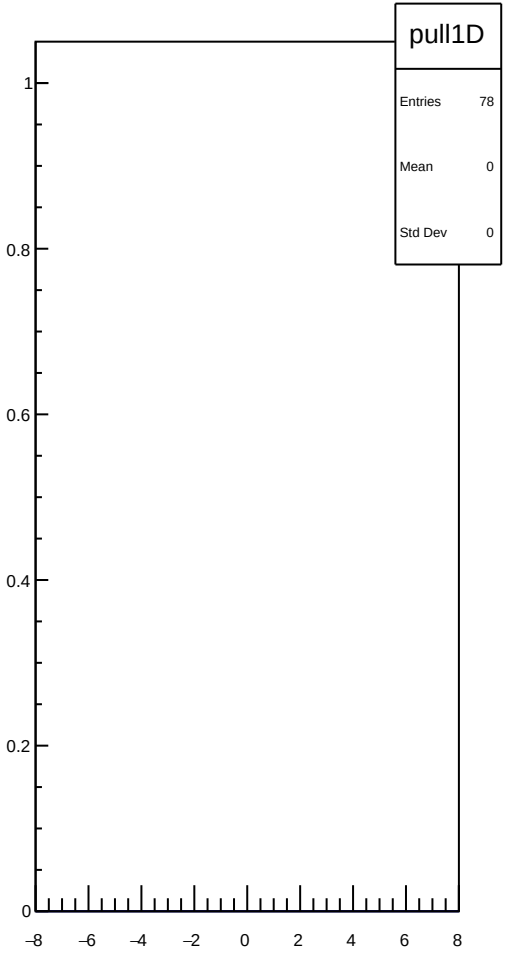

dit_sam2_coil7_err_mean vs run
χ² / ndf 4.384e+36 / 77
p0 1047 ± 1.132e−16
pull
Entries 78
Mean −6.774e+09
Std Dev 6.774e+09

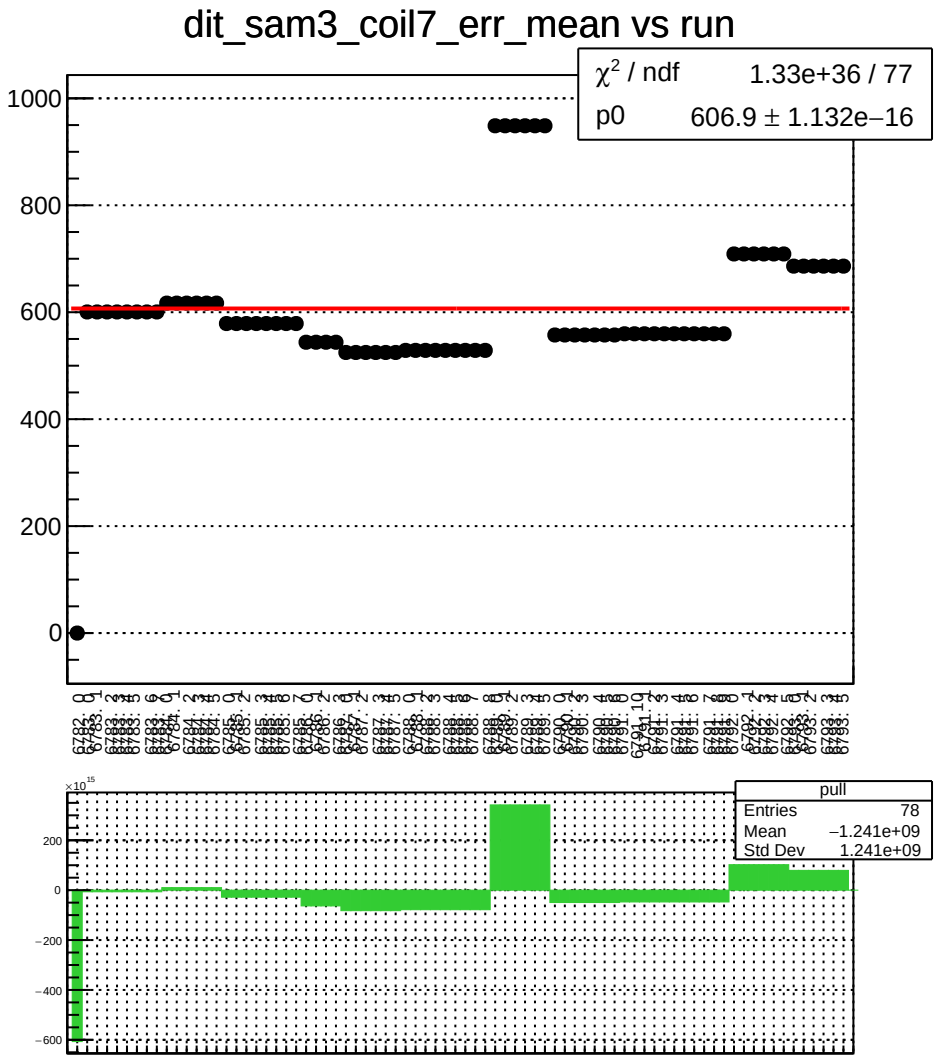

pull1D
Entries 78
Mean 0
Std Dev 0

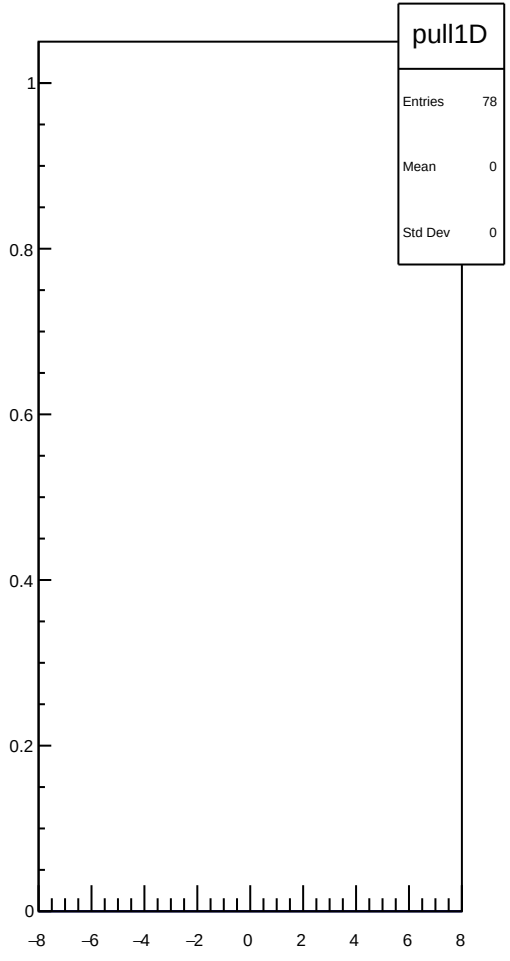

dit_sam2_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

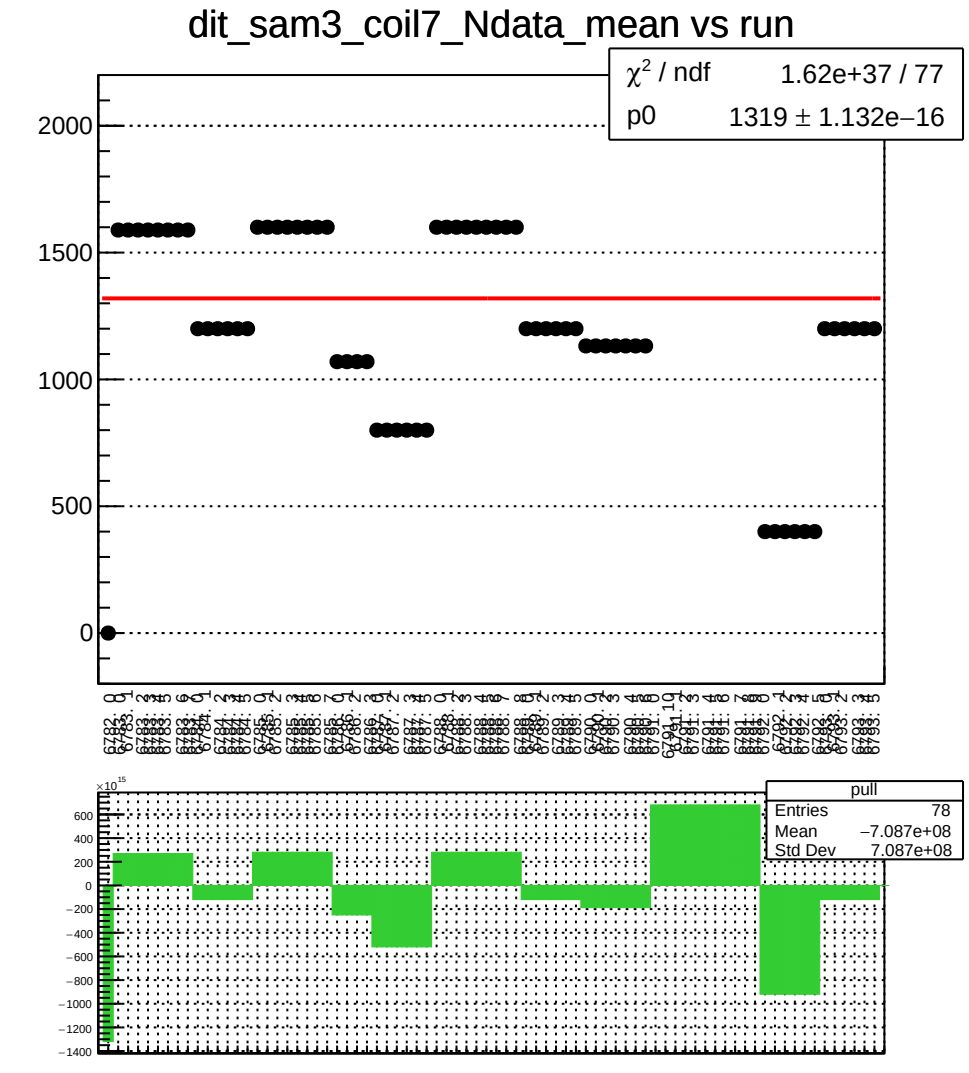

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

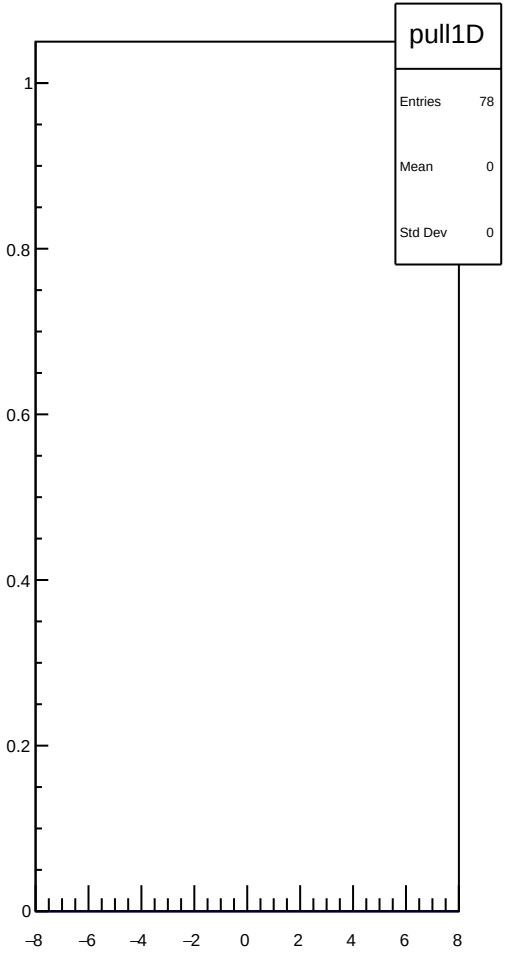

dit_sam3_coil7_mean vs run
χ² / ndf 1.801e+37 / 77
p0 −3873 ± 1.132e−16
0
−1000
−2000
−3000
−4000
pull
Entries 78
Mean 3.131e+08
Std Dev 3.131e+08
×10¹⁵
4000
3500
3000
2500
2000
1500
1000
500
0
−500

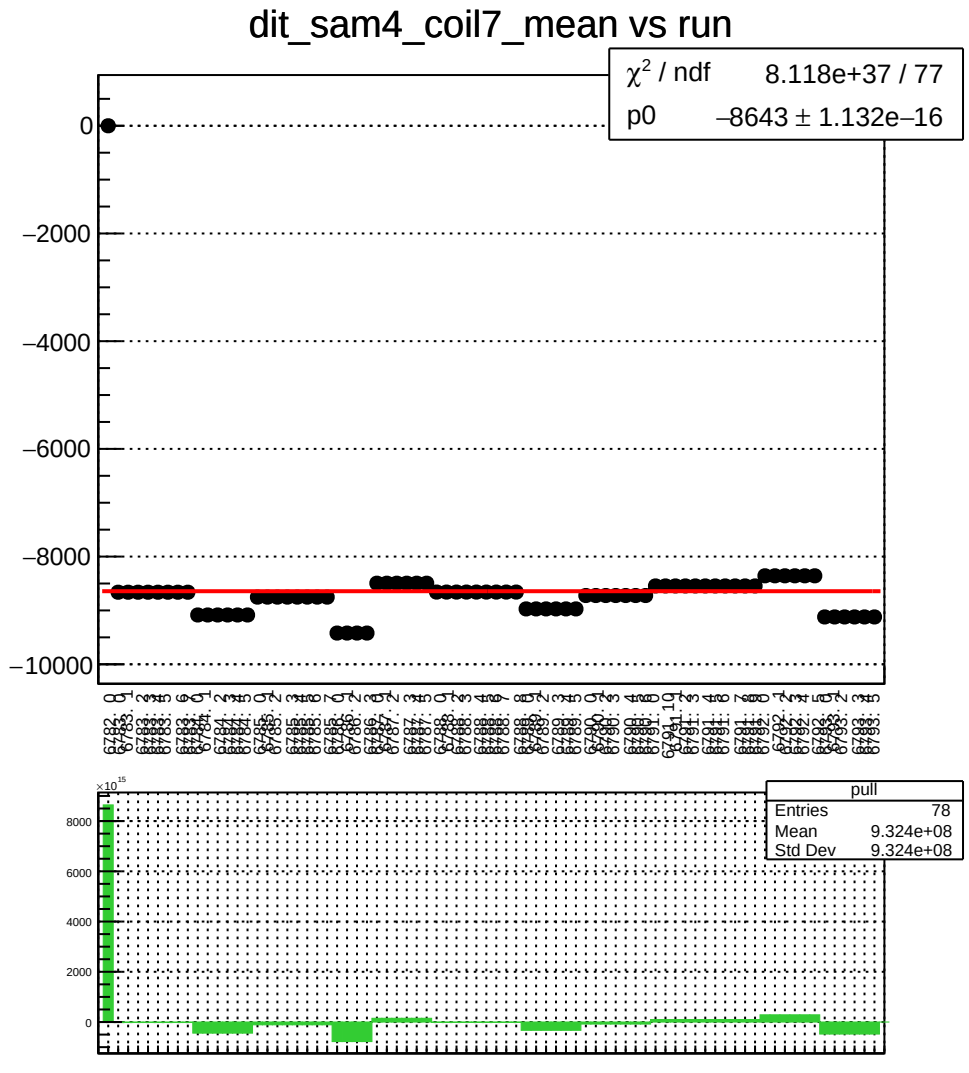

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

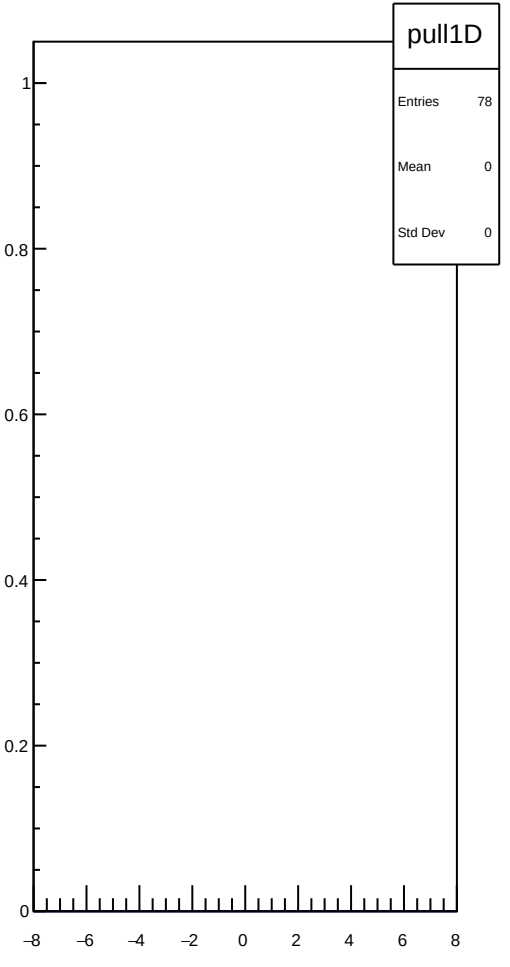

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.33e+36 / 77
p0 606.9 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.241e+09
Std Dev 1.241e+09
×10¹⁵
200
0
−200
−400
−600

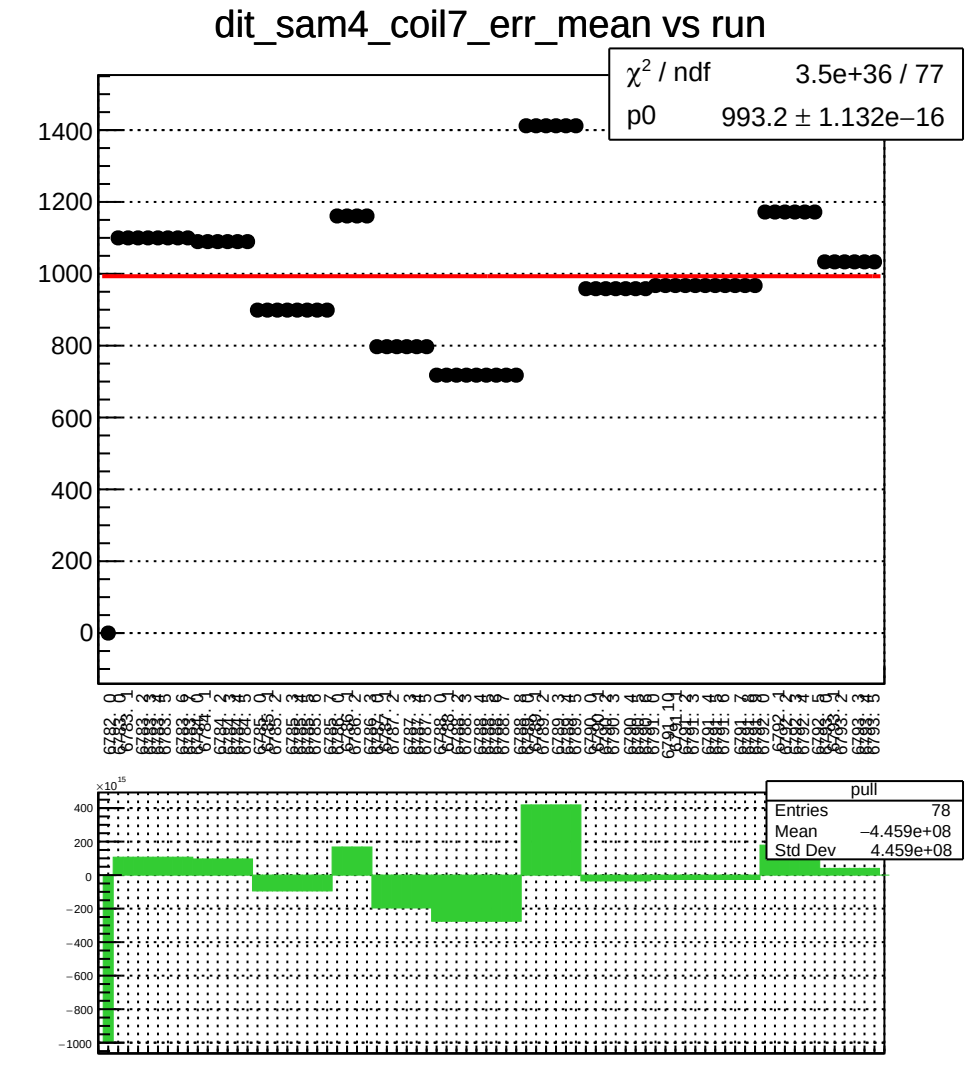

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

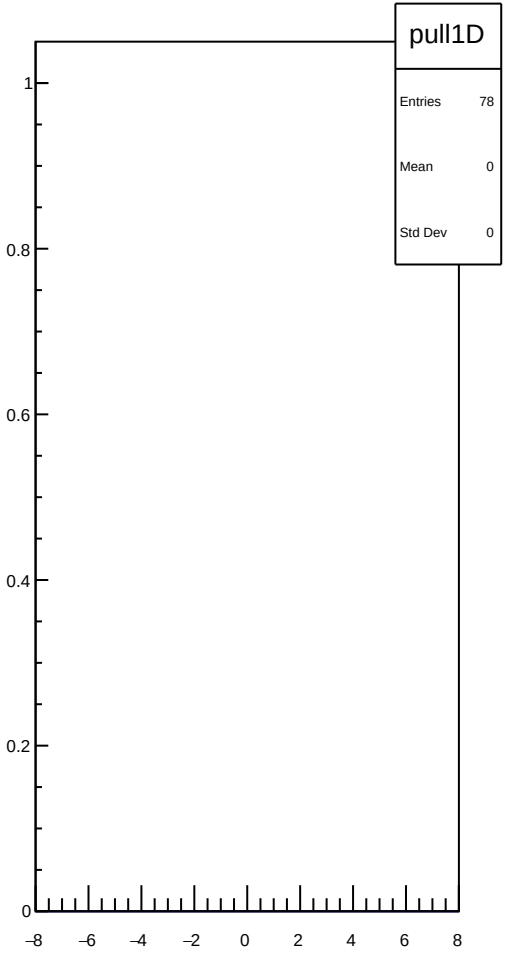

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

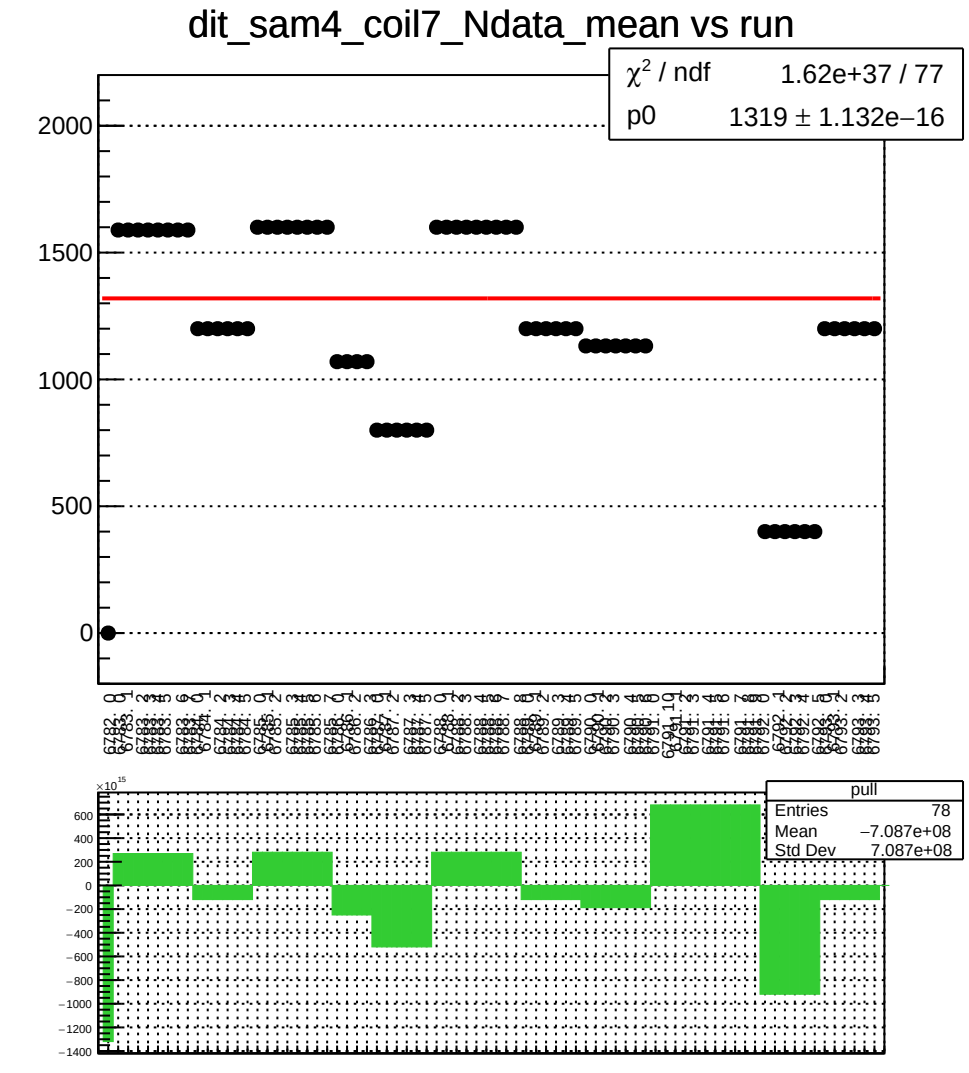

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

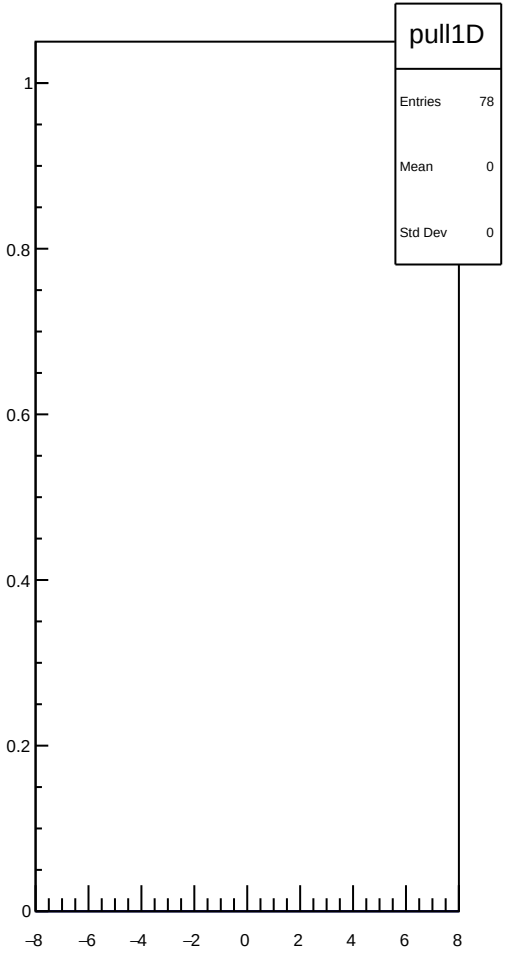

dit_sam4_coil7_mean vs run
χ² / ndf 8.118e+37 / 77
p0 −8643 ± 1.132e−16
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 78
Mean 9.324e+08
Std Dev 9.324e+08
×10¹⁵
8000
6000
4000
2000
0

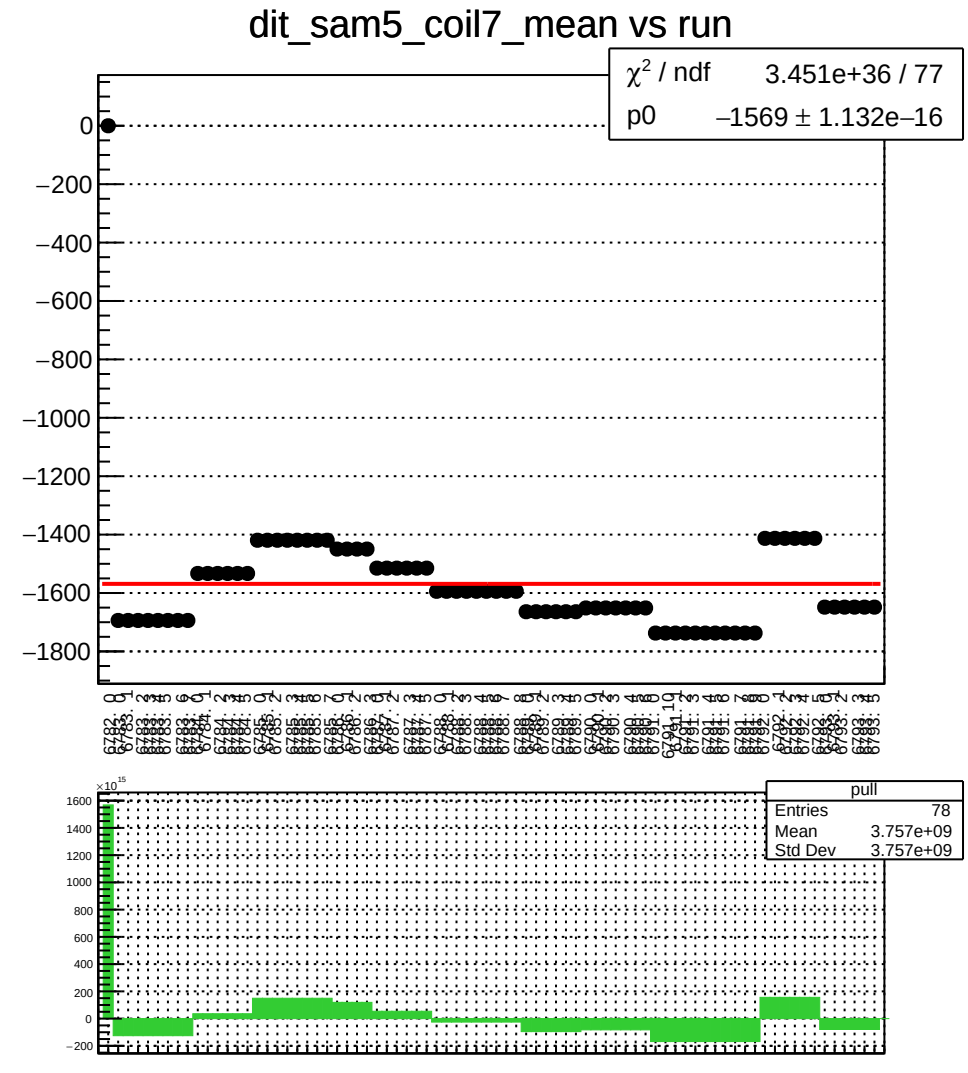

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

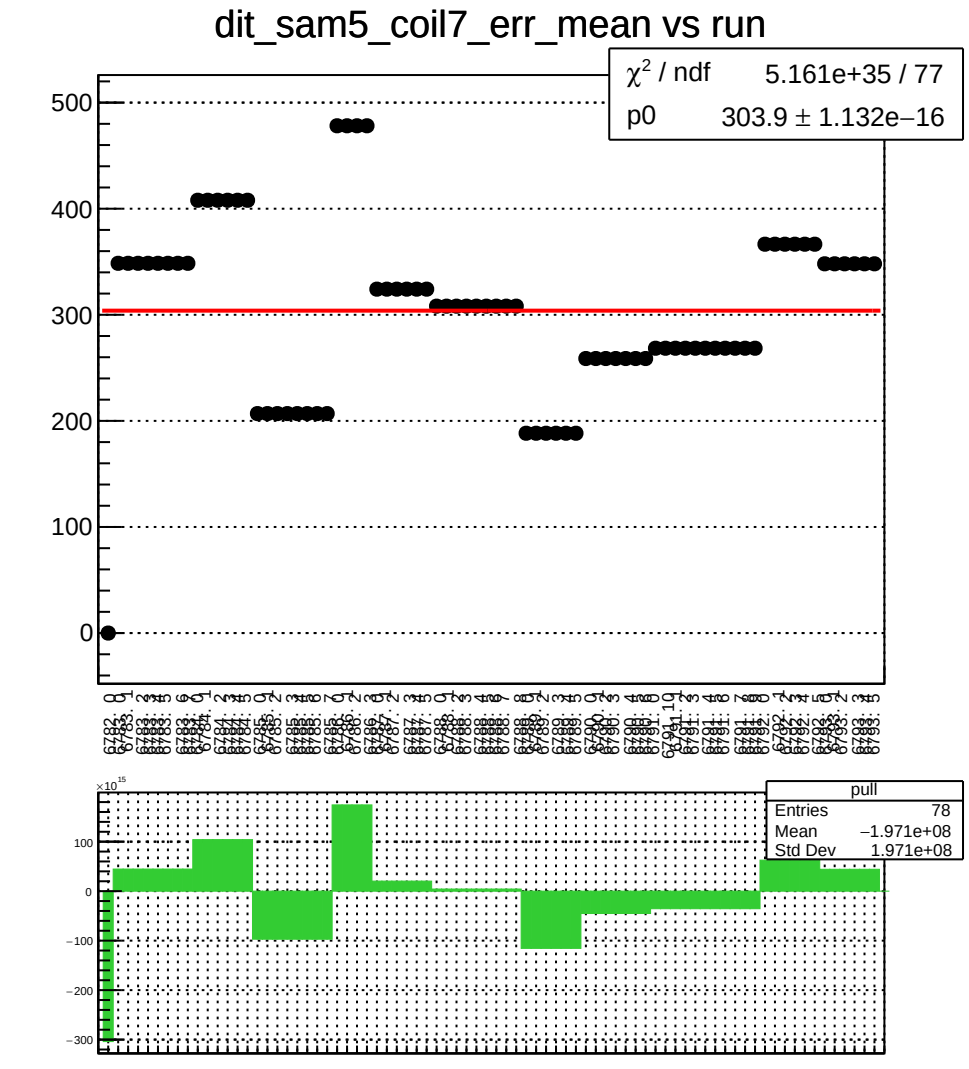

dit_sam4_coil7_err_mean vs run
χ² / ndf 3.5e+36 / 77
p0 993.2 ± 1.132e−16
pull
Entries 78
Mean −4.459e+08
Std Dev 4.459e+08

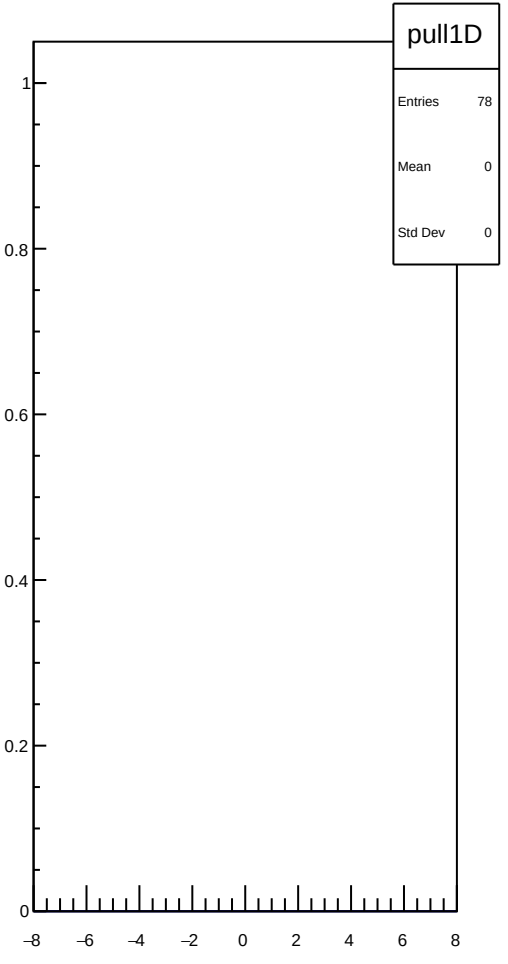

pull1D
Entries 78
Mean 0
Std Dev 0

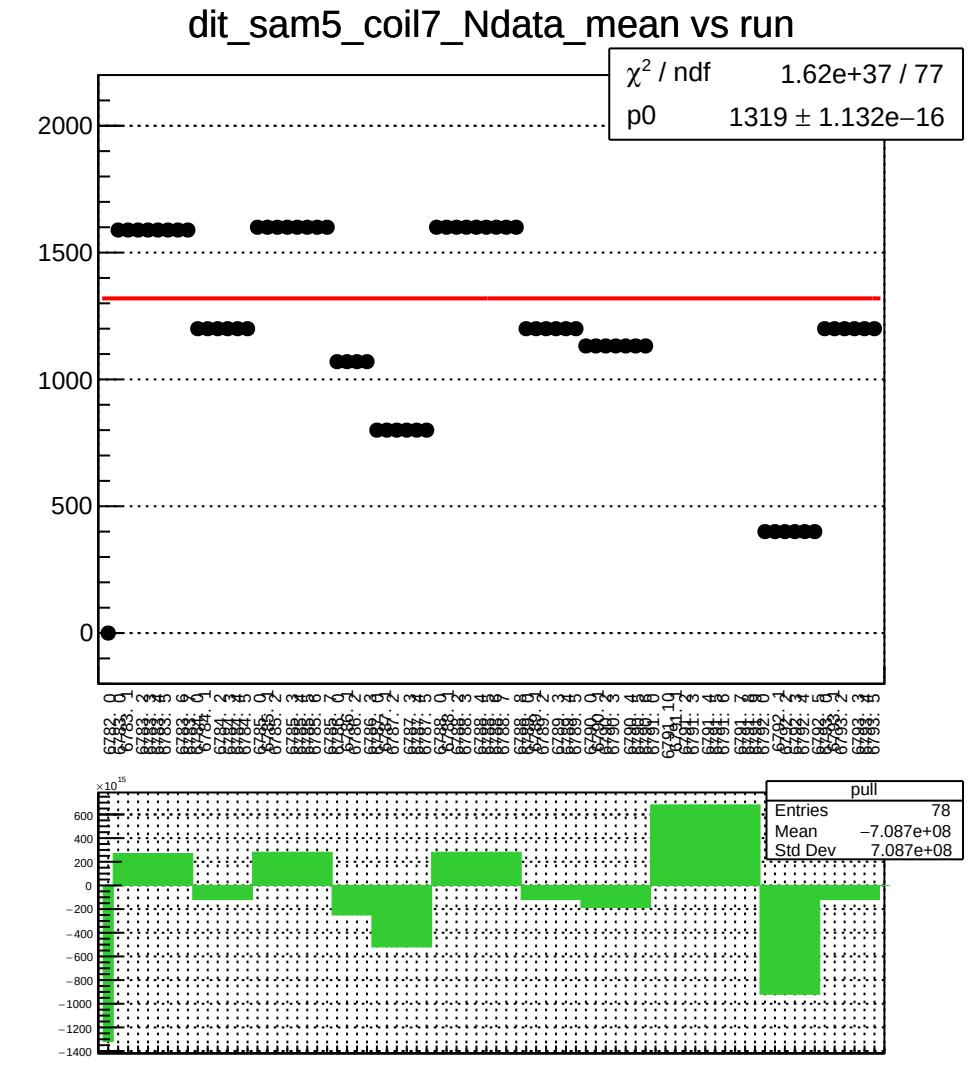

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

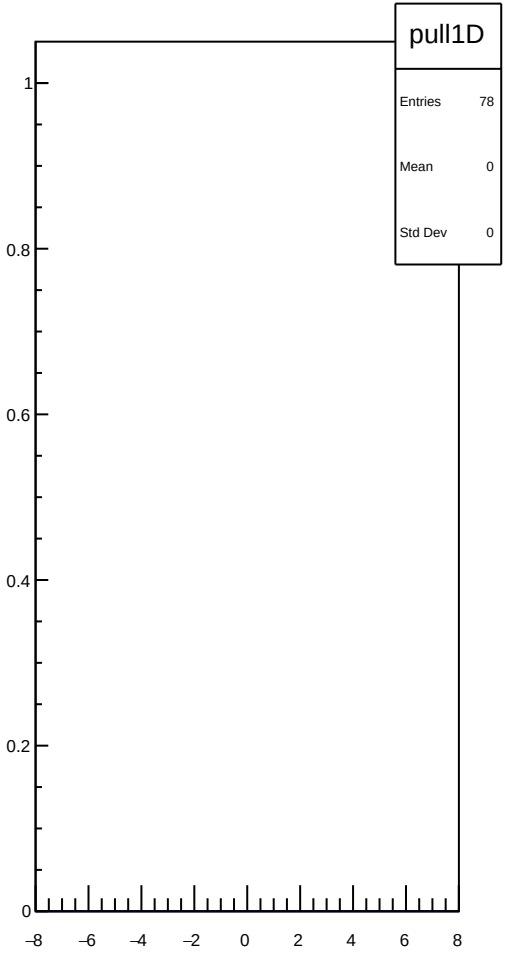

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

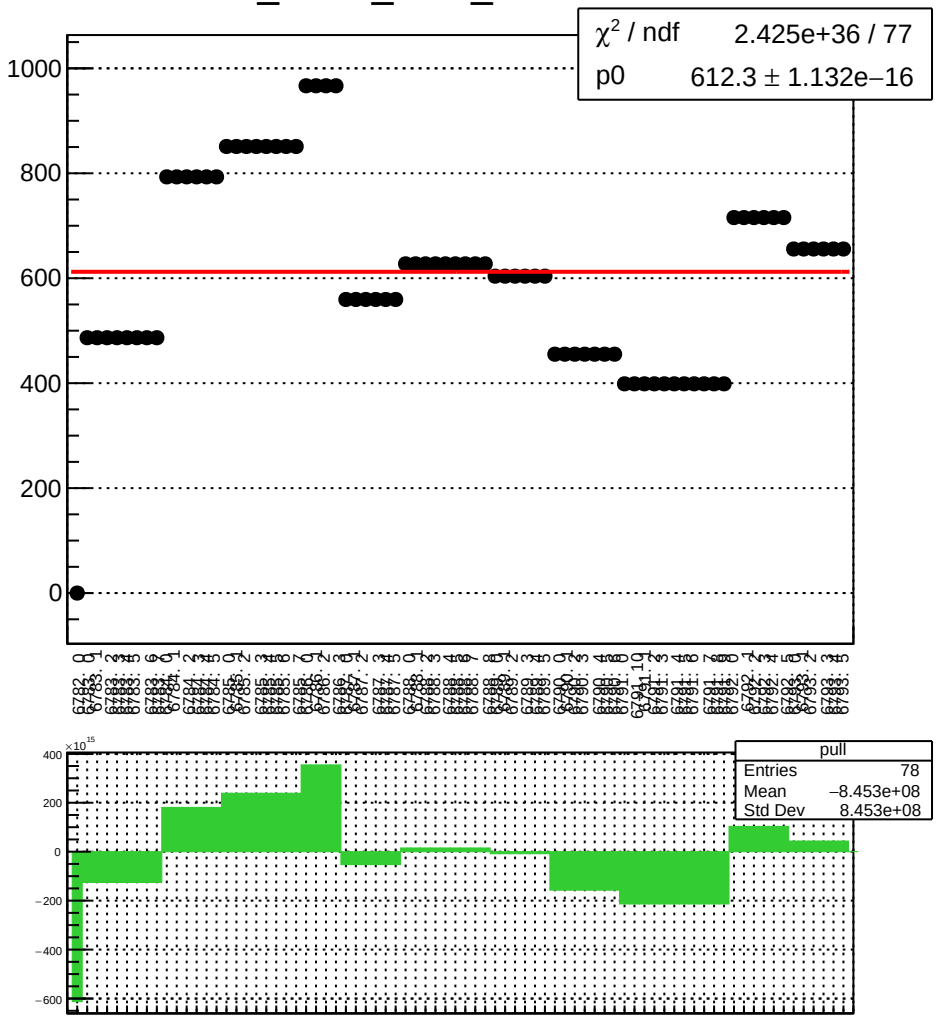

dit_sam5_coil7_mean vs run
χ² / ndf 3.451e+36 / 77
p0 −1569 ± 1.132e−16
pull
Entries 78
Mean 3.757e+09
Std Dev 3.757e+09
pull1D
Entries 78
Mean 0
Std Dev 0

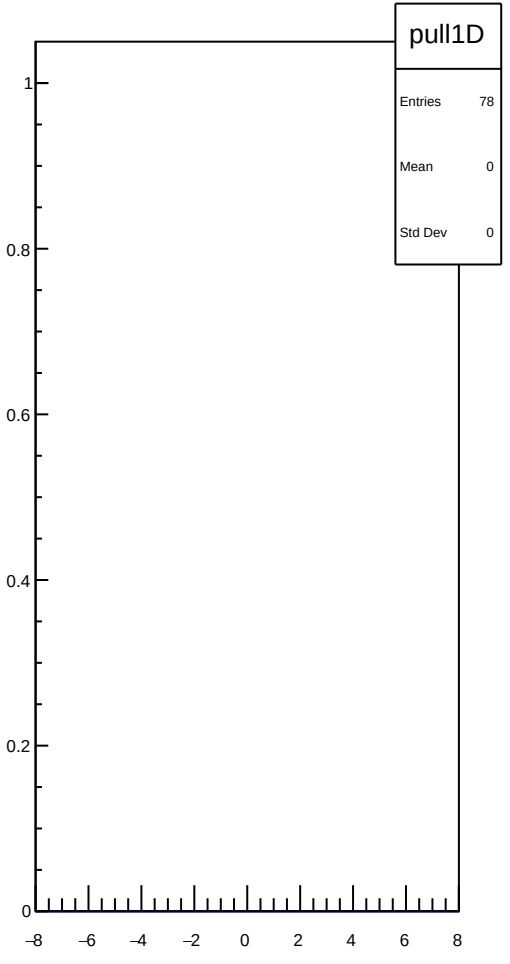

dit_sam5_coil7_err_mean vs run
χ² / ndf 5.161e+35 / 77
p0 303.9 ± 1.132e−16
pull
Entries 78
Mean −1.971e+08
Std Dev 1.971e+08

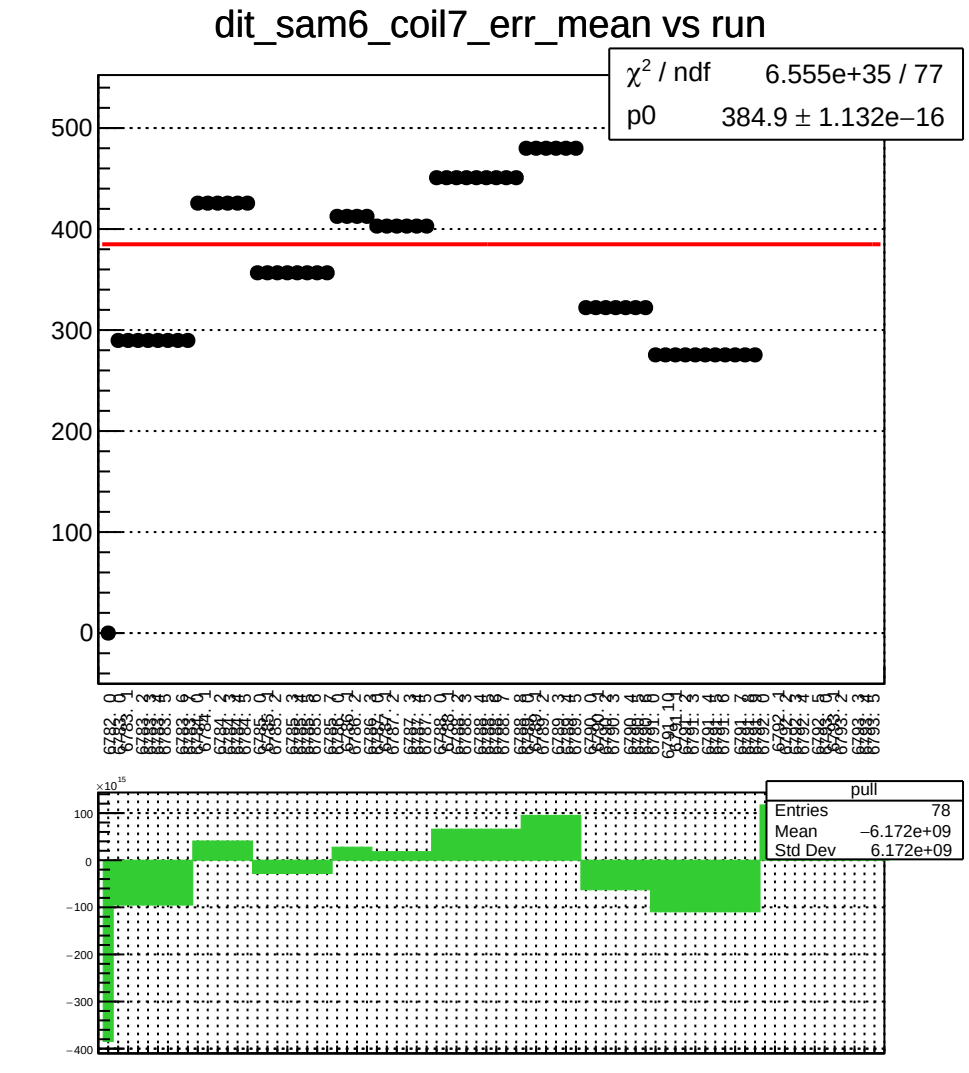

pull1D
Entries 78
Mean 0
Std Dev 0

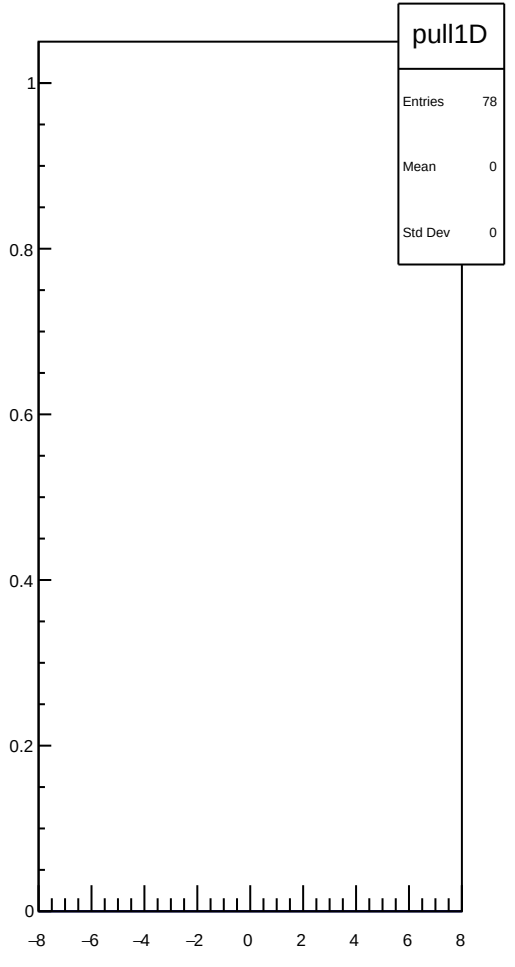

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

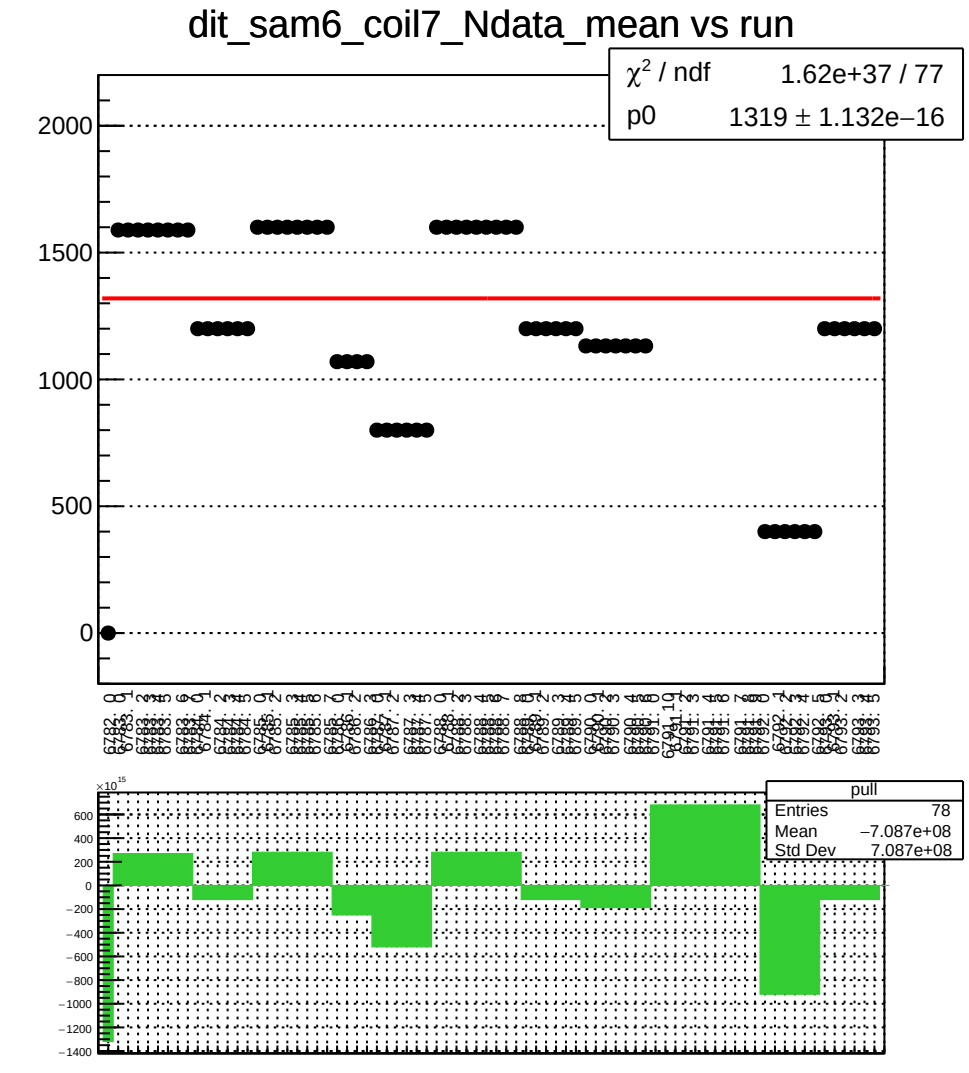

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

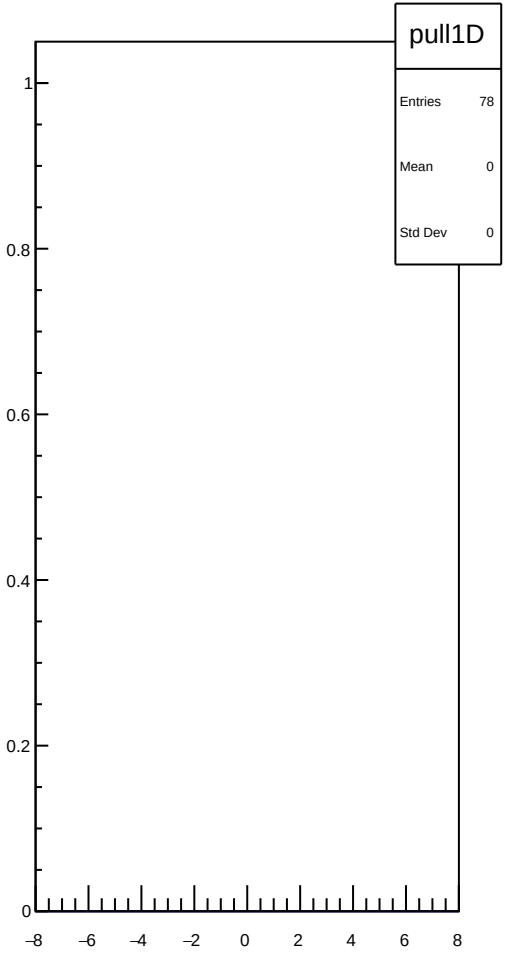

dit_sam6_coil7_mean vs run
χ² / ndf 2.425e+36 / 77
p0 612.3 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −8.453e+08
Std Dev 8.453e+08
×10¹⁵
400
200
0
−200
−400
−600

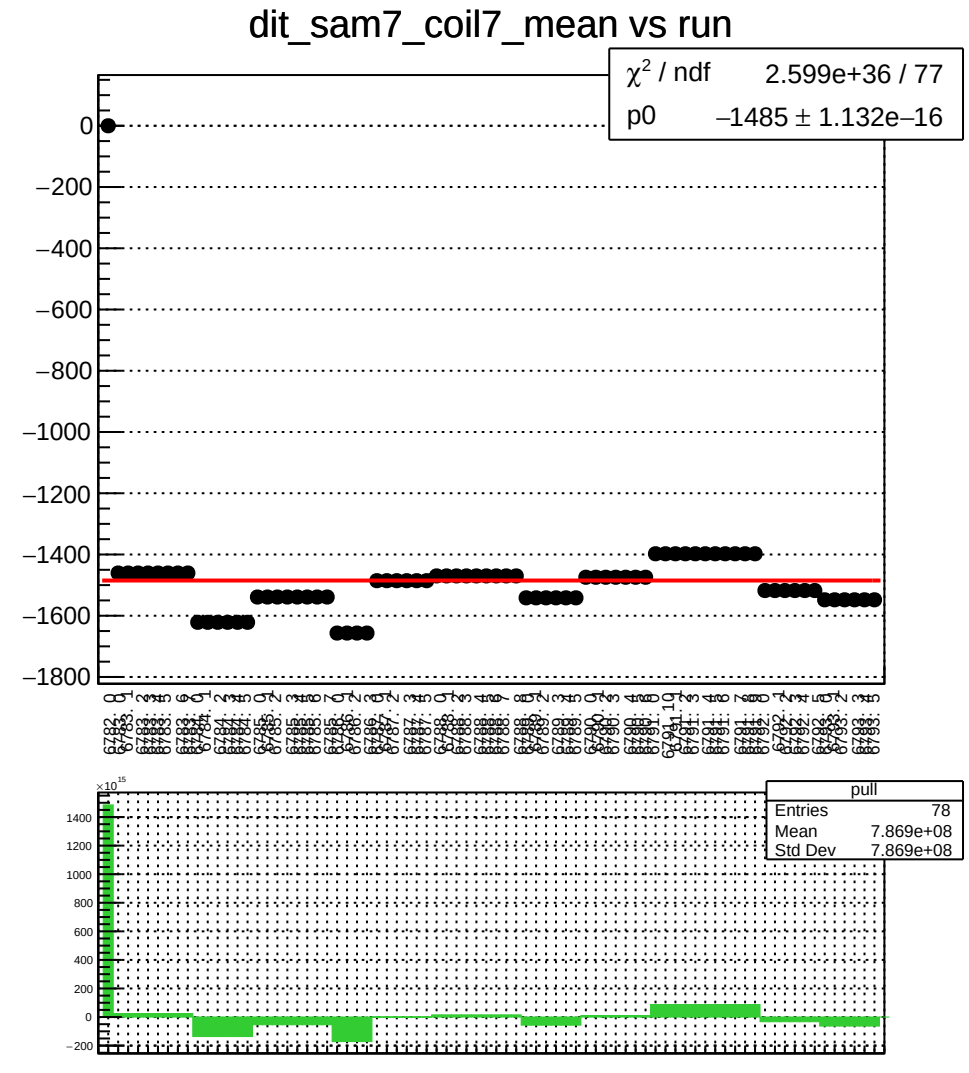

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

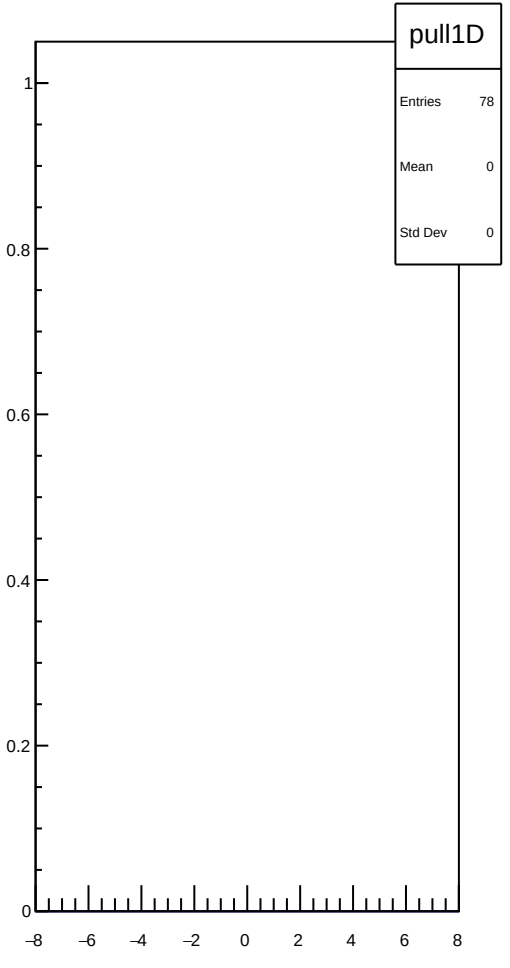

dit_sam6_coil7_err_mean vs run
χ² / ndf 6.555e+35 / 77
p0 384.9 ± 1.132e−16
pull
Entries 78
Mean −6.172e+09
Std Dev 6.172e+09

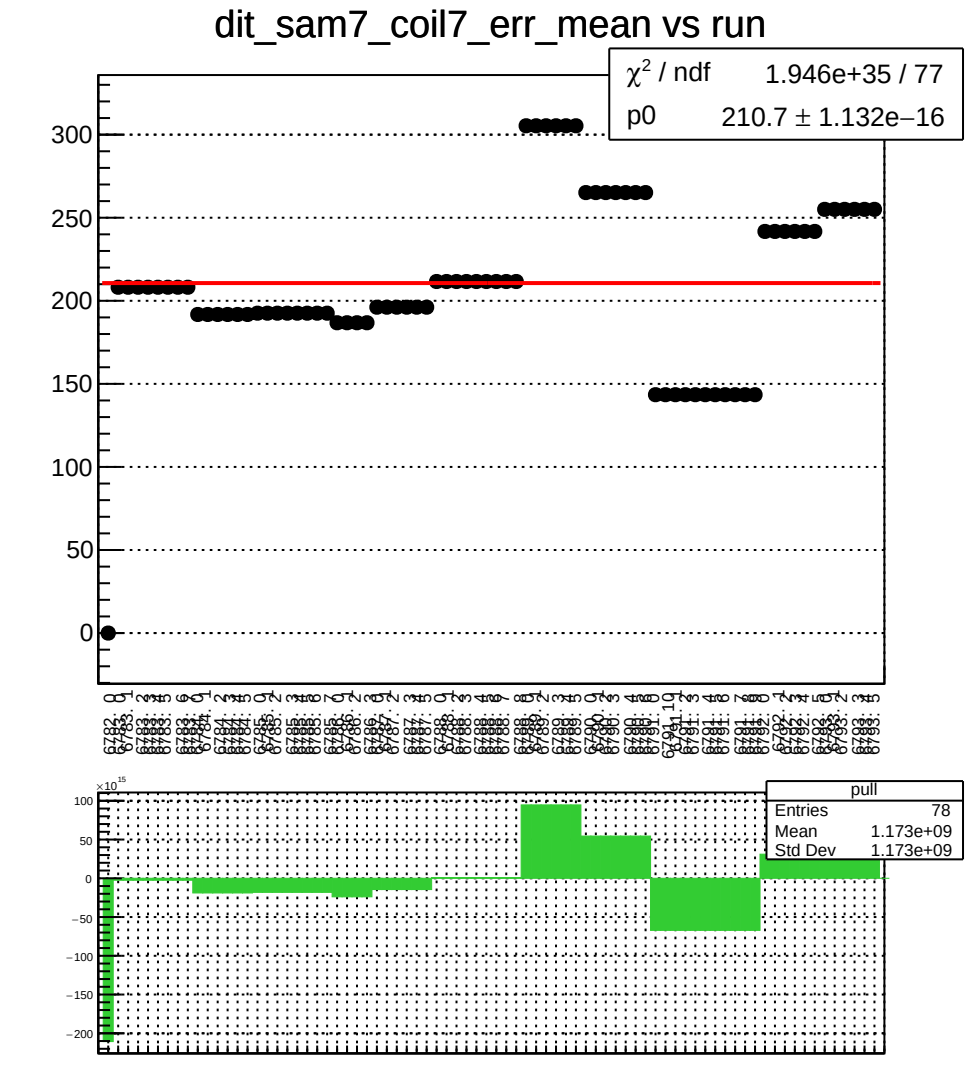

pull1D
Entries 78
Mean 0
Std Dev 0

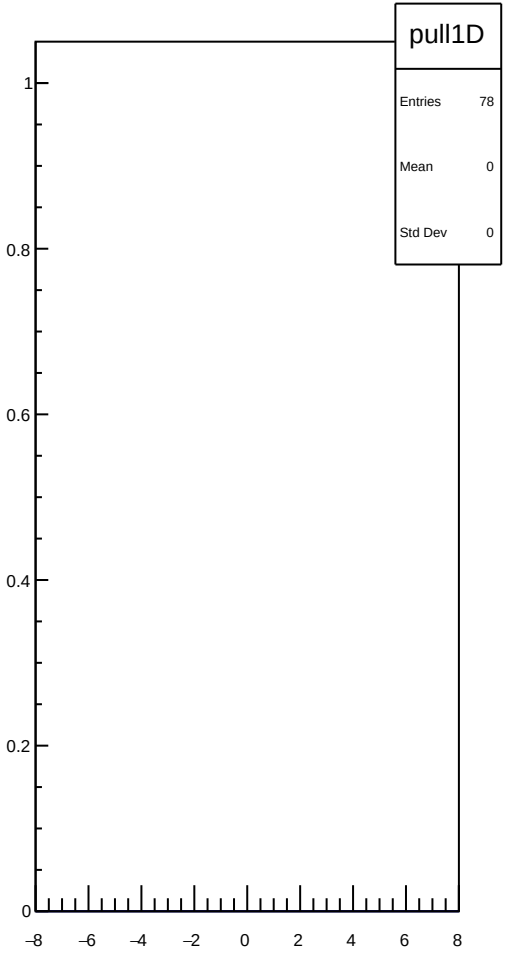

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

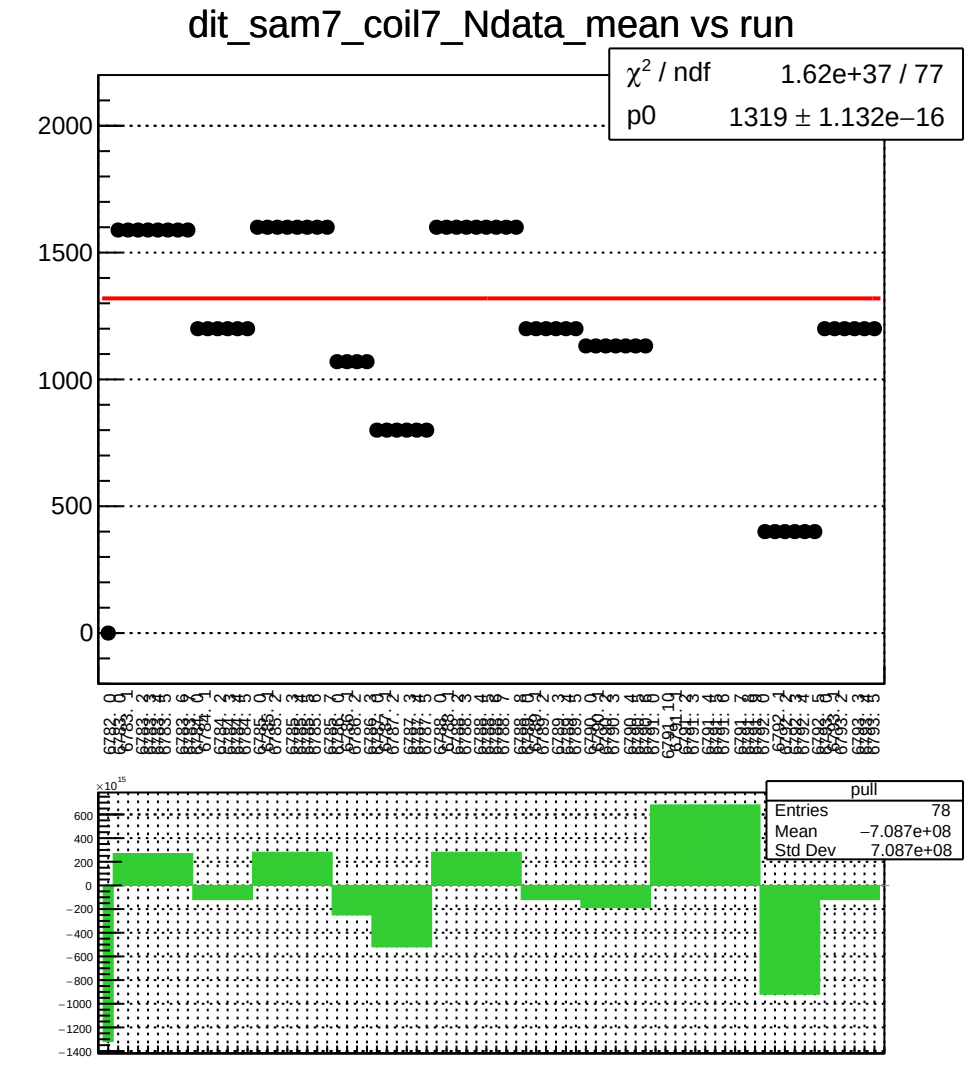

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

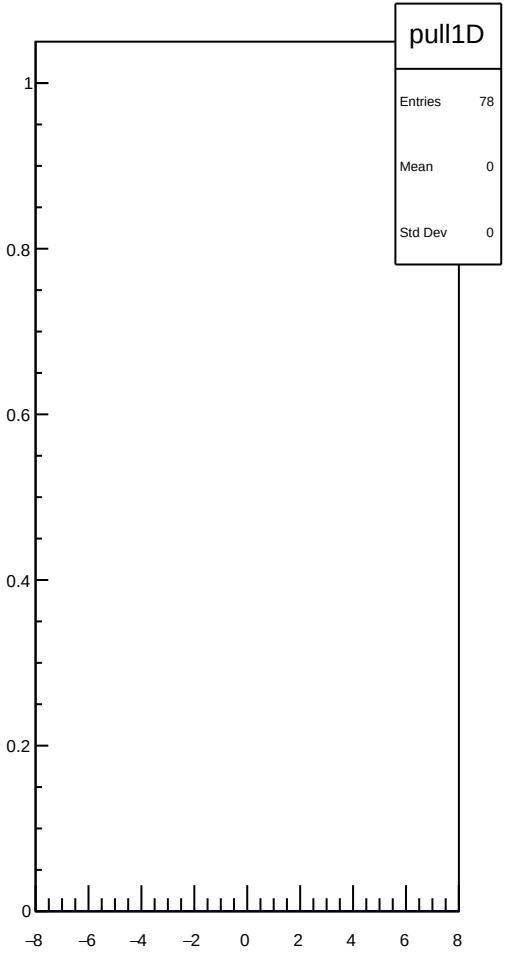

dit_sam7_coil7_mean vs run
χ² / ndf 2.599e+36 / 77
p0 −1485 ± 1.132e−16
pull
Entries 78
Mean 7.869e+08
Std Dev 7.869e+08

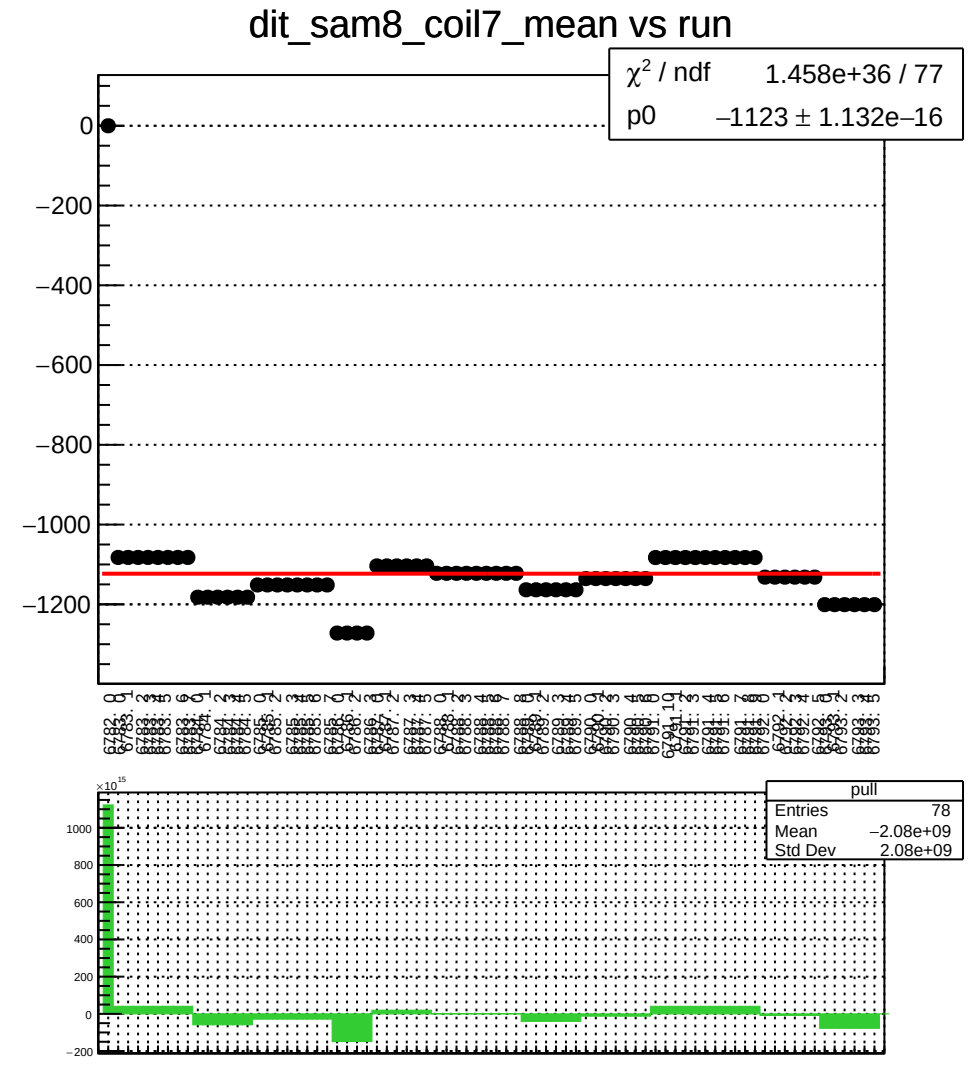

pull1D
Entries 78
Mean 0
Std Dev 0

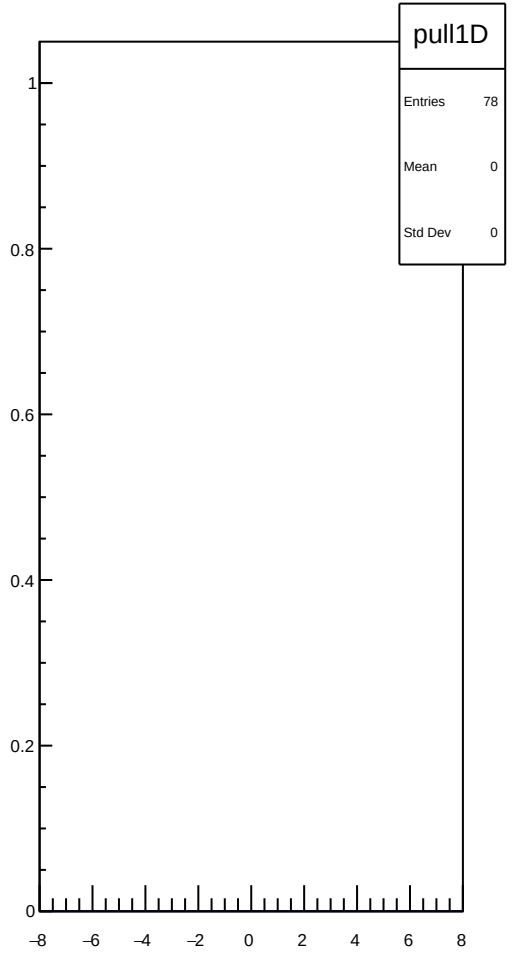

dit_sam7_coil7_err_mean vs run
χ² / ndf 1.946e+35 / 77
p0 210.7 ± 1.132e−16
300
250
200
150
100
50
0
pull
Entries 78
Mean 1.173e+09
Std Dev 1.173e+09
×10¹⁵
100
50
0
−50
−100
−150
−200

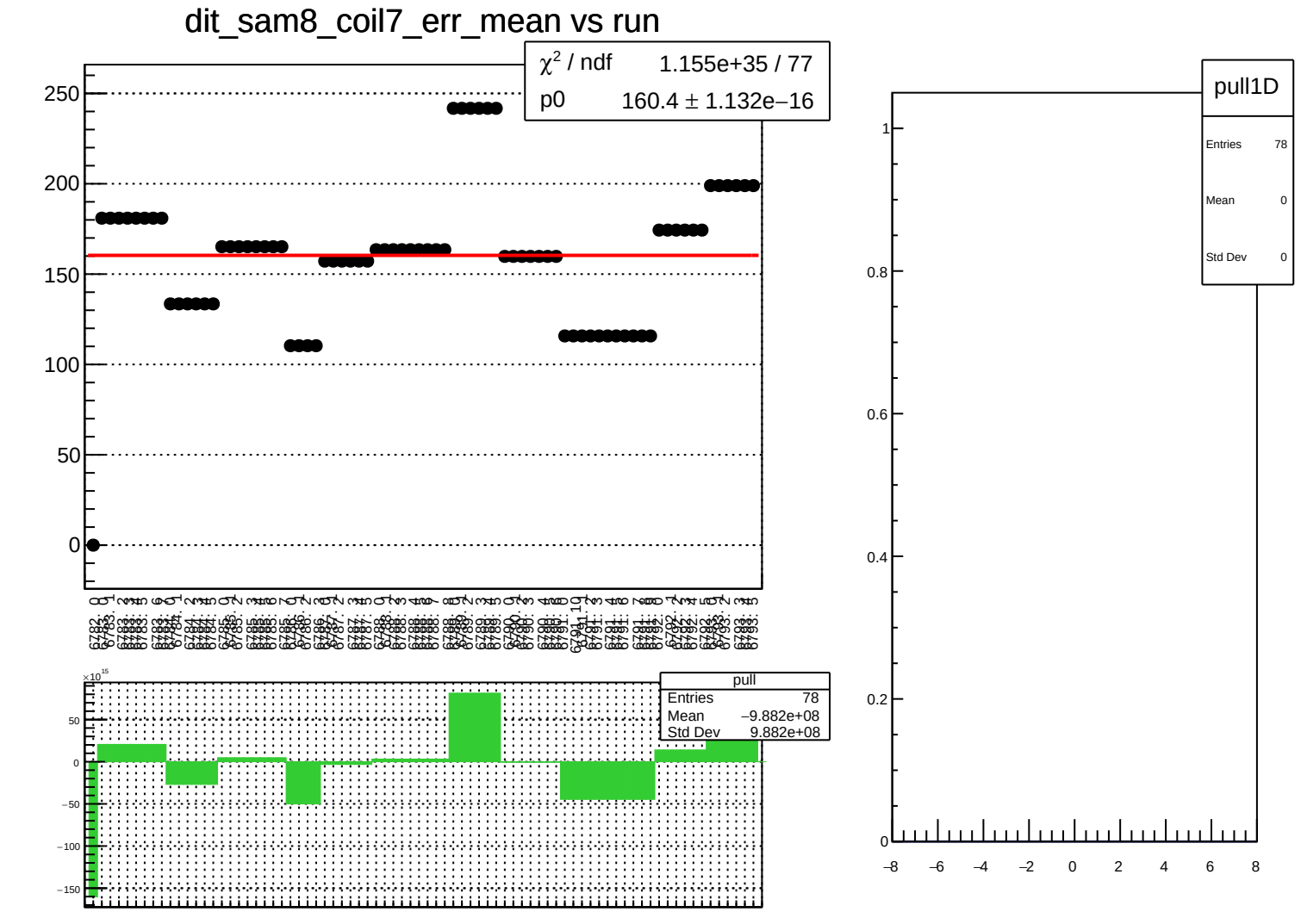

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

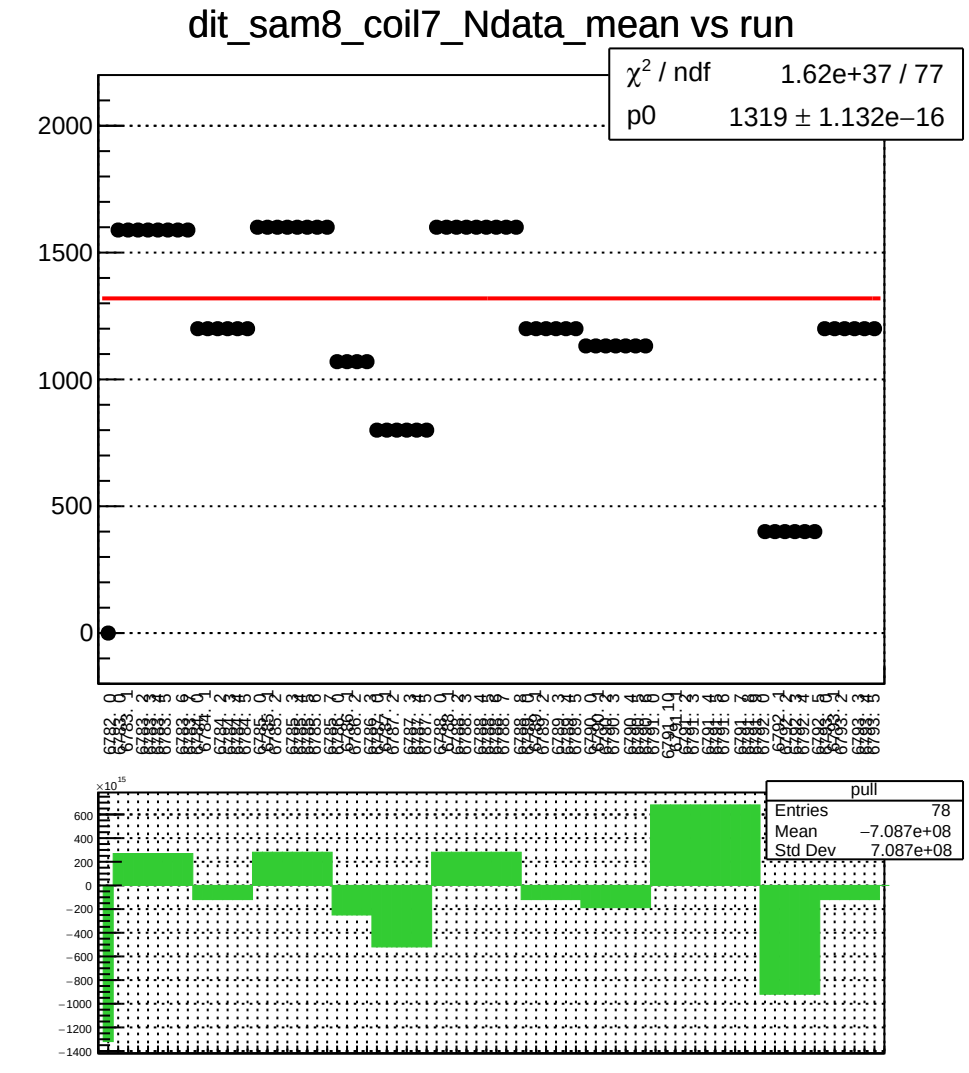

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

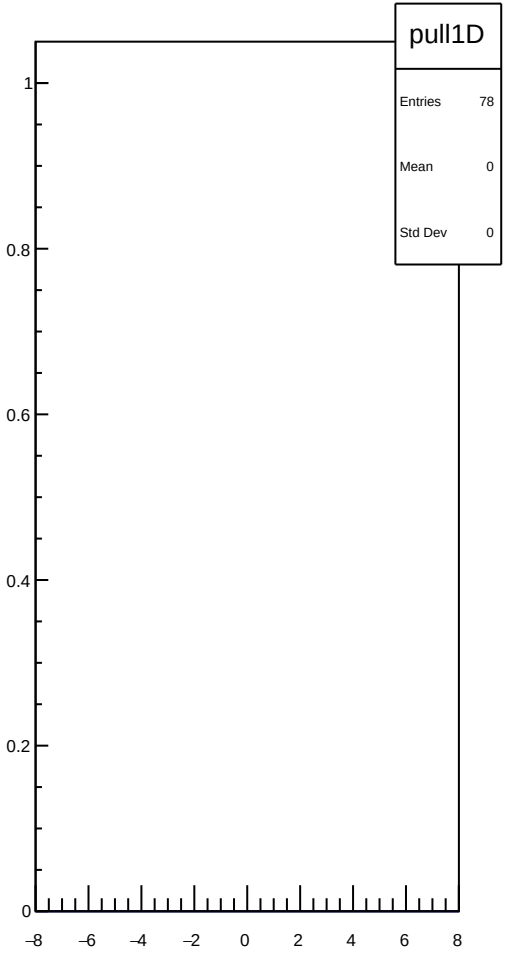

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

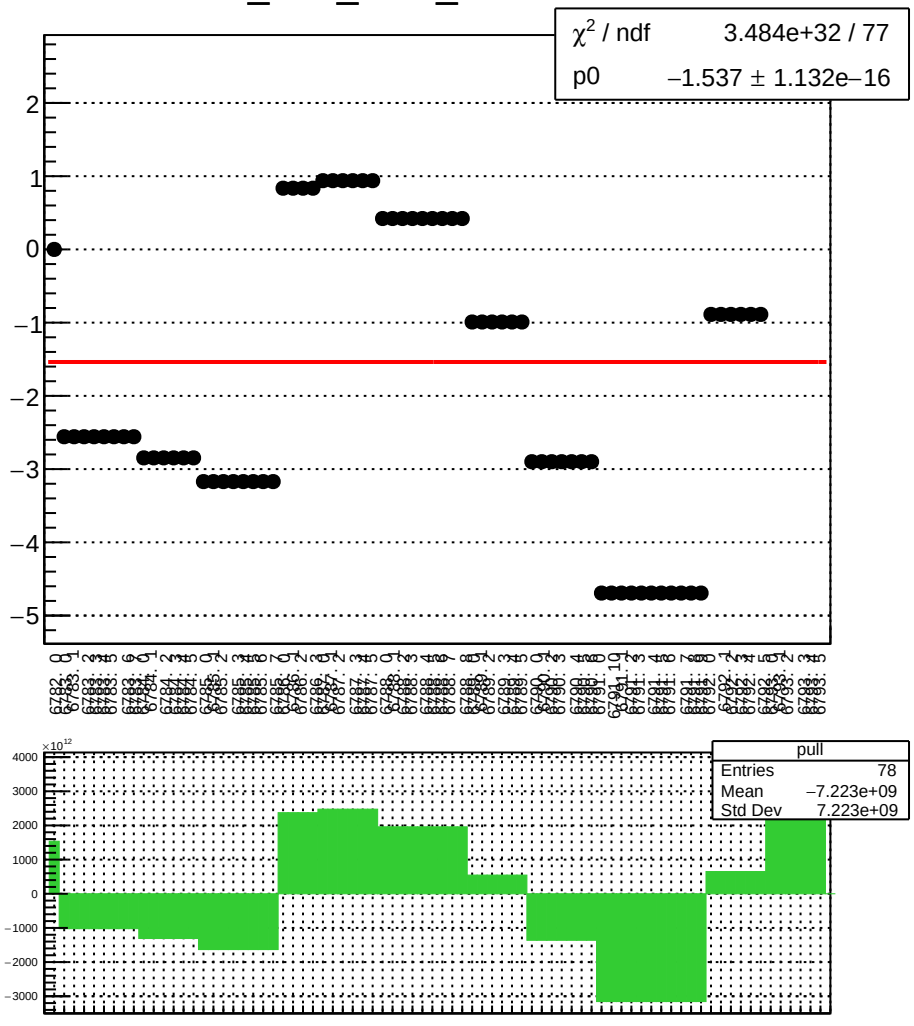

dit_sam8_coil7_mean vs run
χ² / ndf 1.458e+36 / 77
p0 −1123 ± 1.132e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 78
Mean −2.08e+09
Std Dev 2.08e+09
×10¹⁵
1000
800
600
400
200
0
−200

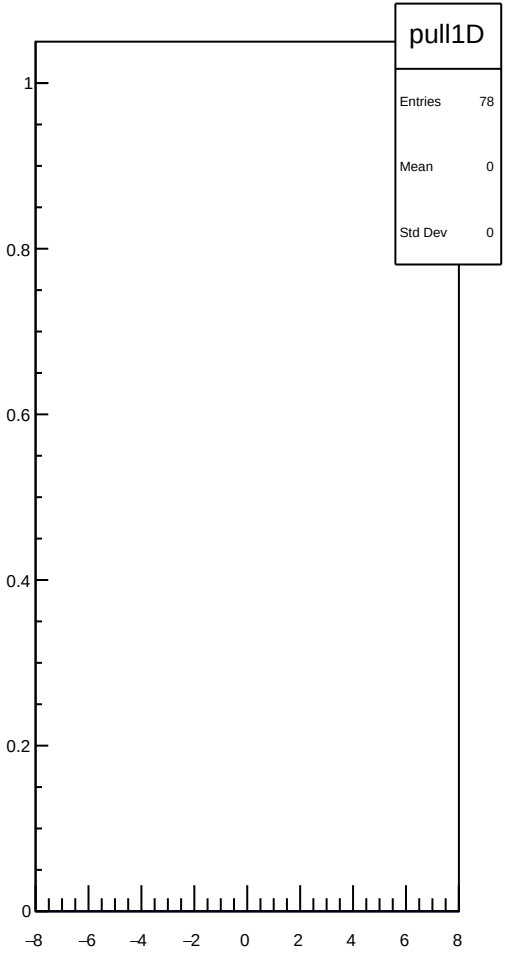

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

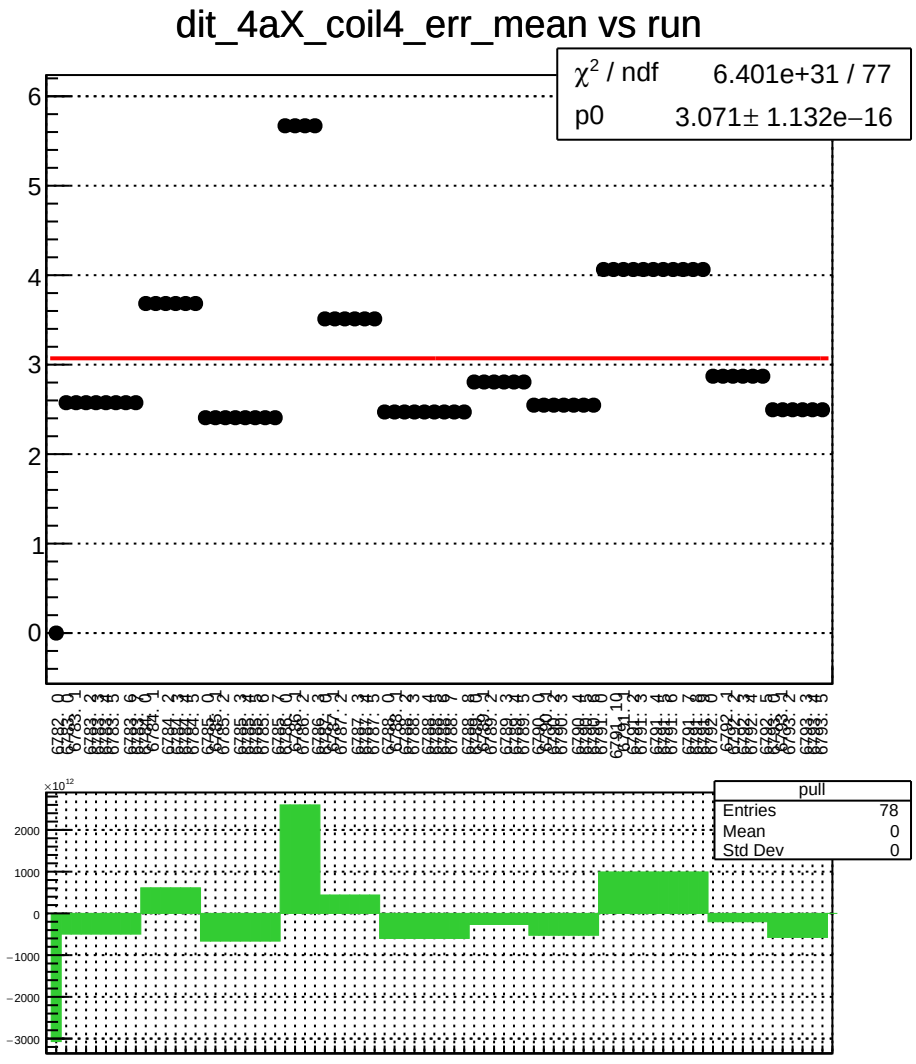

dit_sam8_coil7_err_mean vs run
χ² / ndf 1.155e+35 / 77
p0 160.4 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean −9.882e+08
Std Dev 9.882e+08
×10¹⁵
50
0
−50
−100
−150
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

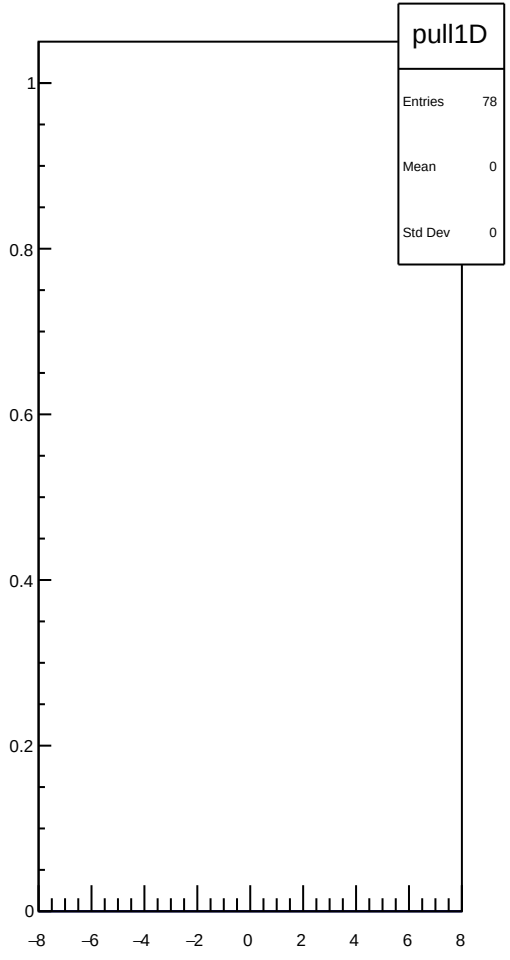

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.62e+37 / 77
p0 1319 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −7.087e+08
Std Dev 7.087e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

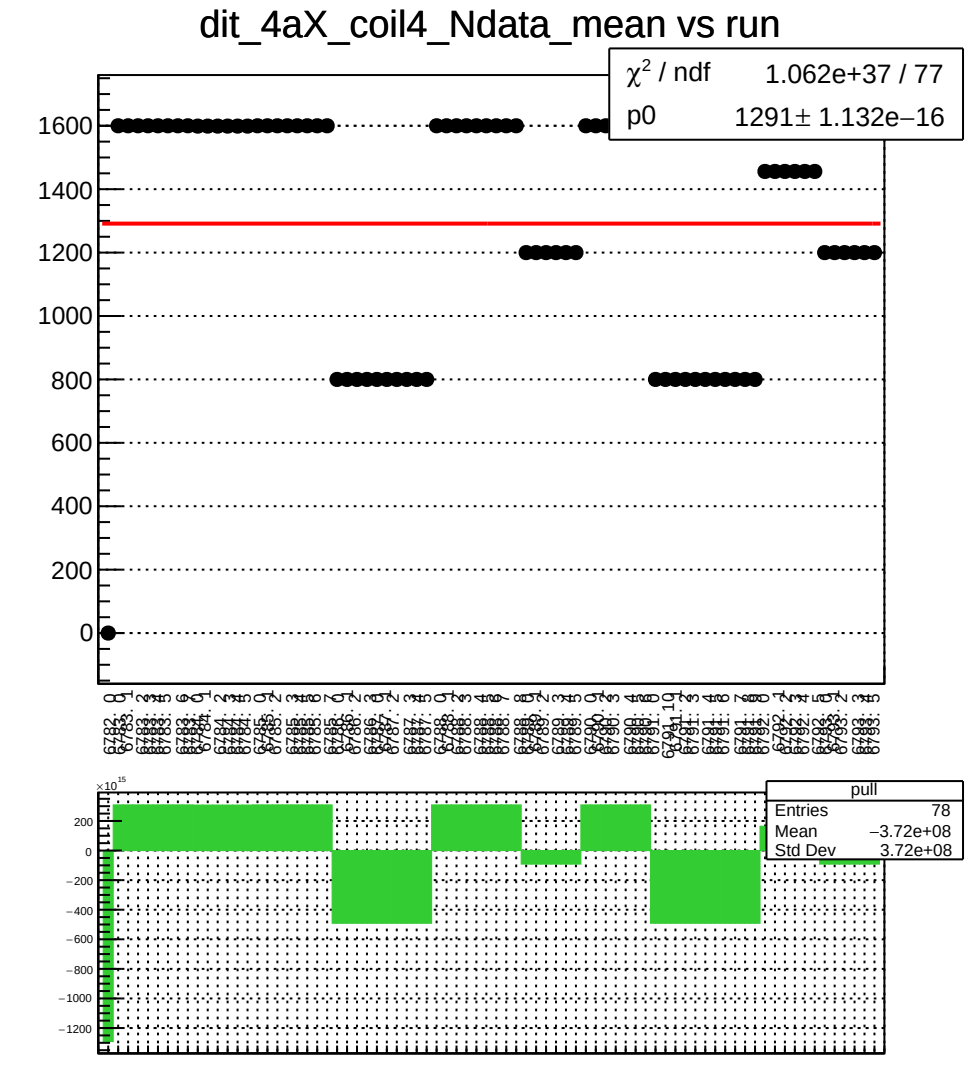

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

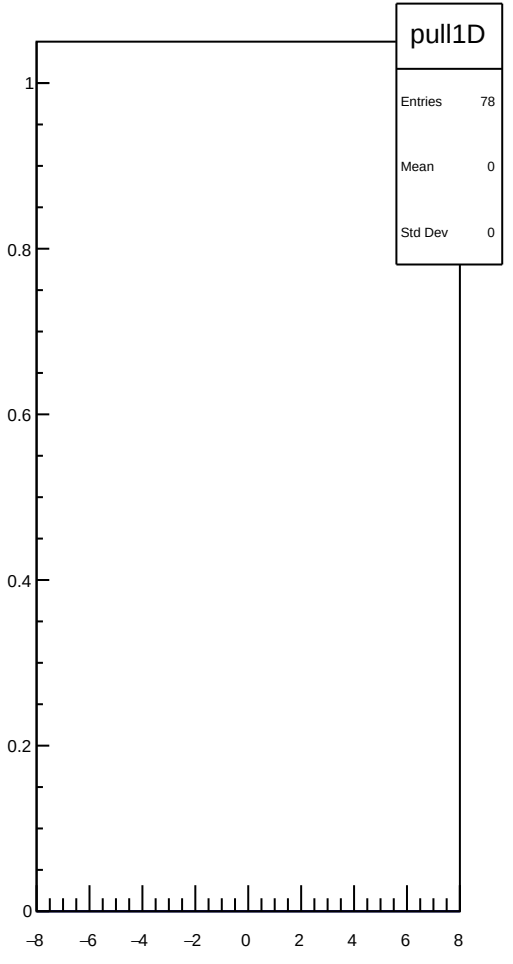

dit_4aX_coil4_mean vs run
χ² / ndf 3.484e+32 / 77
p0 −1.537 ± 1.132e−16
pull
Entries 78
Mean −7.223e+09
Std Dev 7.223e+09
×10¹²

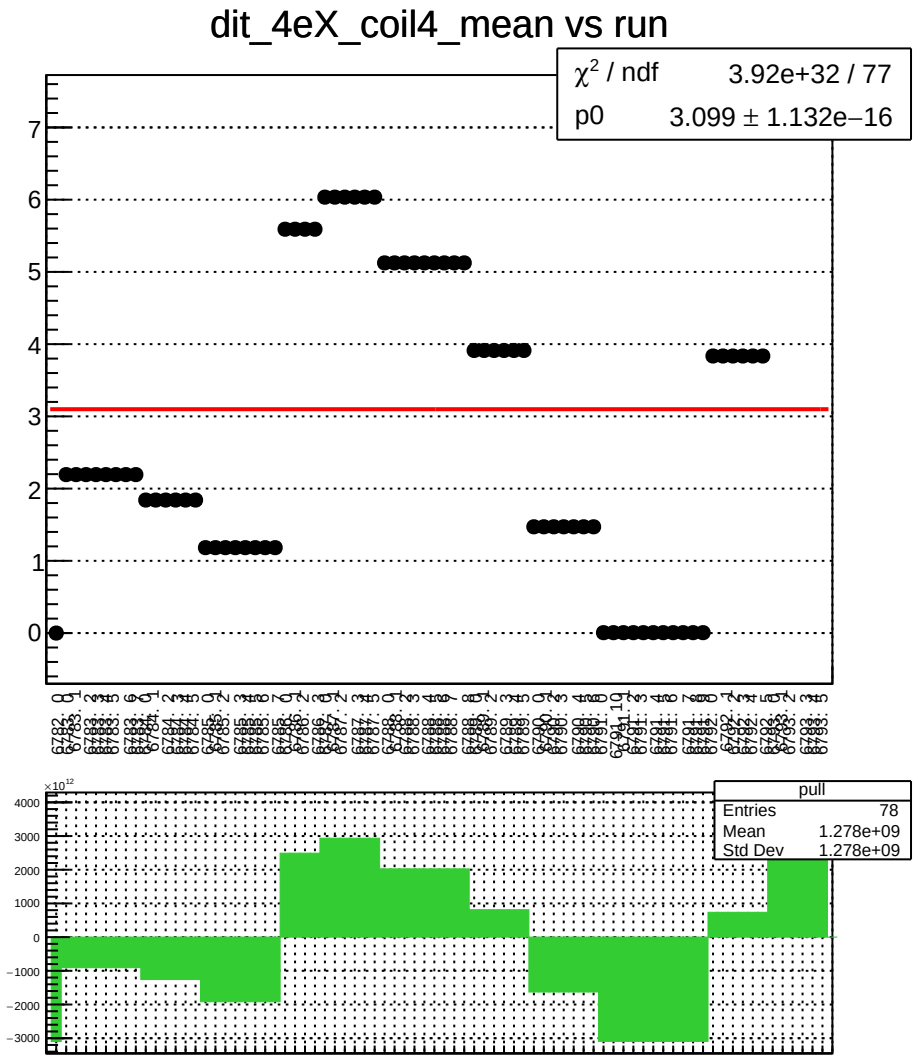

pull1D
Entries 78
Mean 0
Std Dev 0

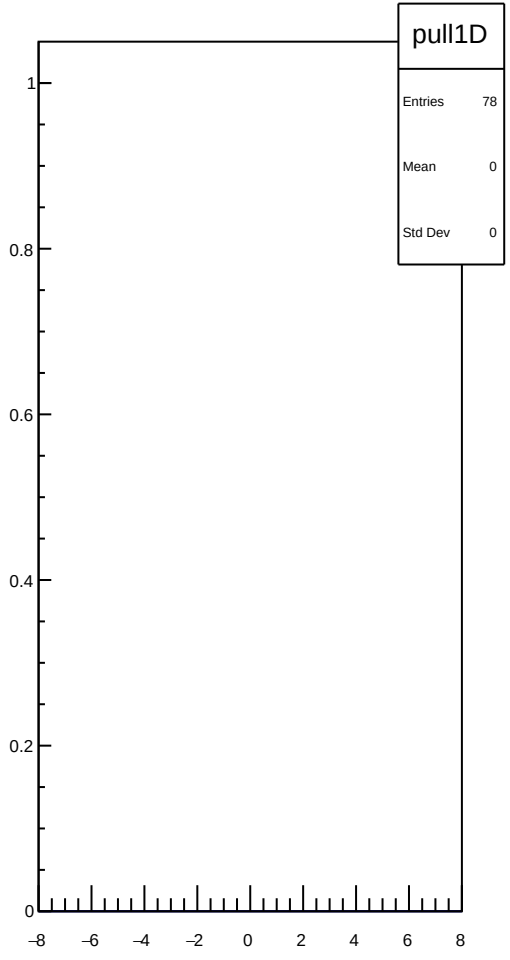

dit_4aX_coil4_err_mean vs run
χ² / ndf 6.401e+31 / 77
p0 3.071± 1.132e−16
pull
Entries 78
Mean 0
Std Dev 0

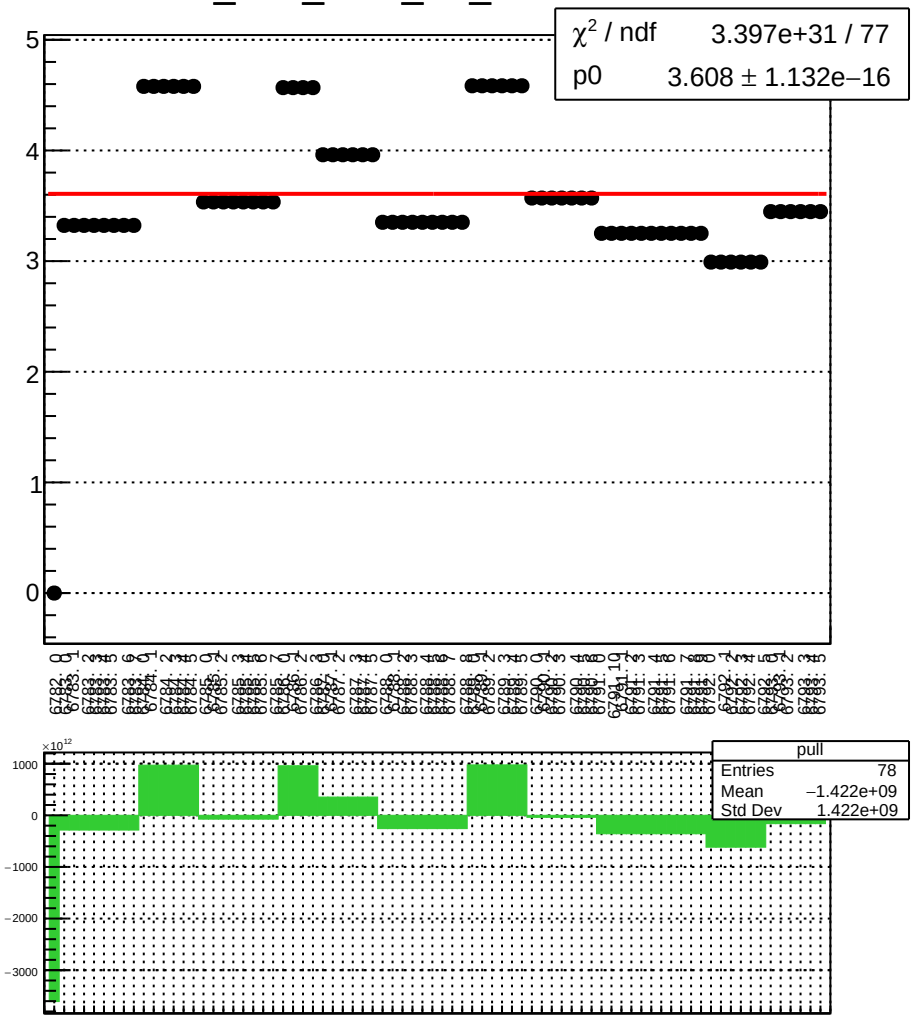

pull1D
Entries 78
Mean 0
Std Dev 0

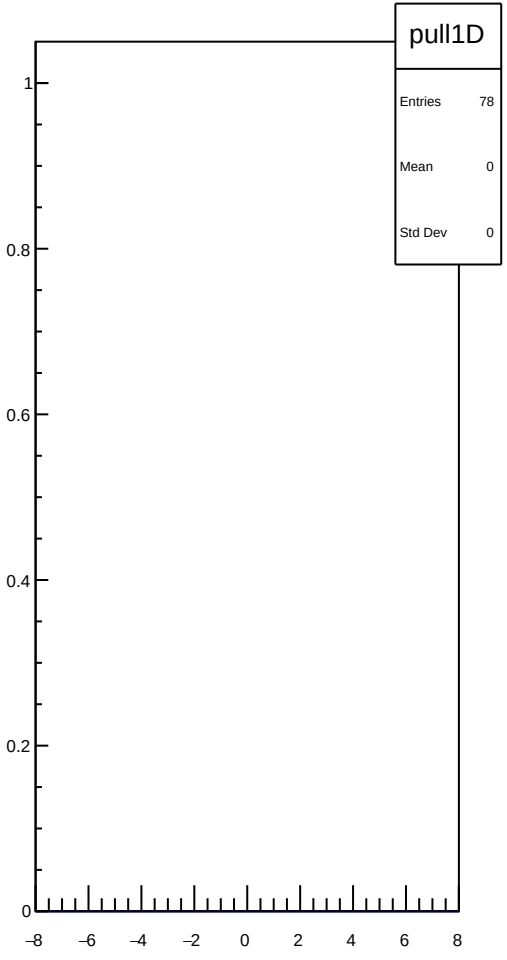

dit_4aX_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
×10¹⁵

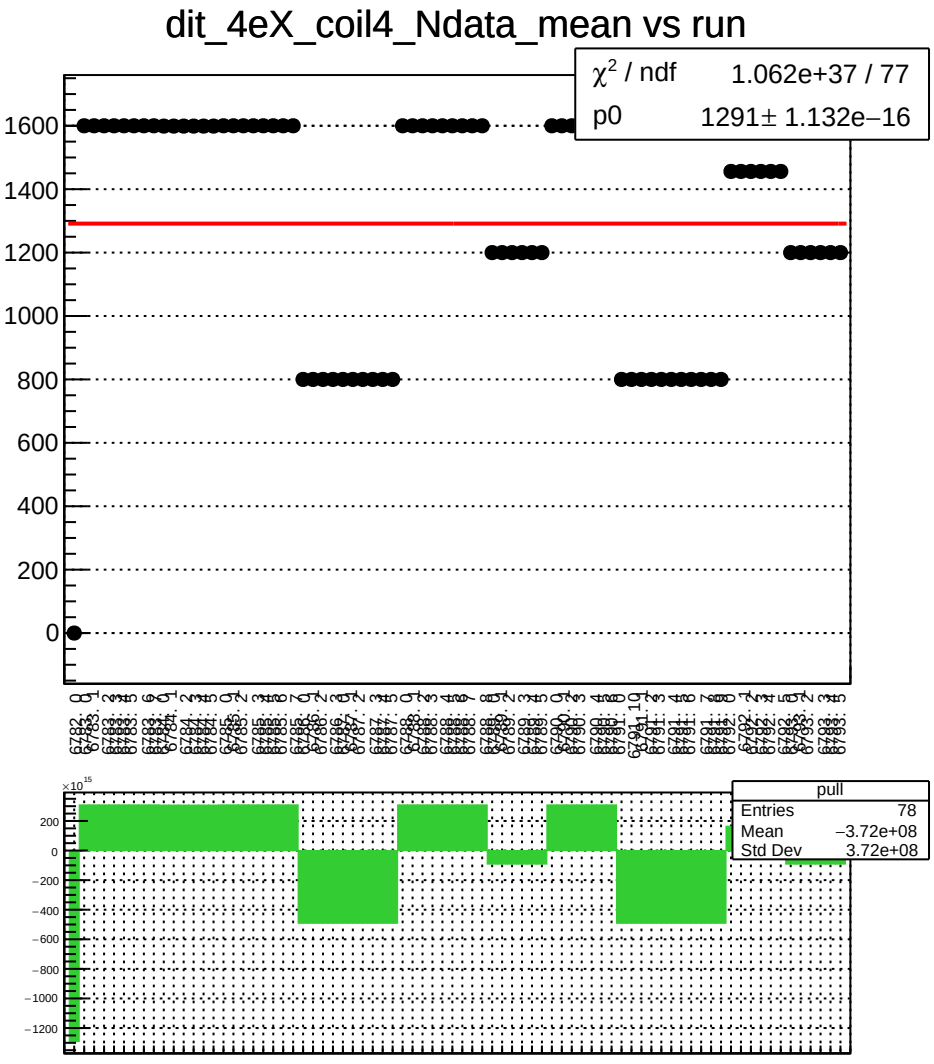

pull1D
Entries 78
Mean 0
Std Dev 0

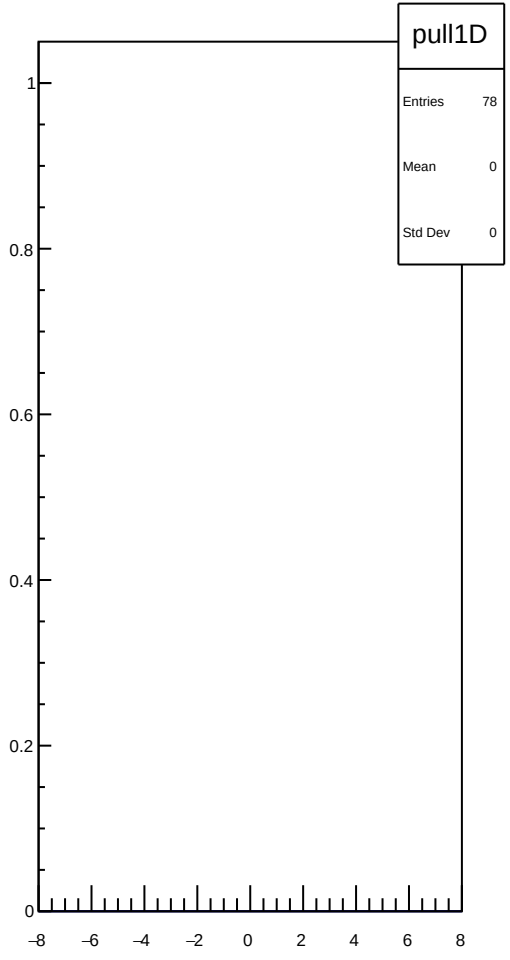

dit_4eX_coil4_mean vs run
χ² / ndf 3.92e+32 / 77
p0 3.099 ± 1.132e−16
pull
Entries 78
Mean 1.278e+09
Std Dev 1.278e+09
×10¹²

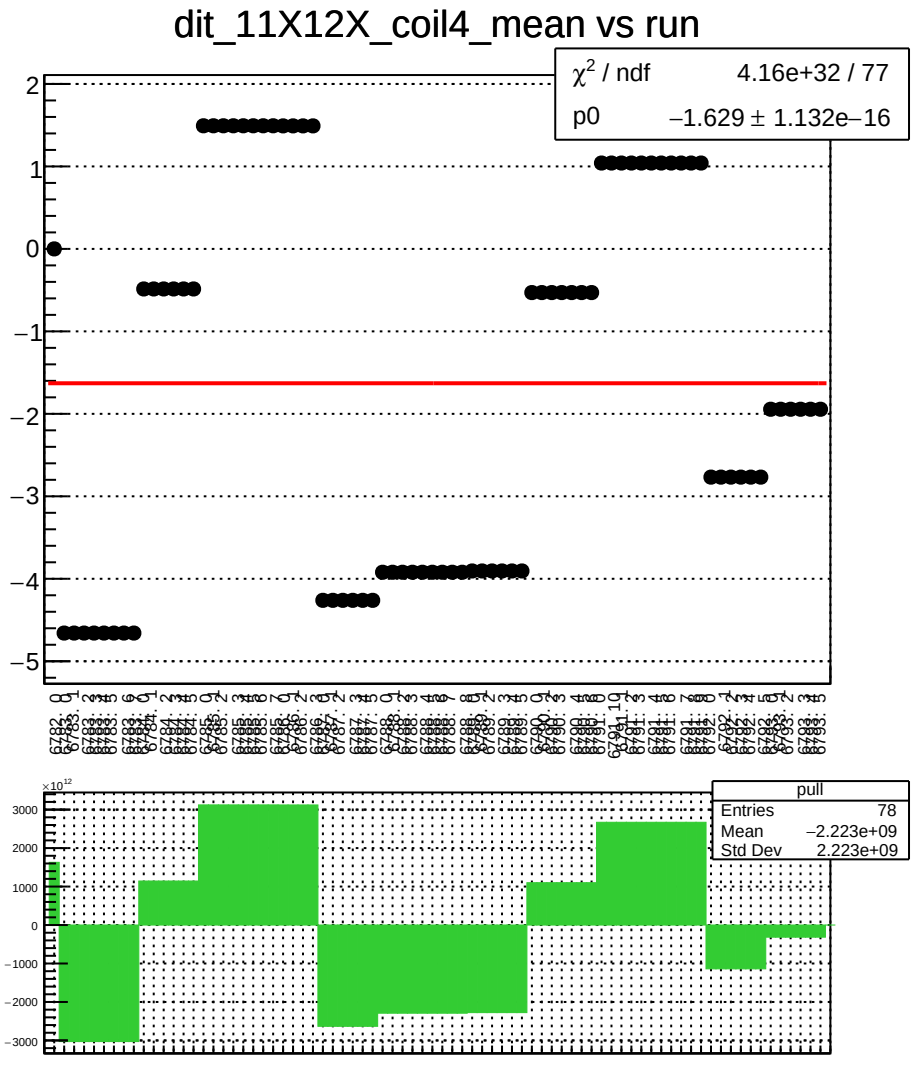

pull1D
Entries 78
Mean 0
Std Dev 0

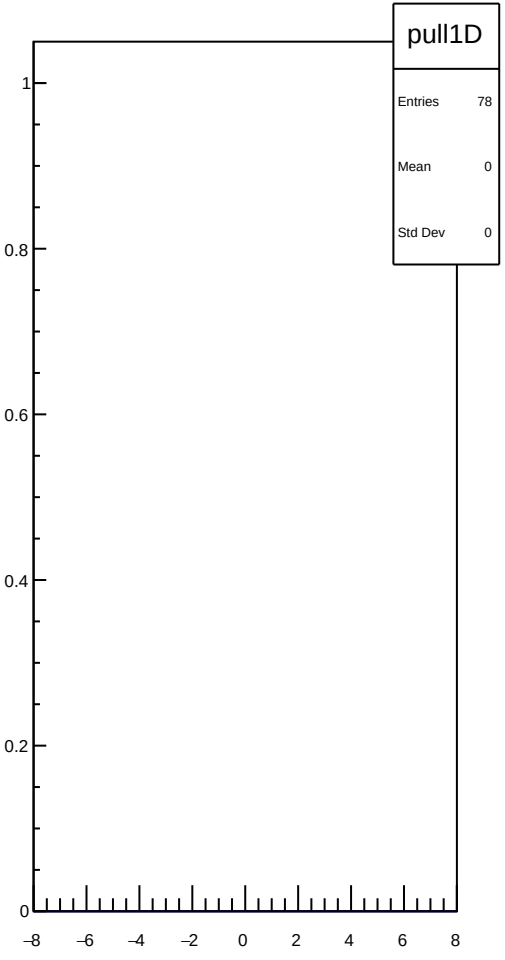

dit_4eX_coil4_err_mean vs run
χ² / ndf 3.397e+31 / 77
p0 3.608 ± 1.132e−16
pull
Entries 78
Mean −1.422e+09
Std Dev 1.422e+09

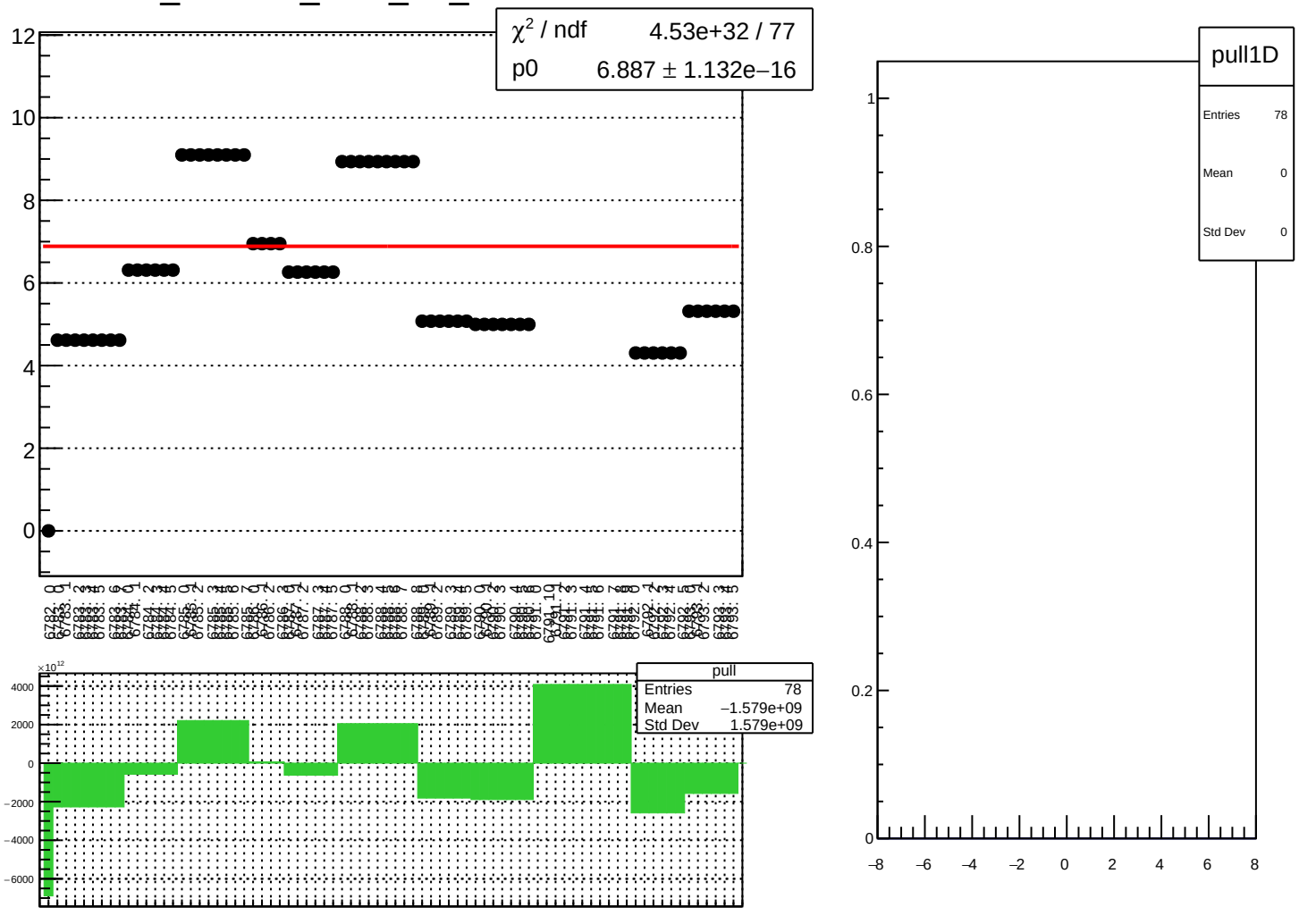

pull1D
Entries 78
Mean 0
Std Dev 0

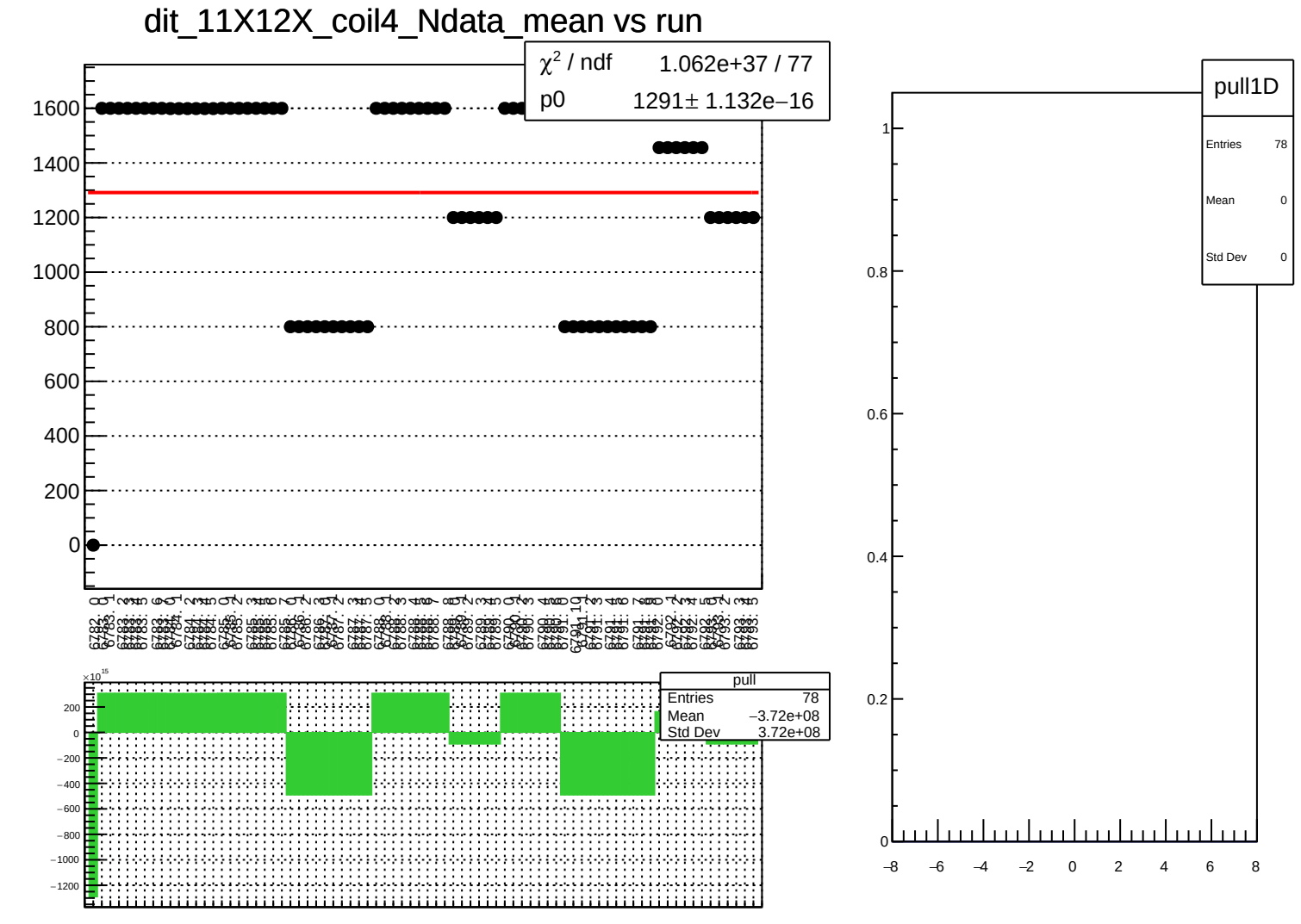

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

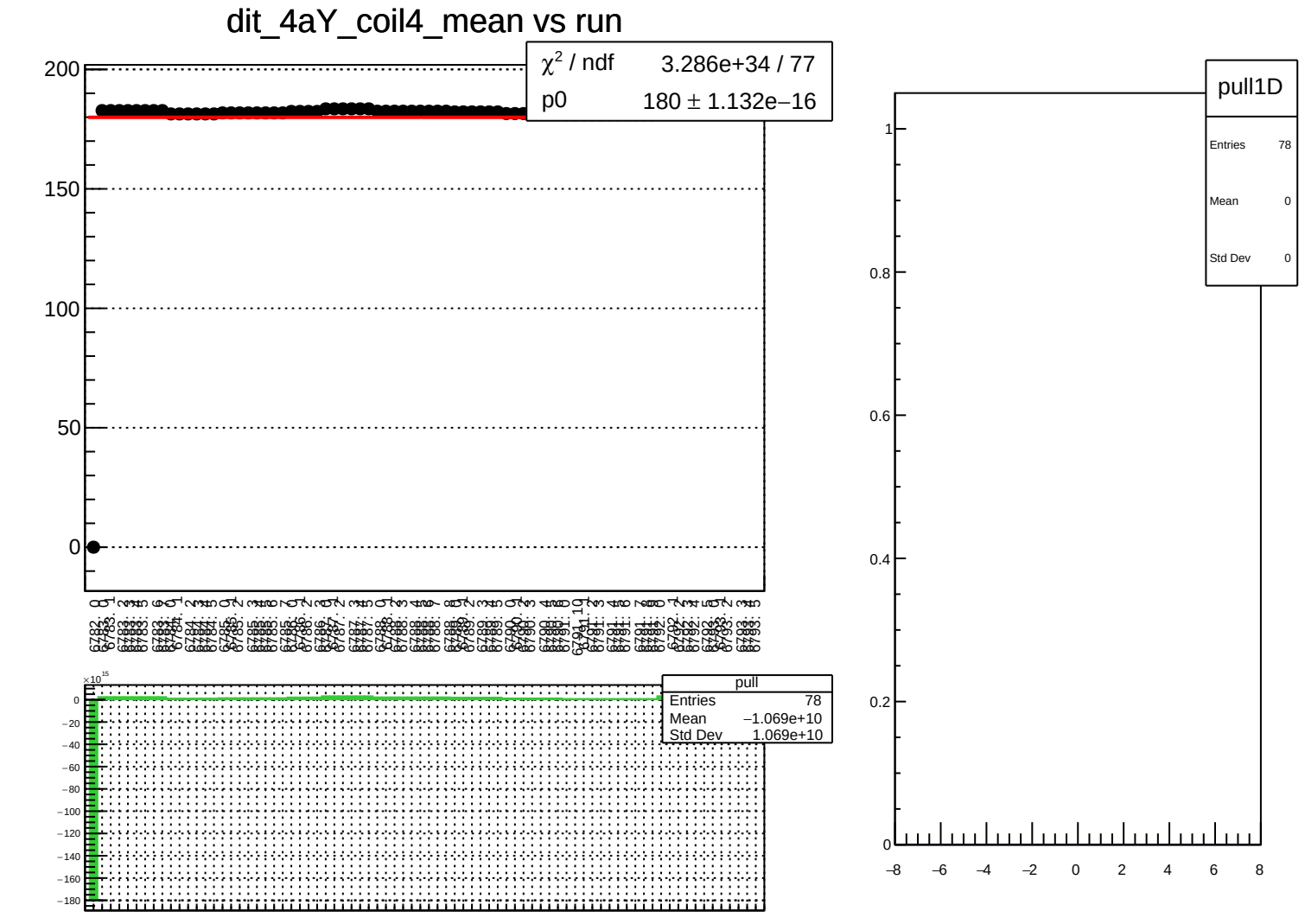

pull1D
Entries 78
Mean 0
Std Dev 0

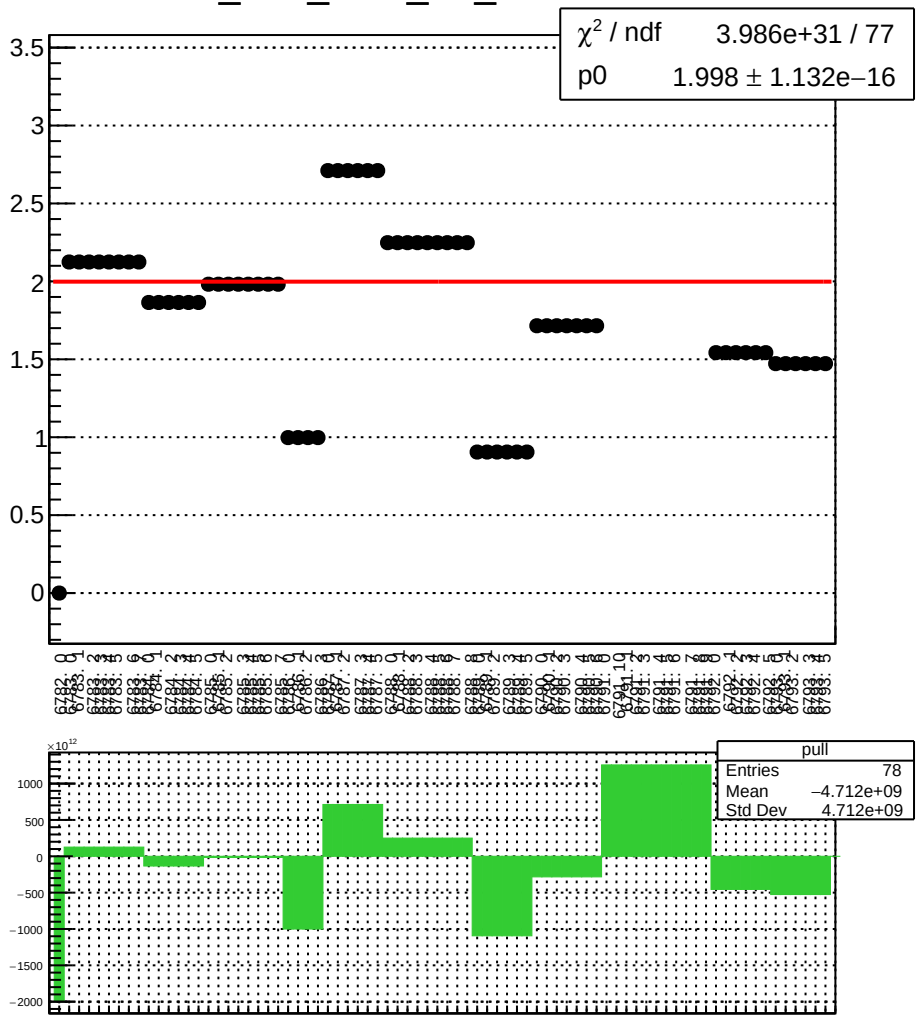

dit_11X12X_coil4_mean vs run
χ² / ndf 4.16e+32 / 77
p0 −1.629 ± 1.132e−16
pull
Entries 78
Mean −2.223e+09
Std Dev 2.223e+09

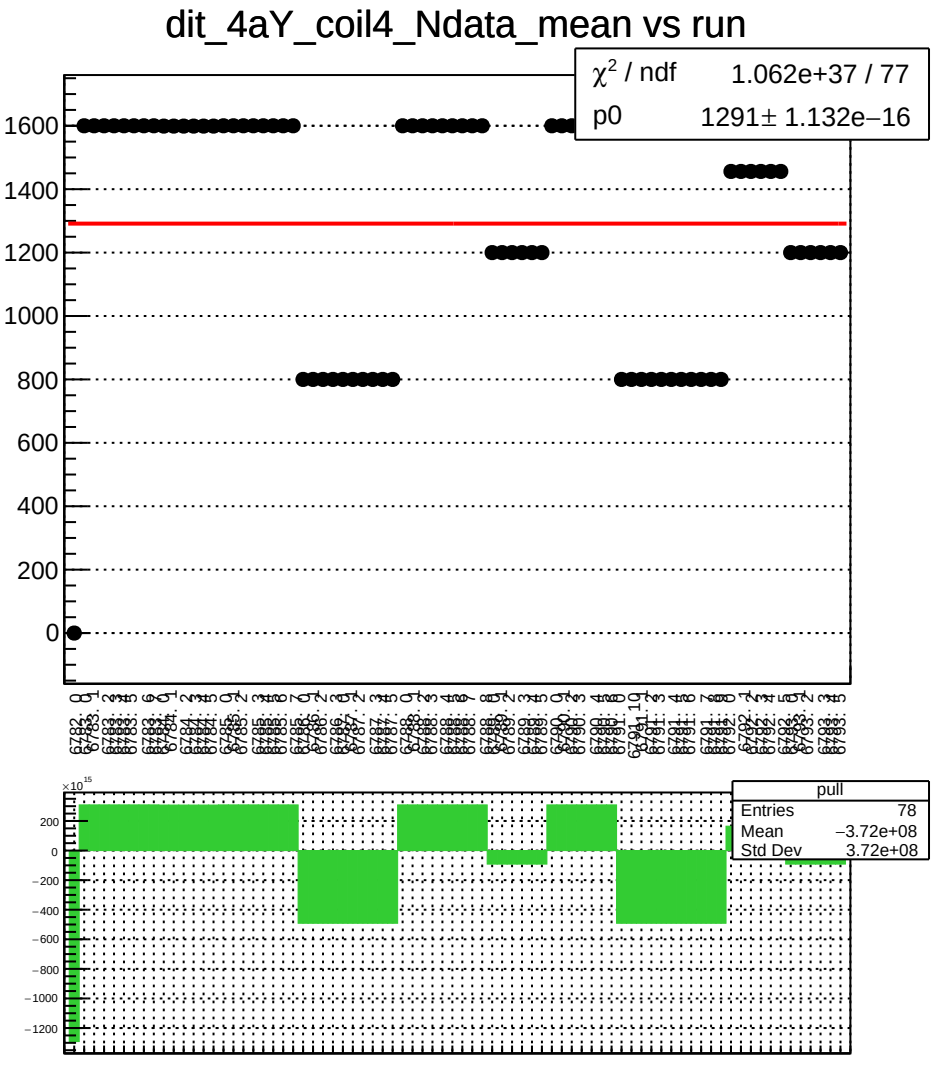

pull1D
Entries 78
Mean 0
Std Dev 0

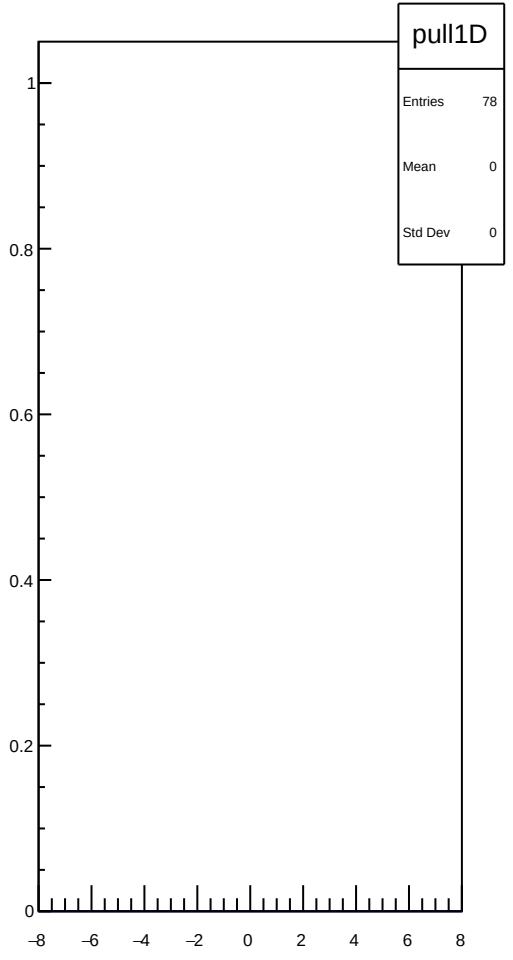

dit_11X12X_coil4_err_mean vs run
χ² / ndf 4.53e+32 / 77
p0 6.887 ± 1.132e−16
pull
Entries 78
Mean −1.579e+09
Std Dev 1.579e+09
pull1D
Entries 78
Mean 0
Std Dev 0

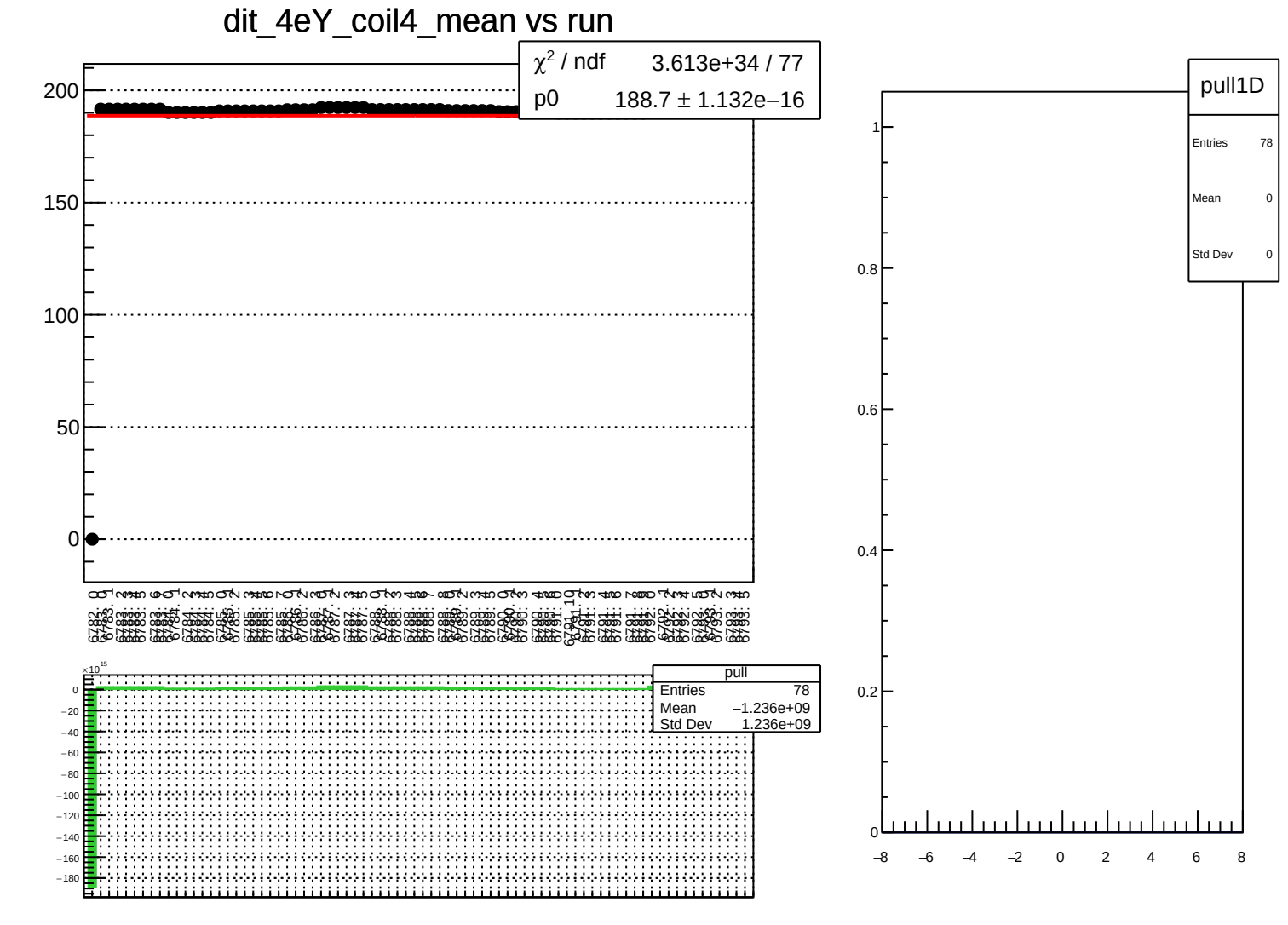

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

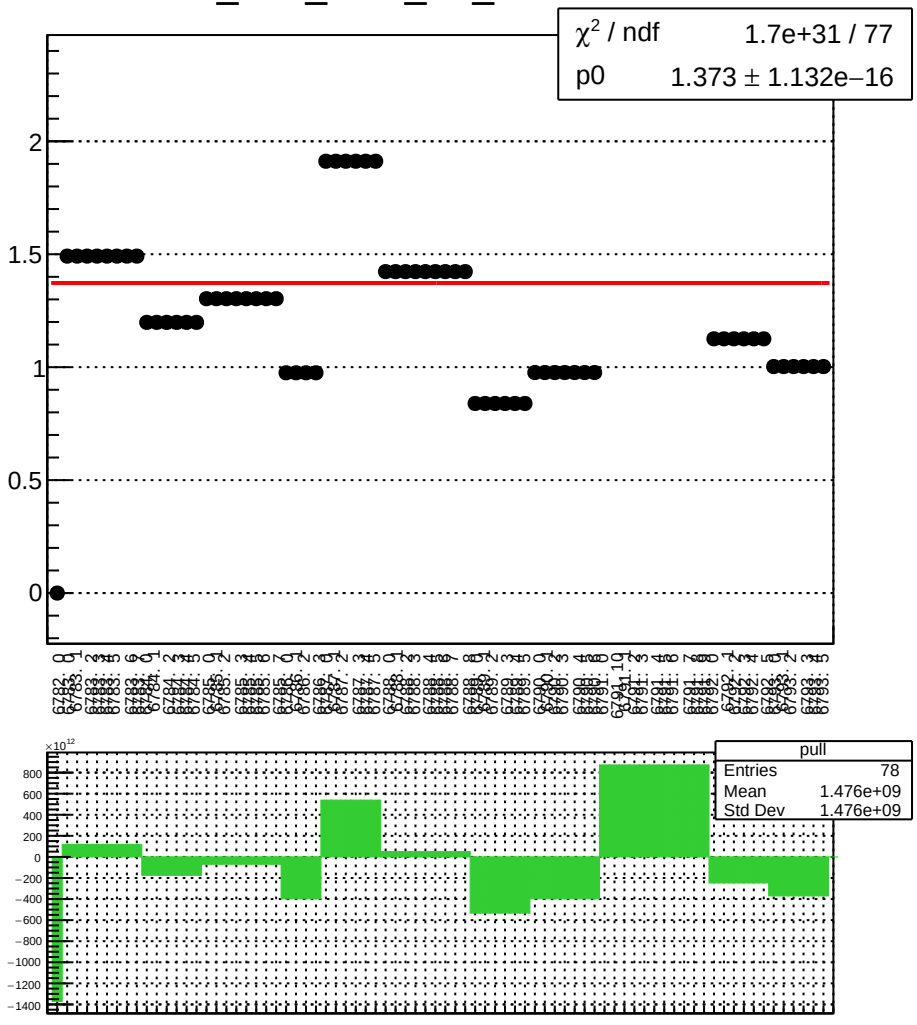

dit_4aY_coil4_mean vs run
χ² / ndf 3.286e+34 / 77
p0 180 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean −1.069e+10
Std Dev 1.069e+10
×10¹⁵
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

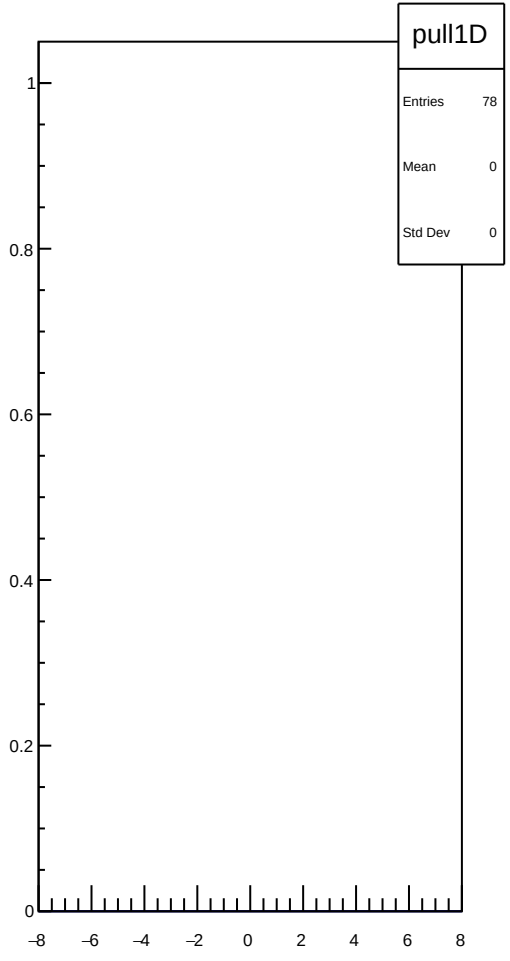

dit_4aY_coil4_err_mean vs run
χ² / ndf 3.986e+31 / 77
p0 1.998 ± 1.132e−16
pull
Entries 78
Mean −4.712e+09
Std Dev 4.712e+09
pull1D
Entries 78
Mean 0
Std Dev 0

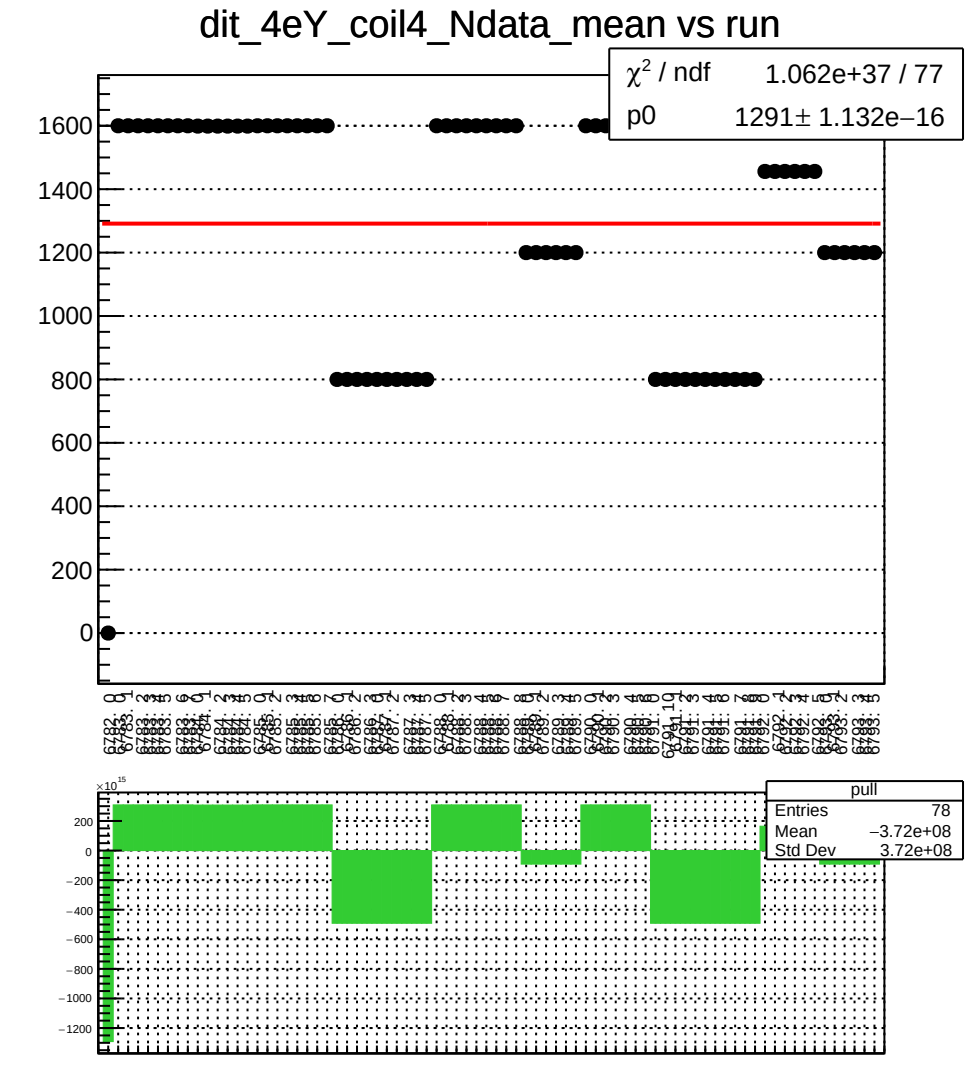

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

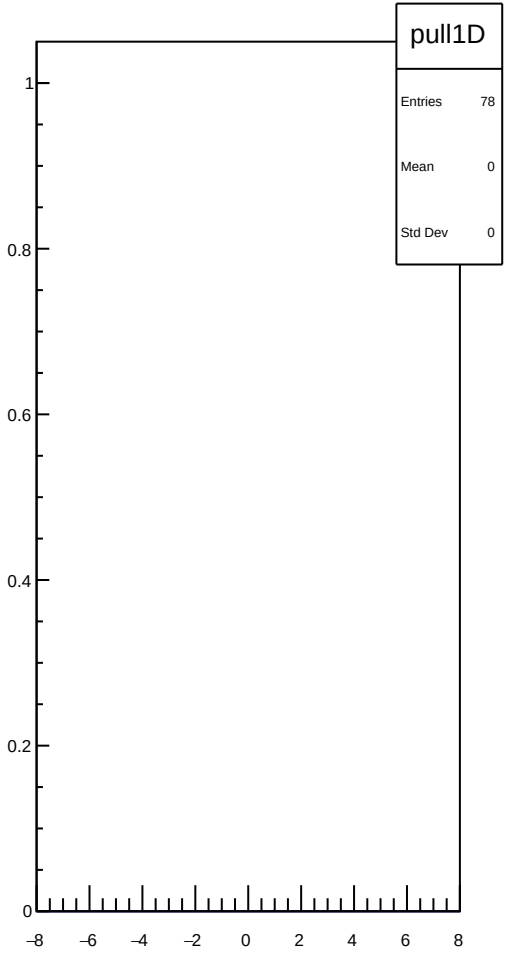

pull1D
Entries 78
Mean 0
Std Dev 0

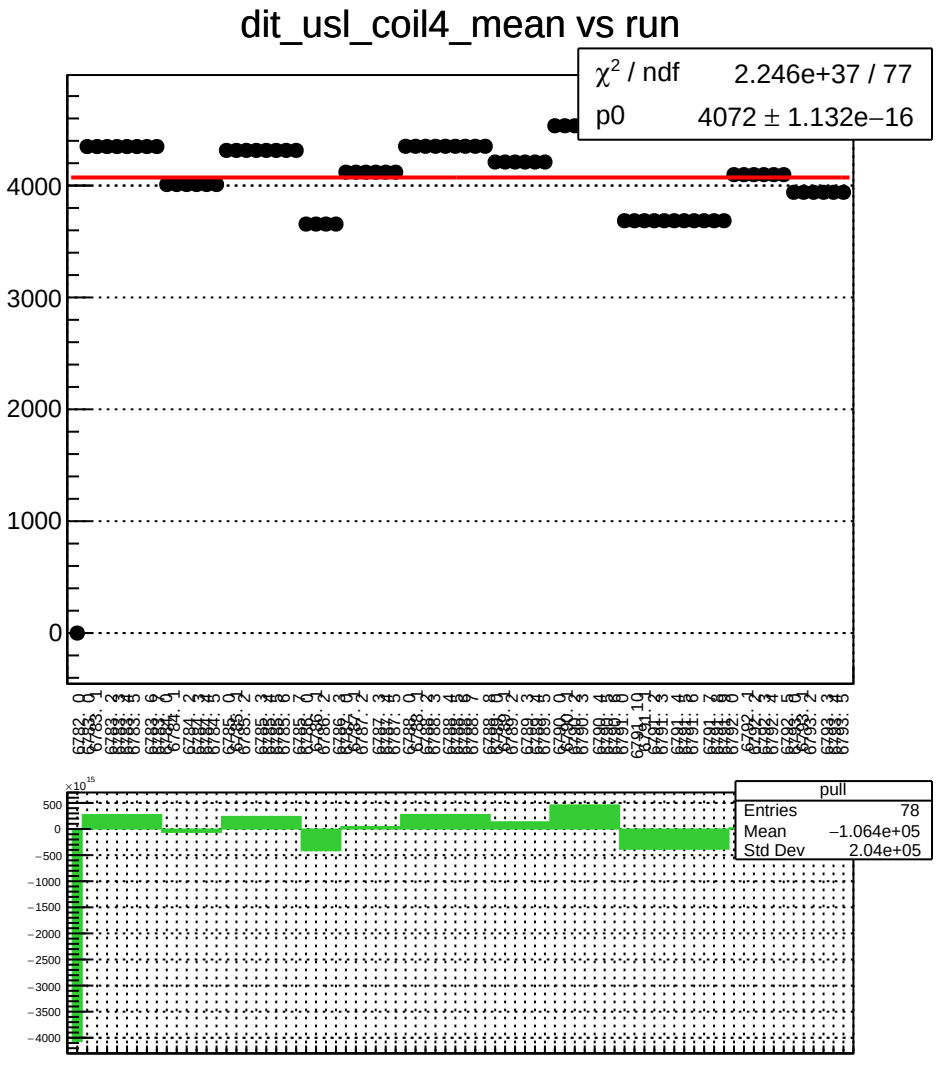

dit_4eY_coil4_mean vs run
χ² / ndf 3.613e+34 / 77
p0 188.7 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean −1.236e+09
Std Dev 1.236e+09
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

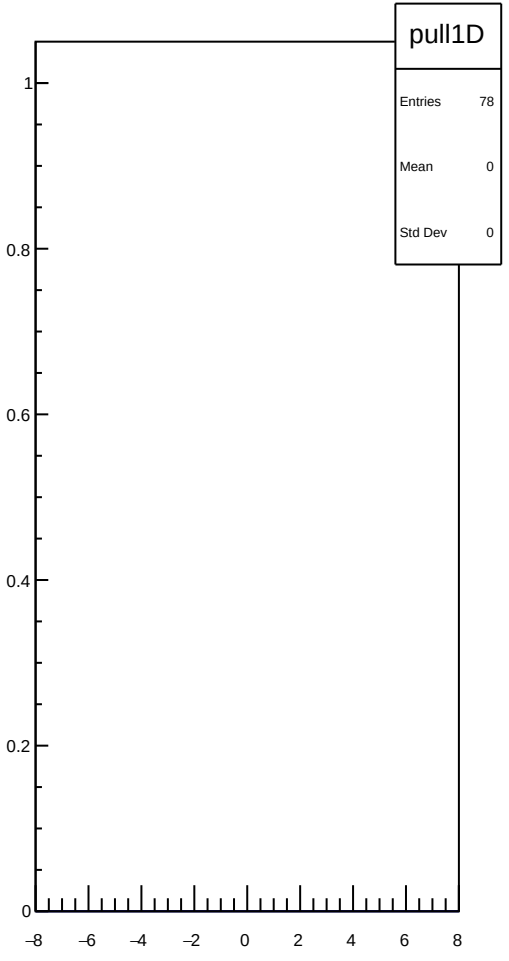

dit_4eY_coil4_err_mean vs run
χ² / ndf 1.7e+31 / 77
p0 1.373 ± 1.132e−16
pull
Entries 78
Mean 1.476e+09
Std Dev 1.476e+09

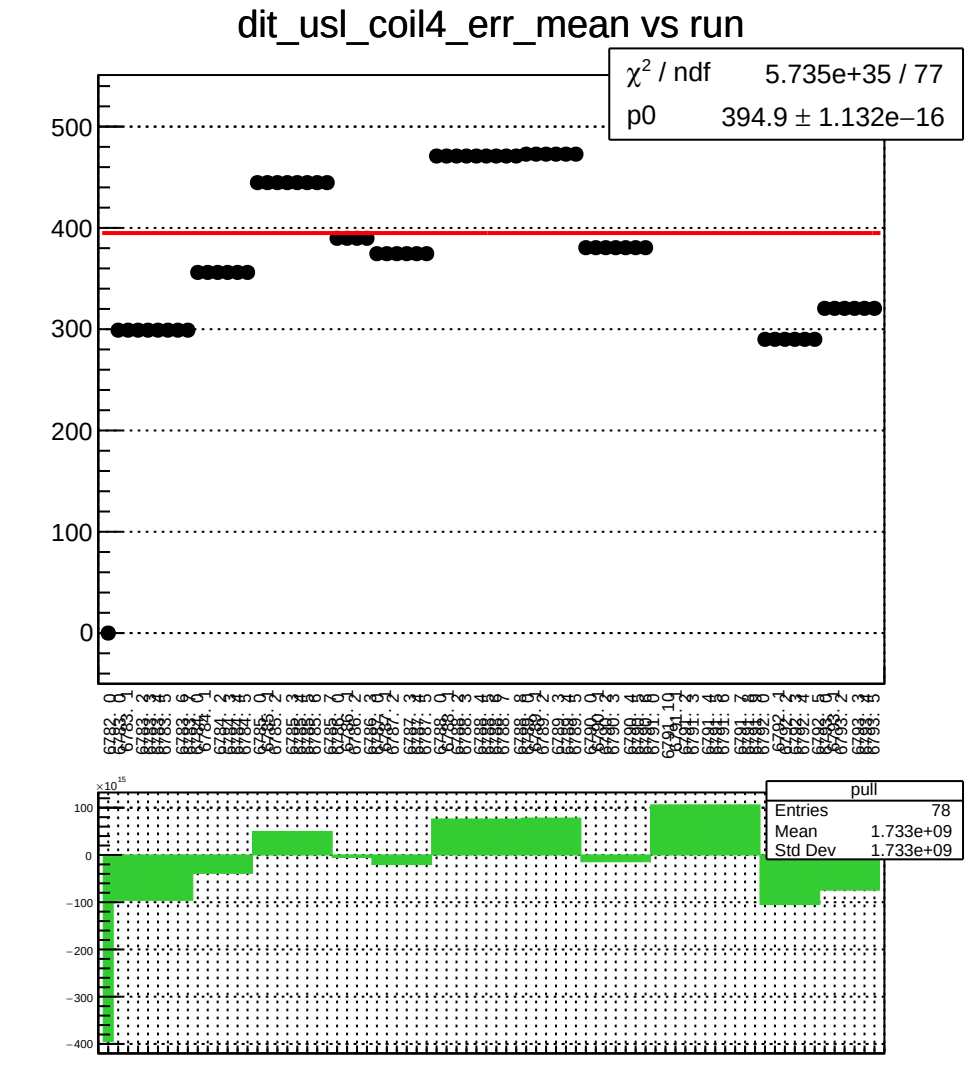

pull1D
Entries 78
Mean 0
Std Dev 0

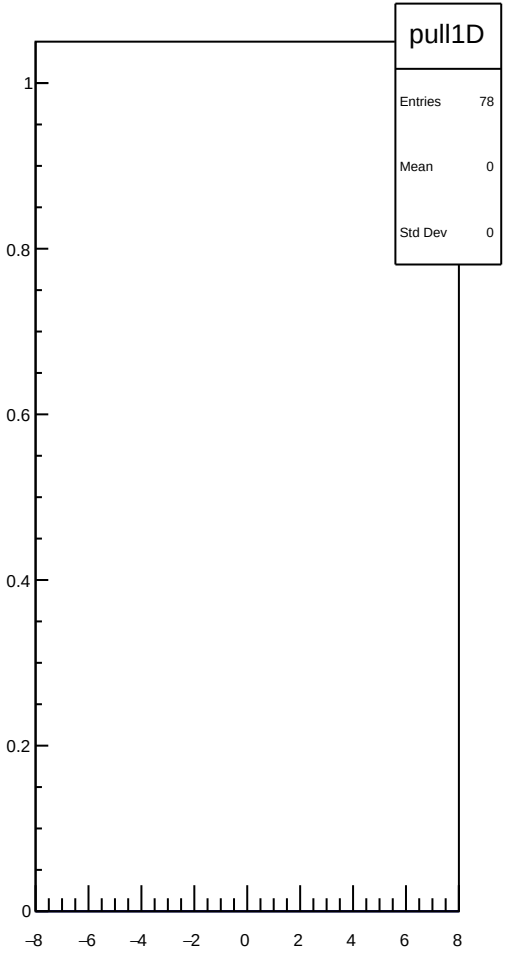

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

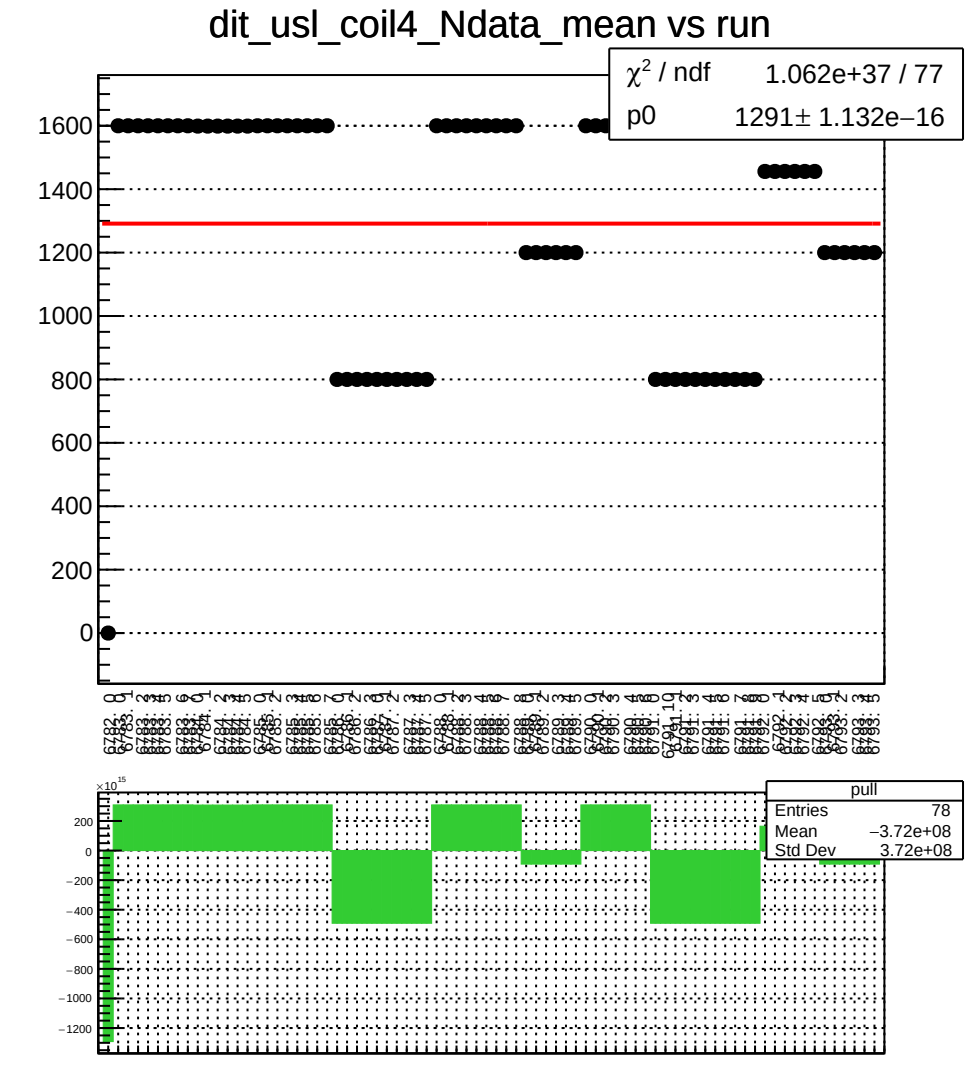

pull1D
Entries 78
Mean 0
Std Dev 0

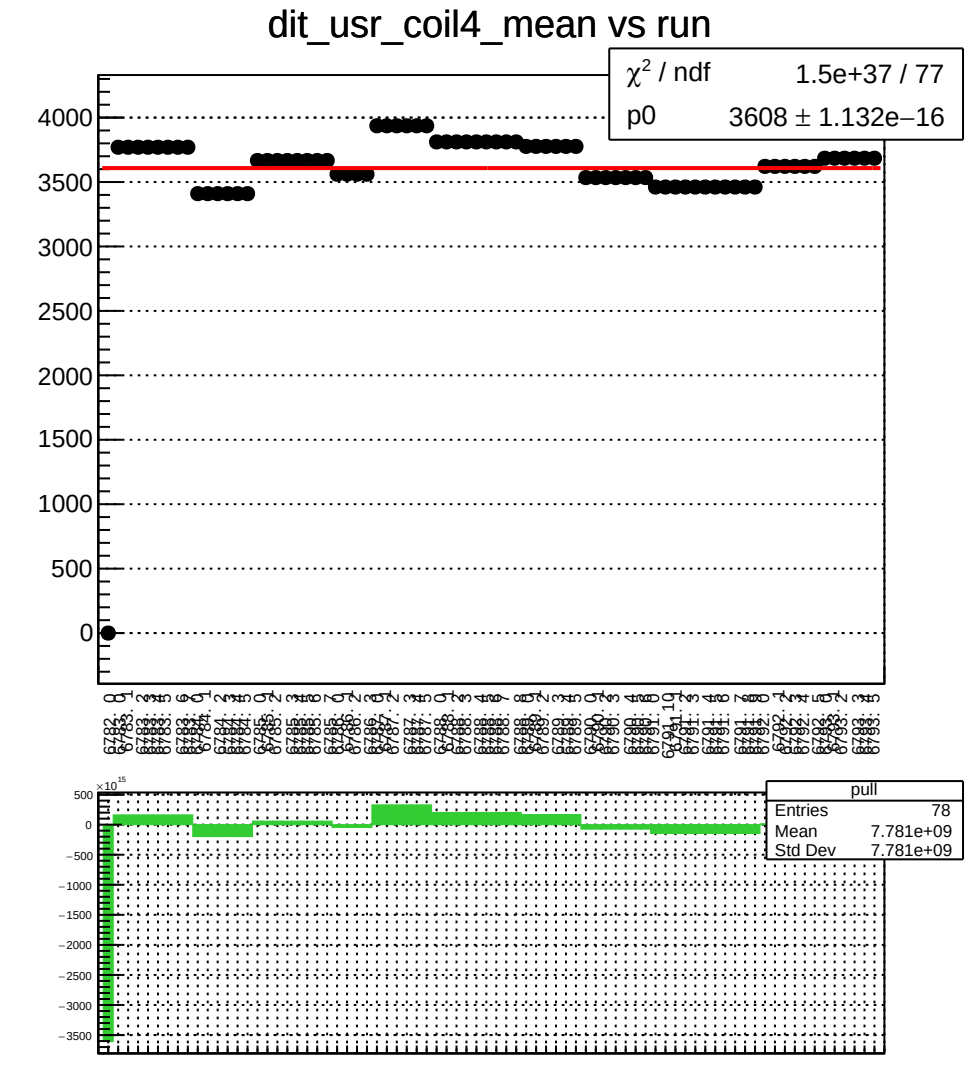

dit_usl_coil4_mean vs run
χ² / ndf 2.246e+37 / 77
p0 4072 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean −1.064e+05
Std Dev 2.04e+05
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

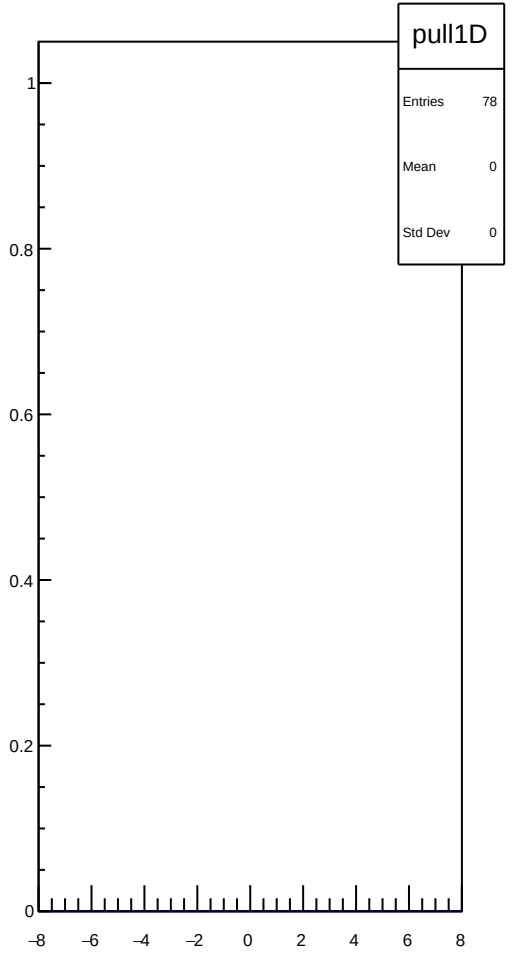

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

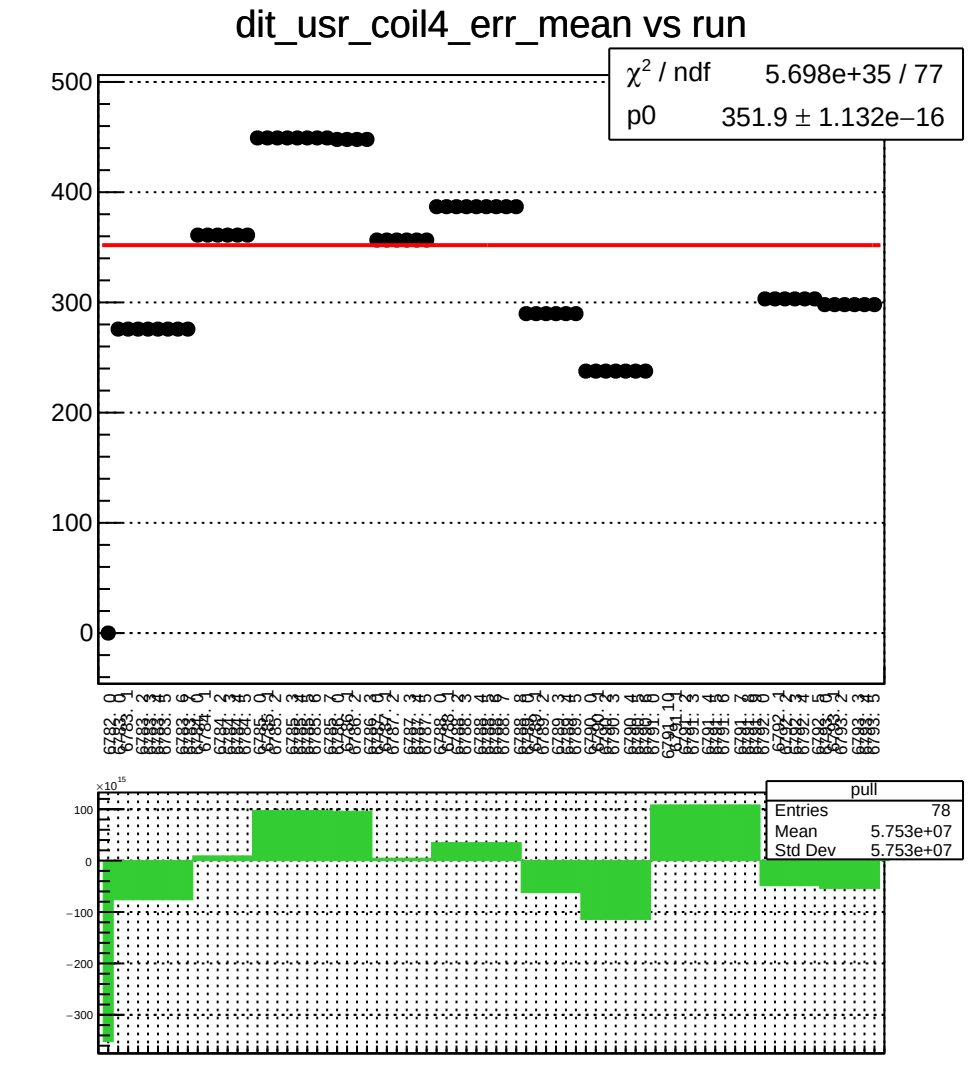

dit_usl_coil4_err_mean vs run
χ² / ndf 5.735e+35 / 77
p0 394.9 ± 1.132e−16
500
400
300
200
100
0
pull
Entries 78
Mean 1.733e+09
Std Dev 1.733e+09
×10¹⁵
100
0
−100
−200
−300
−400

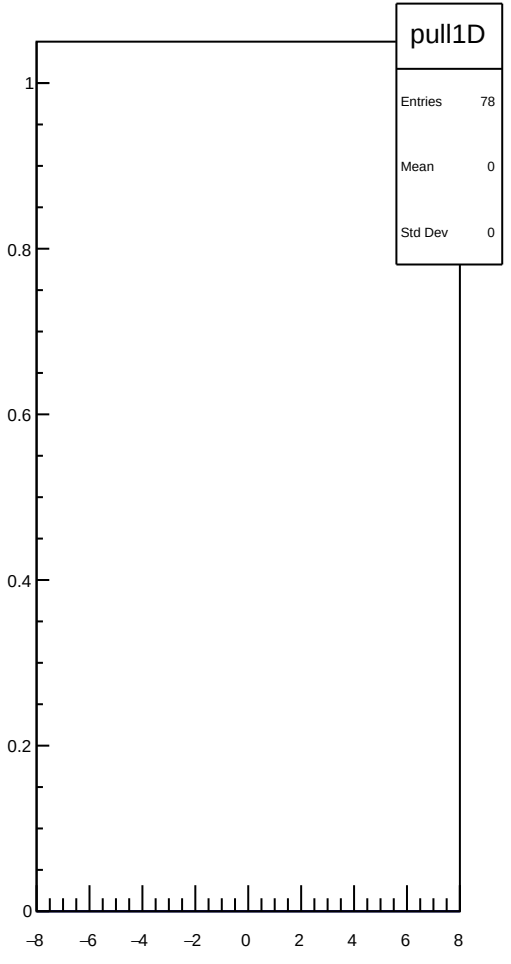

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

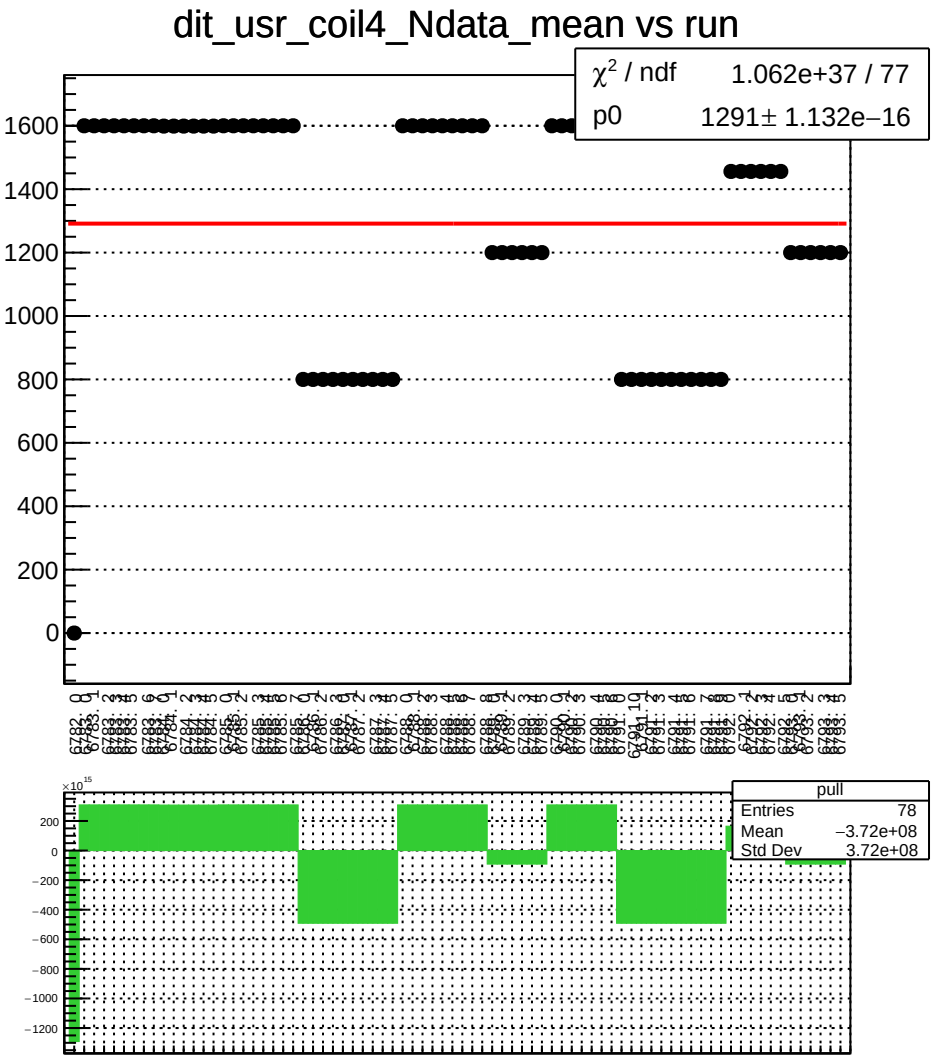

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

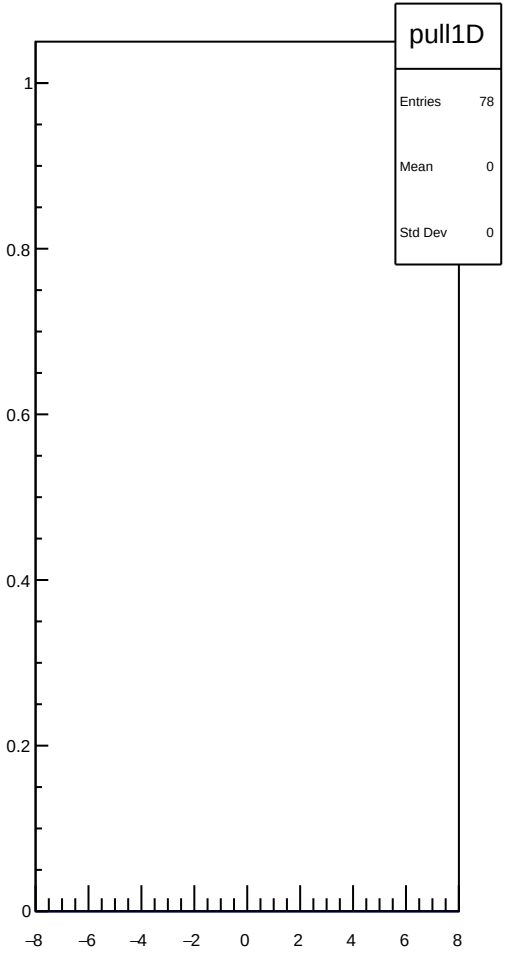

dit_usr_coil4_mean vs run
χ² / ndf 1.5e+37 / 77
p0 3608 ± 1.132e−16
pull
Entries 78
Mean 7.781e+09
Std Dev 7.781e+09

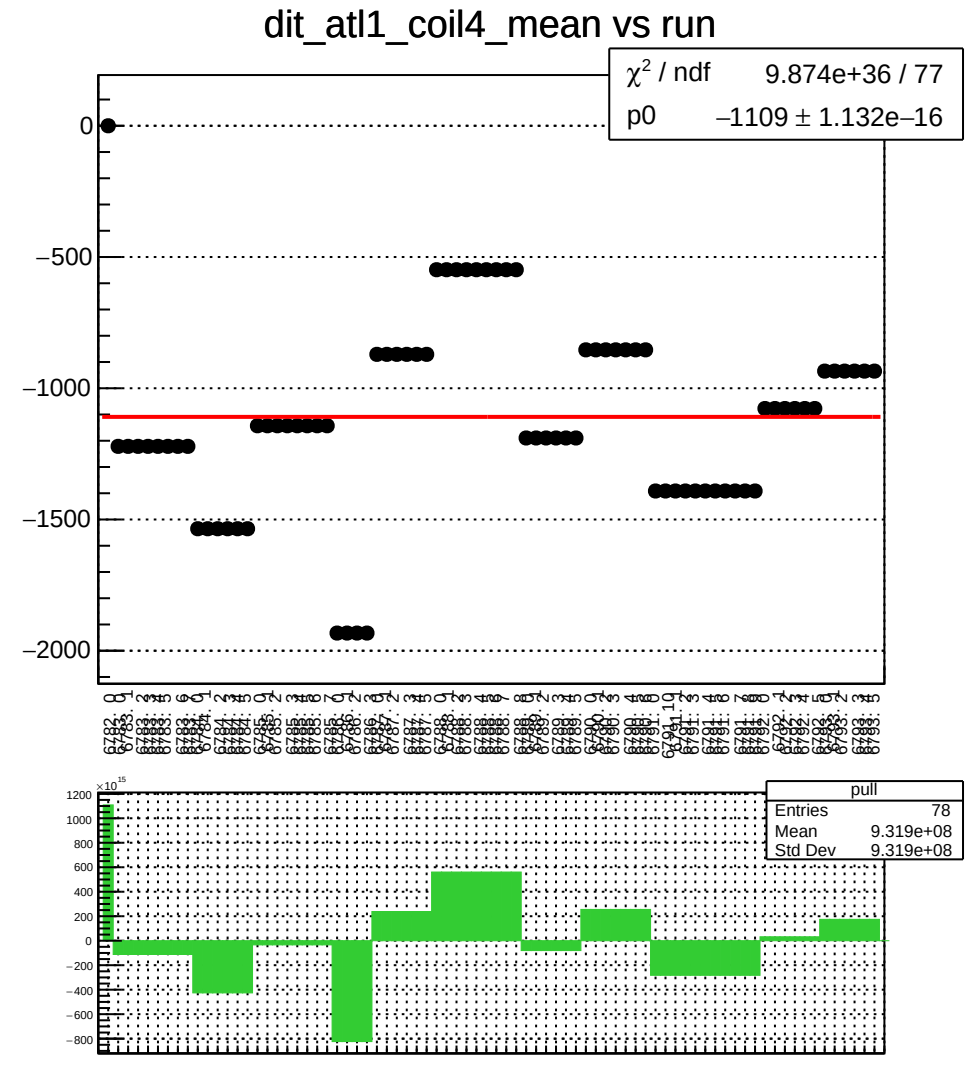

pull1D
Entries 78
Mean 0
Std Dev 0

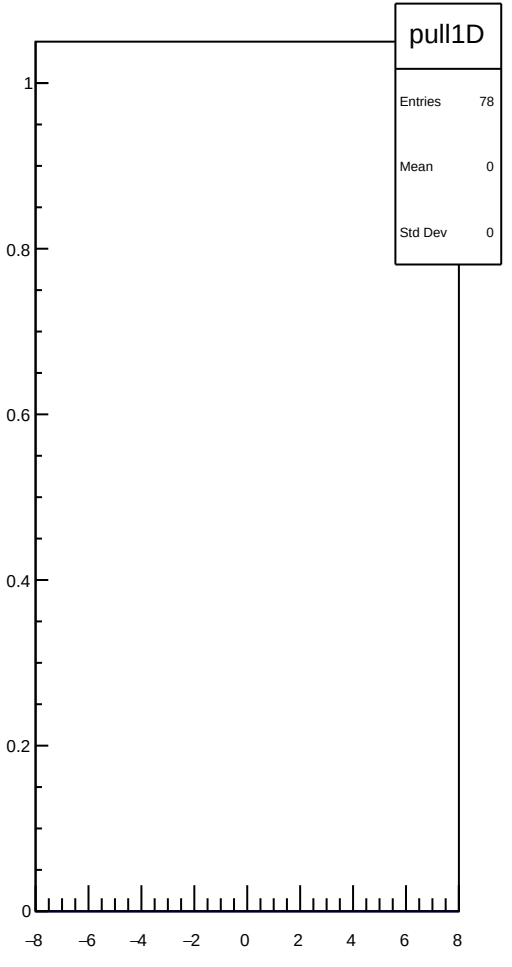

dit_usr_coil4_err_mean vs run
χ² / ndf 5.698e+35 / 77
p0 351.9 ± 1.132e−16
pull
Entries 78
Mean 5.753e+07
Std Dev 5.753e+07

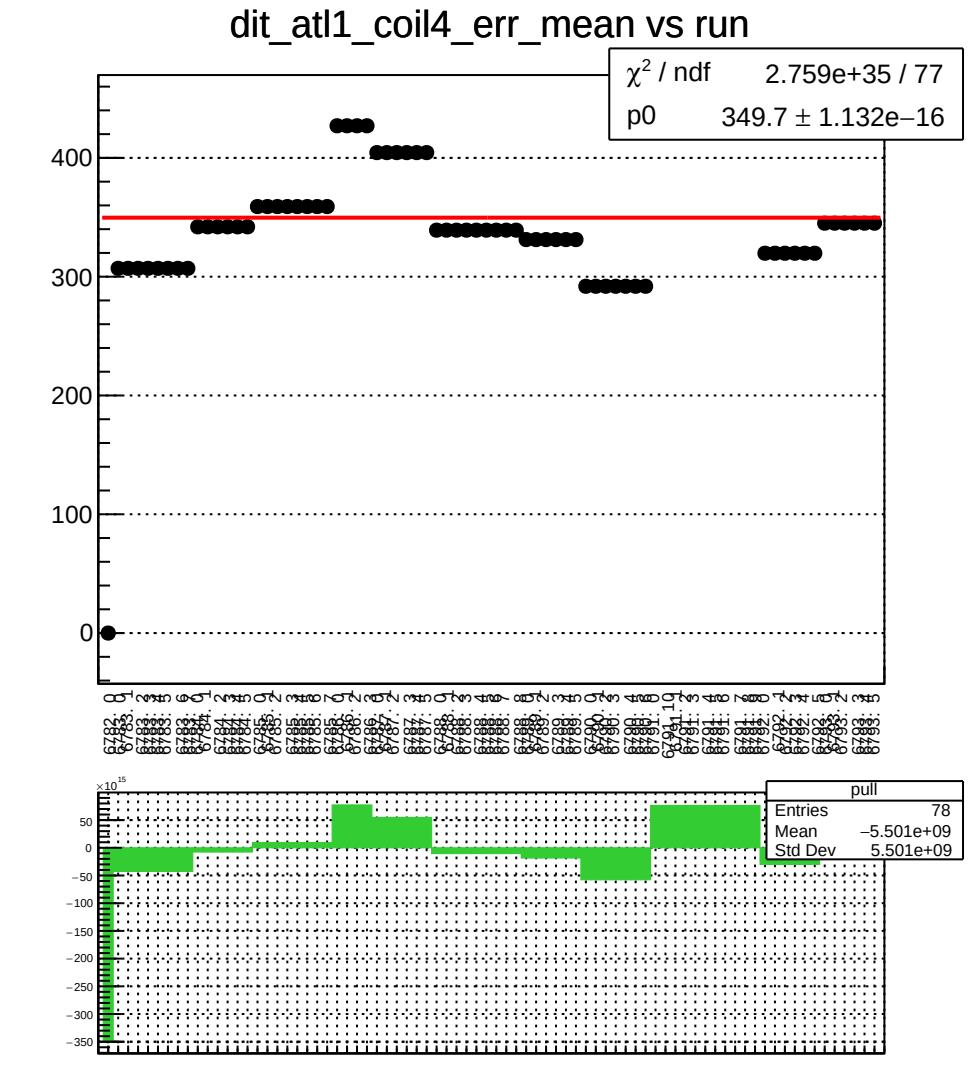

pull1D
Entries 78
Mean 0
Std Dev 0

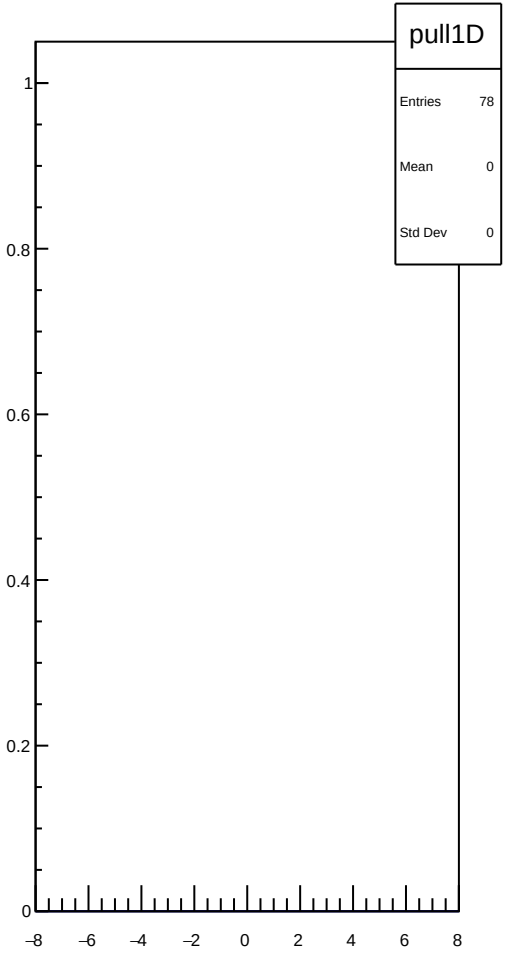

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200

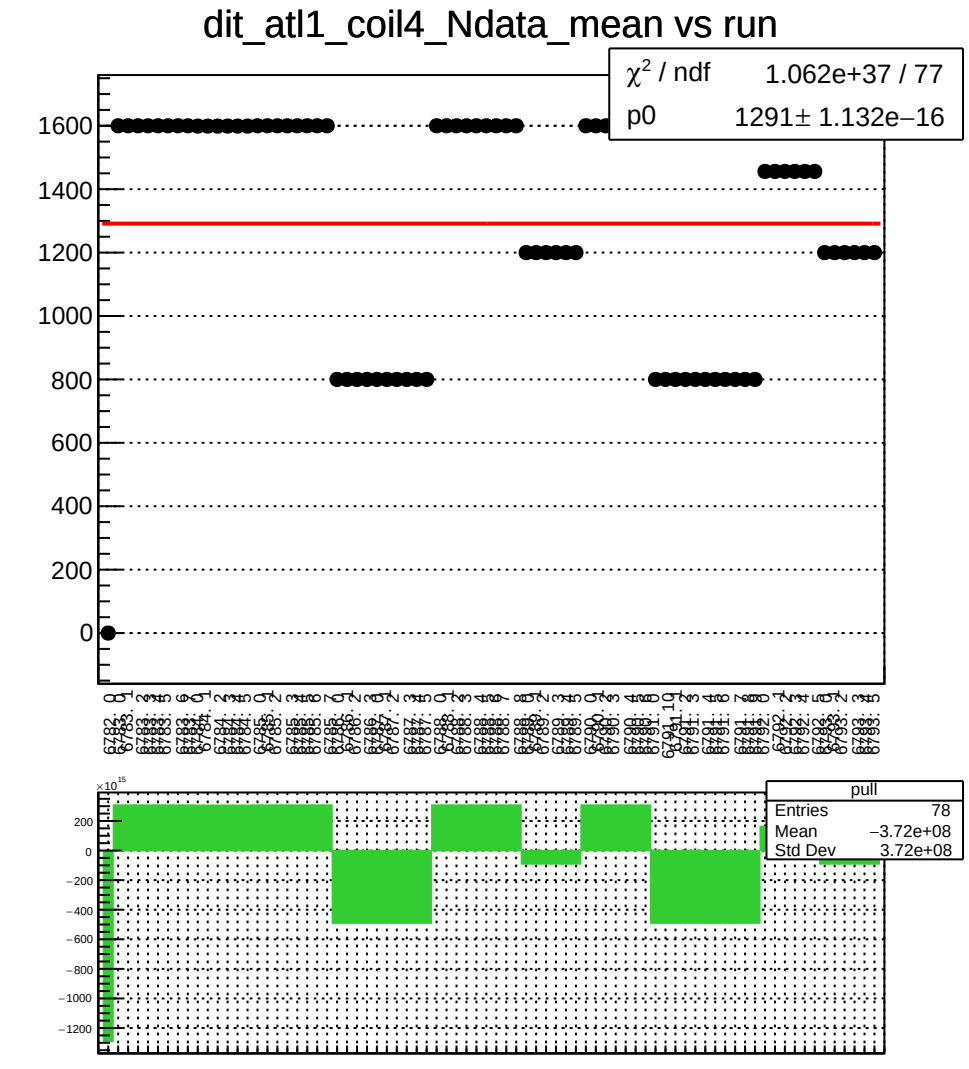

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

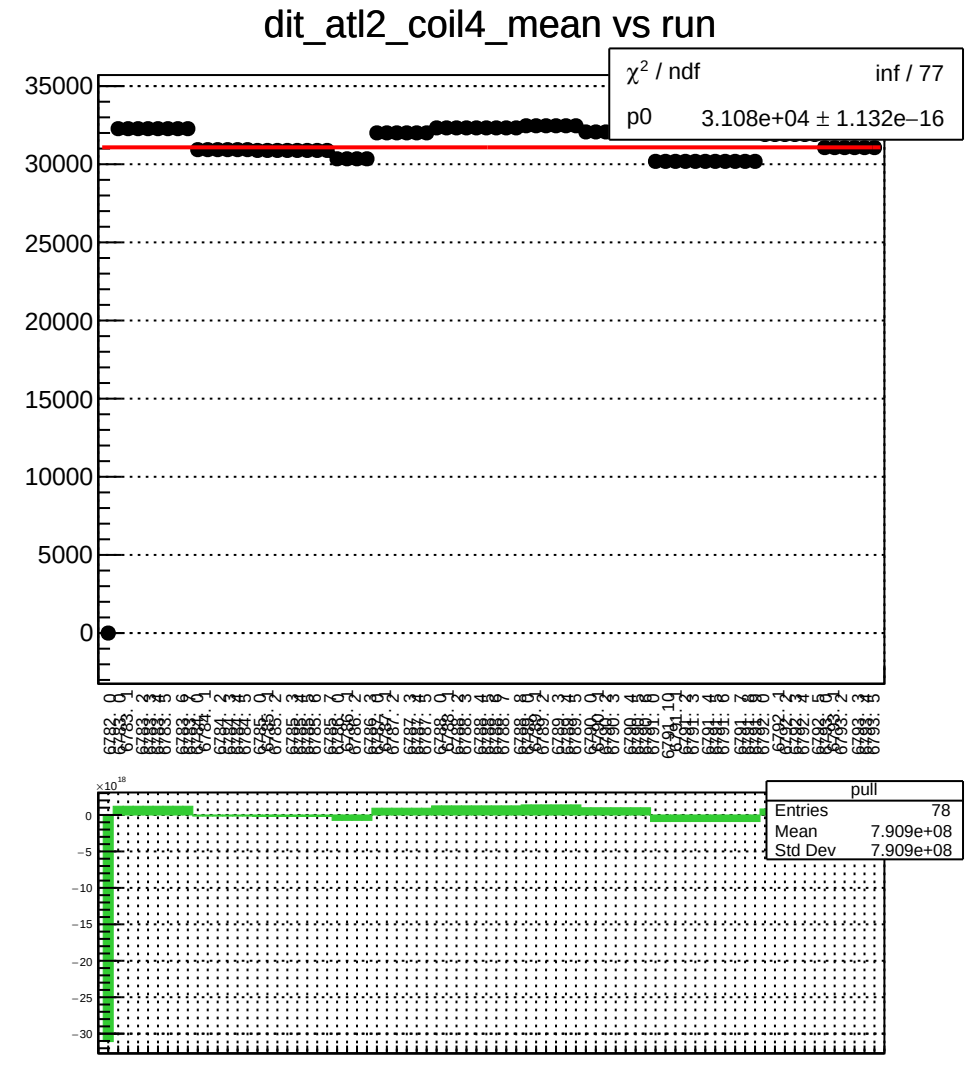

dit_atl1_coil4_mean vs run
χ² / ndf 9.874e+36 / 77
p0 –1109 ± 1.132e–16
0
–500
–1000
–1500
–2000
pull
Entries 78
Mean 9.319e+08
Std Dev 9.319e+08
×10¹⁵
1200
1000
800
600
400
200
0
–200
–400
–600
–800

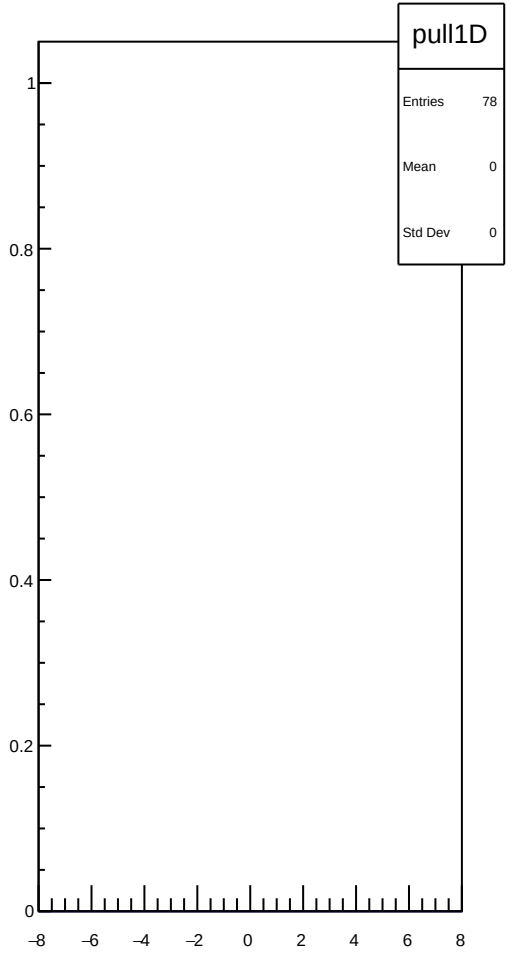

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

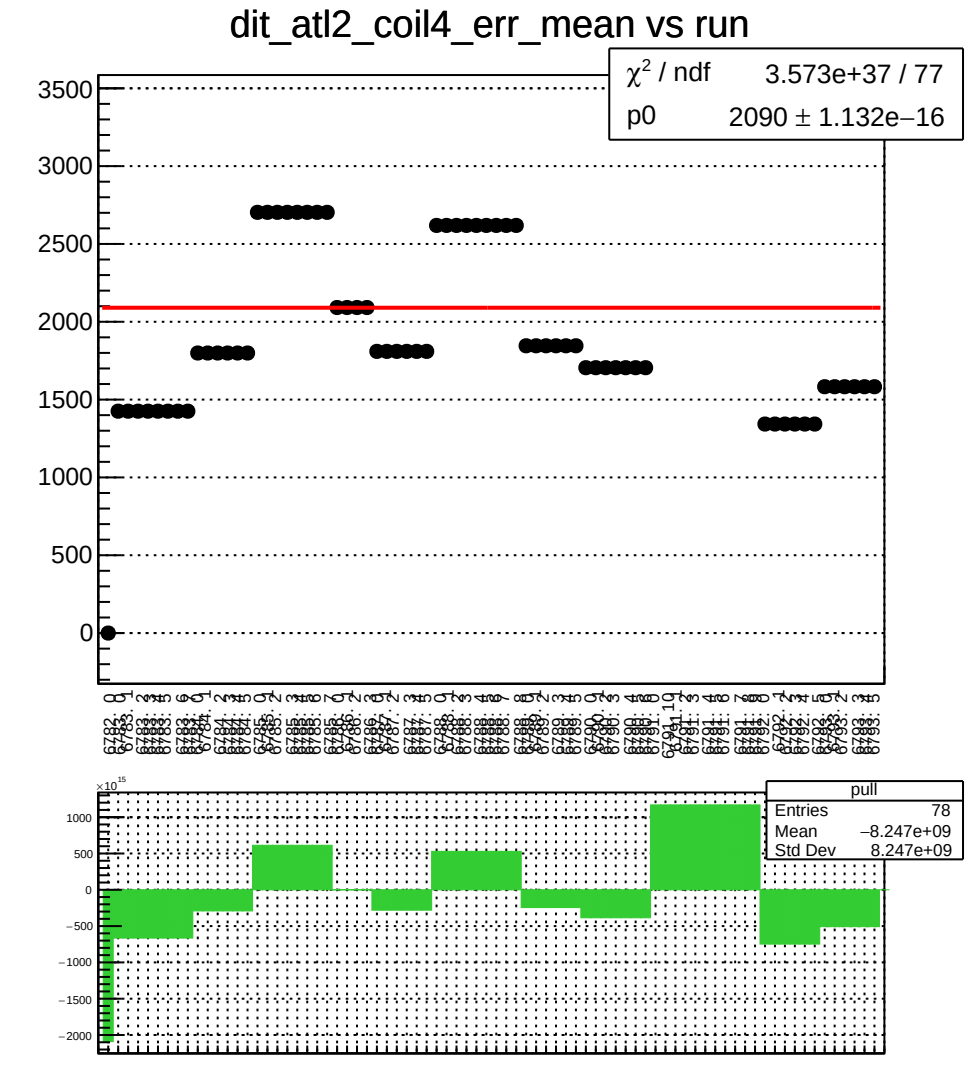

dit_atl1_coil4_err_mean vs run
χ² / ndf 2.759e+35 / 77
p0 349.7 ± 1.132e−16
400
300
200
100
0
pull
Entries 78
Mean −5.501e+09
Std Dev 5.501e+09
×10¹⁵
50
0
−50
−100
−150
−200
−250
−300
−350

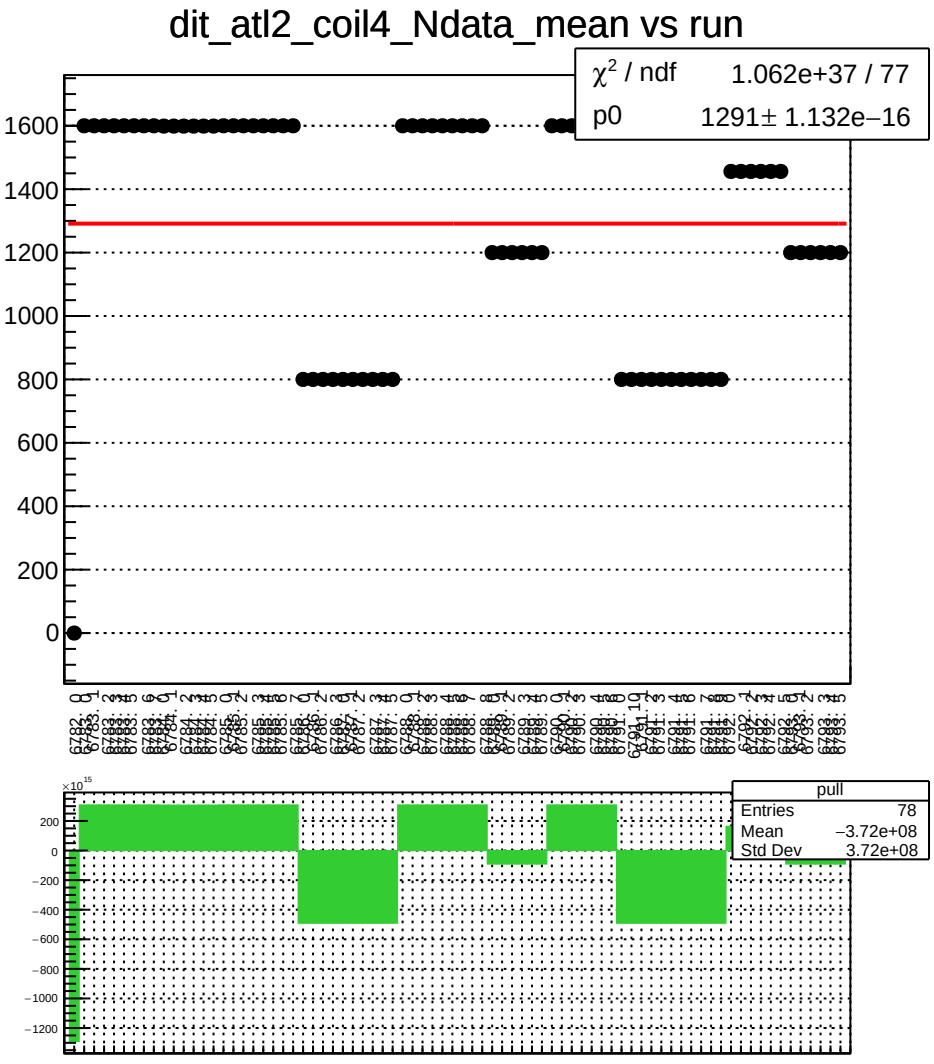

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

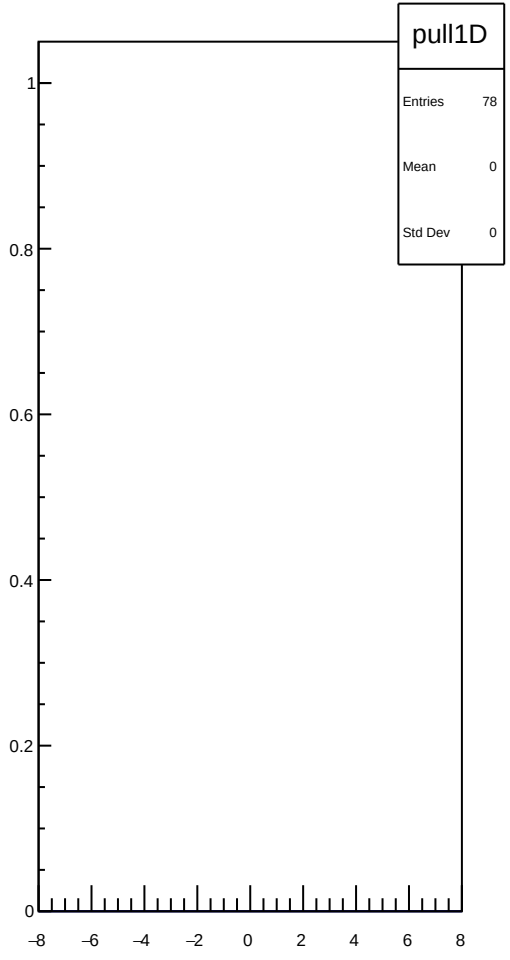

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

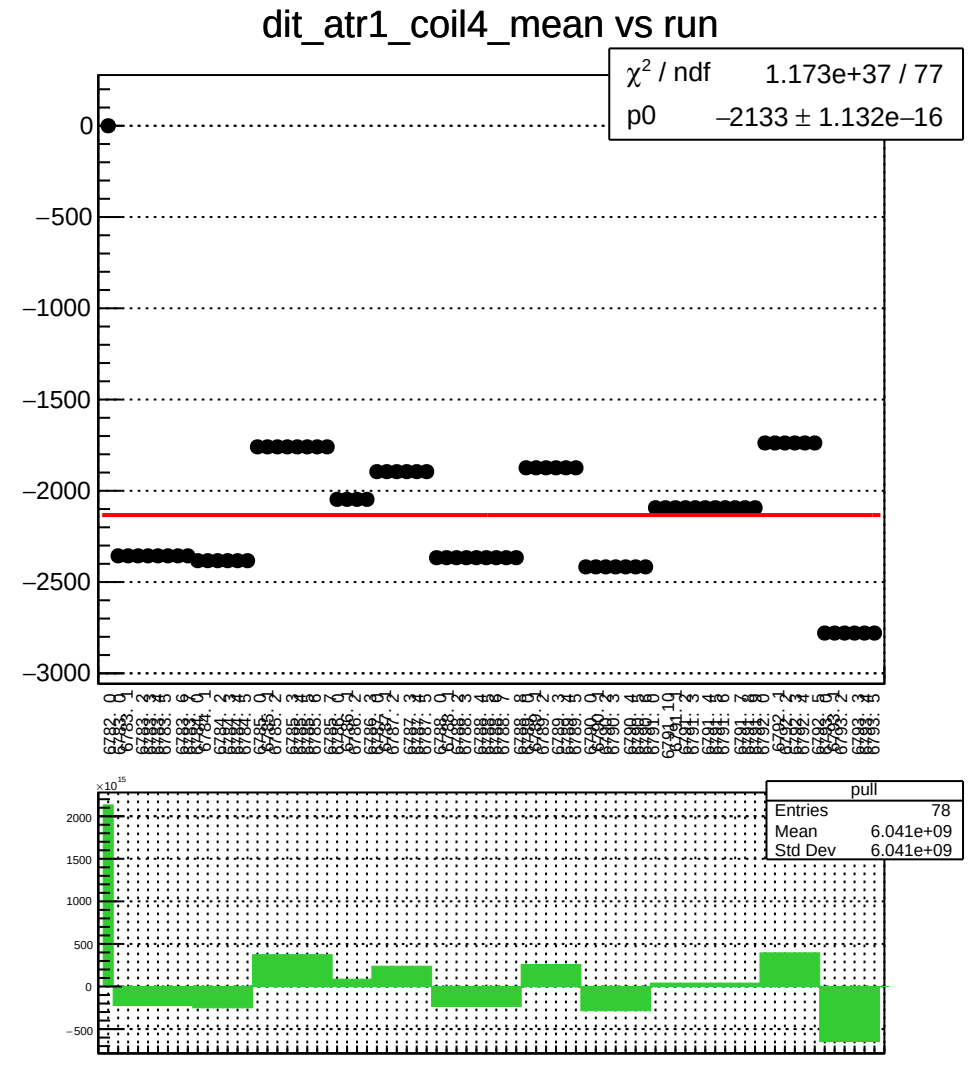

dit_atl2_coil4_mean vs run
χ² / ndf inf / 77
p0 3.108e+04 ± 1.132e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean 7.909e+08
Std Dev 7.909e+08
×10¹⁸
0
−5
−10
−15
−20
−25
−30

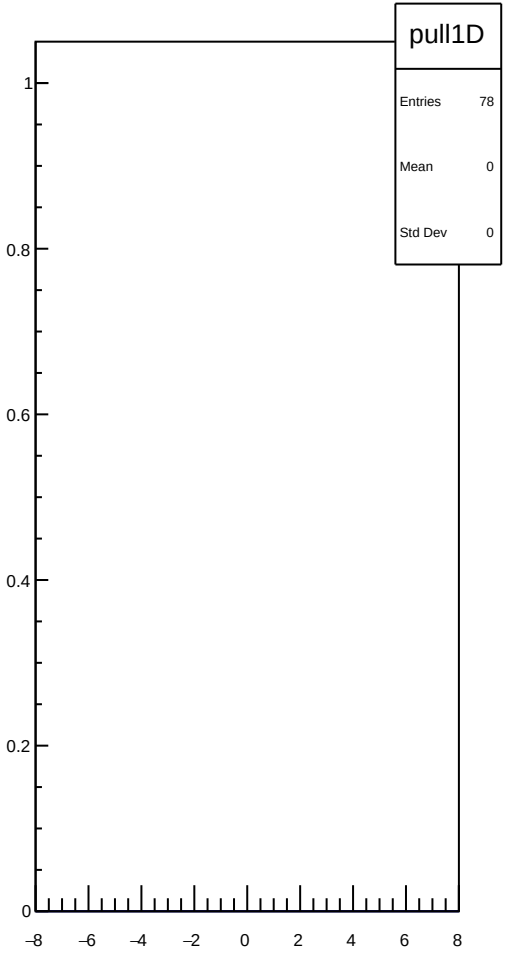

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

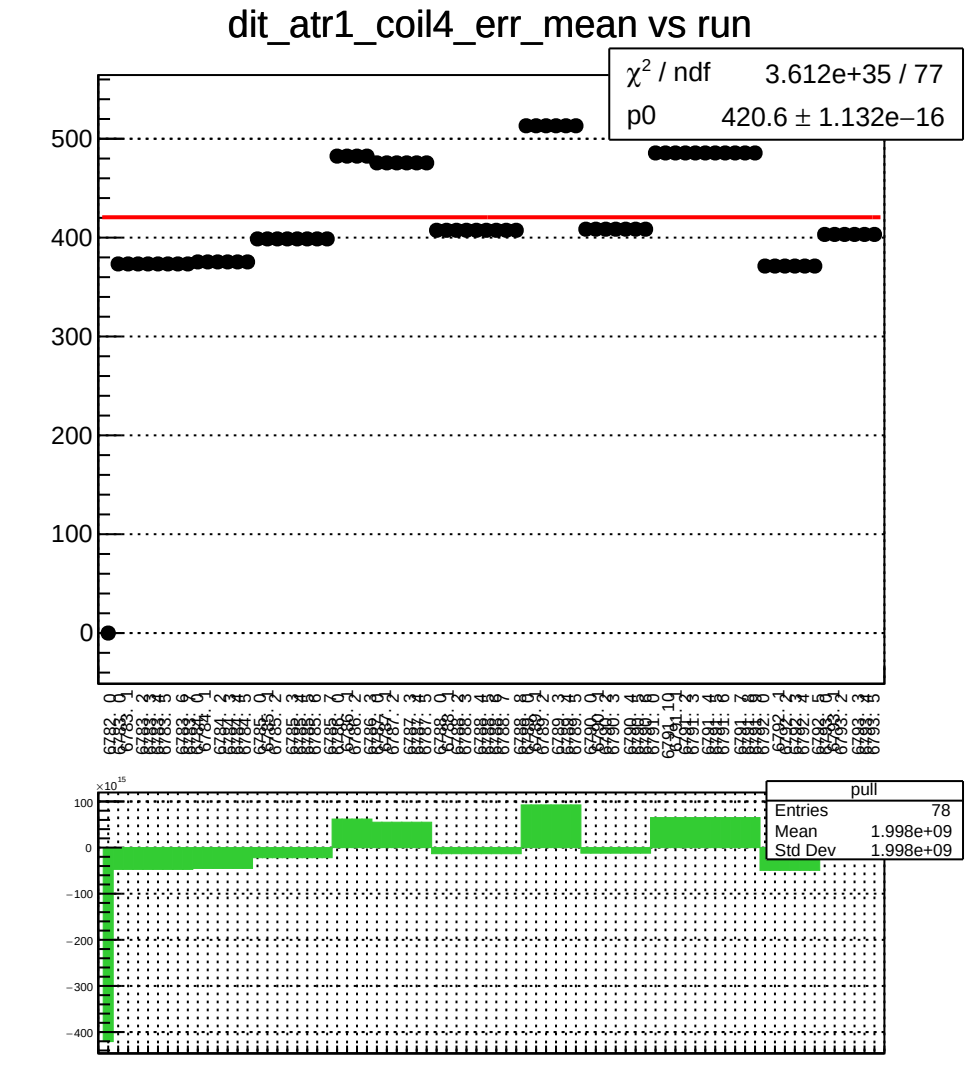

dit_atl2_coil4_err_mean vs run
χ² / ndf 3.573e+37 / 77
p0 2090 ± 1.132e−16
pull
Entries 78
Mean −8.247e+09
Std Dev 8.247e+09
pull1D
Entries 78
Mean 0
Std Dev 0

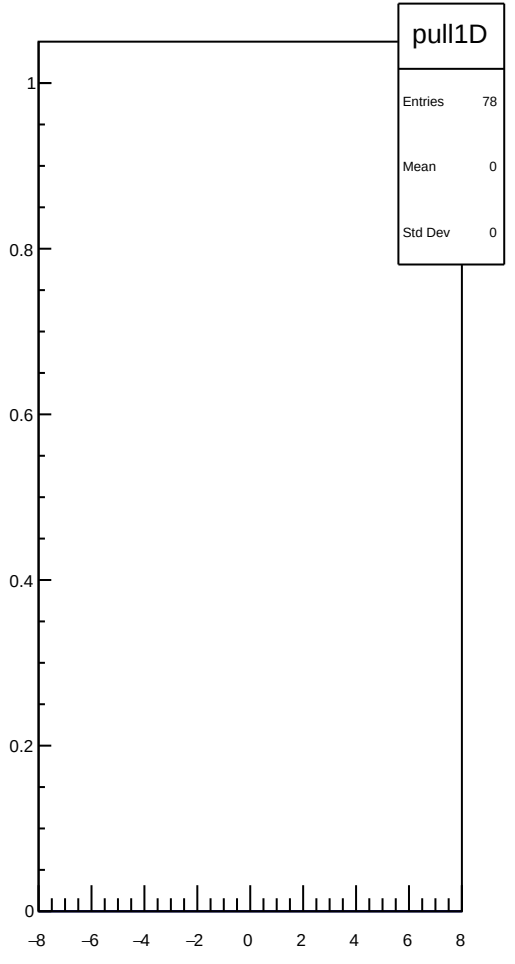

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

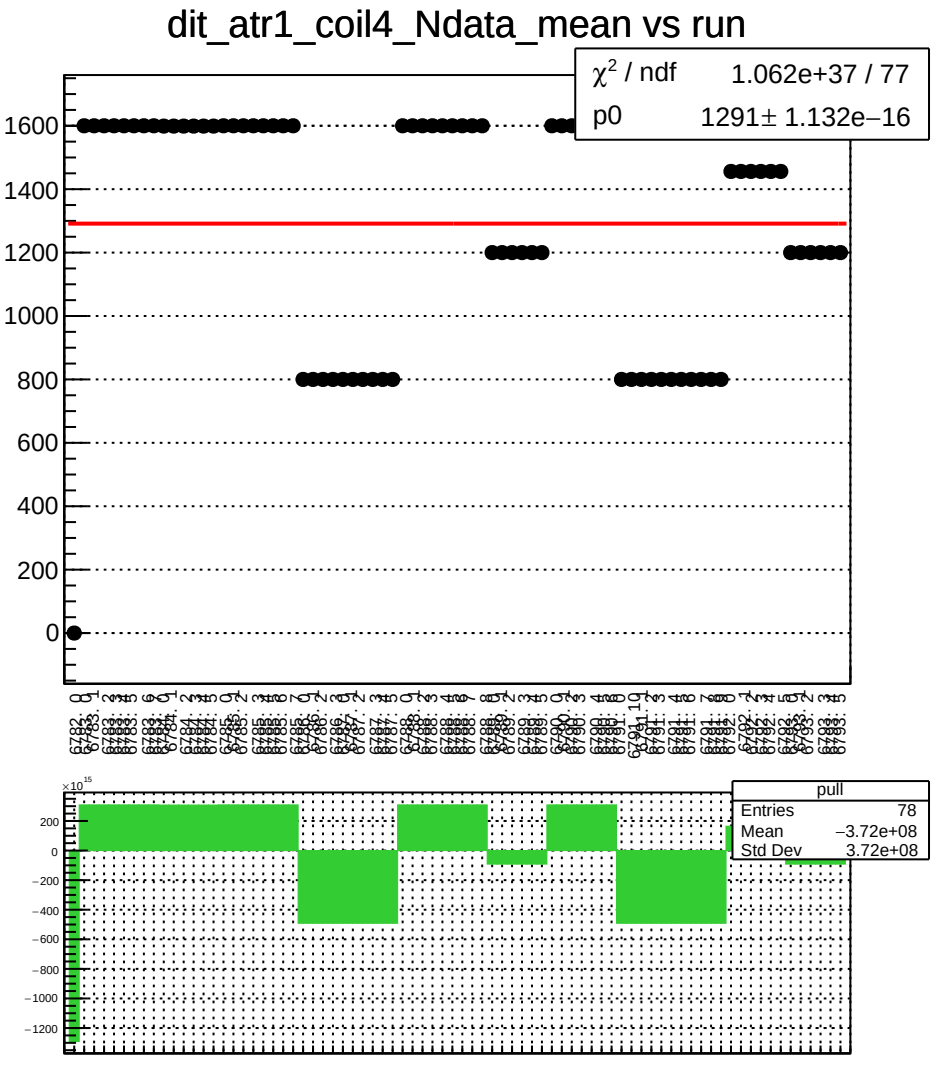

pull1D
Entries 78
Mean 0
Std Dev 0

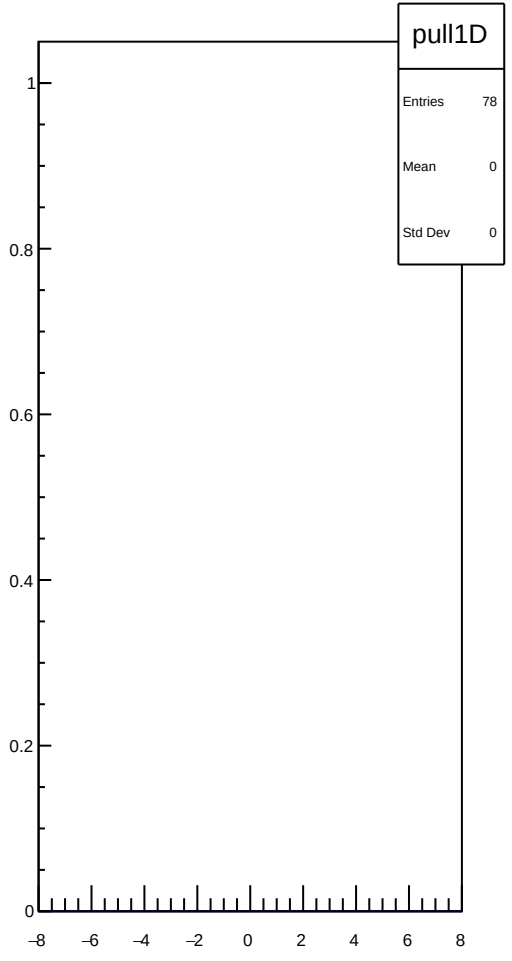

dit_atr1_coil4_mean vs run
χ² / ndf 1.173e+37 / 77
p0 −2133 ± 1.132e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 78
Mean 6.041e+09
Std Dev 6.041e+09
×10¹⁵
2000
1500
1000
500
0
−500

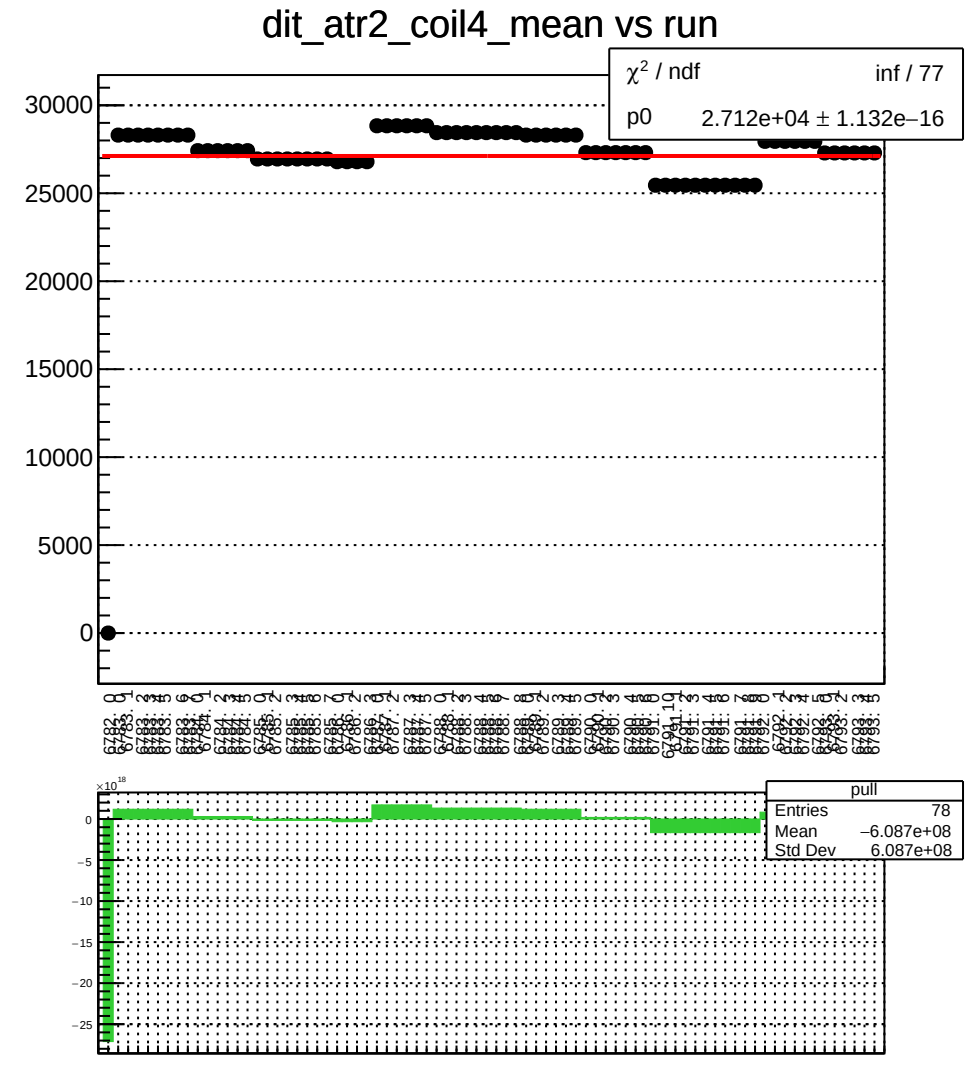

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

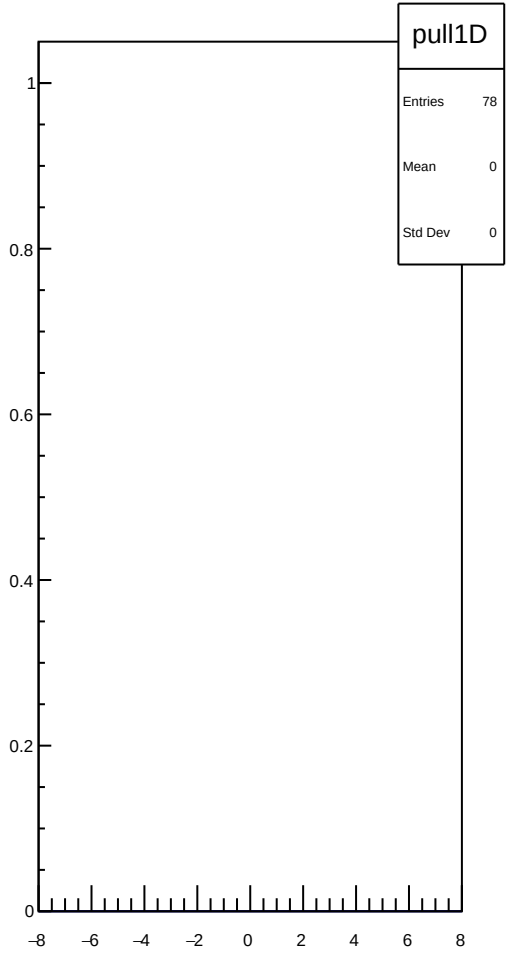

dit_atr1_coil4_err_mean vs run
χ² / ndf 3.612e+35 / 77
p0 420.6 ± 1.132e−16
pull
Entries 78
Mean 1.998e+09
Std Dev 1.998e+09

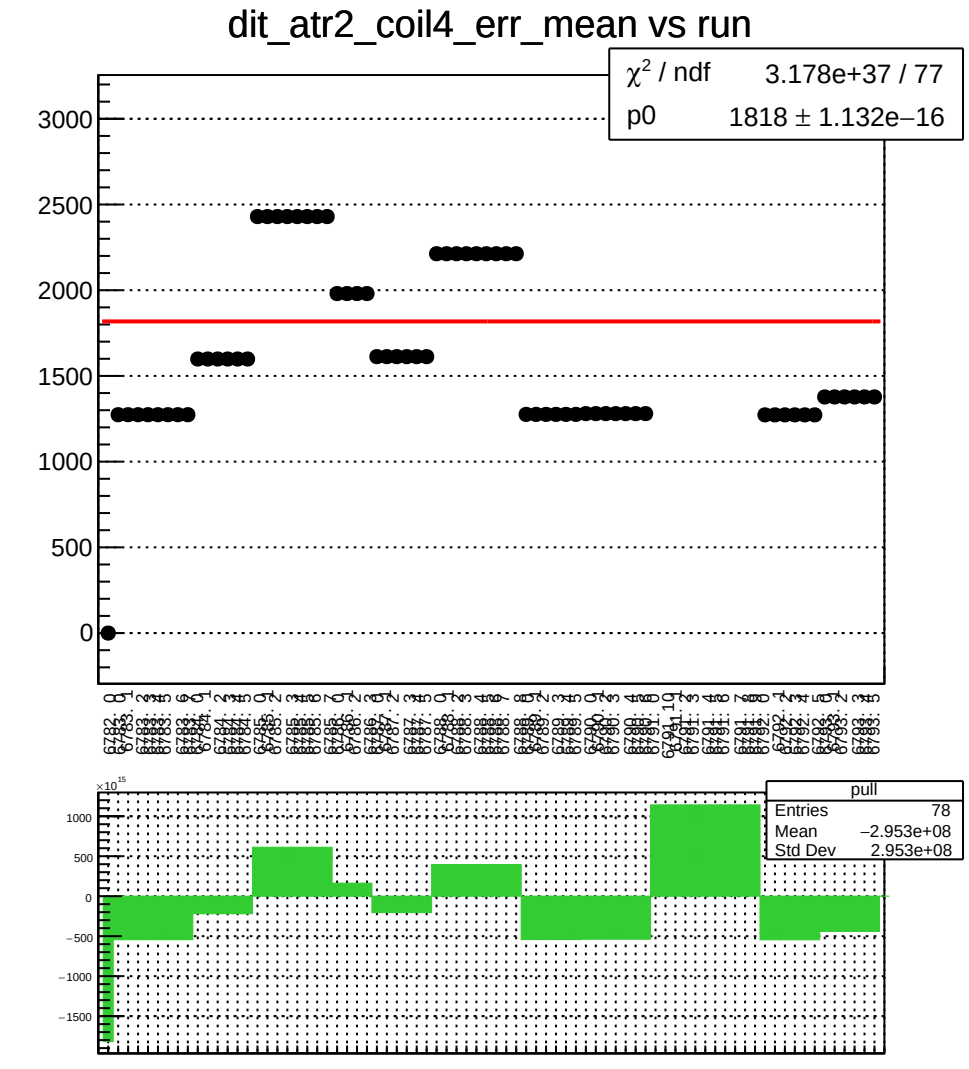

pull1D
Entries 78
Mean 0
Std Dev 0

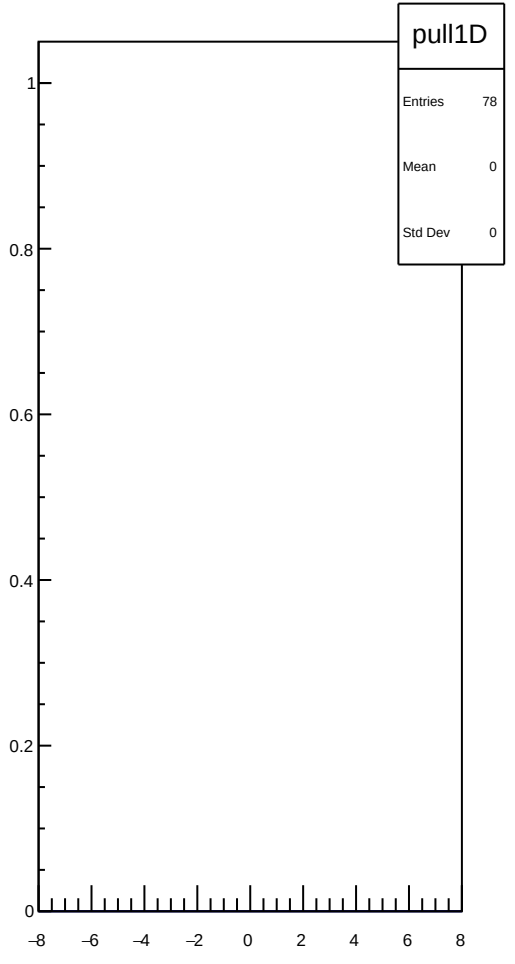

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

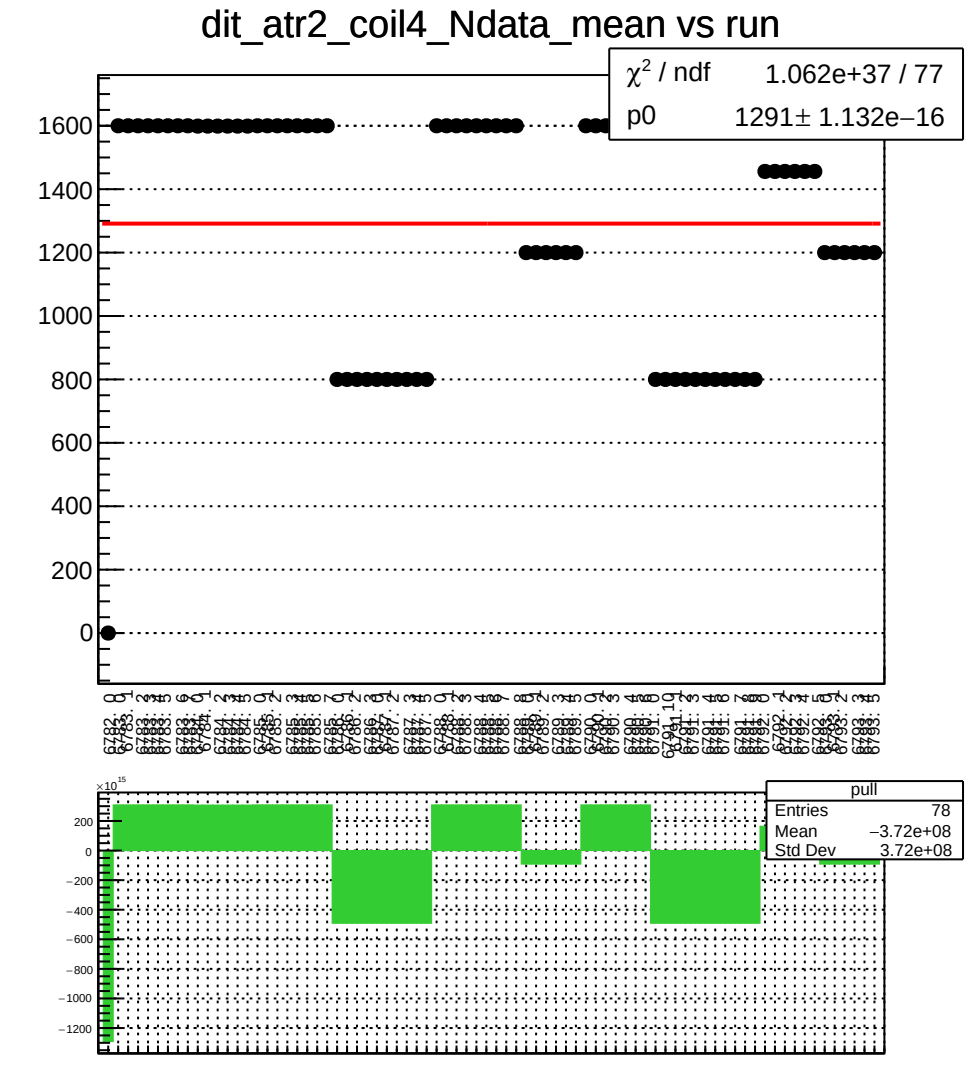

pull1D
Entries 78
Mean 0
Std Dev 0

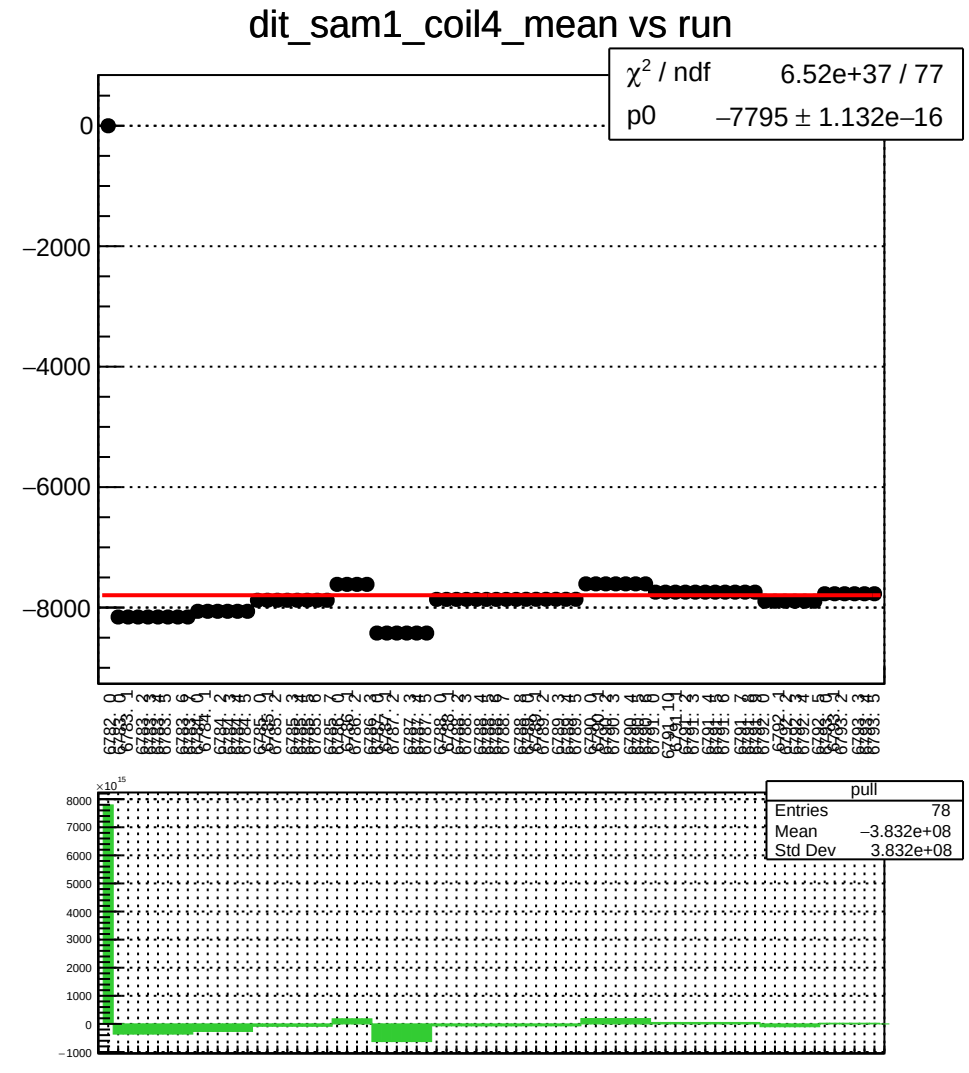

dit_atr2_coil4_mean vs run
χ² / ndf inf / 77
p0 2.712e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −6.087e+08
Std Dev 6.087e+08
×10¹⁸
0
−5
−10
−15
−20
−25

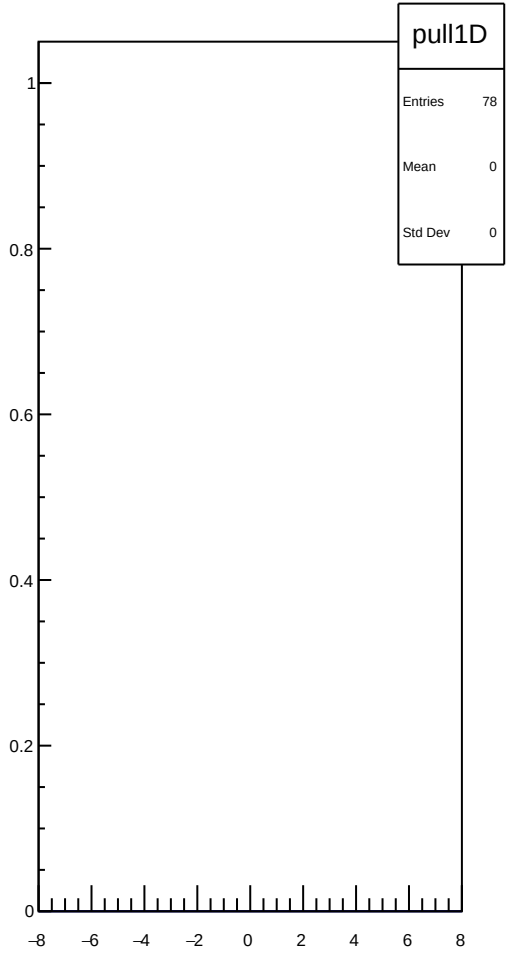

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

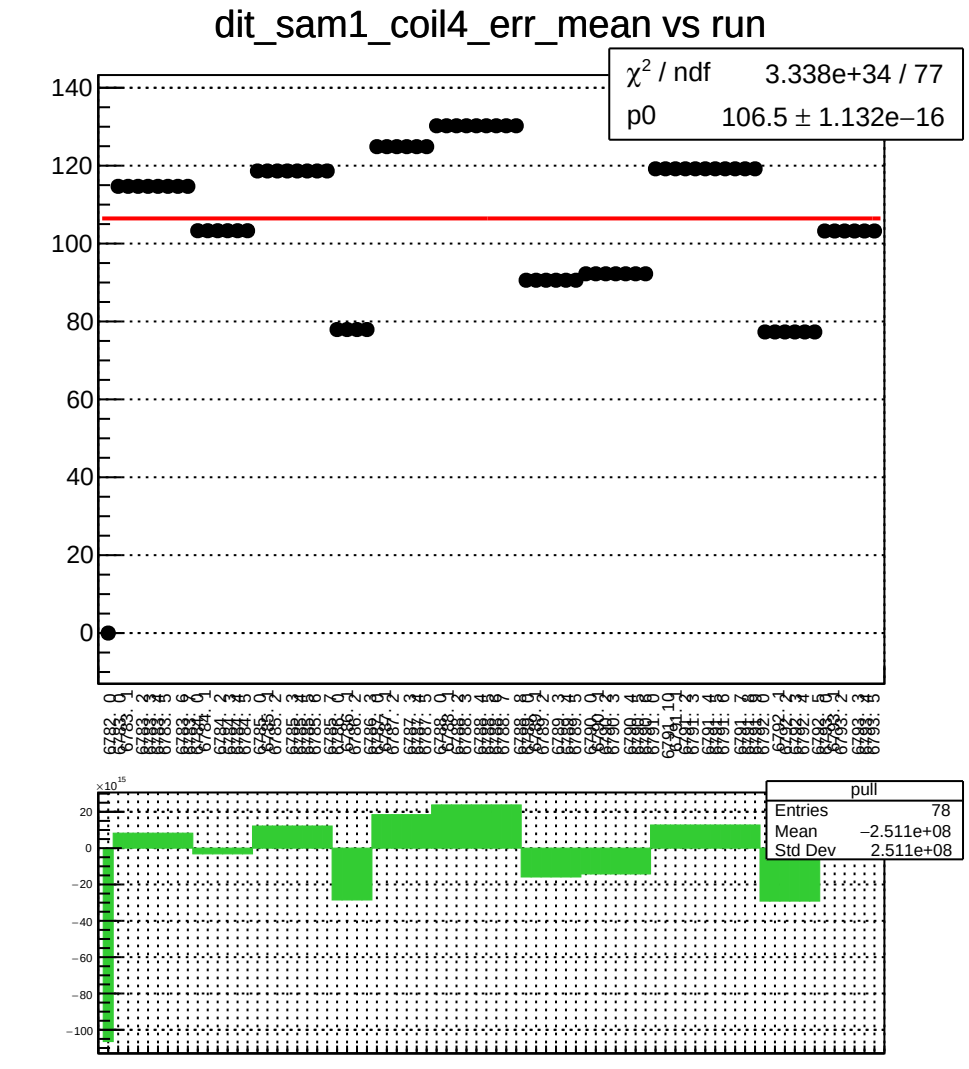

dit_atr2_coil4_err_mean vs run
χ² / ndf 3.178e+37 / 77
p0 1818 ± 1.132e−16
3000
2500
2000
1500
1000
500
0
×10¹⁵
1000
500
0
−500
−1000
−1500
pull
Entries 78
Mean −2.953e+08
Std Dev 2.953e+08

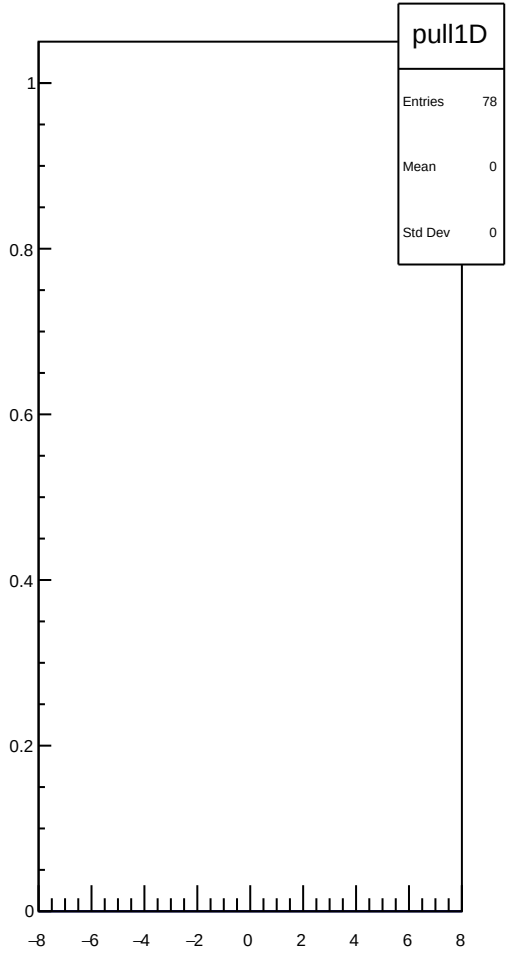

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

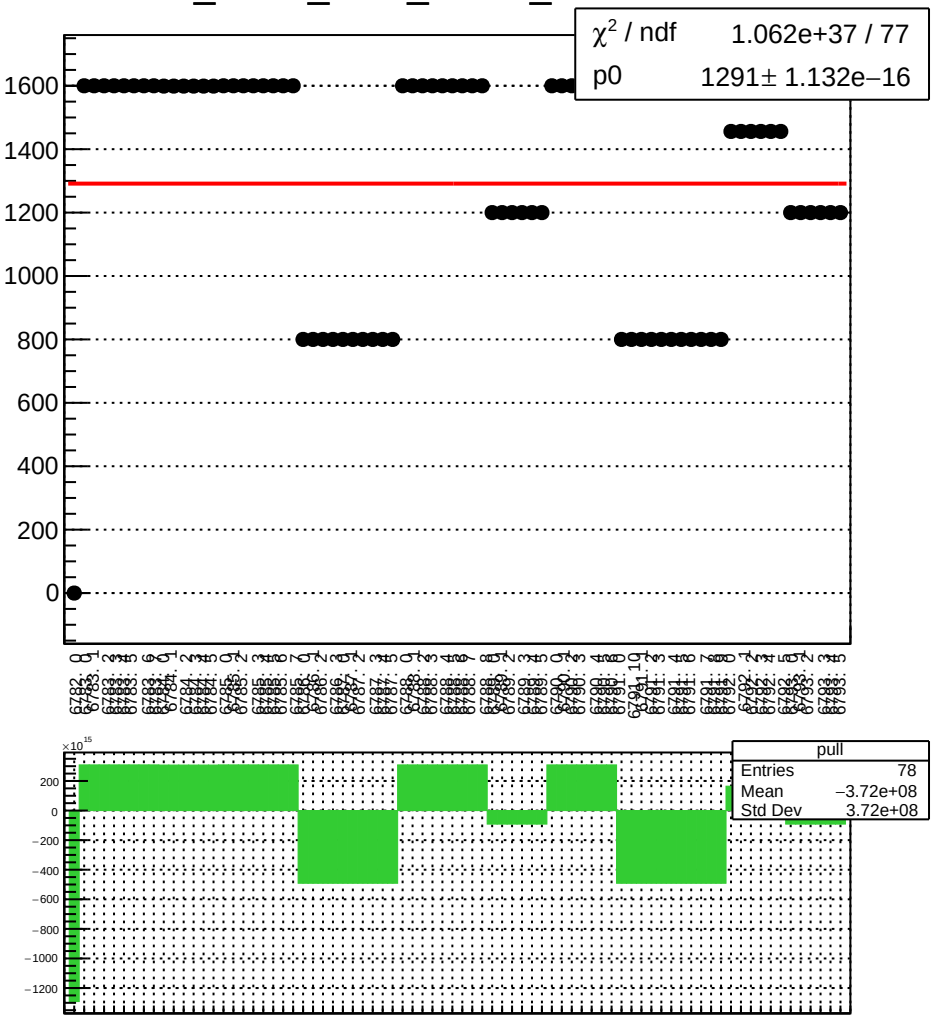

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08
pull1D
Entries 78
Mean 0
Std Dev 0

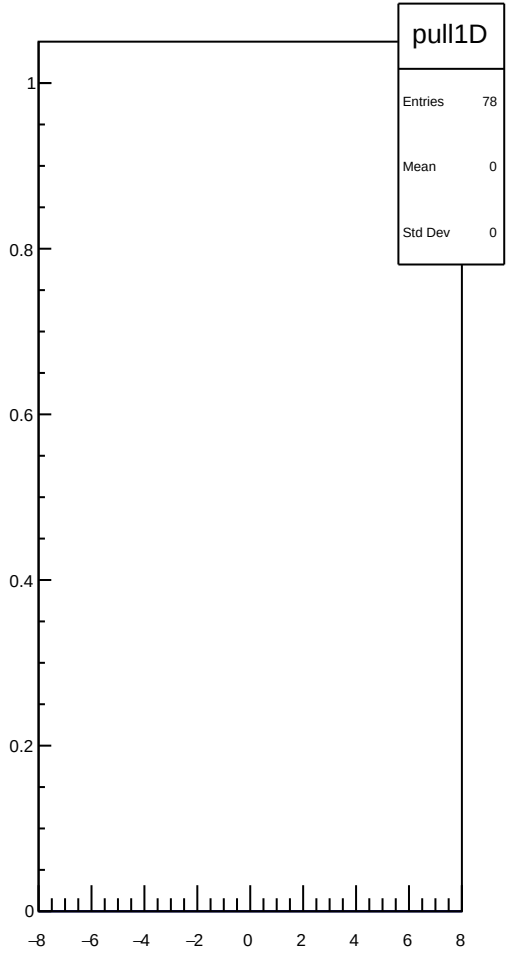

dit_sam1_coil4_mean vs run
χ² / ndf 6.52e+37 / 77
p0 −7795 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −3.832e+08
Std Dev 3.832e+08
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
−1000

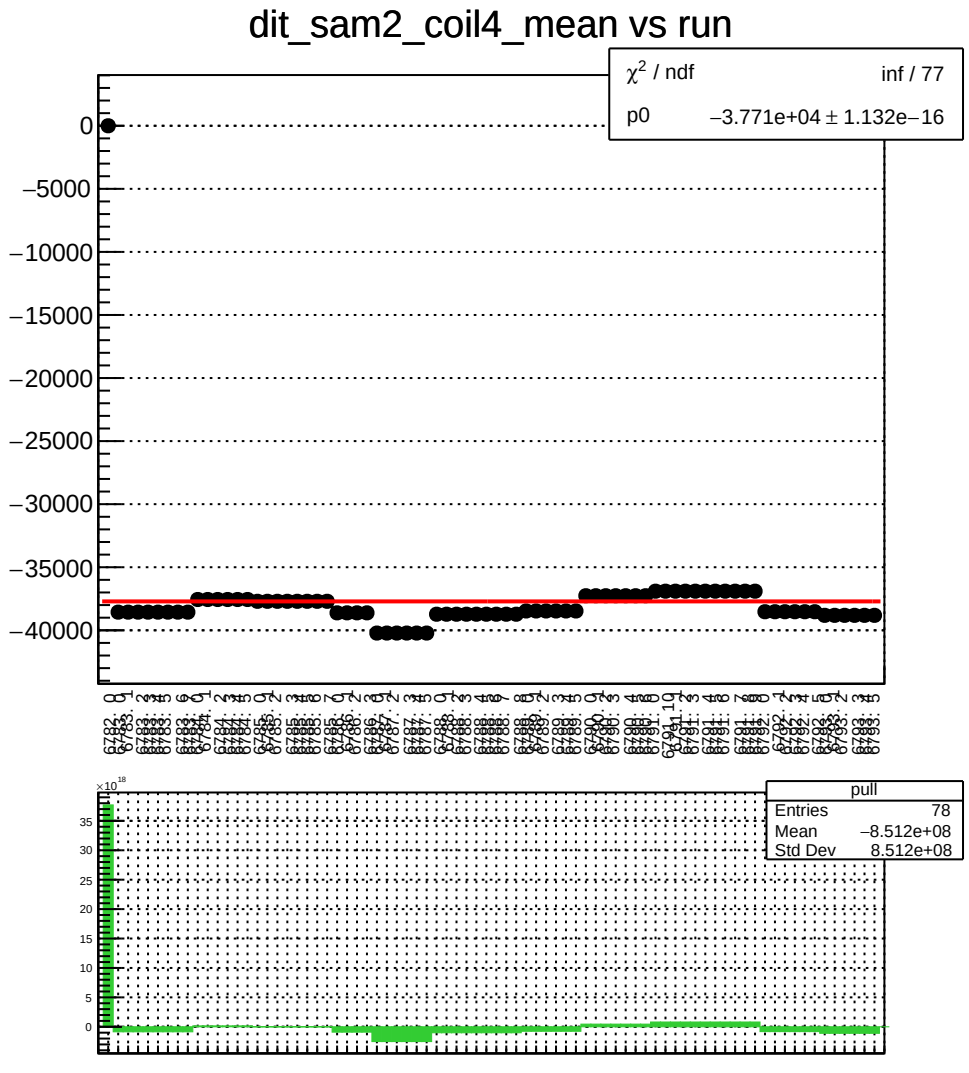

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

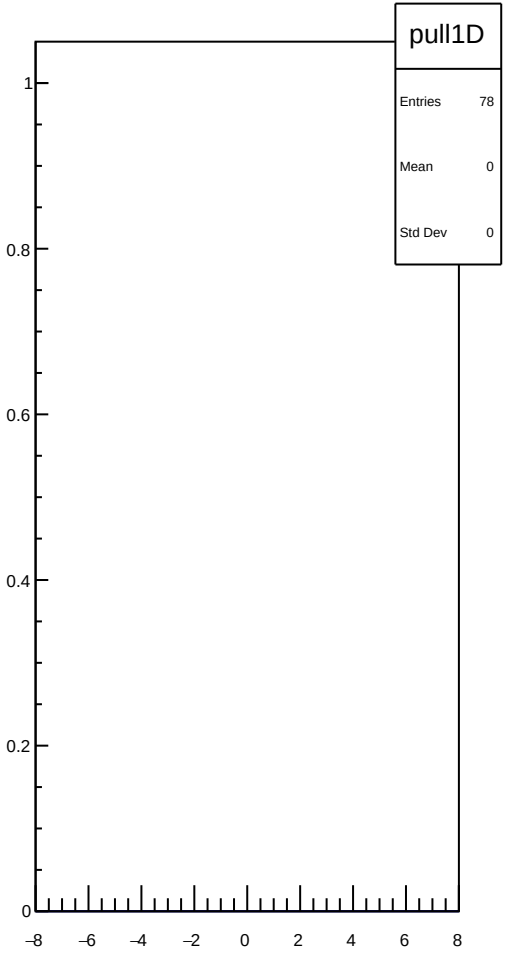

dit_sam1_coil4_err_mean vs run
χ² / ndf 3.338e+34 / 77
p0 106.5 ± 1.132e−16
pull
Entries 78
Mean −2.511e+08
Std Dev 2.511e+08

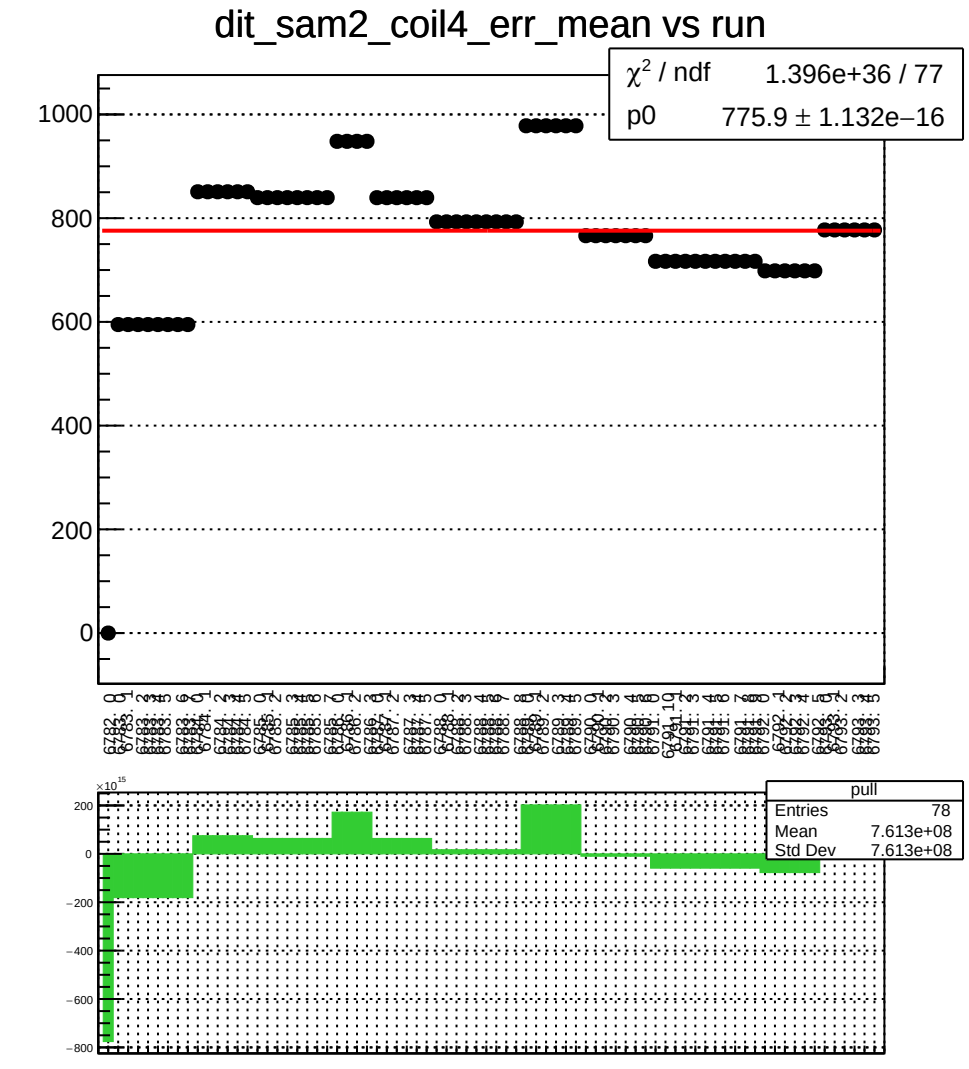

pull1D
Entries 78
Mean 0
Std Dev 0

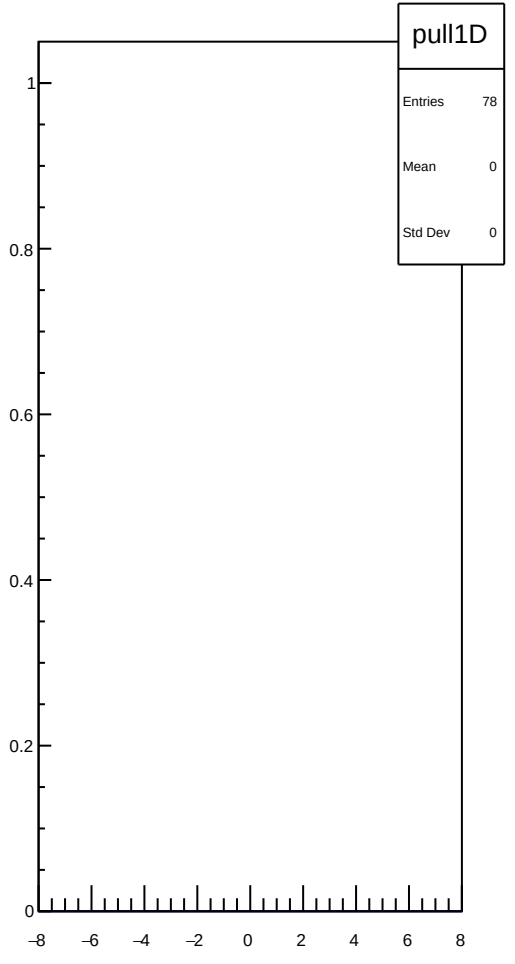

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

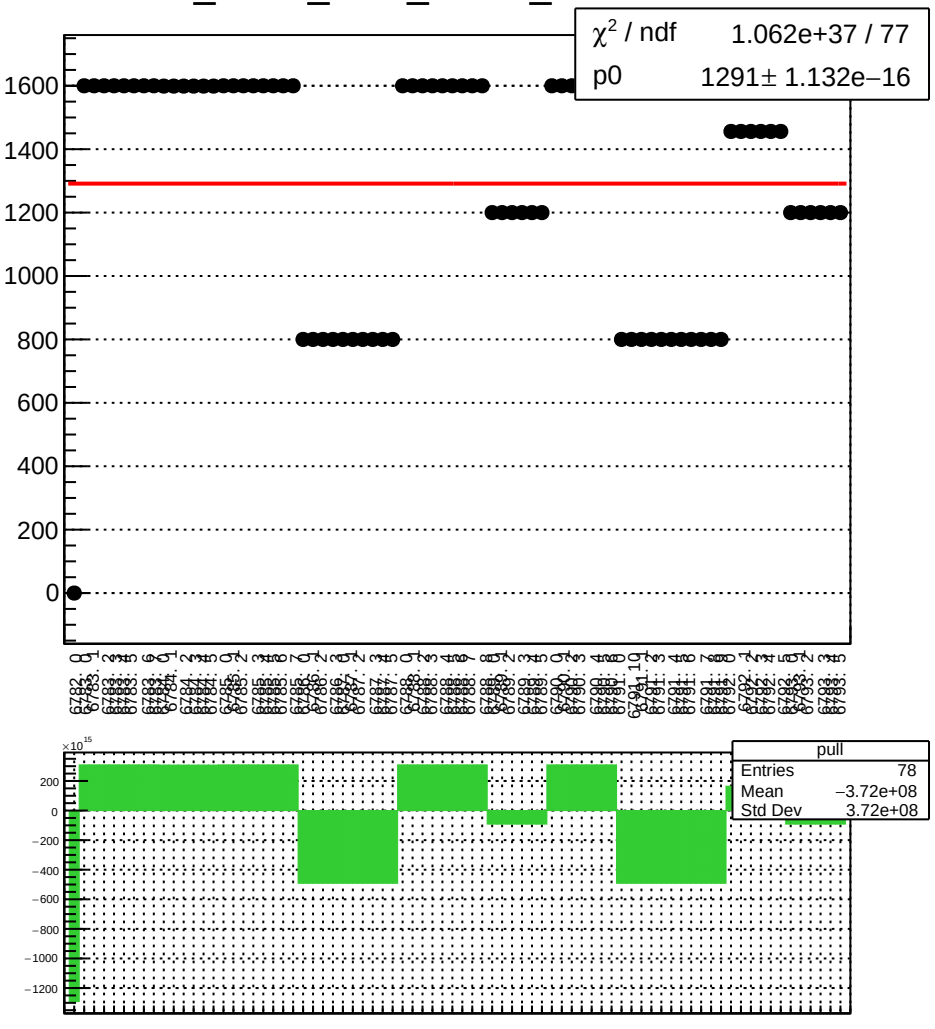

pull1D
Entries 78
Mean 0
Std Dev 0

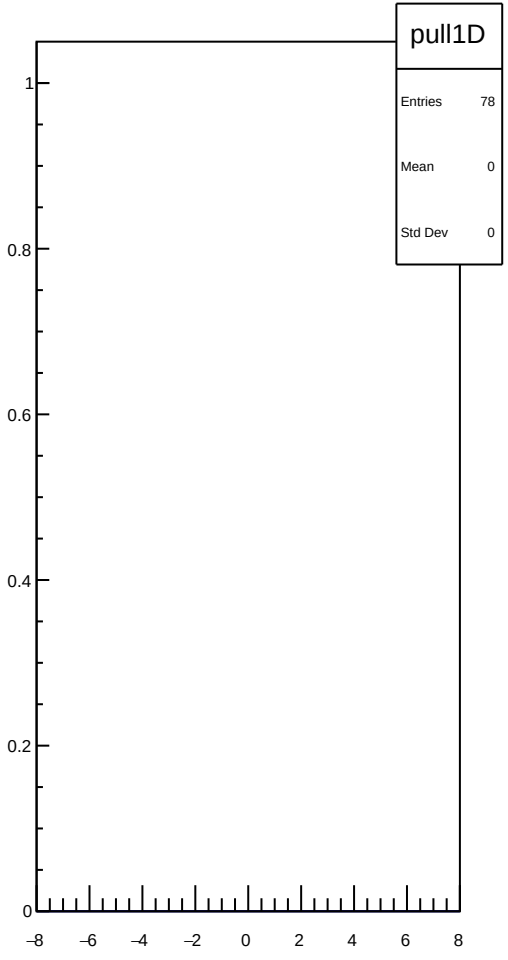

dit_sam2_coil4_mean vs run
χ² / ndf inf / 77
p0 −3.771e+04 ± 1.132e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
×10¹⁸
35
30
25
20
15
10
5
0
pull
Entries 78
Mean −8.512e+08
Std Dev 8.512e+08

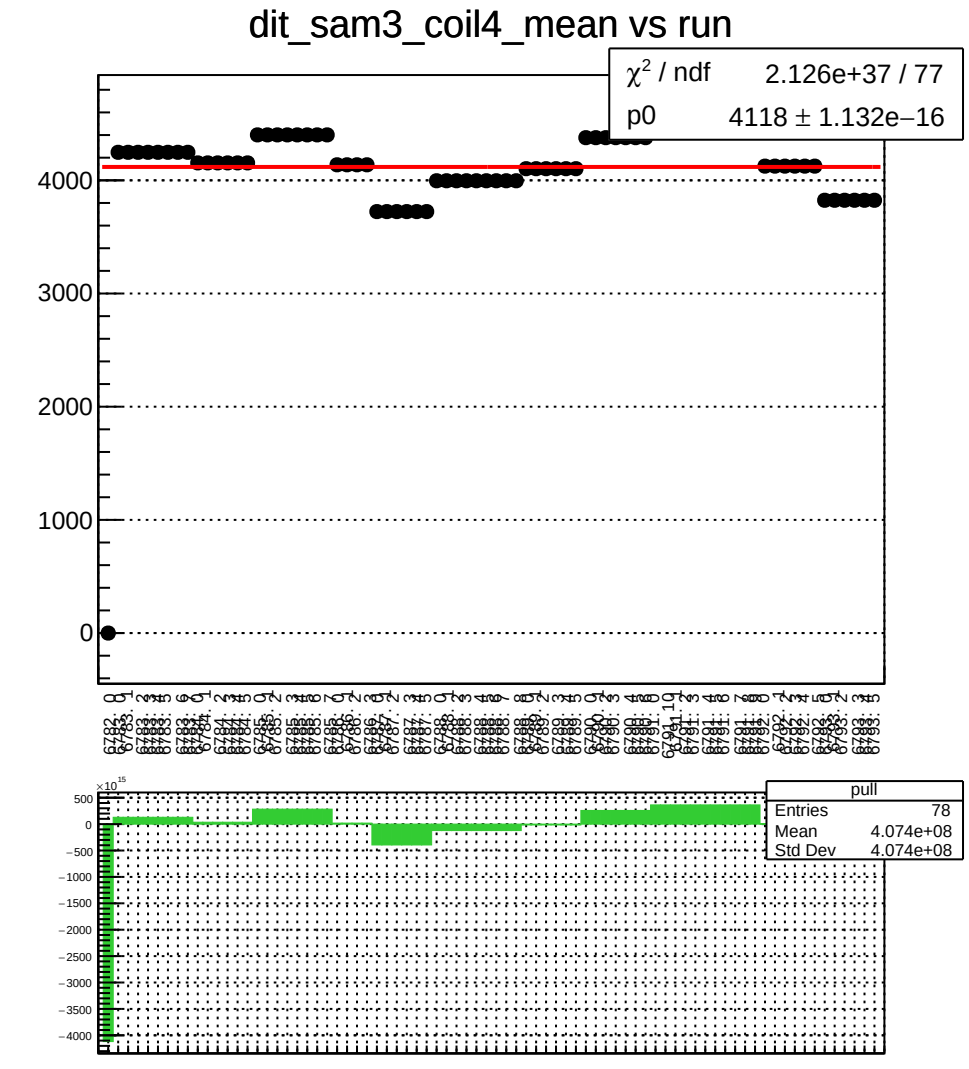

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

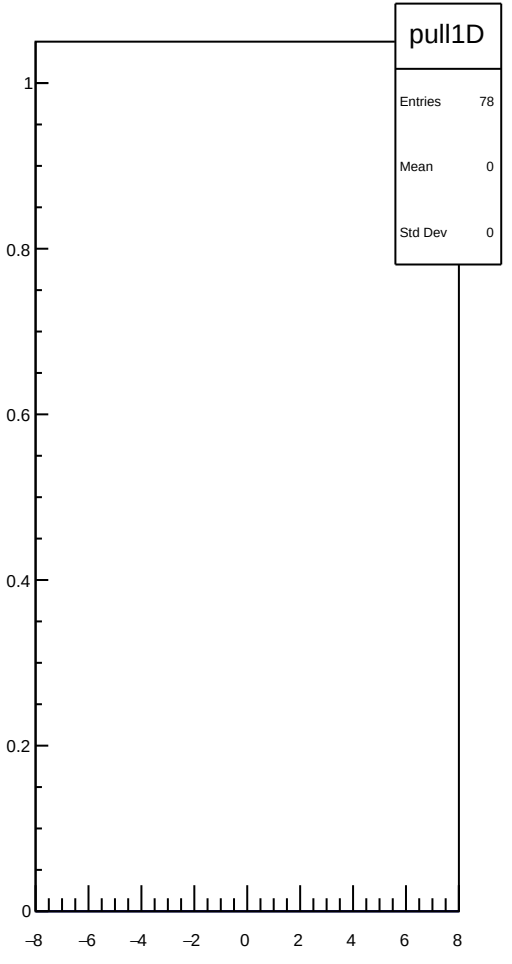

dit_sam2_coil4_err_mean vs run
χ² / ndf 1.396e+36 / 77
p0 775.9 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean 7.613e+08
Std Dev 7.613e+08
×10¹⁵
200
0
−200
−400
−600
−800

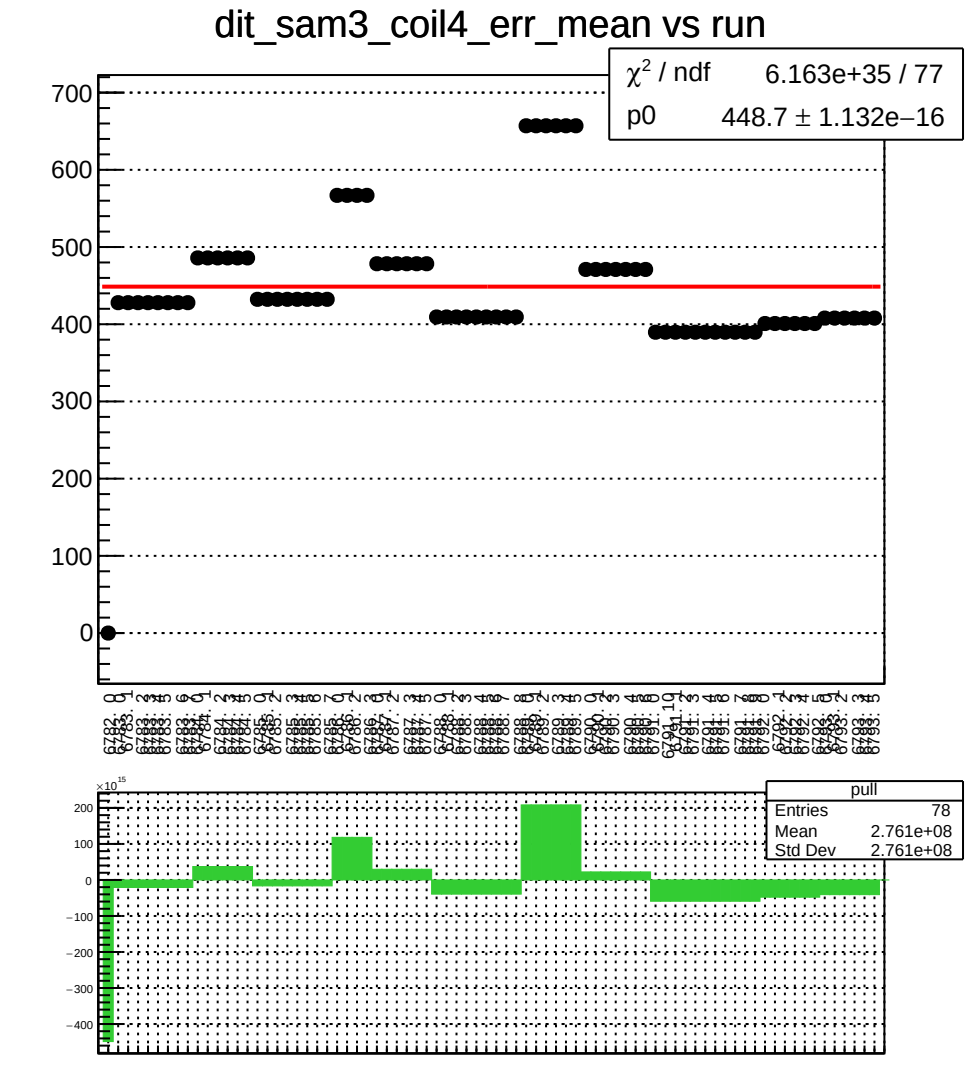

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

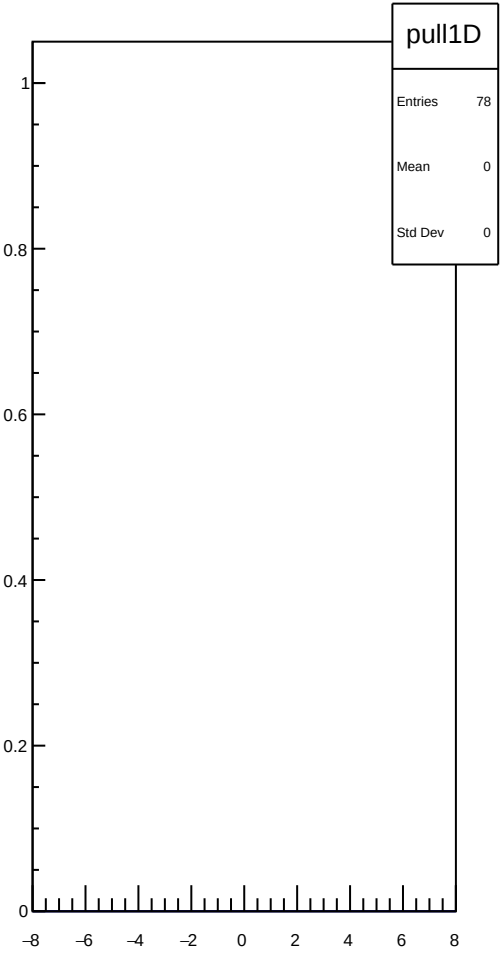

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

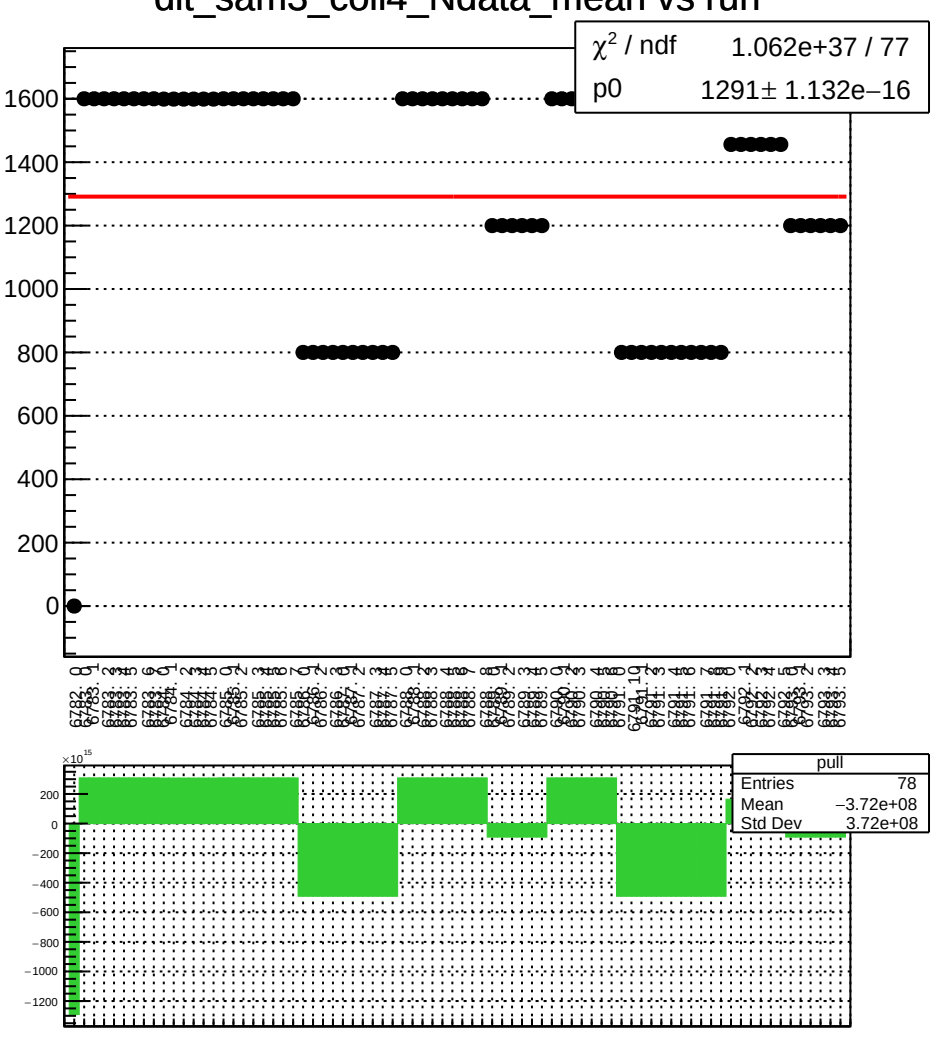

pull1D
Entries 78
Mean 0
Std Dev 0

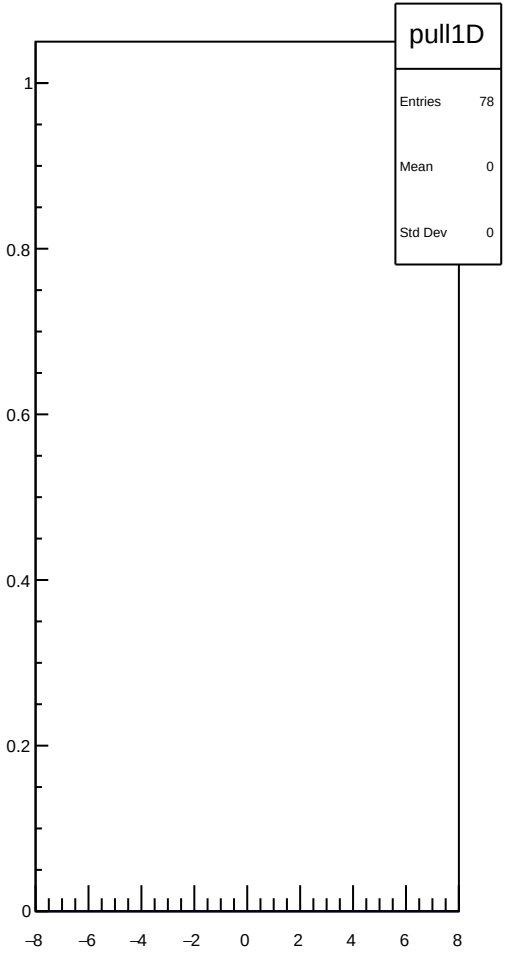

dit_sam3_coil4_mean vs run
χ² / ndf 2.126e+37 / 77
p0 4118 ± 1.132e−16
4000
3000
2000
1000
0
pull
Entries 78
Mean 4.074e+08
Std Dev 4.074e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

