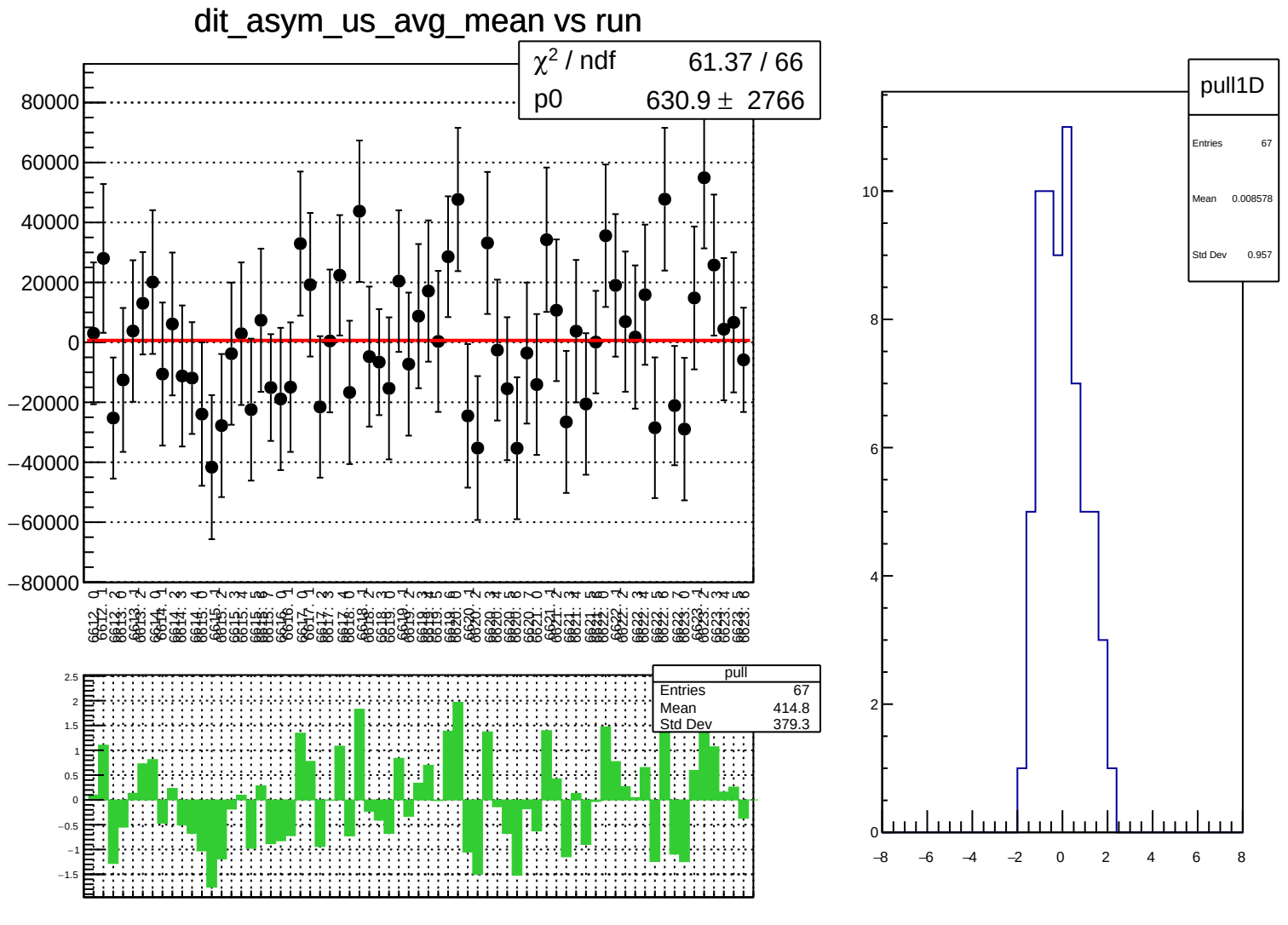
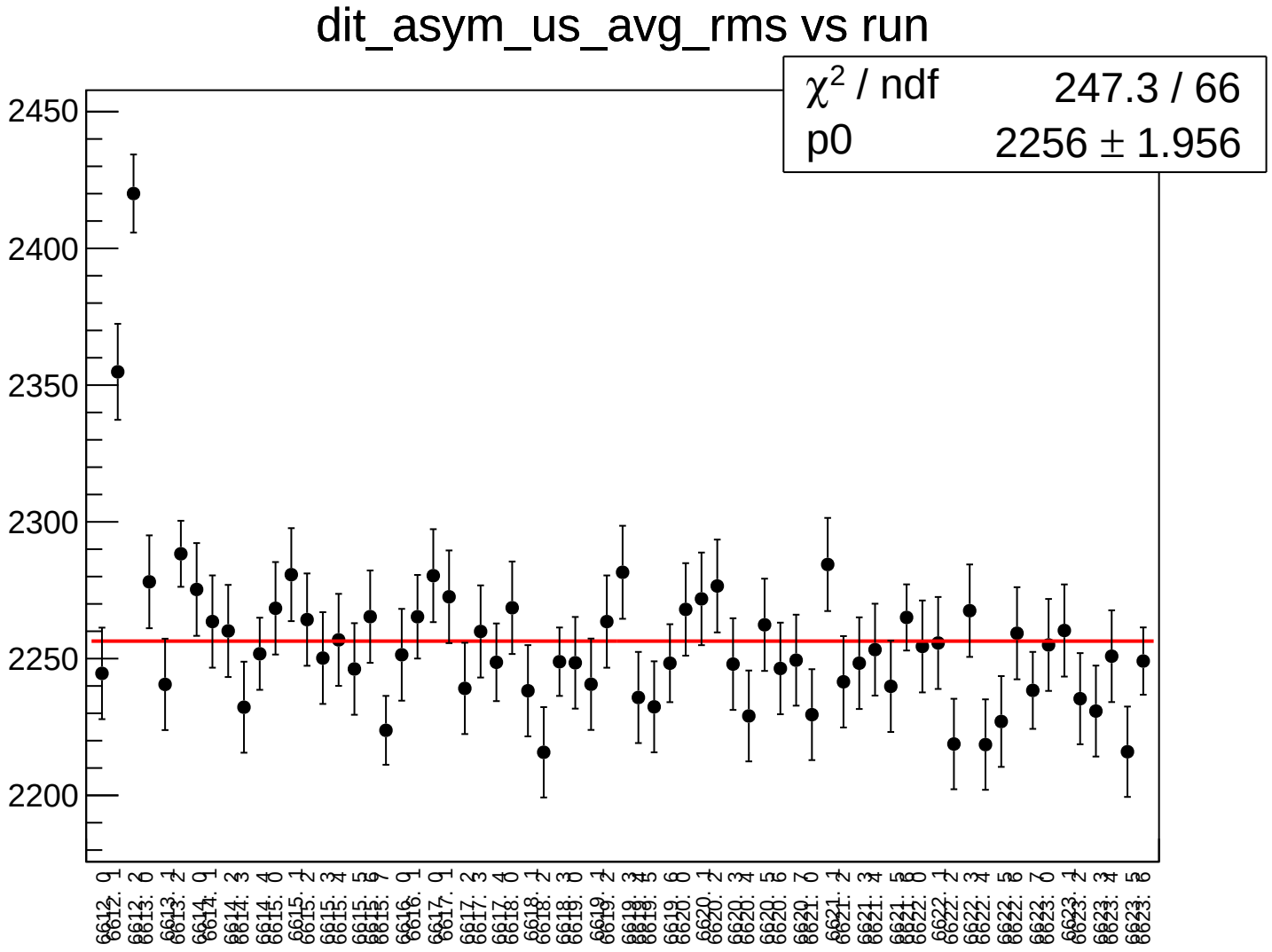
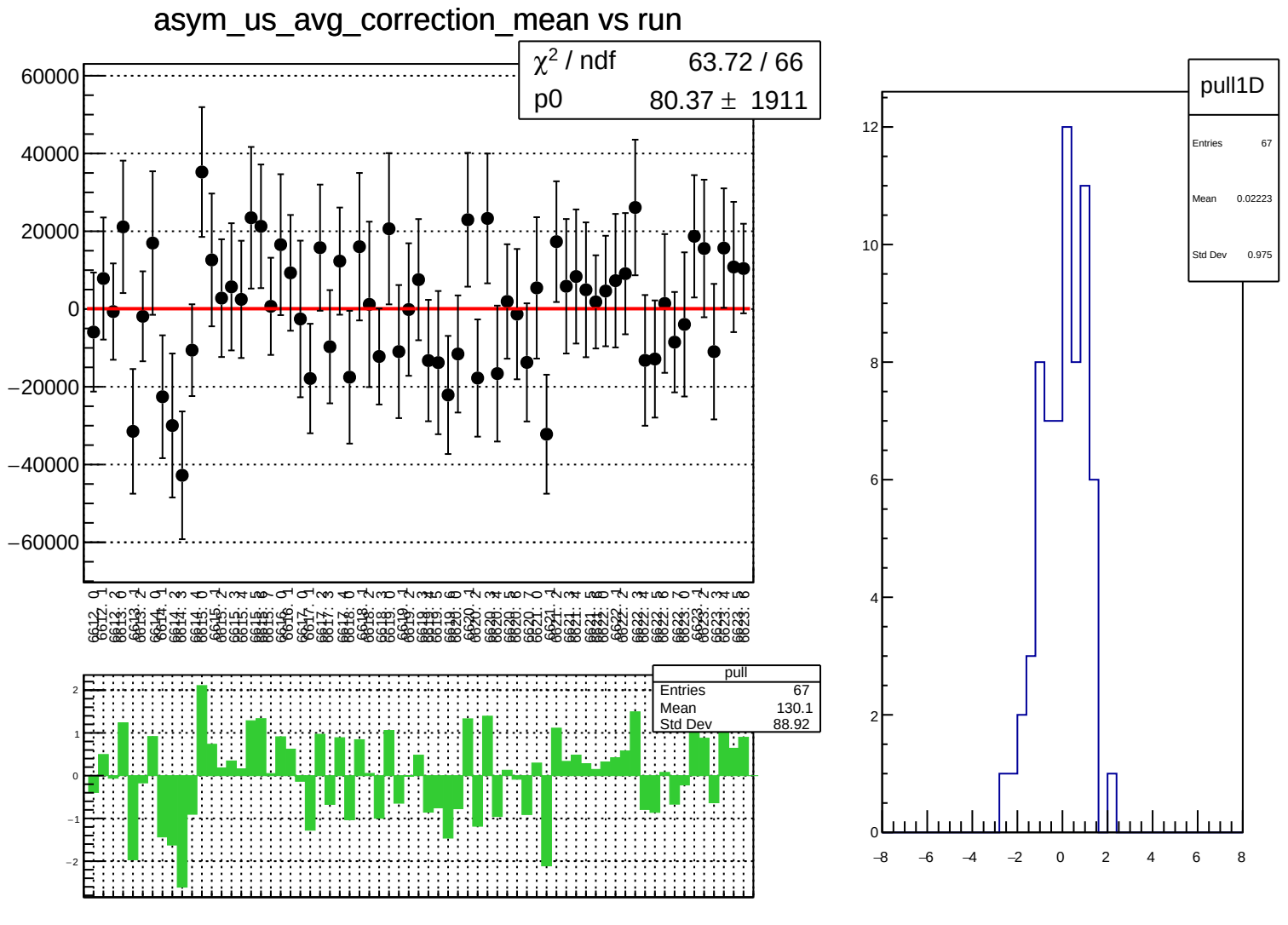
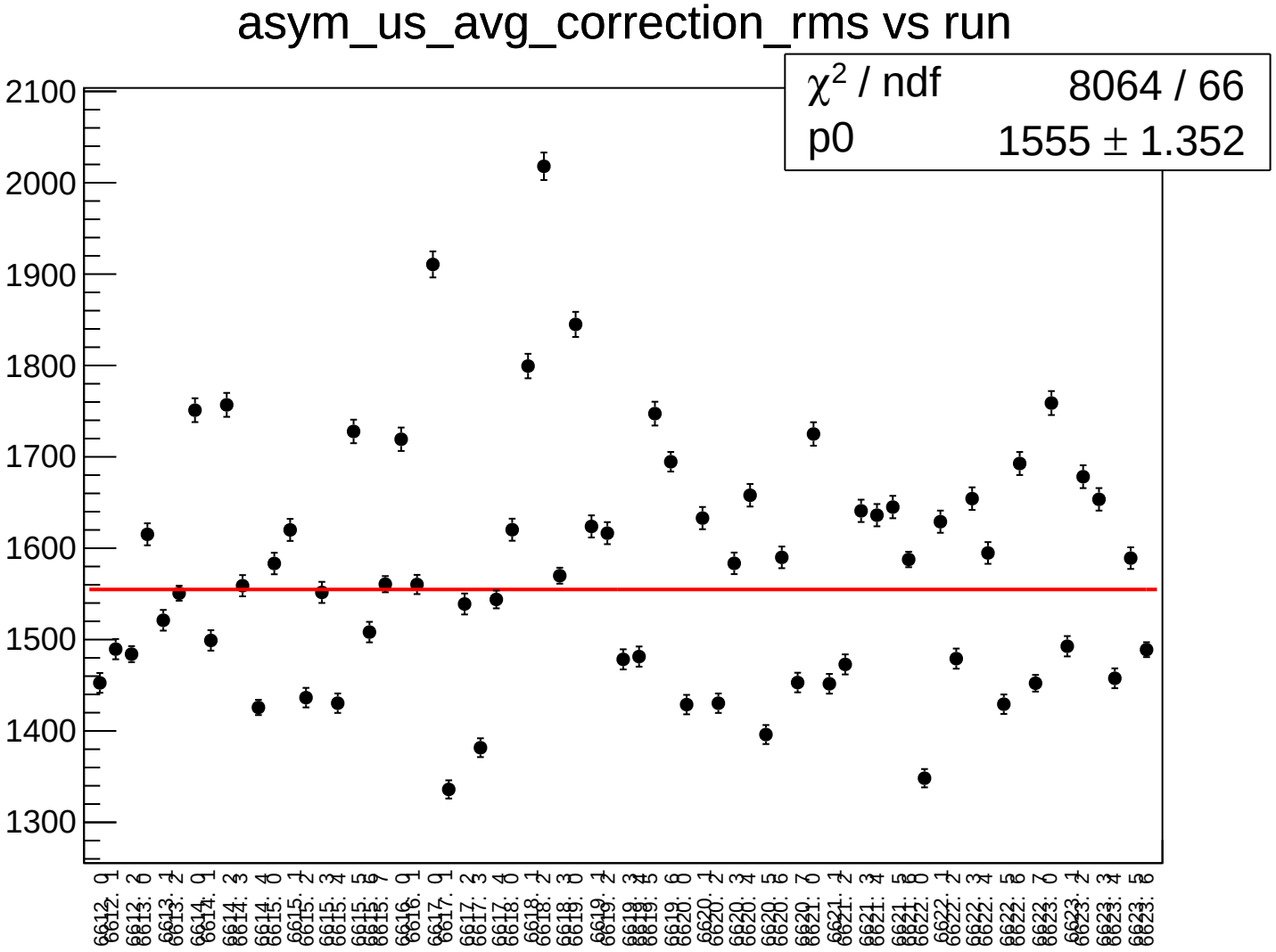
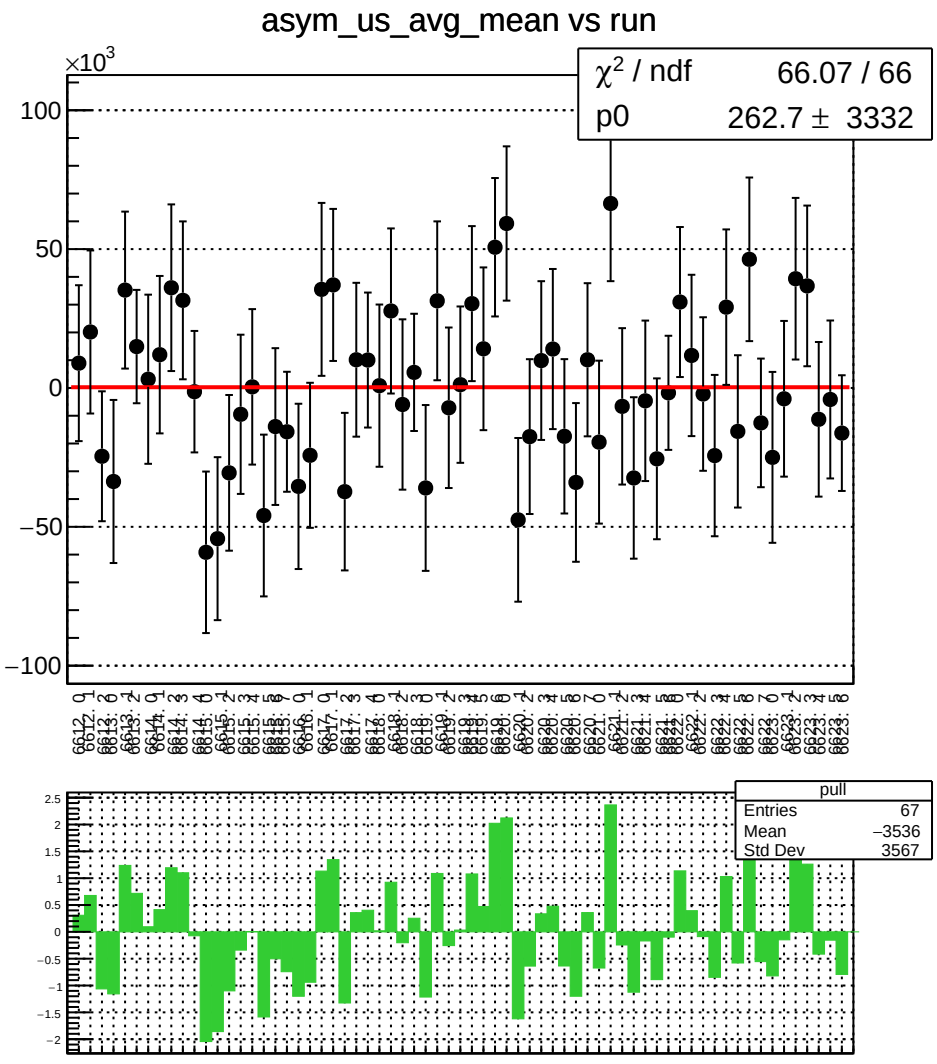
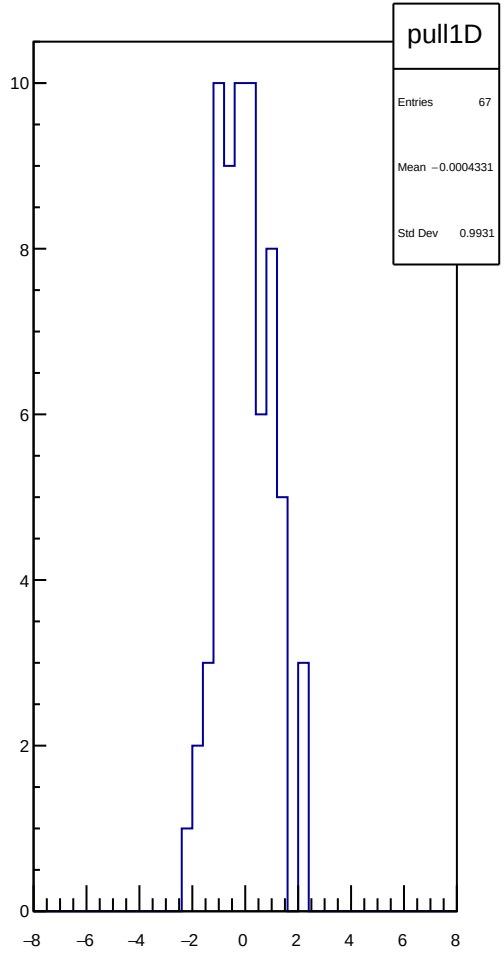

dit_asym_us_avg_mean vs run
χ² / ndf 61.37 / 66
p0 630.9 ± 2766
pull
Entries 67
Mean 414.8
Std Dev 379.3
pull1D
Entries 67
Mean 0.008578
Std Dev 0.957

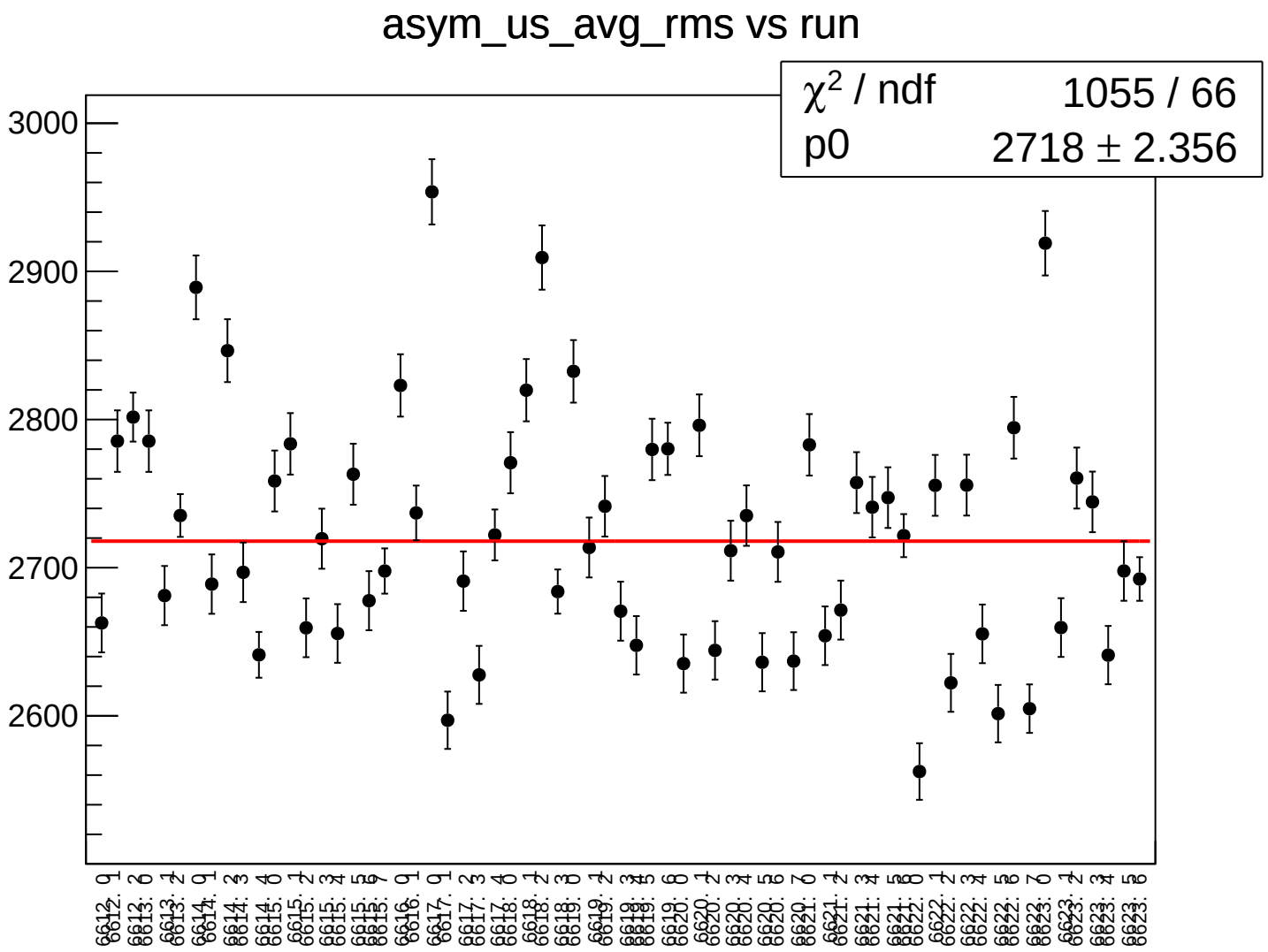

dit_asym_us_avg_rms vs run
χ^2 / ndf 247.3 / 66
p0 2256 ± 1.956
2450
2400
2350
2300
2250
2200

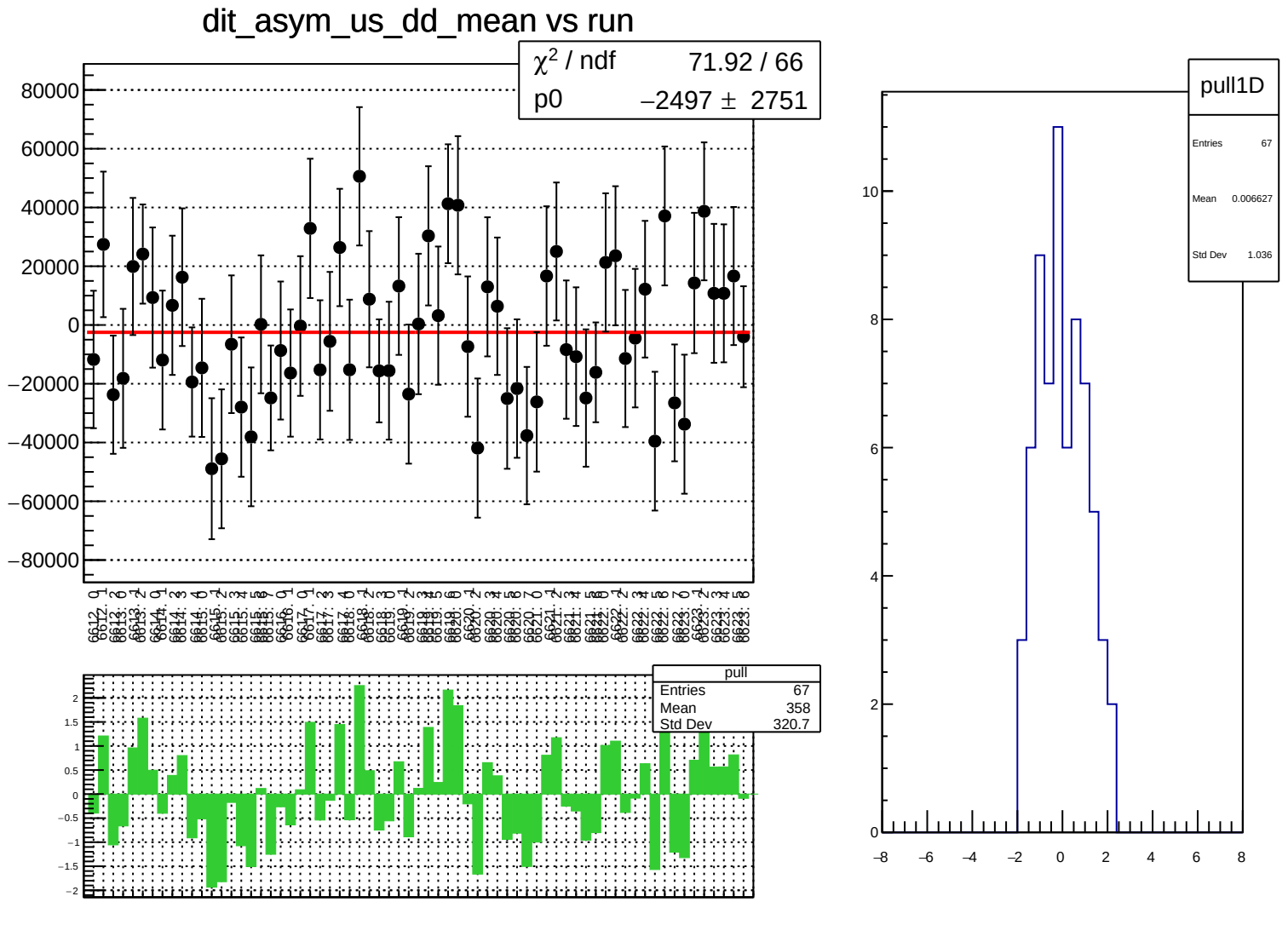

asym_us_avg_correction_mean vs run
χ² / ndf 63.72 / 66
p0 80.37 ± 1911
pull
Entries 67
Mean 130.1
Std Dev 88.92
pull1D
Entries 67
Mean 0.02223
Std Dev 0.975

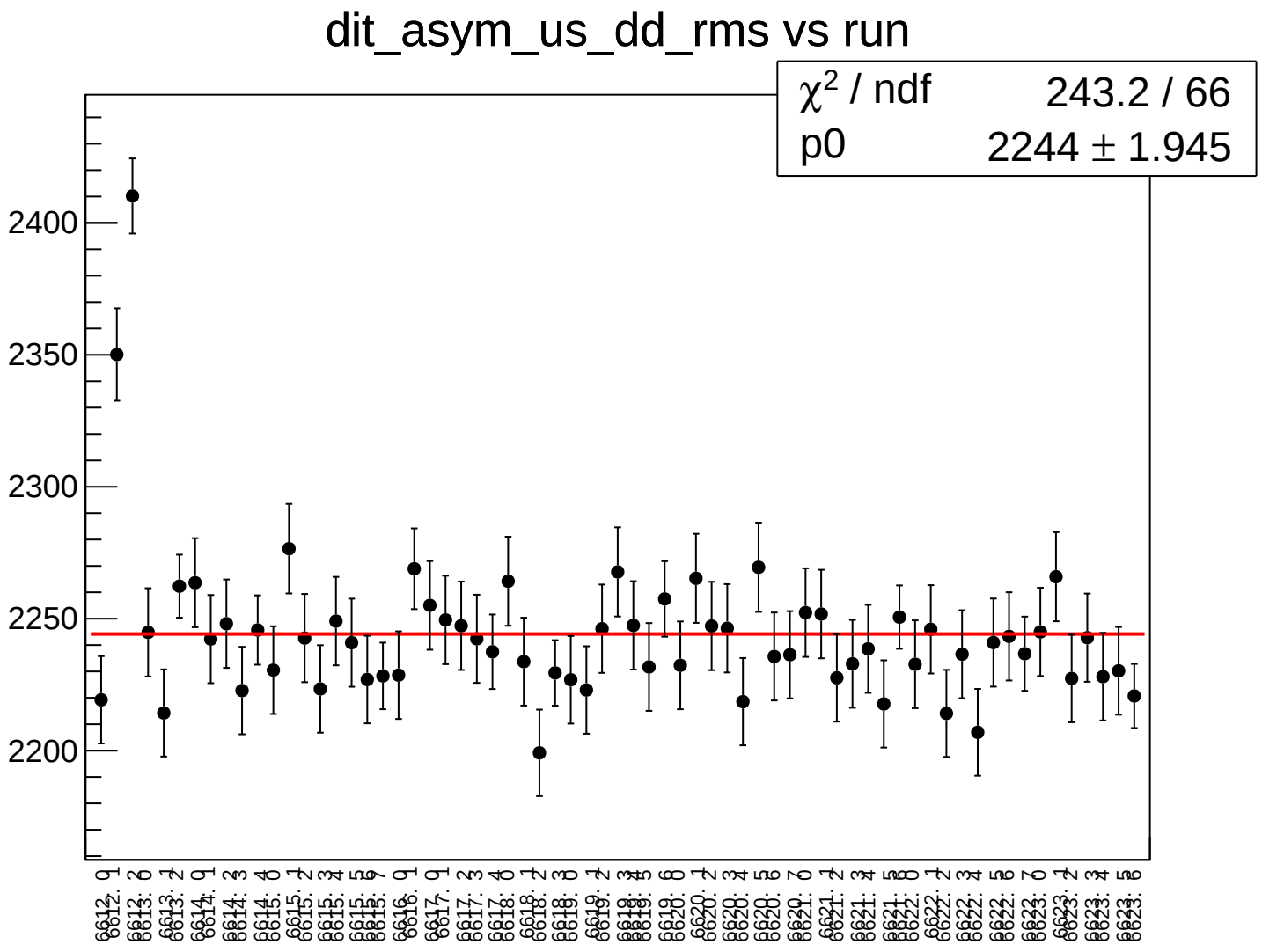

asym_us_avg_correction_rms vs run
χ^2 / ndf 8064 / 66
p0 1555 ± 1.352
2100
2000
1900
1800
1700
1600
1500
1400
1300

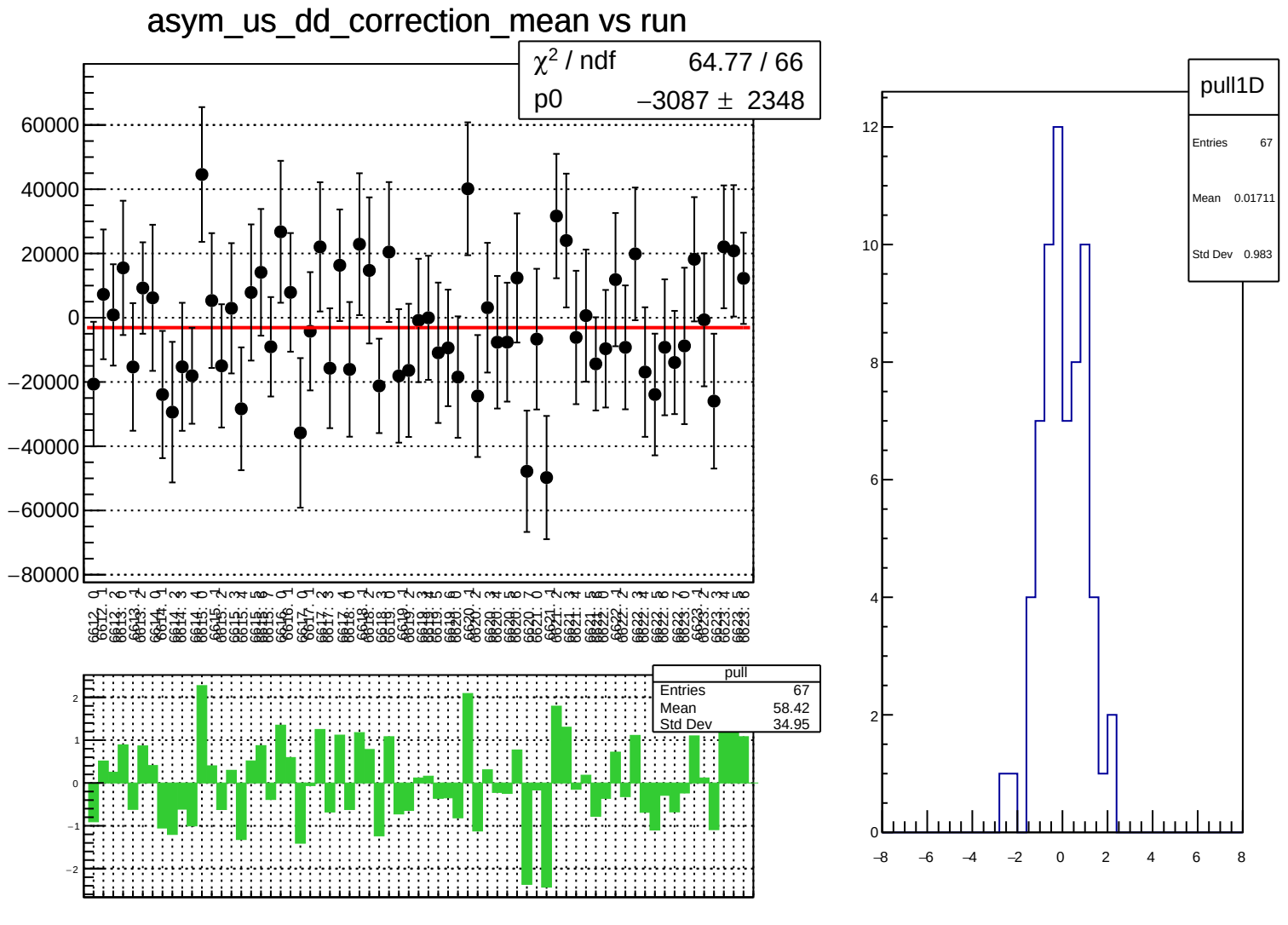

asym_us_avg_mean vs run
×10^3
χ² / ndf 66.07 / 66
p0 262.7 ± 3332
pull
Entries 67
Mean −3536
Std Dev 3567

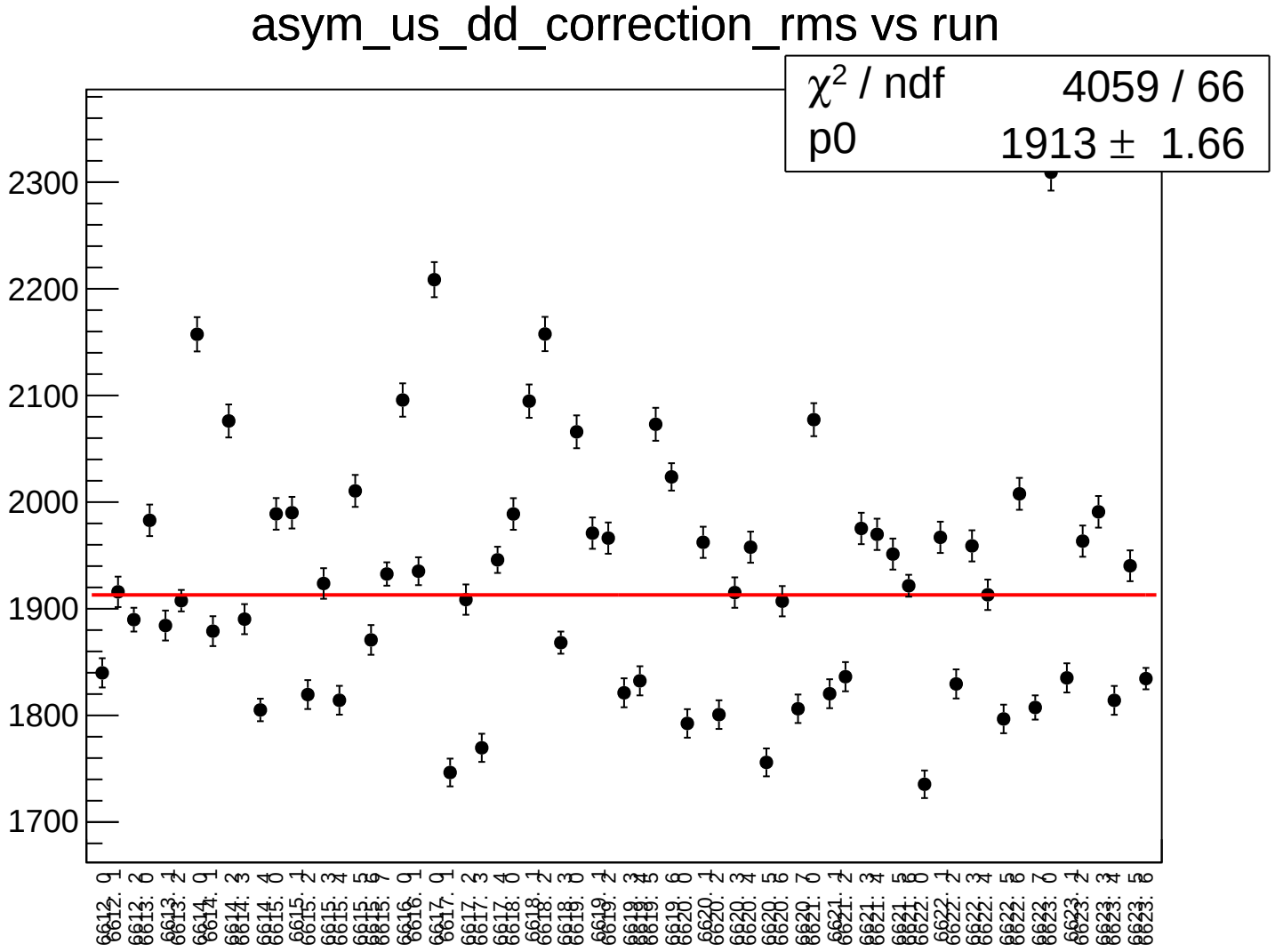

pull1D
Entries 67
Mean −0.0004331
Std Dev 0.9931

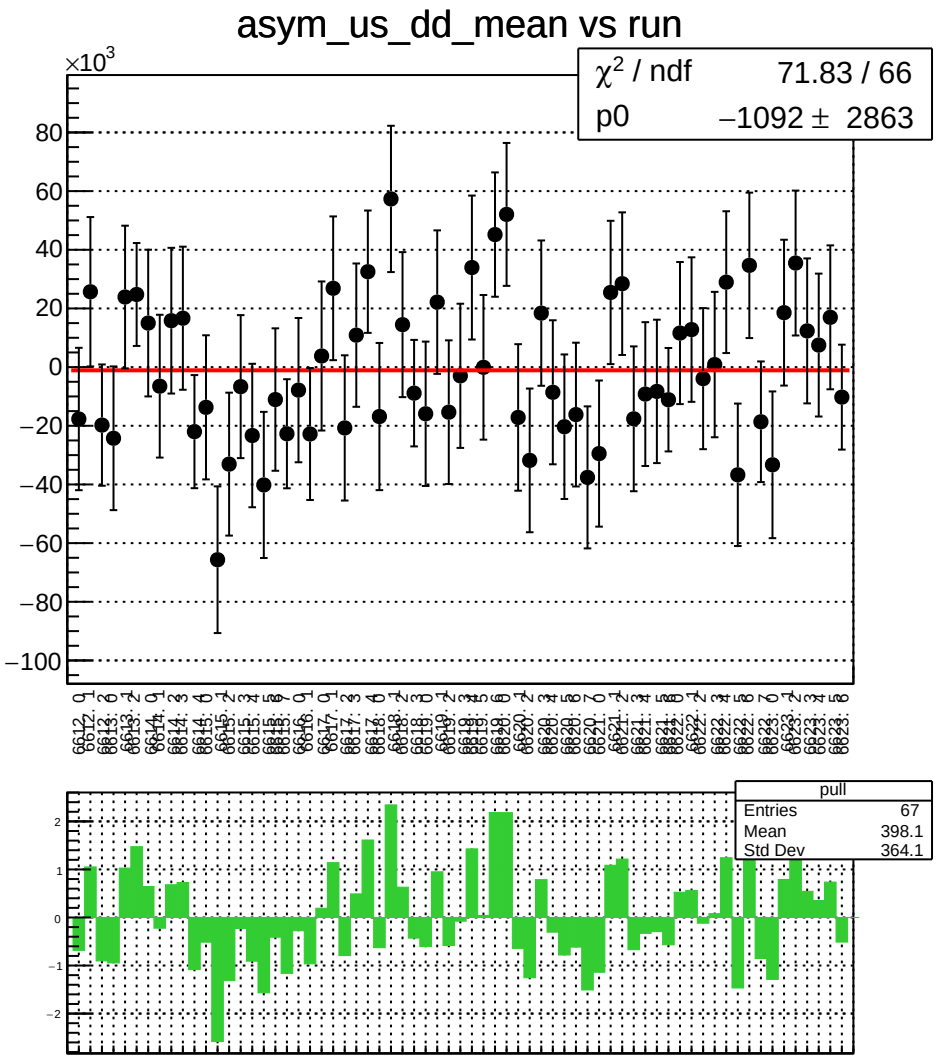

asym_us_avg_rms vs run
χ^2 / ndf 1055 / 66
p0 2718 ± 2.356
3000
2900
2800
2700
2600

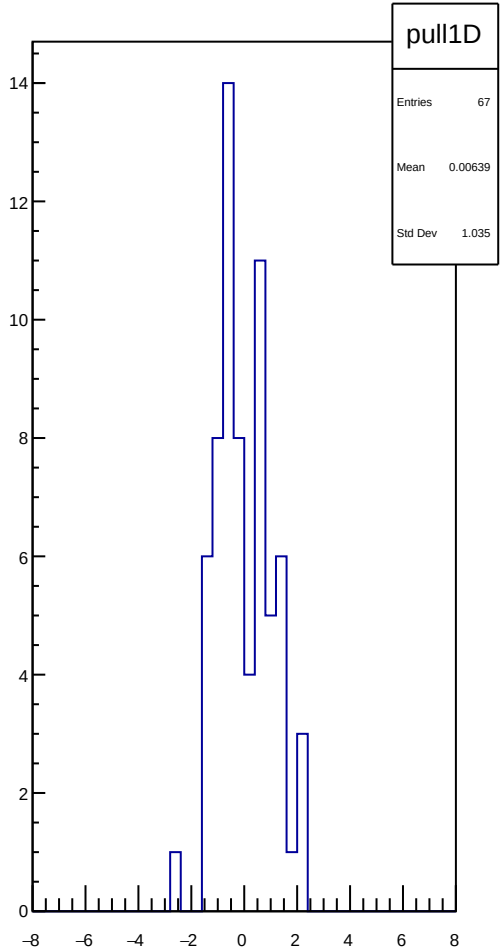

dit_asym_us_dd_mean vs run
χ² / ndf 71.92 / 66
p0 −2497 ± 2751
pull
Entries 67
Mean 358
Std Dev 320.7
pull1D
Entries 67
Mean 0.006627
Std Dev 1.036

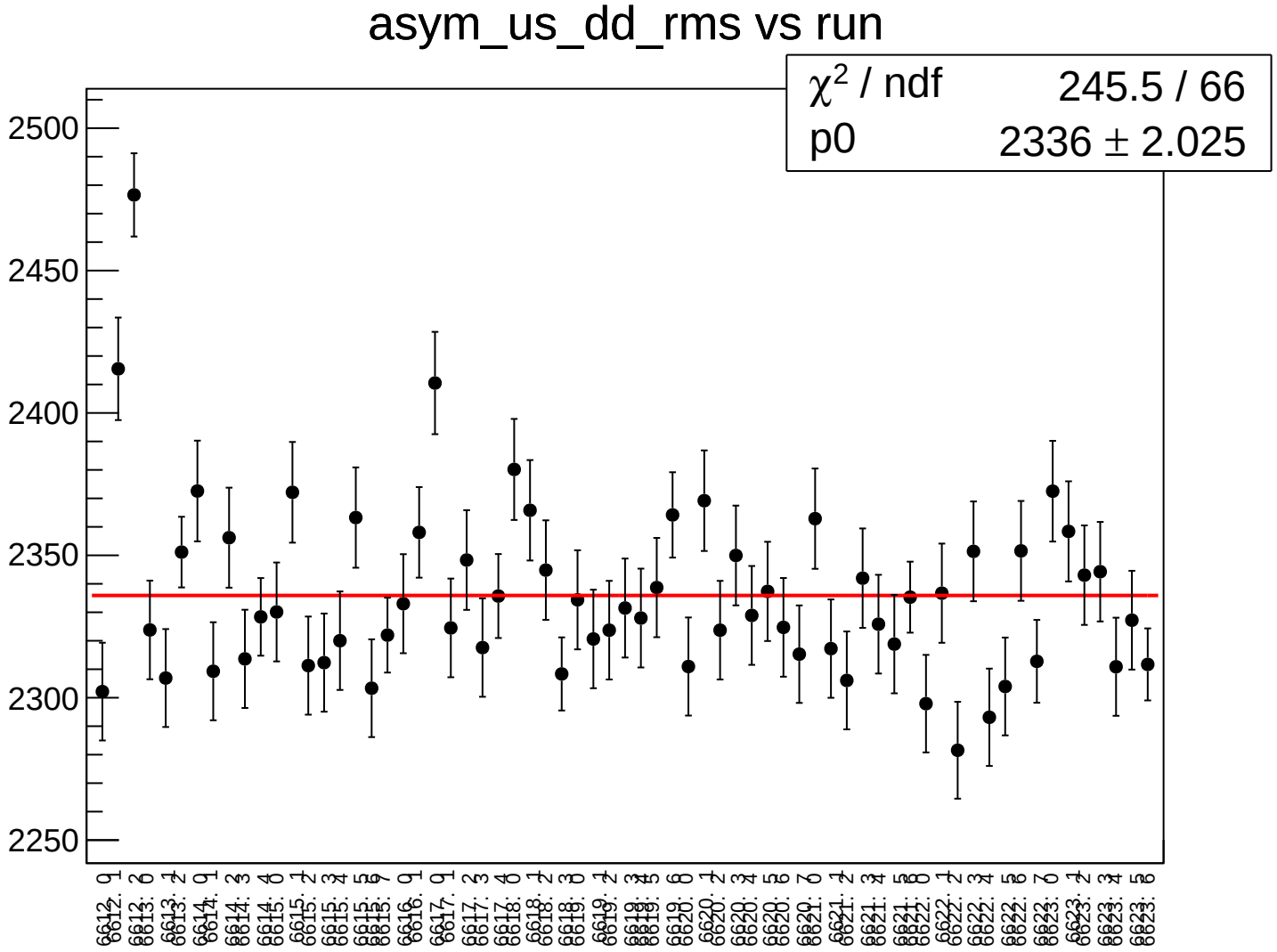

dit_asym_us_dd_rms vs run
χ^2 / ndf 243.2 / 66
p0 2244 ± 1.945
2400
2350
2300
2250
2200

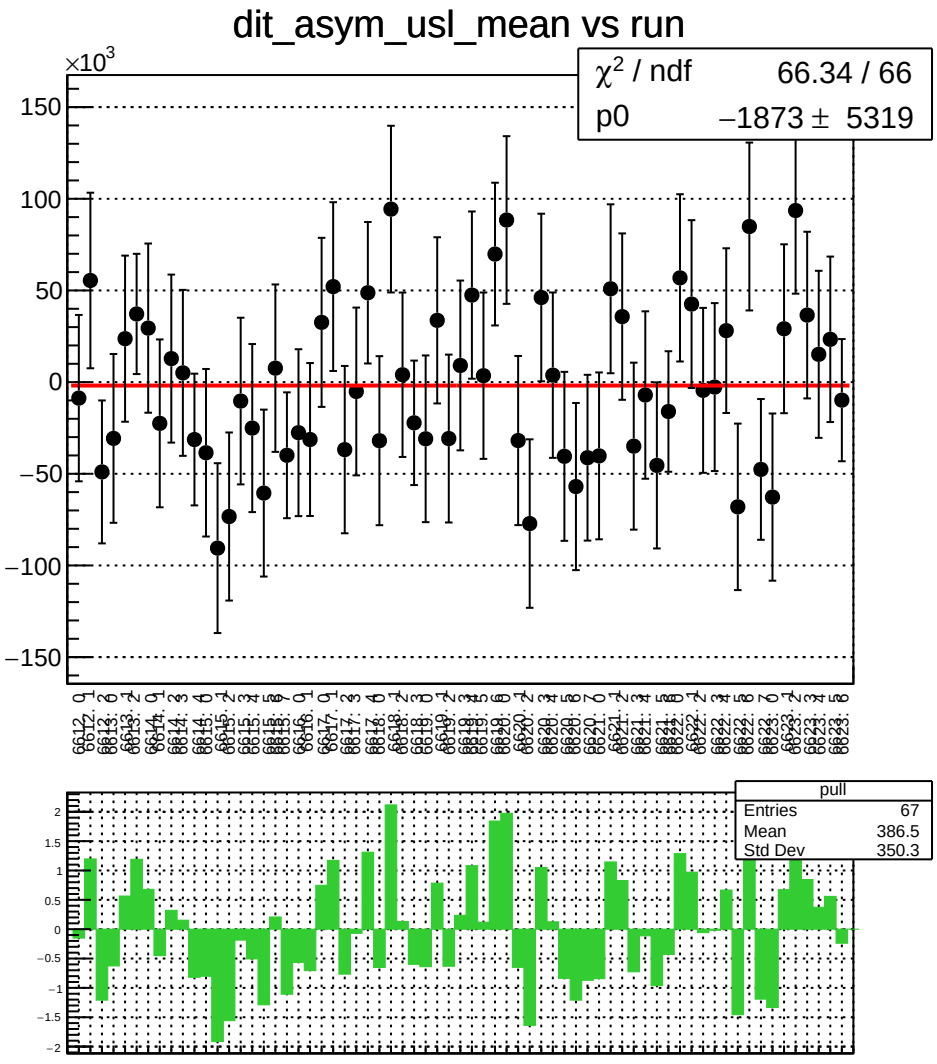

asym_us_dd_correction_mean vs run
χ² / ndf 64.77 / 66
p0 −3087 ± 2348
pull
Entries 67
Mean 58.42
Std Dev 34.95
pull1D
Entries 67
Mean 0.01711
Std Dev 0.983

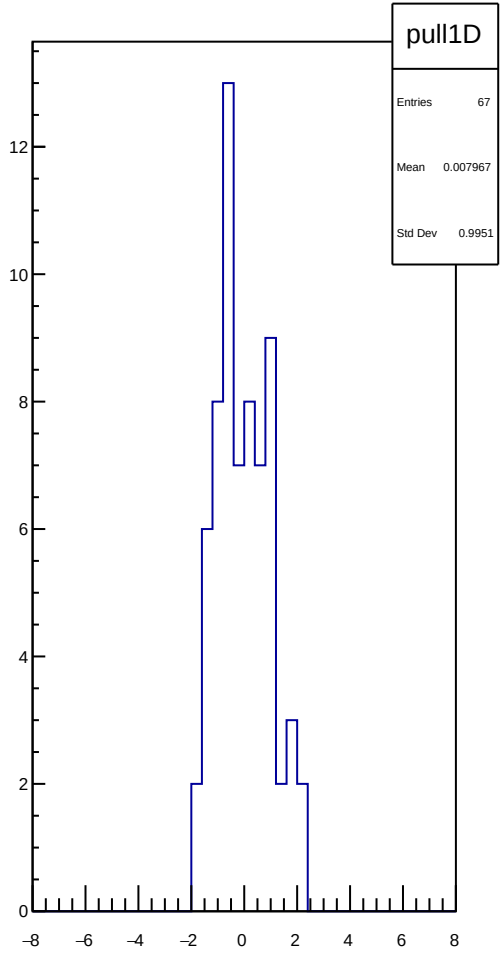

asym_us_dd_correction_rms vs run
χ² / ndf 4059 / 66
p0 1913 ± 1.66
2300
2200
2100
2000
1900
1800
1700


asym_us_dd_mean vs run
×10^3
χ² / ndf 71.83 / 66
p0 −1092 ± 2863
pull
Entries 67
Mean 398.1
Std Dev 364.1

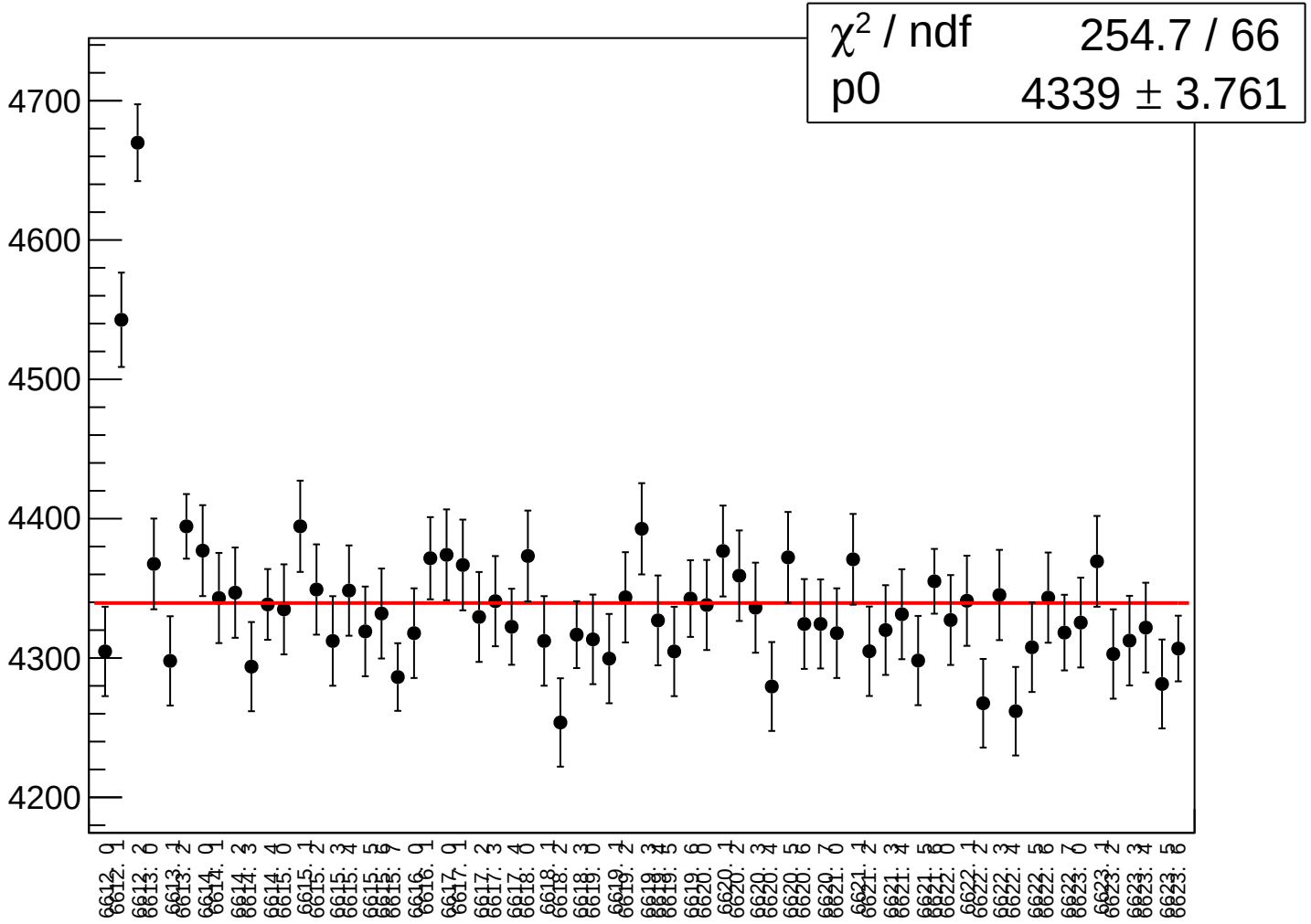

pull1D
Entries 67
Mean 0.00639
Std Dev 1.035

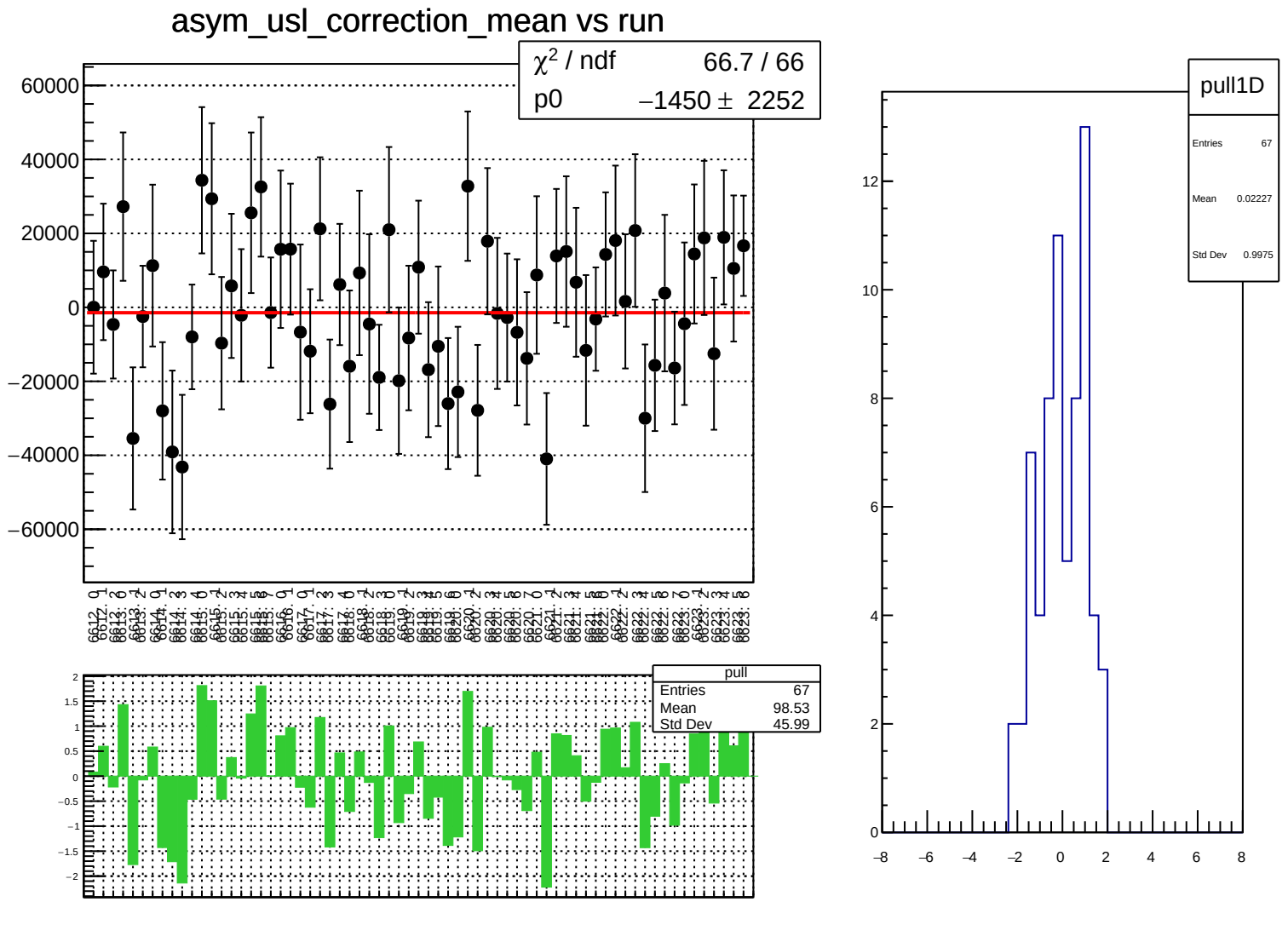

asym_us_dd_rms vs run
χ² / ndf 245.5 / 66
p0 2336 ± 2.025
2500
2450
2400
2350
2300
2250


dit_asym_usl_mean vs run
χ^2 / ndf 66.34 / 66
p0 −1873 ± 5319
×10^3
pull
Entries 67
Mean 386.5
Std Dev 350.3

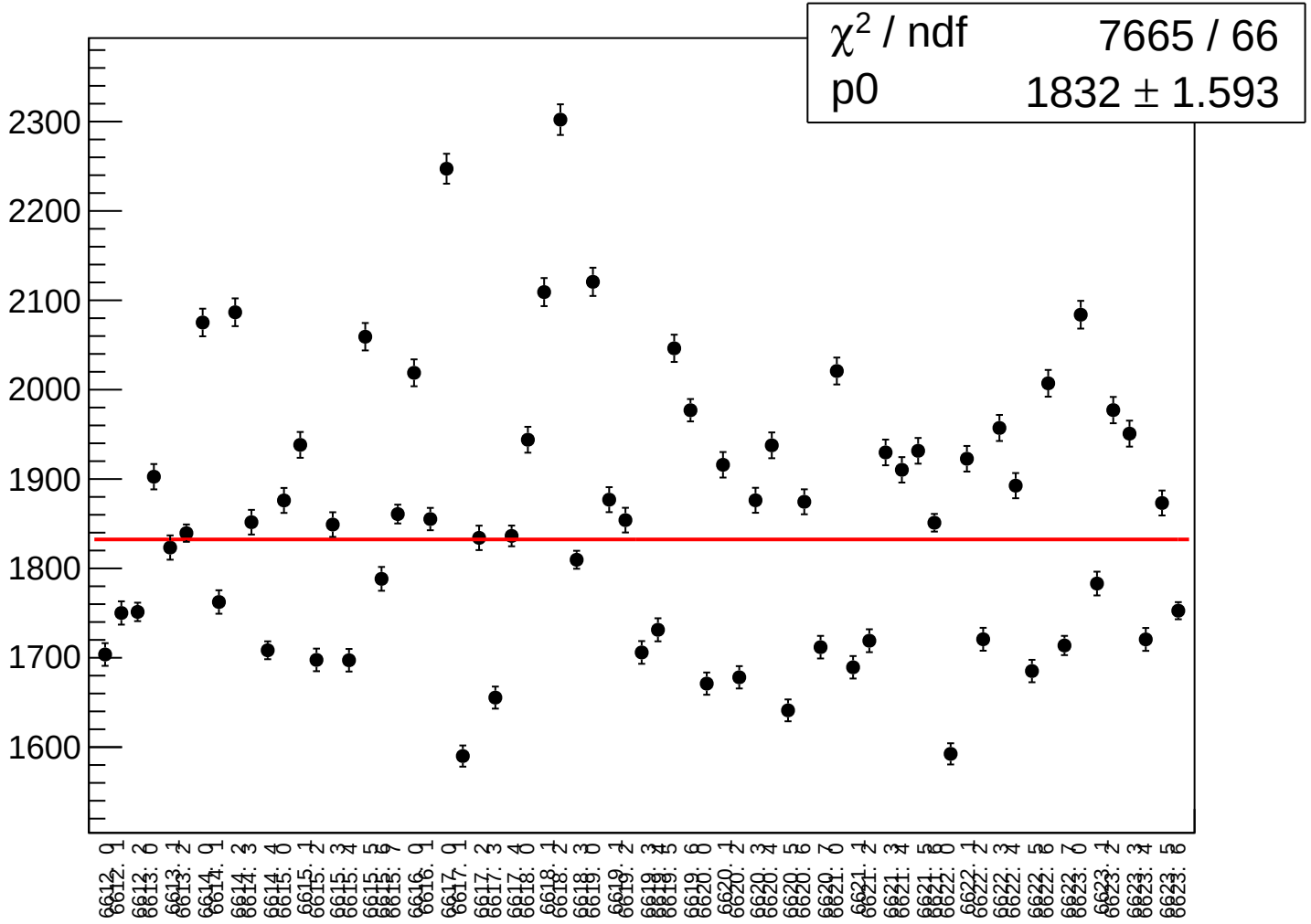

pull1D
Entries 67
Mean 0.007967
Std Dev 0.9951

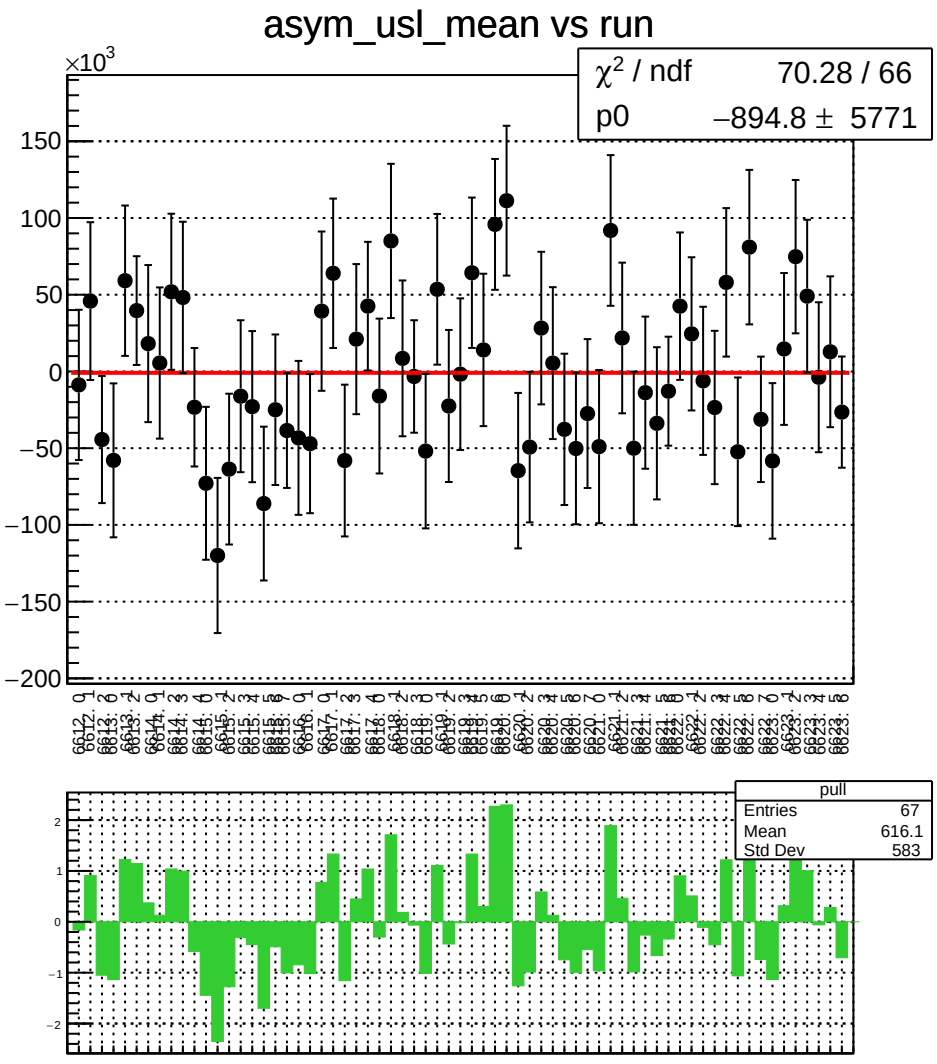
dit_asym_usl_rms vs run

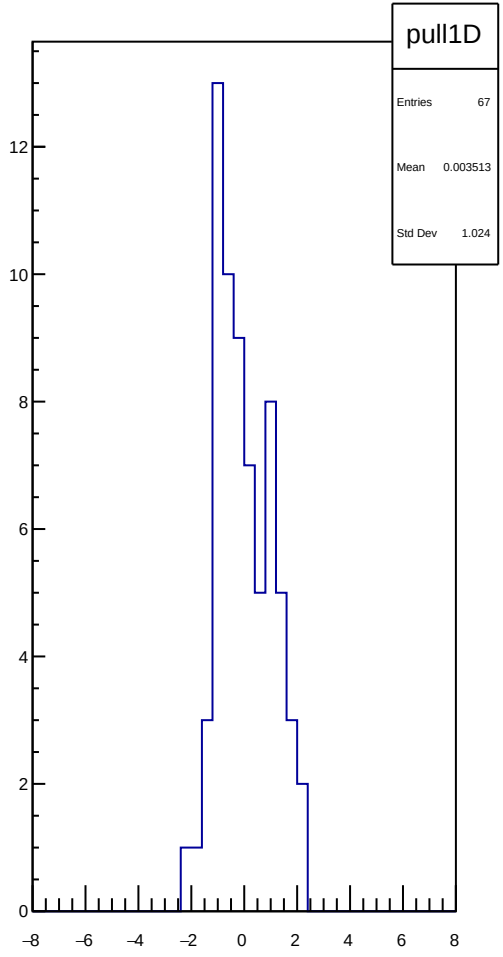



asym_usl_correction_mean vs run
χ² / ndf 66.7 / 66
p0 −1450 ± 2252
pull
Entries 67
Mean 98.53
Std Dev 45.99
pull1D
Entries 67
Mean 0.02227
Std Dev 0.9975

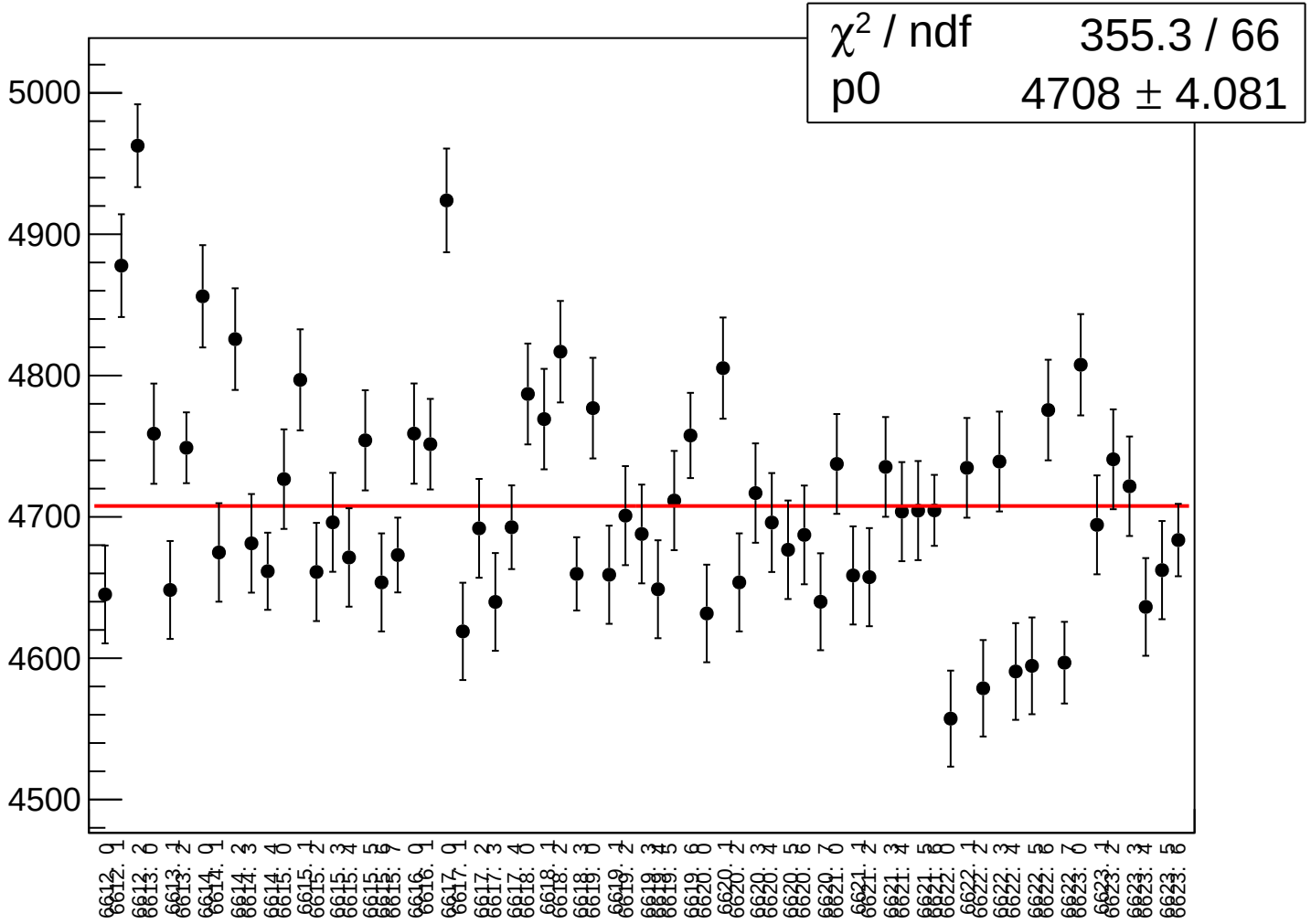
asym_usl_correction_rms vs run

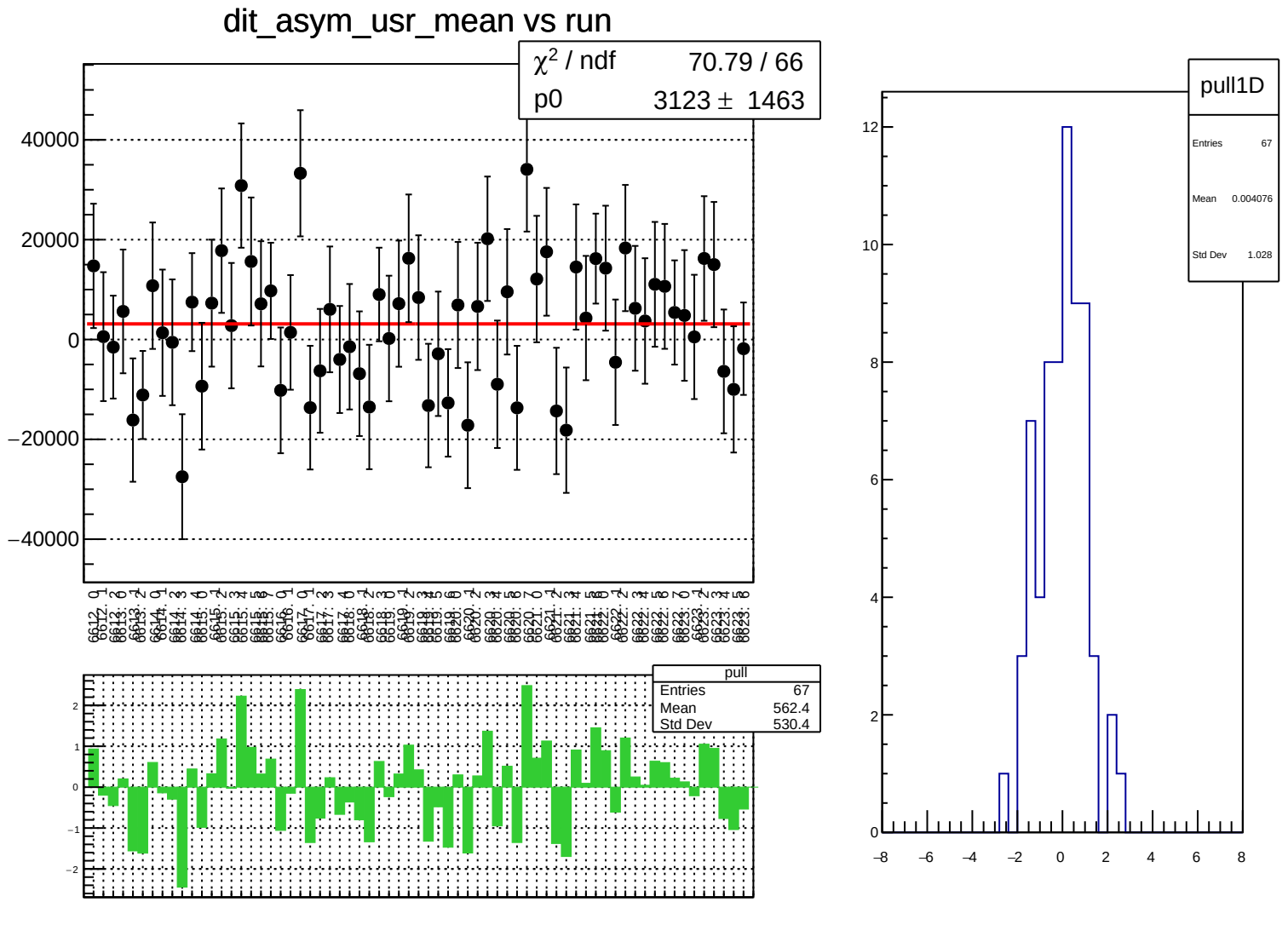



asym_usl_mean vs run
×10^3
χ² / ndf 70.28 / 66
p0 −894.8 ± 5771
pull
Entries 67
Mean 616.1
Std Dev 583

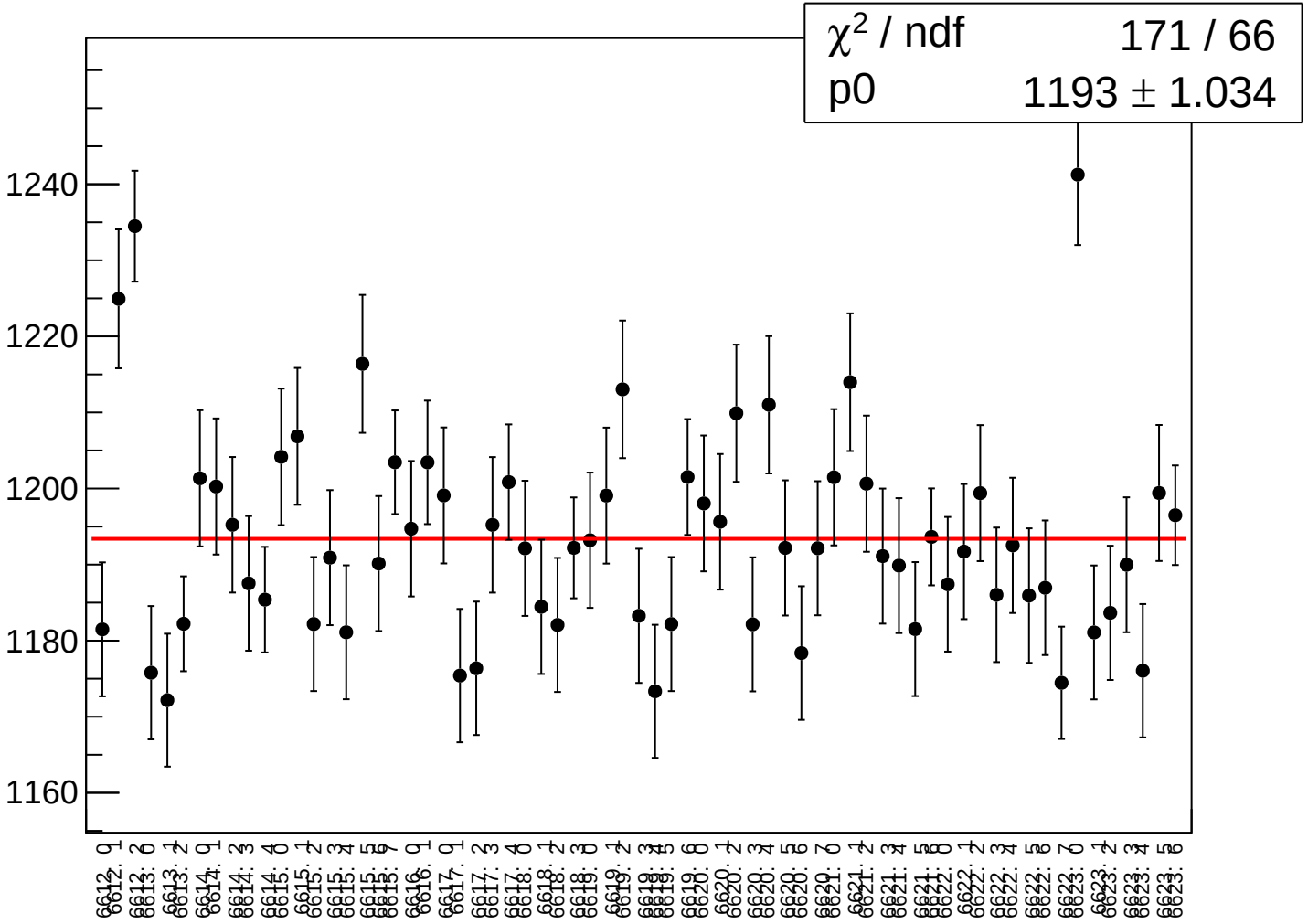

pull1D
Entries 67
Mean 0.003513
Std Dev 1.024

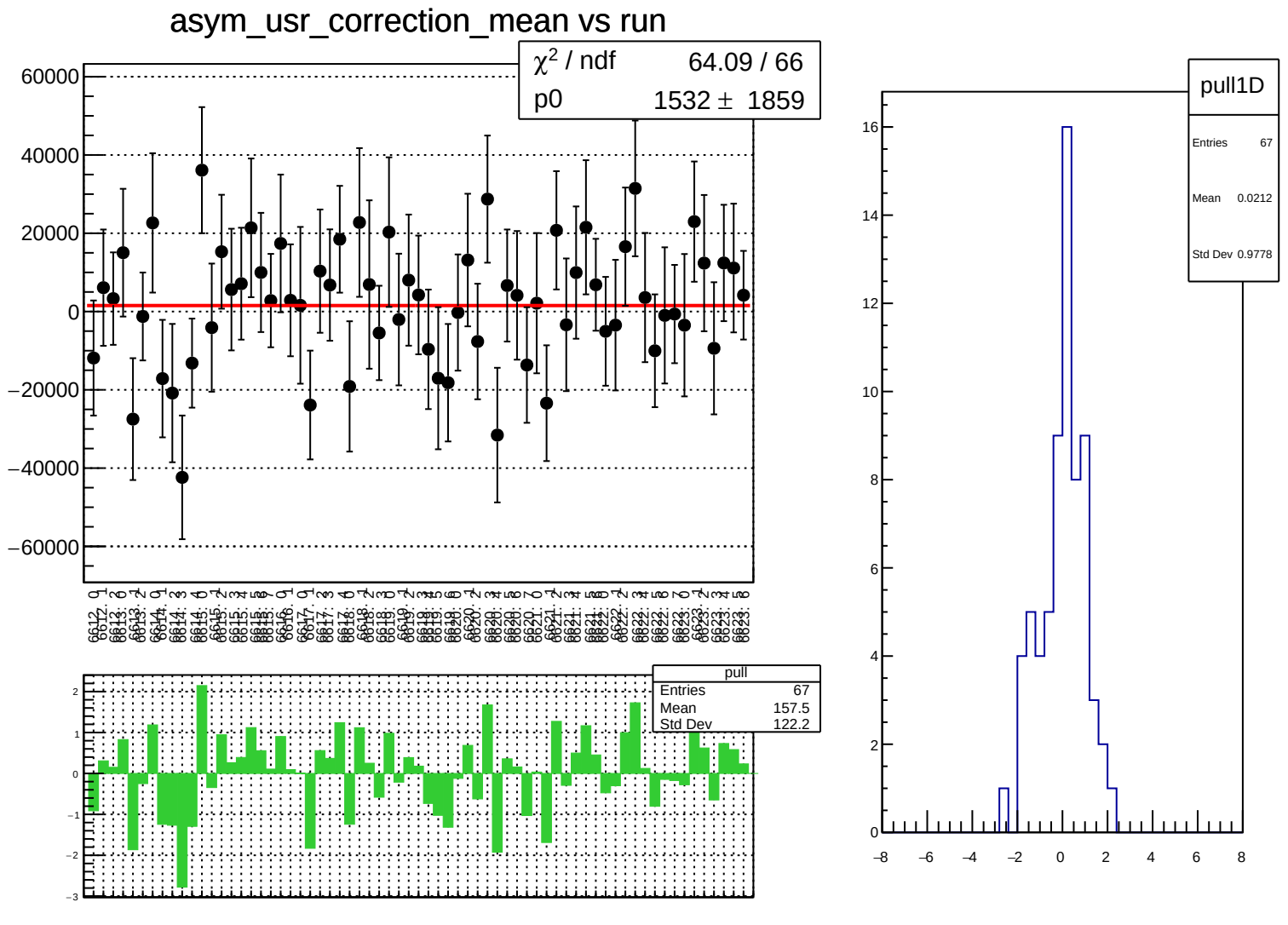
asym_usl_rms vs run



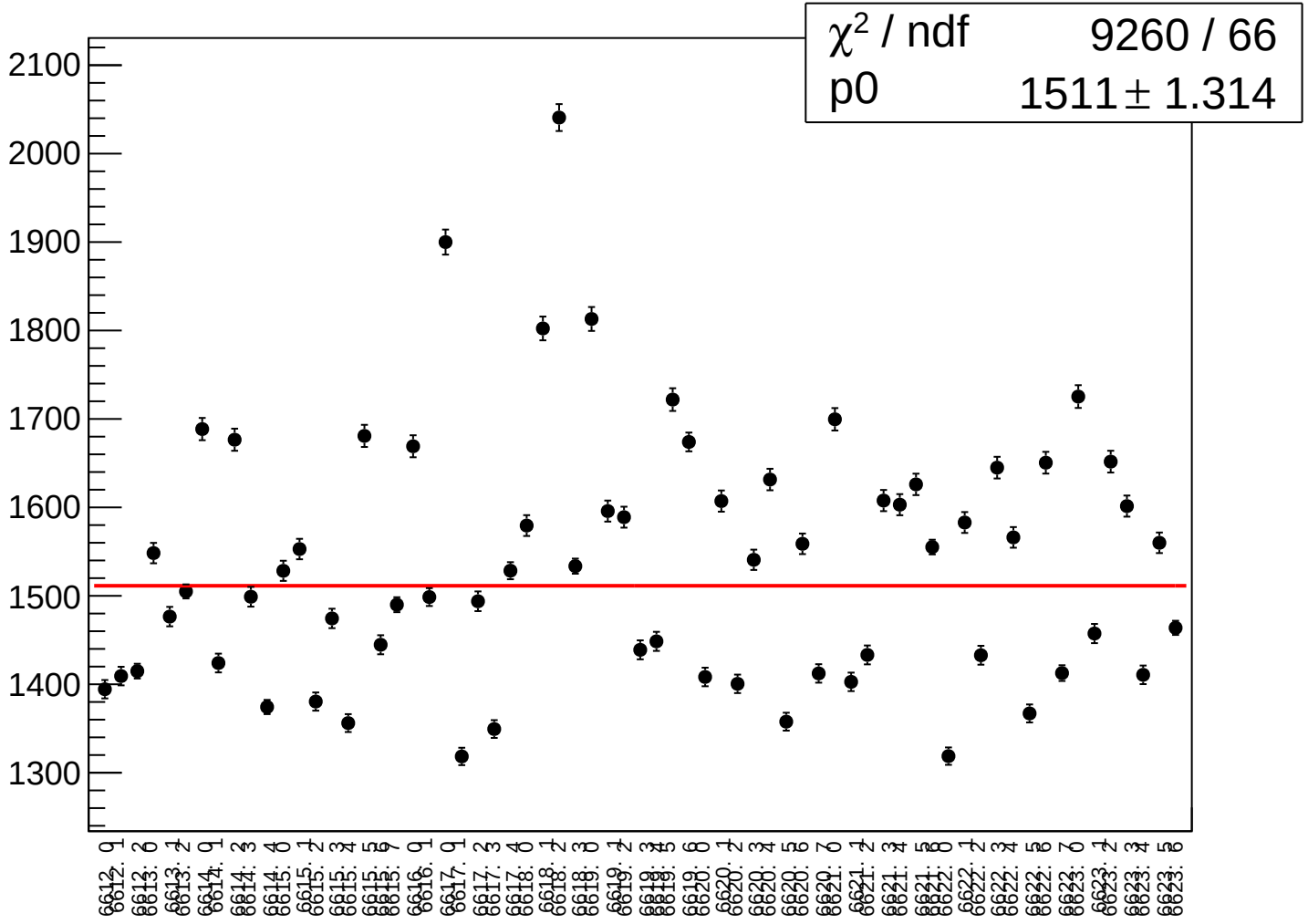

dit_asym_usr_mean vs run
χ² / ndf 70.79 / 66
p0 3123 ± 1463
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 562.4
Std Dev 530.4
pull1D
Entries 67
Mean 0.004076
Std Dev 1.028

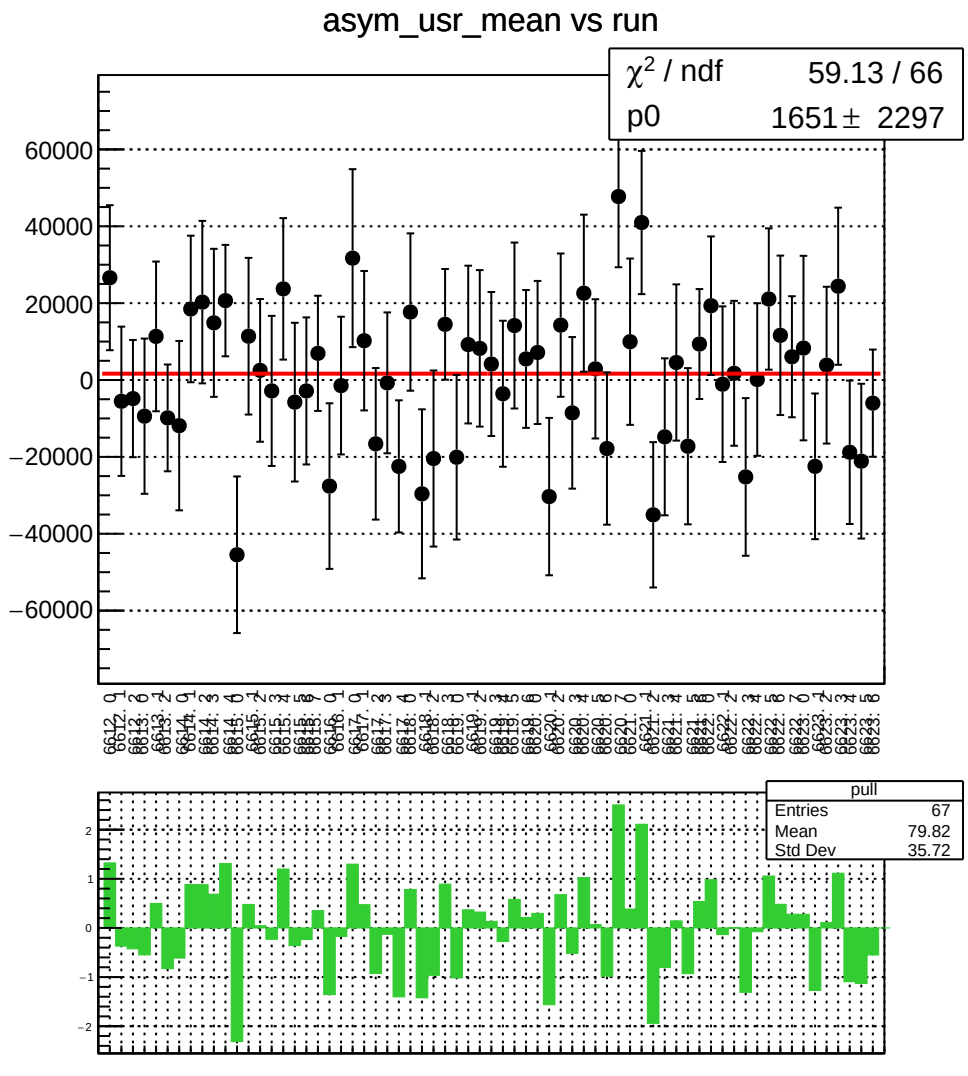
dit_asym_usr_rms vs run

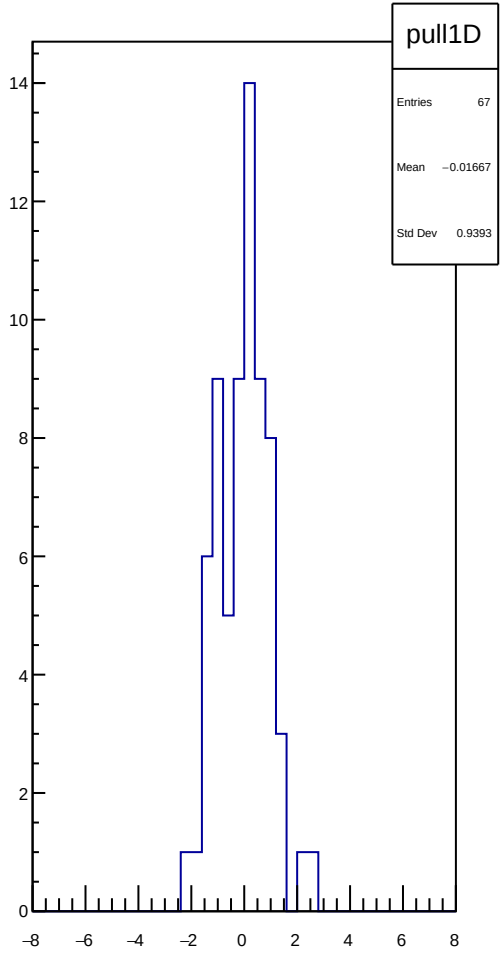


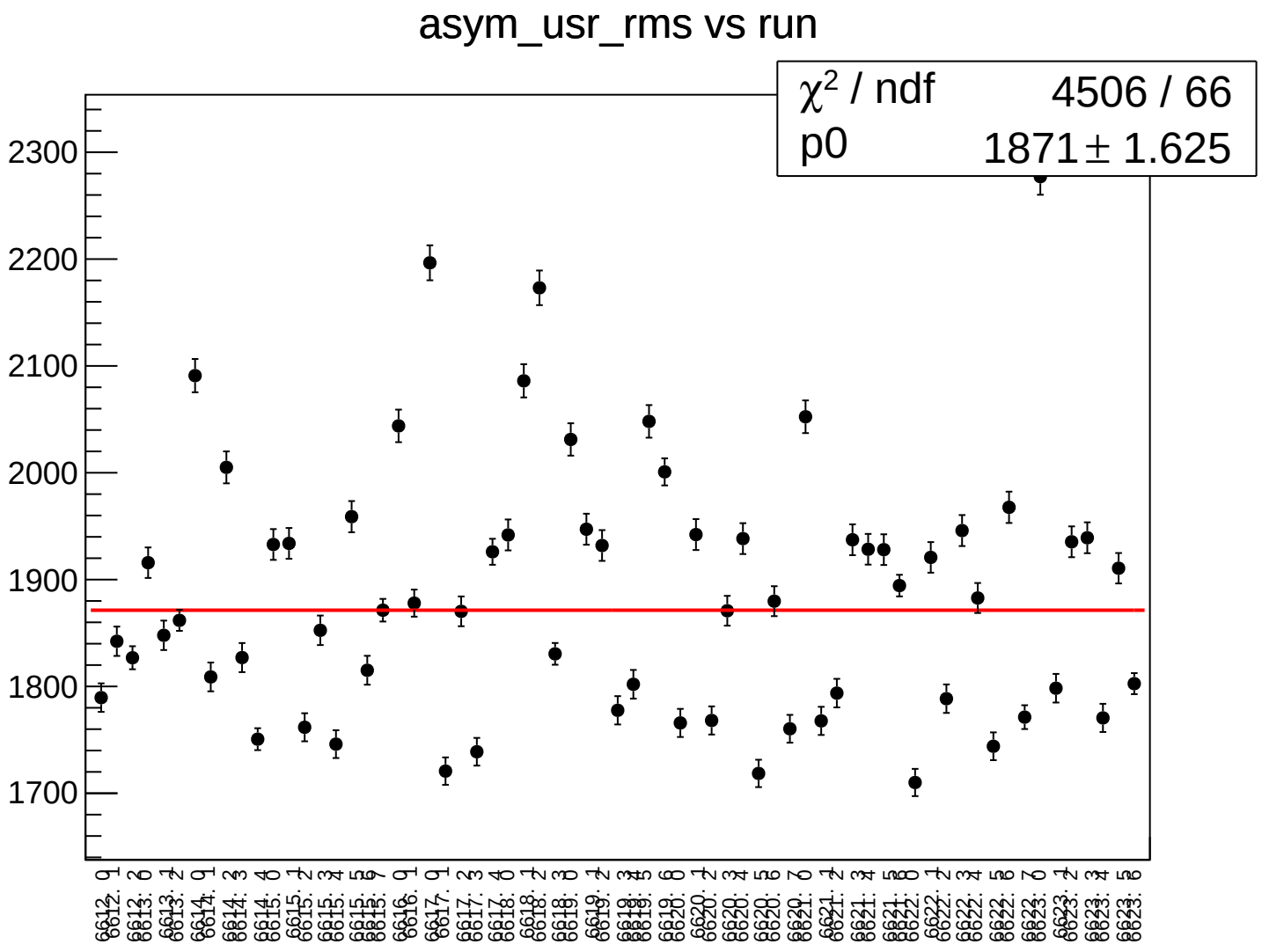

asym_usr_correction_mean vs run
χ² / ndf 64.09 / 66
p0 1532 ± 1859
pull
Entries 67
Mean 157.5
Std Dev 122.2
pull1D
Entries 67
Mean 0.0212
Std Dev 0.9778

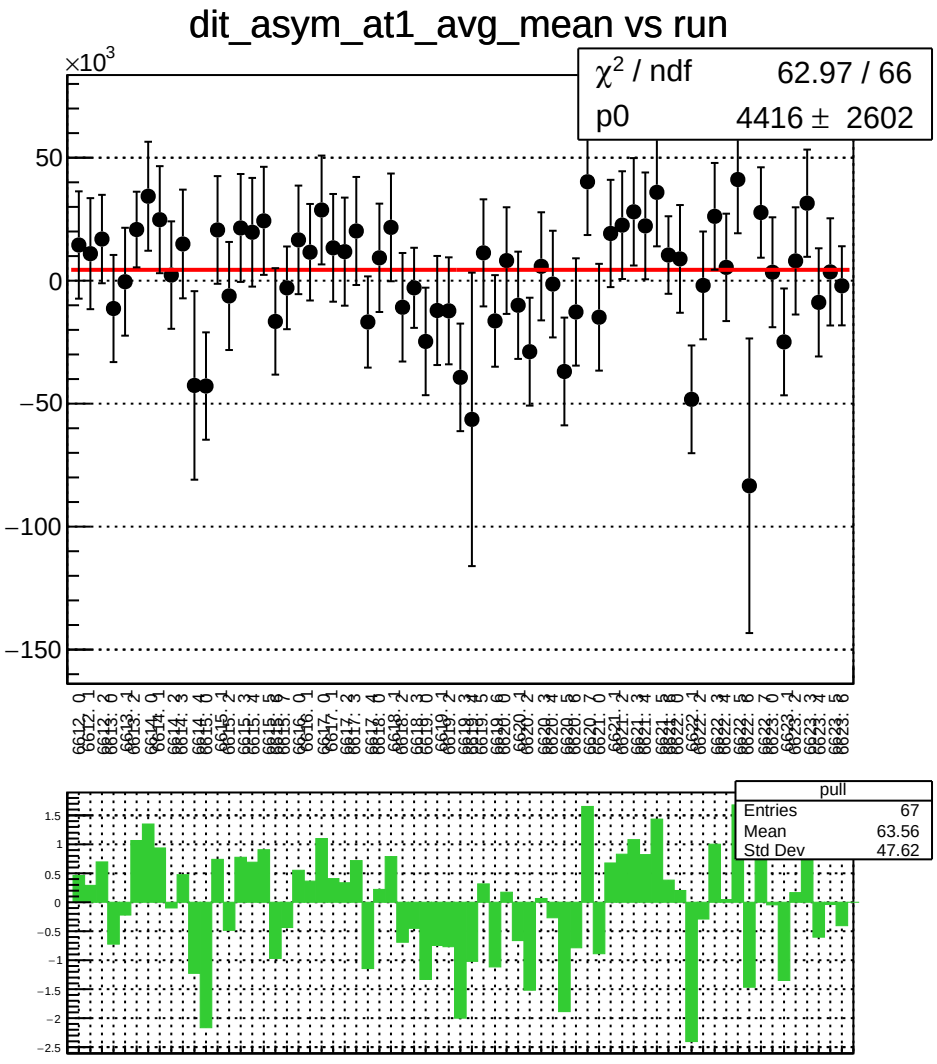
asym_usr_correction_rms vs run

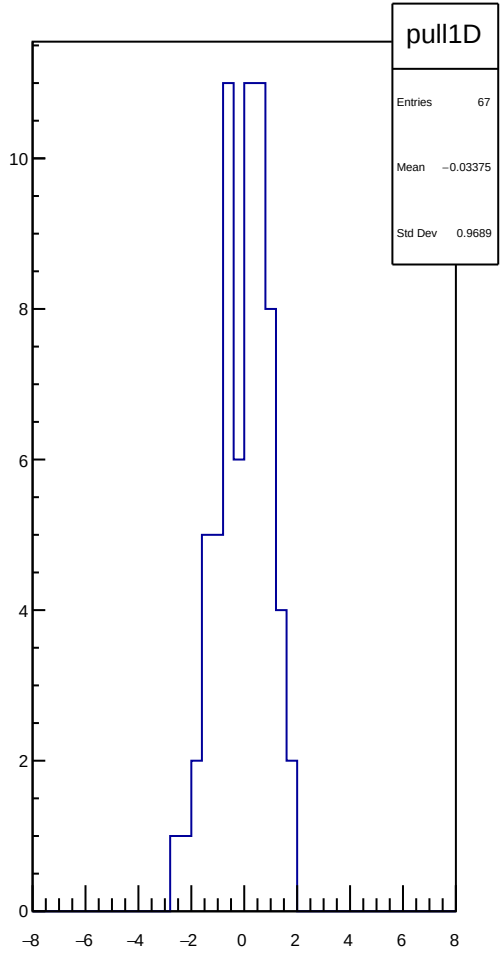


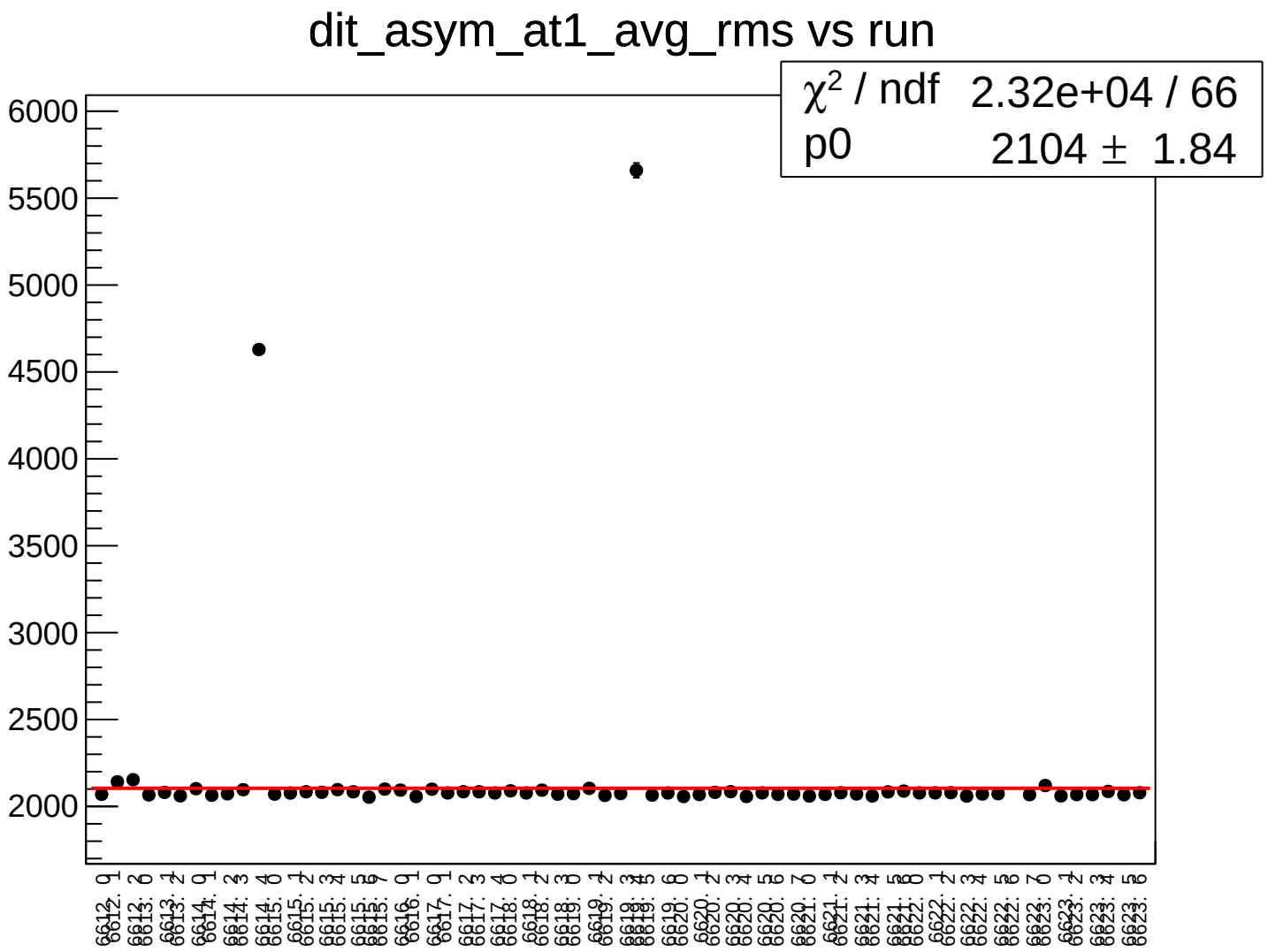

asym_usr_mean vs run
χ² / ndf 59.13 / 66
p0 1651 ± 2297
pull
Entries 67
Mean 79.82
Std Dev 35.72

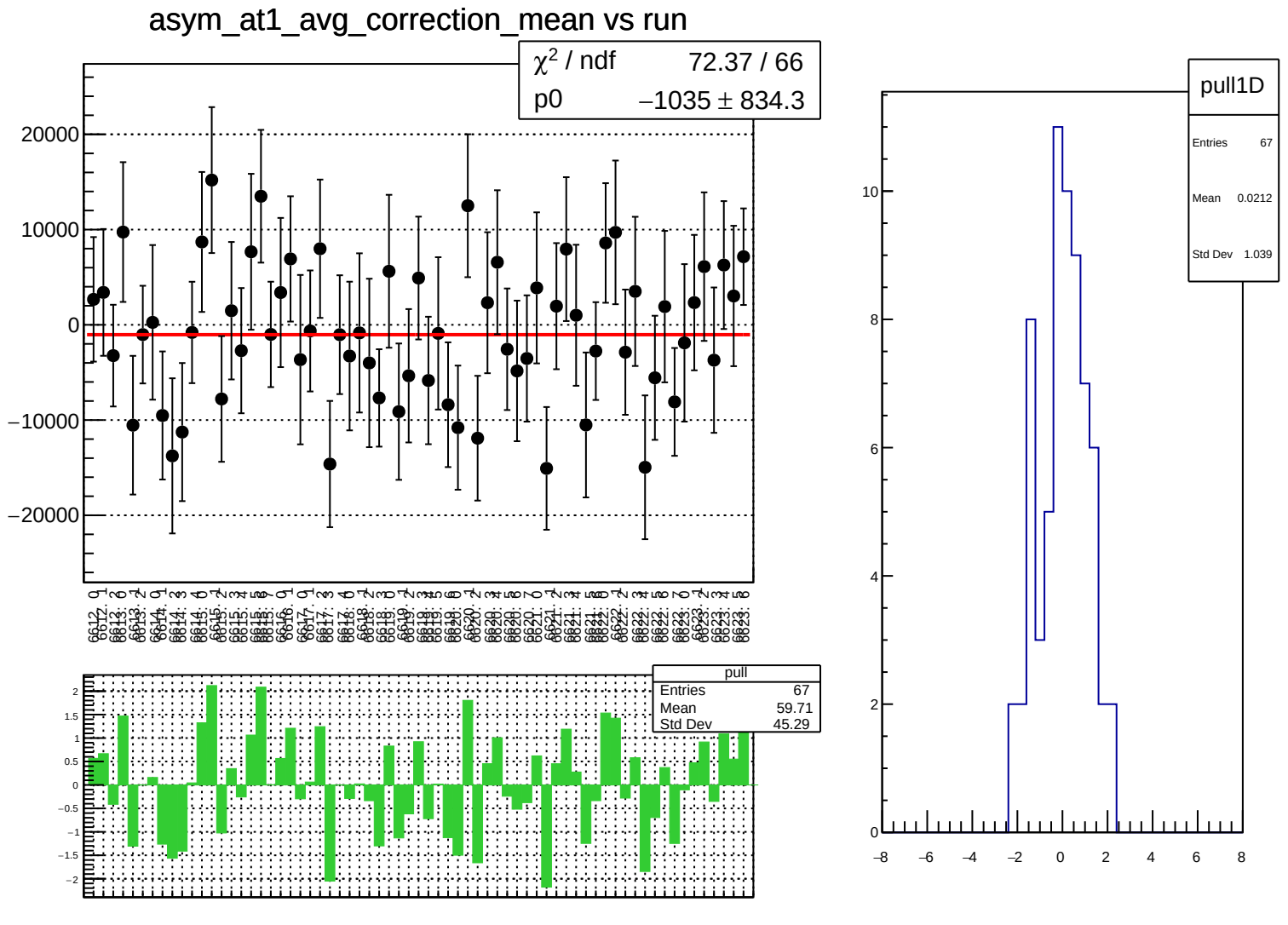

pull1D
Entries 67
Mean −0.01667
Std Dev 0.9393


asym_usr_rms vs run
χ² / ndf 4506 / 66
p0 1871 ± 1.625
2300
2200
2100
2000
1900
1800
1700

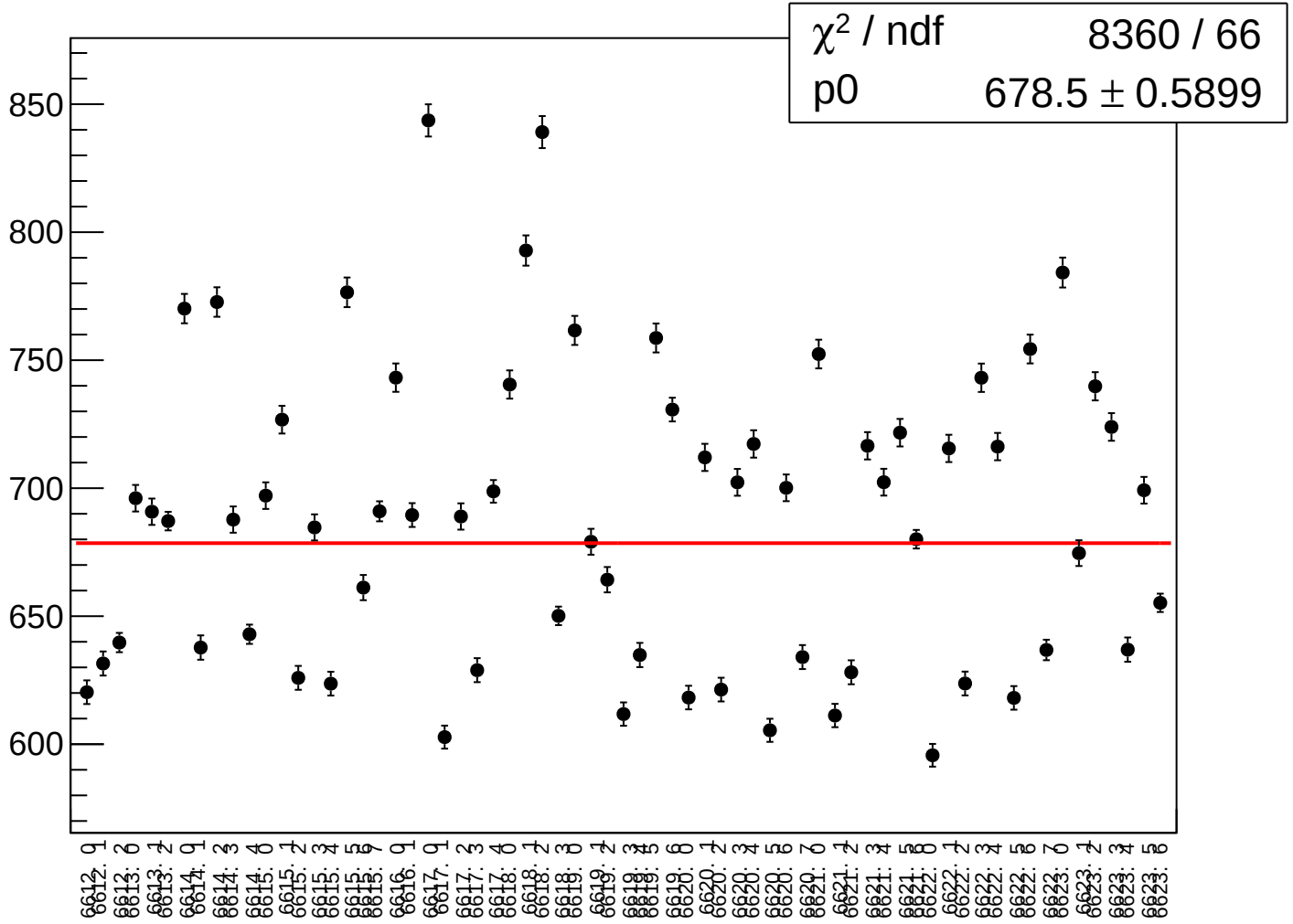

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 62.97 / 66
p0 4416 ± 2602
50
0
−50
−100
−150
pull
Entries 67
Mean 63.56
Std Dev 47.62
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

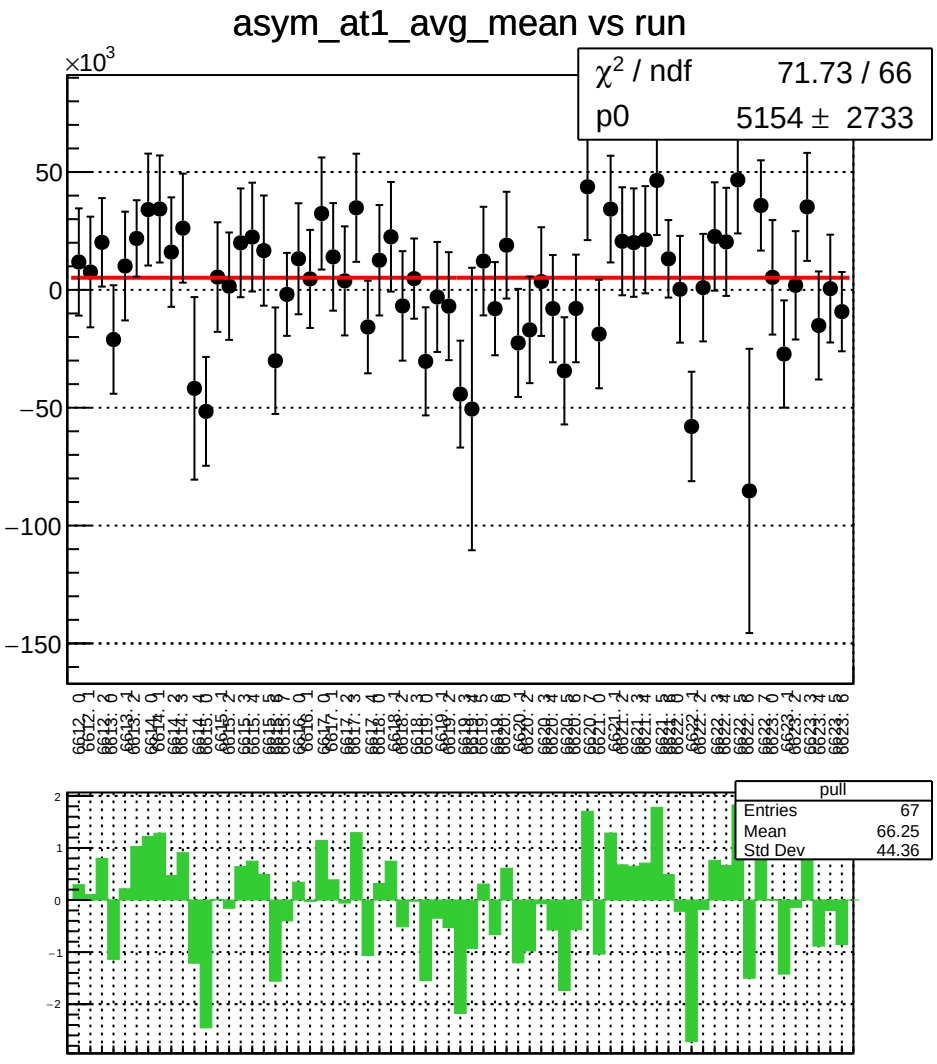

pull1D
Entries 67
Mean −0.03375
Std Dev 0.9689
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

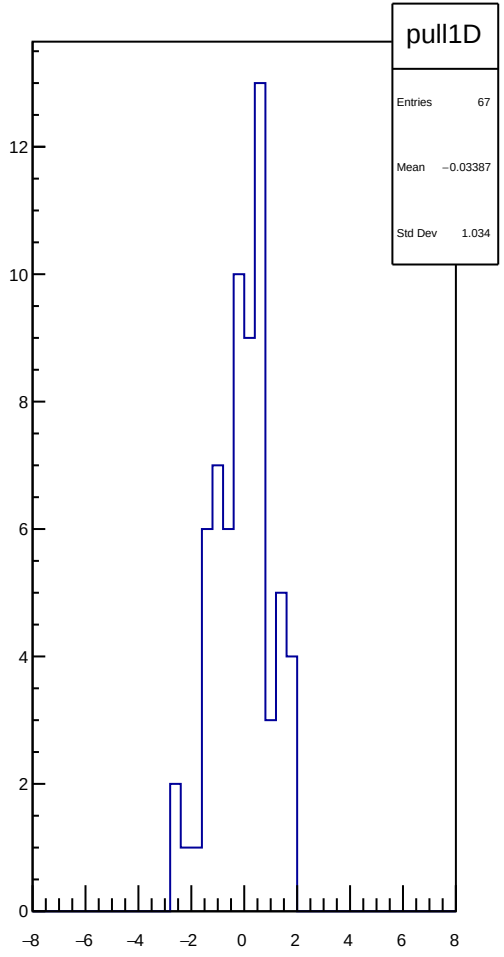

dit_asym_at1_avg_rms vs run
χ² / ndf 2.32e+04 / 66
p0 2104 ± 1.84
6000
5500
5000
4500
4000
3500
3000
2500
2000

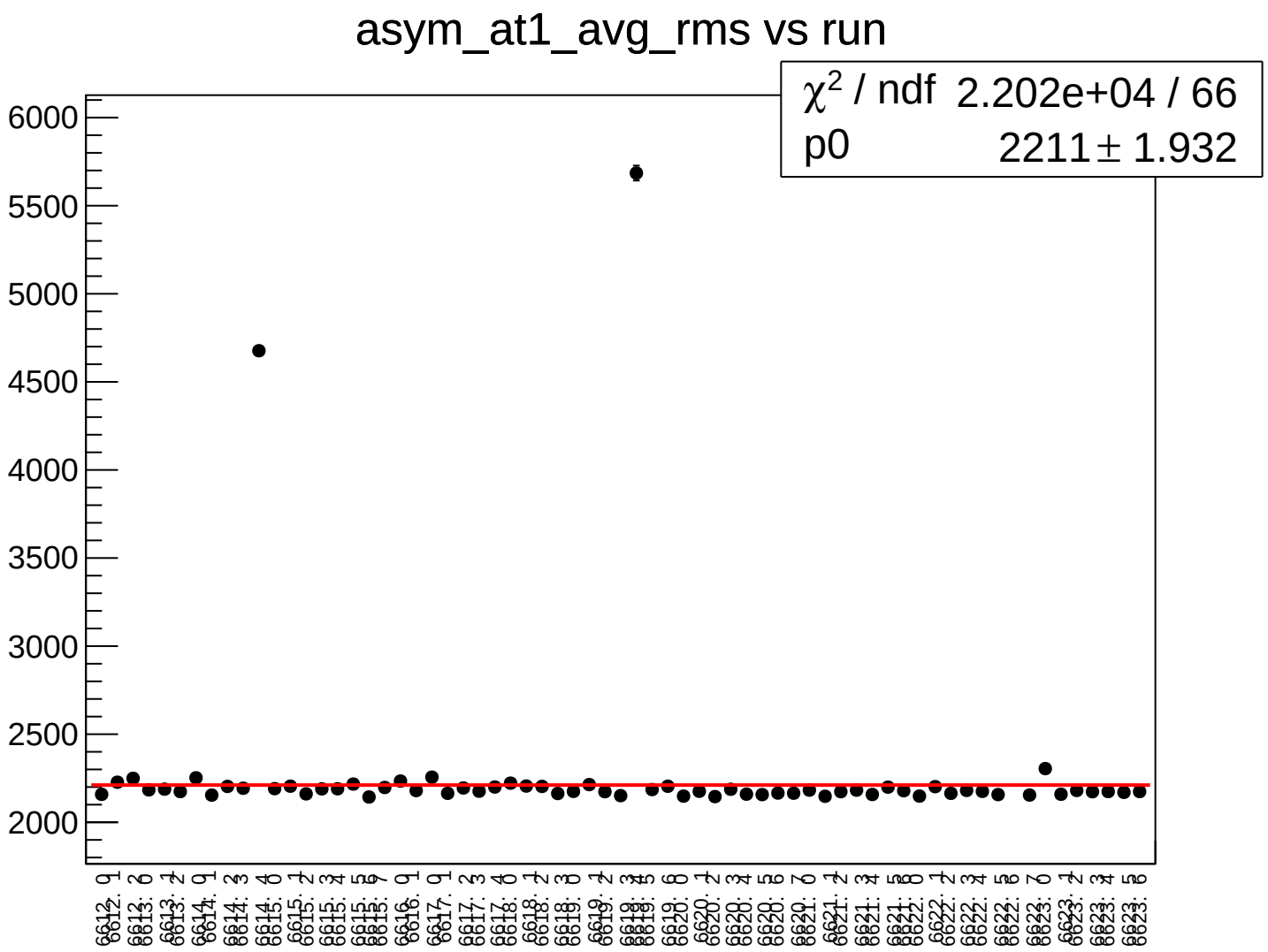

asym_at1_avg_correction_mean vs run
χ² / ndf 72.37 / 66
p0 −1035 ± 834.3
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 59.71
Std Dev 45.29
pull1D
Entries 67
Mean 0.0212
Std Dev 1.039

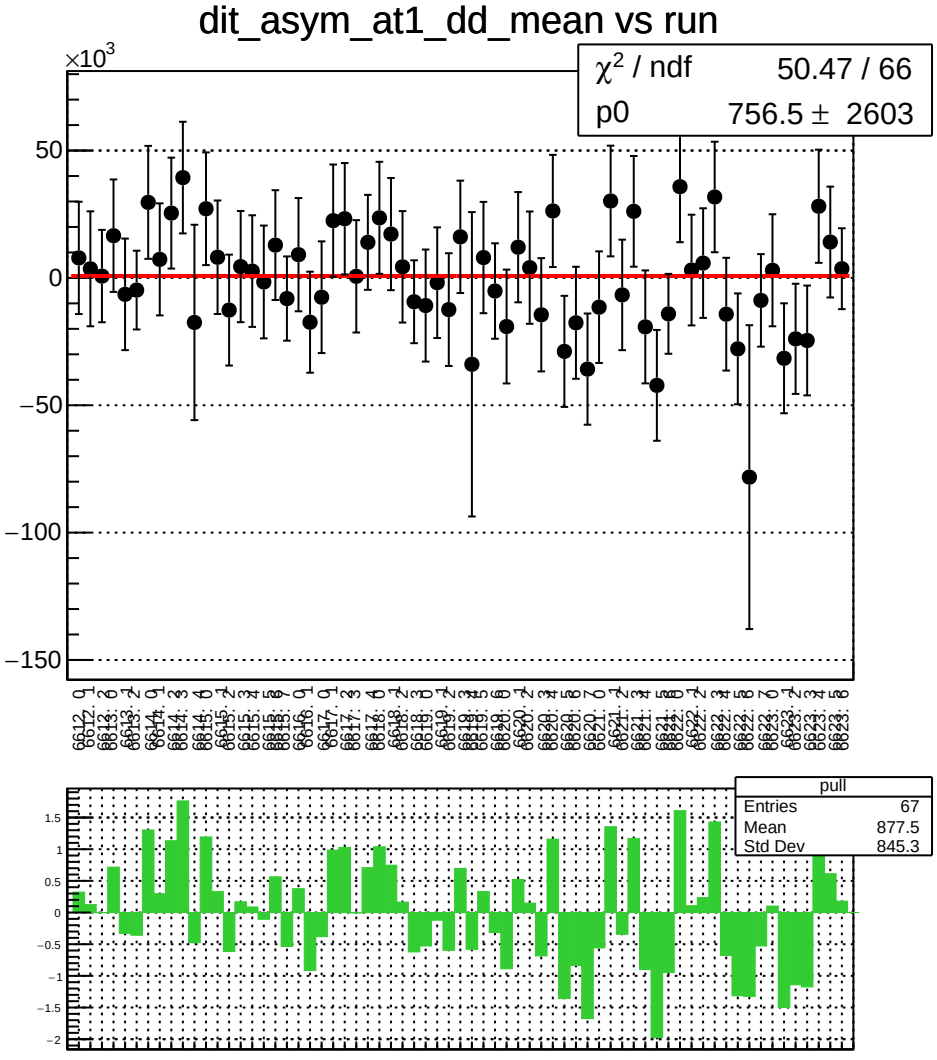
asym_at1_avg_correction_rms vs run

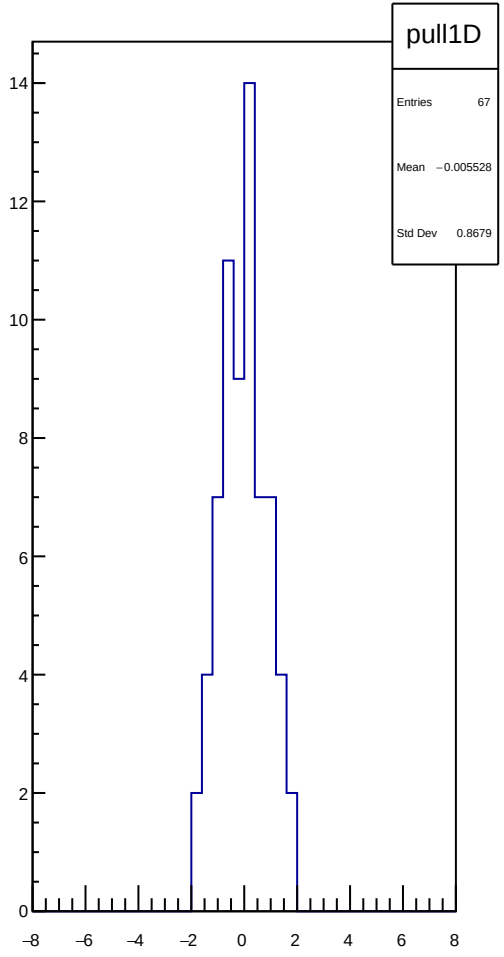


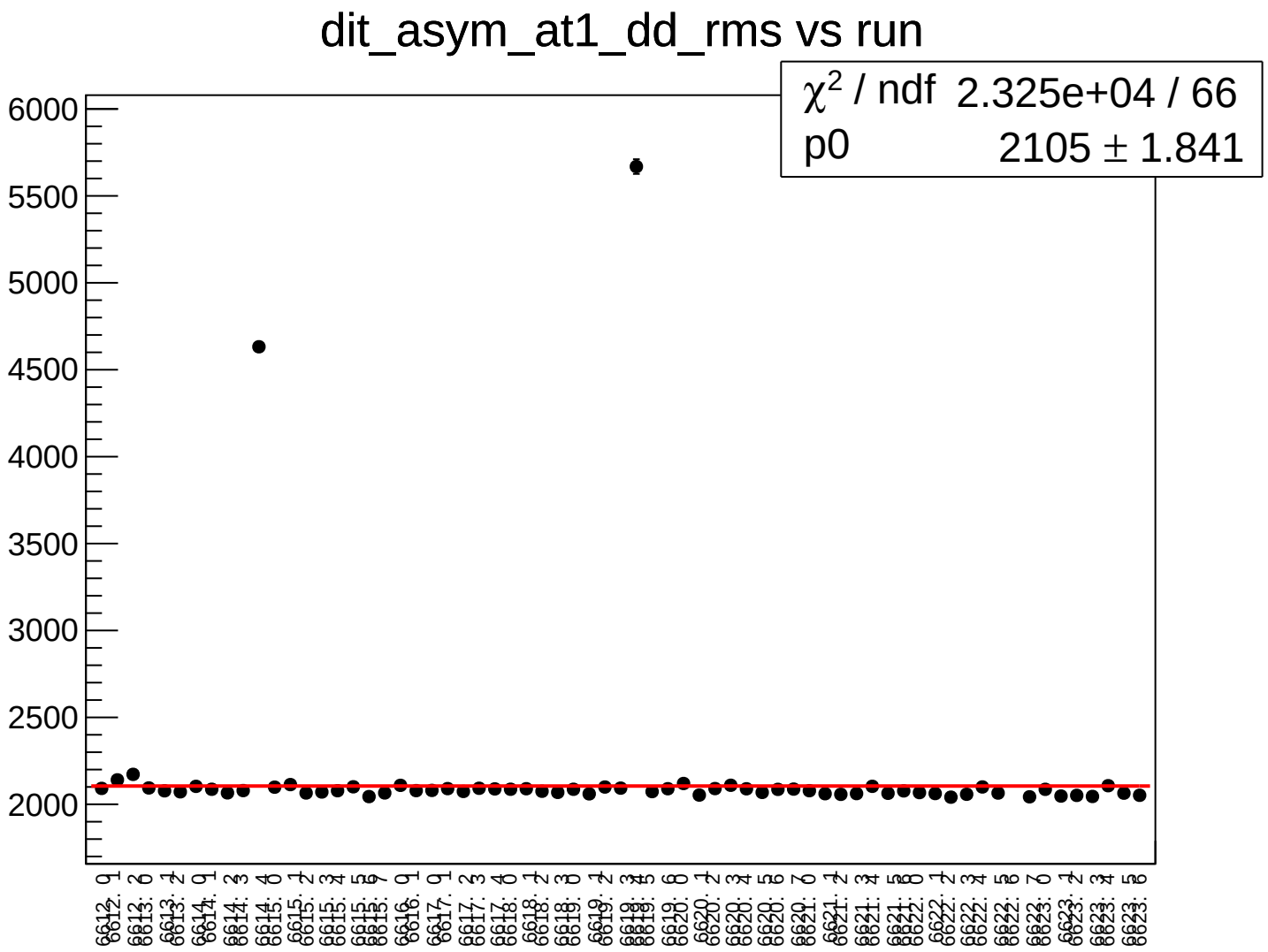

asym_at1_avg_mean vs run
×10^3
χ² / ndf 71.73 / 66
p0 5154 ± 2733
50
0
−50
−100
−150
pull
Entries 67
Mean 66.25
Std Dev 44.36
2
1
0
−1
−2

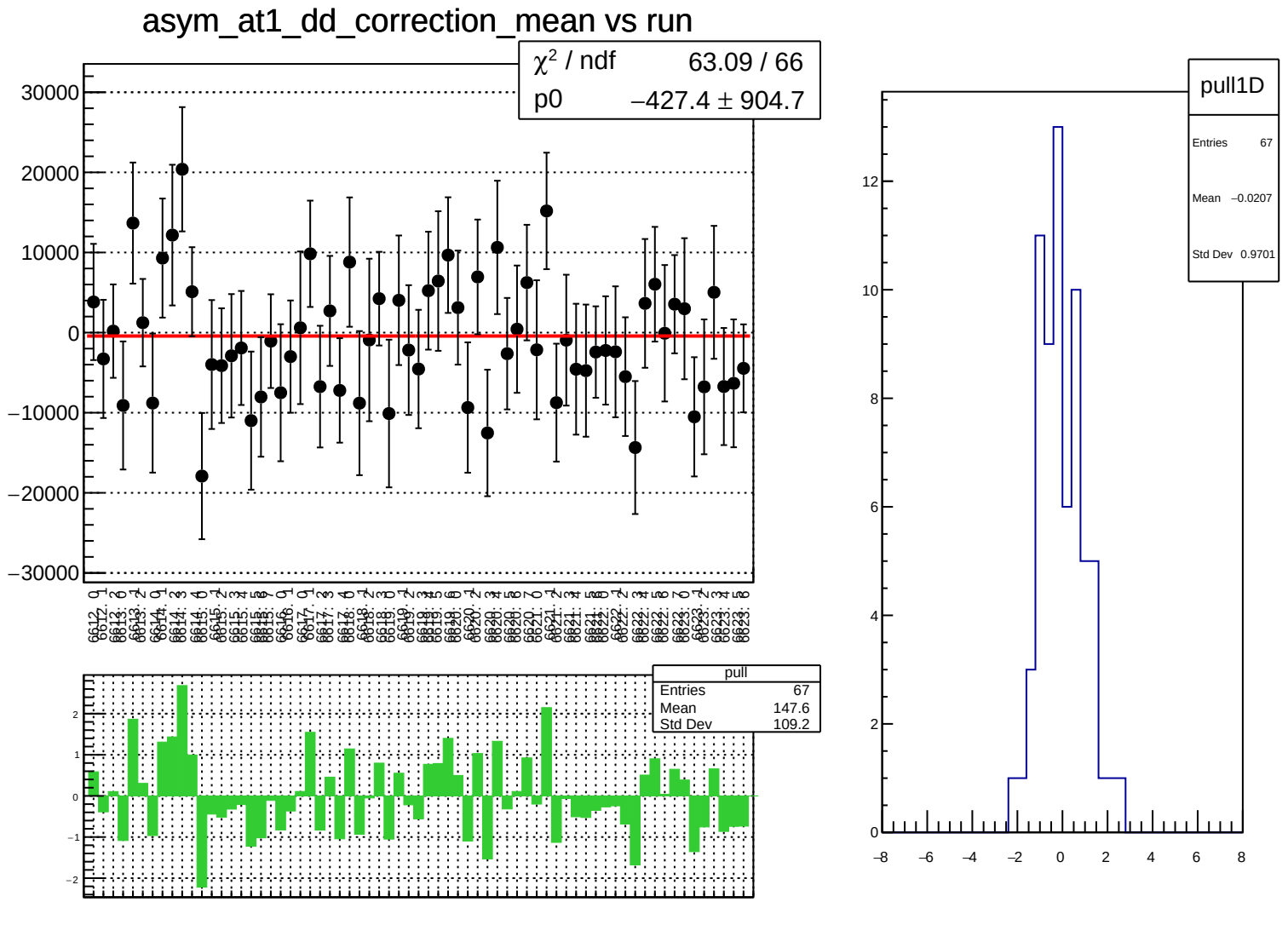

pull1D
Entries 67
Mean −0.03387
Std Dev 1.034
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

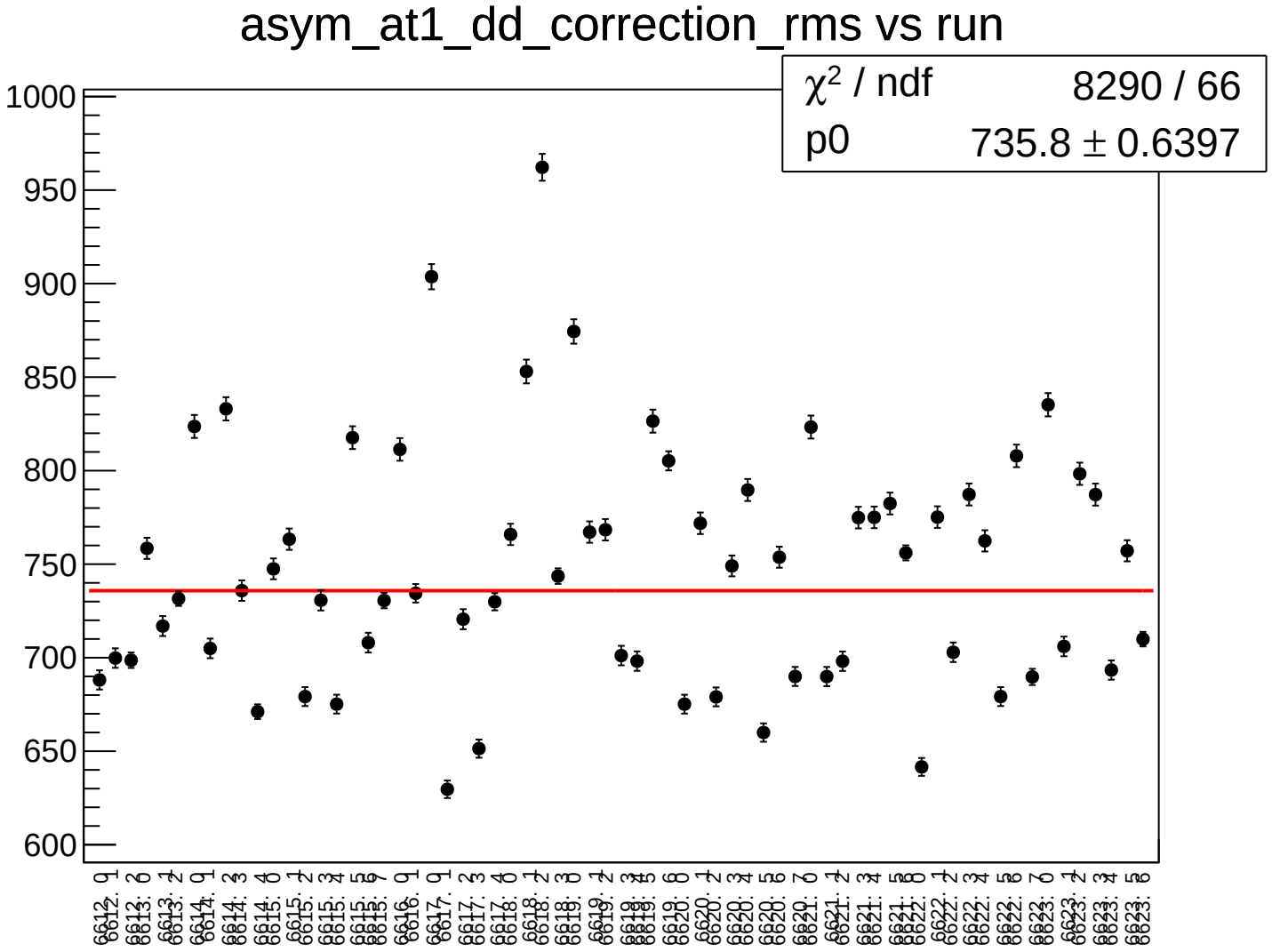

asym_at1_avg_rms vs run
χ^2 / ndf 2.202e+04 / 66
p0 2211 ± 1.932
6000
5500
5000
4500
4000
3500
3000
2500
2000

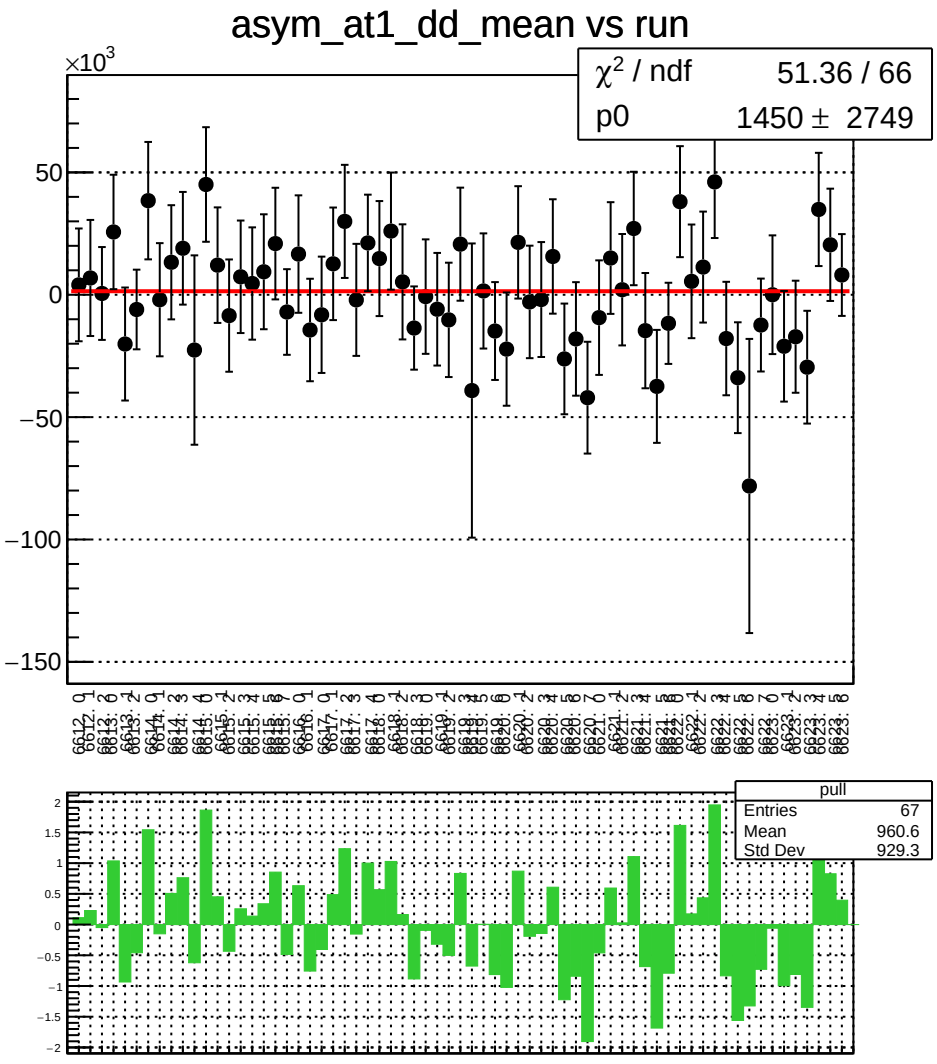

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 50.47 / 66
p0 756.5 ± 2603
pull
Entries 67
Mean 877.5
Std Dev 845.3

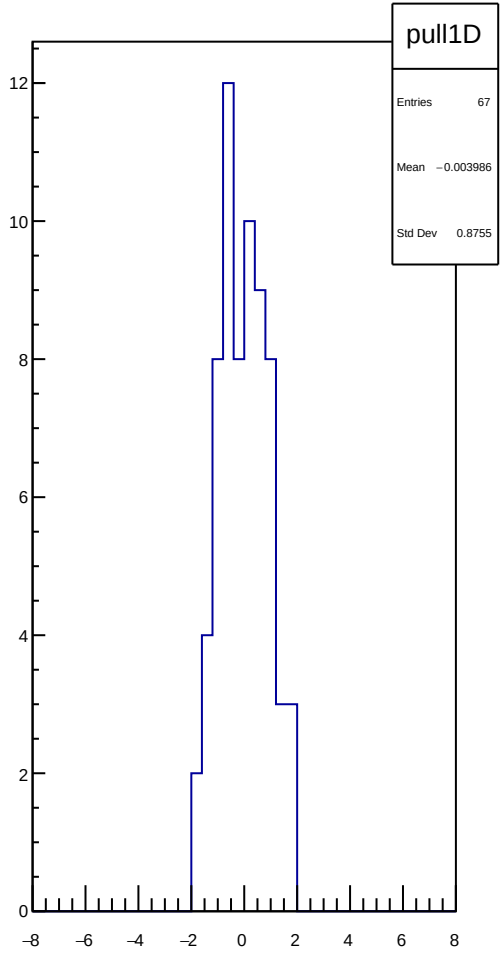

pull1D
Entries 67
Mean −0.005528
Std Dev 0.8679

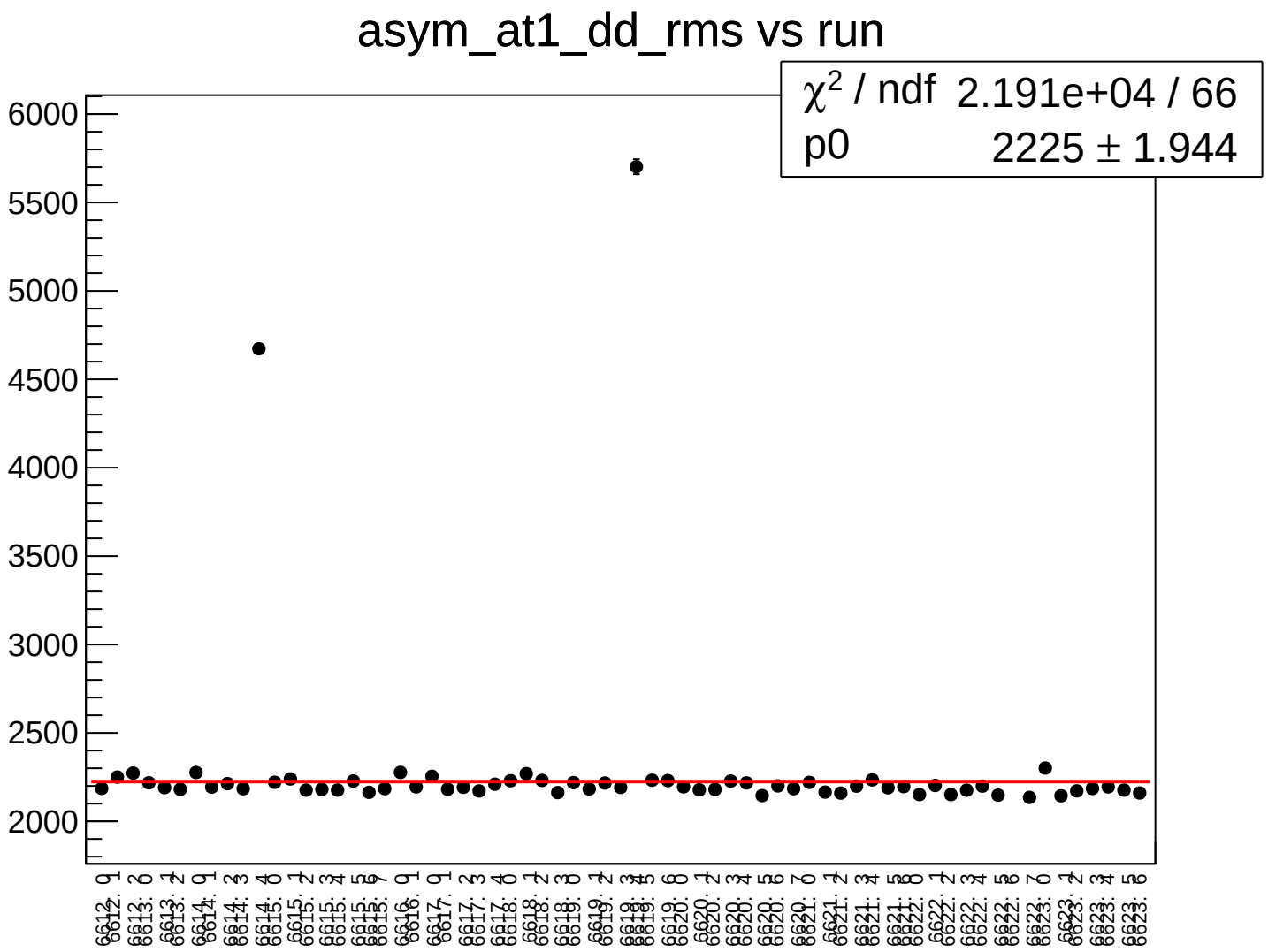

dit_asym_at1_dd_rms vs run
χ² / ndf 2.325e+04 / 66
p0 2105 ± 1.841
6000
5500
5000
4500
4000
3500
3000
2500
2000

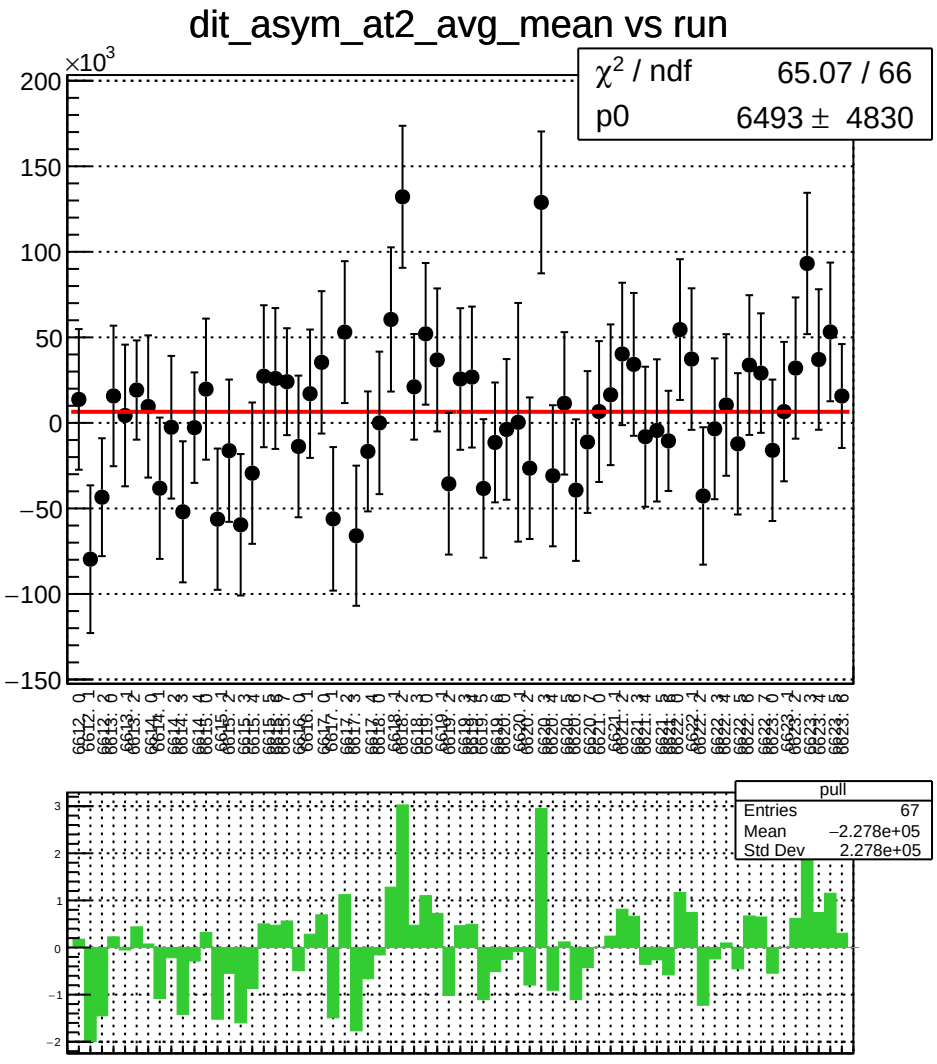

asym_at1_dd_correction_mean vs run
χ² / ndf 63.09 / 66
p0 −427.4 ± 904.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean 147.6
Std Dev 109.2
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.0207
Std Dev 0.9701
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

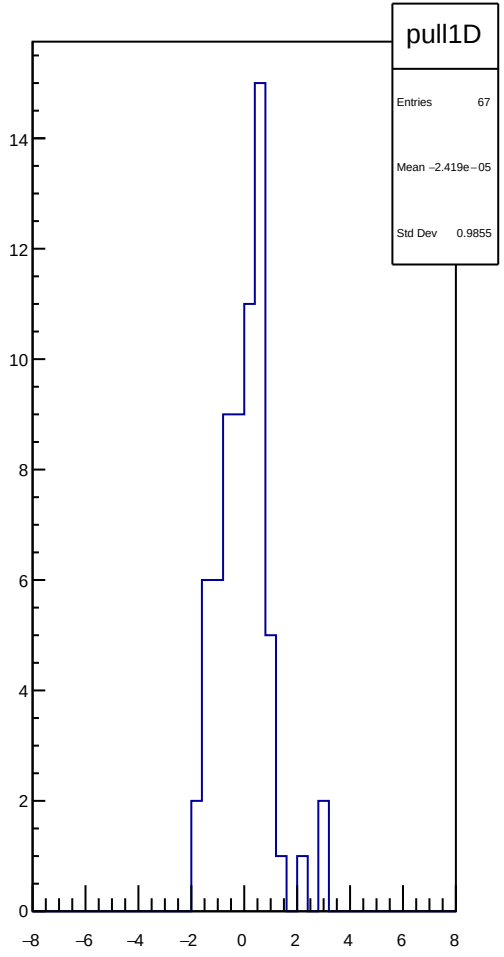

asym_at1_dd_correction_rms vs run
χ² / ndf 8290 / 66
p0 735.8 ± 0.6397
1000
950
900
850
800
750
700
650
600

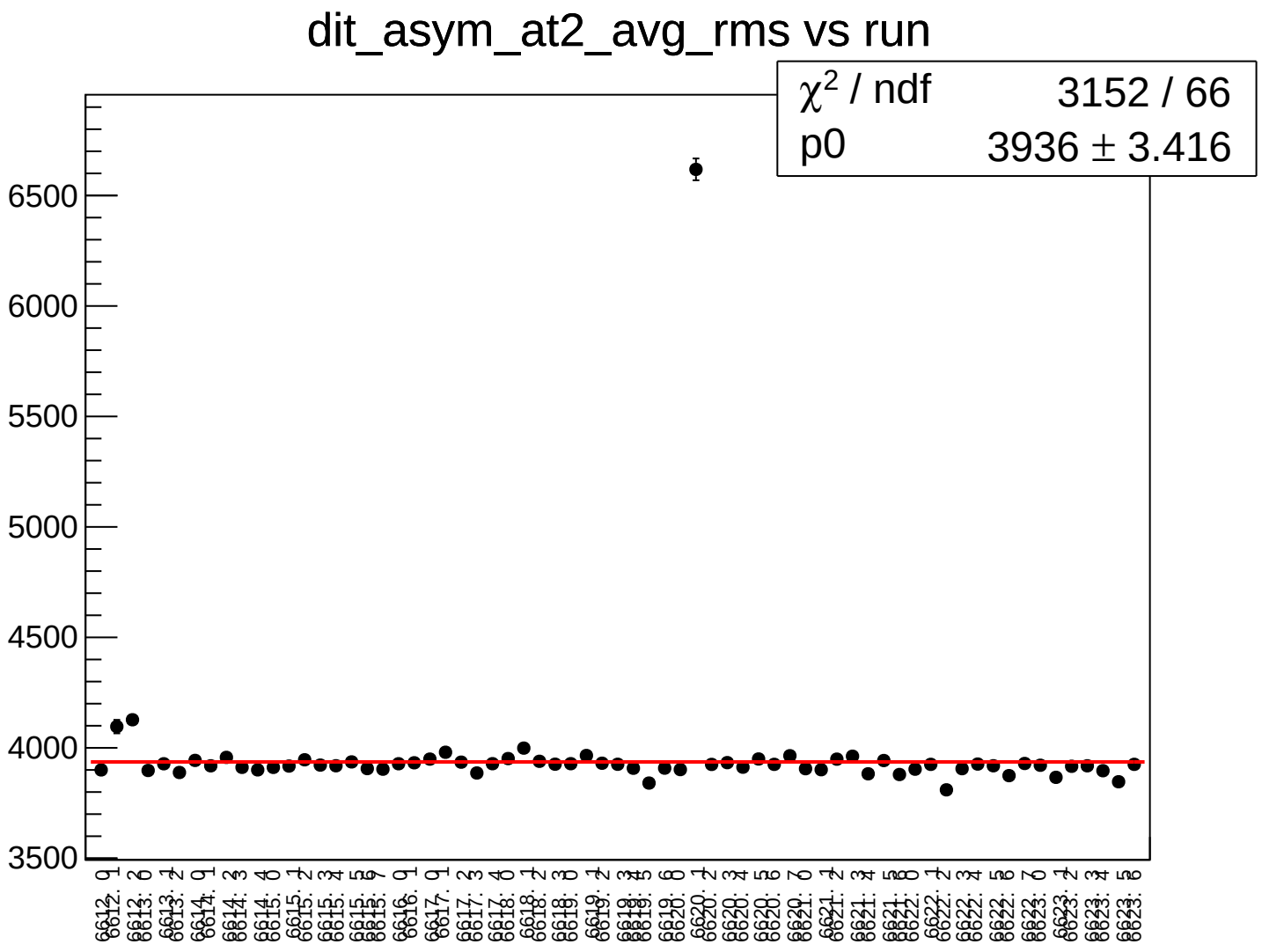

asym_at1_dd_mean vs run
×10^3
χ² / ndf 51.36 / 66
p0 1450 ± 2749
pull
Entries 67
Mean 960.6
Std Dev 929.3

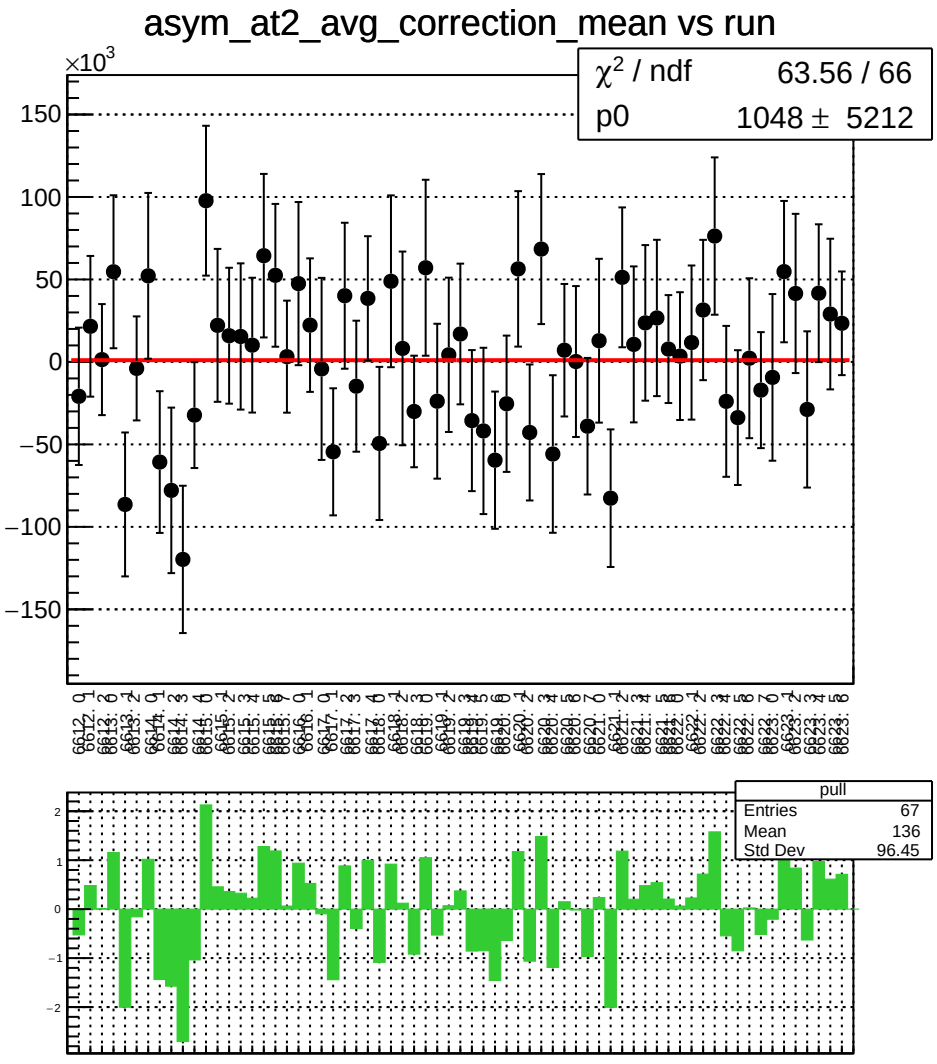

pull1D
Entries 67
Mean −0.003986
Std Dev 0.8755

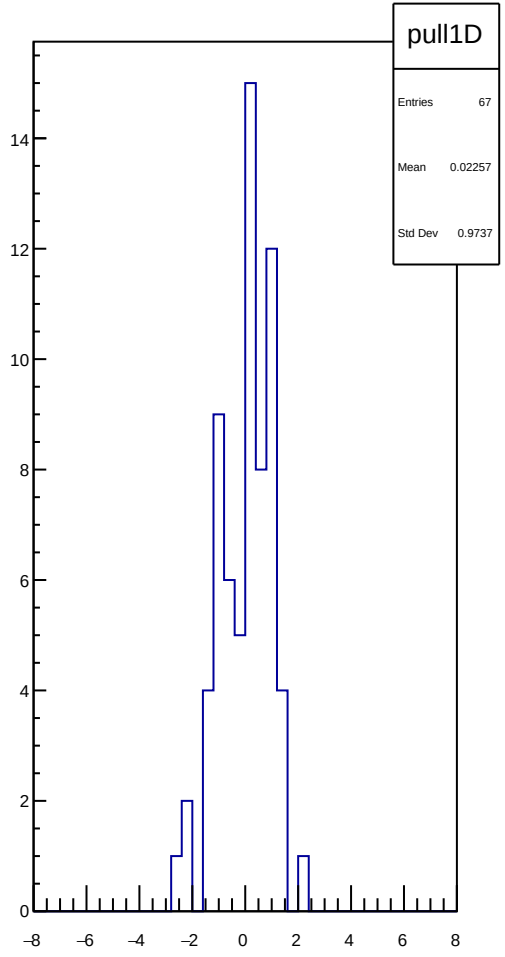

asym_at1_dd_rms vs run
χ^2 / ndf 2.191e+04 / 66
p0 2225 ± 1.944
6000
5500
5000
4500
4000
3500
3000
2500
2000

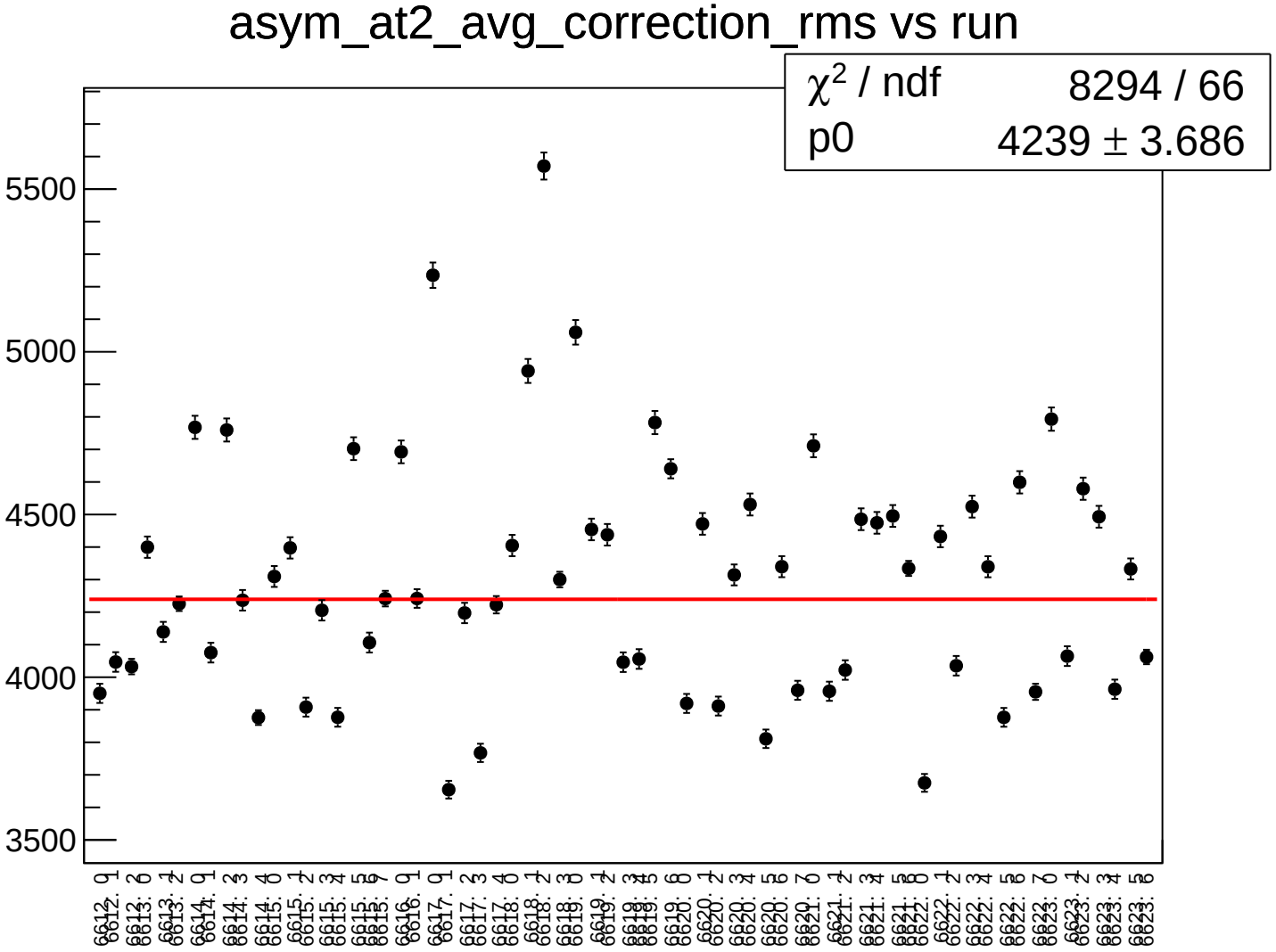

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 65.07 / 66
p0 6493 ± 4830
pull
Entries 67
Mean −2.278e+05
Std Dev 2.278e+05

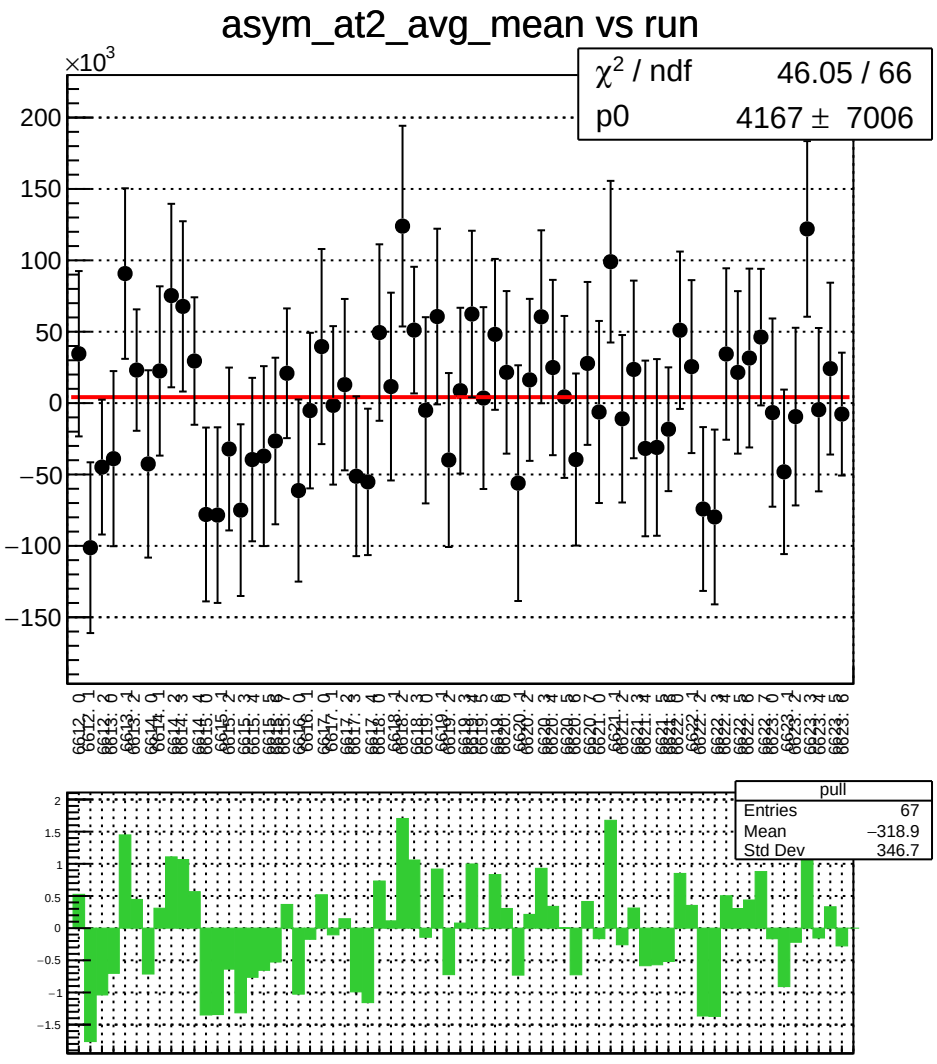

pull1D
Entries 67
Mean −2.419e−05
Std Dev 0.9855

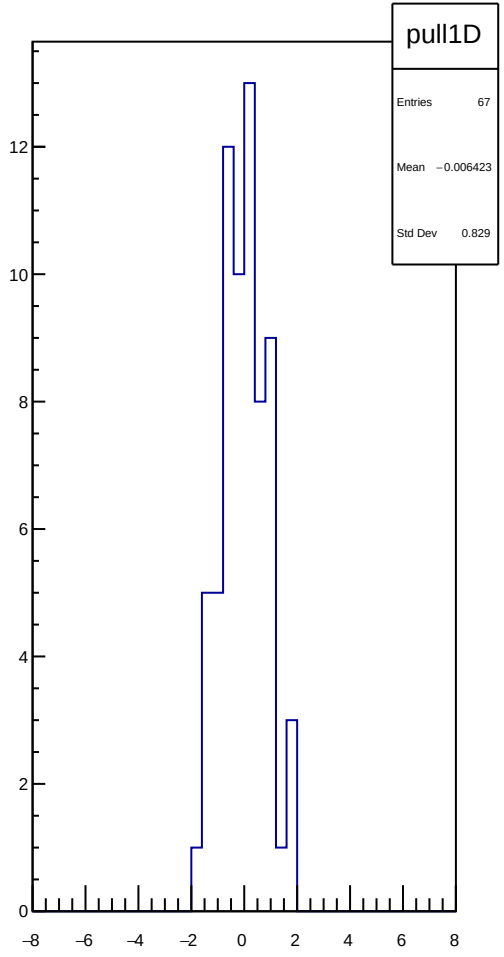

dit_asym_at2_avg_rms vs run
χ2 / ndf 3152 / 66
p0 3936 ± 3.416
6500
6000
5500
5000
4500
4000
3500

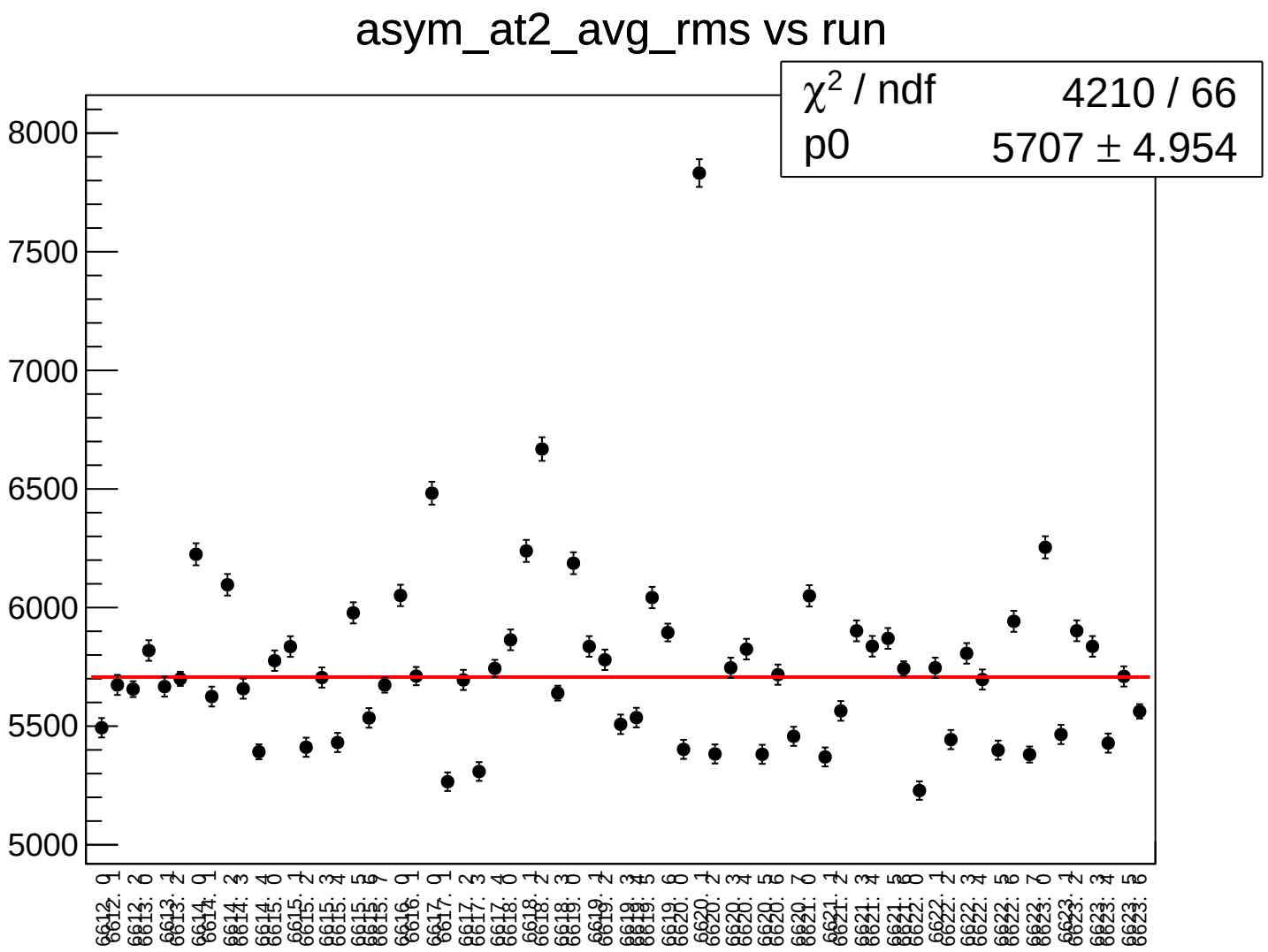

asym_at2_avg_correction_mean vs run
×10^3
χ^2 / ndf 63.56 / 66
p0 1048 ± 5212
pull
Entries 67
Mean 136
Std Dev 96.45