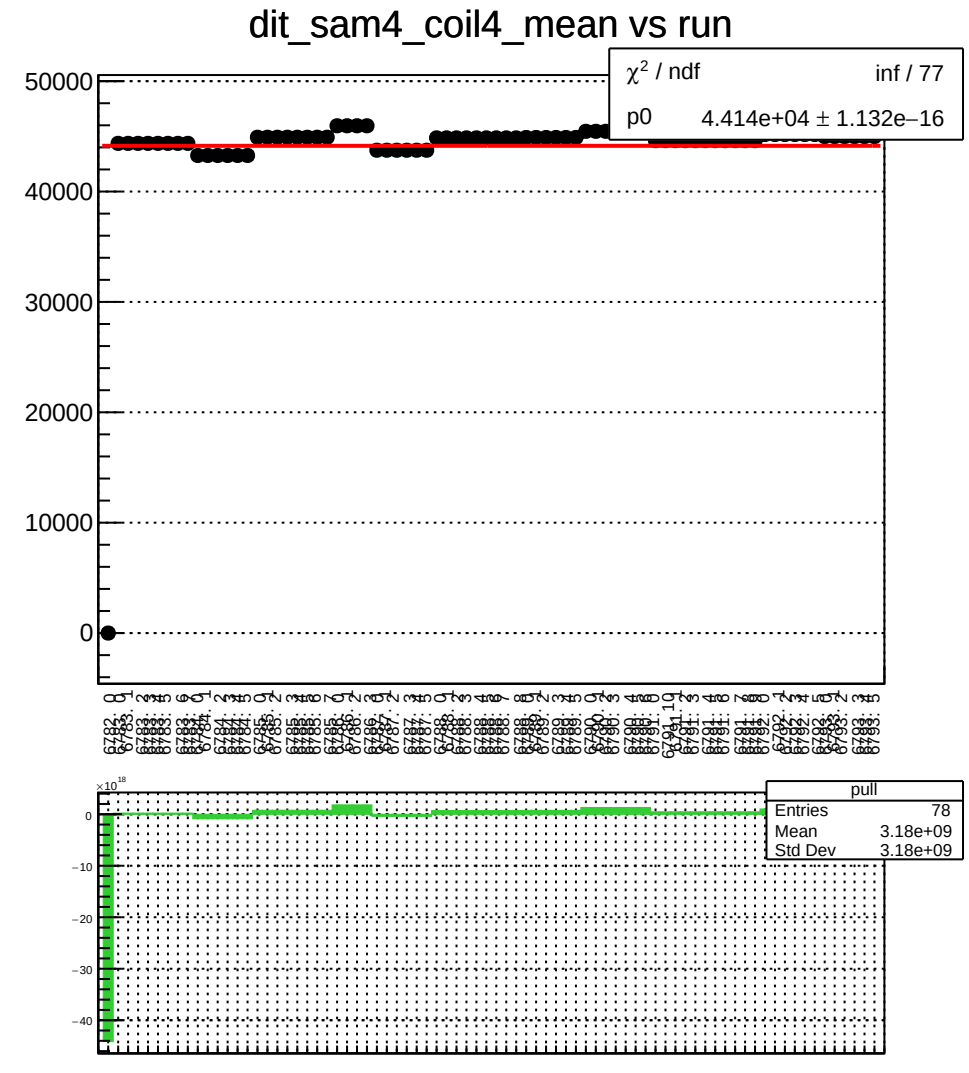

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

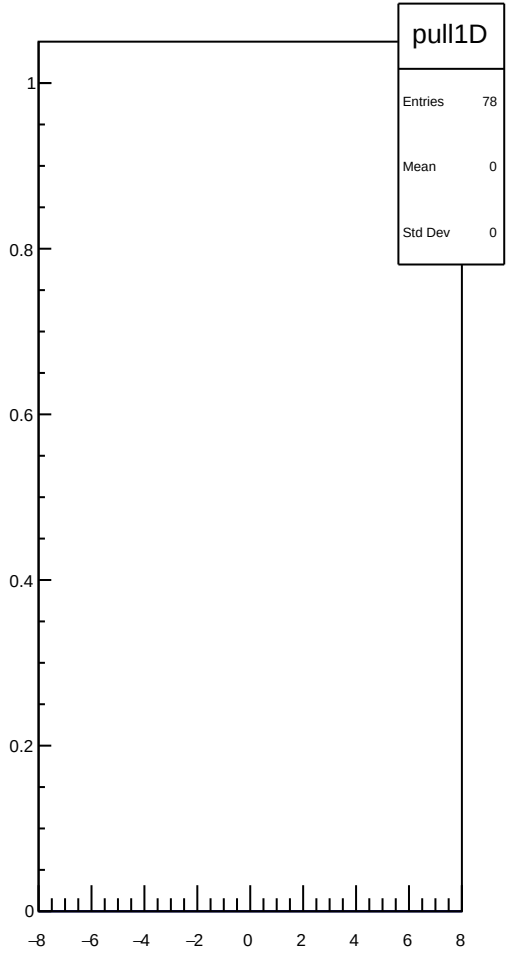

dit_sam3_coil4_err_mean vs run
χ² / ndf 6.163e+35 / 77
p0 448.7 ± 1.132e−16
pull
Entries 78
Mean 2.761e+08
Std Dev 2.761e+08

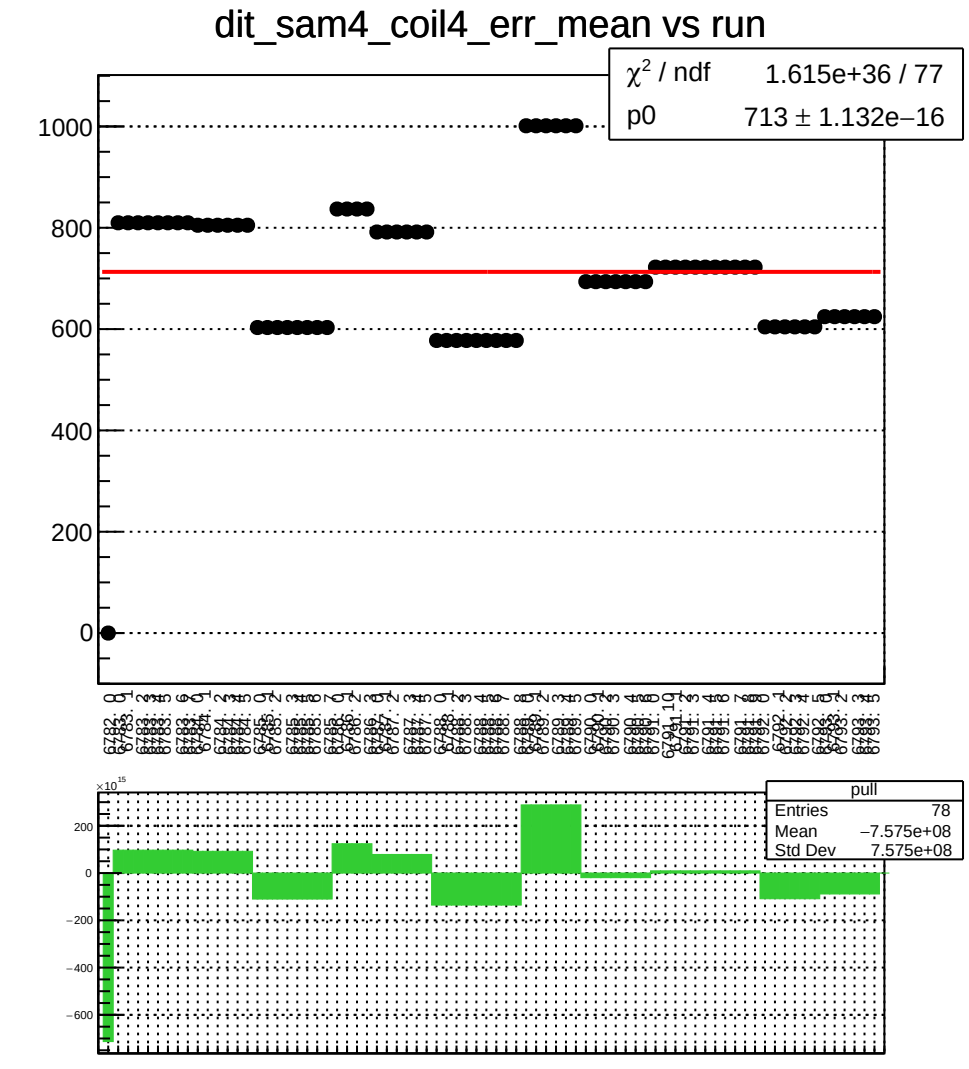

pull1D
Entries 78
Mean 0
Std Dev 0

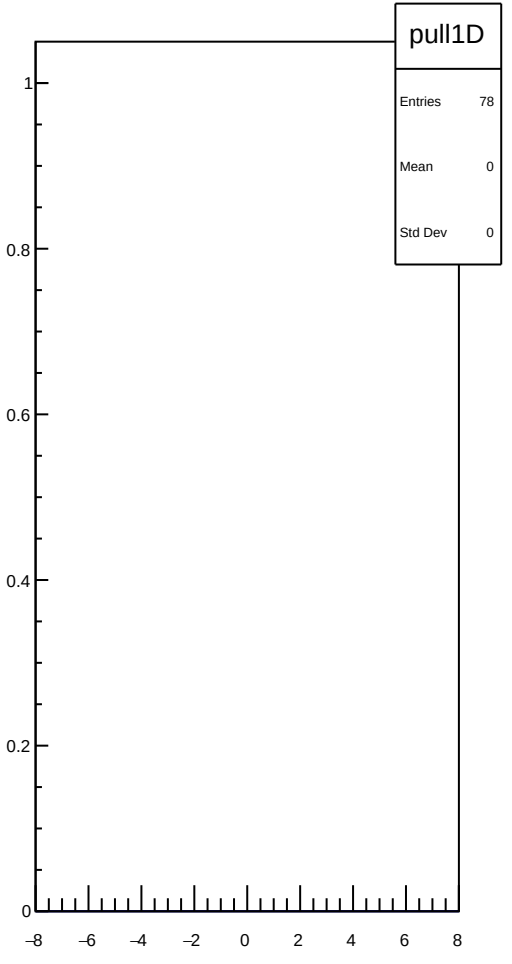

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

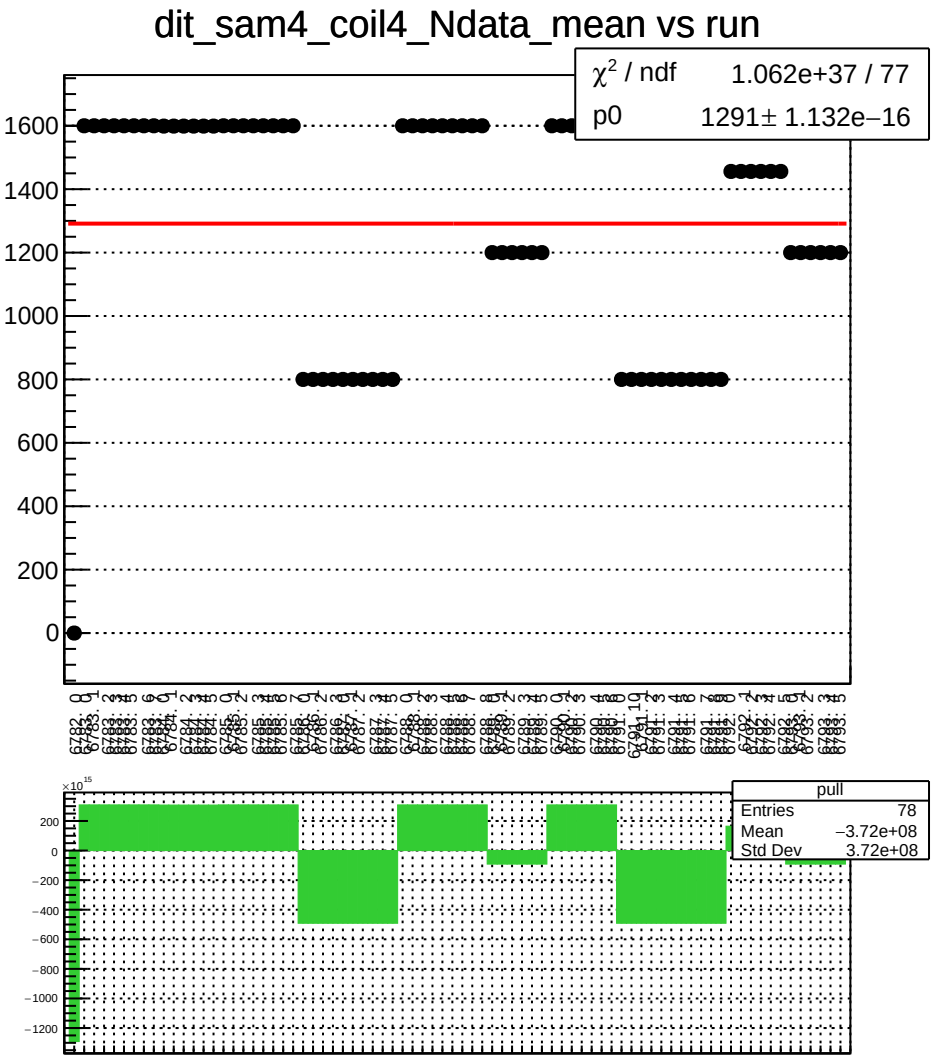

pull1D
Entries 78
Mean 0
Std Dev 0

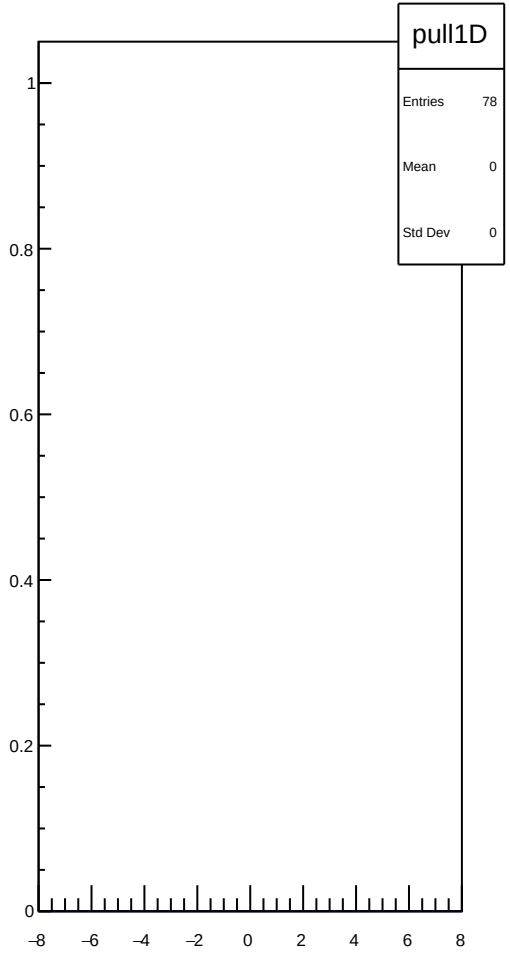

dit_sam4_coil4_mean vs run
χ² / ndf inf / 77
p0 4.414e+04 ± 1.132e−16
pull
Entries 78
Mean 3.18e+09
Std Dev 3.18e+09

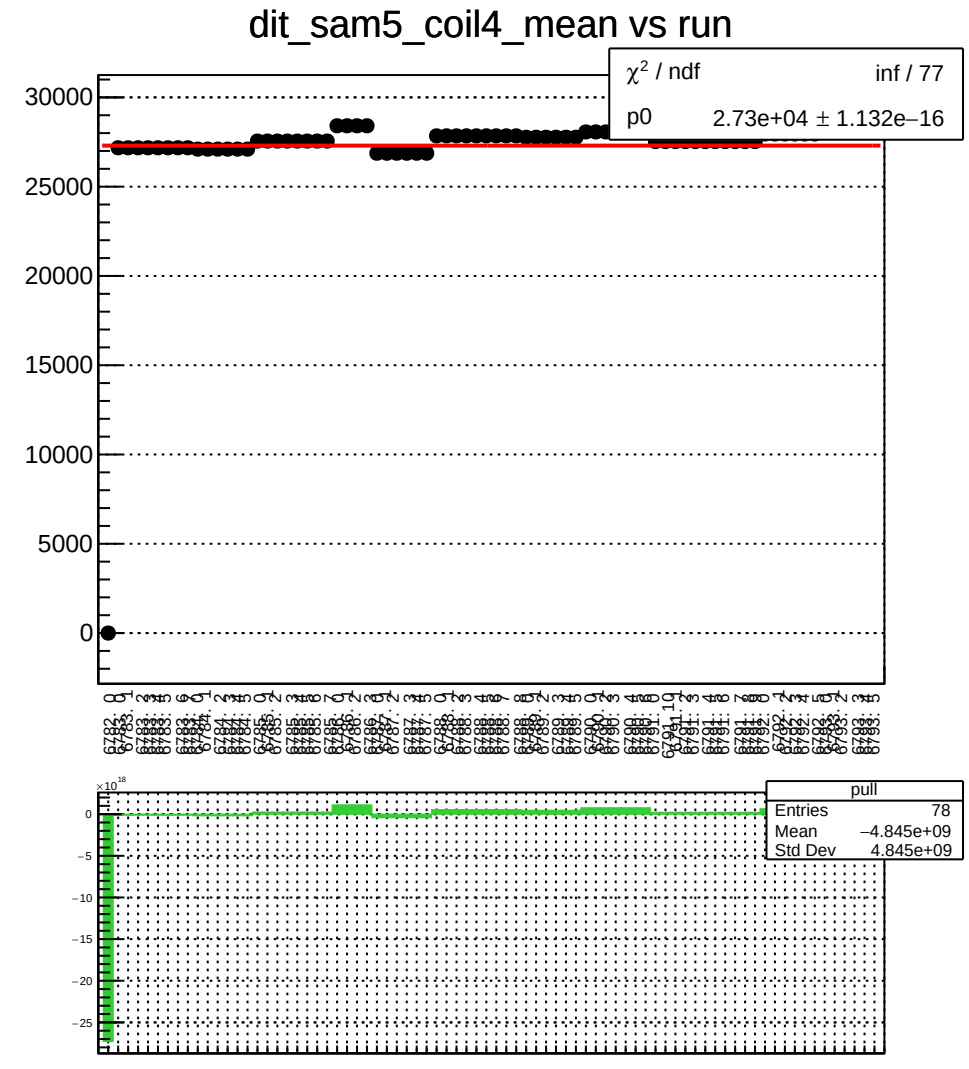

pull1D
Entries 78
Mean 0
Std Dev 0

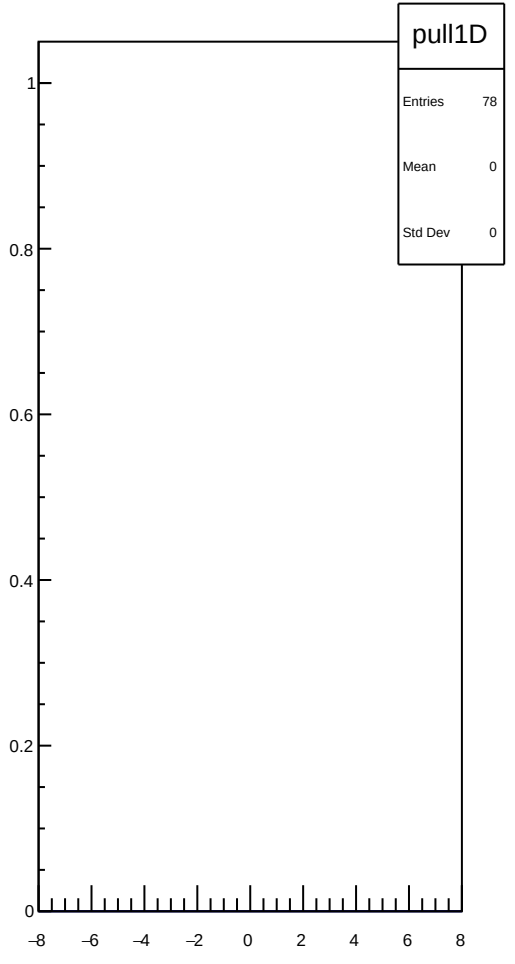

dit_sam4_coil4_err_mean vs run
χ² / ndf 1.615e+36 / 77
p0 713 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −7.575e+08
Std Dev 7.575e+08
×10¹⁵
200
0
−200
−400
−600

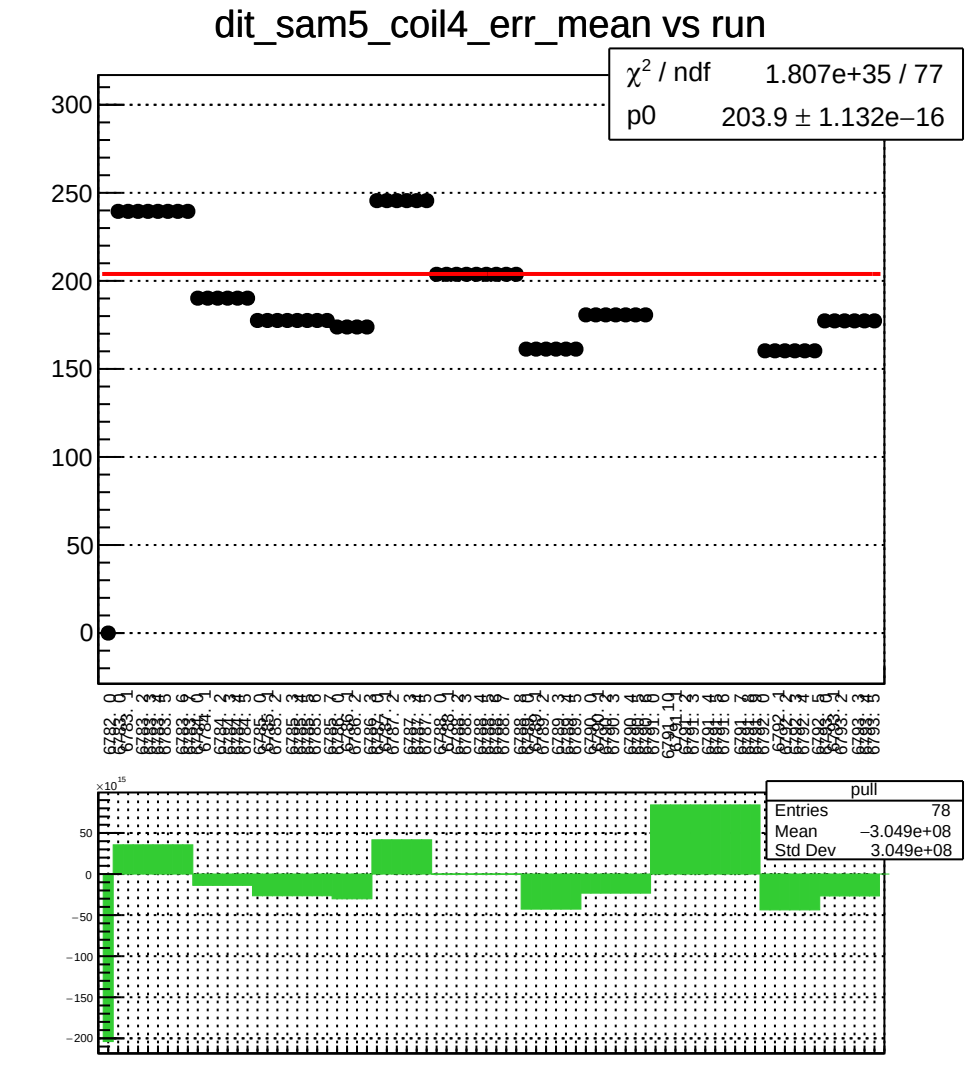

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

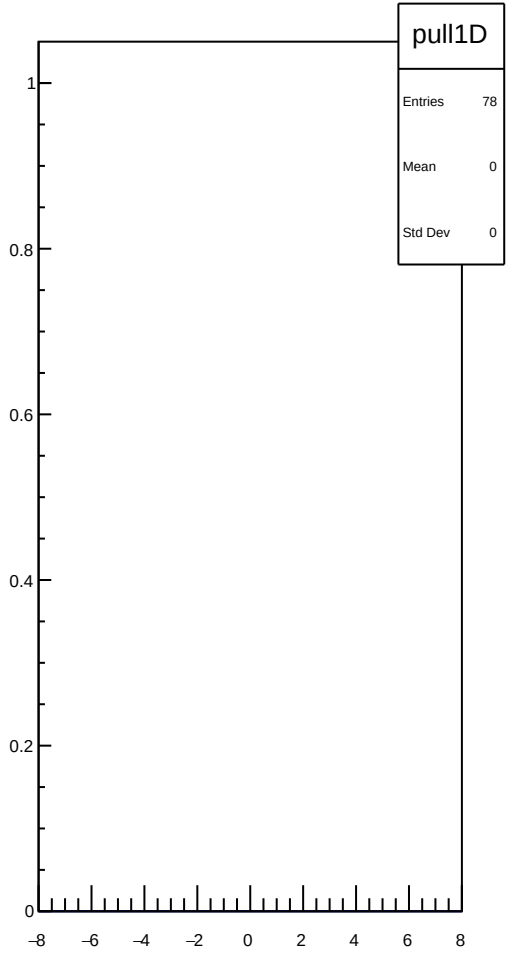

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

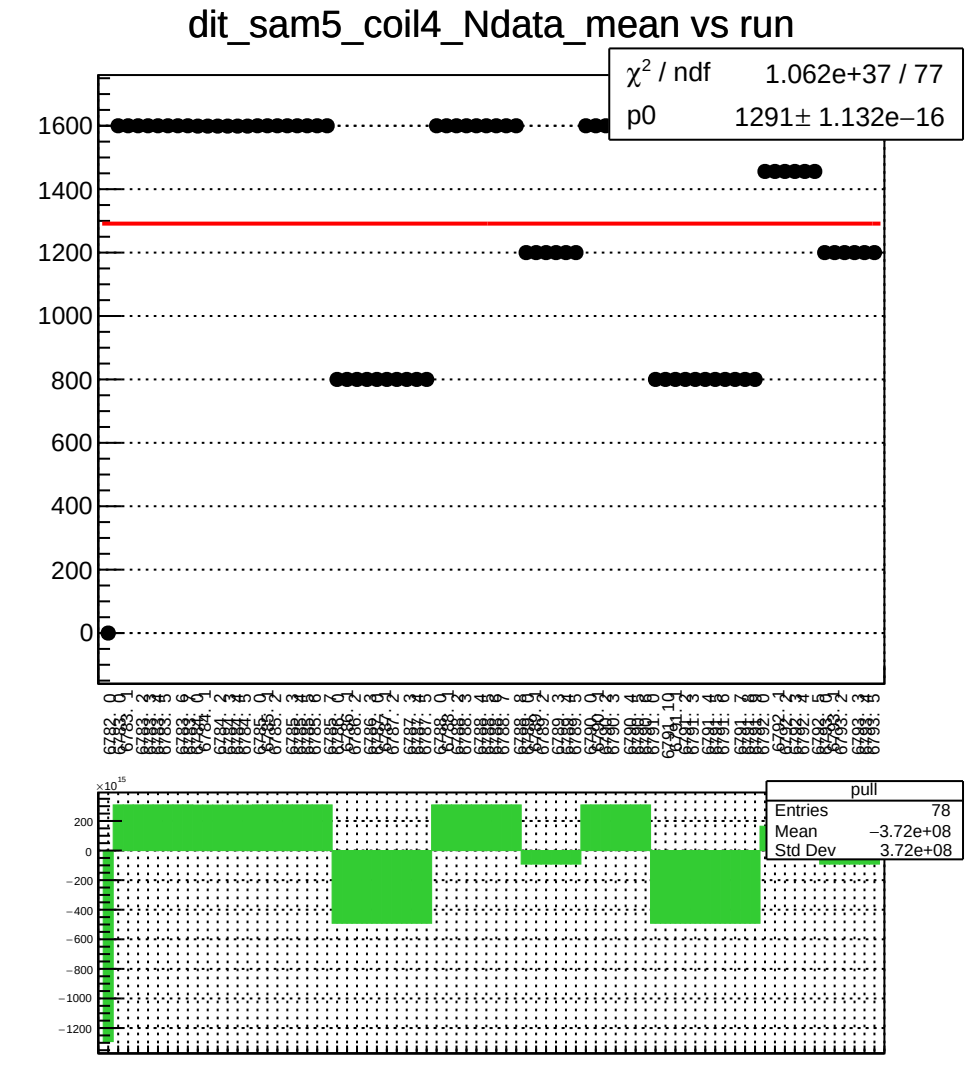

pull1D
Entries 78
Mean 0
Std Dev 0

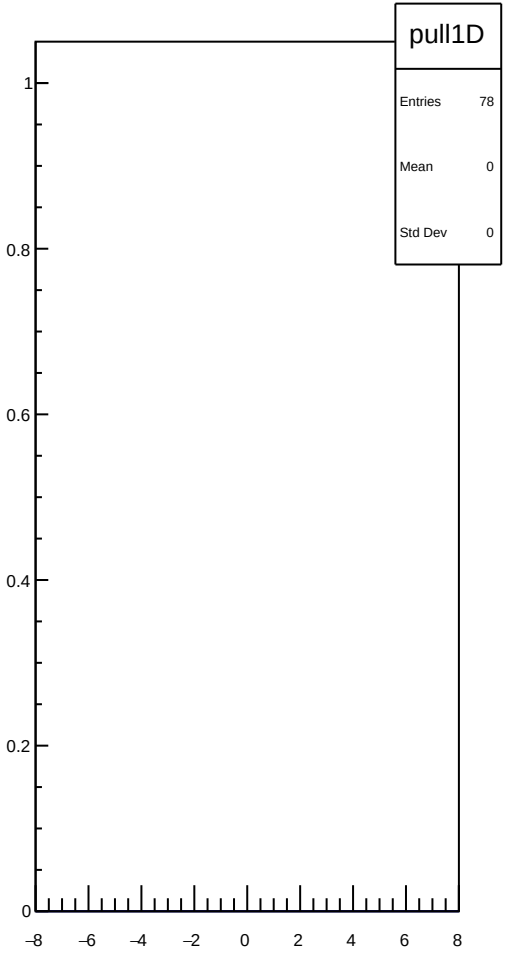

dit_sam5_coil4_mean vs run
χ² / ndf inf / 77
p0 2.73e+04 ± 1.132e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 78
Mean −4.845e+09
Std Dev 4.845e+09
×10¹⁸
0
−5
−10
−15
−20
−25

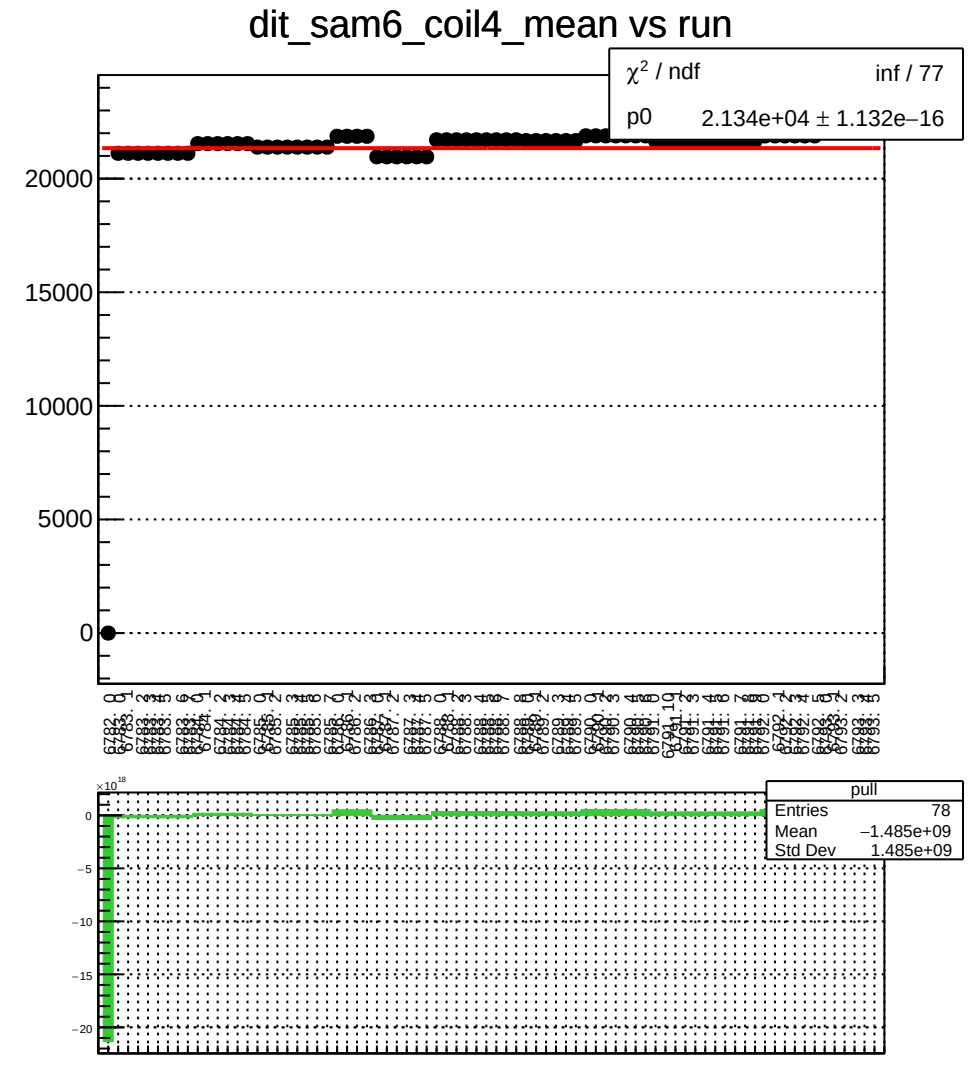

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

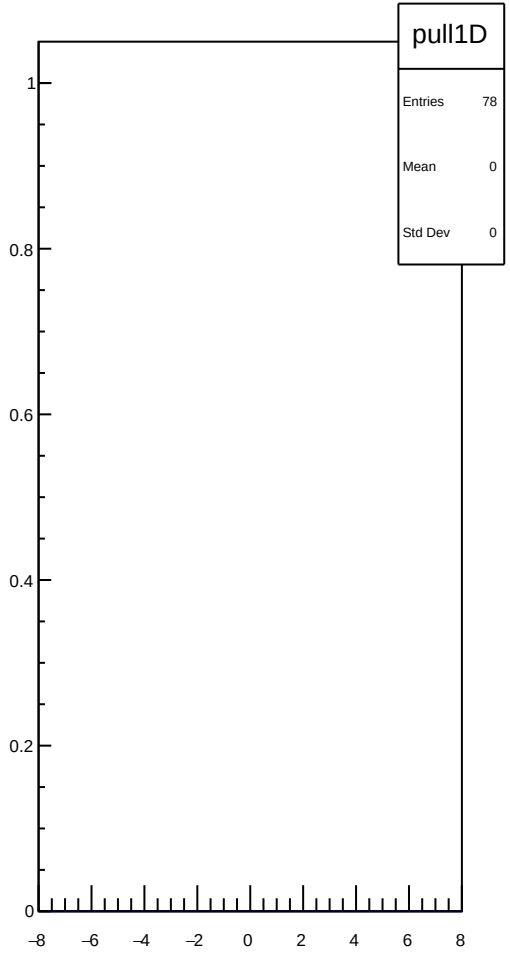

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.807e+35 / 77
p0 203.9 ± 1.132e−16
pull
Entries 78
Mean −3.049e+08
Std Dev 3.049e+08

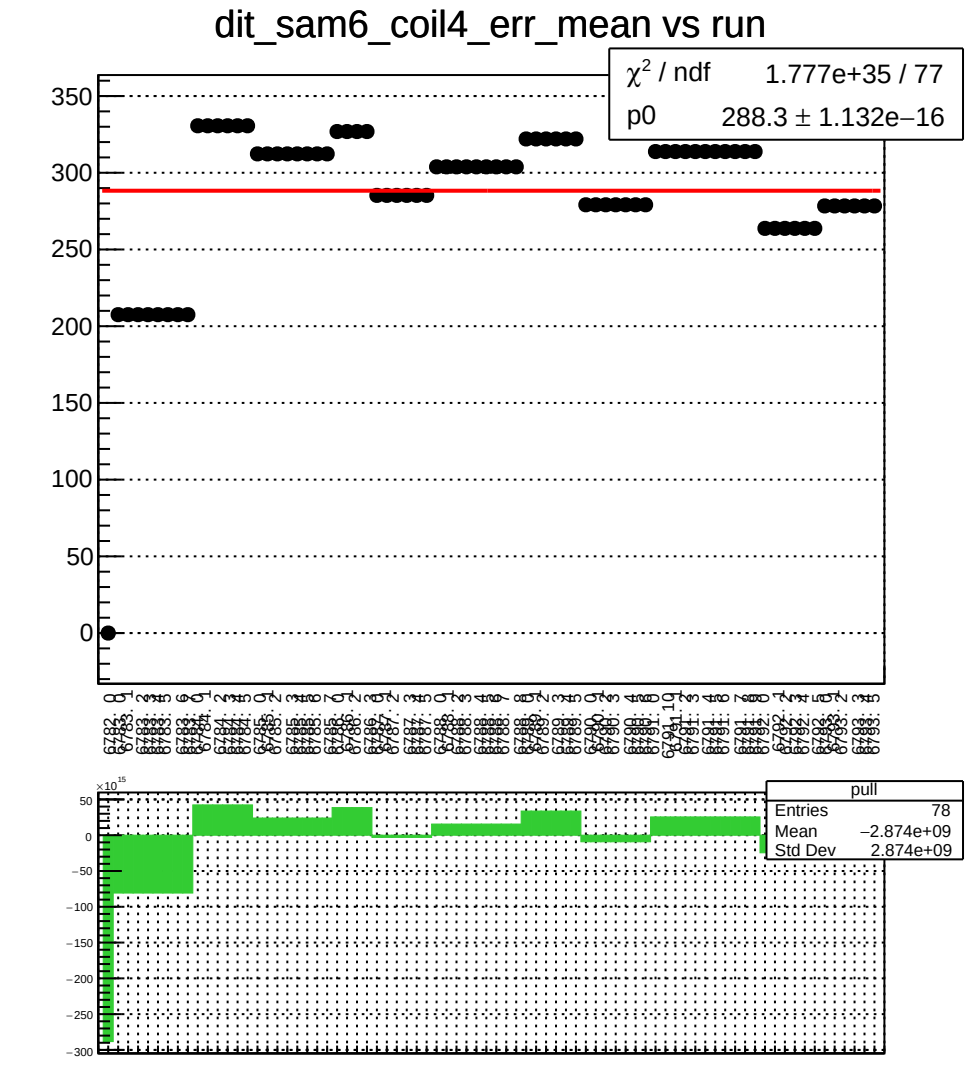

pull1D
Entries 78
Mean 0
Std Dev 0

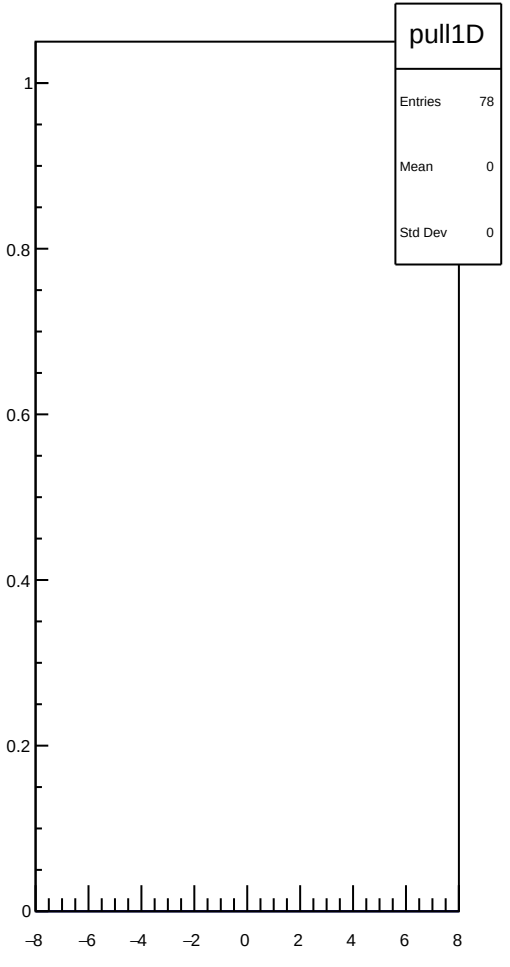

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

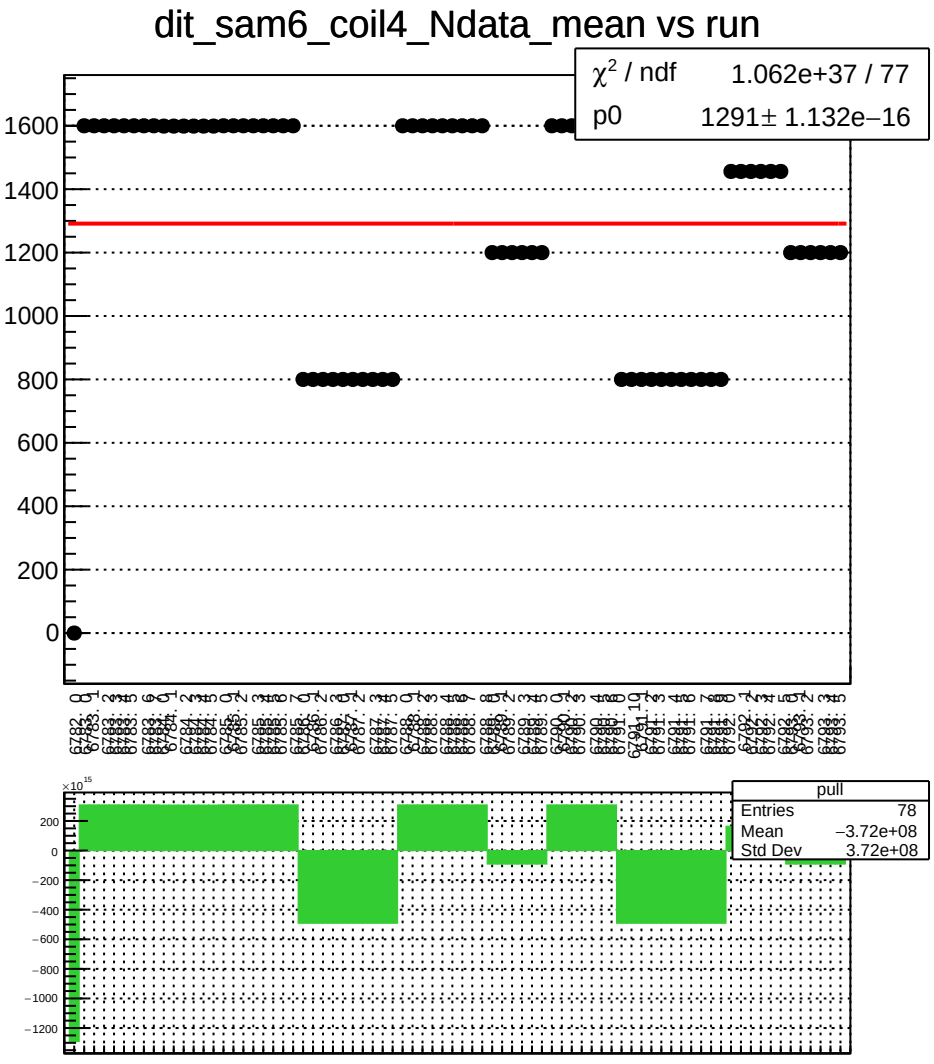

pull1D
Entries 78
Mean 0
Std Dev 0

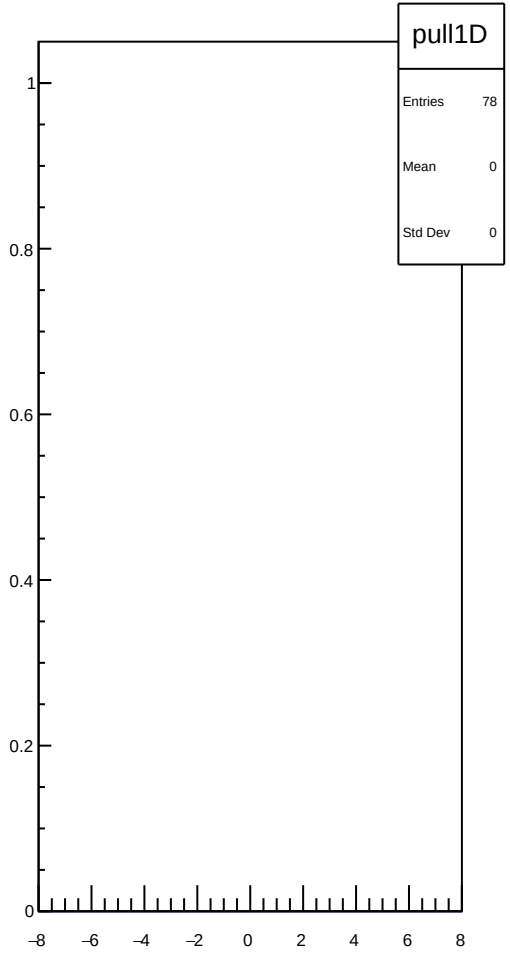

dit_sam6_coil4_mean vs run
χ² / ndf inf / 77
p0 2.134e+04 ± 1.132e−16
20000
15000
10000
5000
0
×10¹⁸
pull
Entries 78
Mean −1.485e+09
Std Dev 1.485e+09

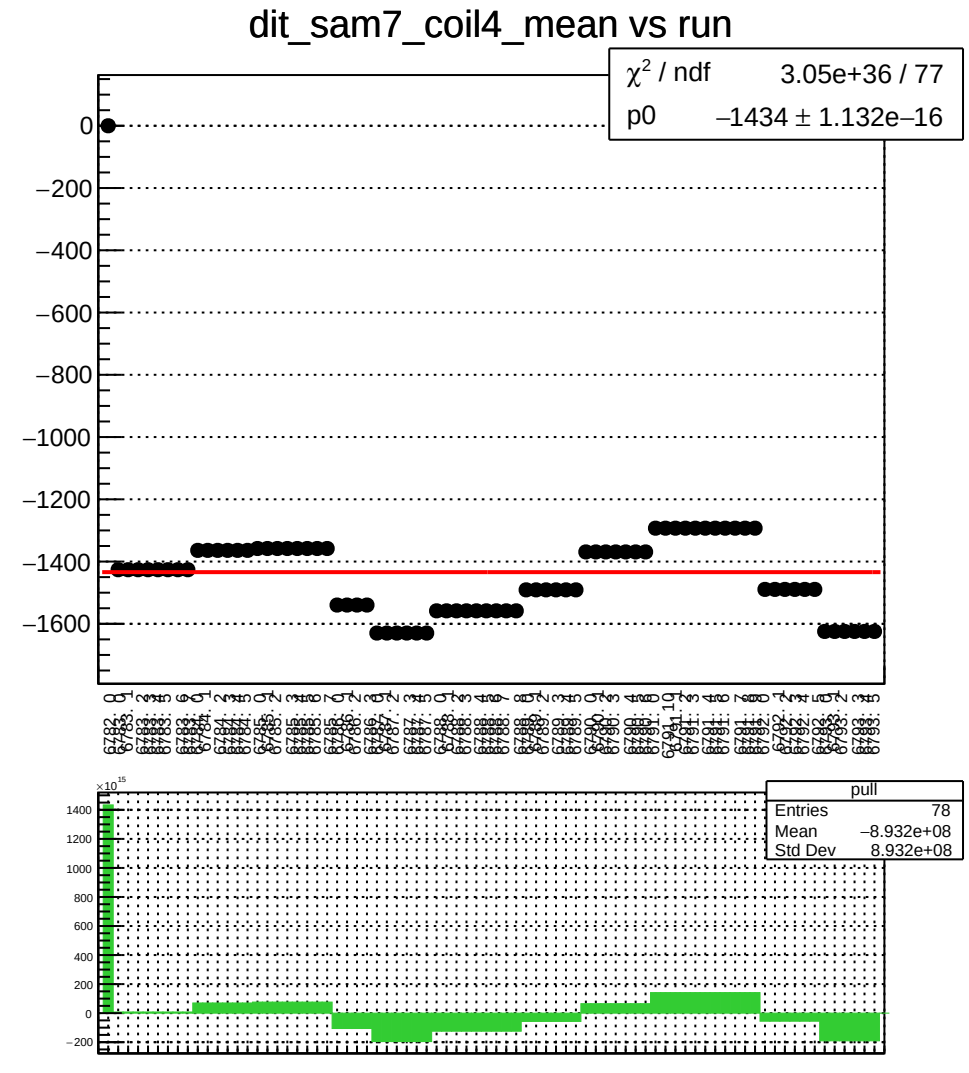

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

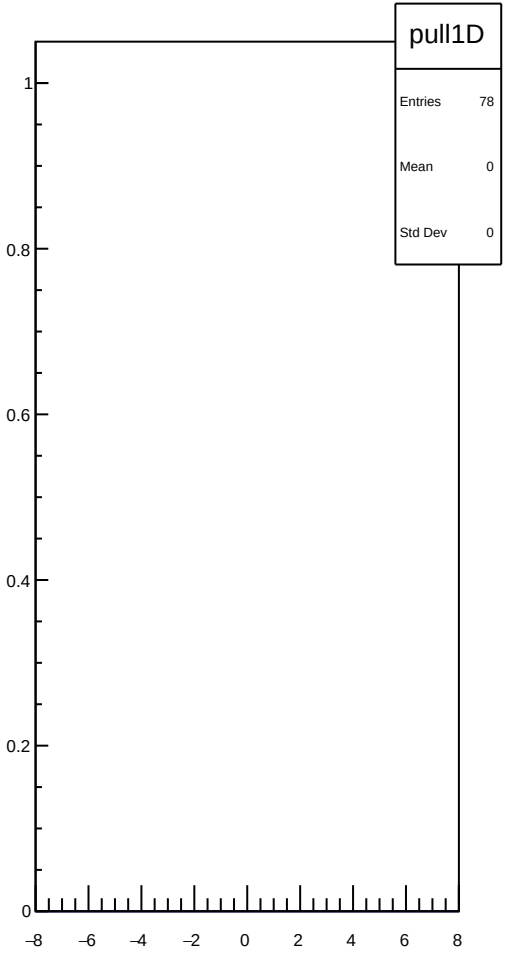

dit_sam6_coil4_err_mean vs run
χ² / ndf 1.777e+35 / 77
p0 288.3 ± 1.132e−16
pull
Entries 78
Mean −2.874e+09
Std Dev 2.874e+09

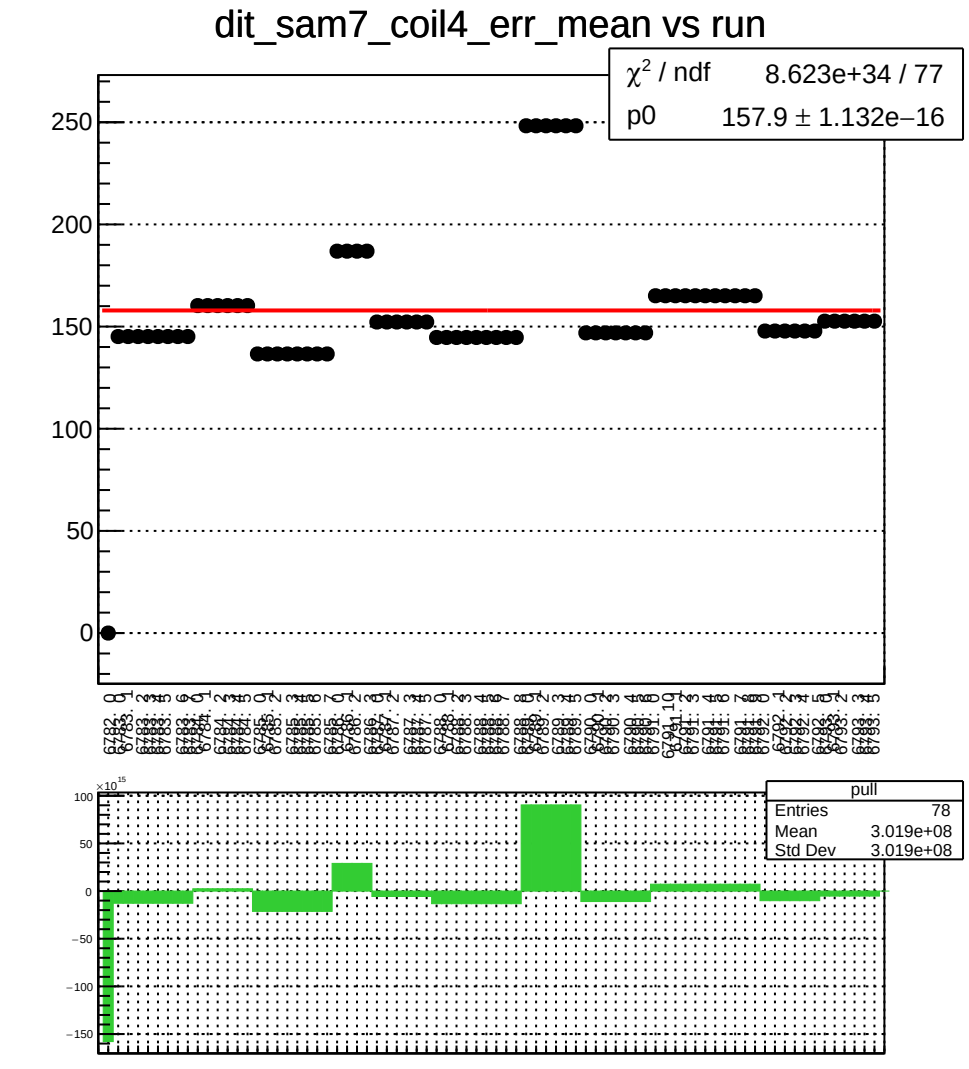

pull1D
Entries 78
Mean 0
Std Dev 0

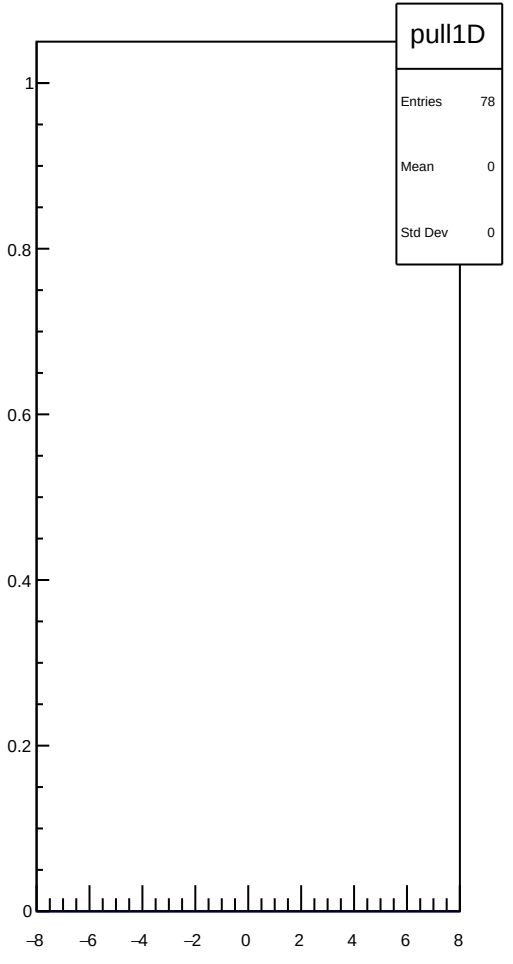

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

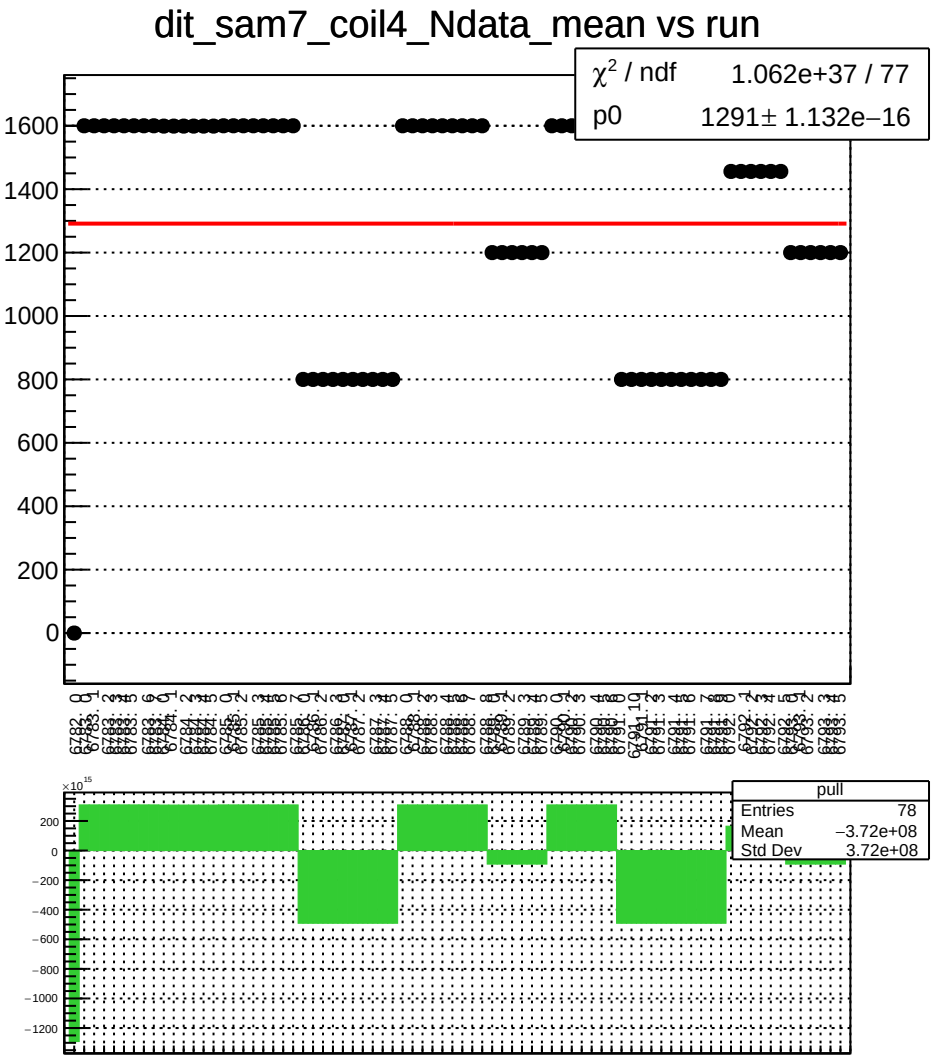

pull1D
Entries 78
Mean 0
Std Dev 0

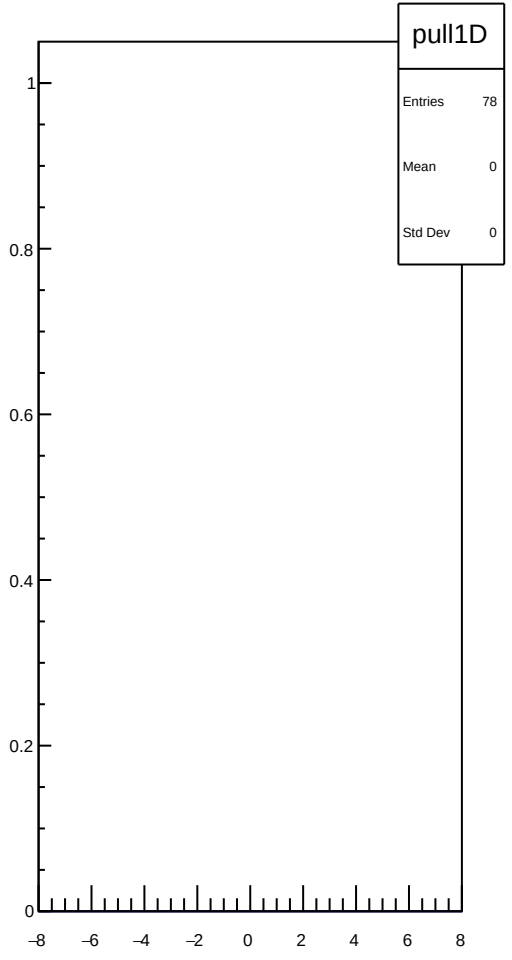

dit_sam7_coil4_mean vs run
χ² / ndf 3.05e+36 / 77
p0 −1434 ± 1.132e−16
pull
Entries 78
Mean −8.932e+08
Std Dev 8.932e+08
×10¹⁵

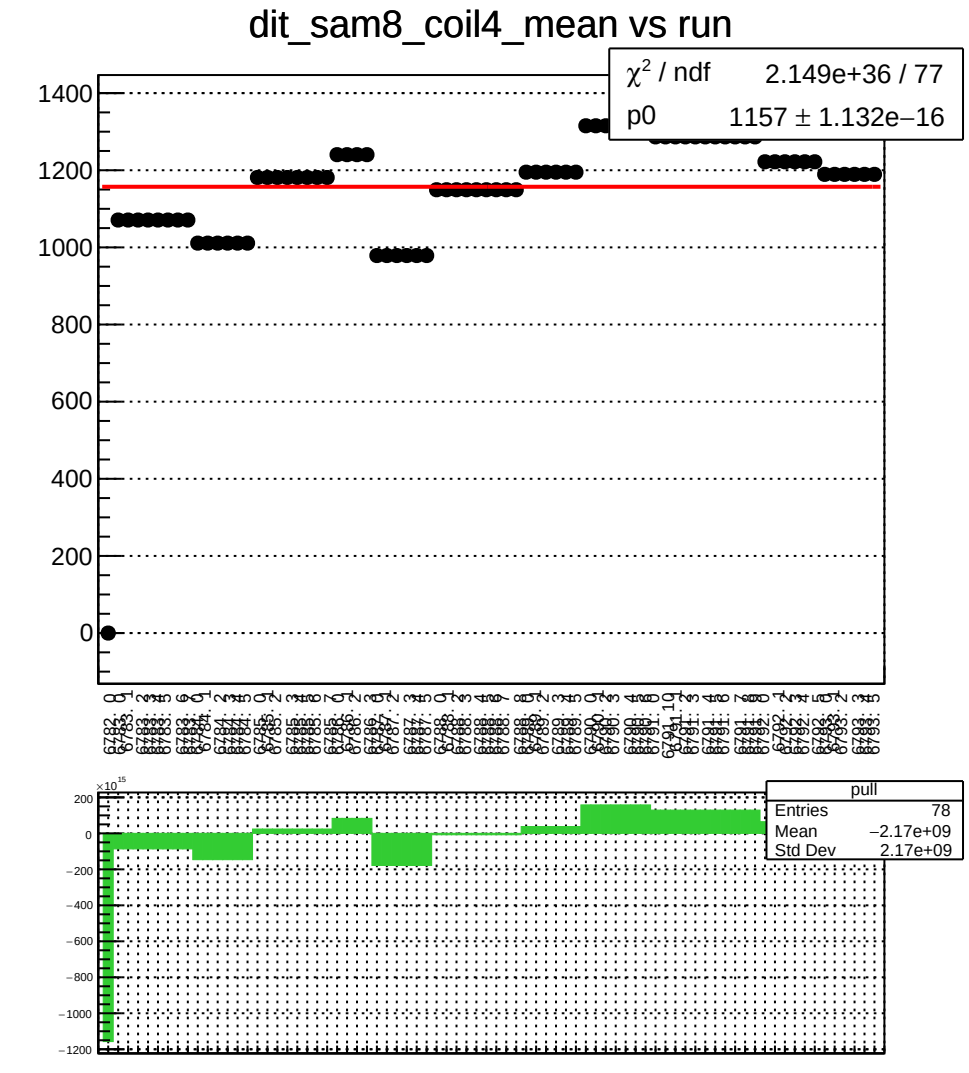

pull1D
Entries 78
Mean 0
Std Dev 0

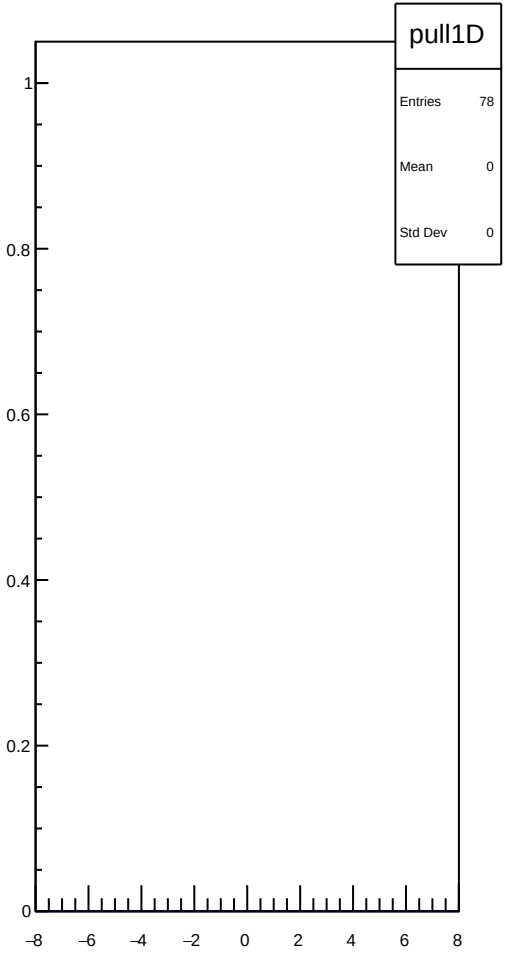

dit_sam7_coil4_err_mean vs run
χ² / ndf 8.623e+34 / 77
p0 157.9 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean 3.019e+08
Std Dev 3.019e+08
×10¹⁵
100
50
0
−50
−100
−150

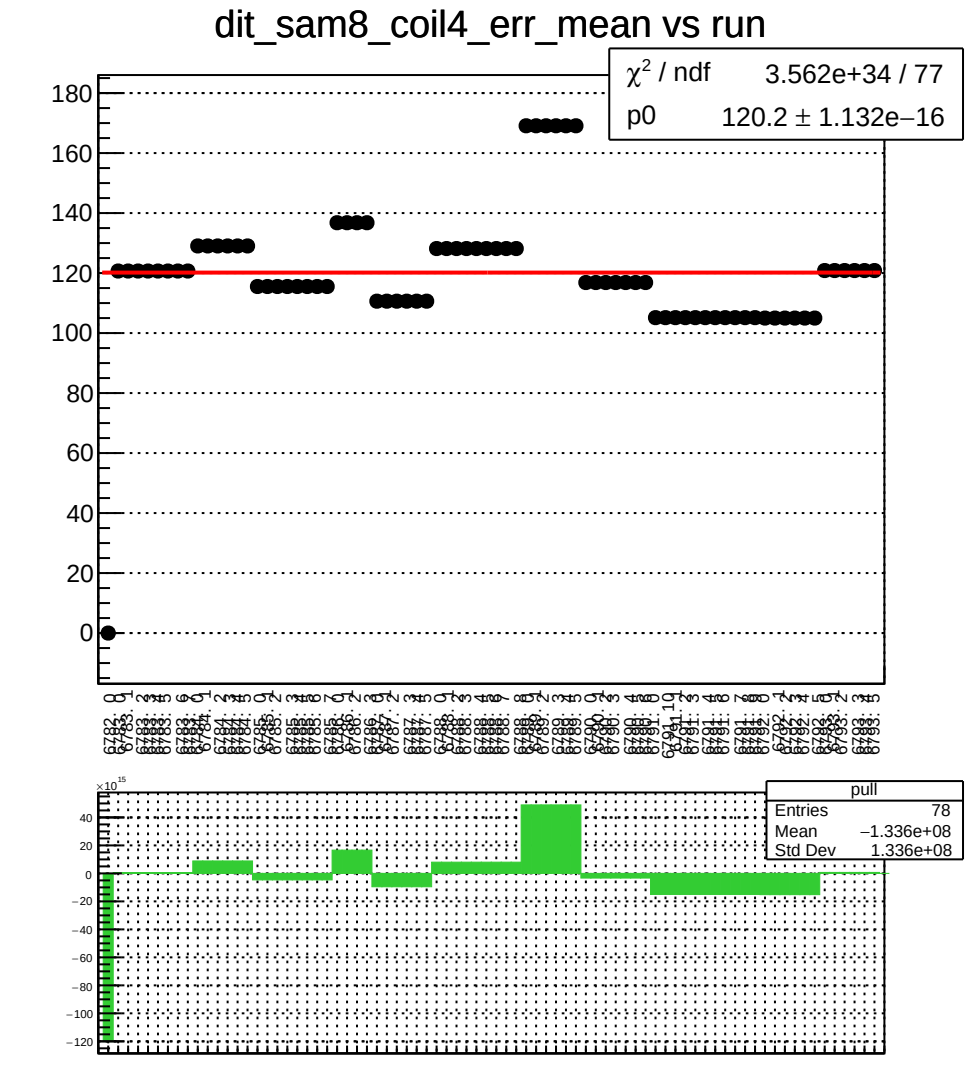

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

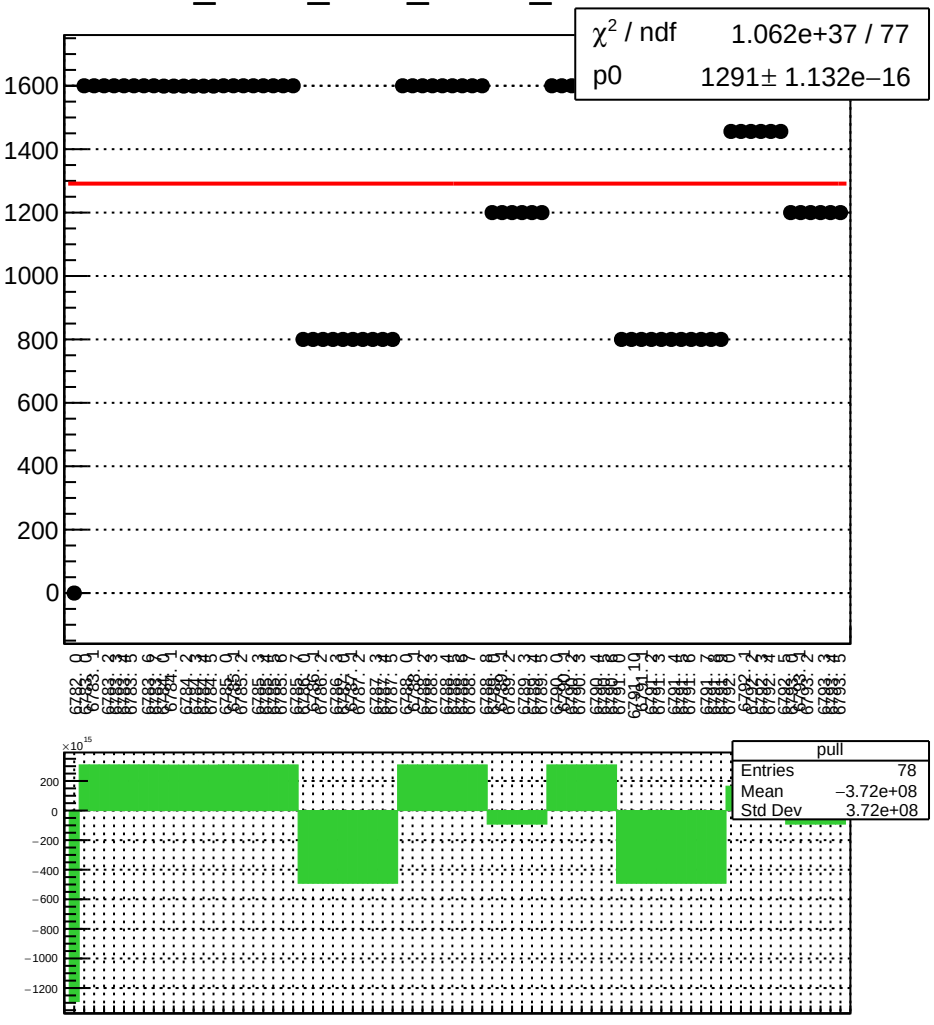

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

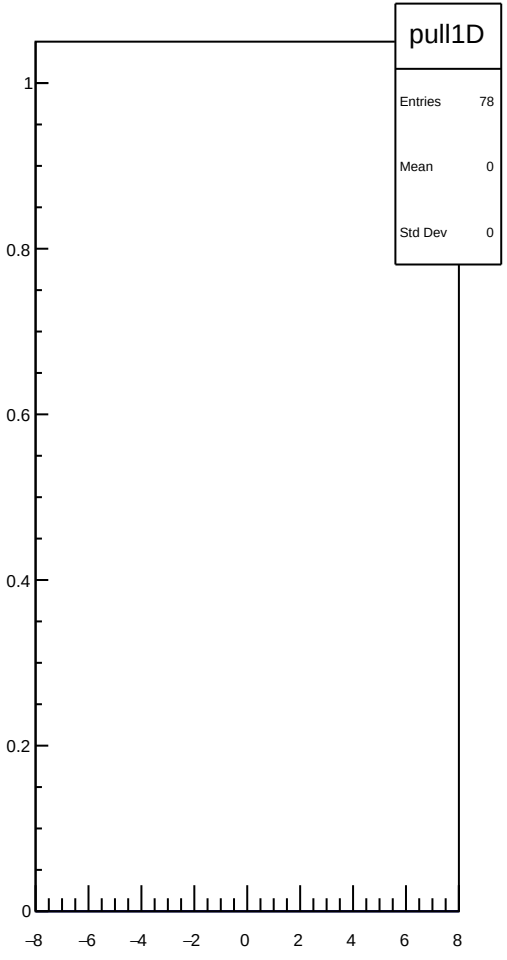

pull1D
Entries 78
Mean 0
Std Dev 0

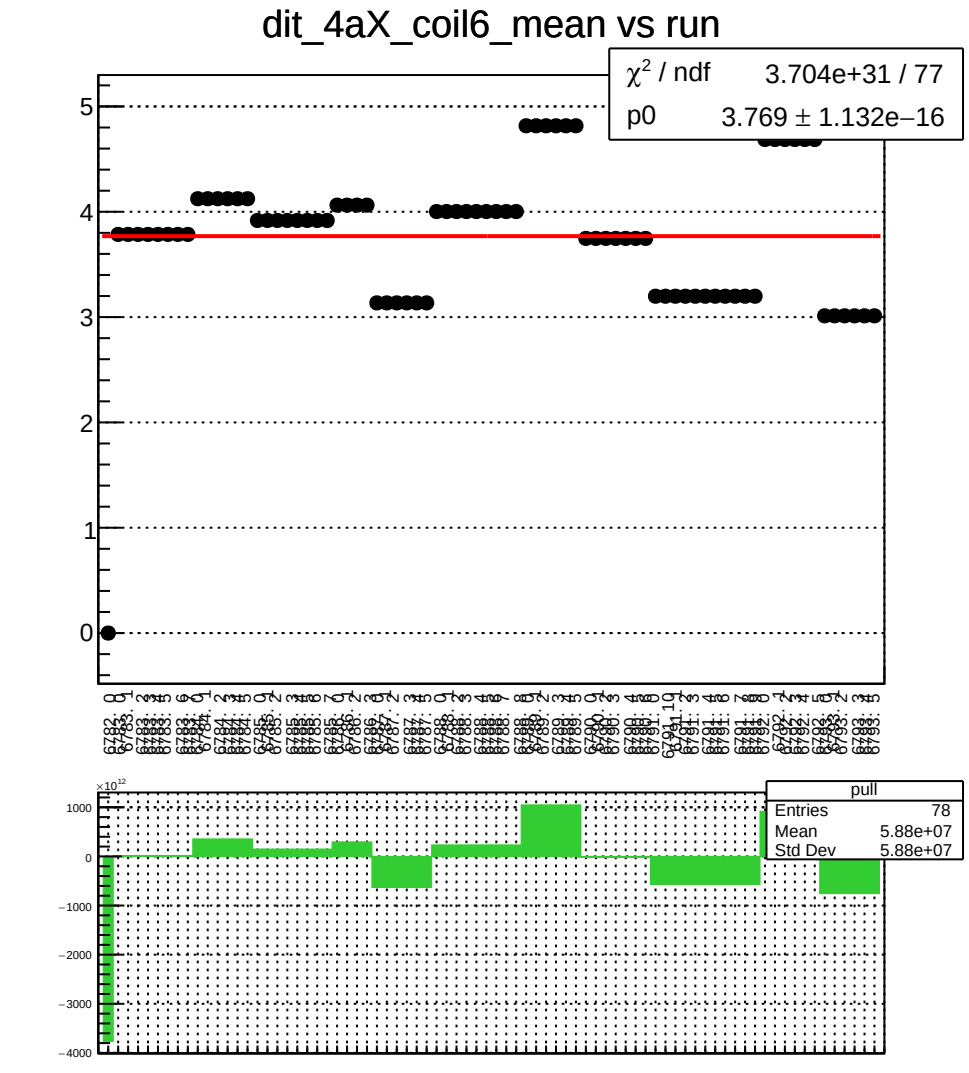

dit_sam8_coil4_mean vs run
χ² / ndf 2.149e+36 / 77
p0 1157 ± 1.132e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 78
Mean −2.17e+09
Std Dev 2.17e+09
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200

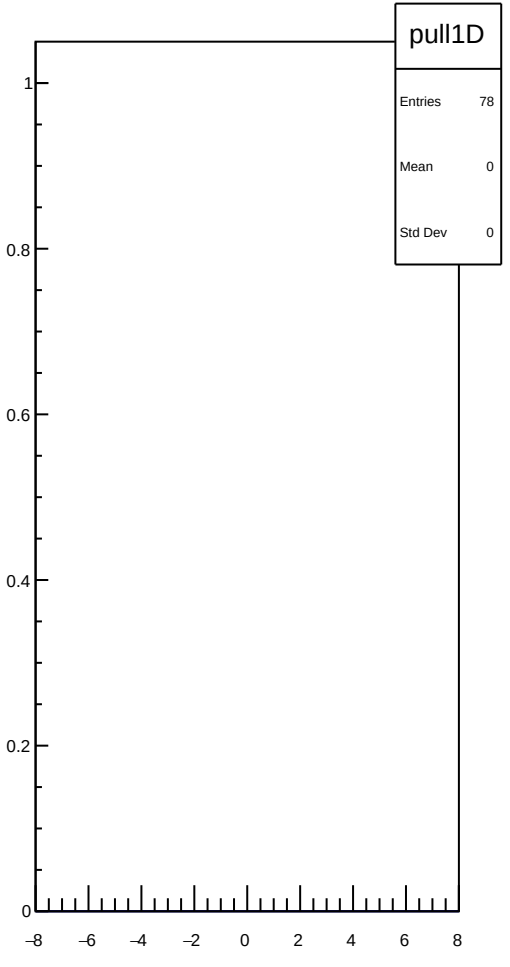

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

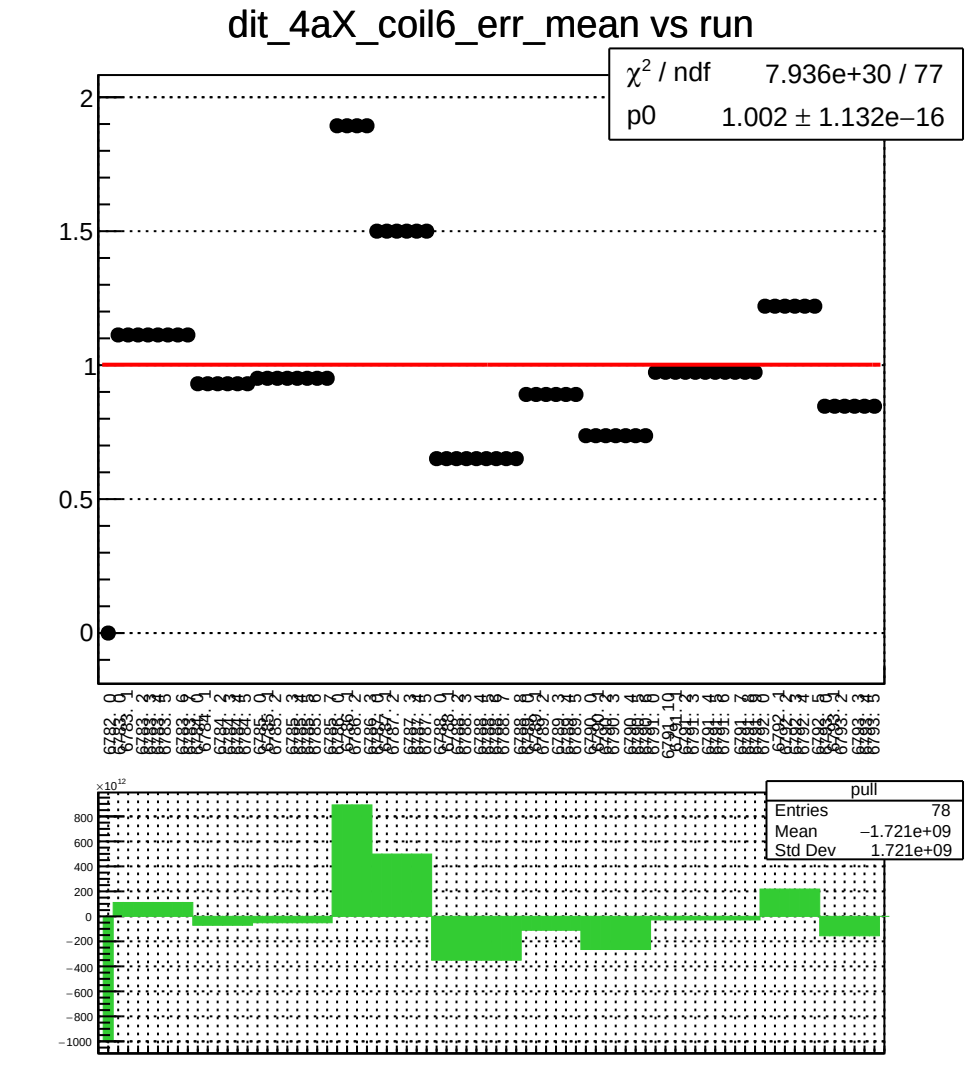

dit_sam8_coil4_err_mean vs run
χ² / ndf 3.562e+34 / 77
p0 120.2 ± 1.132e−16
pull
Entries 78
Mean −1.336e+08
Std Dev 1.336e+08
pull1D
Entries 78
Mean 0
Std Dev 0

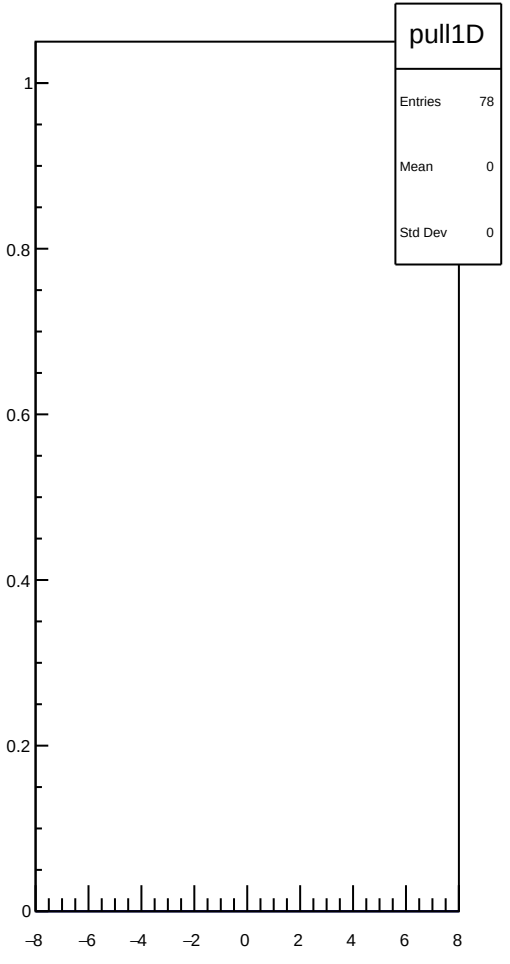

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.062e+37 / 77
p0 1291± 1.132e−16
pull
Entries 78
Mean −3.72e+08
Std Dev 3.72e+08

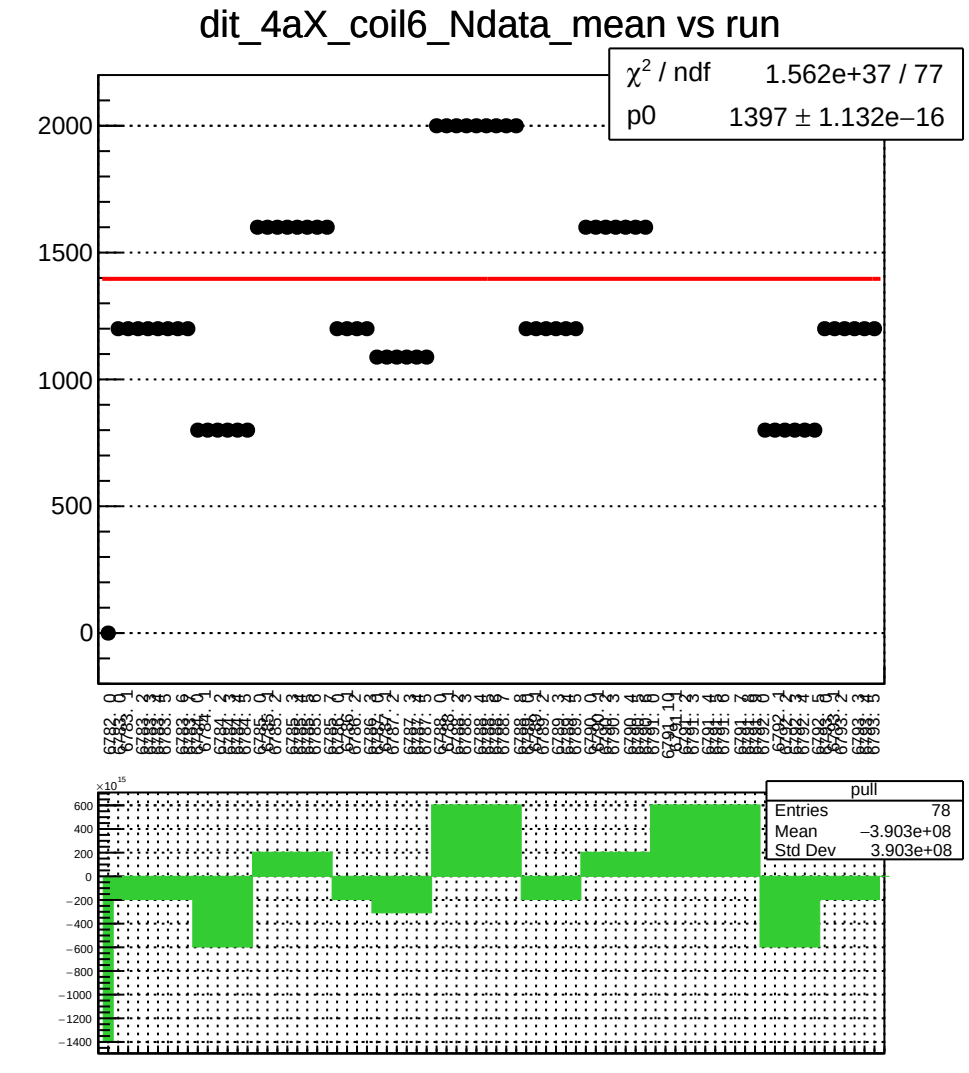

pull1D
Entries 78
Mean 0
Std Dev 0

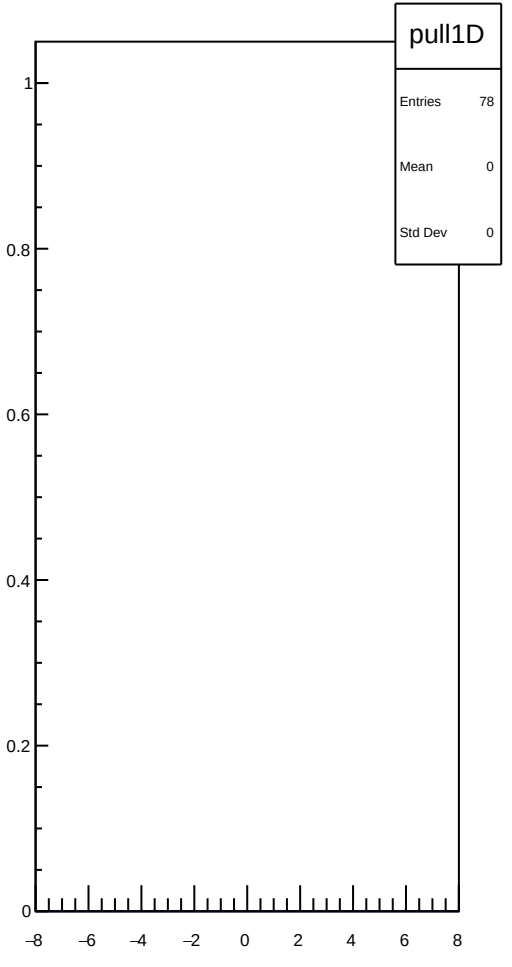

dit_4aX_coil6_mean vs run
χ² / ndf 3.704e+31 / 77
p0 3.769 ± 1.132e−16
pull
Entries 78
Mean 5.88e+07
Std Dev 5.88e+07
×10¹²

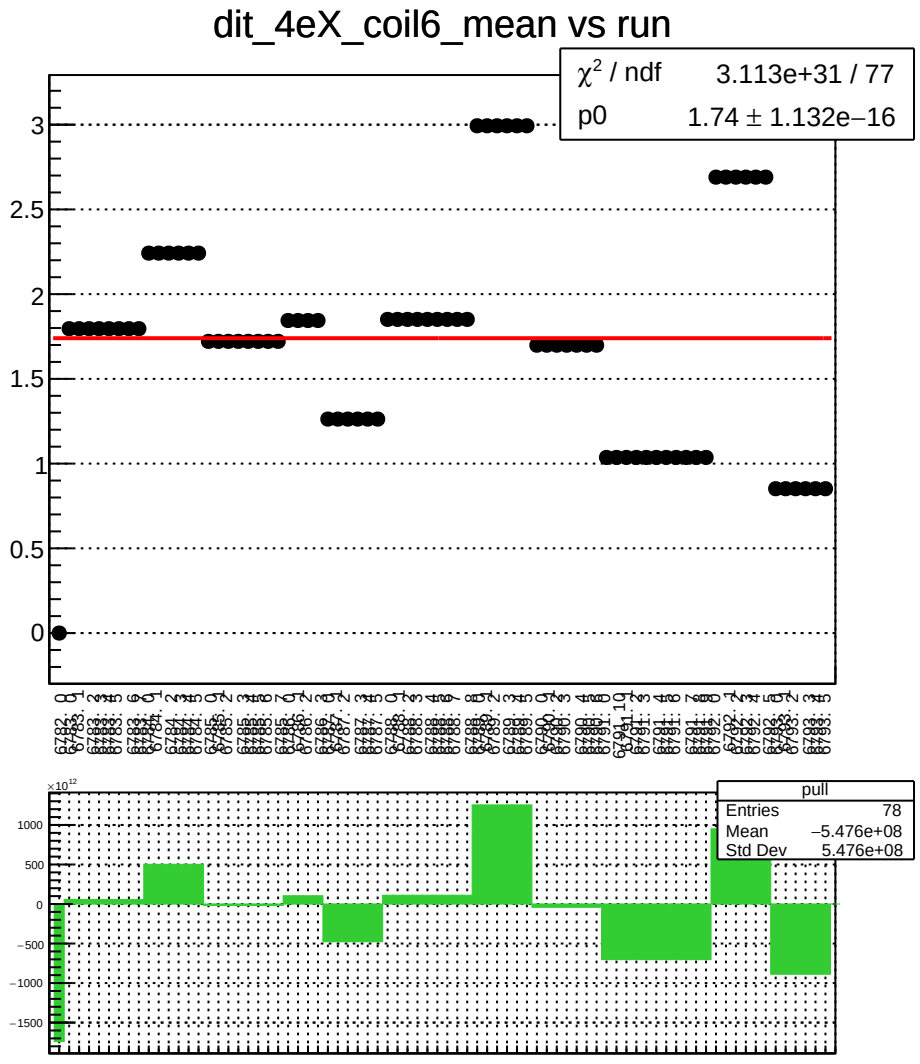

pull1D
Entries 78
Mean 0
Std Dev 0

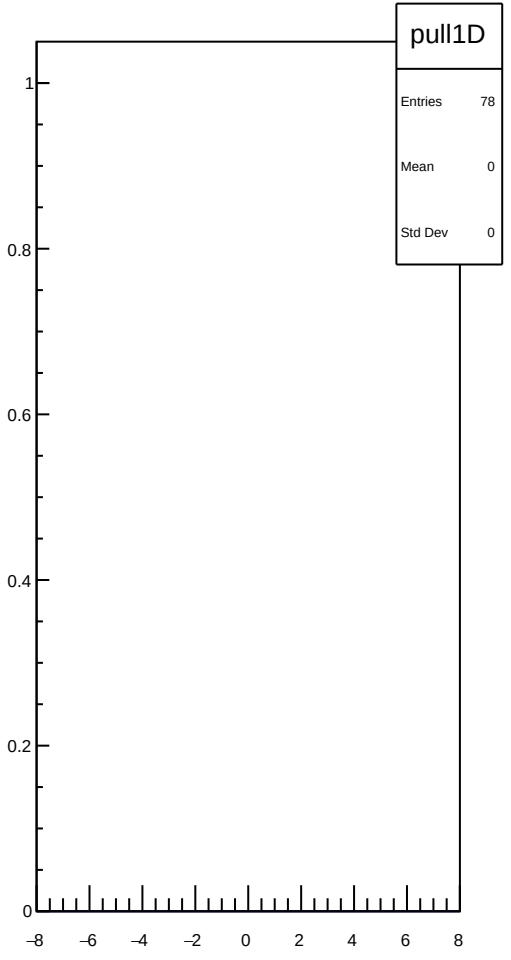

dit_4aX_coil6_err_mean vs run
χ² / ndf 7.936e+30 / 77
p0 1.002 ± 1.132e−16
pull
Entries 78
Mean −1.721e+09
Std Dev 1.721e+09

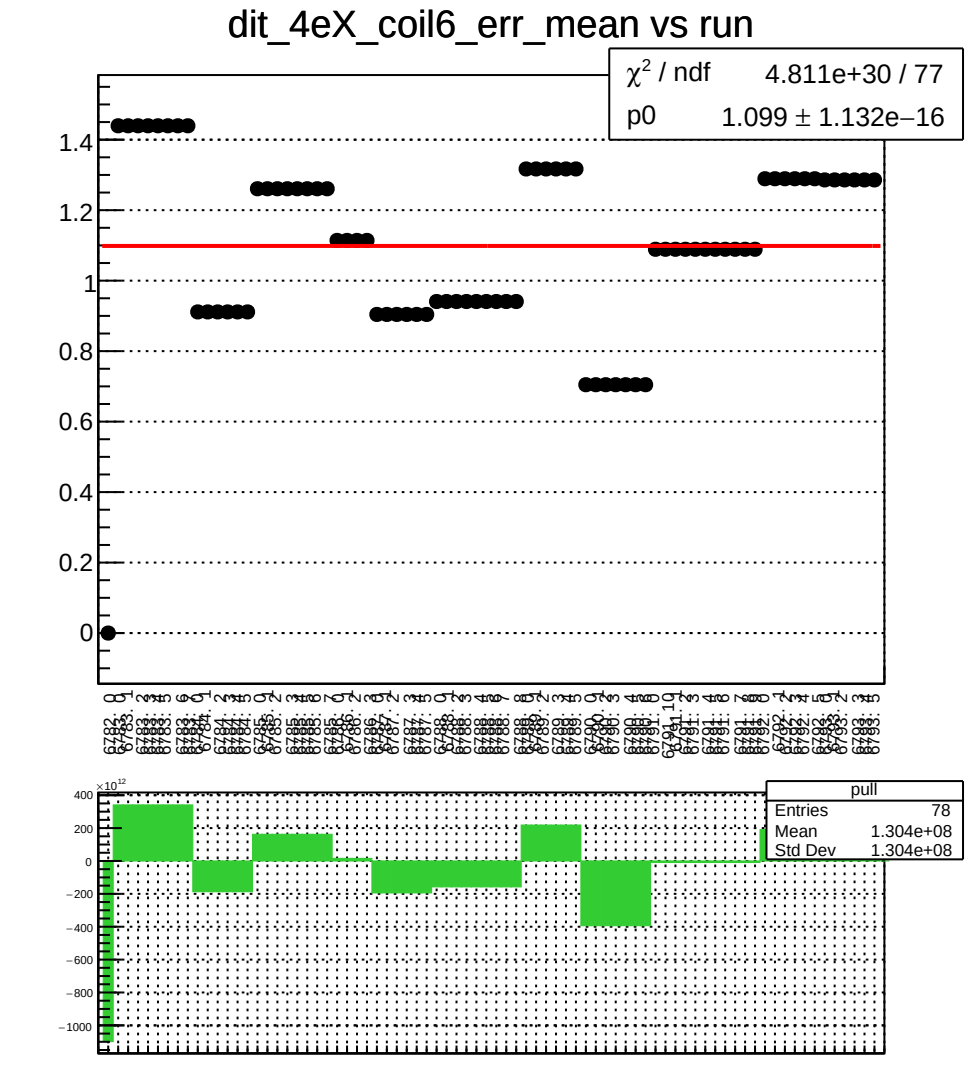

pull1D
Entries 78
Mean 0
Std Dev 0

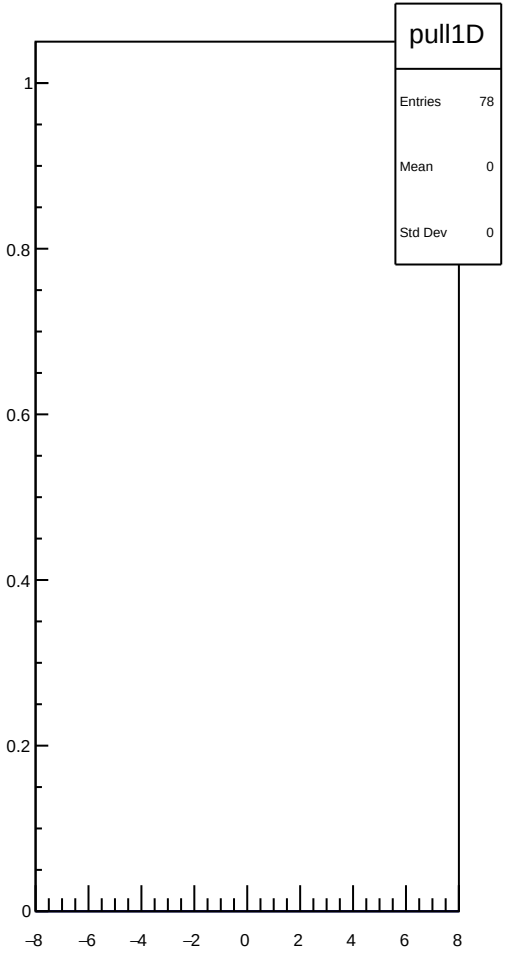

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

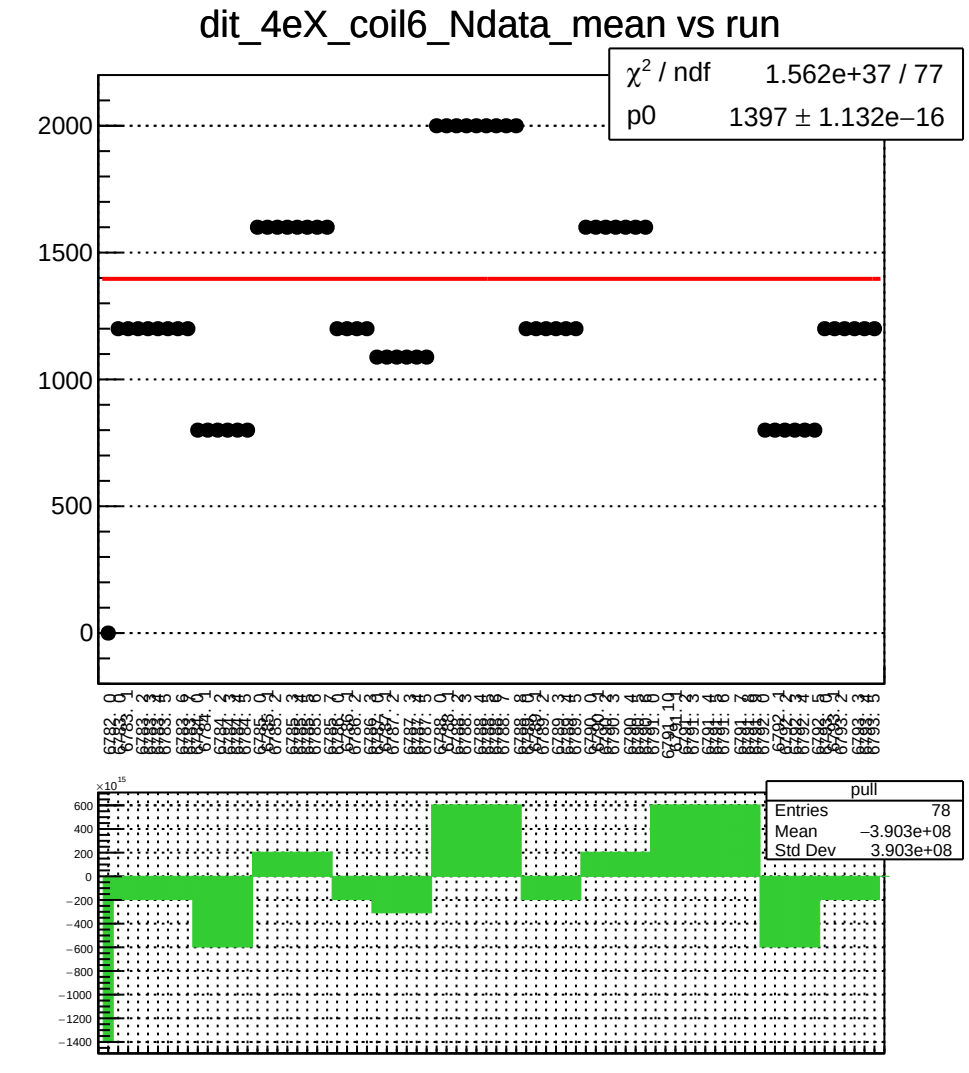

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

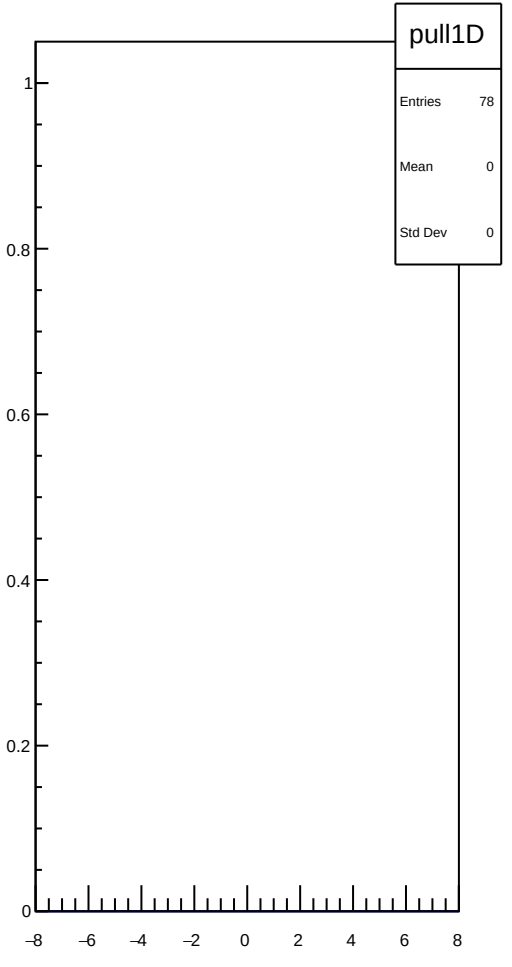

dit_4eX_coil6_mean vs run
χ² / ndf 3.113e+31 / 77
p0 1.74 ± 1.132e−16
pull
Entries 78
Mean −5.476e+08
Std Dev 5.476e+08

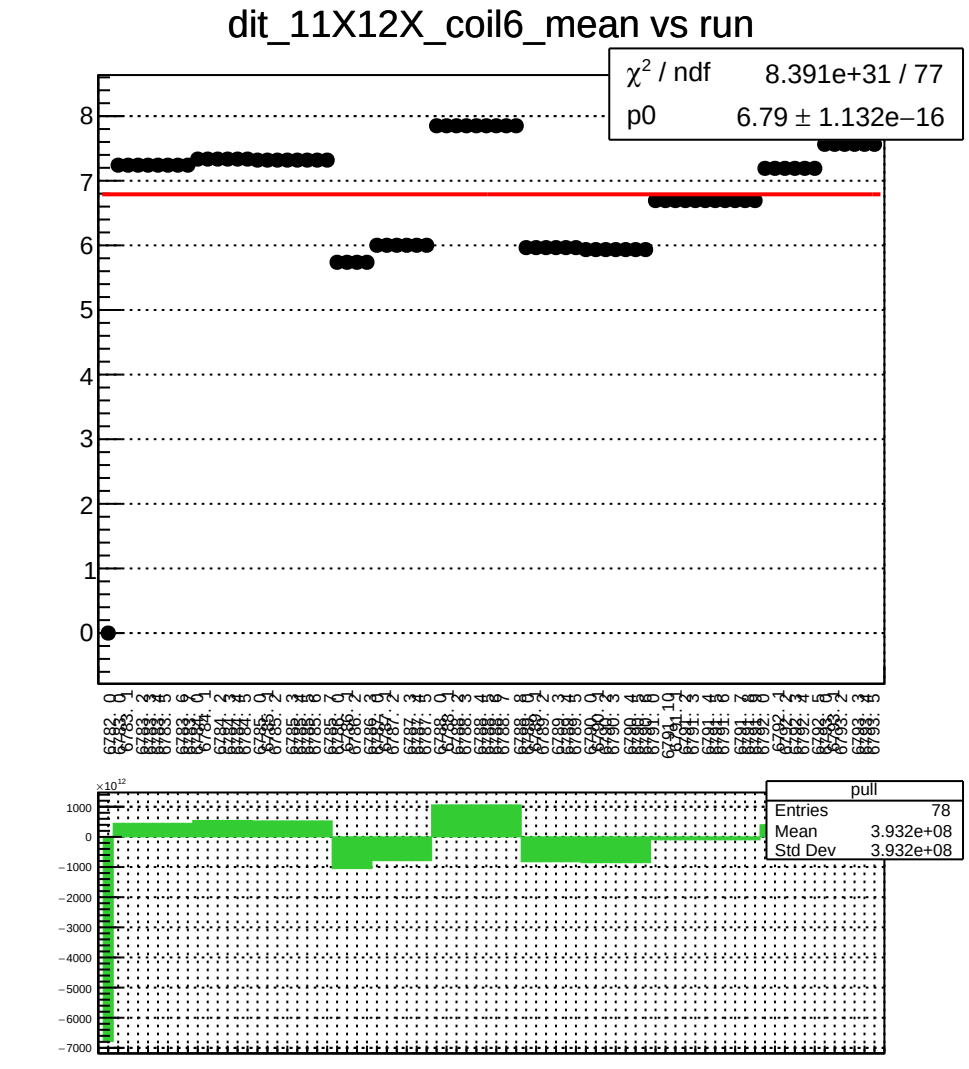

pull1D
Entries 78
Mean 0
Std Dev 0

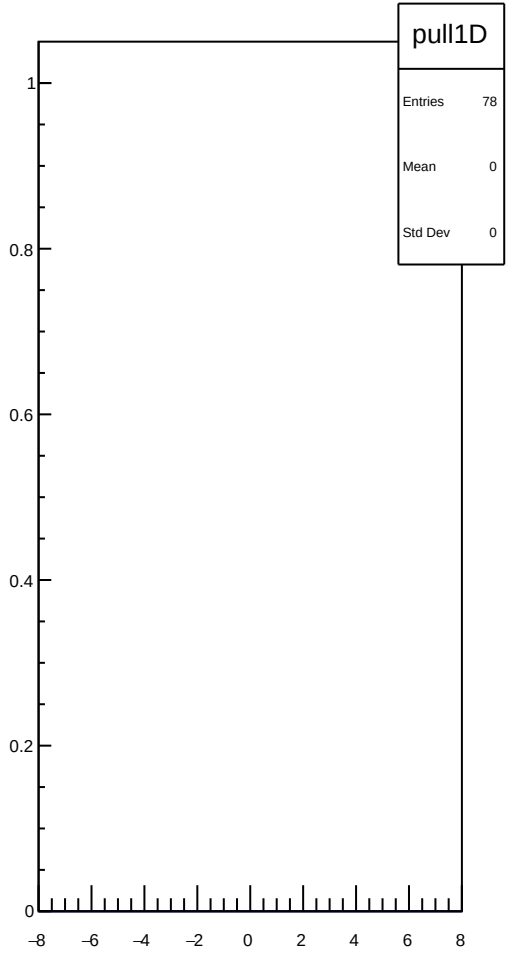

dit_4eX_coil6_err_mean vs run
χ² / ndf 4.811e+30 / 77
p0 1.099 ± 1.132e−16
pull
Entries 78
Mean 1.304e+08
Std Dev 1.304e+08
×10¹²


pull1D
Entries 78
Mean 0
Std Dev 0

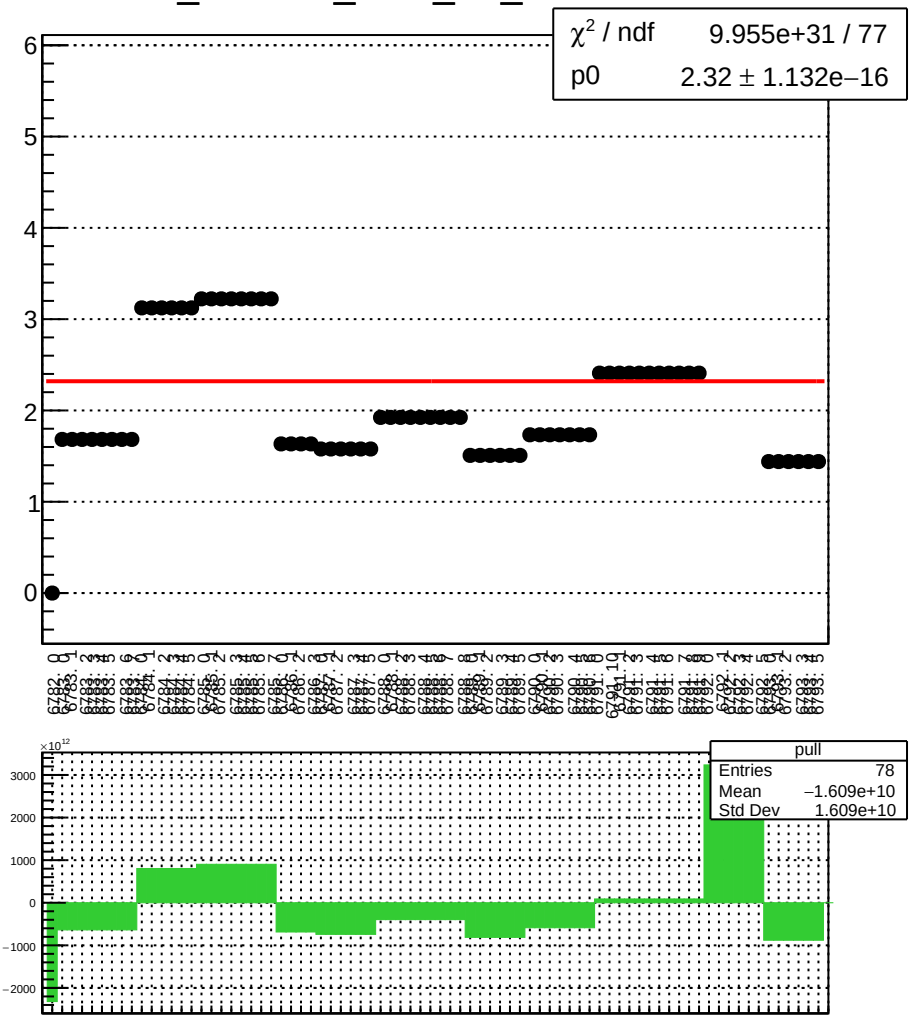

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

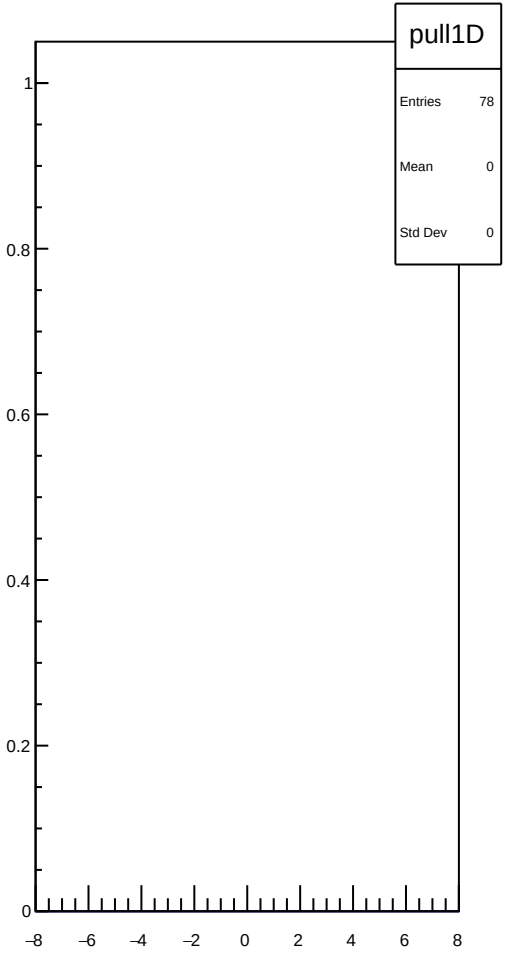

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

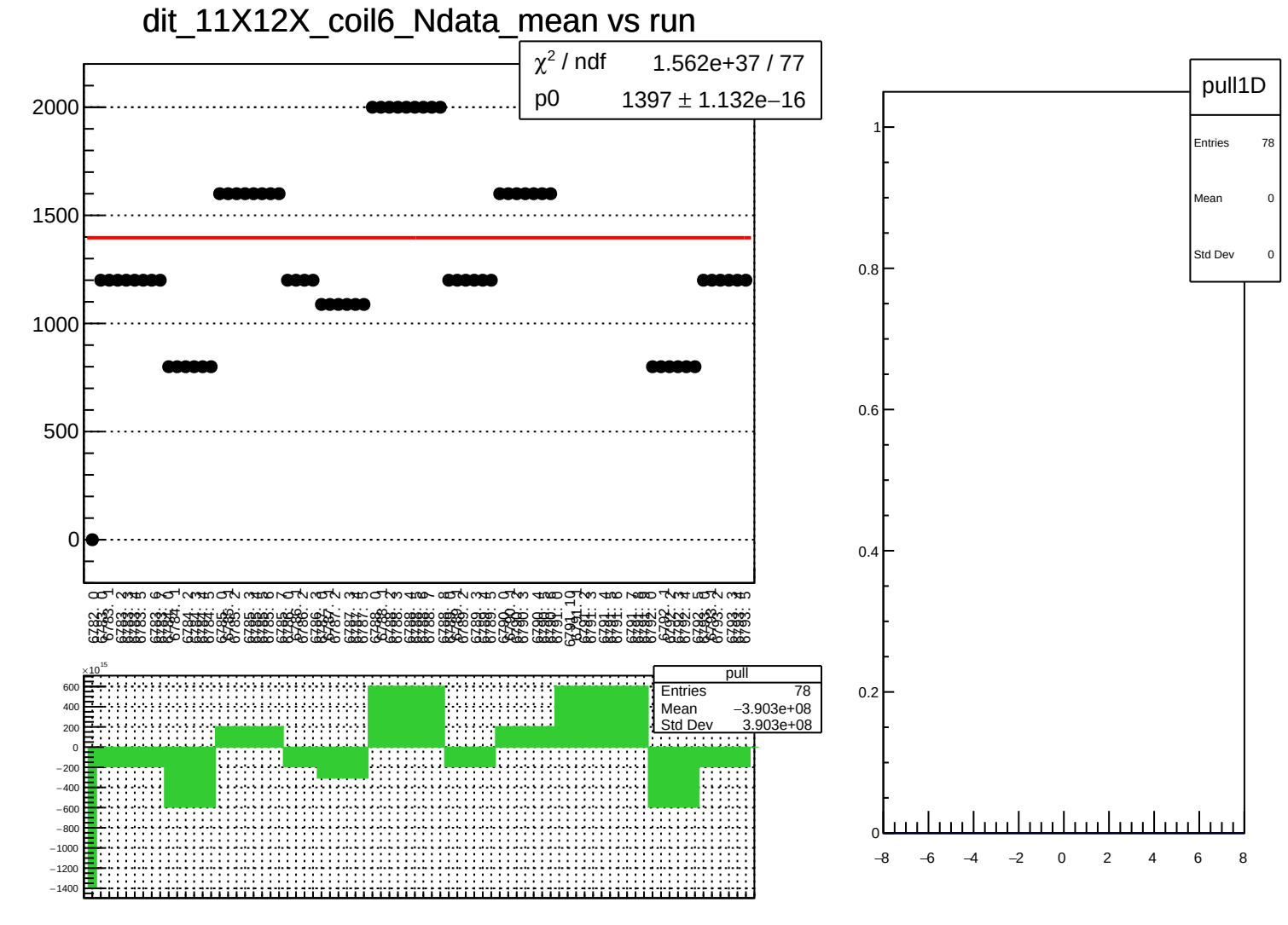

dit_11X12X_coil6_mean vs run
χ² / ndf 8.391e+31 / 77
p0 6.79 ± 1.132e−16
pull
Entries 78
Mean 3.932e+08
Std Dev 3.932e+08

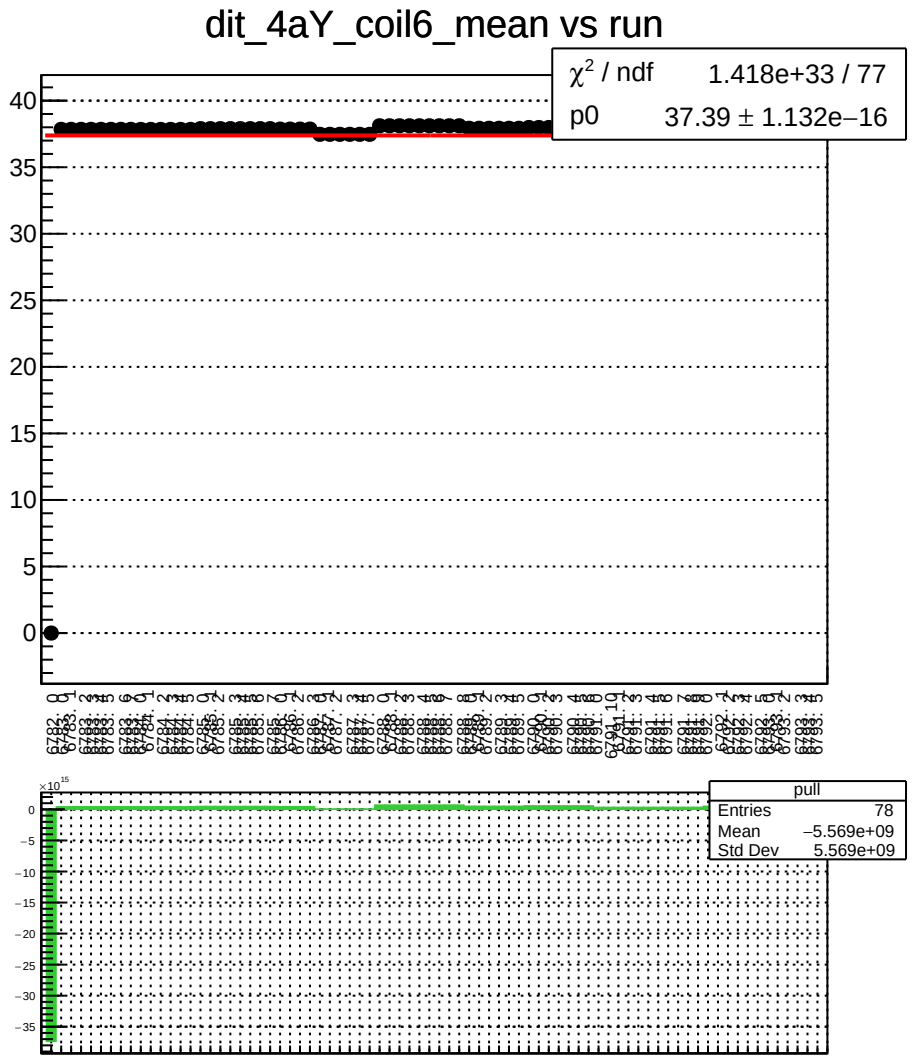

pull1D
Entries 78
Mean 0
Std Dev 0

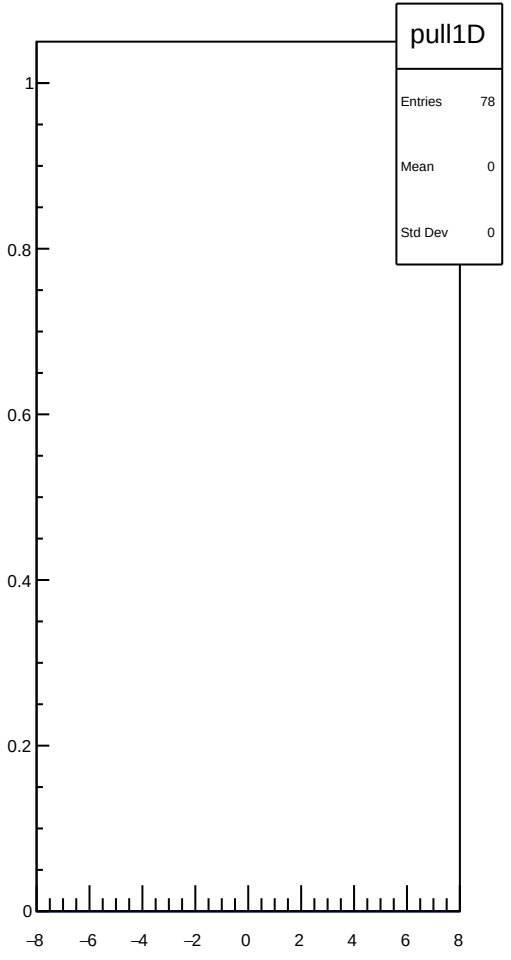
dit_11X12X_coil6_err_mean vs run

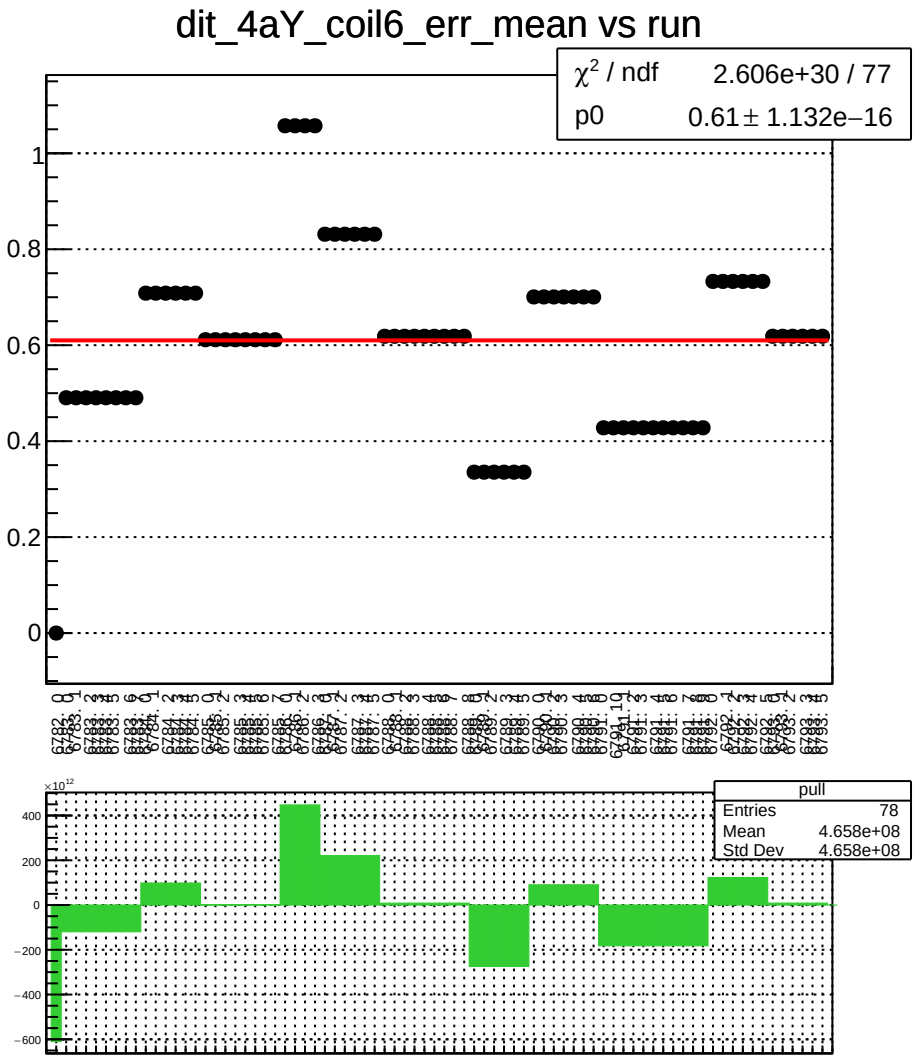


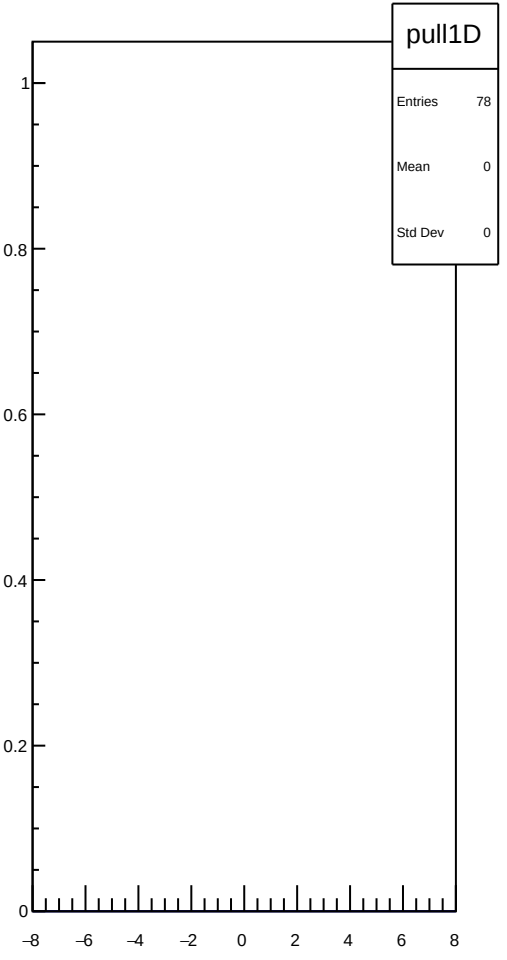


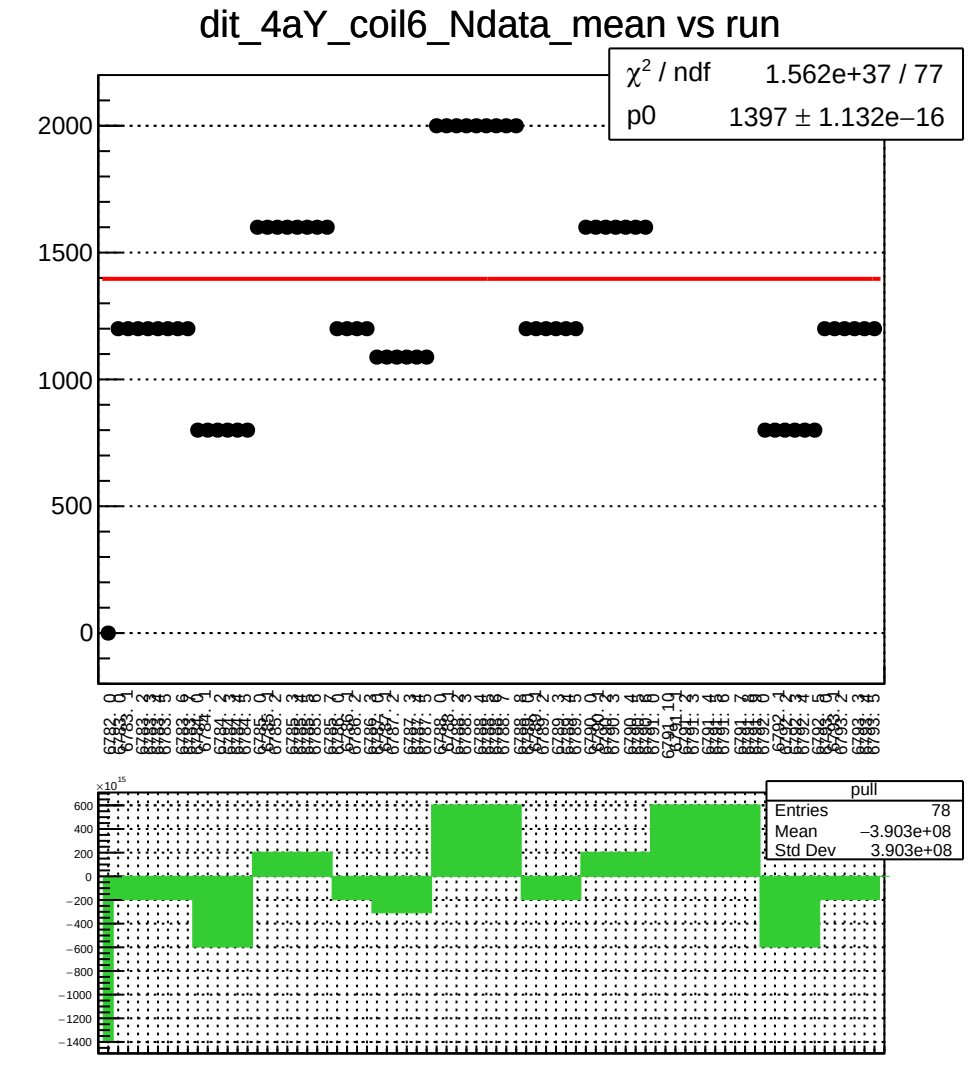

dit_11X12X_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

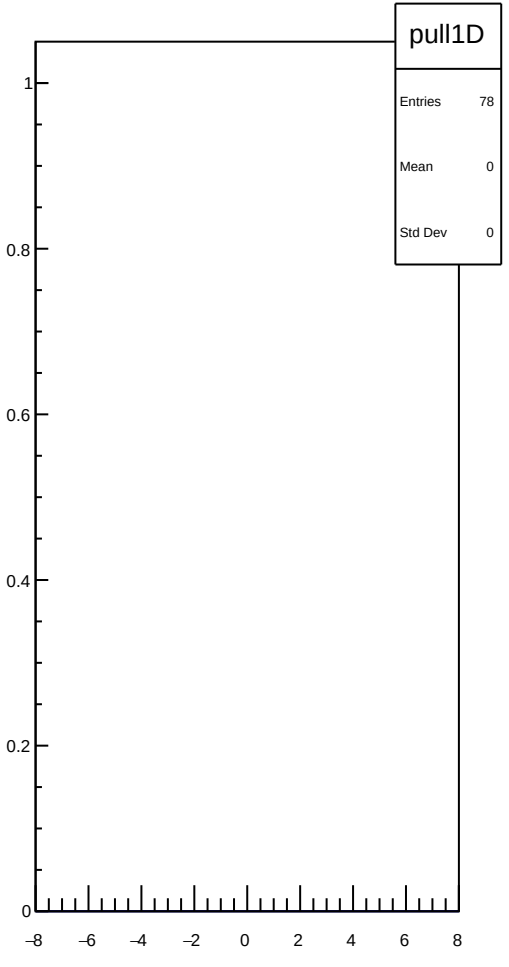

dit_4aY_coil6_mean vs run
χ² / ndf 1.418e+33 / 77
p0 37.39 ± 1.132e−16
pull
Entries 78
Mean −5.569e+09
Std Dev 5.569e+09

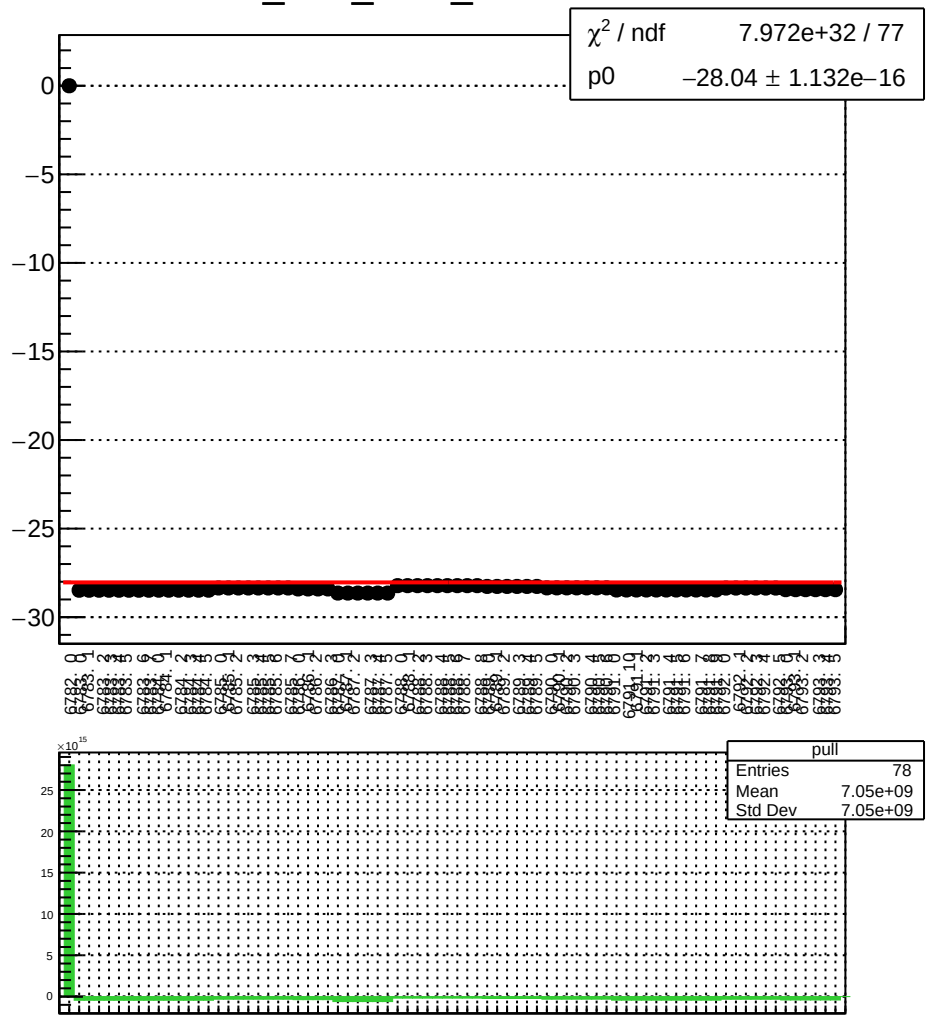

pull1D
Entries 78
Mean 0
Std Dev 0

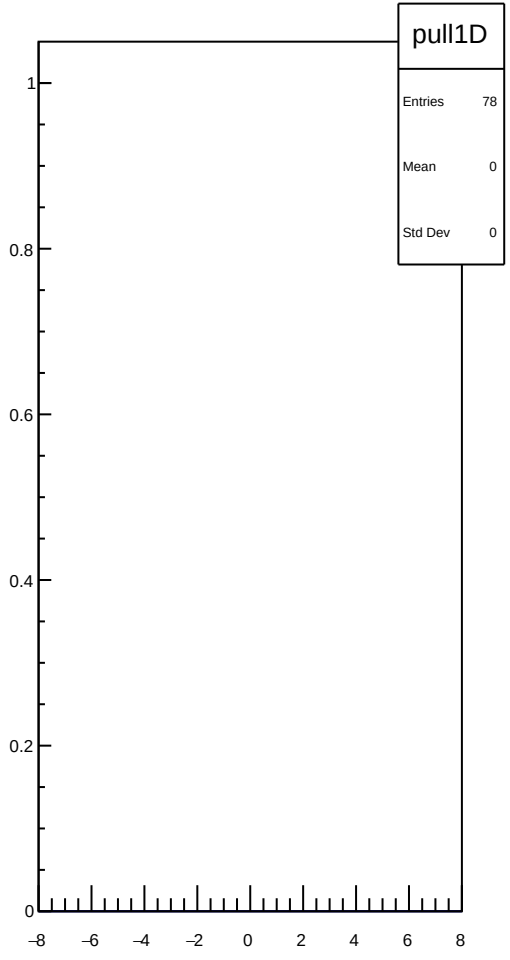

dit_4aY_coil6_err_mean vs run
χ² / ndf 2.606e+30 / 77
p0 0.61 ± 1.132e−16
pull
Entries 78
Mean 4.658e+08
Std Dev 4.658e+08

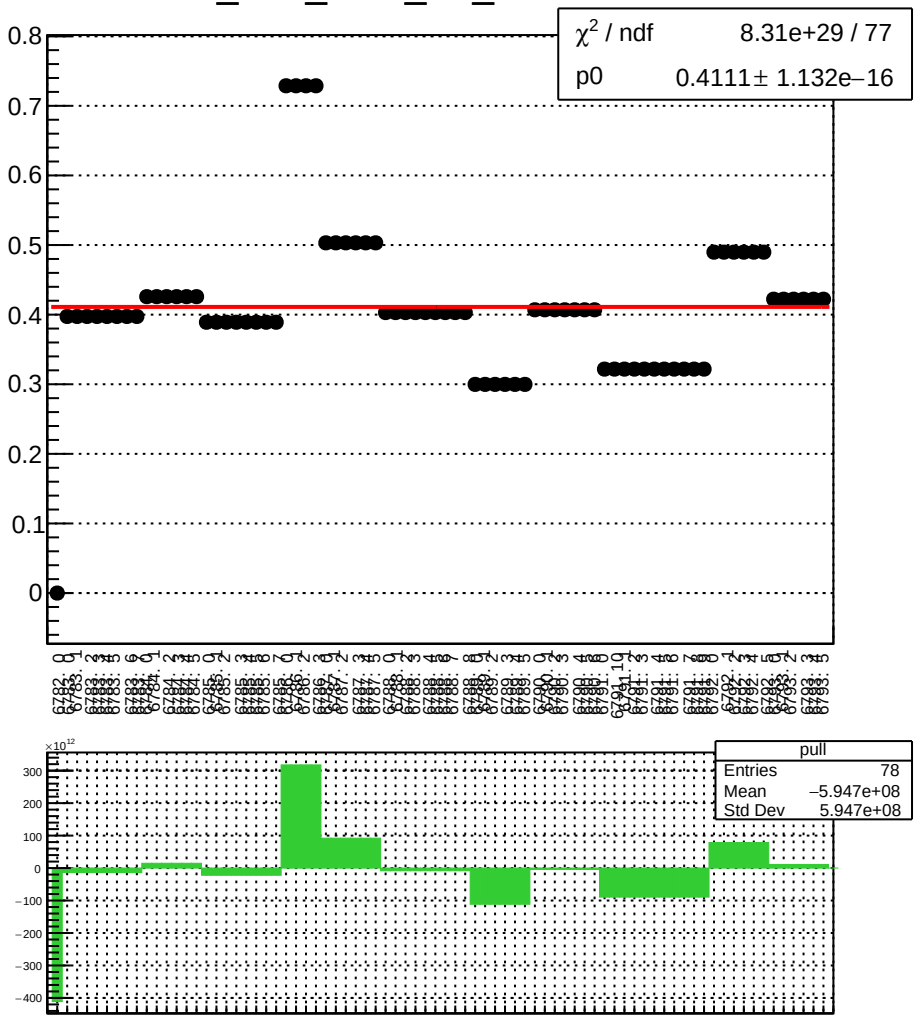

pull1D
Entries 78
Mean 0
Std Dev 0

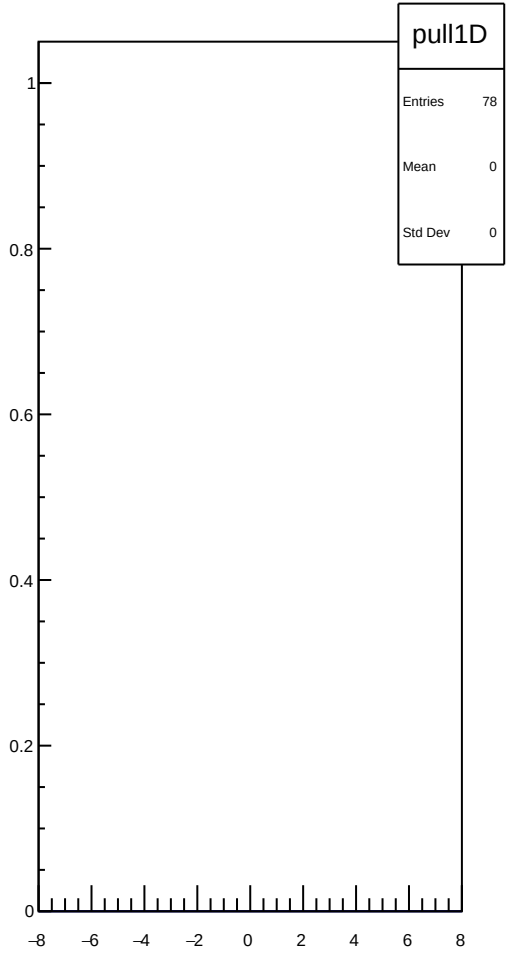

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

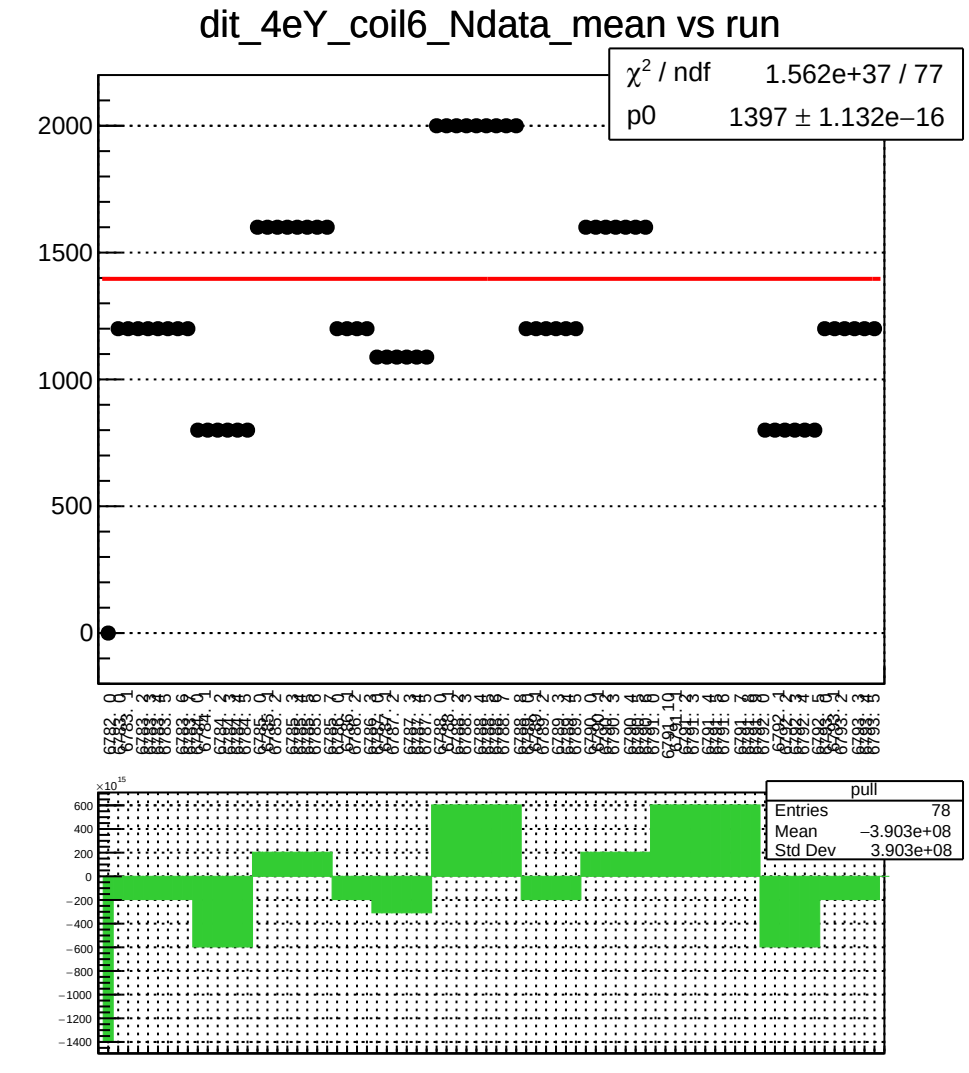

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

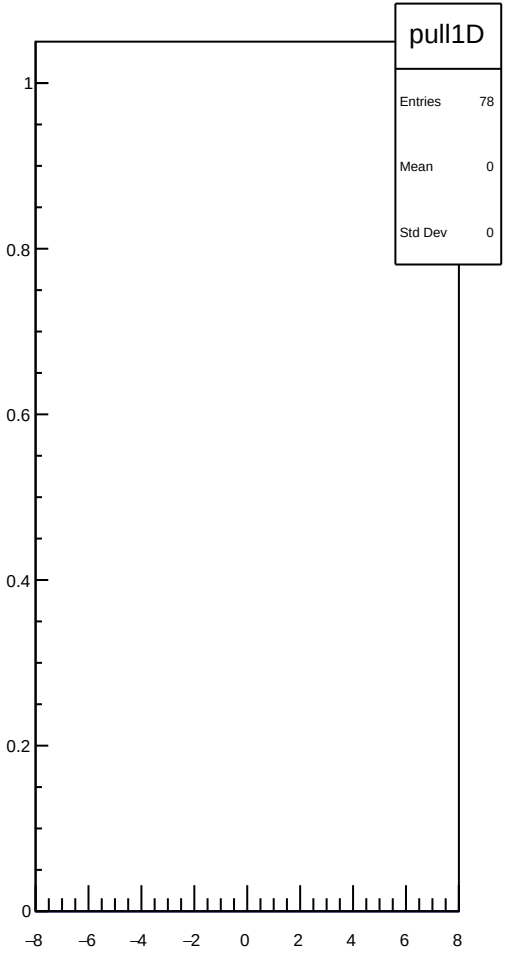

dit_4eY_coil6_mean vs run
χ² / ndf 7.972e+32 / 77
p0 −28.04 ± 1.132e−16
pull
Entries 78
Mean 7.05e+09
Std Dev 7.05e+09

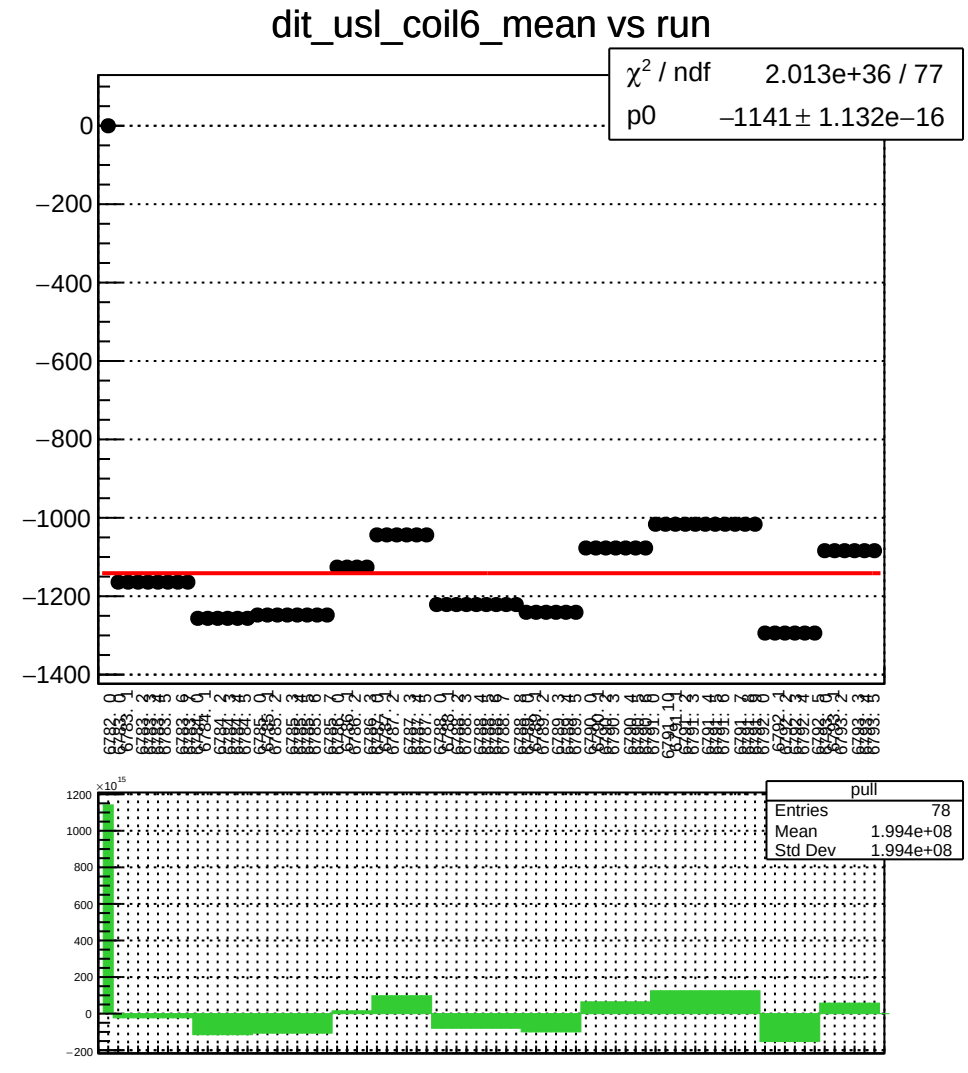

pull1D
Entries 78
Mean 0
Std Dev 0

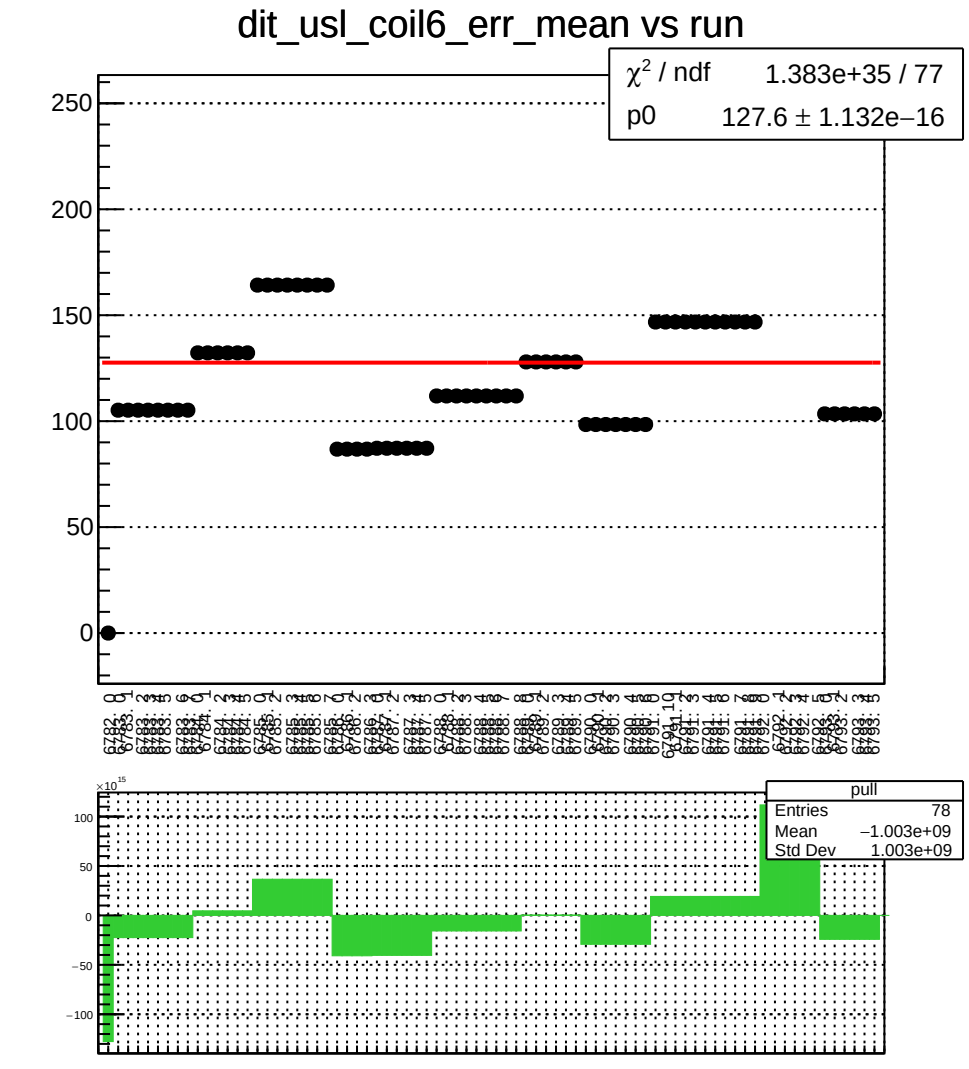

dit_4eY_coil6_err_mean vs run
χ² / ndf 8.31e+29 / 77
p0 0.4111 ± 1.132e−16
pull
Entries 78
Mean −5.947e+08
Std Dev 5.947e+08
×10¹²

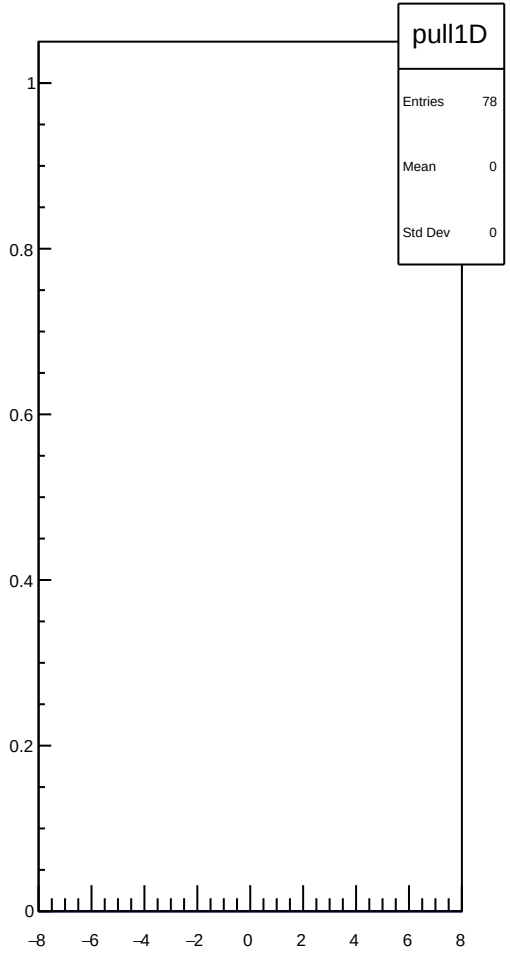

pull1D
Entries 78
Mean 0
Std Dev 0

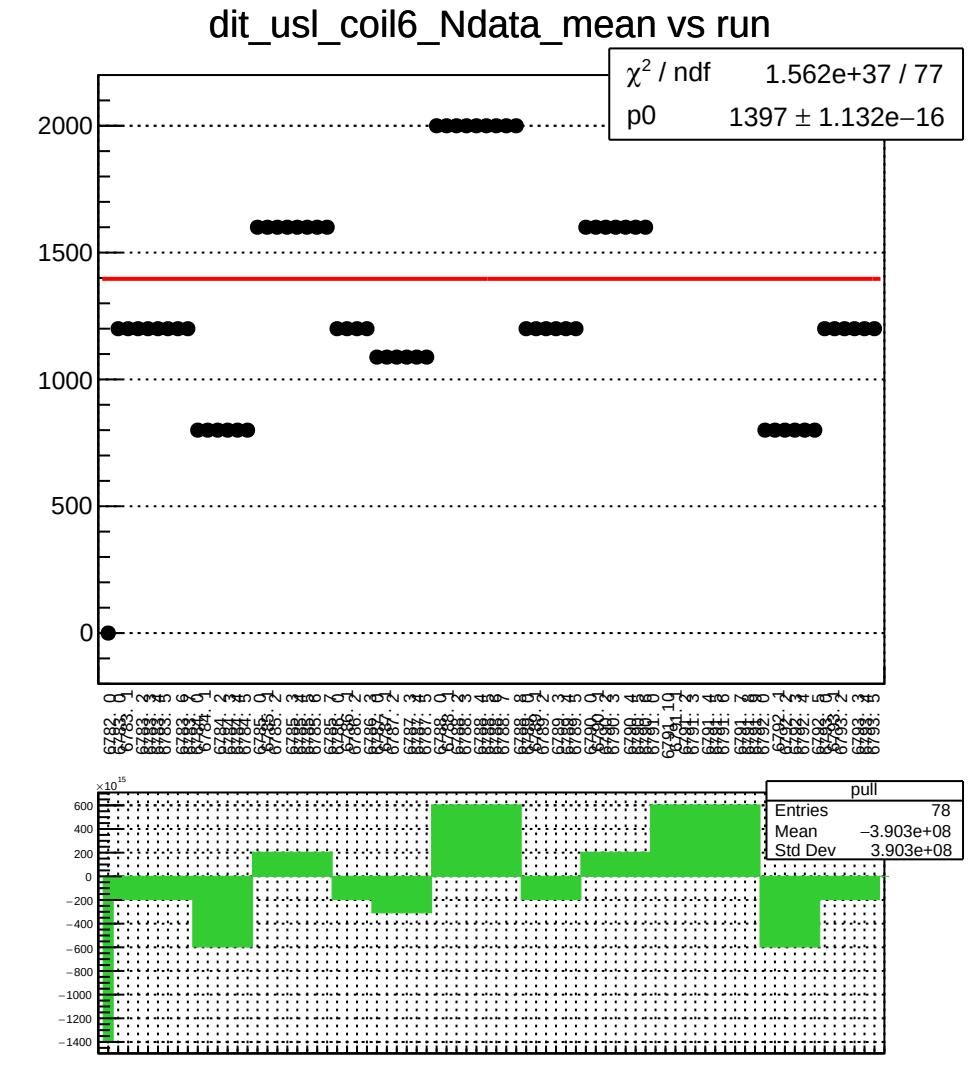

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

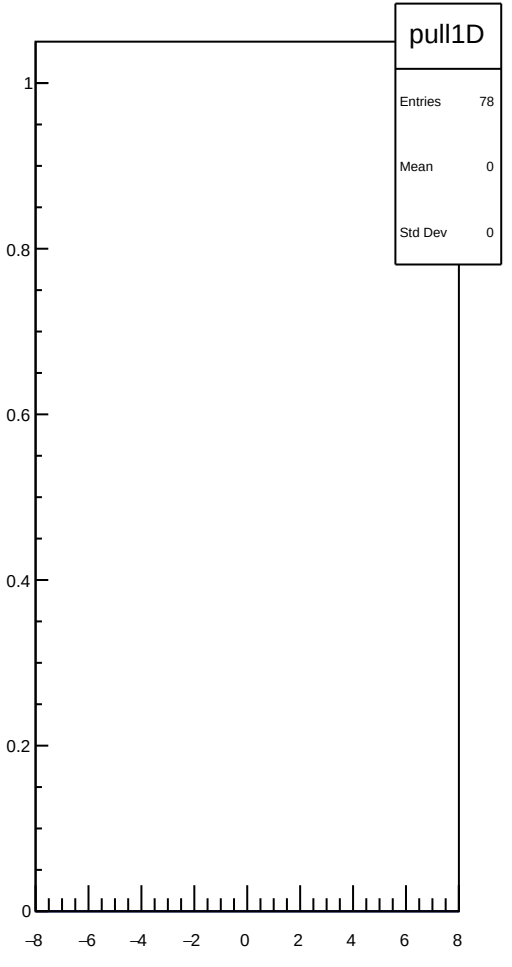

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

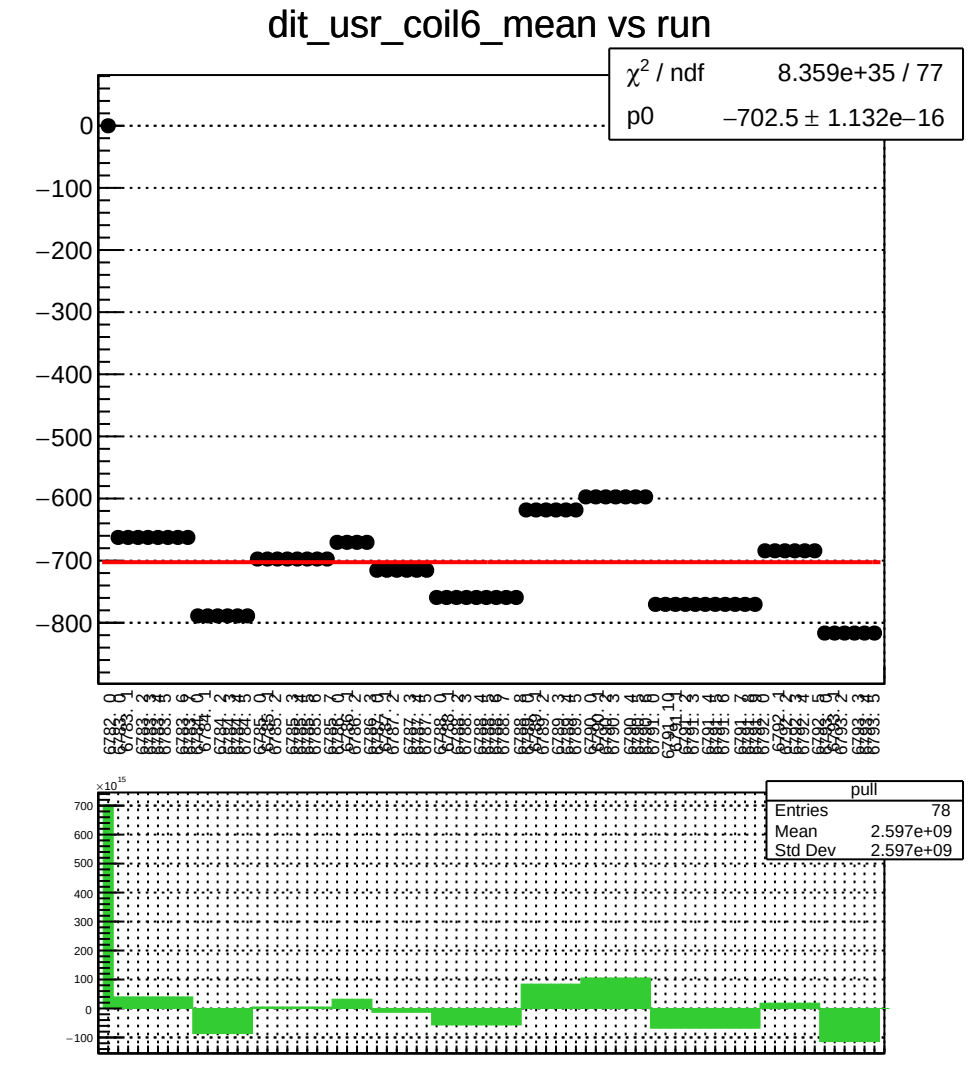

dit_usl_coil6_mean vs run
χ² / ndf 2.013e+36 / 77
p0 −1141 ± 1.132e−16
pull
Entries 78
Mean 1.994e+08
Std Dev 1.994e+08
pull1D
Entries 78
Mean 0
Std Dev 0

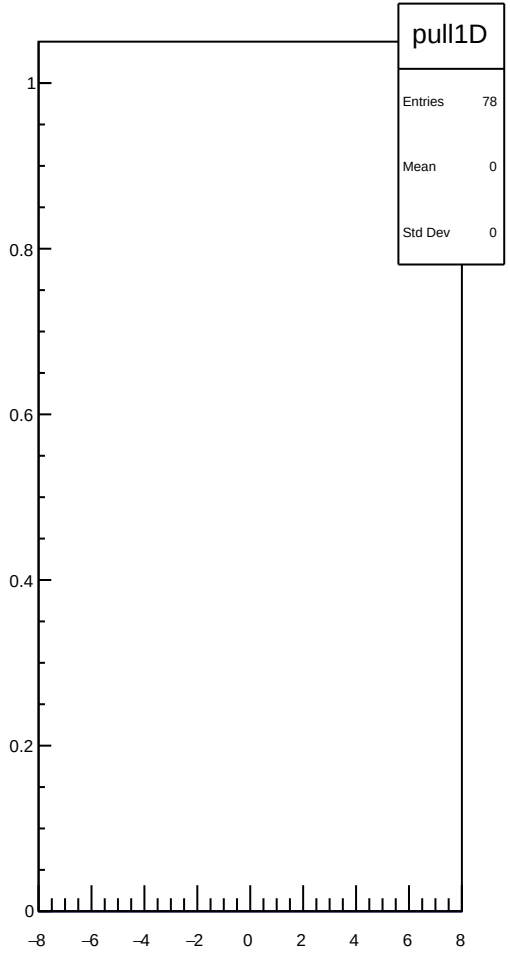

dit_usl_coil6_err_mean vs run
χ² / ndf 1.383e+35 / 77
p0 127.6 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean −1.003e+09
Std Dev 1.003e+09
×10¹⁵
100
50
0
−50
−100

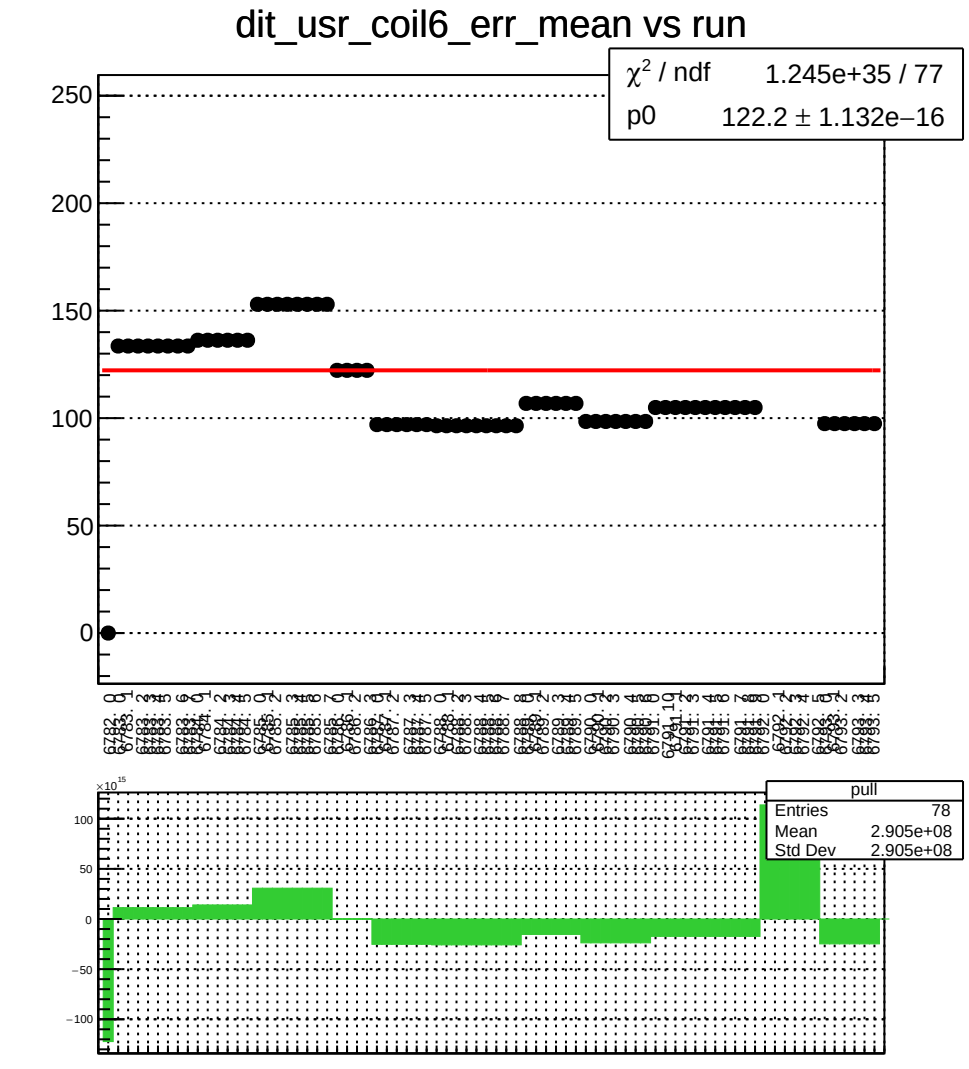

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

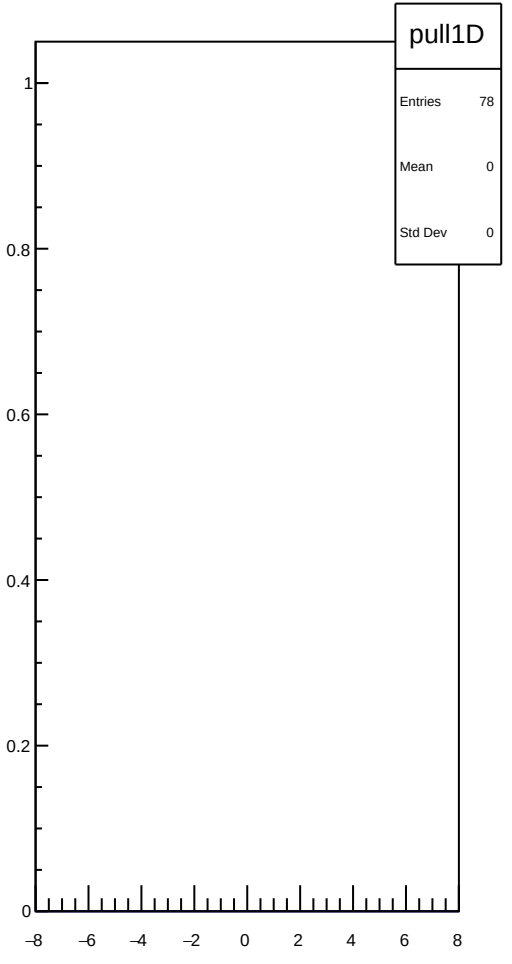

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

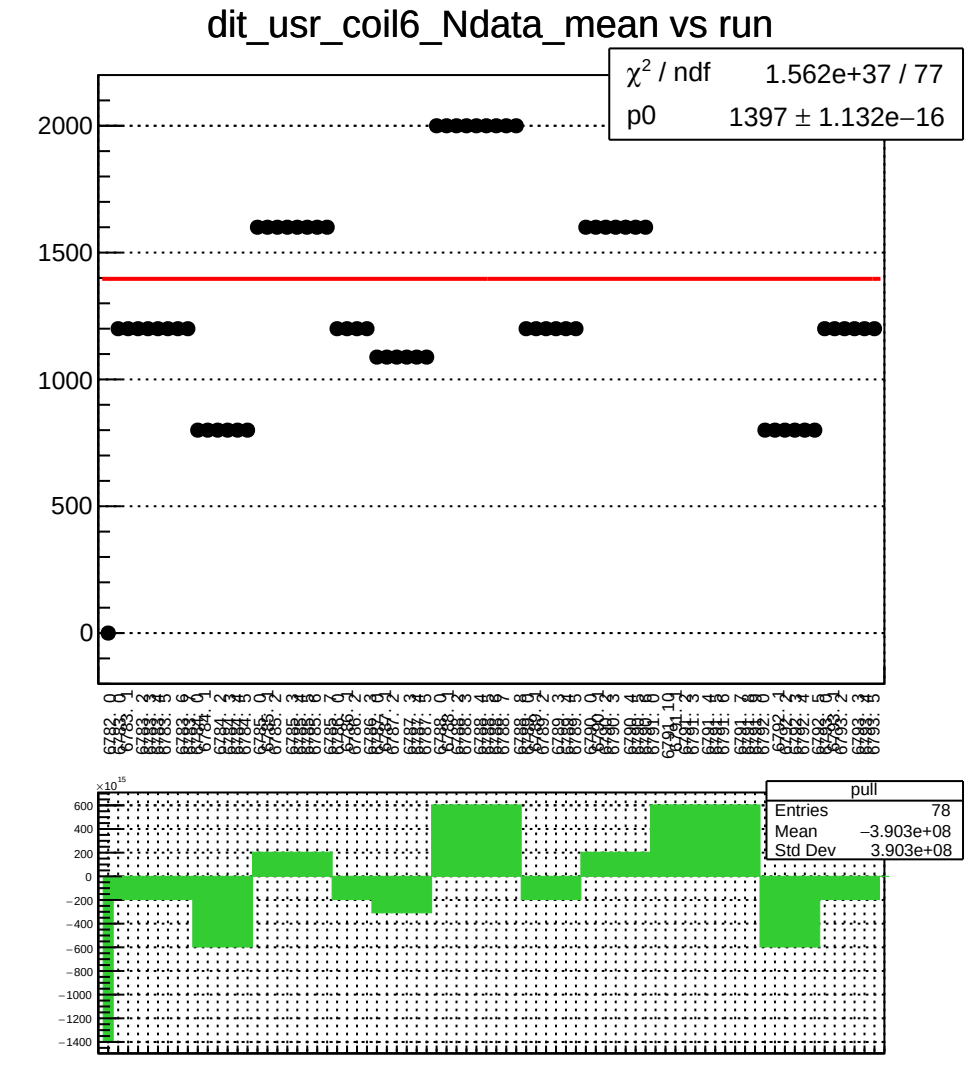

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

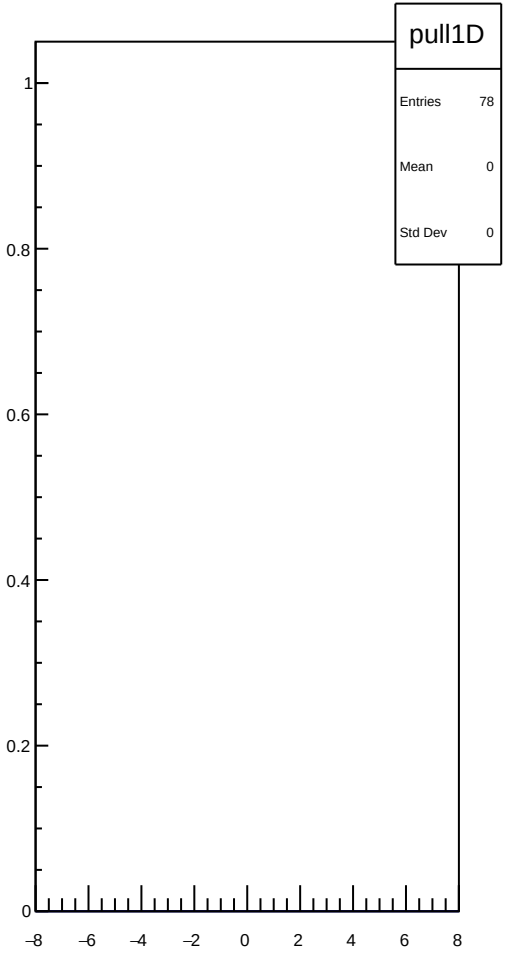

dit_usr_coil6_mean vs run
χ² / ndf 8.359e+35 / 77
p0 −702.5 ± 1.132e−16
pull
Entries 78
Mean 2.597e+09
Std Dev 2.597e+09

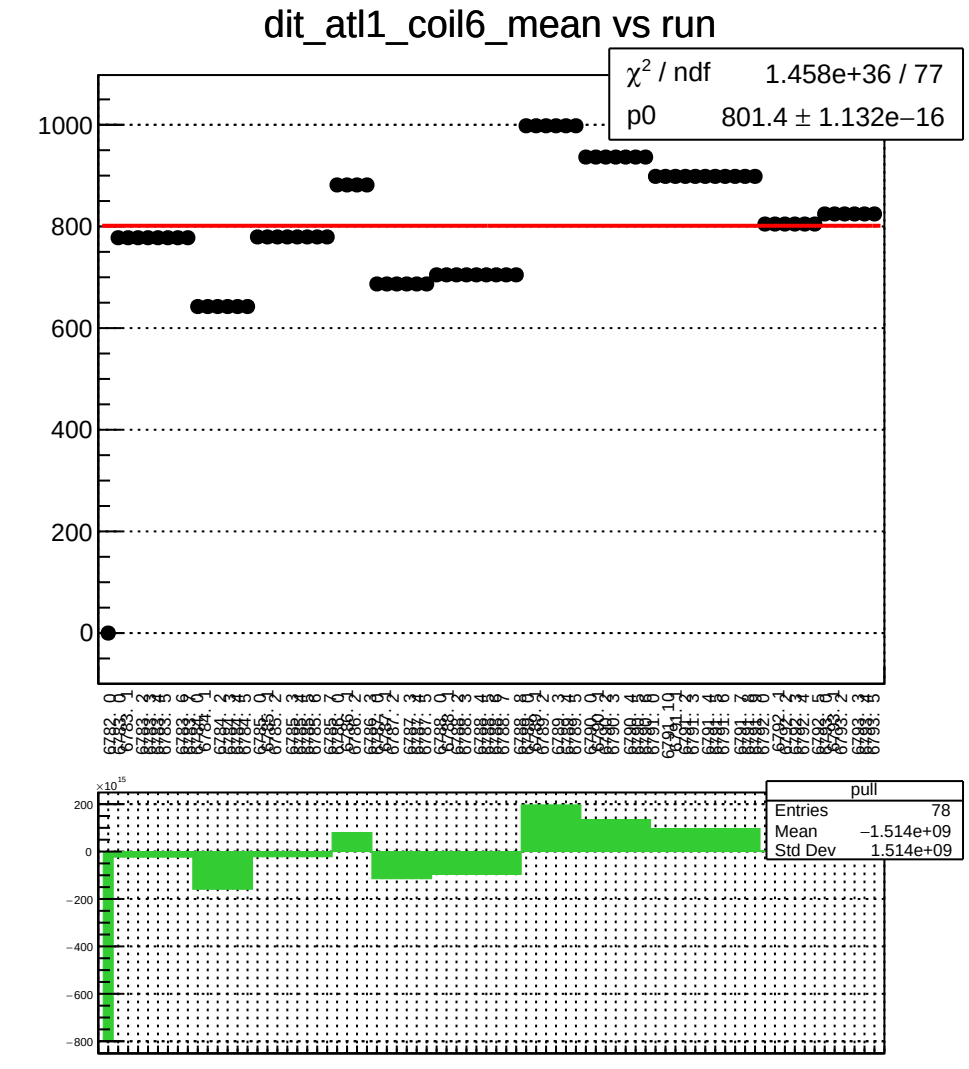

pull1D
Entries 78
Mean 0
Std Dev 0

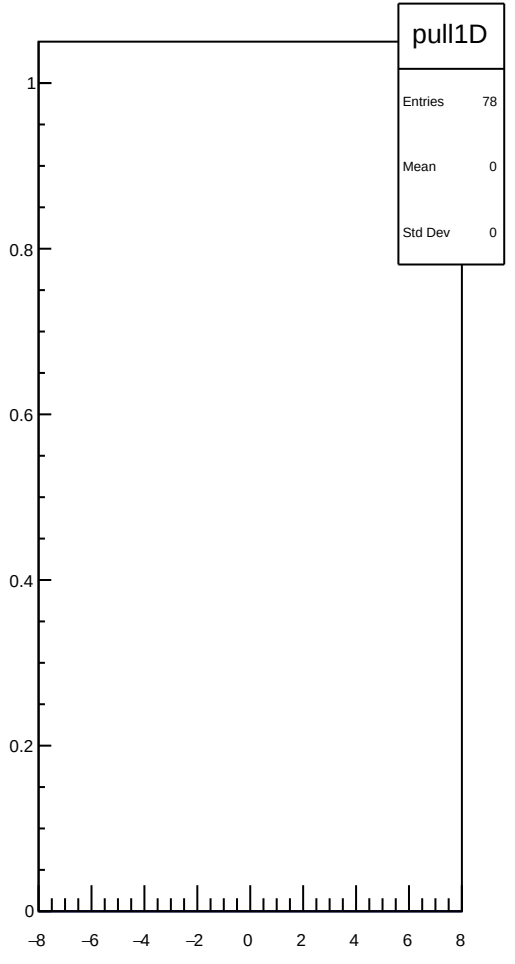

dit_usr_coil6_err_mean vs run
χ² / ndf 1.245e+35 / 77
p0 122.2 ± 1.132e−16
250
200
150
100
50
0
pull
Entries 78
Mean 2.905e+08
Std Dev 2.905e+08
×10¹⁵
100
50
0
−50
−100

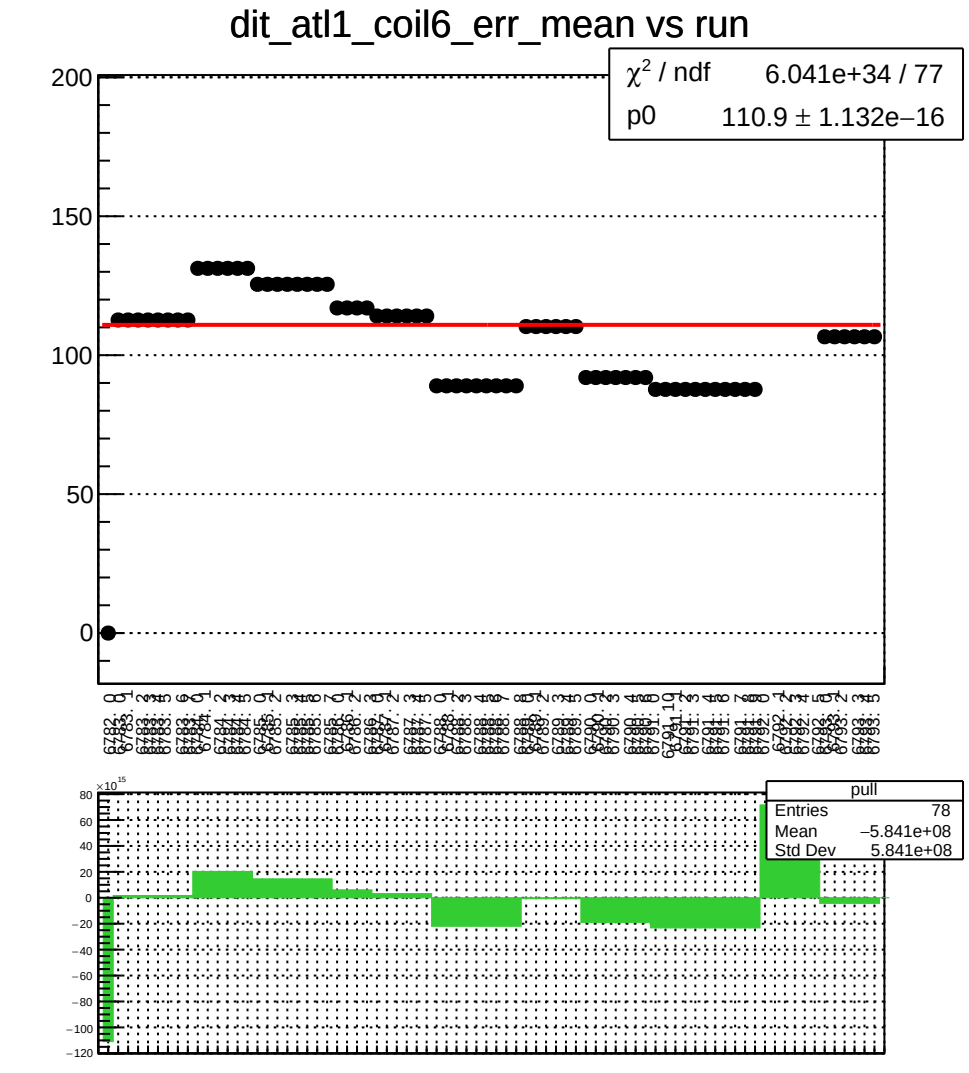

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

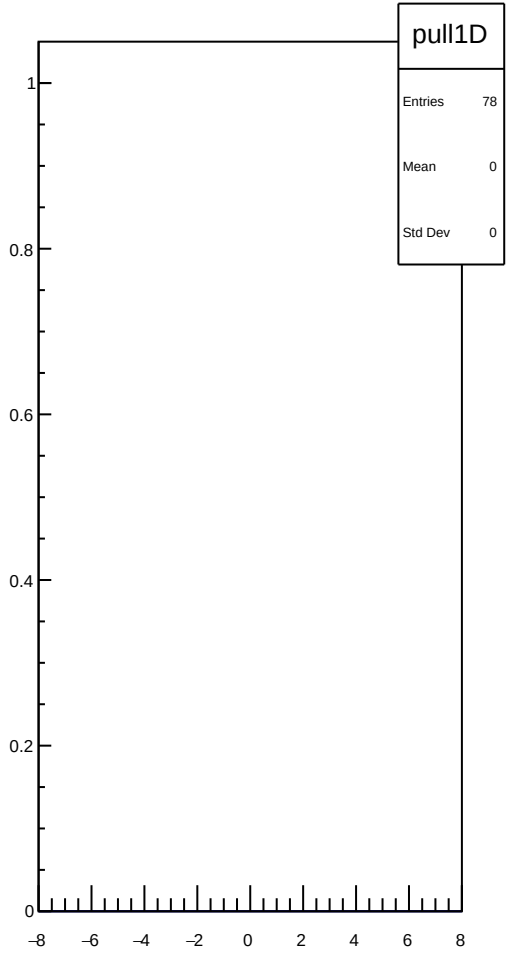

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

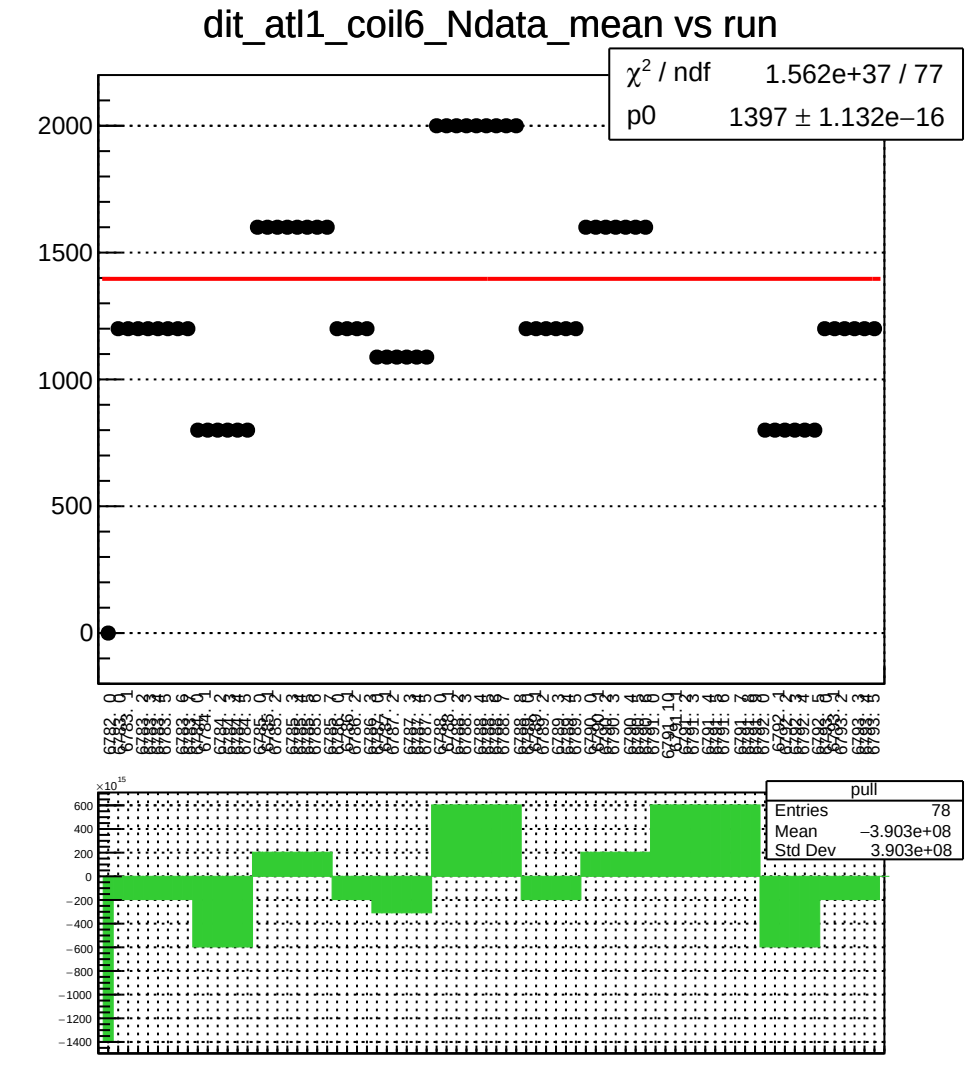

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

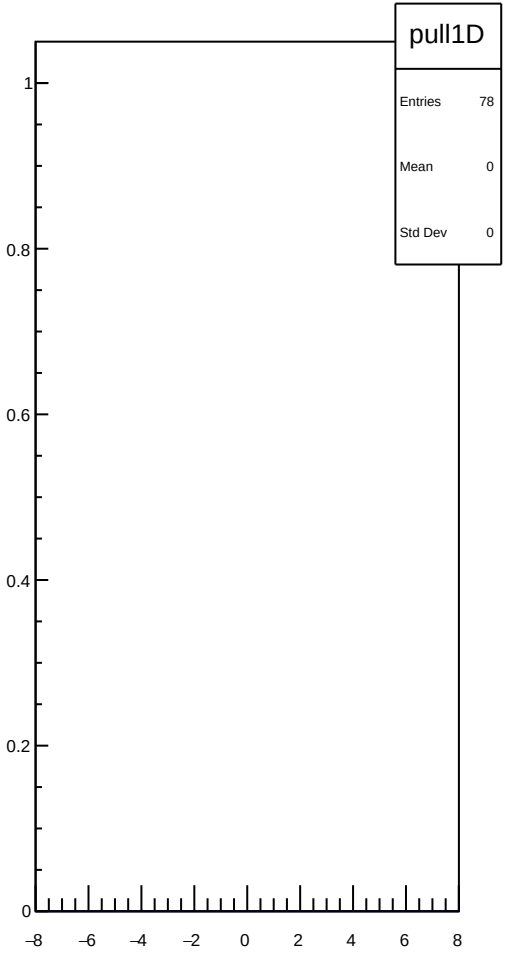

dit_atl1_coil6_mean vs run
χ² / ndf 1.458e+36 / 77
p0 801.4 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −1.514e+09
Std Dev 1.514e+09
×10¹⁵
200
0
−200
−400
−600
−800

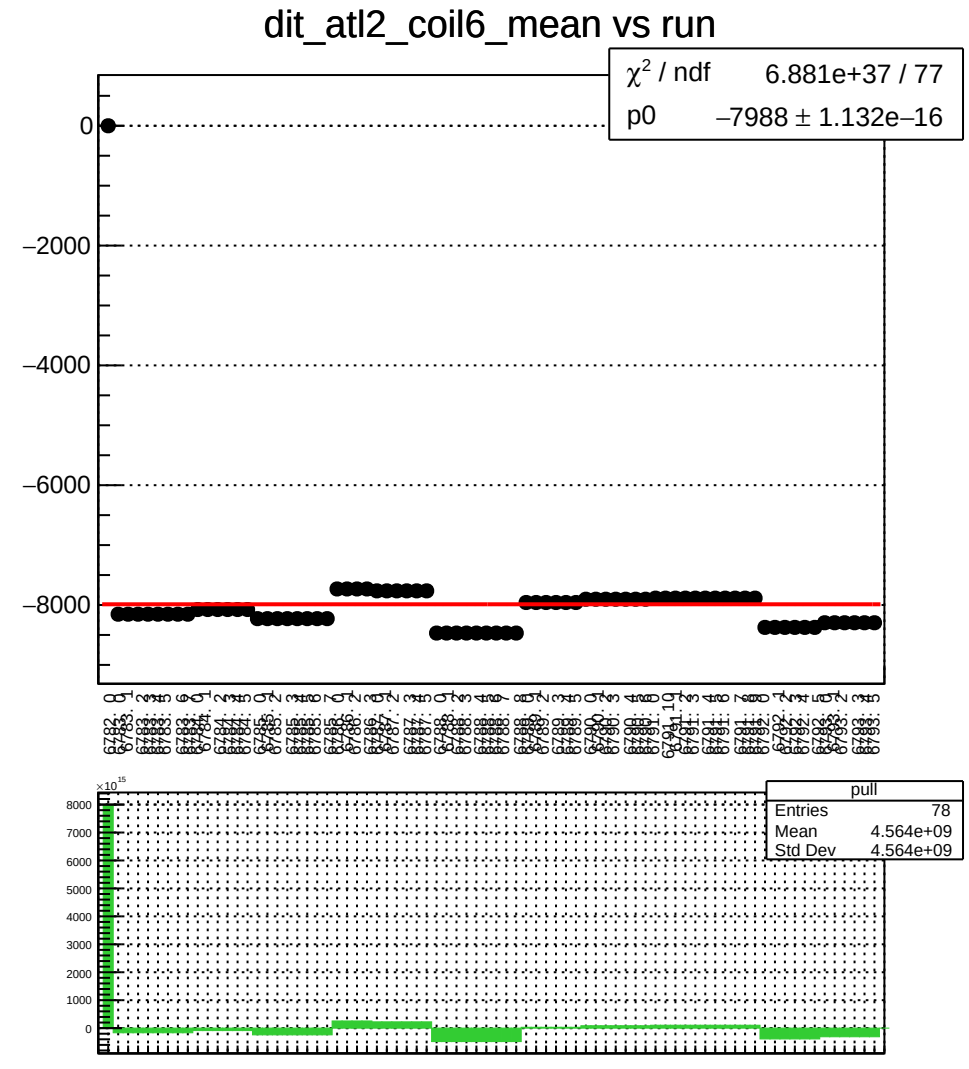

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

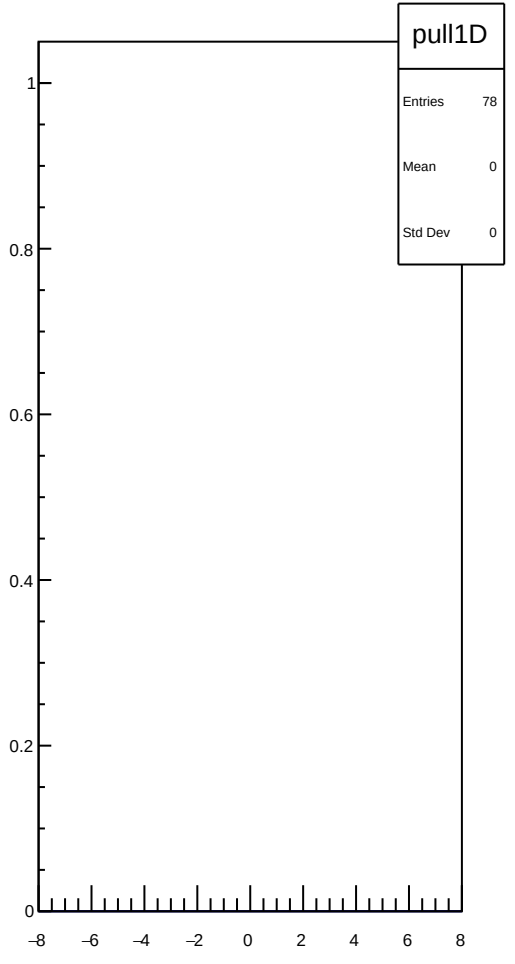

dit_atl1_coil6_err_mean vs run
χ² / ndf 6.041e+34 / 77
p0 110.9 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean −5.841e+08
Std Dev 5.841e+08
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
−120

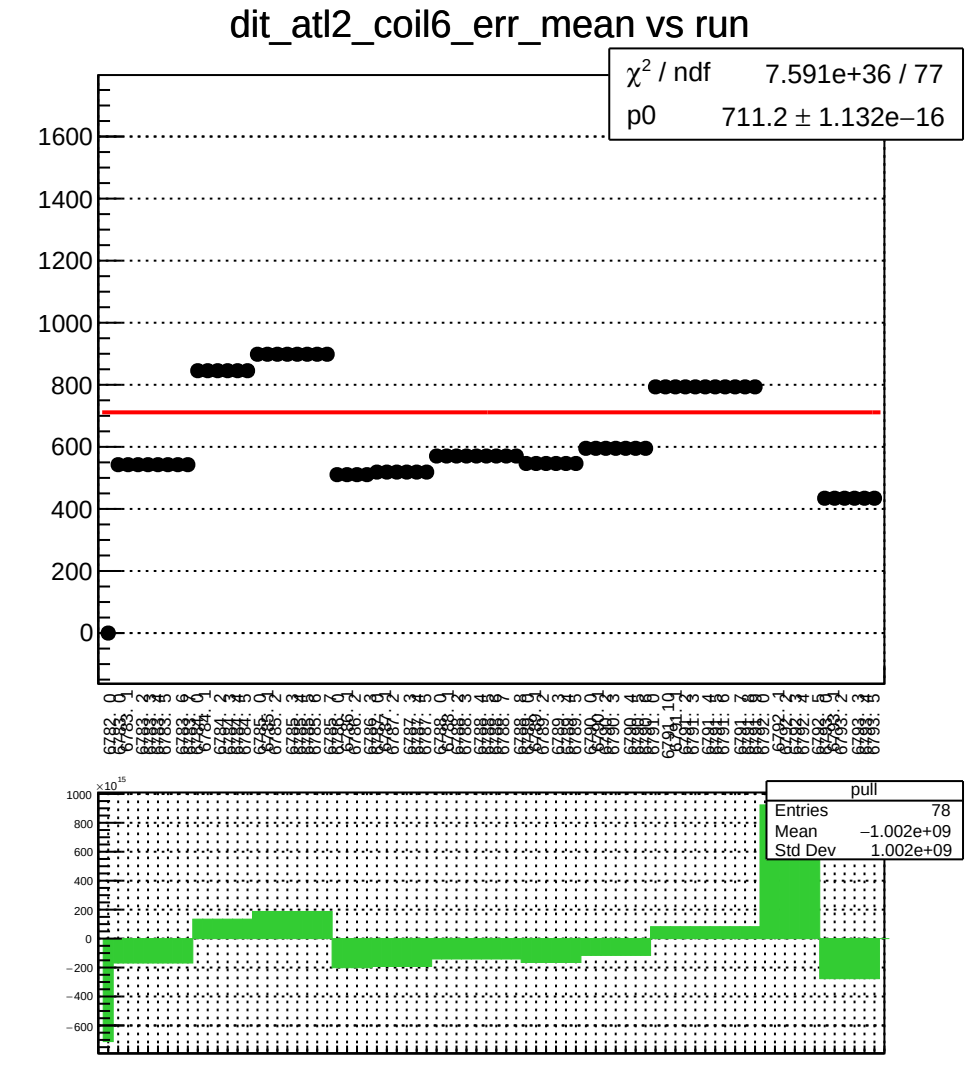

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

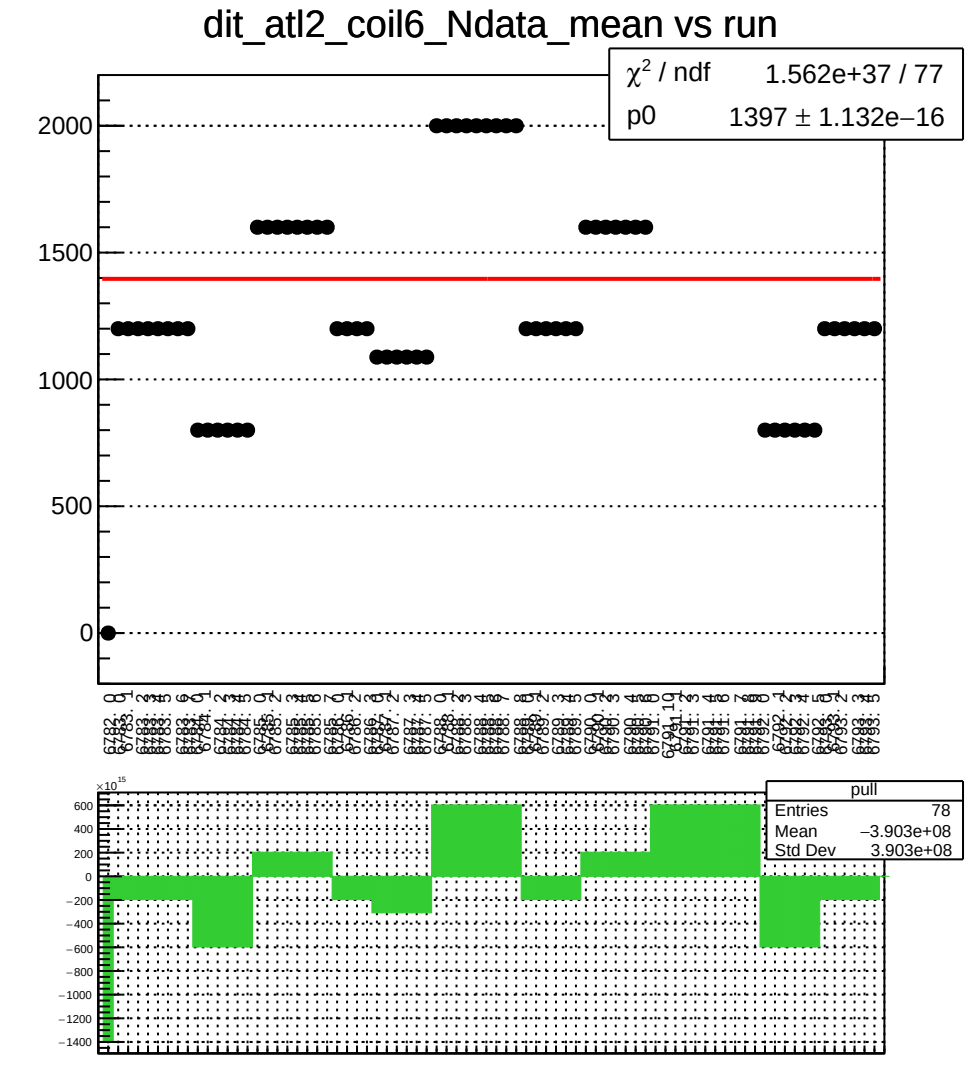

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

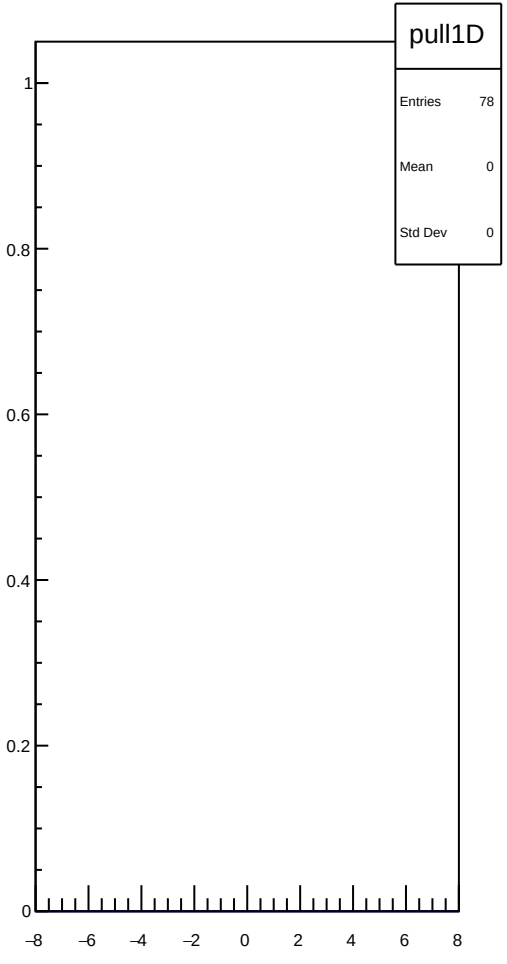

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

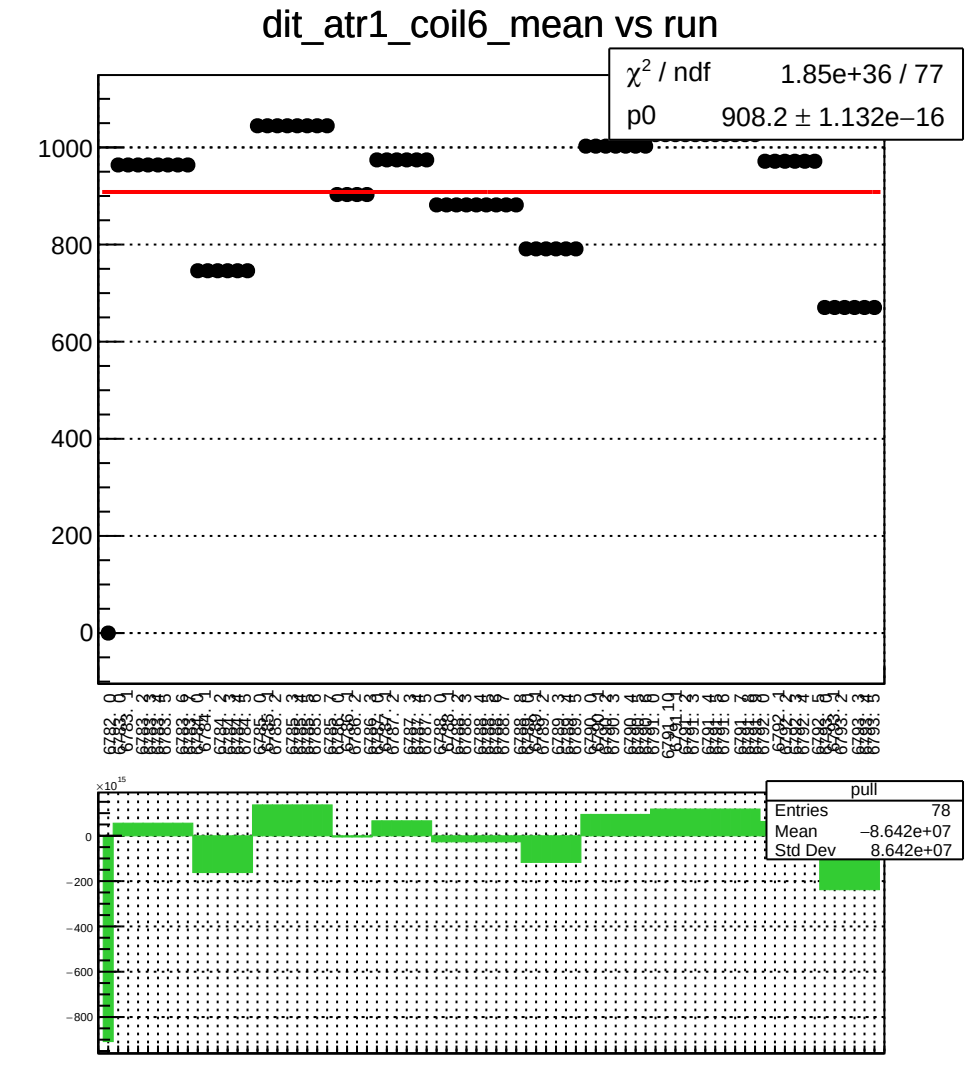

dit_atl2_coil6_mean vs run
χ² / ndf 6.881e+37 / 77
p0 −7988 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean 4.564e+09
Std Dev 4.564e+09
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0

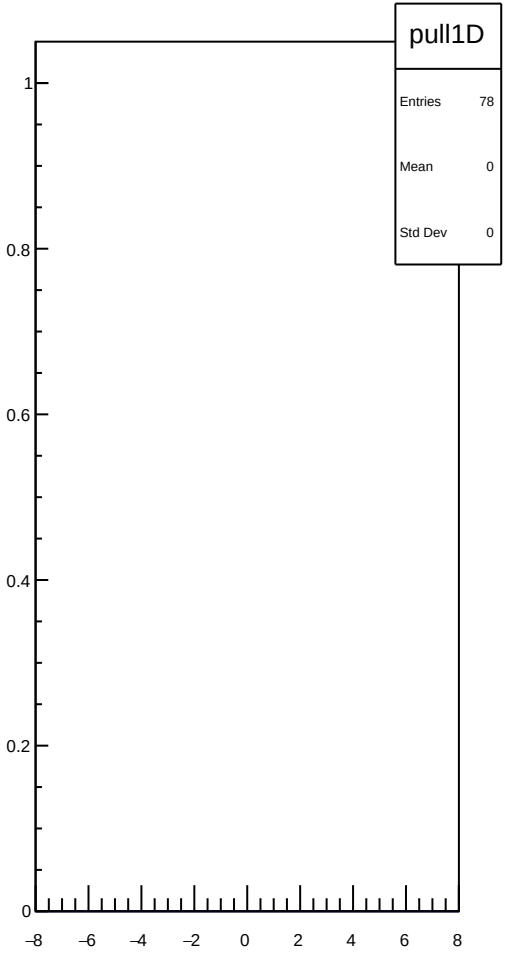

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

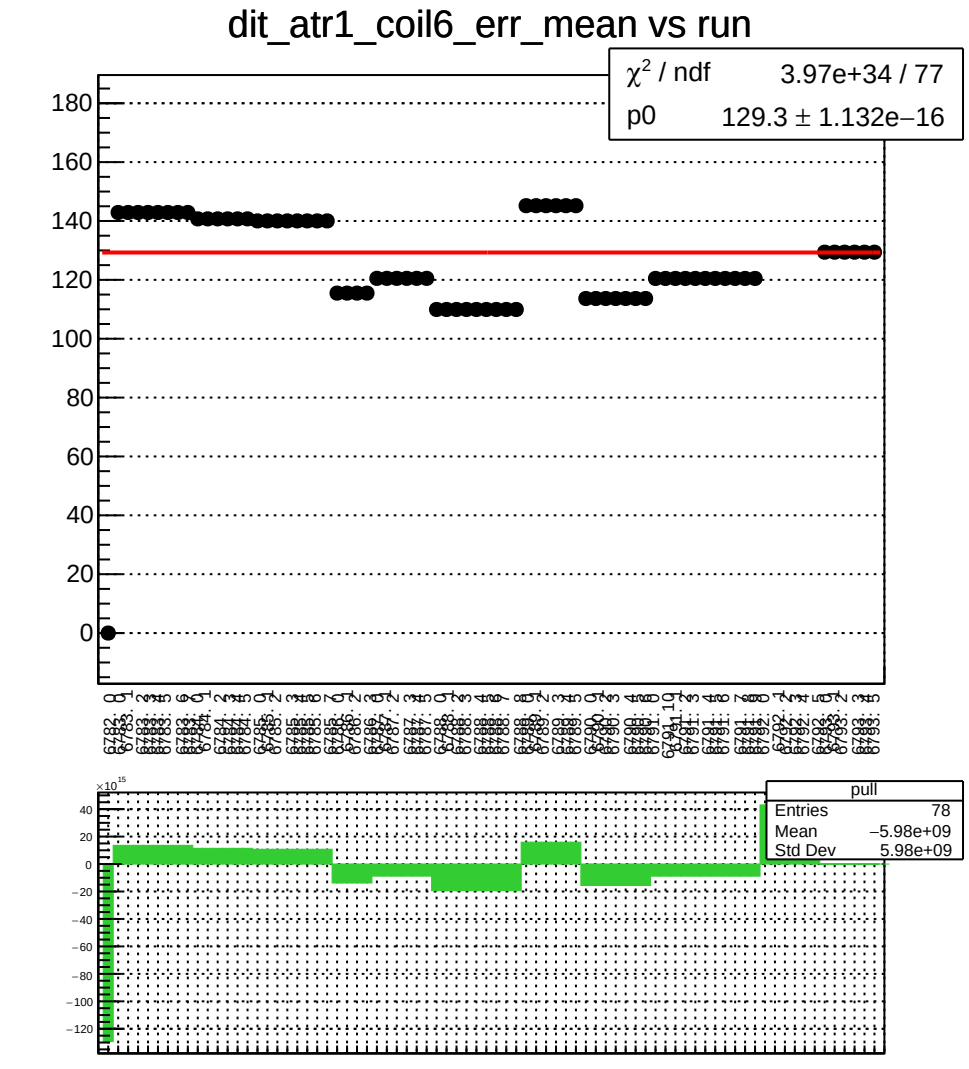

dit_atl2_coil6_err_mean vs run
χ² / ndf 7.591e+36 / 77
p0 711.2 ± 1.132e−16
pull
Entries 78
Mean −1.002e+09
Std Dev 1.002e+09
pull1D
Entries 78
Mean 0
Std Dev 0

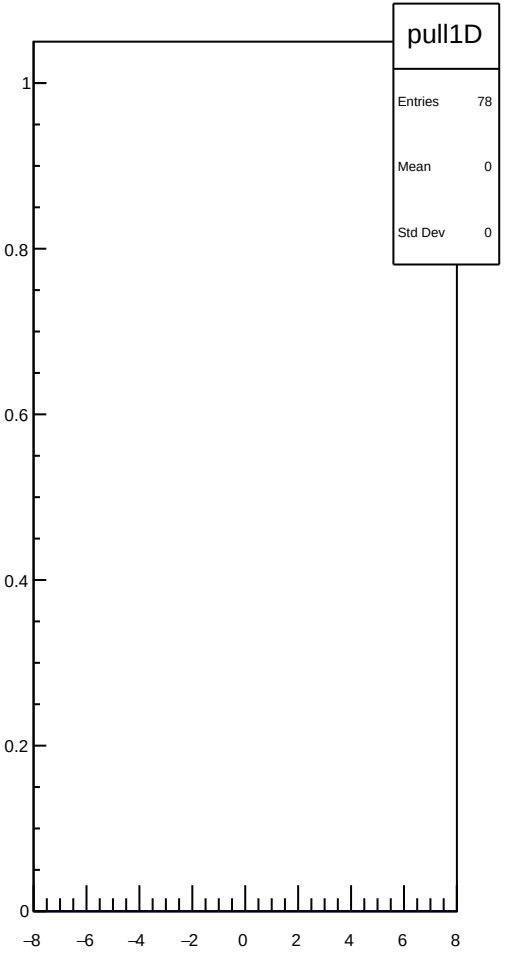

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

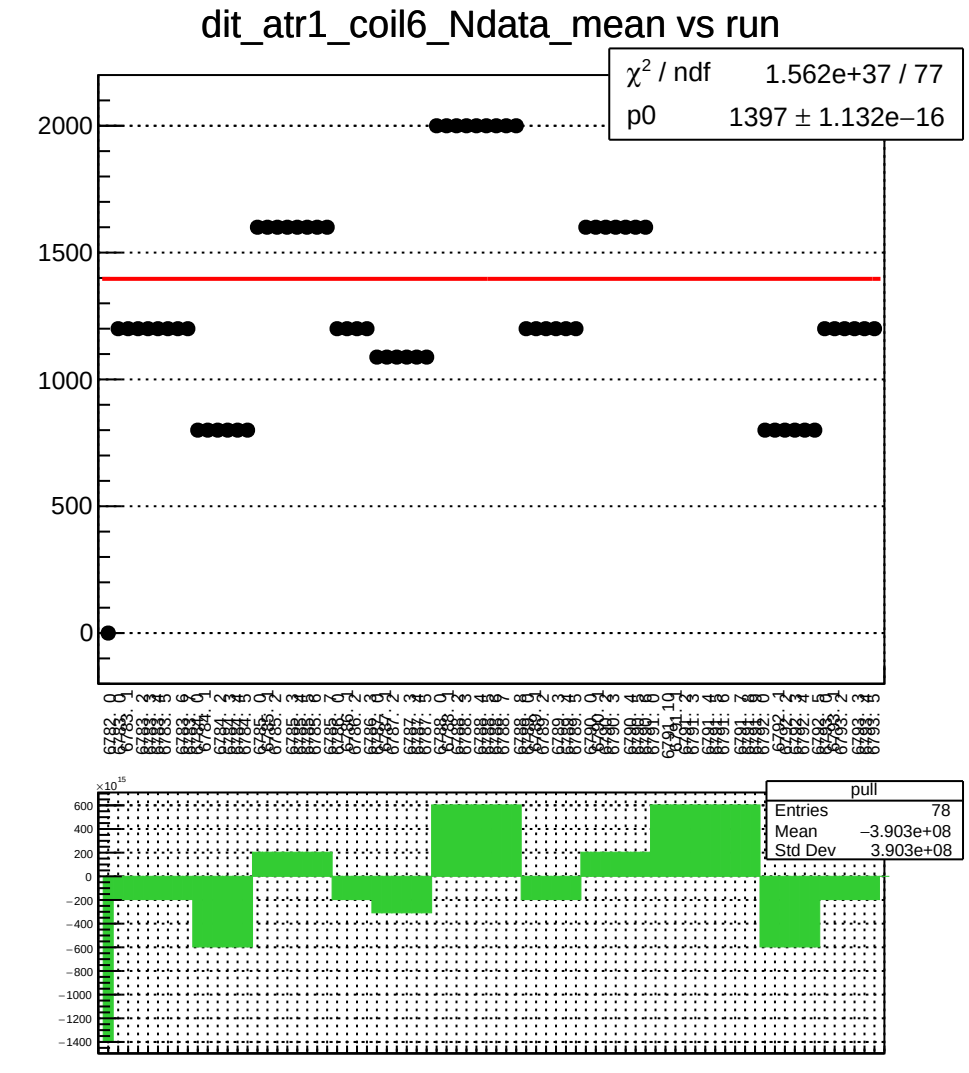

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

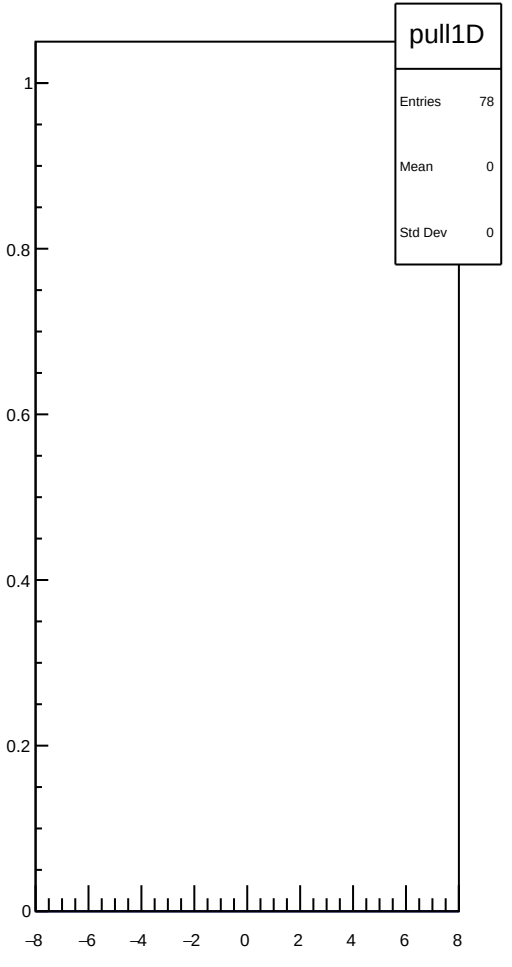

dit_atr1_coil6_mean vs run
χ² / ndf 1.85e+36 / 77
p0 908.2 ± 1.132e−16
1000
800
600
400
200
0
pull
Entries 78
Mean −8.642e+07
Std Dev 8.642e+07
×10¹⁵
0
−200
−400
−600
−800

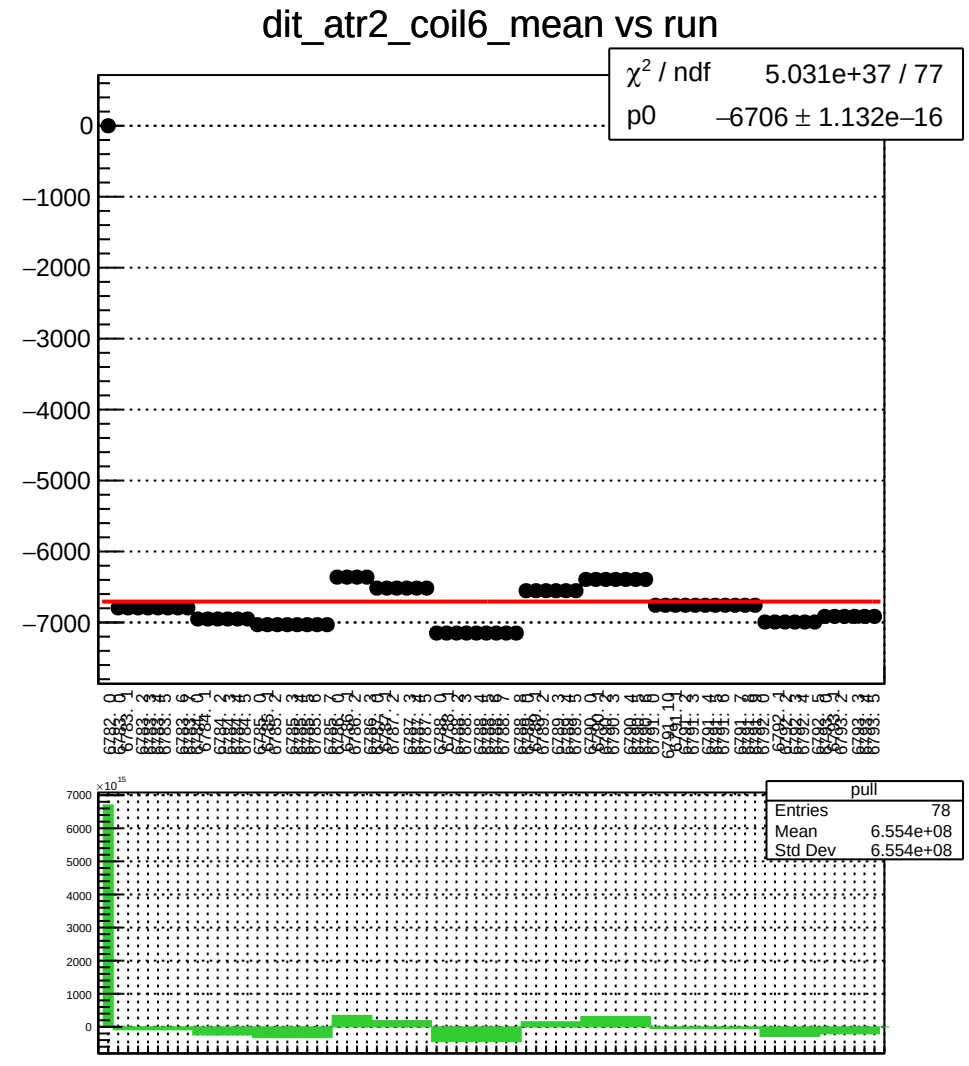

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

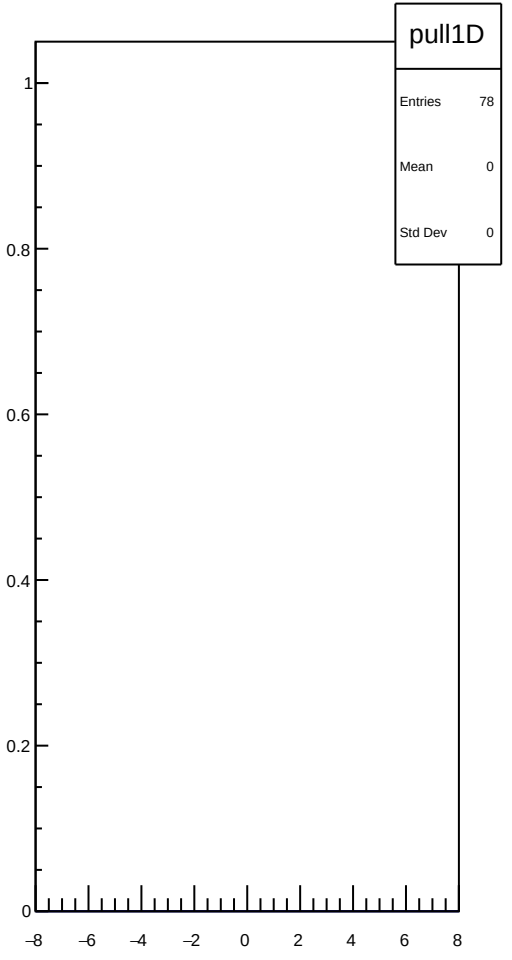

dit_atr1_coil6_err_mean vs run
χ² / ndf 3.97e+34 / 77
p0 129.3 ± 1.132e−16
pull
Entries 78
Mean −5.98e+09
Std Dev 5.98e+09

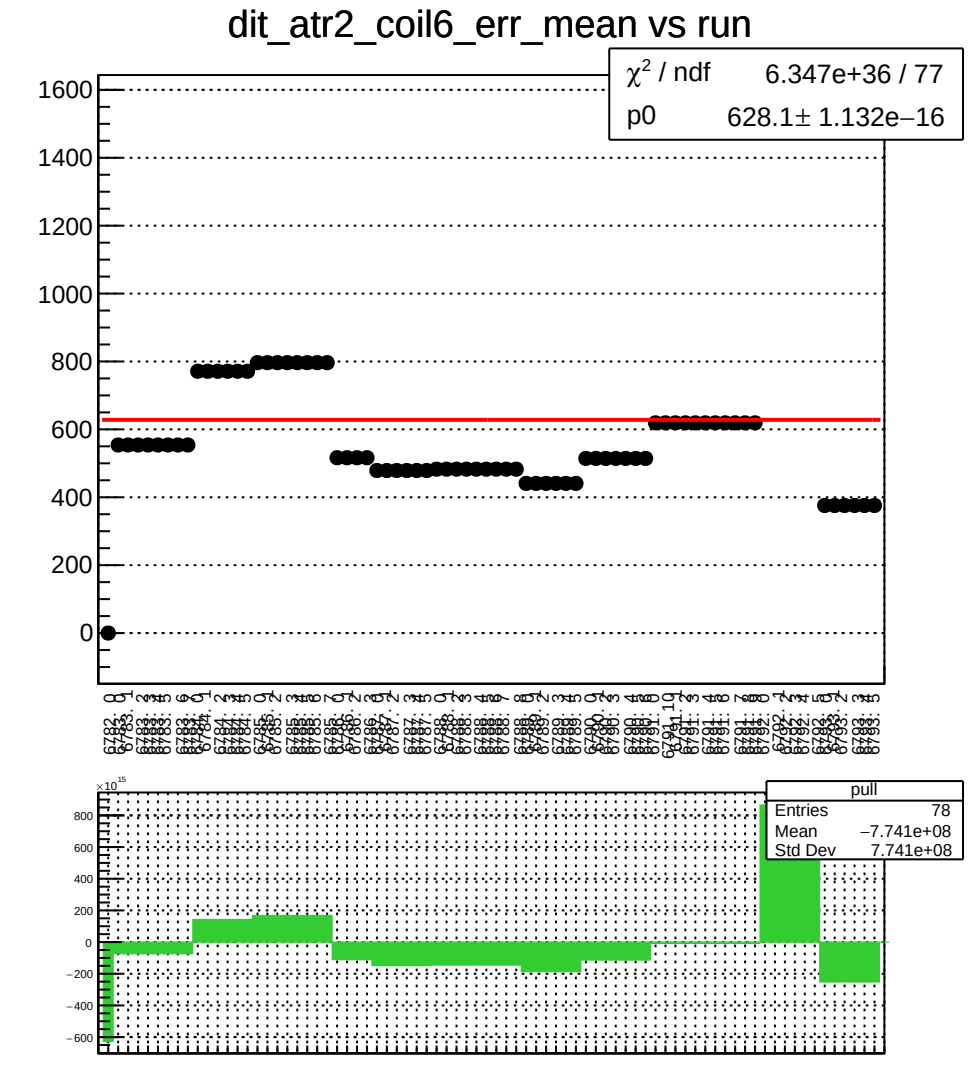

pull1D
Entries 78
Mean 0
Std Dev 0

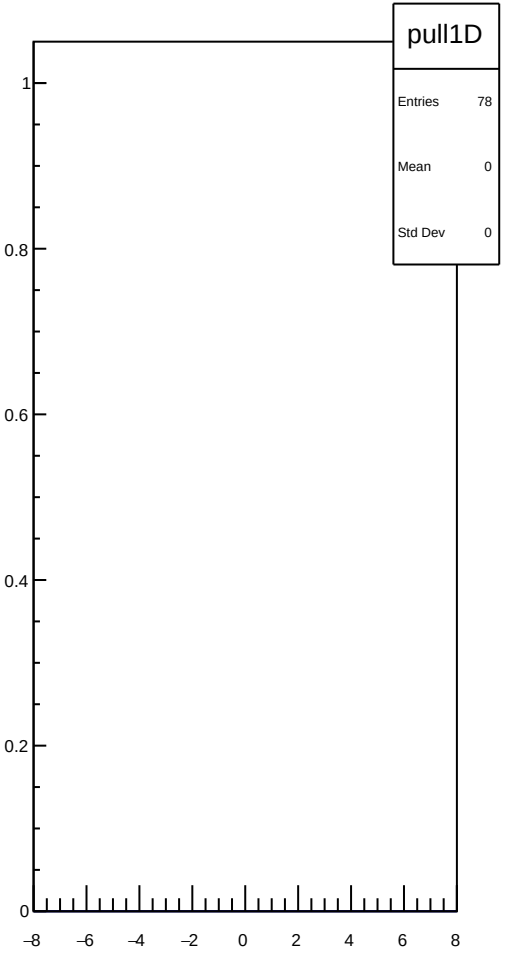

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

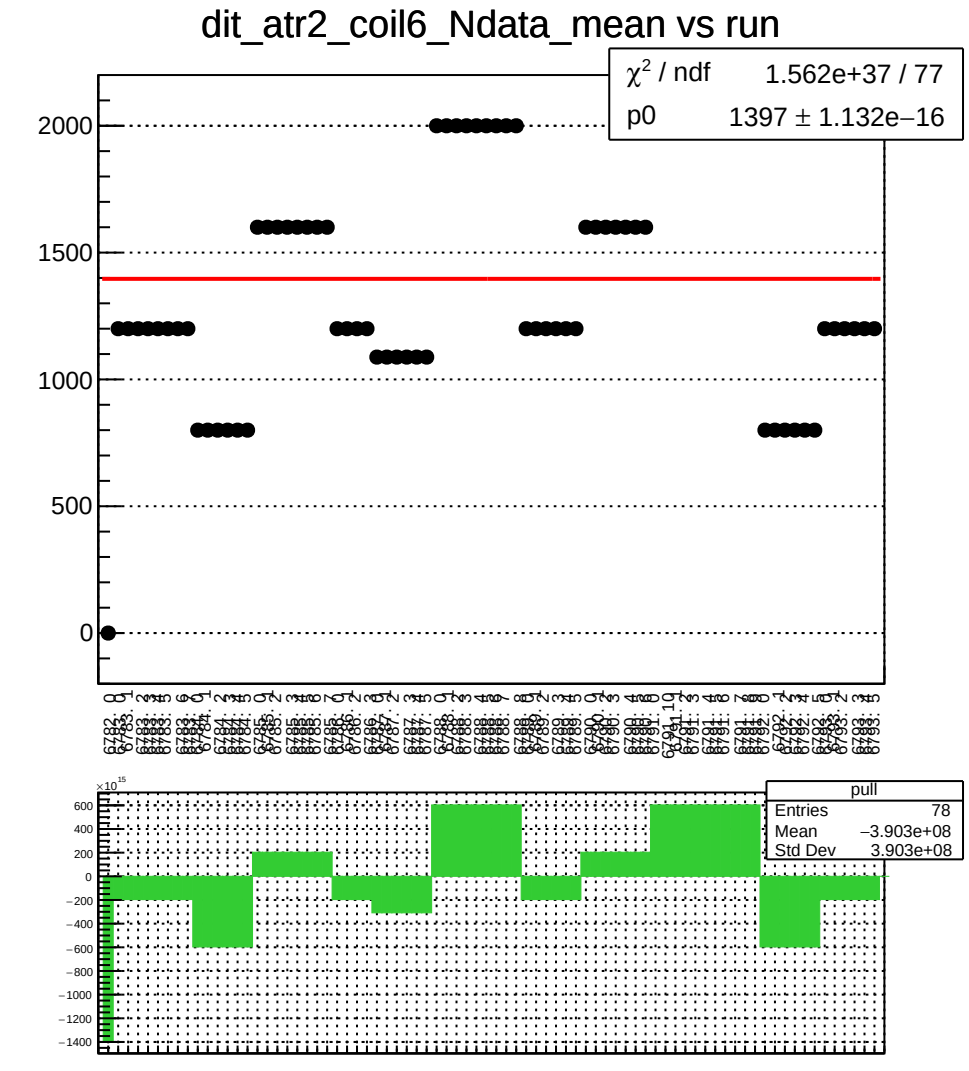

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

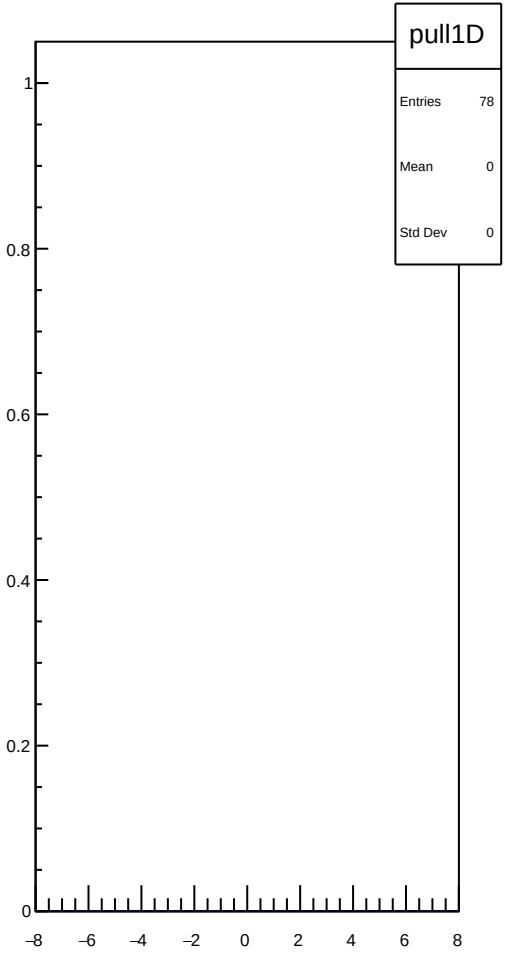

dit_atr2_coil6_mean vs run
χ² / ndf 5.031e+37 / 77
p0 –6706 ± 1.132e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 78
Mean 6.554e+08
Std Dev 6.554e+08
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0

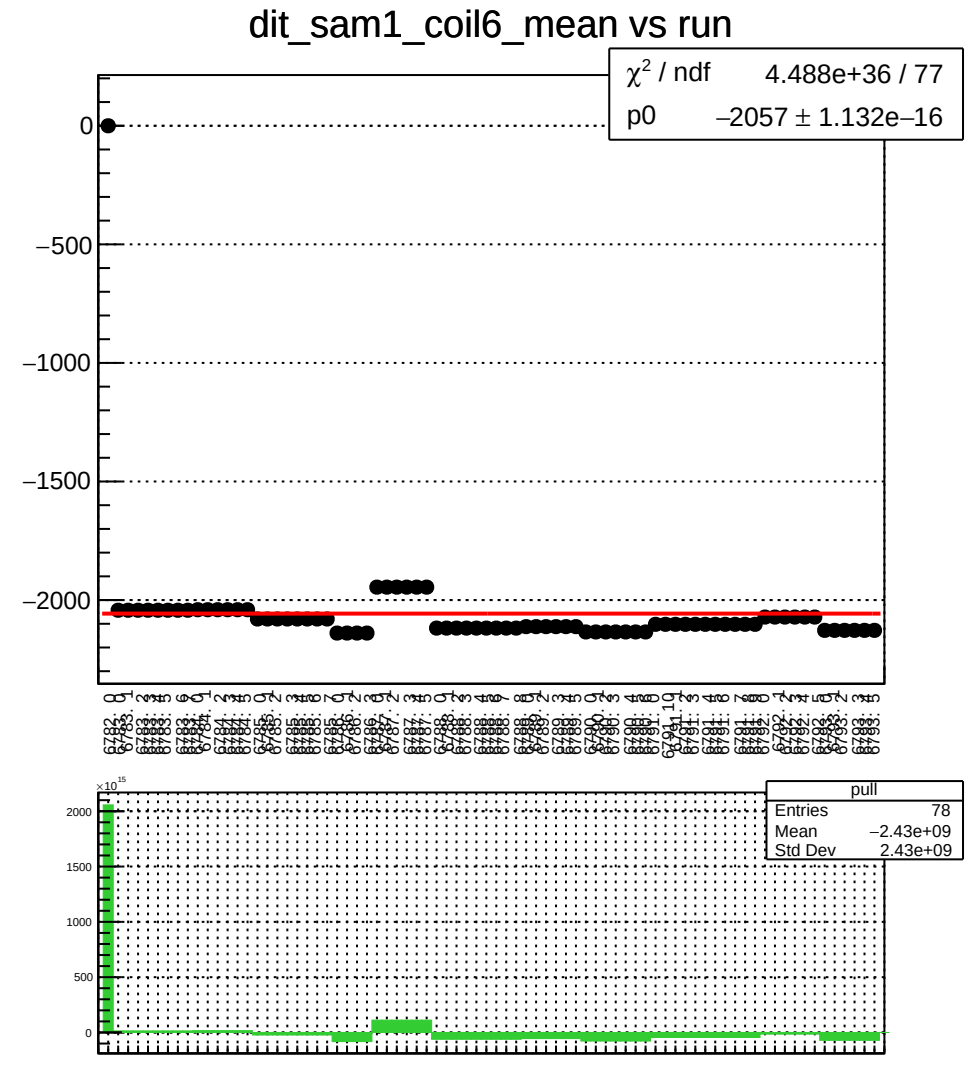

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

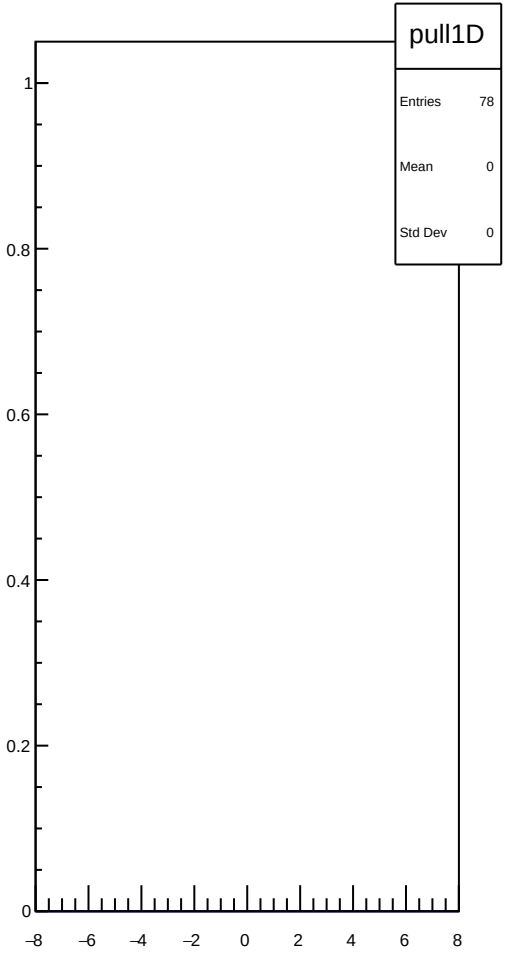

dit_atr2_coil6_err_mean vs run
χ² / ndf 6.347e+36 / 77
p0 628.1± 1.132e−16
pull
Entries 78
Mean −7.741e+08
Std Dev 7.741e+08

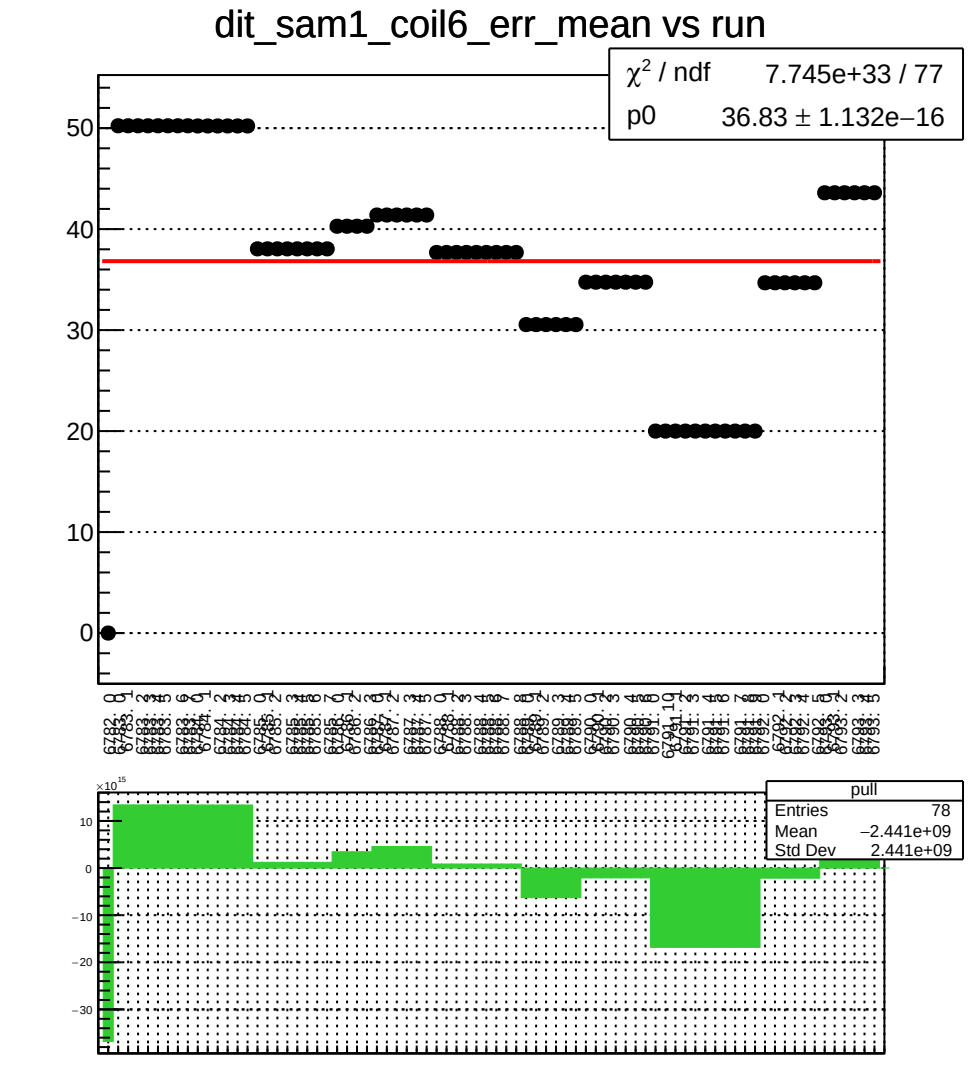

pull1D
Entries 78
Mean 0
Std Dev 0

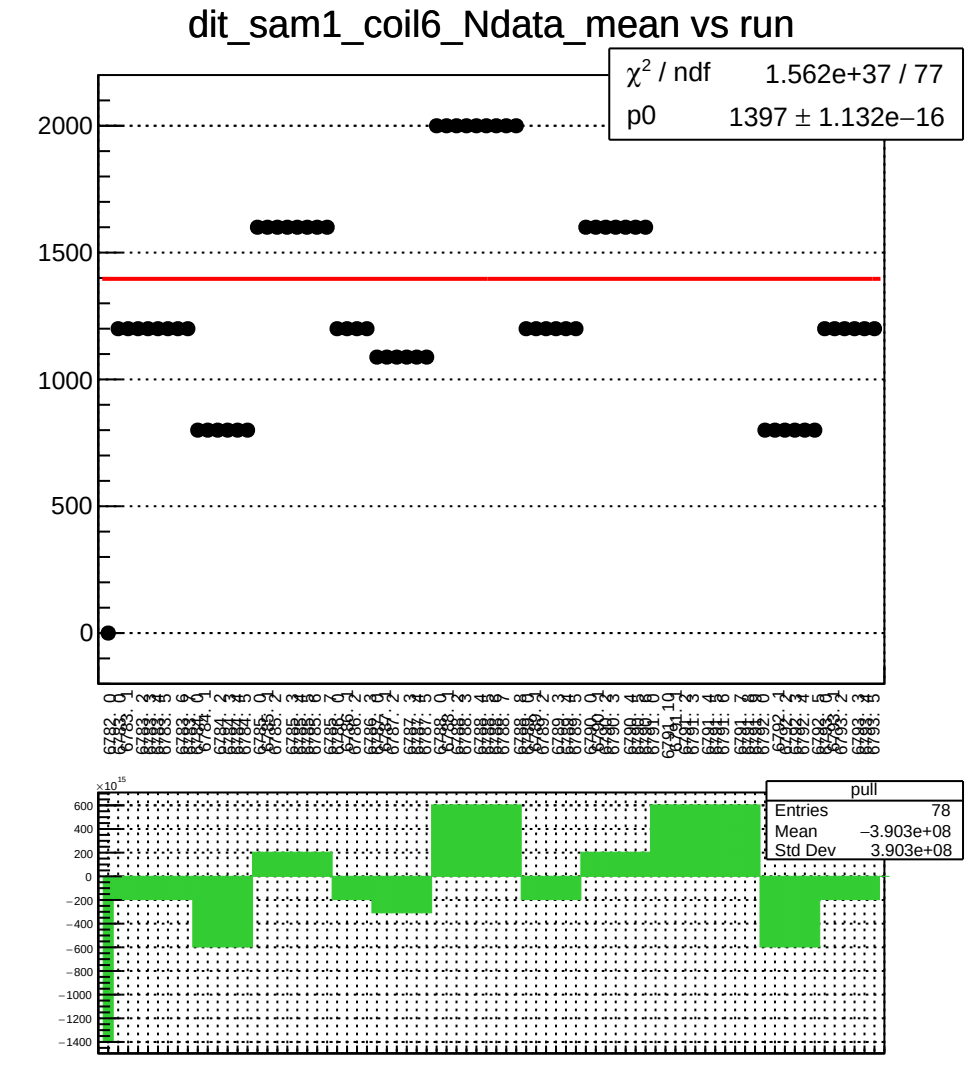

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

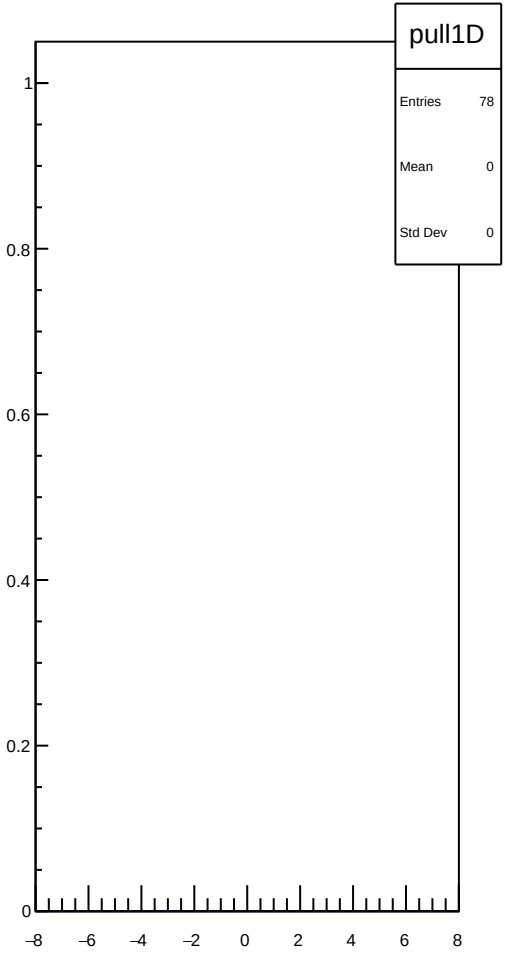

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

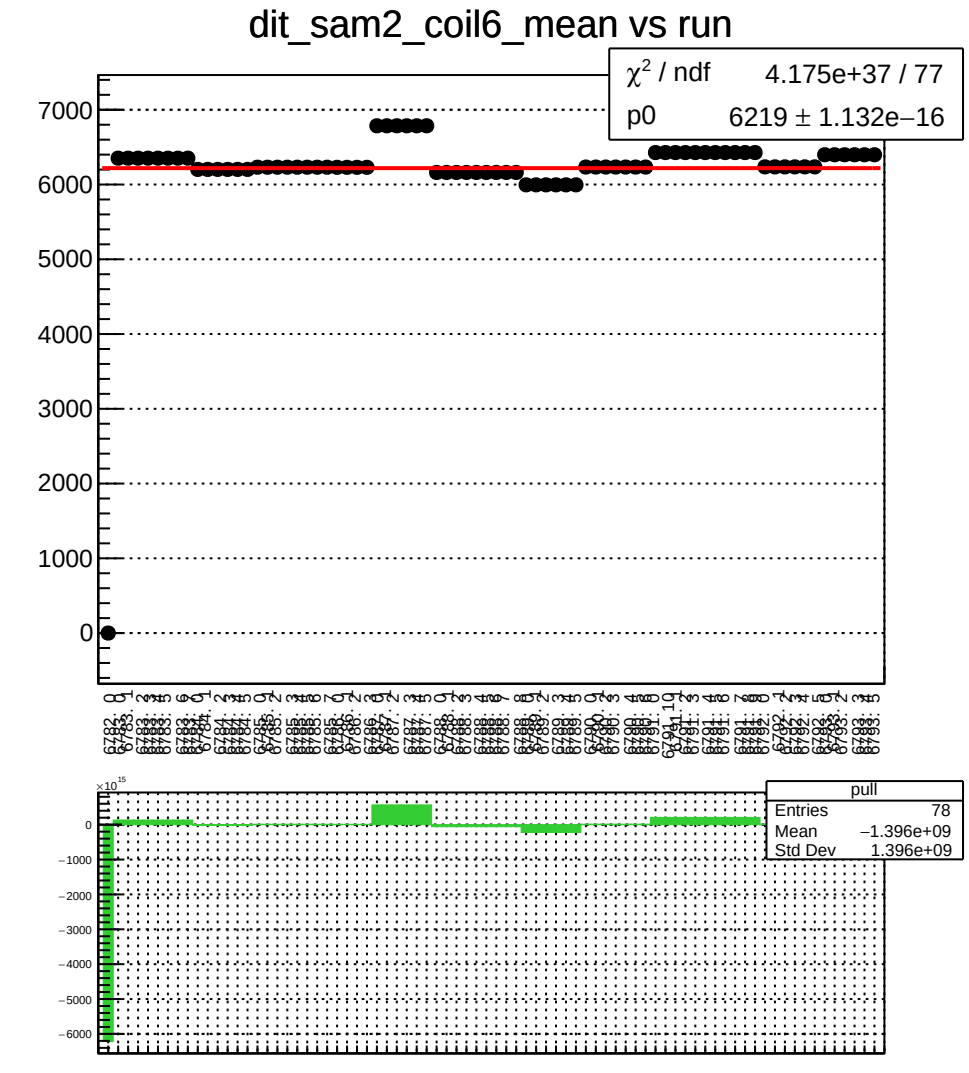

dit_sam1_coil6_mean vs run
χ² / ndf 4.488e+36 / 77
p0 –2057 ± 1.132e–16
0
–500
–1000
–1500
–2000
pull
Entries 78
Mean –2.43e+09
Std Dev 2.43e+09
×10¹⁵
2000
1500
1000
500
0

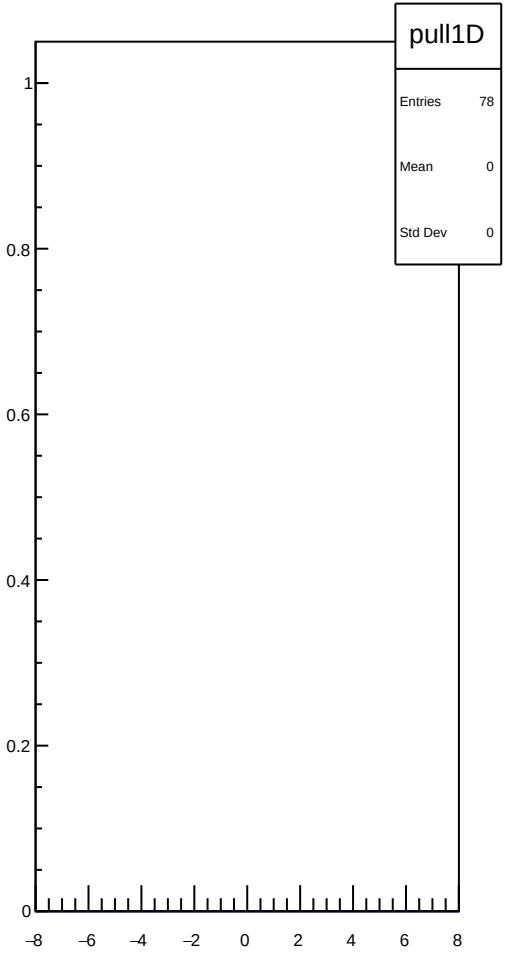

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

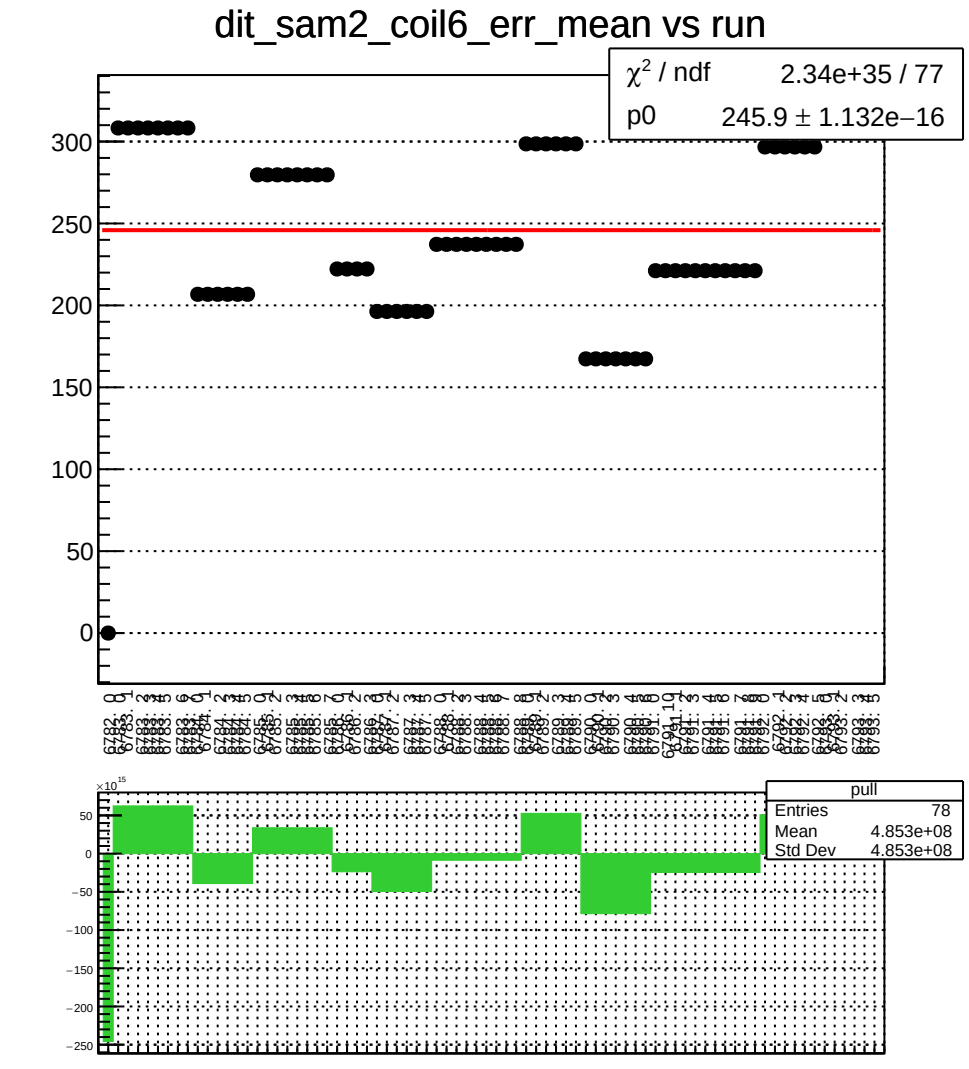

dit_sam1_coil6_err_mean vs run
χ² / ndf 7.745e+33 / 77
p0 36.83 ± 1.132e−16
pull
Entries 78
Mean −2.441e+09
Std Dev 2.441e+09
pull1D
Entries 78
Mean 0
Std Dev 0

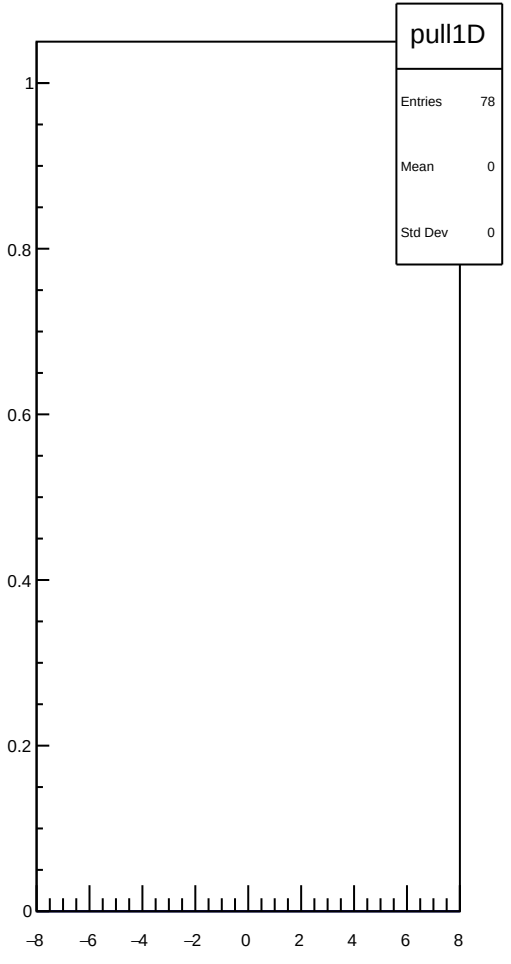

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

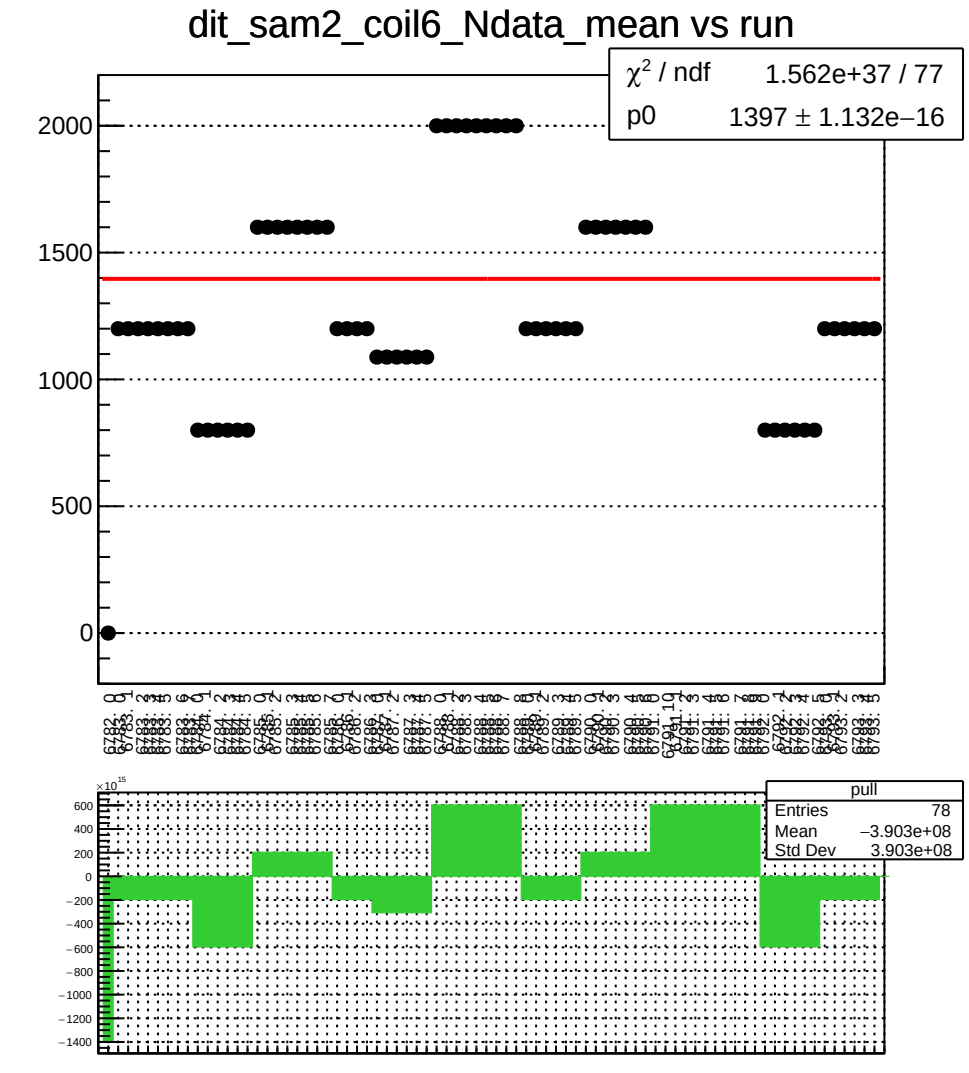

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

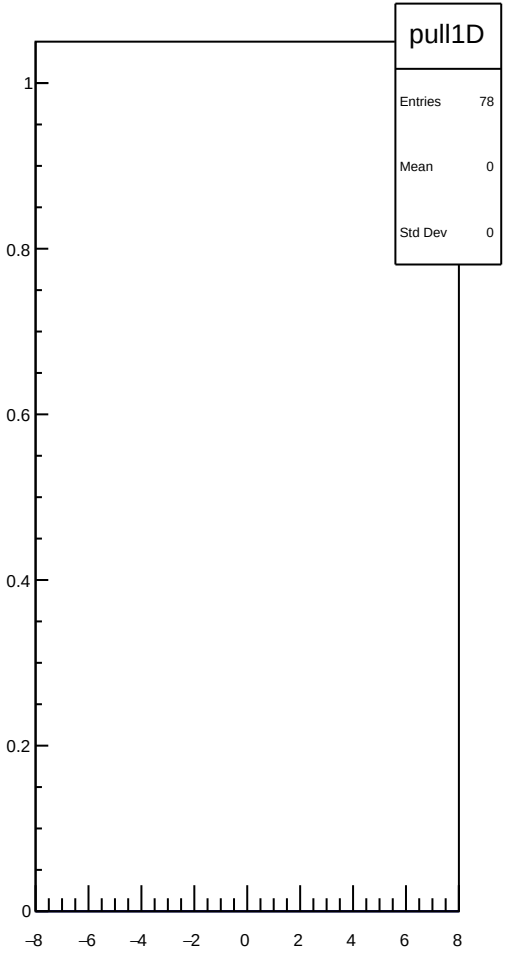

dit_sam2_coil6_mean vs run
χ² / ndf 4.175e+37 / 77
p0 6219 ± 1.132e−16
pull
Entries 78
Mean −1.396e+09
Std Dev 1.396e+09

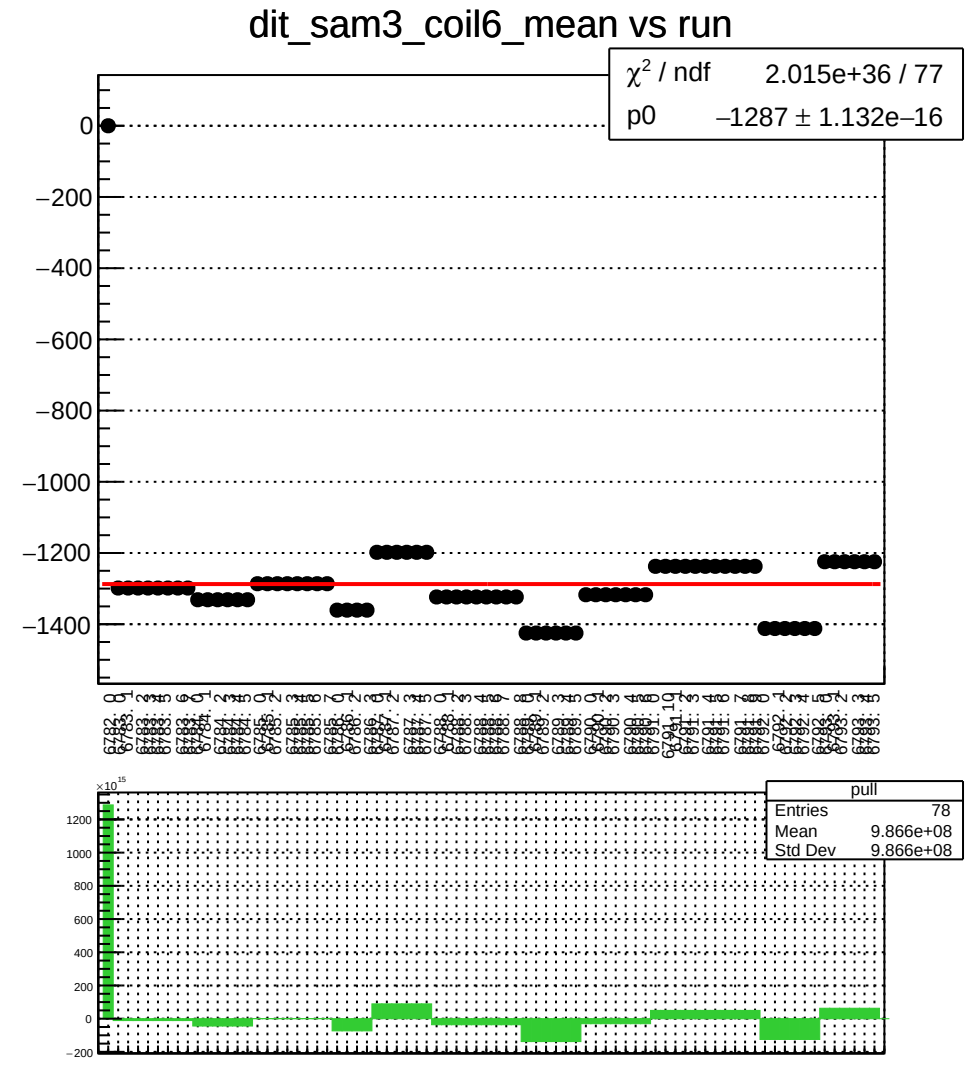

pull1D
Entries 78
Mean 0
Std Dev 0

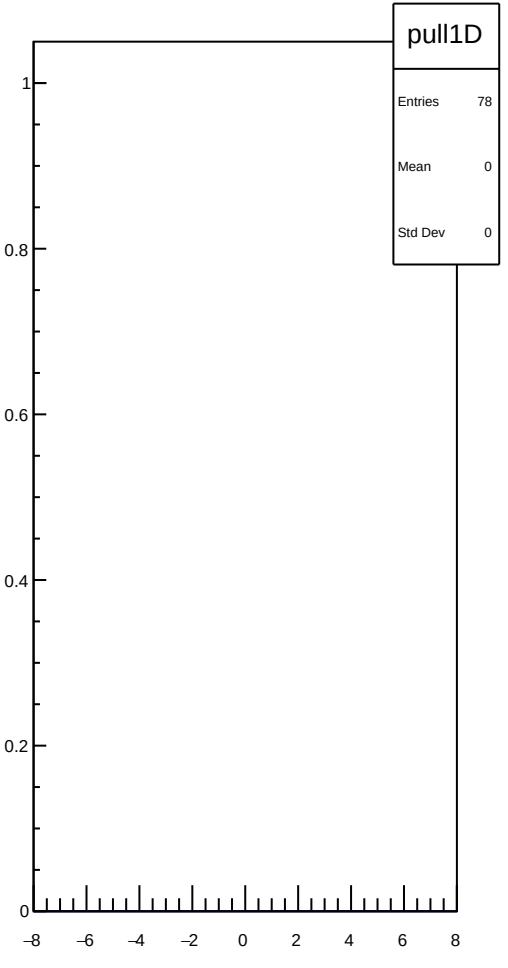

dit_sam2_coil6_err_mean vs run
χ² / ndf 2.34e+35 / 77
p0 245.9 ± 1.132e−16
pull
Entries 78
Mean 4.853e+08
Std Dev 4.853e+08

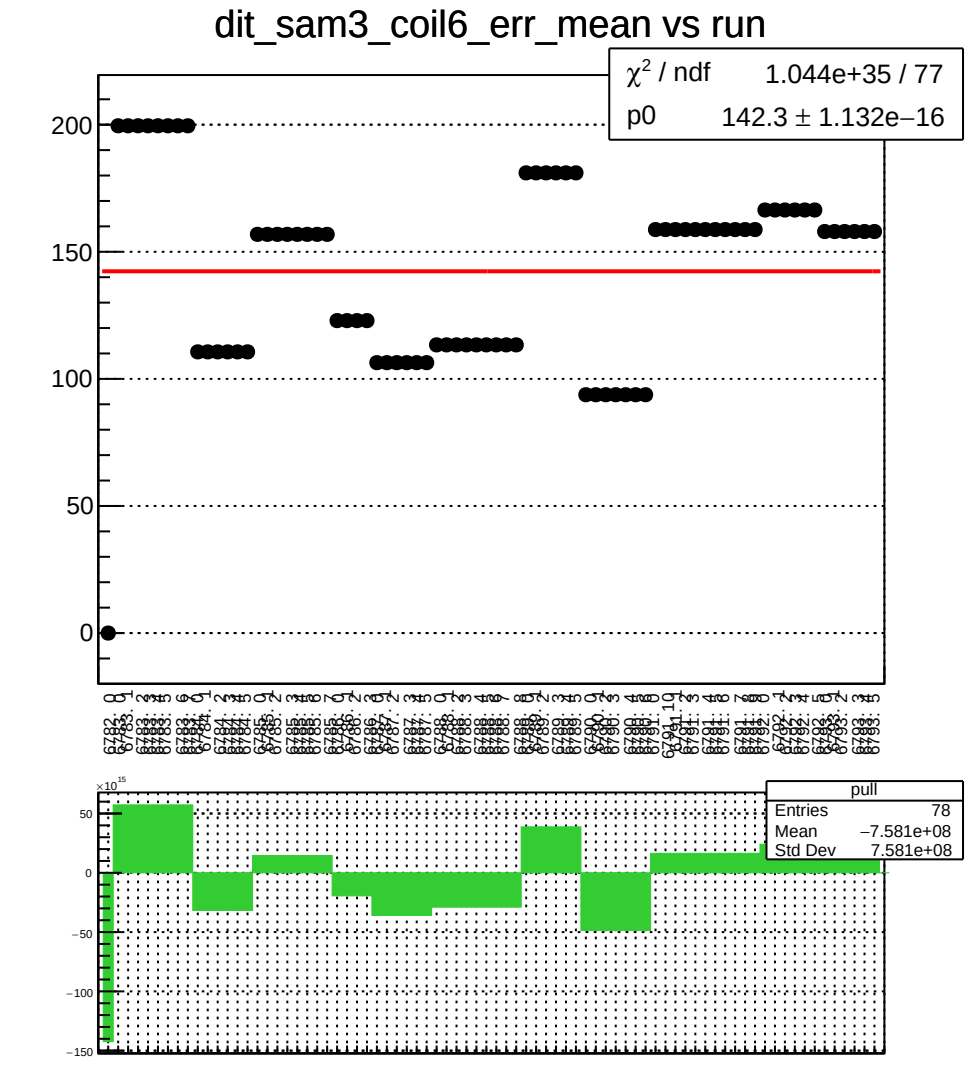

pull1D
Entries 78
Mean 0
Std Dev 0

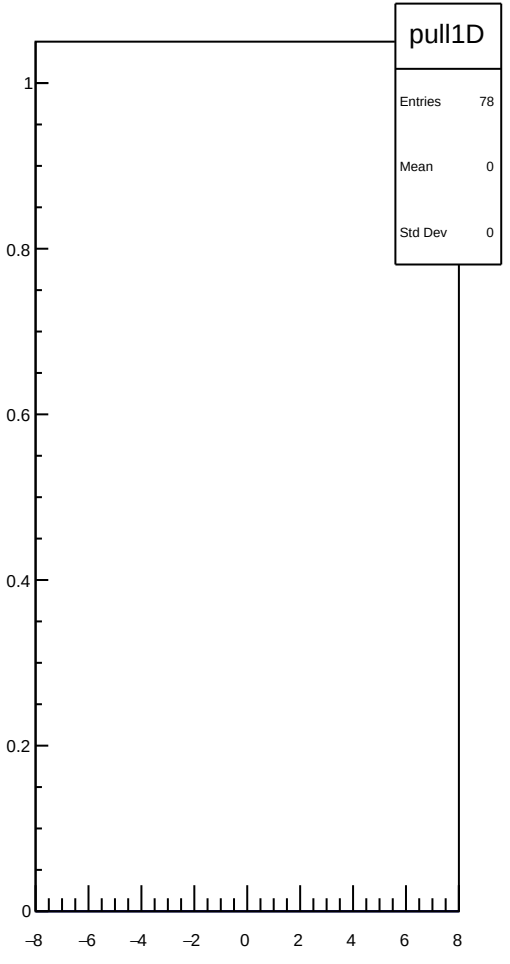

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

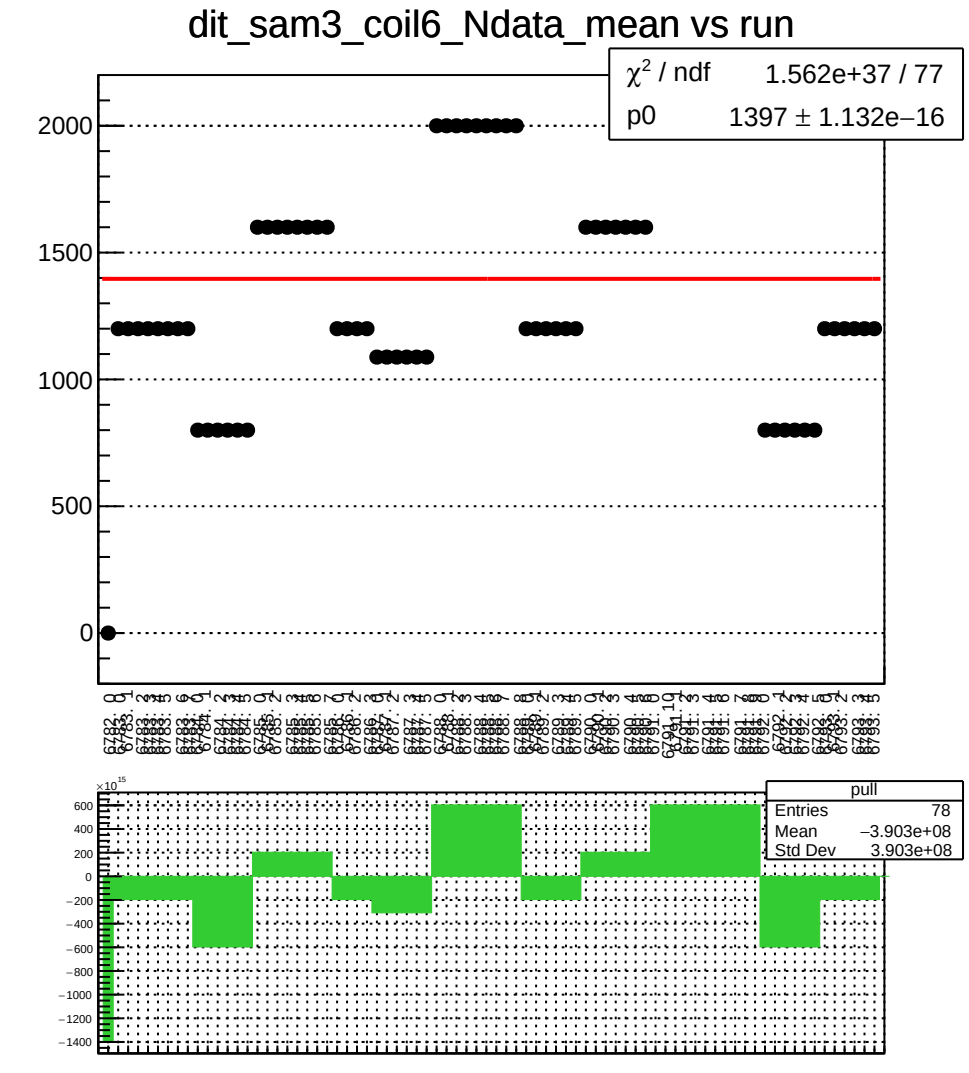

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

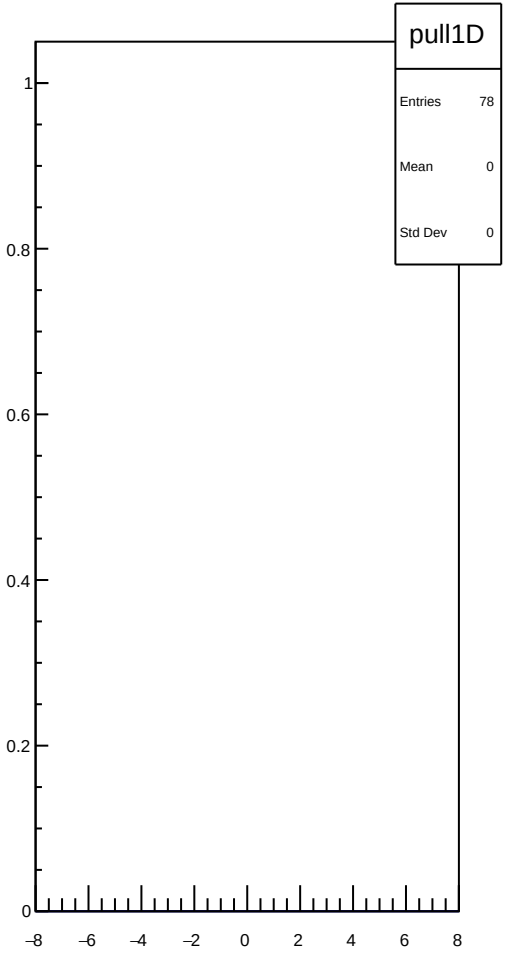

dit_sam3_coil6_mean vs run
χ² / ndf 2.015e+36 / 77
p0 –1287 ± 1.132e–16
pull
Entries 78
Mean 9.866e+08
Std Dev 9.866e+08