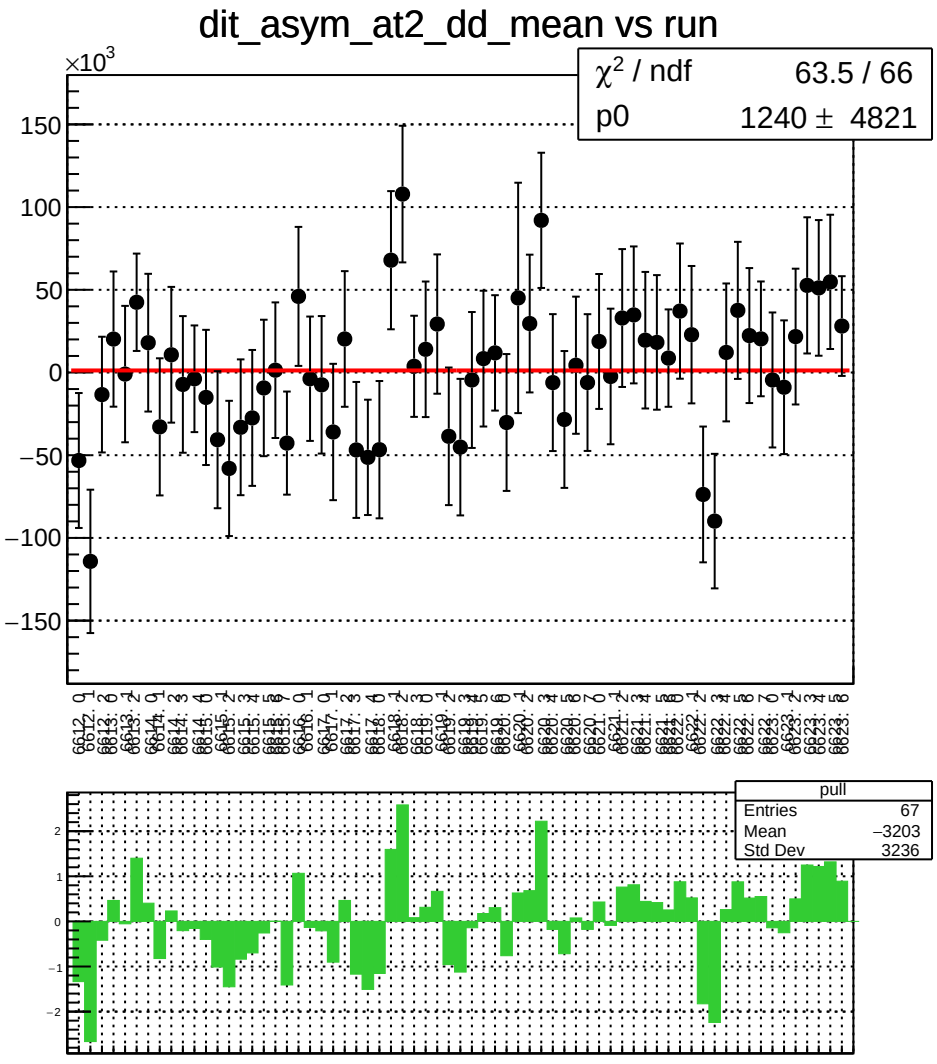

pull1D
Entries 67
Mean 0.02257
Std Dev 0.9737

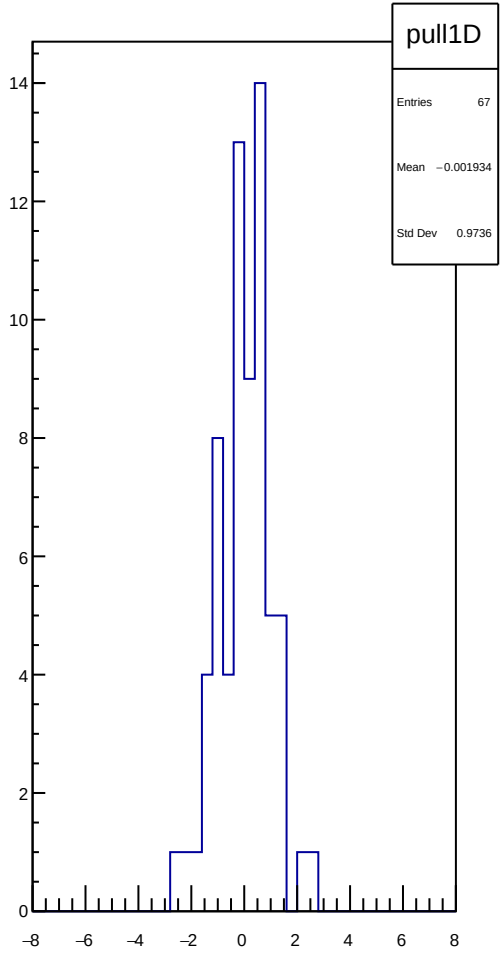

asym_at2_avg_correction_rms vs run
χ^2 / ndf 8294 / 66
p0 4239 ± 3.686
5500
5000
4500
4000
3500


asym_at2_avg_mean vs run
×10^3
χ² / ndf 46.05 / 66
p0 4167 ± 7006
pull
Entries 67
Mean −318.9
Std Dev 346.7

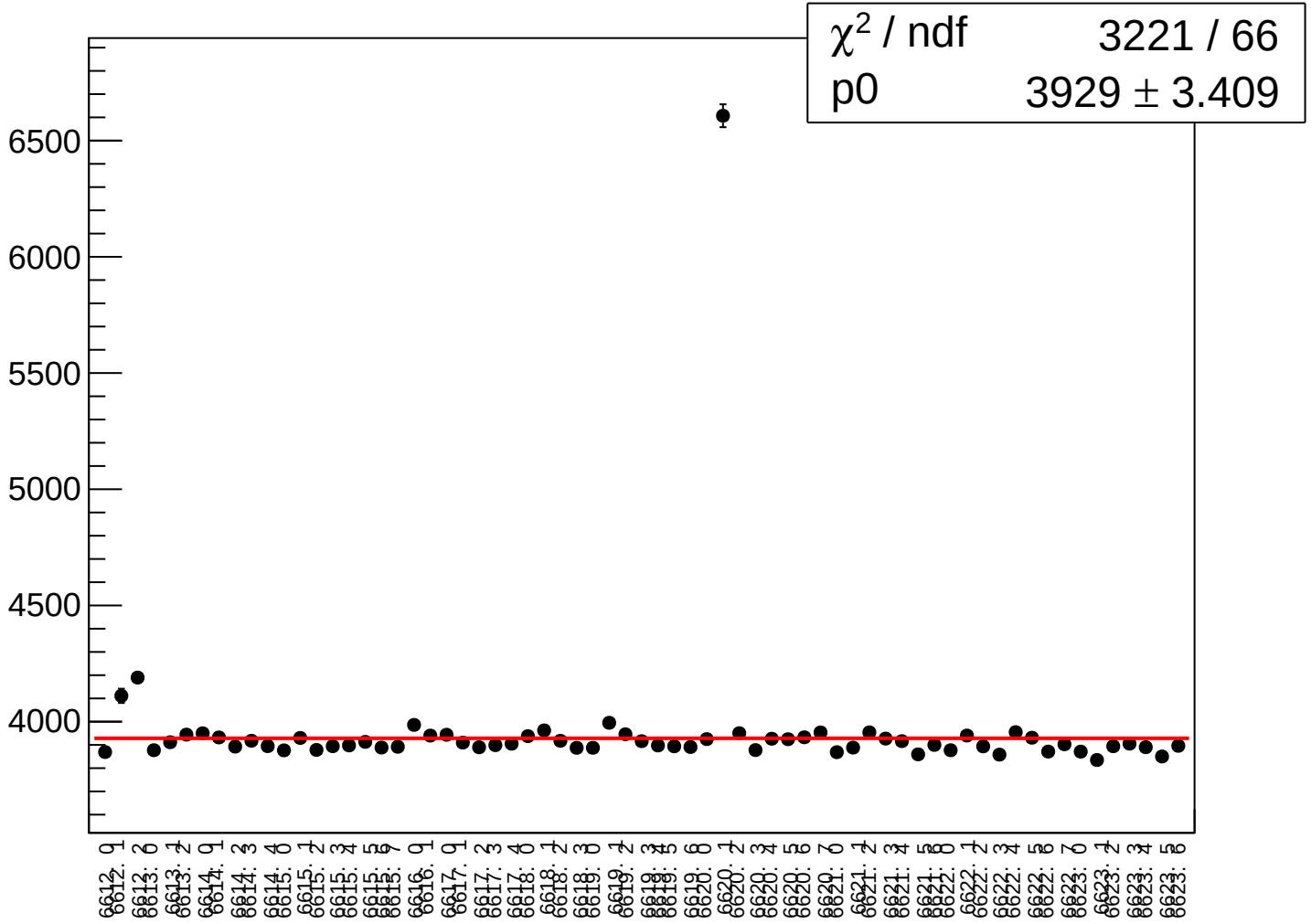

pull1D
Entries 67
Mean −0.006423
Std Dev 0.829

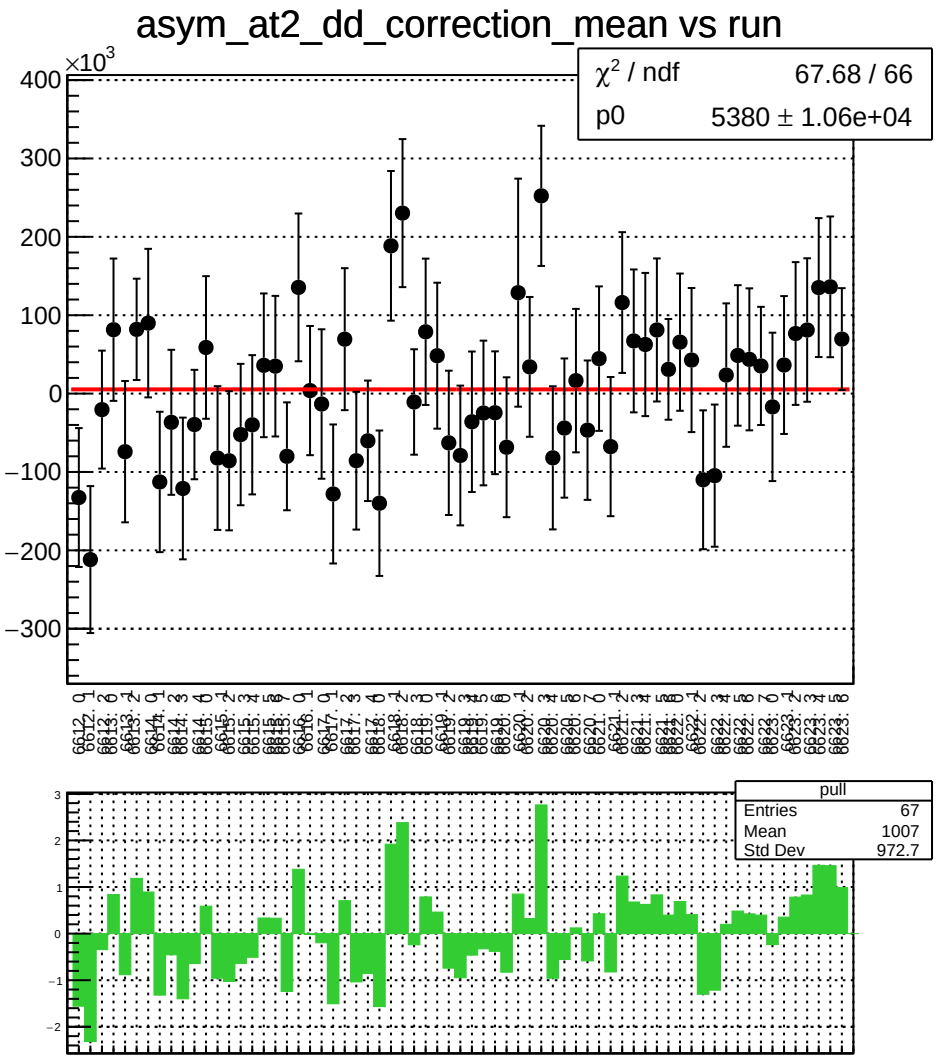

asym_at2_avg_rms vs run
χ² / ndf 4210 / 66
p0 5707 ± 4.954
8000
7500
7000
6500
6000
5500
5000

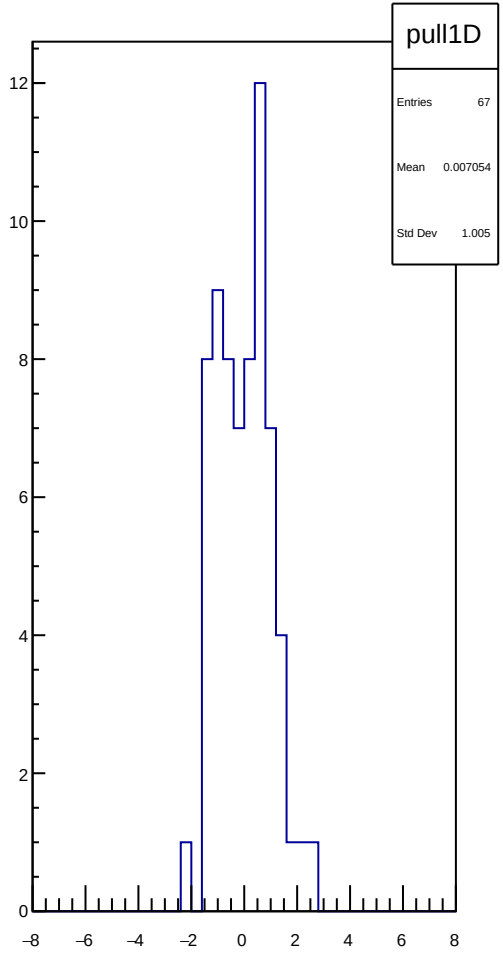

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 63.5 / 66
p0 1240 ± 4821
pull
Entries 67
Mean −3203
Std Dev 3236

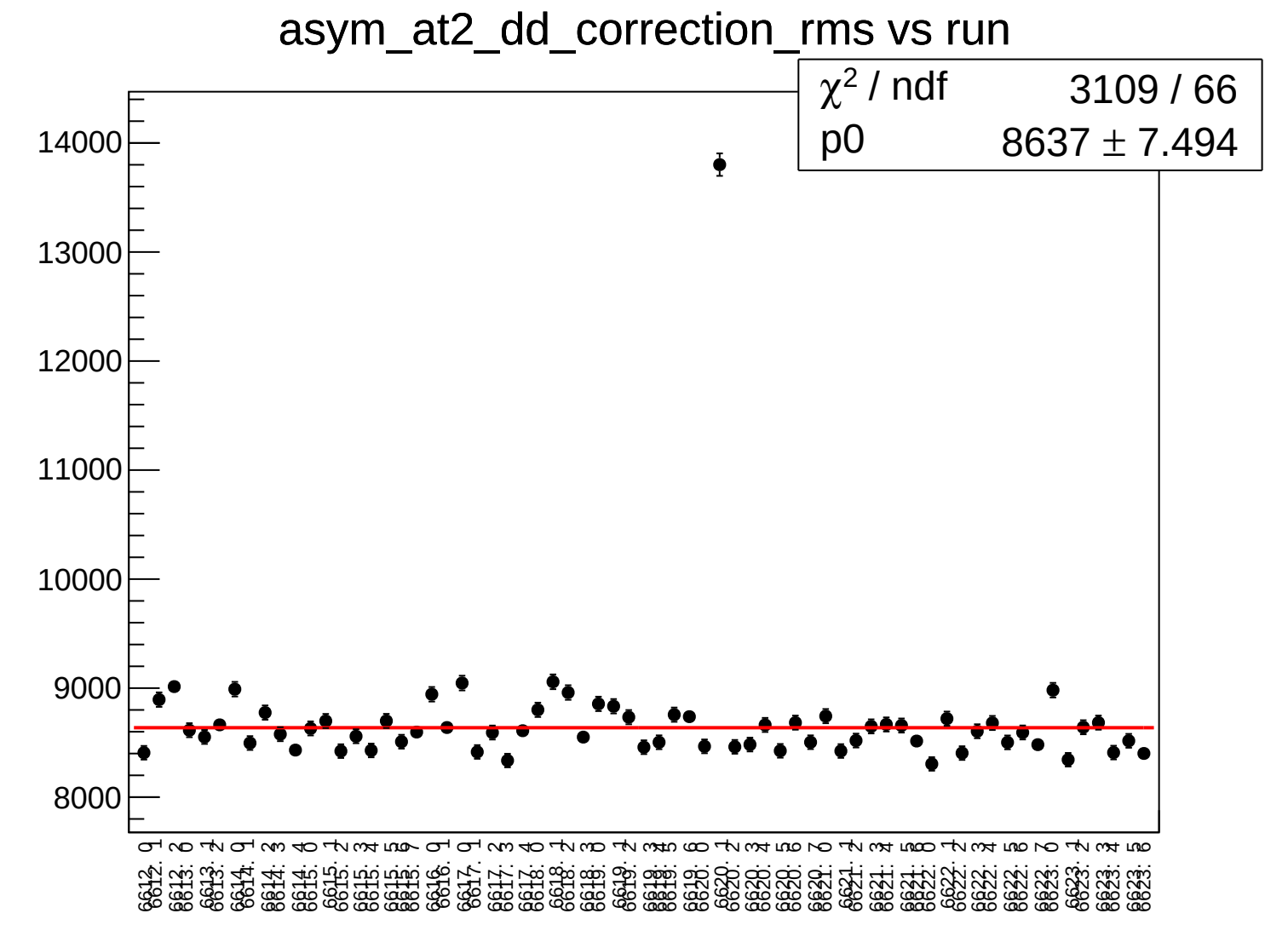

pull1D
Entries 67
Mean −0.001934
Std Dev 0.9736

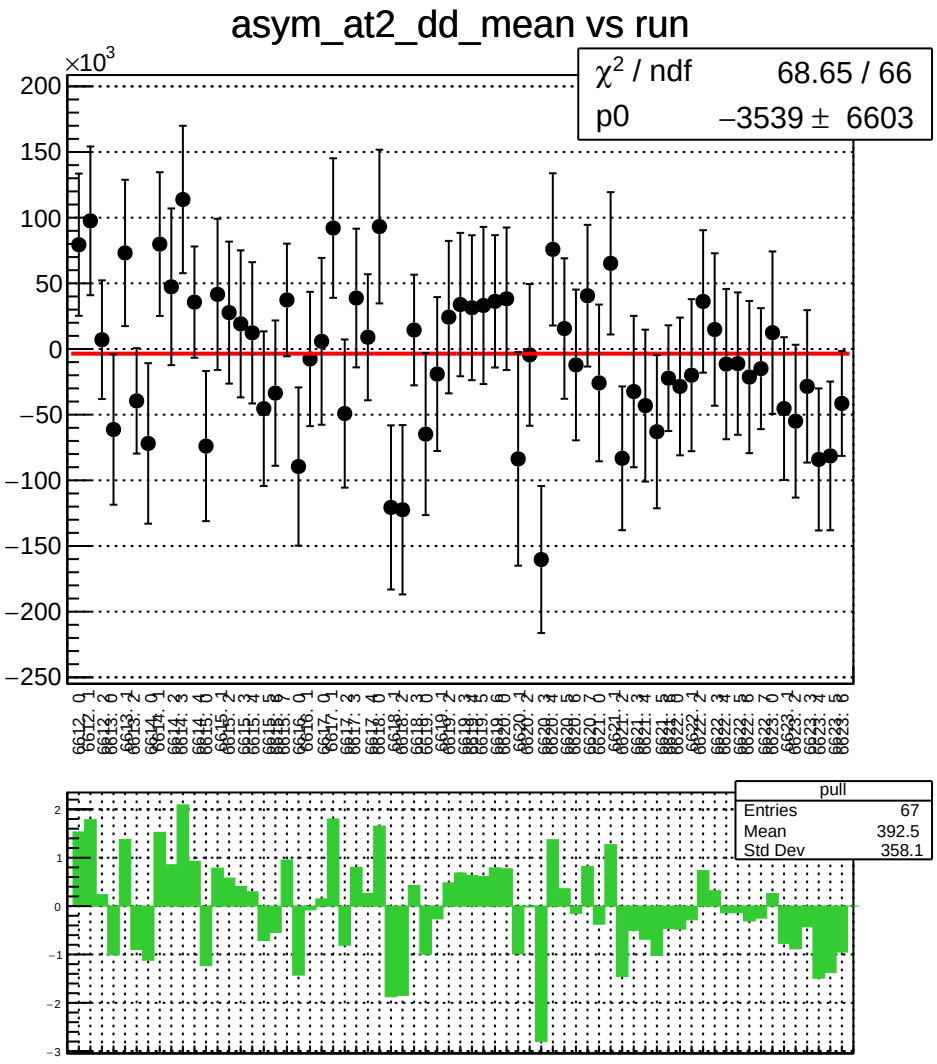
dit_asym_at2_dd_rms vs run

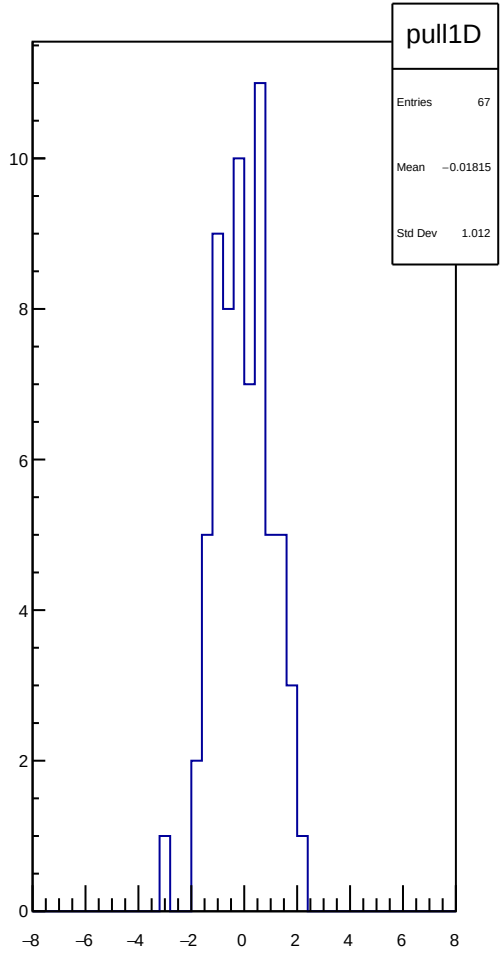


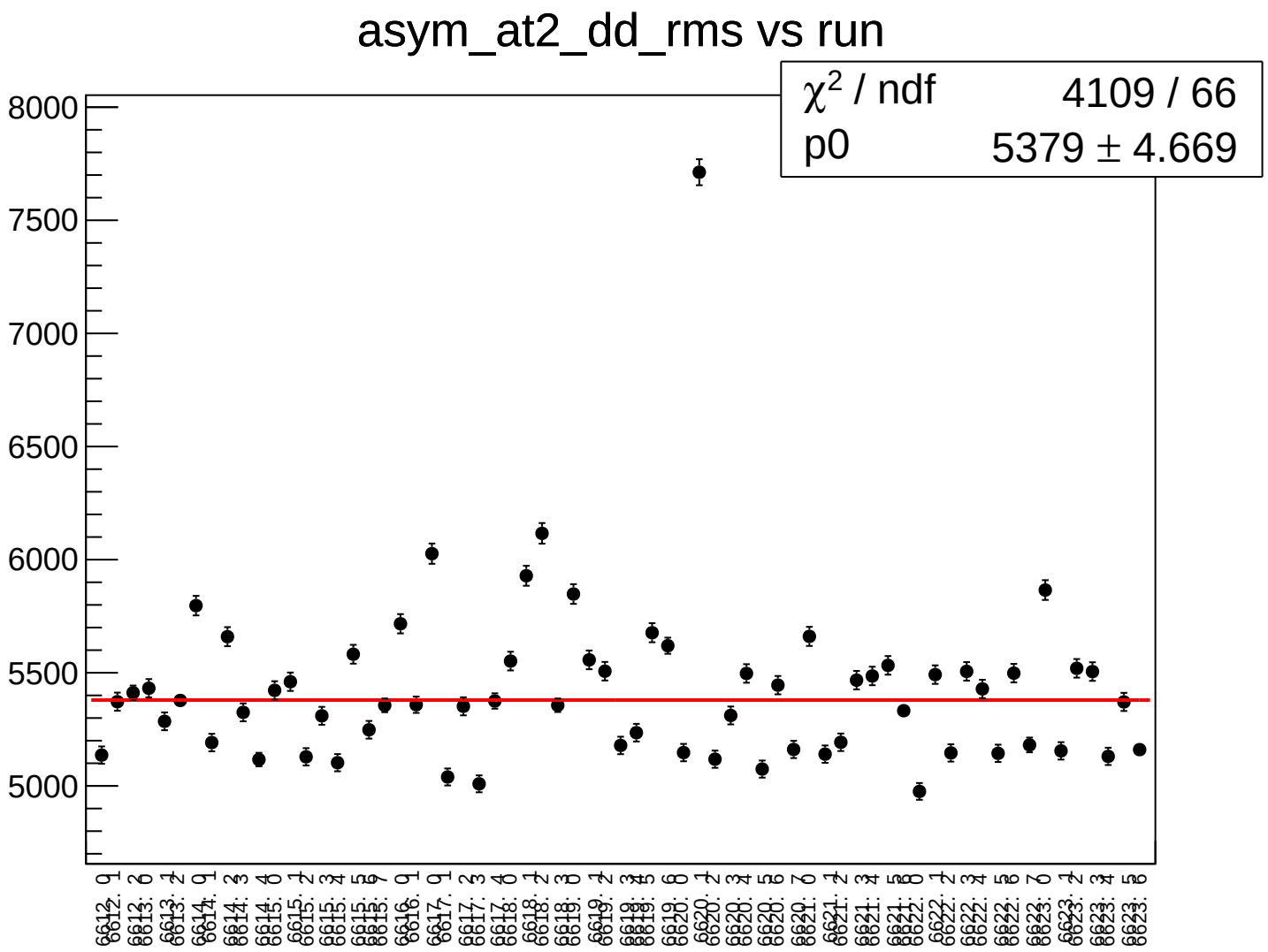

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 67.68 / 66
p0 5380 ± 1.06e+04
pull
Entries 67
Mean 1007
Std Dev 972.7

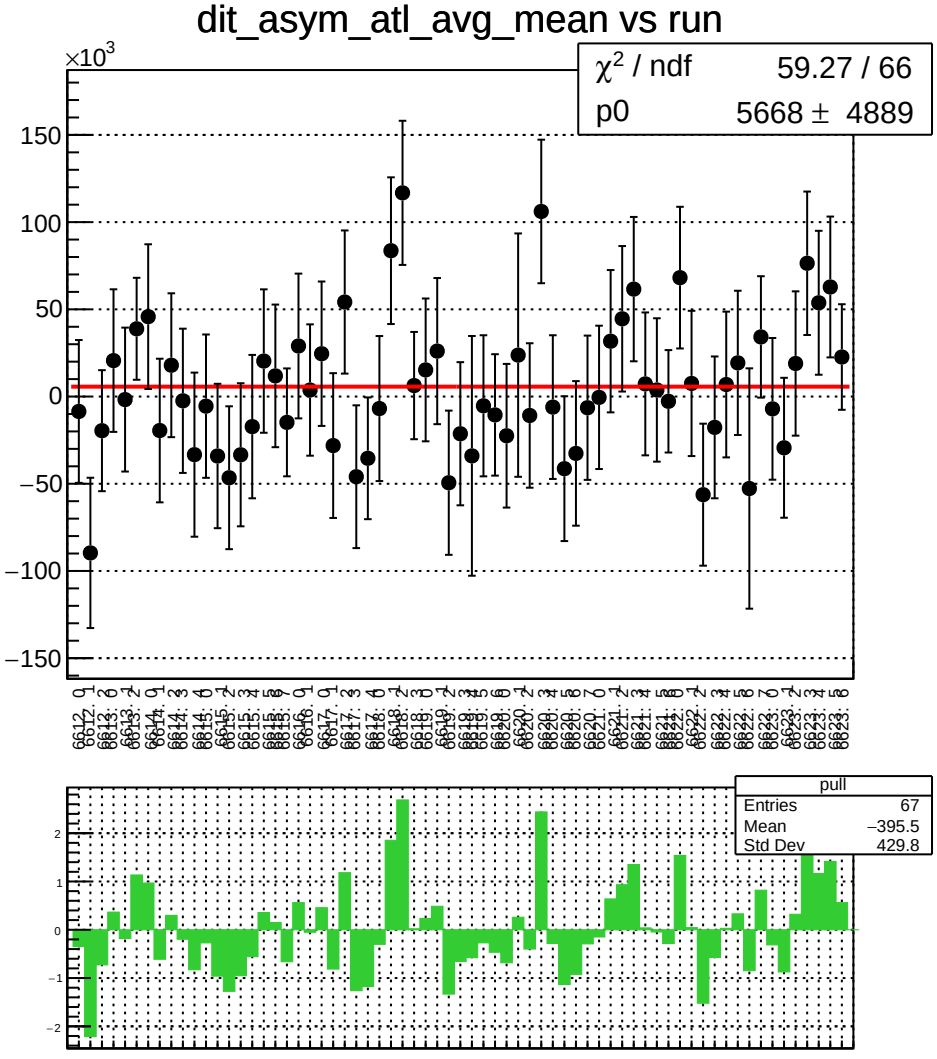

pull1D
Entries 67
Mean 0.007054
Std Dev 1.005

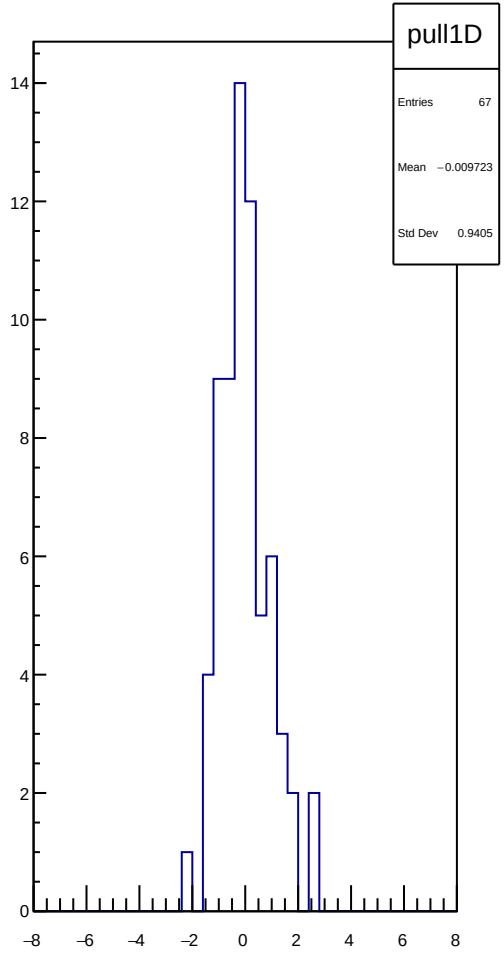

asym_at2_dd_correction_rms vs run
χ^2 / ndf 3109 / 66
p0 8637 ± 7.494
14000
13000
12000
11000
10000
9000
8000

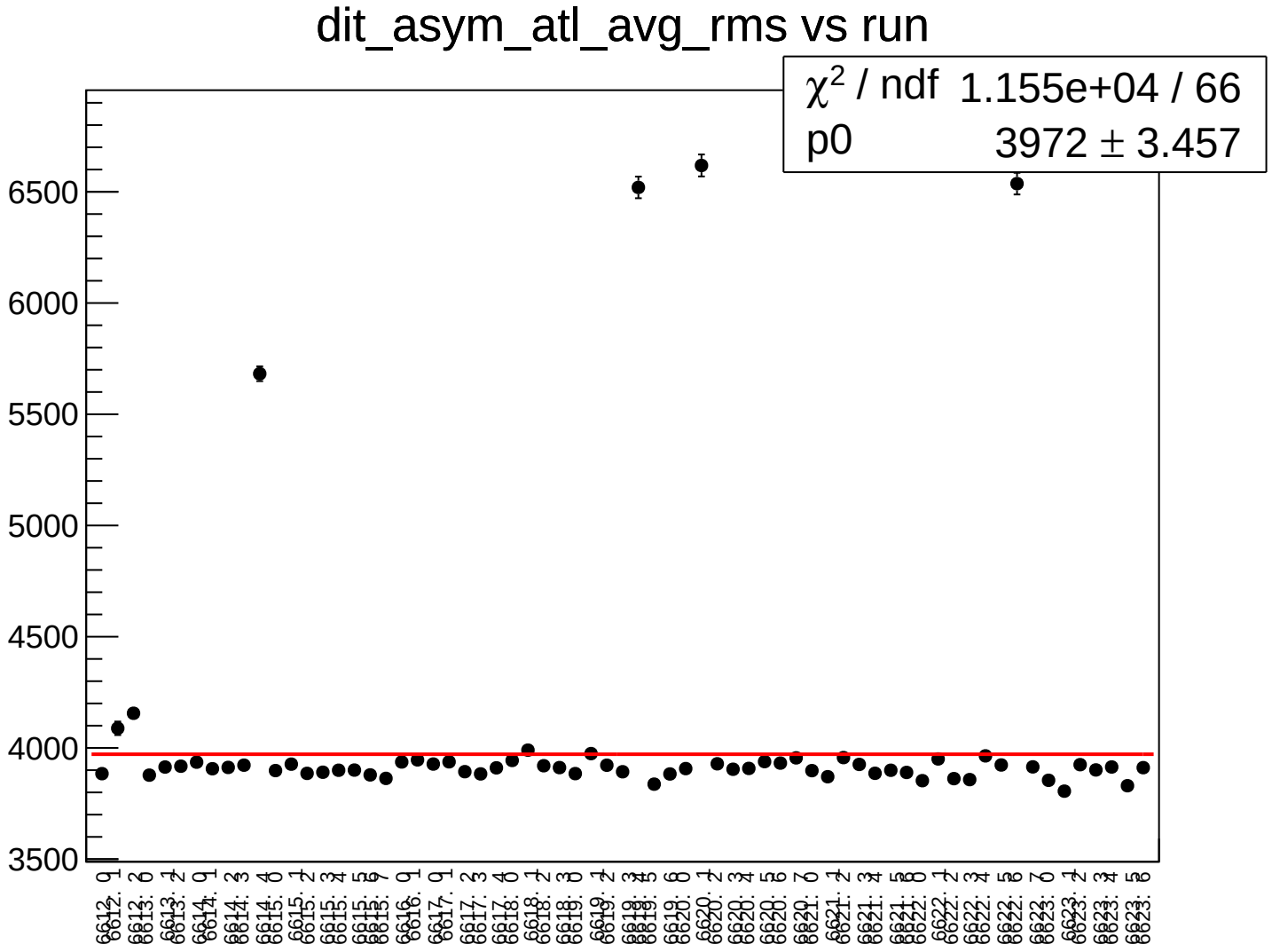

asym_at2_dd_mean vs run
×10^3
χ² / ndf 68.65 / 66
p0 −3539 ± 6603
pull
Entries 67
Mean 392.5
Std Dev 358.1

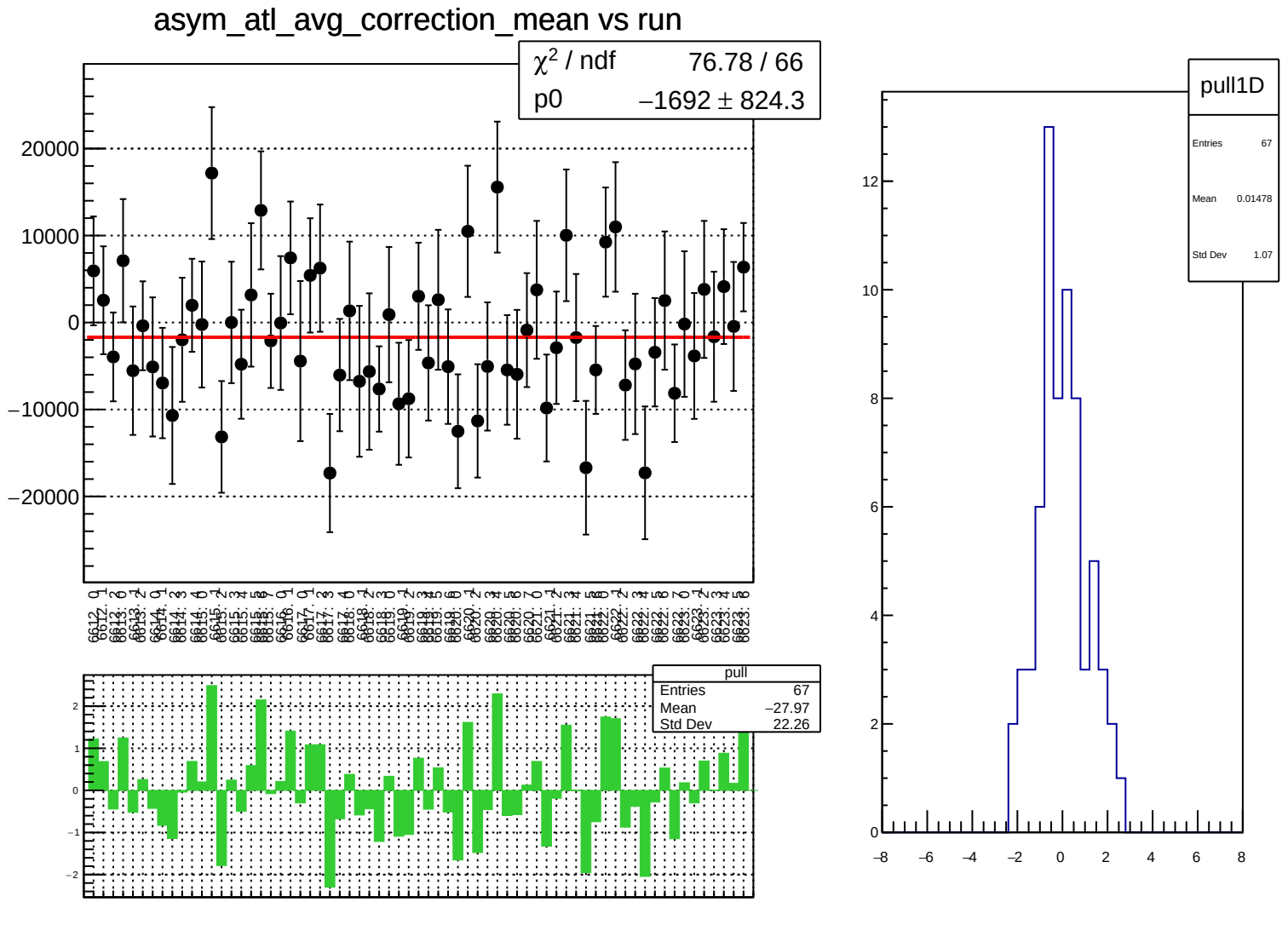

pull1D
Entries 67
Mean −0.01815
Std Dev 1.012

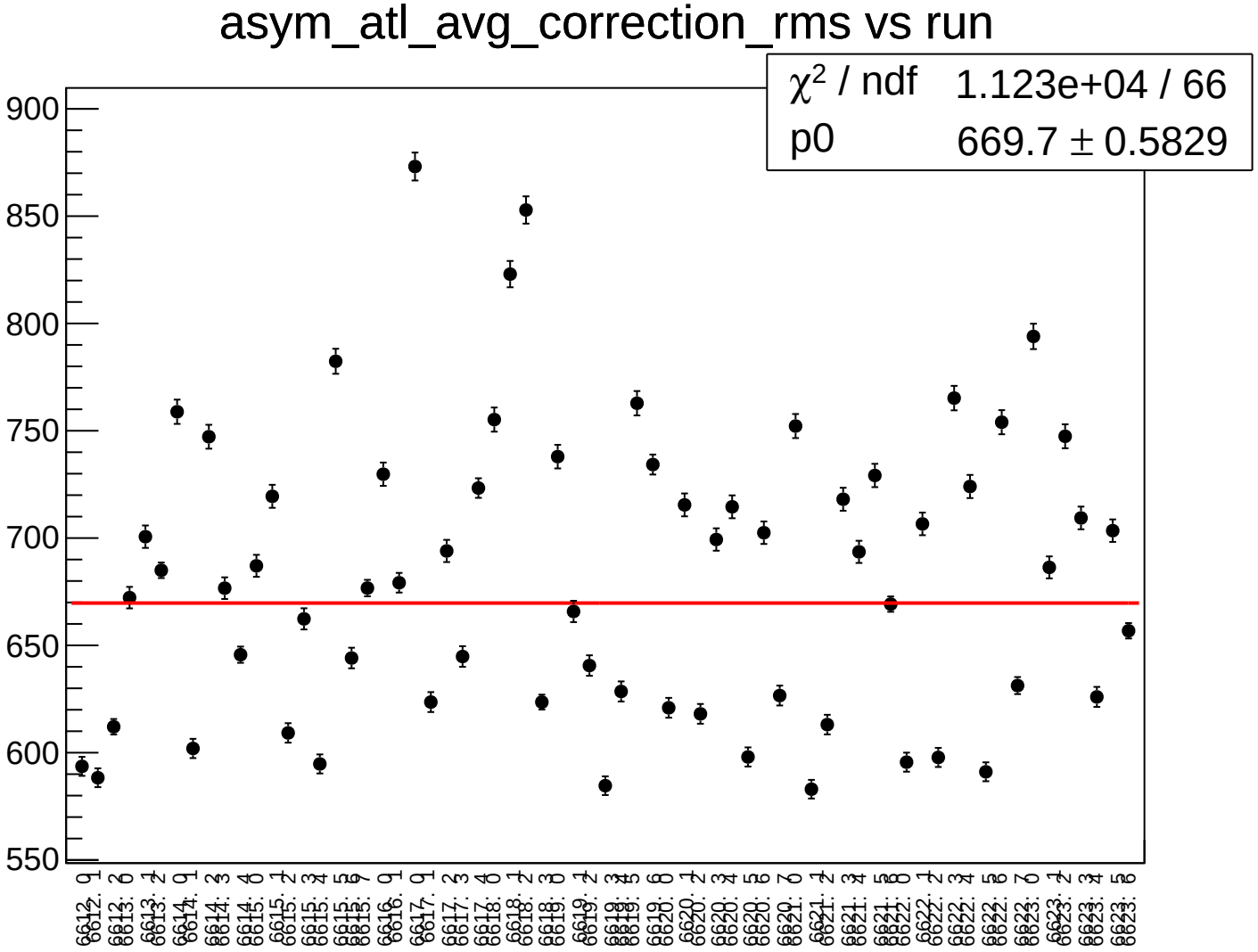

asym_at2_dd_rms vs run
χ² / ndf 4109 / 66
p0 5379 ± 4.669
8000
7500
7000
6500
6000
5500
5000

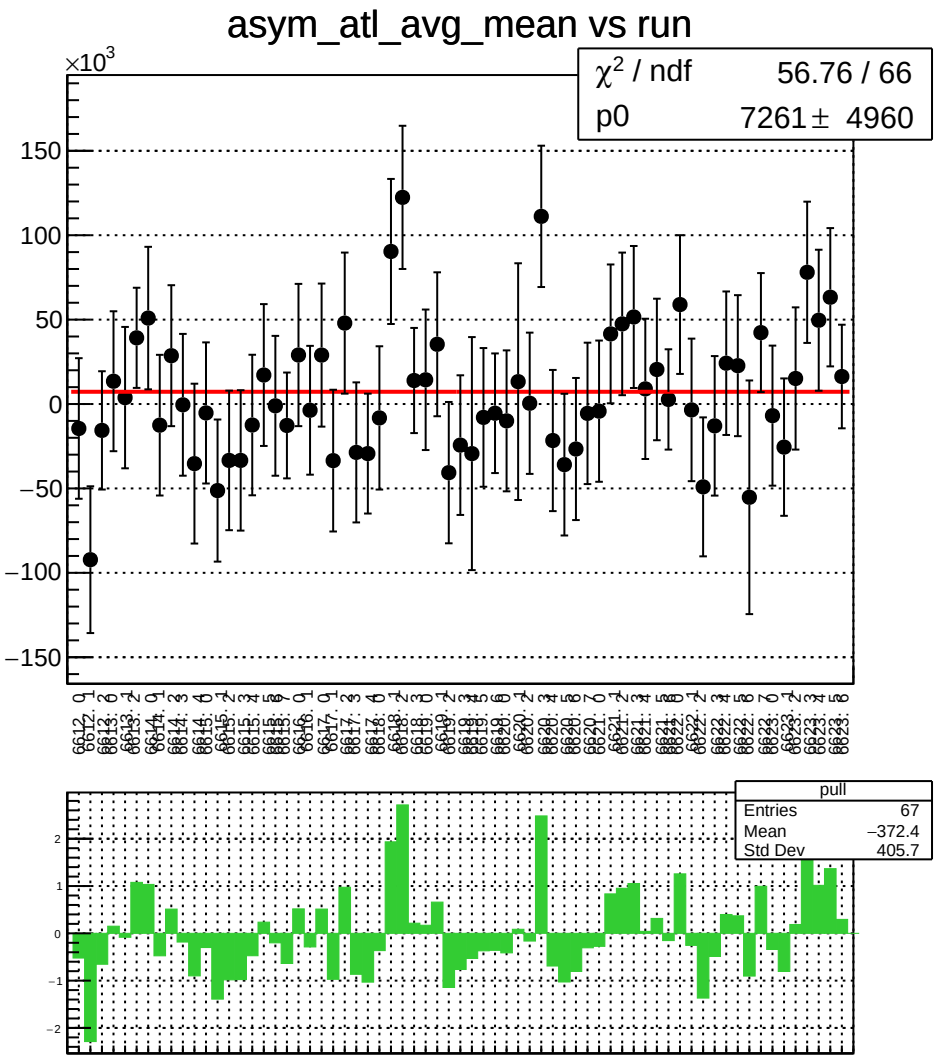

dit_asym_atl_avg_mean vs run
χ^2 / ndf 59.27 / 66
p0 5668 ± 4889
×10^3
pull
Entries 67
Mean −395.5
Std Dev 429.8

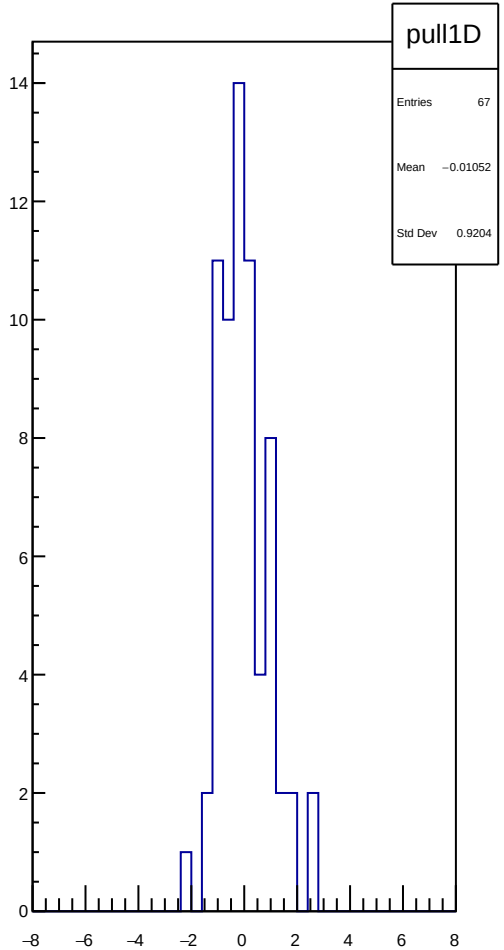

pull1D
Entries 67
Mean −0.009723
Std Dev 0.9405

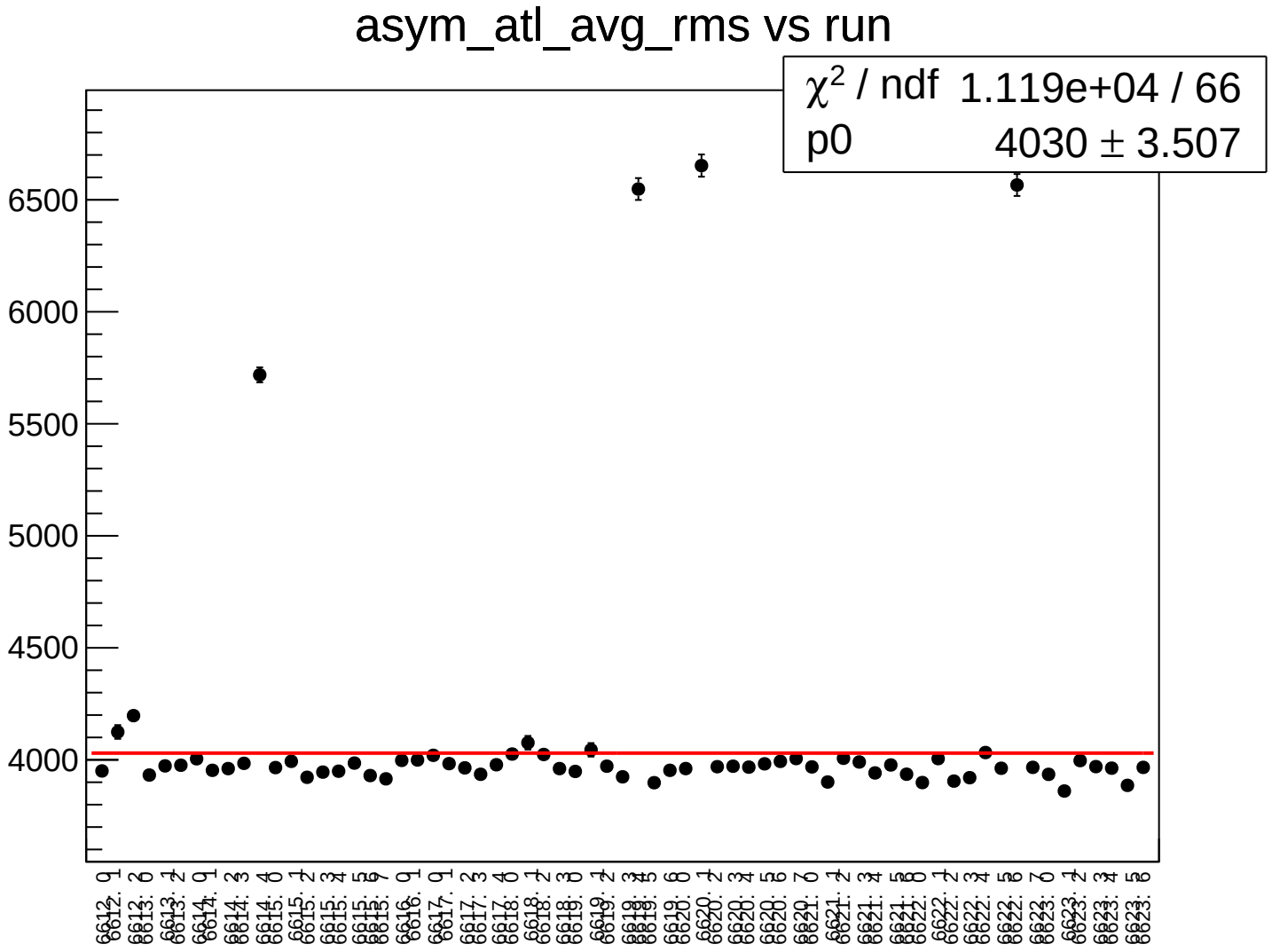

dit_asym_atl_avg_rms vs run
χ² / ndf 1.155e+04 / 66
p0 3972 ± 3.457
6500
6000
5500
5000
4500
4000
3500

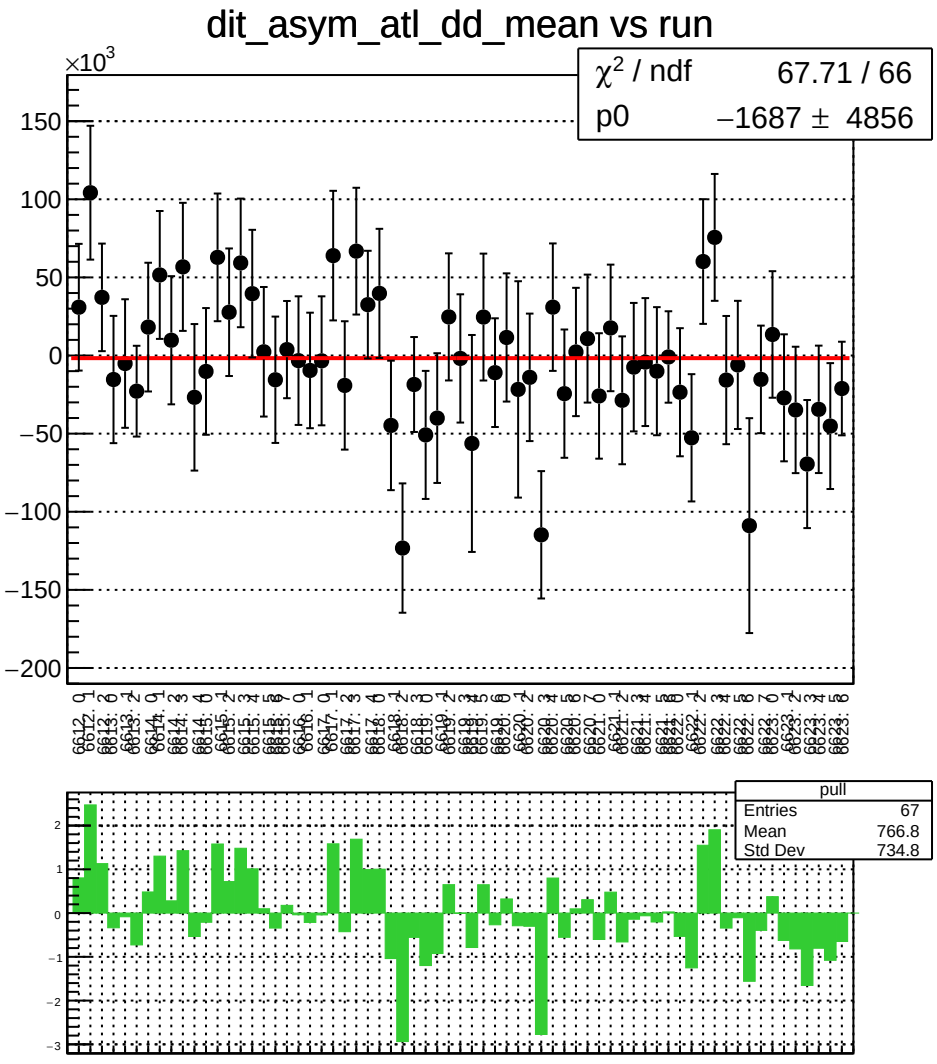

asym_atl_avg_correction_mean vs run
χ² / ndf 76.78 / 66
p0 −1692 ± 824.3
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −27.97
Std Dev 22.26
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.01478
Std Dev 1.07
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

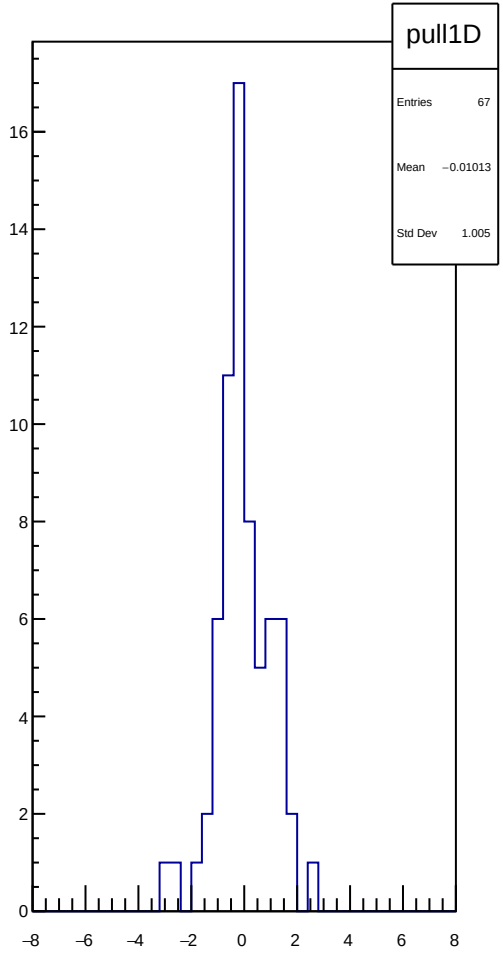

asym_atl_avg_correction_rms vs run
χ^2 / ndf 1.123e+04 / 66
p0 669.7 ± 0.5829
900
850
800
750
700
650
600
550

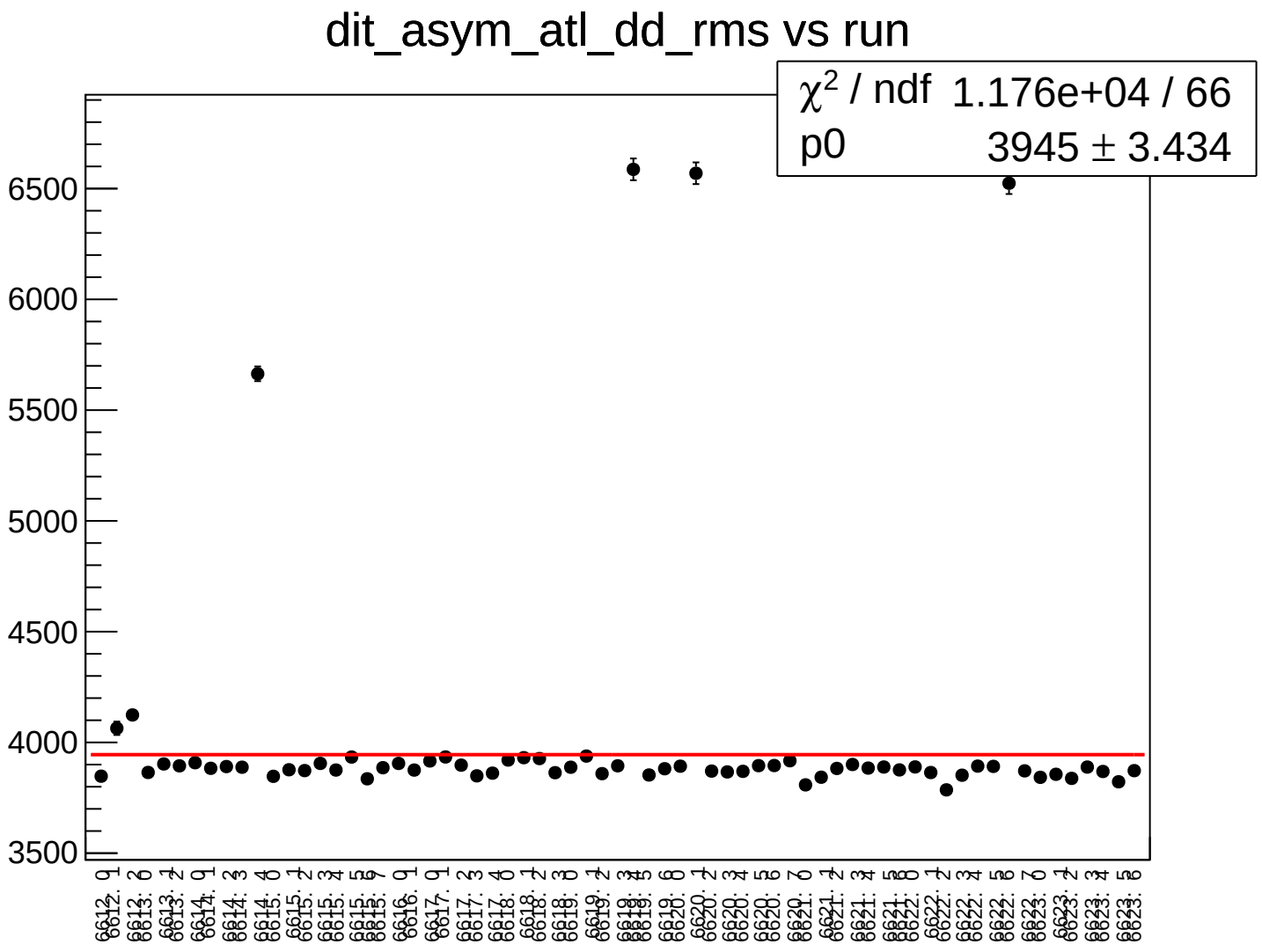

asym_atl_avg_mean vs run
×10^3
χ² / ndf 56.76 / 66
p0 7261 ± 4960
pull
Entries 67
Mean −372.4
Std Dev 405.7

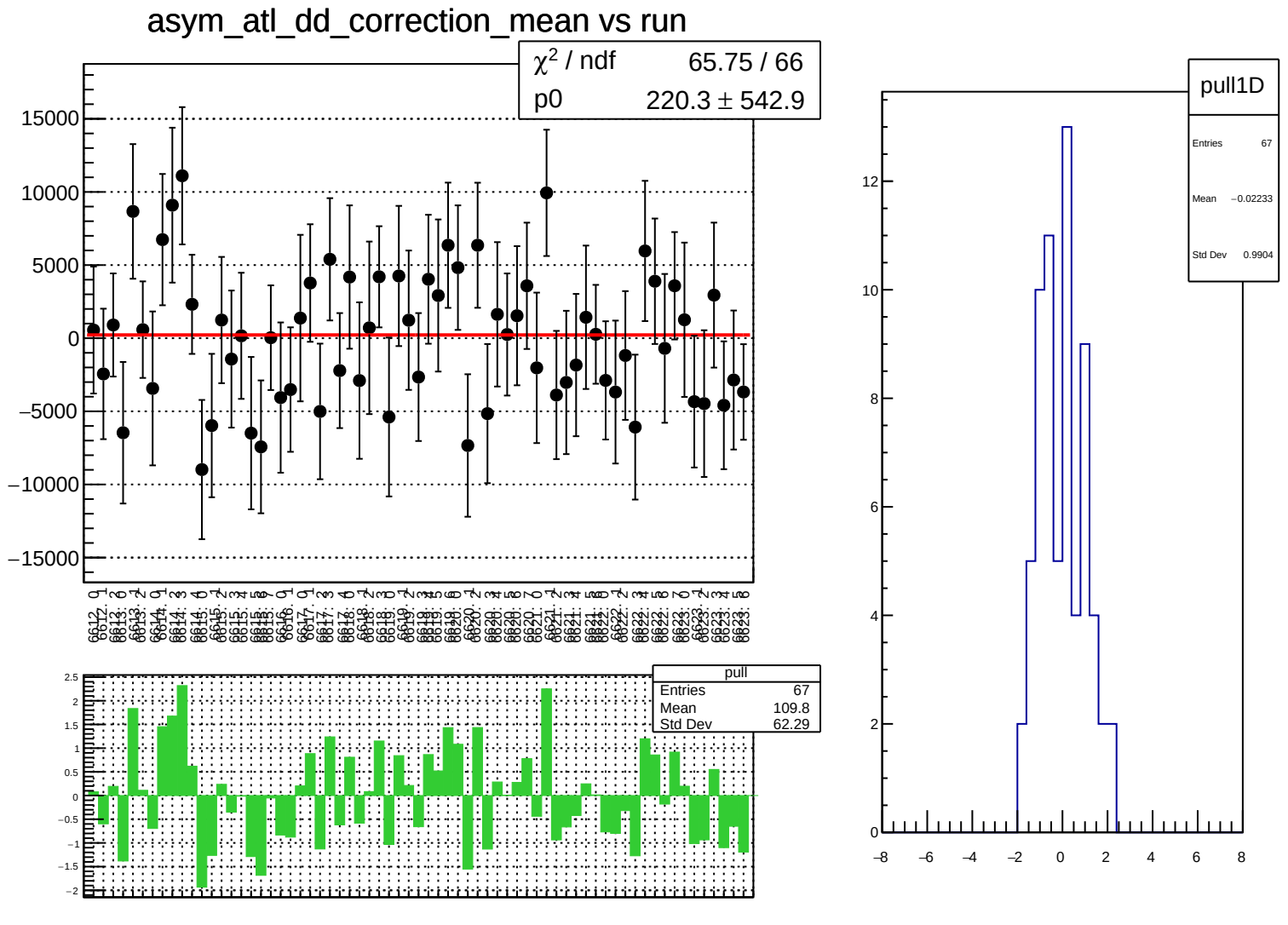

pull1D
Entries 67
Mean −0.01052
Std Dev 0.9204

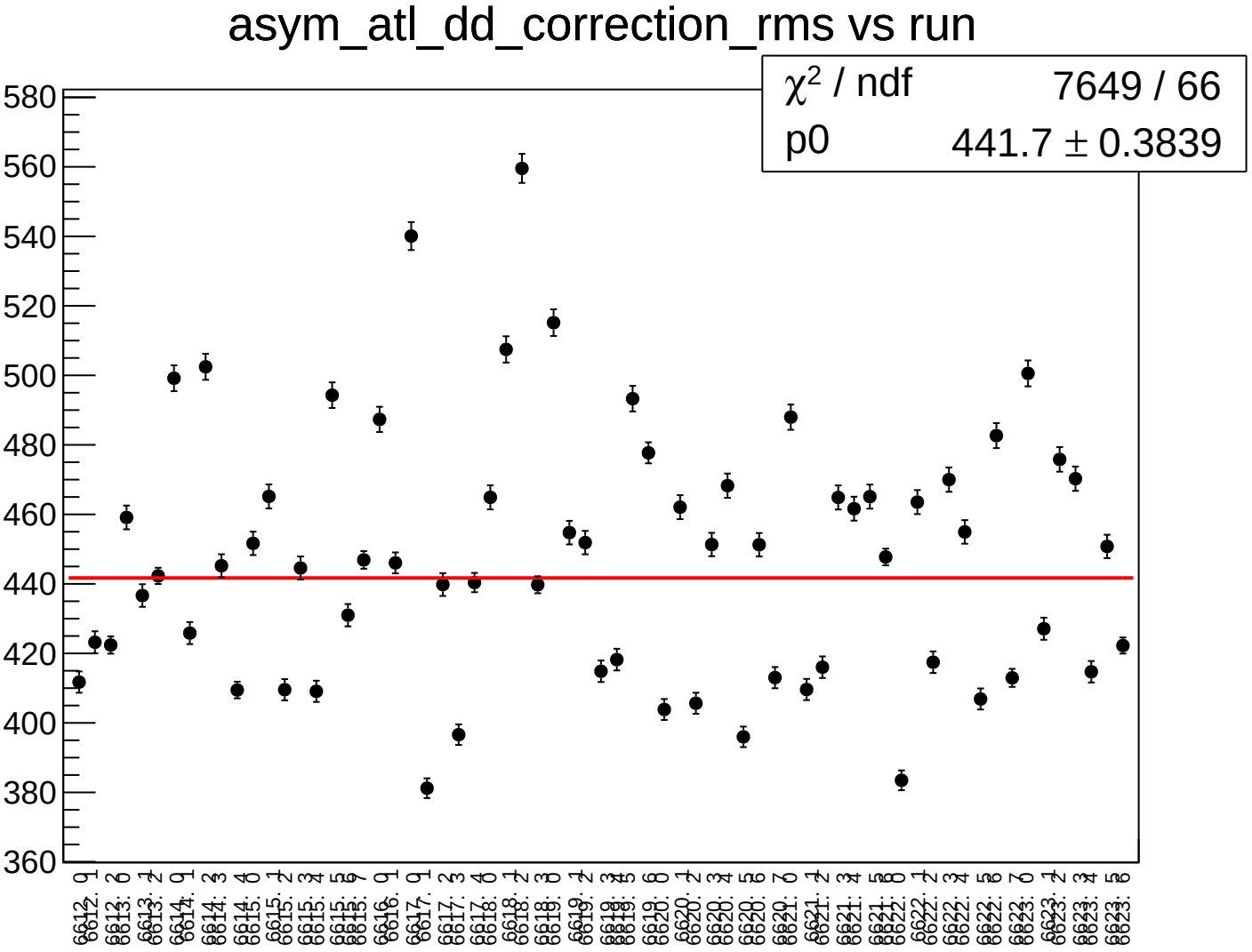

asym_atl_avg_rms vs run
χ² / ndf 1.119e+04 / 66
p0 4030 ± 3.507
6500
6000
5500
5000
4500
4000

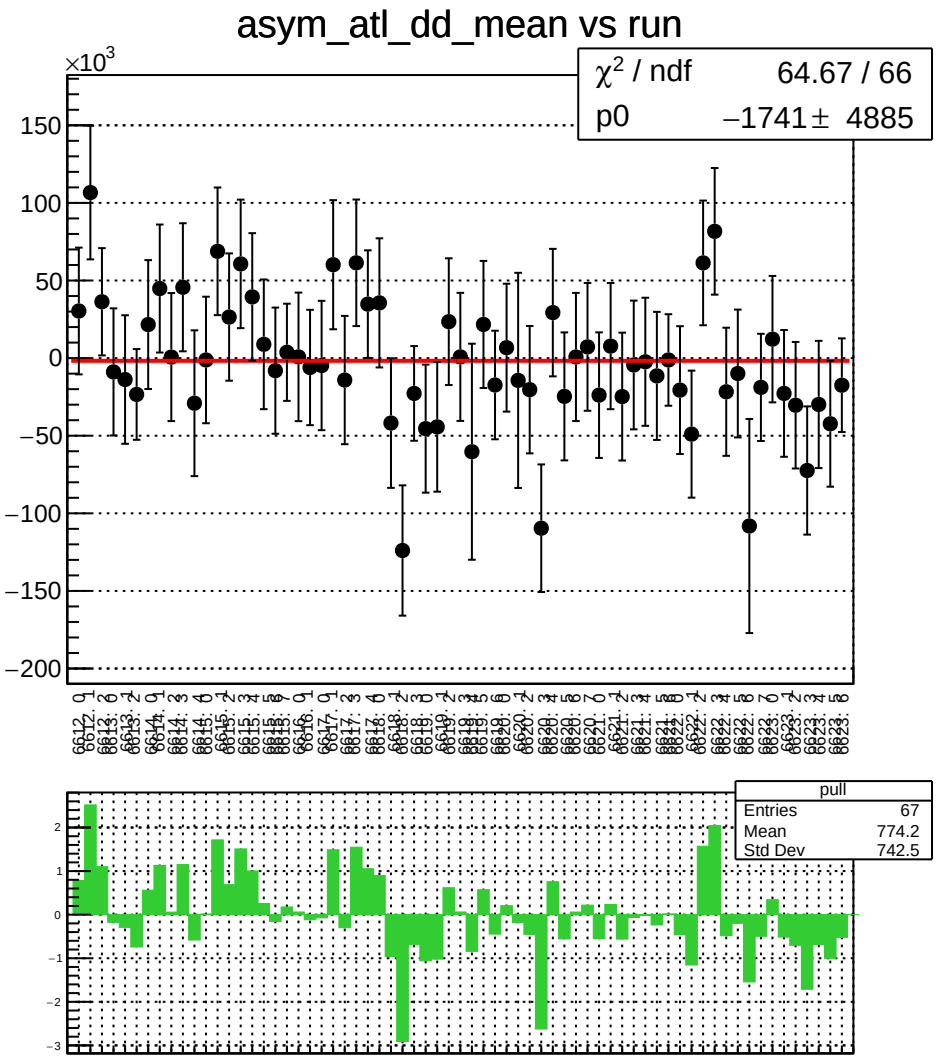

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 67.71 / 66
p0 −1687 ± 4856
pull
Entries 67
Mean 766.8
Std Dev 734.8

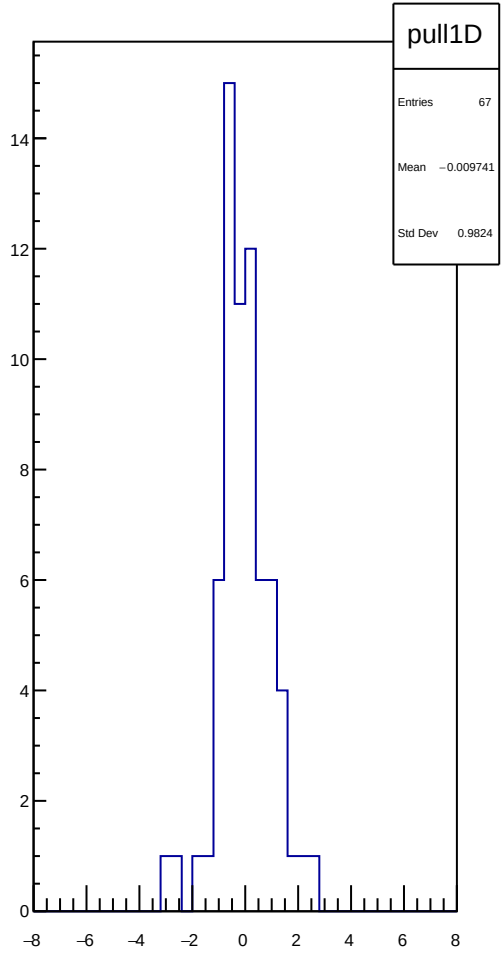

pull1D
Entries 67
Mean −0.01013
Std Dev 1.005

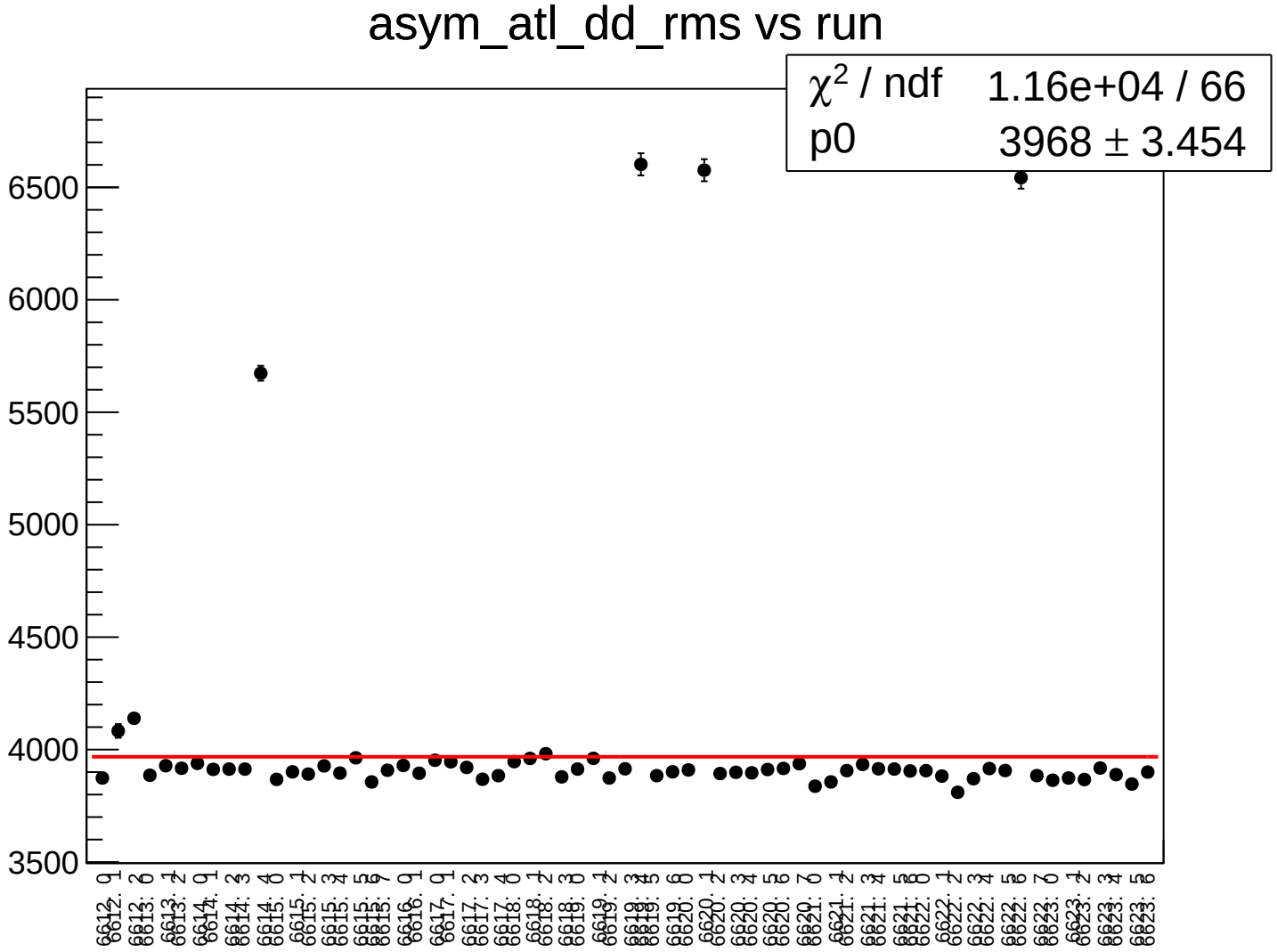

dit_asym_atl_dd_rms vs run
χ² / ndf 1.176e+04 / 66
p0 3945 ± 3.434
6500
6000
5500
5000
4500
4000
3500

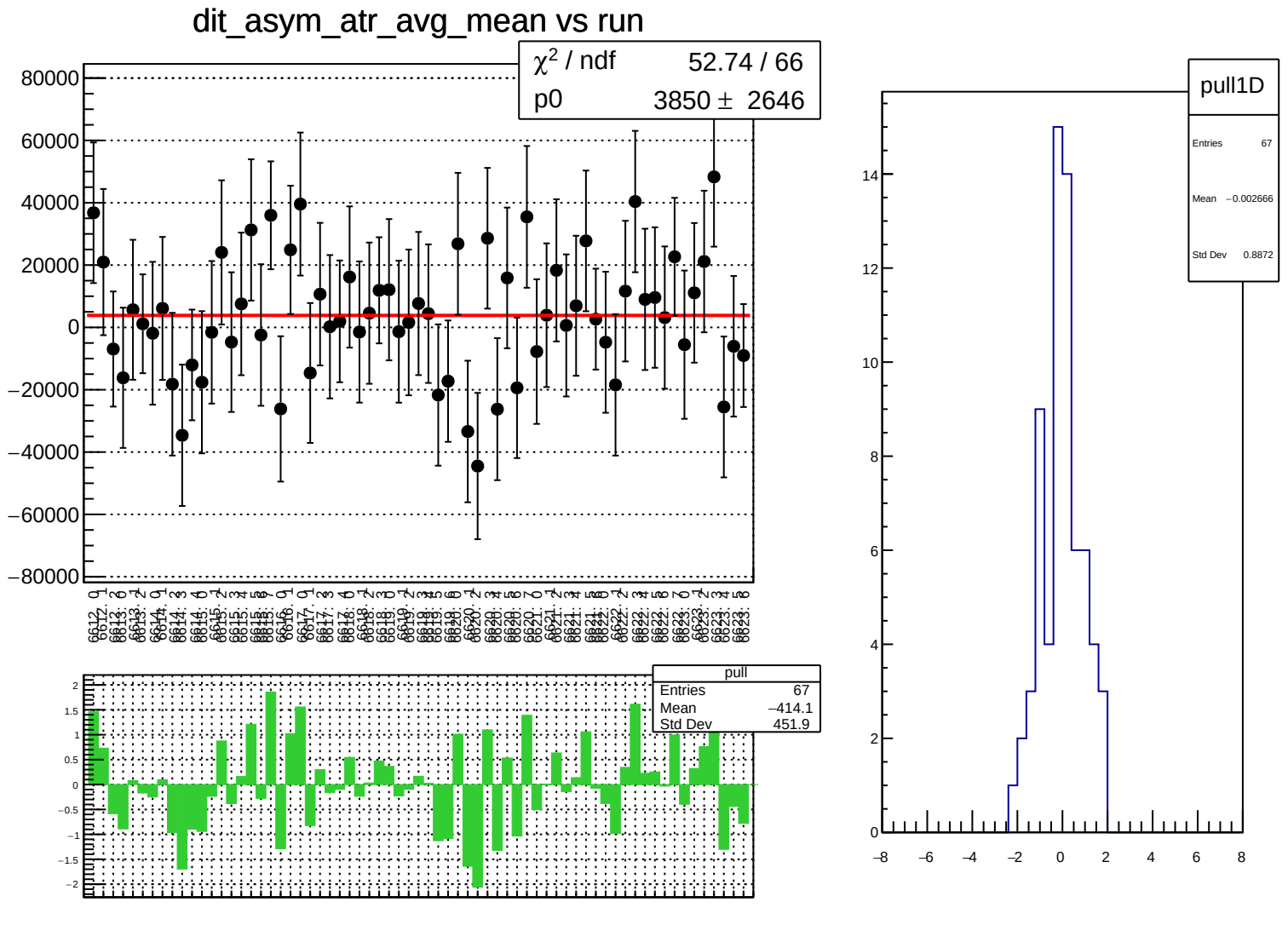

asym_atl_dd_correction_mean vs run
χ² / ndf 65.75 / 66
p0 220.3 ± 542.9
pull
Entries 67
Mean 109.8
Std Dev 62.29
pull1D
Entries 67
Mean −0.02233
Std Dev 0.9904

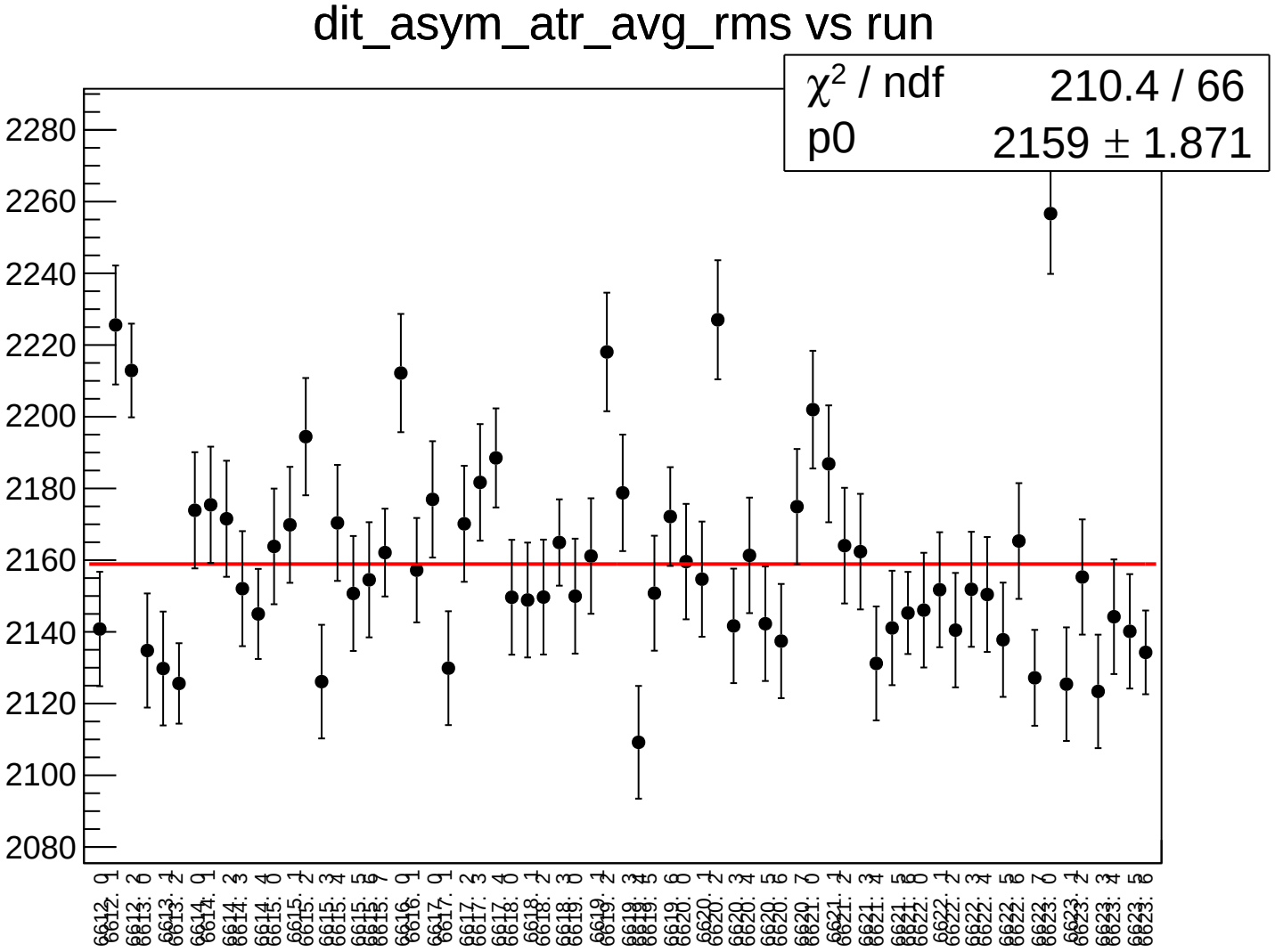

asym_atl_dd_correction_rms vs run
χ² / ndf 7649 / 66
p0 441.7 ± 0.3839
580
560
540
520
500
480
460
440
420
400
380
360

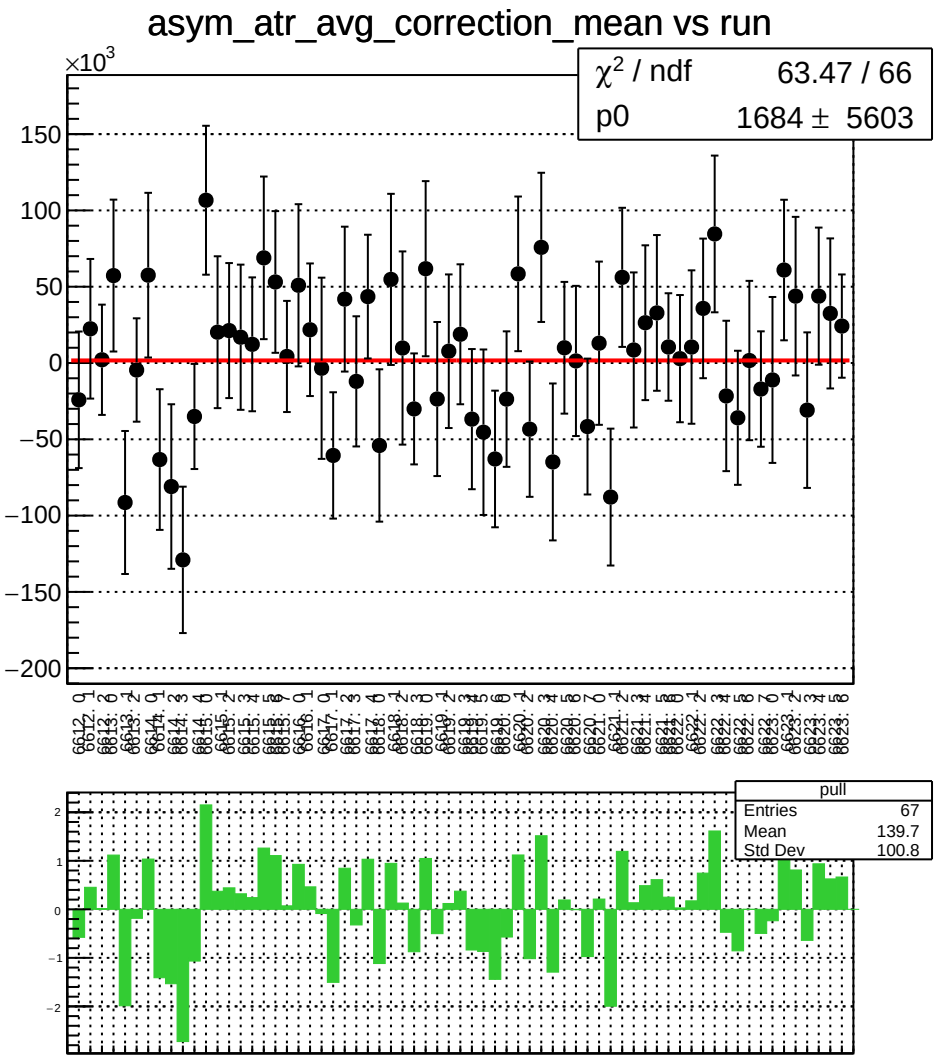

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 64.67 / 66
p0 −1741 ± 4885
pull
Entries 67
Mean 774.2
Std Dev 742.5

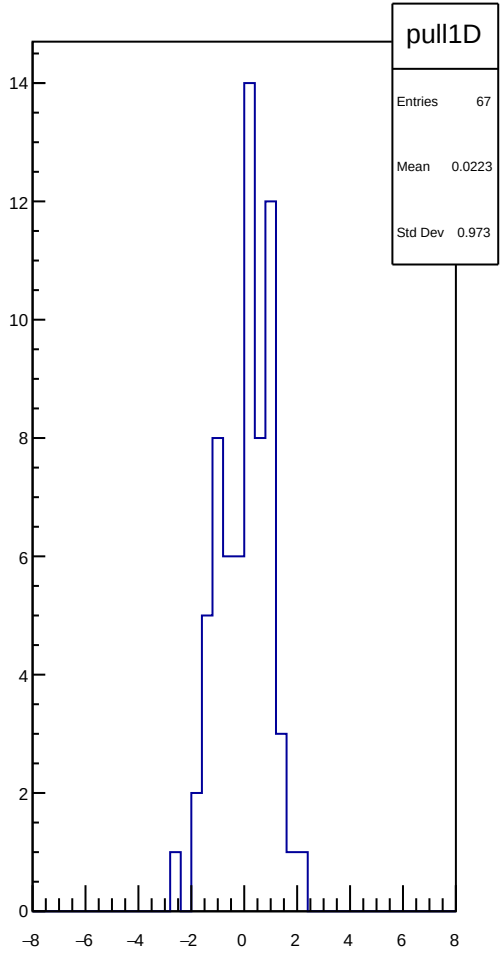

pull1D
Entries 67
Mean −0.009741
Std Dev 0.9824


asym_atl_dd_rms vs run
χ² / ndf 1.16e+04 / 66
p0 3968 ± 3.454
6500
6000
5500
5000
4500
4000
3500

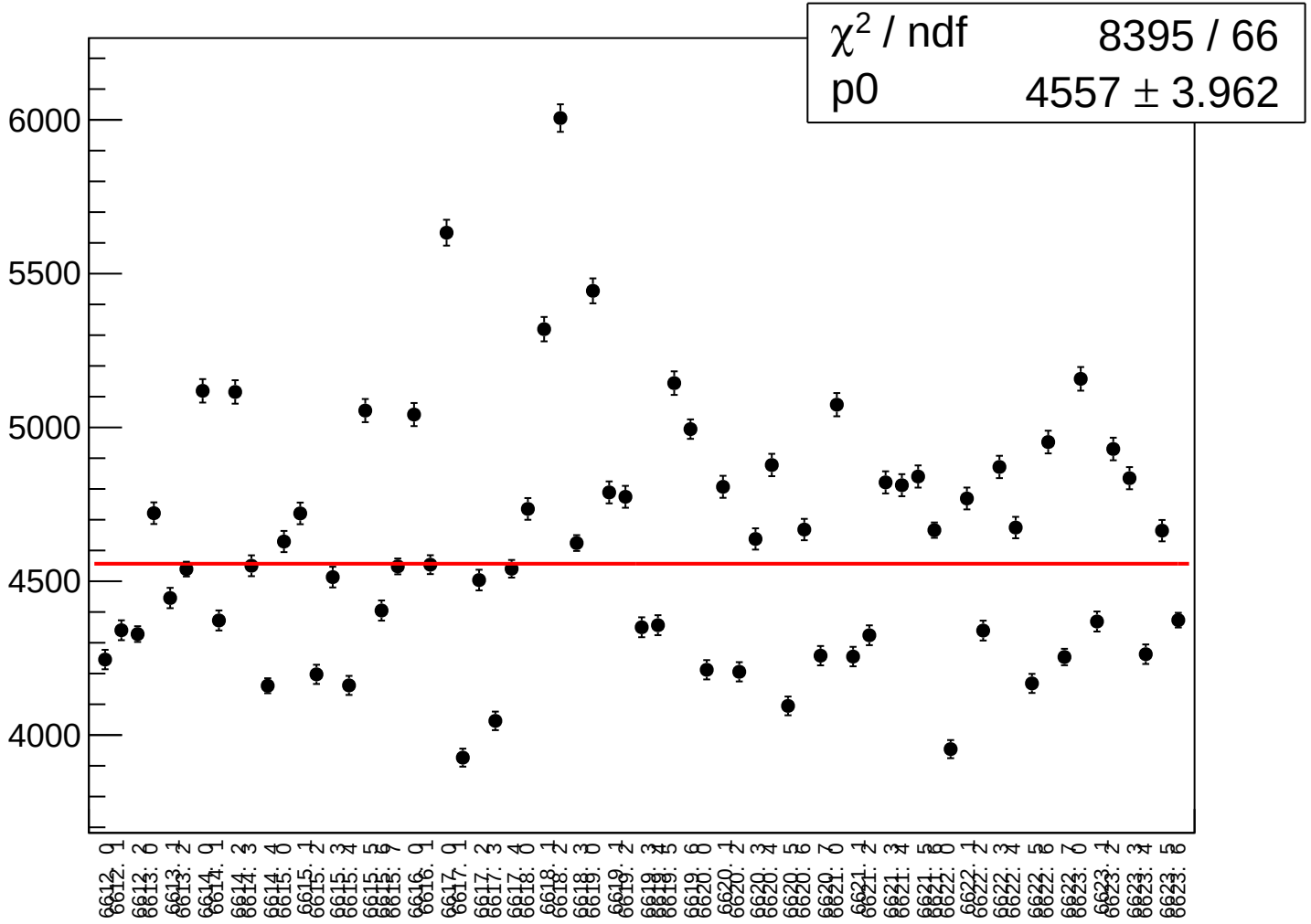

dit_asym_atr_avg_mean vs run
χ² / ndf 52.74 / 66
p0 3850 ± 2646
pull
Entries 67
Mean −414.1
Std Dev 451.9
pull1D
Entries 67
Mean −0.002666
Std Dev 0.8872

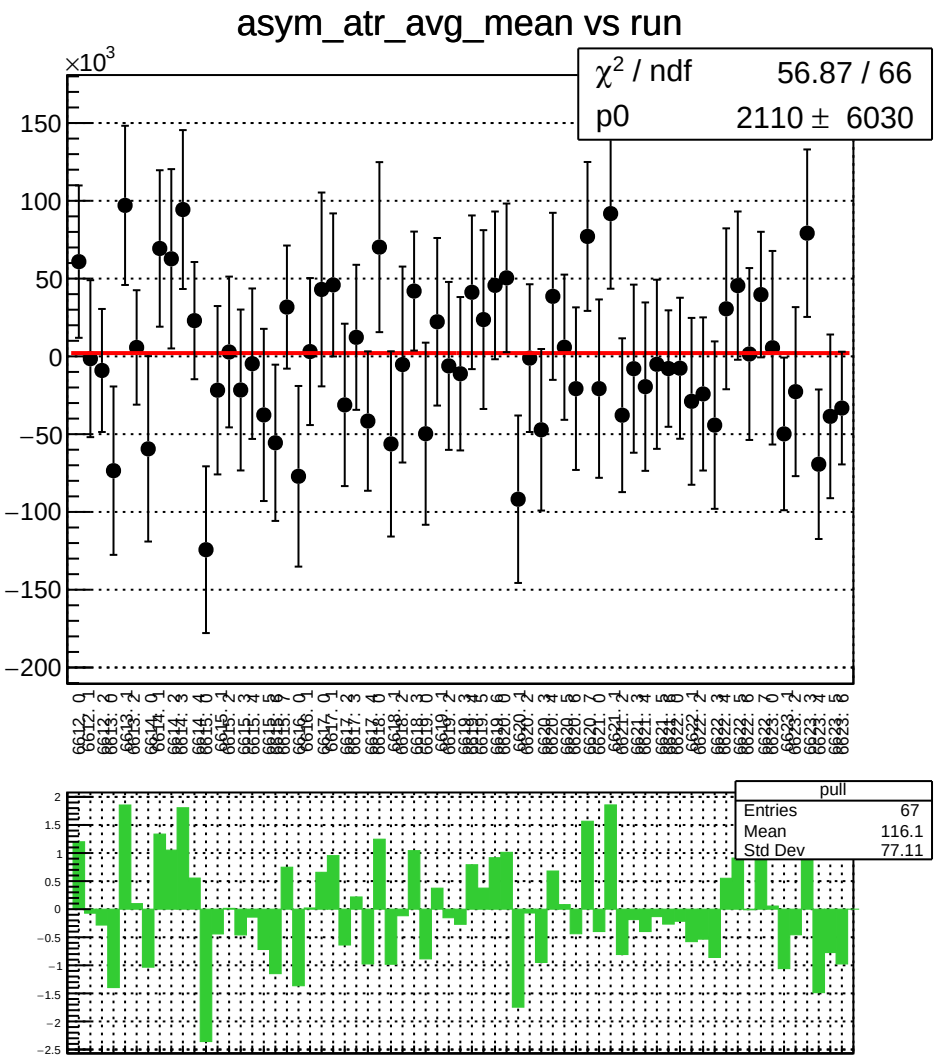

dit_asym_atr_avg_rms vs run
χ² / ndf 210.4 / 66
p0 2159 ± 1.871
2280
2260
2240
2220
2200
2180
2160
2140
2120
2100
2080

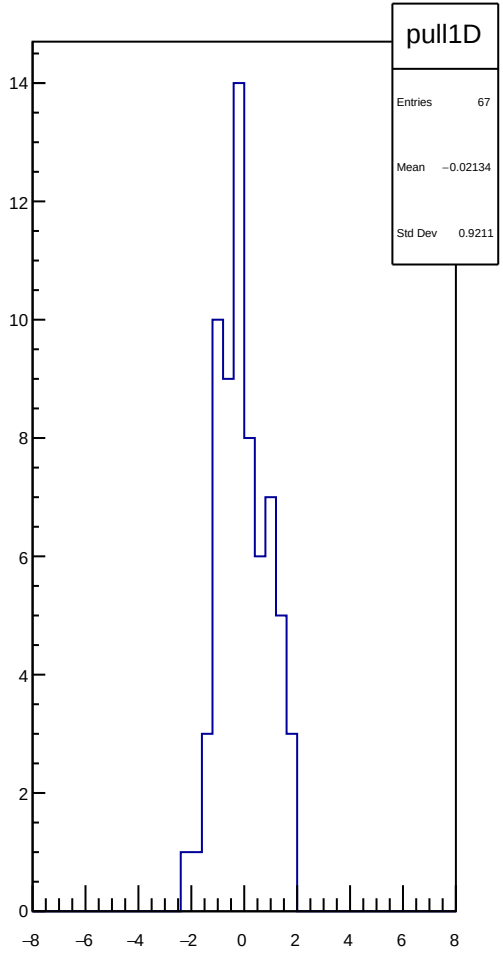

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 63.47 / 66
p0 1684 ± 5603
pull
Entries 67
Mean 139.7
Std Dev 100.8

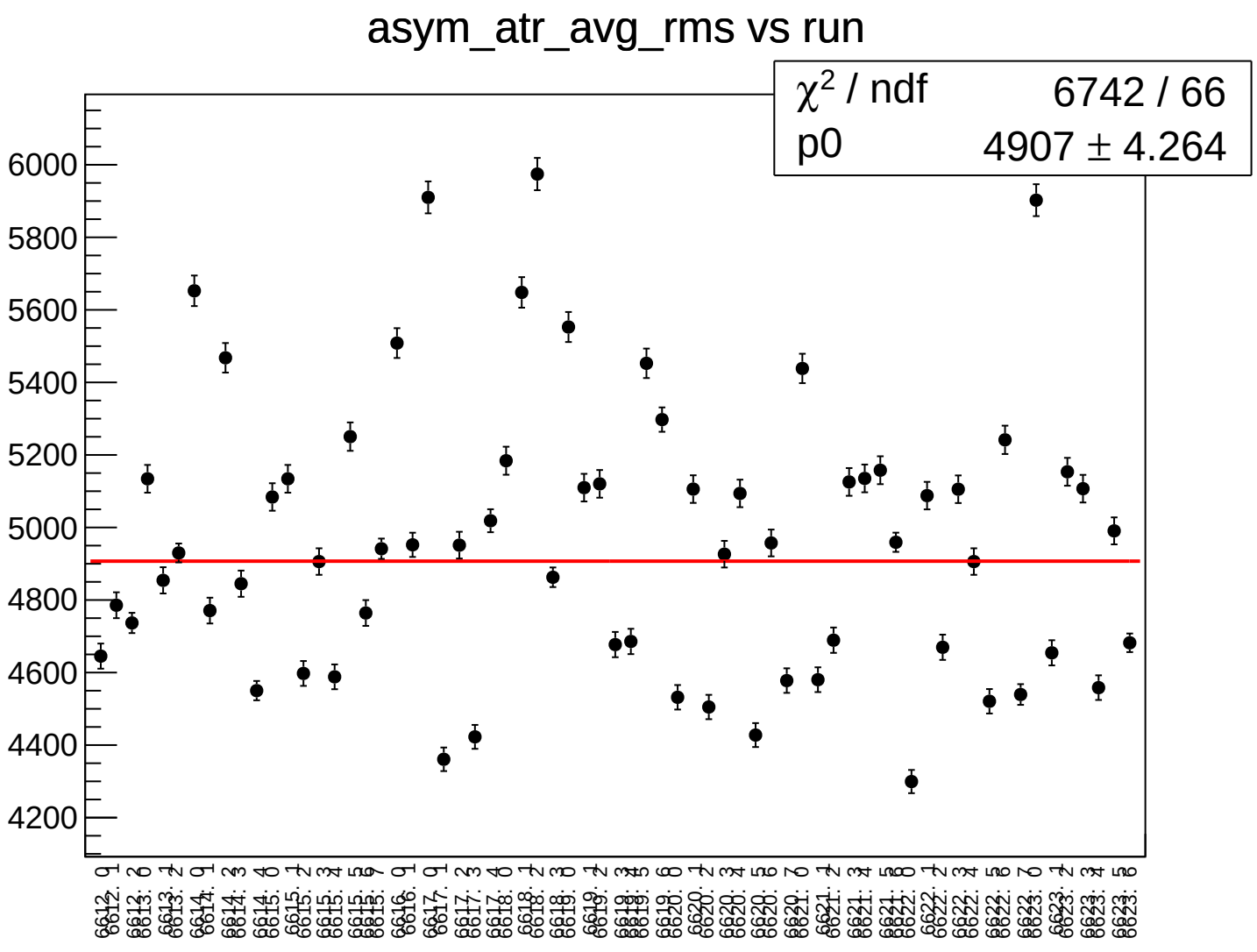

pull1D
Entries 67
Mean 0.0223
Std Dev 0.973

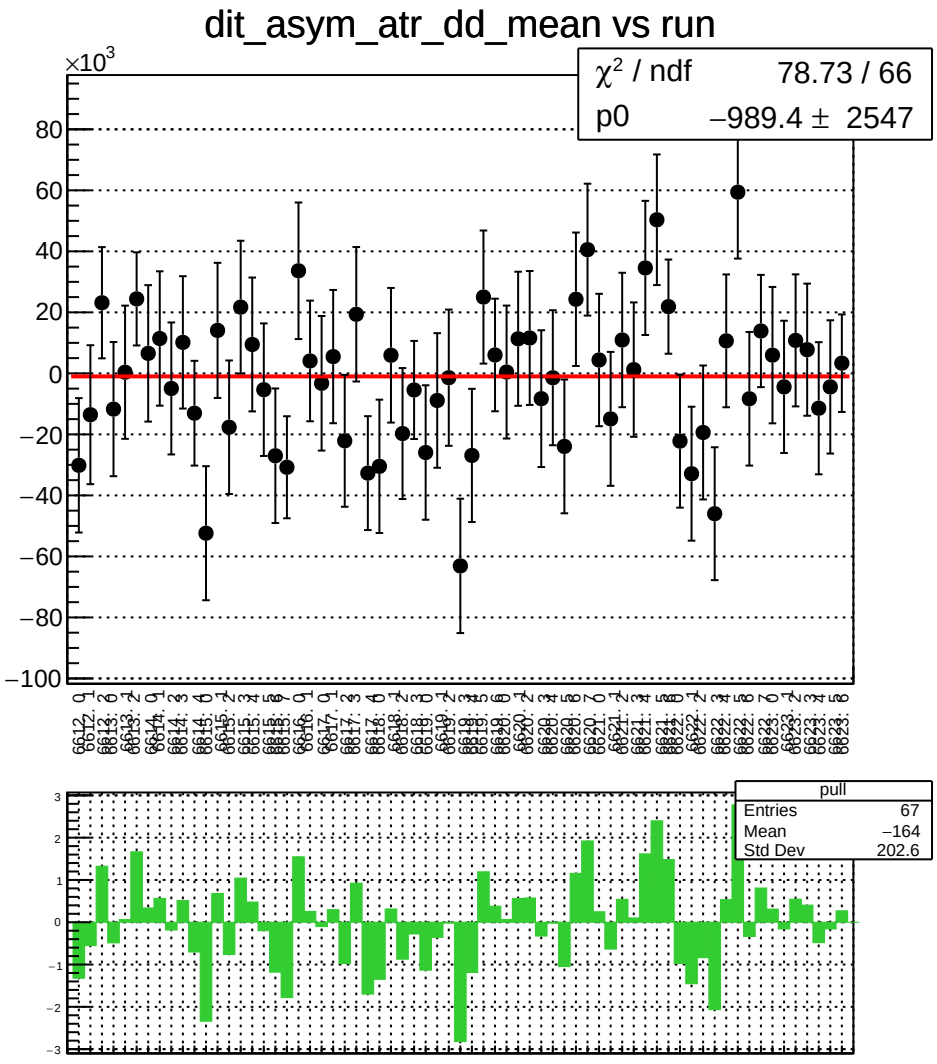
asym_atr_avg_correction_rms vs run

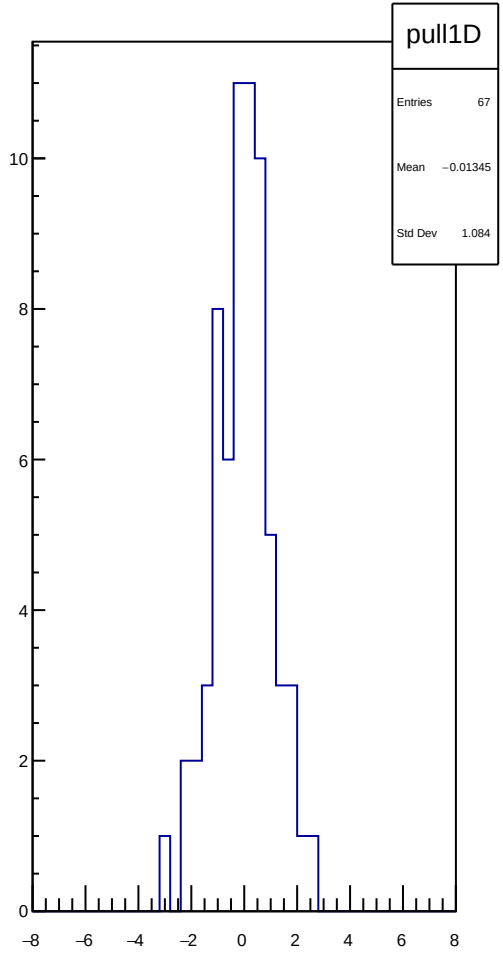



asym_atr_avg_mean vs run
×10^3
χ² / ndf 56.87 / 66
p0 2110 ± 6030
pull
Entries 67
Mean 116.1
Std Dev 77.11

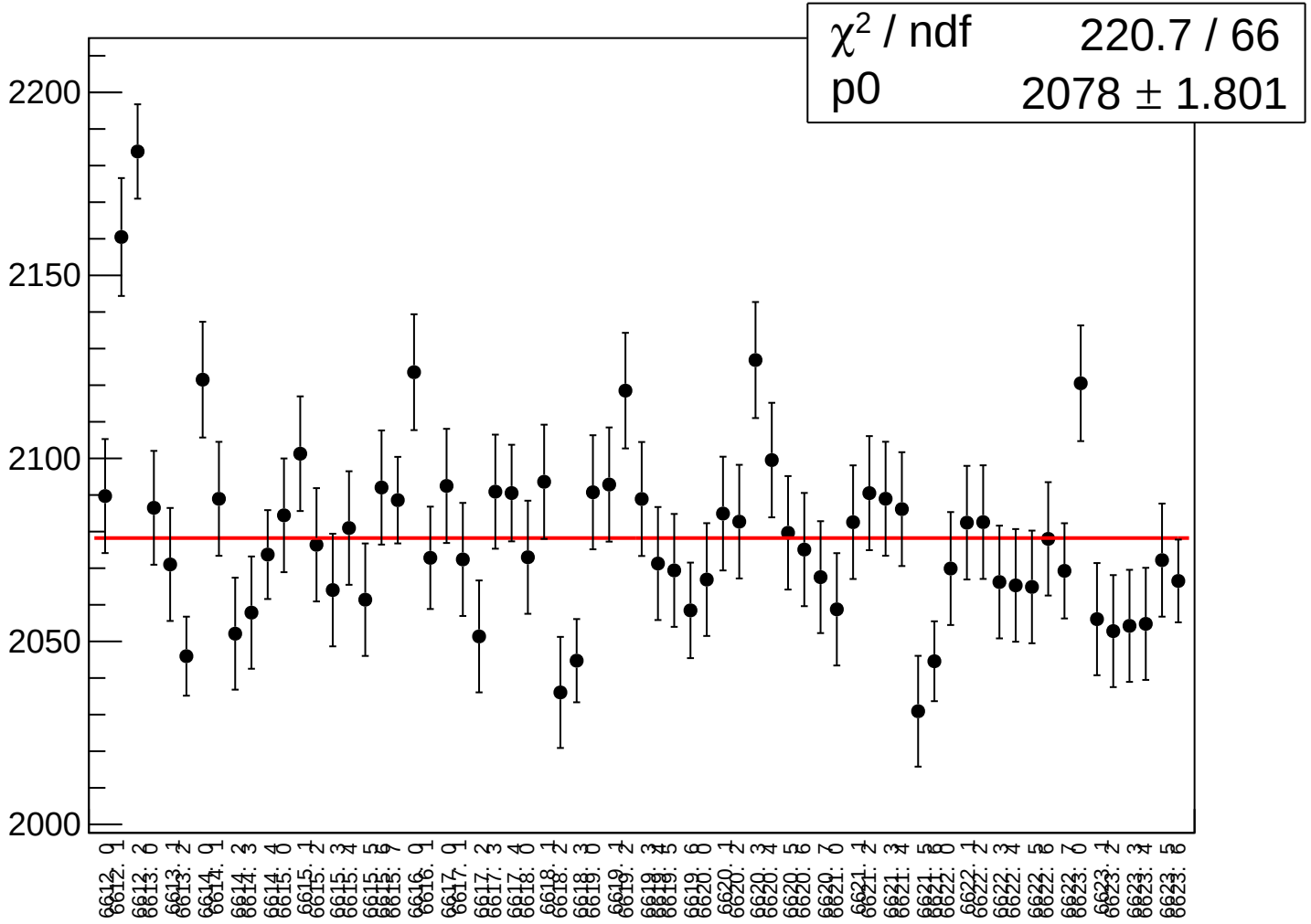

pull1D
Entries 67
Mean −0.02134
Std Dev 0.9211

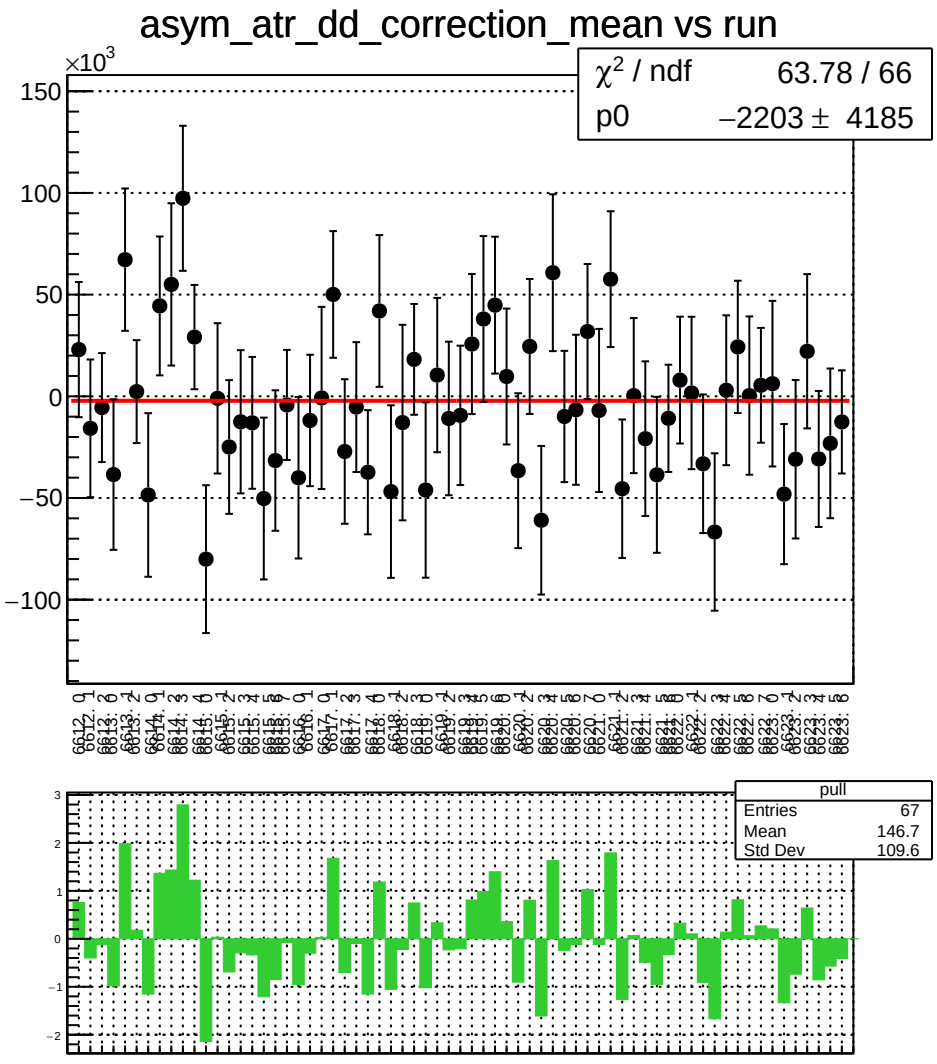

asym_atr_avg_rms vs run
χ² / ndf 6742 / 66
p0 4907 ± 4.264
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

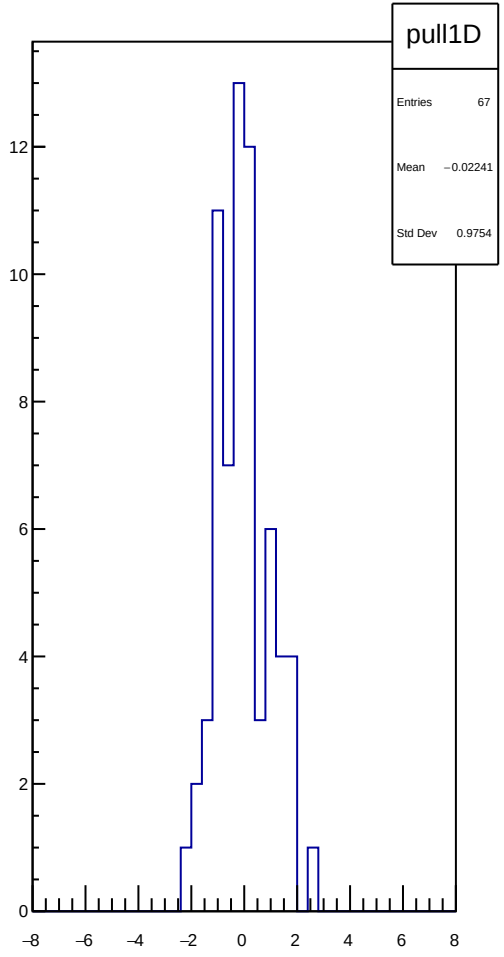

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 78.73 / 66
p0 −989.4 ± 2547
pull
Entries 67
Mean −164
Std Dev 202.6

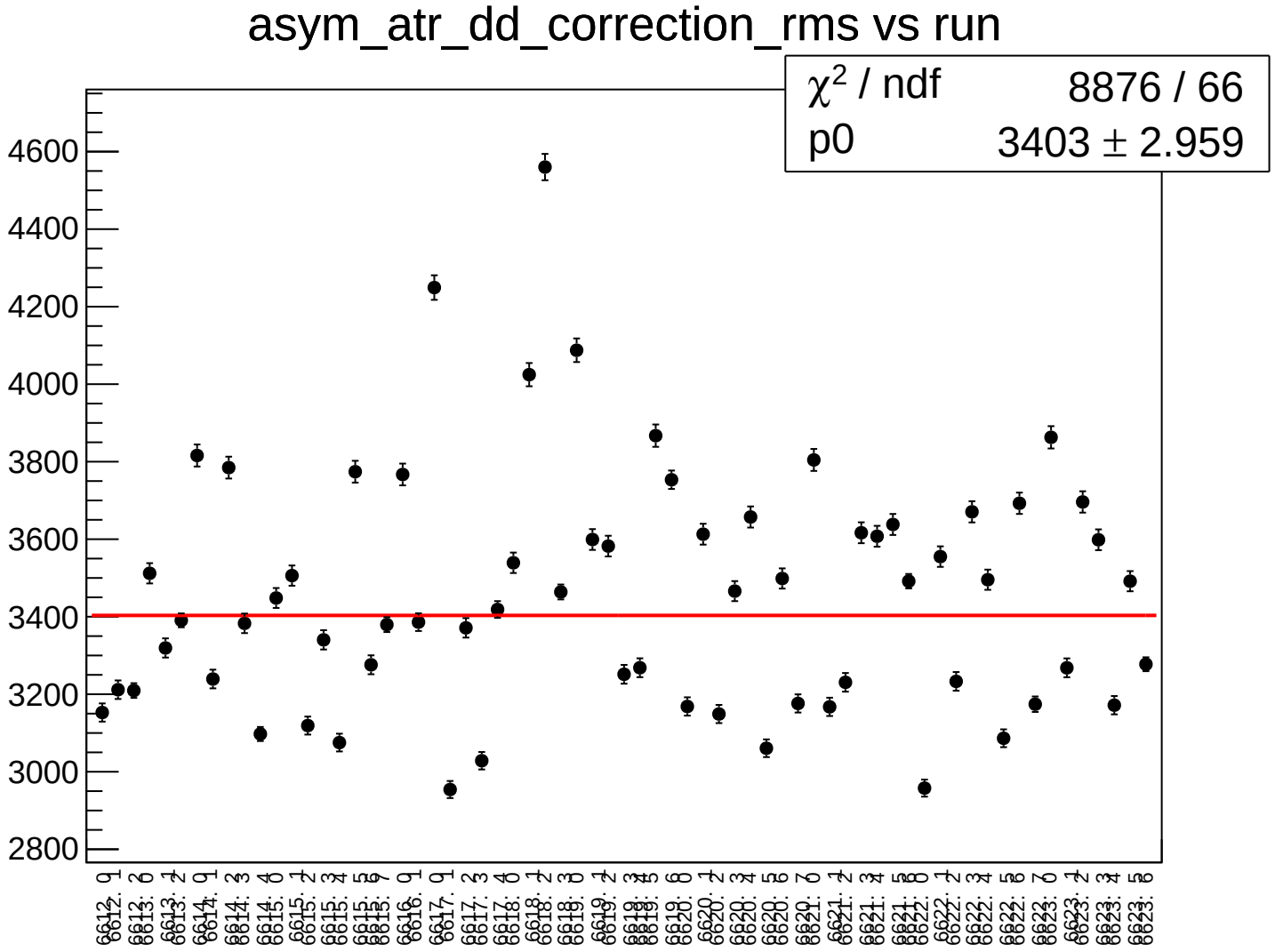

pull1D
Entries 67
Mean −0.01345
Std Dev 1.084

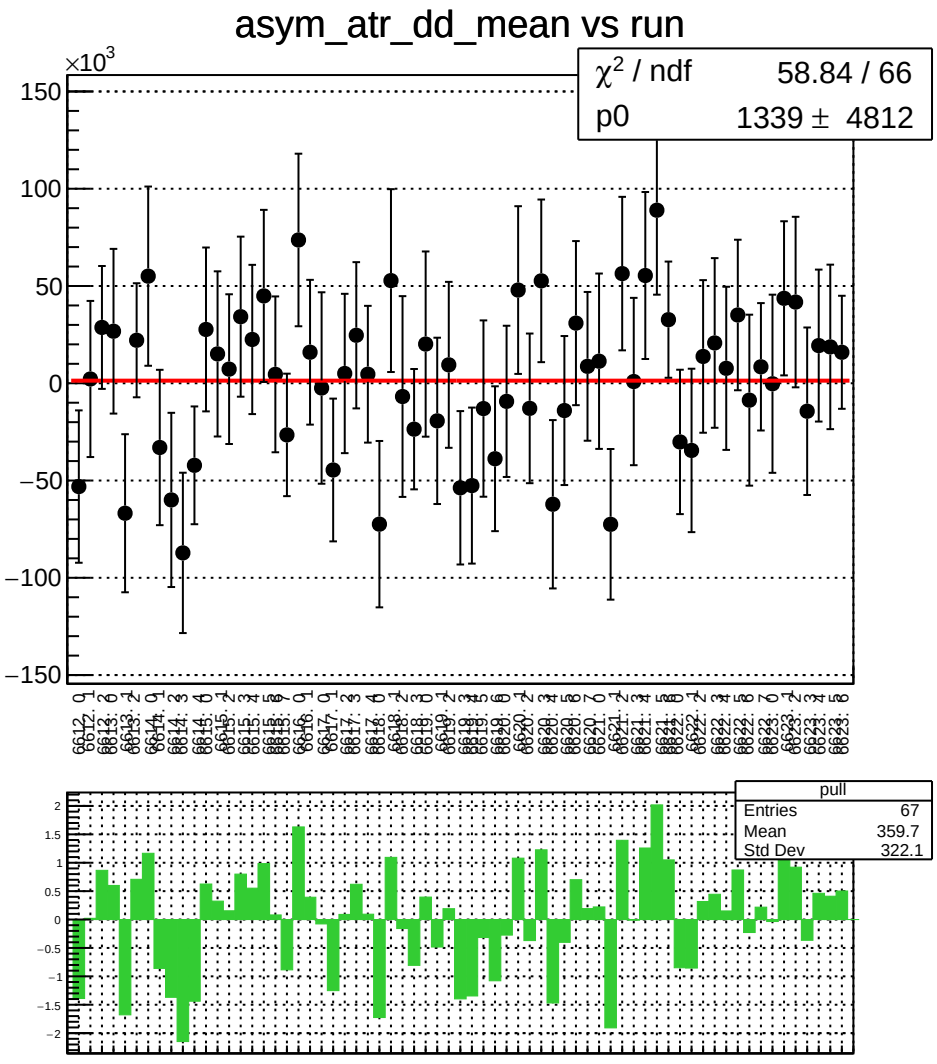
dit_asym_atr_dd_rms vs run

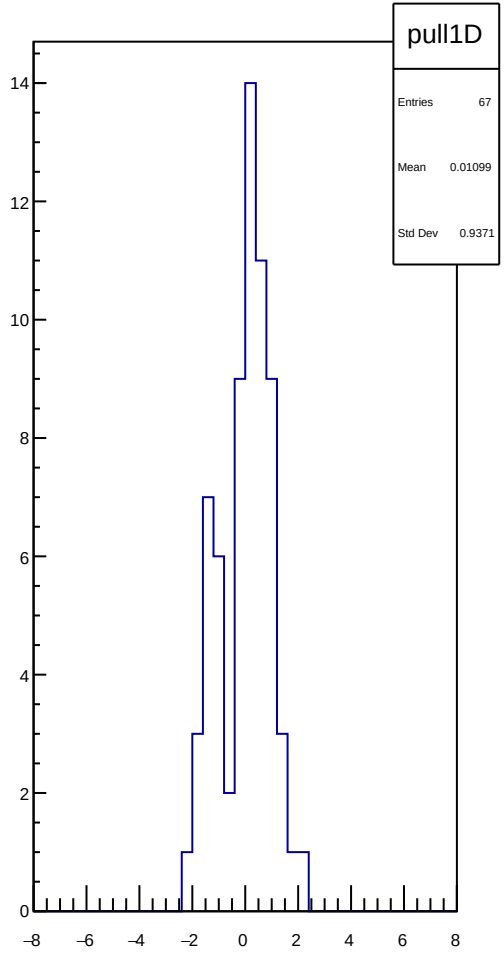



asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 63.78 / 66
p0 −2203 ± 4185
pull
Entries 67
Mean 146.7
Std Dev 109.6

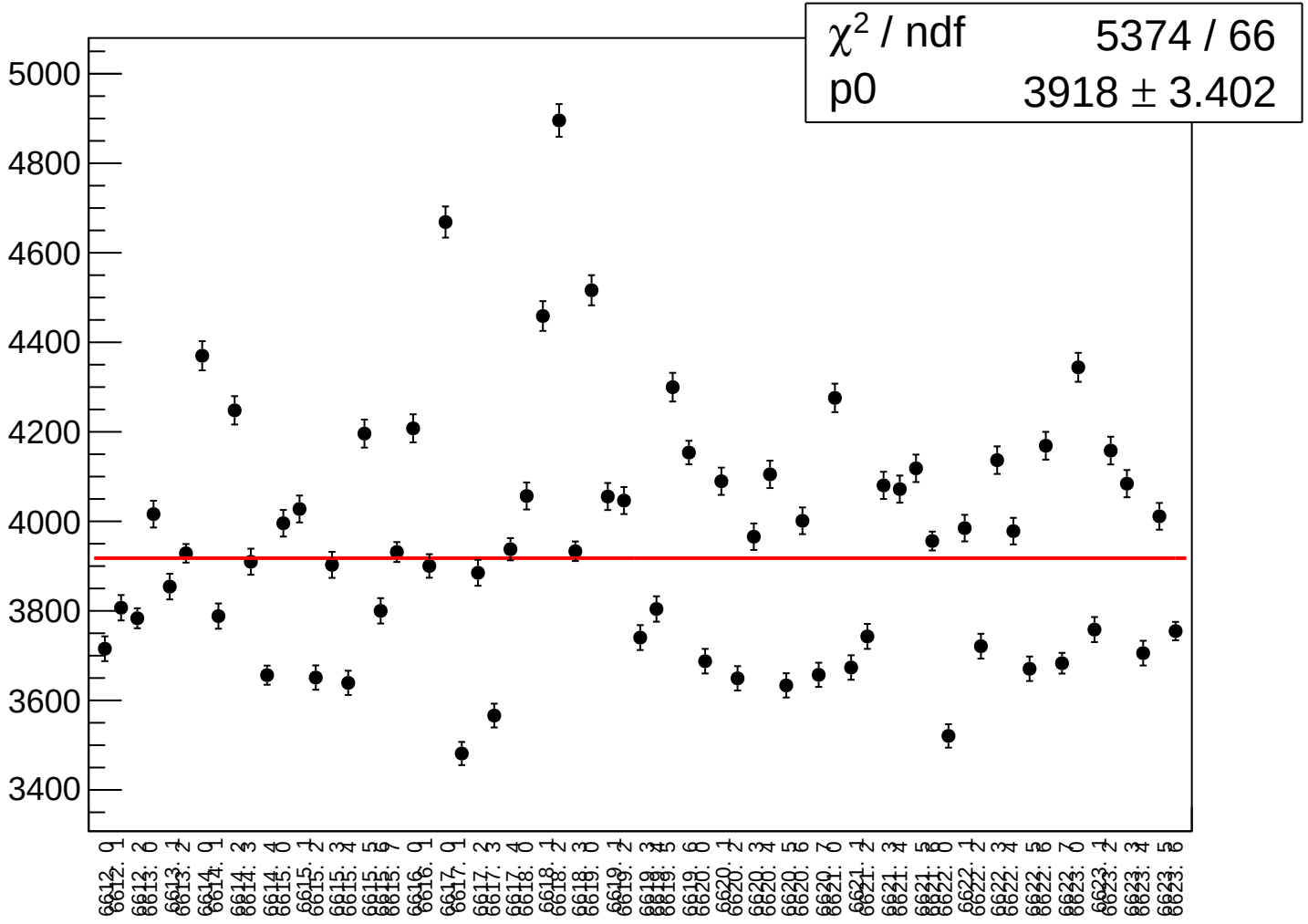

pull1D
Entries 67
Mean −0.02241
Std Dev 0.9754

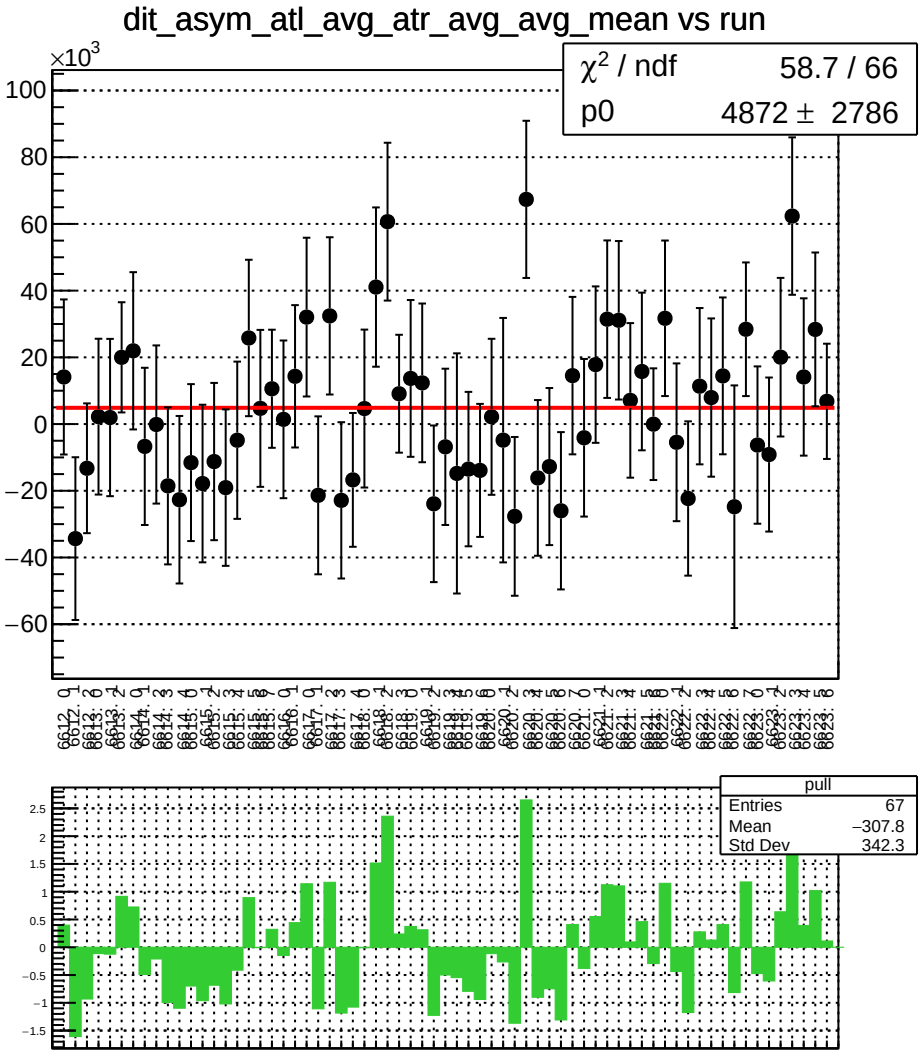

asym_atr_dd_correction_rms vs run
χ² / ndf 8876 / 66
p0 3403 ± 2.959
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

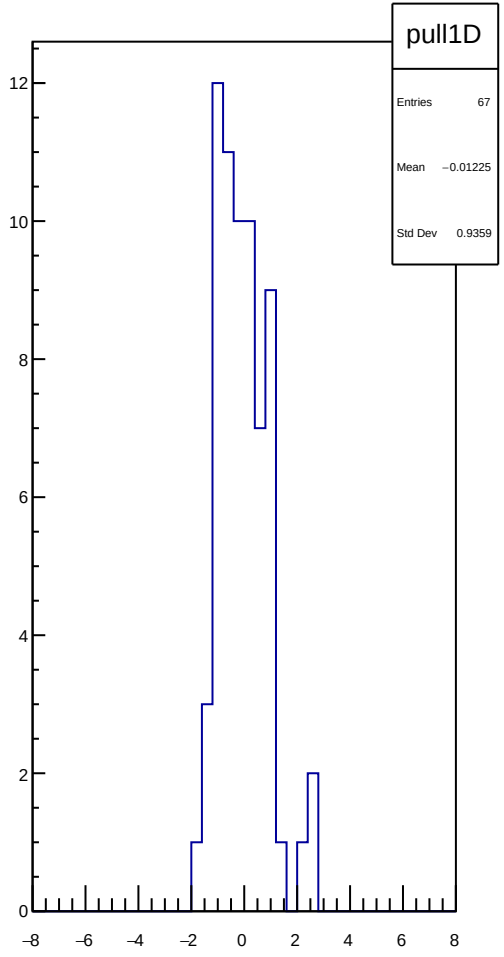

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 58.84 / 66
p0 1339 ± 4812
pull
Entries 67
Mean 359.7
Std Dev 322.1

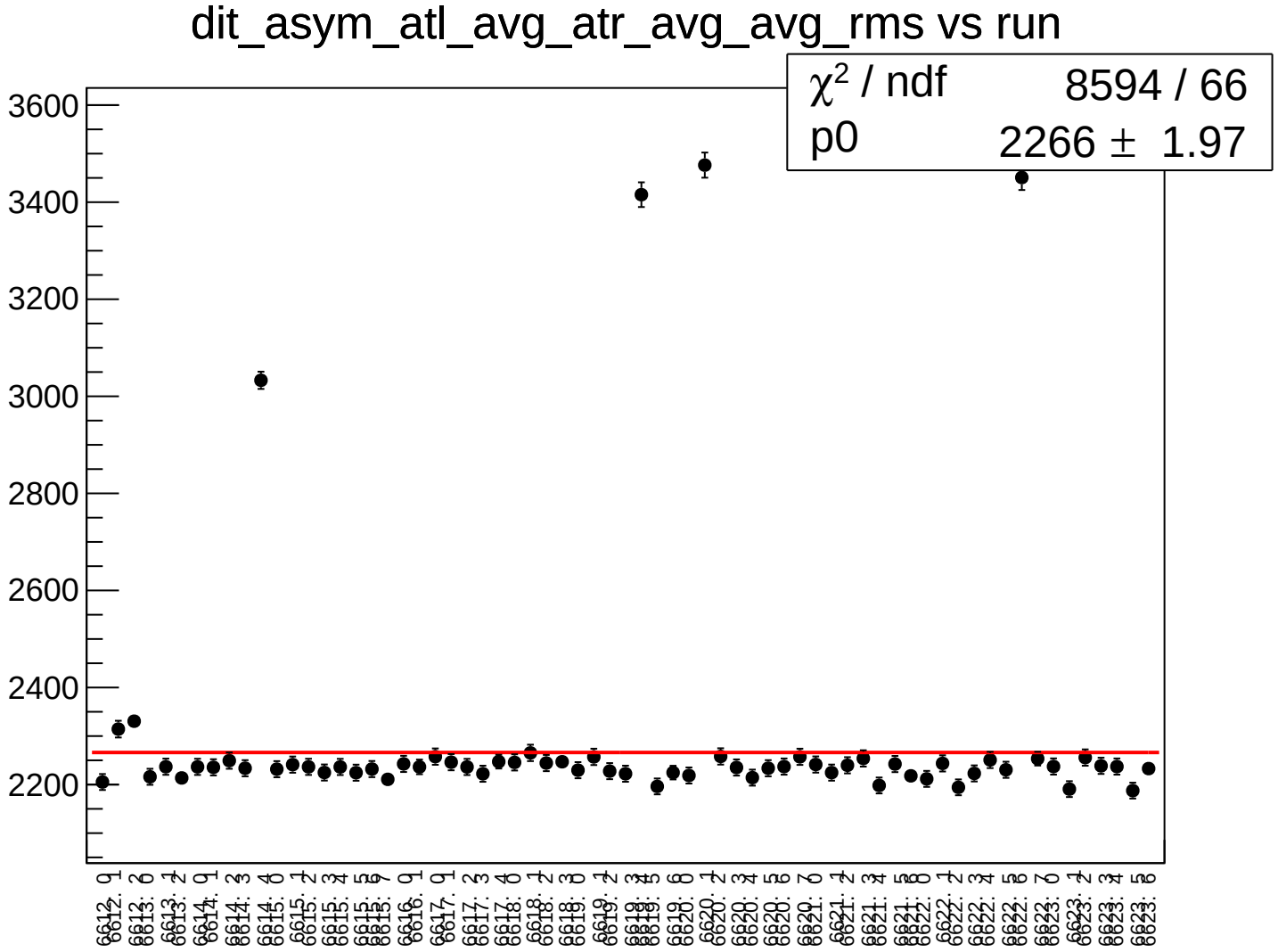

pull1D
Entries 67
Mean 0.01099
Std Dev 0.9371

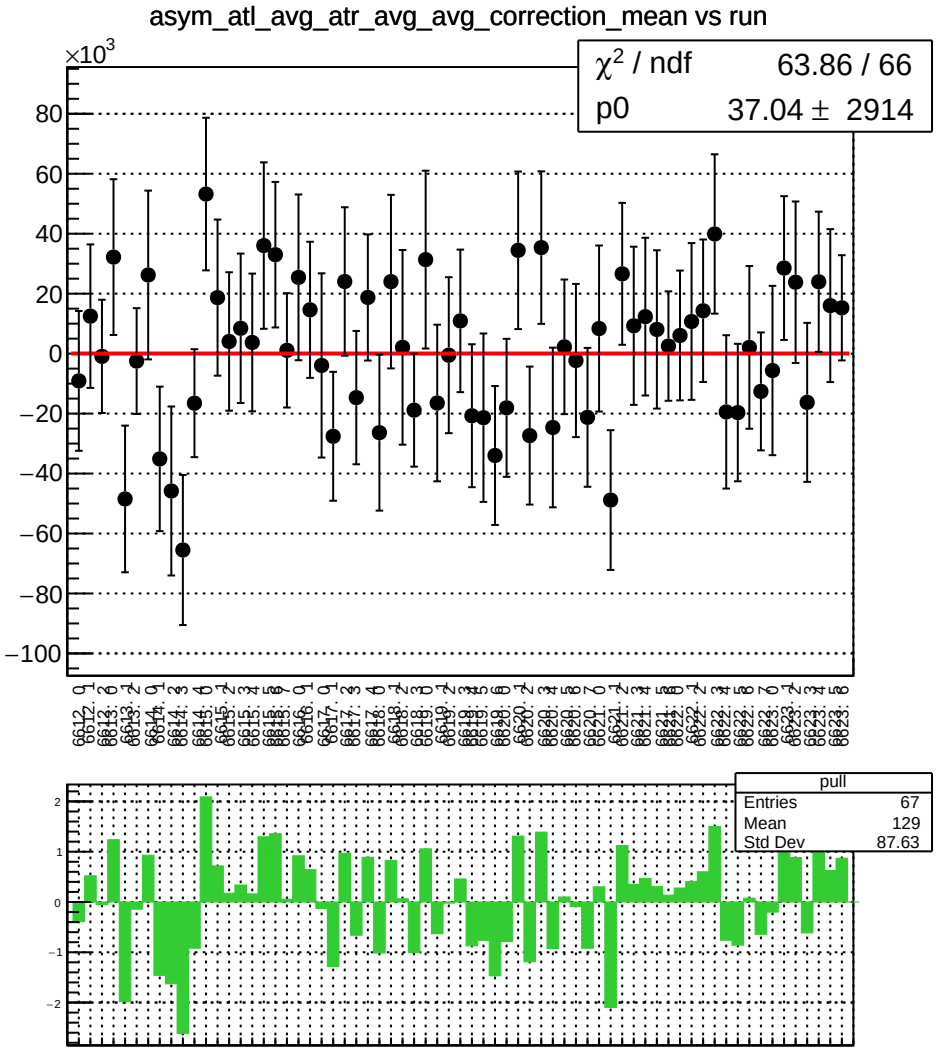
asym_atr_dd_rms vs run

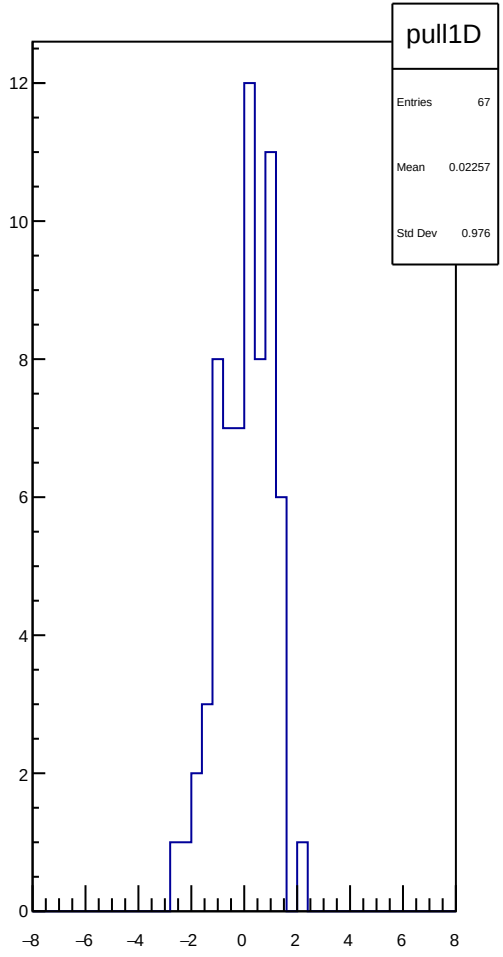


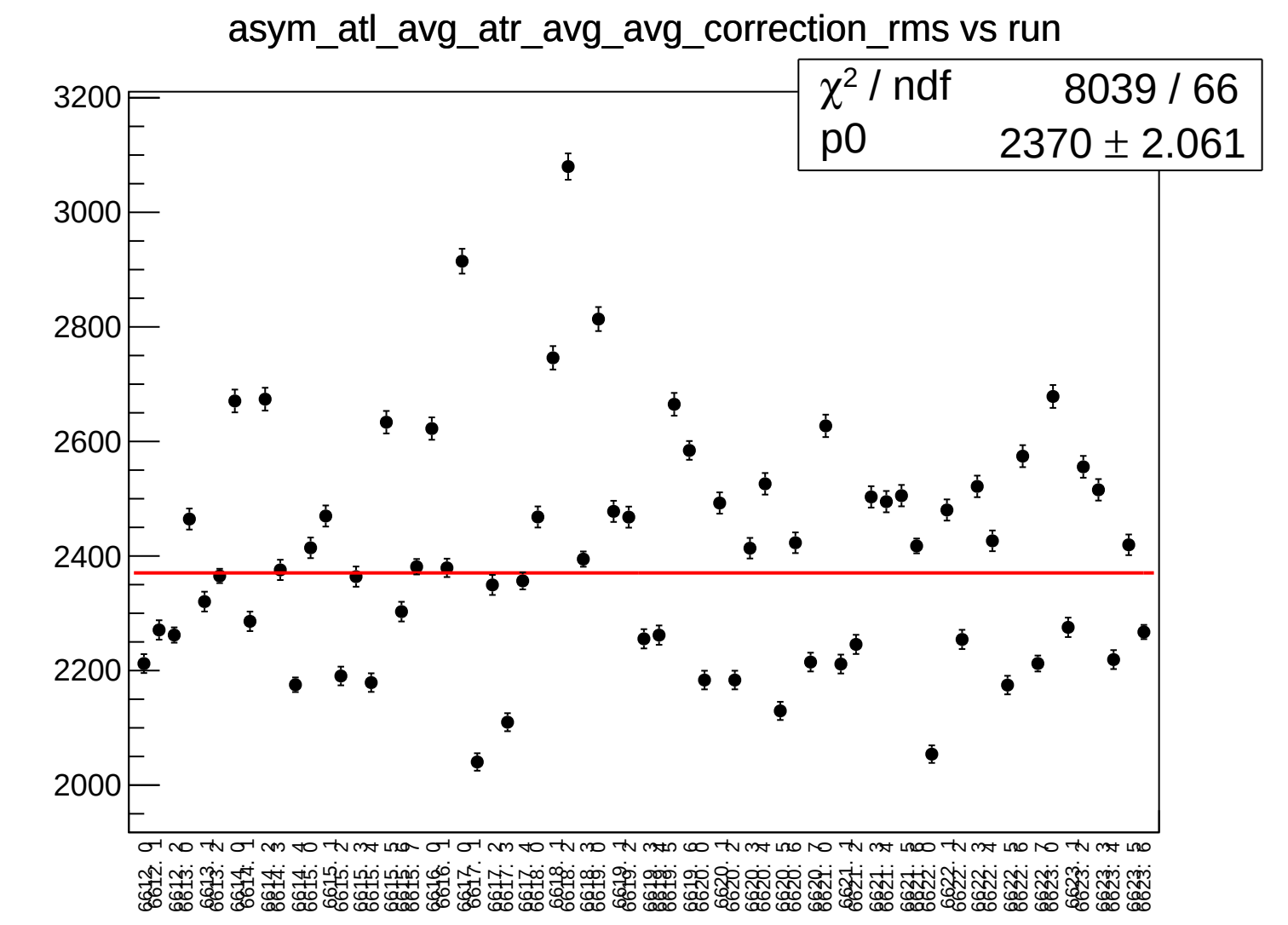

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 58.7 / 66
p0 4872 ± 2786
pull
Entries 67
Mean −307.8
Std Dev 342.3

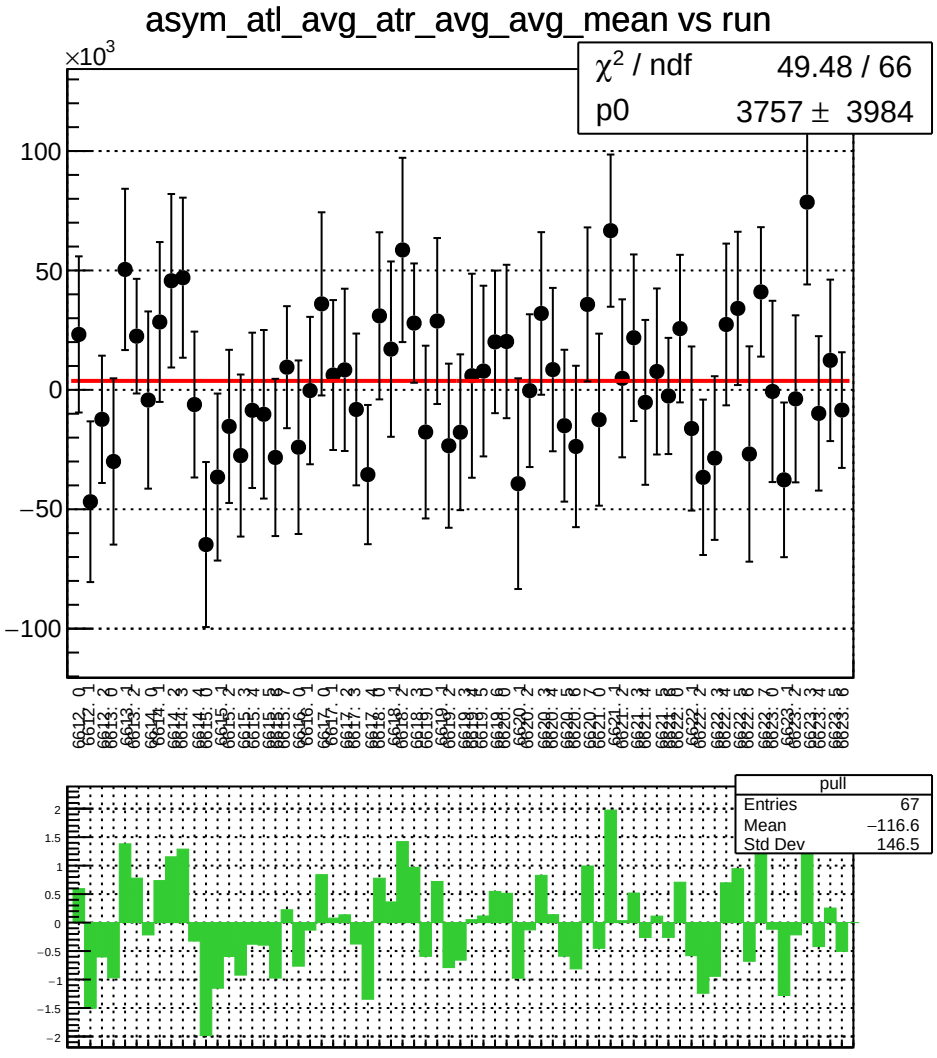

pull1D
Entries 67
Mean −0.01225
Std Dev 0.9359

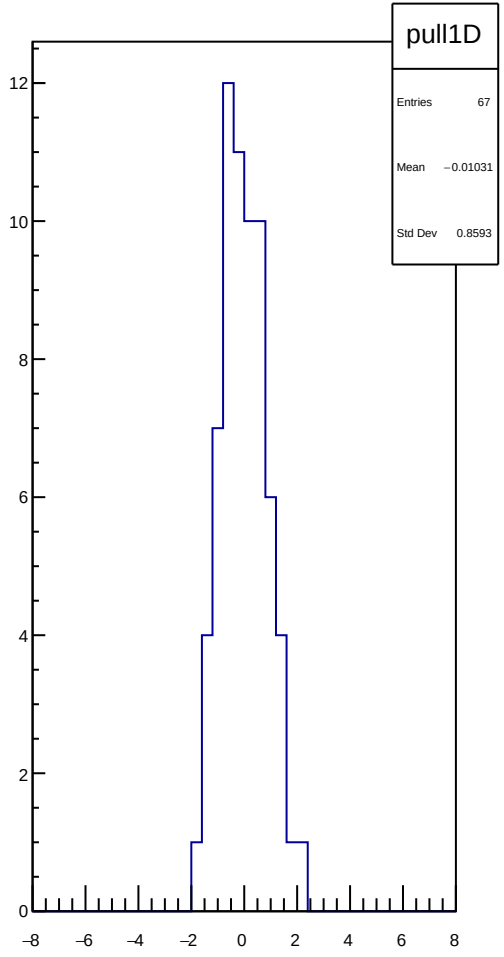

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8594 / 66
p0 2266 ± 1.97
3600
3400
3200
3000
2800
2600
2400
2200


asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 63.86 / 66
p0 37.04 ± 2914
pull
Entries 67
Mean 129
Std Dev 87.63

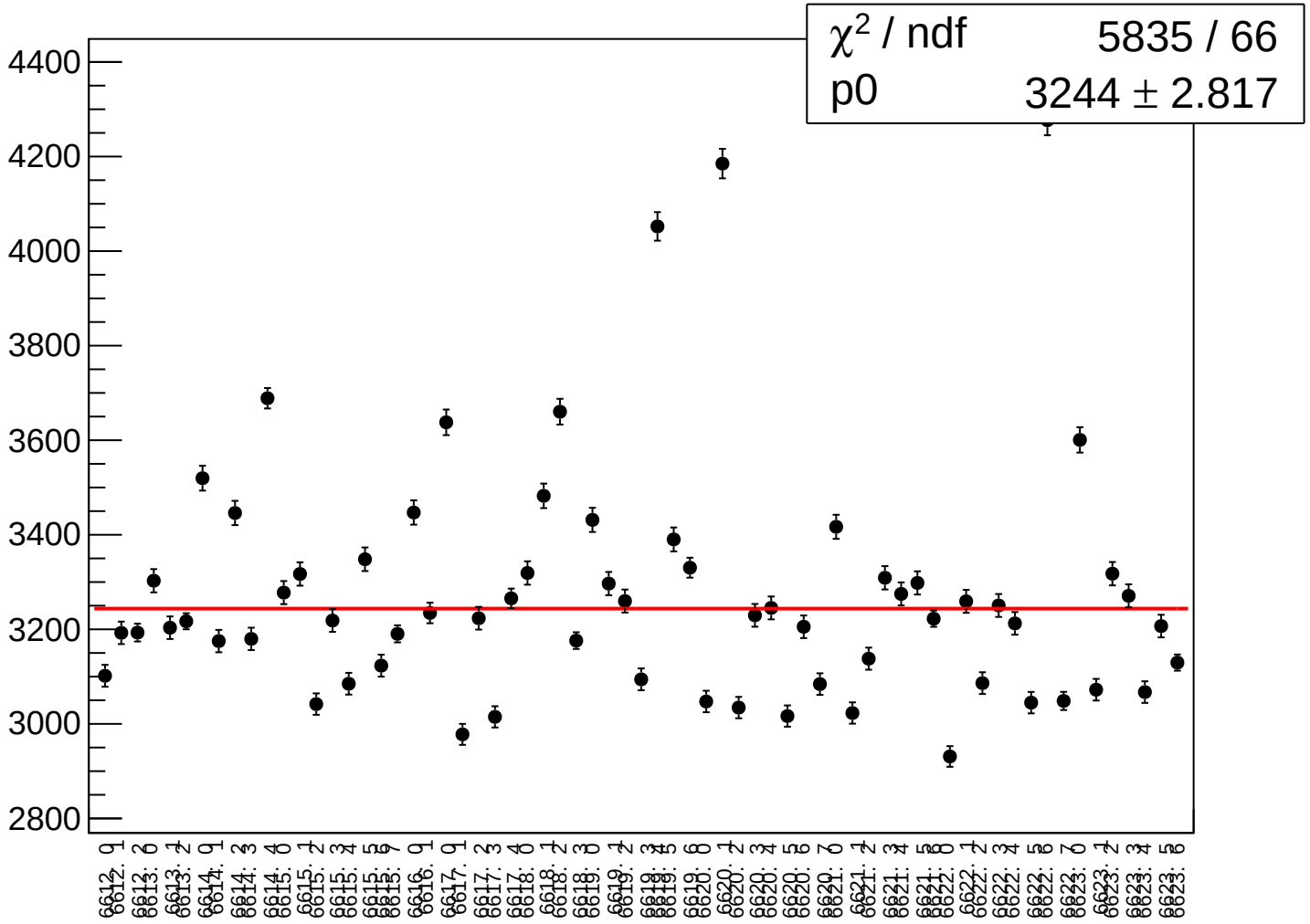

pull1D
Entries 67
Mean 0.02257
Std Dev 0.976

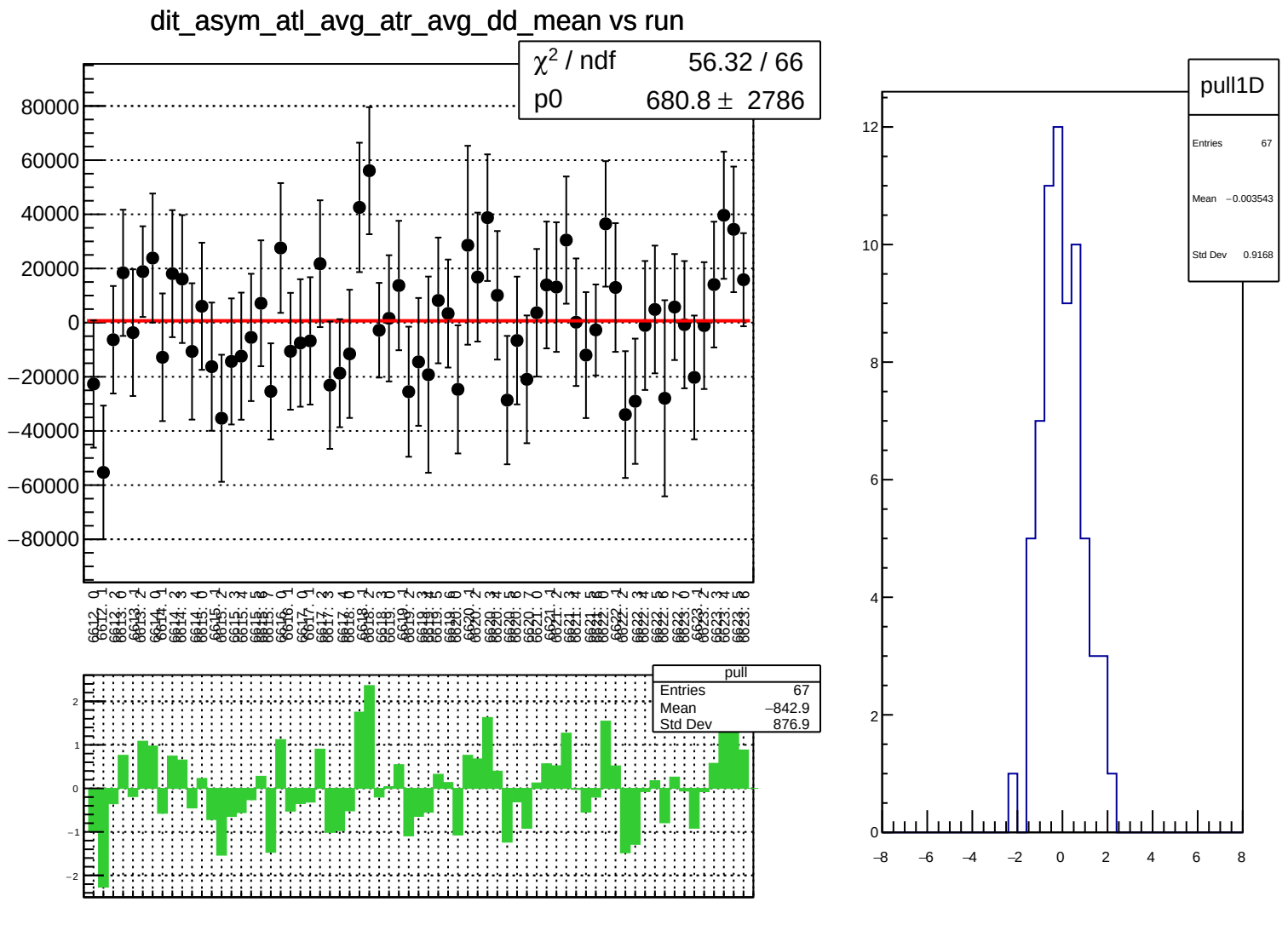

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 8039 / 66
p0 2370 ± 2.061
3200
3000
2800
2600
2400
2200
2000

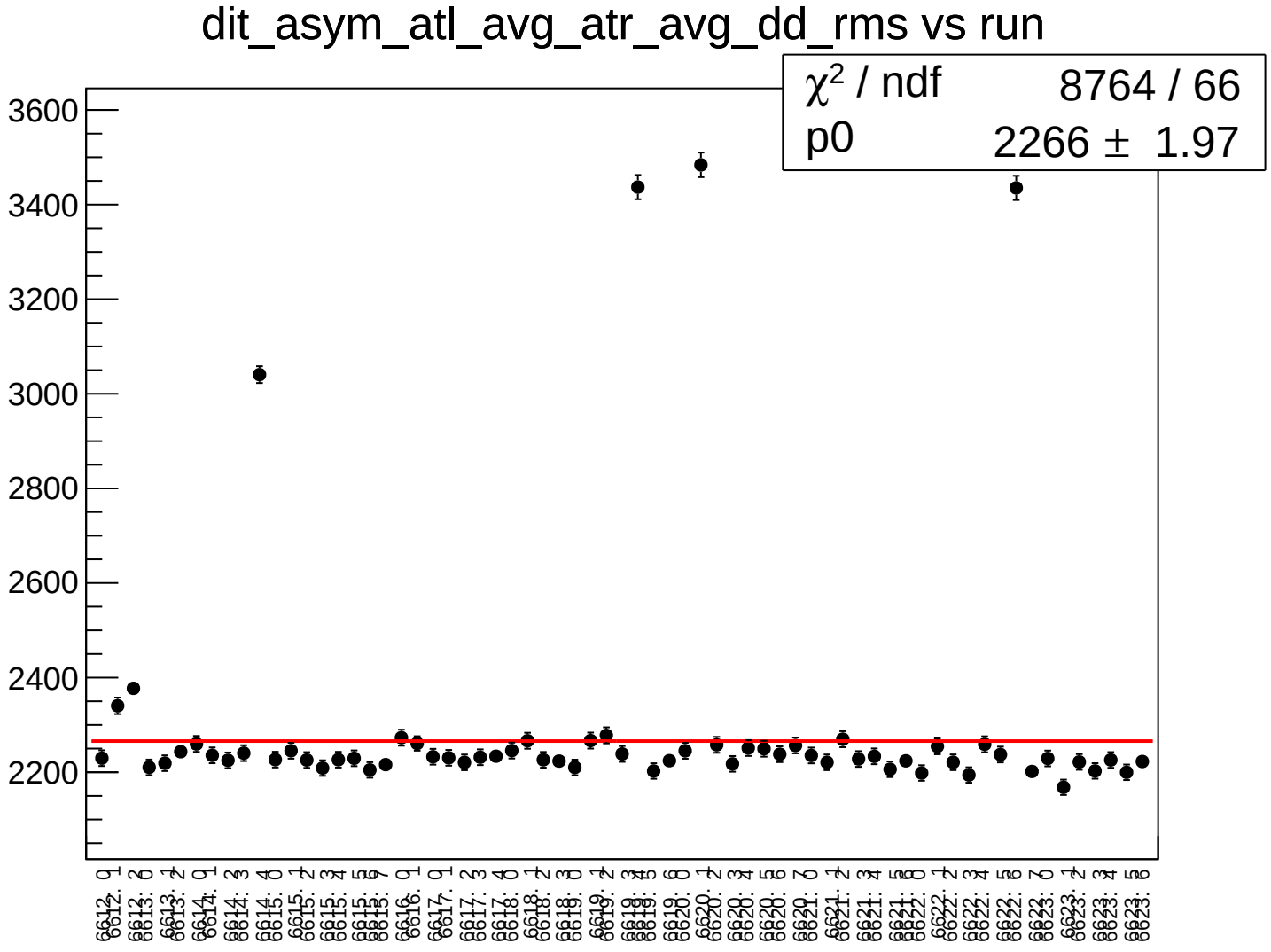

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 49.48 / 66
p0 3757 ± 3984
pull
Entries 67
Mean −116.6
Std Dev 146.5

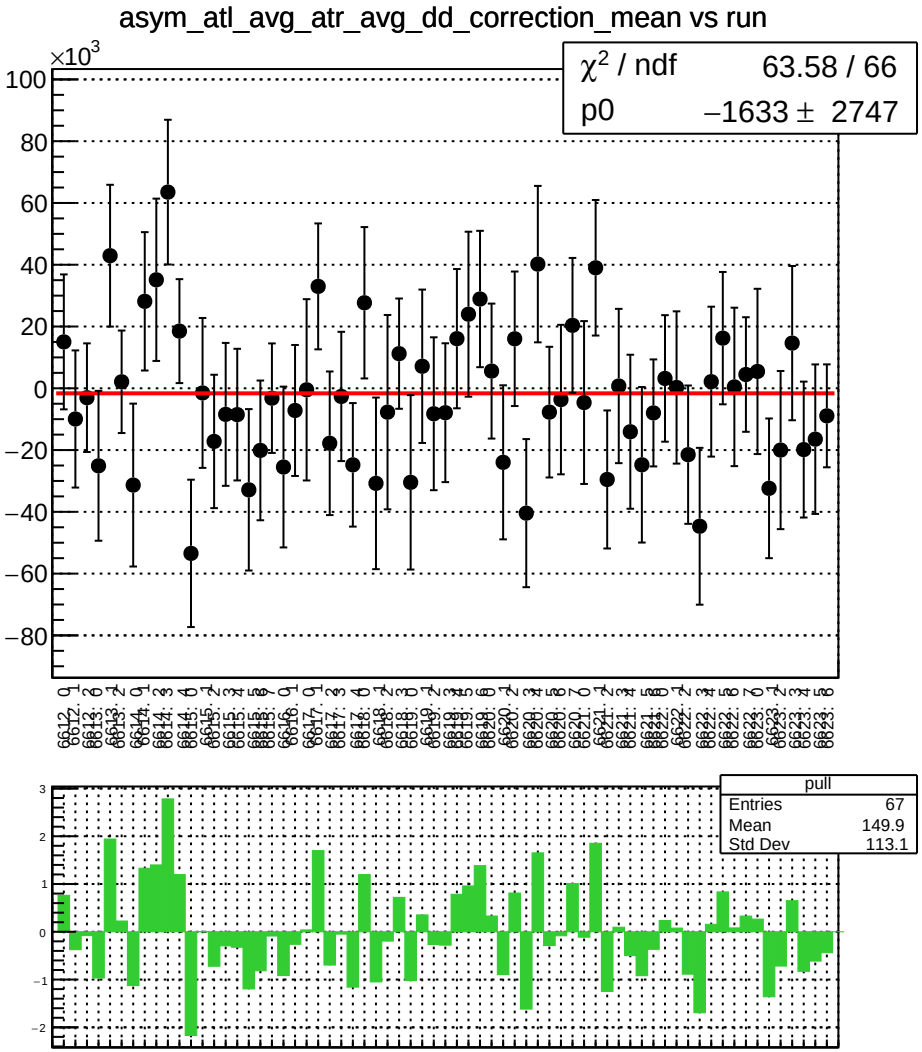

pull1D
Entries 67
Mean −0.01031
Std Dev 0.8593

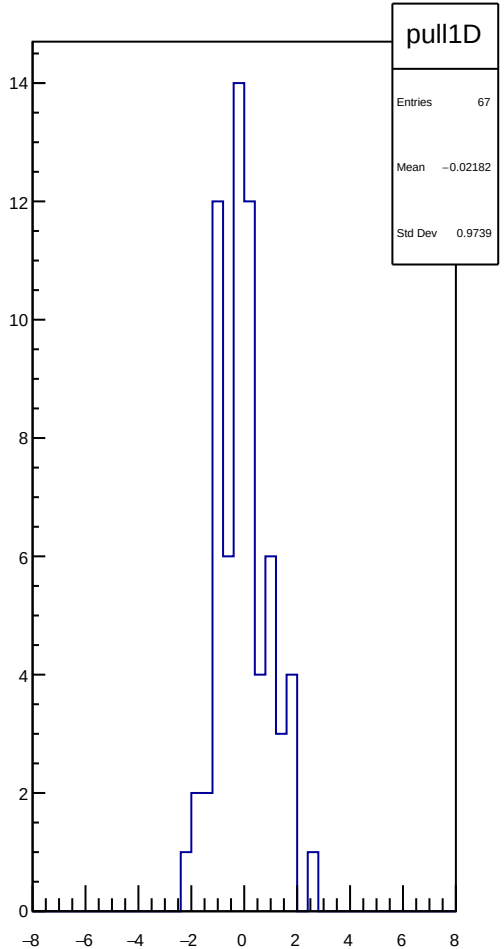
asym_atl_avg_atr_avg_avg_rms vs run

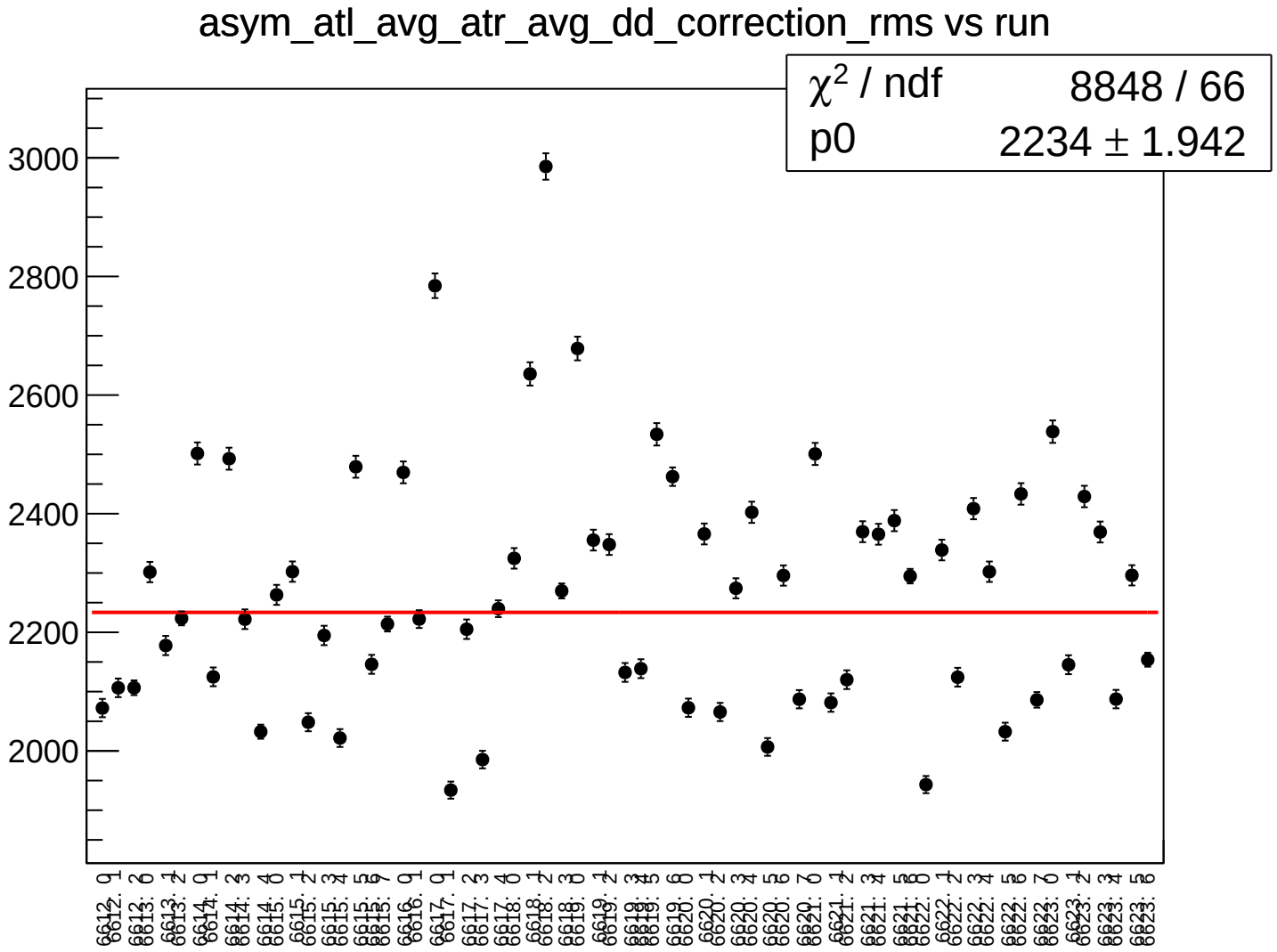


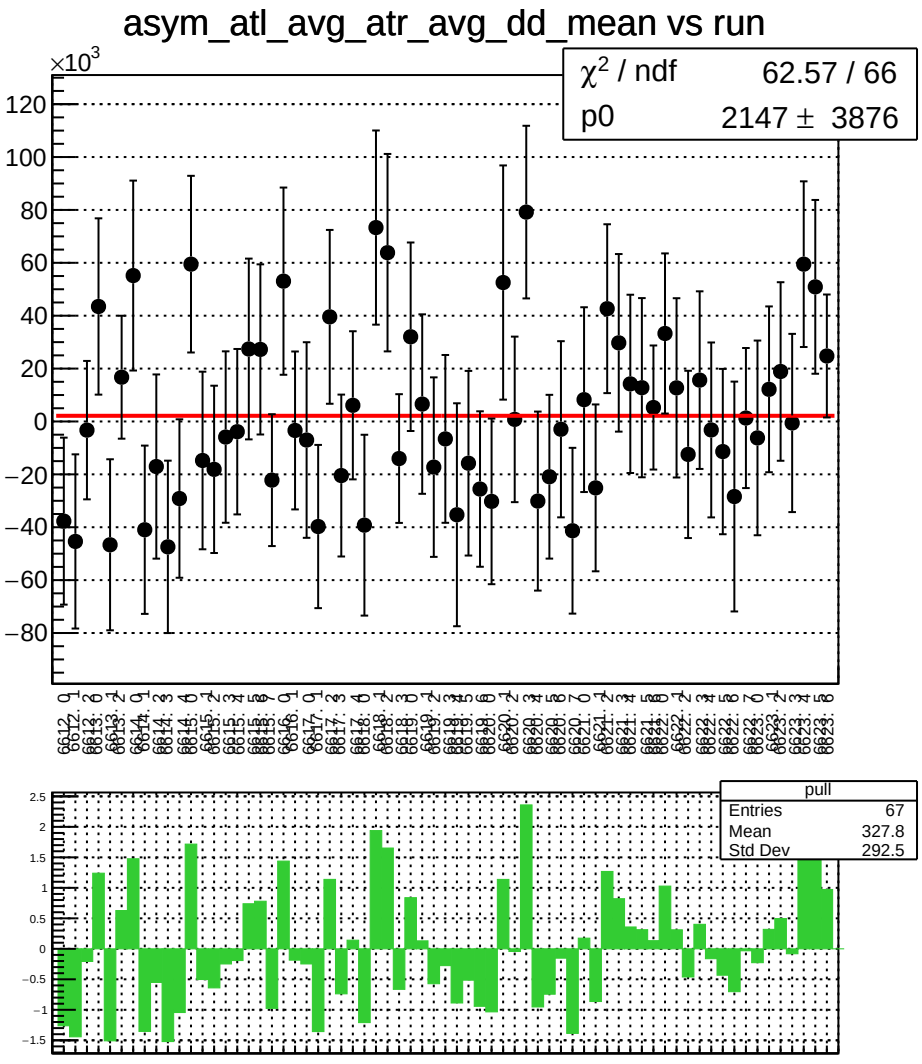

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 56.32 / 66
p0 680.8 ± 2786
pull
Entries 67
Mean −842.9
Std Dev 876.9
pull1D
Entries 67
Mean −0.003543
Std Dev 0.9168

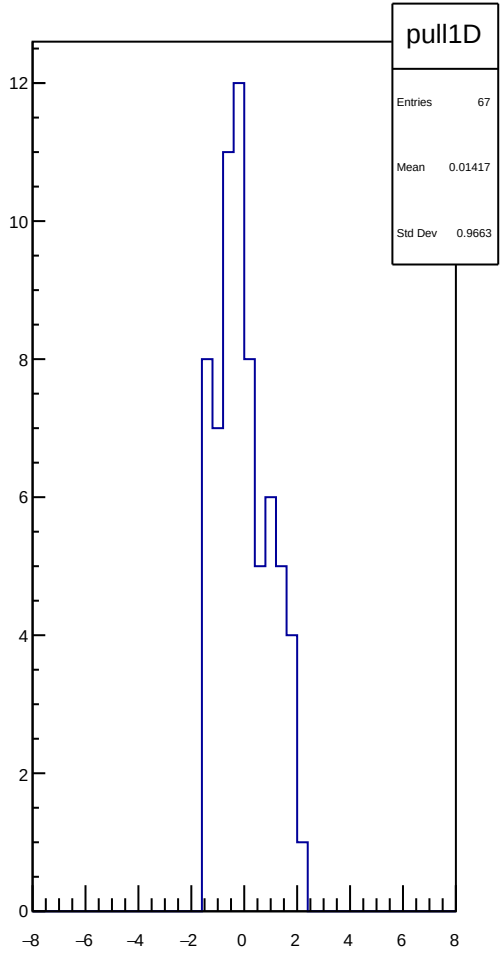

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 8764 / 66
p0 2266 ± 1.97
3600
3400
3200
3000
2800
2600
2400
2200

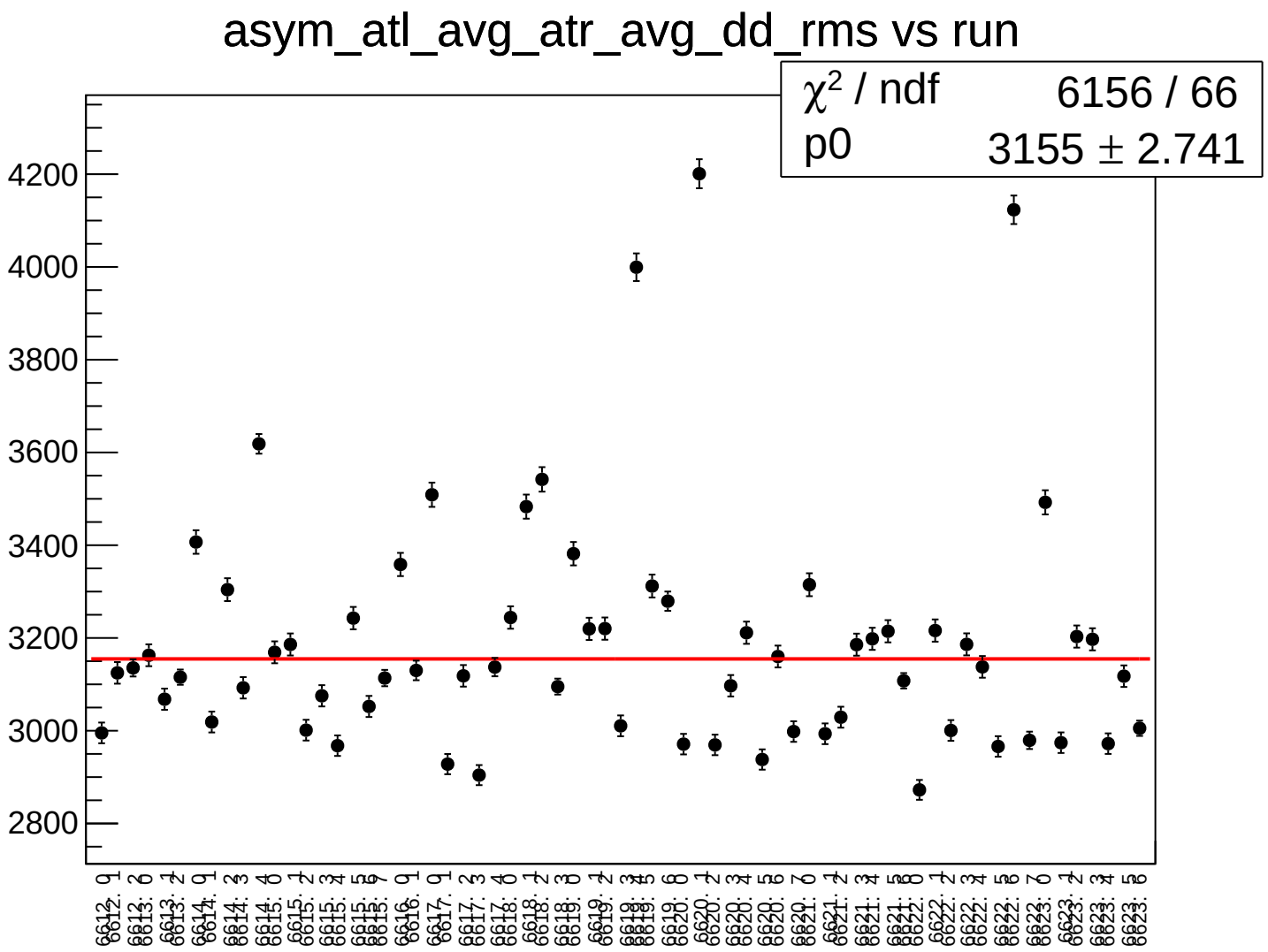

asym_atl_avg_atr_avg_dd_correction_mean vs run
×10^3
χ² / ndf 63.58 / 66
p0 −1633 ± 2747
pull
Entries 67
Mean 149.9
Std Dev 113.1

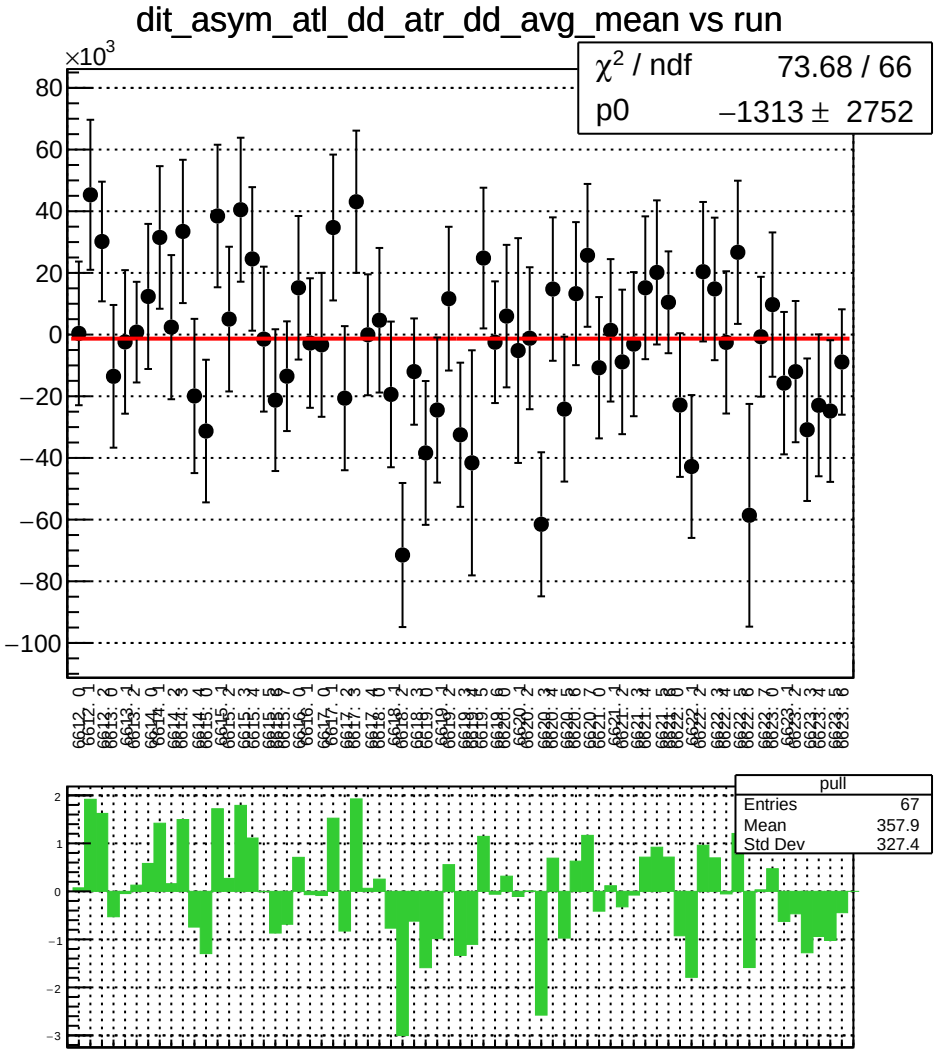

pull1D
Entries 67
Mean −0.02182
Std Dev 0.9739

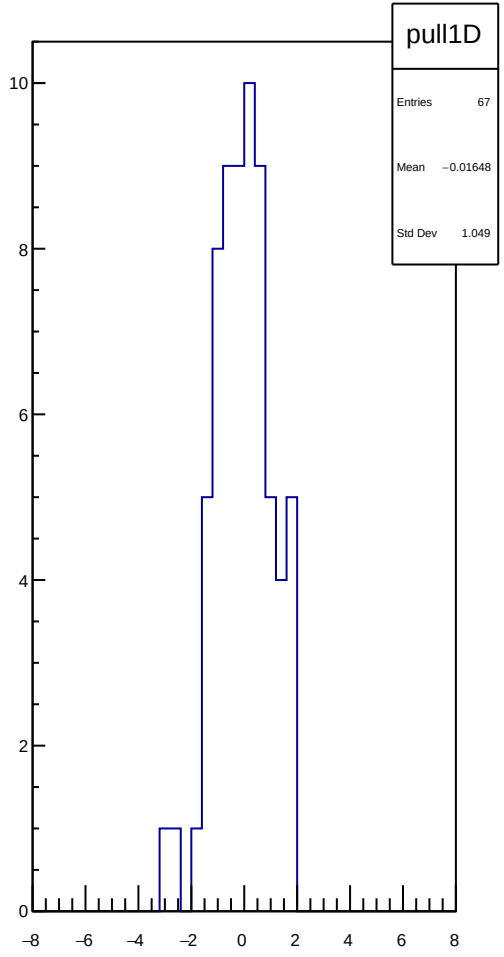

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 8848 / 66
p0 2234 ± 1.942
3000
2800
2600
2400
2200
2000

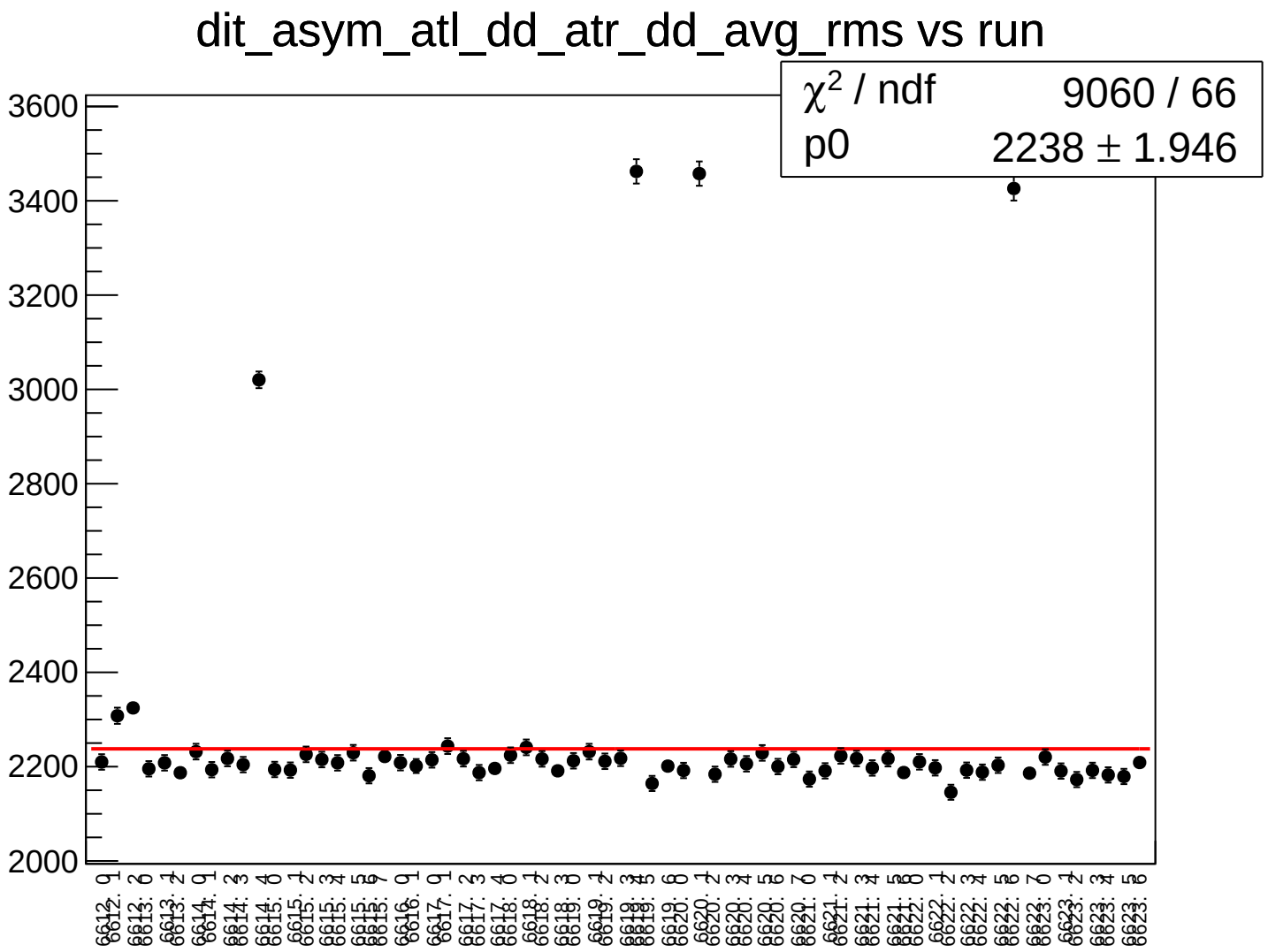

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 62.57 / 66
p0 2147 ± 3876
×10^3
pull
Entries 67
Mean 327.8
Std Dev 292.5

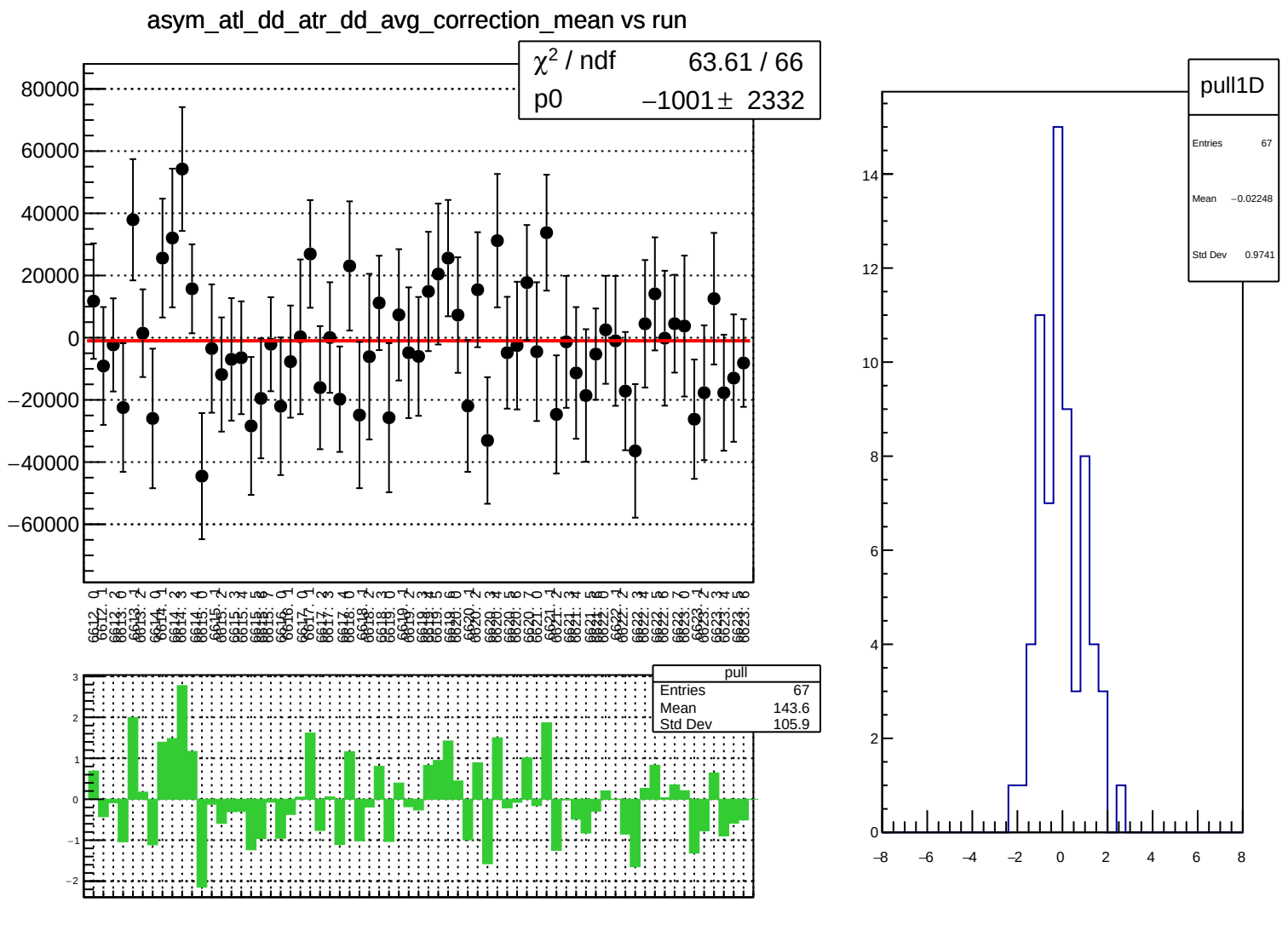

pull1D
Entries 67
Mean 0.01417
Std Dev 0.9663

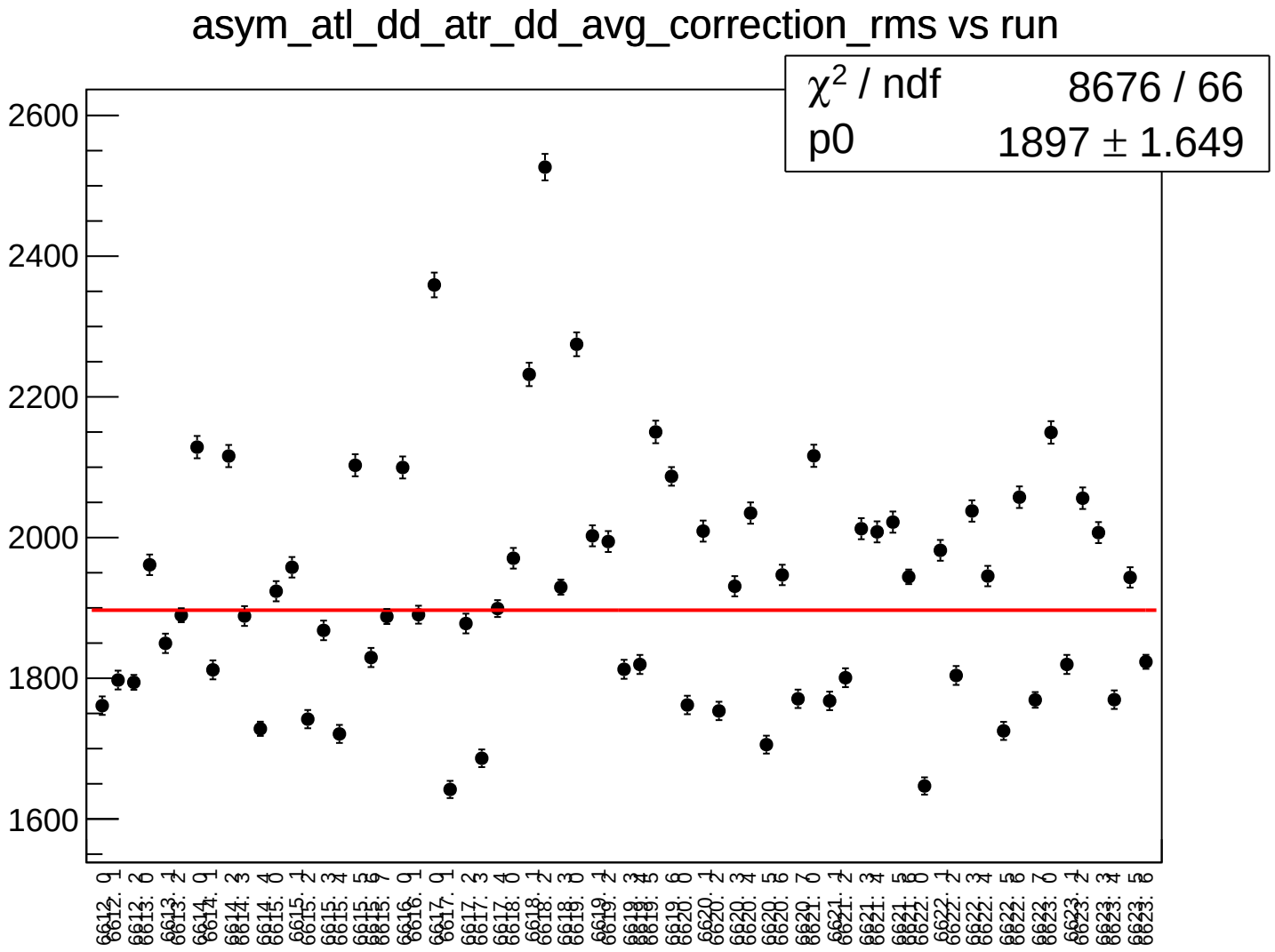

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6156 / 66
p0 3155 ± 2.741
4200
4000
3800
3600
3400
3200
3000
2800

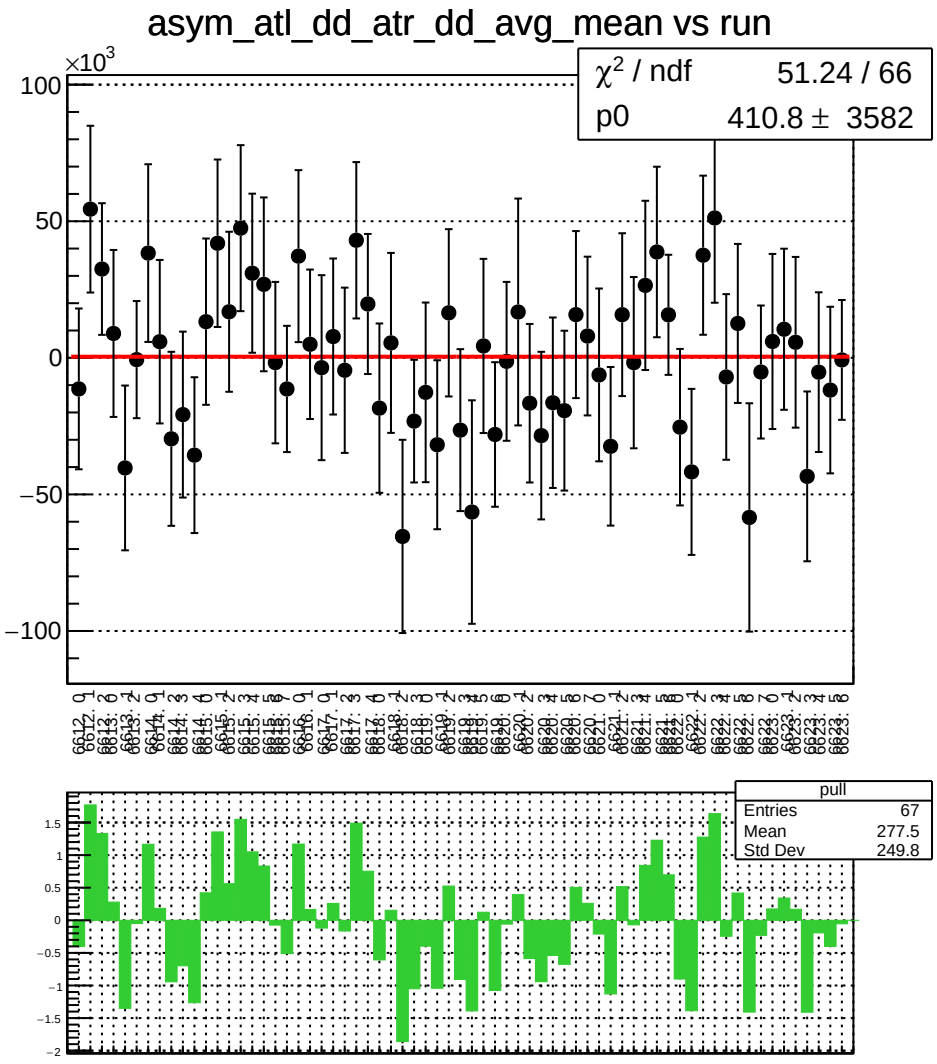

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 73.68 / 66
p0 −1313 ± 2752
pull
Entries 67
Mean 357.9
Std Dev 327.4

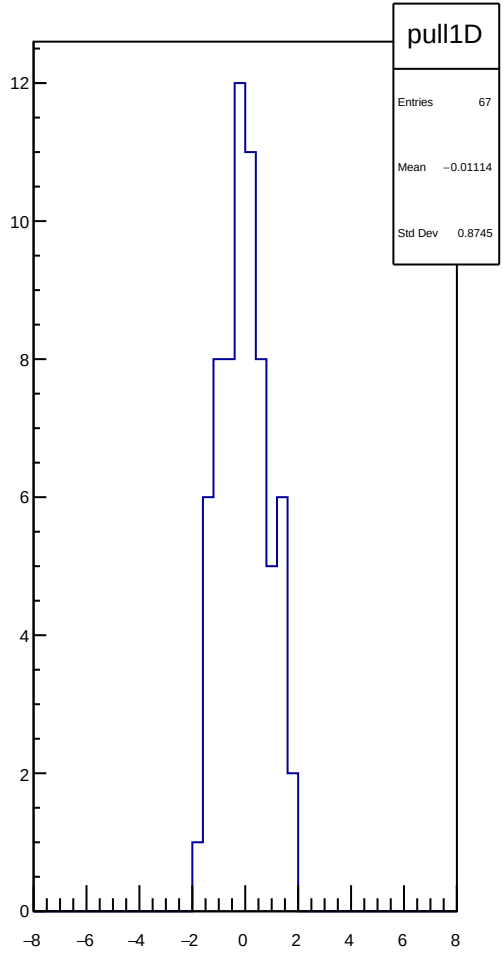

pull1D
Entries 67
Mean −0.01648
Std Dev 1.049


dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 9060 / 66
p0 2238 ± 1.946
3600
3400
3200
3000
2800
2600
2400
2200
2000

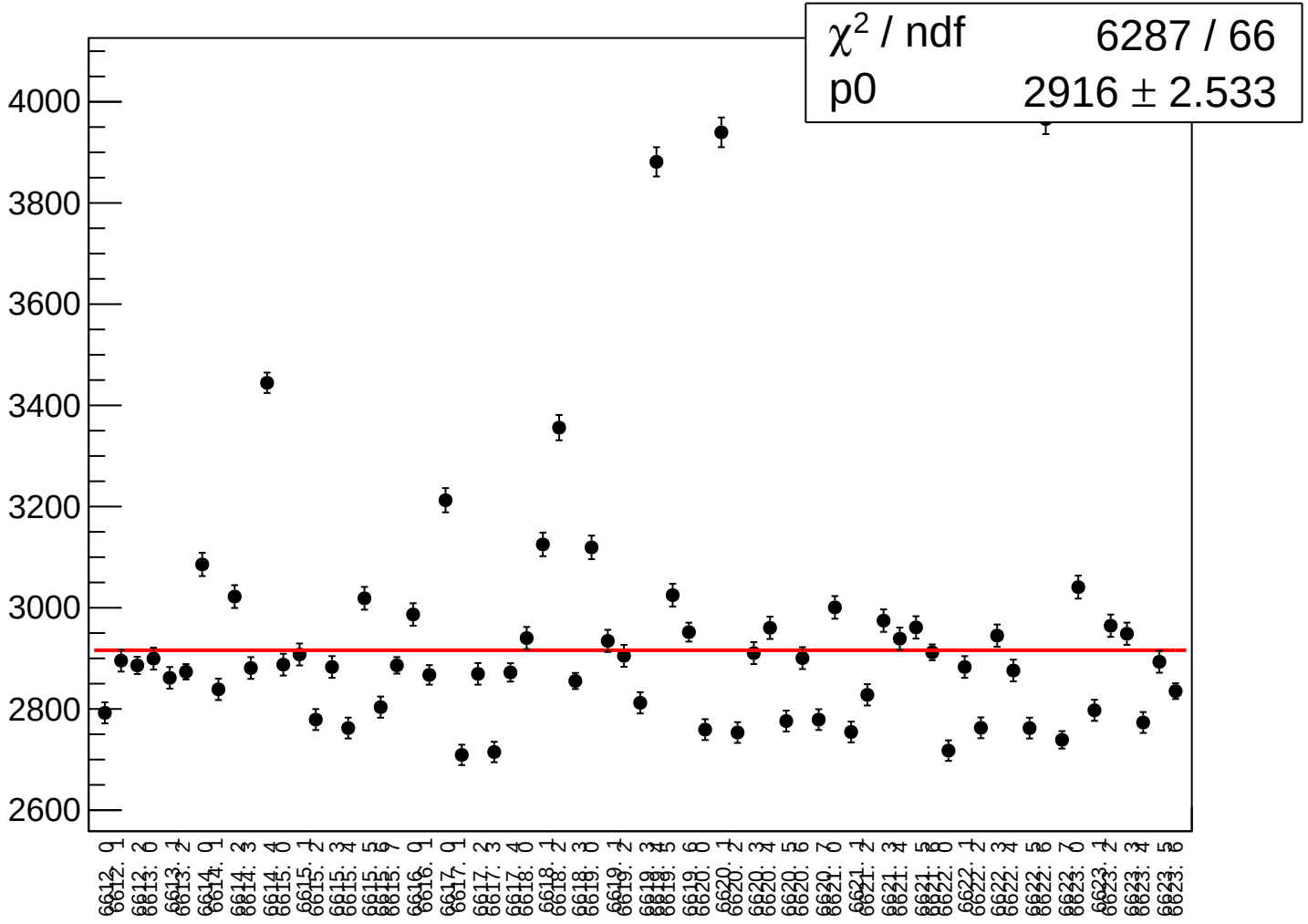

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 63.61 / 66
p0 −1001 ± 2332
pull
Entries 67
Mean 143.6
Std Dev 105.9
pull1D
Entries 67
Mean −0.02248
Std Dev 0.9741

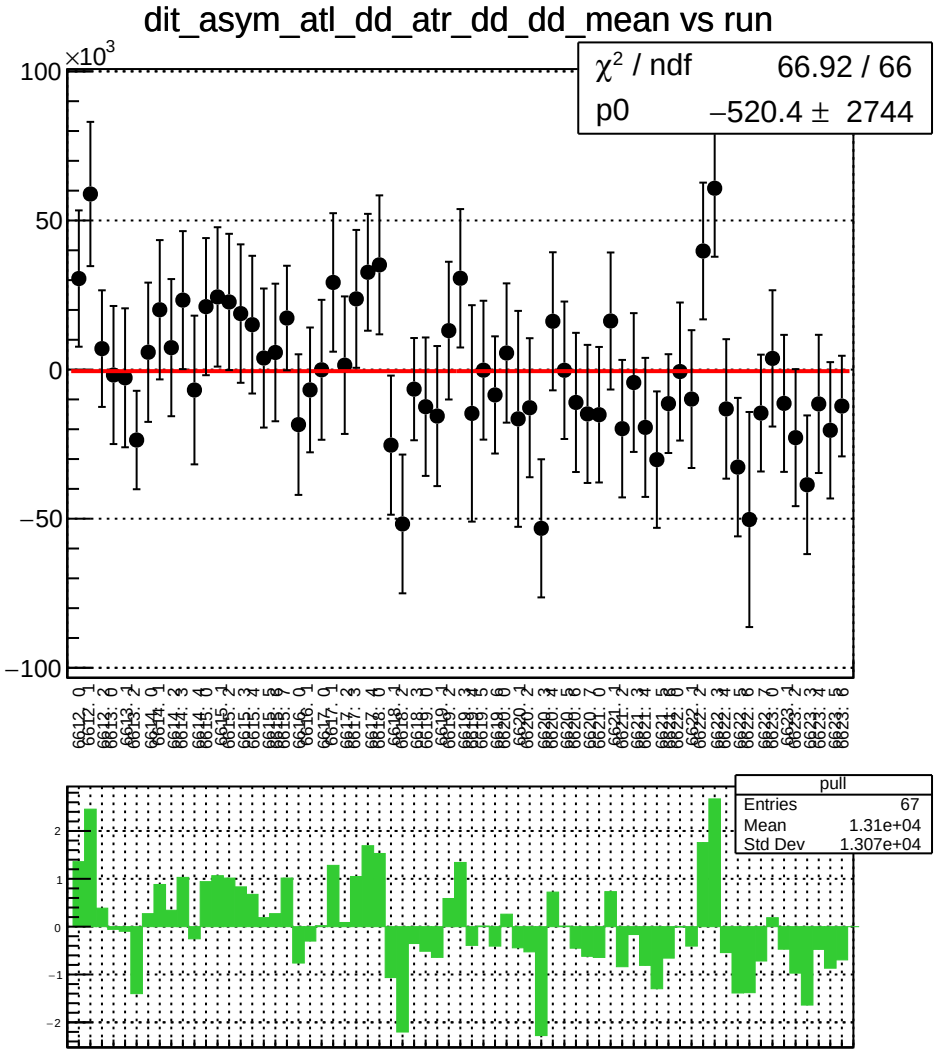

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ^2 / ndf 8676 / 66
p0 1897 ± 1.649
2600
2400
2200
2000
1800
1600

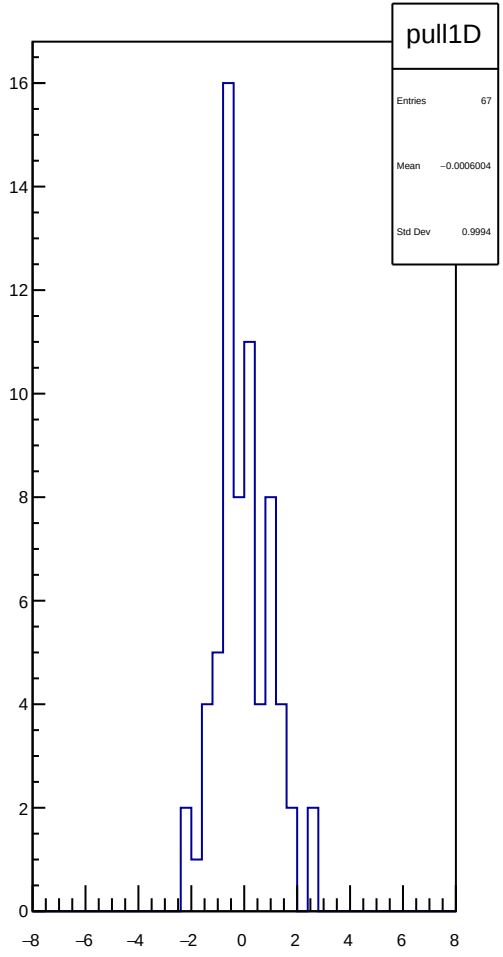

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 51.24 / 66
p0 410.8 ± 3582
pull
Entries 67
Mean 277.5
Std Dev 249.8


pull1D
Entries 67
Mean −0.01114
Std Dev 0.8745

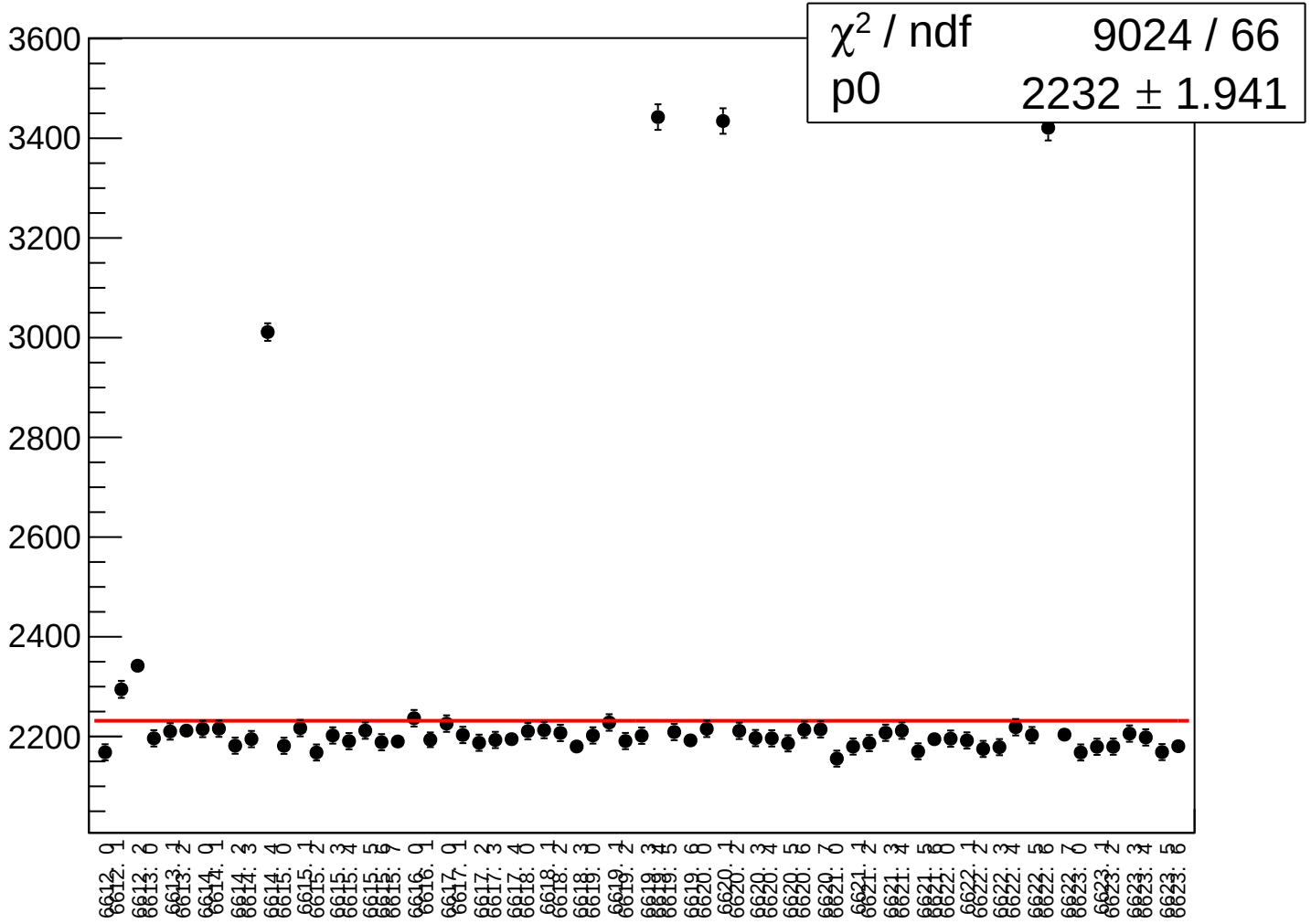
asym_atl_dd_atr_dd_avg_rms vs run

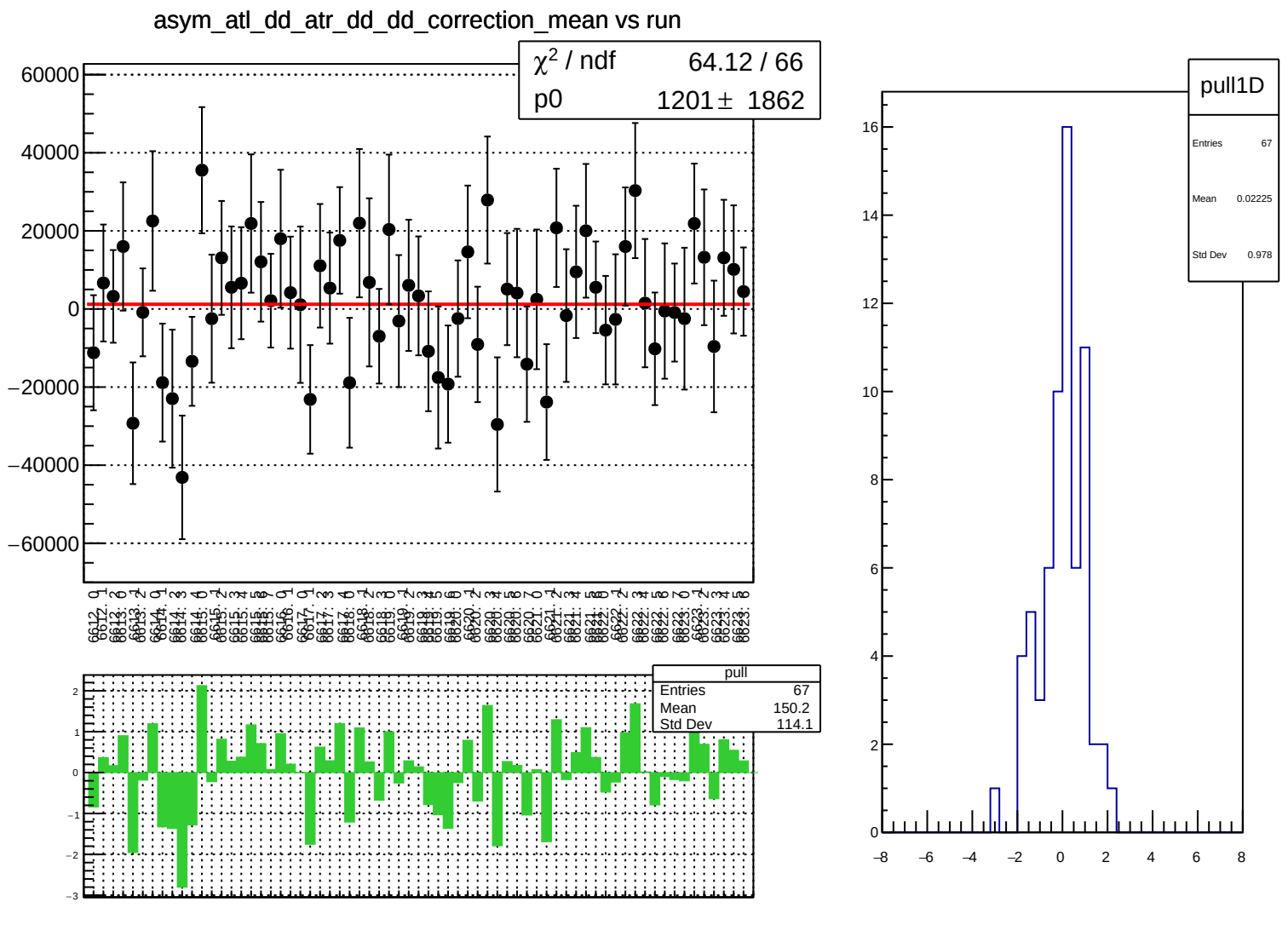


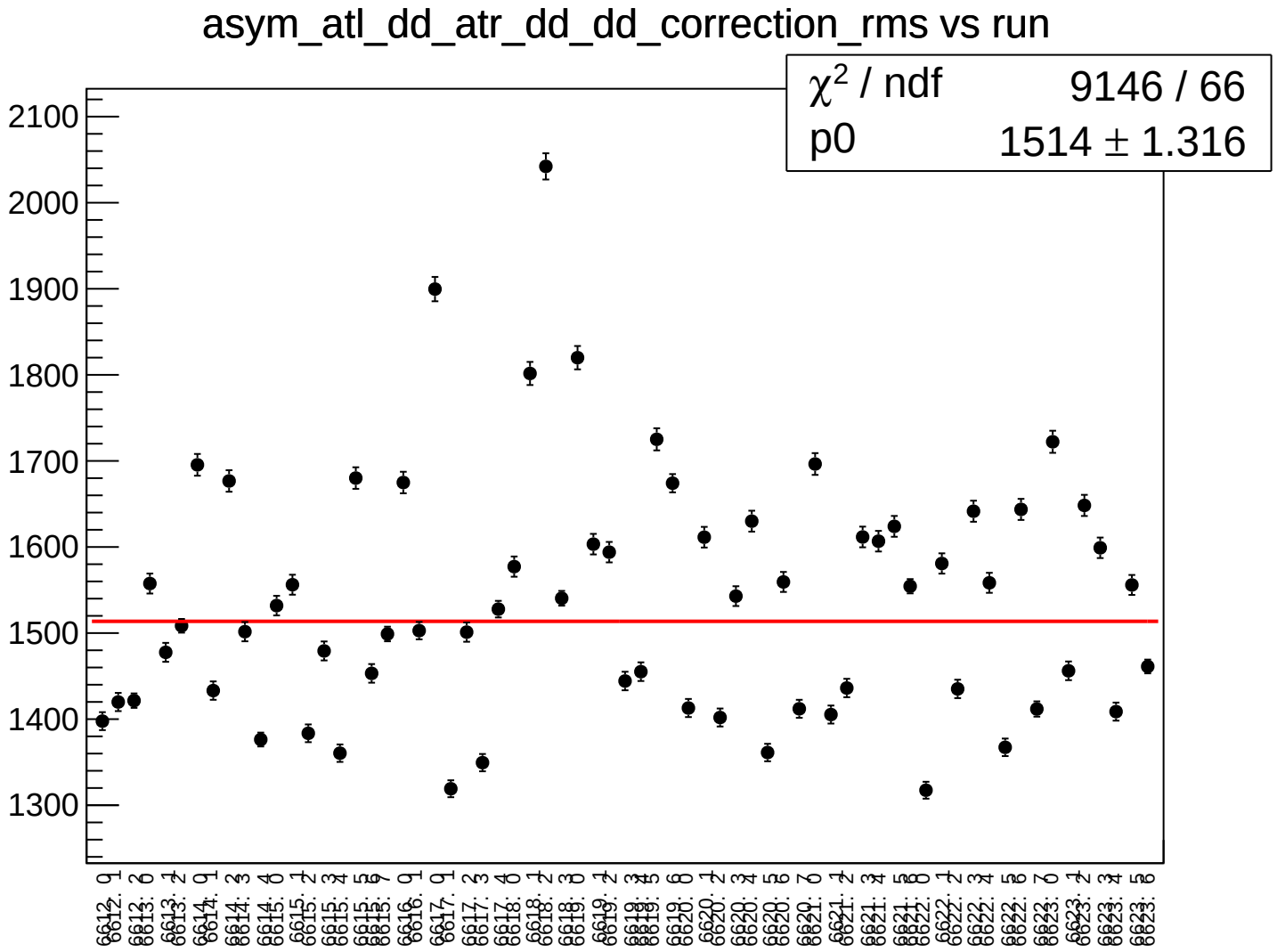

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 66.92 / 66
p0 −520.4 ± 2744
pull
Entries 67
Mean 1.31e+04
Std Dev 1.307e+04

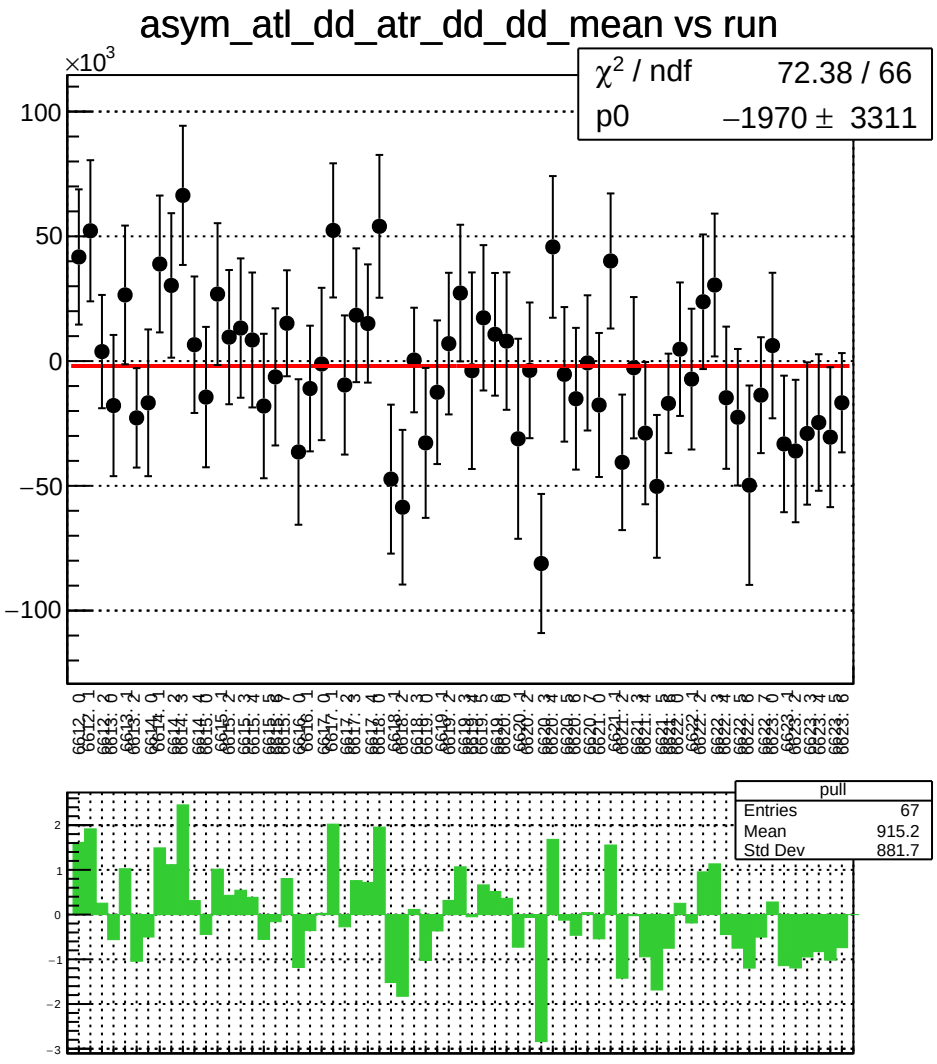

pull1D
Entries 67
Mean −0.0006004
Std Dev 0.9994

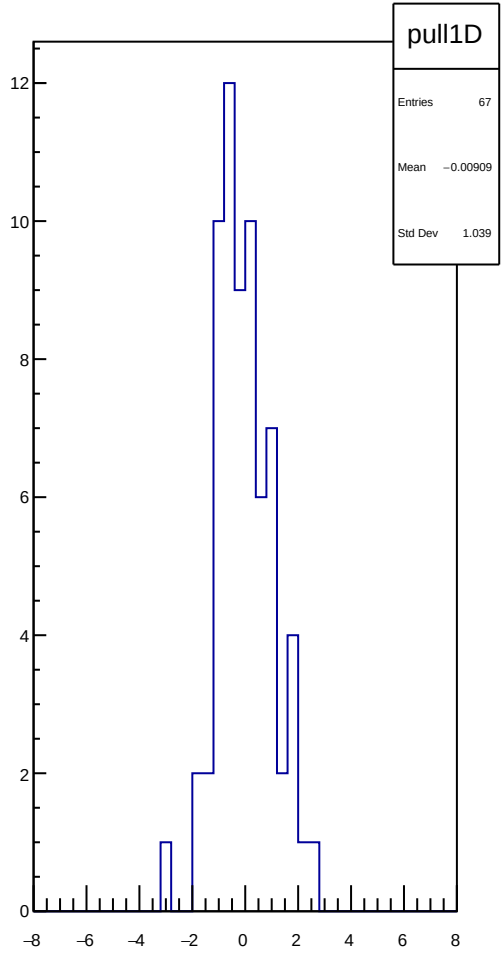
dit_asym_atl_dd_atr_dd_dd_rms vs run

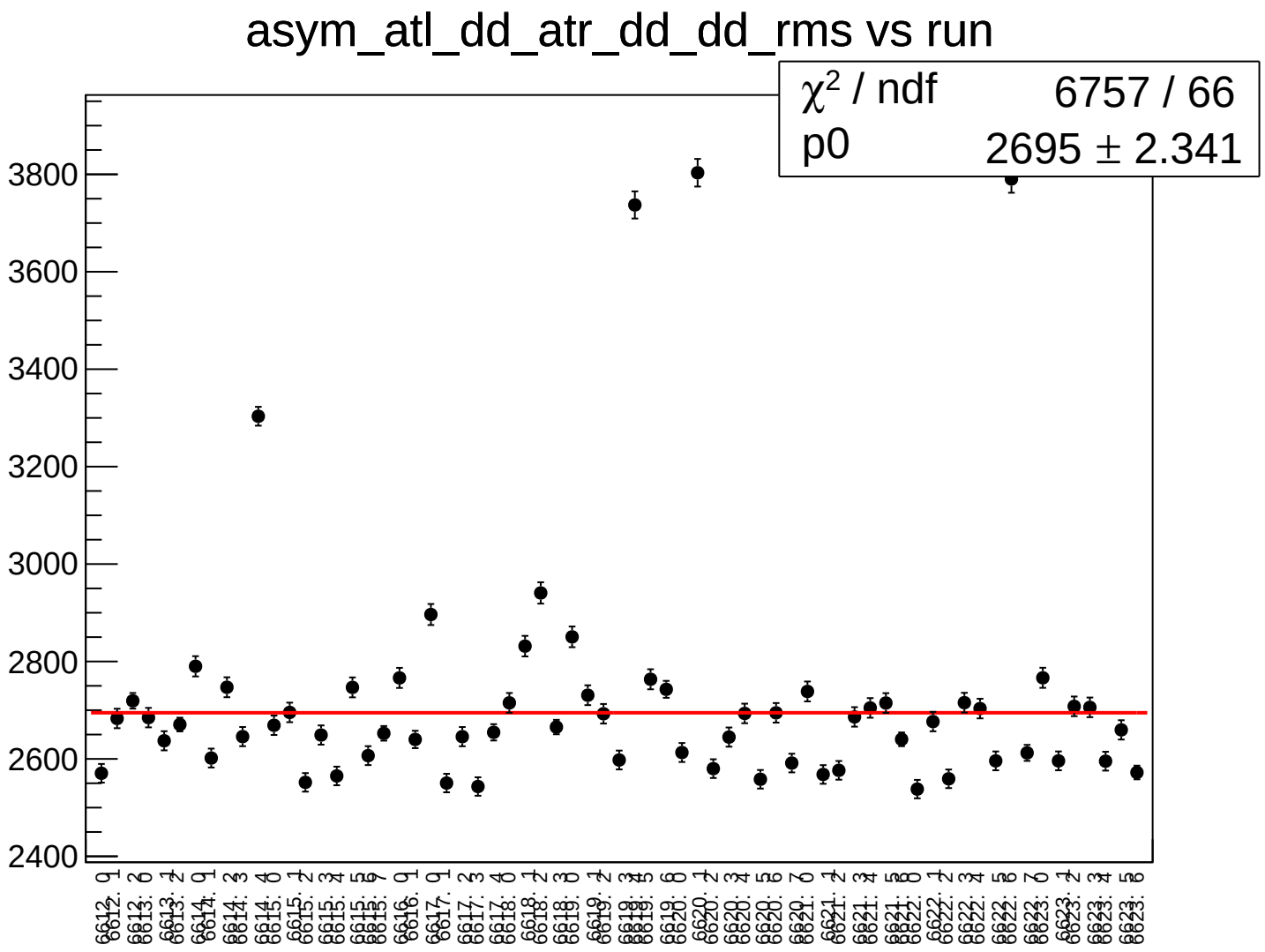


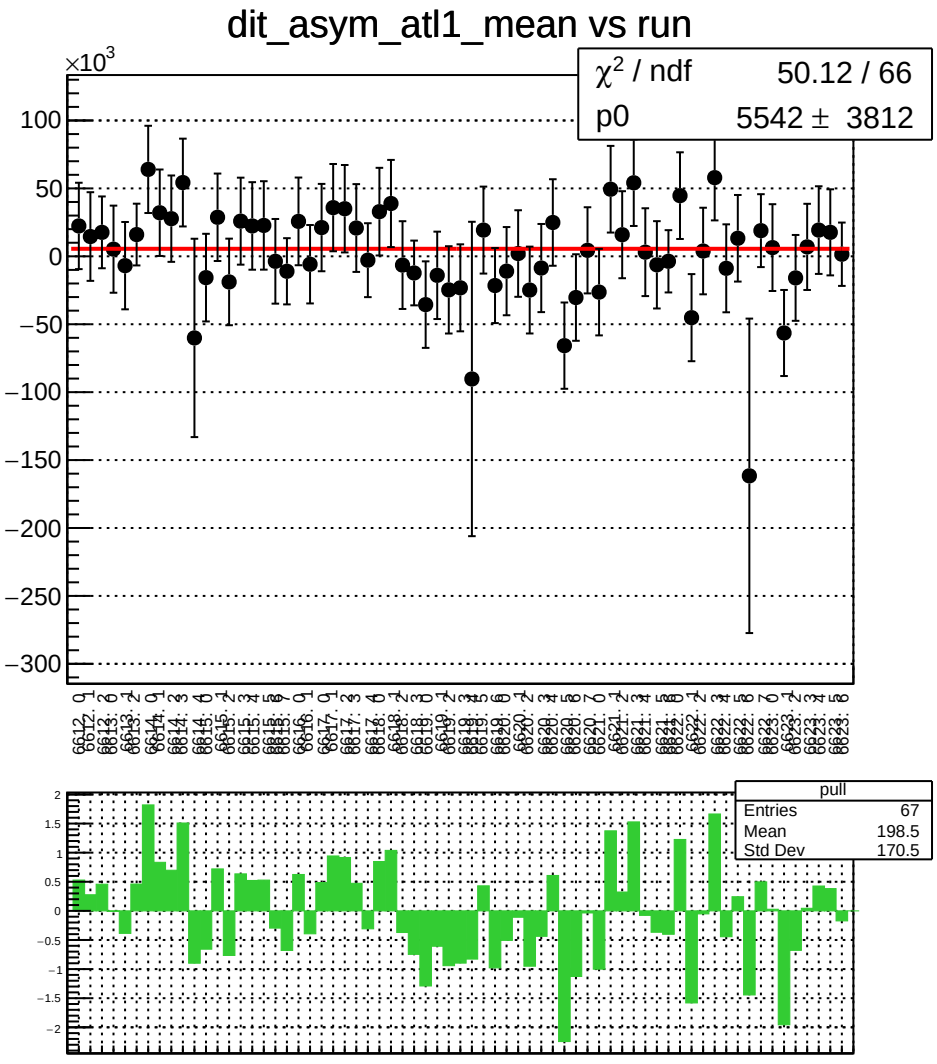

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 64.12 / 66
p0 1201 ± 1862
pull
Entries 67
Mean 150.2
Std Dev 114.1
pull1D
Entries 67
Mean 0.02225
Std Dev 0.978

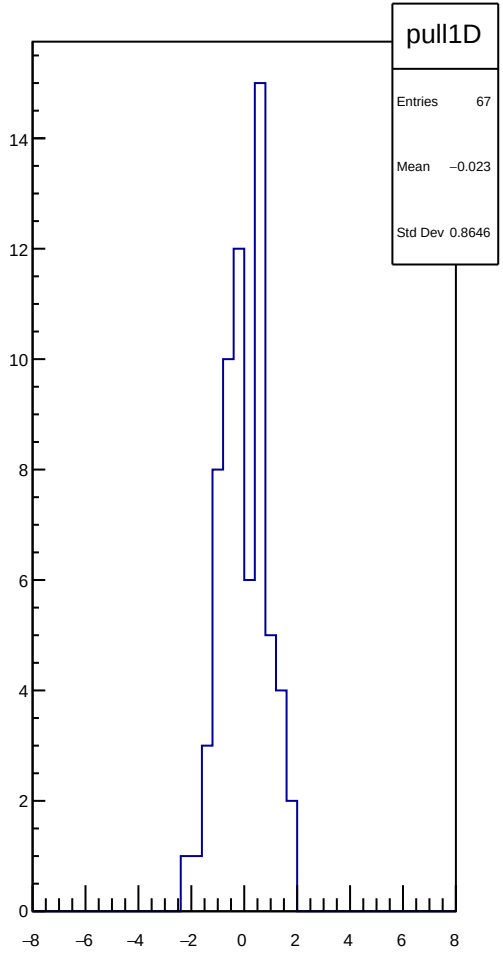

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 9146 / 66
p0 1514 ± 1.316
2100
2000
1900
1800
1700
1600
1500
1400
1300

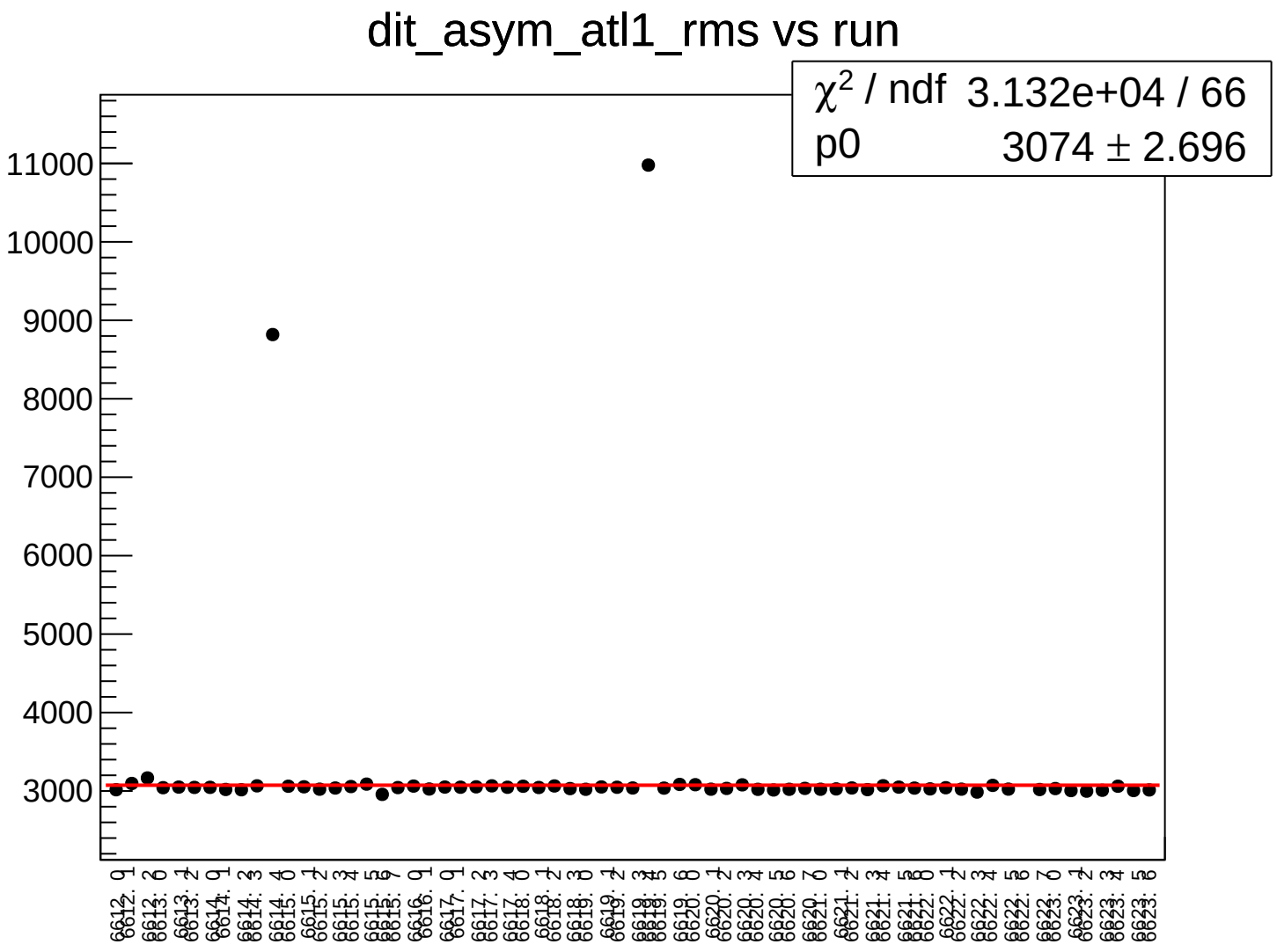

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 72.38 / 66
p0 −1970 ± 3311
pull
Entries 67
Mean 915.2
Std Dev 881.7

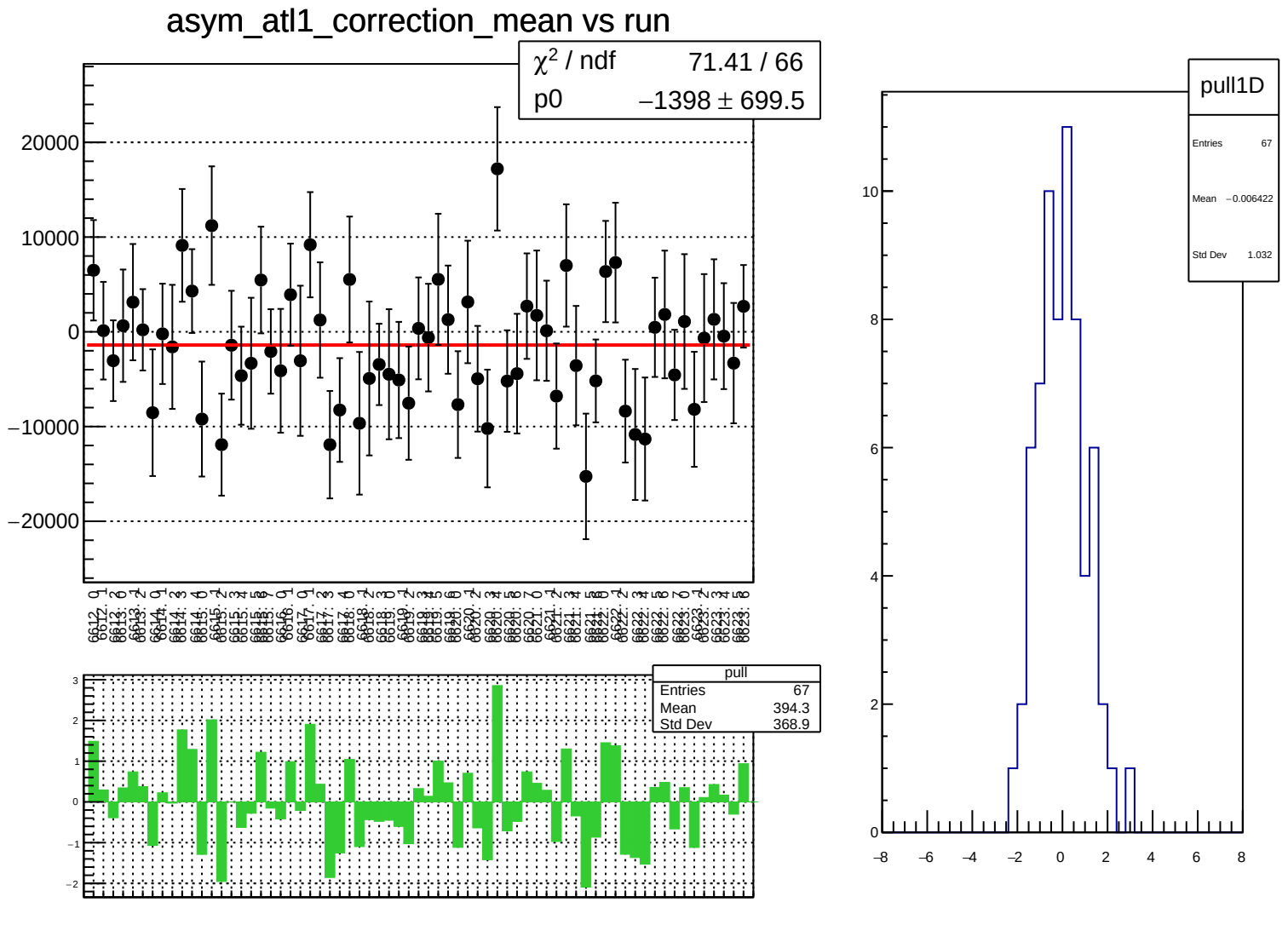

pull1D
Entries 67
Mean −0.00909
Std Dev 1.039


asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6757 / 66
p0 2695 ± 2.341
3800
3600
3400
3200
3000
2800
2600
2400

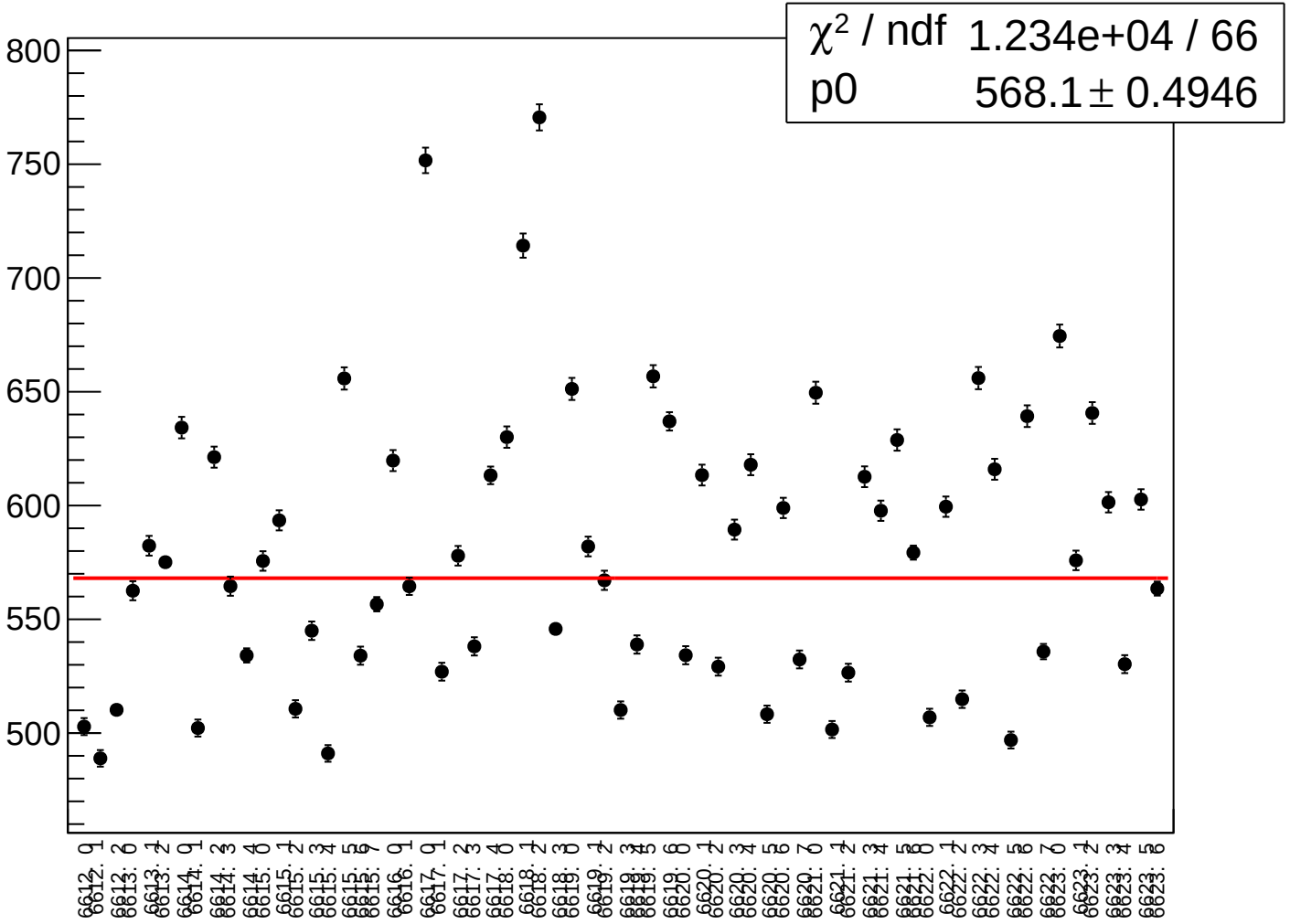

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 50.12 / 66
p0 5542 ± 3812
pull
Entries 67
Mean 198.5
Std Dev 170.5

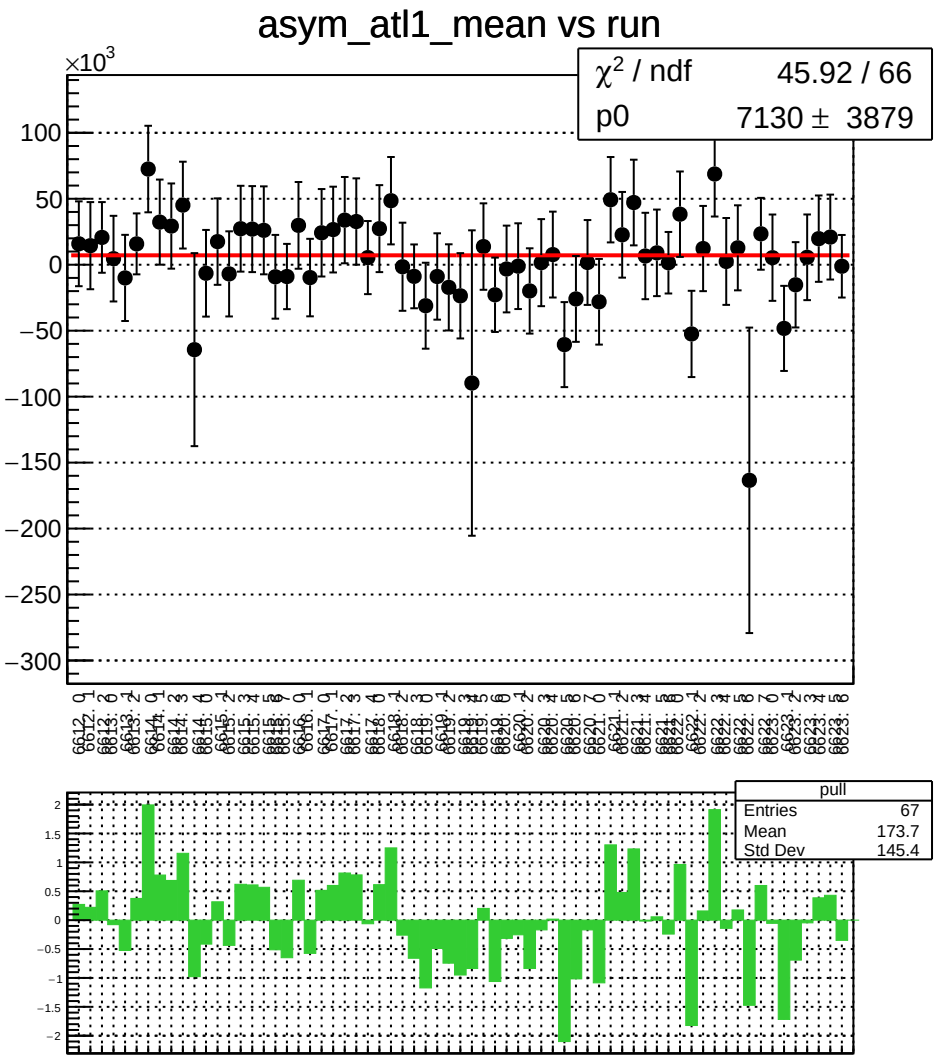

pull1D
Entries 67
Mean −0.023
Std Dev 0.8646

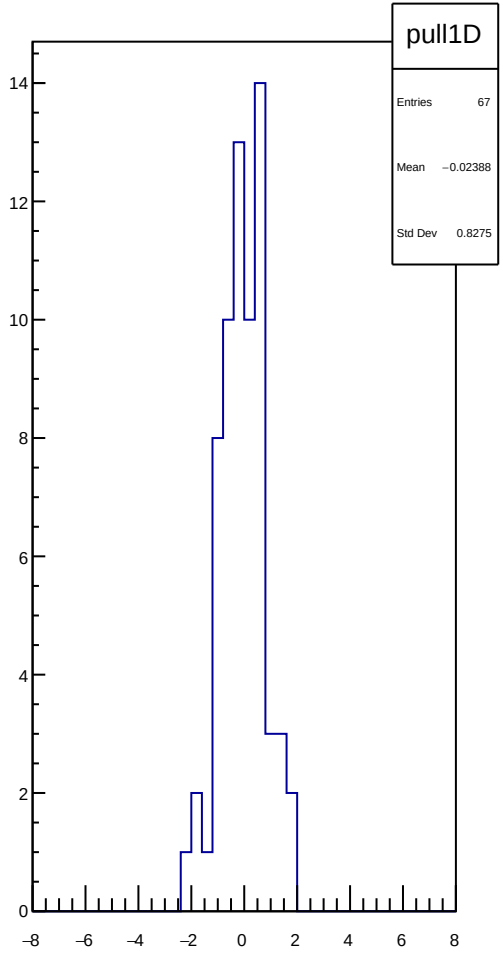

dit_asym_atl1_rms vs run
χ² / ndf 3.132e+04 / 66
p0 3074 ± 2.696
11000
10000
9000
8000
7000
6000
5000
4000
3000

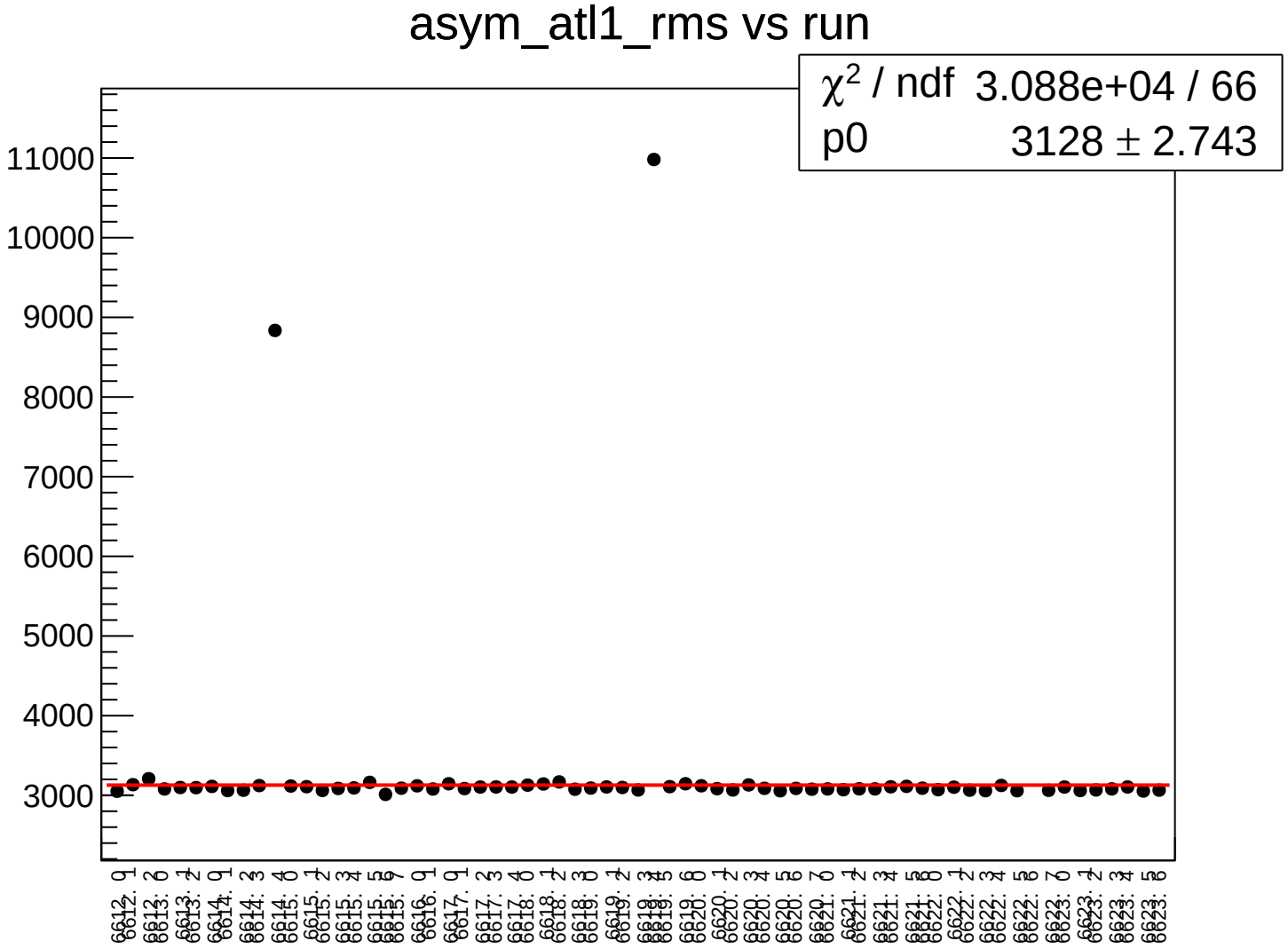

asym_atl1_correction_mean vs run
χ² / ndf 71.41 / 66
p0 −1398 ± 699.5
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 394.3
Std Dev 368.9
pull1D
Entries 67
Mean −0.006422
Std Dev 1.032

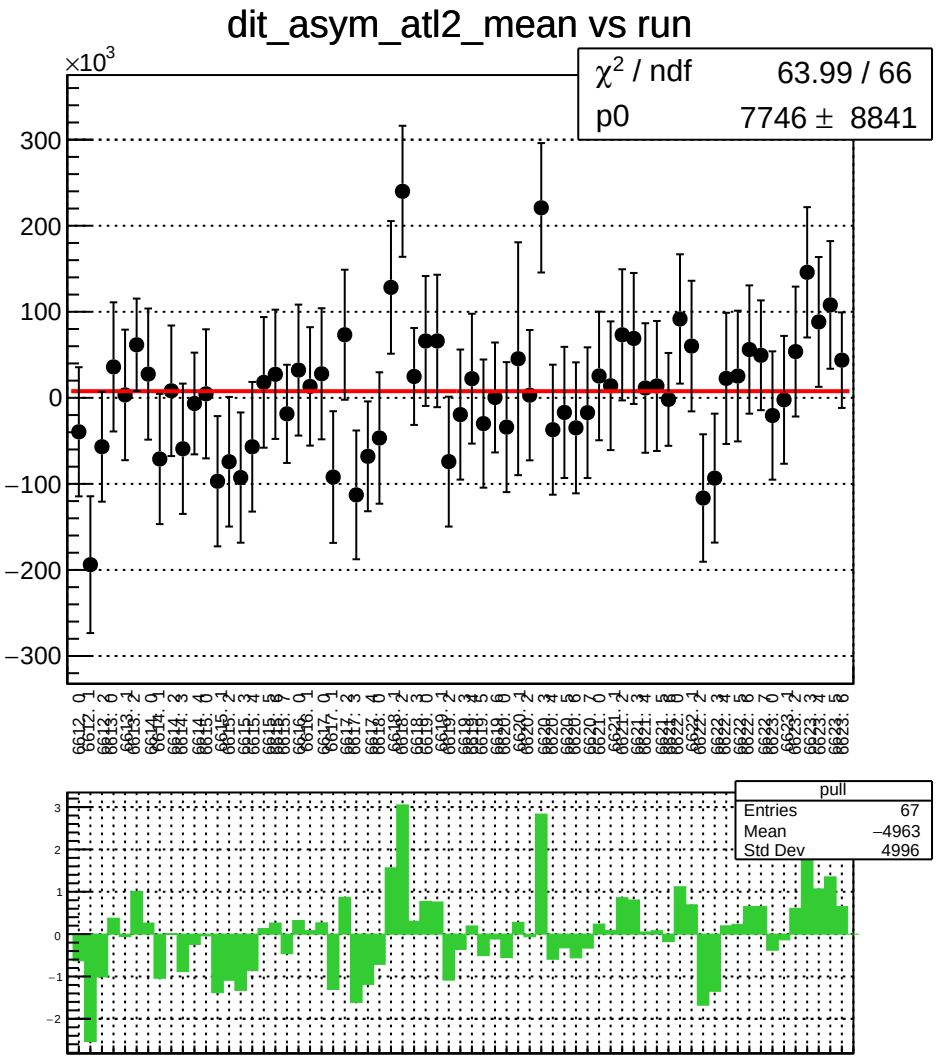
asym_atl1_correction_rms vs run

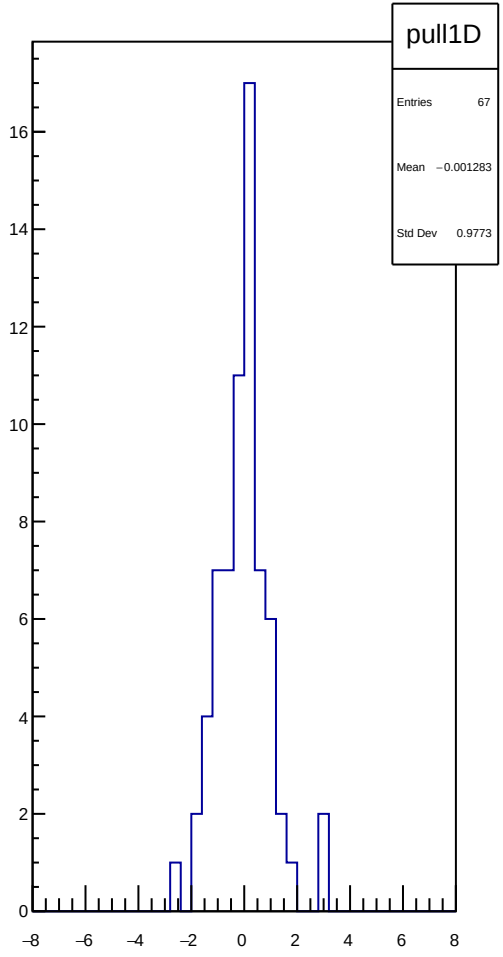


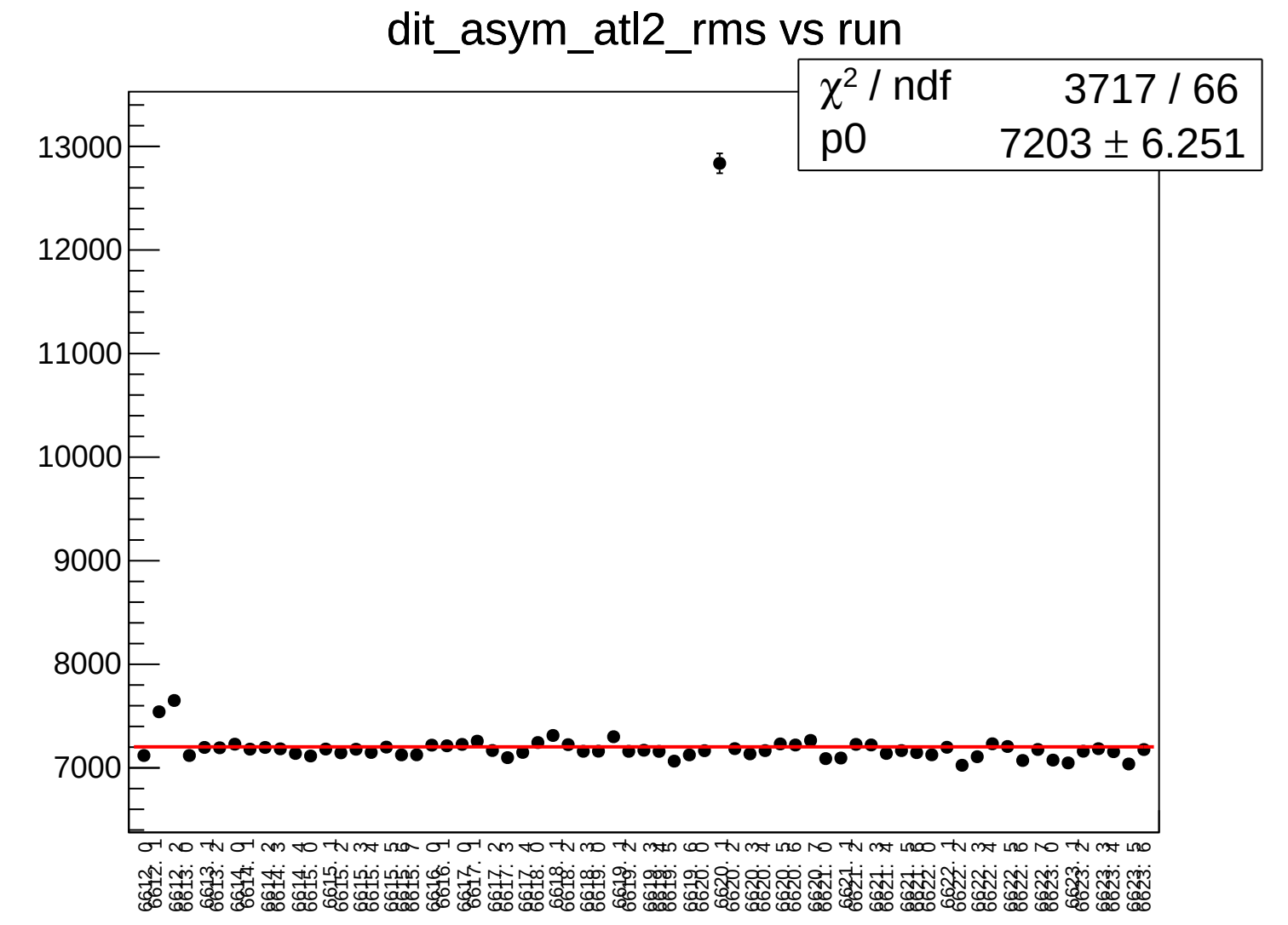

asym_atl1_mean vs run
×10^3
χ² / ndf 45.92 / 66
p0 7130 ± 3879
pull
Entries 67
Mean 173.7
Std Dev 145.4

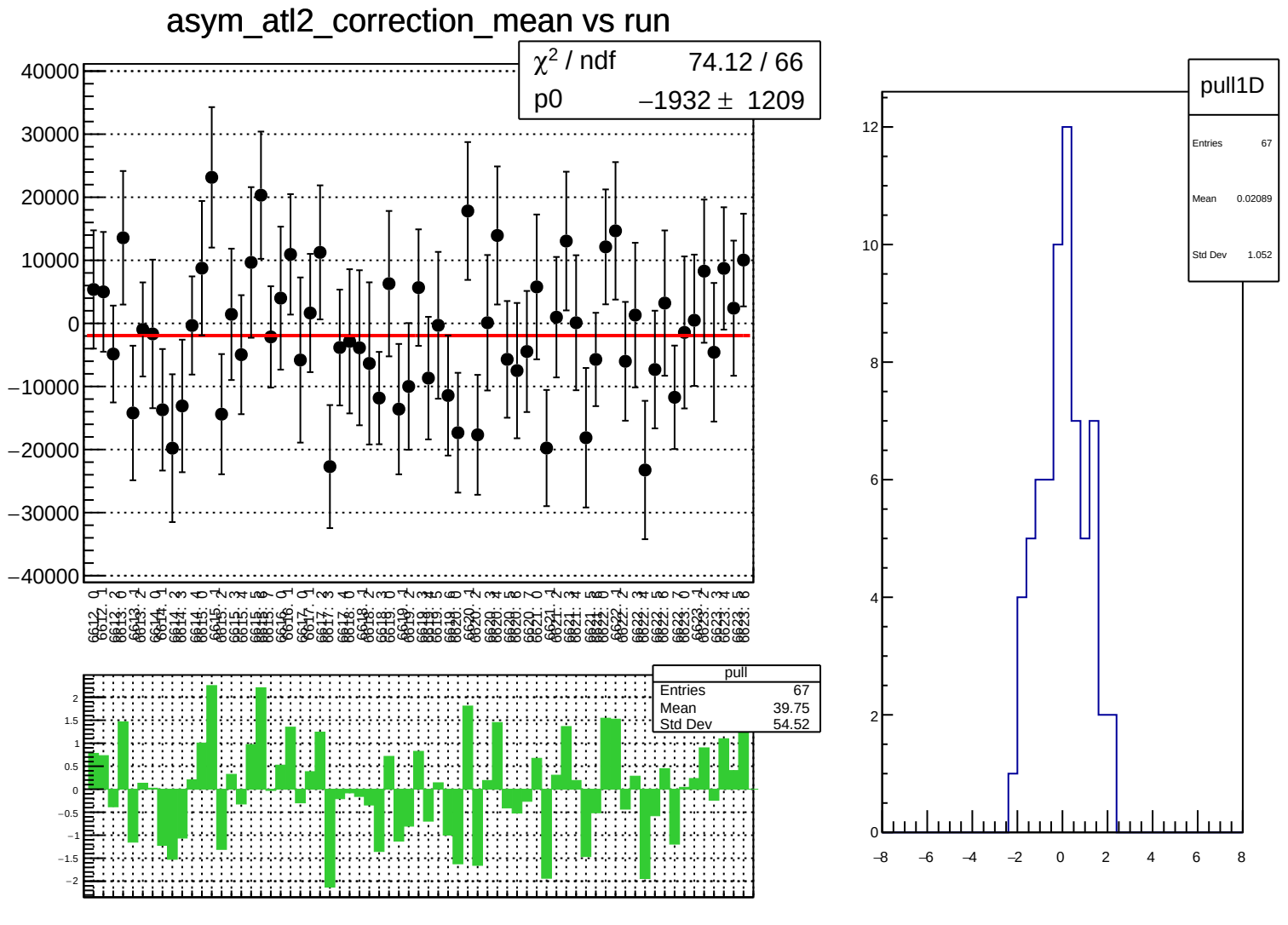

pull1D
Entries 67
Mean −0.02388
Std Dev 0.8275

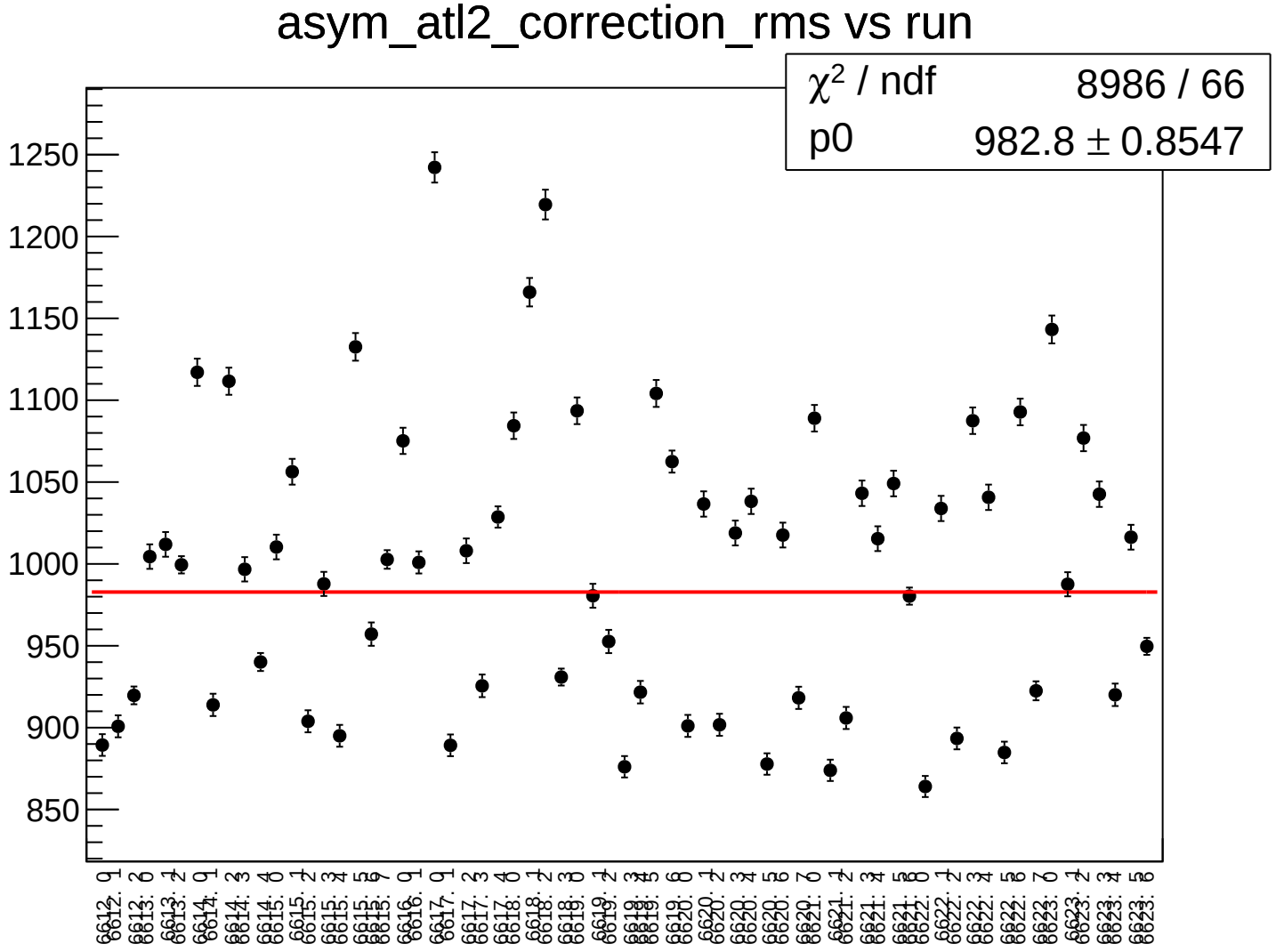

asym_atl1_rms vs run
χ2 / ndf 3.088e+04 / 66
p0 3128 ± 2.743
11000
10000
9000
8000
7000
6000
5000
4000
3000

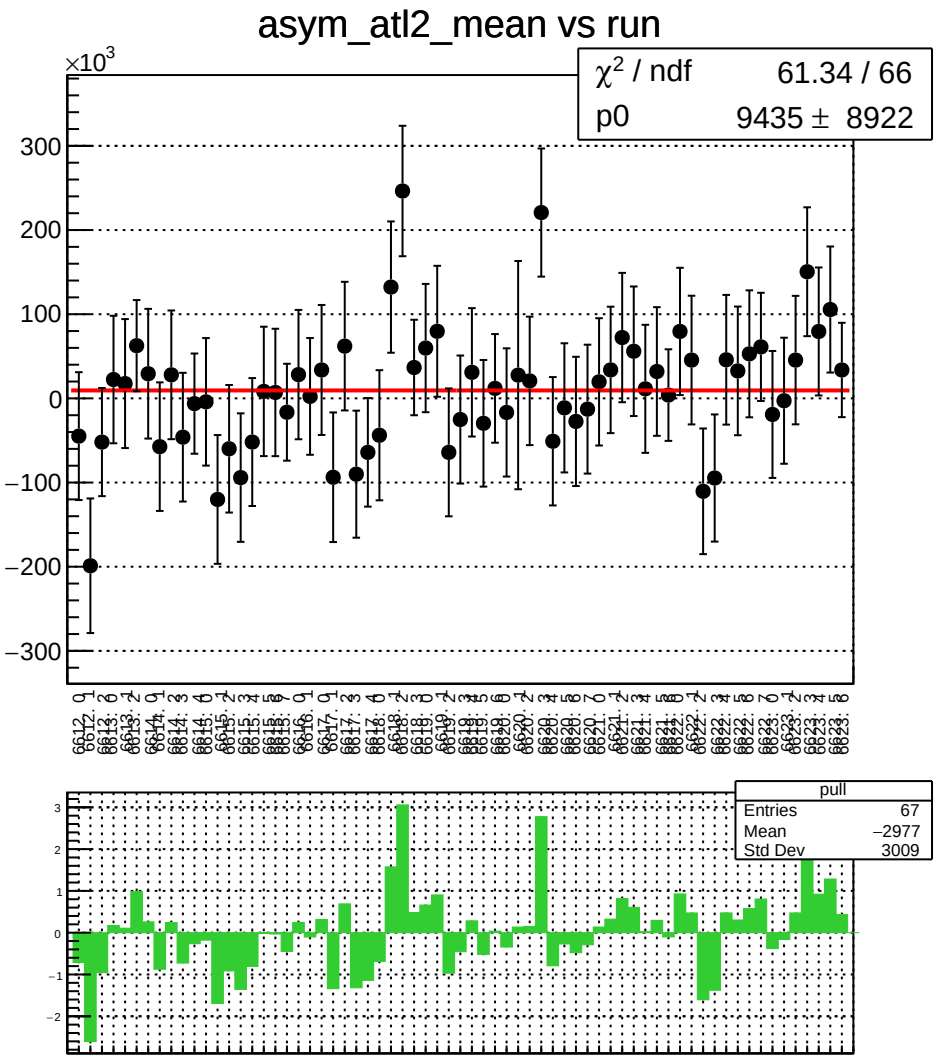

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 63.99 / 66
p0 7746 ± 8841
pull
Entries 67
Mean −4963
Std Dev 4996

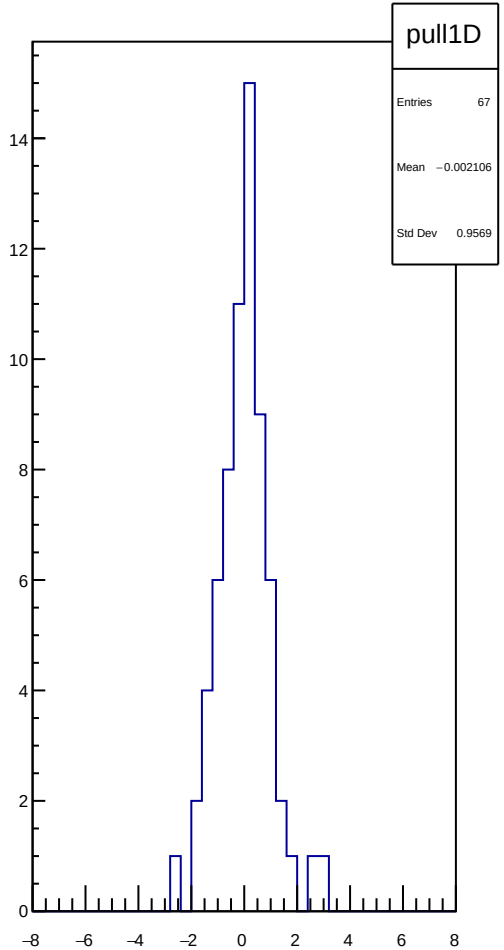

pull1D
Entries 67
Mean −0.001283
Std Dev 0.9773

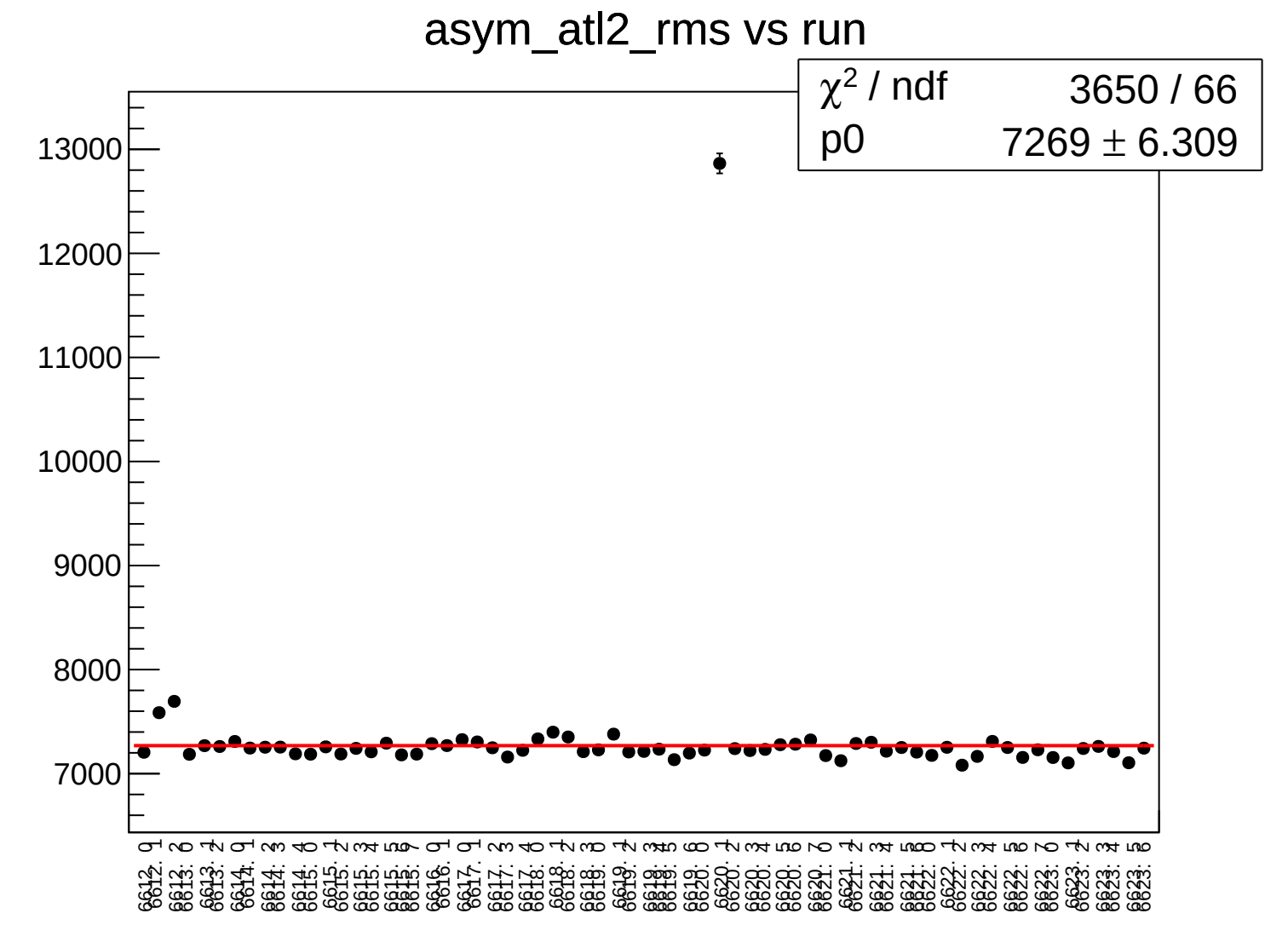

dit_asym_atl2_rms vs run
χ² / ndf 3717 / 66
p0 7203 ± 6.251
13000
12000
11000
10000
9000
8000
7000

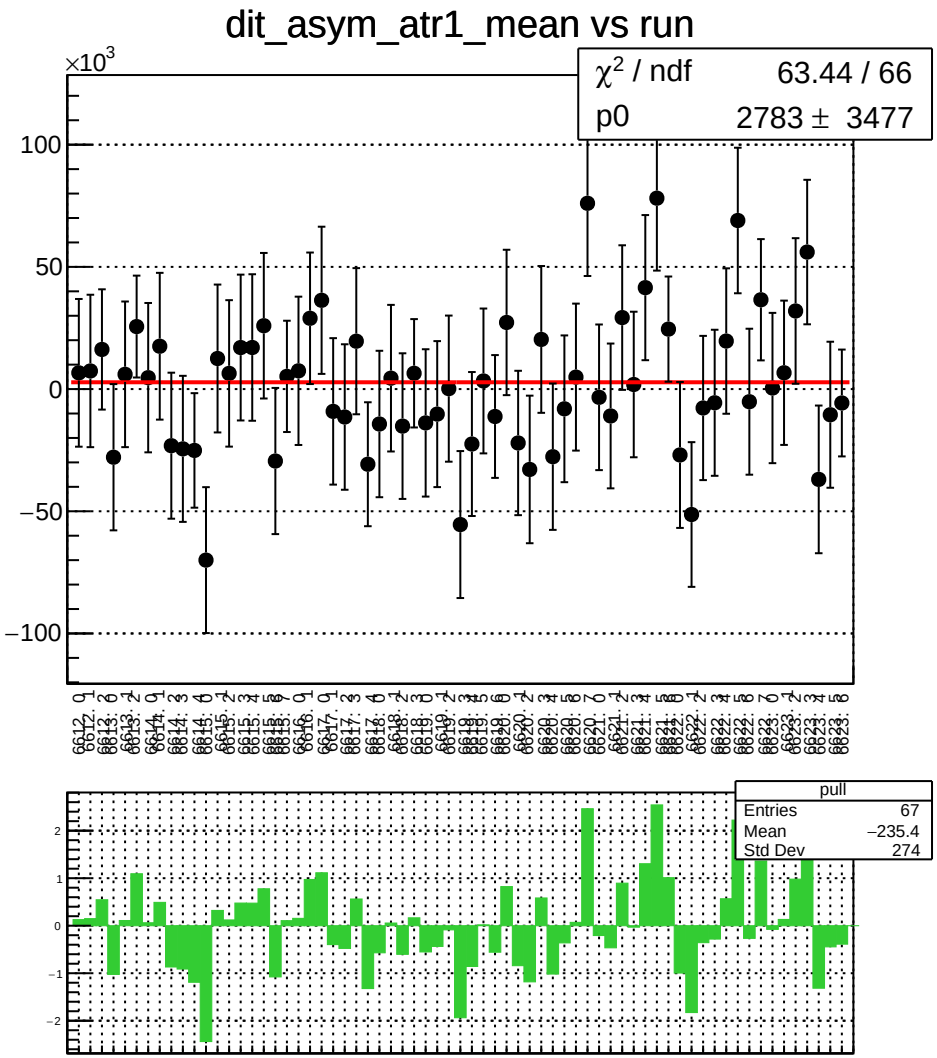

asym_atl2_correction_mean vs run
χ² / ndf 74.12 / 66
p0 −1932 ± 1209
pull
Entries 67
Mean 39.75
Std Dev 54.52
pull1D
Entries 67
Mean 0.02089
Std Dev 1.052

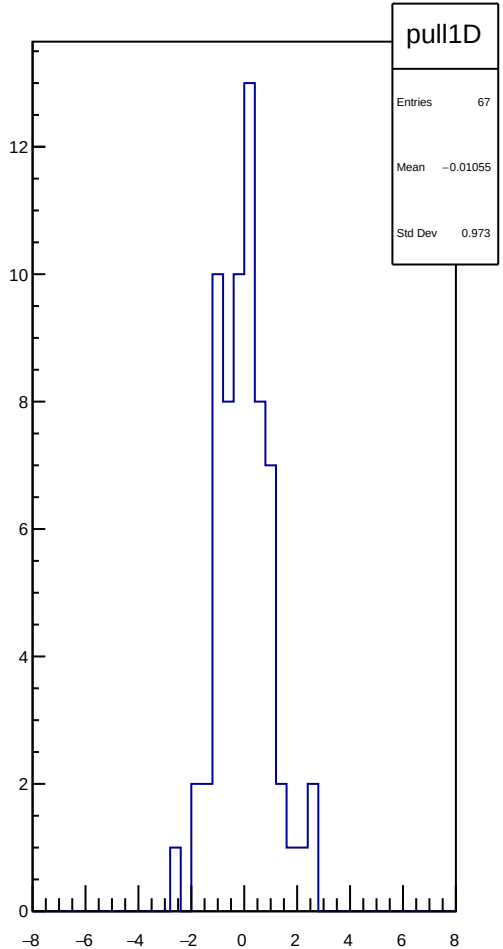

asym_atl2_correction_rms vs run
χ² / ndf 8986 / 66
p0 982.8 ± 0.8547
1250
1200
1150
1100
1050
1000
950
900
850


asym_atl2_mean vs run
×10^3
χ² / ndf 61.34 / 66
p0 9435 ± 8922
pull
Entries 67
Mean −2977
Std Dev 3009

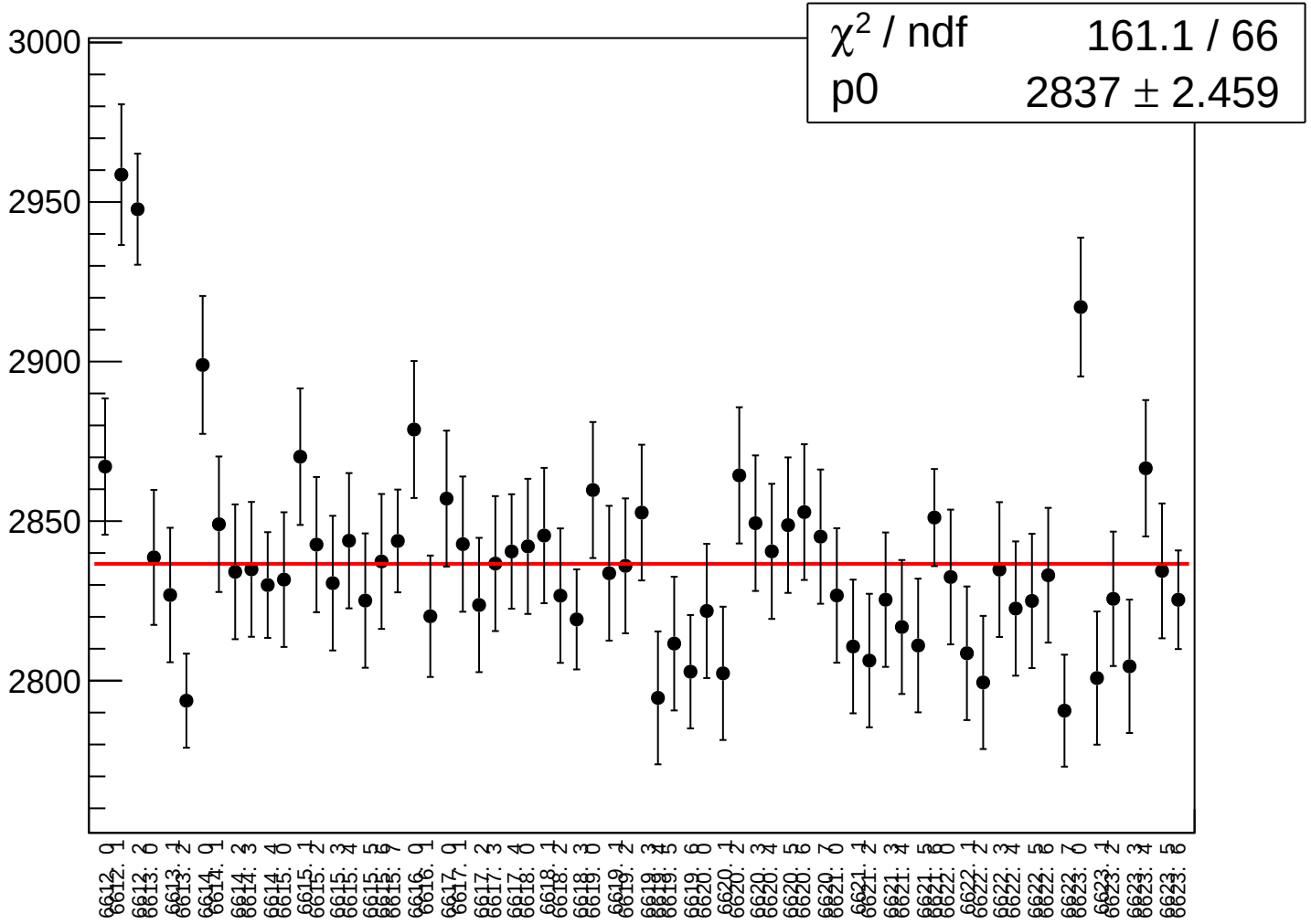

pull1D
Entries 67
Mean −0.002106
Std Dev 0.9569

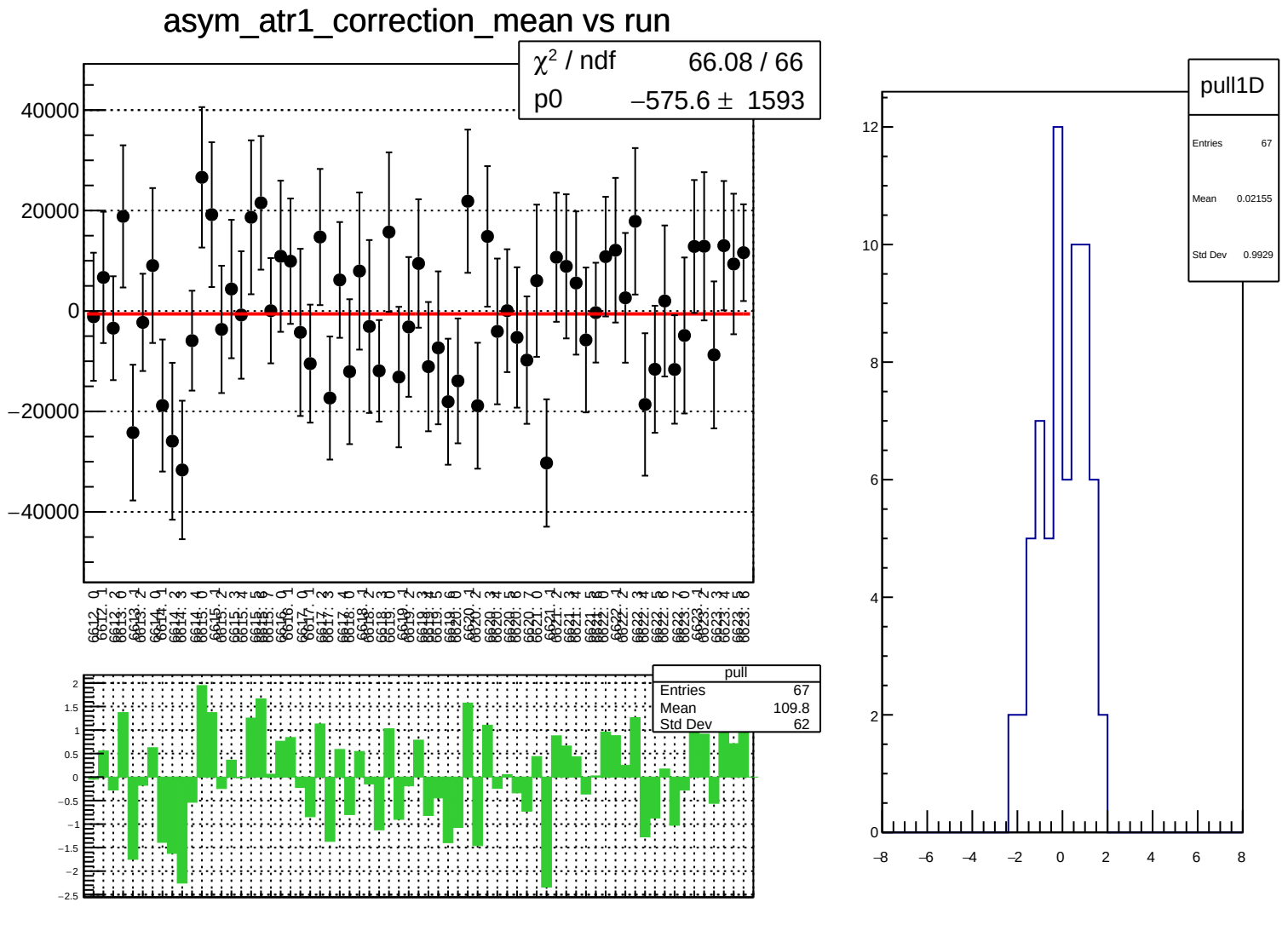

asym_atl2_rms vs run
χ² / ndf 3650 / 66
p0 7269 ± 6.309
13000
12000
11000
10000
9000
8000
7000


dit_asym_atr1_mean vs run
×10^3
χ² / ndf 63.44 / 66
p0 2783 ± 3477
100
50
0
−50
−100
pull
Entries 67
Mean −235.4
Std Dev 274
2
1
0
−1
−2

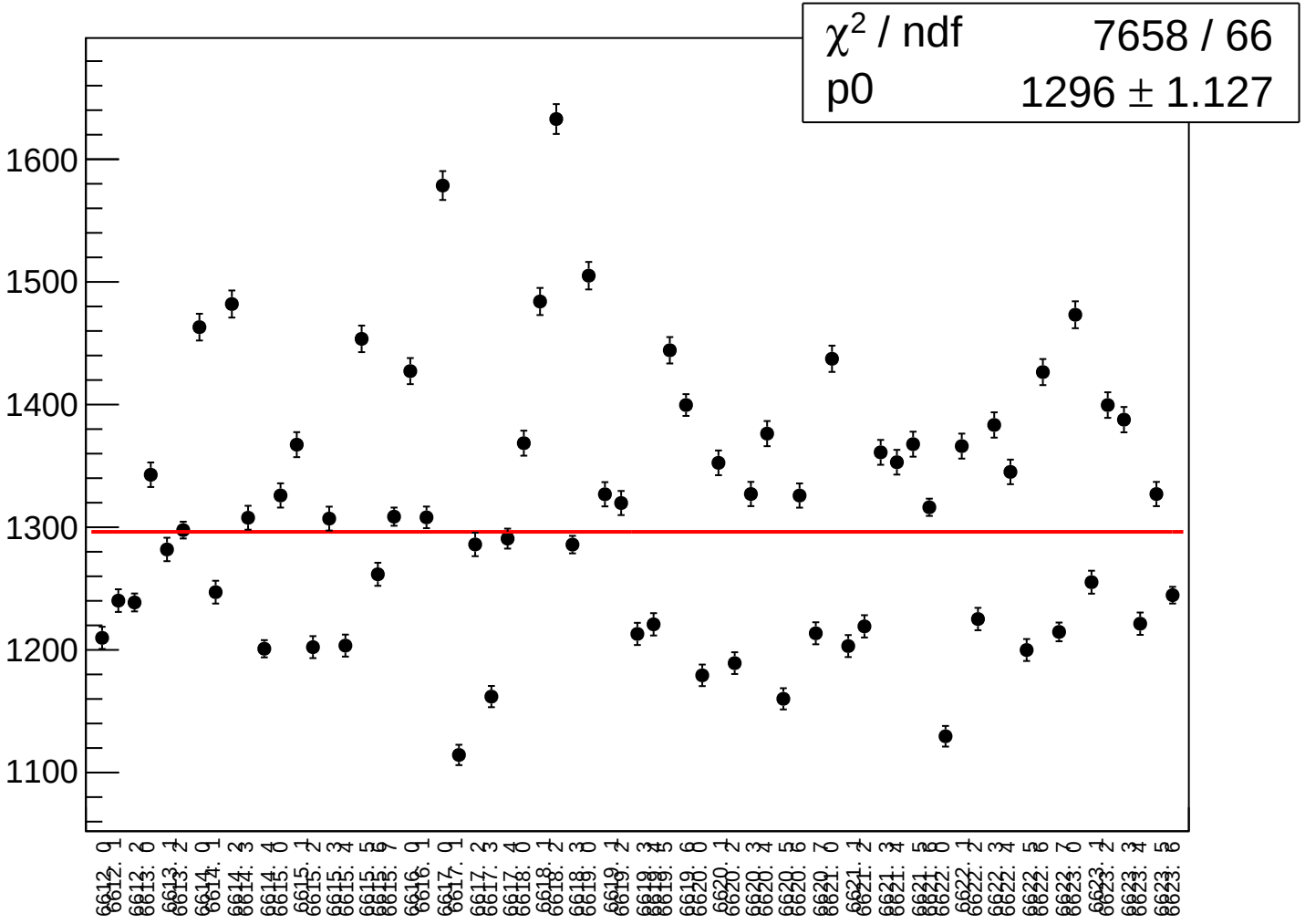

pull1D
Entries 67
Mean −0.01055
Std Dev 0.973
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

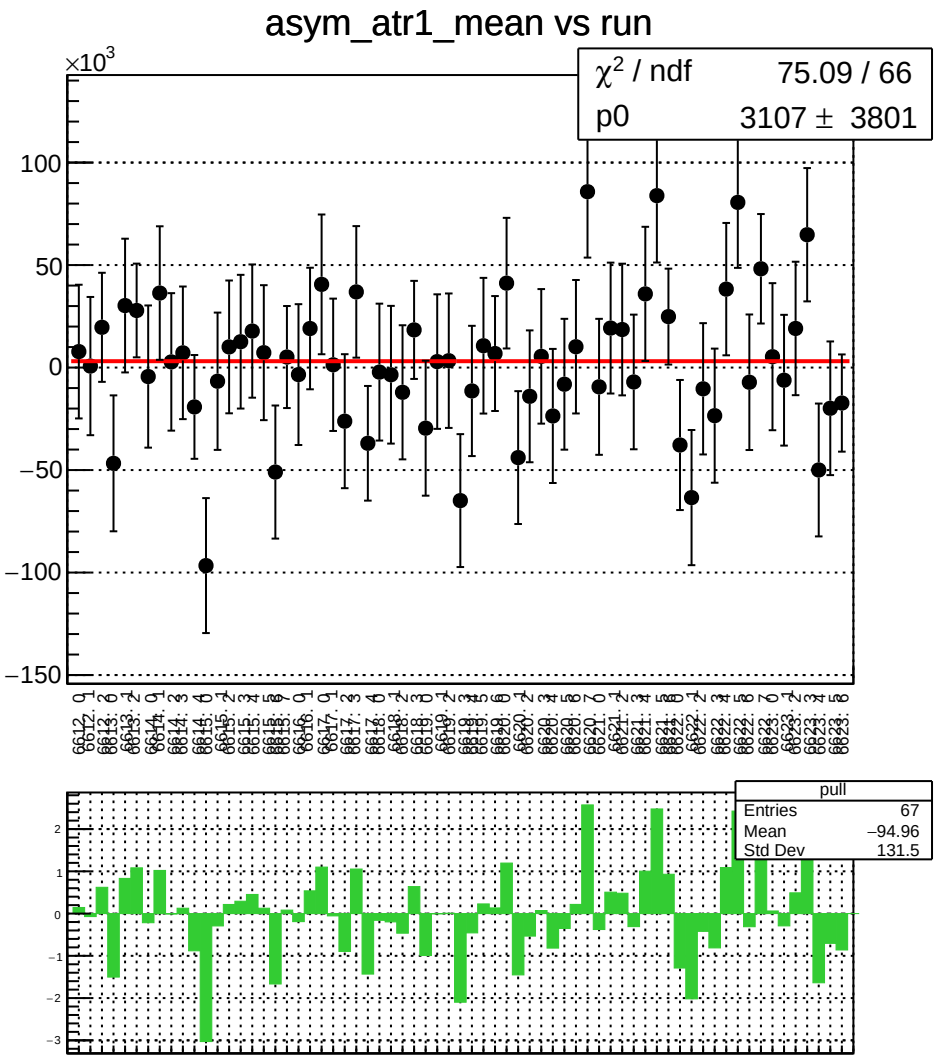
dit_asym_atr1_rms vs run

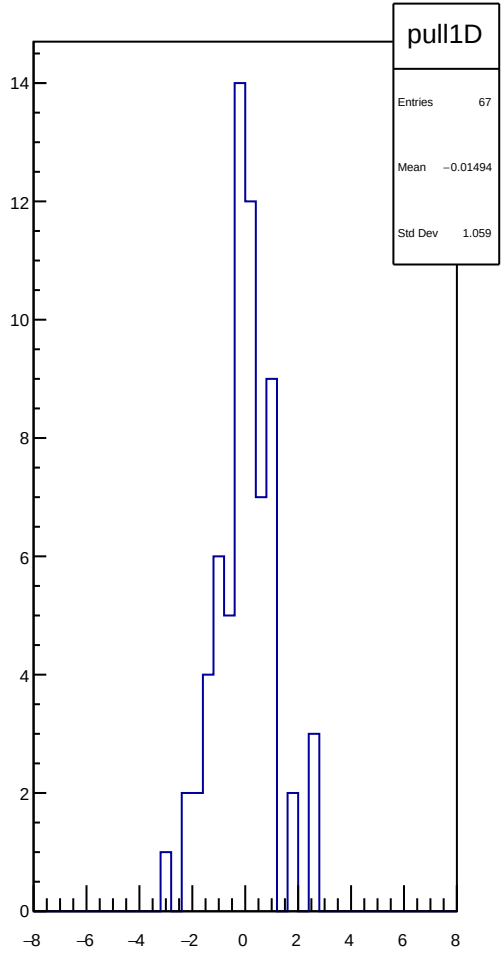



asym_atr1_correction_mean vs run
χ² / ndf 66.08 / 66
p0 −575.6 ± 1593
40000
20000
0
−20000
−40000
pull
Entries 67
Mean 109.8
Std Dev 62
pull1D
Entries 67
Mean 0.02155
Std Dev 0.9929

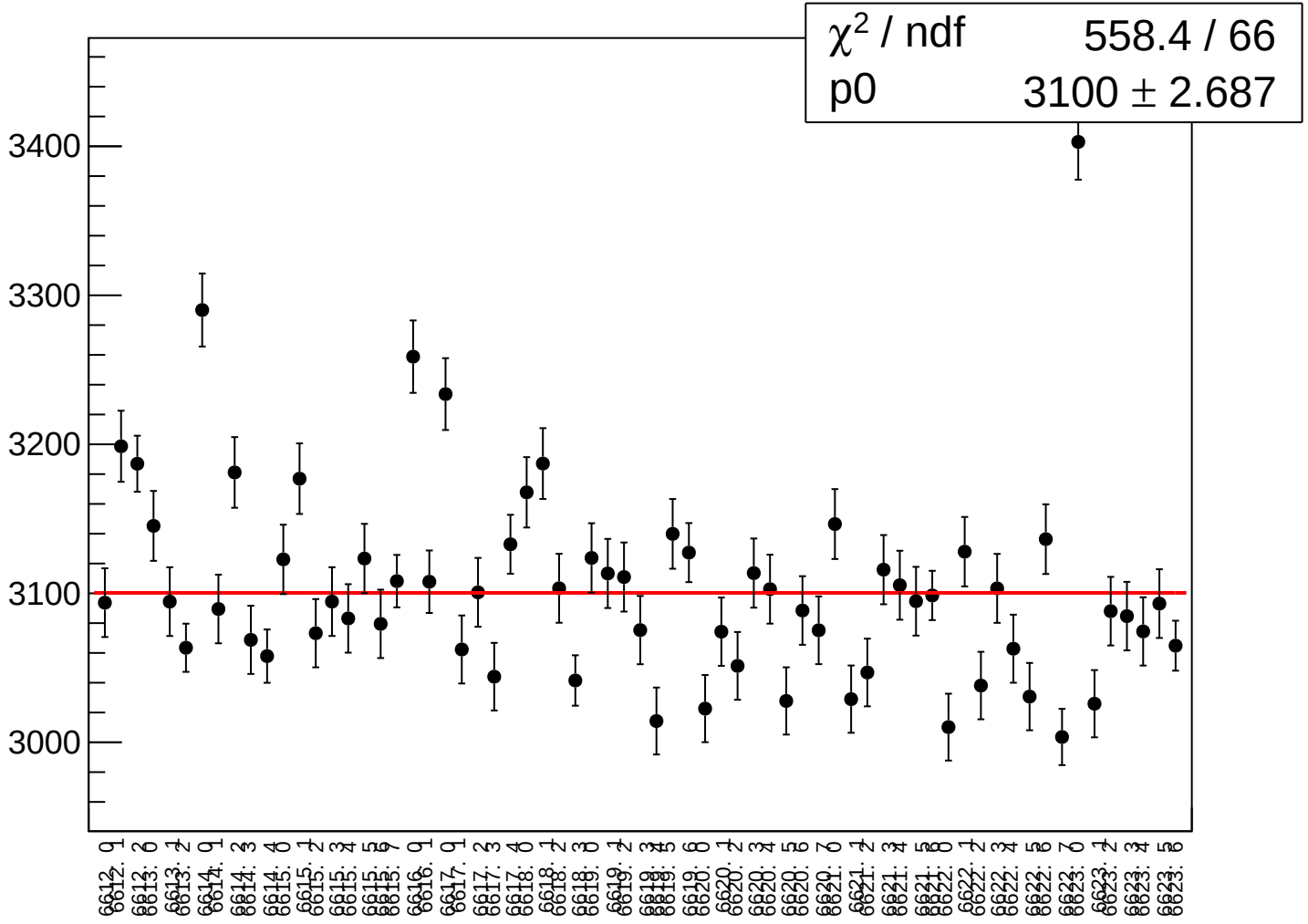
asym_atr1_correction_rms vs run

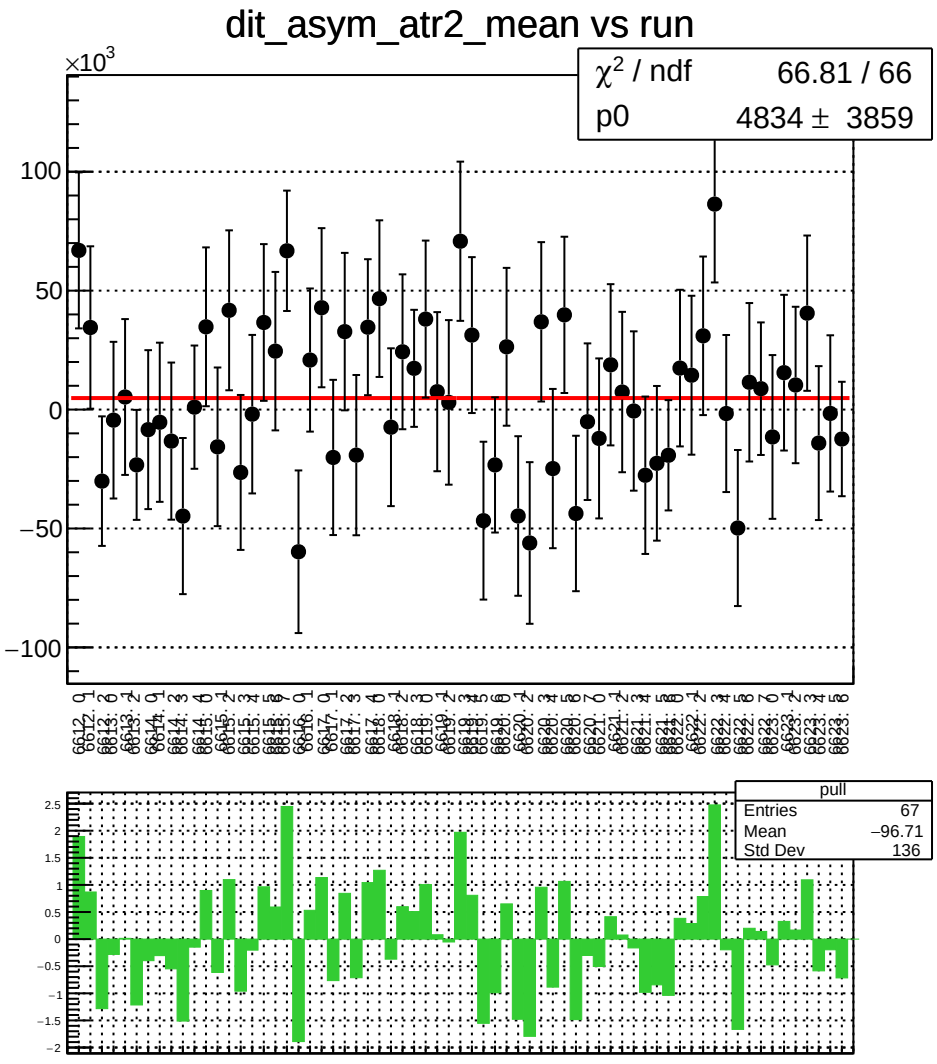


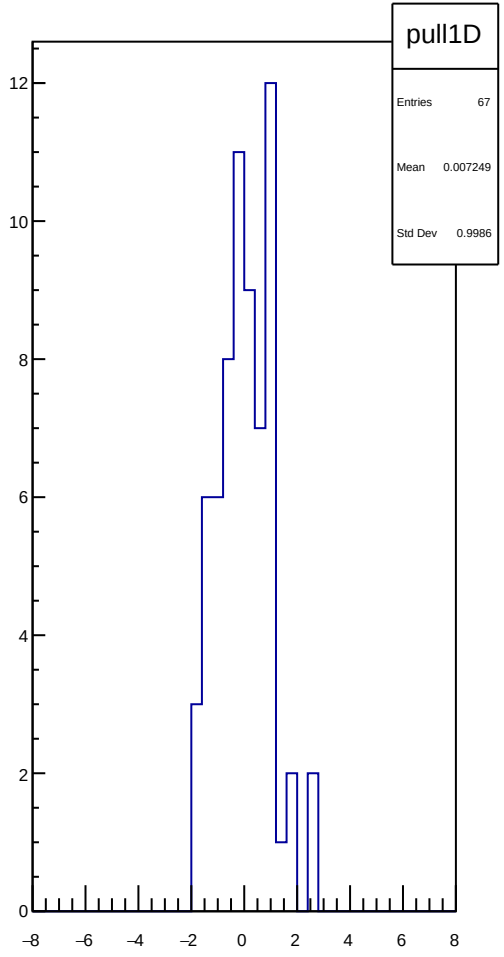

asym_atr1_mean vs run
×10^3
χ² / ndf 75.09 / 66
p0 3107 ± 3801
pull
Entries 67
Mean −94.96
Std Dev 131.5

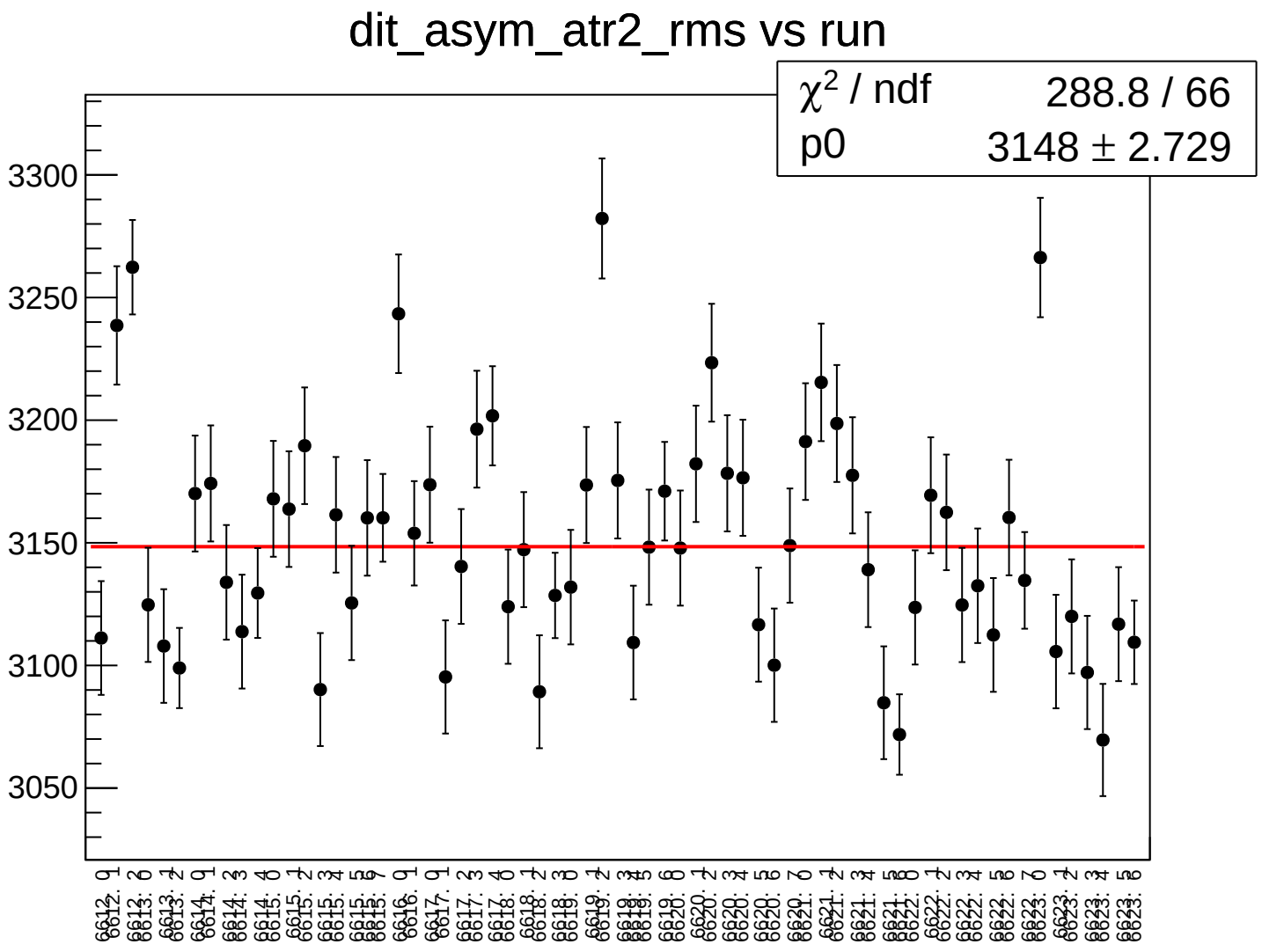

pull1D
Entries 67
Mean −0.01494
Std Dev 1.059

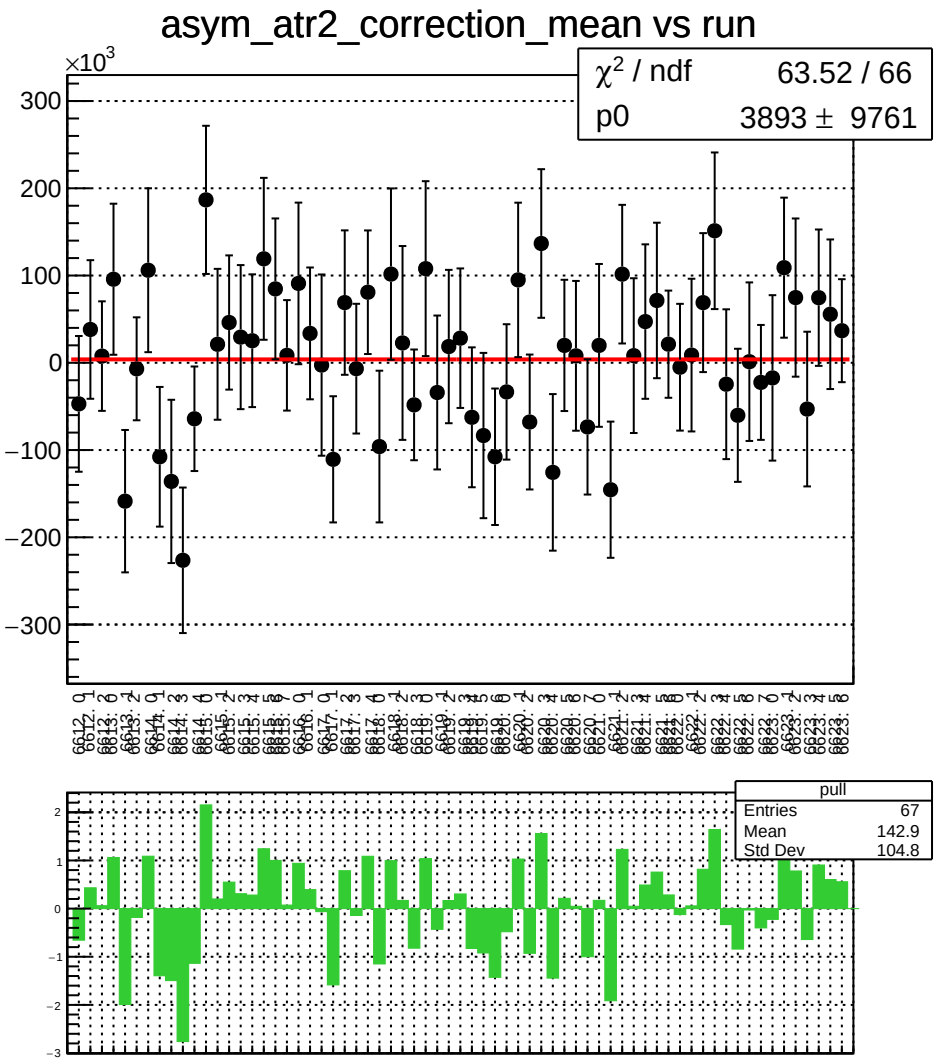
asym_atr1_rms vs run

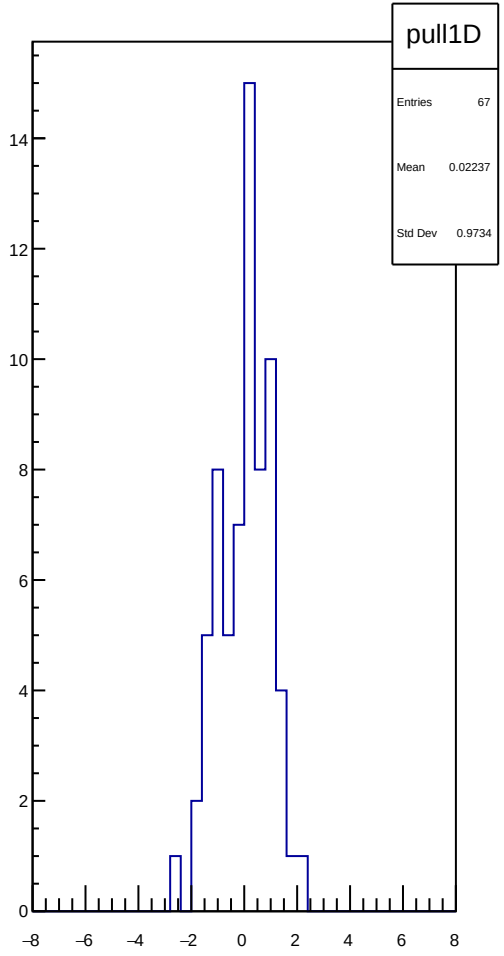


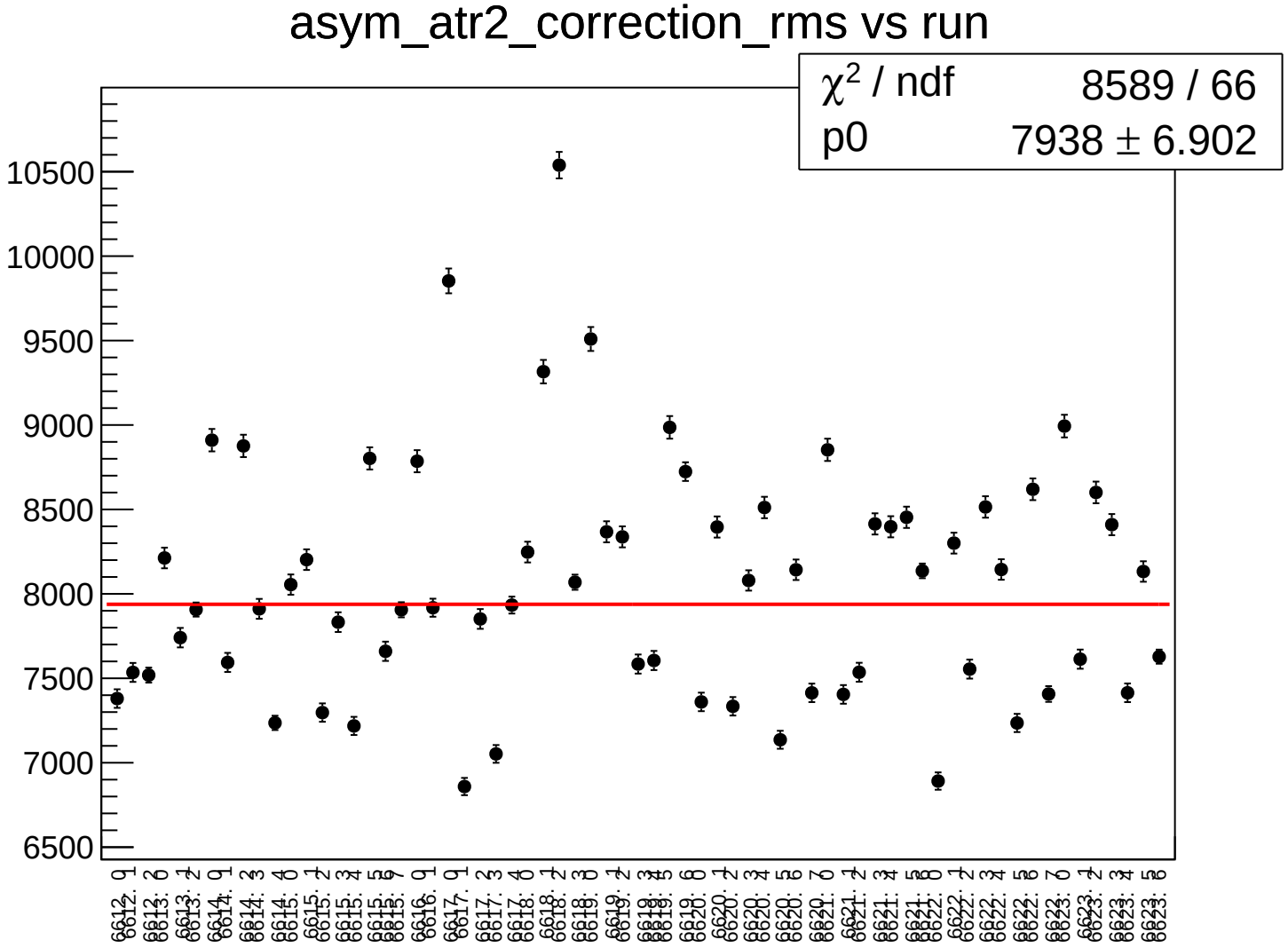

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 66.81 / 66
p0 4834 ± 3859
pull
Entries 67
Mean −96.71
Std Dev 136

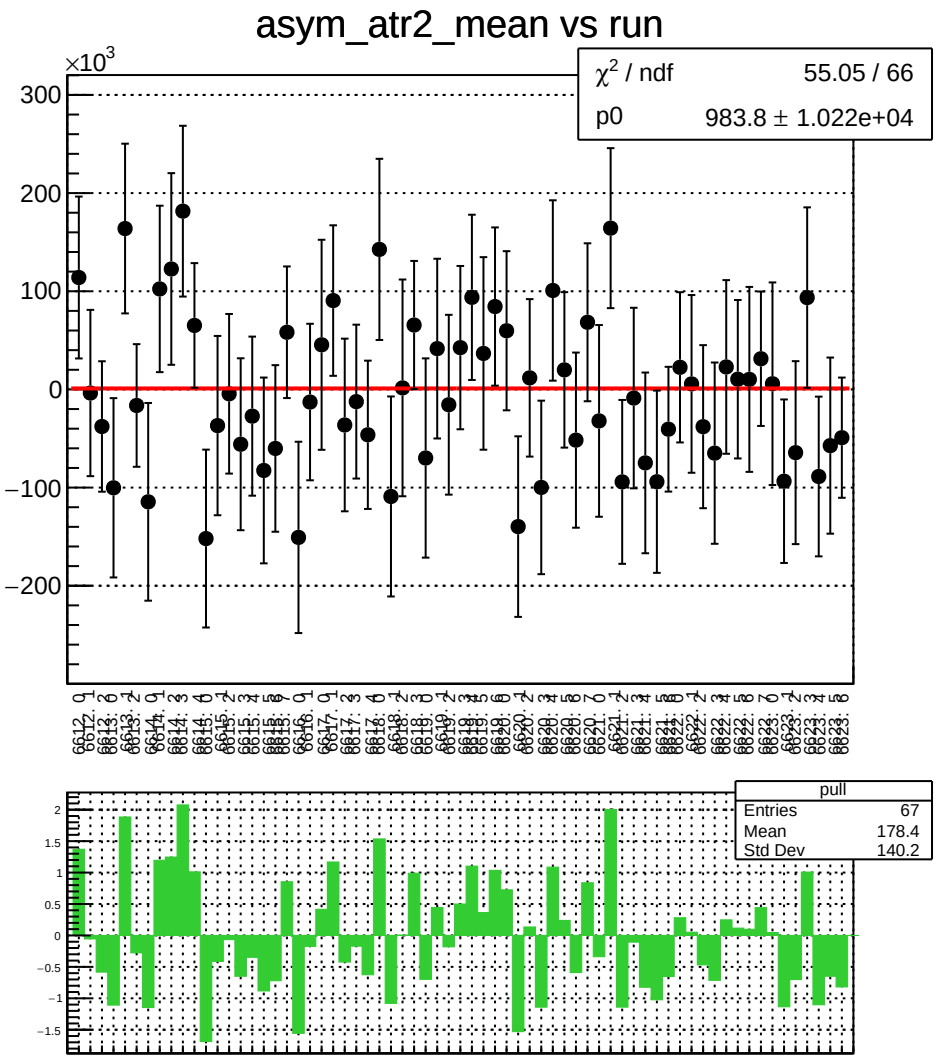

pull1D
Entries 67
Mean 0.007249
Std Dev 0.9986

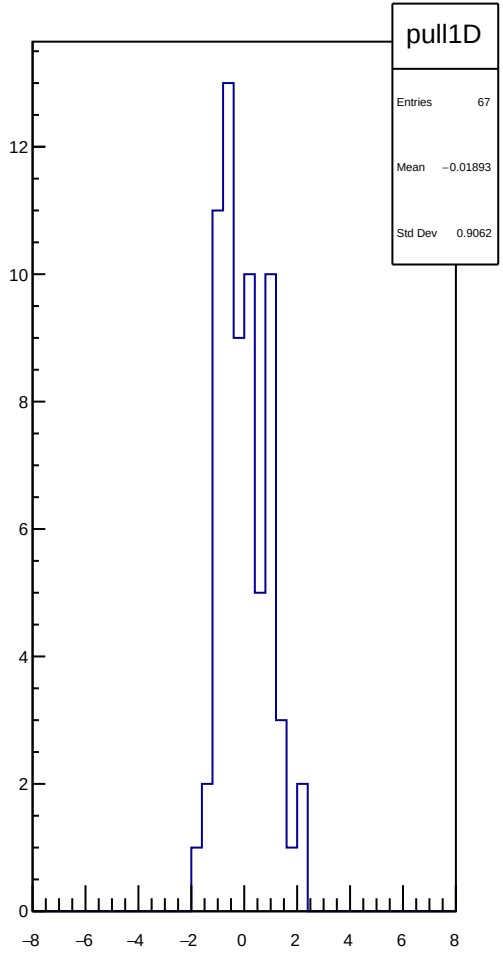

dit_asym_atr2_rms vs run
χ² / ndf 288.8 / 66
p0 3148 ± 2.729
3300
3250
3200
3150
3100
3050

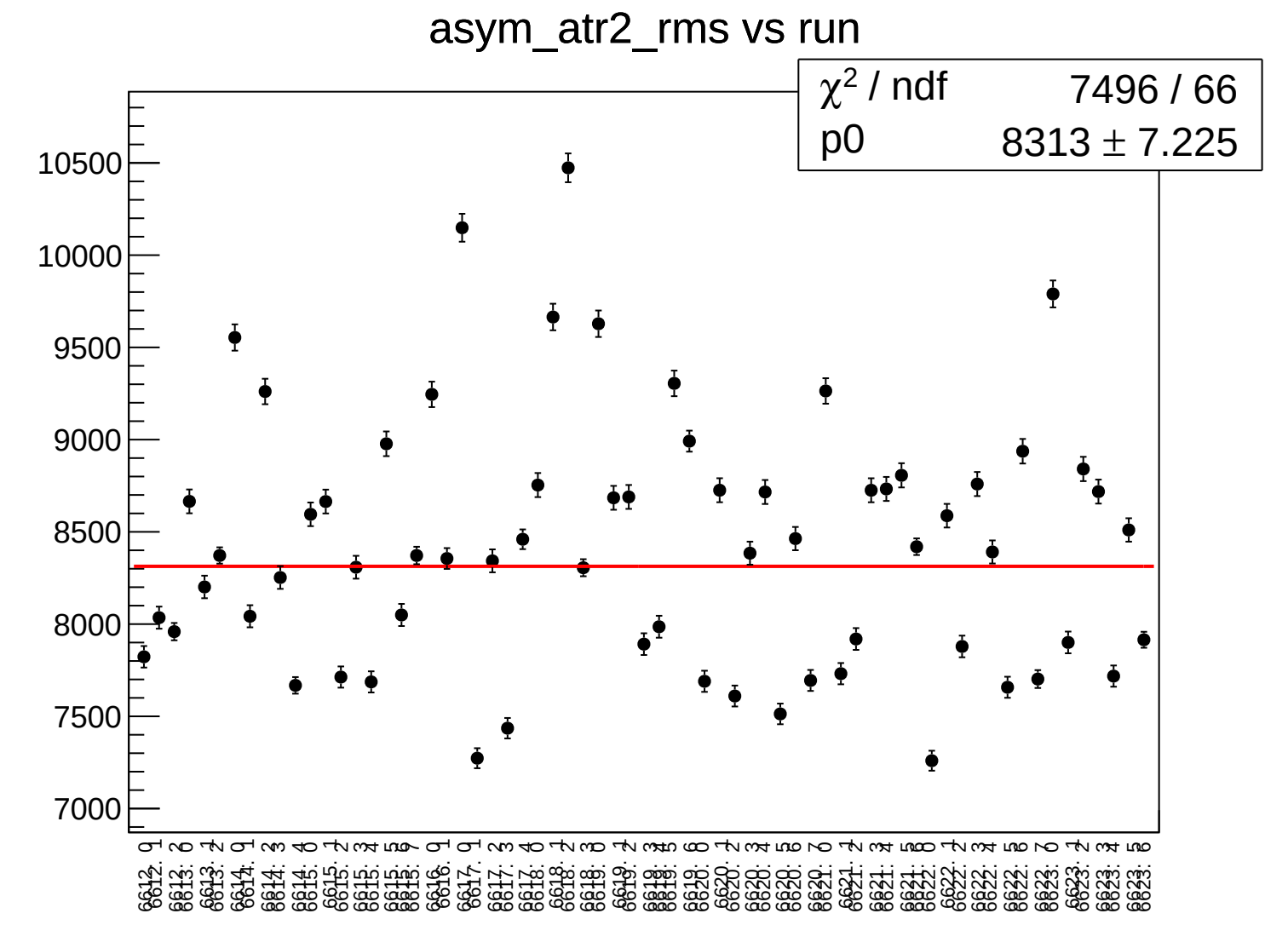

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 63.52 / 66
p0 3893 ± 9761
pull
Entries 67
Mean 142.9
Std Dev 104.8

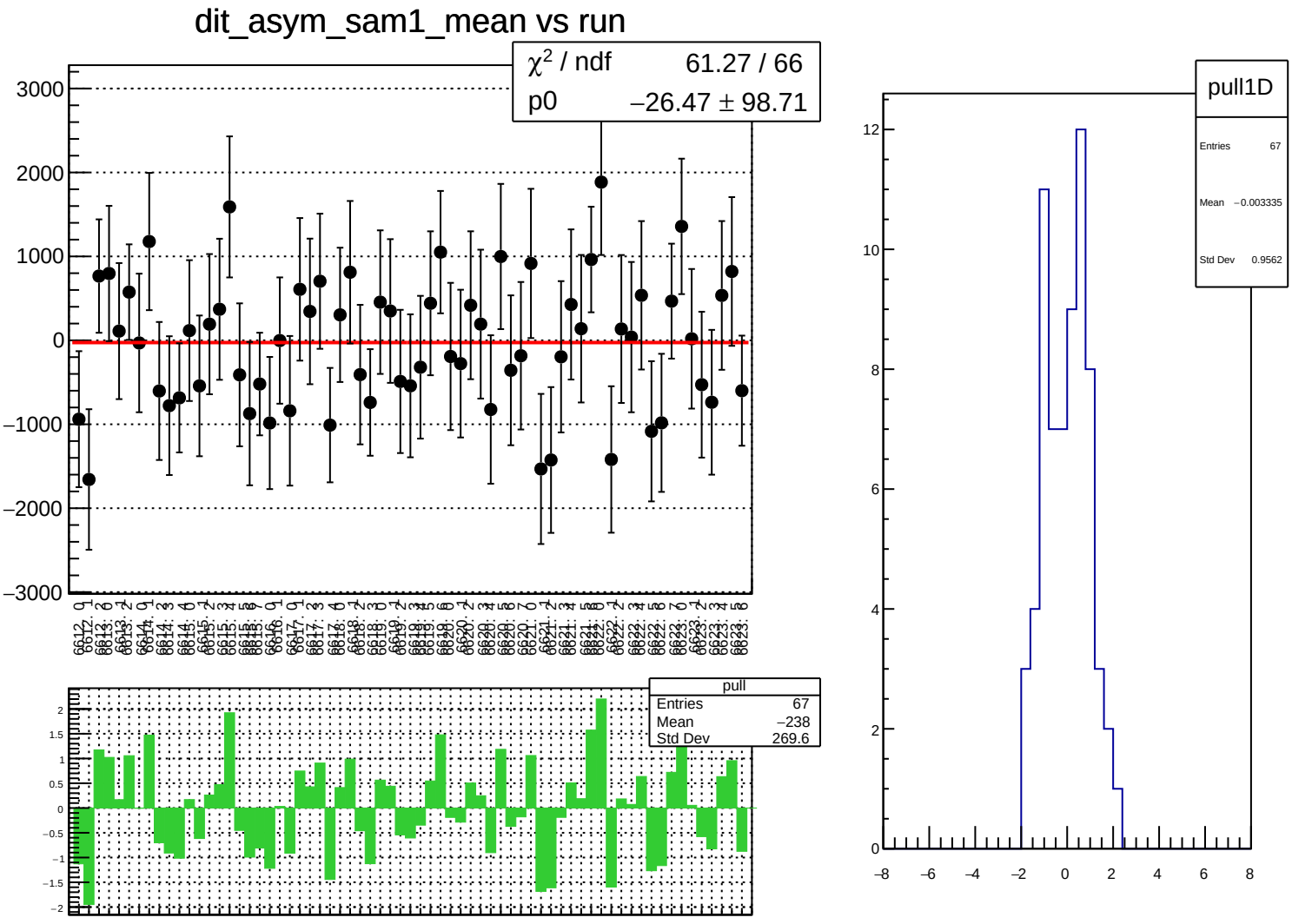

pull1D
Entries 67
Mean 0.02237
Std Dev 0.9734


asym_atr2_correction_rms vs run
χ^2 / ndf 8589 / 66
p0 7938 ± 6.902
10500
10000
9500
9000
8500
8000
7500
7000
6500

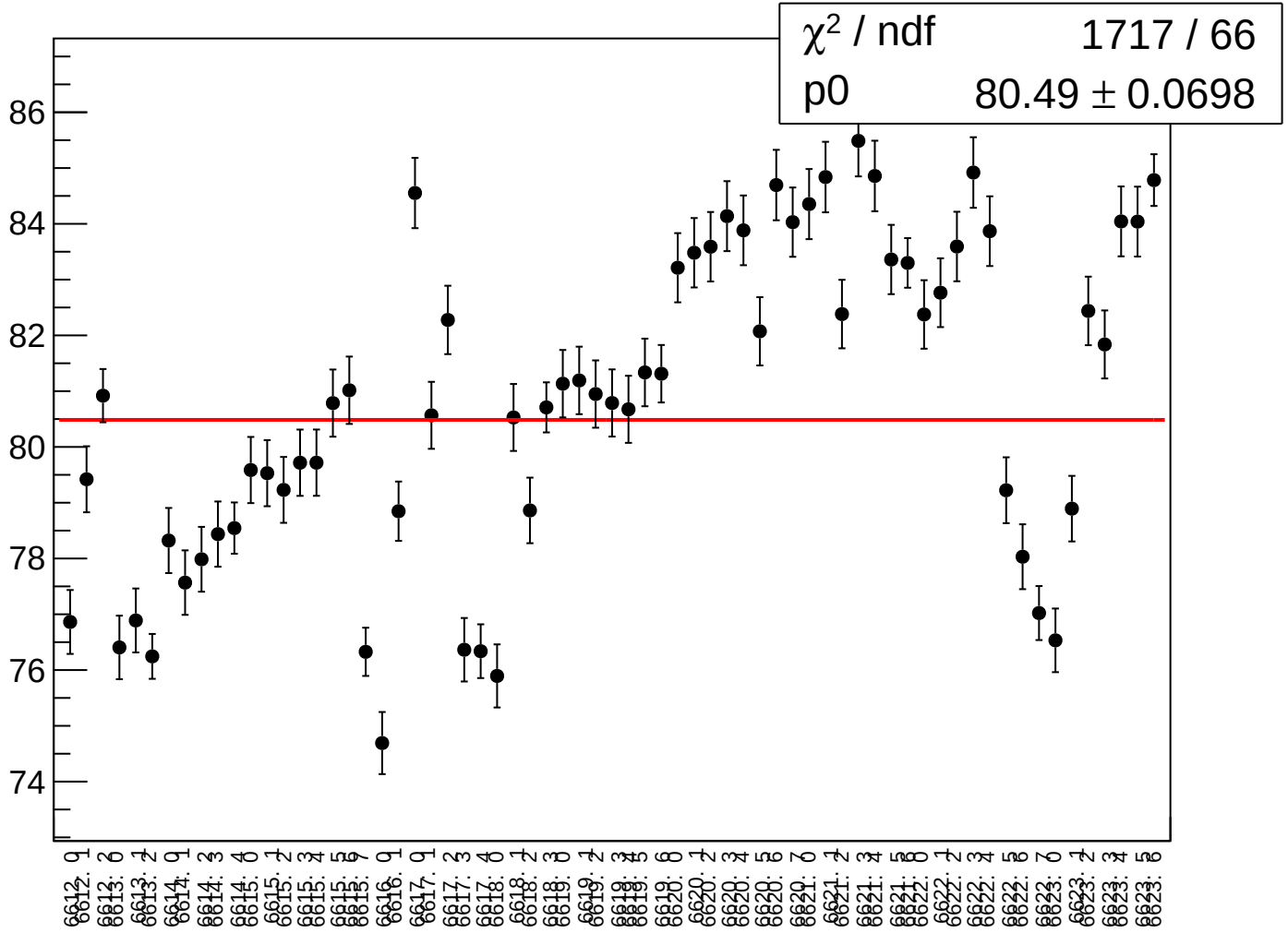

asym_atr2_mean vs run
×10^3
χ² / ndf 55.05 / 66
p0 983.8 ± 1.022e+04
pull
Entries 67
Mean 178.4
Std Dev 140.2

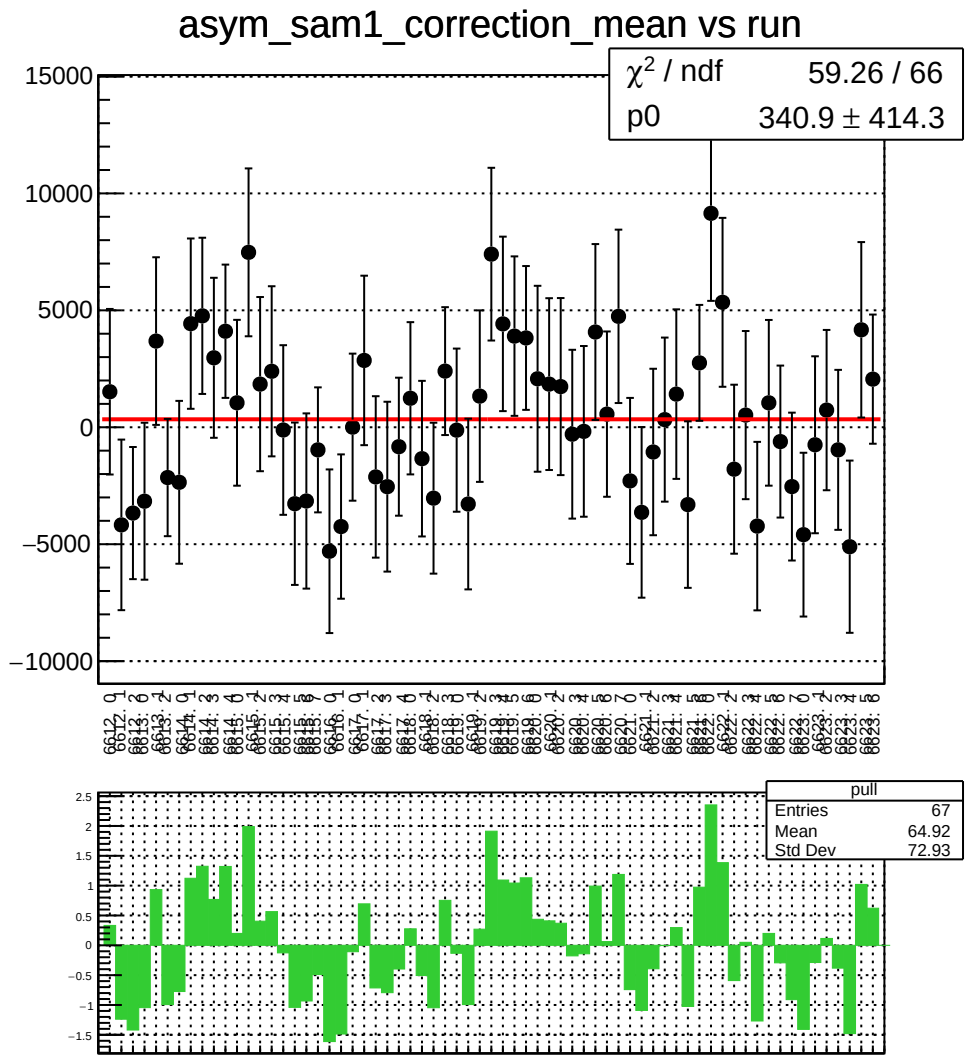

pull1D
Entries 67
Mean −0.01893
Std Dev 0.9062

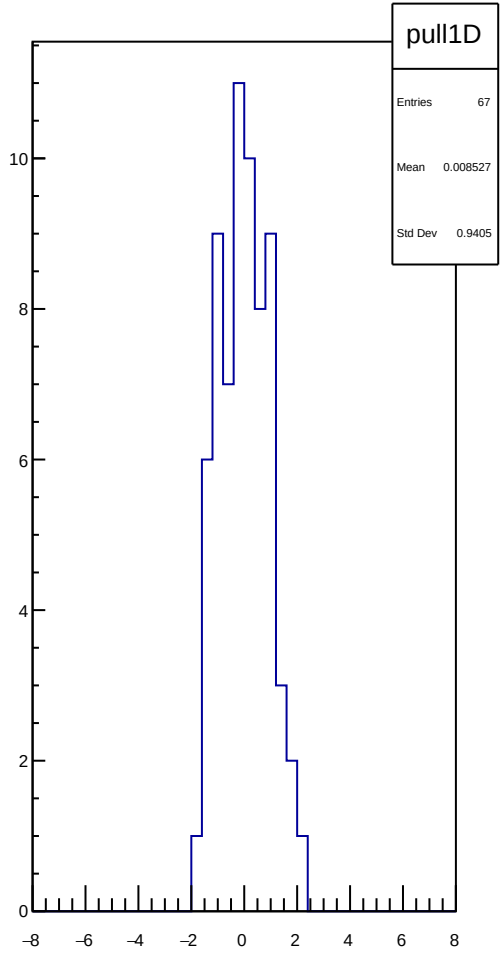

asym_atr2_rms vs run
χ² / ndf 7496 / 66
p0 8313 ± 7.225
10500
10000
9500
9000
8500
8000
7500
7000

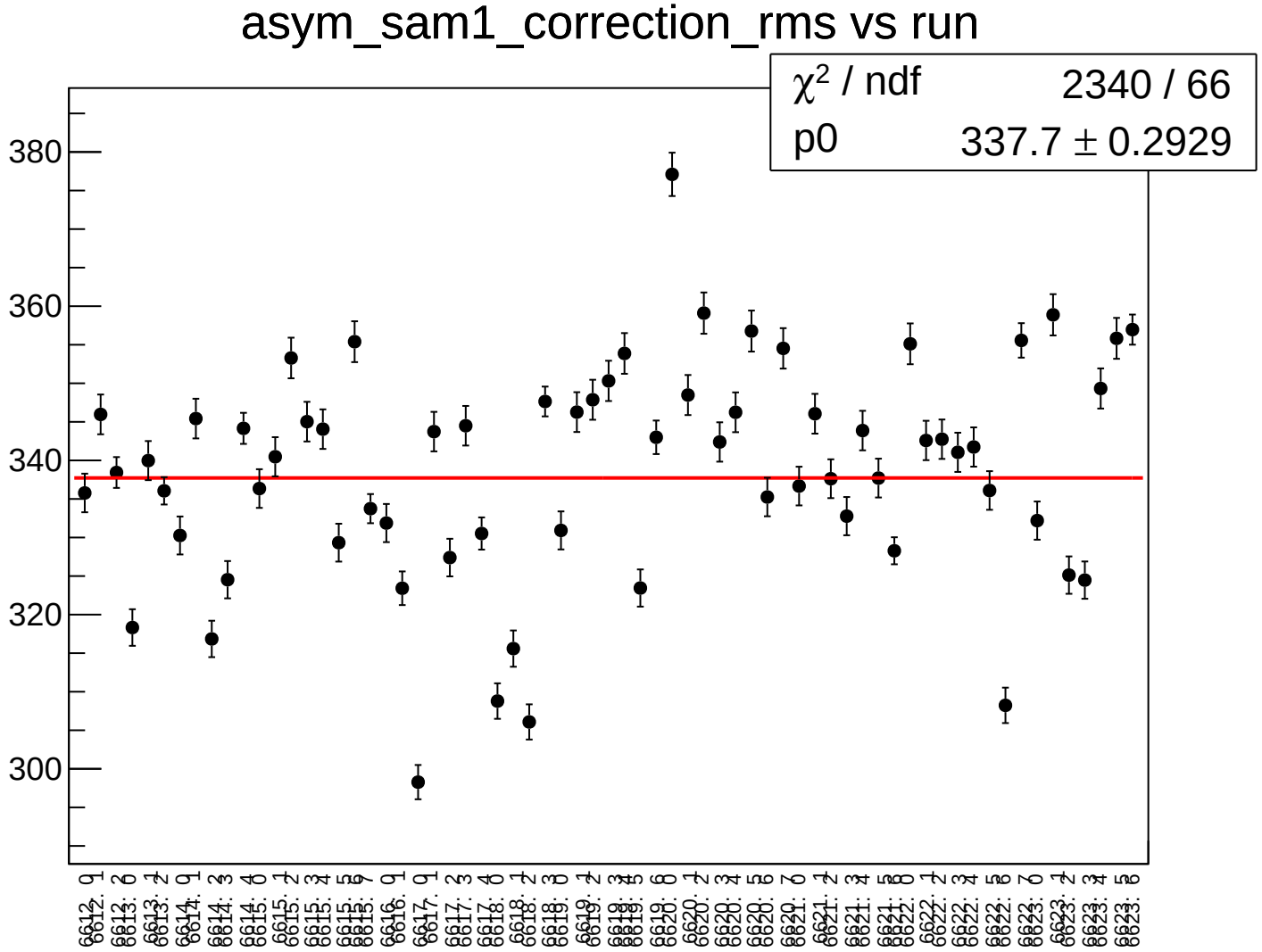

dit_asym_sam1_mean vs run
χ² / ndf 61.27 / 66
p0 −26.47 ± 98.71
pull
Entries 67
Mean −238
Std Dev 269.6
pull1D
Entries 67
Mean −0.003335
Std Dev 0.9562