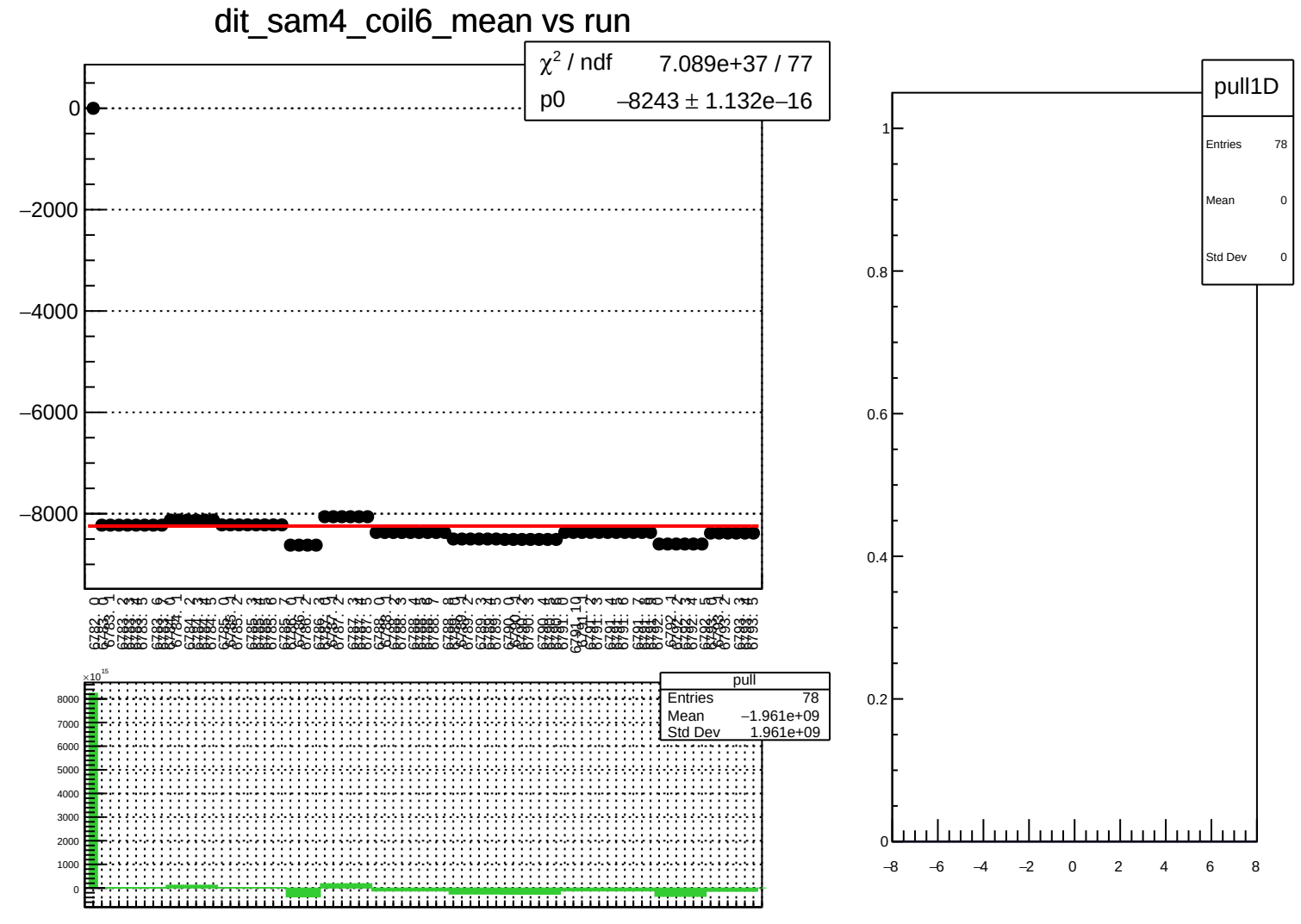

pull1D
Entries 78
Mean 0
Std Dev 0

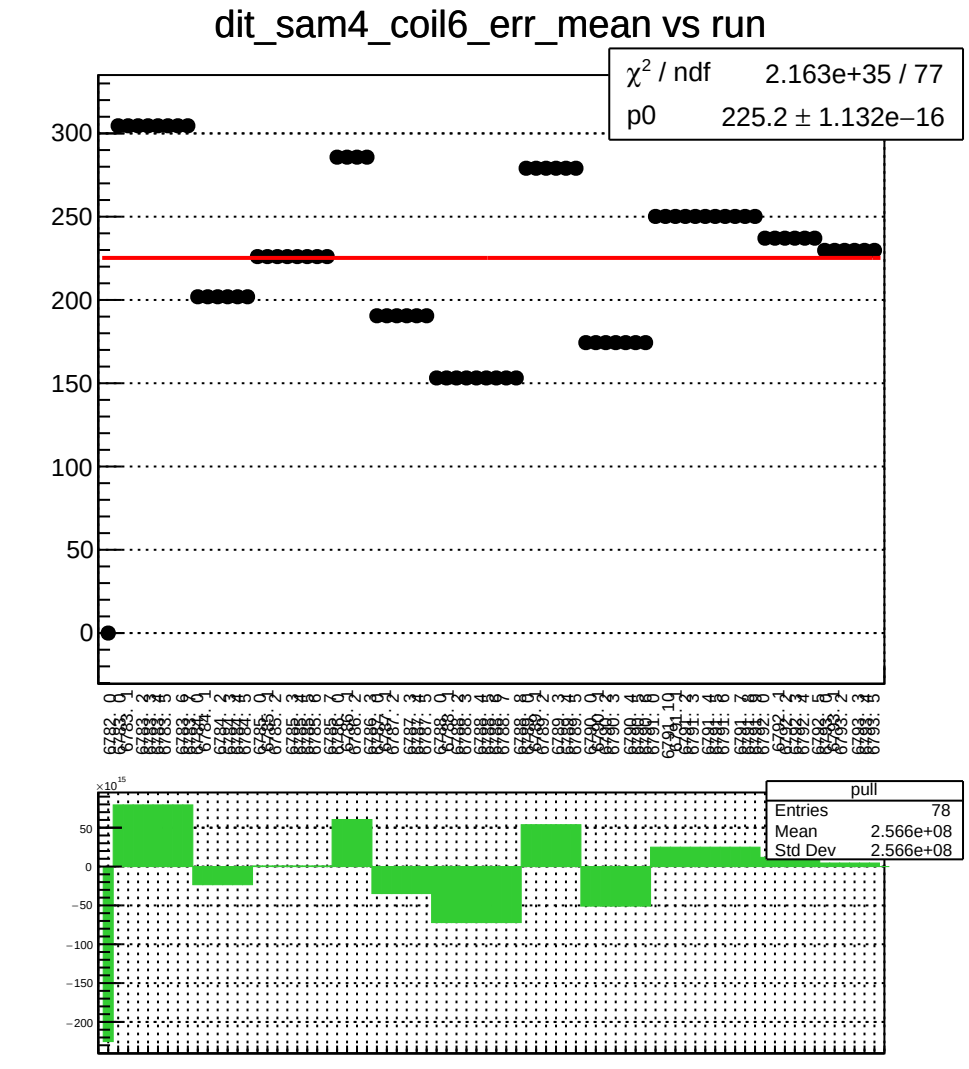

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.044e+35 / 77
p0 142.3 ± 1.132e−16
200
150
100
50
0
pull
Entries 78
Mean −7.581e+08
Std Dev 7.581e+08
×10¹⁵
50
0
−50
−100
−150

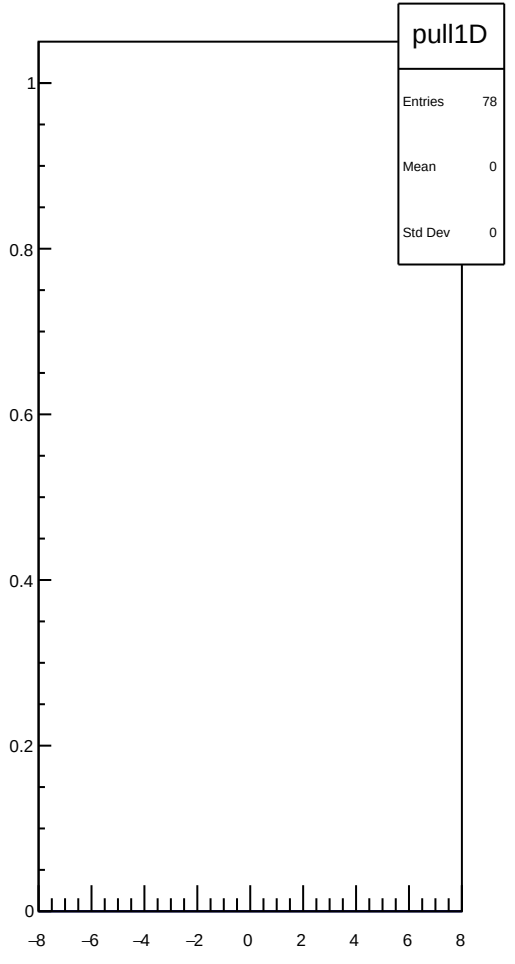

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

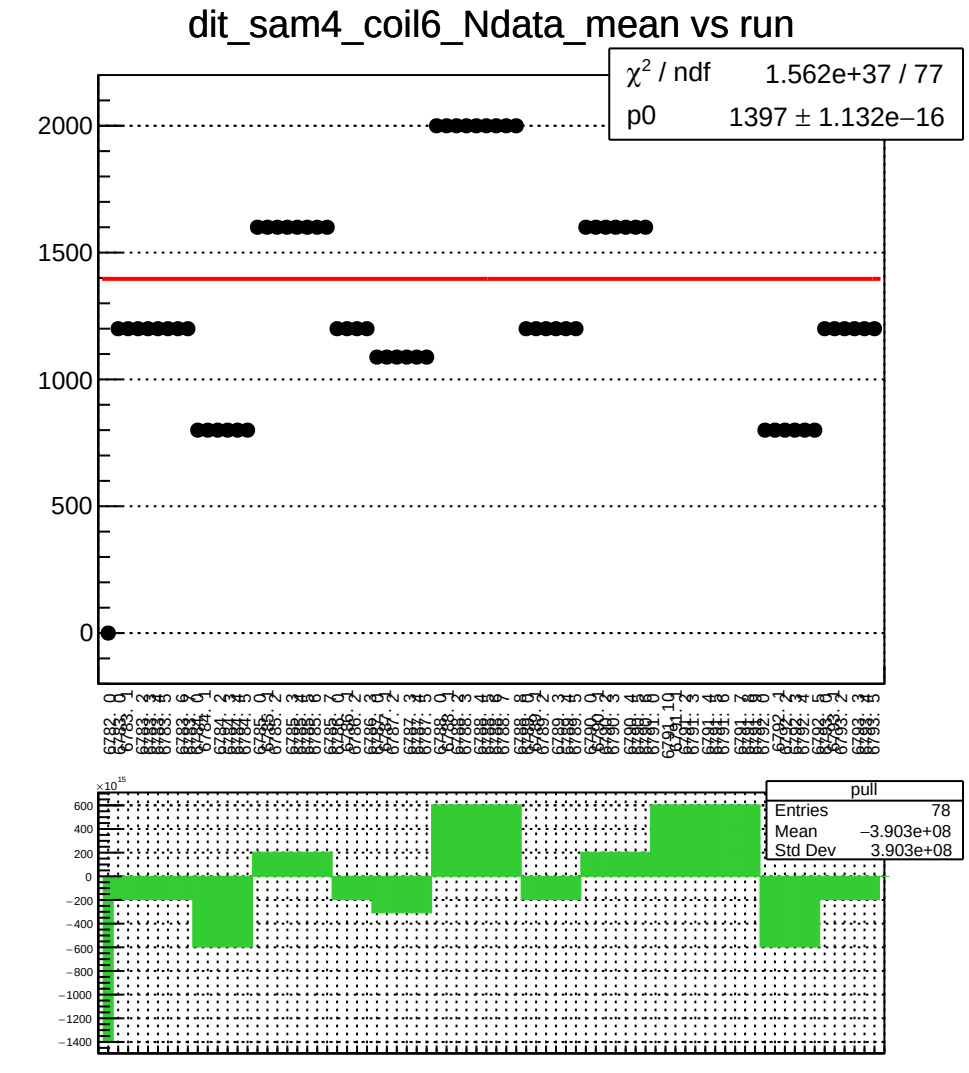

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

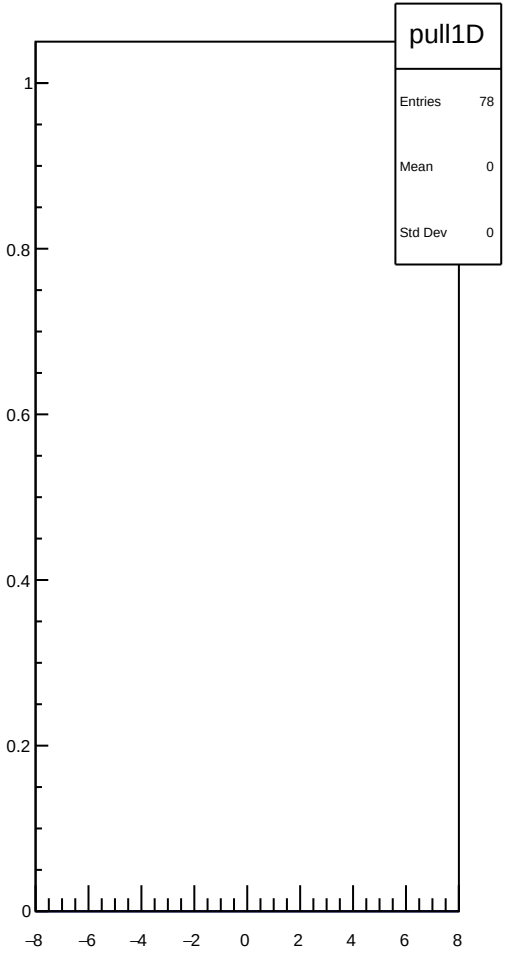

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

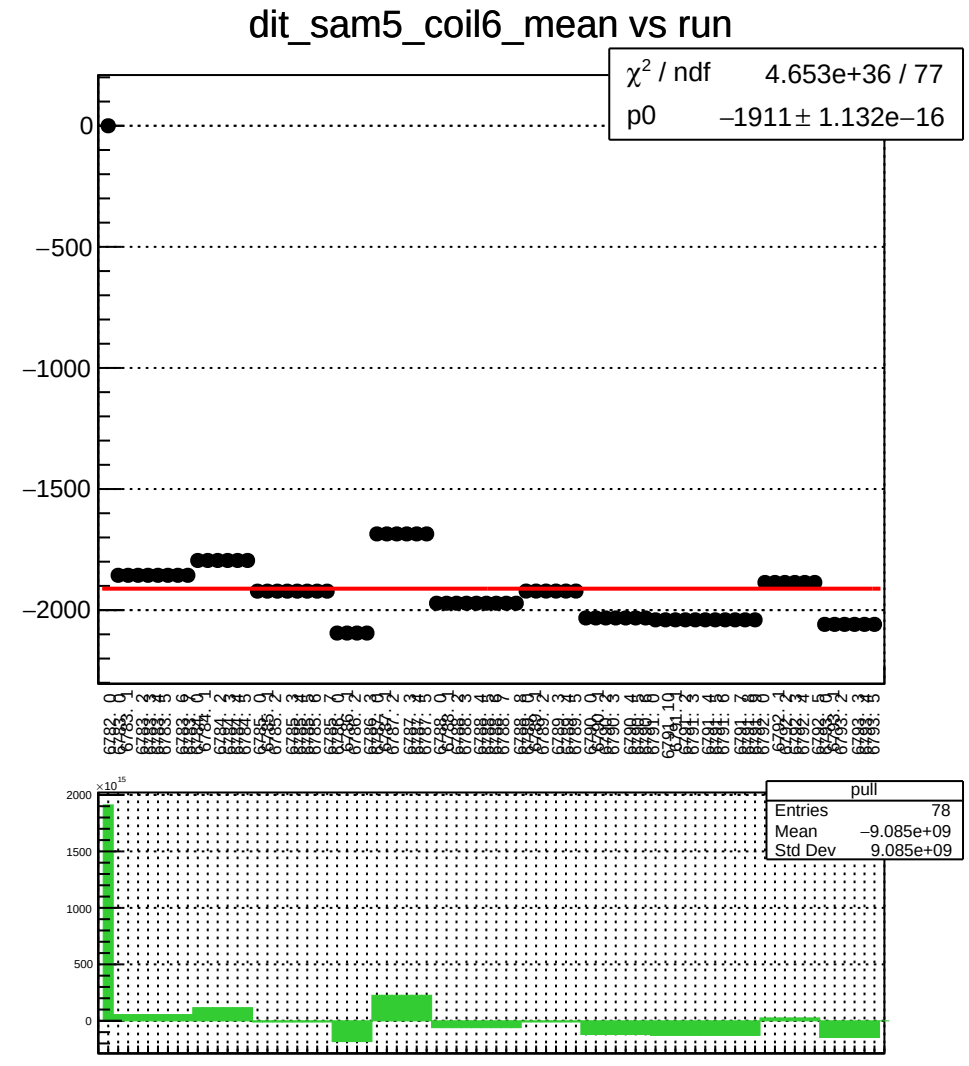

dit_sam4_coil6_mean vs run
χ² / ndf 7.089e+37 / 77
p0 −8243 ± 1.132e−16
0
−2000
−4000
−6000
−8000
pull
Entries 78
Mean −1.961e+09
Std Dev 1.961e+09
×10¹⁵
8000
7000
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

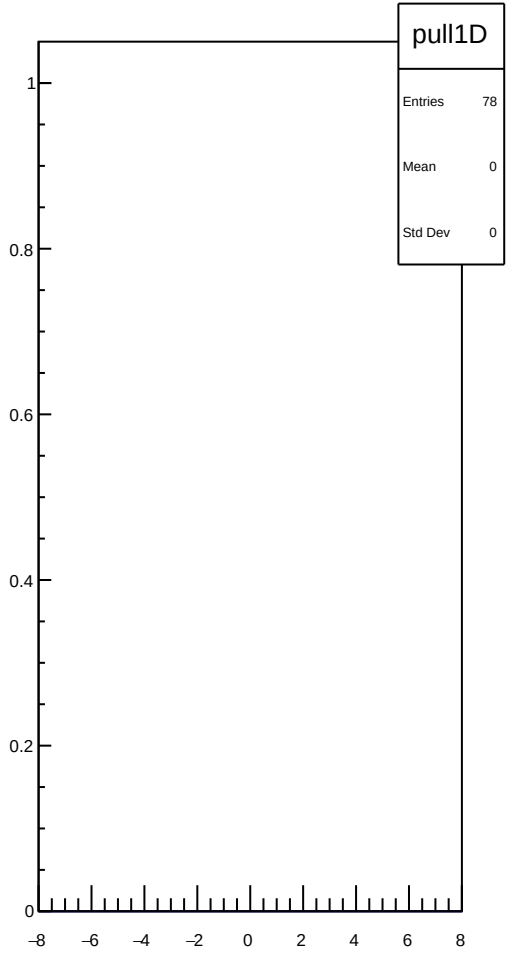

dit_sam4_coil6_err_mean vs run
χ² / ndf 2.163e+35 / 77
p0 225.2 ± 1.132e−16
300
250
200
150
100
50
0
pull
Entries 78
Mean 2.566e+08
Std Dev 2.566e+08
×10¹⁵
50
0
−50
−100
−150
−200

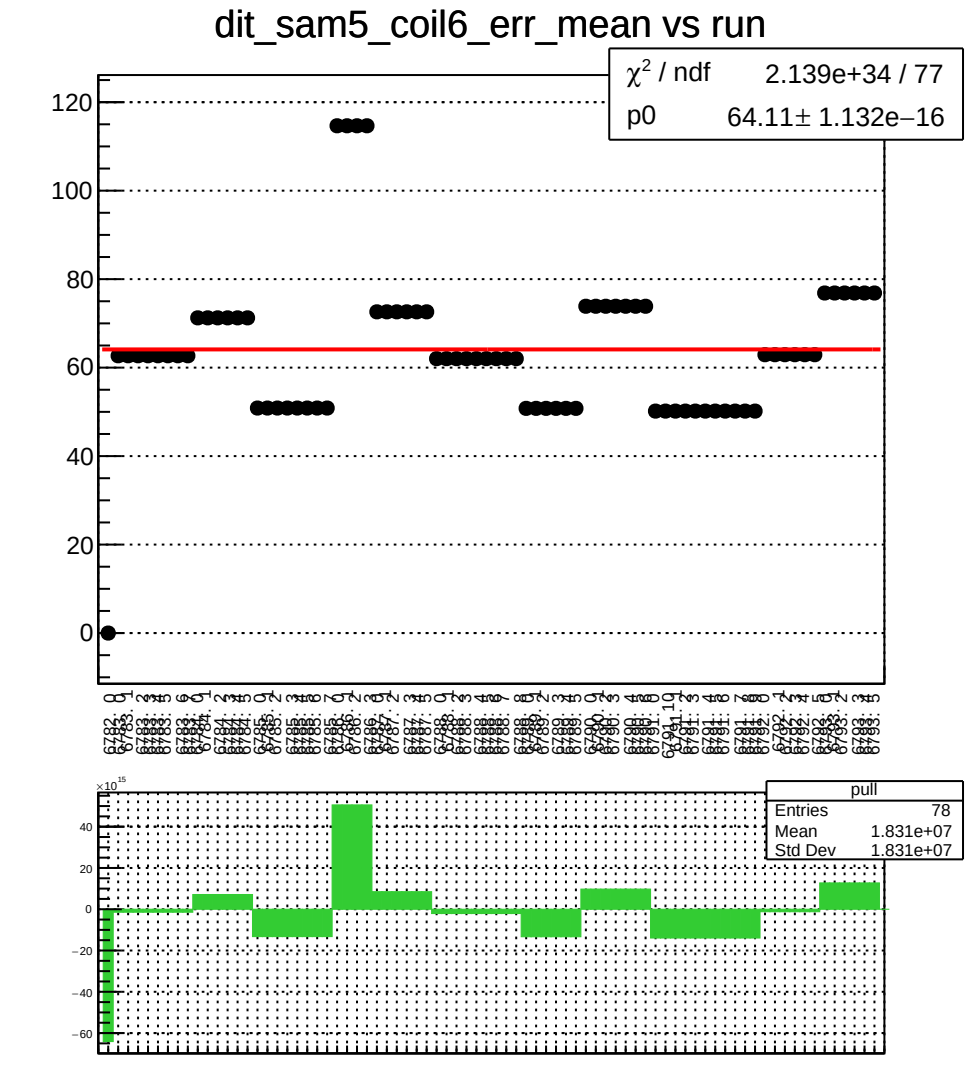

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

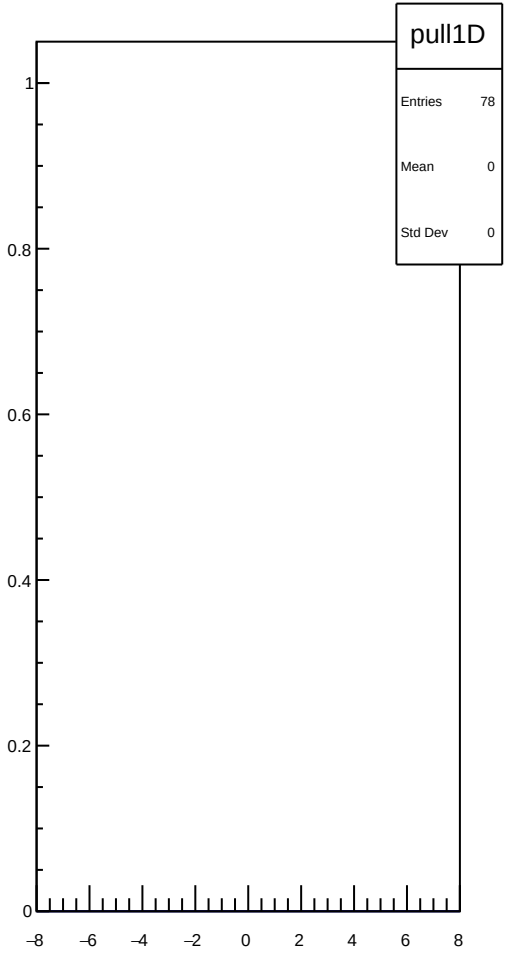

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

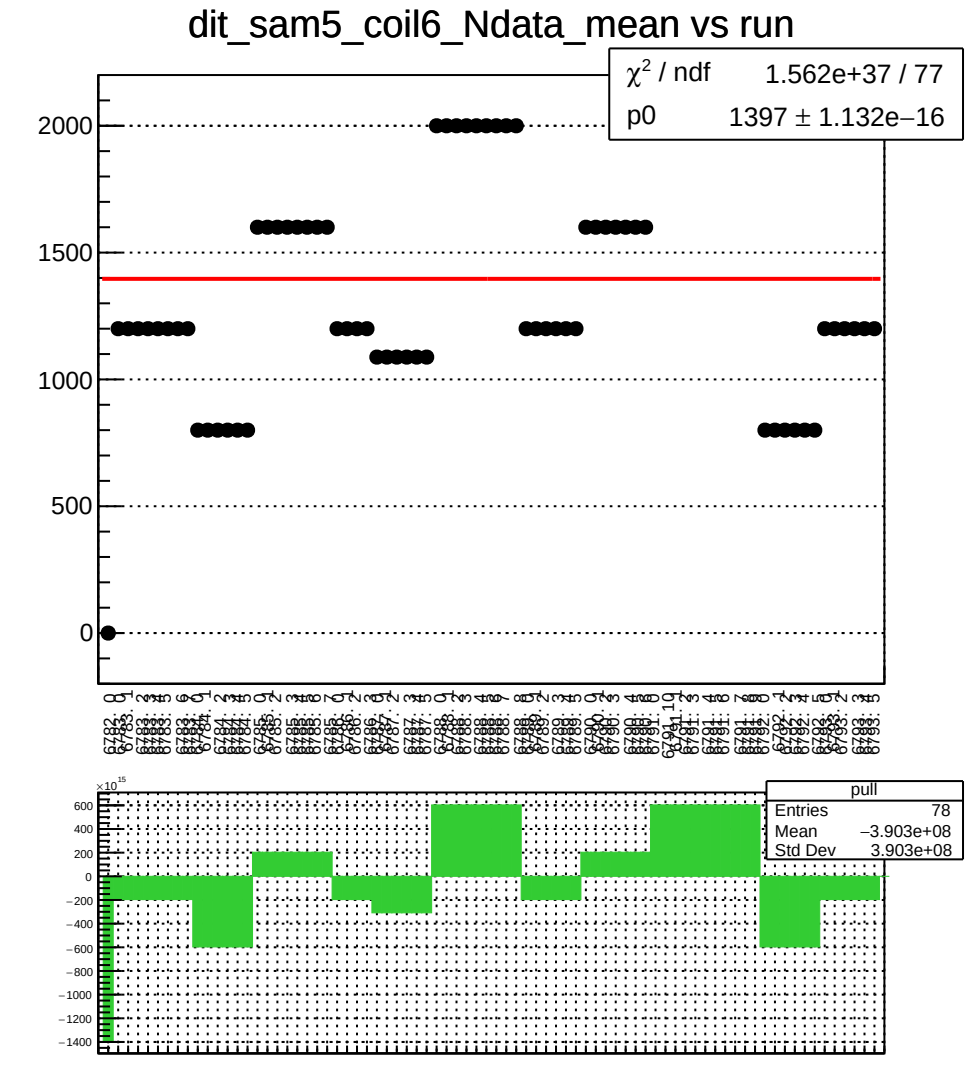

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

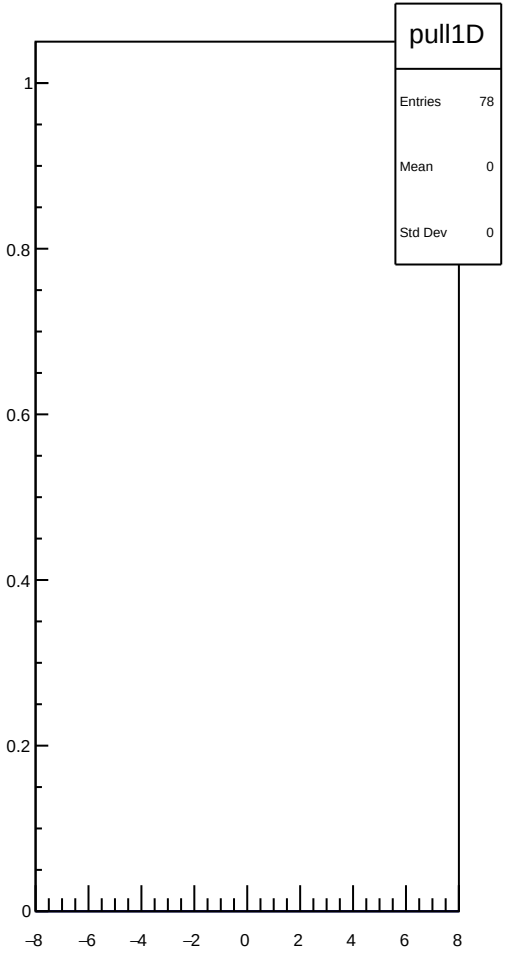

dit_sam5_coil6_mean vs run
χ² / ndf 4.653e+36 / 77
p0 −1911 ± 1.132e−16
0
−500
−1000
−1500
−2000
pull
Entries 78
Mean −9.085e+09
Std Dev 9.085e+09
×10¹⁵
2000
1500
1000
500
0

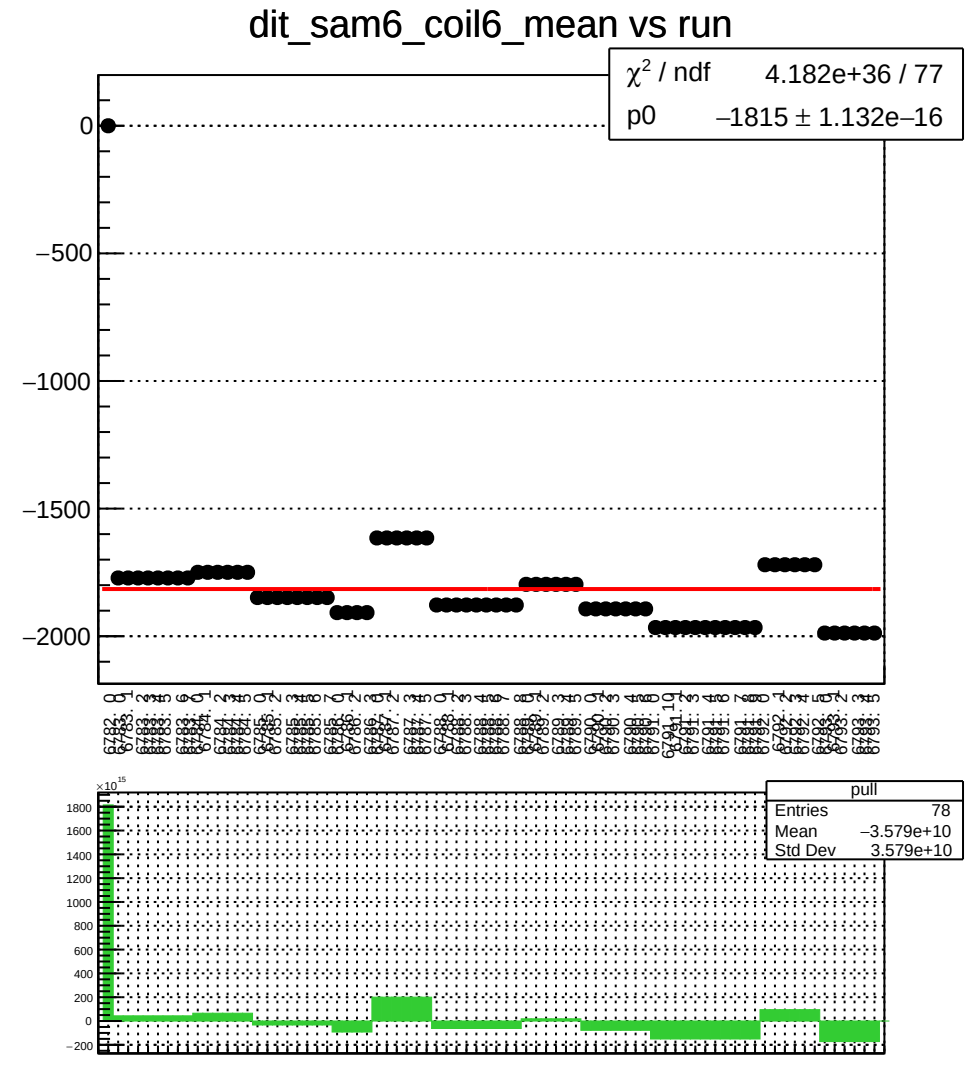

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

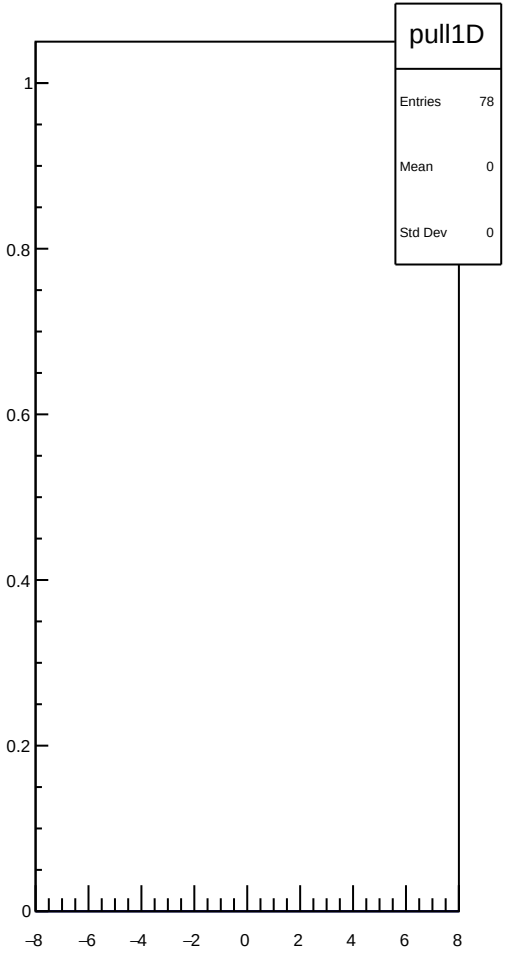

dit_sam5_coil6_err_mean vs run
χ² / ndf 2.139e+34 / 77
p0 64.11± 1.132e−16
pull
Entries 78
Mean 1.831e+07
Std Dev 1.831e+07

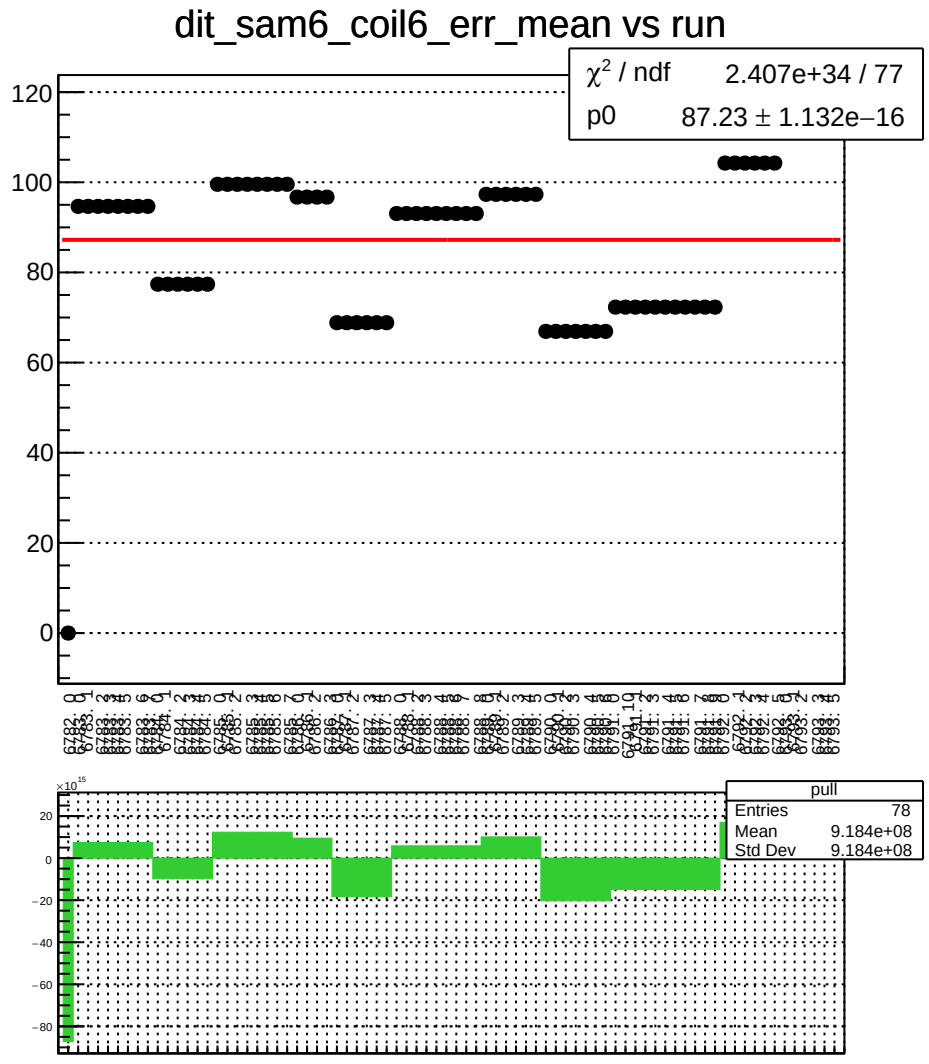

pull1D
Entries 78
Mean 0
Std Dev 0

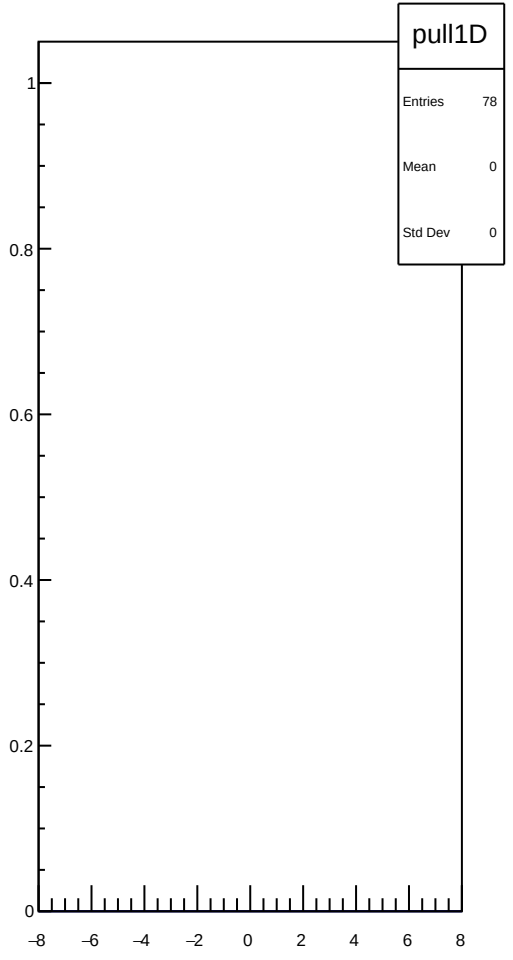

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

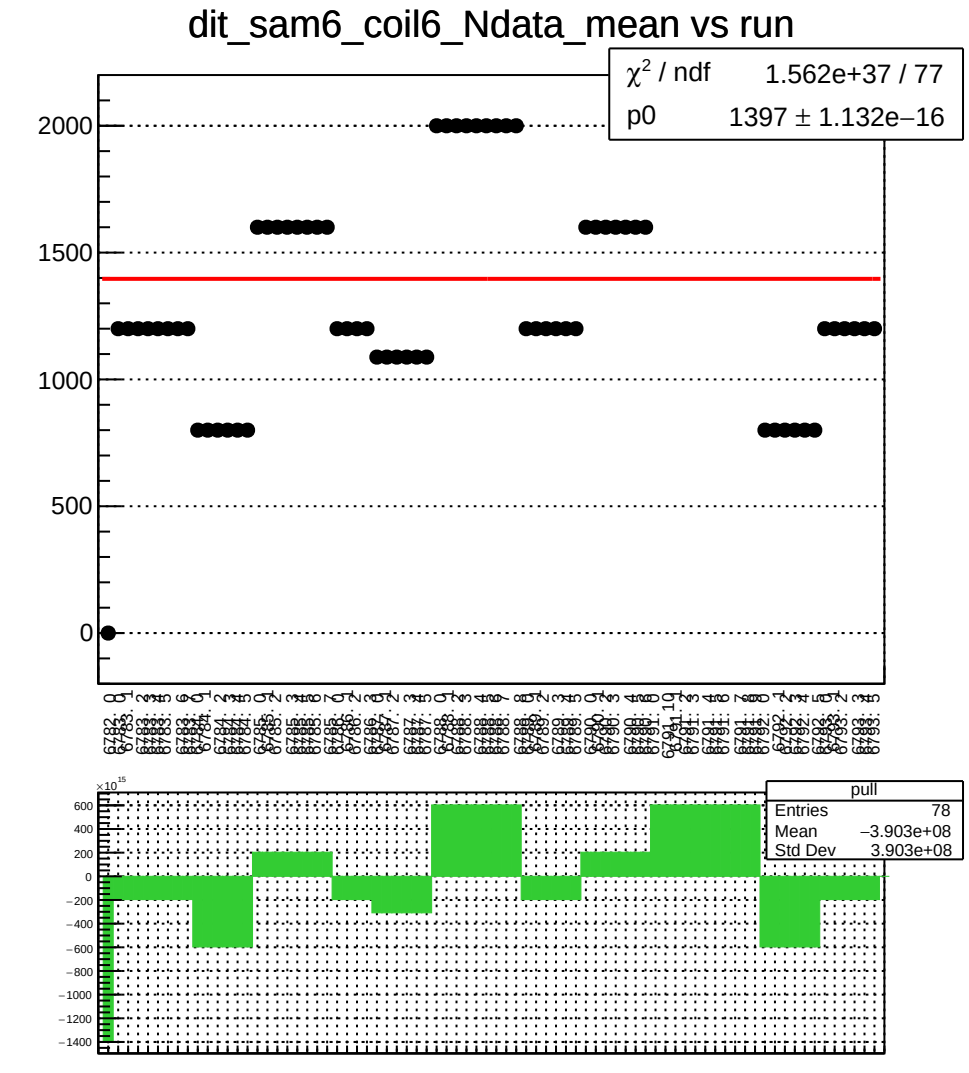

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

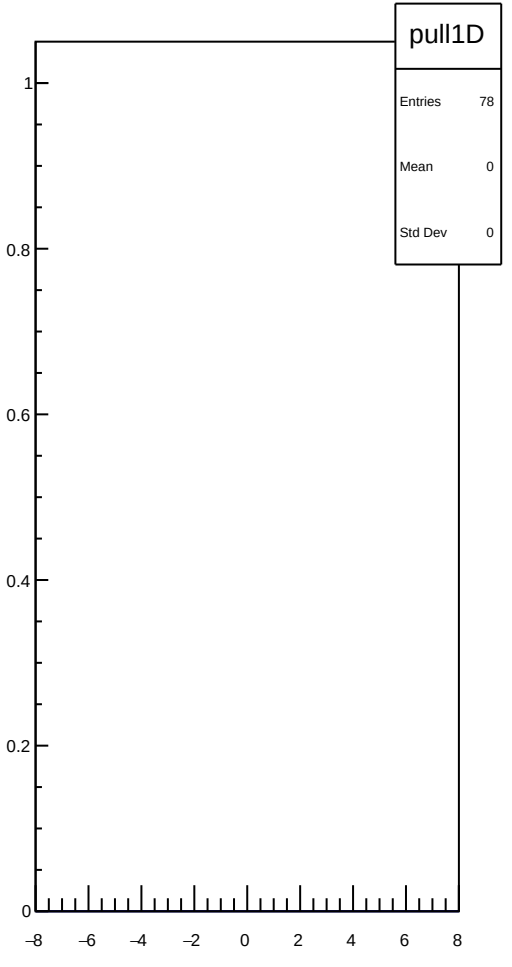

dit_sam6_coil6_mean vs run
χ² / ndf 4.182e+36 / 77
p0 –1815 ± 1.132e–16
0
–500
–1000
–1500
–2000
pull
Entries 78
Mean –3.579e+10
Std Dev 3.579e+10
×10¹⁵
1800
1600
1400
1200
1000
800
600
400
200
0
–200

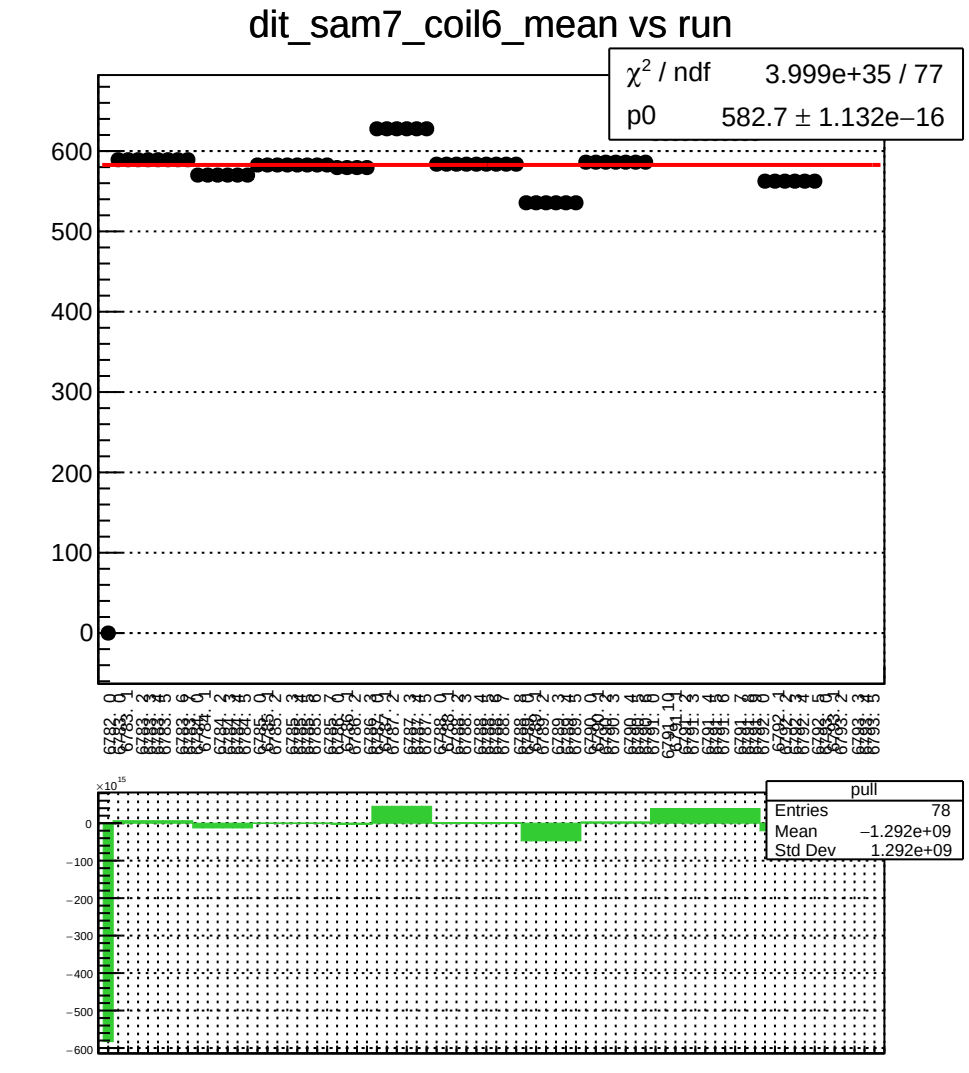

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

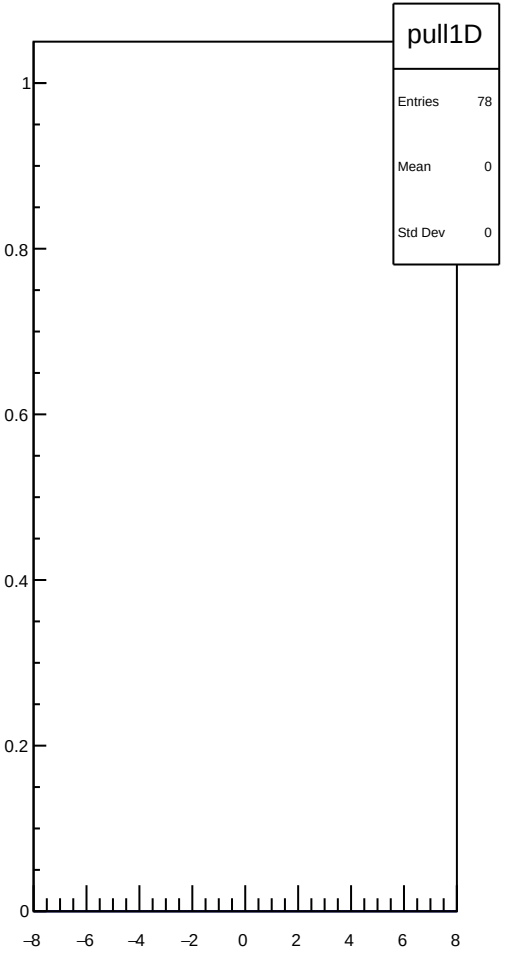

dit_sam6_coil6_err_mean vs run
χ² / ndf 2.407e+34 / 77
p0 87.23 ± 1.132e−16
pull
Entries 78
Mean 9.184e+08
Std Dev 9.184e+08

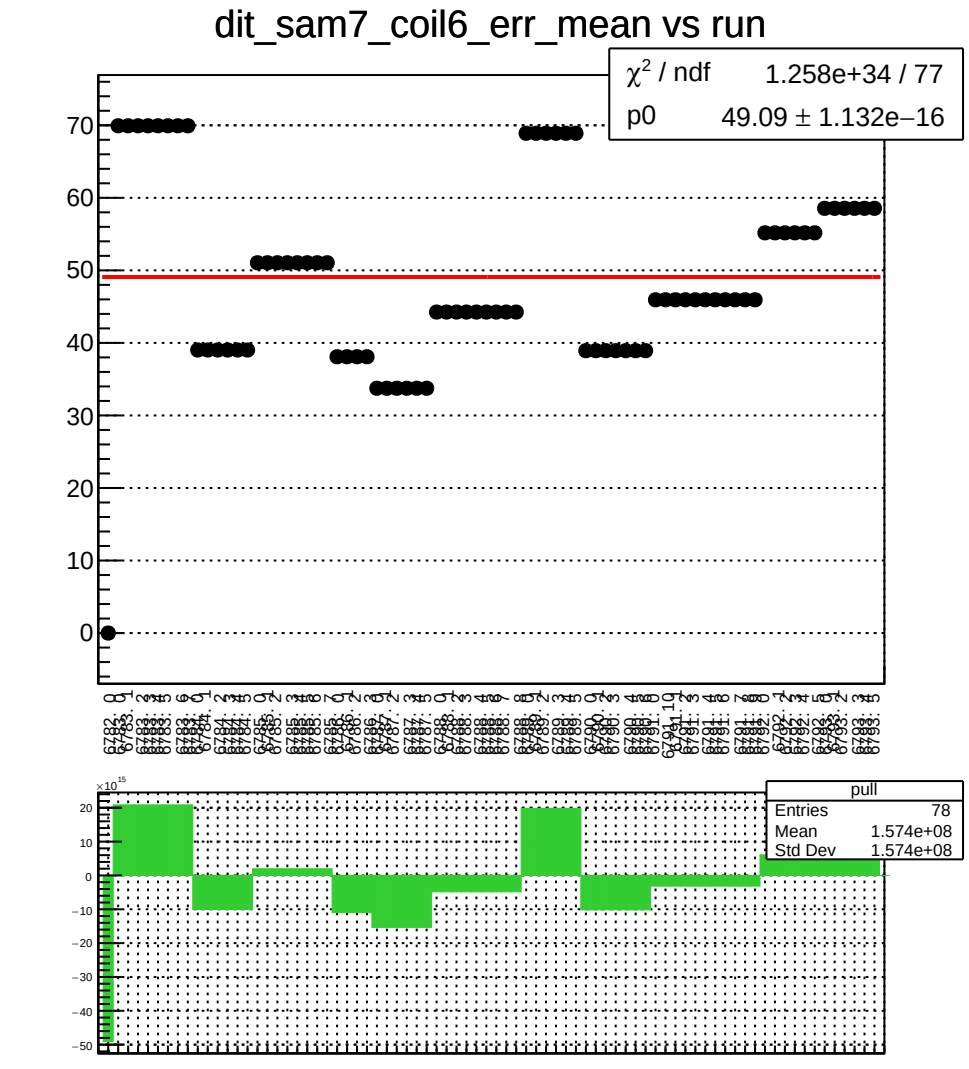

pull1D
Entries 78
Mean 0
Std Dev 0

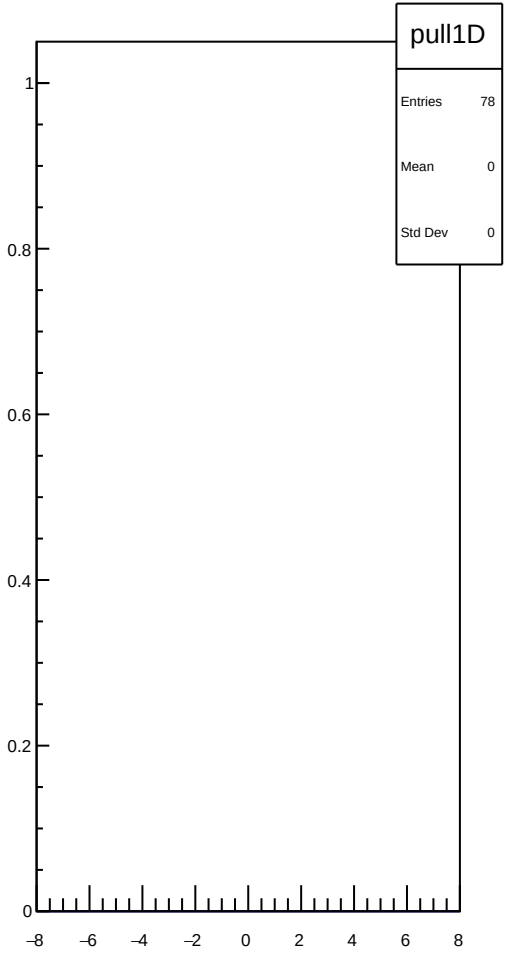

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

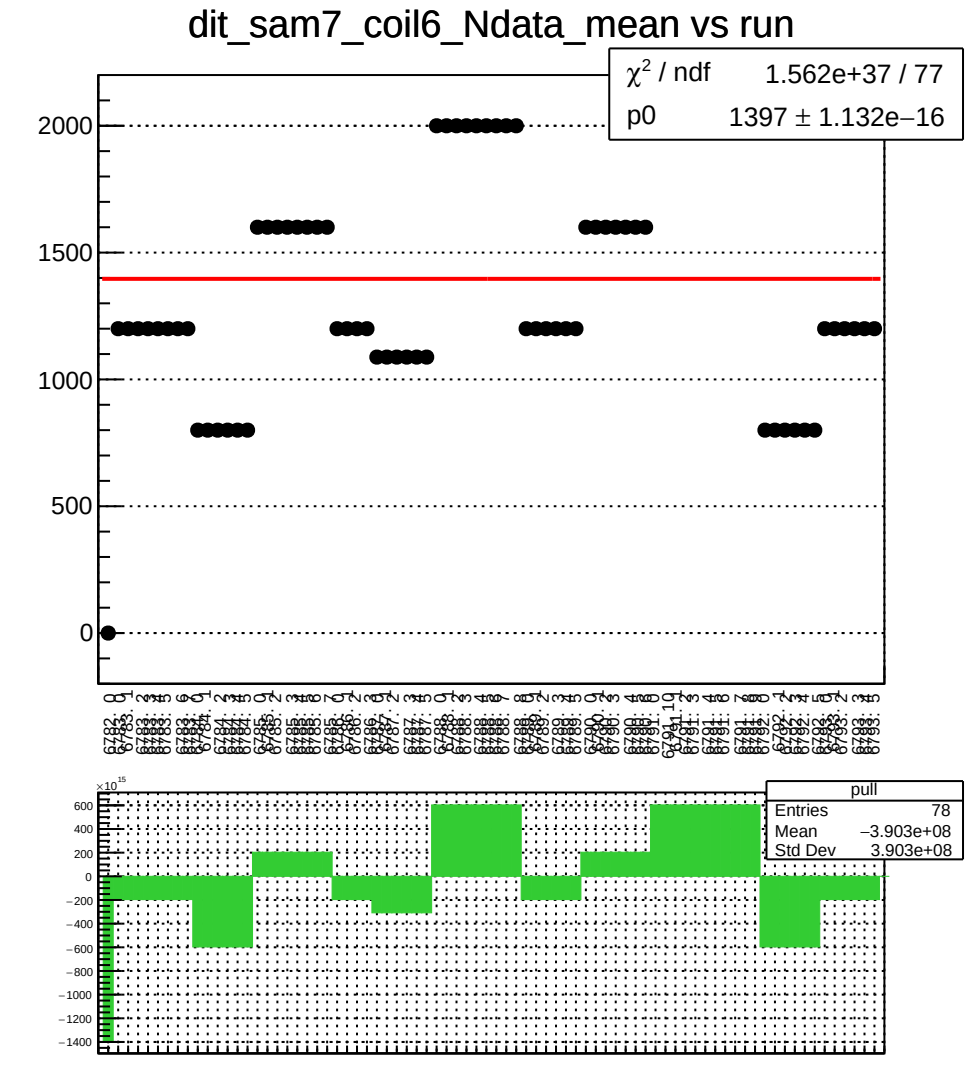

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

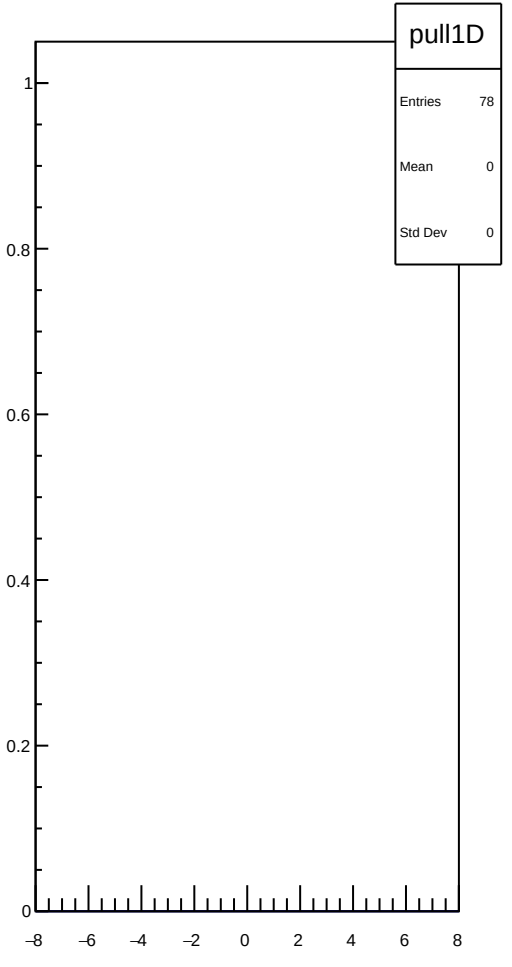

dit_sam7_coil6_mean vs run
χ² / ndf 3.999e+35 / 77
p0 582.7 ± 1.132e−16
pull
Entries 78
Mean −1.292e+09
Std Dev 1.292e+09

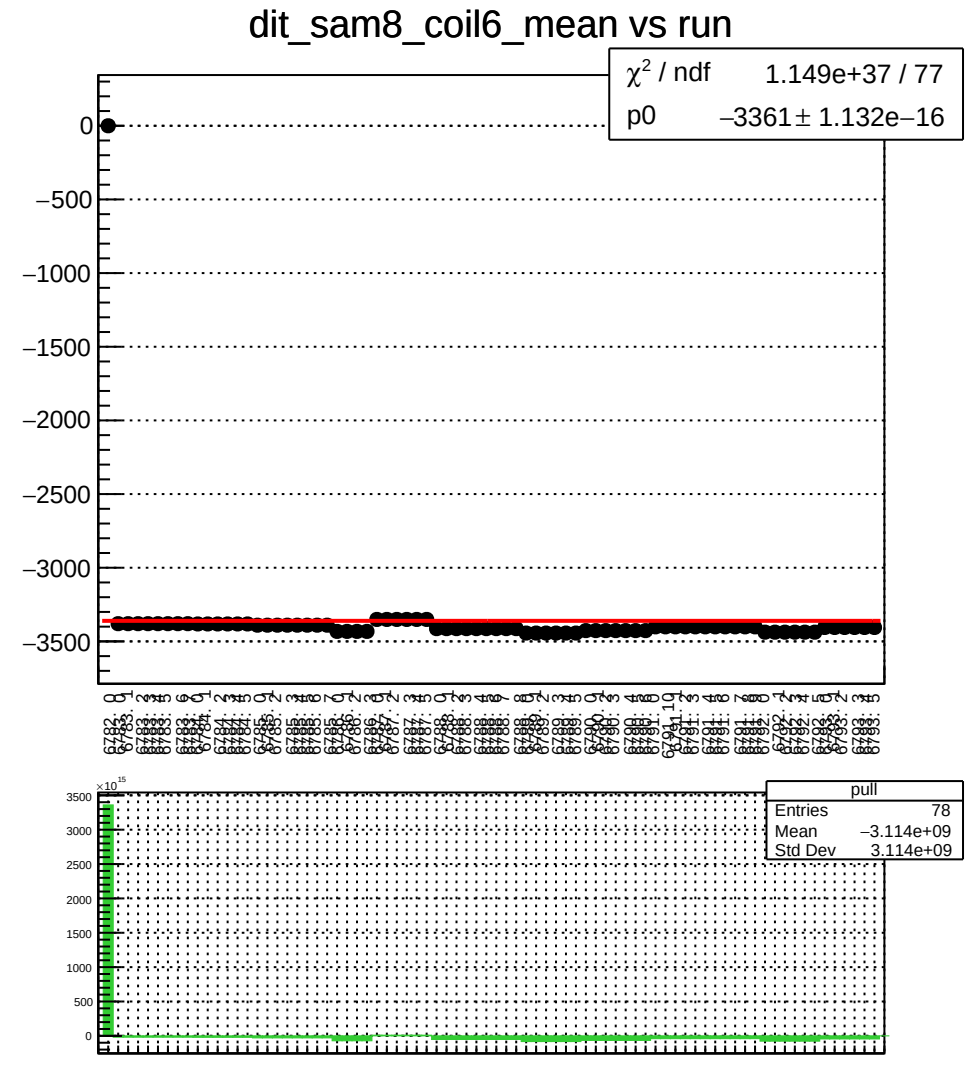

pull1D
Entries 78
Mean 0
Std Dev 0

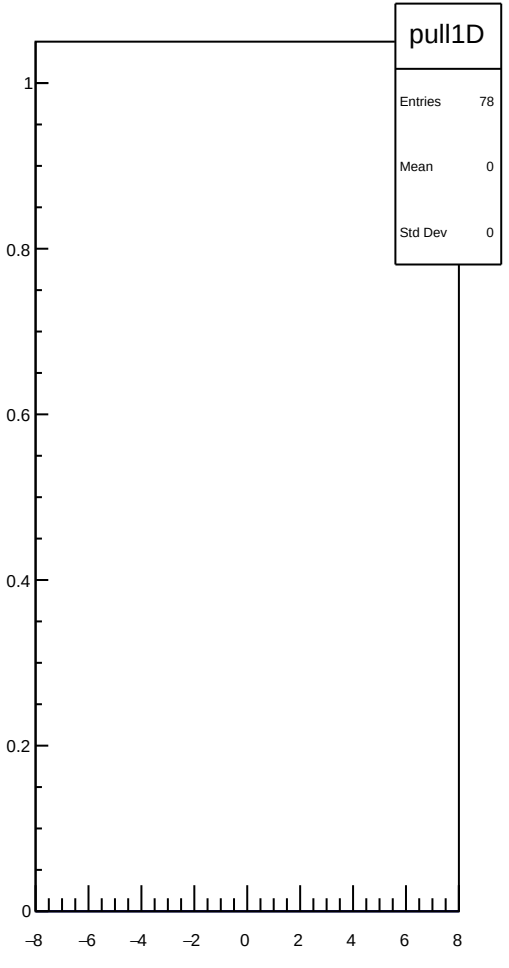

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.258e+34 / 77
p0 49.09 ± 1.132e−16
pull
Entries 78
Mean 1.574e+08
Std Dev 1.574e+08

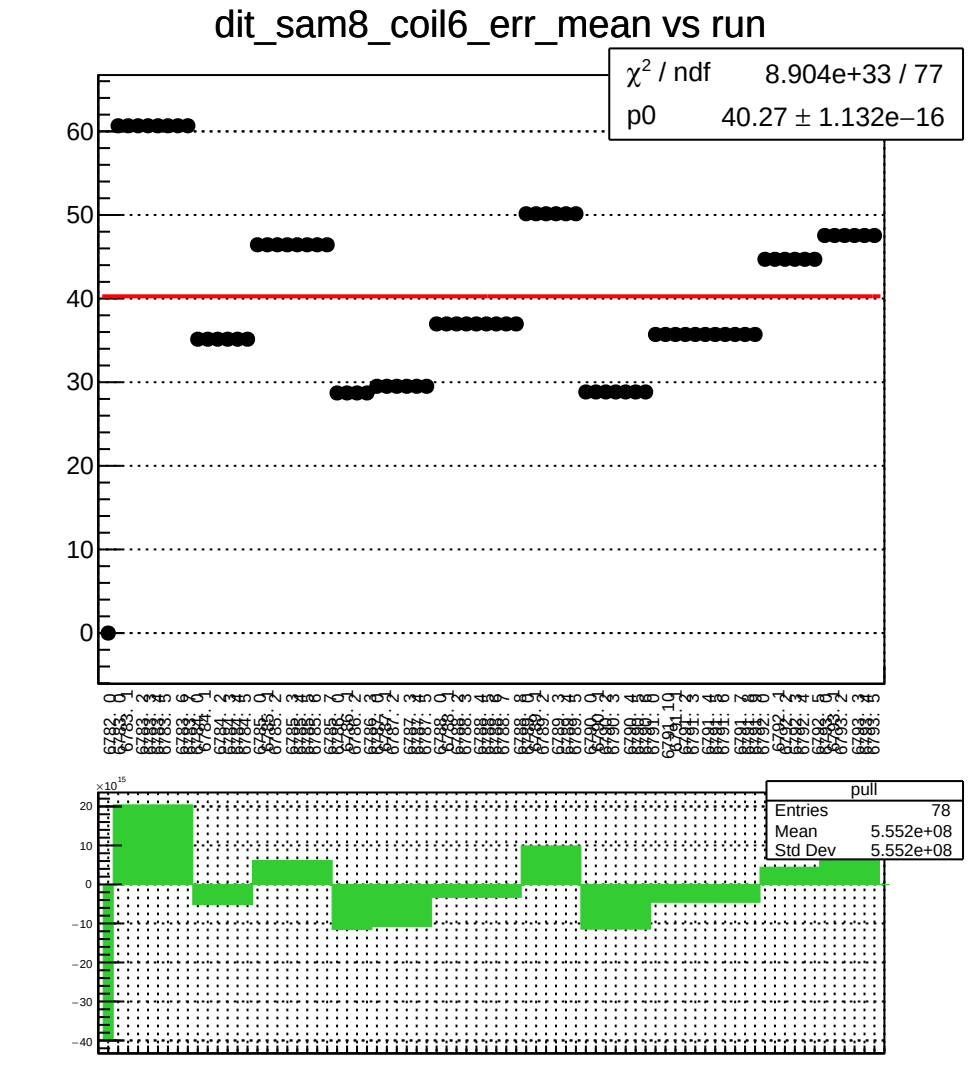

pull1D
Entries 78
Mean 0
Std Dev 0

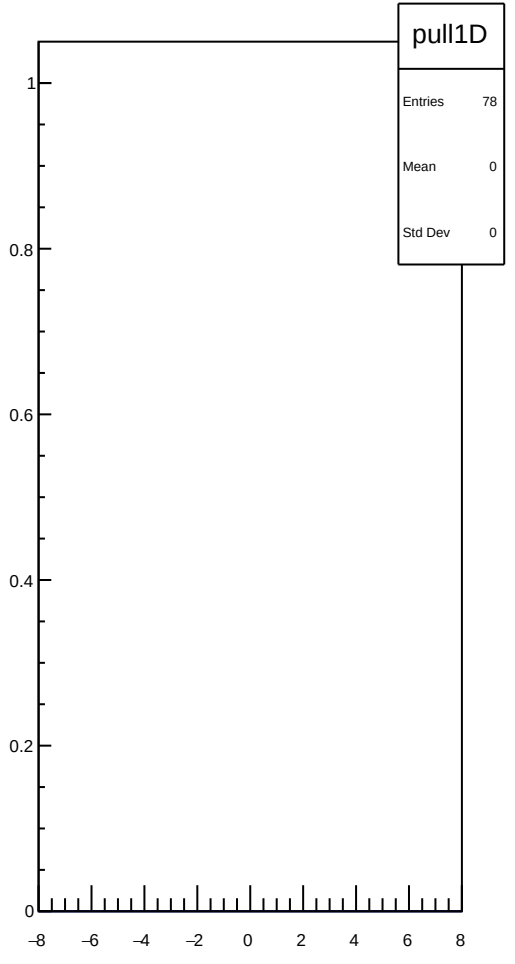

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

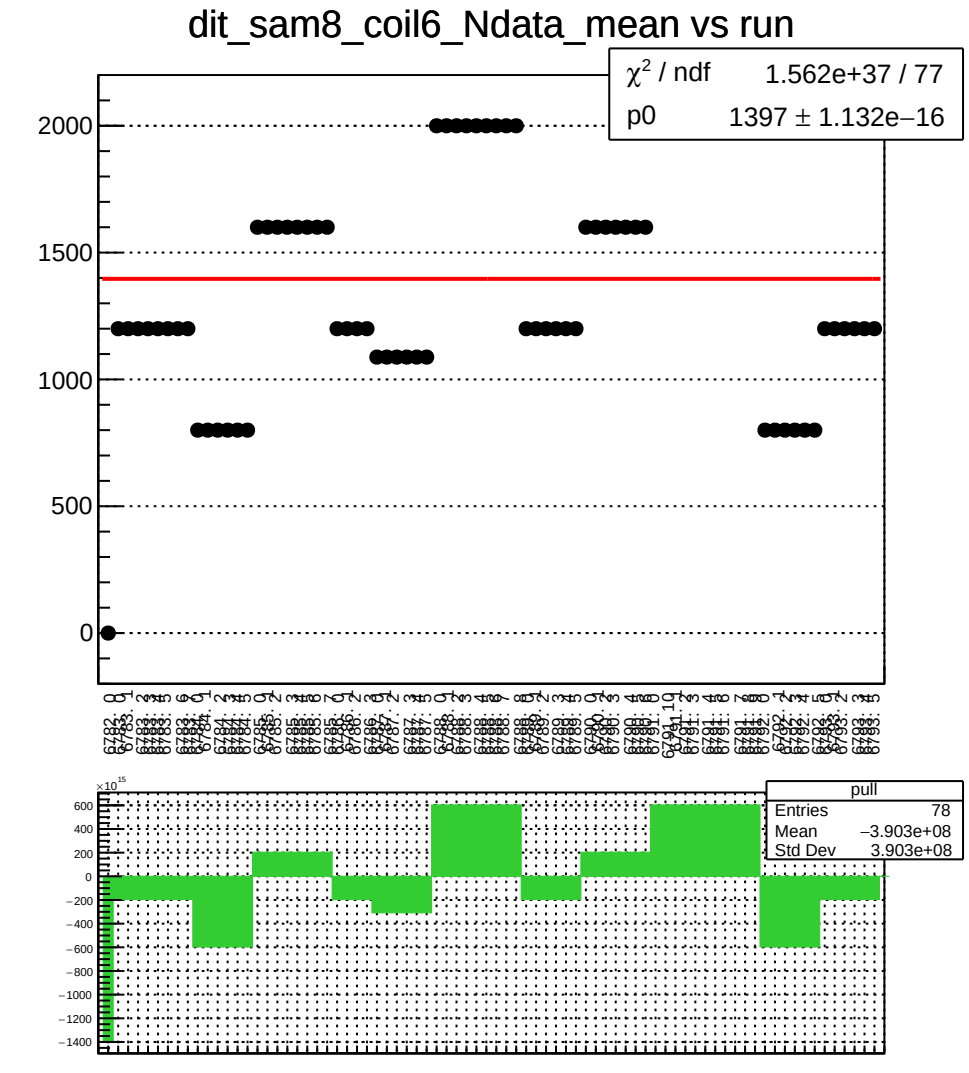

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

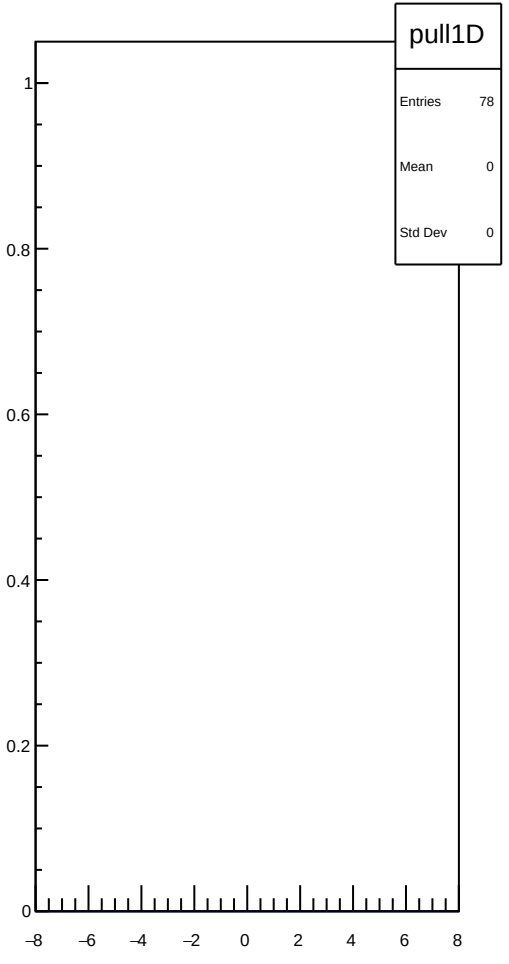

dit_sam8_coil6_mean vs run
χ² / ndf 1.149e+37 / 77
p0 −3361 ± 1.132e−16
pull
Entries 78
Mean −3.114e+09
Std Dev 3.114e+09

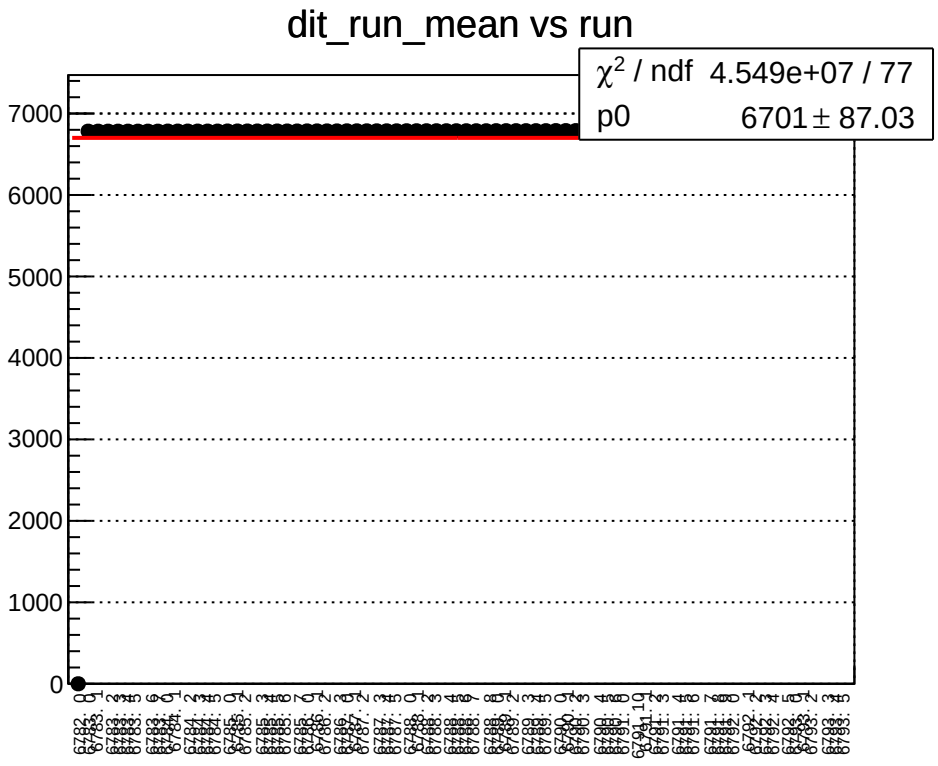

pull1D
Entries 78
Mean 0
Std Dev 0

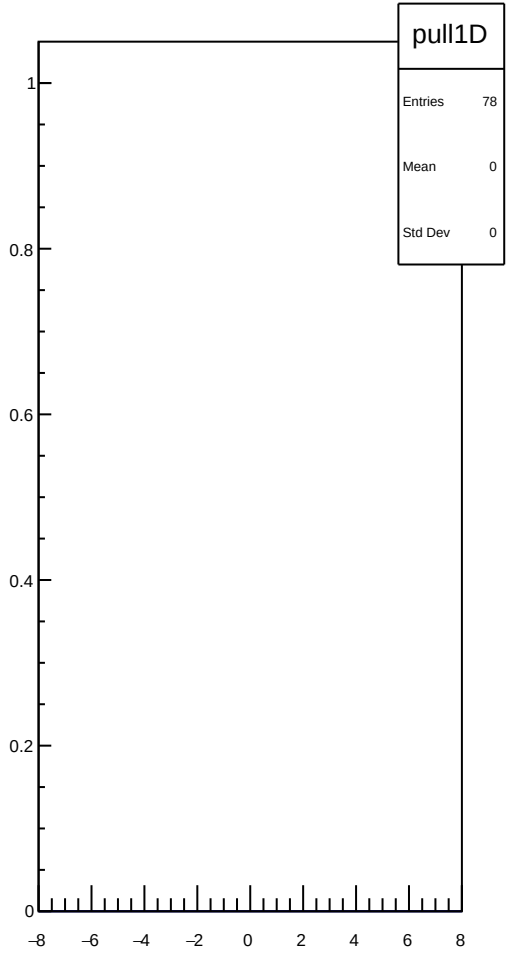

dit_sam8_coil6_err_mean vs run
χ² / ndf 8.904e+33 / 77
p0 40.27 ± 1.132e−16
pull
Entries 78
Mean 5.552e+08
Std Dev 5.552e+08

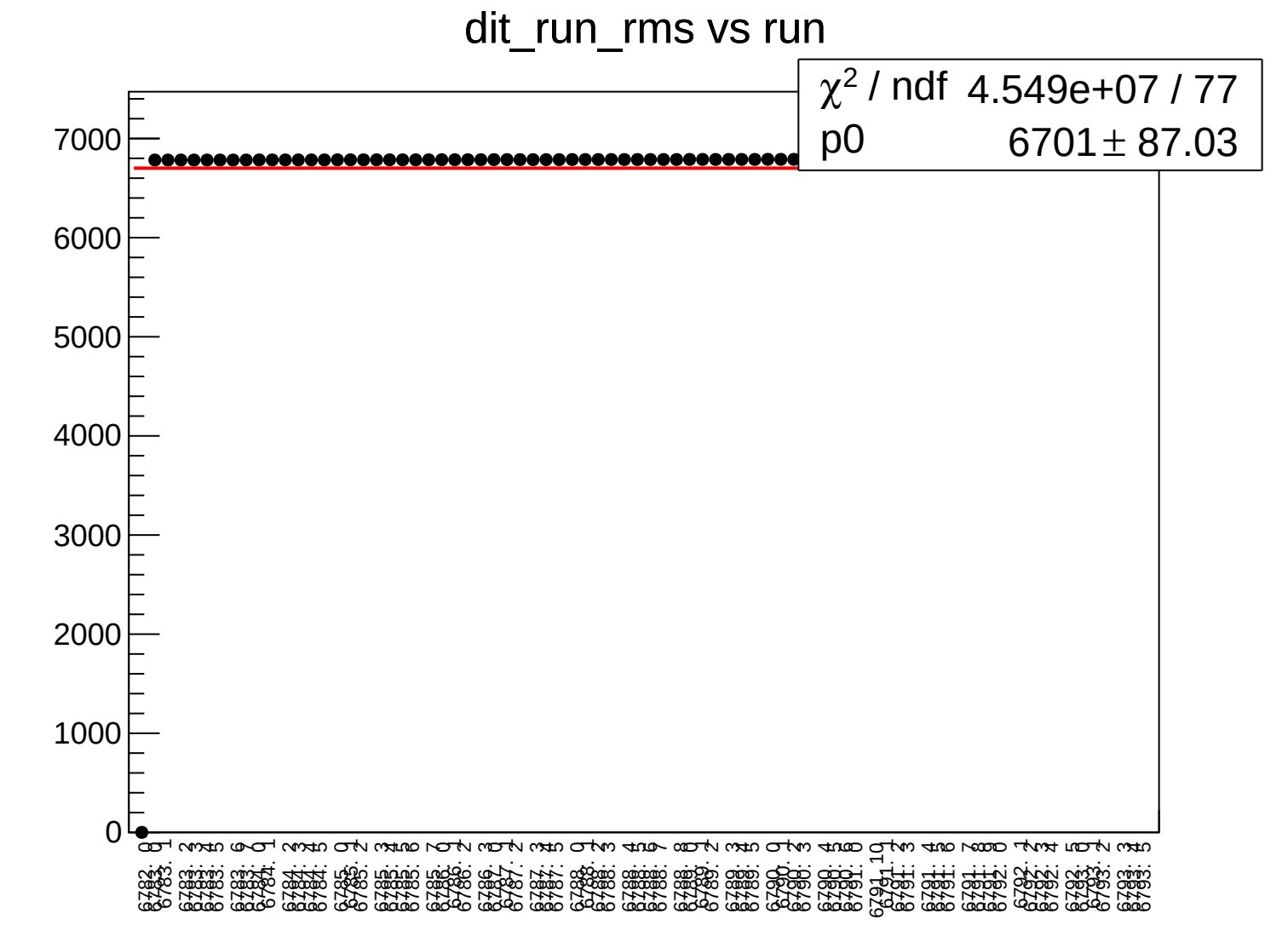

pull1D
Entries 78
Mean 0
Std Dev 0

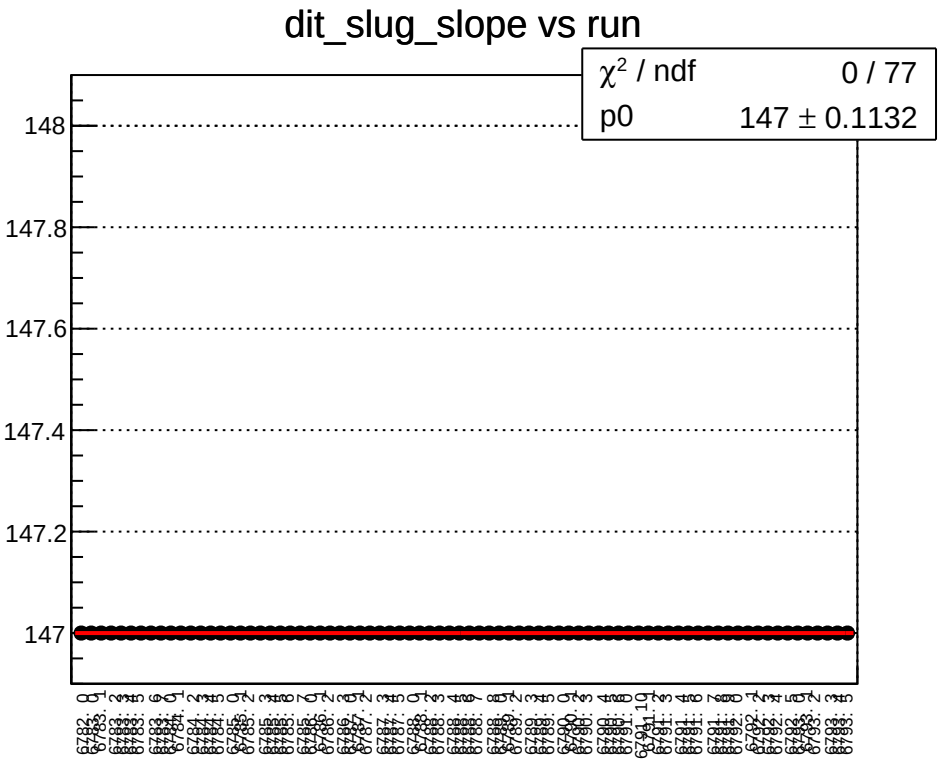

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.562e+37 / 77
p0 1397 ± 1.132e−16
2000
1500
1000
500
0
pull
Entries 78
Mean −3.903e+08
Std Dev 3.903e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

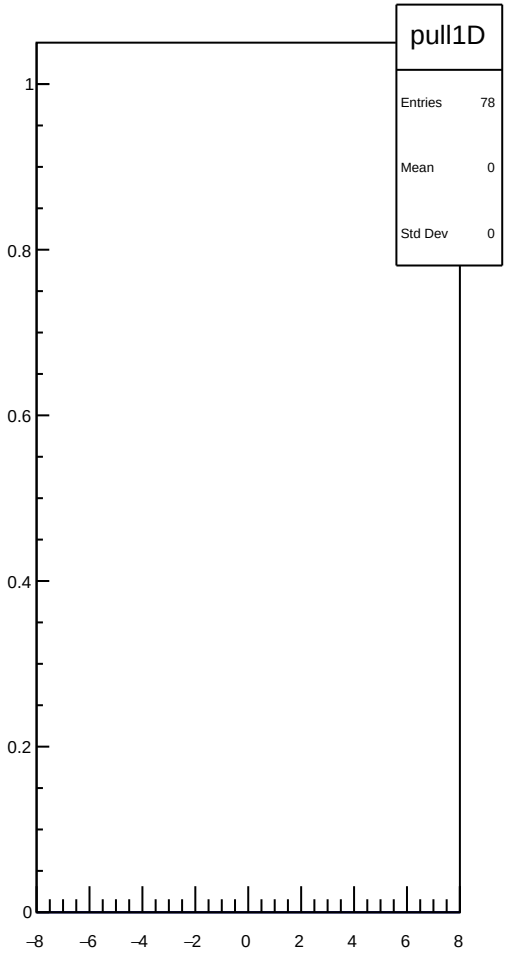

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

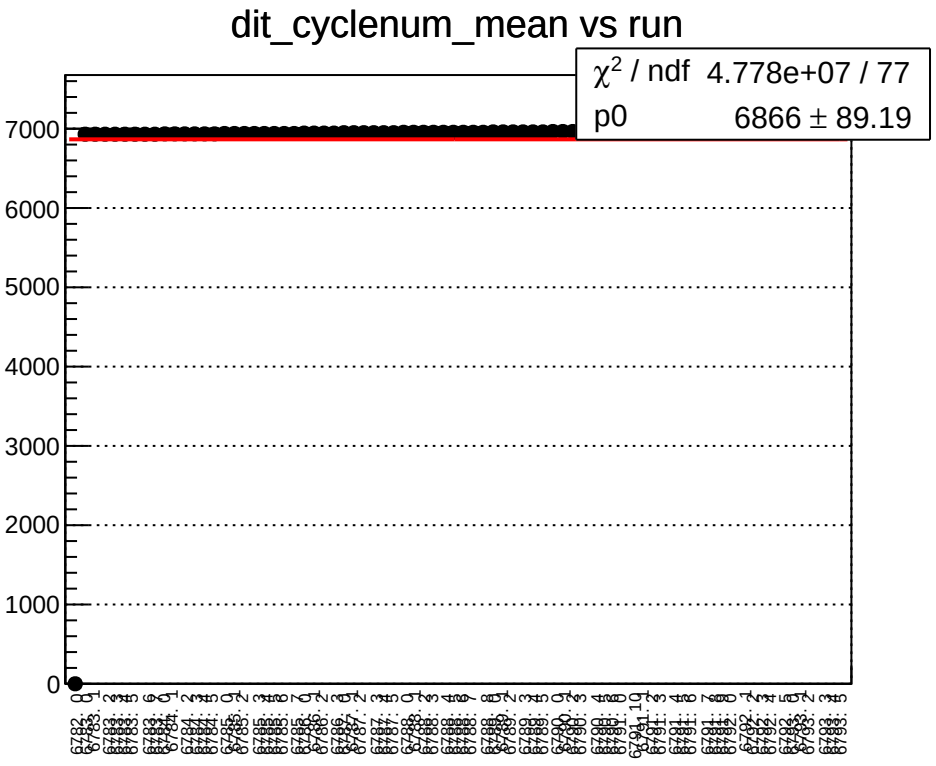

dit_run_mean vs run
χ² / ndf 4.549e+07 / 77
p0 6701 ± 87.03
7000
6000
5000
4000
3000
2000
1000
0

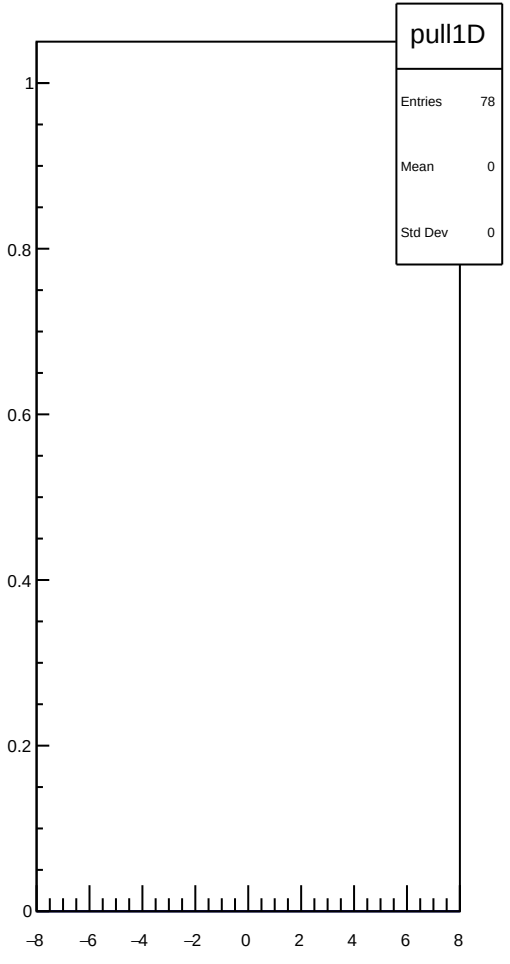

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

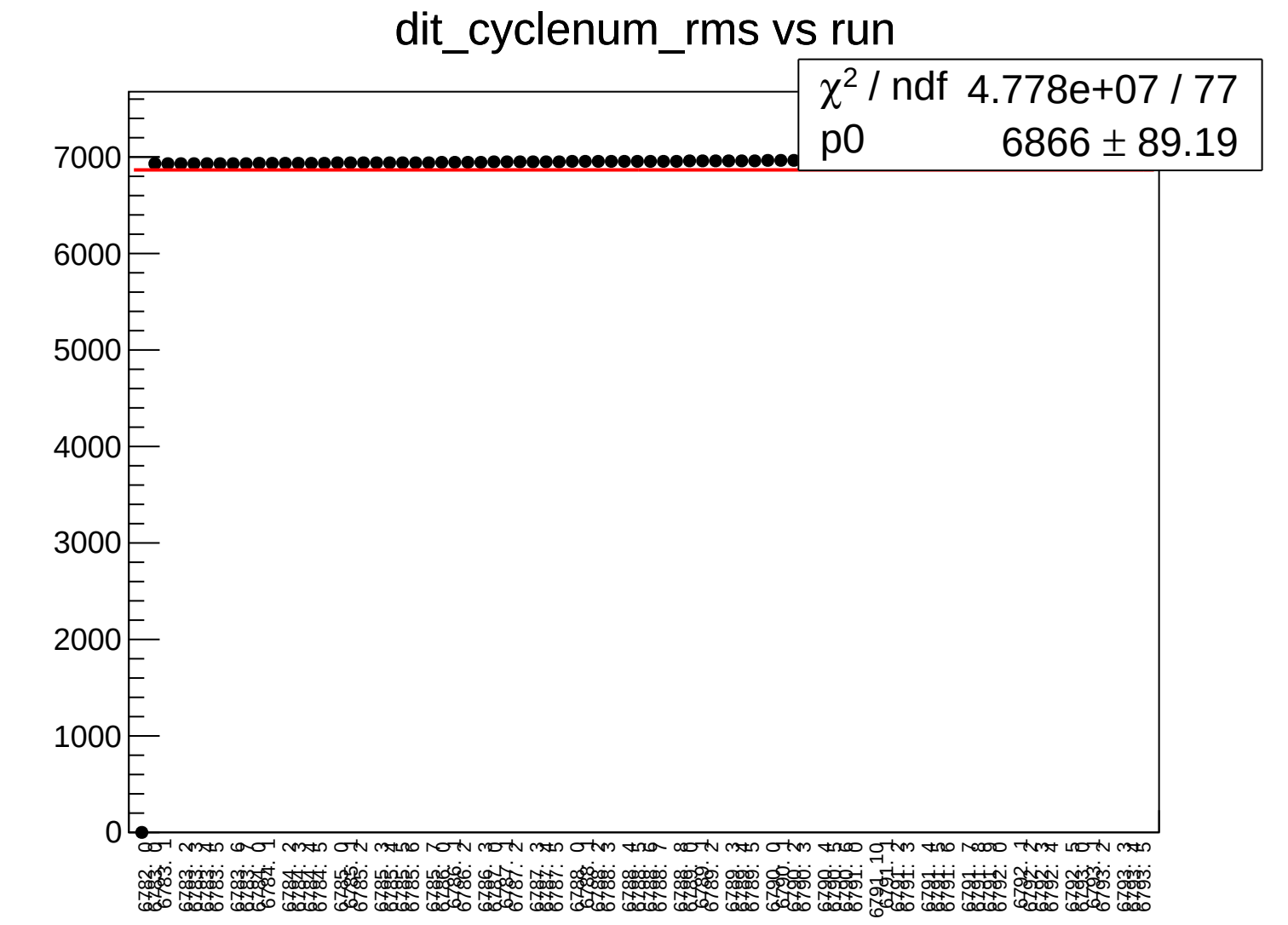

dit_run_rms vs run
χ^2 / ndf 4.549e+07 / 77
p0 6701 ± 87.03
7000
6000
5000
4000
3000
2000
1000
0

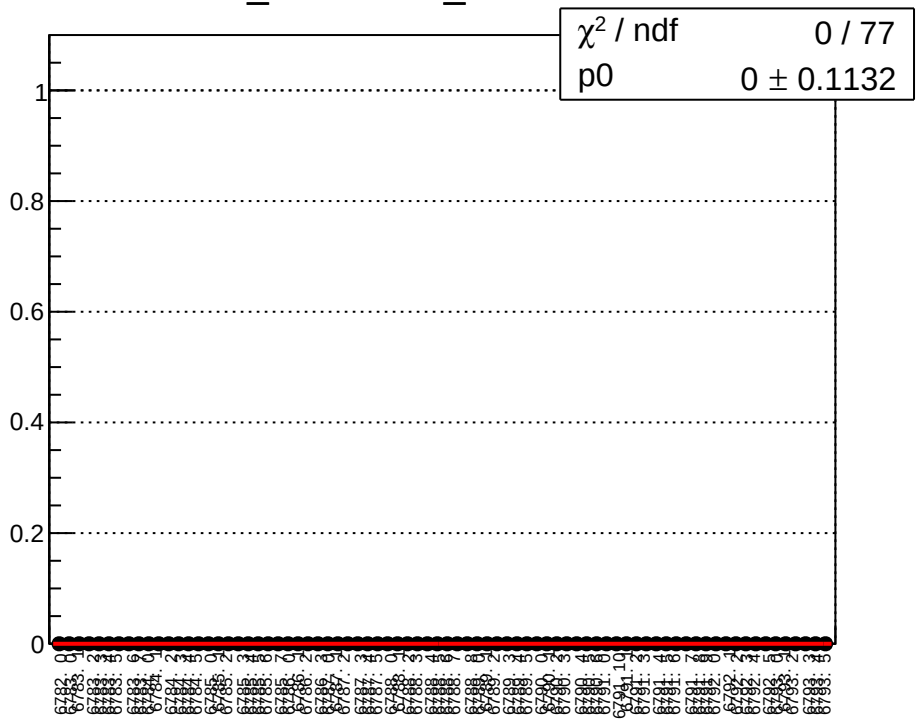

dit_slug_slope vs run
χ^2 / ndf 0 / 77
p0 147 ± 0.1132
148
147.8
147.6
147.4
147.2
147

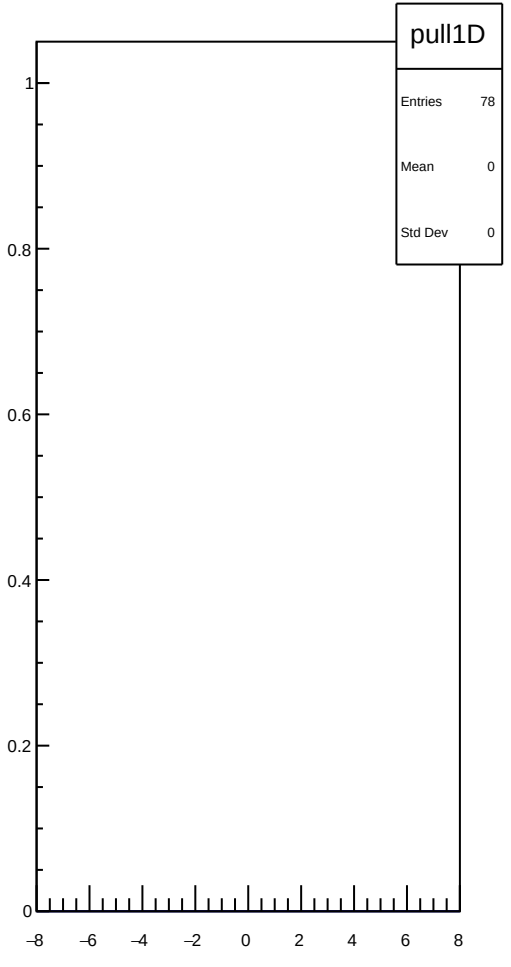

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

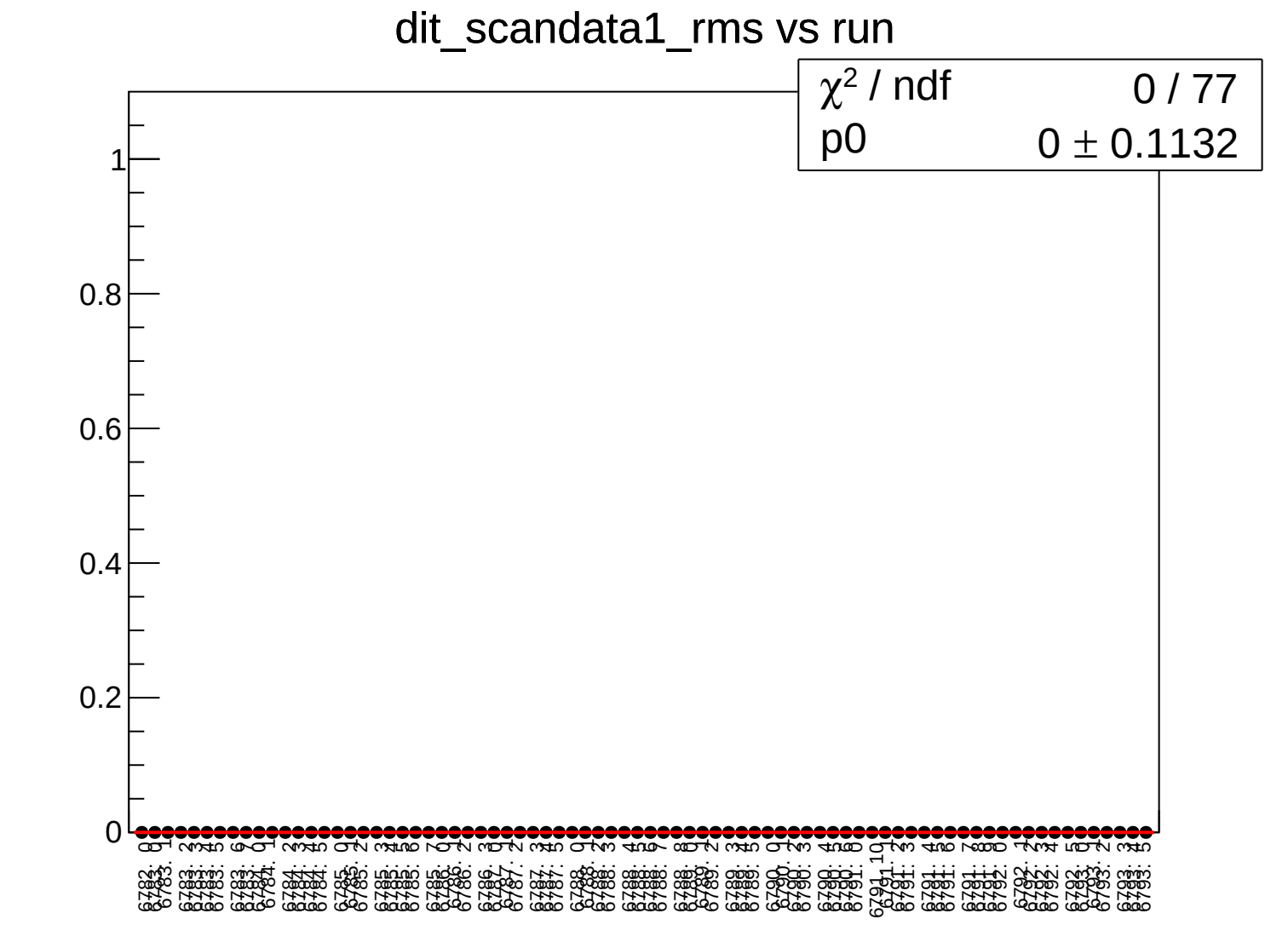

dit_cyclenum_mean vs run
χ² / ndf 4.778e+07 / 77
p0 6866 ± 89.19
7000
6000
5000
4000
3000
2000
1000
0

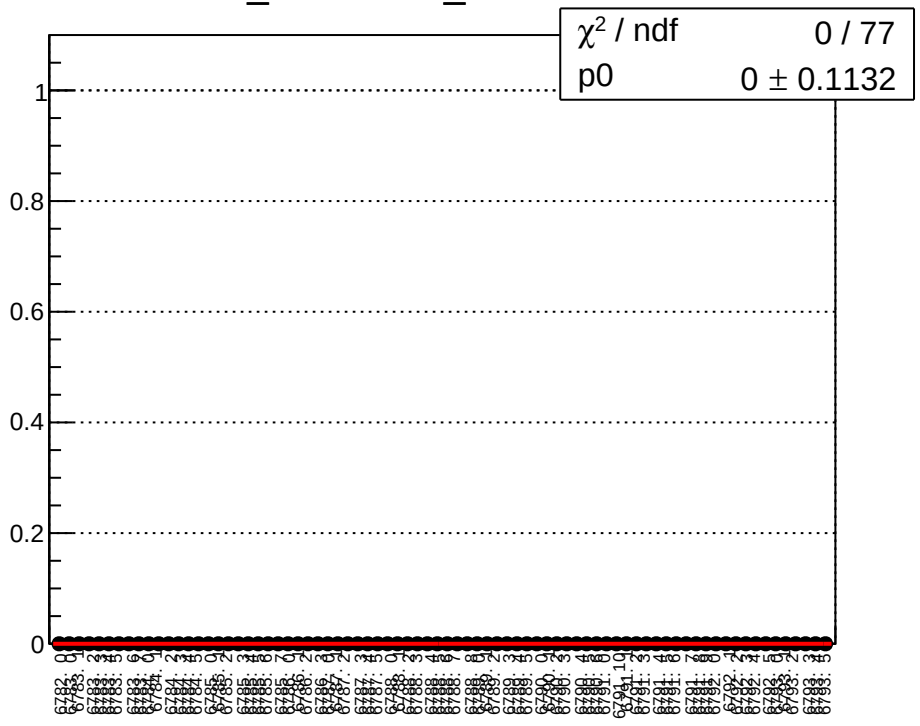

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

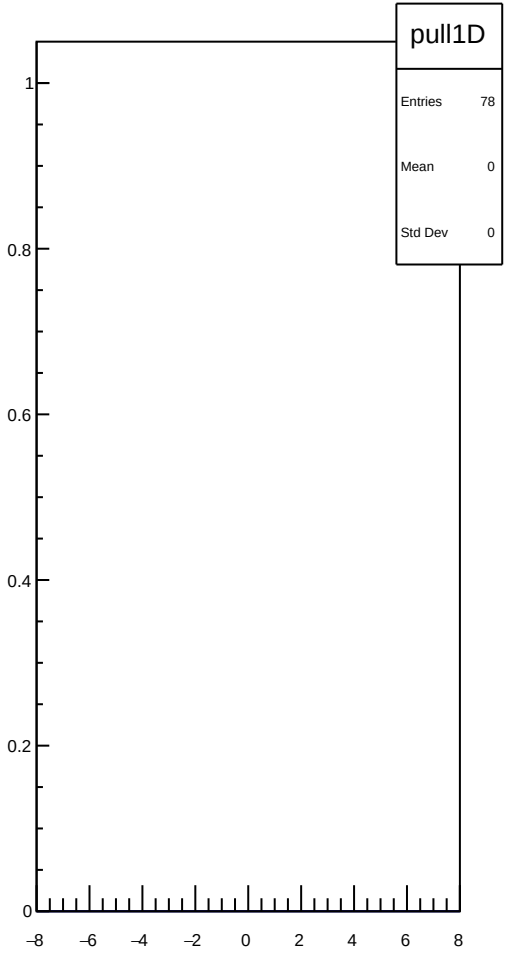

dit_cyclenum_rms vs run
χ² / ndf 4.778e+07 / 77
p0 6866 ± 89.19
7000
6000
5000
4000
3000
2000
1000
0

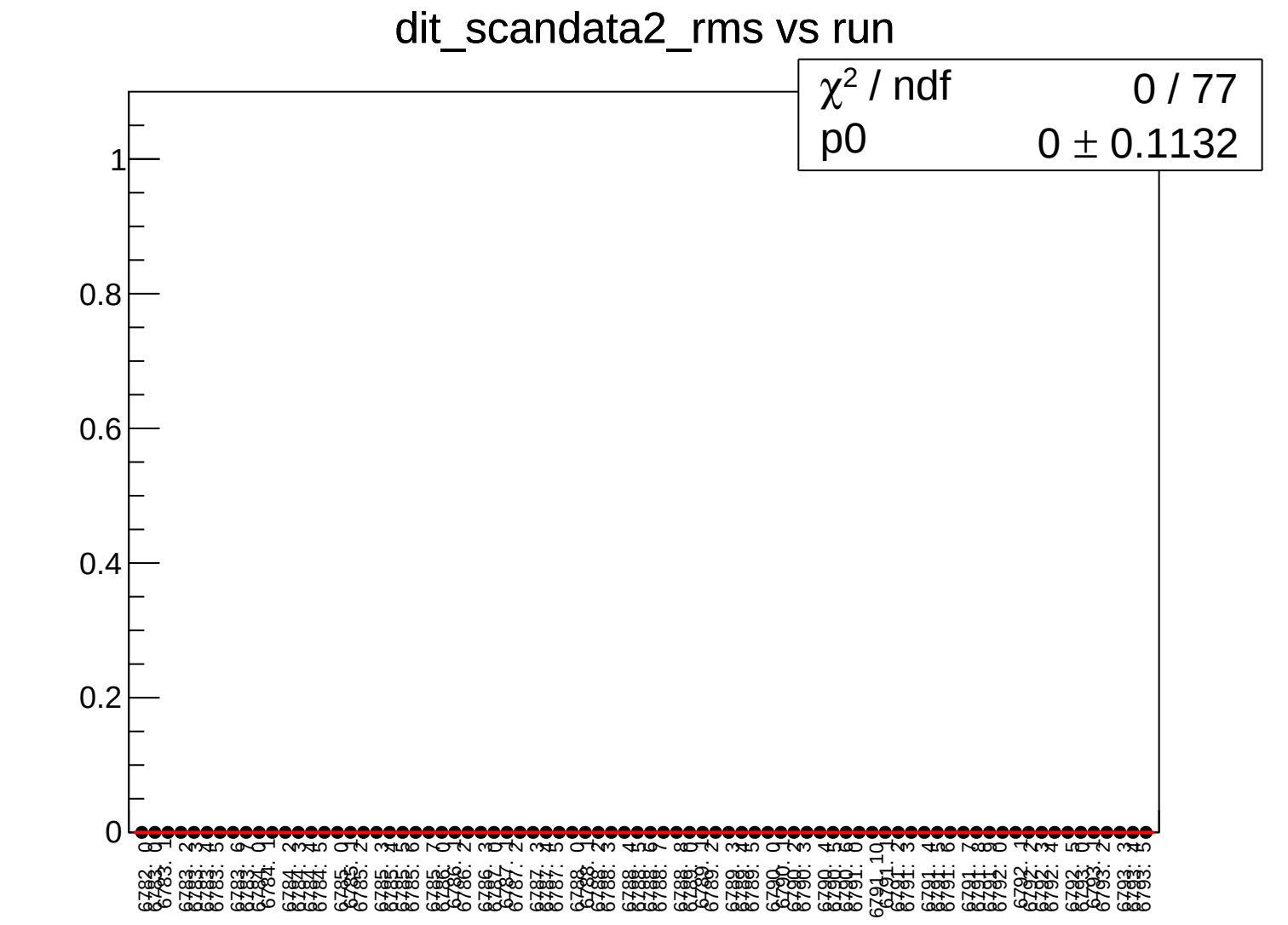

dit_scandata1_mean vs run
χ² / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

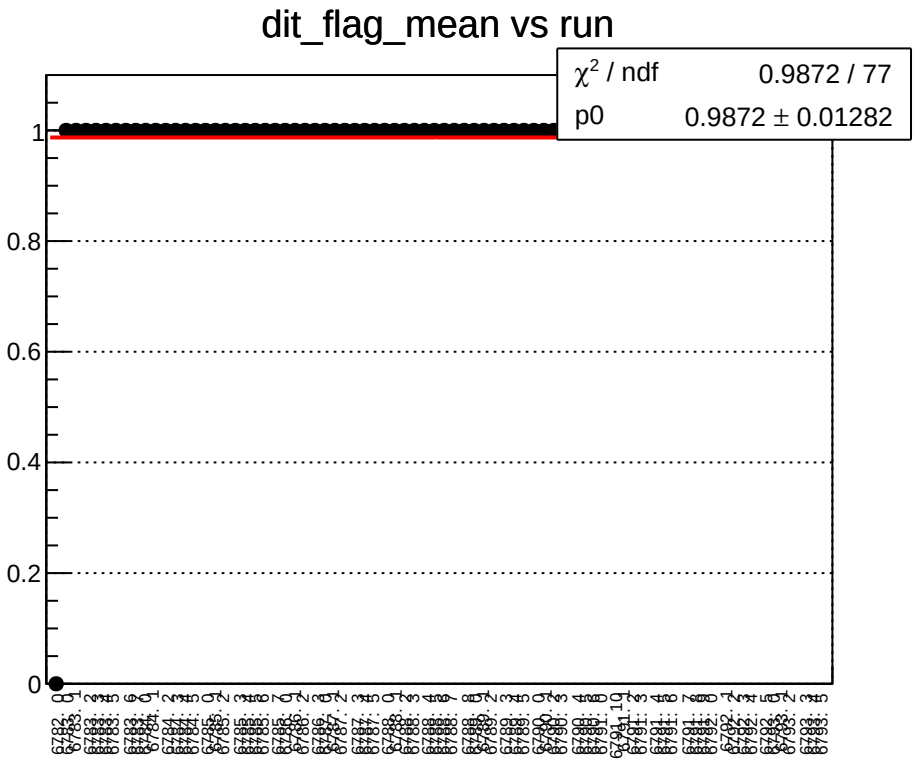

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

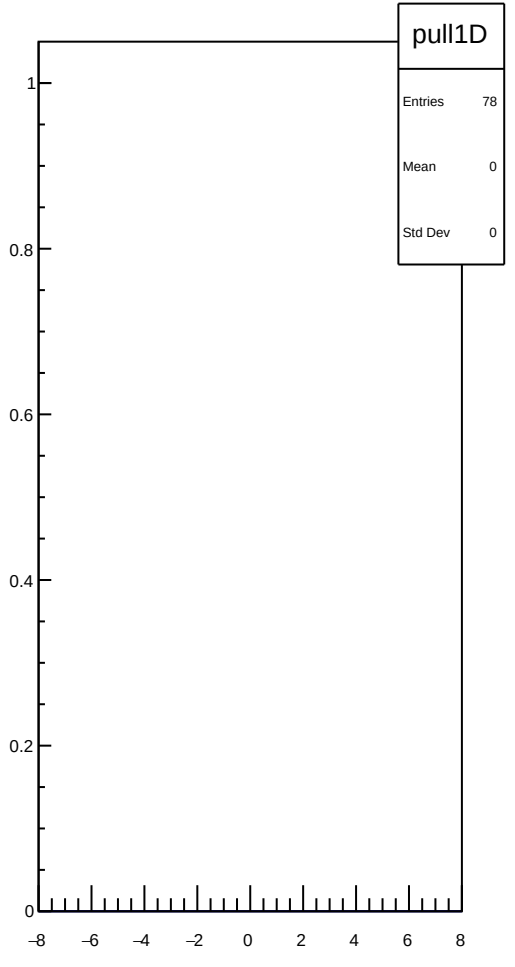

dit_scandata1_rms vs run
χ² / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

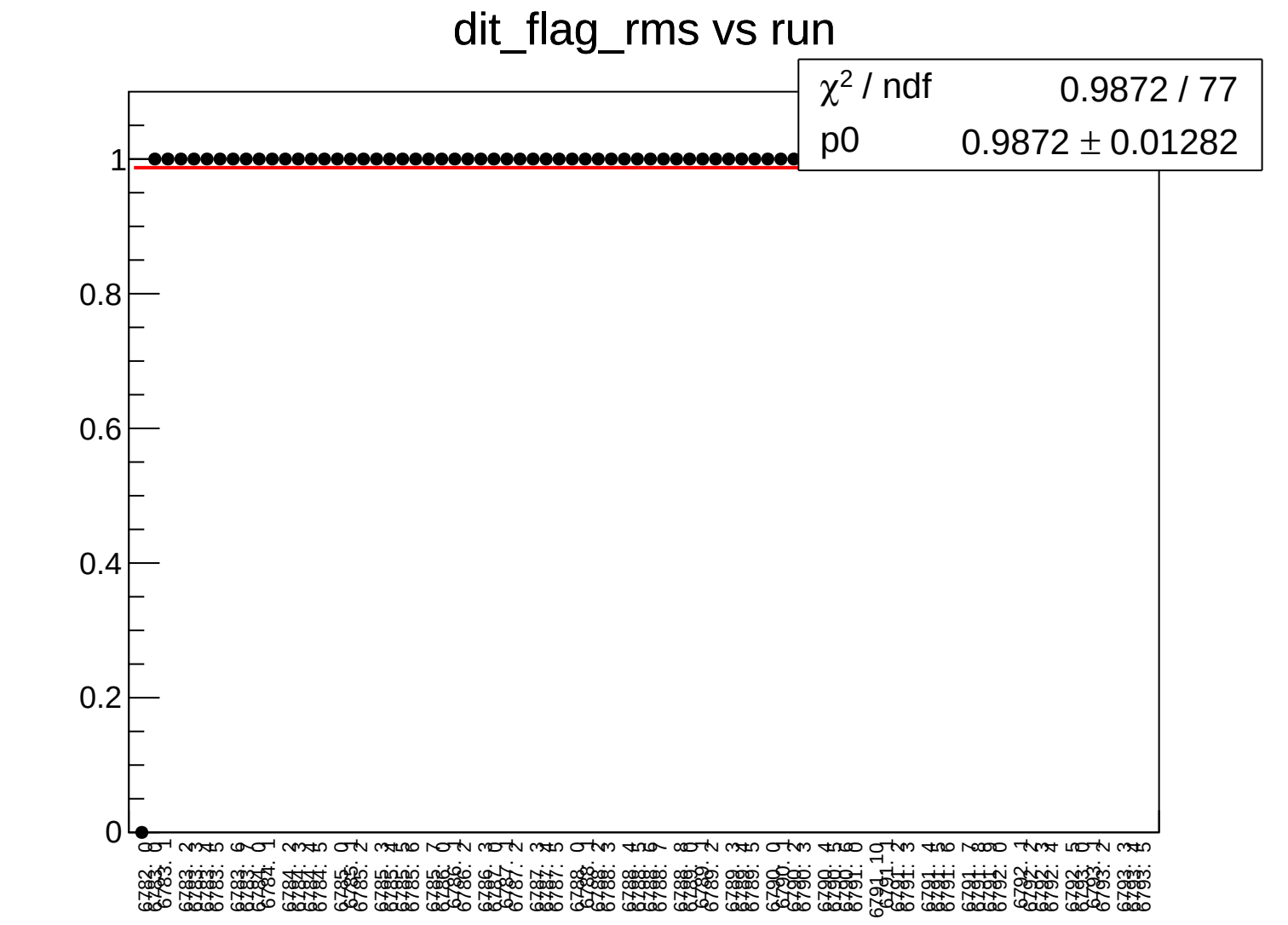

dit_scandata2_mean vs run
χ² / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

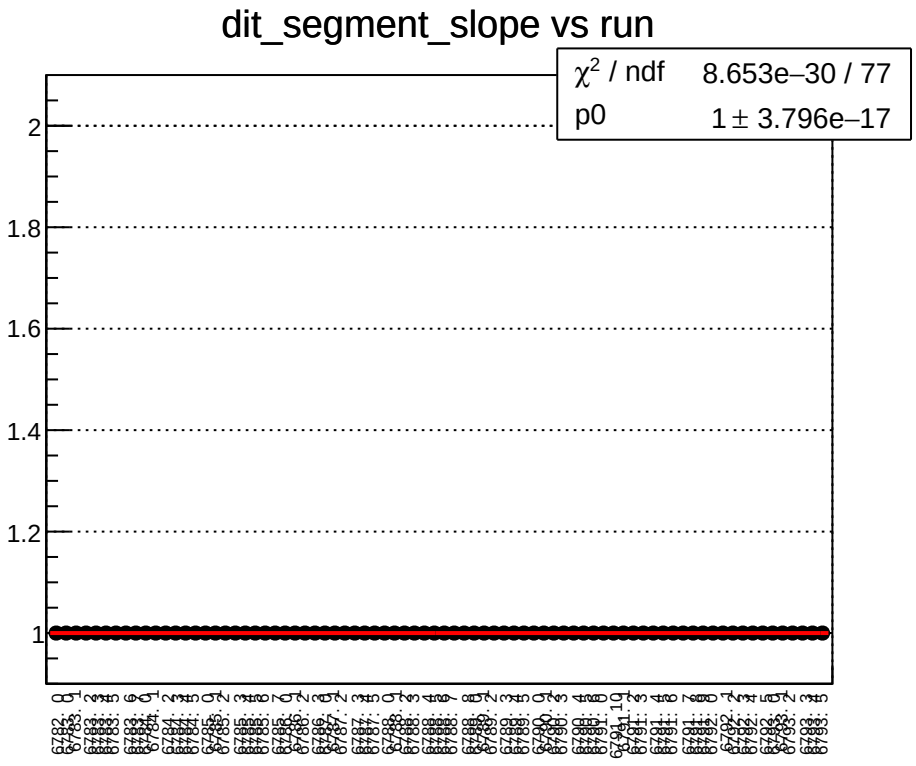

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

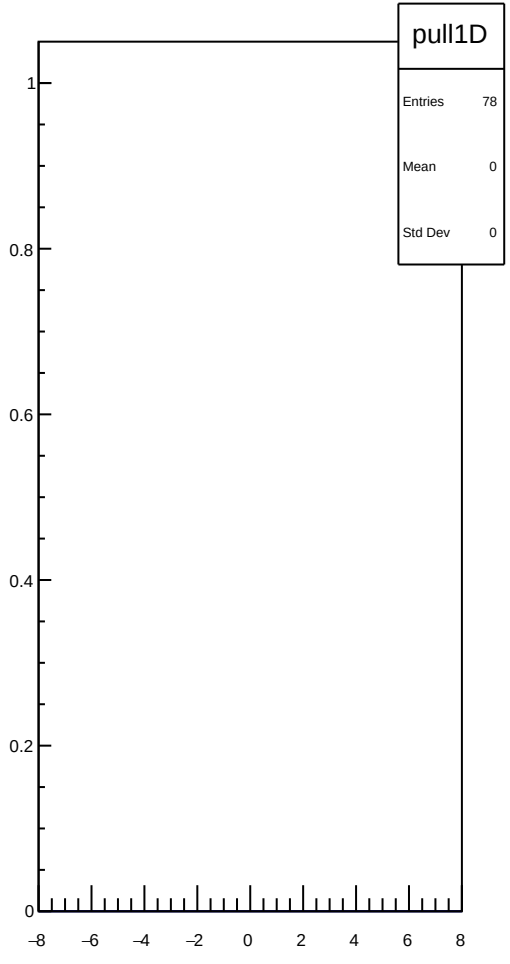

dit_scandata2_rms vs run
χ² / ndf 0 / 77
p0 0 ± 0.1132
1
0.8
0.6
0.4
0.2
0

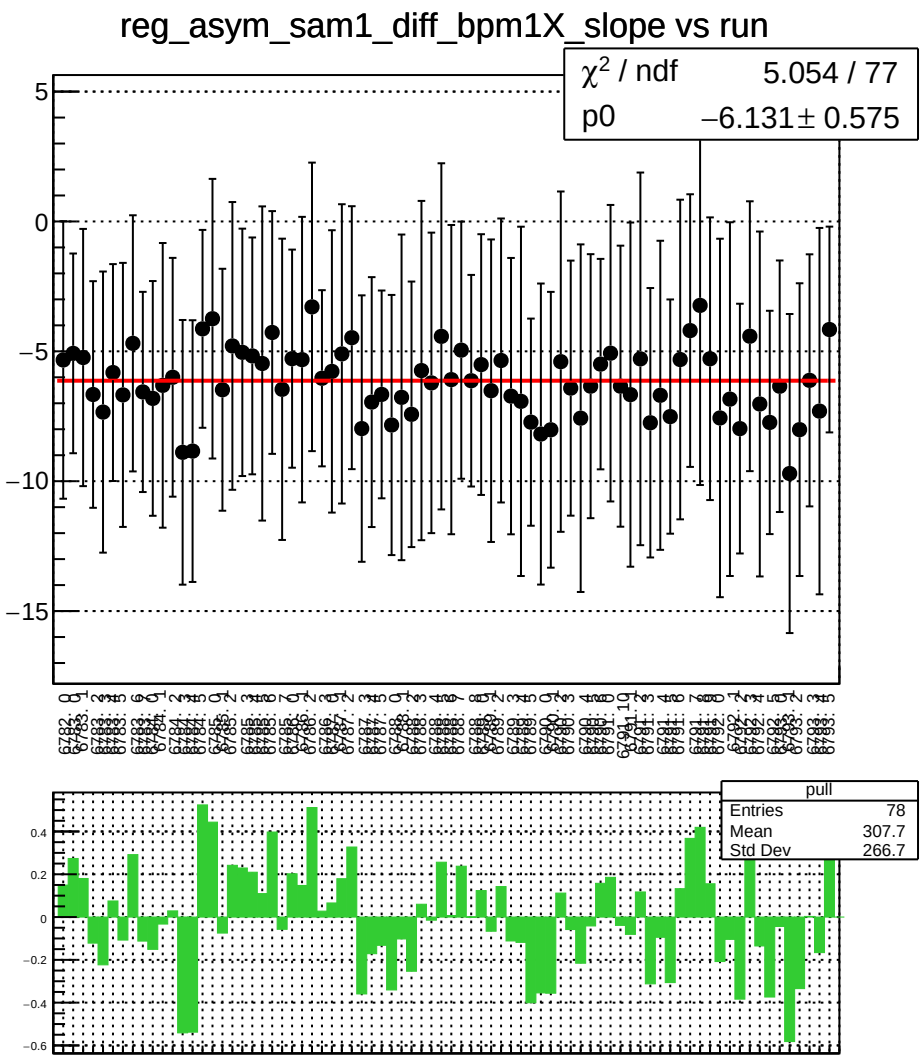

dit_flag_mean vs run
χ² / ndf 0.9872 / 77
p0 0.9872 ± 0.01282
1
0.8
0.6
0.4
0.2
0

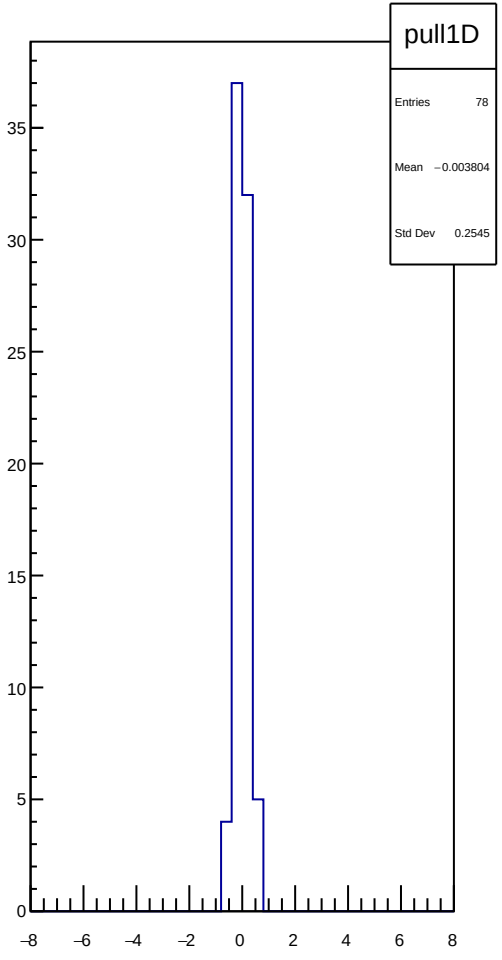

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

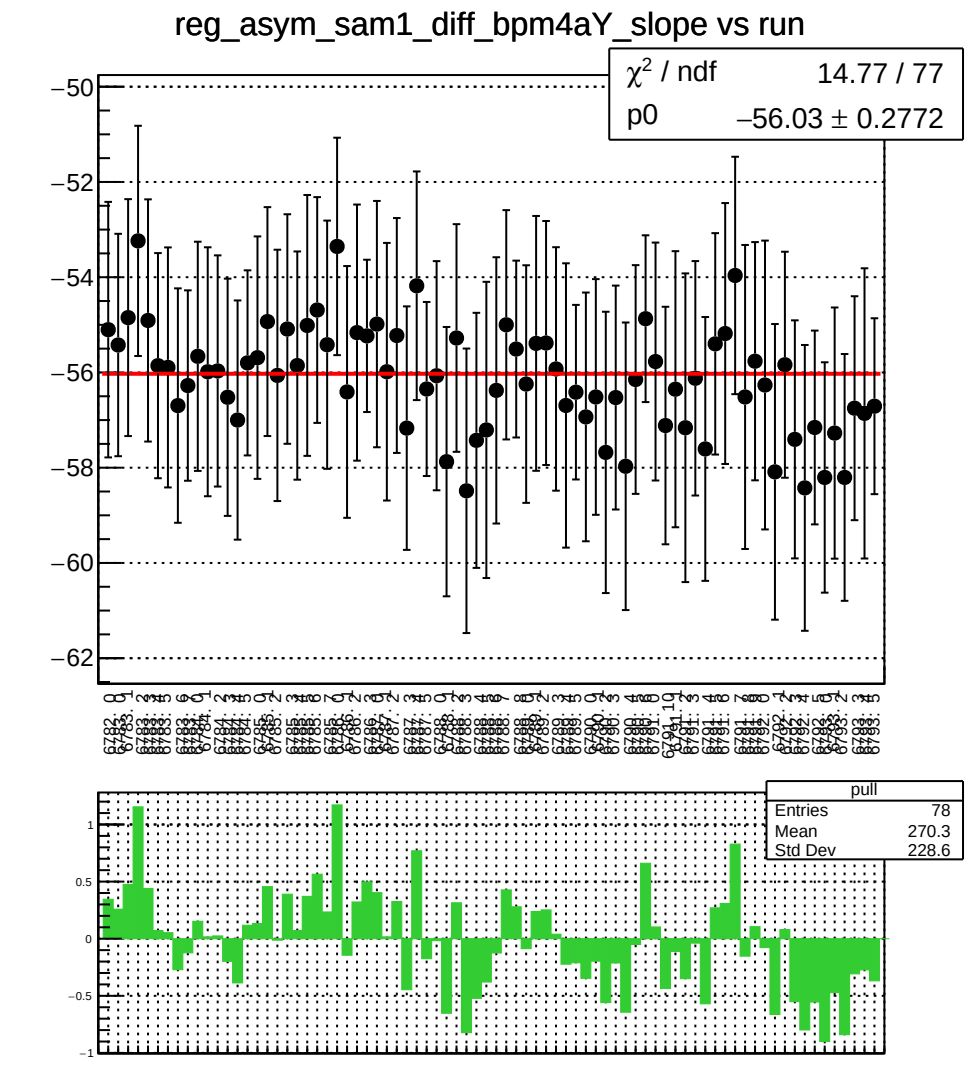

dit_flag_rms vs run
χ^2 / ndf 0.9872 / 77
p0 0.9872 ± 0.01282
1
0.8
0.6
0.4
0.2
0

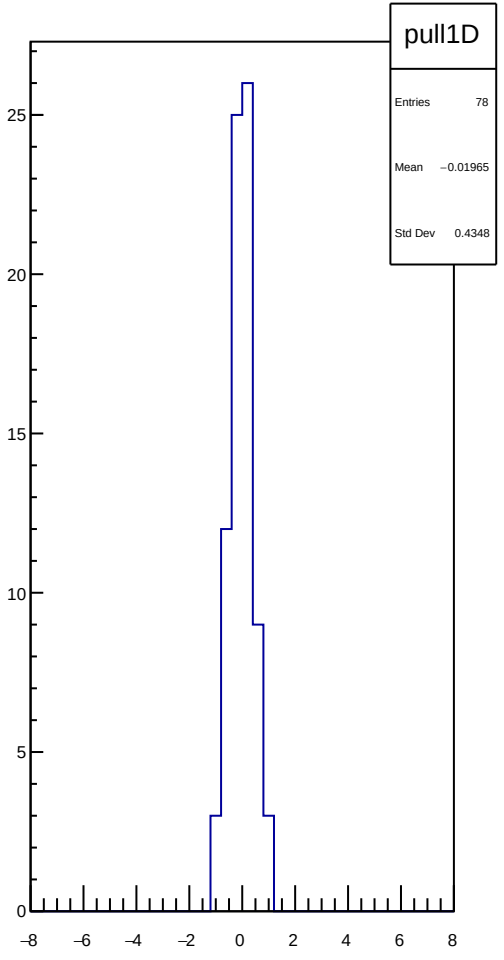

dit_segment_slope vs run
χ² / ndf 8.653e−30 / 77
p0 1 ± 3.796e−17
2
1.8
1.6
1.4
1.2
1

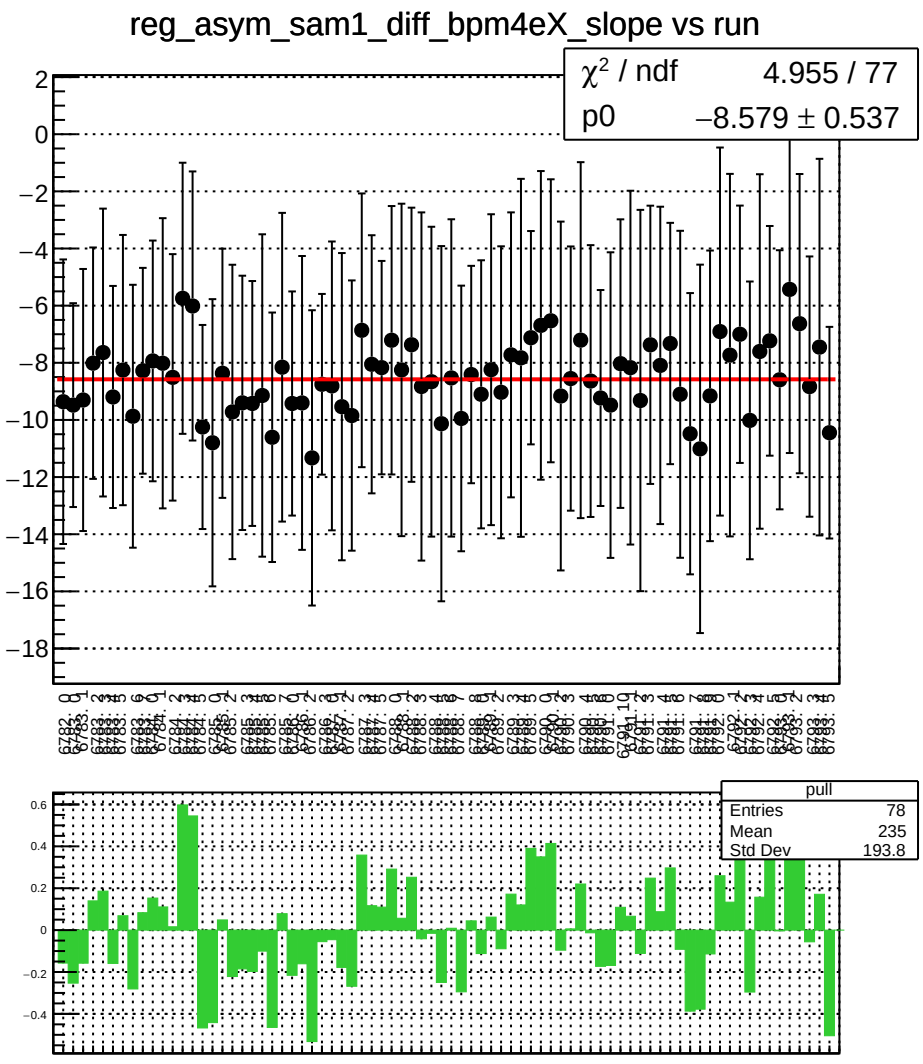

pull1D
Entries 78
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

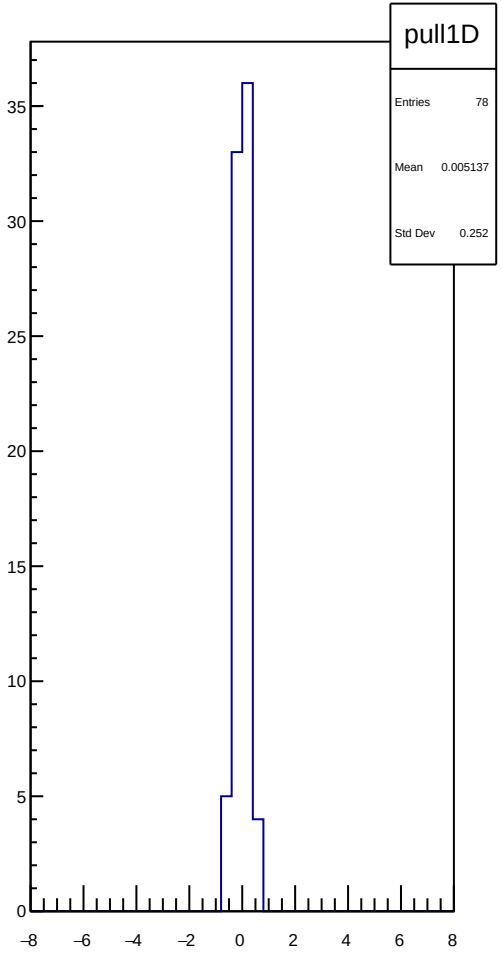

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 5.054 / 77
p0 −6.131 ± 0.575
pull
Entries 78
Mean 307.7
Std Dev 266.7

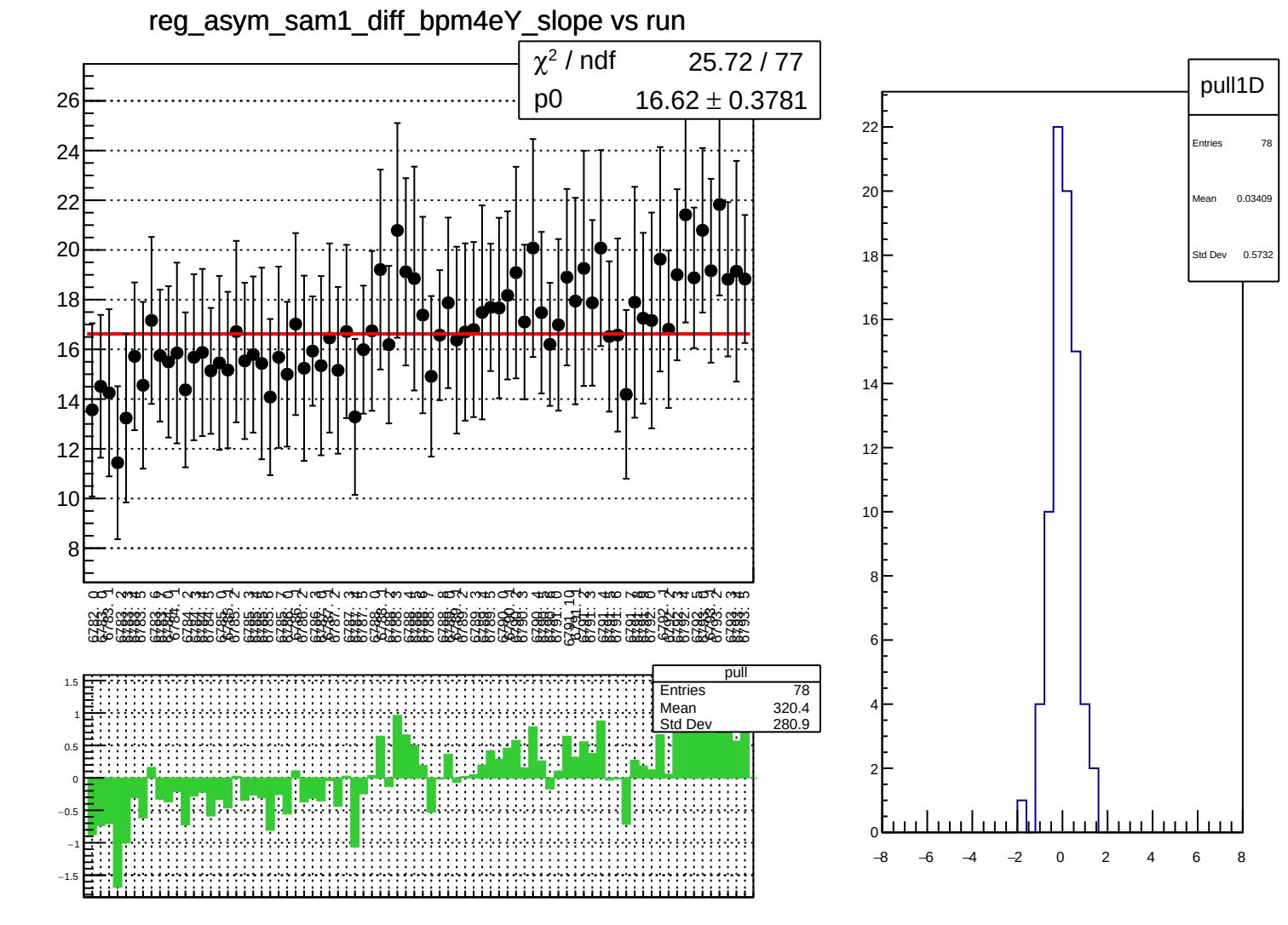

pull1D
Entries 78
Mean −0.003804
Std Dev 0.2545

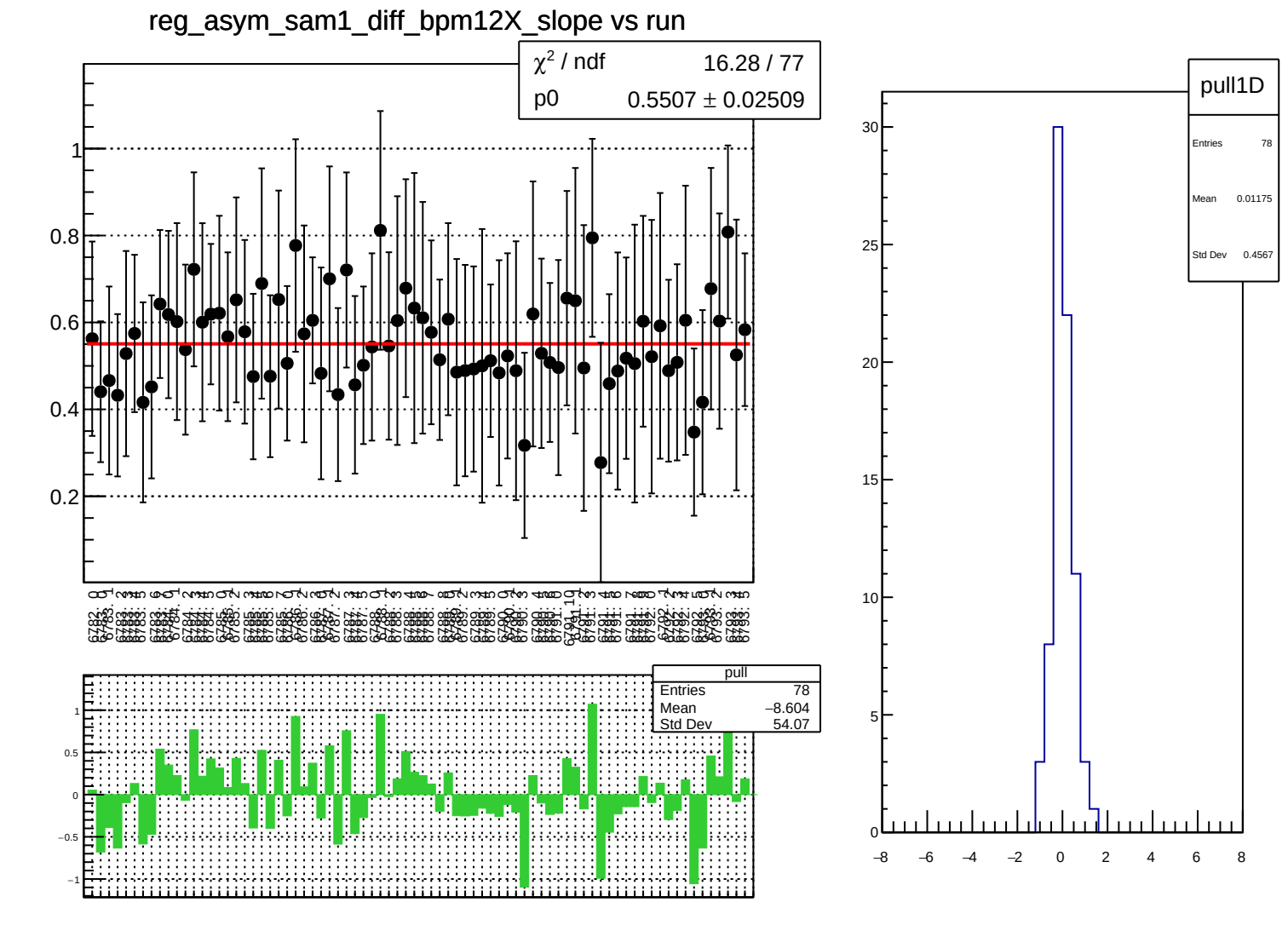

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 14.77 / 77
p0 −56.03 ± 0.2772
pull
Entries 78
Mean 270.3
Std Dev 228.6

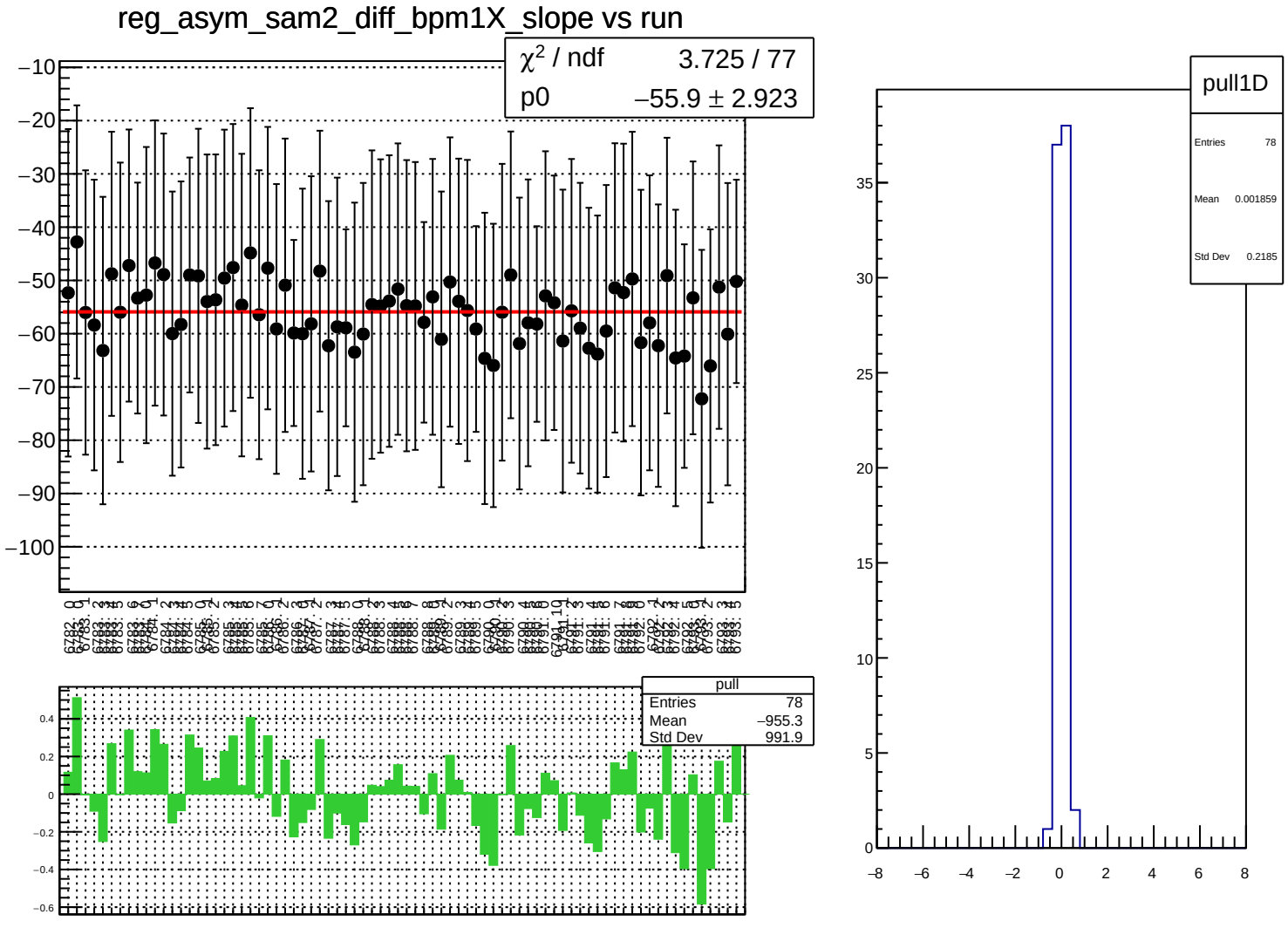

pull1D
Entries 78
Mean −0.01965
Std Dev 0.4348

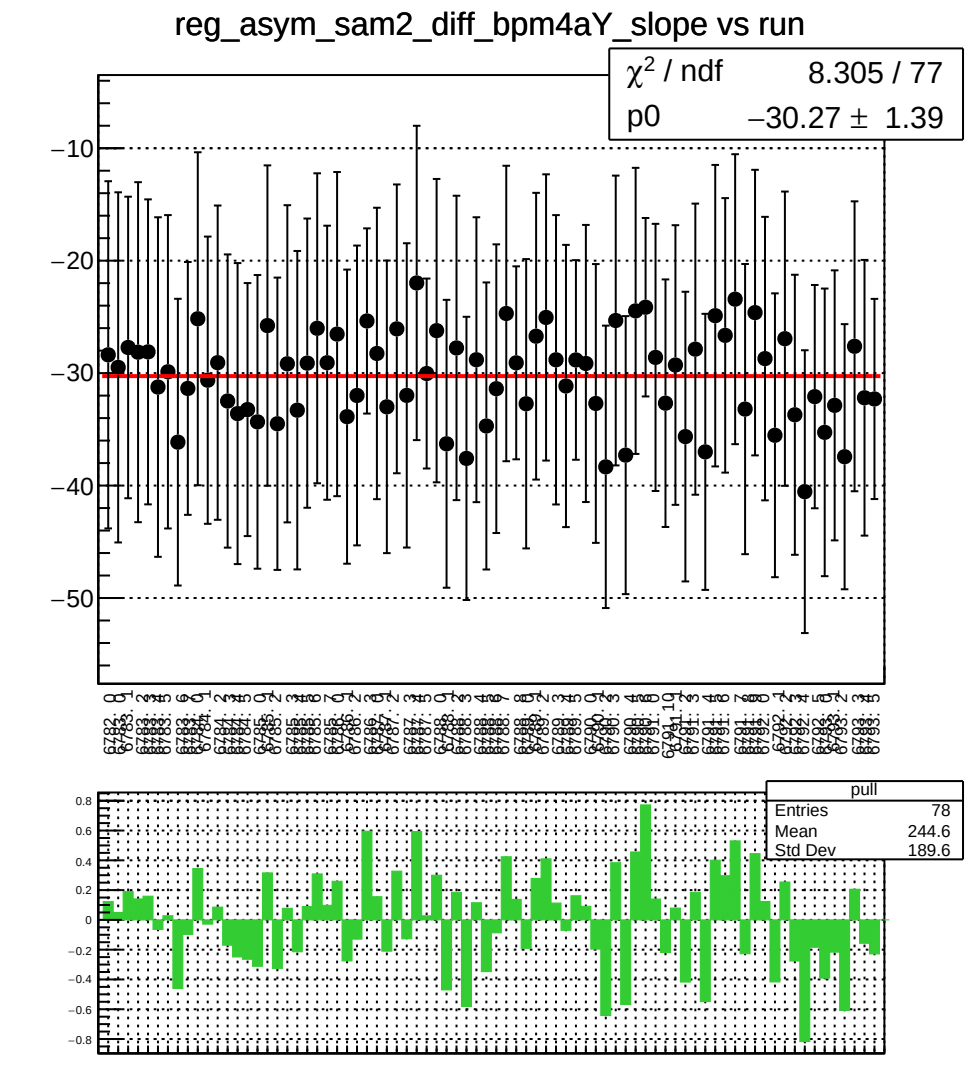

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 4.955 / 77
p0 −8.579 ± 0.537
pull
Entries 78
Mean 235
Std Dev 193.8

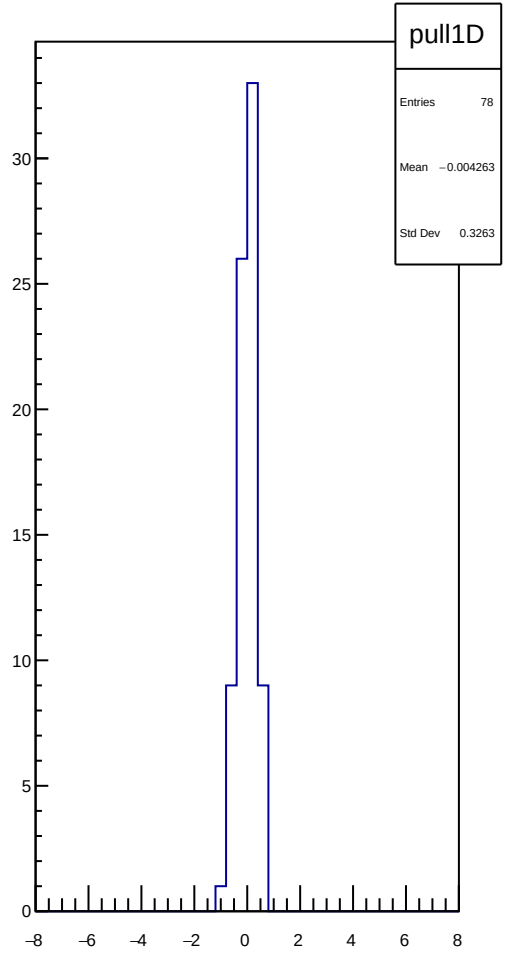

pull1D
Entries 78
Mean 0.005137
Std Dev 0.252

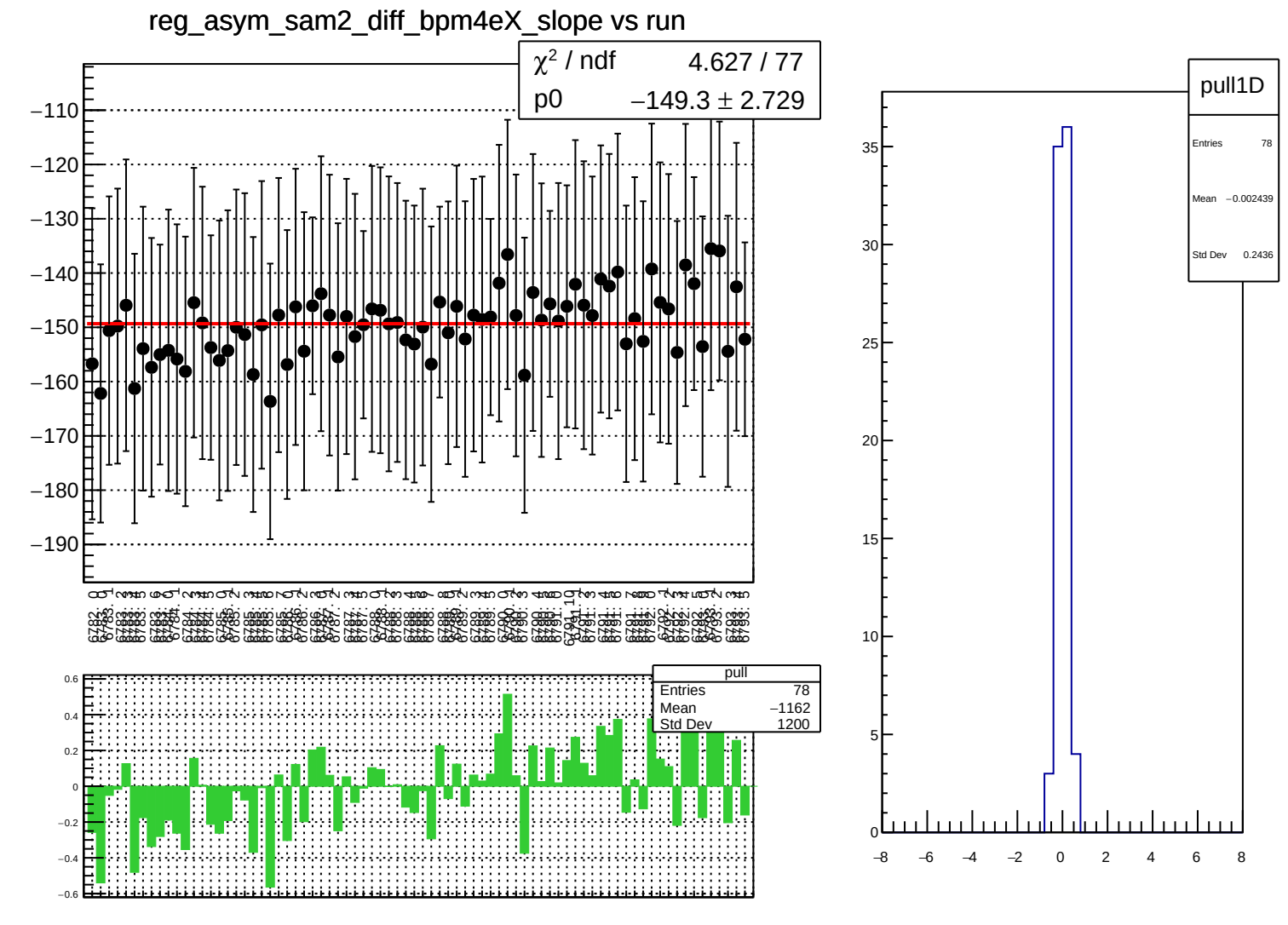

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 25.72 / 77
p0 16.62 ± 0.3781
pull
Entries 78
Mean 320.4
Std Dev 280.9
pull1D
Entries 78
Mean 0.03409
Std Dev 0.5732

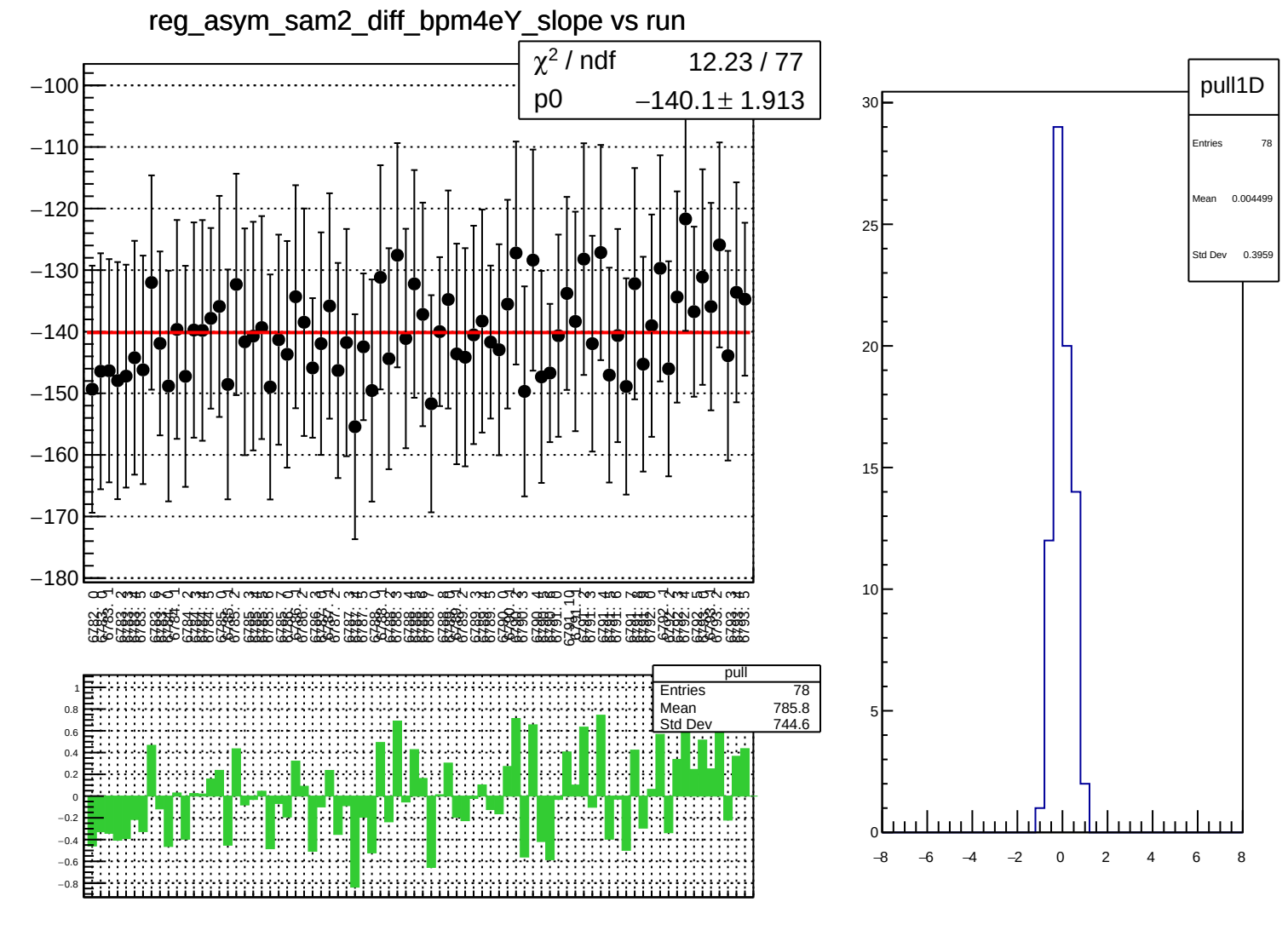

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 16.28 / 77
p0 0.5507 ± 0.02509
pull
Entries 78
Mean −8.604
Std Dev 54.07
pull1D
Entries 78
Mean 0.01175
Std Dev 0.4567

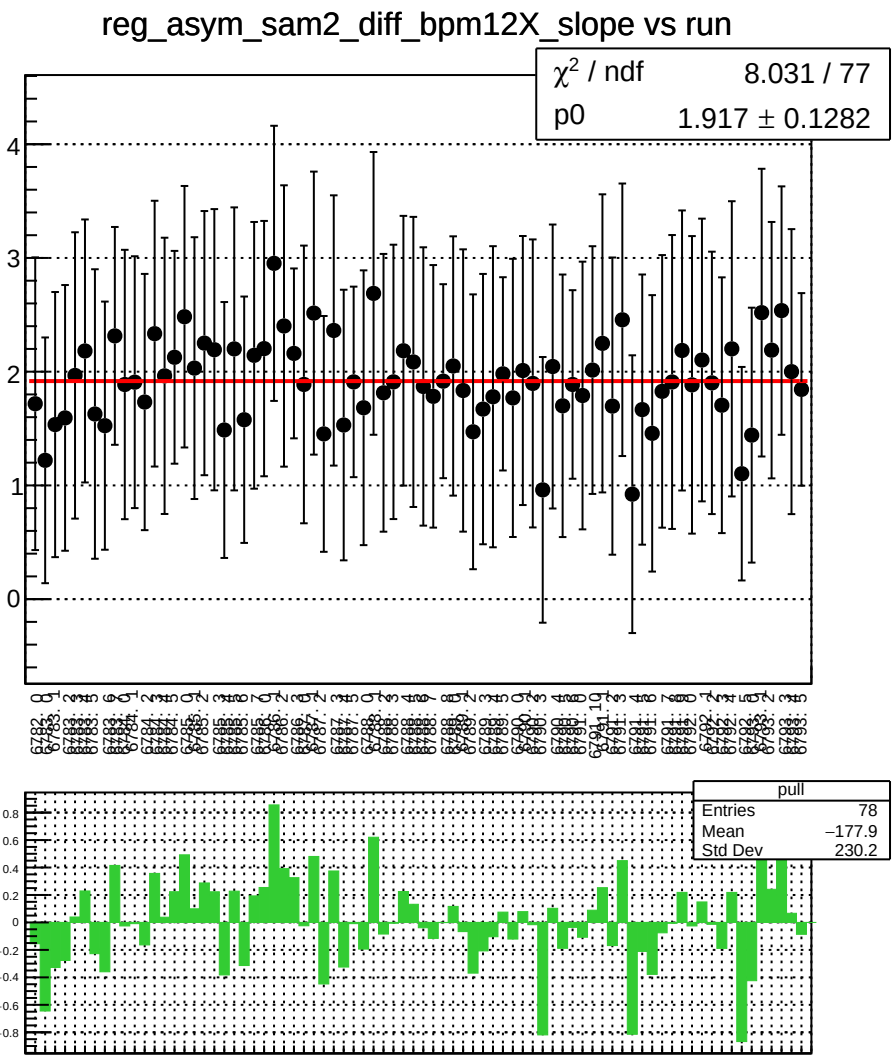

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 3.725 / 77
p0 −55.9 ± 2.923
pull
Entries 78
Mean −955.3
Std Dev 991.9
pull1D
Entries 78
Mean 0.001859
Std Dev 0.2185

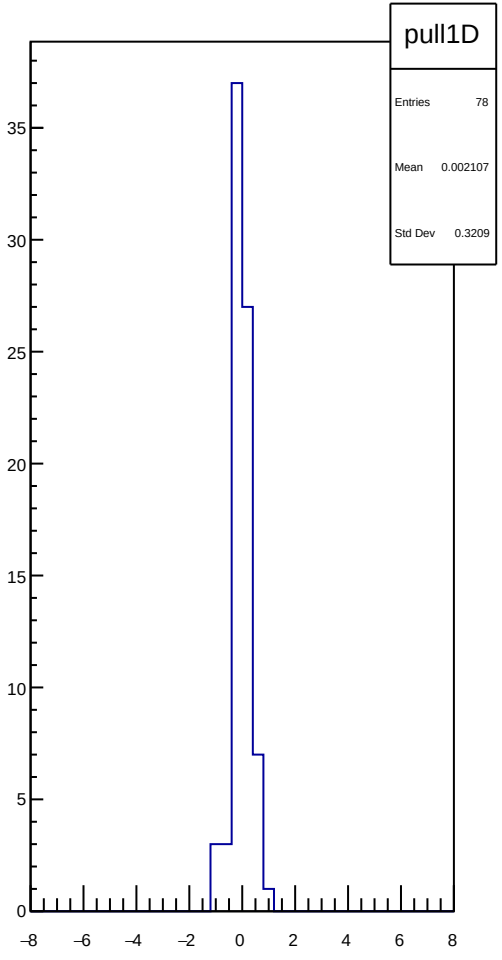

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 8.305 / 77
p0 −30.27 ± 1.39
pull
Entries 78
Mean 244.6
Std Dev 189.6

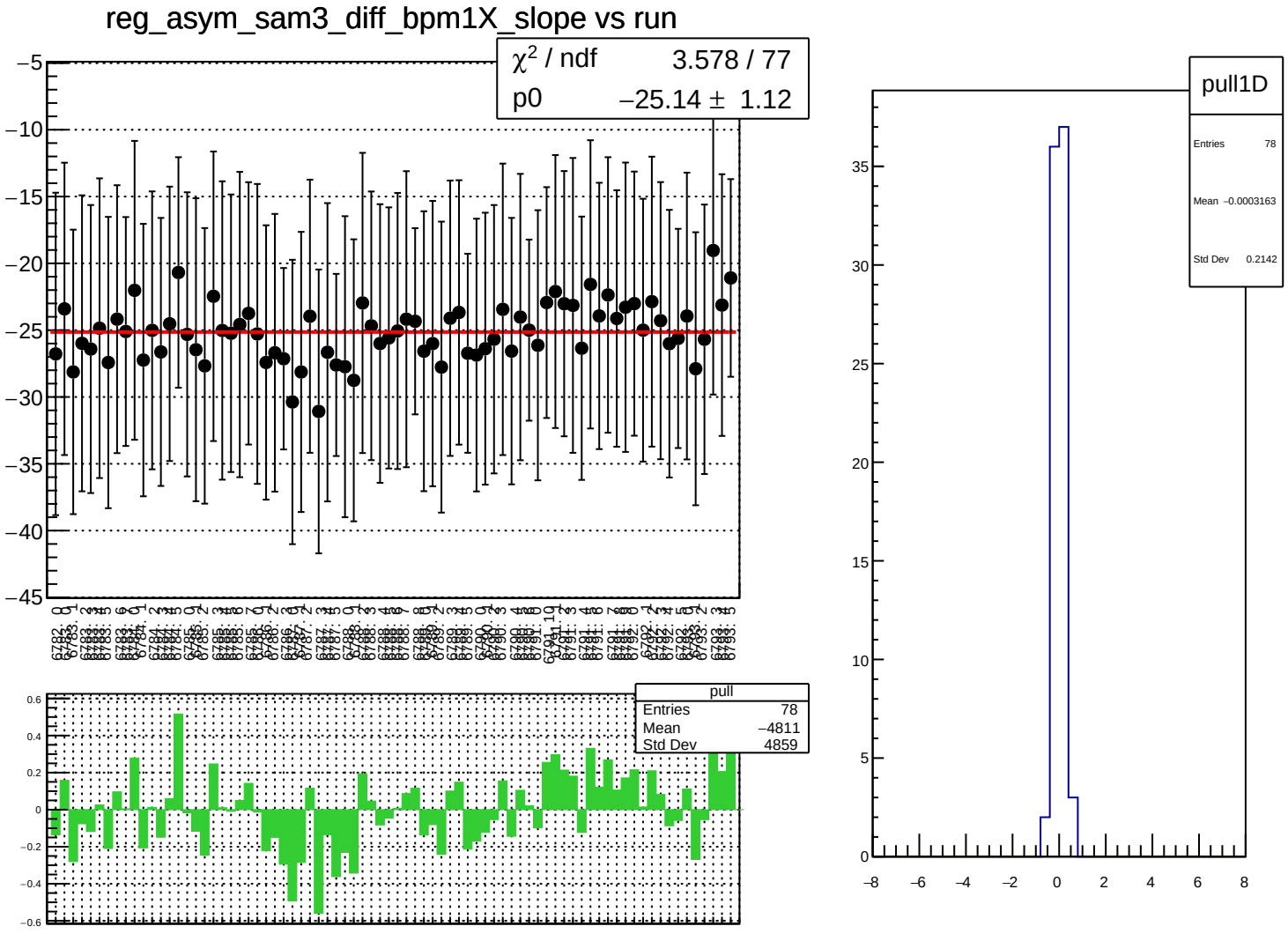

pull1D
Entries 78
Mean −0.004263
Std Dev 0.3263

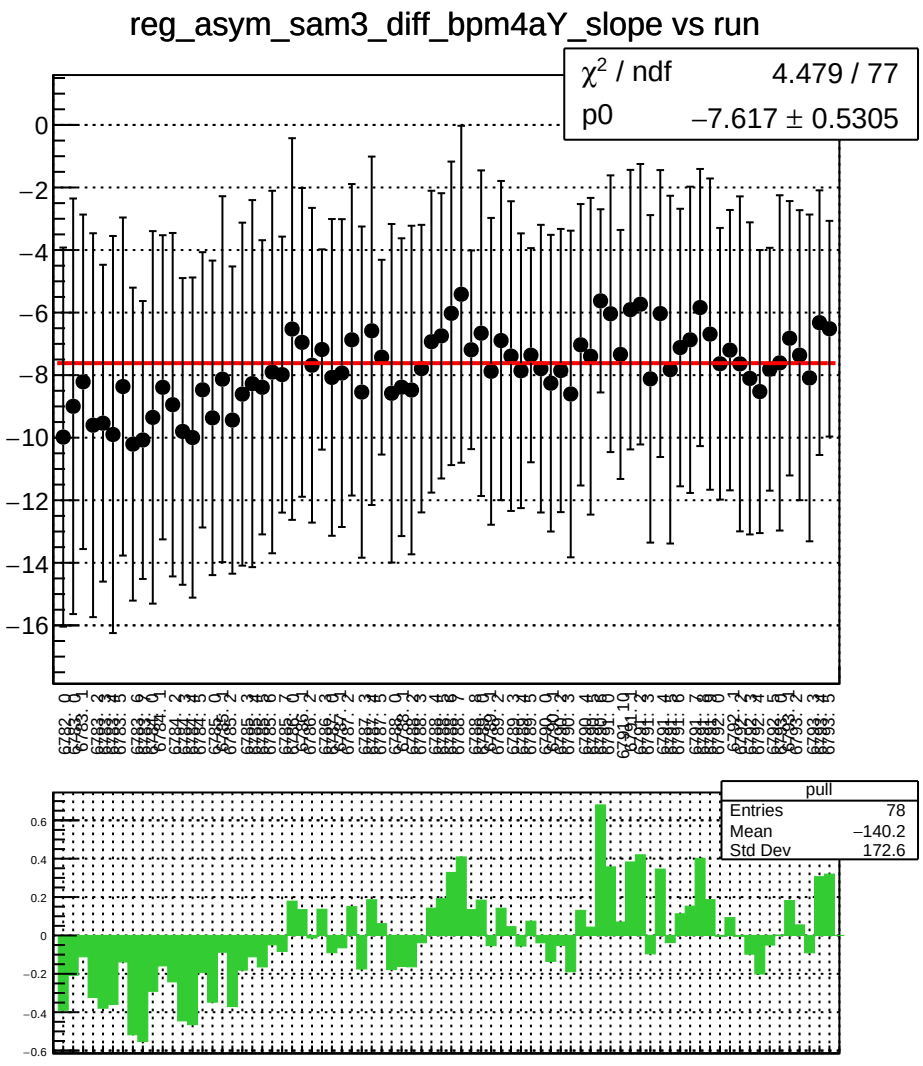

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 4.627 / 77
p0 −149.3 ± 2.729
pull
Entries 78
Mean −1162
Std Dev 1200
pull1D
Entries 78
Mean −0.002439
Std Dev 0.2436

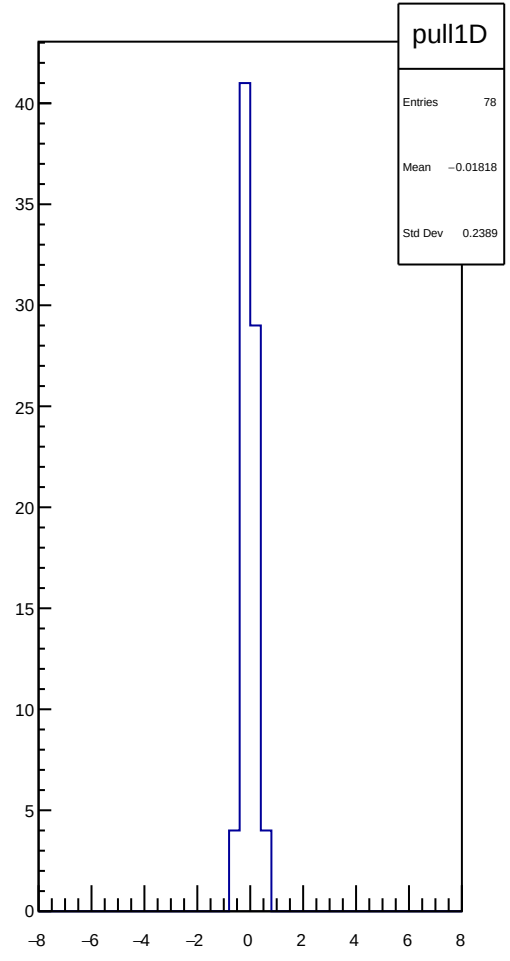

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 12.23 / 77
p0 −140.1± 1.913
pull
Entries 78
Mean 785.8
Std Dev 744.6
pull1D
Entries 78
Mean 0.004499
Std Dev 0.3959

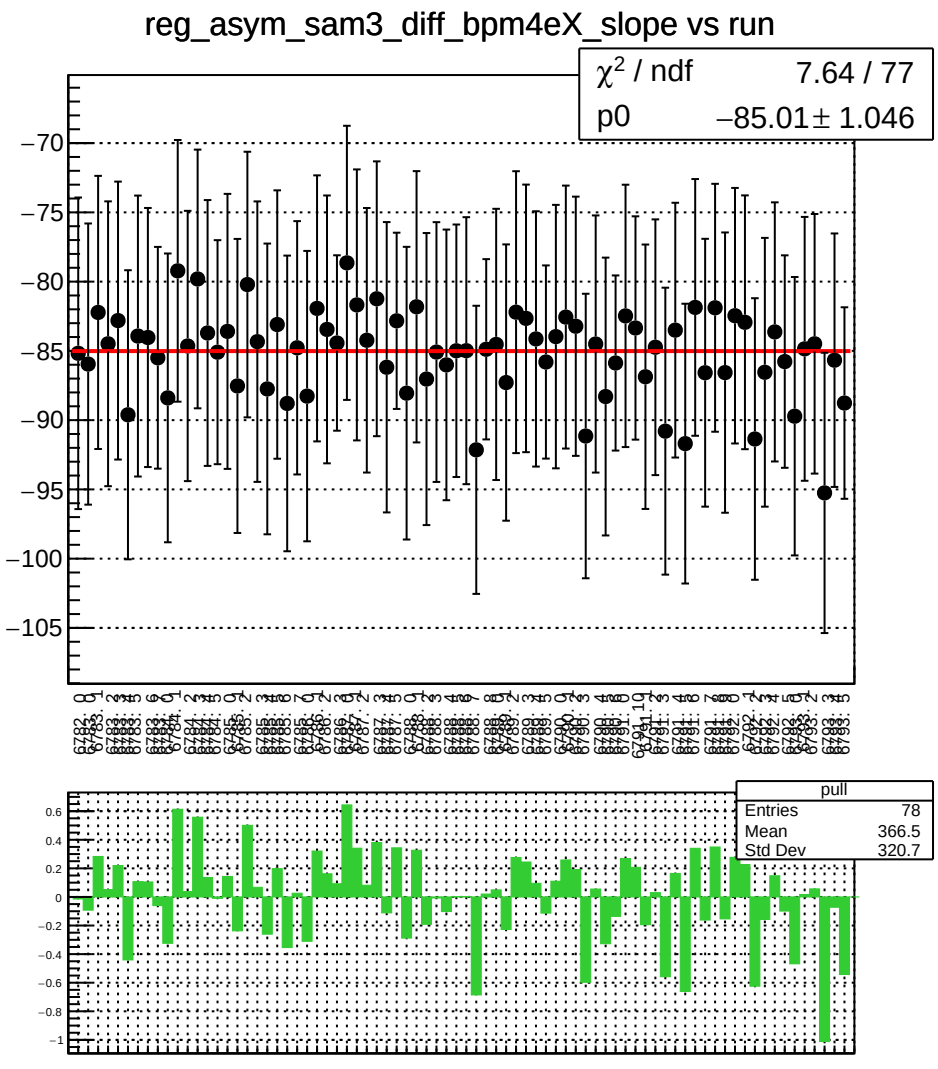

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 8.031 / 77
p0 1.917 ± 0.1282
pull
Entries 78
Mean −177.9
Std Dev 230.2

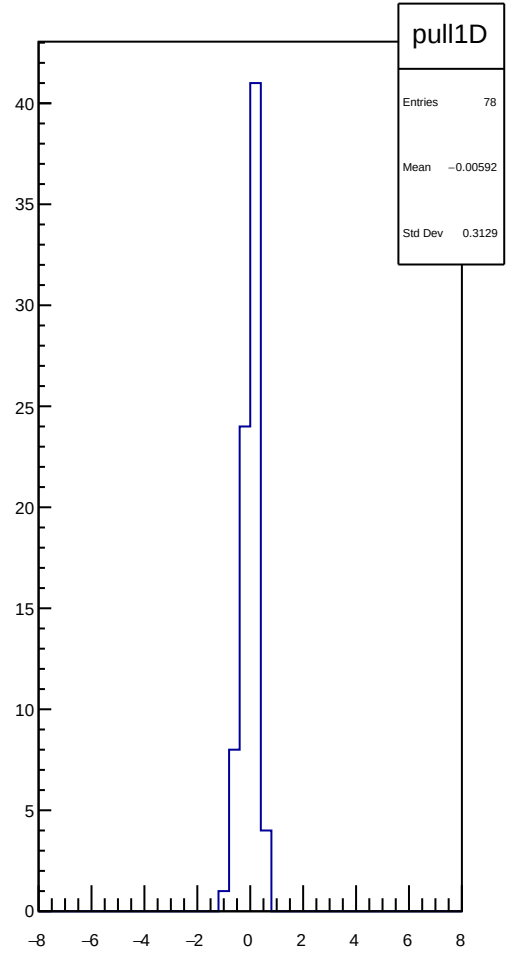

pull1D
Entries 78
Mean 0.002107
Std Dev 0.3209

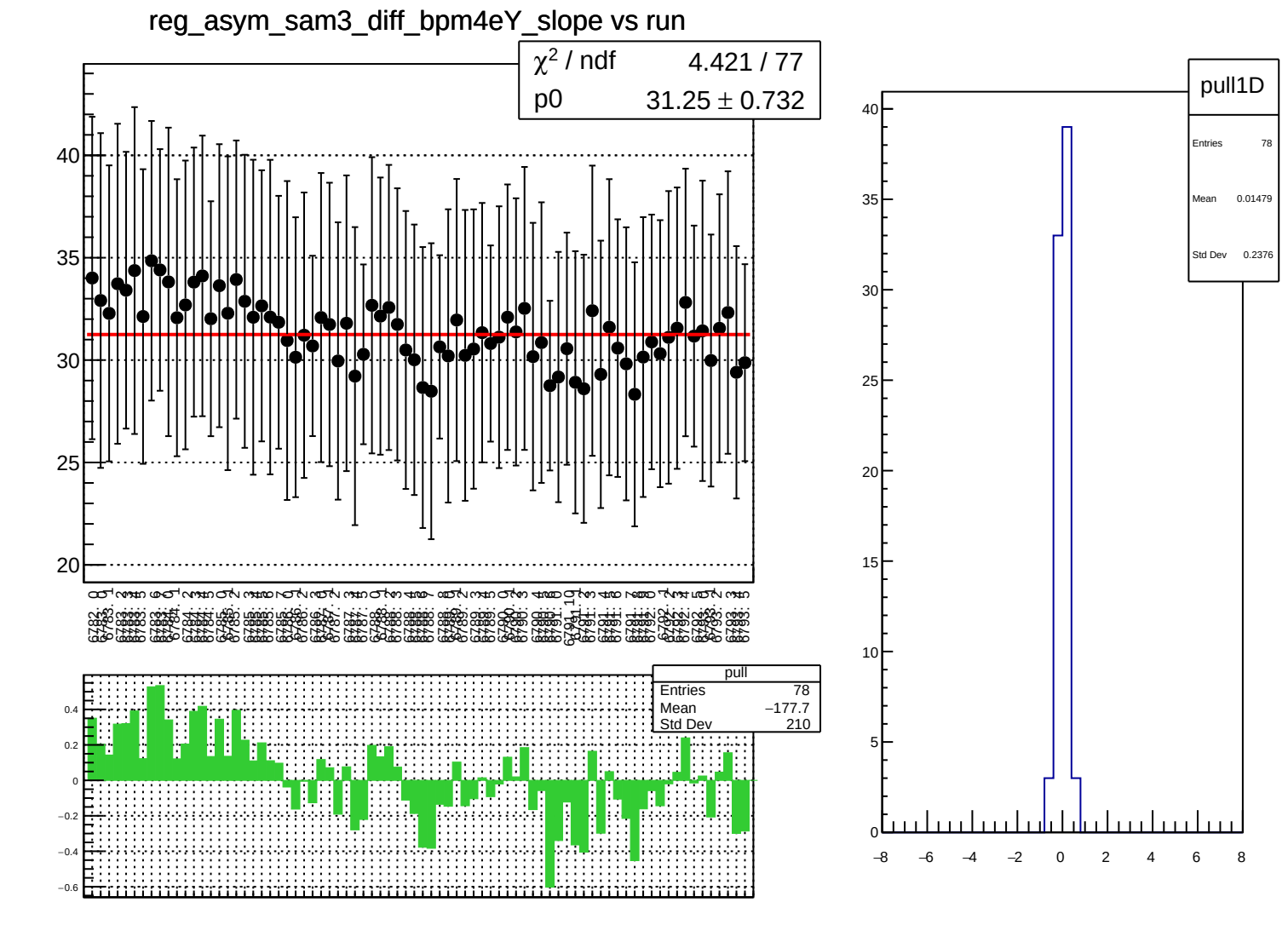

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.578 / 77
p0 −25.14 ± 1.12
pull
Entries 78
Mean −4811
Std Dev 4859
pull1D
Entries 78
Mean −0.0003163
Std Dev 0.2142

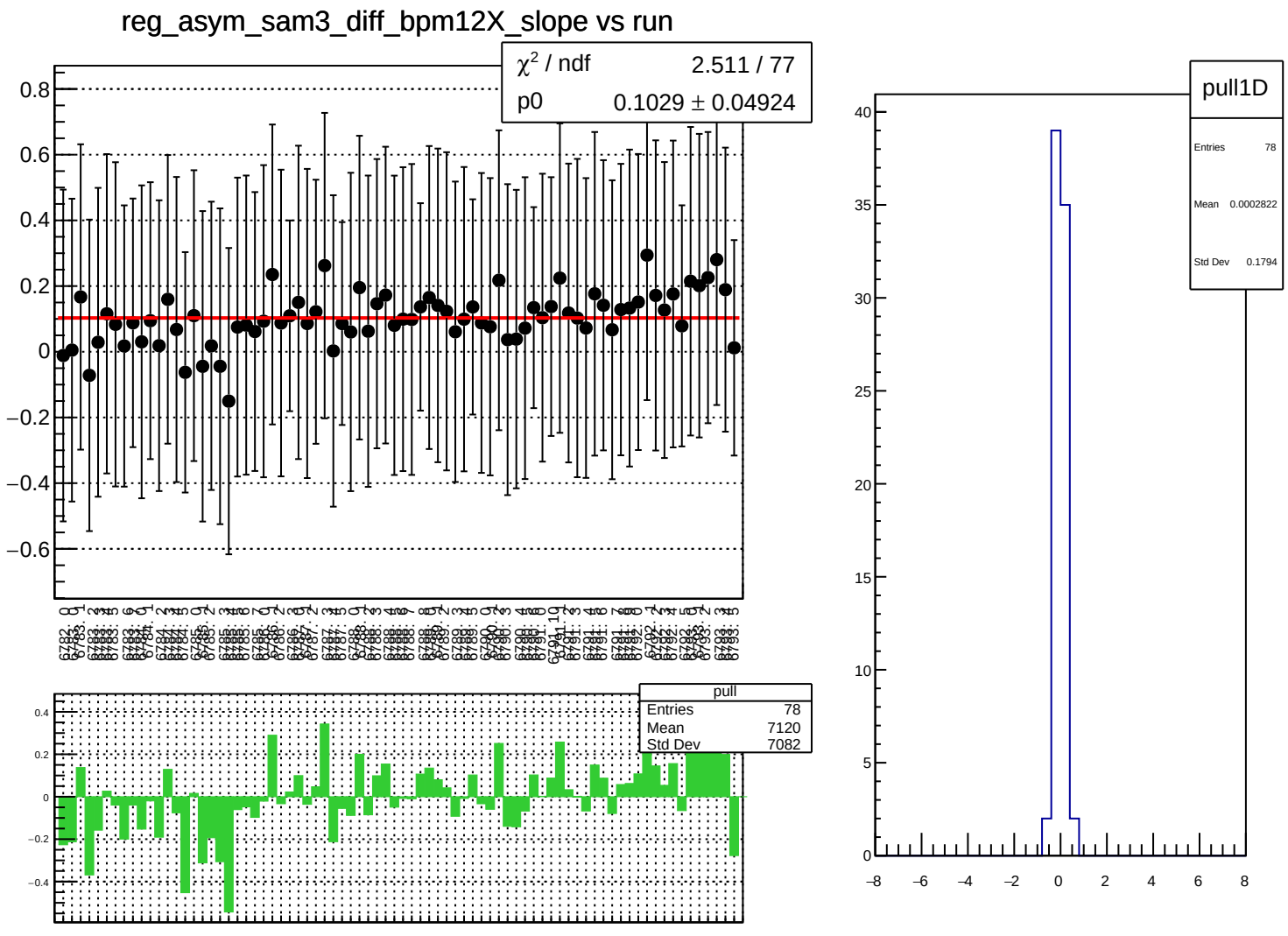

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.479 / 77
p0 −7.617 ± 0.5305
pull
Entries 78
Mean −140.2
Std Dev 172.6

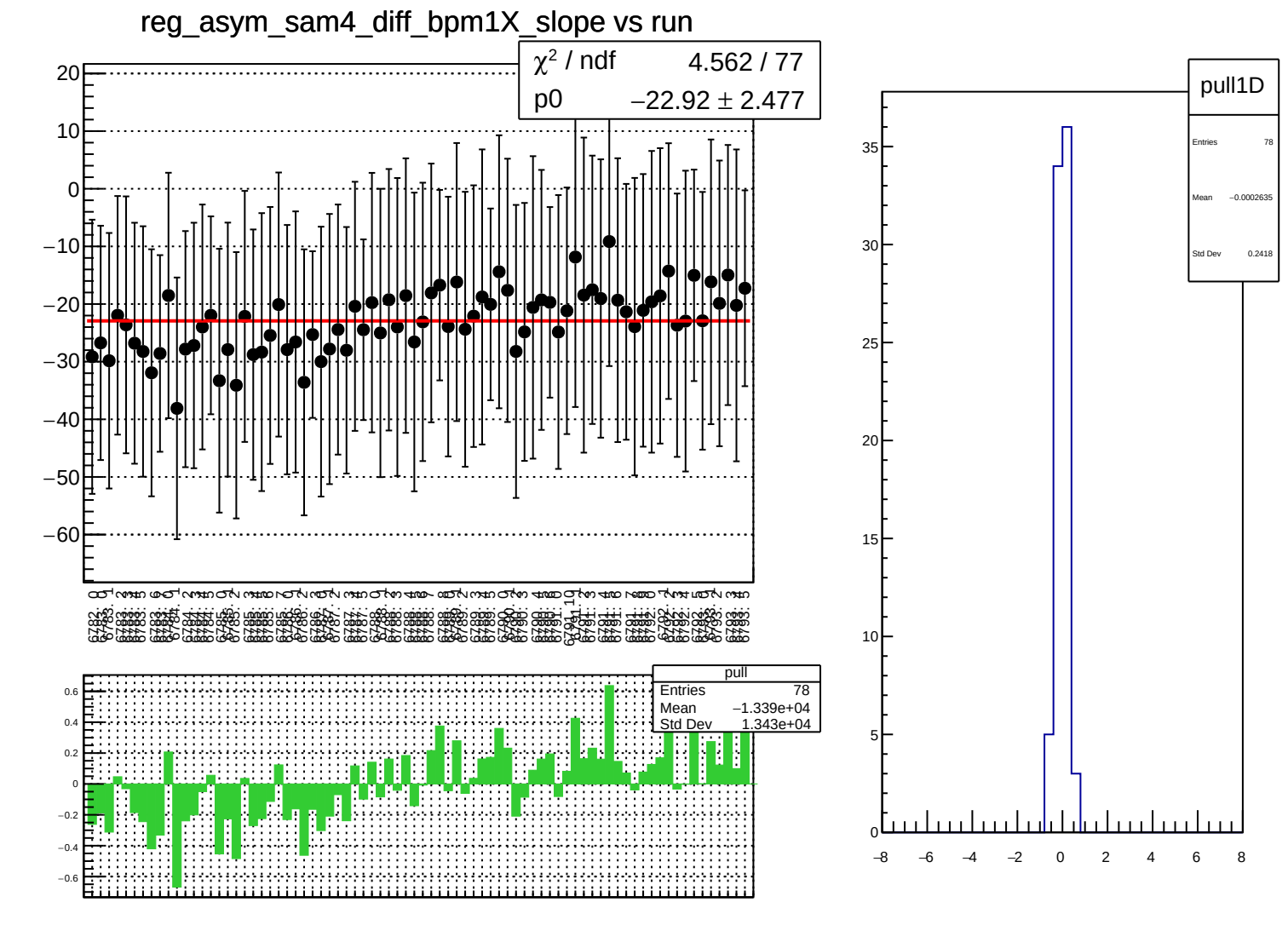

pull1D
Entries 78
Mean −0.01818
Std Dev 0.2389

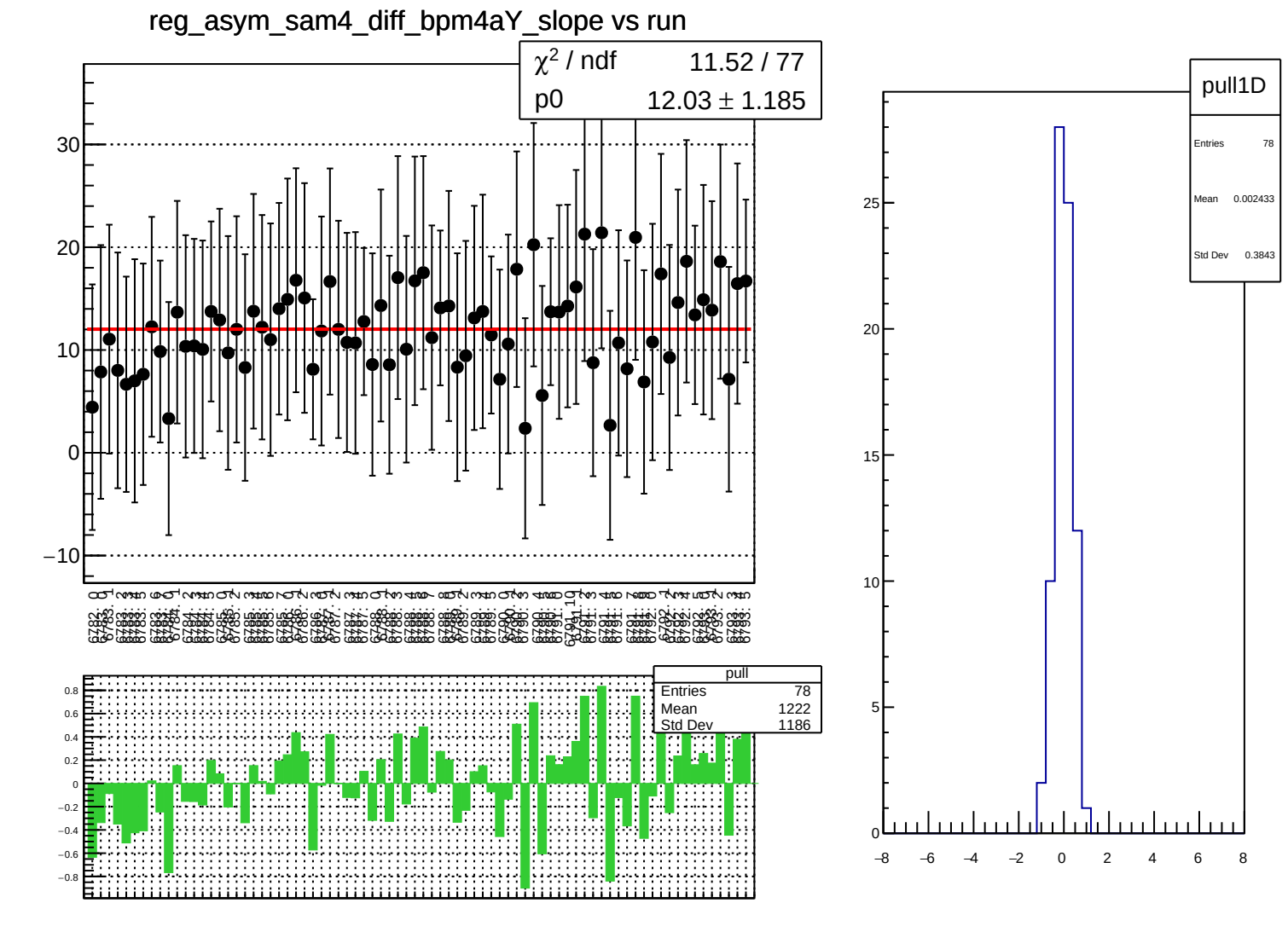

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 7.64 / 77
p0 −85.01 ± 1.046
pull
Entries 78
Mean 366.5
Std Dev 320.7

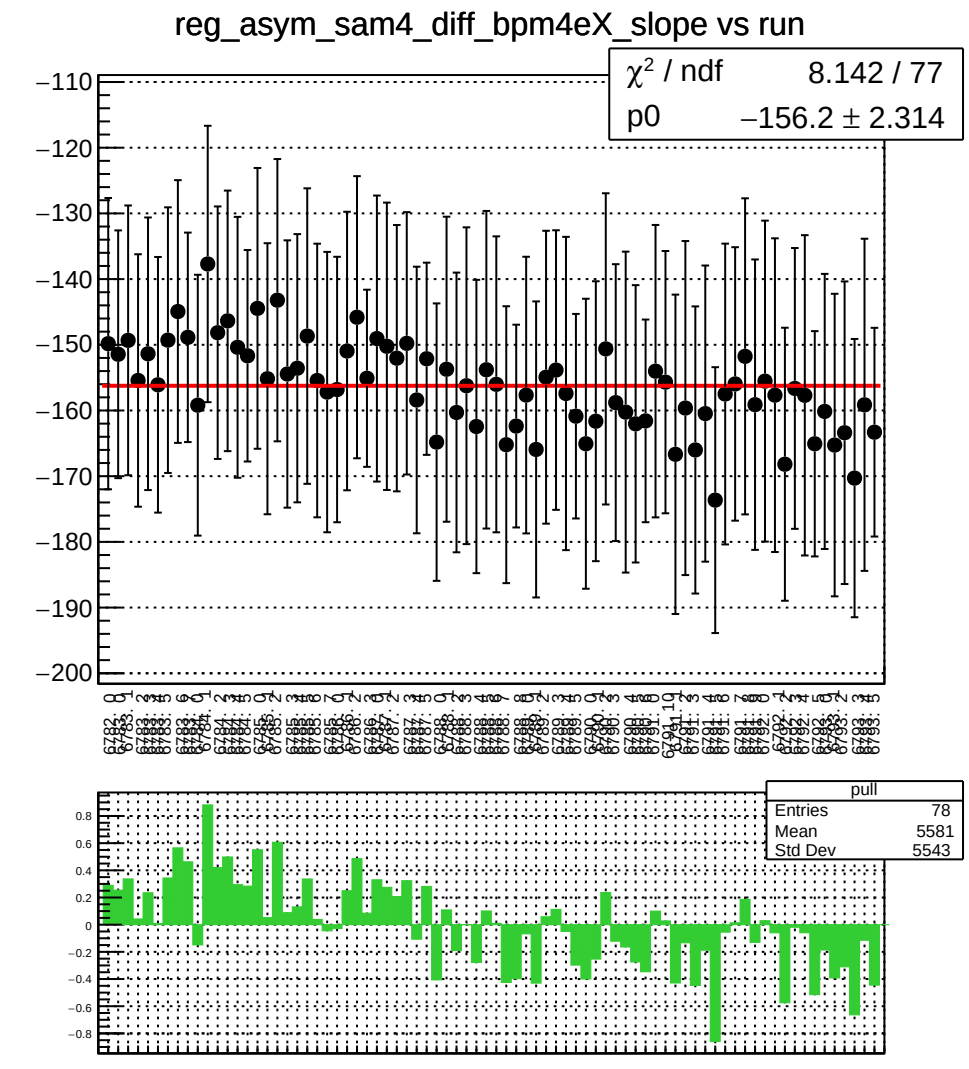

pull1D
Entries 78
Mean −0.00592
Std Dev 0.3129

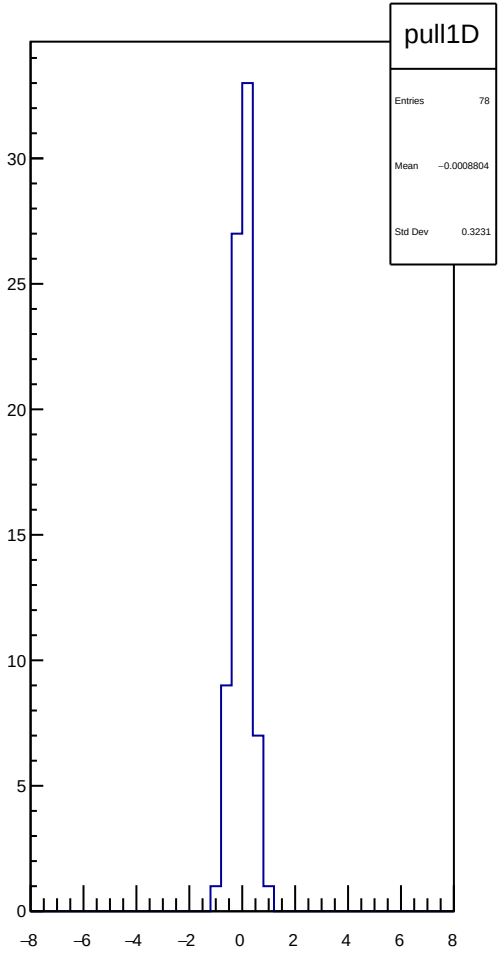

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 4.421 / 77
p0 31.25 ± 0.732
pull
Entries 78
Mean −177.7
Std Dev 210
pull1D
Entries 78
Mean 0.01479
Std Dev 0.2376

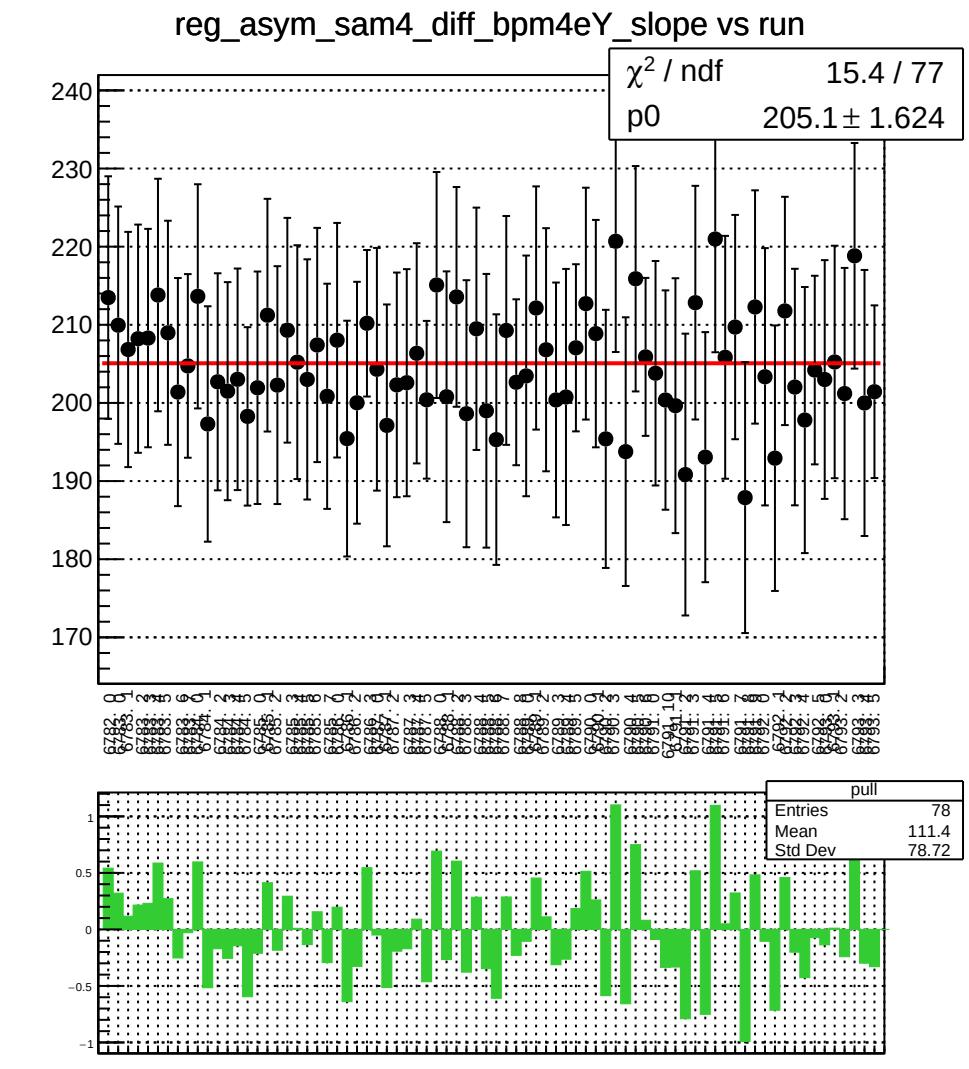

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.511 / 77
p0 0.1029 ± 0.04924
pull
Entries 78
Mean 7120
Std Dev 7082
pull1D
Entries 78
Mean 0.0002822
Std Dev 0.1794

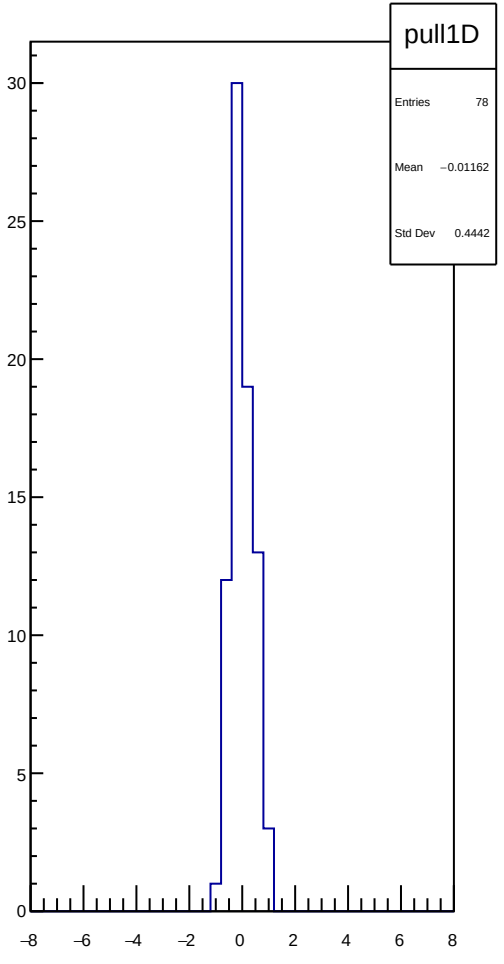

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.562 / 77
p0 −22.92 ± 2.477
pull
Entries 78
Mean −1.339e+04
Std Dev 1.343e+04
pull1D
Entries 78
Mean −0.0002635
Std Dev 0.2418

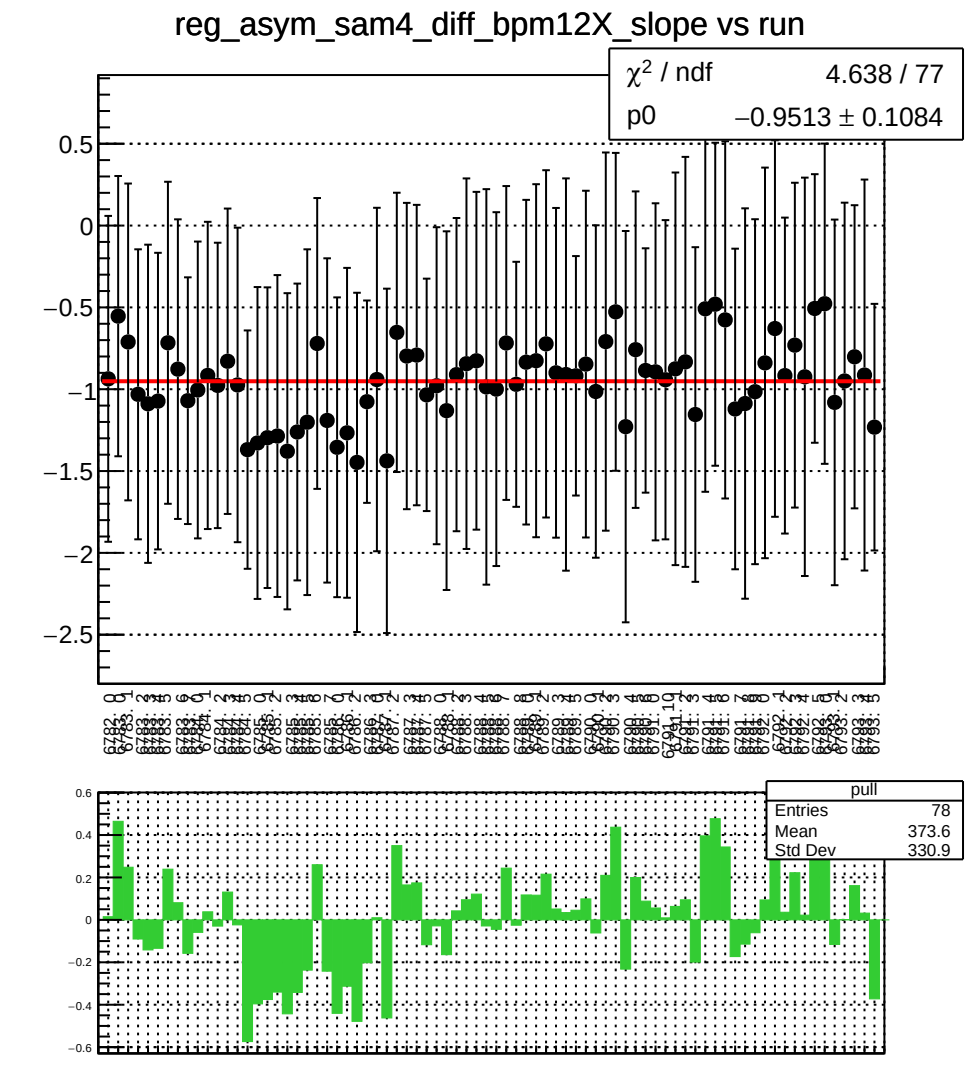

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 11.52 / 77
p0 12.03 ± 1.185
pull
Entries 78
Mean 1222
Std Dev 1186
pull1D
Entries 78
Mean 0.002433
Std Dev 0.3843

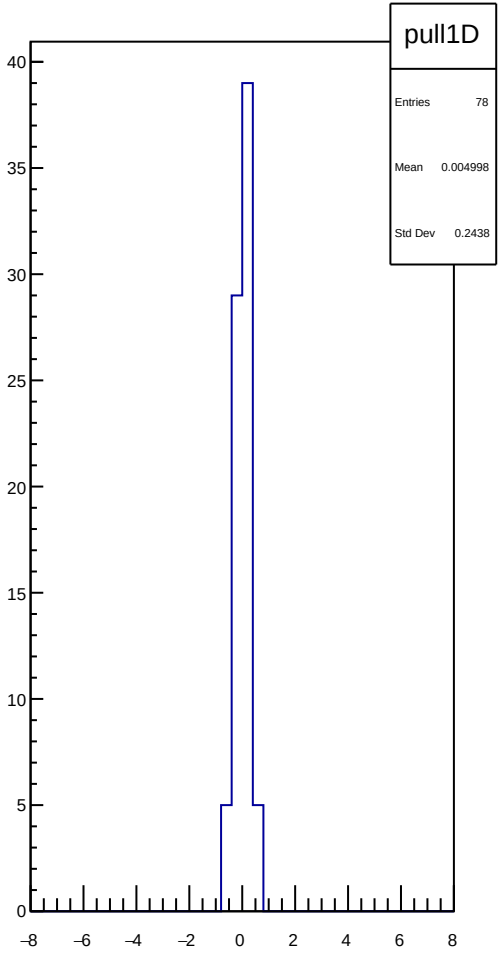

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.142 / 77
p0 −156.2 ± 2.314
pull
Entries 78
Mean 5581
Std Dev 5543

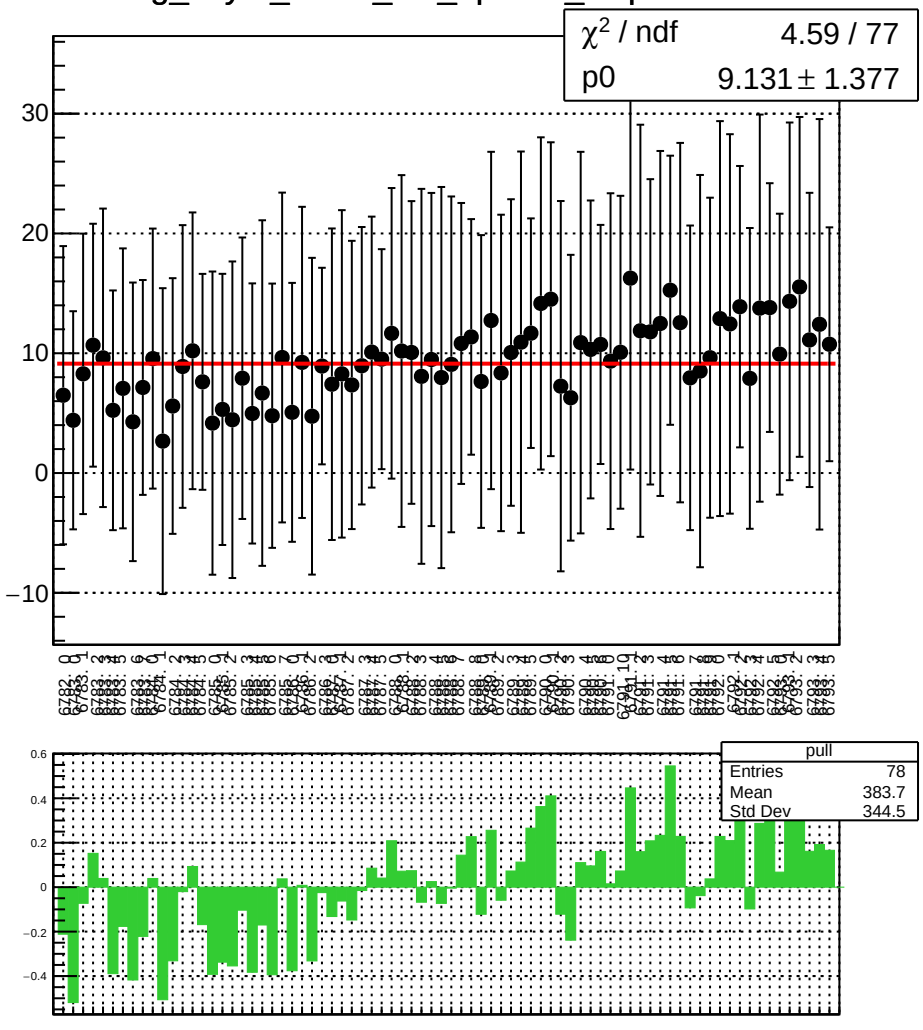

pull1D
Entries 78
Mean −0.0008804
Std Dev 0.3231

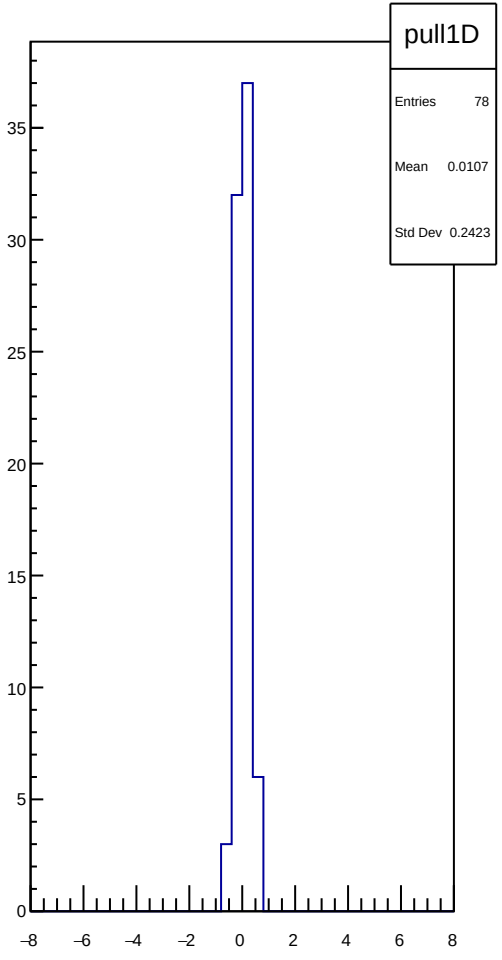

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 77
p0 205.1 ± 1.624
pull
Entries 78
Mean 111.4
Std Dev 78.72

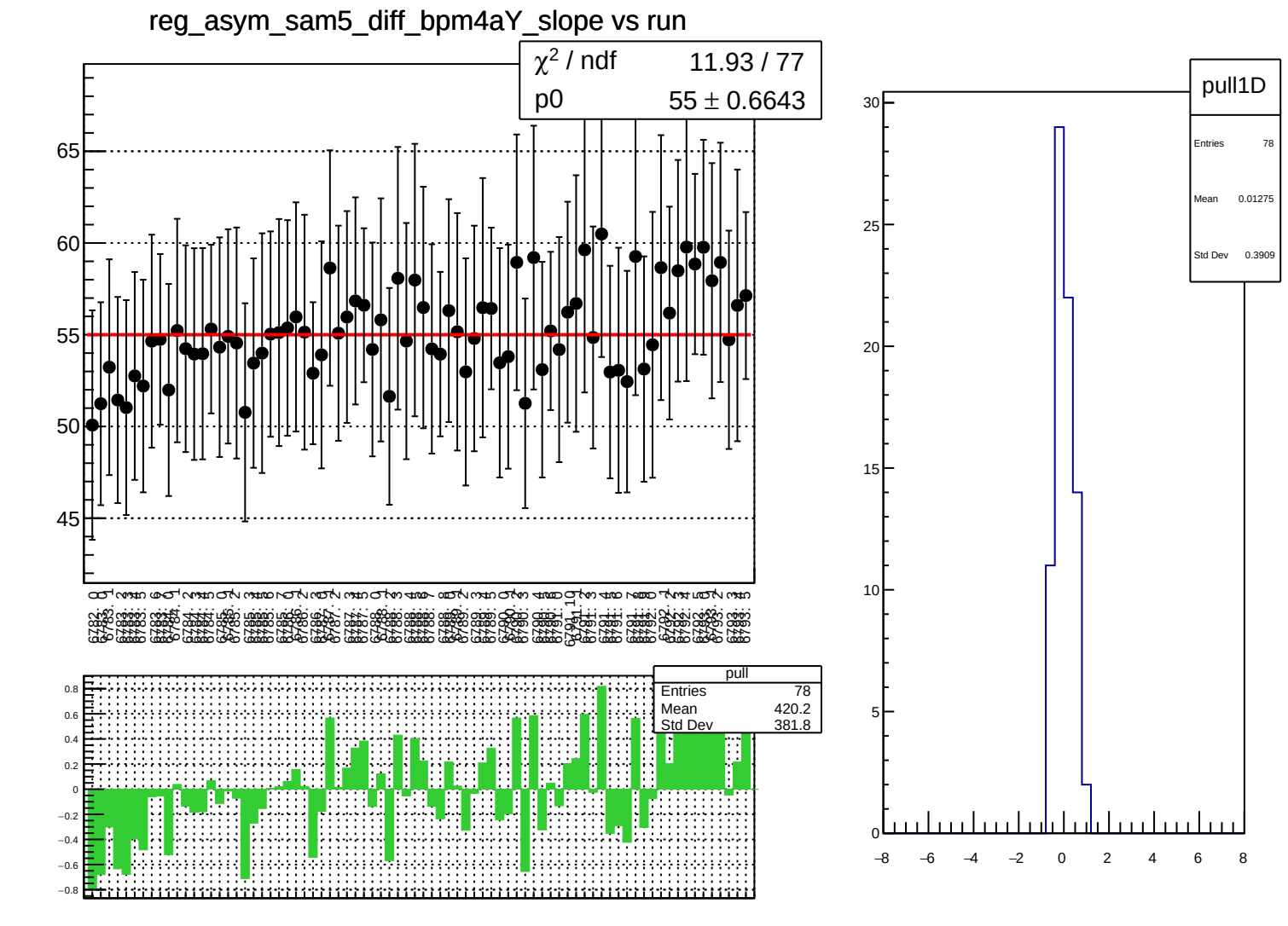

pull1D
Entries 78
Mean −0.01162
Std Dev 0.4442

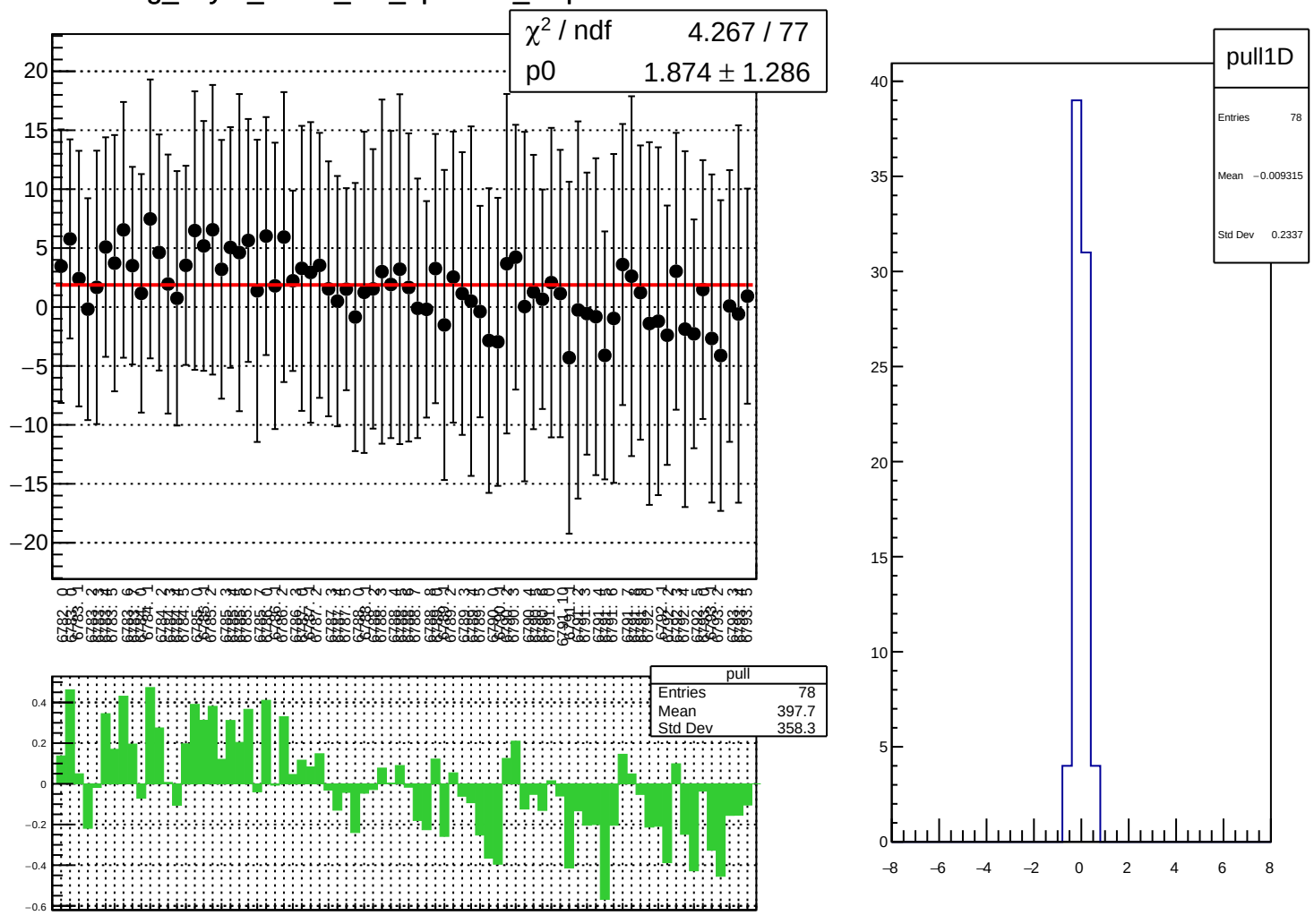

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 4.638 / 77
p0 −0.9513 ± 0.1084
pull
Entries 78
Mean 373.6
Std Dev 330.9

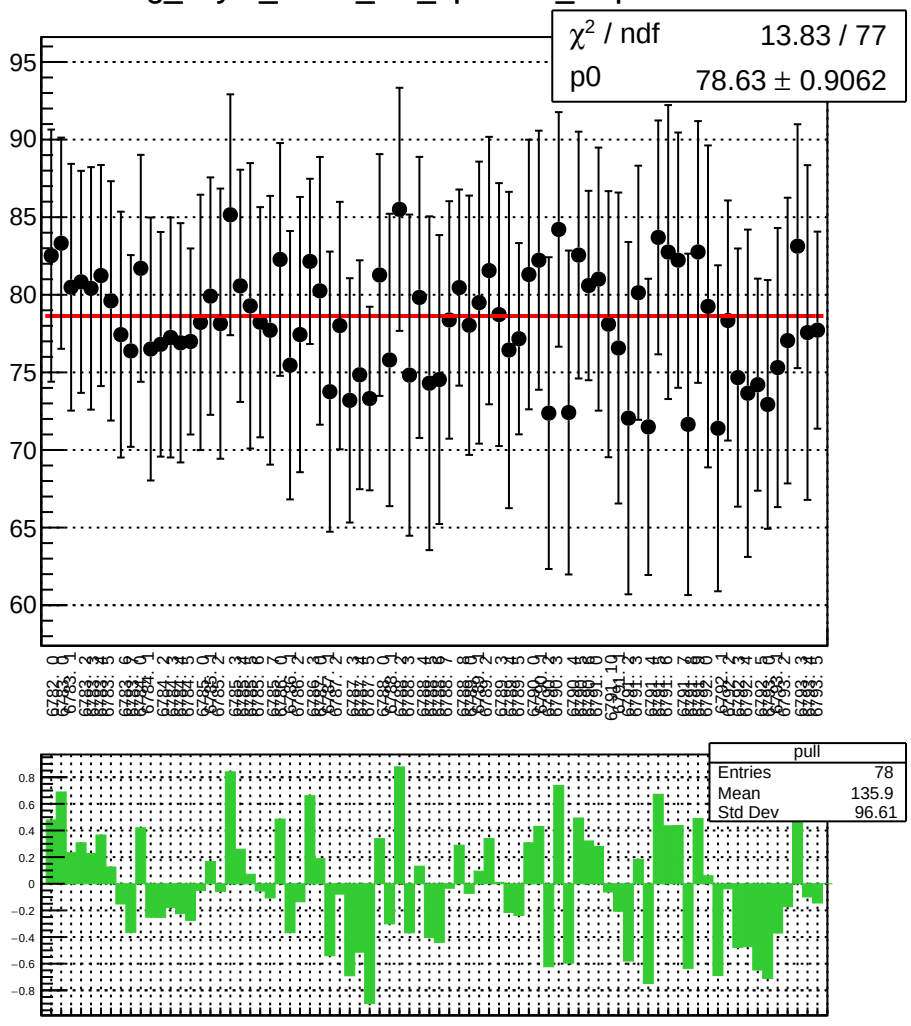

pull1D
Entries 78
Mean 0.004998
Std Dev 0.2438

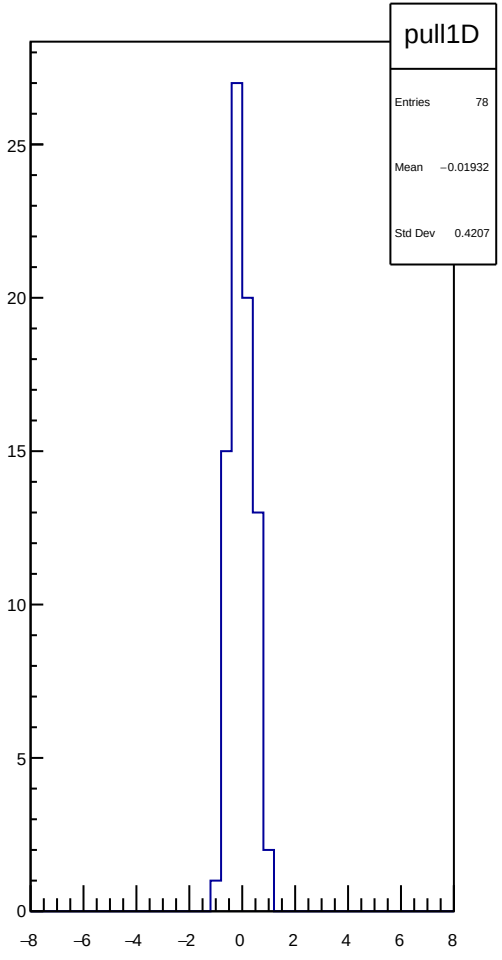

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 4.59 / 77
p0 9.131 ± 1.377
pull
Entries 78
Mean 383.7
Std Dev 344.5

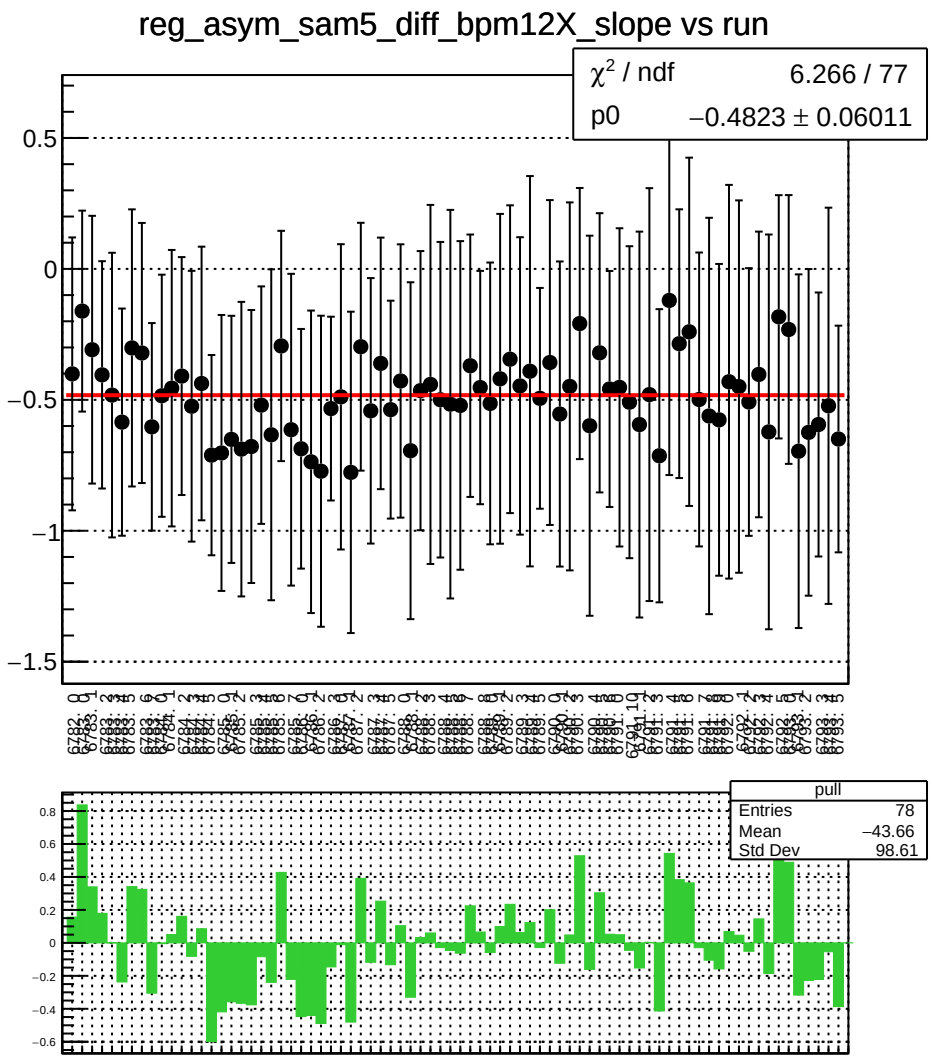

pull1D
Entries 78
Mean 0.0107
Std Dev 0.2423

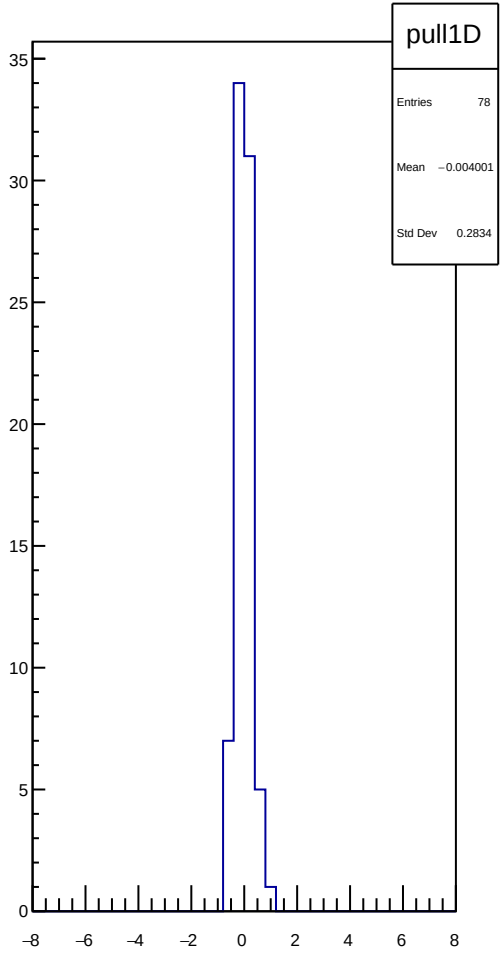

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 11.93 / 77
p0 55 ± 0.6643
pull
Entries 78
Mean 420.2
Std Dev 381.8
pull1D
Entries 78
Mean 0.01275
Std Dev 0.3909

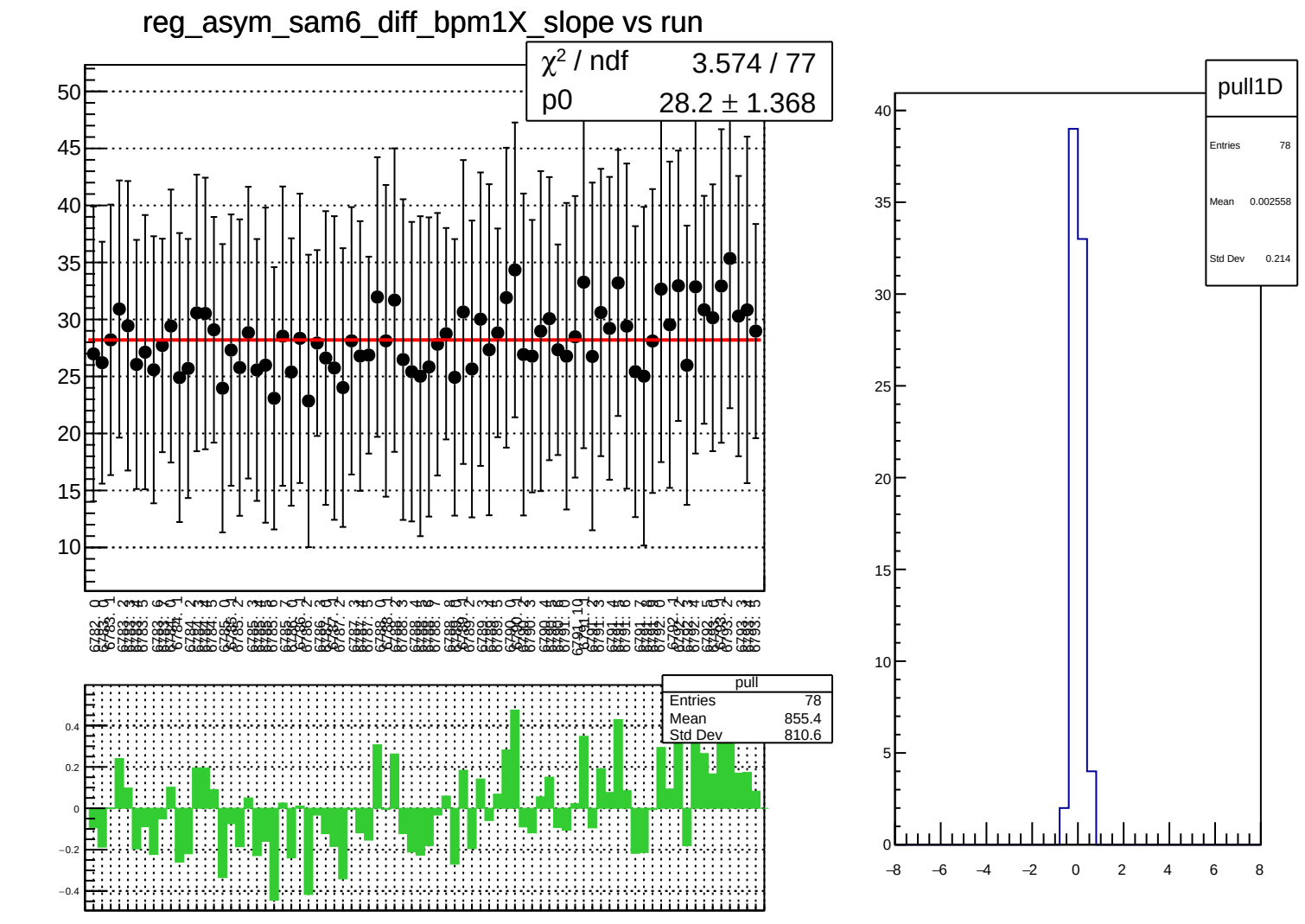

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 4.267 / 77
p0 1.874 ± 1.286
pull
Entries 78
Mean 397.7
Std Dev 358.3
pull1D
Entries 78
Mean −0.009315
Std Dev 0.2337

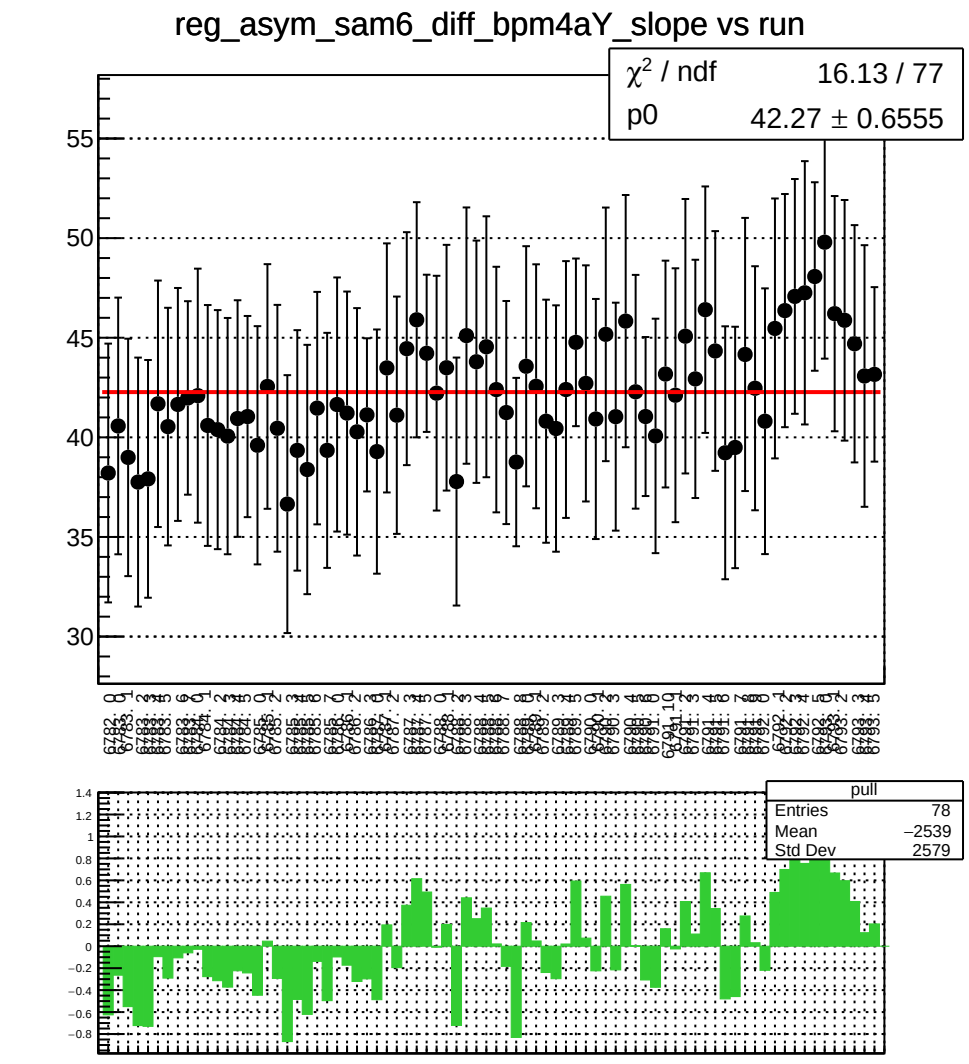

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 13.83 / 77
p0 78.63 ± 0.9062
pull
Entries 78
Mean 135.9
Std Dev 96.61

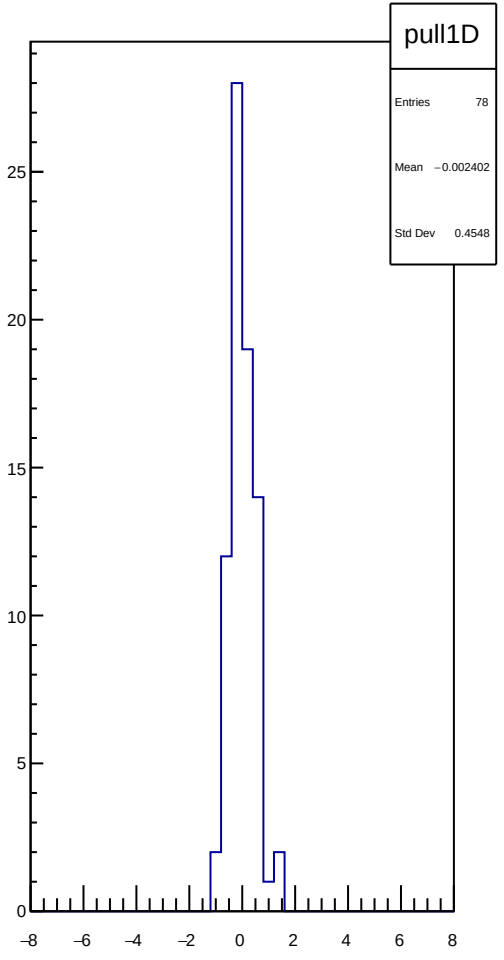

pull1D
Entries 78
Mean −0.01932
Std Dev 0.4207

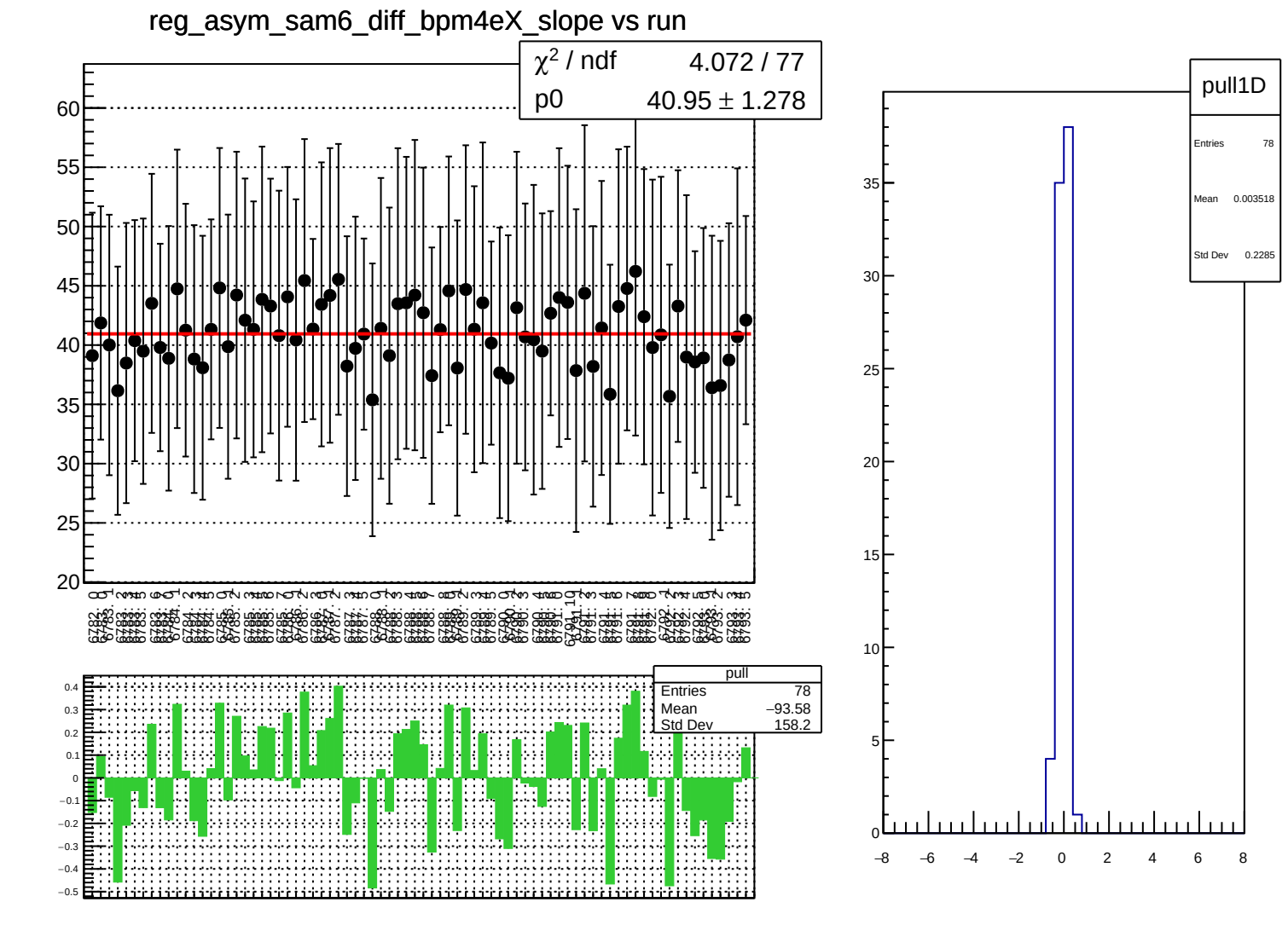

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 6.266 / 77
p0 −0.4823 ± 0.06011
pull
Entries 78
Mean −43.66
Std Dev 98.61

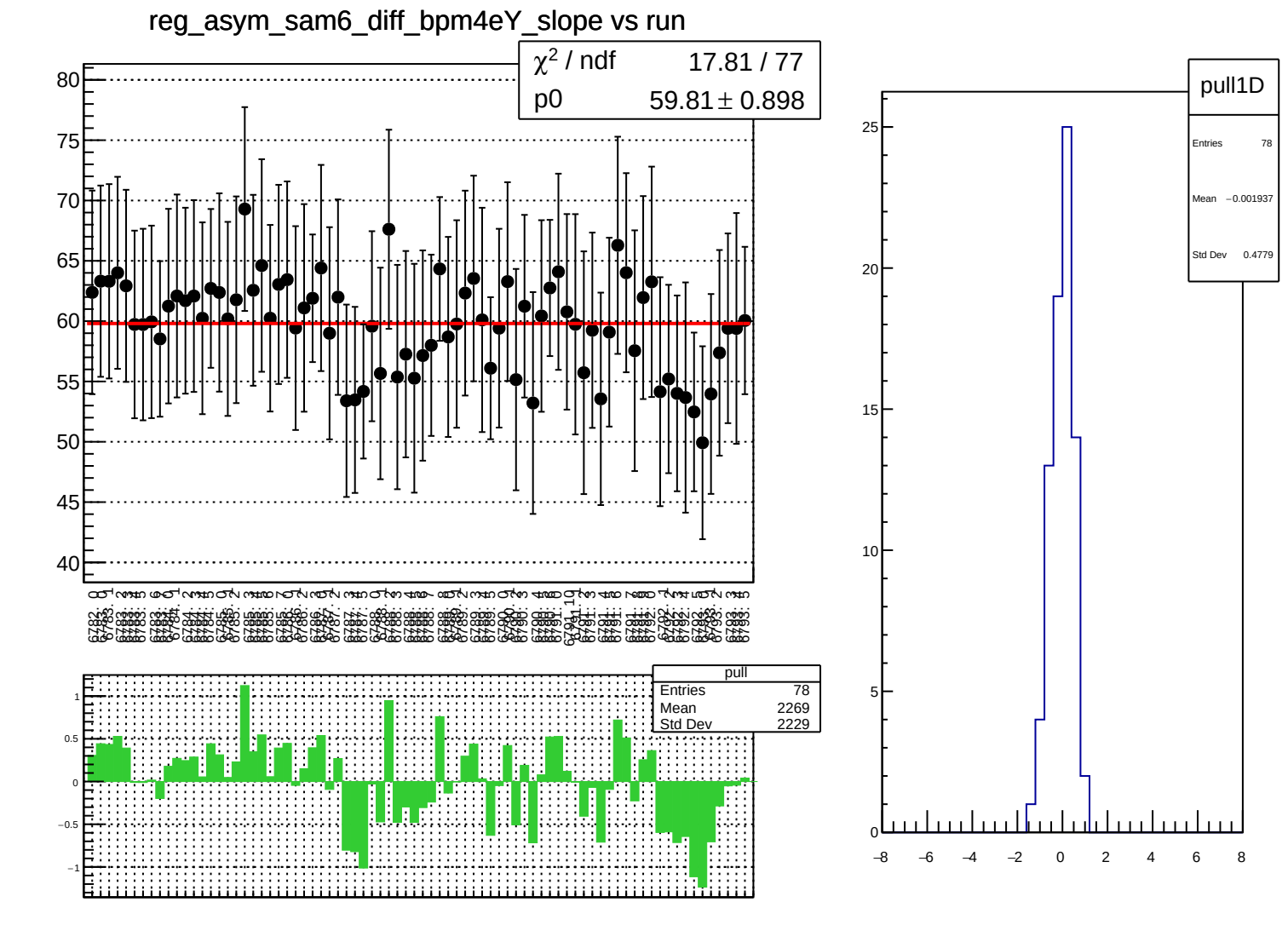

pull1D
Entries 78
Mean −0.004001
Std Dev 0.2834

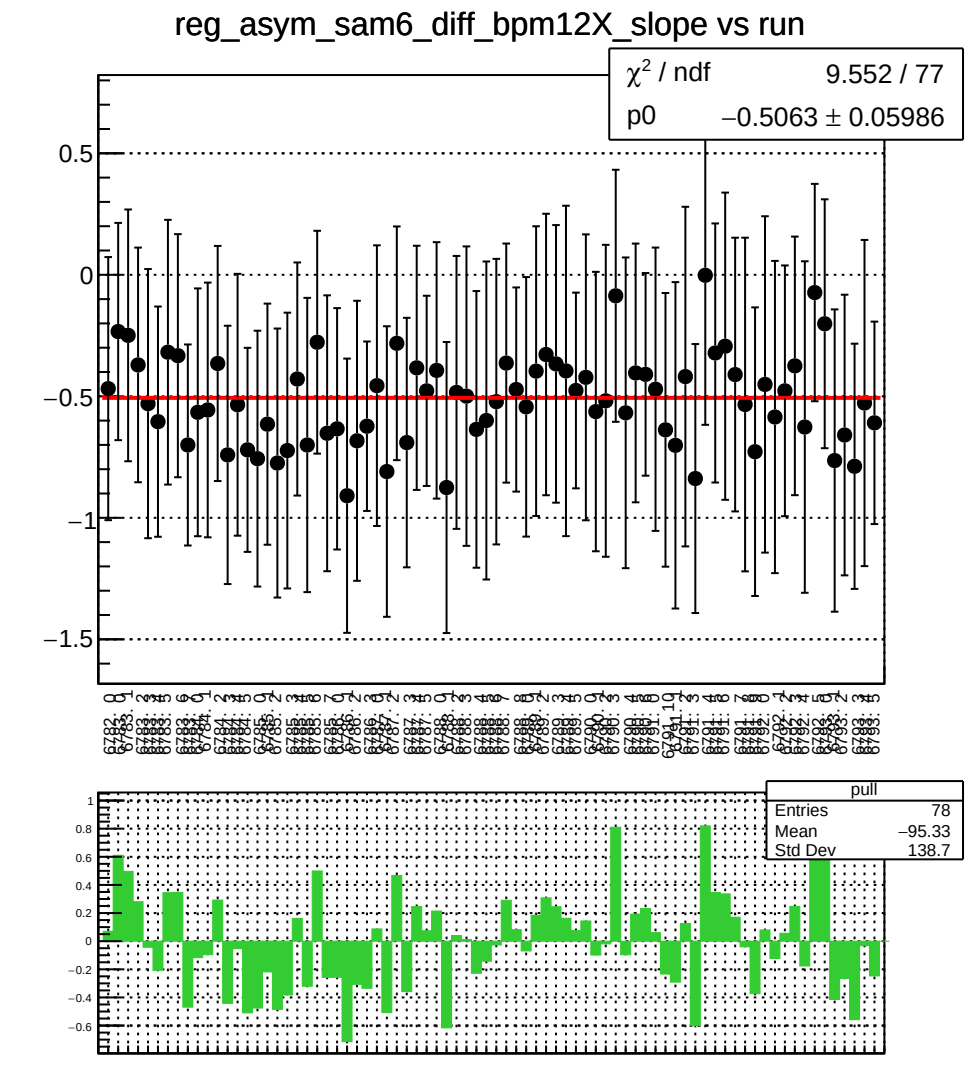

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.574 / 77
p0 28.2 ± 1.368
pull
Entries 78
Mean 855.4
Std Dev 810.6
pull1D
Entries 78
Mean 0.002558
Std Dev 0.214

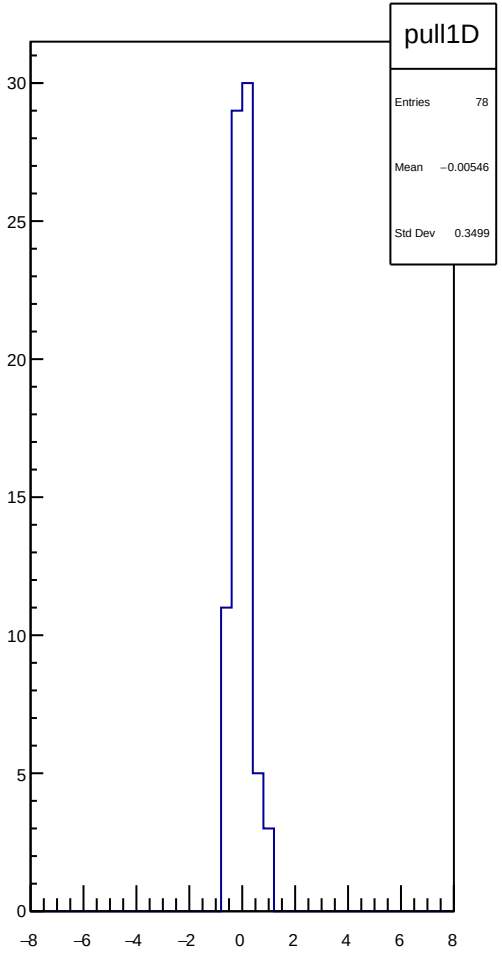

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 16.13 / 77
p0 42.27 ± 0.6555
pull
Entries 78
Mean −2539
Std Dev 2579

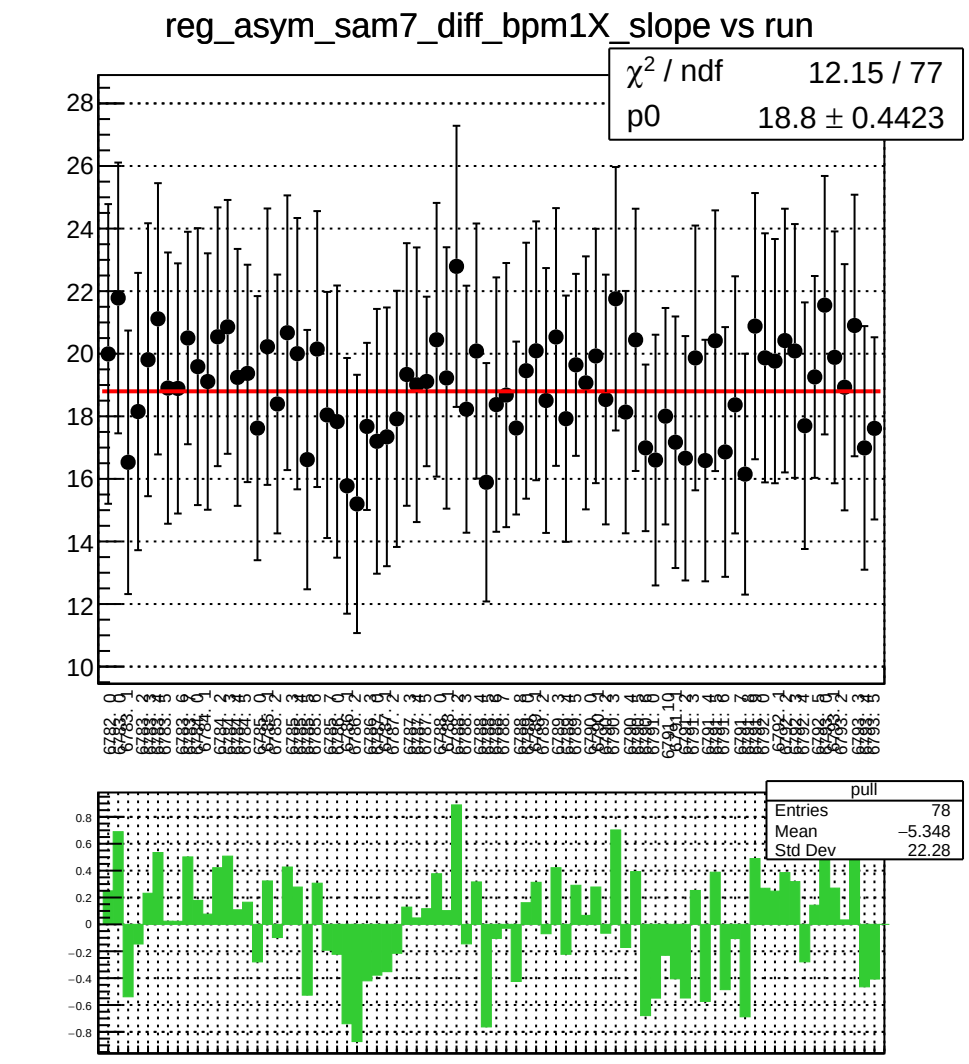

pull1D
Entries 78
Mean −0.002402
Std Dev 0.4548

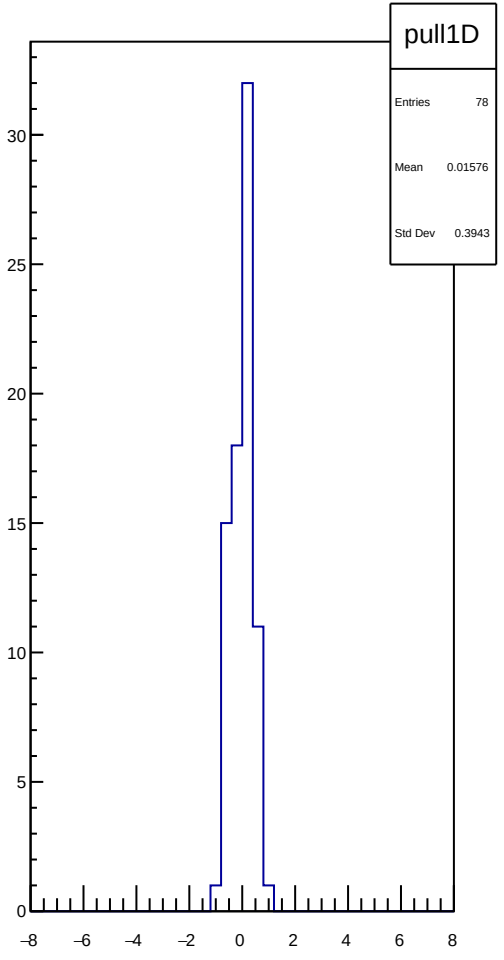

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.072 / 77
p0 40.95 ± 1.278
pull
Entries 78
Mean −93.58
Std Dev 158.2
pull1D
Entries 78
Mean 0.003518
Std Dev 0.2285

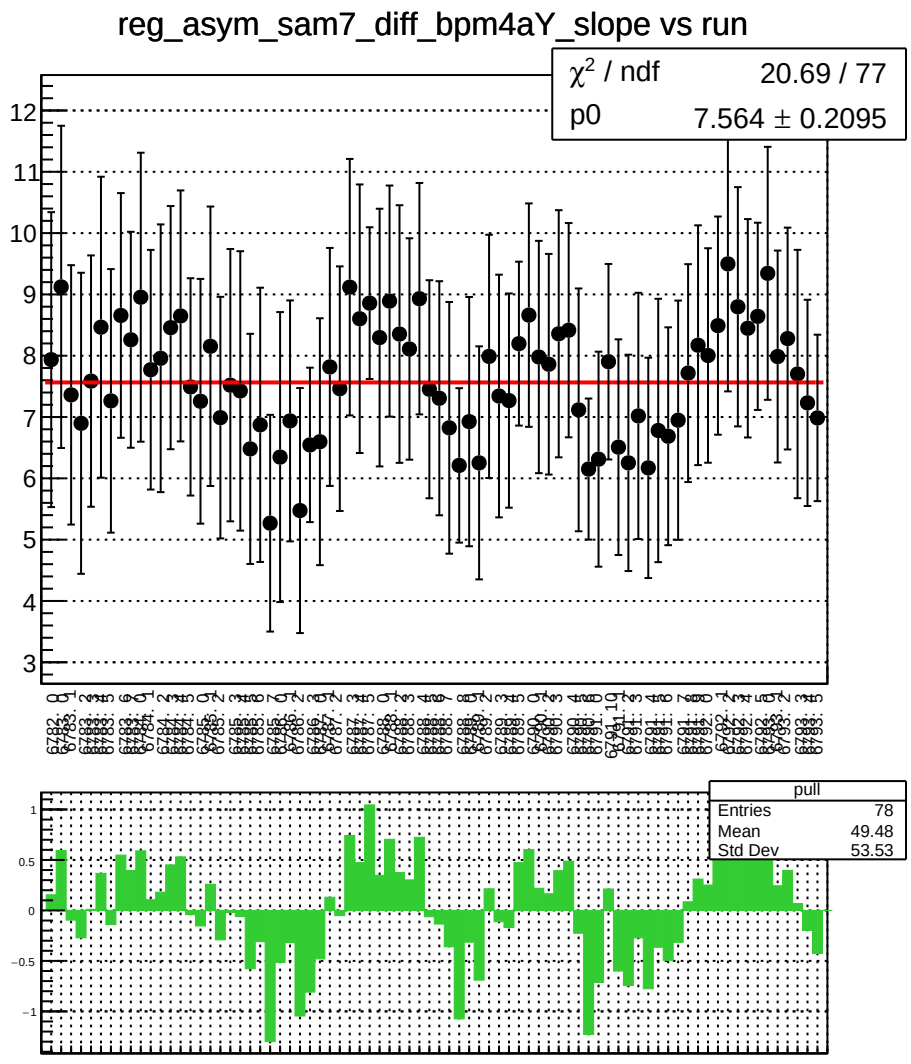

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 17.81 / 77
p0 59.81 ± 0.898
pull
Entries 78
Mean 2269
Std Dev 2229
pull1D
Entries 78
Mean −0.001937
Std Dev 0.4779

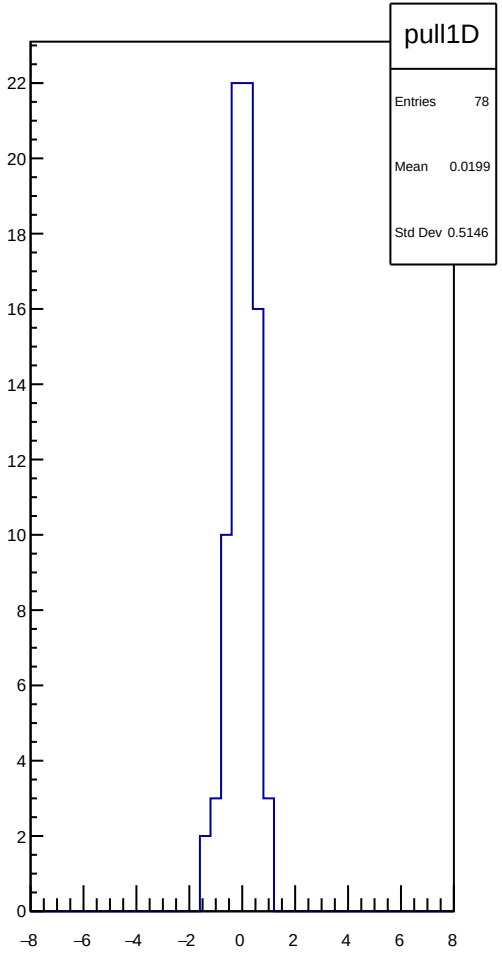

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 9.552 / 77
p0 −0.5063 ± 0.05986
pull
Entries 78
Mean −95.33
Std Dev 138.7

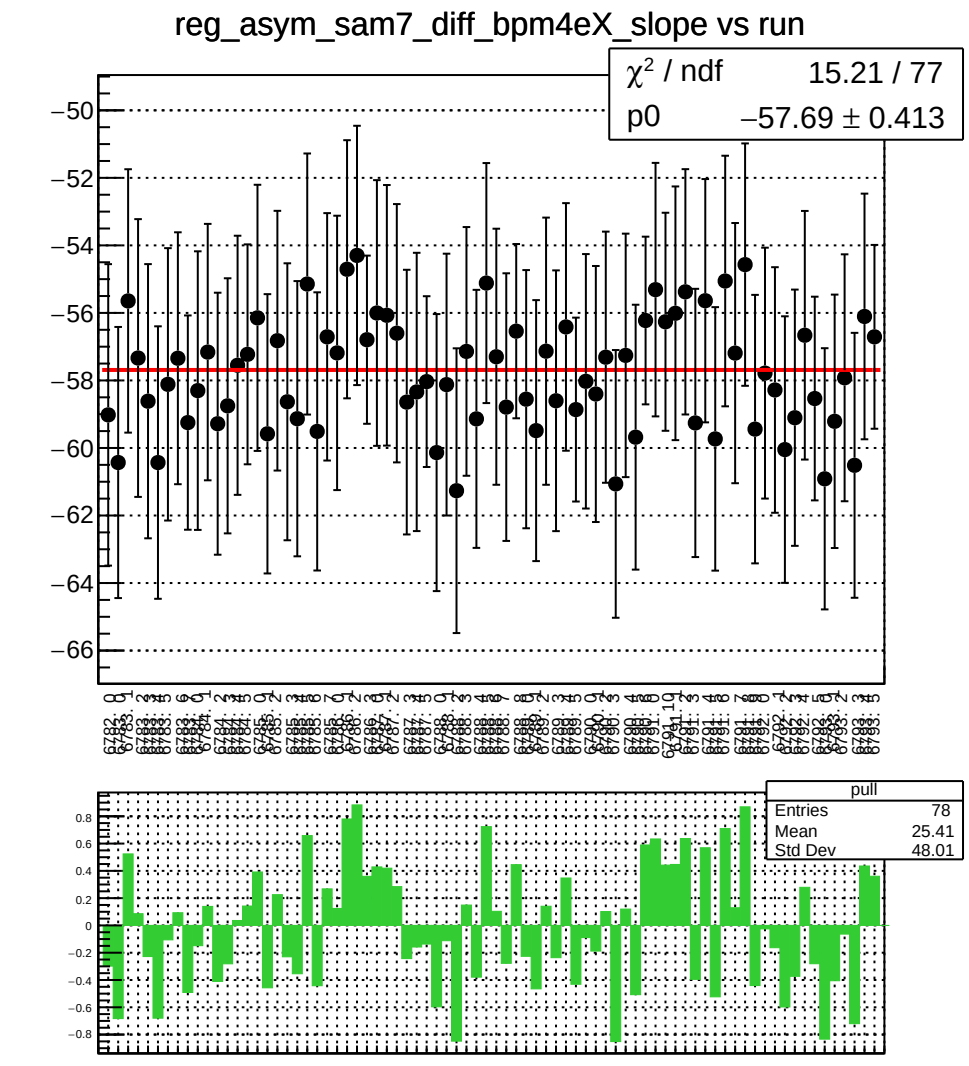

pull1D
Entries 78
Mean −0.00546
Std Dev 0.3499

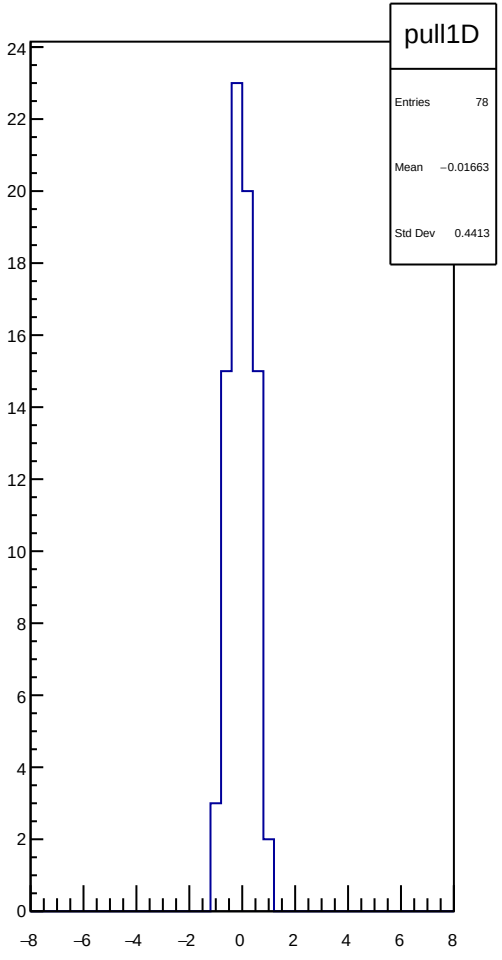

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 12.15 / 77
p0 18.8 ± 0.4423
pull
Entries 78
Mean −5.348
Std Dev 22.28

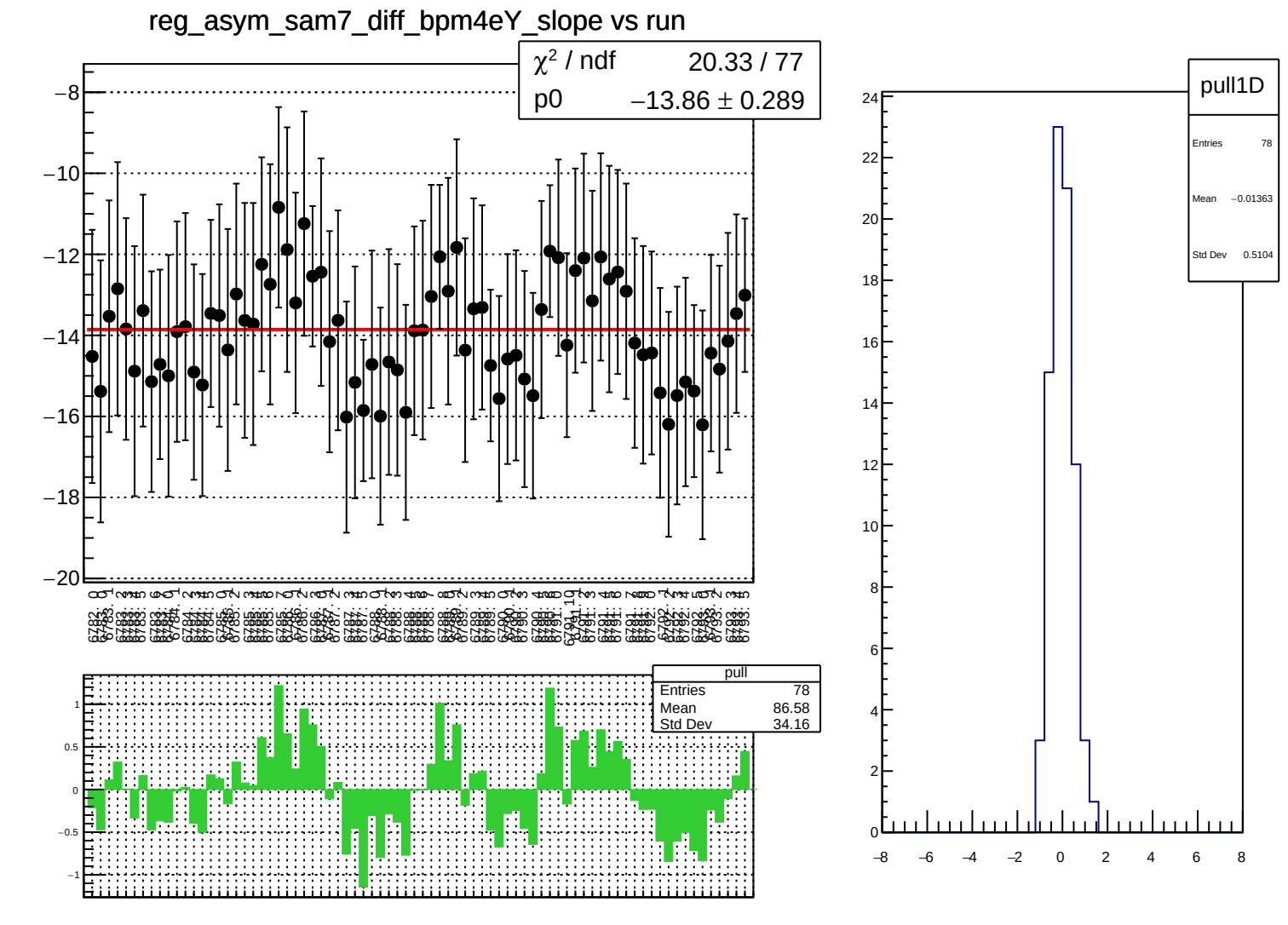

pull1D
Entries 78
Mean 0.01576
Std Dev 0.3943

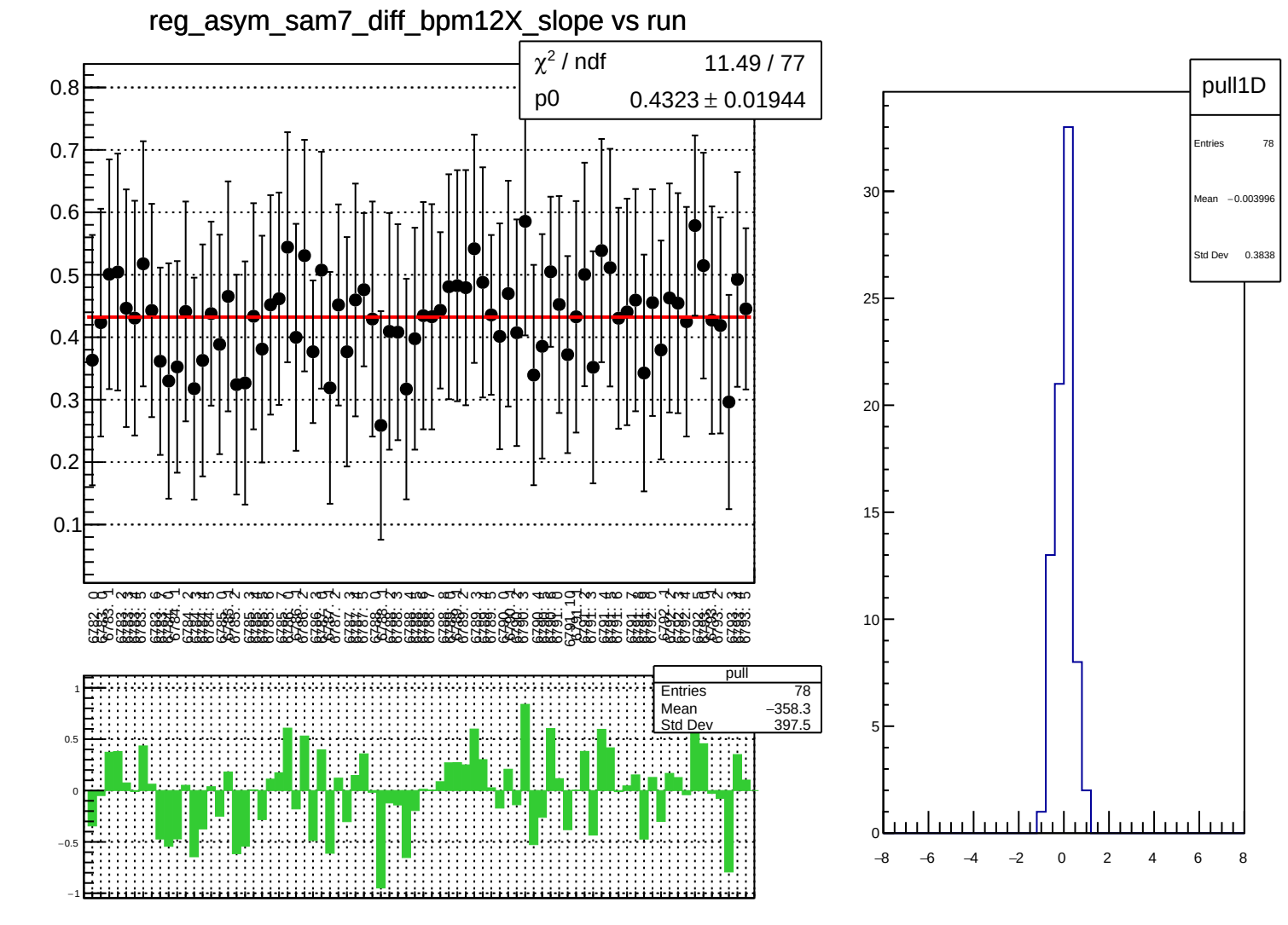

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 20.69 / 77
p0 7.564 ± 0.2095
pull
Entries 78
Mean 49.48
Std Dev 53.53

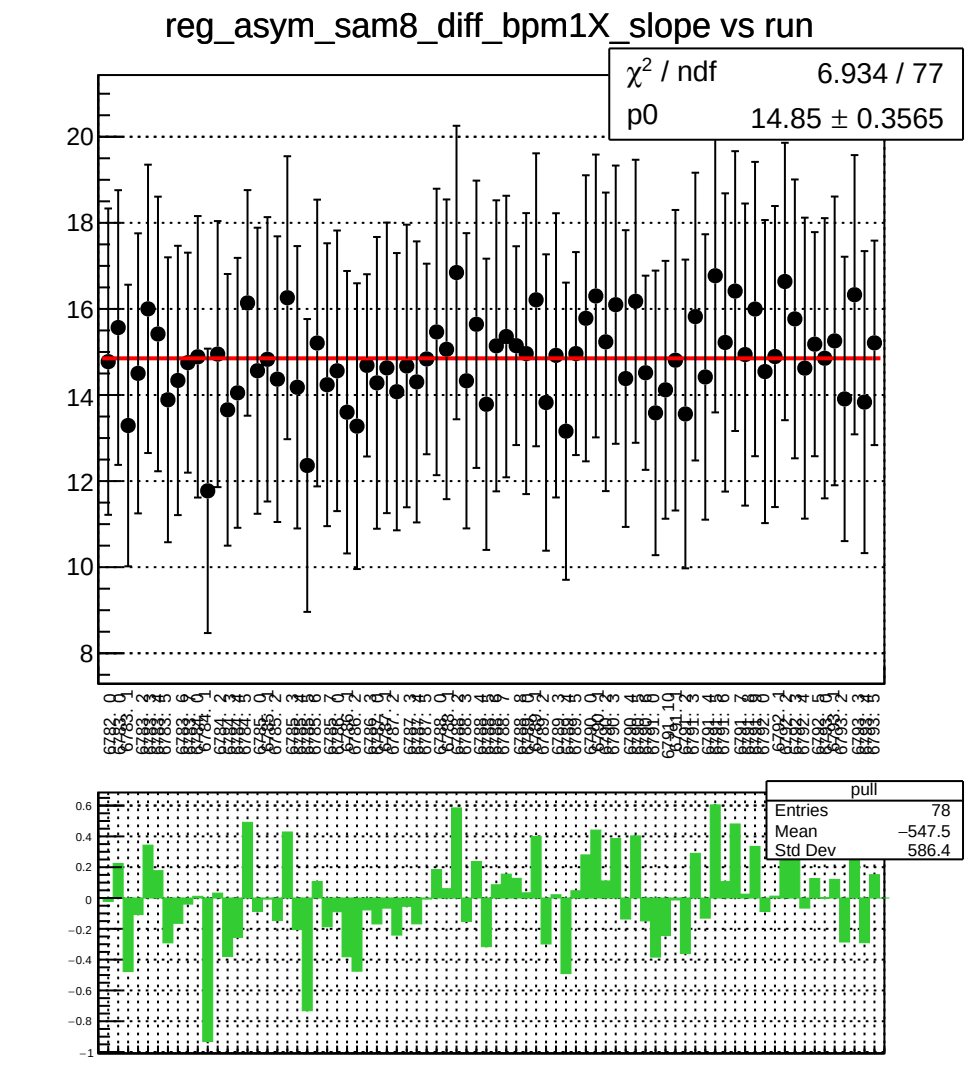

pull1D
Entries 78
Mean 0.0199
Std Dev 0.5146

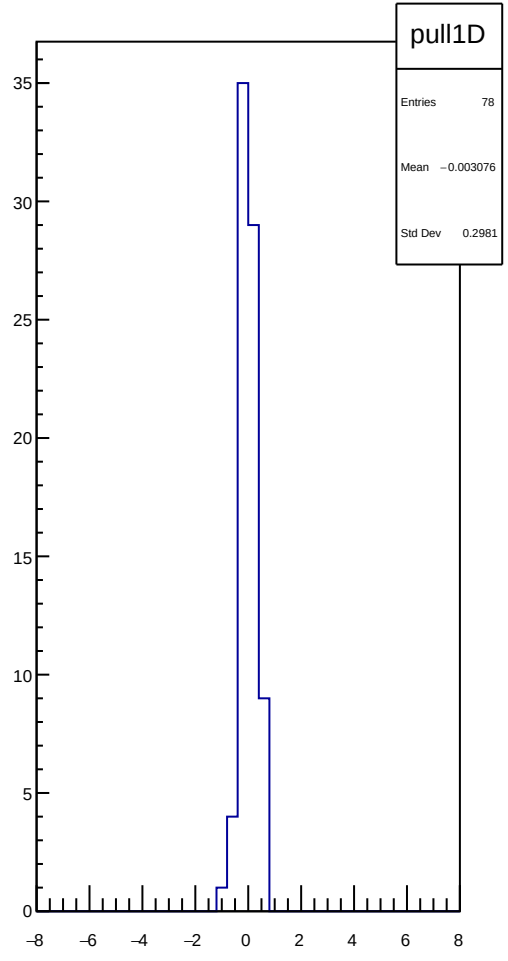

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 15.21 / 77
p0 −57.69 ± 0.413
pull
Entries 78
Mean 25.41
Std Dev 48.01

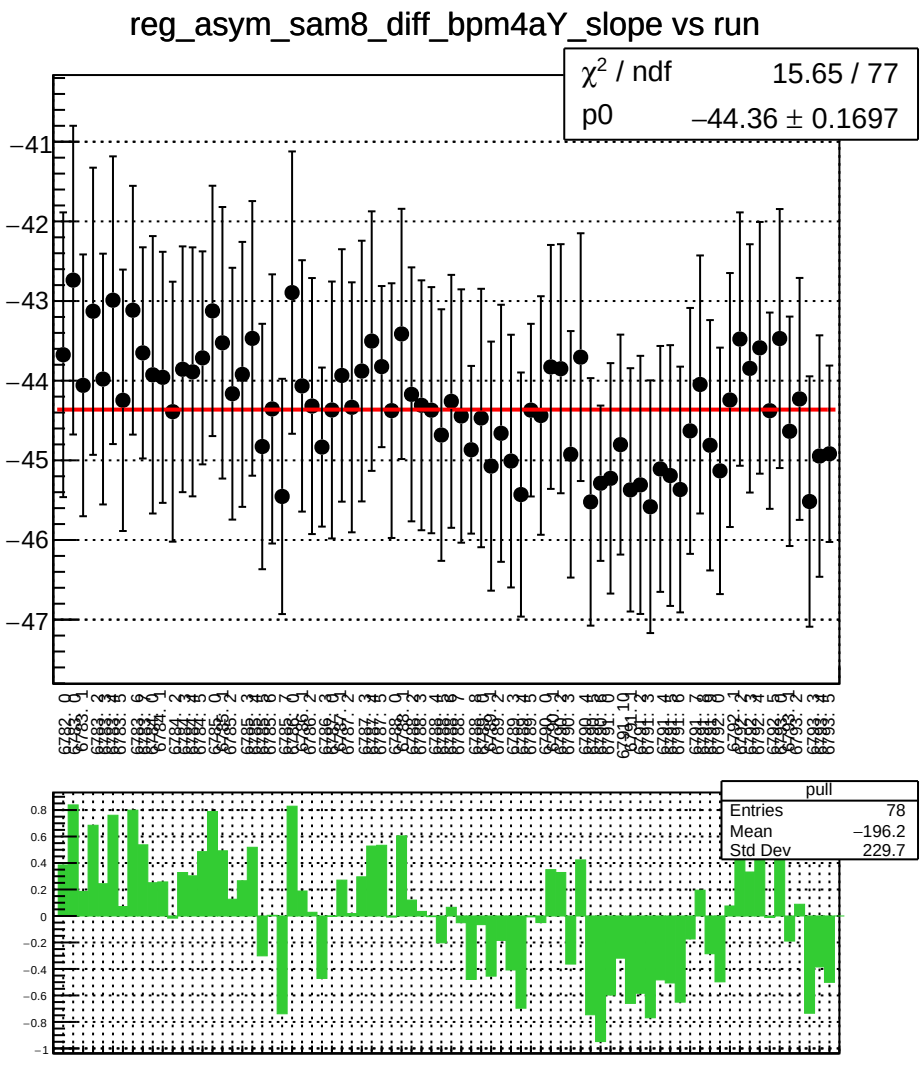

pull1D
Entries 78
Mean −0.01663
Std Dev 0.4413

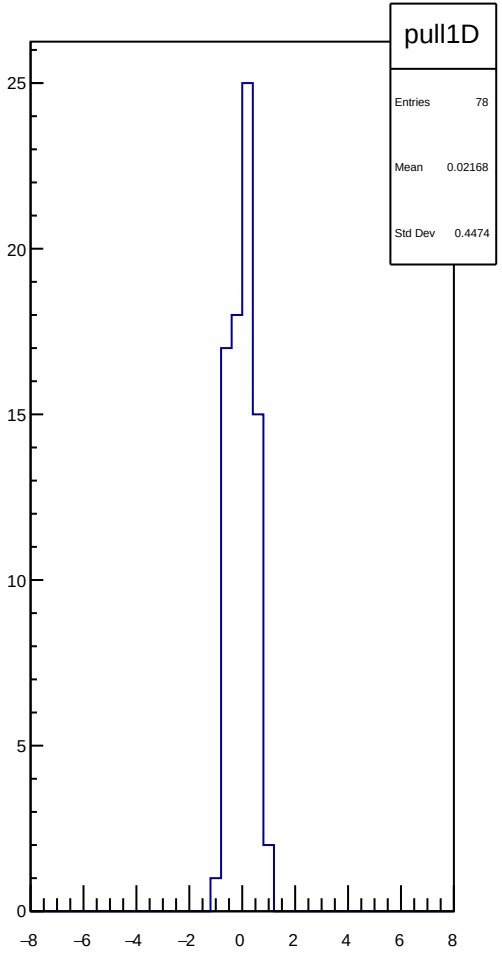

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 20.33 / 77
p0 −13.86 ± 0.289
pull
Entries 78
Mean 86.58
Std Dev 34.16
pull1D
Entries 78
Mean −0.01363
Std Dev 0.5104

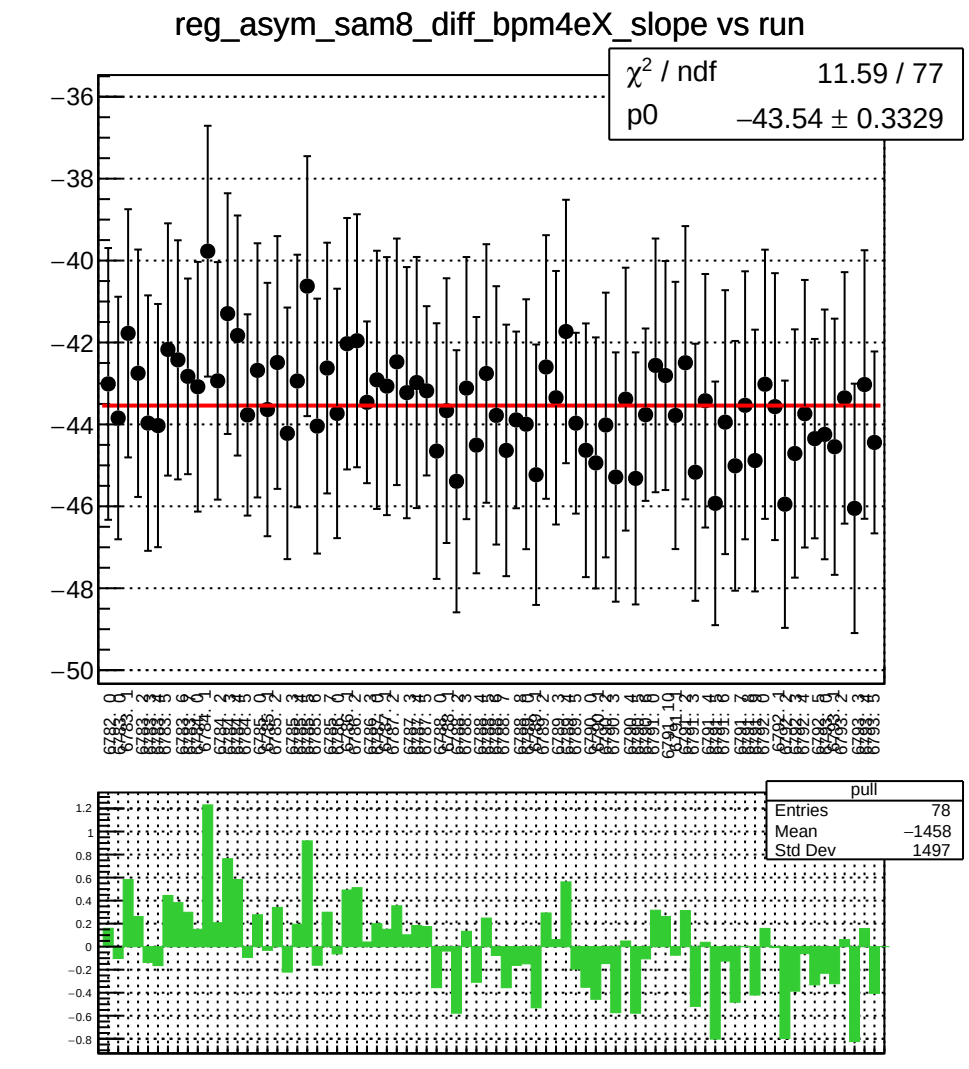

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.49 / 77
p0 0.4323 ± 0.01944
pull
Entries 78
Mean −358.3
Std Dev 397.5
pull1D
Entries 78
Mean −0.003996
Std Dev 0.3838

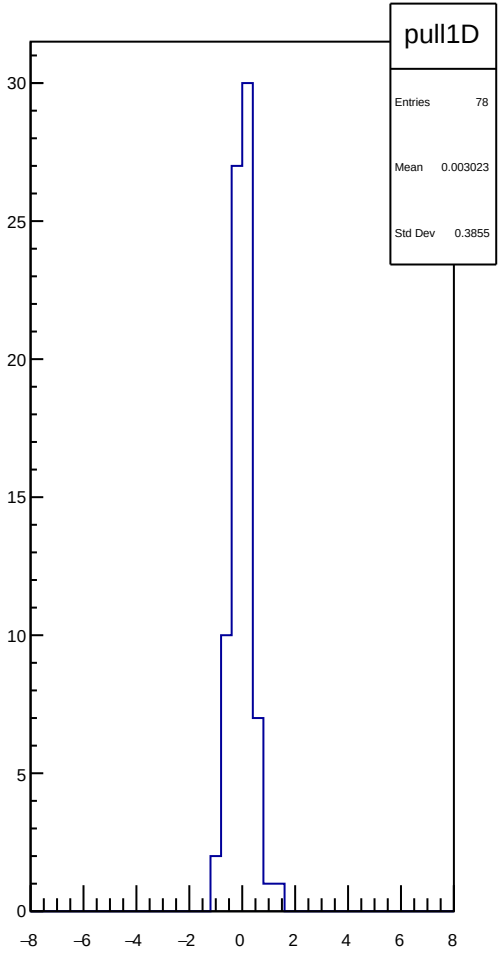

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 6.934 / 77
p0 14.85 ± 0.3565
pull
Entries 78
Mean −547.5
Std Dev 586.4

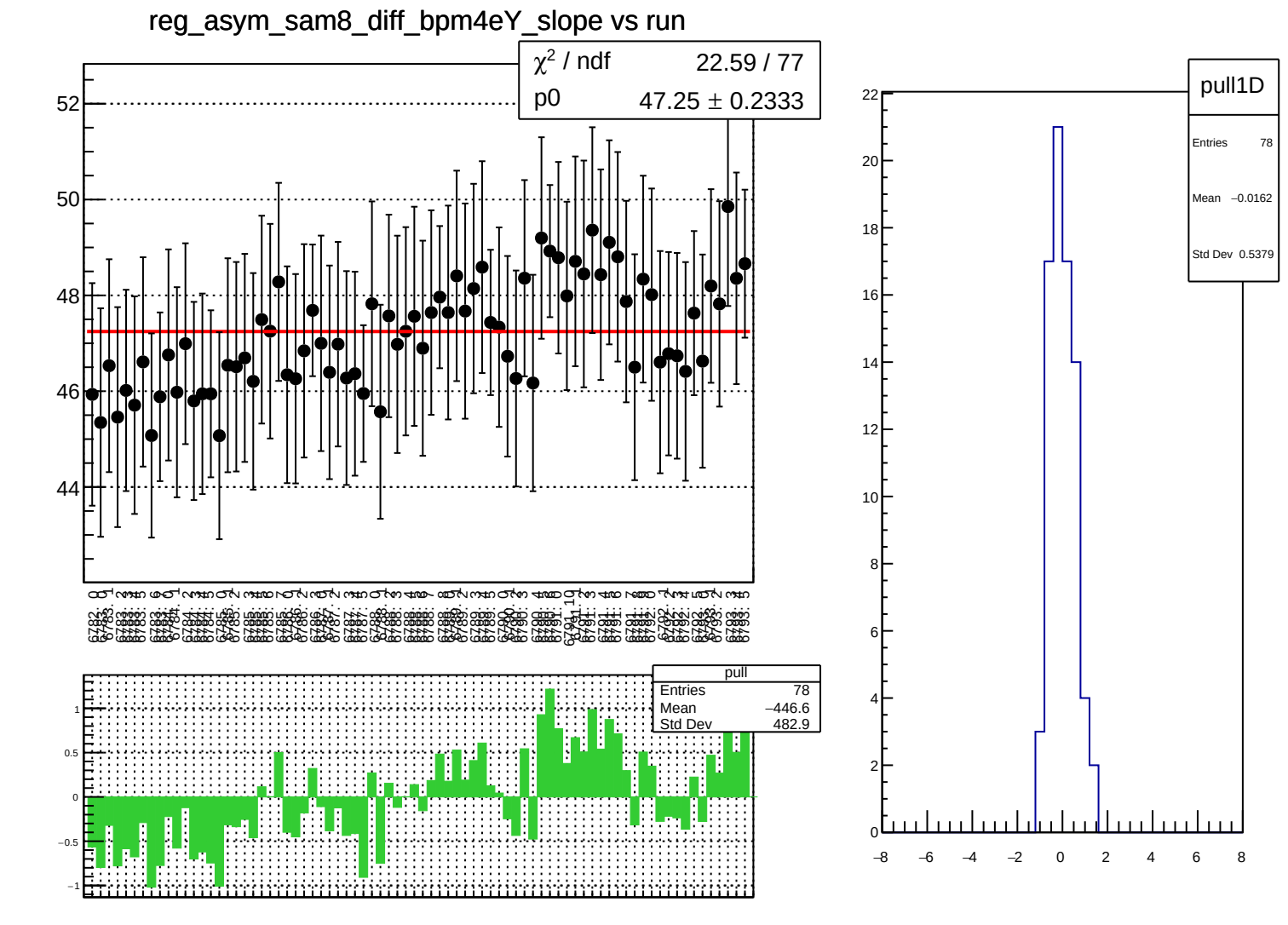

pull1D
Entries 78
Mean −0.003076
Std Dev 0.2981

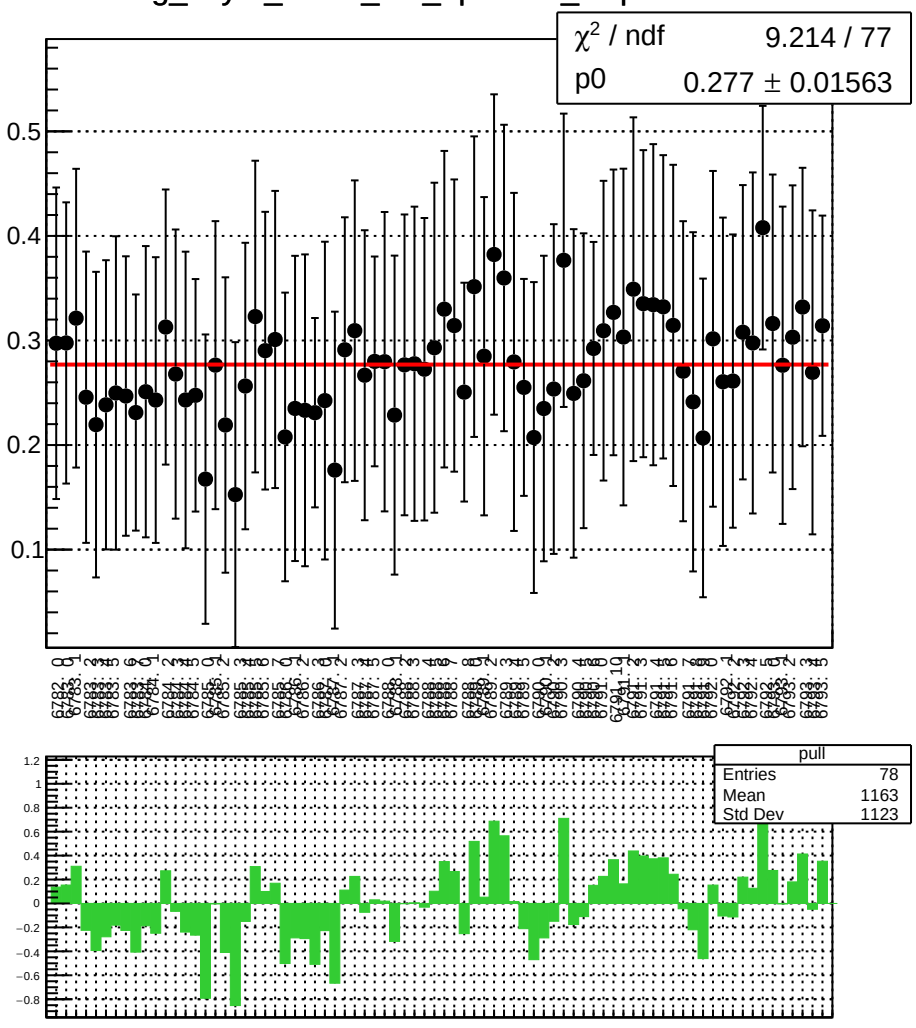

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 15.65 / 77
p0 −44.36 ± 0.1697
pull
Entries 78
Mean −196.2
Std Dev 229.7

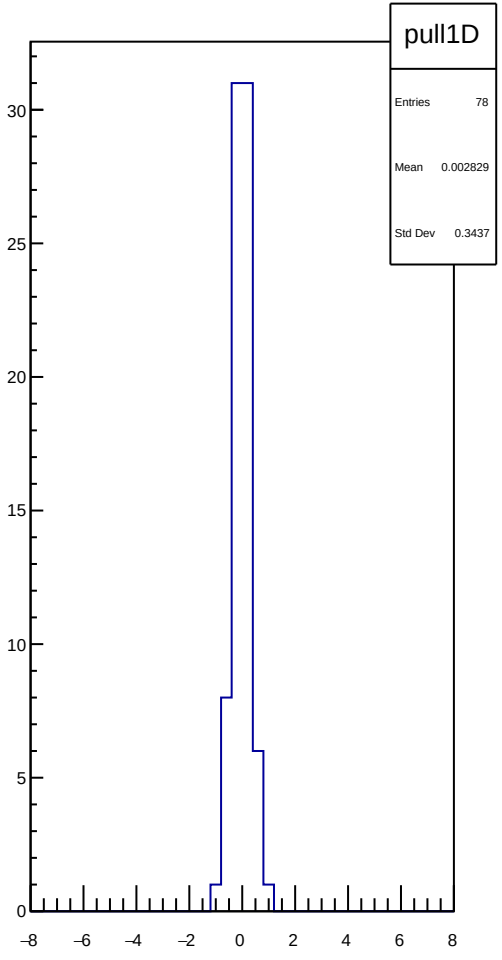

pull1D
Entries 78
Mean 0.02168
Std Dev 0.4474

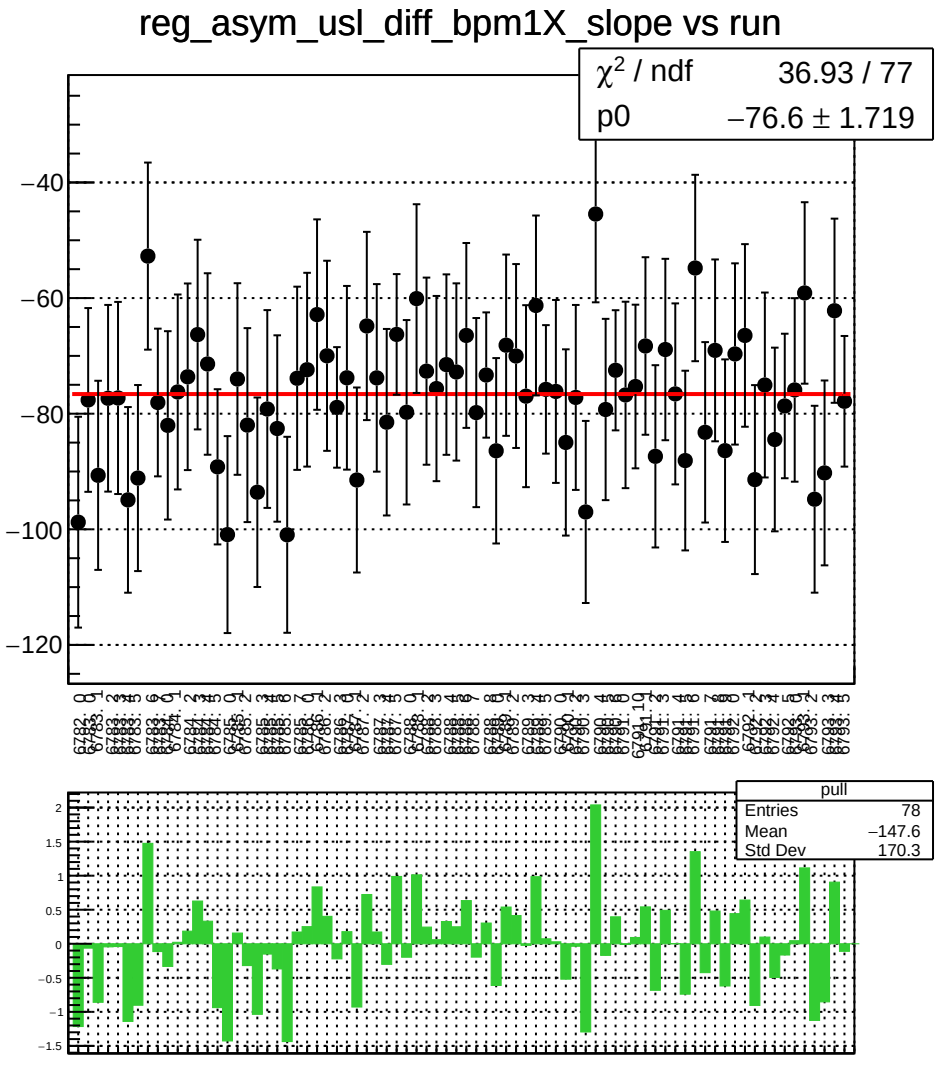

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 11.59 / 77
p0 −43.54 ± 0.3329
pull
Entries 78
Mean −1458
Std Dev 1497

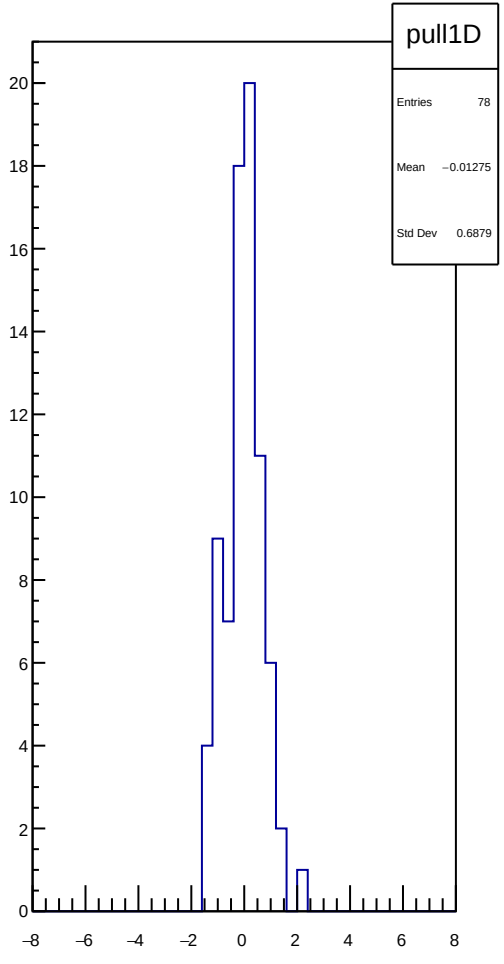

pull1D
Entries 78
Mean 0.003023
Std Dev 0.3855

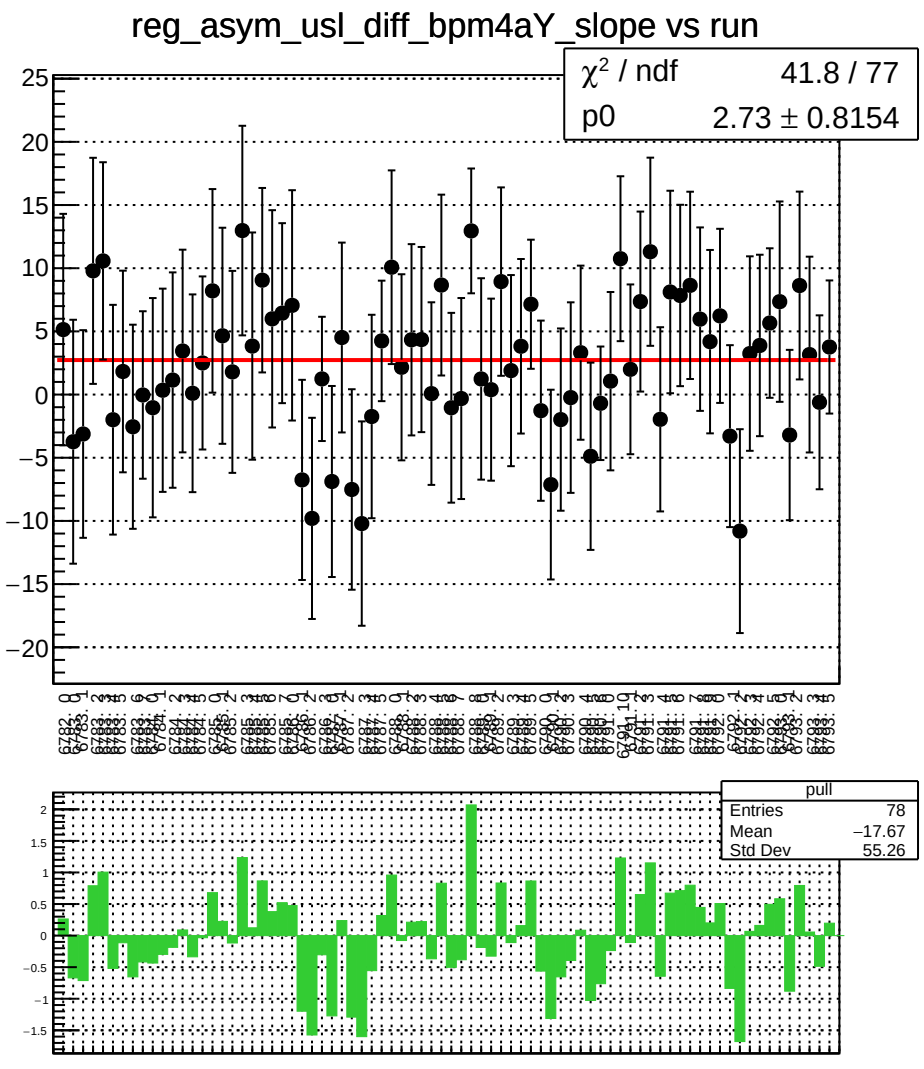

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 22.59 / 77
p0 47.25 ± 0.2333
pull
Entries 78
Mean −446.6
Std Dev 482.9
pull1D
Entries 78
Mean −0.0162
Std Dev 0.5379

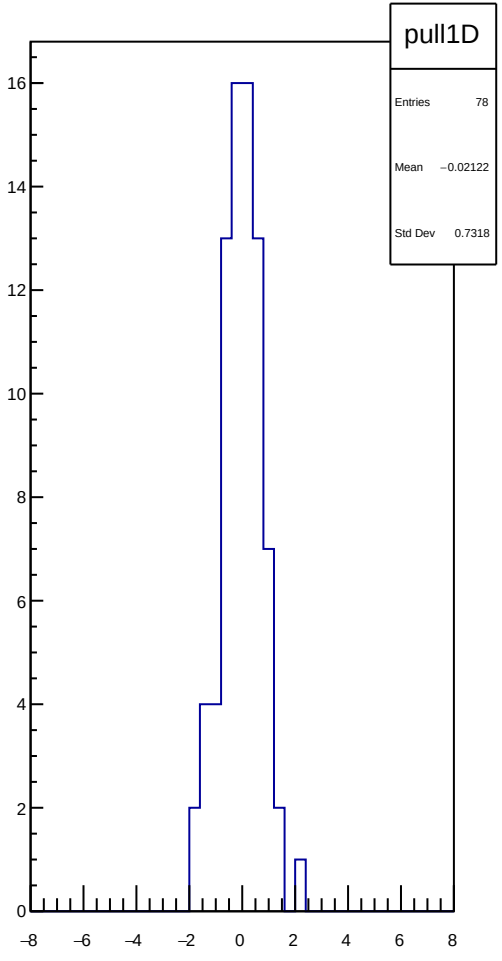

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 9.214 / 77
p0 0.277 ± 0.01563
pull
Entries 78
Mean 1163
Std Dev 1123

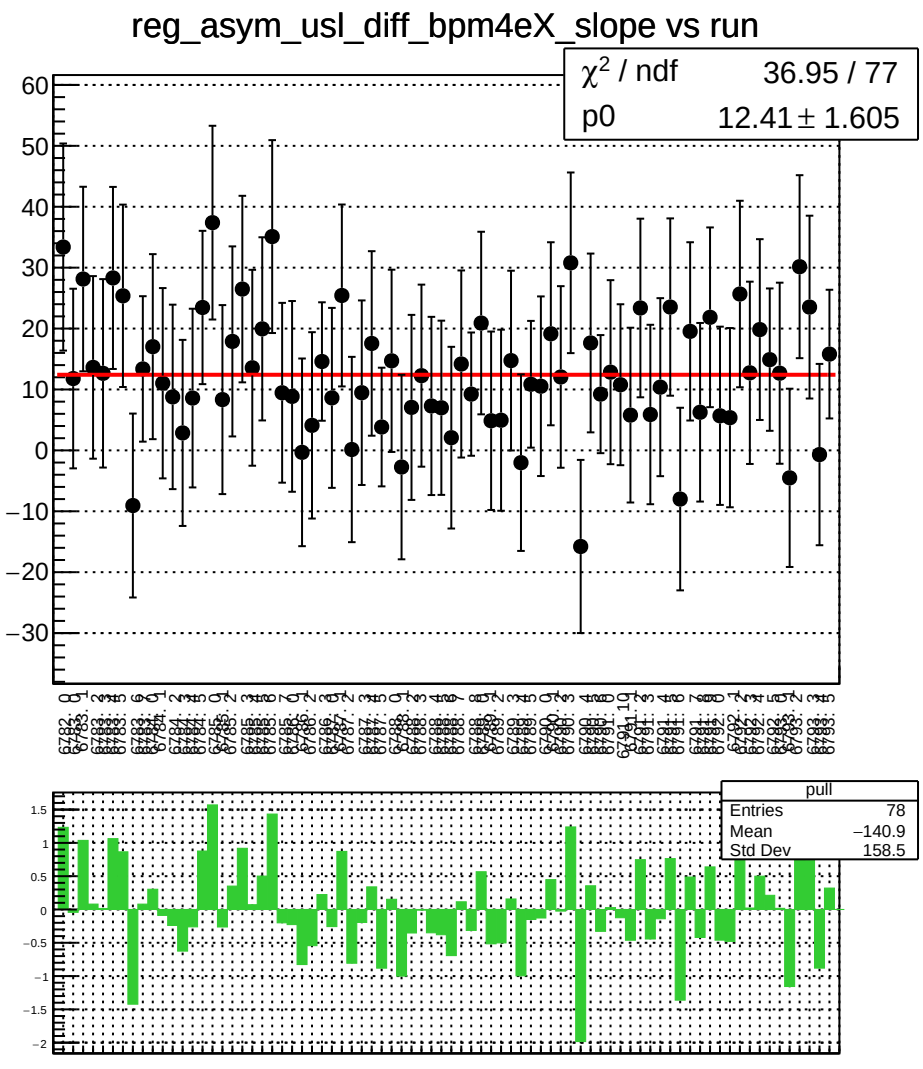

pull1D
Entries 78
Mean 0.002829
Std Dev 0.3437

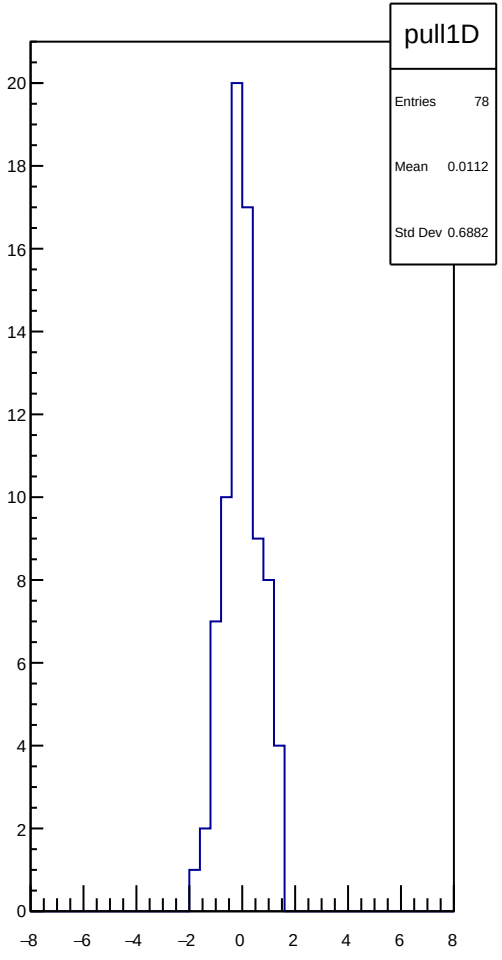

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 36.93 / 77
p0 −76.6 ± 1.719
pull
Entries 78
Mean −147.6
Std Dev 170.3

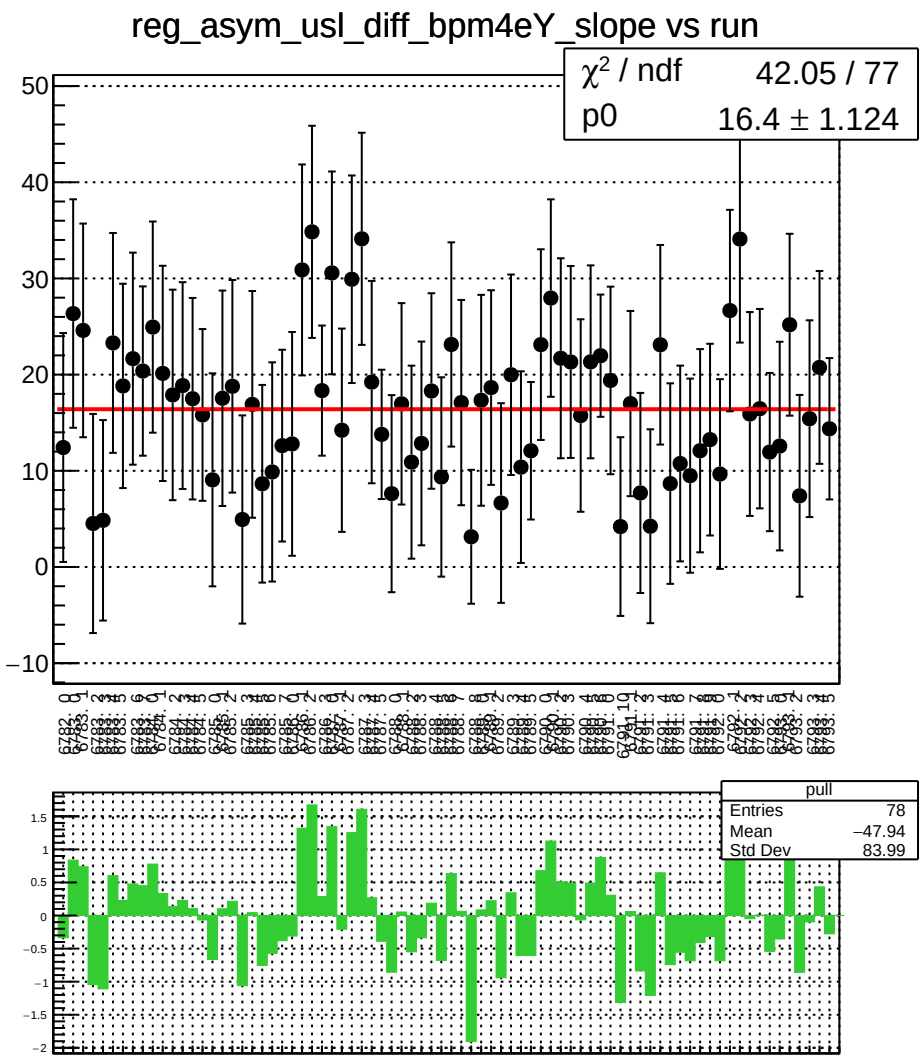

pull1D
Entries 78
Mean −0.01275
Std Dev 0.6879

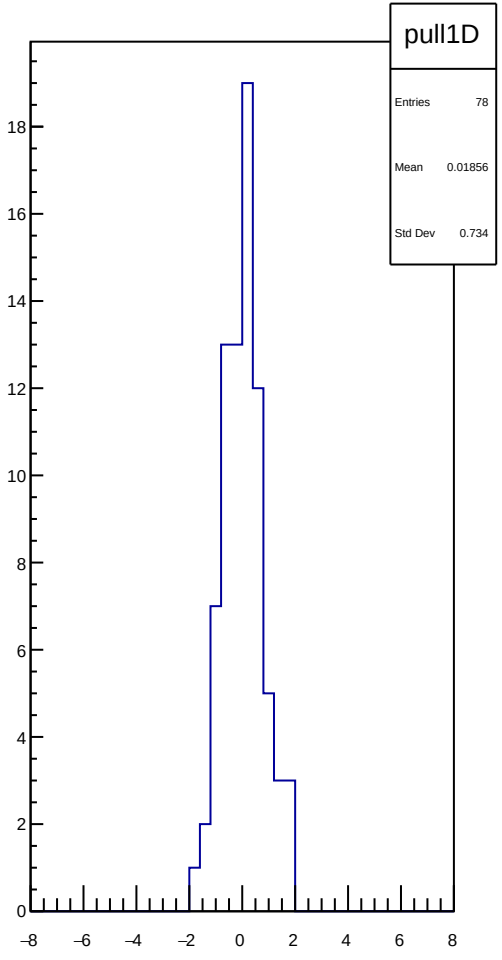

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 41.8 / 77
p0 2.73 ± 0.8154
pull
Entries 78
Mean −17.67
Std Dev 55.26

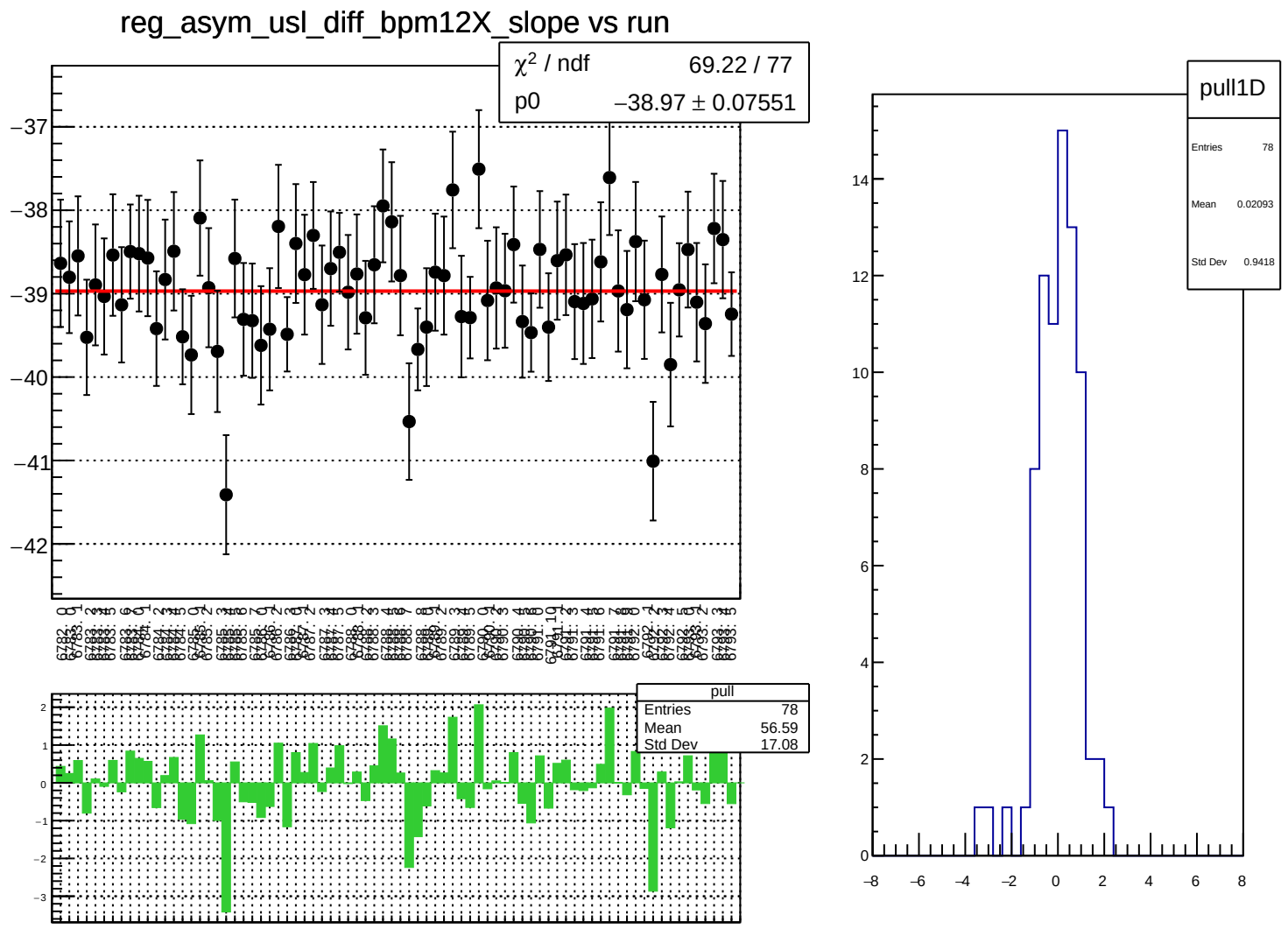

pull1D
Entries 78
Mean −0.02122
Std Dev 0.7318

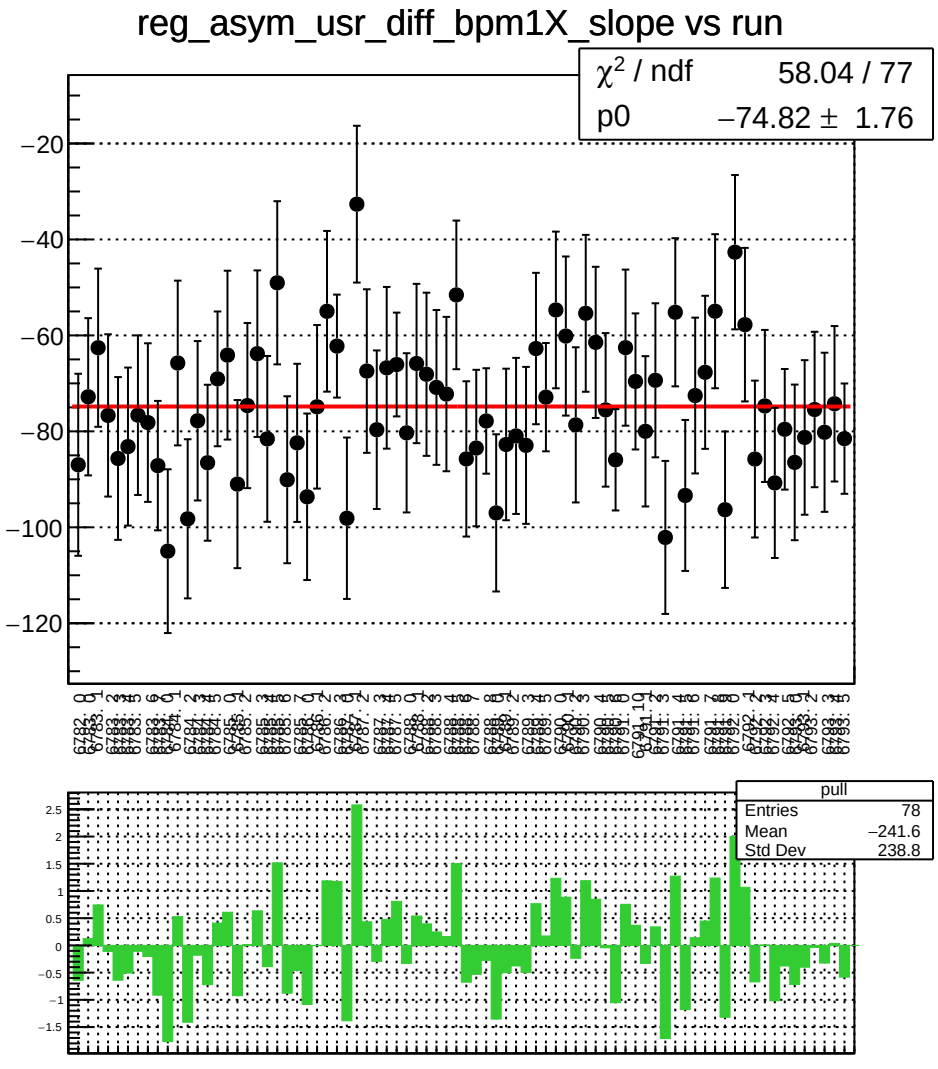

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 36.95 / 77
p0 12.41 ± 1.605
pull
Entries 78
Mean −140.9
Std Dev 158.5

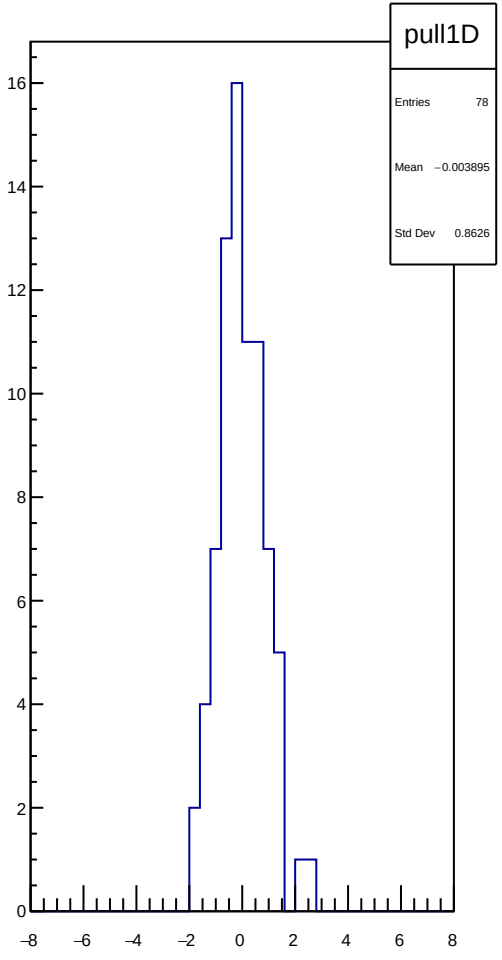

pull1D
Entries 78
Mean 0.0112
Std Dev 0.6882

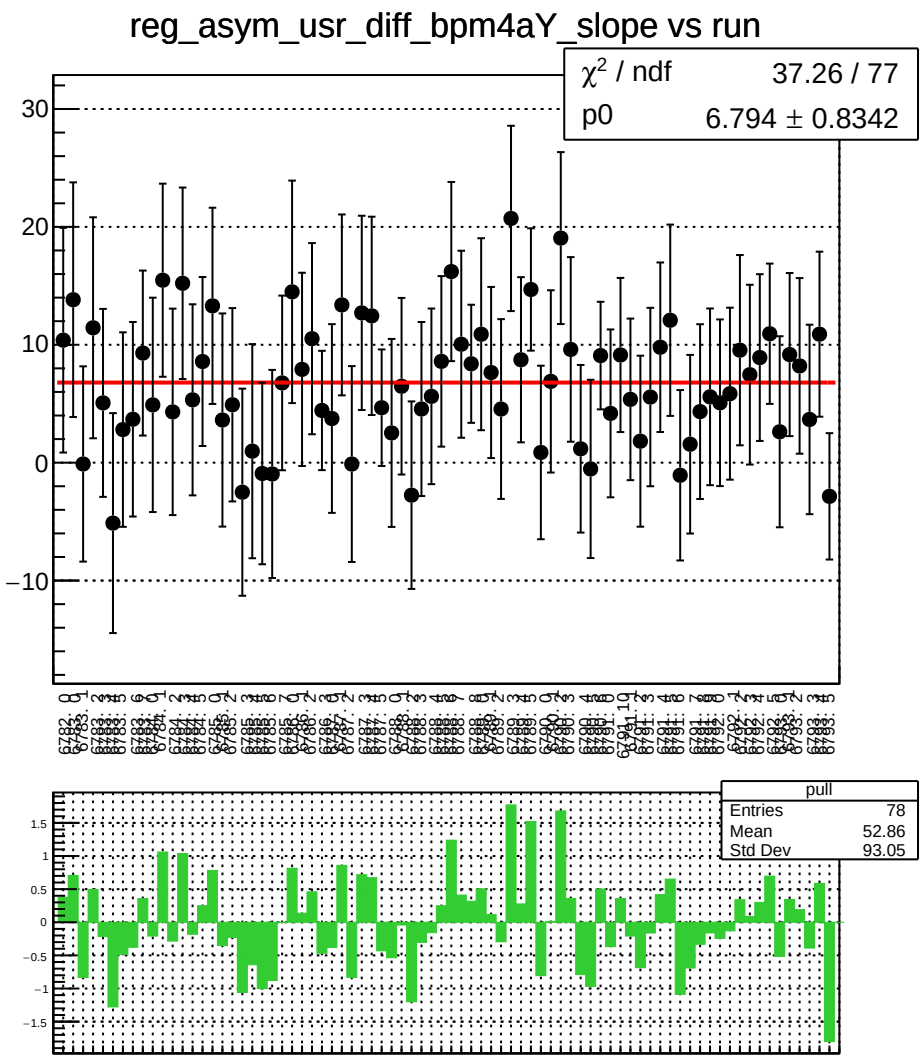

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 42.05 / 77
p0 16.4 ± 1.124
pull
Entries 78
Mean −47.94
Std Dev 83.99

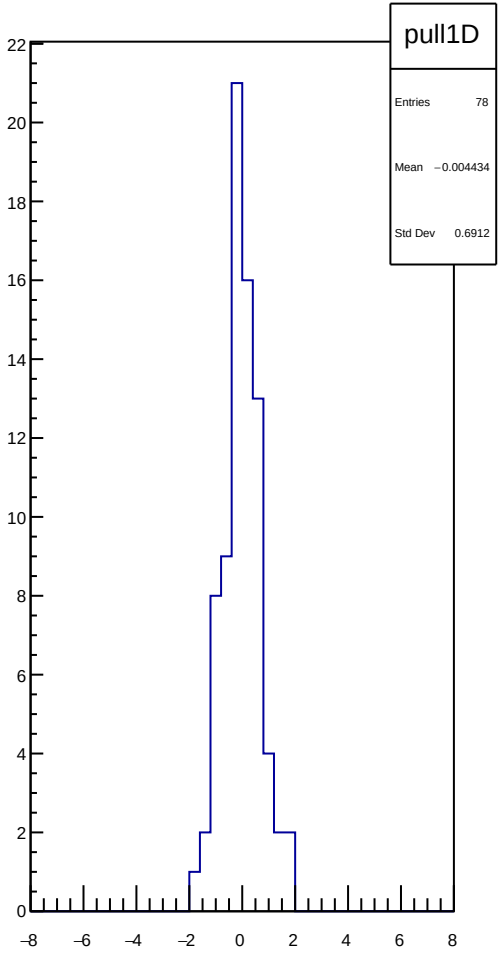

pull1D
Entries 78
Mean 0.01856
Std Dev 0.734

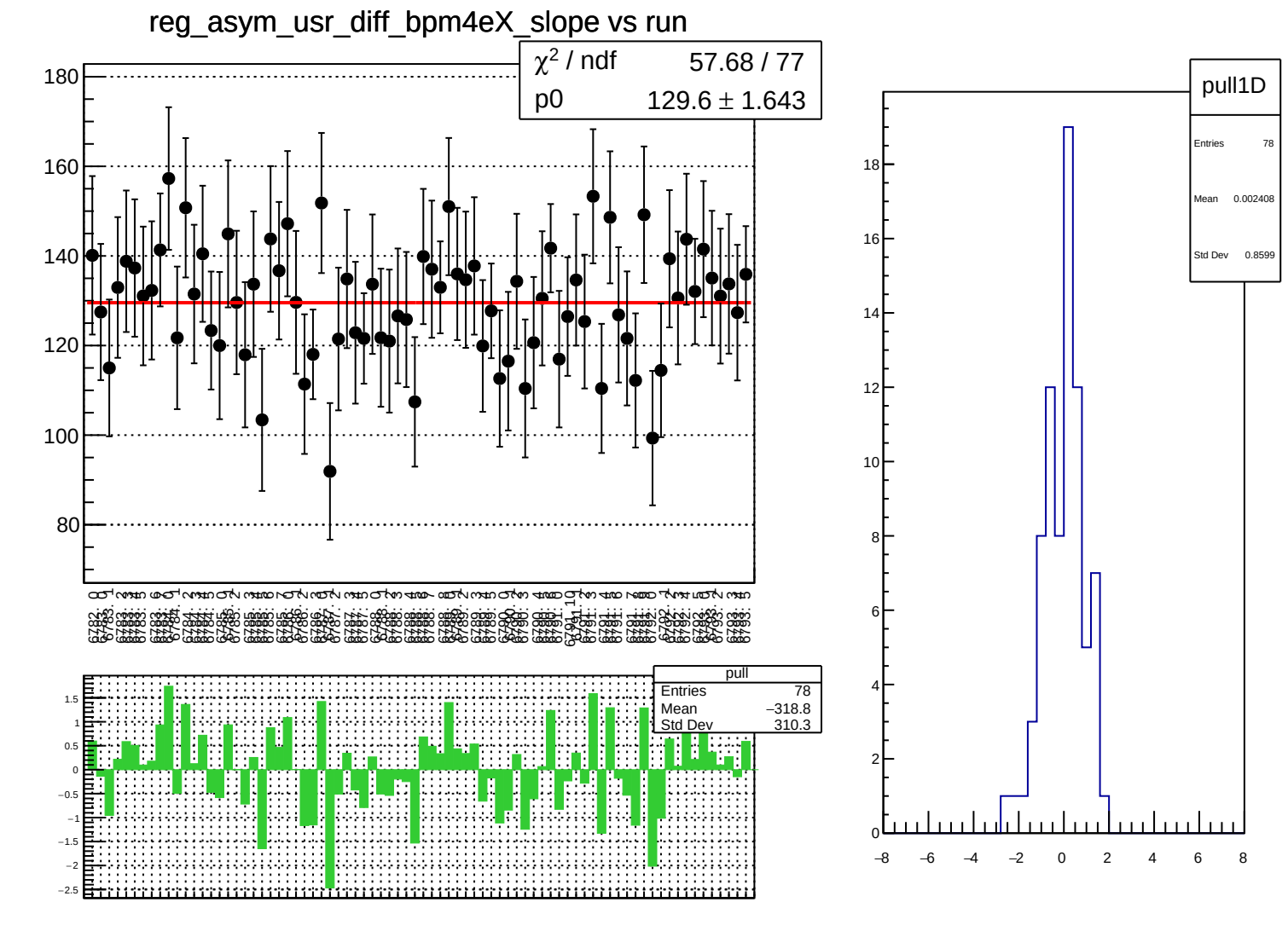

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 69.22 / 77
p0 −38.97 ± 0.07551
pull
Entries 78
Mean 56.59
Std Dev 17.08
pull1D
Entries 78
Mean 0.02093
Std Dev 0.9418

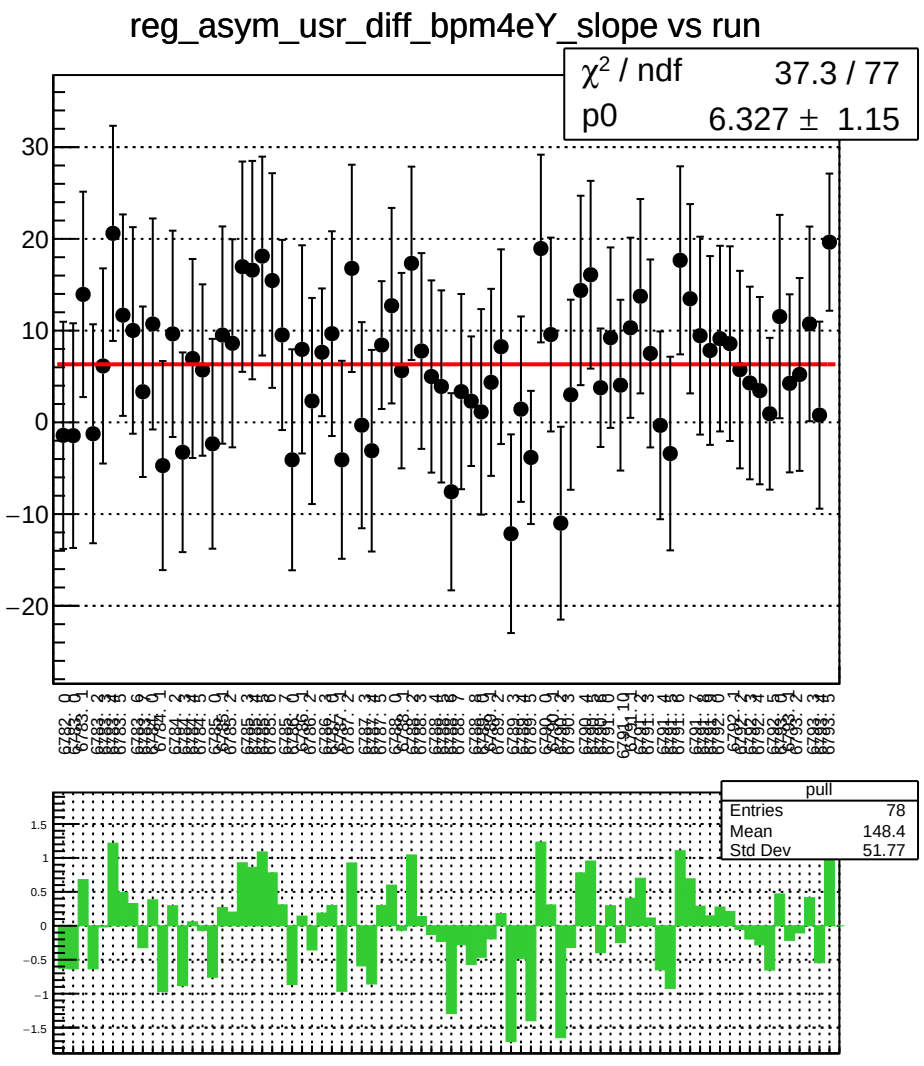

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 58.04 / 77
p0 −74.82 ± 1.76
pull
Entries 78
Mean −241.6
Std Dev 238.8

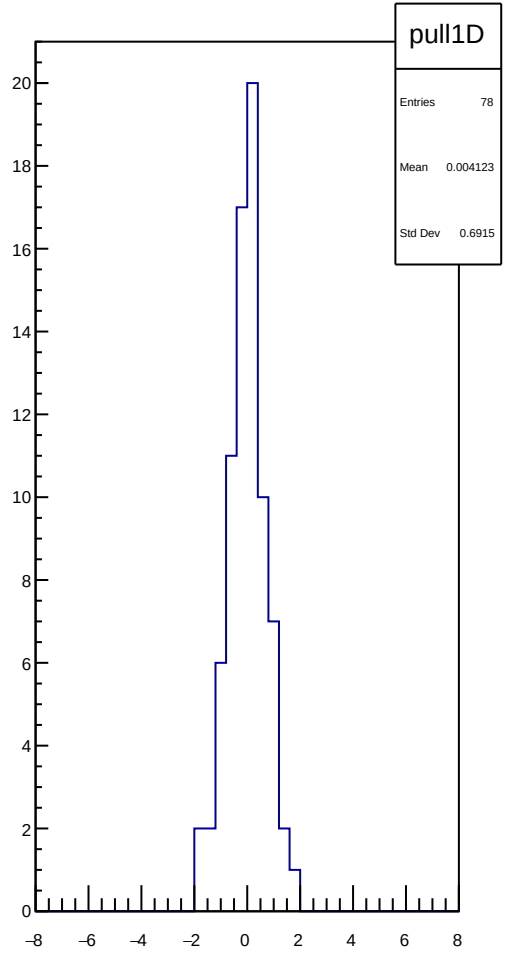

pull1D
Entries 78
Mean −0.003895
Std Dev 0.8626

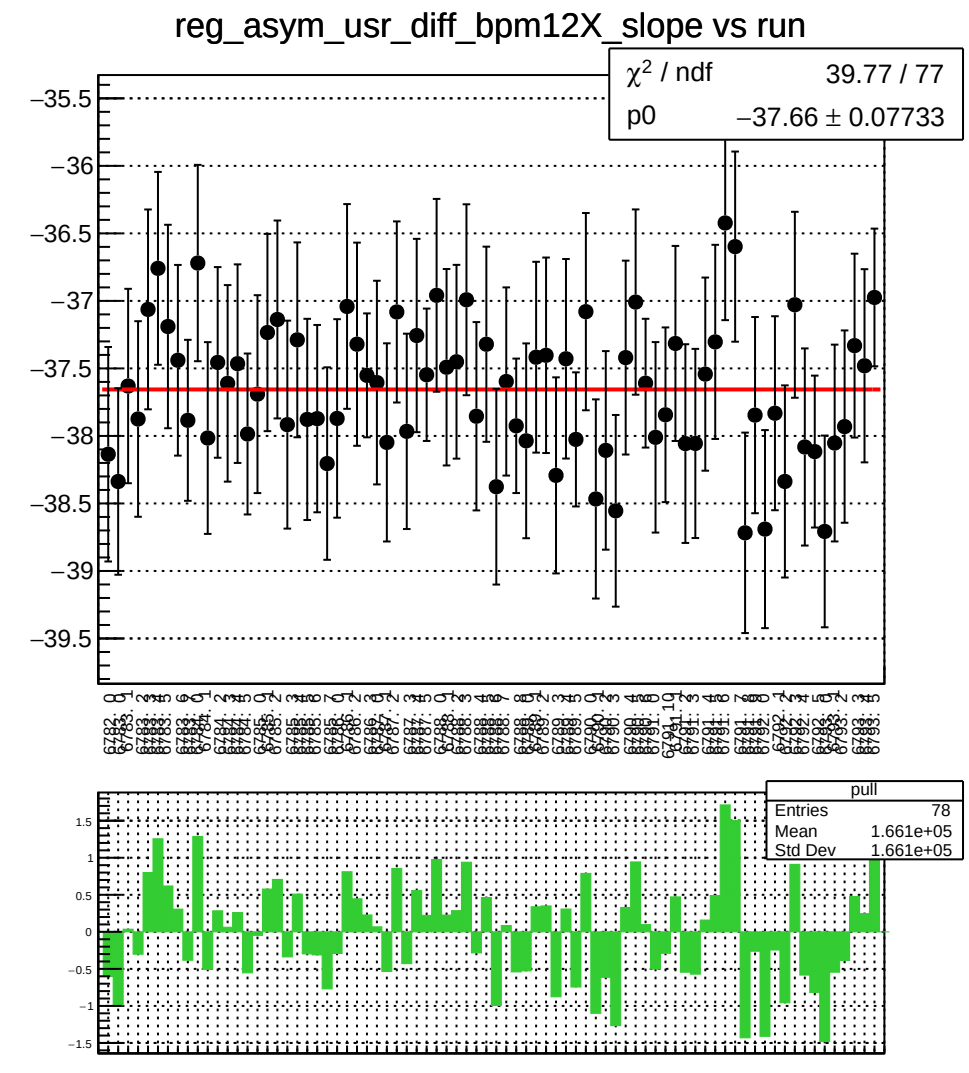

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 37.26 / 77
p0 6.794 ± 0.8342
pull
Entries 78
Mean 52.86
Std Dev 93.05

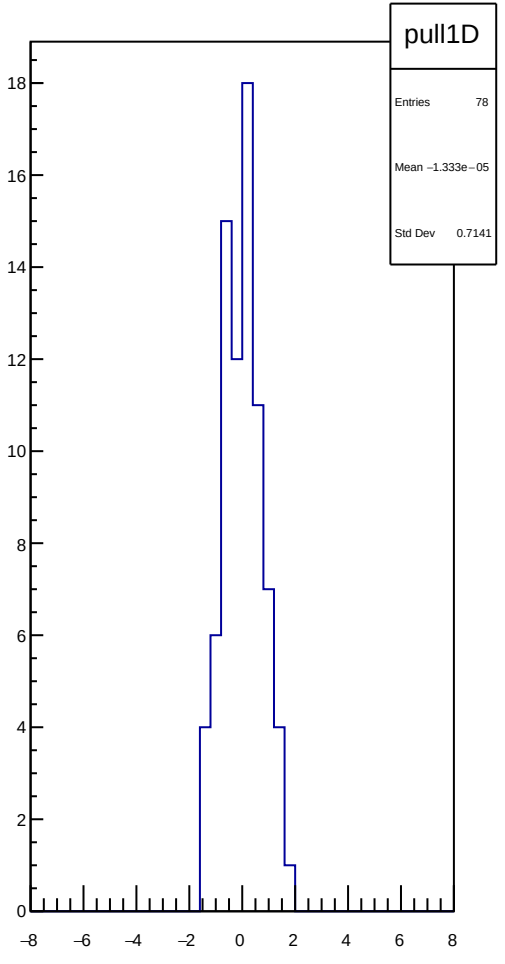

pull1D
Entries 78
Mean −0.004434
Std Dev 0.6912

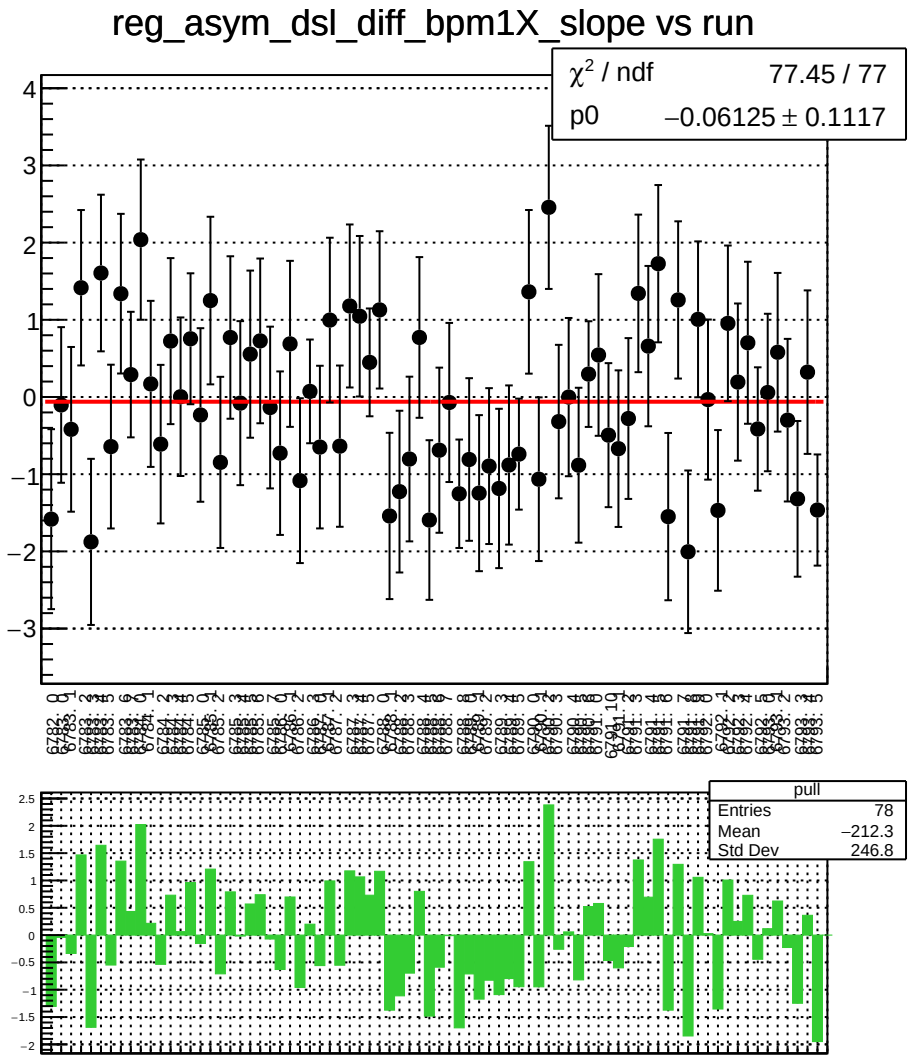

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 57.68 / 77
p0 129.6 ± 1.643
pull
Entries 78
Mean −318.8
Std Dev 310.3
pull1D
Entries 78
Mean 0.002408
Std Dev 0.8599

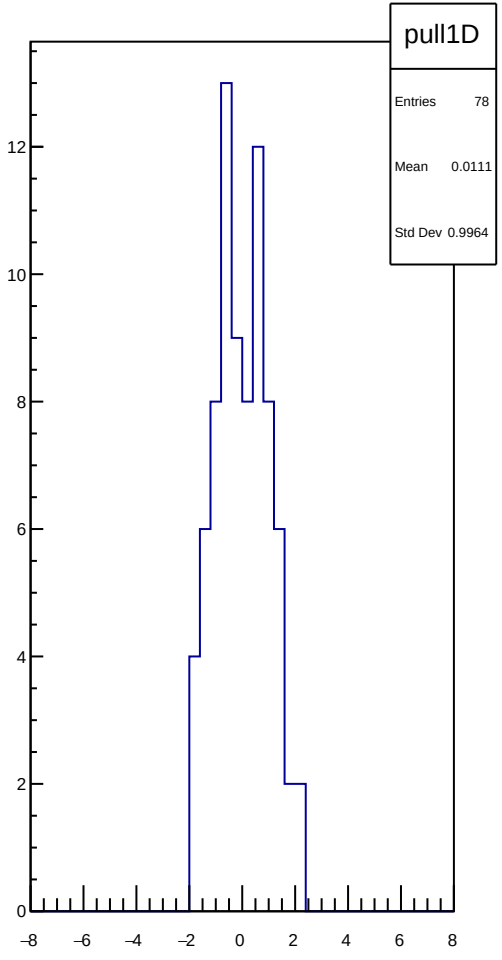

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 37.3 / 77
p0 6.327 ± 1.15
pull
Entries 78
Mean 148.4
Std Dev 51.77

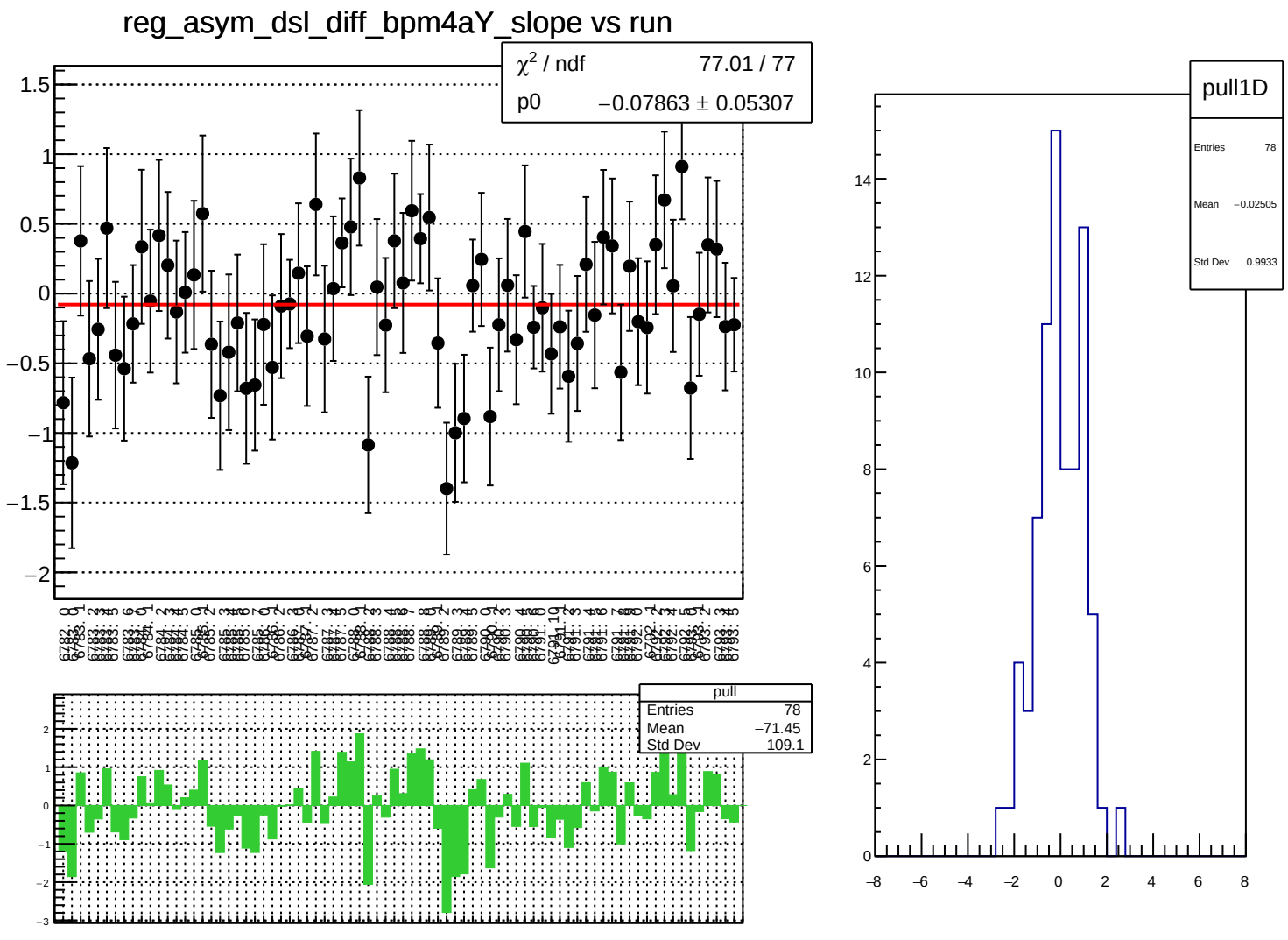

pull1D
Entries 78
Mean 0.004123
Std Dev 0.6915

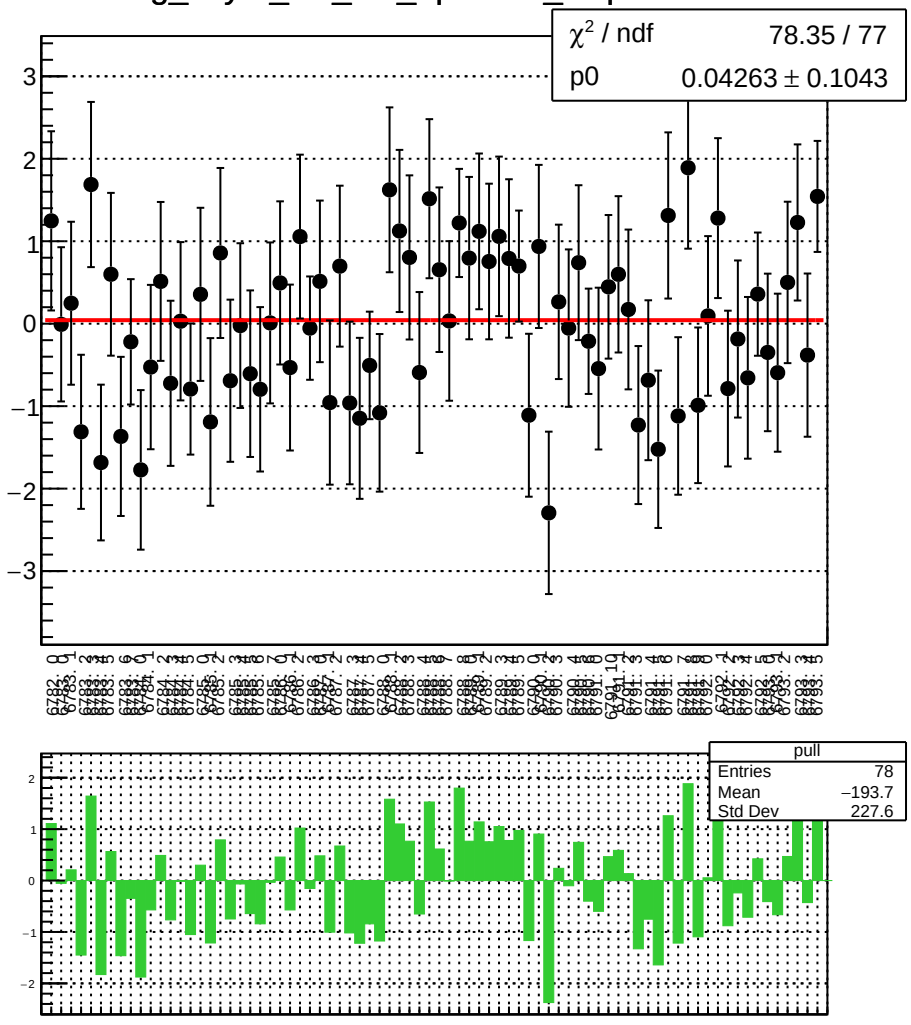

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 39.77 / 77
p0 −37.66 ± 0.07733
pull
Entries 78
Mean 1.661e+05
Std Dev 1.661e+05

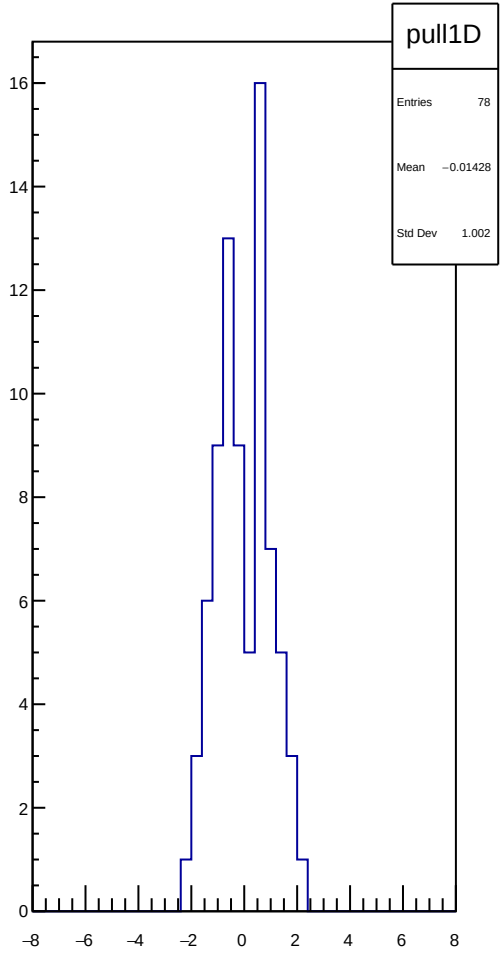

pull1D
Entries 78
Mean −1.333e−05
Std Dev 0.7141

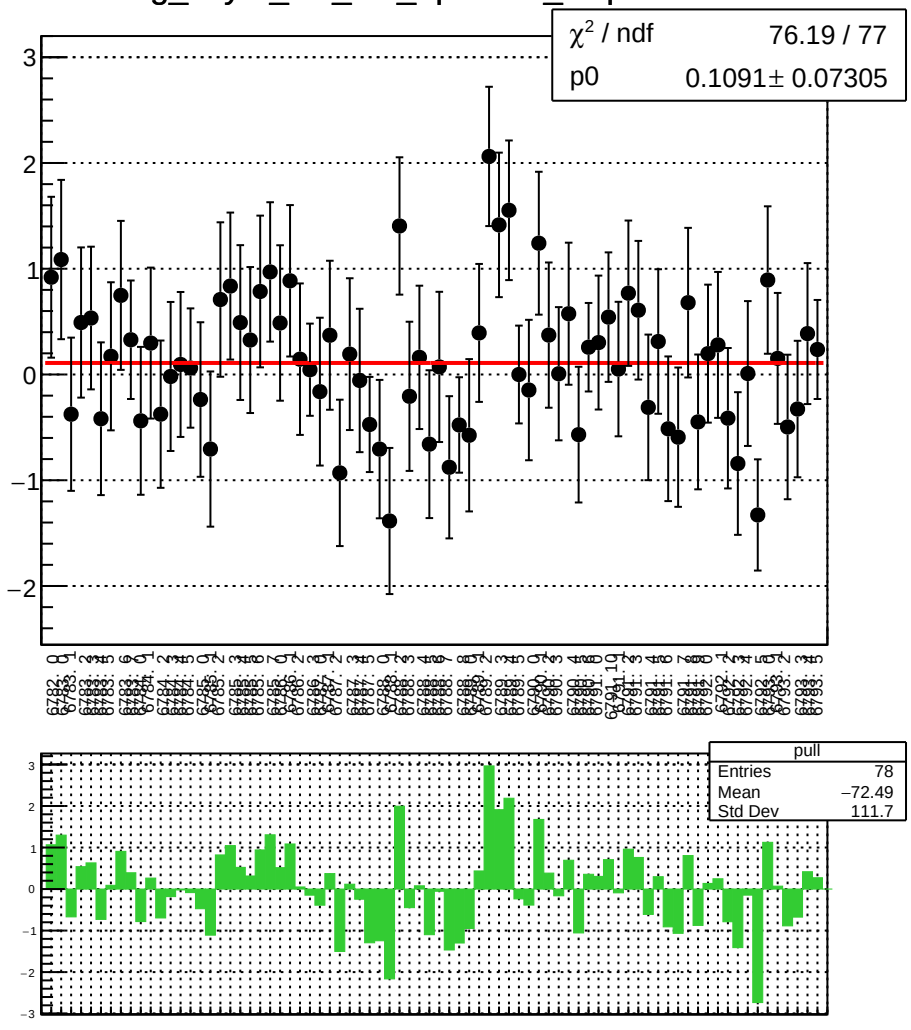

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 77.45 / 77
p0 −0.06125 ± 0.1117
pull
Entries 78
Mean −212.3
Std Dev 246.8

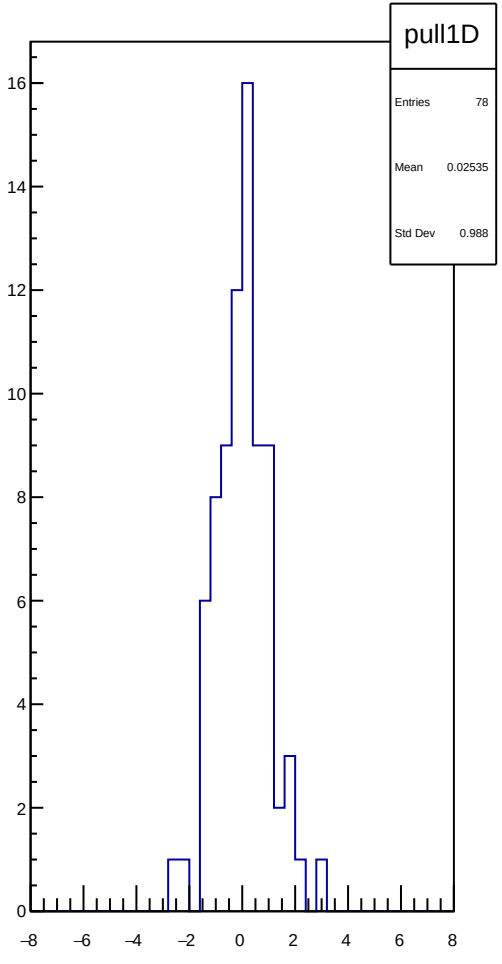

pull1D
Entries 78
Mean 0.0111
Std Dev 0.9964

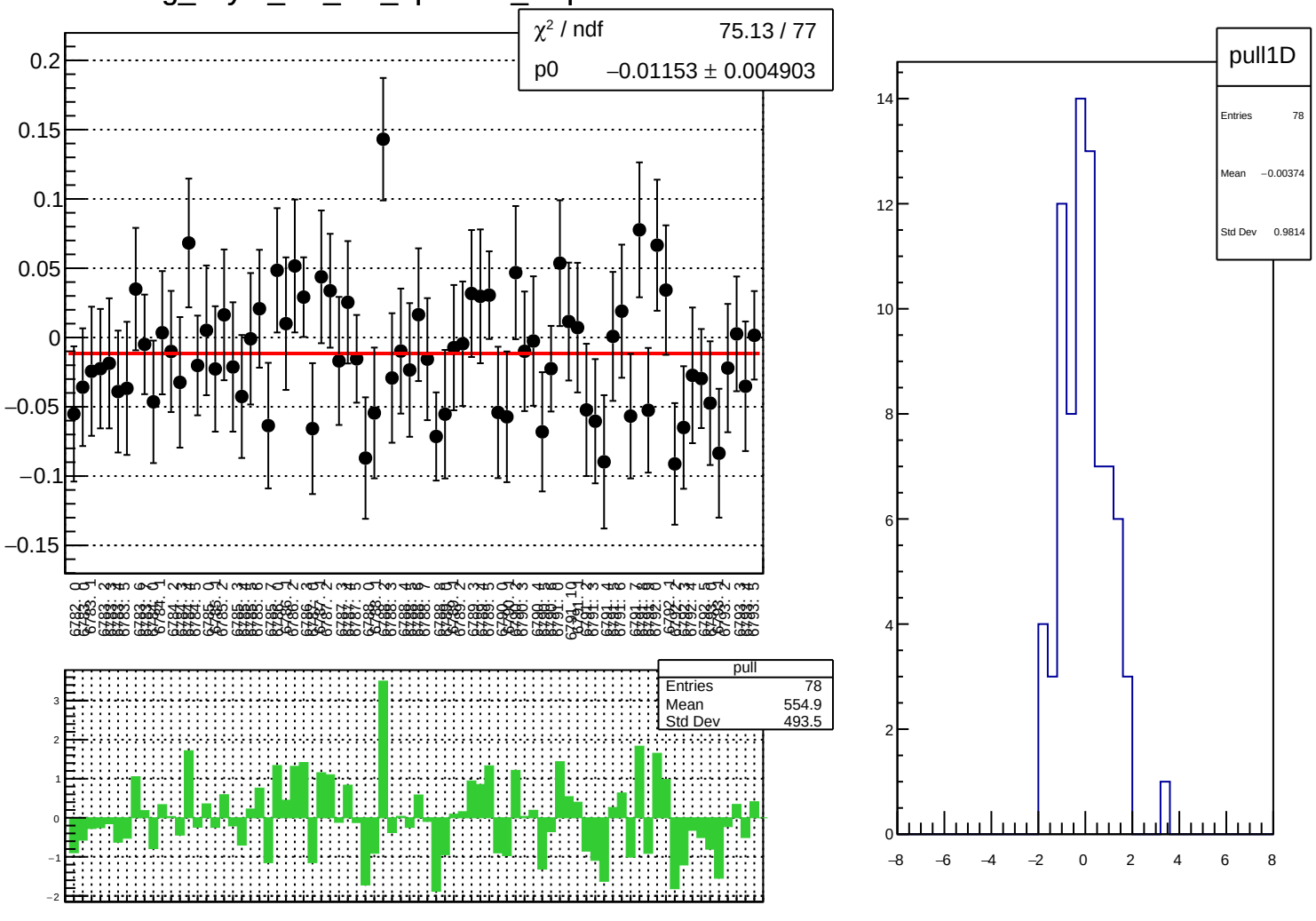

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 77.01 / 77
p0 −0.07863 ± 0.05307
pull
Entries 78
Mean −71.45
Std Dev 109.1
pull1D
Entries 78
Mean −0.02505
Std Dev 0.9933

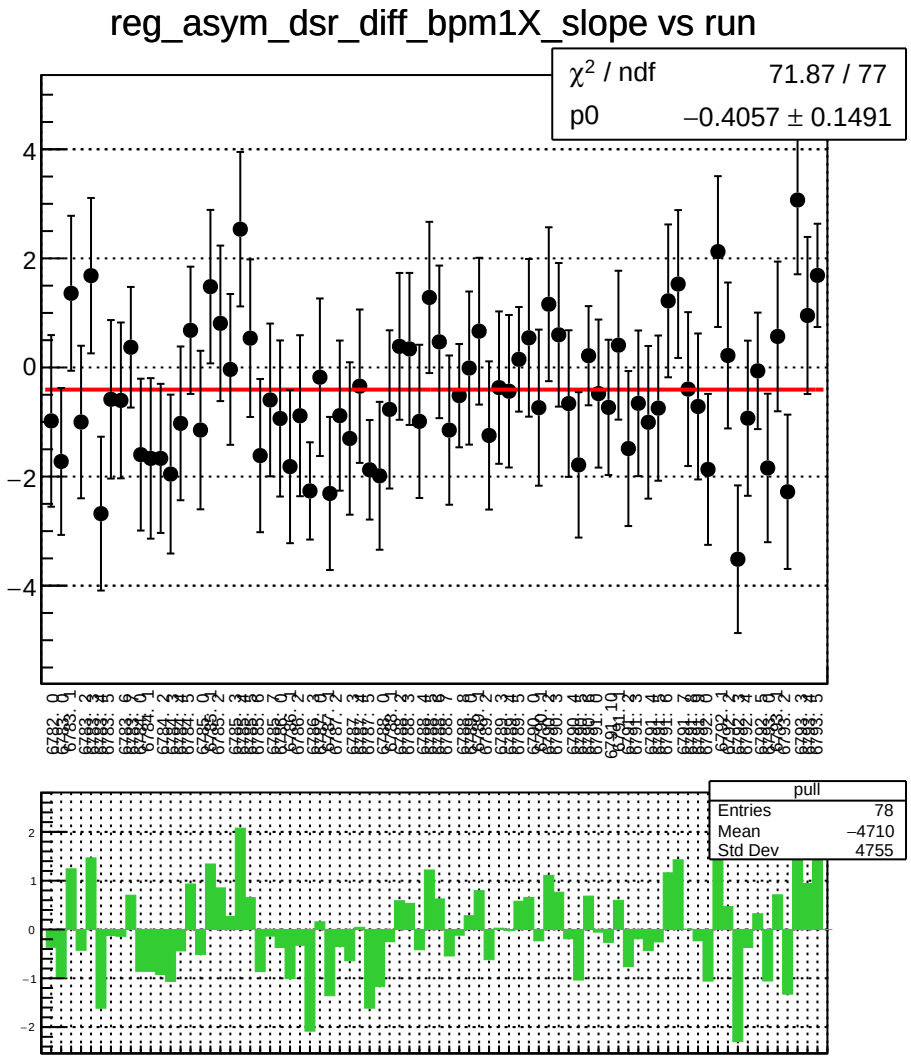

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 78.35 / 77
p0 0.04263 ± 0.1043
pull
Entries 78
Mean −193.7
Std Dev 227.6

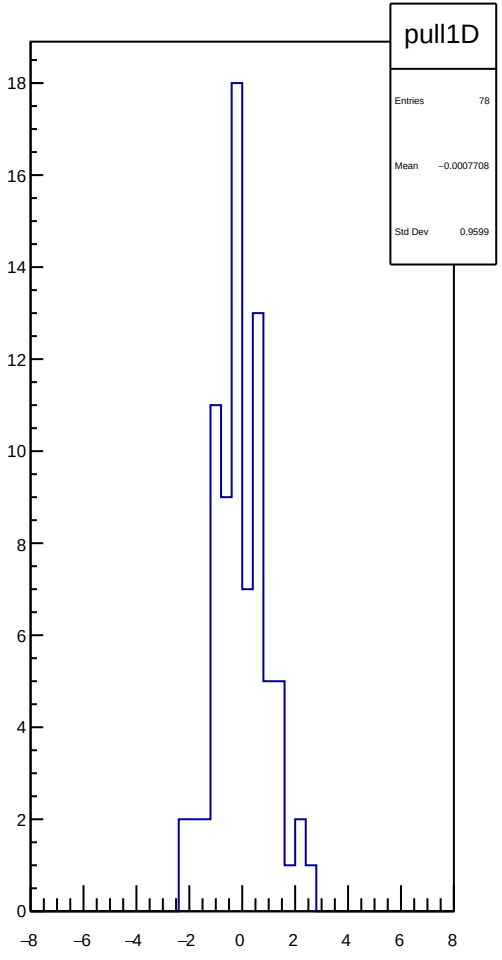

pull1D
Entries 78
Mean −0.01428
Std Dev 1.002

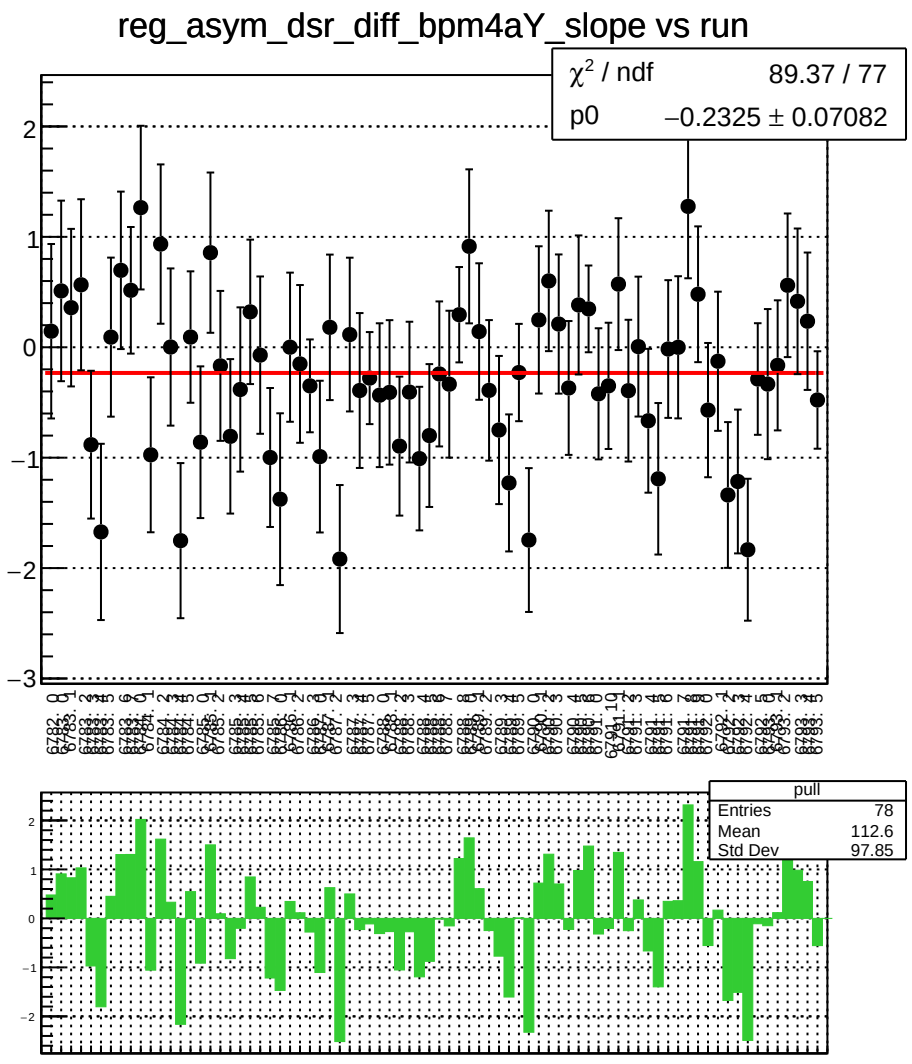

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 76.19 / 77
p0 0.1091± 0.07305
pull
Entries 78
Mean −72.49
Std Dev 111.7

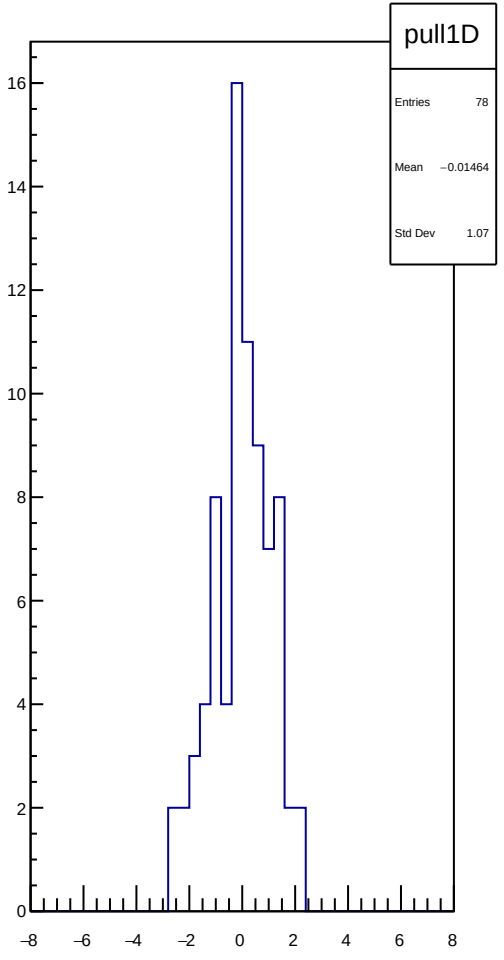

pull1D
Entries 78
Mean 0.02535
Std Dev 0.988

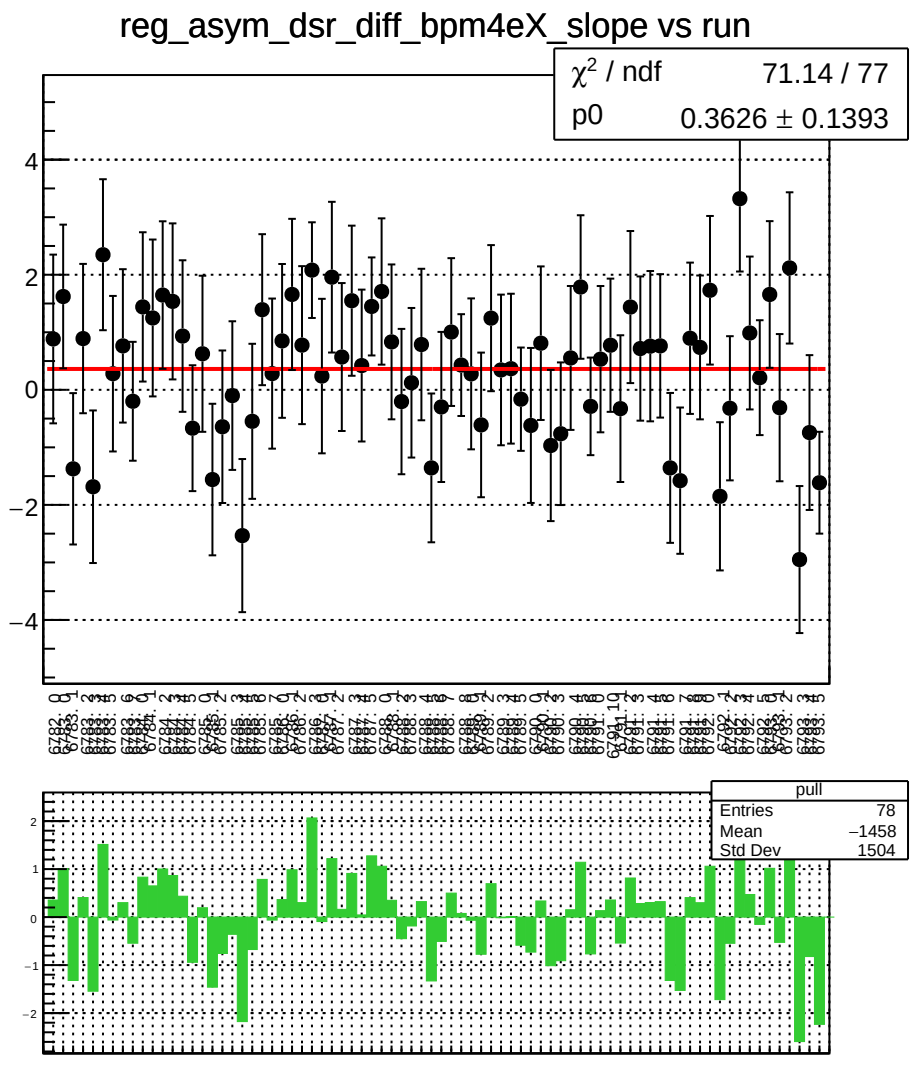

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 75.13 / 77
p0 −0.01153 ± 0.004903
pull
Entries 78
Mean 554.9
Std Dev 493.5
pull1D
Entries 78
Mean −0.00374
Std Dev 0.9814

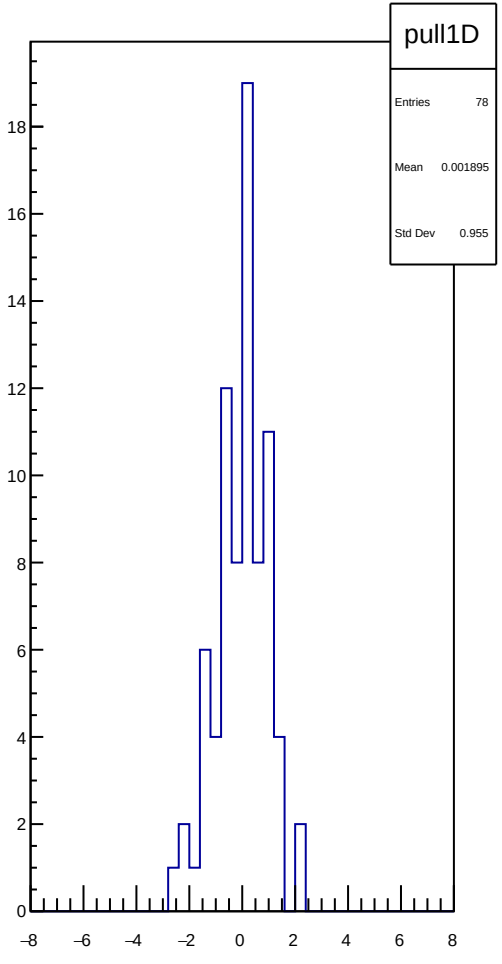

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 71.87 / 77
p0 −0.4057 ± 0.1491
pull
Entries 78
Mean −4710
Std Dev 4755

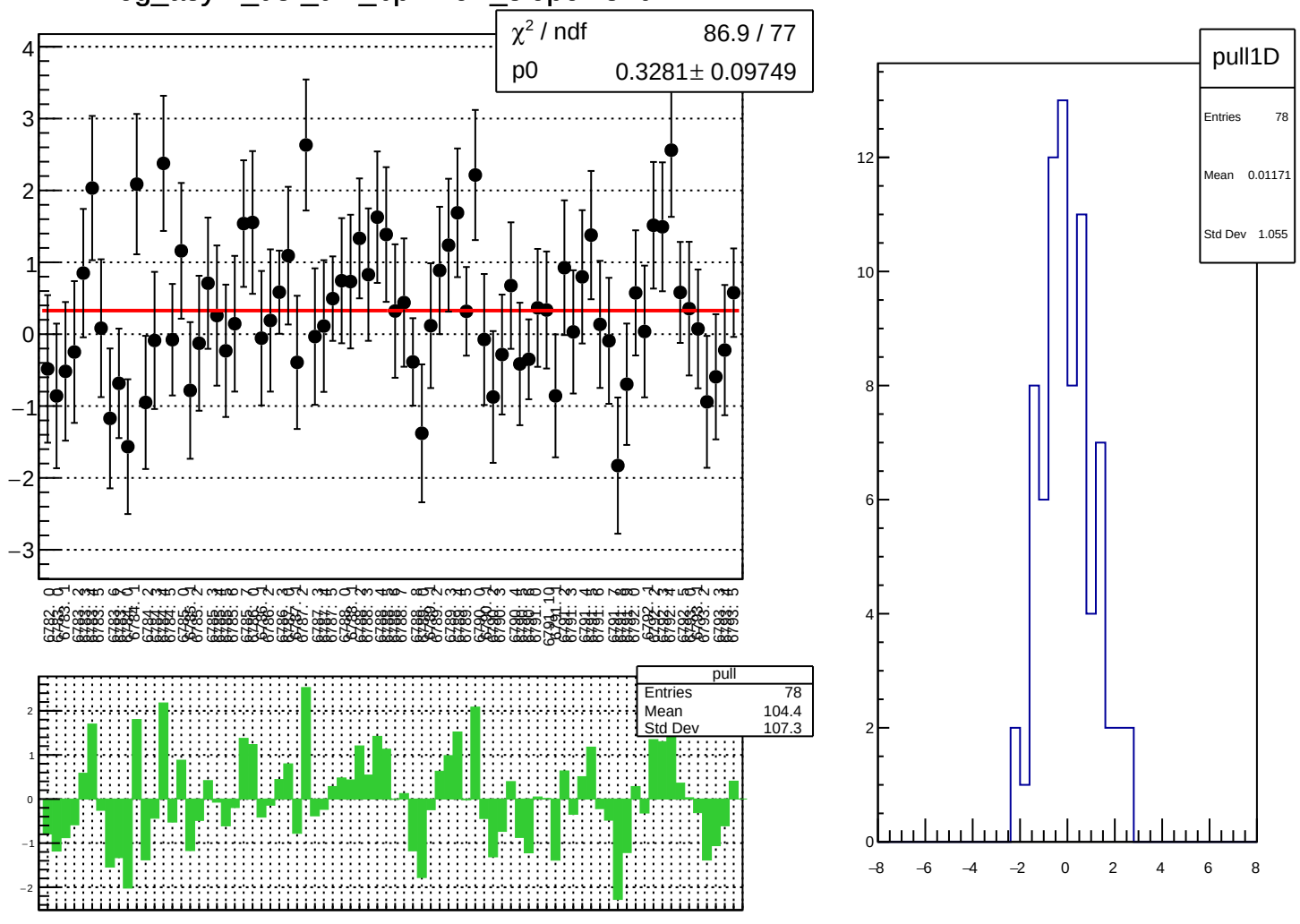

pull1D
Entries 78
Mean −0.0007708
Std Dev 0.9599

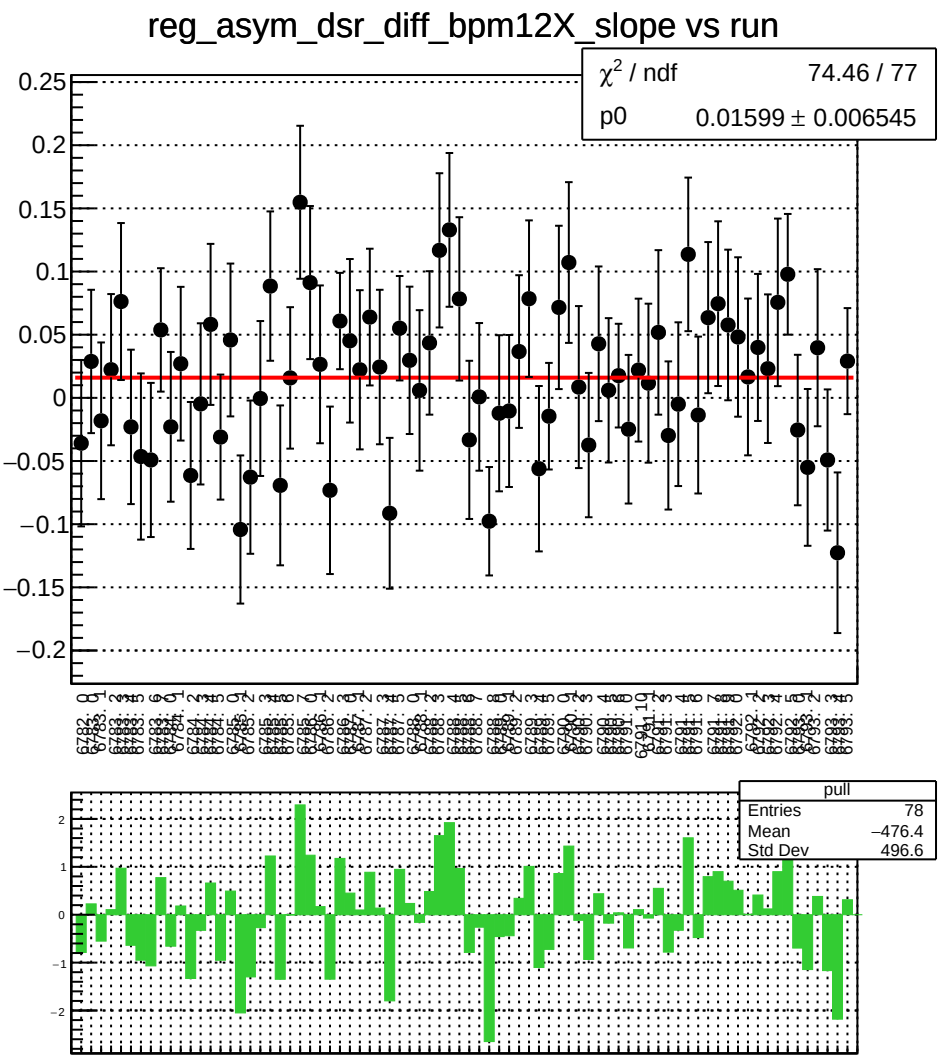

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 89.37 / 77
p0 −0.2325 ± 0.07082
pull
Entries 78
Mean 112.6
Std Dev 97.85

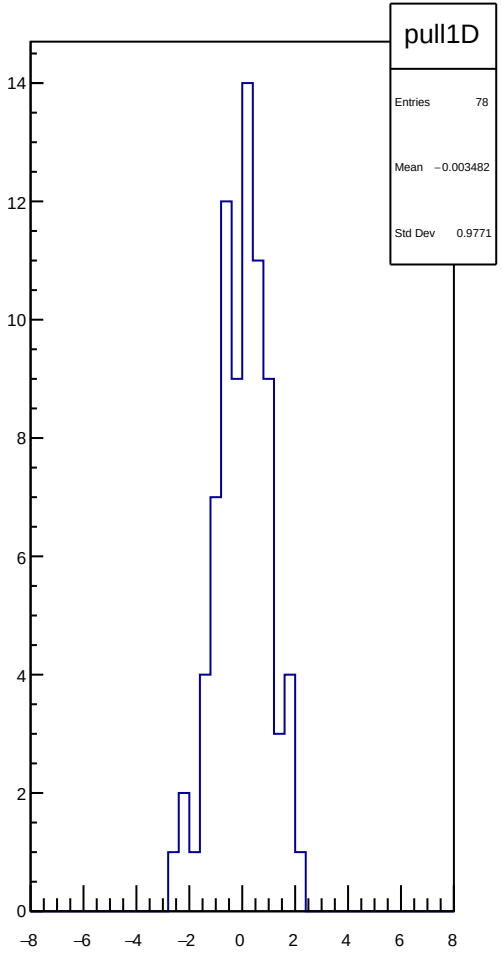

pull1D
Entries 78
Mean −0.01464
Std Dev 1.07

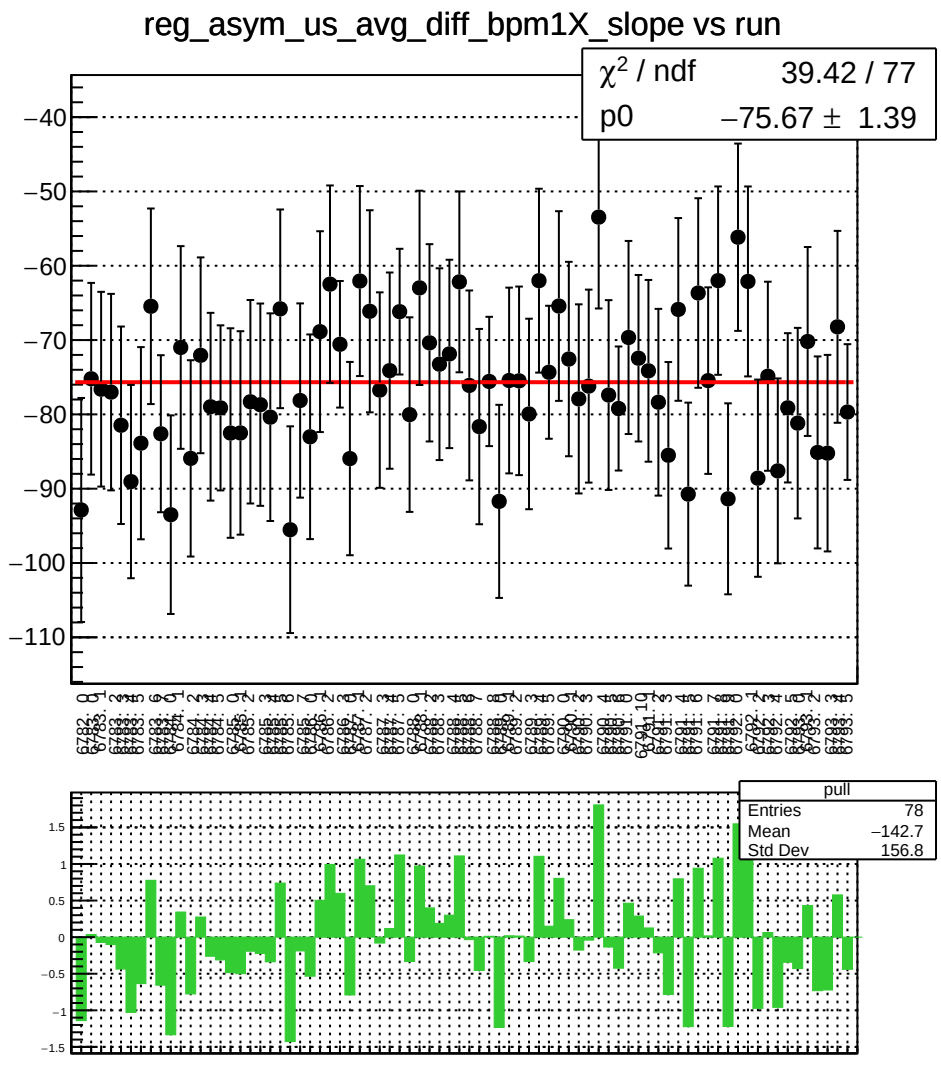

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 71.14 / 77
p0 0.3626 ± 0.1393
pull
Entries 78
Mean −1458
Std Dev 1504

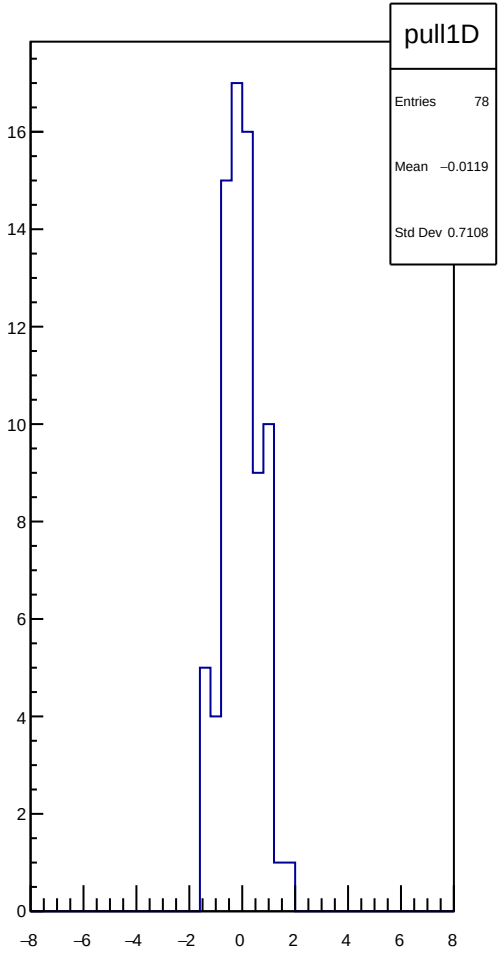

pull1D
Entries 78
Mean 0.001895
Std Dev 0.955

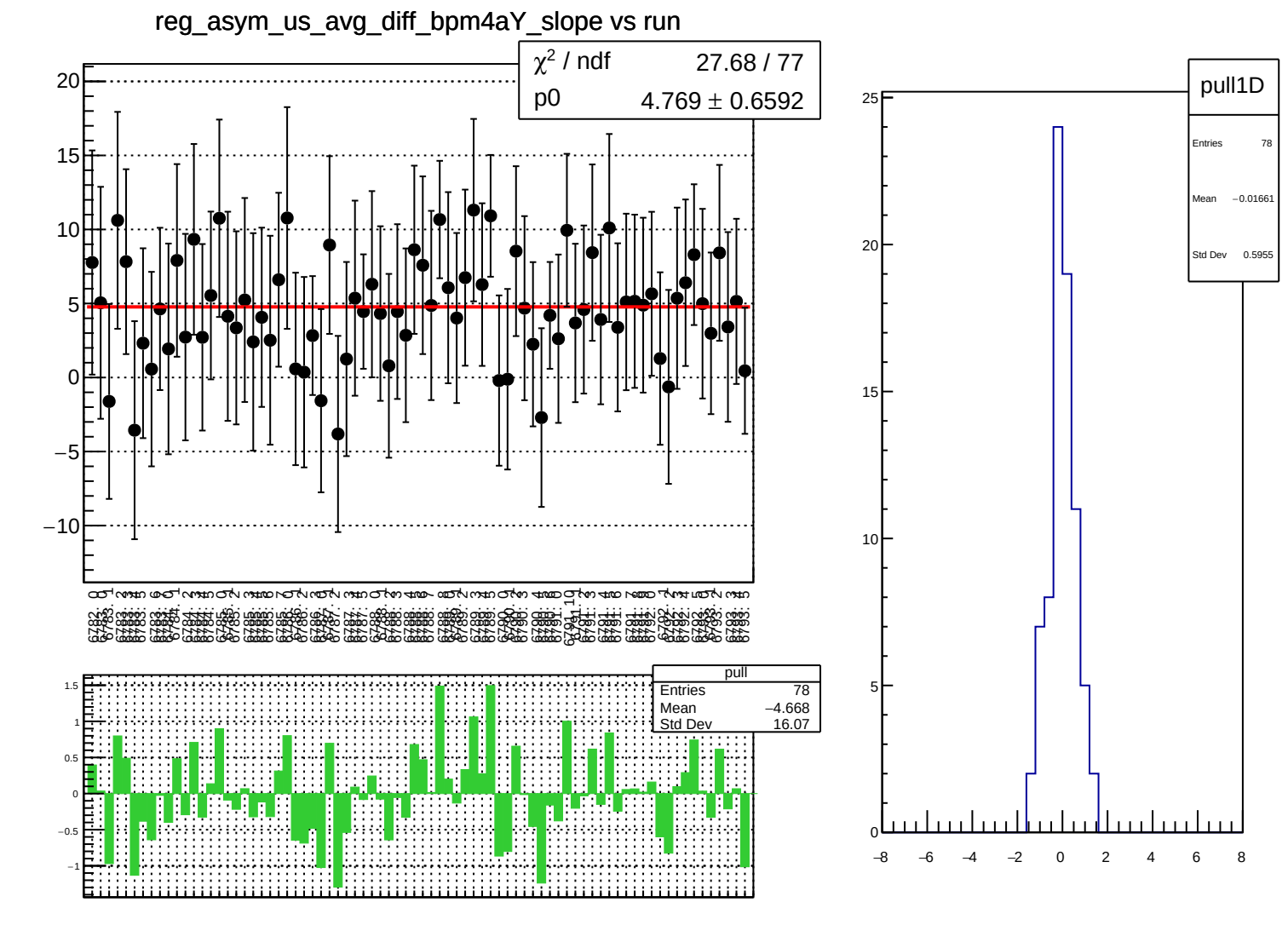

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 86.9 / 77
p0 0.3281± 0.09749
pull
Entries 78
Mean 104.4
Std Dev 107.3
pull1D
Entries 78
Mean 0.01171
Std Dev 1.055

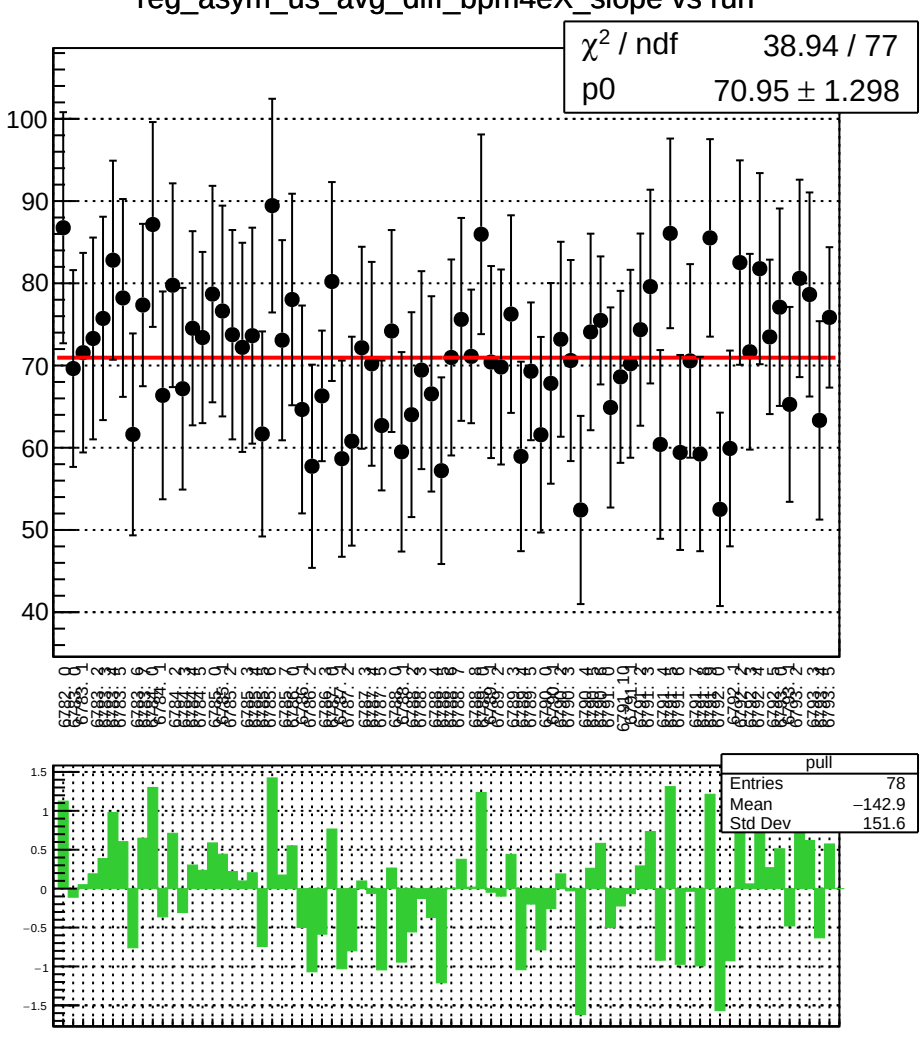

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 74.46 / 77
p0 0.01599 ± 0.006545
pull
Entries 78
Mean −476.4
Std Dev 496.6

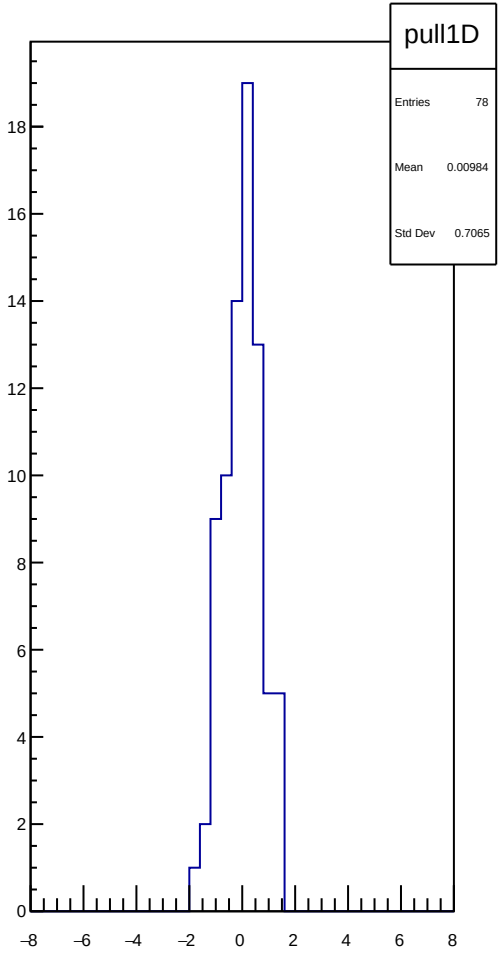

pull1D
Entries 78
Mean −0.003482
Std Dev 0.9771

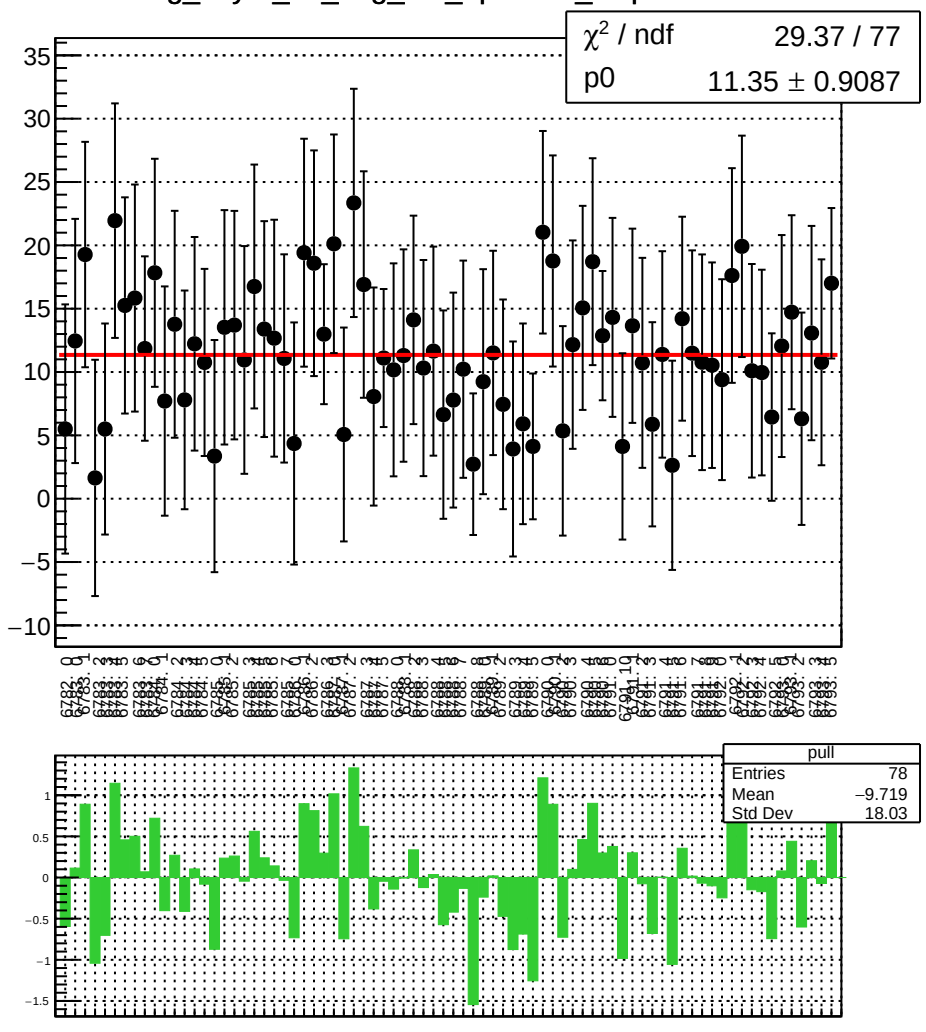

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 39.42 / 77
p0 −75.67 ± 1.39
pull
Entries 78
Mean −142.7
Std Dev 156.8

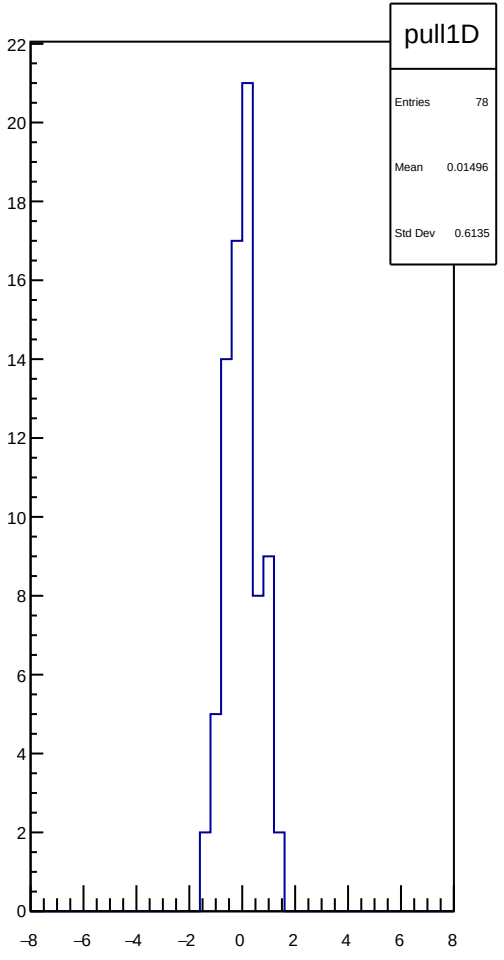

pull1D
Entries 78
Mean −0.0119
Std Dev 0.7108

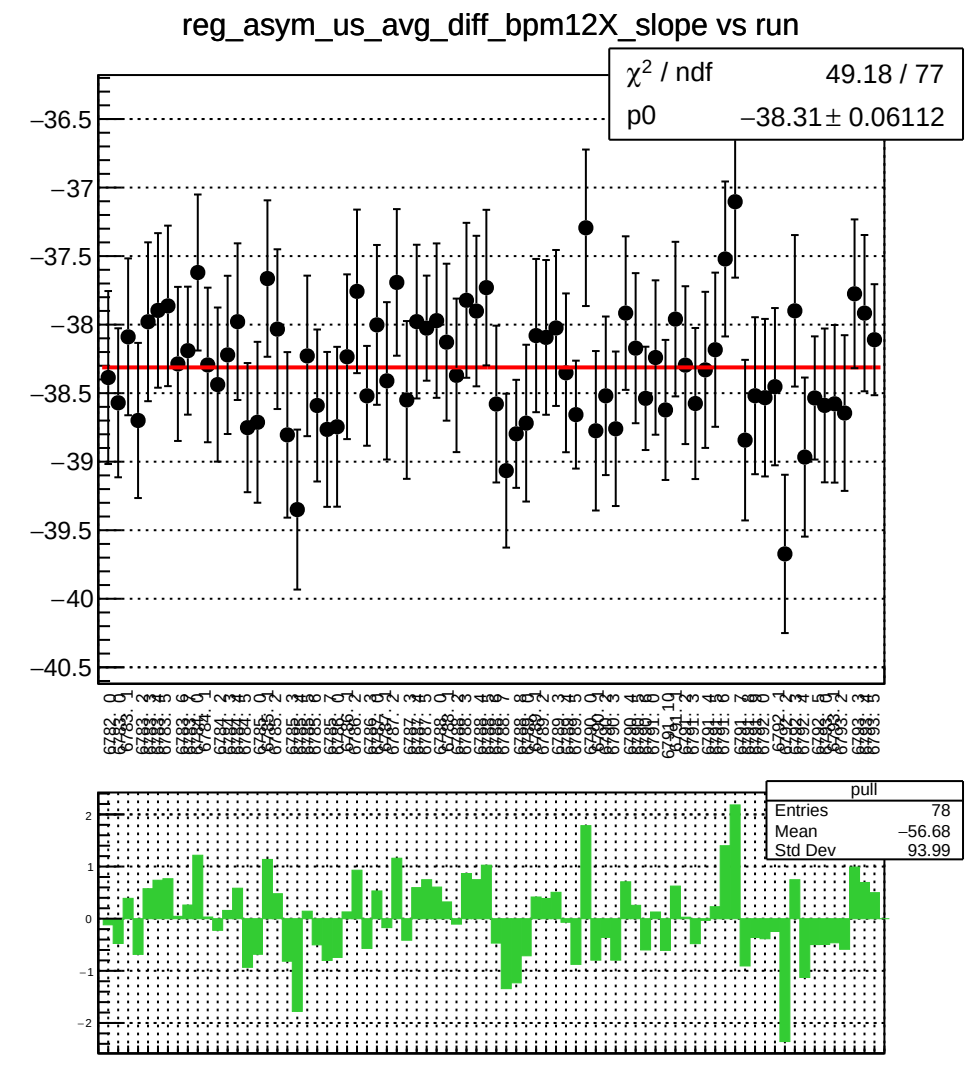

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.68 / 77
p0 4.769 ± 0.6592
pull
Entries 78
Mean −4.668
Std Dev 16.07
pull1D
Entries 78
Mean −0.01661
Std Dev 0.5955

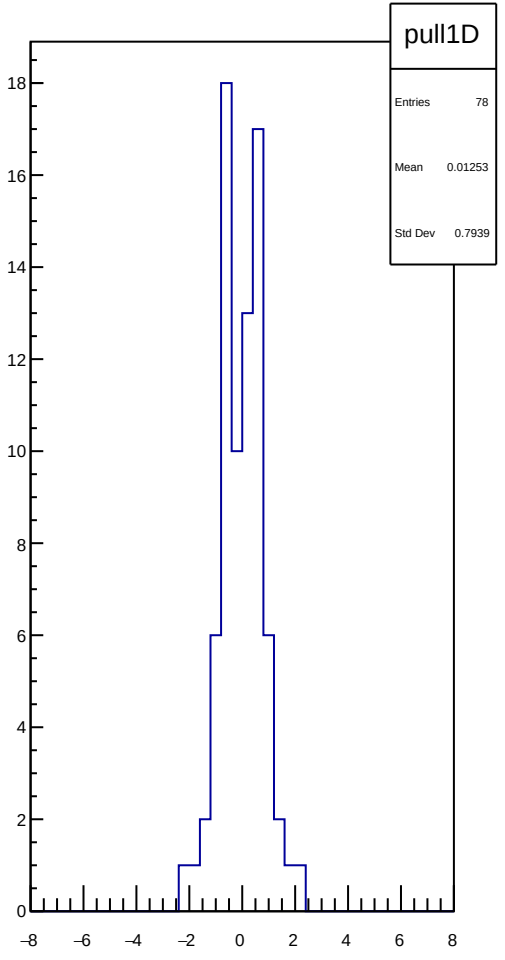

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.94 / 77
p0 70.95 ± 1.298
pull
Entries 78
Mean −142.9
Std Dev 151.6

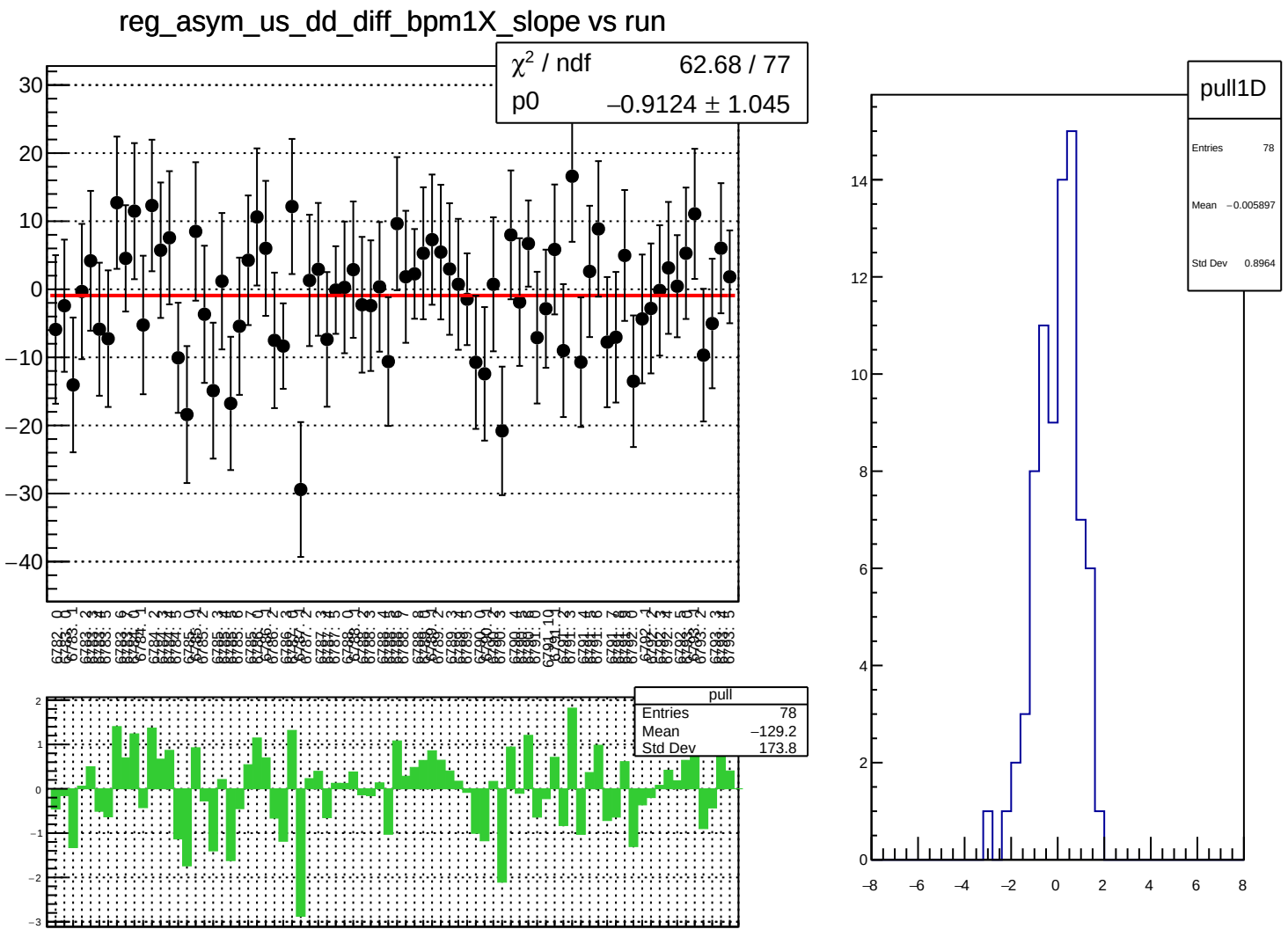

pull1D
Entries 78
Mean 0.00984
Std Dev 0.7065

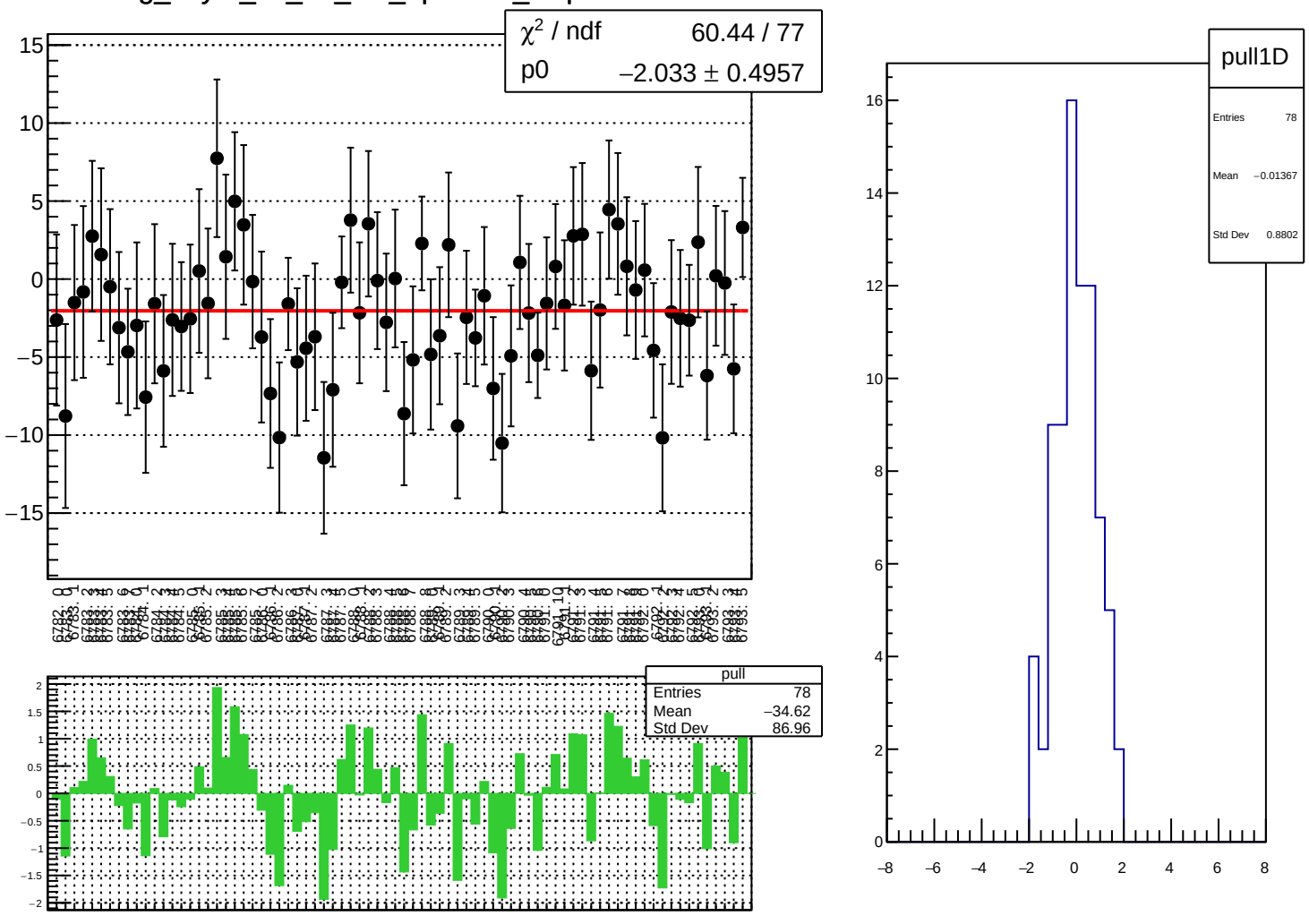

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.37 / 77
p0 11.35 ± 0.9087
pull
Entries 78
Mean −9.719
Std Dev 18.03

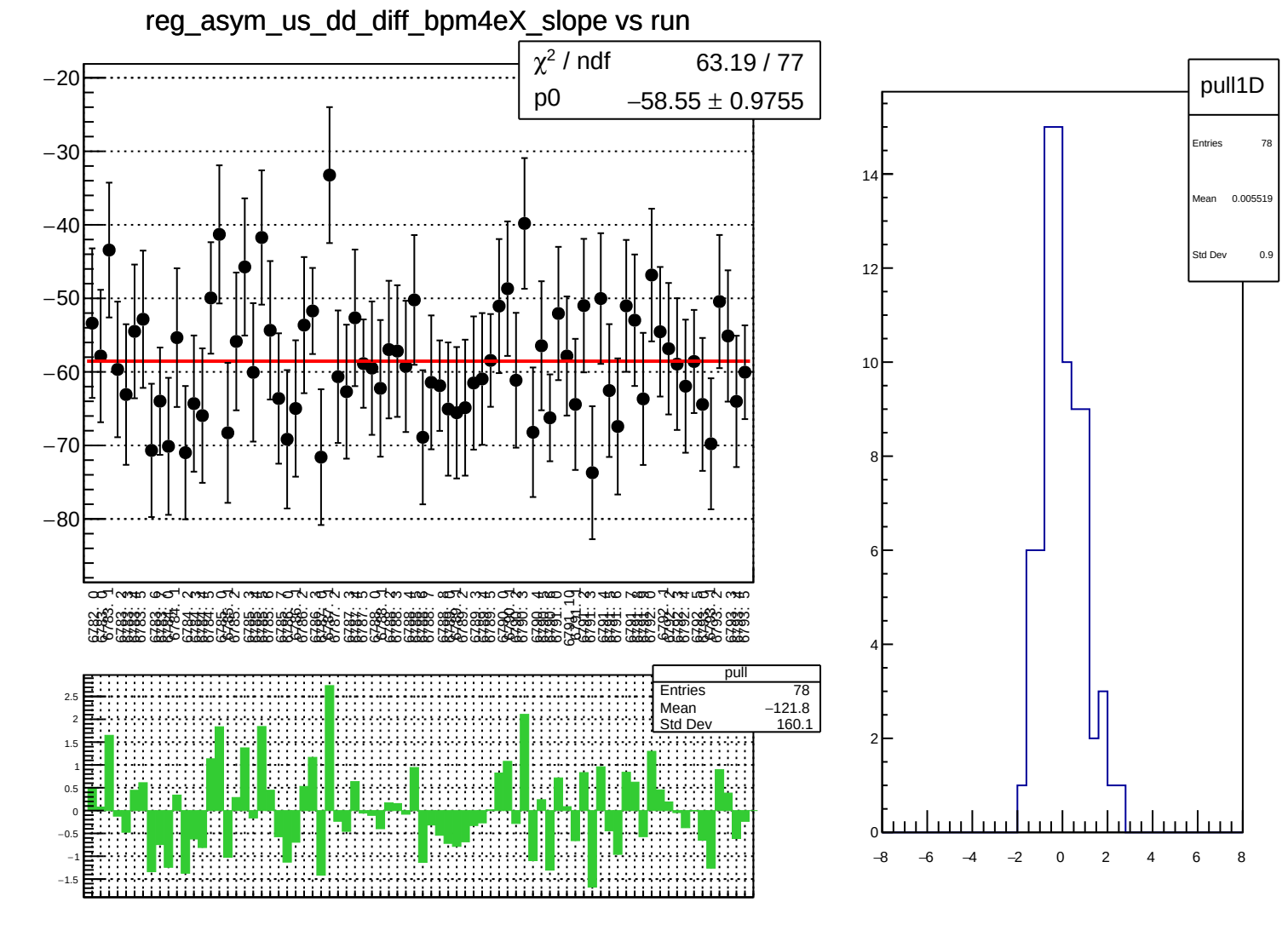

pull1D
Entries 78
Mean 0.01496
Std Dev 0.6135

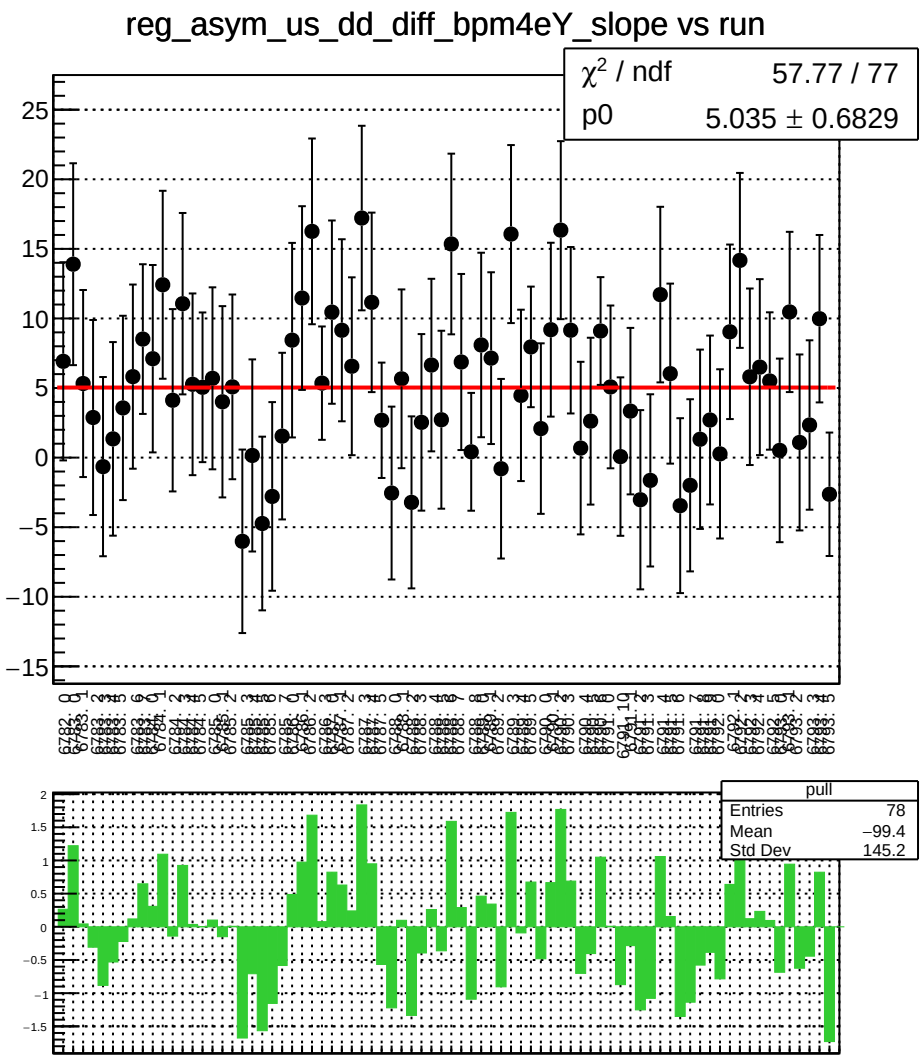

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 49.18 / 77
p0 −38.31 ± 0.06112
pull
Entries 78
Mean −56.68
Std Dev 93.99

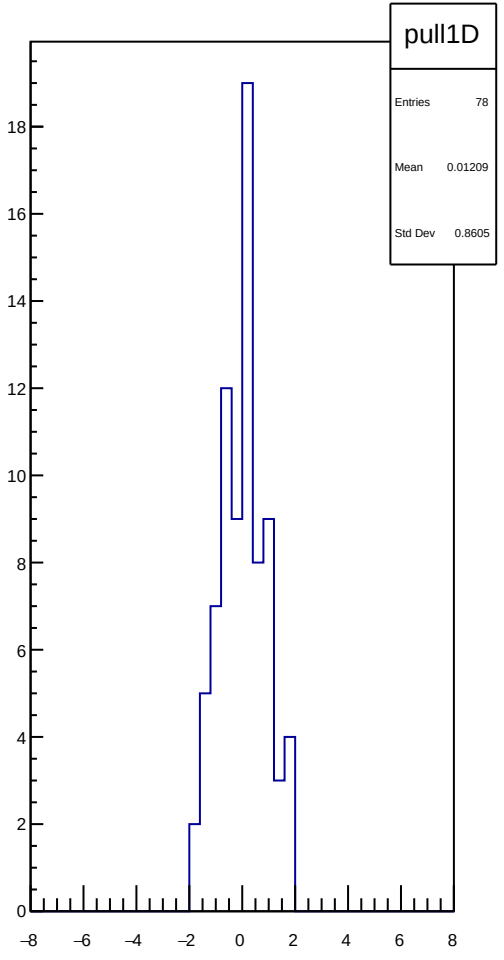

pull1D
Entries 78
Mean 0.01253
Std Dev 0.7939

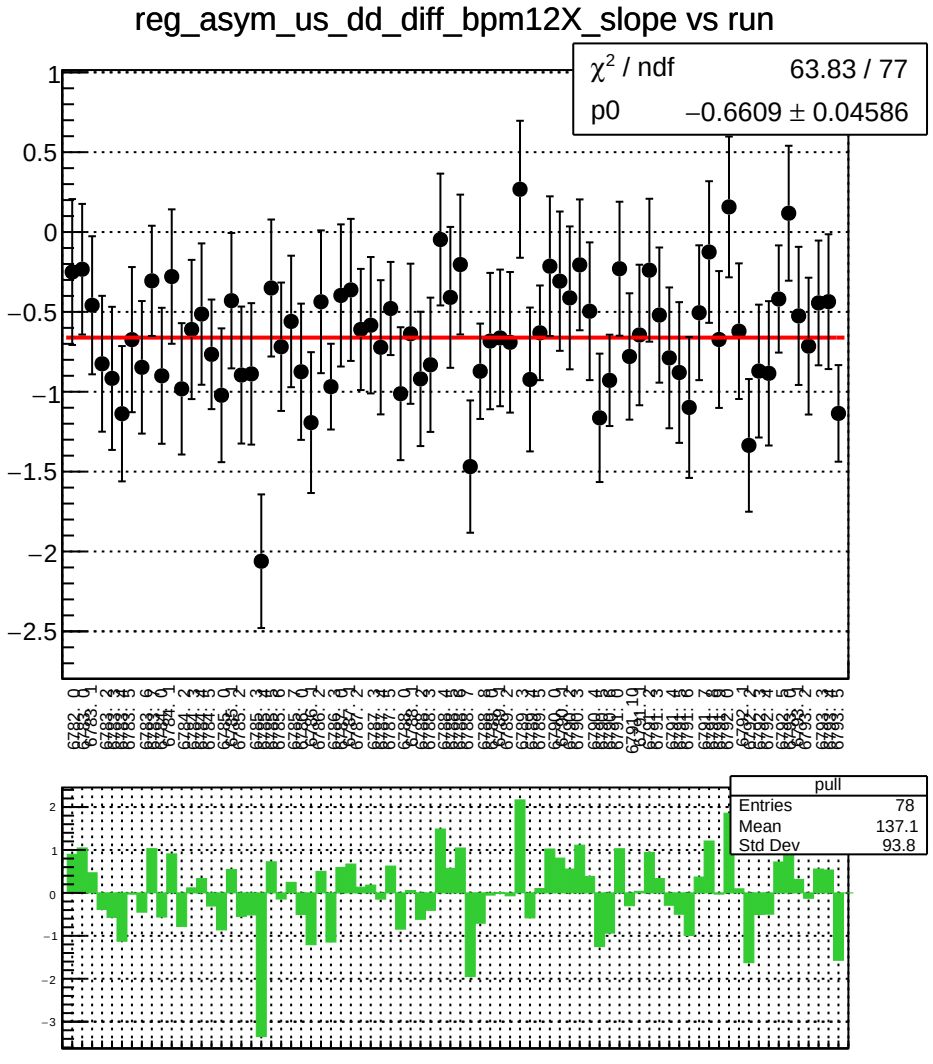

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 62.68 / 77
p0 −0.9124 ± 1.045
pull
Entries 78
Mean −129.2
Std Dev 173.8
pull1D
Entries 78
Mean −0.005897
Std Dev 0.8964

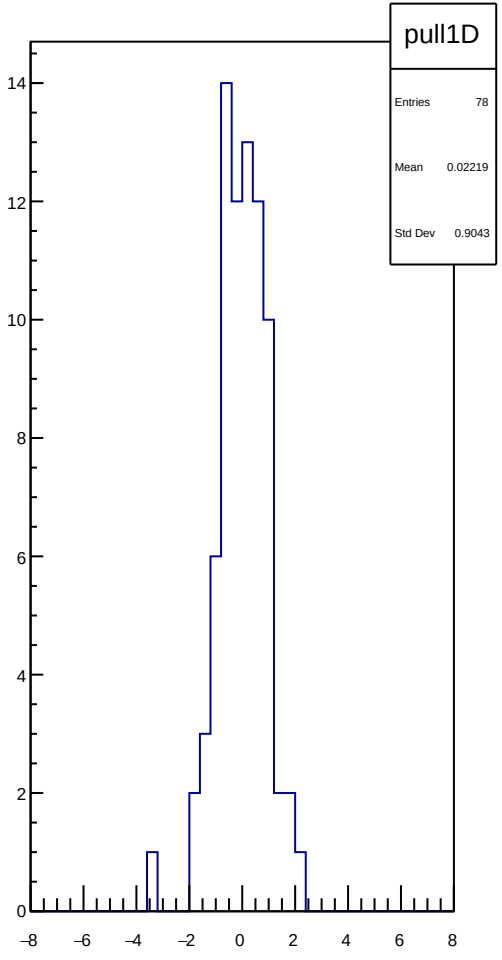

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 60.44 / 77
p0 −2.033 ± 0.4957
pull
Entries 78
Mean −34.62
Std Dev 86.96
pull1D
Entries 78
Mean −0.01367
Std Dev 0.8802

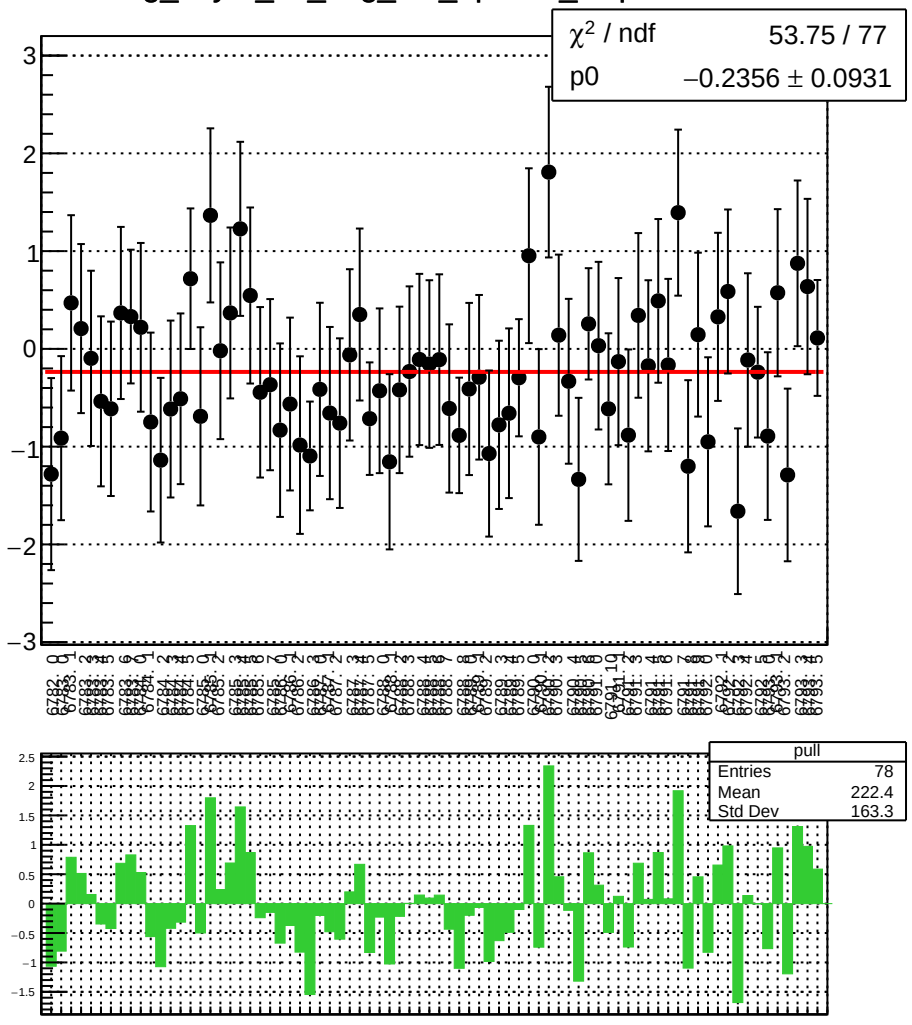

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.19 / 77
p0 −58.55 ± 0.9755
pull
Entries 78
Mean −121.8
Std Dev 160.1
pull1D
Entries 78
Mean 0.005519
Std Dev 0.9

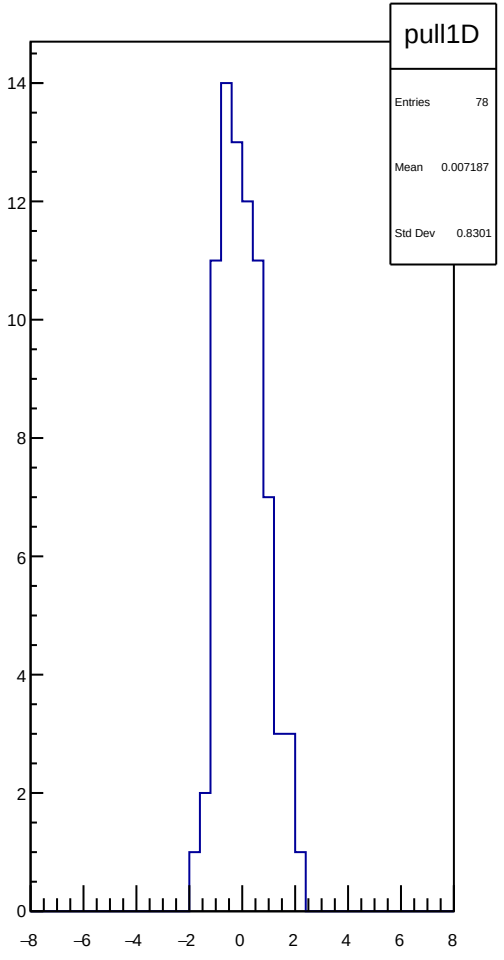

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.77 / 77
p0 5.035 ± 0.6829
pull
Entries 78
Mean −99.4
Std Dev 145.2

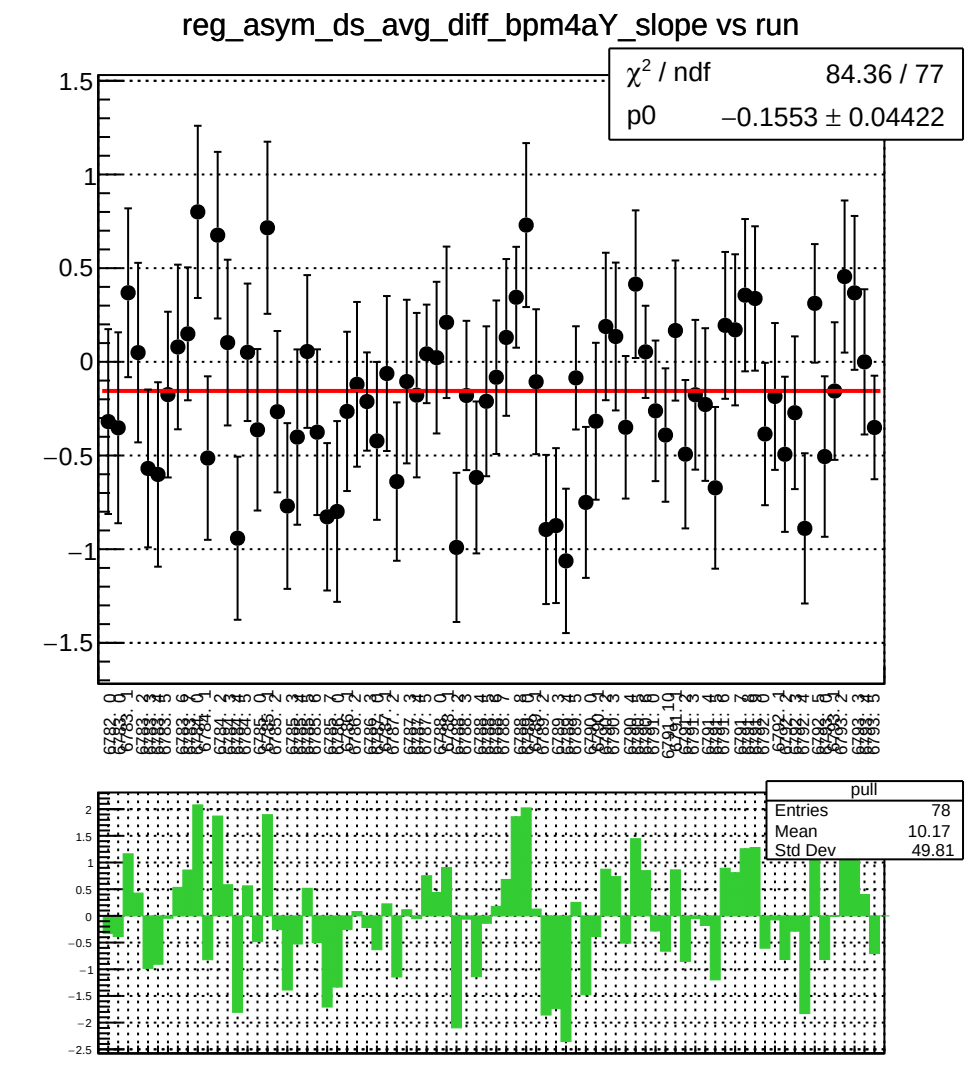

pull1D
Entries 78
Mean 0.01209
Std Dev 0.8605

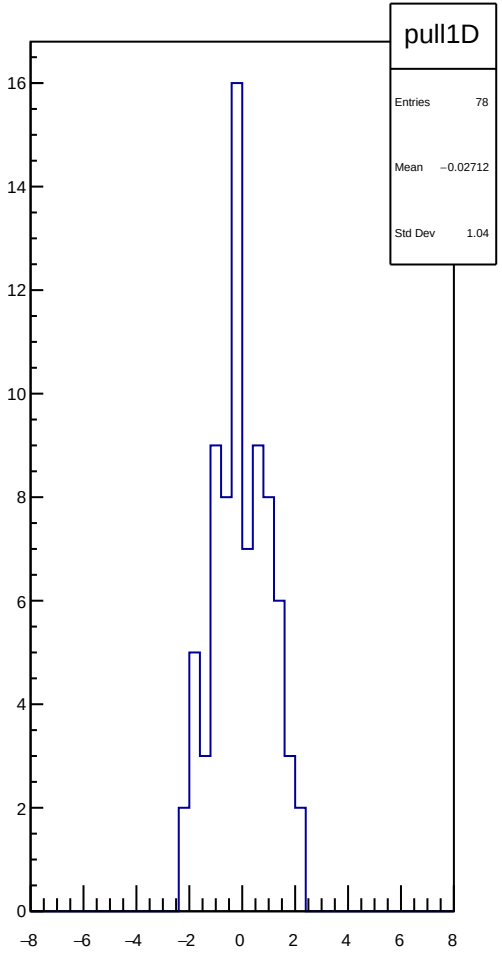

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 63.83 / 77
p0 −0.6609 ± 0.04586
pull
Entries 78
Mean 137.1
Std Dev 93.8

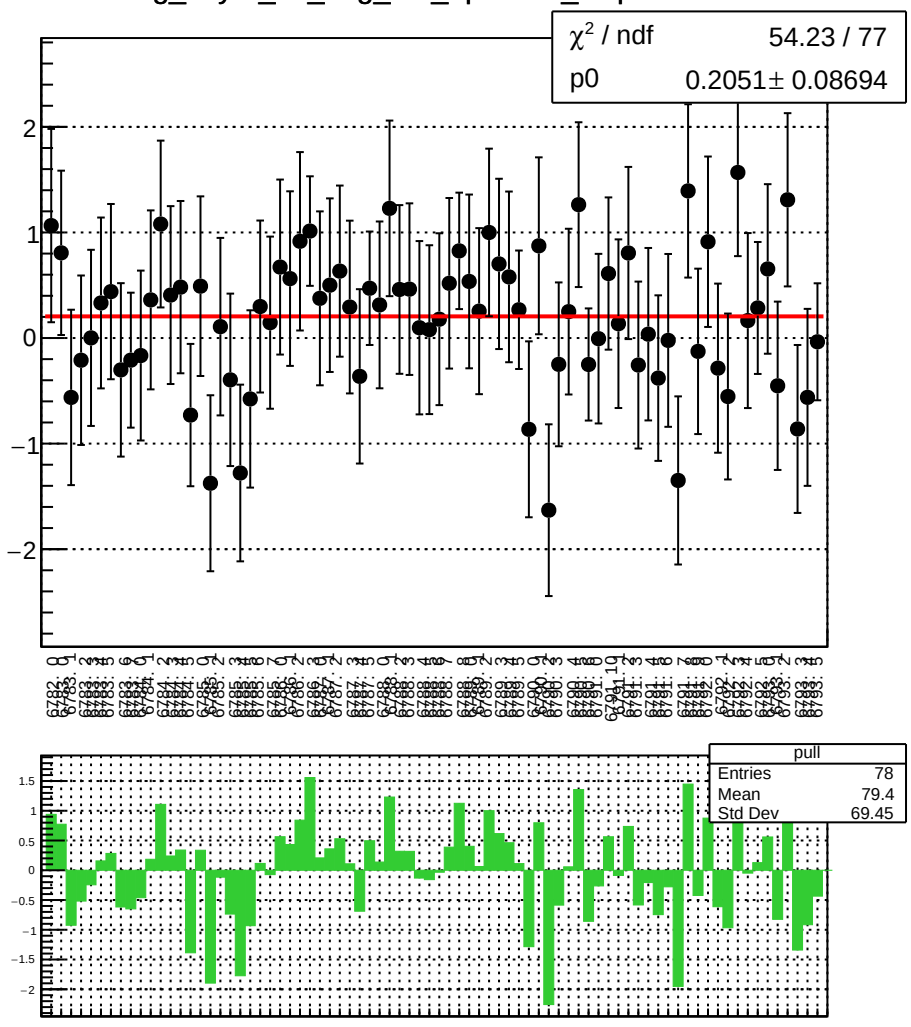

pull1D
Entries 78
Mean 0.02219
Std Dev 0.9043

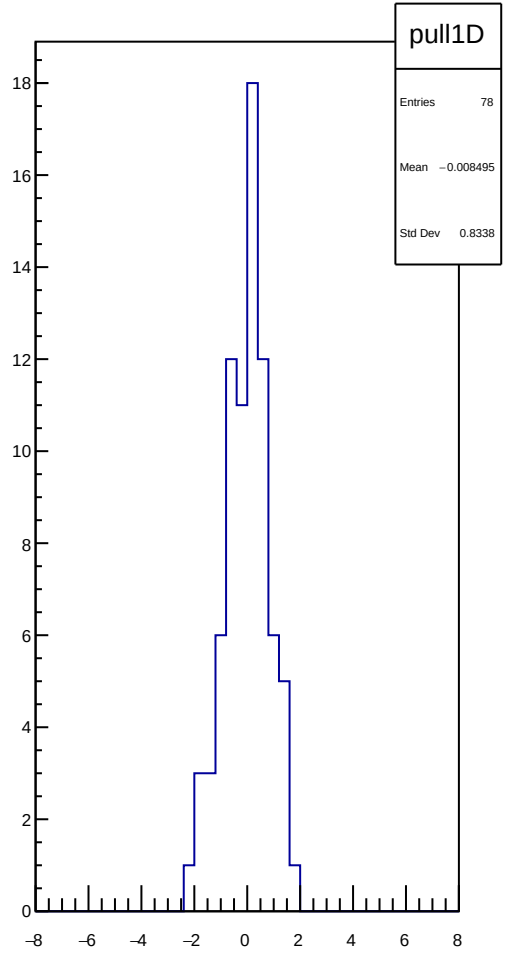

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 53.75 / 77
p0 −0.2356 ± 0.0931
pull
Entries 78
Mean 222.4
Std Dev 163.3

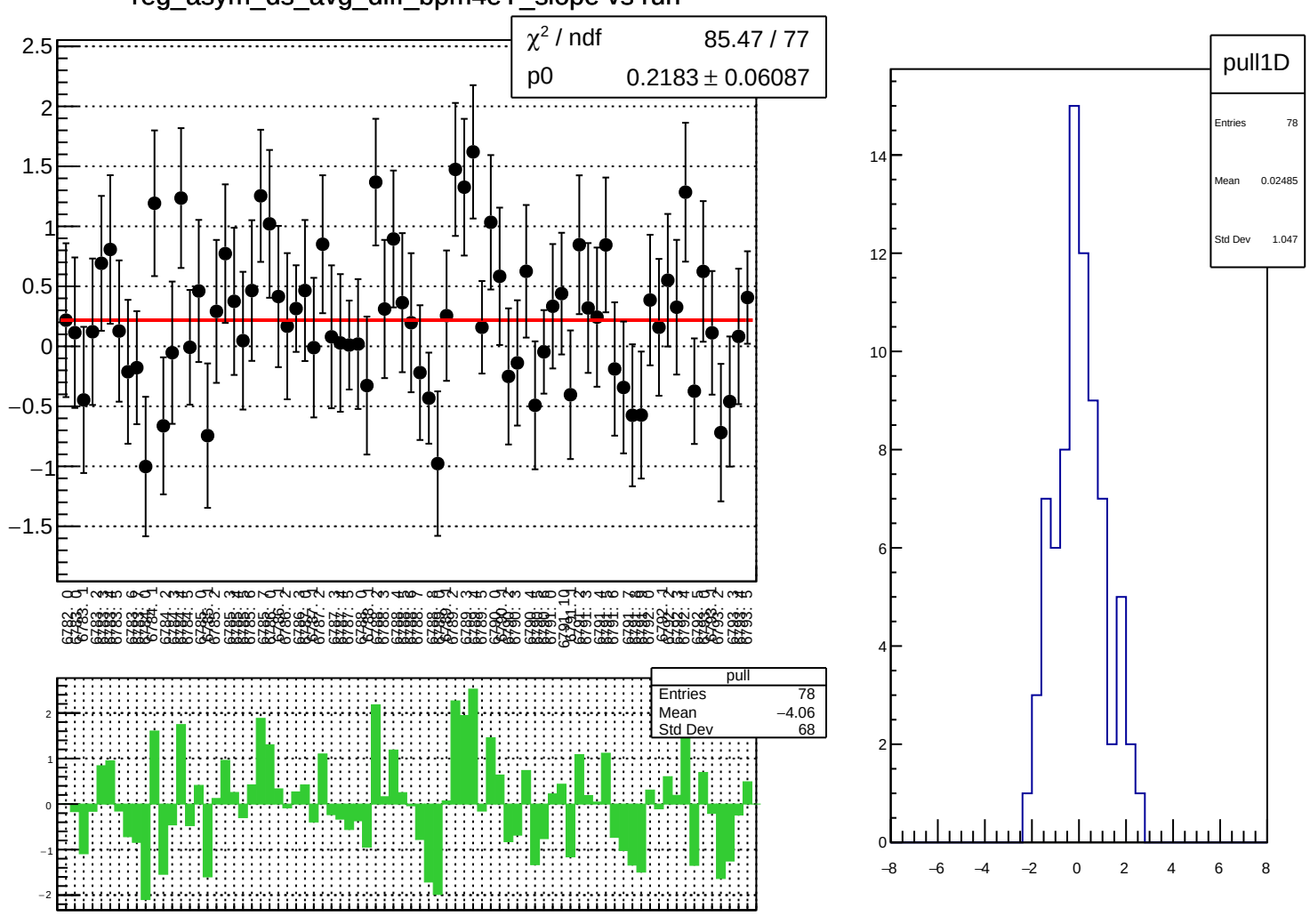

pull1D
Entries 78
Mean 0.007187
Std Dev 0.8301

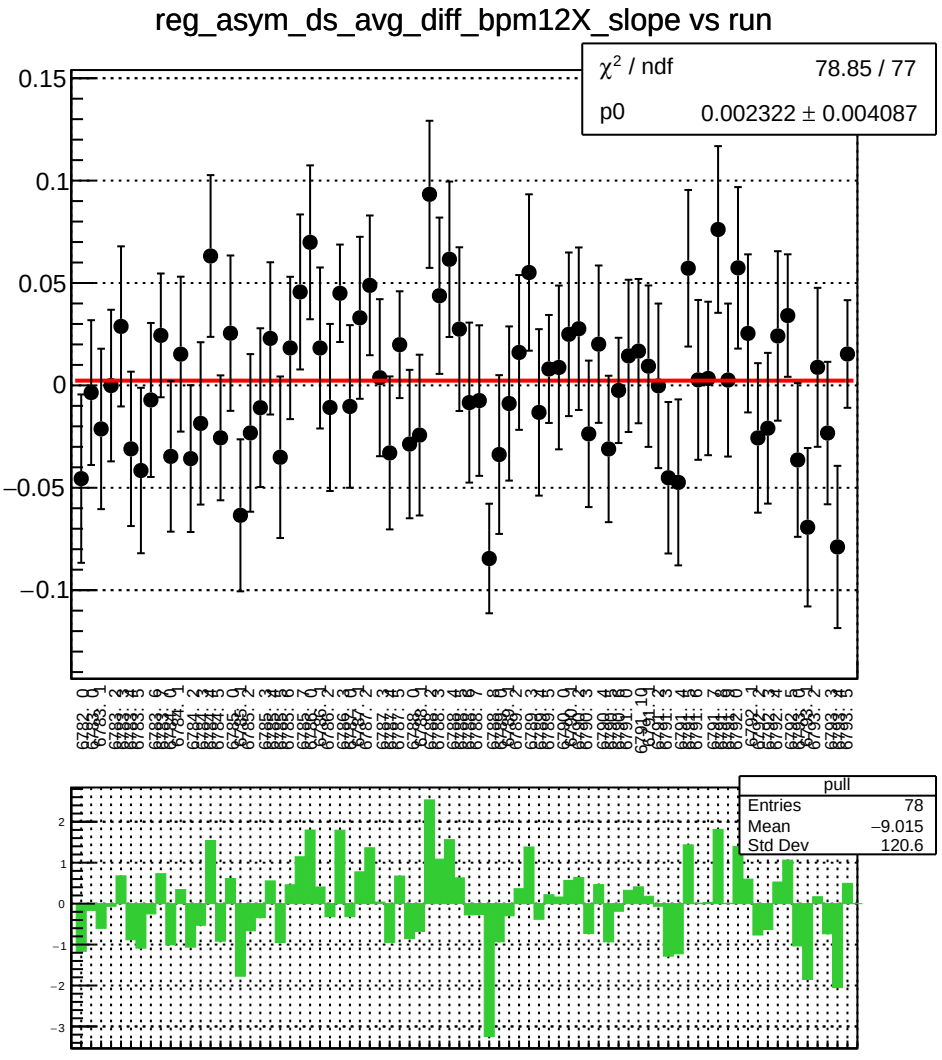

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.36 / 77
p0 −0.1553 ± 0.04422
pull
Entries 78
Mean 10.17
Std Dev 49.81

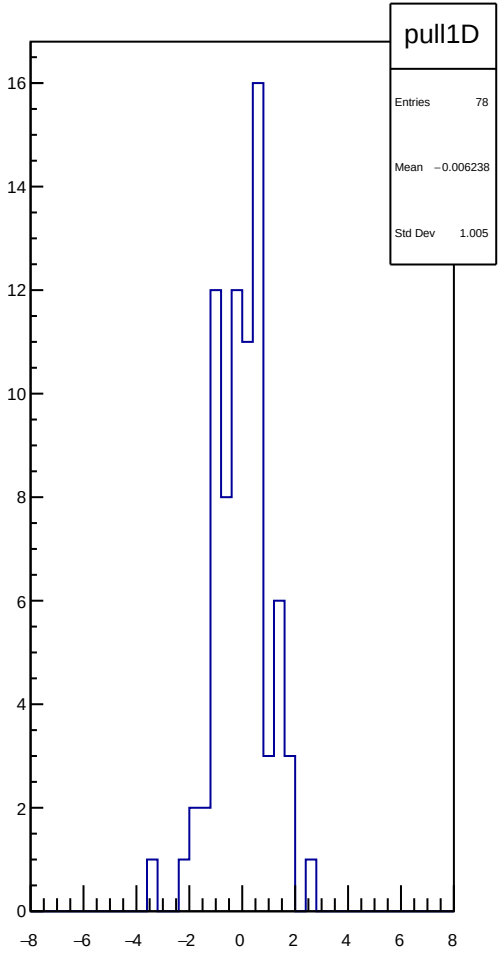

pull1D
Entries 78
Mean −0.02712
Std Dev 1.04

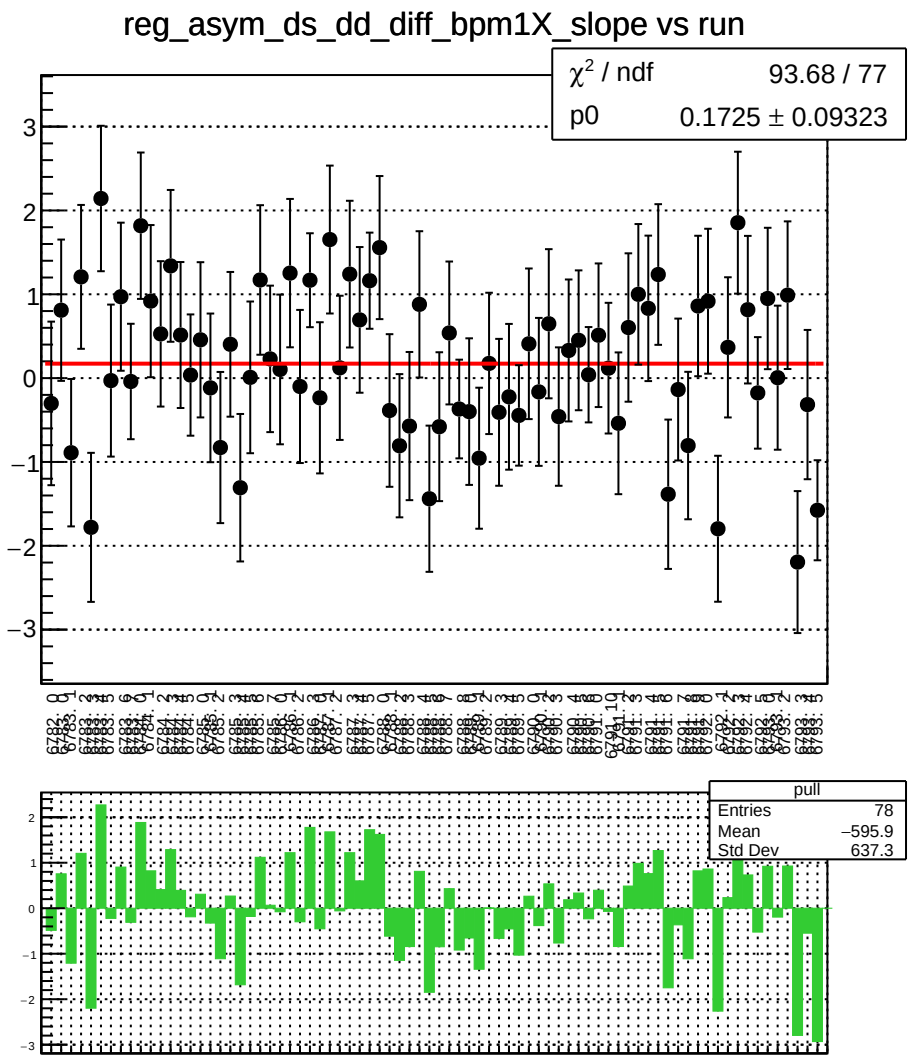

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.23 / 77
p0 0.2051± 0.08694
pull
Entries 78
Mean 79.4
Std Dev 69.45

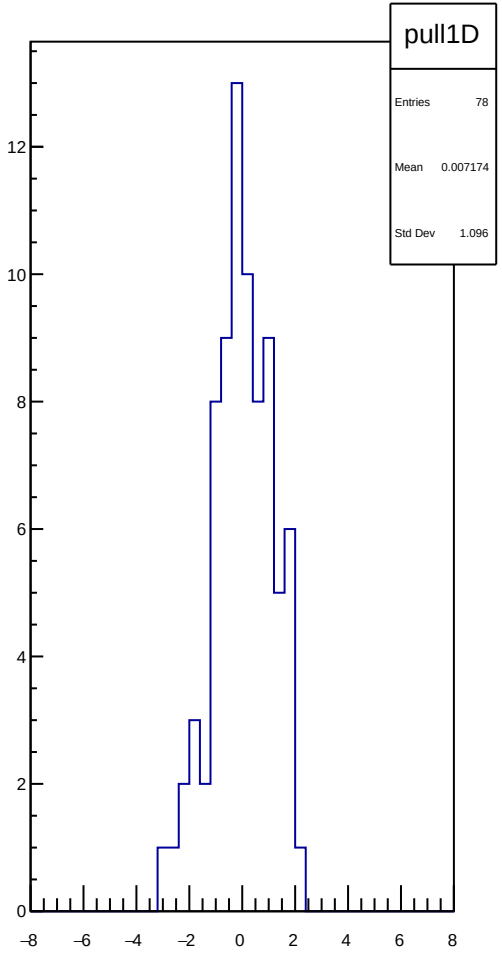

pull1D
Entries 78
Mean −0.008495
Std Dev 0.8338

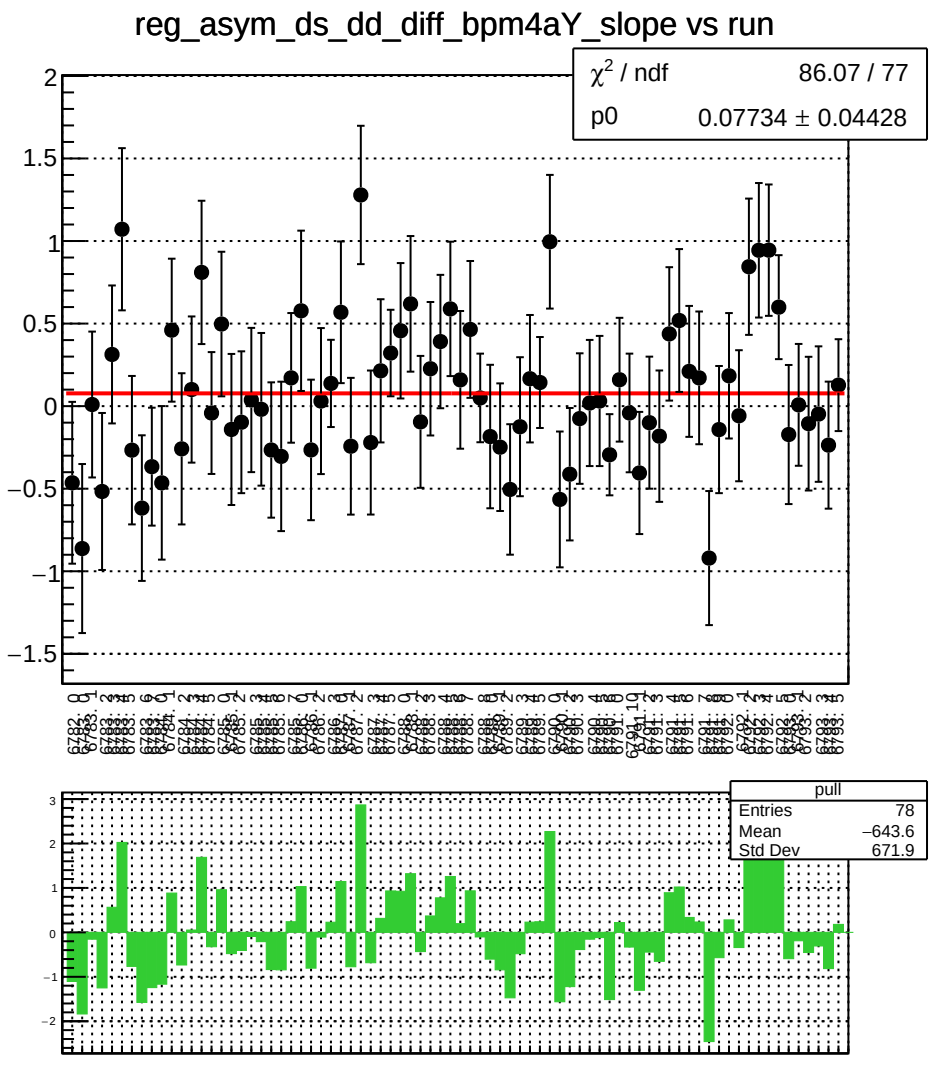

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.47 / 77
p0 0.2183 ± 0.06087
pull
Entries 78
Mean −4.06
Std Dev 68
pull1D
Entries 78
Mean 0.02485
Std Dev 1.047

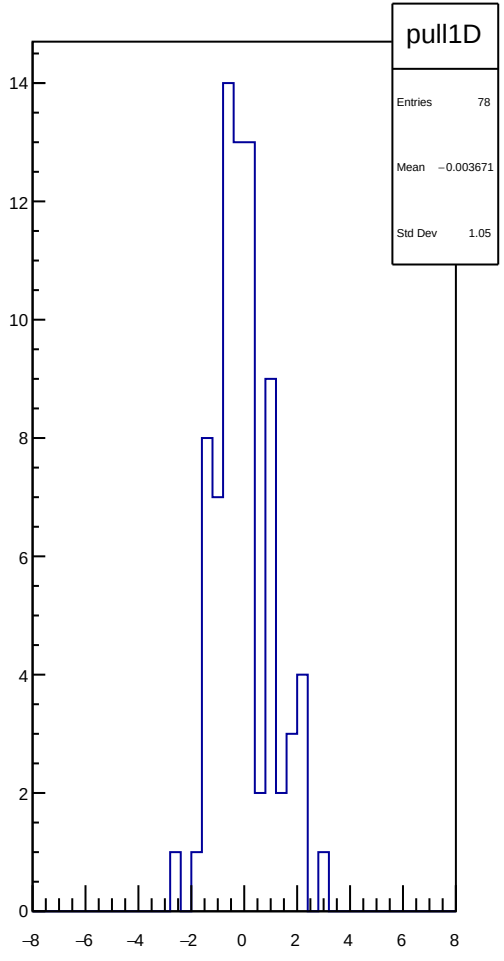

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 78.85 / 77
p0 0.002322 ± 0.004087
pull
Entries 78
Mean −9.015
Std Dev 120.6

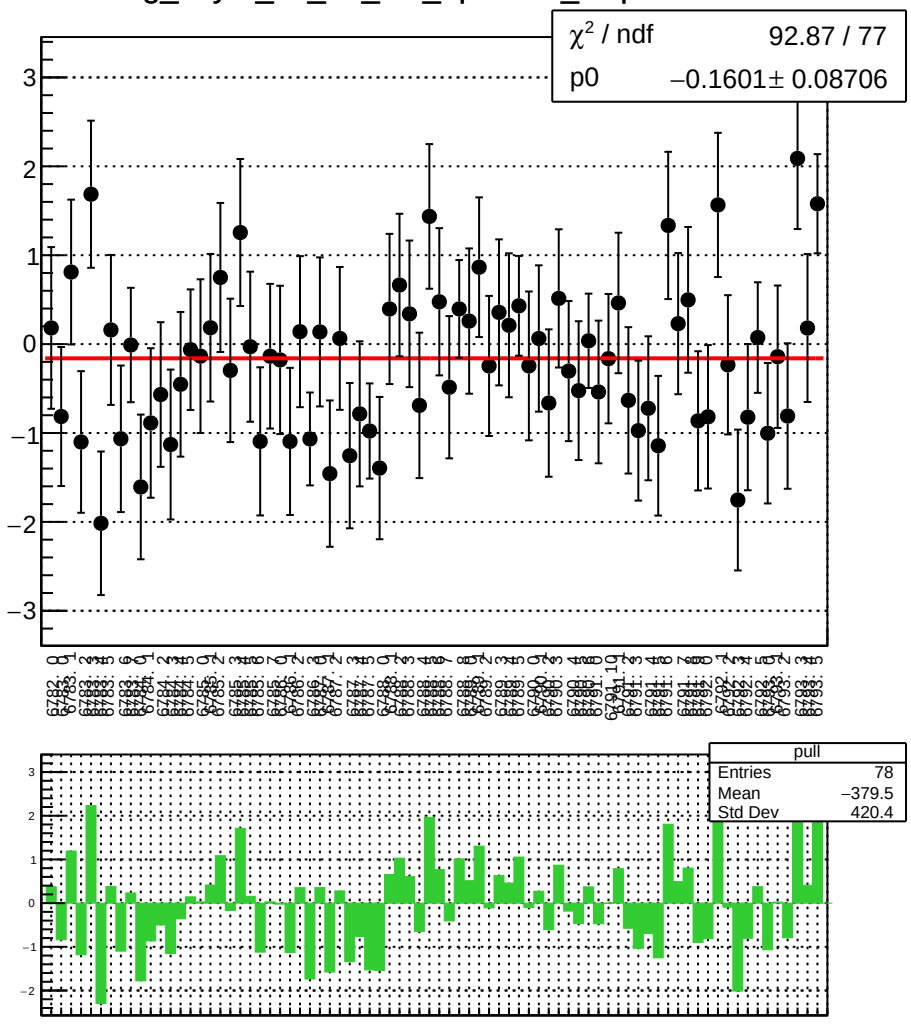

pull1D
Entries 78
Mean −0.006238
Std Dev 1.005

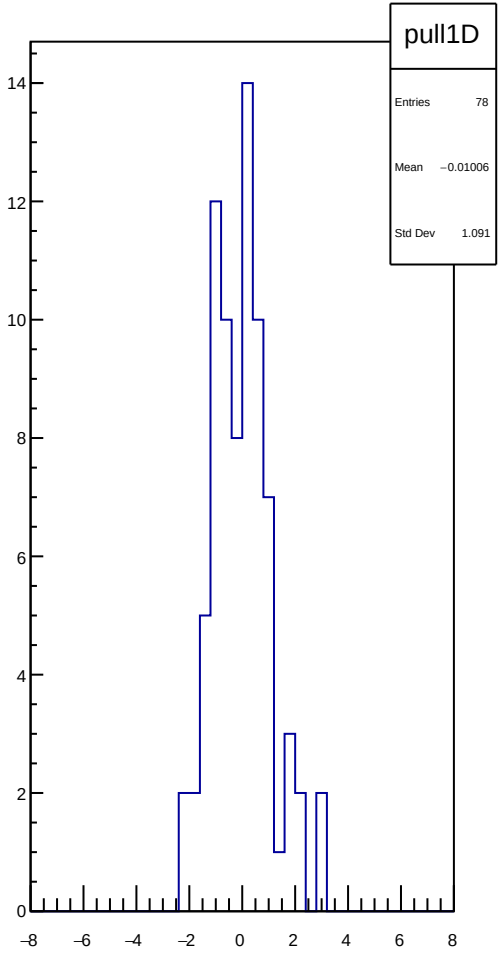

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ^2 / ndf 93.68 / 77
p0 0.1725 ± 0.09323
pull
Entries 78
Mean −595.9
Std Dev 637.3

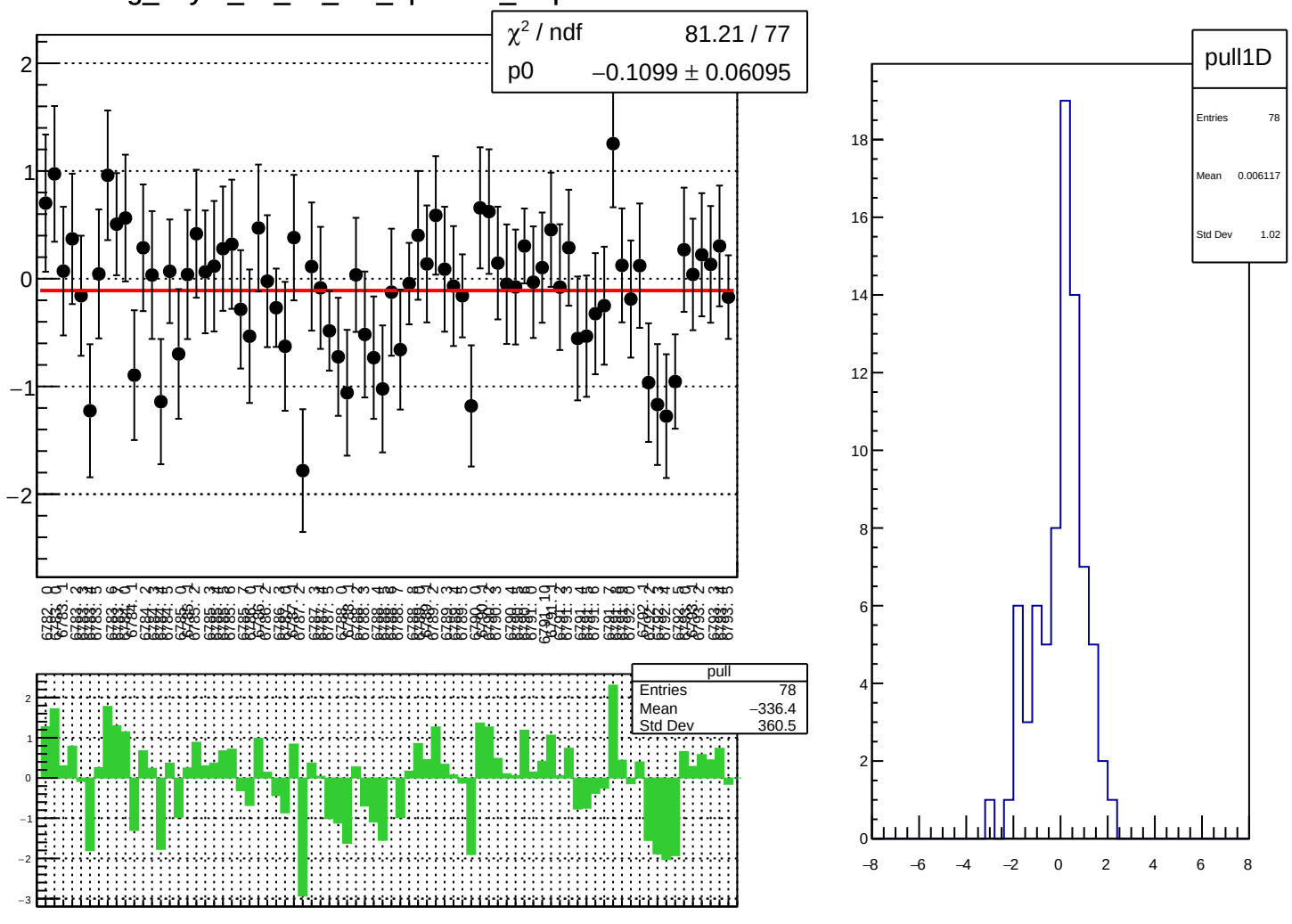

pull1D
Entries 78
Mean 0.007174
Std Dev 1.096

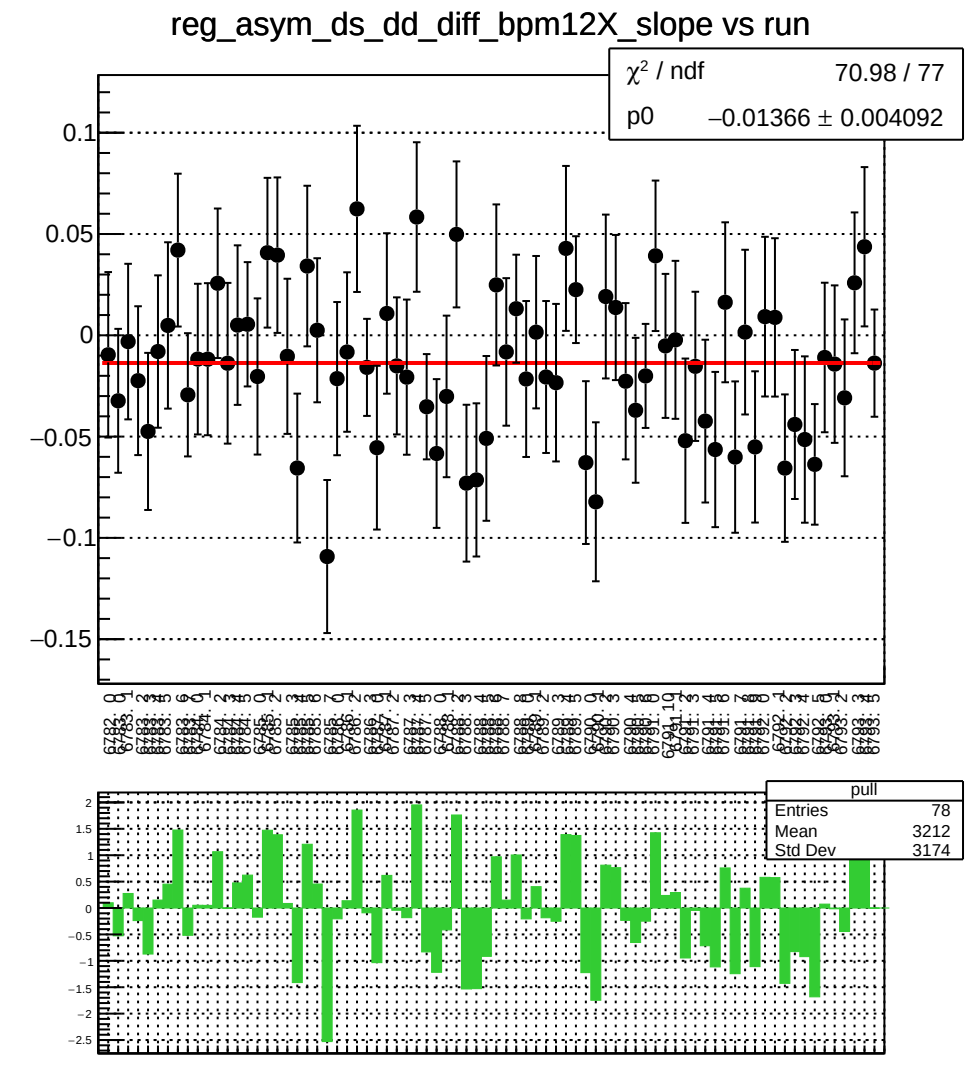

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.07 / 77
p0 0.07734 ± 0.04428
pull
Entries 78
Mean −643.6
Std Dev 671.9

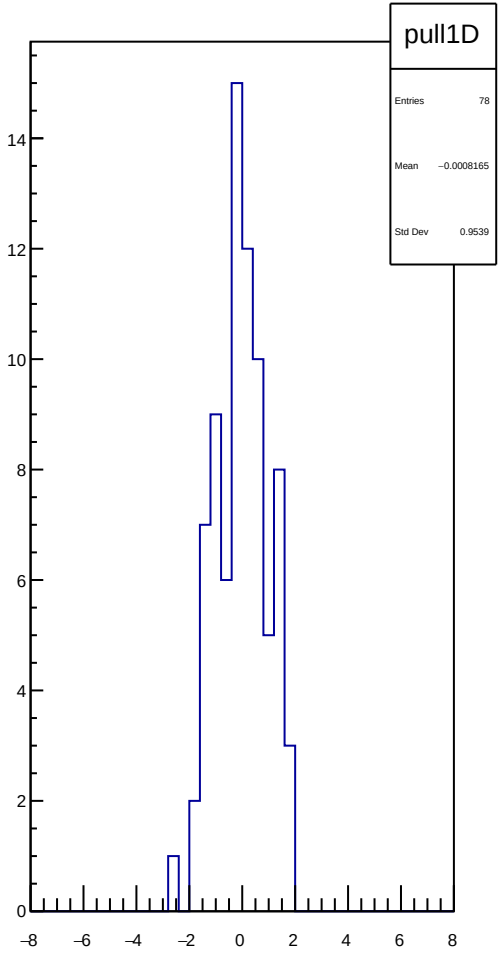

pull1D
Entries 78
Mean −0.003671
Std Dev 1.05

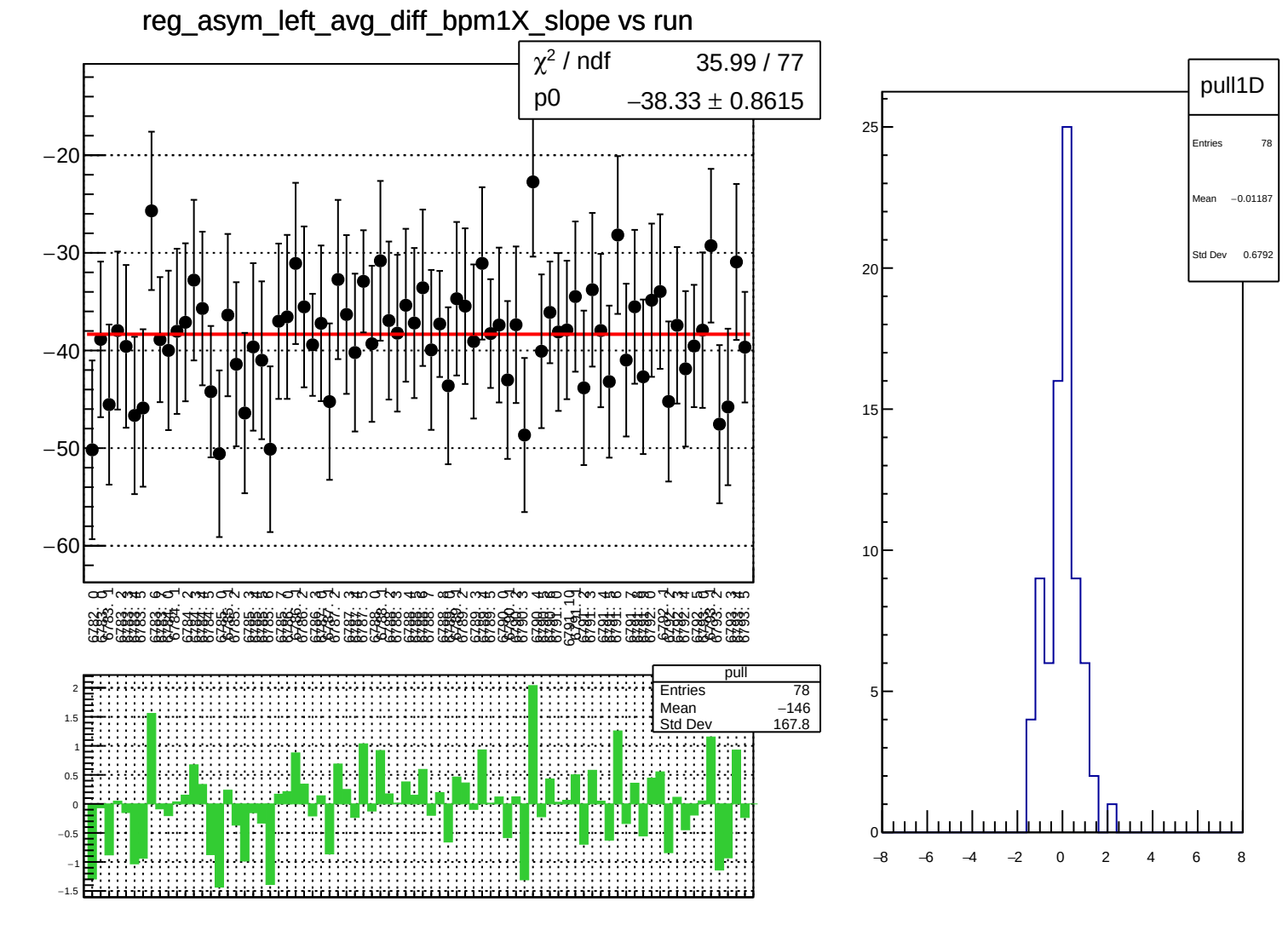

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.87 / 77
p0 −0.1601 ± 0.08706
pull
Entries 78
Mean −379.5
Std Dev 420.4

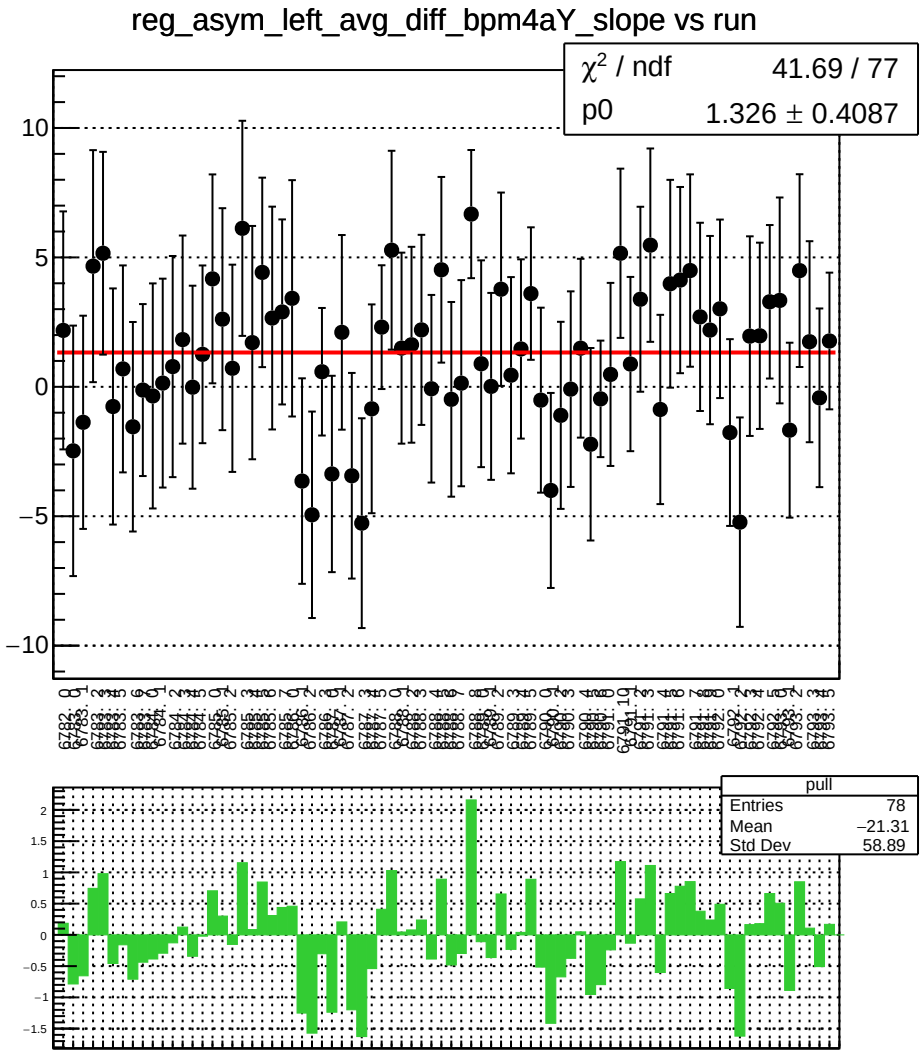

pull1D
Entries 78
Mean −0.01006
Std Dev 1.091

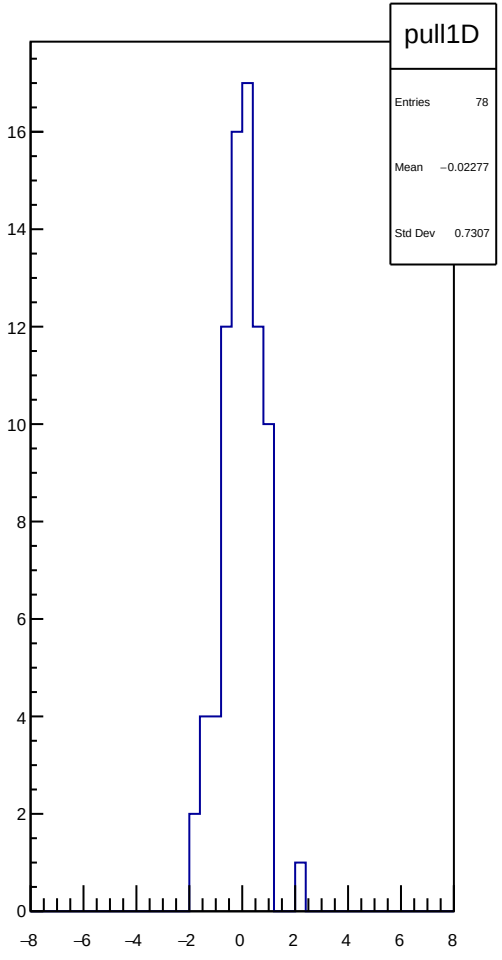

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 81.21 / 77
p0 −0.1099 ± 0.06095
pull
Entries 78
Mean −336.4
Std Dev 360.5
pull1D
Entries 78
Mean 0.006117
Std Dev 1.02

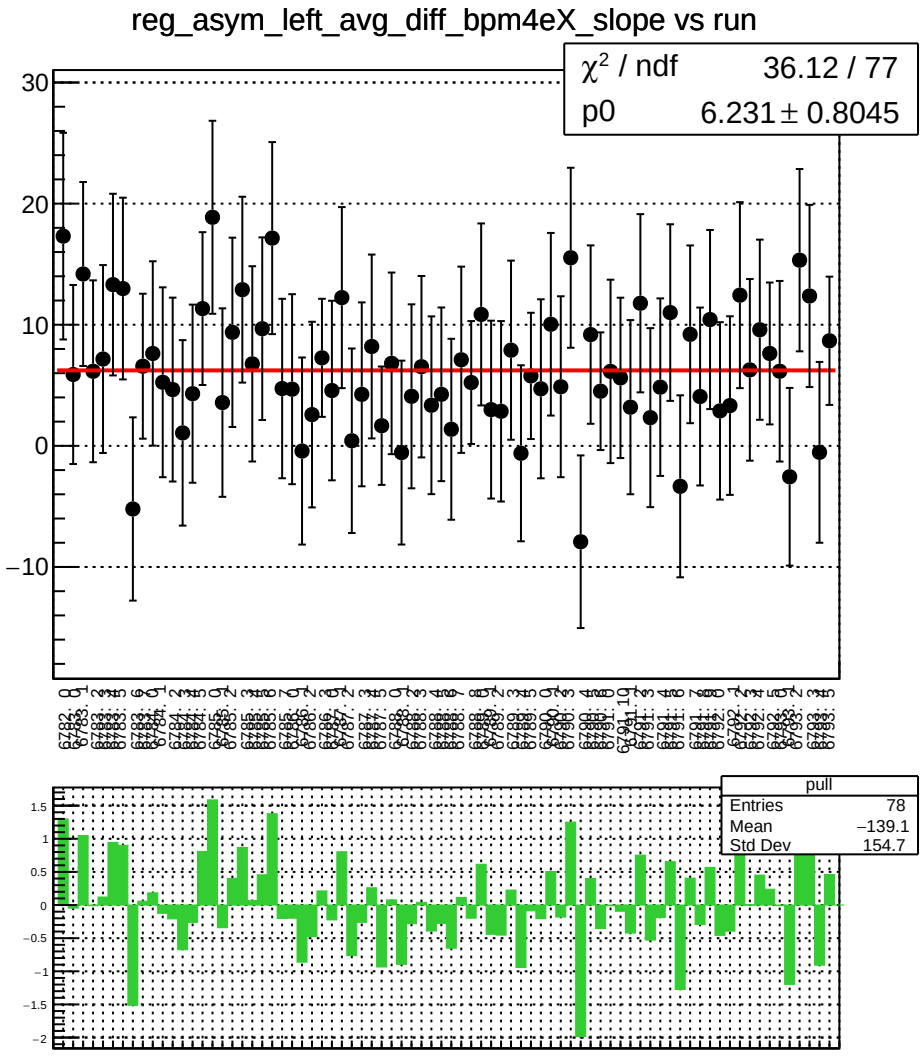

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 70.98 / 77
p0 −0.01366 ± 0.004092
pull
Entries 78
Mean 3212
Std Dev 3174

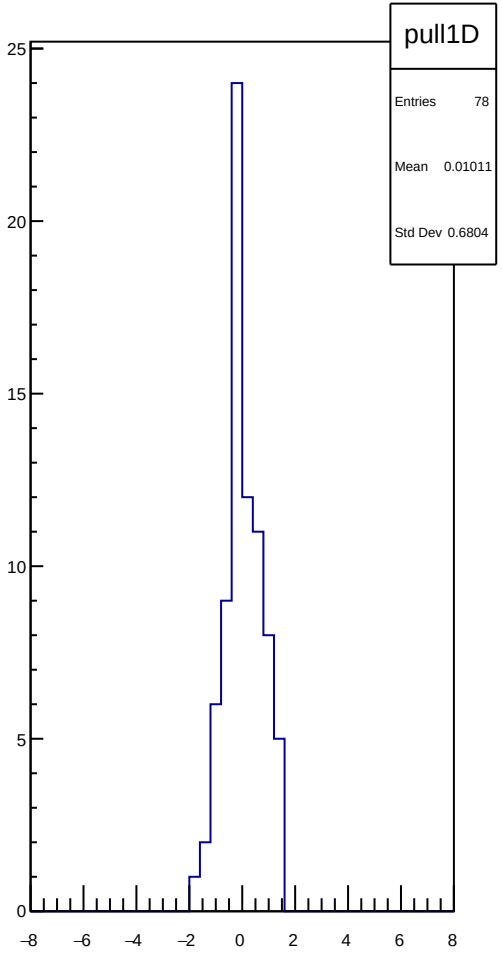

pull1D
Entries 78
Mean −0.0008165
Std Dev 0.9539

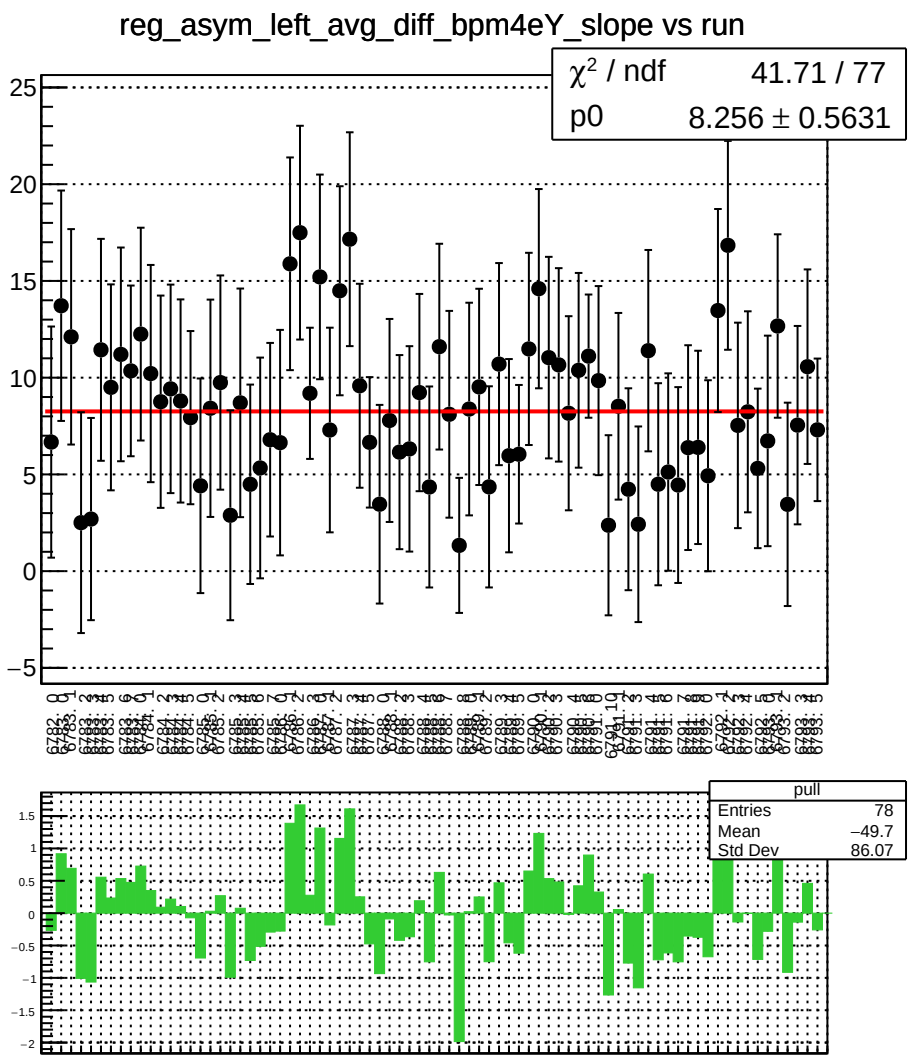

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 35.99 / 77
p0 −38.33 ± 0.8615
pull
Entries 78
Mean −146
Std Dev 167.8
pull1D
Entries 78
Mean −0.01187
Std Dev 0.6792

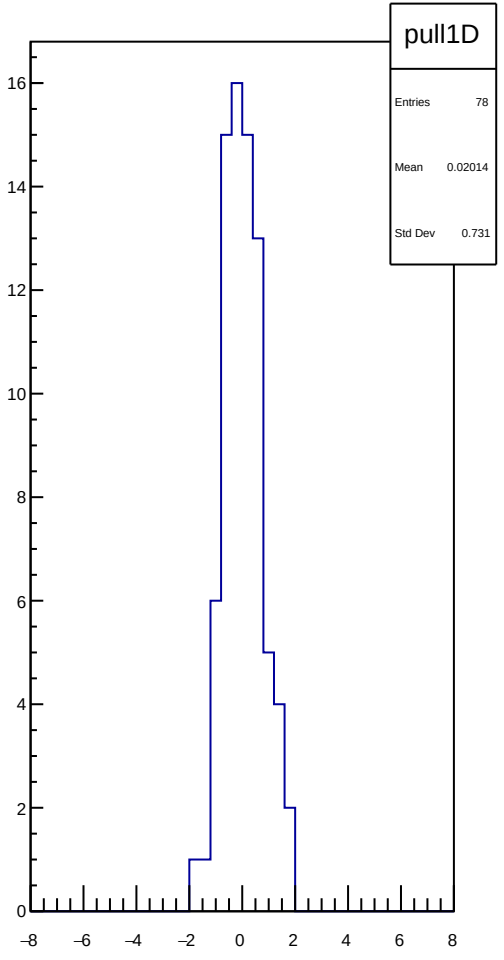

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.69 / 77
p0 1.326 ± 0.4087
pull
Entries 78
Mean −21.31
Std Dev 58.89

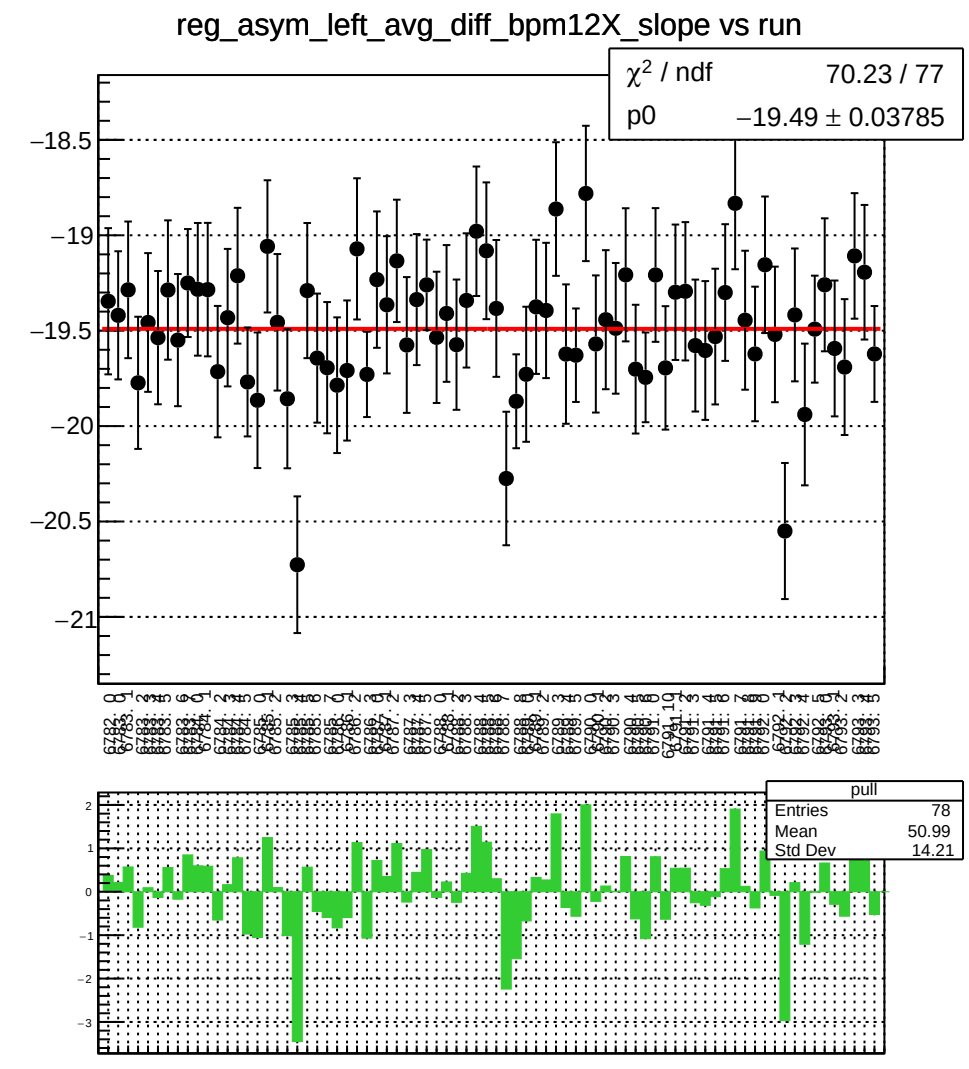

pull1D
Entries 78
Mean −0.02277
Std Dev 0.7307

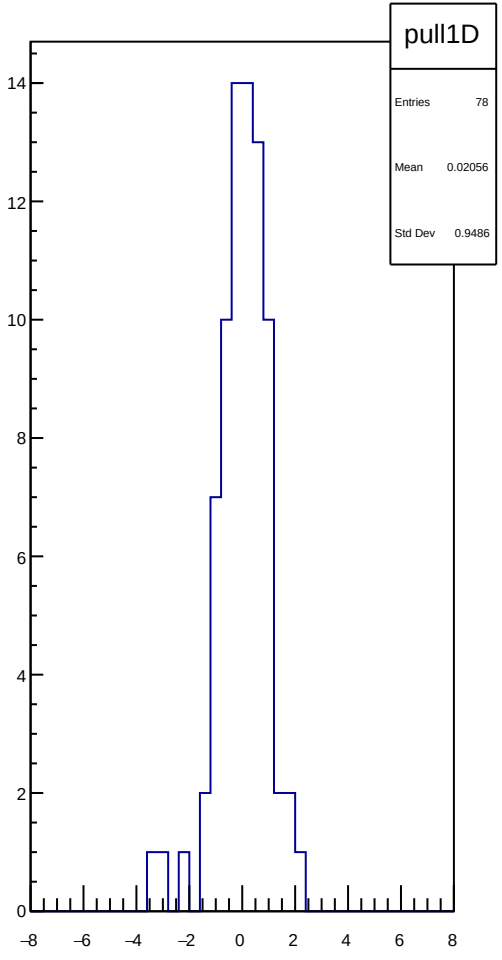

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.12 / 77
p0 6.231 ± 0.8045
pull
Entries 78
Mean −139.1
Std Dev 154.7

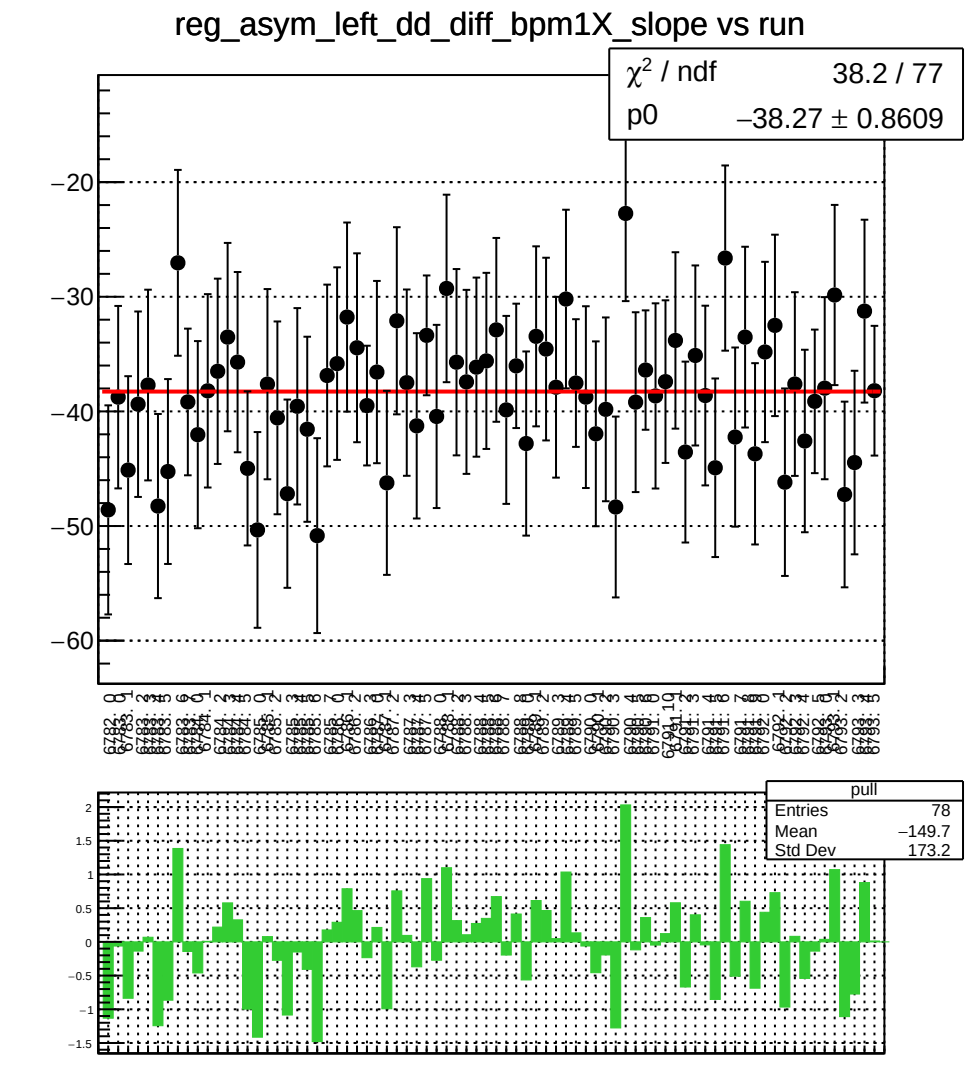

pull1D
Entries 78
Mean 0.01011
Std Dev 0.6804

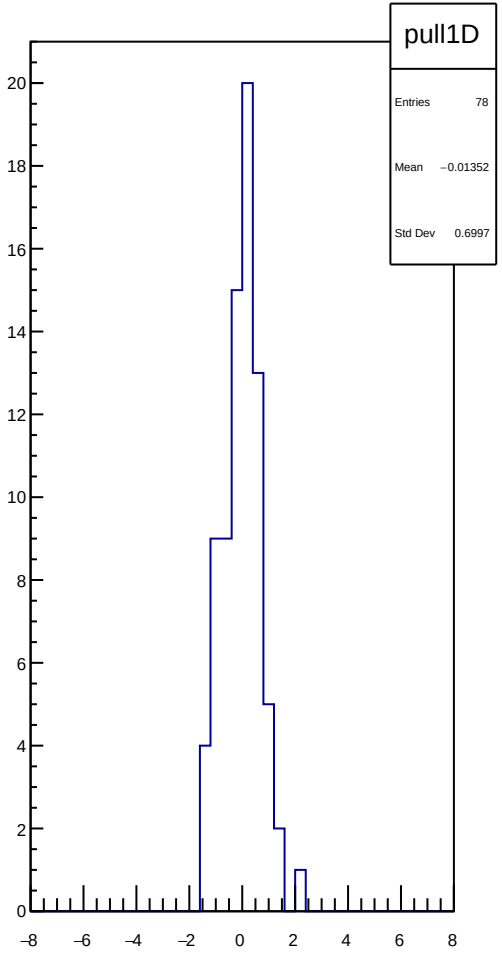

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.71 / 77
p0 8.256 ± 0.5631
pull
Entries 78
Mean −49.7
Std Dev 86.07

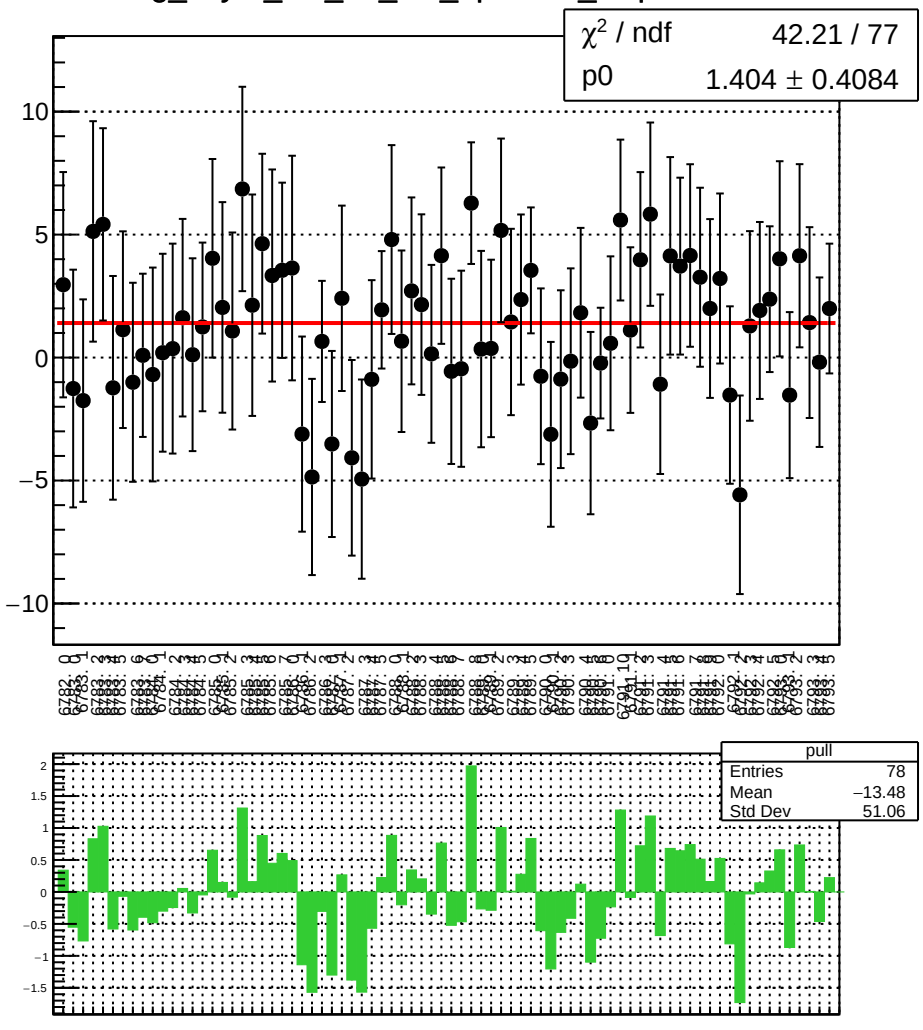

pull1D
Entries 78
Mean 0.02014
Std Dev 0.731

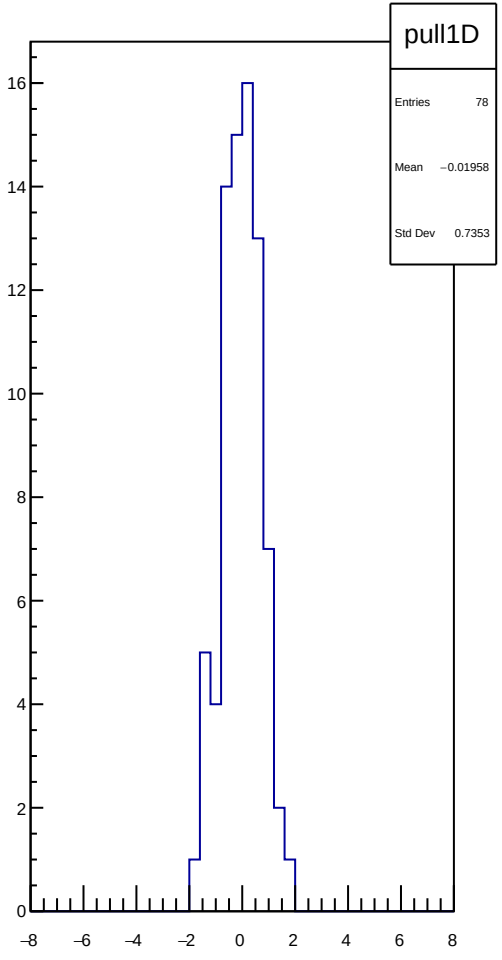

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 70.23 / 77
p0 −19.49 ± 0.03785
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 78
Mean 50.99
Std Dev 14.21
2
1
0
−1
−2
−3

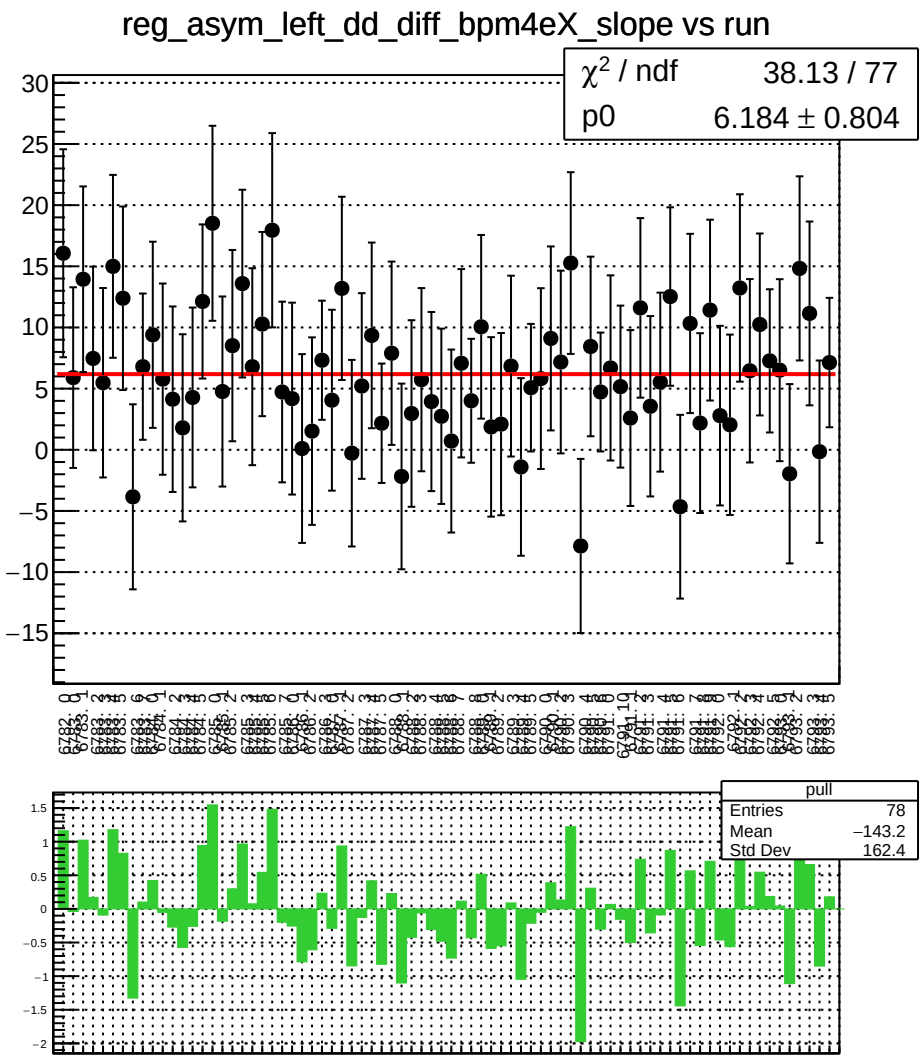

pull1D
Entries 78
Mean 0.02056
Std Dev 0.9486
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

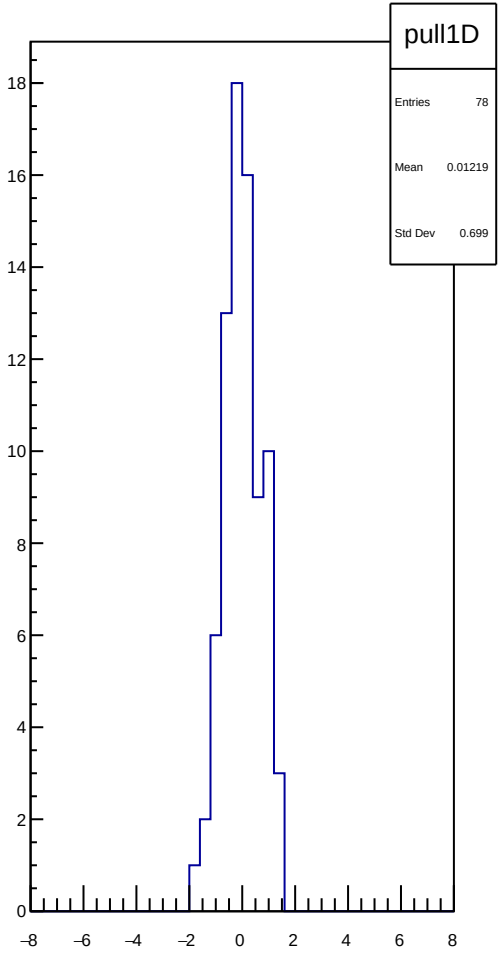

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 38.2 / 77
p0 −38.27 ± 0.8609
pull
Entries 78
Mean −149.7
Std Dev 173.2

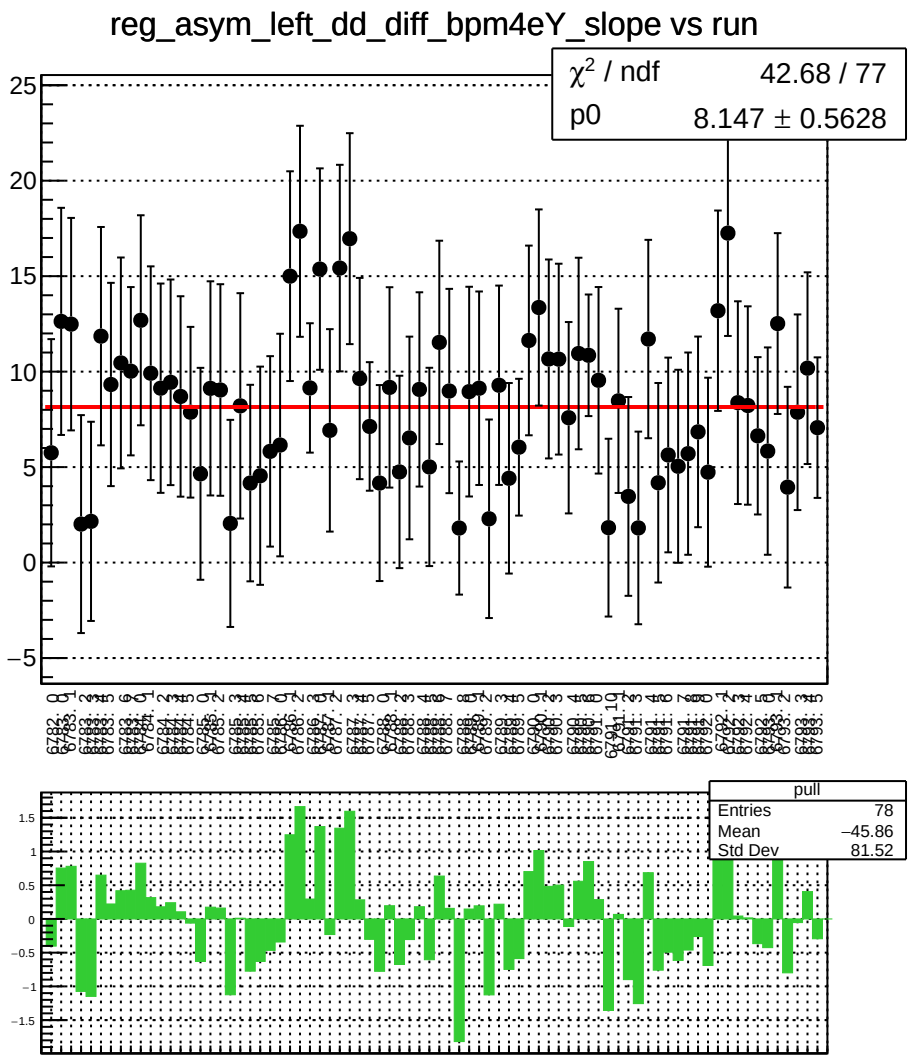

pull1D
Entries 78
Mean −0.01352
Std Dev 0.6997

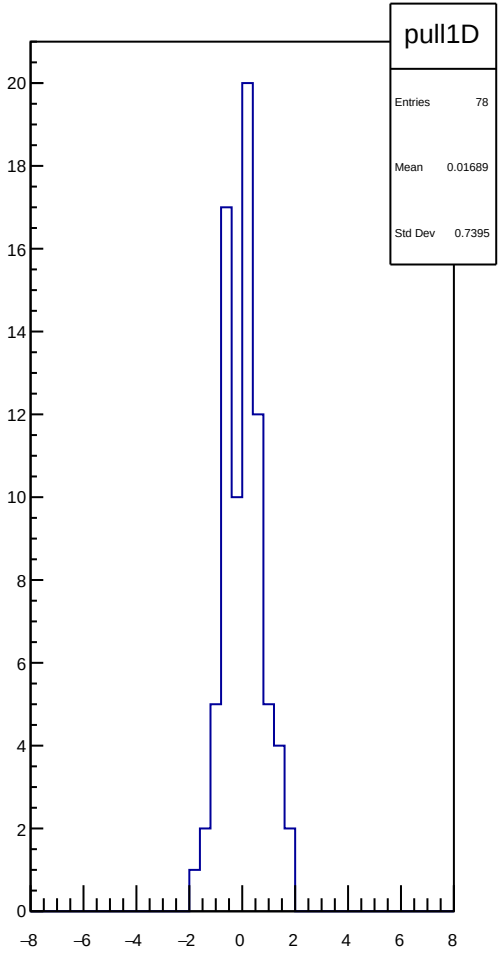

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.21 / 77
p0 1.404 ± 0.4084
pull
Entries 78
Mean −13.48
Std Dev 51.06

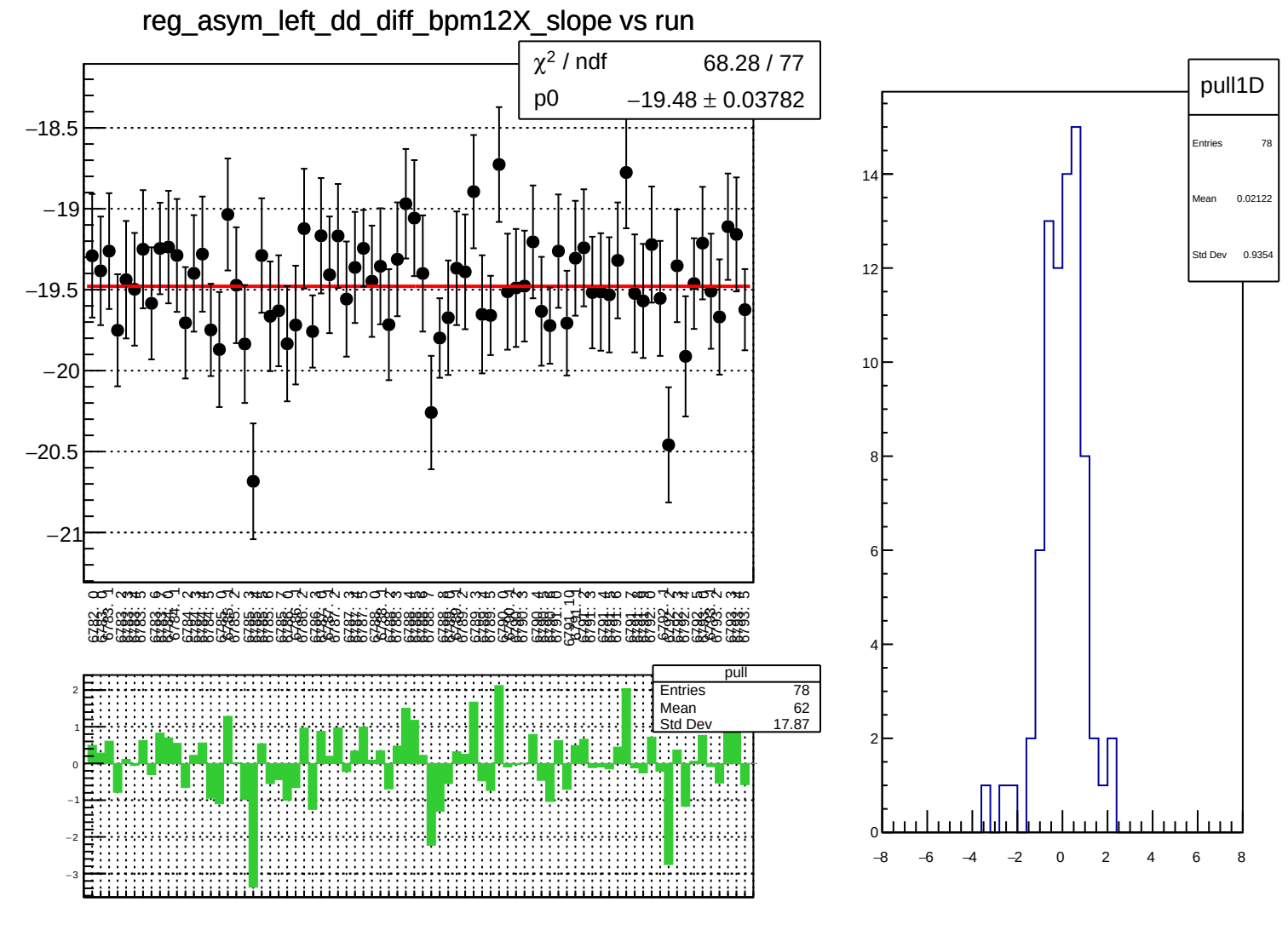

pull1D
Entries 78
Mean −0.01958
Std Dev 0.7353

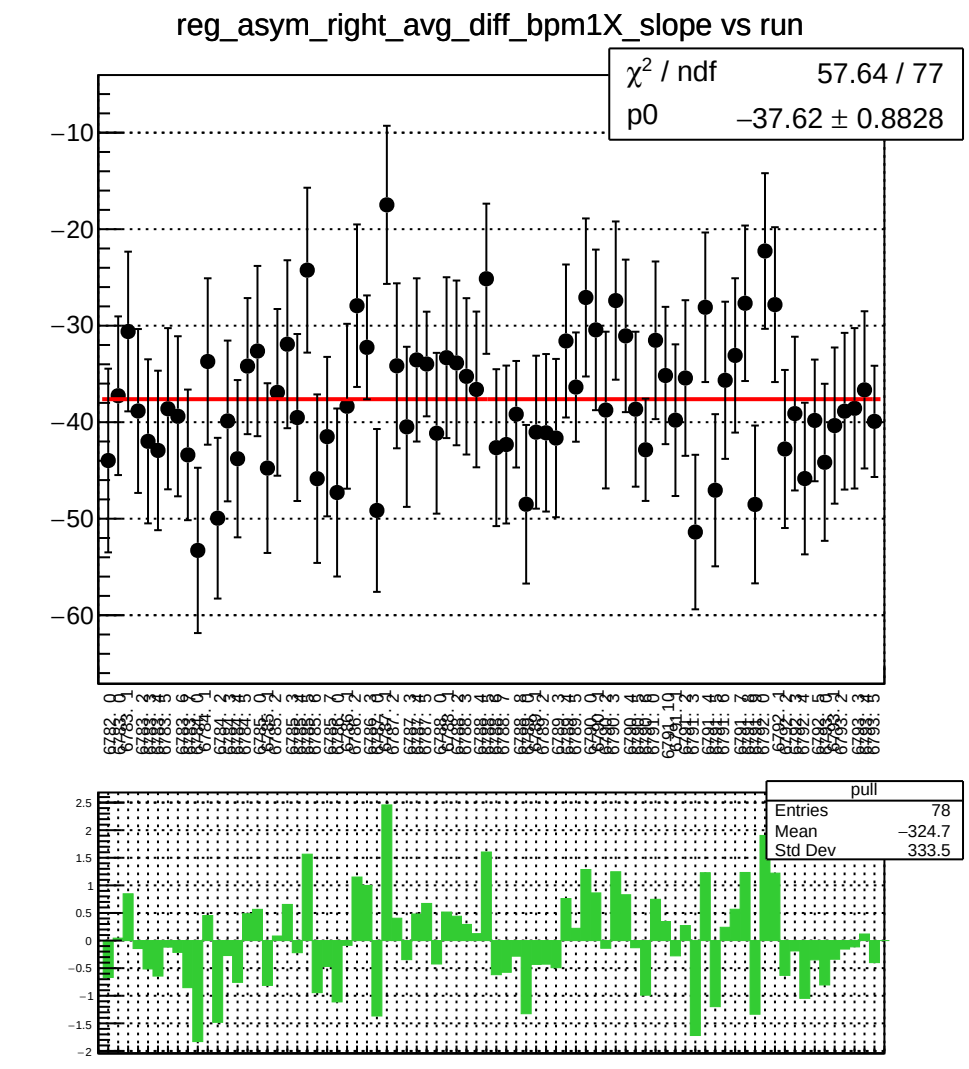

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 38.13 / 77
p0 6.184 ± 0.804
pull
Entries 78
Mean −143.2
Std Dev 162.4

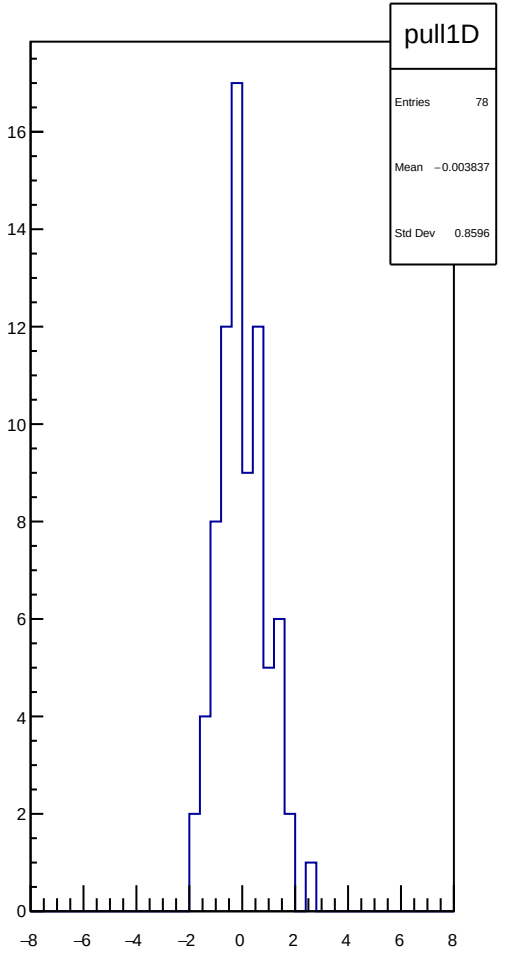

pull1D
Entries 78
Mean 0.01219
Std Dev 0.699

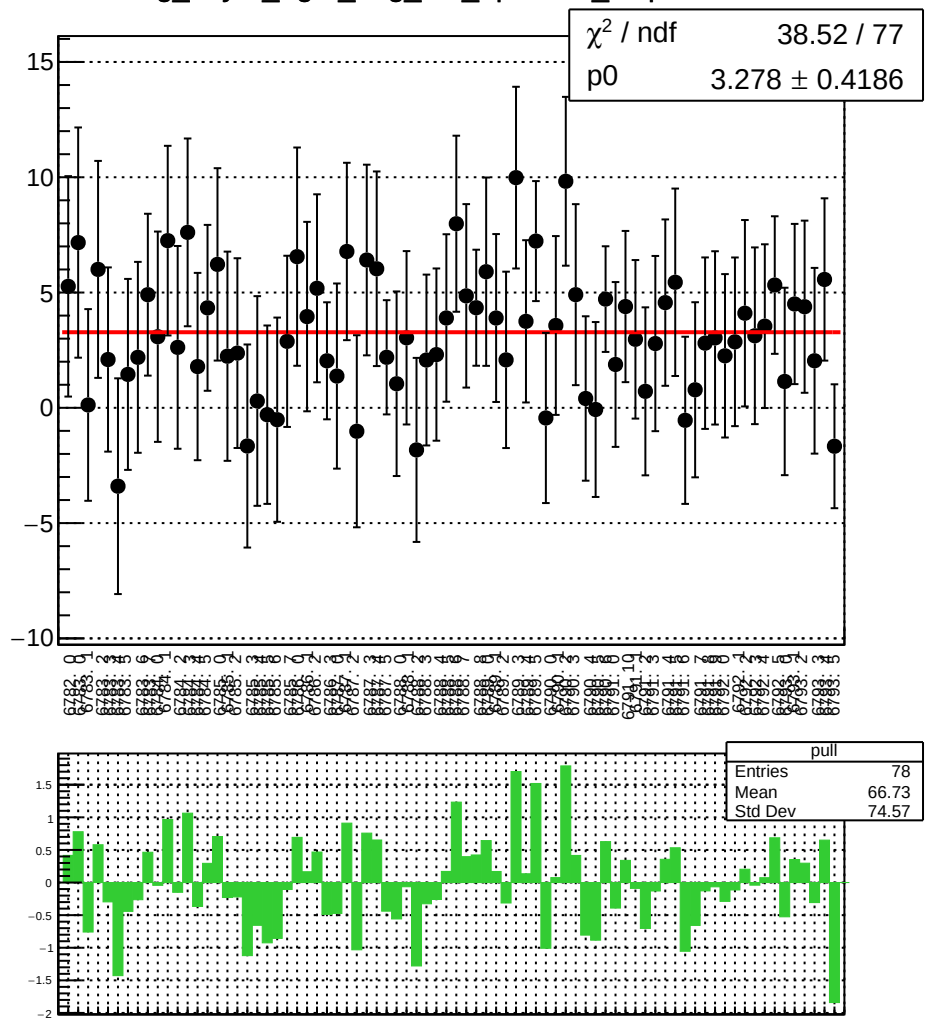

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.68 / 77
p0 8.147 ± 0.5628
pull
Entries 78
Mean −45.86
Std Dev 81.52

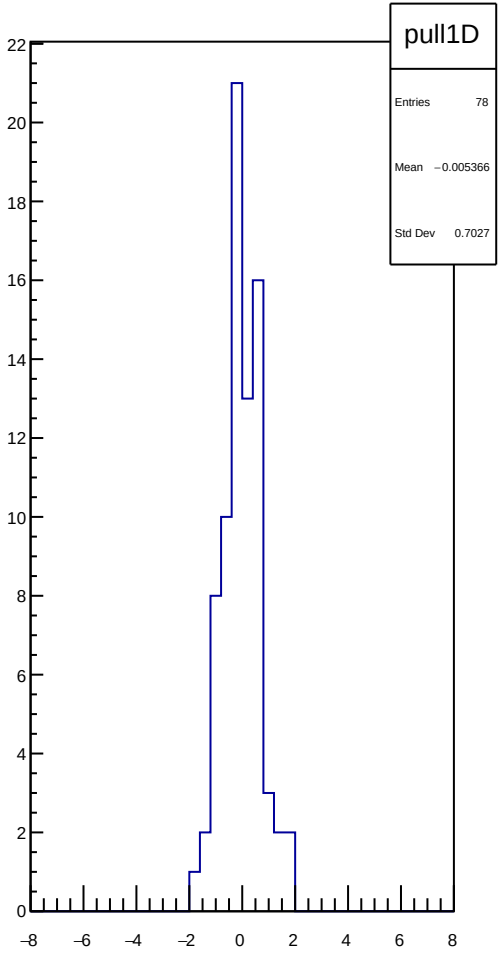

pull1D
Entries 78
Mean 0.01689
Std Dev 0.7395

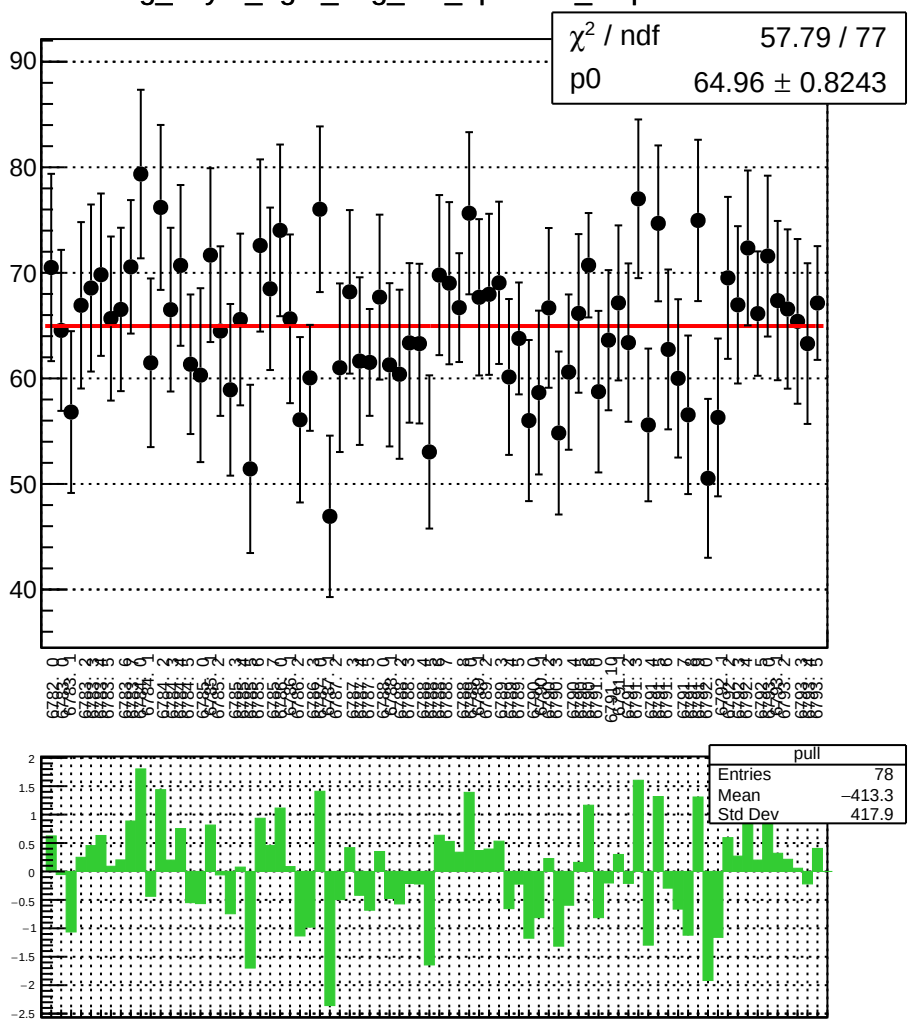

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 68.28 / 77
p0 −19.48 ± 0.03782
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 78
Mean 62
Std Dev 17.87
pull1D
Entries 78
Mean 0.02122
Std Dev 0.9354

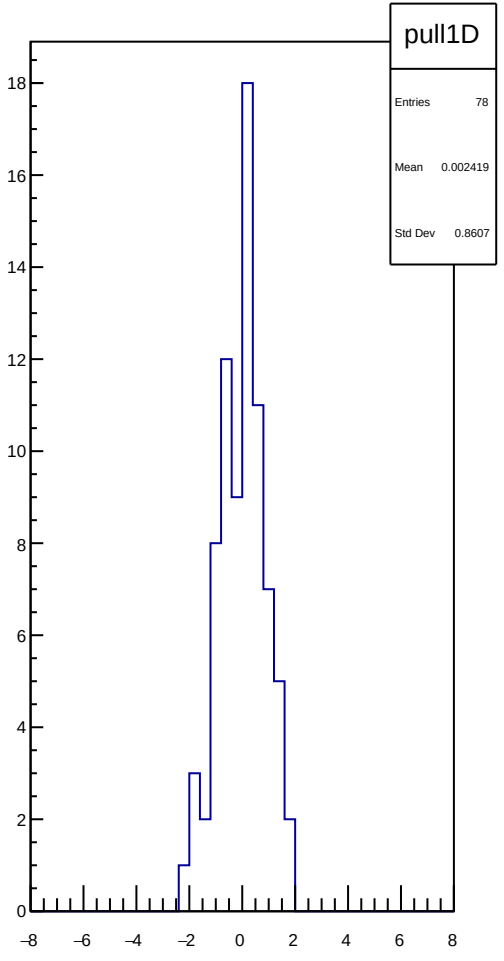

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 57.64 / 77
p0 −37.62 ± 0.8828
pull
Entries 78
Mean −324.7
Std Dev 333.5

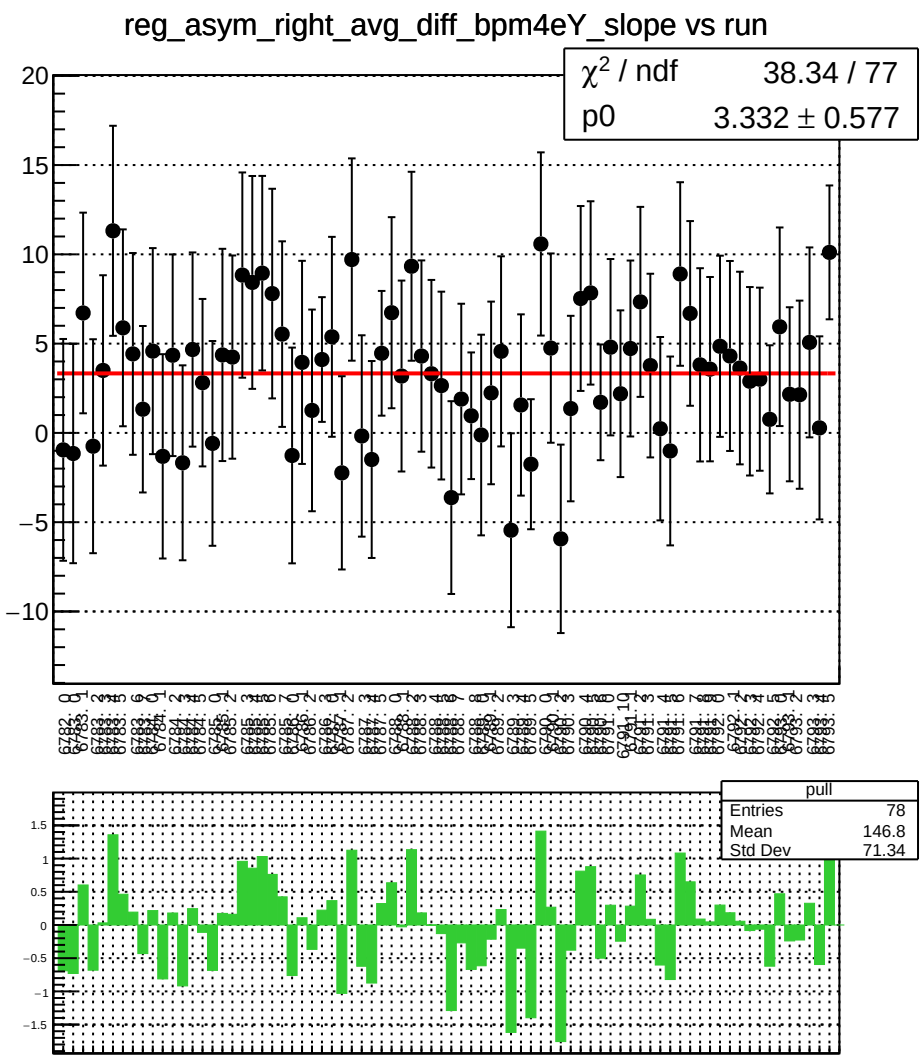

pull1D
Entries 78
Mean −0.003837
Std Dev 0.8596

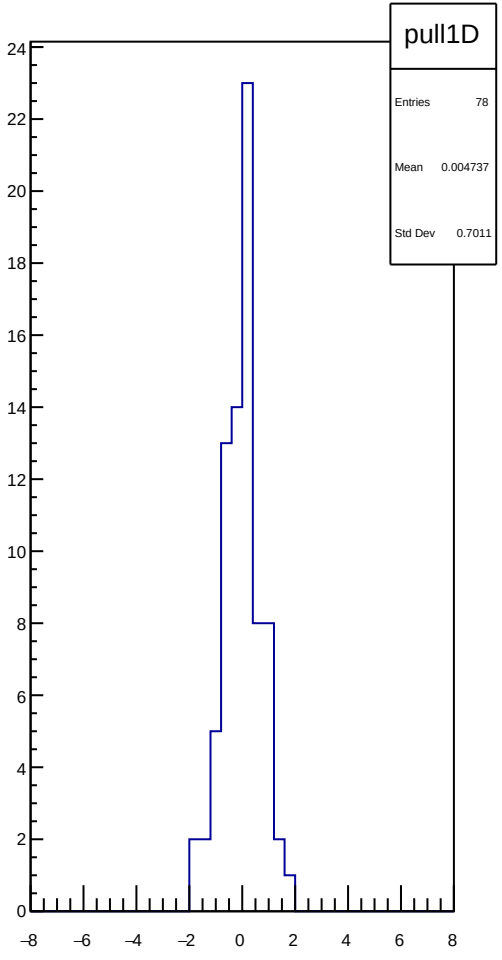

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 38.52 / 77
p0 3.278 ± 0.4186
pull
Entries 78
Mean 66.73
Std Dev 74.57

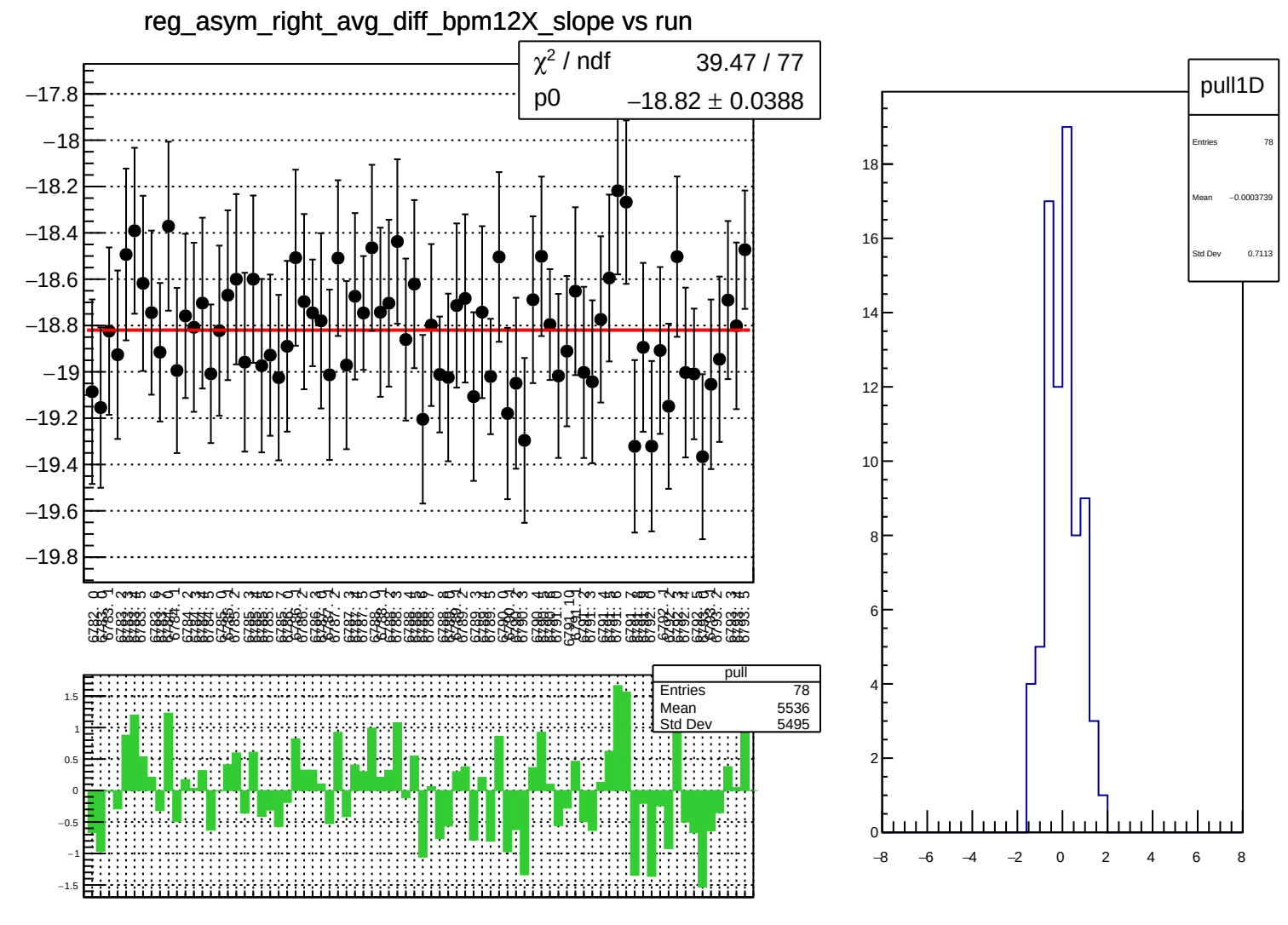

pull1D
Entries 78
Mean −0.005366
Std Dev 0.7027

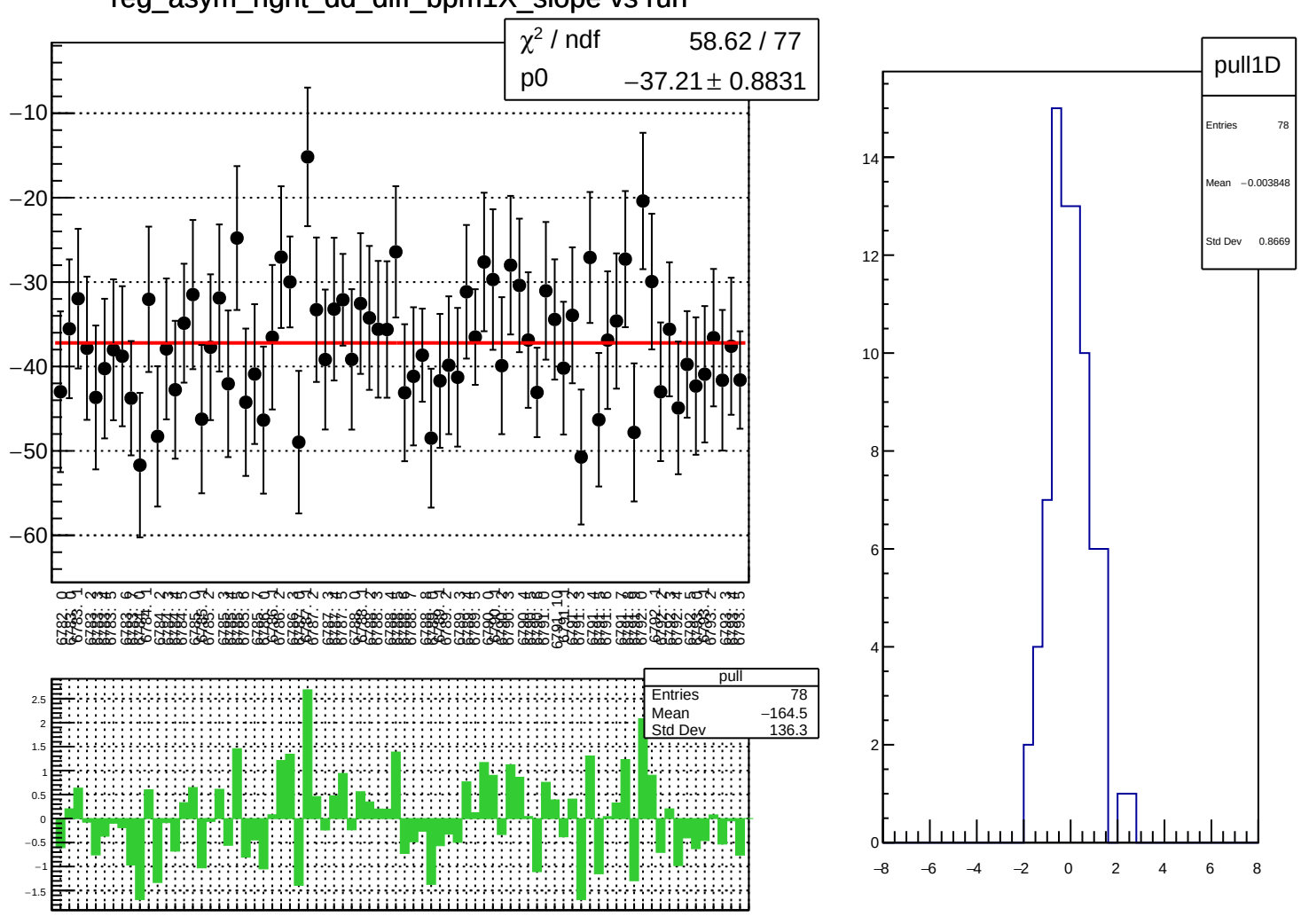

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.79 / 77
p0 64.96 ± 0.8243
pull
Entries 78
Mean −413.3
Std Dev 417.9