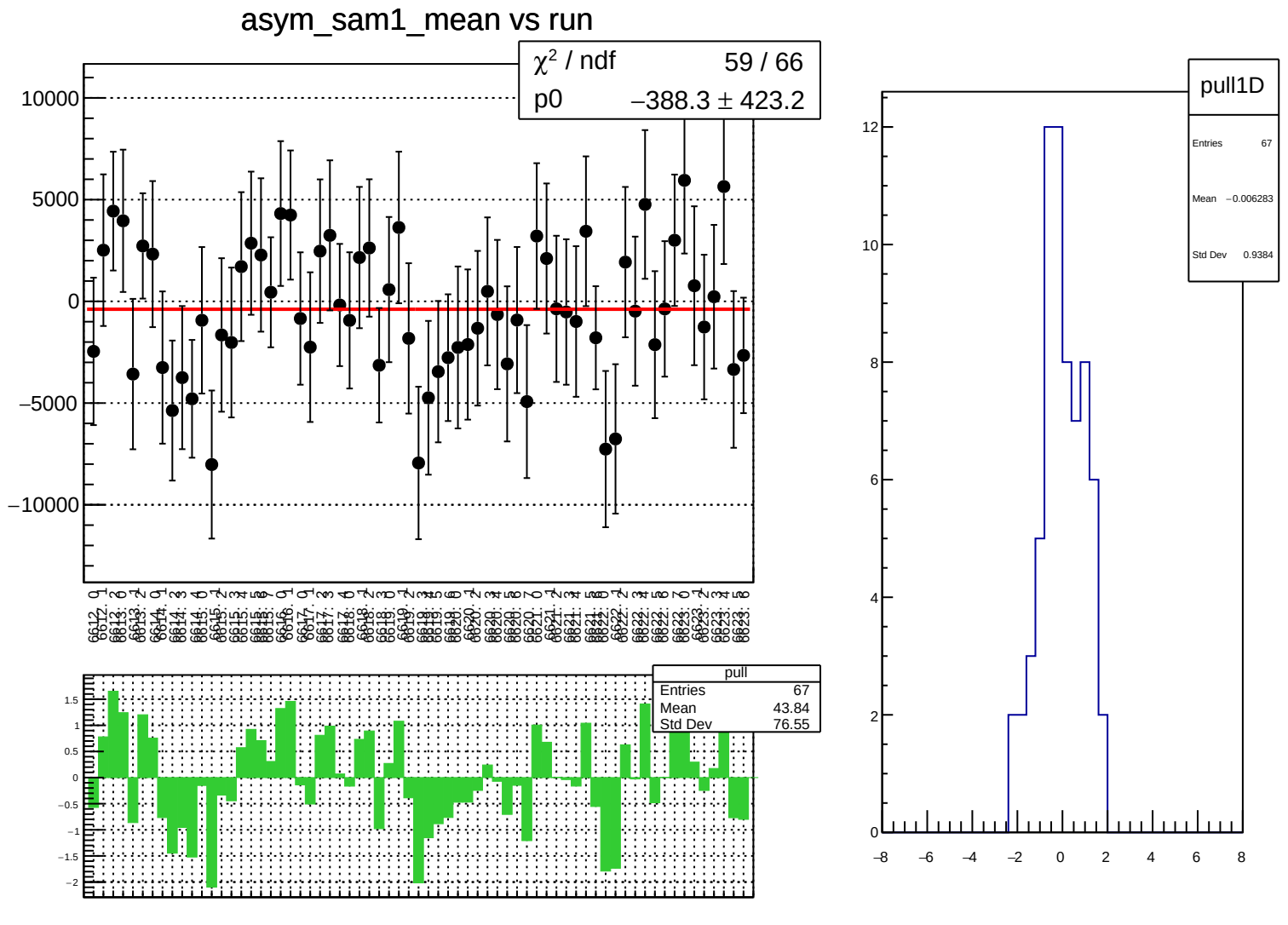
dit_asym_sam1_rms vs run

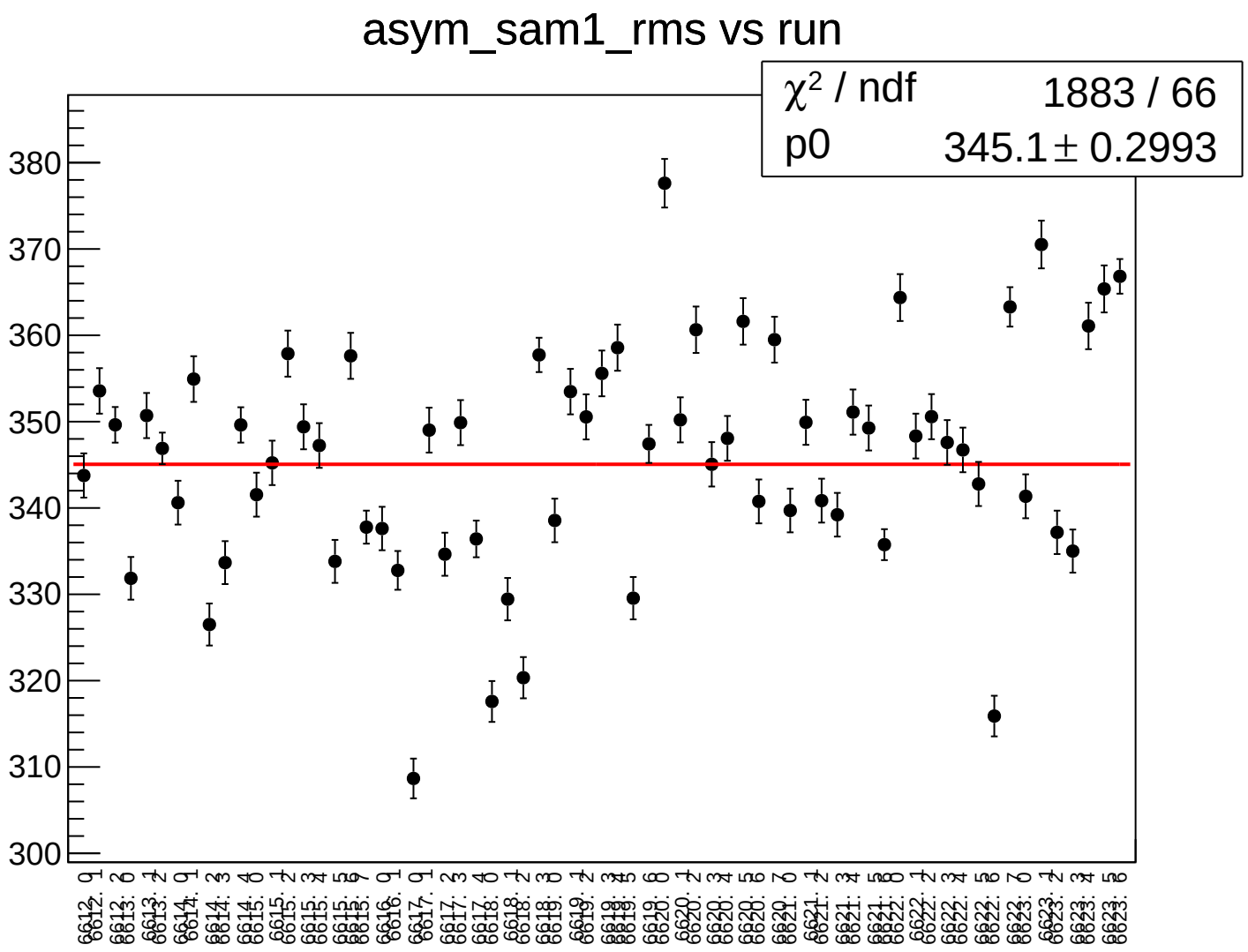


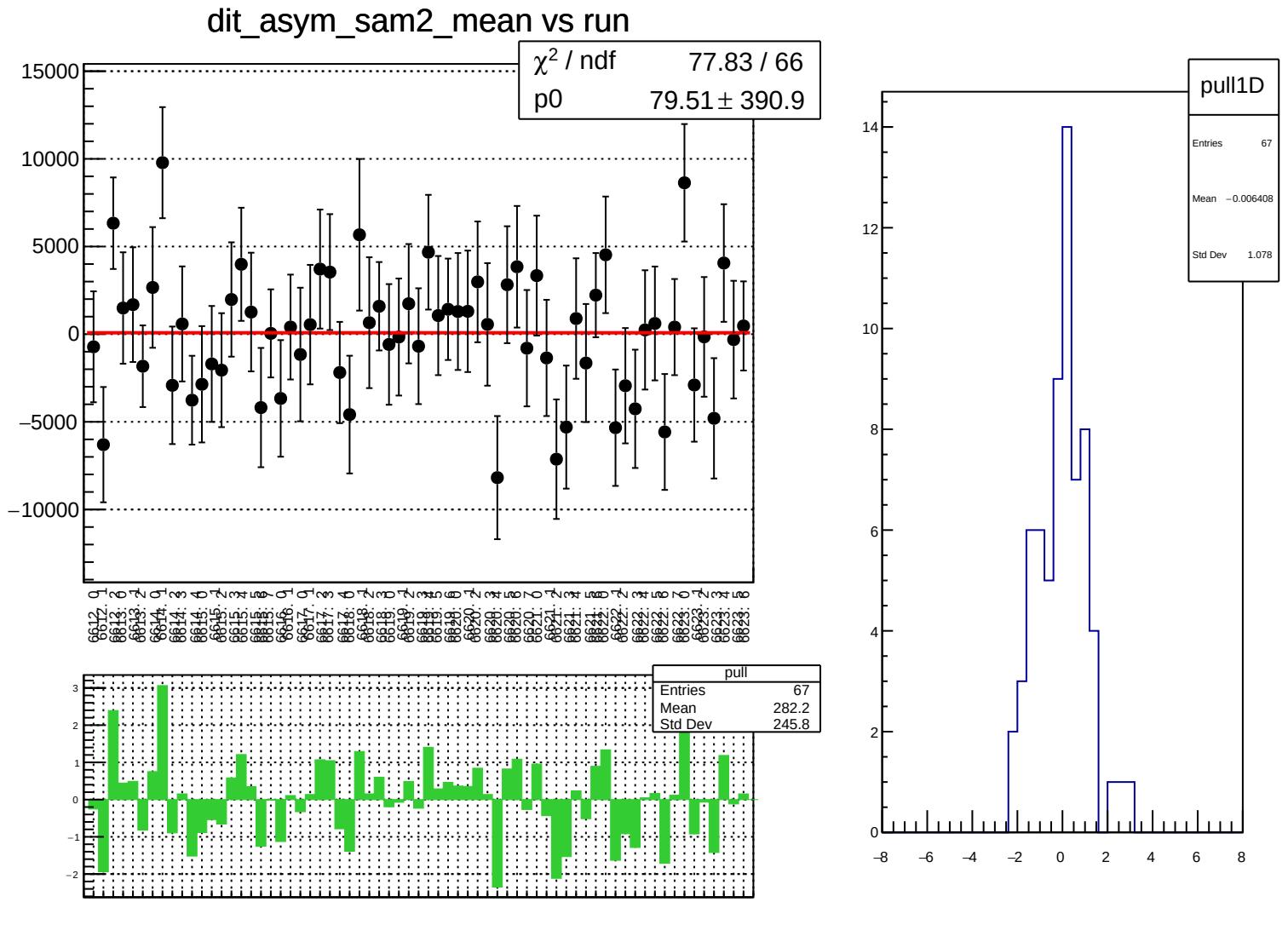

asym_sam1_correction_mean vs run
χ² / ndf 59.26 / 66
p0 340.9 ± 414.3
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 64.92
Std Dev 72.93
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 67
Mean 0.008527
Std Dev 0.9405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

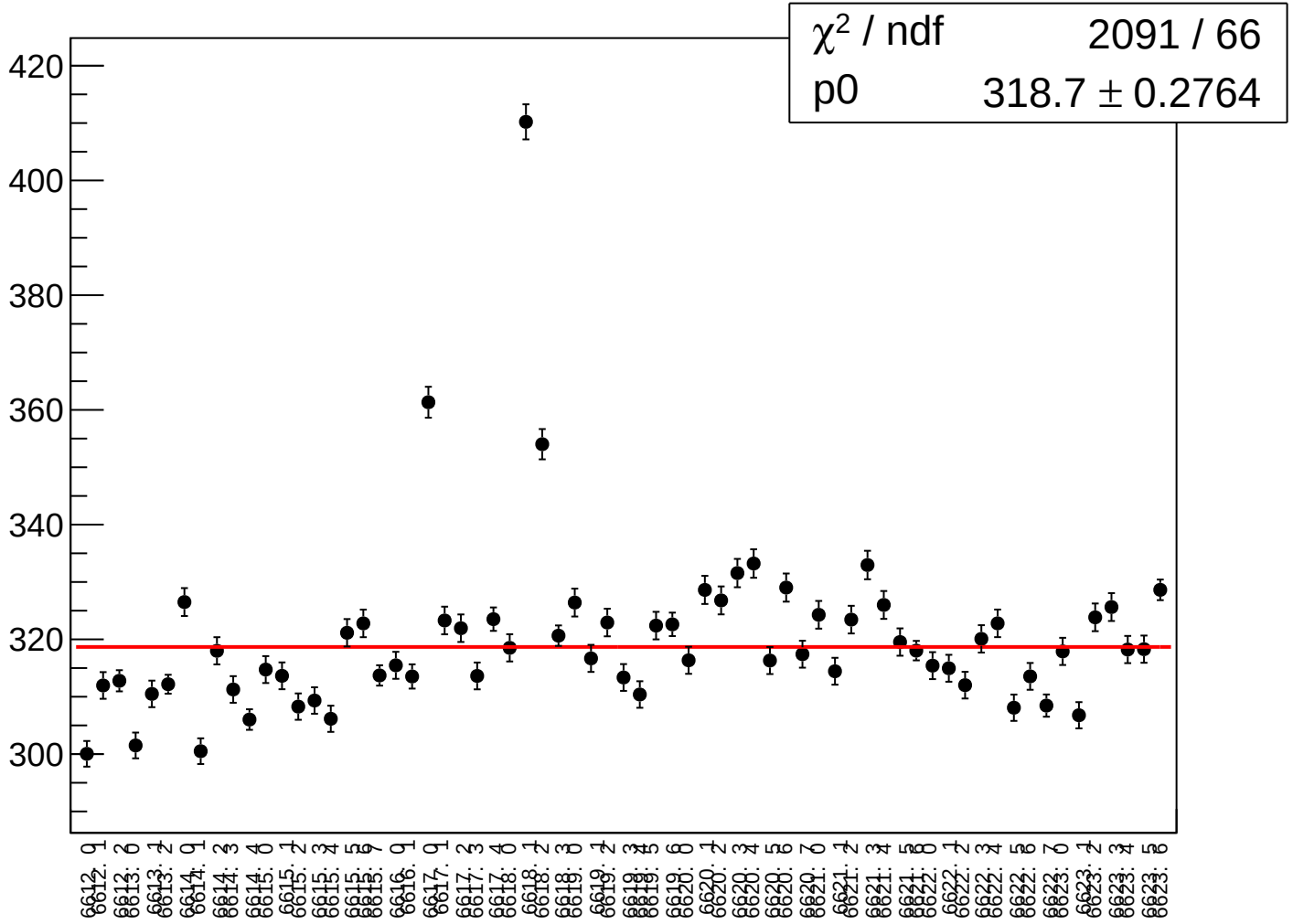

asym_sam1_correction_rms vs run
χ^2 / ndf 2340 / 66
p0 337.7 ± 0.2929
380
360
340
320
300

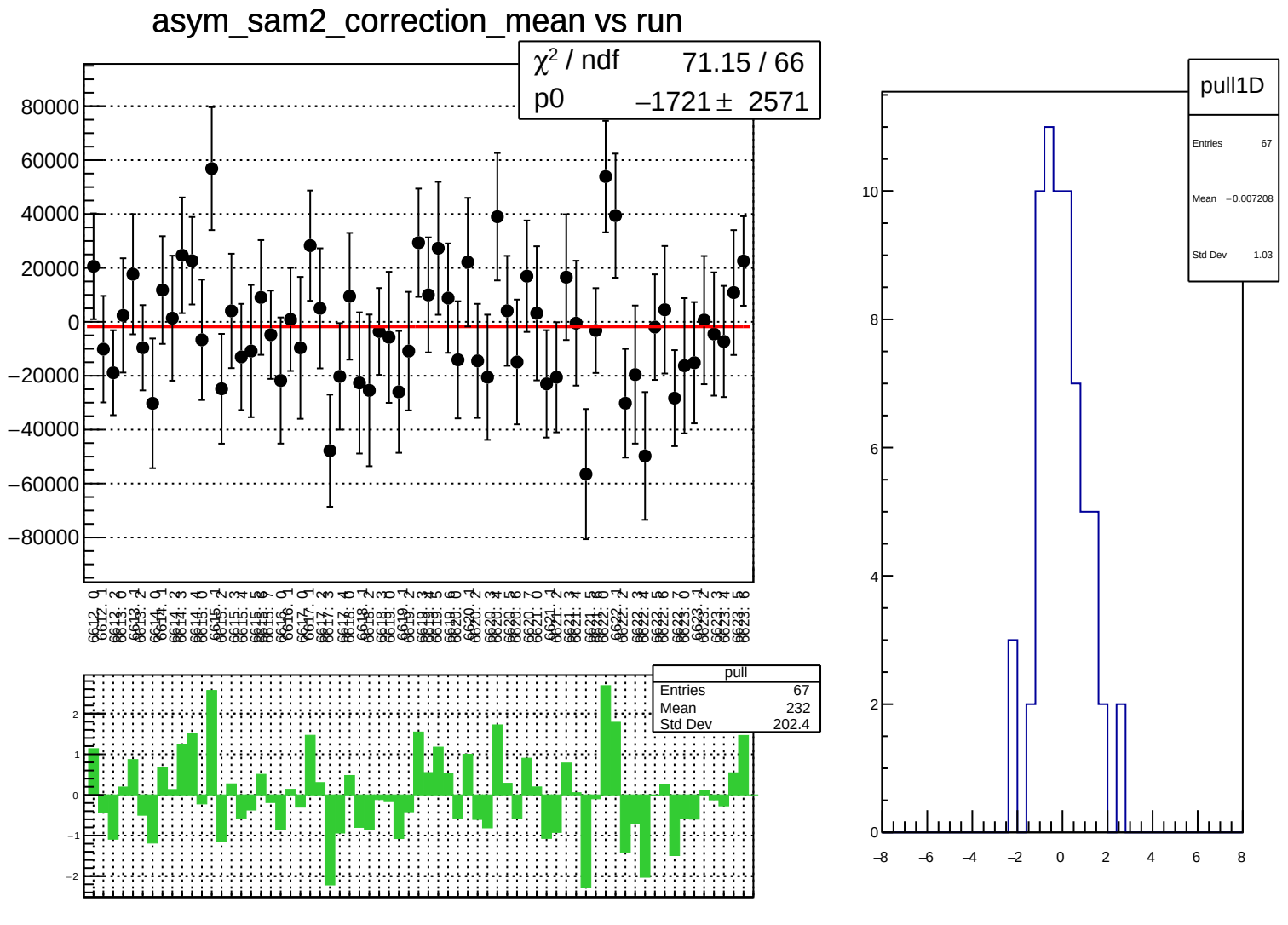

asym_sam1_mean vs run
χ² / ndf 59 / 66
p0 −388.3 ± 423.2
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 43.84
Std Dev 76.55
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 67
Mean −0.006283
Std Dev 0.9384
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

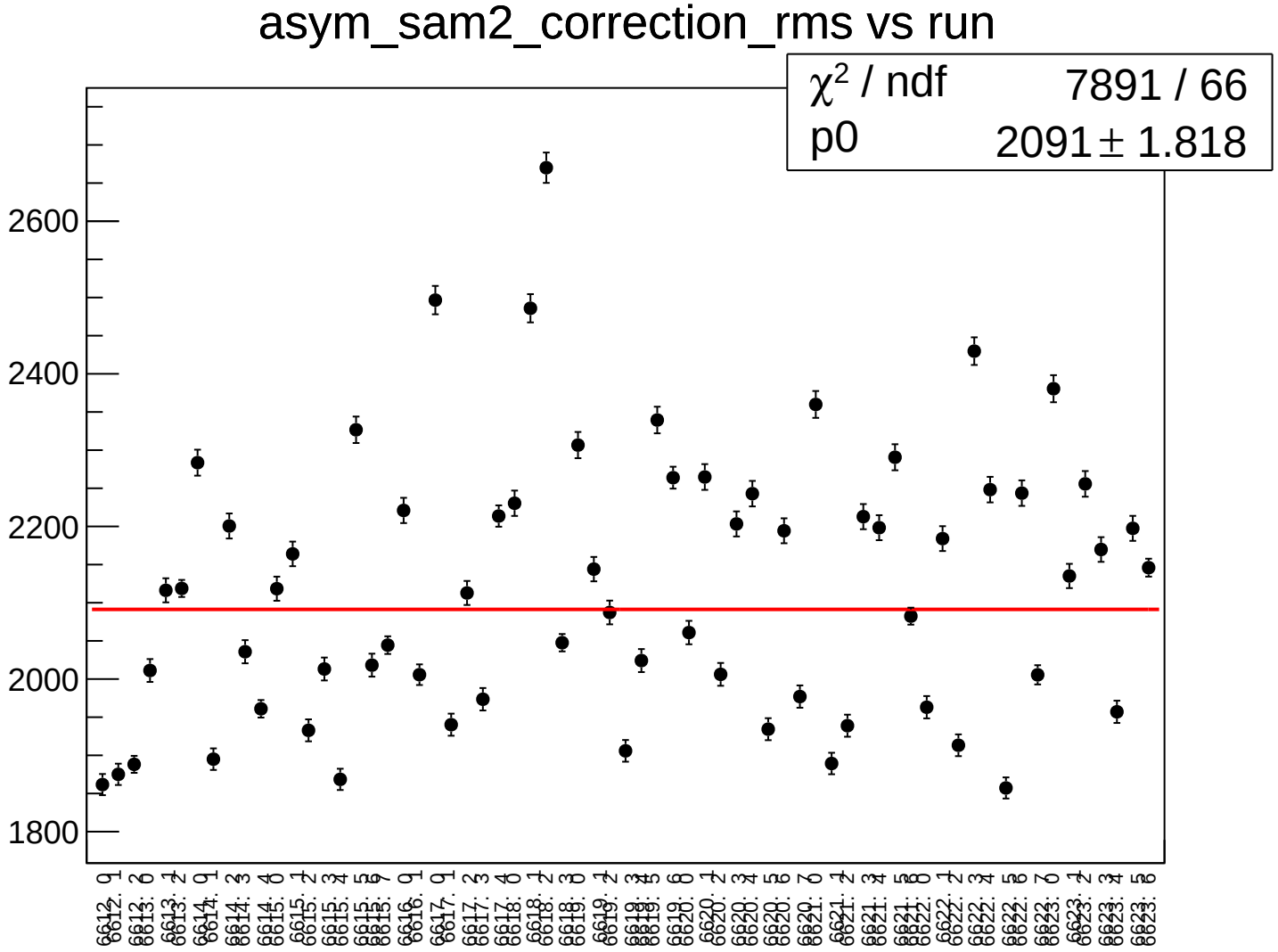

asym_sam1_rms vs run
χ² / ndf 1883 / 66
p0 345.1 ± 0.2993
380
370
360
350
340
330
320
310
300

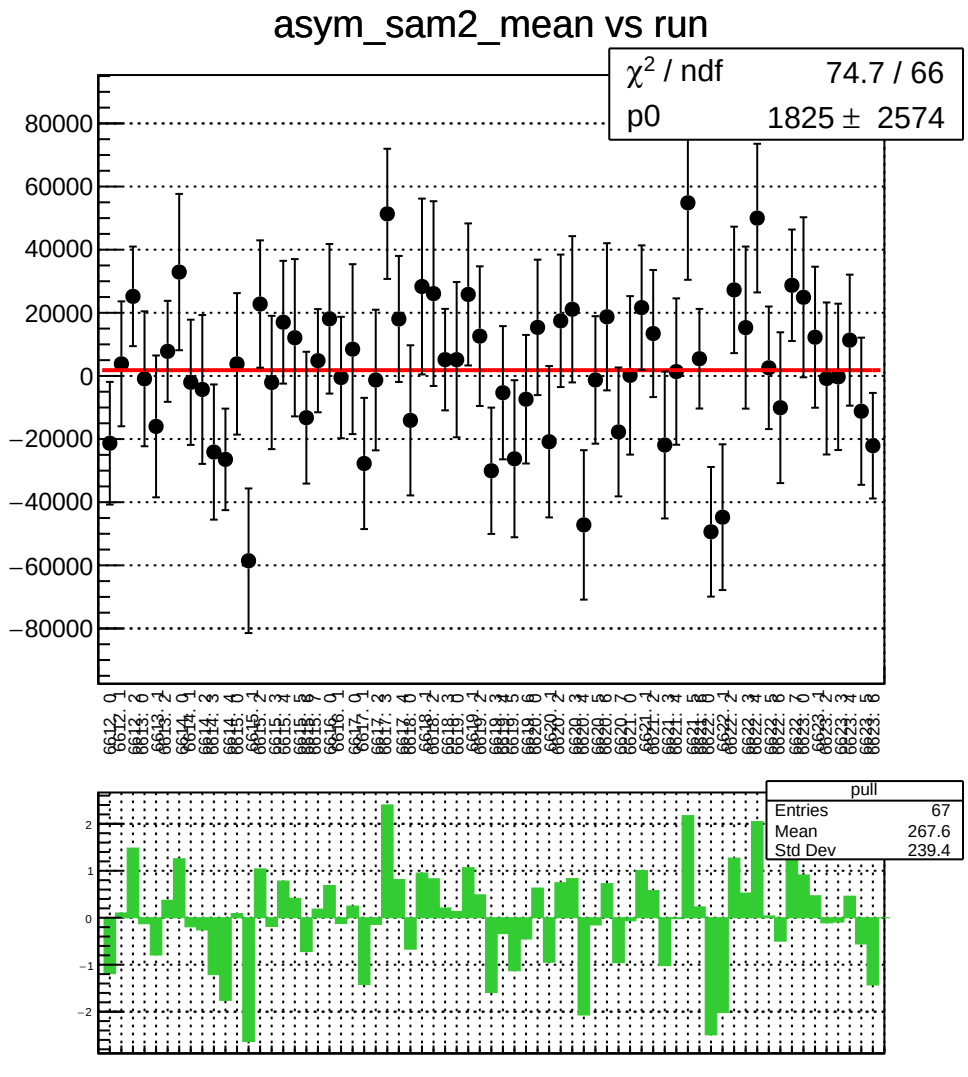

dit_asym_sam2_mean vs run
χ² / ndf 77.83 / 66
p0 79.51 ± 390.9
pull
Entries 67
Mean 282.2
Std Dev 245.8
pull1D
Entries 67
Mean −0.006408
Std Dev 1.078

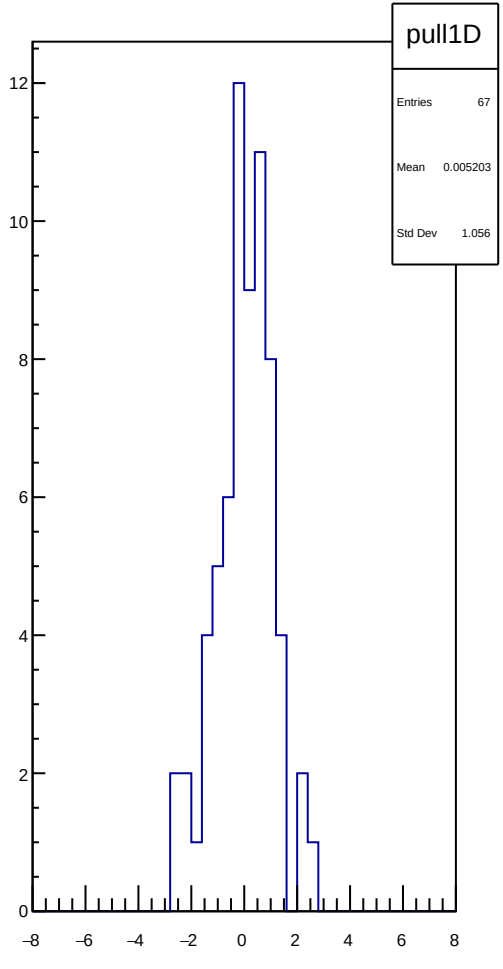
dit_asym_sam2_rms vs run

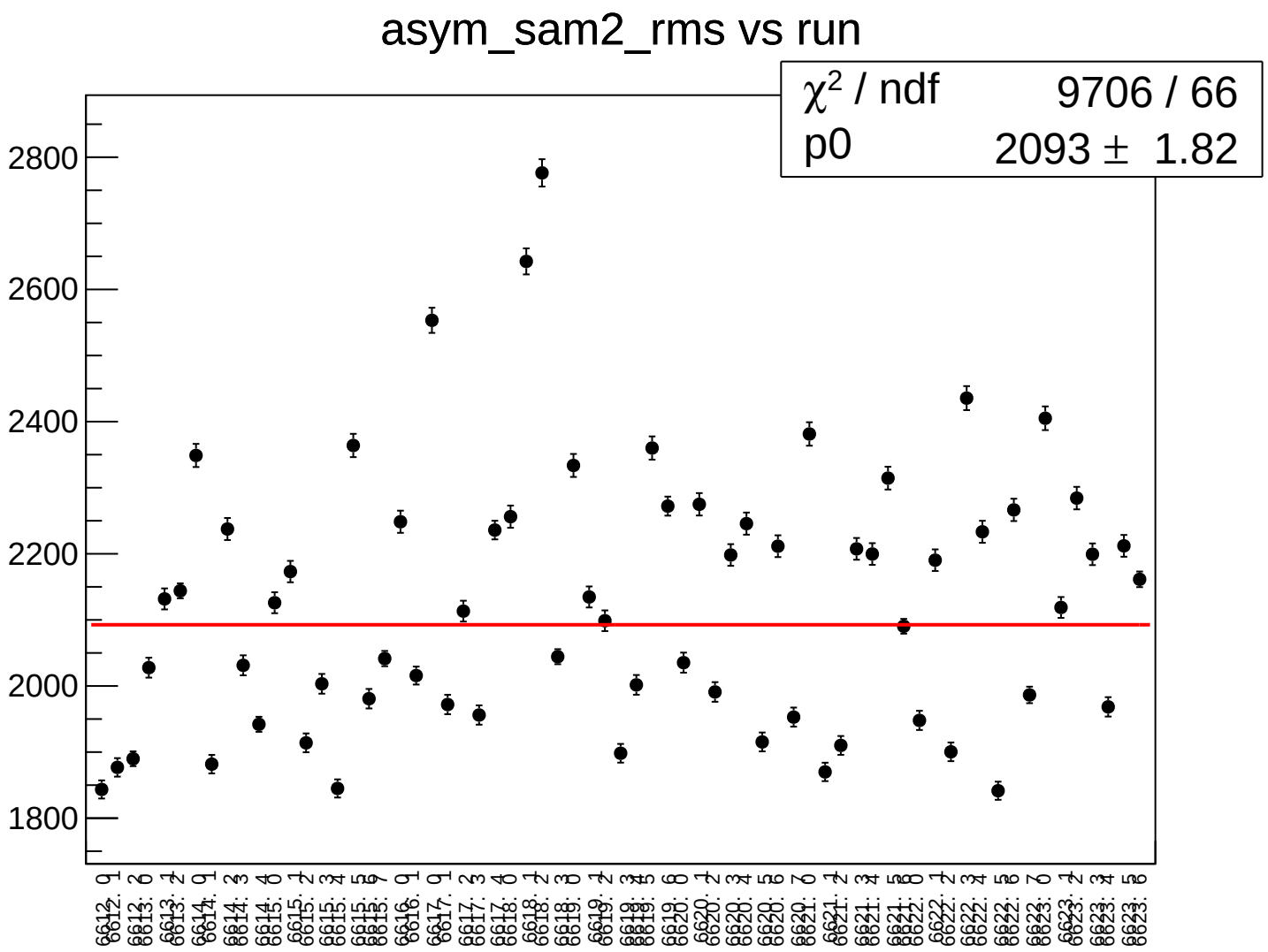


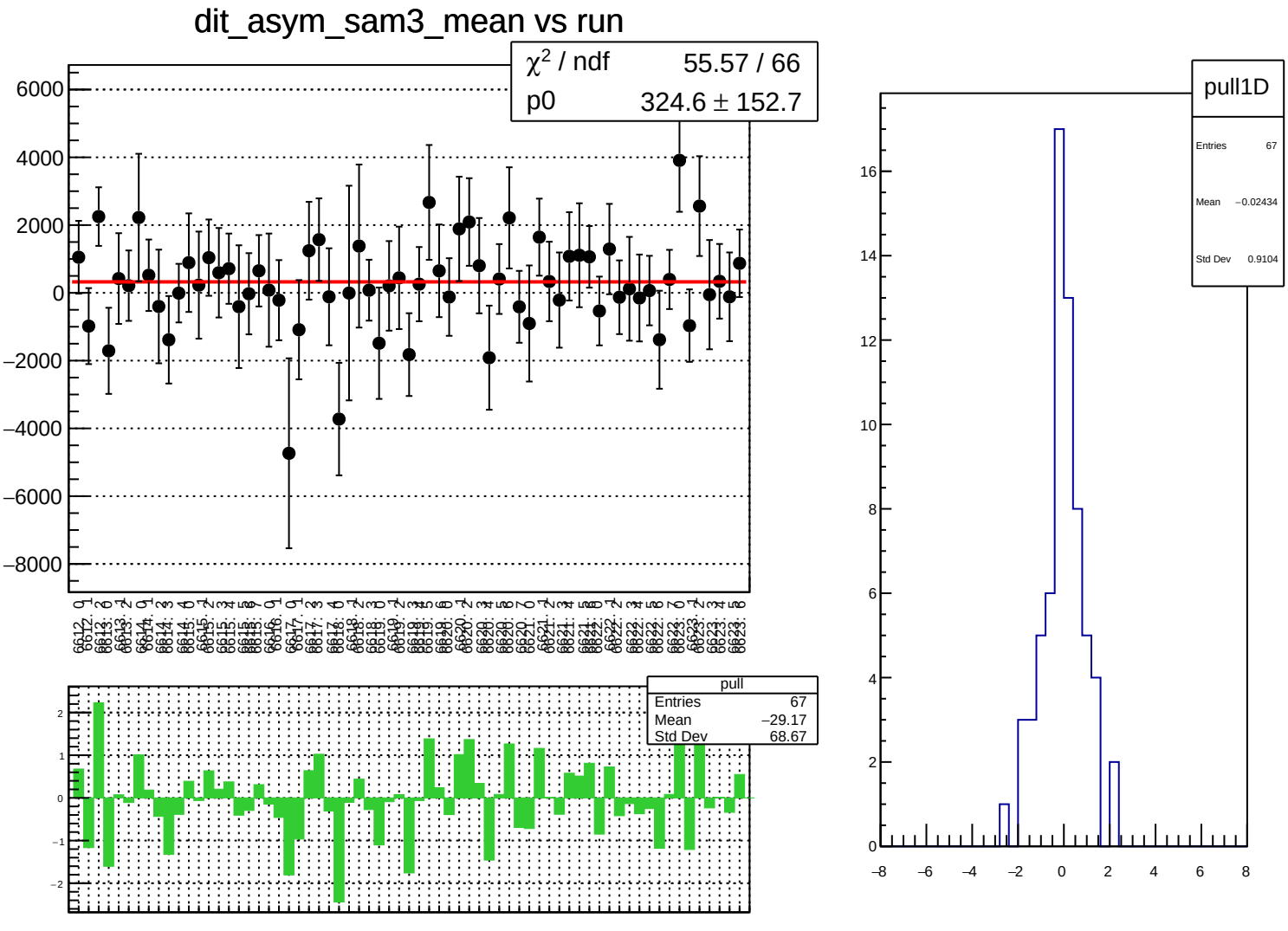

asym_sam2_correction_mean vs run
χ² / ndf 71.15 / 66
p0 −1721 ± 2571
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean 232
Std Dev 202.4
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.007208
Std Dev 1.03
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

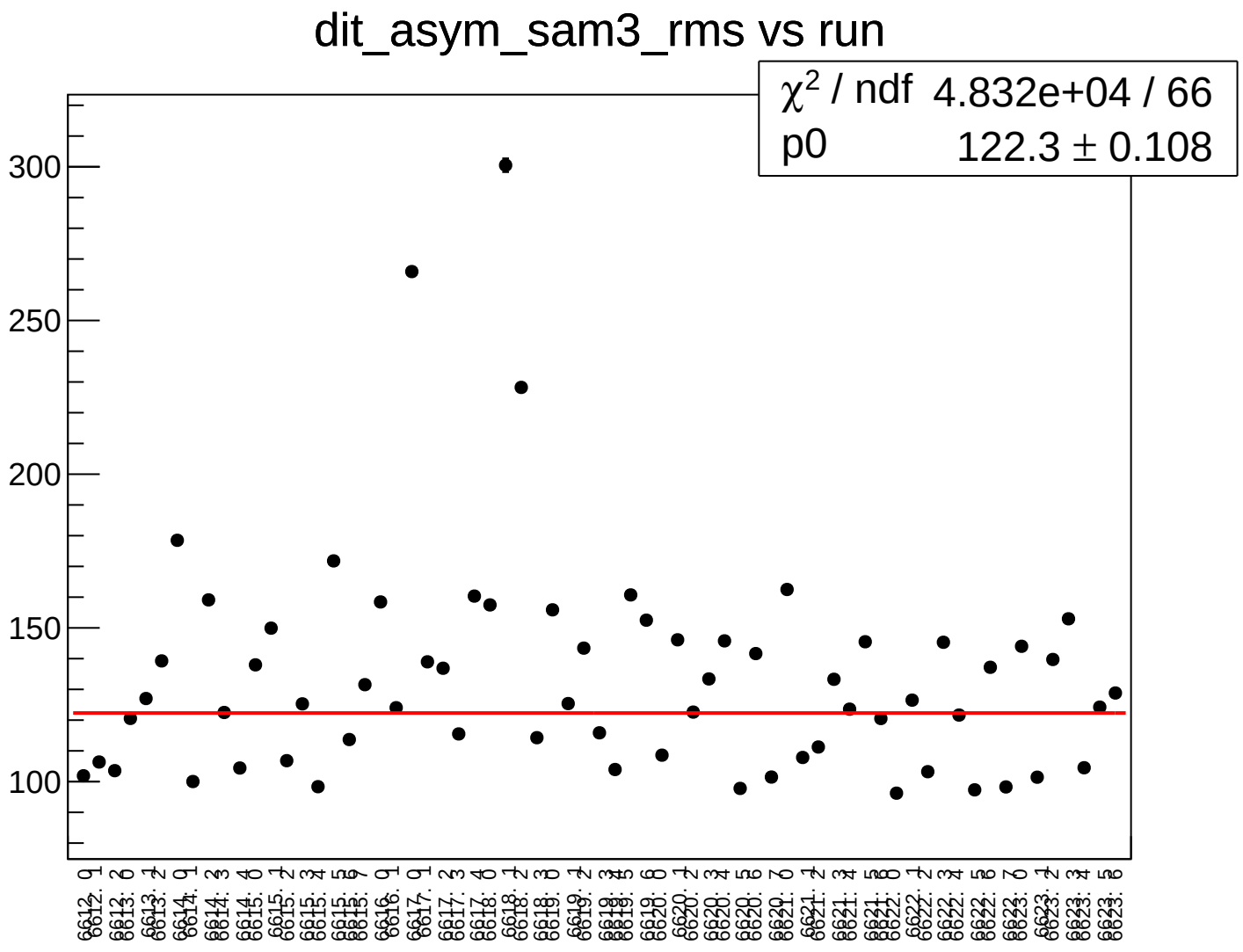

asym_sam2_correction_rms vs run
χ^2 / ndf 7891 / 66
p0 2091 ± 1.818
2600
2400
2200
2000
1800

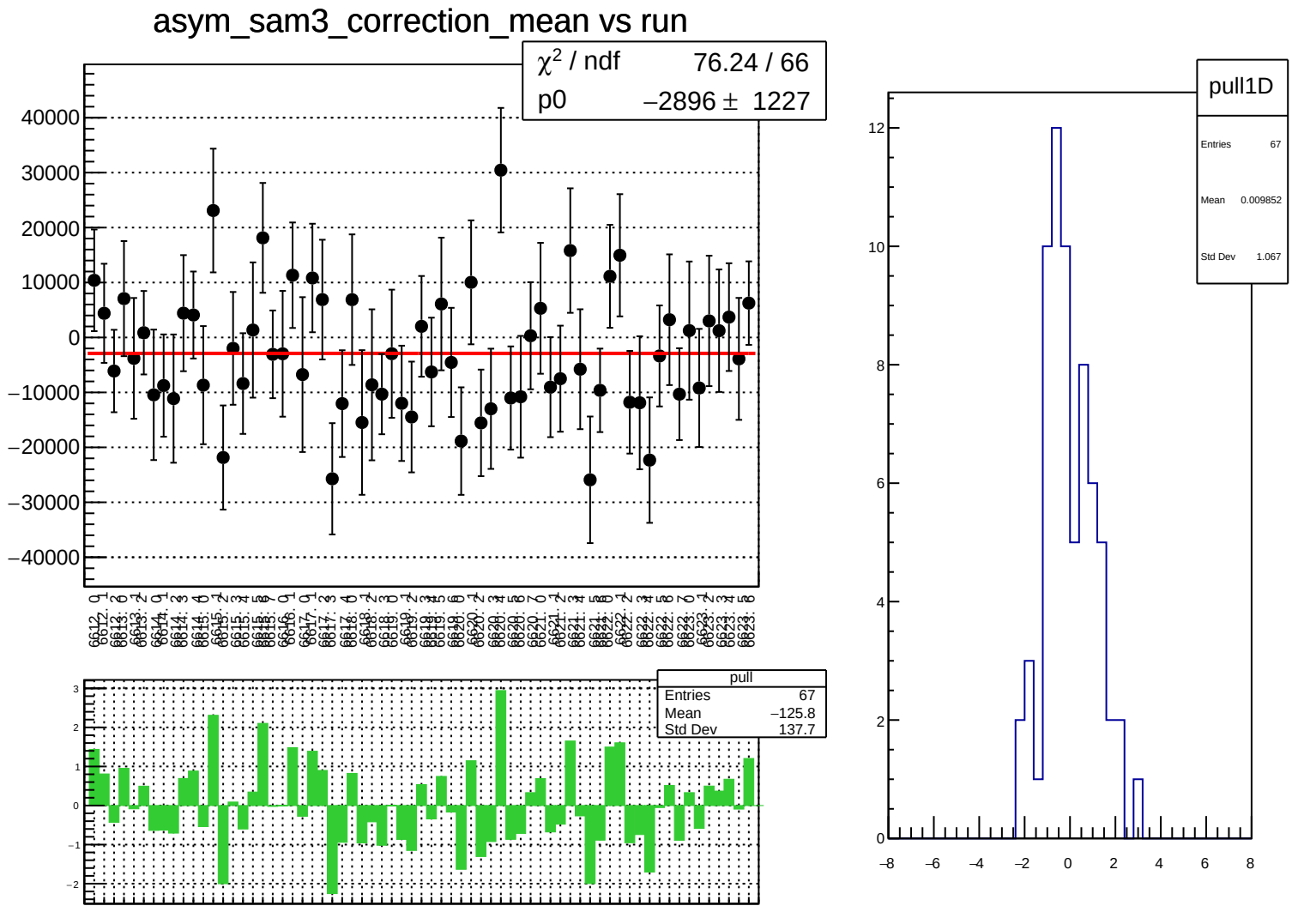

asym_sam2_mean vs run
χ² / ndf 74.7 / 66
p0 1825 ± 2574
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 67
Mean 267.6
Std Dev 239.4
2
1
0
−1
−2

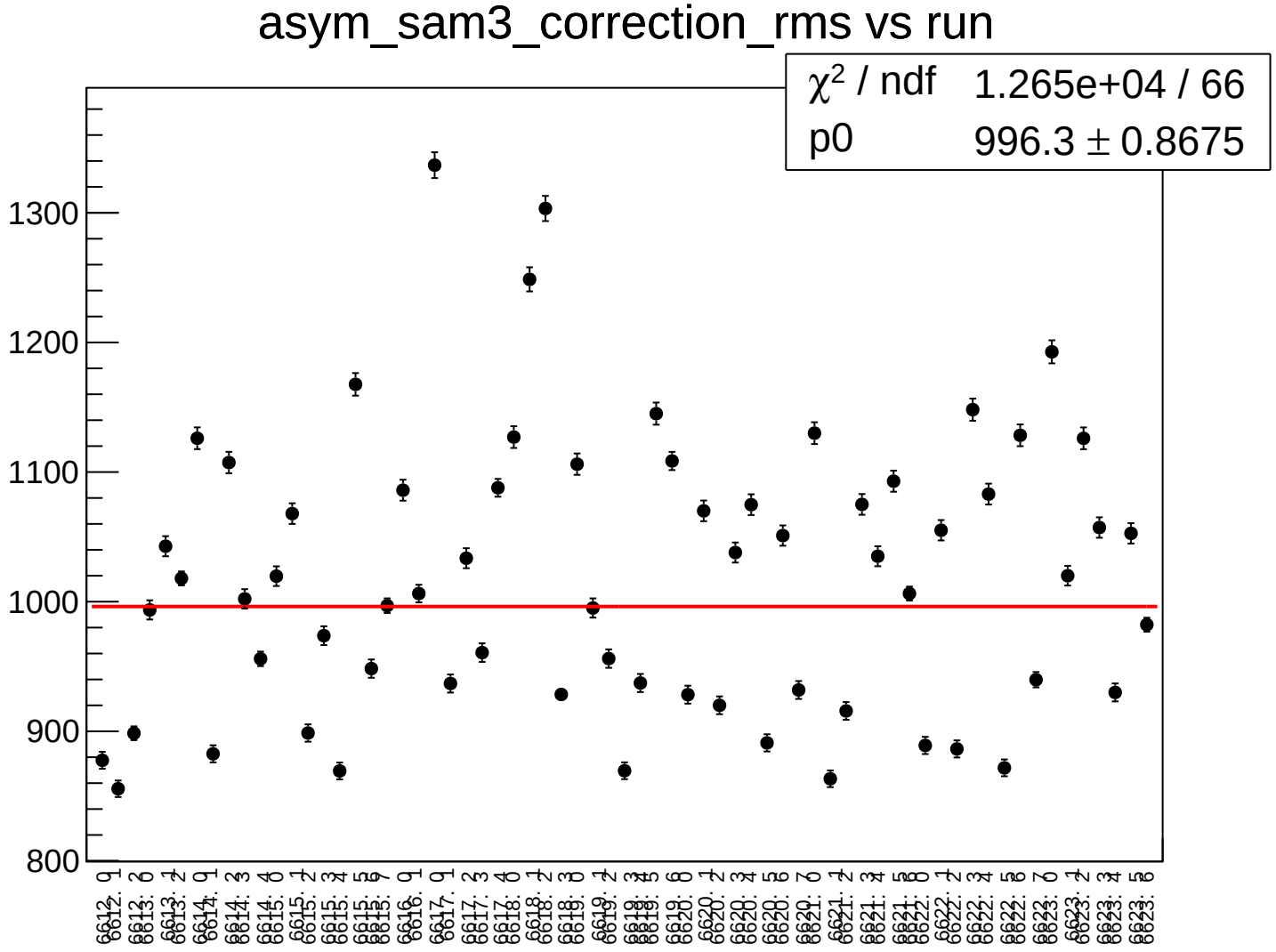

pull1D
Entries 67
Mean 0.005203
Std Dev 1.056
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

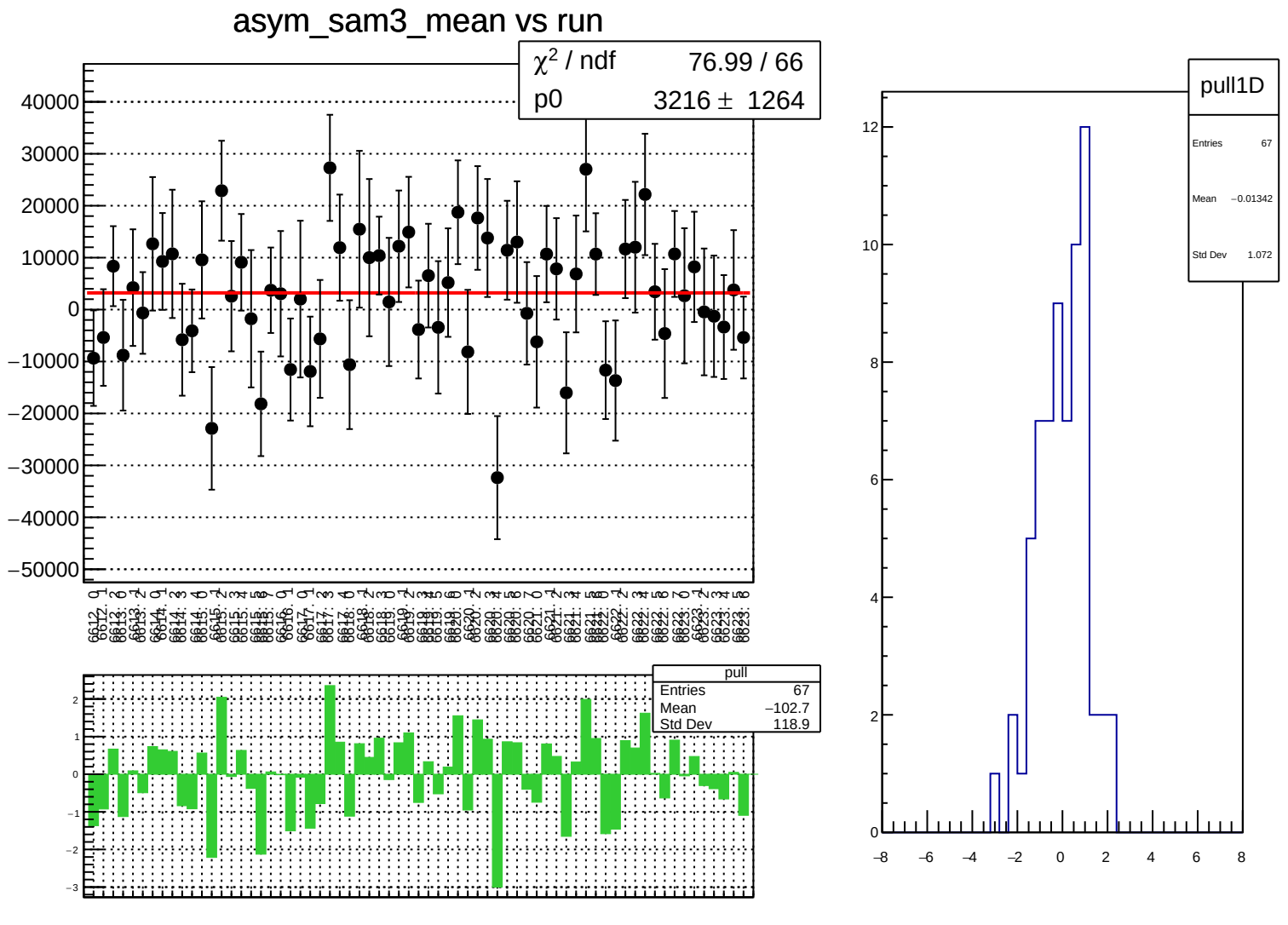

asym_sam2_rms vs run
χ² / ndf 9706 / 66
p0 2093 ± 1.82
2800
2600
2400
2200
2000
1800

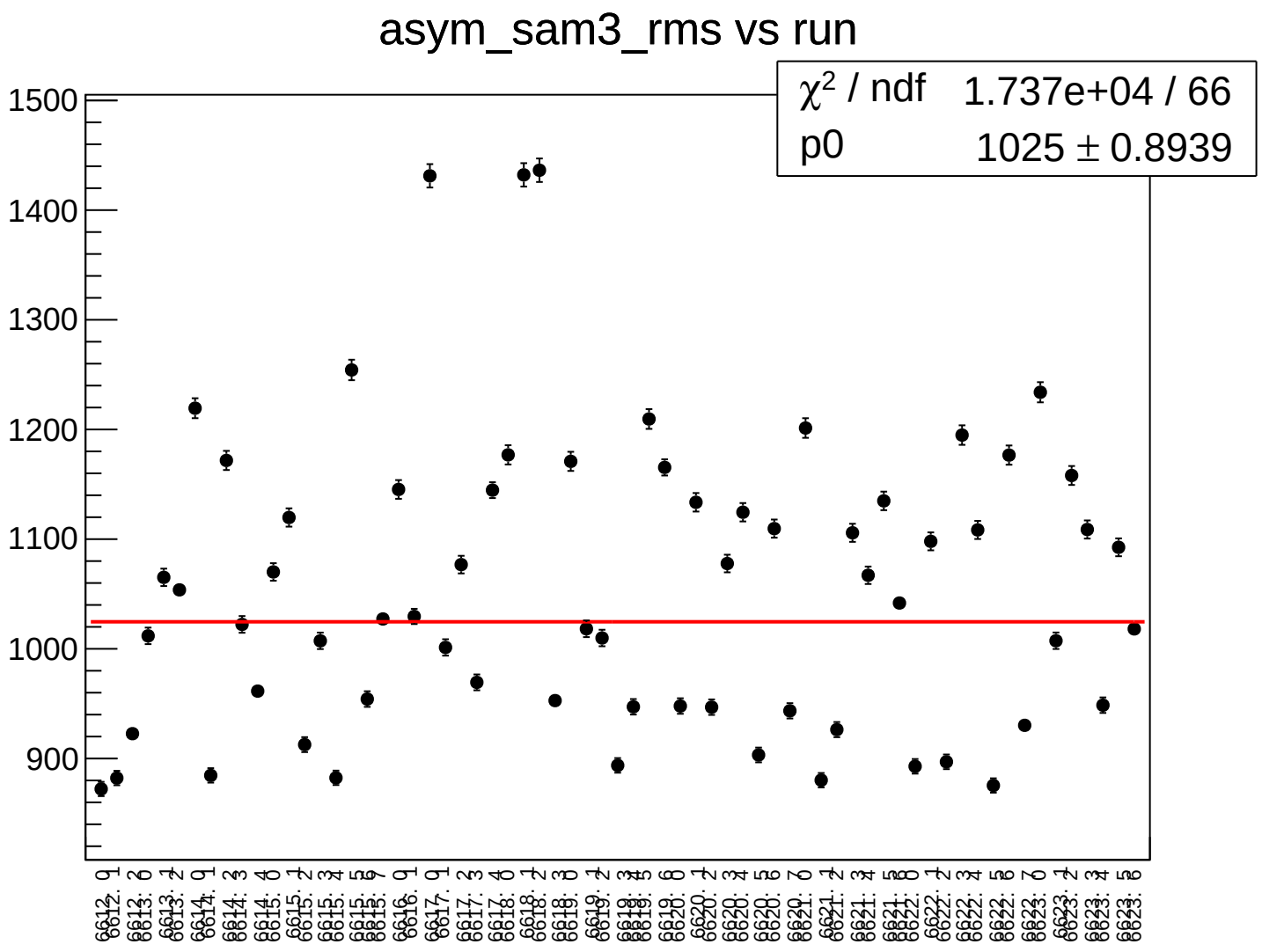

dit_asym_sam3_mean vs run
χ² / ndf 55.57 / 66
p0 324.6 ± 152.7
pull
Entries 67
Mean −29.17
Std Dev 68.67
pull1D
Entries 67
Mean −0.02434
Std Dev 0.9104

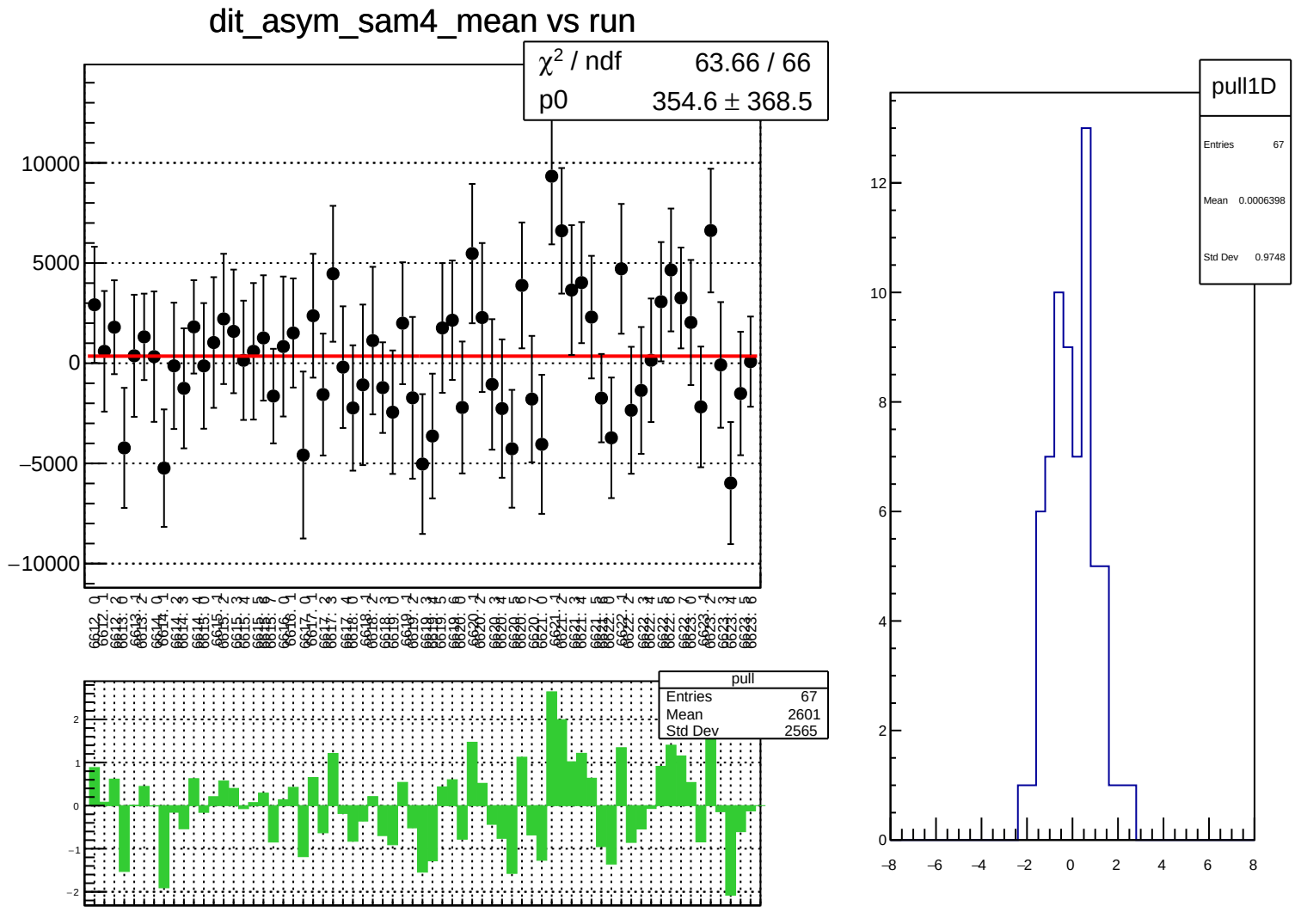

dit_asym_sam3_rms vs run
χ² / ndf 4.832e+04 / 66
p0 122.3 ± 0.108
300
250
200
150
100


asym_sam3_correction_mean vs run
χ² / ndf 76.24 / 66
p0 −2896 ± 1227
pull
Entries 67
Mean −125.8
Std Dev 137.7
pull1D
Entries 67
Mean 0.009852
Std Dev 1.067

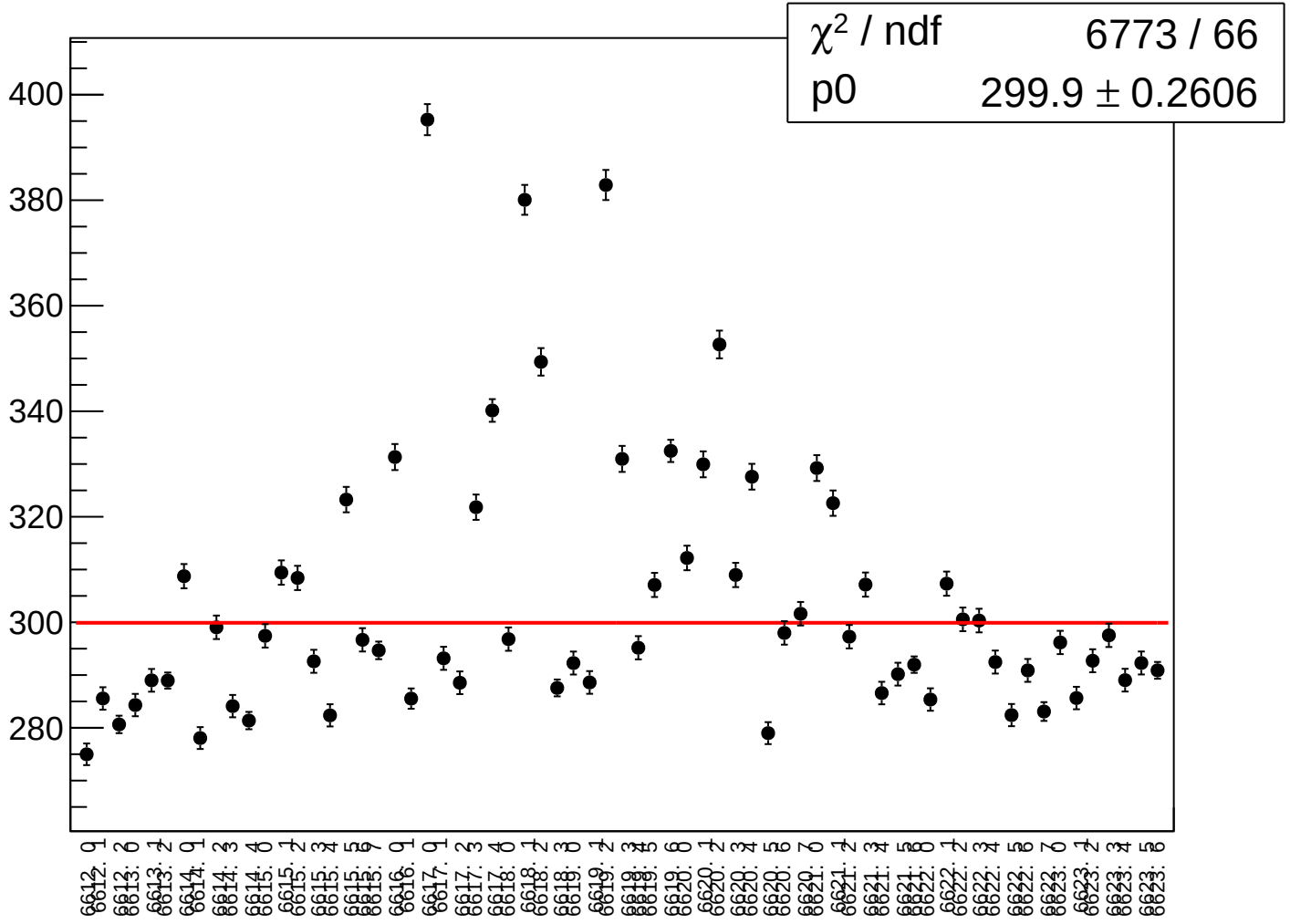

asym_sam3_correction_rms vs run
χ² / ndf 1.265e+04 / 66
p0 996.3 ± 0.8675
1300
1200
1100
1000
900
800

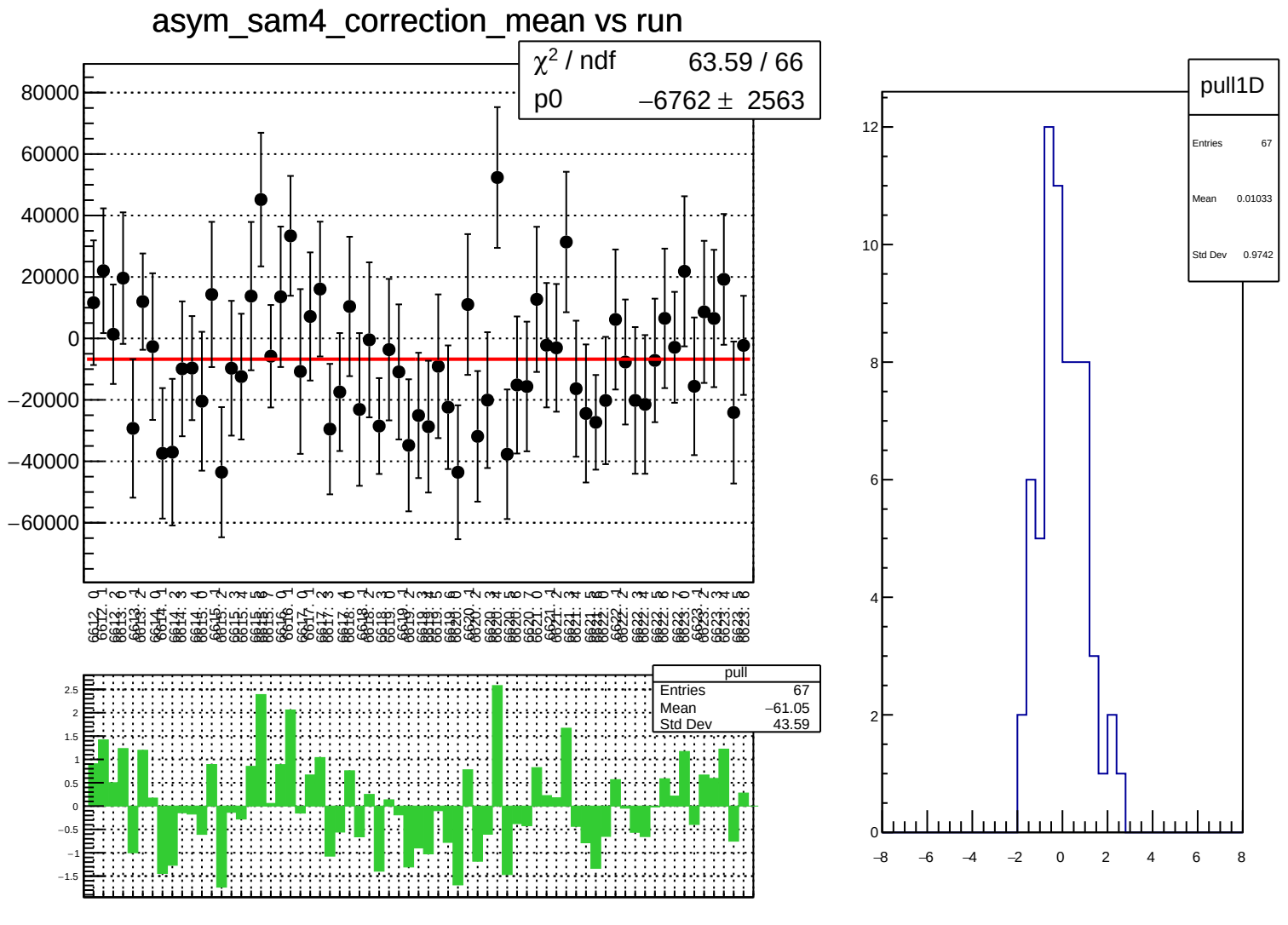

asym_sam3_mean vs run
χ² / ndf 76.99 / 66
p0 3216 ± 1264
pull
Entries 67
Mean −102.7
Std Dev 118.9
pull1D
Entries 67
Mean −0.01342
Std Dev 1.072

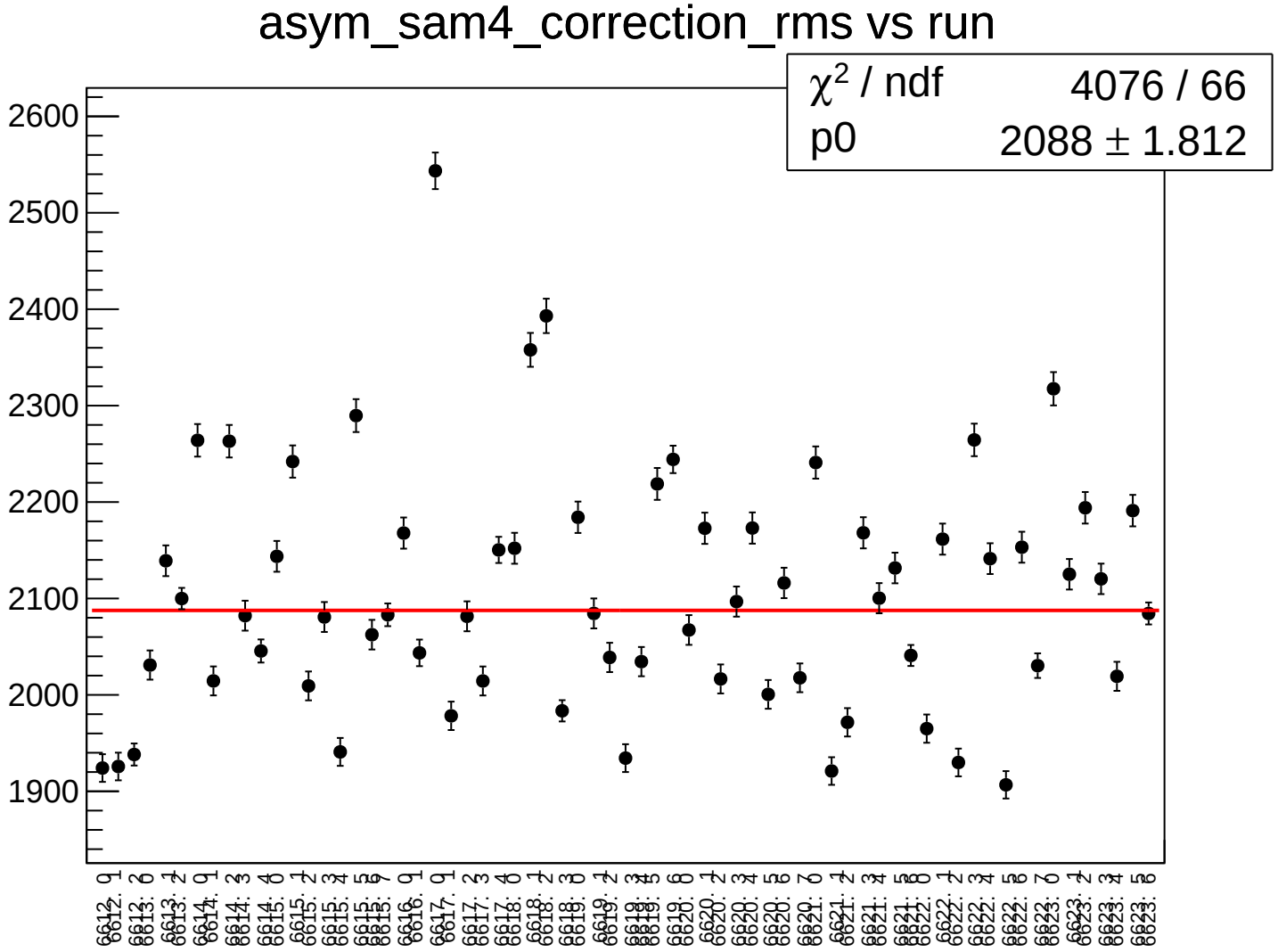

asym_sam3_rms vs run
χ^2 / ndf 1.737e+04 / 66
p0 1025 ± 0.8939
1500
1400
1300
1200
1100
1000
900

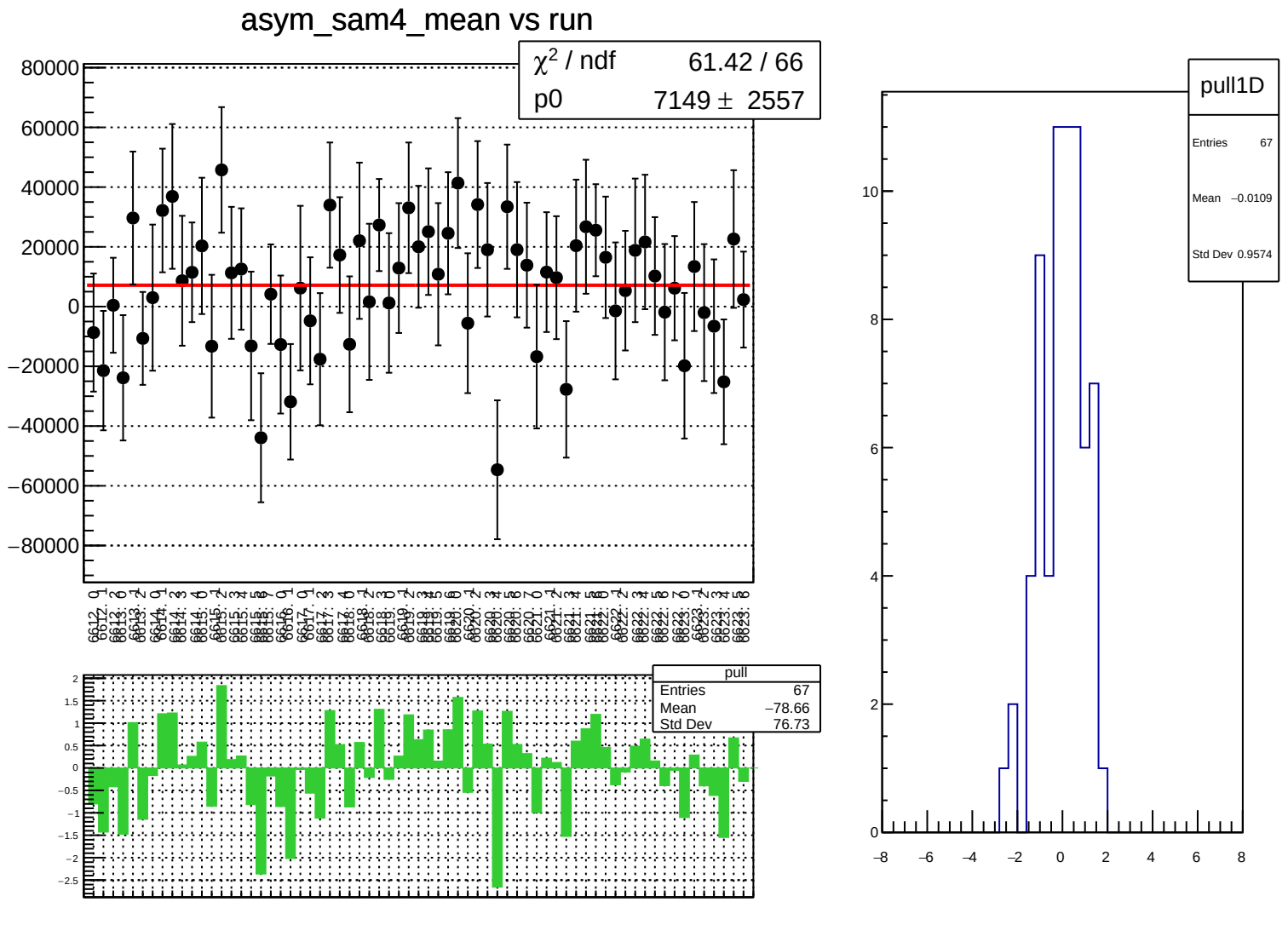

dit_asym_sam4_mean vs run
χ² / ndf 63.66 / 66
p0 354.6 ± 368.5
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 2601
Std Dev 2565
pull1D
Entries 67
Mean 0.0006398
Std Dev 0.9748

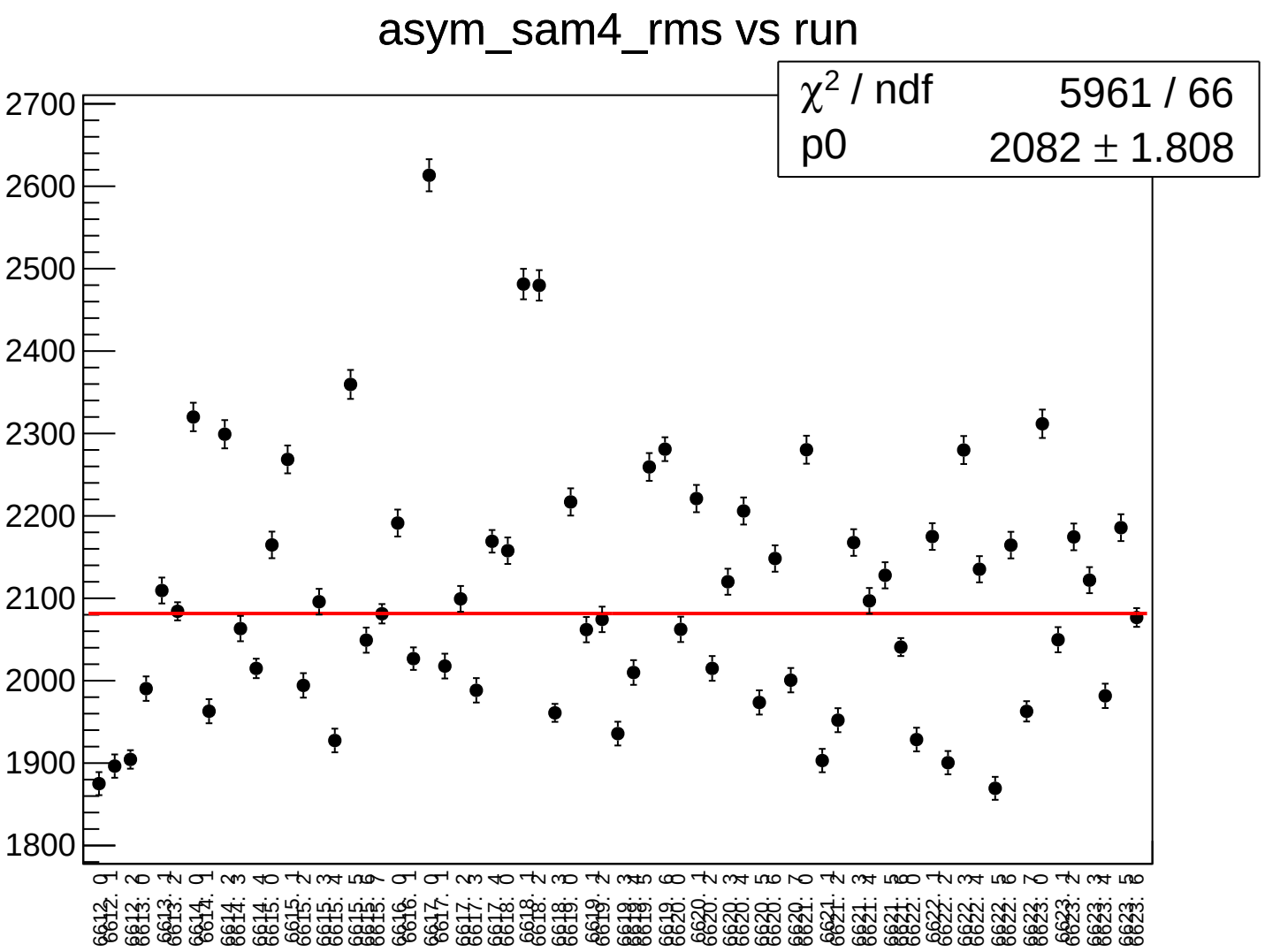
dit_asym_sam4_rms vs run

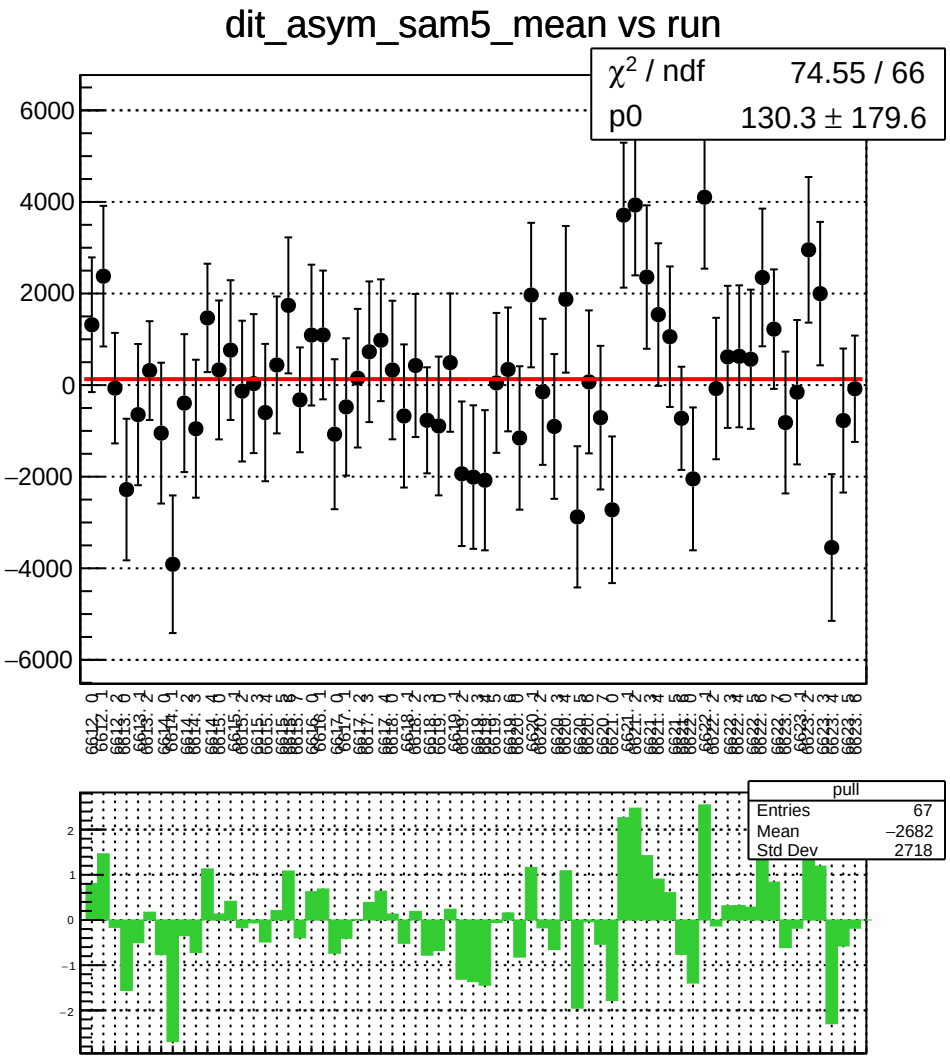


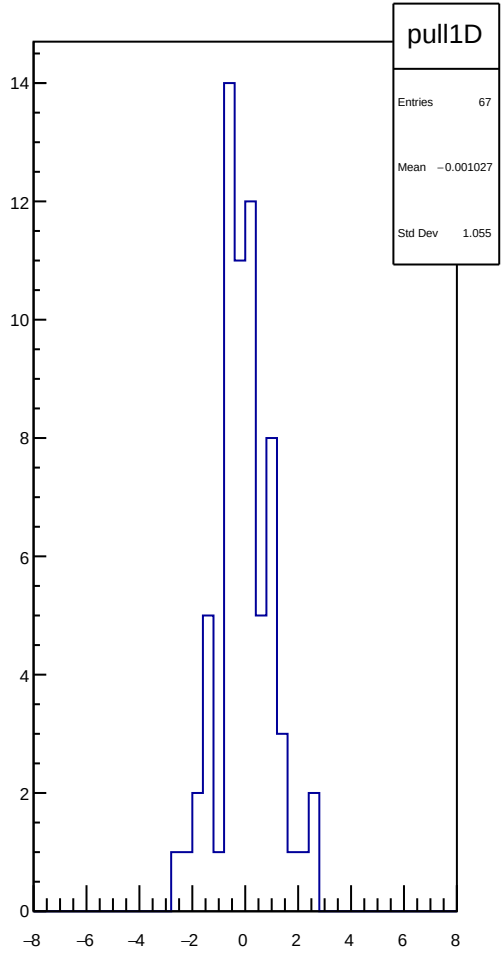

asym_sam4_correction_mean vs run
χ² / ndf 63.59 / 66
p0 −6762 ± 2563
pull
Entries 67
Mean −61.05
Std Dev 43.59
pull1D
Entries 67
Mean 0.01033
Std Dev 0.9742

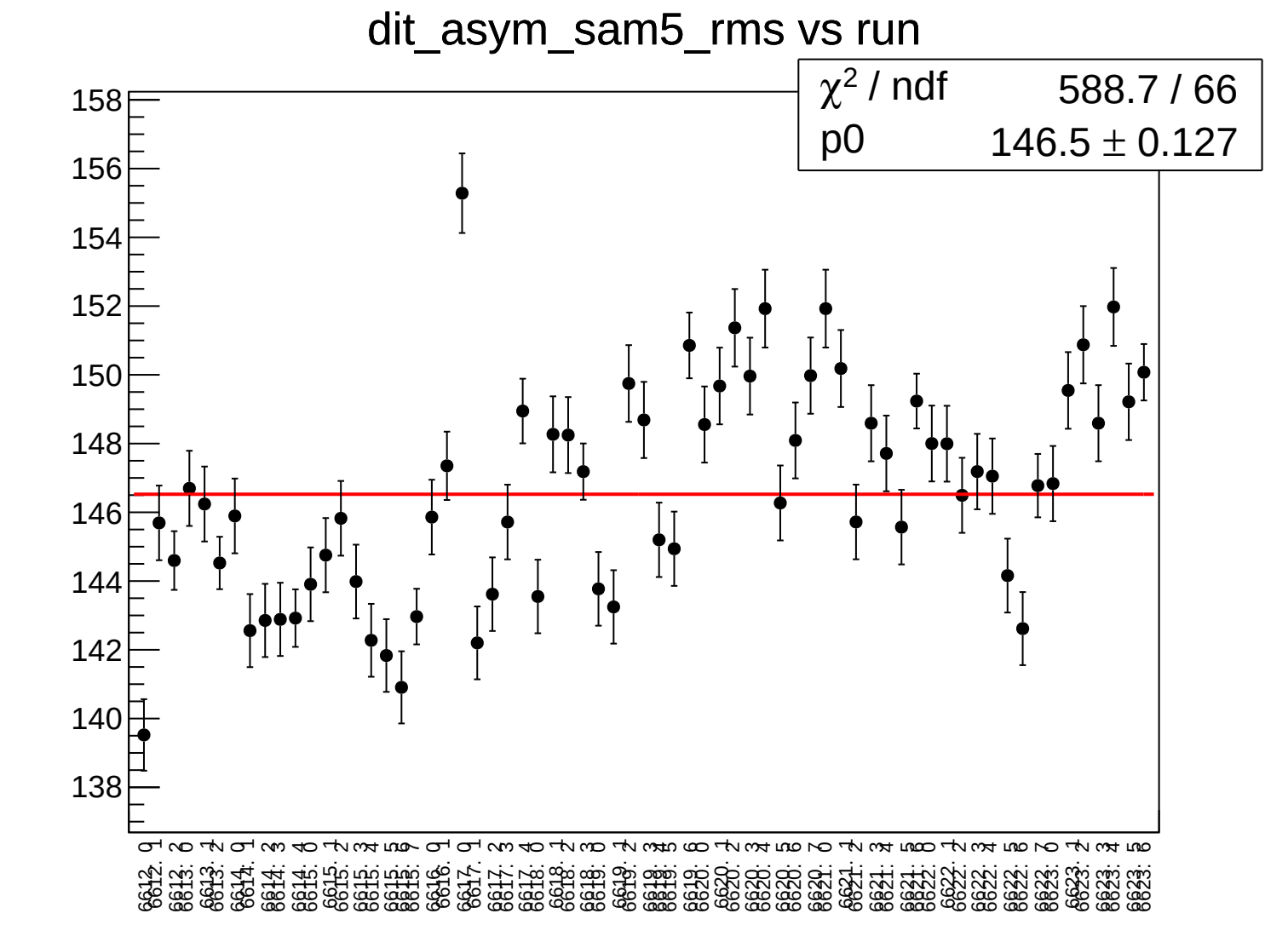

asym_sam4_correction_rms vs run
χ^2 / ndf 4076 / 66
p0 2088 ± 1.812
2600
2500
2400
2300
2200
2100
2000
1900

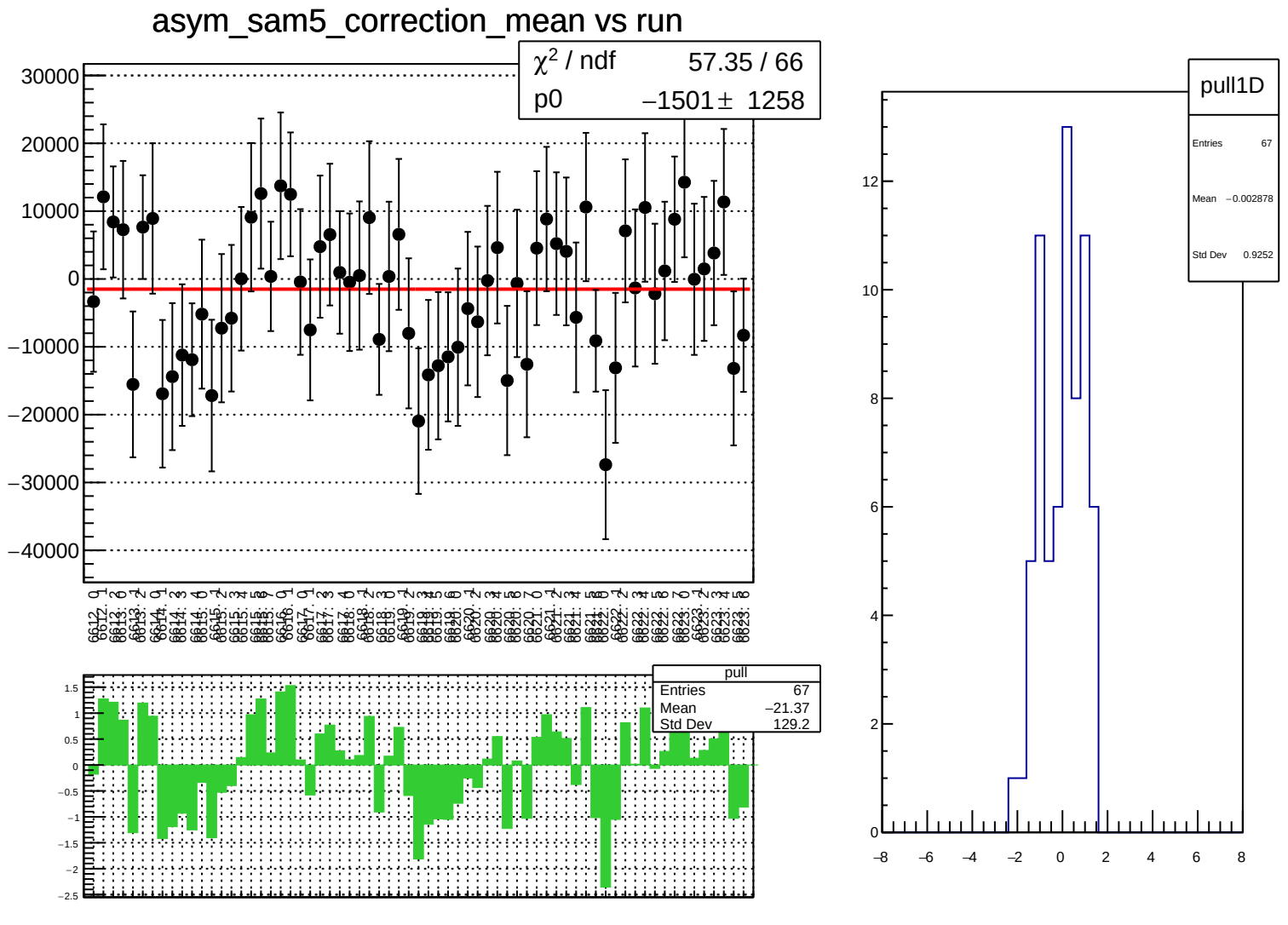

asym_sam4_mean vs run
χ² / ndf 61.42 / 66
p0 7149 ± 2557
pull
Entries 67
Mean −78.66
Std Dev 76.73
pull1D
Entries 67
Mean −0.0109
Std Dev 0.9574

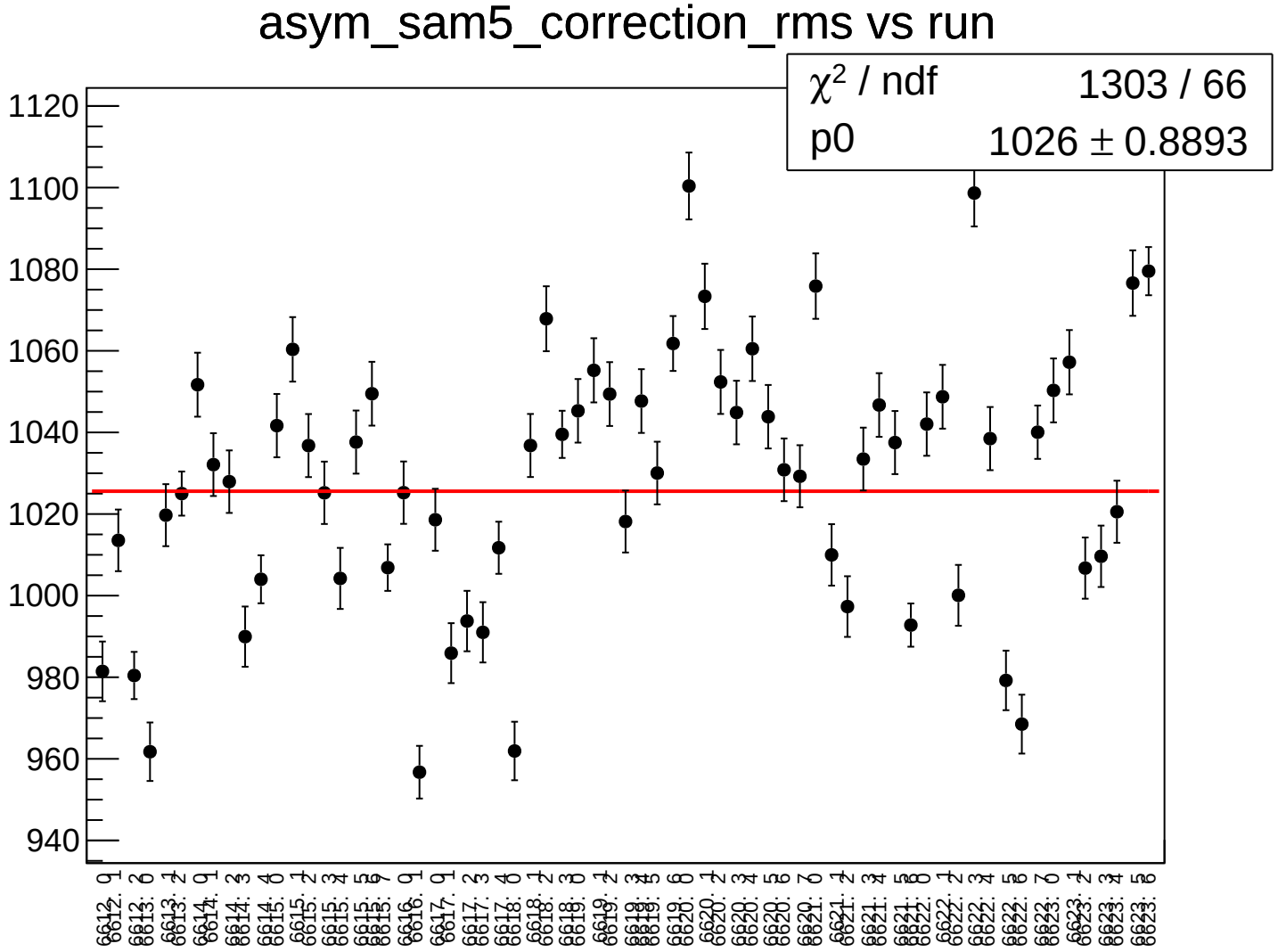

asym_sam4_rms vs run
χ^2 / ndf 5961 / 66
p0 2082 ± 1.808
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800

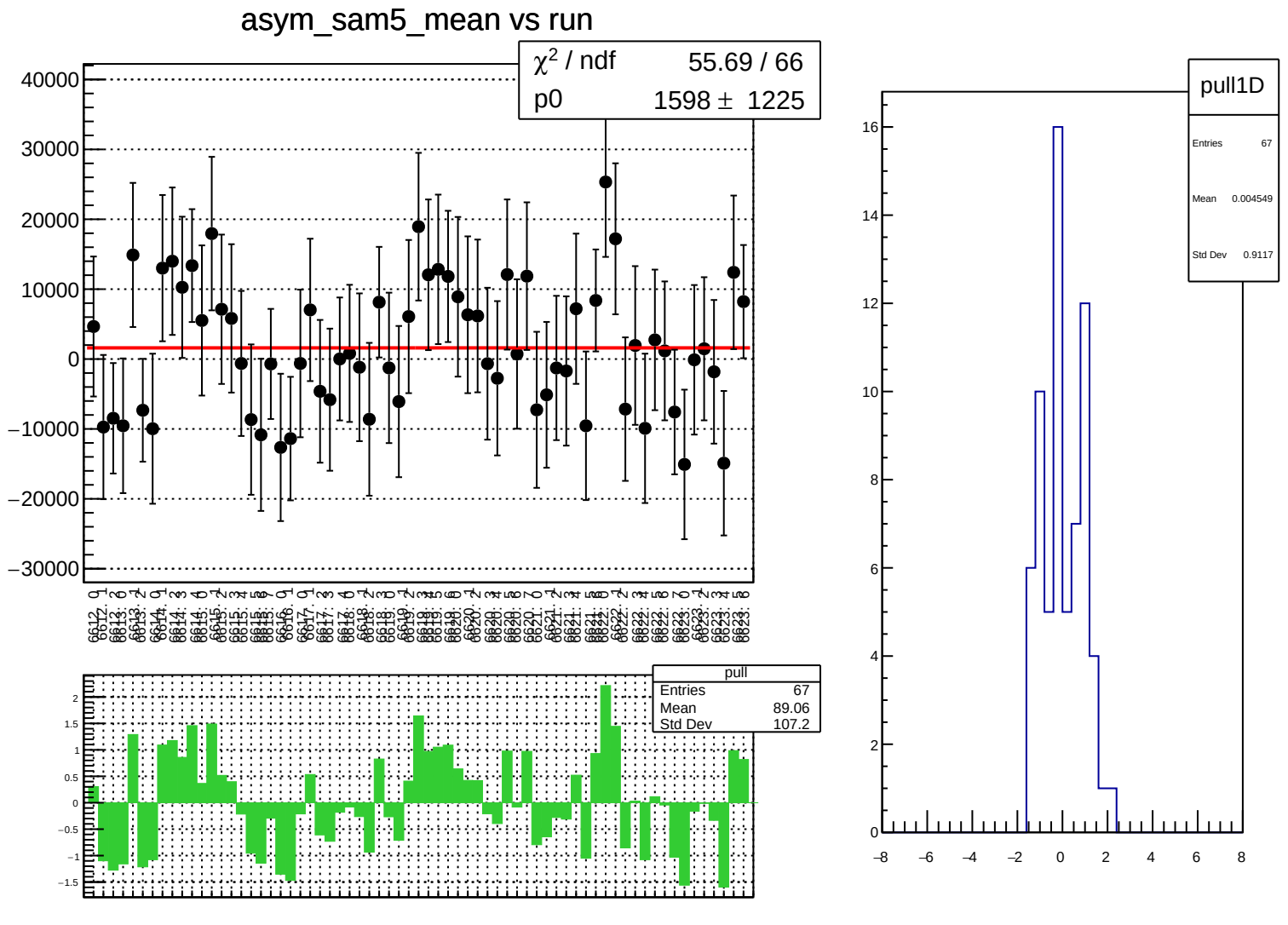

dit_asym_sam5_mean vs run
χ^2 / ndf 74.55 / 66
p0 130.3 ± 179.6
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 67
Mean −2682
Std Dev 2718
2
1
0
−1
−2

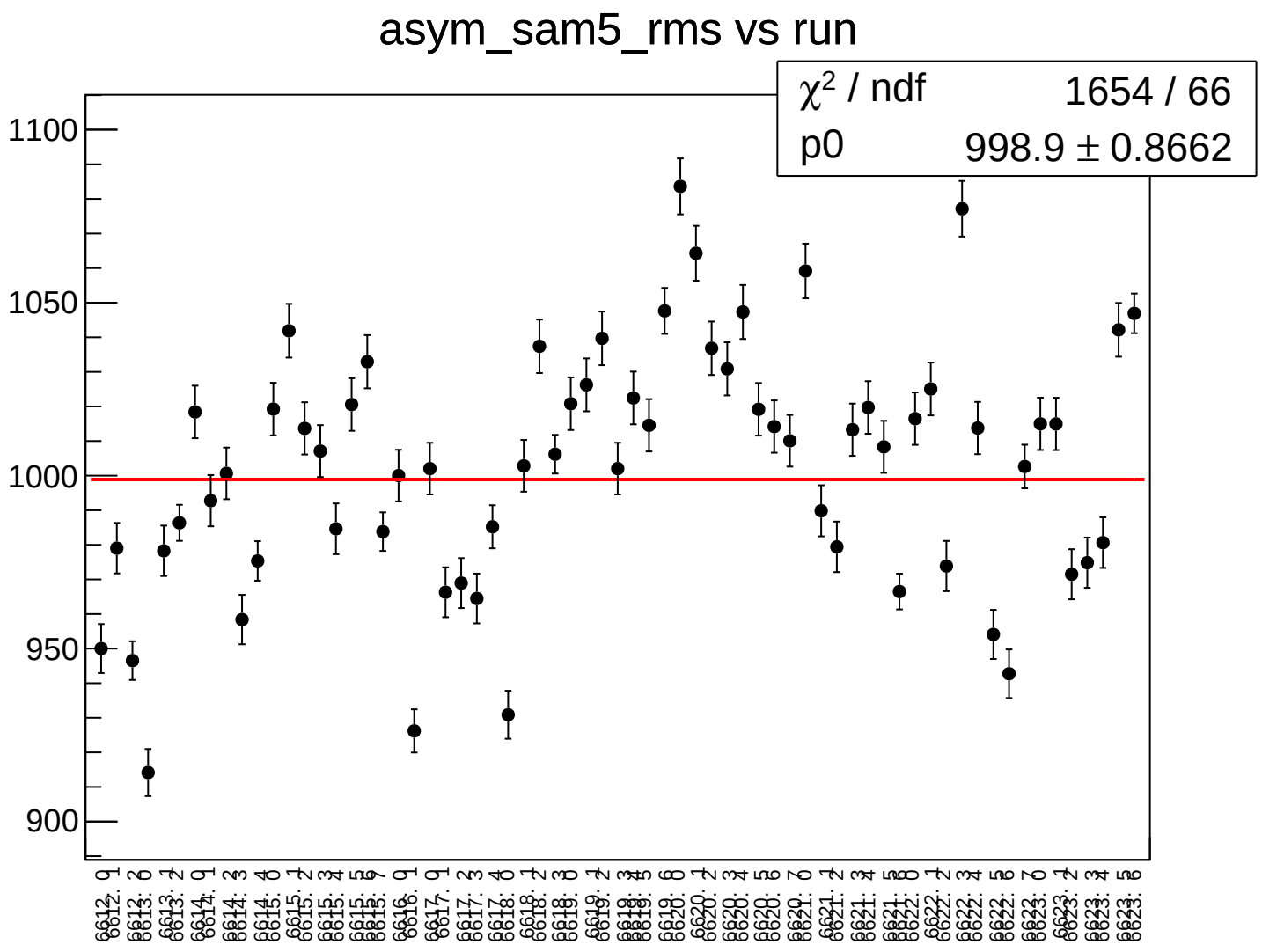

pull1D
Entries 67
Mean −0.001027
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

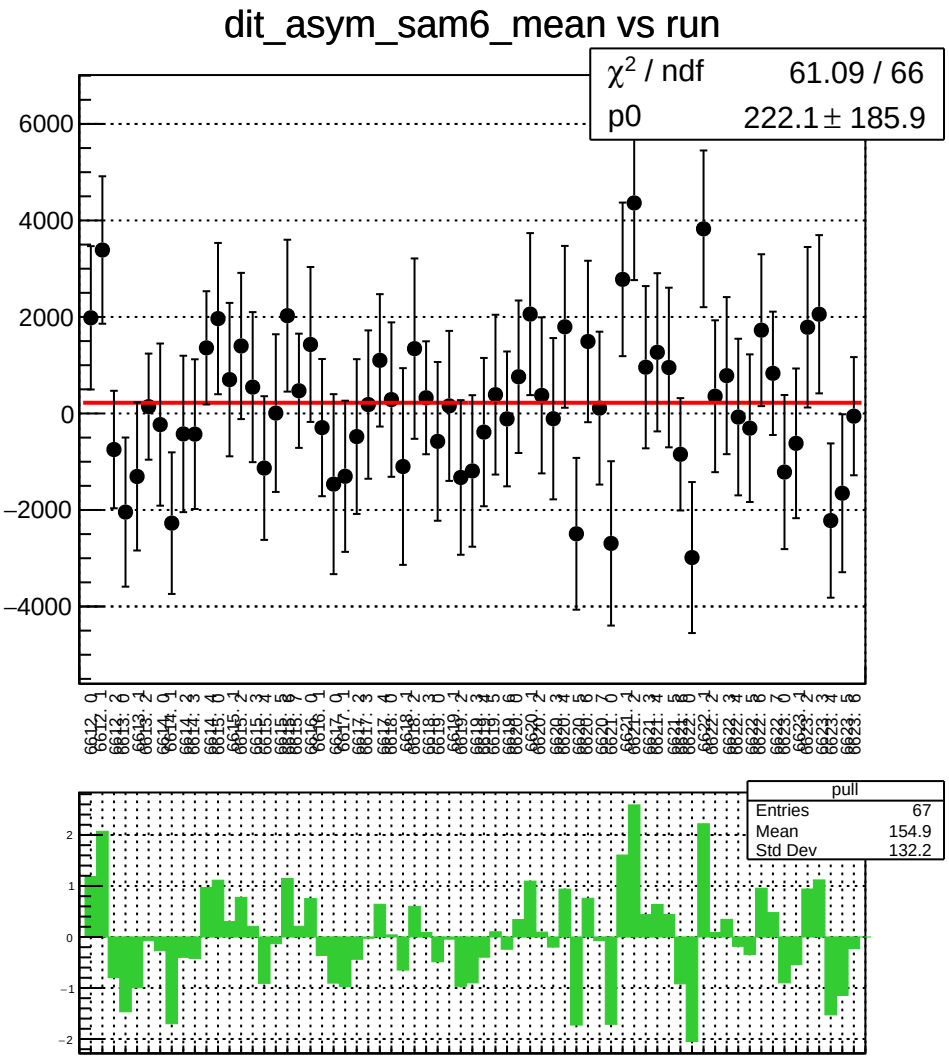

dit_asym_sam5_rms vs run
χ² / ndf 588.7 / 66
p0 146.5 ± 0.127
158
156
154
152
150
148
146
144
142
140
138

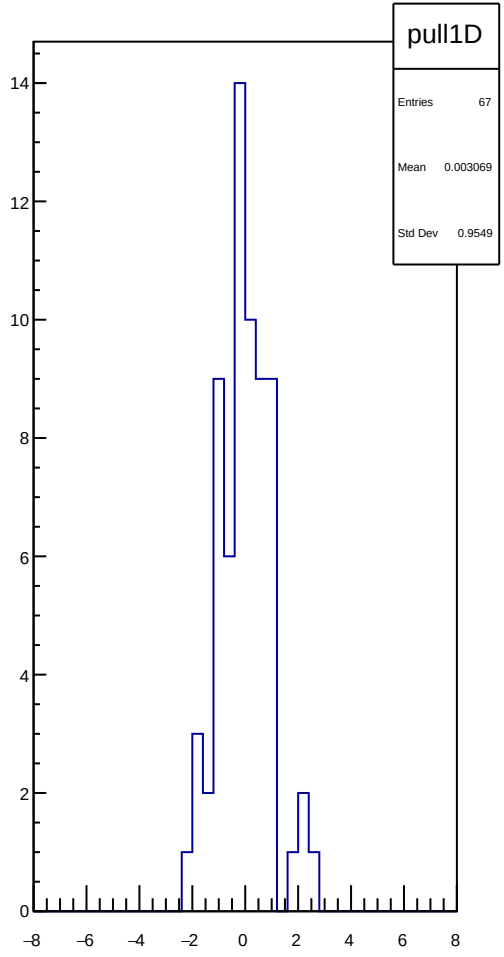

asym_sam5_correction_mean vs run
χ² / ndf 57.35 / 66
p0 −1501 ± 1258
pull
Entries 67
Mean −21.37
Std Dev 129.2
pull1D
Entries 67
Mean −0.002878
Std Dev 0.9252


asym_sam5_correction_rms vs run
χ² / ndf 1303 / 66
p0 1026 ± 0.8893
1120
1100
1080
1060
1040
1020
1000
980
960
940

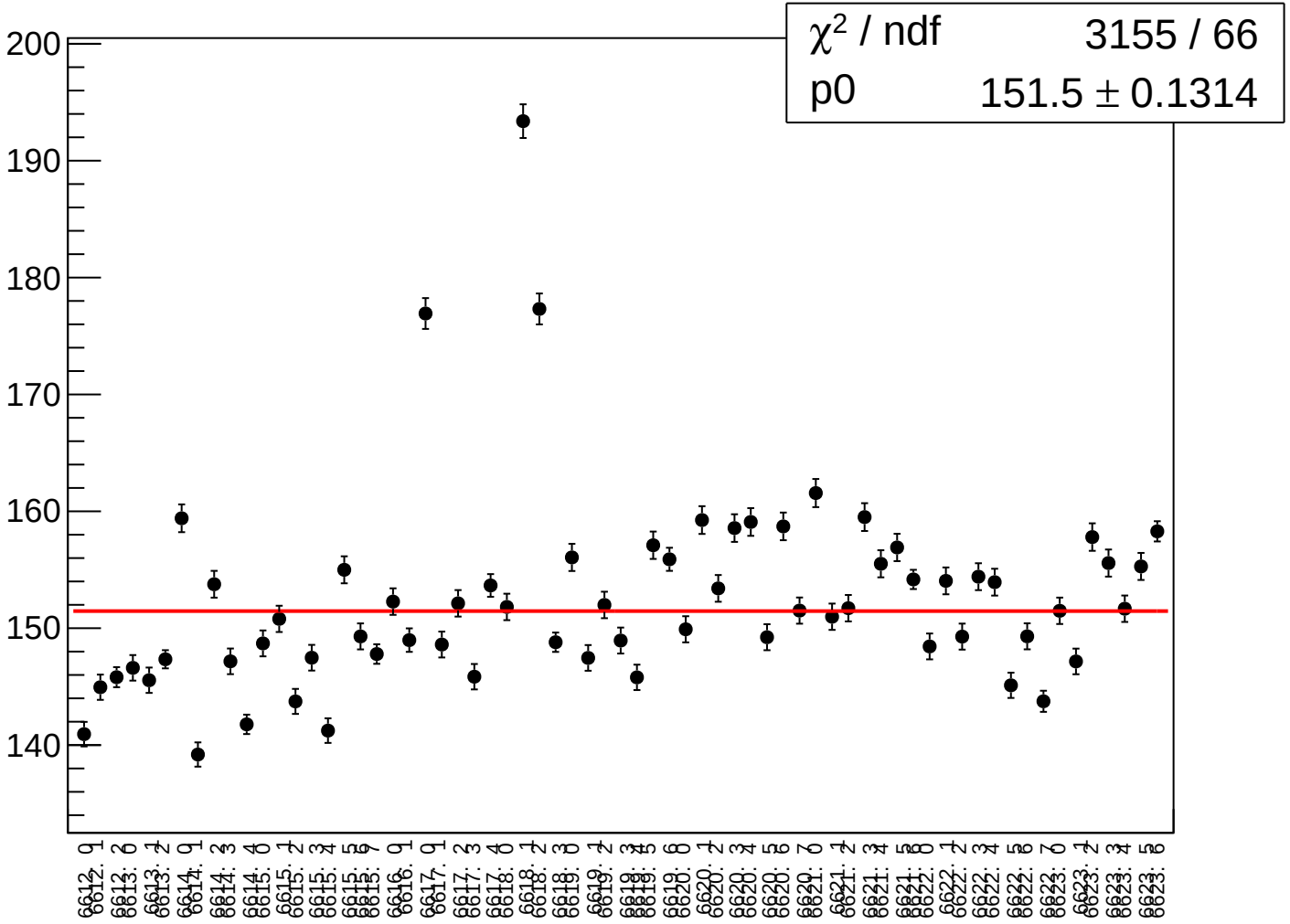

asym_sam5_mean vs run
χ² / ndf 55.69 / 66
p0 1598 ± 1225
pull
Entries 67
Mean 89.06
Std Dev 107.2
pull1D
Entries 67
Mean 0.004549
Std Dev 0.9117

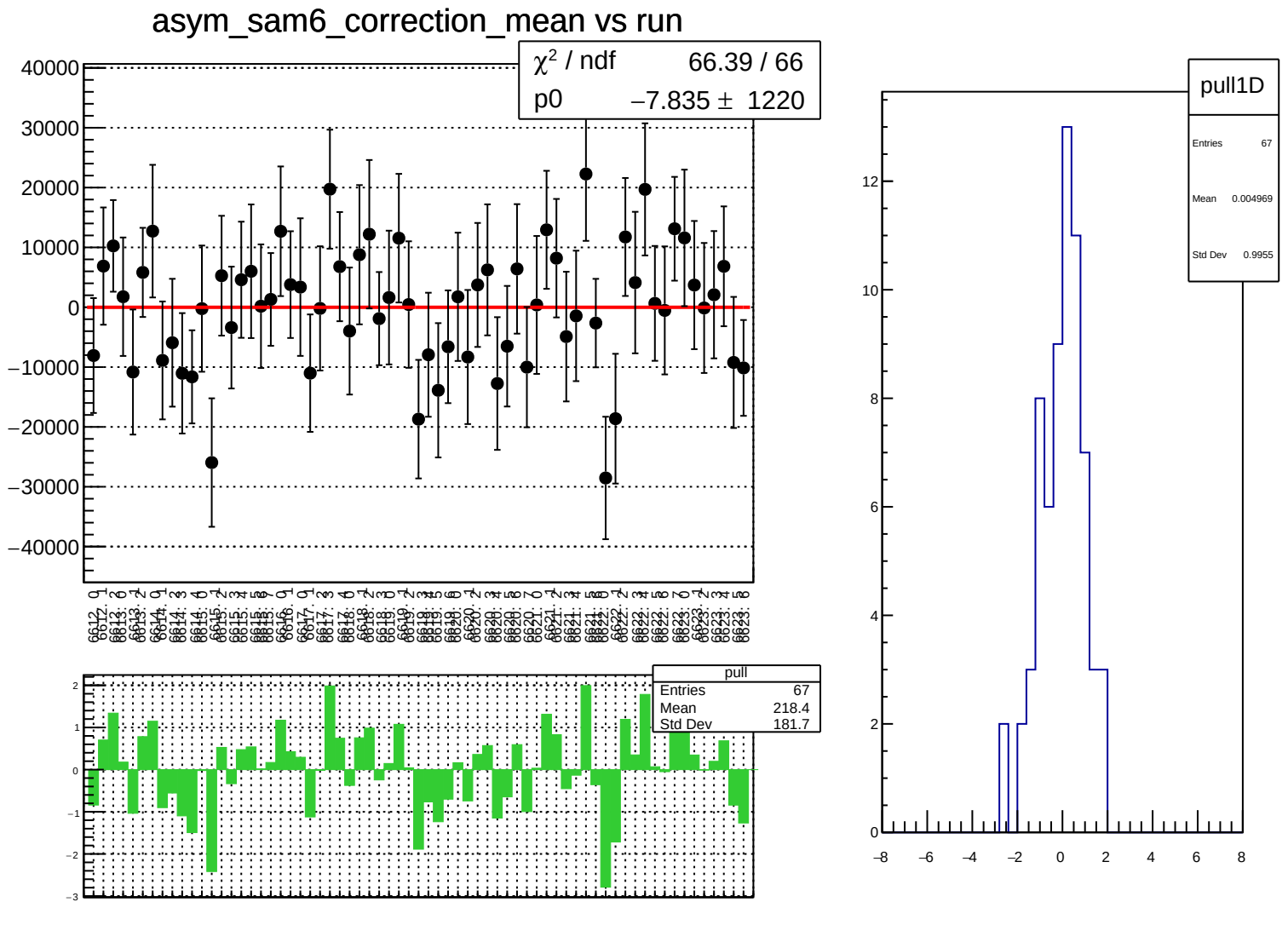

asym_sam5_rms vs run
χ² / ndf 1654 / 66
p0 998.9 ± 0.8662
1100
1050
1000
950
900

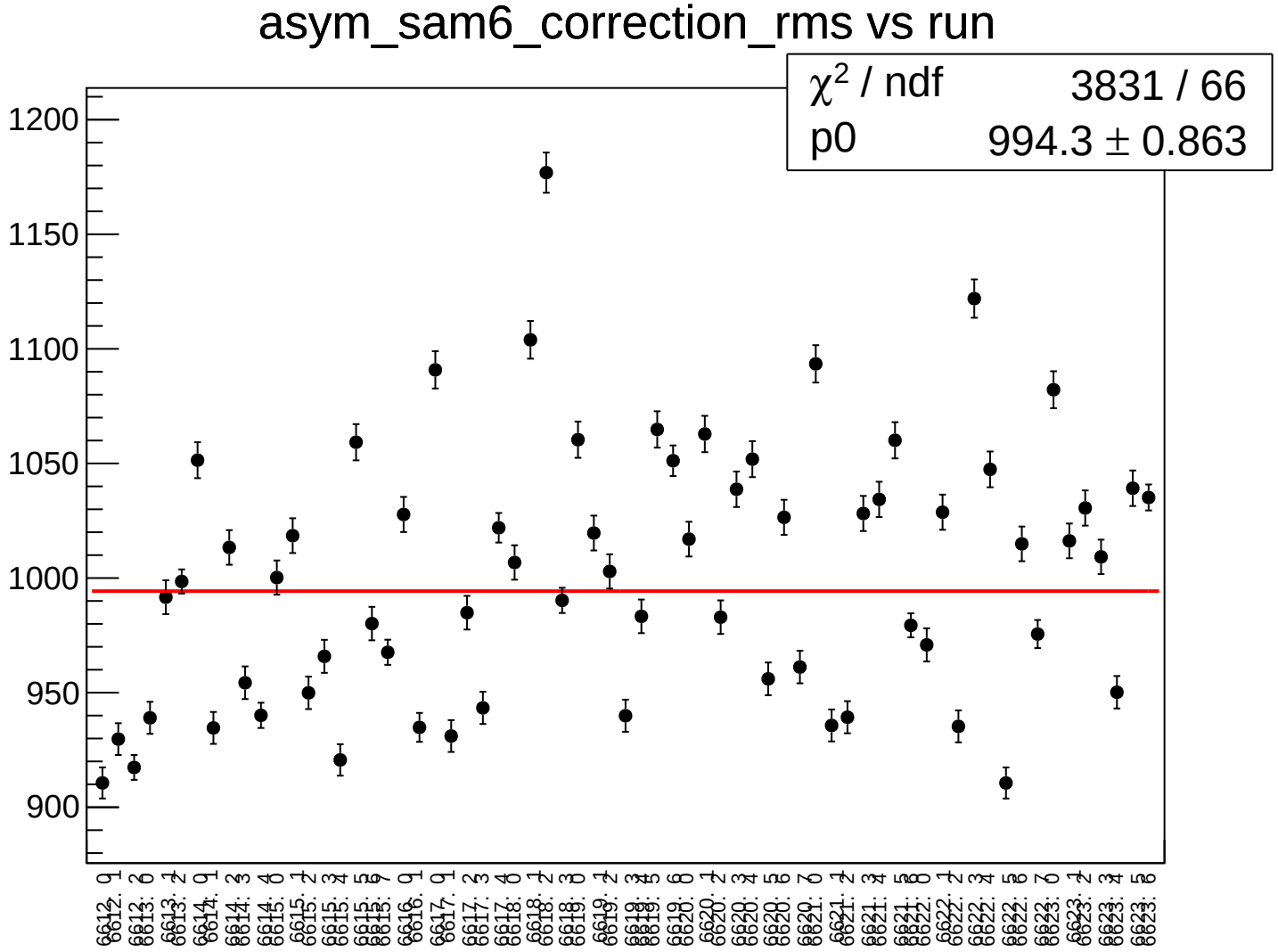

dit_asym_sam6_mean vs run
χ² / ndf 61.09 / 66
p0 222.1 ± 185.9
pull
Entries 67
Mean 154.9
Std Dev 132.2

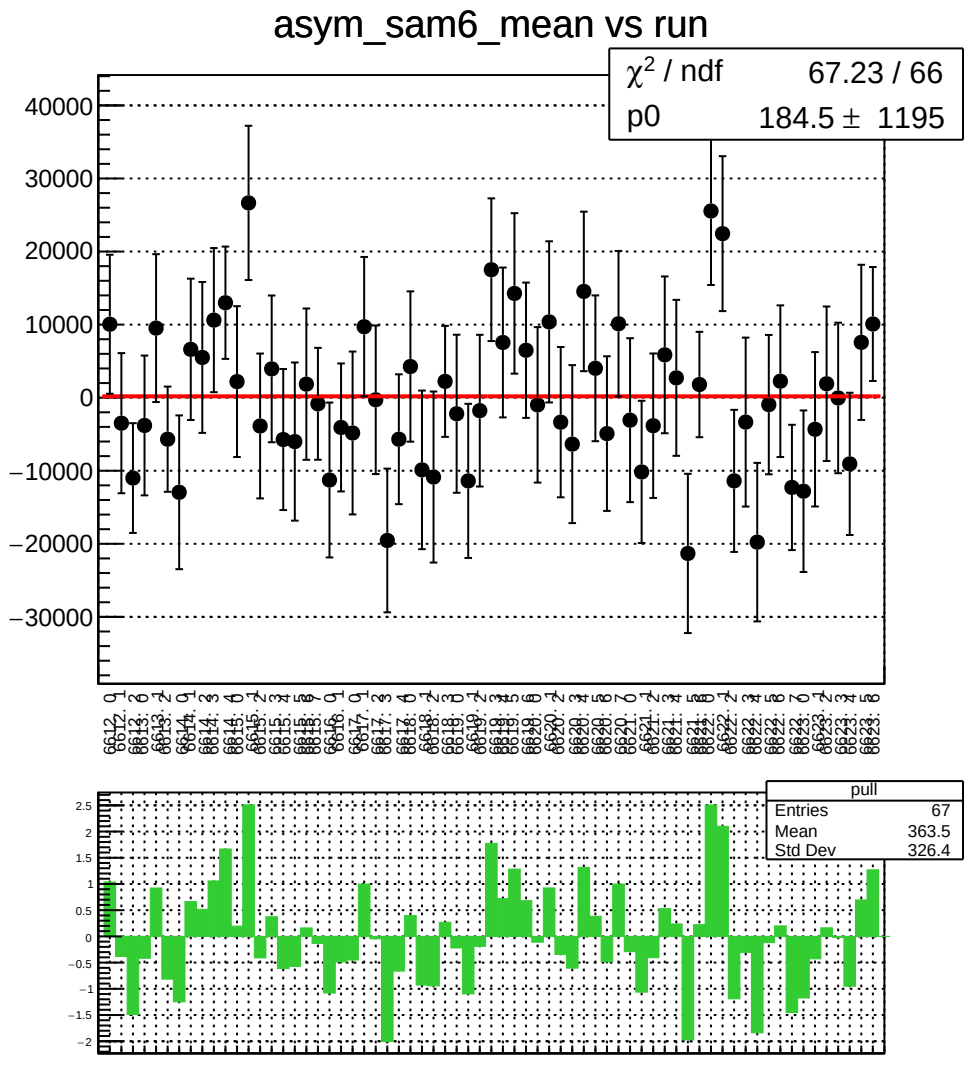

pull1D
Entries 67
Mean 0.003069
Std Dev 0.9549

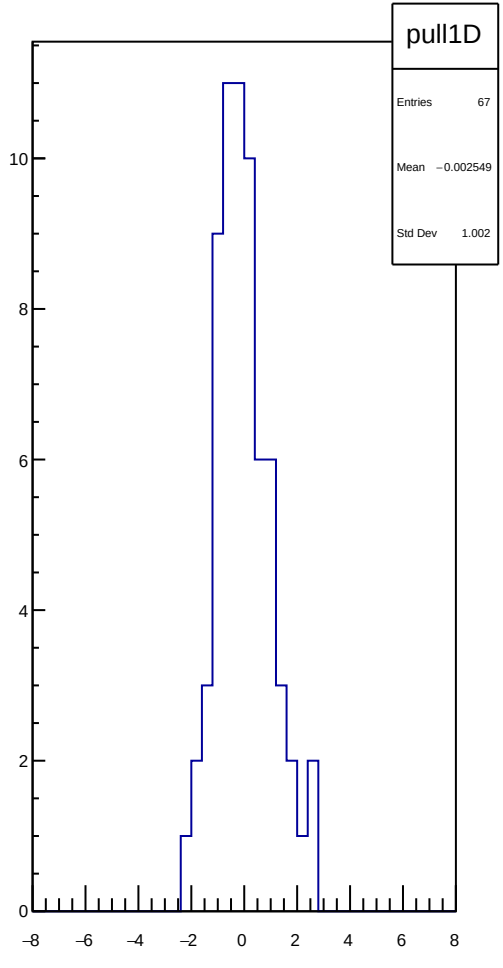
dit_asym_sam6_rms vs run

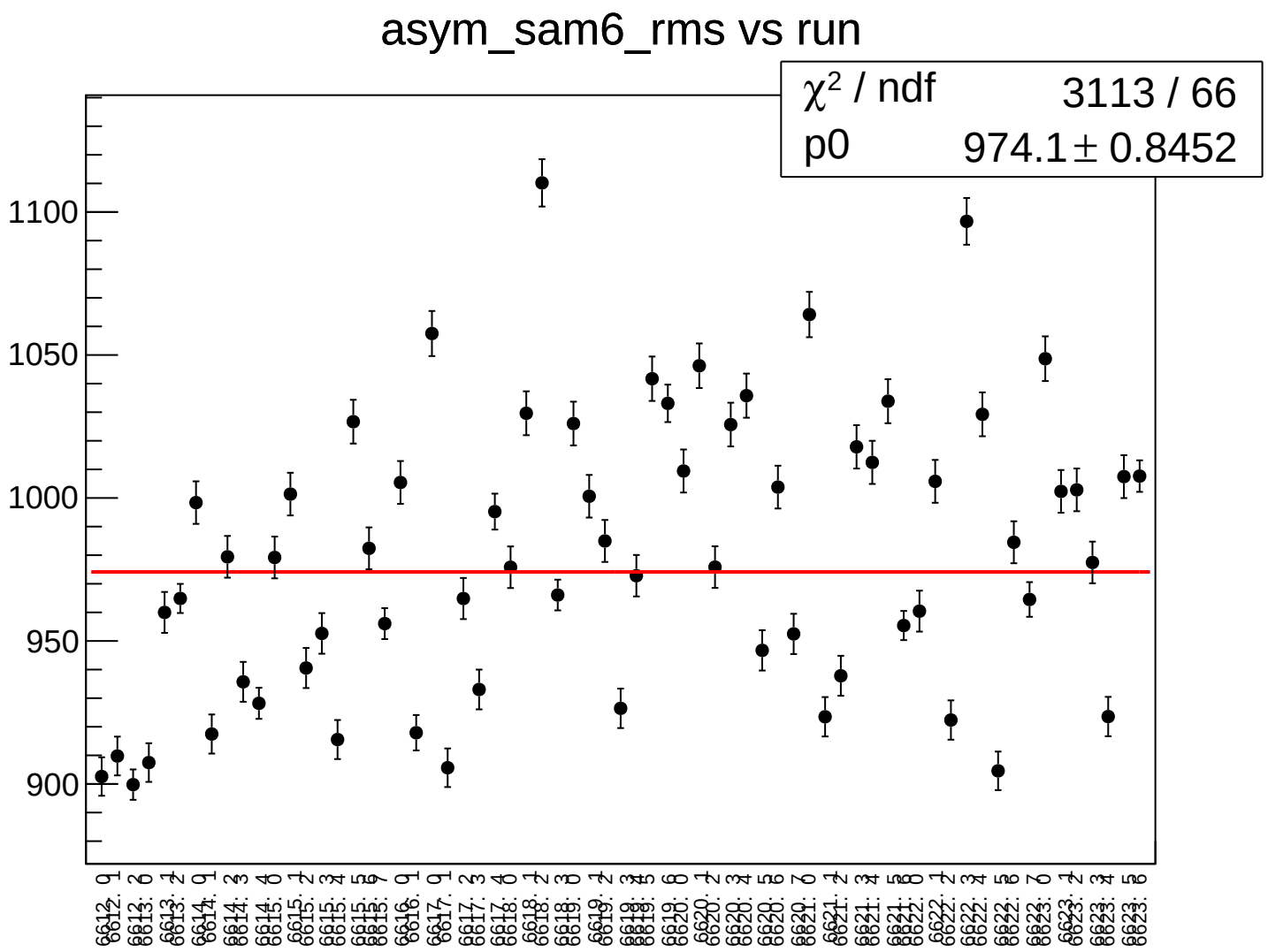


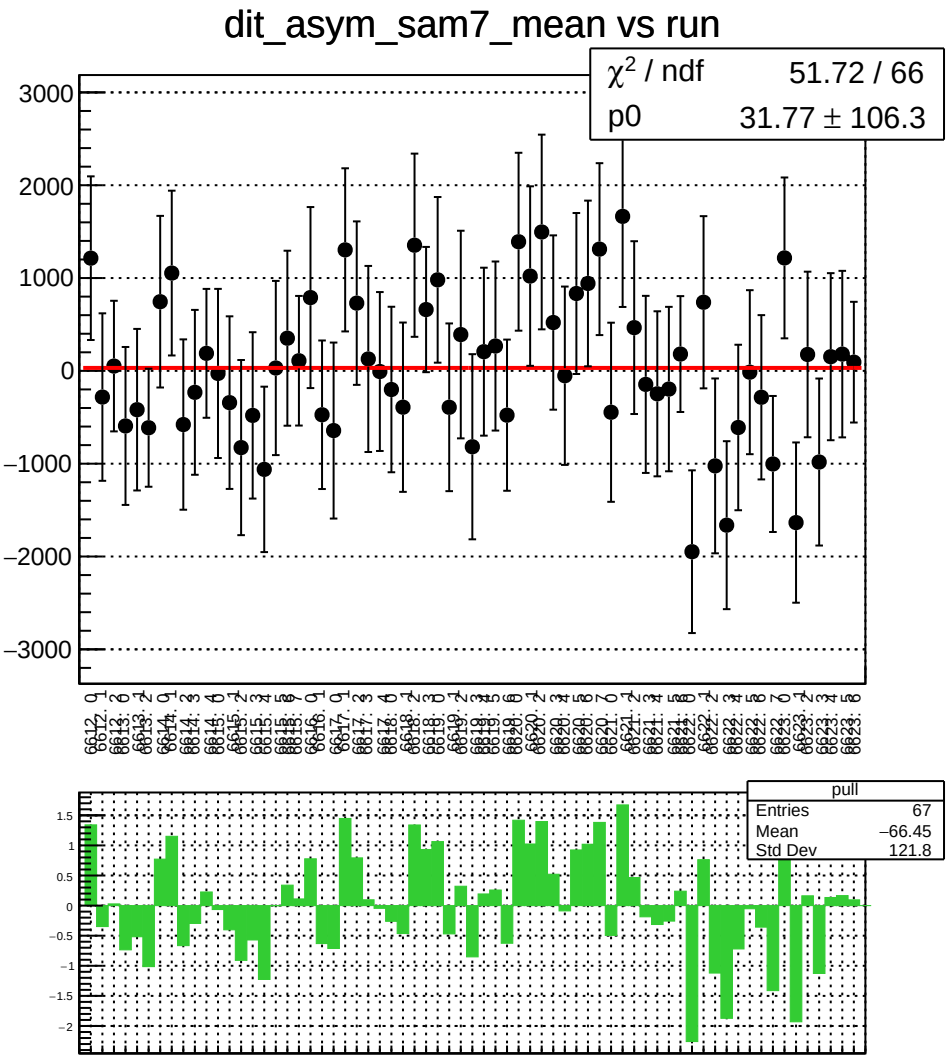

asym_sam6_correction_mean vs run
χ² / ndf 66.39 / 66
p0 −7.835 ± 1220
pull
Entries 67
Mean 218.4
Std Dev 181.7
pull1D
Entries 67
Mean 0.004969
Std Dev 0.9955

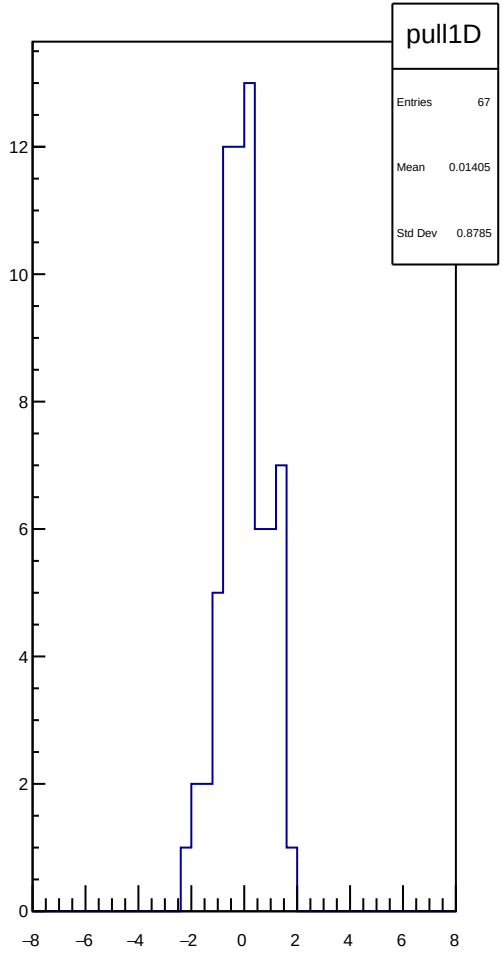

asym_sam6_correction_rms vs run
χ² / ndf 3831 / 66
p0 994.3 ± 0.863
1200
1150
1100
1050
1000
950
900

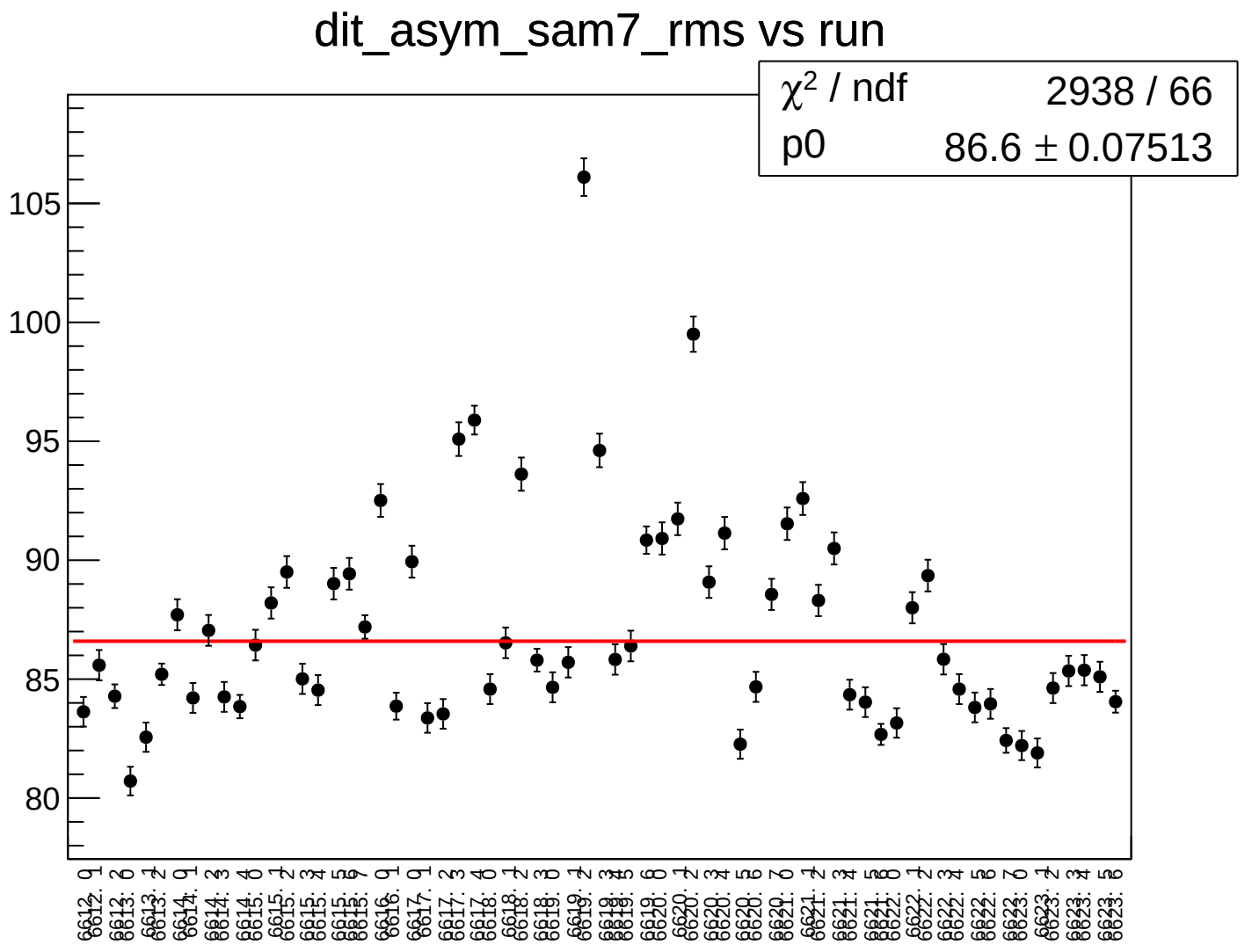

asym_sam6_mean vs run
χ² / ndf 67.23 / 66
p0 184.5 ± 1195
pull
Entries 67
Mean 363.5
Std Dev 326.4

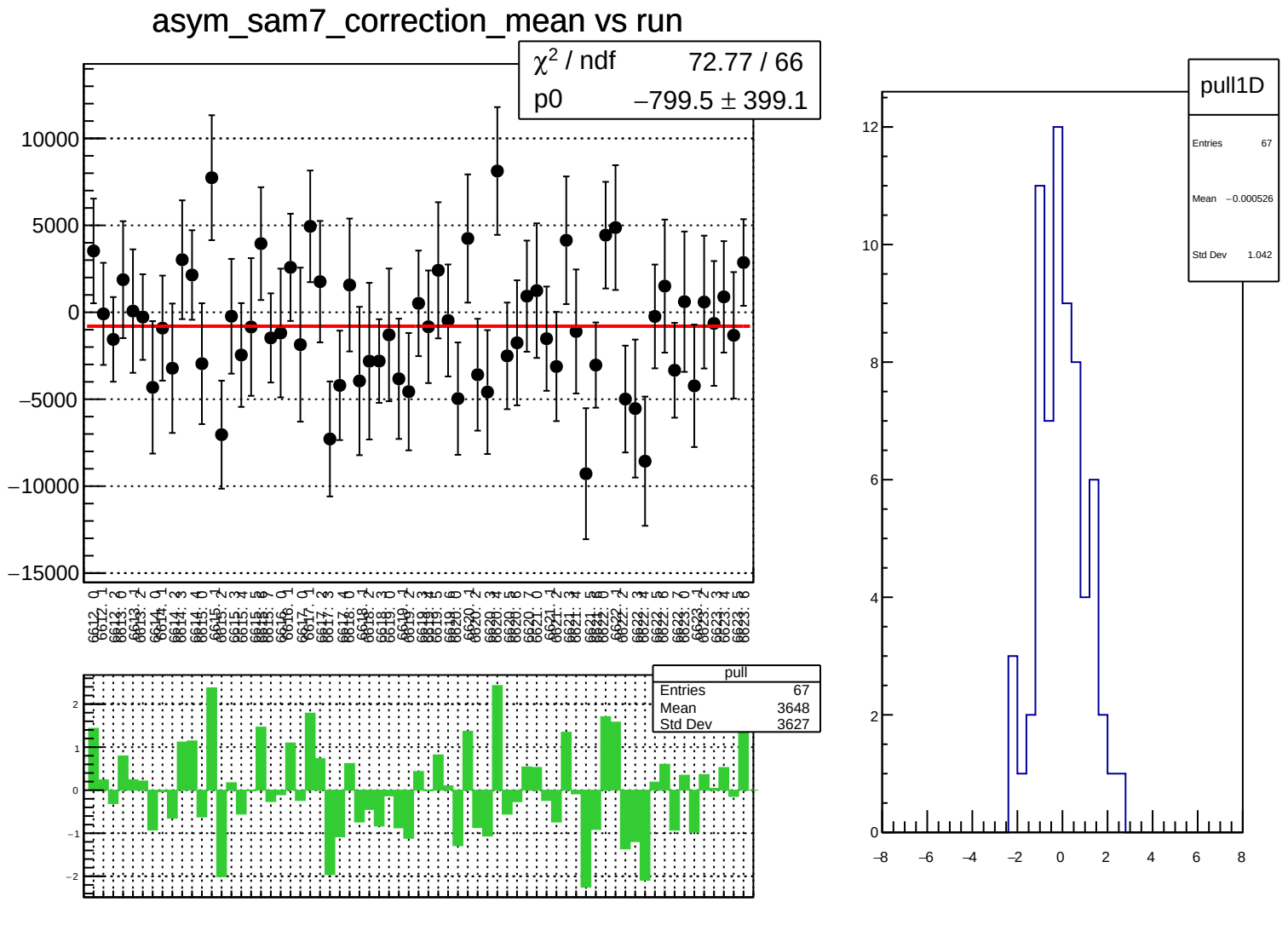

pull1D
Entries 67
Mean −0.002549
Std Dev 1.002

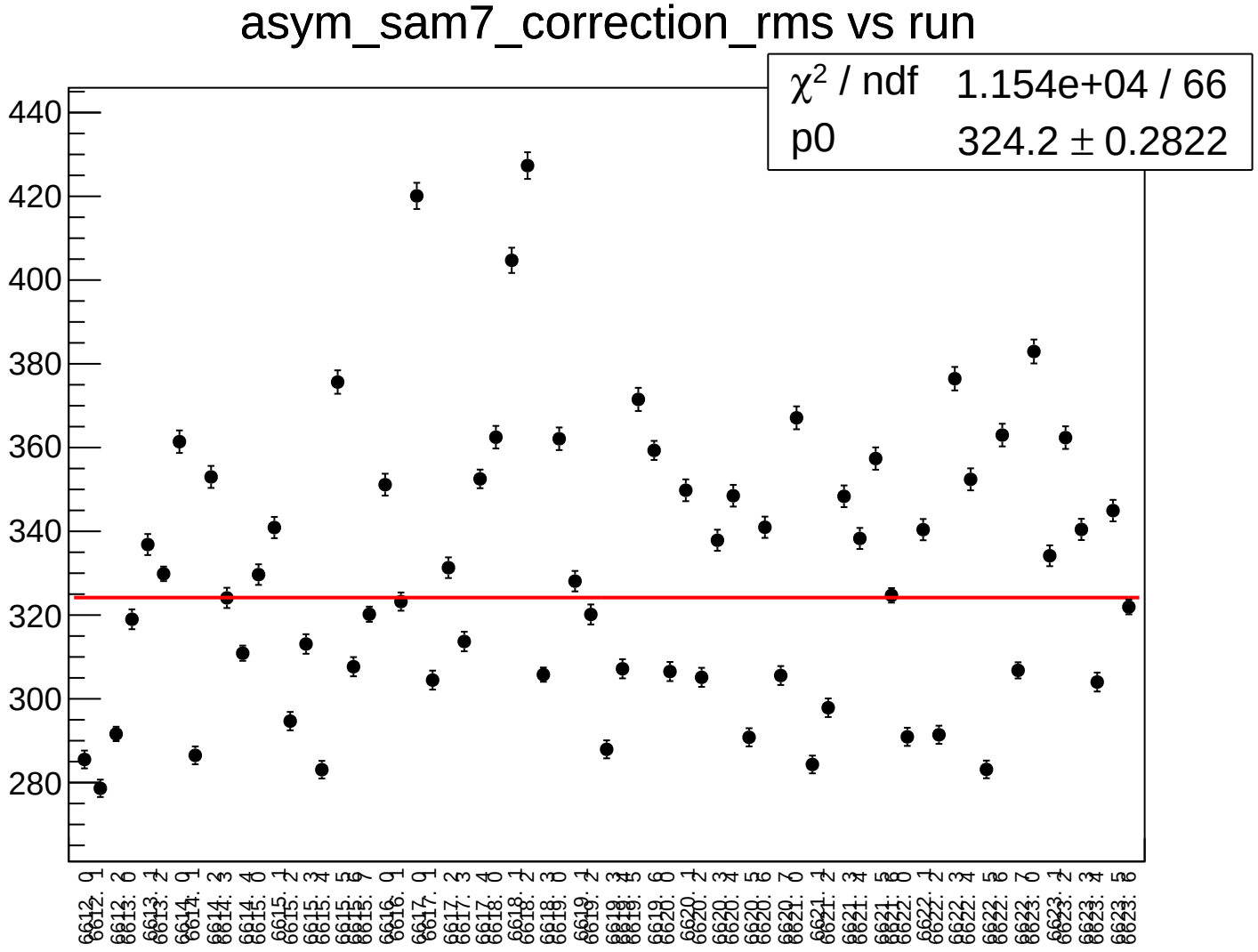

asym_sam6_rms vs run
χ² / ndf 3113 / 66
p0 974.1 ± 0.8452
1100
1050
1000
950
900

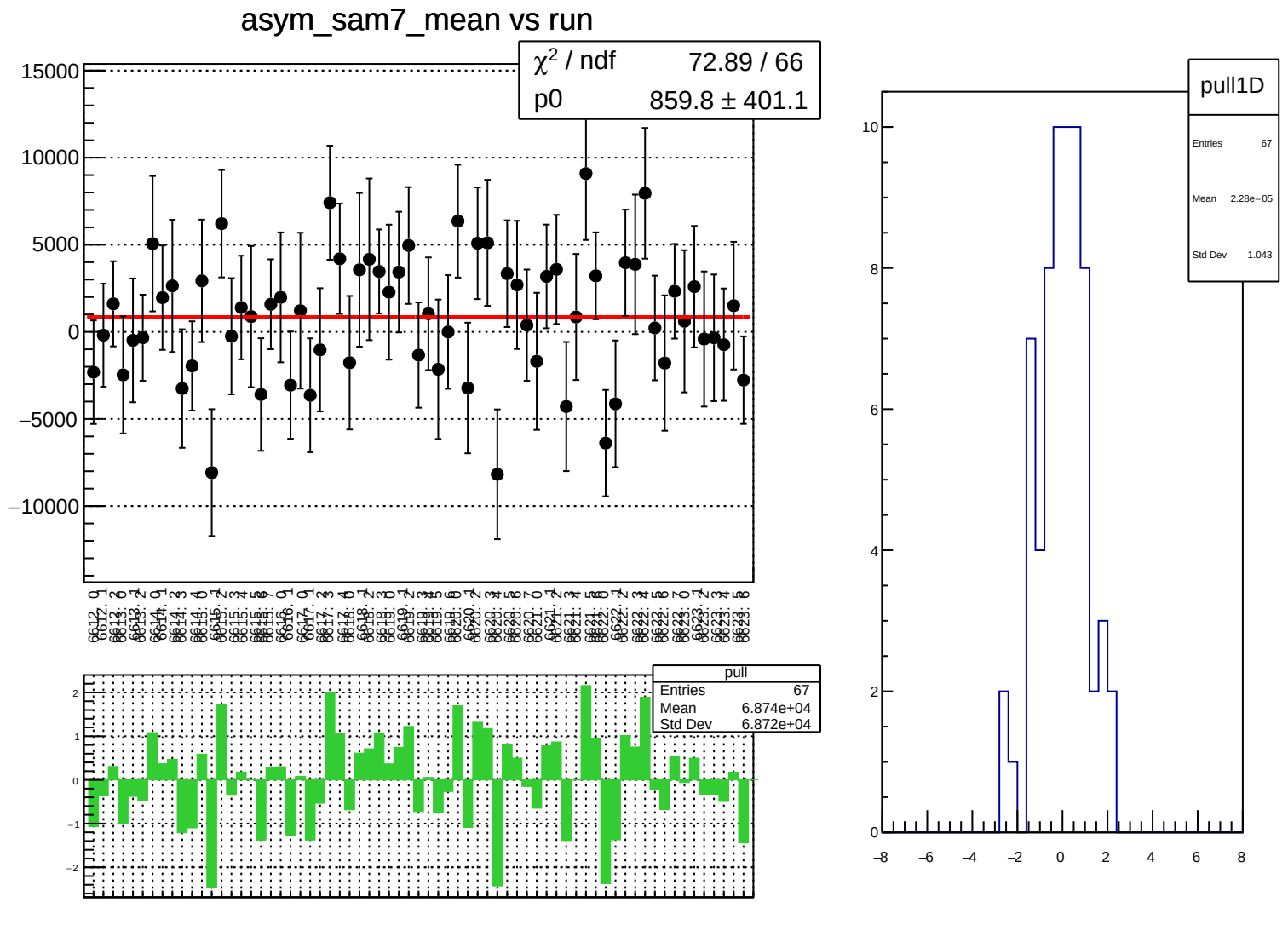

dit_asym_sam7_mean vs run
χ² / ndf 51.72 / 66
p0 31.77 ± 106.3
pull
Entries 67
Mean −66.45
Std Dev 121.8

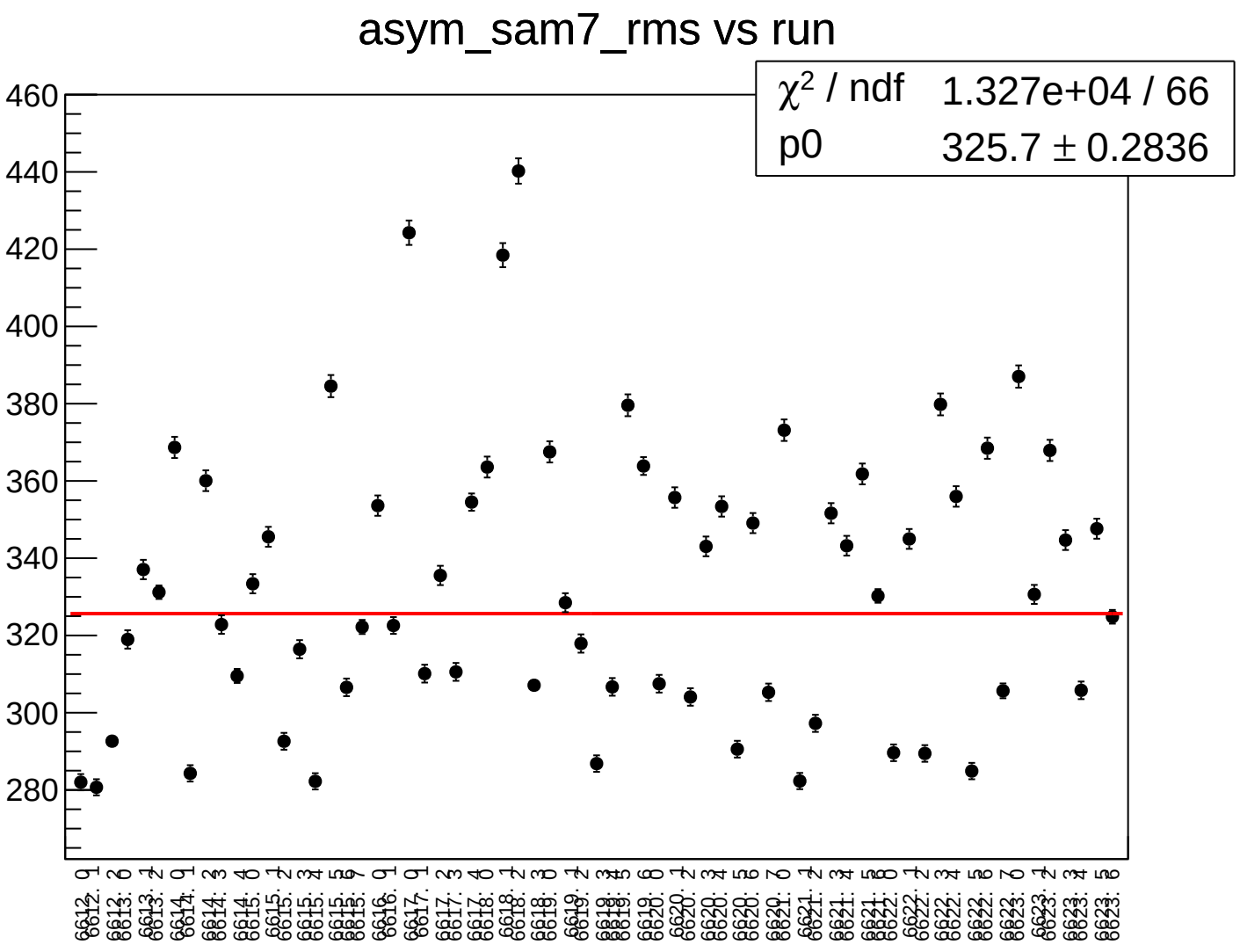

pull1D
Entries 67
Mean 0.01405
Std Dev 0.8785

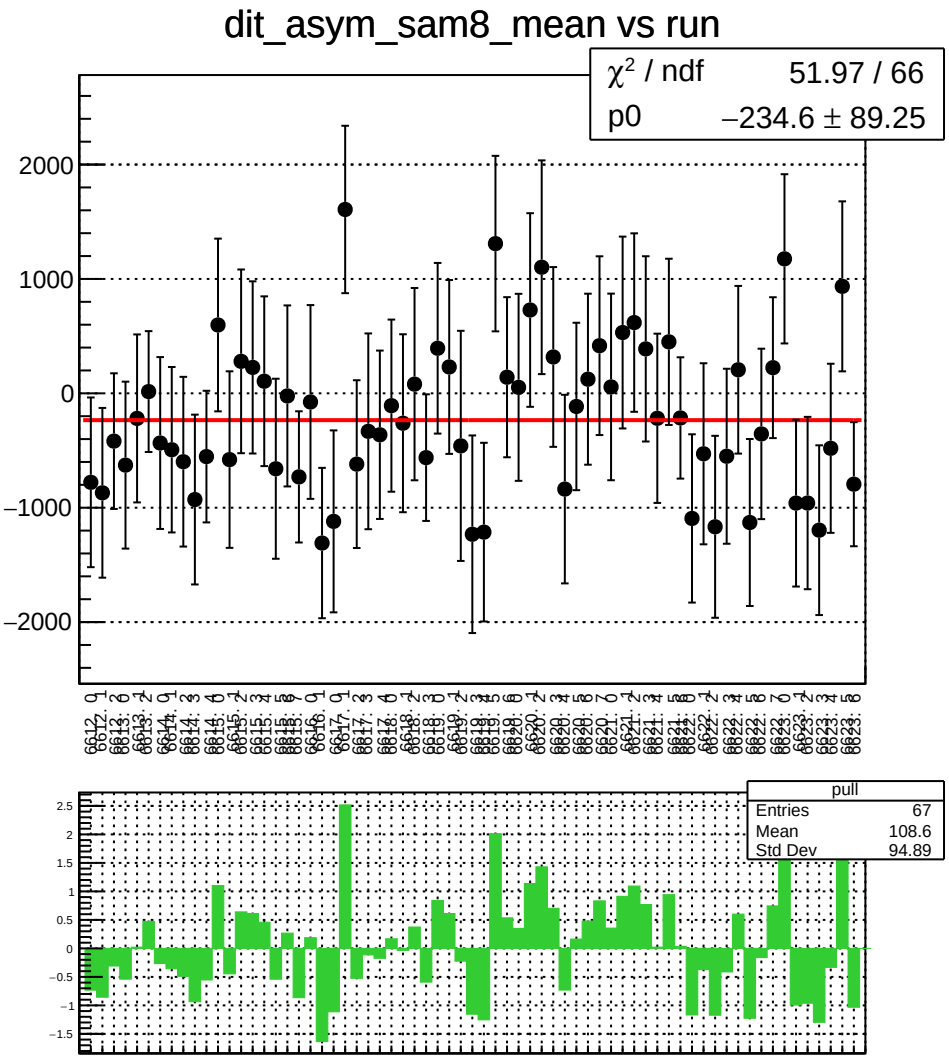

dit_asym_sam7_rms vs run
χ2 / ndf 2938 / 66
p0 86.6 ± 0.07513
105
100
95
90
85
80

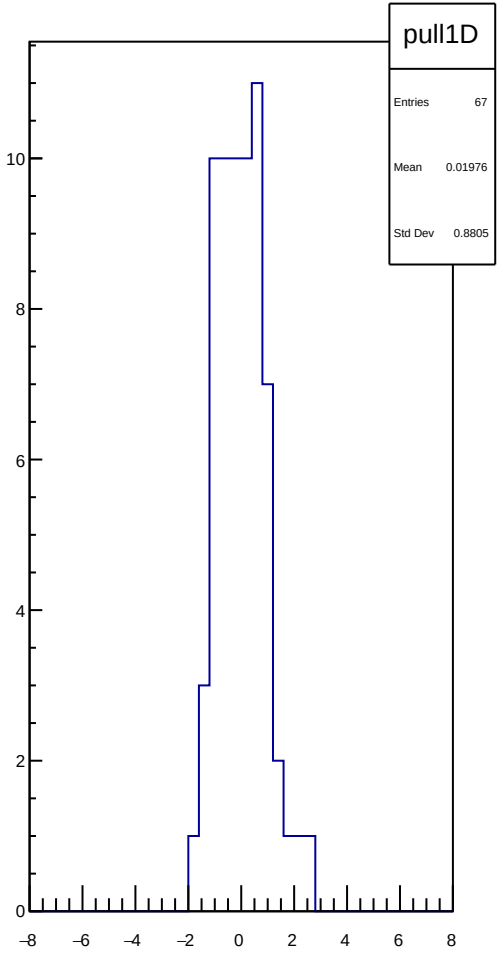

asym_sam7_correction_mean vs run
χ² / ndf 72.77 / 66
p0 −799.5 ± 399.1
pull
Entries 67
Mean 3648
Std Dev 3627
pull1D
Entries 67
Mean −0.000526
Std Dev 1.042


asym_sam7_correction_rms vs run
χ^2 / ndf 1.154e+04 / 66
p0 324.2 ± 0.2822
440
420
400
380
360
340
320
300
280

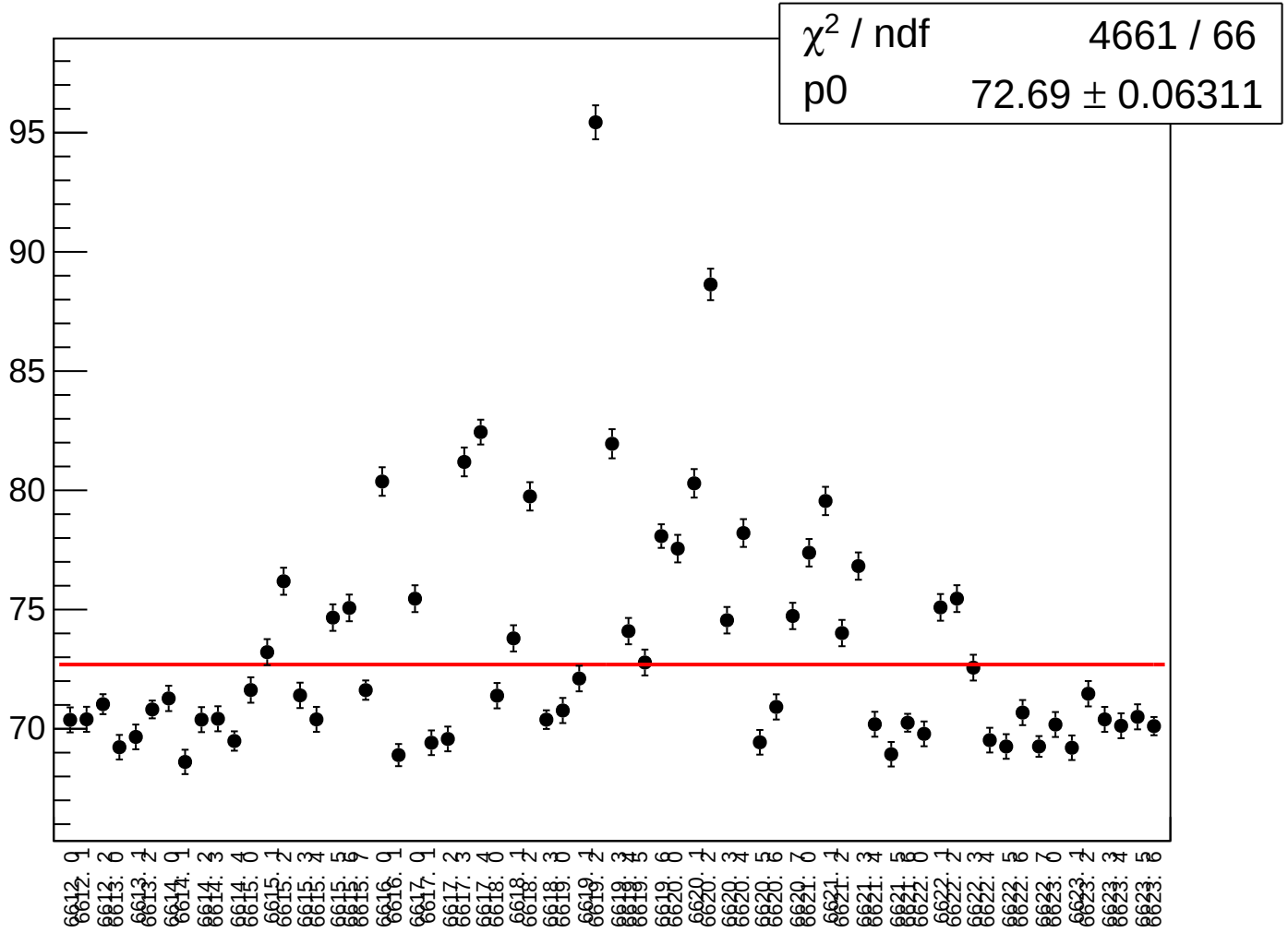

asym_sam7_mean vs run
χ² / ndf 72.89 / 66
p0 859.8 ± 401.1
15000
10000
5000
0
−5000
−10000
pull
Entries 67
Mean 6.874e+04
Std Dev 6.872e+04
pull1D
Entries 67
Mean 2.28e−05
Std Dev 1.043

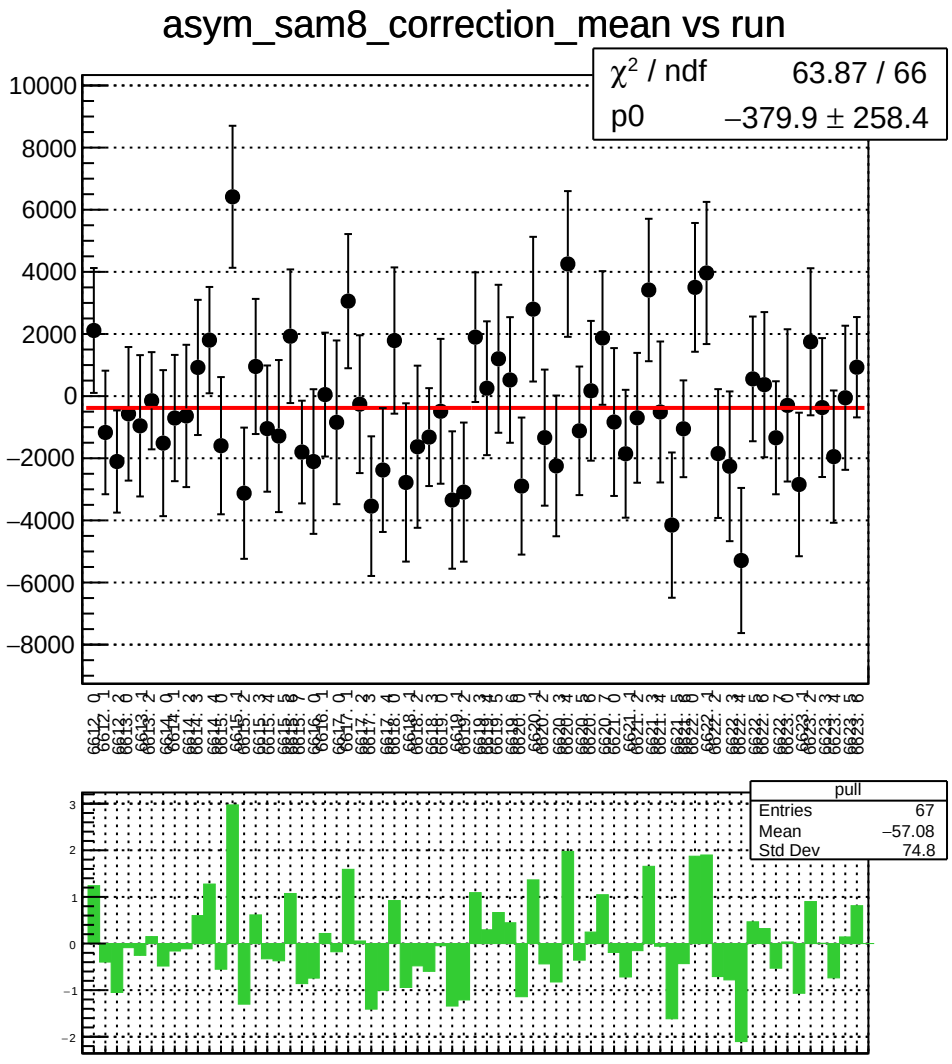

asym_sam7_rms vs run
χ^2 / ndf 1.327e+04 / 66
p0 325.7 ± 0.2836
460
440
420
400
380
360
340
320
300
280

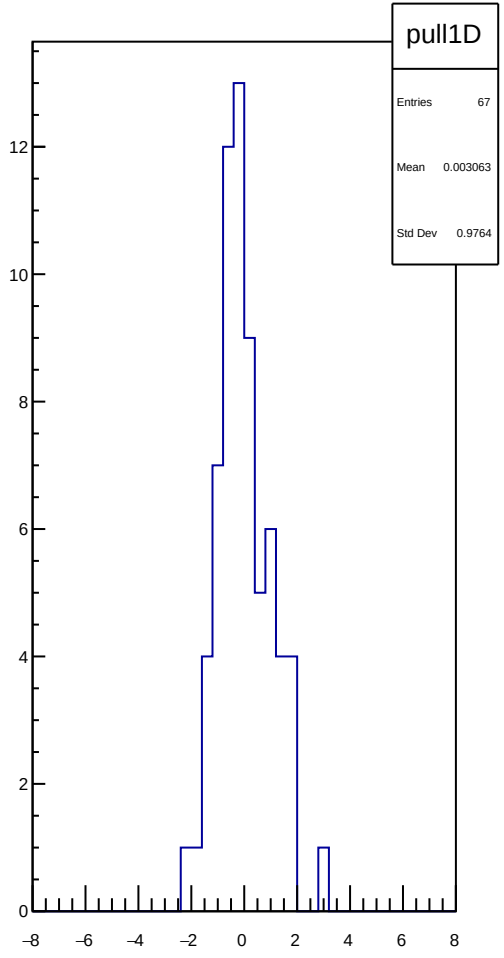

dit_asym_sam8_mean vs run
χ² / ndf 51.97 / 66
p0 −234.6 ± 89.25
pull
Entries 67
Mean 108.6
Std Dev 94.89


pull1D
Entries 67
Mean 0.01976
Std Dev 0.8805

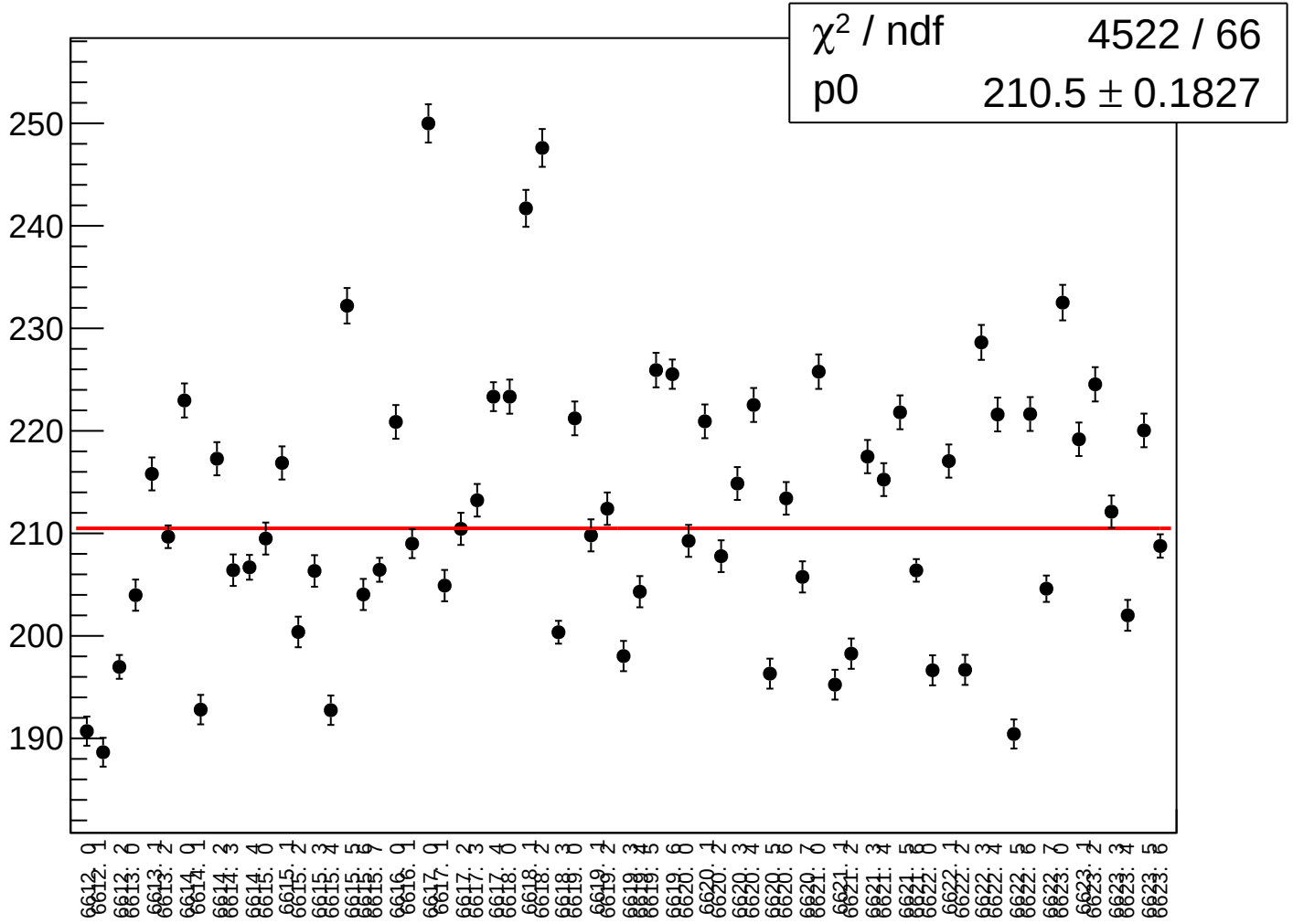
dit_asym_sam8_rms vs run

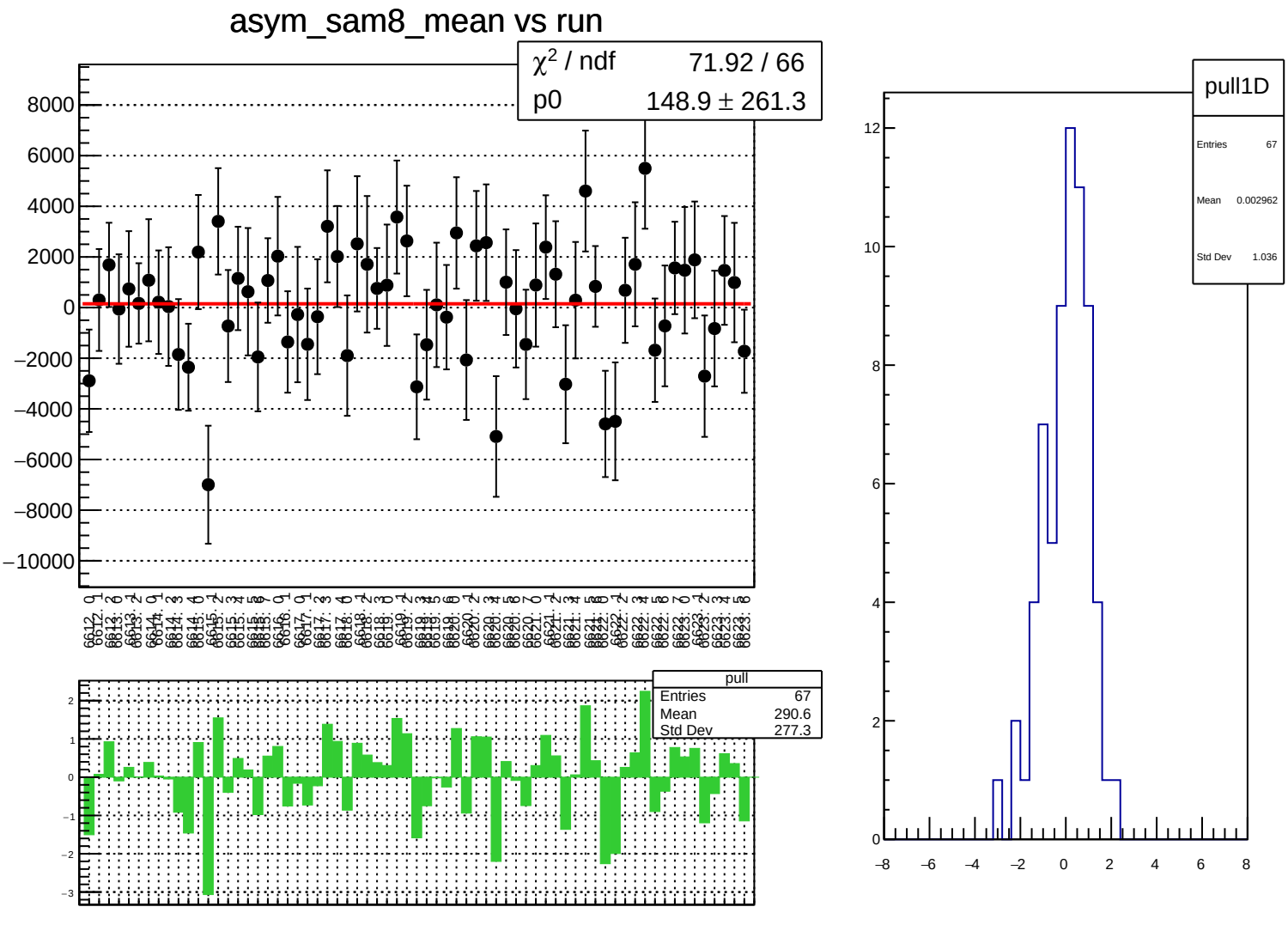


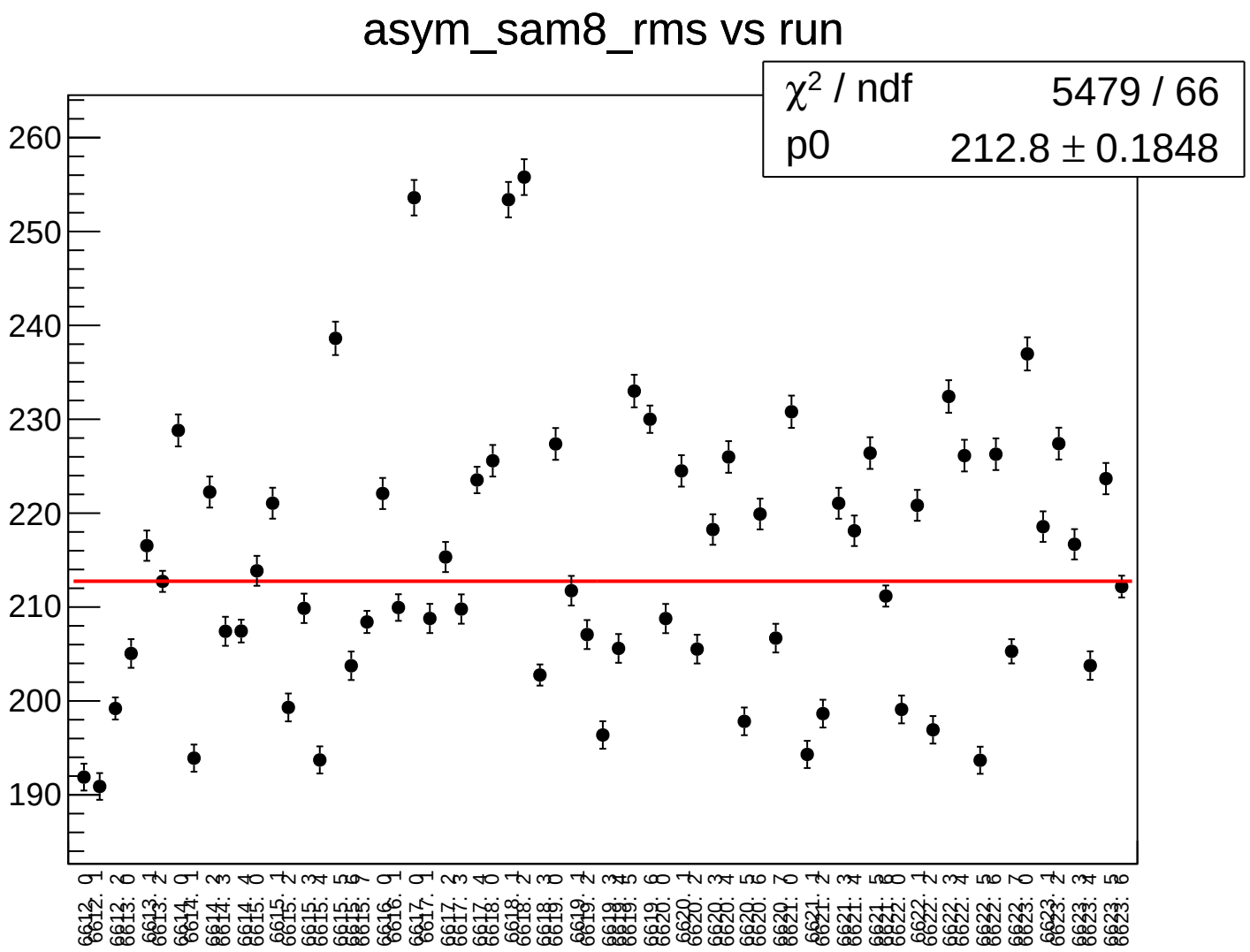

asym_sam8_correction_mean vs run
χ² / ndf 63.87 / 66
p0 −379.9 ± 258.4
pull
Entries 67
Mean −57.08
Std Dev 74.8