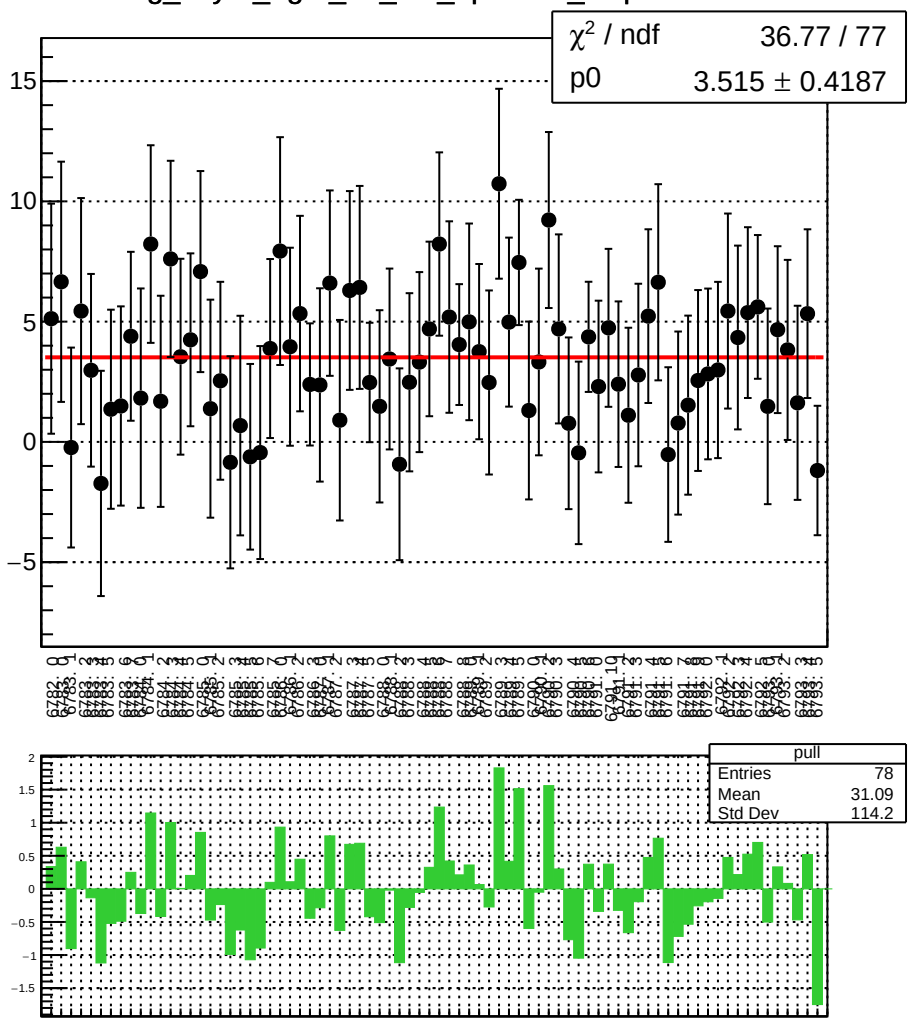

pull1D
Entries 78
Mean 0.002419
Std Dev 0.8607

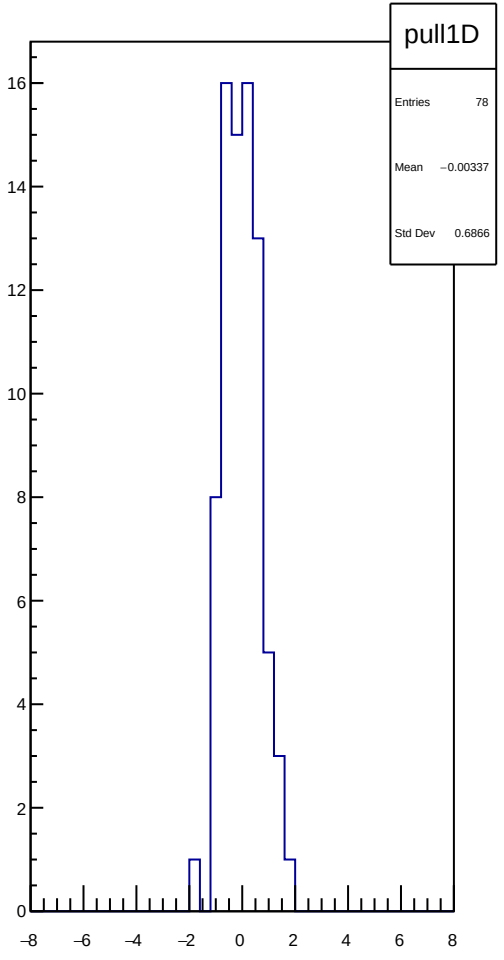

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.34 / 77
p0 3.332 ± 0.577
pull
Entries 78
Mean 146.8
Std Dev 71.34

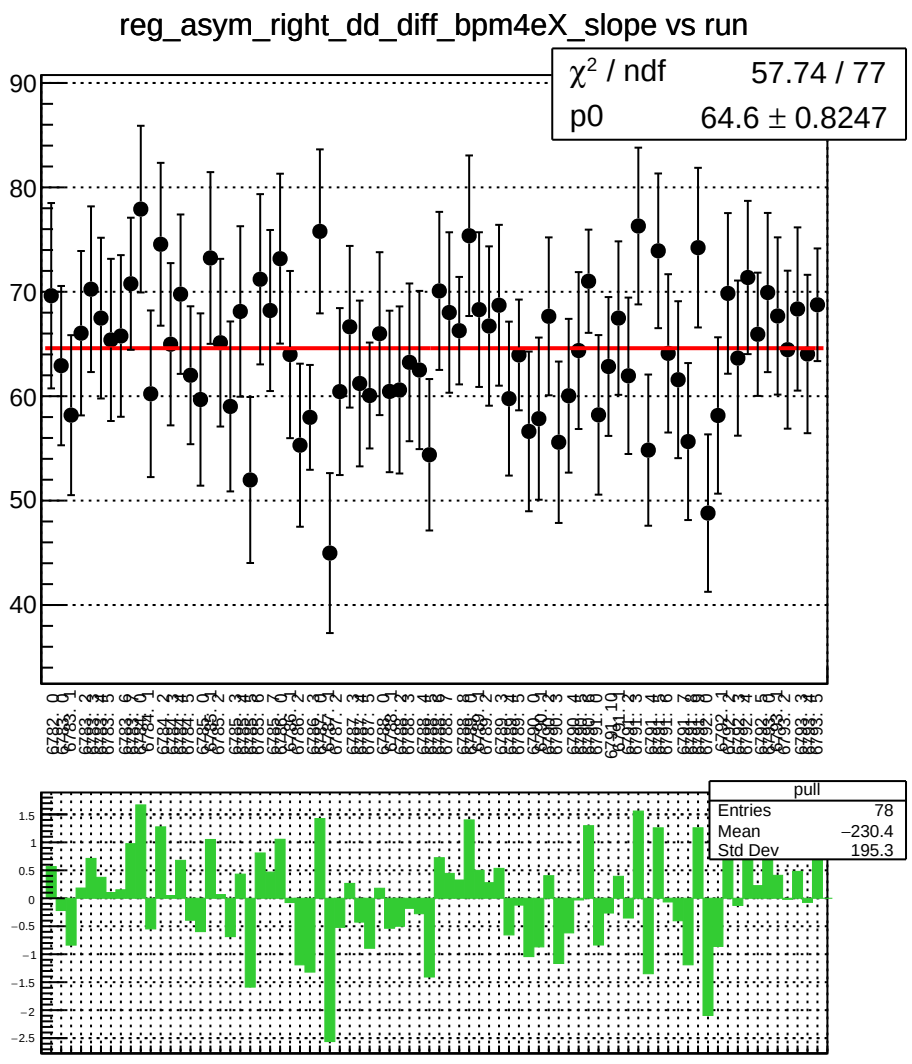

pull1D
Entries 78
Mean 0.004737
Std Dev 0.7011

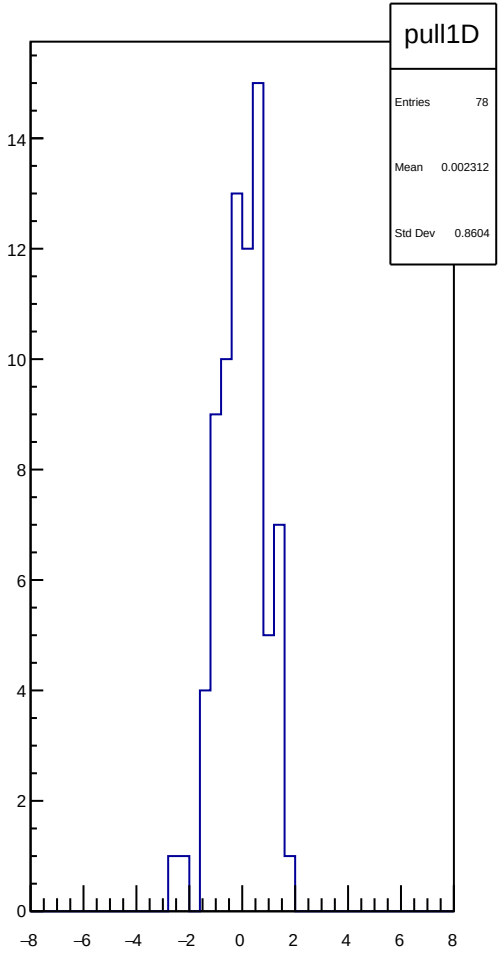

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 39.47 / 77
p0 −18.82 ± 0.0388
pull
Entries 78
Mean 5536
Std Dev 5495
pull1D
Entries 78
Mean −0.0003739
Std Dev 0.7113

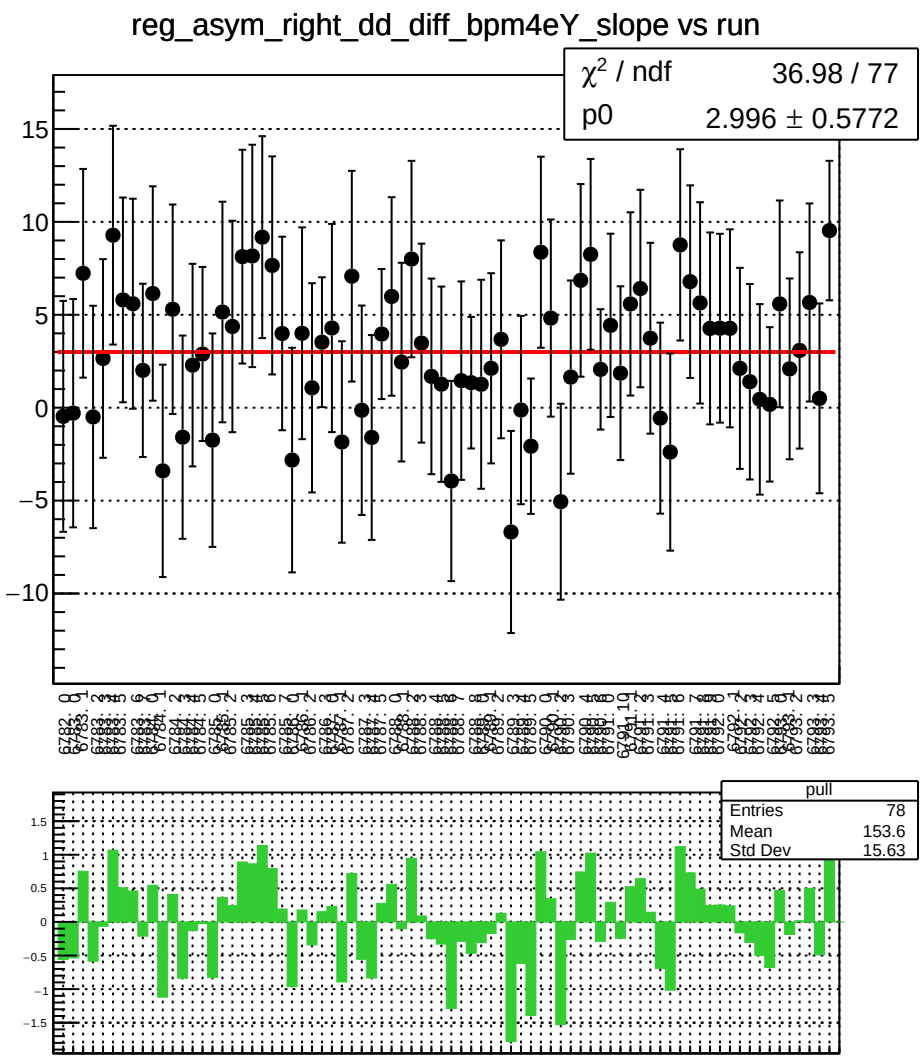

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 58.62 / 77
p0 −37.21 ± 0.8831
pull
Entries 78
Mean −164.5
Std Dev 136.3
pull1D
Entries 78
Mean −0.003848
Std Dev 0.8669

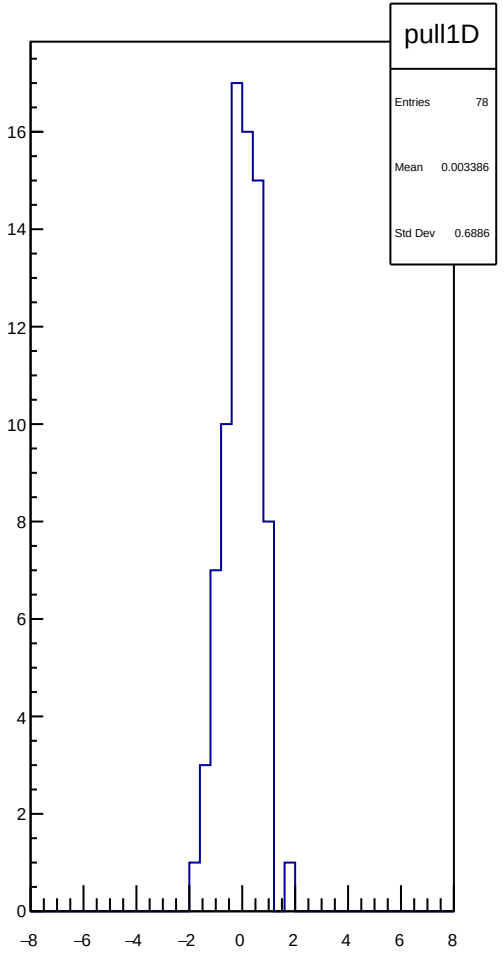

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.77 / 77
p0 3.515 ± 0.4187
pull
Entries 78
Mean 31.09
Std Dev 114.2

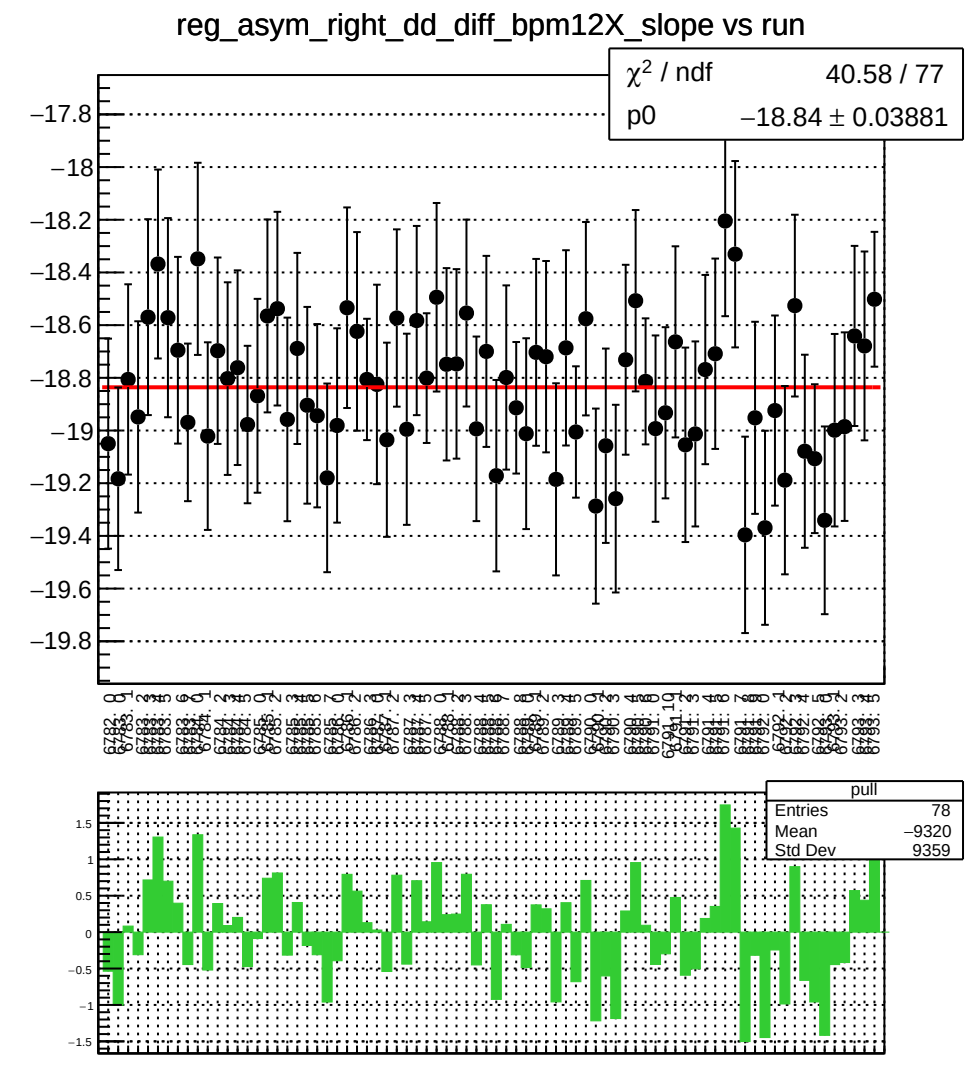

pull1D
Entries 78
Mean −0.00337
Std Dev 0.6866

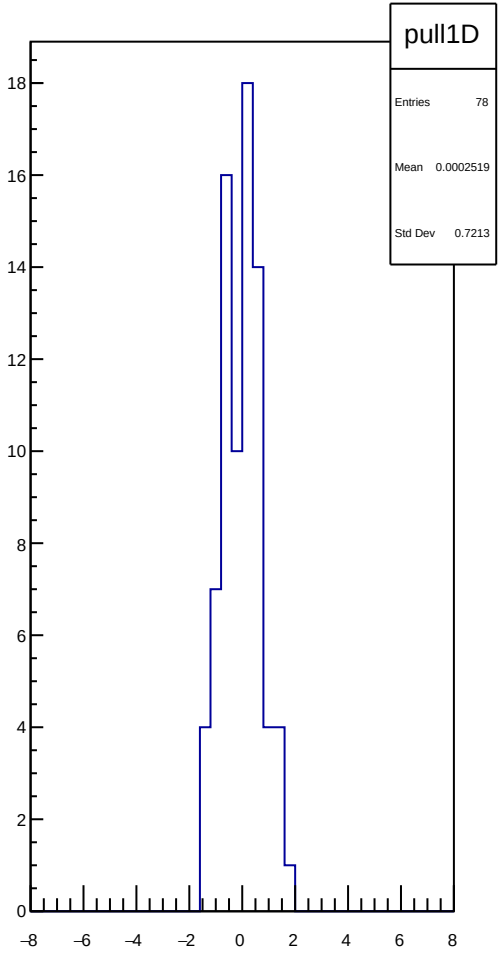

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.74 / 77
p0 64.6 ± 0.8247
pull
Entries 78
Mean −230.4
Std Dev 195.3

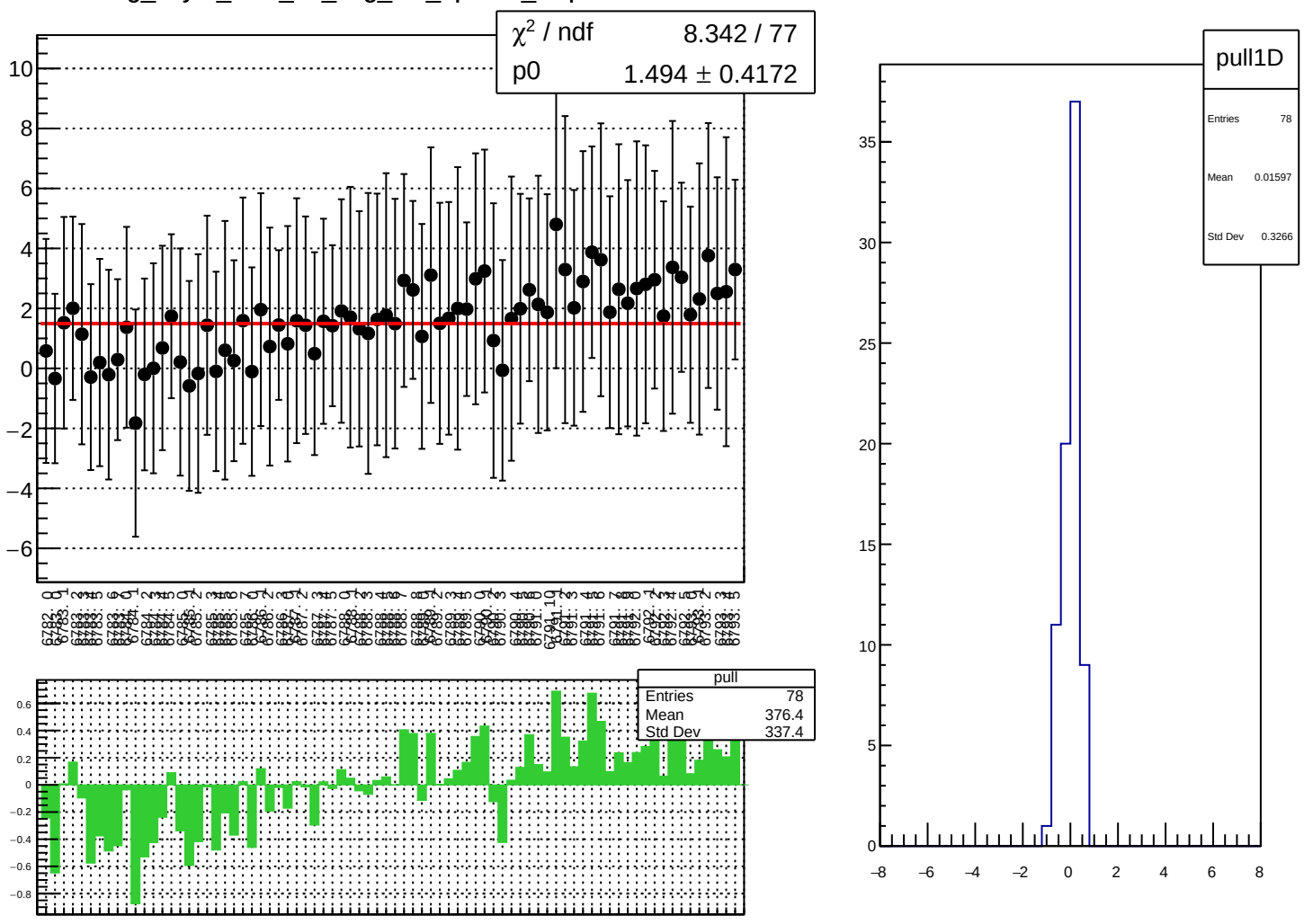

pull1D
Entries 78
Mean 0.002312
Std Dev 0.8604

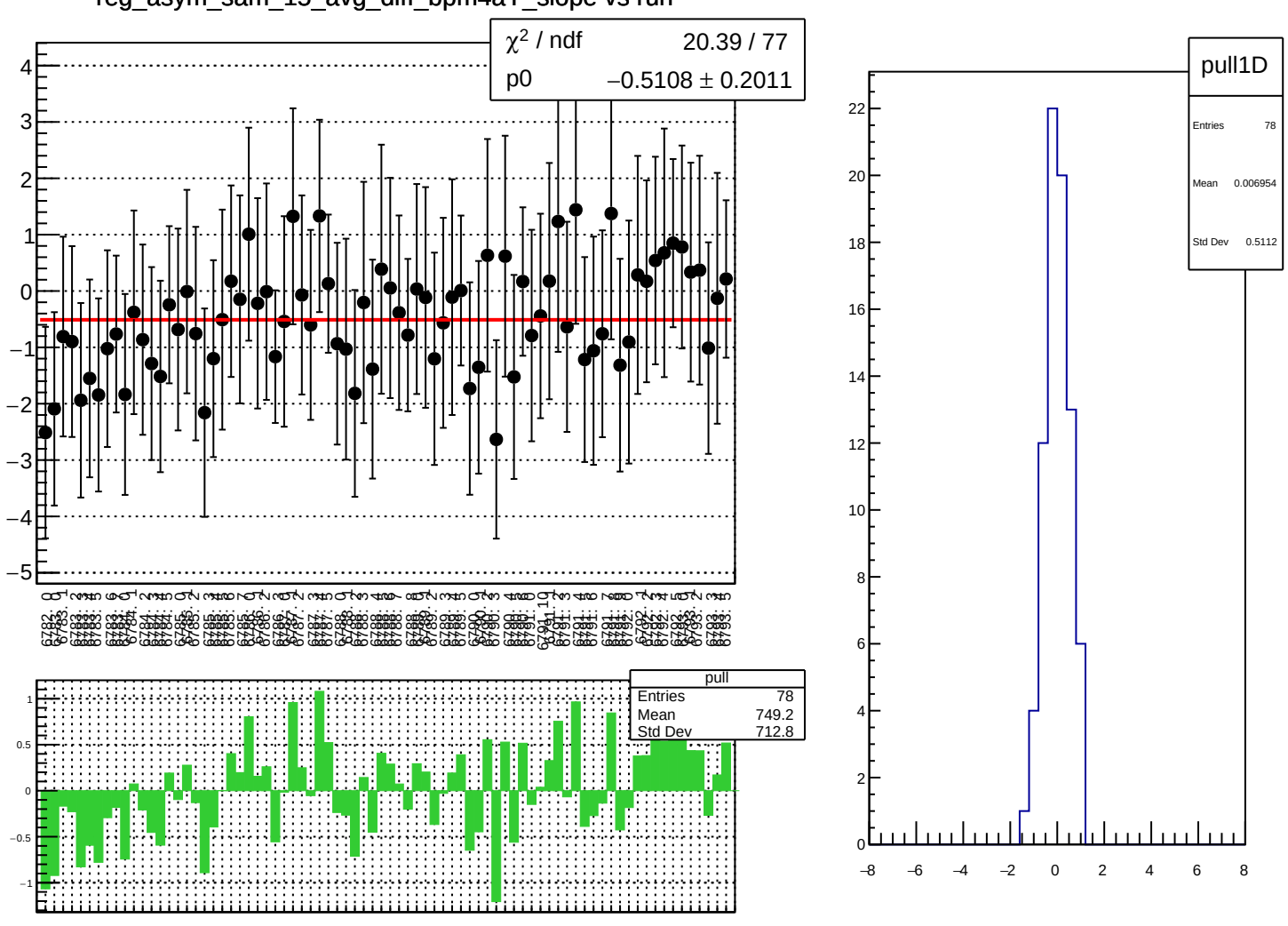

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.98 / 77
p0 2.996 ± 0.5772
pull
Entries 78
Mean 153.6
Std Dev 15.63

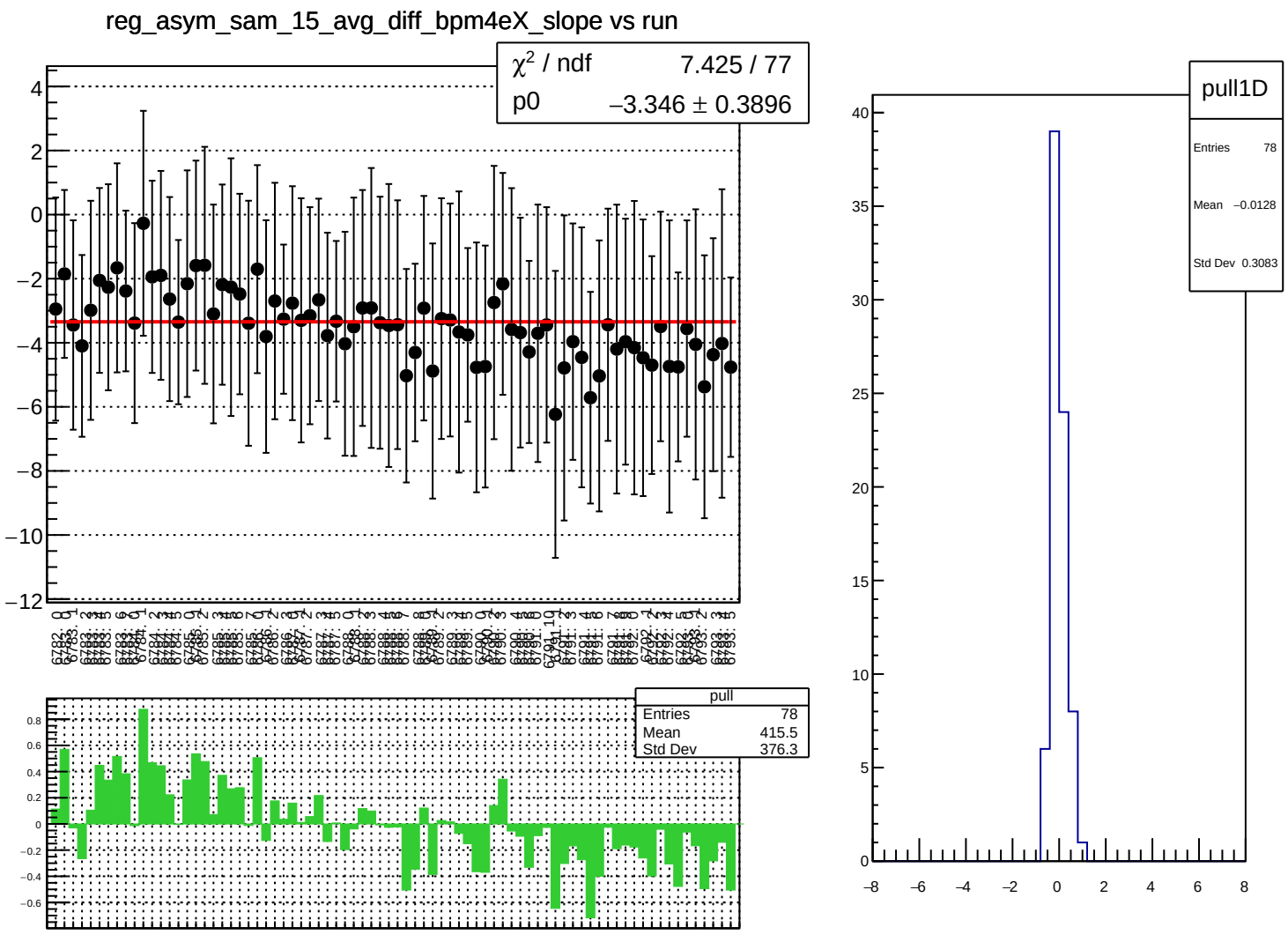

pull1D
Entries 78
Mean 0.003386
Std Dev 0.6886

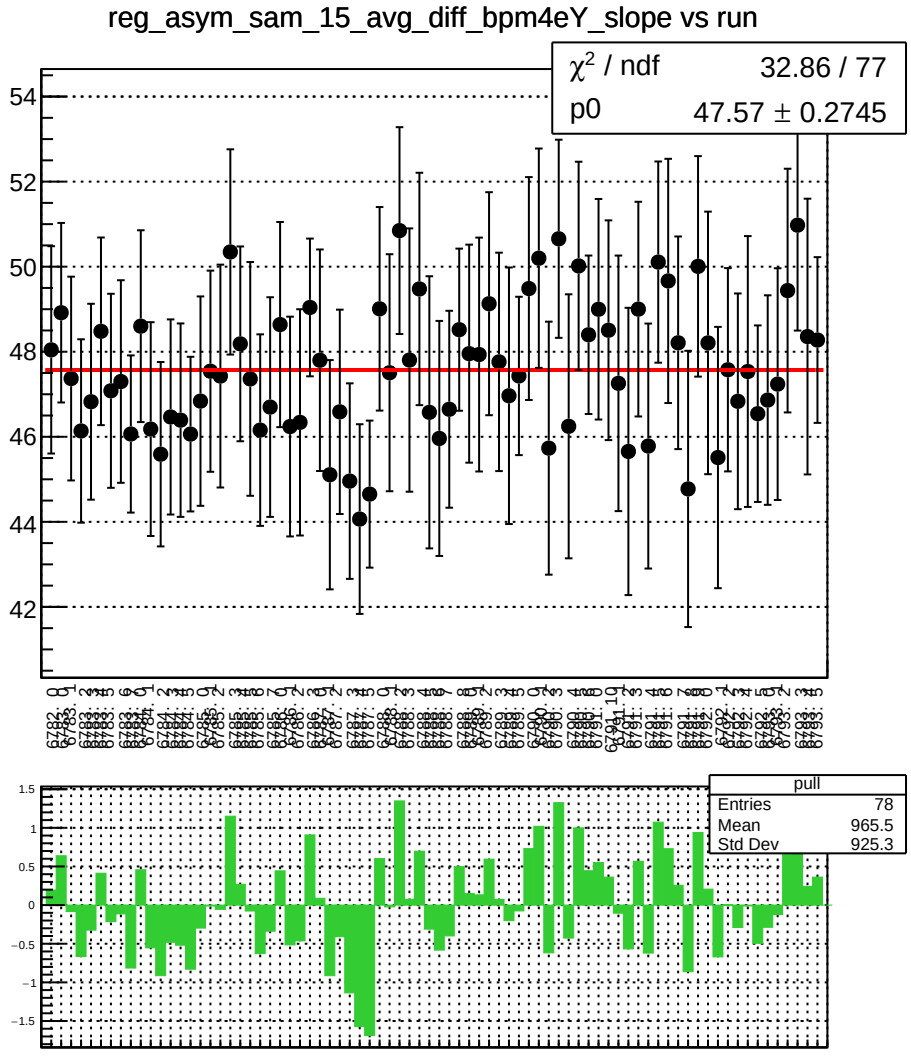

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 40.58 / 77
p0 −18.84 ± 0.03881
pull
Entries 78
Mean −9320
Std Dev 9359

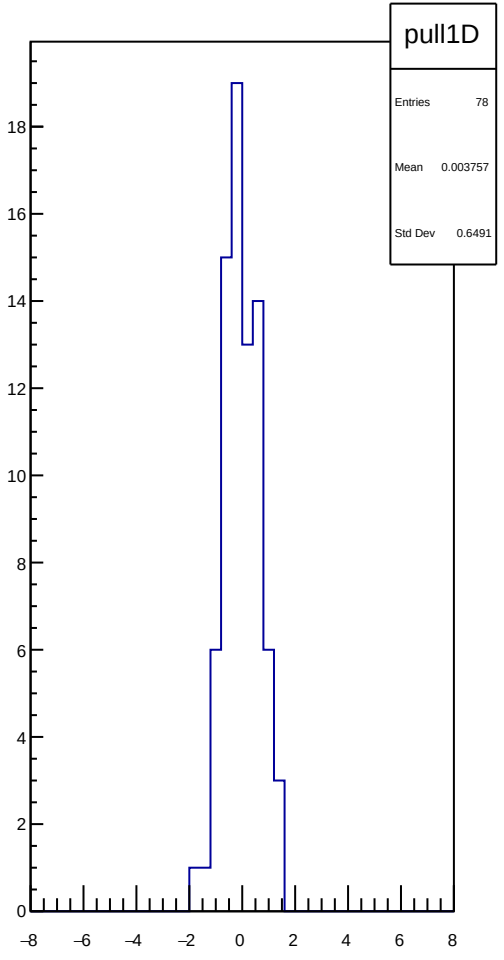

pull1D
Entries 78
Mean 0.0002519
Std Dev 0.7213

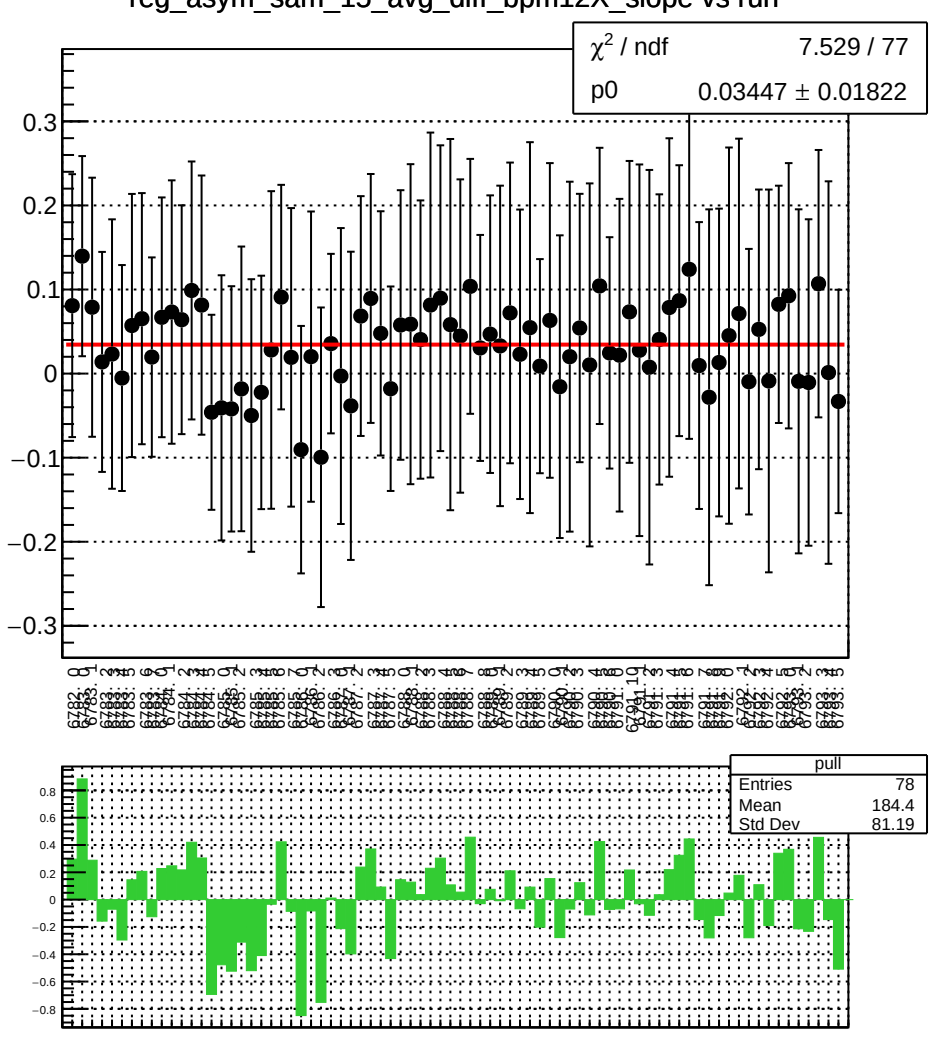

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 8.342 / 77
p0 1.494 ± 0.4172
pull
Entries 78
Mean 376.4
Std Dev 337.4
pull1D
Entries 78
Mean 0.01597
Std Dev 0.3266

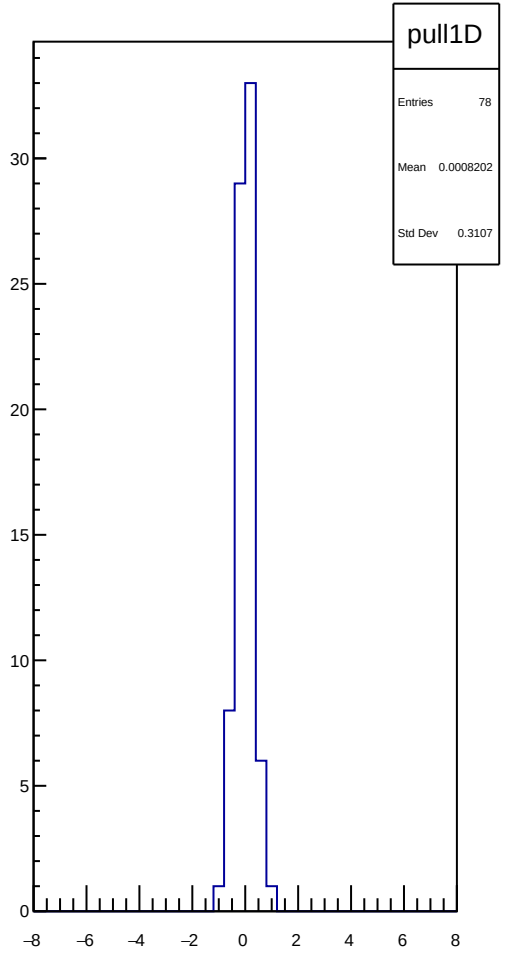

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.39 / 77
p0 −0.5108 ± 0.2011
pull
Entries 78
Mean 749.2
Std Dev 712.8
pull1D
Entries 78
Mean 0.006954
Std Dev 0.5112

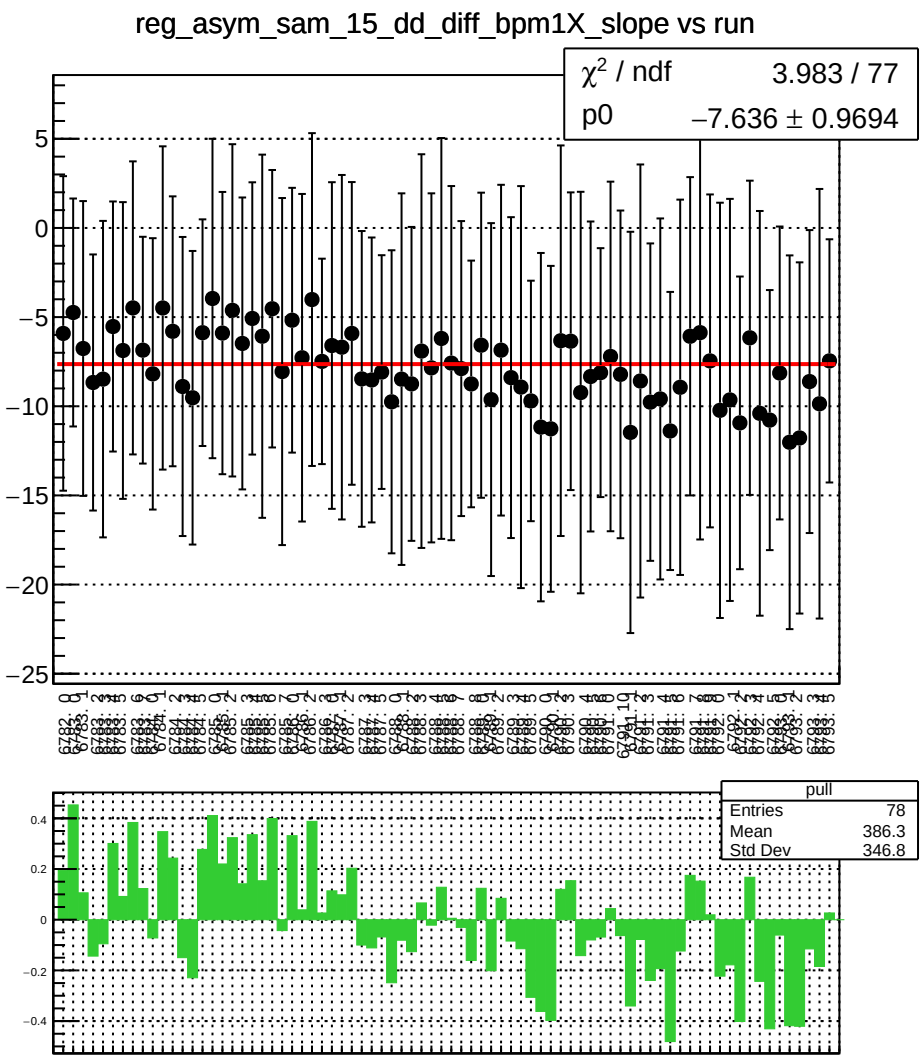

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.425 / 77
p0 −3.346 ± 0.3896
pull
Entries 78
Mean 415.5
Std Dev 376.3
pull1D
Entries 78
Mean −0.0128
Std Dev 0.3083

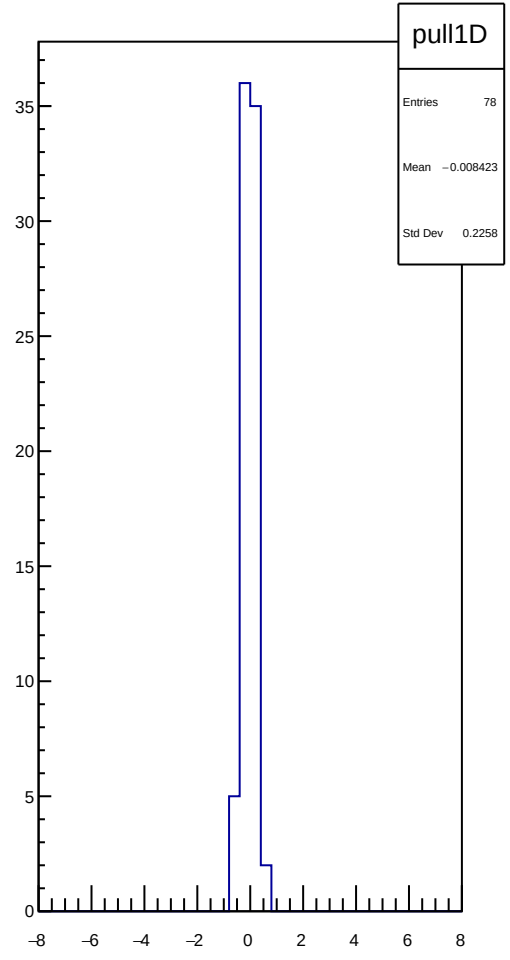

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.86 / 77
p0 47.57 ± 0.2745
pull
Entries 78
Mean 965.5
Std Dev 925.3

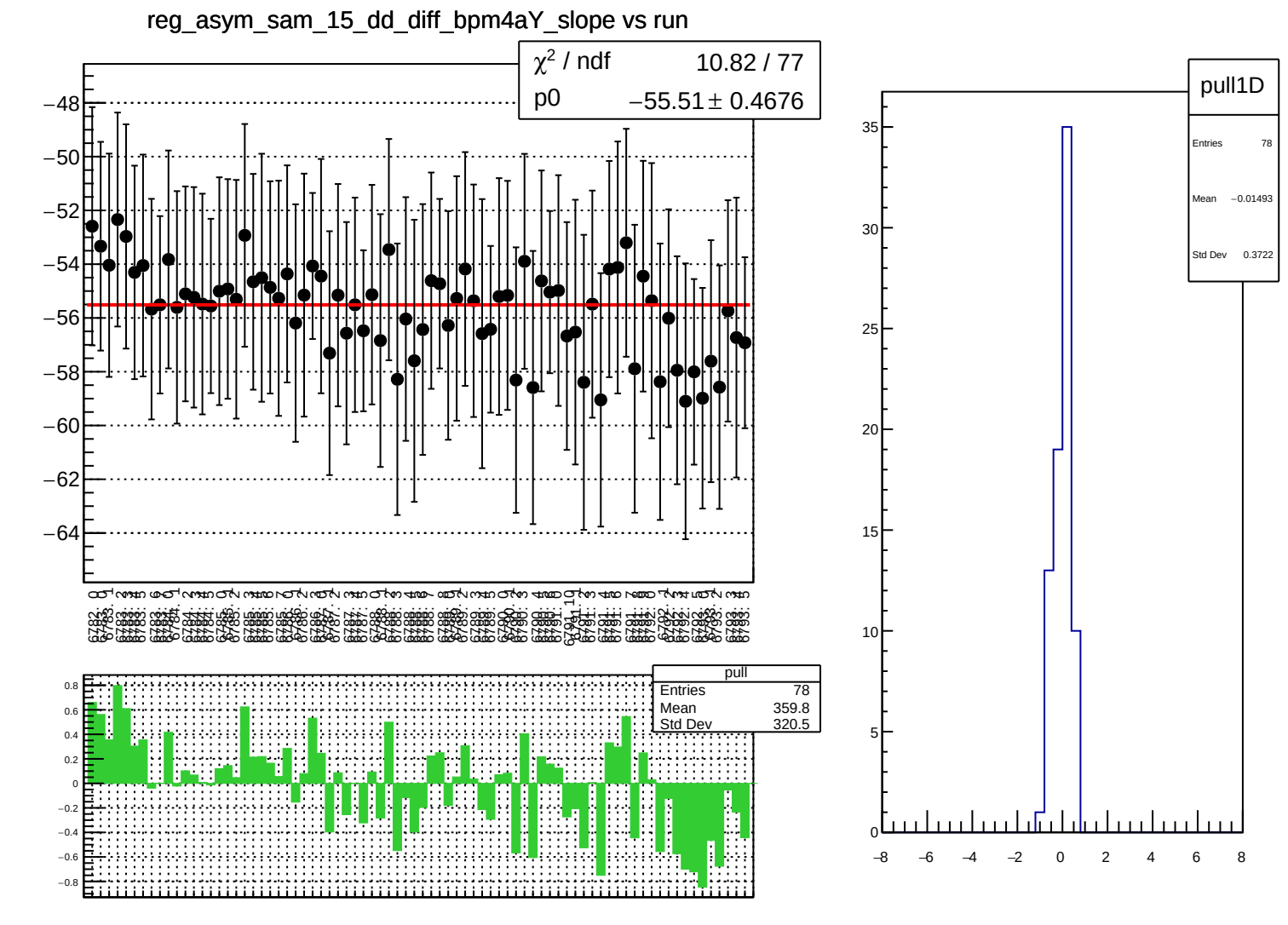

pull1D
Entries 78
Mean 0.003757
Std Dev 0.6491

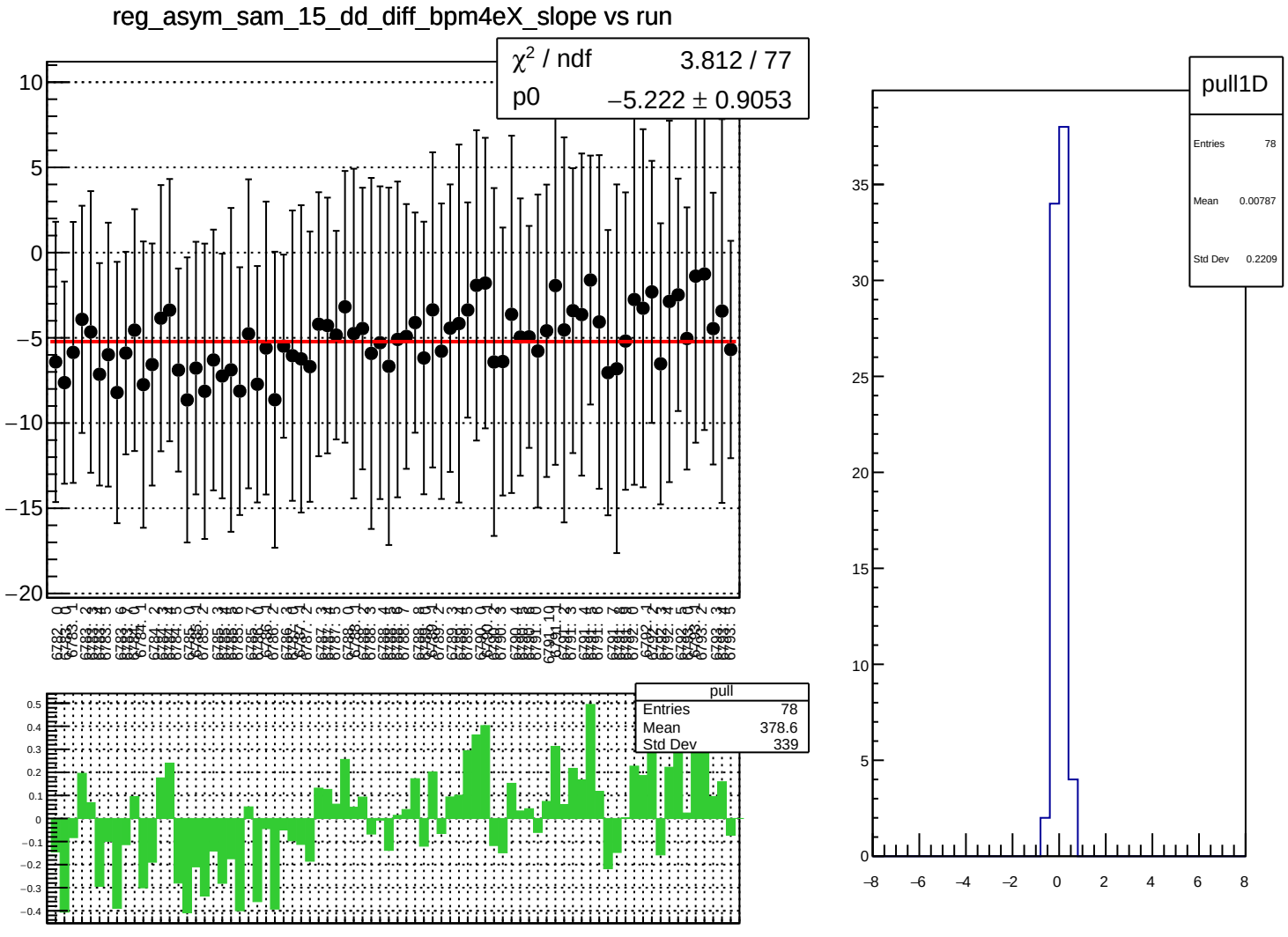

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 7.529 / 77
p0 0.03447 ± 0.01822
pull
Entries 78
Mean 184.4
Std Dev 81.19

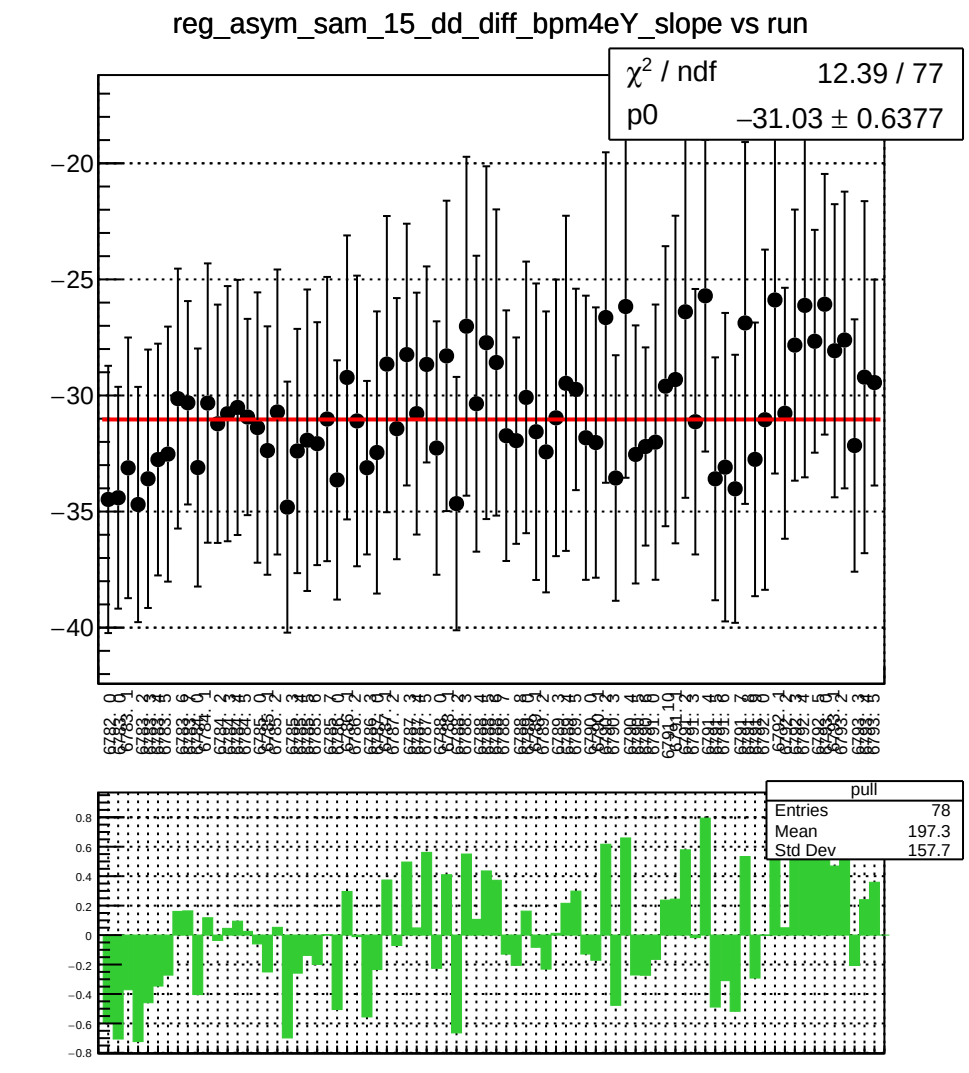

pull1D
Entries 78
Mean 0.0008202
Std Dev 0.3107

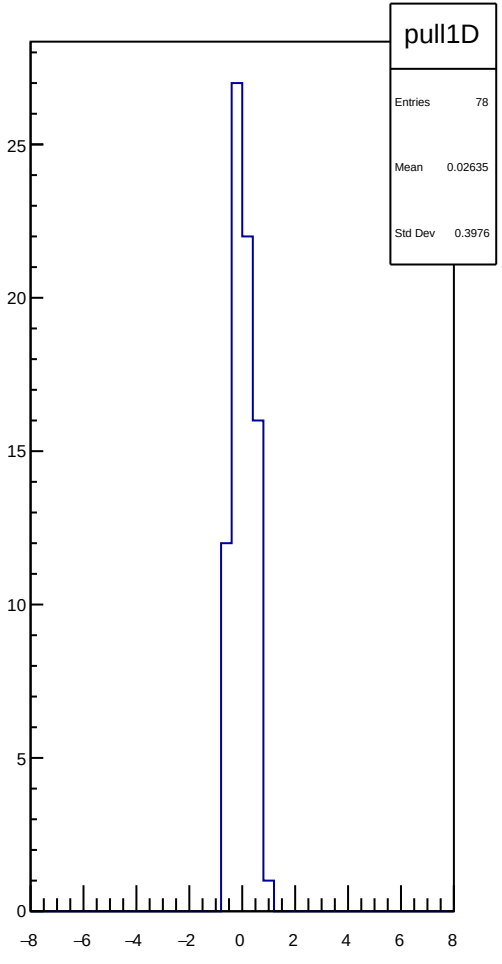

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.983 / 77
p0 −7.636 ± 0.9694
pull
Entries 78
Mean 386.3
Std Dev 346.8

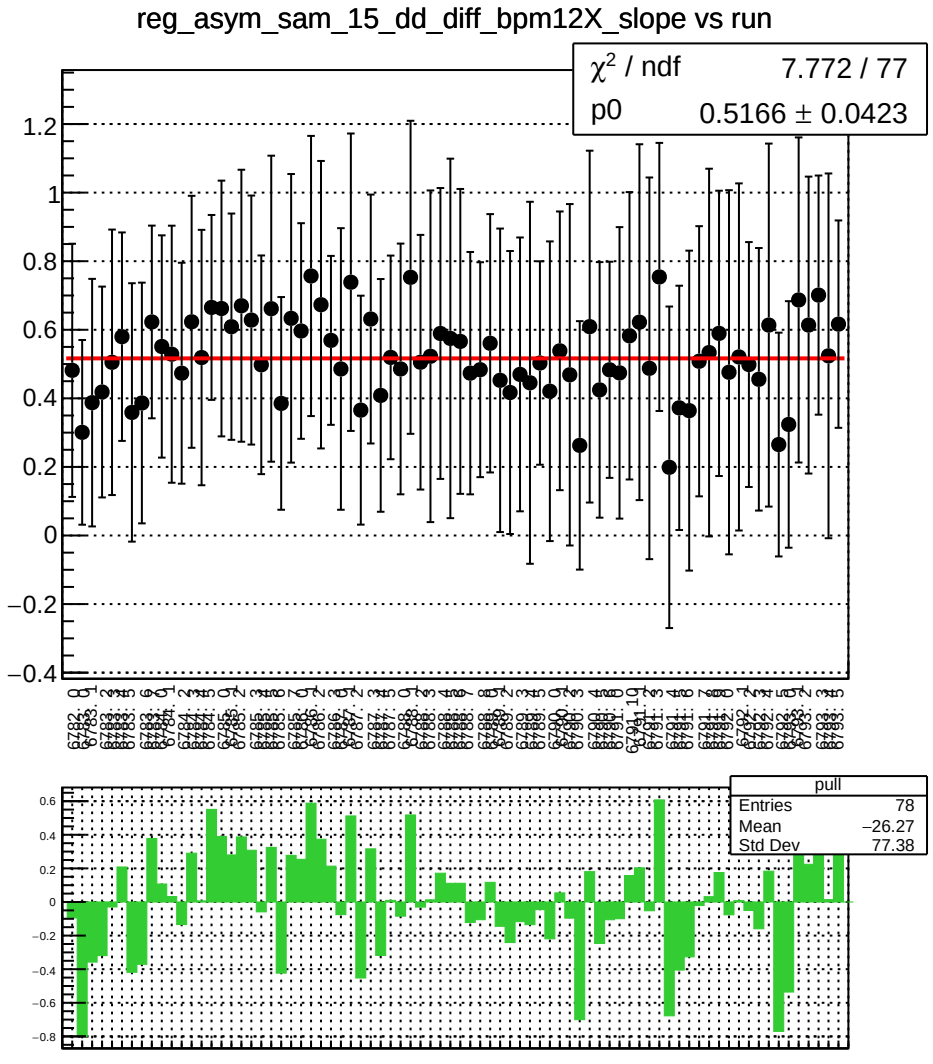

pull1D
Entries 78
Mean −0.008423
Std Dev 0.2258

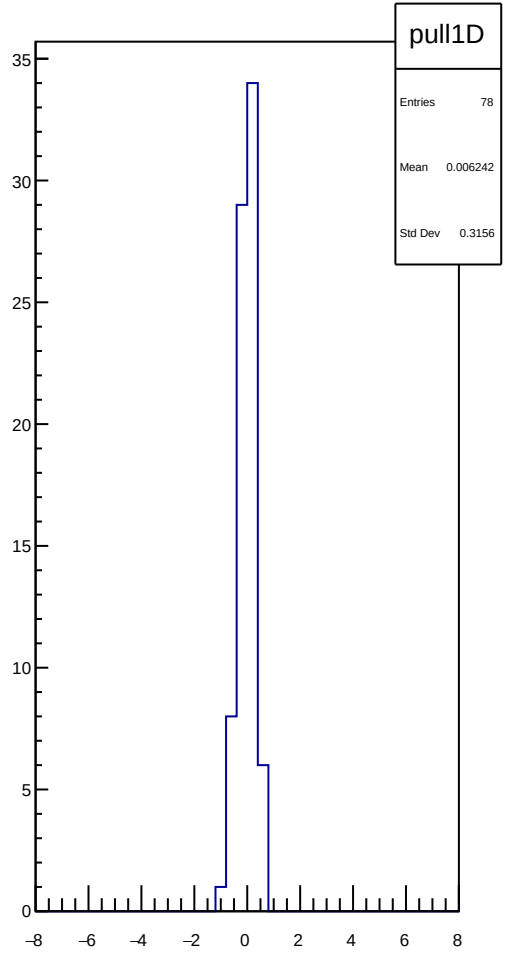

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.82 / 77
p0 −55.51 ± 0.4676
pull
Entries 78
Mean 359.8
Std Dev 320.5
pull1D
Entries 78
Mean −0.01493
Std Dev 0.3722

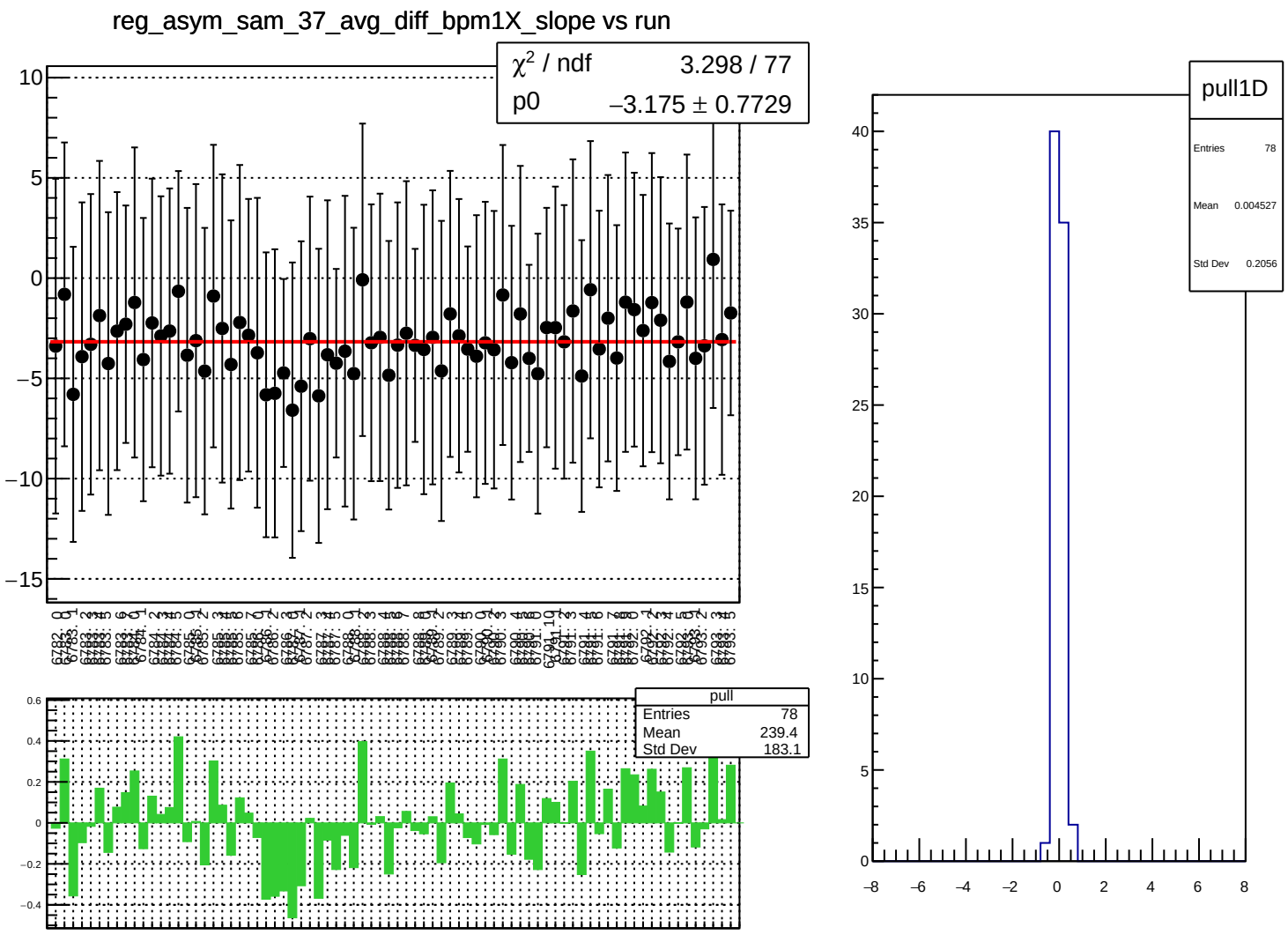

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.812 / 77
p0 −5.222 ± 0.9053
pull
Entries 78
Mean 378.6
Std Dev 339
pull1D
Entries 78
Mean 0.00787
Std Dev 0.2209

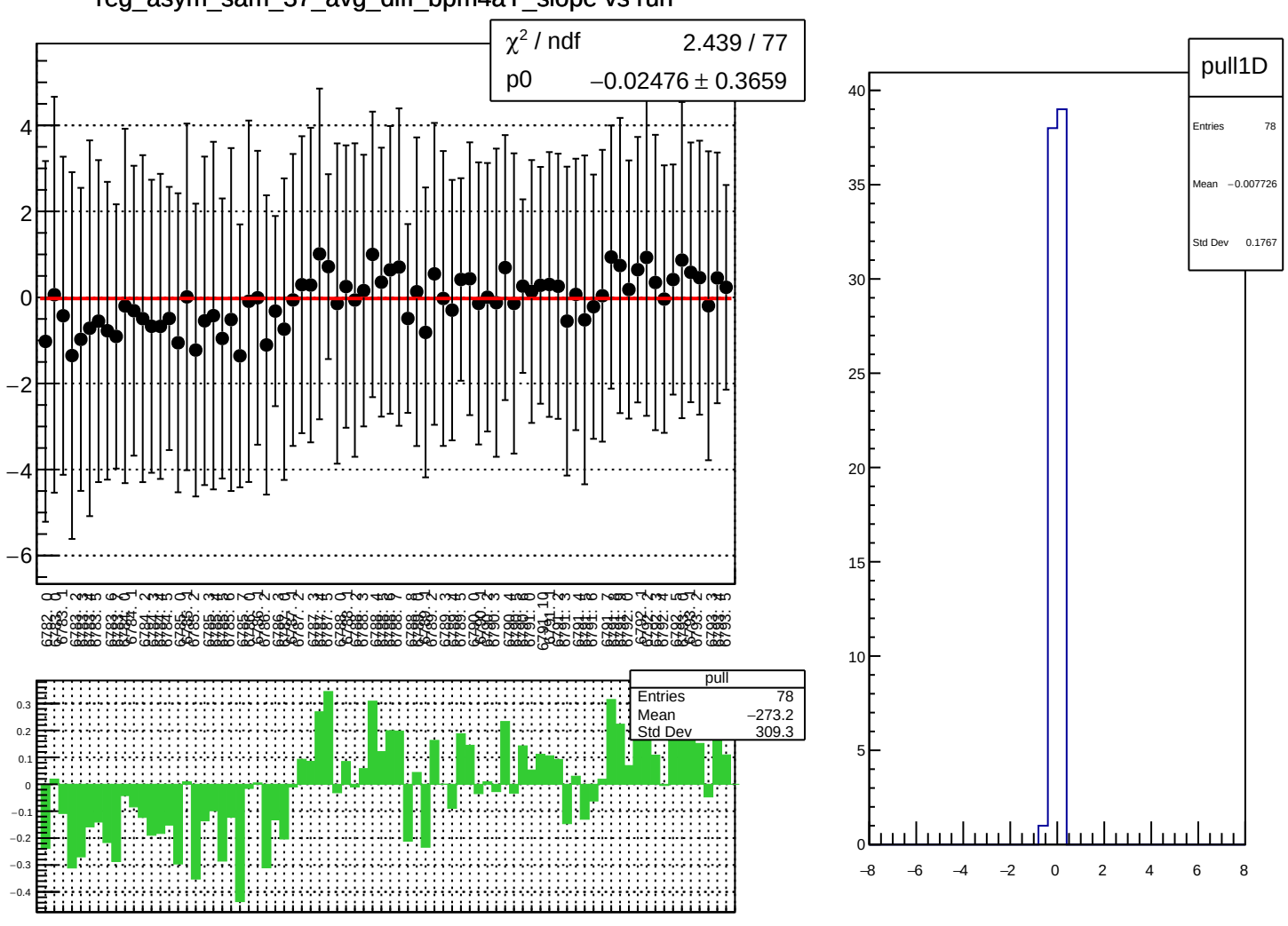

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.39 / 77
p0 −31.03 ± 0.6377
pull
Entries 78
Mean 197.3
Std Dev 157.7

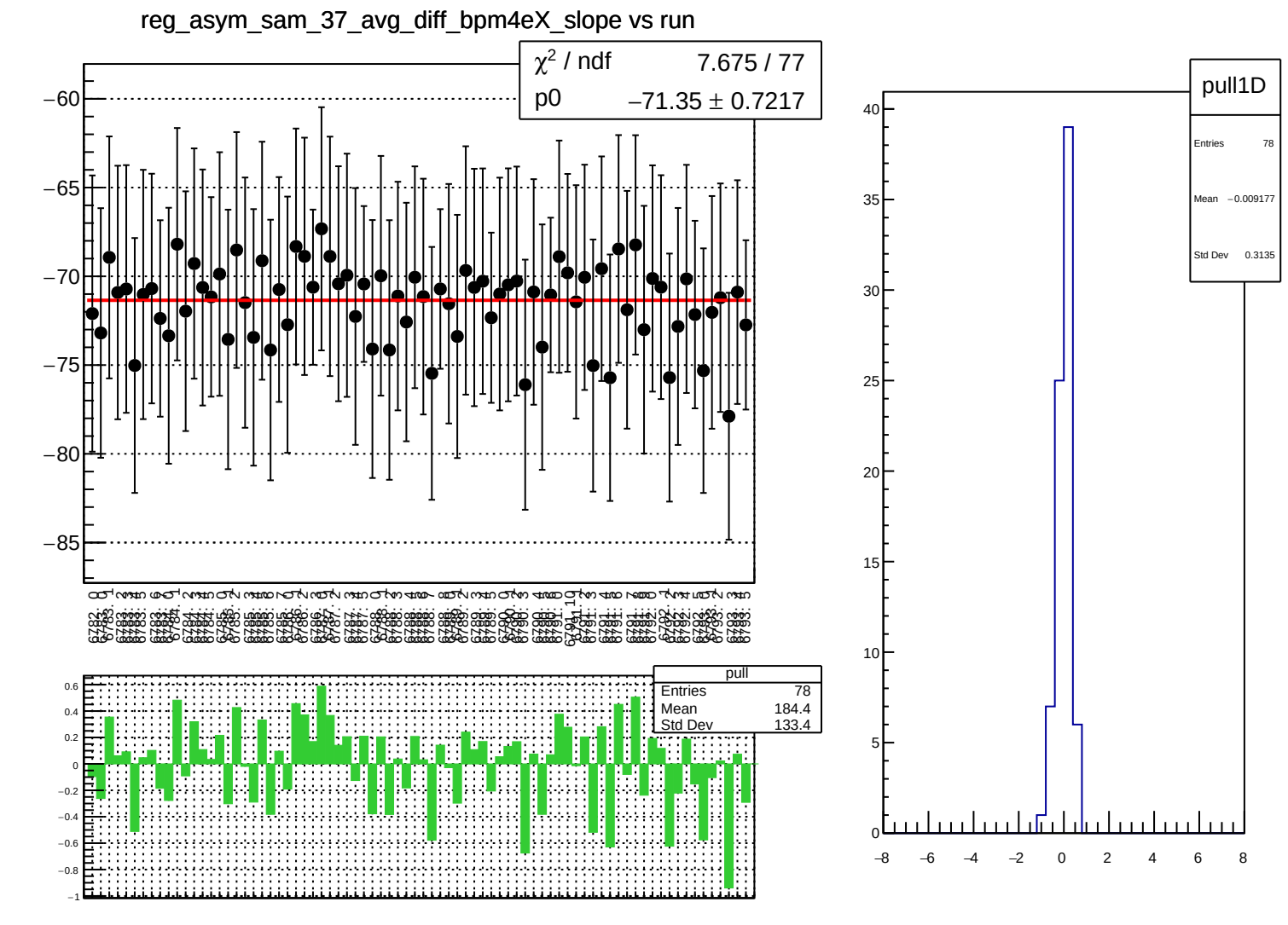

pull1D
Entries 78
Mean 0.02635
Std Dev 0.3976

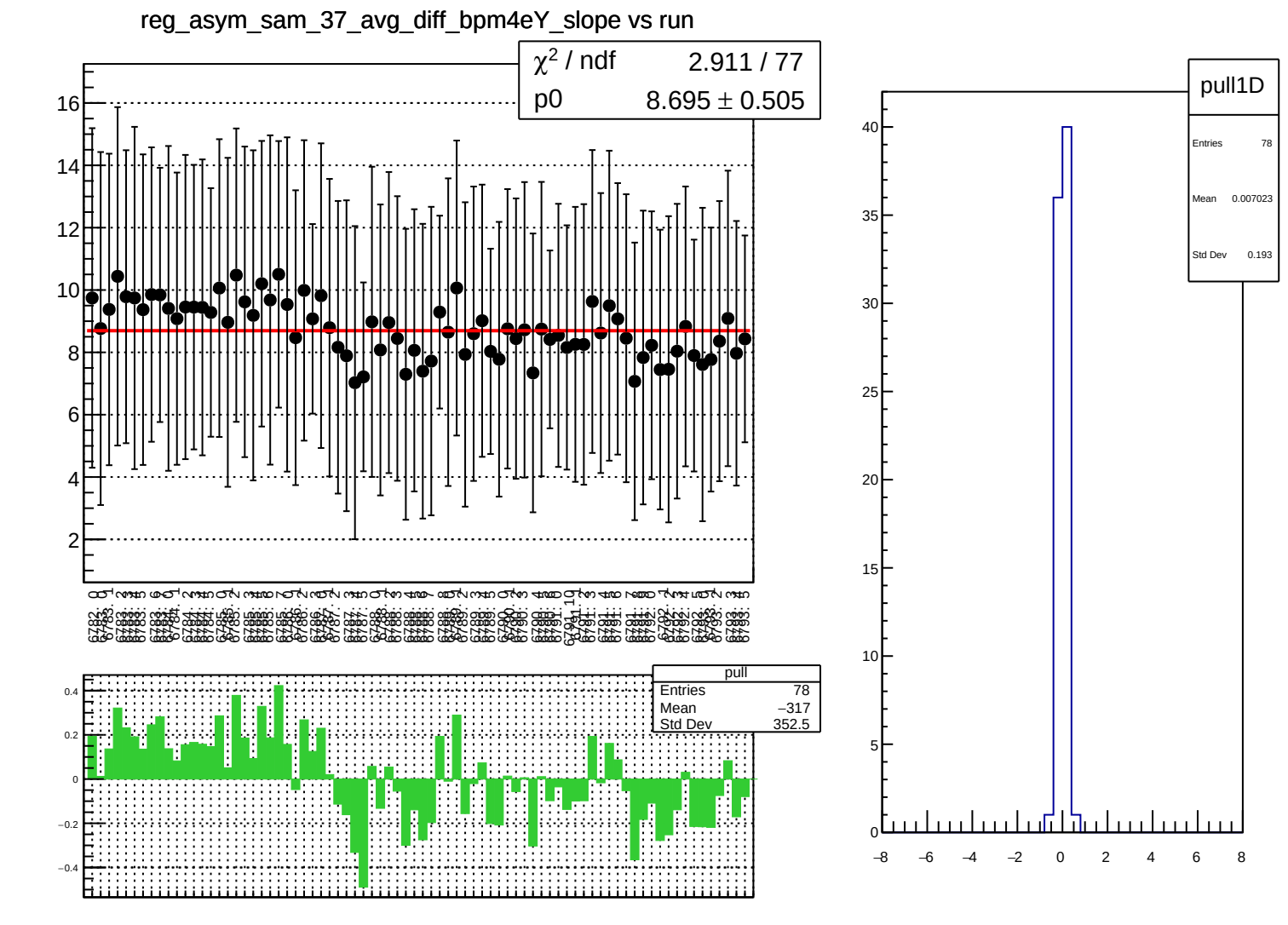

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 7.772 / 77
p0 0.5166 ± 0.0423
pull
Entries 78
Mean −26.27
Std Dev 77.38

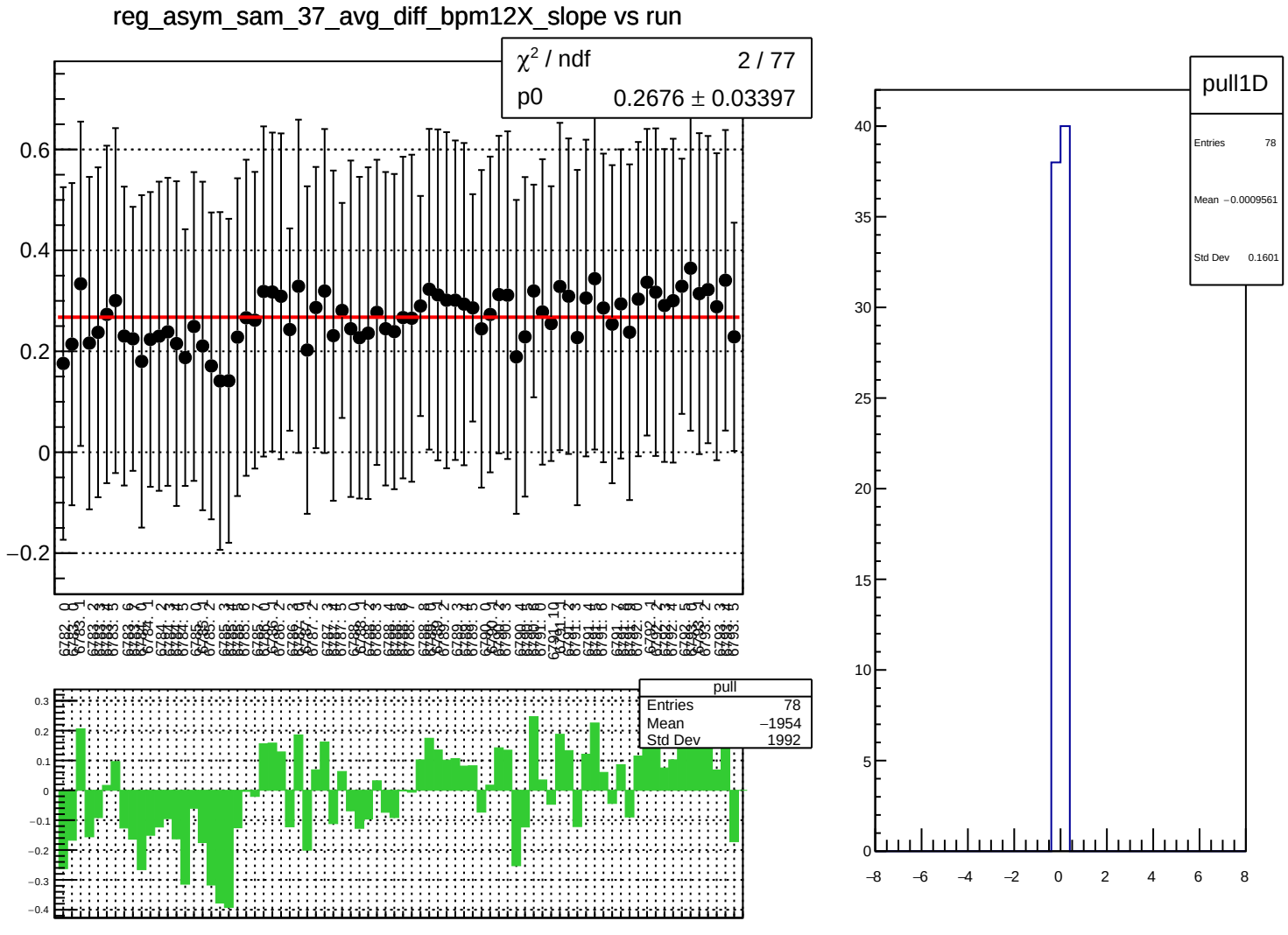

pull1D
Entries 78
Mean 0.006242
Std Dev 0.3156

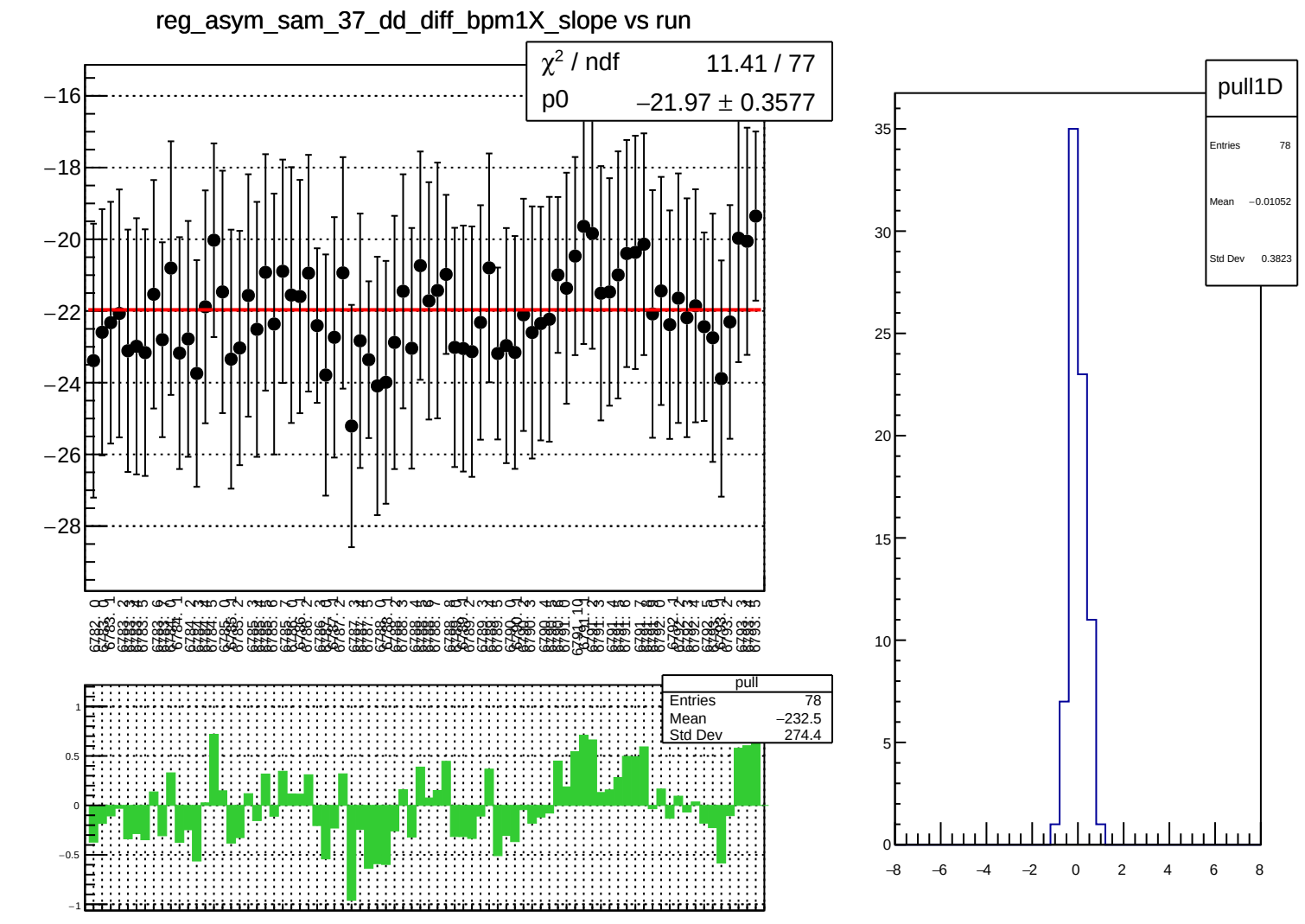

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.298 / 77
p0 −3.175 ± 0.7729
pull
Entries 78
Mean 239.4
Std Dev 183.1
pull1D
Entries 78
Mean 0.004527
Std Dev 0.2056

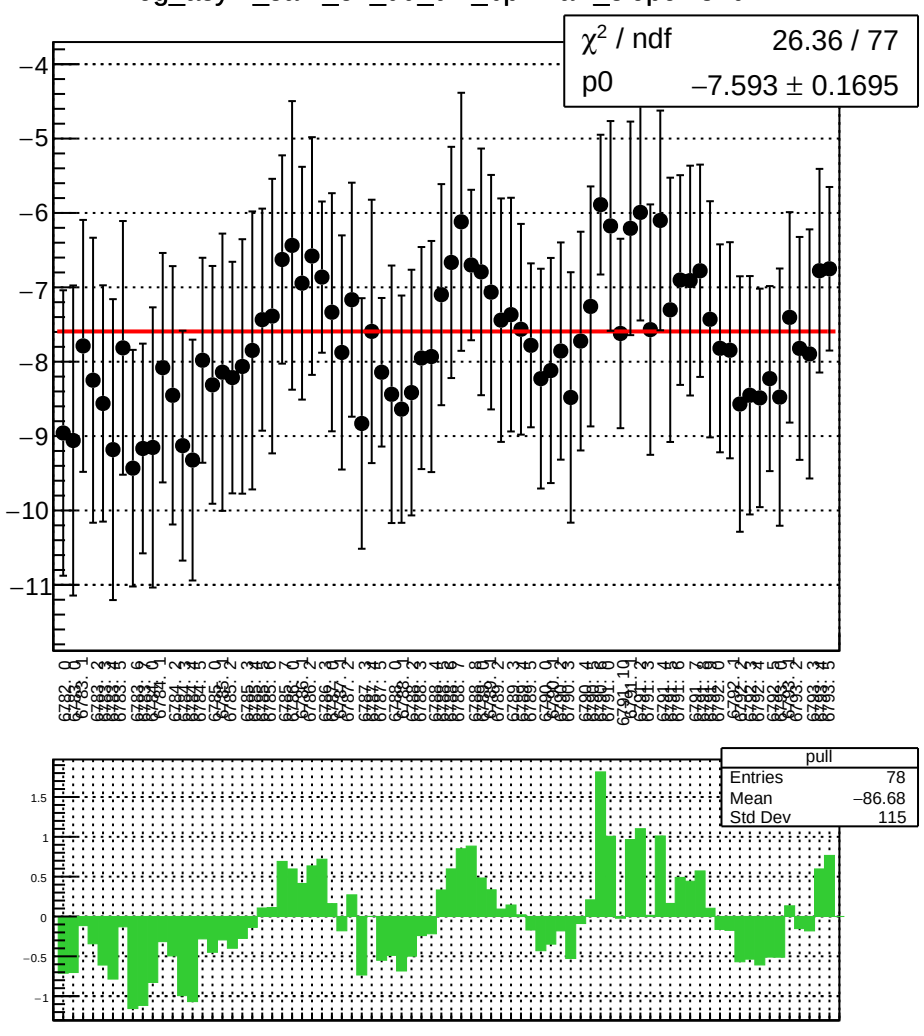

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.439 / 77
p0 −0.02476 ± 0.3659
pull
Entries 78
Mean −273.2
Std Dev 309.3
pull1D
Entries 78
Mean −0.007726
Std Dev 0.1767

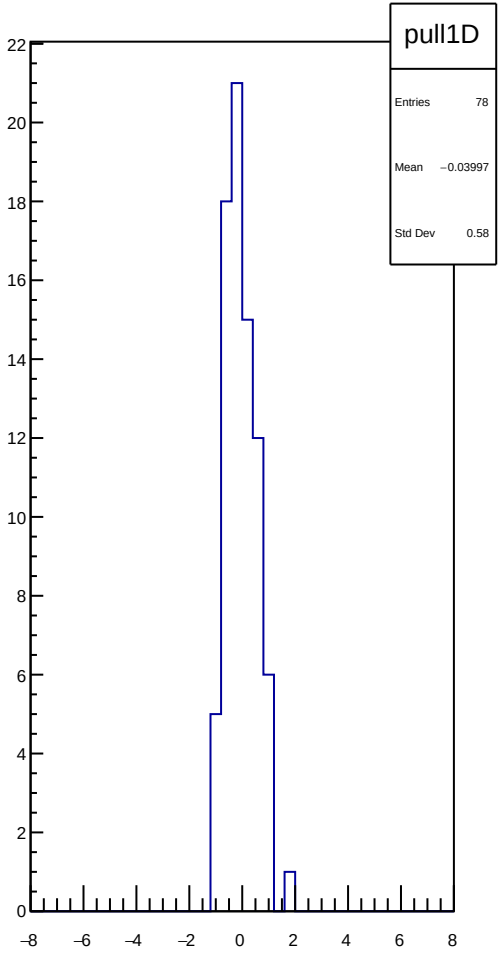

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.675 / 77
p0 −71.35 ± 0.7217
pull
Entries 78
Mean 184.4
Std Dev 133.4
pull1D
Entries 78
Mean −0.009177
Std Dev 0.3135

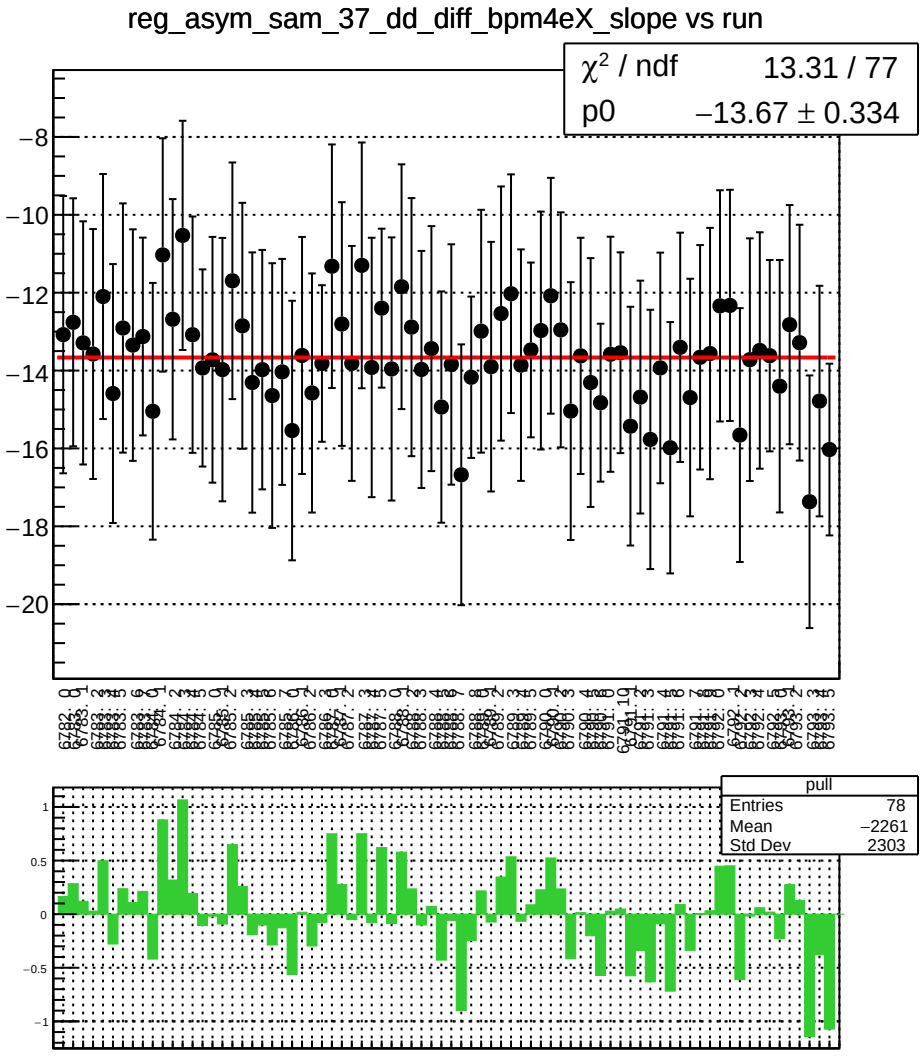

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.911 / 77
p0 8.695 ± 0.505
pull
Entries 78
Mean −317
Std Dev 352.5
pull1D
Entries 78
Mean 0.007023
Std Dev 0.193

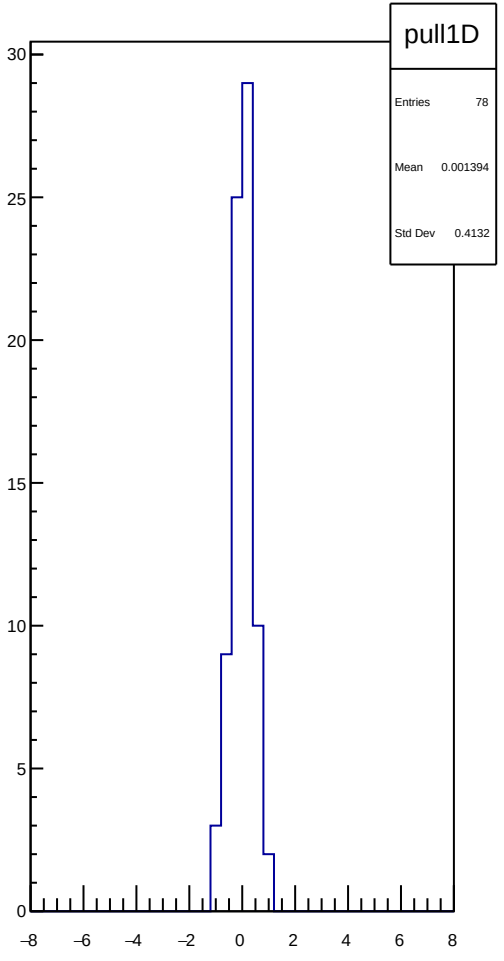

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2 / 77
p0 0.2676 ± 0.03397
pull
Entries 78
Mean −1954
Std Dev 1992
pull1D
Entries 78
Mean −0.0009561
Std Dev 0.1601

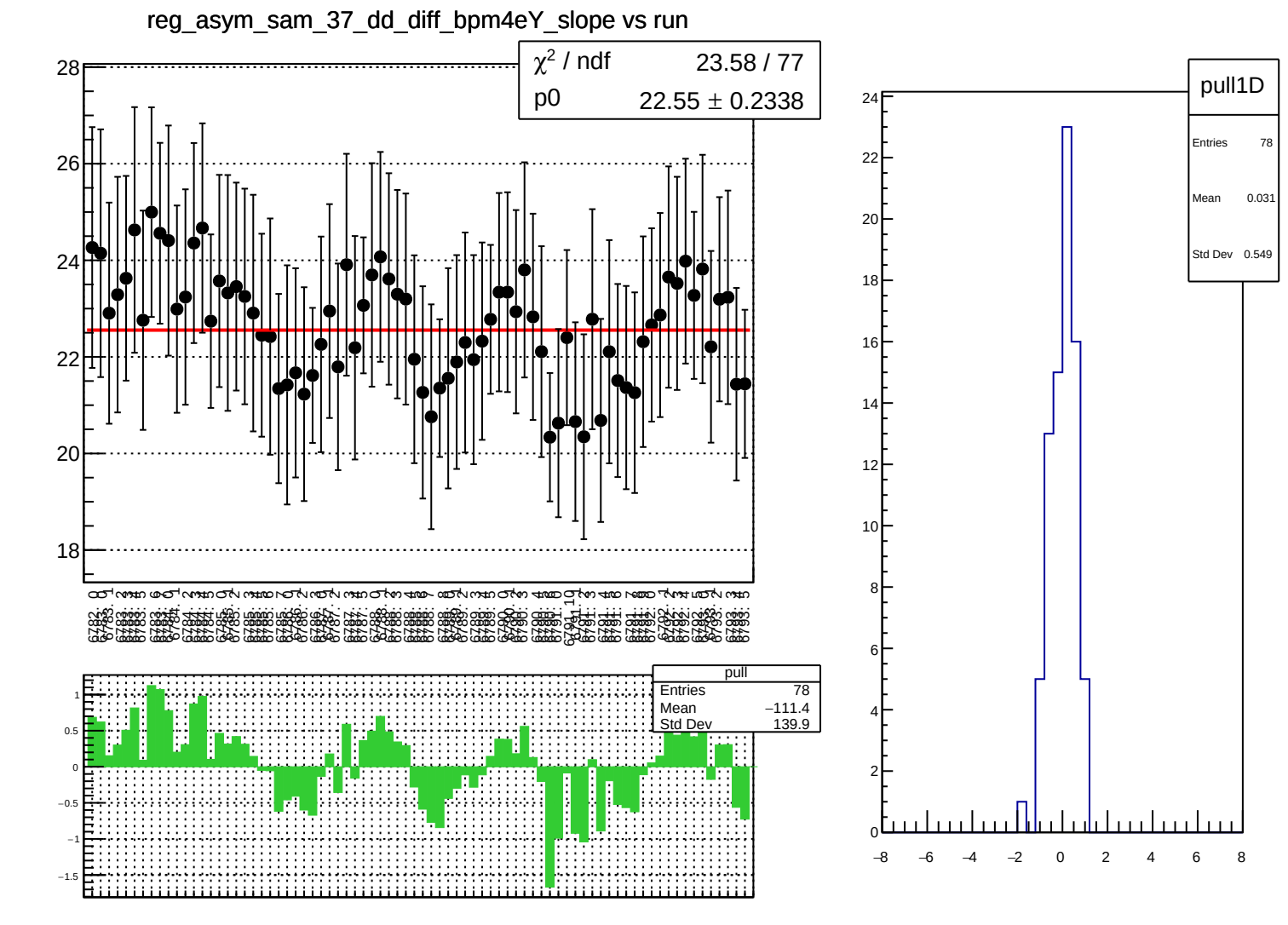

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 11.41 / 77
p0 −21.97 ± 0.3577
pull
Entries 78
Mean −232.5
Std Dev 274.4
pull1D
Entries 78
Mean −0.01052
Std Dev 0.3823

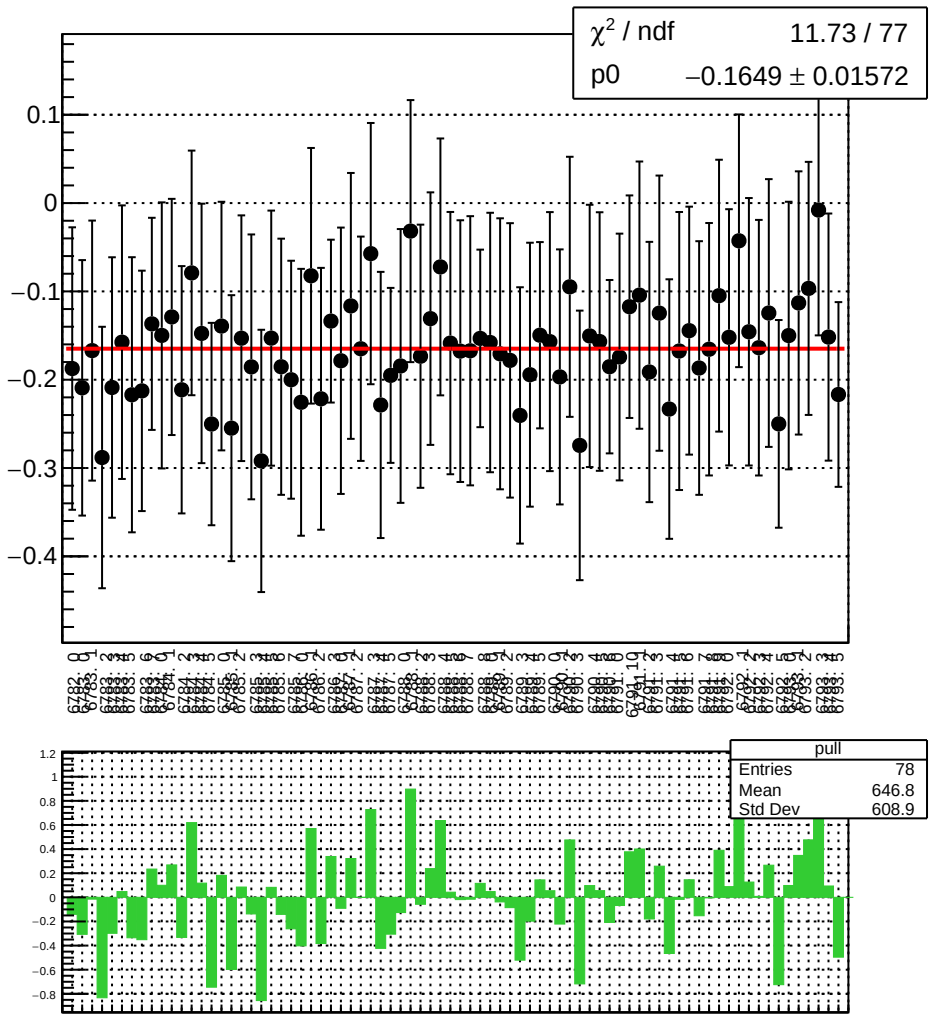

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.36 / 77
p0 −7.593 ± 0.1695
pull
Entries 78
Mean −86.68
Std Dev 115

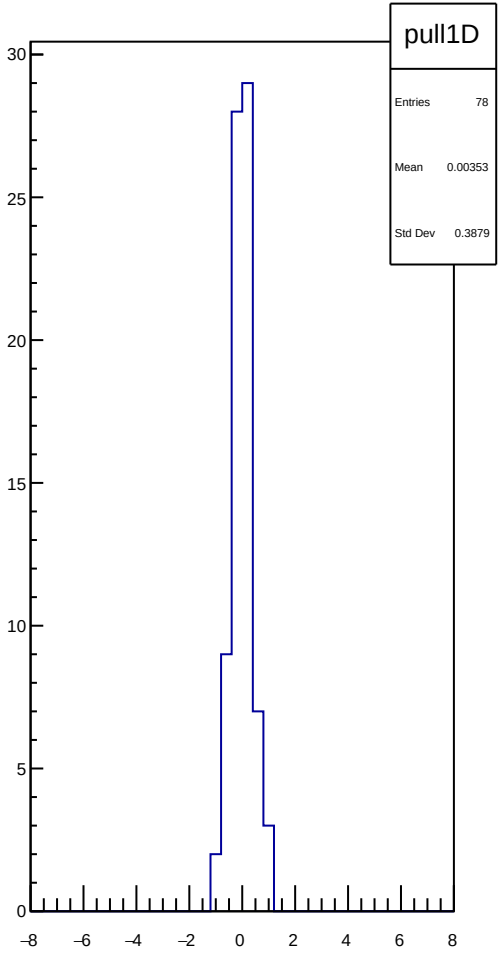

pull1D
Entries 78
Mean −0.03997
Std Dev 0.58

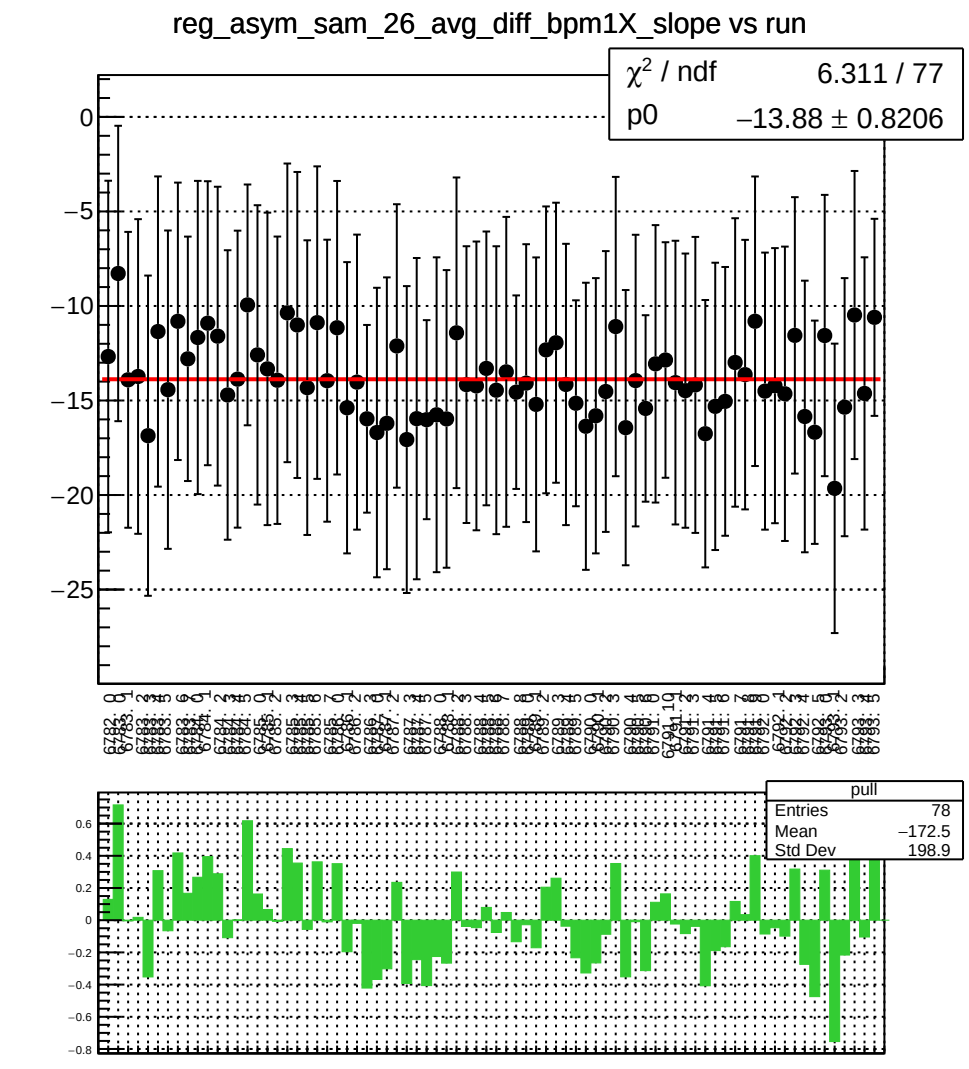

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.31 / 77
p0 −13.67 ± 0.334
pull
Entries 78
Mean −2261
Std Dev 2303

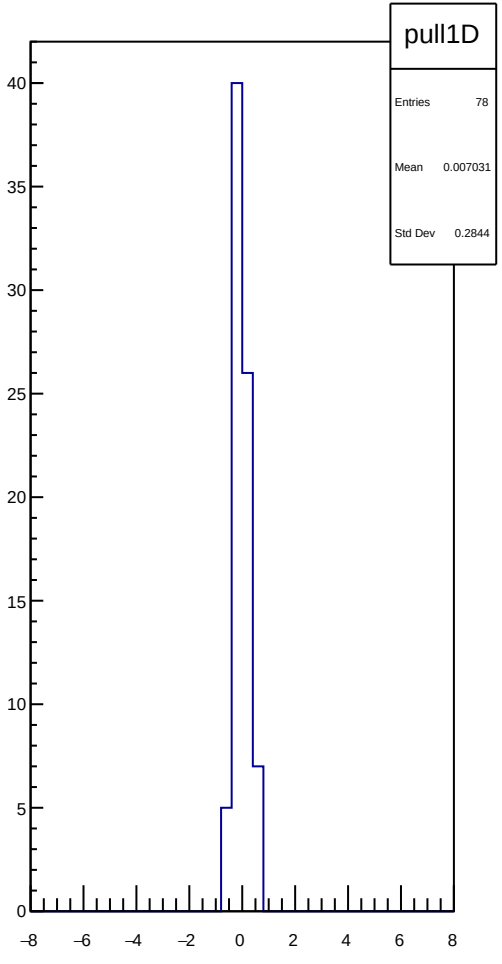

pull1D
Entries 78
Mean 0.001394
Std Dev 0.4132

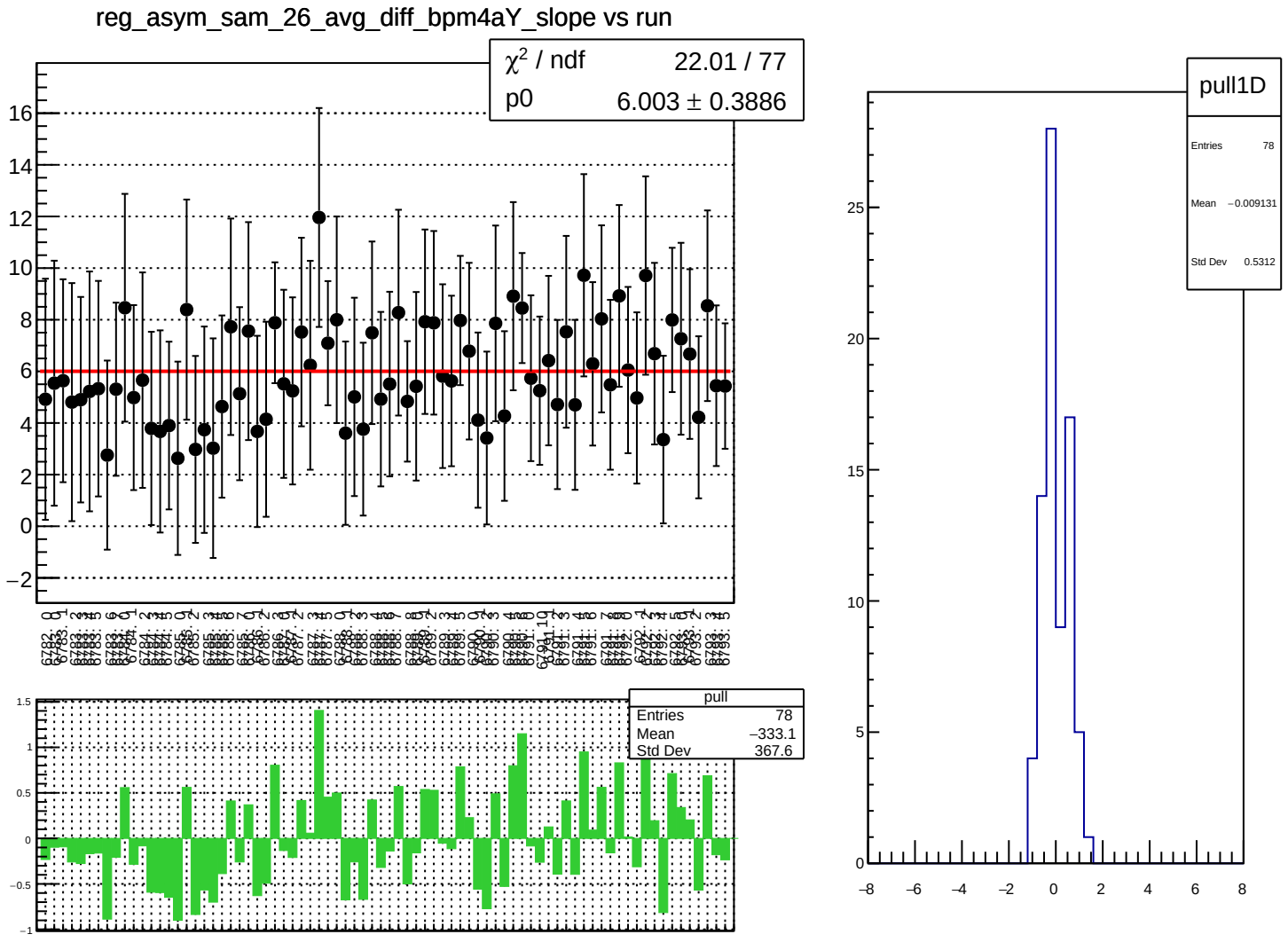

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.58 / 77
p0 22.55 ± 0.2338
pull
Entries 78
Mean −111.4
Std Dev 139.9
pull1D
Entries 78
Mean 0.031
Std Dev 0.549

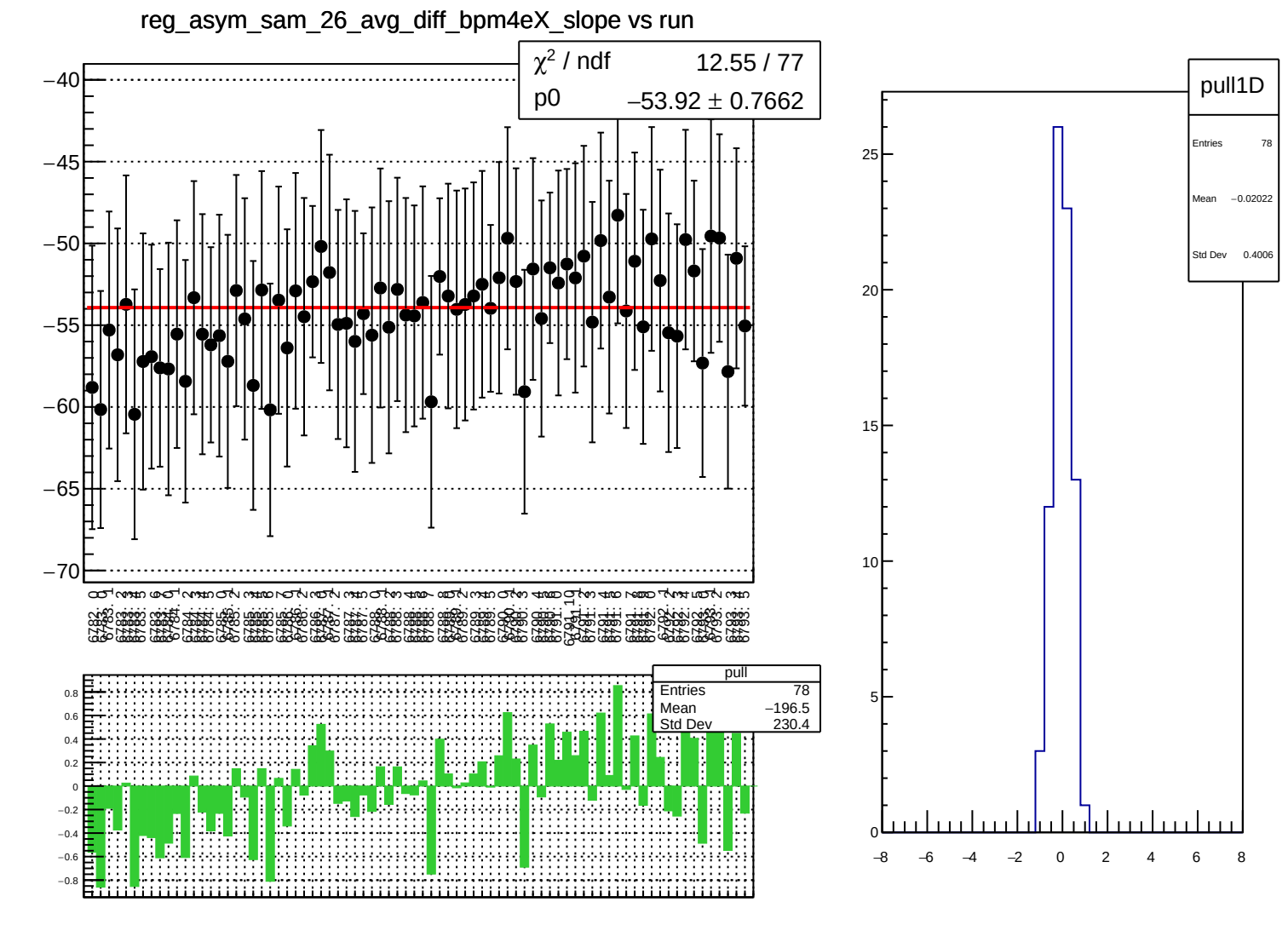

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 11.73 / 77
p0 −0.1649 ± 0.01572
pull
Entries 78
Mean 646.8
Std Dev 608.9

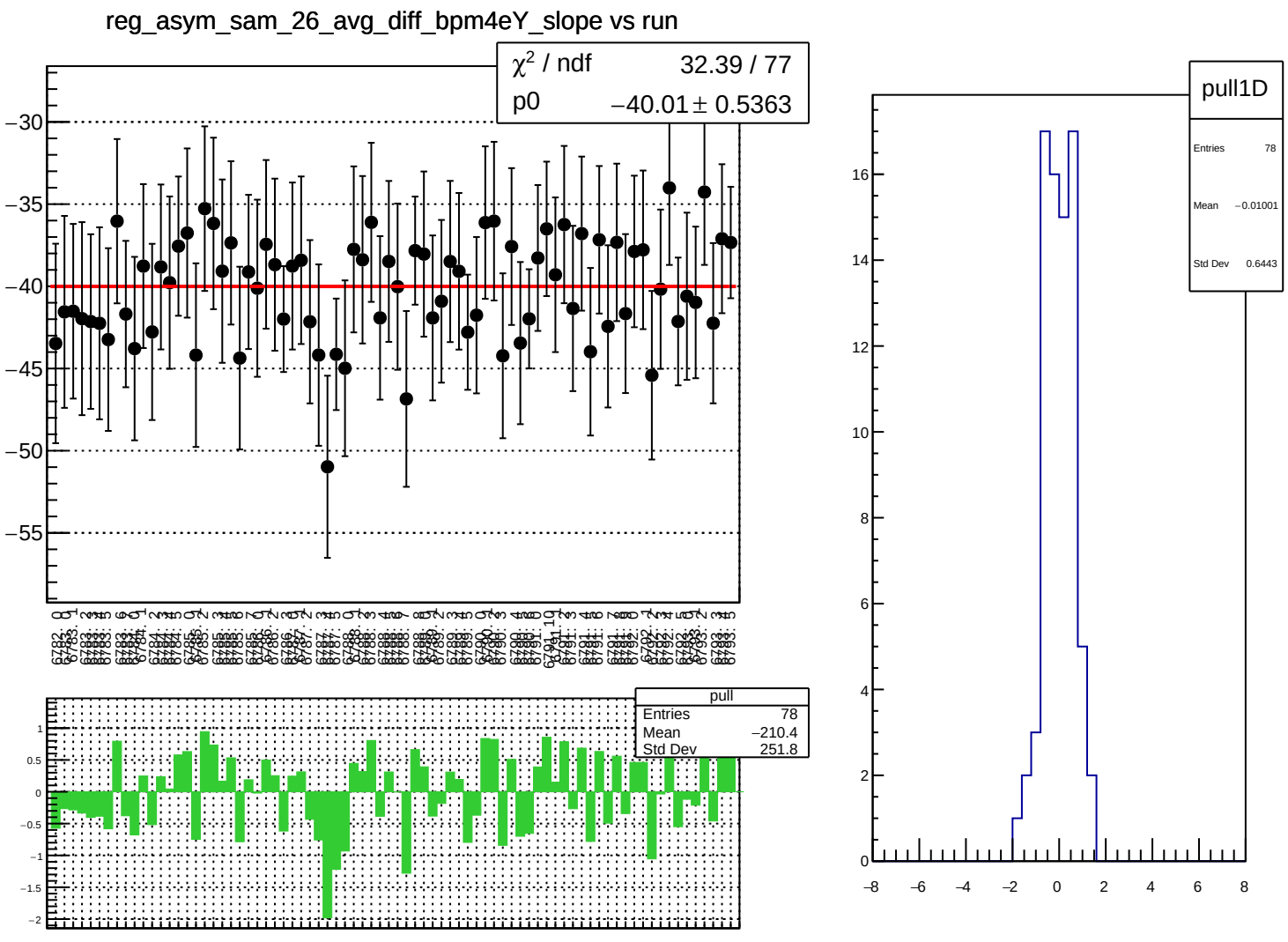

pull1D
Entries 78
Mean 0.00353
Std Dev 0.3879

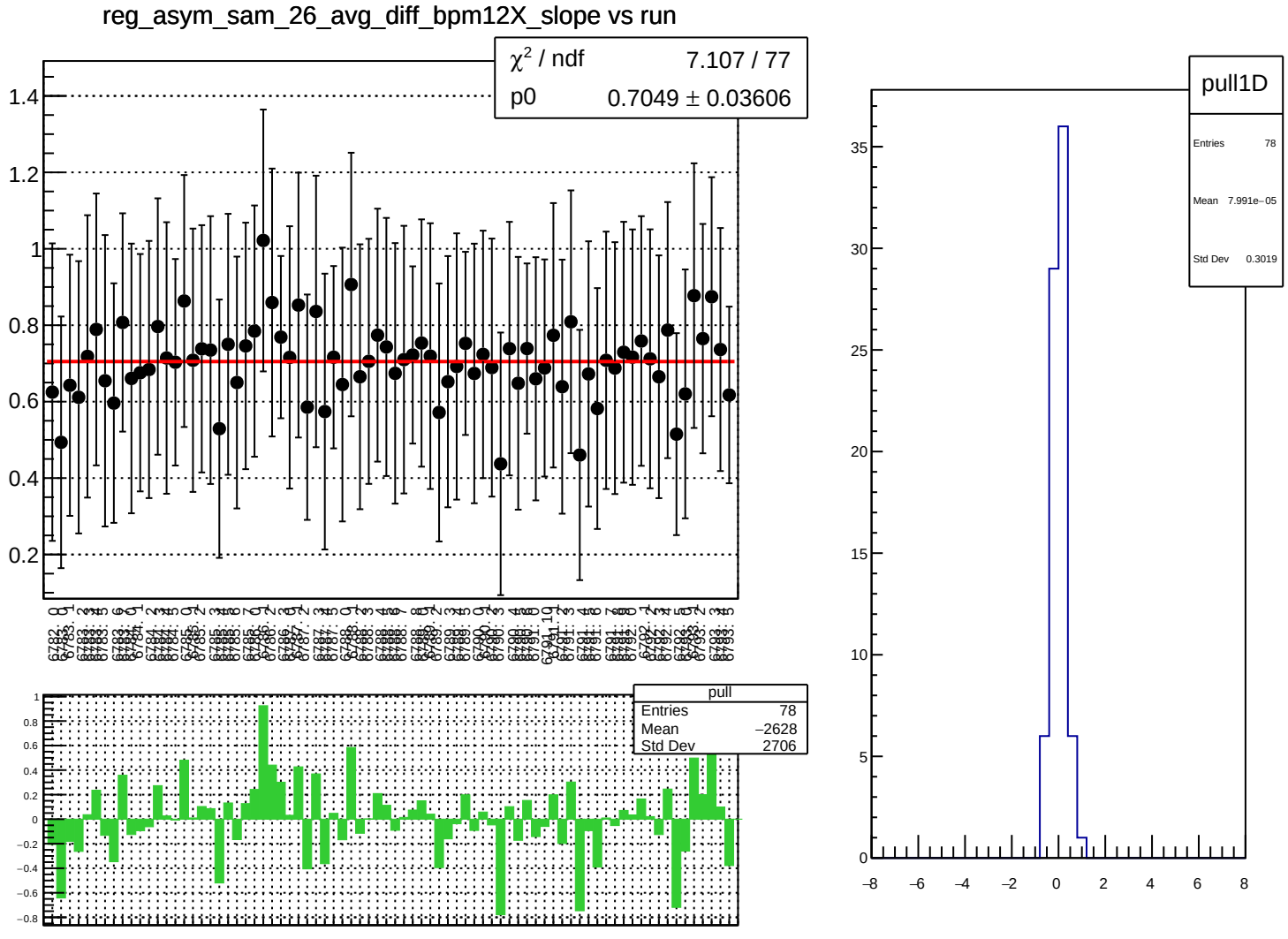

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 6.311 / 77
p0 −13.88 ± 0.8206
pull
Entries 78
Mean −172.5
Std Dev 198.9

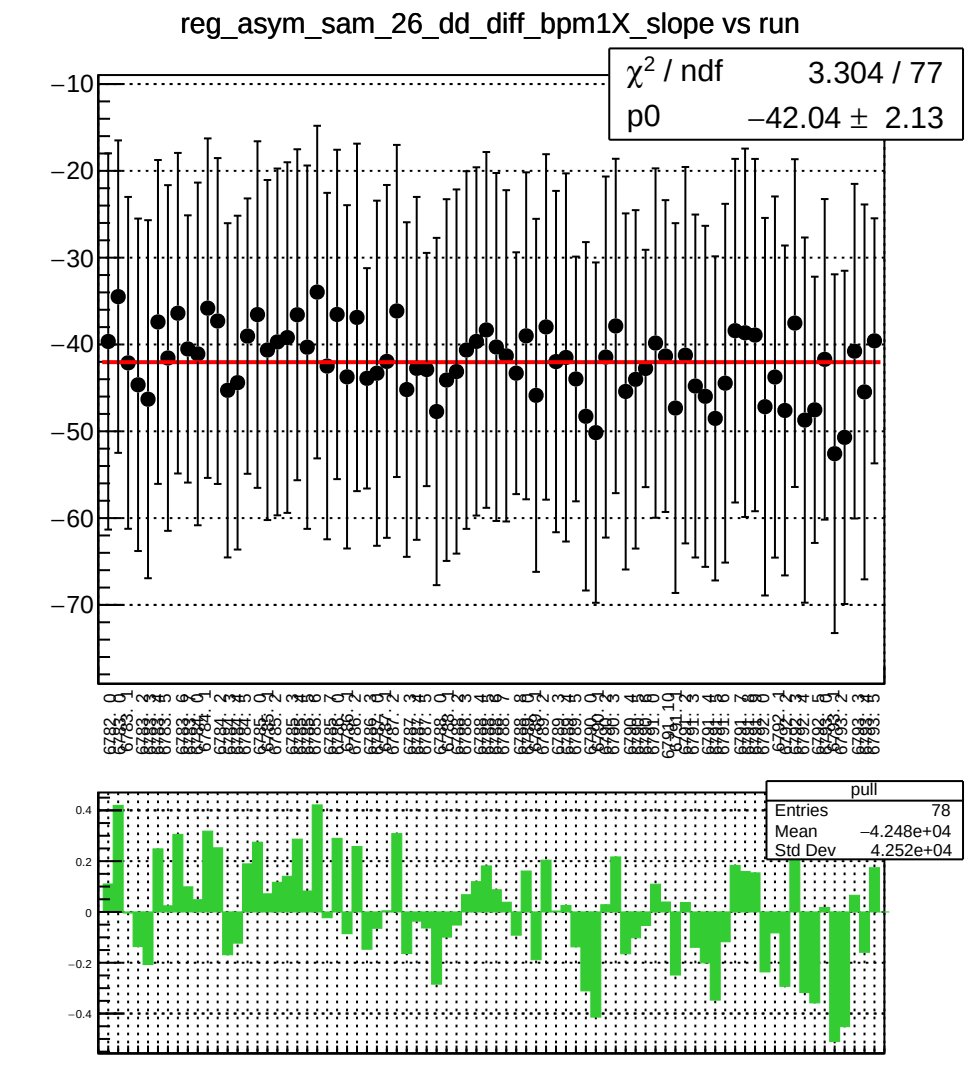

pull1D
Entries 78
Mean 0.007031
Std Dev 0.2844

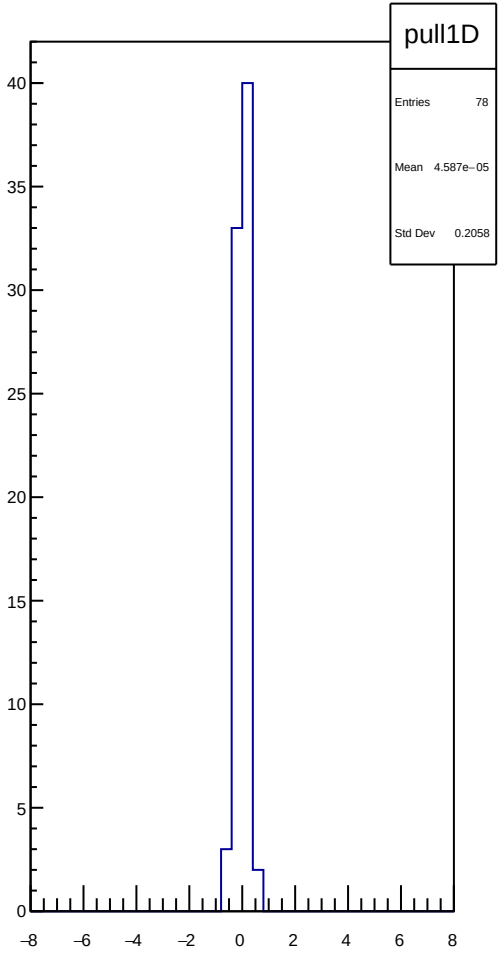

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.01 / 77
p0 6.003 ± 0.3886
pull
Entries 78
Mean −333.1
Std Dev 367.6
pull1D
Entries 78
Mean −0.009131
Std Dev 0.5312

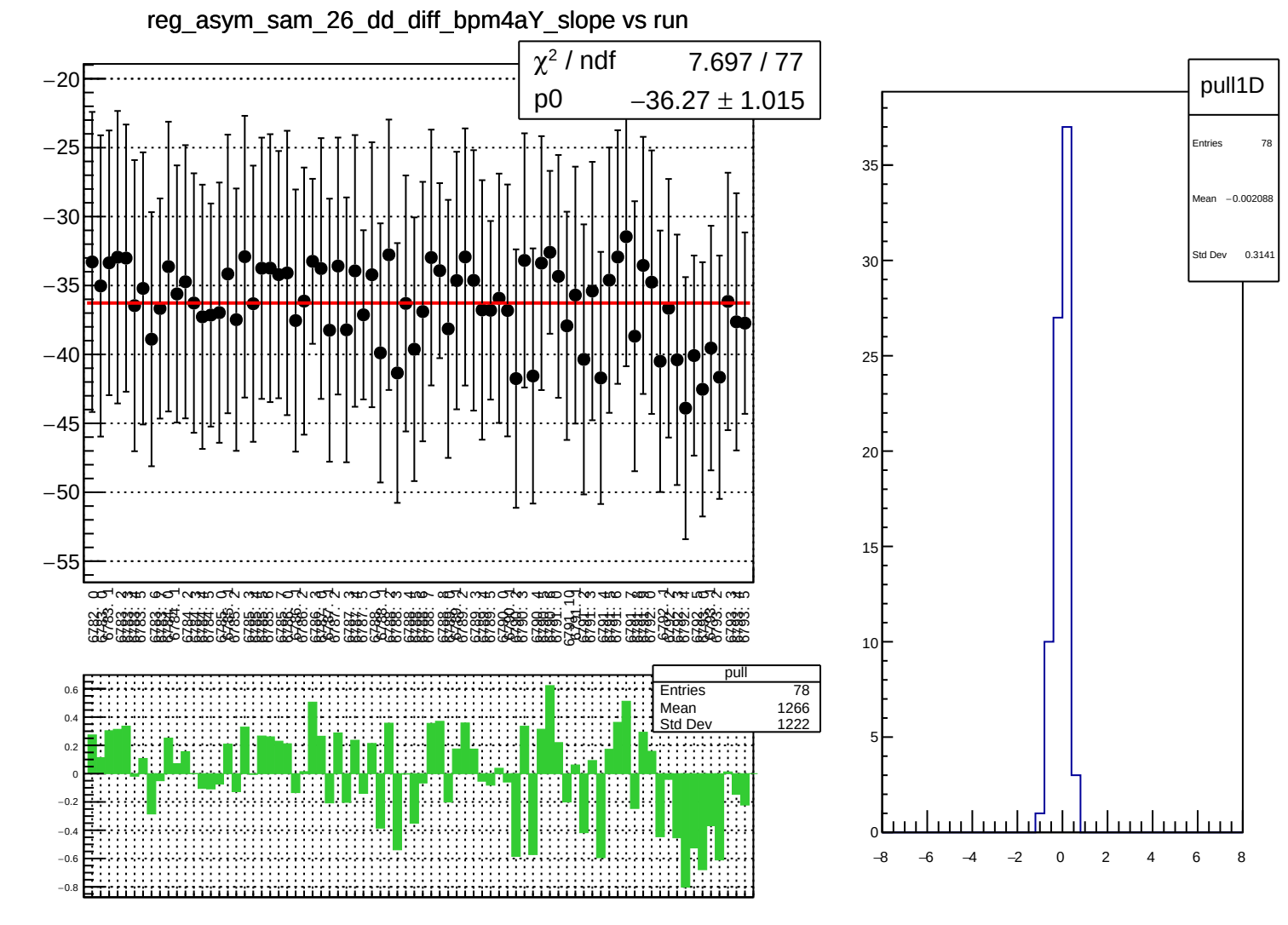

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.55 / 77
p0 −53.92 ± 0.7662
pull
Entries 78
Mean −196.5
Std Dev 230.4
pull1D
Entries 78
Mean −0.02022
Std Dev 0.4006

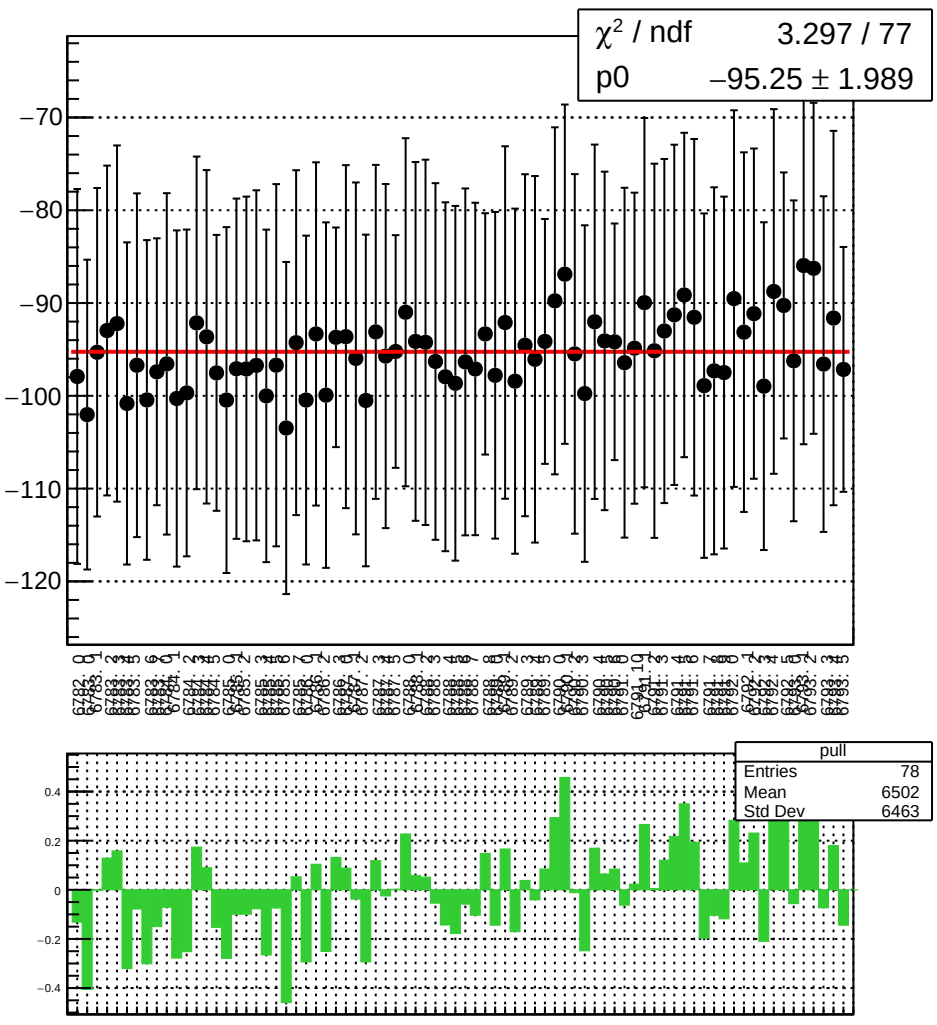

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.39 / 77
p0 −40.01 ± 0.5363
pull
Entries 78
Mean −210.4
Std Dev 251.8
pull1D
Entries 78
Mean −0.01001
Std Dev 0.6443

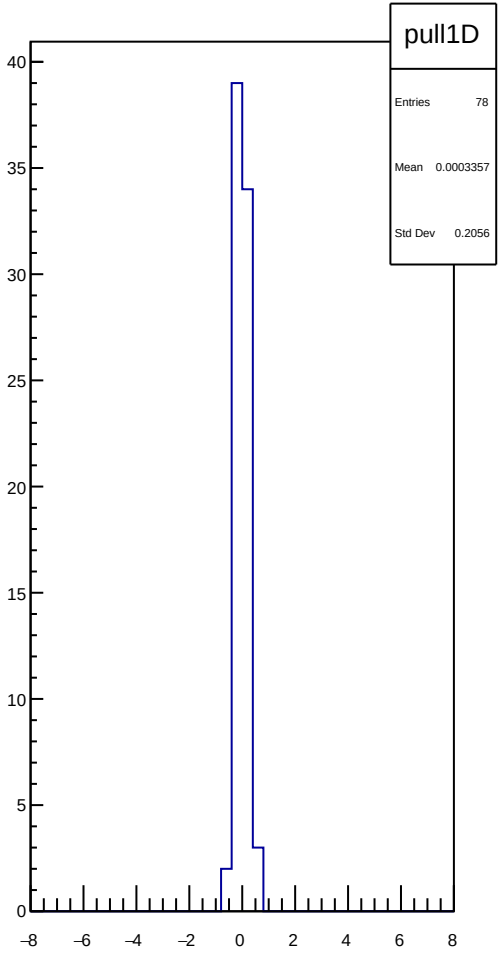

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.107 / 77
p0 0.7049 ± 0.03606
pull
Entries 78
Mean −2628
Std Dev 2706
pull1D
Entries 78
Mean 7.991e−05
Std Dev 0.3019

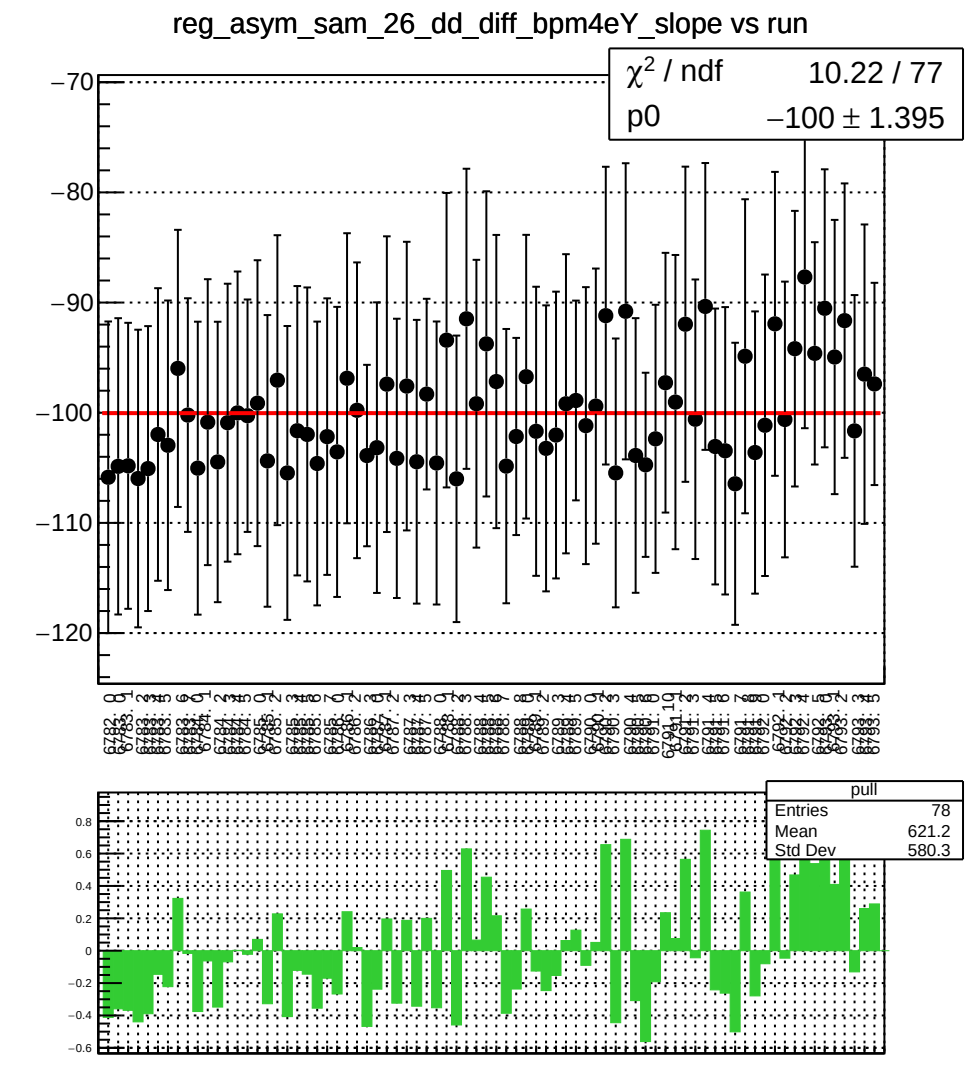

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.304 / 77
p0 −42.04 ± 2.13
pull
Entries 78
Mean −4.248e+04
Std Dev 4.252e+04

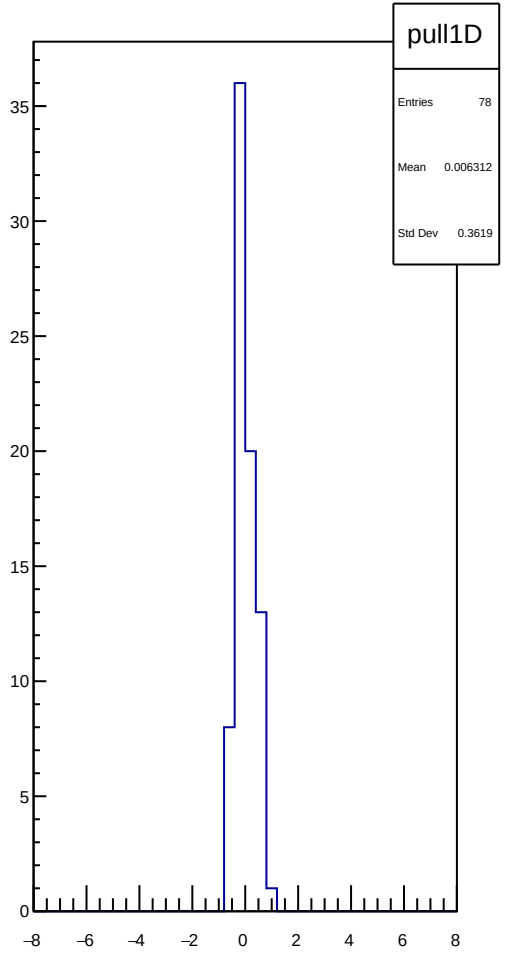

pull1D
Entries 78
Mean 4.587e−05
Std Dev 0.2058

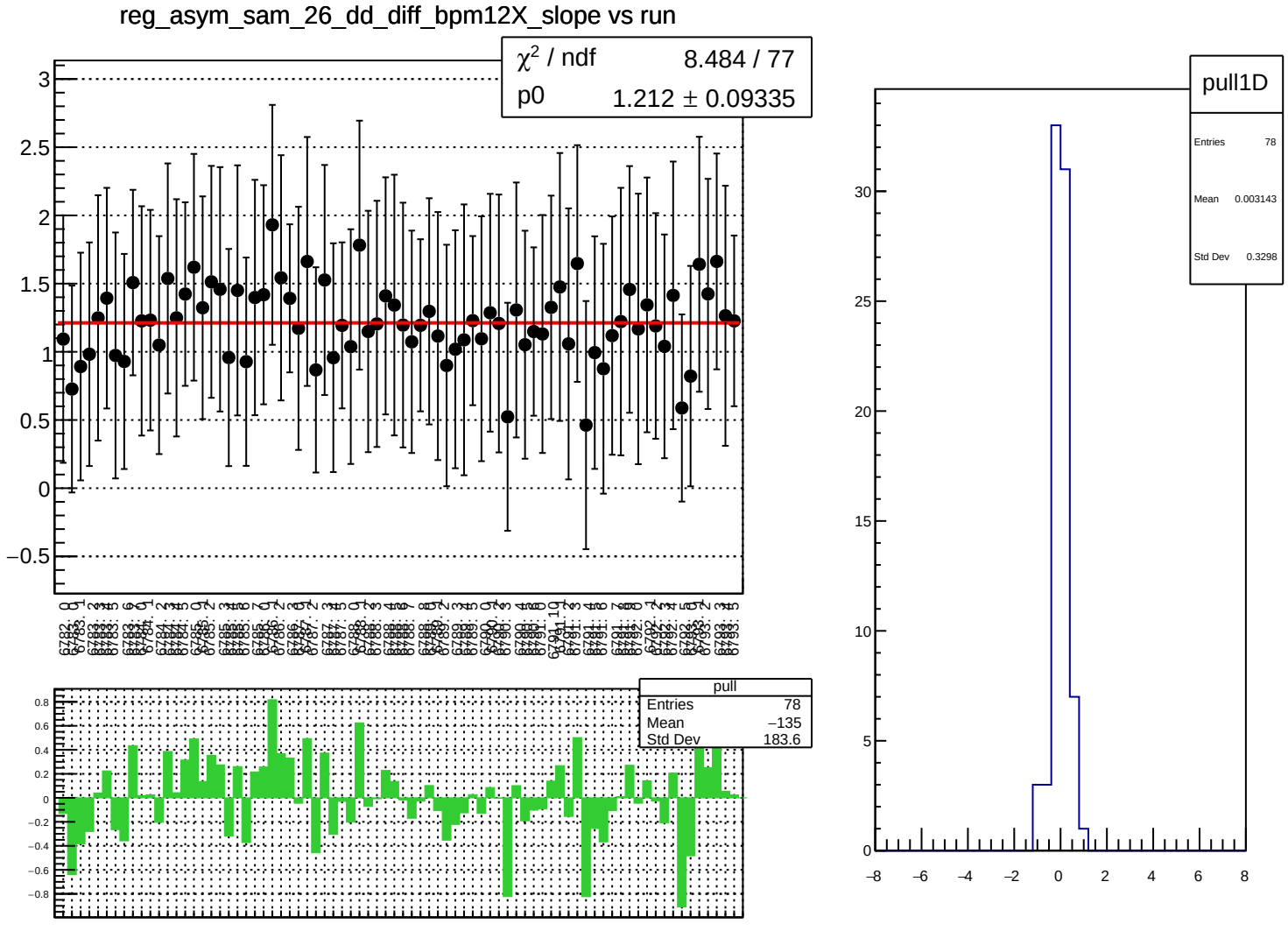

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.697 / 77
p0 −36.27 ± 1.015
pull
Entries 78
Mean 1266
Std Dev 1222
pull1D
Entries 78
Mean −0.002088
Std Dev 0.3141

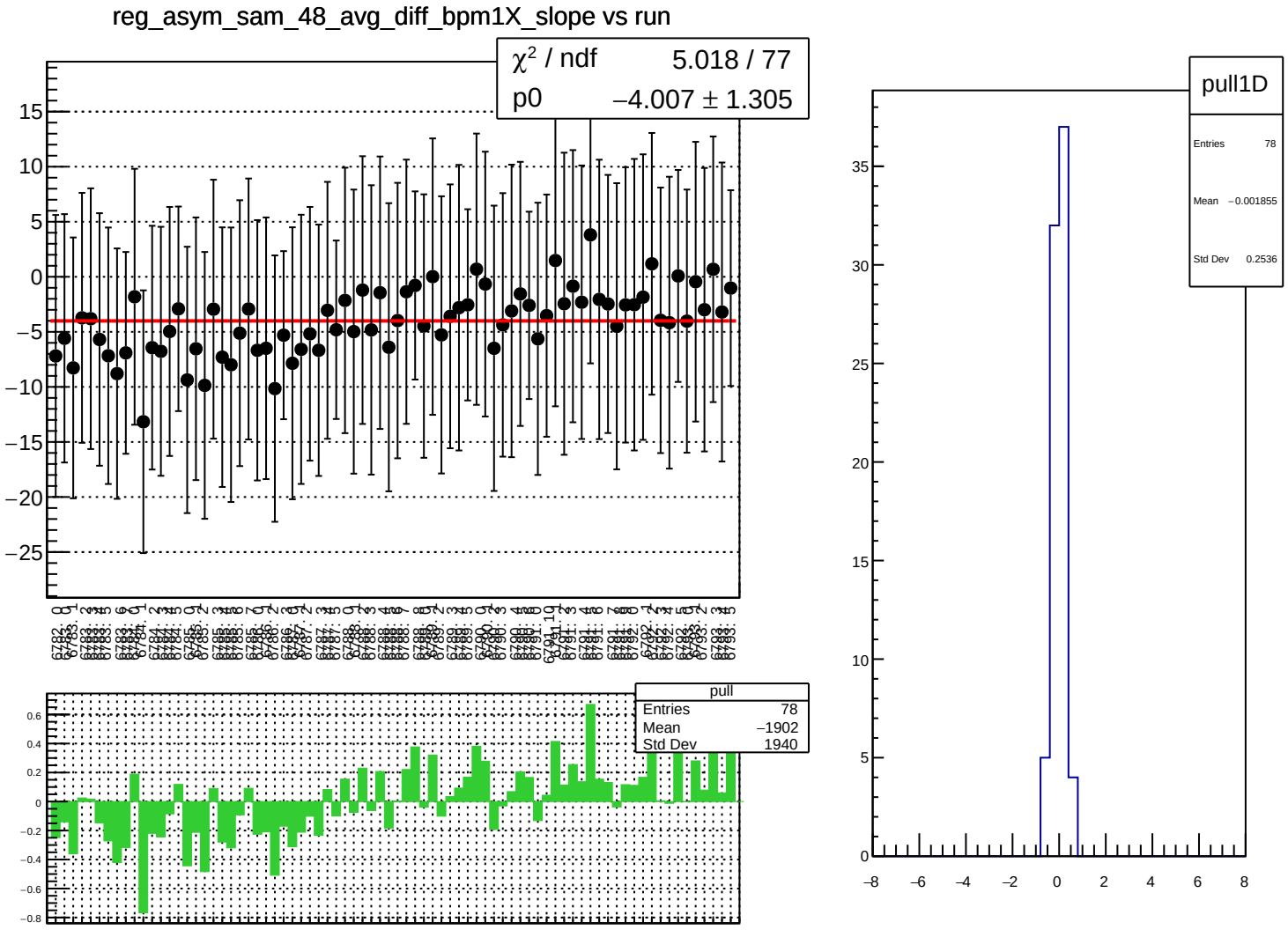

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.297 / 77
p0 −95.25 ± 1.989
pull
Entries 78
Mean 6502
Std Dev 6463

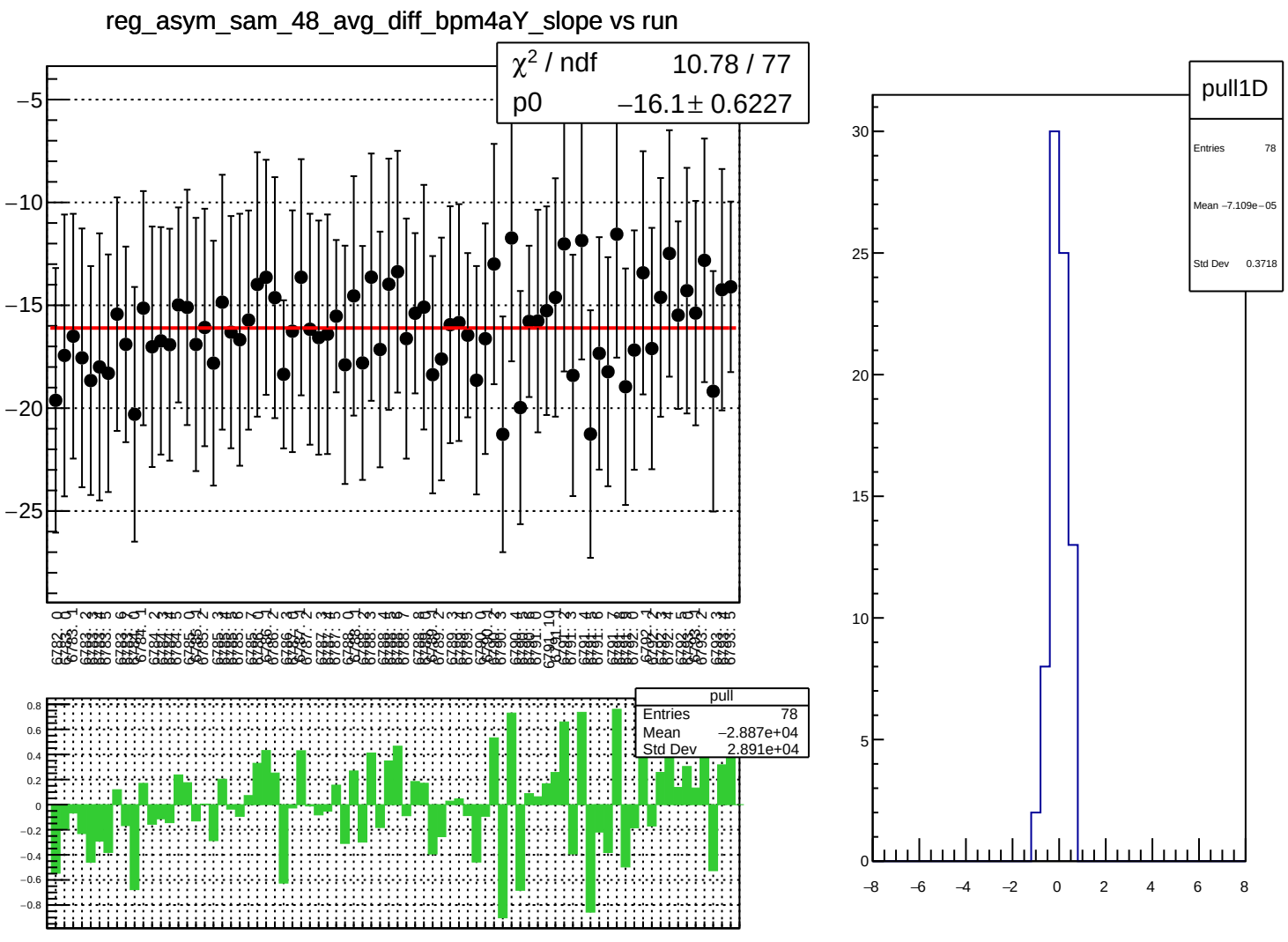

pull1D
Entries 78
Mean 0.0003357
Std Dev 0.2056

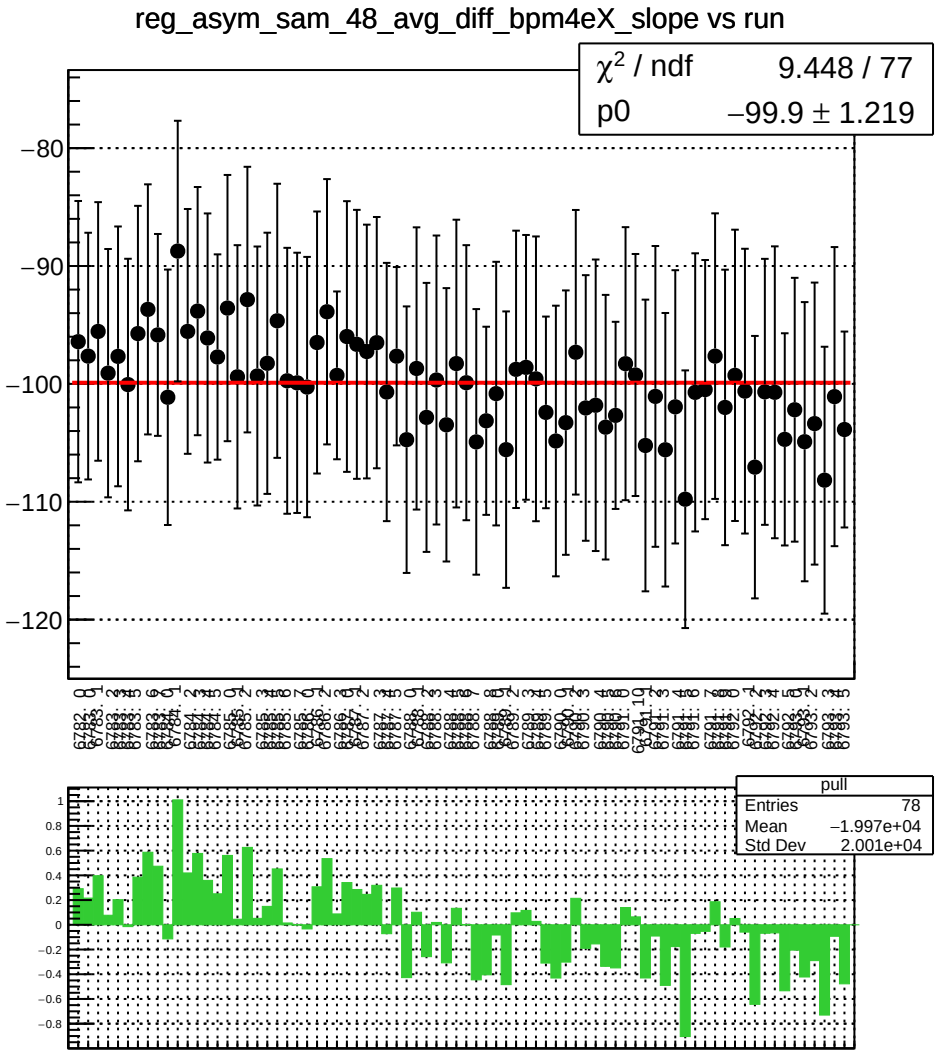

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.22 / 77
p0 −100 ± 1.395
pull
Entries 78
Mean 621.2
Std Dev 580.3

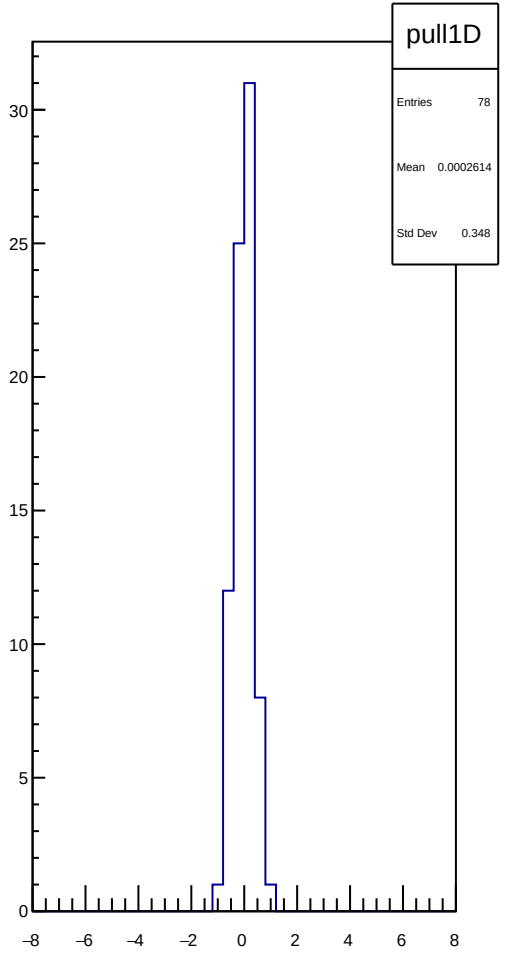

pull1D
Entries 78
Mean 0.006312
Std Dev 0.3619

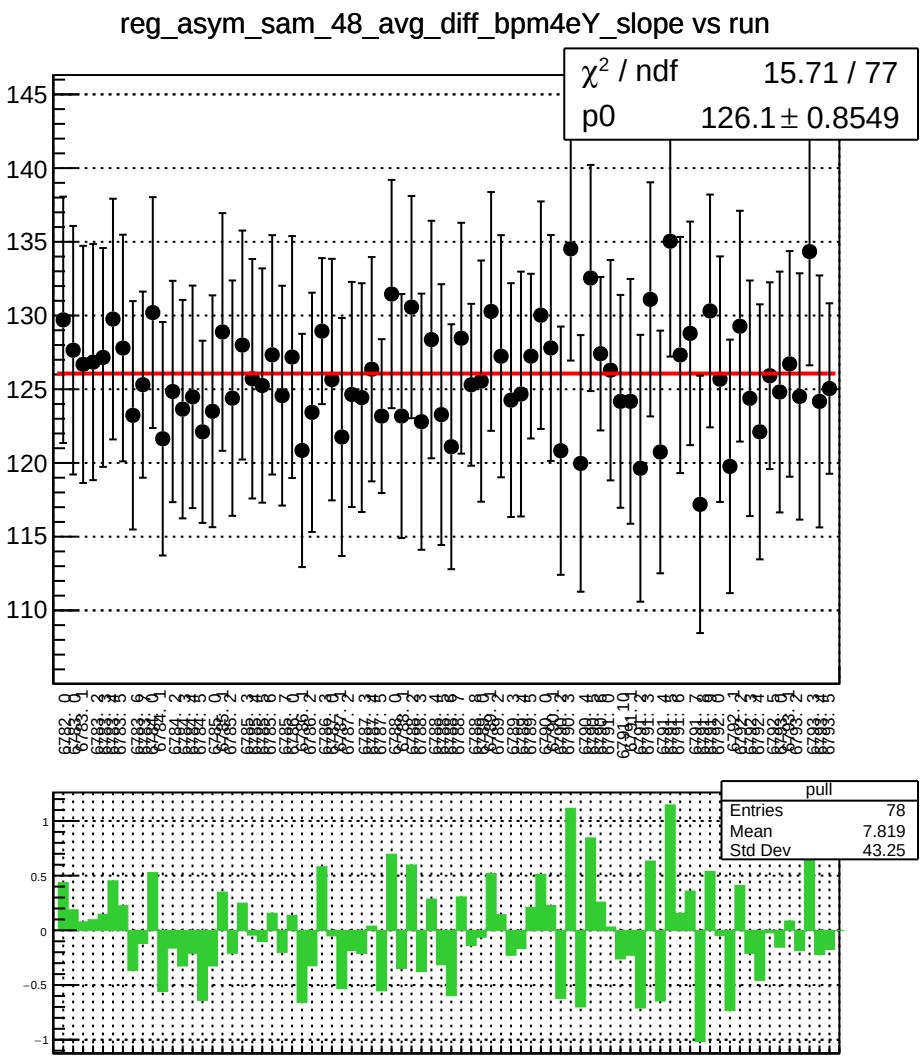

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.484 / 77
p0 1.212 ± 0.09335
pull
Entries 78
Mean −135
Std Dev 183.6
pull1D
Entries 78
Mean 0.003143
Std Dev 0.3298

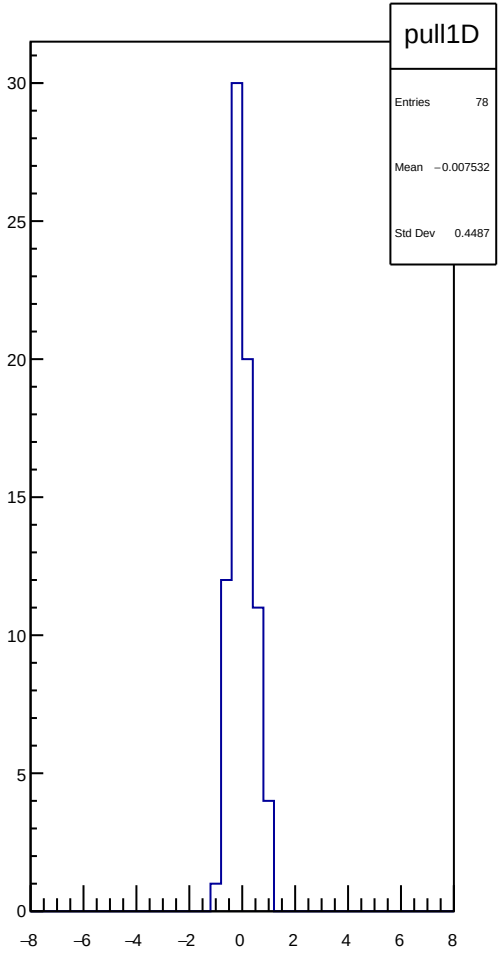

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.018 / 77
p0 −4.007 ± 1.305
pull
Entries 78
Mean −1902
Std Dev 1940
pull1D
Entries 78
Mean −0.001855
Std Dev 0.2536

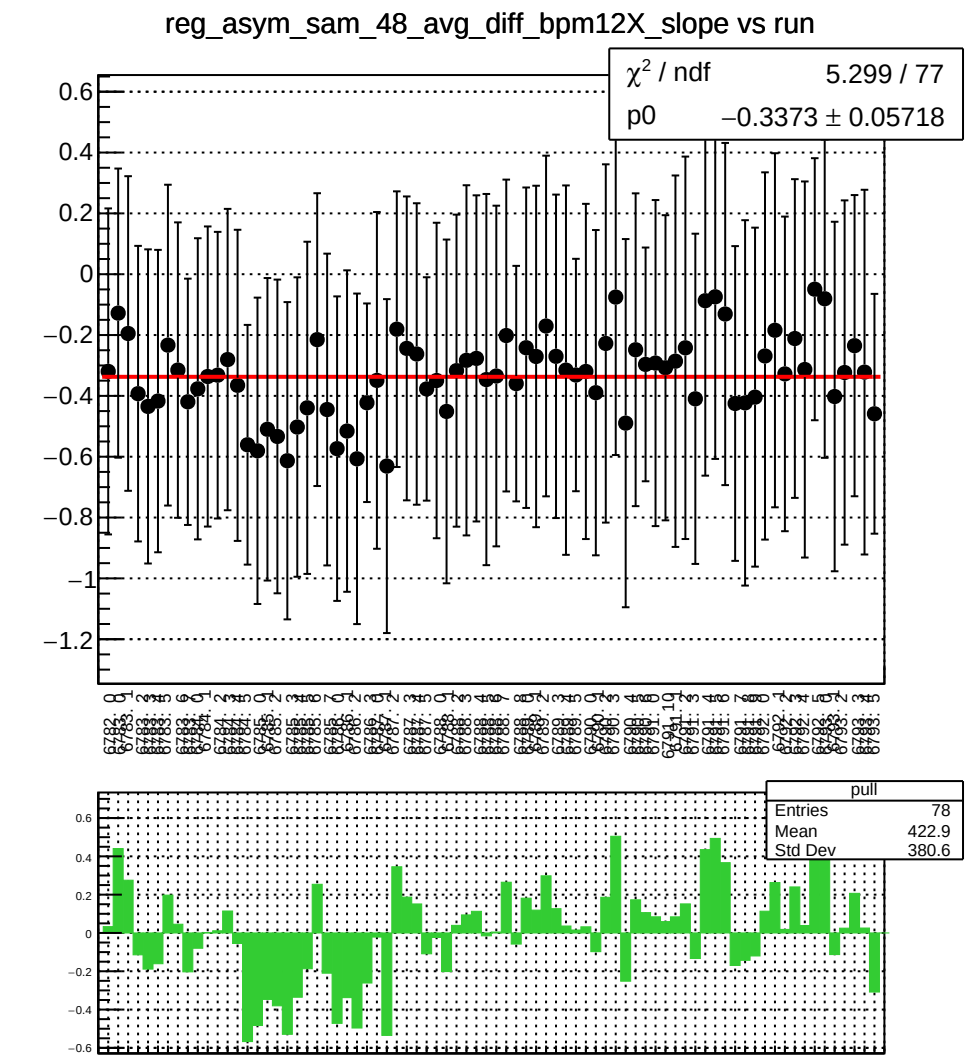

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.78 / 77
p0 −16.1 ± 0.6227
pull
Entries 78
Mean −2.887e+04
Std Dev 2.891e+04
pull1D
Entries 78
Mean −7.109e−05
Std Dev 0.3718

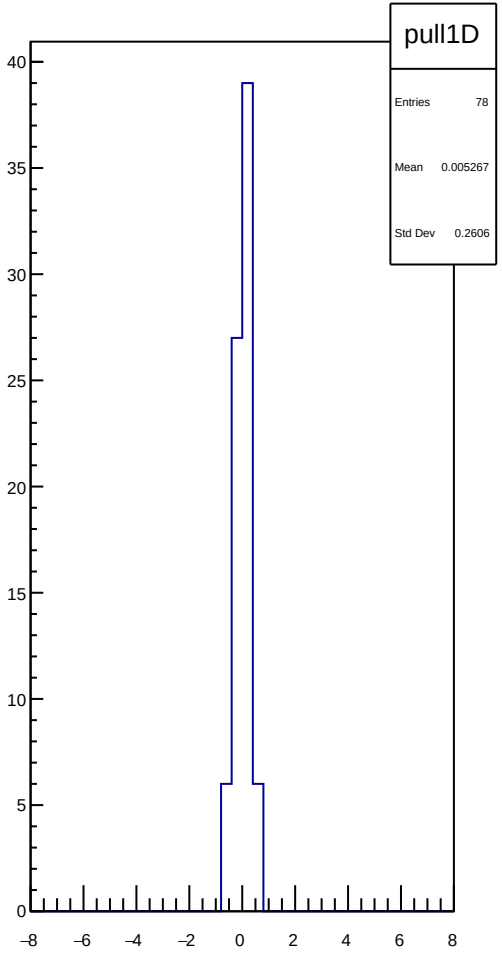

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.448 / 77
p0 −99.9 ± 1.219
−80
−90
−100
−110
−120
pull
Entries 78
Mean −1.997e+04
Std Dev 2.001e+04
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

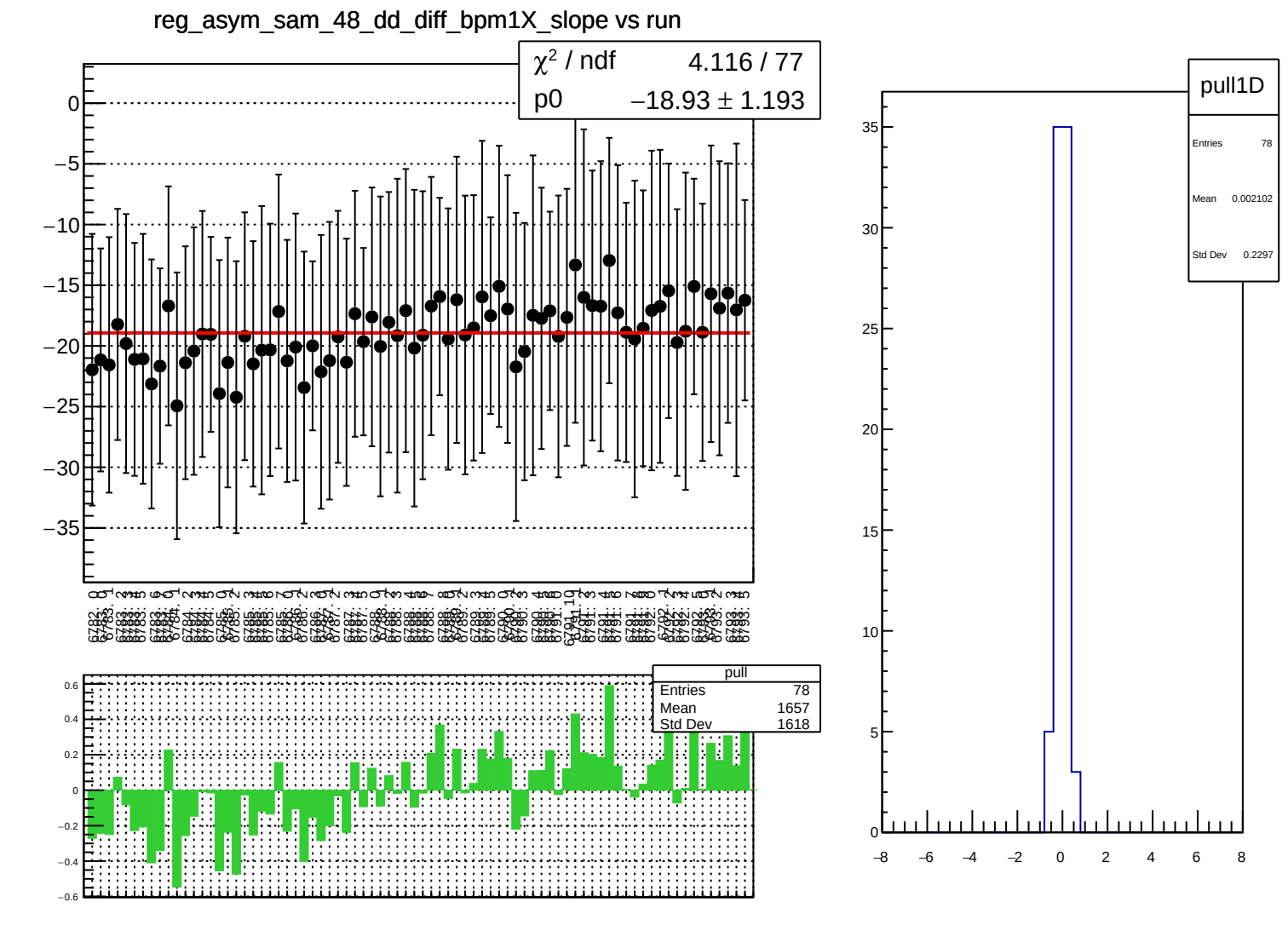

pull1D
Entries 78
Mean 0.0002614
Std Dev 0.348
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

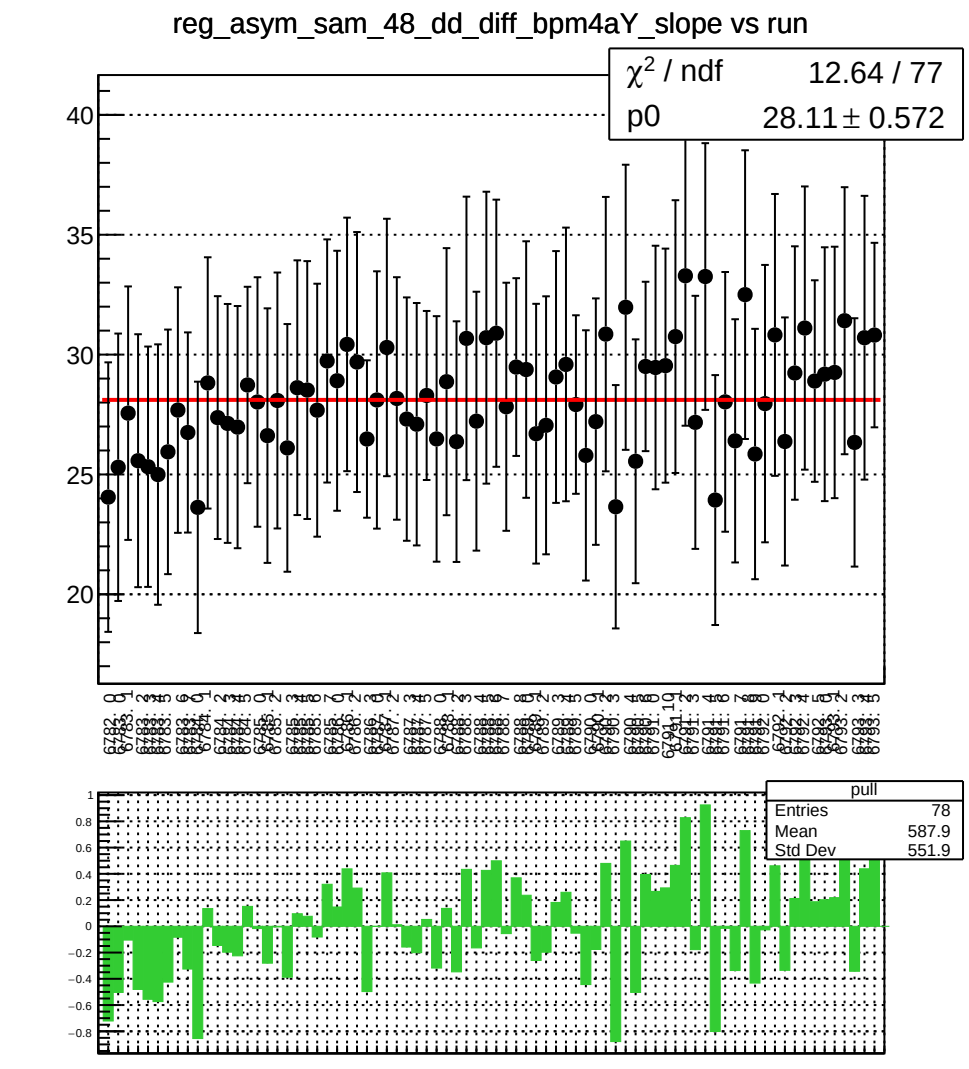

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.71 / 77
p0 126.1 ± 0.8549
pull
Entries 78
Mean 7.819
Std Dev 43.25

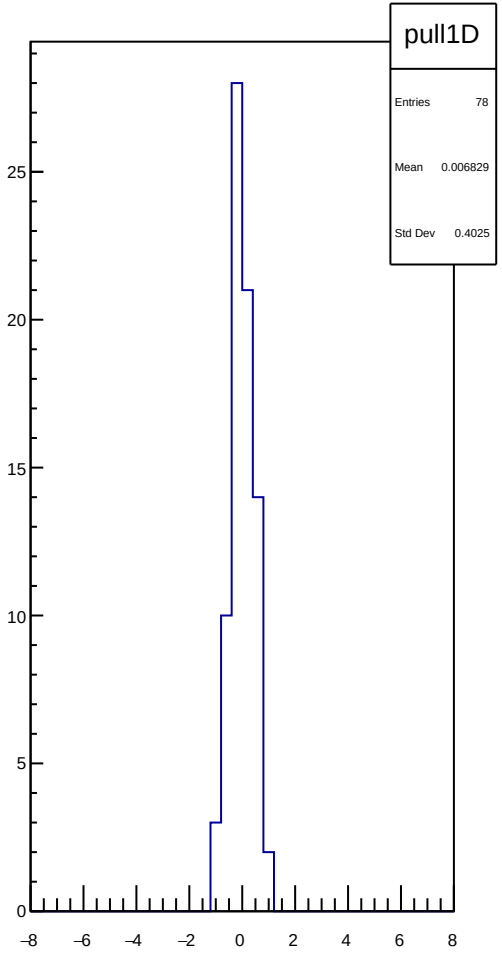

pull1D
Entries 78
Mean −0.007532
Std Dev 0.4487

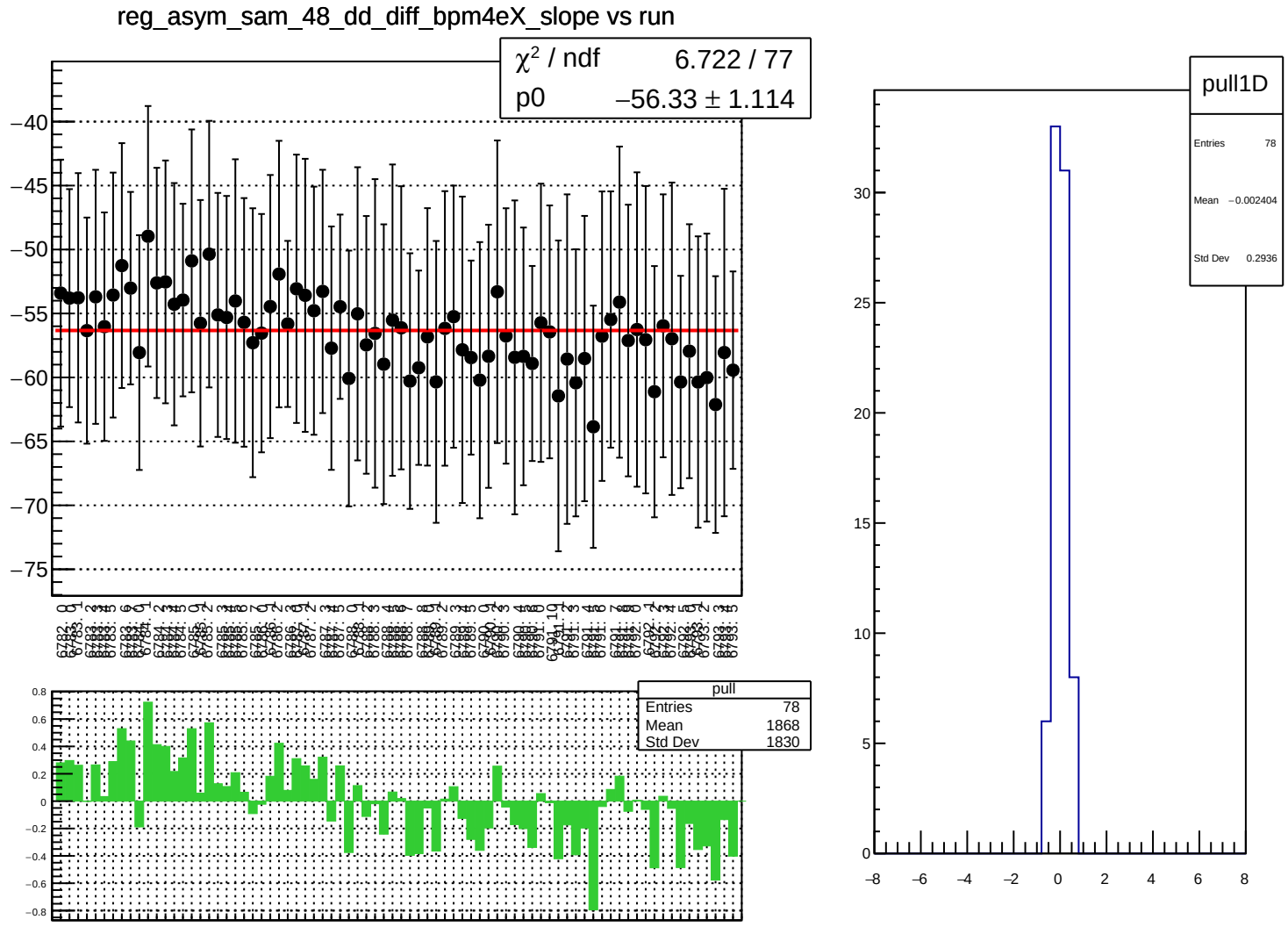

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 5.299 / 77
p0 −0.3373 ± 0.05718
pull
Entries 78
Mean 422.9
Std Dev 380.6

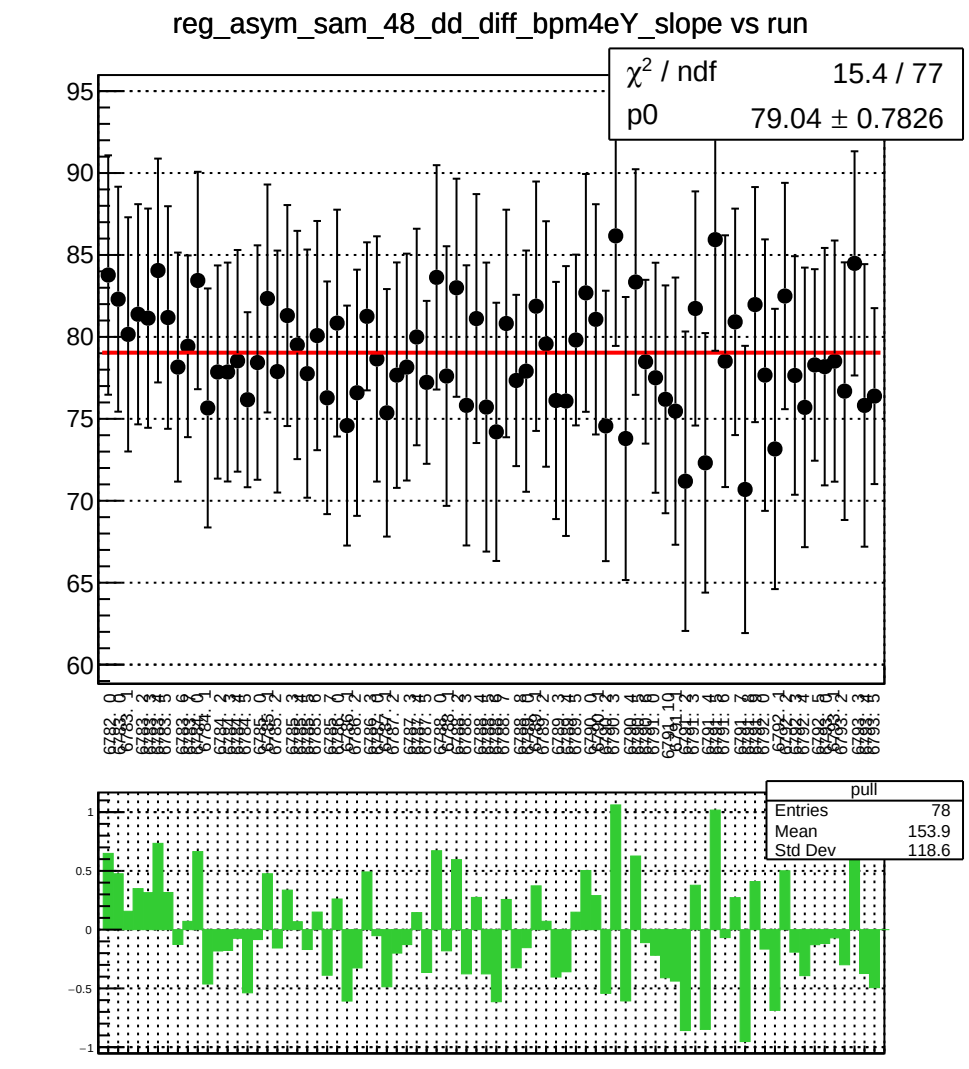

pull1D
Entries 78
Mean 0.005267
Std Dev 0.2606

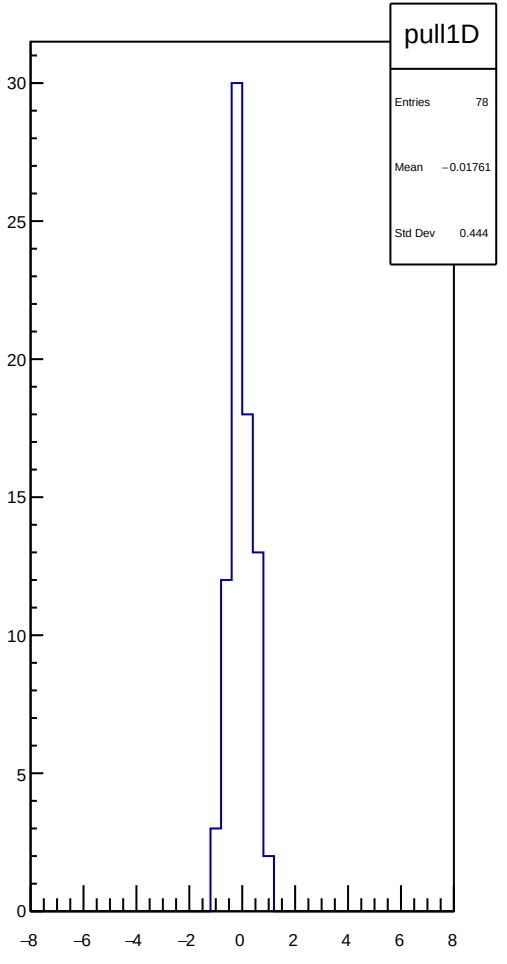

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.116 / 77
p0 −18.93 ± 1.193
pull
Entries 78
Mean 1657
Std Dev 1618
pull1D
Entries 78
Mean 0.002102
Std Dev 0.2297

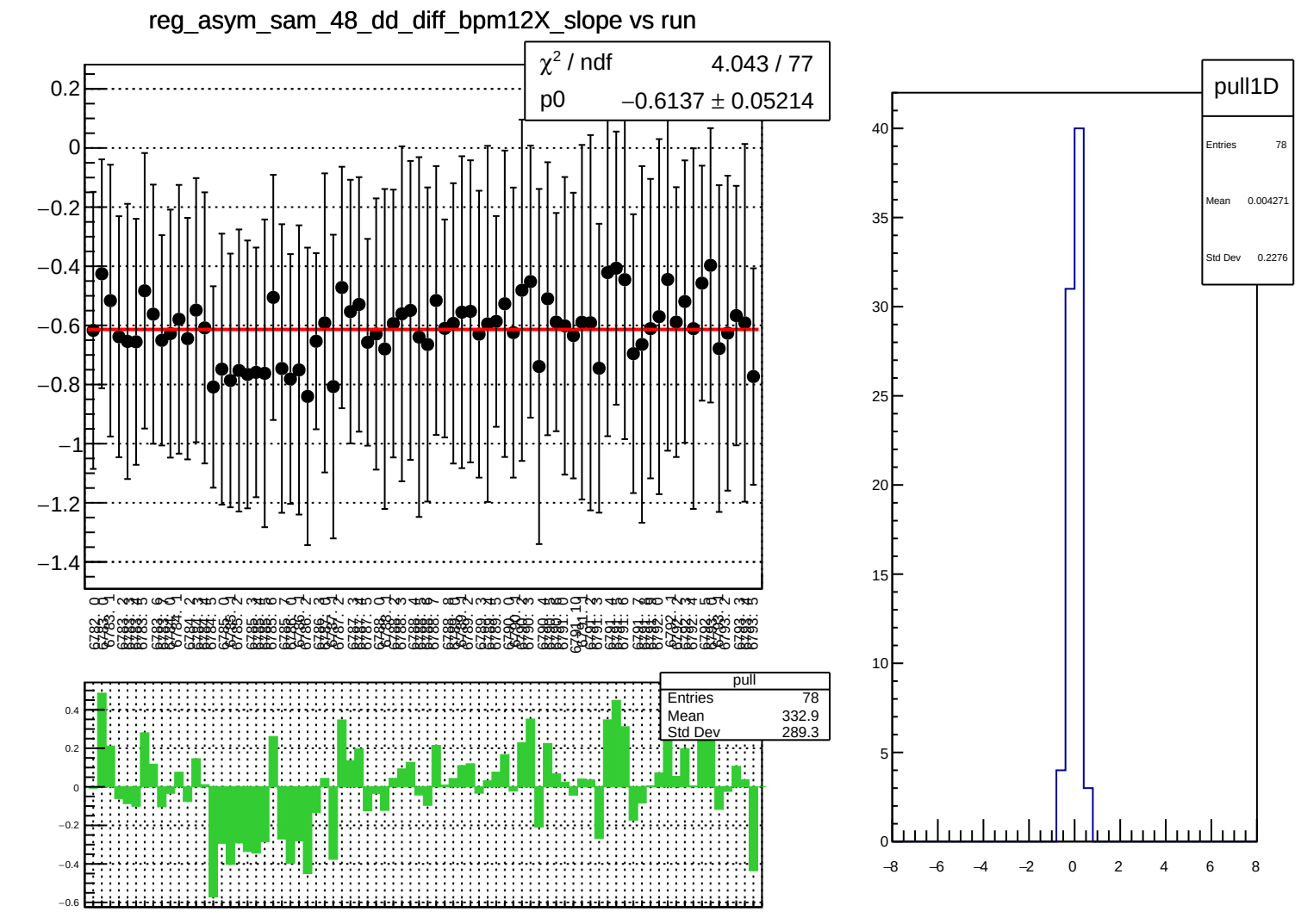

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 77
p0 28.11 ± 0.572
pull
Entries 78
Mean 587.9
Std Dev 551.9

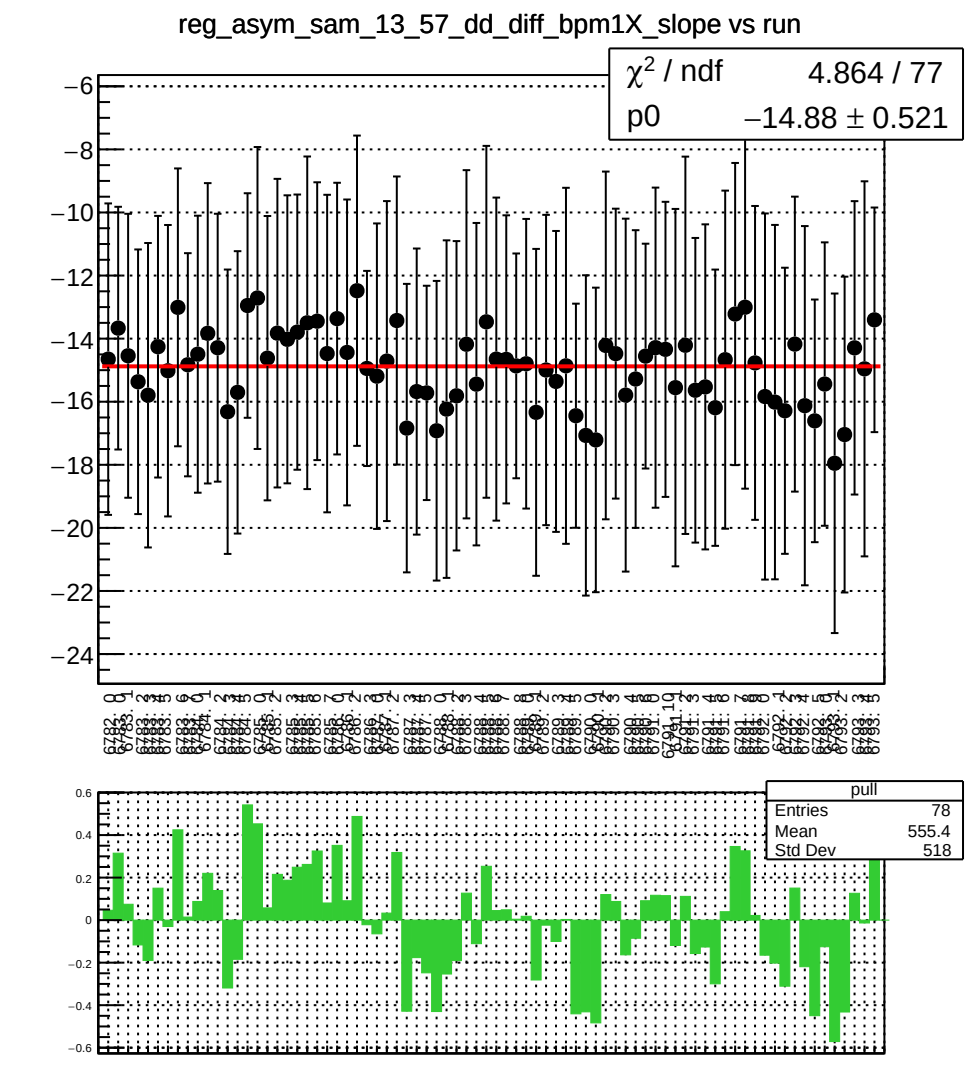

pull1D
Entries 78
Mean 0.006829
Std Dev 0.4025

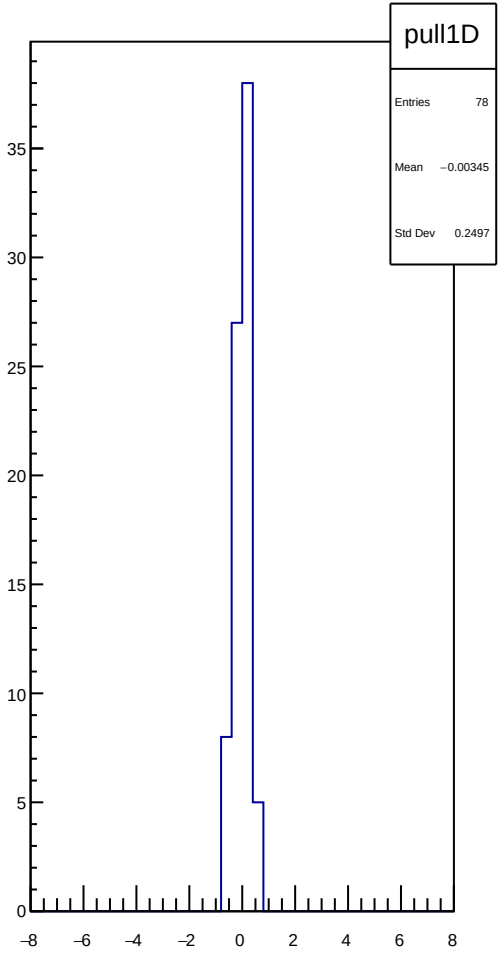

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.722 / 77
p0 −56.33 ± 1.114
pull
Entries 78
Mean 1868
Std Dev 1830
pull1D
Entries 78
Mean −0.002404
Std Dev 0.2936

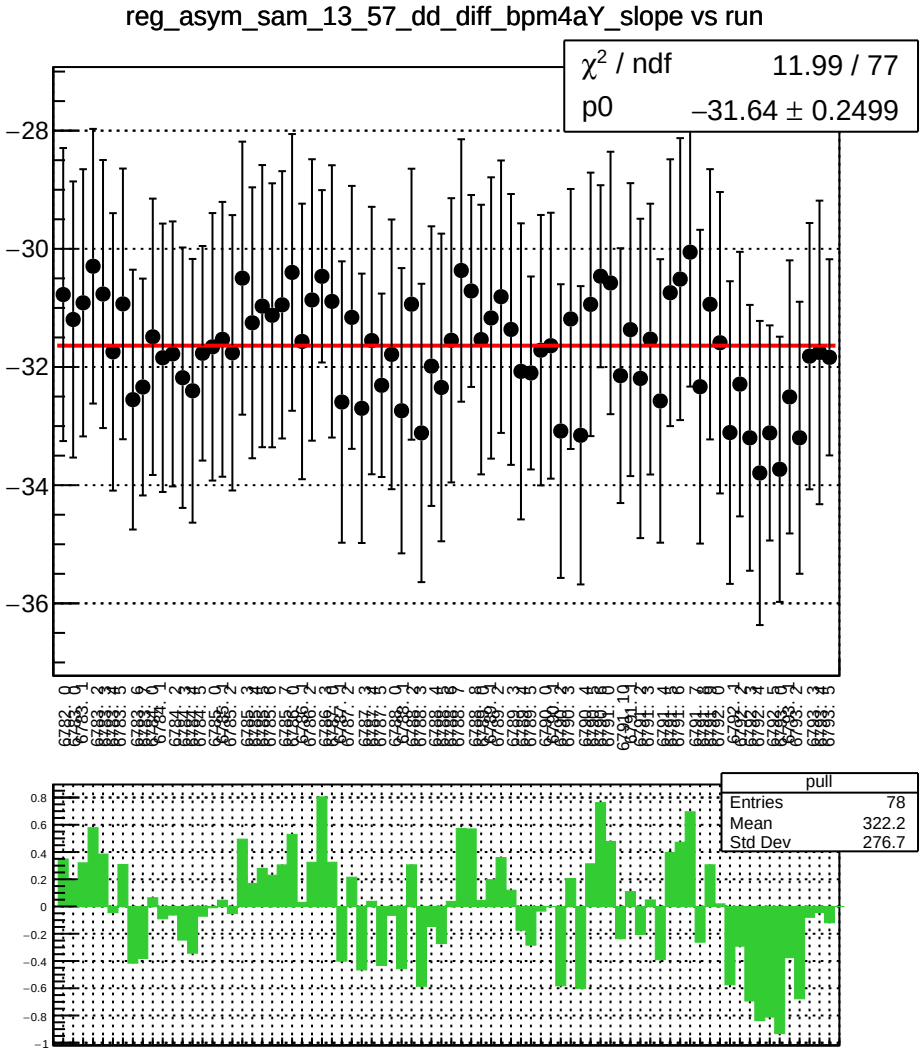

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 77
p0 79.04 ± 0.7826
pull
Entries 78
Mean 153.9
Std Dev 118.6

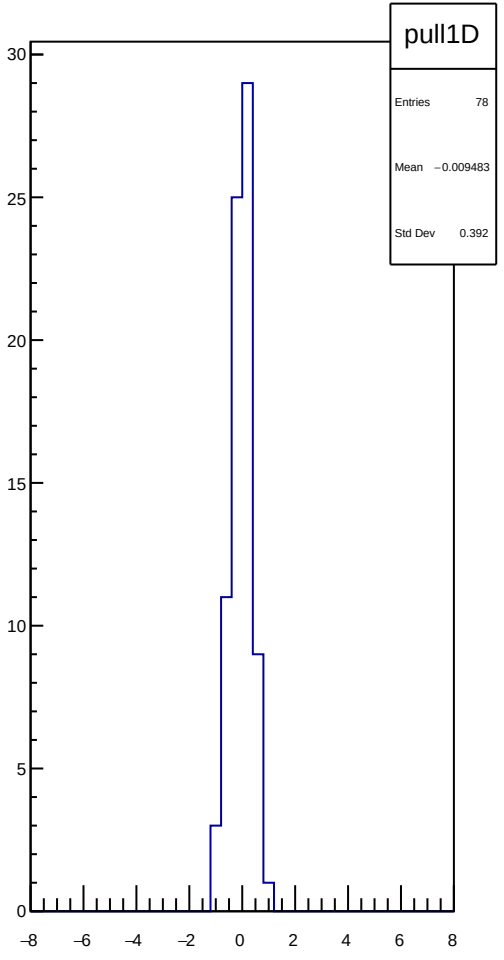

pull1D
Entries 78
Mean −0.01761
Std Dev 0.444

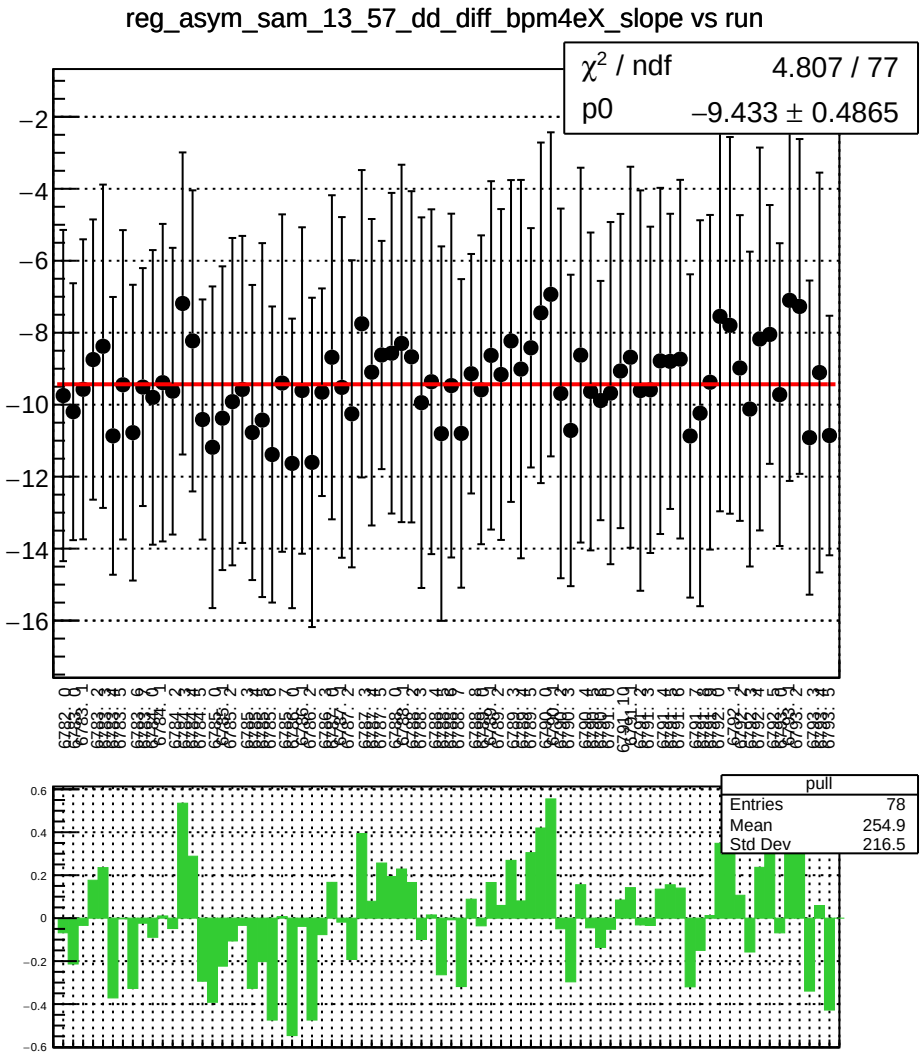

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.043 / 77
p0 −0.6137 ± 0.05214
pull
Entries 78
Mean 332.9
Std Dev 289.3
pull1D
Entries 78
Mean 0.004271
Std Dev 0.2276

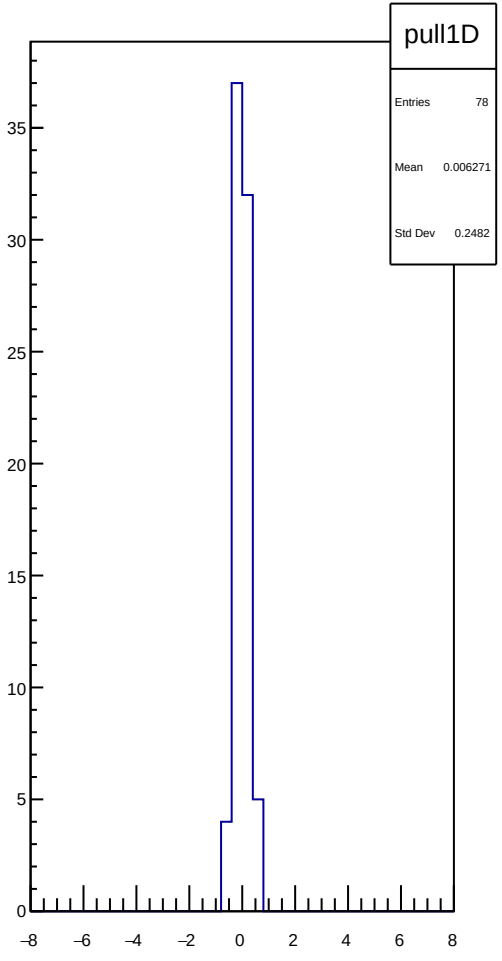

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 4.864 / 77
p0 −14.88 ± 0.521
pull
Entries 78
Mean 555.4
Std Dev 518

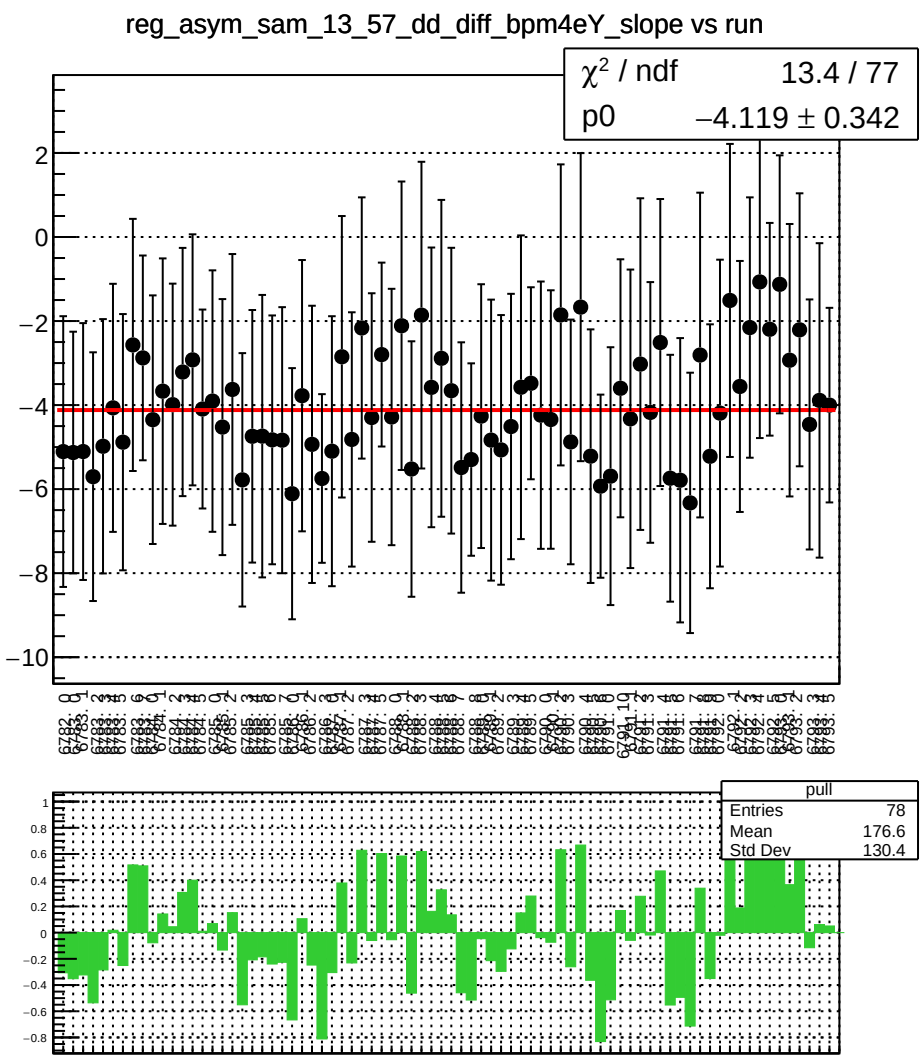

pull1D
Entries 78
Mean −0.00345
Std Dev 0.2497

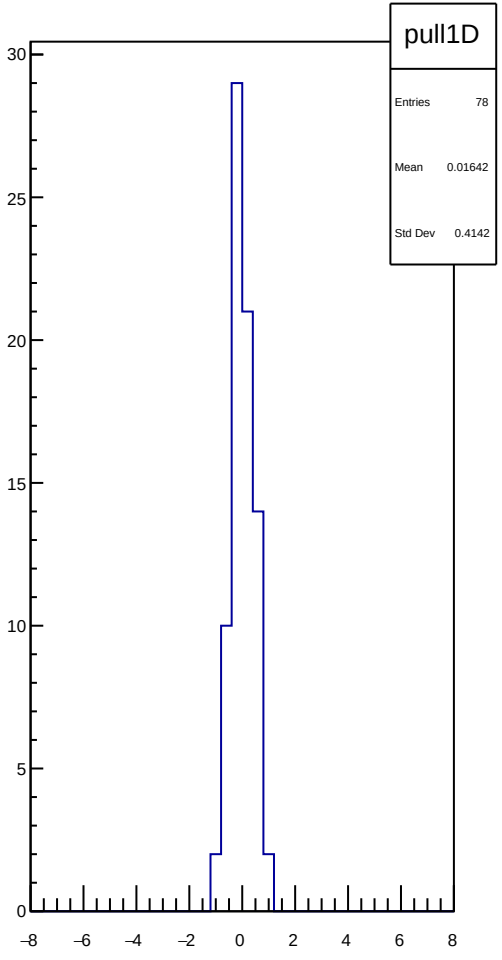

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.99 / 77
p0 −31.64 ± 0.2499
pull
Entries 78
Mean 322.2
Std Dev 276.7

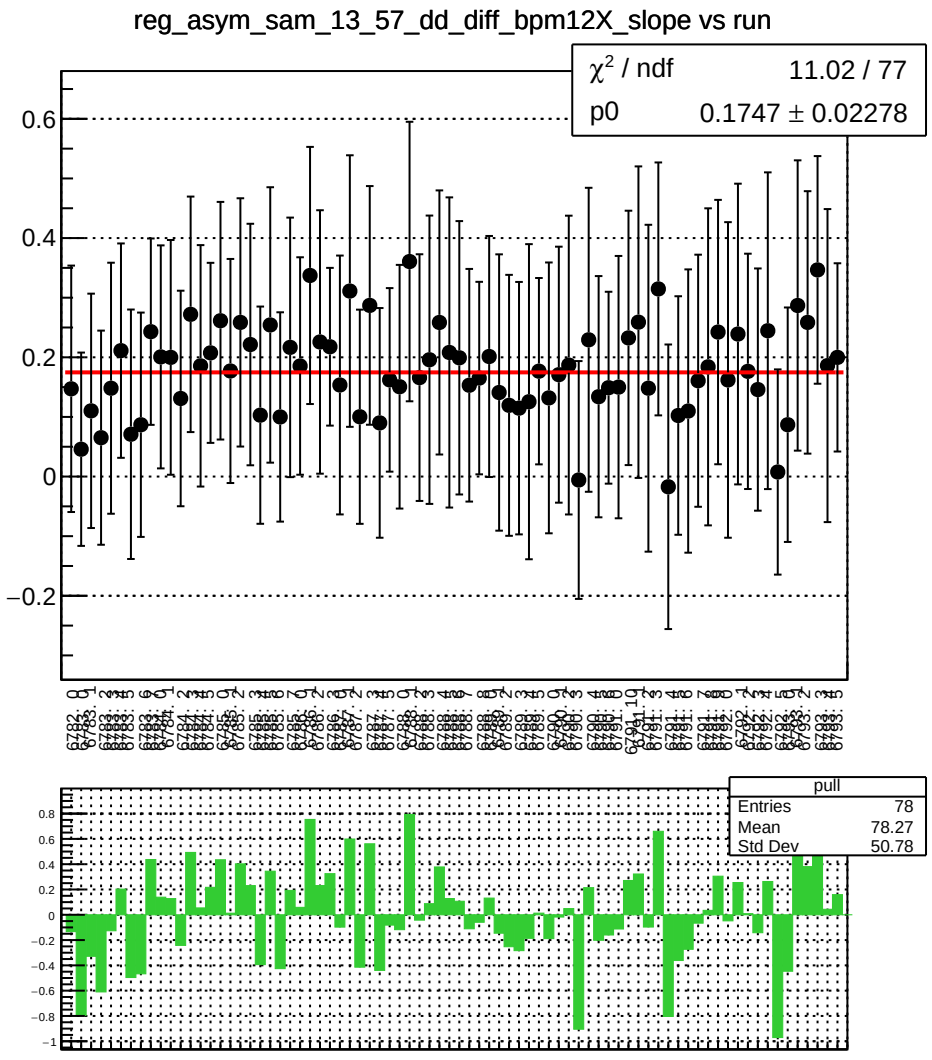

pull1D
Entries 78
Mean −0.009483
Std Dev 0.392

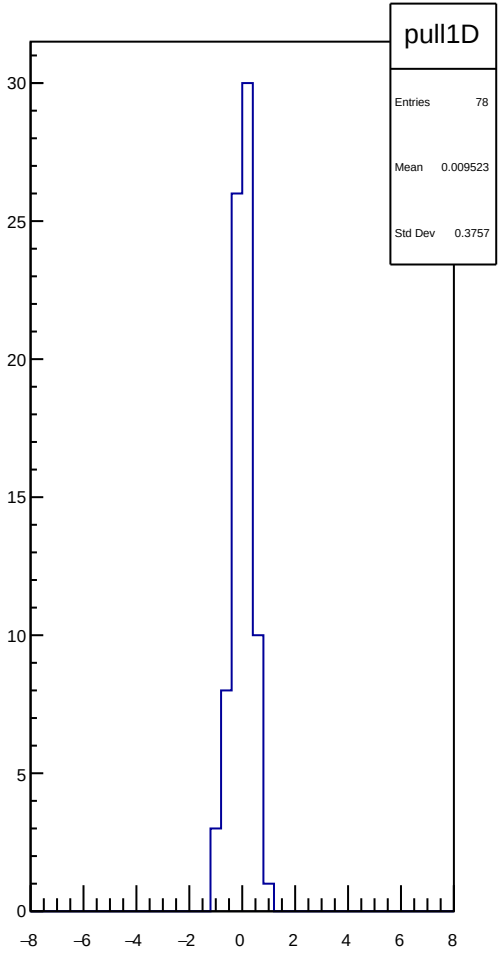

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.807 / 77
p0 −9.433 ± 0.4865
pull
Entries 78
Mean 254.9
Std Dev 216.5

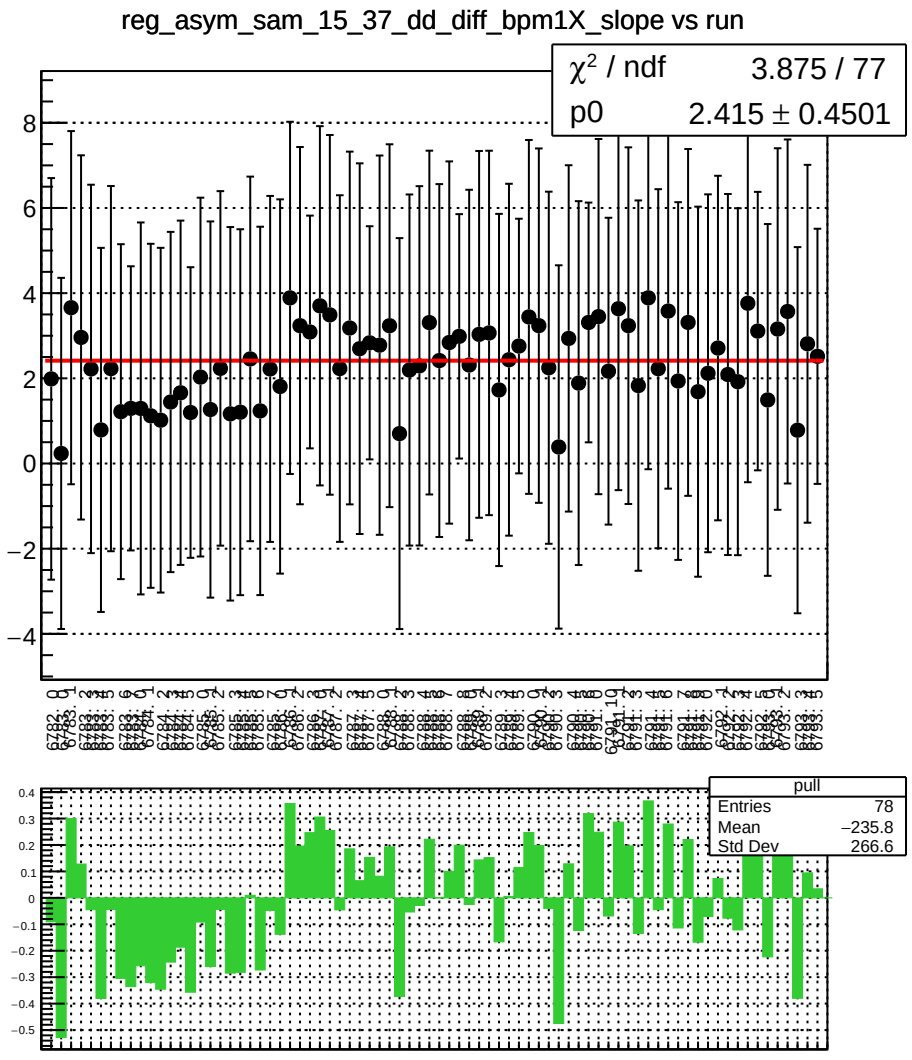

pull1D
Entries 78
Mean 0.006271
Std Dev 0.2482

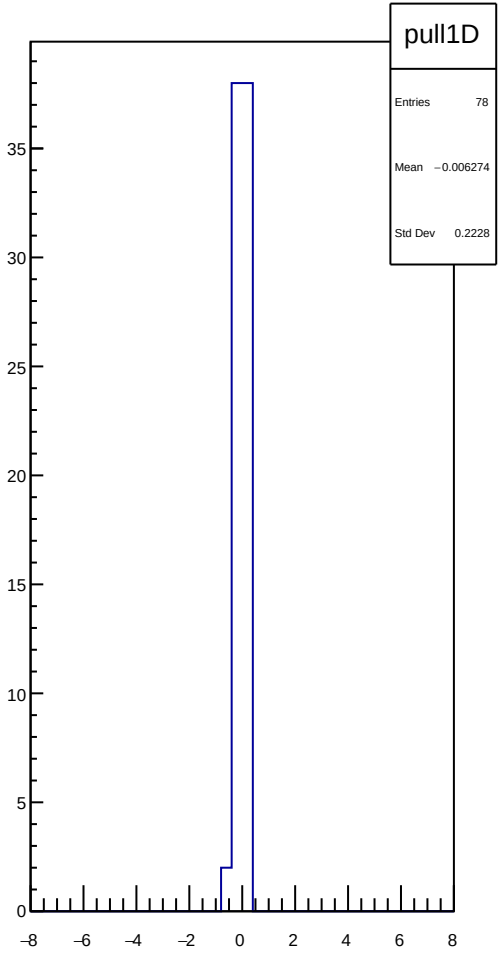

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.4 / 77
p0 −4.119 ± 0.342
pull
Entries 78
Mean 176.6
Std Dev 130.4

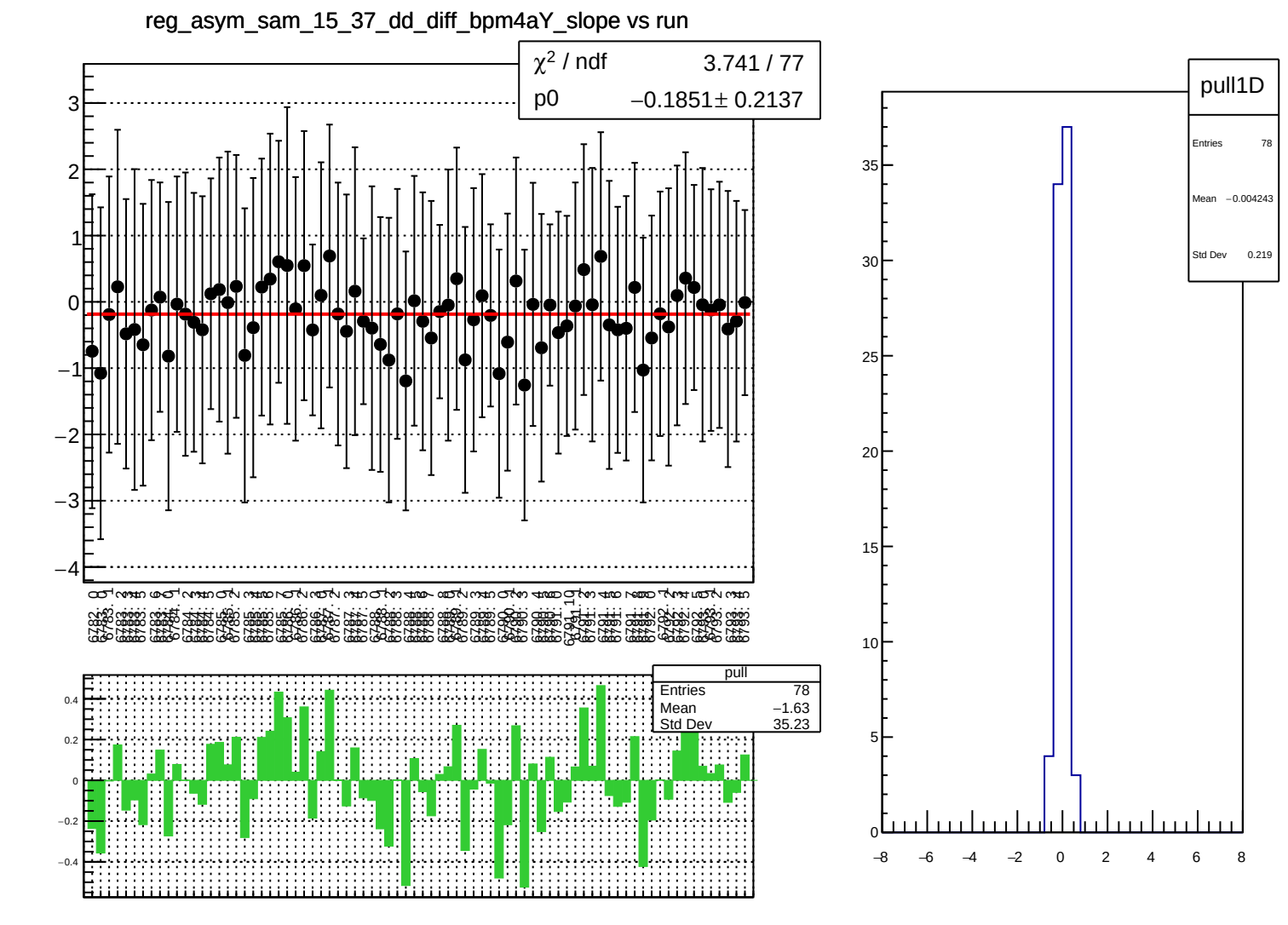

pull1D
Entries 78
Mean 0.01642
Std Dev 0.4142

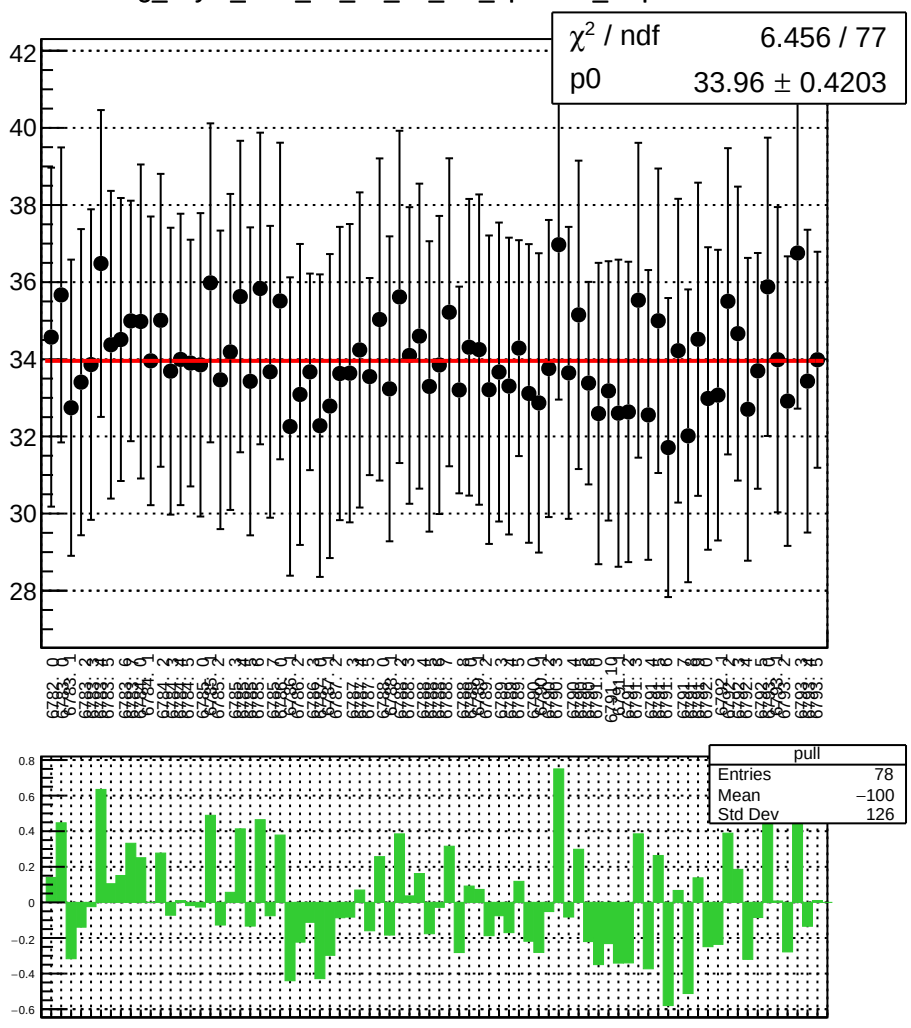

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 11.02 / 77
p0 0.1747 ± 0.02278
pull
Entries 78
Mean 78.27
Std Dev 50.78

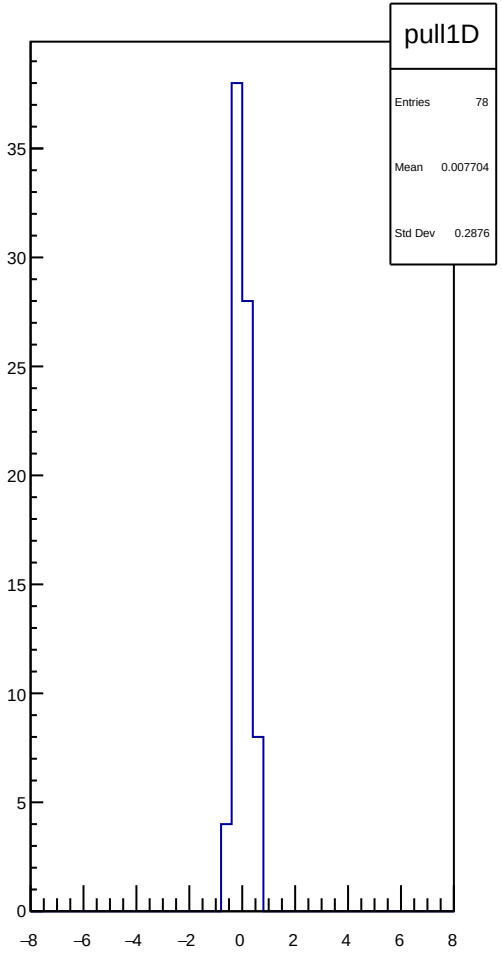

pull1D
Entries 78
Mean 0.009523
Std Dev 0.3757

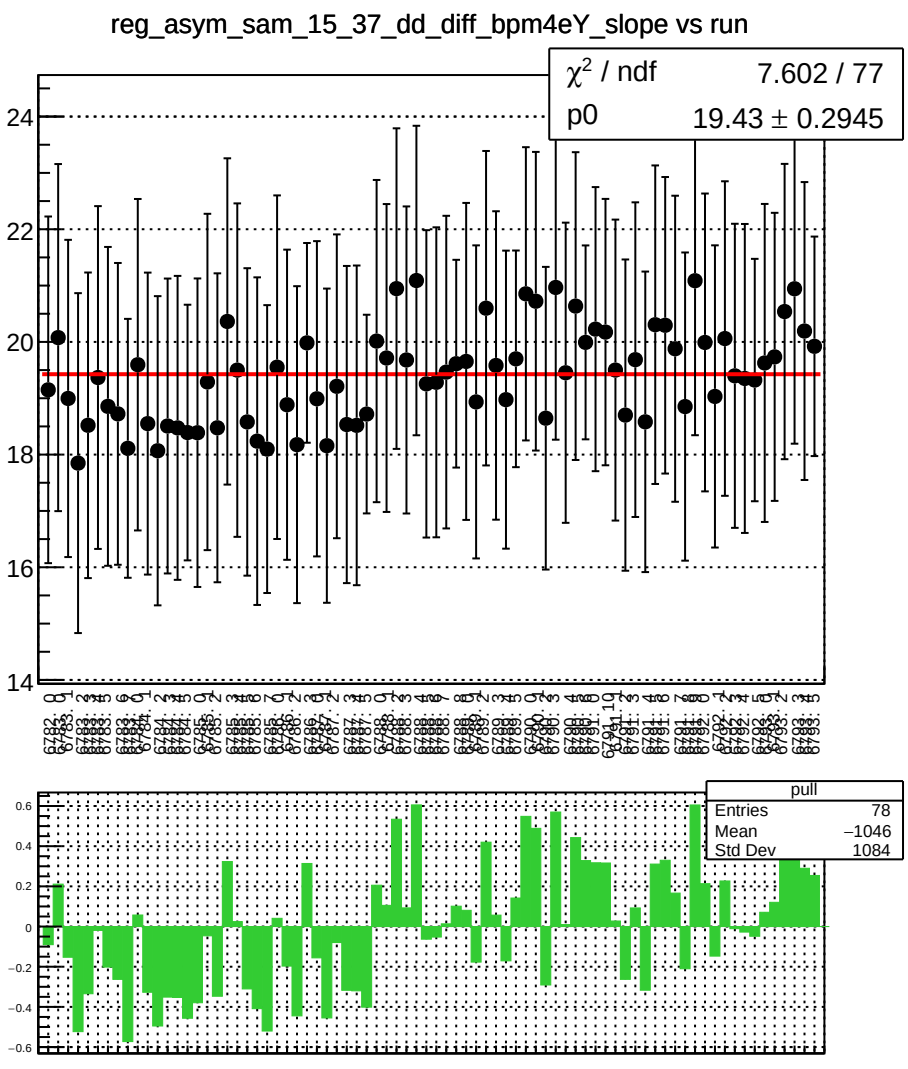

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.875 / 77
p0 2.415 ± 0.4501
pull
Entries 78
Mean −235.8
Std Dev 266.6

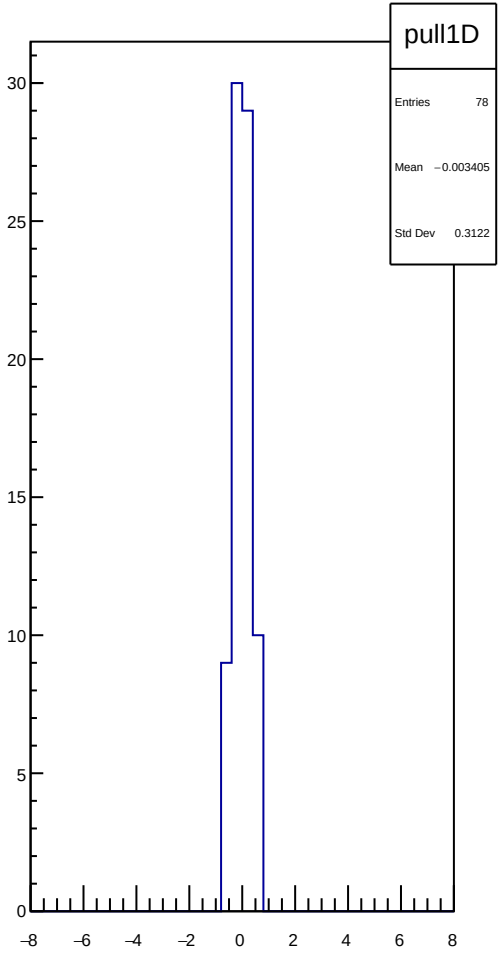

pull1D
Entries 78
Mean −0.006274
Std Dev 0.2228

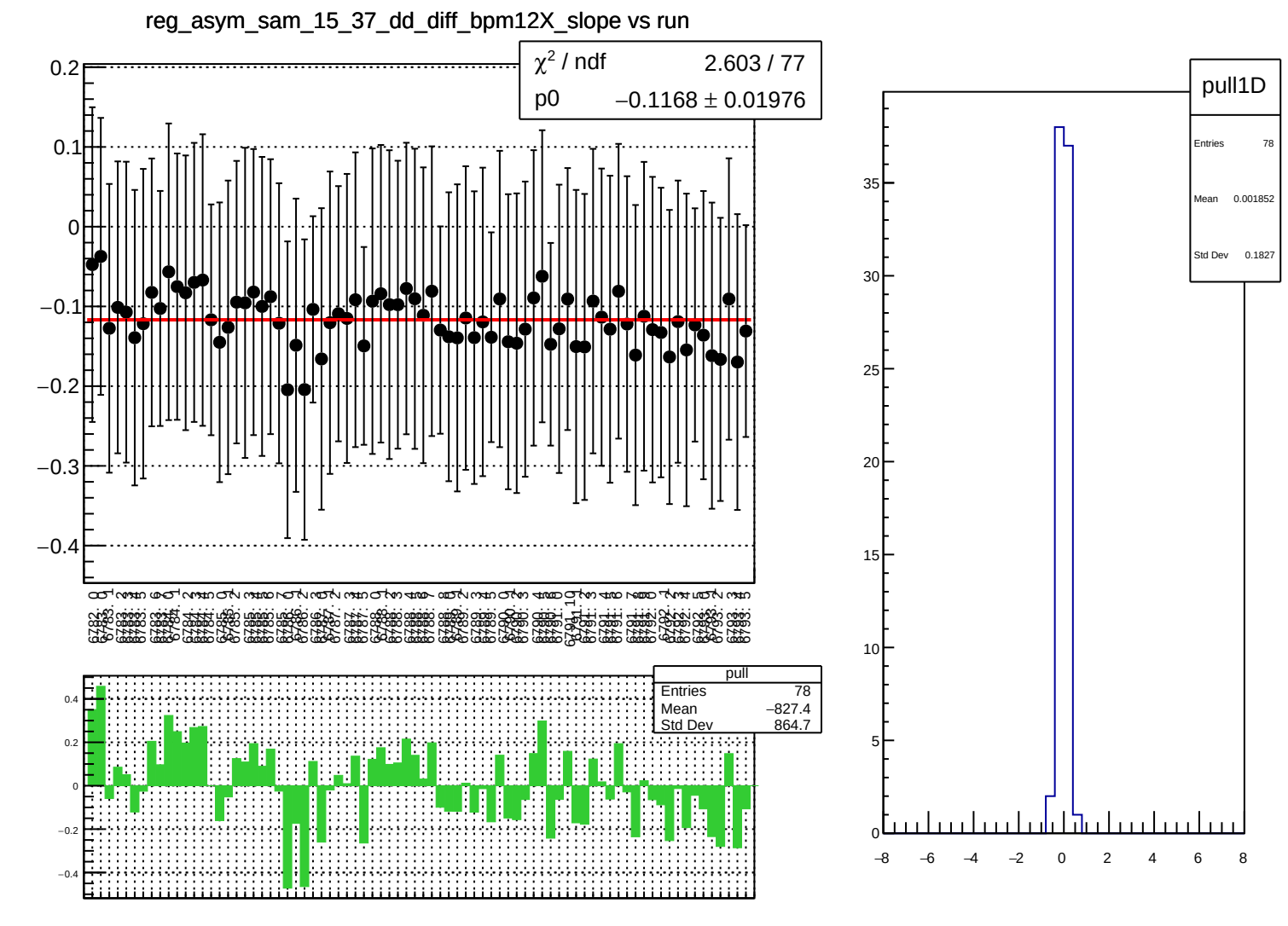

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.741 / 77
p0 −0.1851± 0.2137
pull
Entries 78
Mean −1.63
Std Dev 35.23
pull1D
Entries 78
Mean −0.004243
Std Dev 0.219

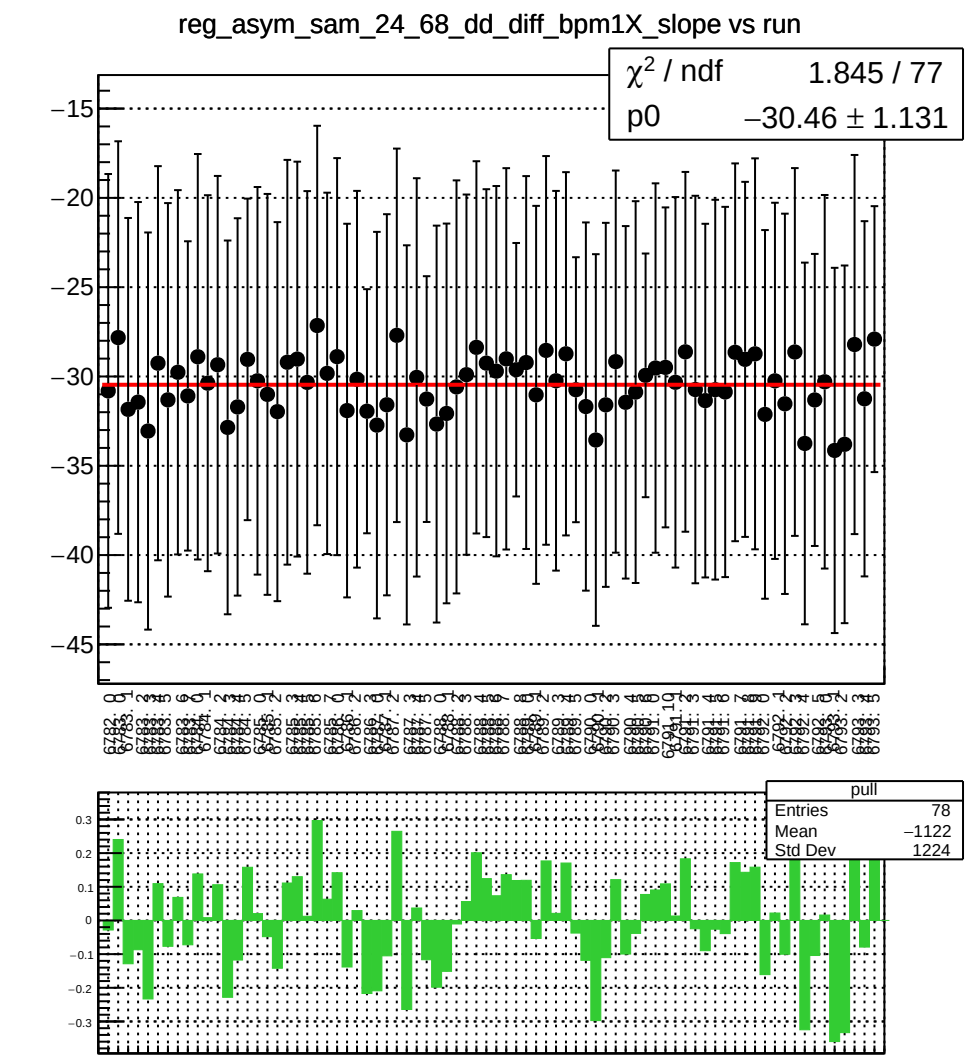

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.456 / 77
p0 33.96 ± 0.4203
pull
Entries 78
Mean −100
Std Dev 126

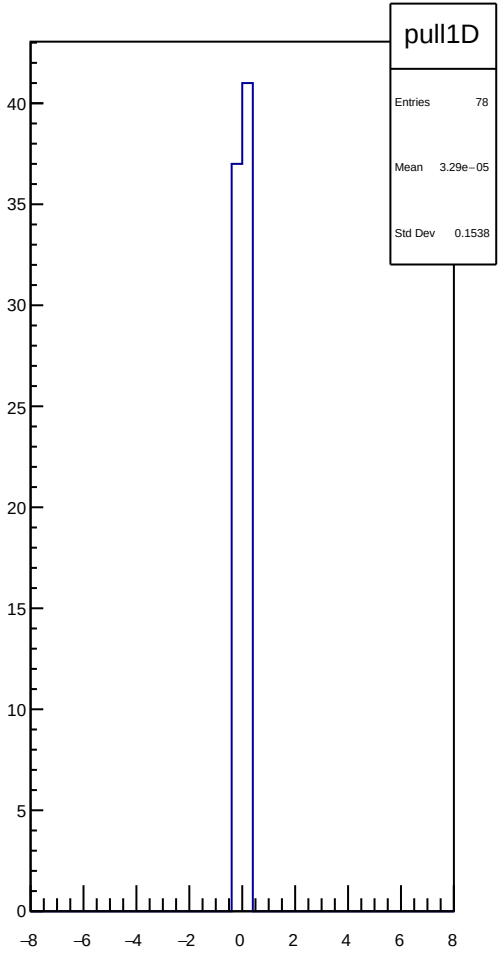

pull1D
Entries 78
Mean 0.007704
Std Dev 0.2876

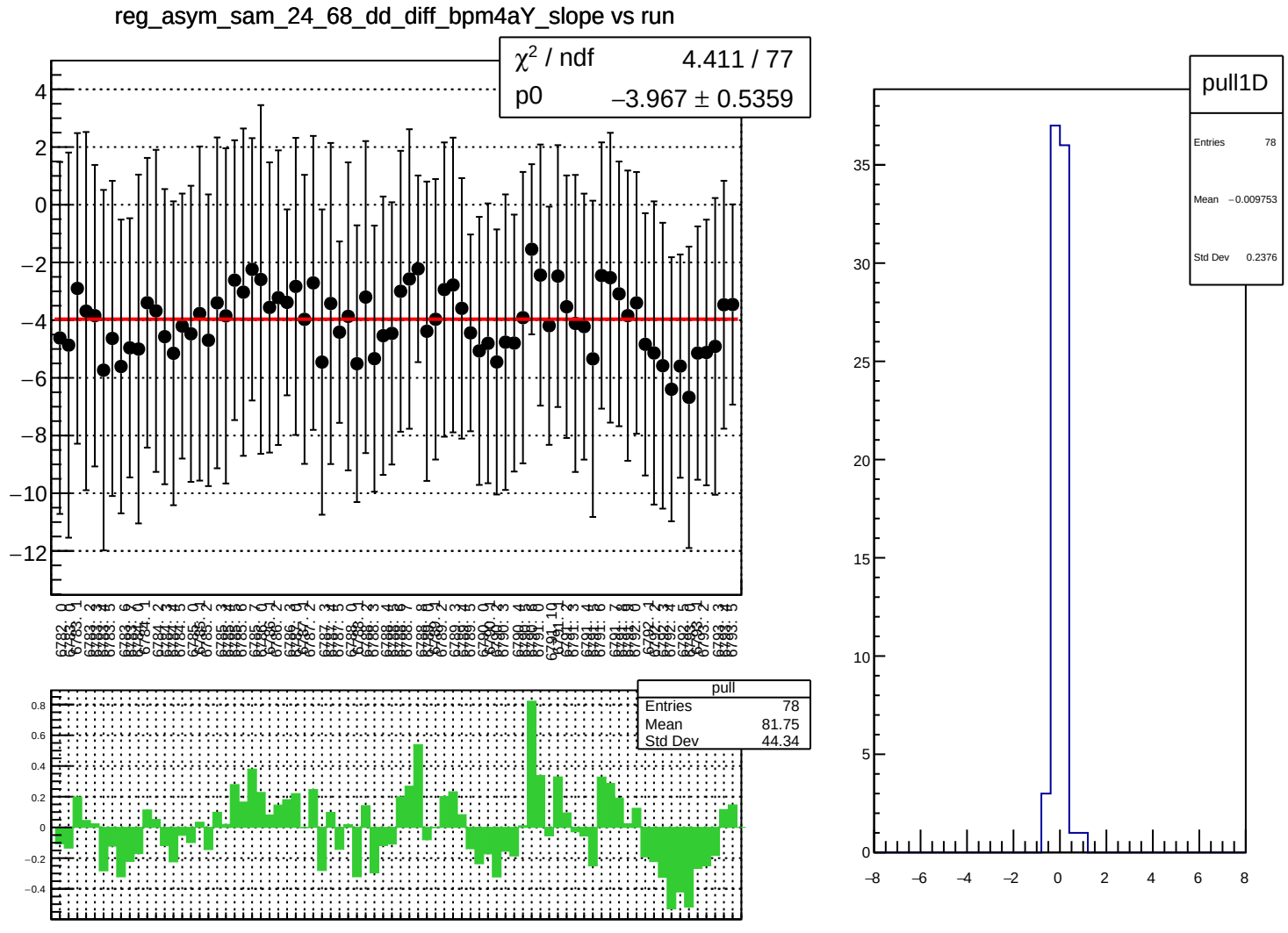

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.602 / 77
p0 19.43 ± 0.2945
pull
Entries 78
Mean −1046
Std Dev 1084

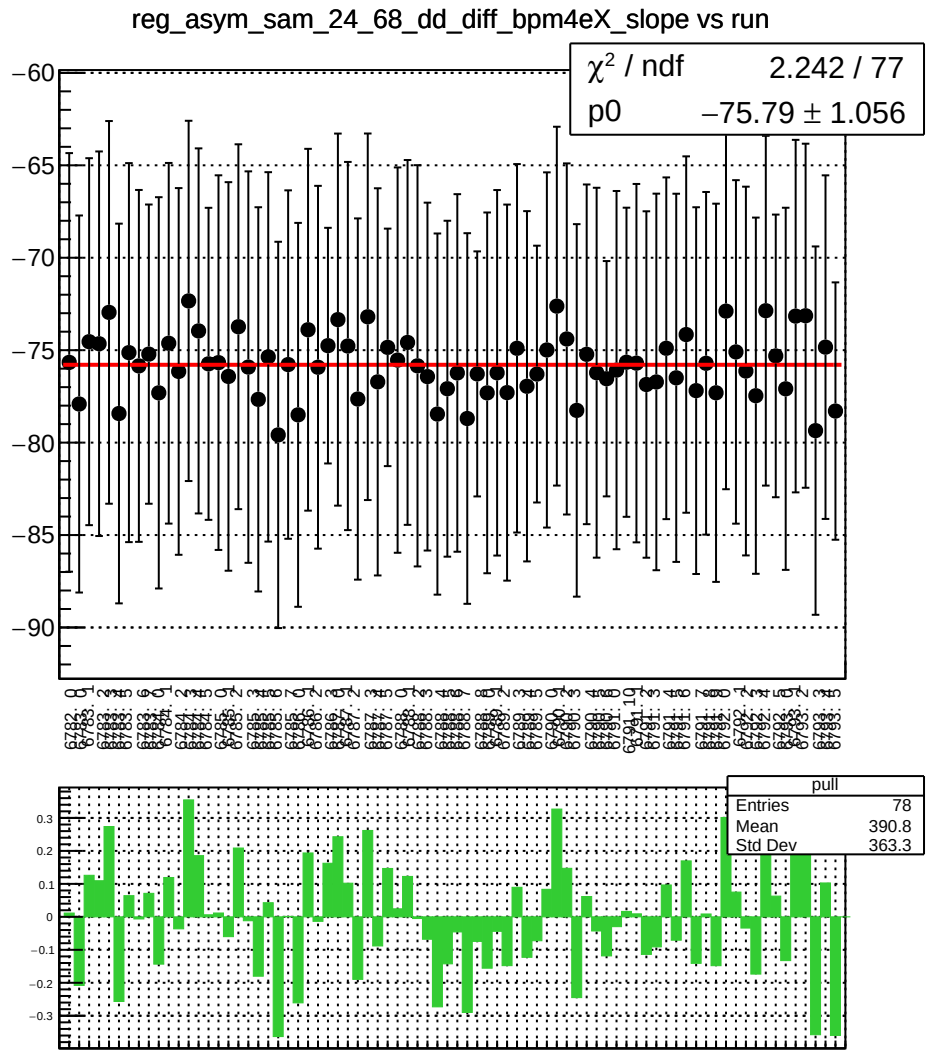

pull1D
Entries 78
Mean −0.003405
Std Dev 0.3122

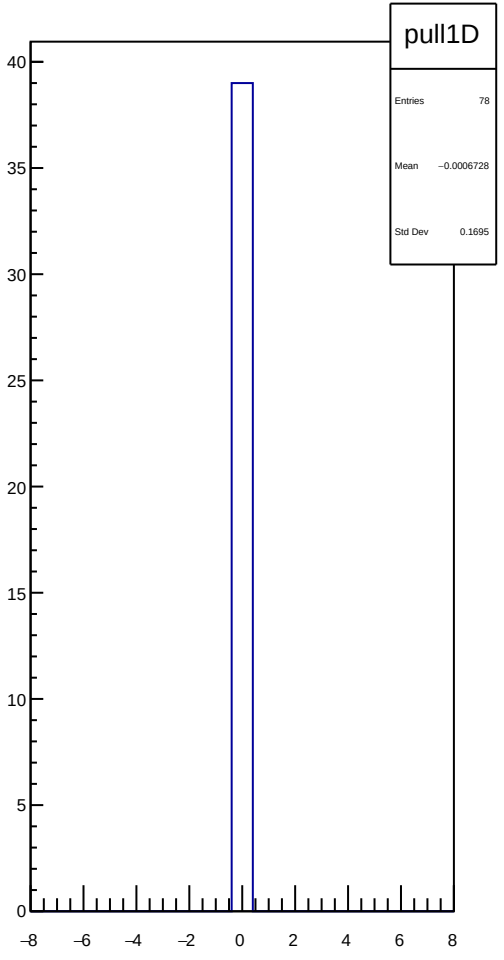

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.603 / 77
p0 −0.1168 ± 0.01976
pull
Entries 78
Mean −827.4
Std Dev 864.7
pull1D
Entries 78
Mean 0.001852
Std Dev 0.1827

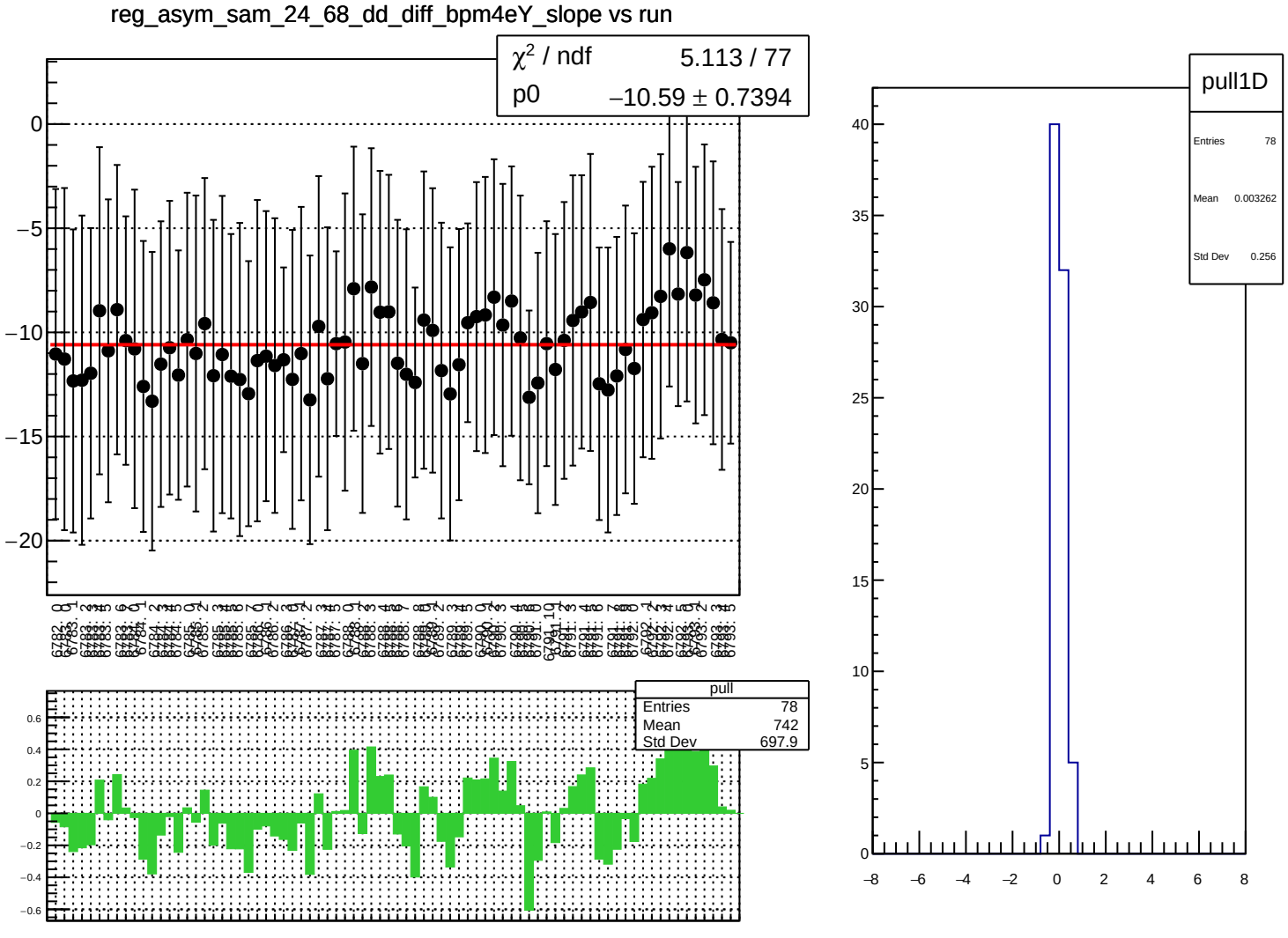

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.845 / 77
p0 −30.46 ± 1.131
pull
Entries 78
Mean −1122
Std Dev 1224

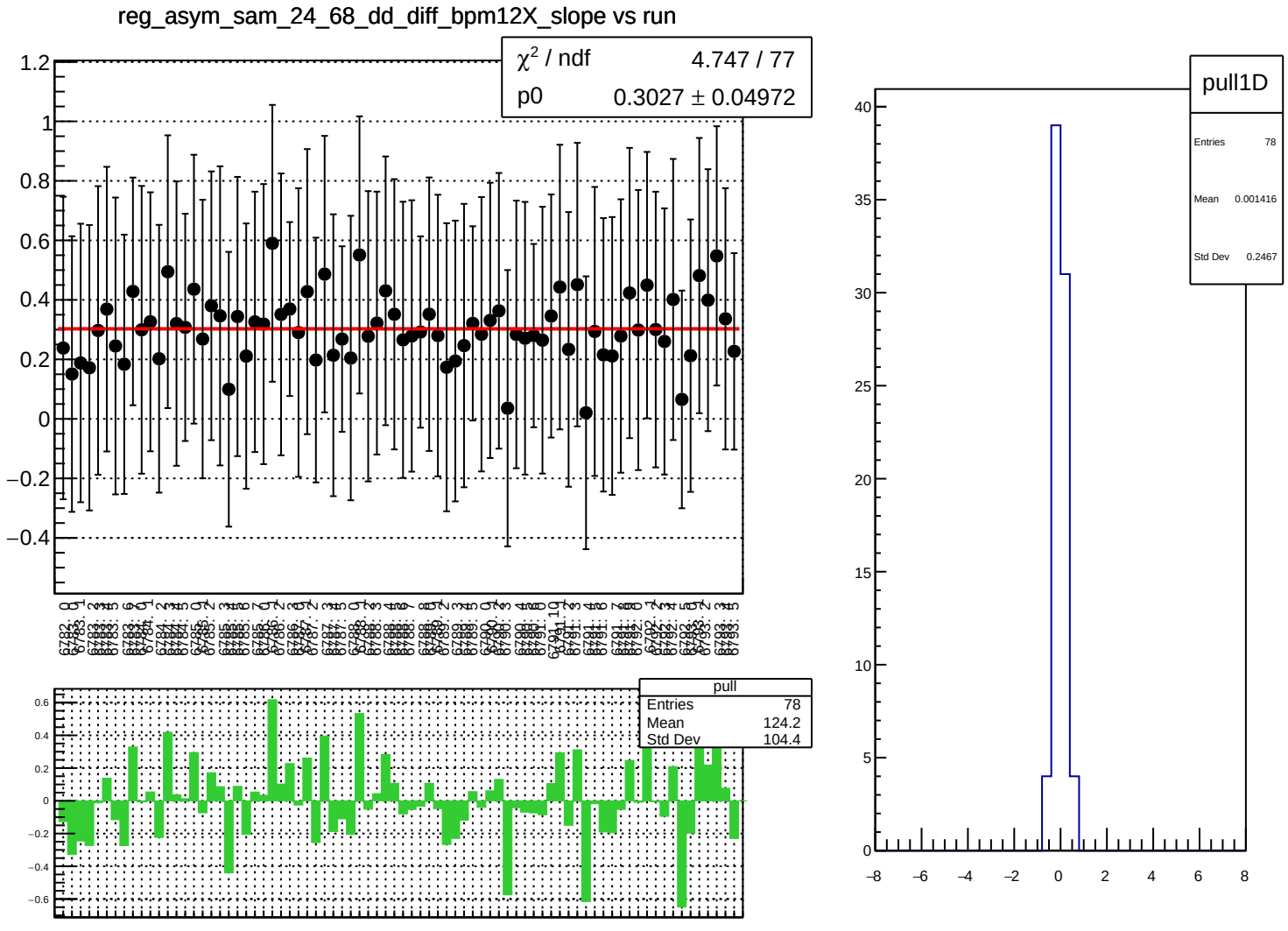

pull1D
Entries 78
Mean 3.29e−05
Std Dev 0.1538

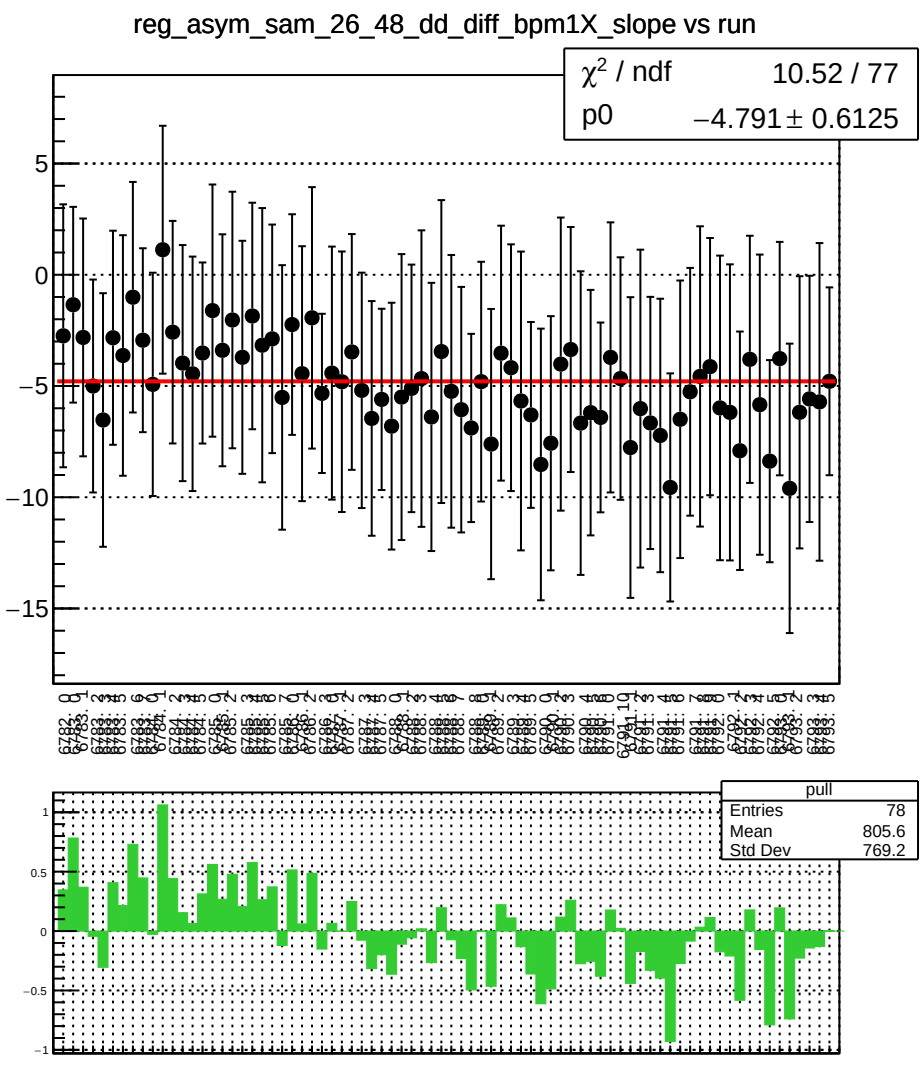

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.411 / 77
p0 −3.967 ± 0.5359
pull
Entries 78
Mean 81.75
Std Dev 44.34
pull1D
Entries 78
Mean −0.009753
Std Dev 0.2376

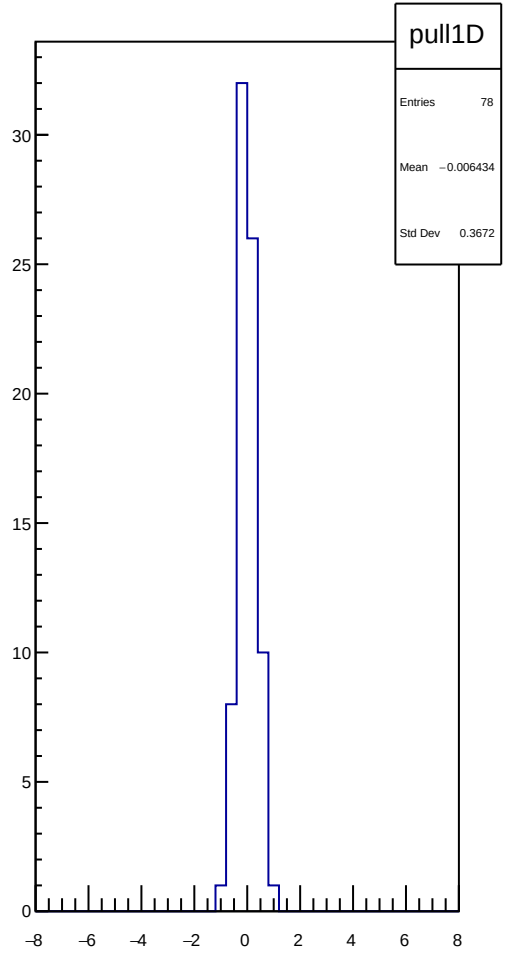

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.242 / 77
p0 −75.79 ± 1.056
pull
Entries 78
Mean 390.8
Std Dev 363.3

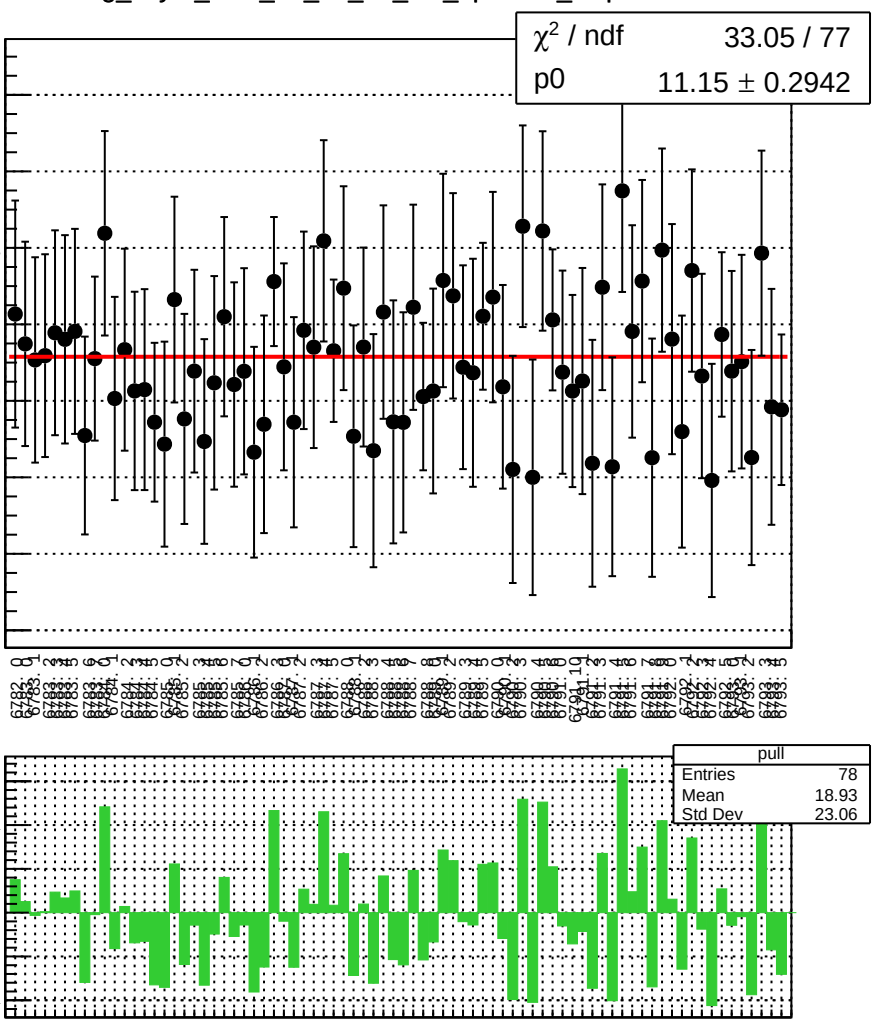

pull1D
Entries 78
Mean −0.0006728
Std Dev 0.1695

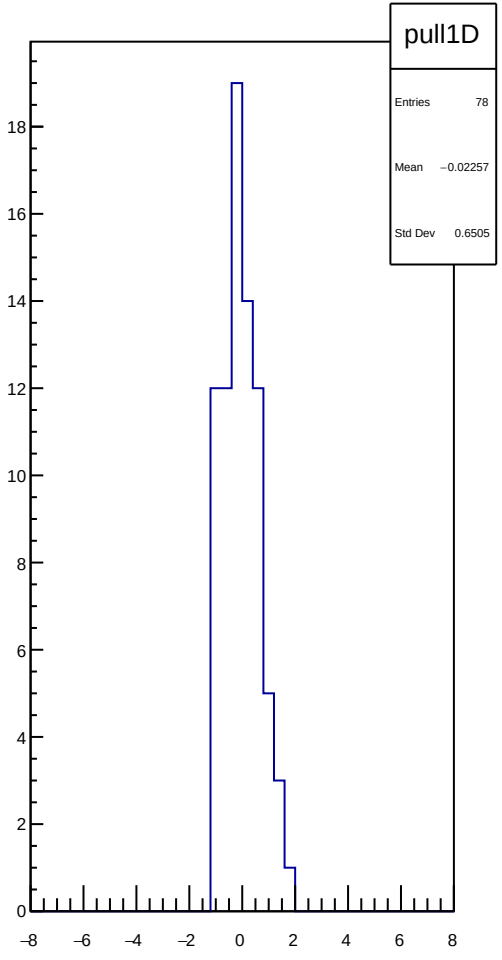

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.113 / 77
p0 −10.59 ± 0.7394
pull
Entries 78
Mean 742
Std Dev 697.9
pull1D
Entries 78
Mean 0.003262
Std Dev 0.256

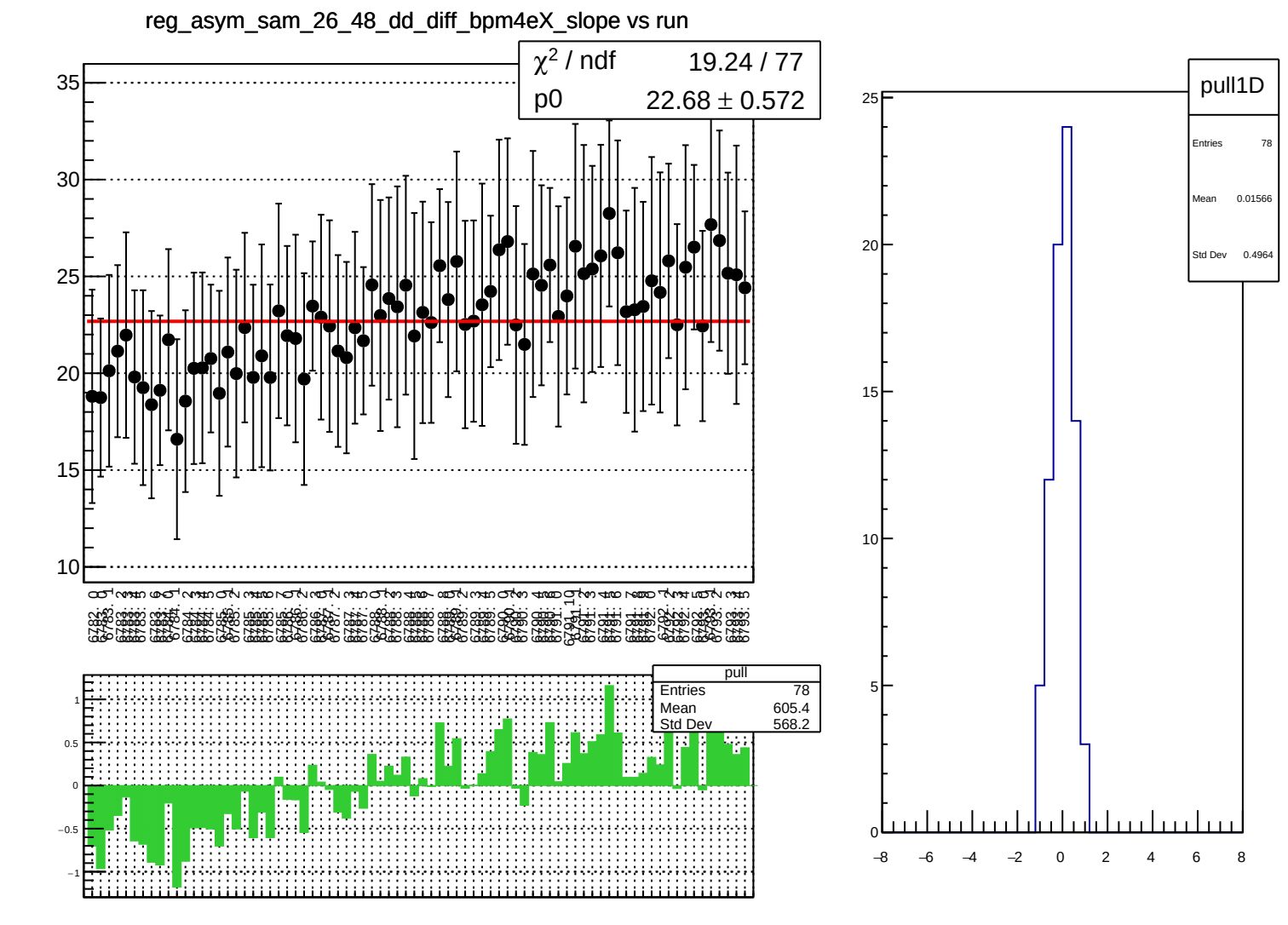

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.747 / 77
p0 0.3027 ± 0.04972
pull
Entries 78
Mean 124.2
Std Dev 104.4
pull1D
Entries 78
Mean 0.001416
Std Dev 0.2467

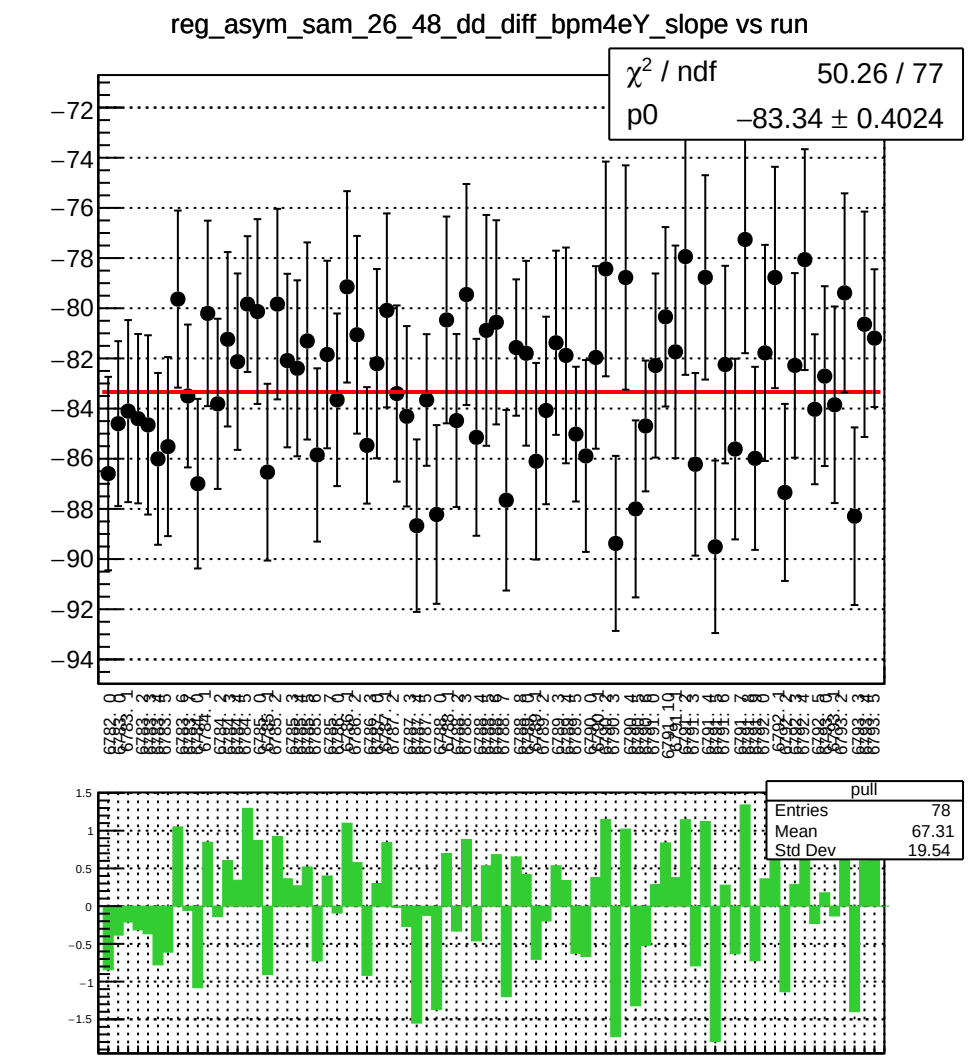

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 10.52 / 77
p0 −4.791 ± 0.6125
pull
Entries 78
Mean 805.6
Std Dev 769.2