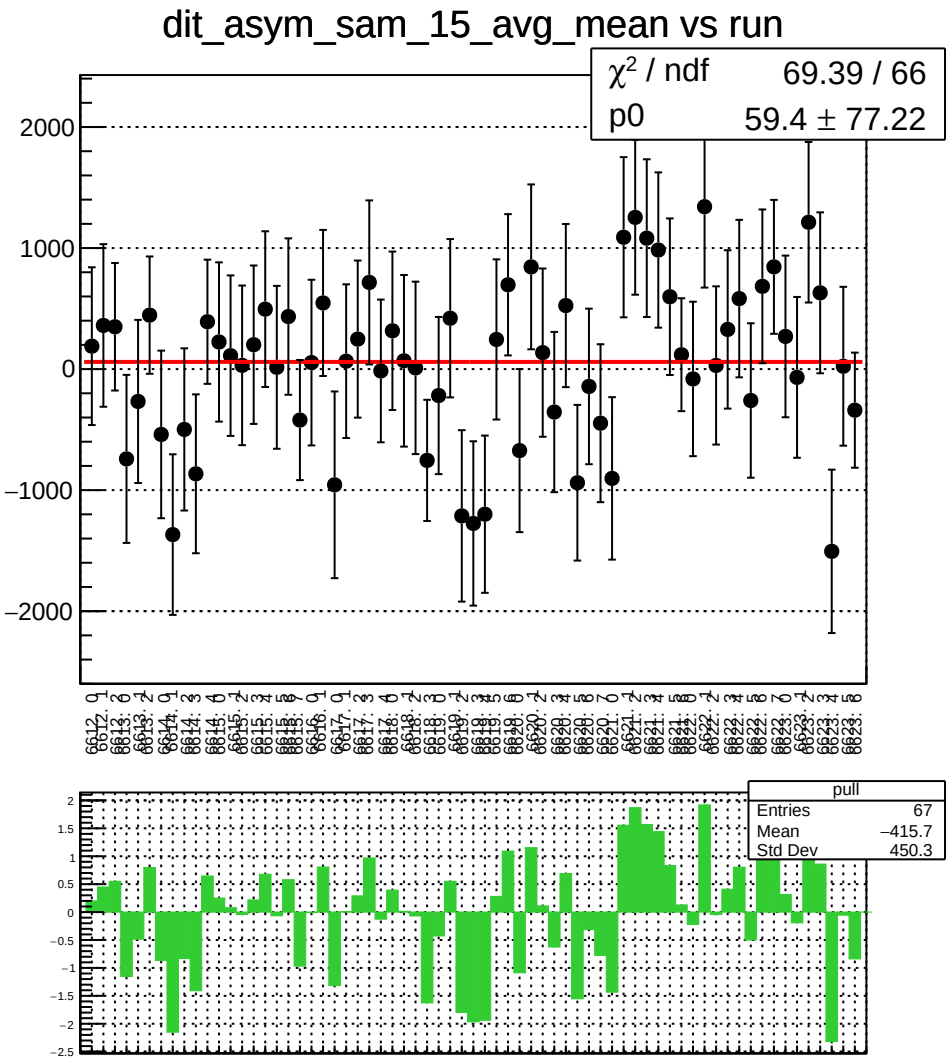

pull1D
Entries 67
Mean 0.003063
Std Dev 0.9764

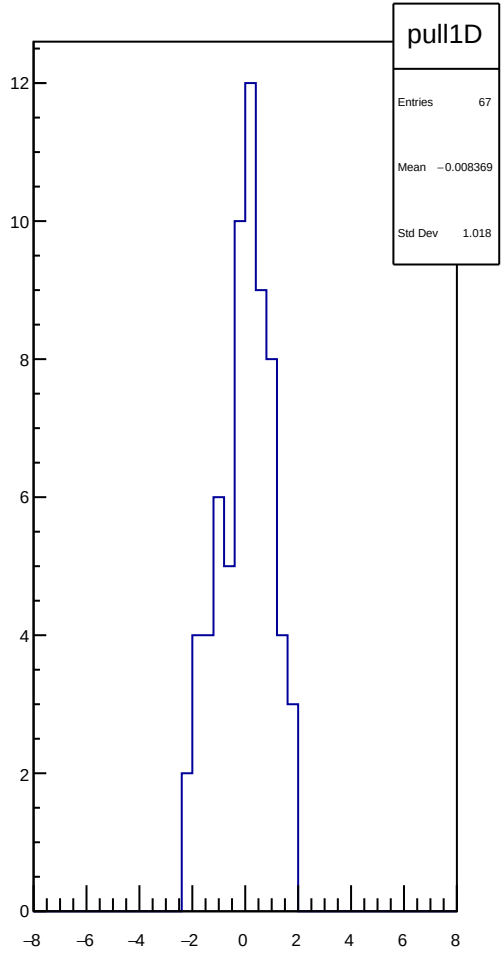
asym_sam8_correction_rms vs run



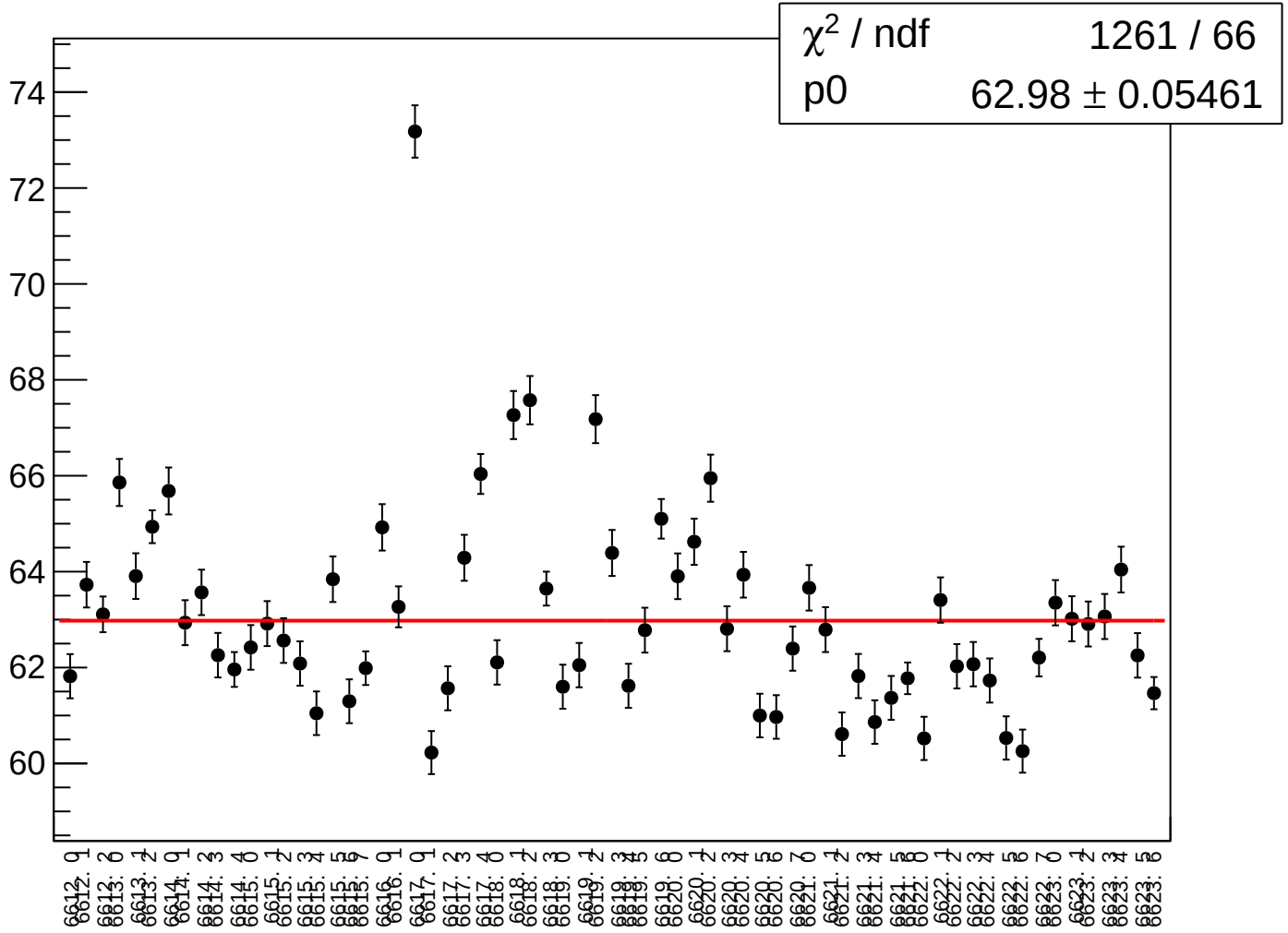

asym_sam8_mean vs run
χ² / ndf 71.92 / 66
p0 148.9 ± 261.3
pull
Entries 67
Mean 290.6
Std Dev 277.3
pull1D
Entries 67
Mean 0.002962
Std Dev 1.036

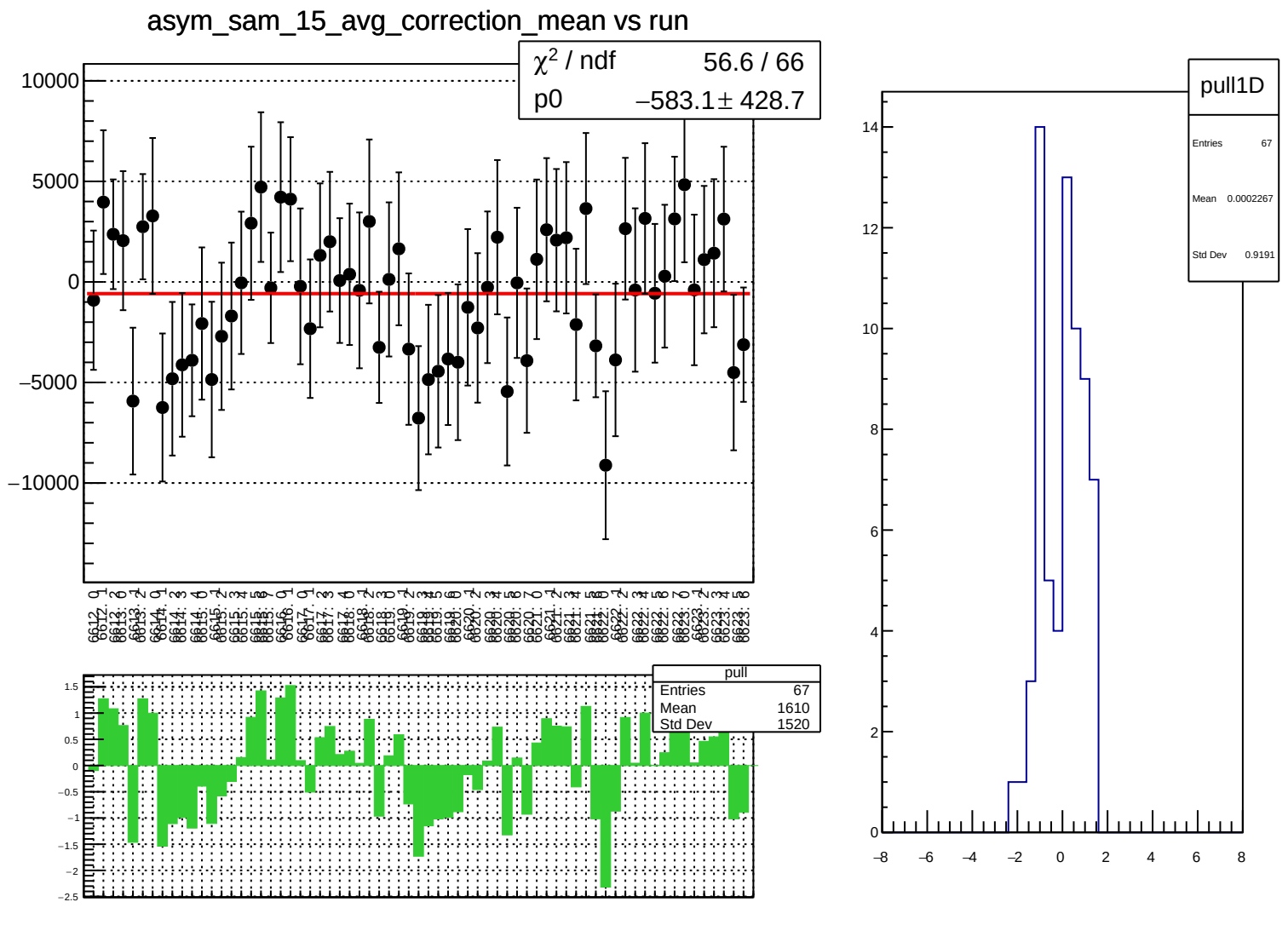

asym_sam8_rms vs run
χ^2 / ndf 5479 / 66
p0 212.8 ± 0.1848
260
250
240
230
220
210
200
190

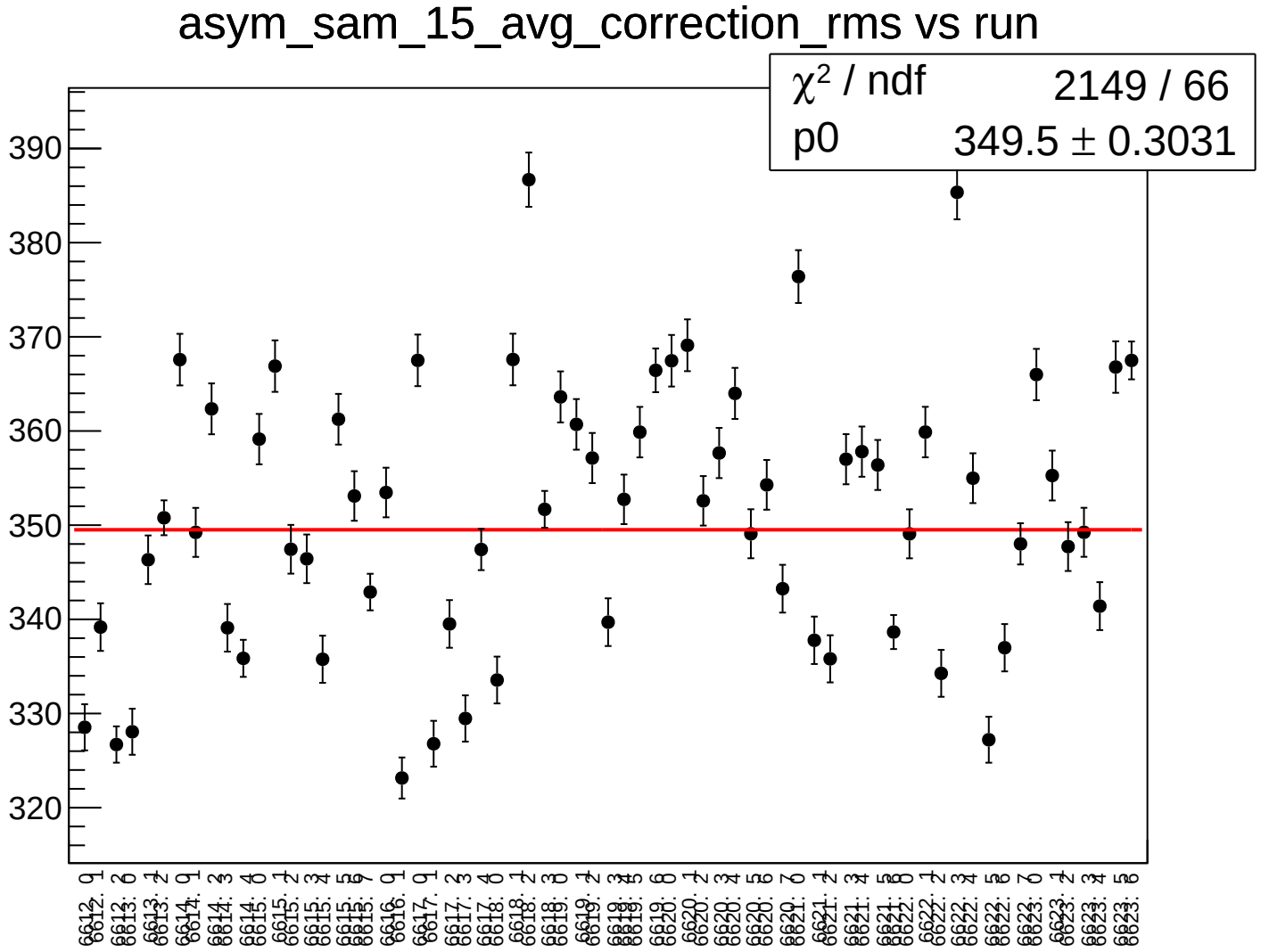

dit_asym_sam_15_avg_mean vs run
χ² / ndf 69.39 / 66
p0 59.4 ± 77.22
2000
1000
0
−1000
−2000
pull
Entries 67
Mean −415.7
Std Dev 450.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

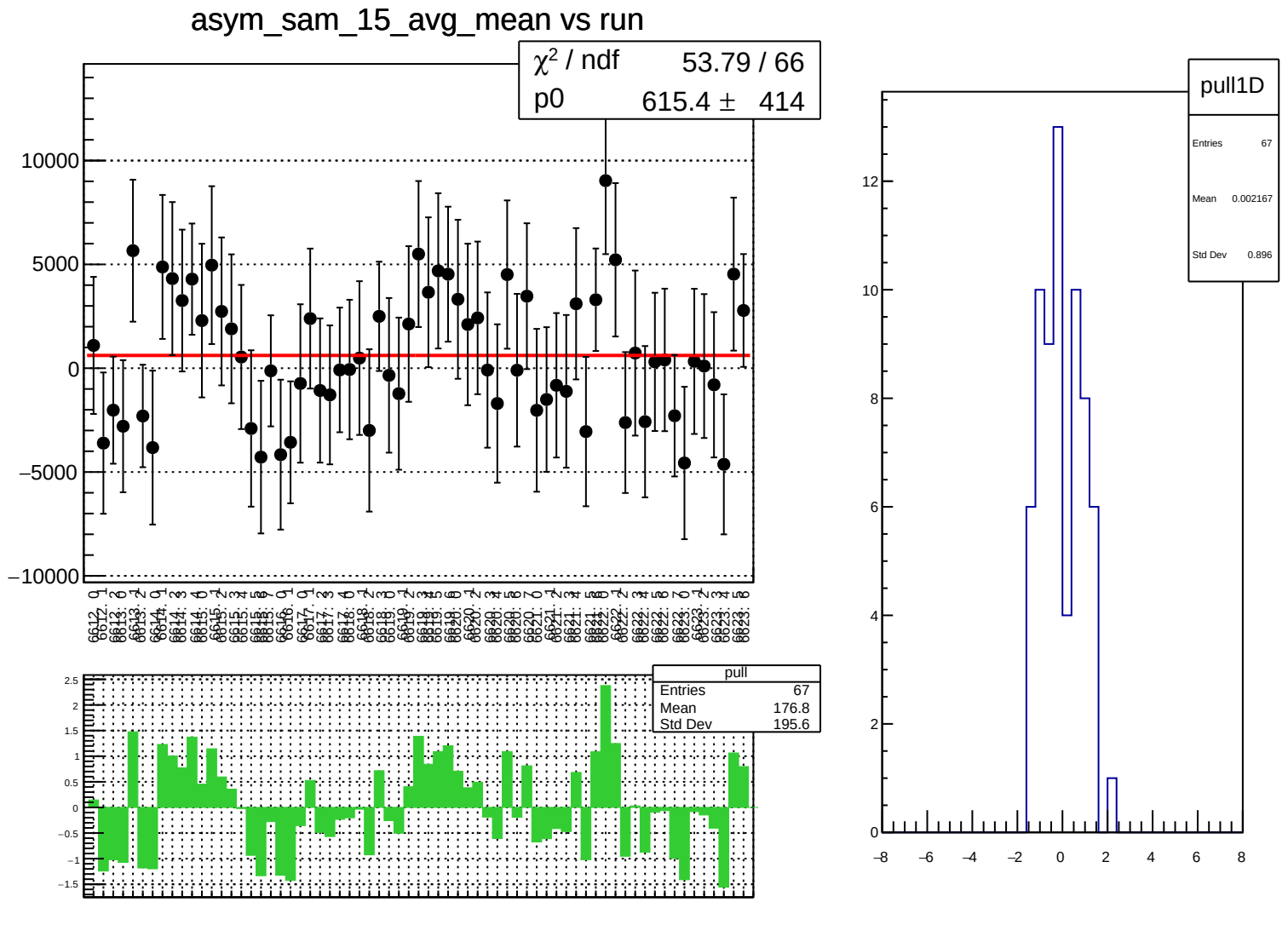

pull1D
Entries 67
Mean −0.008369
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

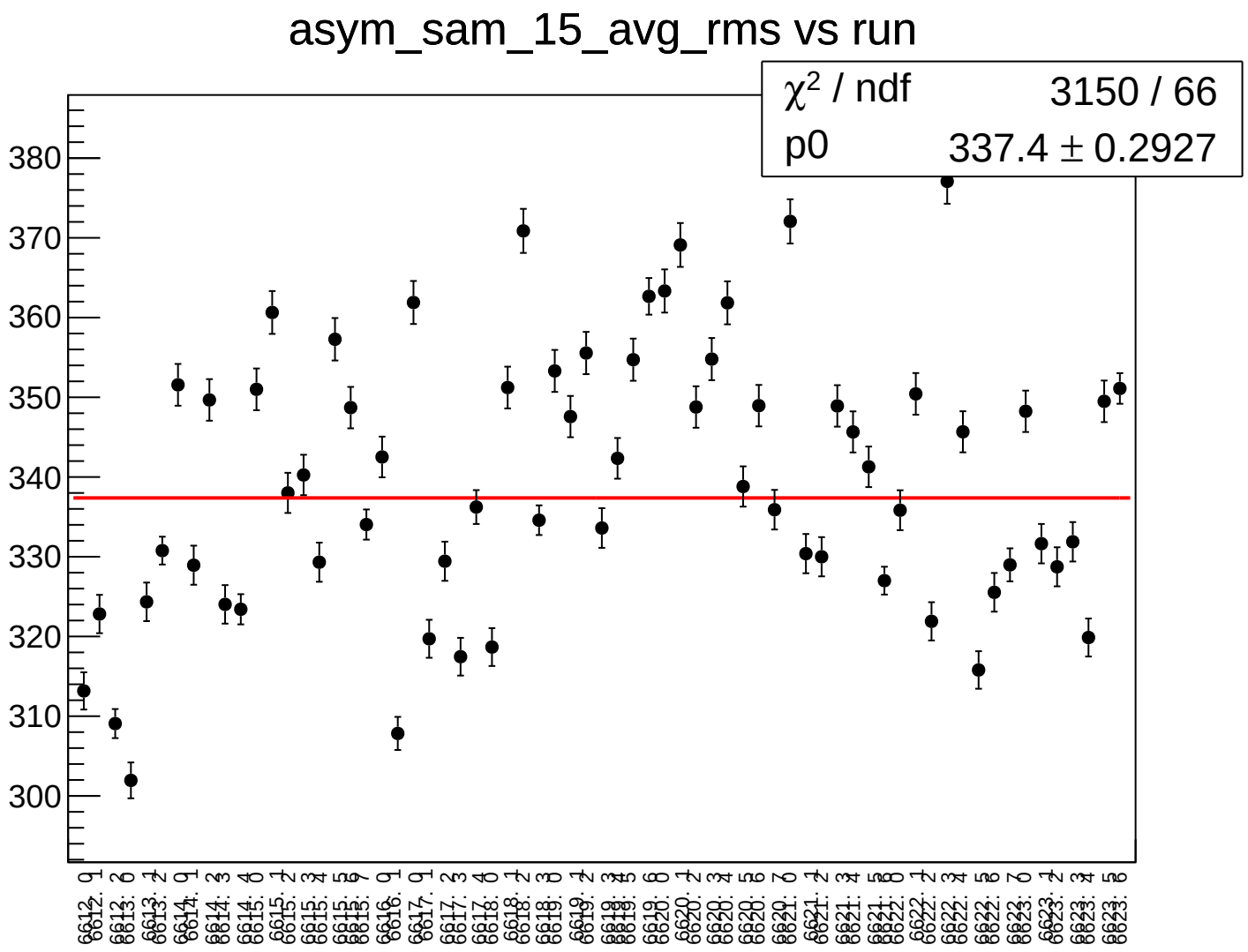
dit_asym_sam_15_avg_rms vs run

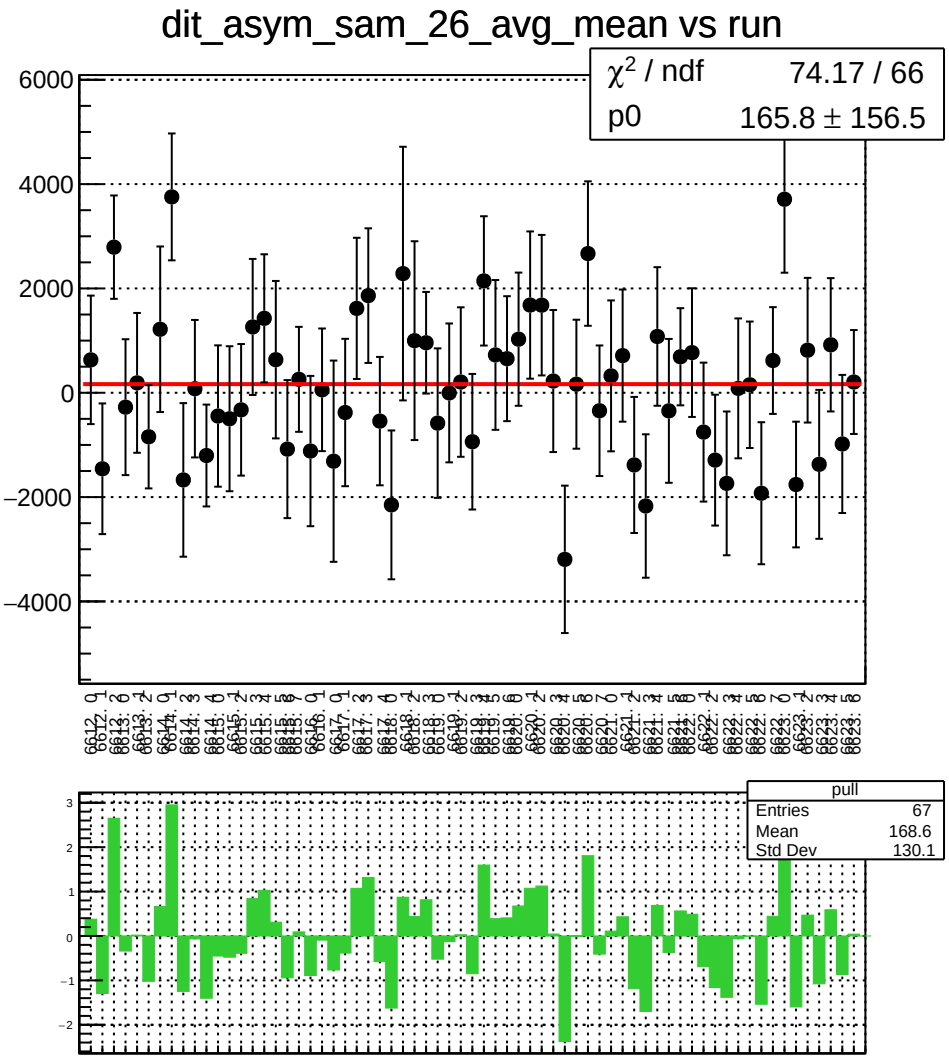


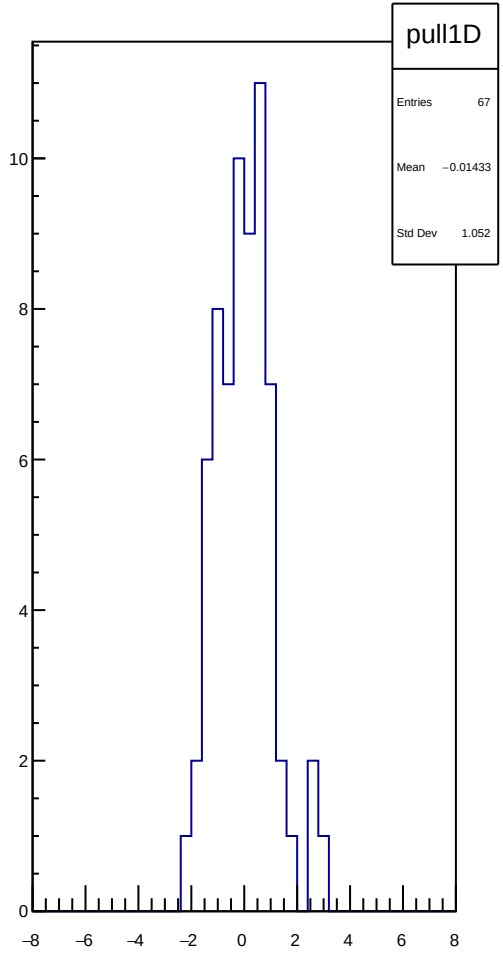

asym_sam_15_avg_correction_mean vs run
χ² / ndf 56.6 / 66
p0 −583.1 ± 428.7
pull
Entries 67
Mean 1610
Std Dev 1520
pull1D
Entries 67
Mean 0.0002267
Std Dev 0.9191


asym_sam_15_avg_correction_rms vs run
χ² / ndf 2149 / 66
p0 349.5 ± 0.3031
390
380
370
360
350
340
330
320

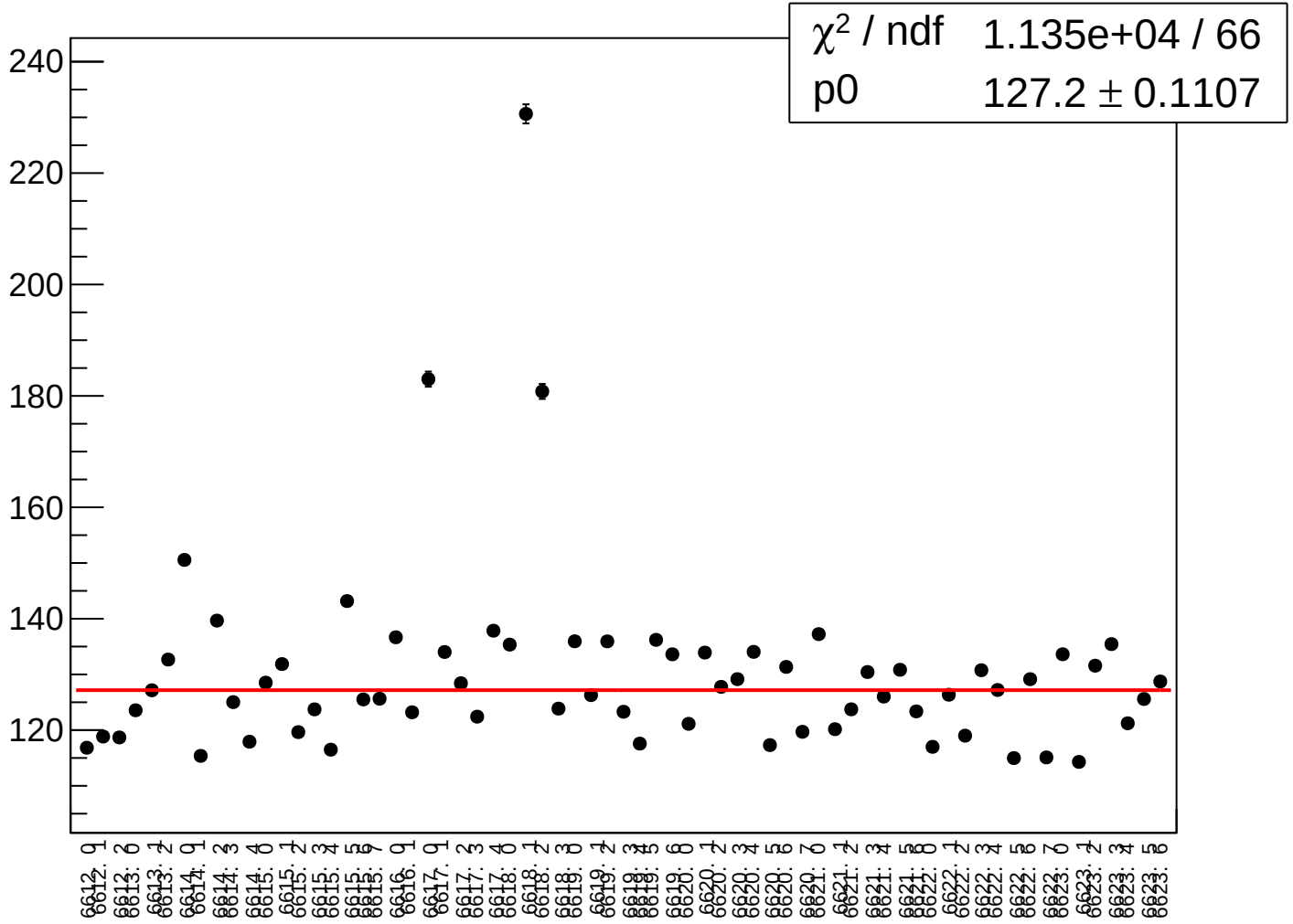

asym_sam_15_avg_mean vs run
χ² / ndf 53.79 / 66
p0 615.4 ± 414
pull
Entries 67
Mean 176.8
Std Dev 195.6
pull1D
Entries 67
Mean 0.002167
Std Dev 0.896

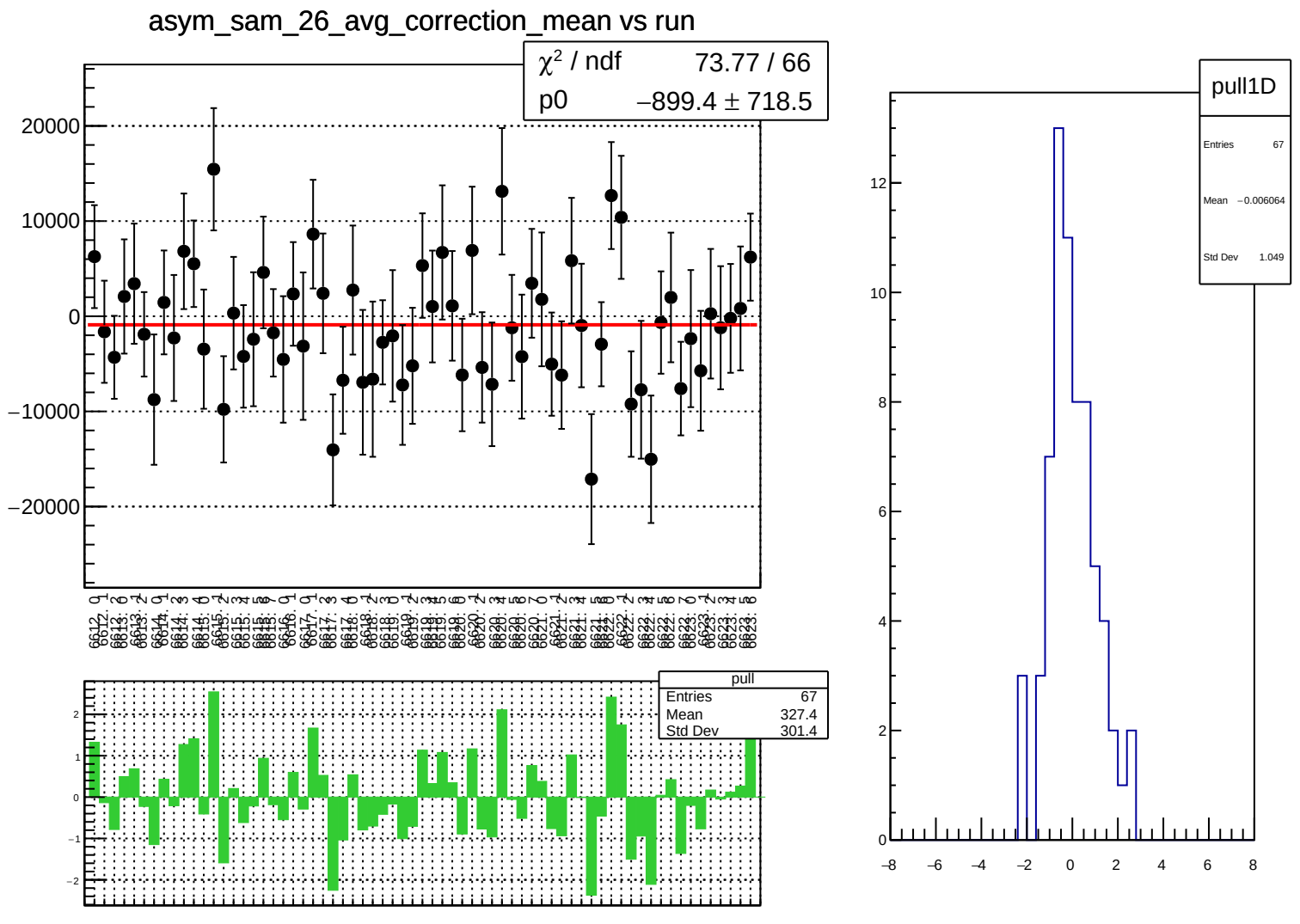

asym_sam_15_avg_rms vs run
χ² / ndf 3150 / 66
p0 337.4 ± 0.2927
380
370
360
350
340
330
320
310
300

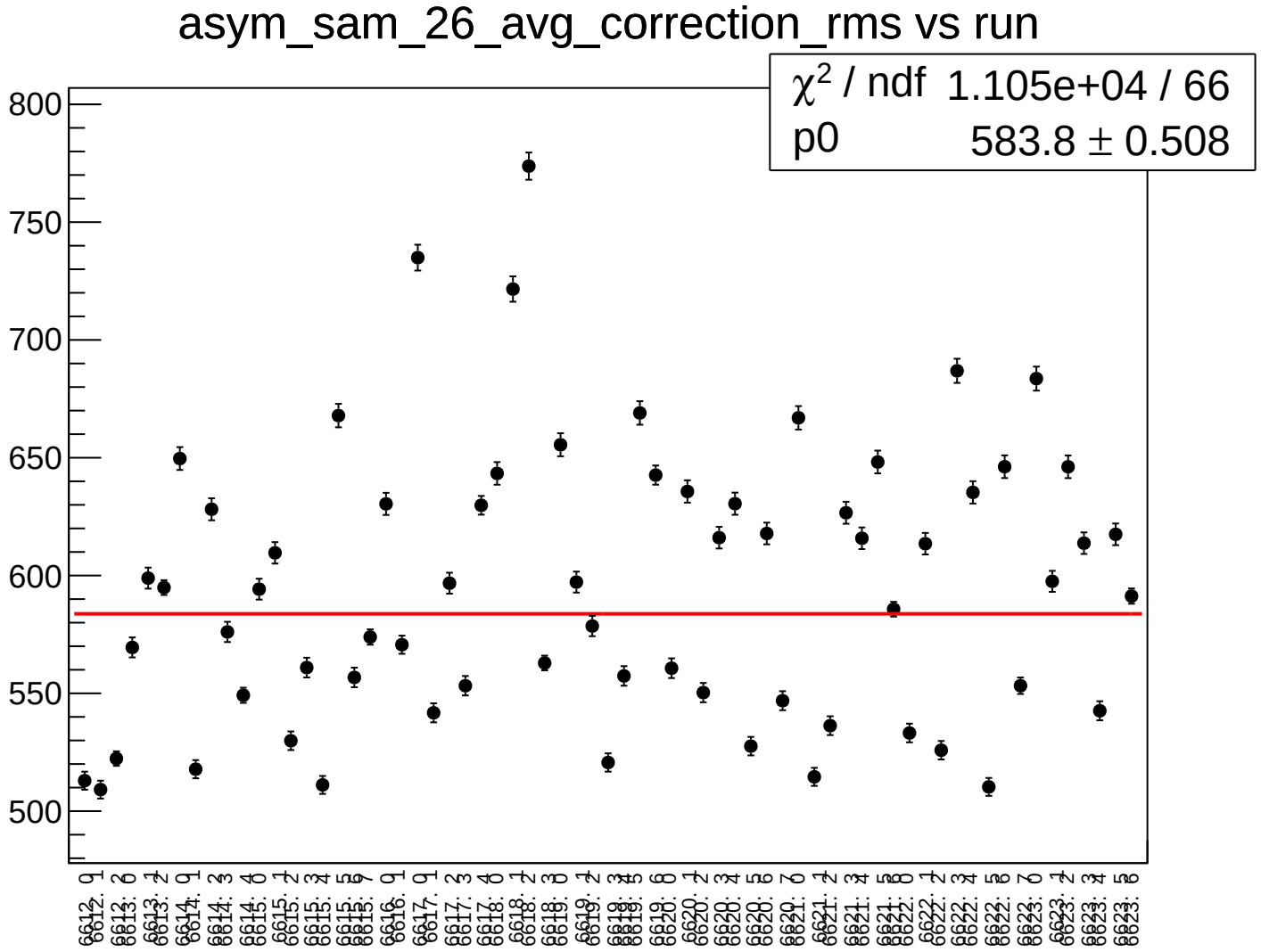

dit_asym_sam_26_avg_mean vs run
χ² / ndf 74.17 / 66
p0 165.8 ± 156.5
pull
Entries 67
Mean 168.6
Std Dev 130.1

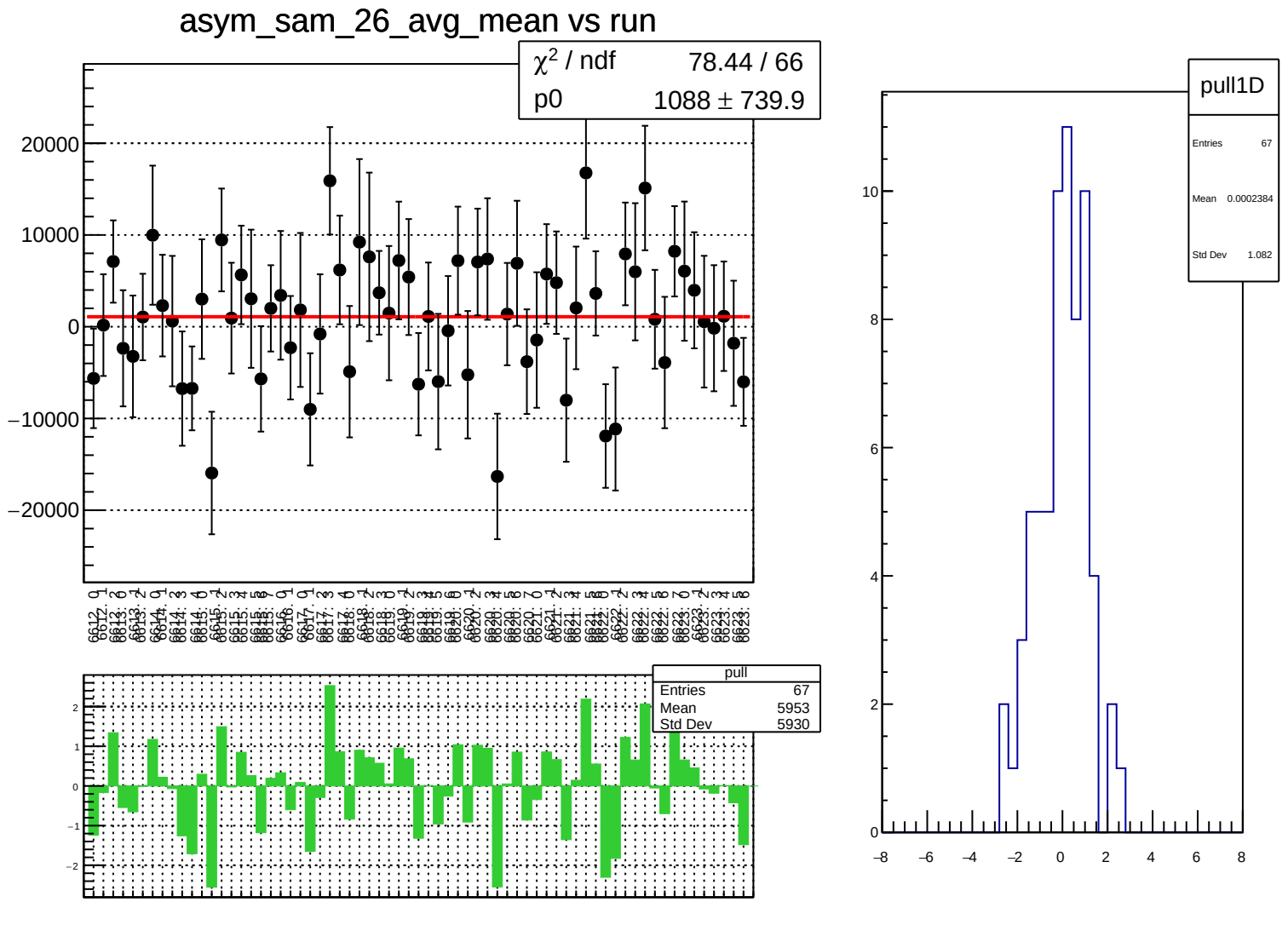

pull1D
Entries 67
Mean −0.01433
Std Dev 1.052

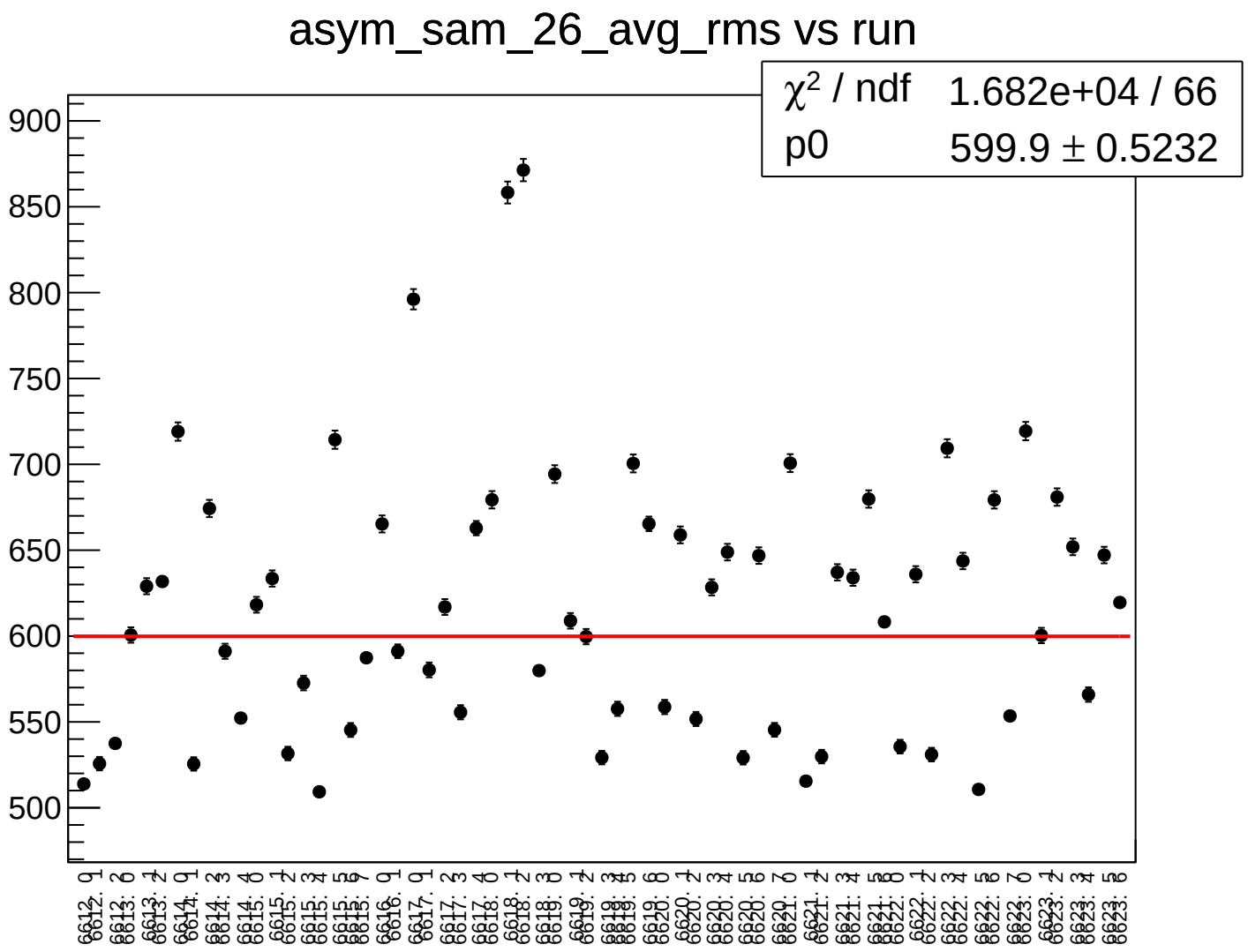
dit_asym_sam_26_avg_rms vs run

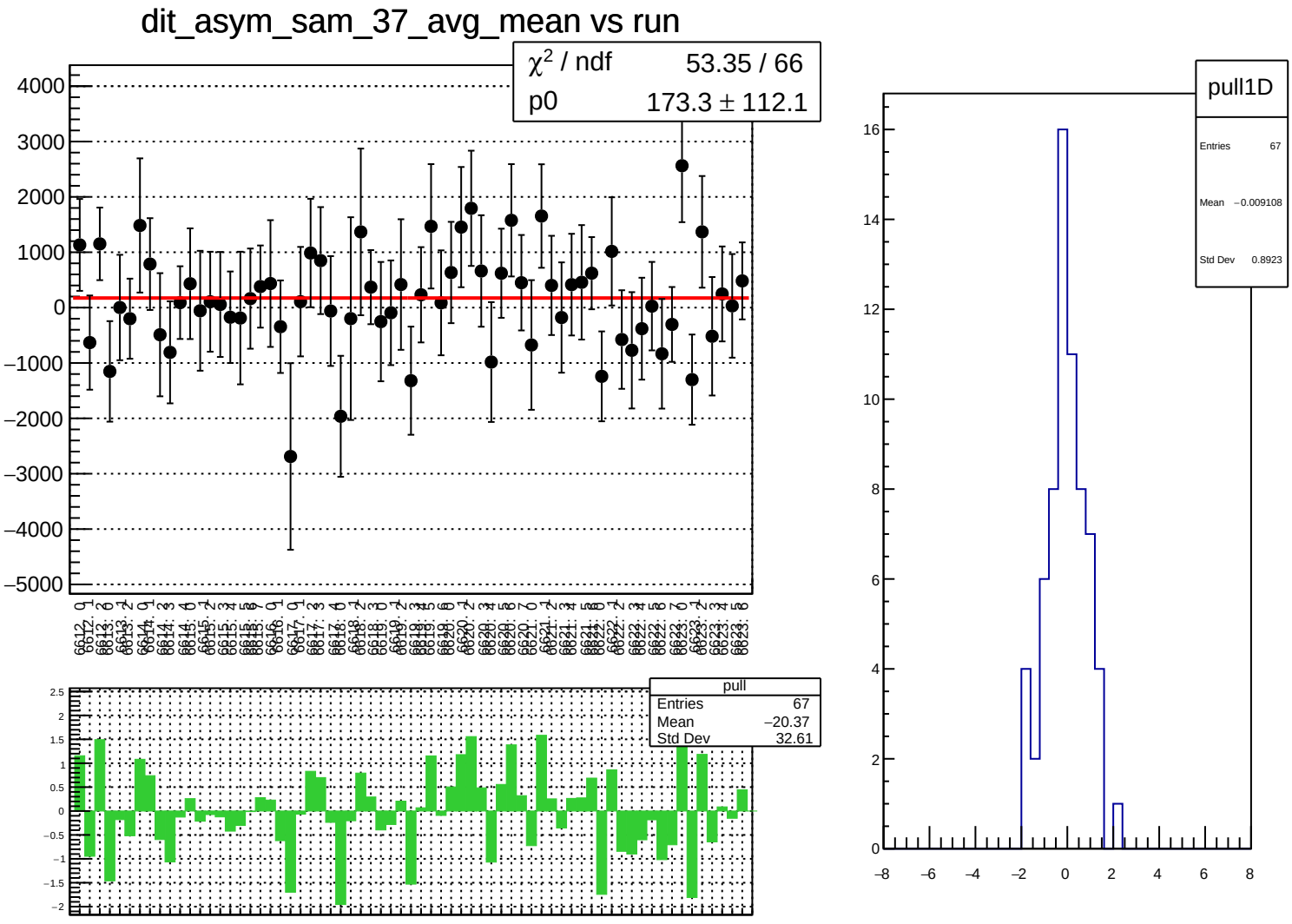



asym_sam_26_avg_correction_mean vs run
χ² / ndf 73.77 / 66
p0 −899.4 ± 718.5
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 327.4
Std Dev 301.4
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.006064
Std Dev 1.049
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

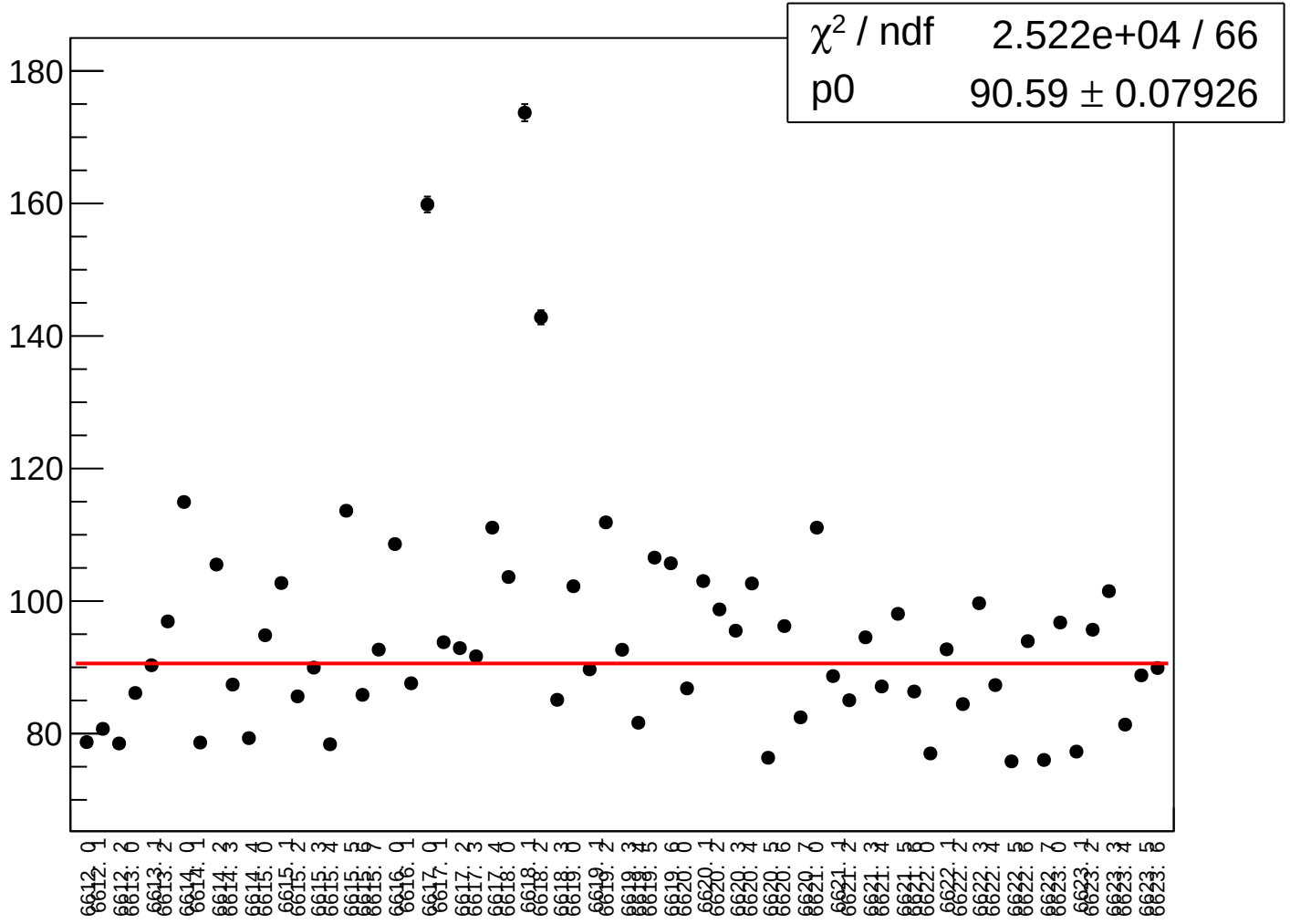

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.105e+04 / 66
p0 583.8 ± 0.508
800
750
700
650
600
550
500

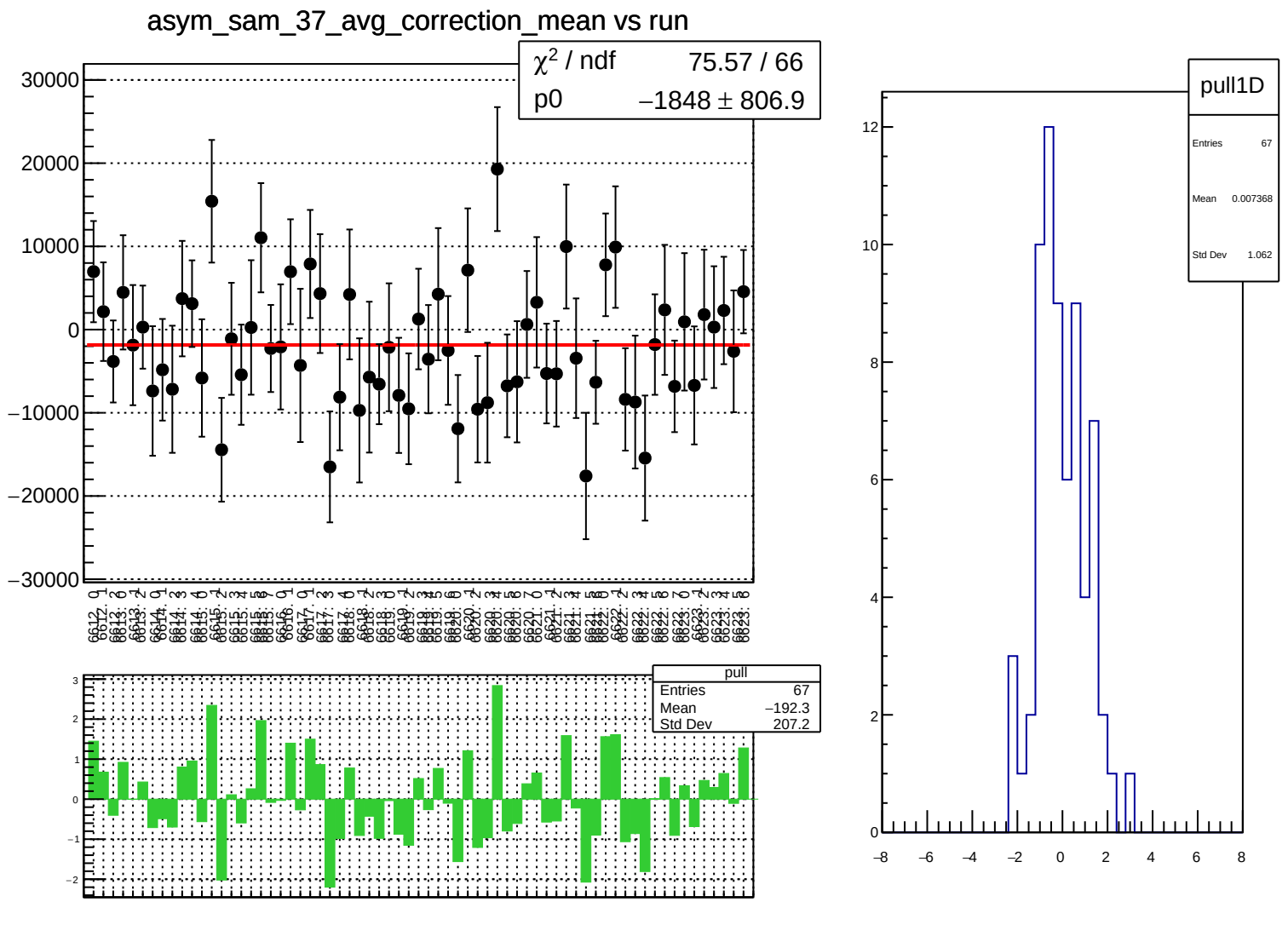

asym_sam_26_avg_mean vs run
χ² / ndf 78.44 / 66
p0 1088 ± 739.9
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 5953
Std Dev 5930
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.0002384
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

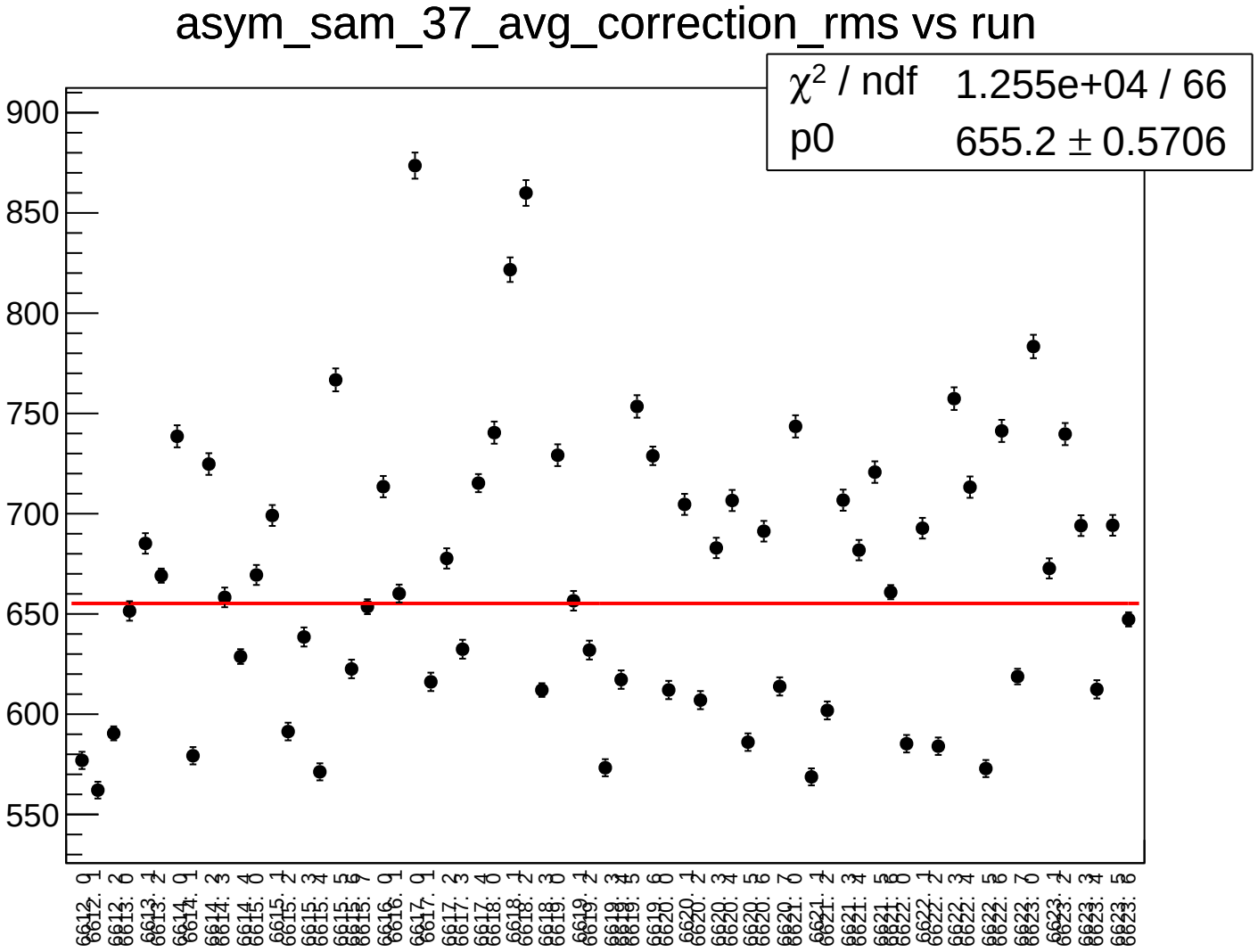

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.682e+04 / 66
p0 599.9 ± 0.5232
900
850
800
750
700
650
600
550
500

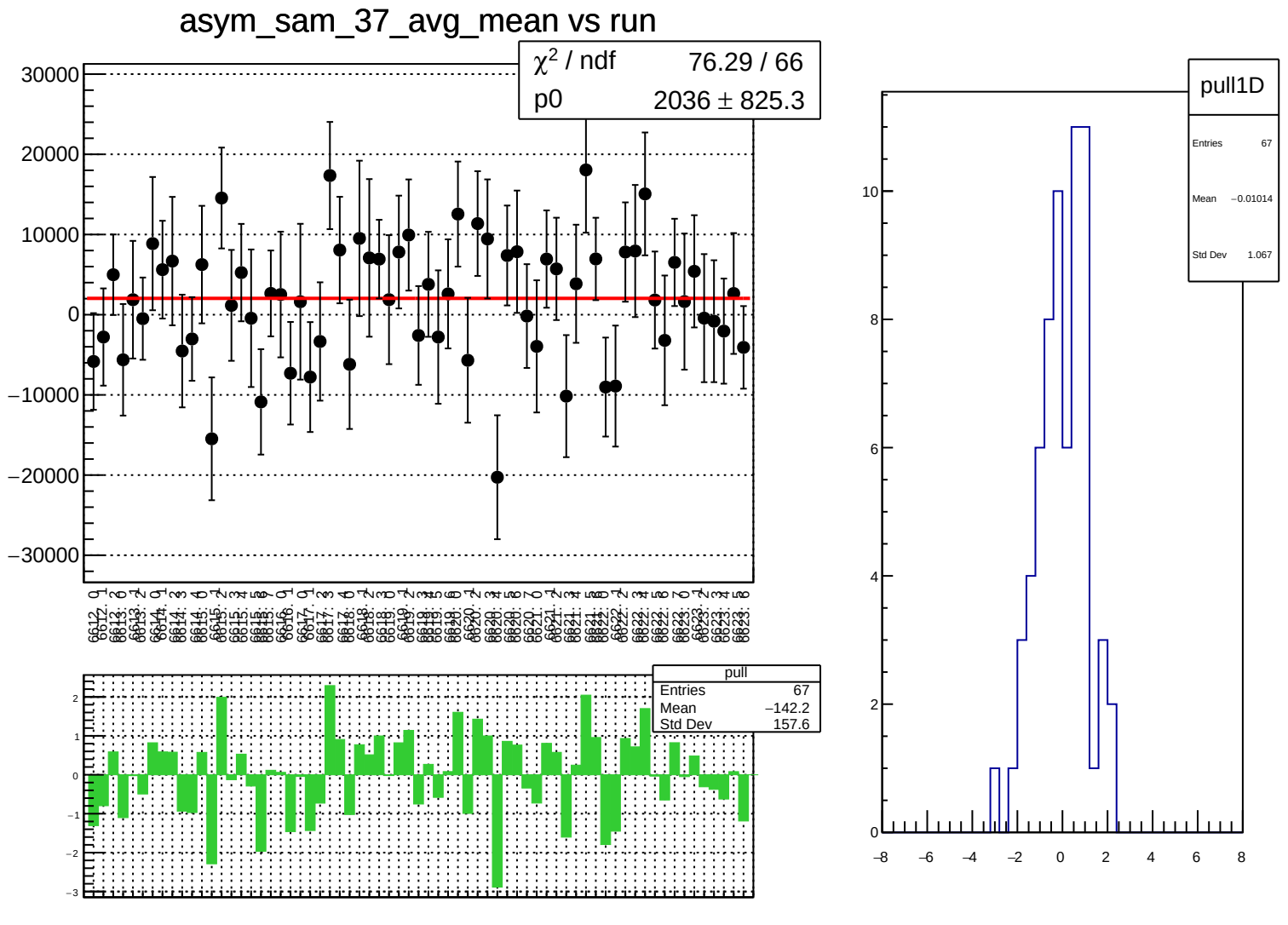

dit_asym_sam_37_avg_mean vs run
χ² / ndf 53.35 / 66
p0 173.3 ± 112.1
pull
Entries 67
Mean −20.37
Std Dev 32.61
pull1D
Entries 67
Mean −0.009108
Std Dev 0.8923

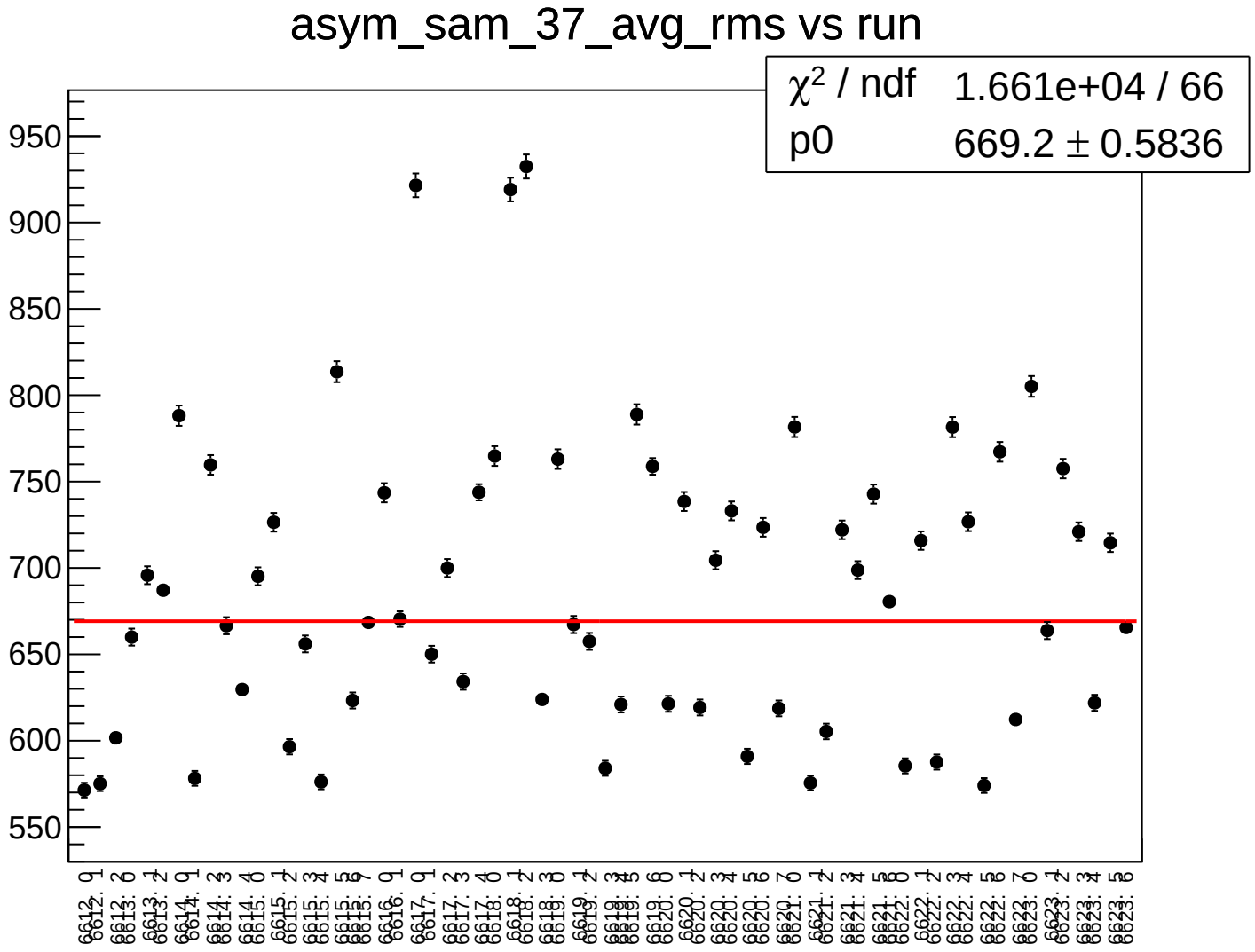
dit_asym_sam_37_avg_rms vs run

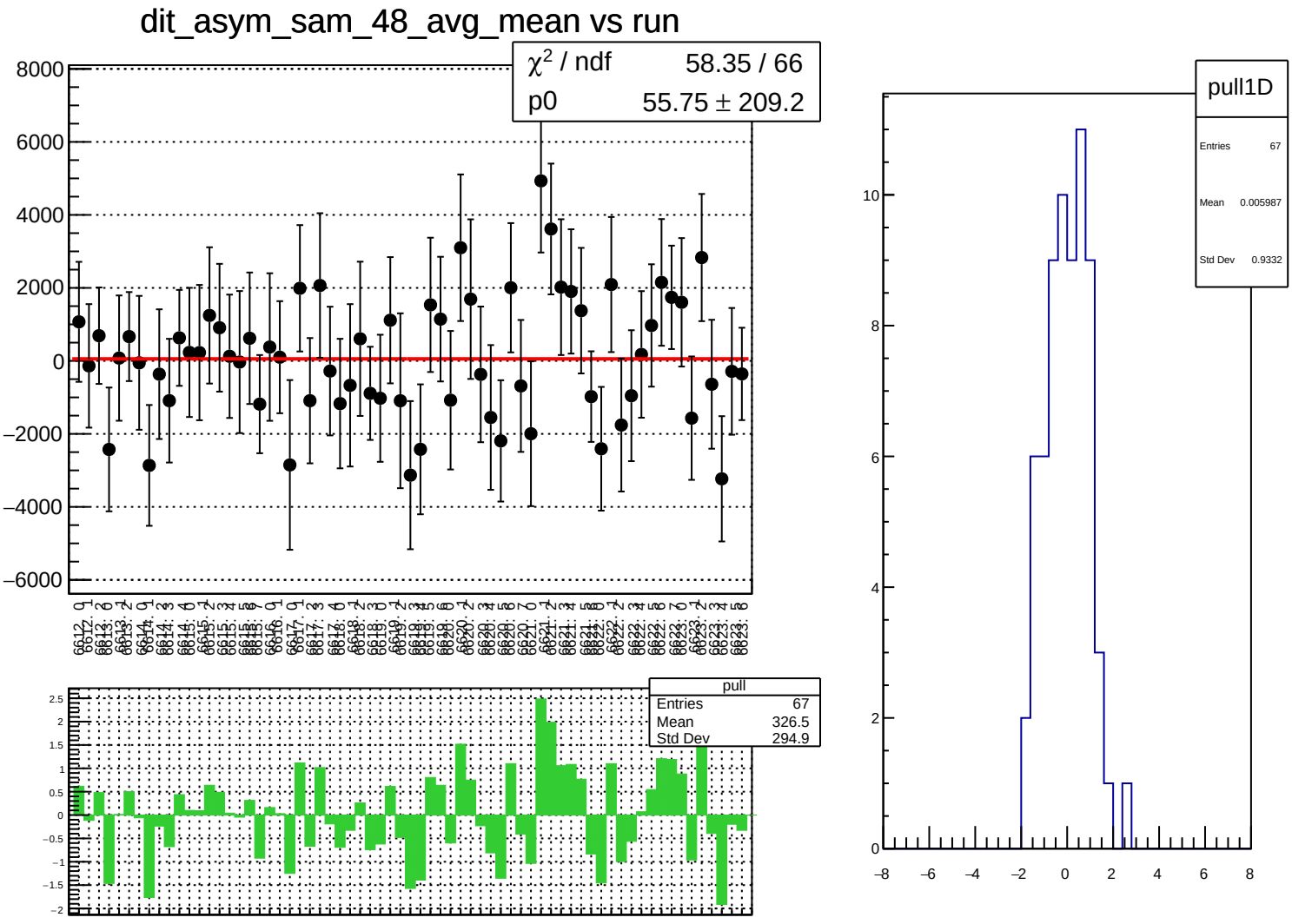



asym_sam_37_avg_correction_mean vs run
χ² / ndf 75.57 / 66
p0 −1848 ± 806.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean −192.3
Std Dev 207.2
3
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.007368
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

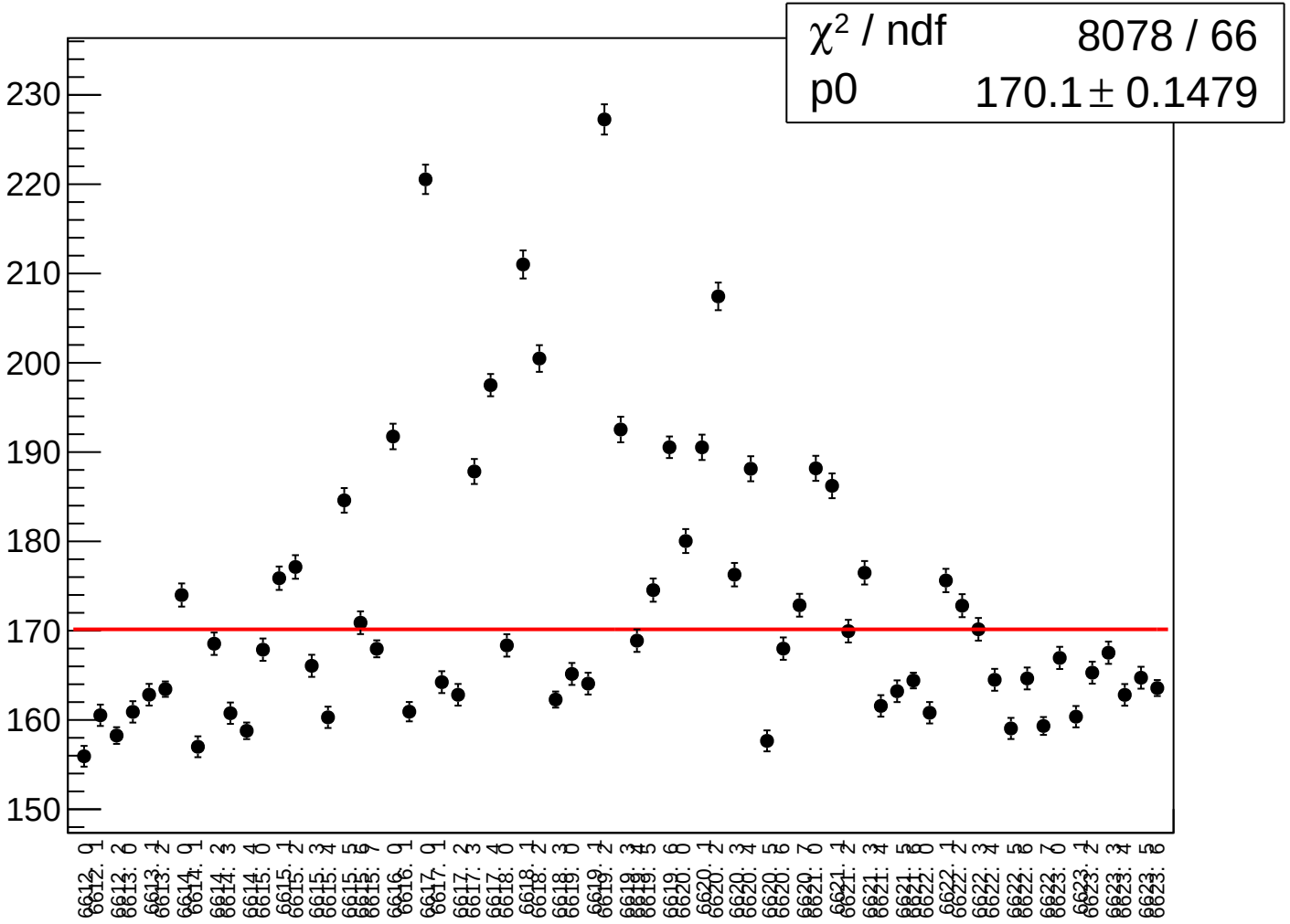

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 1.255e+04 / 66
p0 655.2 ± 0.5706
900
850
800
750
700
650
600
550

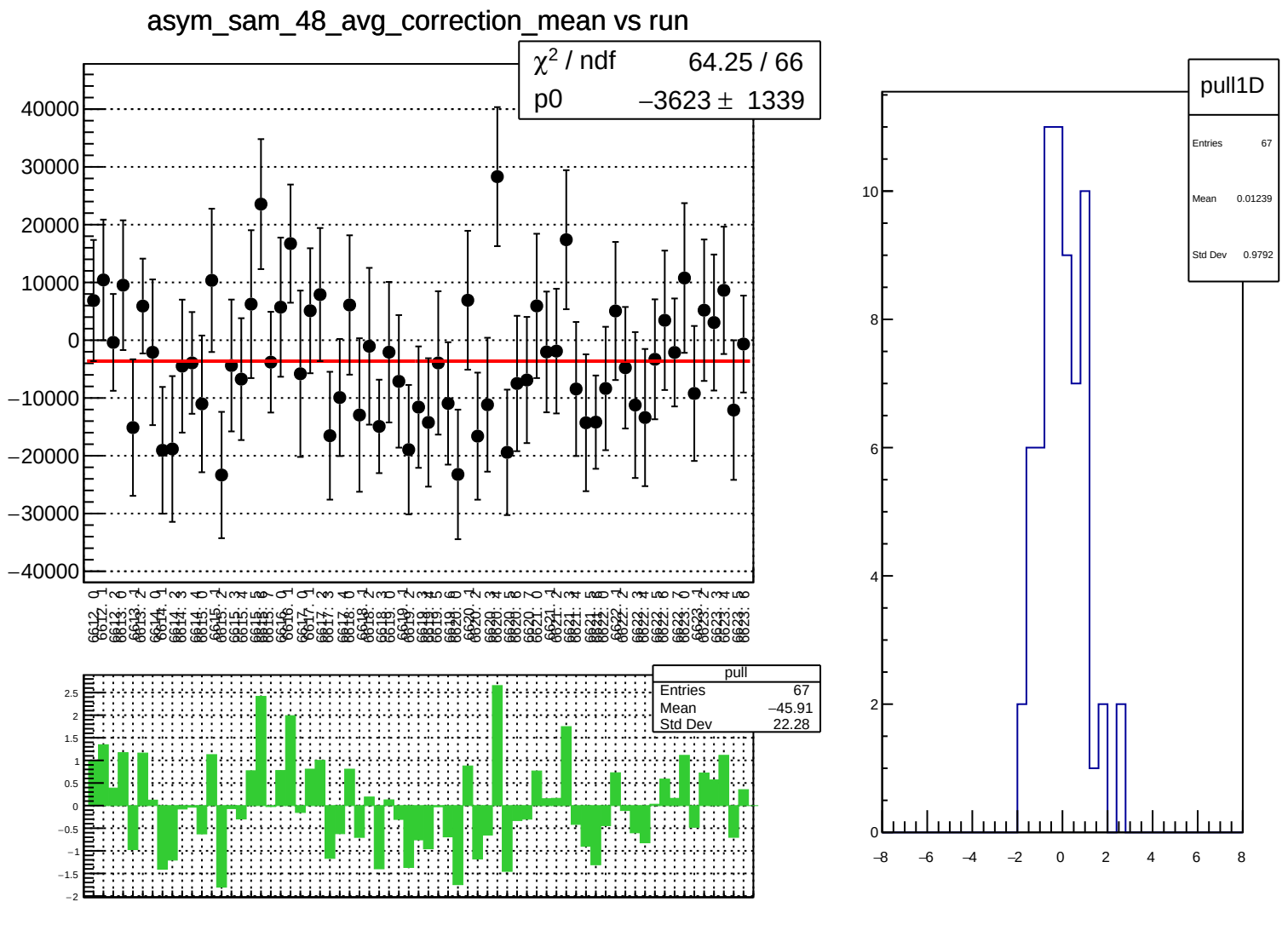

asym_sam_37_avg_mean vs run
χ² / ndf 76.29 / 66
p0 2036 ± 825.3
pull
Entries 67
Mean −142.2
Std Dev 157.6
pull1D
Entries 67
Mean −0.01014
Std Dev 1.067

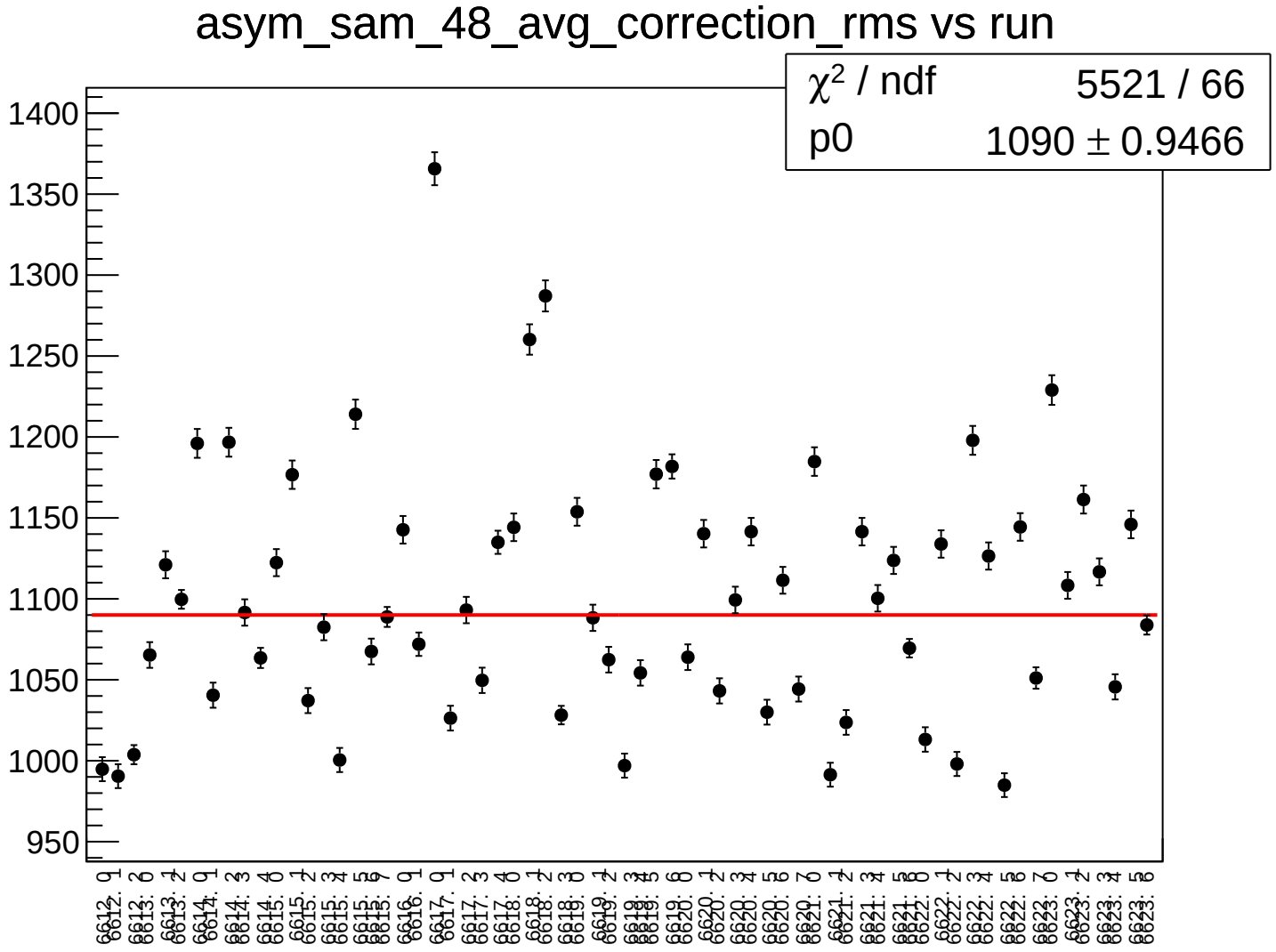

asym_sam_37_avg_rms vs run
χ^2 / ndf 1.661e+04 / 66
p0 669.2 ± 0.5836
950
900
850
800
750
700
650
600
550

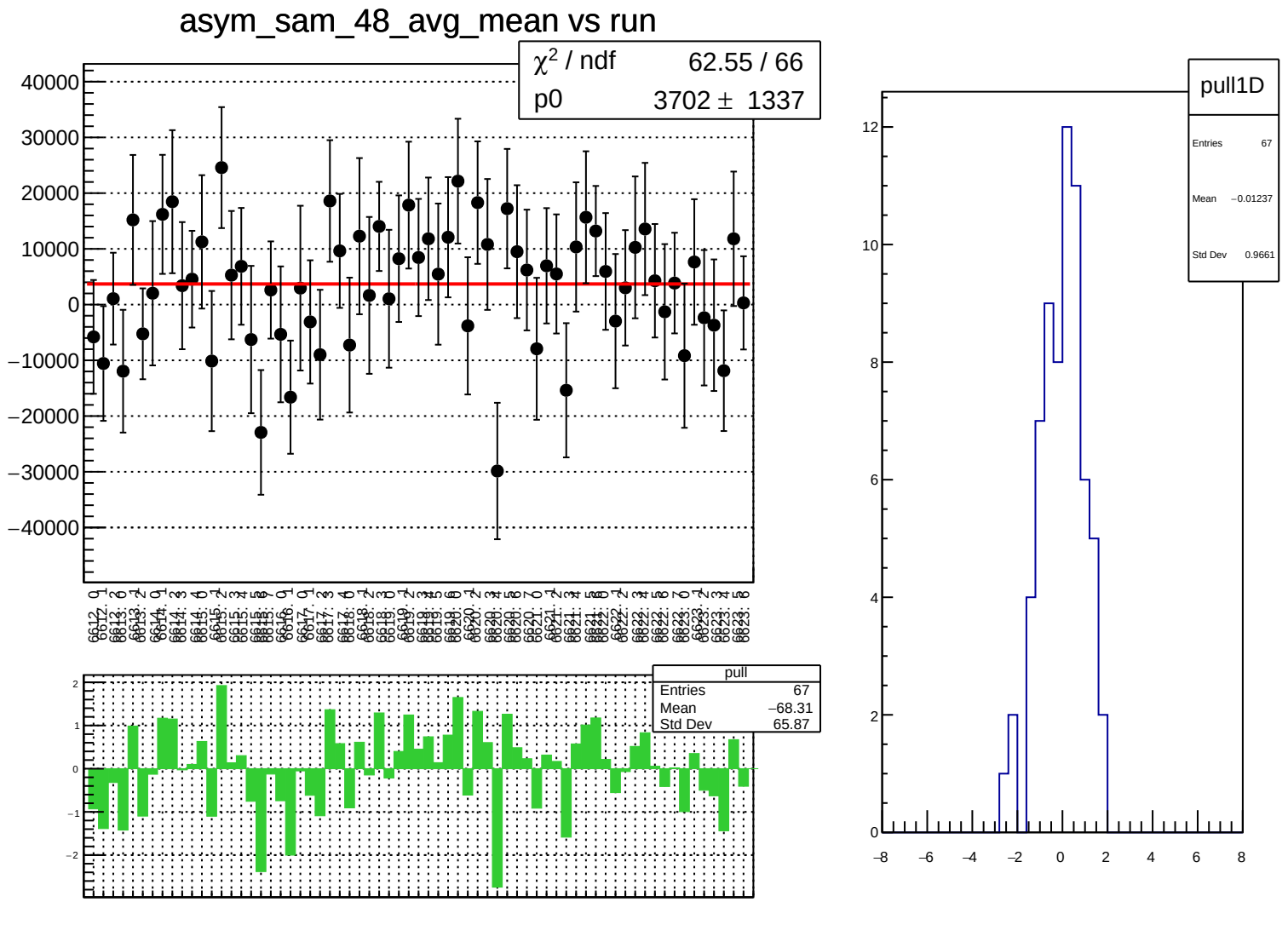

dit_asym_sam_48_avg_mean vs run
χ² / ndf 58.35 / 66
p0 55.75 ± 209.2
pull
Entries 67
Mean 326.5
Std Dev 294.9
pull1D
Entries 67
Mean 0.005987
Std Dev 0.9332

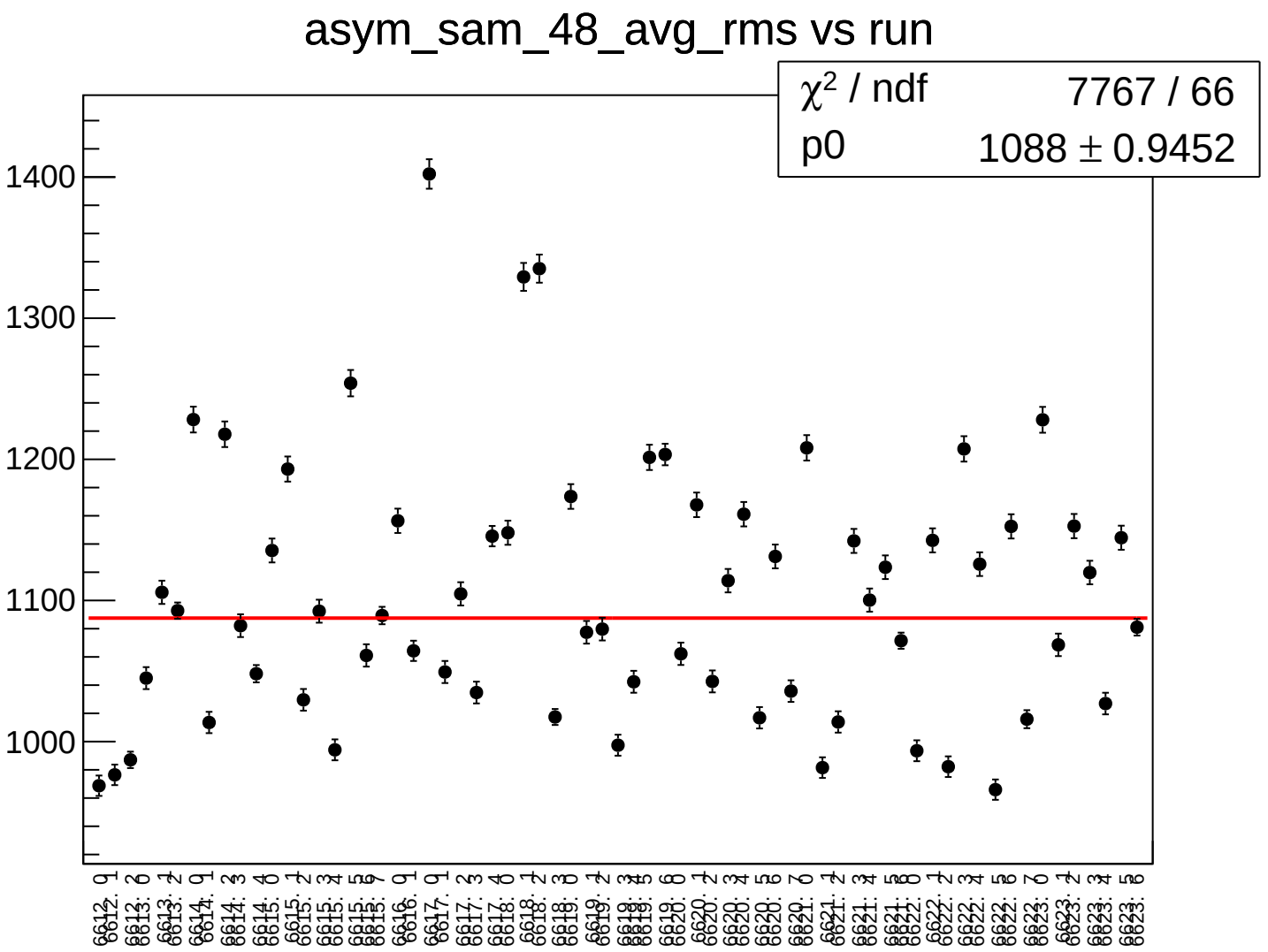
dit_asym_sam_48_avg_rms vs run

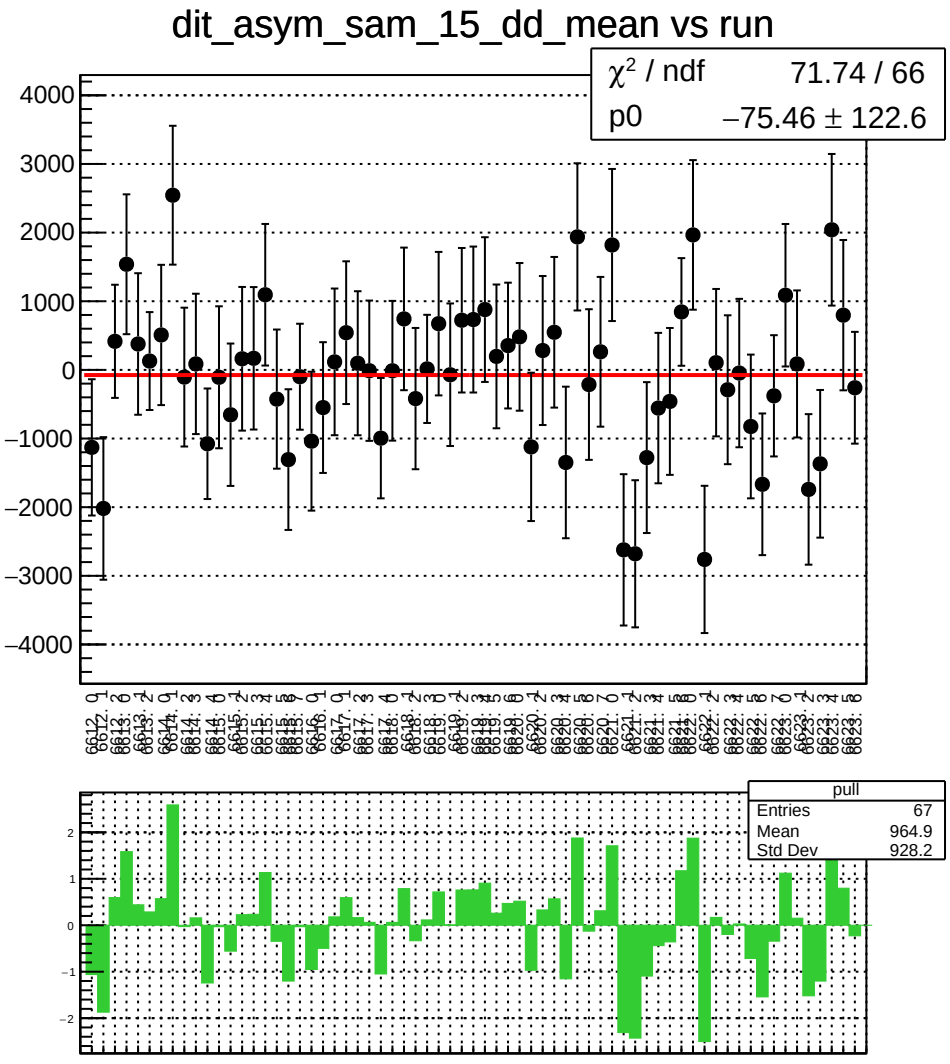


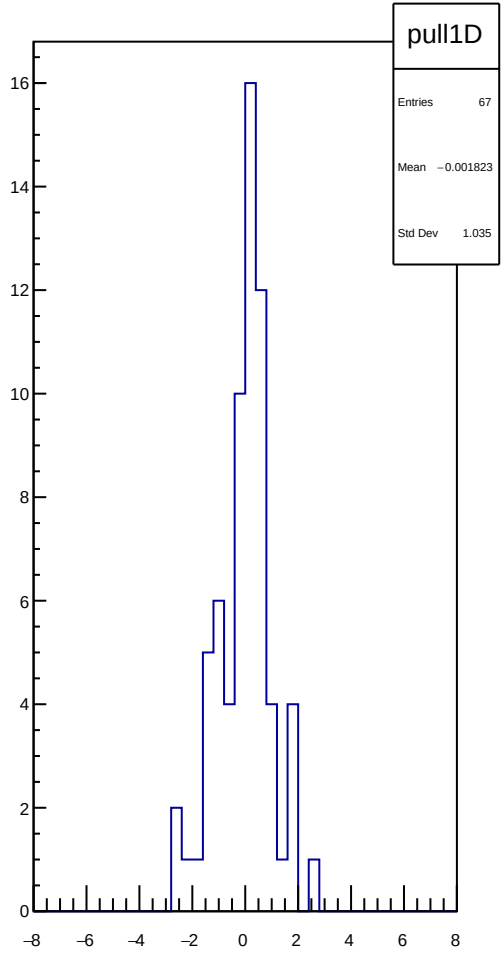

asym_sam_48_avg_correction_mean vs run
χ² / ndf 64.25 / 66
p0 −3623 ± 1339
pull
Entries 67
Mean −45.91
Std Dev 22.28
pull1D
Entries 67
Mean 0.01239
Std Dev 0.9792


asym_sam_48_avg_correction_rms vs run
χ^2 / ndf 5521 / 66
p0 1090 ± 0.9466
1400
1350
1300
1250
1200
1150
1100
1050
1000
950

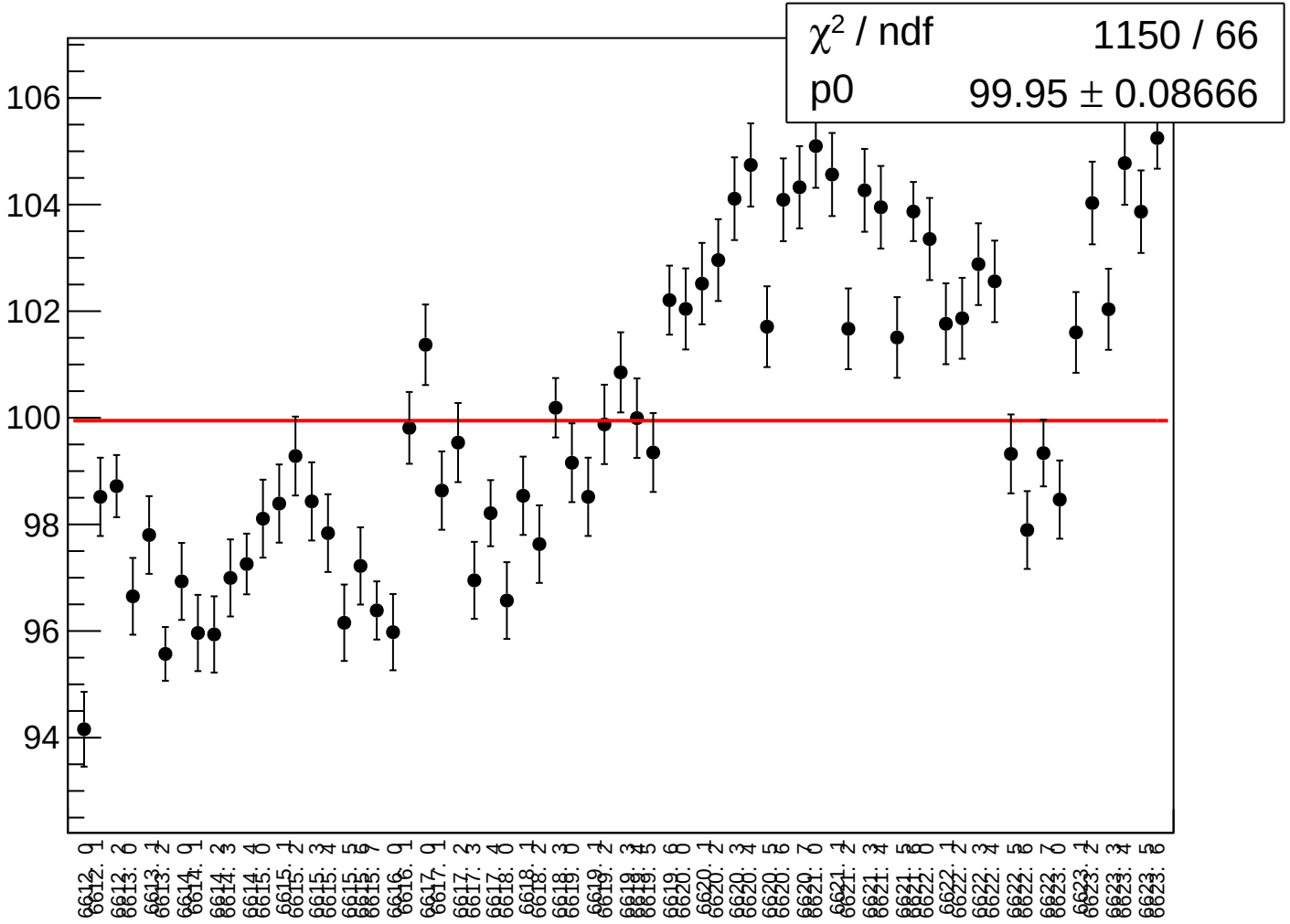

asym_sam_48_avg_mean vs run
χ² / ndf 62.55 / 66
p0 3702 ± 1337
pull
Entries 67
Mean −68.31
Std Dev 65.87
pull1D
Entries 67
Mean −0.01237
Std Dev 0.9661

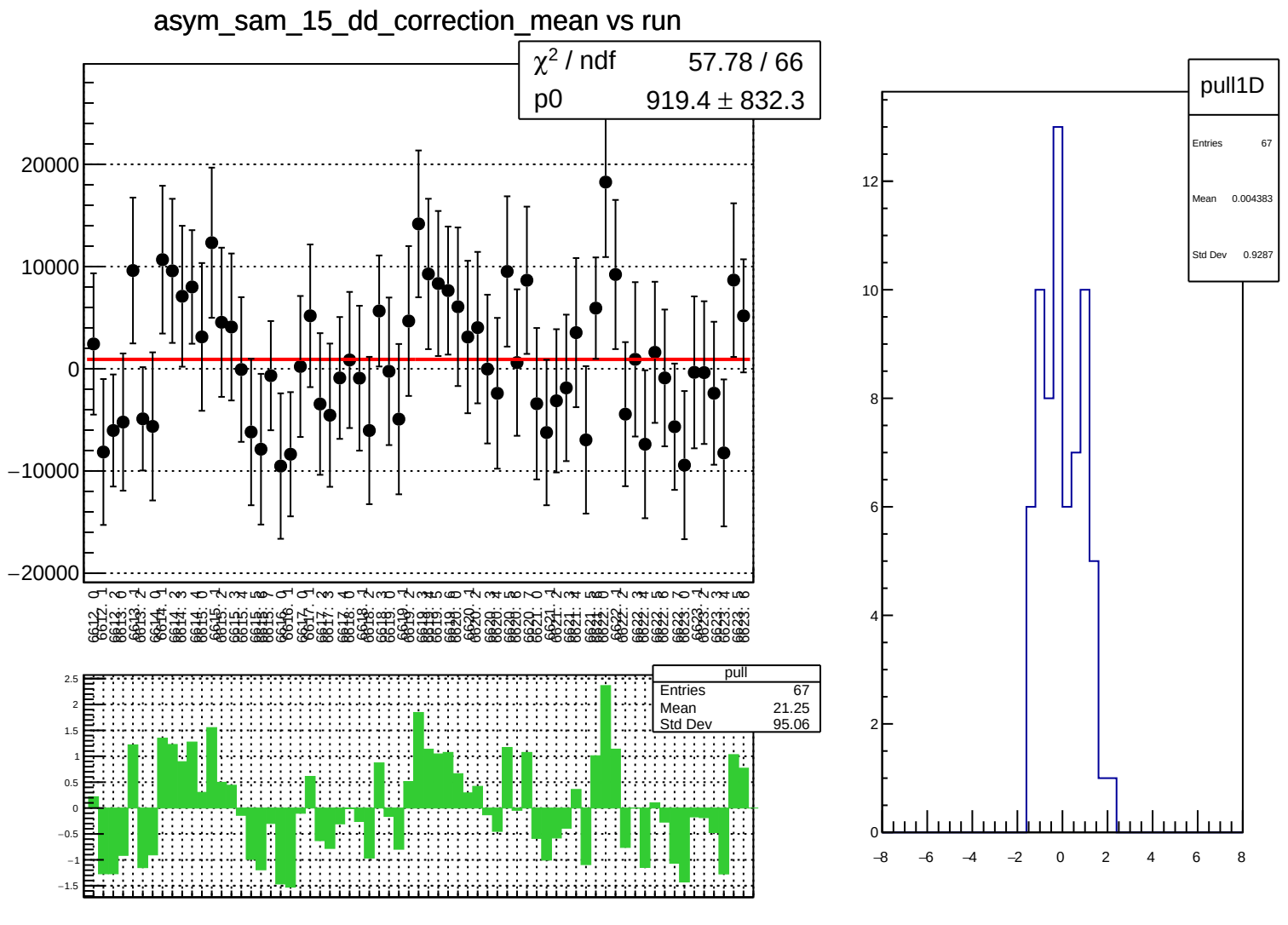

asym_sam_48_avg_rms vs run
χ² / ndf 7767 / 66
p0 1088 ± 0.9452
1400
1300
1200
1100
1000

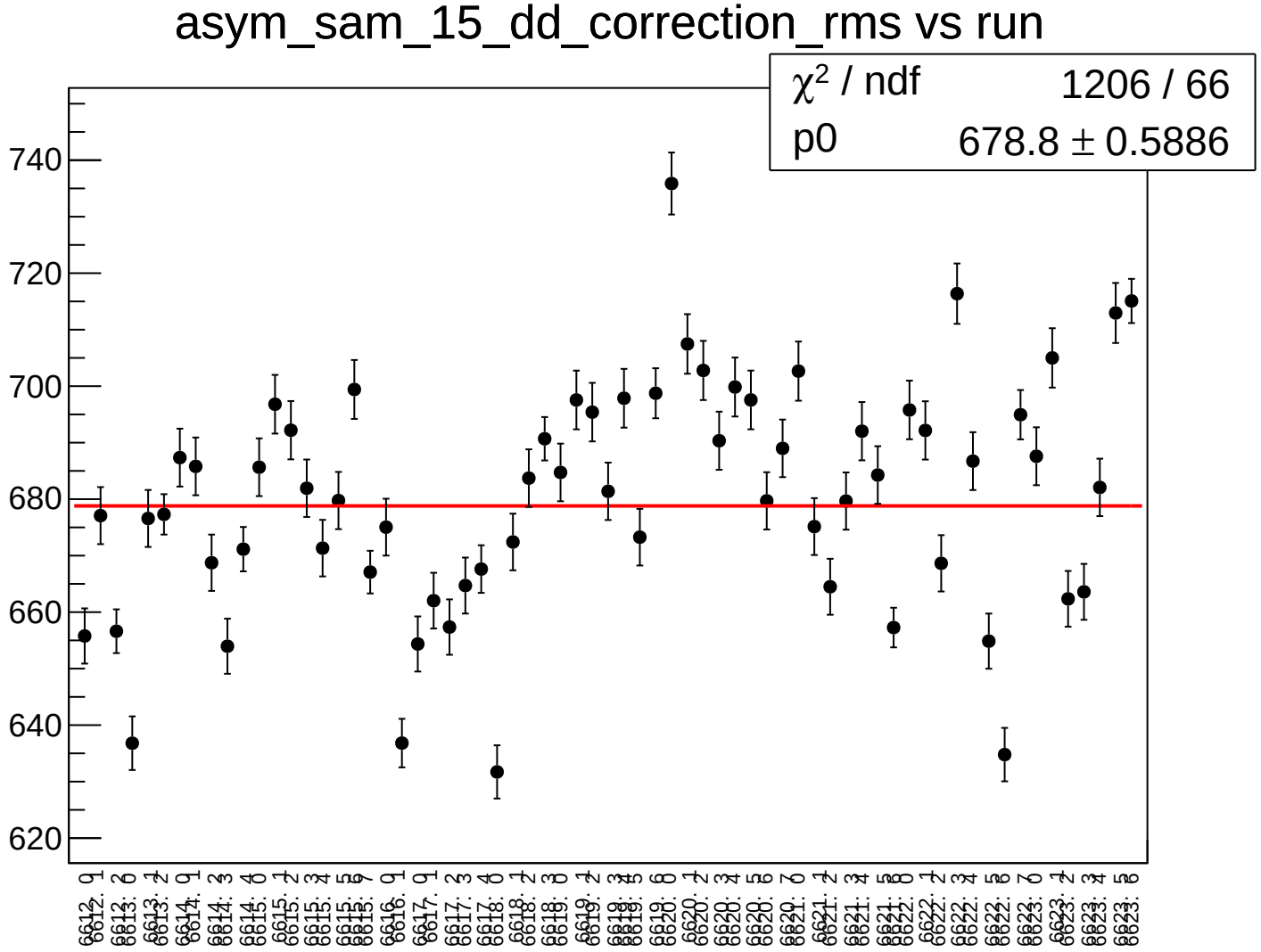

dit_asym_sam_15_dd_mean vs run
χ² / ndf 71.74 / 66
p0 −75.46 ± 122.6
pull
Entries 67
Mean 964.9
Std Dev 928.2

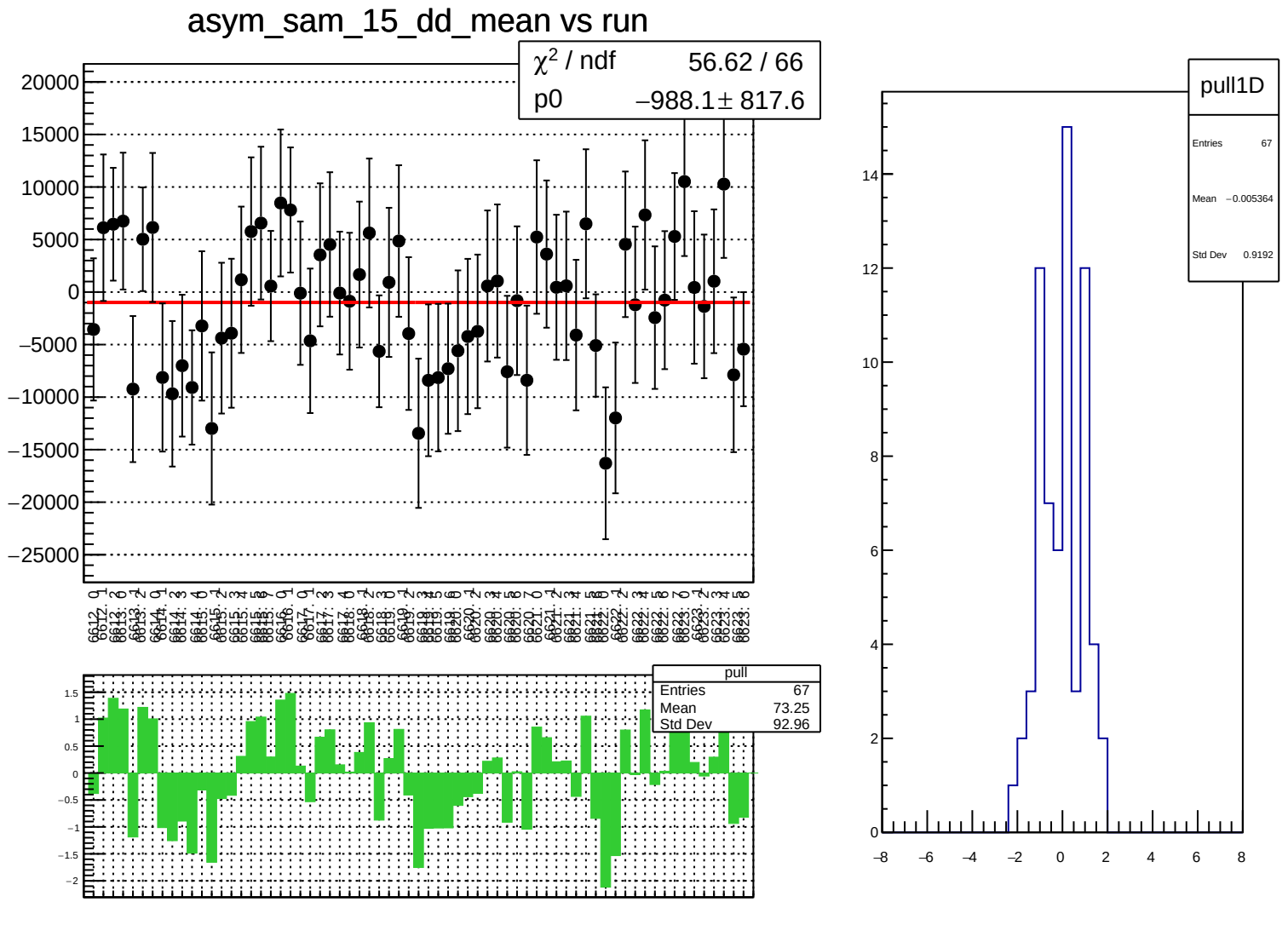

pull1D
Entries 67
Mean −0.001823
Std Dev 1.035

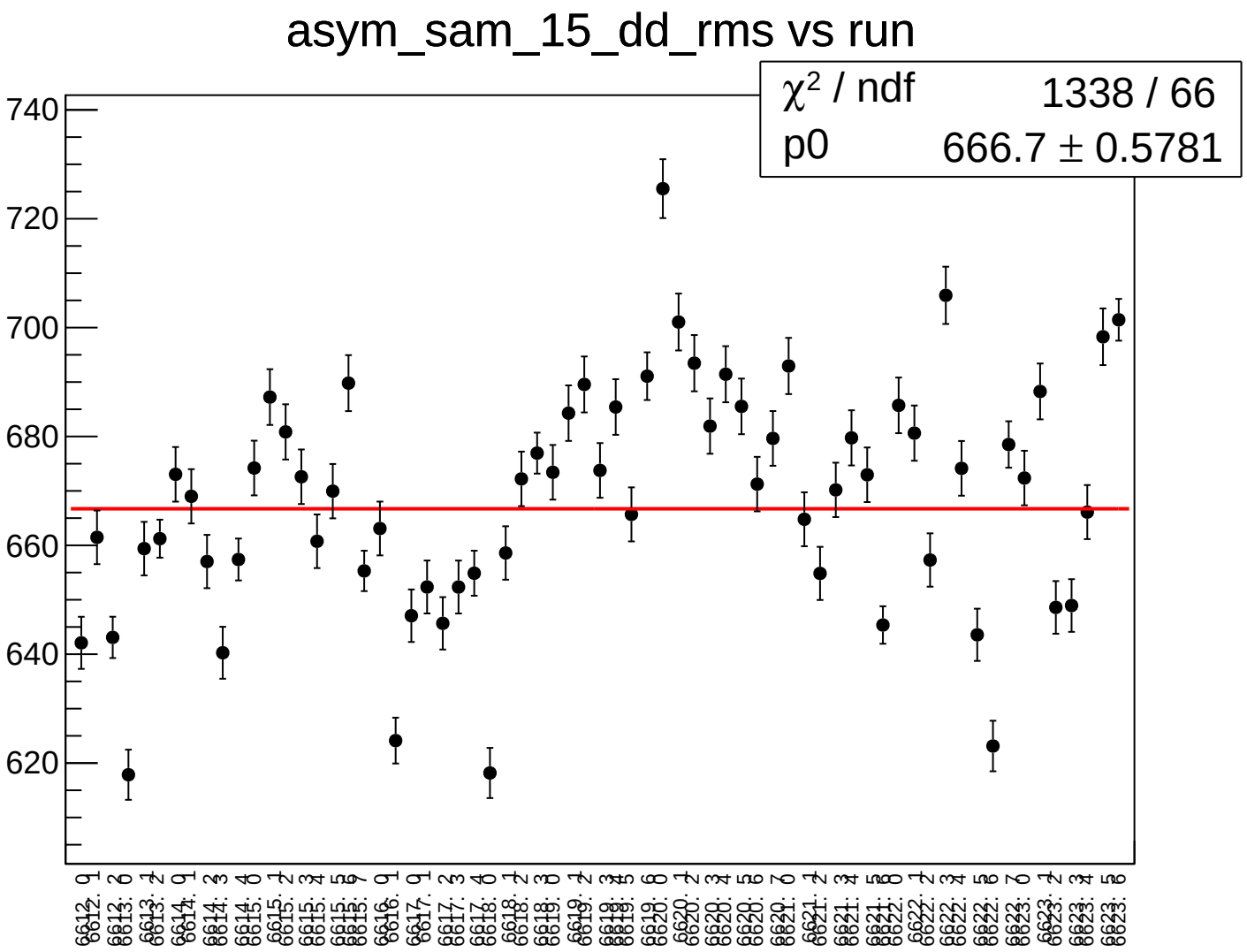
dit_asym_sam_15_dd_rms vs run

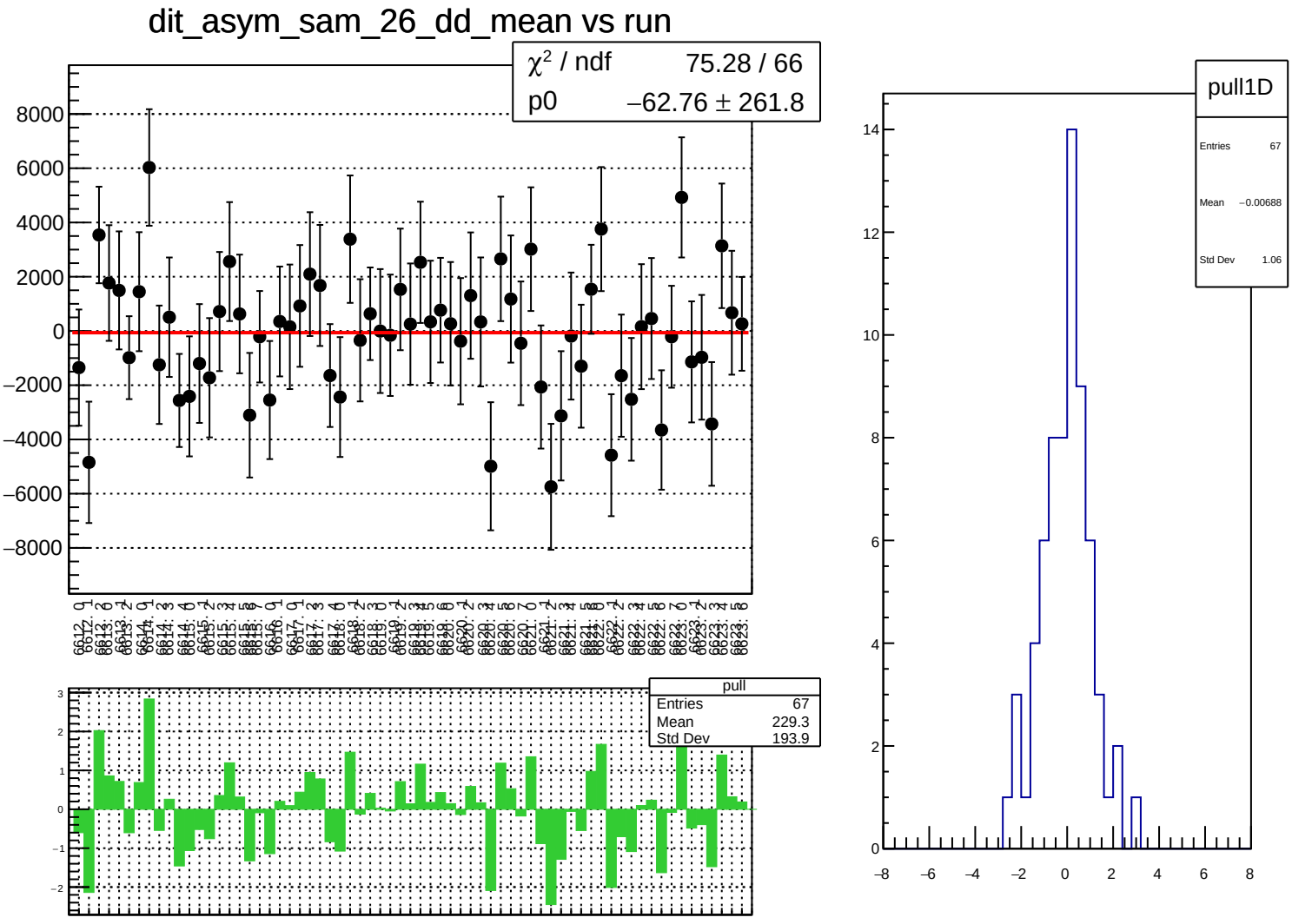


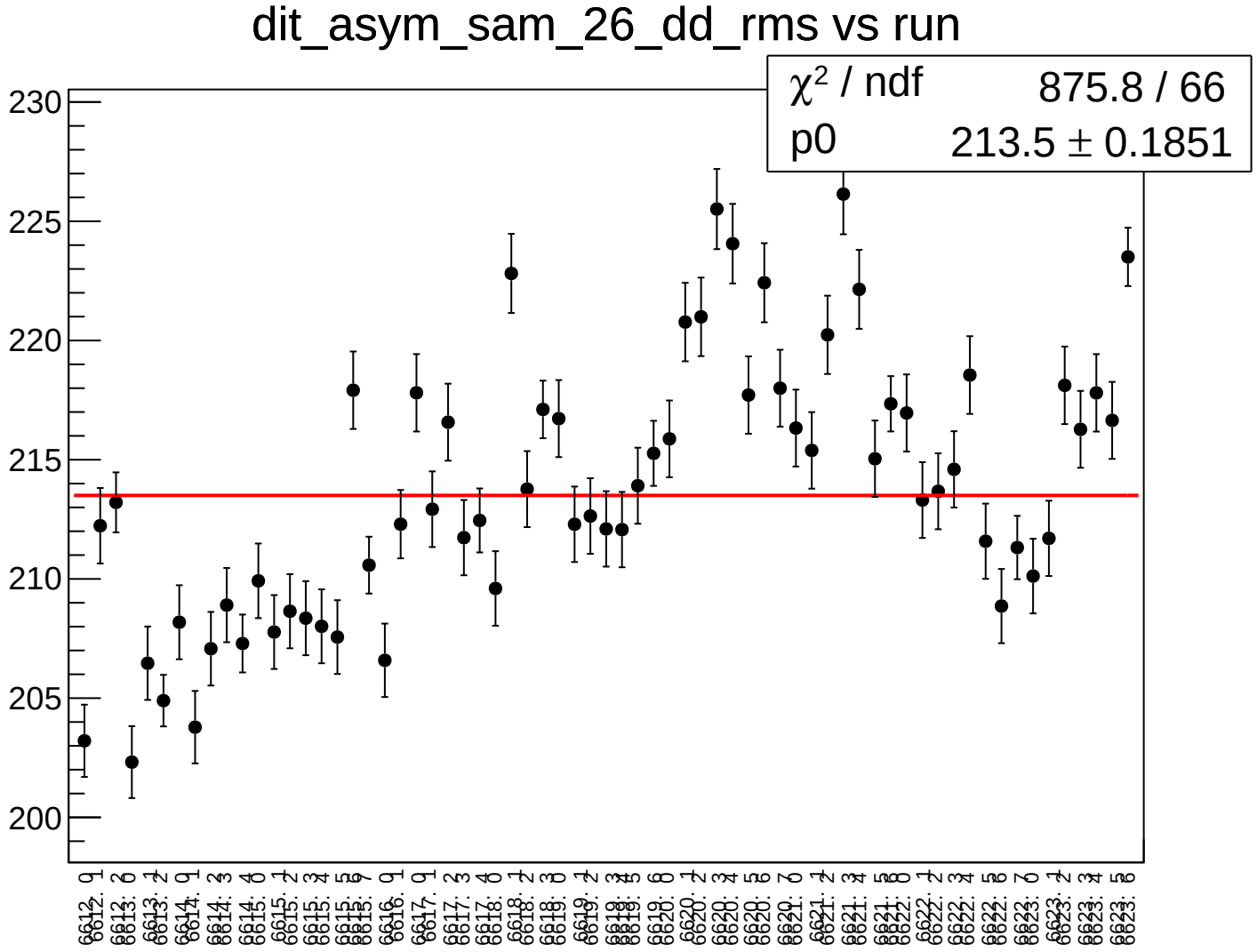

asym_sam_15_dd_correction_mean vs run
χ² / ndf 57.78 / 66
p0 919.4 ± 832.3
20000
10000
0
−10000
−20000
pull
Entries 67
Mean 21.25
Std Dev 95.06
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean 0.004383
Std Dev 0.9287
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

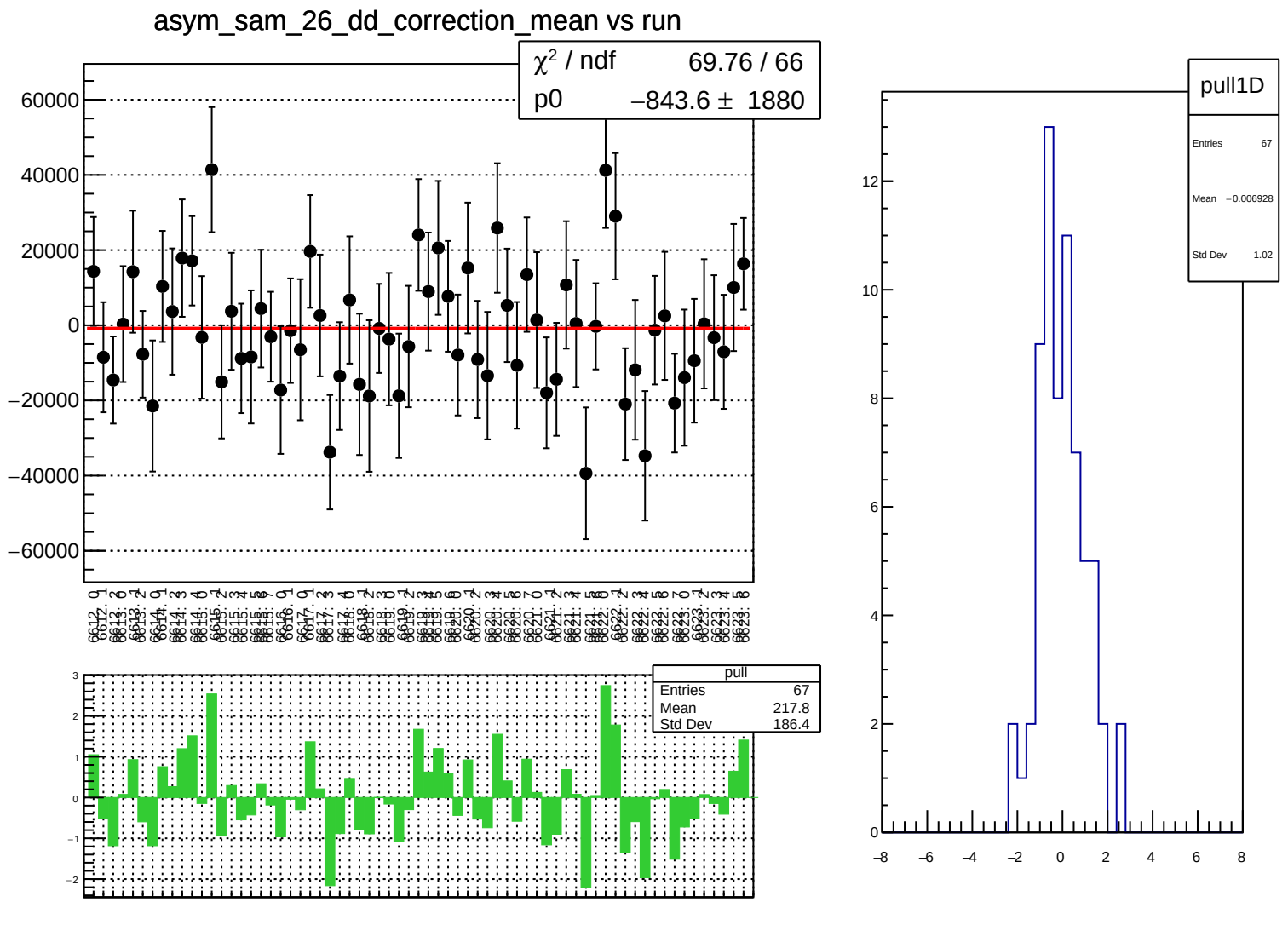

asym_sam_15_dd_correction_rms vs run
χ^2 / ndf 1206 / 66
p0 678.8 ± 0.5886
740
720
700
680
660
640
620


asym_sam_15_dd_mean vs run
χ² / ndf 56.62 / 66
p0 −988.1 ± 817.6
pull
Entries 67
Mean 73.25
Std Dev 92.96
pull1D
Entries 67
Mean −0.005364
Std Dev 0.9192

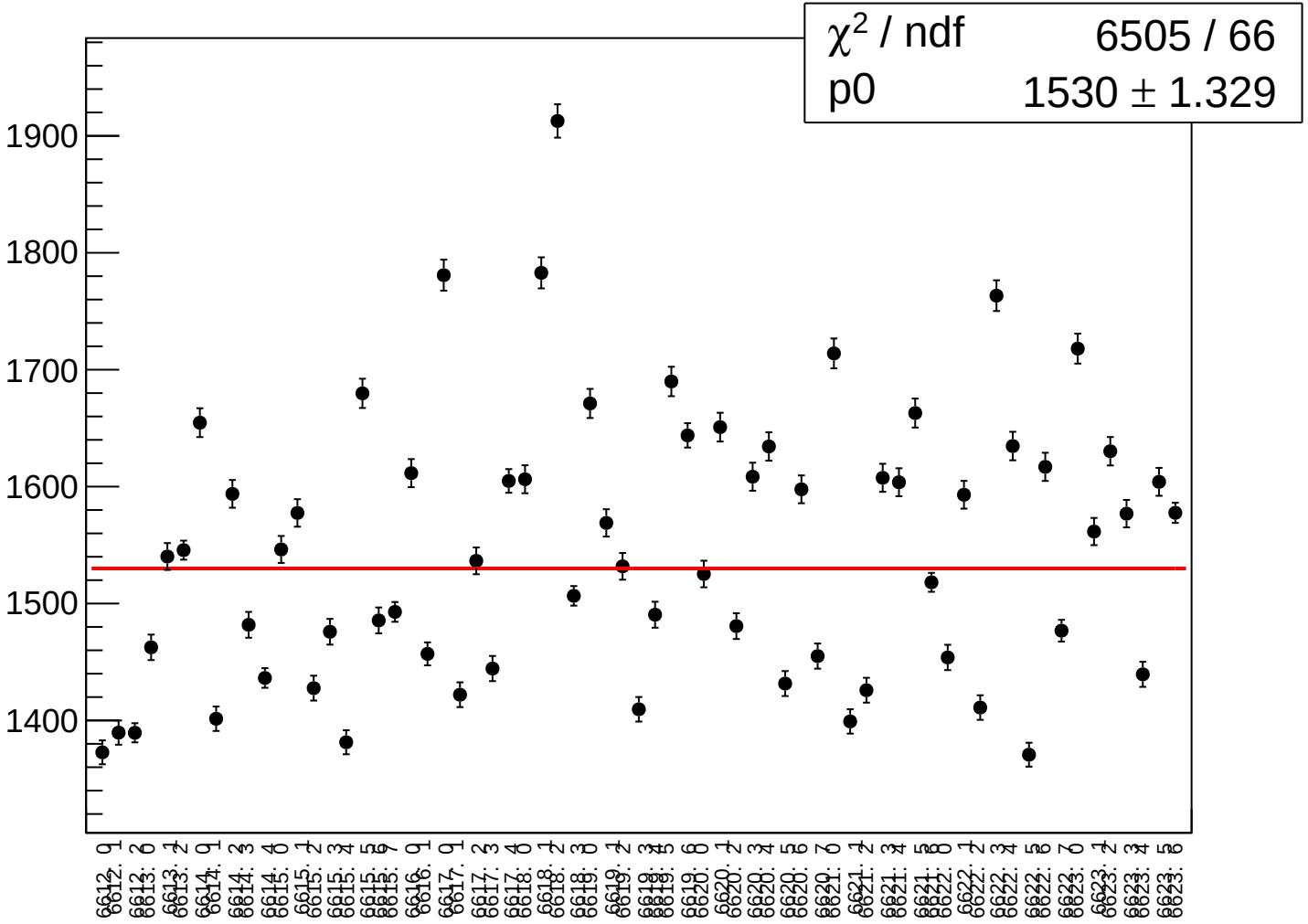

asym_sam_15_dd_rms vs run
χ² / ndf 1338 / 66
p0 666.7 ± 0.5781
740
720
700
680
660
640
620

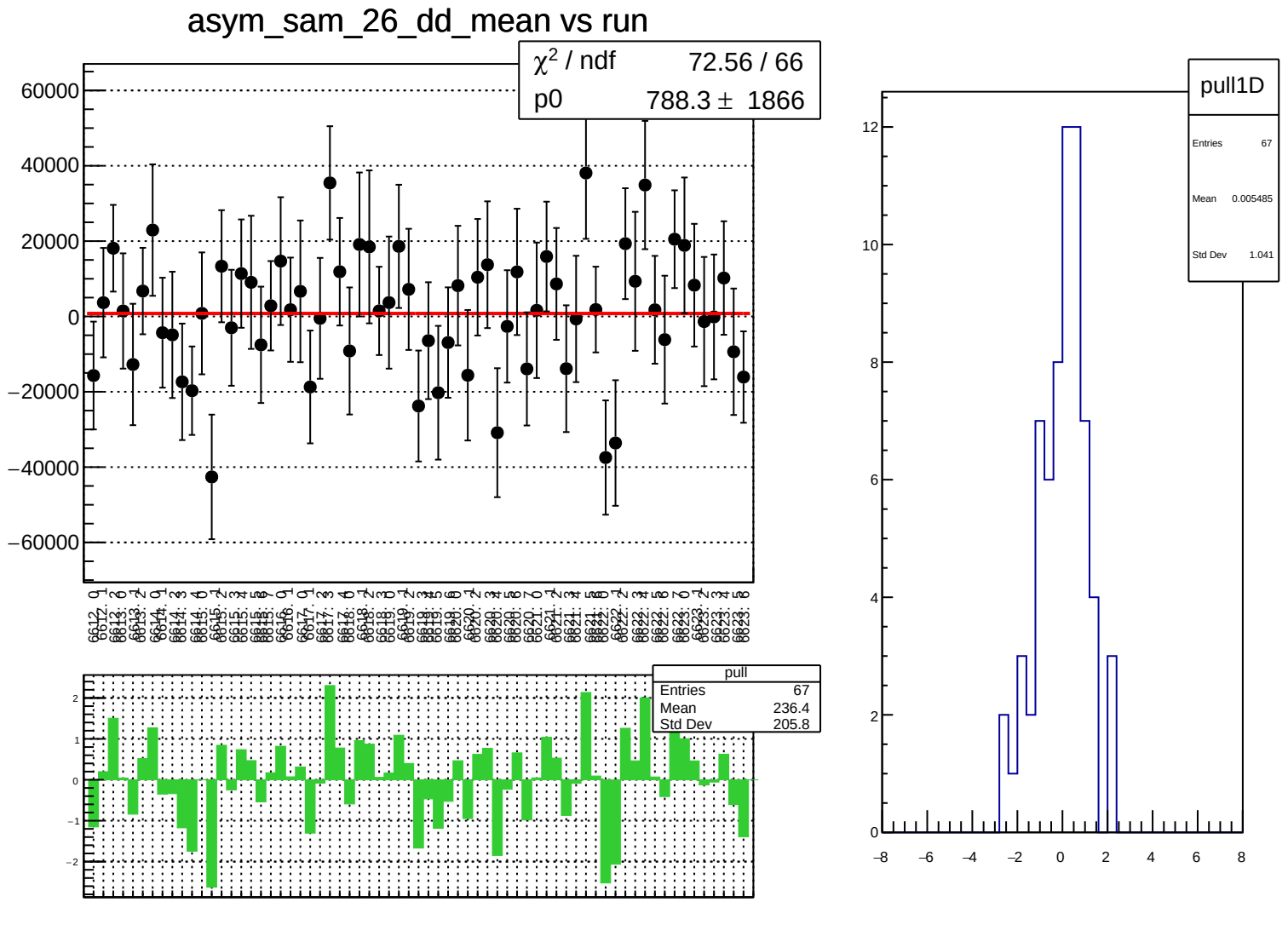

dit_asym_sam_26_dd_mean vs run
χ² / ndf 75.28 / 66
p0 −62.76 ± 261.8
pull
Entries 67
Mean 229.3
Std Dev 193.9
pull1D
Entries 67
Mean −0.00688
Std Dev 1.06

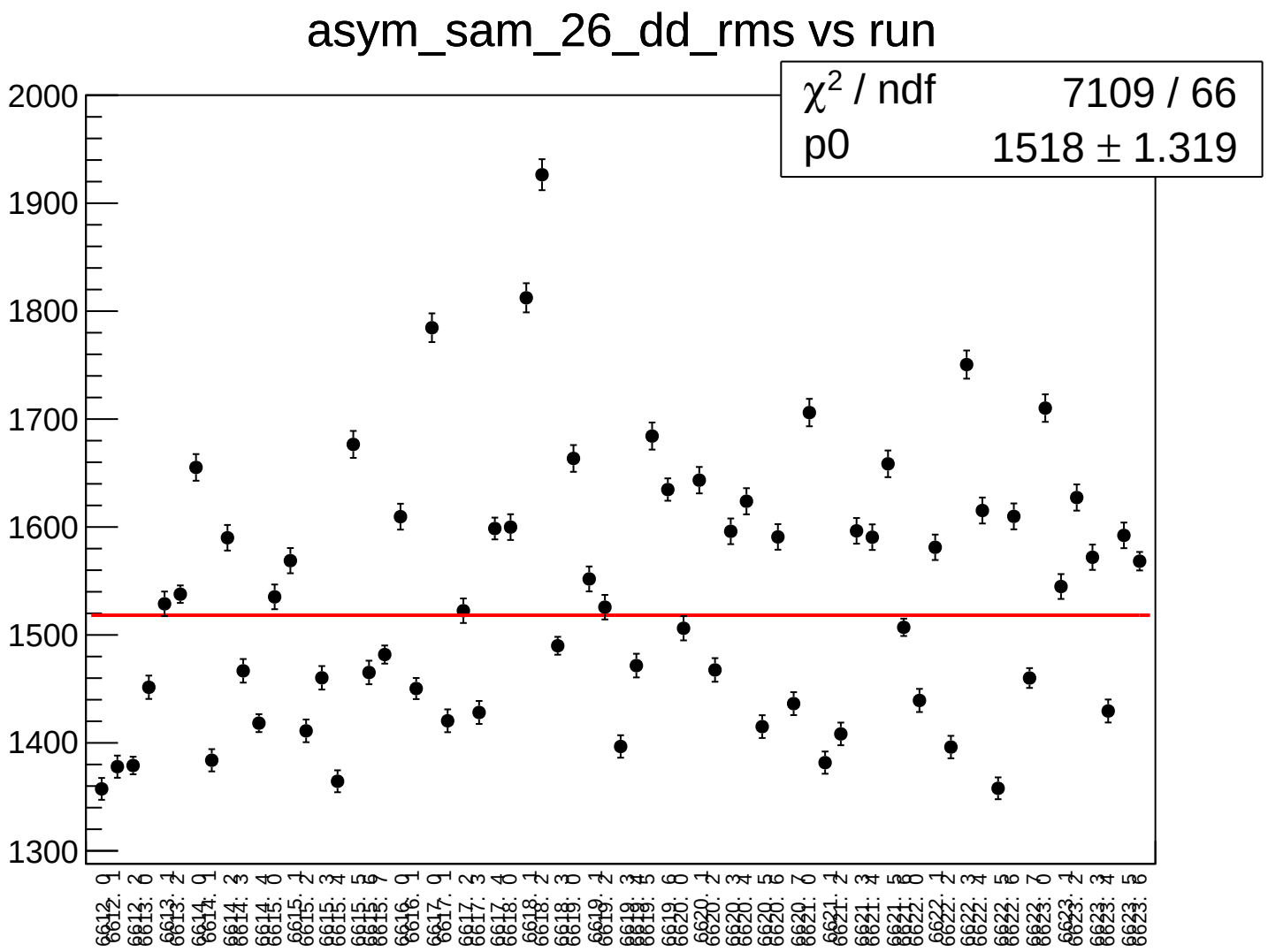

dit_asym_sam_26_dd_rms vs run
χ² / ndf 875.8 / 66
p0 213.5 ± 0.1851
230
225
220
215
210
205
200

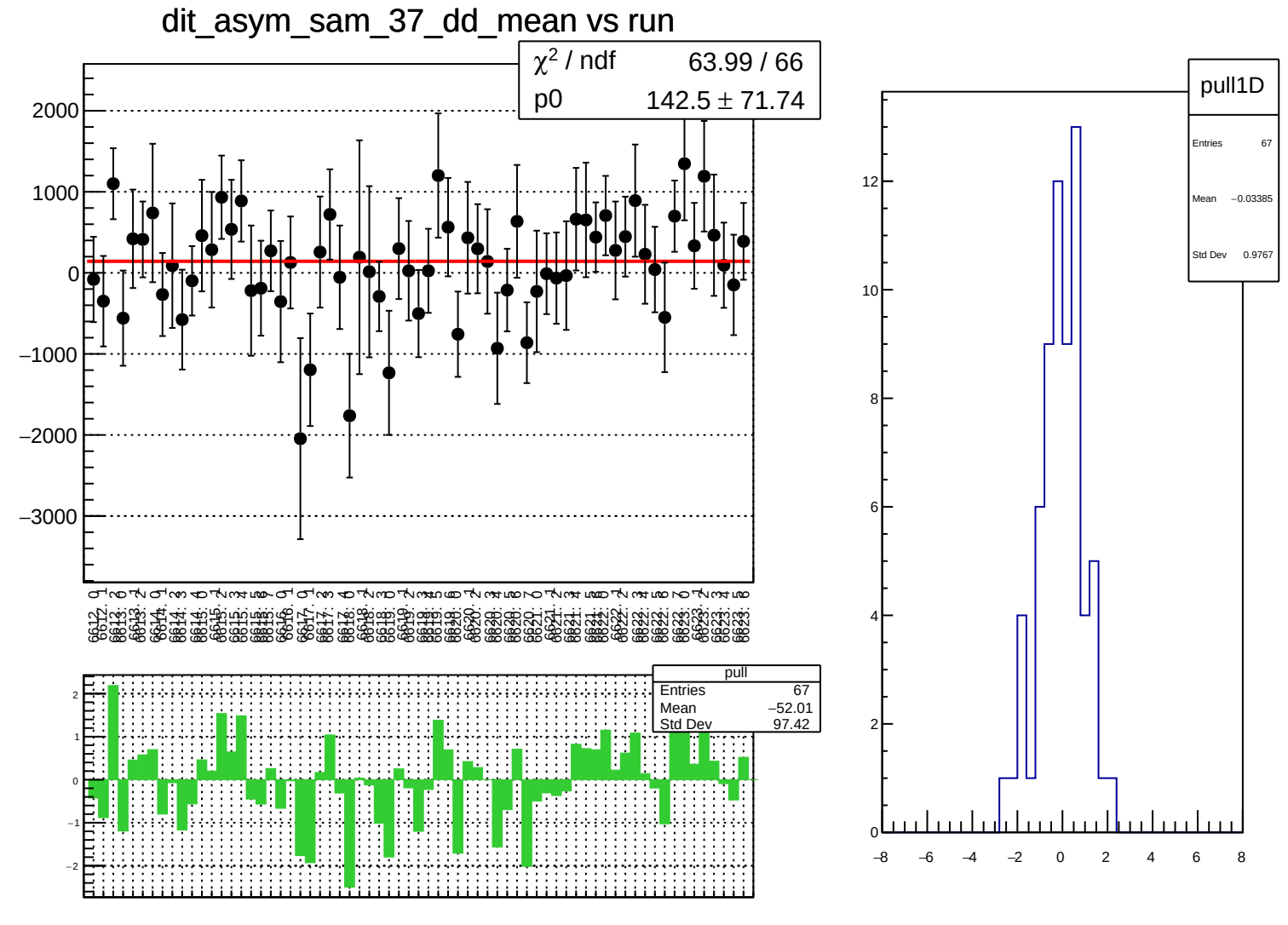

asym_sam_26_dd_correction_mean vs run
χ² / ndf 69.76 / 66
p0 −843.6 ± 1880
pull
Entries 67
Mean 217.8
Std Dev 186.4
pull1D
Entries 67
Mean −0.006928
Std Dev 1.02

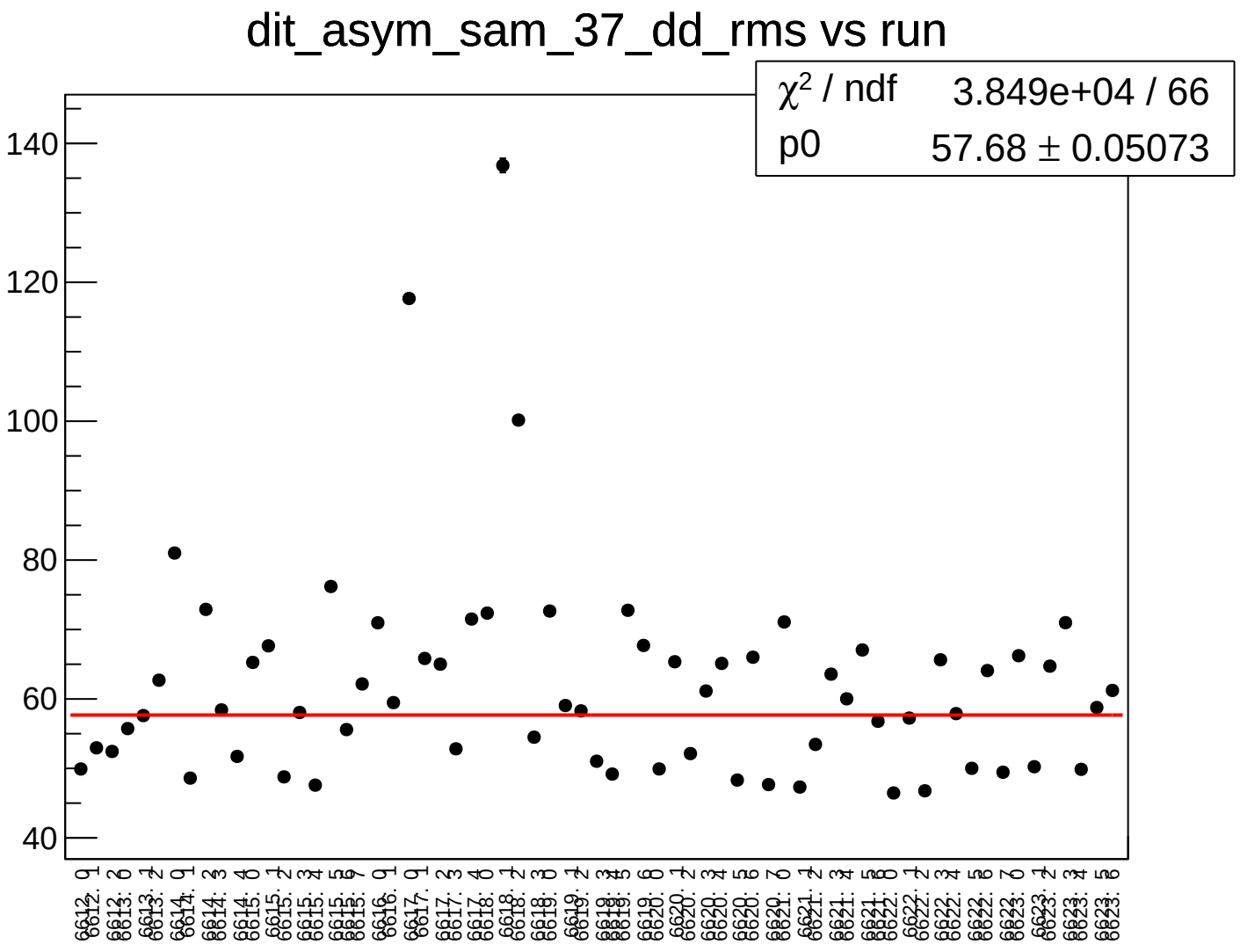
asym_sam_26_dd_correction_rms vs run

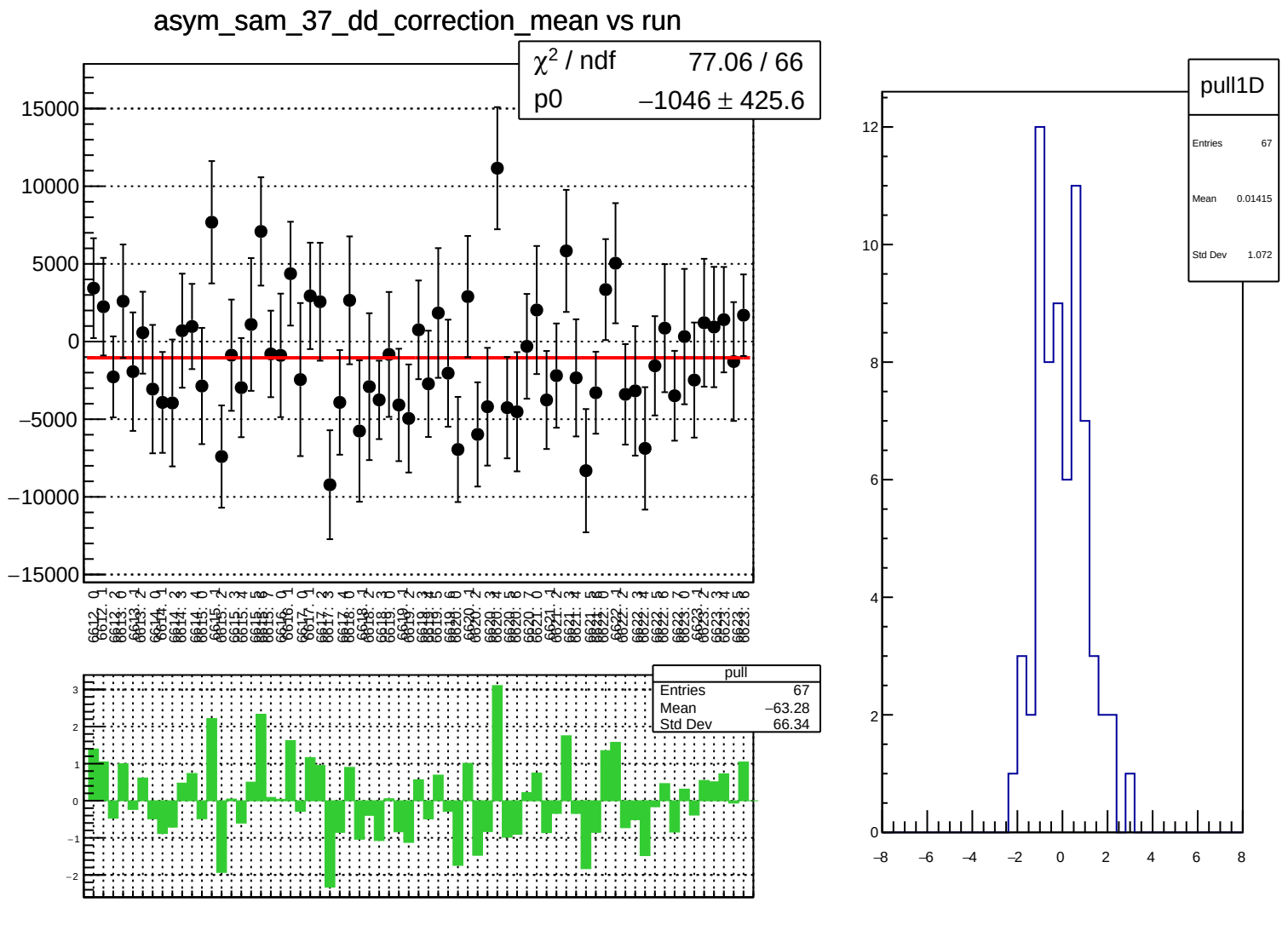


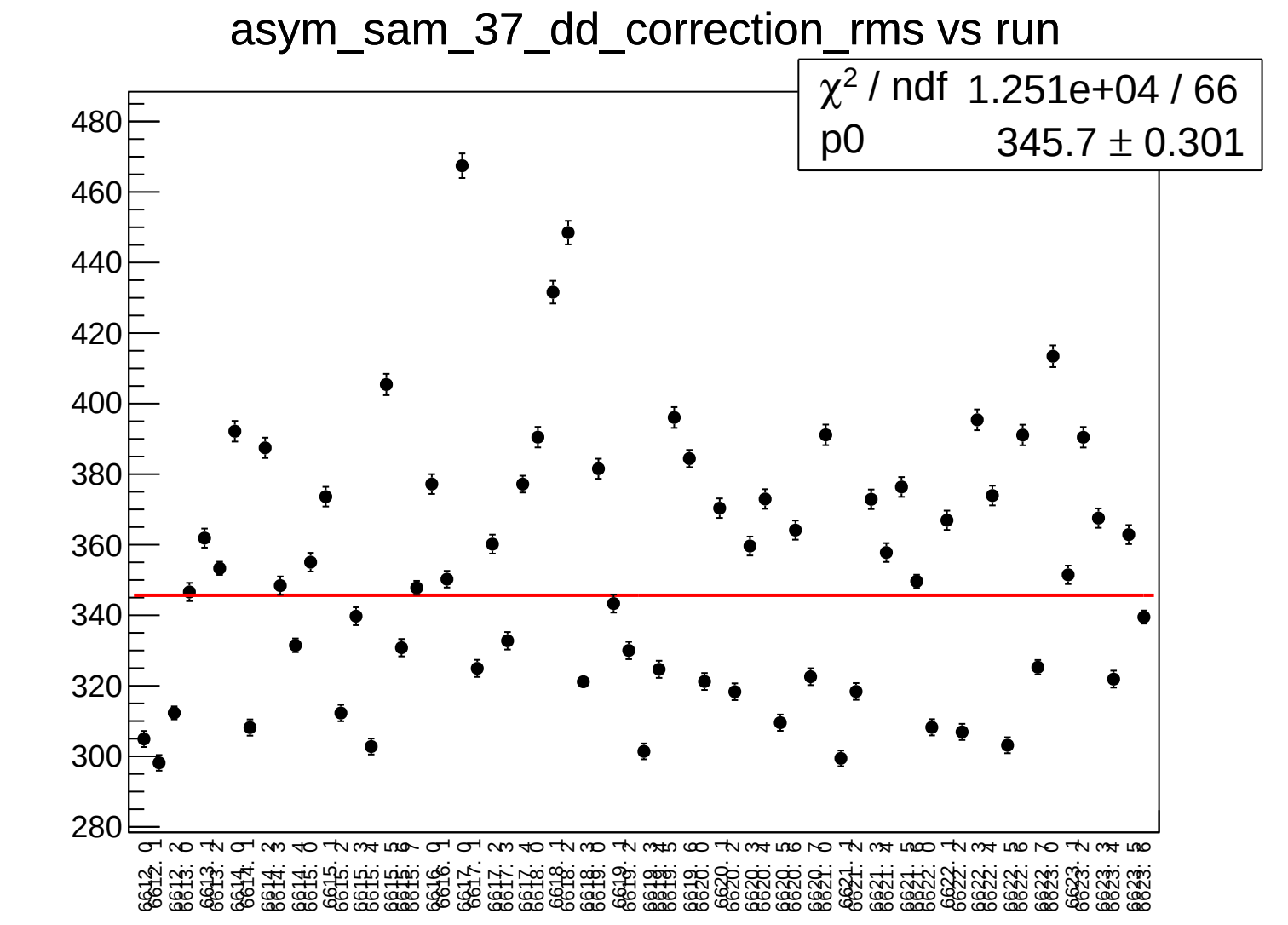

asym_sam_26_dd_mean vs run
χ² / ndf 72.56 / 66
p0 788.3 ± 1866
pull
Entries 67
Mean 236.4
Std Dev 205.8
pull1D
Entries 67
Mean 0.005485
Std Dev 1.041

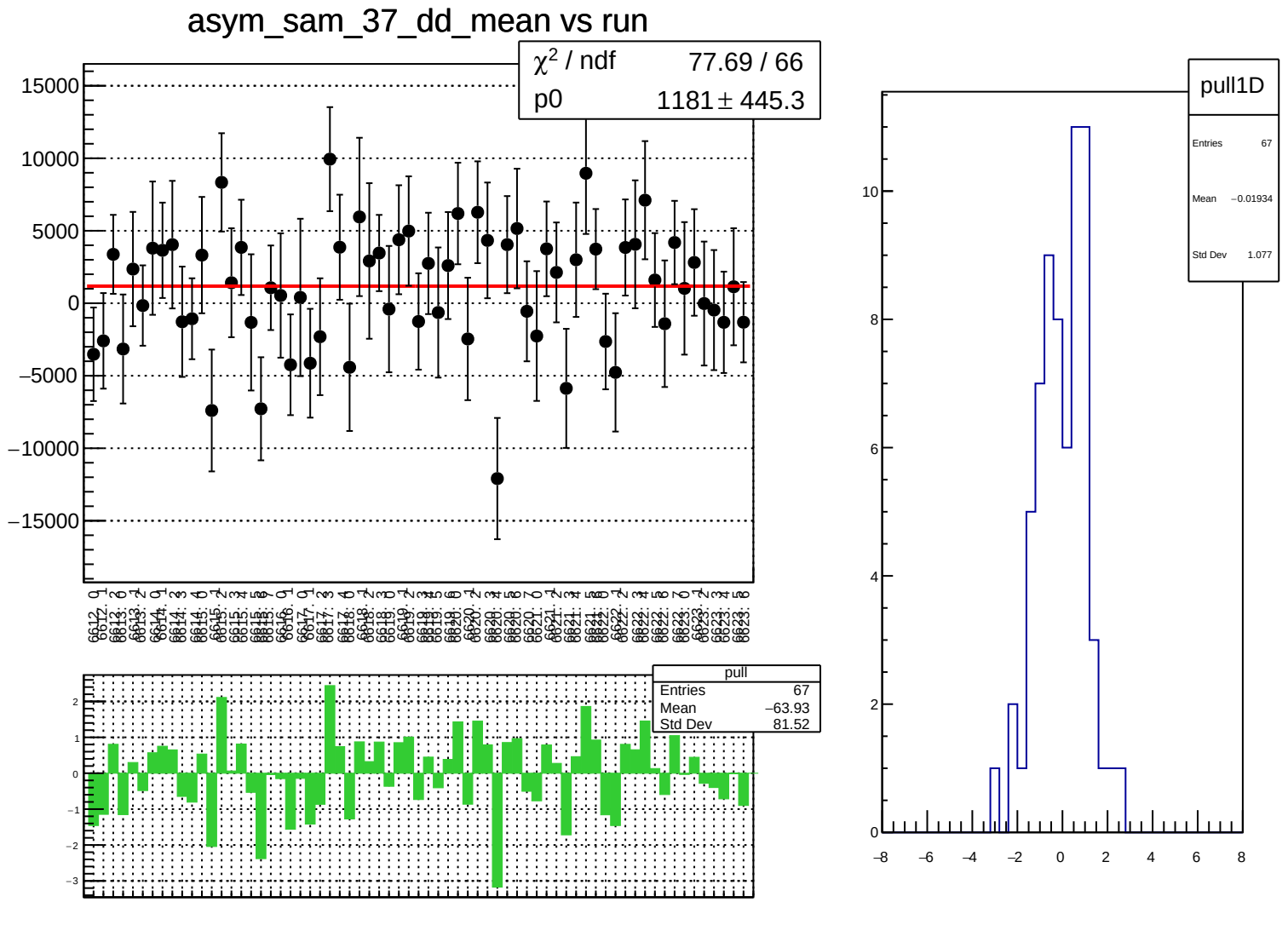

asym_sam_26_dd_rms vs run
χ² / ndf 7109 / 66
p0 1518 ± 1.319
2000
1900
1800
1700
1600
1500
1400
1300

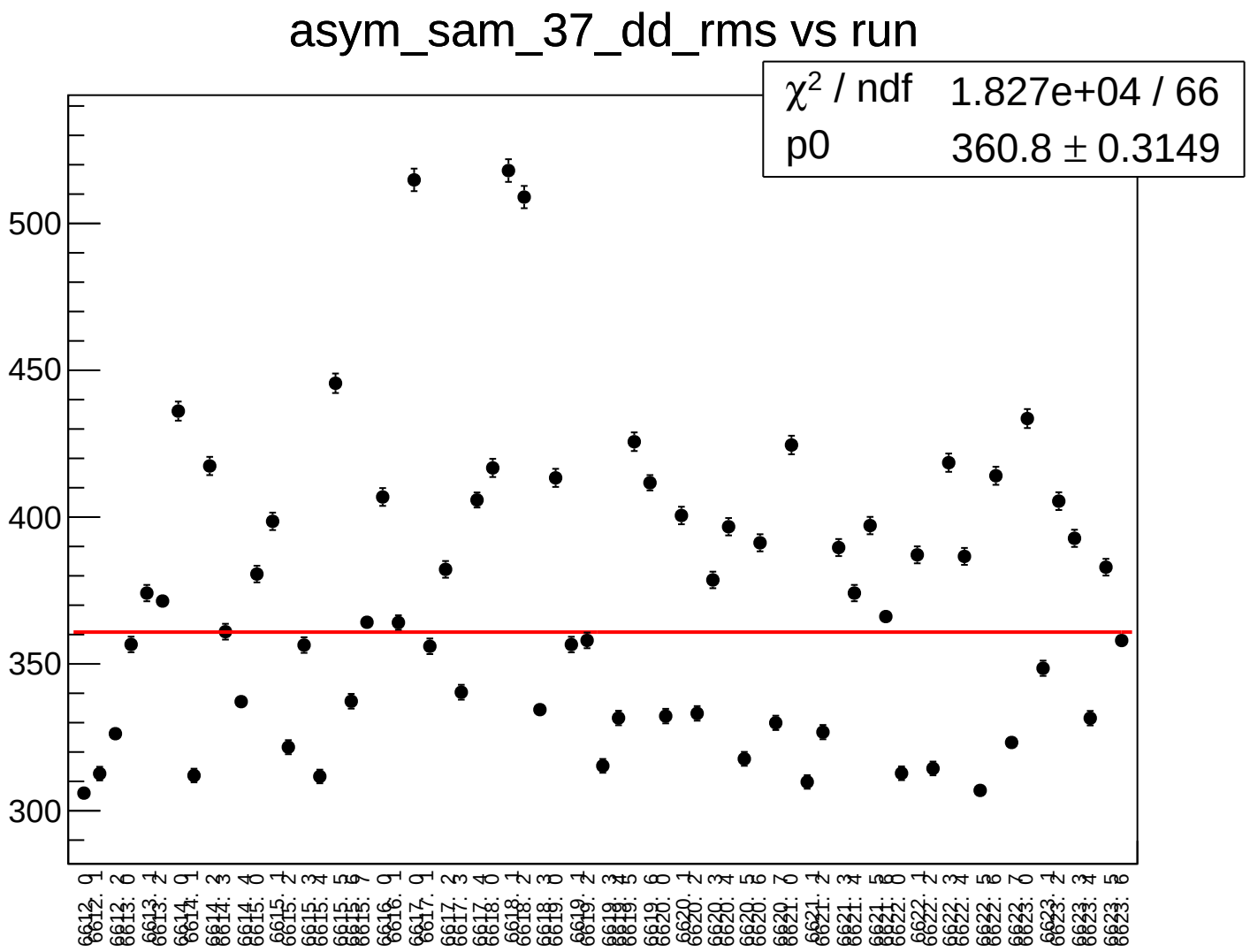

dit_asym_sam_37_dd_mean vs run
χ² / ndf 63.99 / 66
p0 142.5 ± 71.74
2000
1000
0
−1000
−2000
−3000
pull
Entries 67
Mean −52.01
Std Dev 97.42
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.03385
Std Dev 0.9767
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

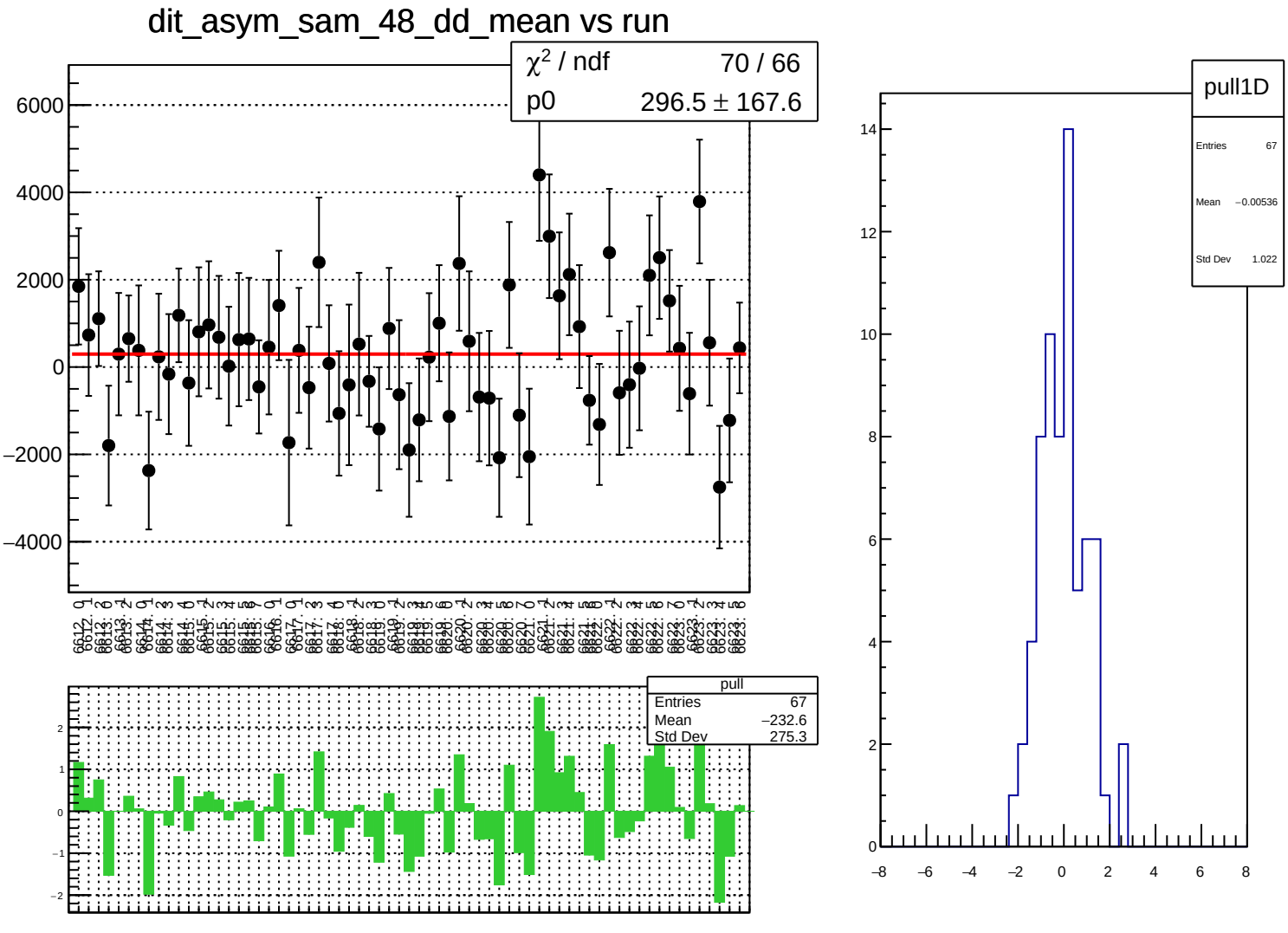

dit_asym_sam_37_dd_rms vs run
χ2 / ndf 3.849e+04 / 66
p0 57.68 ± 0.05073
140
120
100
80
60
40


asym_sam_37_dd_correction_mean vs run
χ² / ndf 77.06 / 66
p0 −1046 ± 425.6
pull
Entries 67
Mean −63.28
Std Dev 66.34
pull1D
Entries 67
Mean 0.01415
Std Dev 1.072

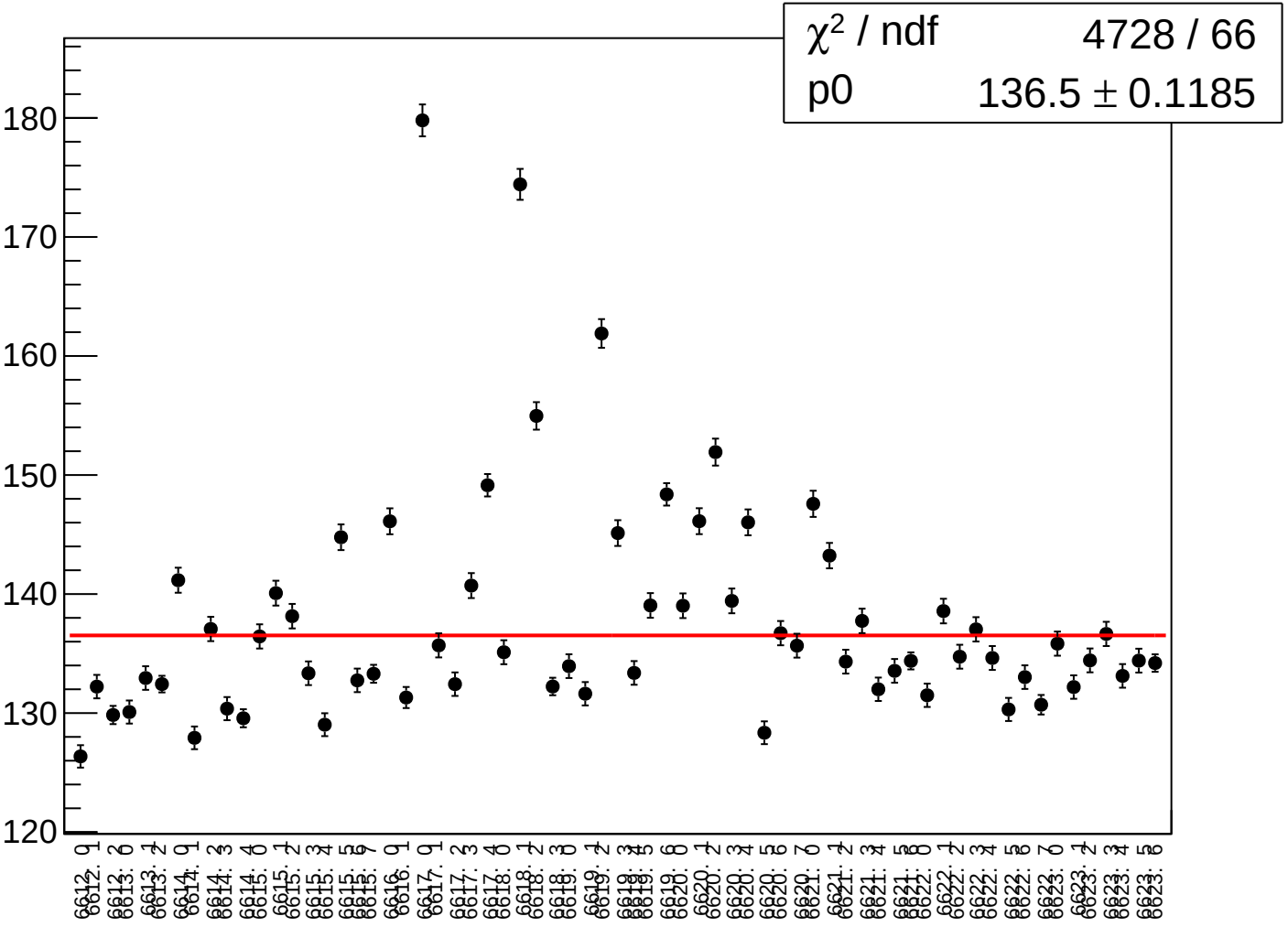

asym_sam_37_dd_correction_rms vs run
χ^2 / ndf 1.251e+04 / 66
p0 345.7 ± 0.301
480
460
440
420
400
380
360
340
320
300
280

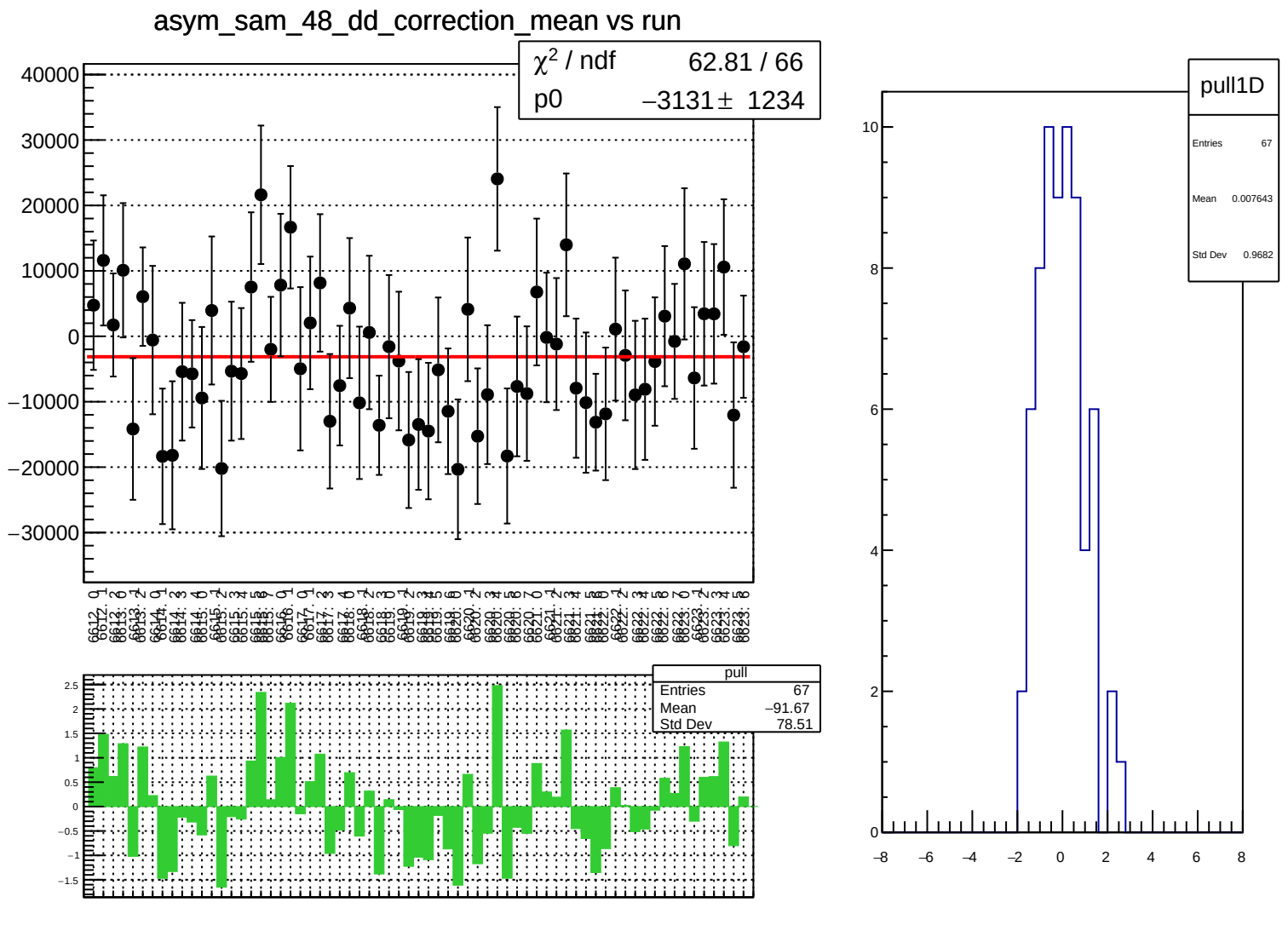

asym_sam_37_dd_mean vs run
χ² / ndf 77.69 / 66
p0 1181 ± 445.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean −63.93
Std Dev 81.52
2
1
0
−1
−2
−3
pull1D
Entries 67
Mean −0.01934
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

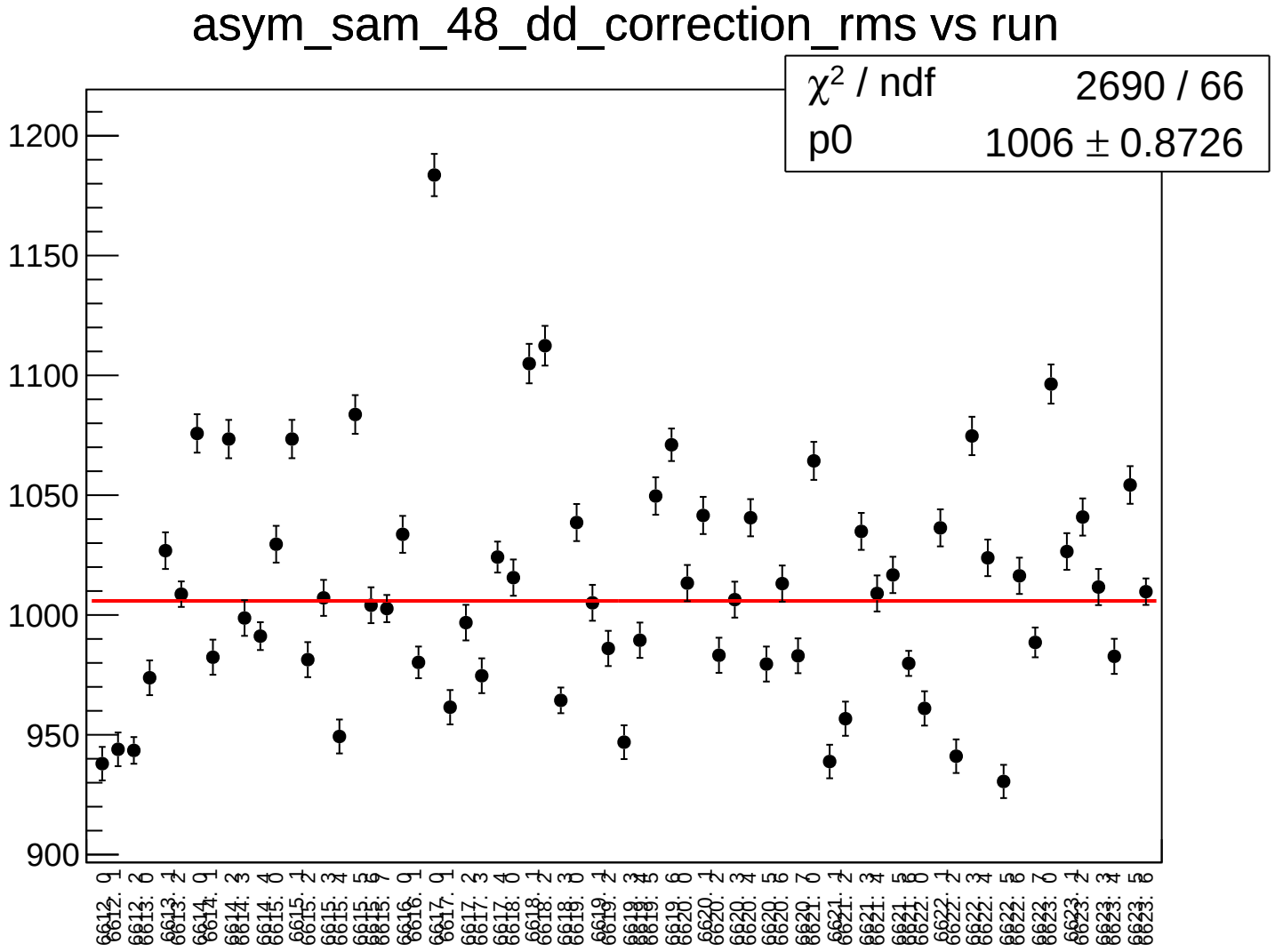

asym_sam_37_dd_rms vs run
χ^2 / ndf 1.827e+04 / 66
p0 360.8 ± 0.3149
500
450
400
350
300

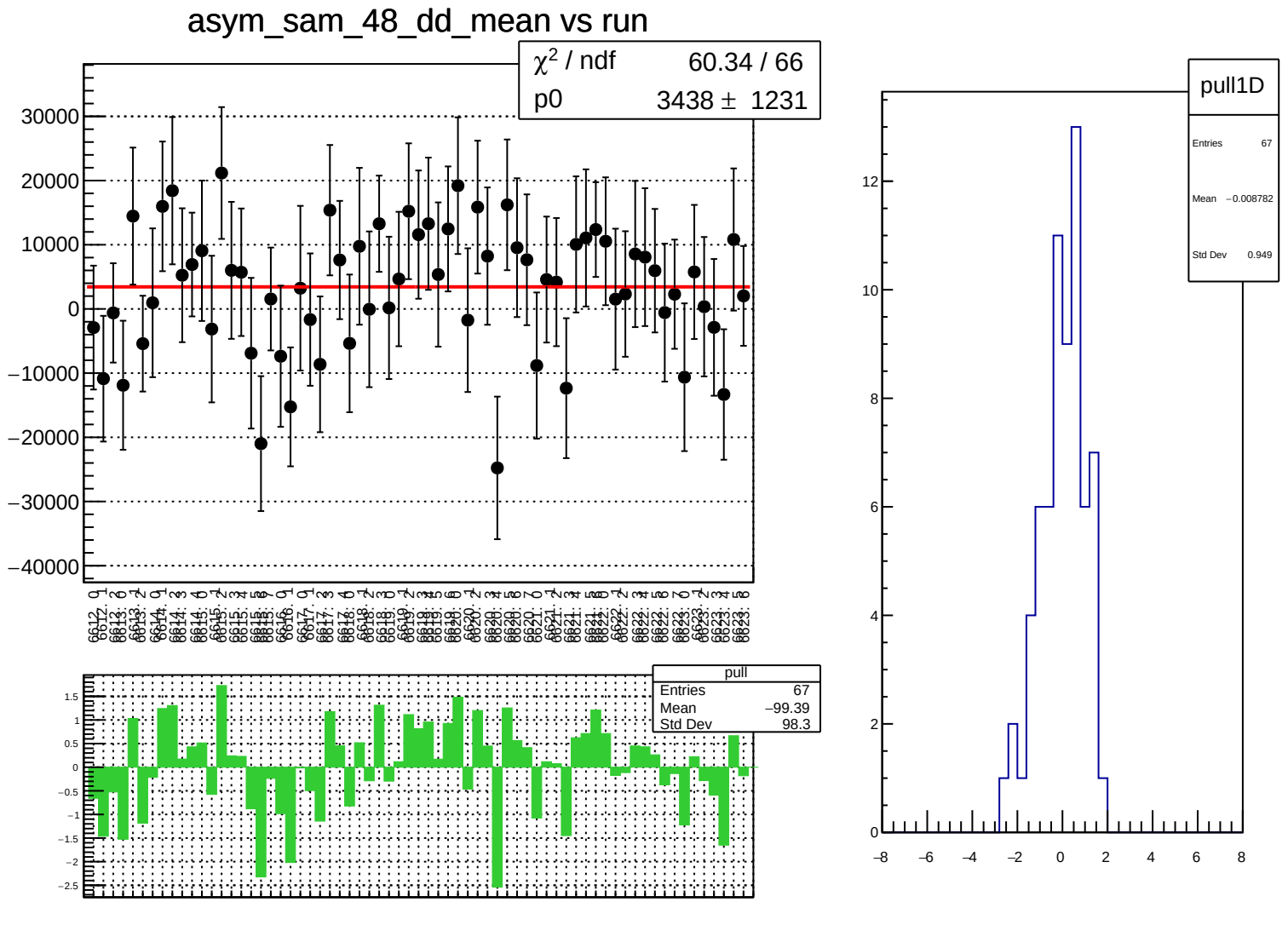

dit_asym_sam_48_dd_mean vs run
χ² / ndf 70 / 66
p0 296.5 ± 167.6
pull
Entries 67
Mean −232.6
Std Dev 275.3
pull1D
Entries 67
Mean −0.00536
Std Dev 1.022

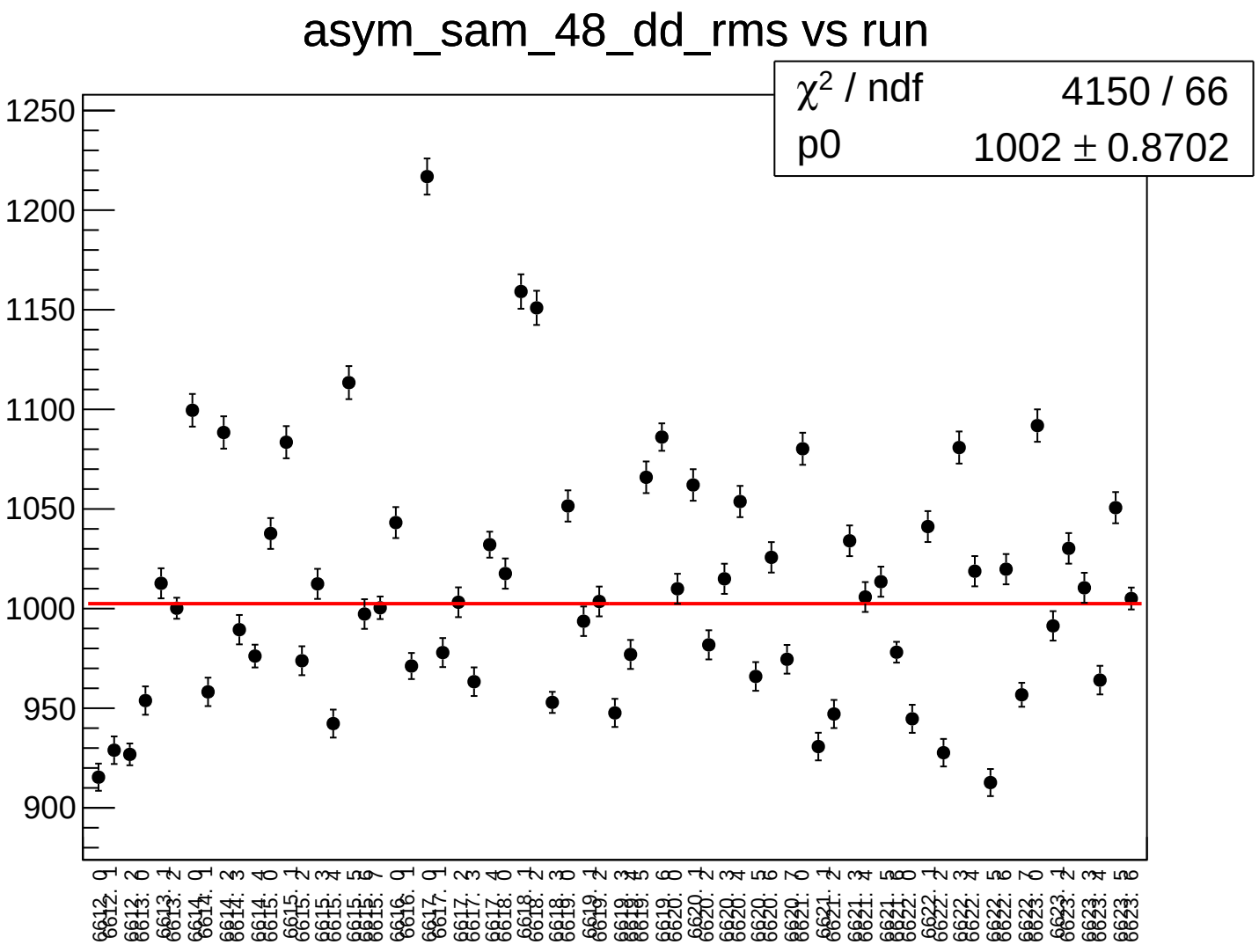
dit_asym_sam_48_dd_rms vs run

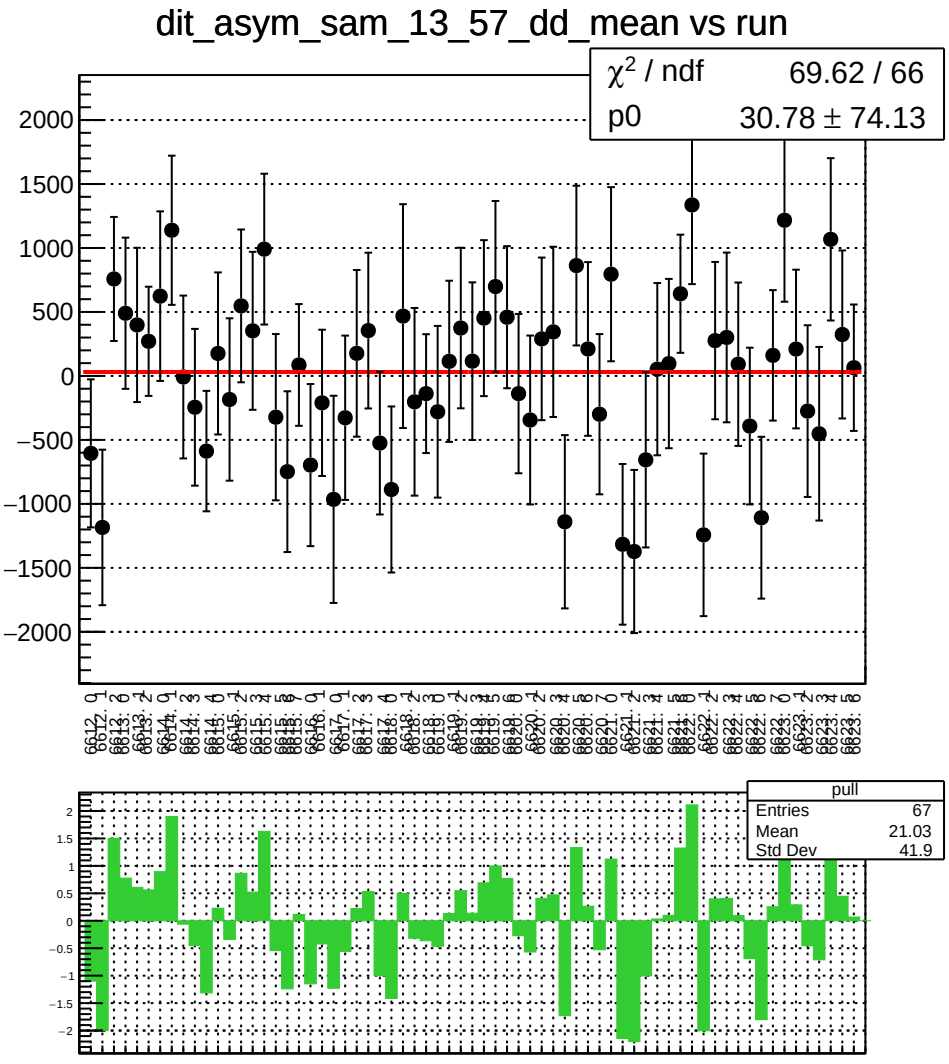


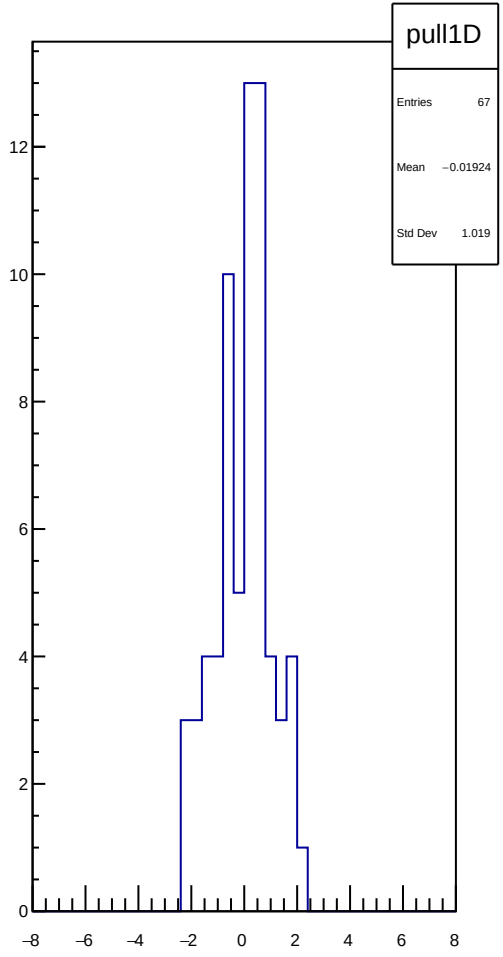

asym_sam_48_dd_correction_mean vs run
χ² / ndf 62.81 / 66
p0 −3131 ± 1234
pull
Entries 67
Mean −91.67
Std Dev 78.51
pull1D
Entries 67
Mean 0.007643
Std Dev 0.9682


asym_sam_48_dd_correction_rms vs run
χ² / ndf 2690 / 66
p0 1006 ± 0.8726
1200
1150
1100
1050
1000
950
900

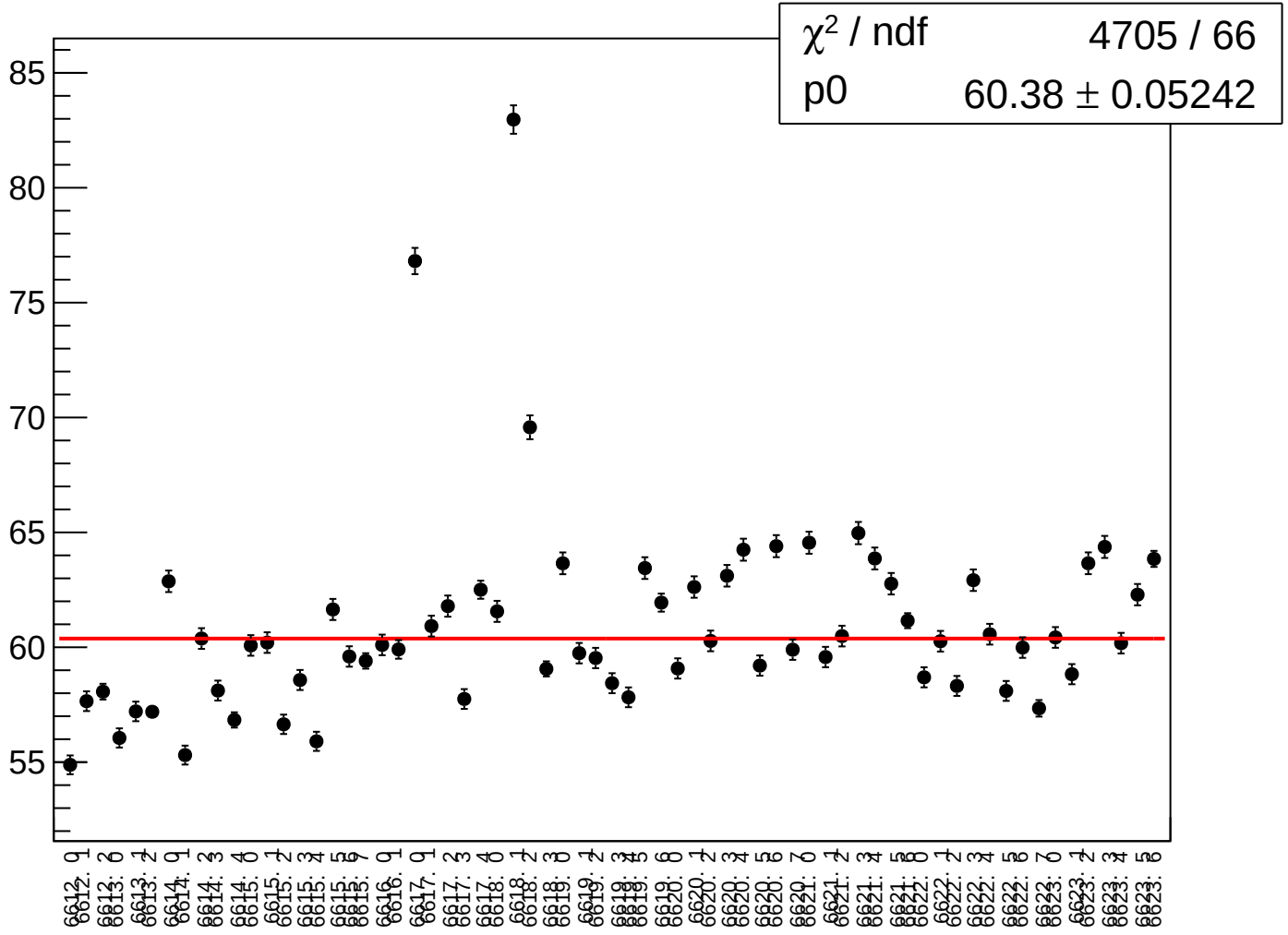

asym_sam_48_dd_mean vs run
χ² / ndf 60.34 / 66
p0 3438 ± 1231
pull
Entries 67
Mean −99.39
Std Dev 98.3
pull1D
Entries 67
Mean −0.008782
Std Dev 0.949

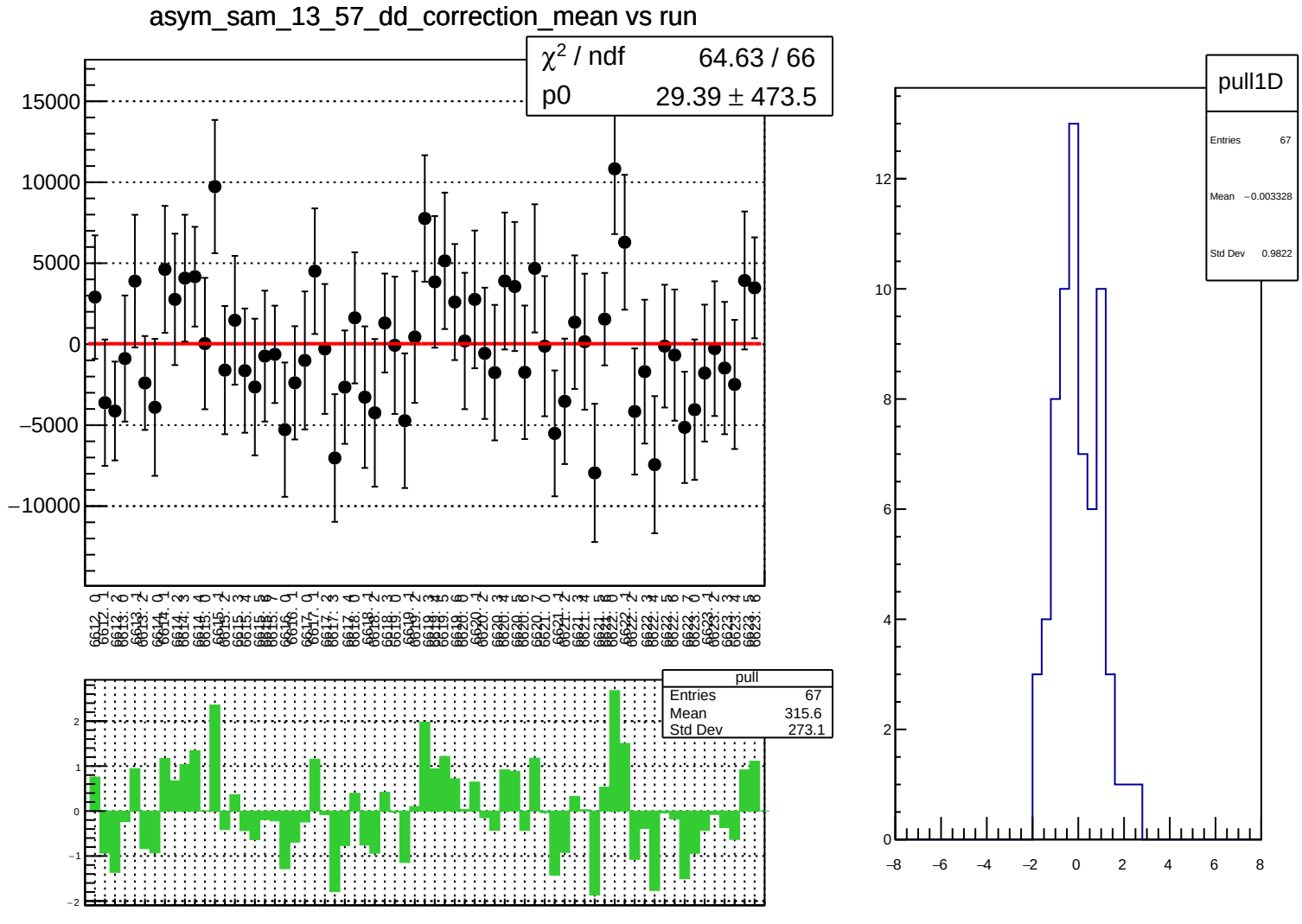

asym_sam_48_dd_rms vs run
χ² / ndf 4150 / 66
p0 1002 ± 0.8702
1250
1200
1150
1100
1050
1000
950
900

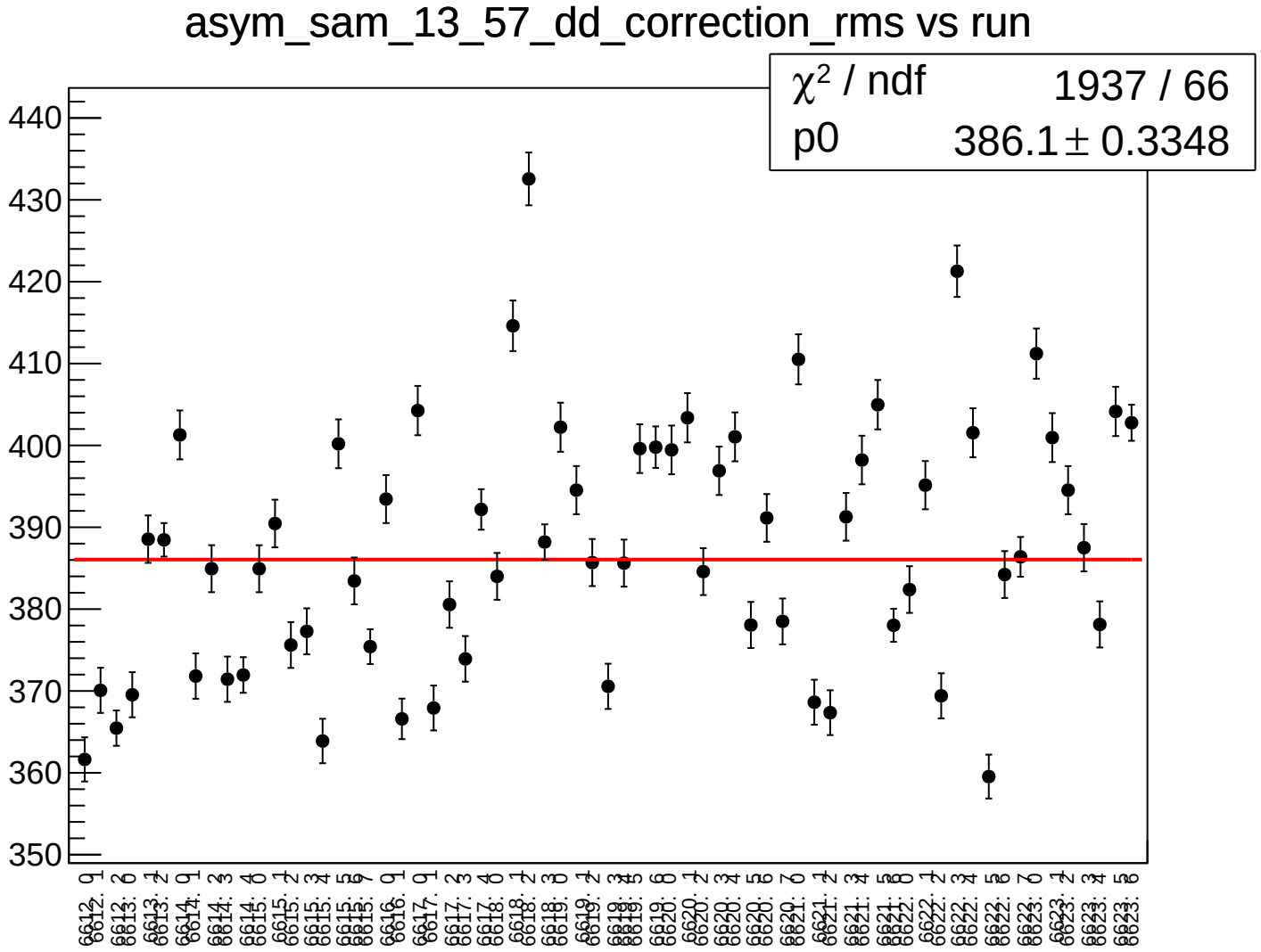

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 69.62 / 66
p0 30.78 ± 74.13
pull
Entries 67
Mean 21.03
Std Dev 41.9

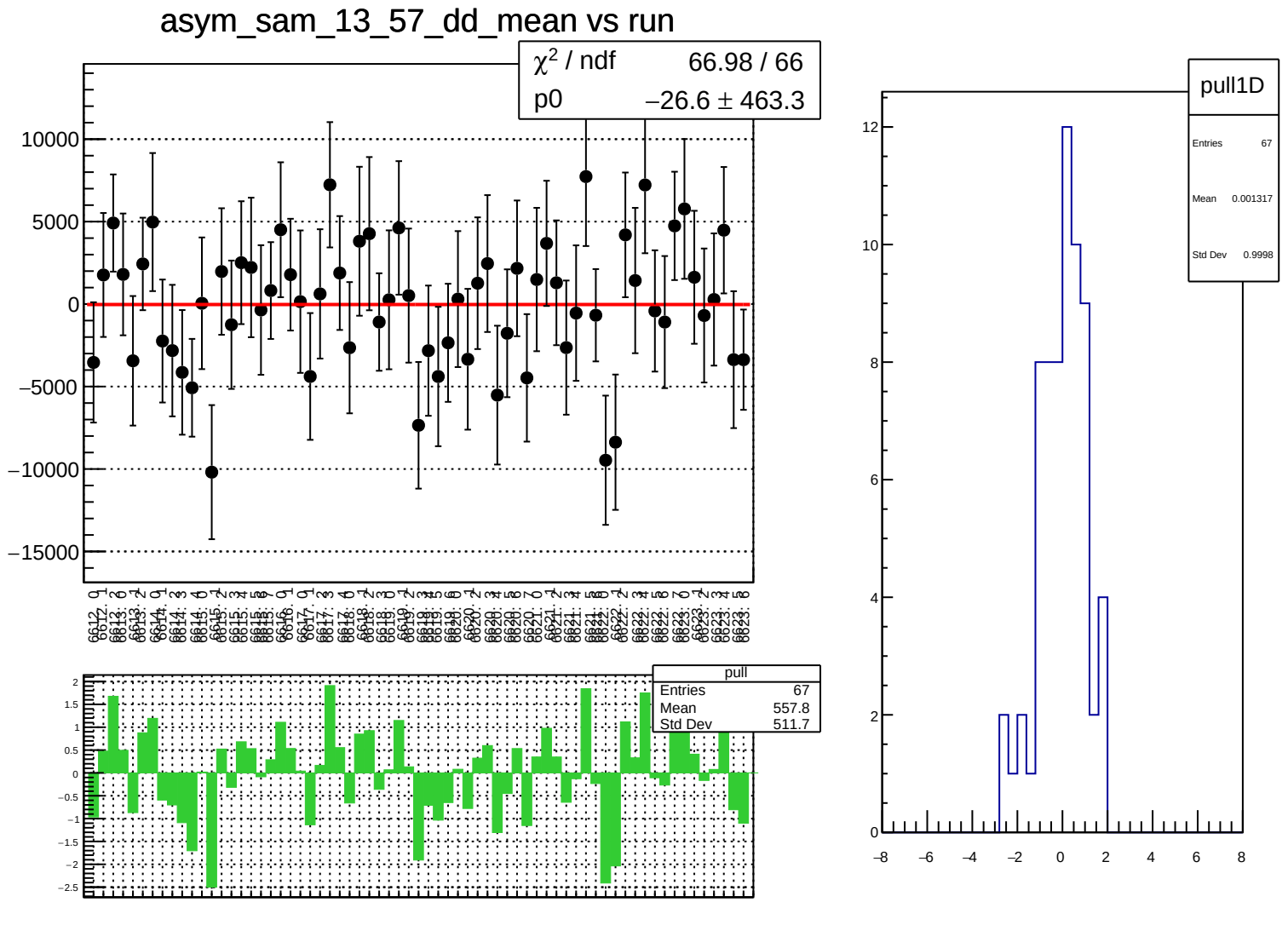

pull1D
Entries 67
Mean −0.01924
Std Dev 1.019

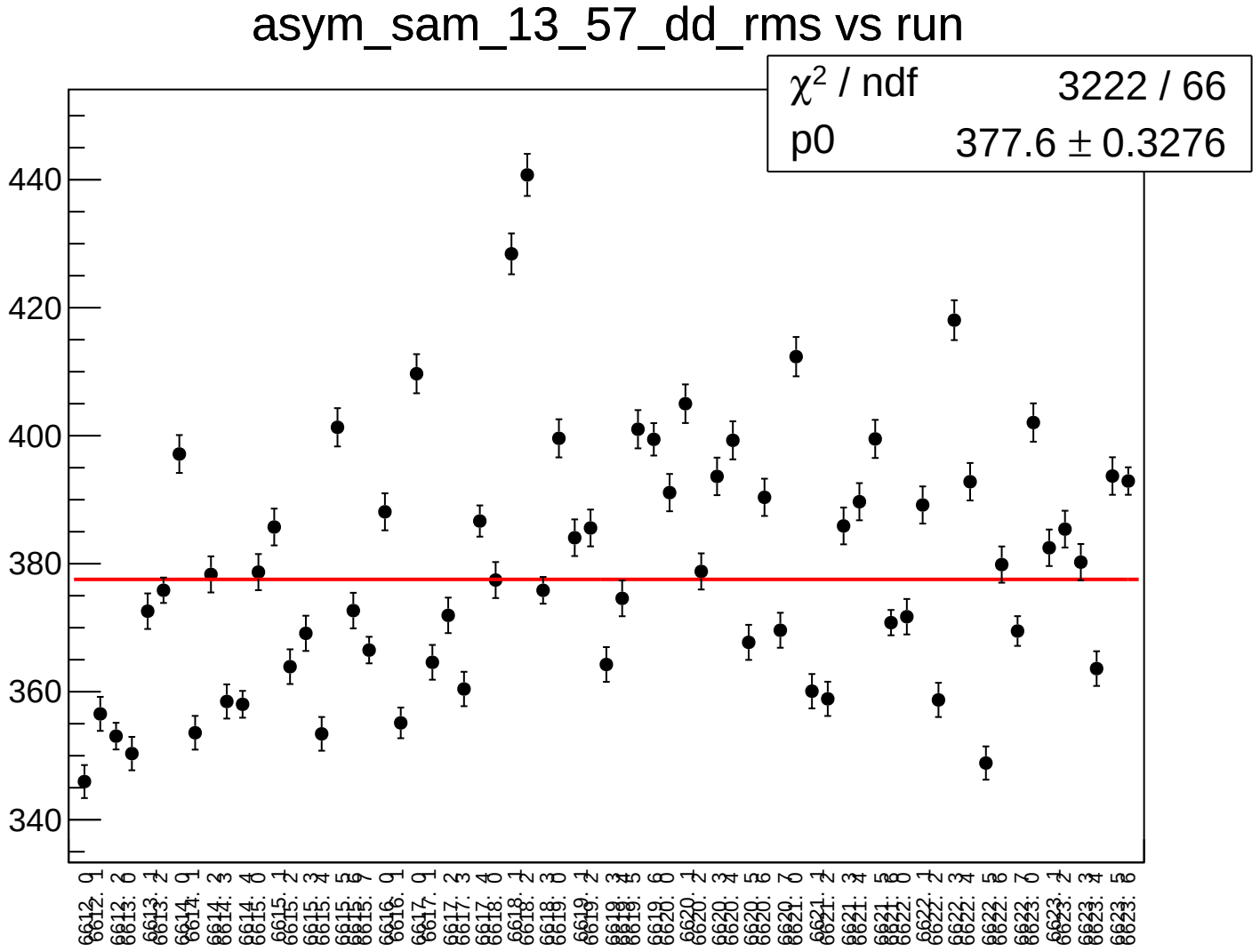
dit_asym_sam_13_57_dd_rms vs run

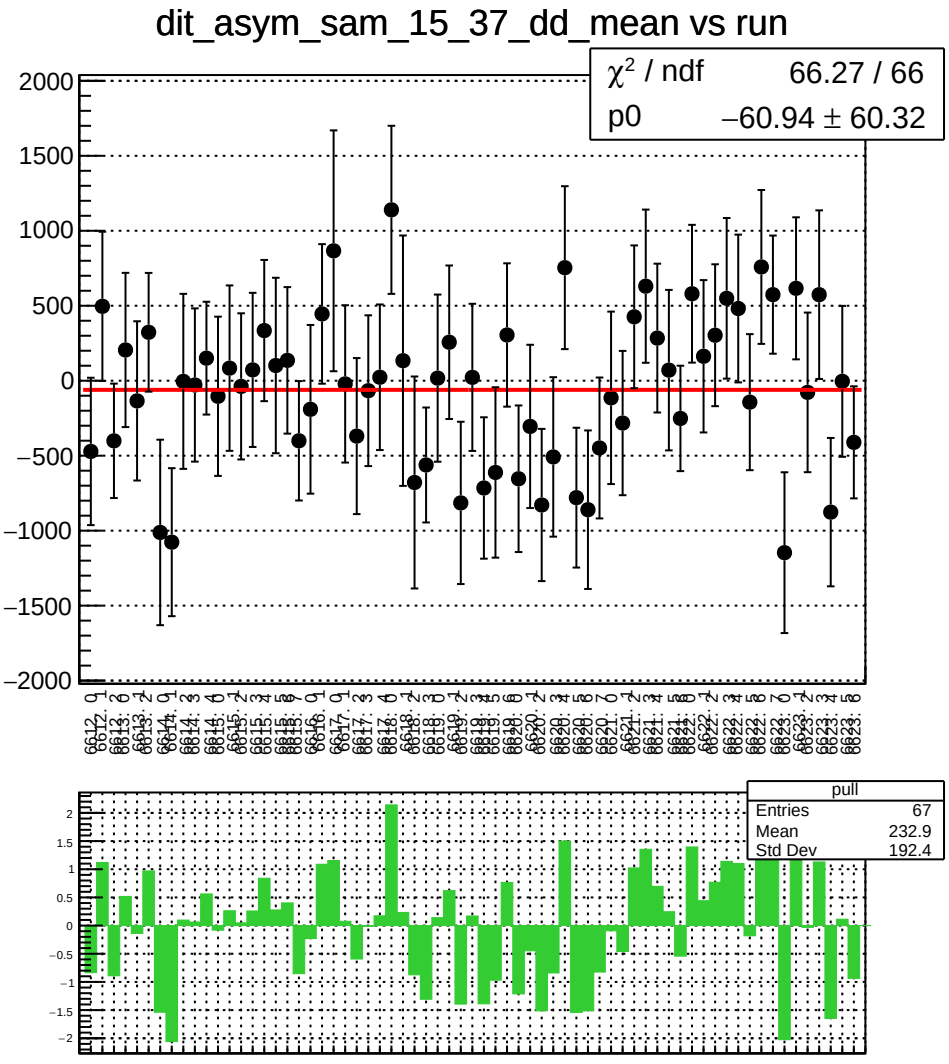


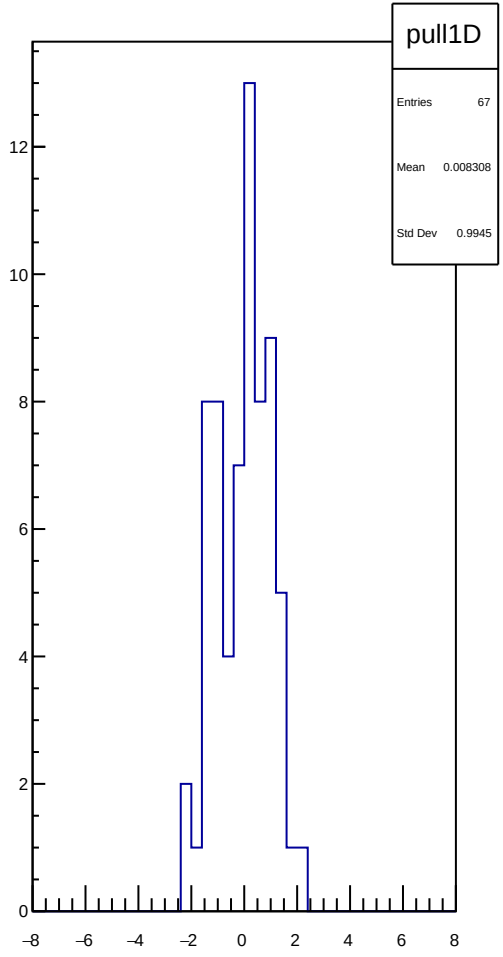

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 64.63 / 66
p0 29.39 ± 473.5
pull
Entries 67
Mean 315.6
Std Dev 273.1
pull1D
Entries 67
Mean −0.003328
Std Dev 0.9822


asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 1937 / 66
p0 386.1 ± 0.3348
440
430
420
410
400
390
380
370
360
350

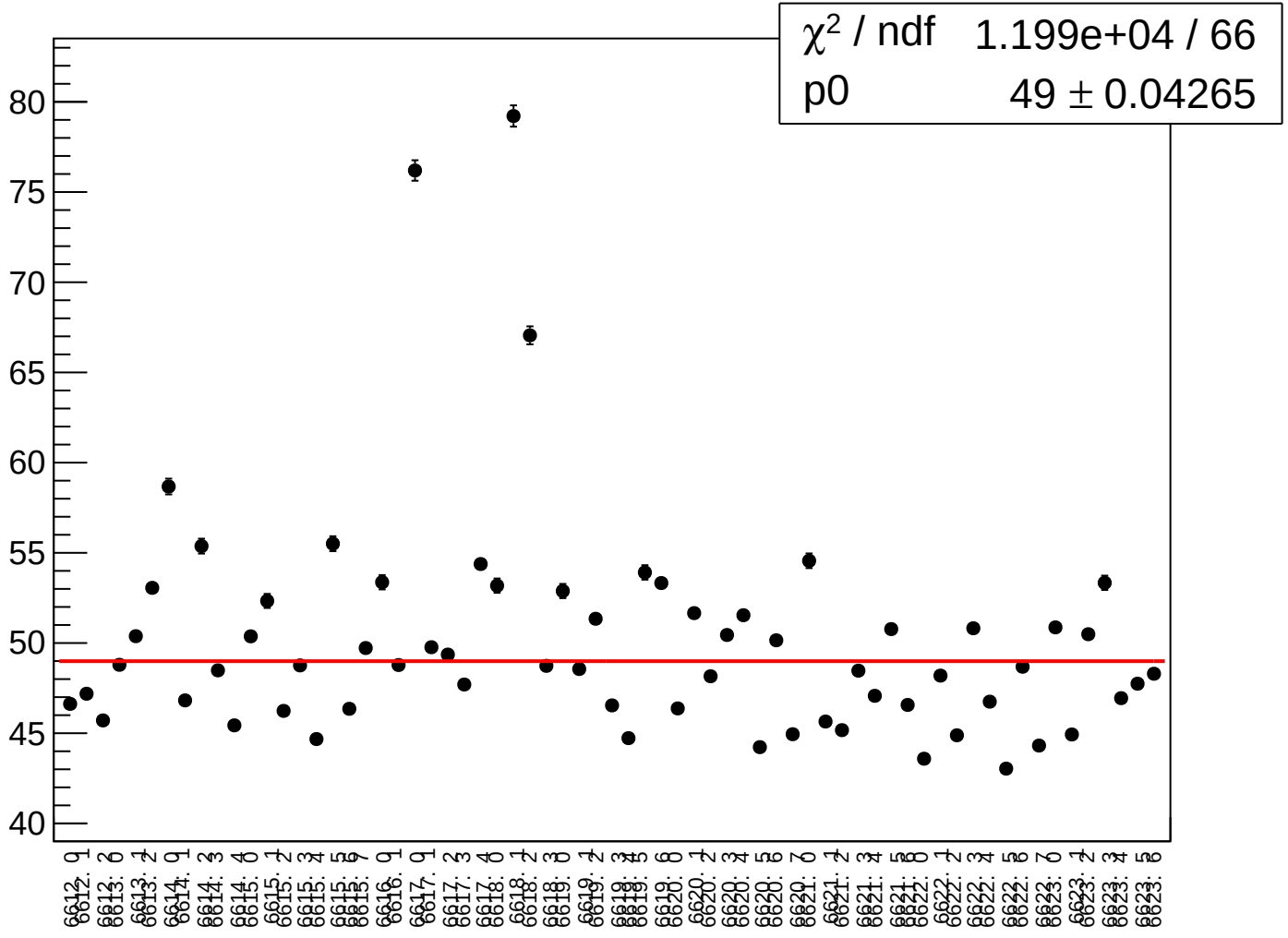

asym_sam_13_57_dd_mean vs run
χ² / ndf 66.98 / 66
p0 −26.6 ± 463.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 557.8
Std Dev 511.7
pull1D
Entries 67
Mean 0.001317
Std Dev 0.9998

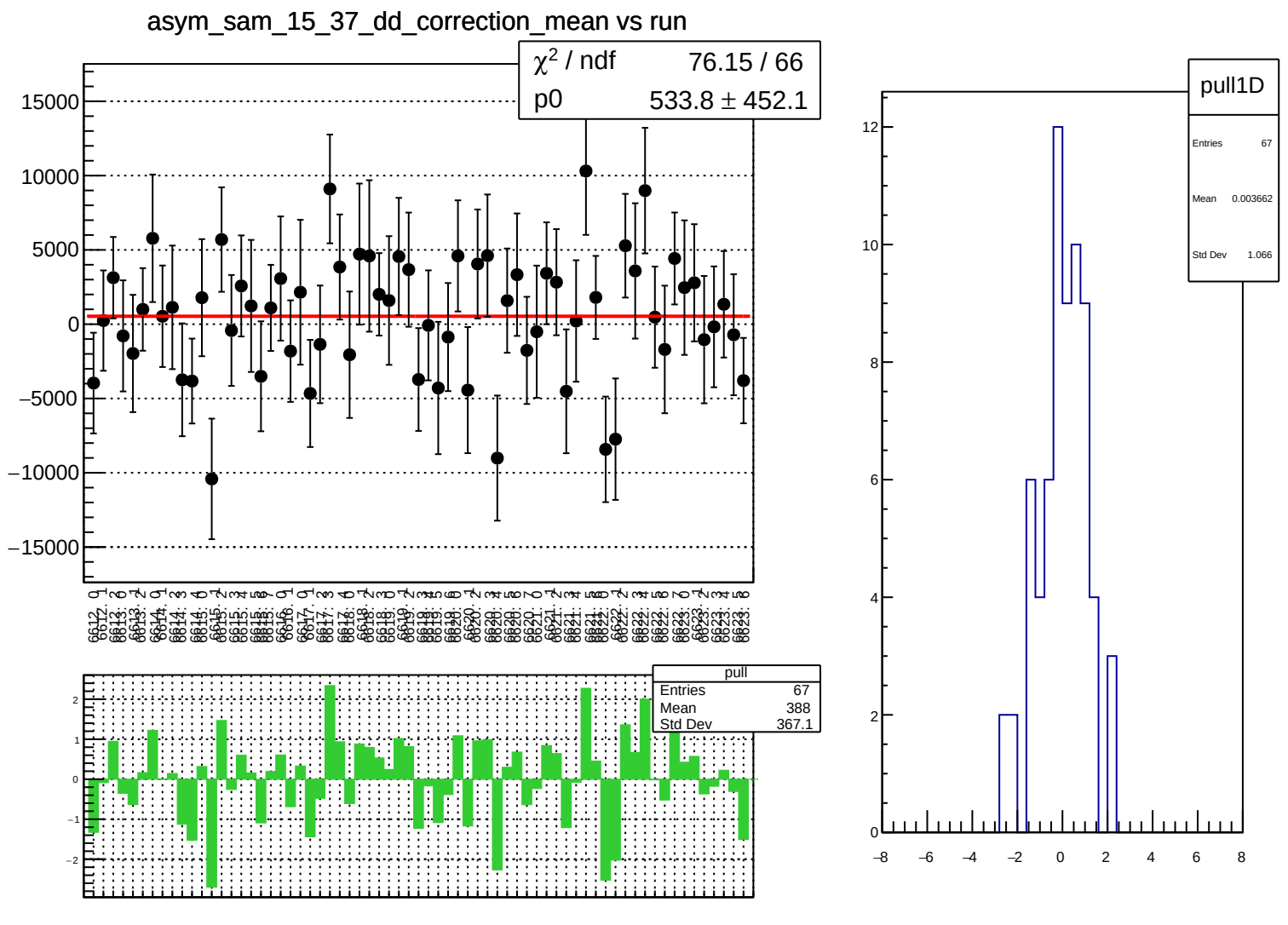

asym_sam_13_57_dd_rms vs run
χ^2 / ndf 3222 / 66
p0 377.6 ± 0.3276
440
420
400
380
360
340


dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 66.27 / 66
p0 −60.94 ± 60.32
pull
Entries 67
Mean 232.9
Std Dev 192.4

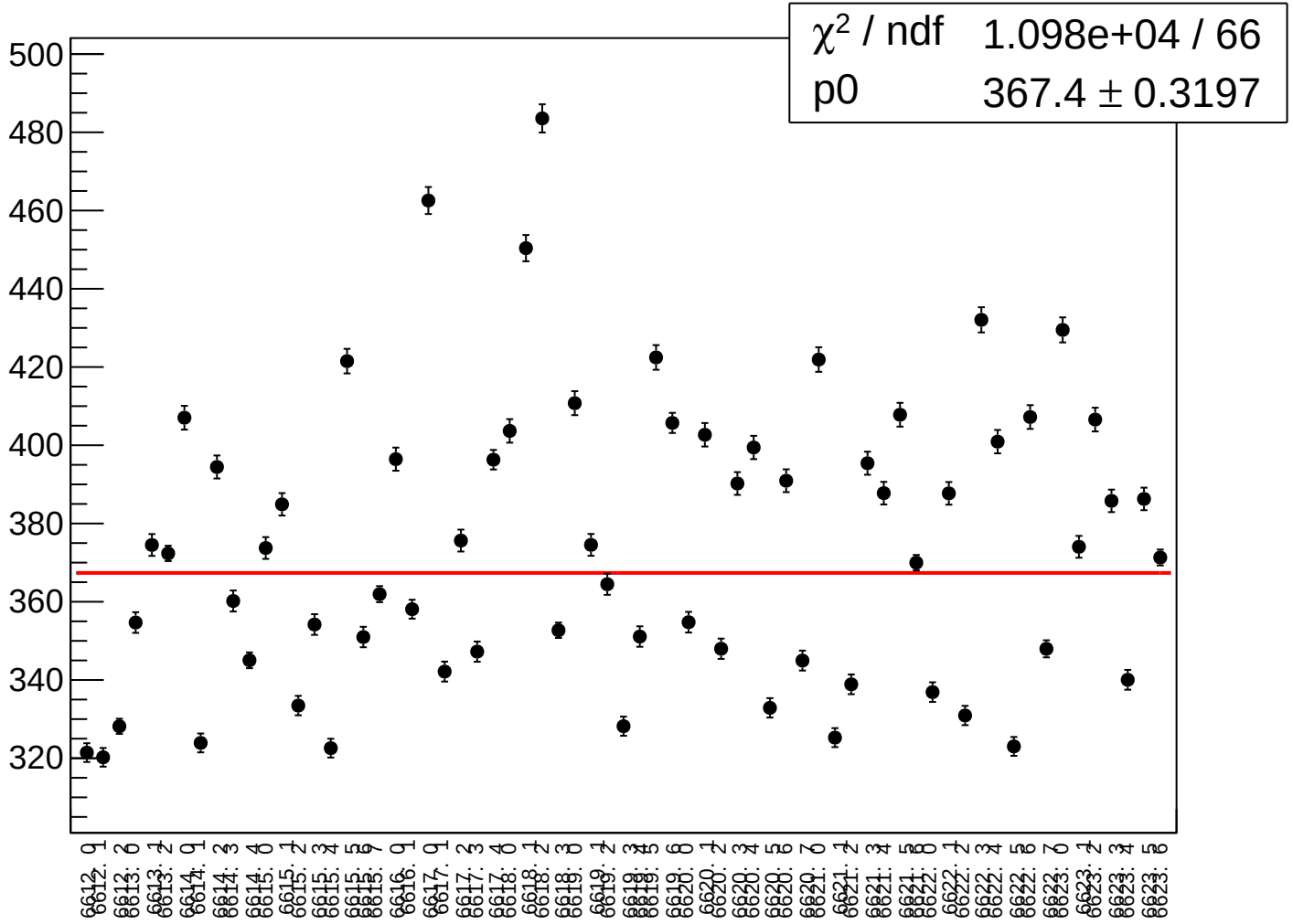

pull1D
Entries 67
Mean 0.008308
Std Dev 0.9945

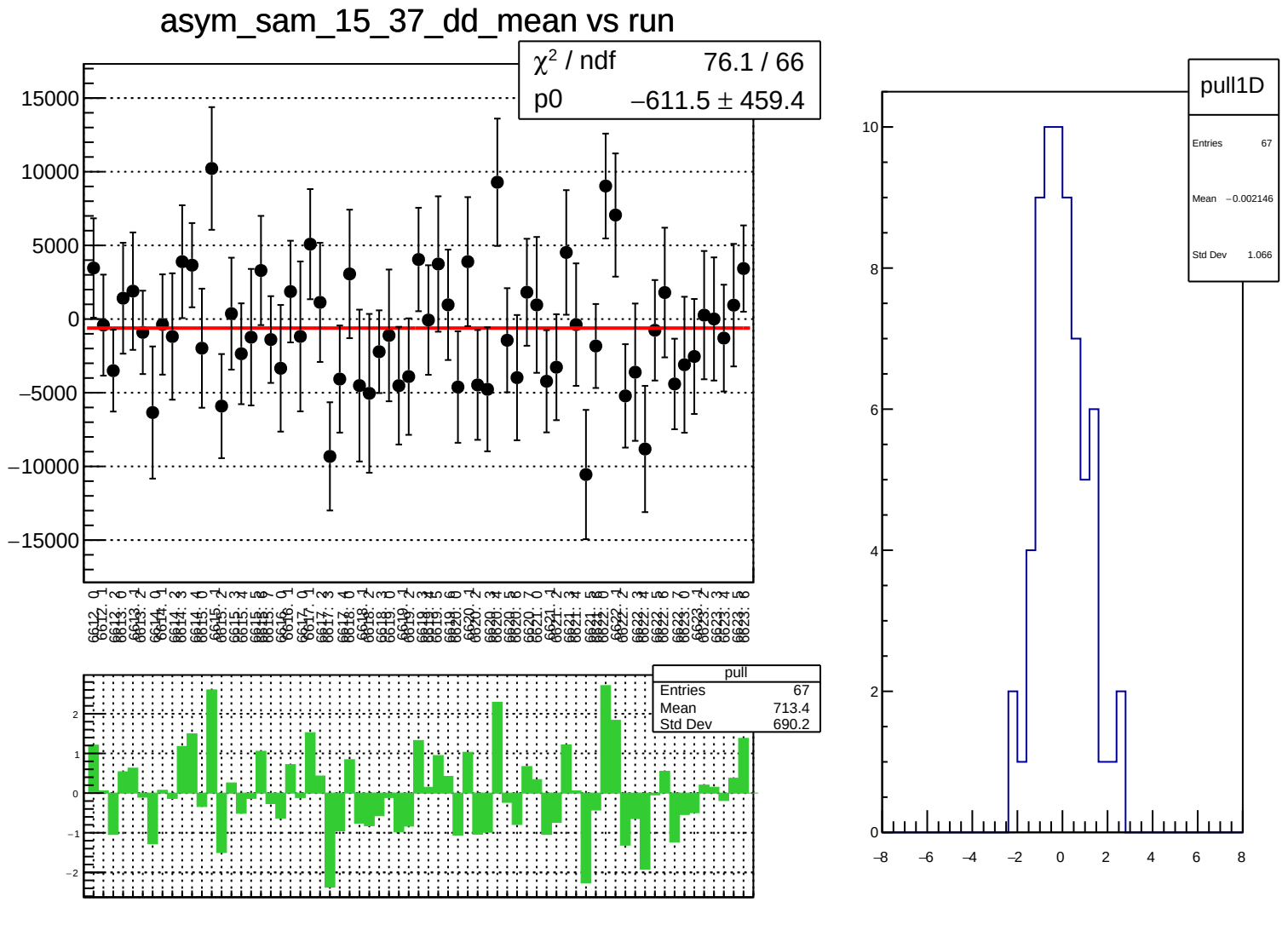
dit_asym_sam_15_37_dd_rms vs run

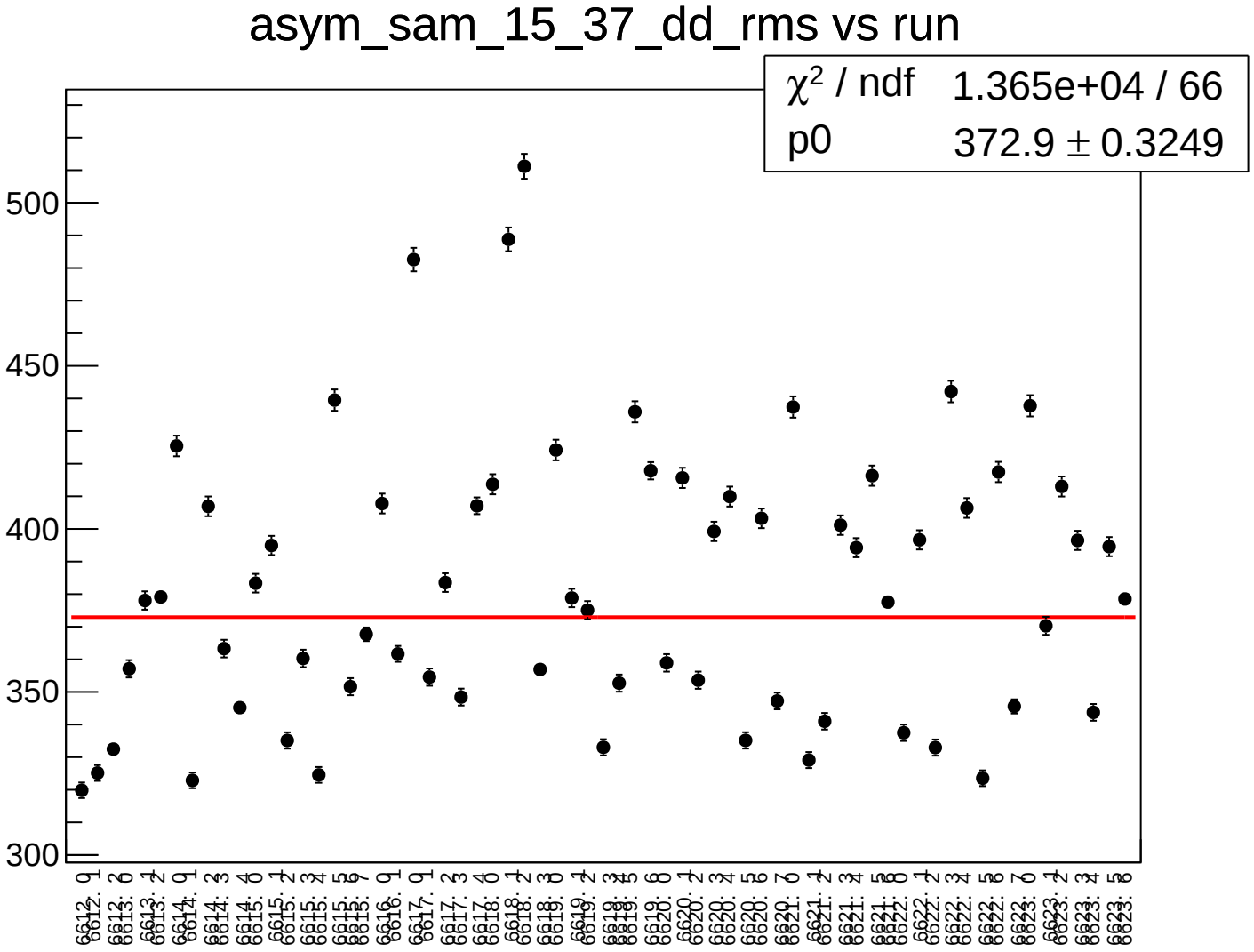


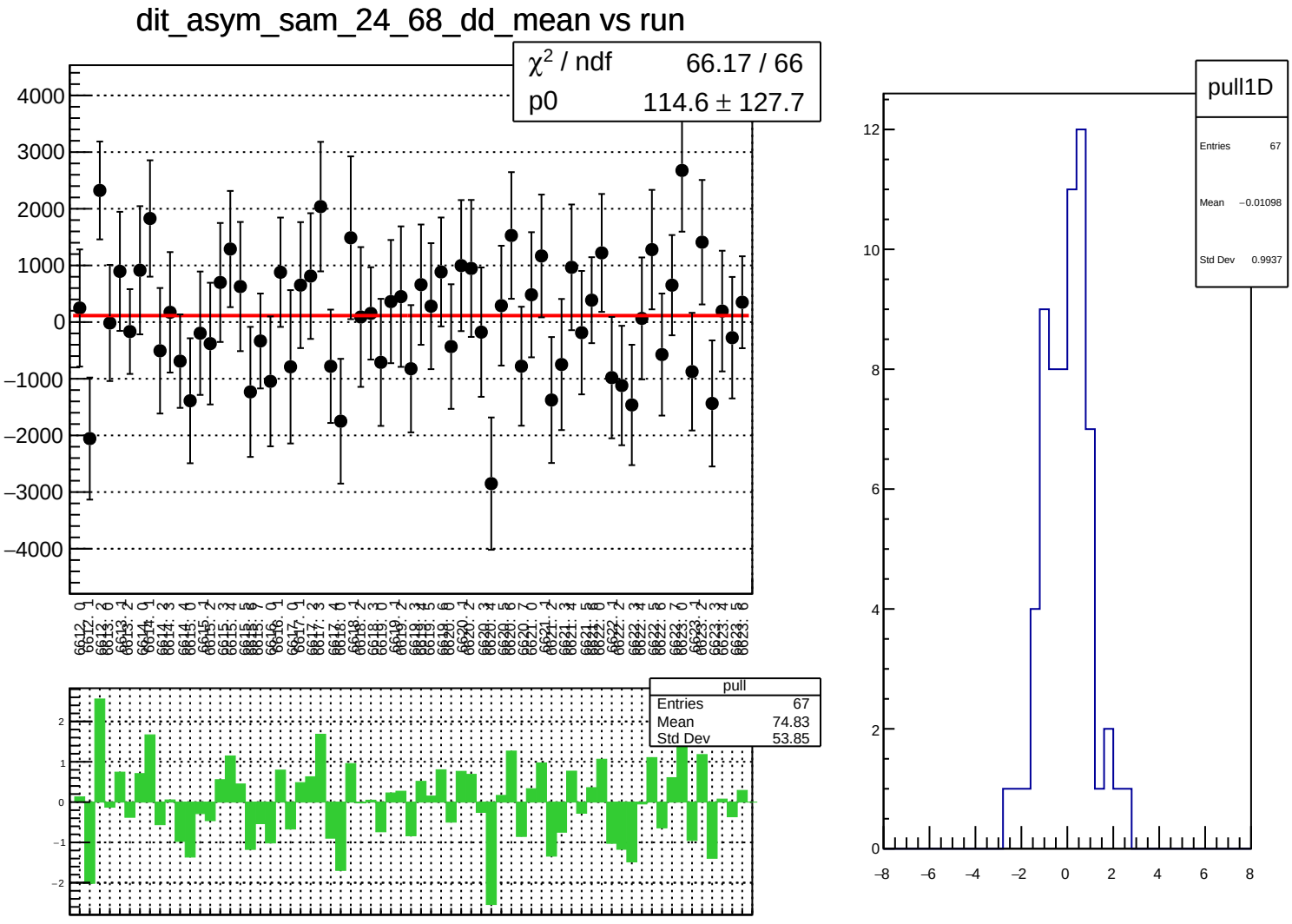

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 76.15 / 66
p0 533.8 ± 452.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 388
Std Dev 367.1
pull1D
Entries 67
Mean 0.003662
Std Dev 1.066

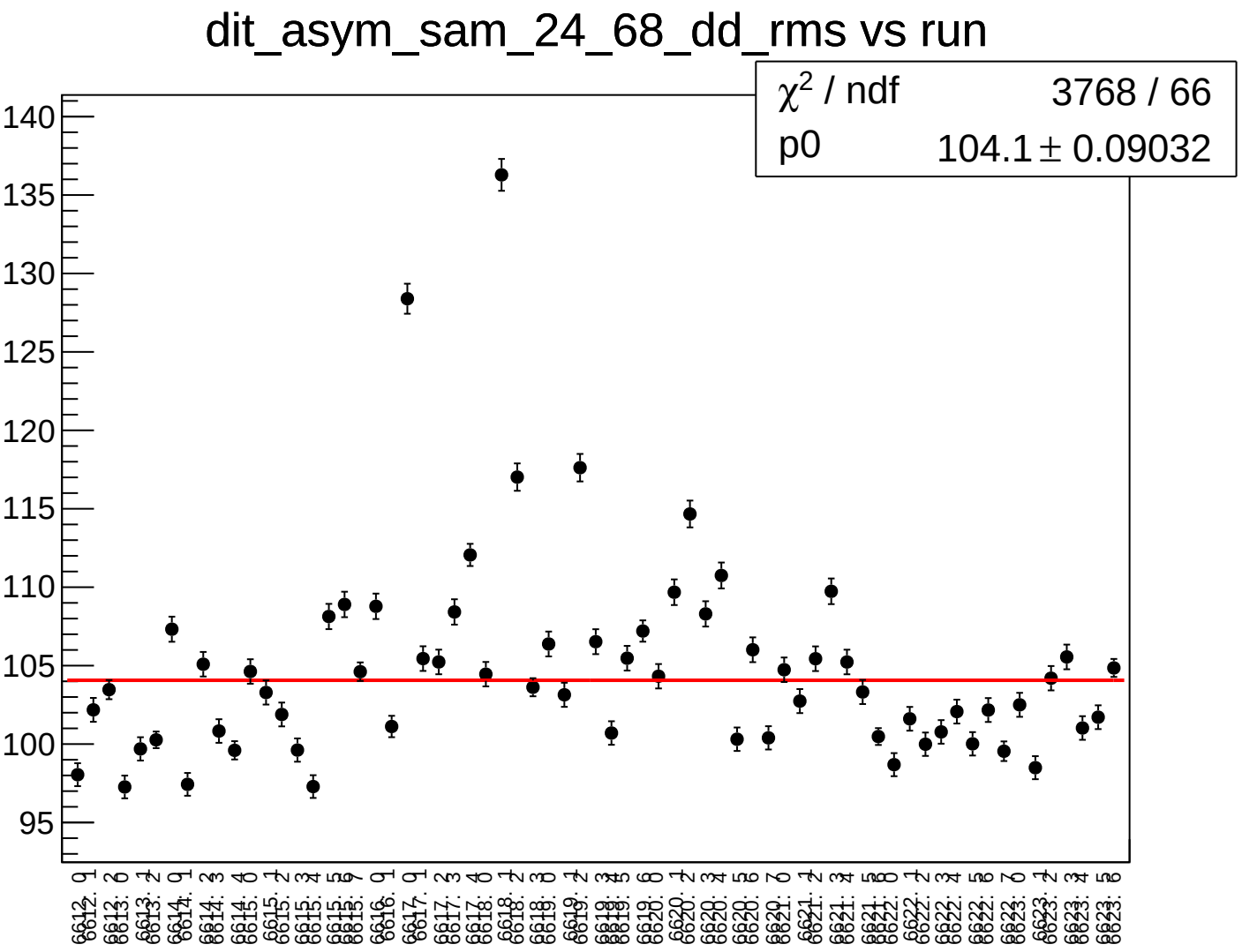
asym_sam_15_37_dd_correction_rms vs run

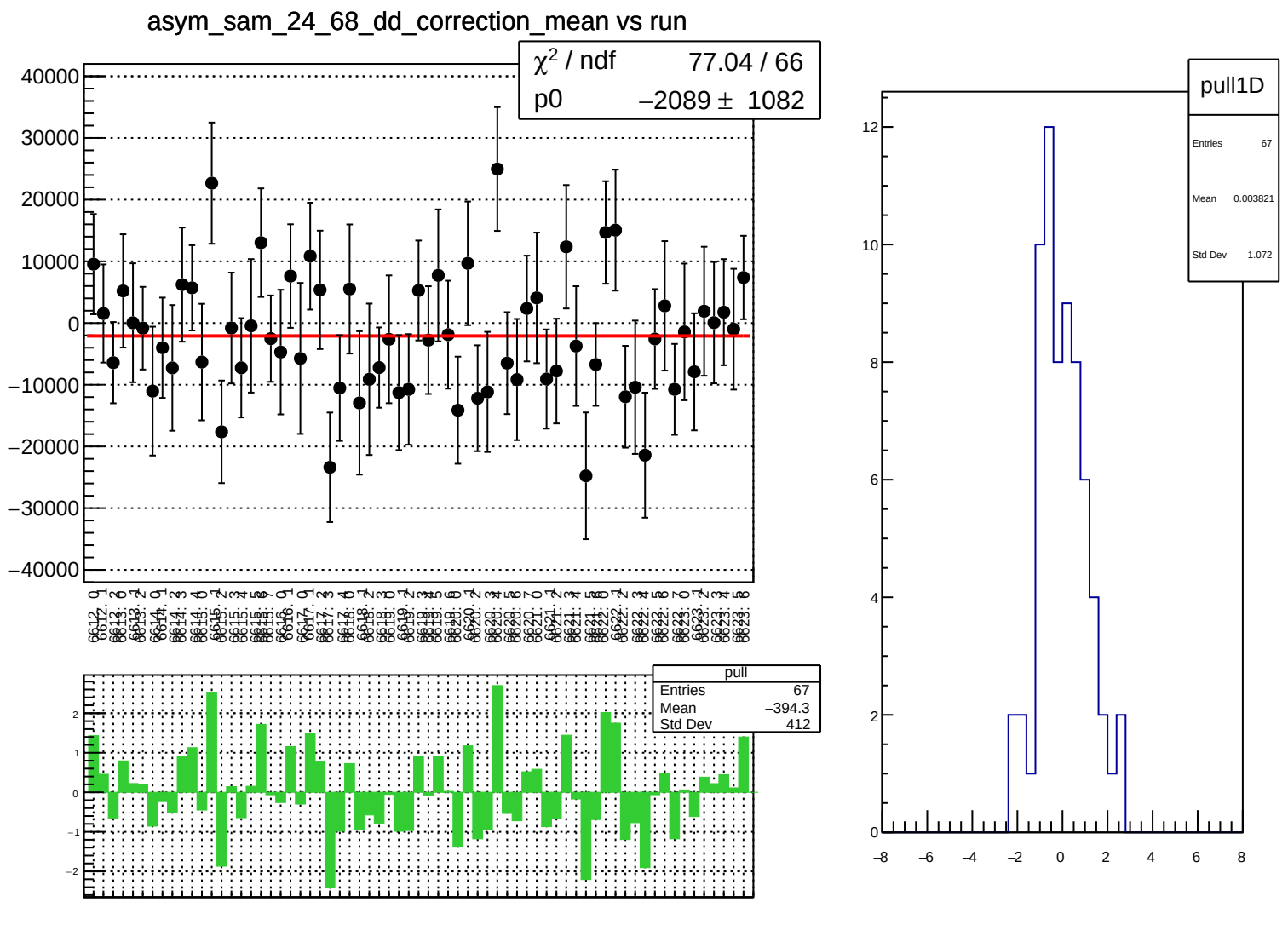


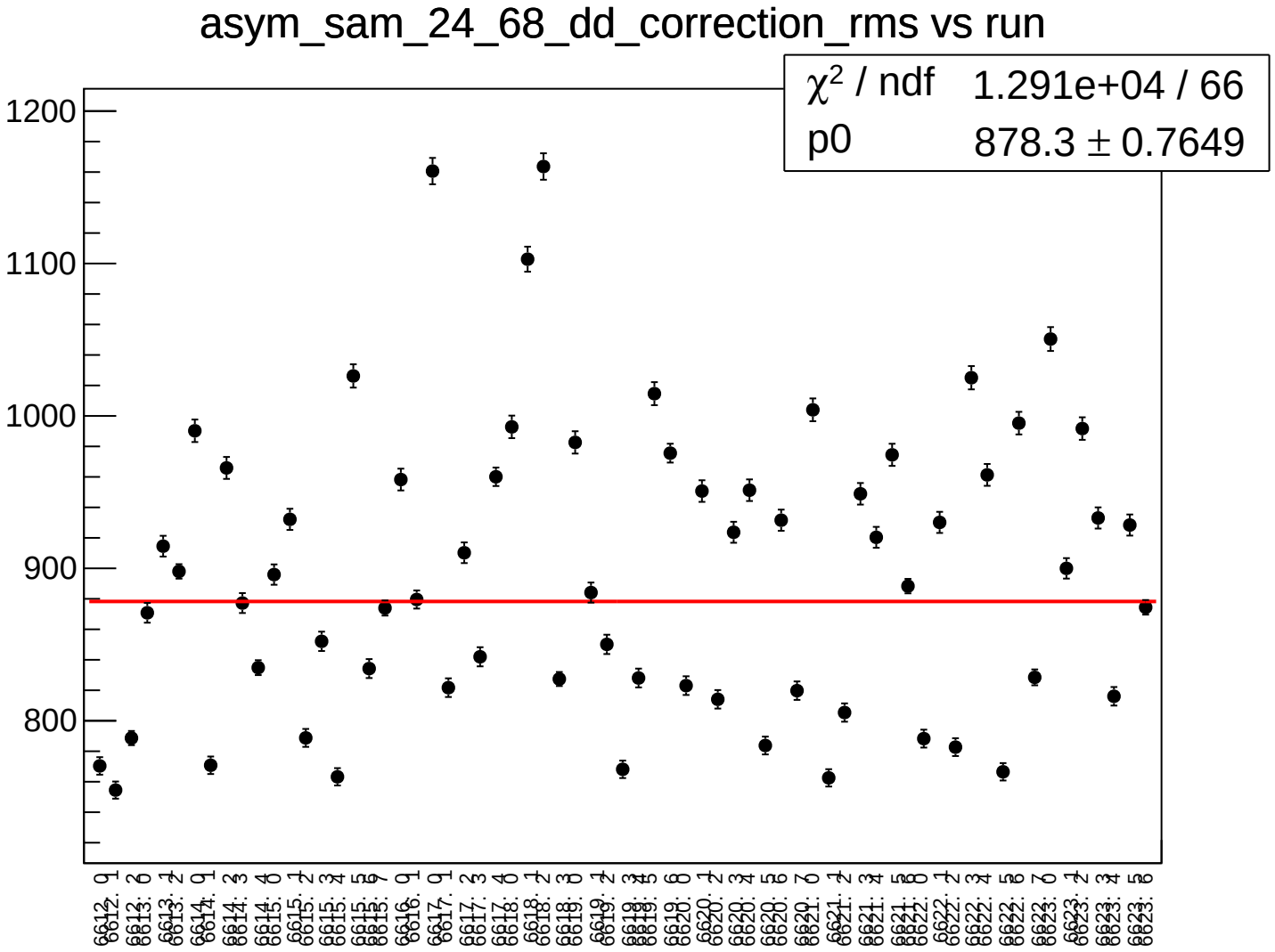

asym_sam_15_37_dd_mean vs run
χ² / ndf 76.1 / 66
p0 −611.5 ± 459.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 713.4
Std Dev 690.2
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.002146
Std Dev 1.066
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

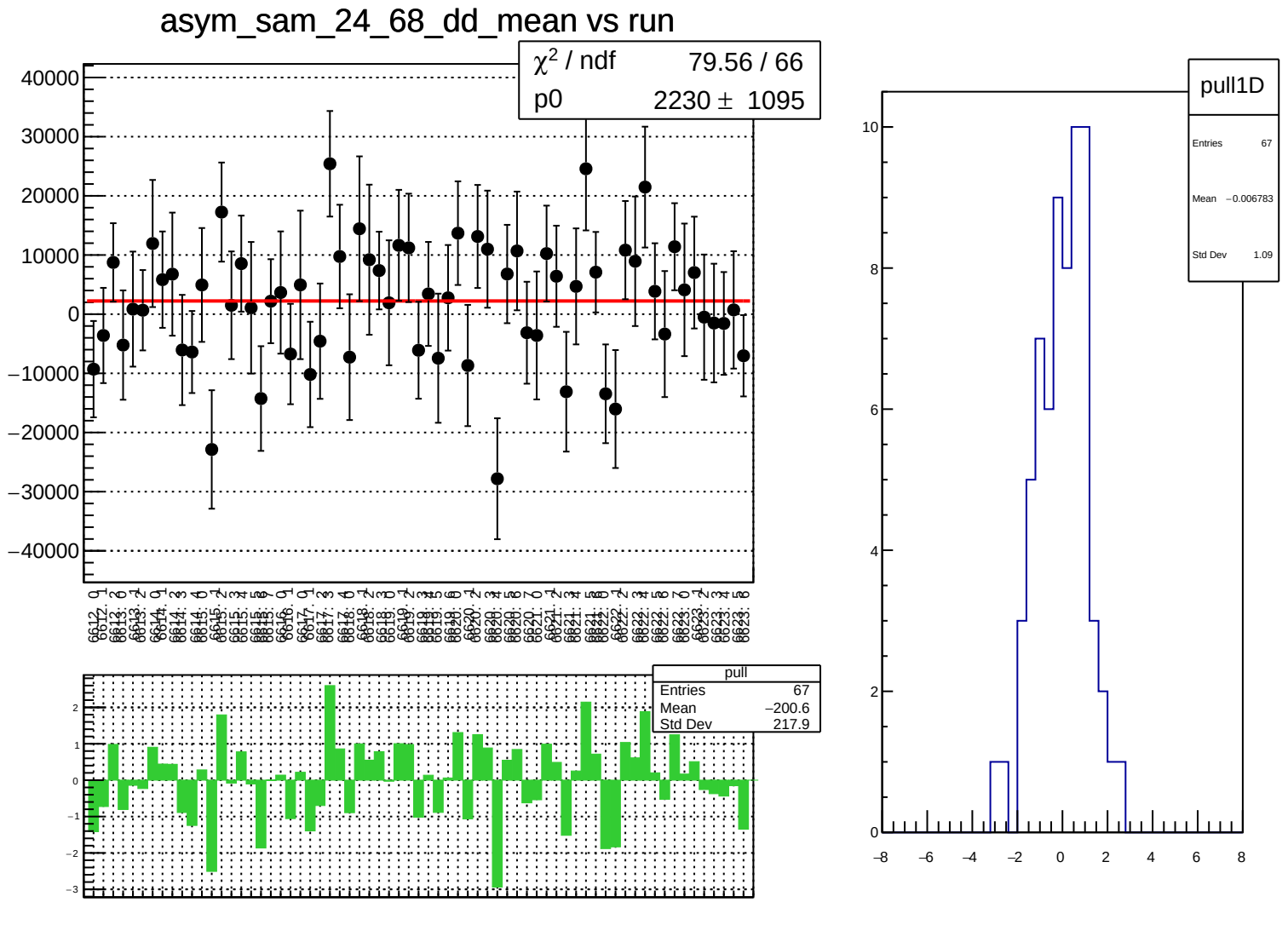

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.365e+04 / 66
p0 372.9 ± 0.3249
500
450
400
350
300

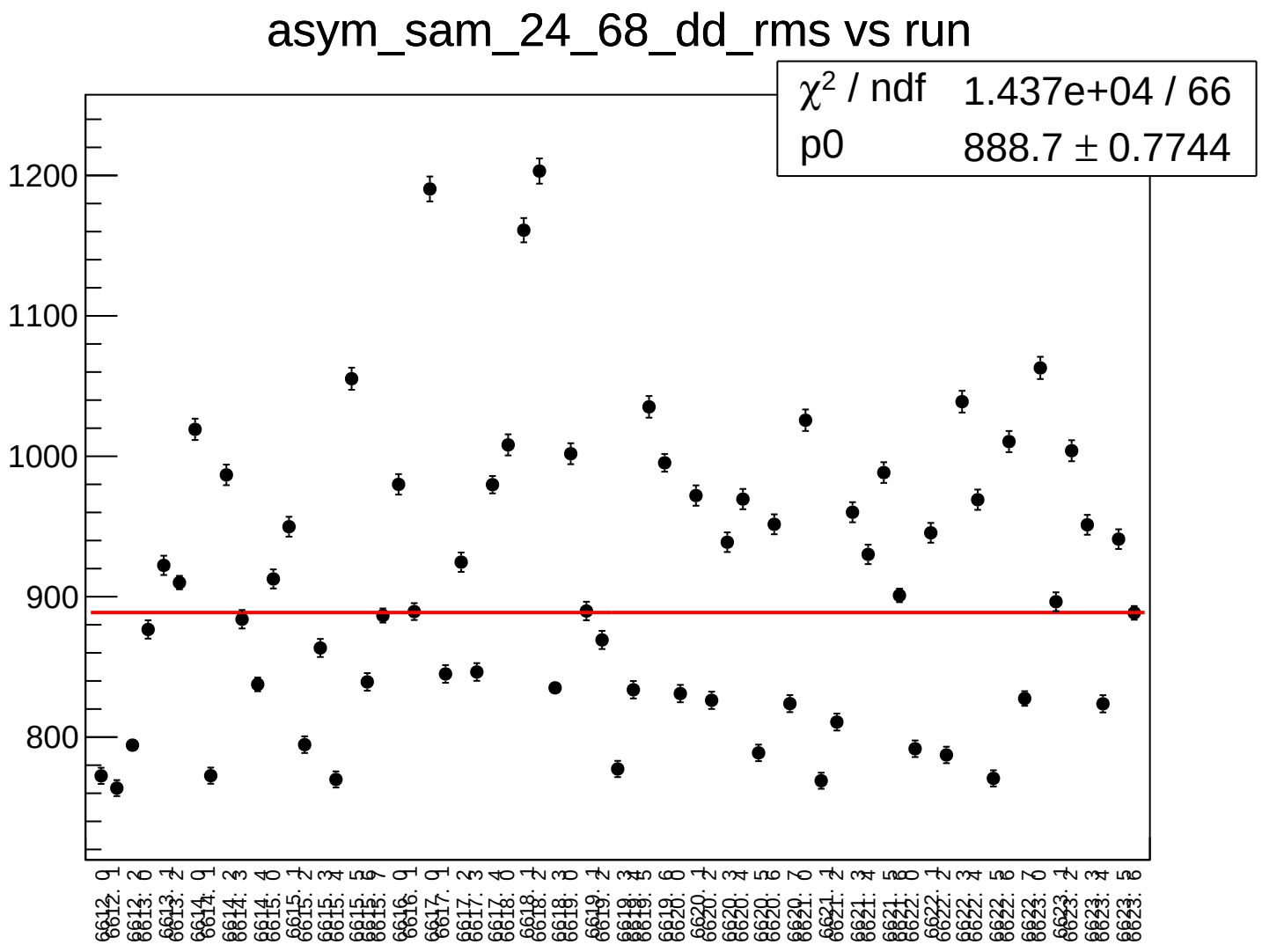

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 66.17 / 66
p0 114.6 ± 127.7
pull
Entries 67
Mean 74.83
Std Dev 53.85
pull1D
Entries 67
Mean −0.01098
Std Dev 0.9937

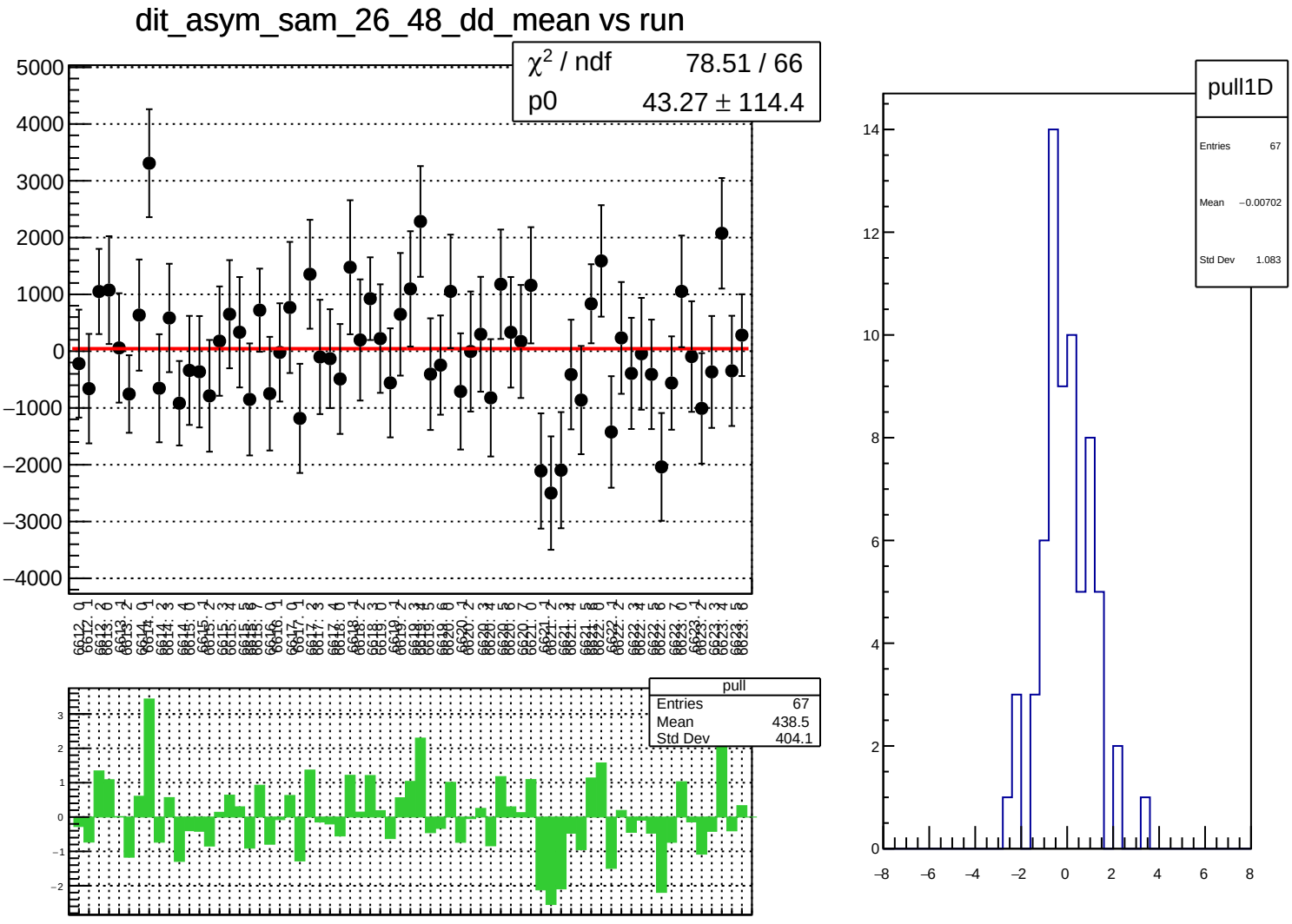

dit_asym_sam_24_68_dd_rms vs run
χ2 / ndf 3768 / 66
p0 104.1 ± 0.09032
140
135
130
125
120
115
110
105
100
95


asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 77.04 / 66
p0 −2089 ± 1082
pull
Entries 67
Mean −394.3
Std Dev 412
pull1D
Entries 67
Mean 0.003821
Std Dev 1.072

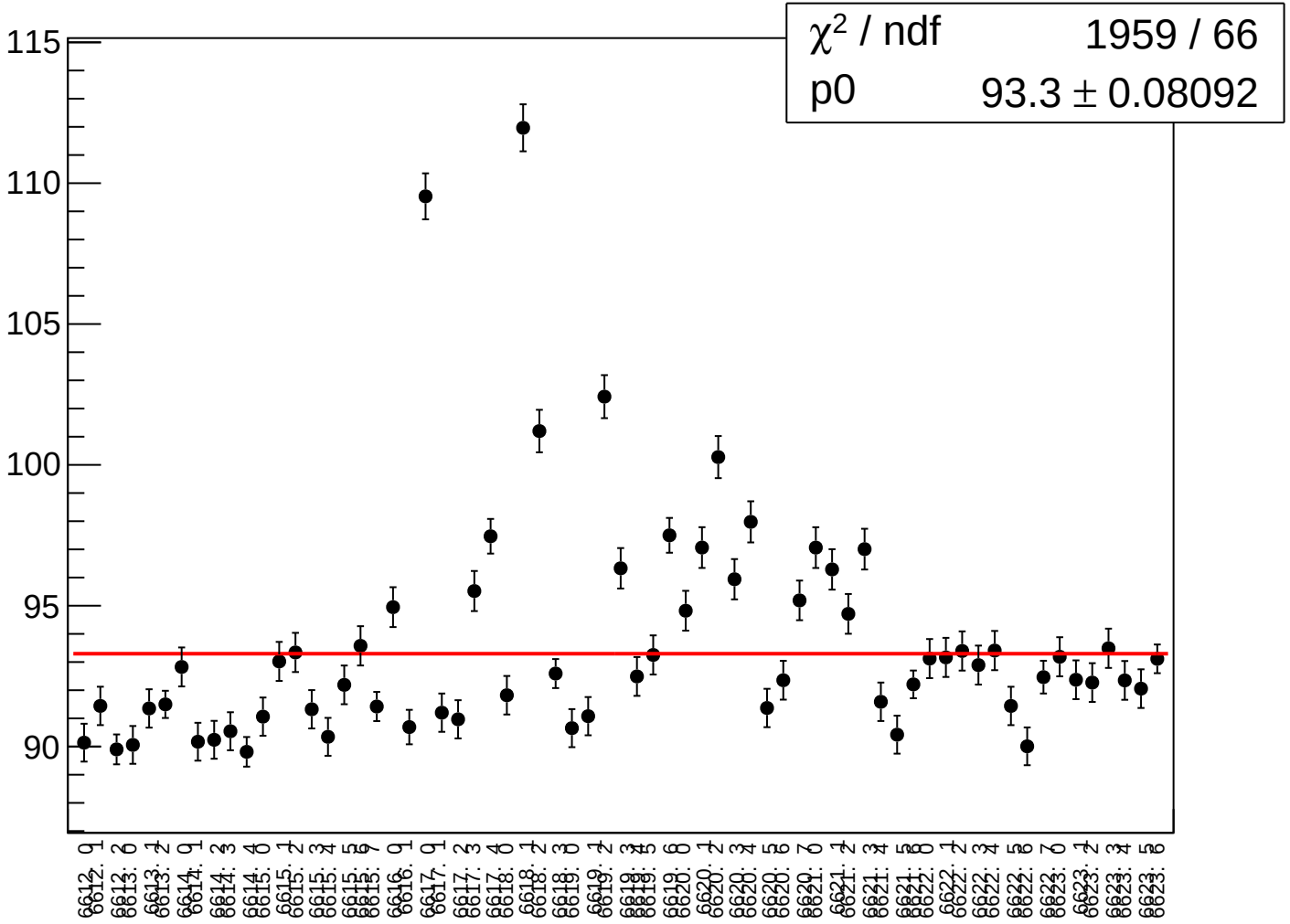

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.291e+04 / 66
p0 878.3 ± 0.7649
1200
1100
1000
900
800

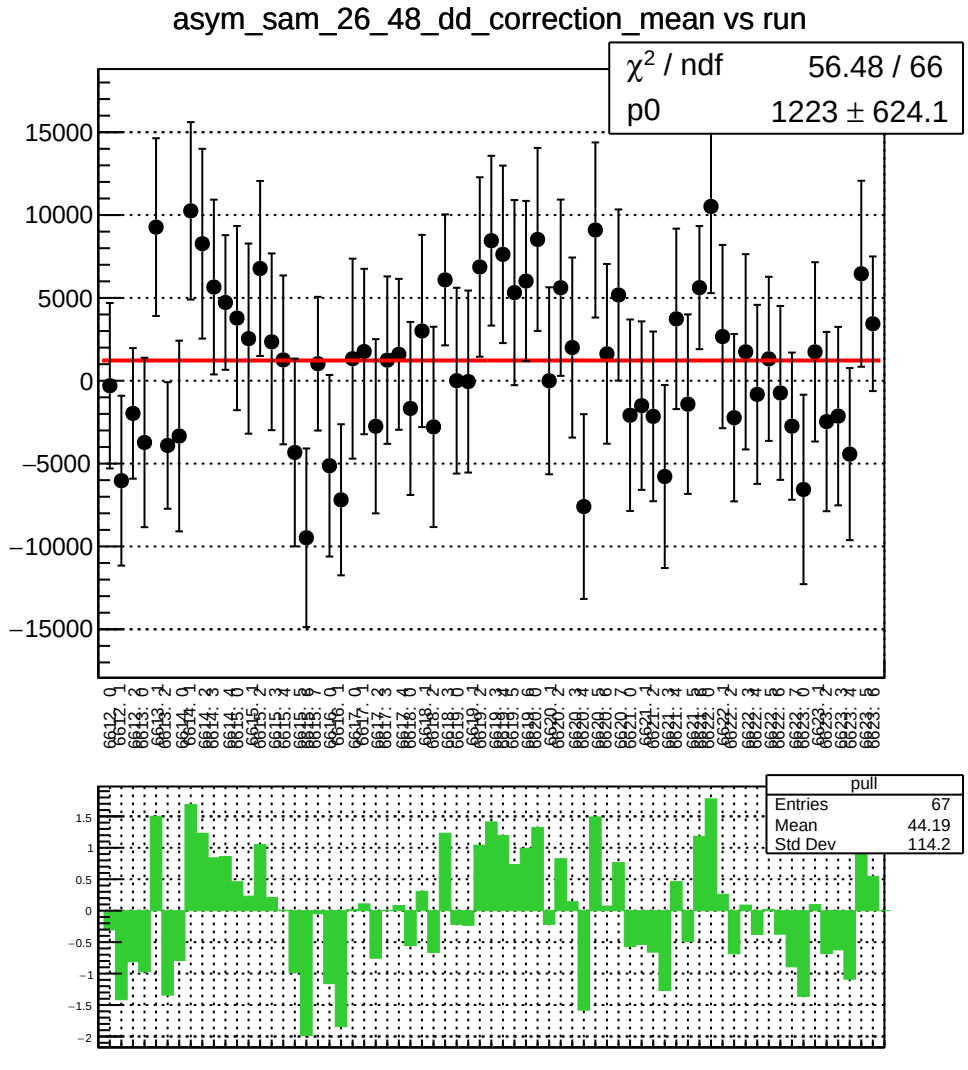

asym_sam_24_68_dd_mean vs run
χ² / ndf 79.56 / 66
p0 2230 ± 1095
pull
Entries 67
Mean −200.6
Std Dev 217.9
pull1D
Entries 67
Mean −0.006783
Std Dev 1.09

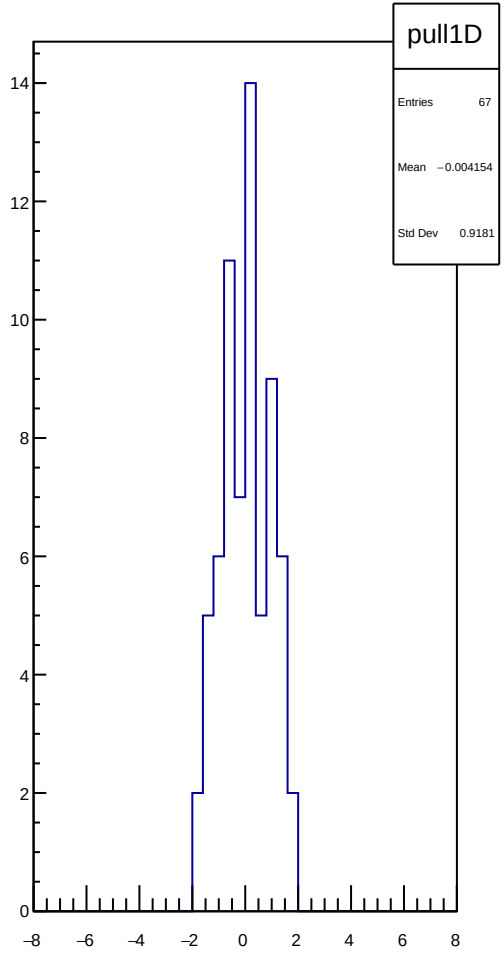

asym_sam_24_68_dd_rms vs run
χ^2 / ndf 1.437e+04 / 66
p0 888.7 ± 0.7744
1200
1100
1000
900
800

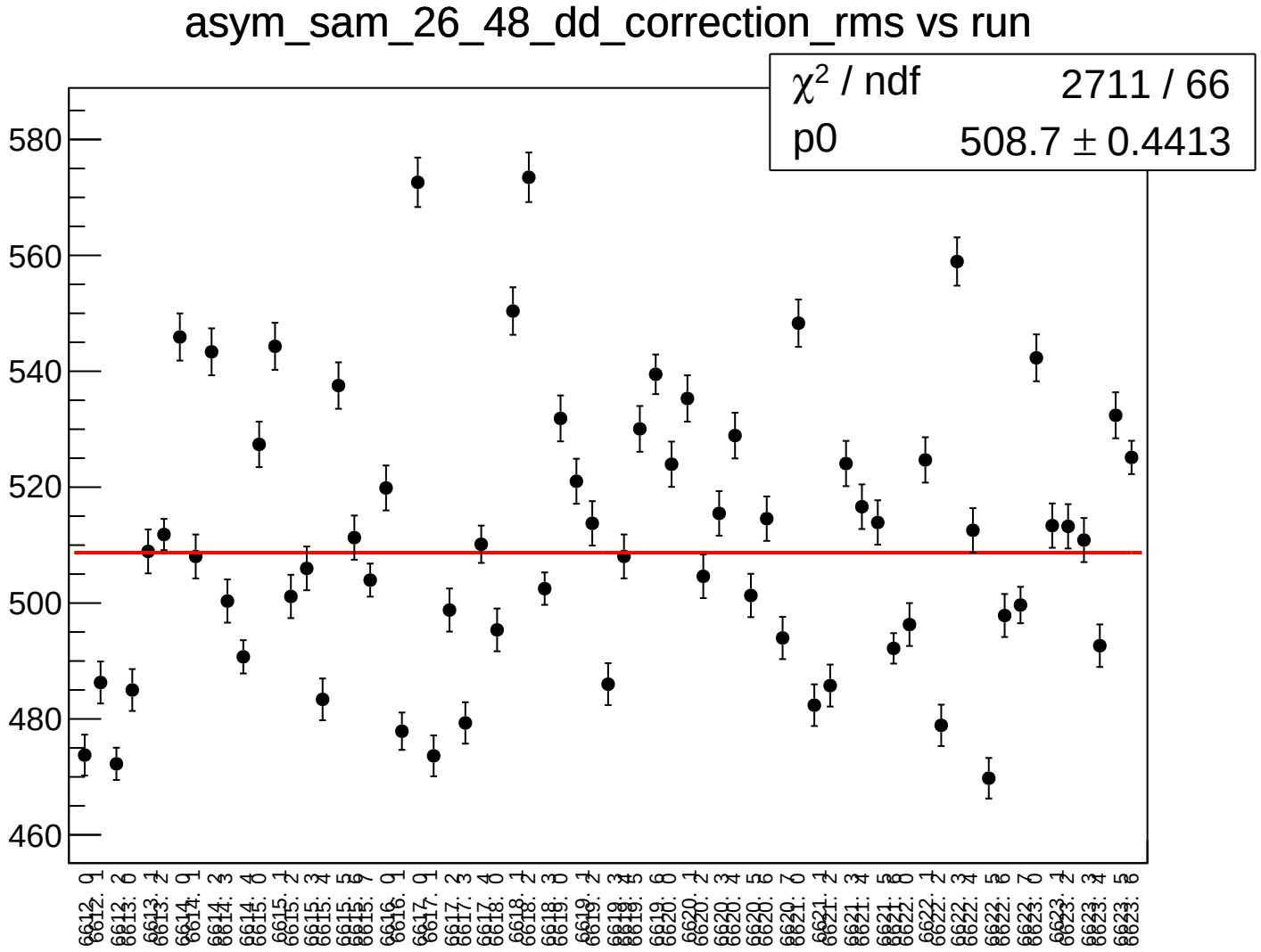

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 78.51 / 66
p0 43.27 ± 114.4
pull
Entries 67
Mean 438.5
Std Dev 404.1
pull1D
Entries 67
Mean −0.00702
Std Dev 1.083

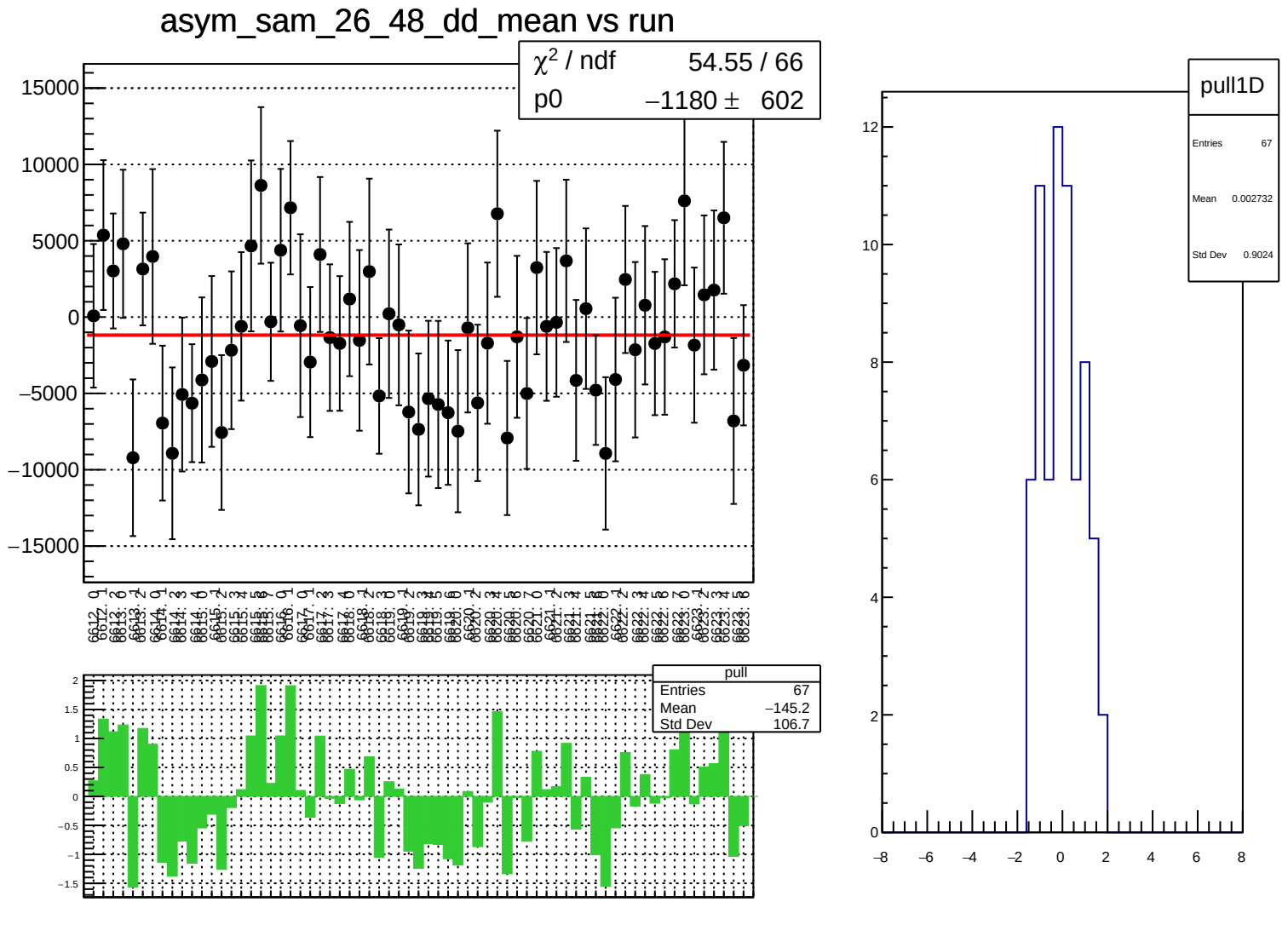
dit_asym_sam_26_48_dd_rms vs run



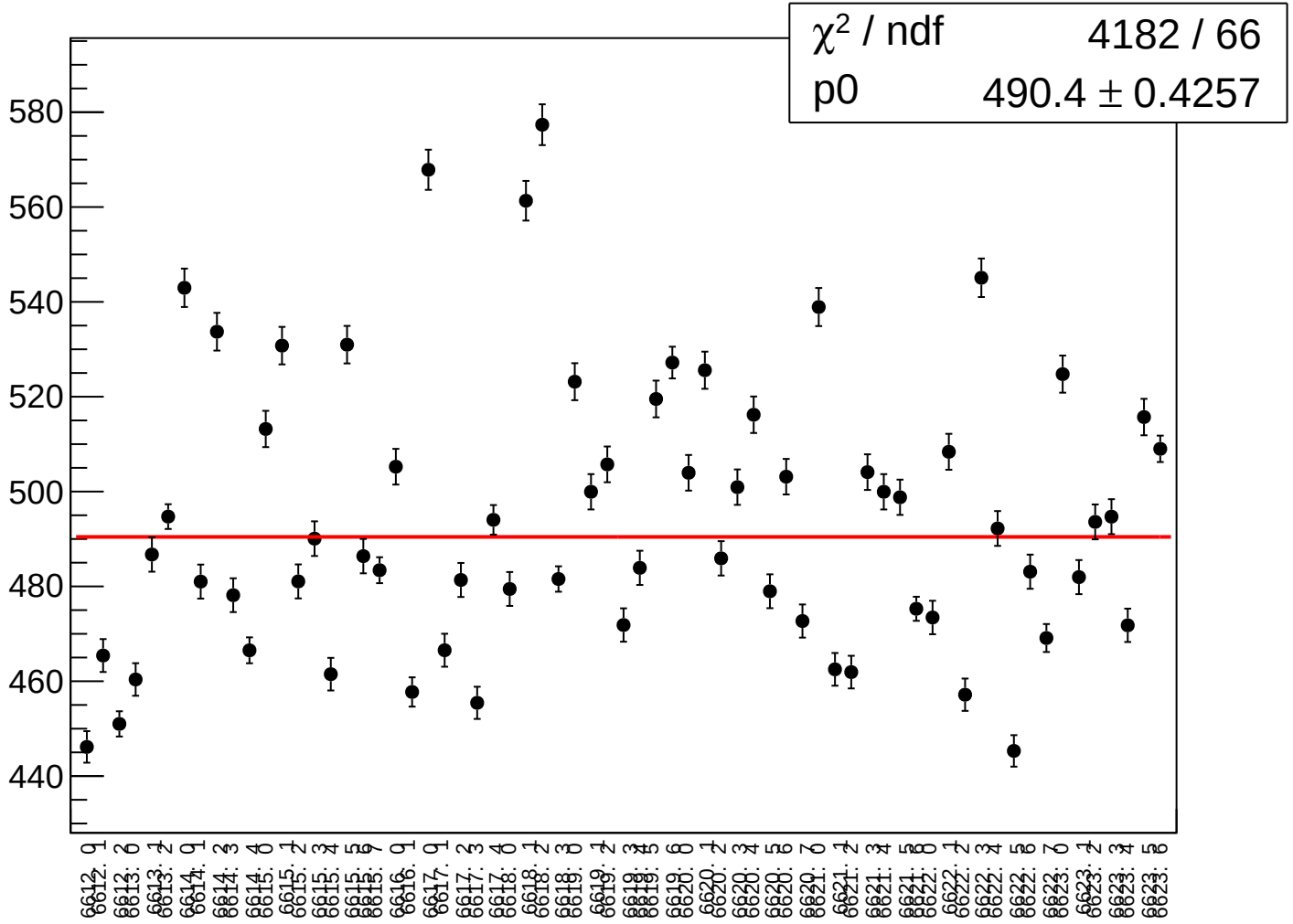

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 56.48 / 66
p0 1223 ± 624.1
pull
Entries 67
Mean 44.19
Std Dev 114.2

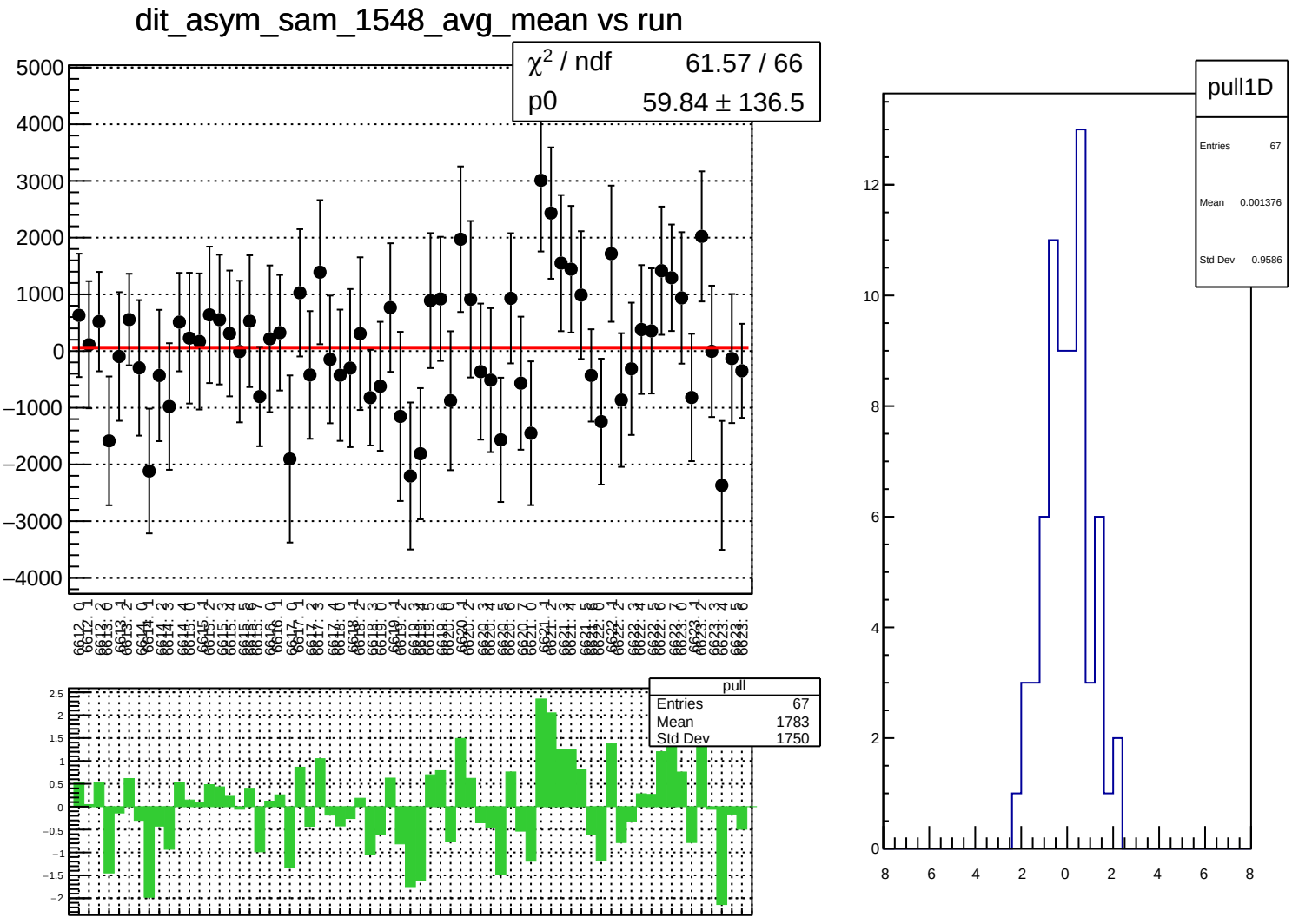

pull1D
Entries 67
Mean −0.004154
Std Dev 0.9181


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2711 / 66
p0 508.7 ± 0.4413
580
560
540
520
500
480
460

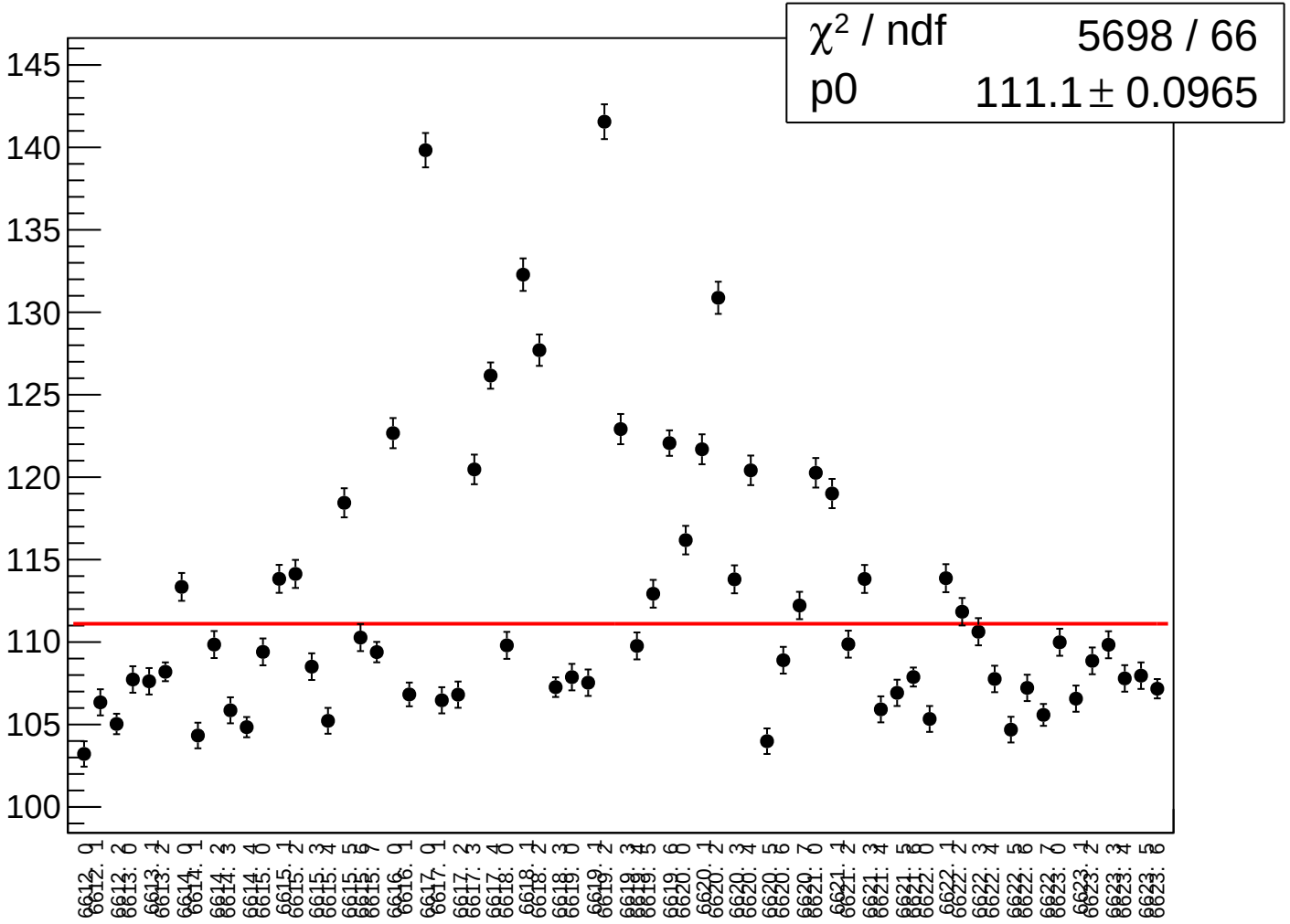

asym_sam_26_48_dd_mean vs run
χ² / ndf 54.55 / 66
p0 −1180 ± 602
pull
Entries 67
Mean −145.2
Std Dev 106.7
pull1D
Entries 67
Mean 0.002732
Std Dev 0.9024

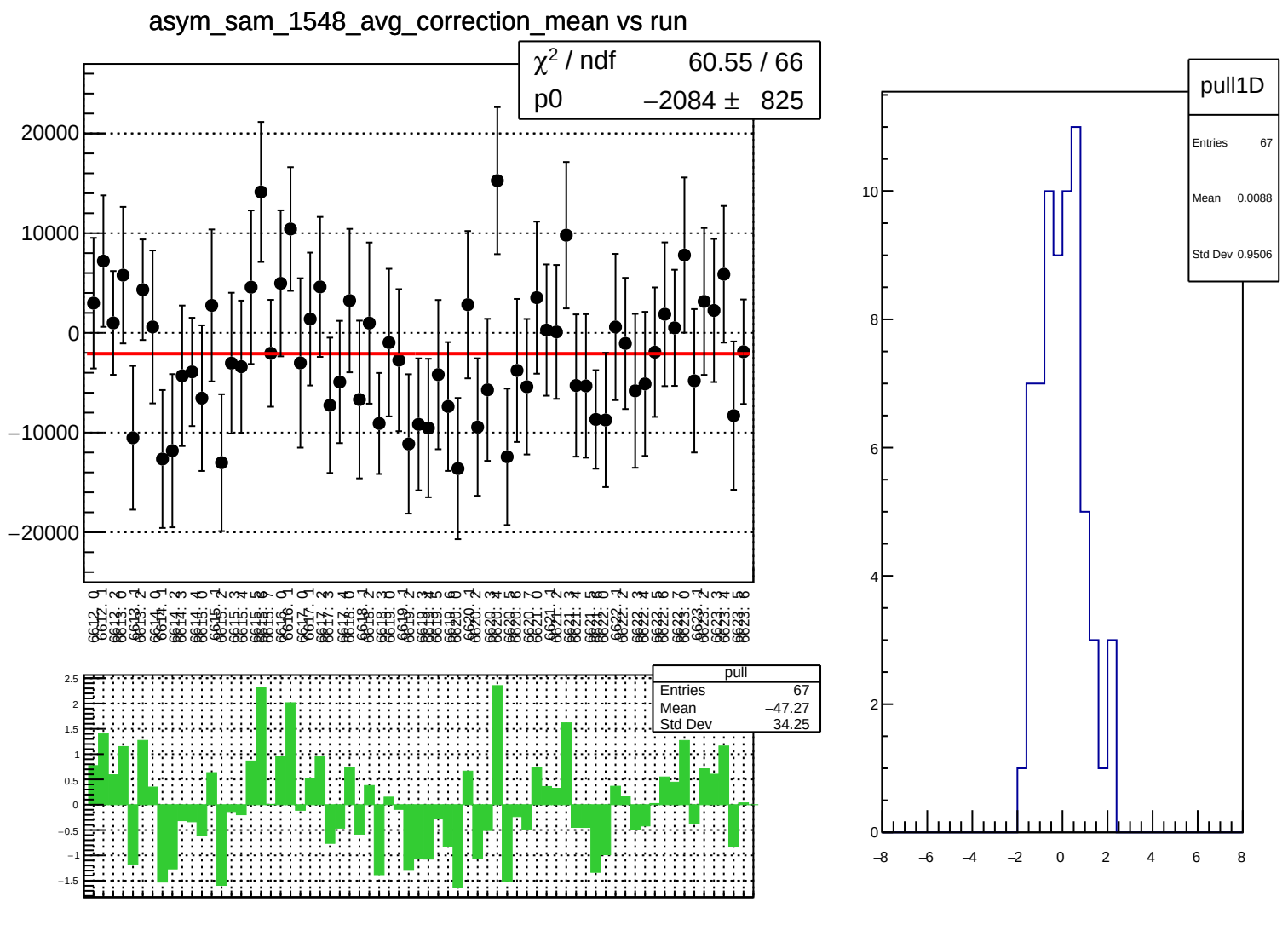
asym_sam_26_48_dd_rms vs run

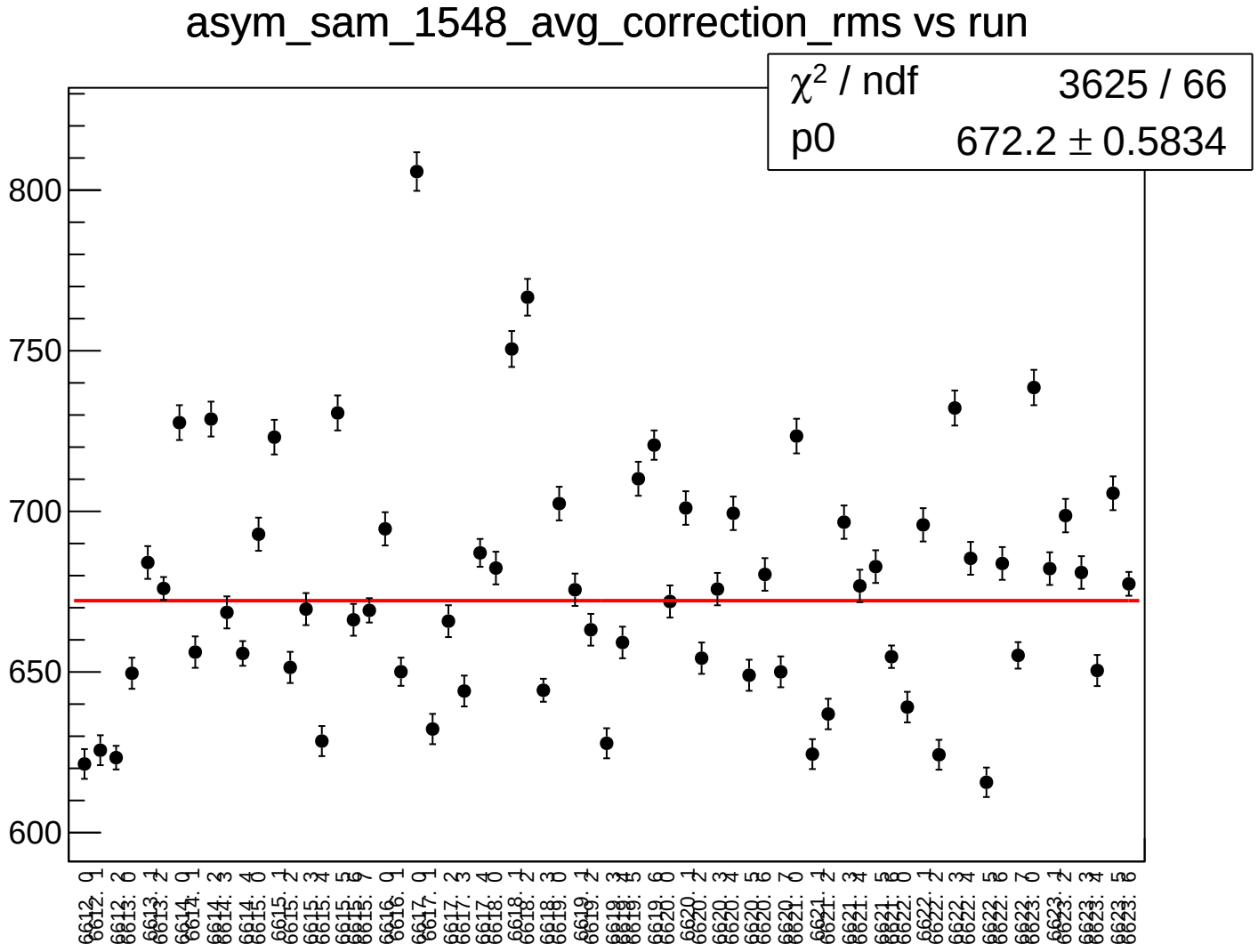


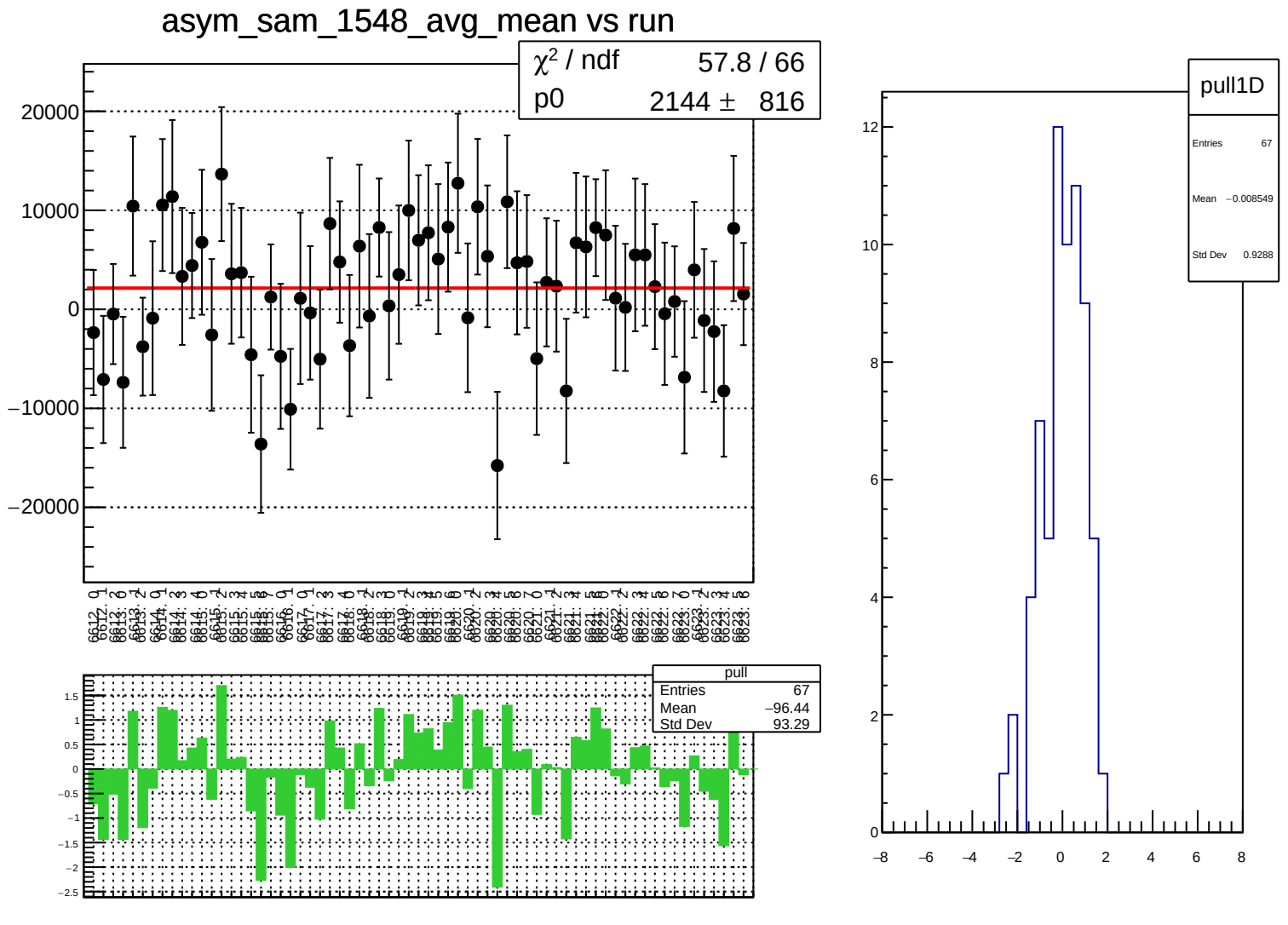

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 61.57 / 66
p0 59.84 ± 136.5
pull
Entries 67
Mean 1783
Std Dev 1750
pull1D
Entries 67
Mean 0.001376
Std Dev 0.9586

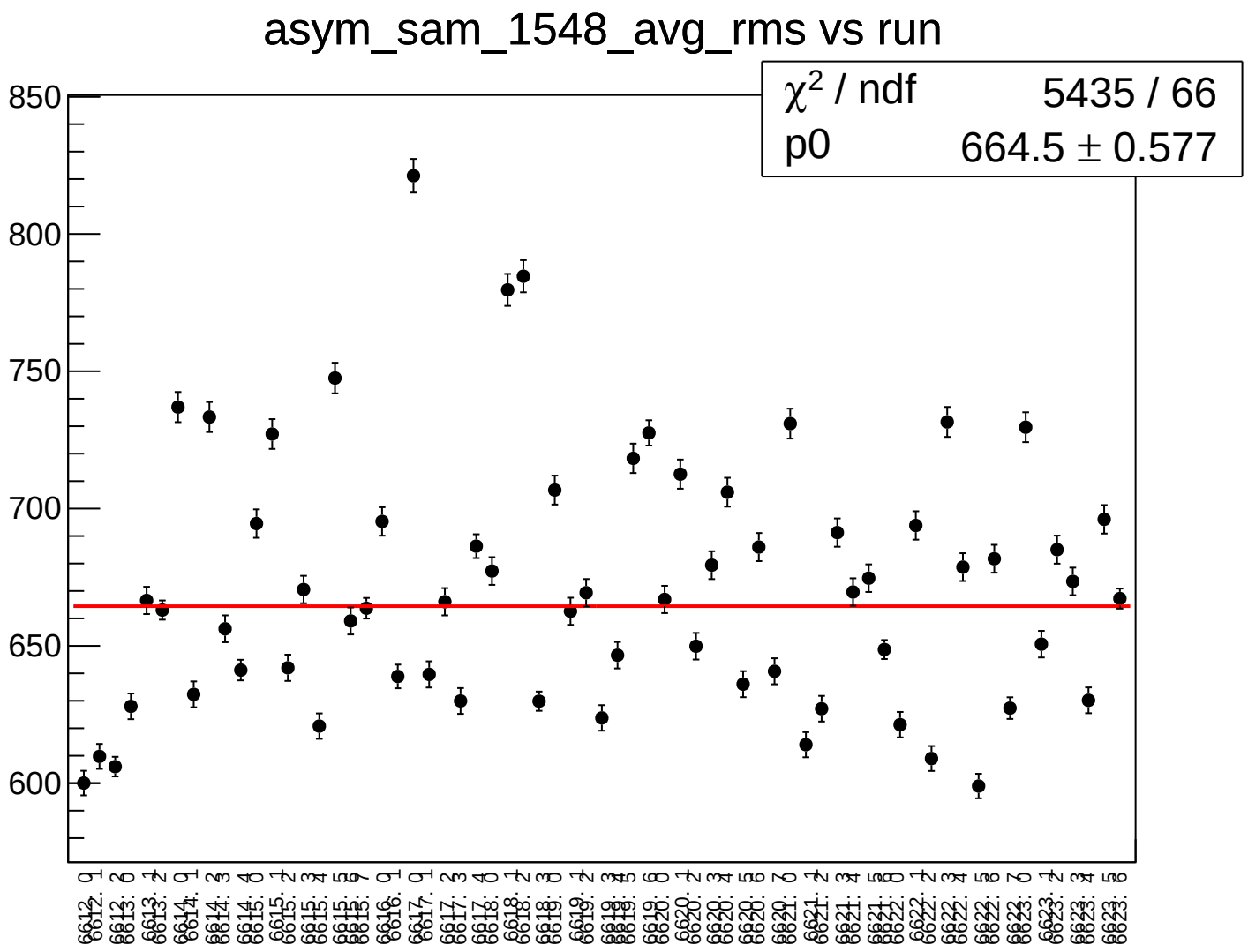
dit_asym_sam_1548_avg_rms vs run

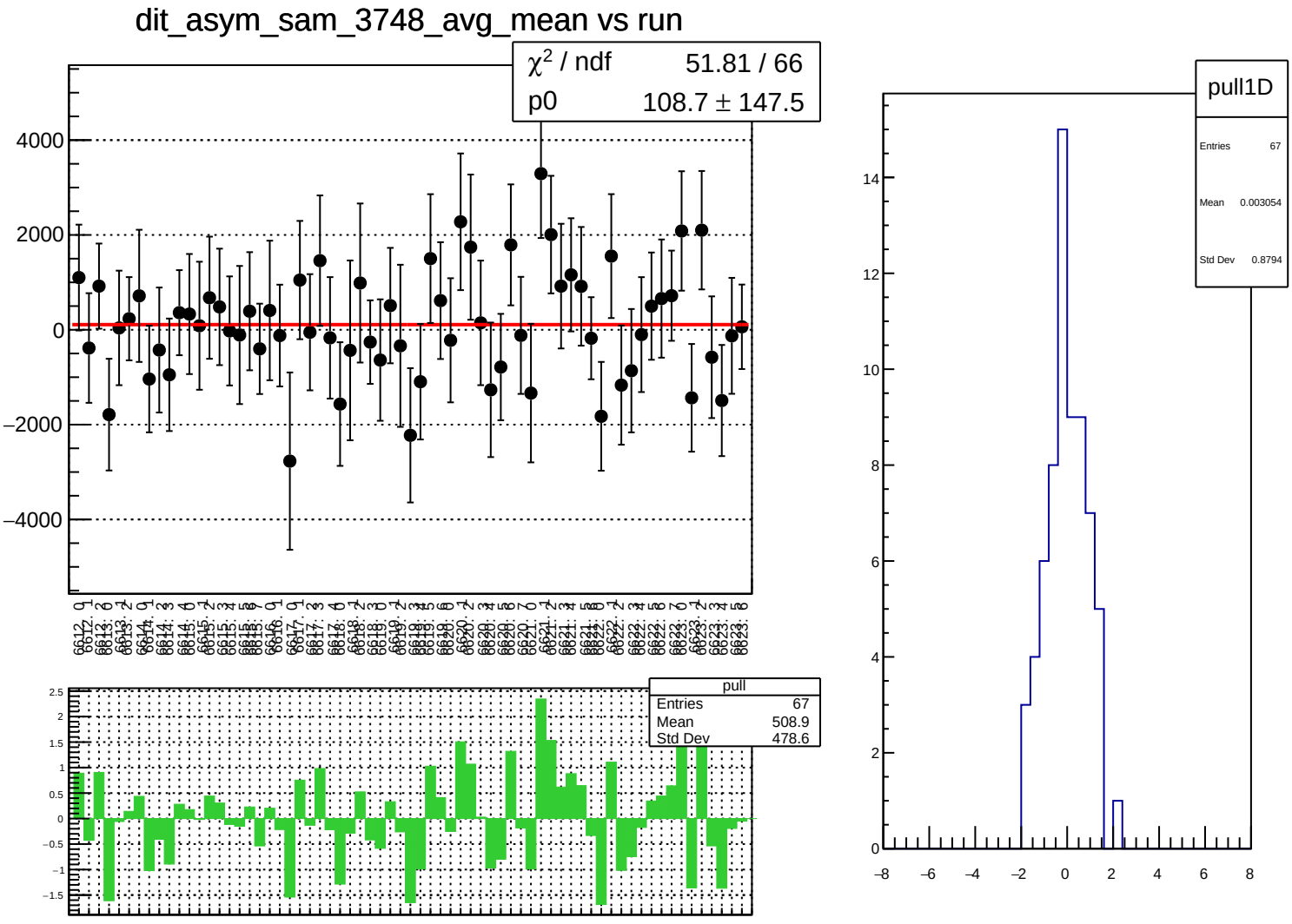



asym_sam_1548_avg_correction_mean vs run
χ² / ndf 60.55 / 66
p0 −2084 ± 825
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −47.27
Std Dev 34.25
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 67
Mean 0.0088
Std Dev 0.9506
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

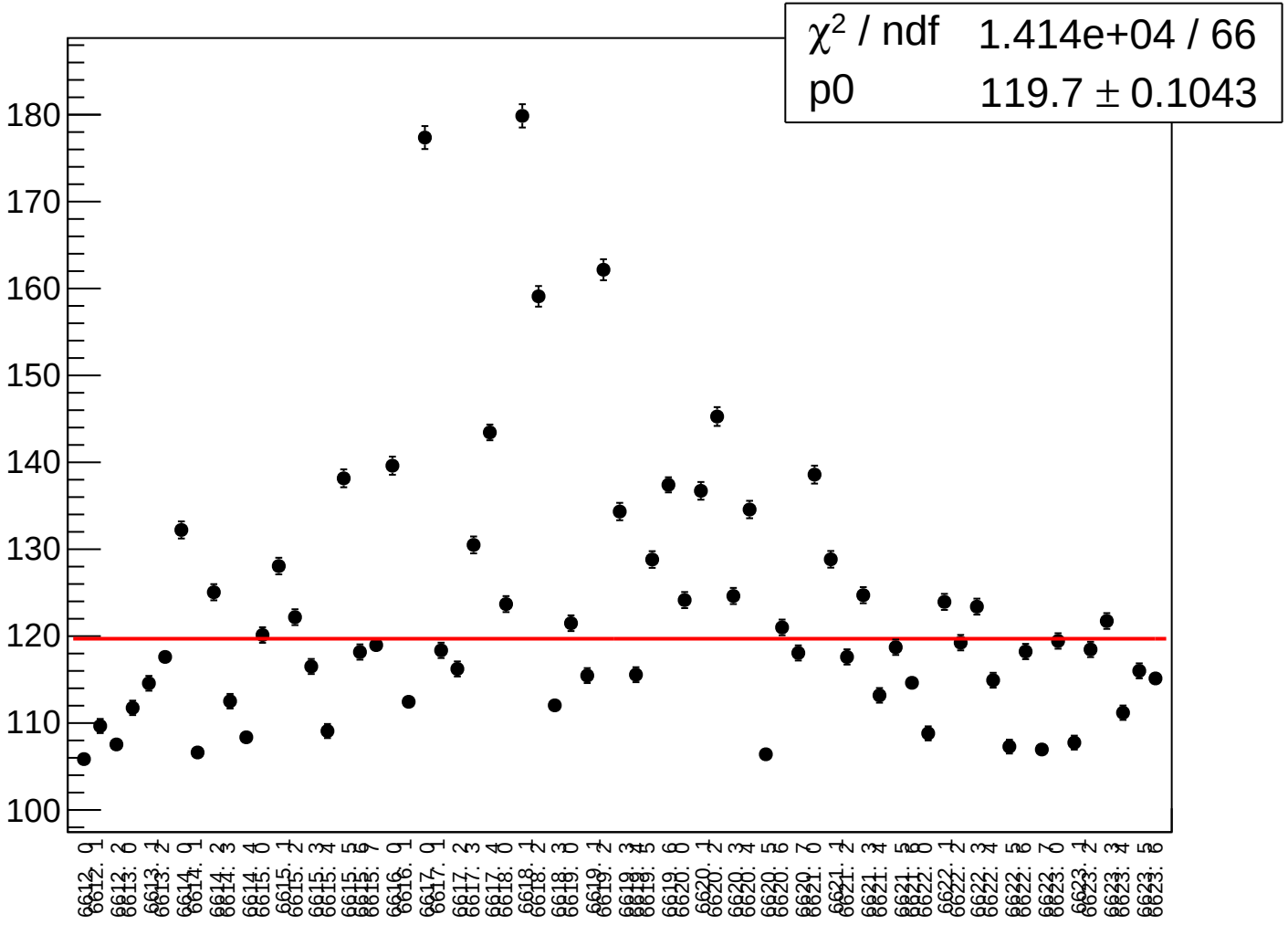

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3625 / 66
p0 672.2 ± 0.5834
800
750
700
650
600

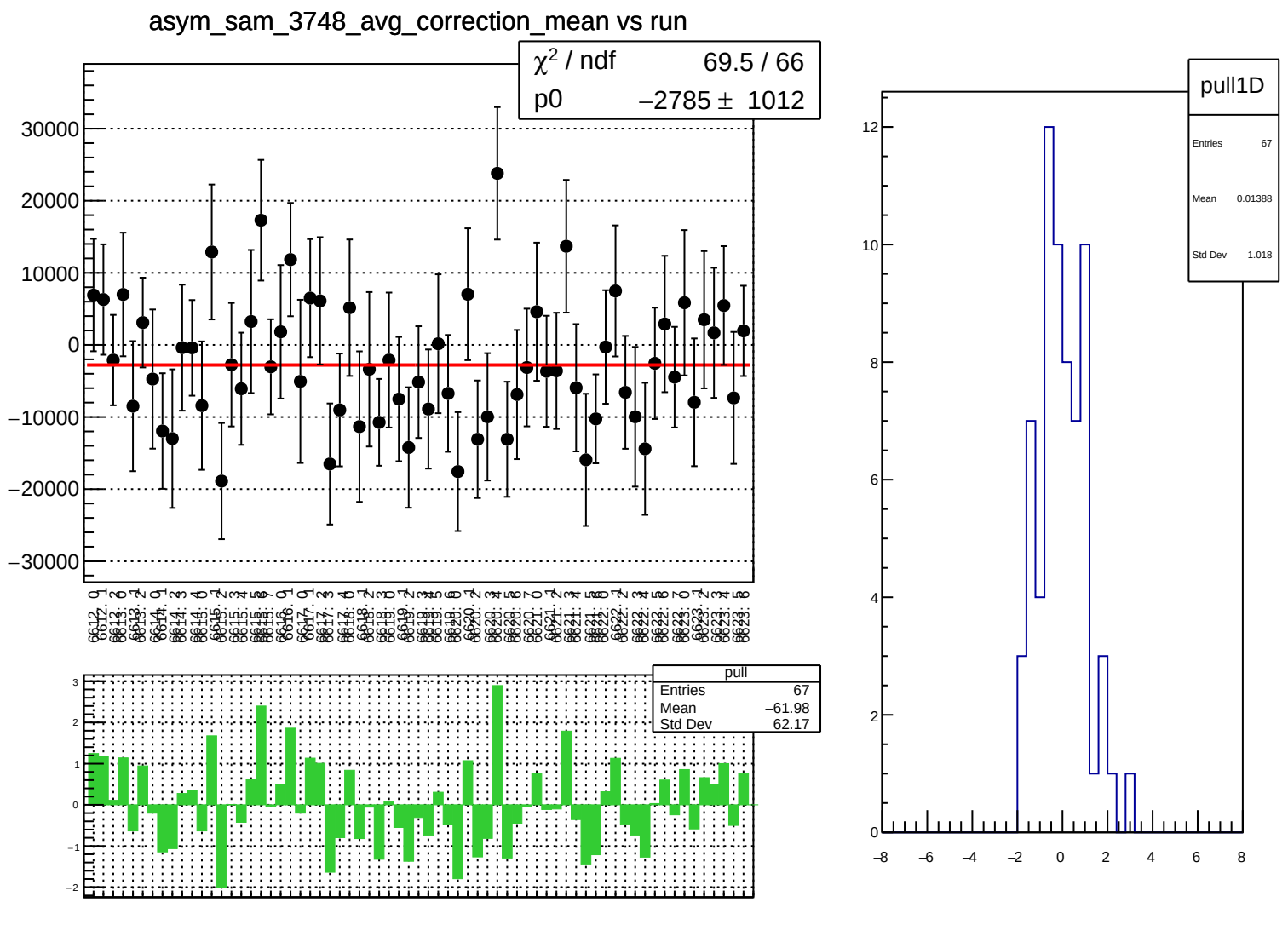

asym_sam_1548_avg_mean vs run
χ² / ndf 57.8 / 66
p0 2144 ± 816
pull
Entries 67
Mean −96.44
Std Dev 93.29
pull1D
Entries 67
Mean −0.008549
Std Dev 0.9288

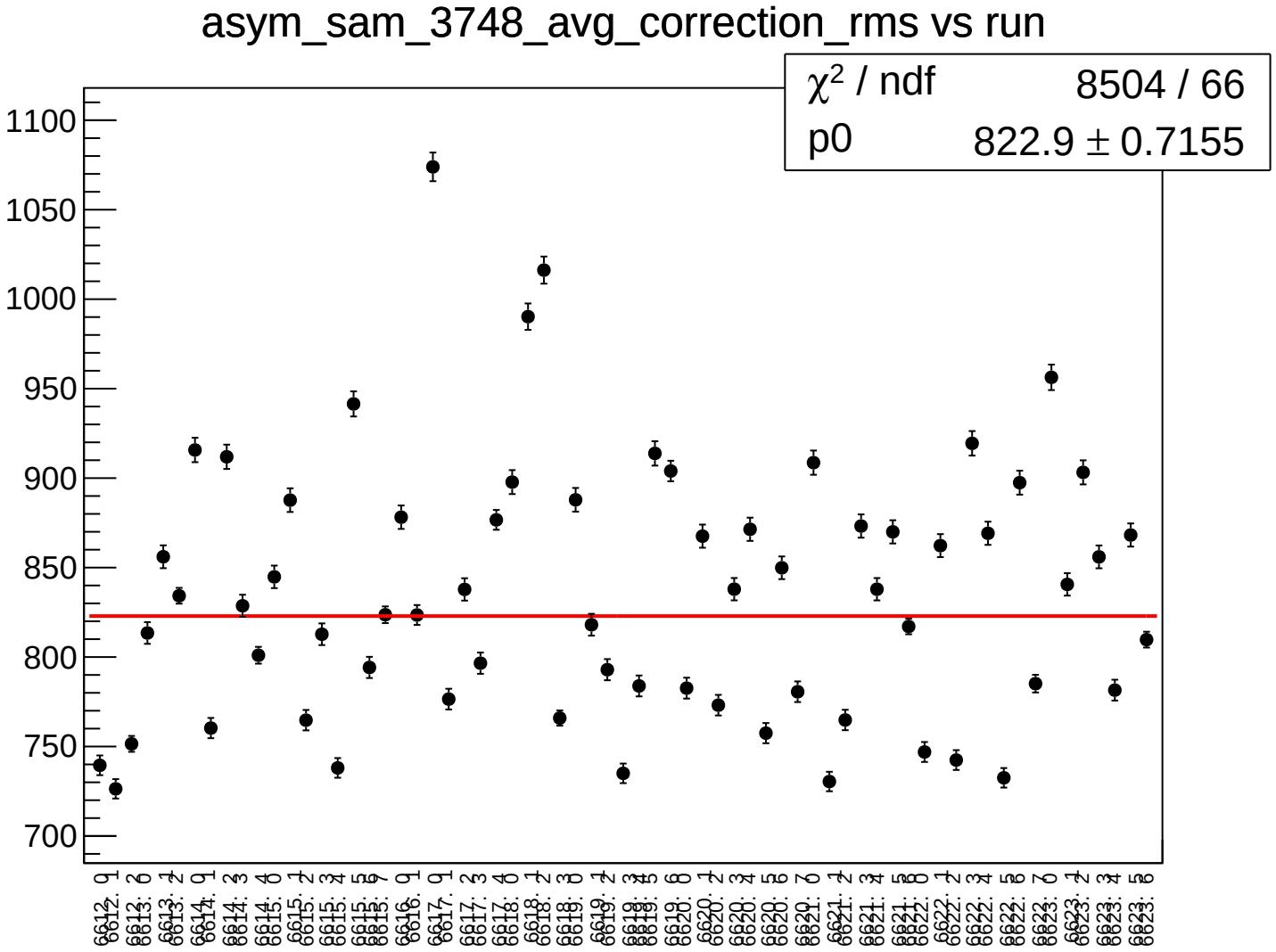

asym_sam_1548_avg_rms vs run
χ^2 / ndf 5435 / 66
p0 664.5 ± 0.577
850
800
750
700
650
600

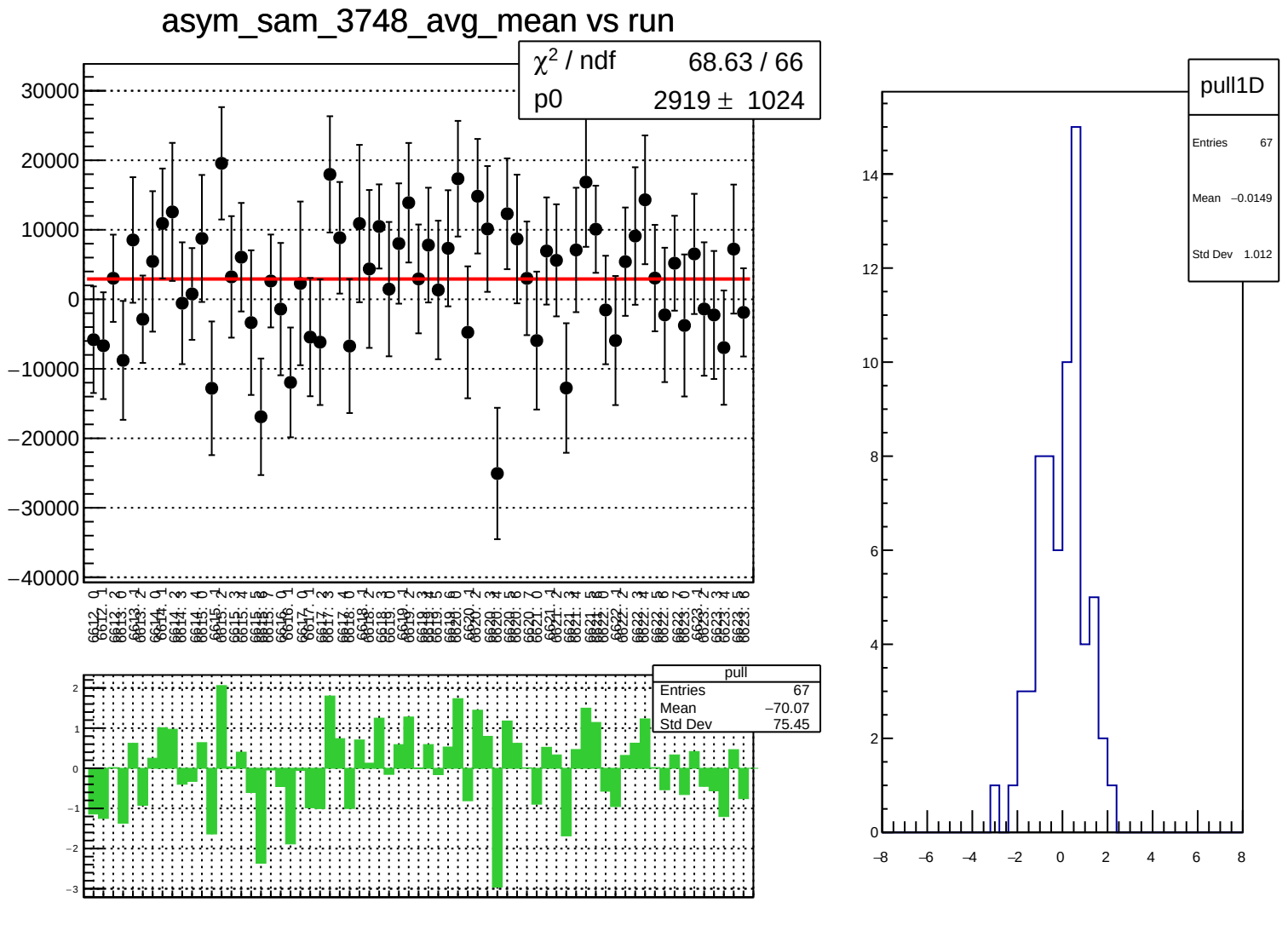

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 51.81 / 66
p0 108.7 ± 147.5
pull
Entries 67
Mean 508.9
Std Dev 478.6
pull1D
Entries 67
Mean 0.003054
Std Dev 0.8794

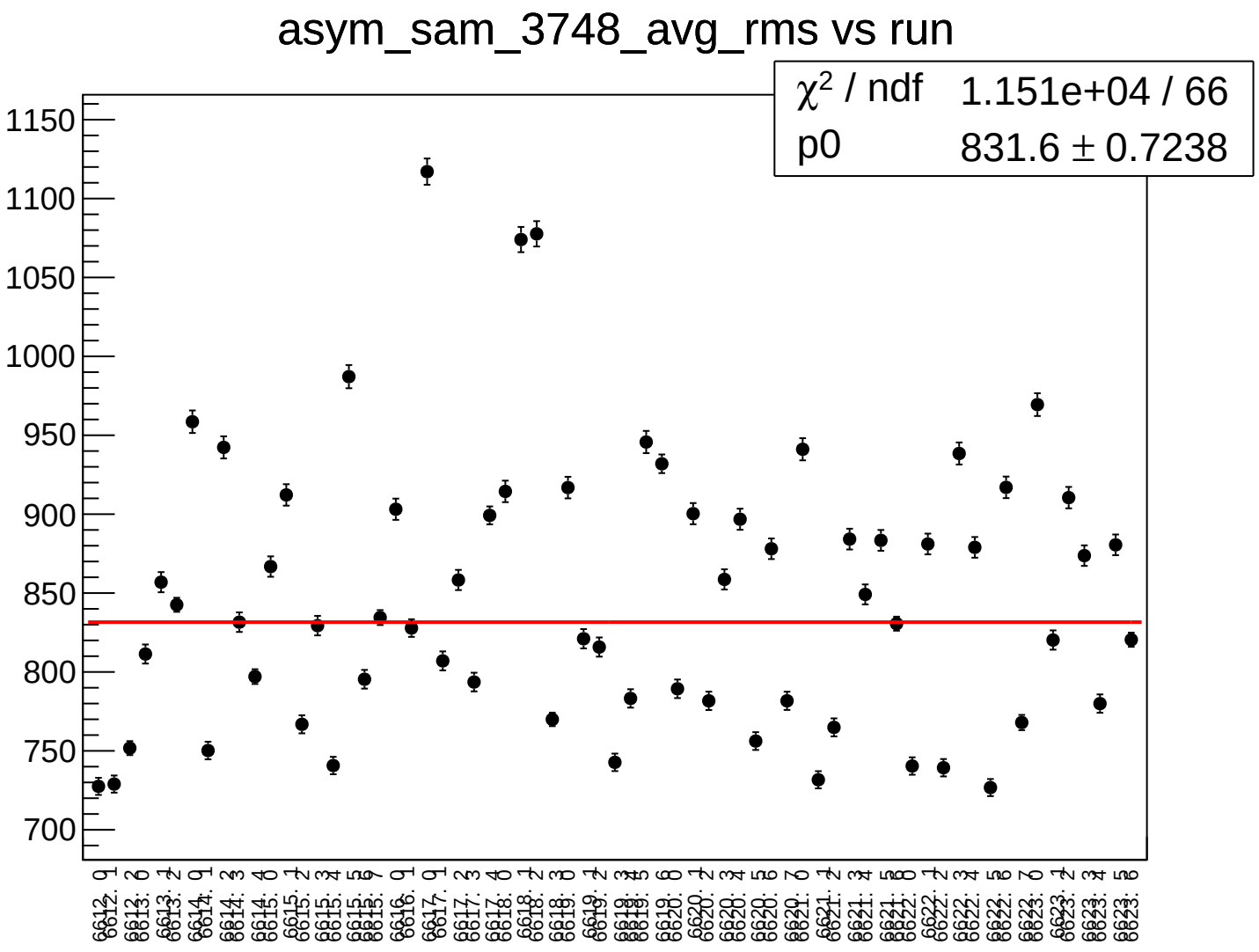
dit_asym_sam_3748_avg_rms vs run

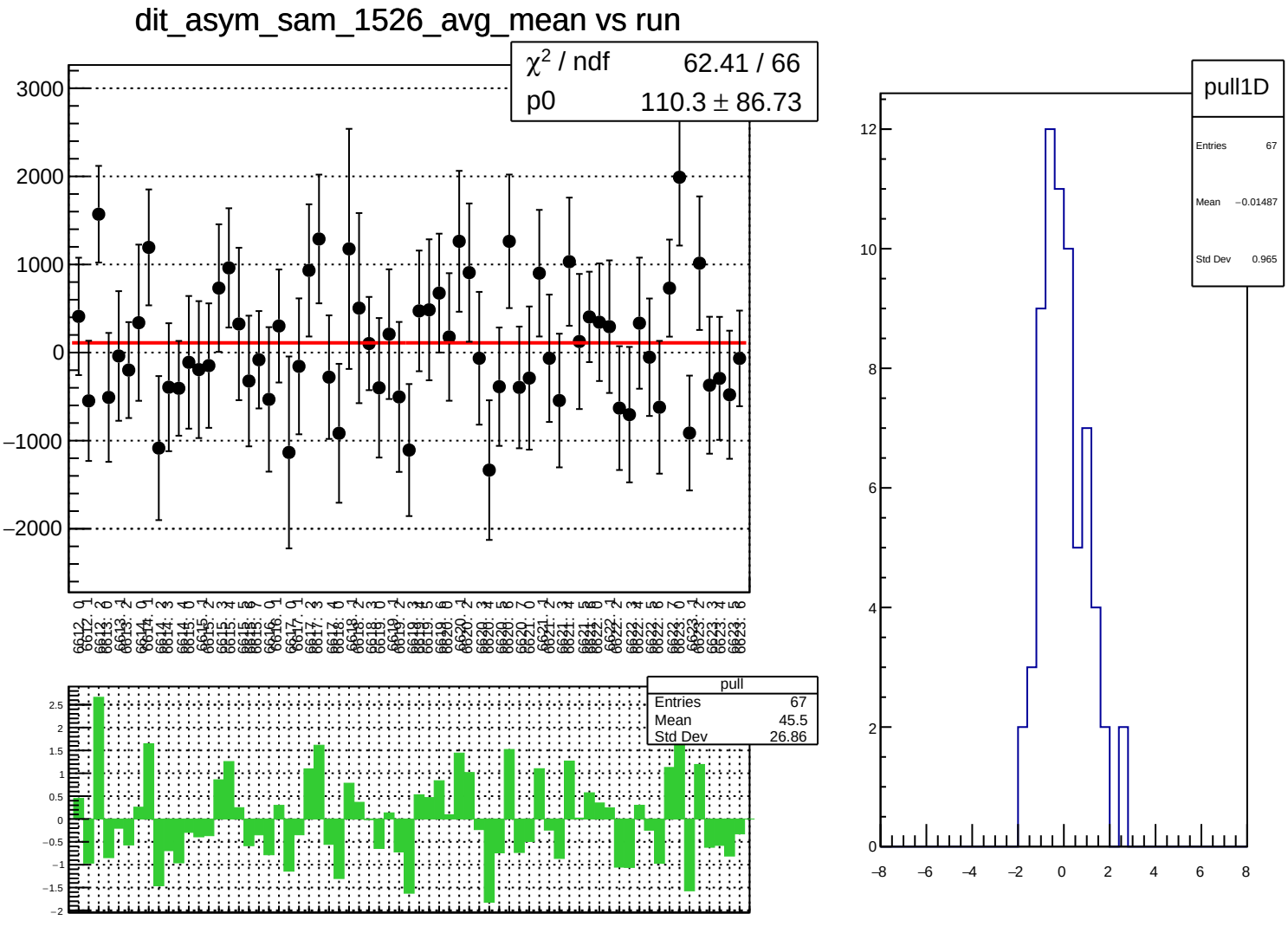



asym_sam_3748_avg_correction_mean vs run
χ² / ndf 69.5 / 66
p0 −2785 ± 1012
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean −61.98
Std Dev 62.17
3
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.01388
Std Dev 1.018
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

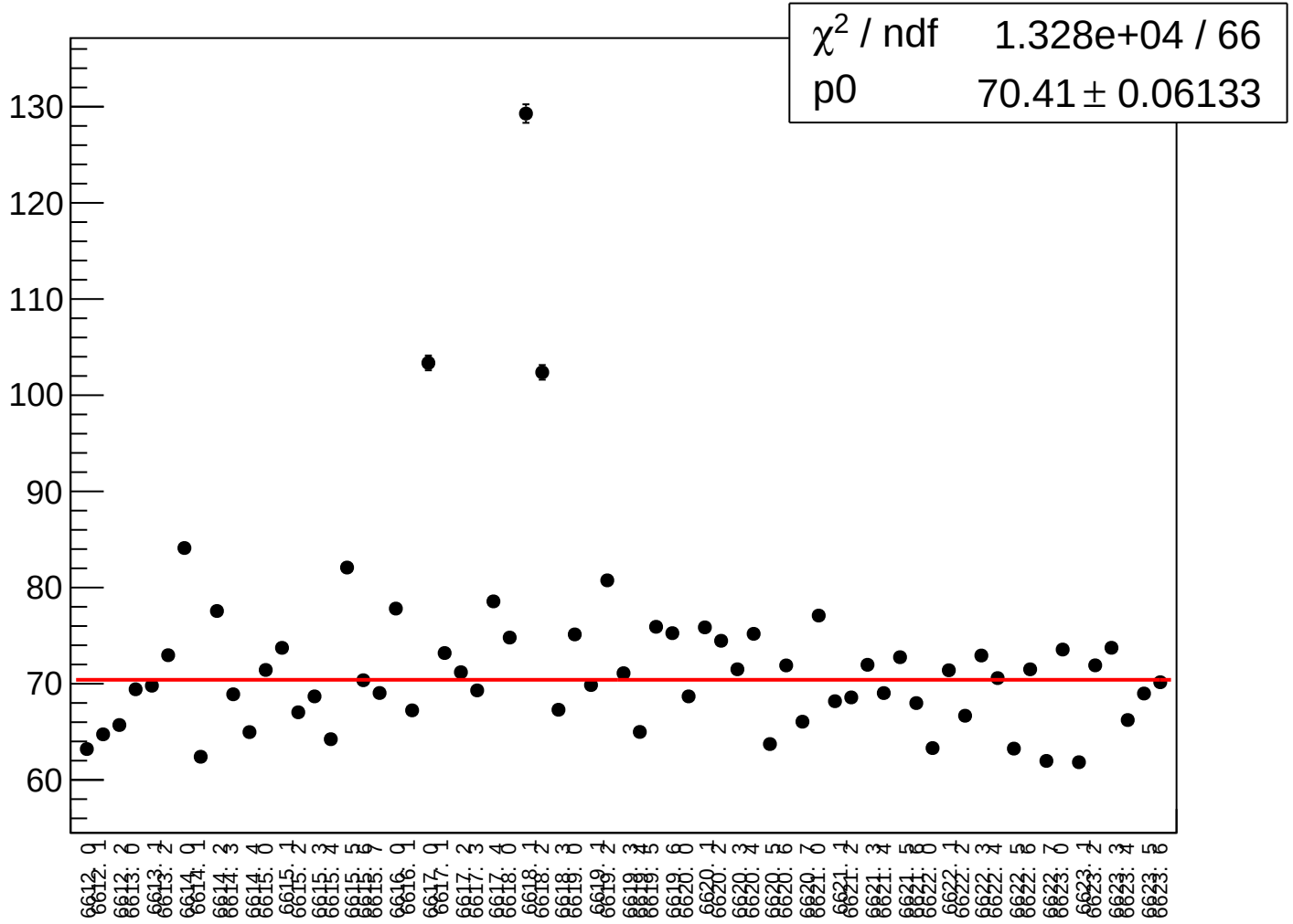

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 8504 / 66
p0 822.9 ± 0.7155
1100
1050
1000
950
900
850
800
750
700