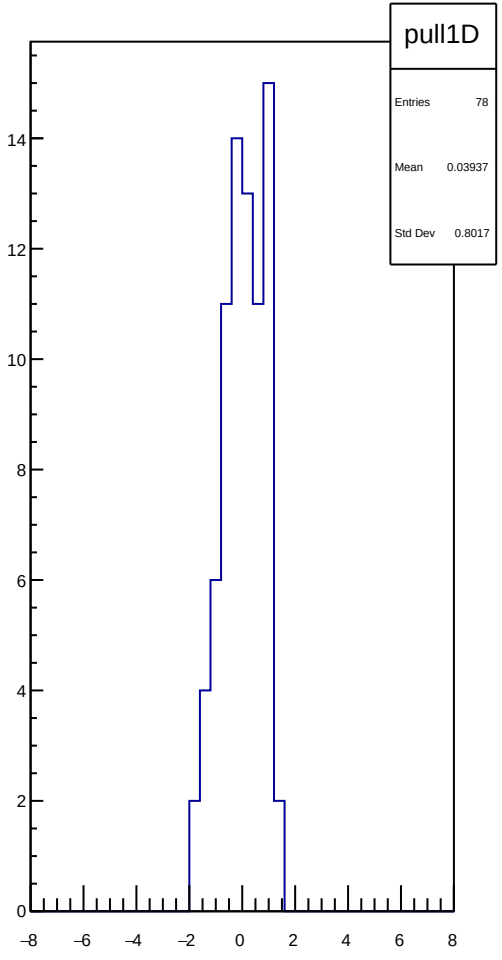

pull1D
Entries 78
Mean −0.006434
Std Dev 0.3672

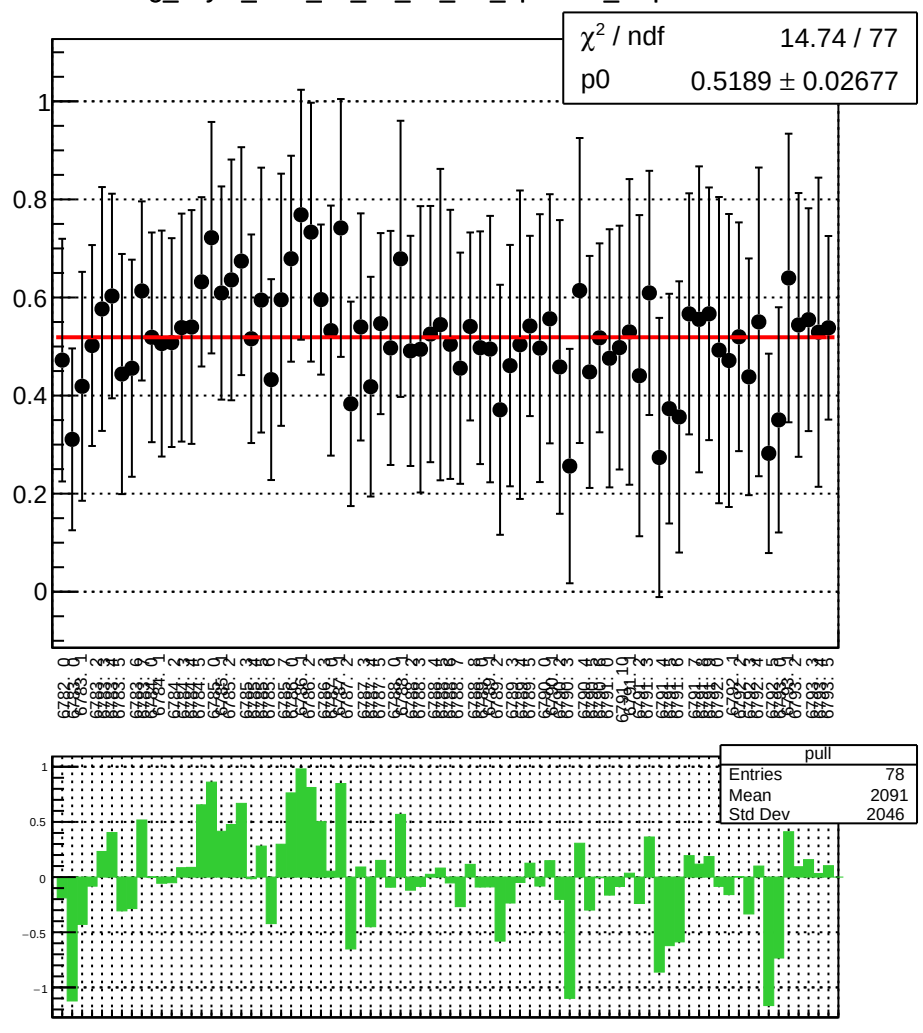

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.05 / 77
p0 11.15 ± 0.2942
pull
Entries 78
Mean 18.93
Std Dev 23.06

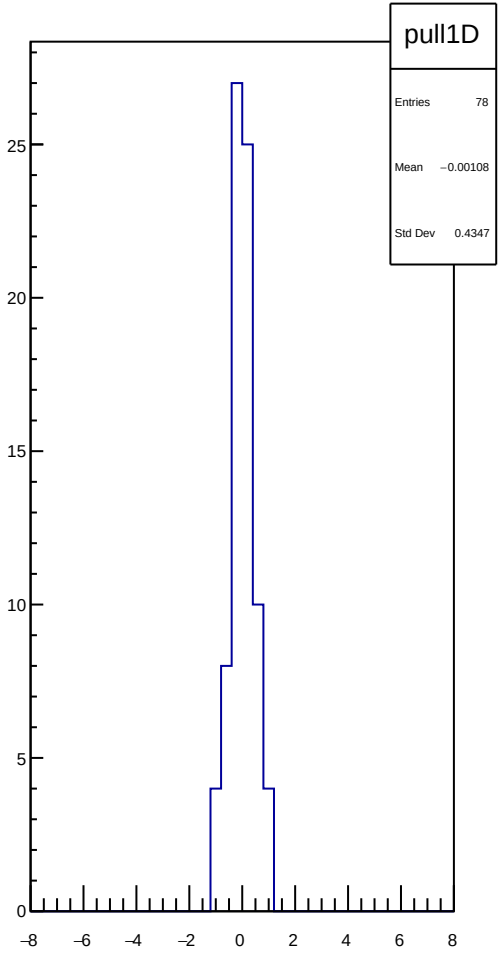

pull1D
Entries 78
Mean −0.02257
Std Dev 0.6505

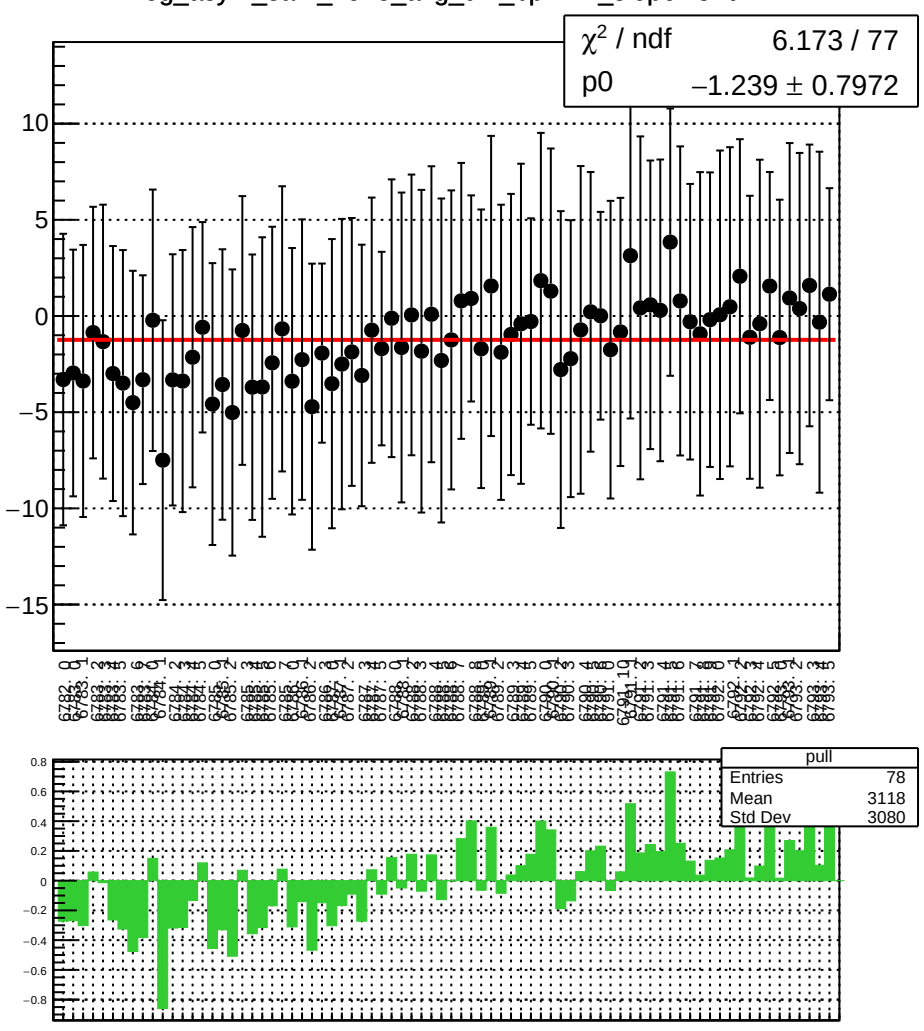

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.24 / 77
p0 22.68 ± 0.572
pull
Entries 78
Mean 605.4
Std Dev 568.2
pull1D
Entries 78
Mean 0.01566
Std Dev 0.4964

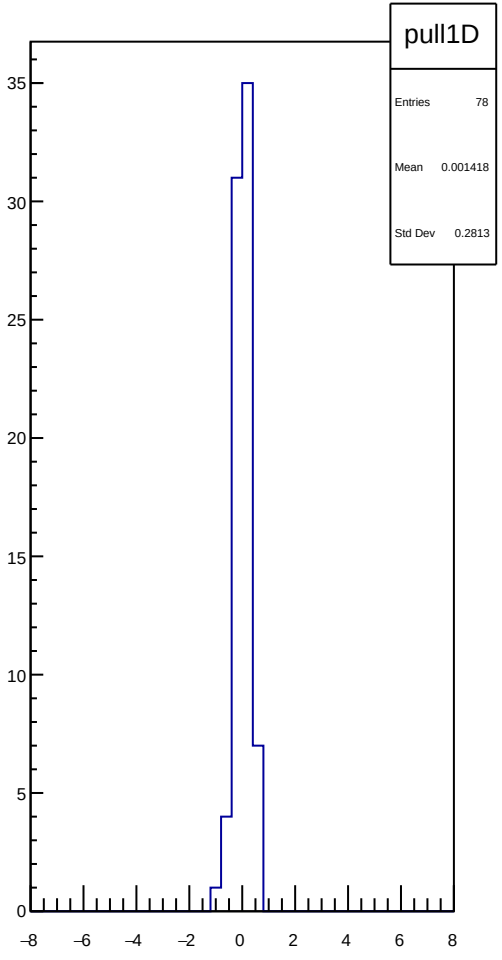

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.26 / 77
p0 −83.34 ± 0.4024
pull
Entries 78
Mean 67.31
Std Dev 19.54

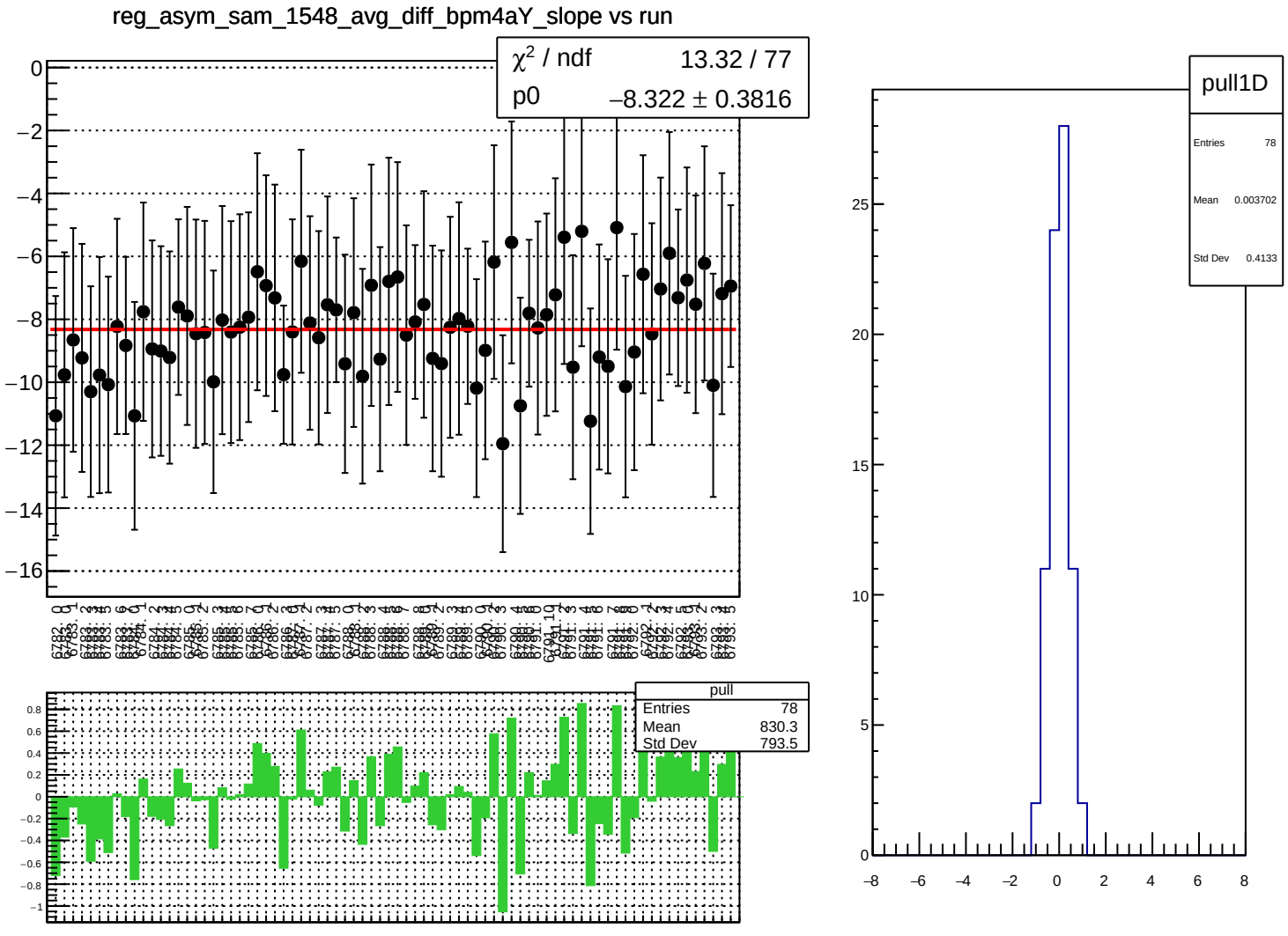

pull1D
Entries 78
Mean 0.03937
Std Dev 0.8017

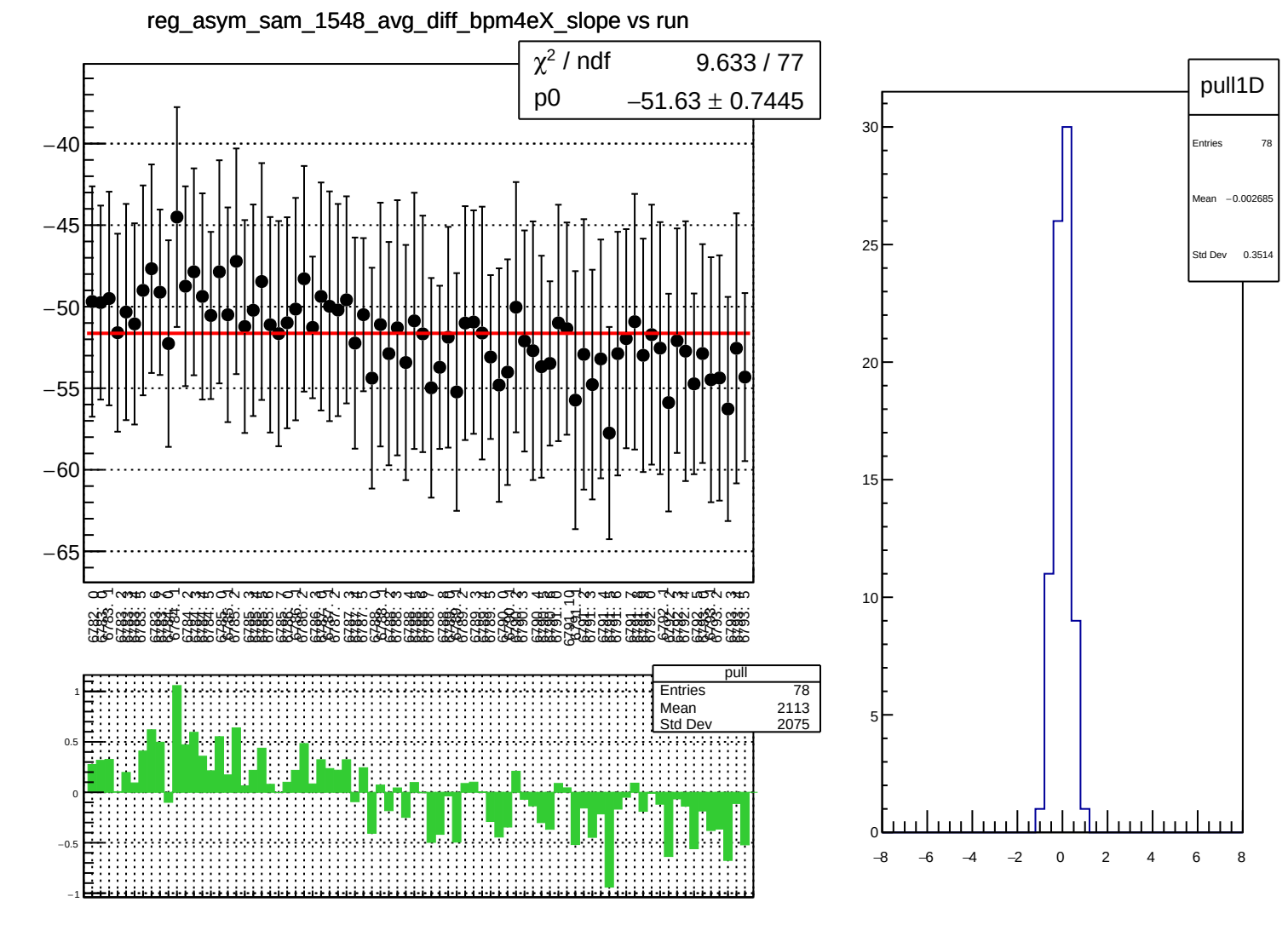

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 14.74 / 77
p0 0.5189 ± 0.02677
pull
Entries 78
Mean 2091
Std Dev 2046

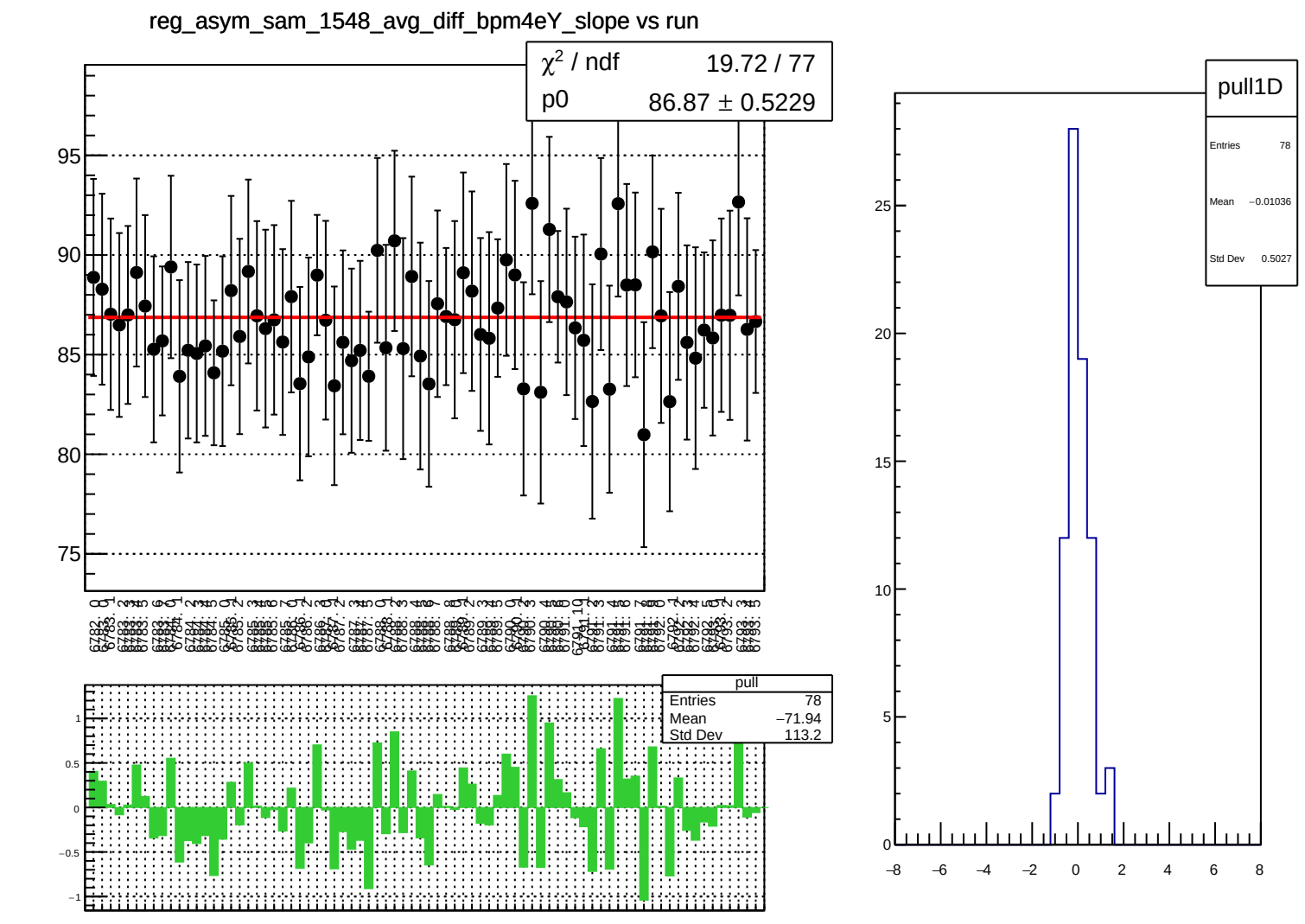

pull1D
Entries 78
Mean −0.00108
Std Dev 0.4347

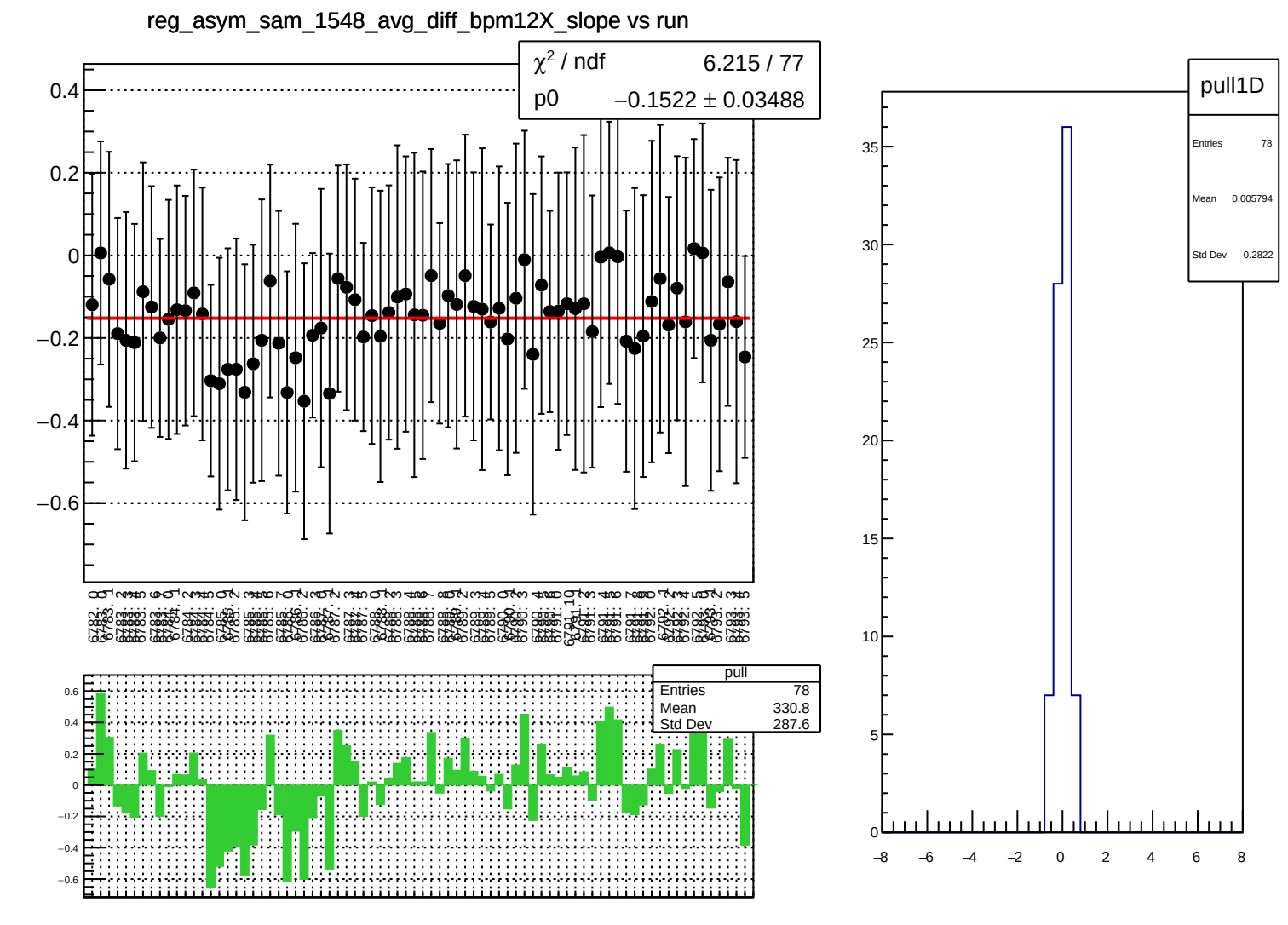

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 6.173 / 77
p0 −1.239 ± 0.7972
pull
Entries 78
Mean 3118
Std Dev 3080

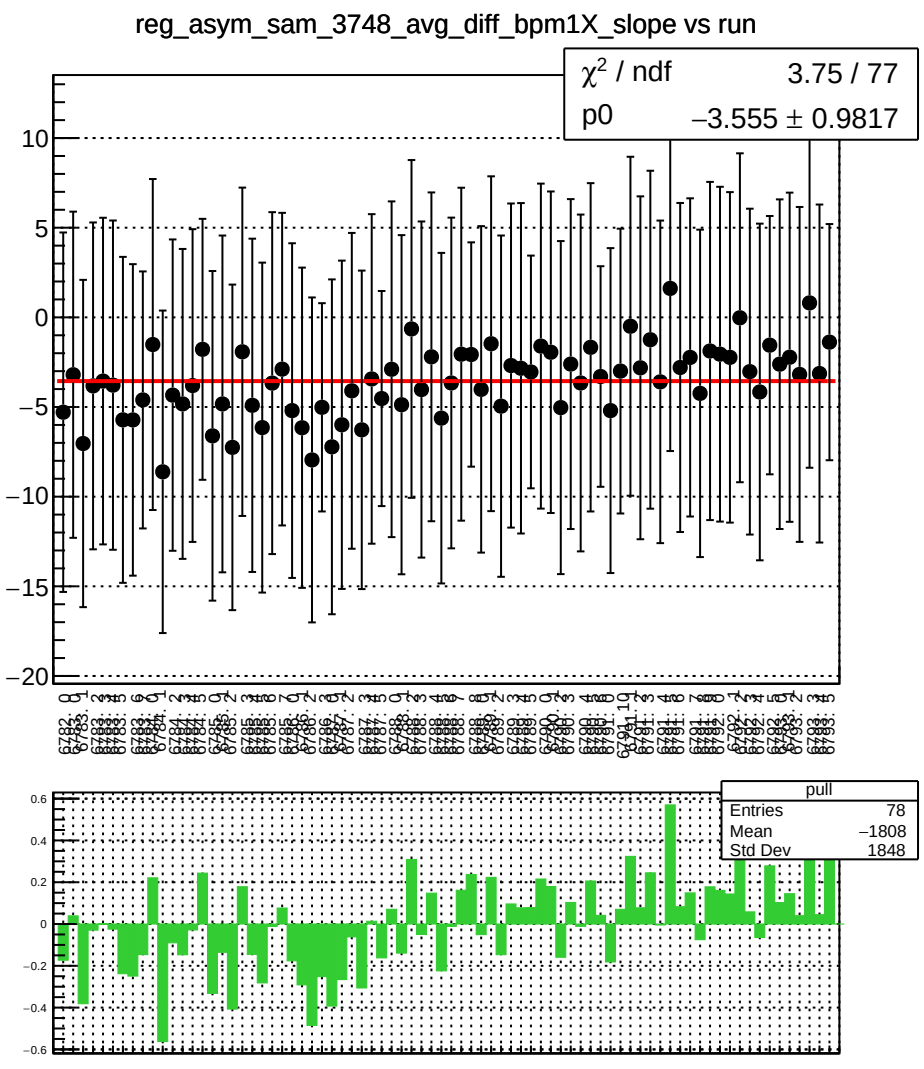

pull1D
Entries 78
Mean 0.001418
Std Dev 0.2813

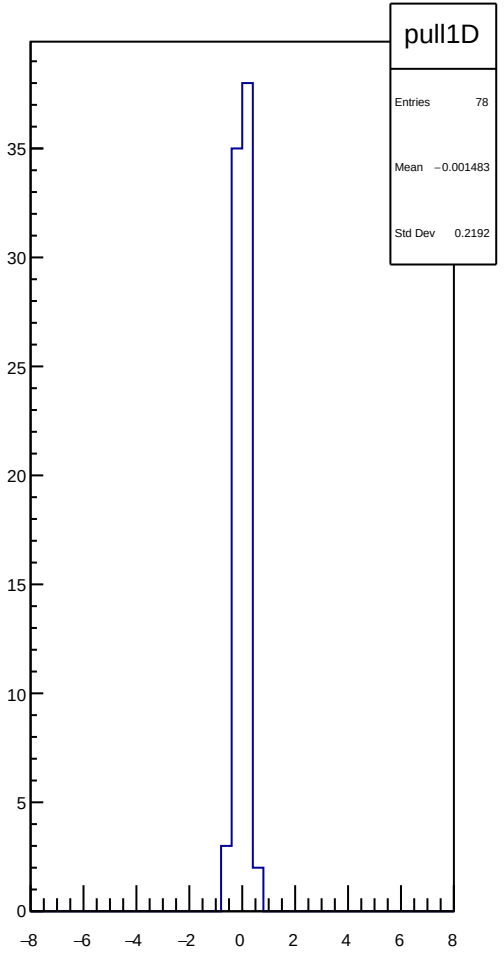

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.32 / 77
p0 −8.322 ± 0.3816
pull
Entries 78
Mean 830.3
Std Dev 793.5
pull1D
Entries 78
Mean 0.003702
Std Dev 0.4133

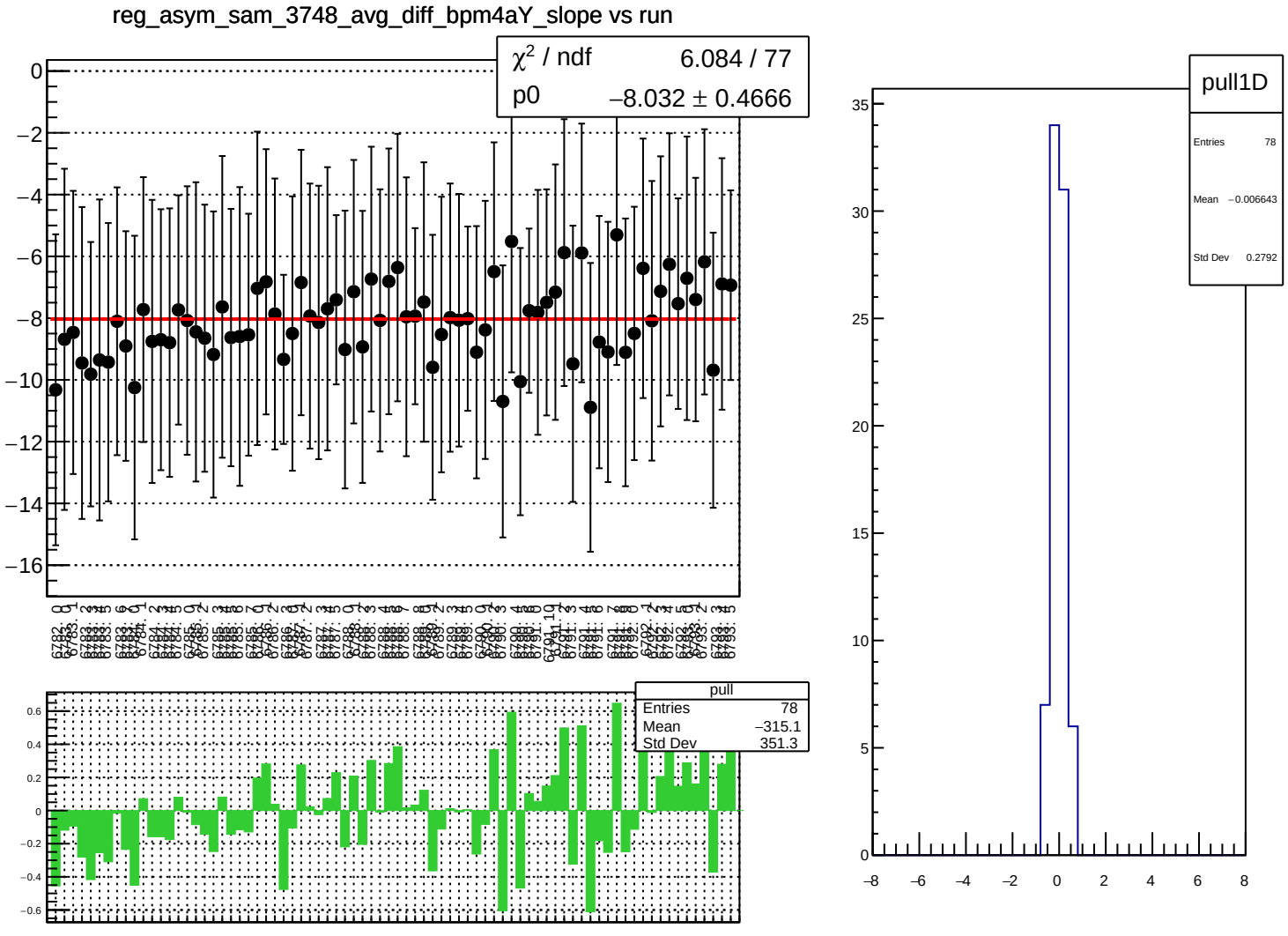

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.633 / 77
p0 −51.63 ± 0.7445
pull
Entries 78
Mean 2113
Std Dev 2075
pull1D
Entries 78
Mean −0.002685
Std Dev 0.3514

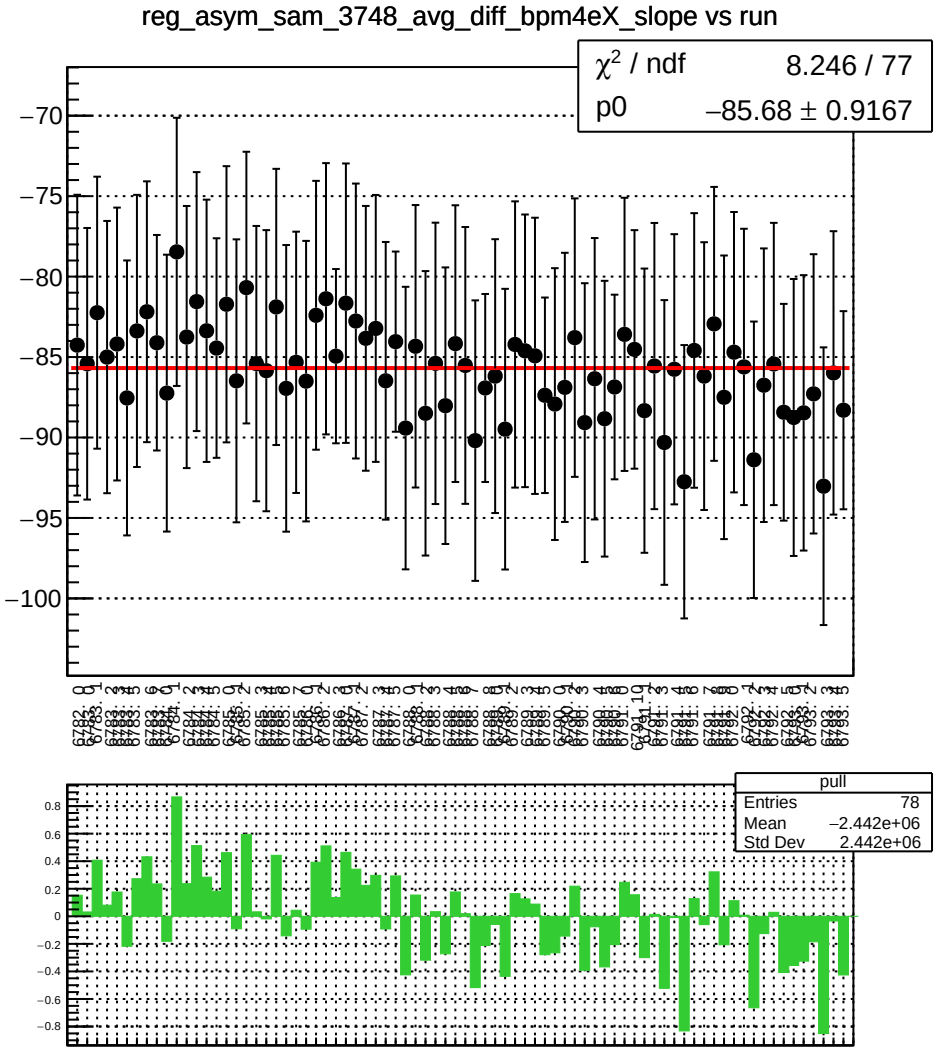

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.72 / 77
p0 86.87 ± 0.5229
95
90
85
80
75
pull
Entries 78
Mean −71.94
Std Dev 113.2
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean −0.01036
Std Dev 0.5027
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

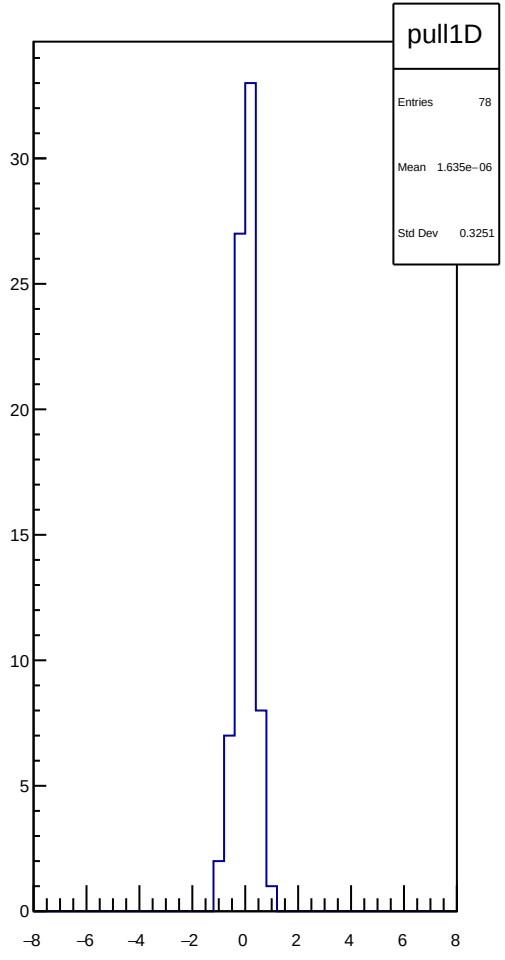

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.215 / 77
p0 −0.1522 ± 0.03488
pull
Entries 78
Mean 330.8
Std Dev 287.6
pull1D
Entries 78
Mean 0.005794
Std Dev 0.2822

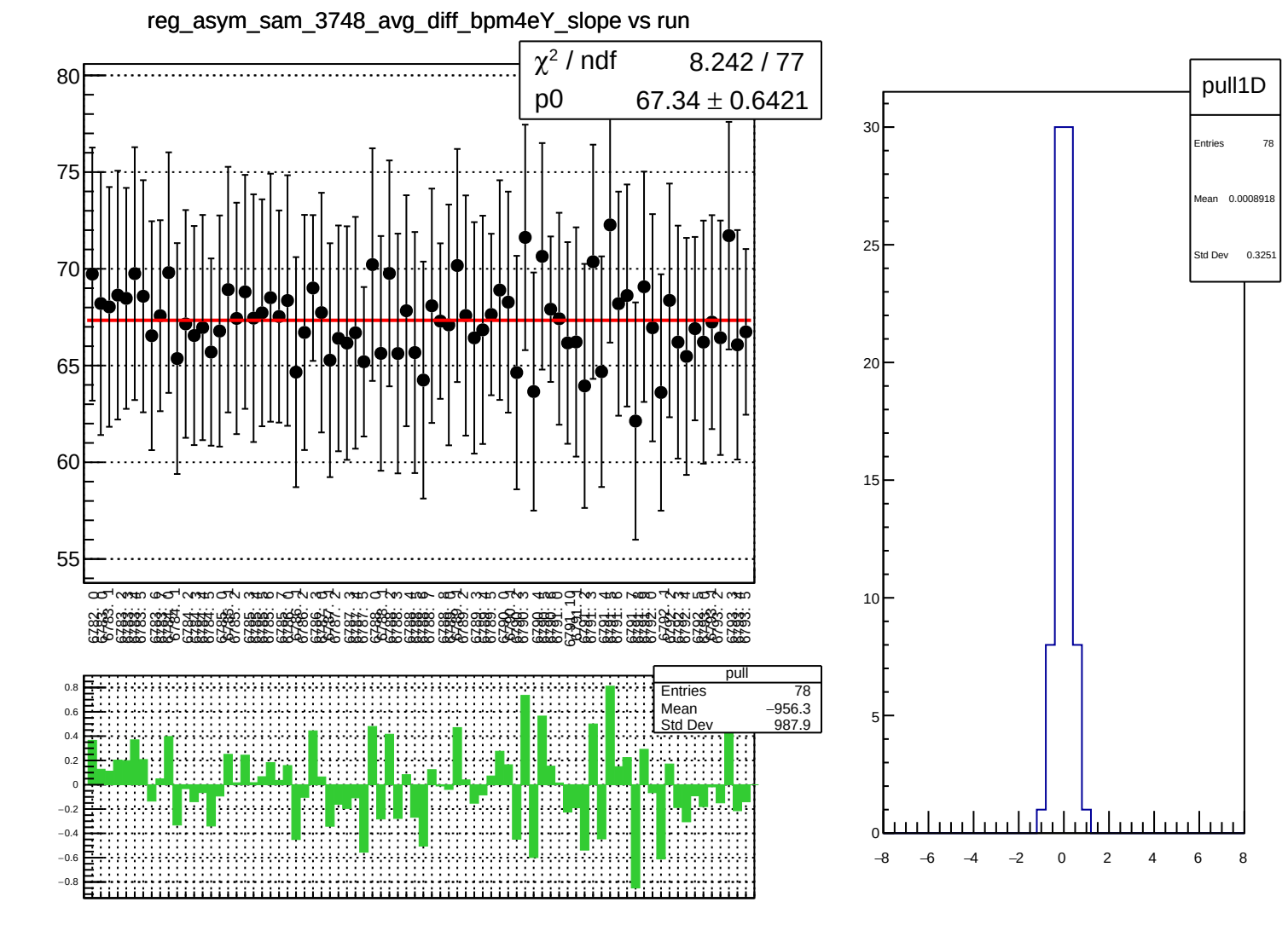

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 3.75 / 77
p0 −3.555 ± 0.9817
pull
Entries 78
Mean −1808
Std Dev 1848

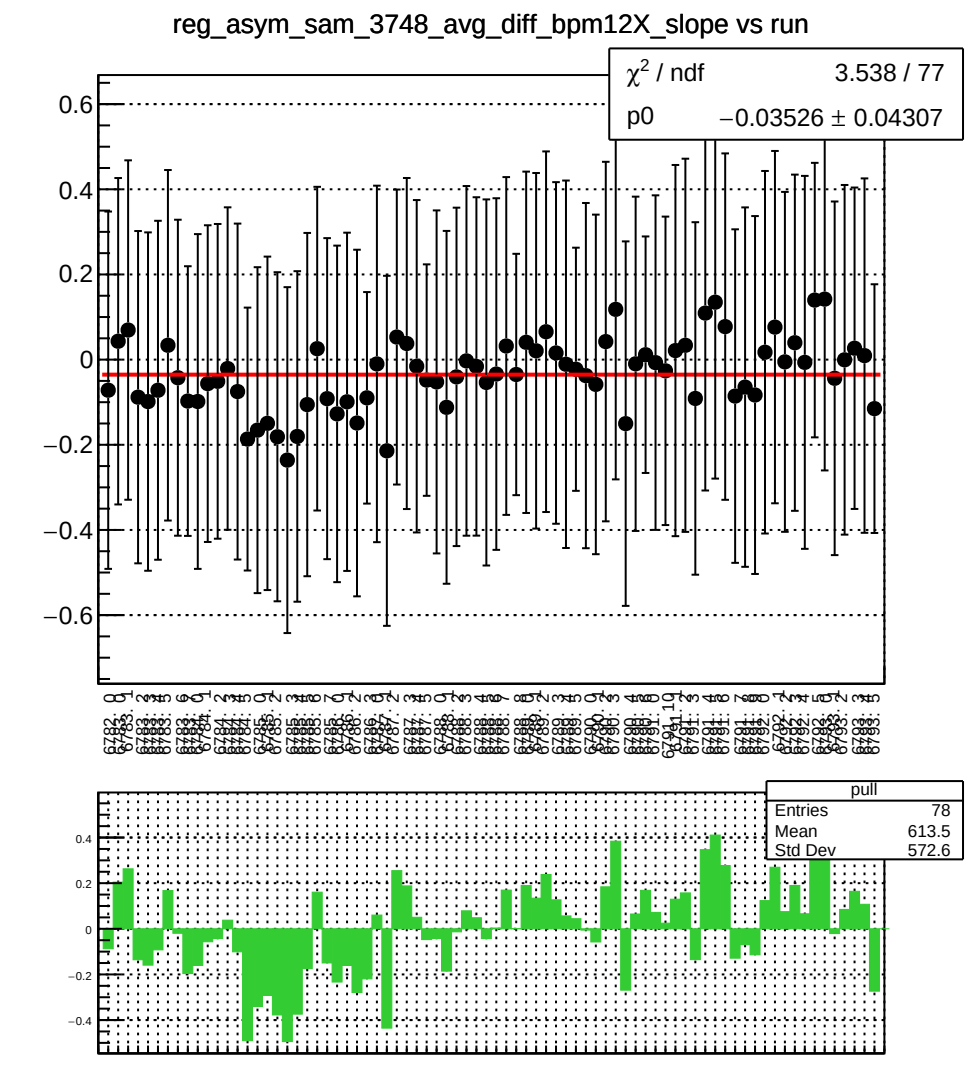

pull1D
Entries 78
Mean −0.001483
Std Dev 0.2192

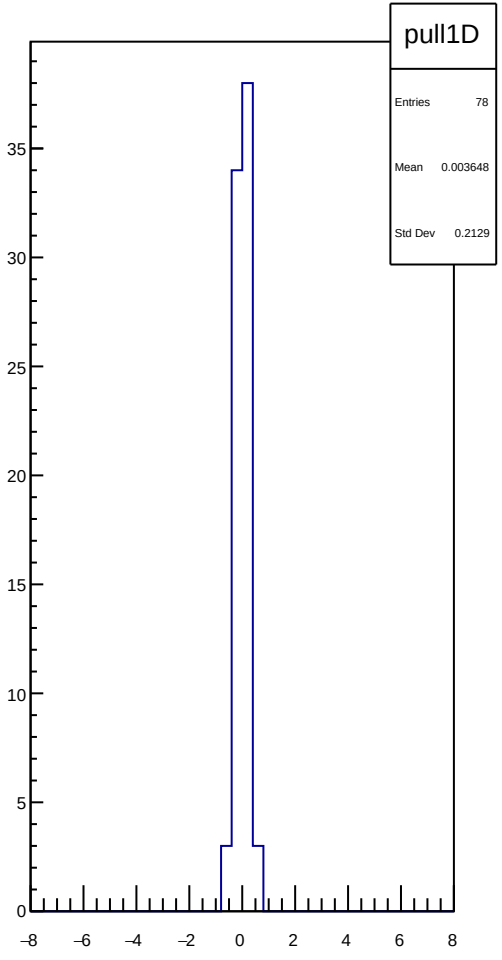

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.084 / 77
p0 −8.032 ± 0.4666
pull
Entries 78
Mean −315.1
Std Dev 351.3
pull1D
Entries 78
Mean −0.006643
Std Dev 0.2792

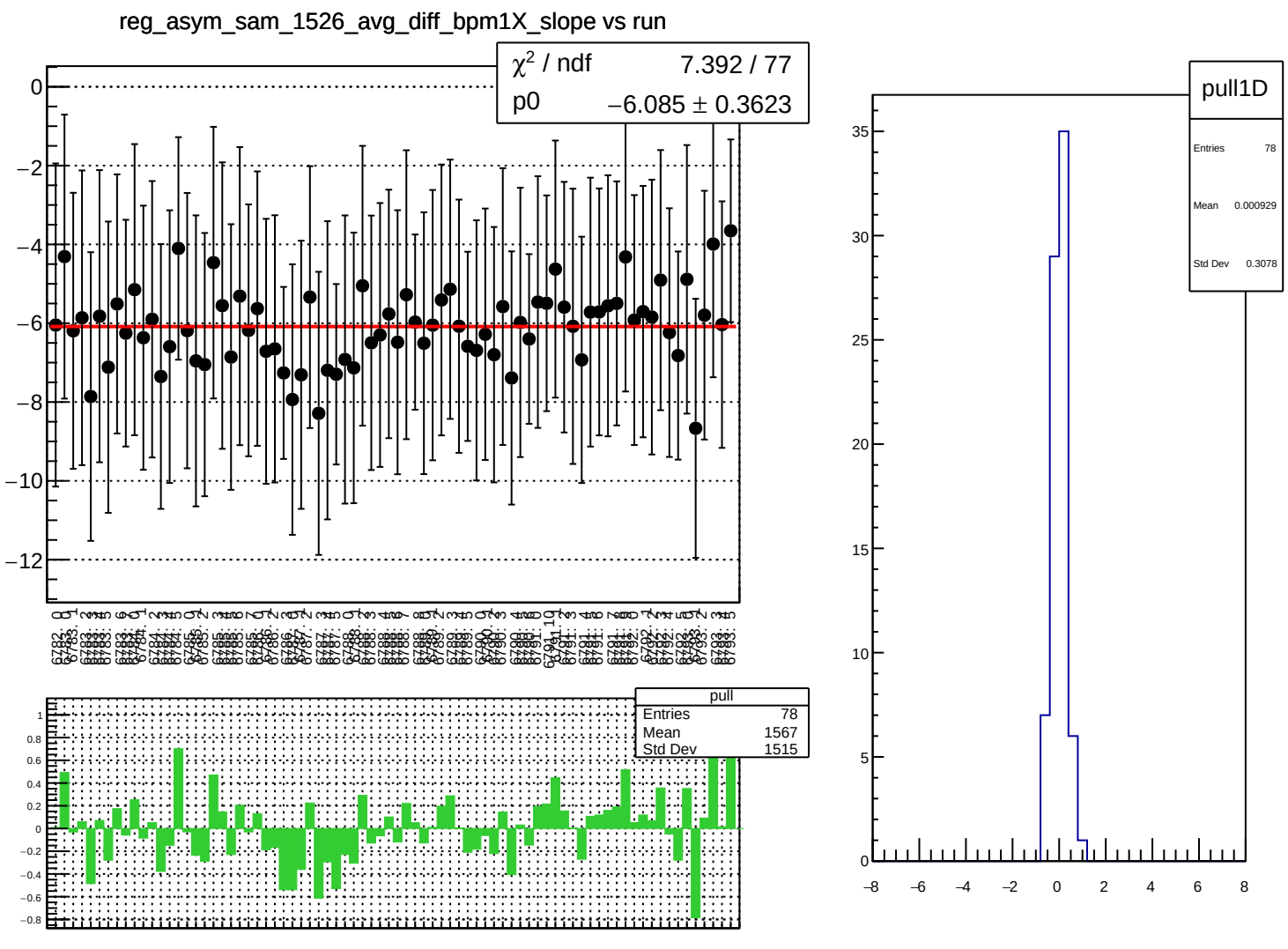

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.246 / 77
p0 −85.68 ± 0.9167
pull
Entries 78
Mean −2.442e+06
Std Dev 2.442e+06

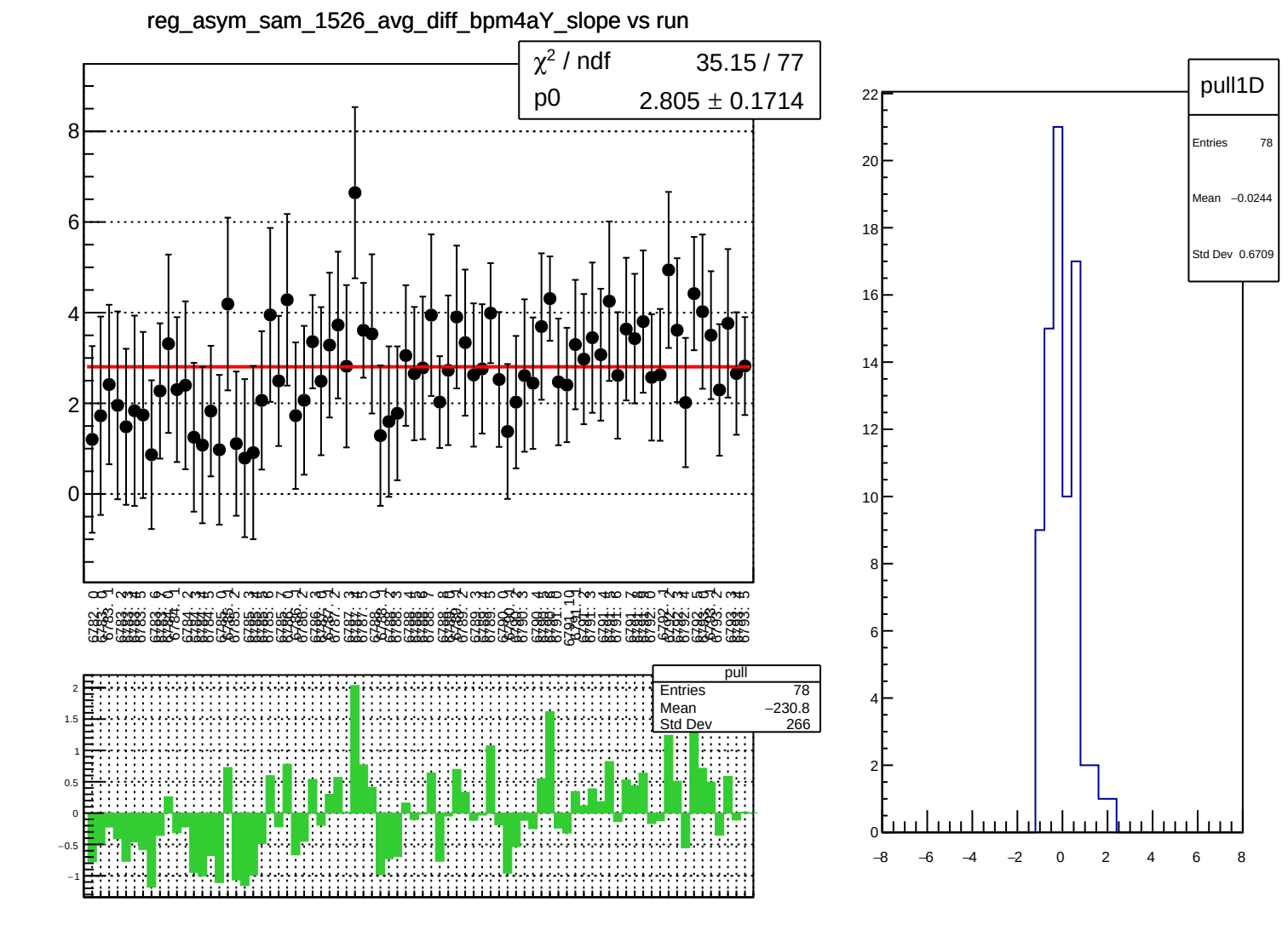

pull1D
Entries 78
Mean 1.635e−06
Std Dev 0.3251

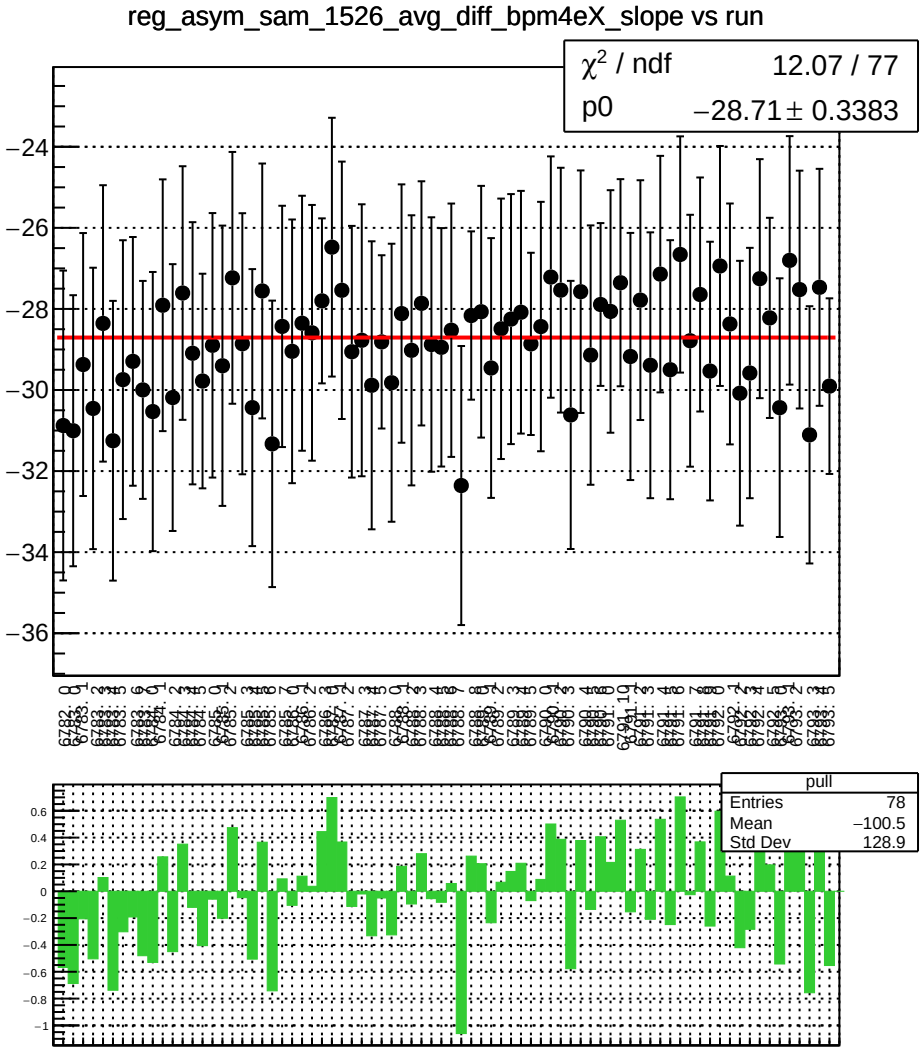

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.242 / 77
p0 67.34 ± 0.6421
pull
Entries 78
Mean −956.3
Std Dev 987.9
pull1D
Entries 78
Mean 0.0008918
Std Dev 0.3251

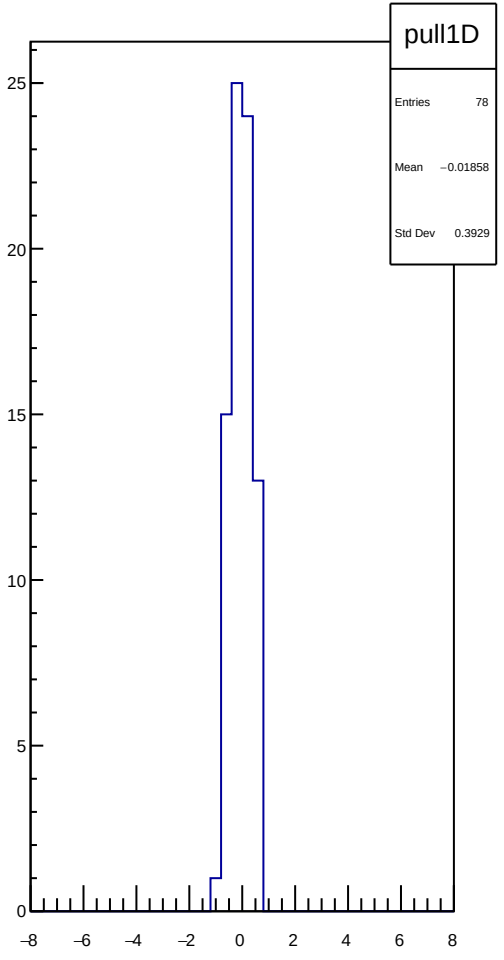

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.538 / 77
p0 −0.03526 ± 0.04307
pull
Entries 78
Mean 613.5
Std Dev 572.6

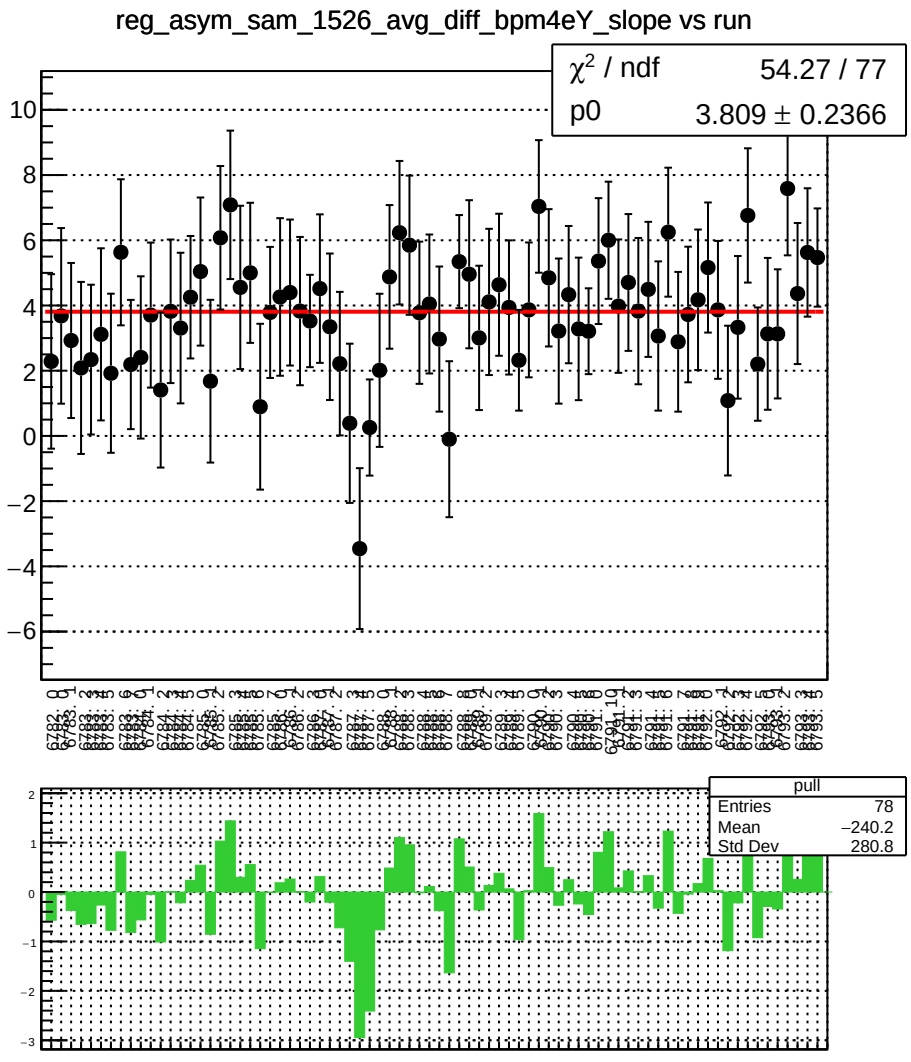

pull1D
Entries 78
Mean 0.003648
Std Dev 0.2129

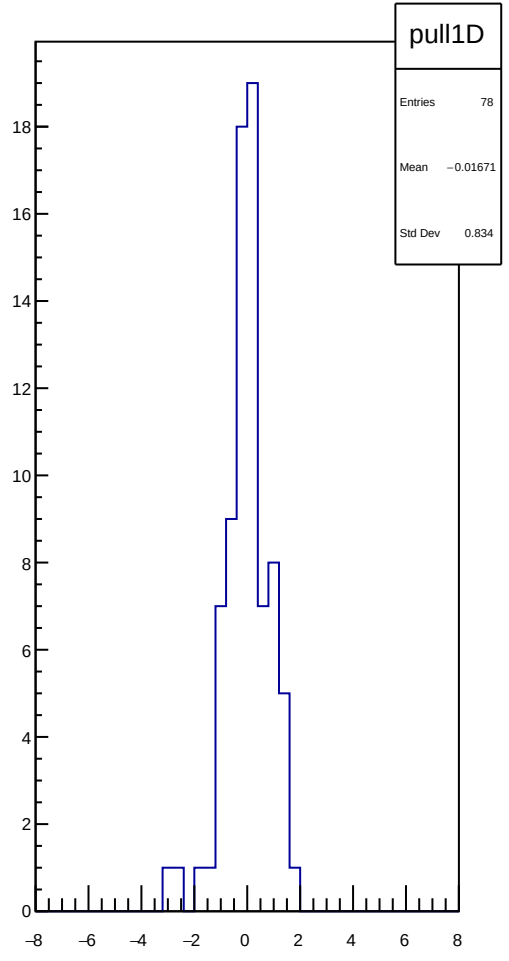

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.392 / 77
p0 −6.085 ± 0.3623
pull
Entries 78
Mean 1567
Std Dev 1515
pull1D
Entries 78
Mean 0.000929
Std Dev 0.3078

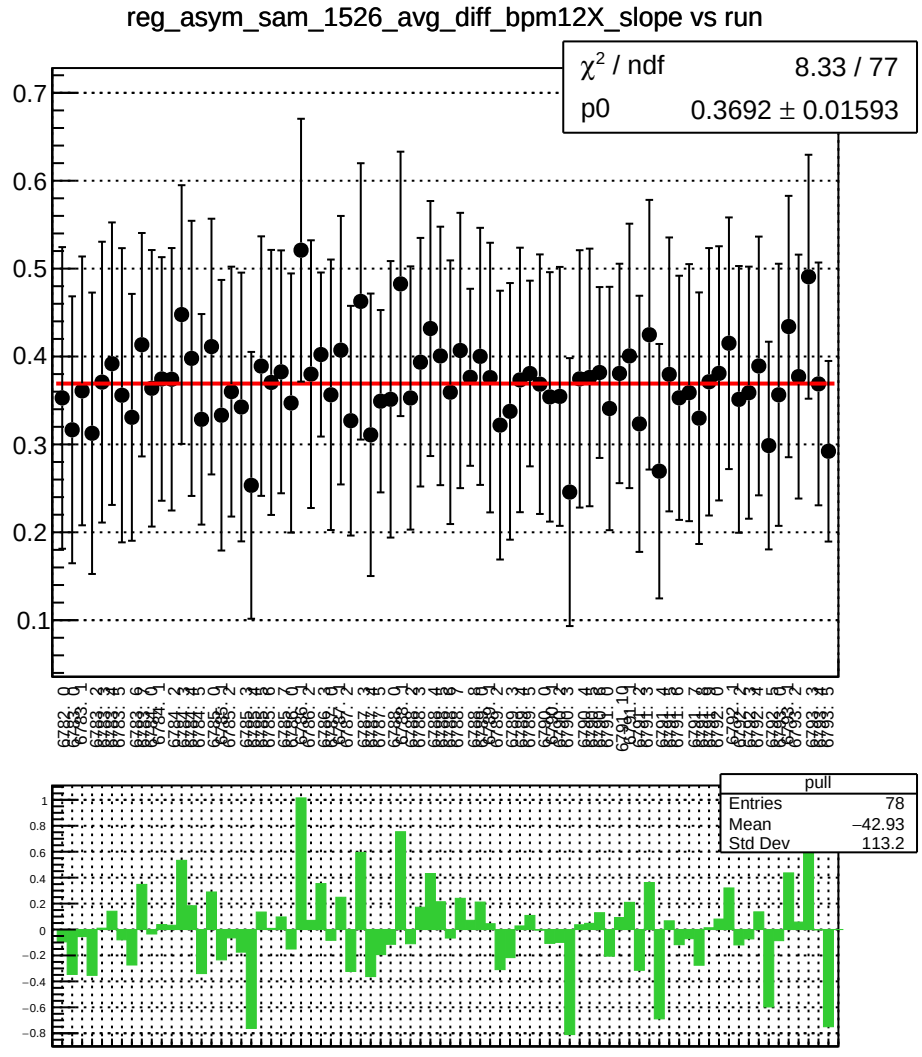

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.15 / 77
p0 2.805 ± 0.1714
pull
Entries 78
Mean −230.8
Std Dev 266
pull1D
Entries 78
Mean −0.0244
Std Dev 0.6709

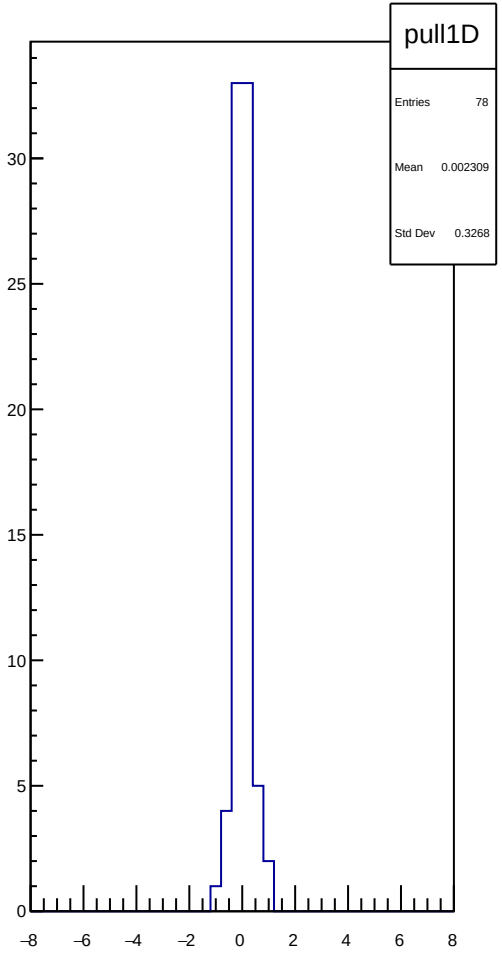

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.07 / 77
p0 −28.71 ± 0.3383
pull
Entries 78
Mean −100.5
Std Dev 128.9

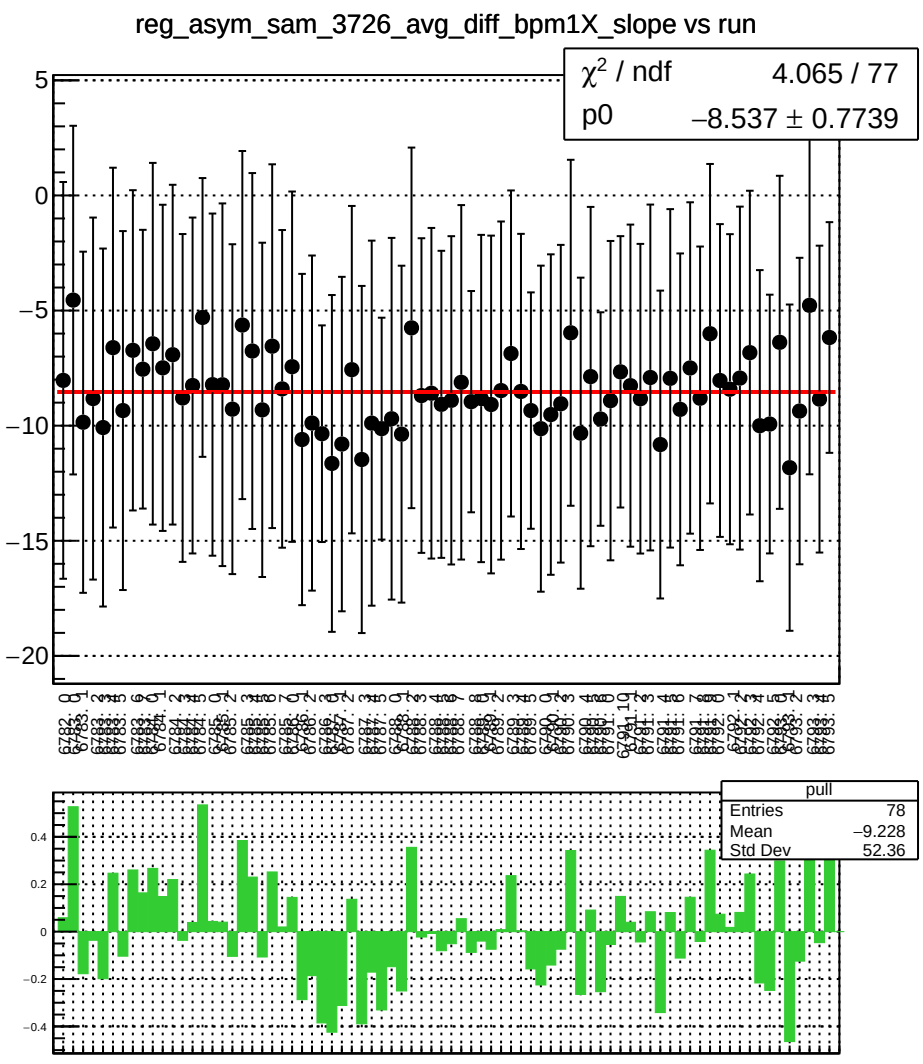

pull1D
Entries 78
Mean −0.01858
Std Dev 0.3929

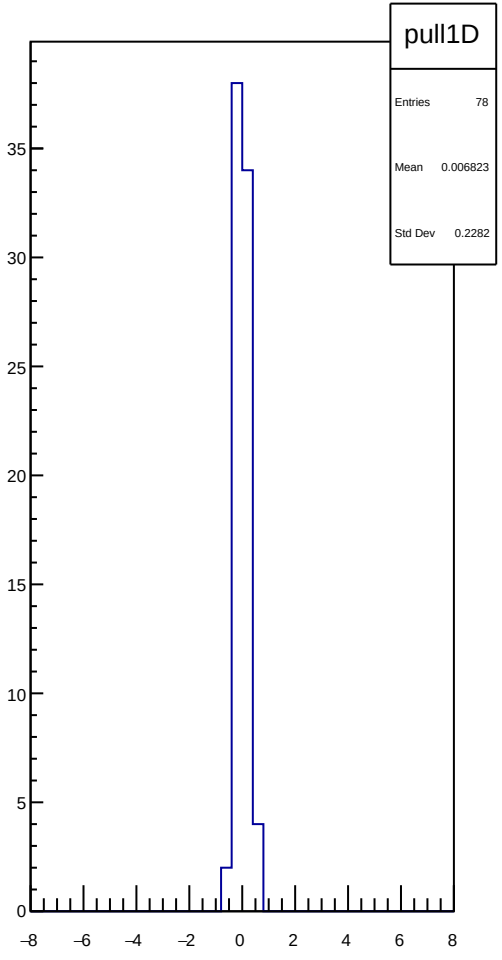

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.27 / 77
p0 3.809 ± 0.2366
pull
Entries 78
Mean −240.2
Std Dev 280.8

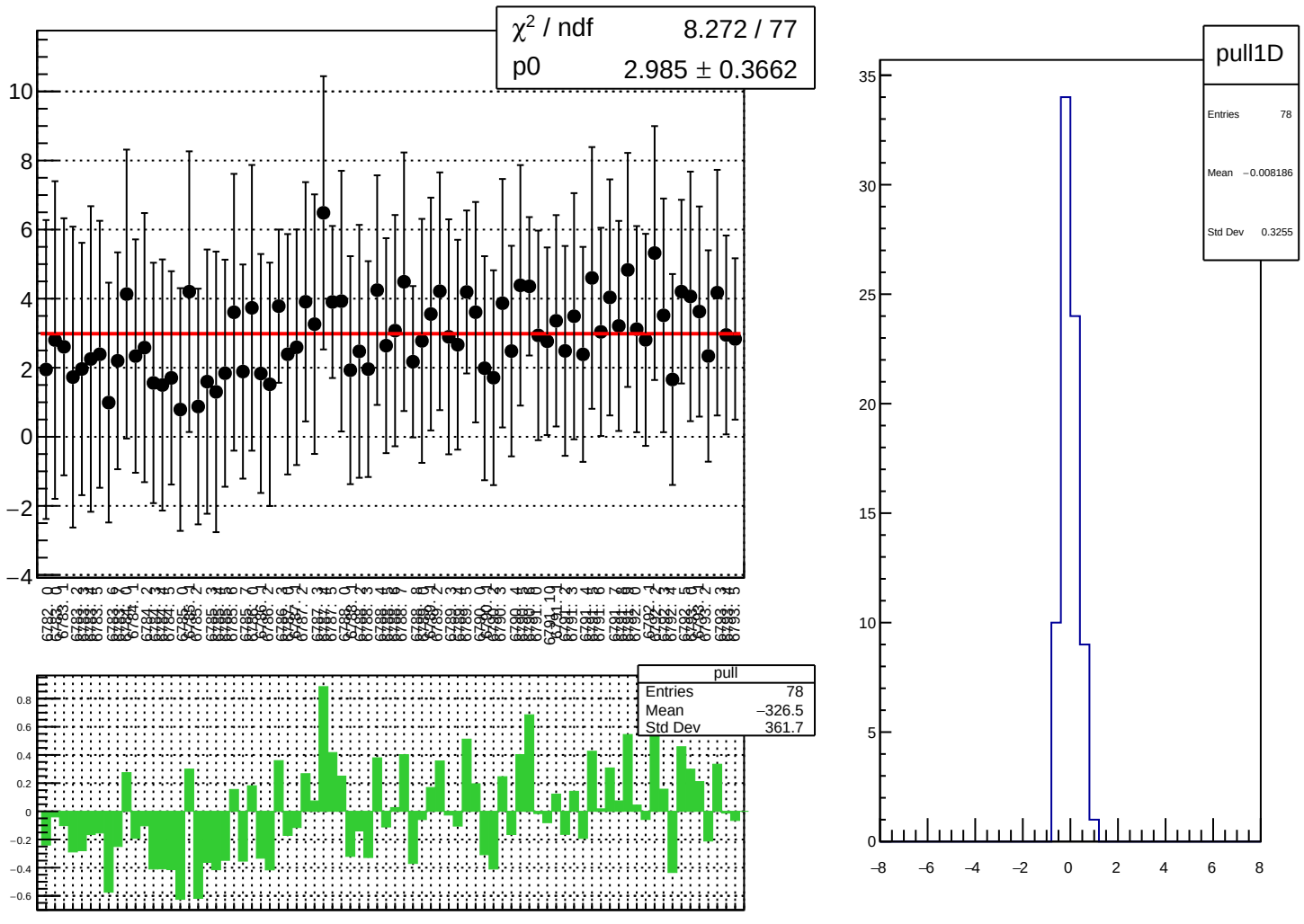

pull1D
Entries 78
Mean −0.01671
Std Dev 0.834

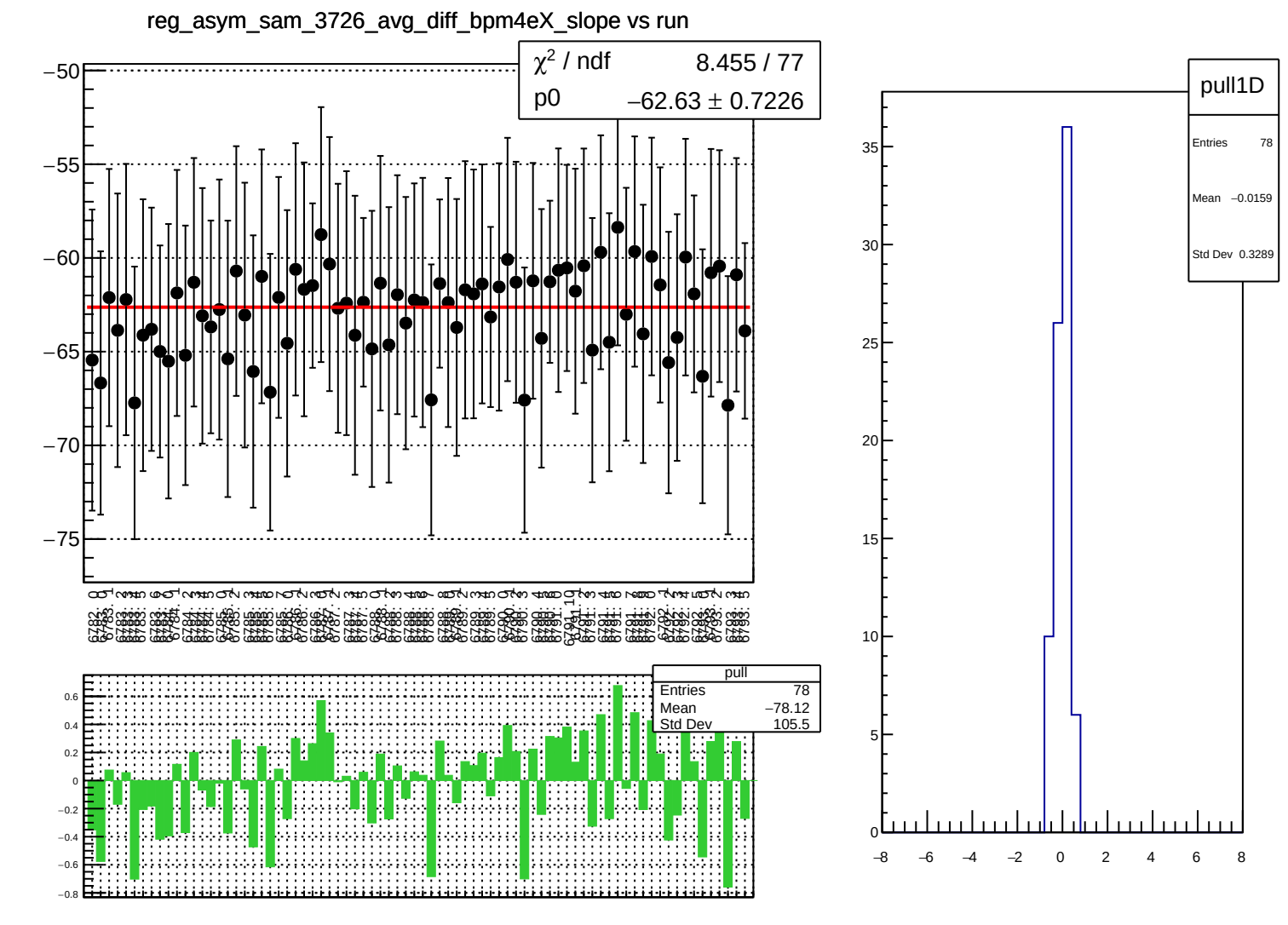

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.33 / 77
p0 0.3692 ± 0.01593
pull
Entries 78
Mean −42.93
Std Dev 113.2

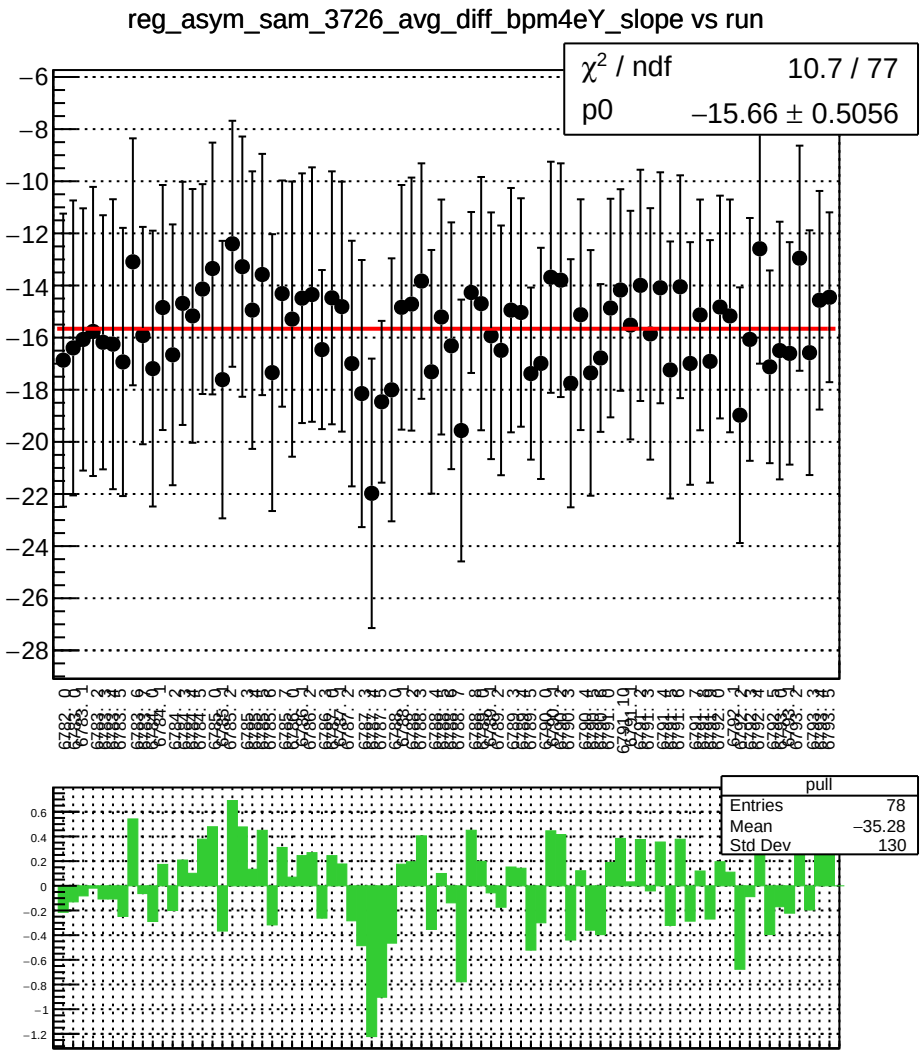

pull1D
Entries 78
Mean 0.002309
Std Dev 0.3268

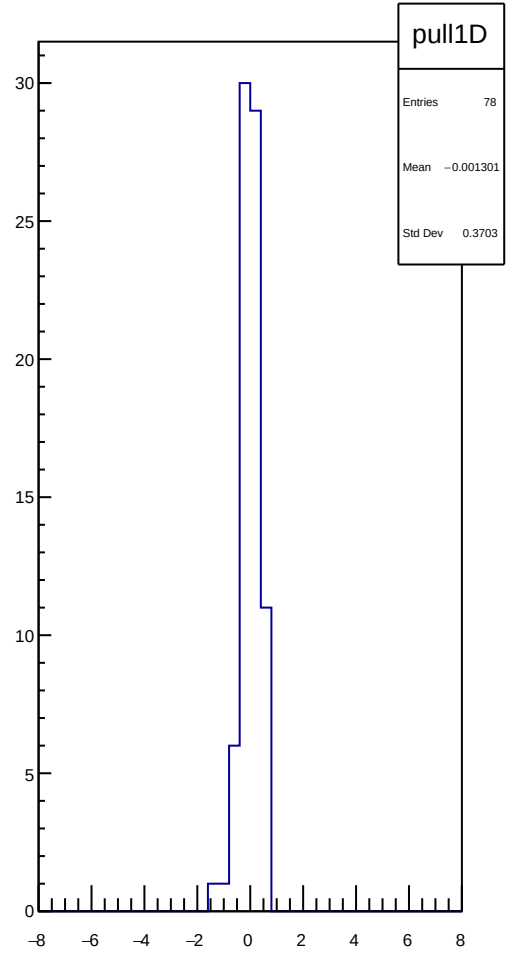

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.065 / 77
p0 −8.537 ± 0.7739
pull
Entries 78
Mean −9.228
Std Dev 52.36

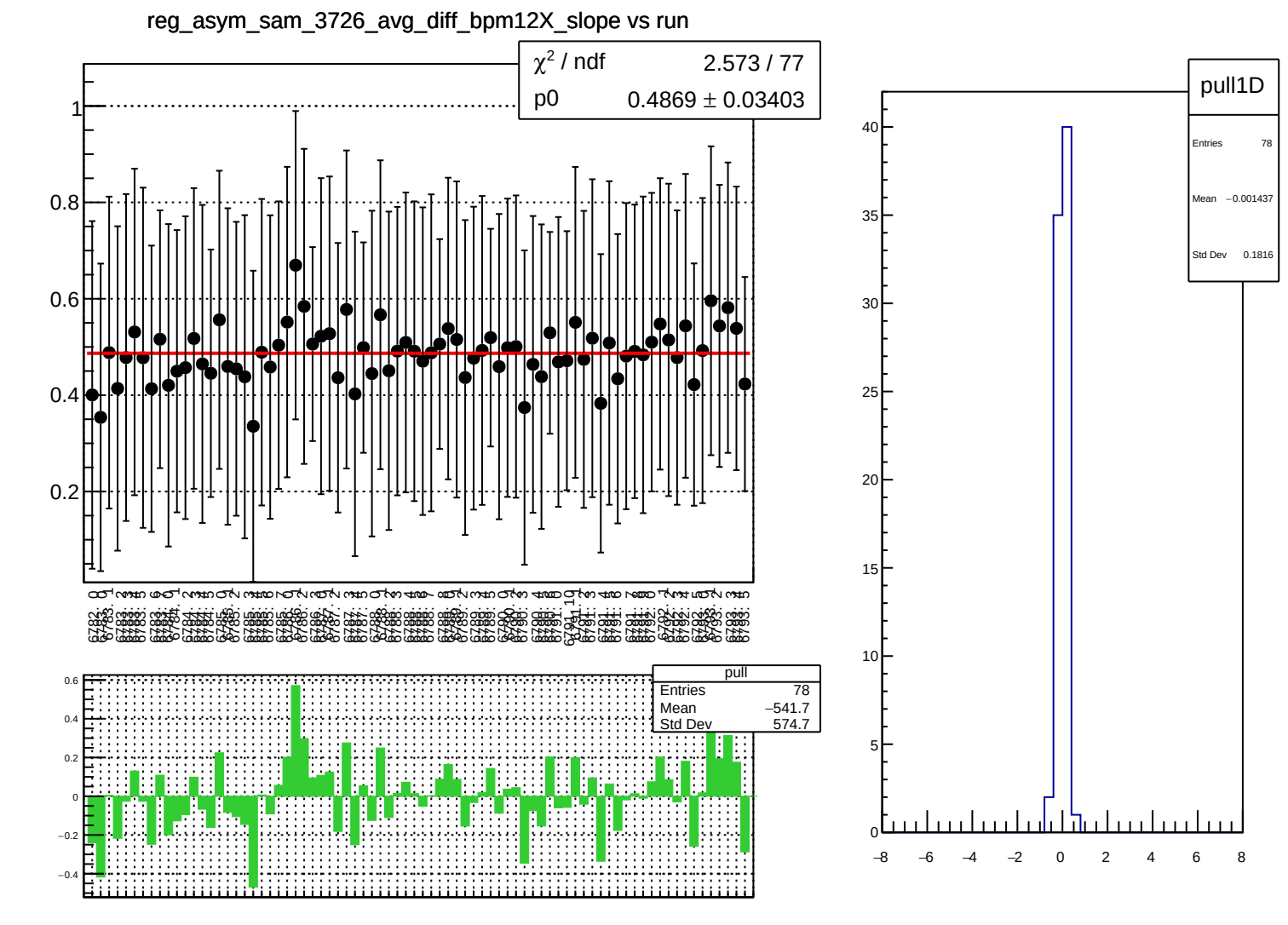

pull1D
Entries 78
Mean 0.006823
Std Dev 0.2282

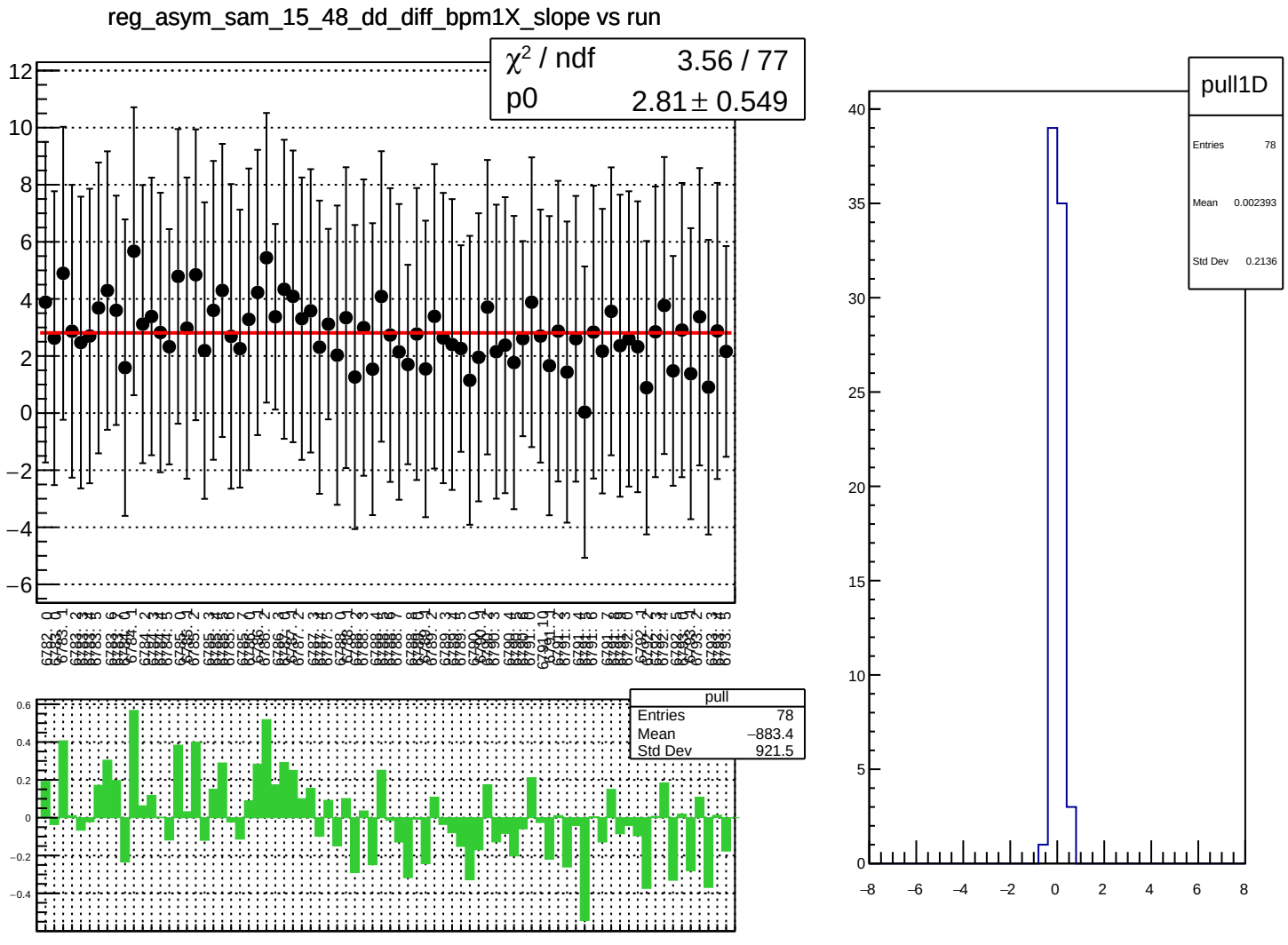

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.272 / 77
p0 2.985 ± 0.3662
pull
Entries 78
Mean −326.5
Std Dev 361.7
pull1D
Entries 78
Mean −0.008186
Std Dev 0.3255

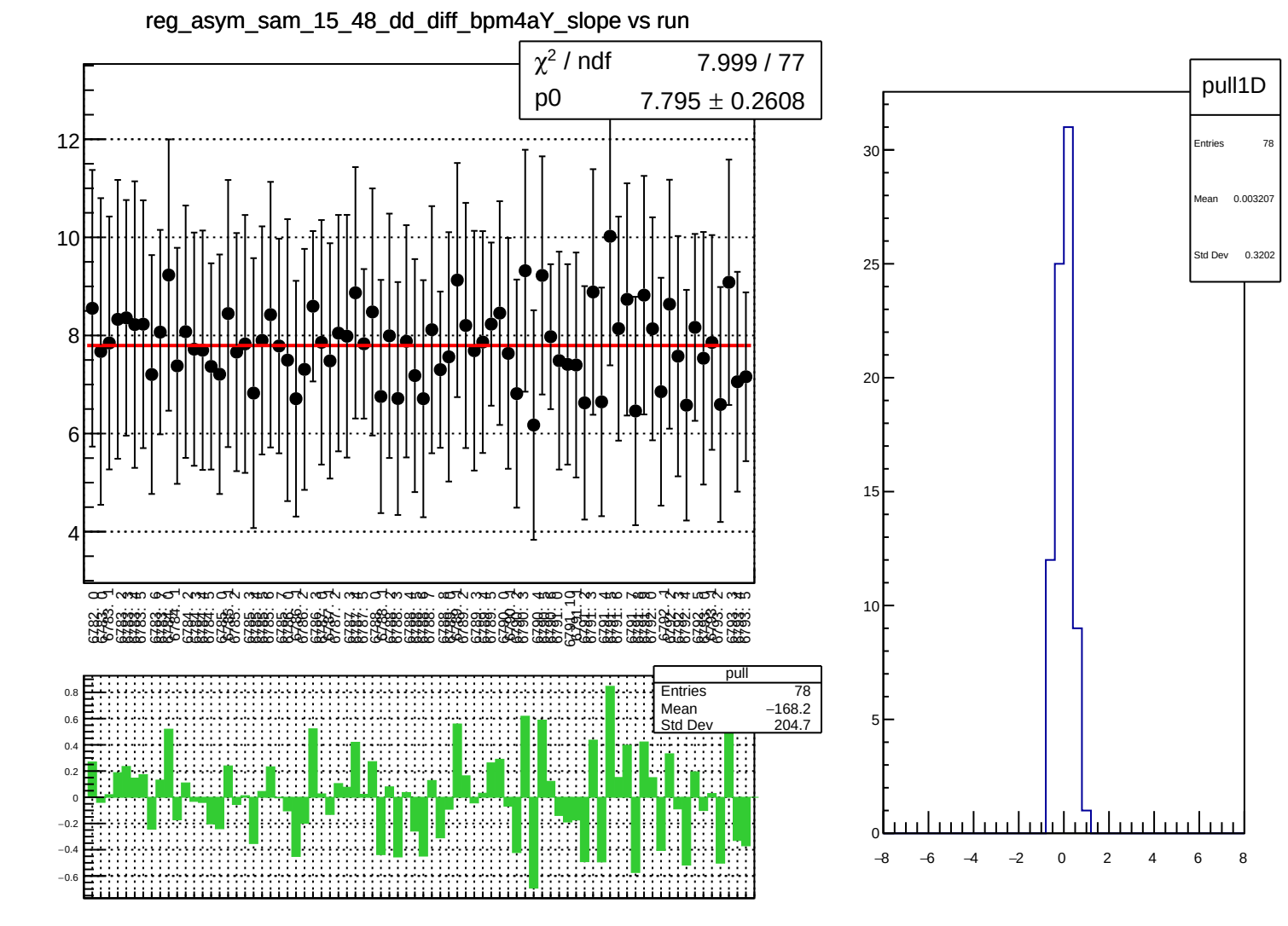

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.455 / 77
p0 −62.63 ± 0.7226
pull
Entries 78
Mean −78.12
Std Dev 105.5
pull1D
Entries 78
Mean −0.0159
Std Dev 0.3289

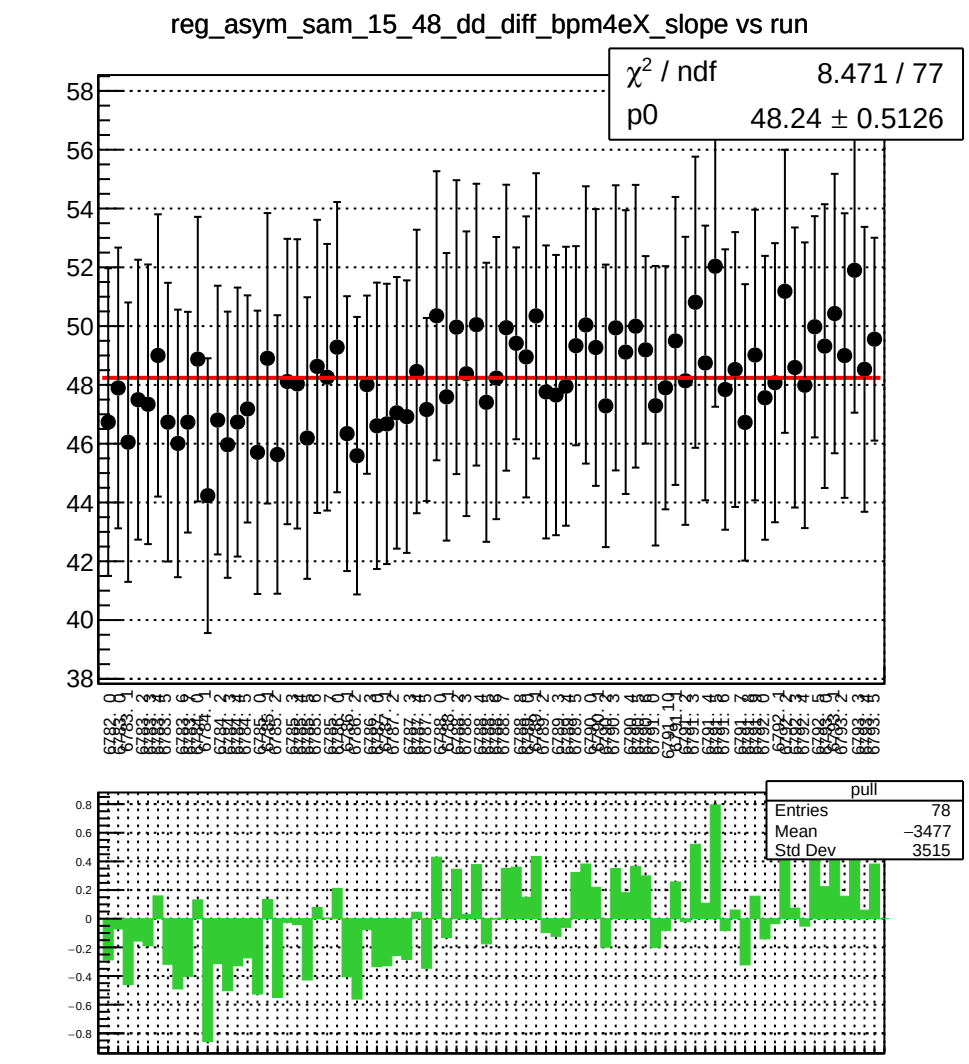

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.7 / 77
p0 −15.66 ± 0.5056
pull
Entries 78
Mean −35.28
Std Dev 130

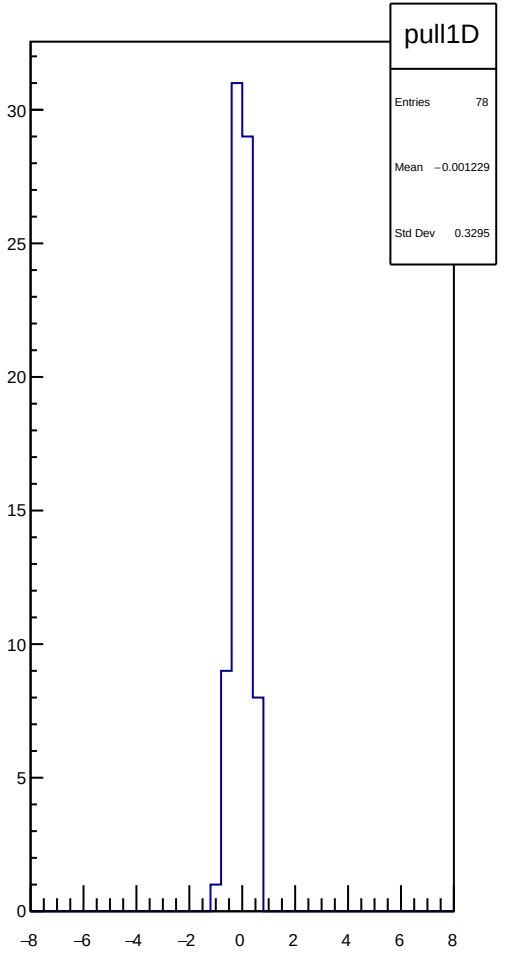

pull1D
Entries 78
Mean −0.001301
Std Dev 0.3703

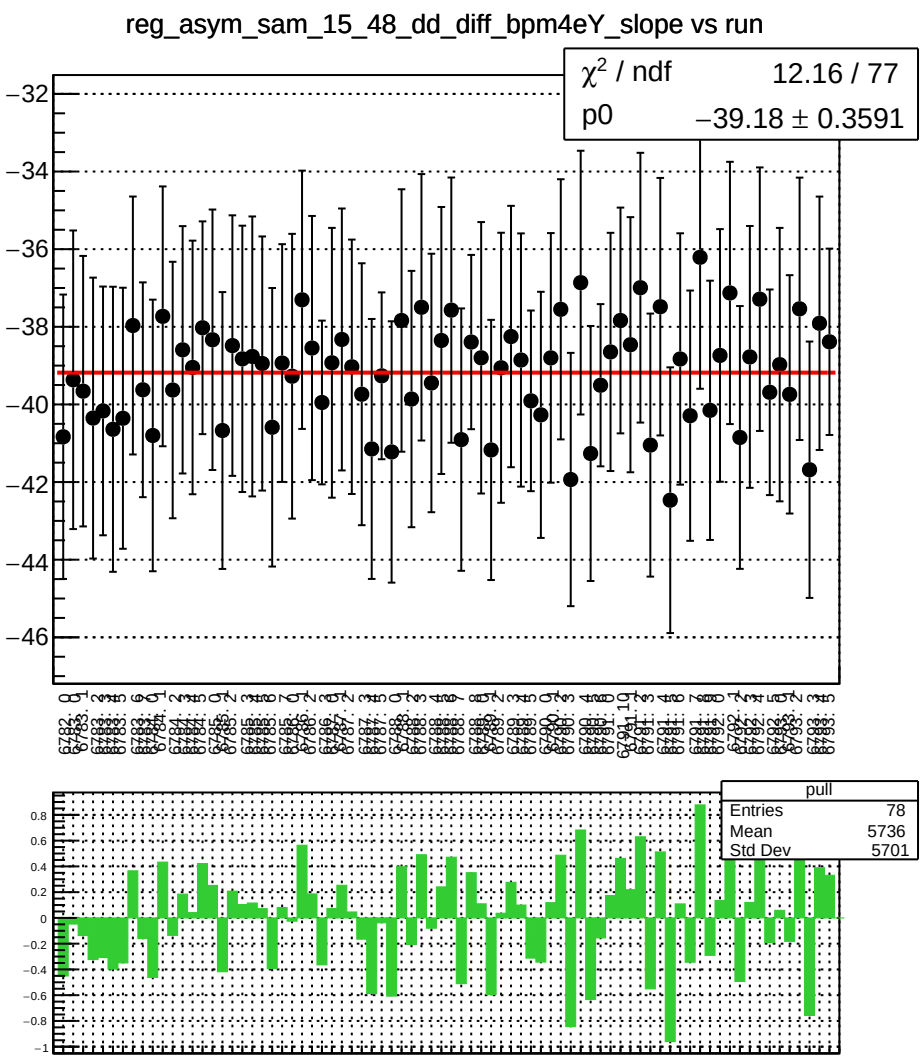

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.573 / 77
p0 0.4869 ± 0.03403
pull
Entries 78
Mean −541.7
Std Dev 574.7
pull1D
Entries 78
Mean −0.001437
Std Dev 0.1816

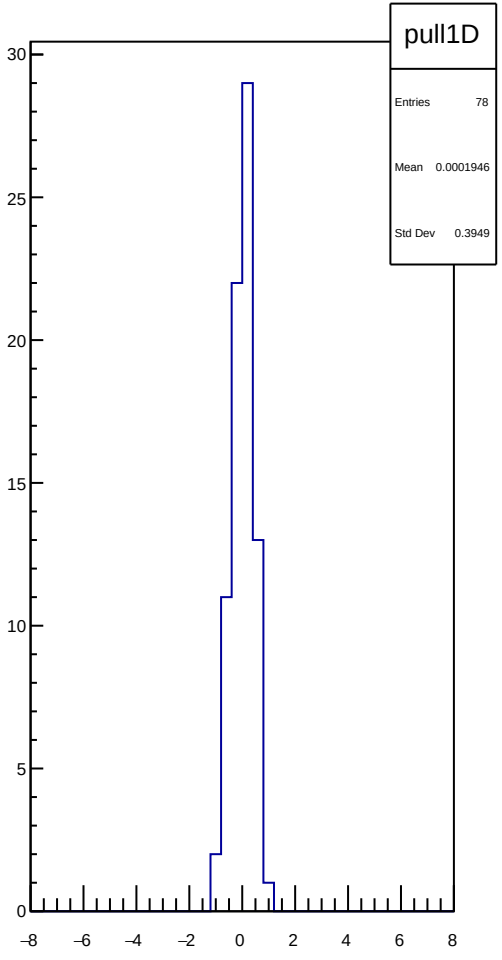

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.56 / 77
p0 2.81 ± 0.549
pull
Entries 78
Mean −883.4
Std Dev 921.5
pull1D
Entries 78
Mean 0.002393
Std Dev 0.2136

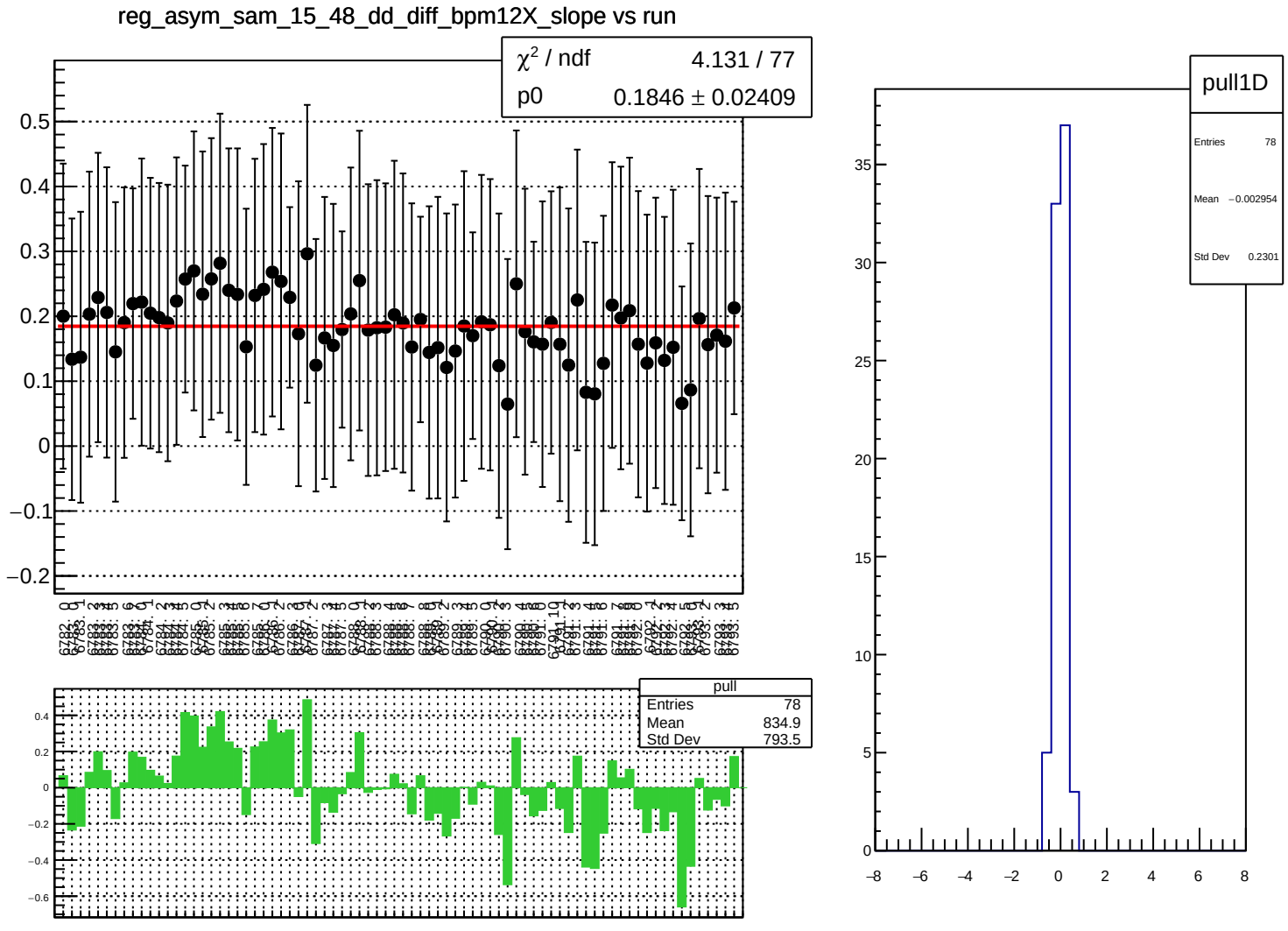

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.999 / 77
p0 7.795 ± 0.2608
pull
Entries 78
Mean −168.2
Std Dev 204.7
pull1D
Entries 78
Mean 0.003207
Std Dev 0.3202

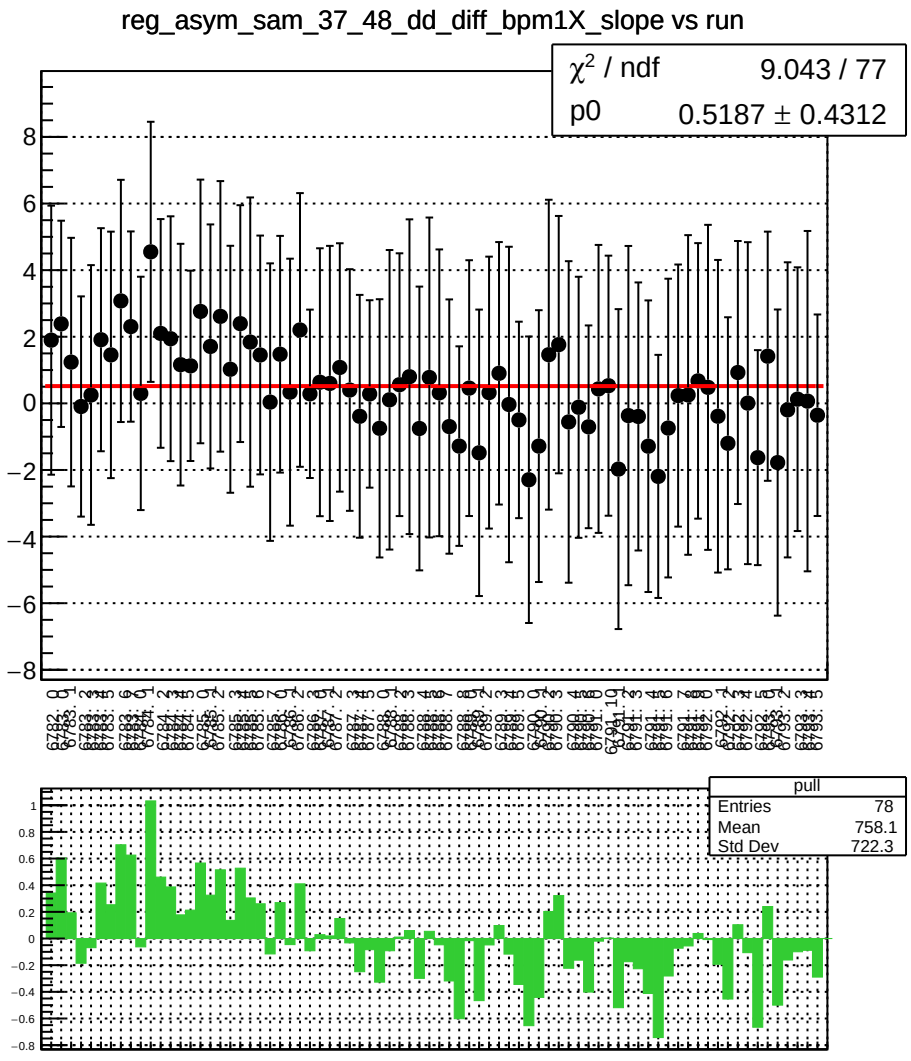

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.471 / 77
p0 48.24 ± 0.5126
pull
Entries 78
Mean −3477
Std Dev 3515

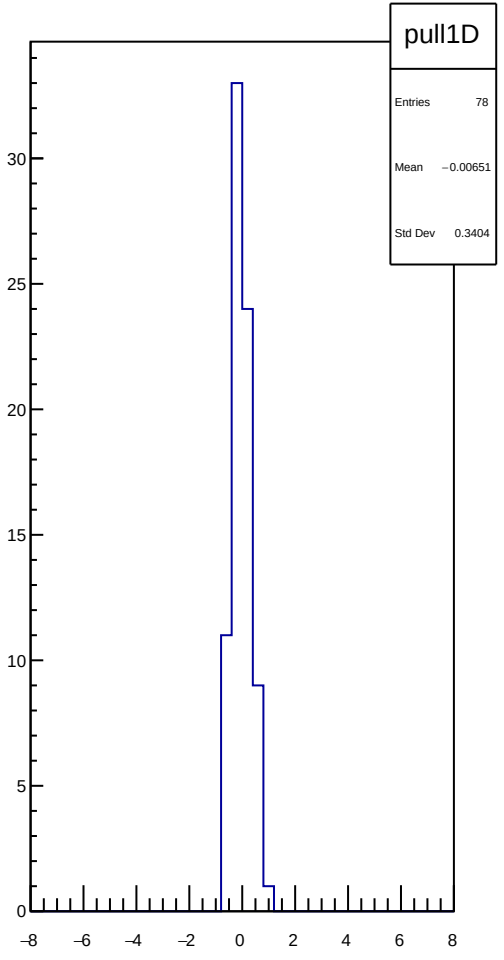

pull1D
Entries 78
Mean −0.001229
Std Dev 0.3295

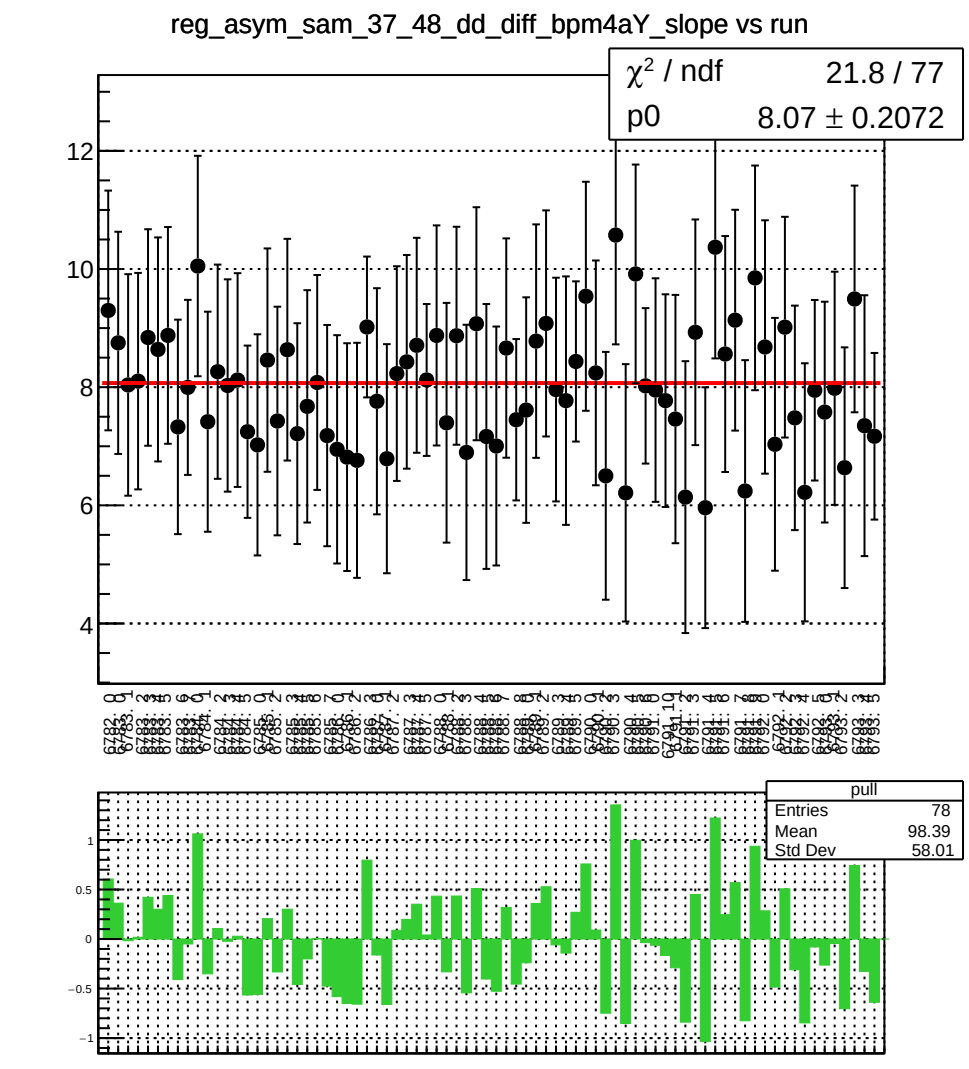

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.16 / 77
p0 −39.18 ± 0.3591
pull
Entries 78
Mean 5736
Std Dev 5701

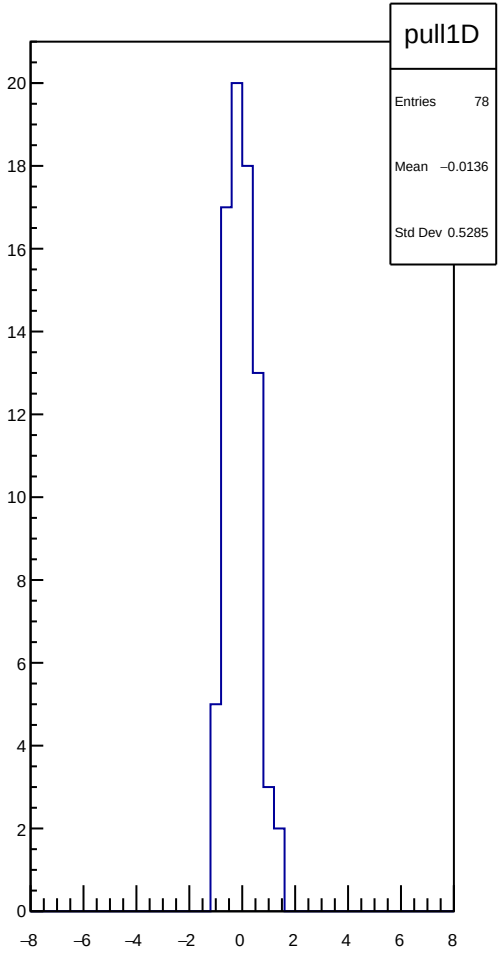

pull1D
Entries 78
Mean 0.0001946
Std Dev 0.3949

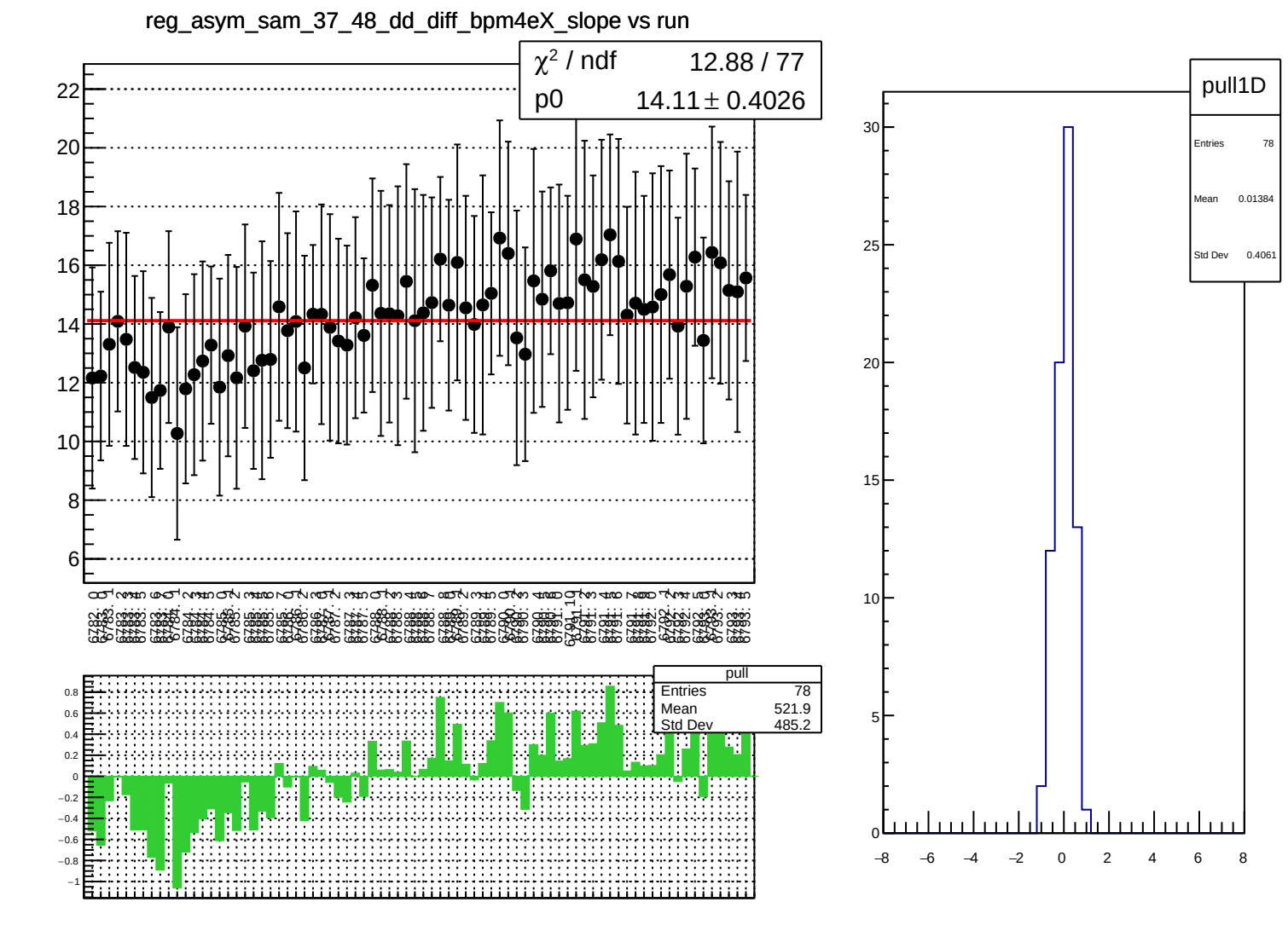

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.131 / 77
p0 0.1846 ± 0.02409
pull
Entries 78
Mean 834.9
Std Dev 793.5
pull1D
Entries 78
Mean −0.002954
Std Dev 0.2301

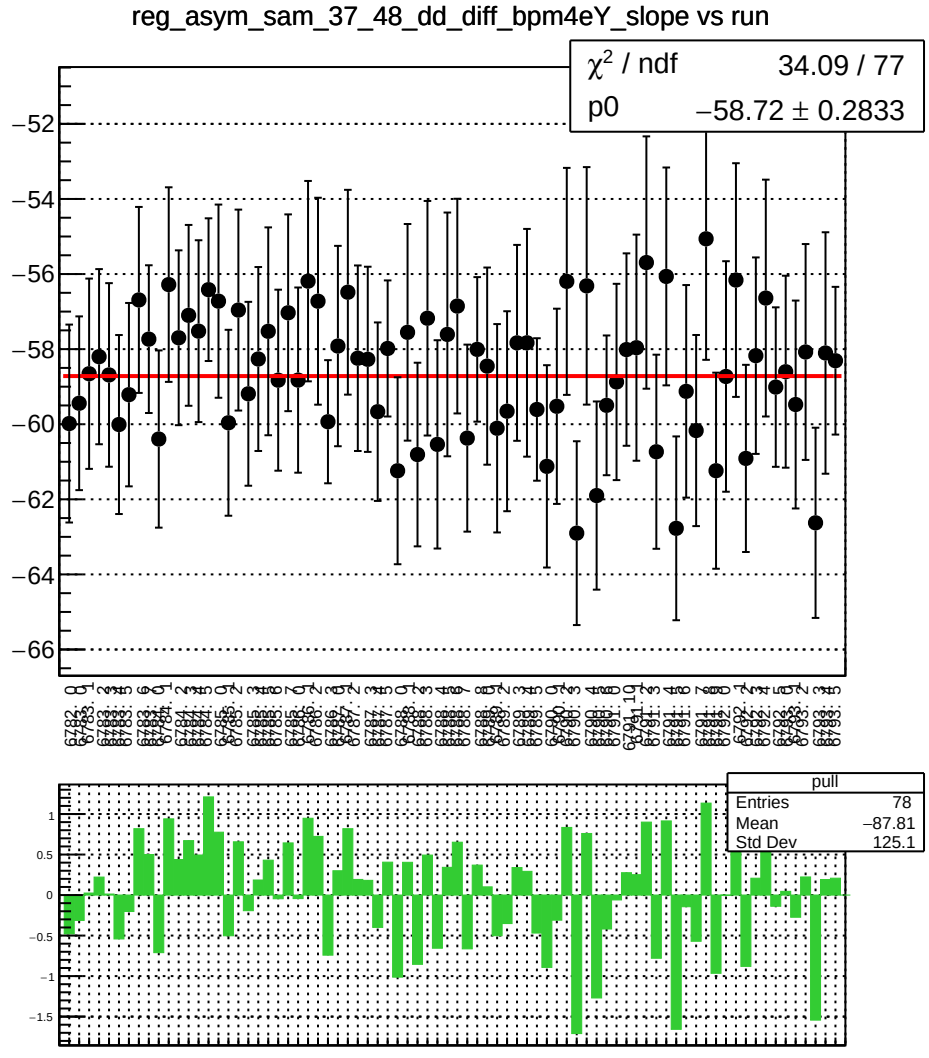

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.043 / 77
p0 0.5187 ± 0.4312
pull
Entries 78
Mean 758.1
Std Dev 722.3

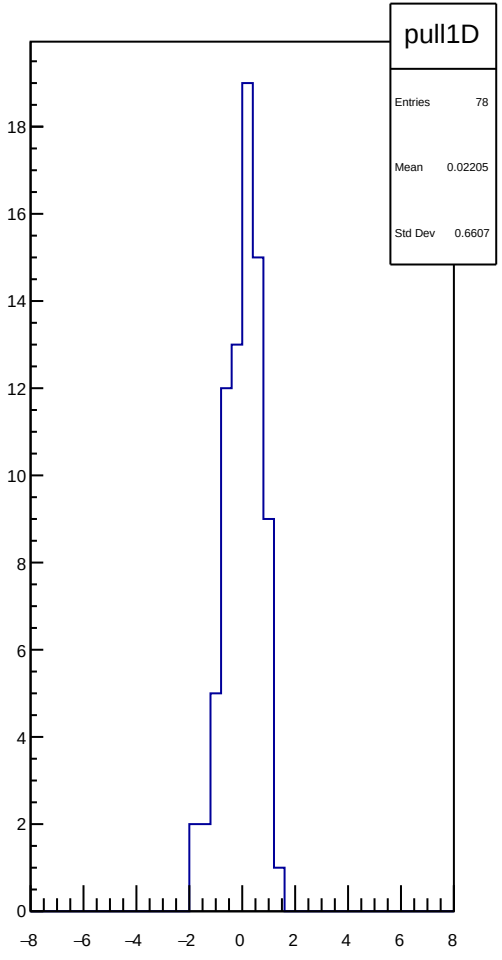

pull1D
Entries 78
Mean −0.00651
Std Dev 0.3404

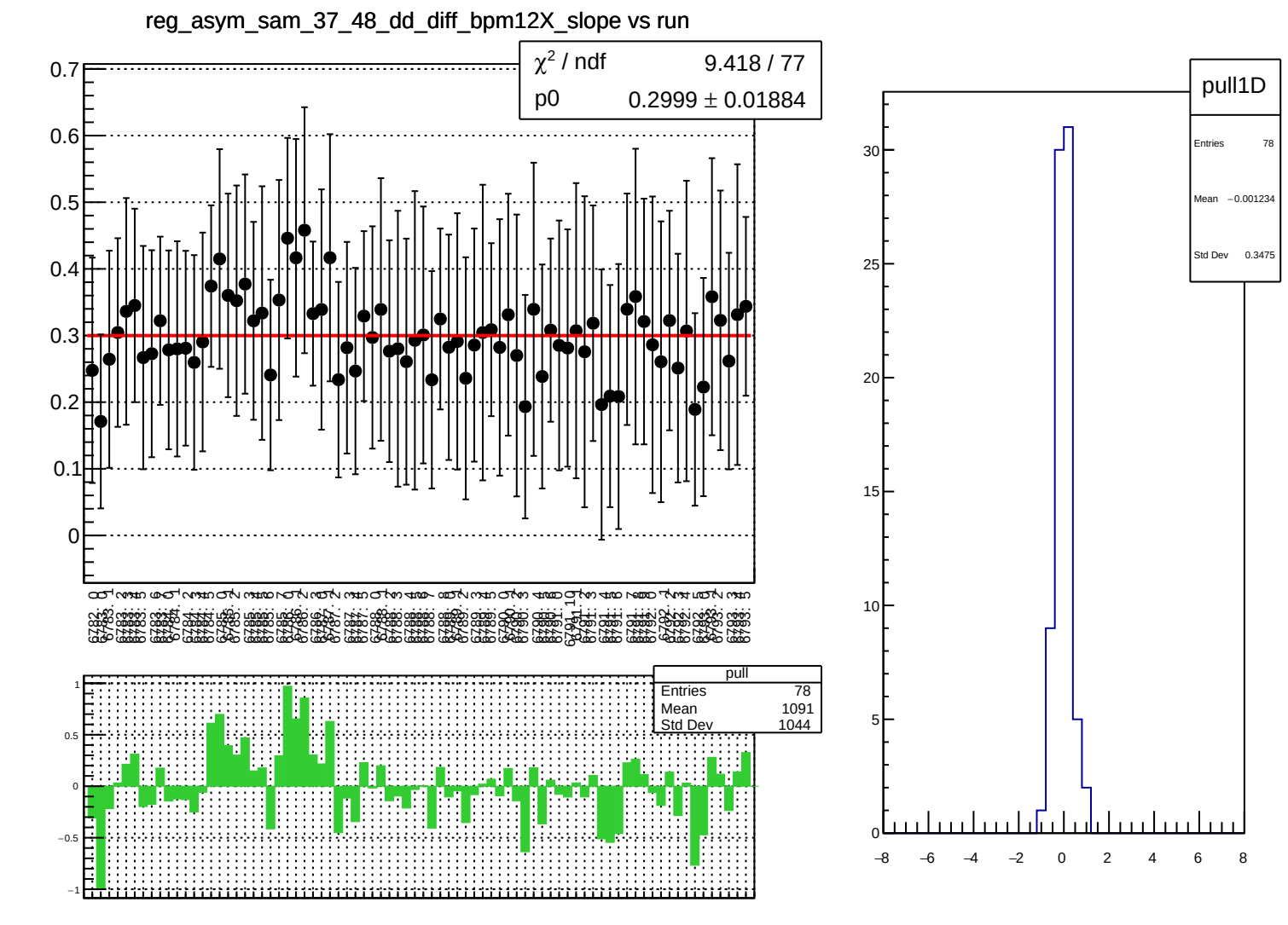

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.8 / 77
p0 8.07 ± 0.2072
pull
Entries 78
Mean 98.39
Std Dev 58.01

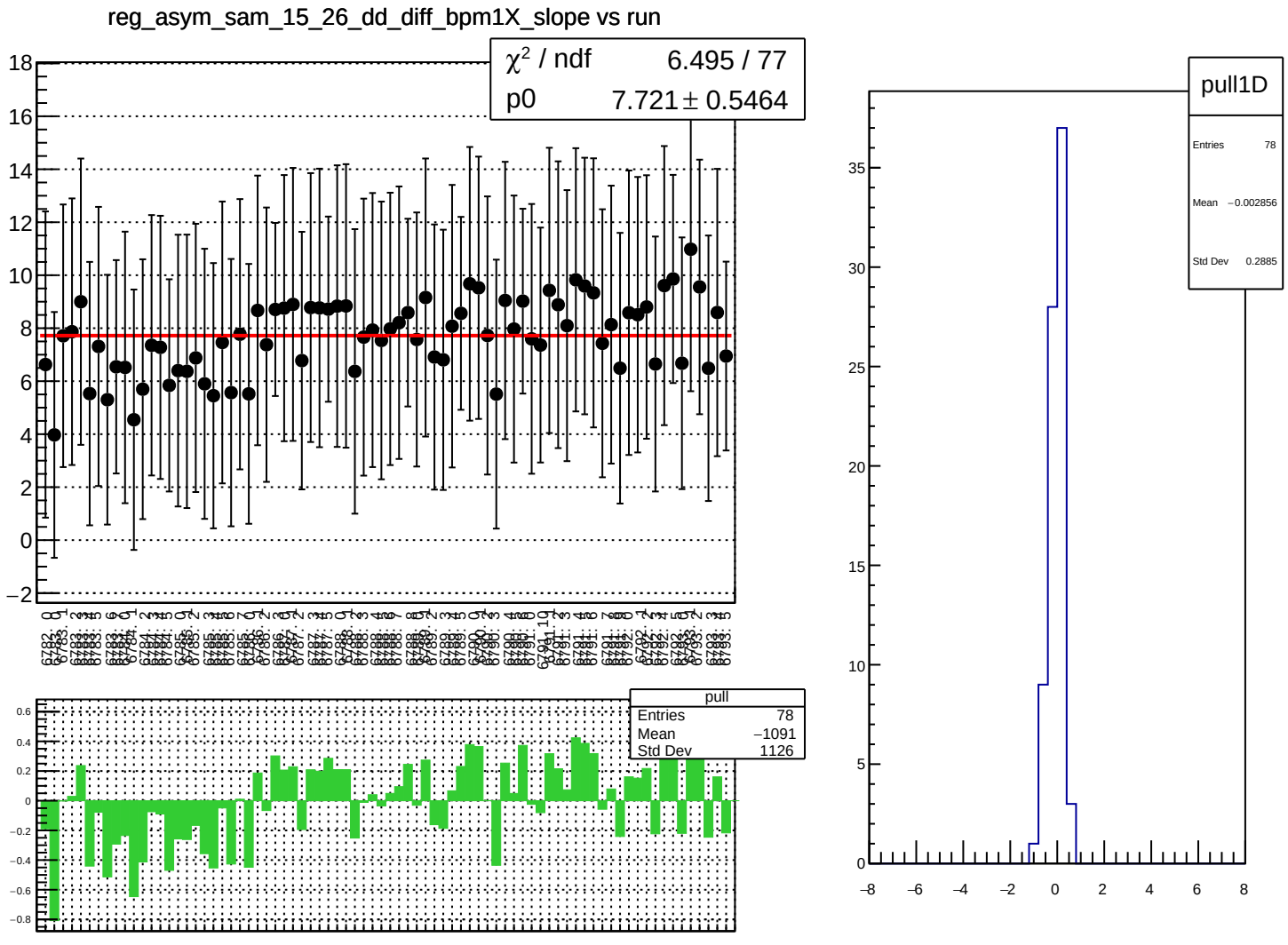

pull1D
Entries 78
Mean −0.0136
Std Dev 0.5285

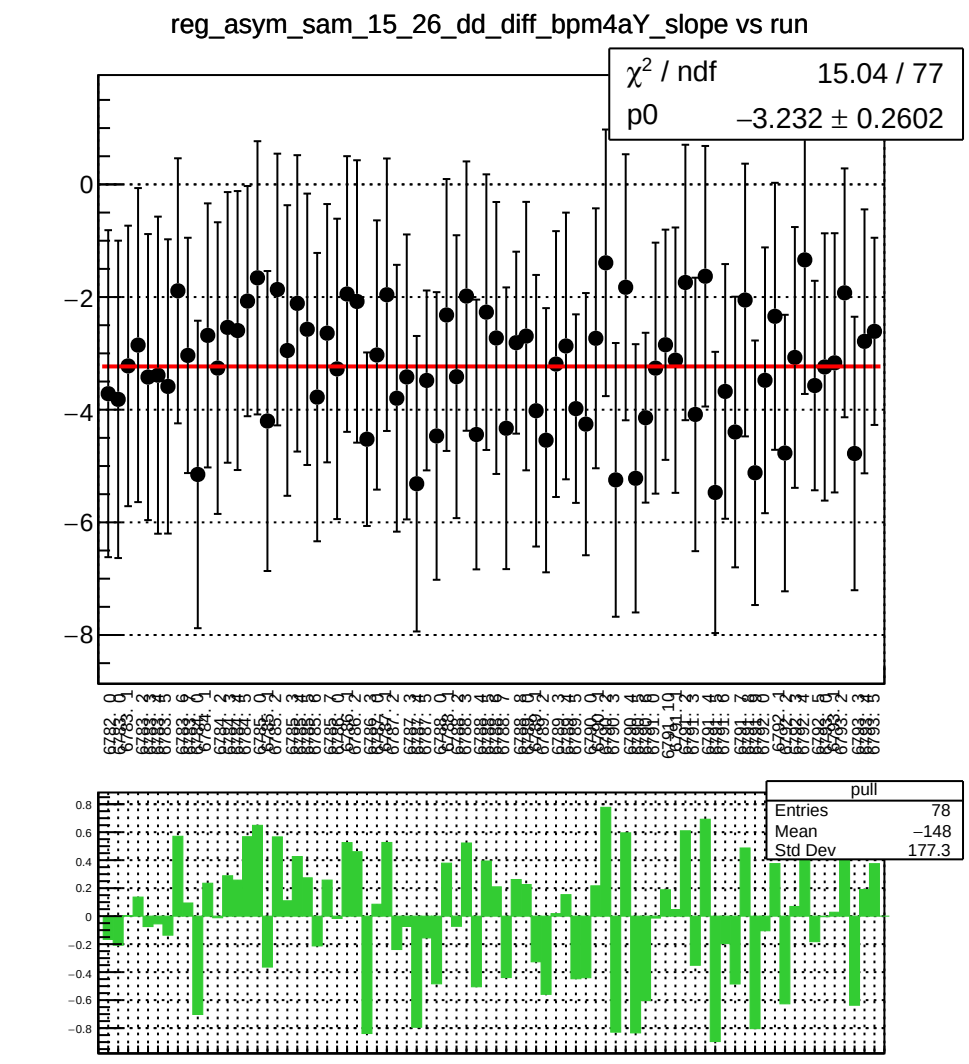

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.88 / 77
p0 14.11 ± 0.4026
pull
Entries 78
Mean 521.9
Std Dev 485.2
pull1D
Entries 78
Mean 0.01384
Std Dev 0.4061

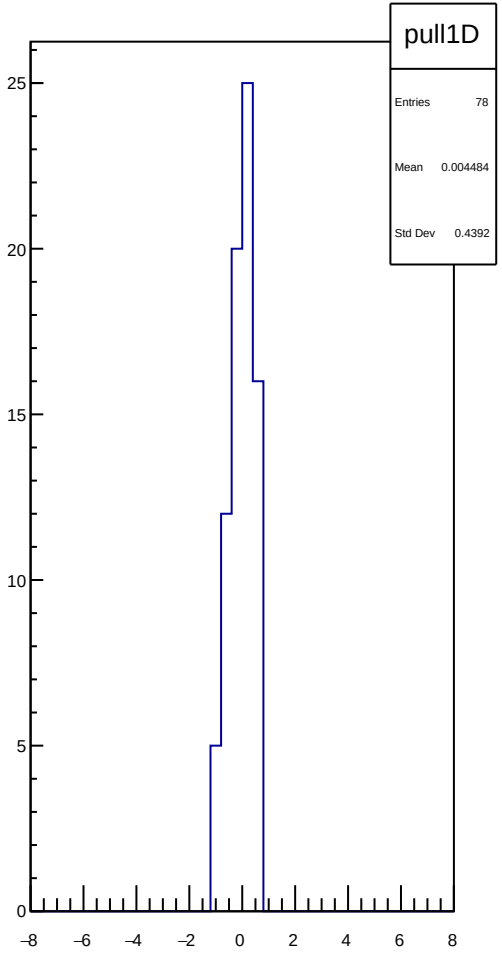

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.09 / 77
p0 −58.72 ± 0.2833
pull
Entries 78
Mean −87.81
Std Dev 125.1

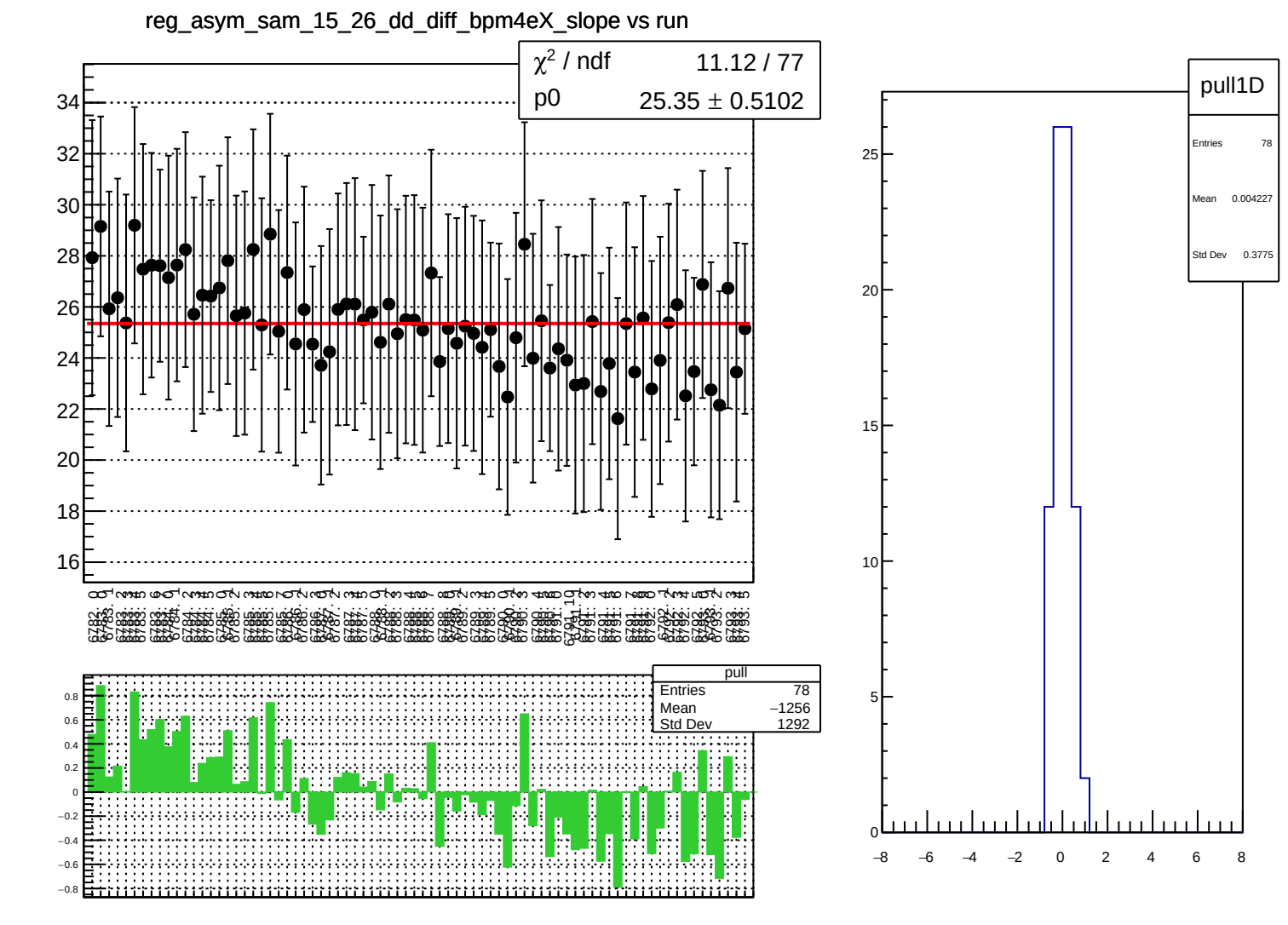

pull1D
Entries 78
Mean 0.02205
Std Dev 0.6607

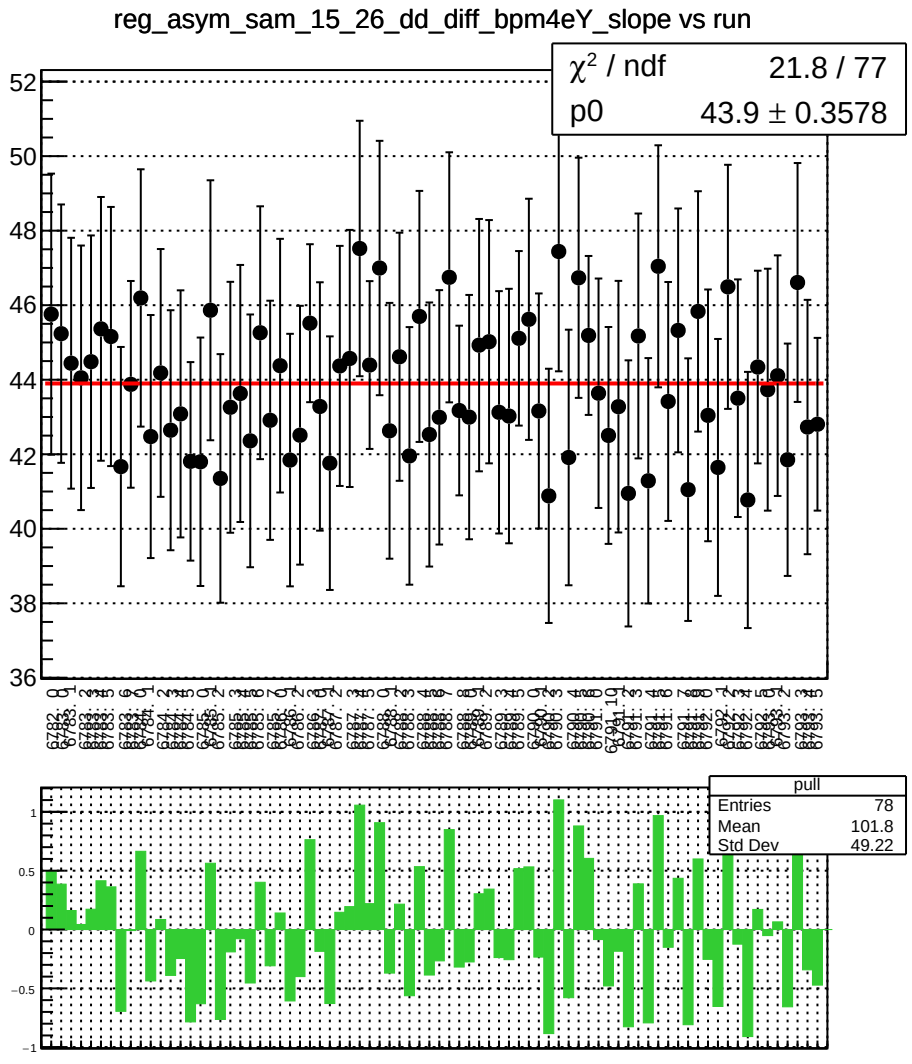

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.418 / 77
p0 0.2999 ± 0.01884
pull
Entries 78
Mean 1091
Std Dev 1044
pull1D
Entries 78
Mean −0.001234
Std Dev 0.3475

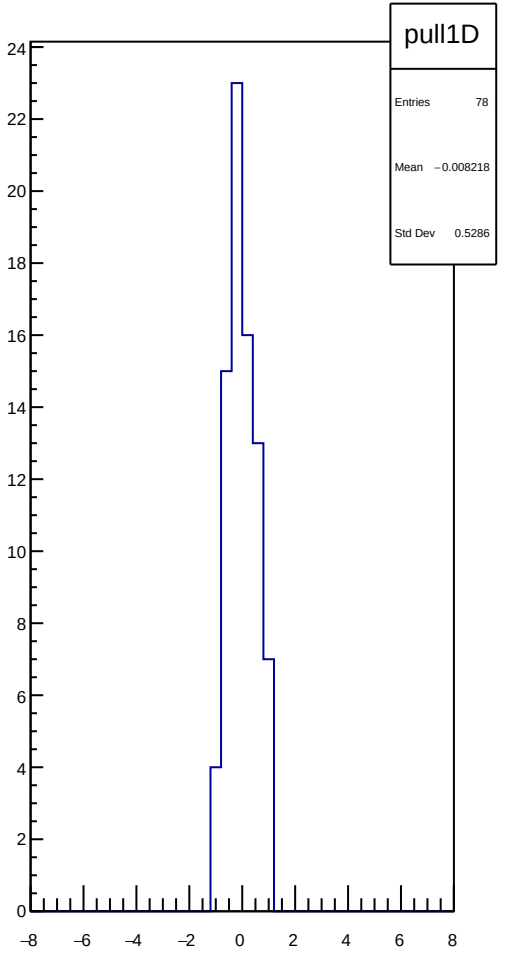

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.495 / 77
p0 7.721 ± 0.5464
pull
Entries 78
Mean −1091
Std Dev 1126
pull1D
Entries 78
Mean −0.002856
Std Dev 0.2885

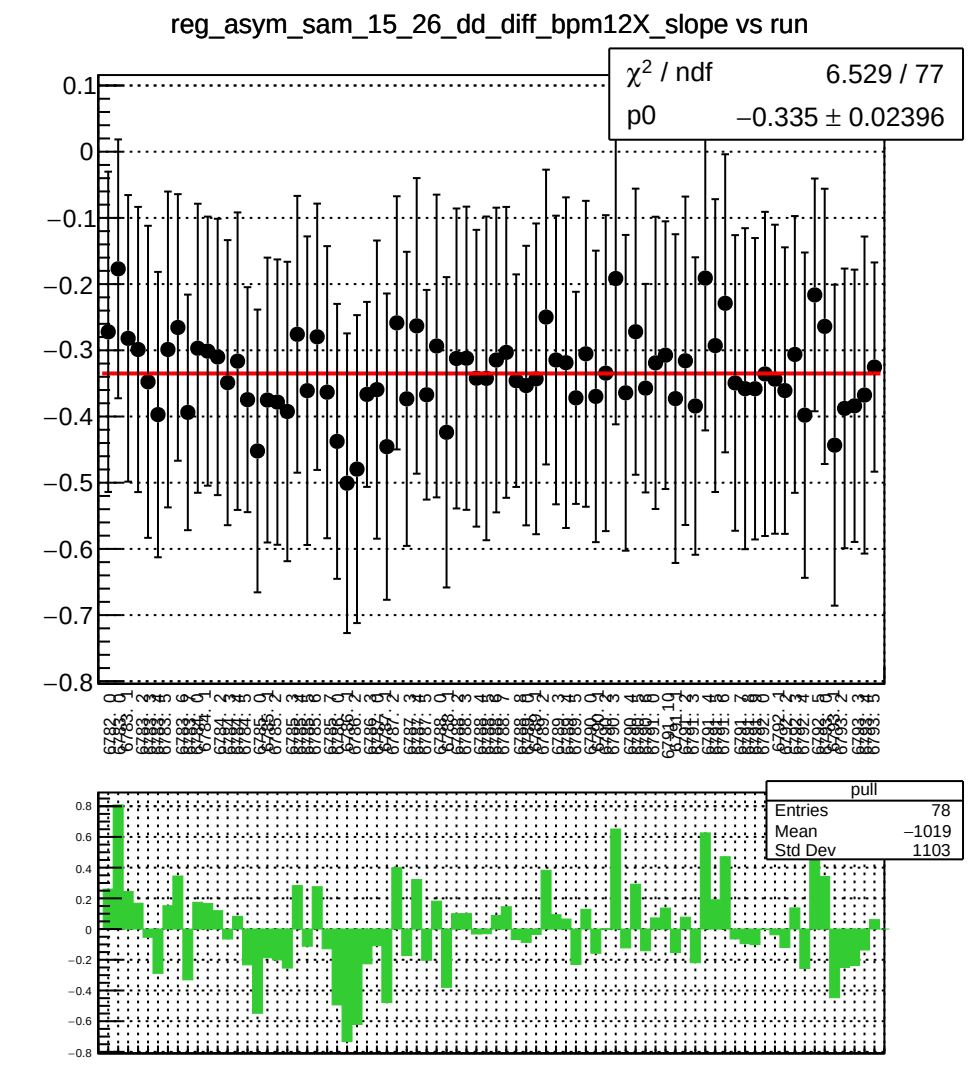

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.04 / 77
p0 −3.232 ± 0.2602
pull
Entries 78
Mean −148
Std Dev 177.3

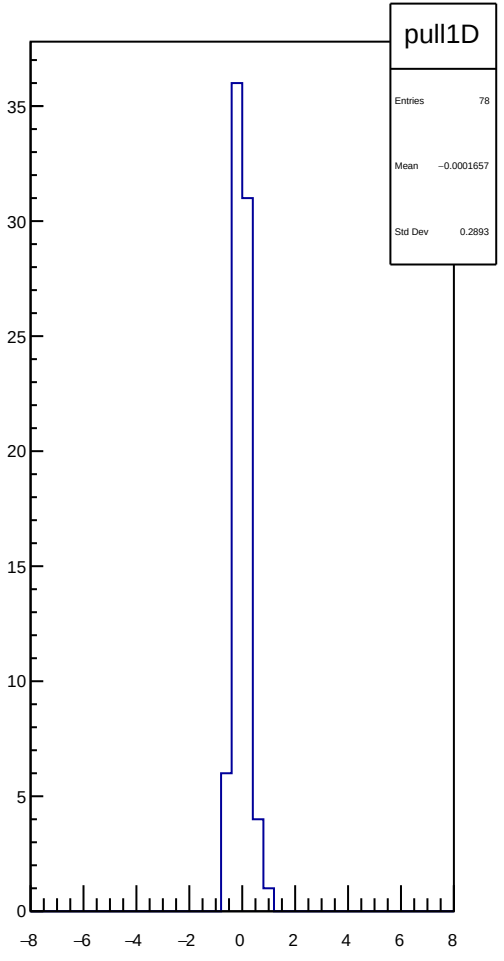

pull1D
Entries 78
Mean 0.004484
Std Dev 0.4392

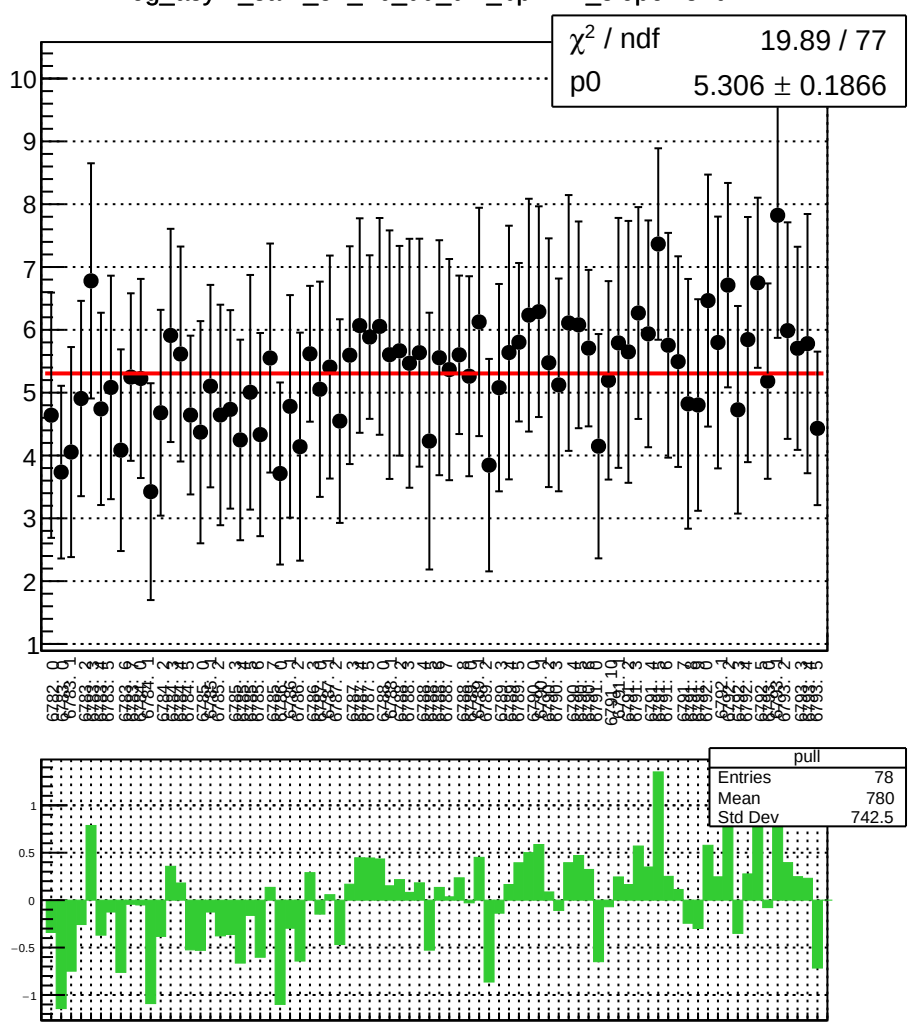

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.12 / 77
p0 25.35 ± 0.5102
pull
Entries 78
Mean −1256
Std Dev 1292
pull1D
Entries 78
Mean 0.004227
Std Dev 0.3775

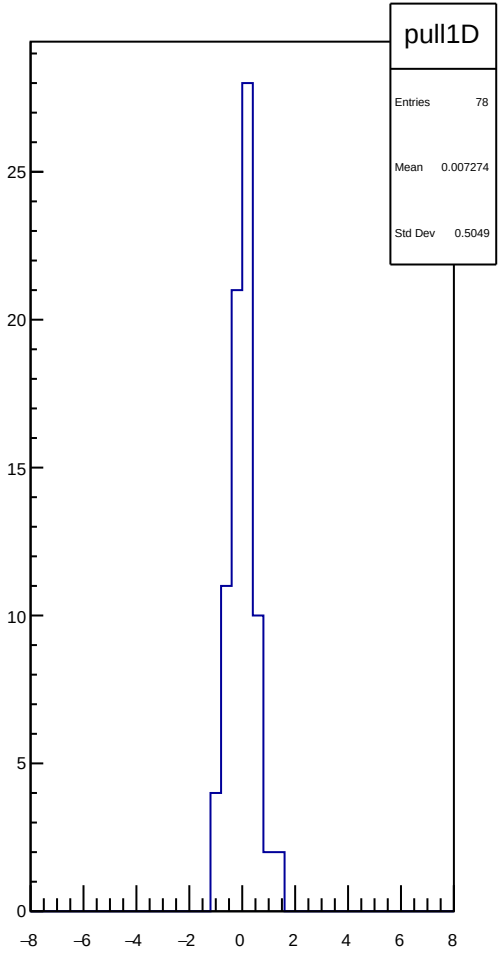

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.8 / 77
p0 43.9 ± 0.3578
pull
Entries 78
Mean 101.8
Std Dev 49.22

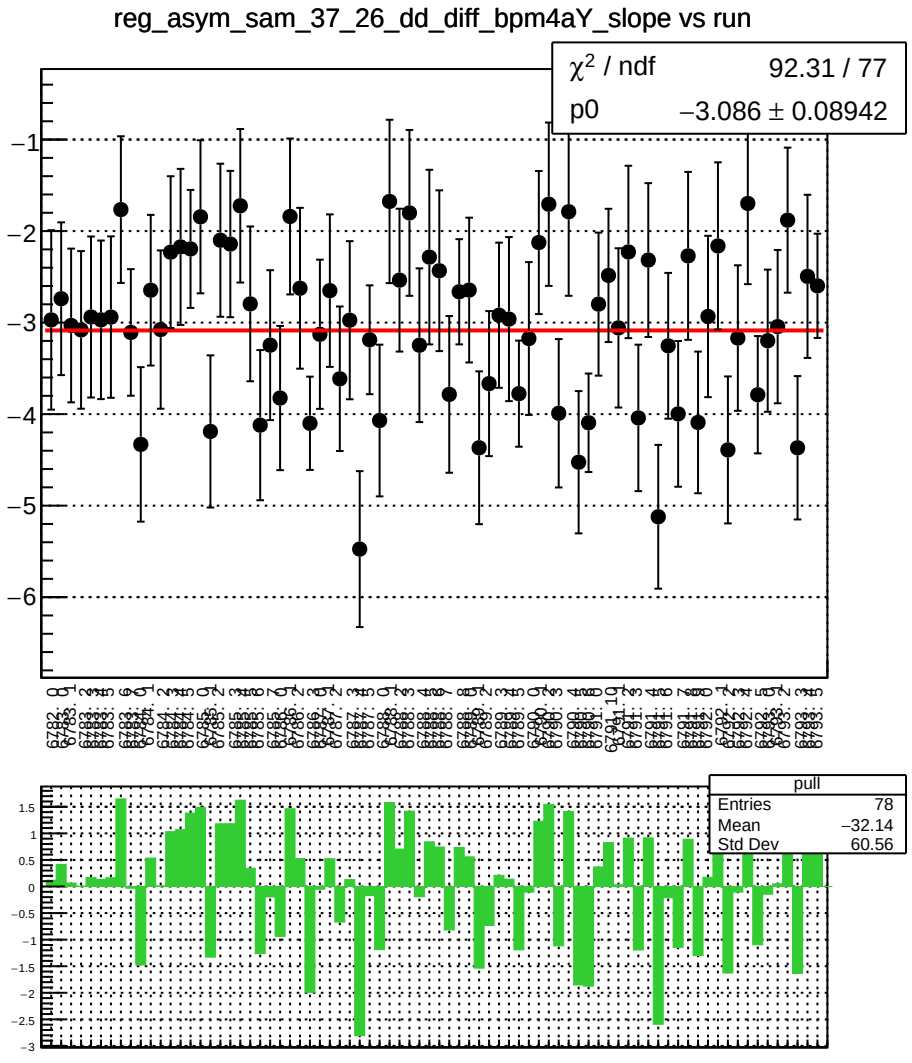

pull1D
Entries 78
Mean −0.008218
Std Dev 0.5286

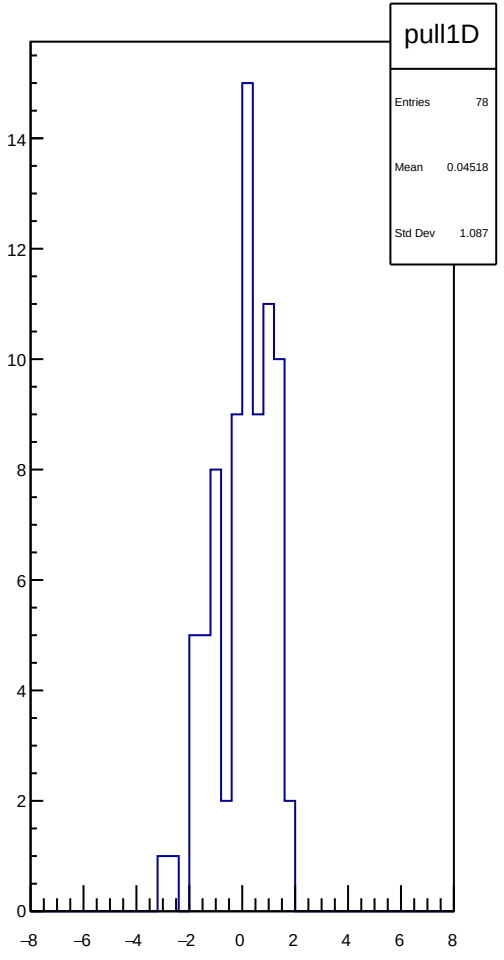

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.529 / 77
p0 −0.335 ± 0.02396
pull
Entries 78
Mean −1019
Std Dev 1103

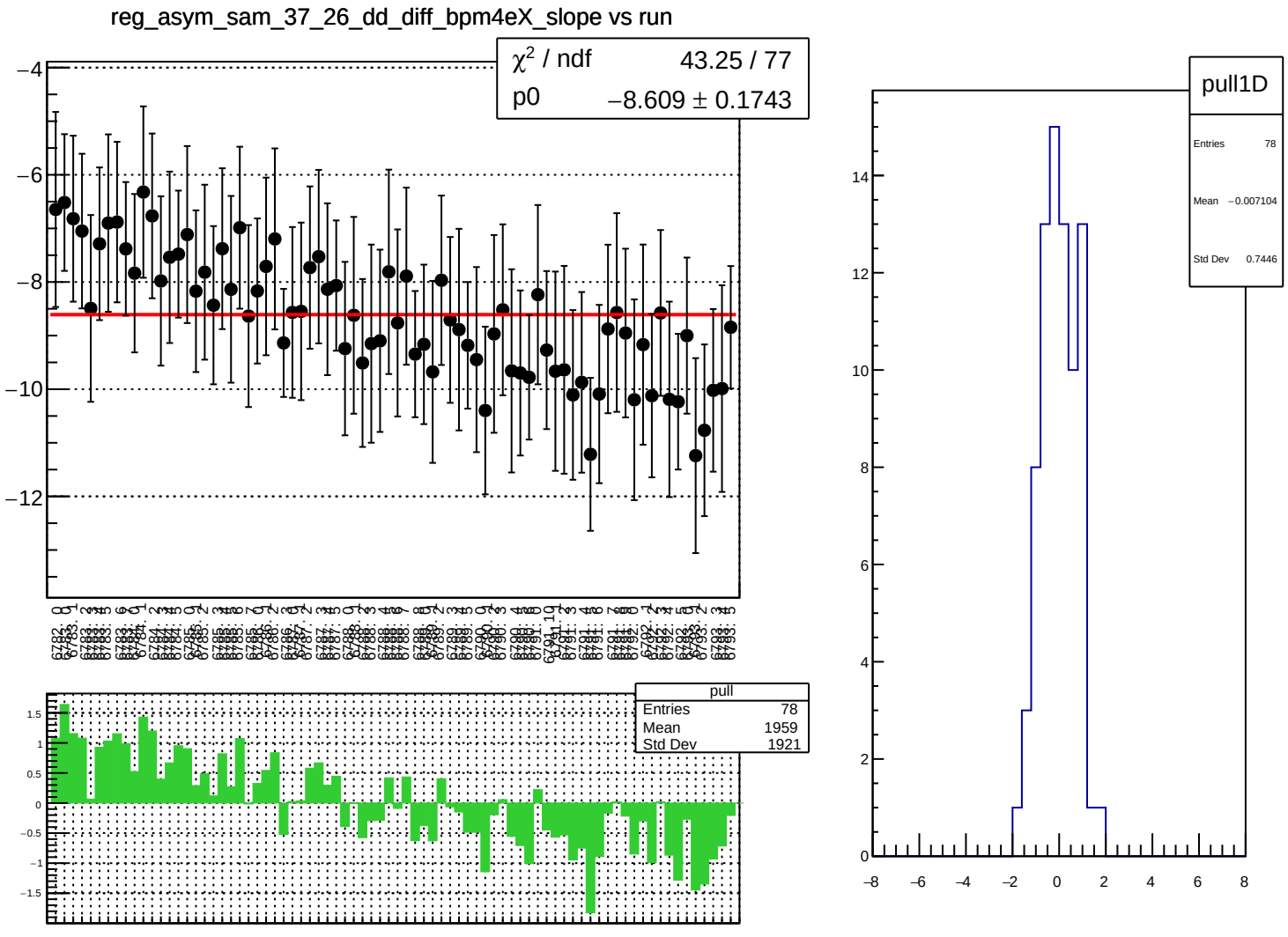

pull1D
Entries 78
Mean −0.0001657
Std Dev 0.2893

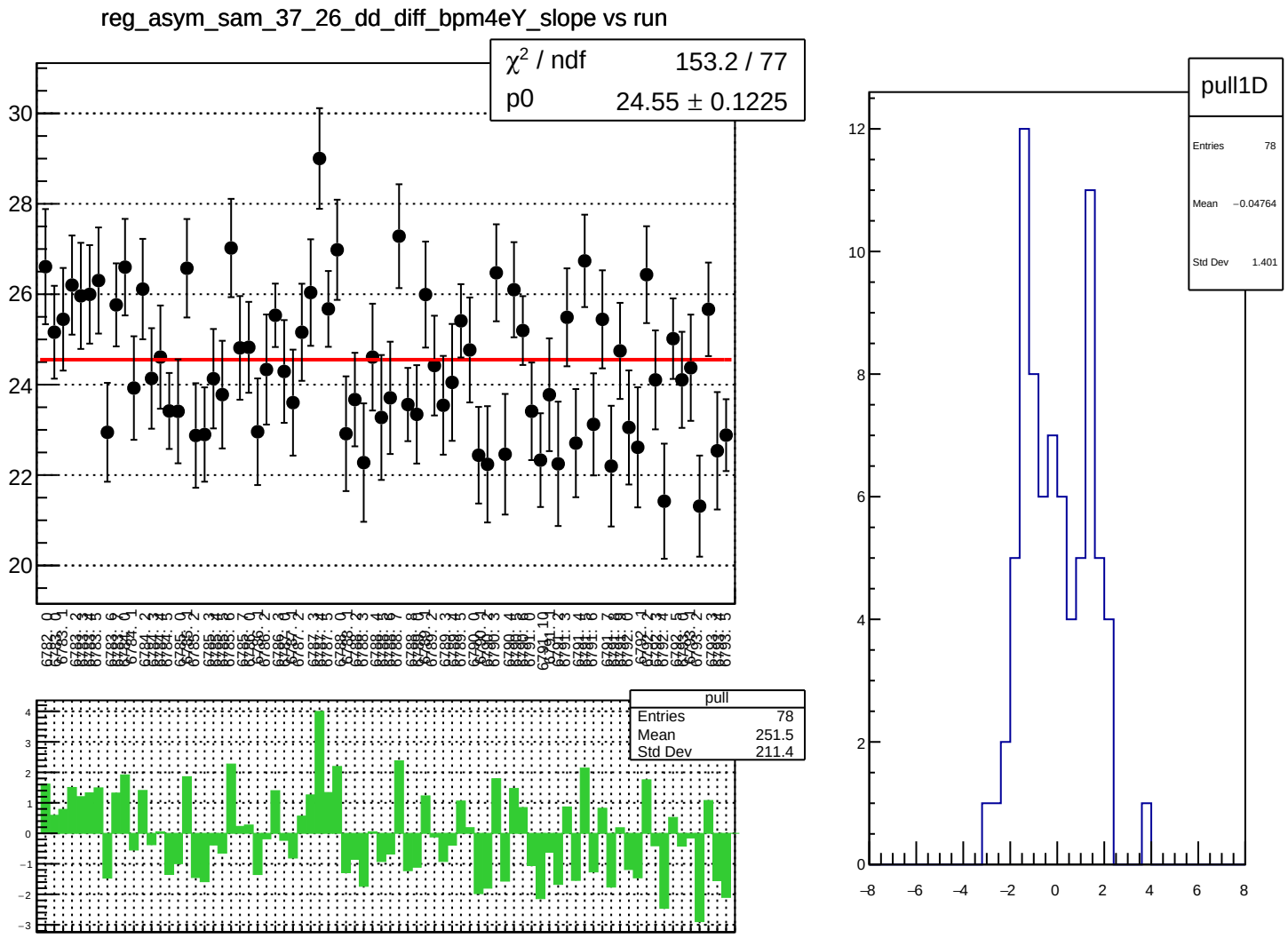

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 19.89 / 77
p0 5.306 ± 0.1866
pull
Entries 78
Mean 780
Std Dev 742.5

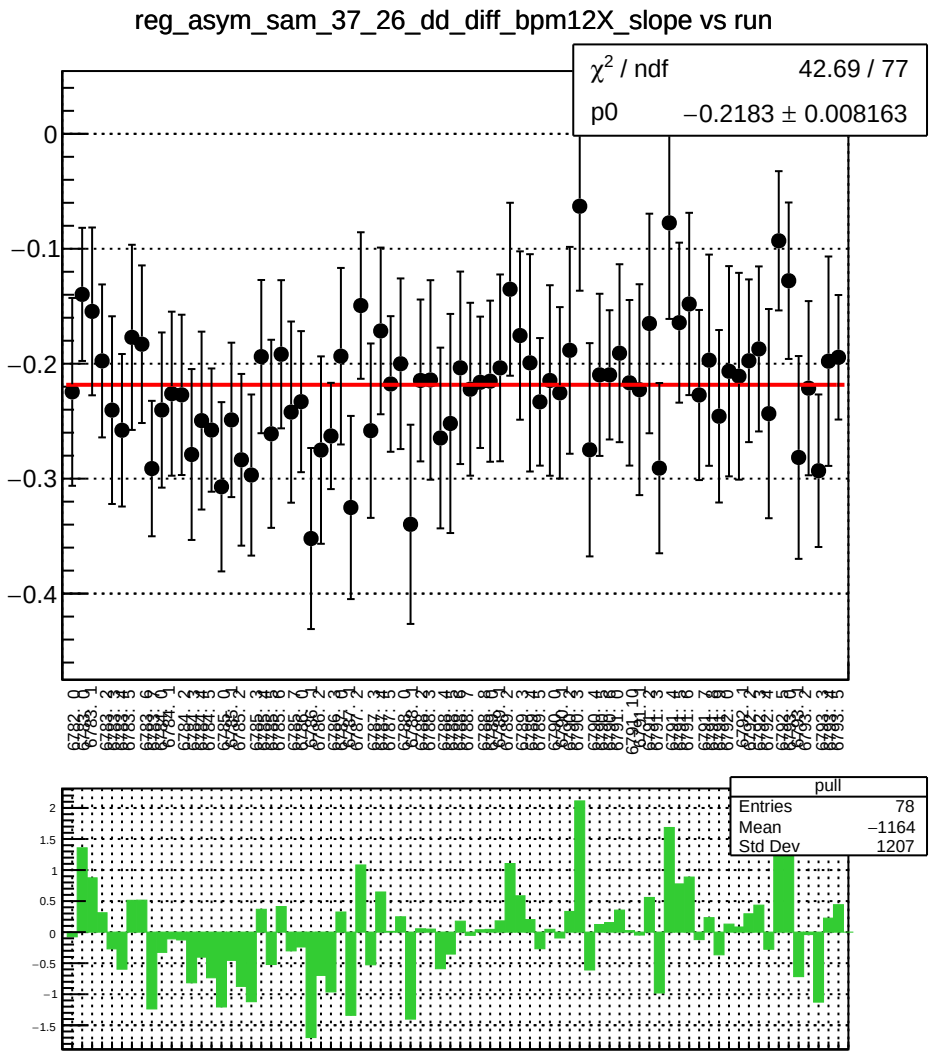

pull1D
Entries 78
Mean 0.007274
Std Dev 0.5049

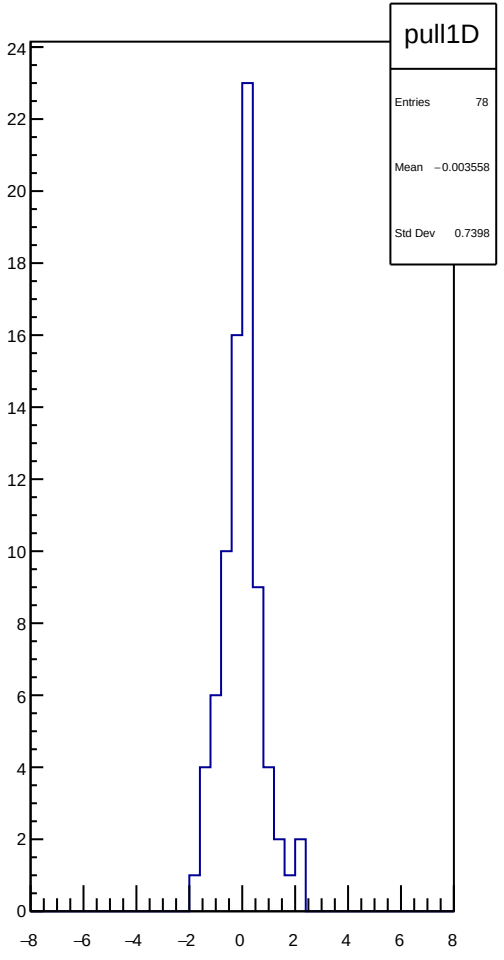

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 92.31 / 77
p0 −3.086 ± 0.08942
pull
Entries 78
Mean −32.14
Std Dev 60.56

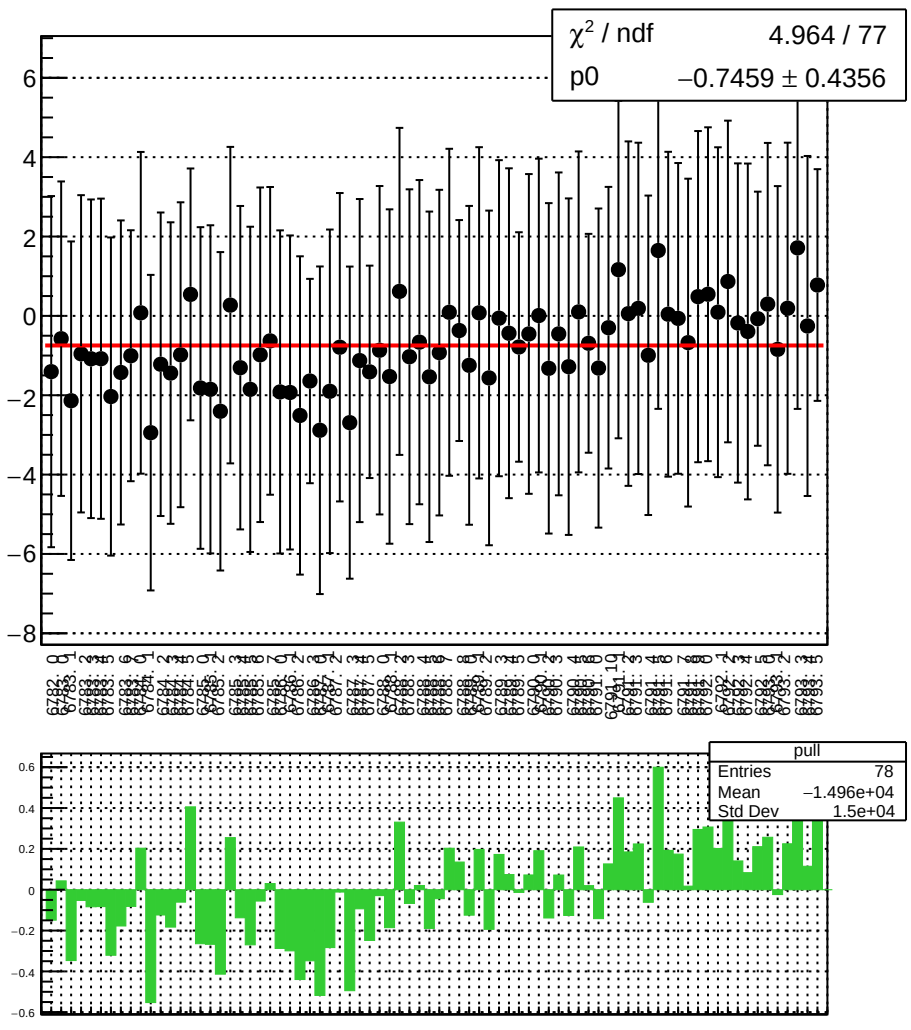

pull1D
Entries 78
Mean 0.04518
Std Dev 1.087

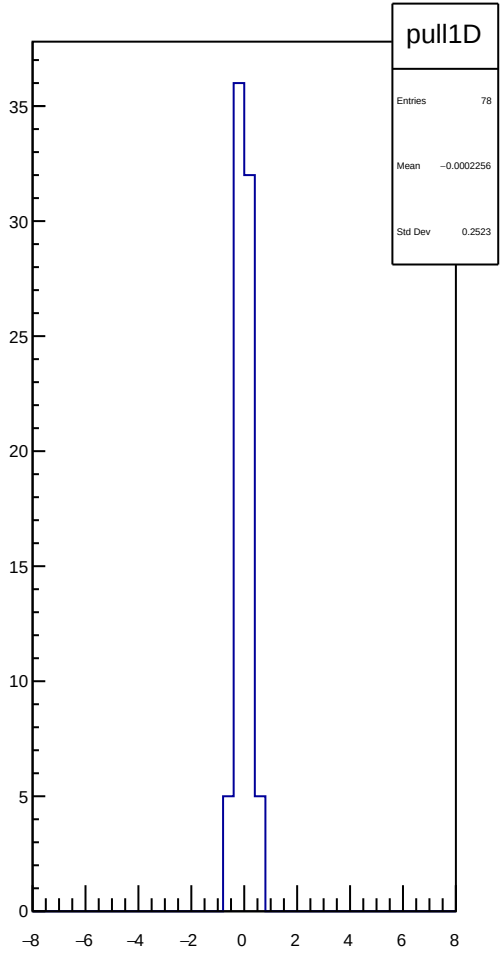

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.25 / 77
p0 −8.609 ± 0.1743
pull
Entries 78
Mean 1959
Std Dev 1921
pull1D
Entries 78
Mean −0.007104
Std Dev 0.7446


reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 153.2 / 77
p0 24.55 ± 0.1225
pull
Entries 78
Mean 251.5
Std Dev 211.4
pull1D
Entries 78
Mean −0.04764
Std Dev 1.401

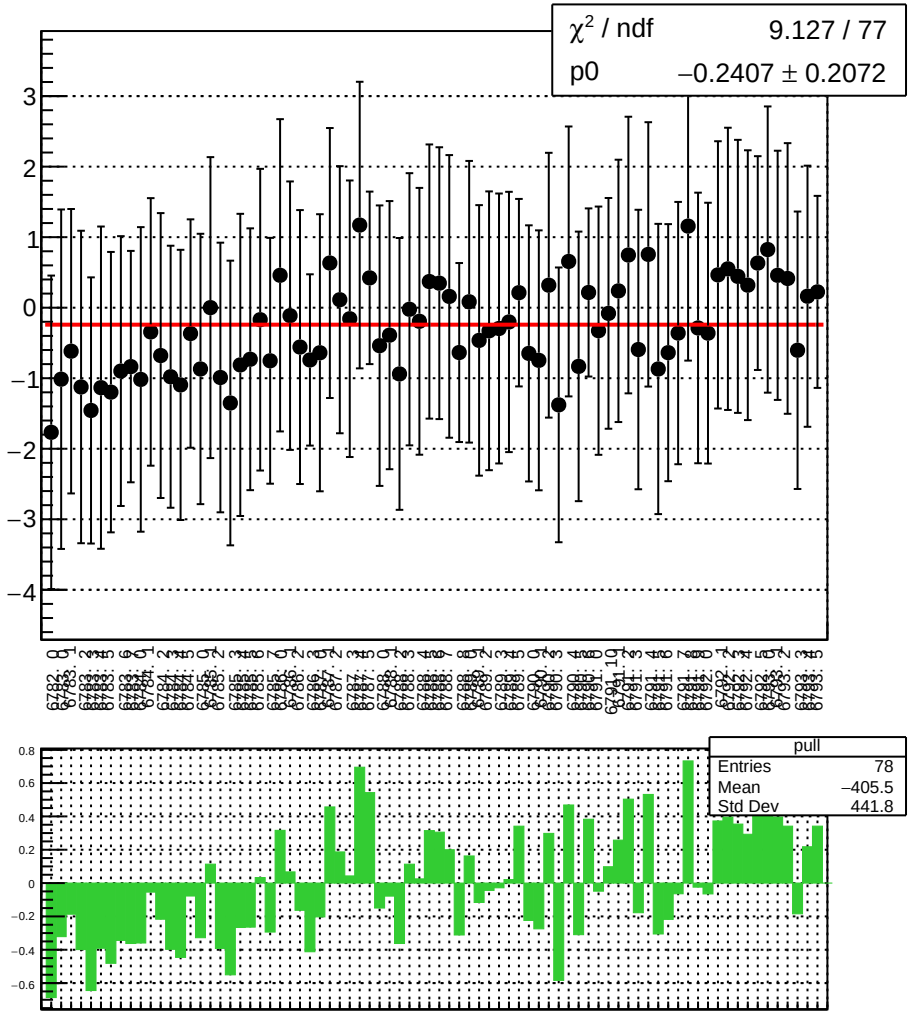

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 42.69 / 77
p0 −0.2183 ± 0.008163
pull
Entries 78
Mean −1164
Std Dev 1207

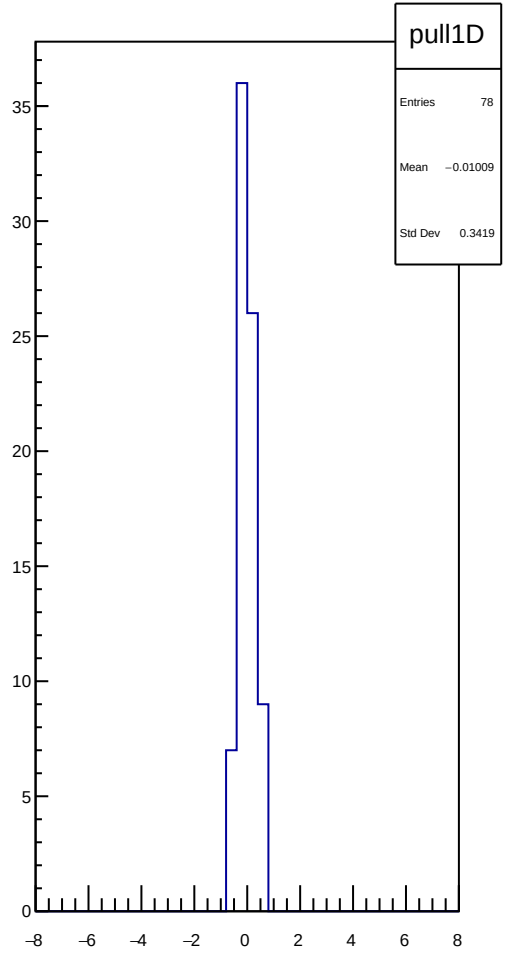

pull1D
Entries 78
Mean −0.003558
Std Dev 0.7398

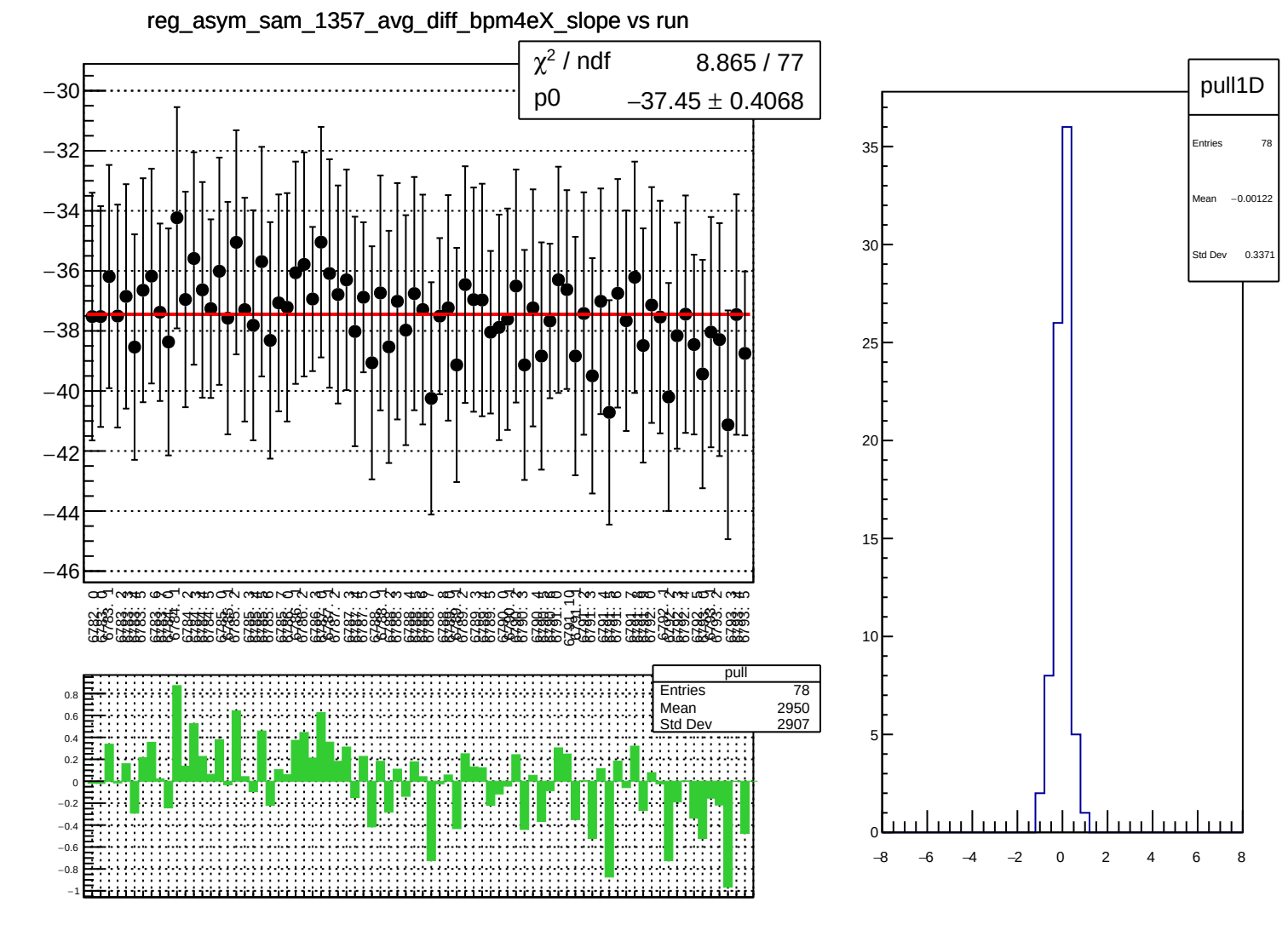

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.964 / 77
p0 −0.7459 ± 0.4356
pull
Entries 78
Mean −1.496e+04
Std Dev 1.5e+04

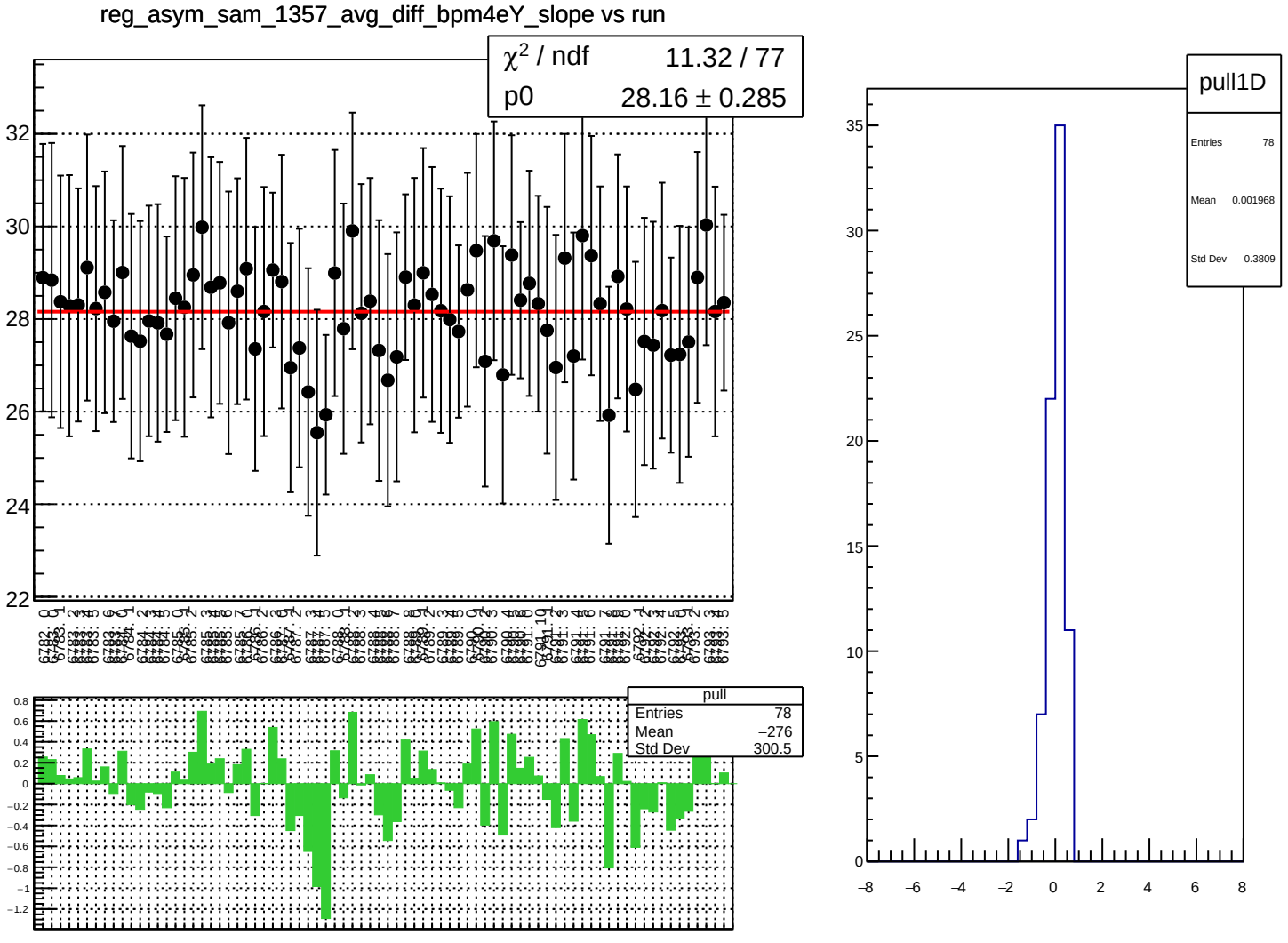

pull1D
Entries 78
Mean −0.0002256
Std Dev 0.2523

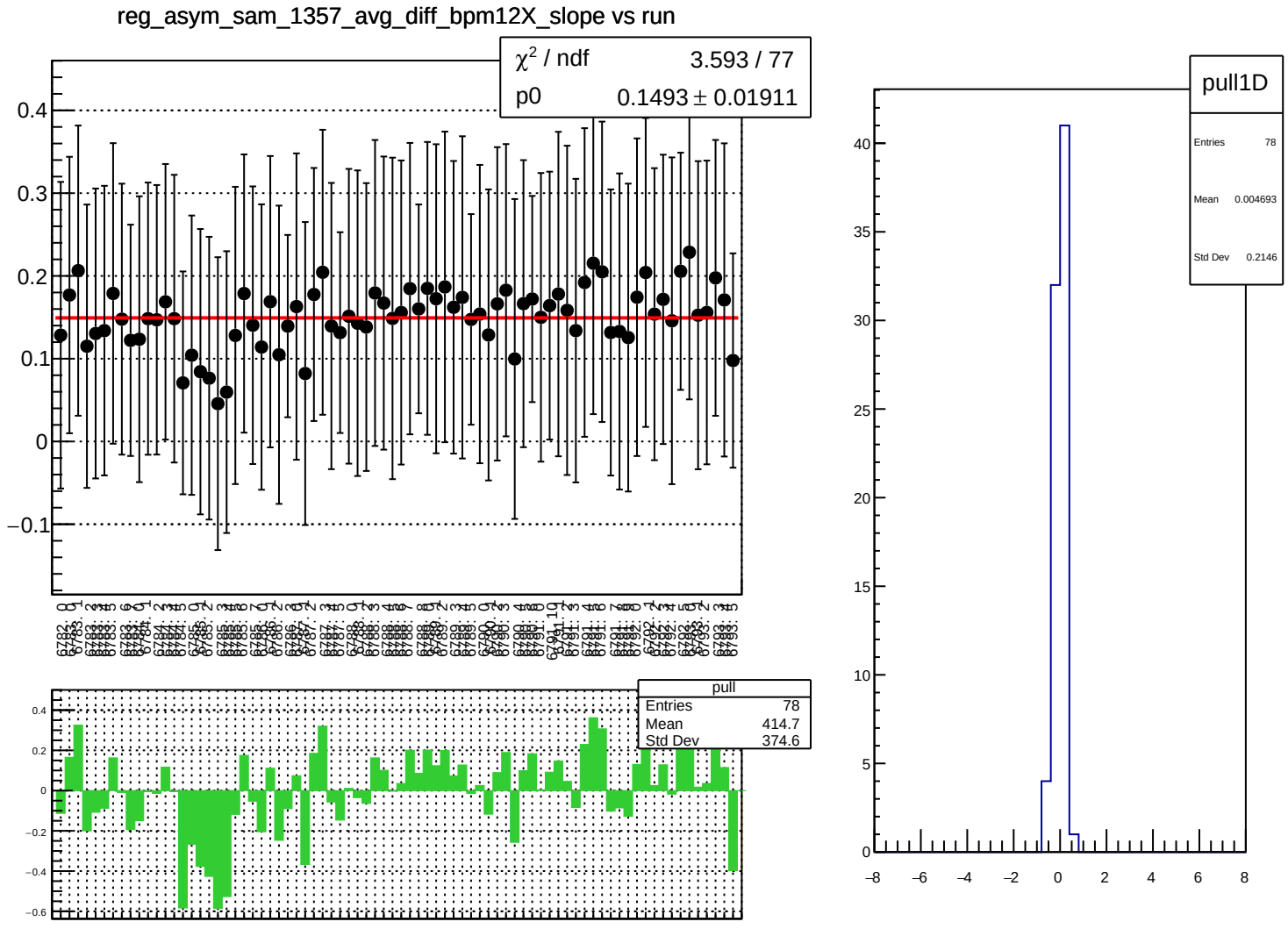
reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run

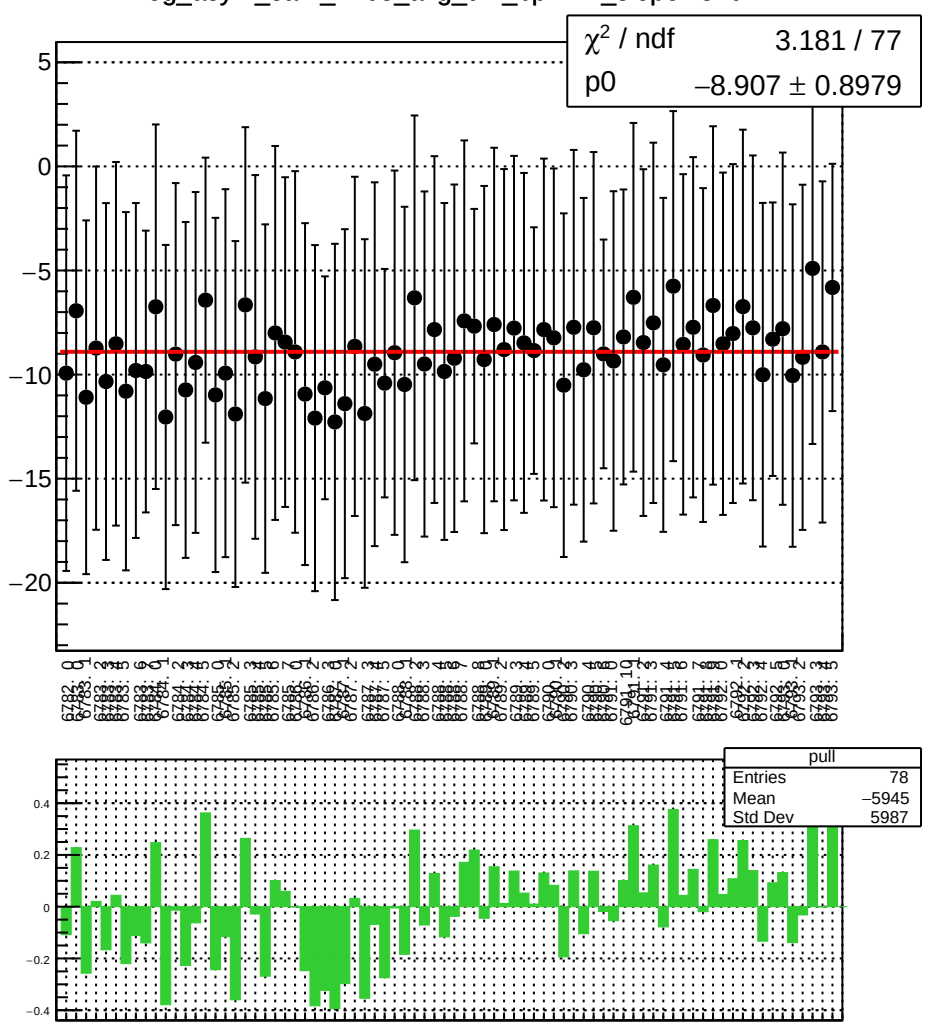


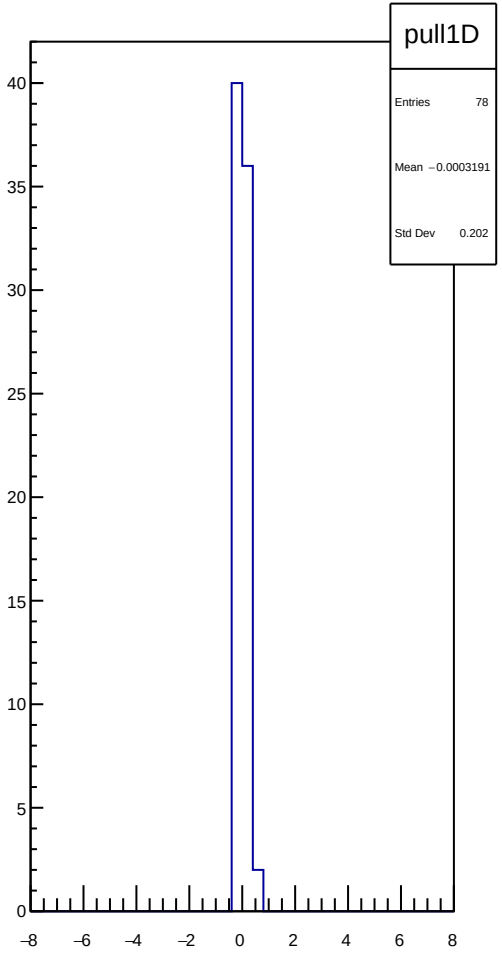


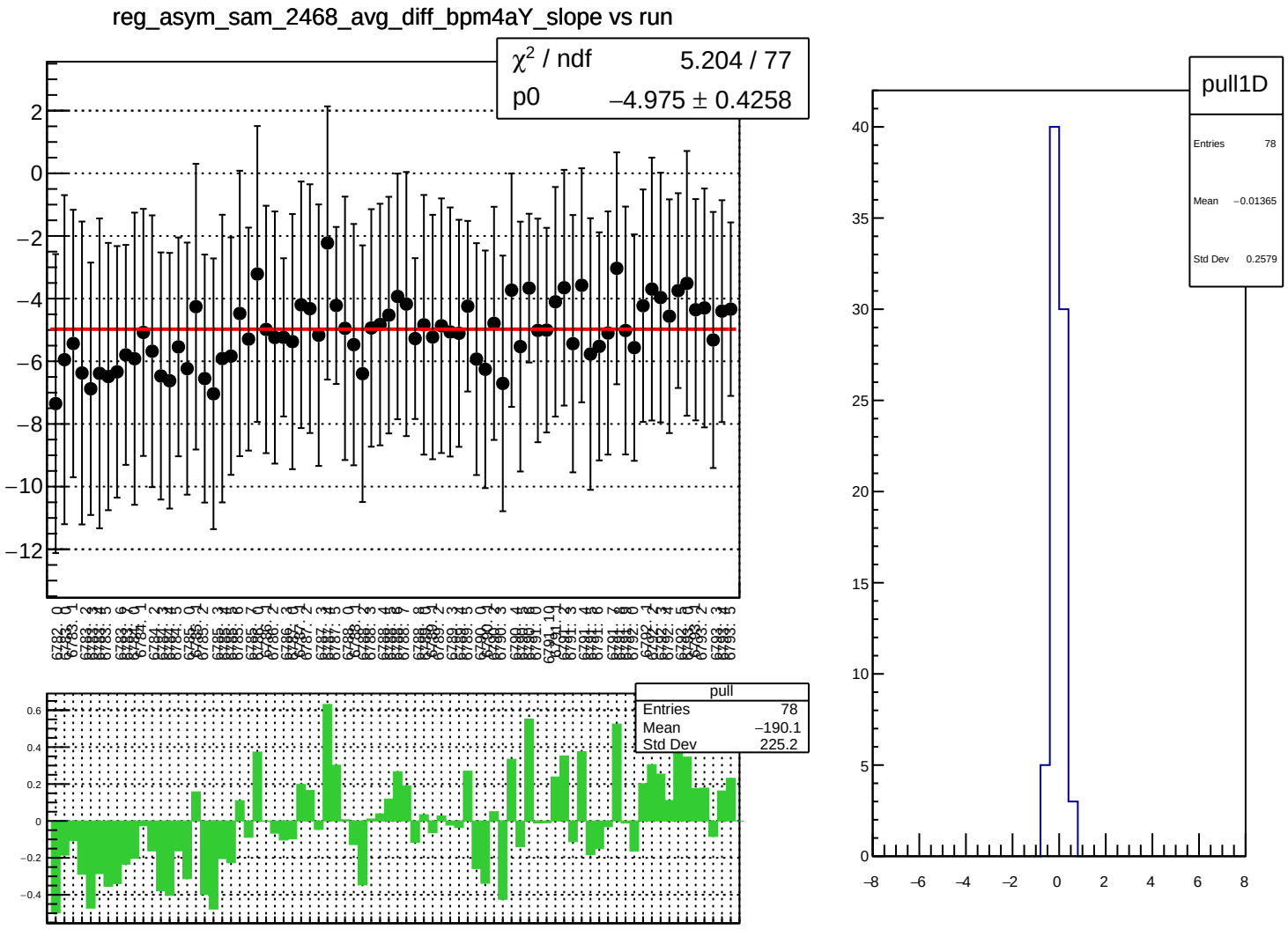

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.865 / 77
p0 −37.45 ± 0.4068
pull
Entries 78
Mean 2950
Std Dev 2907
pull1D
Entries 78
Mean −0.00122
Std Dev 0.3371

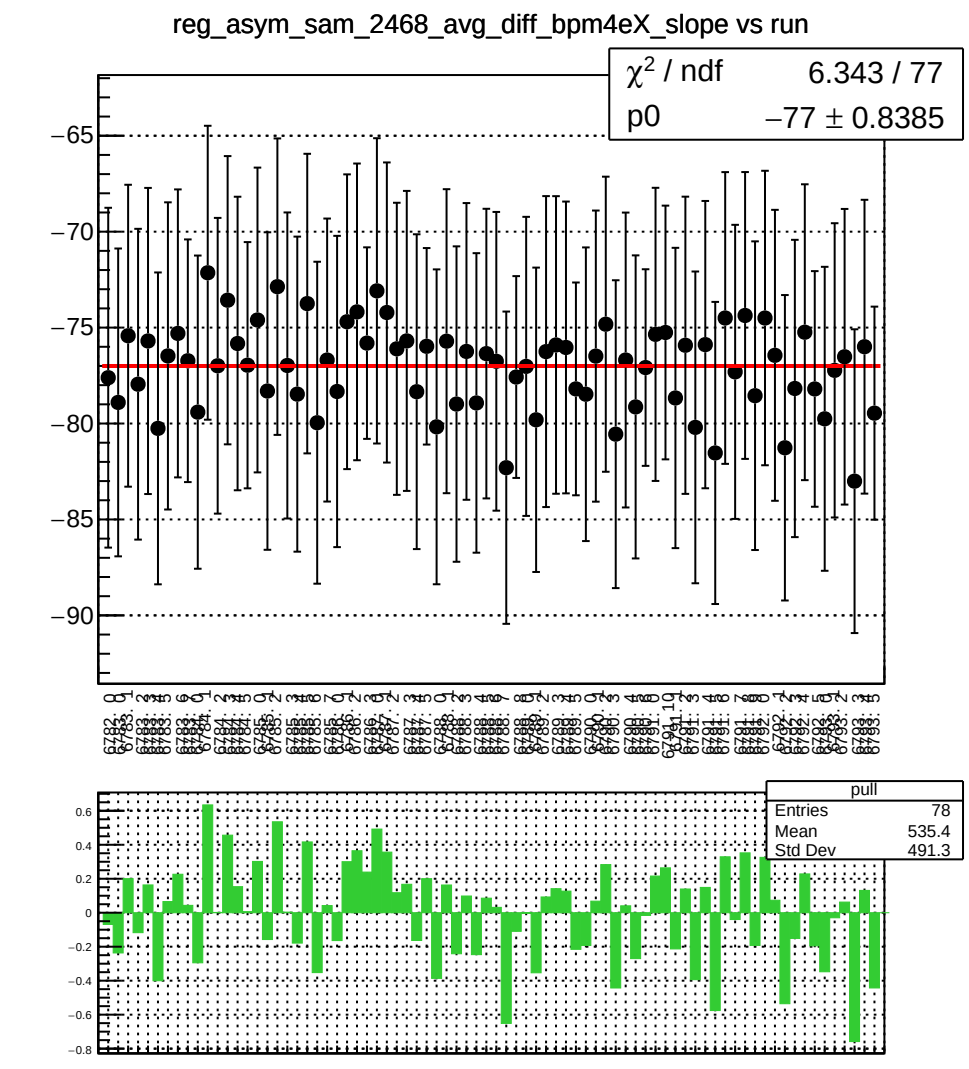

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.32 / 77
p0 28.16 ± 0.285
pull
Entries 78
Mean −276
Std Dev 300.5
pull1D
Entries 78
Mean 0.001968
Std Dev 0.3809

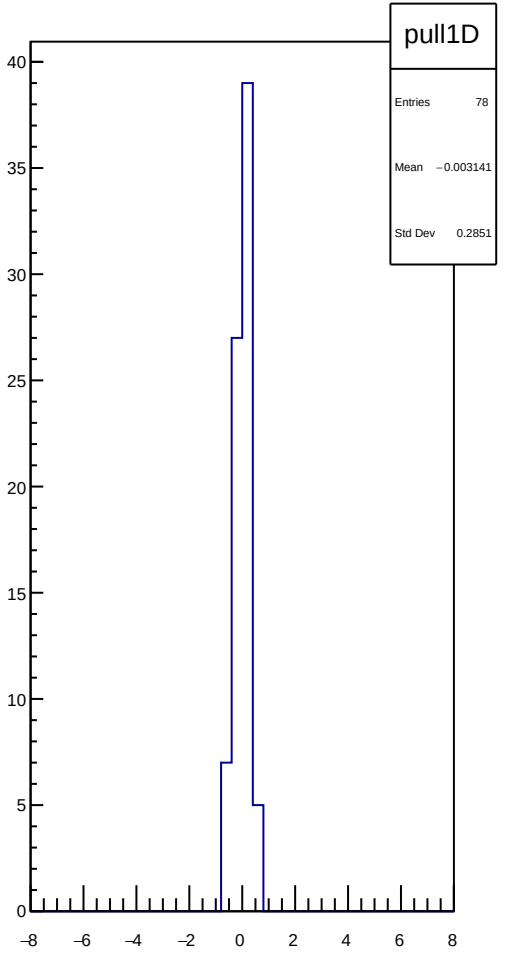

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.593 / 77
p0 0.1493 ± 0.01911
pull
Entries 78
Mean 414.7
Std Dev 374.6
pull1D
Entries 78
Mean 0.004693
Std Dev 0.2146

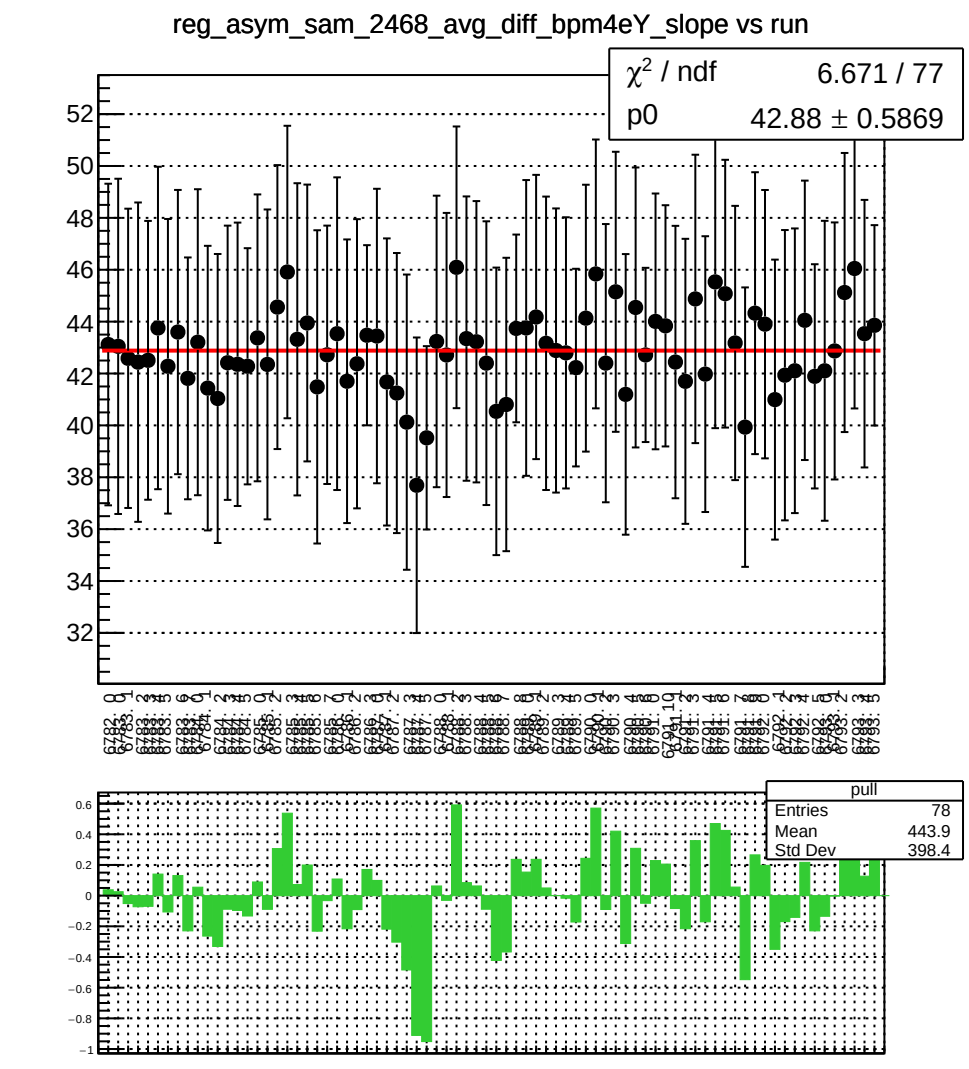

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.181 / 77
p0 −8.907 ± 0.8979
pull
Entries 78
Mean −5945
Std Dev 5987

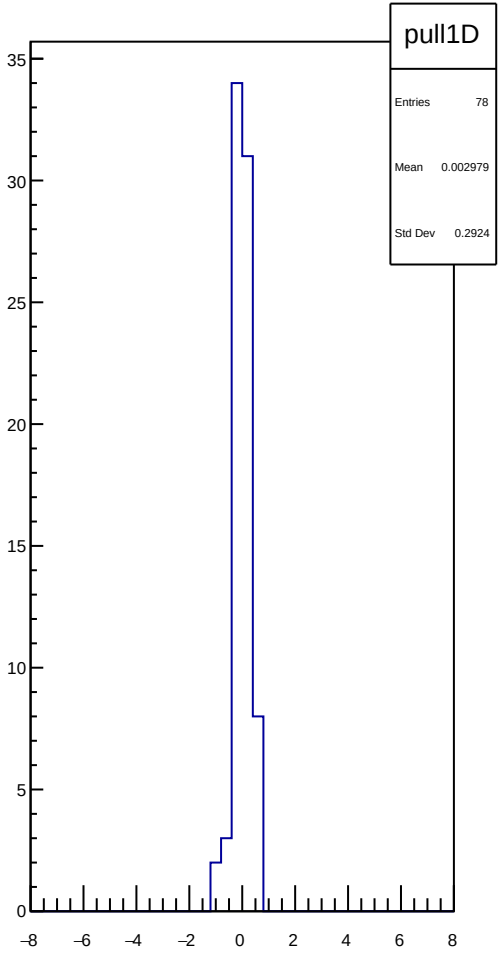

pull1D
Entries 78
Mean −0.0003191
Std Dev 0.202

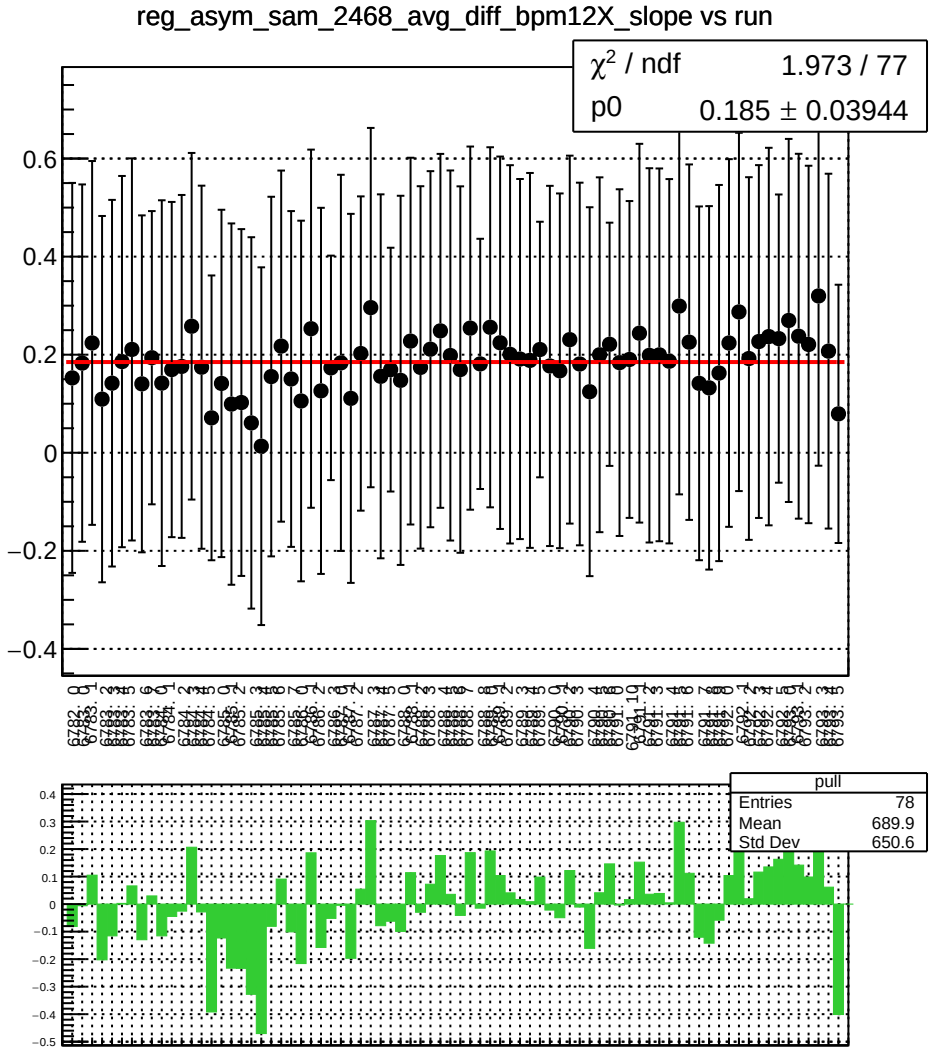

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.204 / 77
p0 −4.975 ± 0.4258
pull
Entries 78
Mean −190.1
Std Dev 225.2
pull1D
Entries 78
Mean −0.01365
Std Dev 0.2579

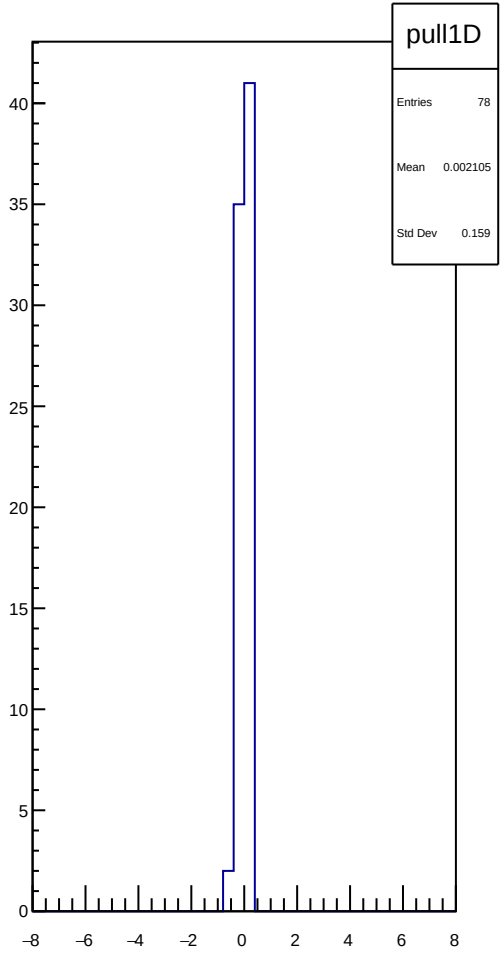

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.343 / 77
p0 −77 ± 0.8385
pull
Entries 78
Mean 535.4
Std Dev 491.3

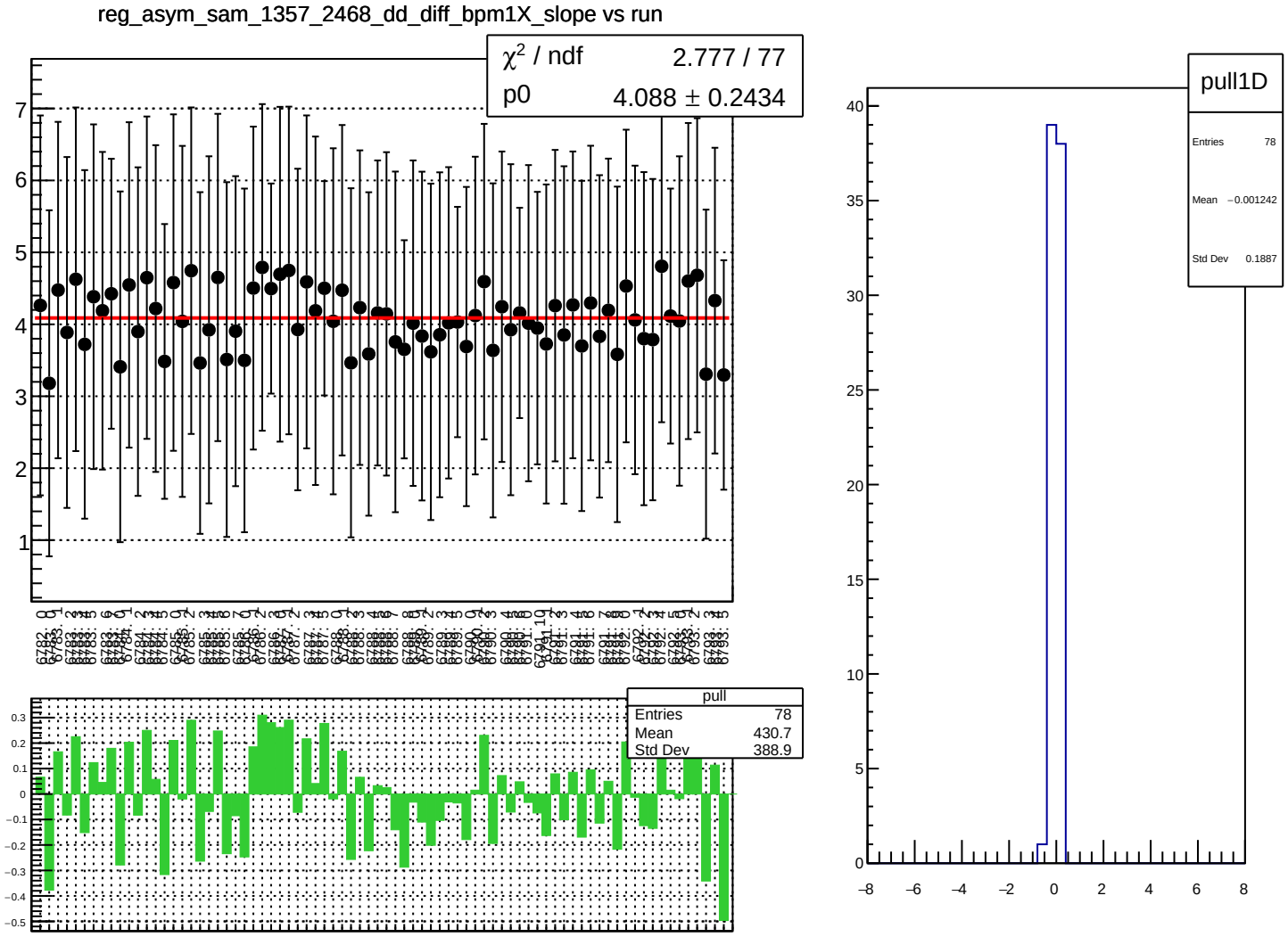

pull1D
Entries 78
Mean −0.003141
Std Dev 0.2851

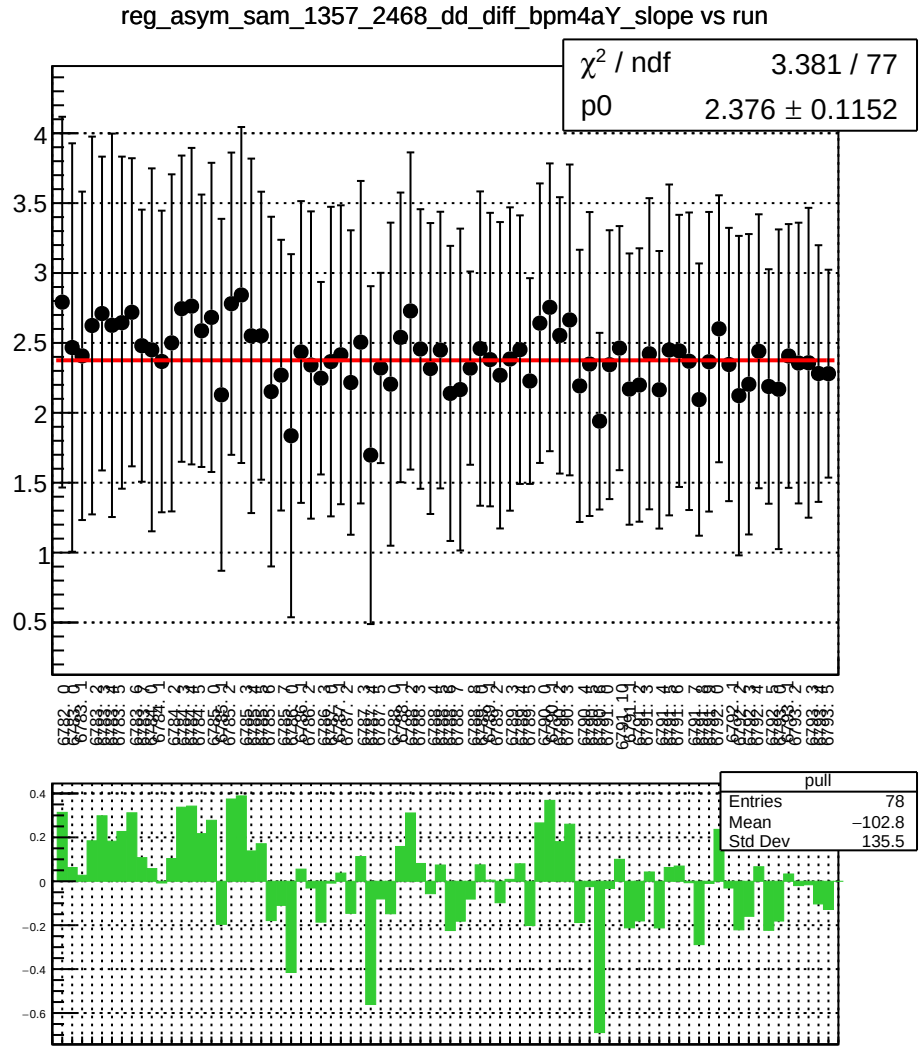

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.671 / 77
p0 42.88 ± 0.5869
pull
Entries 78
Mean 443.9
Std Dev 398.4

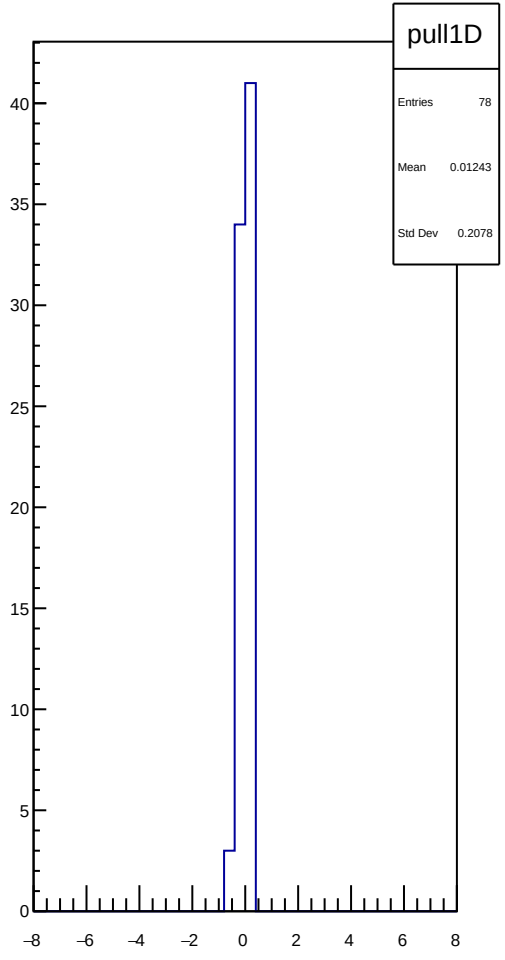

pull1D
Entries 78
Mean 0.002979
Std Dev 0.2924

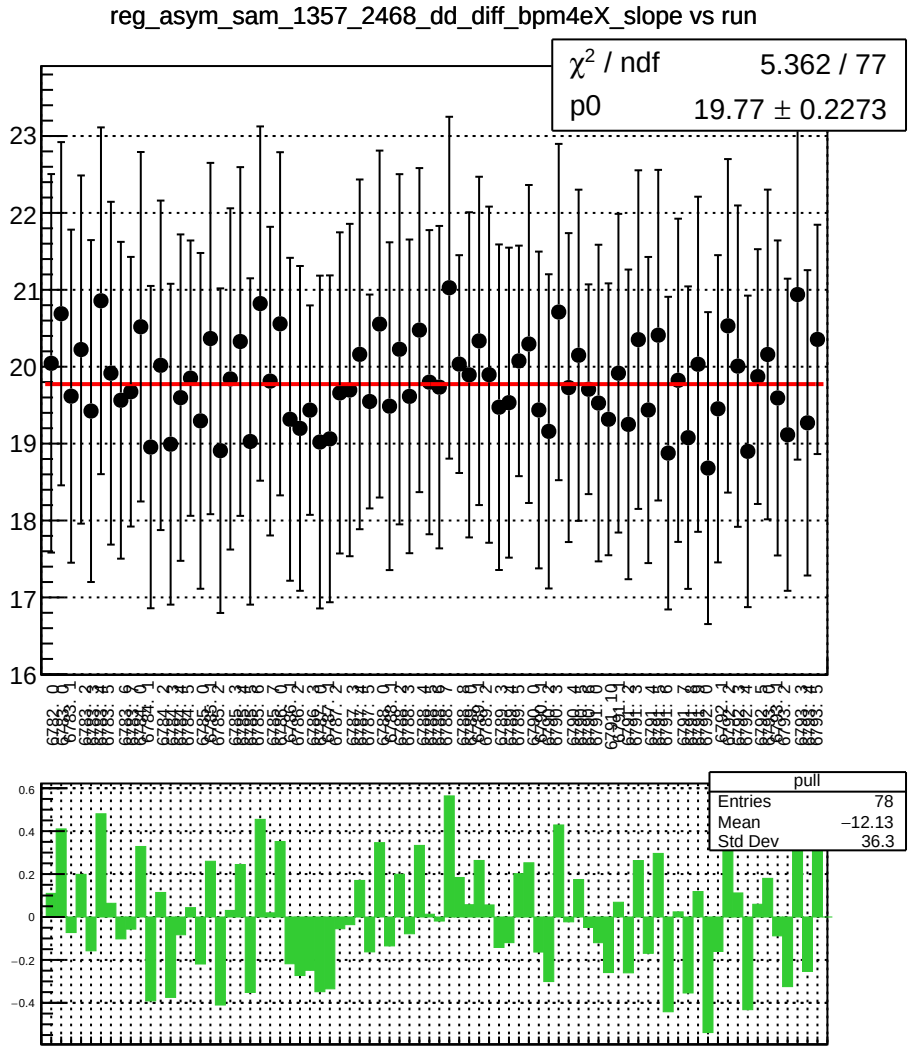

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.973 / 77
p0 0.185 ± 0.03944
pull
Entries 78
Mean 689.9
Std Dev 650.6

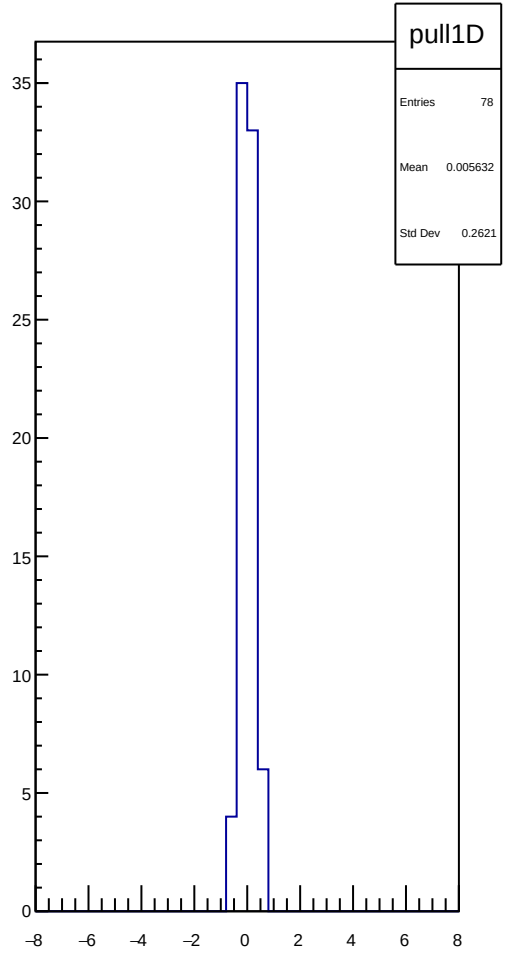

pull1D
Entries 78
Mean 0.002105
Std Dev 0.159

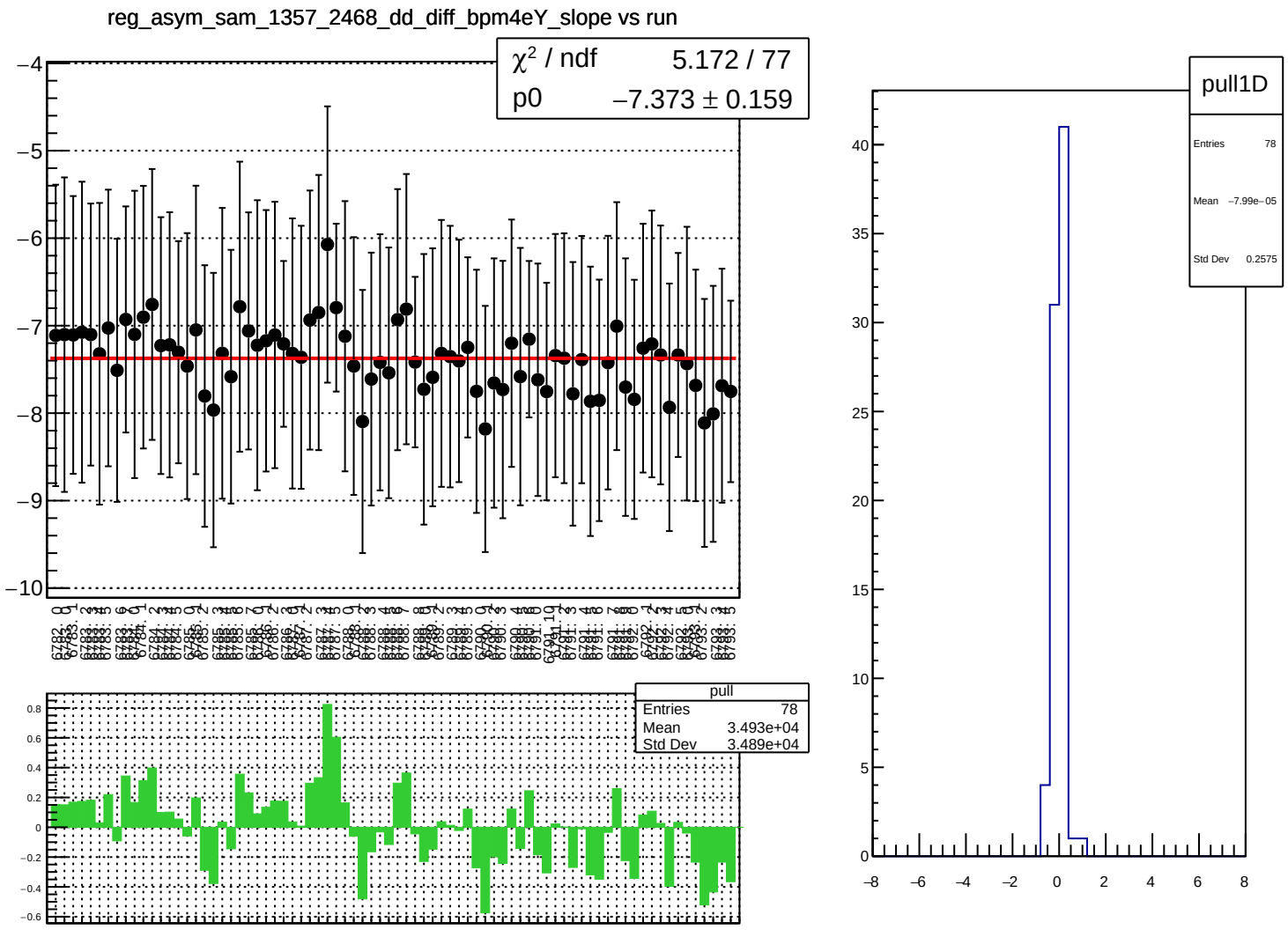

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 2.777 / 77
p0 4.088 ± 0.2434
pull
Entries 78
Mean 430.7
Std Dev 388.9
pull1D
Entries 78
Mean −0.001242
Std Dev 0.1887

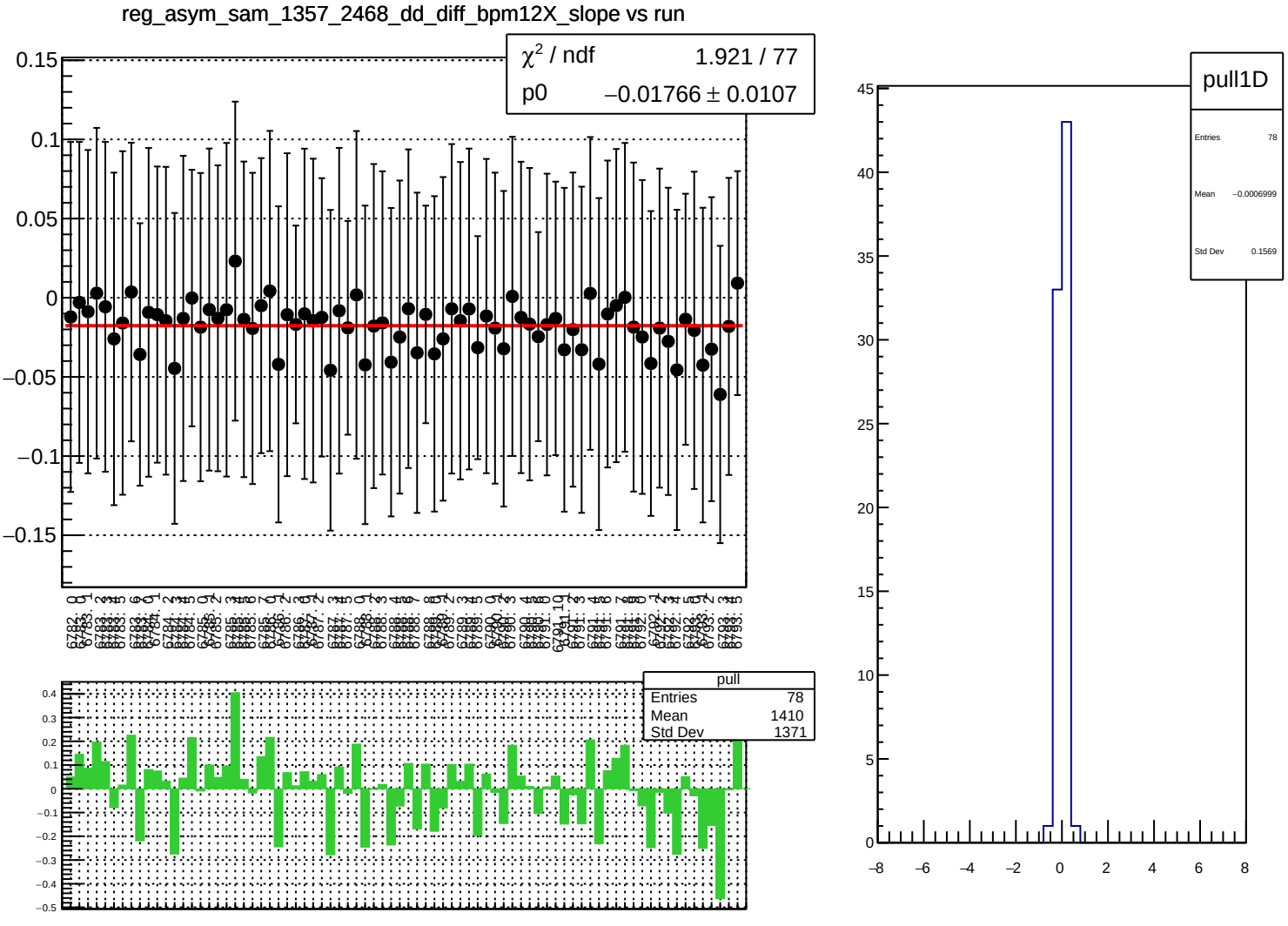

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.381 / 77
p0 2.376 ± 0.1152
pull
Entries 78
Mean −102.8
Std Dev 135.5

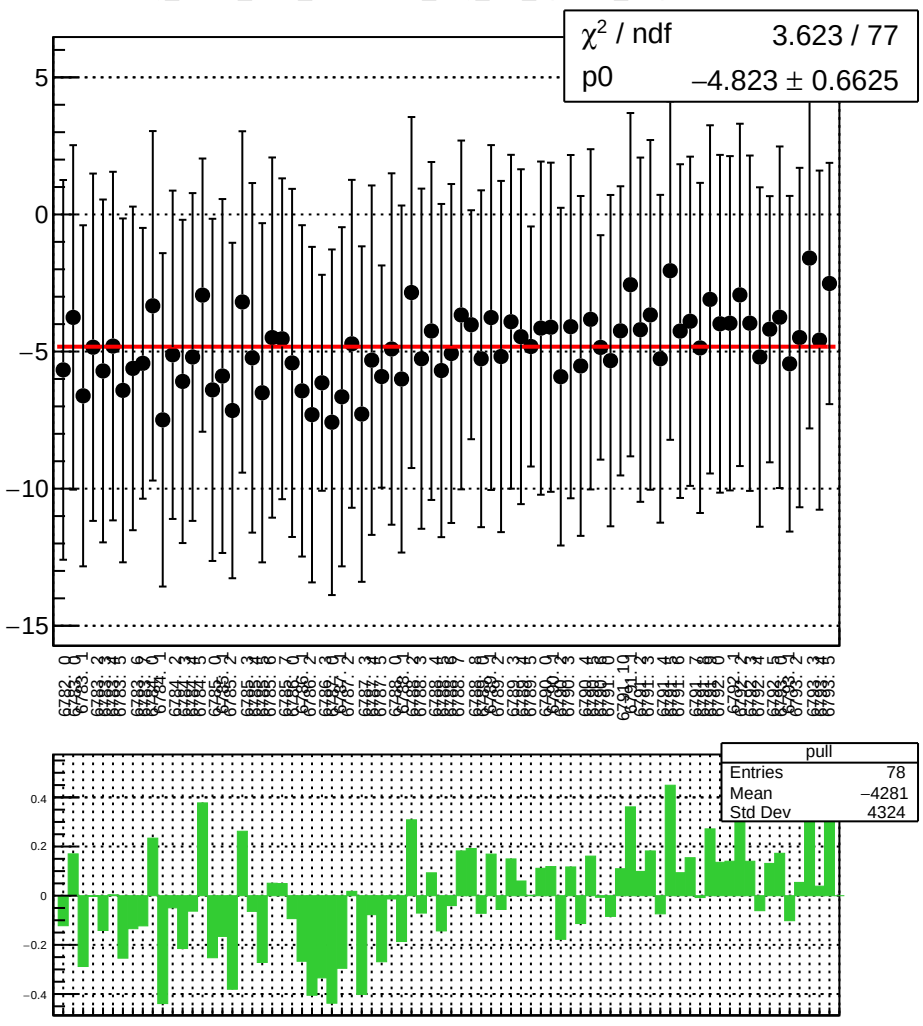

pull1D
Entries 78
Mean 0.01243
Std Dev 0.2078

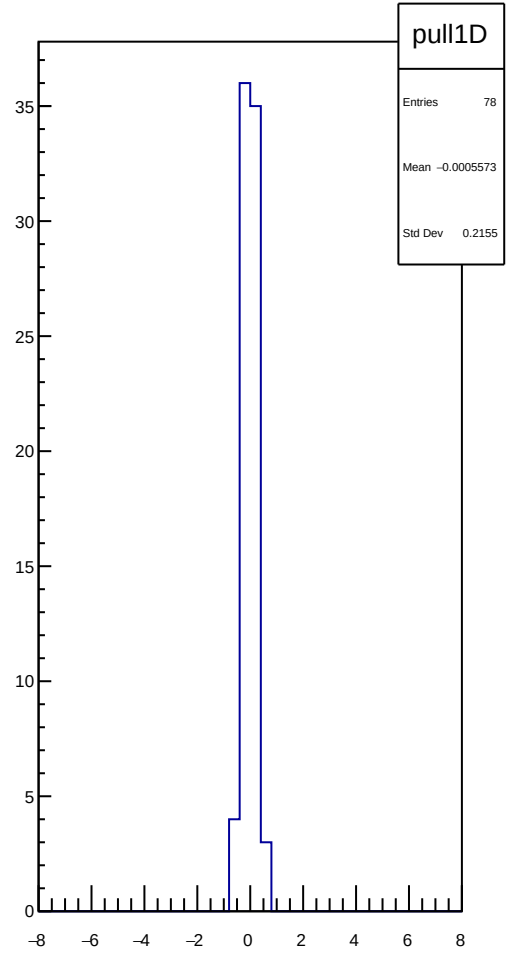

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.362 / 77
p0 19.77 ± 0.2273
pull
Entries 78
Mean −12.13
Std Dev 36.3

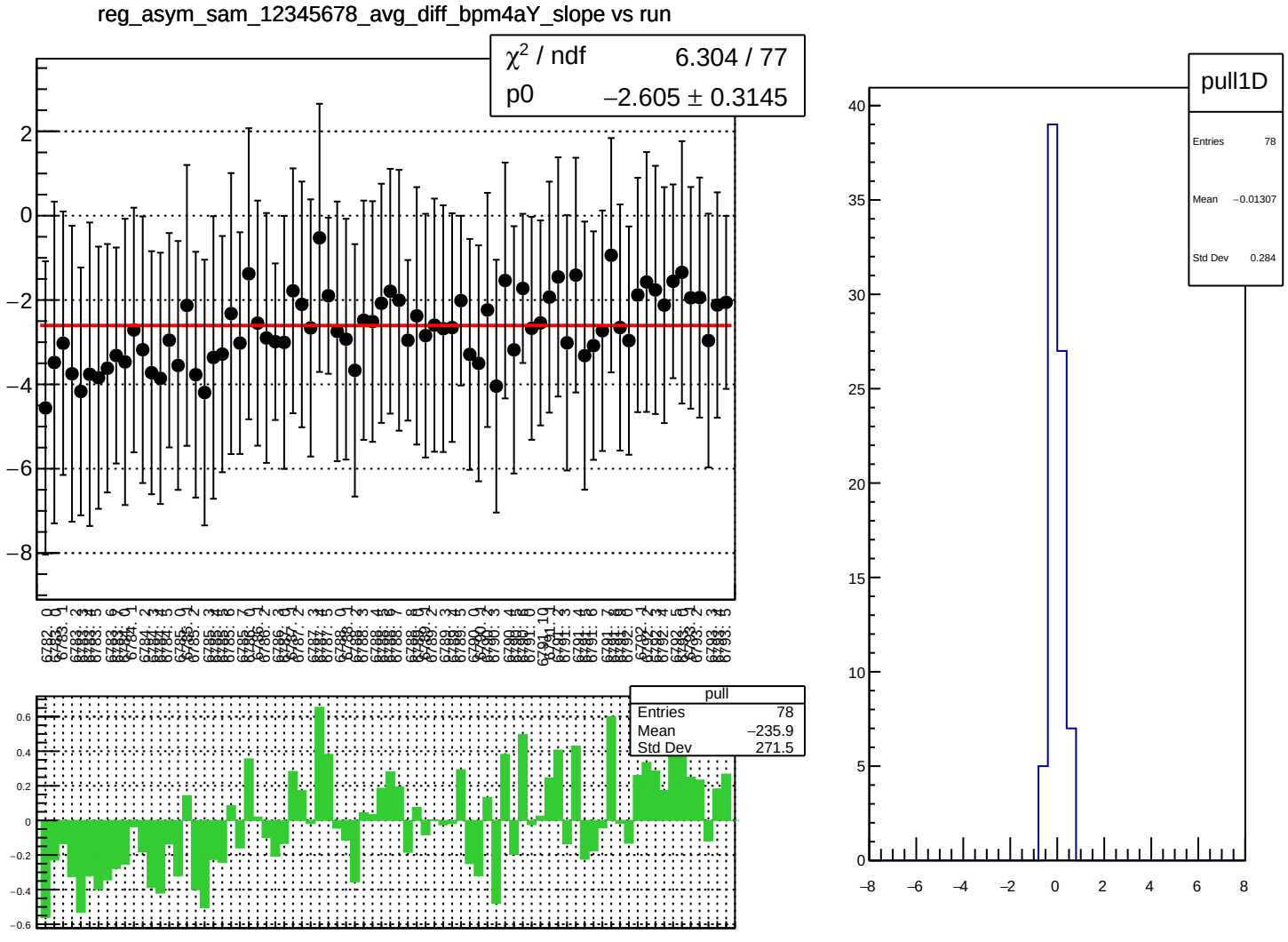

pull1D
Entries 78
Mean 0.005632
Std Dev 0.2621

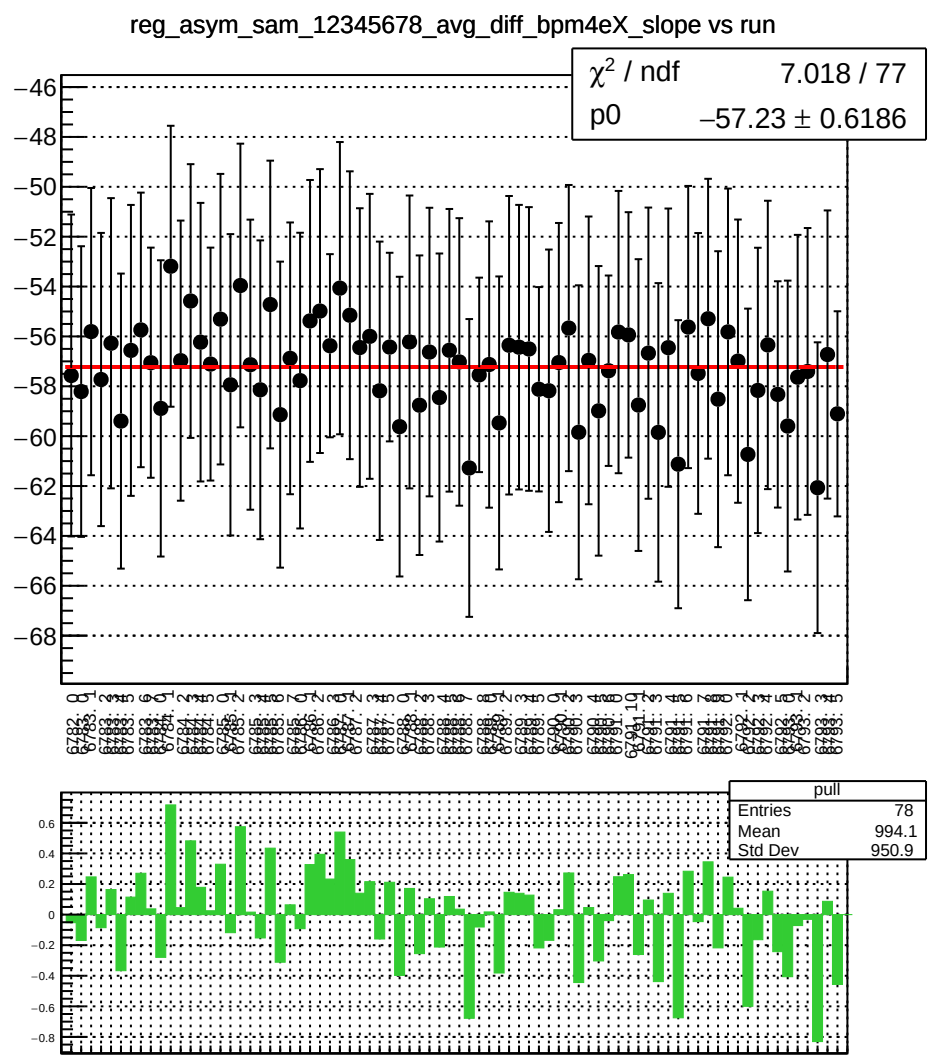

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.172 / 77
p0 −7.373 ± 0.159
pull
Entries 78
Mean 3.493e+04
Std Dev 3.489e+04
pull1D
Entries 78
Mean −7.99e−05
Std Dev 0.2575

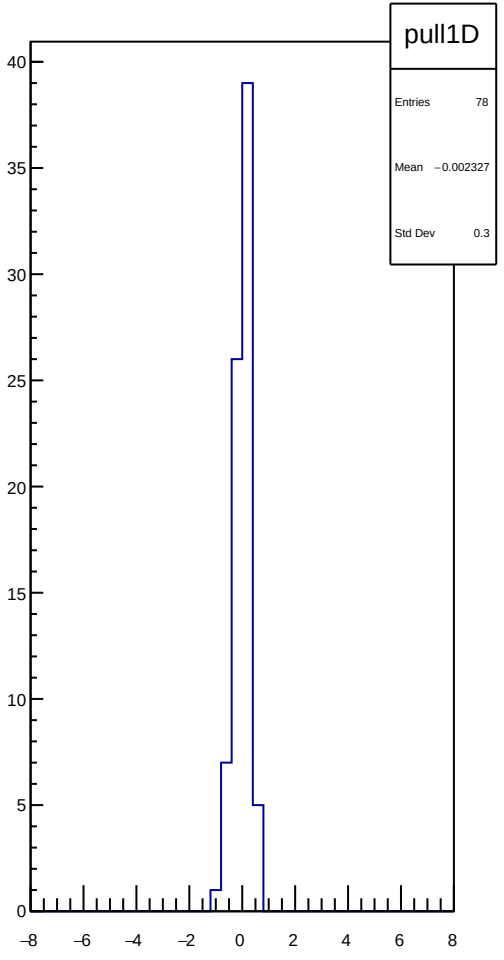

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.921 / 77
p0 −0.01766 ± 0.0107
pull
Entries 78
Mean 1410
Std Dev 1371
pull1D
Entries 78
Mean −0.0006999
Std Dev 0.1569

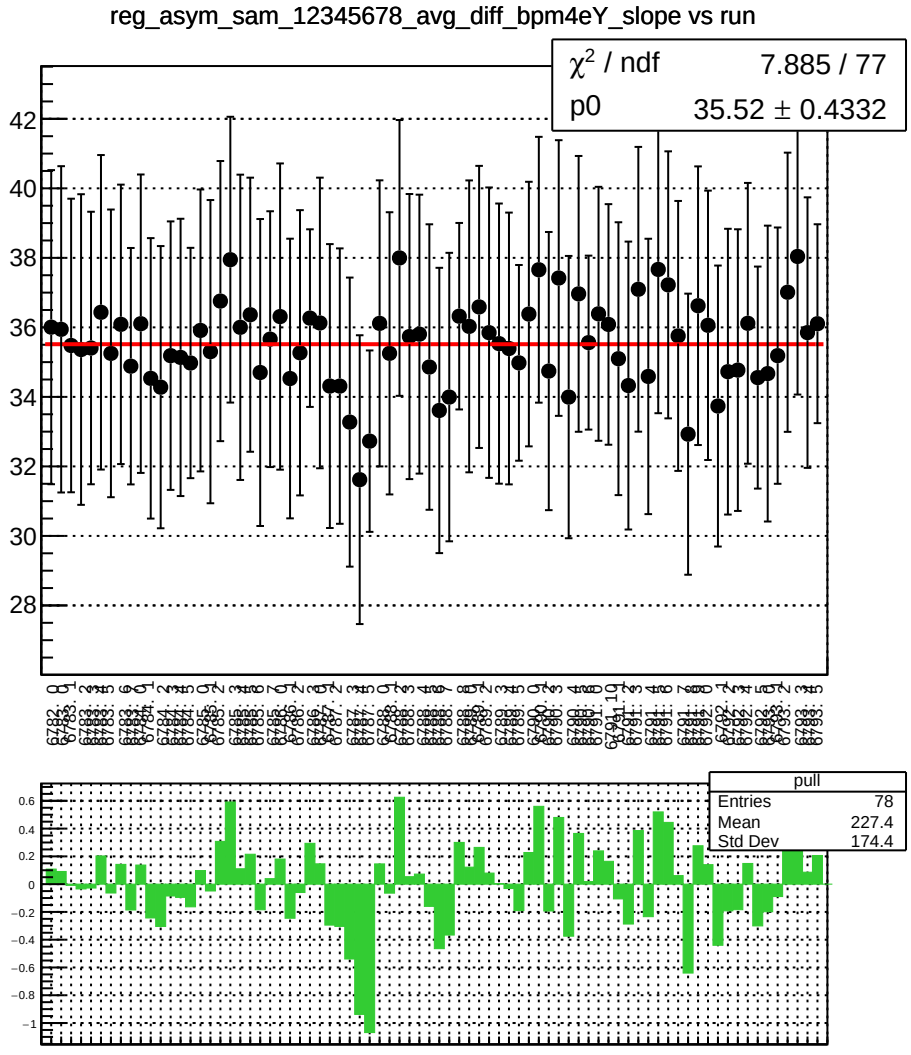

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.623 / 77
p0 −4.823 ± 0.6625
pull
Entries 78
Mean −4281
Std Dev 4324

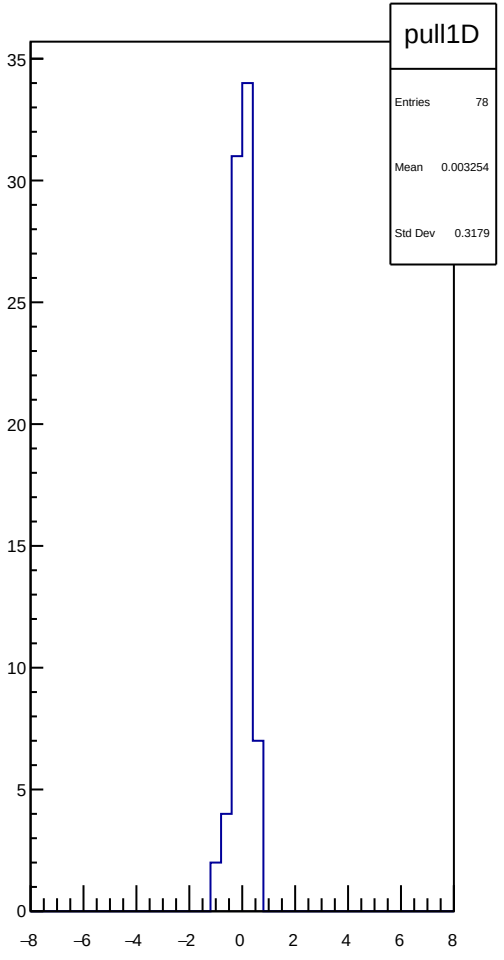

pull1D
Entries 78
Mean −0.0005573
Std Dev 0.2155

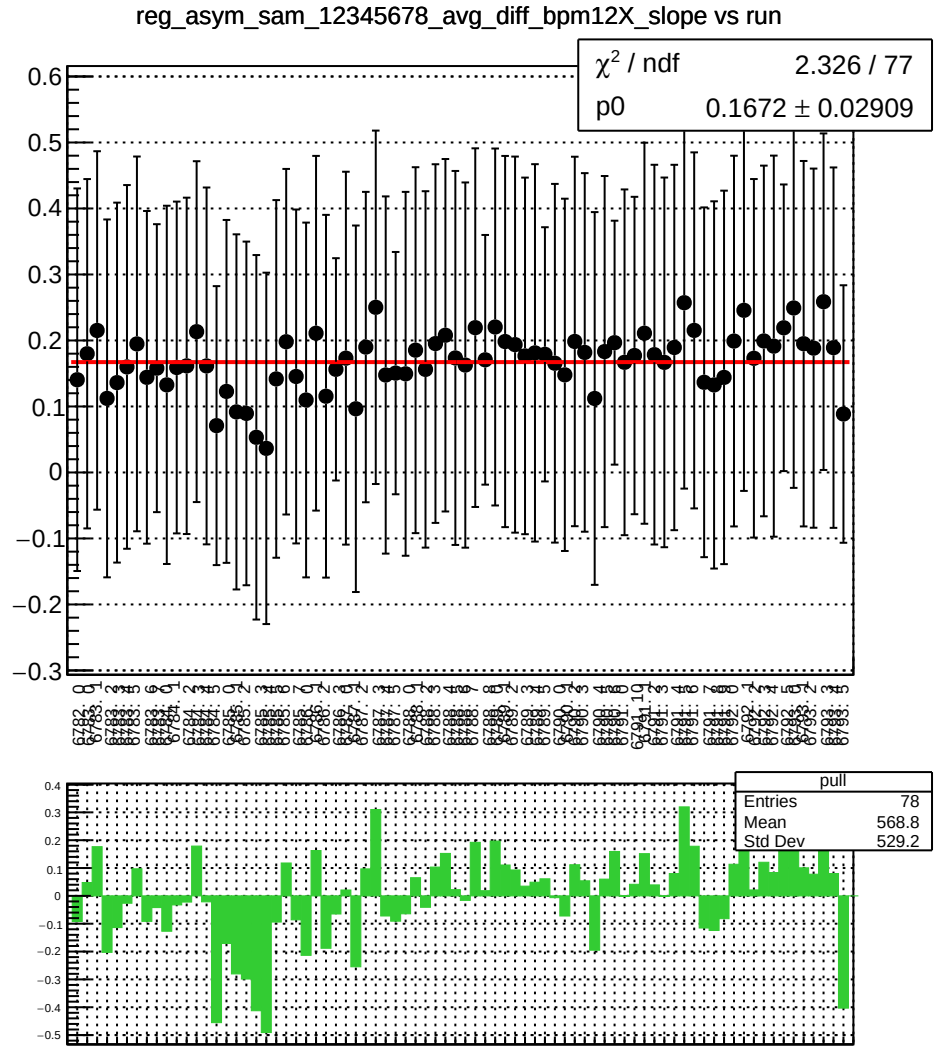

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.304 / 77
p0 −2.605 ± 0.3145
pull
Entries 78
Mean −235.9
Std Dev 271.5
pull1D
Entries 78
Mean −0.01307
Std Dev 0.284

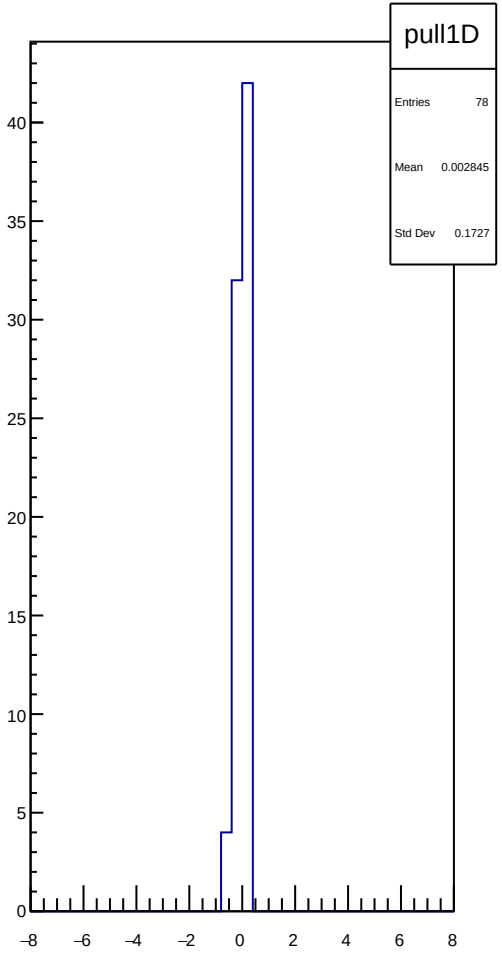

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.018 / 77
p0 −57.23 ± 0.6186
pull
Entries 78
Mean 994.1
Std Dev 950.9

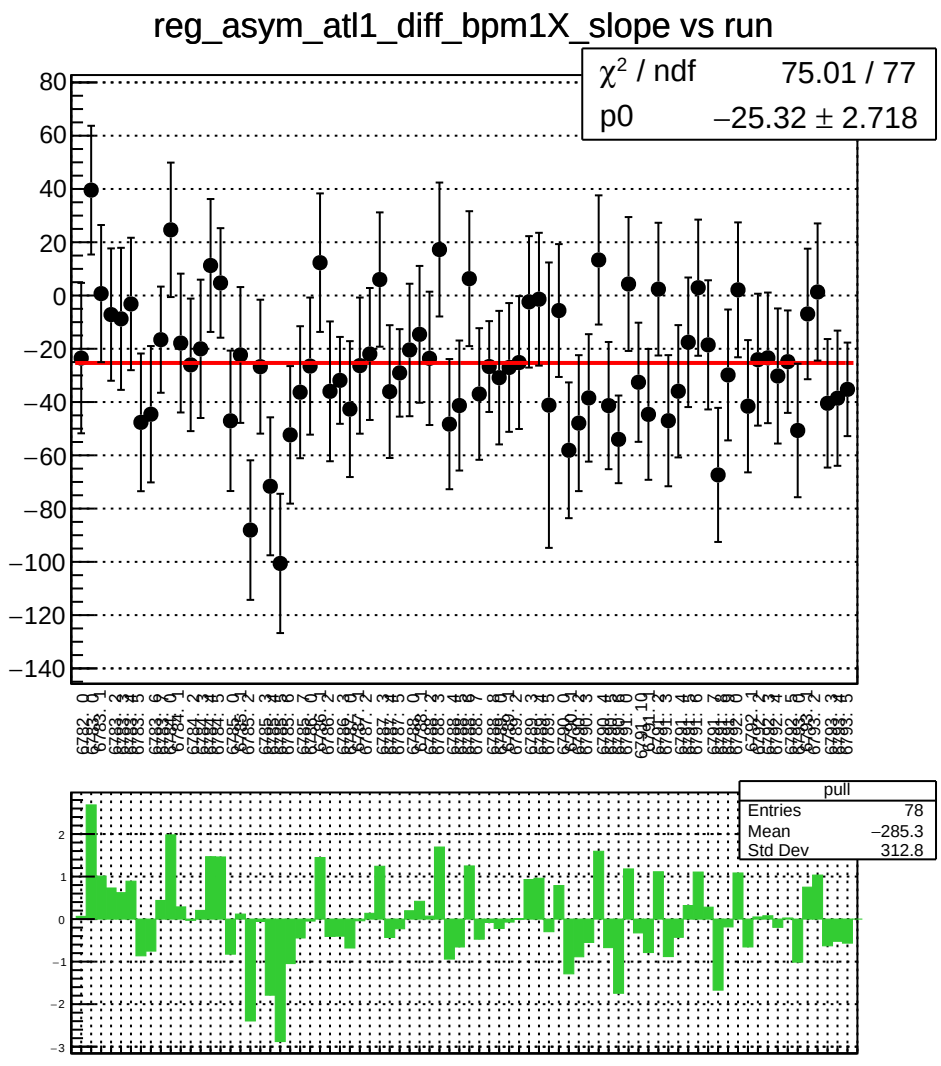

pull1D
Entries 78
Mean −0.002327
Std Dev 0.3

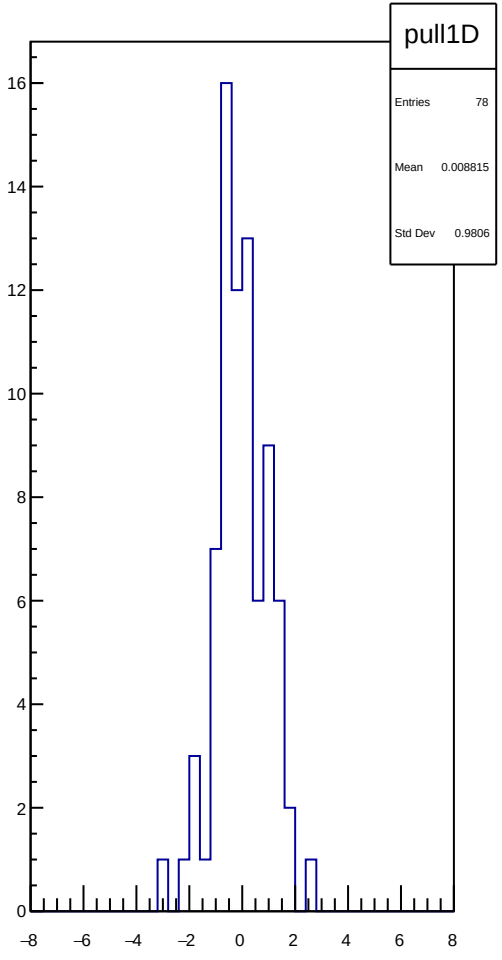

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.885 / 77
p0 35.52 ± 0.4332
pull
Entries 78
Mean 227.4
Std Dev 174.4

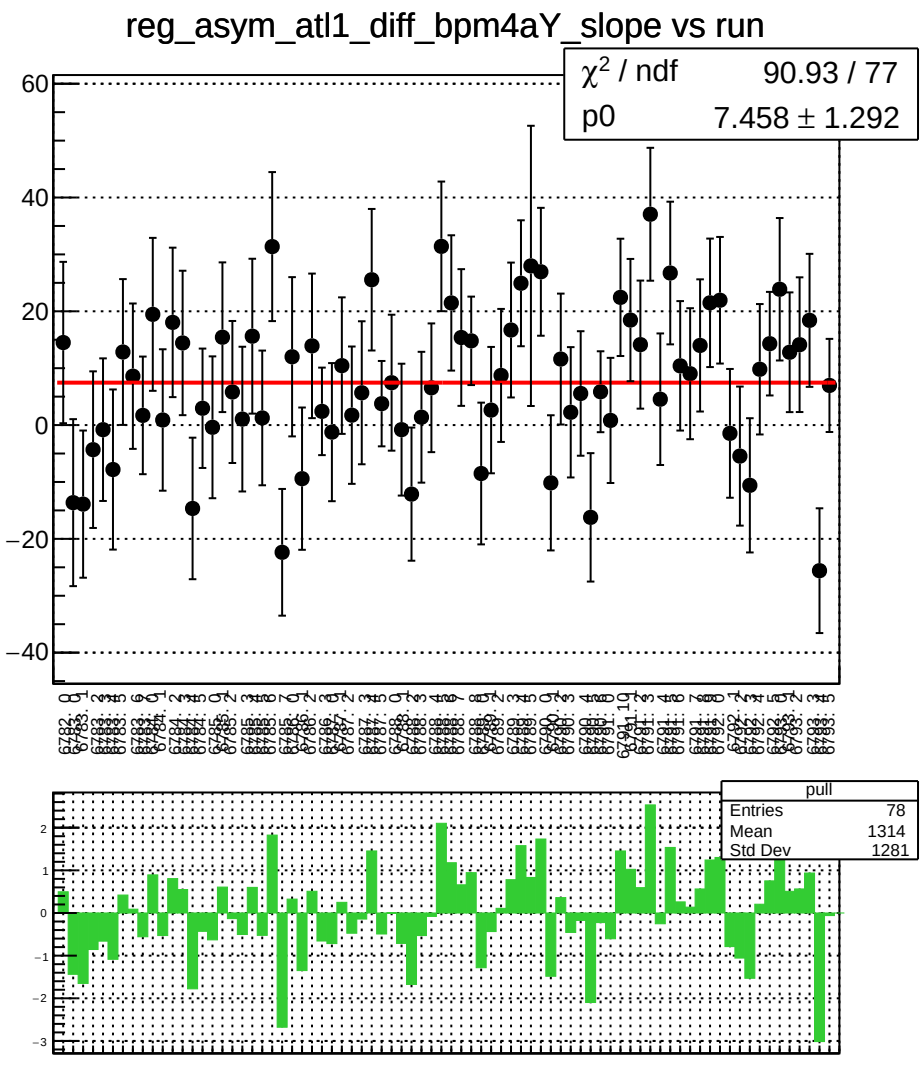

pull1D
Entries 78
Mean 0.003254
Std Dev 0.3179

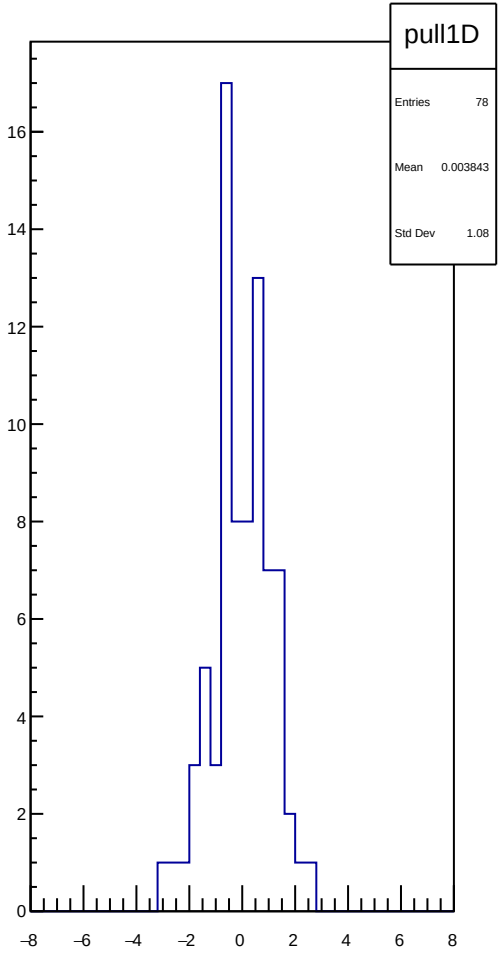

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.326 / 77
p0 0.1672 ± 0.02909
pull
Entries 78
Mean 568.8
Std Dev 529.2

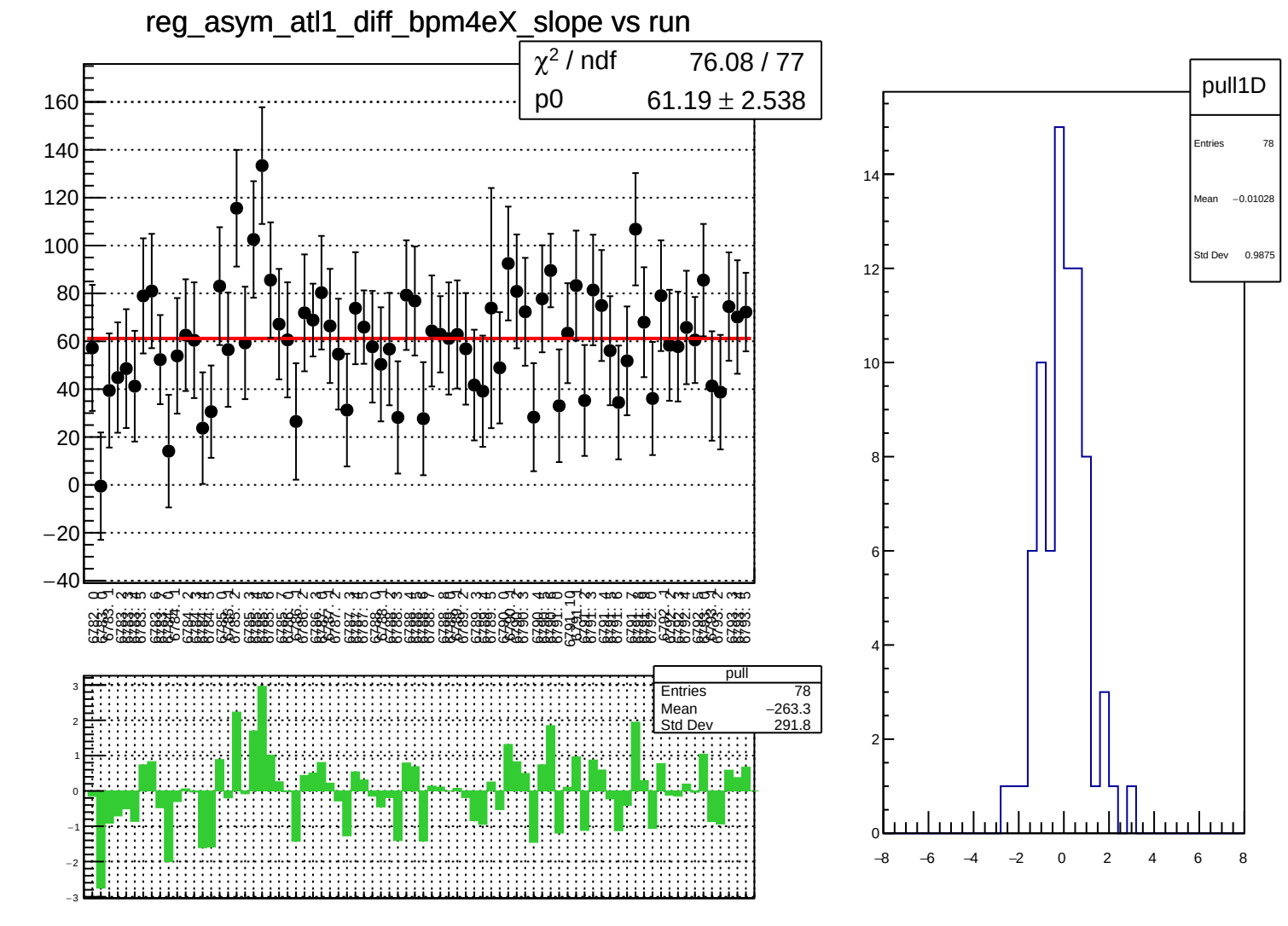

pull1D
Entries 78
Mean 0.002845
Std Dev 0.1727

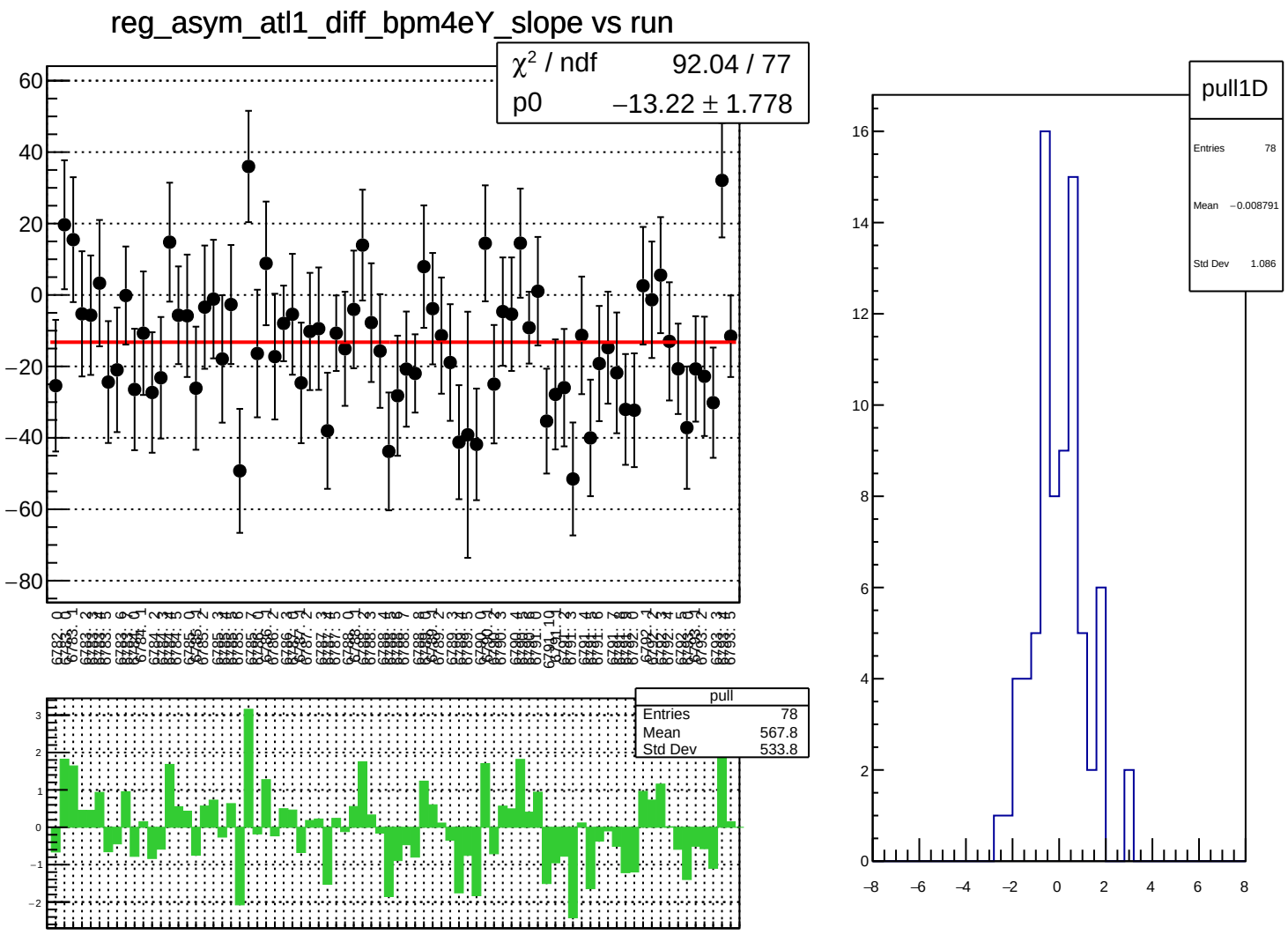

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 75.01 / 77
p0 −25.32 ± 2.718
pull
Entries 78
Mean −285.3
Std Dev 312.8

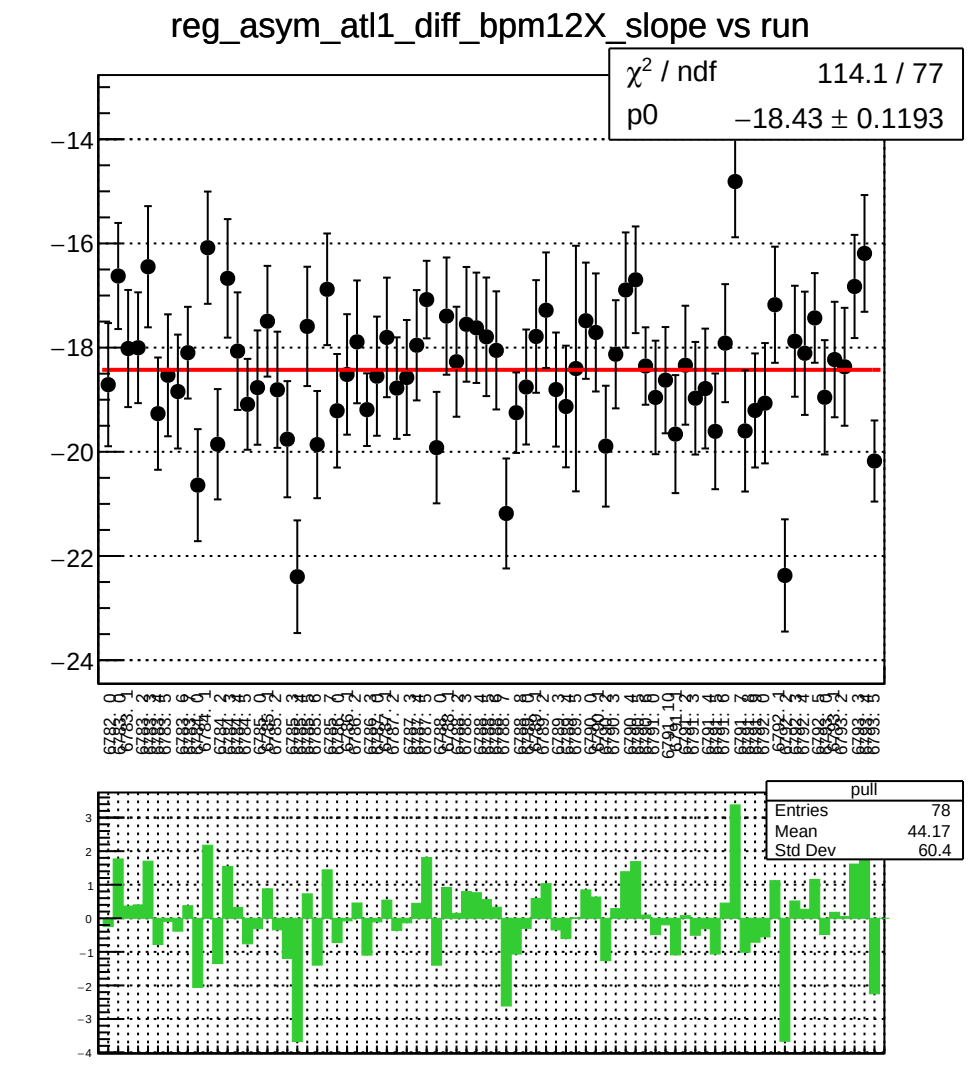

pull1D
Entries 78
Mean 0.008815
Std Dev 0.9806

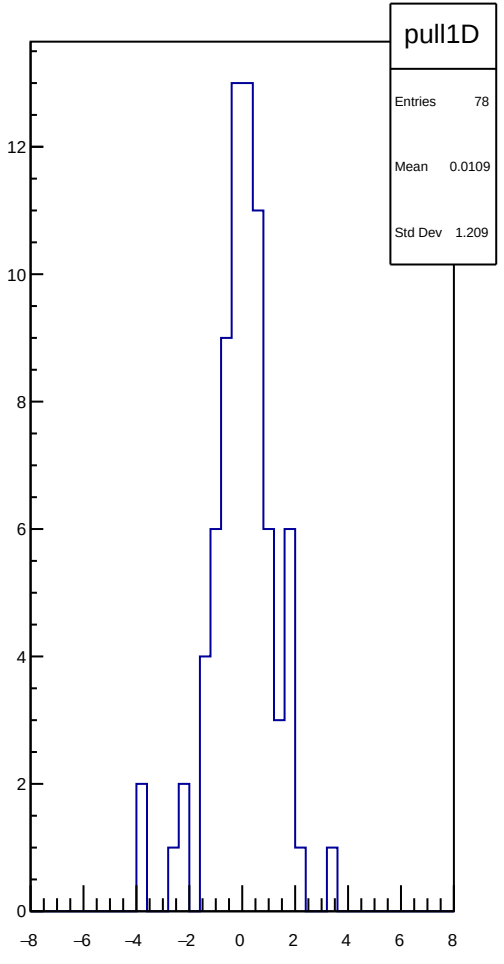

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 90.93 / 77
p0 7.458 ± 1.292
pull
Entries 78
Mean 1314
Std Dev 1281

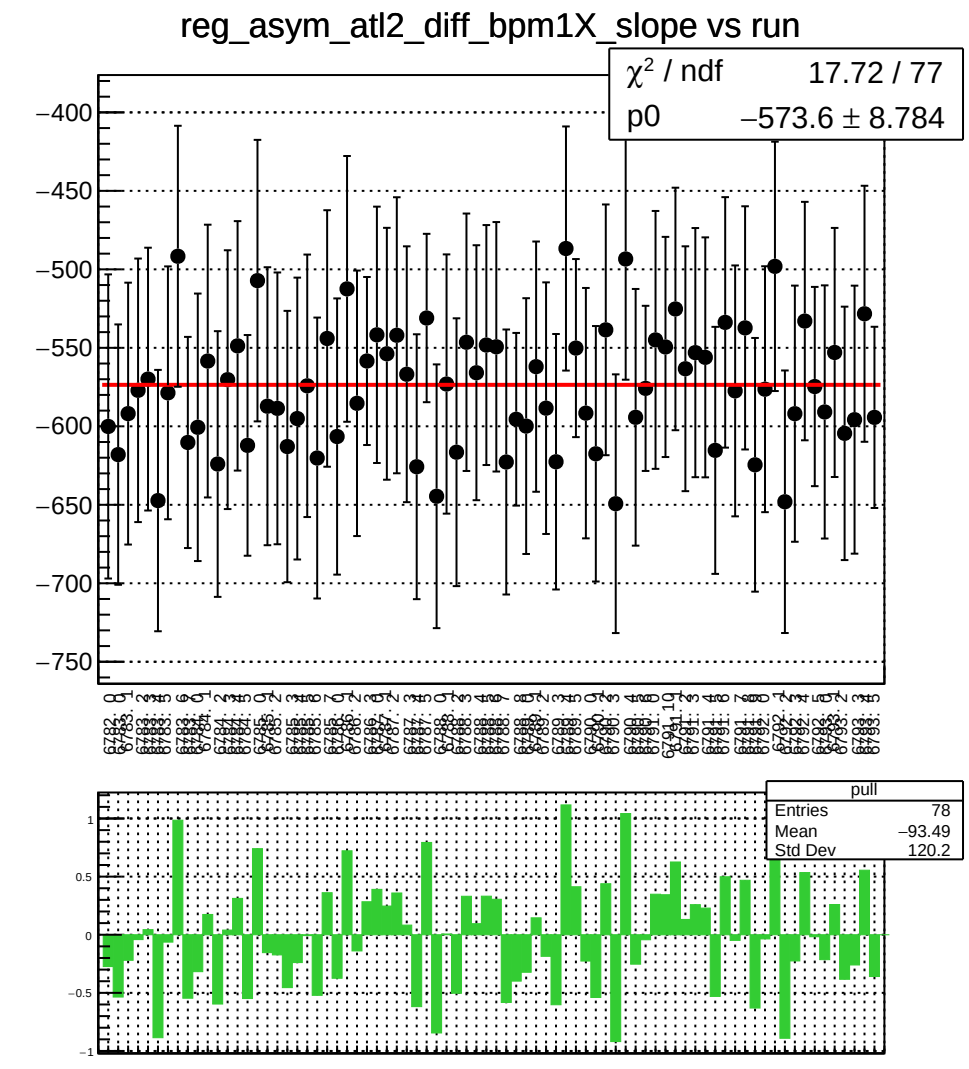

pull1D
Entries 78
Mean 0.003843
Std Dev 1.08

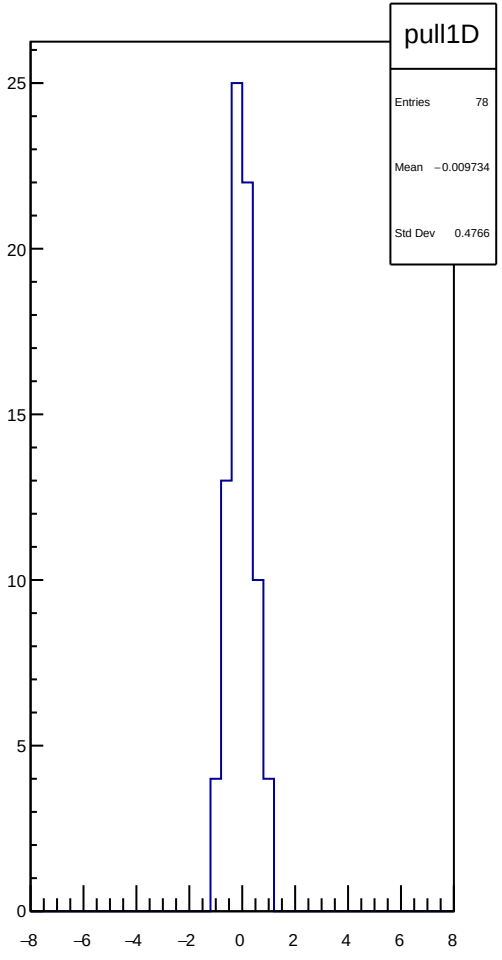

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 76.08 / 77
p0 61.19 ± 2.538
pull
Entries 78
Mean −263.3
Std Dev 291.8
pull1D
Entries 78
Mean −0.01028
Std Dev 0.9875

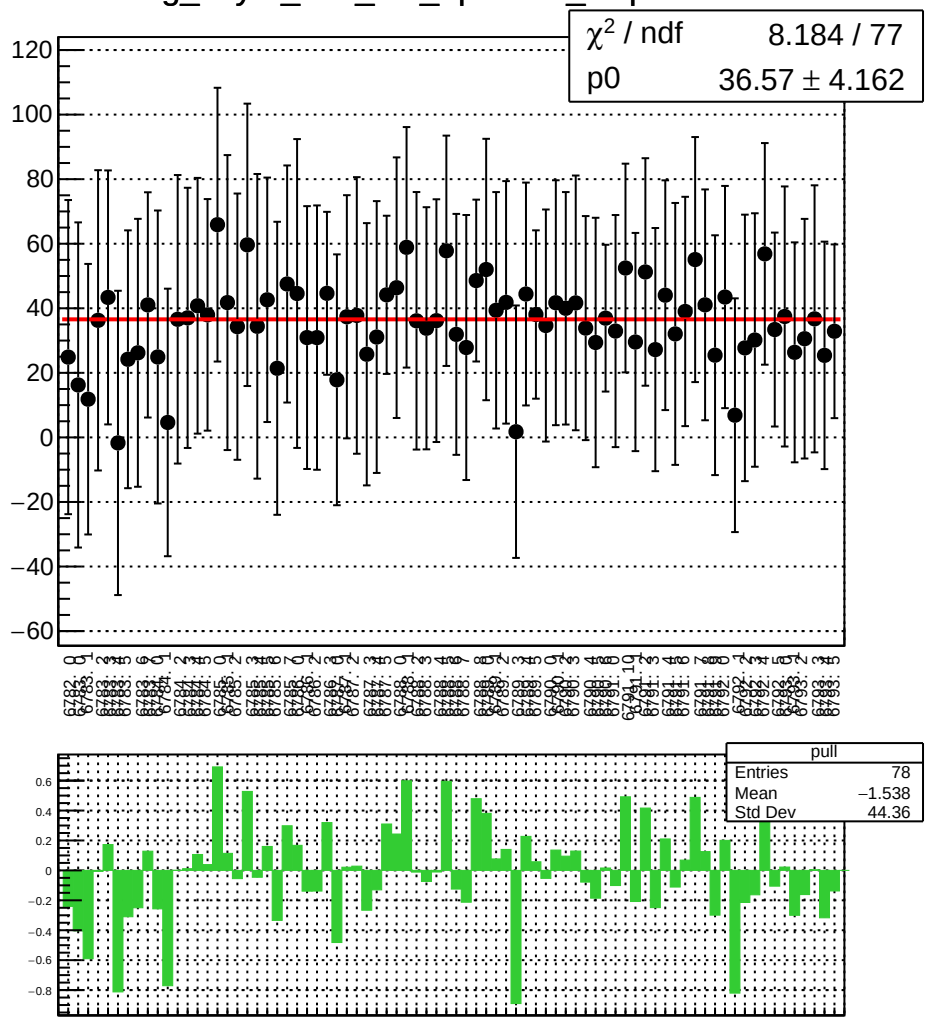

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 92.04 / 77
p0 −13.22 ± 1.778
pull
Entries 78
Mean 567.8
Std Dev 533.8
pull1D
Entries 78
Mean −0.008791
Std Dev 1.086

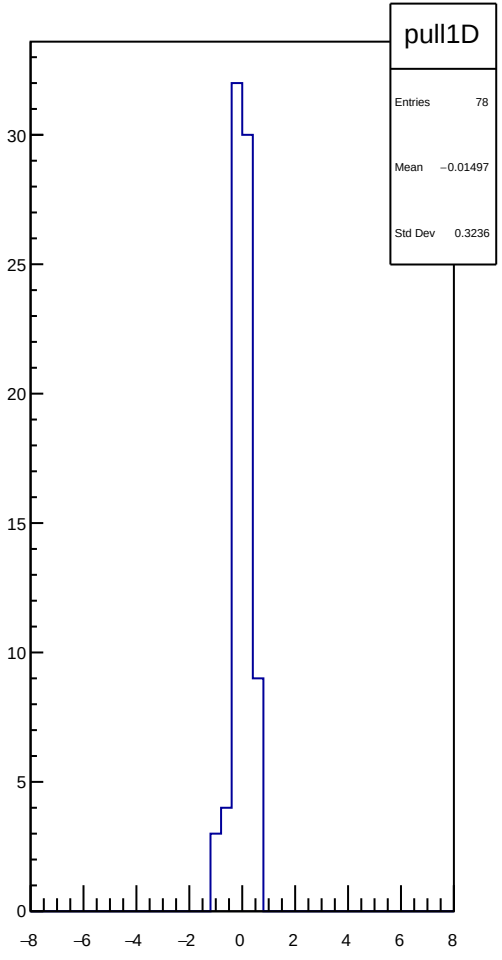

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 114.1 / 77
p0 −18.43 ± 0.1193
pull
Entries 78
Mean 44.17
Std Dev 60.4

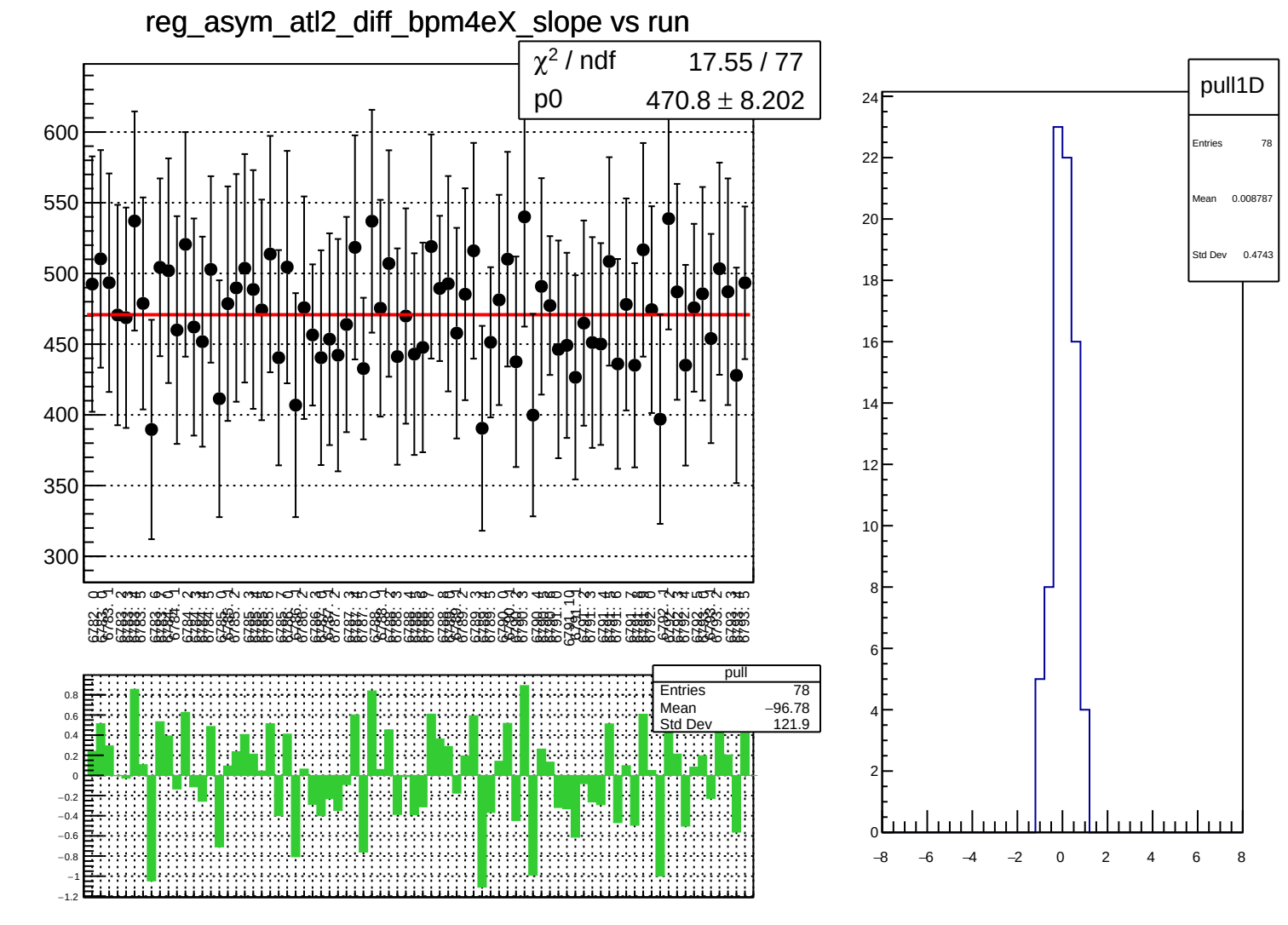

pull1D
Entries 78
Mean 0.0109
Std Dev 1.209

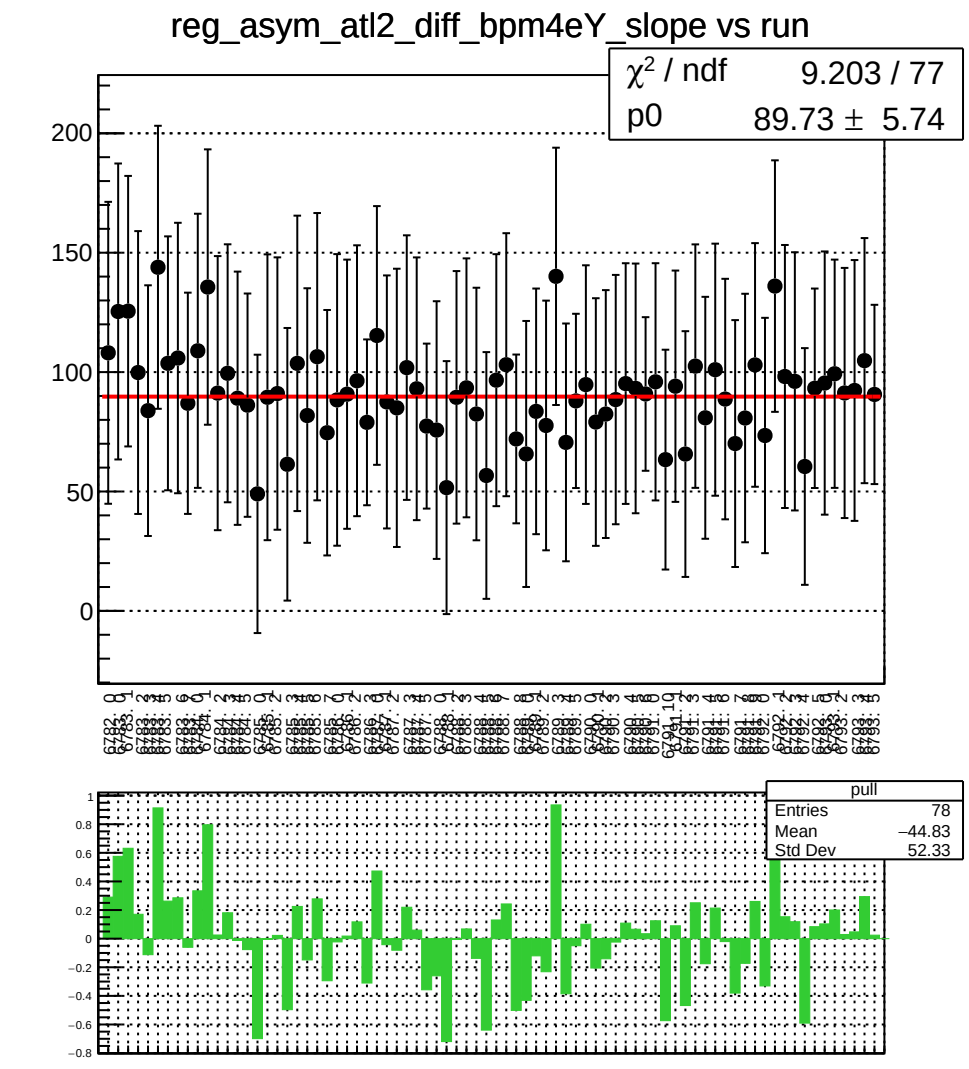

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 17.72 / 77
p0 −573.6 ± 8.784
pull
Entries 78
Mean −93.49
Std Dev 120.2

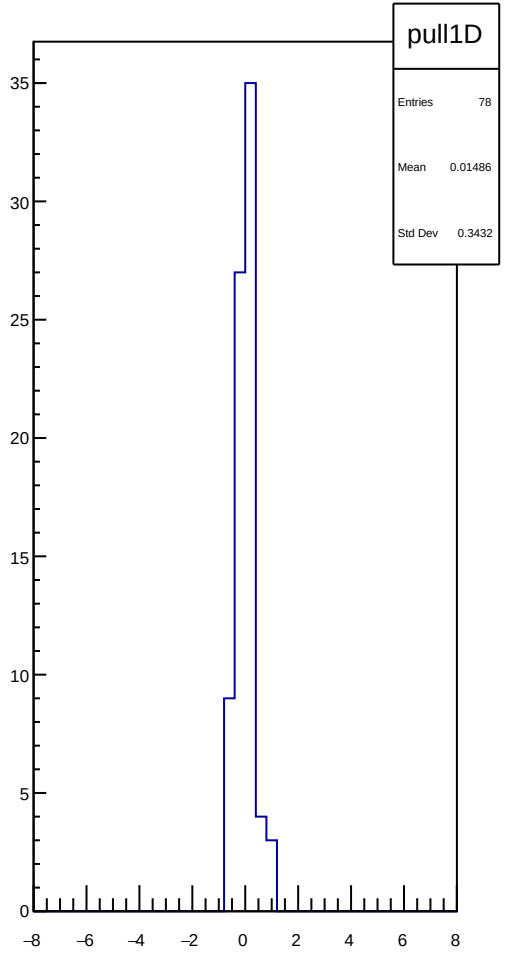

pull1D
Entries 78
Mean −0.009734
Std Dev 0.4766

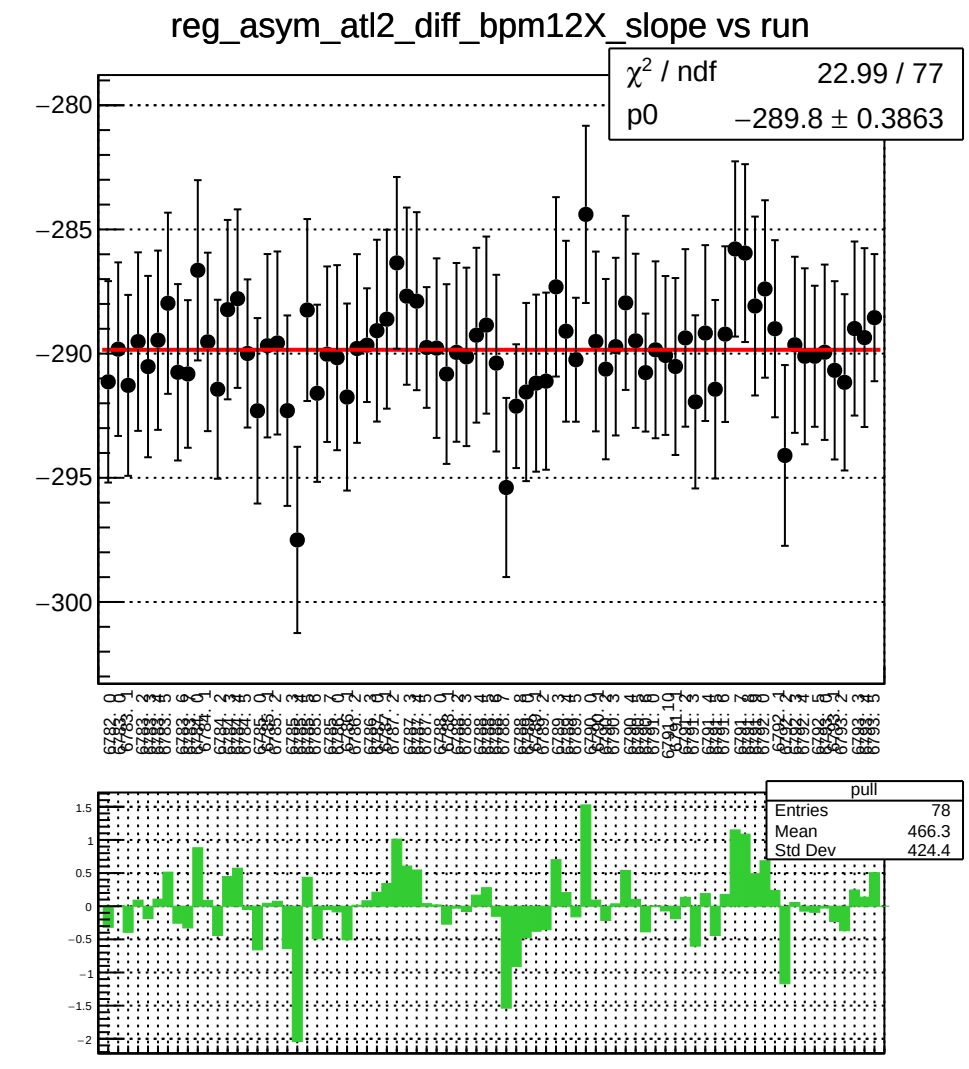

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 8.184 / 77
p0 36.57 ± 4.162
pull
Entries 78
Mean −1.538
Std Dev 44.36

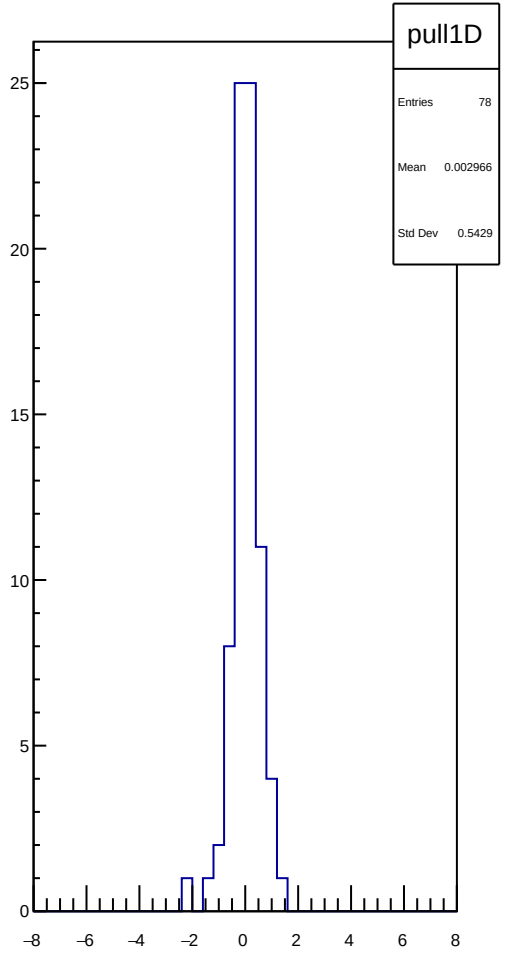

pull1D
Entries 78
Mean −0.01497
Std Dev 0.3236

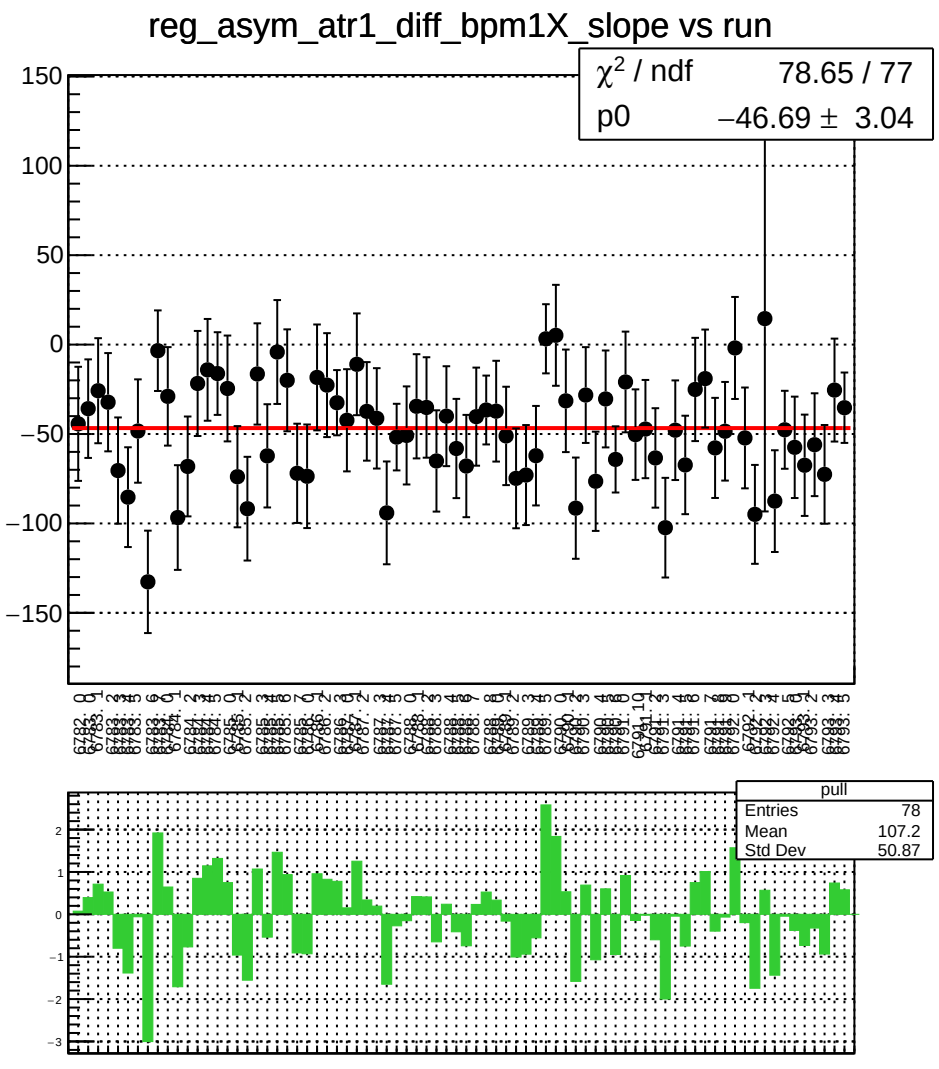

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 17.55 / 77
p0 470.8 ± 8.202
pull
Entries 78
Mean −96.78
Std Dev 121.9
pull1D
Entries 78
Mean 0.008787
Std Dev 0.4743

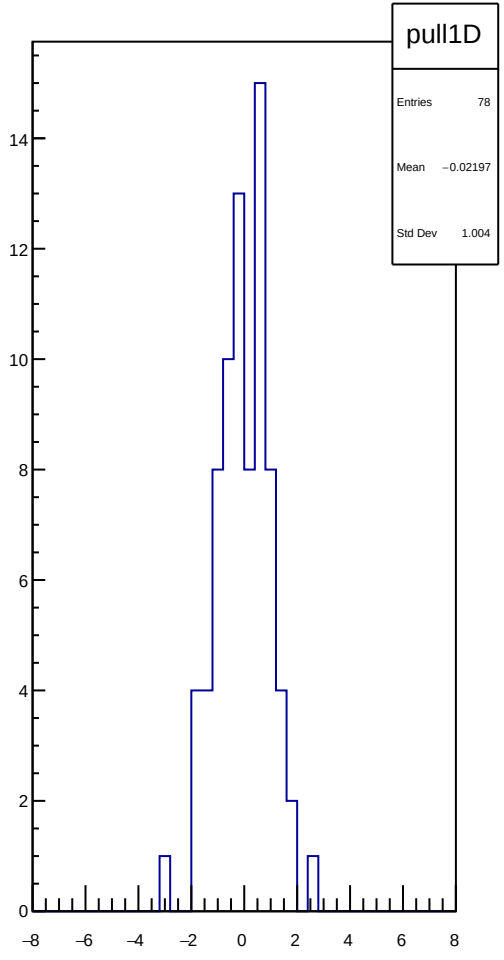

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 9.203 / 77
p0 89.73 ± 5.74
200
150
100
50
0
pull
Entries 78
Mean −44.83
Std Dev 52.33
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

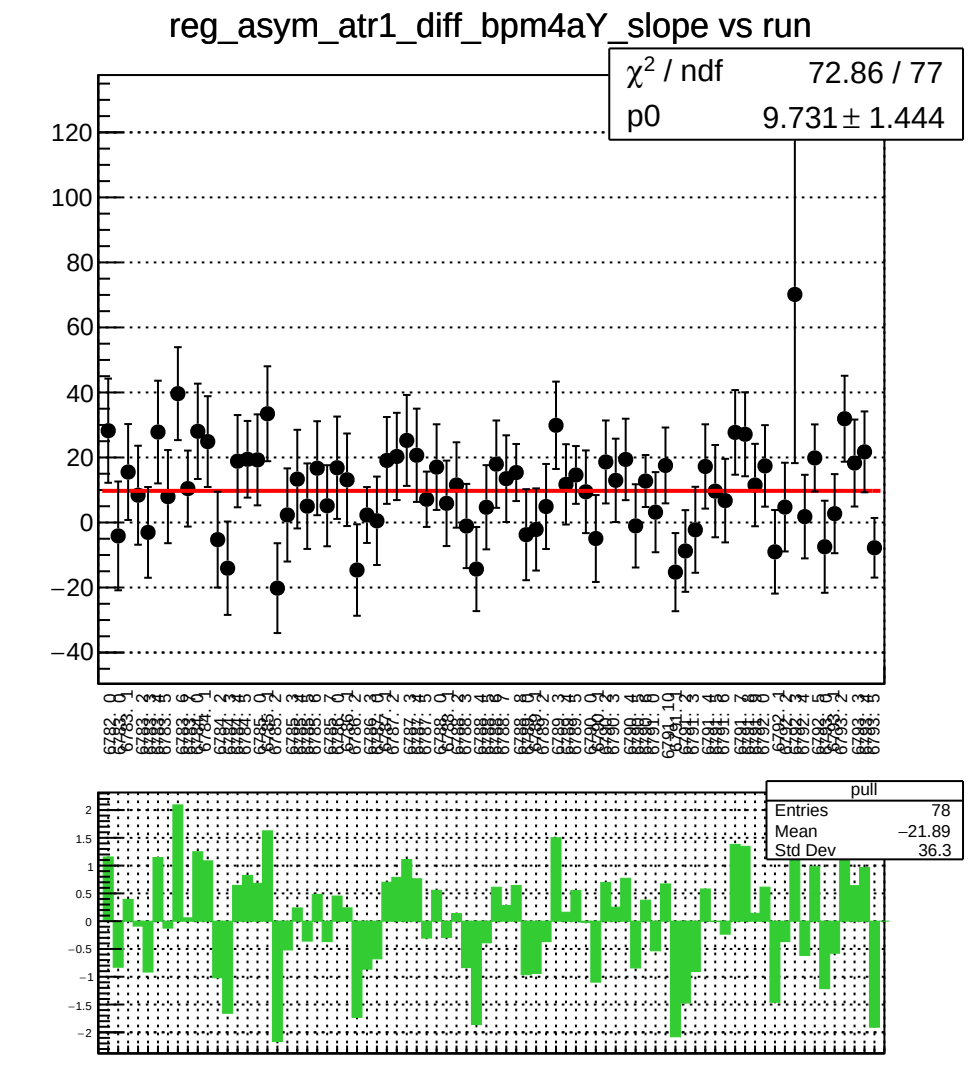

pull1D
Entries 78
Mean 0.01486
Std Dev 0.3432
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

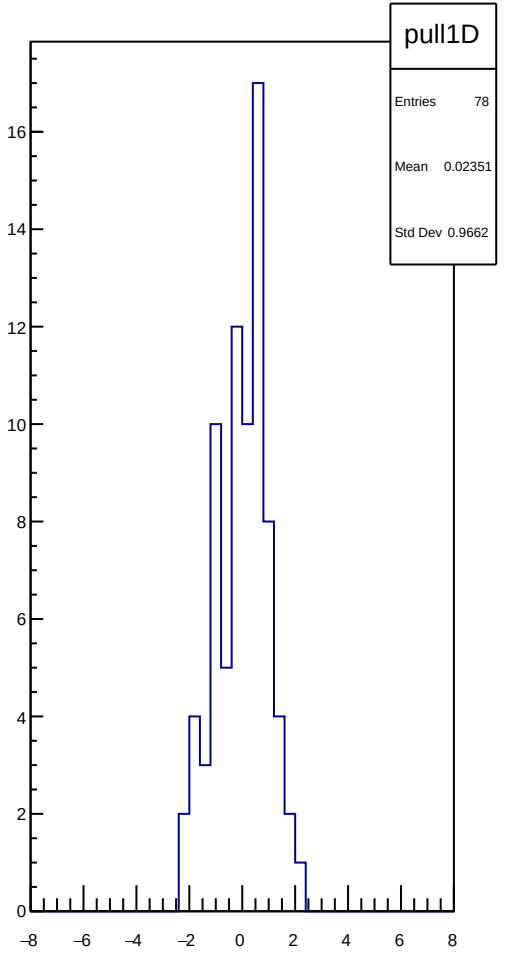

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.99 / 77
p0 −289.8 ± 0.3863
−280
−285
−290
−295
−300
pull
Entries 78
Mean 466.3
Std Dev 424.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2

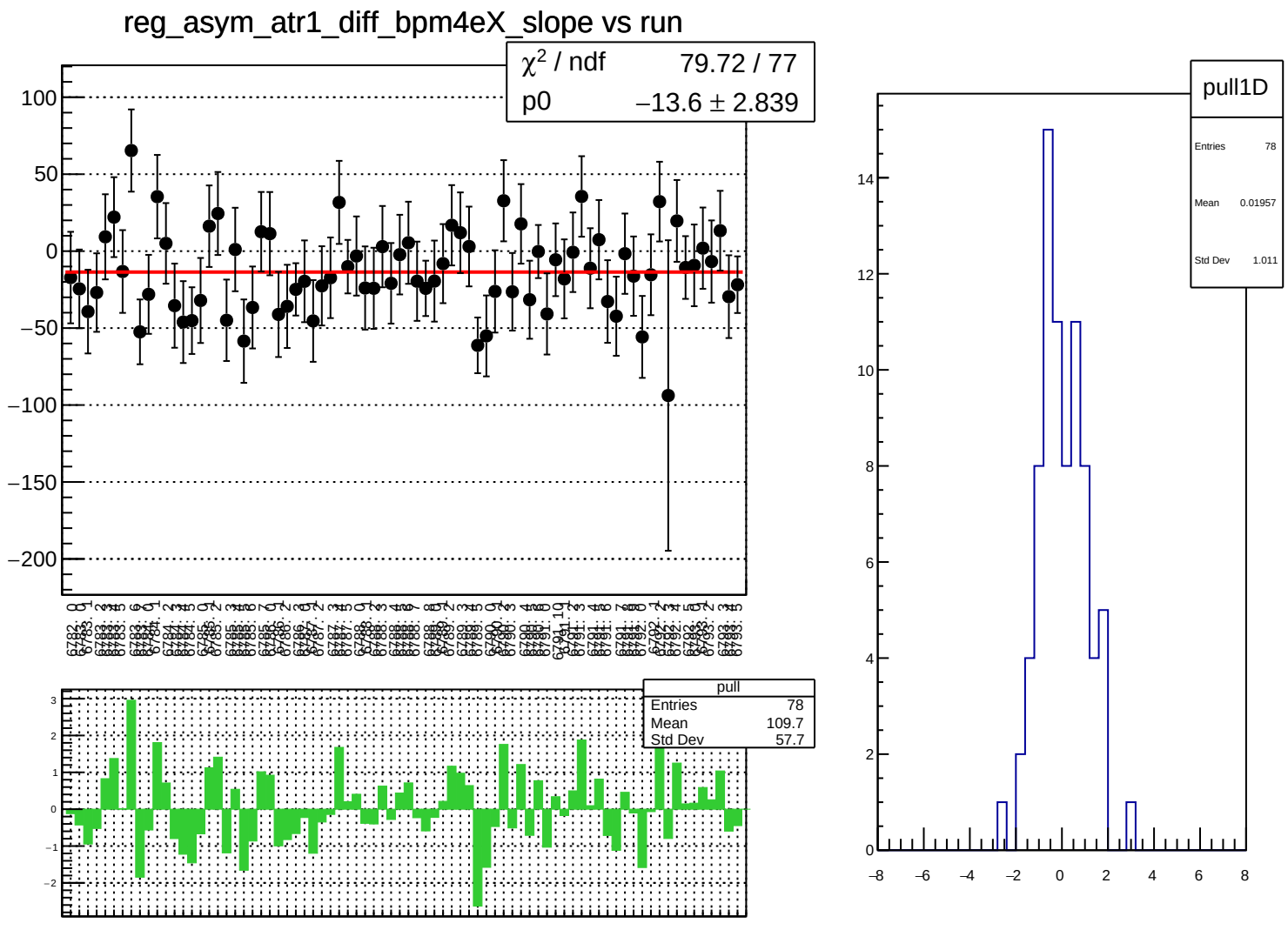

pull1D
Entries 78
Mean 0.002966
Std Dev 0.5429
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

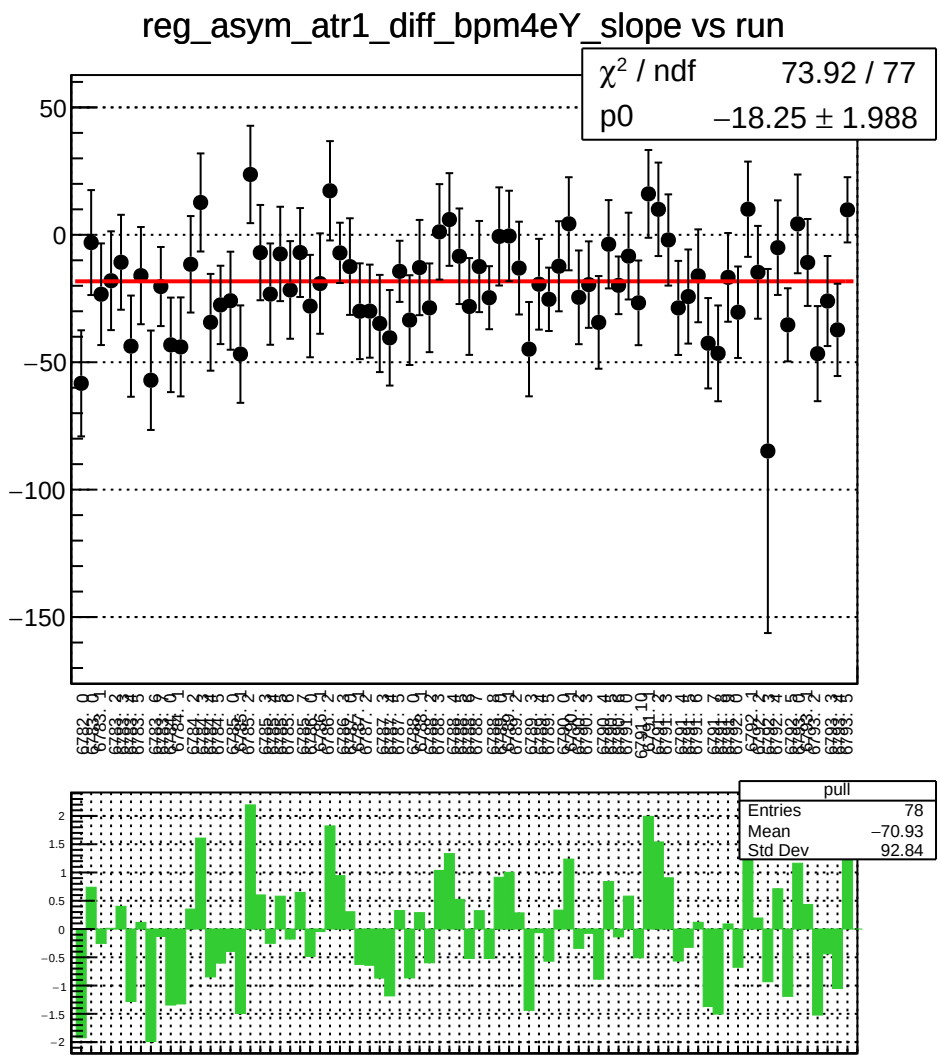

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 78.65 / 77
p0 −46.69 ± 3.04
150
100
50
0
−50
−100
−150
pull
Entries 78
Mean 107.2
Std Dev 50.87
2
1
0
−1
−2
−3

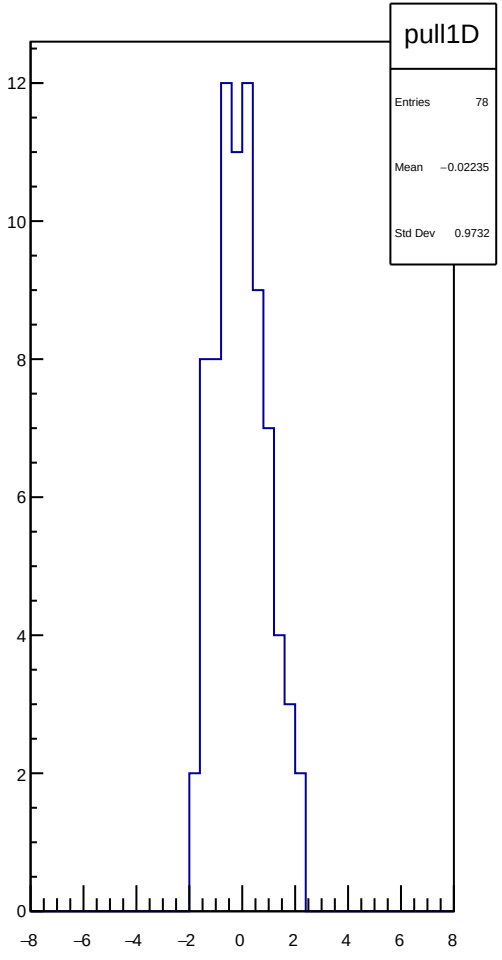

pull1D
Entries 78
Mean −0.02197
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

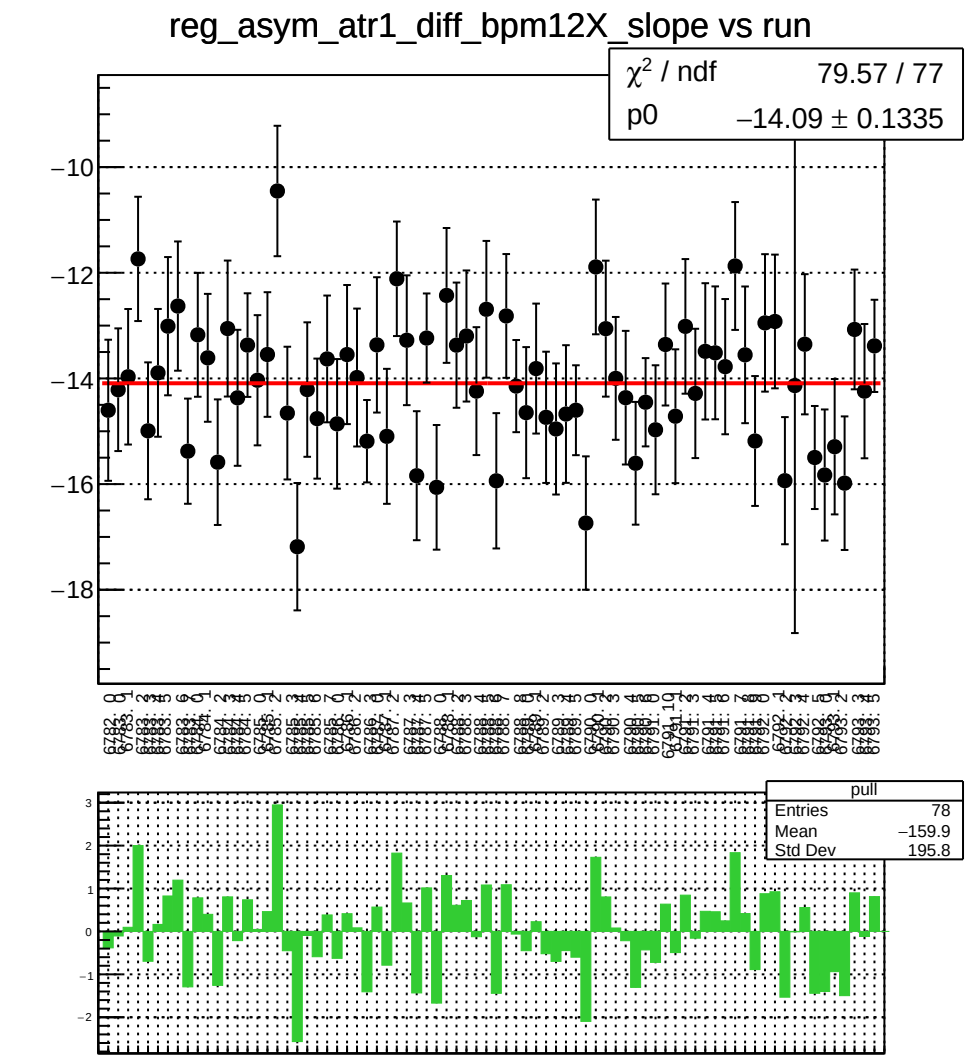

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 72.86 / 77
p0 9.731 ± 1.444
pull
Entries 78
Mean −21.89
Std Dev 36.3

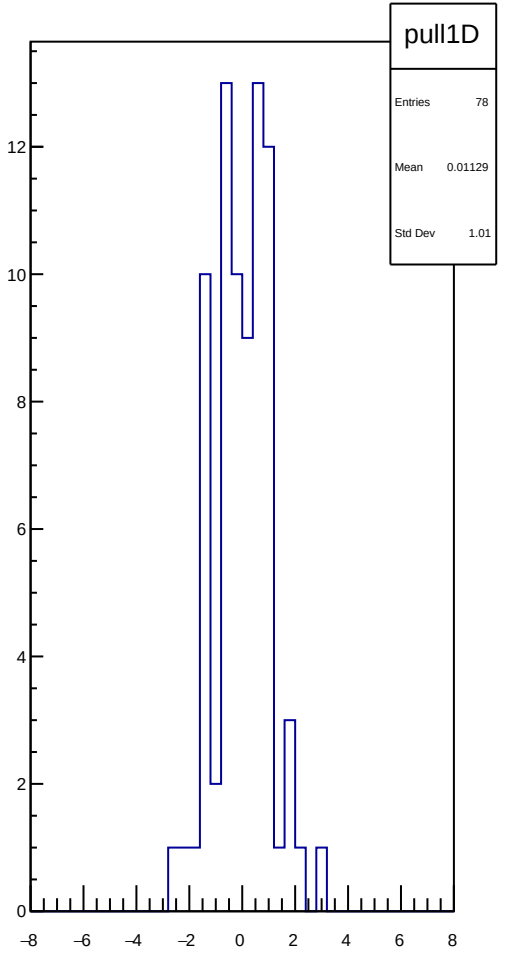

pull1D
Entries 78
Mean 0.02351
Std Dev 0.9662

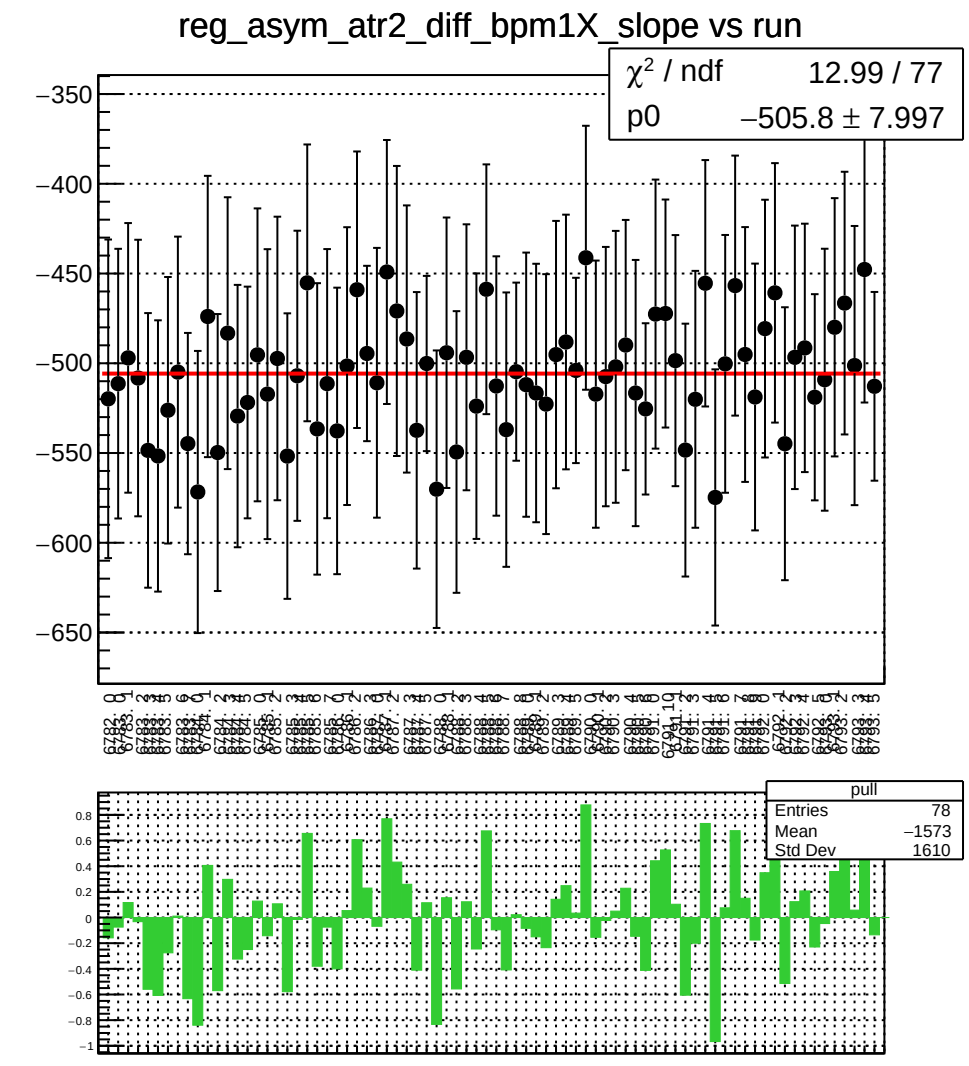

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 79.72 / 77
p0 −13.6 ± 2.839
pull
Entries 78
Mean 109.7
Std Dev 57.7
pull1D
Entries 78
Mean 0.01957
Std Dev 1.011

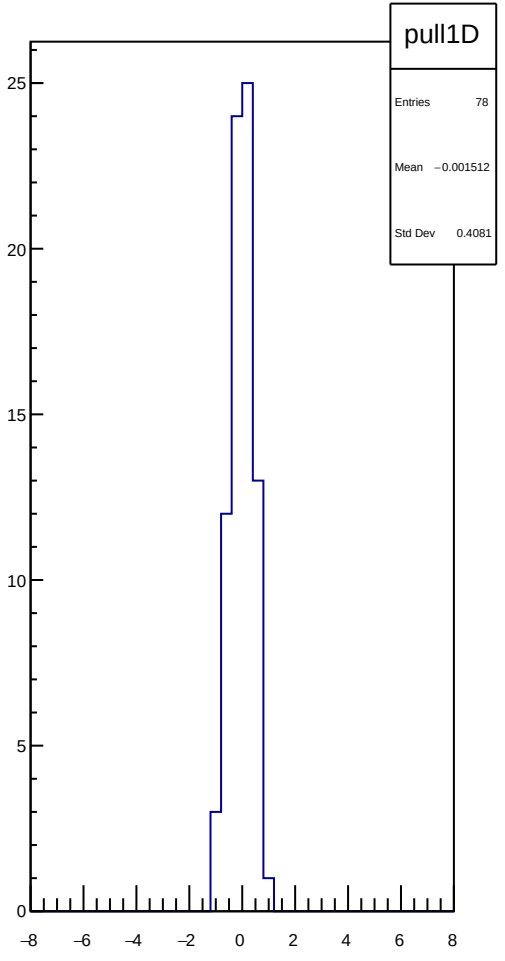

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 73.92 / 77
p0 −18.25 ± 1.988
pull
Entries 78
Mean −70.93
Std Dev 92.84

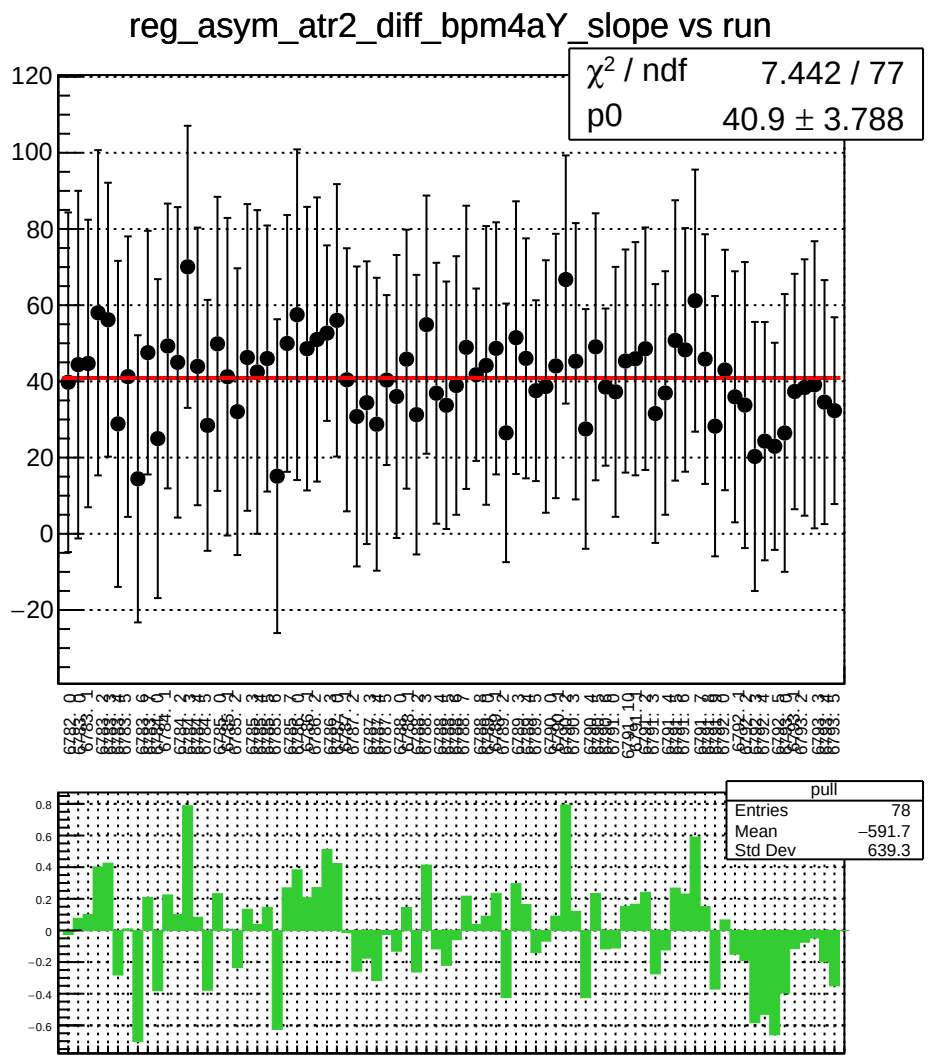

pull1D
Entries 78
Mean −0.02235
Std Dev 0.9732

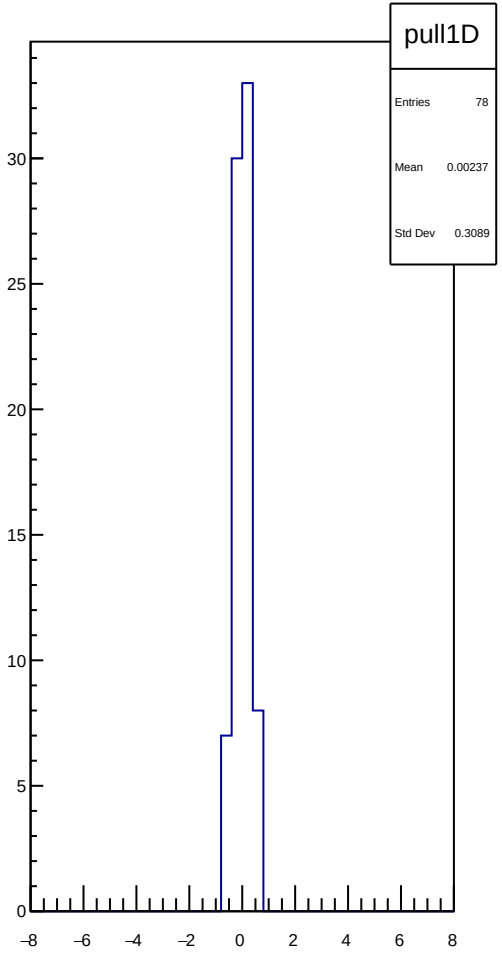

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 79.57 / 77
p0 −14.09 ± 0.1335
pull
Entries 78
Mean −159.9
Std Dev 195.8

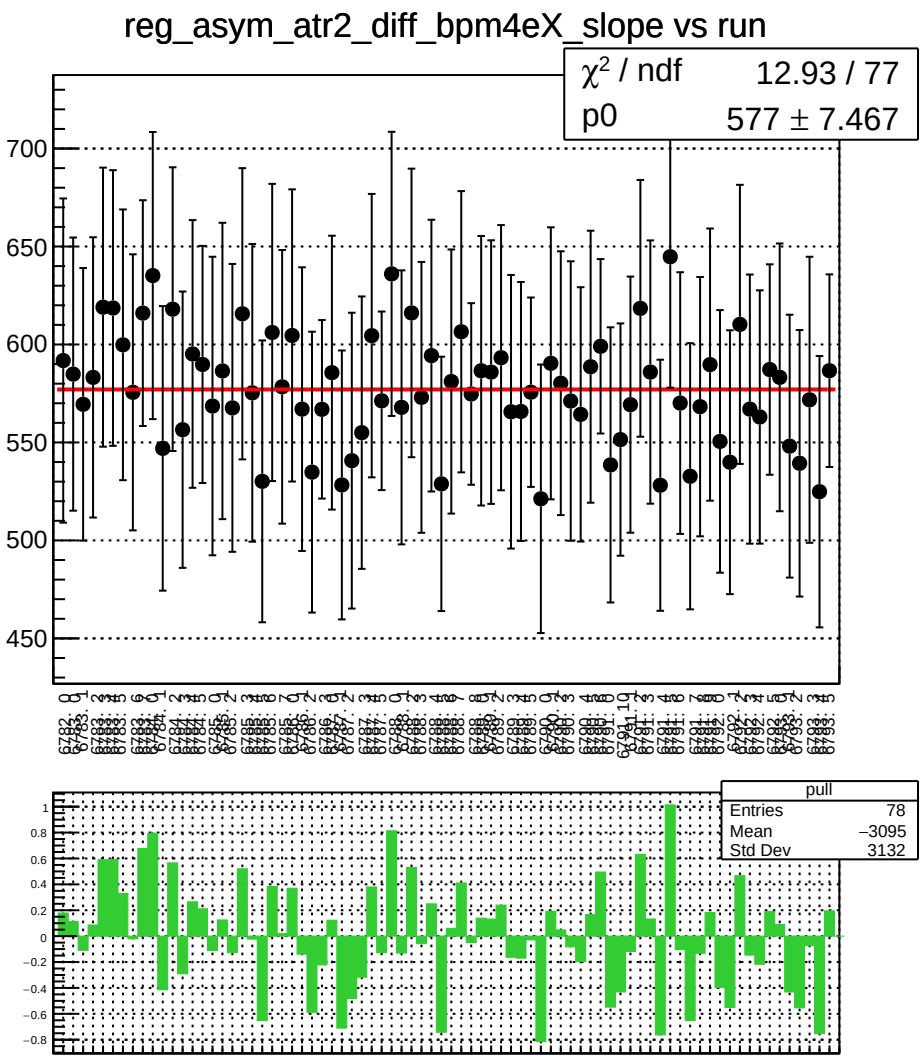

pull1D
Entries 78
Mean 0.01129
Std Dev 1.01

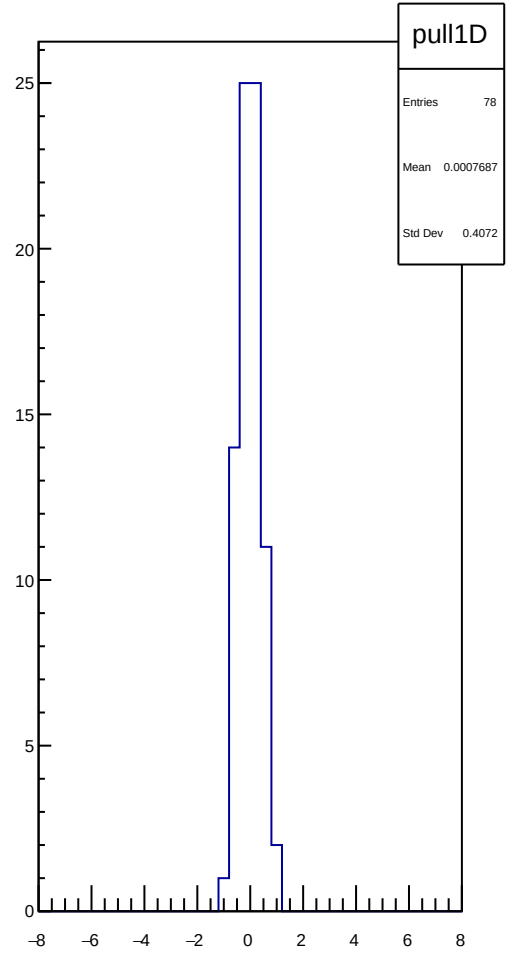

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.99 / 77
p0 −505.8 ± 7.997
pull
Entries 78
Mean −1573
Std Dev 1610

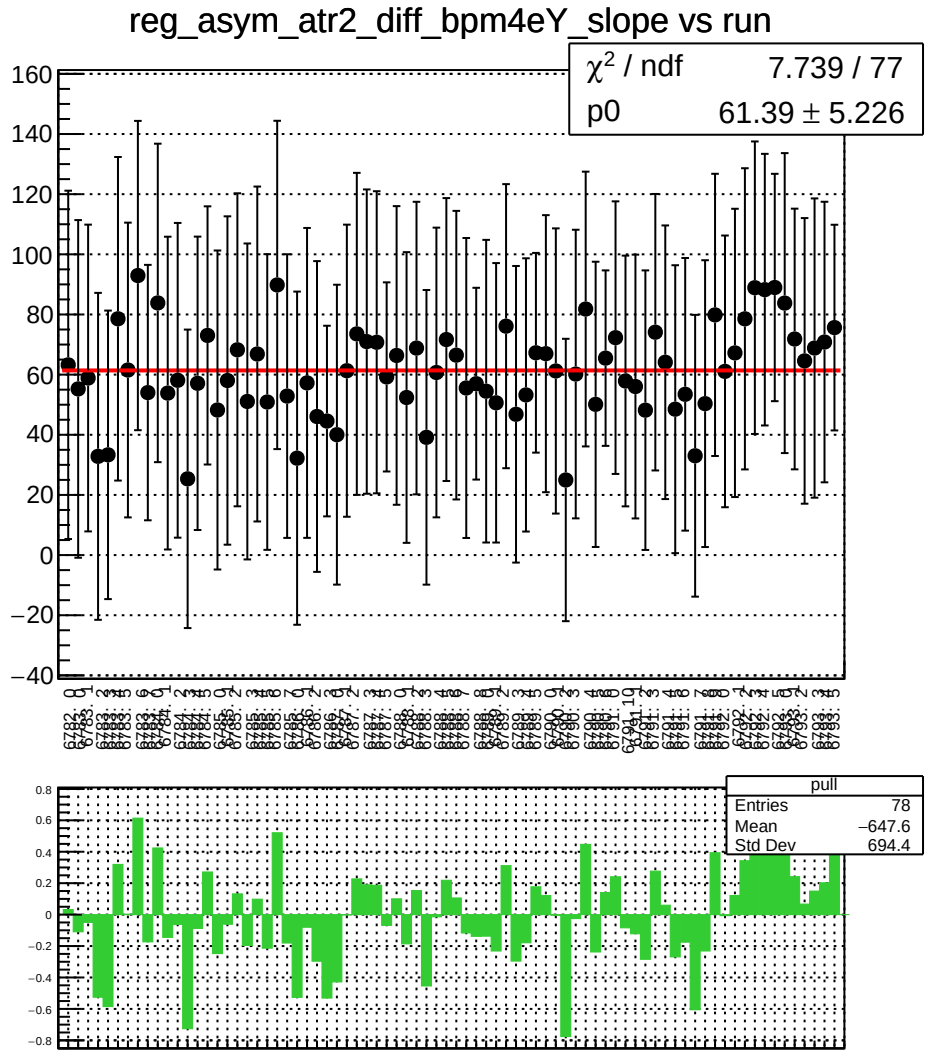

pull1D
Entries 78
Mean −0.001512
Std Dev 0.4081

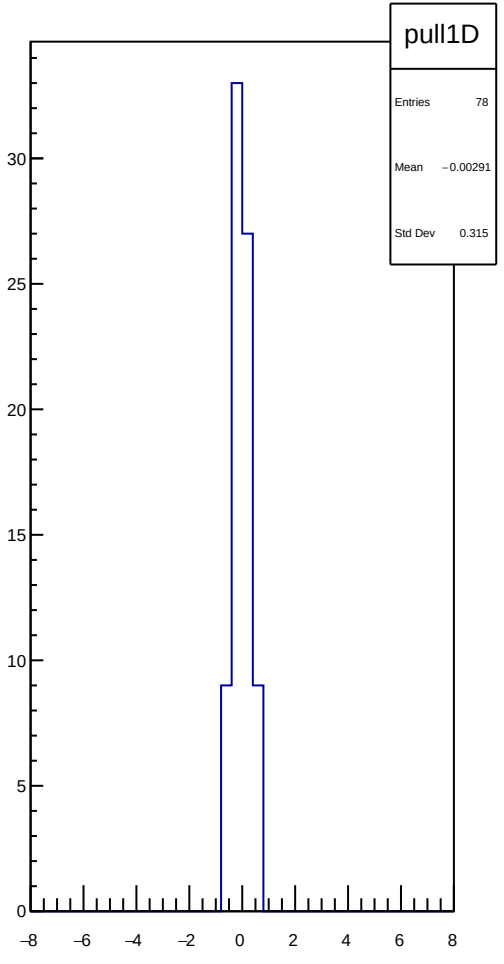

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.442 / 77
p0 40.9 ± 3.788
pull
Entries 78
Mean −591.7
Std Dev 639.3

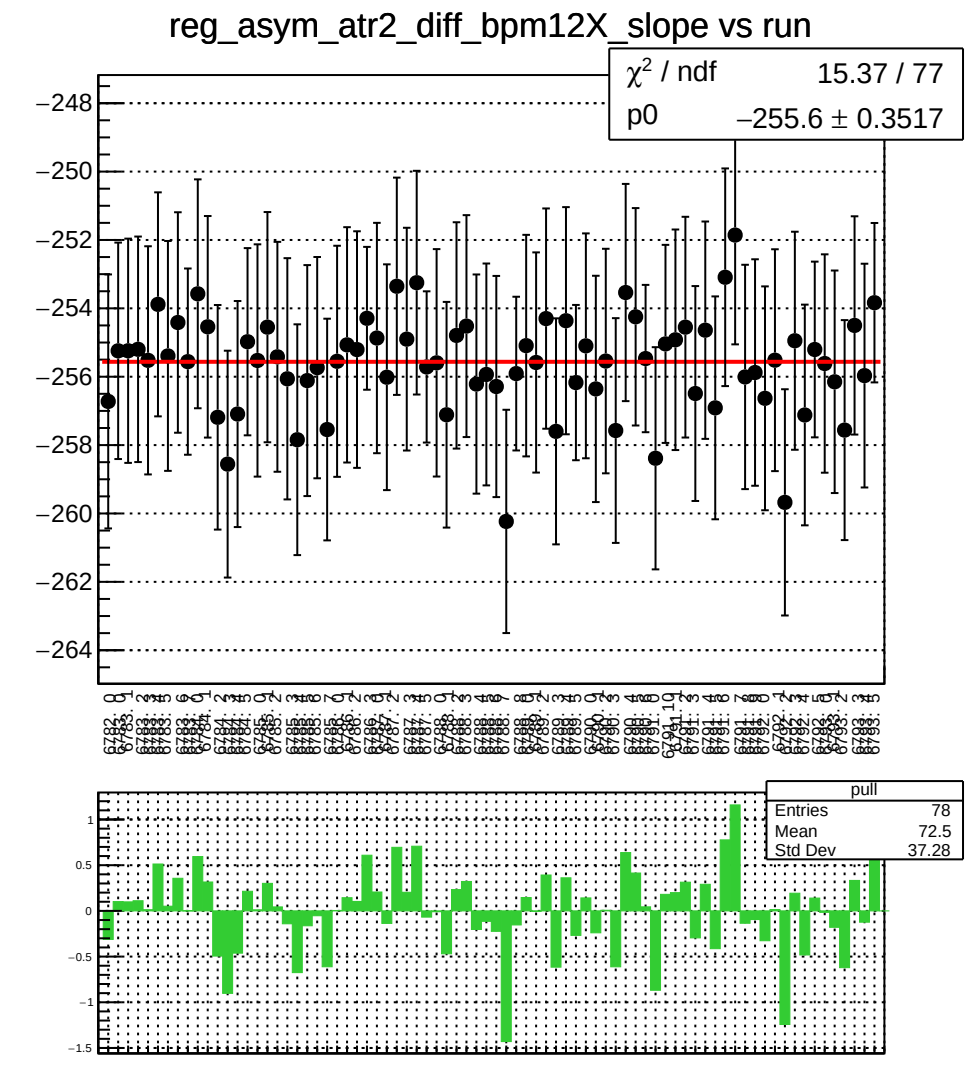

pull1D
Entries 78
Mean 0.00237
Std Dev 0.3089

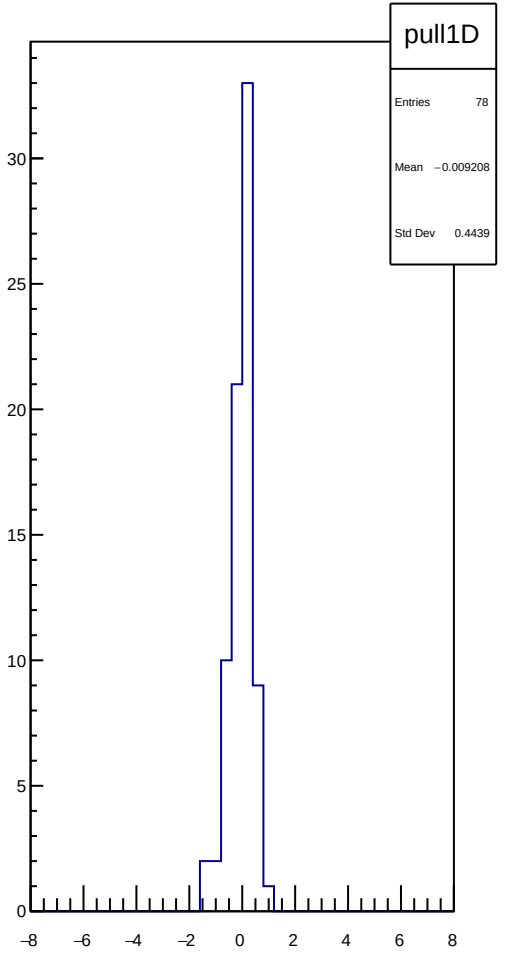

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.93 / 77
p0 577 ± 7.467
700
650
600
550
500
450
pull
Entries 78
Mean −3095
Std Dev 3132
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

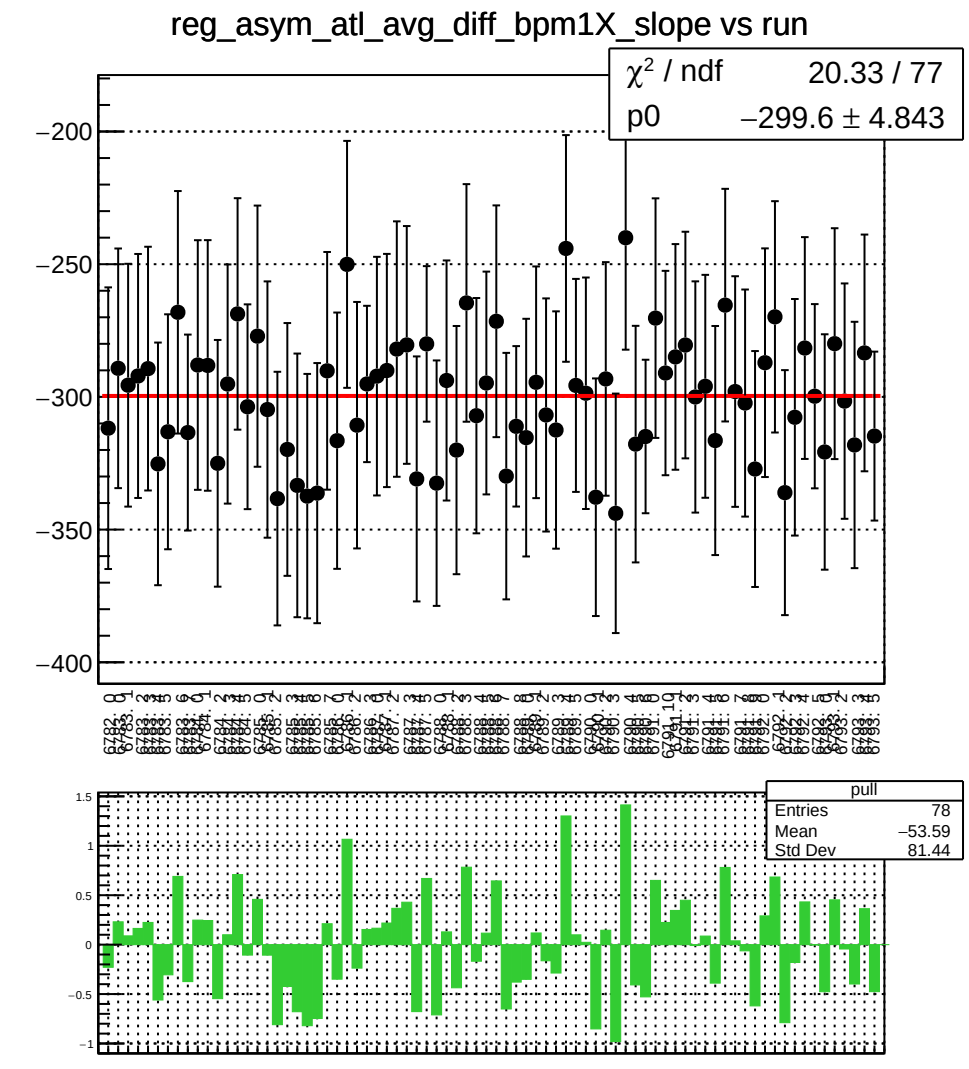

pull1D
Entries 78
Mean 0.0007687
Std Dev 0.4072
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

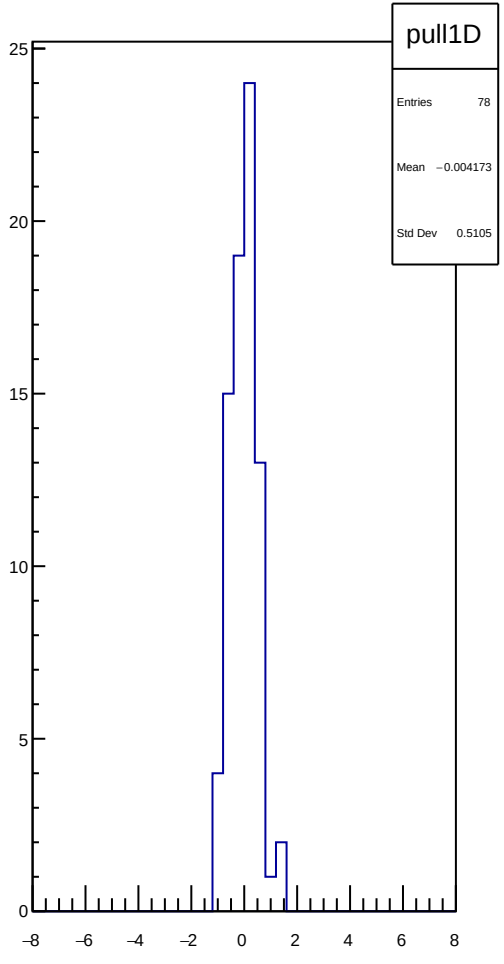

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.739 / 77
p0 61.39 ± 5.226
pull
Entries 78
Mean −647.6
Std Dev 694.4

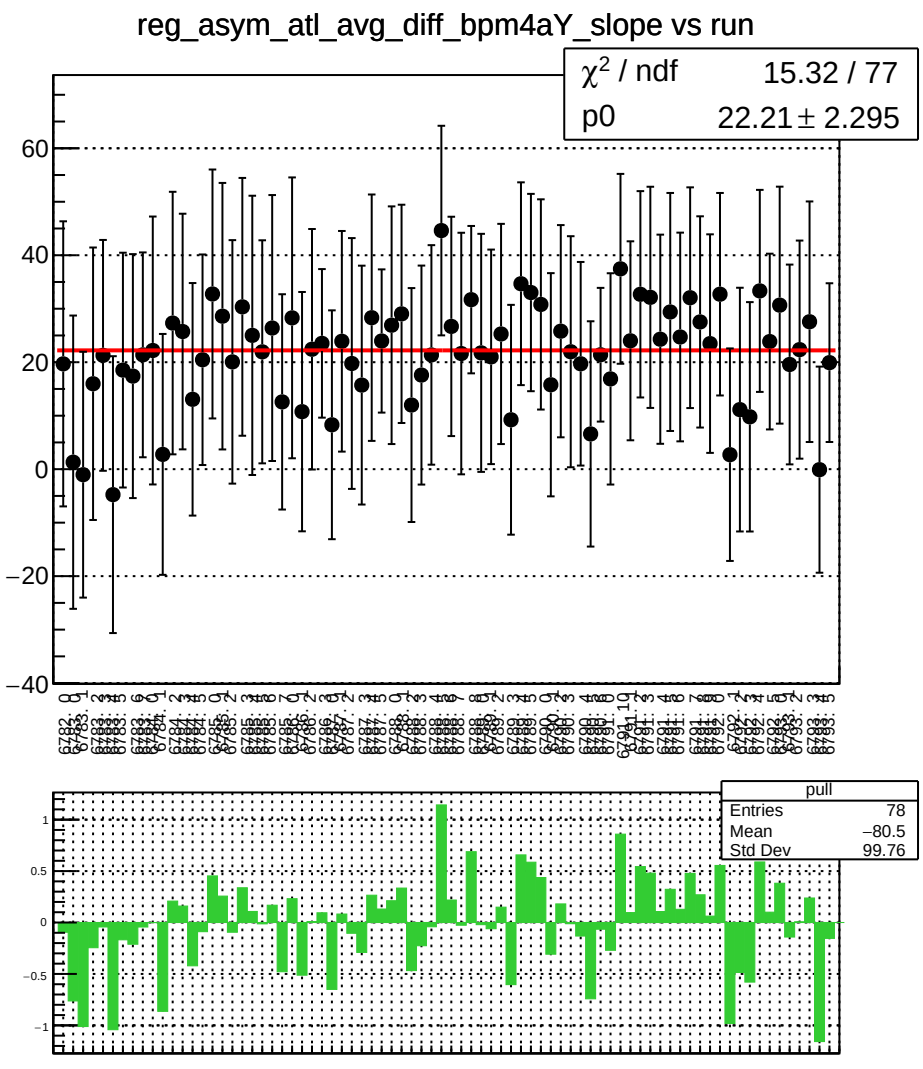

pull1D
Entries 78
Mean −0.00291
Std Dev 0.315

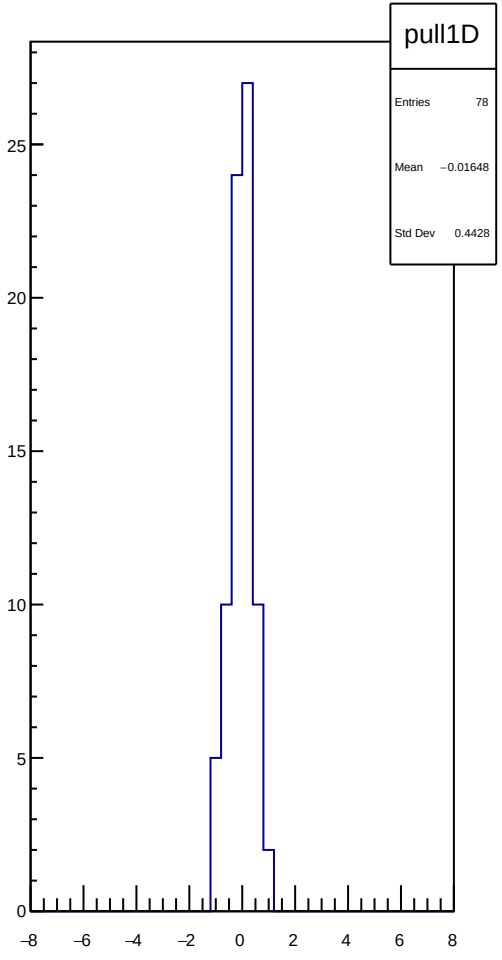

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.37 / 77
p0 −255.6 ± 0.3517
pull
Entries 78
Mean 72.5
Std Dev 37.28

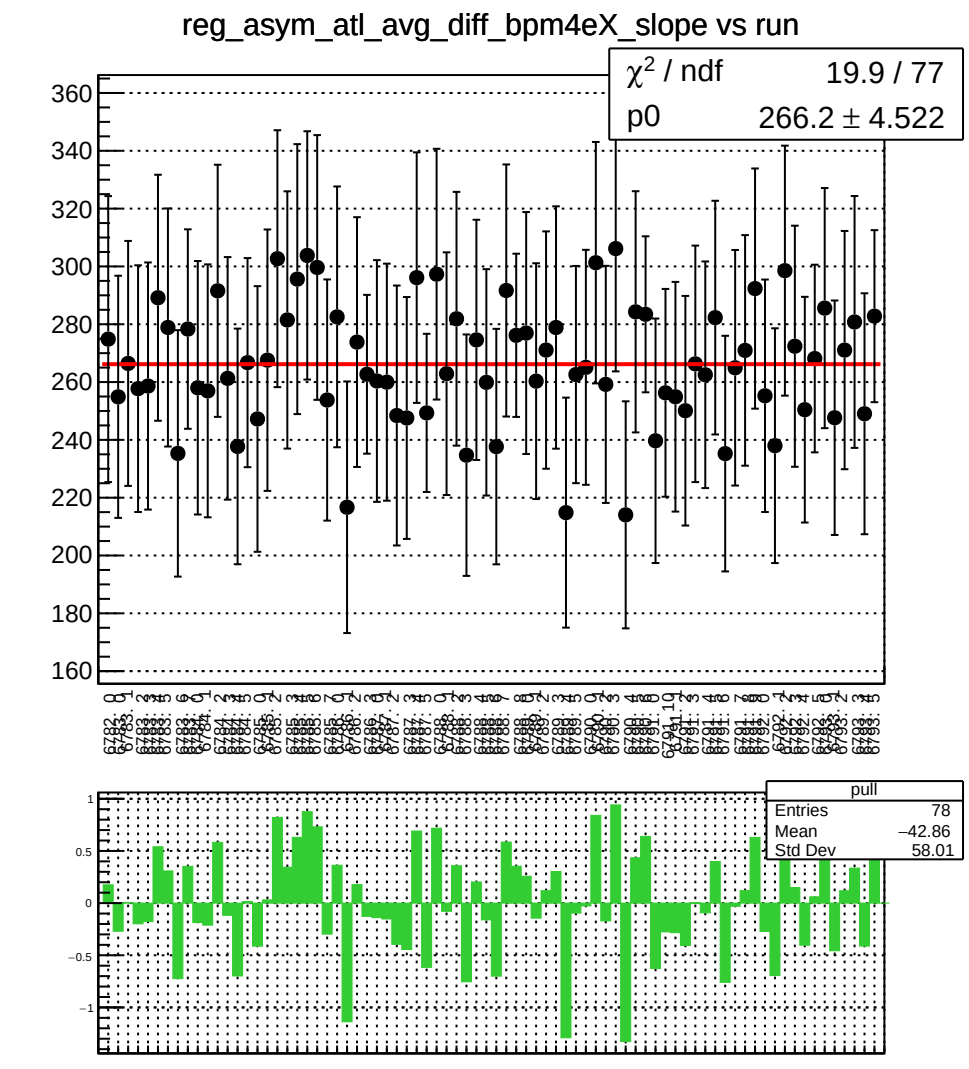

pull1D
Entries 78
Mean −0.009208
Std Dev 0.4439

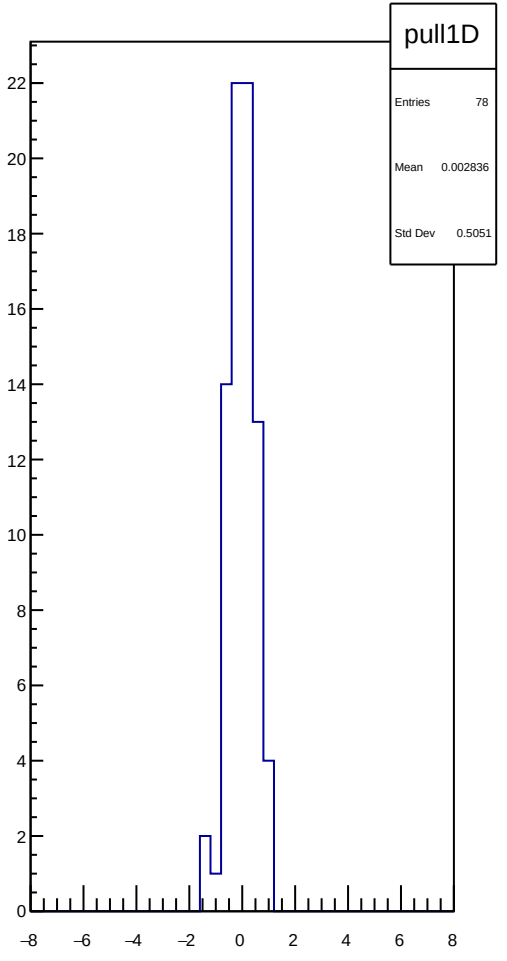

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 20.33 / 77
p0 −299.6 ± 4.843
−200
−250
−300
−350
−400
pull
Entries 78
Mean −53.59
Std Dev 81.44
1.5
1
0.5
0
−0.5
−1

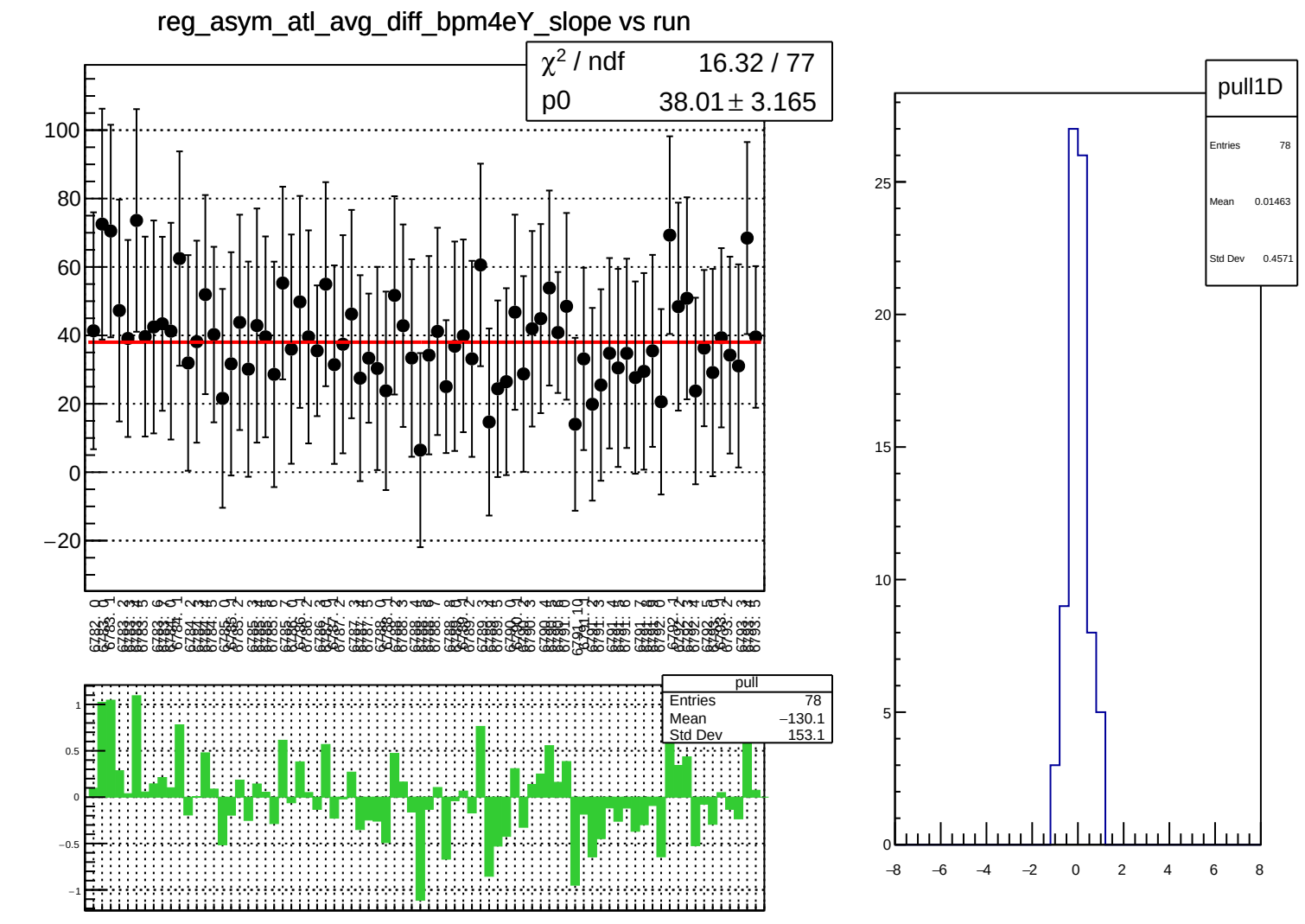

pull1D
Entries 78
Mean −0.004173
Std Dev 0.5105
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

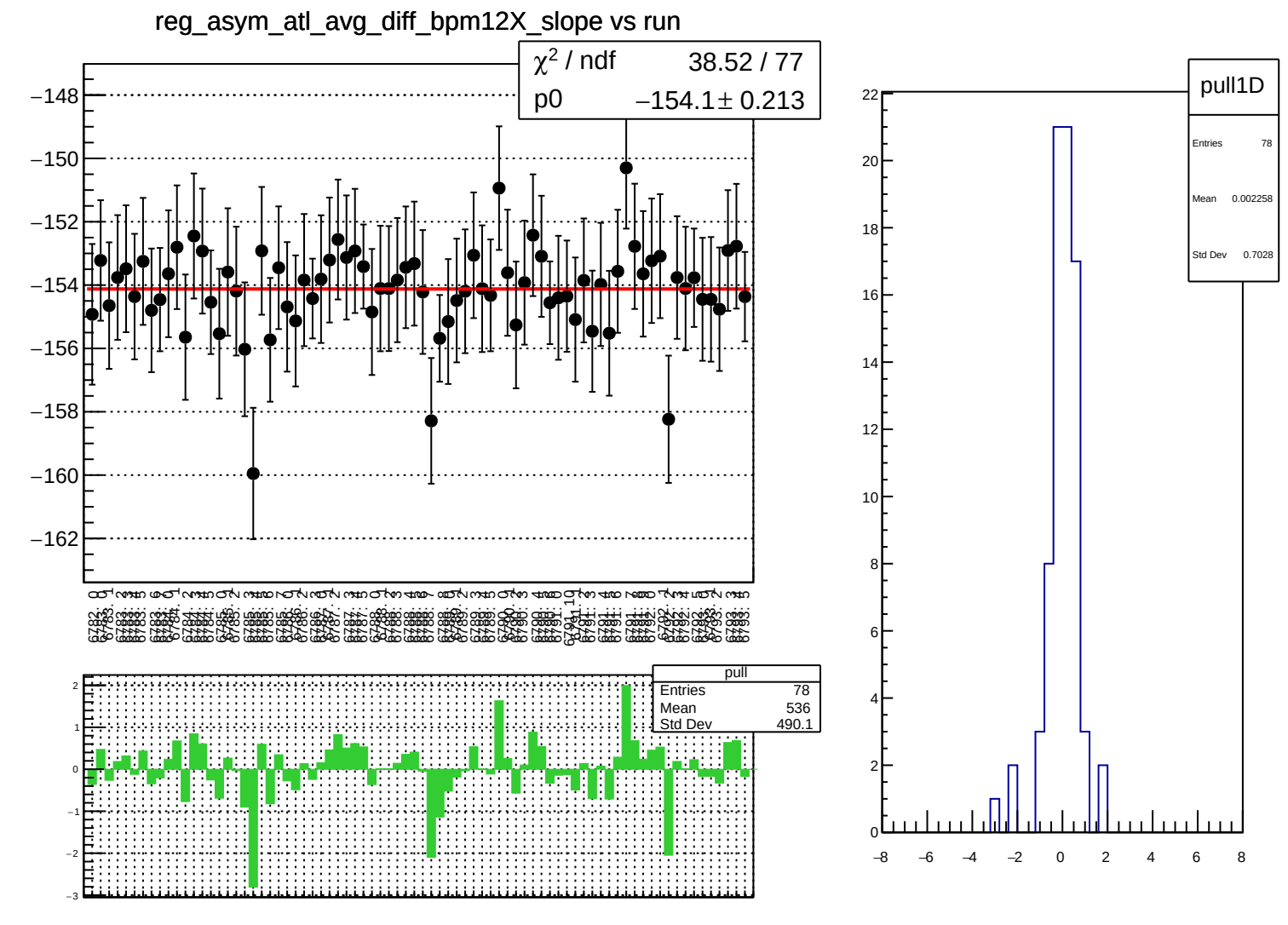

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.32 / 77
p0 22.21 ± 2.295
pull
Entries 78
Mean −80.5
Std Dev 99.76

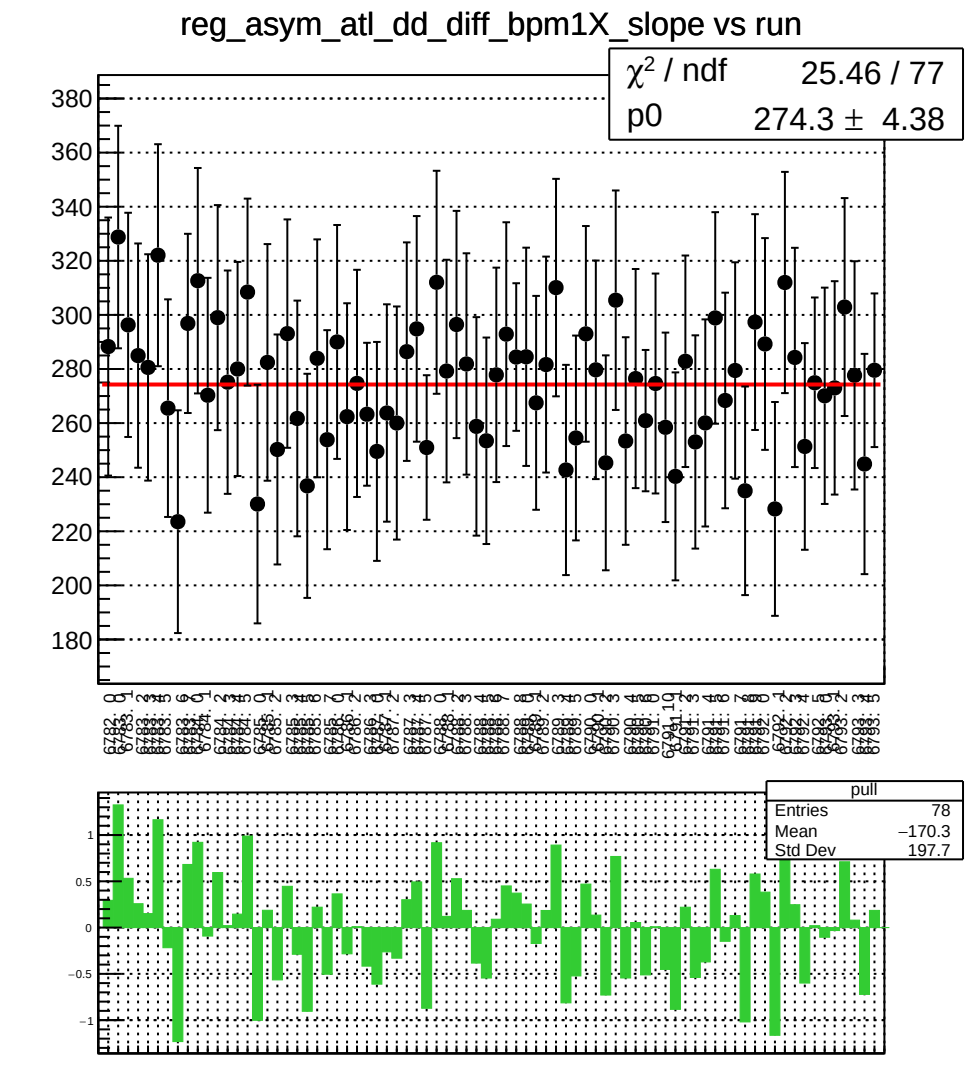

pull1D
Entries 78
Mean −0.01648
Std Dev 0.4428

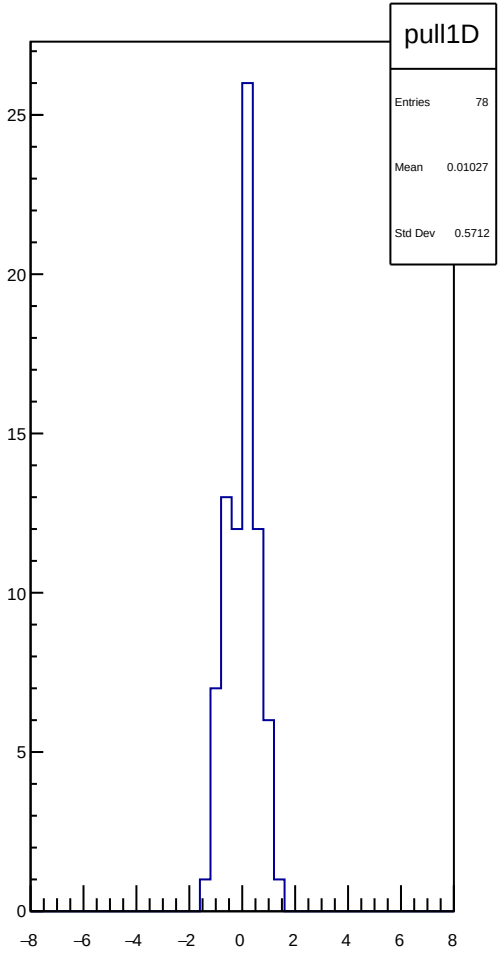

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.9 / 77
p0 266.2 ± 4.522
pull
Entries 78
Mean −42.86
Std Dev 58.01

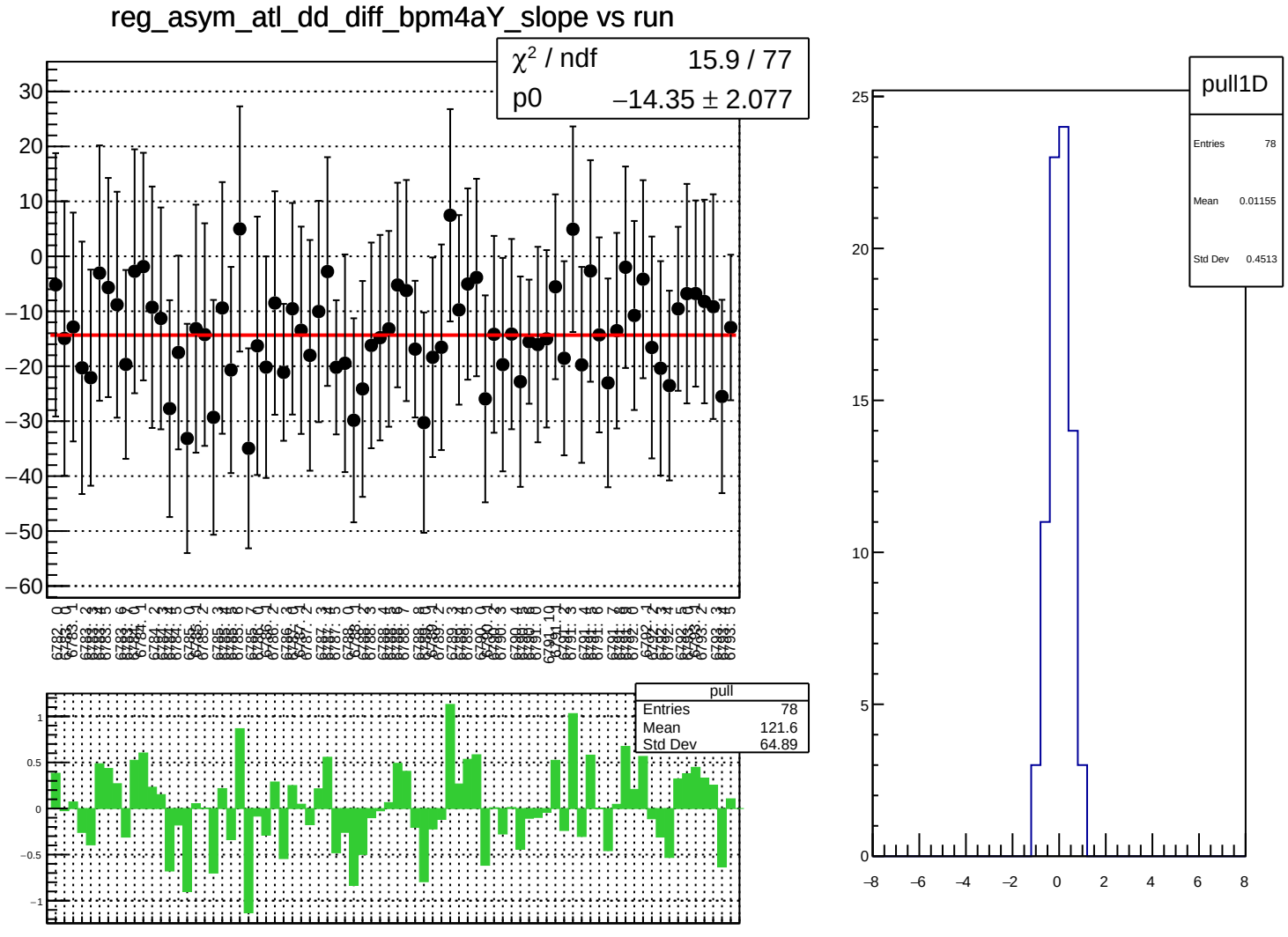

pull1D
Entries 78
Mean 0.002836
Std Dev 0.5051

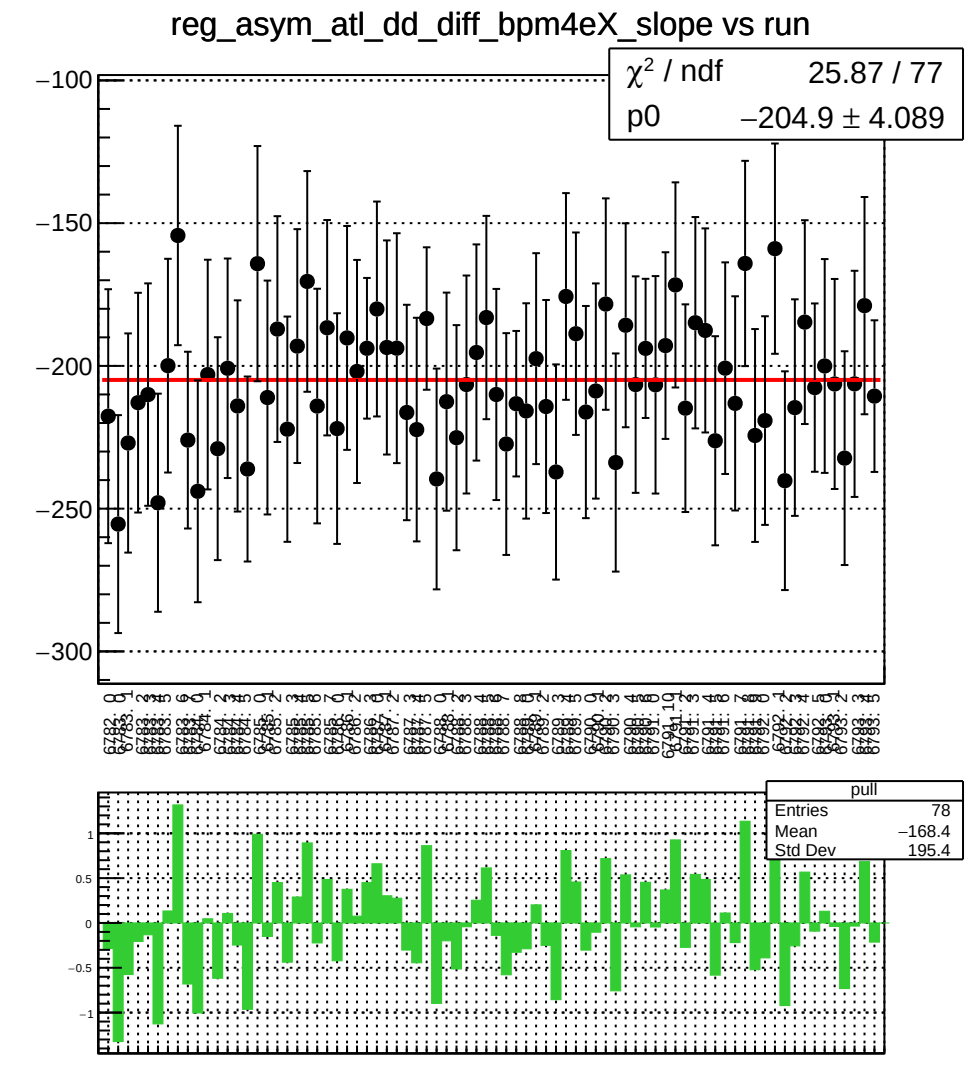

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.32 / 77
p0 38.01 ± 3.165
pull
Entries 78
Mean −130.1
Std Dev 153.1
pull1D
Entries 78
Mean 0.01463
Std Dev 0.4571

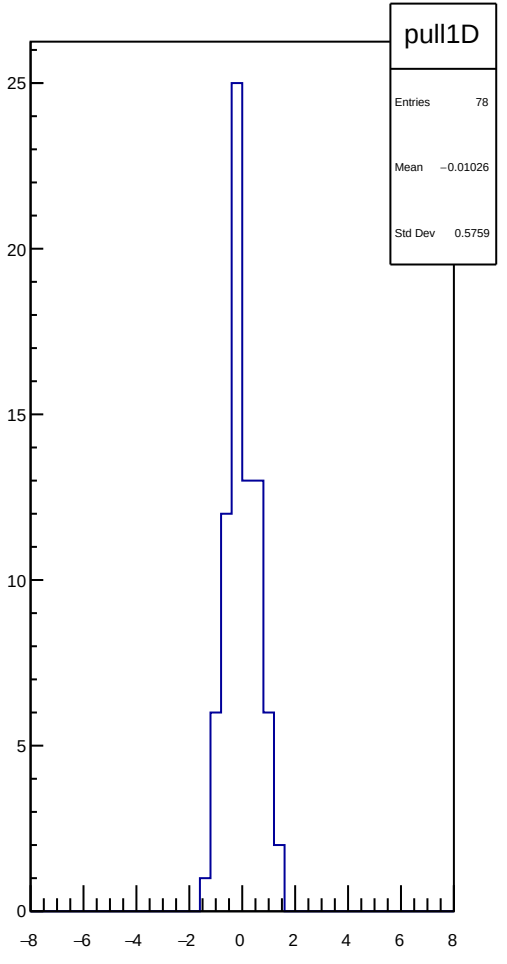

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 38.52 / 77
p0 −154.1 ± 0.213
pull
Entries 78
Mean 536
Std Dev 490.1
pull1D
Entries 78
Mean 0.002258
Std Dev 0.7028

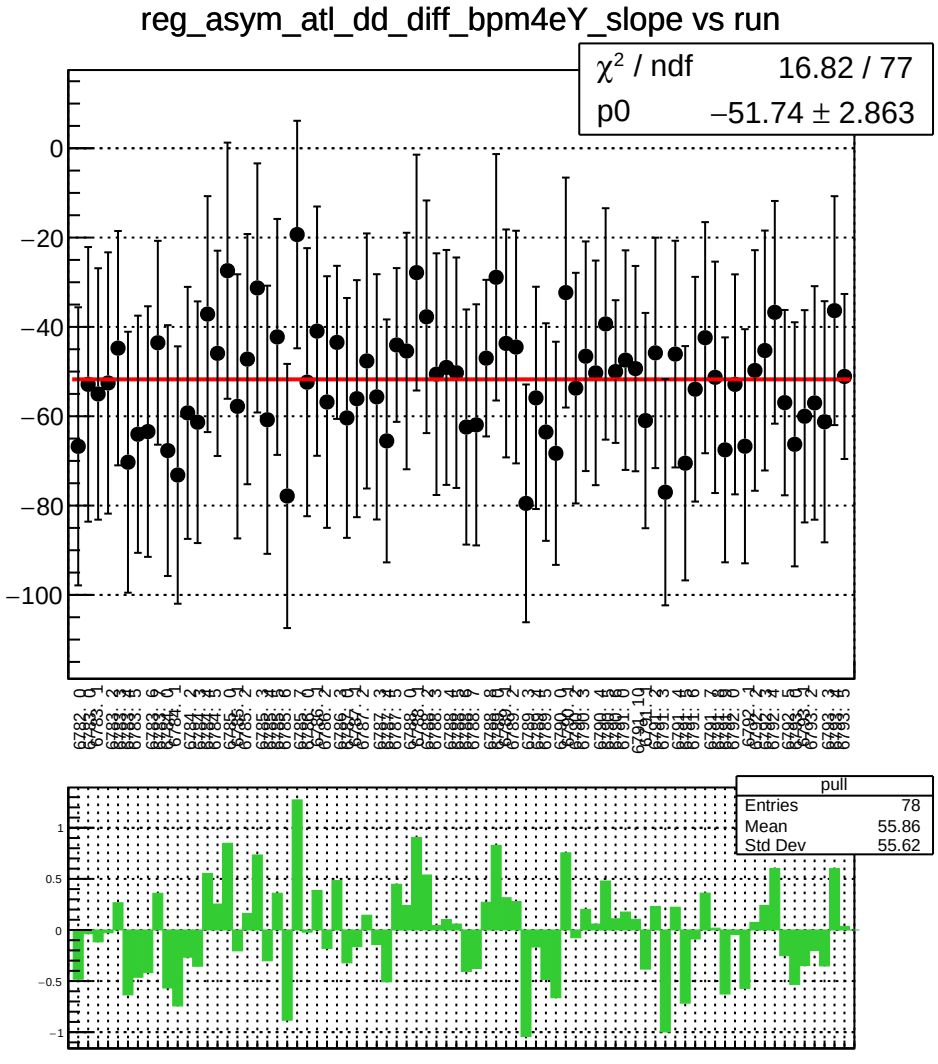

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 25.46 / 77
p0 274.3 ± 4.38
pull
Entries 78
Mean −170.3
Std Dev 197.7

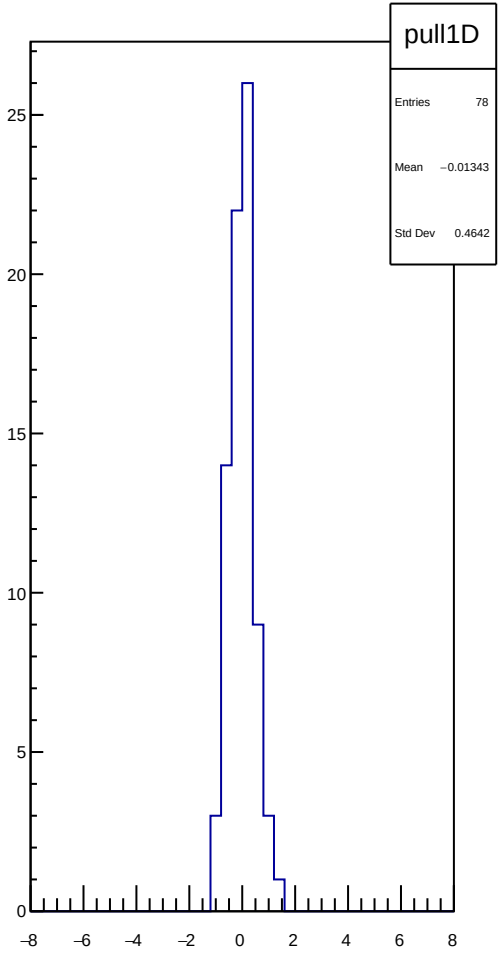

pull1D
Entries 78
Mean 0.01027
Std Dev 0.5712

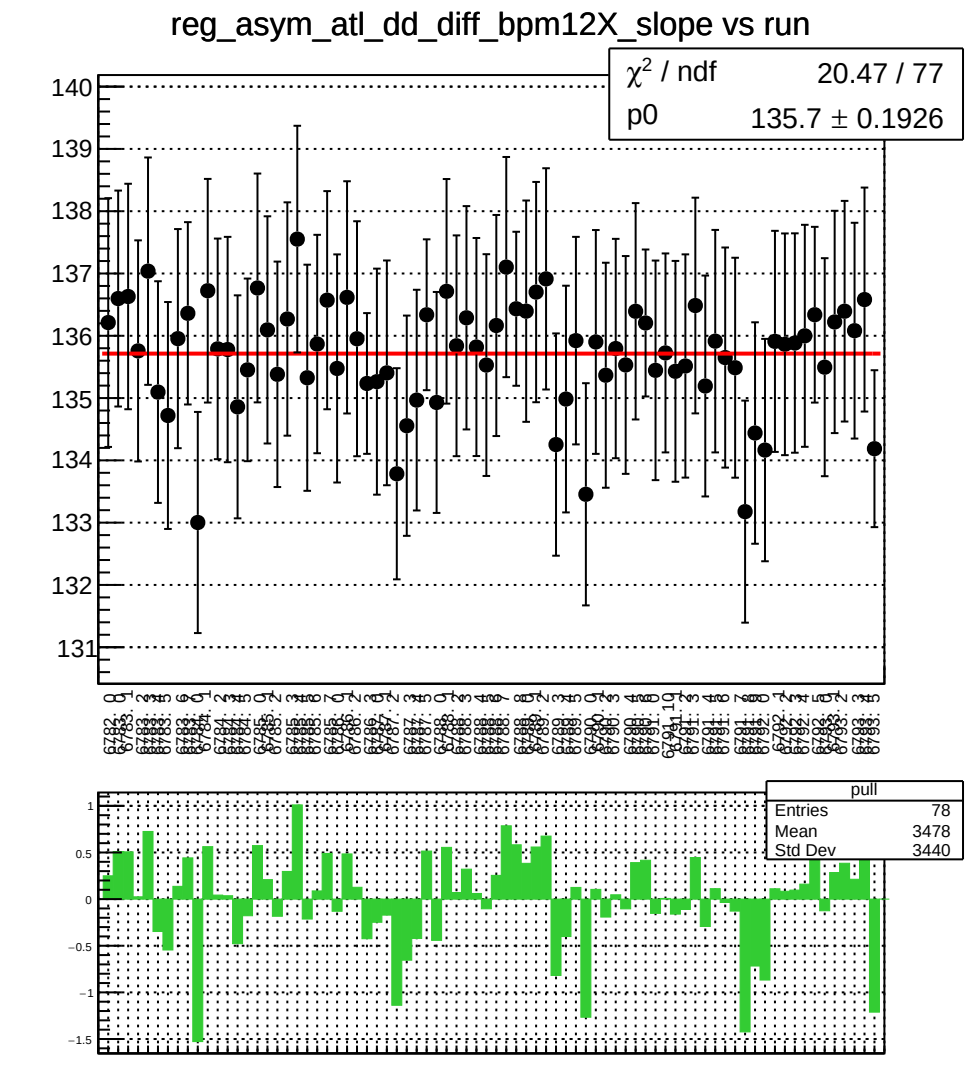

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.9 / 77
p0 −14.35 ± 2.077
pull
Entries 78
Mean 121.6
Std Dev 64.89
pull1D
Entries 78
Mean 0.01155
Std Dev 0.4513

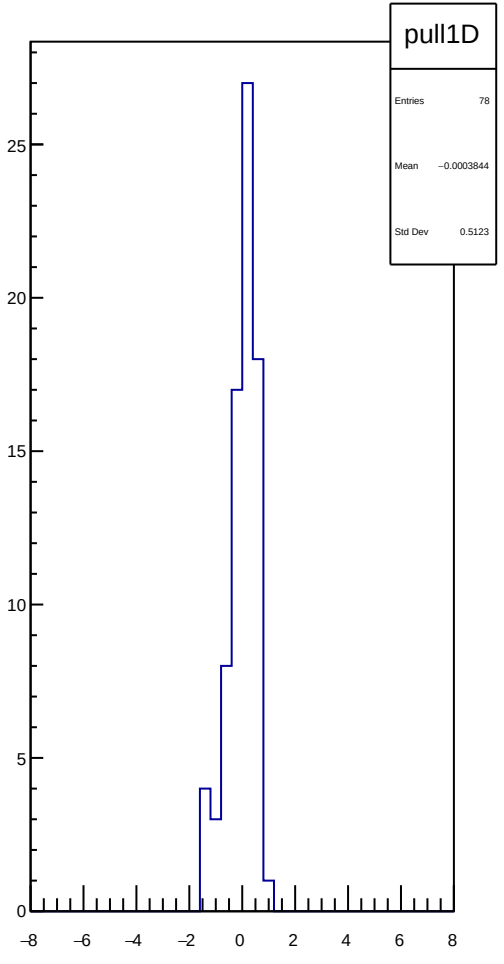

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.87 / 77
p0 −204.9 ± 4.089
−100
−150
−200
−250
−300
pull
Entries 78
Mean −168.4
Std Dev 195.4
1
0.5
0
−0.5
−1

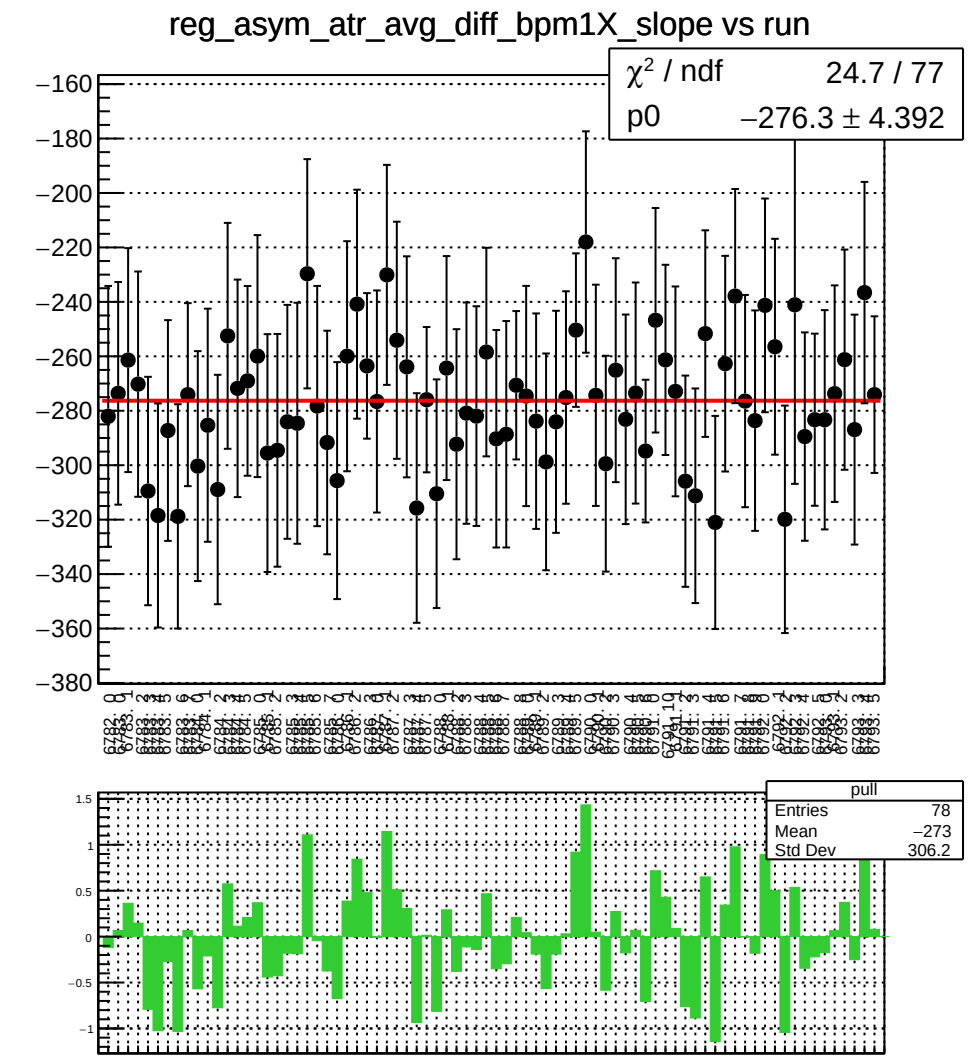

pull1D
Entries 78
Mean −0.01026
Std Dev 0.5759
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

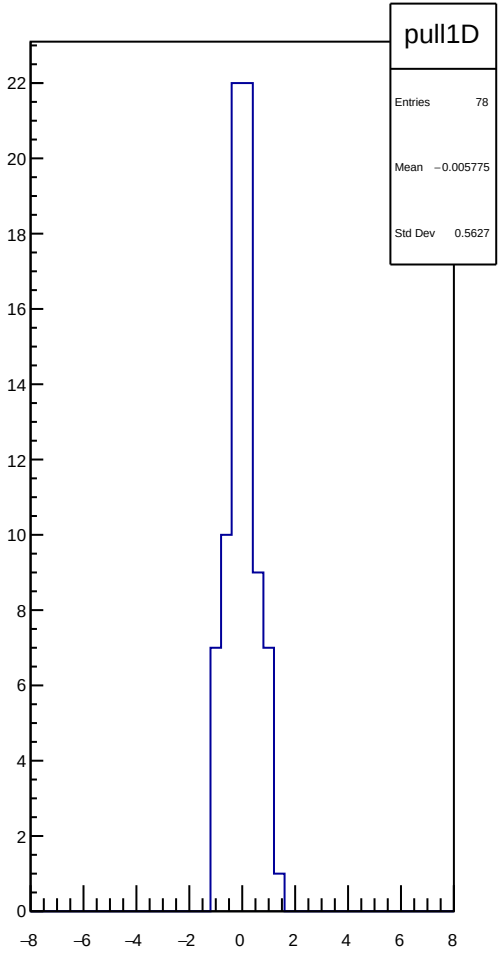

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 77
p0 −51.74 ± 2.863
pull
Entries 78
Mean 55.86
Std Dev 55.62

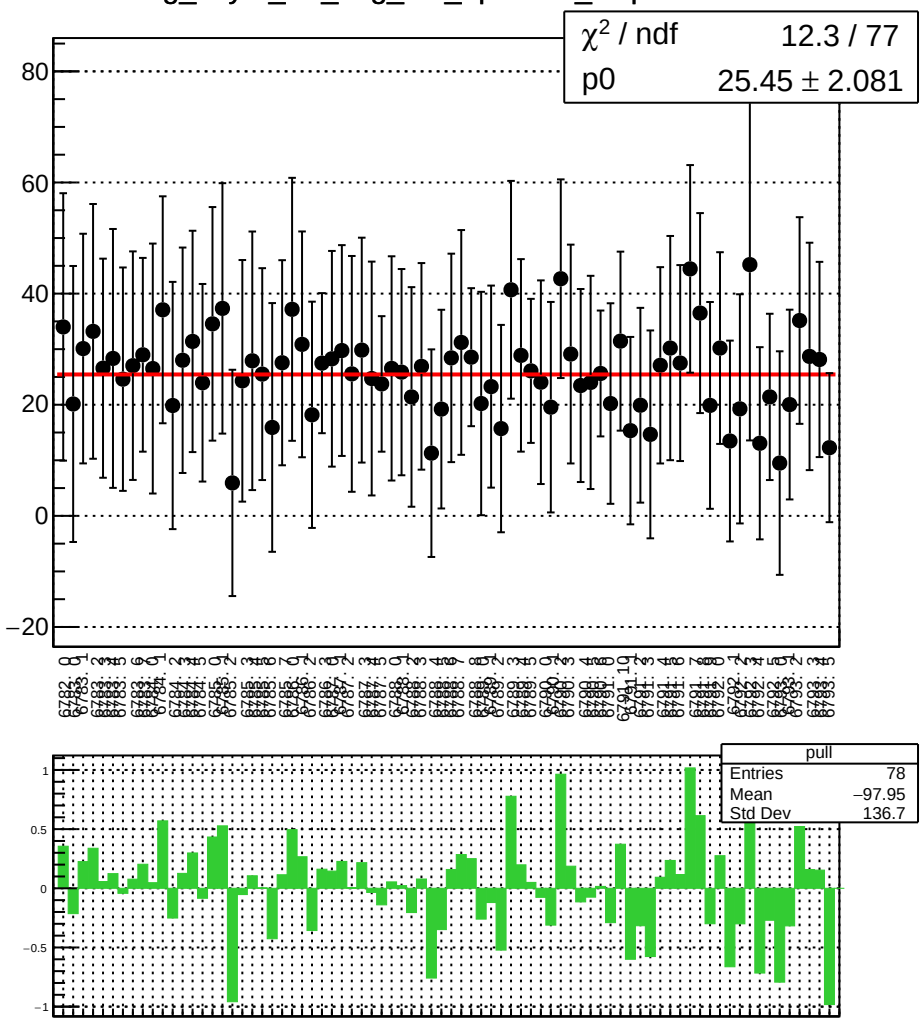

pull1D
Entries 78
Mean −0.01343
Std Dev 0.4642

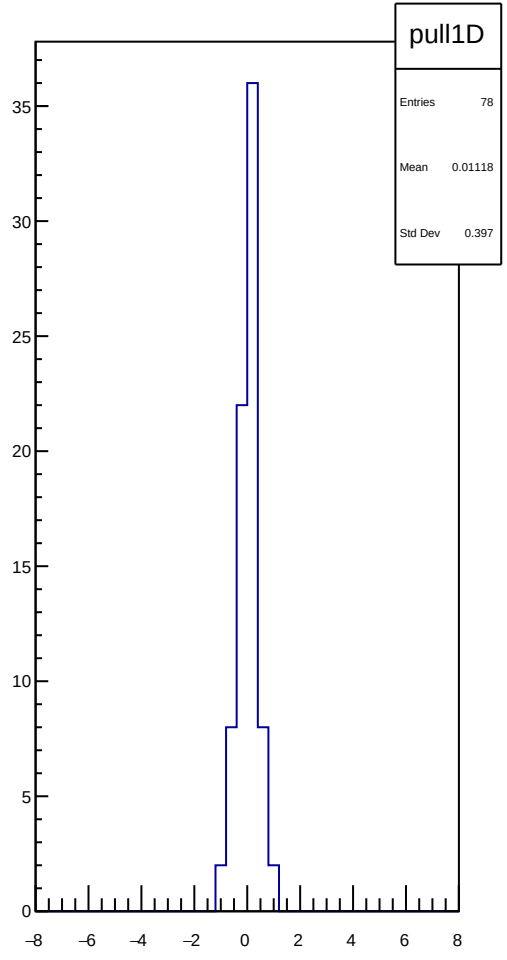

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 20.47 / 77
p0 135.7 ± 0.1926
pull
Entries 78
Mean 3478
Std Dev 3440

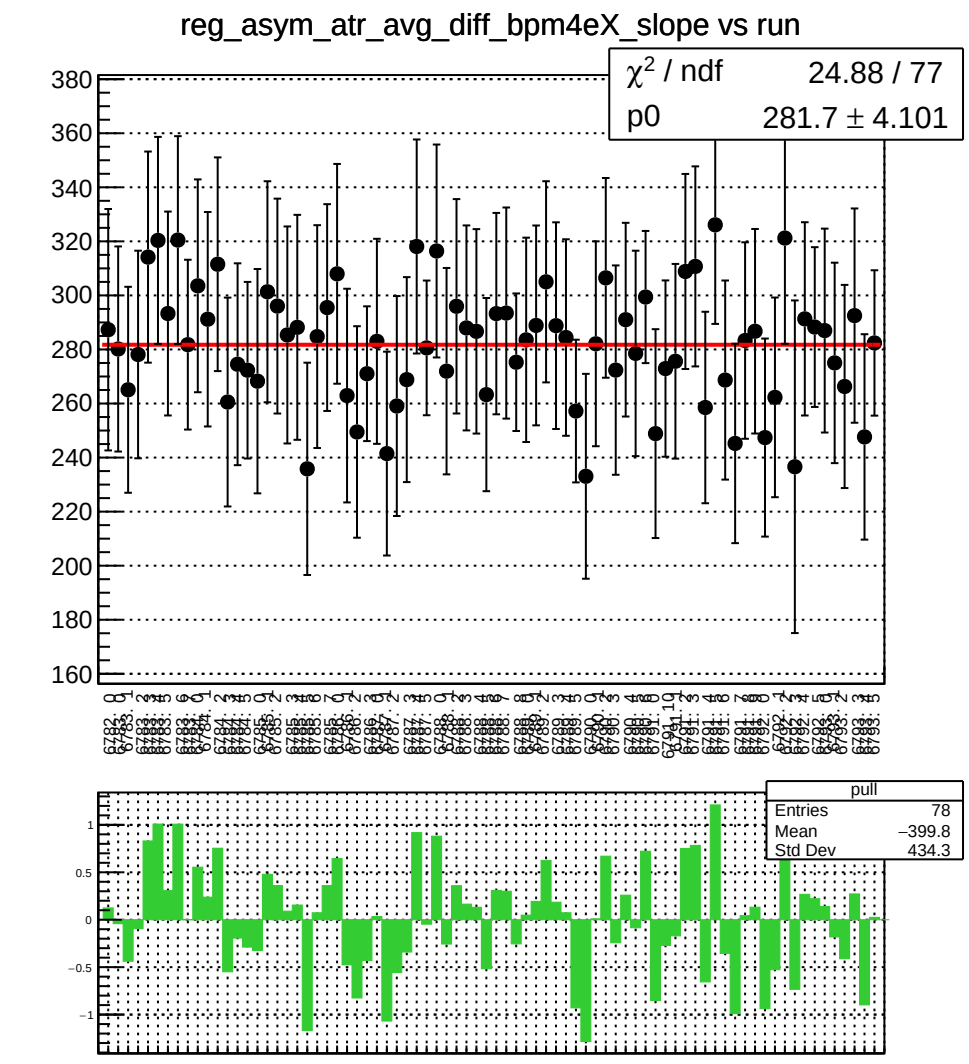

pull1D
Entries 78
Mean −0.0003844
Std Dev 0.5123

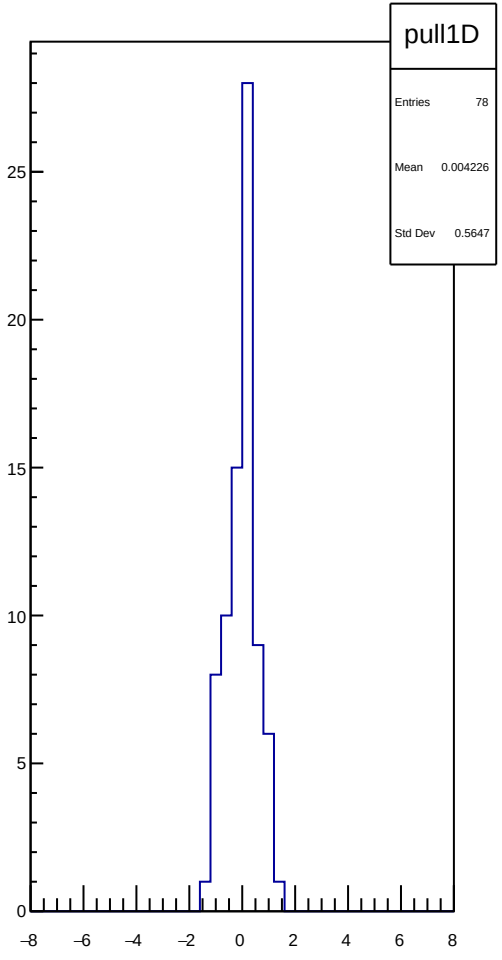

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 24.7 / 77
p0 −276.3 ± 4.392
pull
Entries 78
Mean −273
Std Dev 306.2

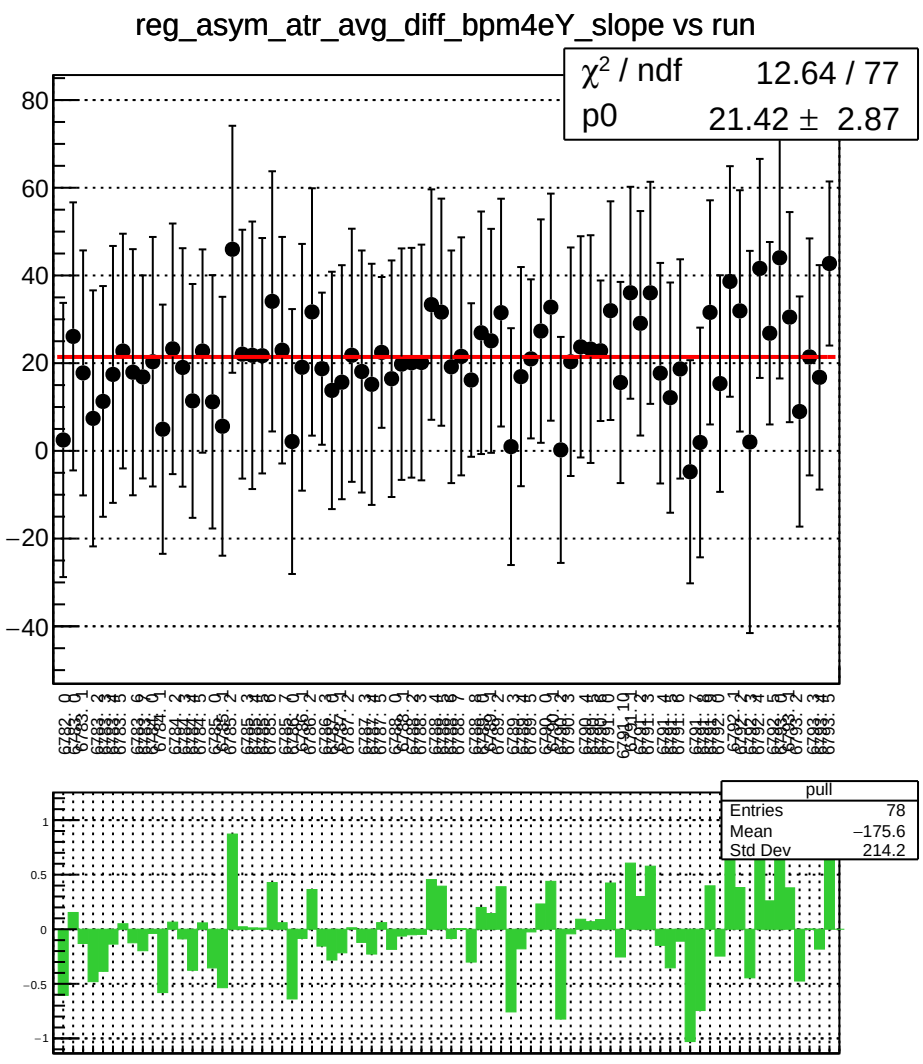

pull1D
Entries 78
Mean −0.005775
Std Dev 0.5627

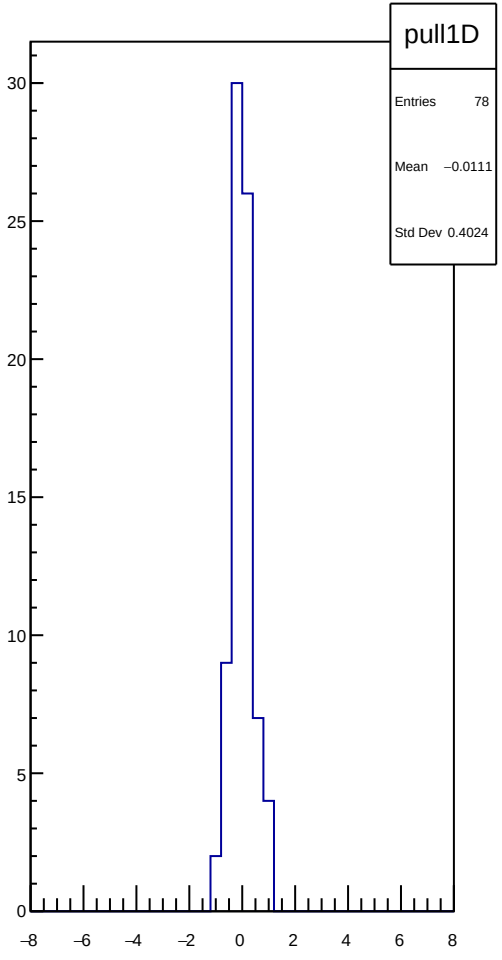

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.3 / 77
p0 25.45 ± 2.081
pull
Entries 78
Mean −97.95
Std Dev 136.7

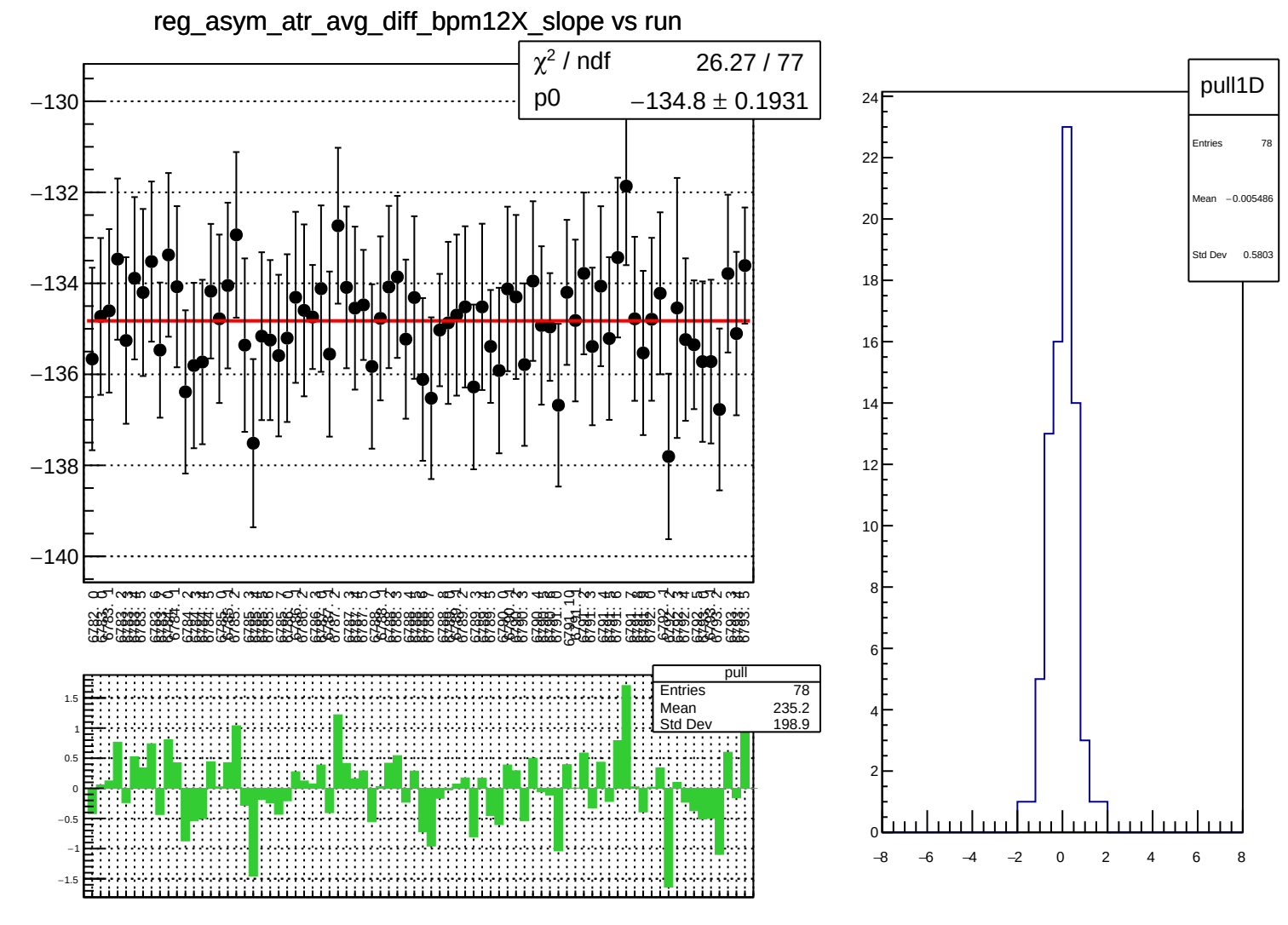

pull1D
Entries 78
Mean 0.01118
Std Dev 0.397

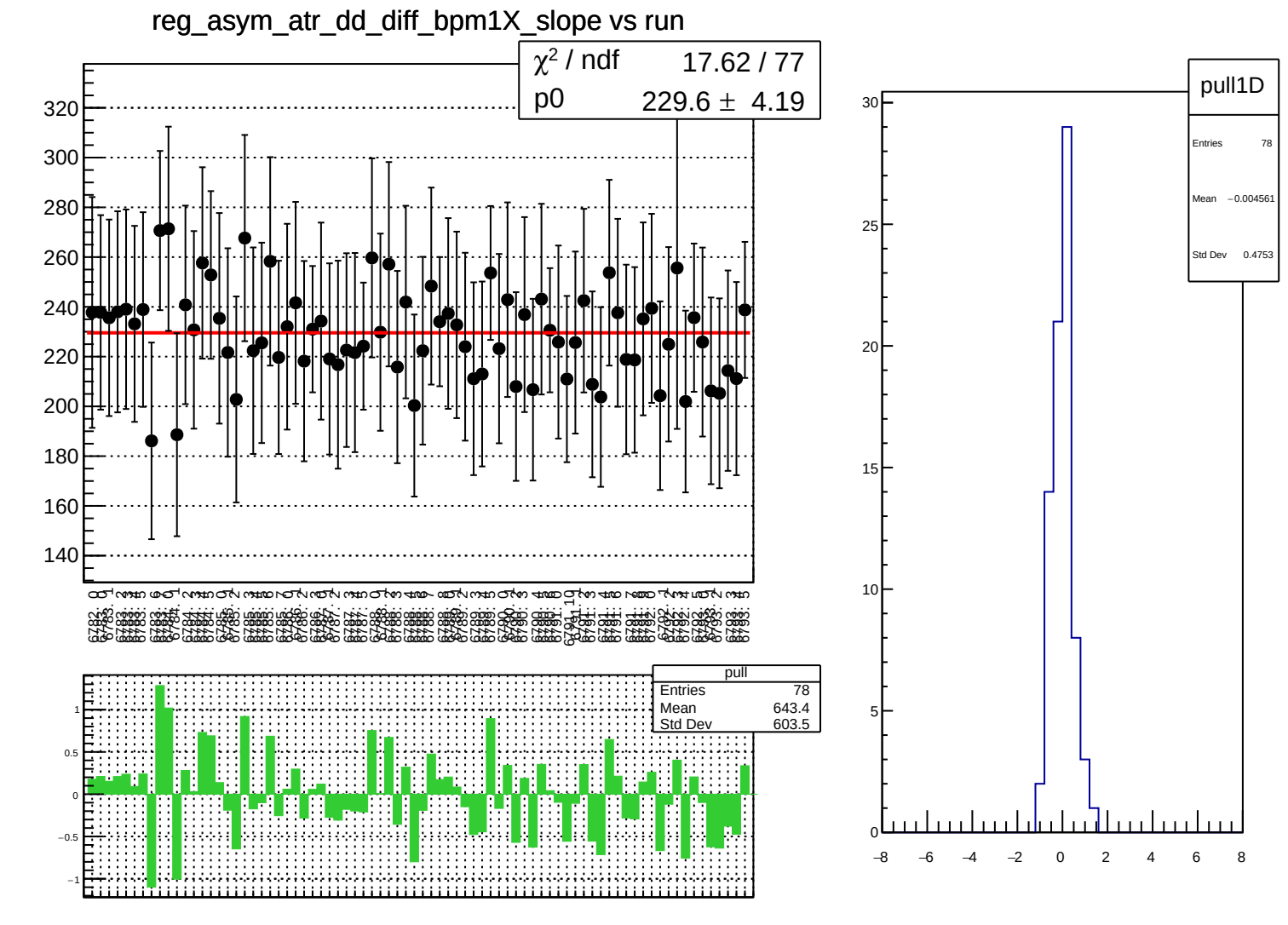

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.88 / 77
p0 281.7 ± 4.101
pull
Entries 78
Mean −399.8
Std Dev 434.3

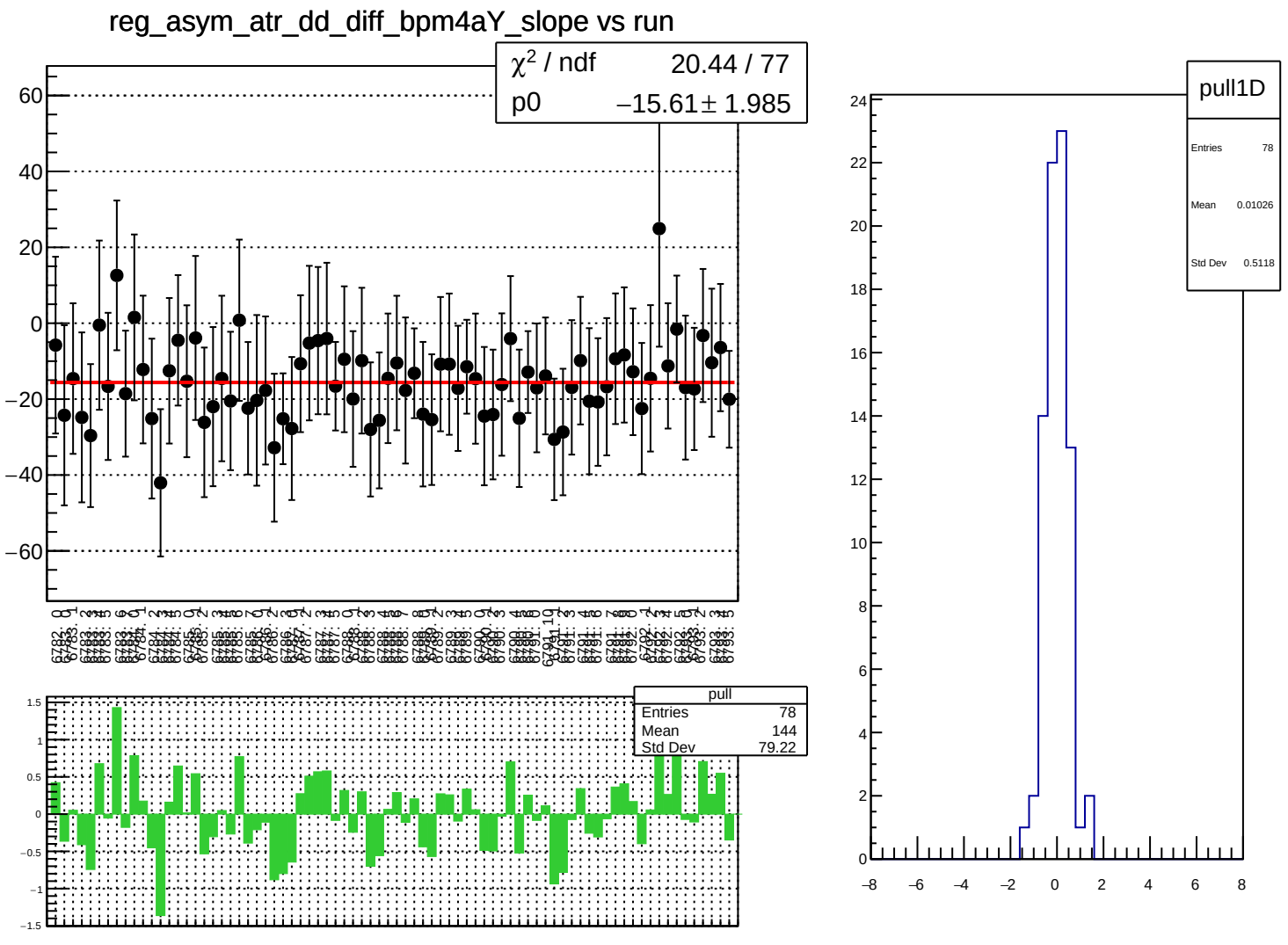

pull1D
Entries 78
Mean 0.004226
Std Dev 0.5647

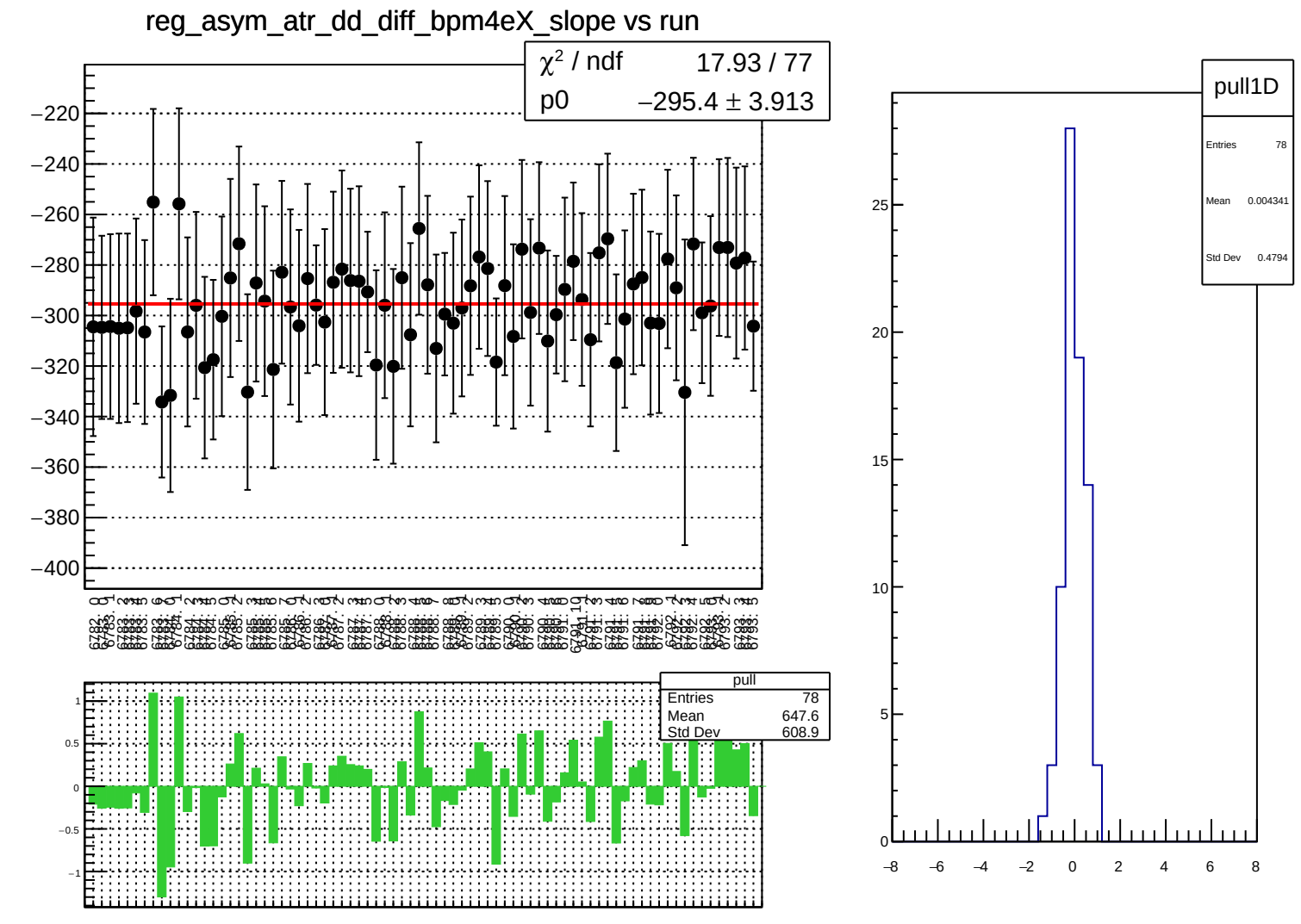

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.64 / 77
p0 21.42 ± 2.87
pull
Entries 78
Mean −175.6
Std Dev 214.2

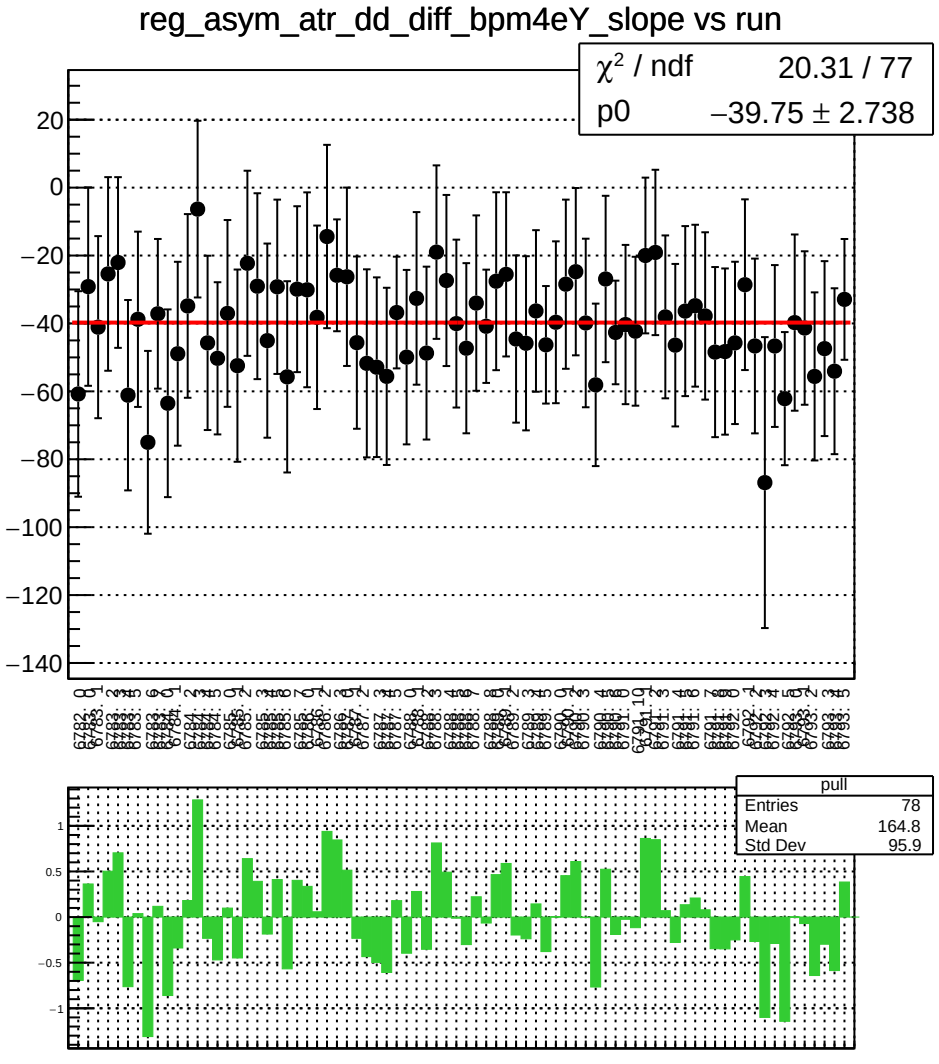

pull1D
Entries 78
Mean −0.0111
Std Dev 0.4024

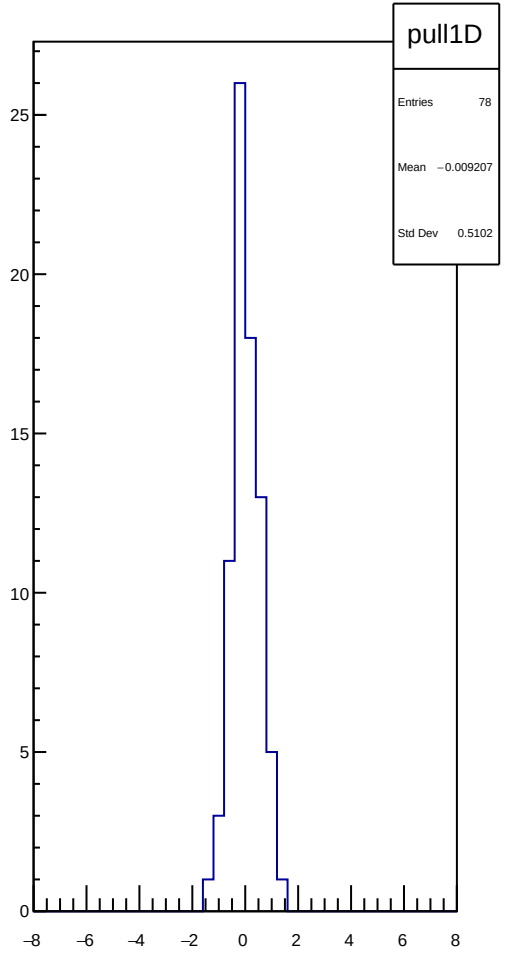

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.27 / 77
p0 −134.8 ± 0.1931
−130
−132
−134
−136
−138
−140
pull
Entries 78
Mean 235.2
Std Dev 198.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean −0.005486
Std Dev 0.5803
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

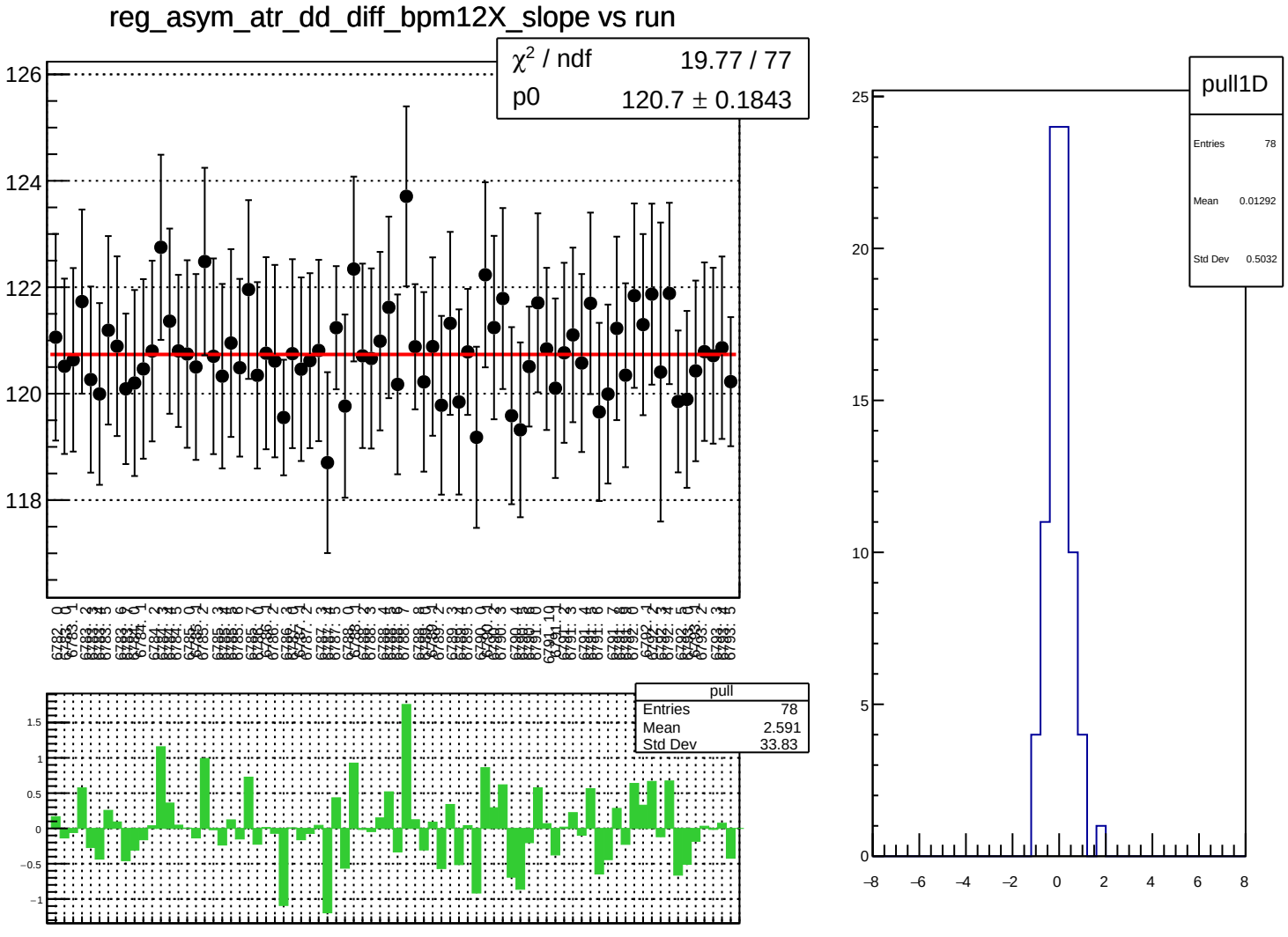

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 17.62 / 77
p0 229.6 ± 4.19
pull
Entries 78
Mean 643.4
Std Dev 603.5
pull1D
Entries 78
Mean −0.004561
Std Dev 0.4753

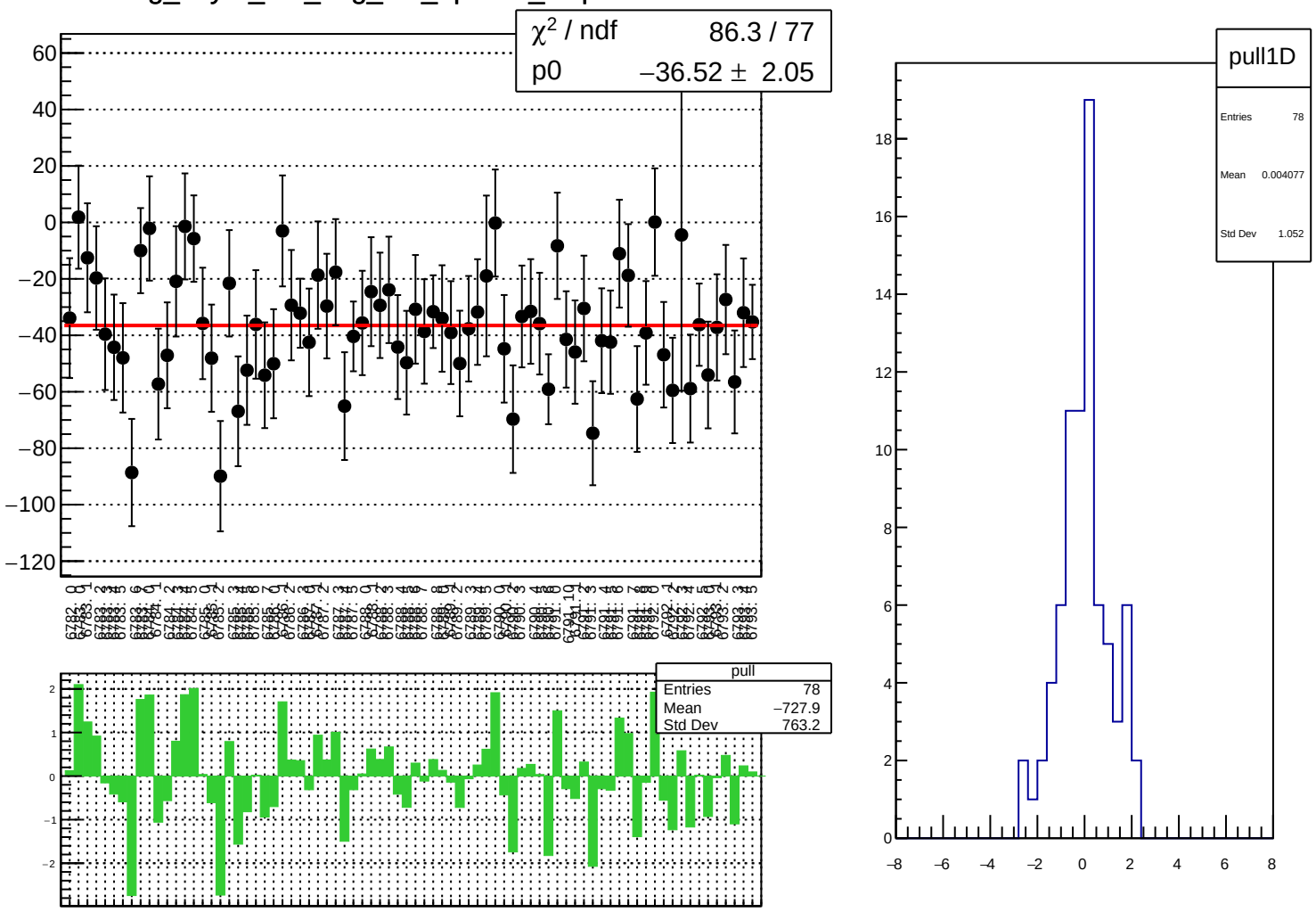

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.44 / 77
p0 −15.61± 1.985
pull
Entries 78
Mean 144
Std Dev 79.22
pull1D
Entries 78
Mean 0.01026
Std Dev 0.5118

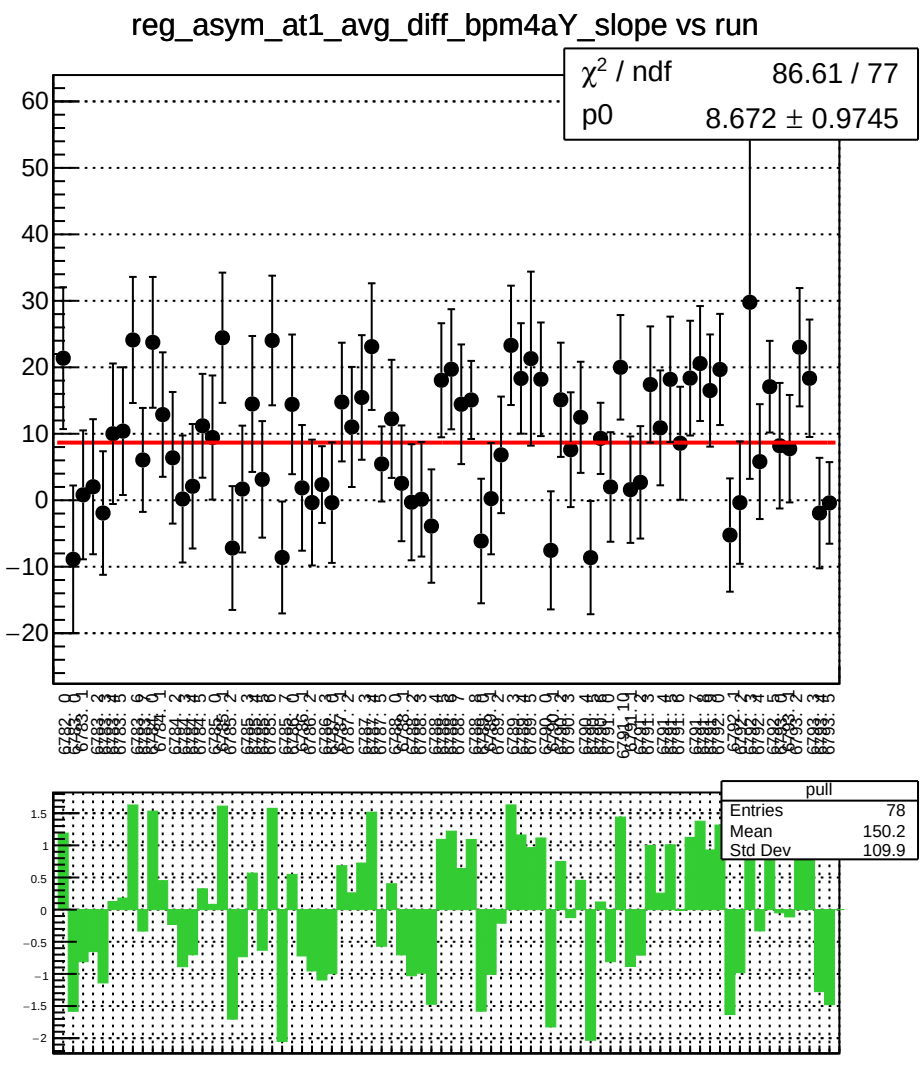

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.93 / 77
p0 −295.4 ± 3.913
pull
Entries 78
Mean 647.6
Std Dev 608.9
pull1D
Entries 78
Mean 0.004341
Std Dev 0.4794

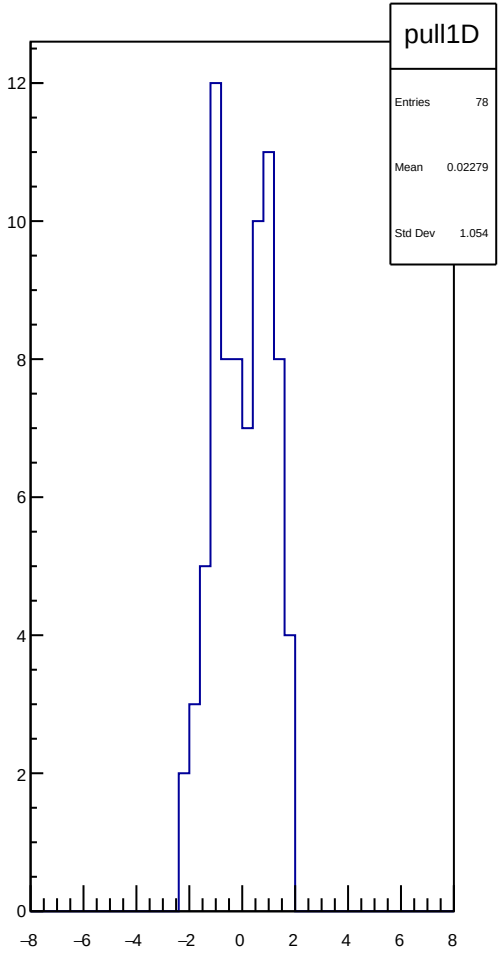

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.31 / 77
p0 −39.75 ± 2.738
pull
Entries 78
Mean 164.8
Std Dev 95.9

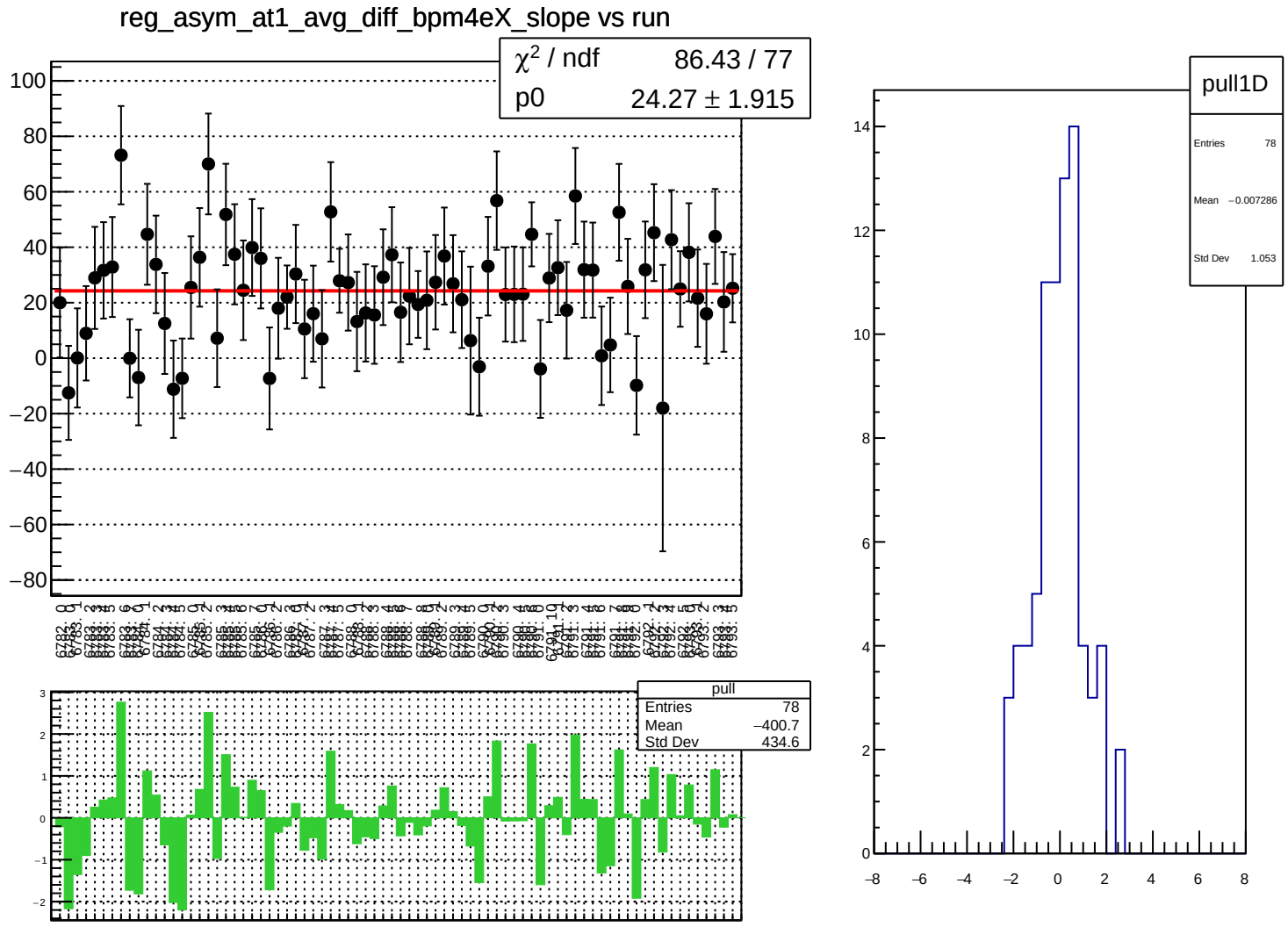

pull1D
Entries 78
Mean −0.009207
Std Dev 0.5102

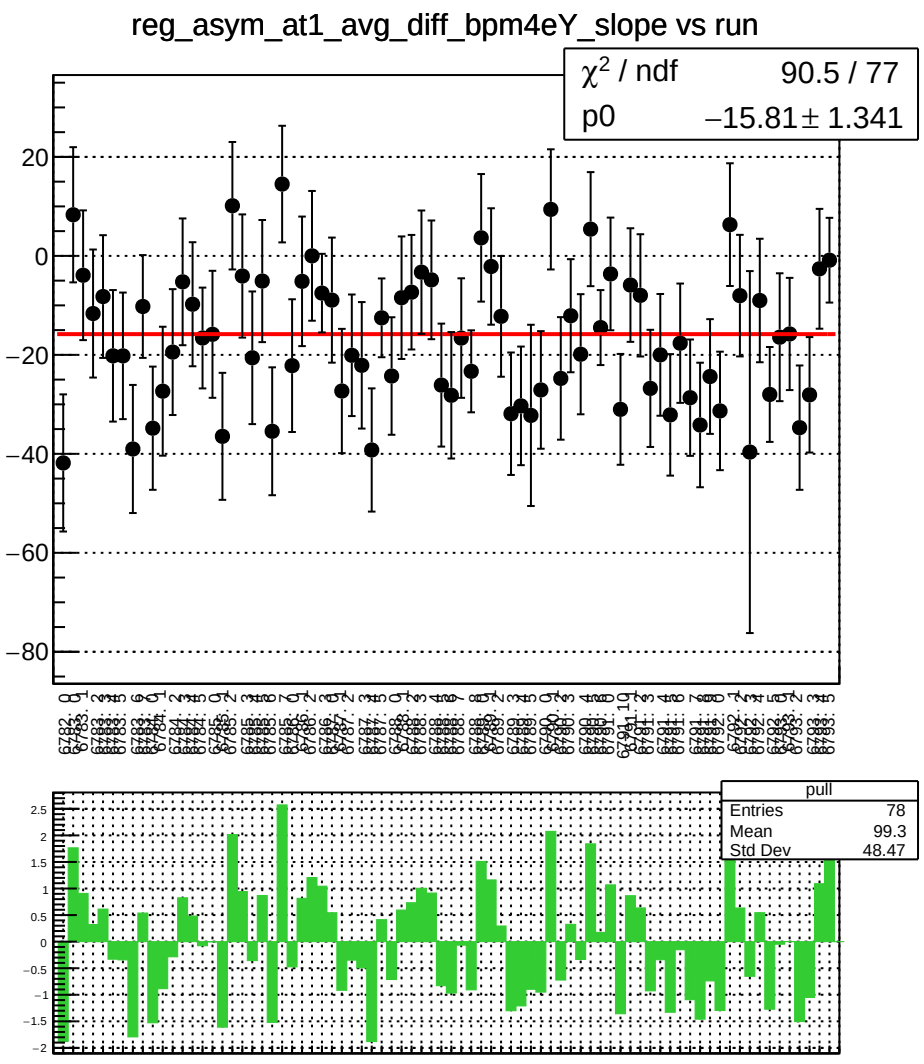

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 19.77 / 77
p0 120.7 ± 0.1843
126
124
122
120
118
pull
Entries 78
Mean 2.591
Std Dev 33.83
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 78
Mean 0.01292
Std Dev 0.5032
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

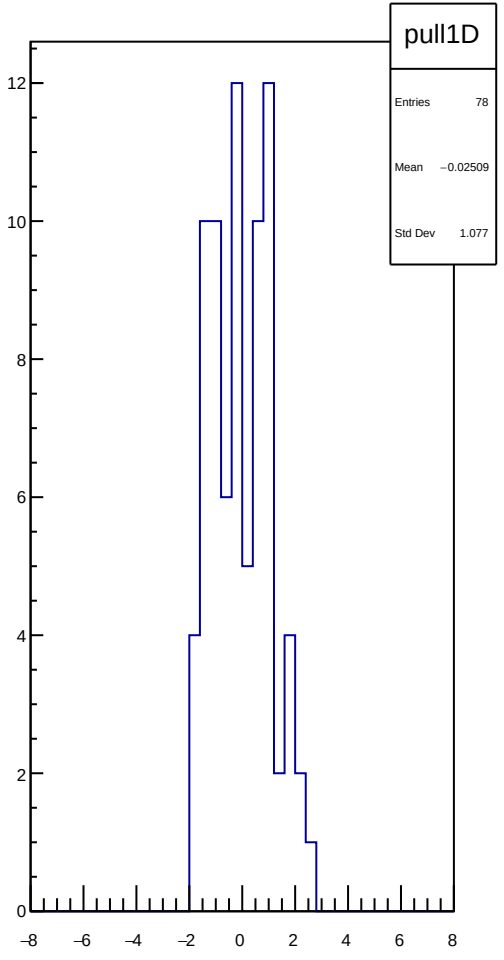

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 86.3 / 77
p0 −36.52 ± 2.05
pull
Entries 78
Mean −727.9
Std Dev 763.2
pull1D
Entries 78
Mean 0.004077
Std Dev 1.052

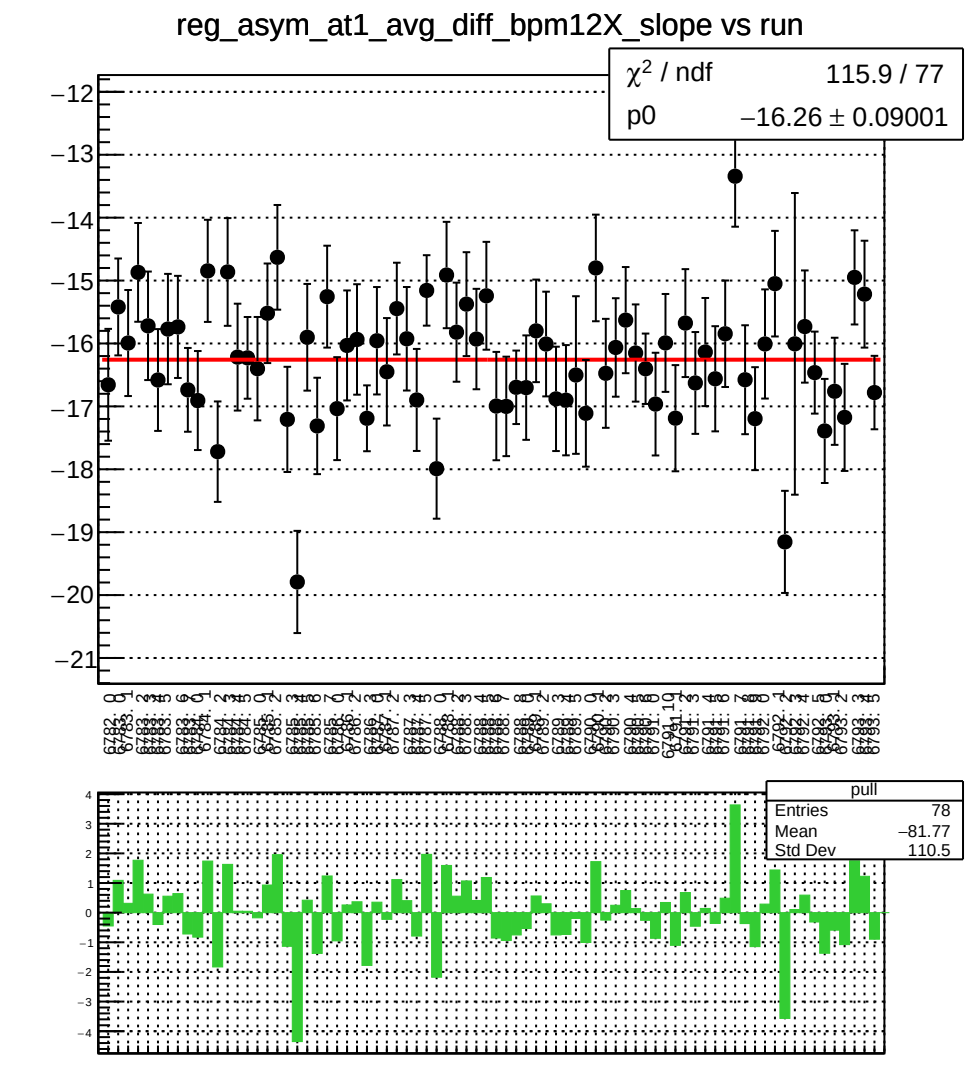

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 86.61 / 77
p0 8.672 ± 0.9745
pull
Entries 78
Mean 150.2
Std Dev 109.9

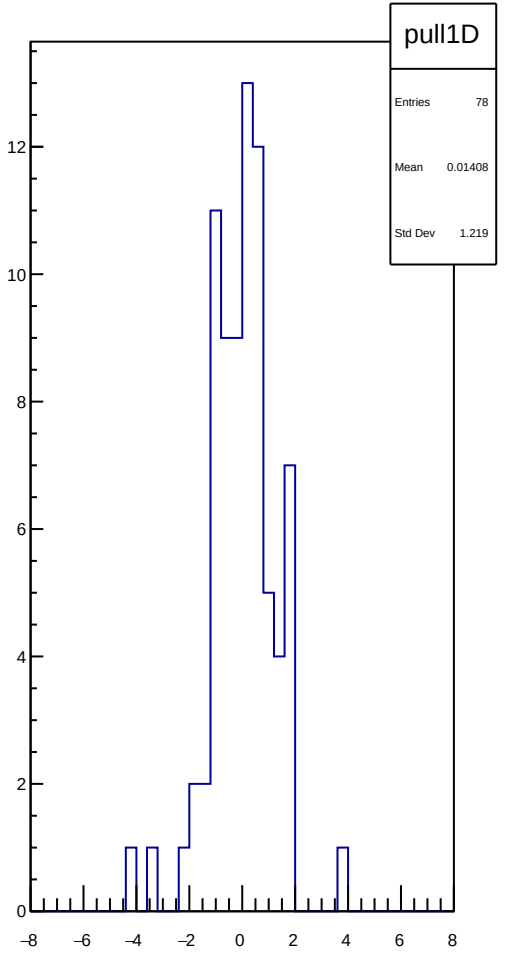

pull1D
Entries 78
Mean 0.02279
Std Dev 1.054

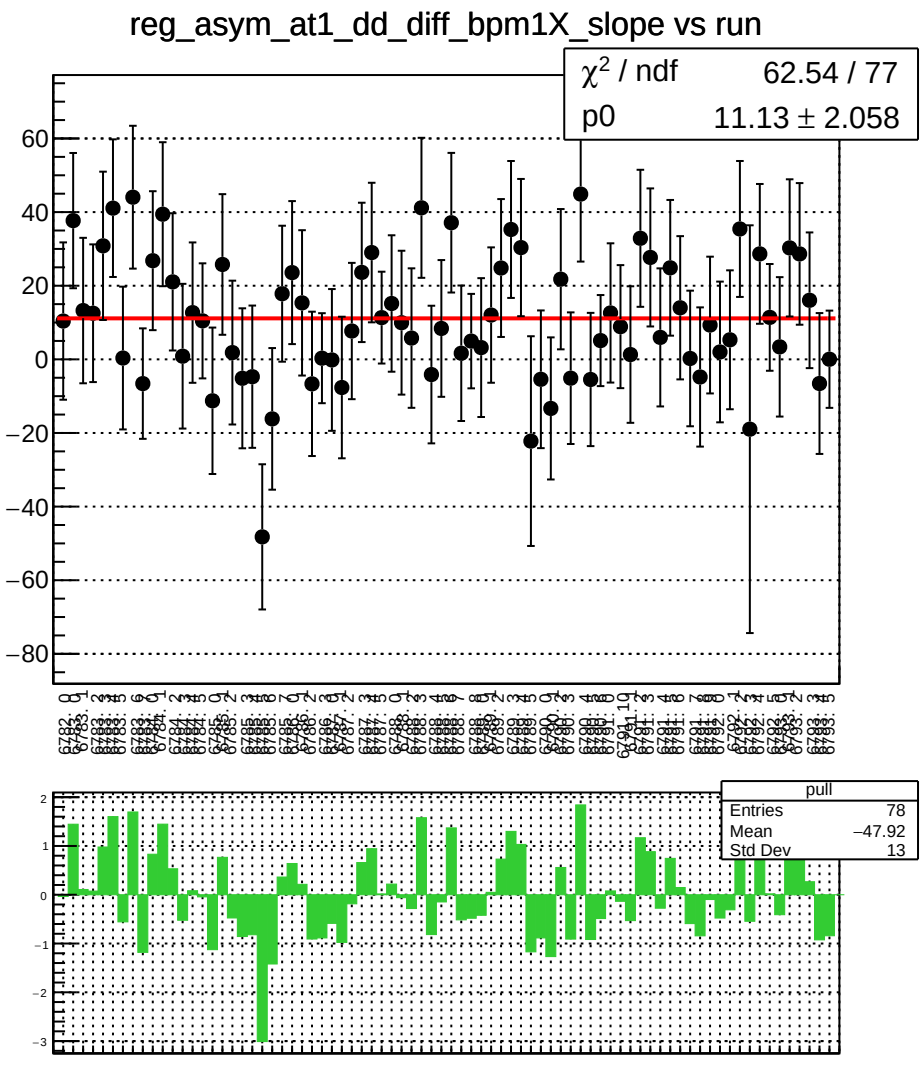

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.43 / 77
p0 24.27 ± 1.915
pull
Entries 78
Mean −400.7
Std Dev 434.6
pull1D
Entries 78
Mean −0.007286
Std Dev 1.053

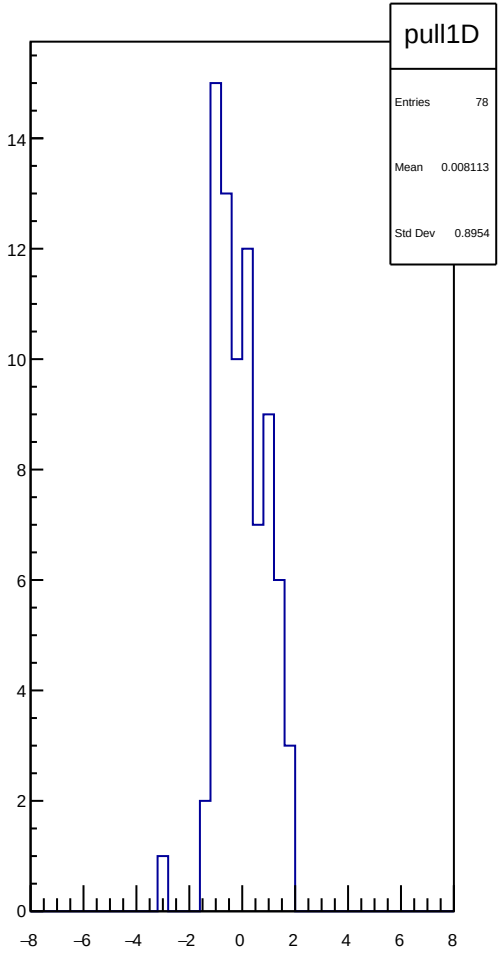

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.5 / 77
p0 −15.81 ± 1.341
pull
Entries 78
Mean 99.3
Std Dev 48.47

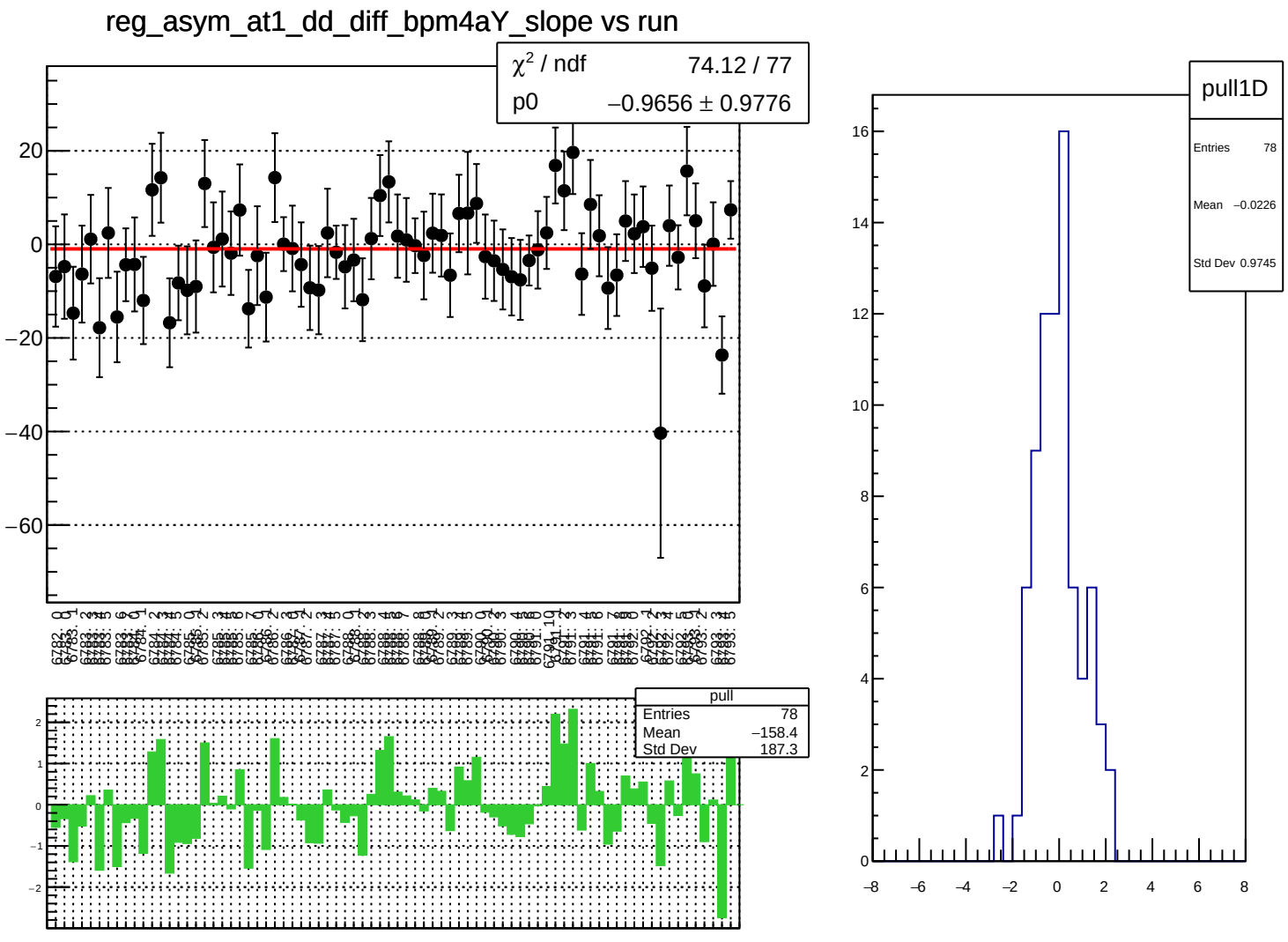

pull1D
Entries 78
Mean −0.02509
Std Dev 1.077

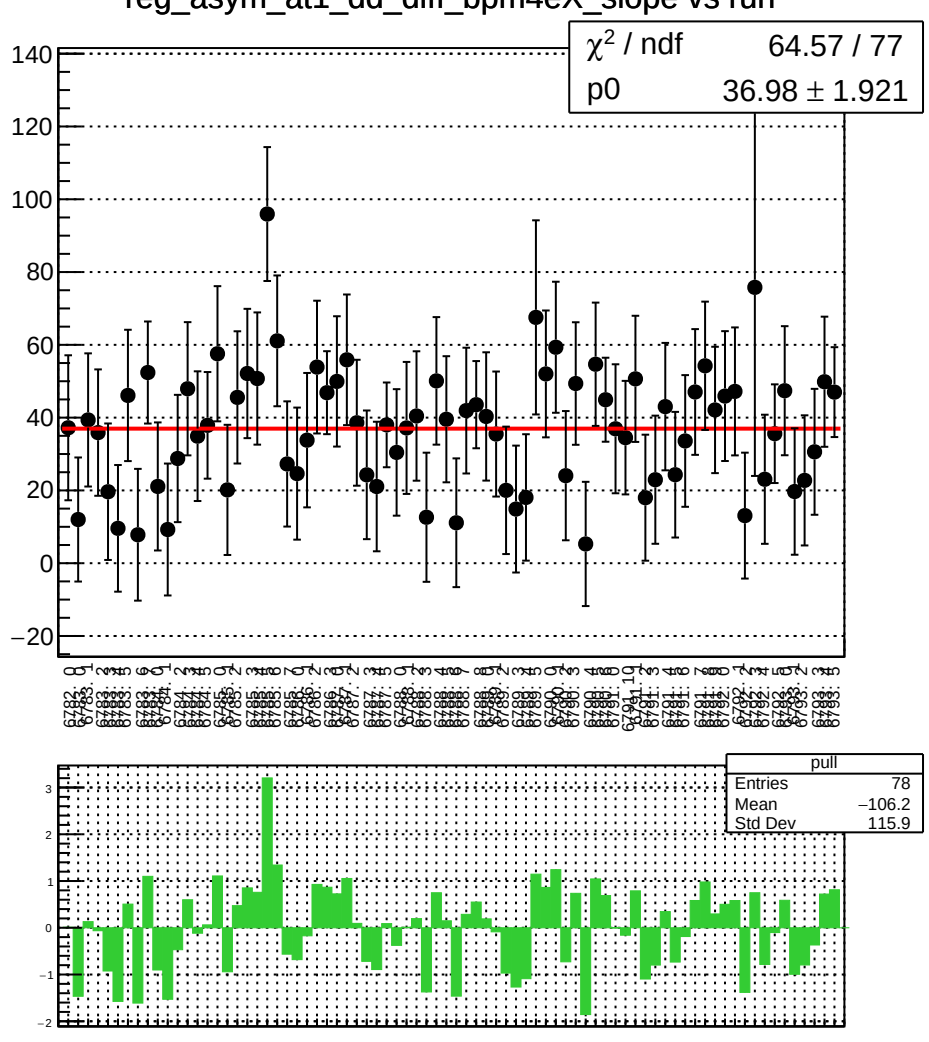

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 115.9 / 77
p0 −16.26 ± 0.09001
pull
Entries 78
Mean −81.77
Std Dev 110.5

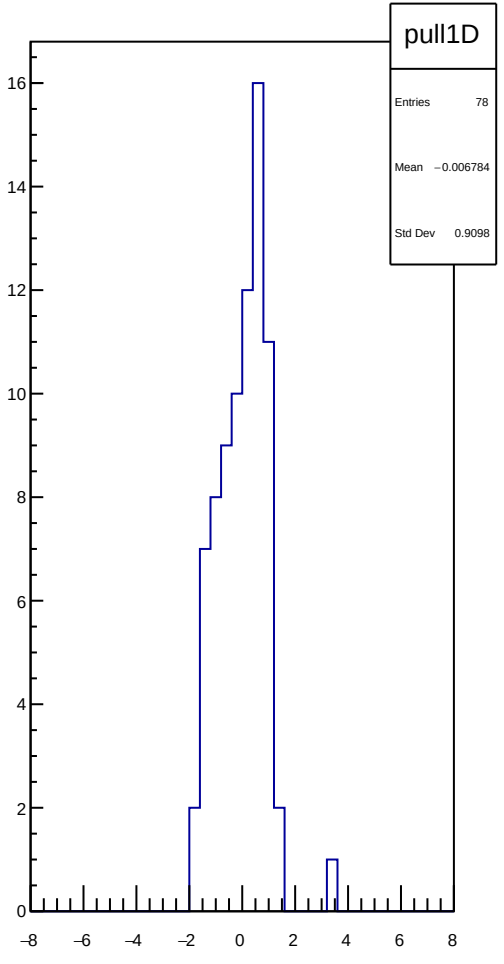

pull1D
Entries 78
Mean 0.01408
Std Dev 1.219

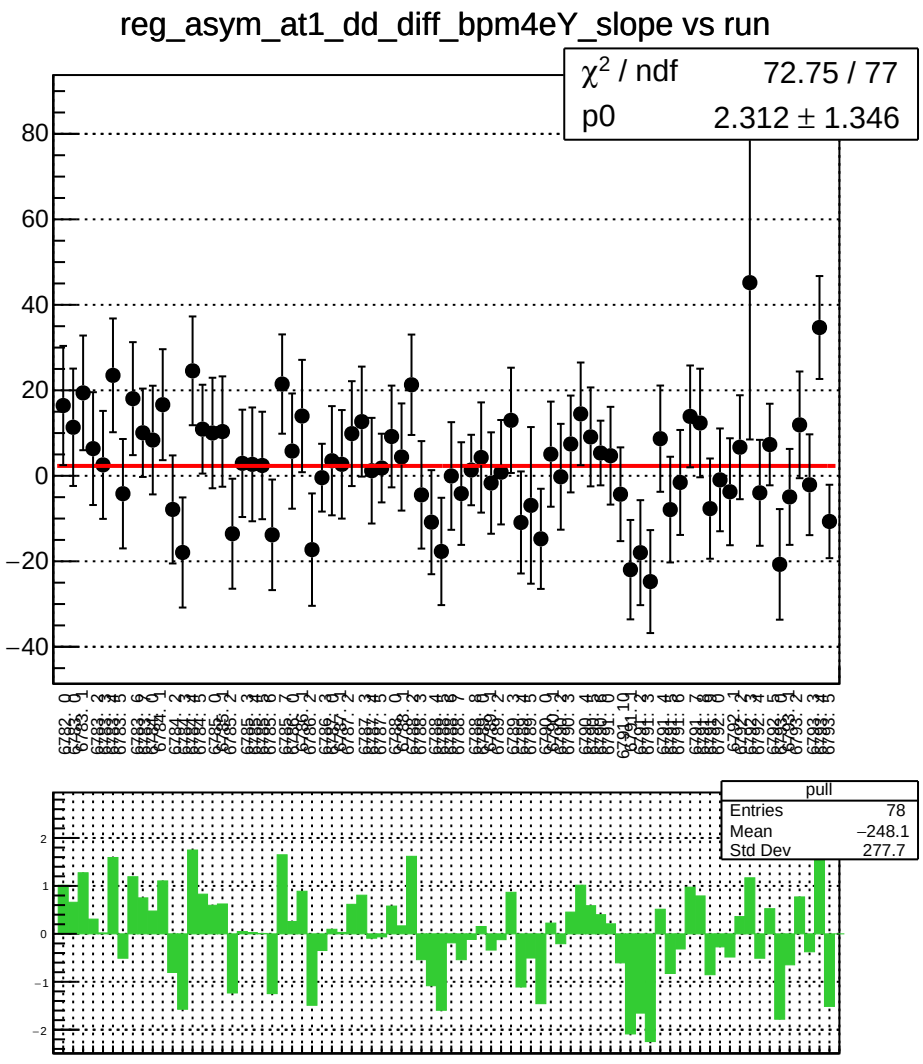

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.54 / 77
p0 11.13 ± 2.058
pull
Entries 78
Mean −47.92
Std Dev 13

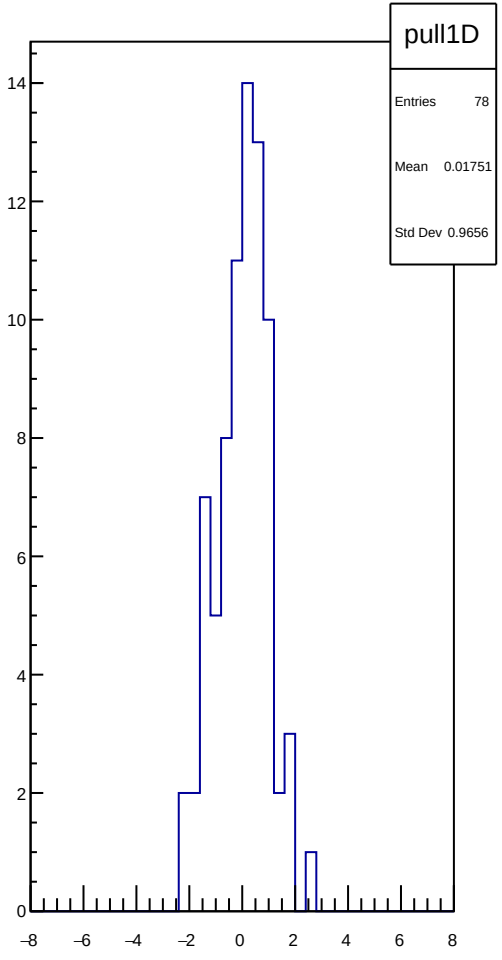

pull1D
Entries 78
Mean 0.008113
Std Dev 0.8954

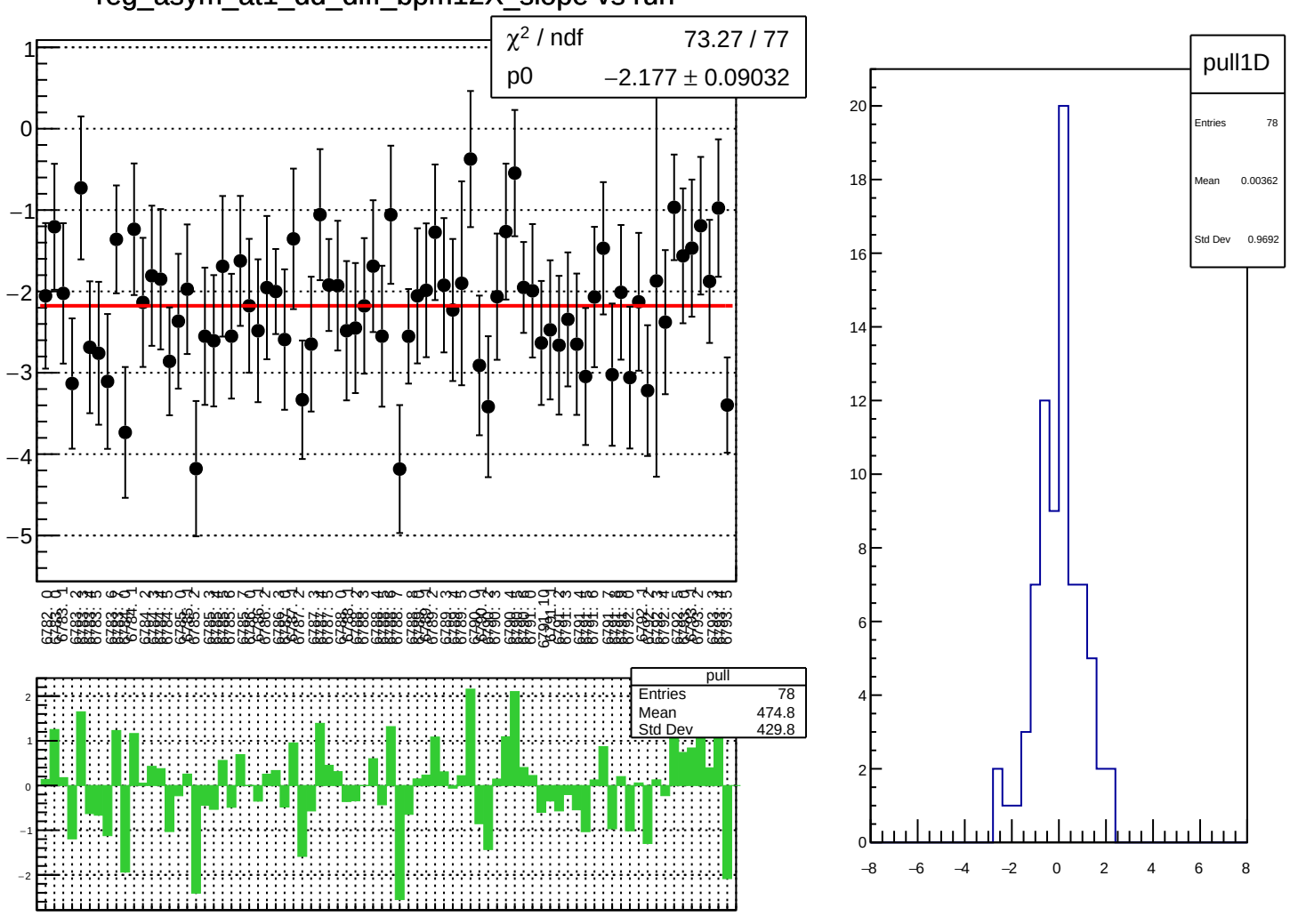

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74.12 / 77
p0 −0.9656 ± 0.9776
pull
Entries 78
Mean −158.4
Std Dev 187.3
pull1D
Entries 78
Mean −0.0226
Std Dev 0.9745

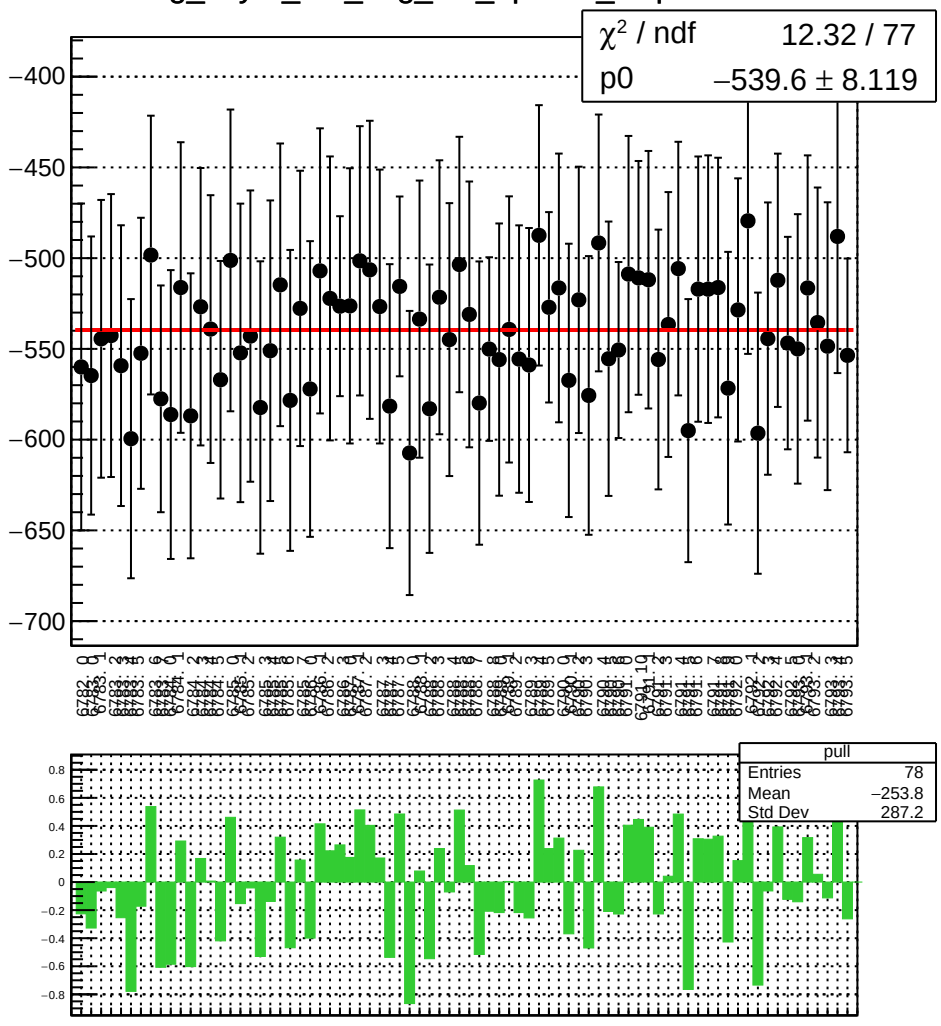

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.57 / 77
p0 36.98 ± 1.921
pull
Entries 78
Mean −106.2
Std Dev 115.9

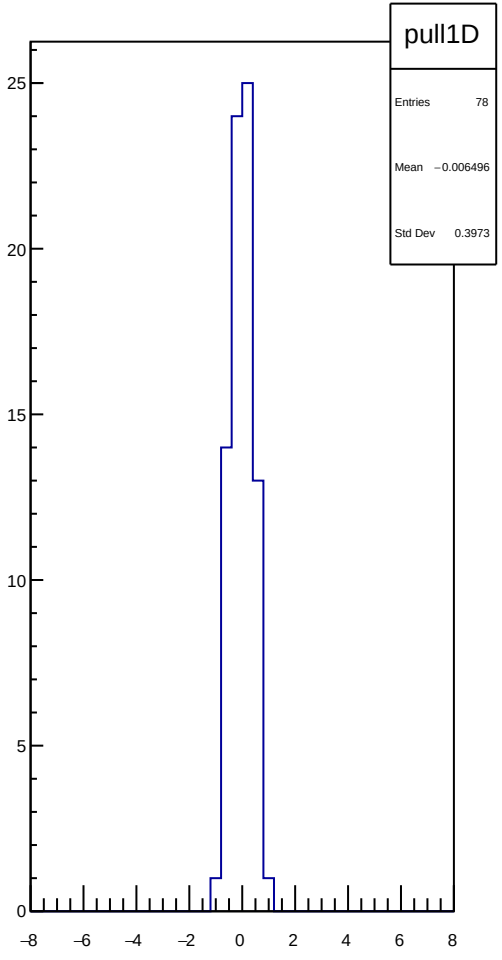

pull1D
Entries 78
Mean −0.006784
Std Dev 0.9098

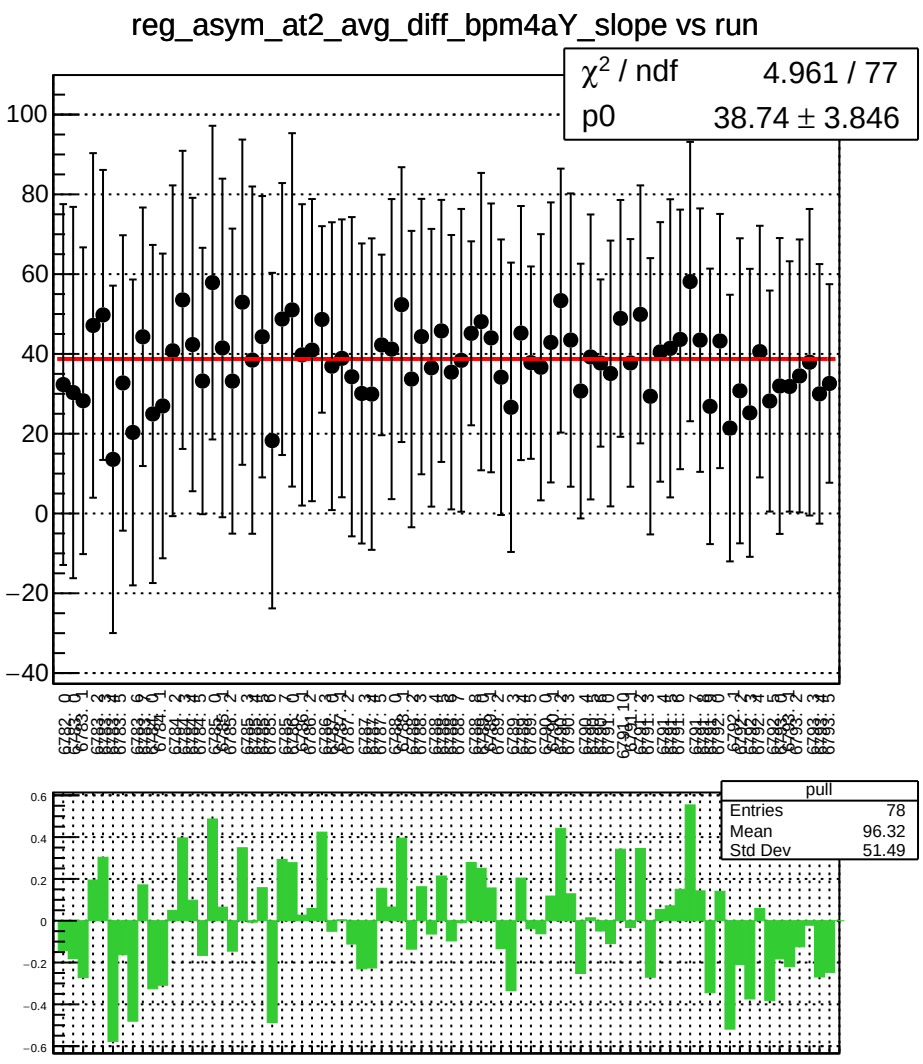

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.75 / 77
p0 2.312 ± 1.346
pull
Entries 78
Mean −248.1
Std Dev 277.7

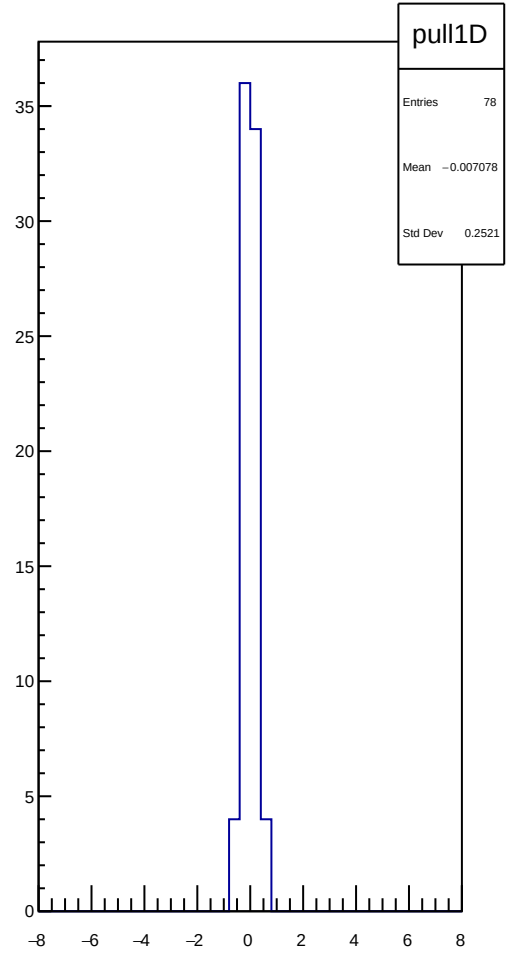

pull1D
Entries 78
Mean 0.01751
Std Dev 0.9656

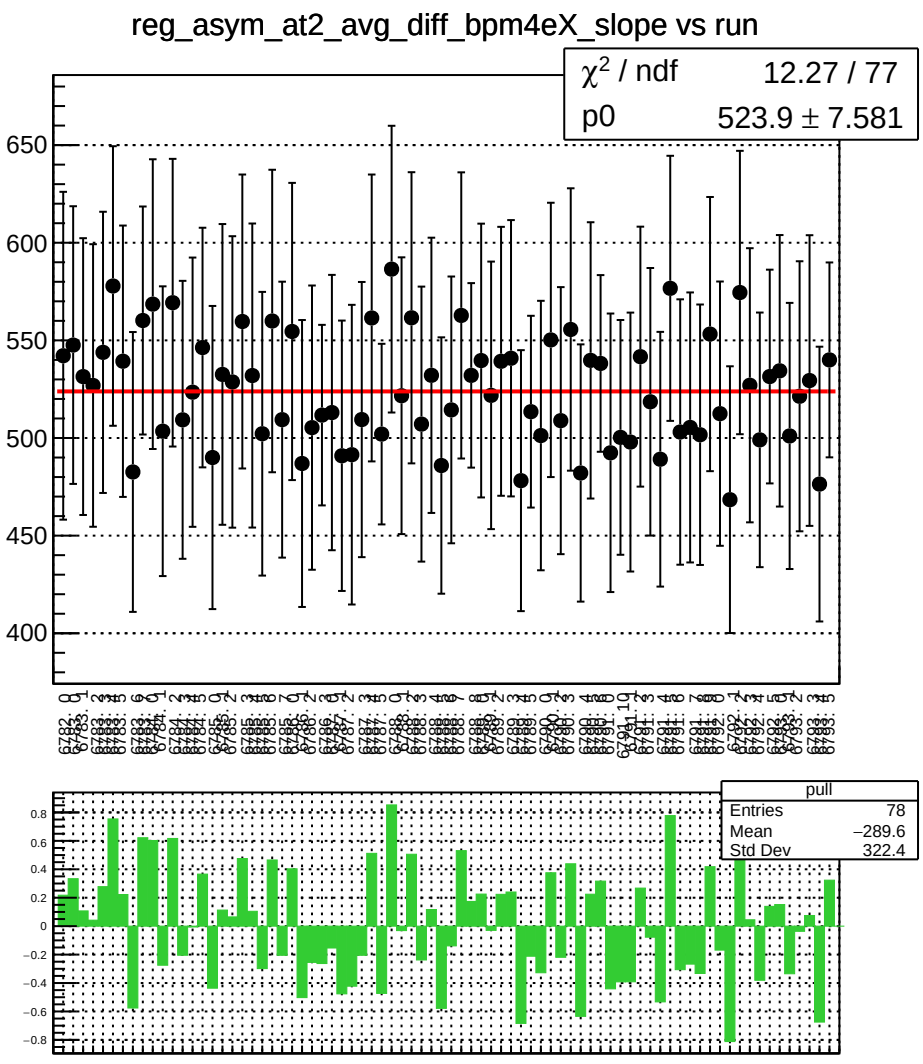

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.27 / 77
p0 −2.177 ± 0.09032
pull
Entries 78
Mean 474.8
Std Dev 429.8
pull1D
Entries 78
Mean 0.00362
Std Dev 0.9692

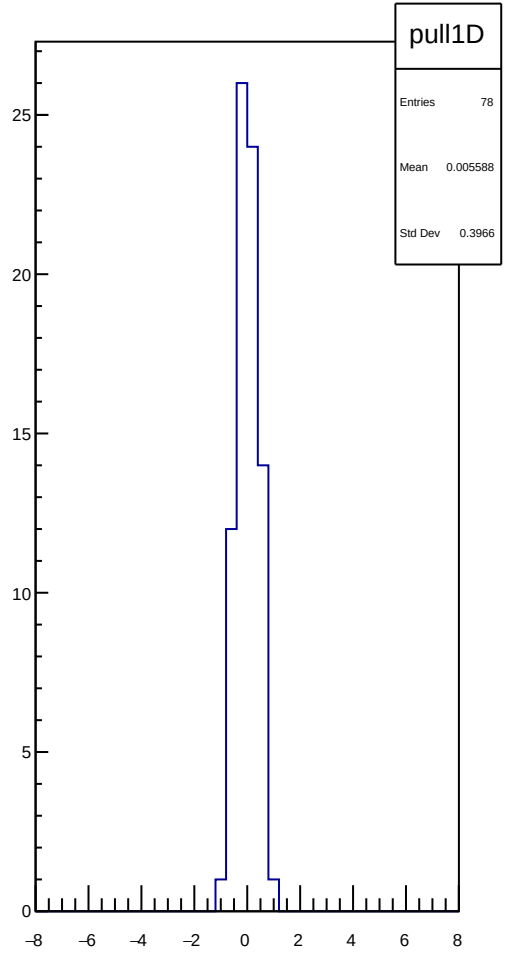

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 12.32 / 77
p0 −539.6 ± 8.119
pull
Entries 78
Mean −253.8
Std Dev 287.2

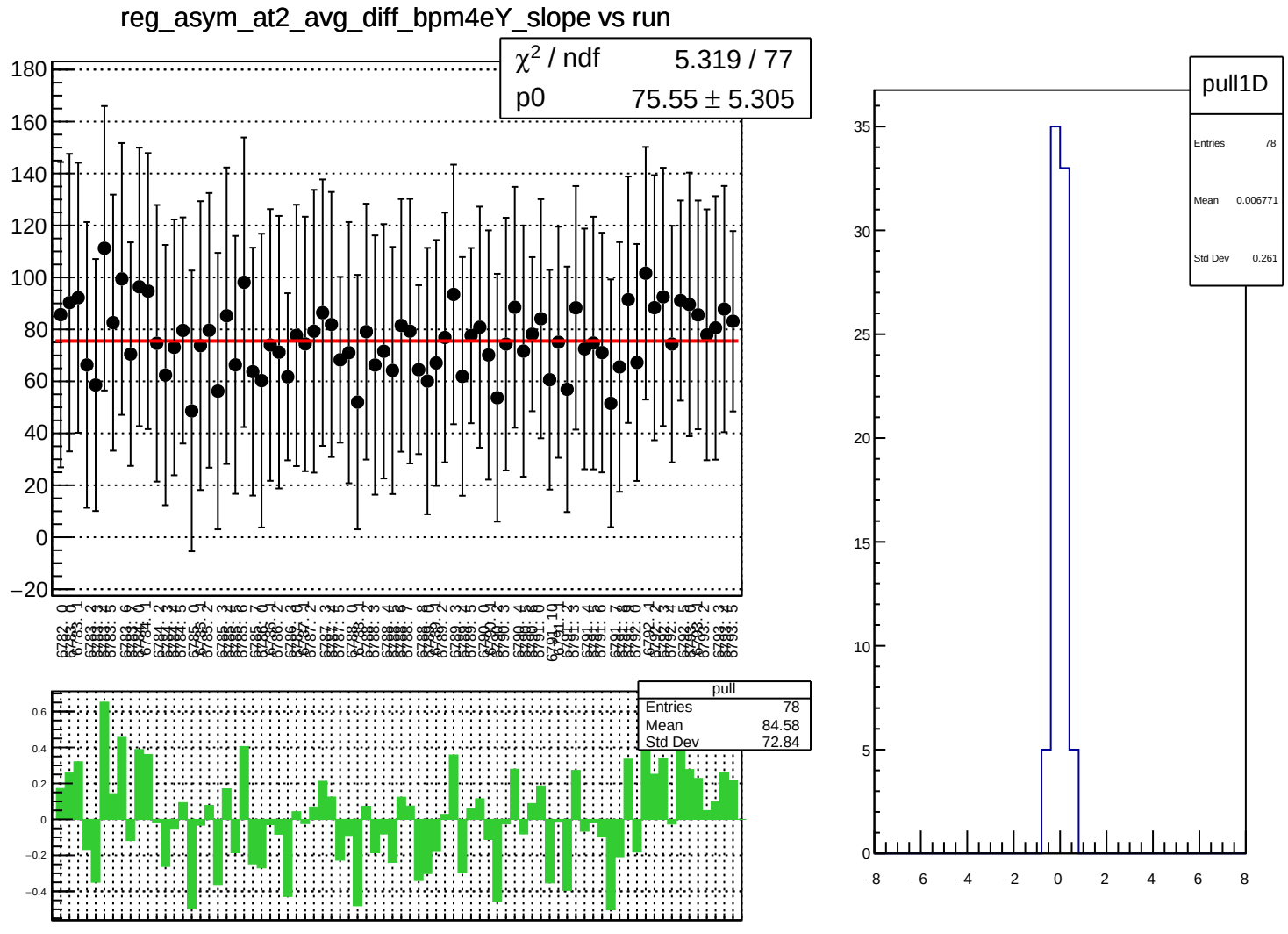

pull1D
Entries 78
Mean −0.006496
Std Dev 0.3973

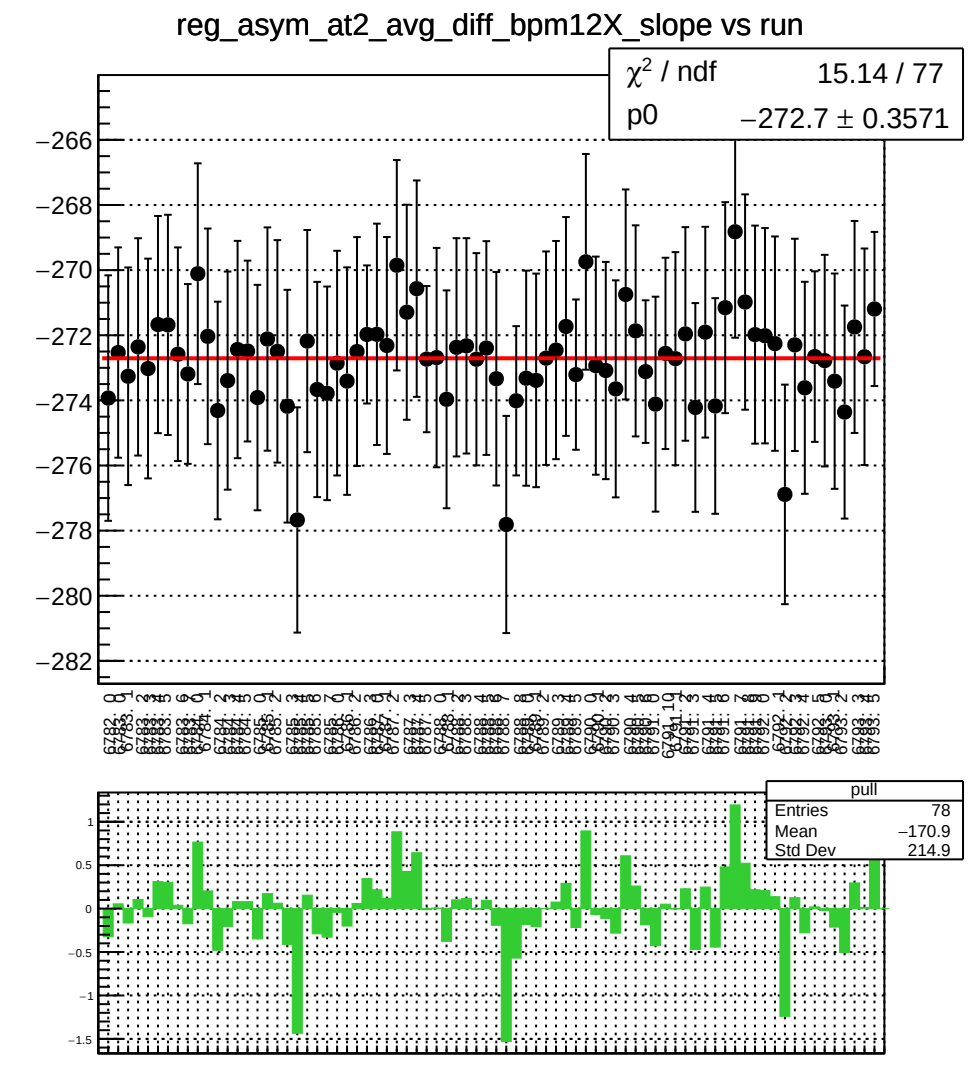

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.961 / 77
p0 38.74 ± 3.846
pull
Entries 78
Mean 96.32
Std Dev 51.49

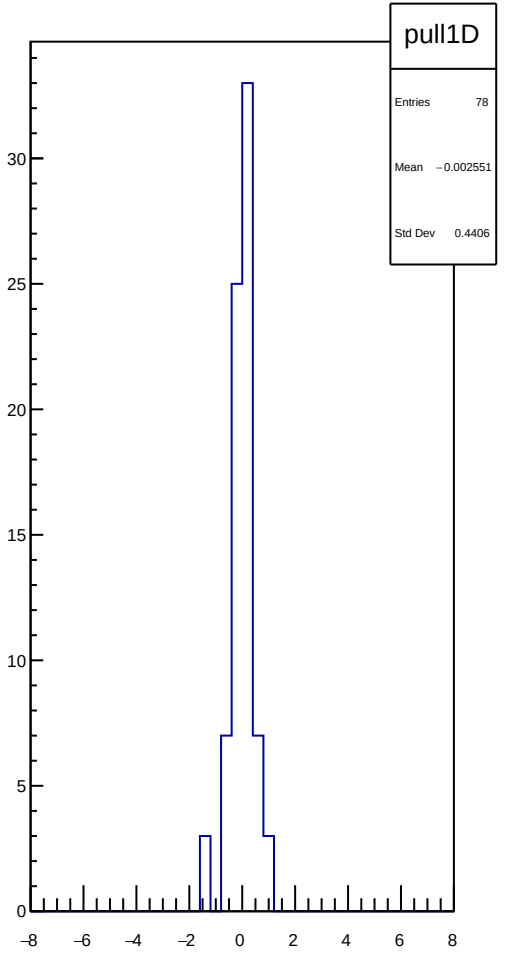

pull1D
Entries 78
Mean −0.007078
Std Dev 0.2521

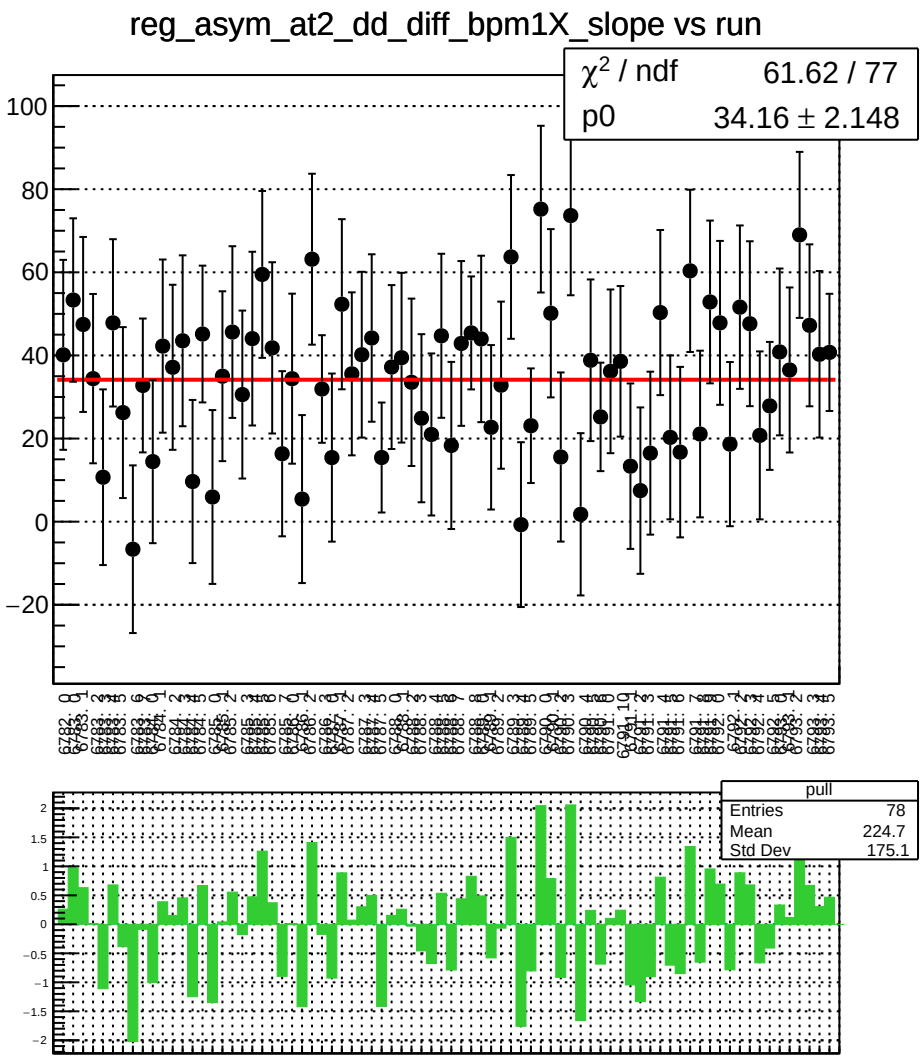

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.27 / 77
p0 523.9 ± 7.581
650
600
550
500
450
400
pull
Entries 78
Mean −289.6
Std Dev 322.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

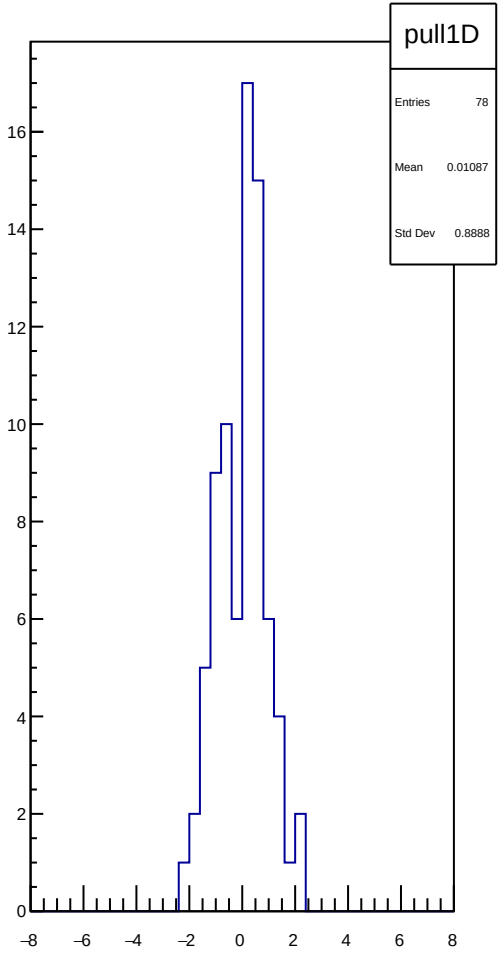

pull1D
Entries 78
Mean 0.005588
Std Dev 0.3966
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

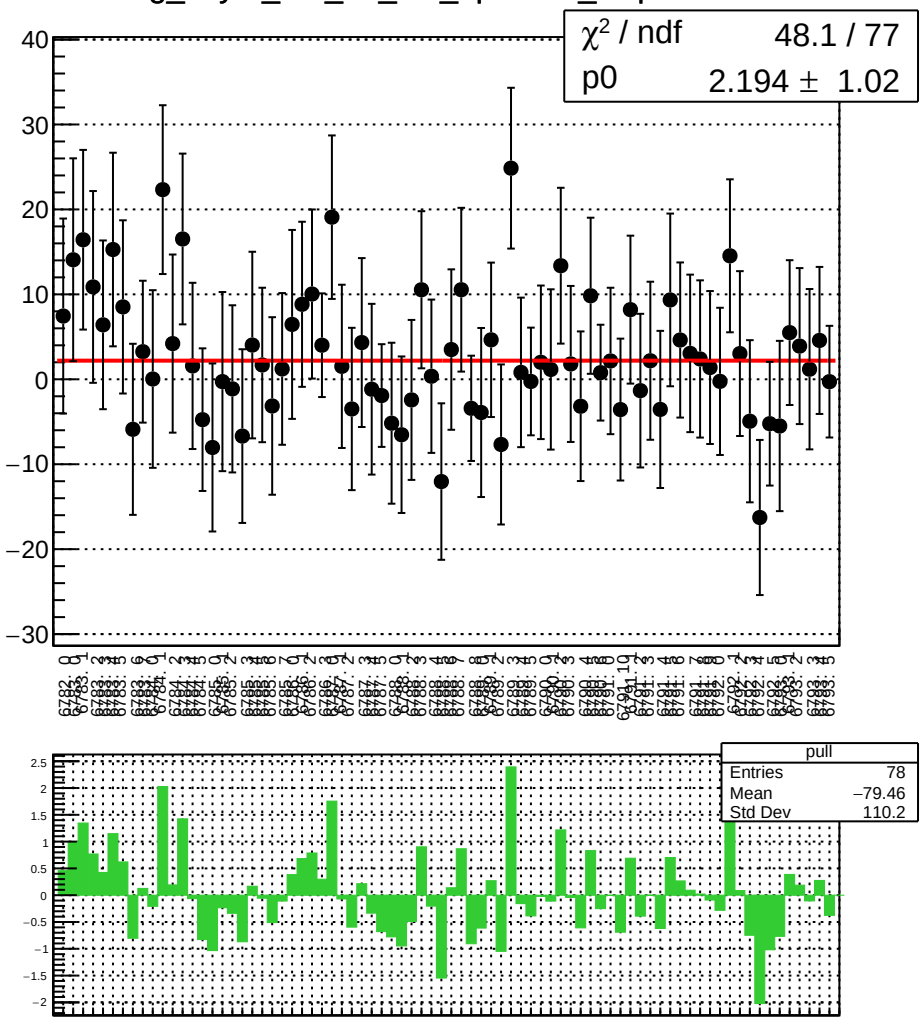

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.319 / 77
p0 75.55 ± 5.305
pull
Entries 78
Mean 84.58
Std Dev 72.84
pull1D
Entries 78
Mean 0.006771
Std Dev 0.261

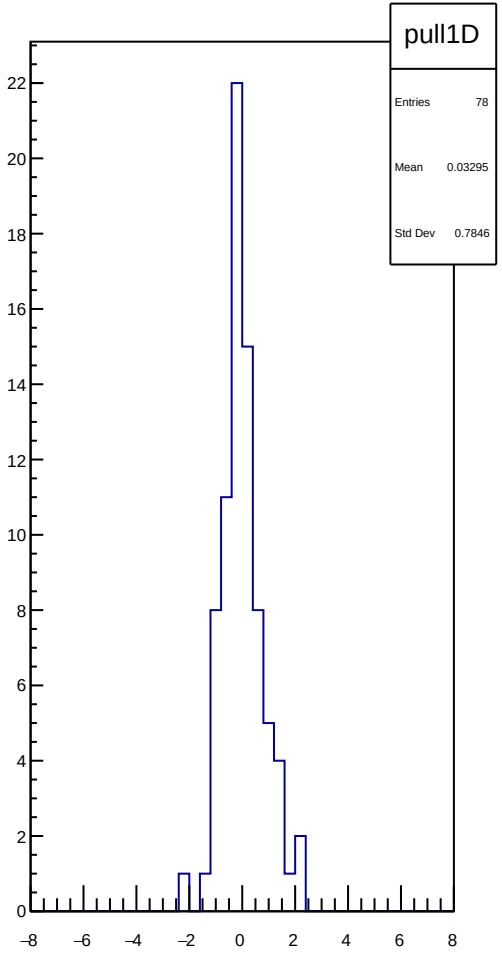

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.14 / 77
p0 −272.7 ± 0.3571
pull
Entries 78
Mean −170.9
Std Dev 214.9

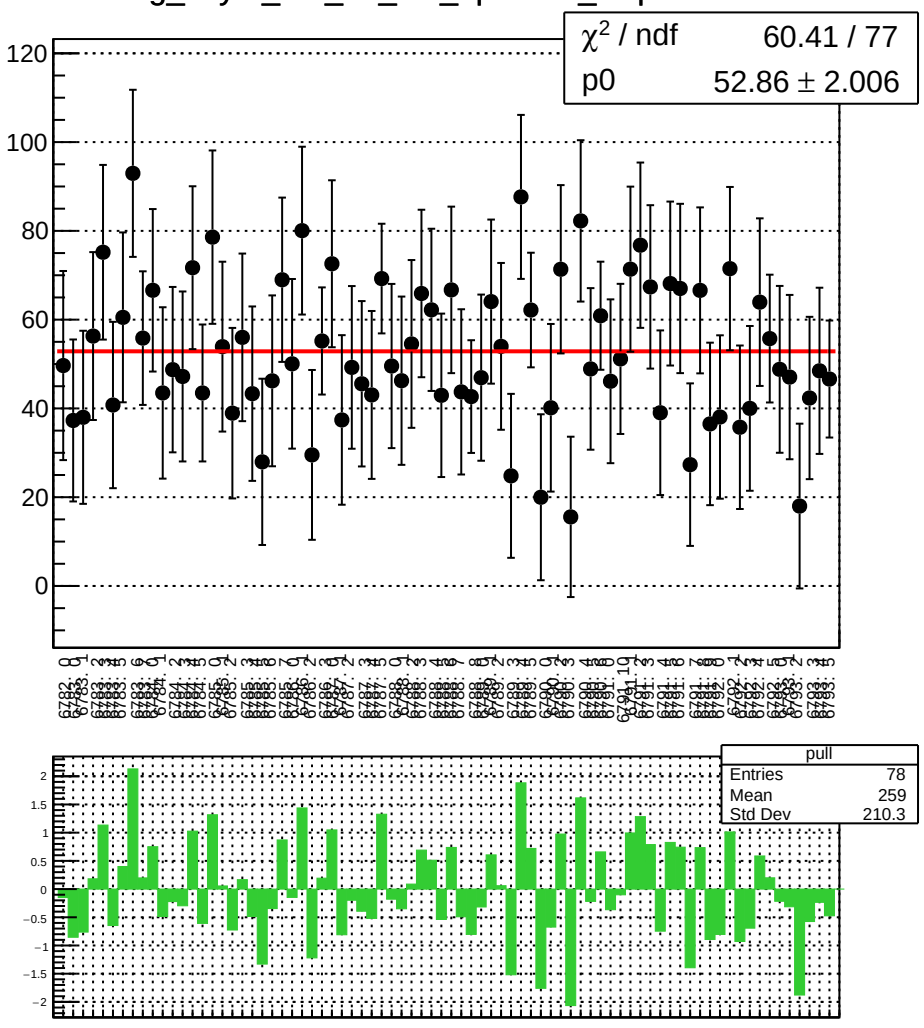

pull1D
Entries 78
Mean −0.002551
Std Dev 0.4406

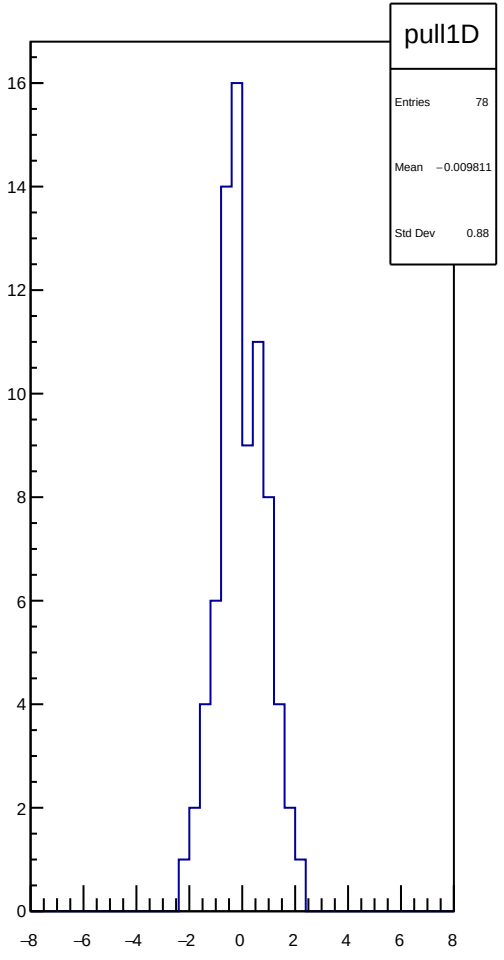

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 61.62 / 77
p0 34.16 ± 2.148
pull
Entries 78
Mean 224.7
Std Dev 175.1

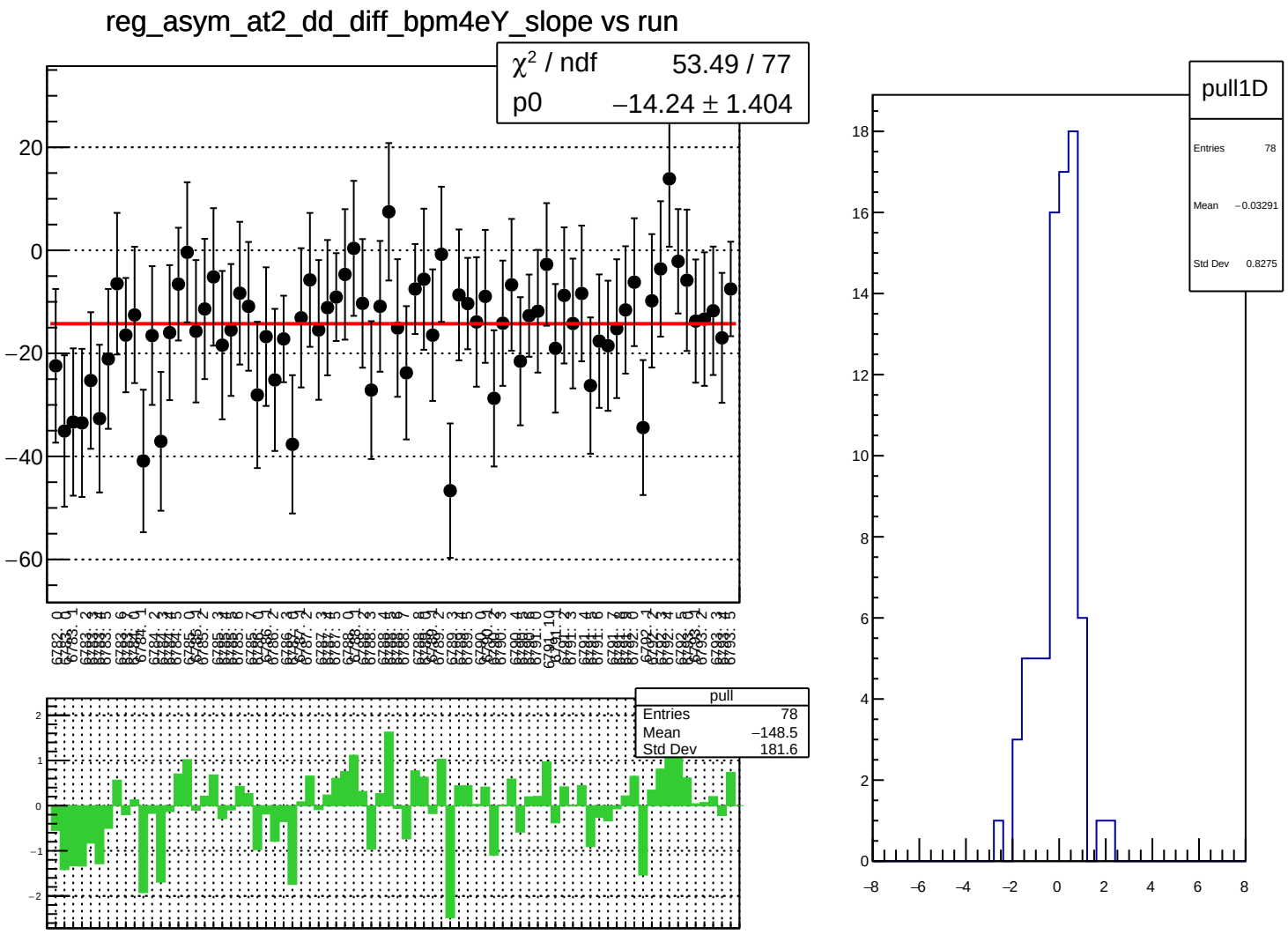

pull1D
Entries 78
Mean 0.01087
Std Dev 0.8888

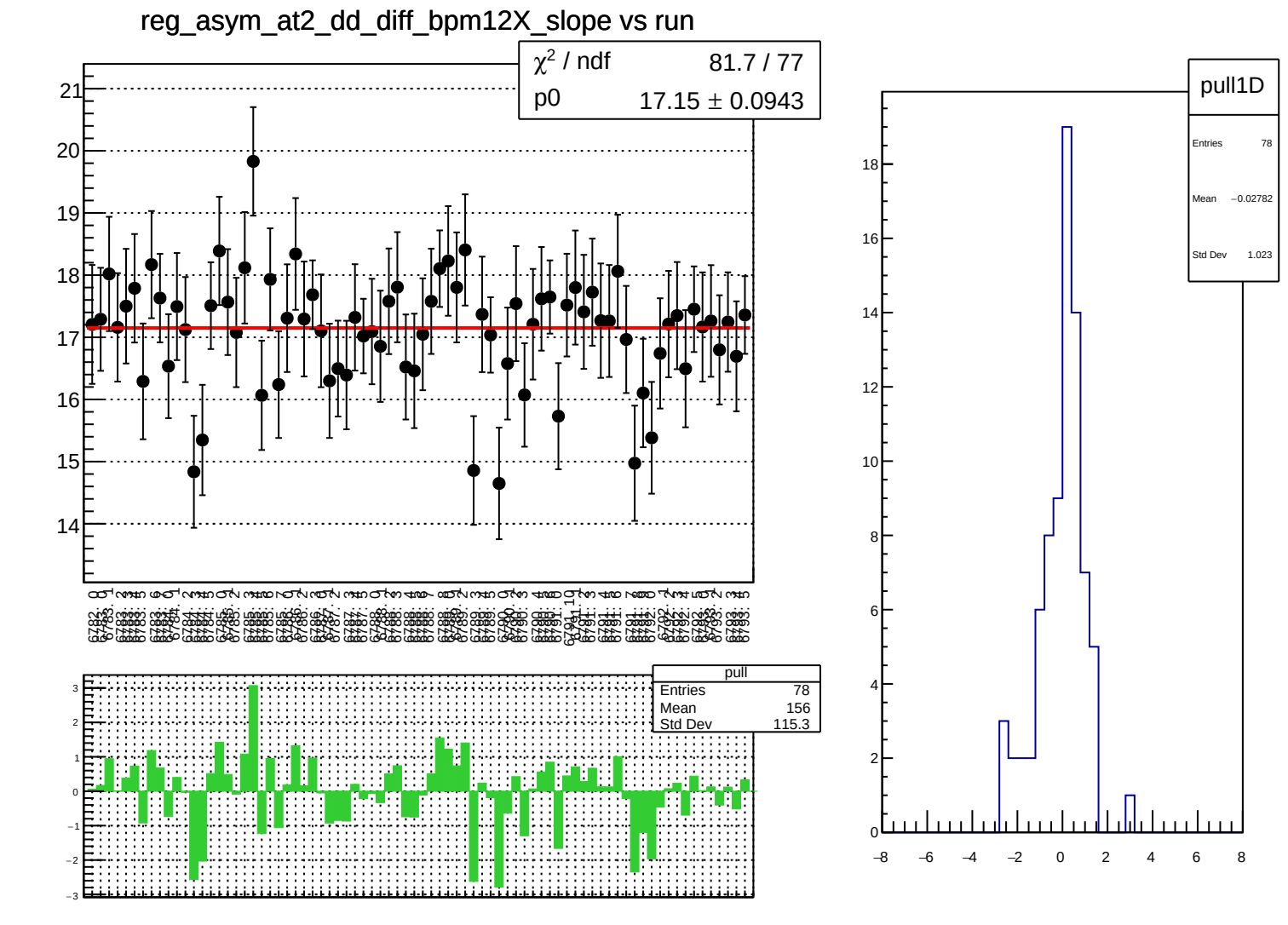

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 48.1 / 77
p0 2.194 ± 1.02
pull
Entries 78
Mean −79.46
Std Dev 110.2

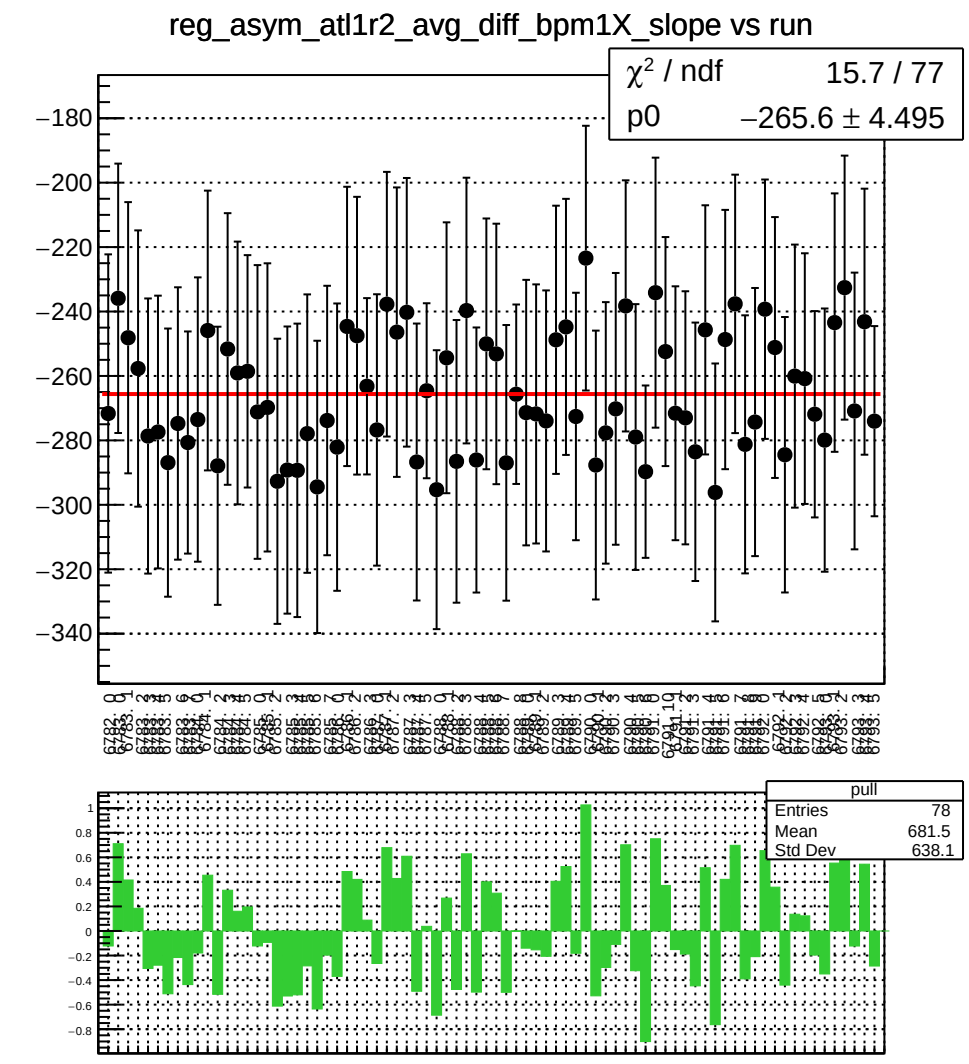

pull1D
Entries 78
Mean 0.03295
Std Dev 0.7846

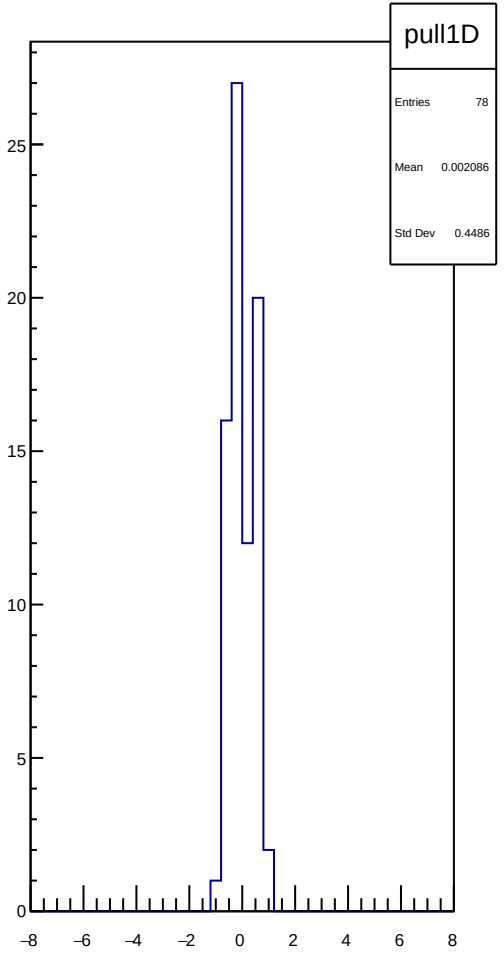

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 60.41 / 77
p0 52.86 ± 2.006
pull
Entries 78
Mean 259
Std Dev 210.3

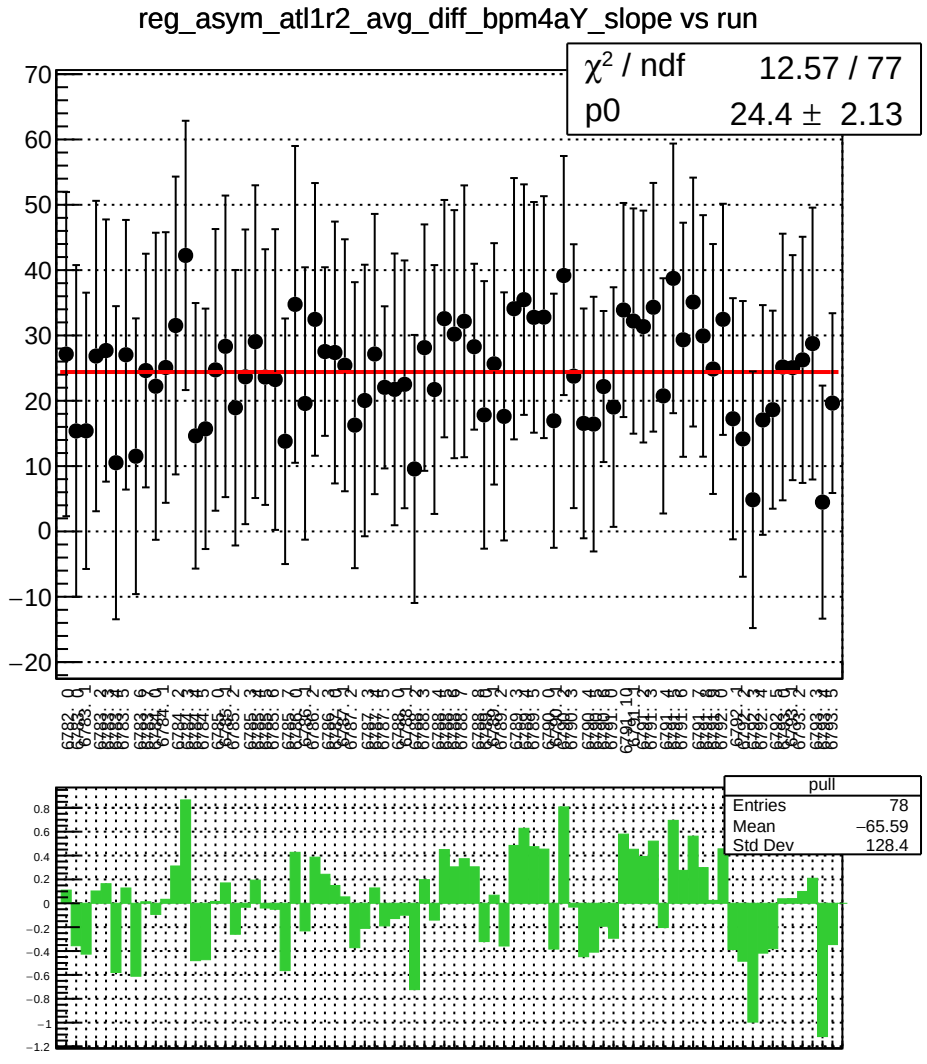

pull1D
Entries 78
Mean −0.009811
Std Dev 0.88

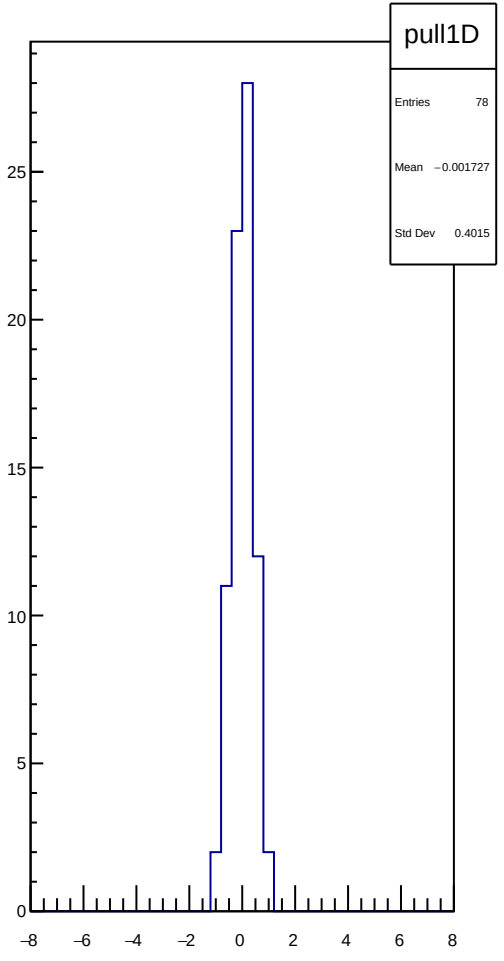

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.49 / 77
p0 −14.24 ± 1.404
pull
Entries 78
Mean −148.5
Std Dev 181.6
pull1D
Entries 78
Mean −0.03291
Std Dev 0.8275

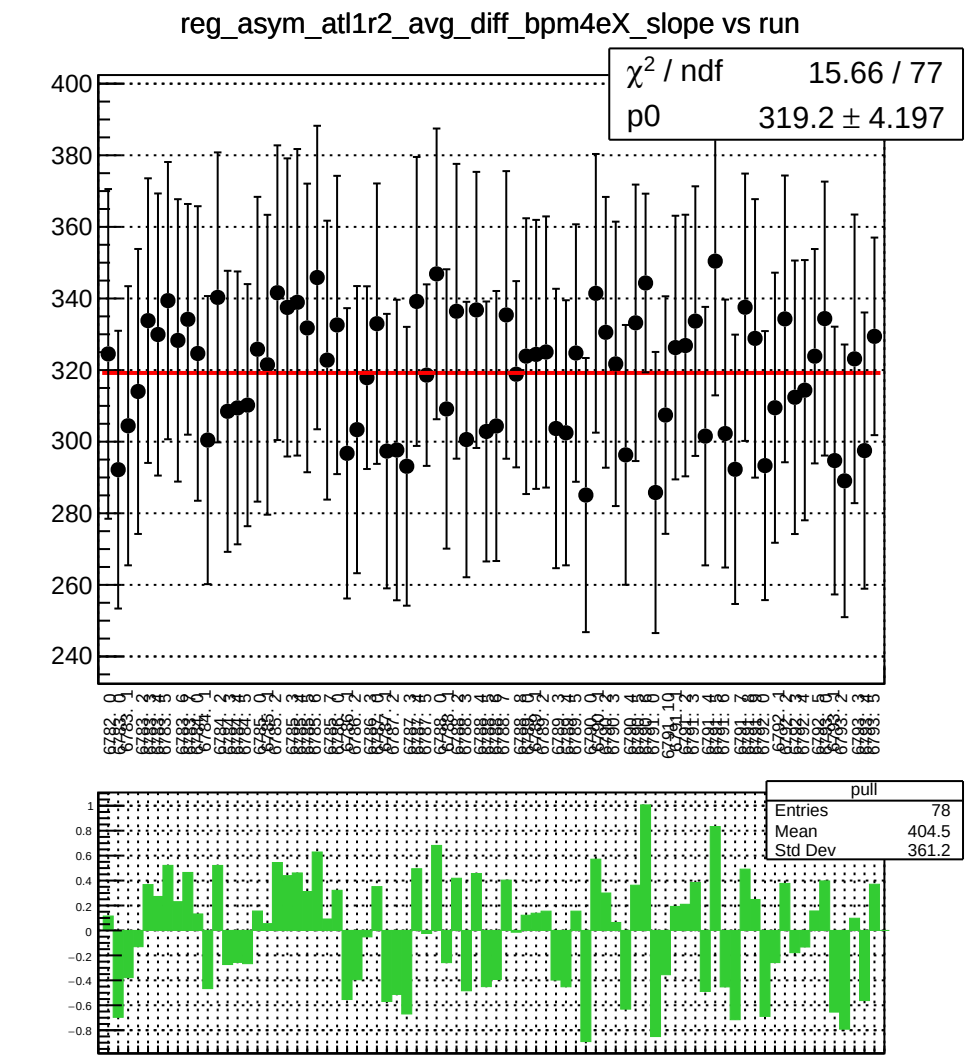

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 81.7 / 77
p0 17.15 ± 0.0943
pull
Entries 78
Mean 156
Std Dev 115.3
pull1D
Entries 78
Mean −0.02782
Std Dev 1.023