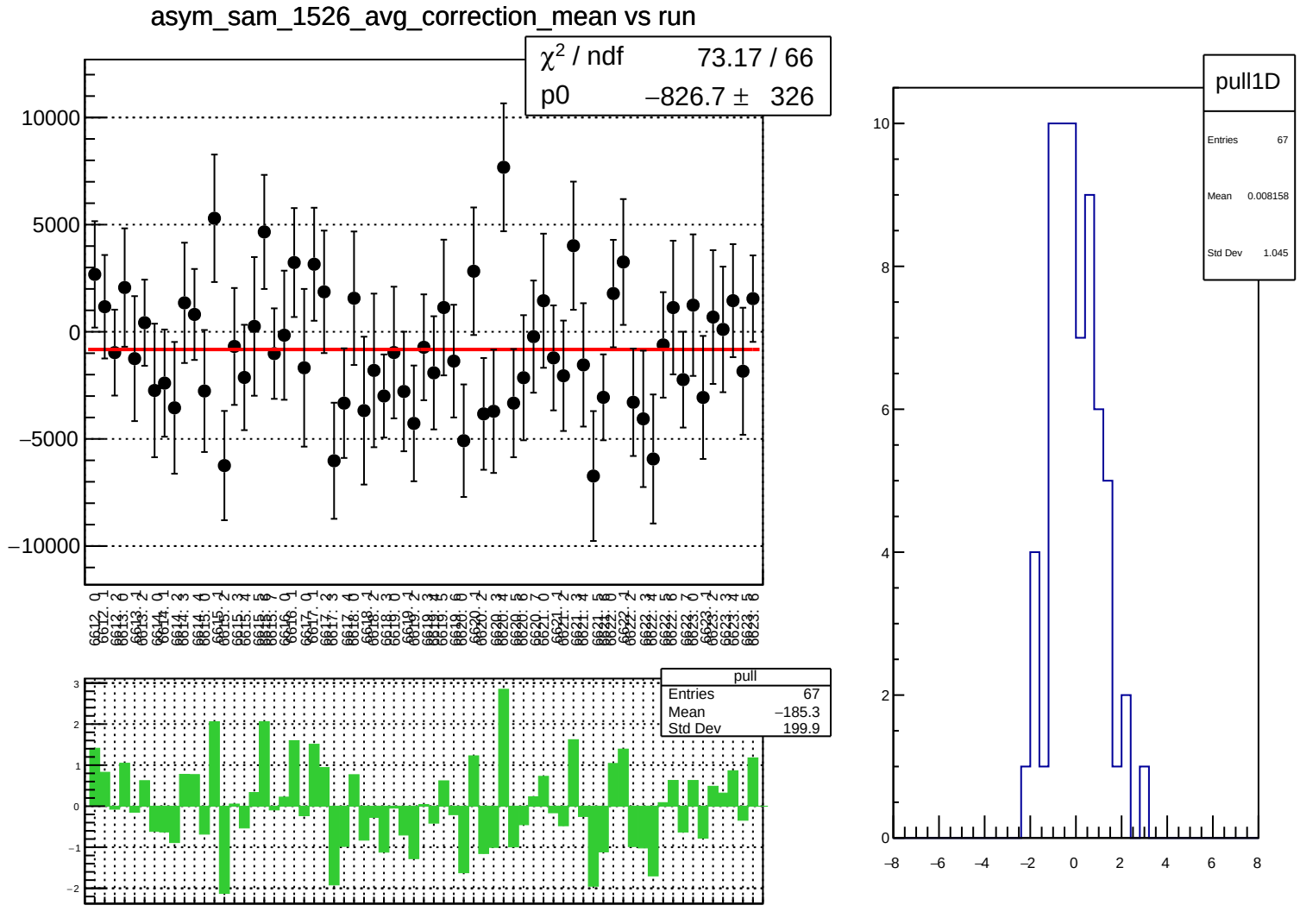

asym_sam_3748_avg_mean vs run
χ² / ndf 68.63 / 66
p0 2919 ± 1024
pull
Entries 67
Mean −70.07
Std Dev 75.45
pull1D
Entries 67
Mean −0.0149
Std Dev 1.012


asym_sam_3748_avg_rms vs run
χ^2 / ndf 1.151e+04 / 66
p0 831.6 ± 0.7238
1150
1100
1050
1000
950
900
850
800
750
700

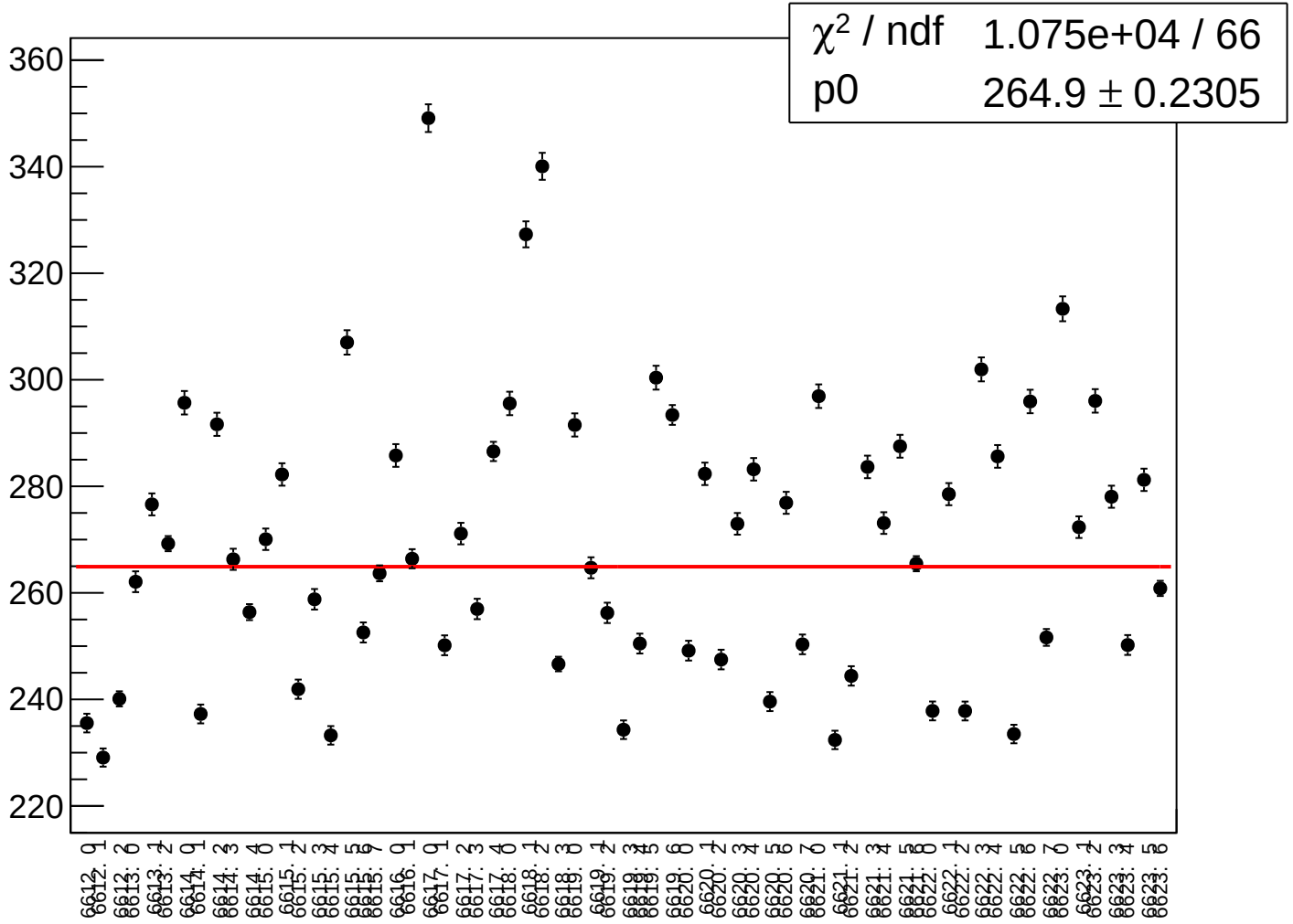

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 62.41 / 66
p0 110.3 ± 86.73
pull
Entries 67
Mean 45.5
Std Dev 26.86
pull1D
Entries 67
Mean −0.01487
Std Dev 0.965

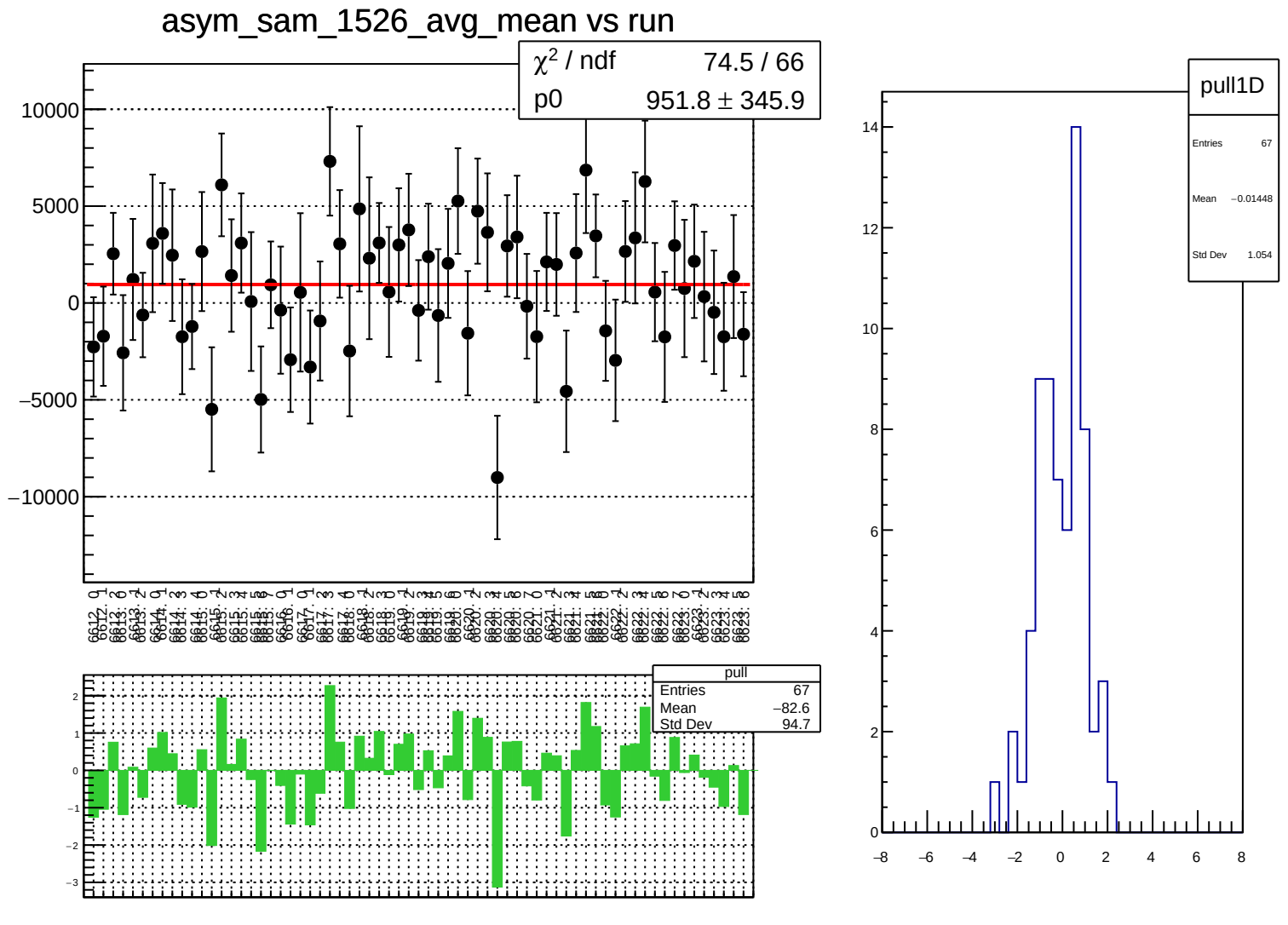
dit_asym_sam_1526_avg_rms vs run

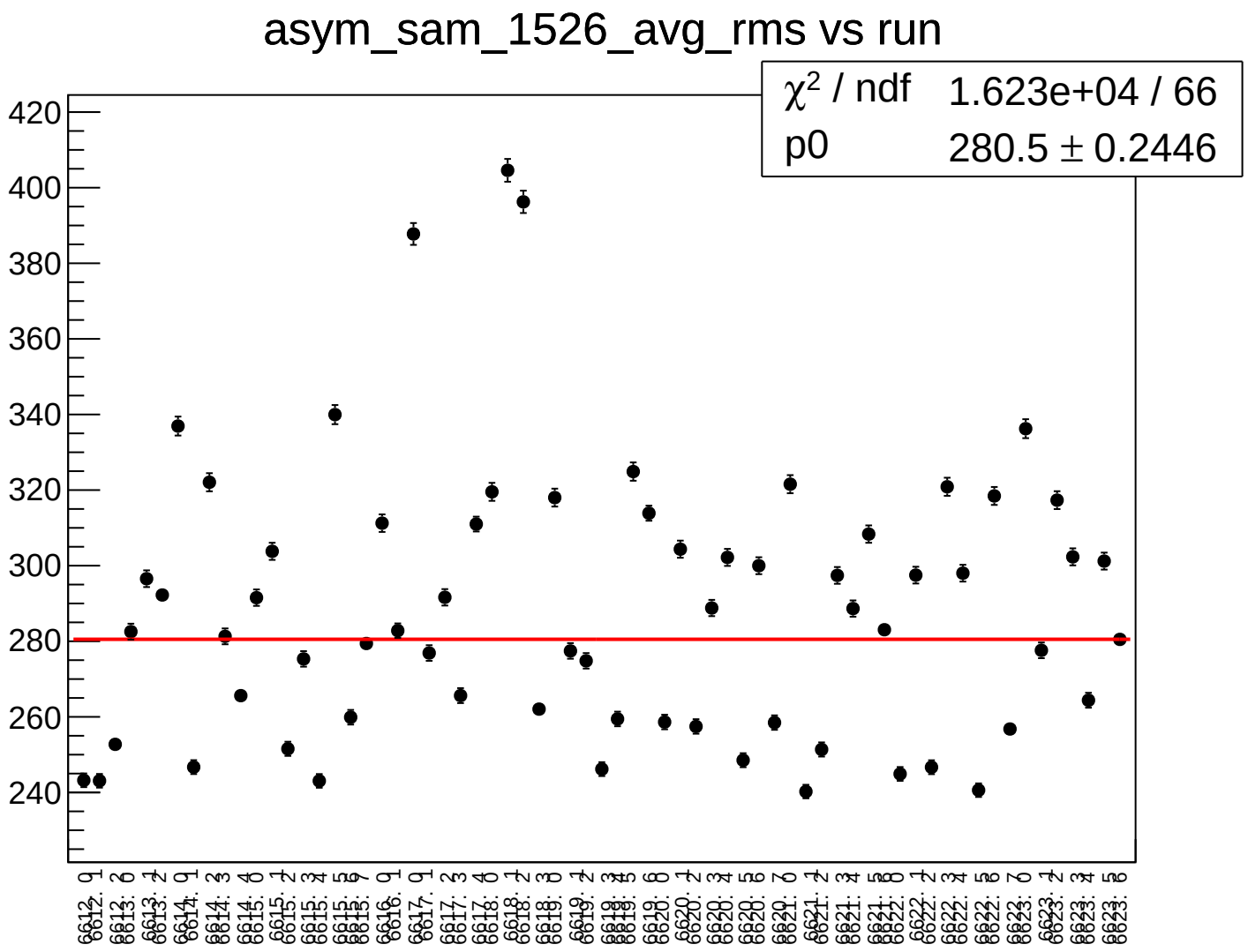


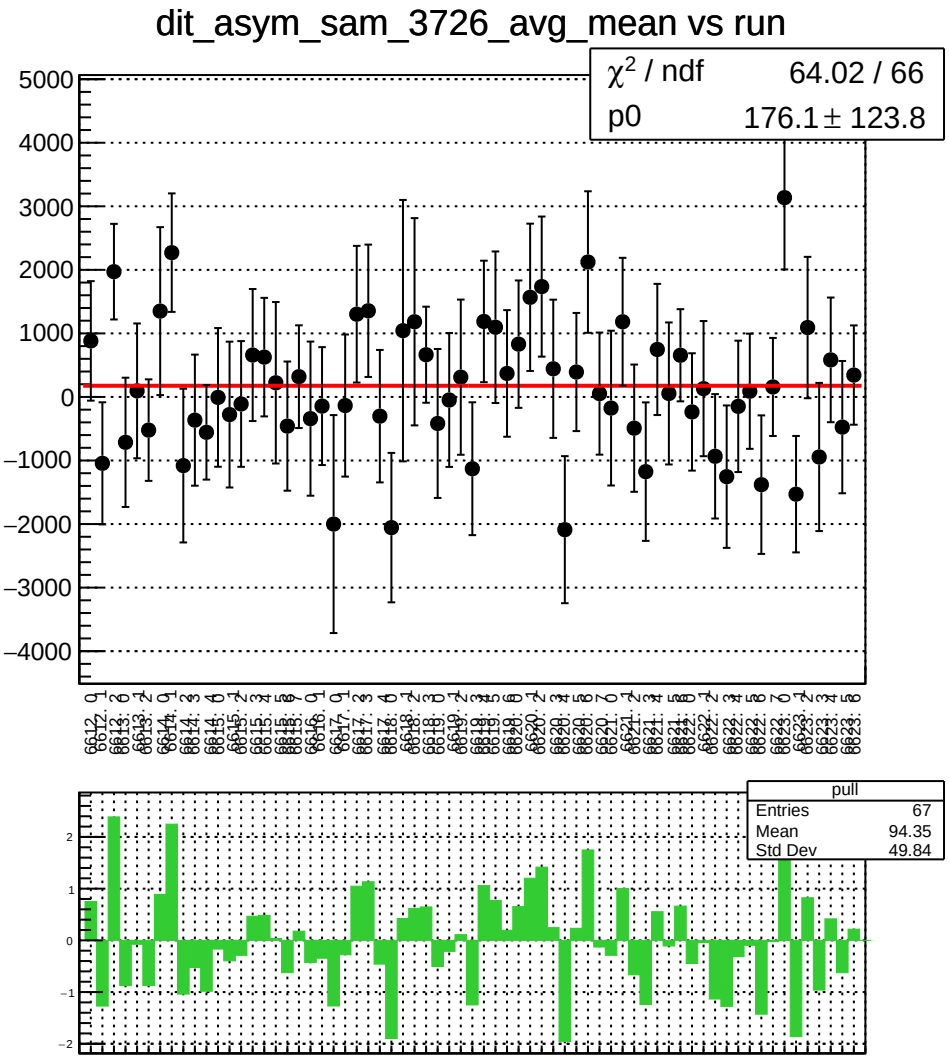

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 73.17 / 66
p0 −826.7 ± 326
10000
5000
0
−5000
−10000
pull
Entries 67
Mean −185.3
Std Dev 199.9
pull1D
Entries 67
Mean 0.008158
Std Dev 1.045

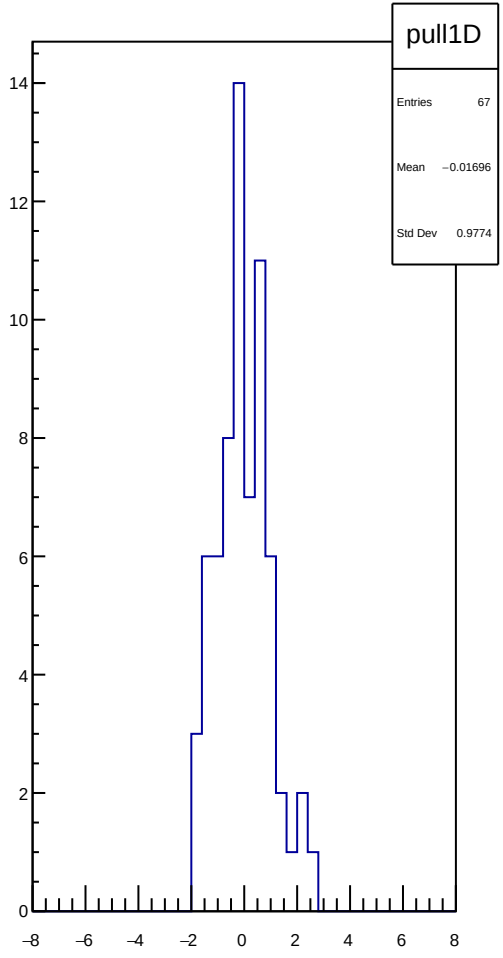
asym_sam_1526_avg_correction_rms vs run



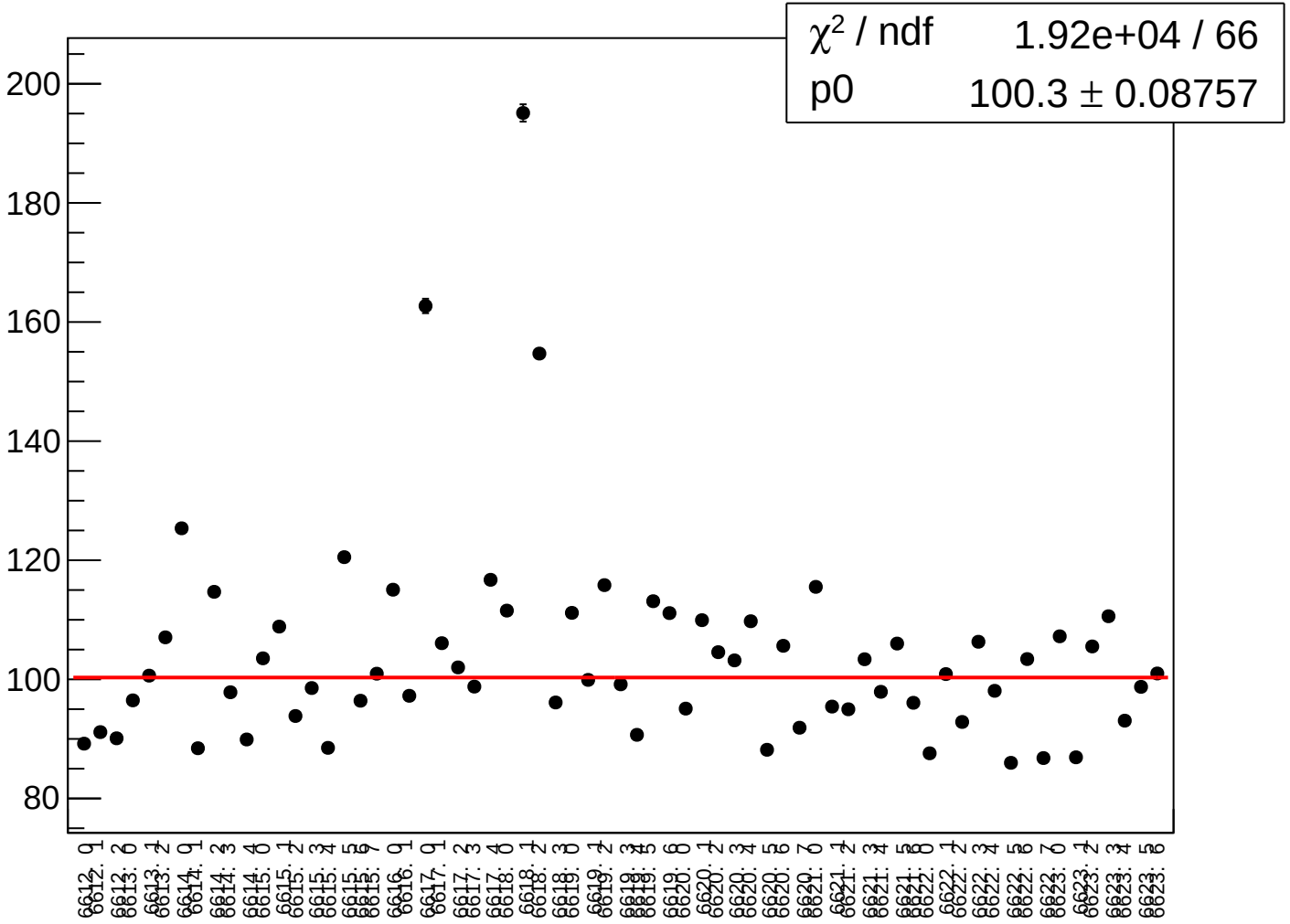

asym_sam_1526_avg_mean vs run
χ² / ndf 74.5 / 66
p0 951.8 ± 345.9
pull
Entries 67
Mean −82.6
Std Dev 94.7
pull1D
Entries 67
Mean −0.01448
Std Dev 1.054

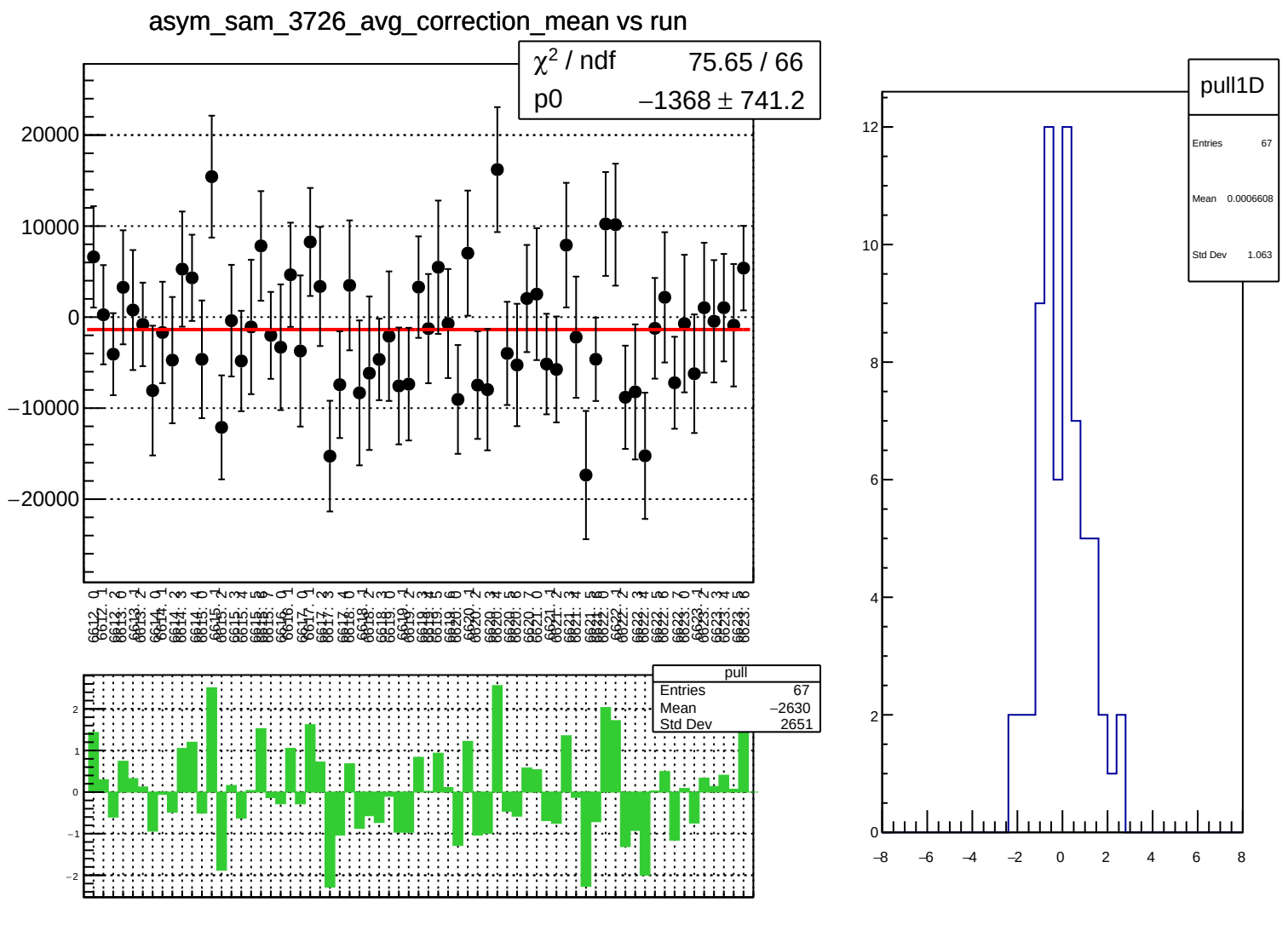

asym_sam_1526_avg_rms vs run
χ^2 / ndf 1.623e+04 / 66
p0 280.5 ± 0.2446
420
400
380
360
340
320
300
280
260
240

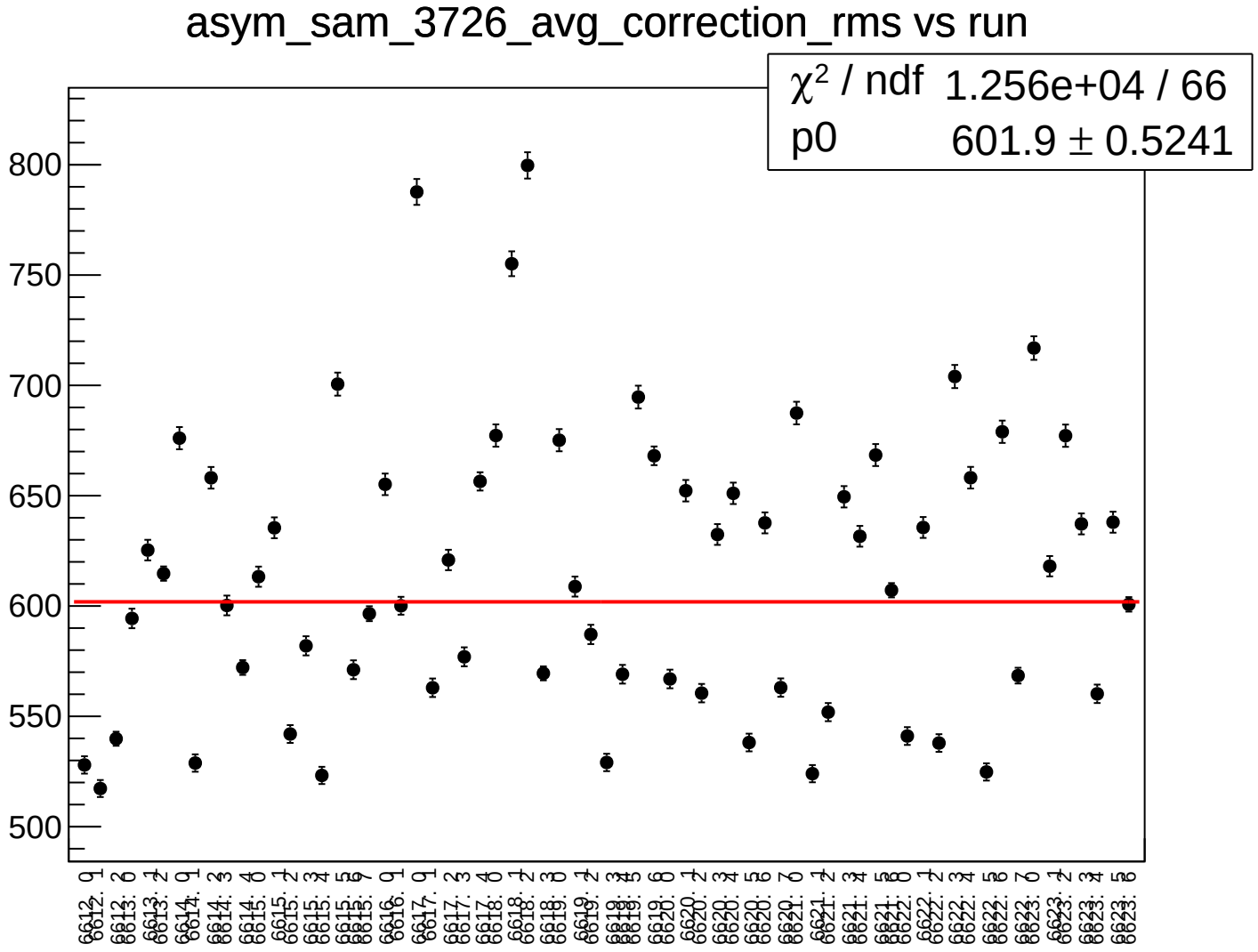

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 64.02 / 66
p0 176.1 ± 123.8
pull
Entries 67
Mean 94.35
Std Dev 49.84

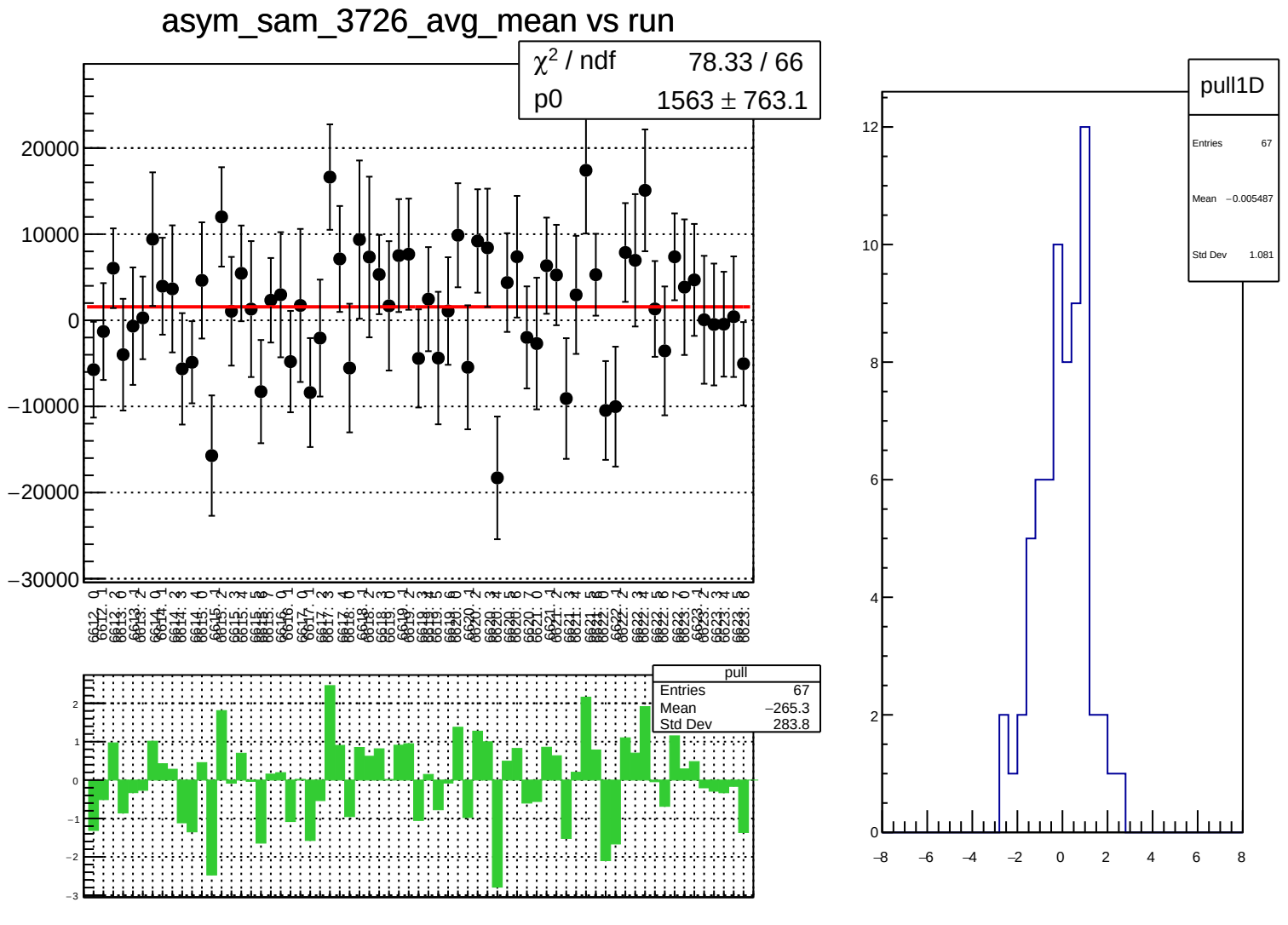

pull1D
Entries 67
Mean −0.01696
Std Dev 0.9774

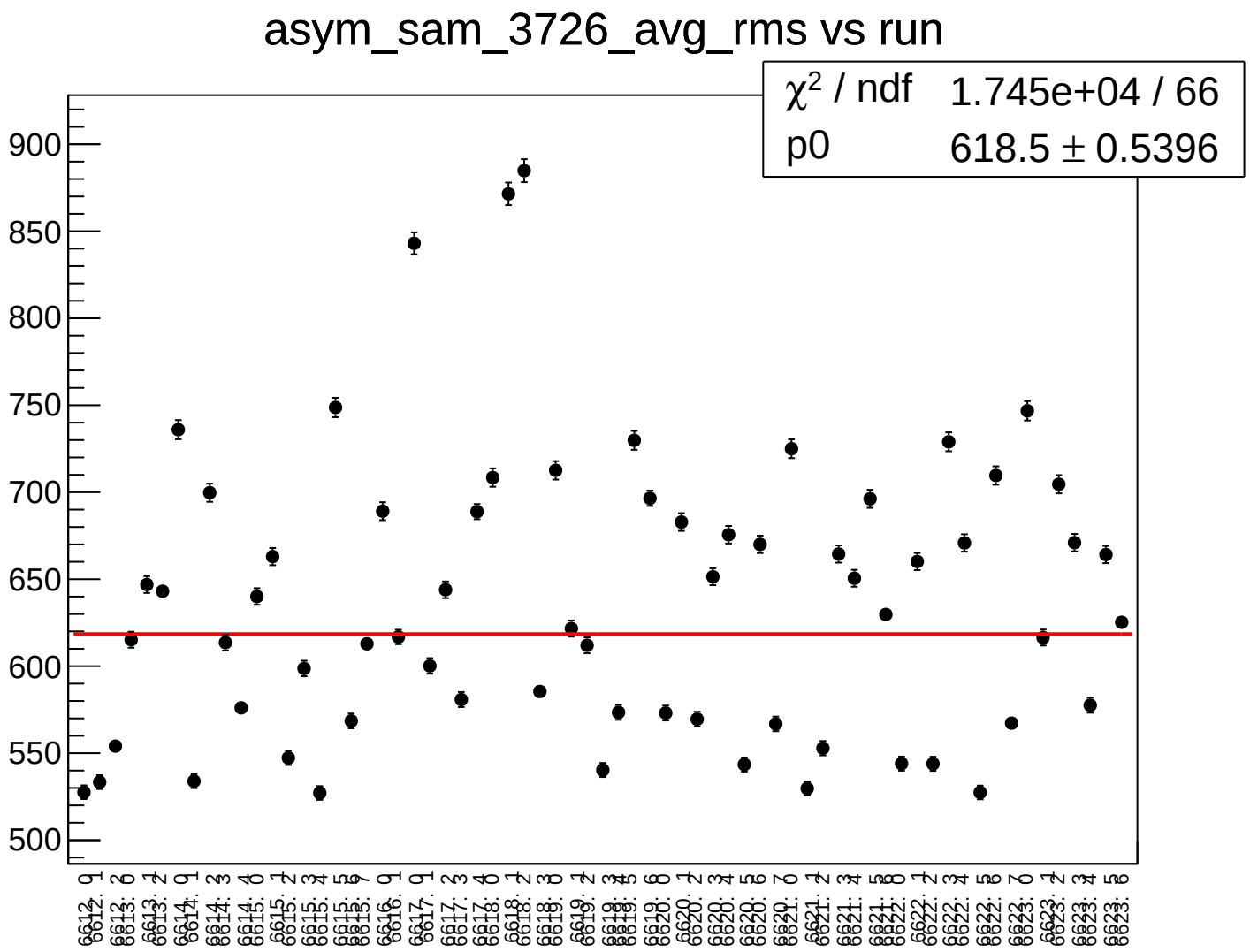
dit_asym_sam_3726_avg_rms vs run

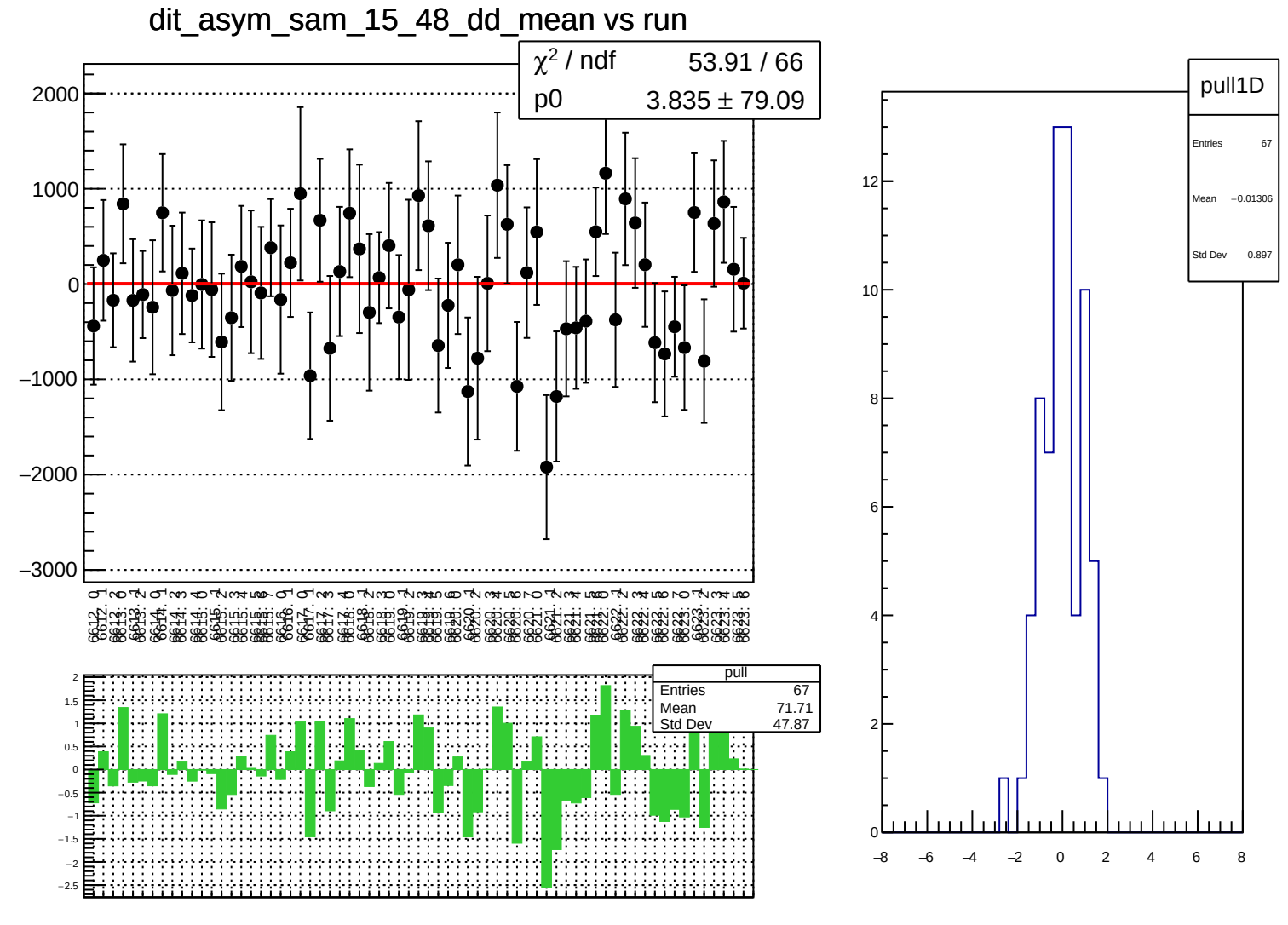



asym_sam_3726_avg_correction_mean vs run
χ² / ndf 75.65 / 66
p0 −1368 ± 741.2
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −2630
Std Dev 2651
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.0006608
Std Dev 1.063
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

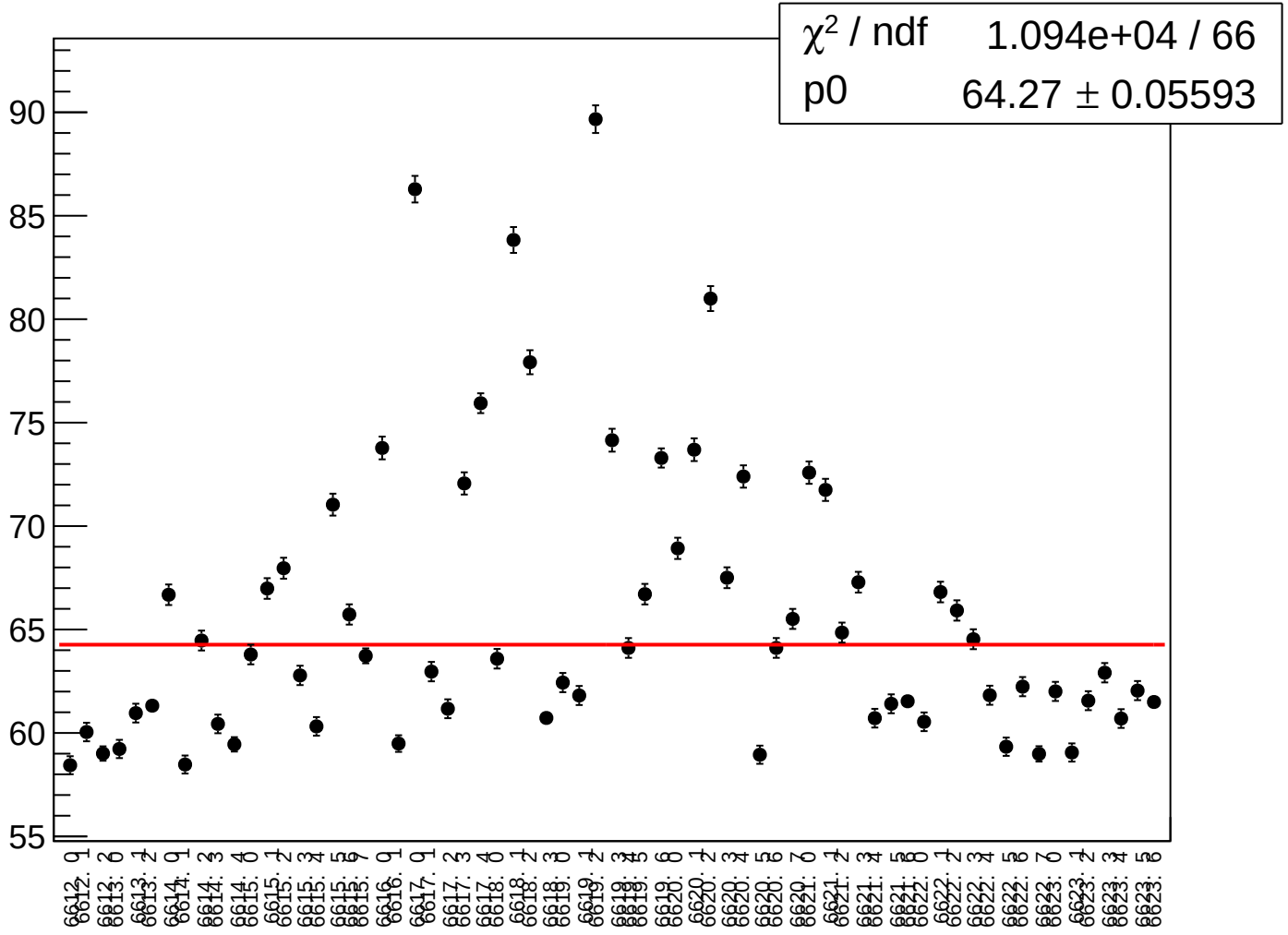

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.256e+04 / 66
p0 601.9 ± 0.5241
800
750
700
650
600
550
500

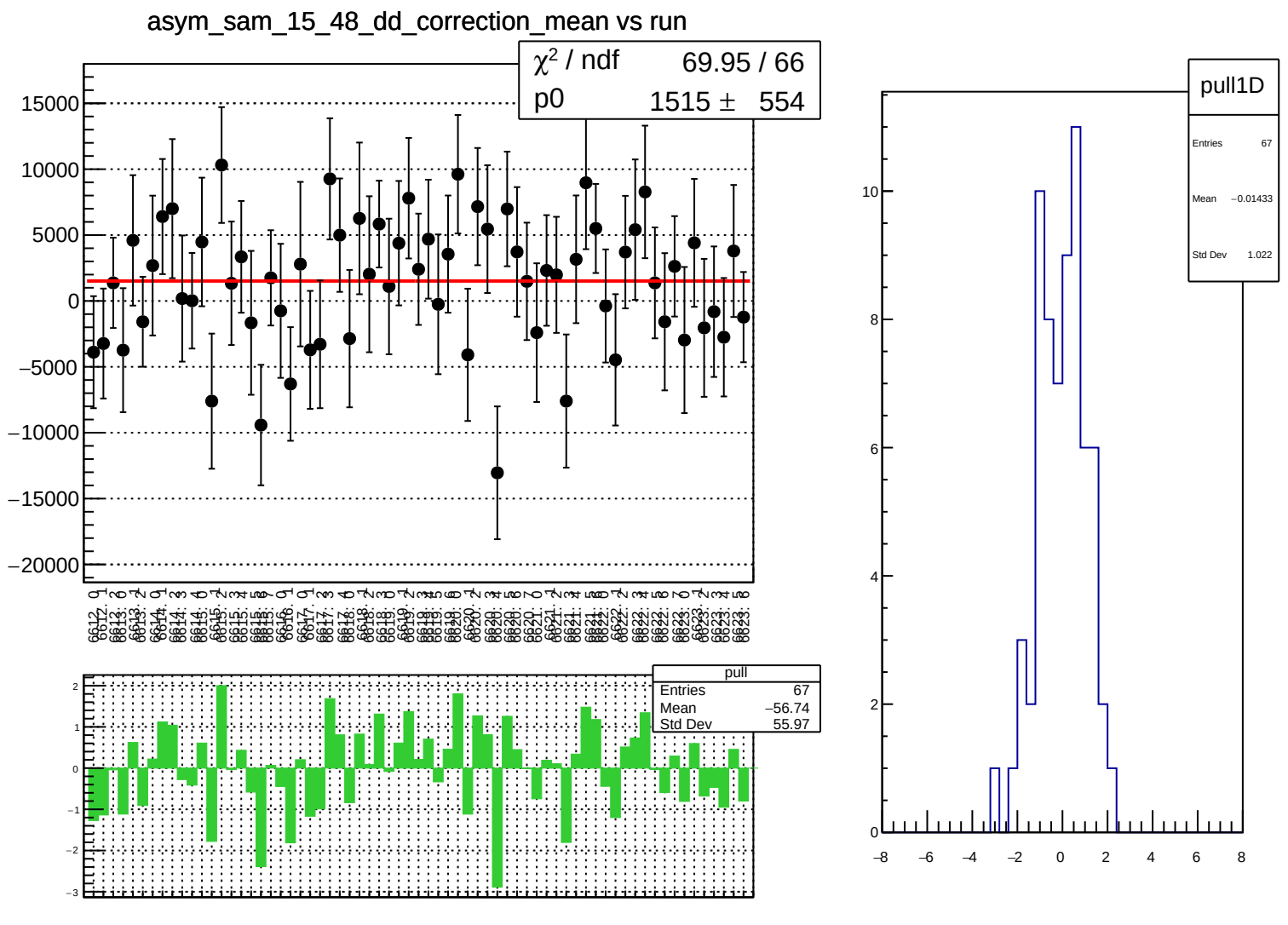

asym_sam_3726_avg_mean vs run
χ² / ndf 78.33 / 66
p0 1563 ± 763.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 67
Mean −265.3
Std Dev 283.8
2
1
0
−1
−2
−3
pull1D
Entries 67
Mean −0.005487
Std Dev 1.081
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

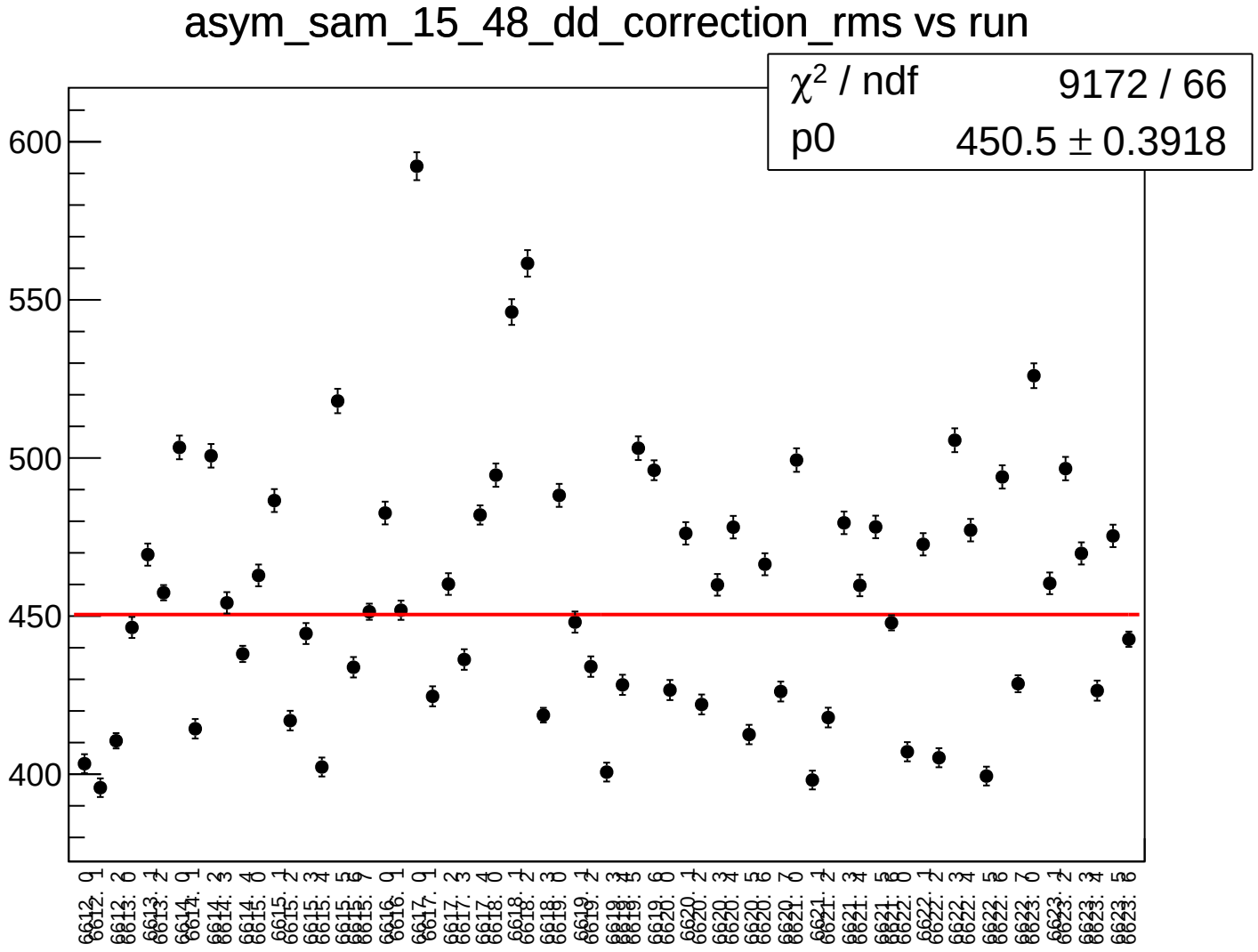

asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.745e+04 / 66
p0 618.5 ± 0.5396
900
850
800
750
700
650
600
550
500

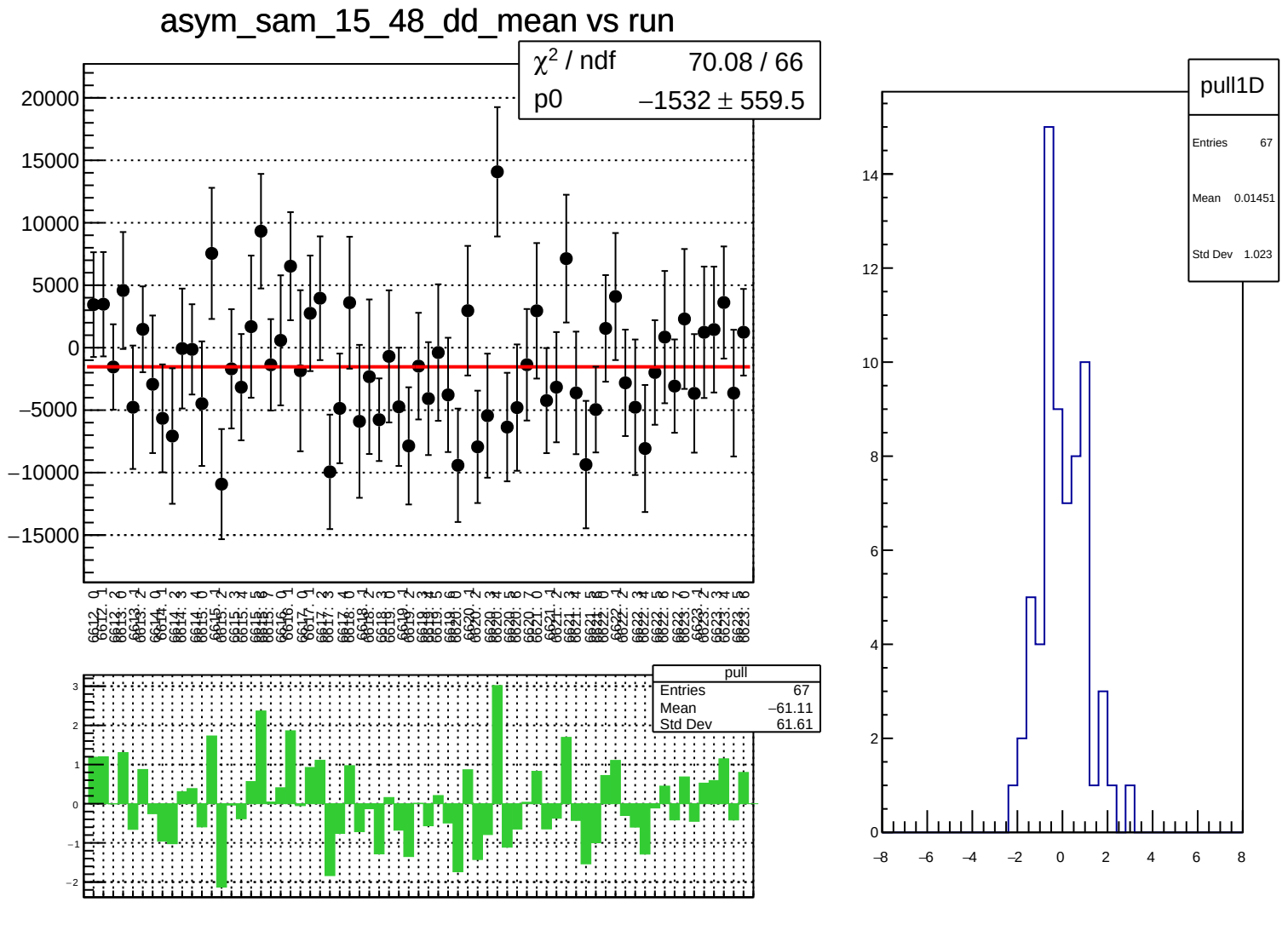

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 53.91 / 66
p0 3.835 ± 79.09
pull
Entries 67
Mean 71.71
Std Dev 47.87
pull1D
Entries 67
Mean −0.01306
Std Dev 0.897

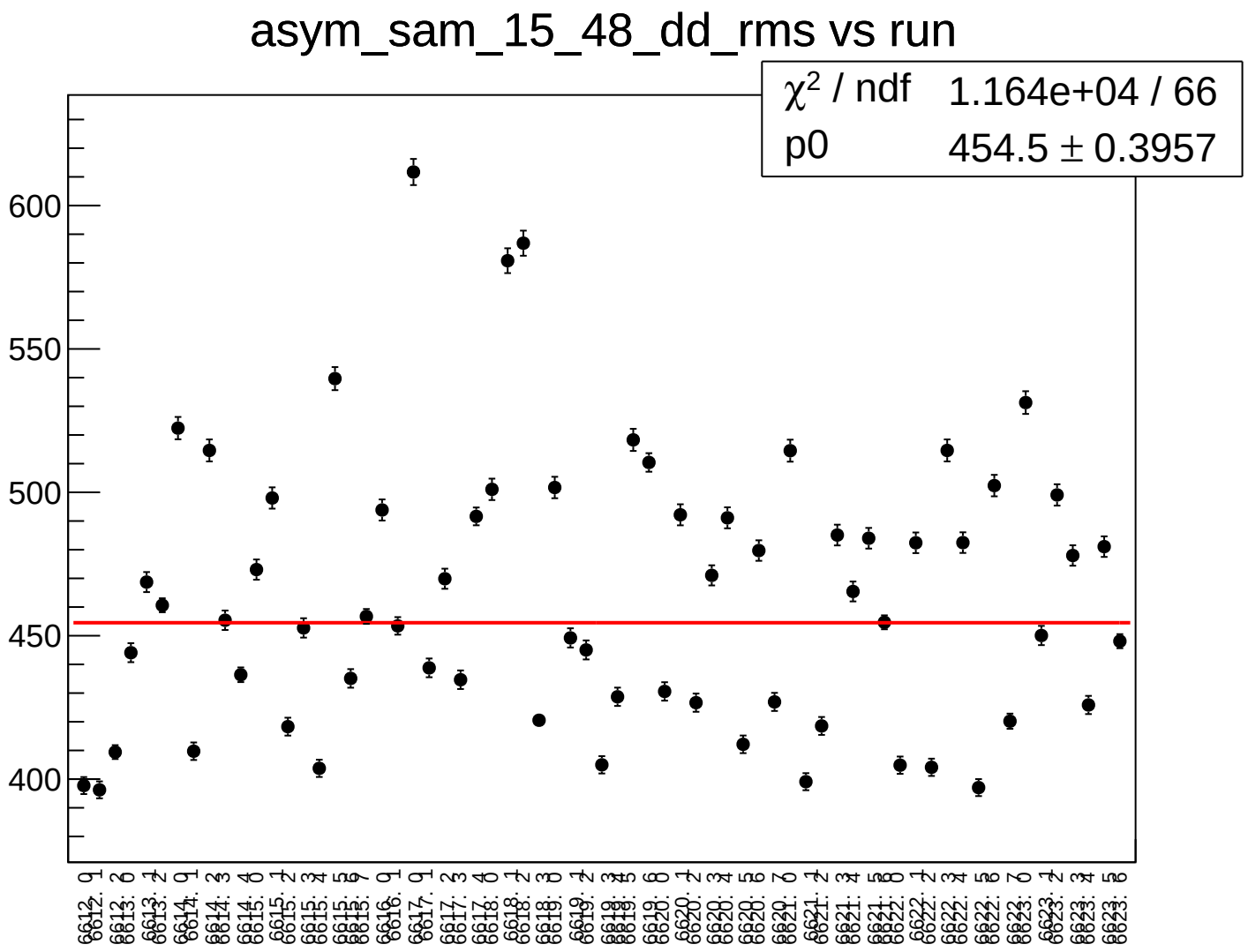
dit_asym_sam_15_48_dd_rms vs run

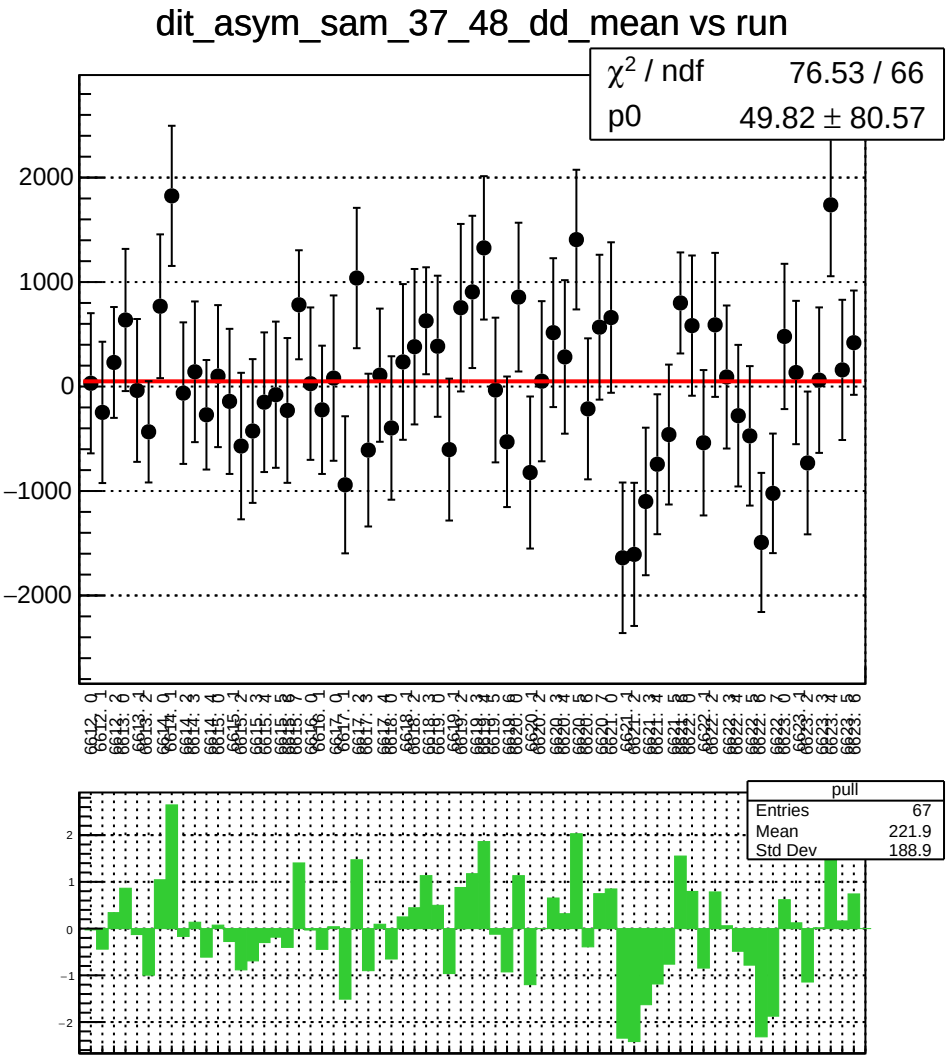


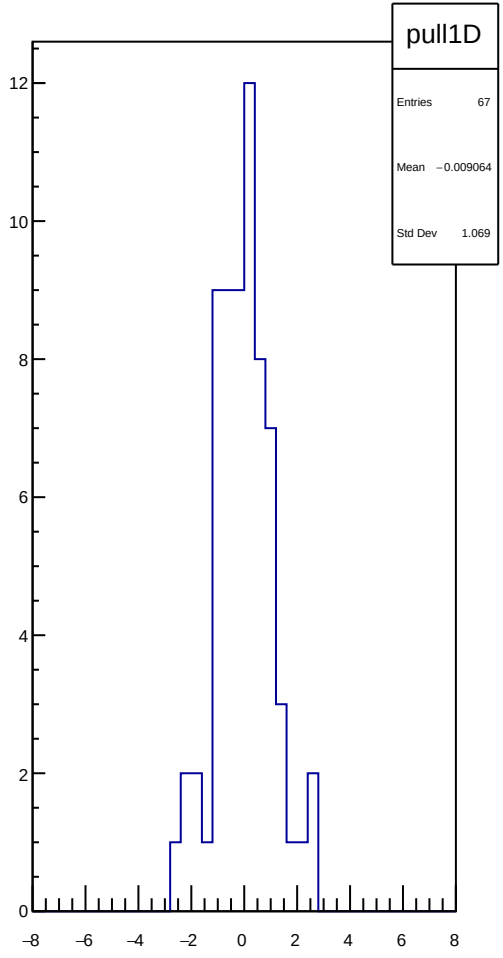

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 69.95 / 66
p0 1515 ± 554
pull
Entries 67
Mean −56.74
Std Dev 55.97
pull1D
Entries 67
Mean −0.01433
Std Dev 1.022

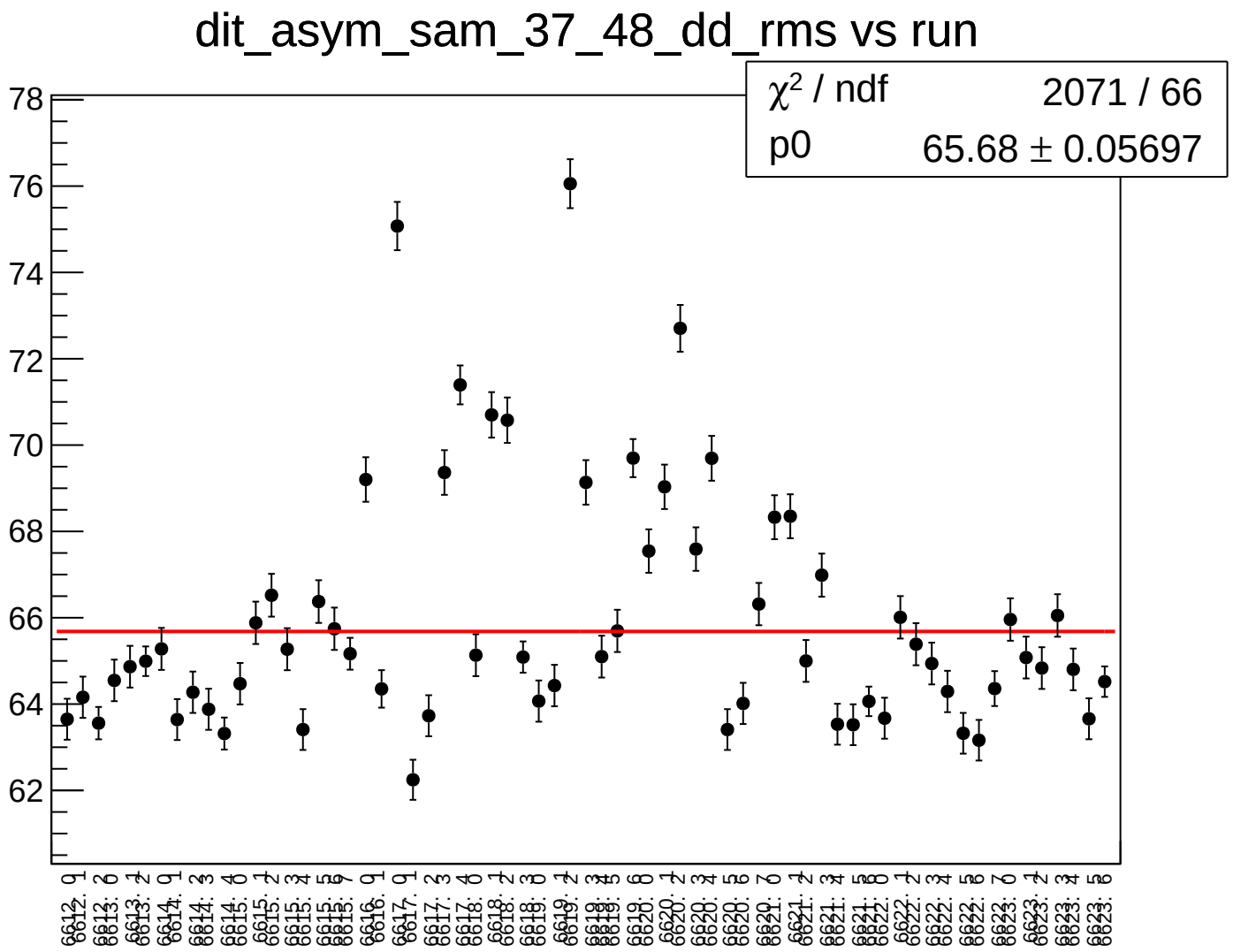

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 9172 / 66
p0 450.5 ± 0.3918
600
550
500
450
400

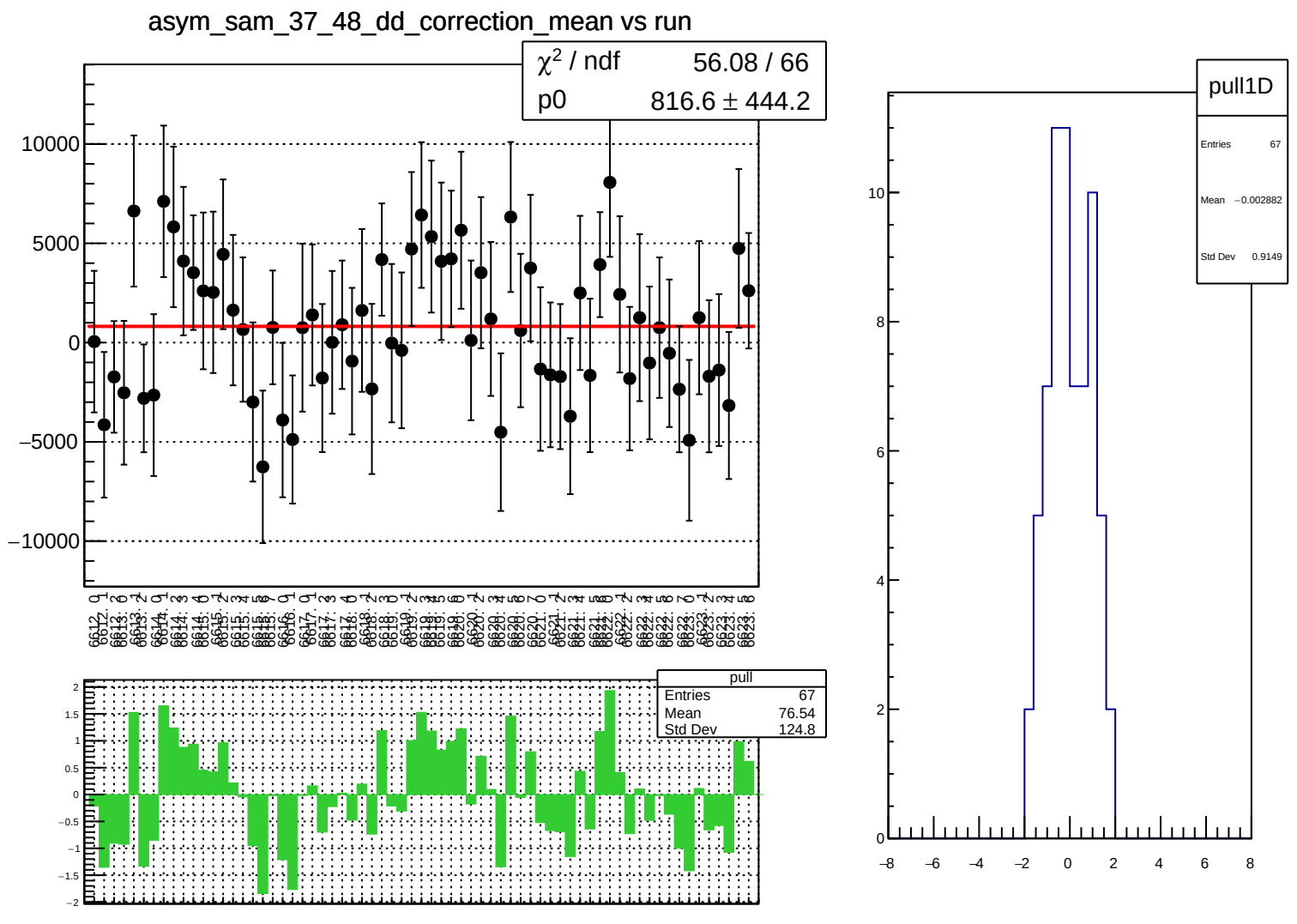

asym_sam_15_48_dd_mean vs run
χ² / ndf 70.08 / 66
p0 −1532 ± 559.5
pull
Entries 67
Mean −61.11
Std Dev 61.61
pull1D
Entries 67
Mean 0.01451
Std Dev 1.023

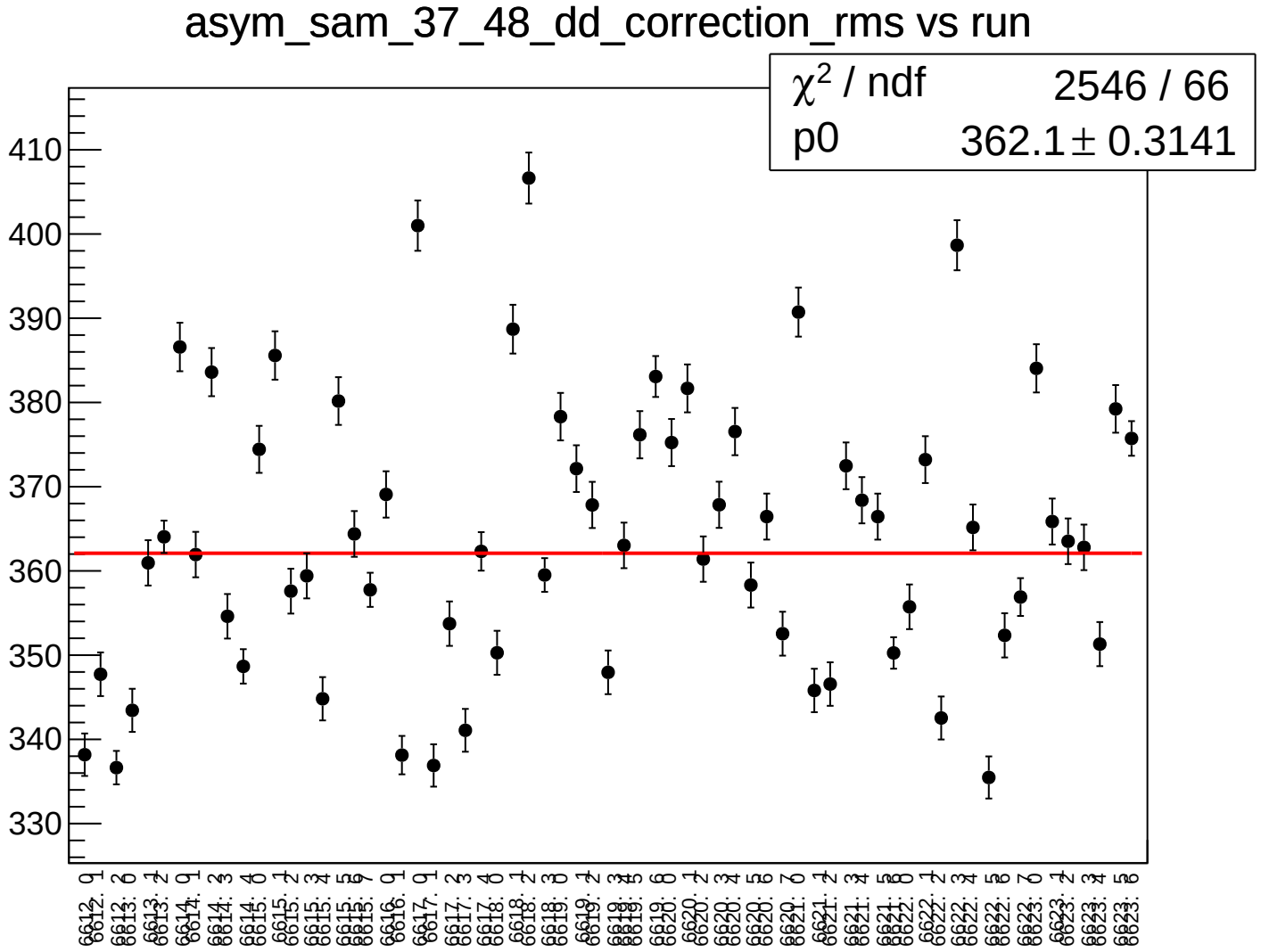

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.164e+04 / 66
p0 454.5 ± 0.3957
600
550
500
450
400

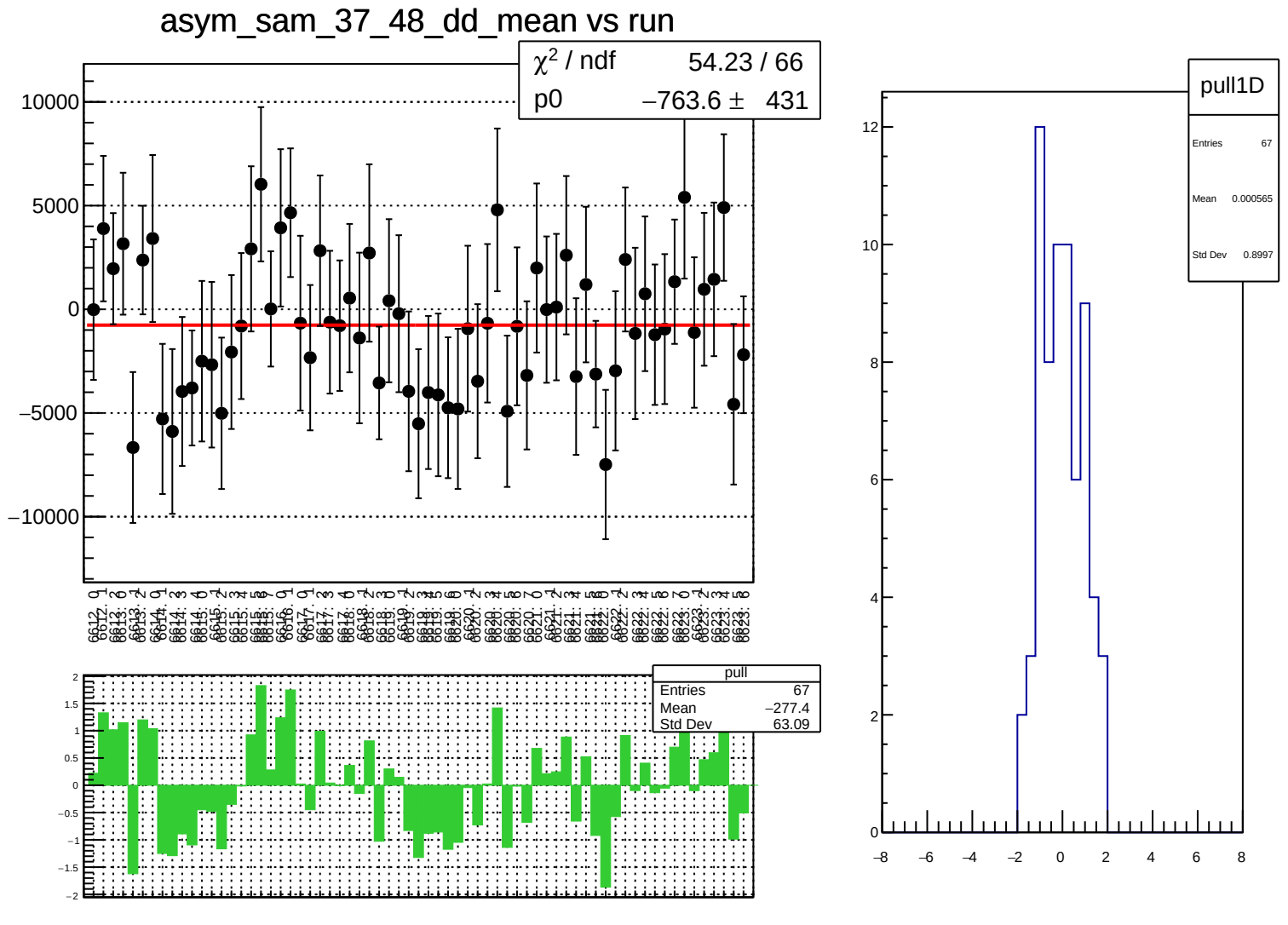

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 76.53 / 66
p0 49.82 ± 80.57
2000
1000
0
−1000
−2000
pull
Entries 67
Mean 221.9
Std Dev 188.9
2
1
0
−1
−2


pull1D
Entries 67
Mean −0.009064
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

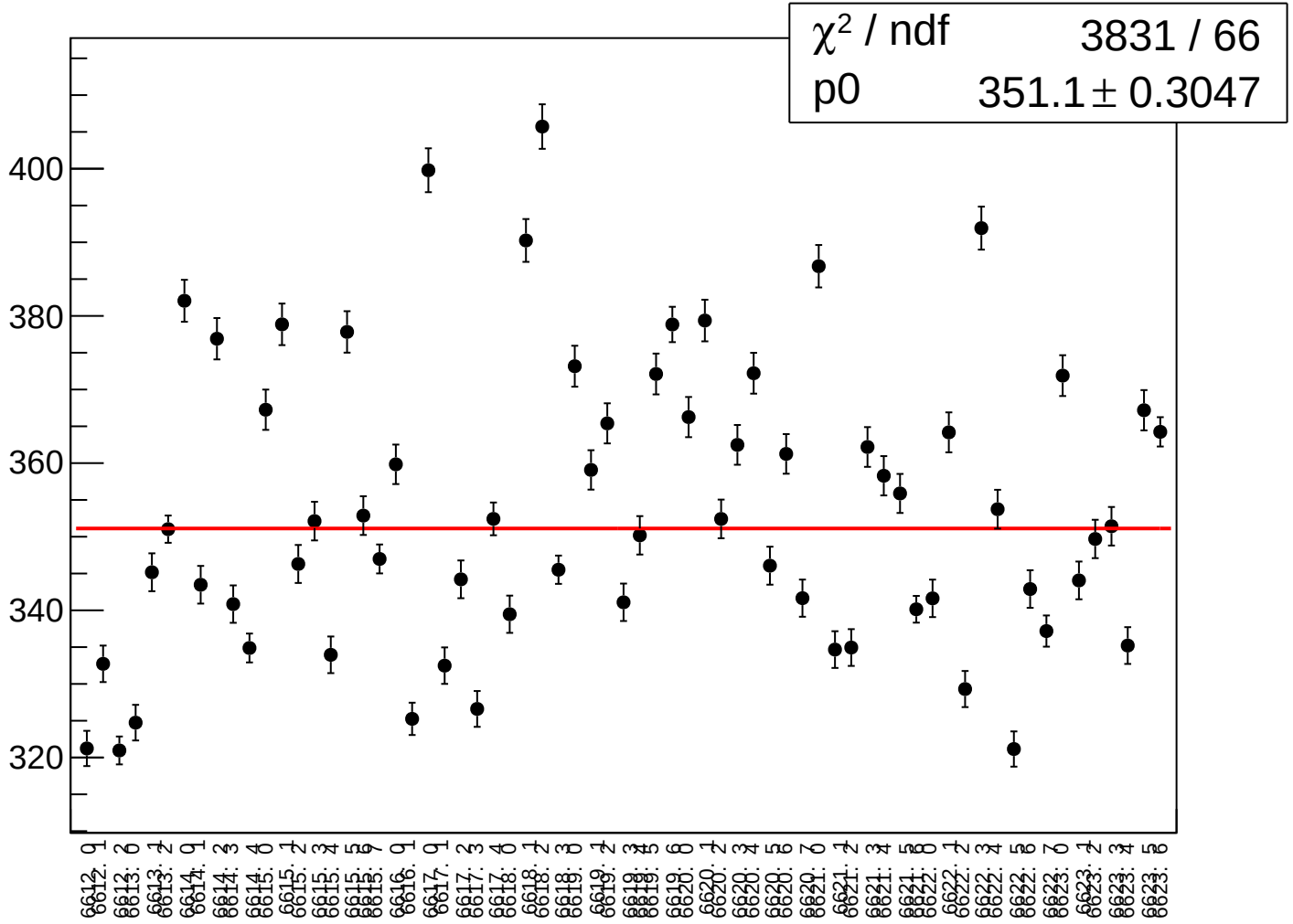

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2071 / 66
p0 65.68 ± 0.05697
78
76
74
72
70
68
66
64
62

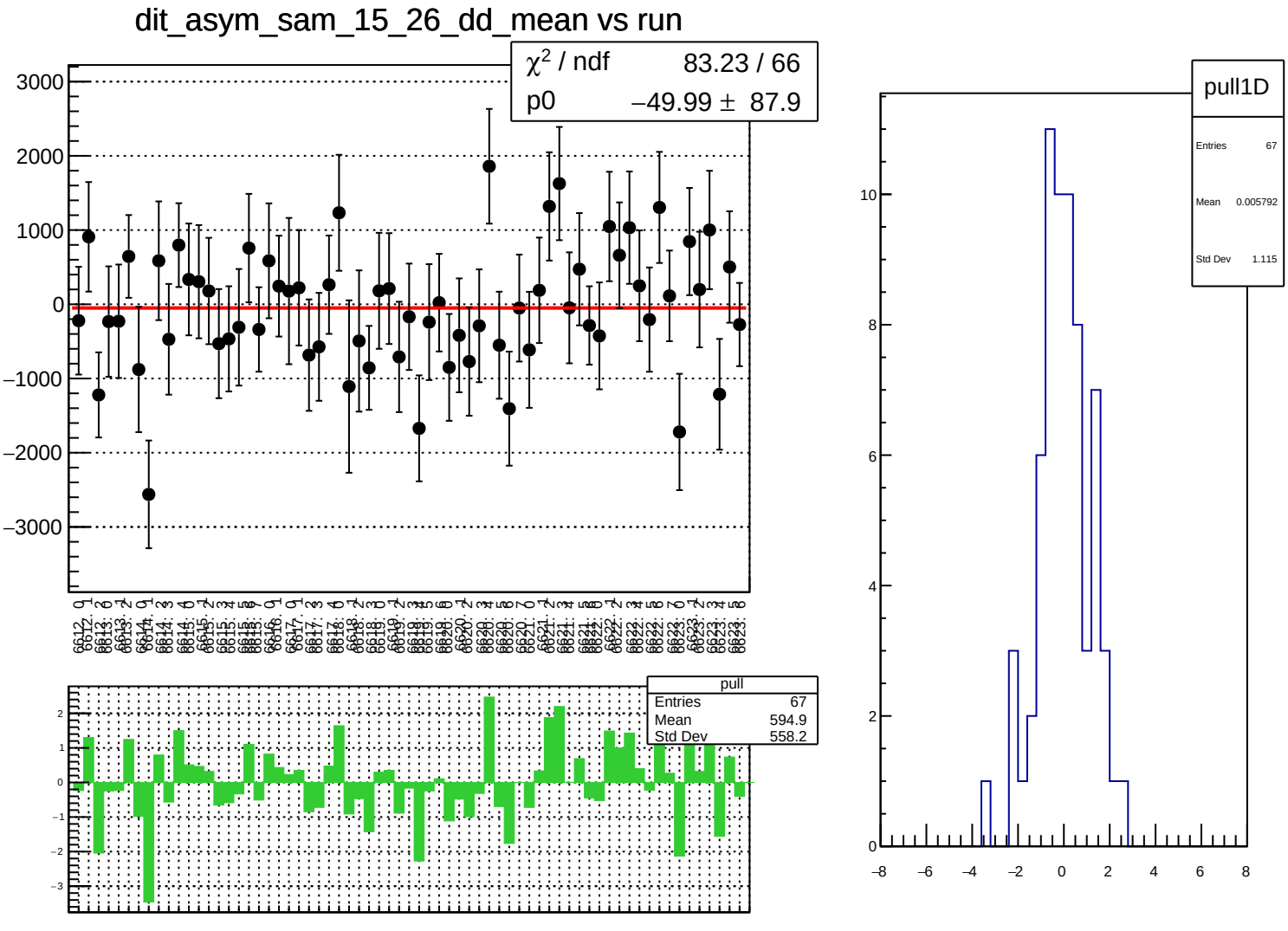

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 56.08 / 66
p0 816.6 ± 444.2
pull
Entries 67
Mean 76.54
Std Dev 124.8
pull1D
Entries 67
Mean −0.002882
Std Dev 0.9149


asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 2546 / 66
p0 362.1 ± 0.3141
410
400
390
380
370
360
350
340
330

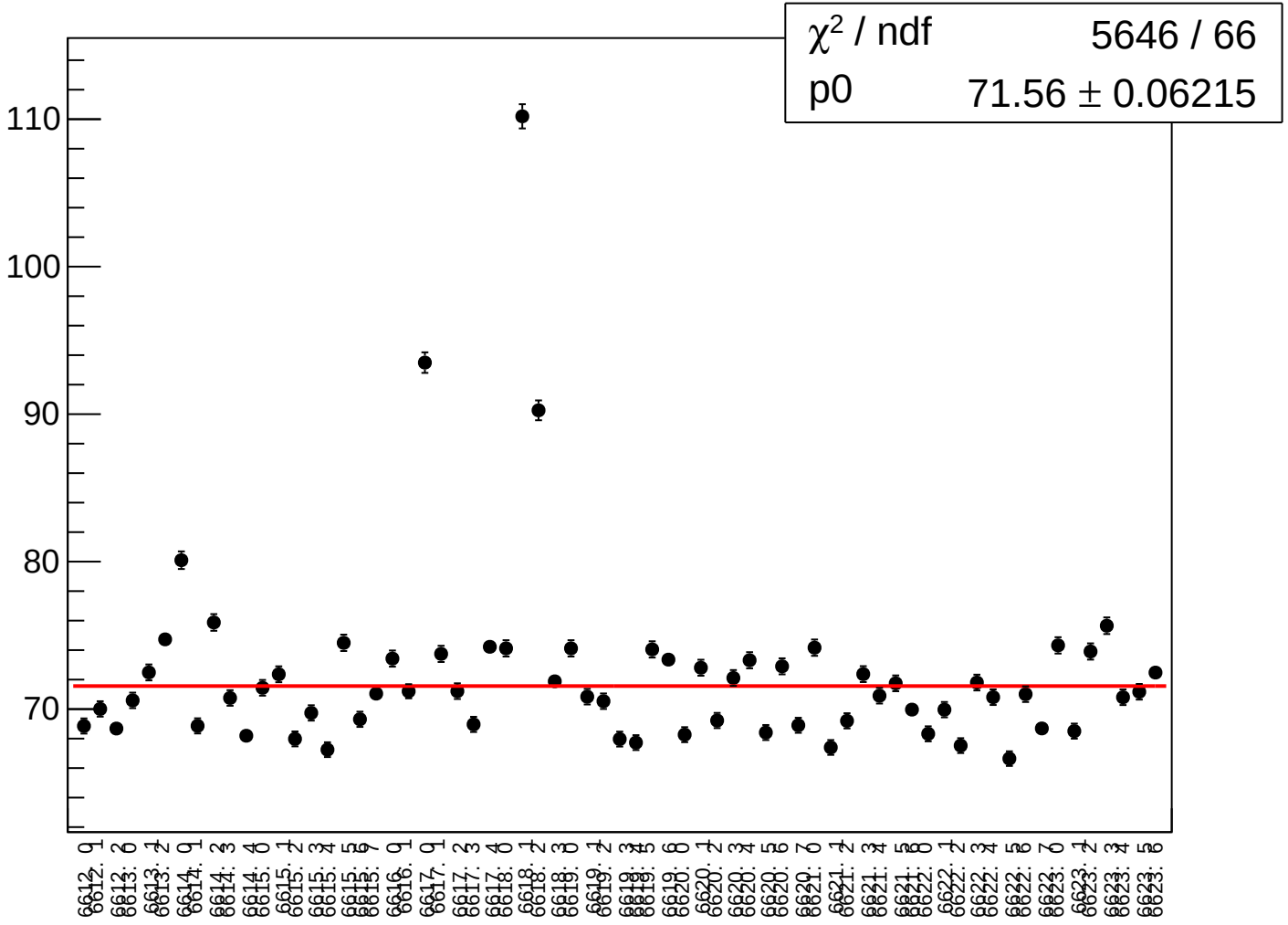

asym_sam_37_48_dd_mean vs run
χ² / ndf 54.23 / 66
p0 −763.6 ± 431
10000
5000
0
−5000
−10000
pull
Entries 67
Mean −277.4
Std Dev 63.09
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 67
Mean 0.000565
Std Dev 0.8997
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

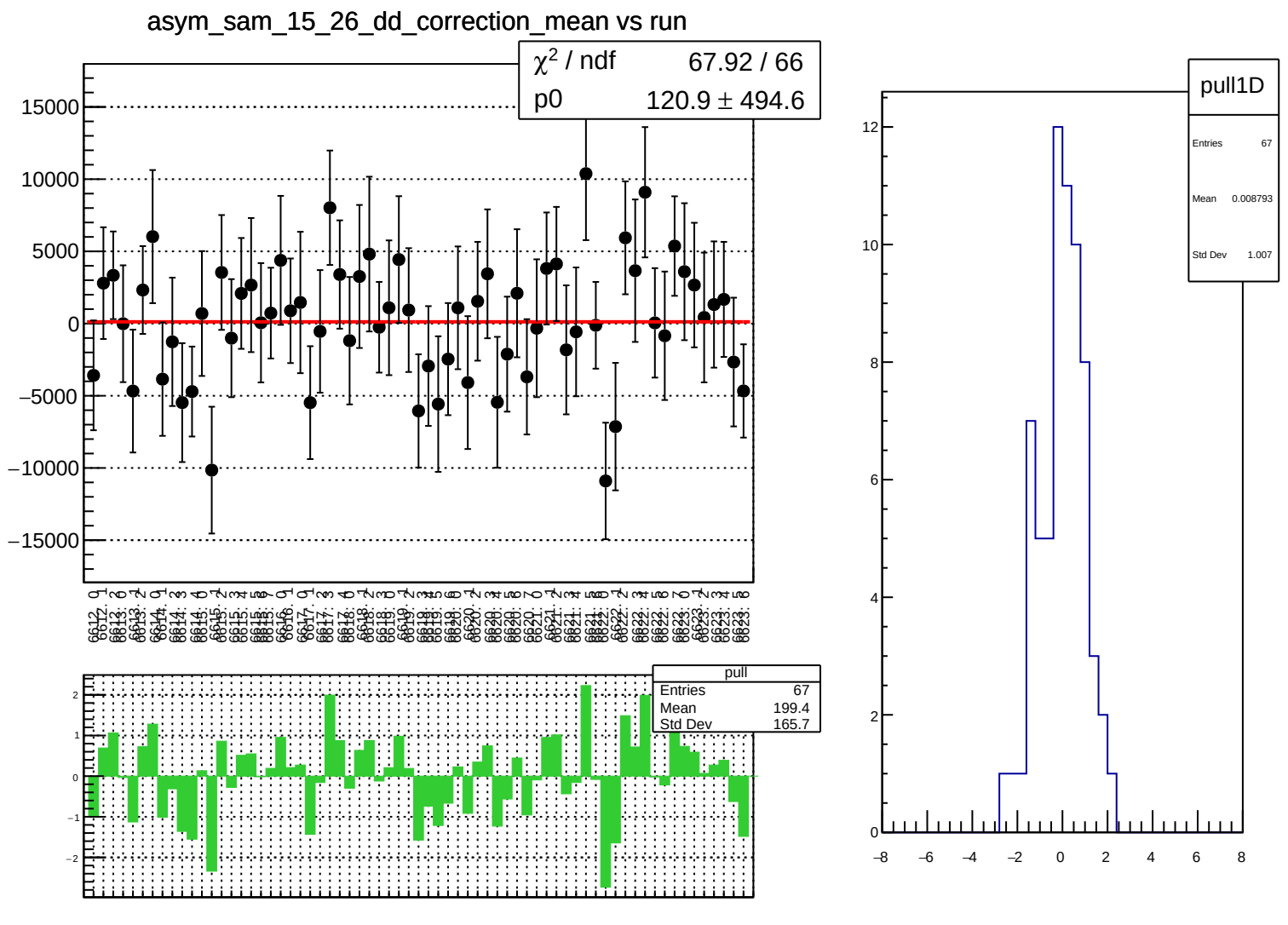
asym_sam_37_48_dd_rms vs run

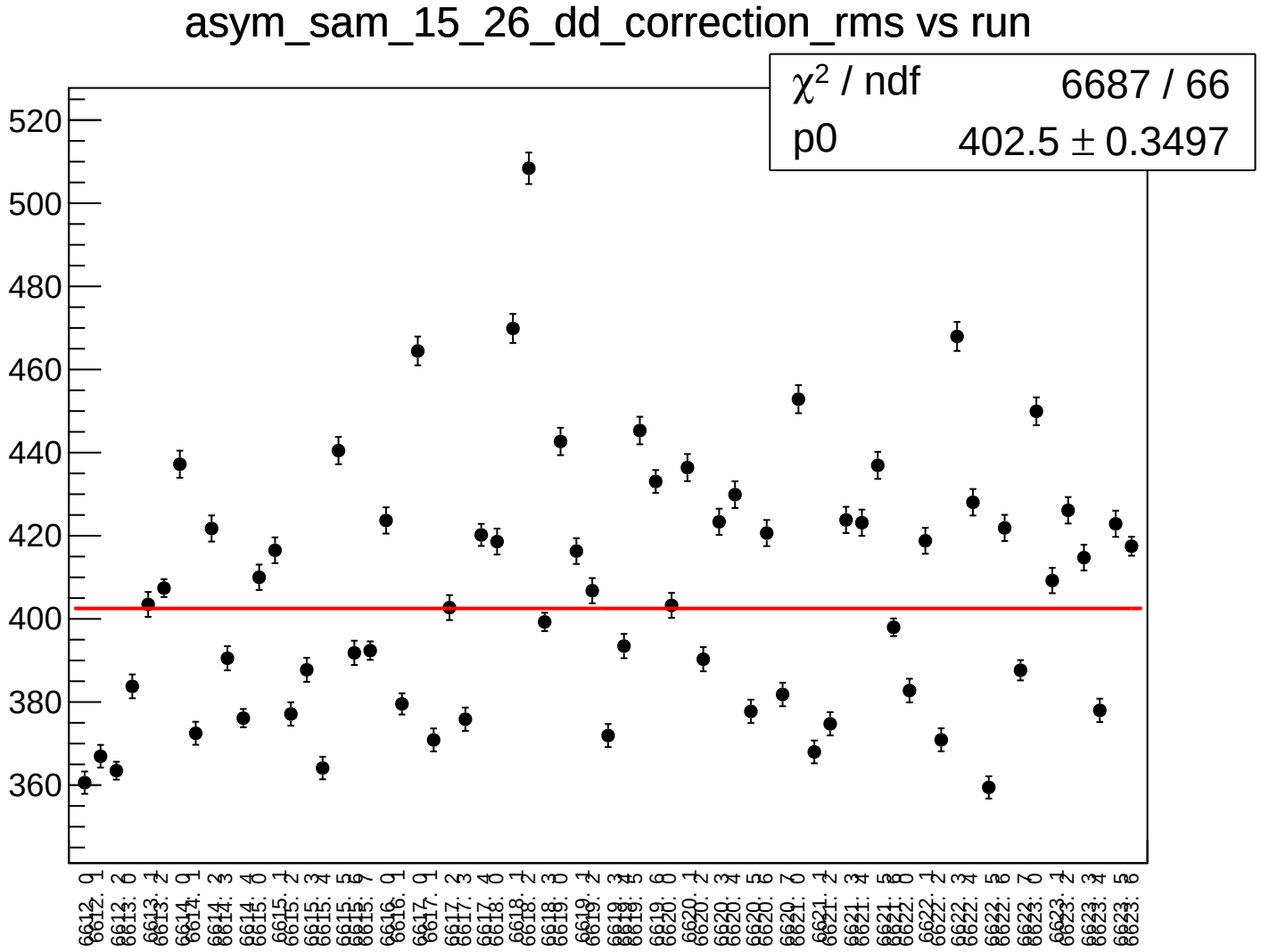


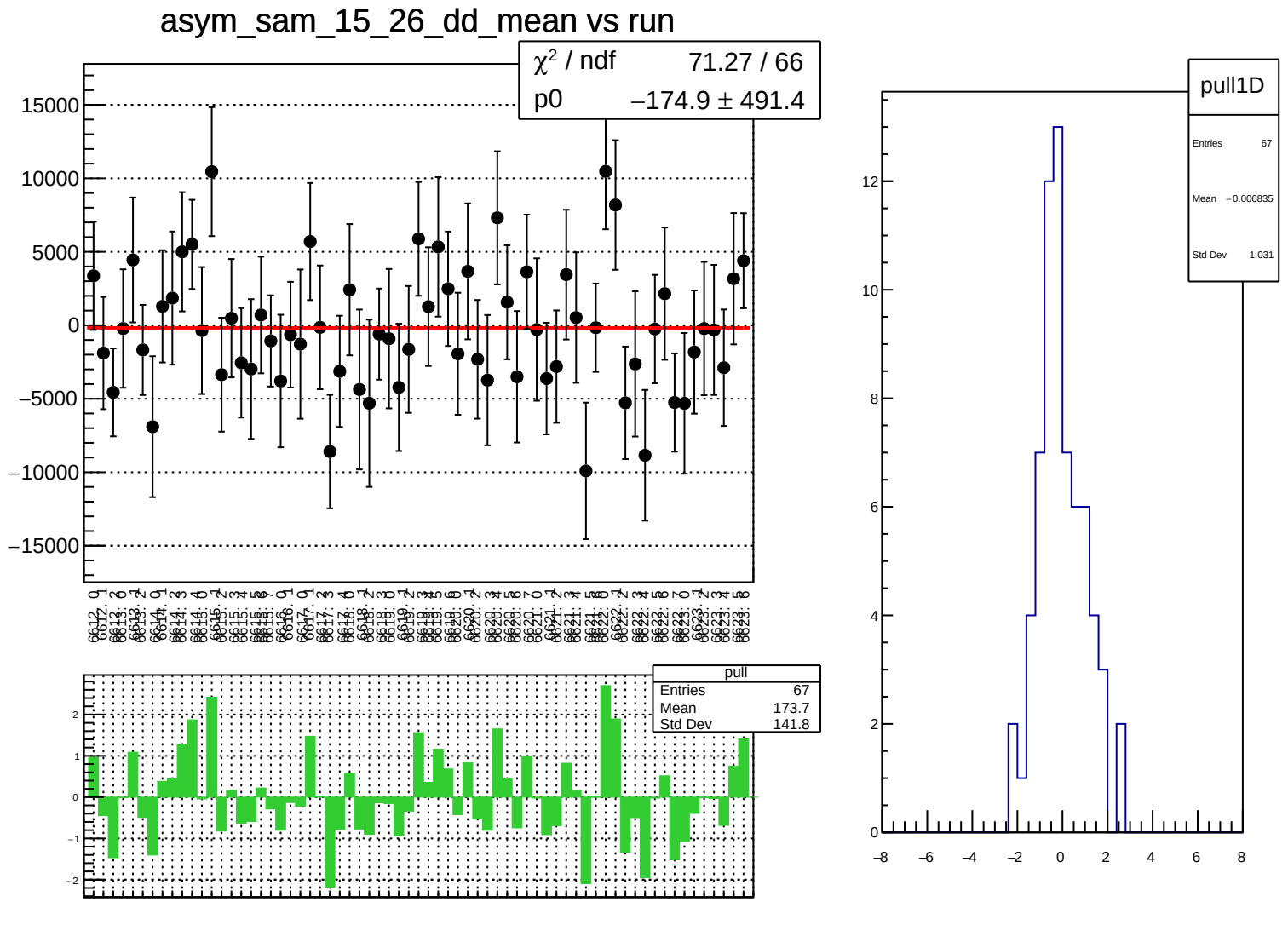

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 83.23 / 66
p0 −49.99 ± 87.9
pull
Entries 67
Mean 594.9
Std Dev 558.2
pull1D
Entries 67
Mean 0.005792
Std Dev 1.115

dit_asym_sam_15_26_dd_rms vs run

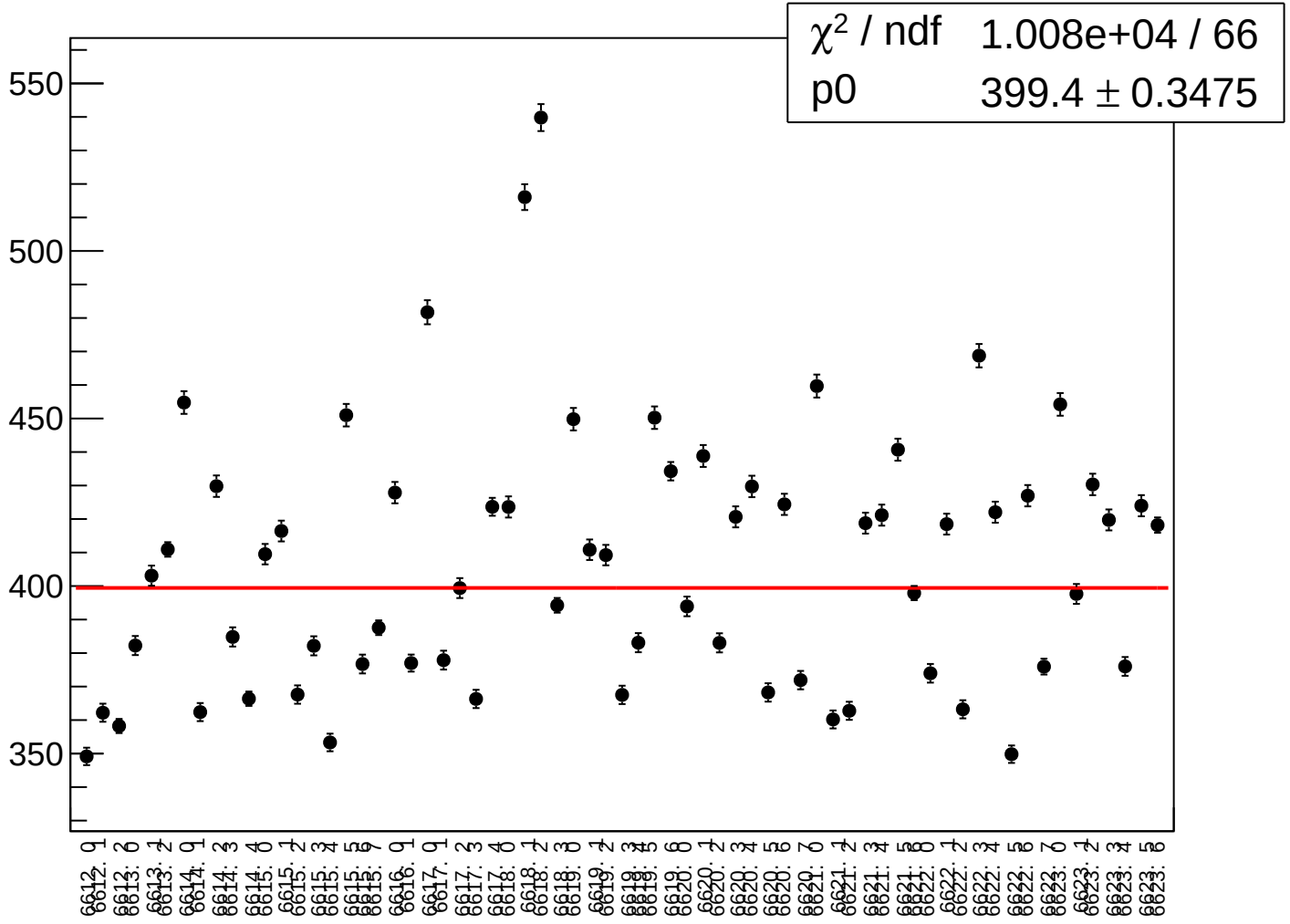


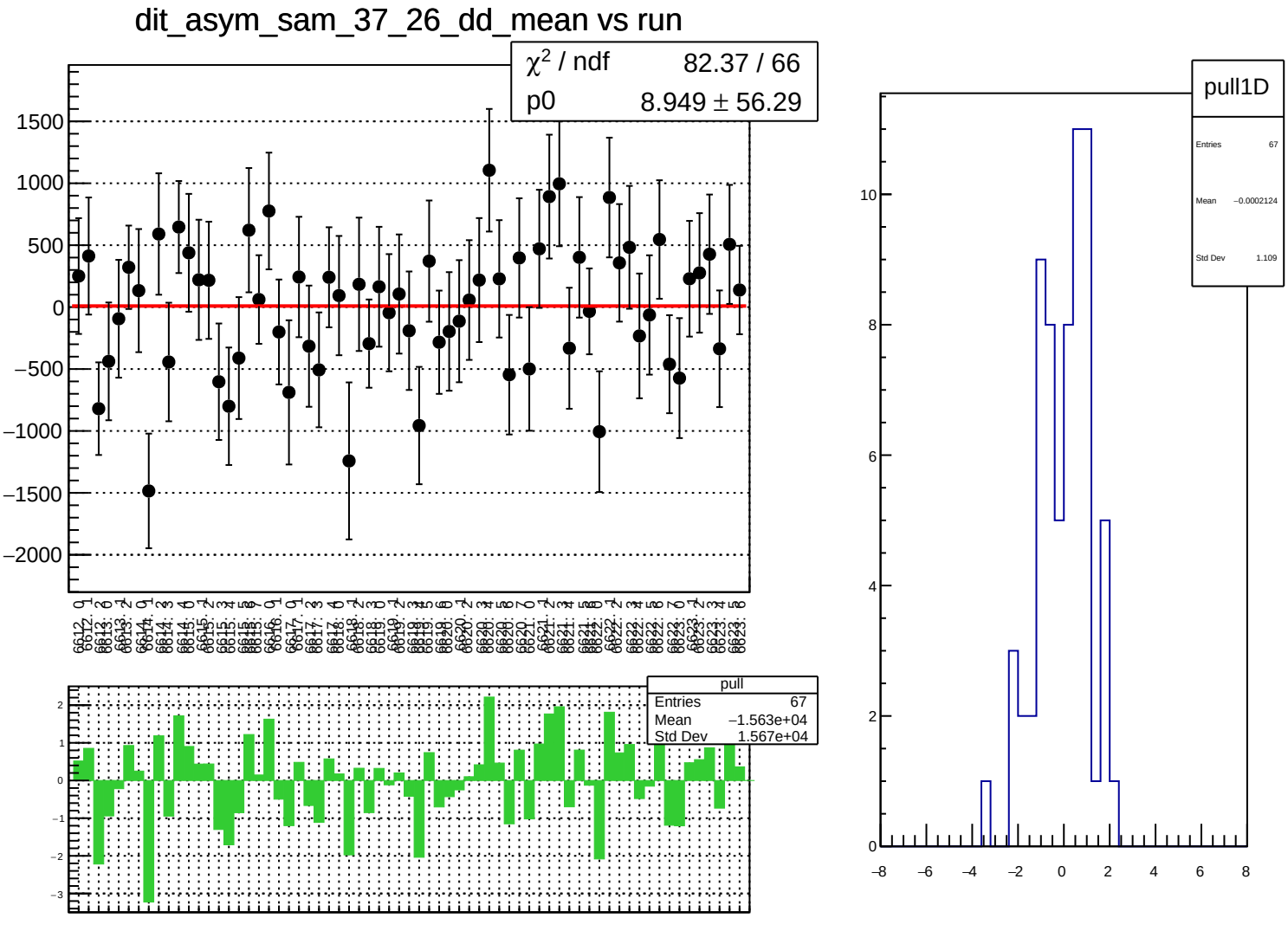

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 67.92 / 66
p0 120.9 ± 494.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 199.4
Std Dev 165.7
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.008793
Std Dev 1.007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 6687 / 66
p0 402.5 ± 0.3497
520
500
480
460
440
420
400
380
360

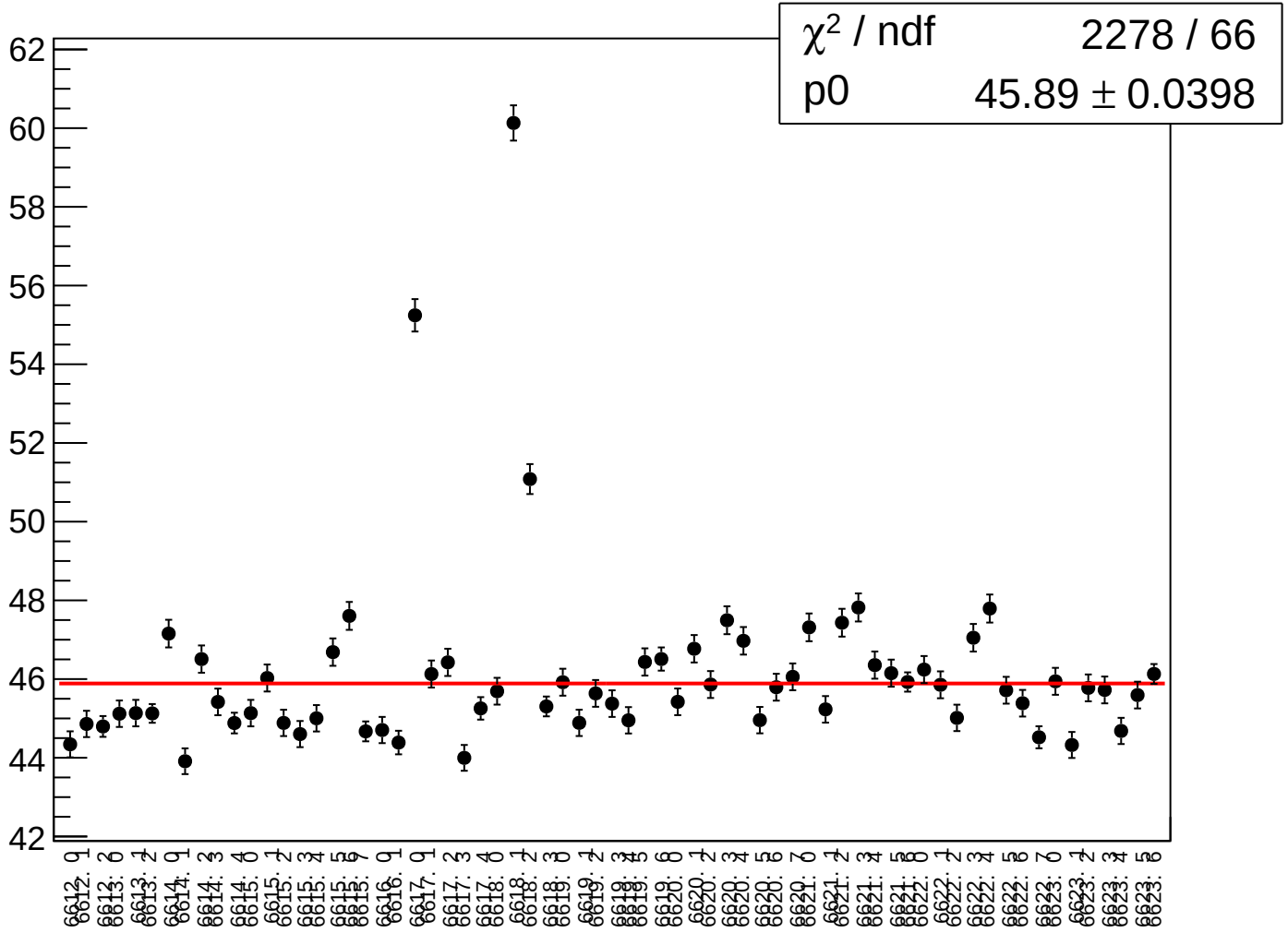

asym_sam_15_26_dd_mean vs run
χ² / ndf 71.27 / 66
p0 −174.9 ± 491.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean 173.7
Std Dev 141.8
2
1
0
−1
−2
pull1D
Entries 67
Mean −0.006835
Std Dev 1.031
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

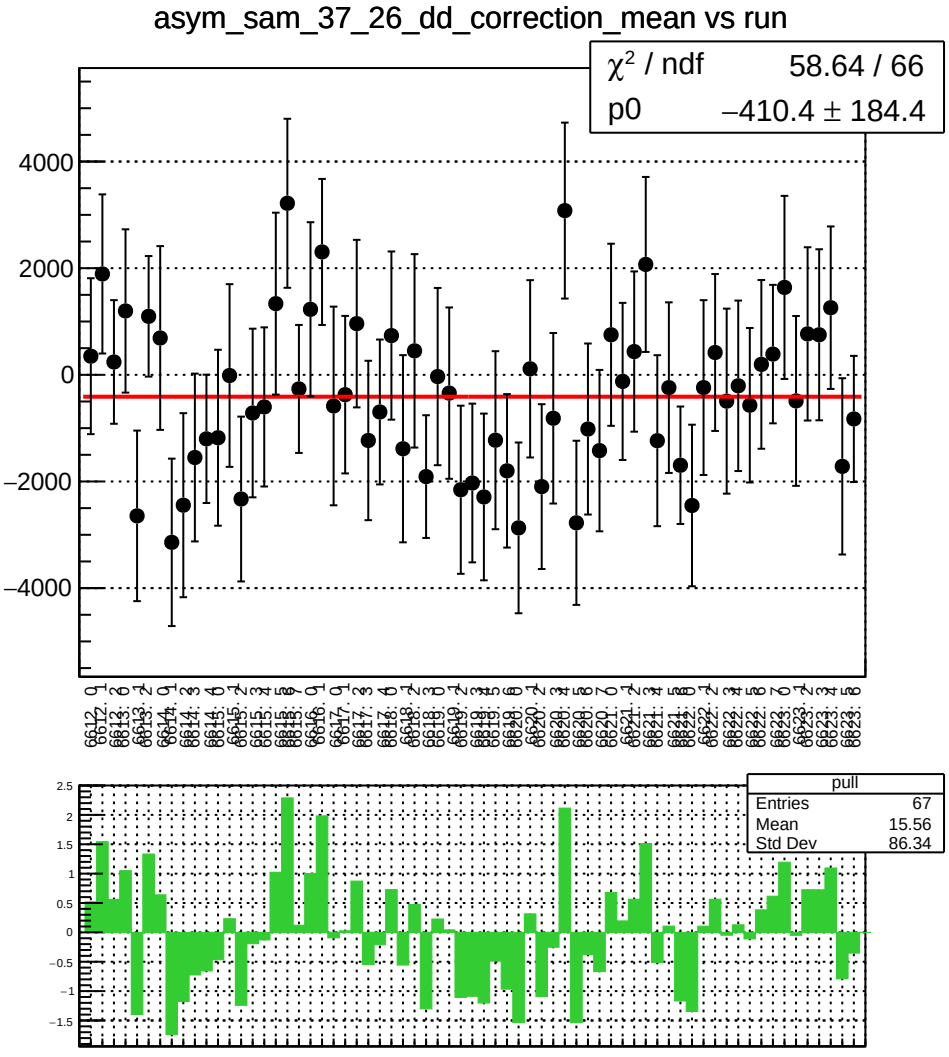
asym_sam_15_26_dd_rms vs run

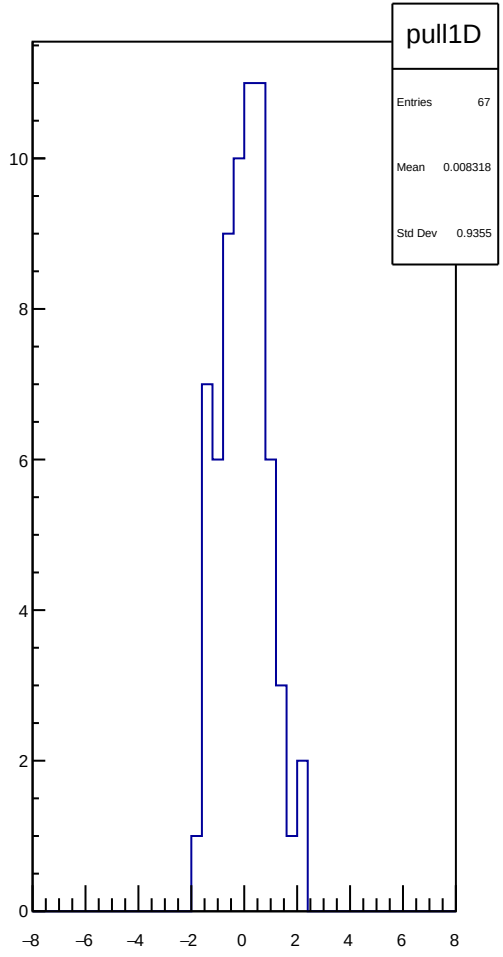


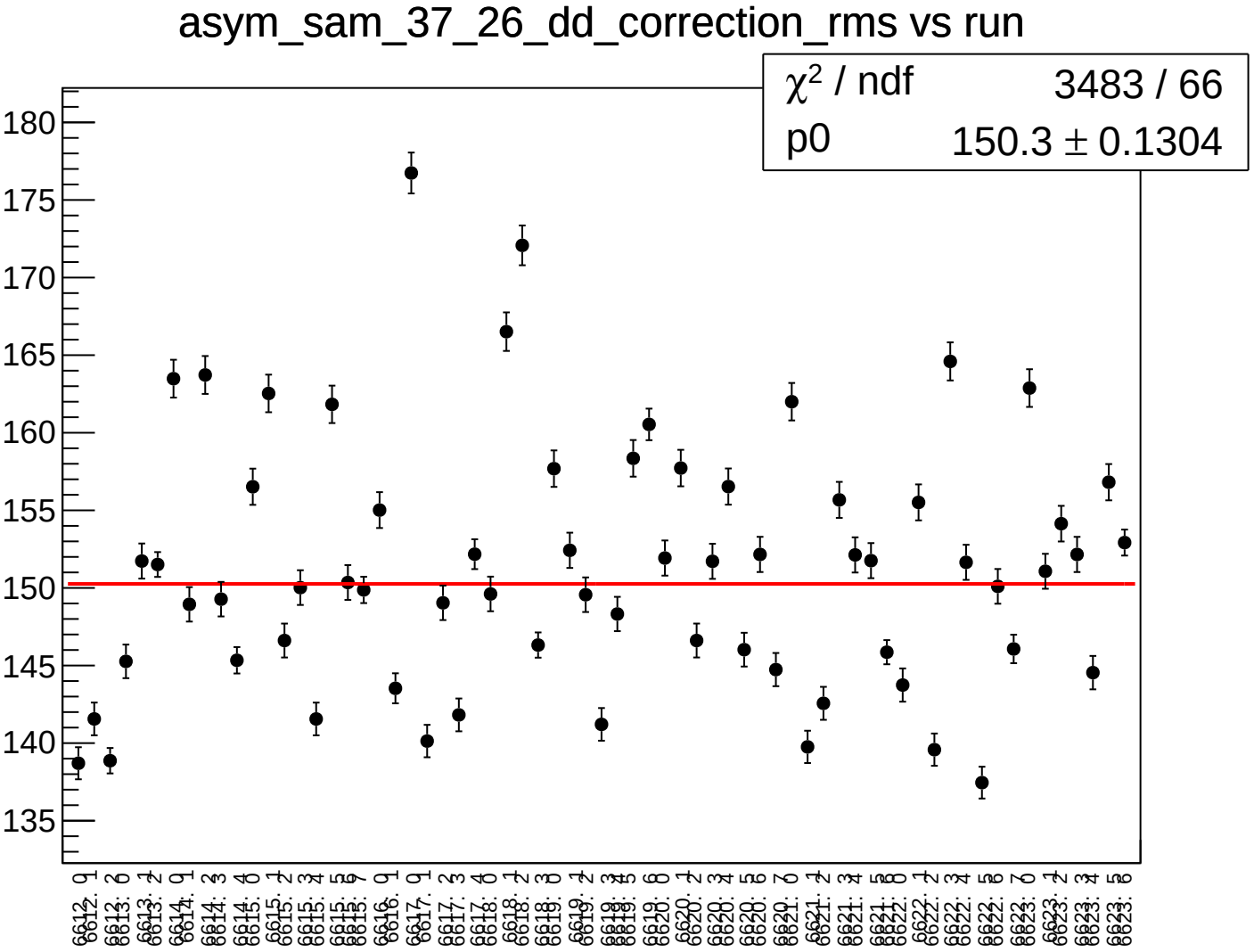

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 82.37 / 66
p0 8.949 ± 56.29
pull
Entries 67
Mean −1.563e+04
Std Dev 1.567e+04
pull1D
Entries 67
Mean −0.0002124
Std Dev 1.109

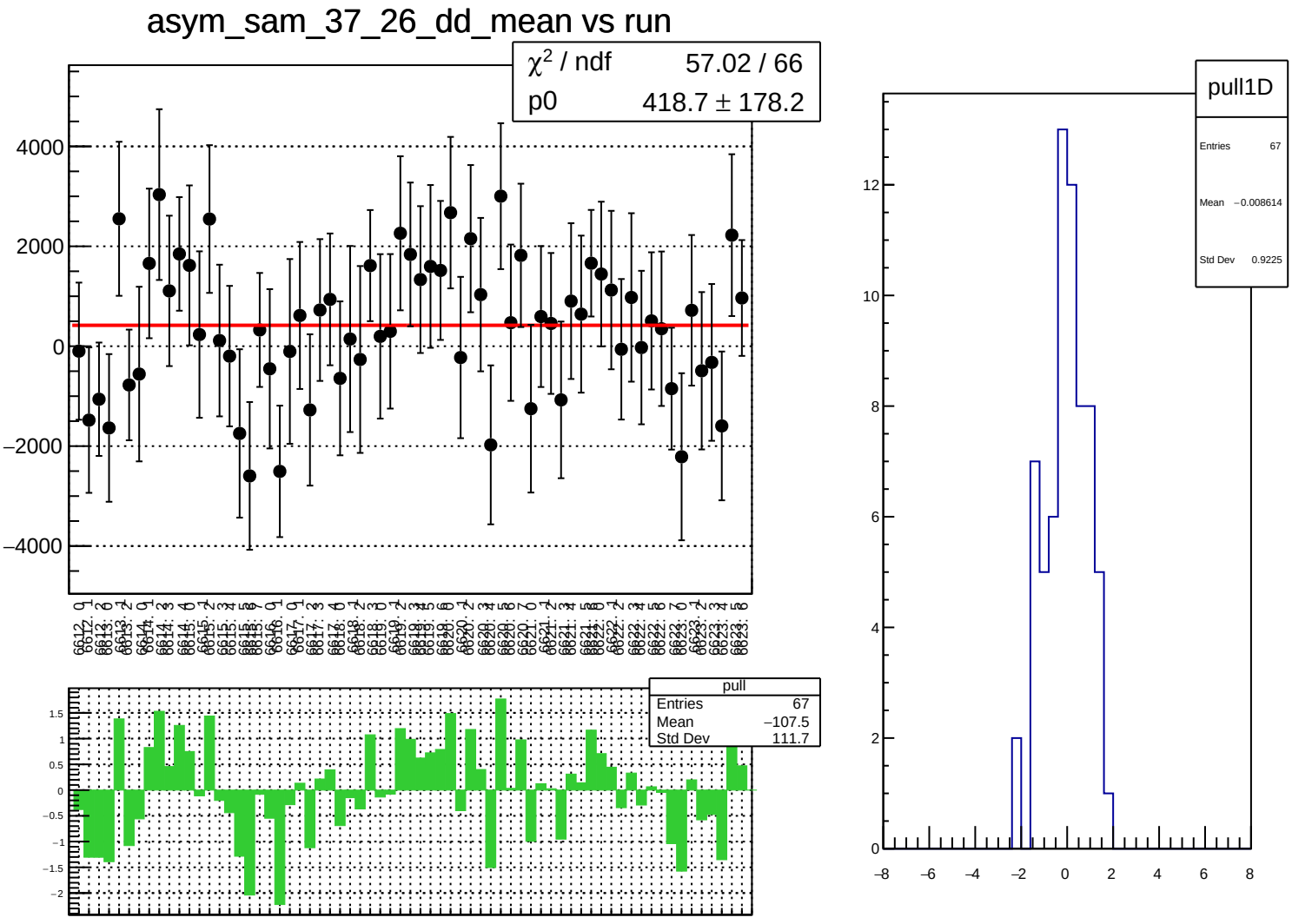
dit_asym_sam_37_26_dd_rms vs run

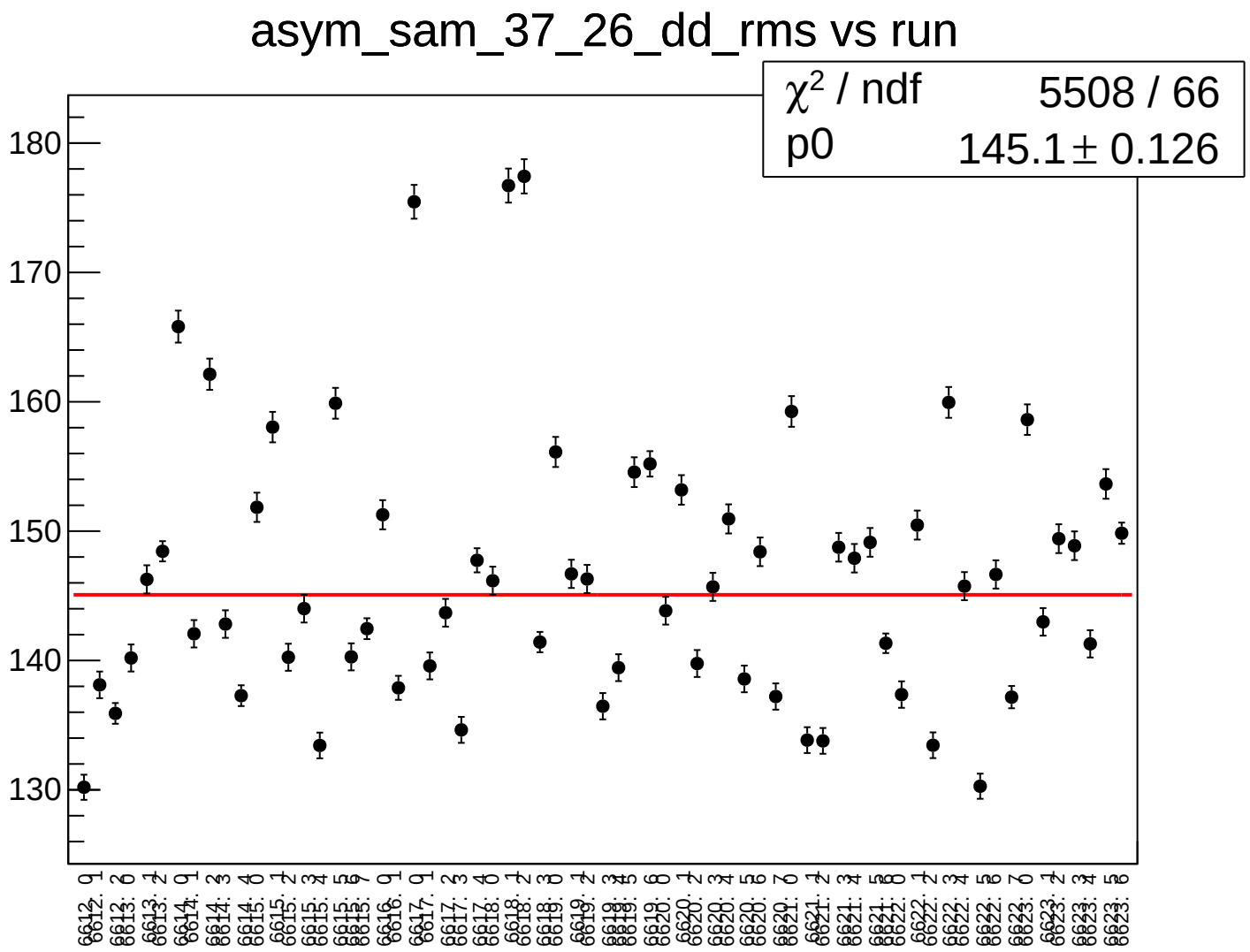


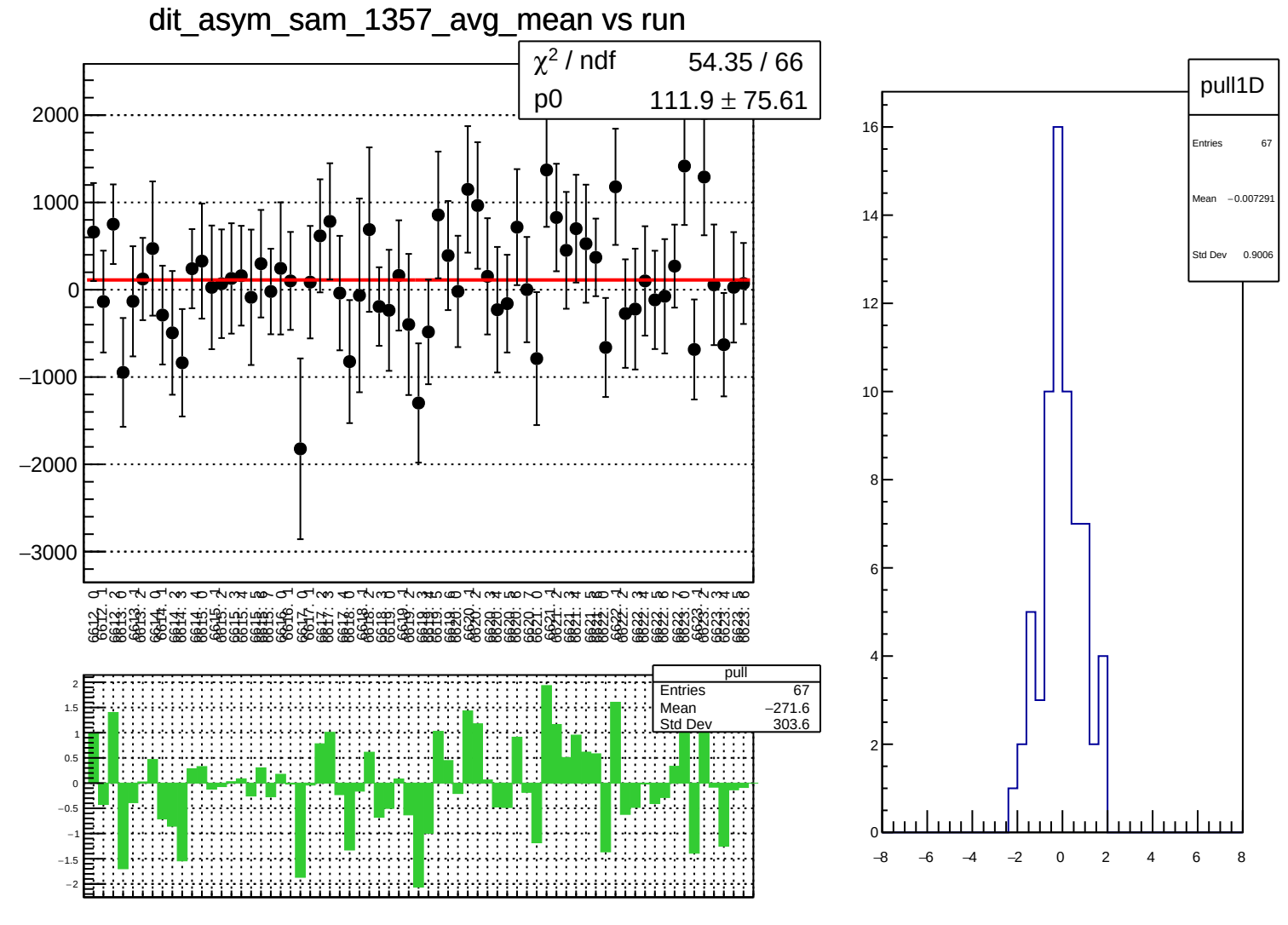

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 58.64 / 66
p0 −410.4 ± 184.4
4000
2000
0
−2000
−4000
pull
Entries 67
Mean 15.56
Std Dev 86.34
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 67
Mean 0.008318
Std Dev 0.9355
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

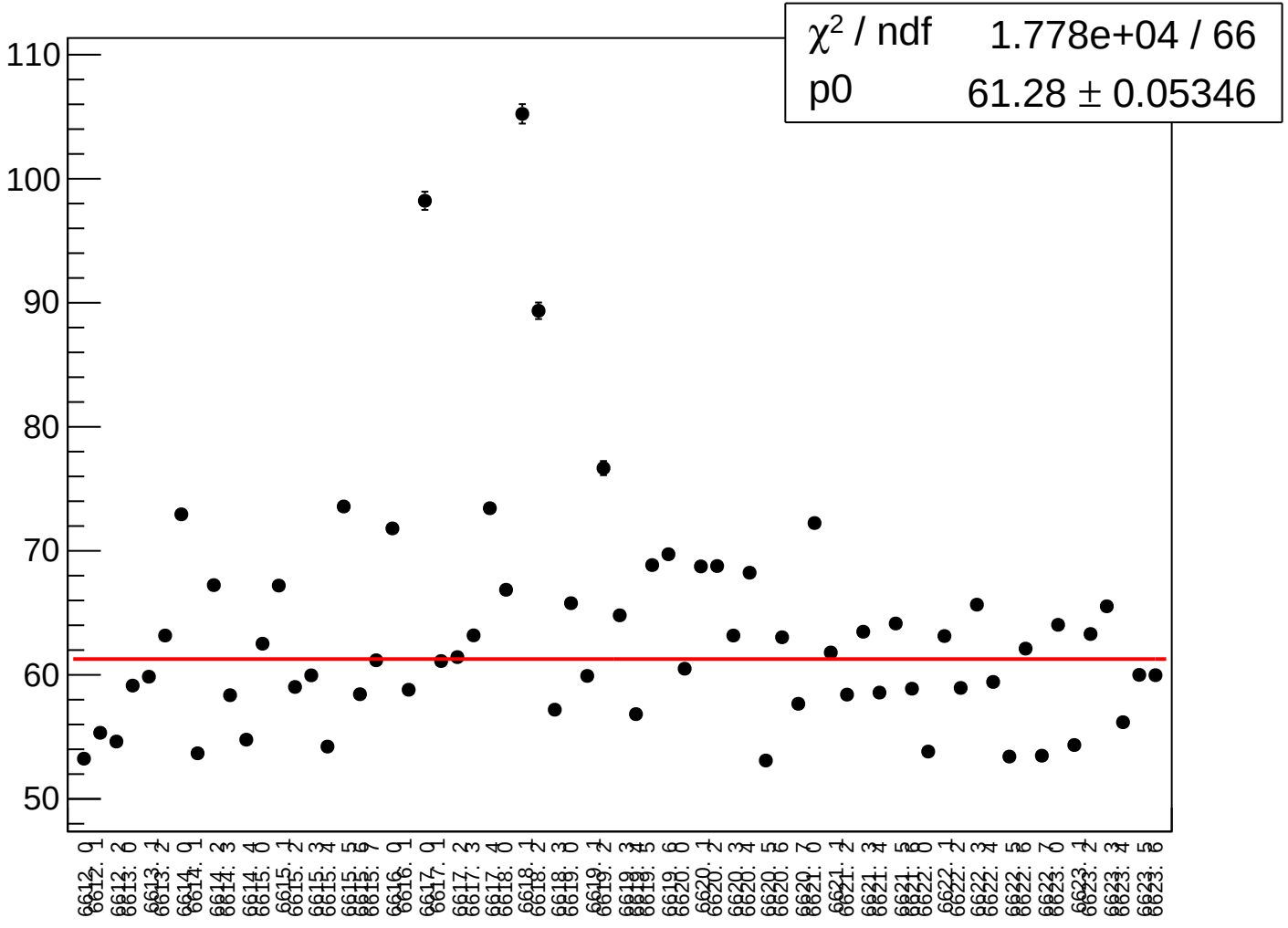

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3483 / 66
p0 150.3 ± 0.1304
180
175
170
165
160
155
150
145
140
135

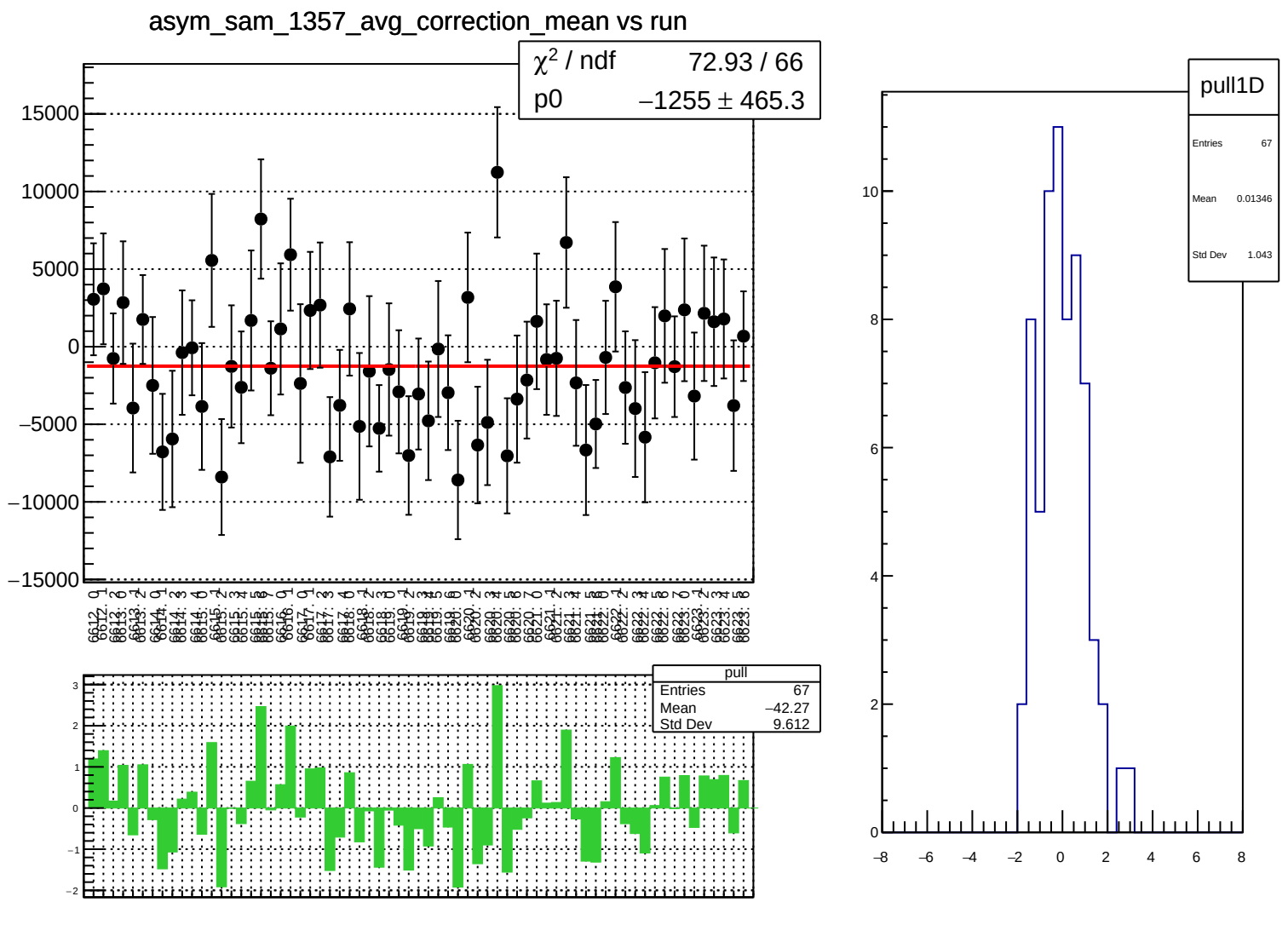

asym_sam_37_26_dd_mean vs run
χ² / ndf 57.02 / 66
p0 418.7 ± 178.2
4000
2000
0
−2000
−4000
pull
Entries 67
Mean −107.5
Std Dev 111.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 67
Mean −0.008614
Std Dev 0.9225
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

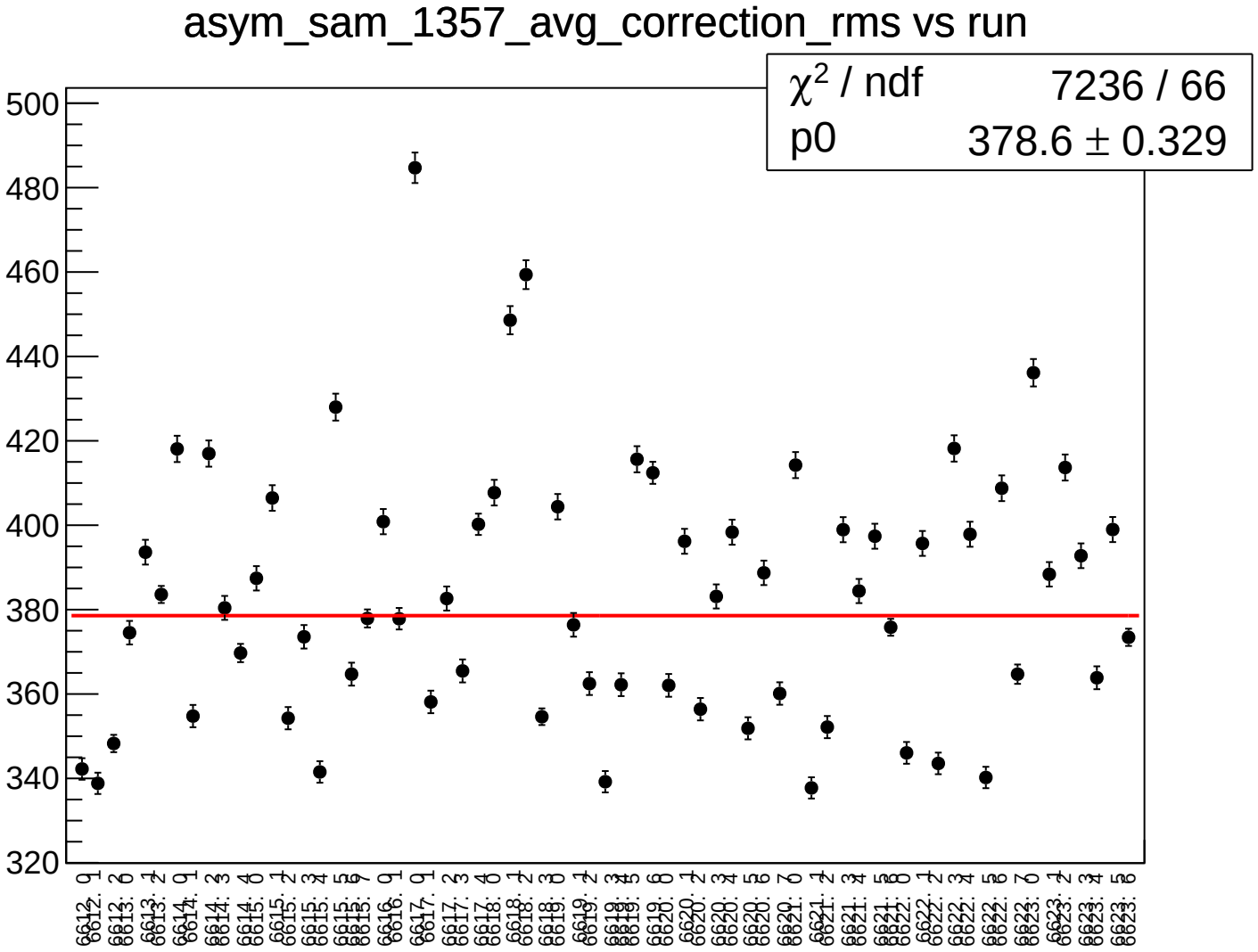

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 5508 / 66
p0 145.1 ± 0.126
180
170
160
150
140
130

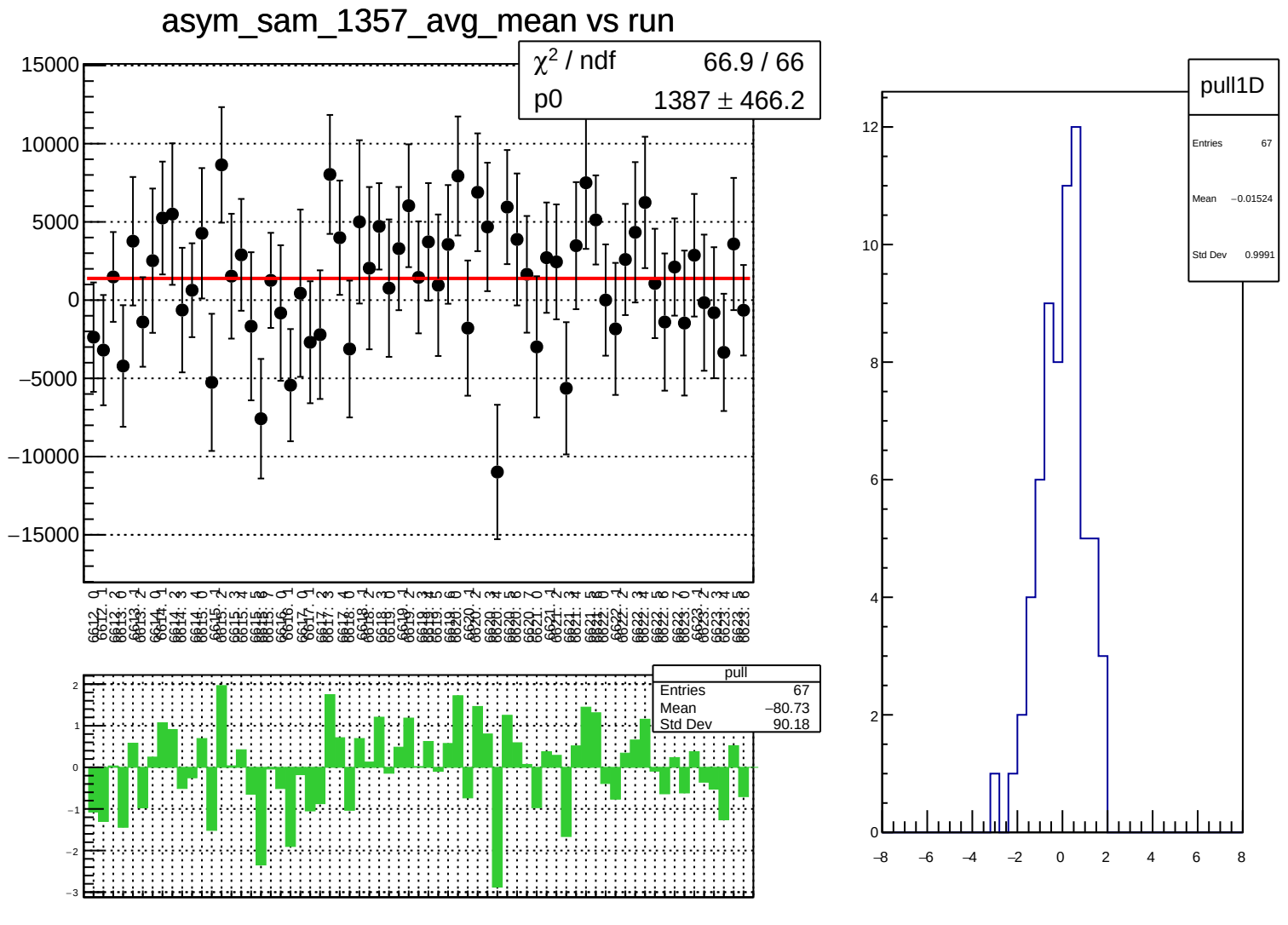

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 54.35 / 66
p0 111.9 ± 75.61
pull
Entries 67
Mean −271.6
Std Dev 303.6
pull1D
Entries 67
Mean −0.007291
Std Dev 0.9006

dit_asym_sam_1357_avg_rms vs run

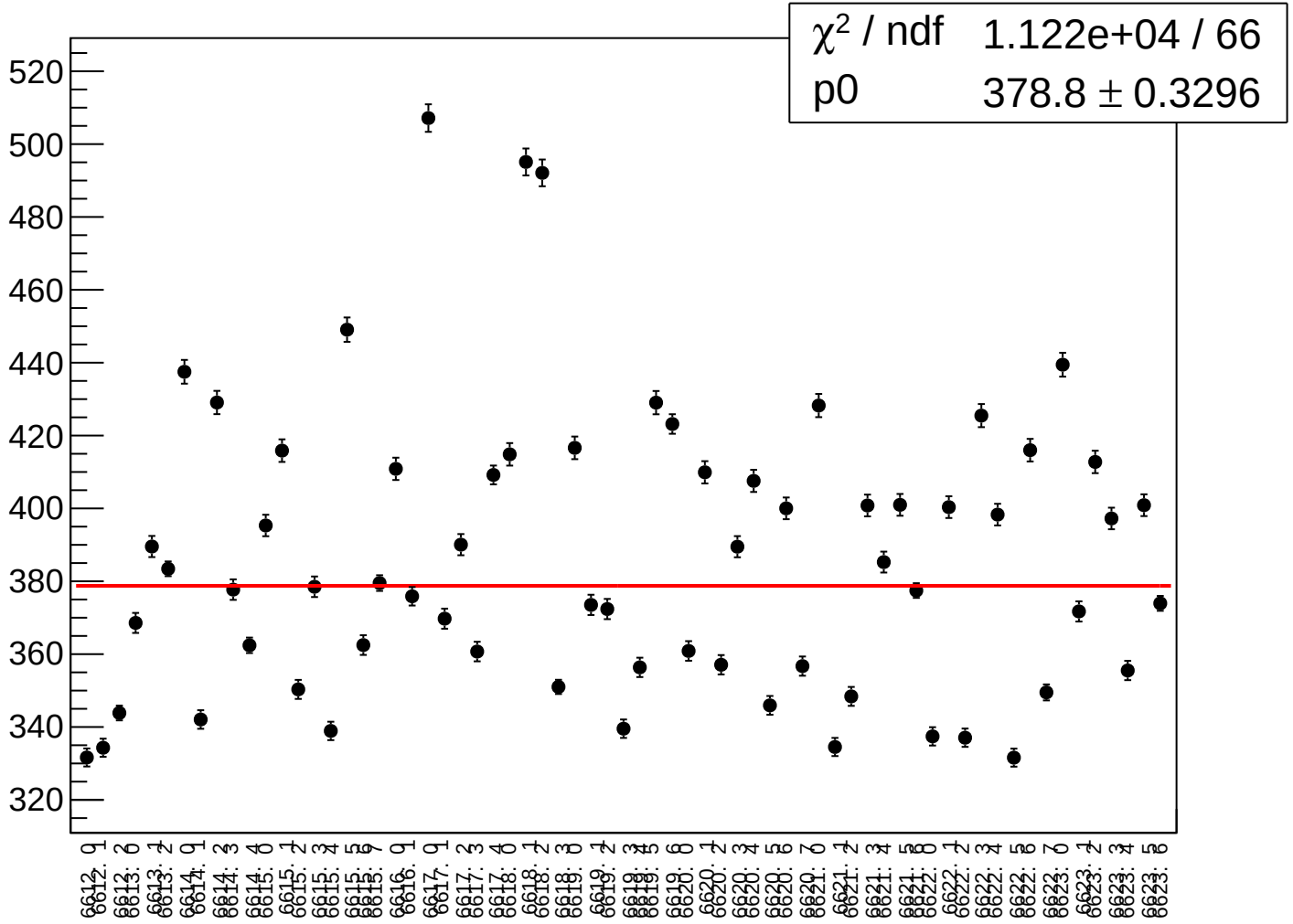


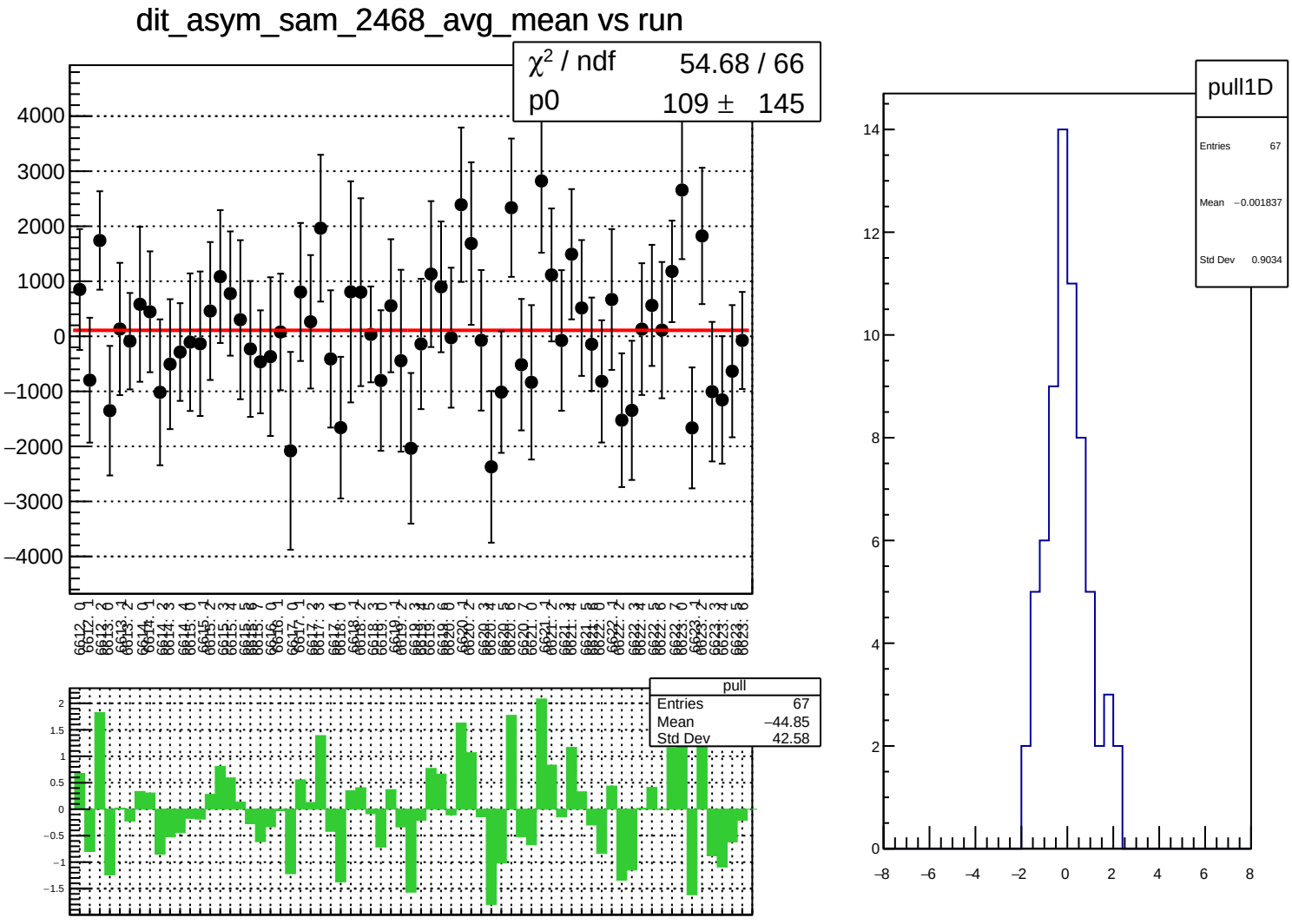

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 72.93 / 66
p0 −1255 ± 465.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean −42.27
Std Dev 9.612
pull1D
Entries 67
Mean 0.01346
Std Dev 1.043


asym_sam_1357_avg_correction_rms vs run
χ² / ndf 7236 / 66
p0 378.6 ± 0.329
500
480
460
440
420
400
380
360
340
320

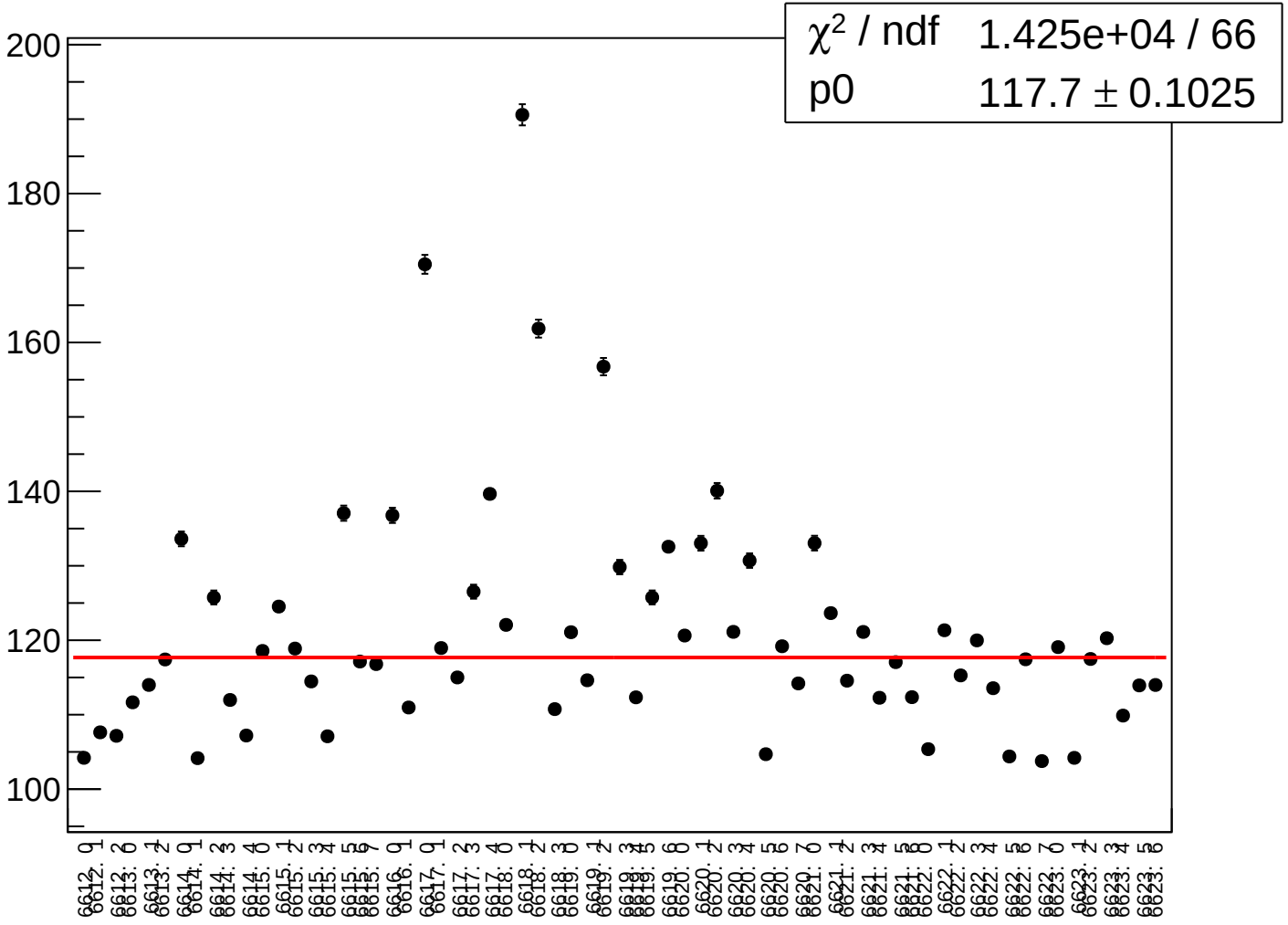

asym_sam_1357_avg_mean vs run
χ² / ndf 66.9 / 66
p0 1387 ± 466.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 67
Mean −80.73
Std Dev 90.18
2
1
0
−1
−2
−3
pull1D
Entries 67
Mean −0.01524
Std Dev 0.9991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

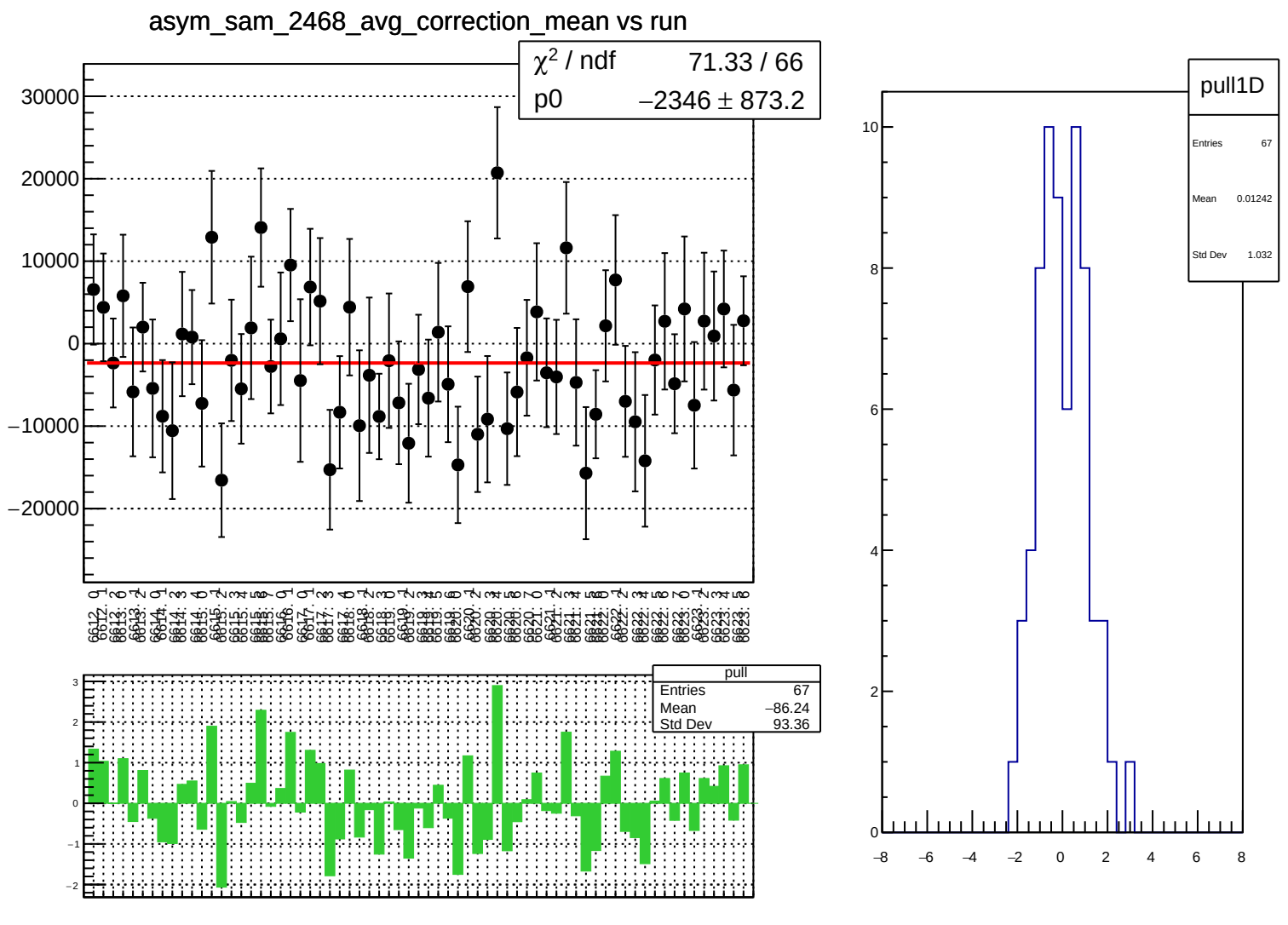
asym_sam_1357_avg_rms vs run

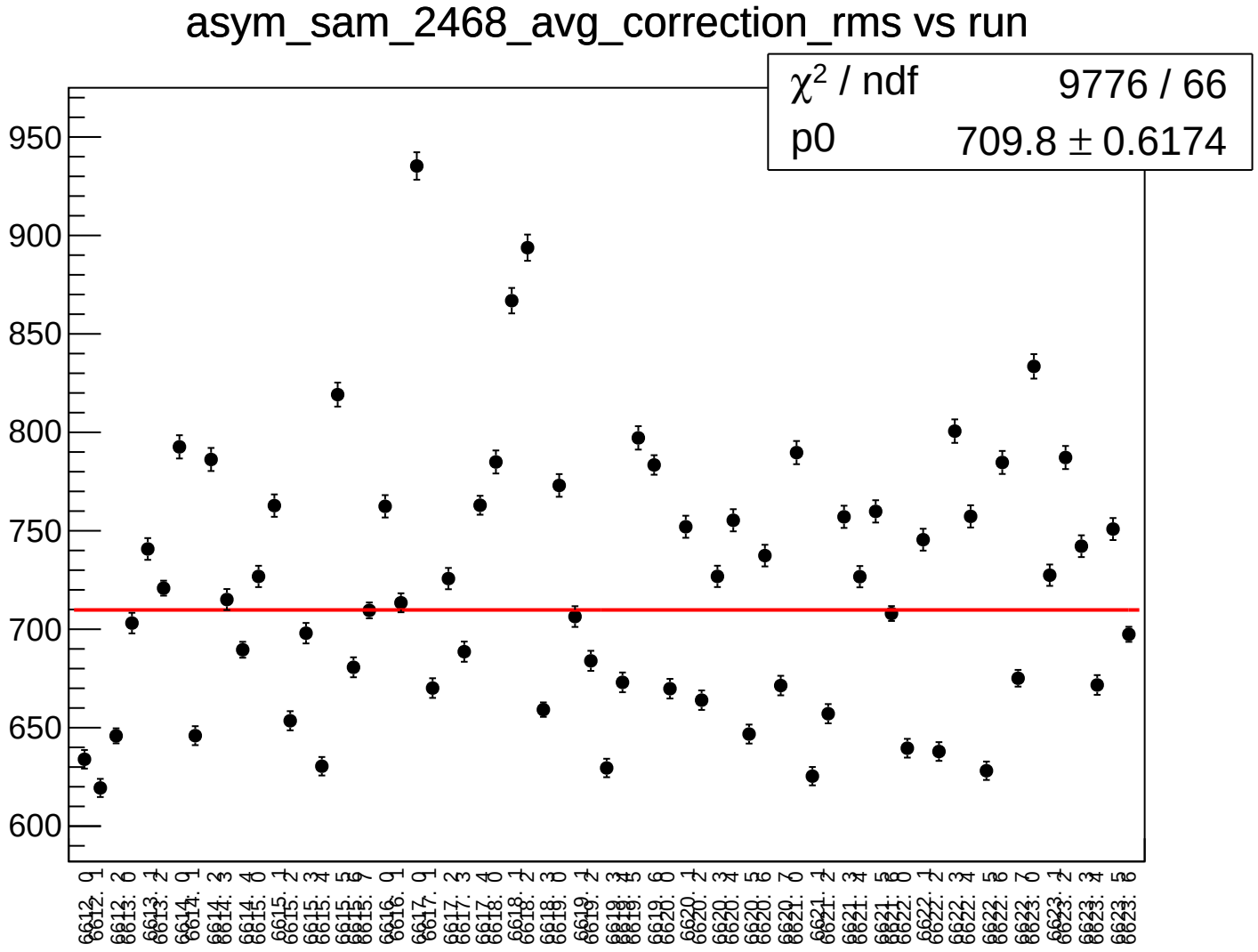


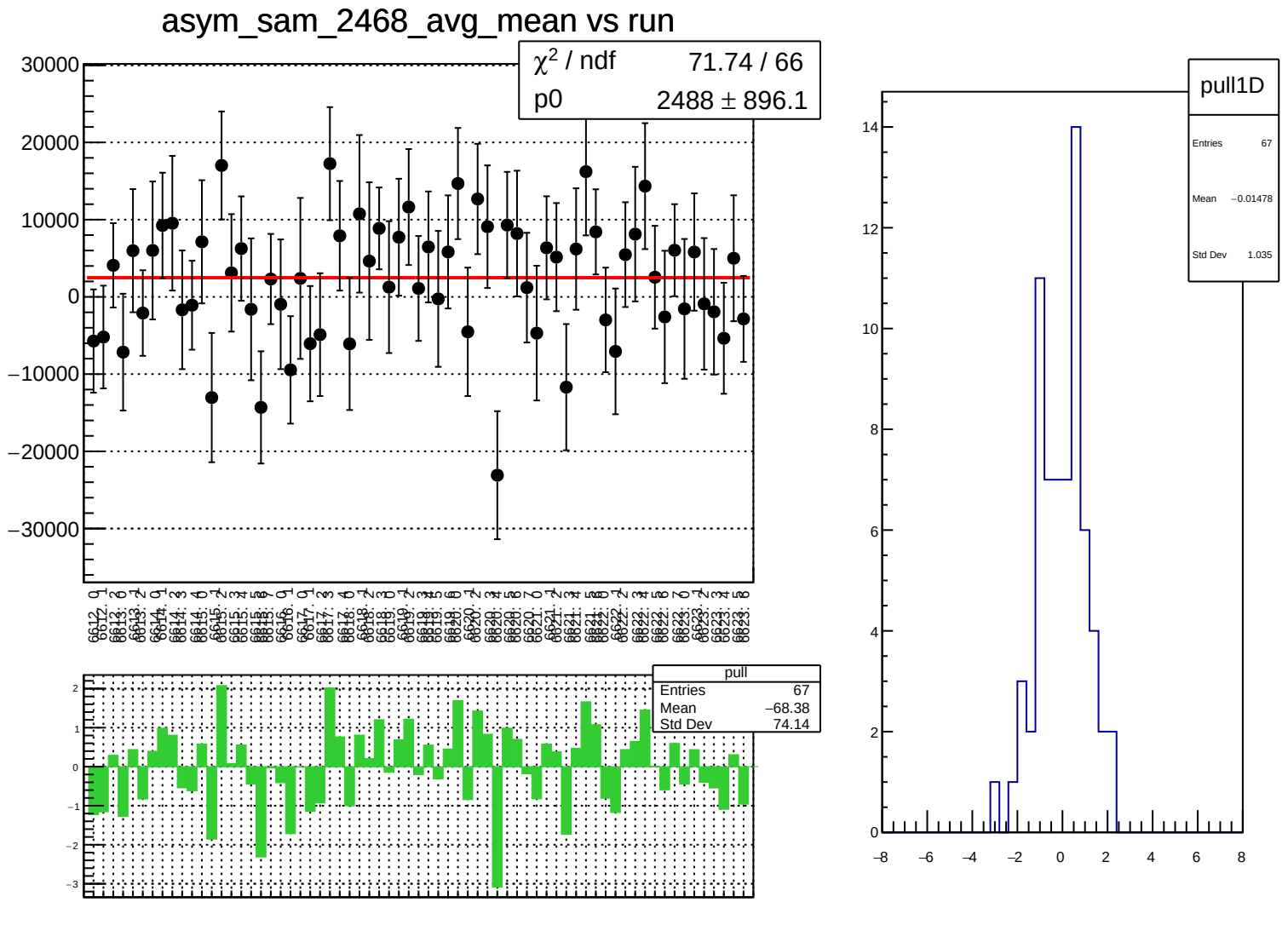

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 54.68 / 66
p0 109 ± 145
pull
Entries 67
Mean −44.85
Std Dev 42.58
pull1D
Entries 67
Mean −0.001837
Std Dev 0.9034