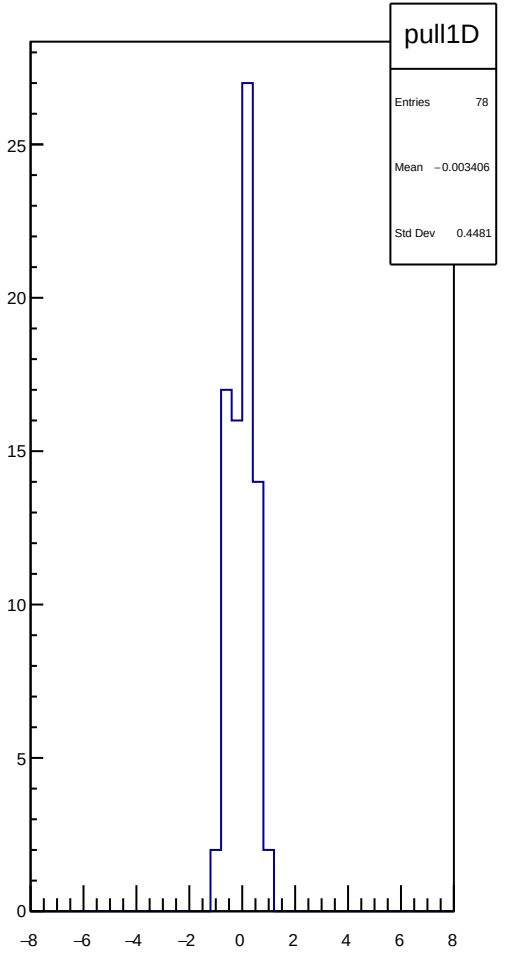

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.7 / 77
p0 −265.6 ± 4.495
pull
Entries 78
Mean 681.5
Std Dev 638.1

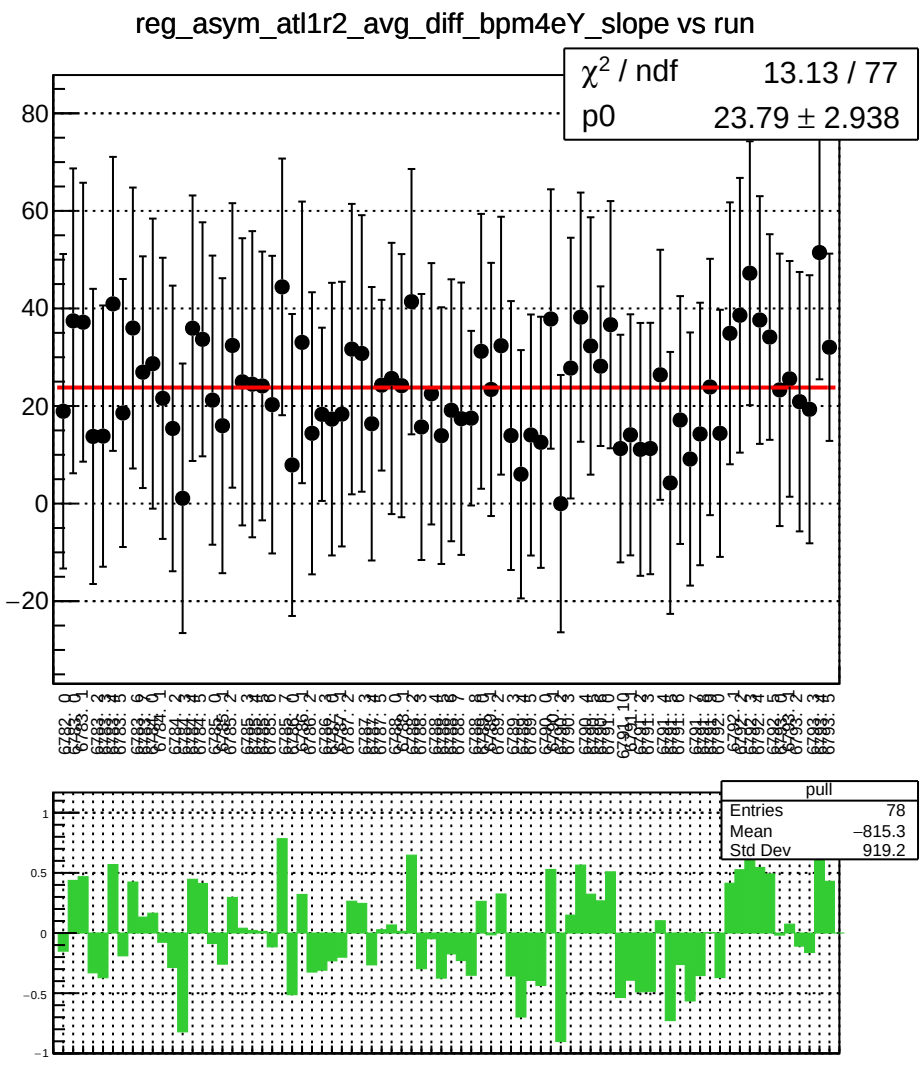

pull1D
Entries 78
Mean 0.002086
Std Dev 0.4486

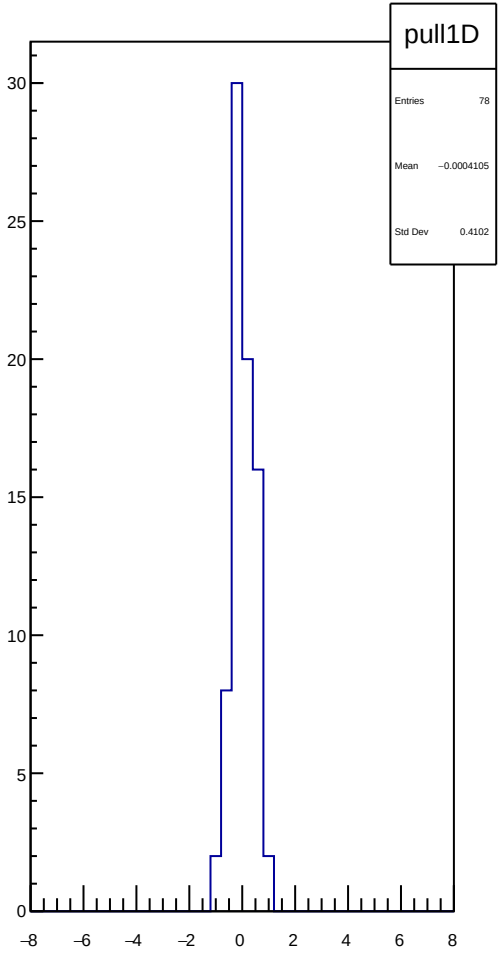

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.57 / 77
p0 24.4 ± 2.13
pull
Entries 78
Mean −65.59
Std Dev 128.4

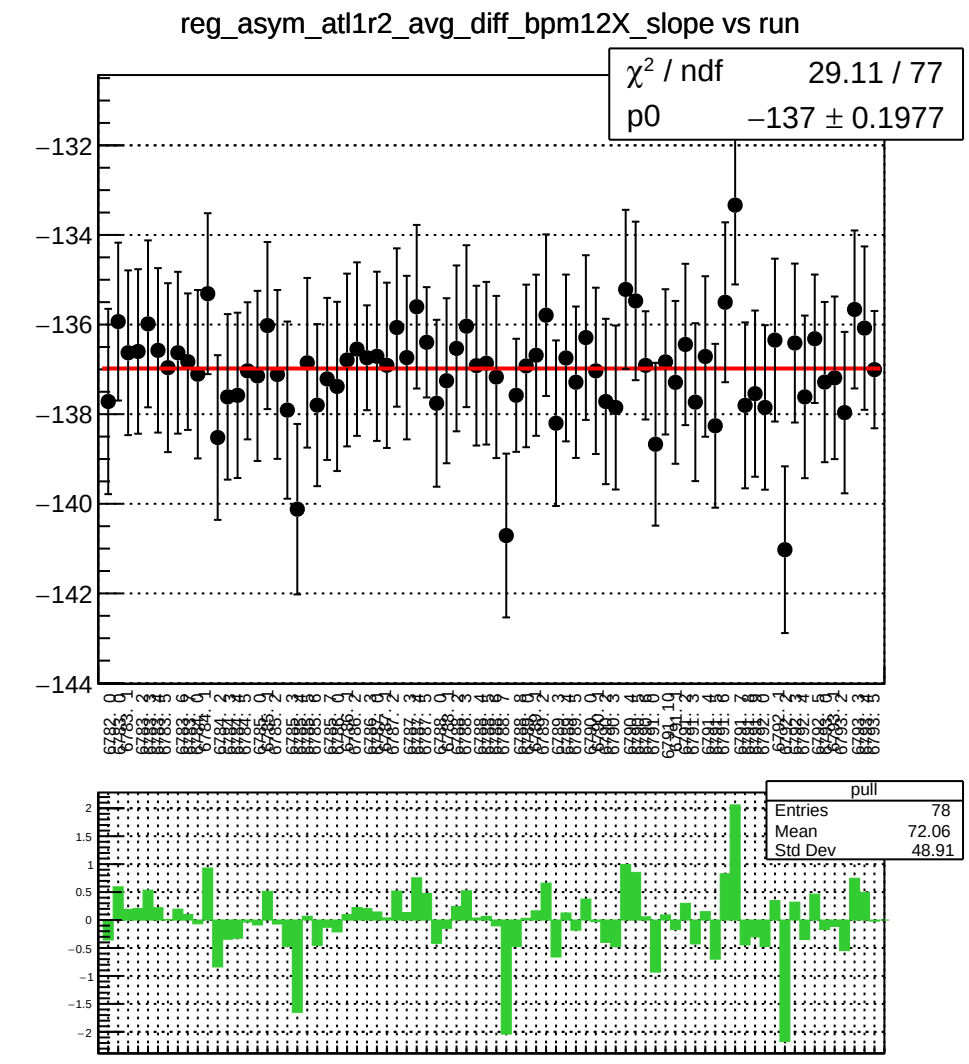

pull1D
Entries 78
Mean −0.001727
Std Dev 0.4015

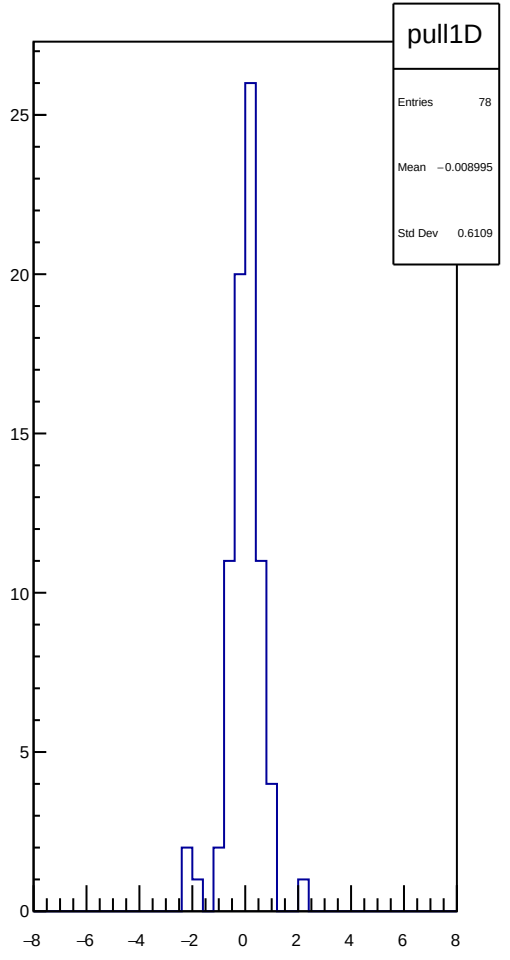

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.66 / 77
p0 319.2 ± 4.197
pull
Entries 78
Mean 404.5
Std Dev 361.2

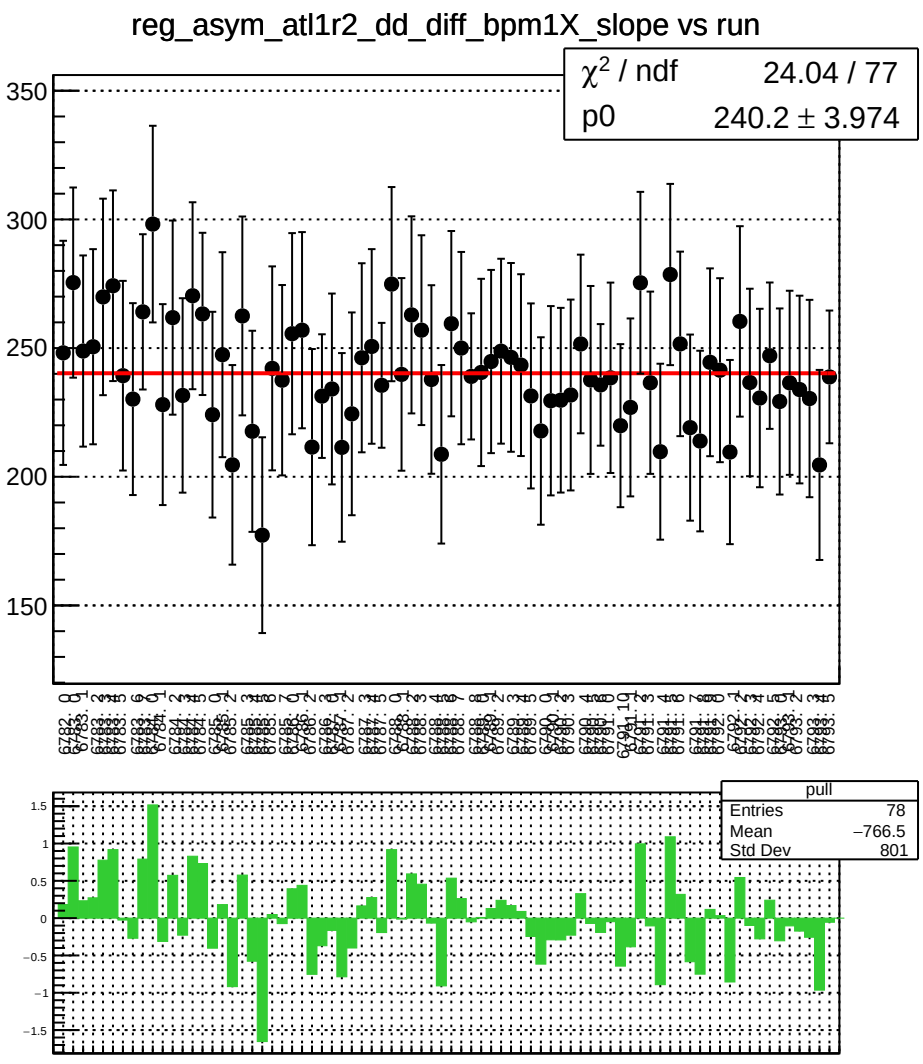

pull1D
Entries 78
Mean −0.003406
Std Dev 0.4481

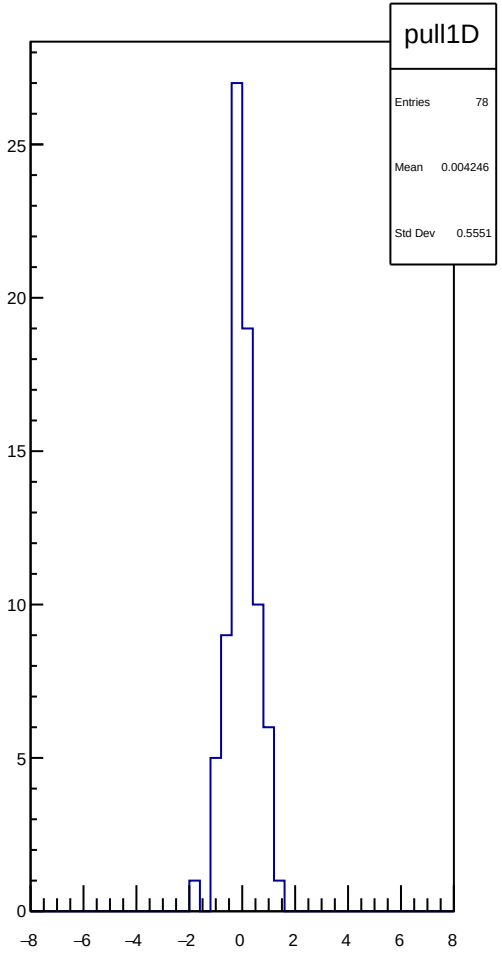

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.13 / 77
p0 23.79 ± 2.938
pull
Entries 78
Mean −815.3
Std Dev 919.2

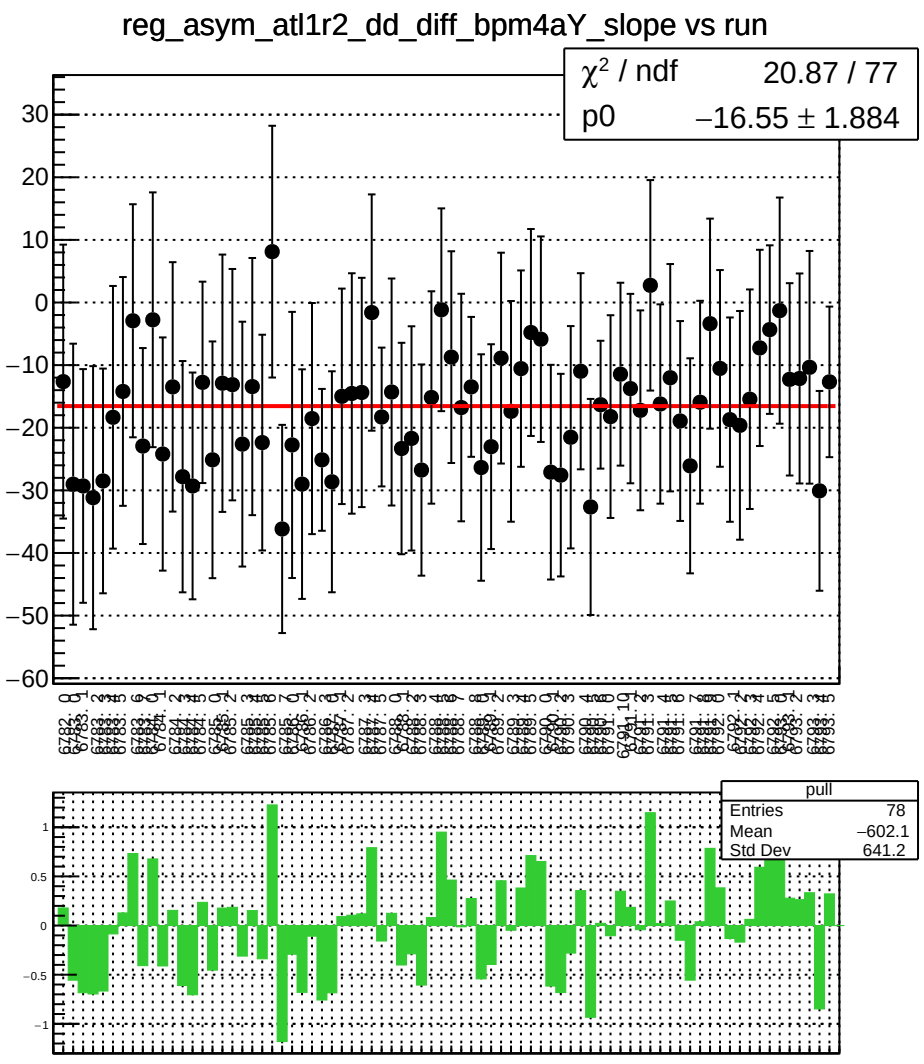

pull1D
Entries 78
Mean −0.0004105
Std Dev 0.4102

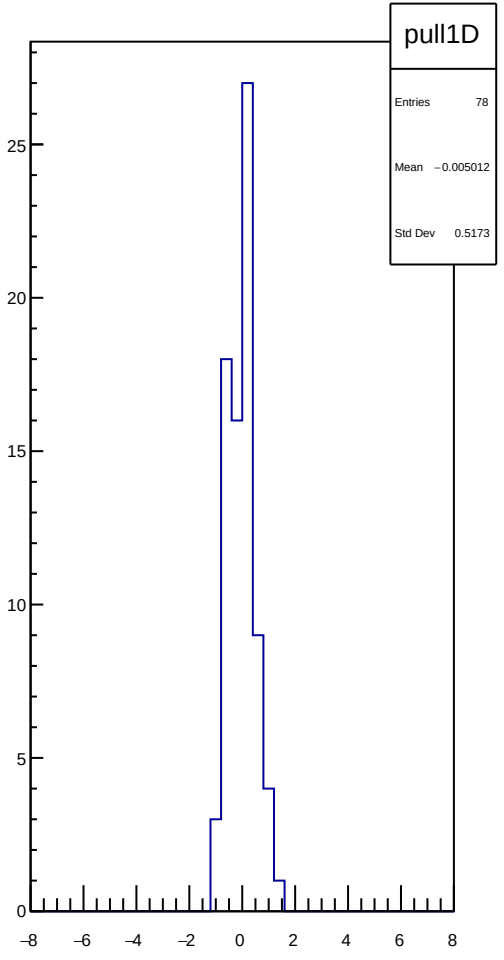

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 29.11 / 77
p0 −137 ± 0.1977
−132
−134
−136
−138
−140
−142
−144
pull
Entries 78
Mean 72.06
Std Dev 48.91
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

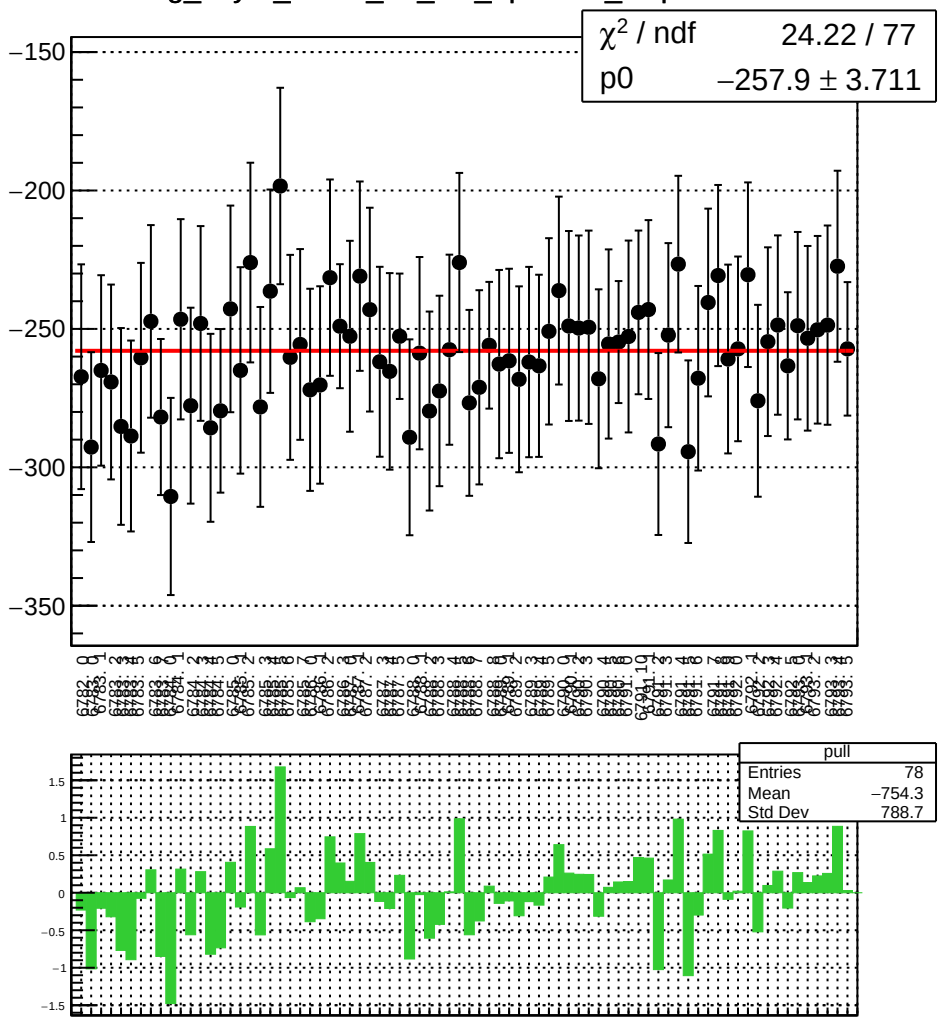

pull1D
Entries 78
Mean −0.008995
Std Dev 0.6109
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

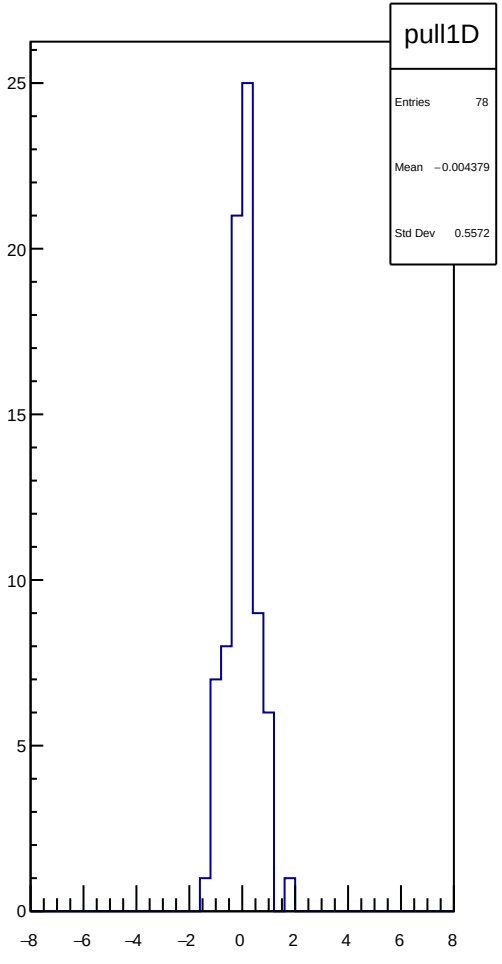

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 24.04 / 77
p0 240.2 ± 3.974
pull
Entries 78
Mean −766.5
Std Dev 801

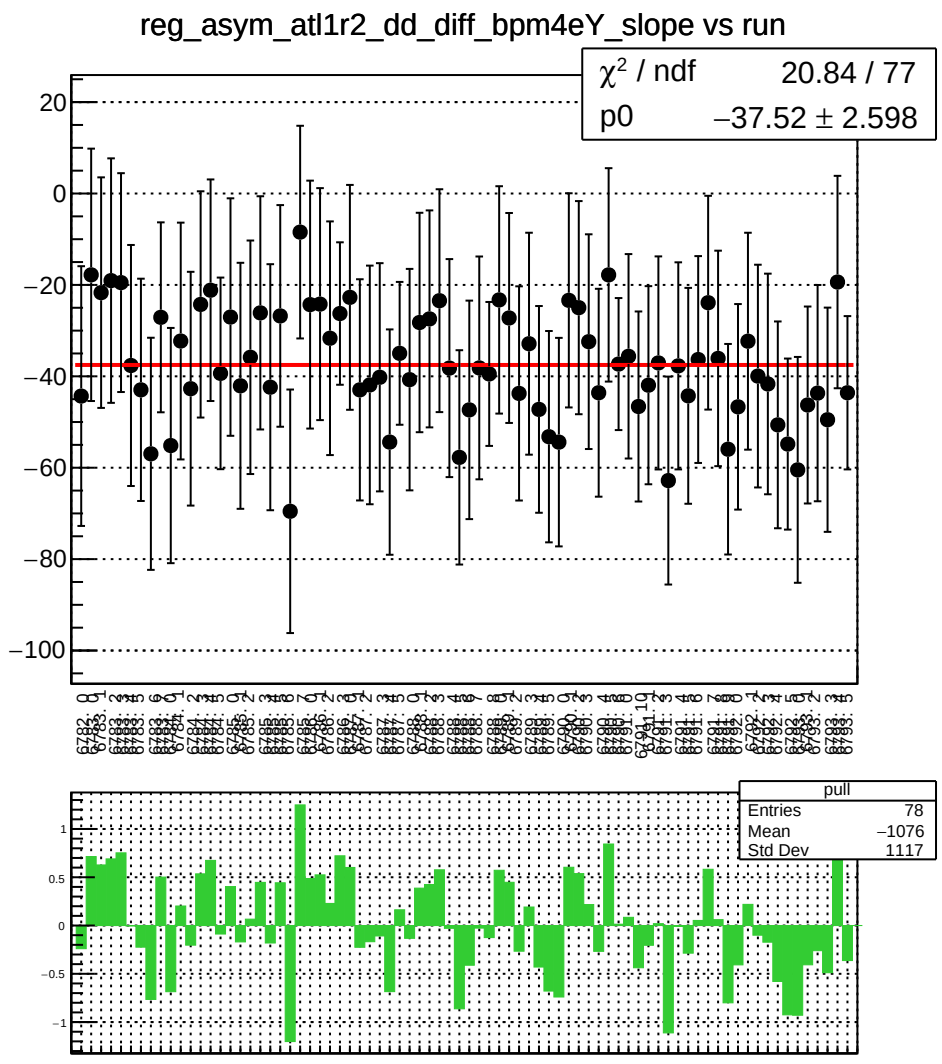

pull1D
Entries 78
Mean 0.004246
Std Dev 0.5551

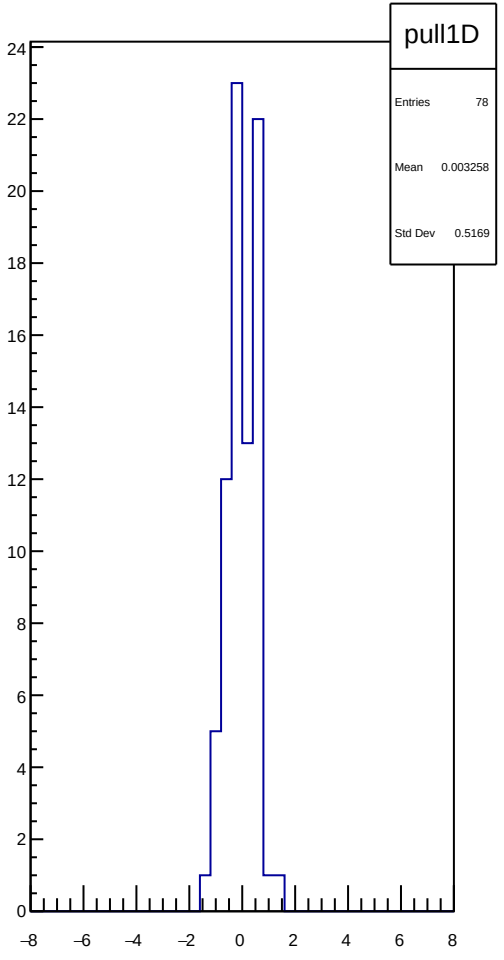

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.87 / 77
p0 −16.55 ± 1.884
pull
Entries 78
Mean −602.1
Std Dev 641.2

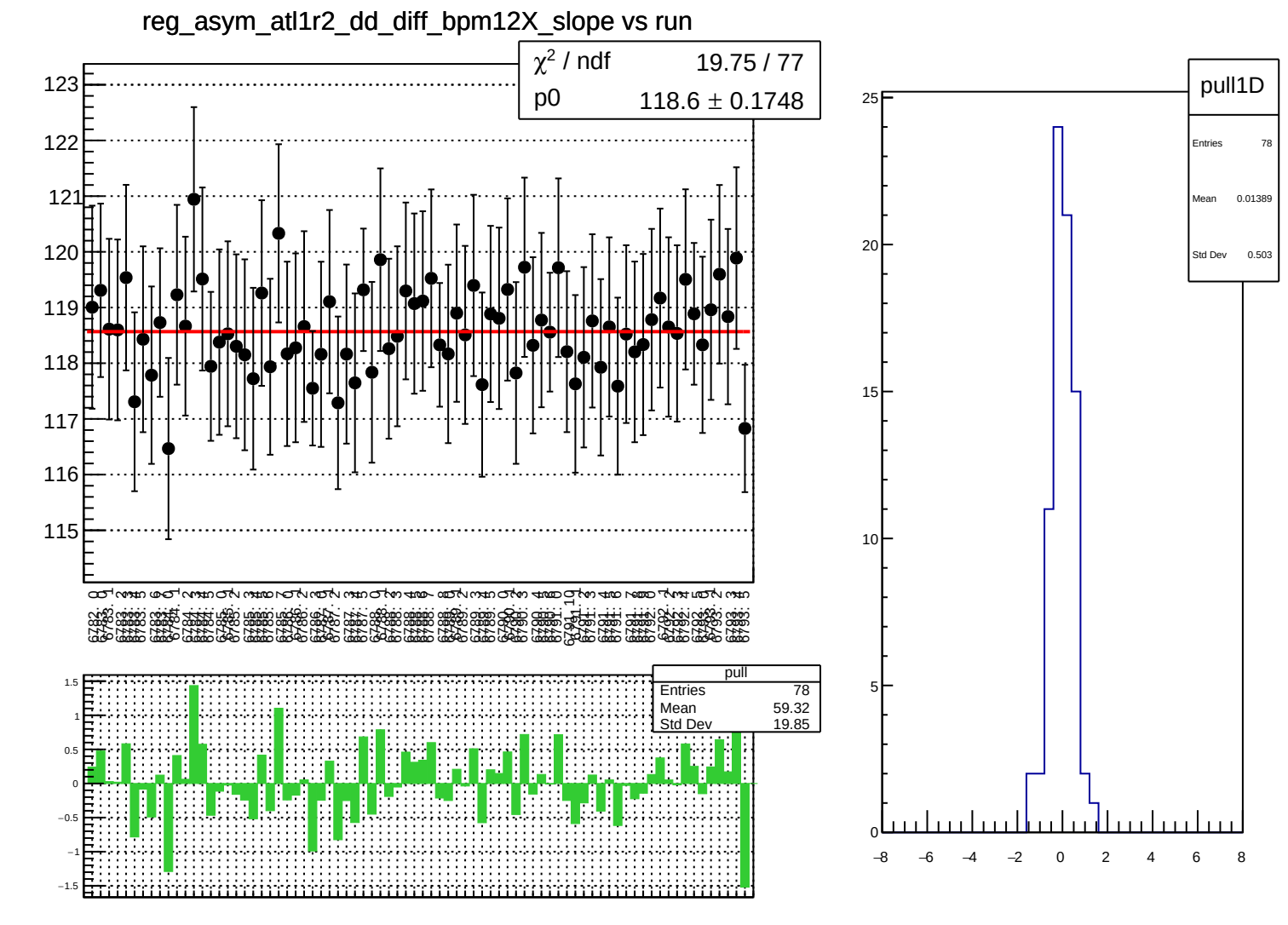

pull1D
Entries 78
Mean −0.005012
Std Dev 0.5173

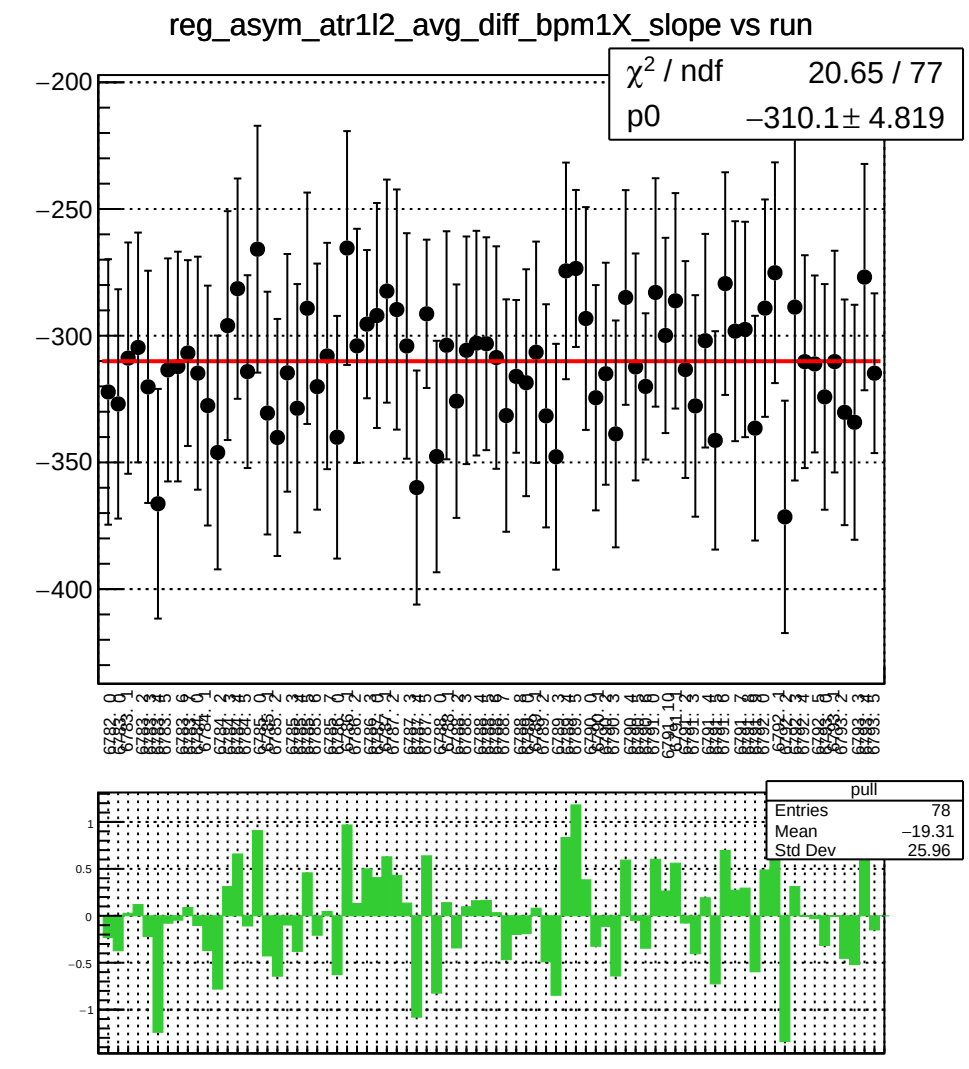

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.22 / 77
p0 −257.9 ± 3.711
pull
Entries 78
Mean −754.3
Std Dev 788.7

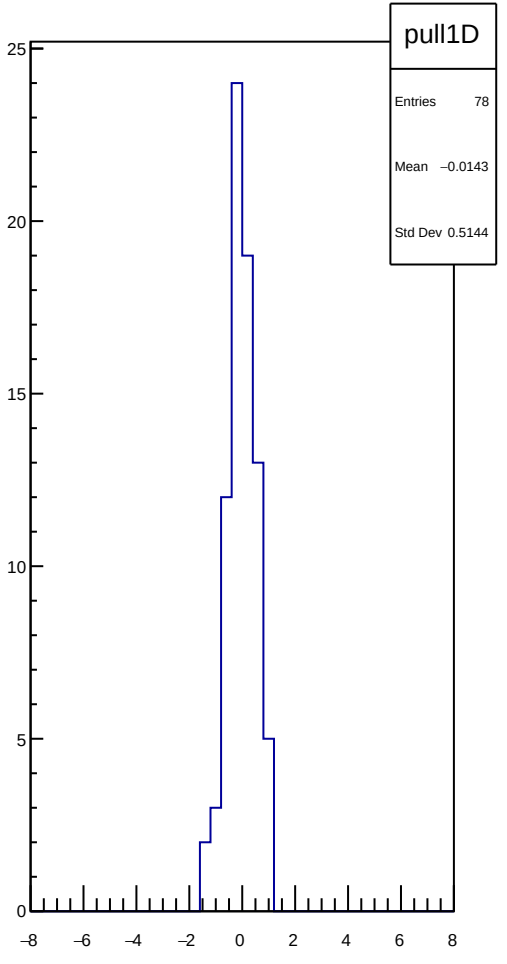

pull1D
Entries 78
Mean −0.004379
Std Dev 0.5572

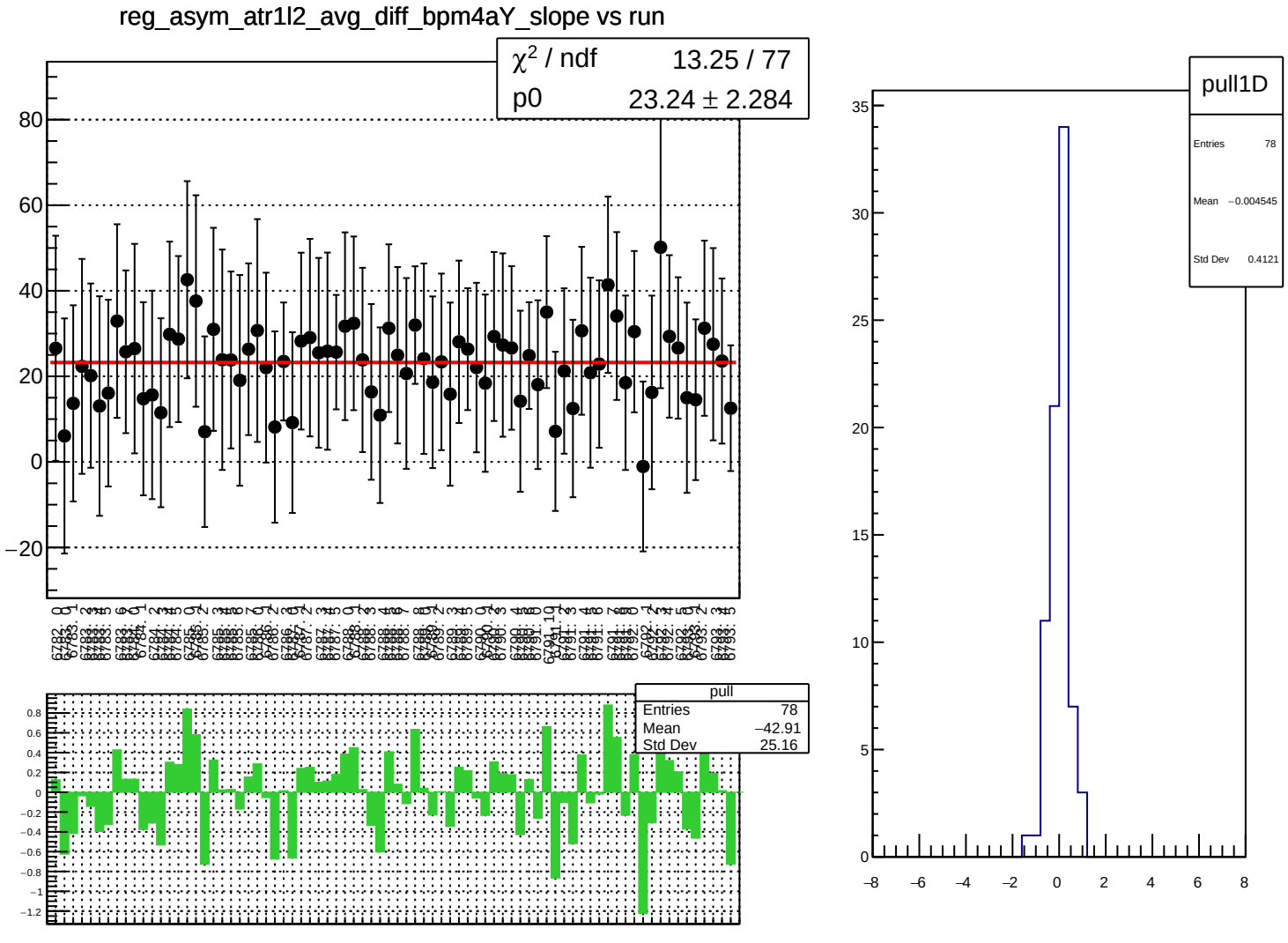

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.84 / 77
p0 −37.52 ± 2.598
pull
Entries 78
Mean −1076
Std Dev 1117

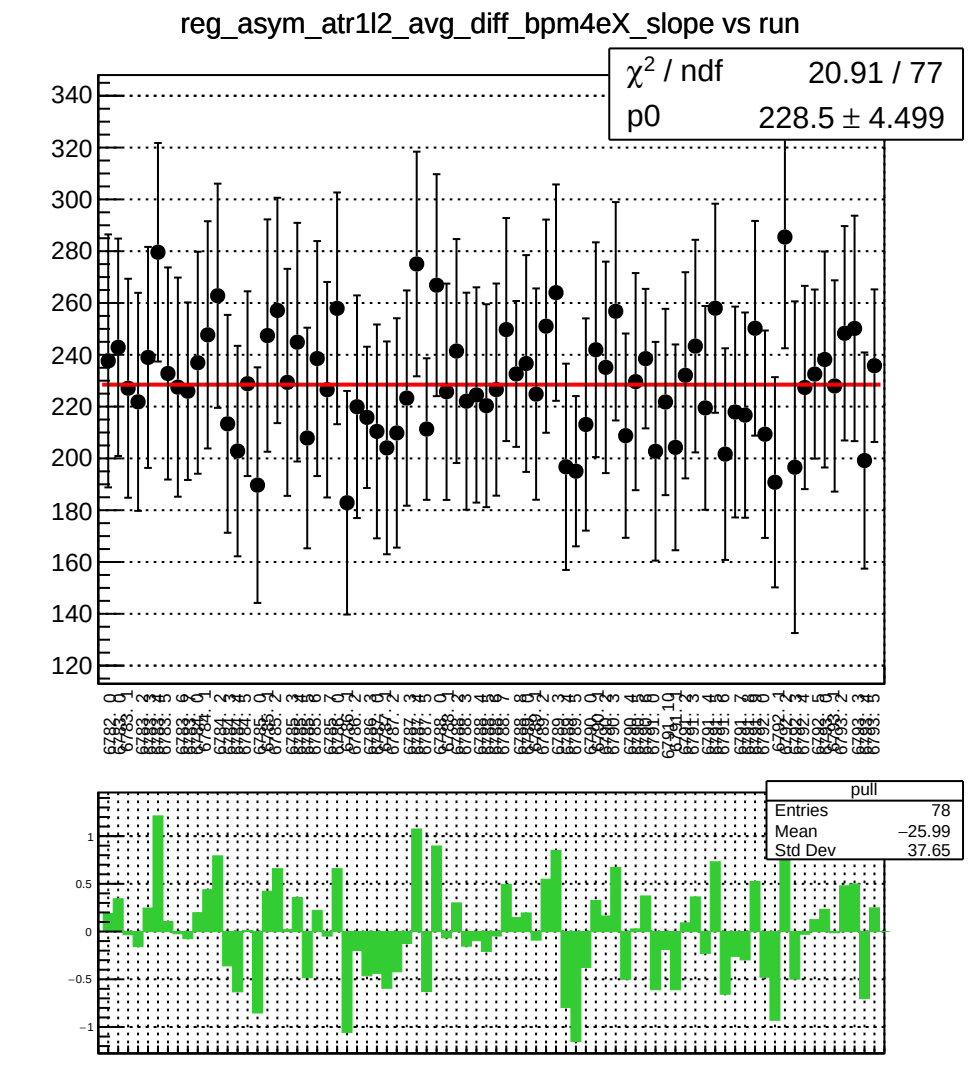

pull1D
Entries 78
Mean 0.003258
Std Dev 0.5169

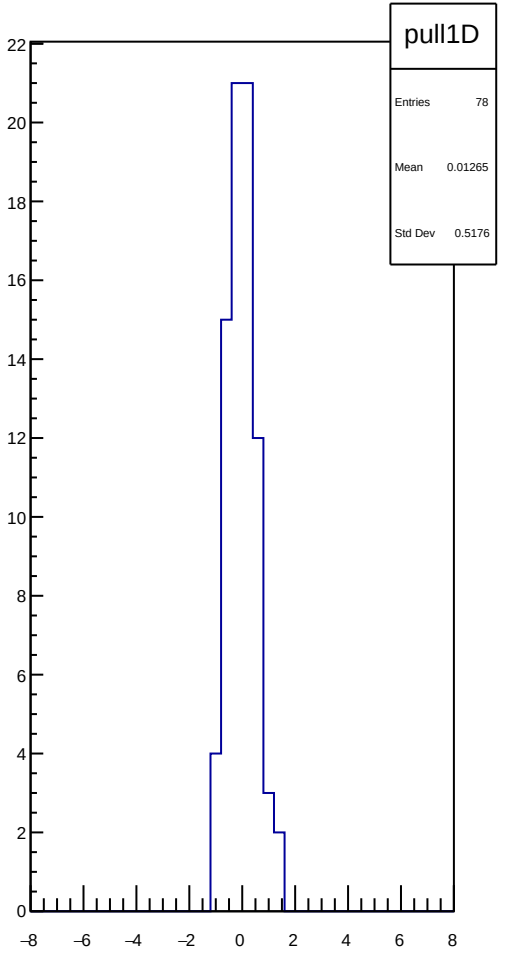

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.75 / 77
p0 118.6 ± 0.1748
123
122
121
120
119
118
117
116
115
pull
Entries 78
Mean 59.32
Std Dev 19.85
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 78
Mean 0.01389
Std Dev 0.503
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

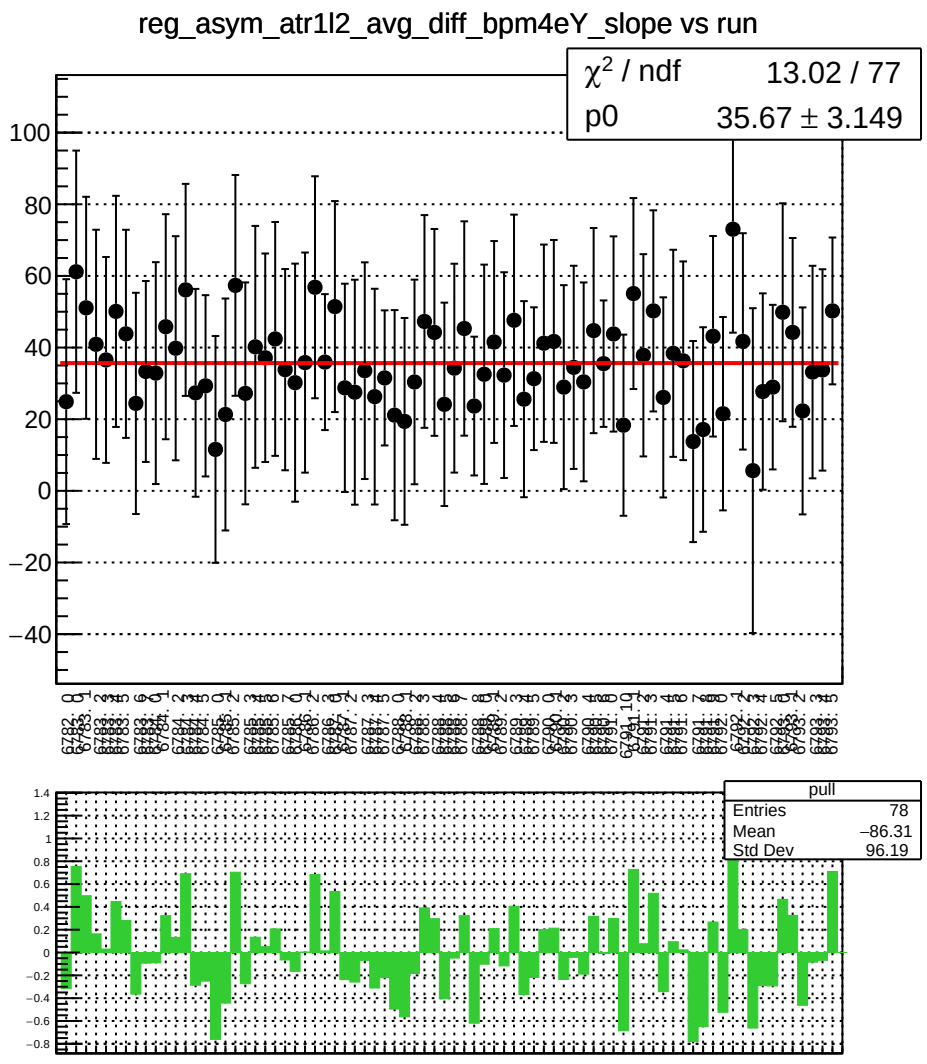

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 20.65 / 77
p0 −310.1 ± 4.819
−200
−250
−300
−350
−400
pull
Entries 78
Mean −19.31
Std Dev 25.96
1
0.5
0
−0.5
−1

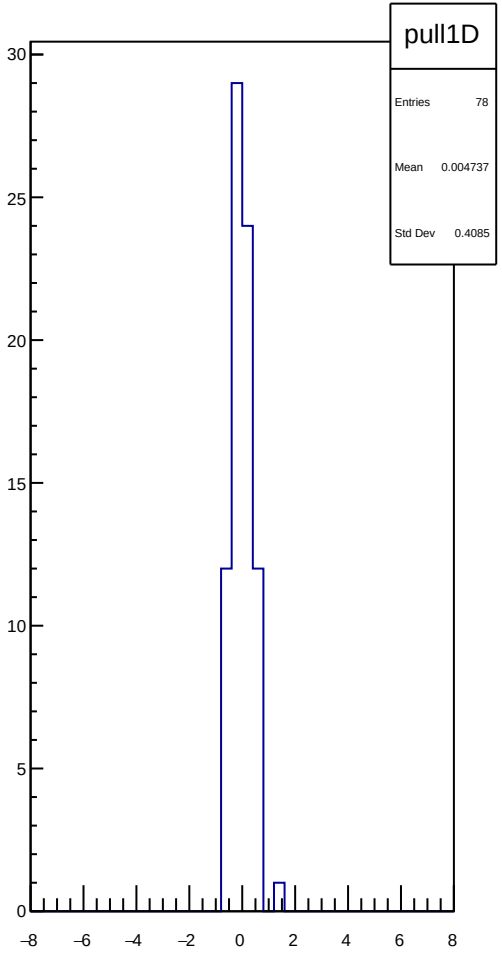

pull1D
Entries 78
Mean −0.0143
Std Dev 0.5144
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

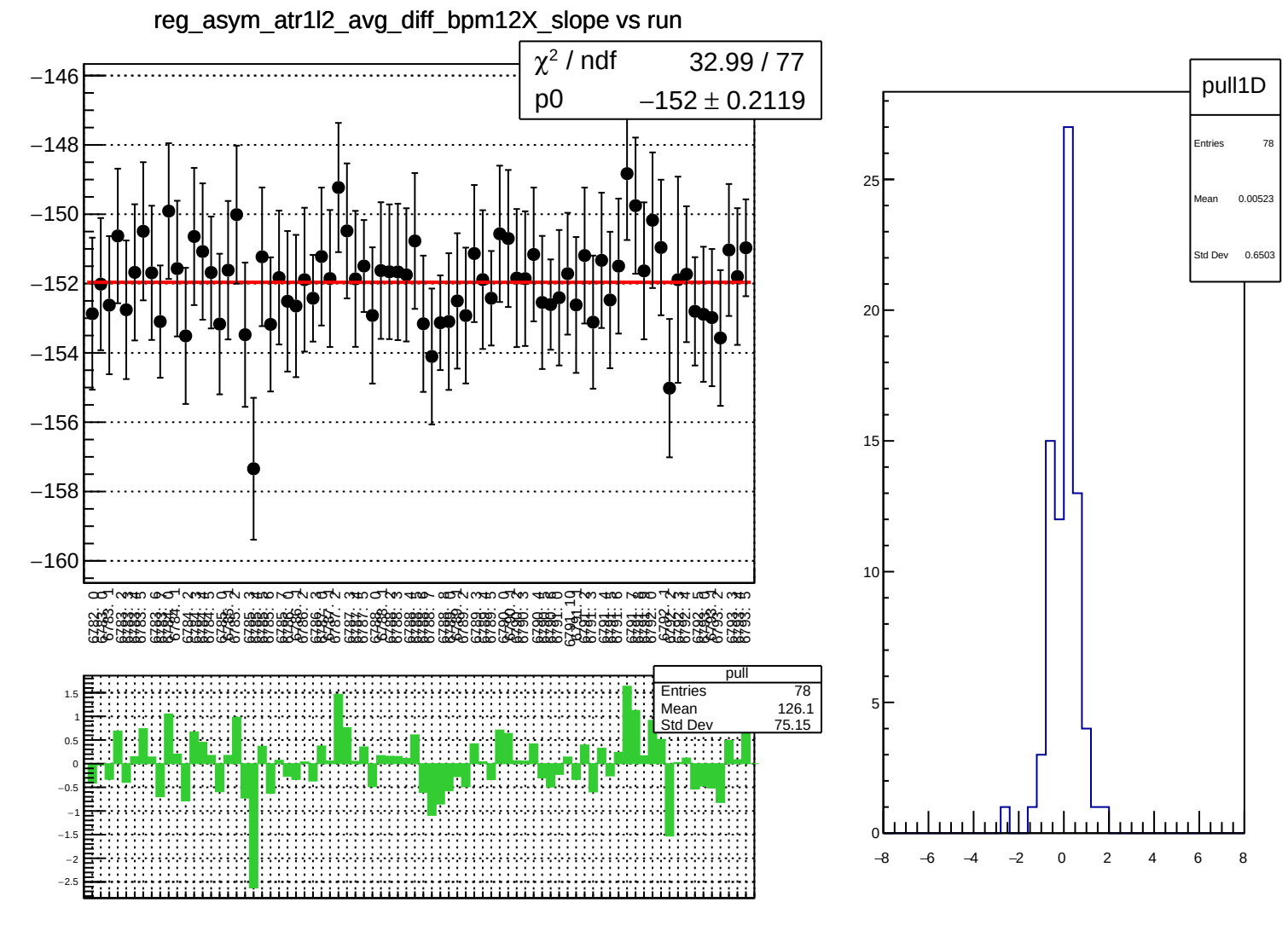

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.25 / 77
p0 23.24 ± 2.284
pull
Entries 78
Mean −42.91
Std Dev 25.16
pull1D
Entries 78
Mean −0.004545
Std Dev 0.4121

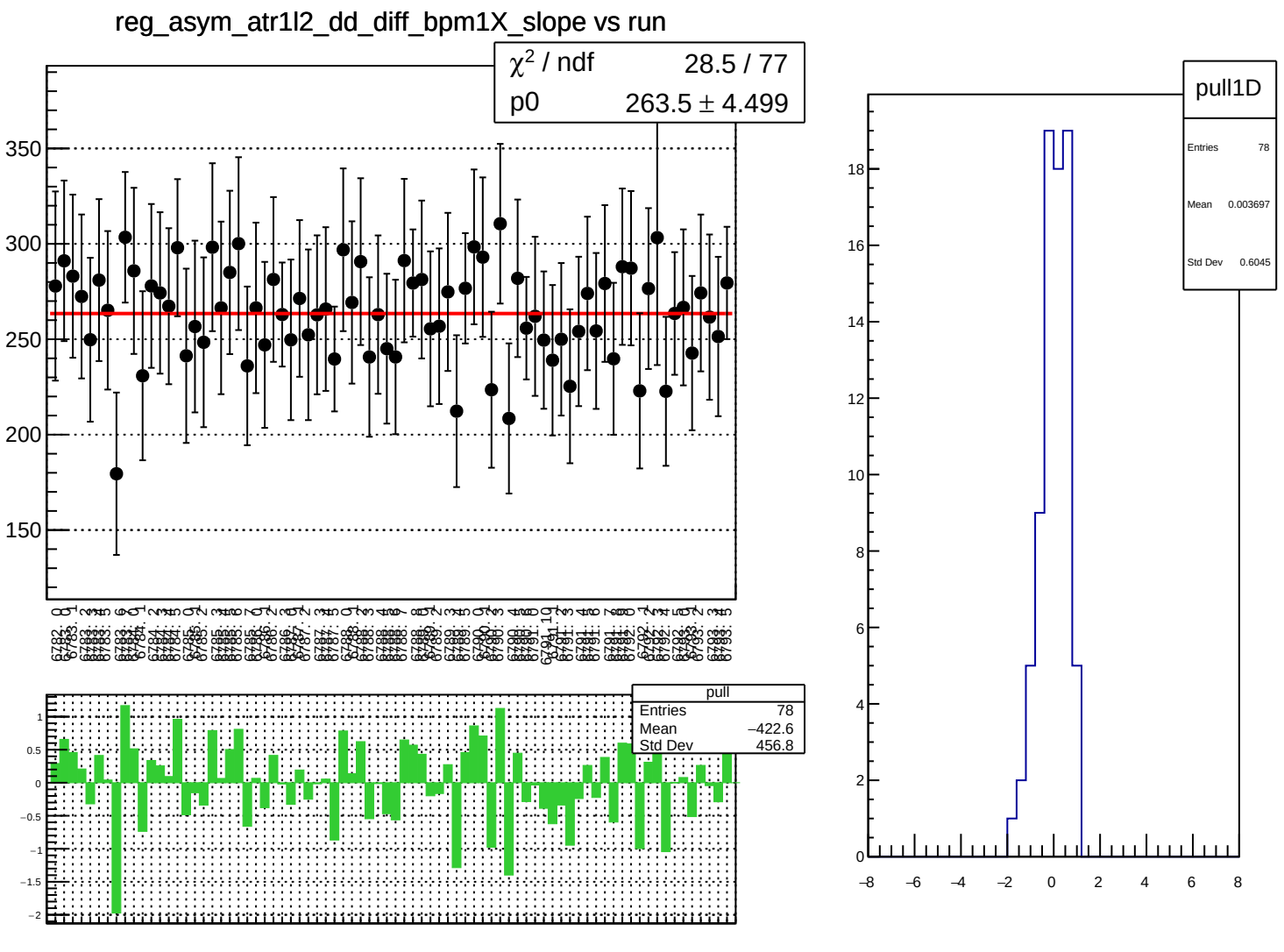

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 20.91 / 77
p0 228.5 ± 4.499
pull
Entries 78
Mean −25.99
Std Dev 37.65

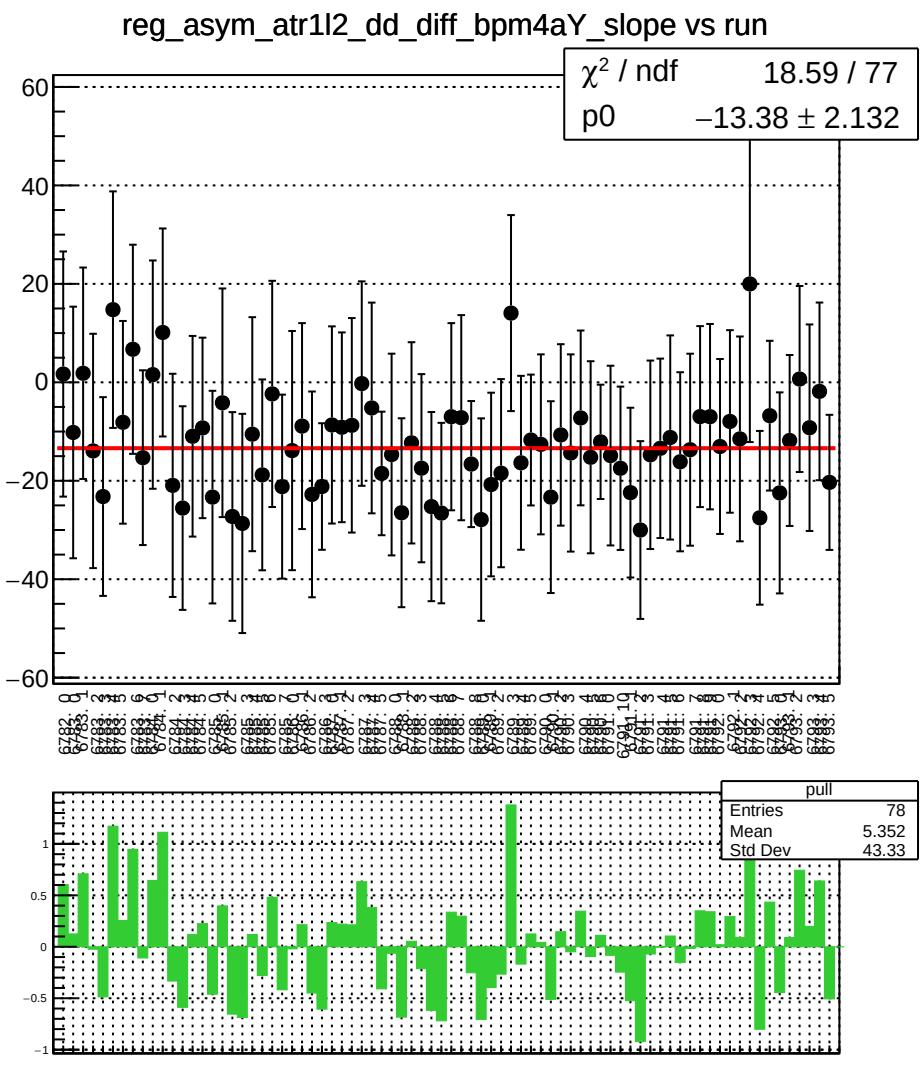

pull1D
Entries 78
Mean 0.01265
Std Dev 0.5176

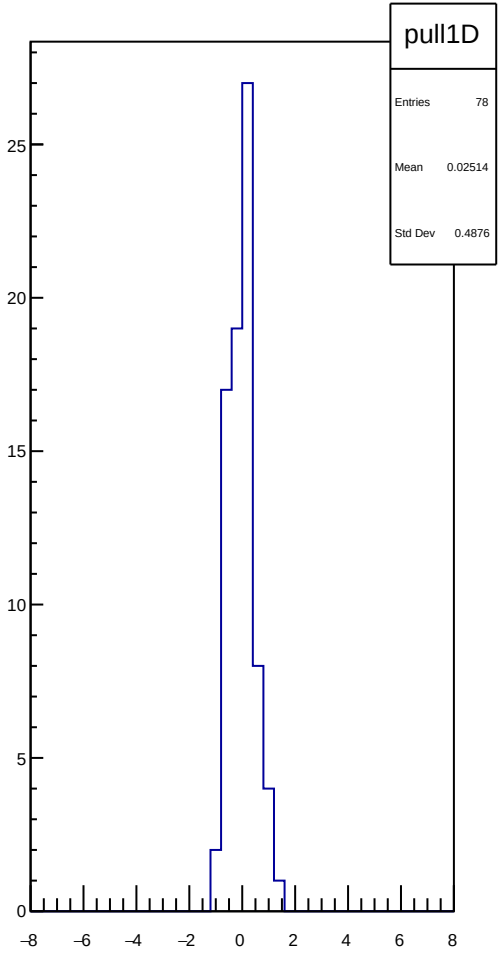

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.02 / 77
p0 35.67 ± 3.149
pull
Entries 78
Mean −86.31
Std Dev 96.19

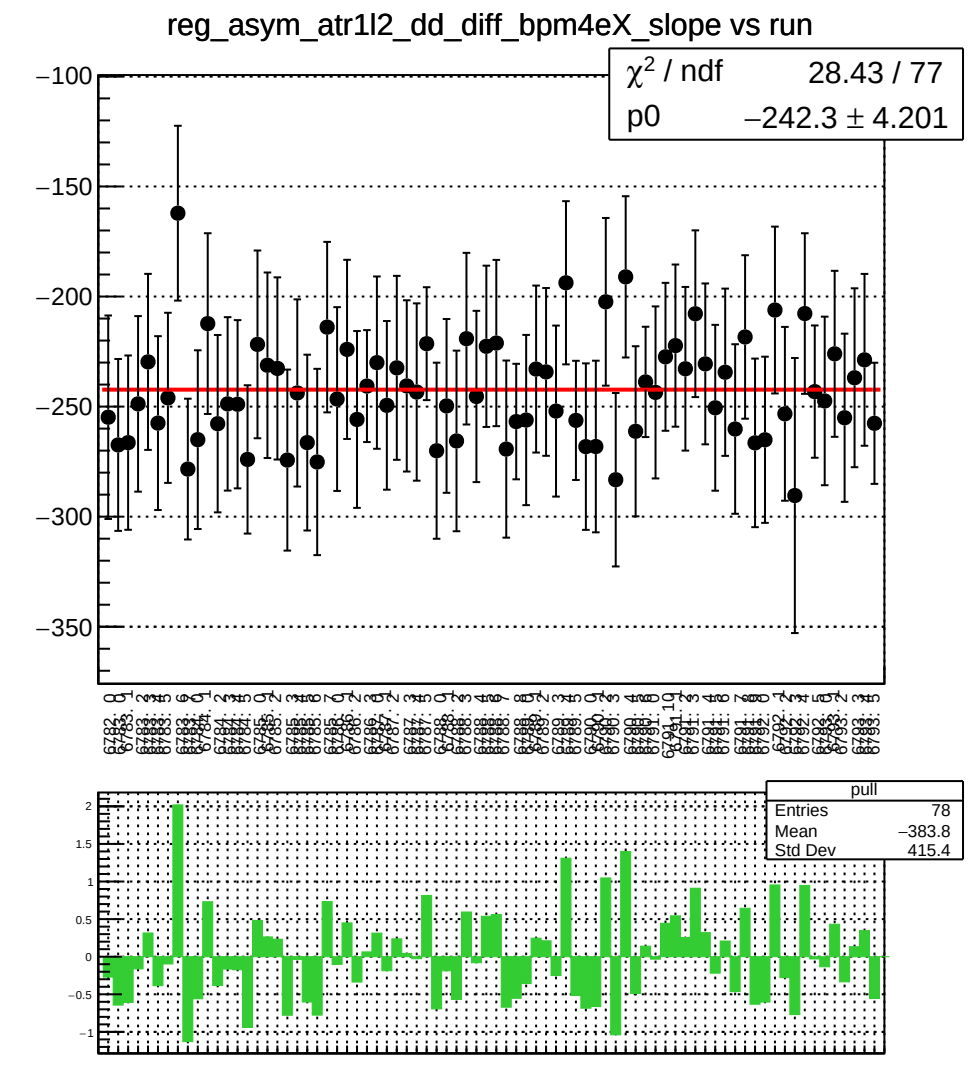

pull1D
Entries 78
Mean 0.004737
Std Dev 0.4085

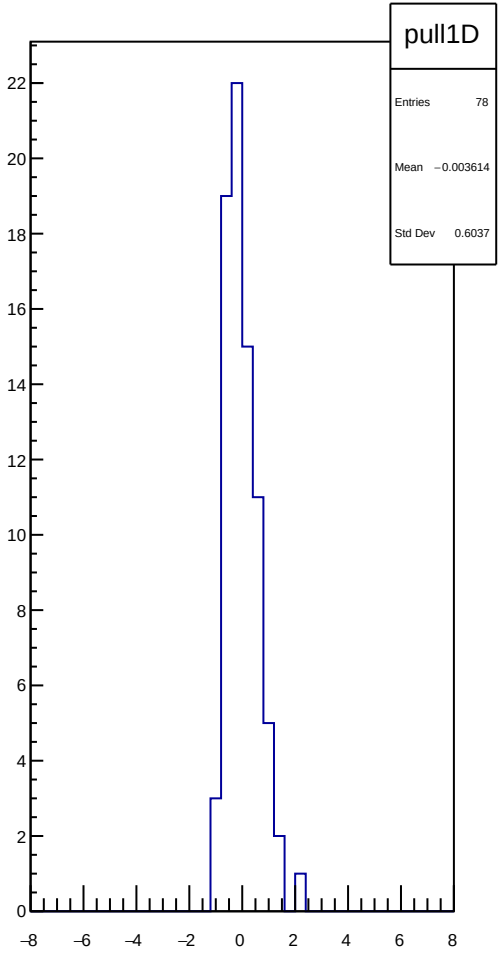

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 32.99 / 77
p0 −152 ± 0.2119
−146
−148
−150
−152
−154
−156
−158
−160
pull
Entries 78
Mean 126.1
Std Dev 75.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 78
Mean 0.00523
Std Dev 0.6503
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

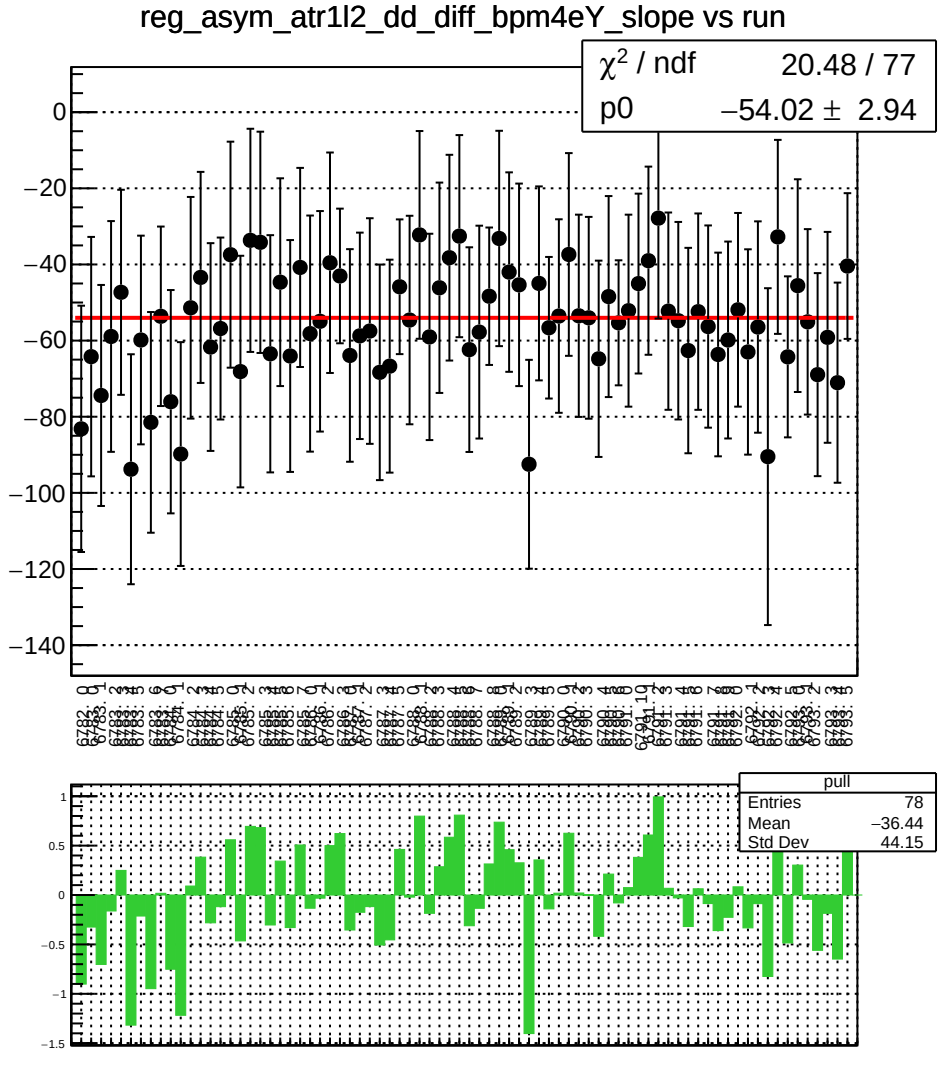

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 28.5 / 77
p0 263.5 ± 4.499
350
300
250
200
150
pull
Entries 78
Mean −422.6
Std Dev 456.8
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 78
Mean 0.003697
Std Dev 0.6045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

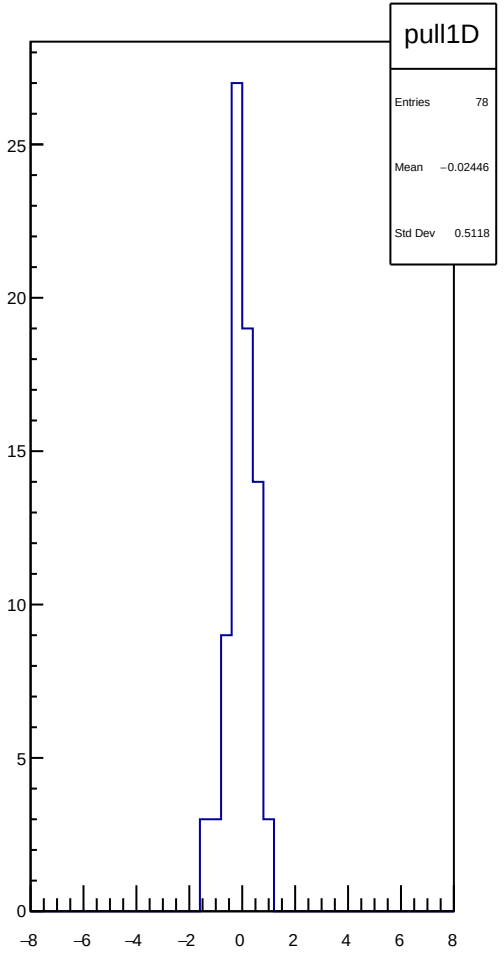

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.59 / 77
p0 −13.38 ± 2.132
pull
Entries 78
Mean 5.352
Std Dev 43.33

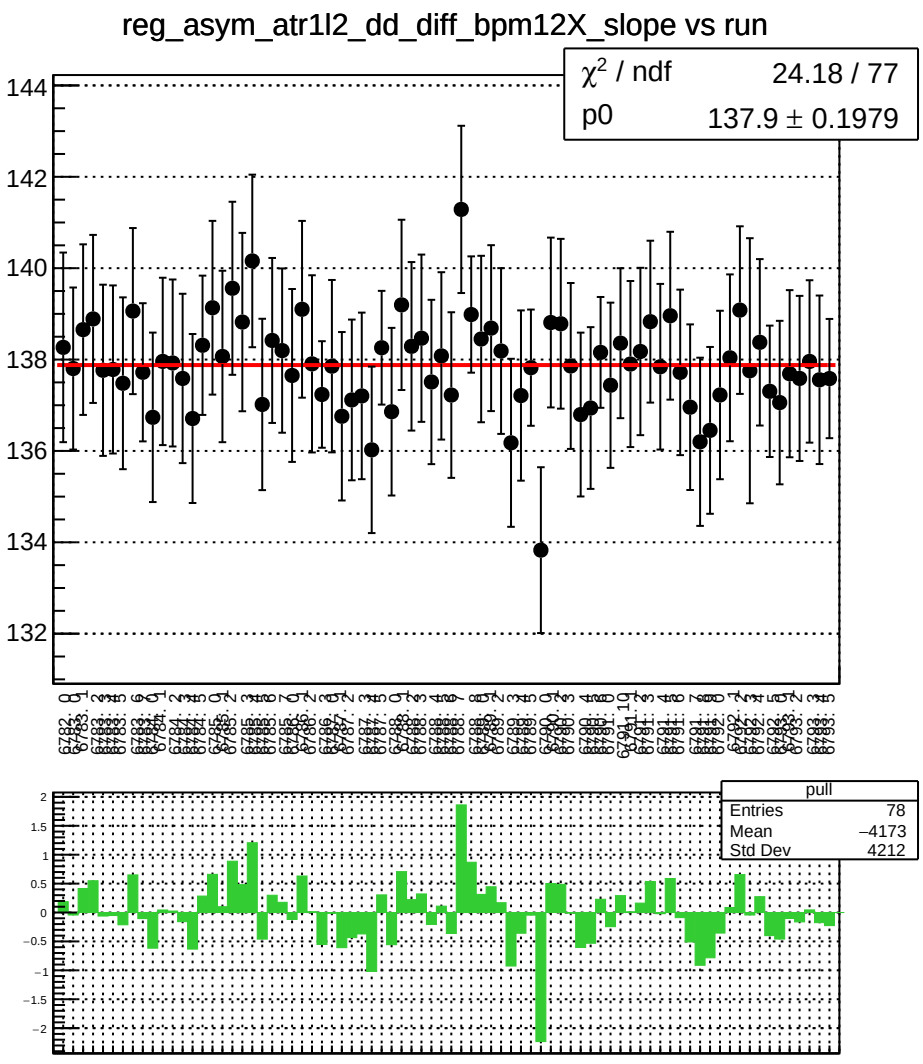

pull1D
Entries 78
Mean 0.02514
Std Dev 0.4876

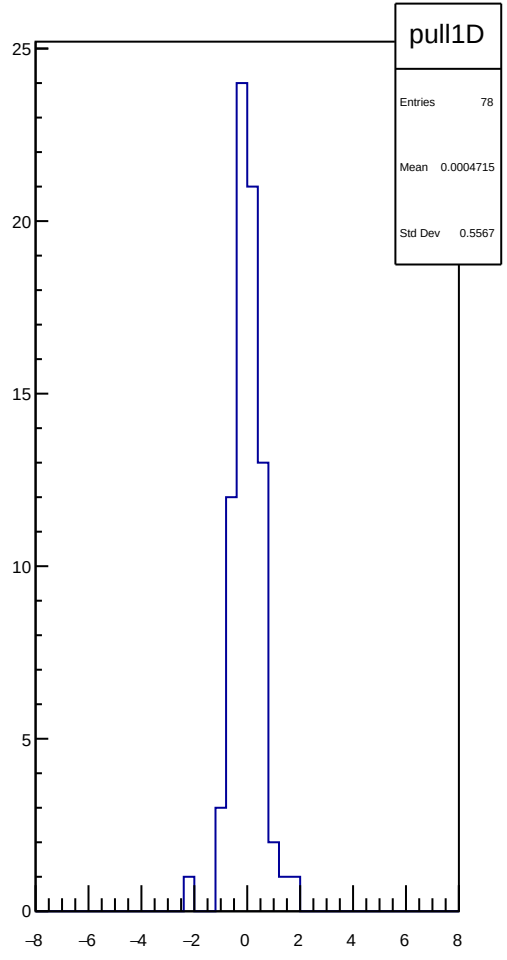

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.43 / 77
p0 −242.3 ± 4.201
pull
Entries 78
Mean −383.8
Std Dev 415.4

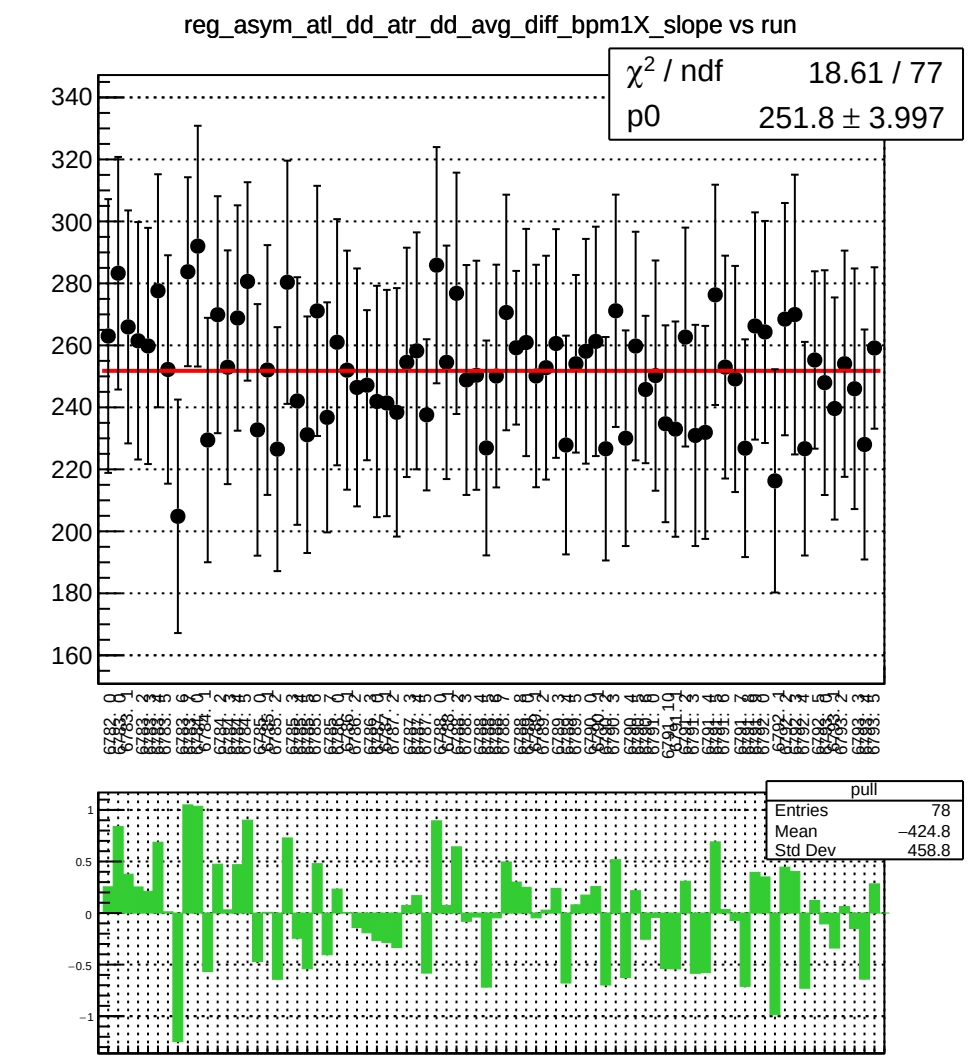

pull1D
Entries 78
Mean −0.003614
Std Dev 0.6037

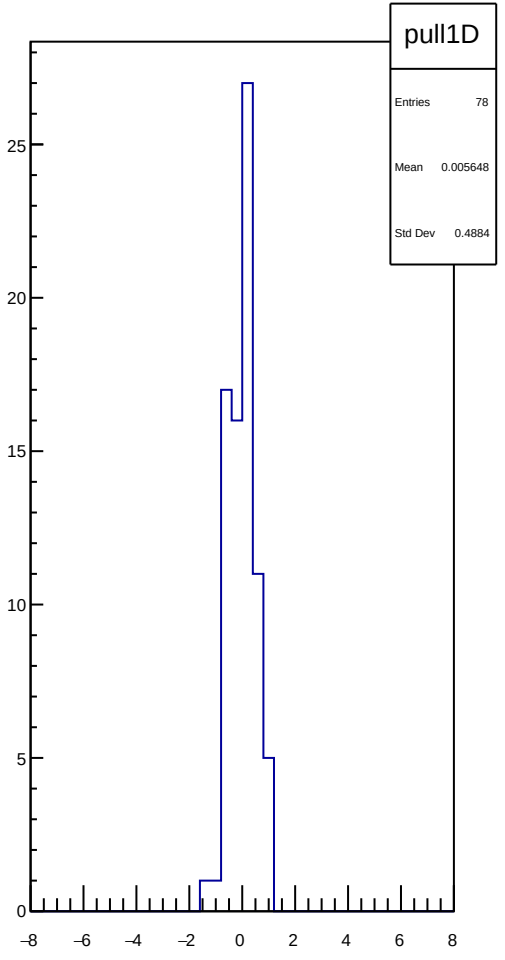

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.48 / 77
p0 −54.02 ± 2.94
pull
Entries 78
Mean −36.44
Std Dev 44.15

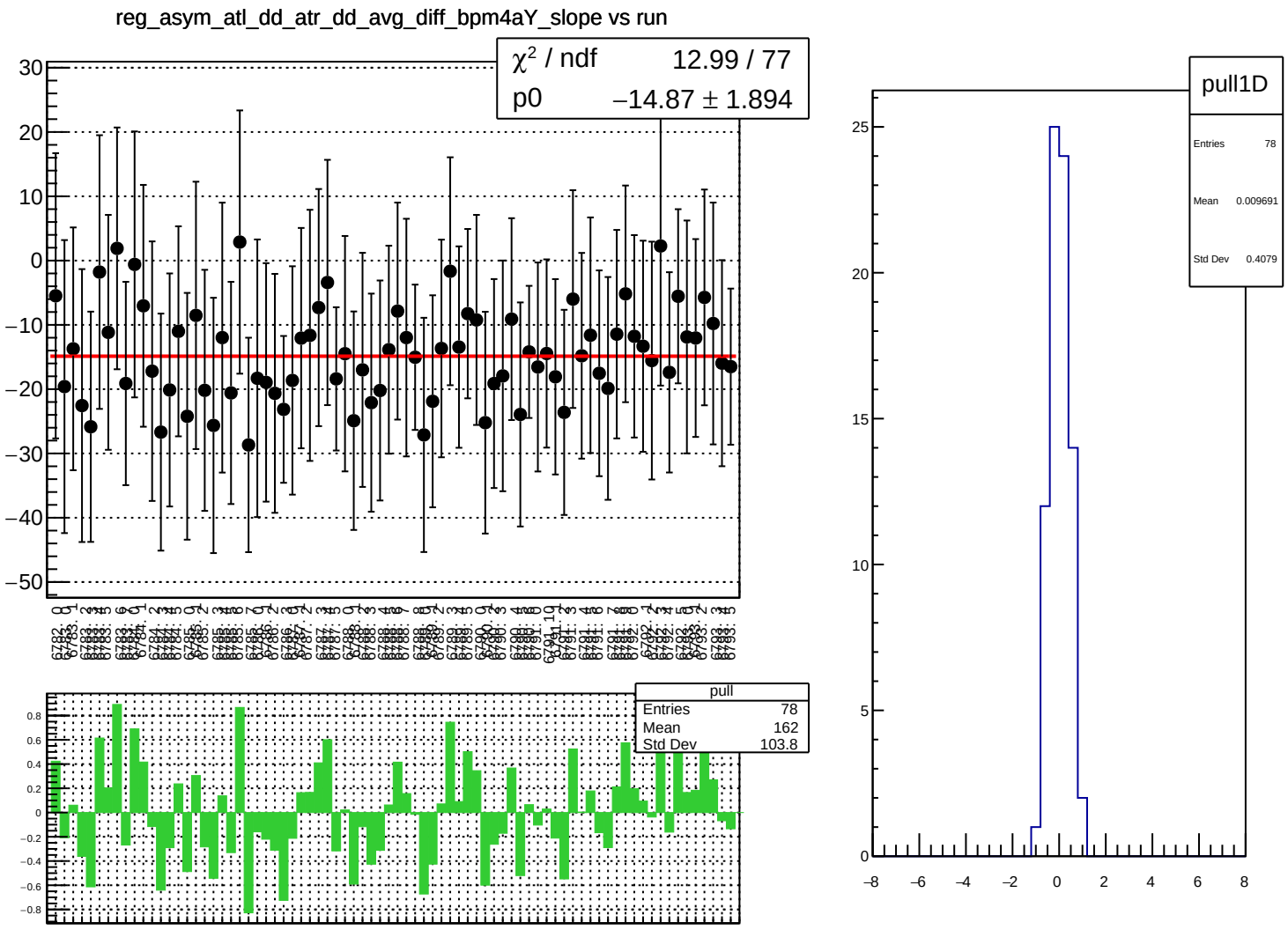

pull1D
Entries 78
Mean −0.02446
Std Dev 0.5118

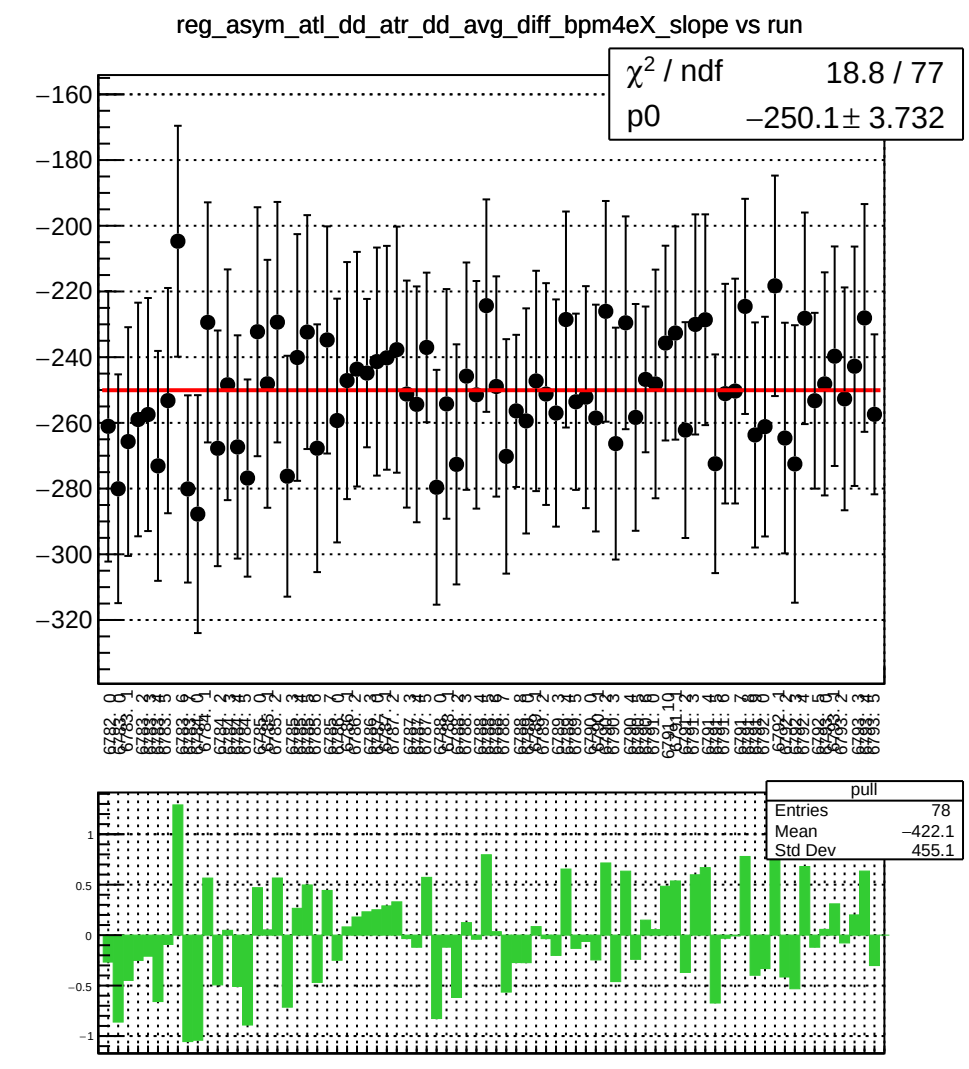

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 24.18 / 77
p0 137.9 ± 0.1979
144
142
140
138
136
134
132
pull
Entries 78
Mean −4173
Std Dev 4212
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

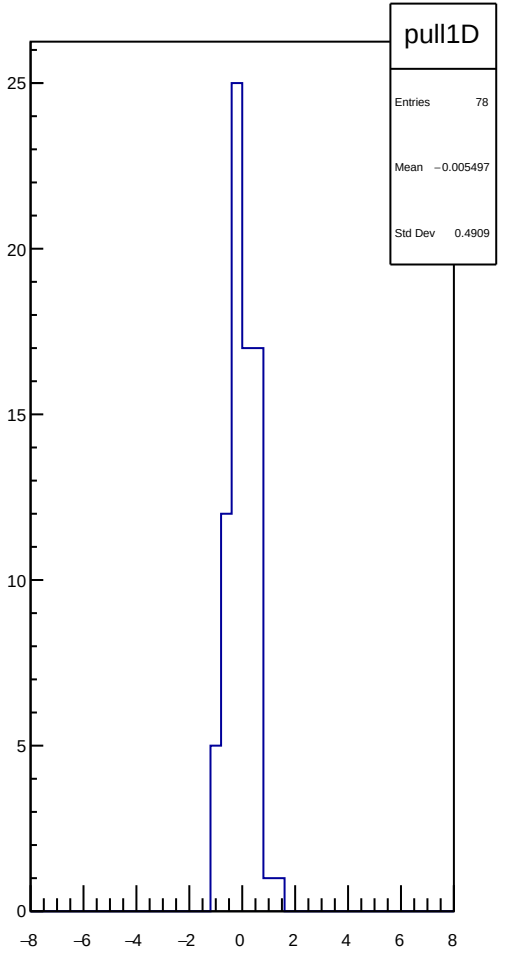

pull1D
Entries 78
Mean 0.0004715
Std Dev 0.5567
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

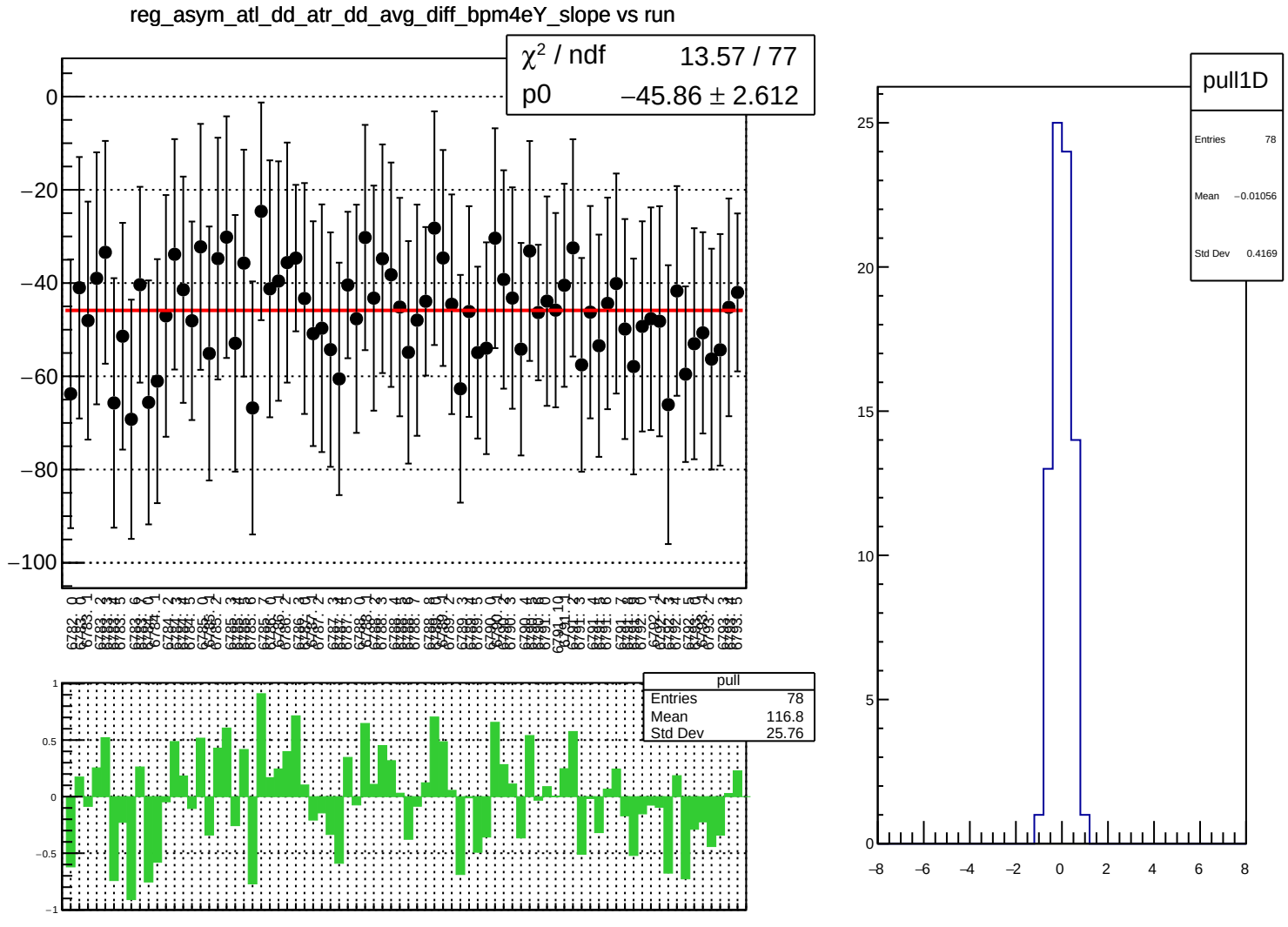

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.61 / 77
p0 251.8 ± 3.997
pull
Entries 78
Mean −424.8
Std Dev 458.8

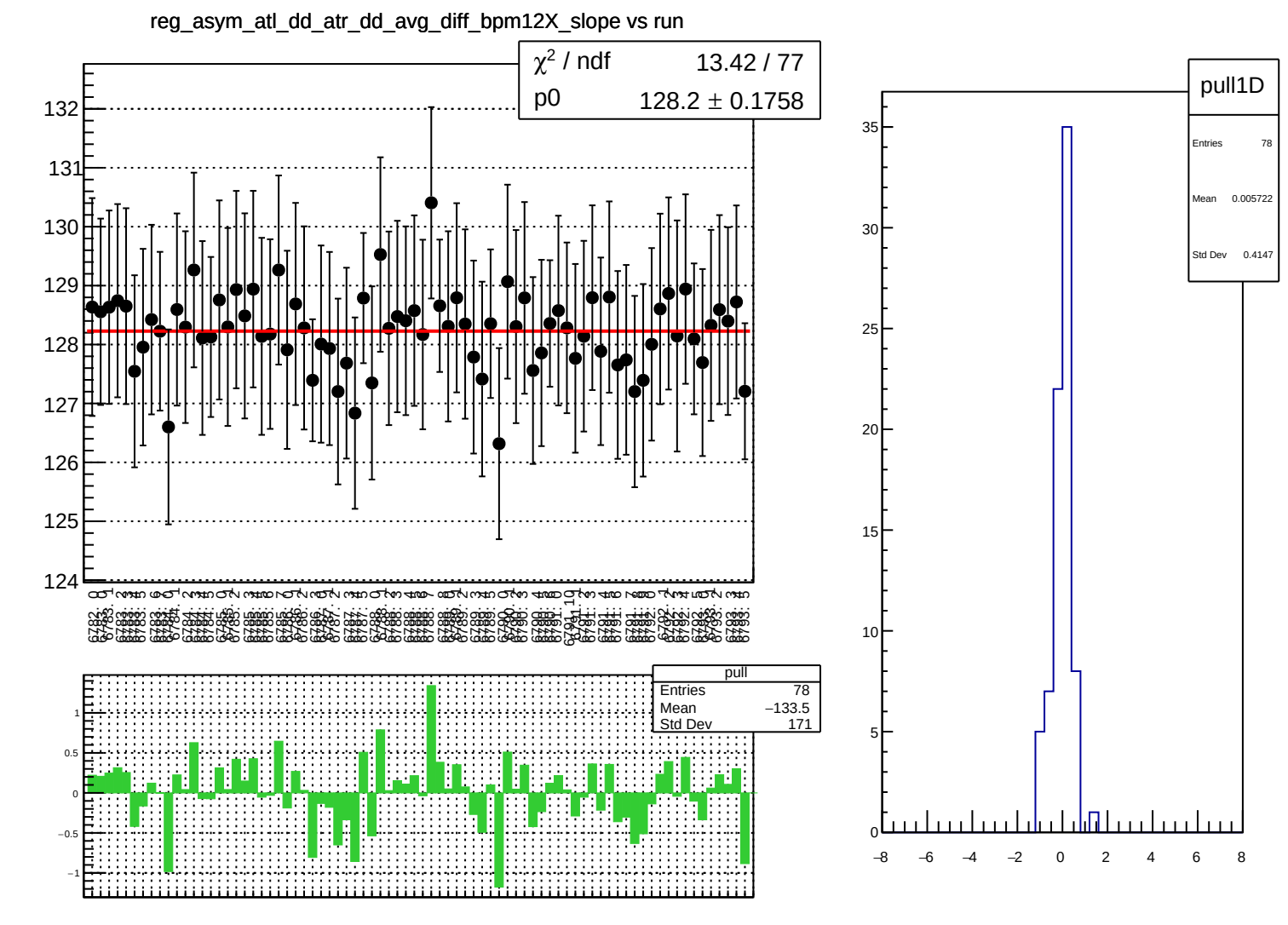

pull1D
Entries 78
Mean 0.005648
Std Dev 0.4884

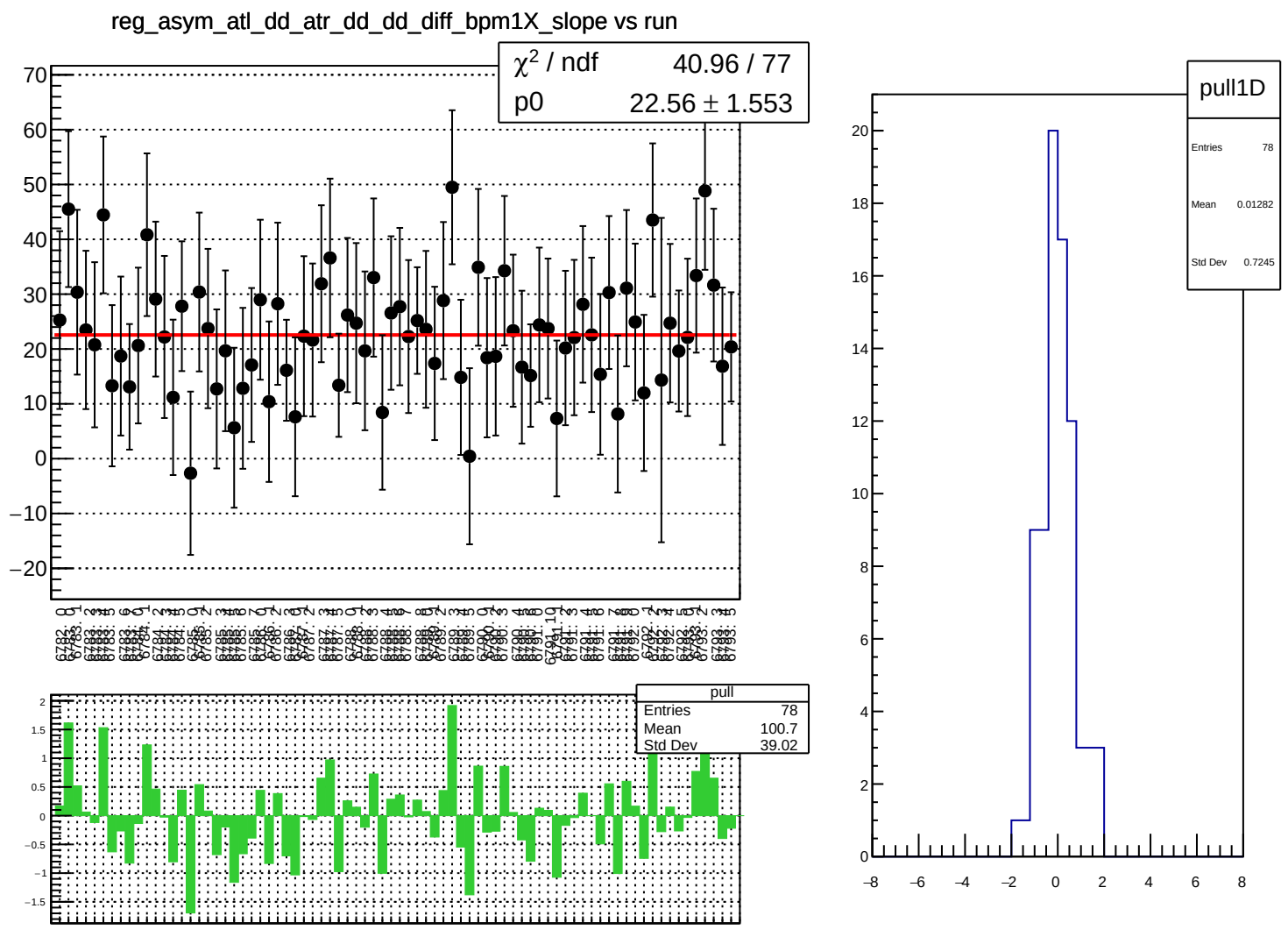

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.99 / 77
p0 −14.87 ± 1.894
pull
Entries 78
Mean 162
Std Dev 103.8
pull1D
Entries 78
Mean 0.009691
Std Dev 0.4079

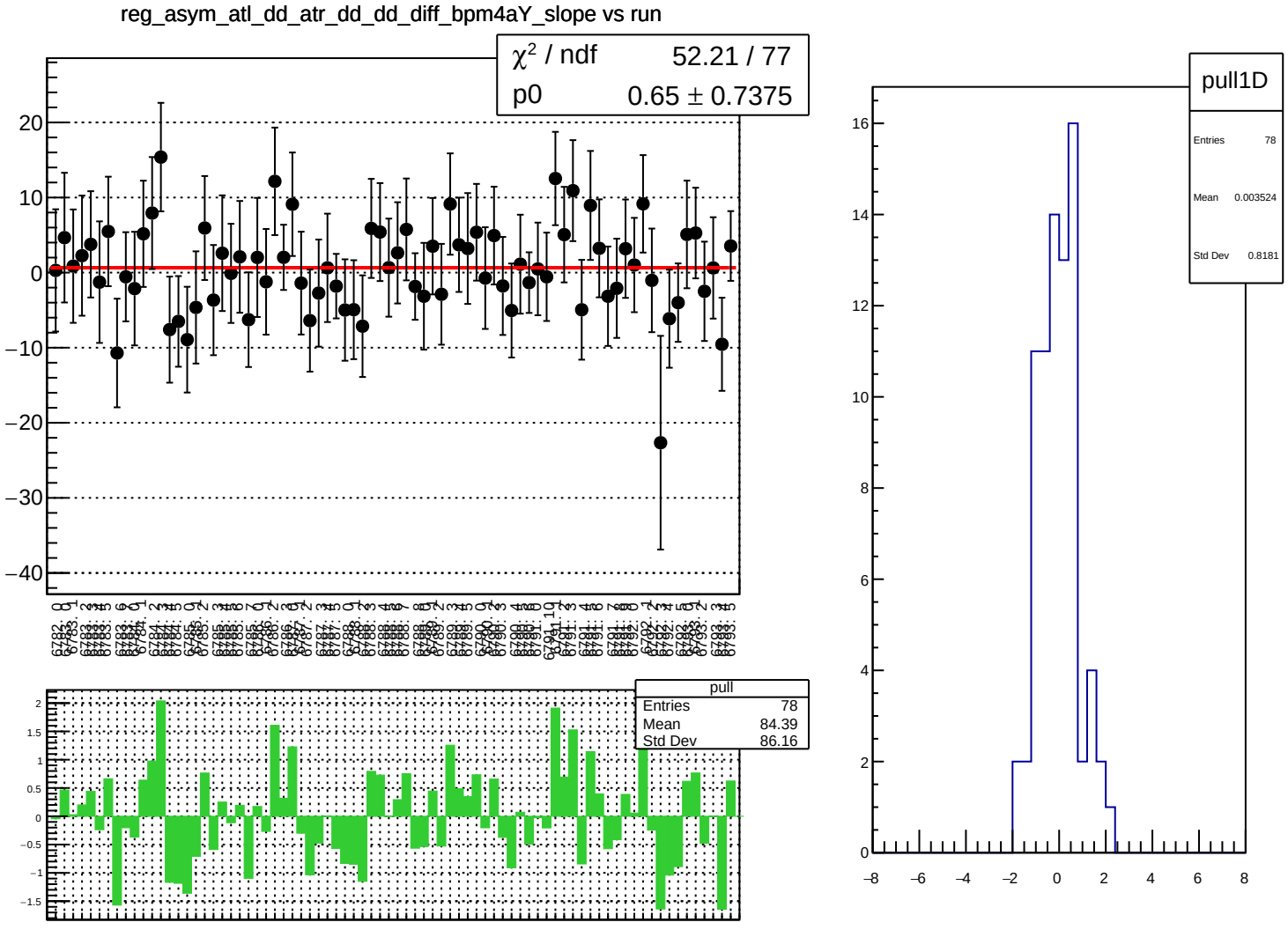

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.8 / 77
p0 −250.1± 3.732
pull
Entries 78
Mean −422.1
Std Dev 455.1

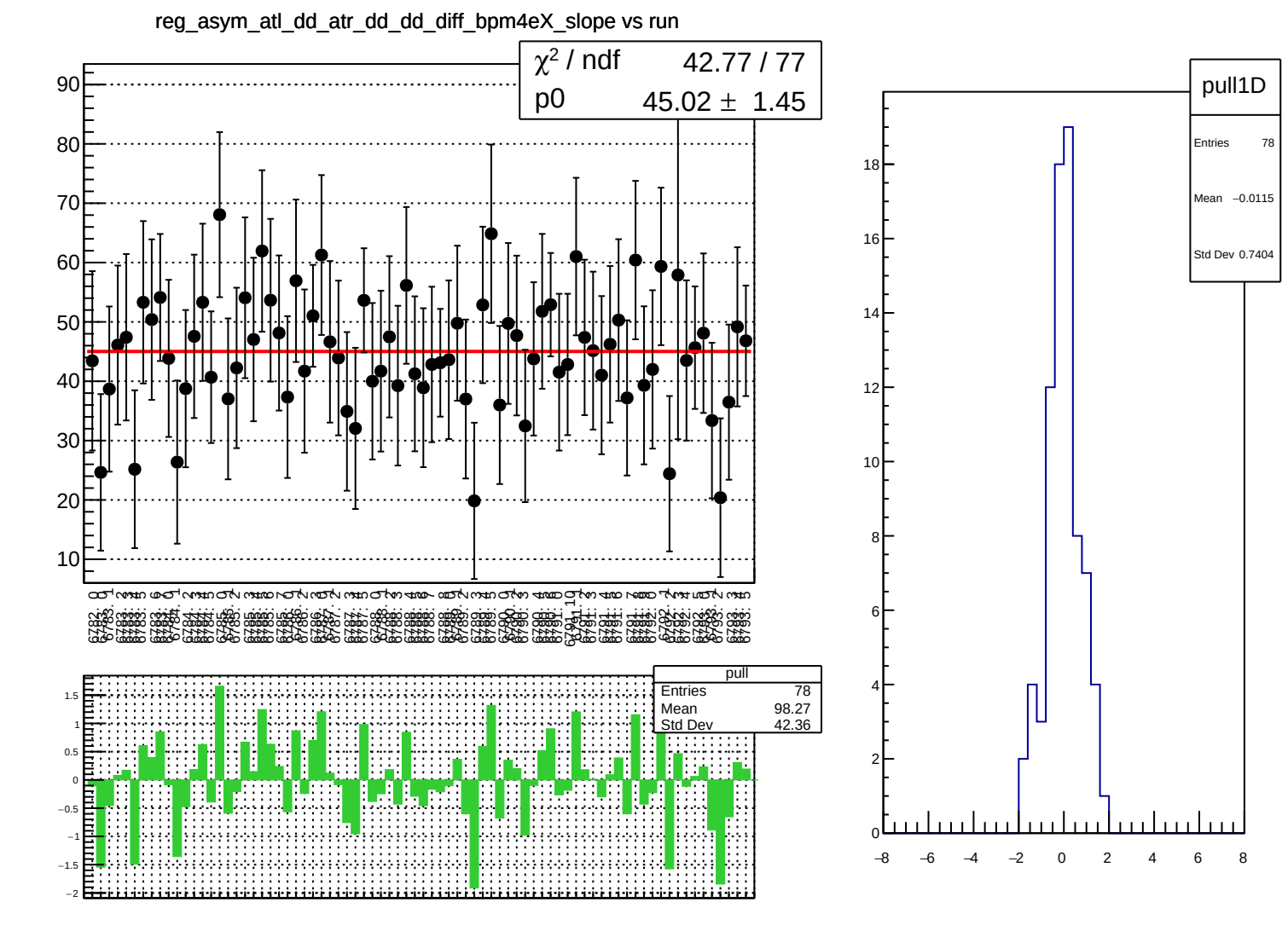

pull1D
Entries 78
Mean −0.005497
Std Dev 0.4909

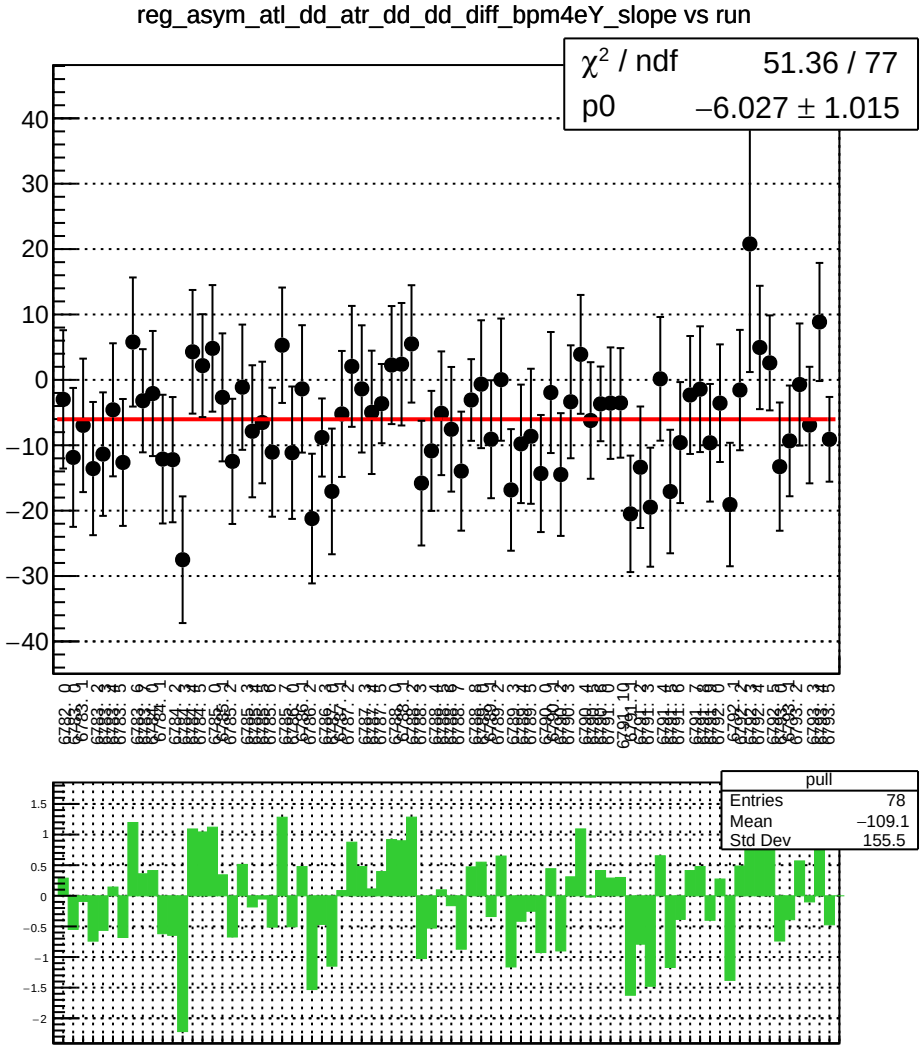

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.57 / 77
p0 −45.86 ± 2.612
pull
Entries 78
Mean 116.8
Std Dev 25.76
pull1D
Entries 78
Mean −0.01056
Std Dev 0.4169

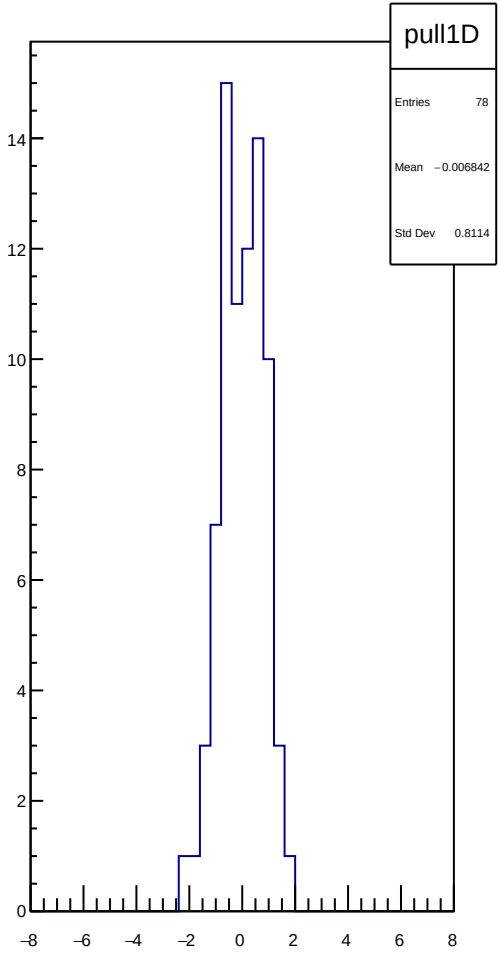

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.42 / 77
p0 128.2 ± 0.1758
pull
Entries 78
Mean −133.5
Std Dev 171
pull1D
Entries 78
Mean 0.005722
Std Dev 0.4147

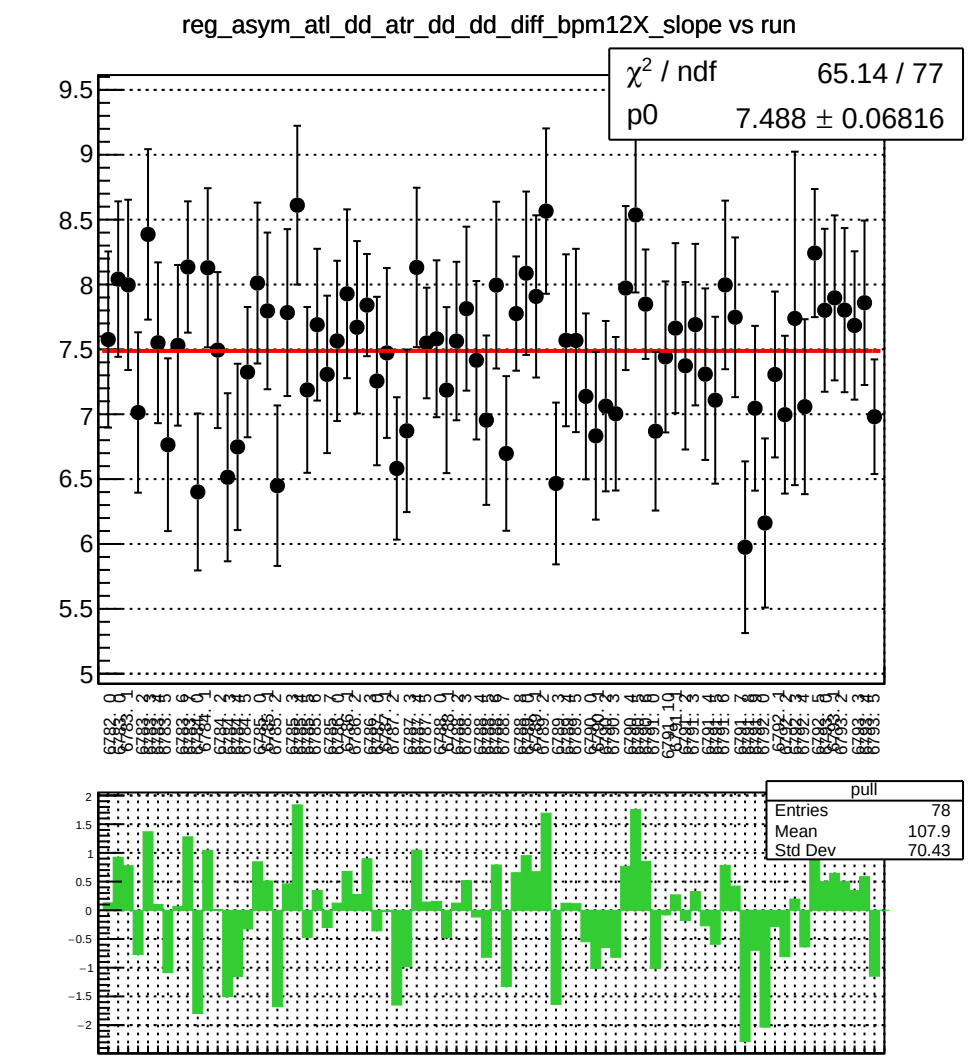

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 40.96 / 77
p0 22.56 ± 1.553
pull
Entries 78
Mean 100.7
Std Dev 39.02
pull1D
Entries 78
Mean 0.01282
Std Dev 0.7245

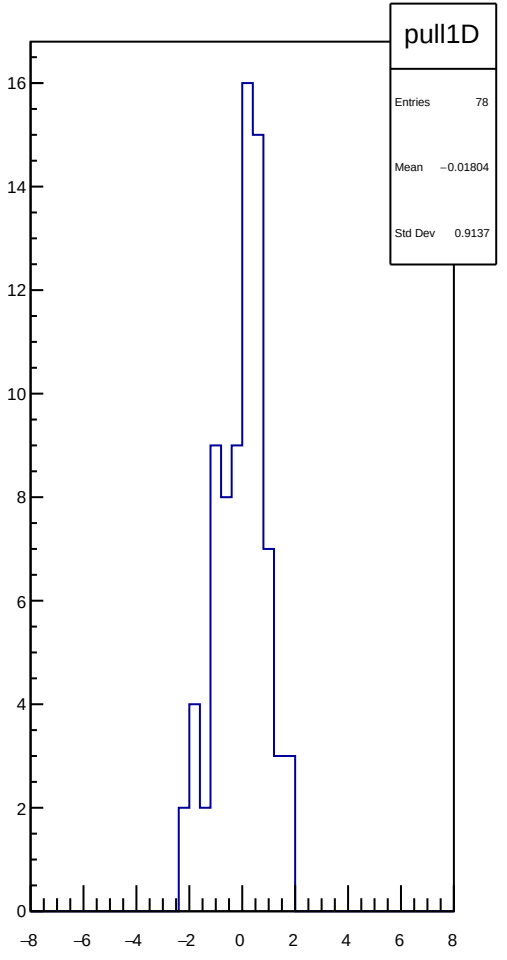

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 52.21 / 77
p0 0.65 ± 0.7375
pull
Entries 78
Mean 84.39
Std Dev 86.16
pull1D
Entries 78
Mean 0.003524
Std Dev 0.8181

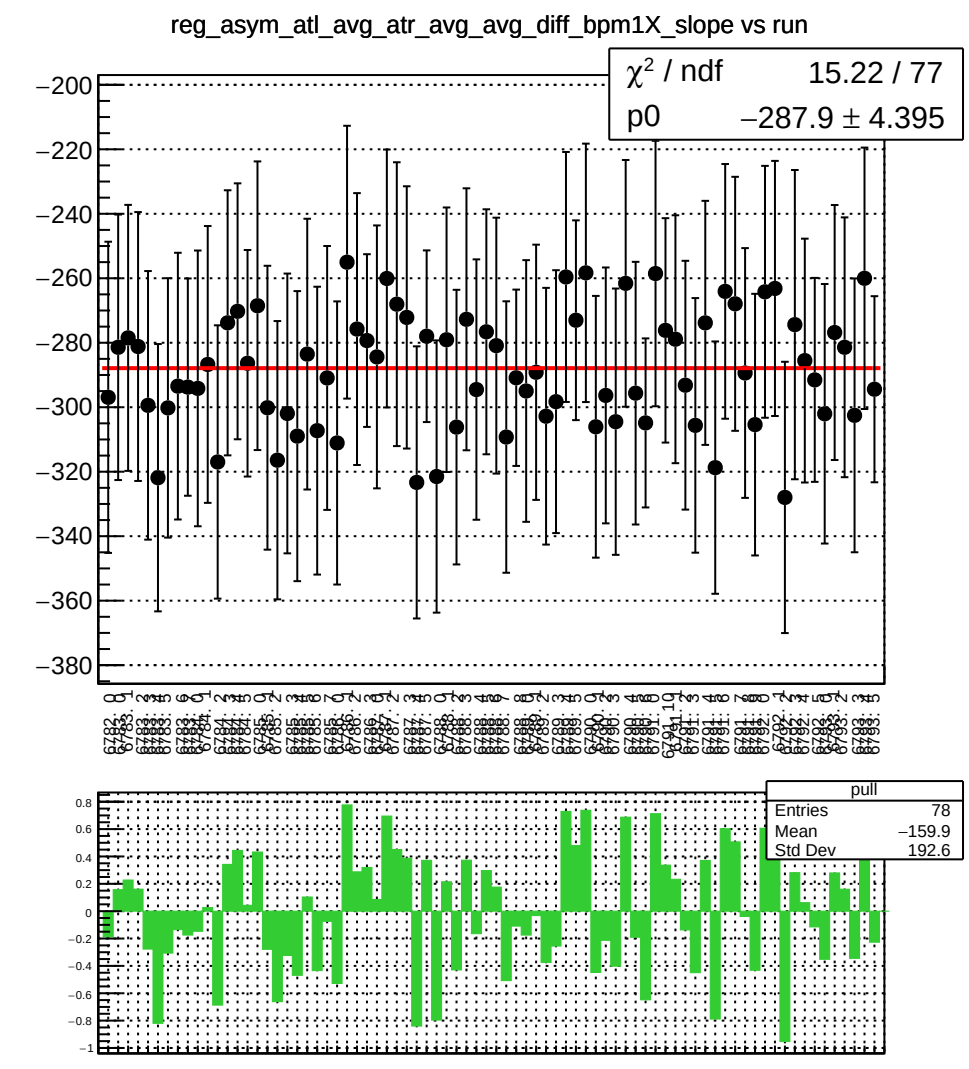

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.77 / 77
p0 45.02 ± 1.45
pull
Entries 78
Mean 98.27
Std Dev 42.36
pull1D
Entries 78
Mean −0.0115
Std Dev 0.7404

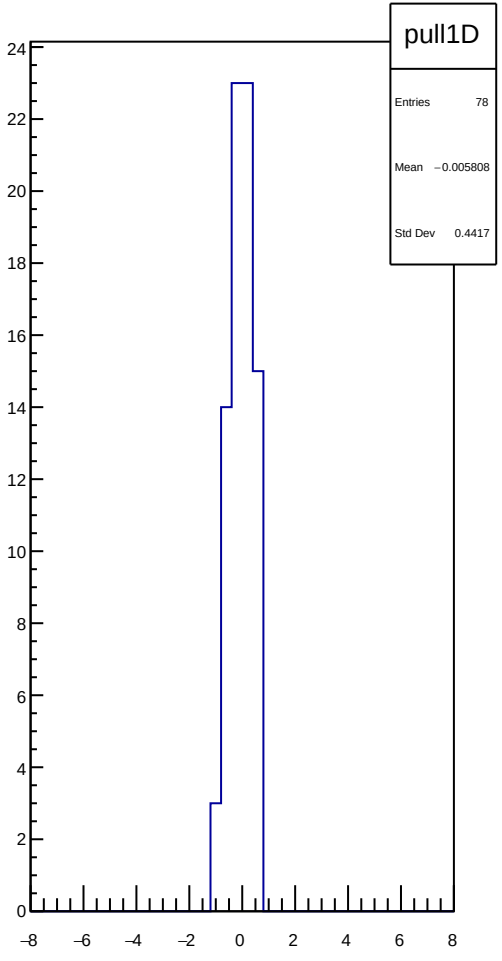

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.36 / 77
p0 −6.027 ± 1.015
pull
Entries 78
Mean −109.1
Std Dev 155.5

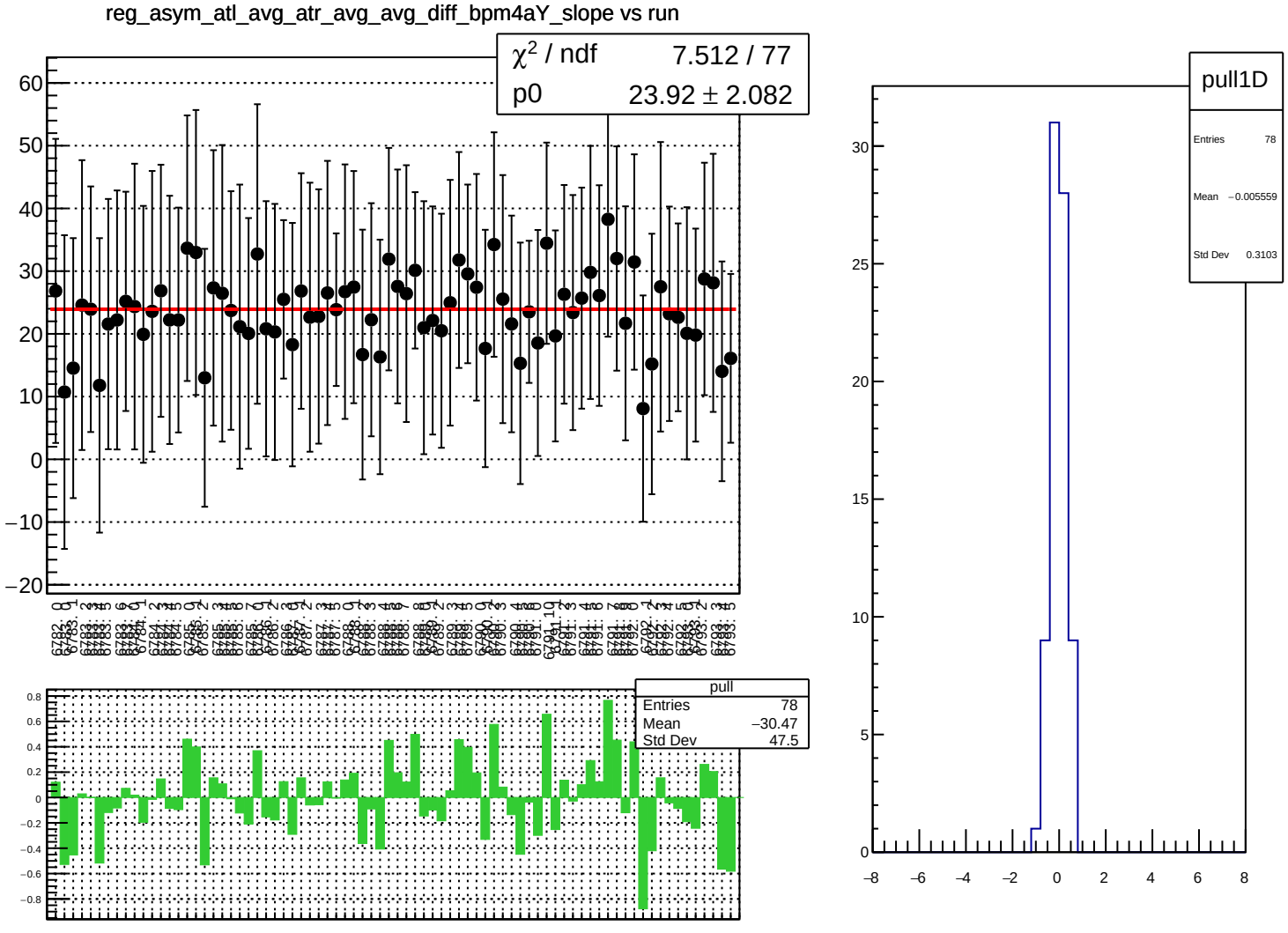

pull1D
Entries 78
Mean −0.006842
Std Dev 0.8114

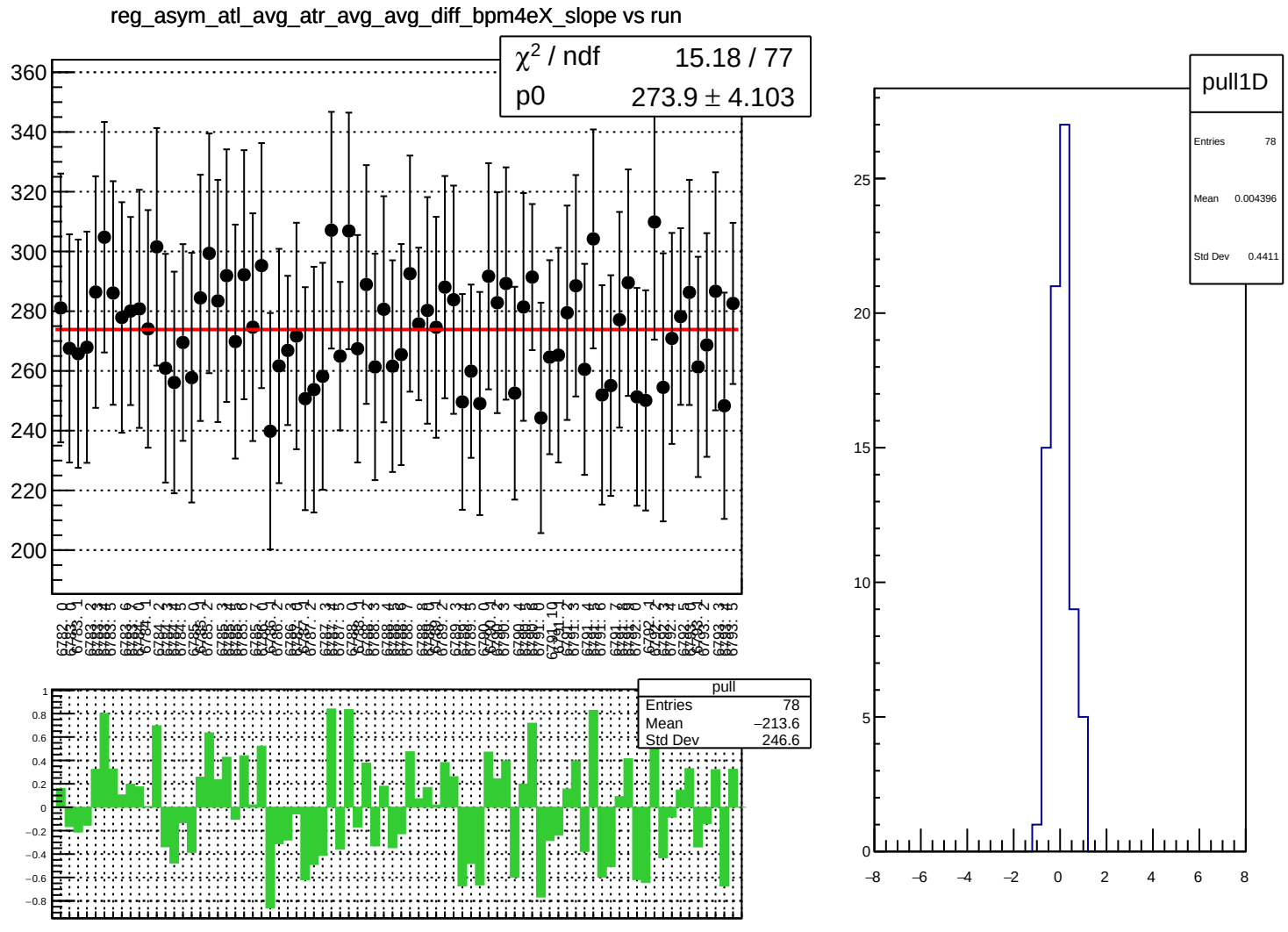

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 65.14 / 77
p0 7.488 ± 0.06816
pull
Entries 78
Mean 107.9
Std Dev 70.43

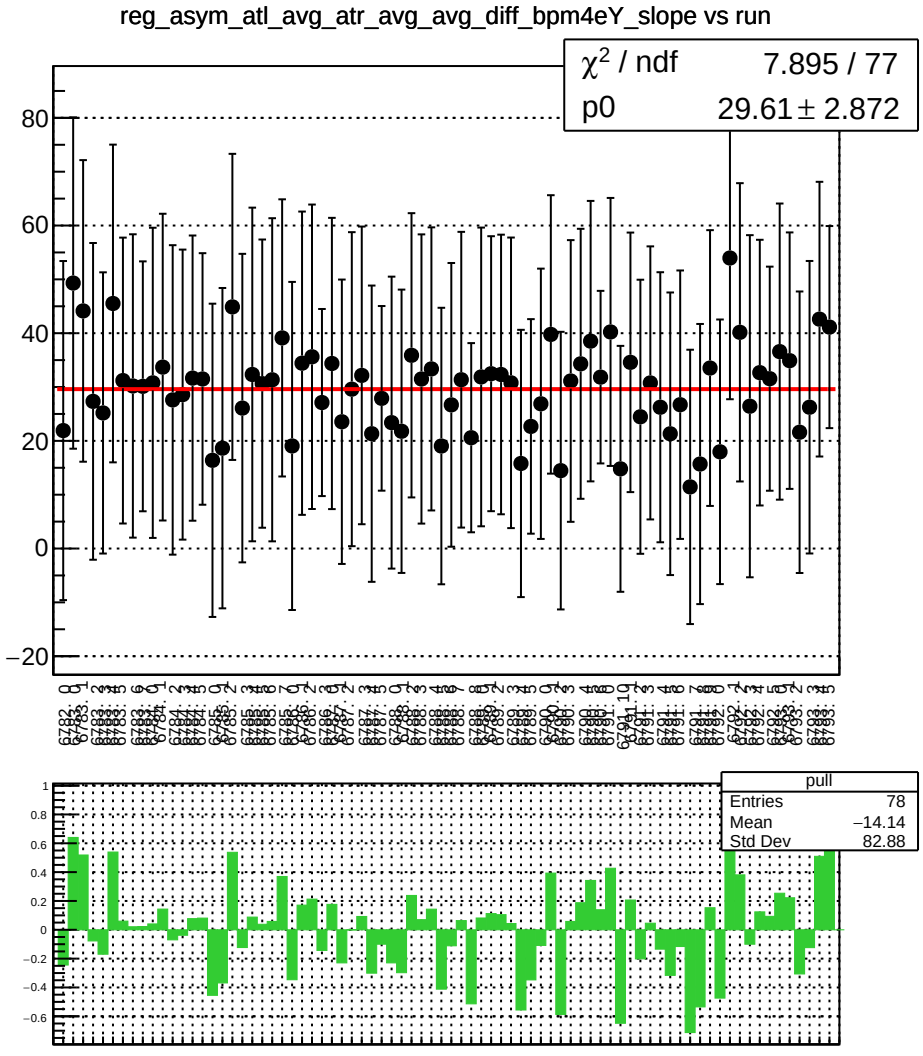

pull1D
Entries 78
Mean −0.01804
Std Dev 0.9137

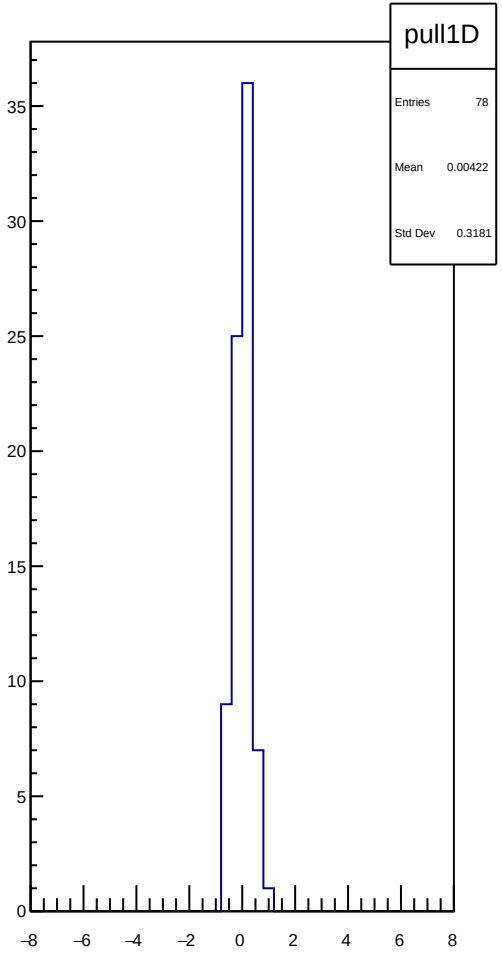

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 15.22 / 77
p0 −287.9 ± 4.395
pull
Entries 78
Mean −159.9
Std Dev 192.6

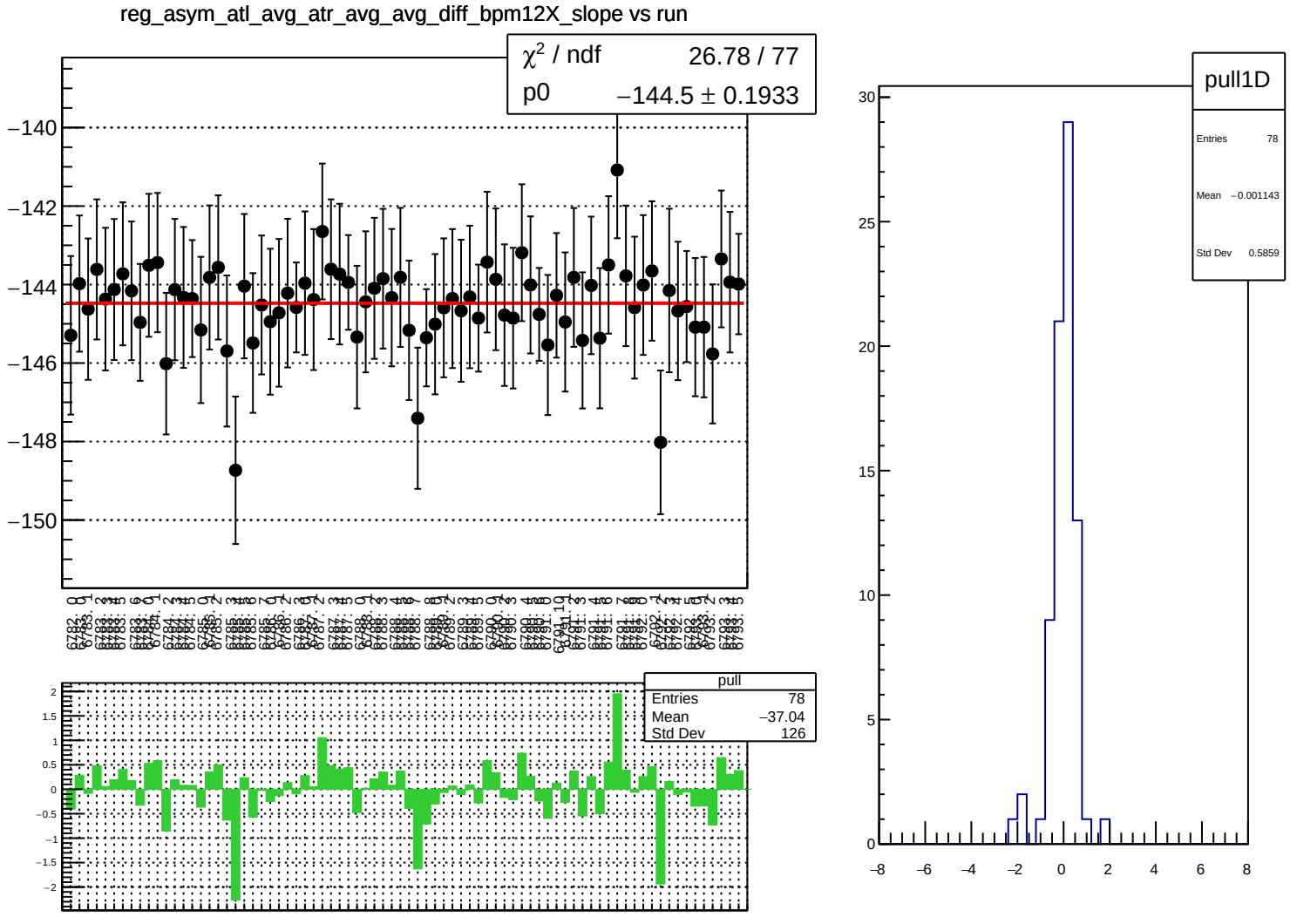

pull1D
Entries 78
Mean −0.005808
Std Dev 0.4417

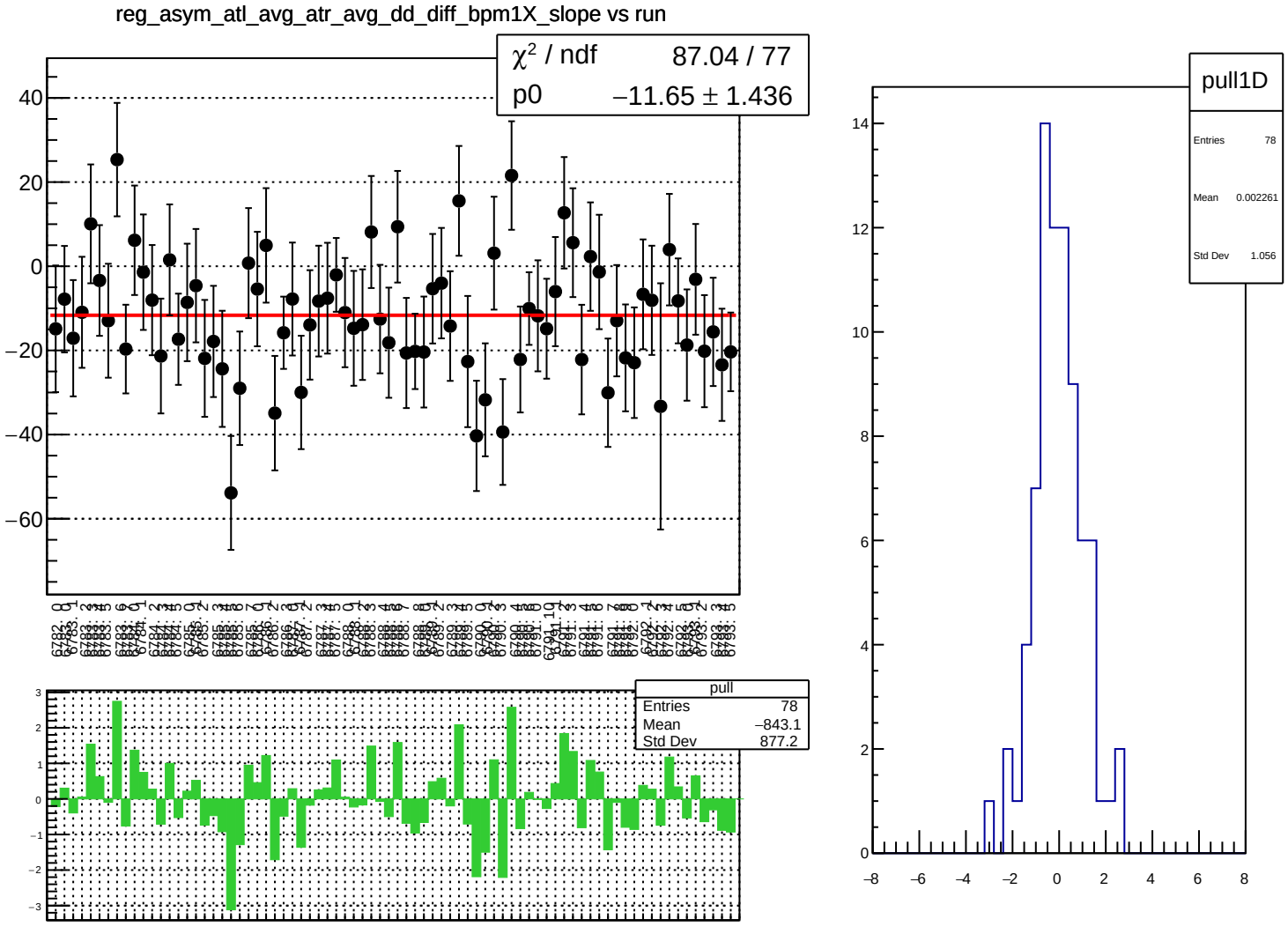

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.512 / 77
p0 23.92 ± 2.082
pull
Entries 78
Mean −30.47
Std Dev 47.5
pull1D
Entries 78
Mean −0.005559
Std Dev 0.3103

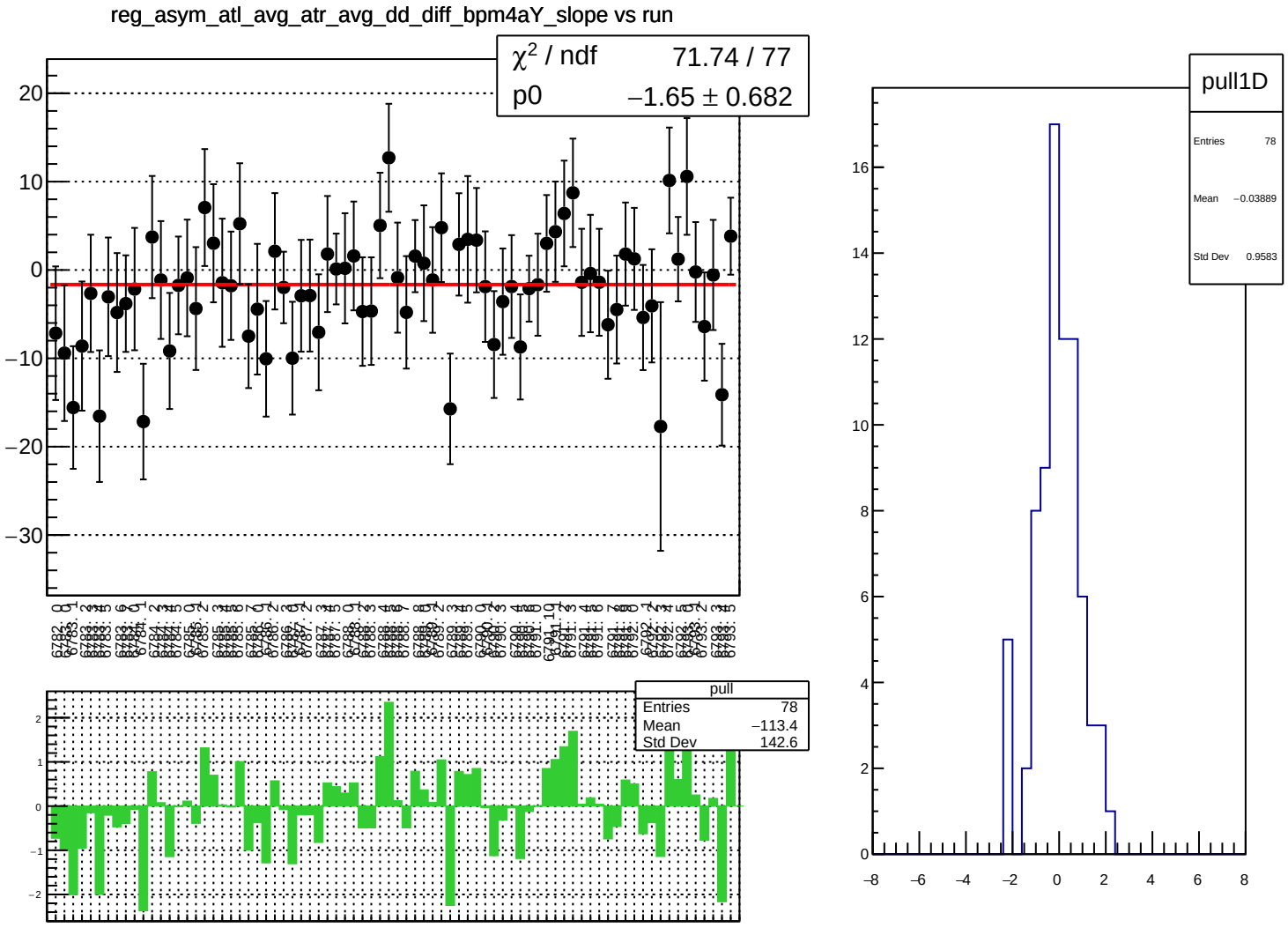

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.18 / 77
p0 273.9 ± 4.103
pull
Entries 78
Mean −213.6
Std Dev 246.6
pull1D
Entries 78
Mean 0.004396
Std Dev 0.4411

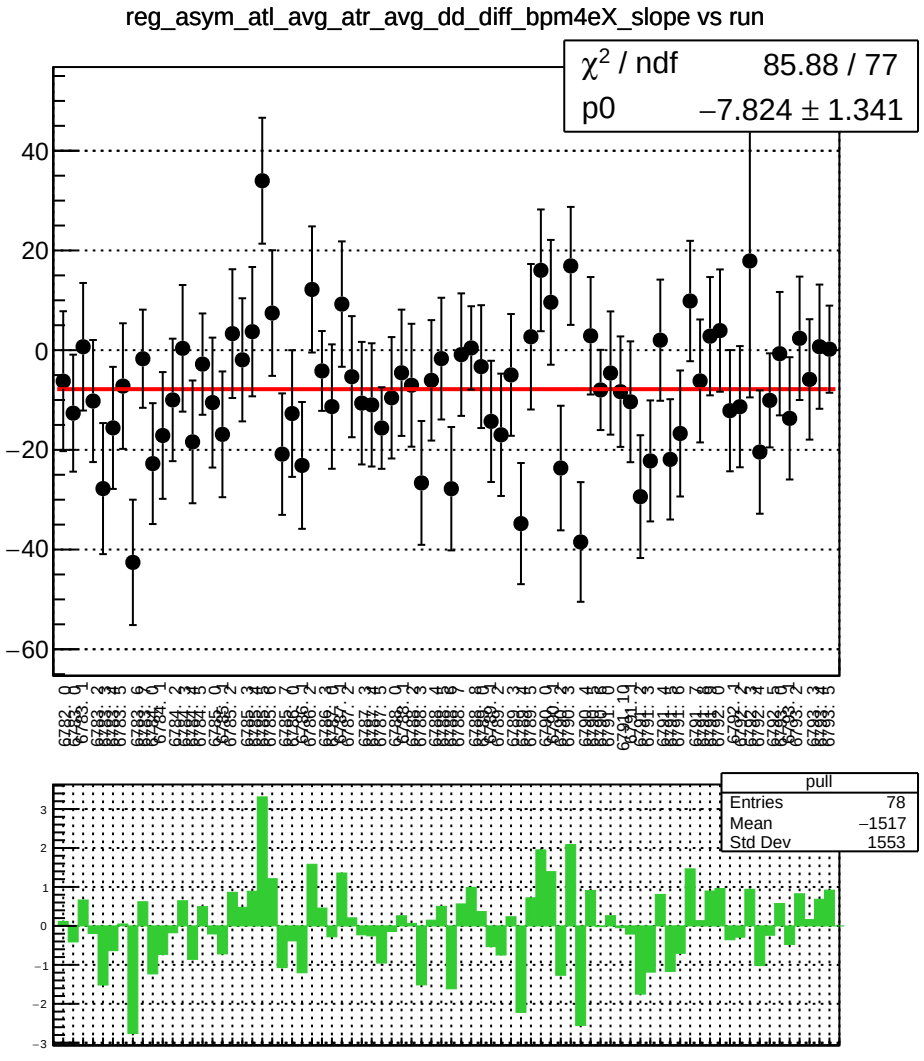

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.895 / 77
p0 29.61 ± 2.872
pull
Entries 78
Mean −14.14
Std Dev 82.88

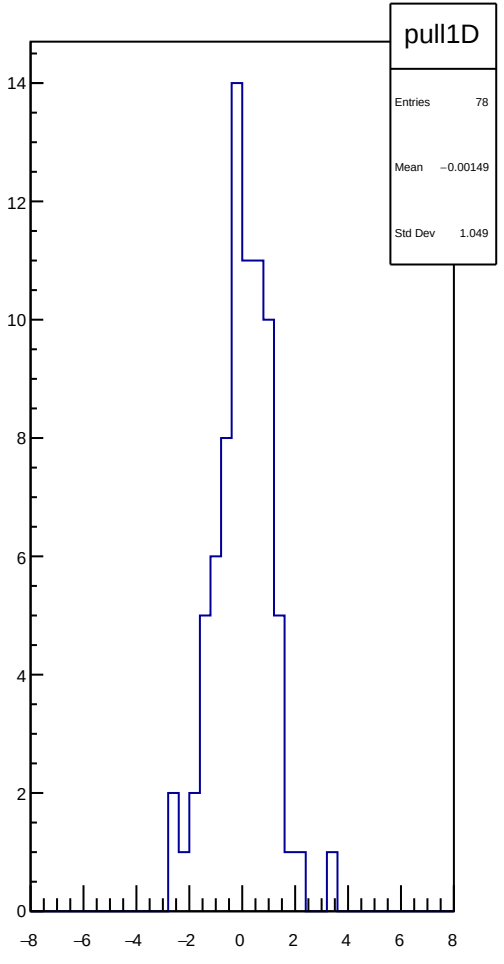

pull1D
Entries 78
Mean 0.00422
Std Dev 0.3181

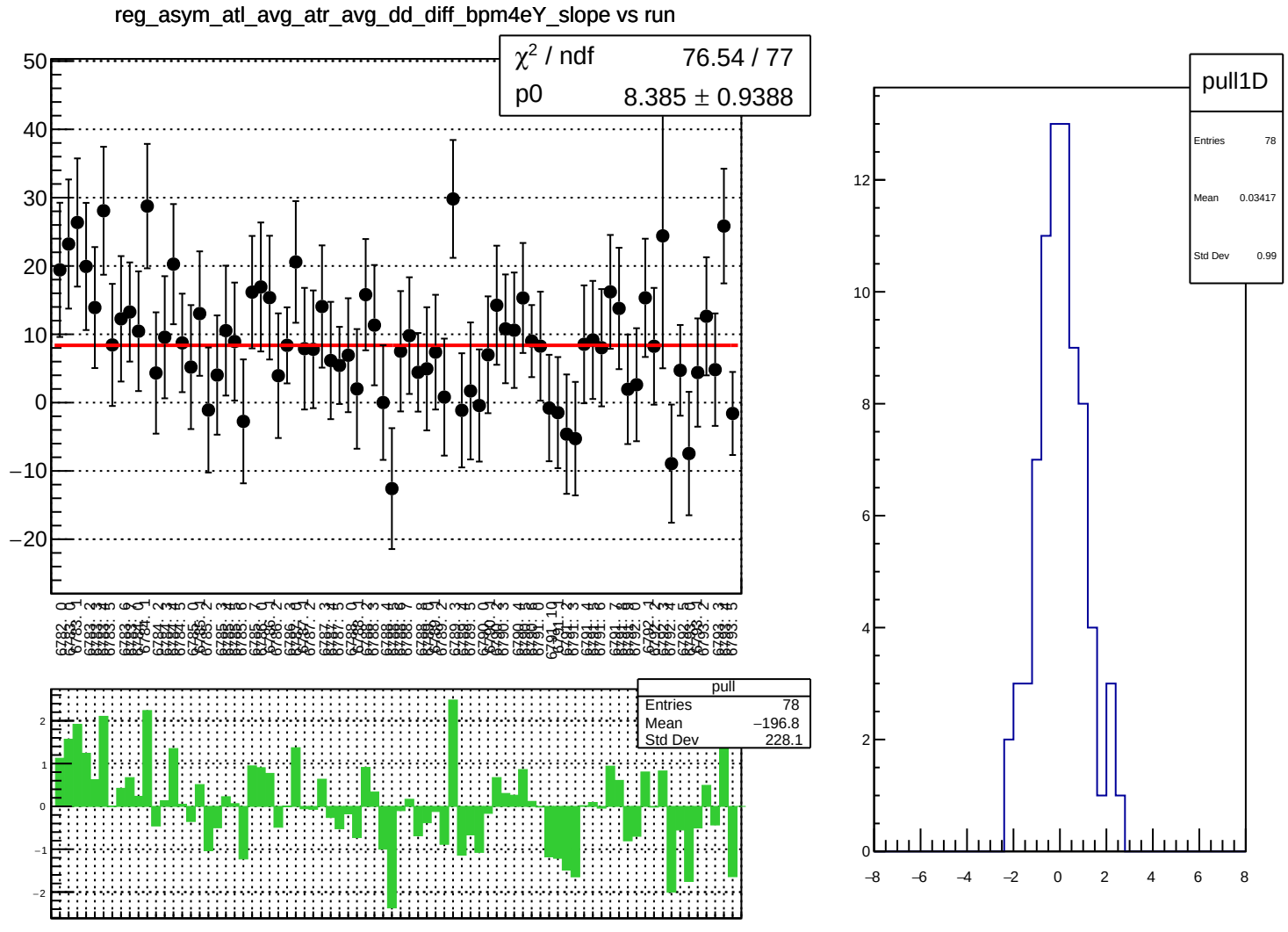

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 26.78 / 77
p0 −144.5 ± 0.1933
−140
−142
−144
−146
−148
−150
pull
Entries 78
Mean −37.04
Std Dev 126
pull1D
Entries 78
Mean −0.001143
Std Dev 0.5859

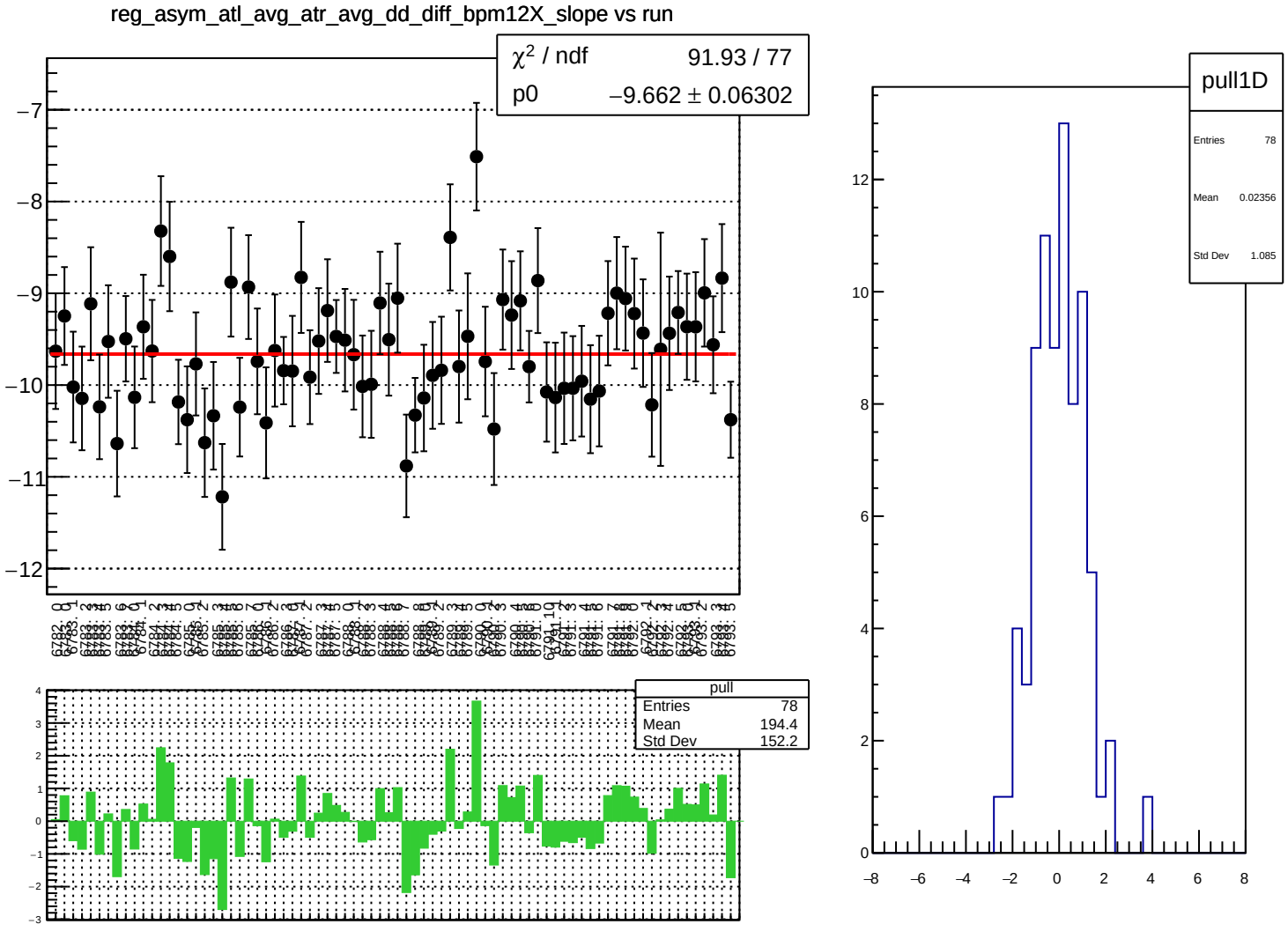

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 87.04 / 77
p0 −11.65 ± 1.436
pull
Entries 78
Mean −843.1
Std Dev 877.2
pull1D
Entries 78
Mean 0.002261
Std Dev 1.056

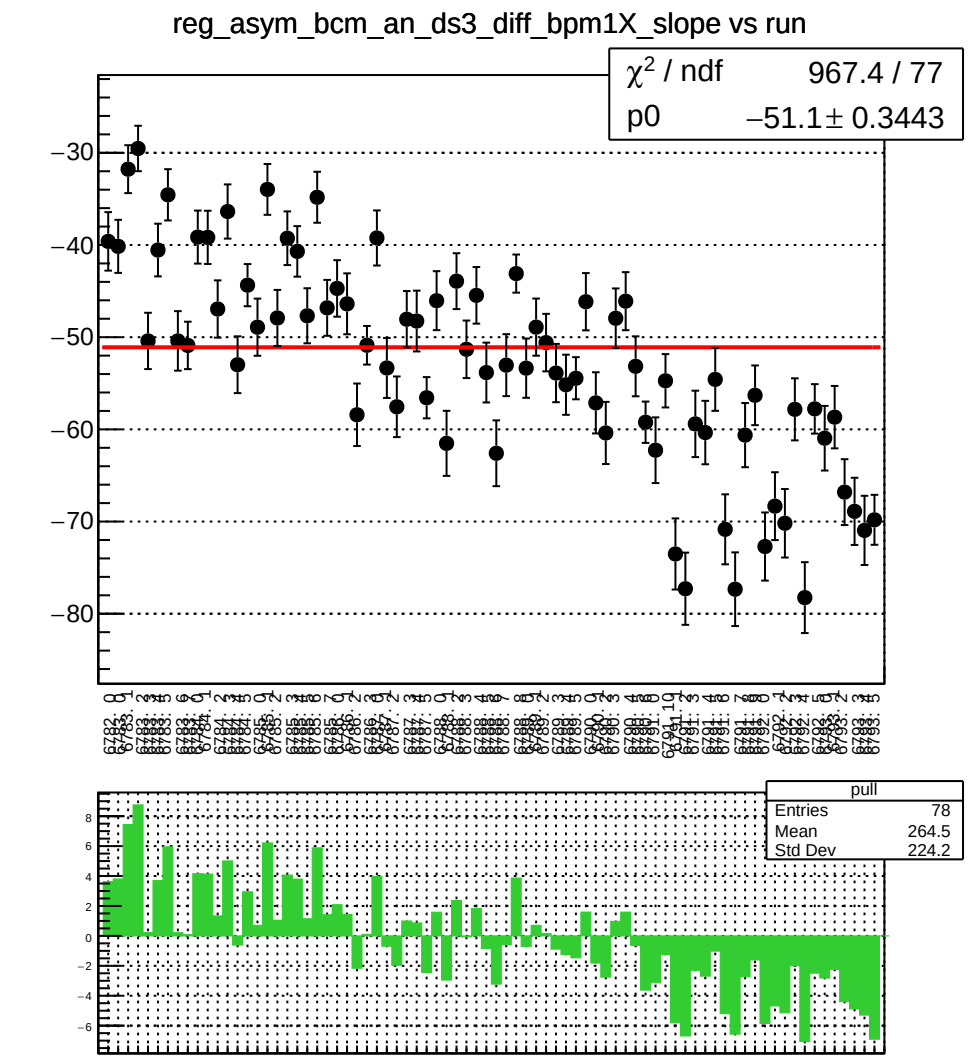

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.74 / 77
p0 −1.65 ± 0.682
pull
Entries 78
Mean −113.4
Std Dev 142.6
pull1D
Entries 78
Mean −0.03889
Std Dev 0.9583

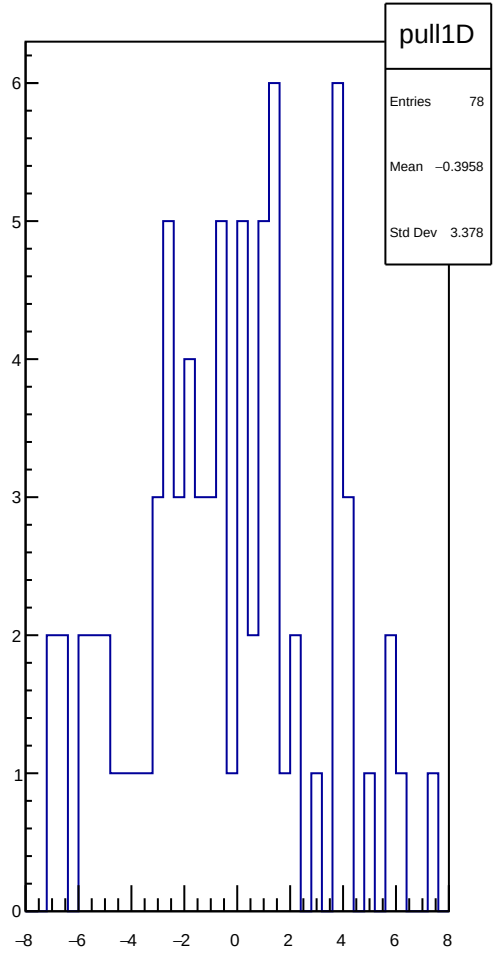

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.88 / 77
p0 −7.824 ± 1.341
pull
Entries 78
Mean −1517
Std Dev 1553

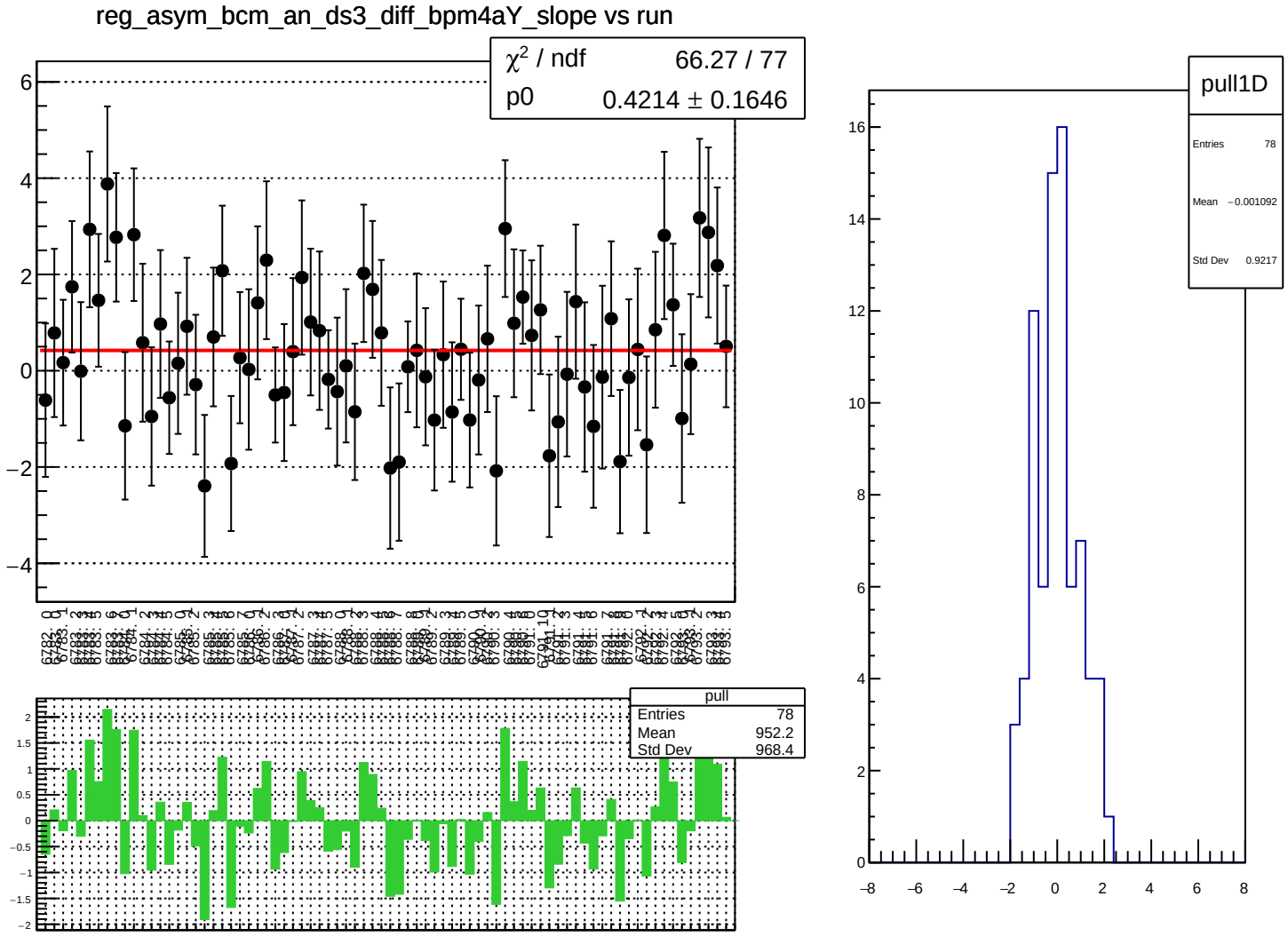

pull1D
Entries 78
Mean −0.00149
Std Dev 1.049

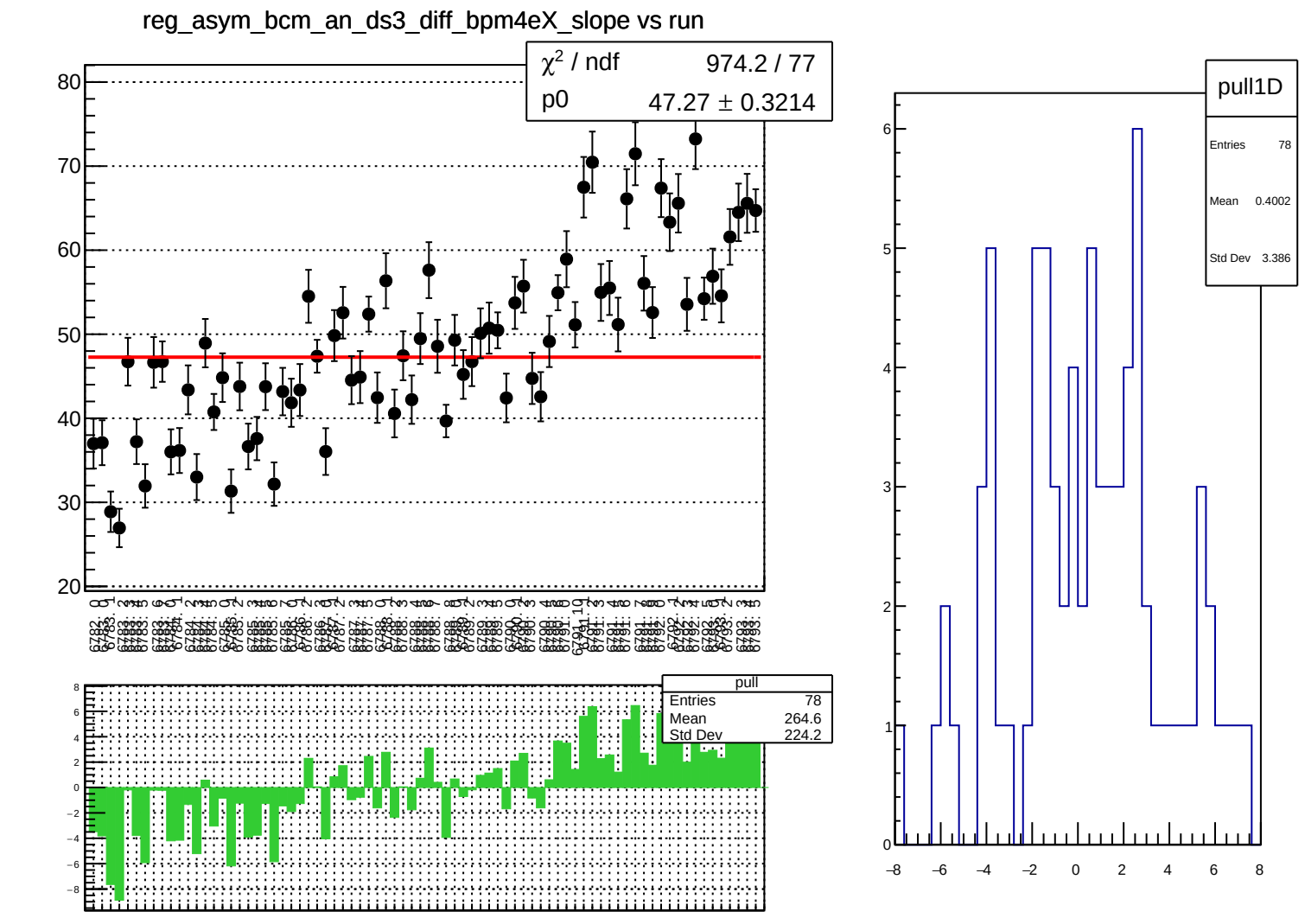

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.54 / 77
p0 8.385 ± 0.9388
pull
Entries 78
Mean −196.8
Std Dev 228.1
pull1D
Entries 78
Mean 0.03417
Std Dev 0.99

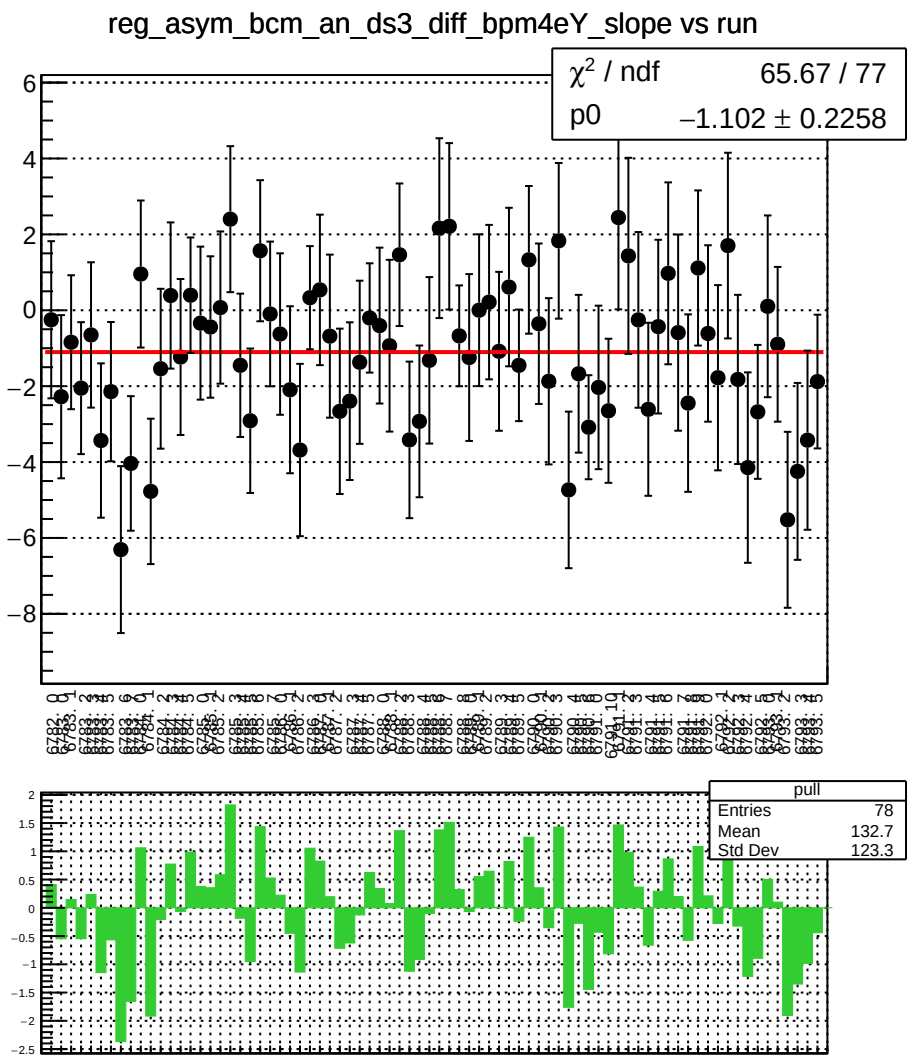

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 91.93 / 77
p0 −9.662 ± 0.06302
pull
Entries 78
Mean 194.4
Std Dev 152.2
pull1D
Entries 78
Mean 0.02356
Std Dev 1.085

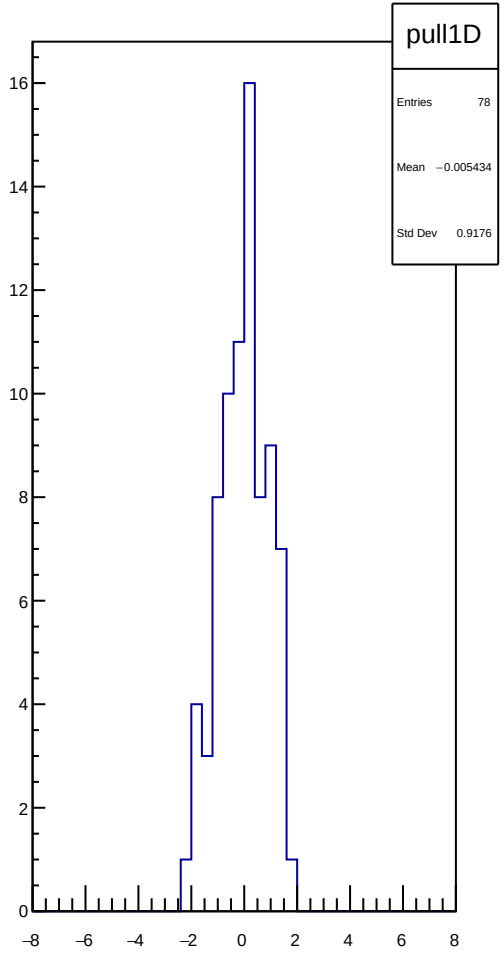

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 967.4 / 77
p0 −51.1 ± 0.3443
pull
Entries 78
Mean 264.5
Std Dev 224.2

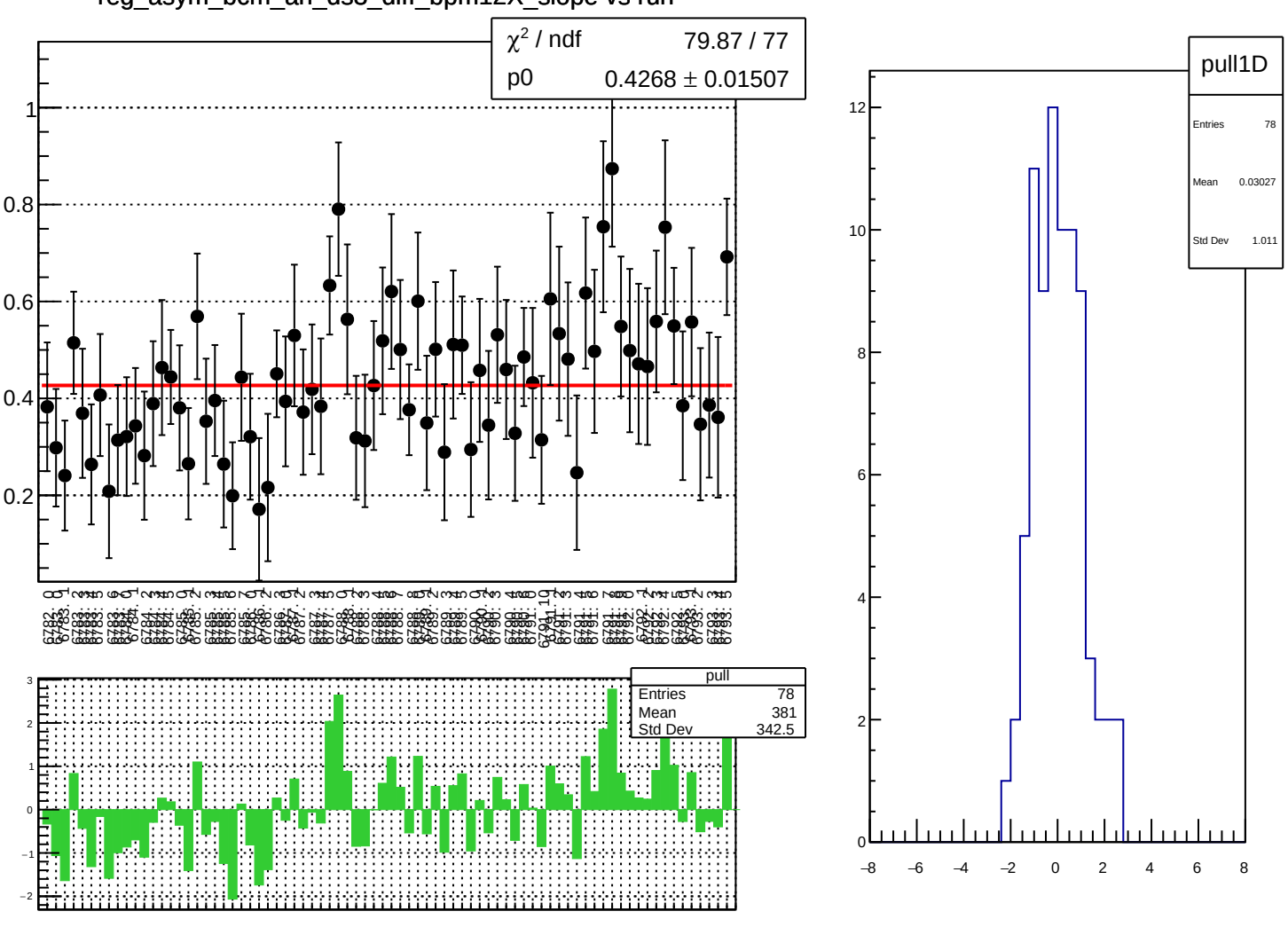

pull1D
Entries 78
Mean −0.3958
Std Dev 3.378

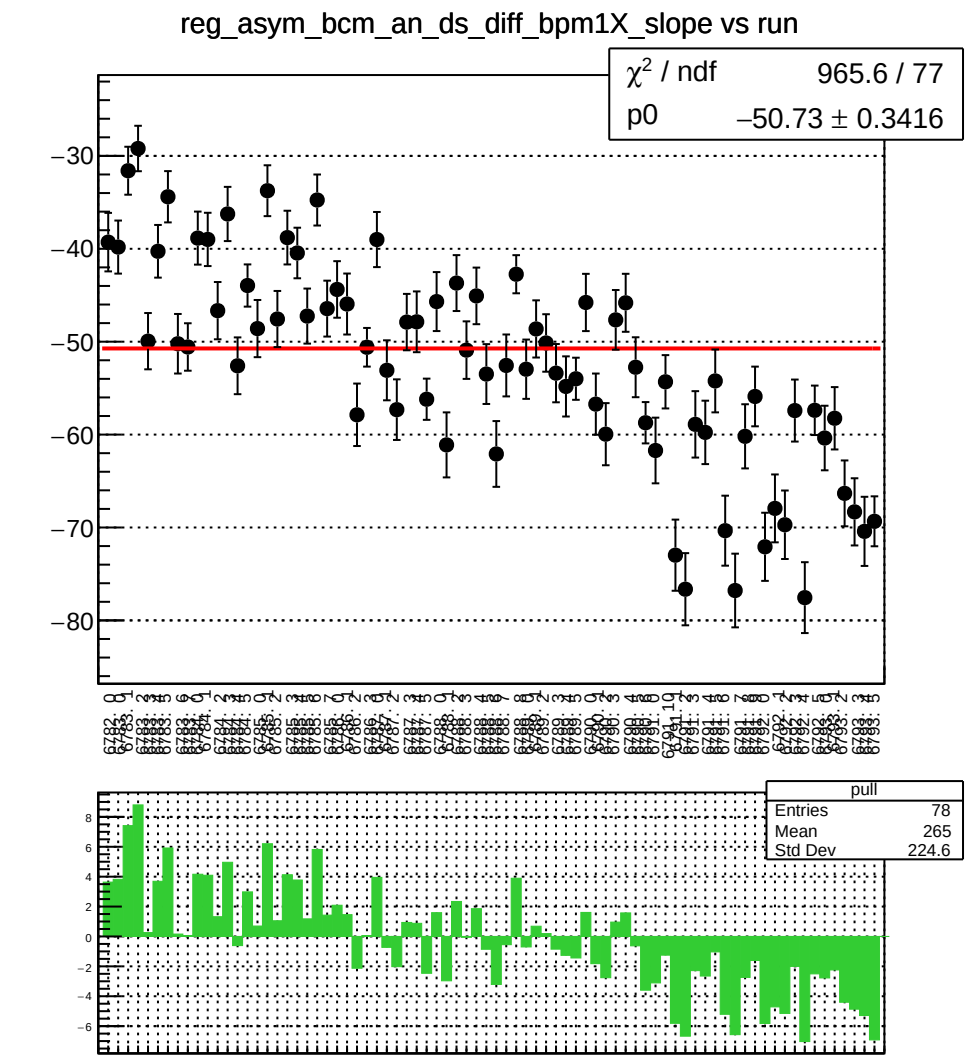

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 66.27 / 77
p0 0.4214 ± 0.1646
pull
Entries 78
Mean 952.2
Std Dev 968.4
pull1D
Entries 78
Mean −0.001092
Std Dev 0.9217

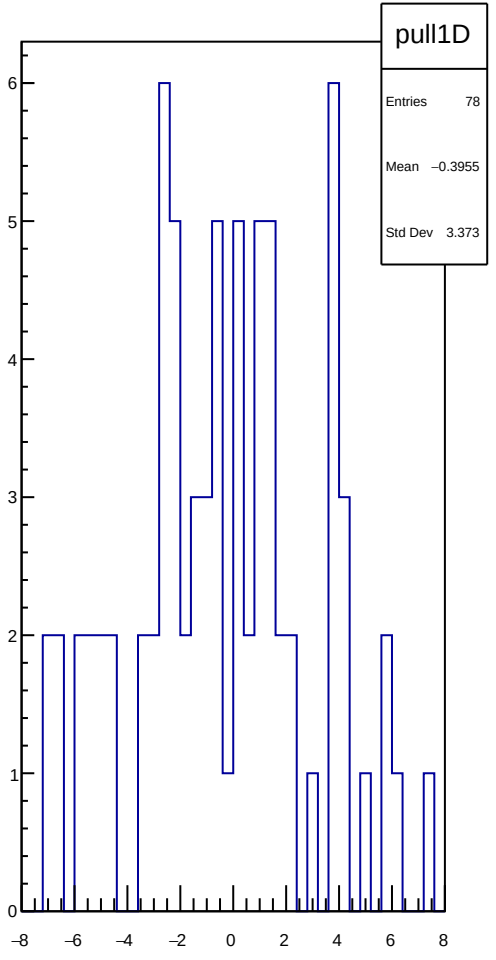

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 974.2 / 77
p0 47.27 ± 0.3214
pull
Entries 78
Mean 264.6
Std Dev 224.2
pull1D
Entries 78
Mean 0.4002
Std Dev 3.386

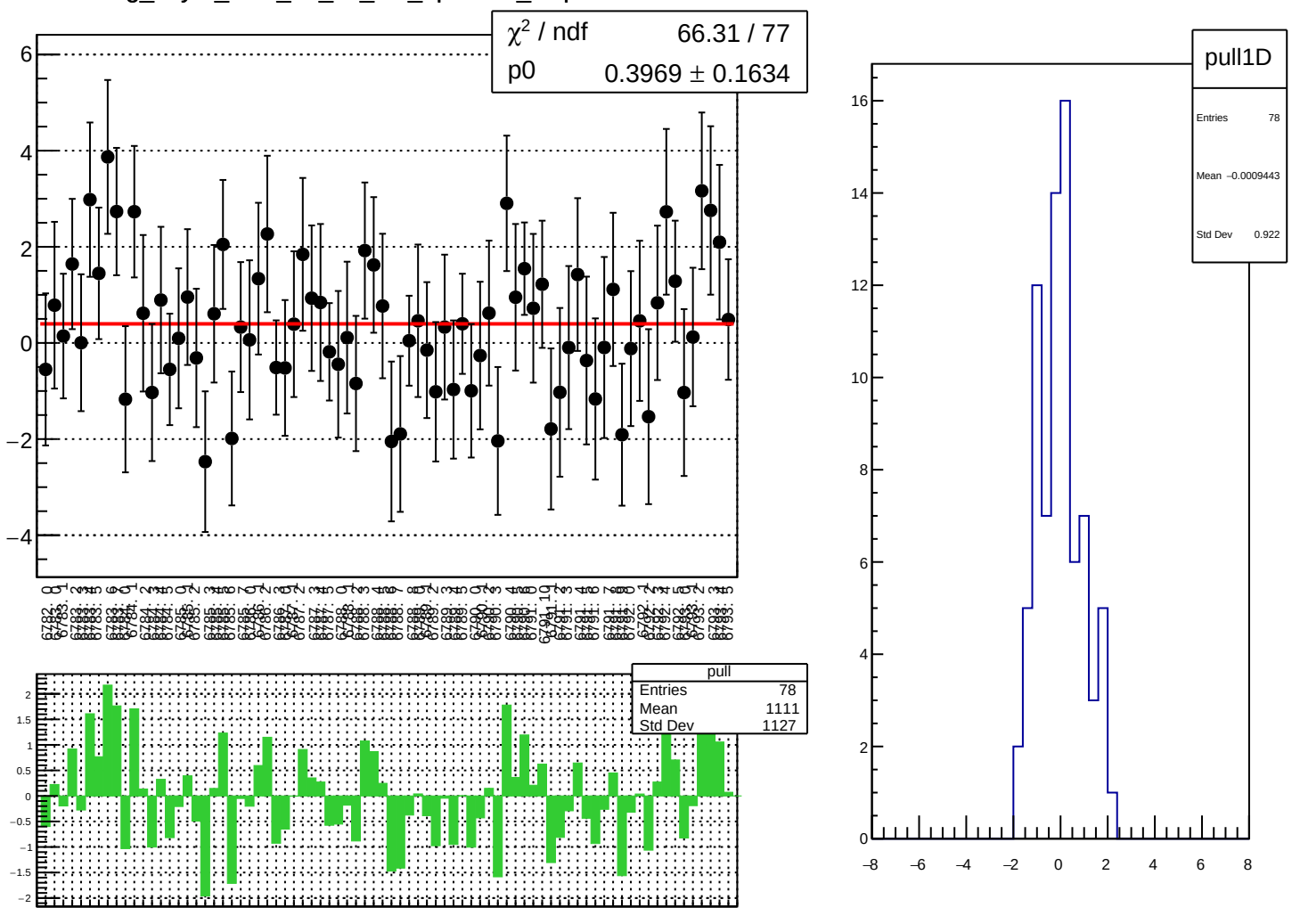

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 65.67 / 77
p0 −1.102 ± 0.2258
pull
Entries 78
Mean 132.7
Std Dev 123.3

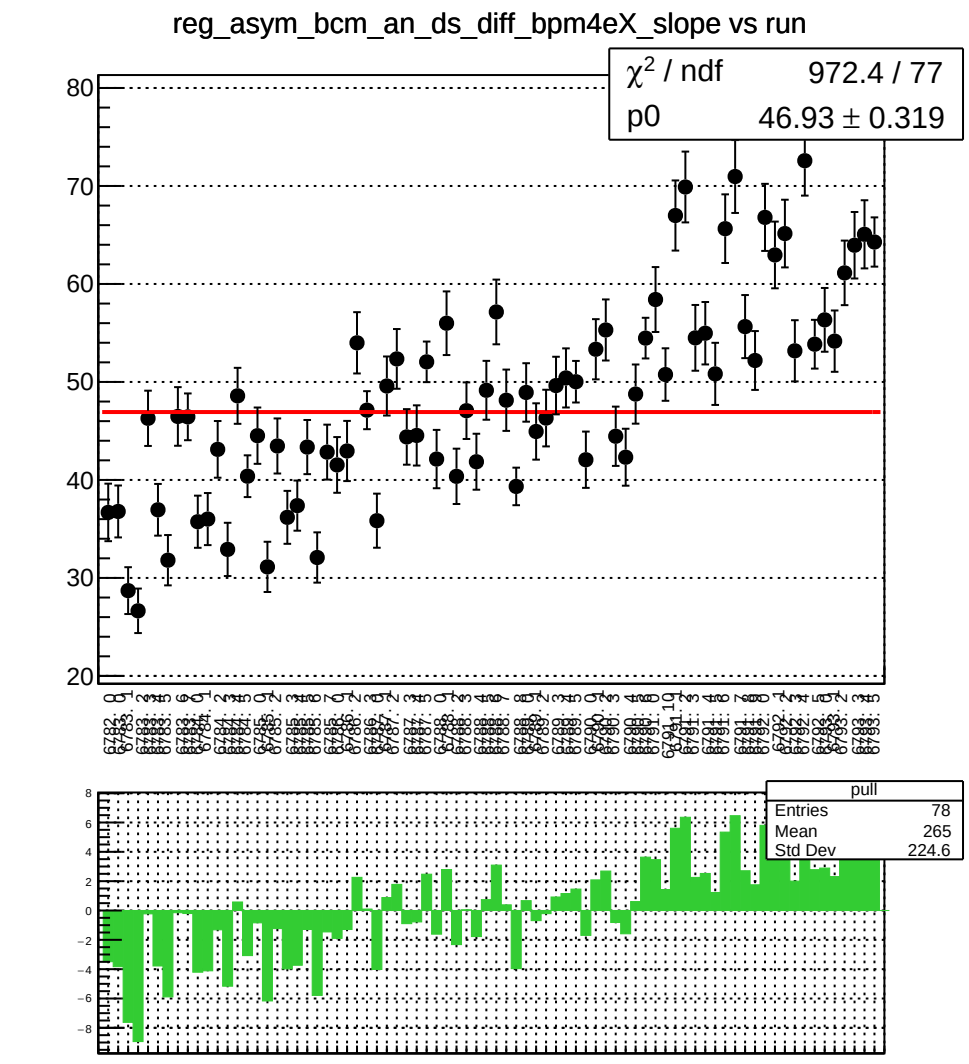

pull1D
Entries 78
Mean −0.005434
Std Dev 0.9176

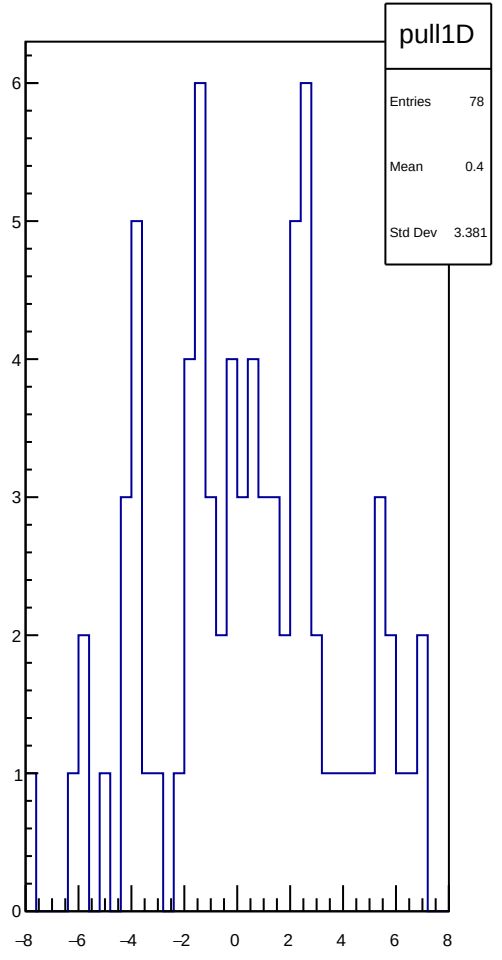

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 79.87 / 77
p0 0.4268 ± 0.01507
pull
Entries 78
Mean 381
Std Dev 342.5
pull1D
Entries 78
Mean 0.03027
Std Dev 1.011

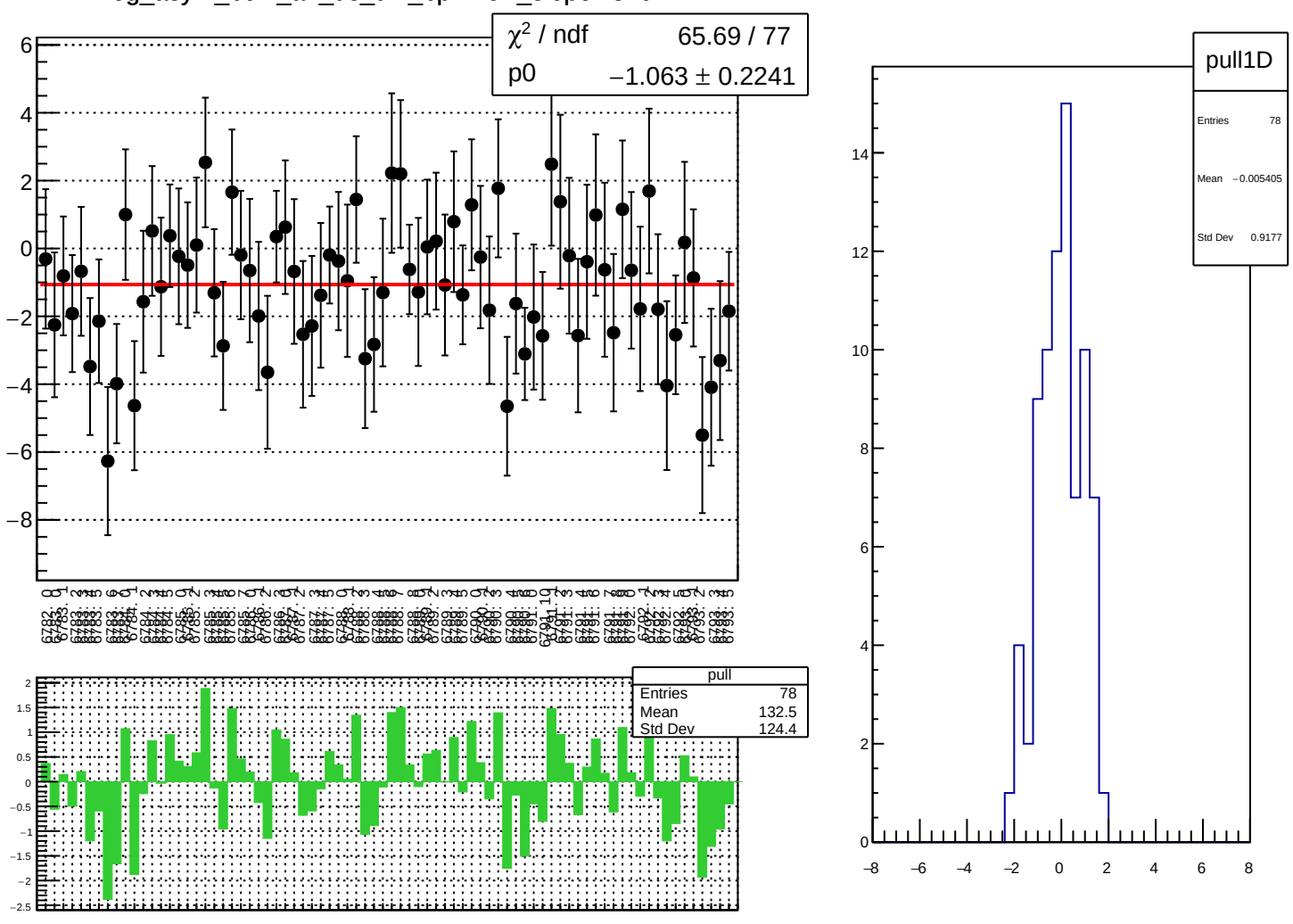

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 965.6 / 77
p0 −50.73 ± 0.3416
pull
Entries 78
Mean 265
Std Dev 224.6

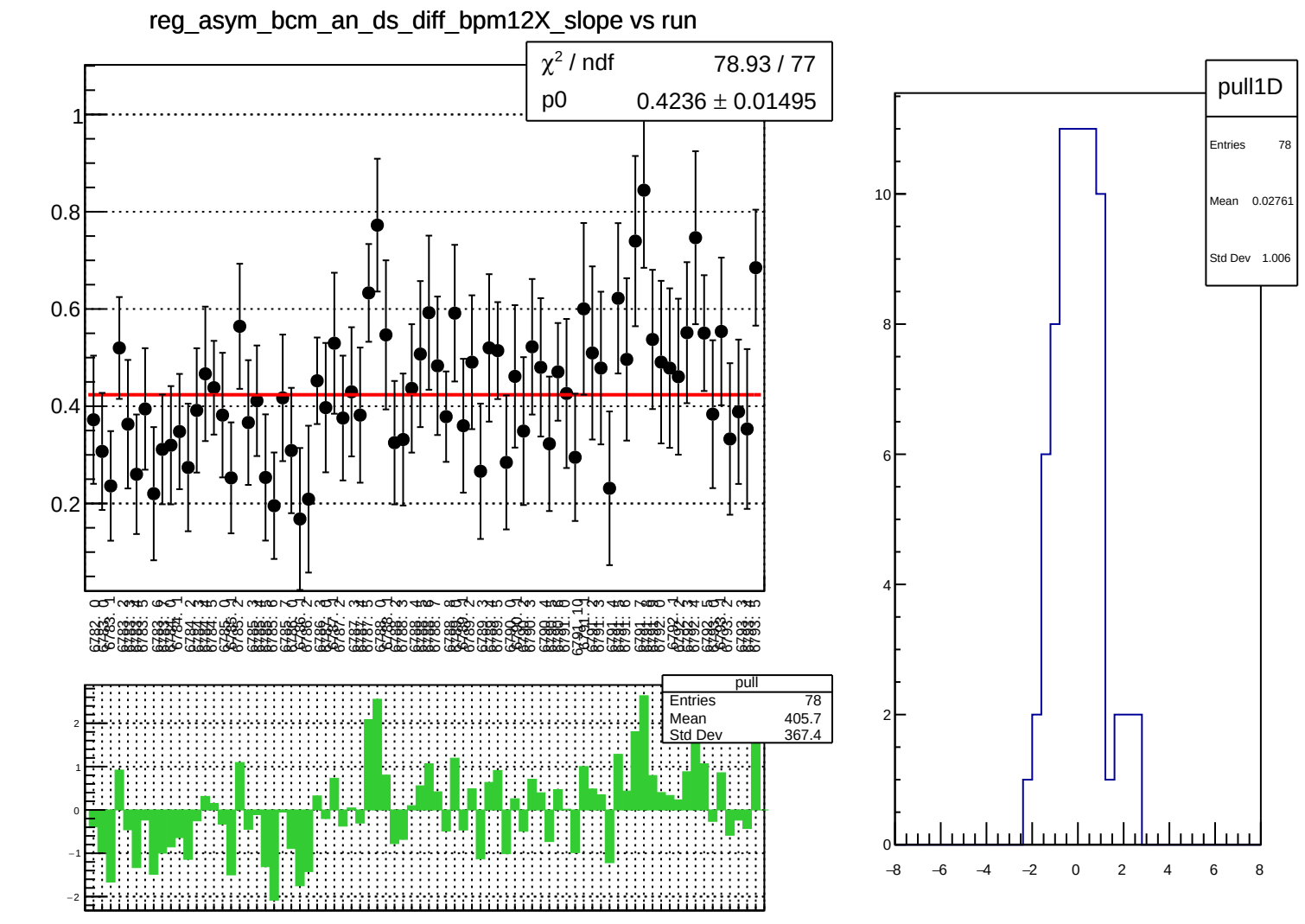

pull1D
Entries 78
Mean −0.3955
Std Dev 3.373

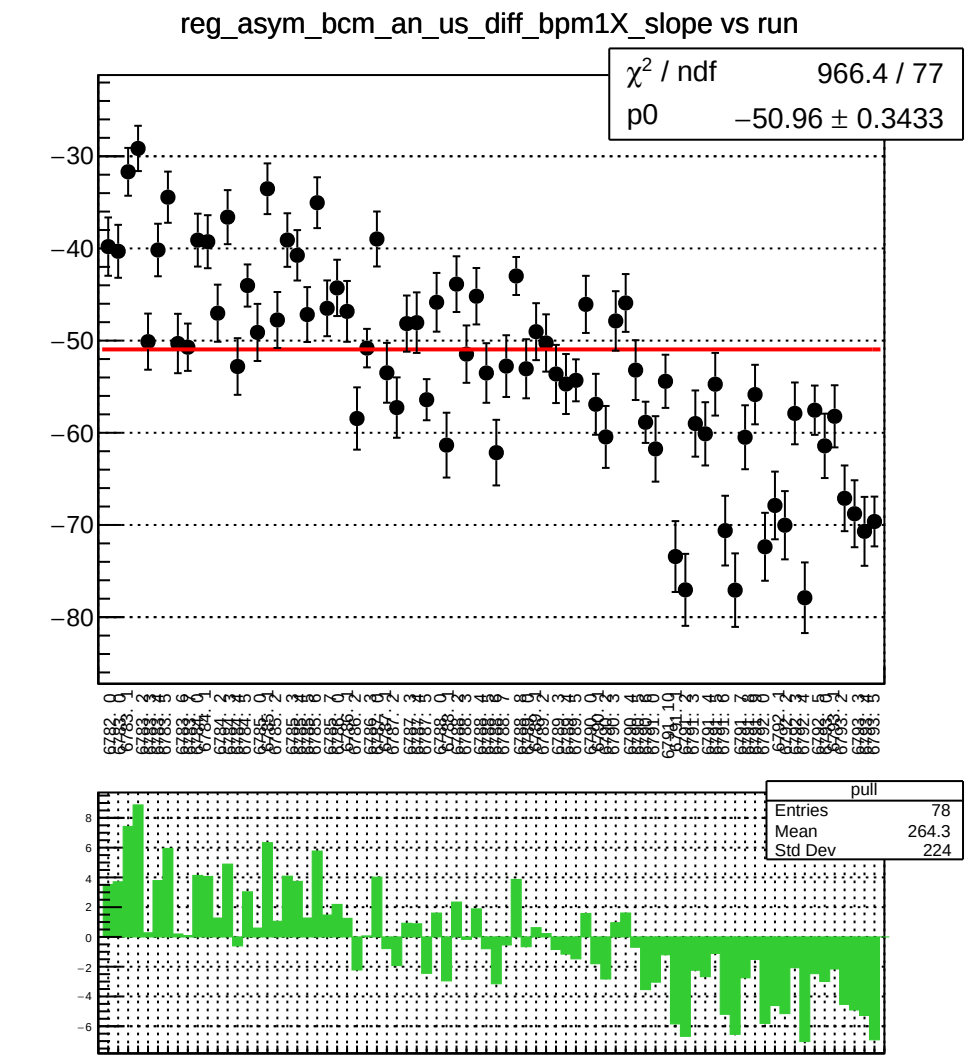

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 66.31 / 77
p0 0.3969 ± 0.1634
pull
Entries 78
Mean 1111
Std Dev 1127
pull1D
Entries 78
Mean −0.0009443
Std Dev 0.922

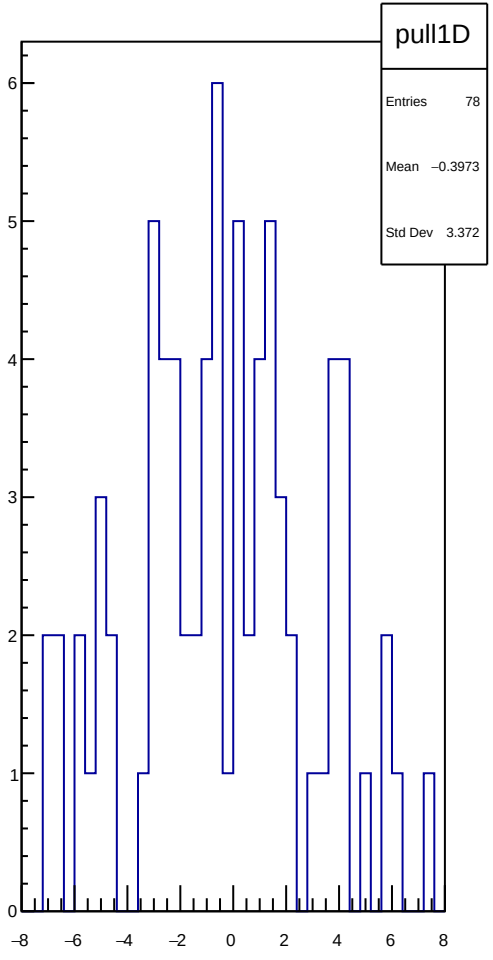

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 972.4 / 77
p0 46.93 ± 0.319
pull
Entries 78
Mean 265
Std Dev 224.6

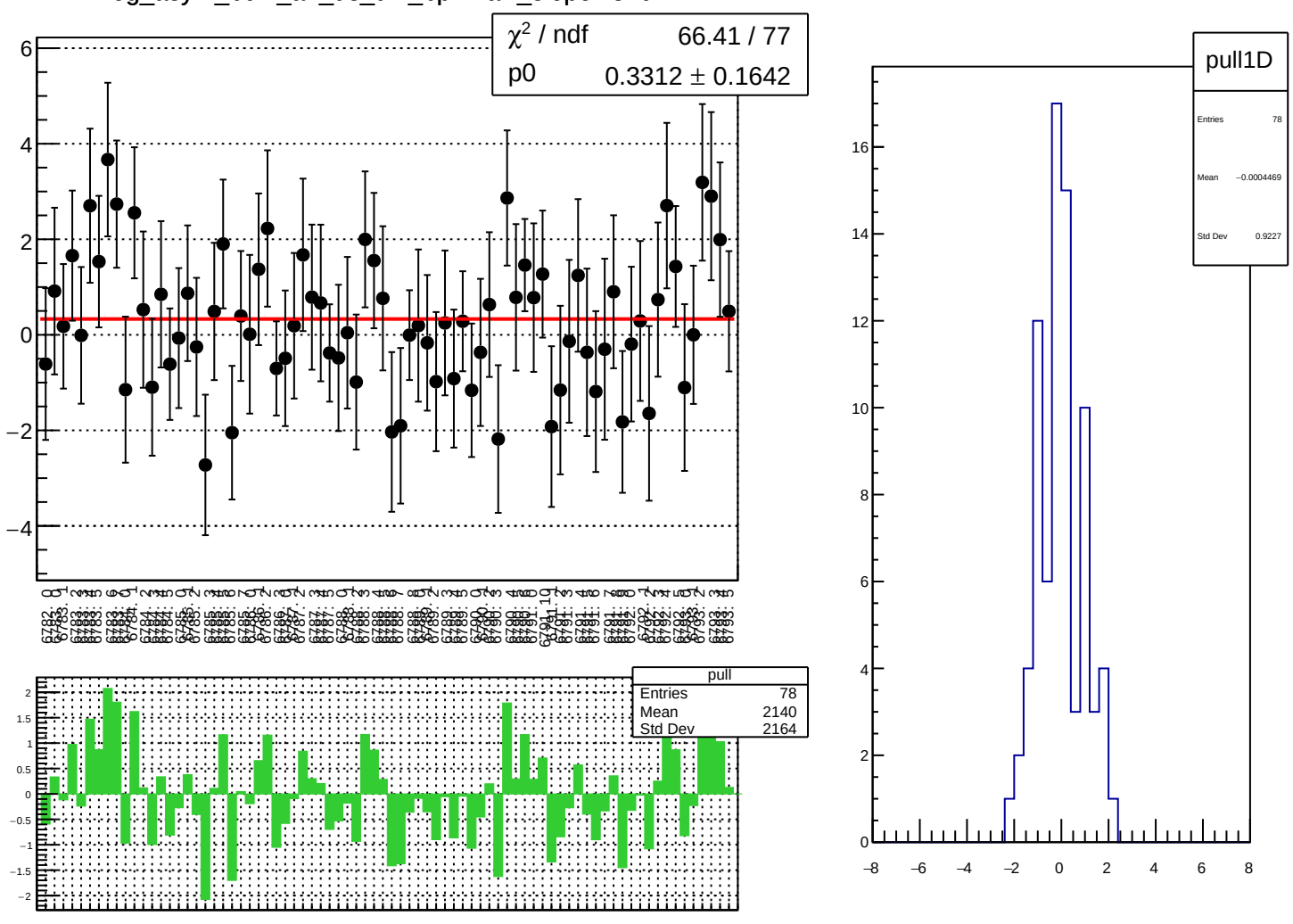

pull1D
Entries 78
Mean 0.4
Std Dev 3.381

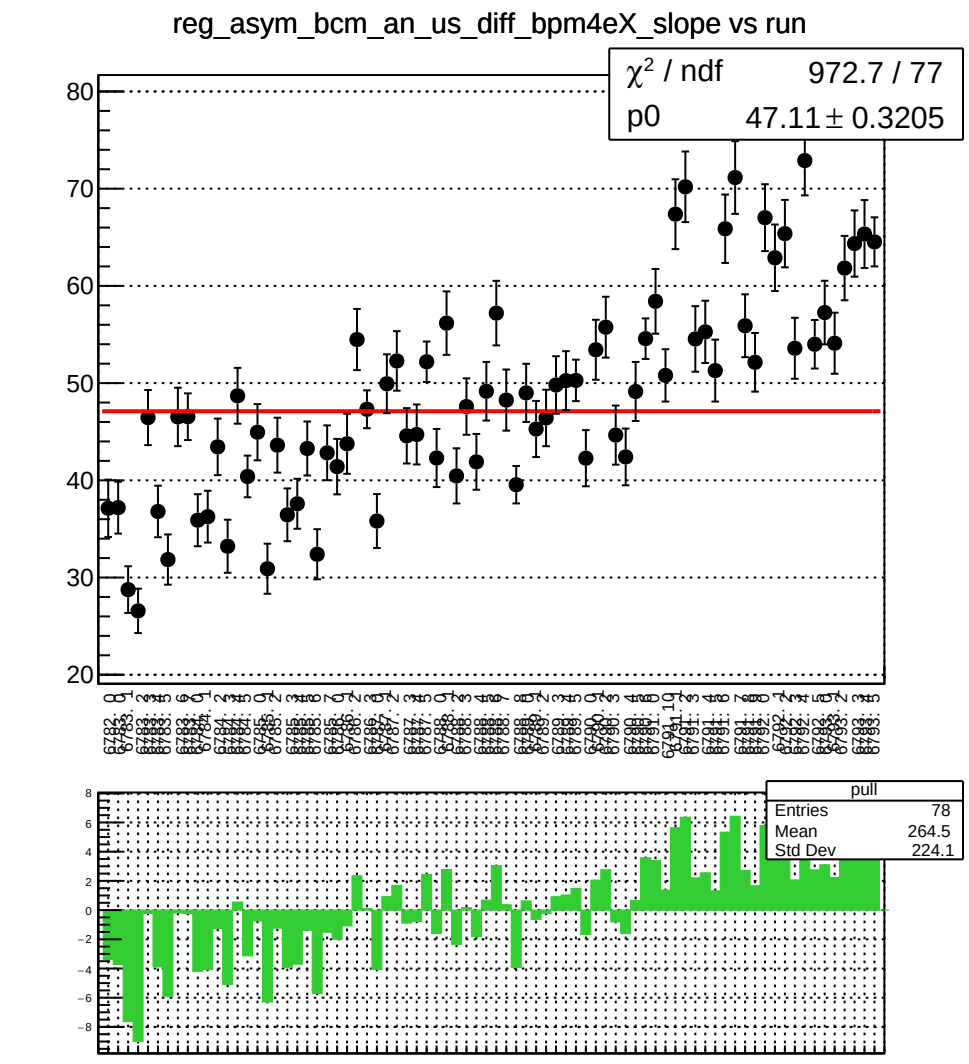

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 65.69 / 77
p0 −1.063 ± 0.2241
pull
Entries 78
Mean 132.5
Std Dev 124.4
pull1D
Entries 78
Mean −0.005405
Std Dev 0.9177

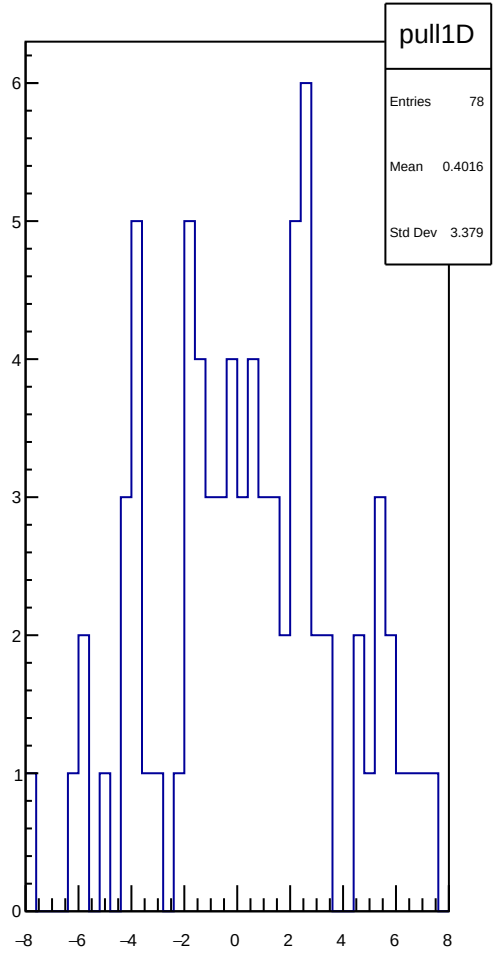

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 78.93 / 77
p0 0.4236 ± 0.01495
pull
Entries 78
Mean 405.7
Std Dev 367.4
pull1D
Entries 78
Mean 0.02761
Std Dev 1.006

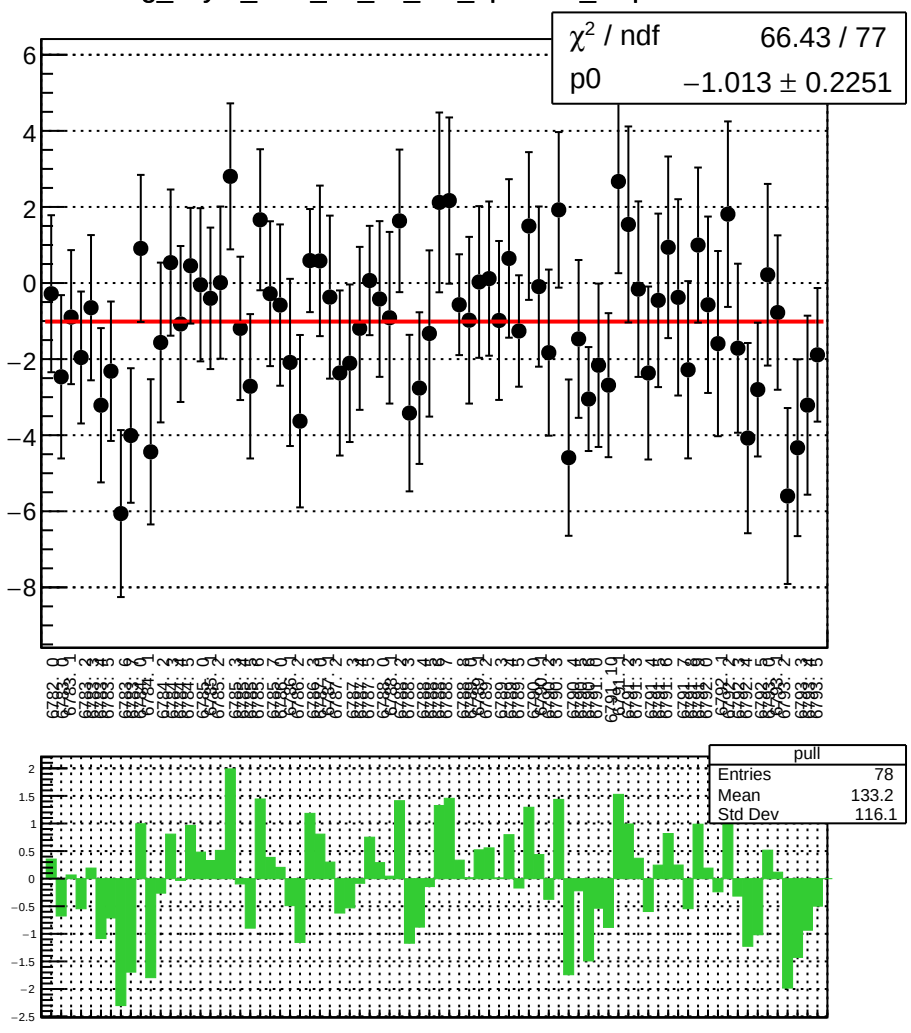

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 966.4 / 77
p0 −50.96 ± 0.3433
pull
Entries 78
Mean 264.3
Std Dev 224

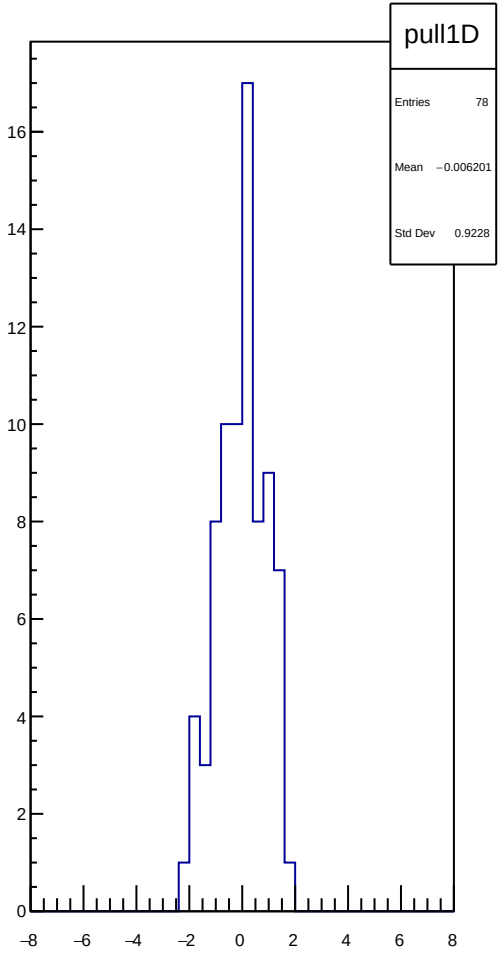

pull1D
Entries 78
Mean −0.3973
Std Dev 3.372

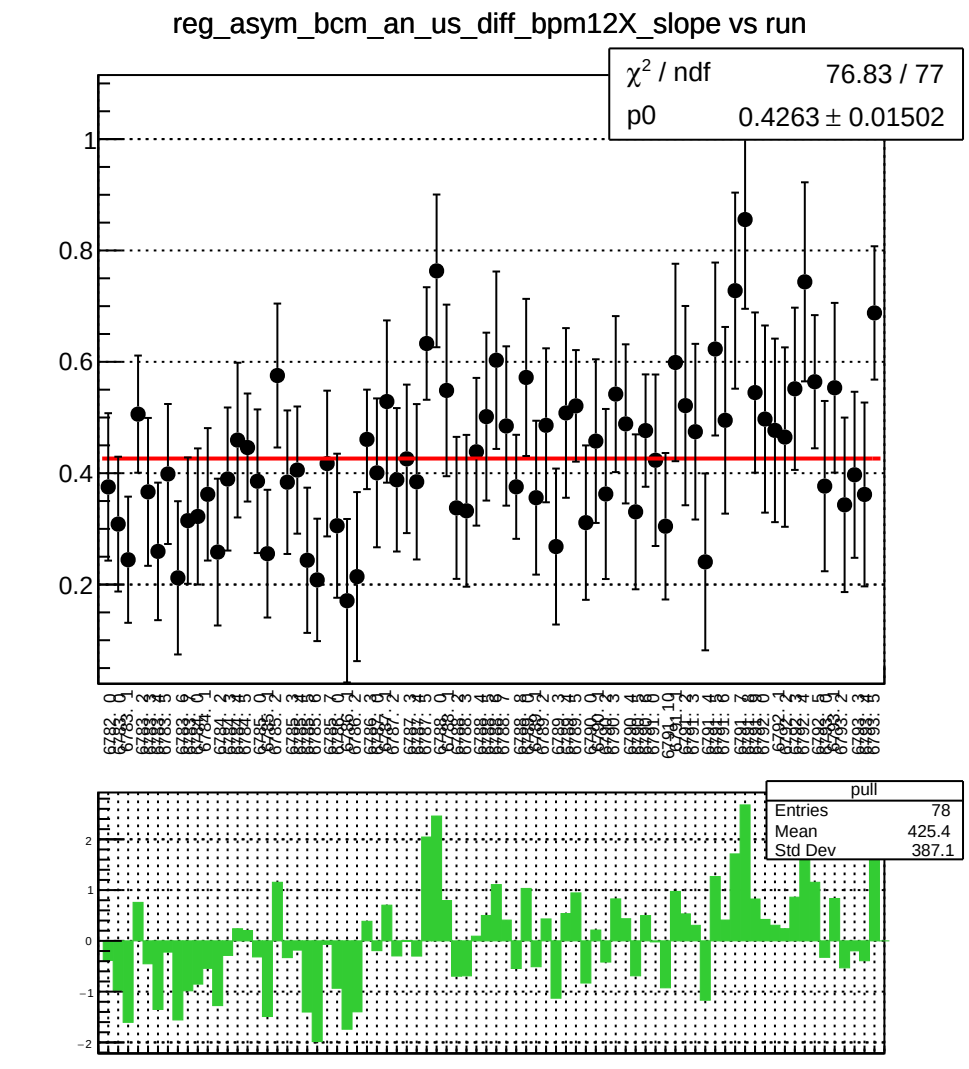

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 66.41 / 77
p0 0.3312 ± 0.1642
pull
Entries 78
Mean 2140
Std Dev 2164
pull1D
Entries 78
Mean −0.0004469
Std Dev 0.9227

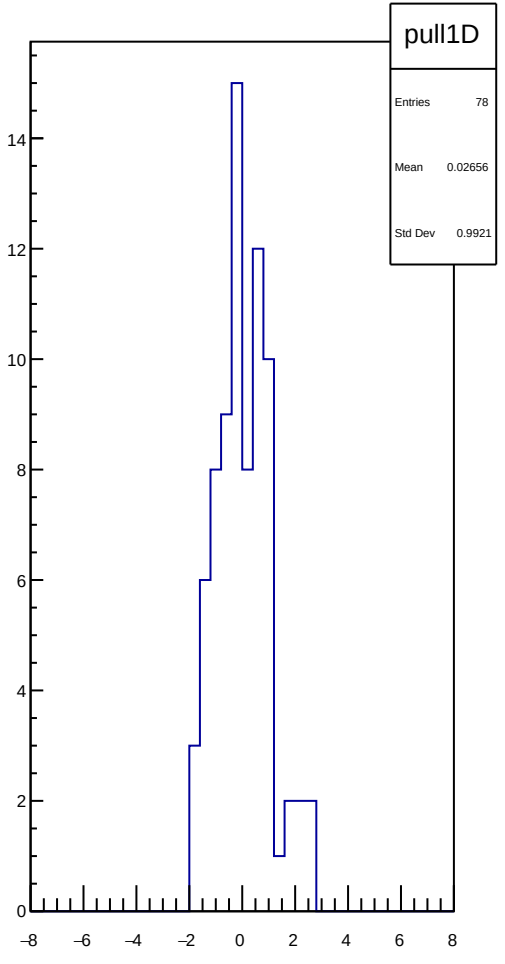

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 972.7 / 77
p0 47.11 ± 0.3205
pull
Entries 78
Mean 264.5
Std Dev 224.1

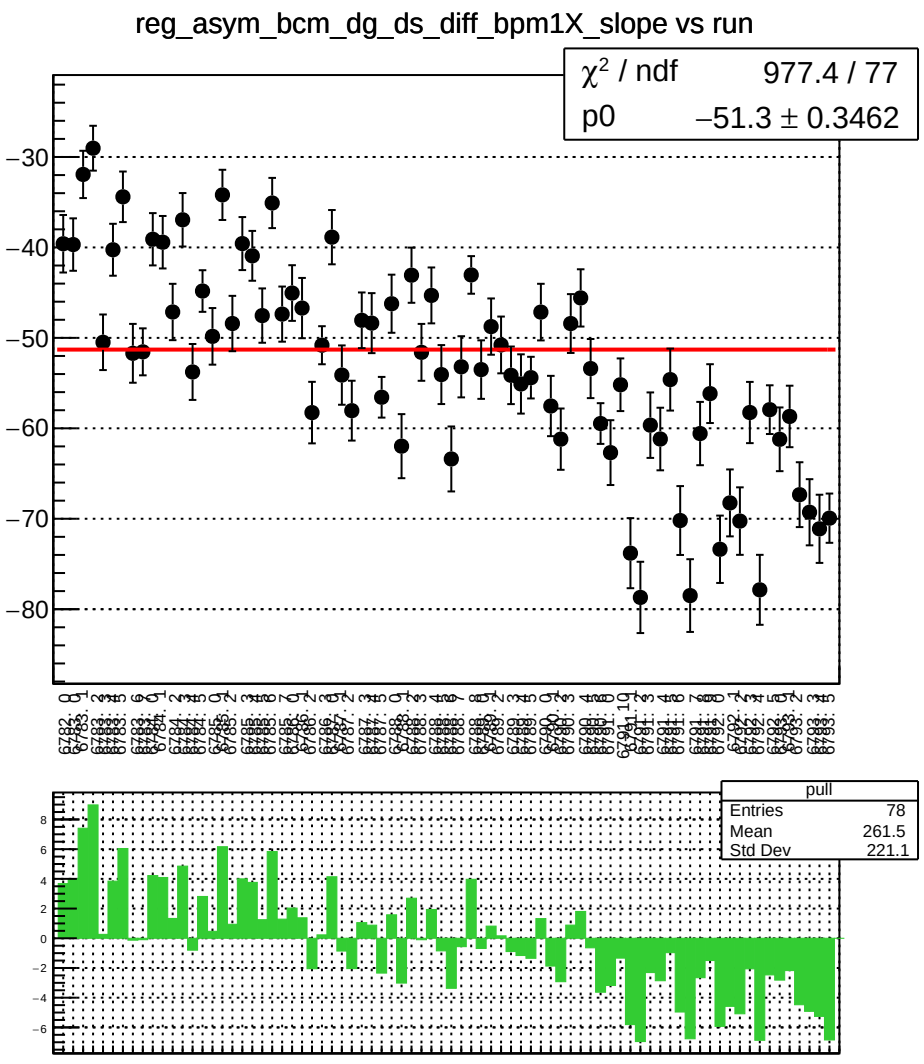

pull1D
Entries 78
Mean 0.4016
Std Dev 3.379

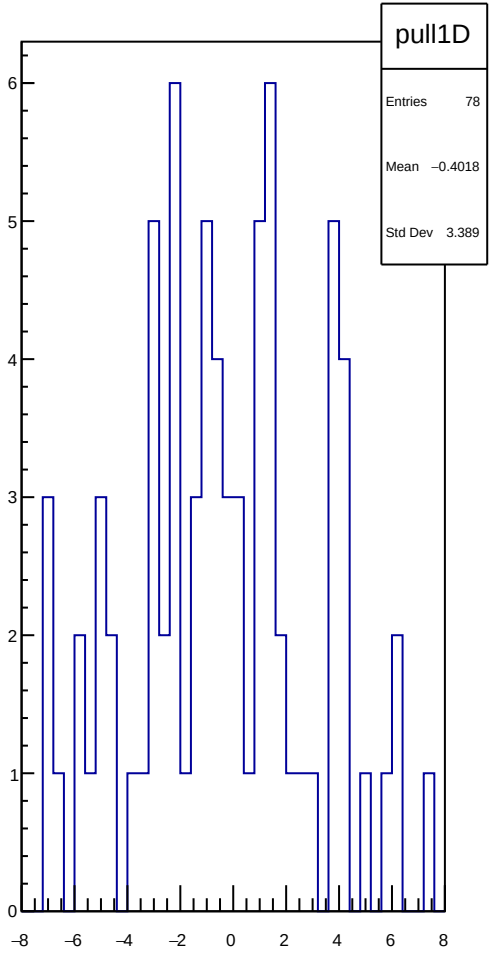

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 66.43 / 77
p0 −1.013 ± 0.2251
pull
Entries 78
Mean 133.2
Std Dev 116.1

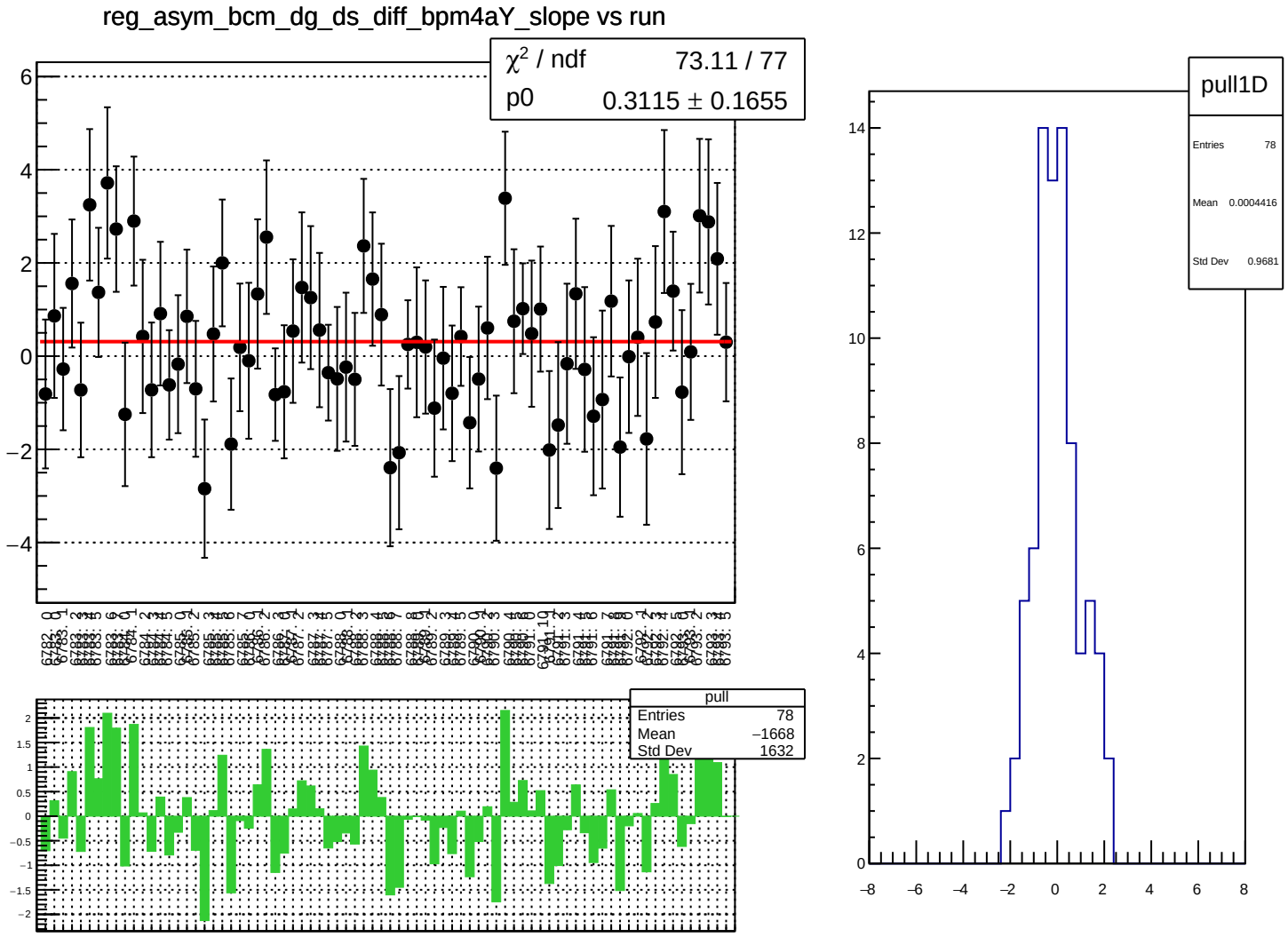

pull1D
Entries 78
Mean −0.006201
Std Dev 0.9228

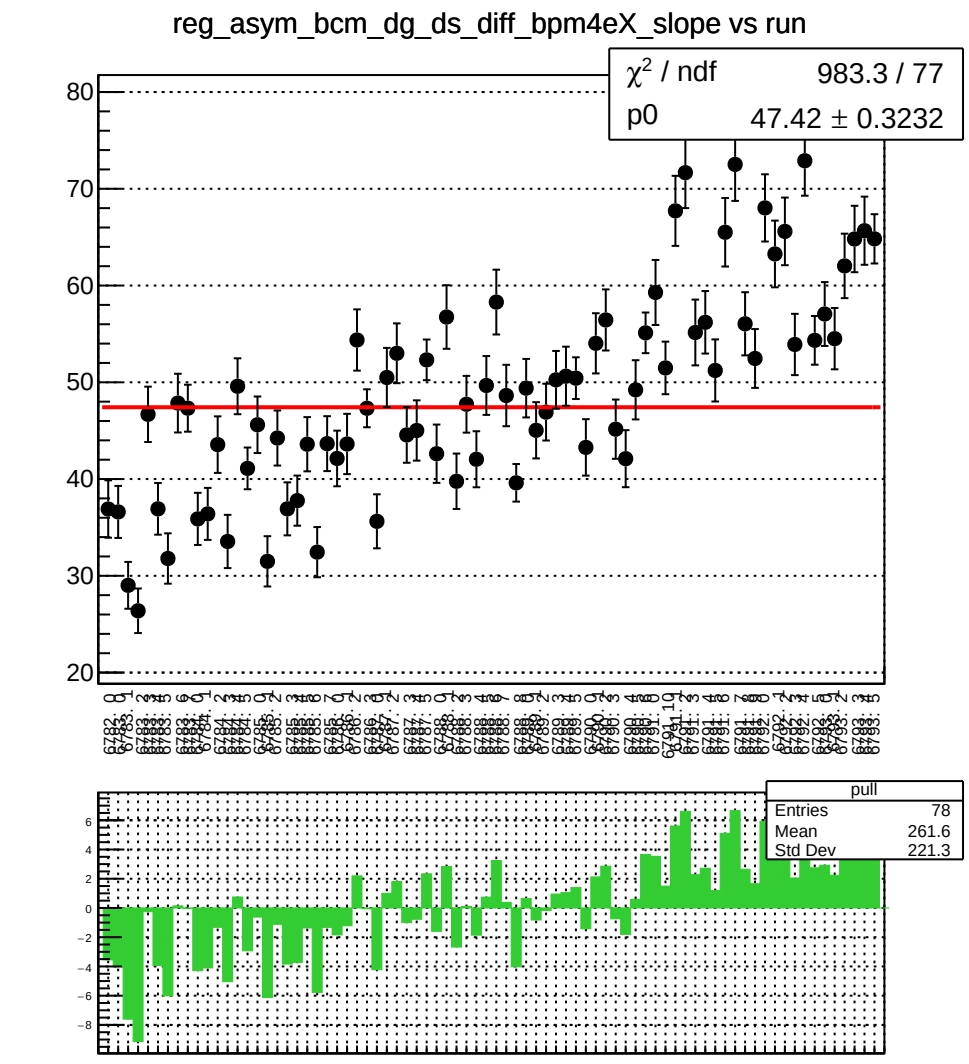

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 76.83 / 77
p0 0.4263 ± 0.01502
pull
Entries 78
Mean 425.4
Std Dev 387.1

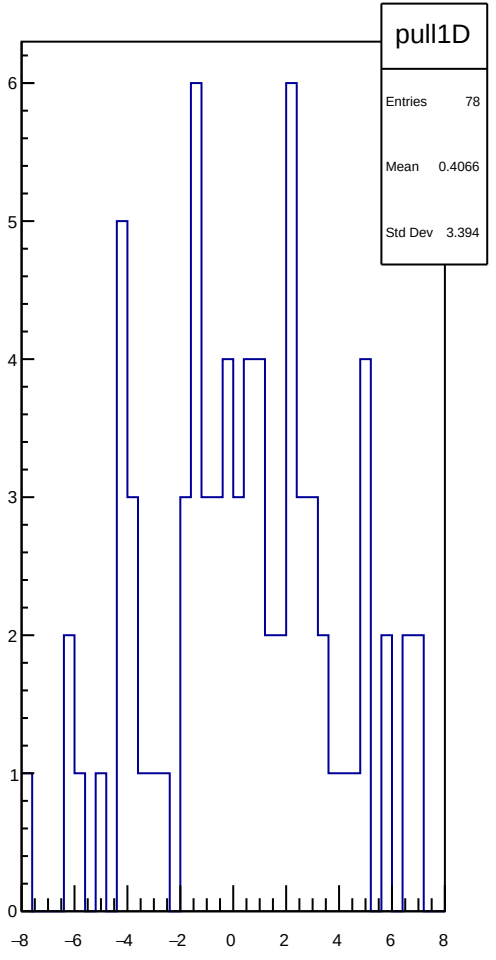

pull1D
Entries 78
Mean 0.02656
Std Dev 0.9921

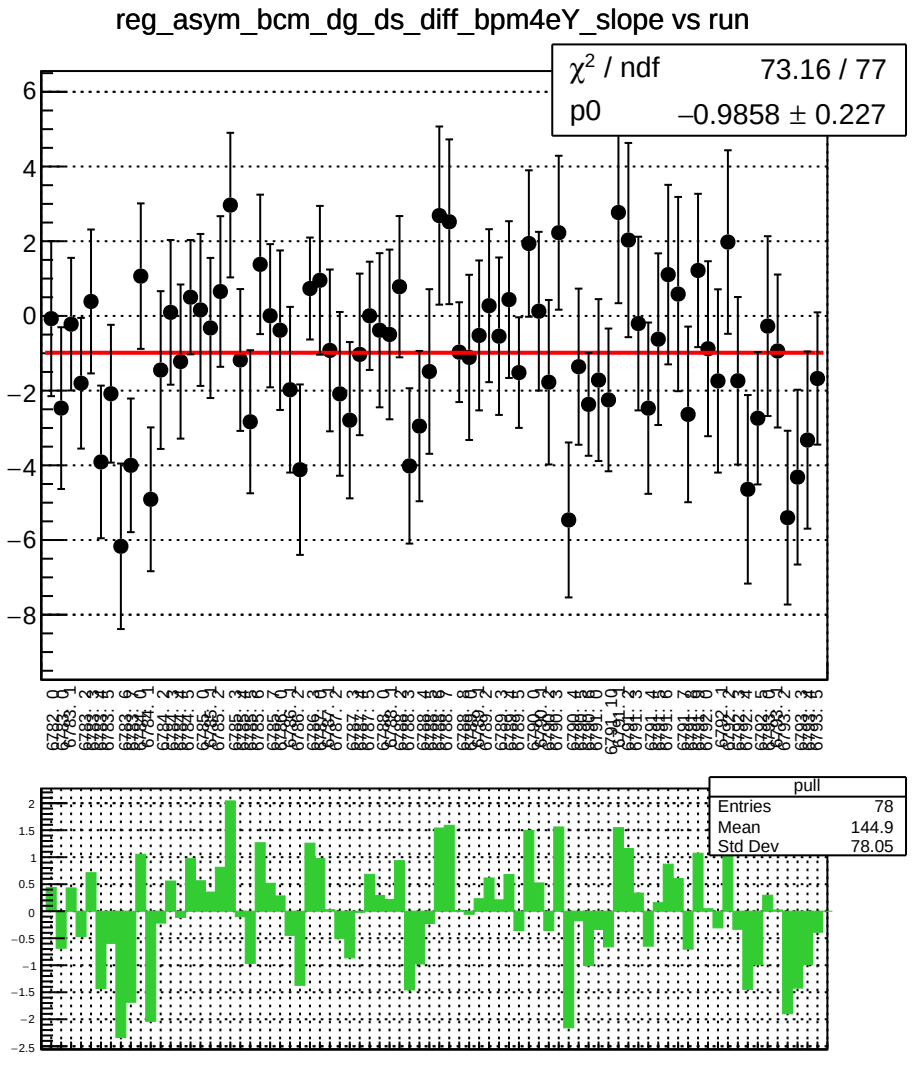

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 977.4 / 77
p0 −51.3 ± 0.3462
pull
Entries 78
Mean 261.5
Std Dev 221.1

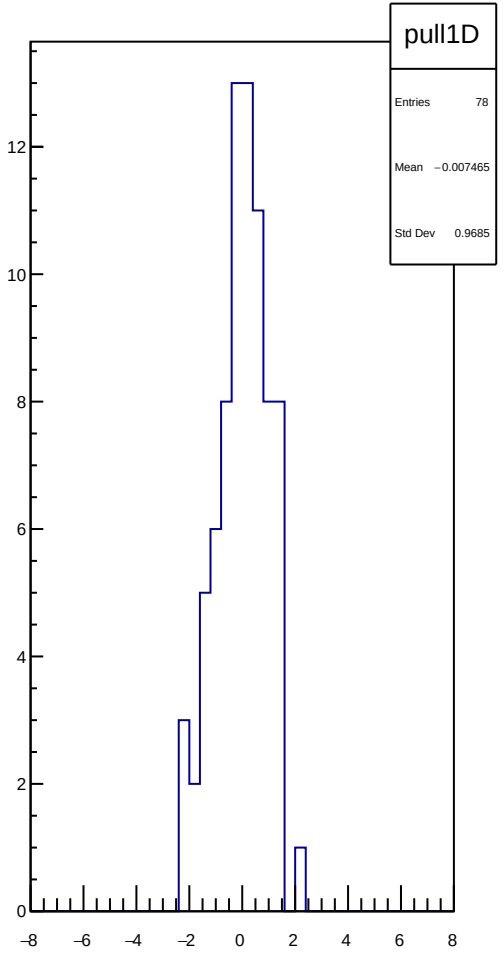

pull1D
Entries 78
Mean −0.4018
Std Dev 3.389

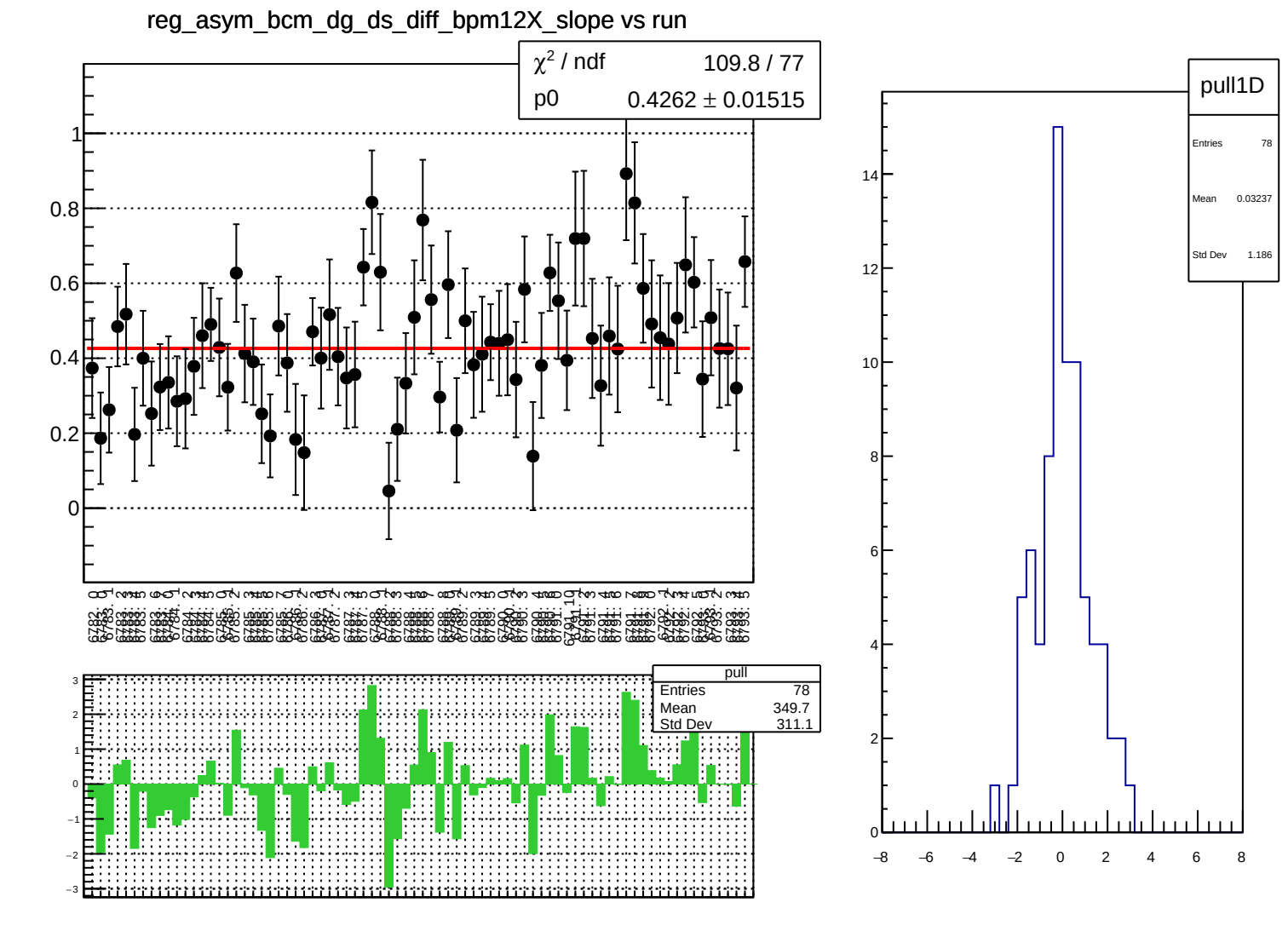

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 73.11 / 77
p0 0.3115 ± 0.1655
pull
Entries 78
Mean −1668
Std Dev 1632
pull1D
Entries 78
Mean 0.0004416
Std Dev 0.9681

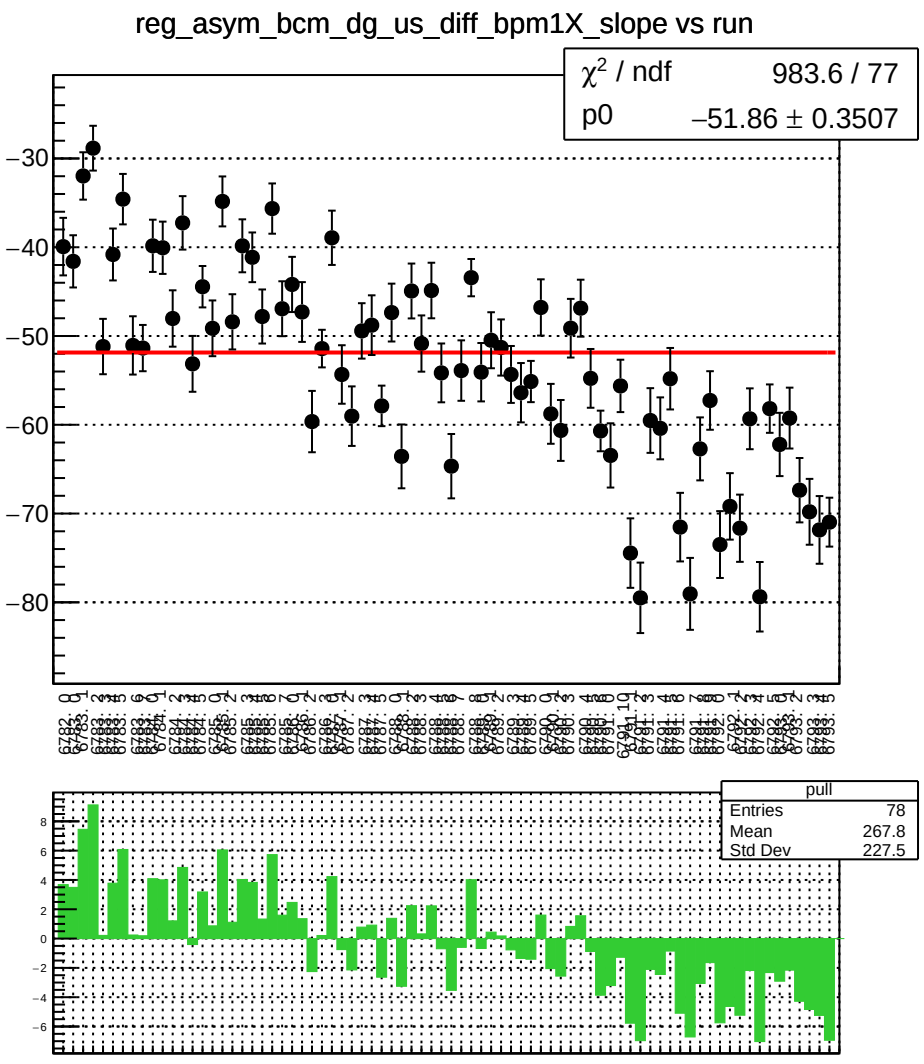

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 983.3 / 77
p0 47.42 ± 0.3232
pull
Entries 78
Mean 261.6
Std Dev 221.3

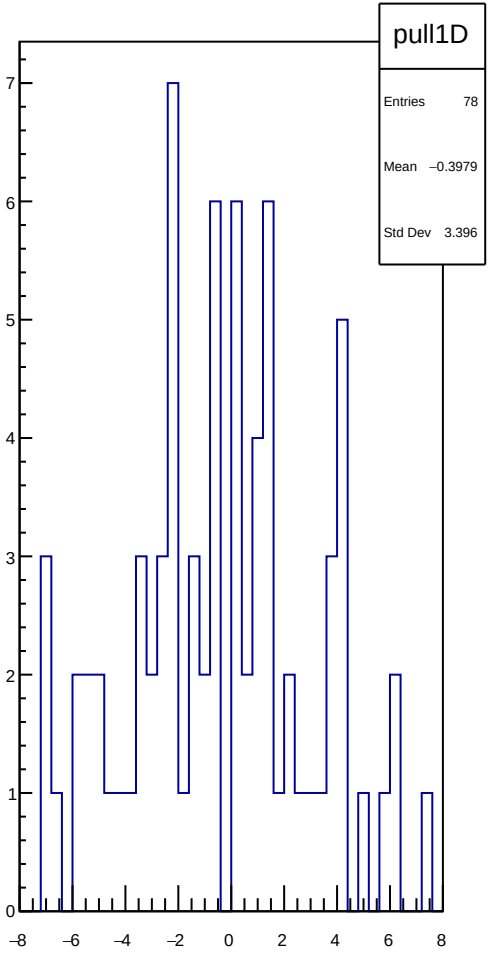

pull1D
Entries 78
Mean 0.4066
Std Dev 3.394

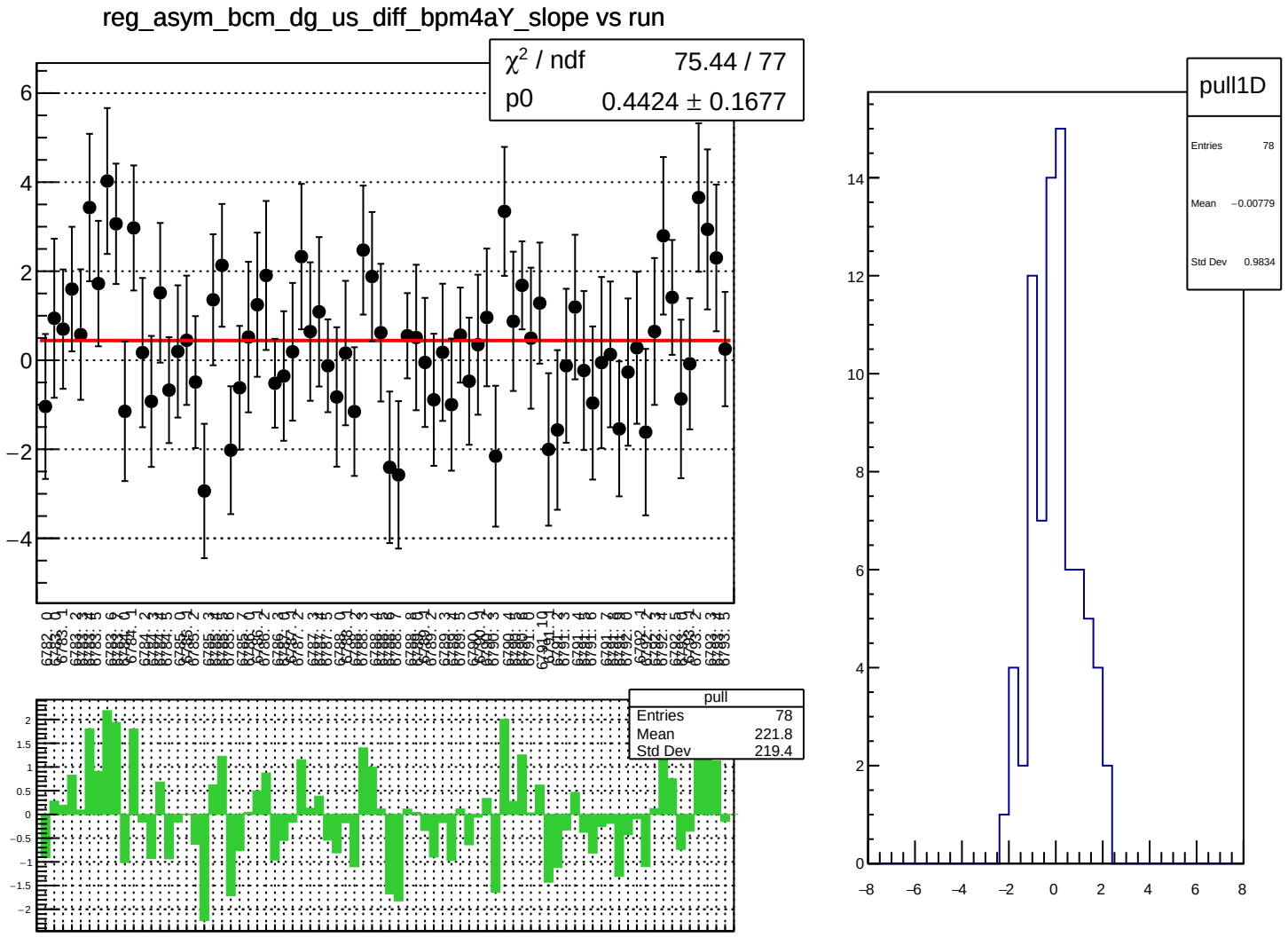

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 73.16 / 77
p0 −0.9858 ± 0.227
pull
Entries 78
Mean 144.9
Std Dev 78.05

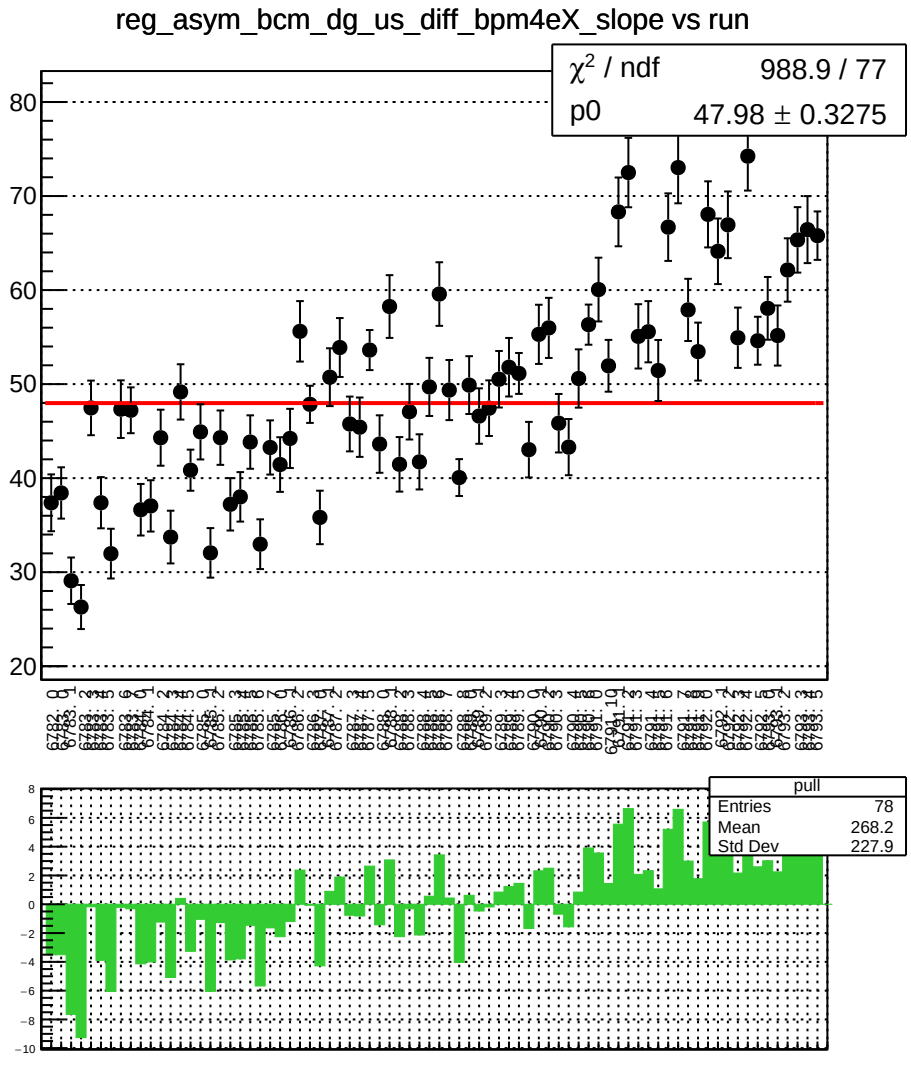

pull1D
Entries 78
Mean −0.007465
Std Dev 0.9685

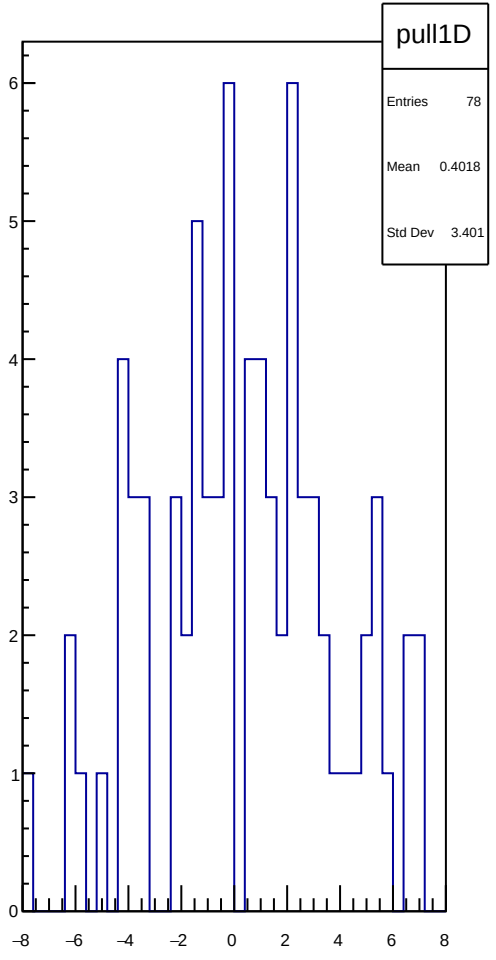

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 109.8 / 77
p0 0.4262 ± 0.01515
pull
Entries 78
Mean 349.7
Std Dev 311.1
pull1D
Entries 78
Mean 0.03237
Std Dev 1.186

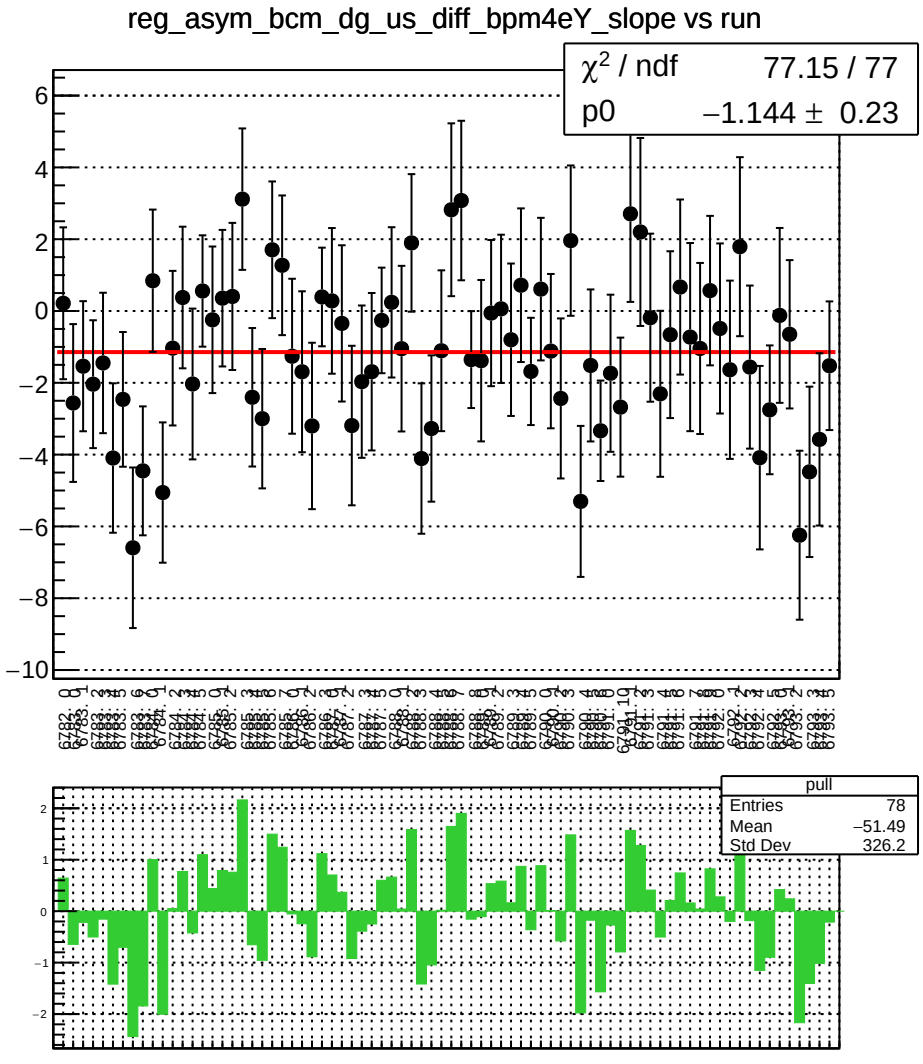

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 983.6 / 77
p0 −51.86 ± 0.3507
−30
−40
−50
−60
−70
−80
pull
Entries 78
Mean 267.8
Std Dev 227.5
8
6
4
2
0
−2
−4
−6

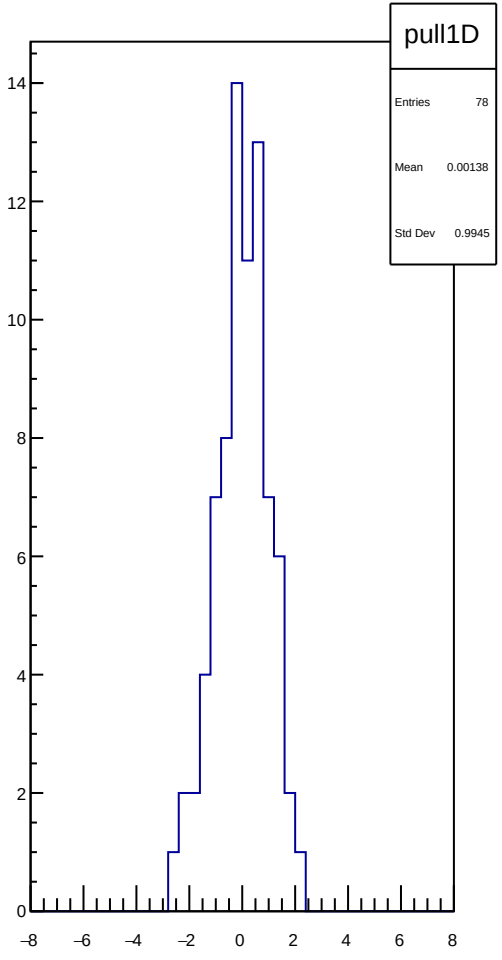

pull1D
Entries 78
Mean −0.3979
Std Dev 3.396
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

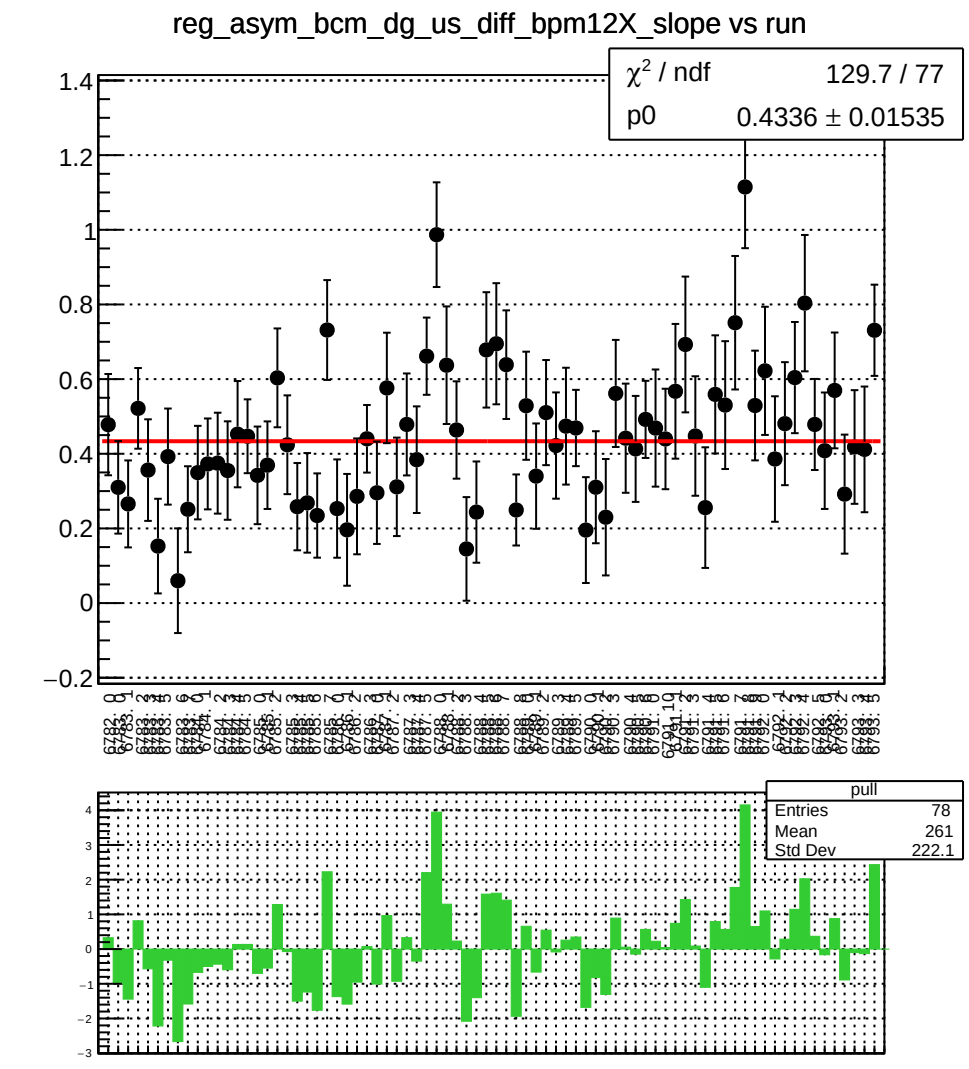

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 75.44 / 77
p0 0.4424 ± 0.1677
pull
Entries 78
Mean 221.8
Std Dev 219.4
pull1D
Entries 78
Mean −0.00779
Std Dev 0.9834

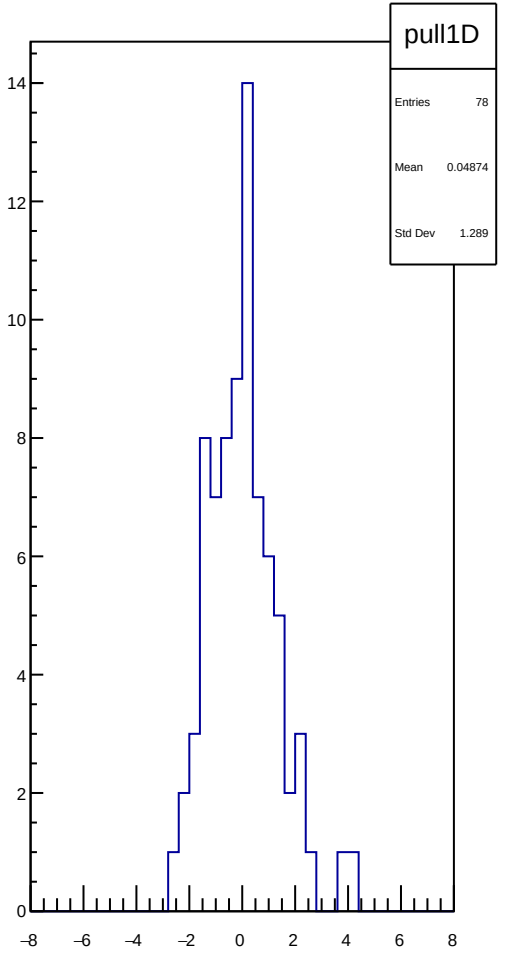

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 988.9 / 77
p0 47.98 ± 0.3275
pull
Entries 78
Mean 268.2
Std Dev 227.9


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