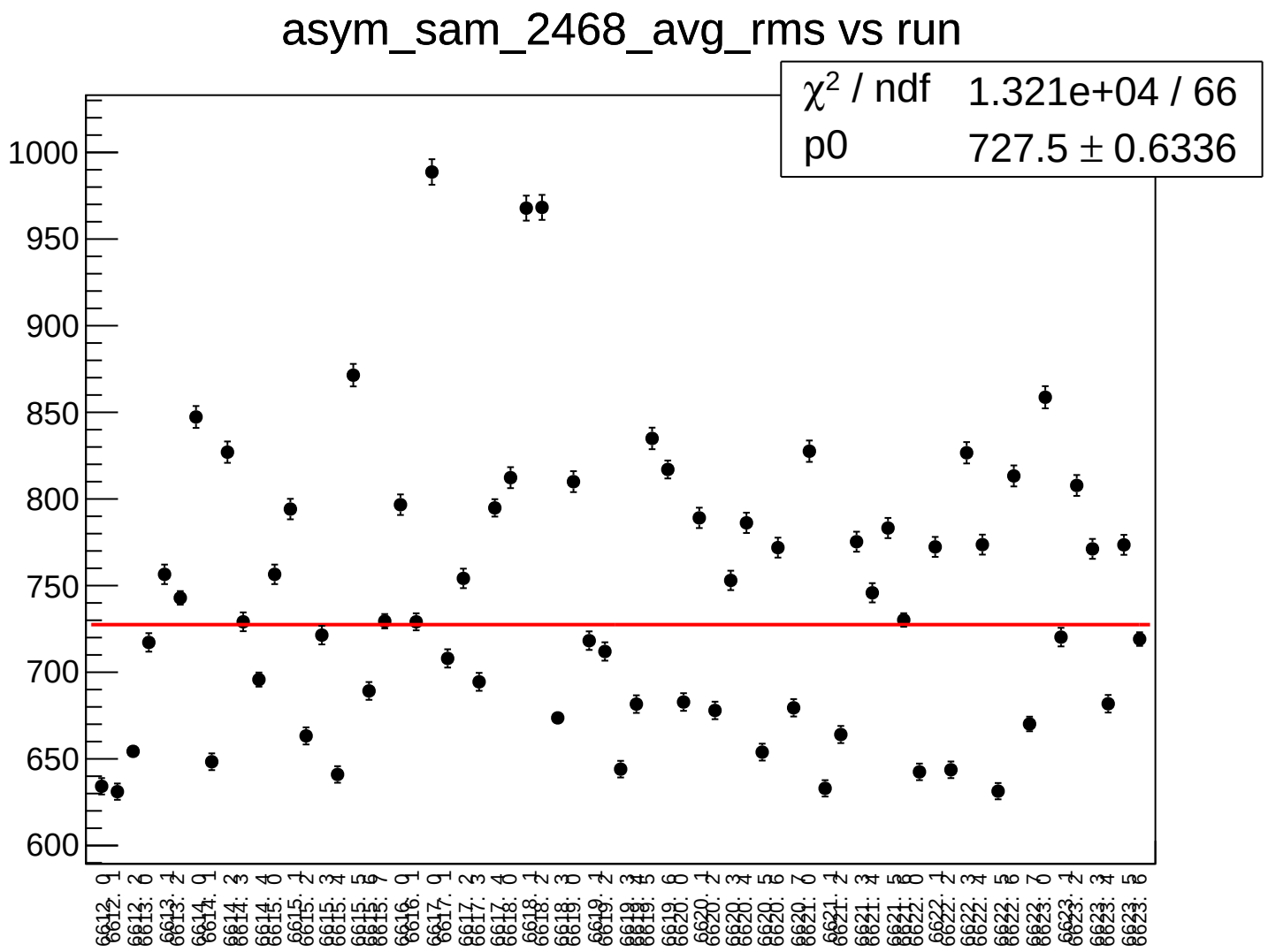
dit_asym_sam_2468_avg_rms vs run

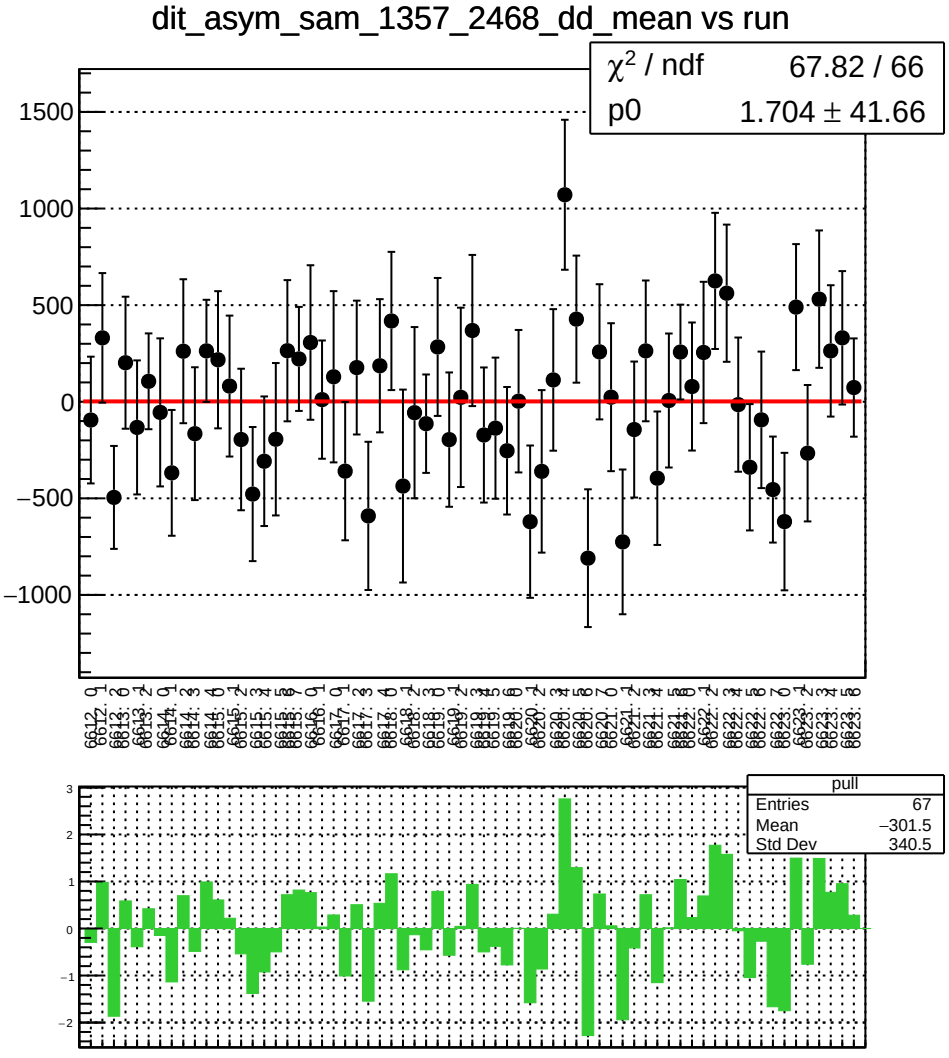


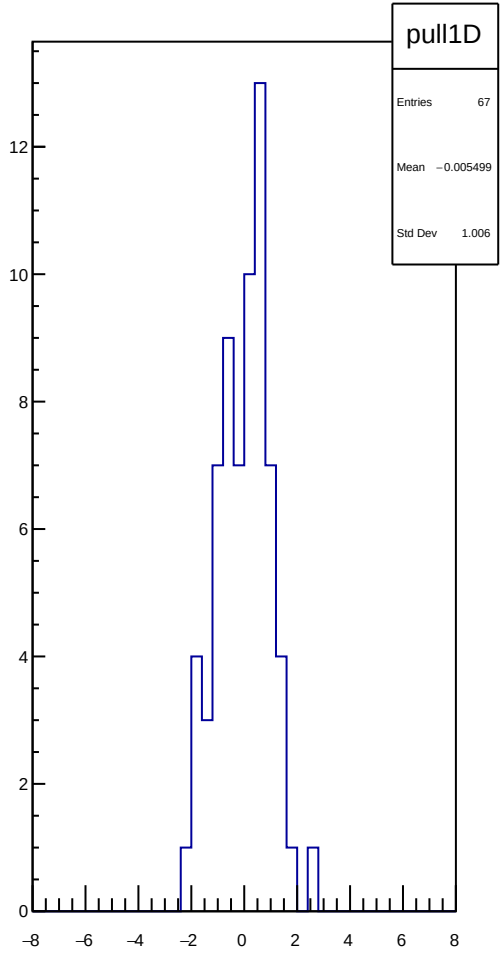

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 71.33 / 66
p0 −2346 ± 873.2
30000
20000
10000
0
−10000
−20000
pull
Entries 67
Mean −86.24
Std Dev 93.36
3
2
1
0
−1
−2
pull1D
Entries 67
Mean 0.01242
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_correction_rms vs run
χ² / ndf 9776 / 66
p0 709.8 ± 0.6174
950
900
850
800
750
700
650
600

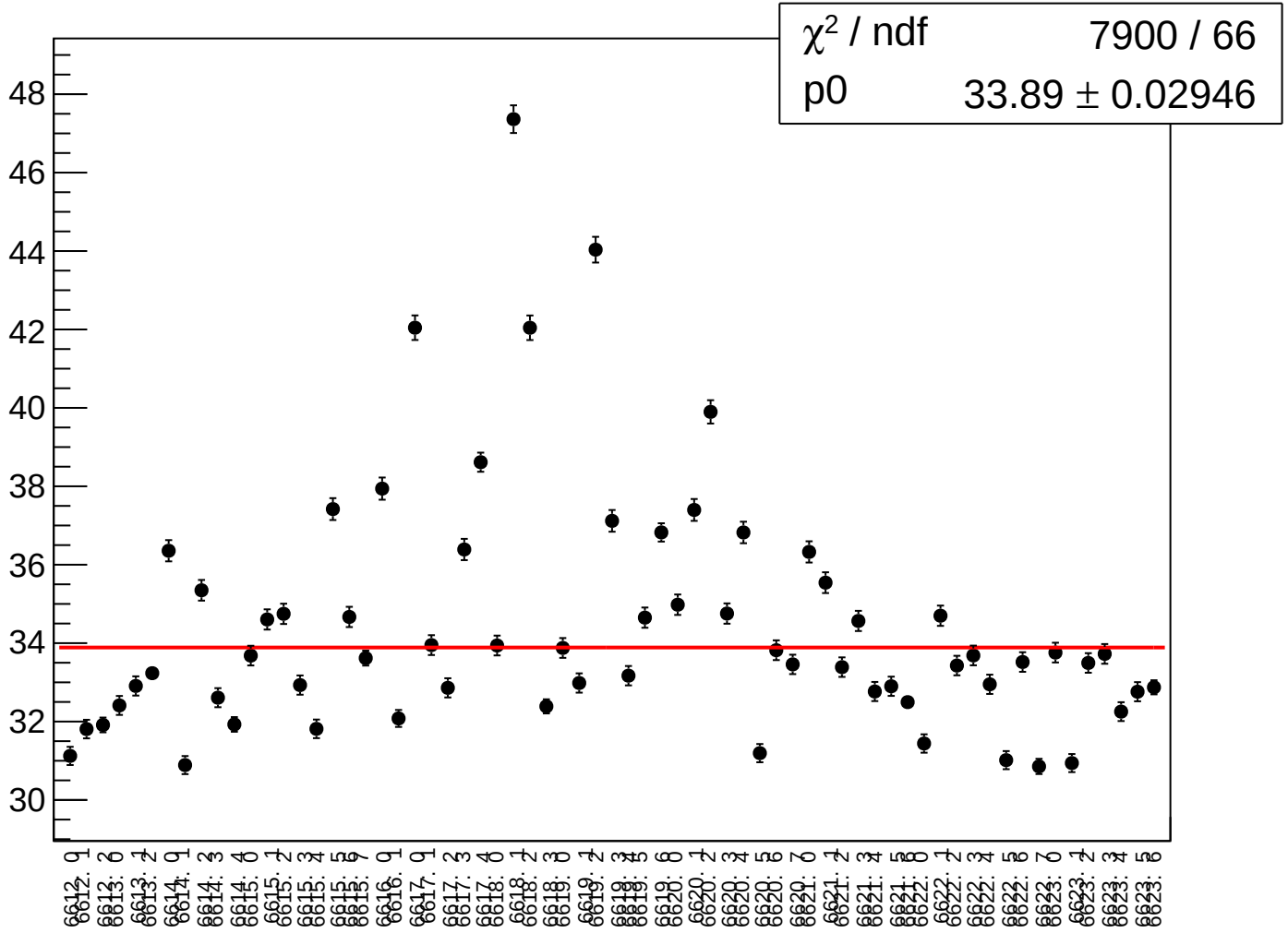

asym_sam_2468_avg_mean vs run
χ² / ndf 71.74 / 66
p0 2488 ± 896.1
pull
Entries 67
Mean −68.38
Std Dev 74.14
pull1D
Entries 67
Mean −0.01478
Std Dev 1.035

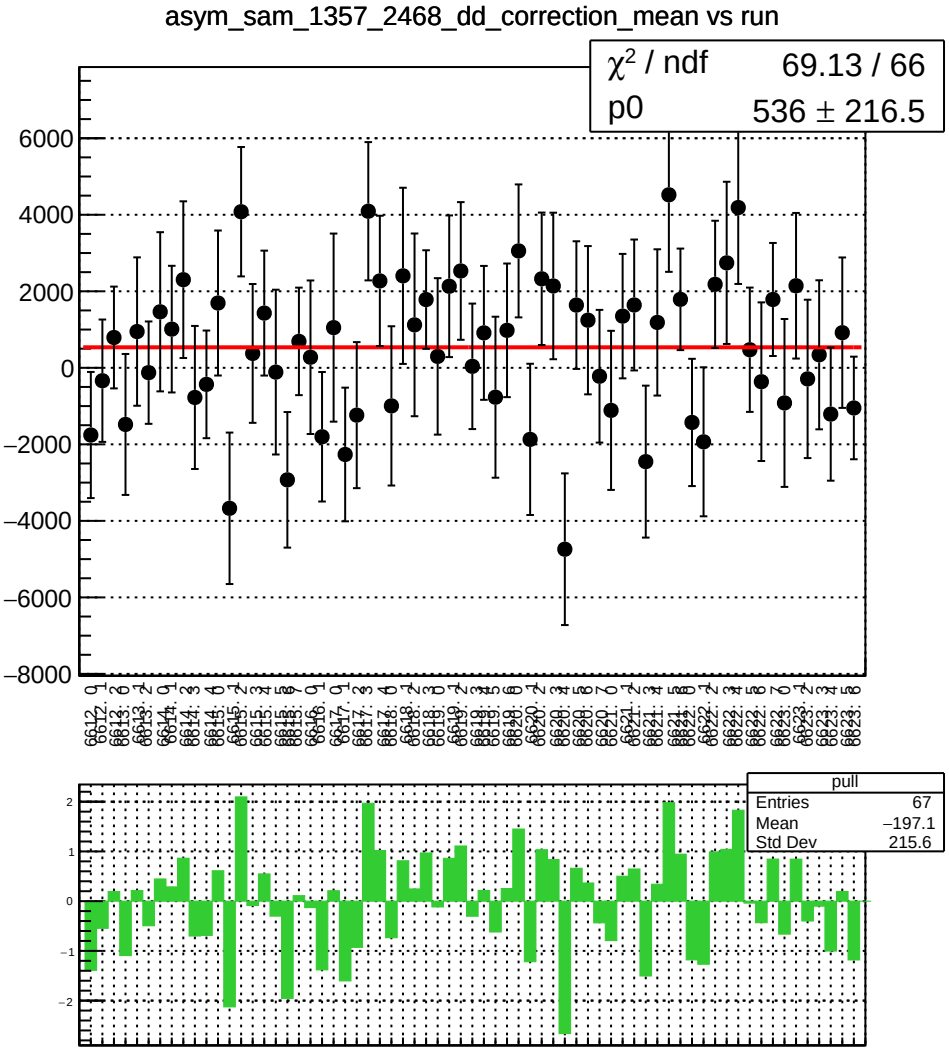

asym_sam_2468_avg_rms vs run
χ^2 / ndf 1.321e+04 / 66
p0 727.5 ± 0.6336
1000
950
900
850
800
750
700
650
600

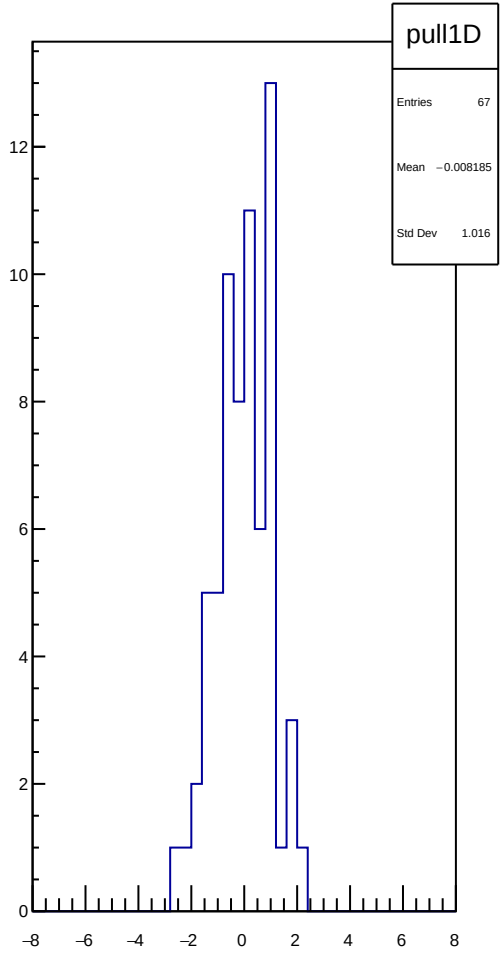

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 67.82 / 66
p0 1.704 ± 41.66
1500
1000
500
0
−500
−1000
pull
Entries 67
Mean −301.5
Std Dev 340.5
3
2
1
0
−1
−2

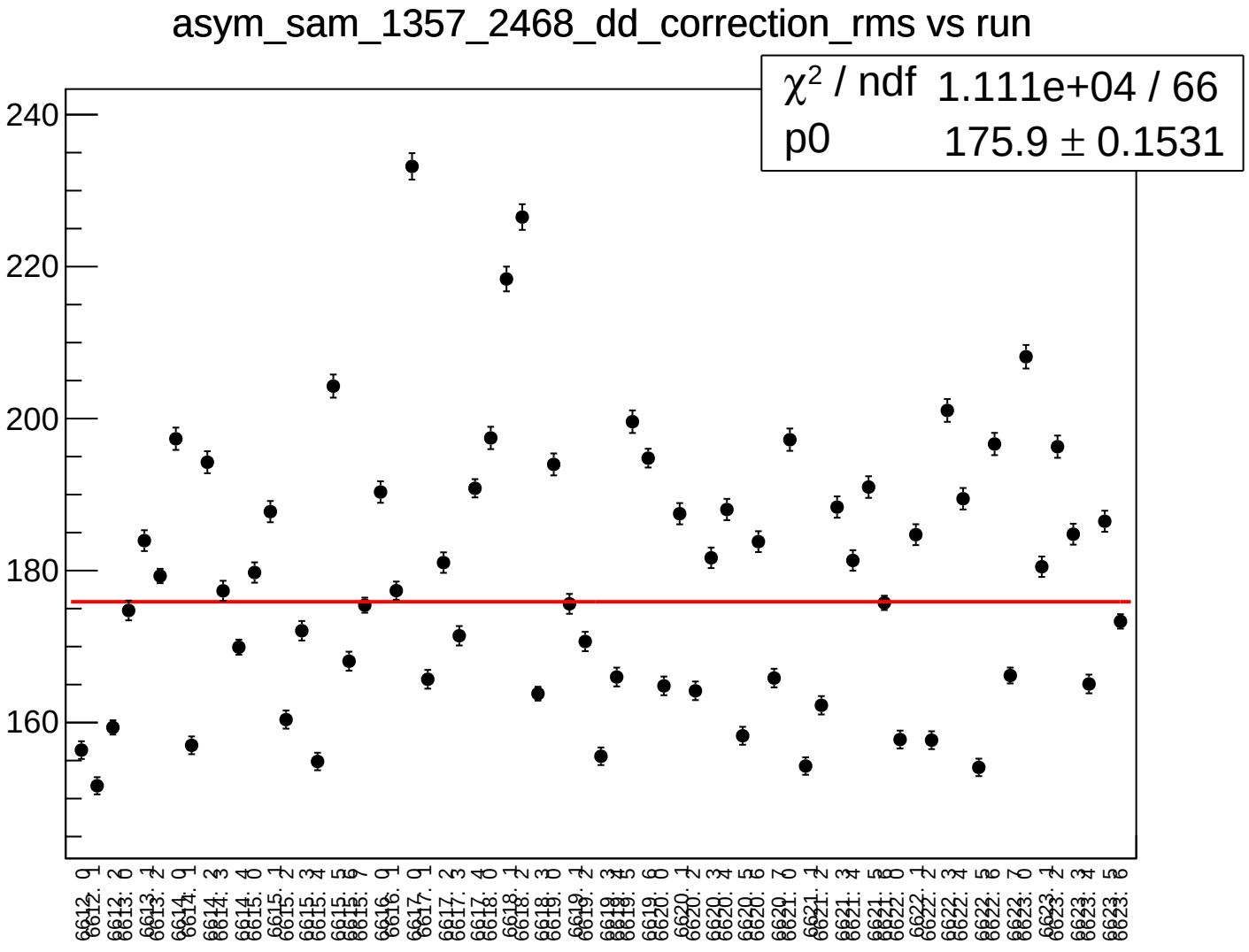

pull1D
Entries 67
Mean −0.005499
Std Dev 1.006
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

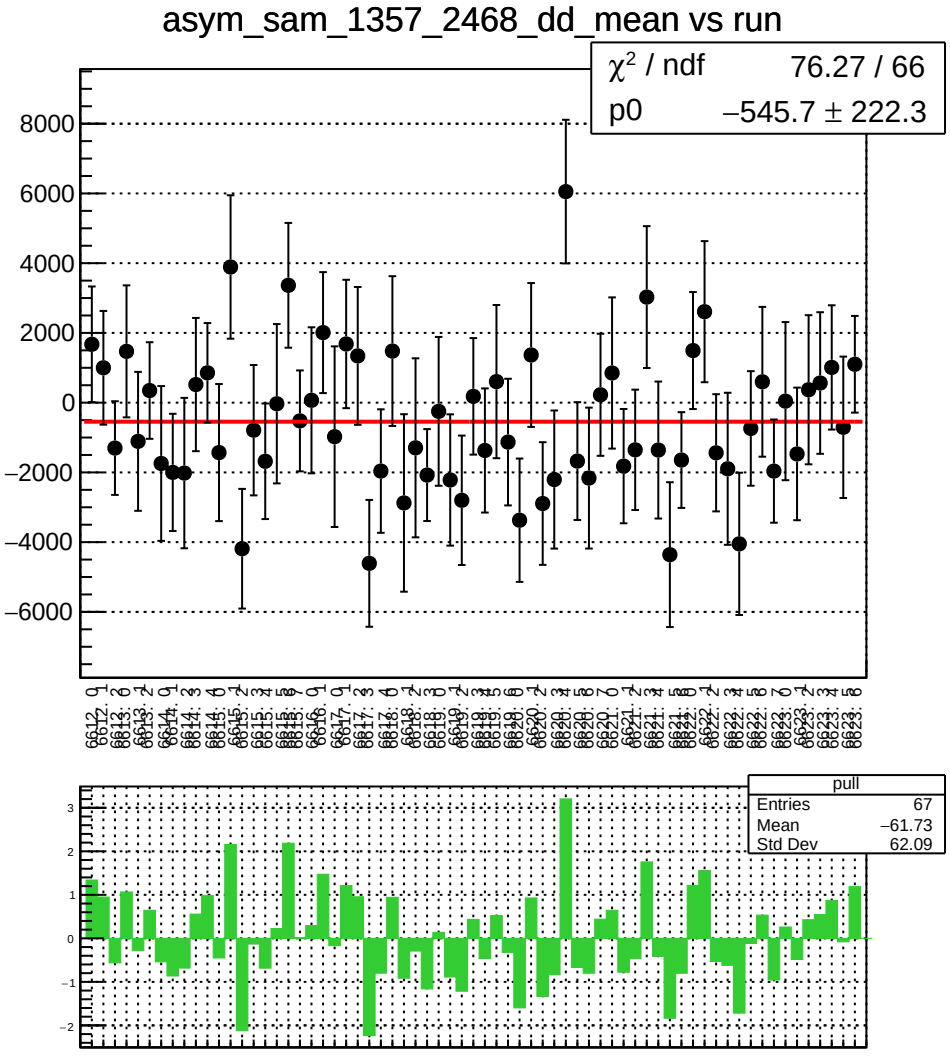
dit_asym_sam_1357_2468_dd_rms vs run

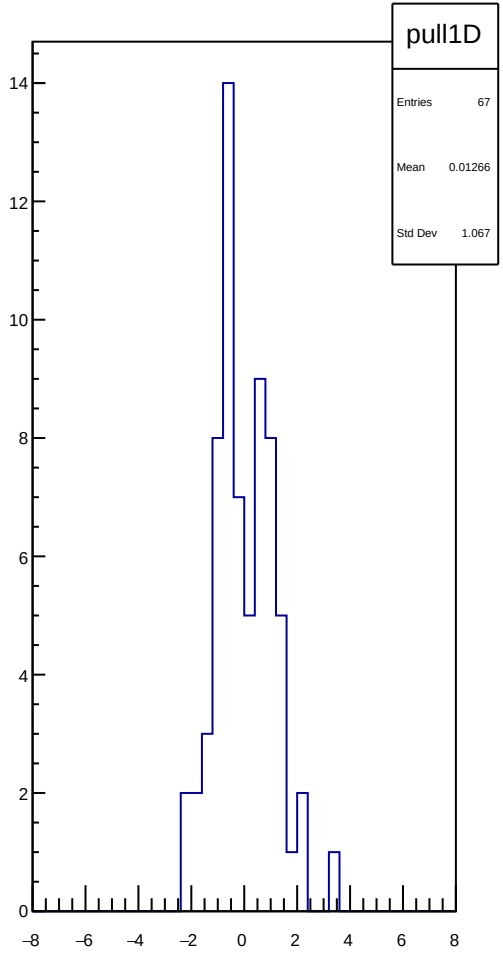



asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 69.13 / 66
p0 536 ± 216.5
pull
Entries 67
Mean −197.1
Std Dev 215.6

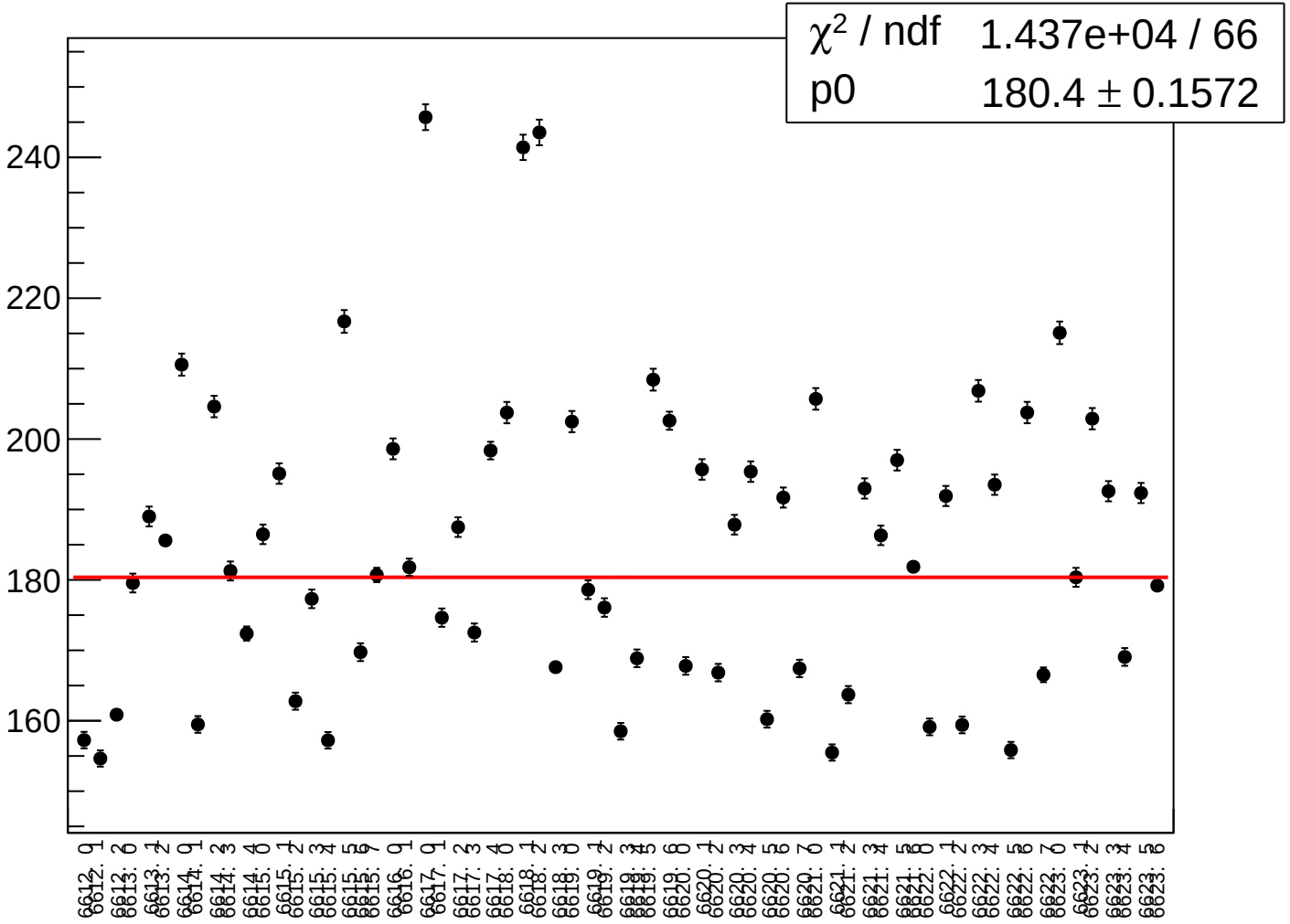

pull1D
Entries 67
Mean −0.008185
Std Dev 1.016

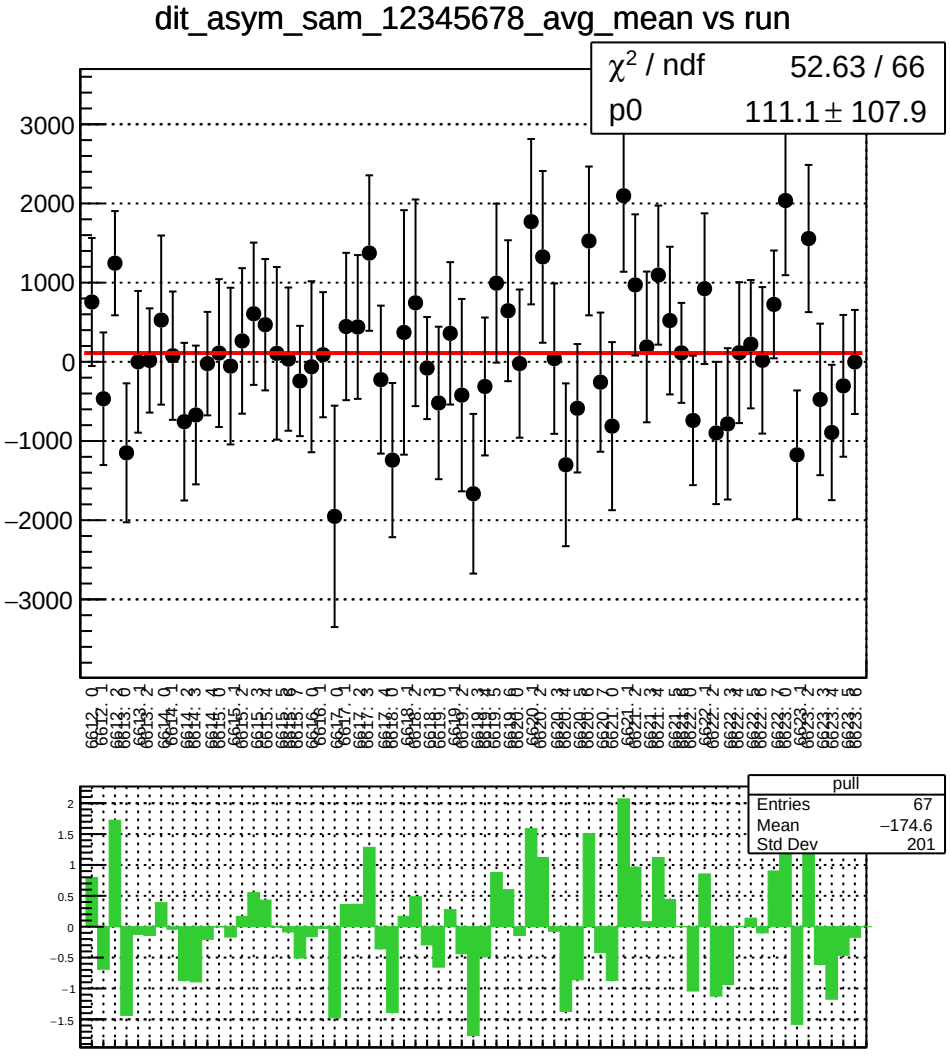

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.111e+04 / 66
p0 175.9 ± 0.1531
240
220
200
180
160

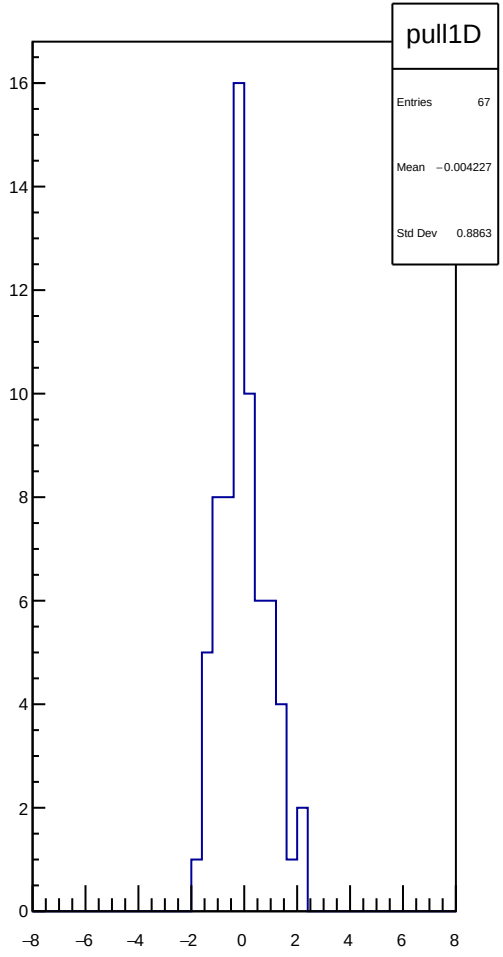

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 76.27 / 66
p0 −545.7 ± 222.3
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 67
Mean −61.73
Std Dev 62.09
3
2
1
0
−1
−2

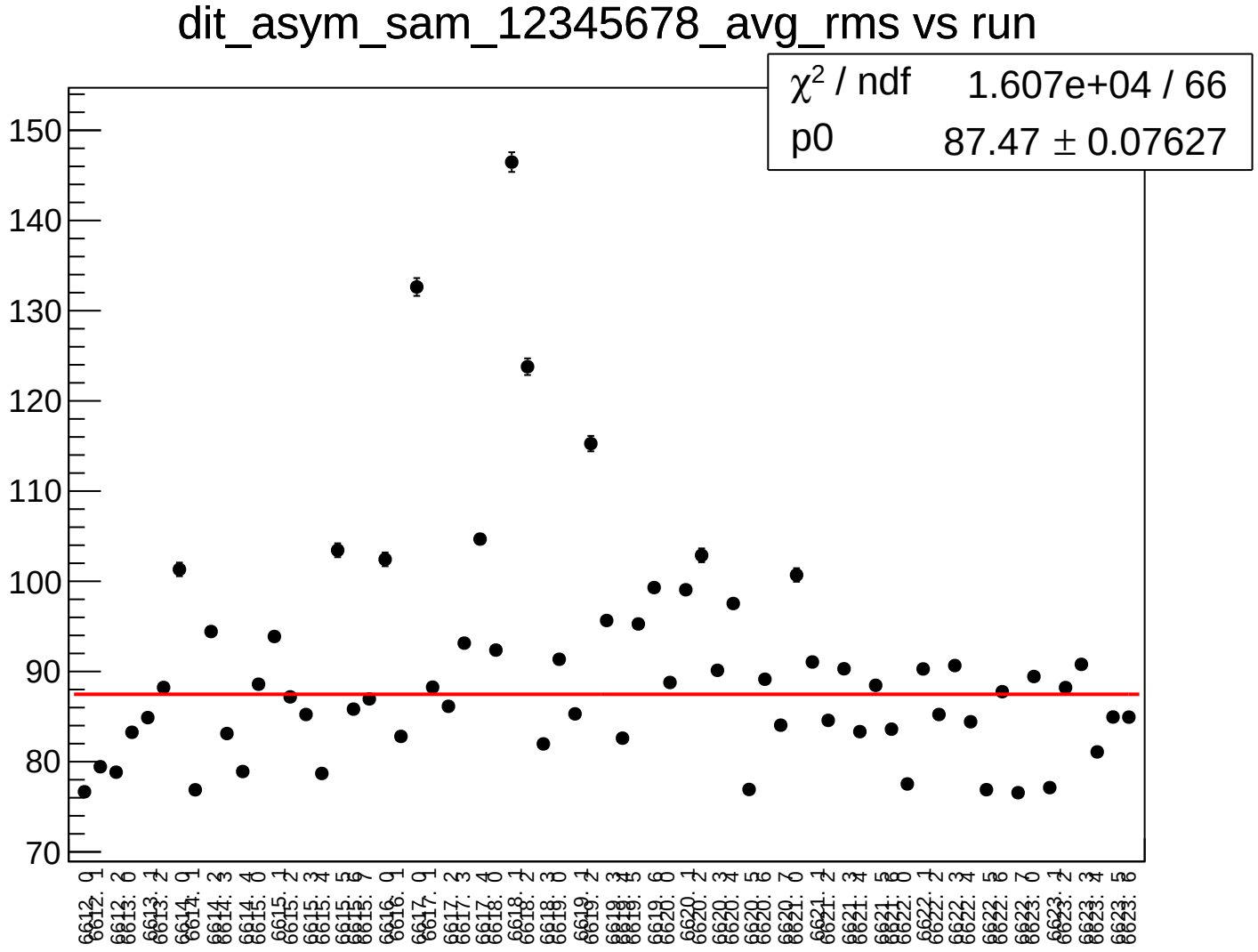

pull1D
Entries 67
Mean 0.01266
Std Dev 1.067
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

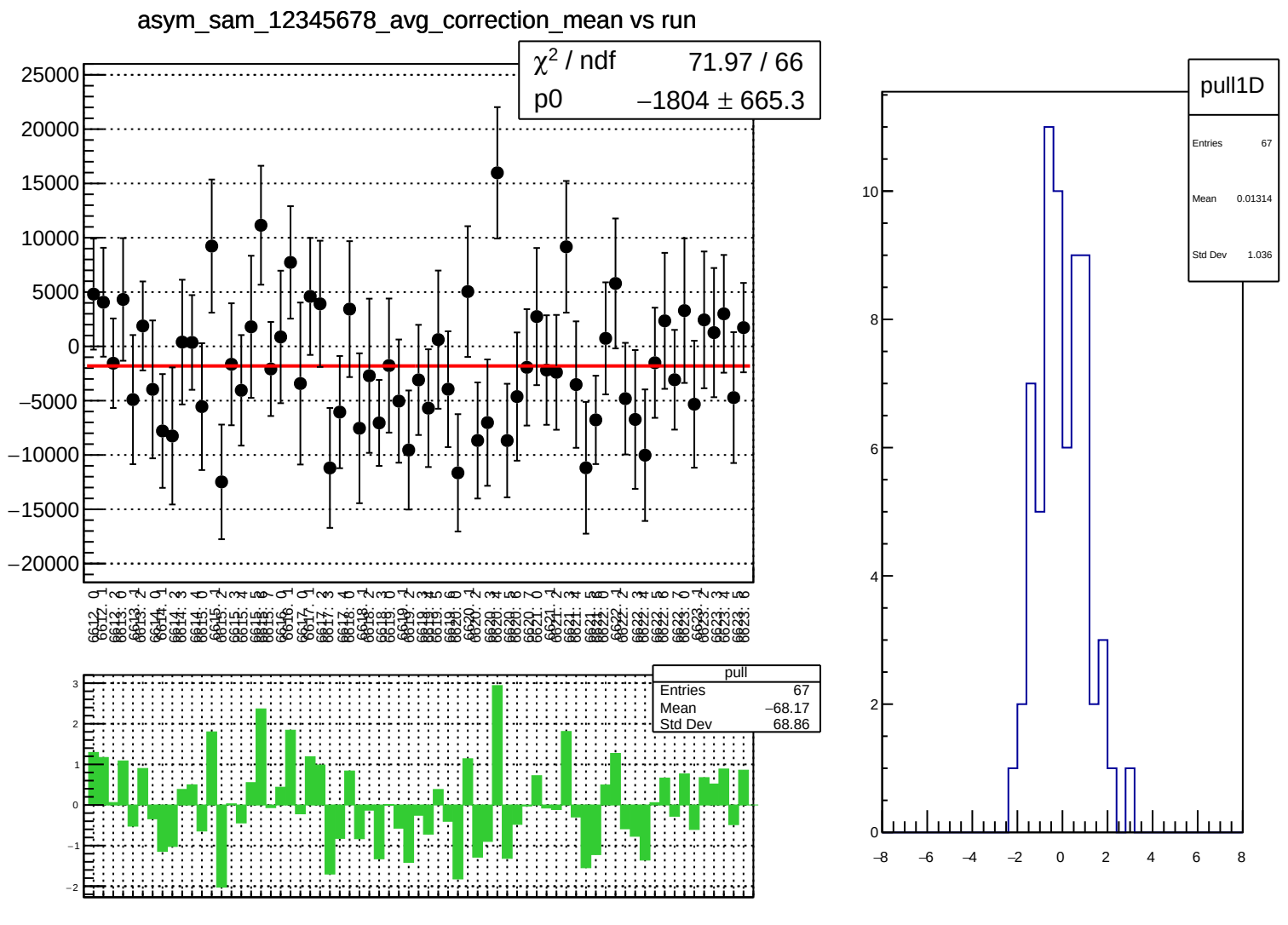
asym_sam_1357_2468_dd_rms vs run

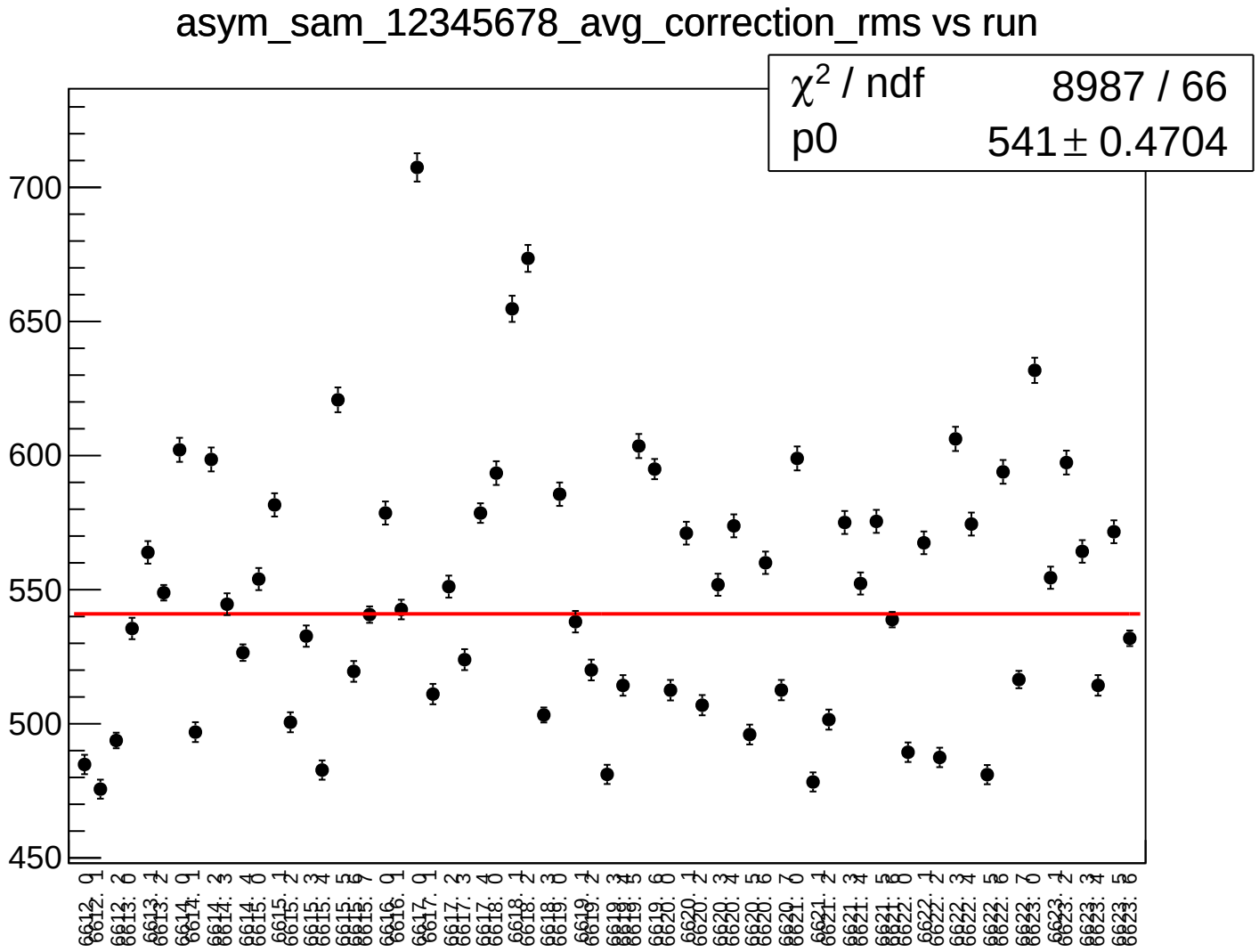


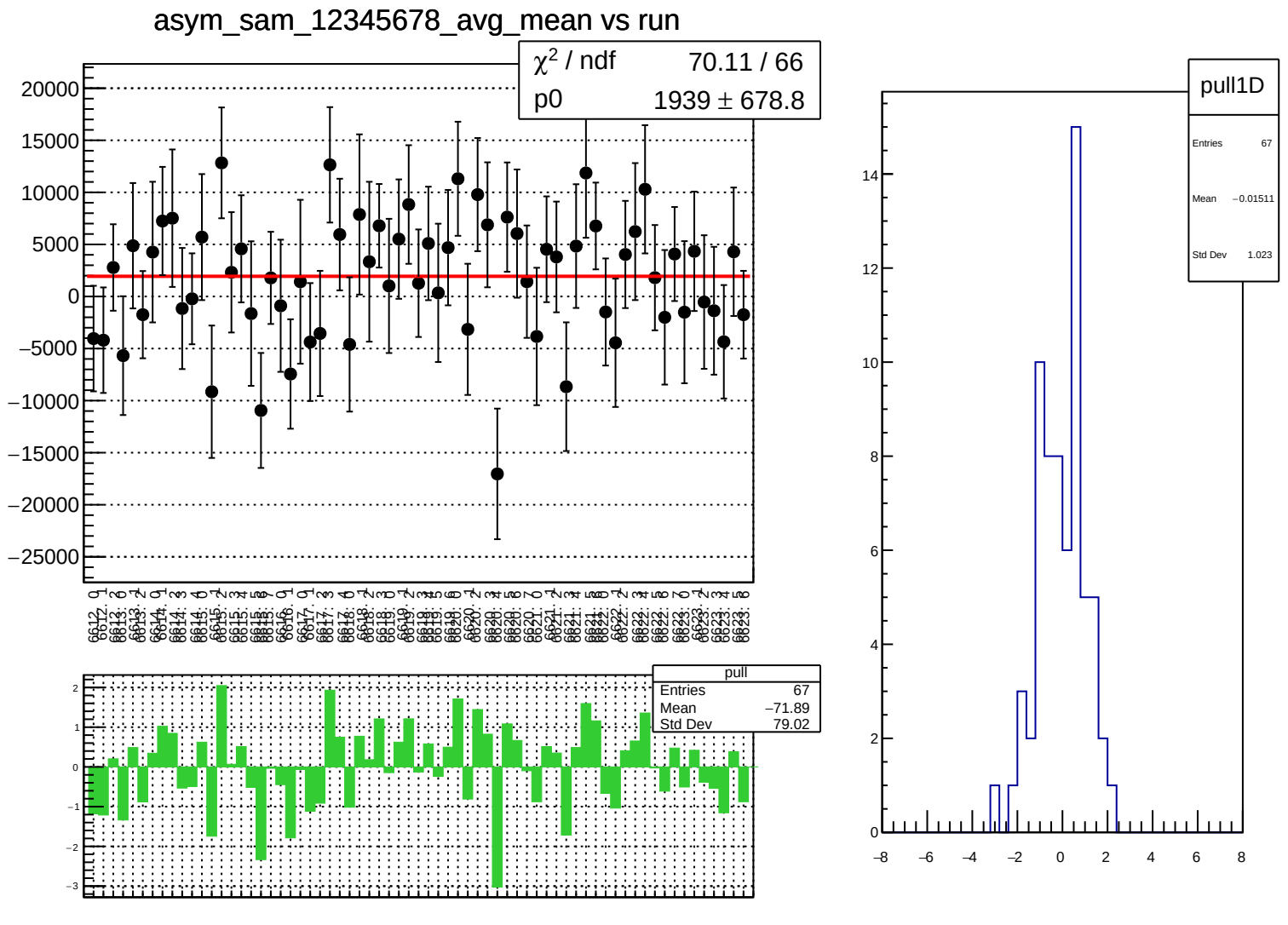

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 52.63 / 66
p0 111.1 ± 107.9
pull
Entries 67
Mean −174.6
Std Dev 201

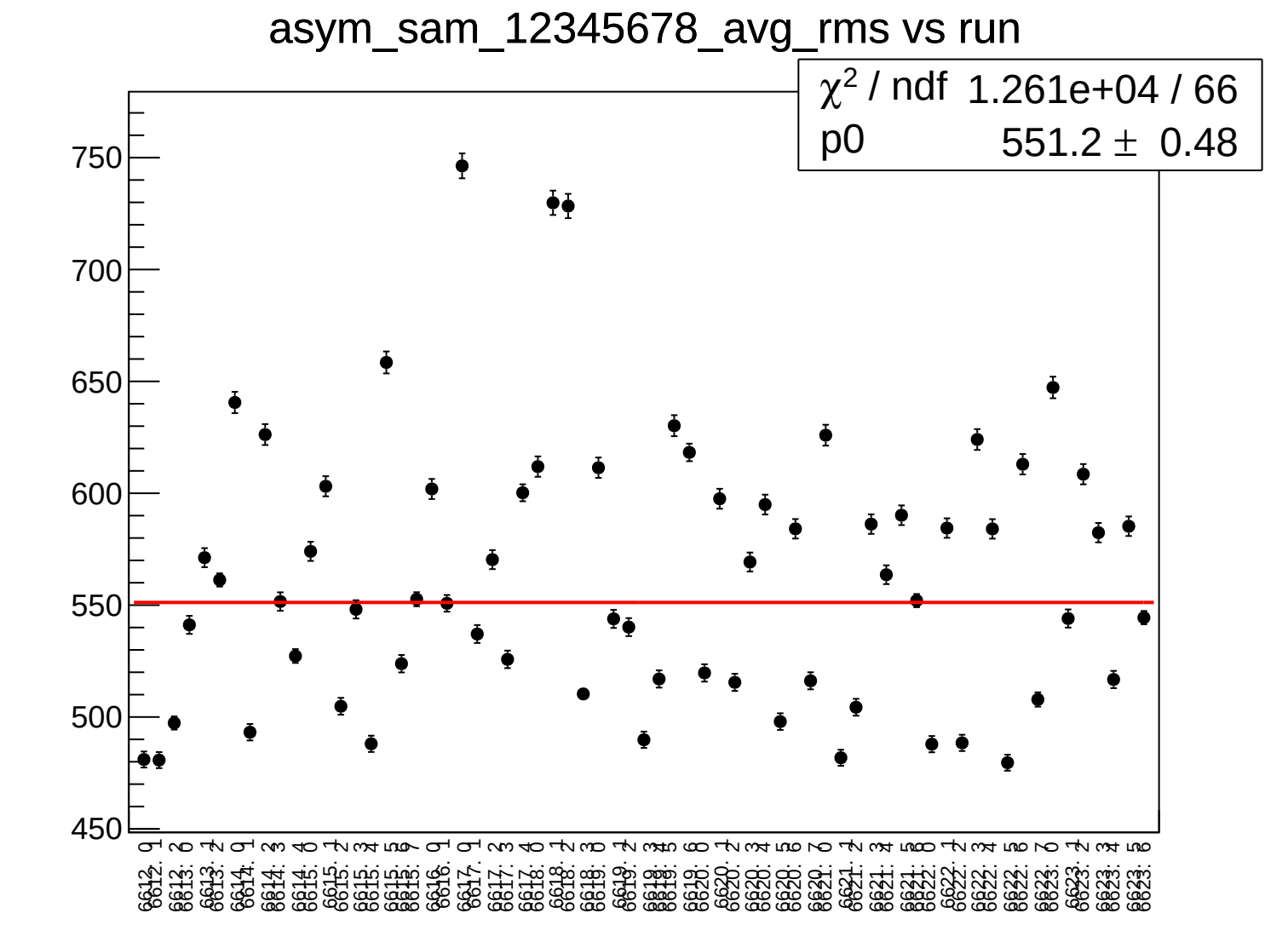

pull1D
Entries 67
Mean −0.004227
Std Dev 0.8863

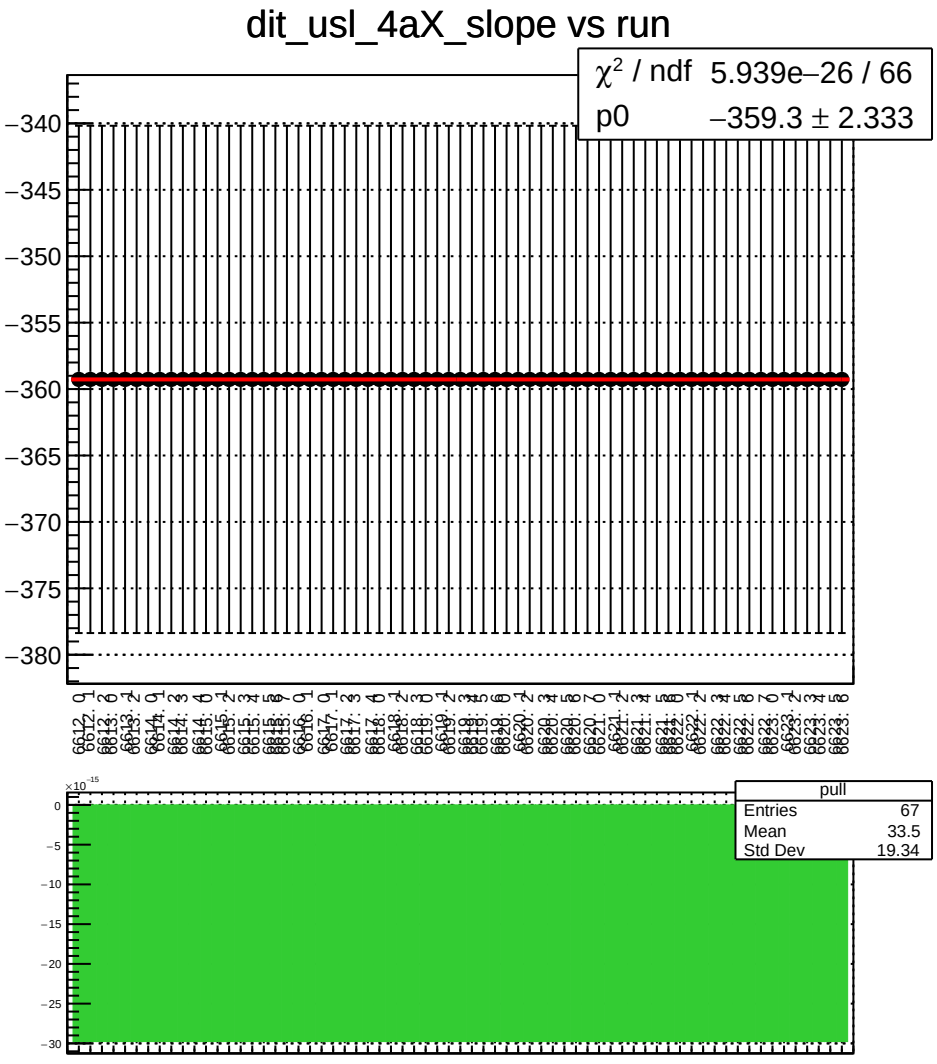

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.607e+04 / 66
p0 87.47 ± 0.07627
150
140
130
120
110
100
90
80
70

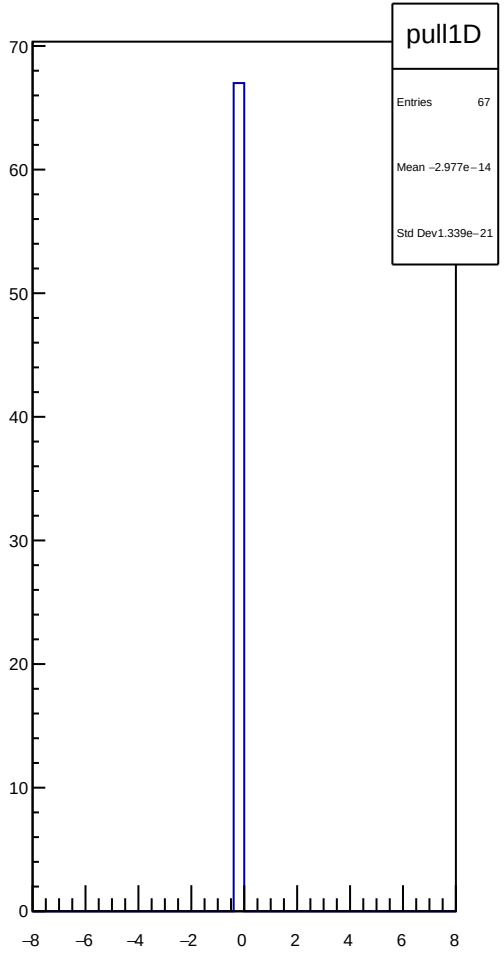

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 71.97 / 66
p0 −1804 ± 665.3
pull
Entries 67
Mean −68.17
Std Dev 68.86
pull1D
Entries 67
Mean 0.01314
Std Dev 1.036

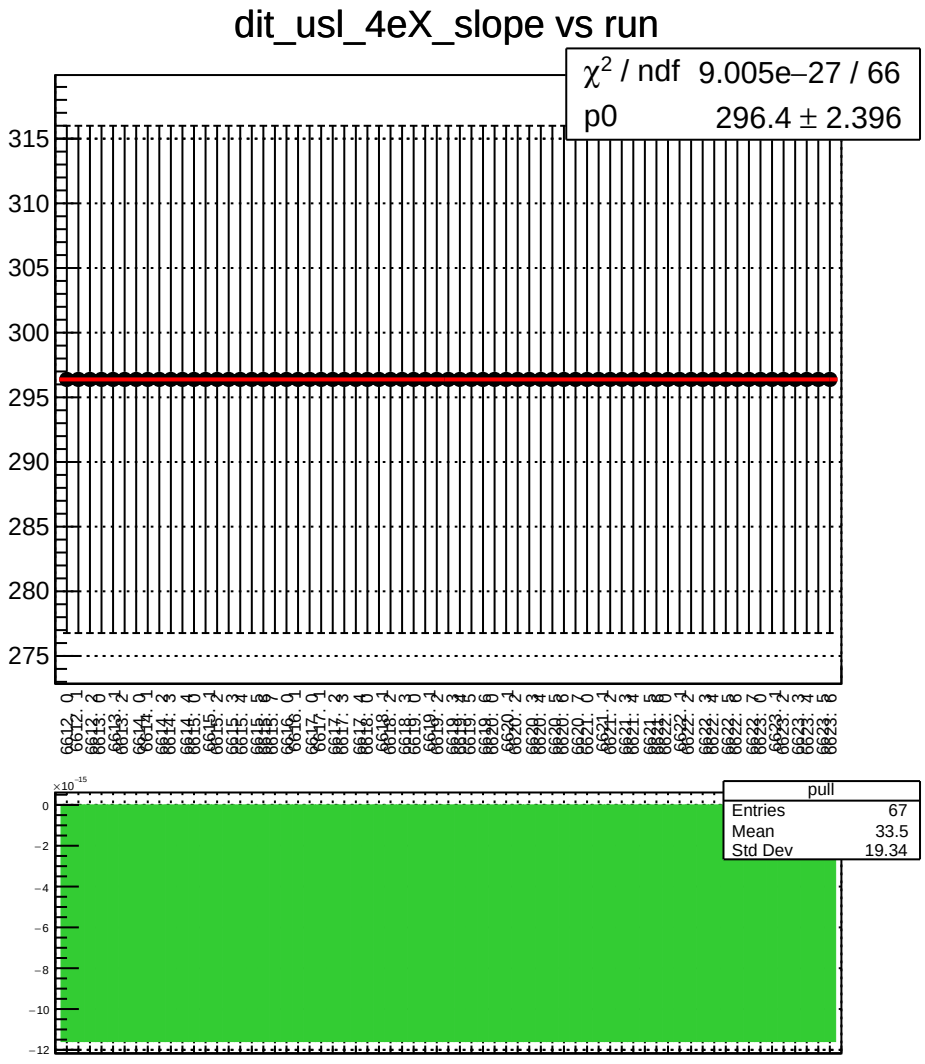

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 8987 / 66
p0 541 ± 0.4704
700
650
600
550
500
450

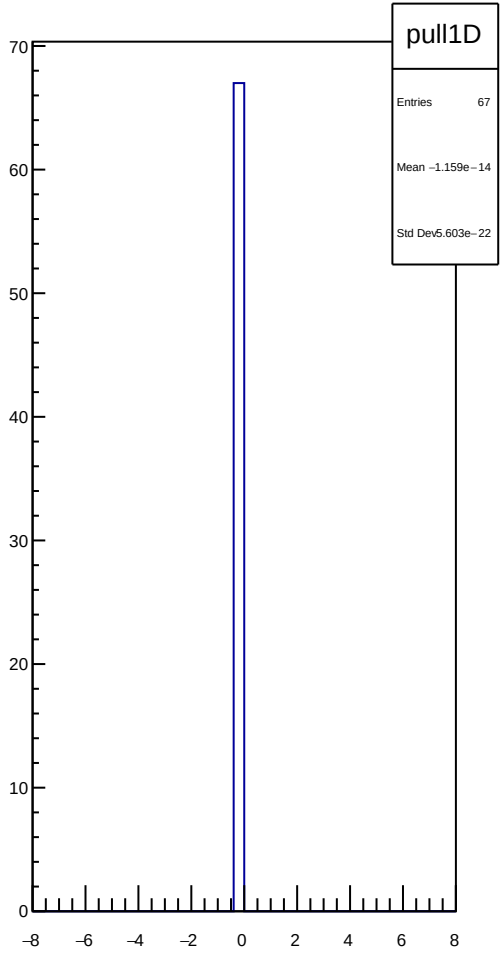

asym_sam_12345678_avg_mean vs run
χ² / ndf 70.11 / 66
p0 1939 ± 678.8
pull
Entries 67
Mean −71.89
Std Dev 79.02
pull1D
Entries 67
Mean −0.01511
Std Dev 1.023

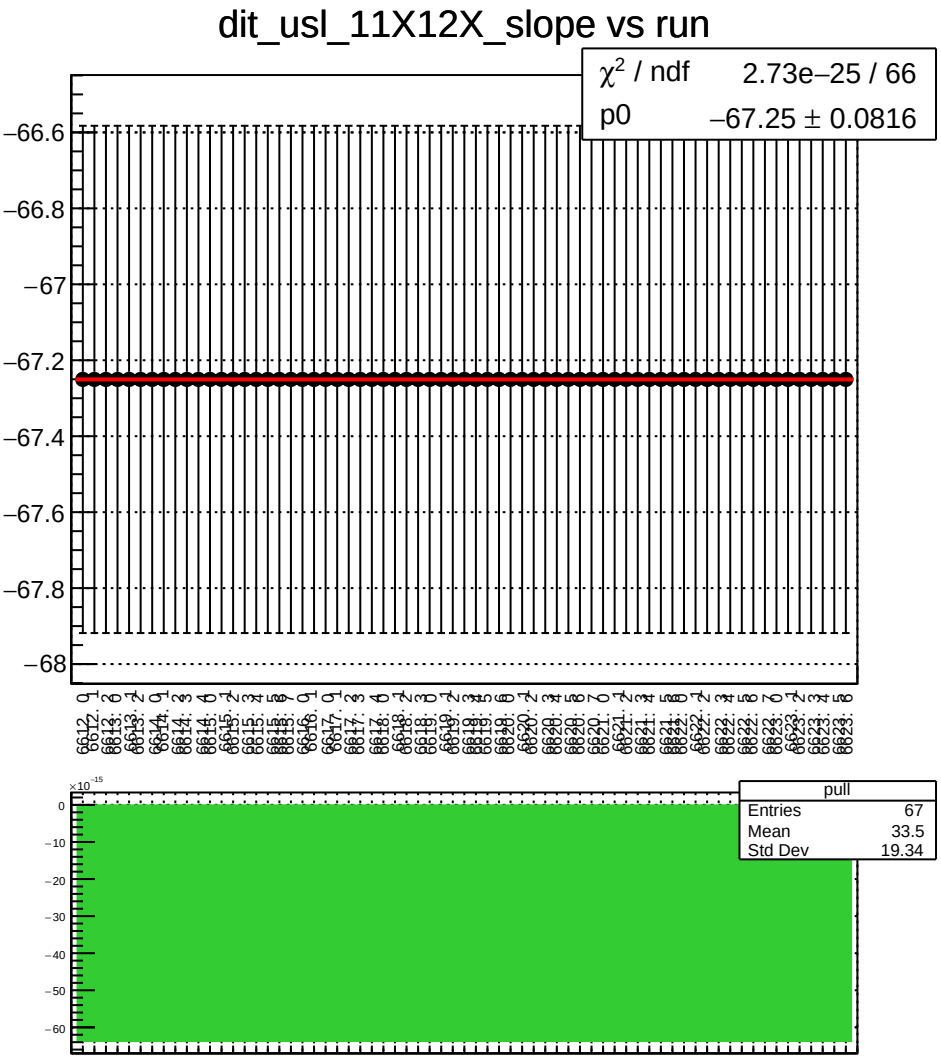

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.261e+04 / 66
p0 551.2 ± 0.48
750
700
650
600
550
500
450

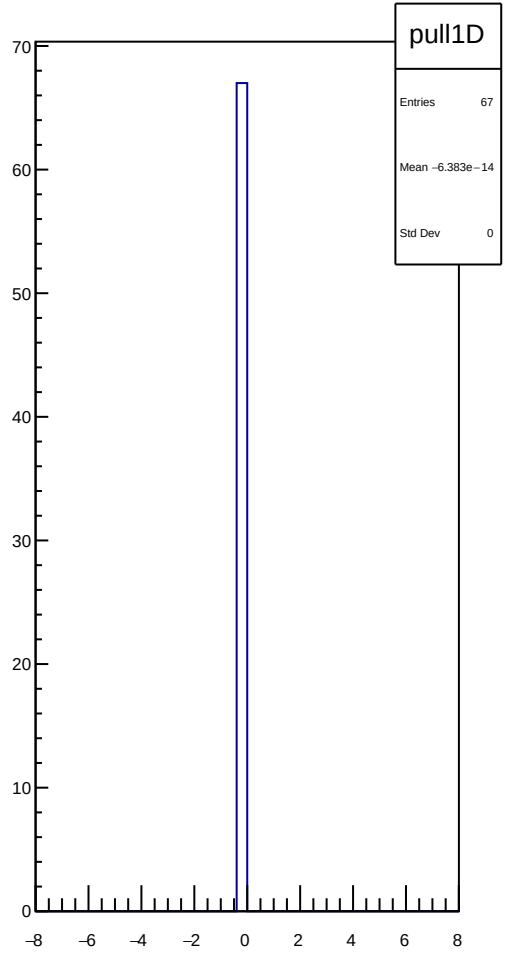

dit_usl_4aX_slope vs run
χ^2 / ndf 5.939e−26 / 66
p0 −359.3 ± 2.333
−340
−345
−350
−355
−360
−365
−370
−375
−380
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−5
−10
−15
−20
−25
−30

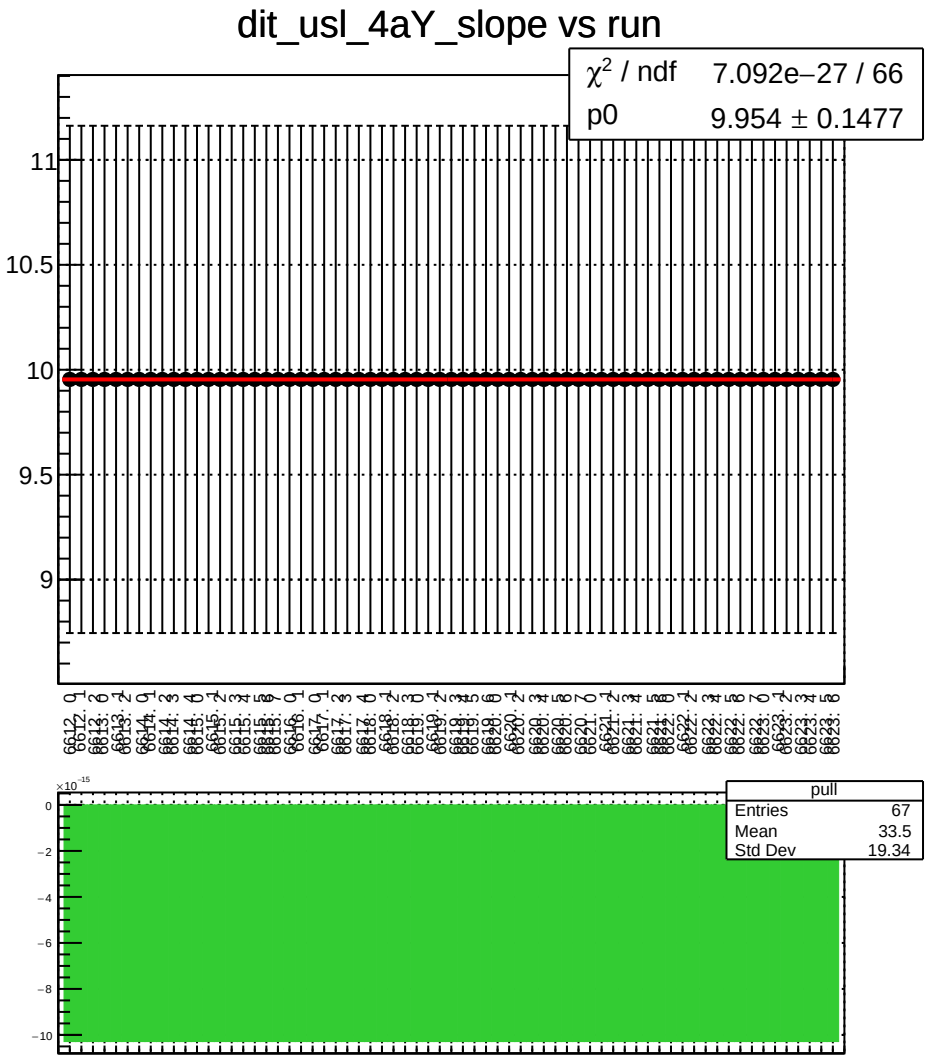

pull1D
Entries 67
Mean −2.977e−14
Std Dev1.339e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

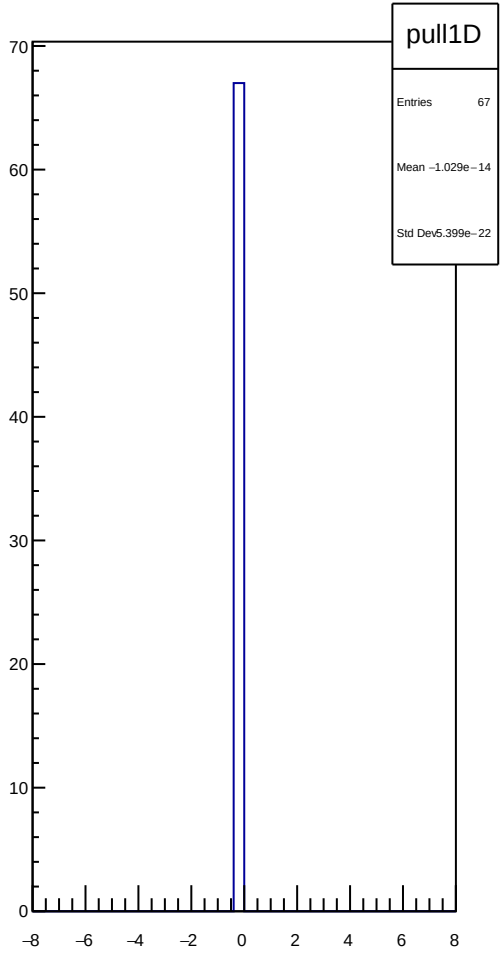

dit_usl_4eX_slope vs run
χ^2 / ndf 9.005e−27 / 66
p0 296.4 ± 2.396
315
310
305
300
295
290
285
280
275
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−2
−4
−6
−8
−10
−12

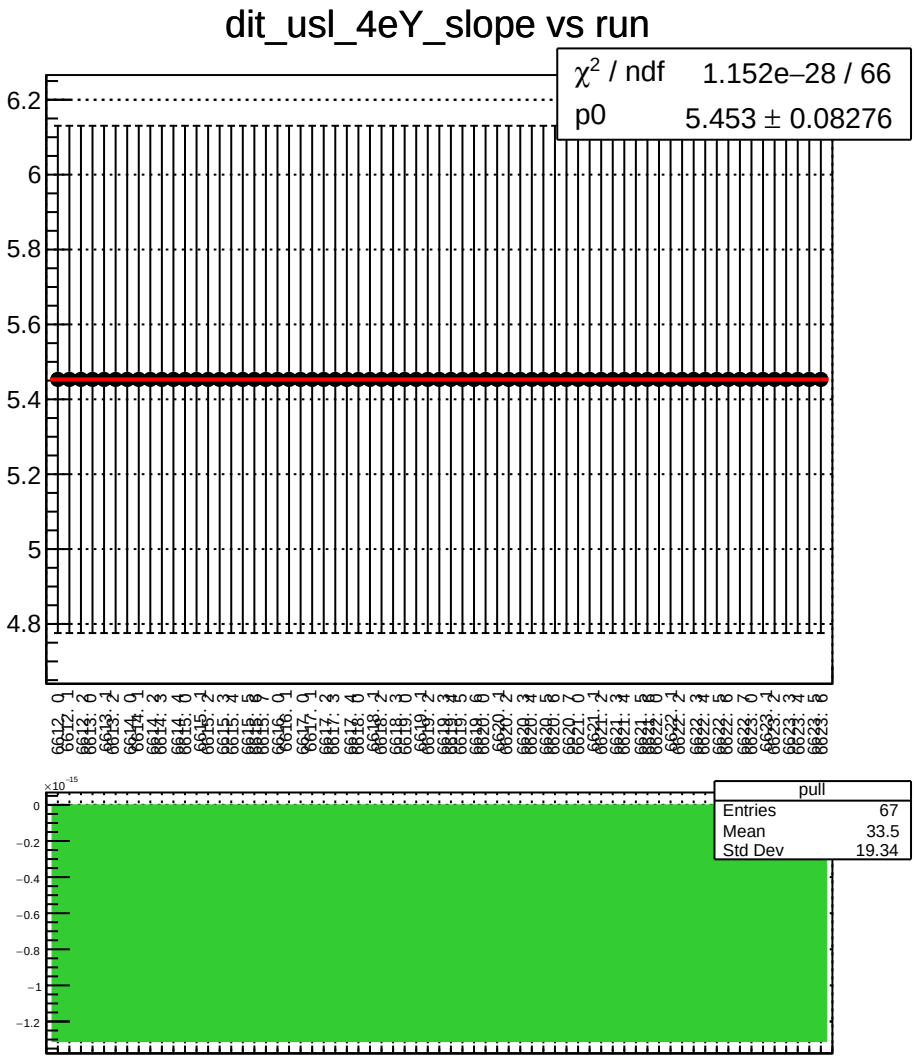

pull1D
Entries 67
Mean −1.159e−14
Std Dev 5.603e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

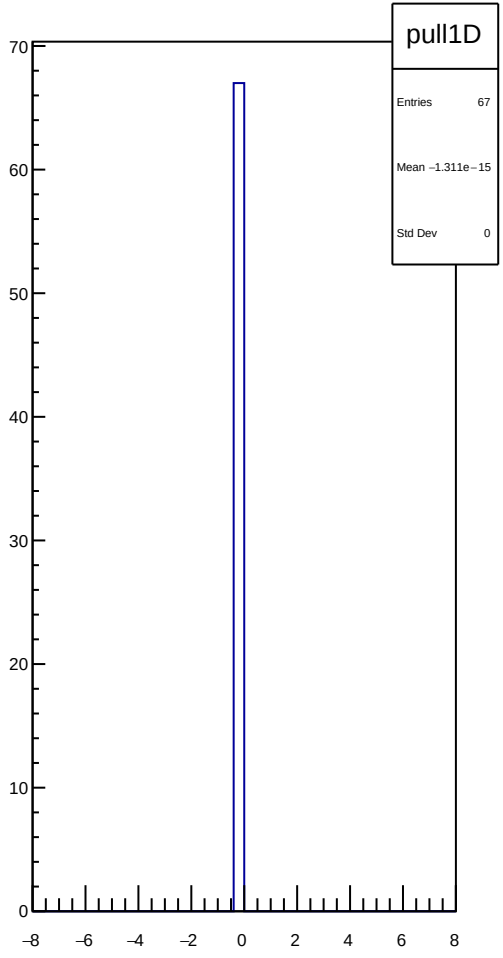

dit_usl_11X12X_slope vs run
χ^2 / ndf 2.73e−25 / 66
p0 −67.25 ± 0.0816
−66.6
−66.8
−67
−67.2
−67.4
−67.6
−67.8
−68
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−10
−20
−30
−40
−50
−60

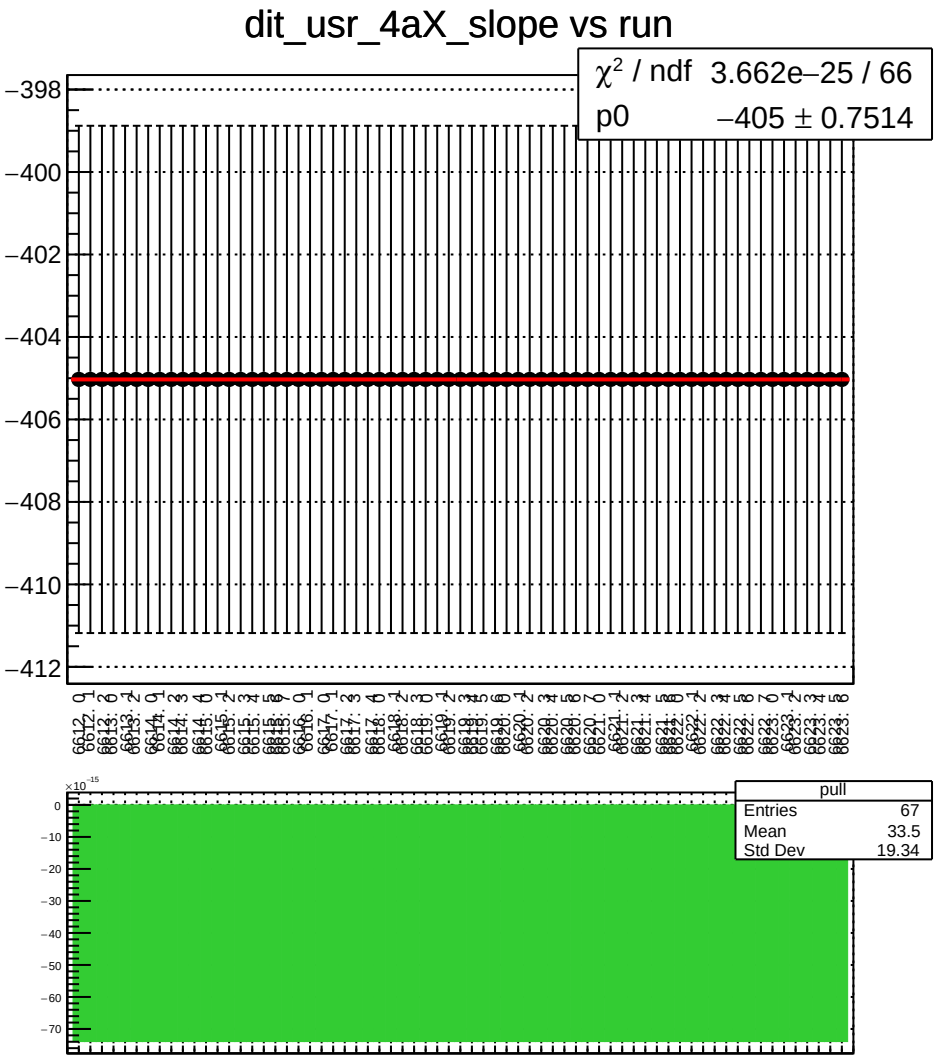

pull1D
Entries 67
Mean −6.383e−14
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

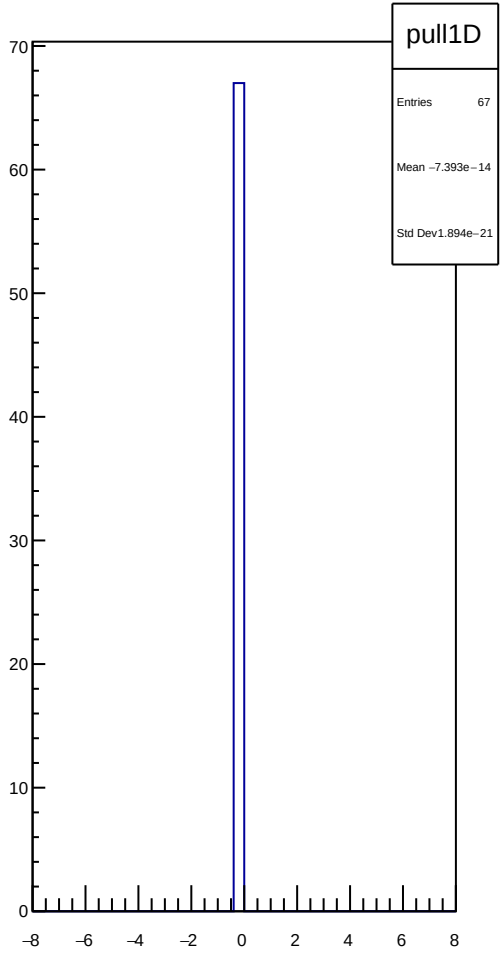

dit_usl_4aY_slope vs run
χ^2 / ndf 7.092e−27 / 66
p0 9.954 ± 0.1477
11
10.5
10
9.5
9
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
0
−2
−4
−6
−8
−10

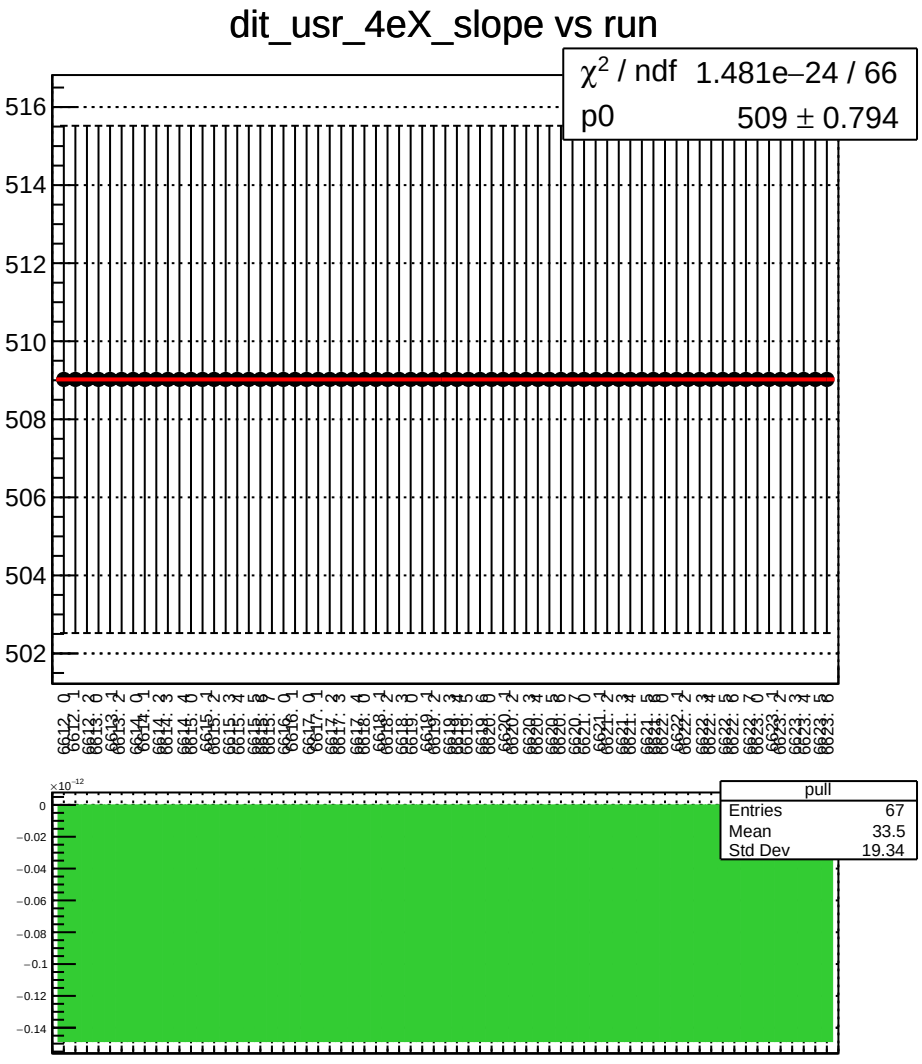

pull1D
Entries 67
Mean −1.029e−14
Std Dev 5.399e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

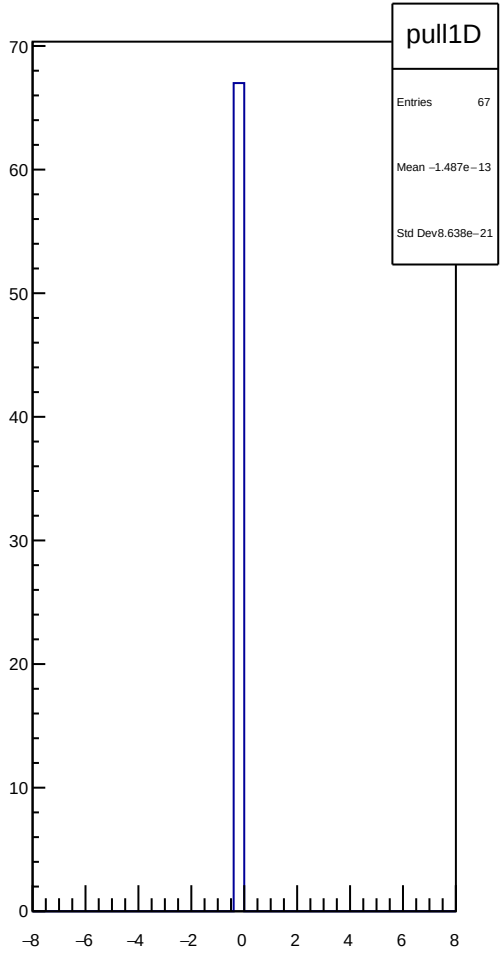

dit_usl_4eY_slope vs run
χ^2 / ndf 1.152e−28 / 66
p0 5.453 ± 0.08276
6.2
6
5.8
5.6
5.4
5.2
5
4.8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

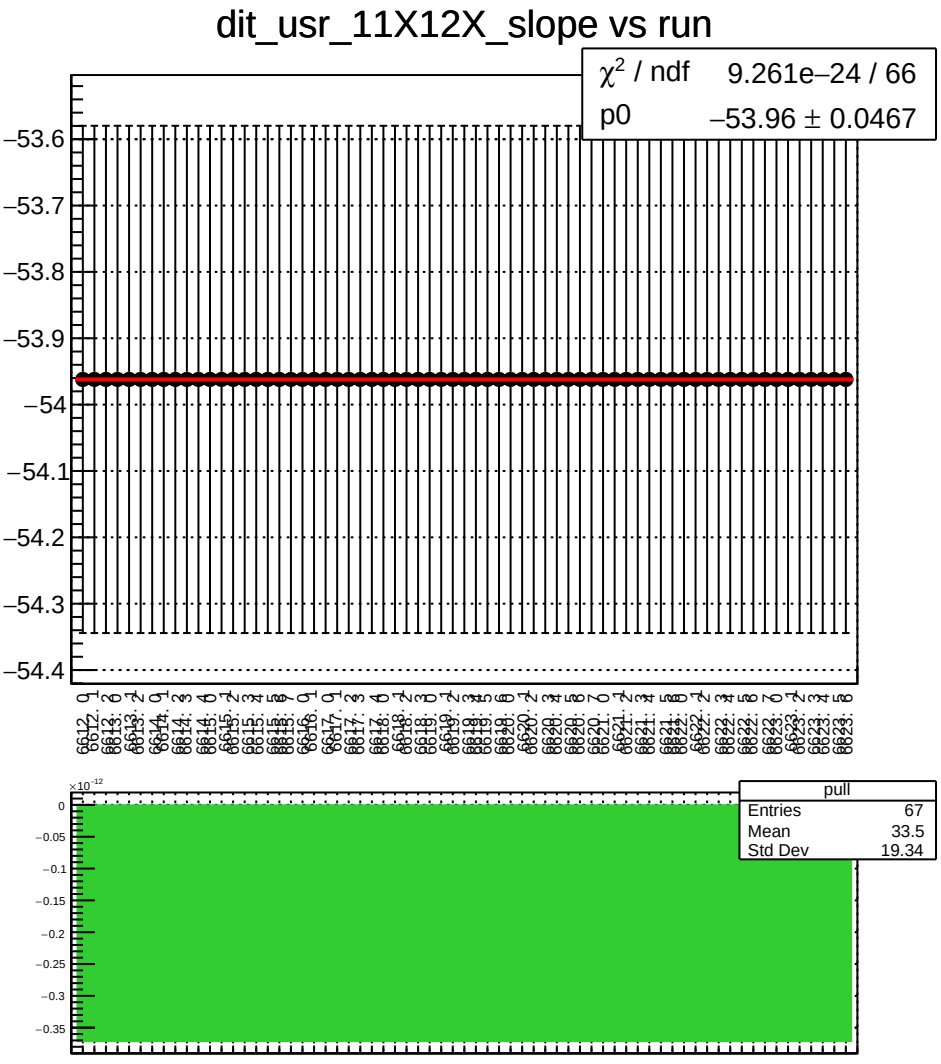

pull1D
Entries 67
Mean −1.311e−15
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

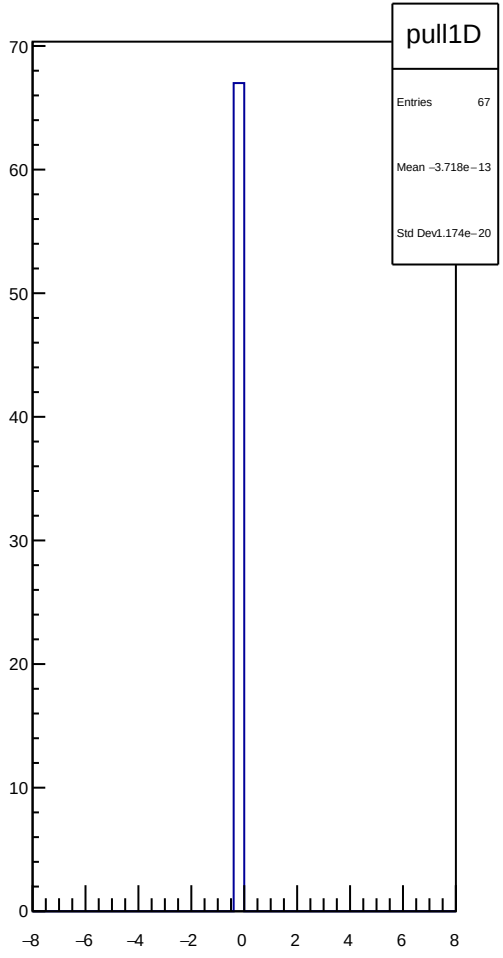

dit_usr_4aX_slope vs run
χ^2 / ndf 3.662e−25 / 66
p0 −405 ± 0.7514
−398
−400
−402
−404
−406
−408
−410
−412
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

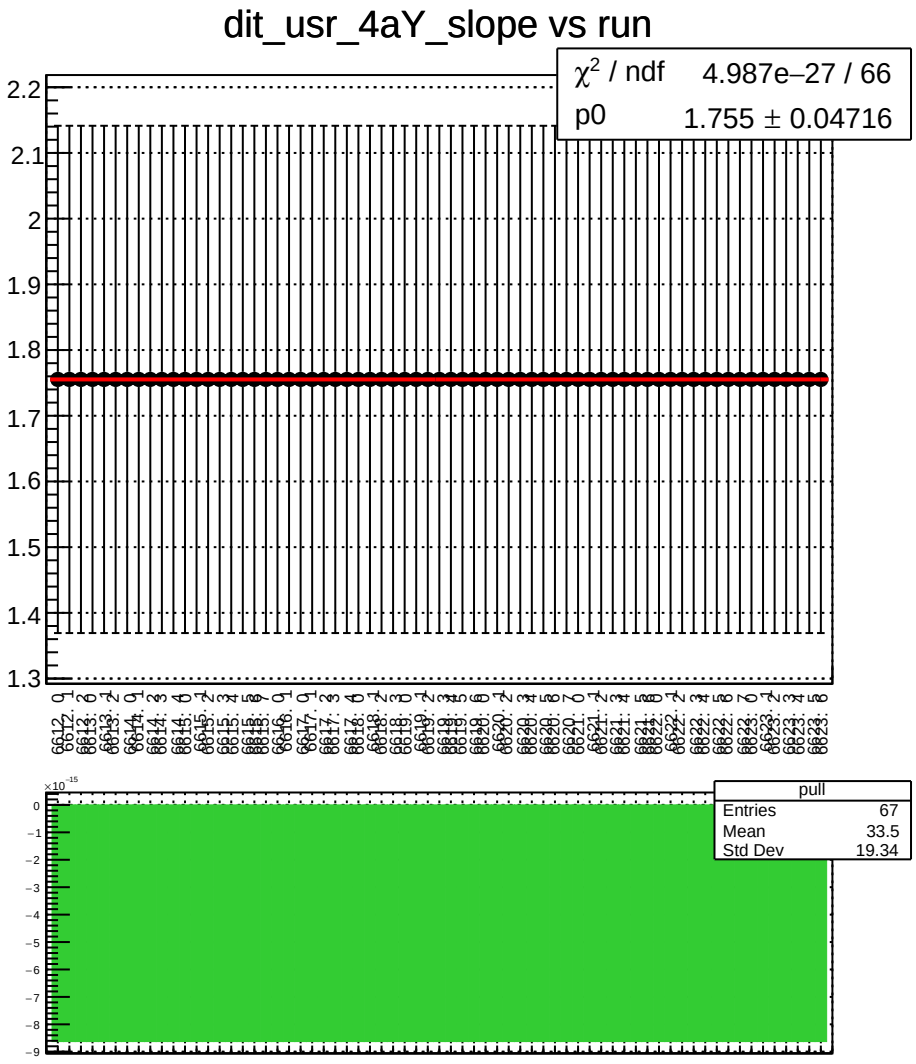

pull1D
Entries 67
Mean −7.393e−14
Std Dev 1.894e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

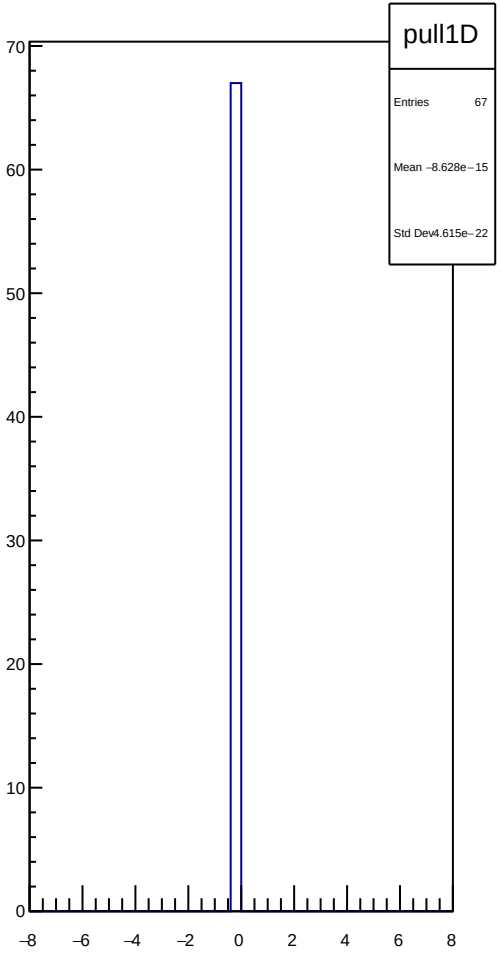

dit_usr_4eX_slope vs run
χ^2 / ndf 1.481e−24 / 66
p0 509 ± 0.794
516
514
512
510
508
506
504
502
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

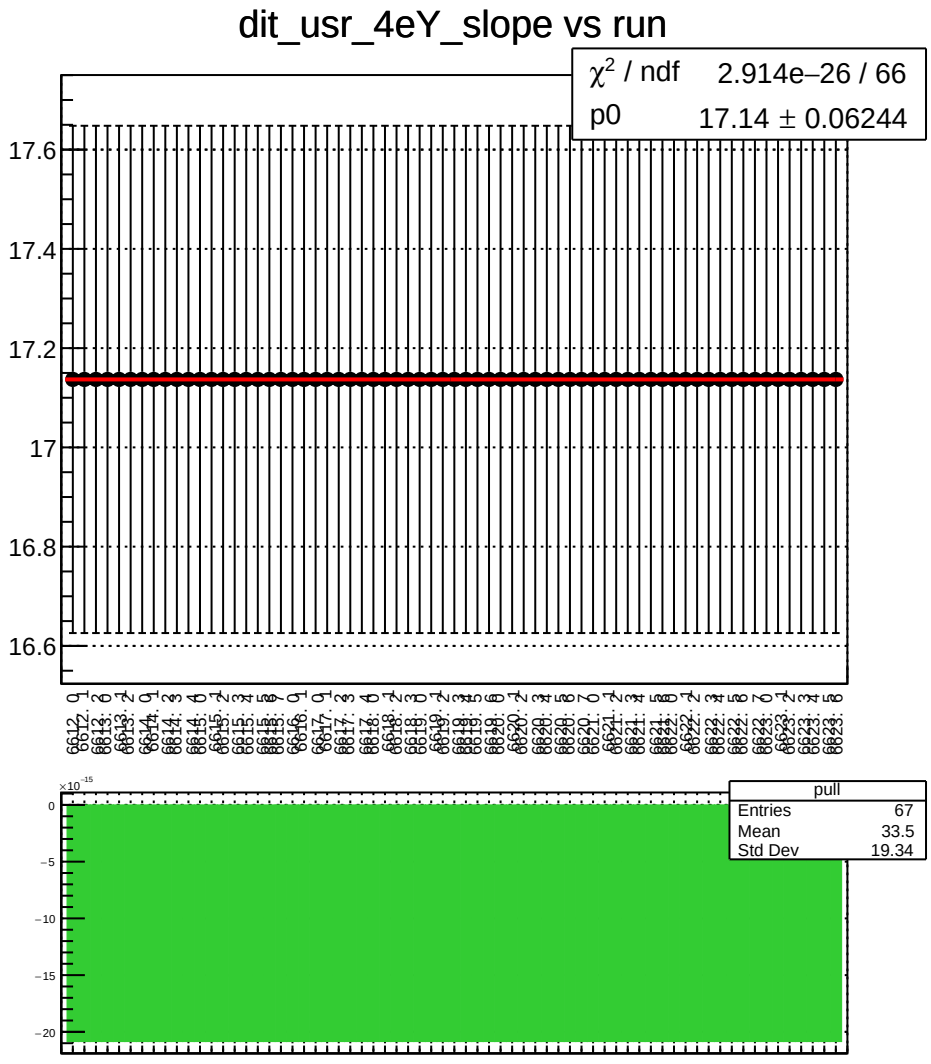

pull1D
Entries 67
Mean −1.487e−13
Std Dev8.638e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

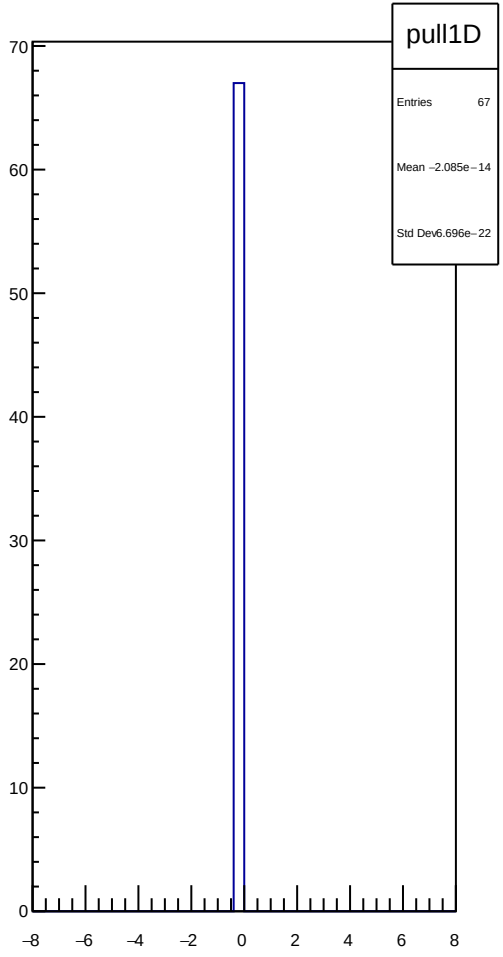

dit_usr_11X12X_slope vs run
χ^2 / ndf 9.261e−24 / 66
p0 −53.96 ± 0.0467
−53.6
−53.7
−53.8
−53.9
−54
−54.1
−54.2
−54.3
−54.4
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35

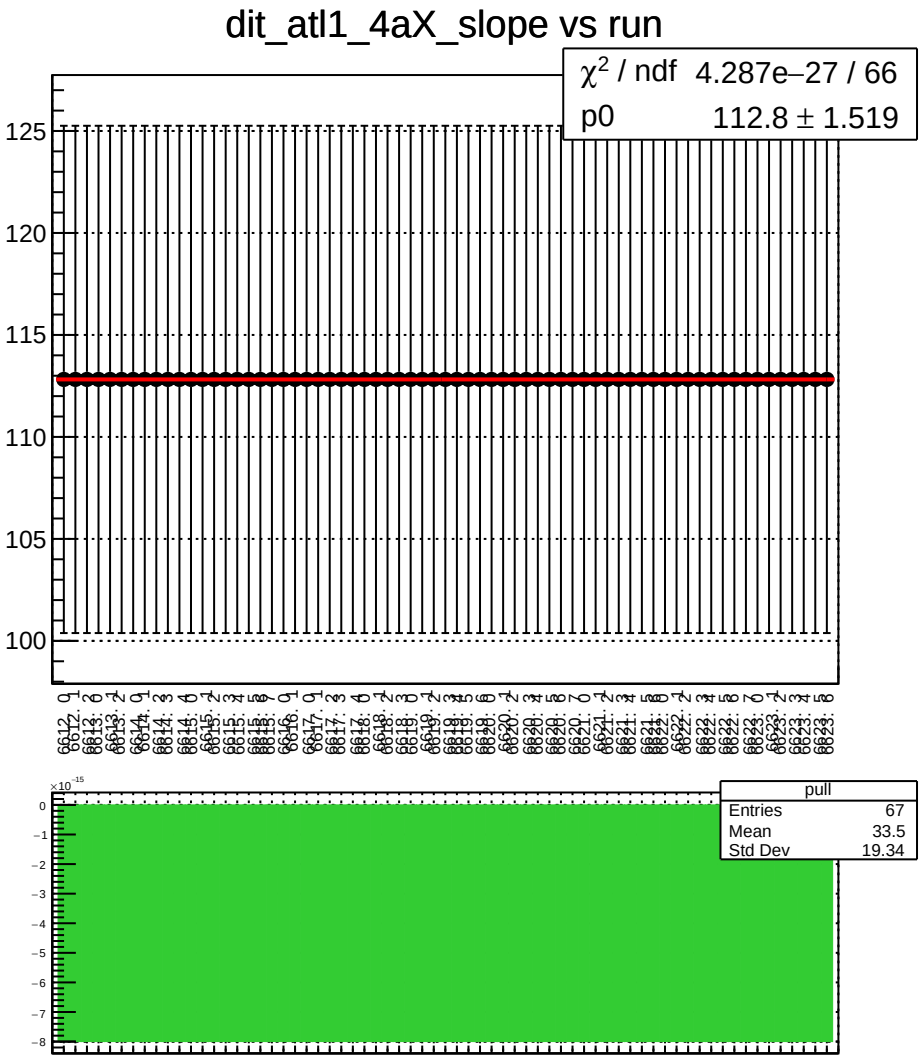

pull1D
Entries 67
Mean −3.718e−13
Std Dev 1.174e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

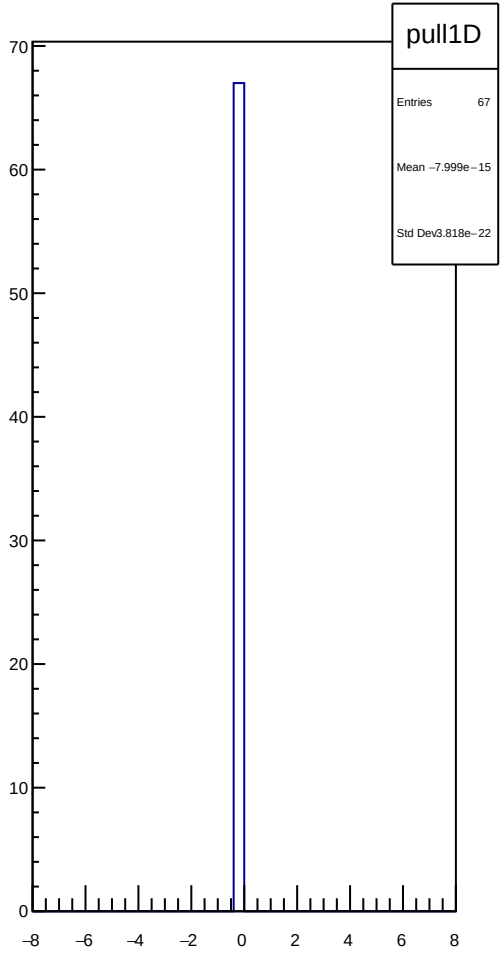

dit_usr_4aY_slope vs run
χ^2 / ndf 4.987e−27 / 66
p0 1.755 ± 0.04716
pull
Entries 67
Mean 33.5
Std Dev 19.34

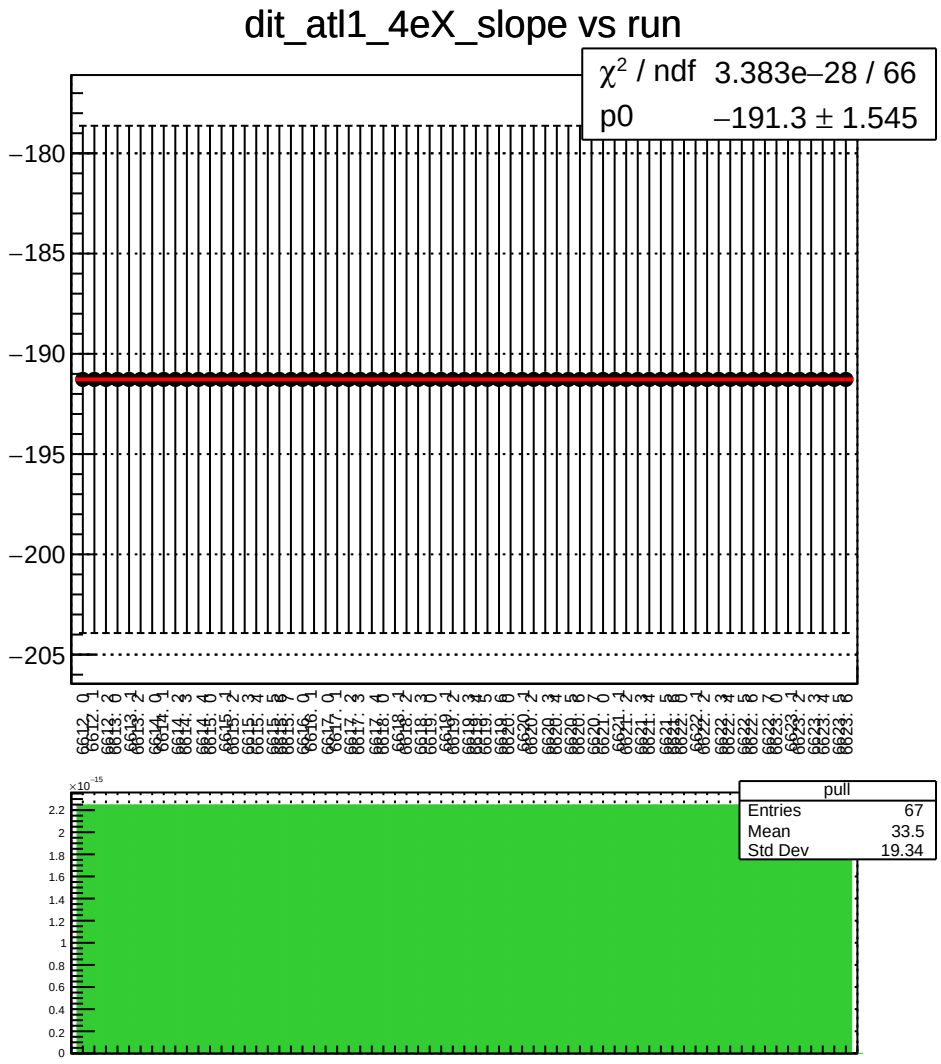

pull1D
Entries 67
Mean −8.628e−15
Std Dev4.615e−22

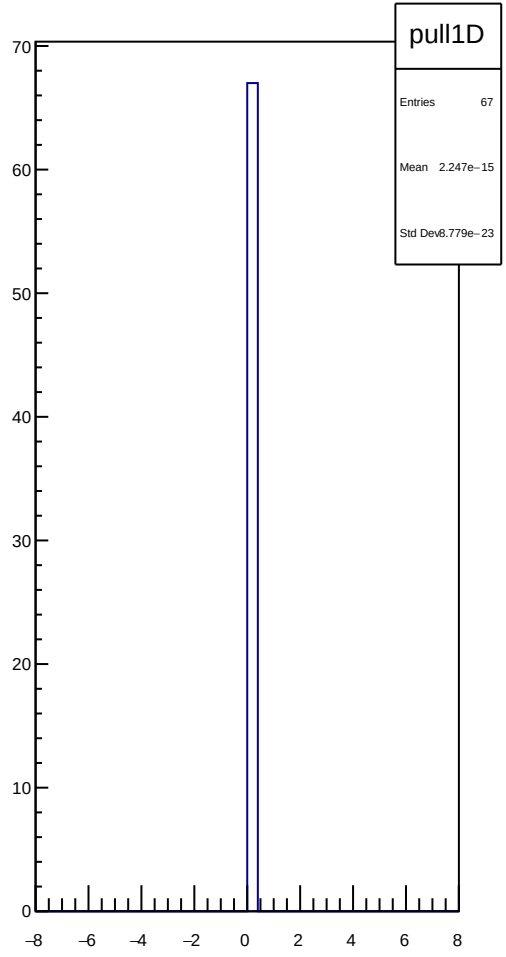

dit_usr_4eY_slope vs run
χ^2 / ndf 2.914e−26 / 66
p0 17.14 ± 0.06244
17.6
17.4
17.2
17
16.8
16.6
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−5
−10
−15
−20

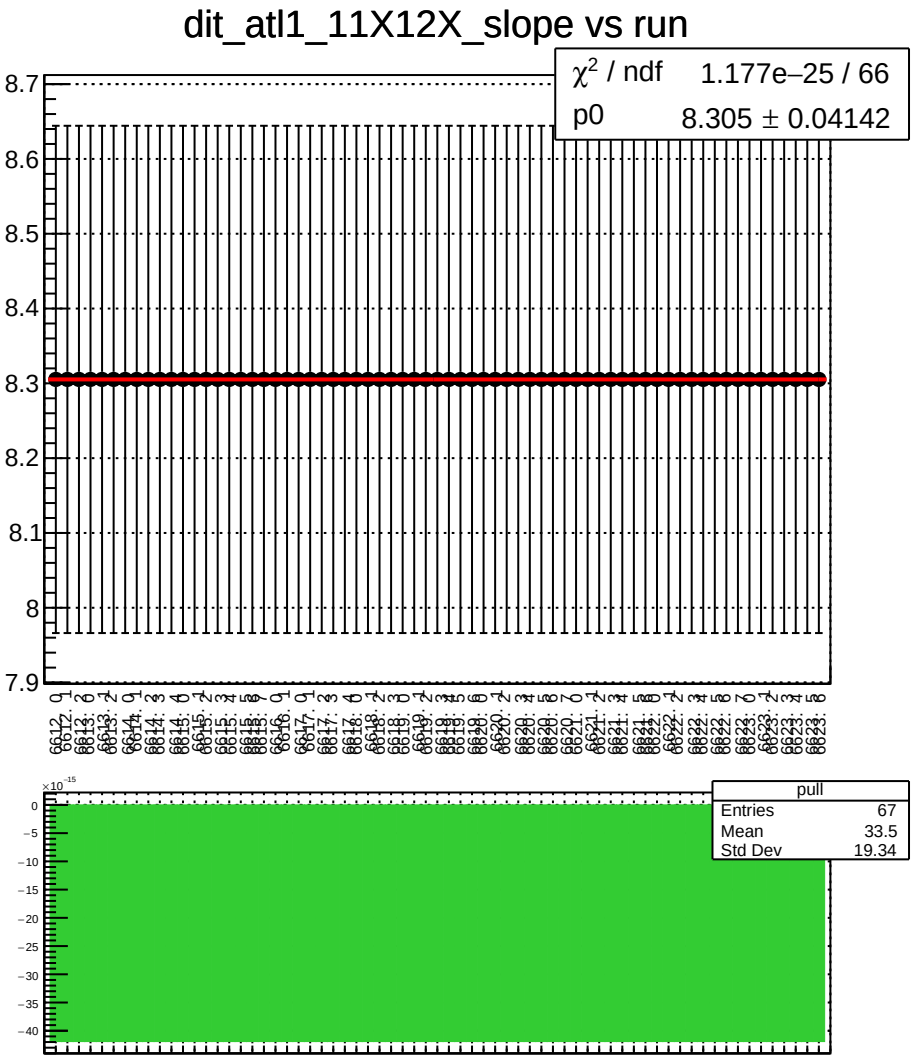

pull1D
Entries 67
Mean −2.085e−14
Std Dev 6.696e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

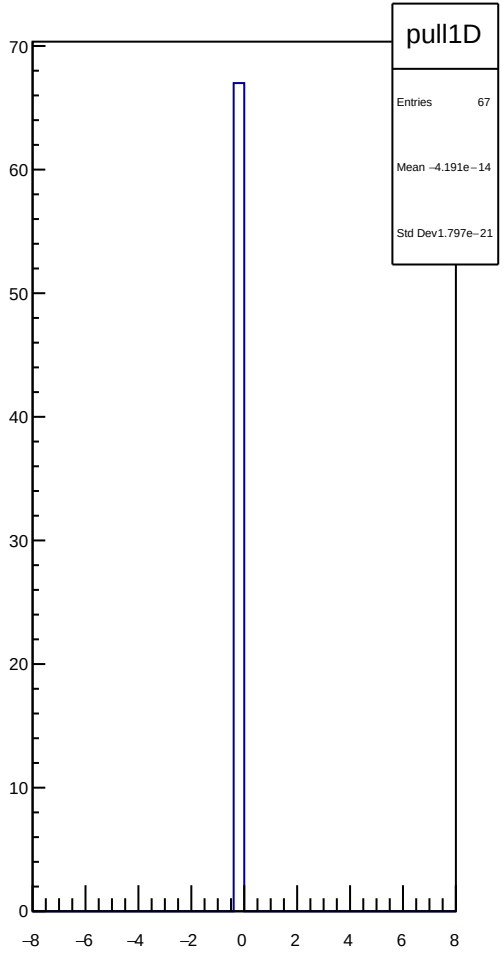

dit_atl1_4aX_slope vs run
χ^2 / ndf 4.287e−27 / 66
p0 112.8 ± 1.519
125
120
115
110
105
100
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

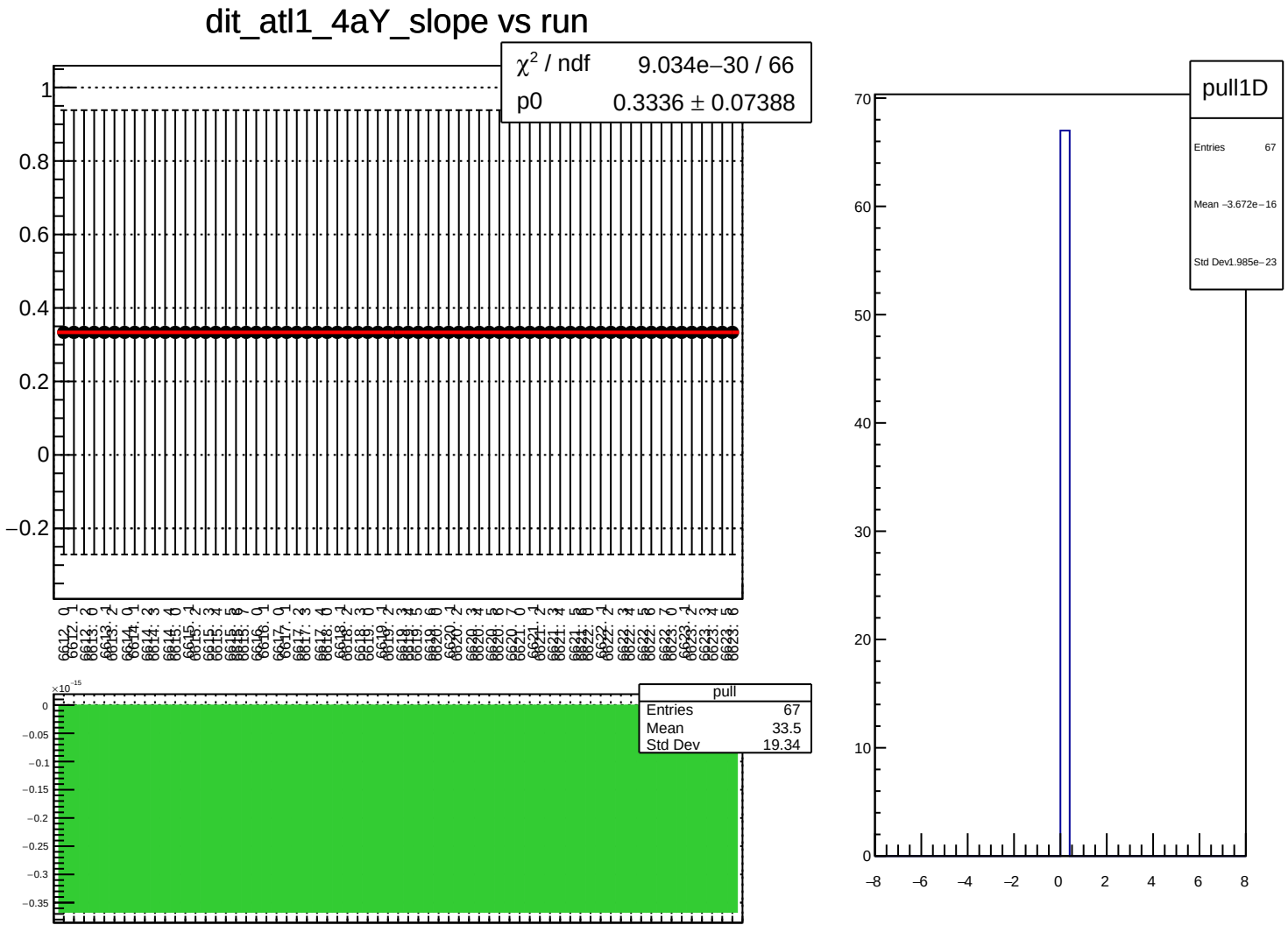

pull1D
Entries 67
Mean −7.999e−15
Std Dev 3.818e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

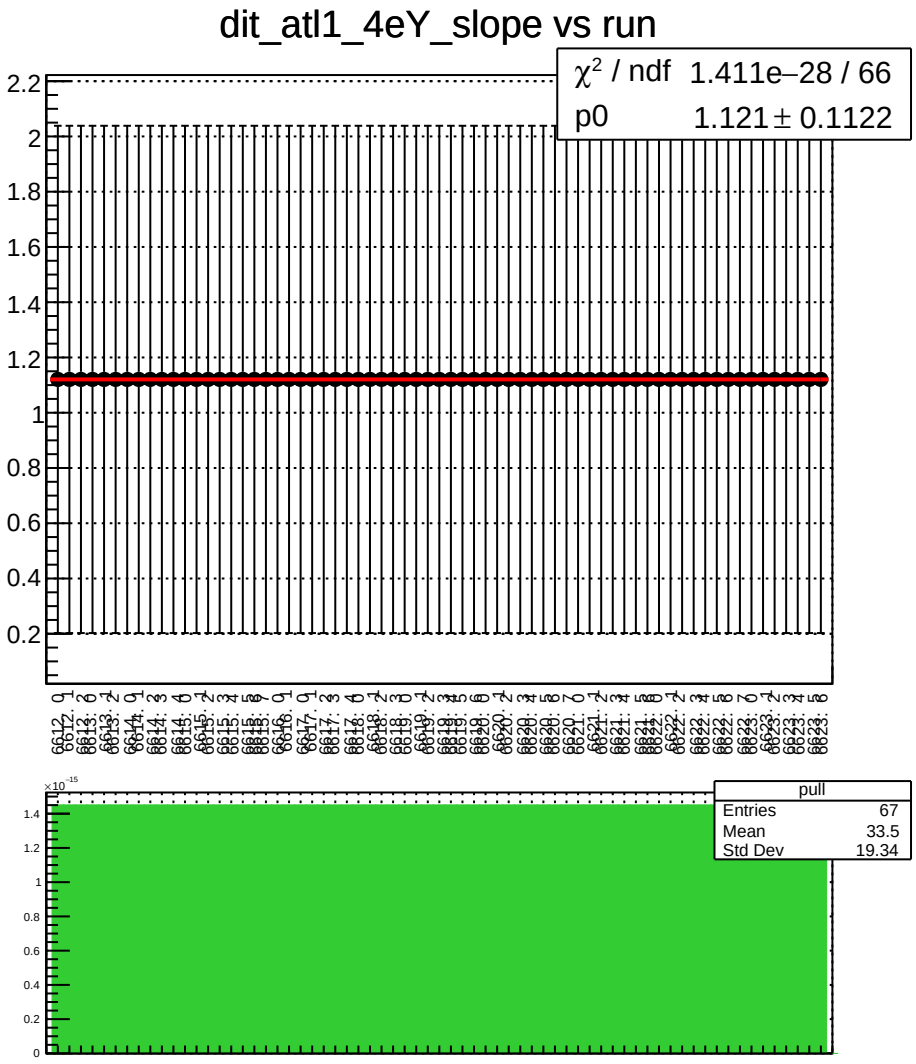

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.383e−28 / 66
p0 −191.3 ± 1.545
−180
−185
−190
−195
−200
−205
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

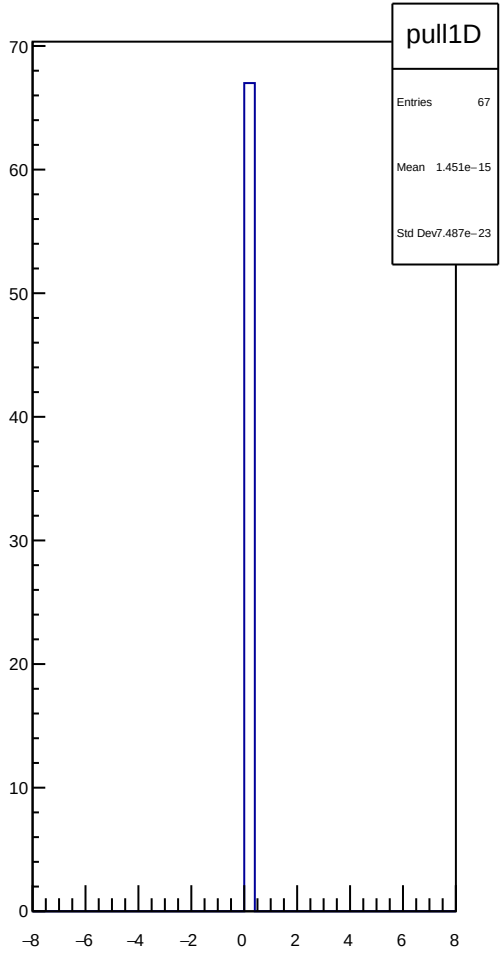

pull1D
Entries 67
Mean 2.247e−15
Std Dev 8.779e−23
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

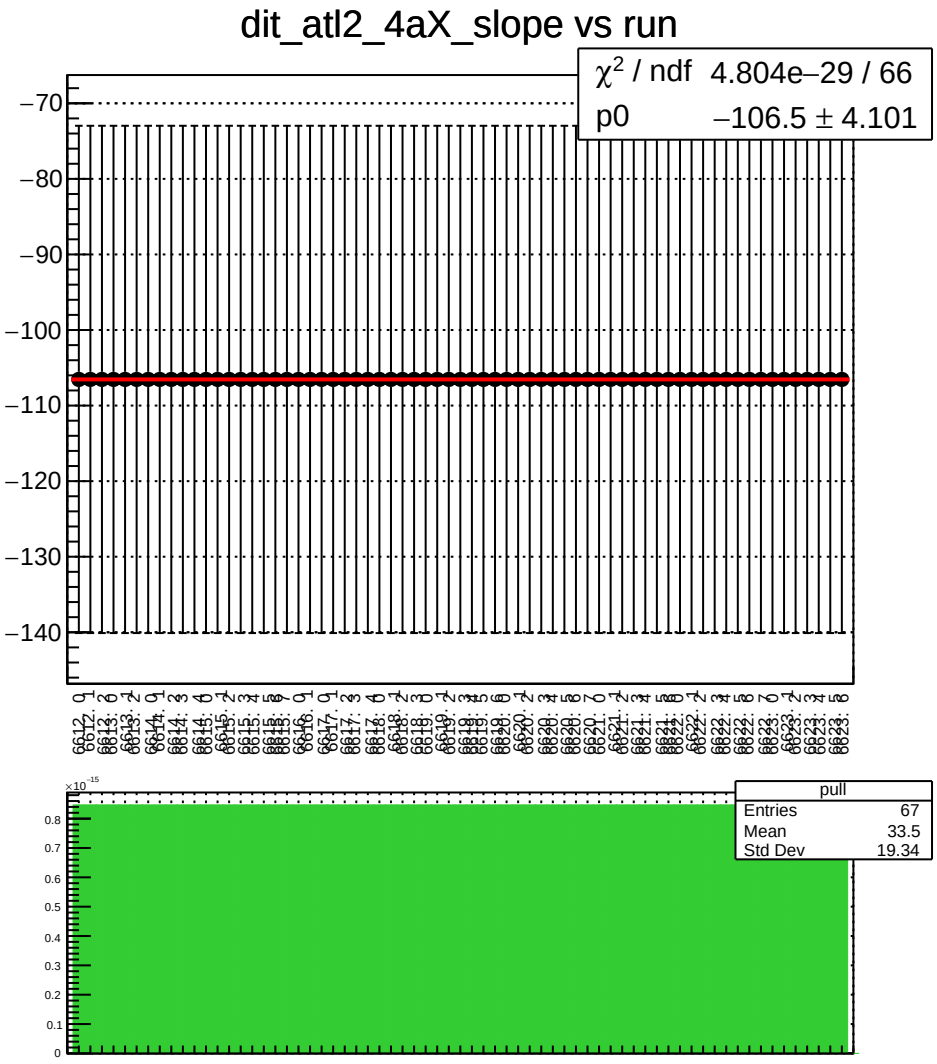

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.177e−25 / 66
p0 8.305 ± 0.04142
8.7
8.6
8.5
8.4
8.3
8.2
8.1
8
7.9
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

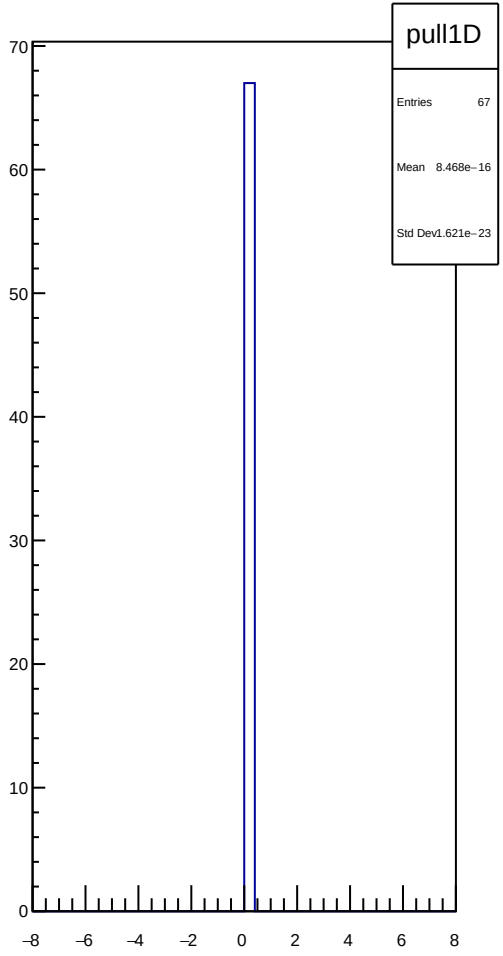

pull1D
Entries 67
Mean −4.191e−14
Std Dev 1.797e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_4aY_slope vs run
χ^2 / ndf 9.034e−30 / 66
p0 0.3336 ± 0.07388
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean −3.672e−16
Std Dev1.985e−23

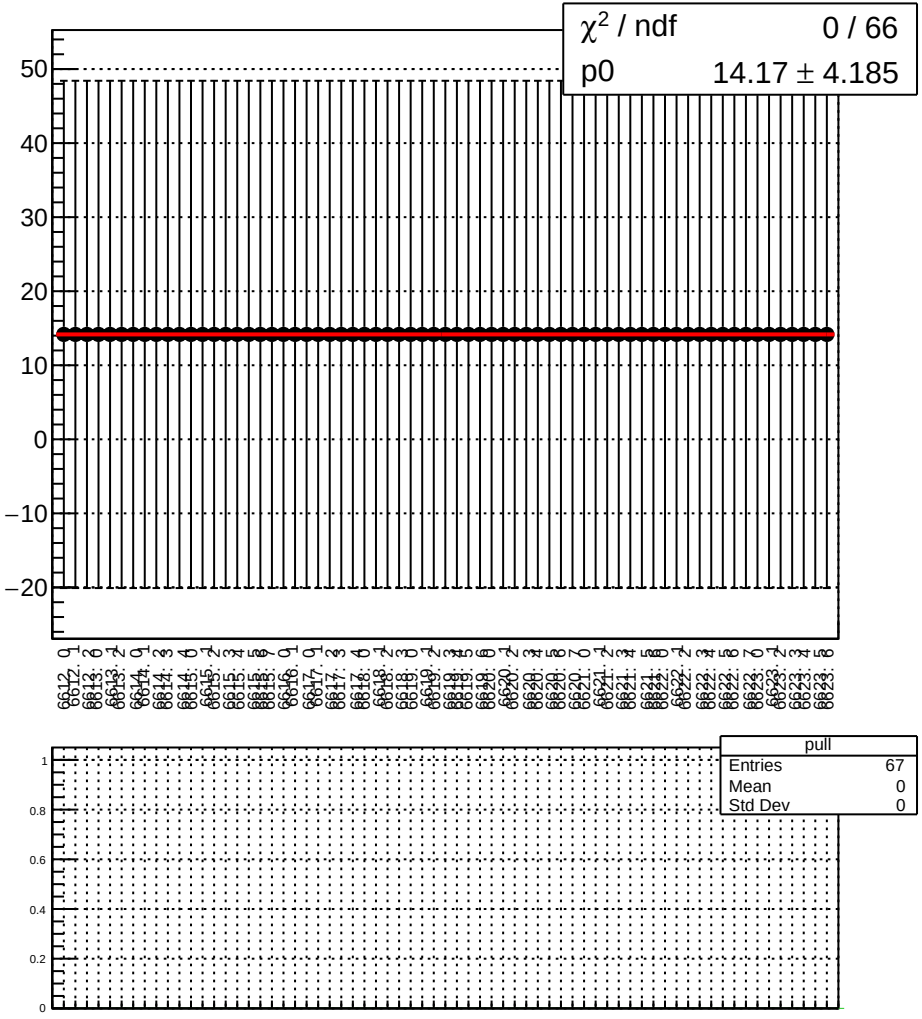

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.411e−28 / 66
p0 1.121 ± 0.1122
pull
Entries 67
Mean 33.5
Std Dev 19.34

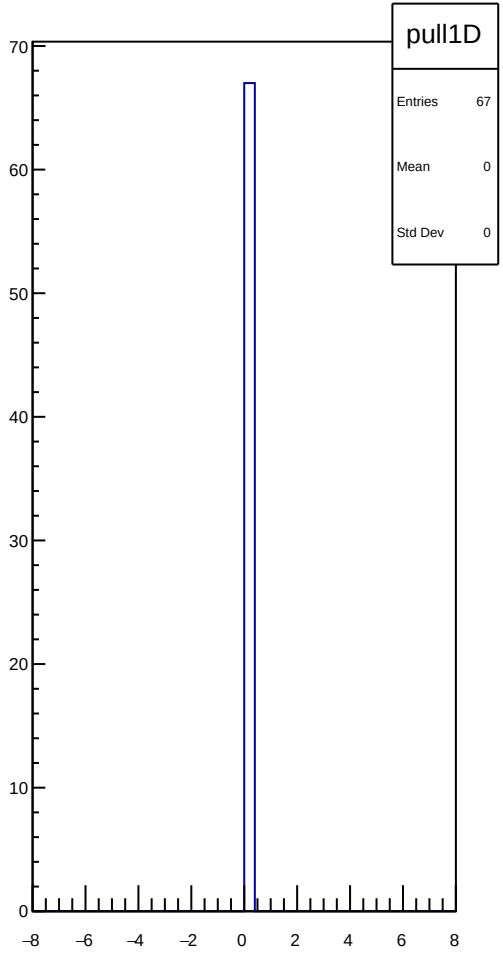

pull1D
Entries 67
Mean 1.451e−15
Std Dev7.487e−23

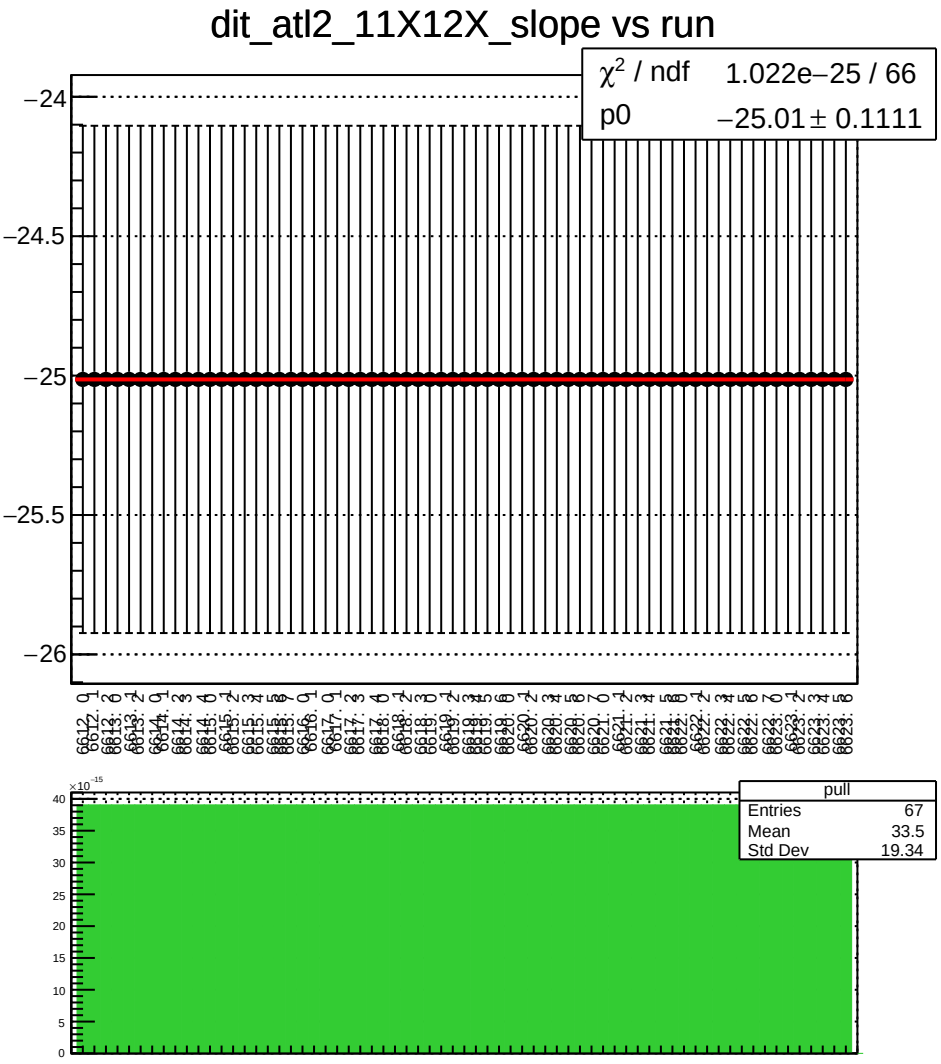

dit_atl2_4aX_slope vs run
χ^2 / ndf 4.804e−29 / 66
p0 −106.5 ± 4.101
pull
Entries 67
Mean 33.5
Std Dev 19.34

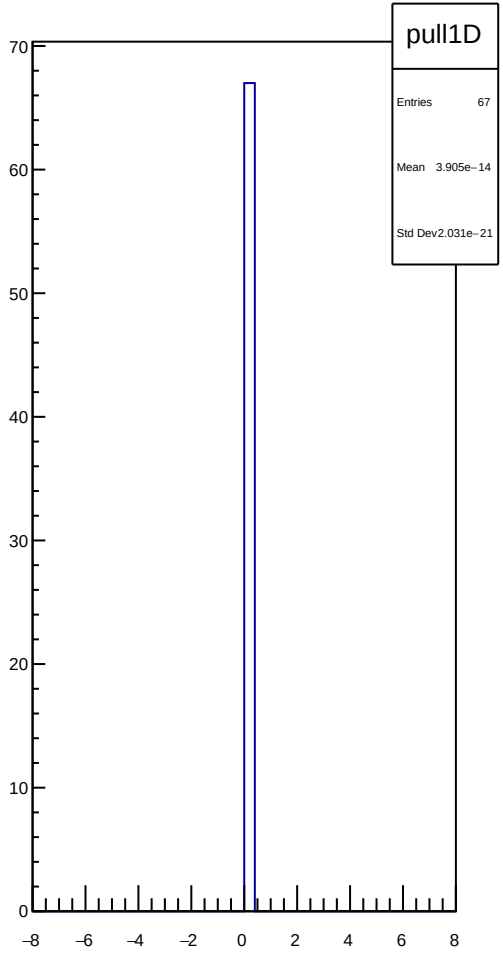

pull1D
Entries 67
Mean 8.468e−16
Std Dev1.621e−23

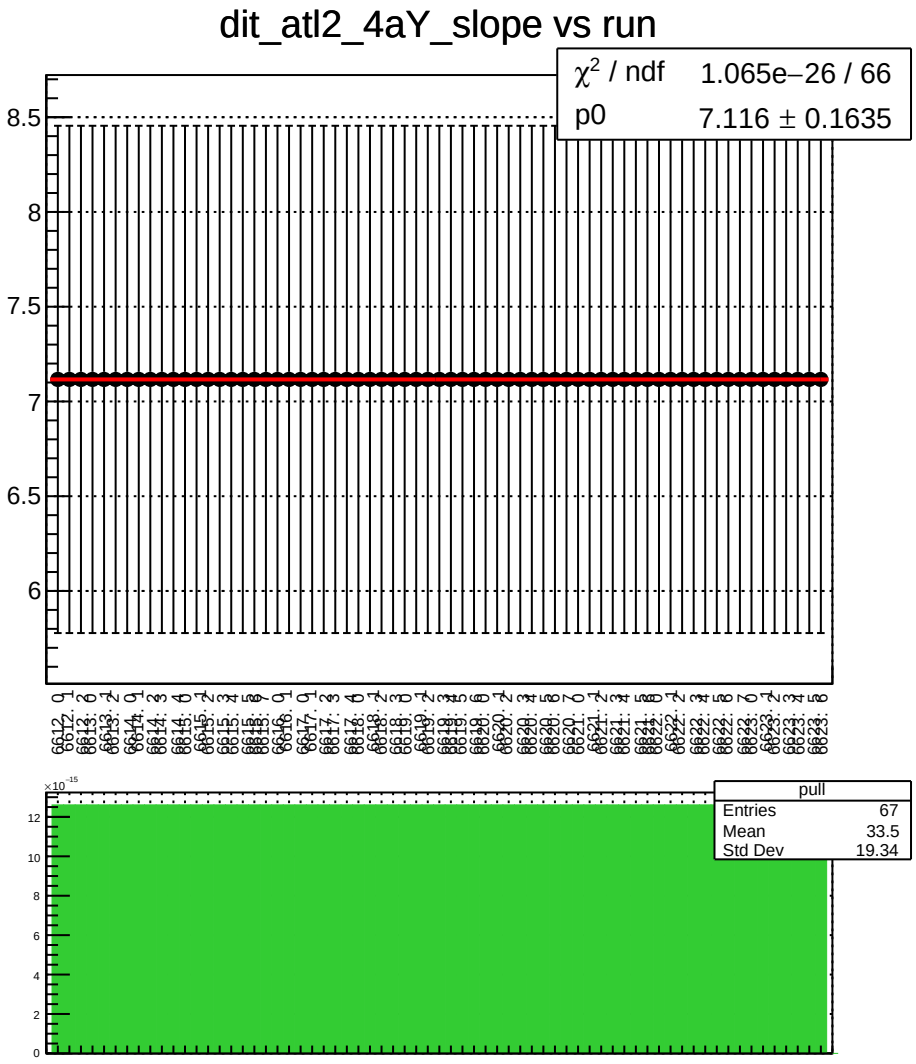
dit_atl2_4eX_slope vs run

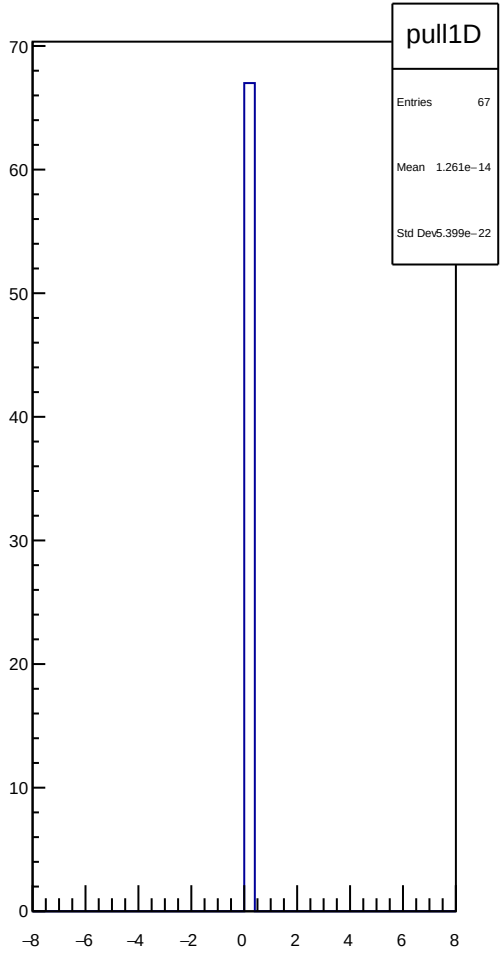


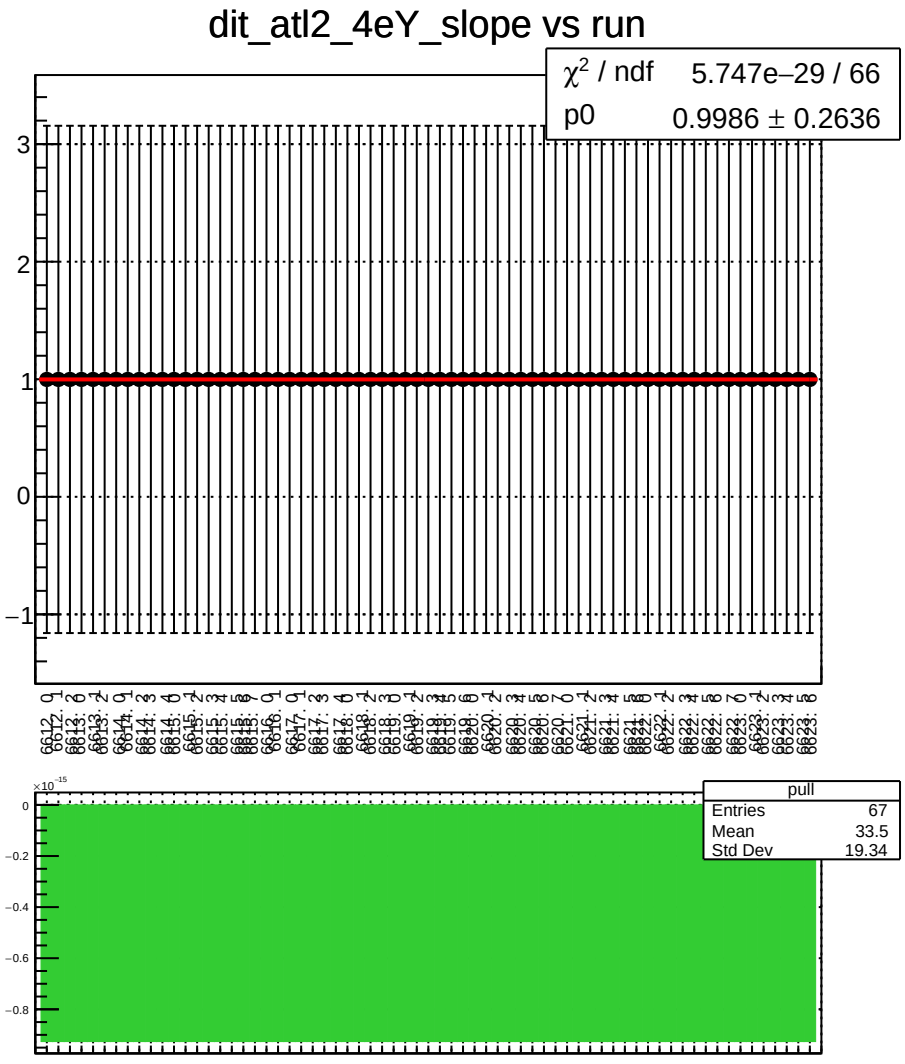


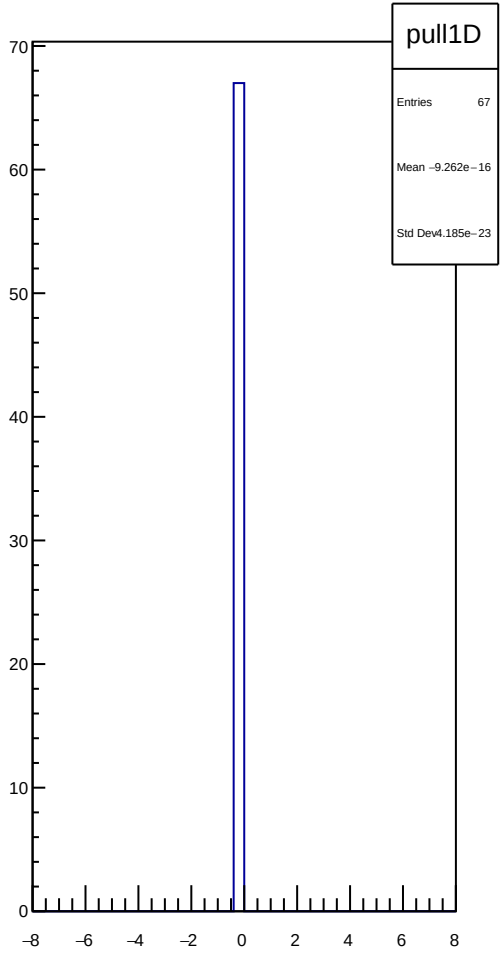

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.022e−25 / 66
p0 −25.01 ± 0.1111
−24
−24.5
−25
−25.5
−26
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
40
35
30
25
20
15
10
5
0

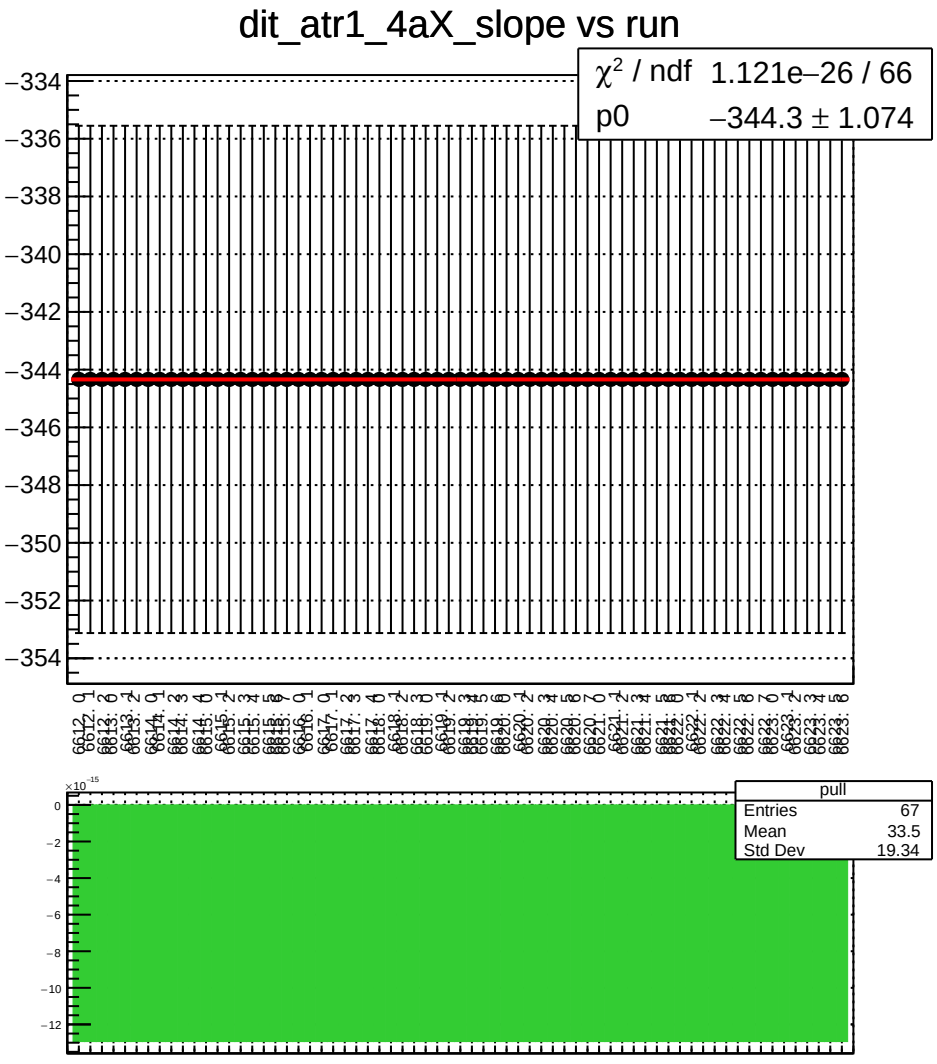

pull1D
Entries 67
Mean 3.905e−14
Std Dev 2.031e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

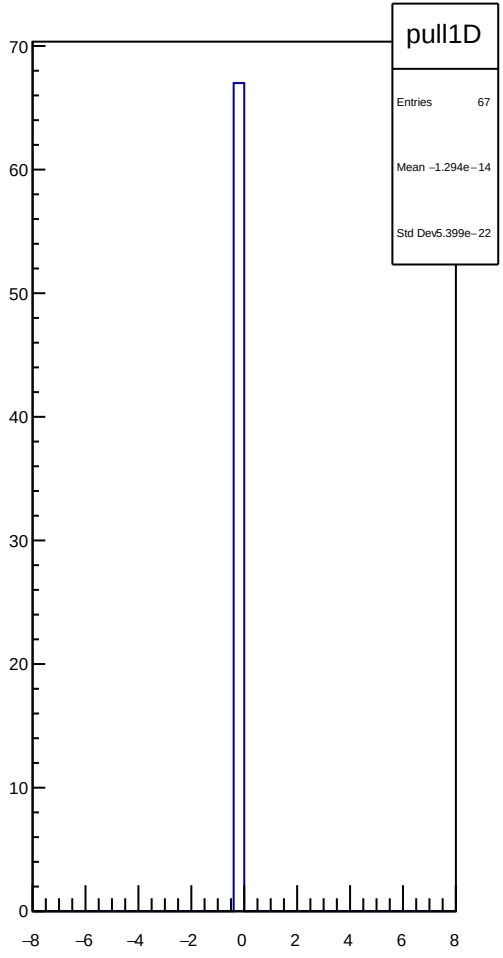

dit_atl2_4aY_slope vs run
χ² / ndf 1.065e−26 / 66
p0 7.116 ± 0.1635
pull
Entries 67
Mean 33.5
Std Dev 19.34

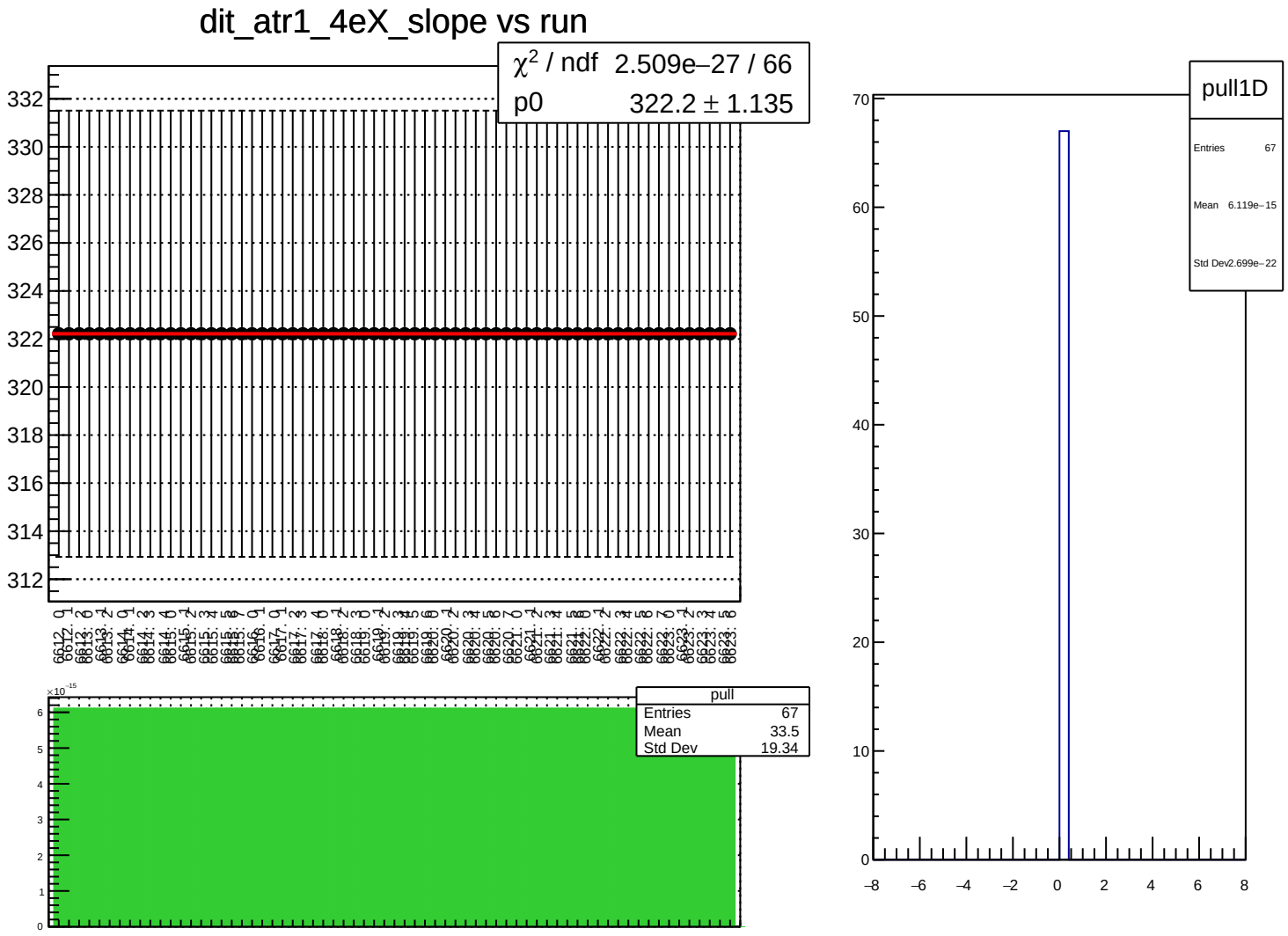

pull1D
Entries 67
Mean 1.261e−14
Std Dev 5.399e−22

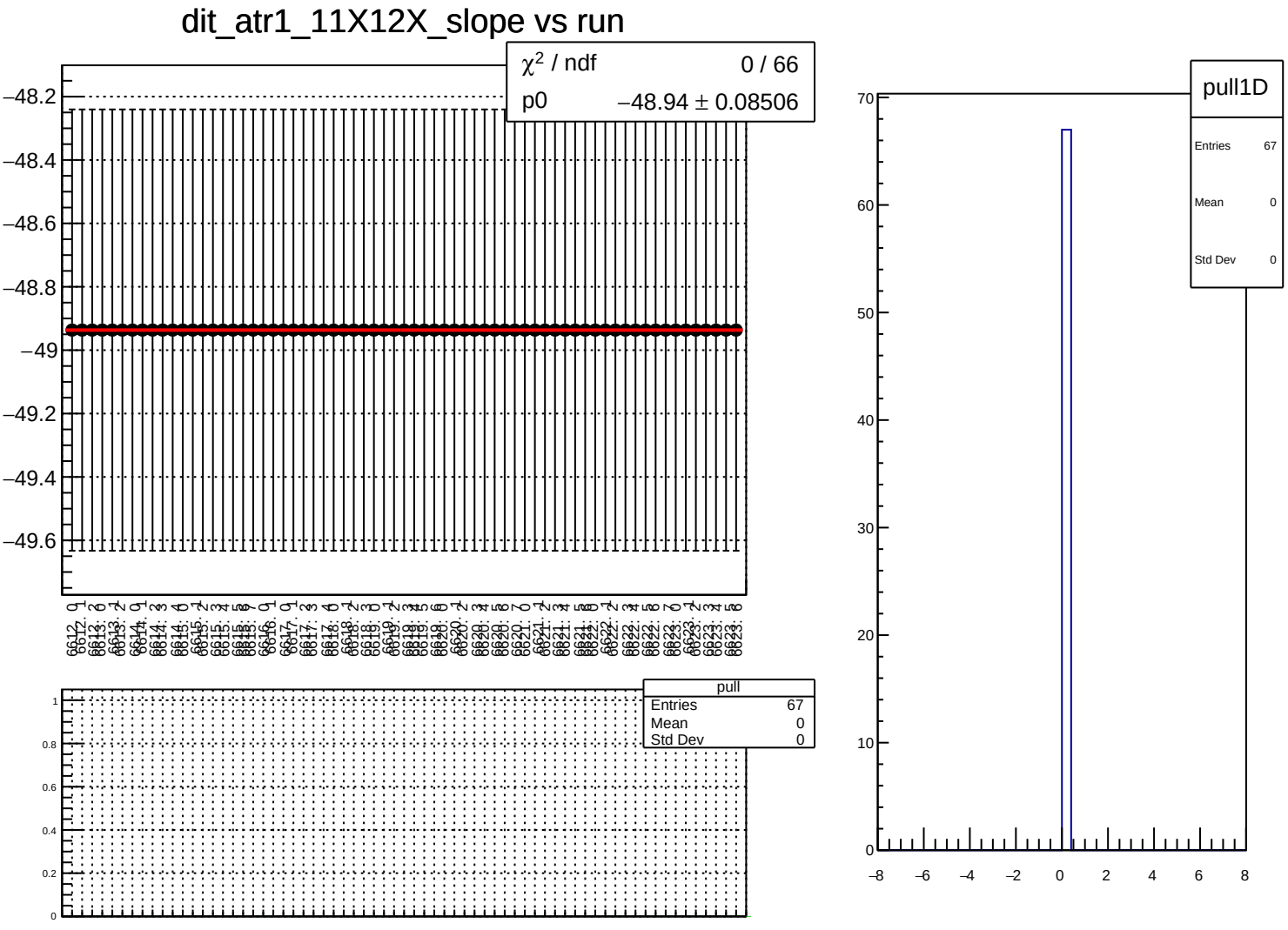

dit_atl2_4eY_slope vs run
χ^2 / ndf 5.747e−29 / 66
p0 0.9986 ± 0.2636
pull
Entries 67
Mean 33.5
Std Dev 19.34

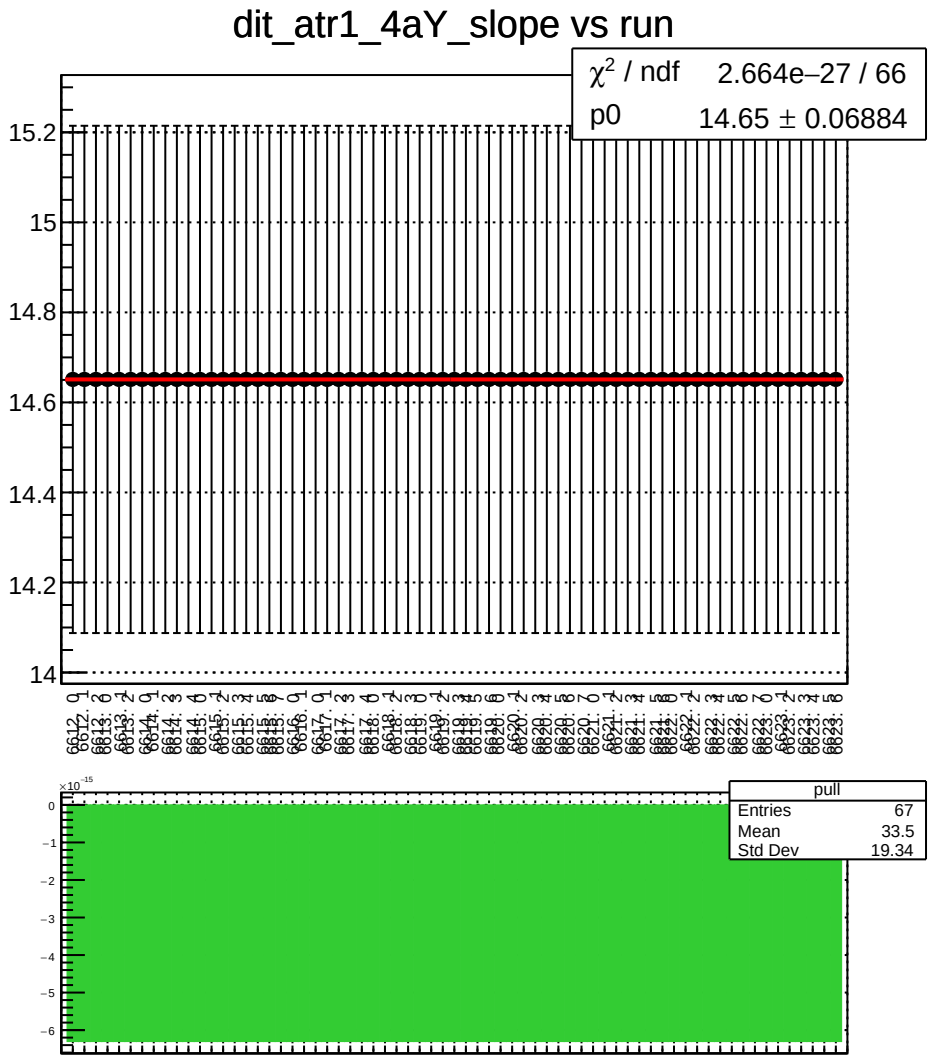

pull1D
Entries 67
Mean −9.262e−16
Std Dev 4.185e−23

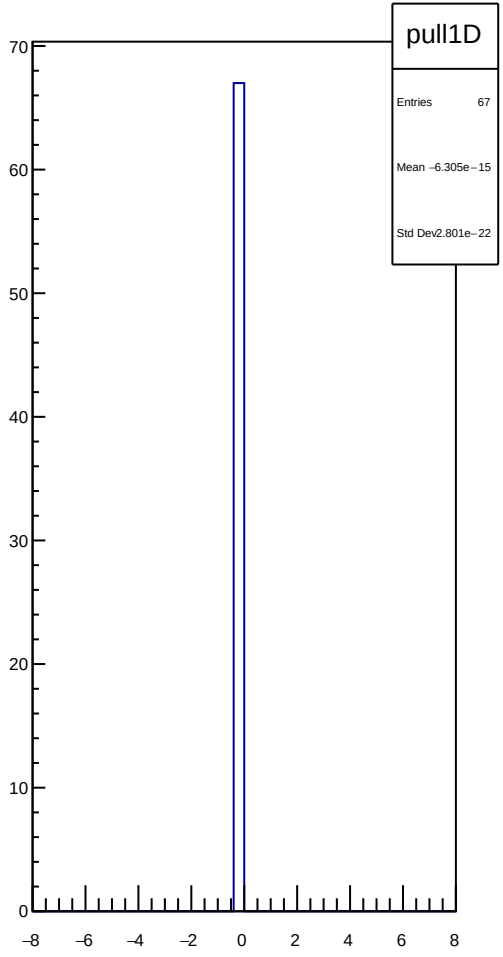

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.121e−26 / 66
p0 −344.3 ± 1.074
pull
Entries 67
Mean 33.5
Std Dev 19.34

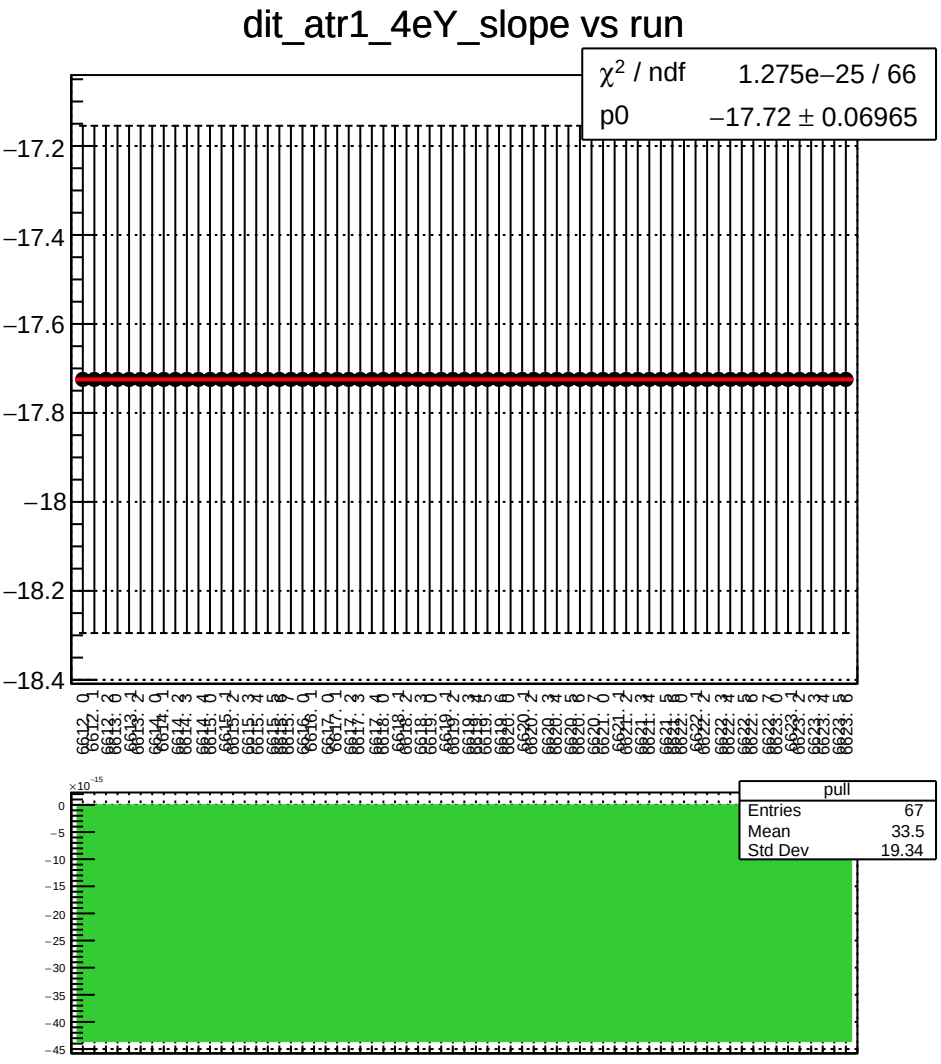

pull1D
Entries 67
Mean −1.294e−14
Std Dev 5.399e−22

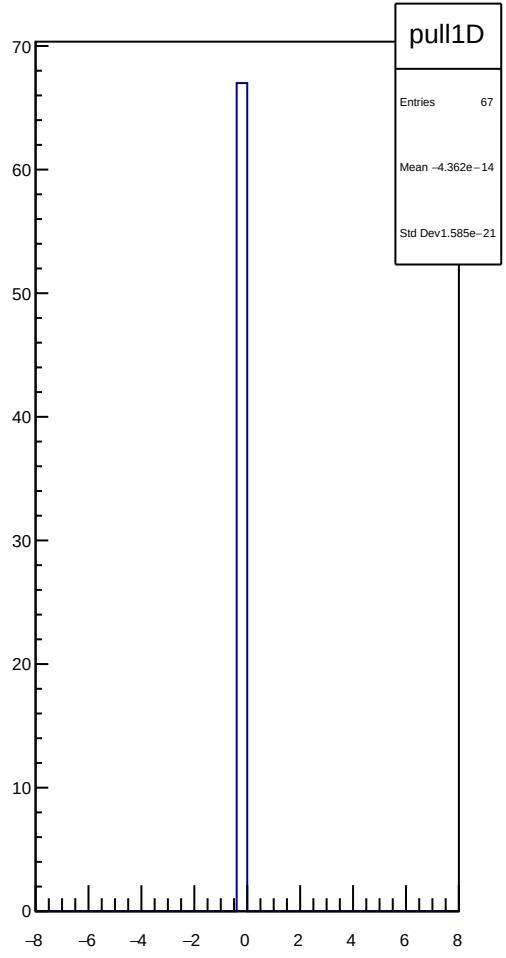

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.509e−27 / 66
p0 322.2 ± 1.135
pull
Entries 67
Mean 33.5
Std Dev 19.34
pull1D
Entries 67
Mean 6.119e−15
Std Dev 2.699e−22

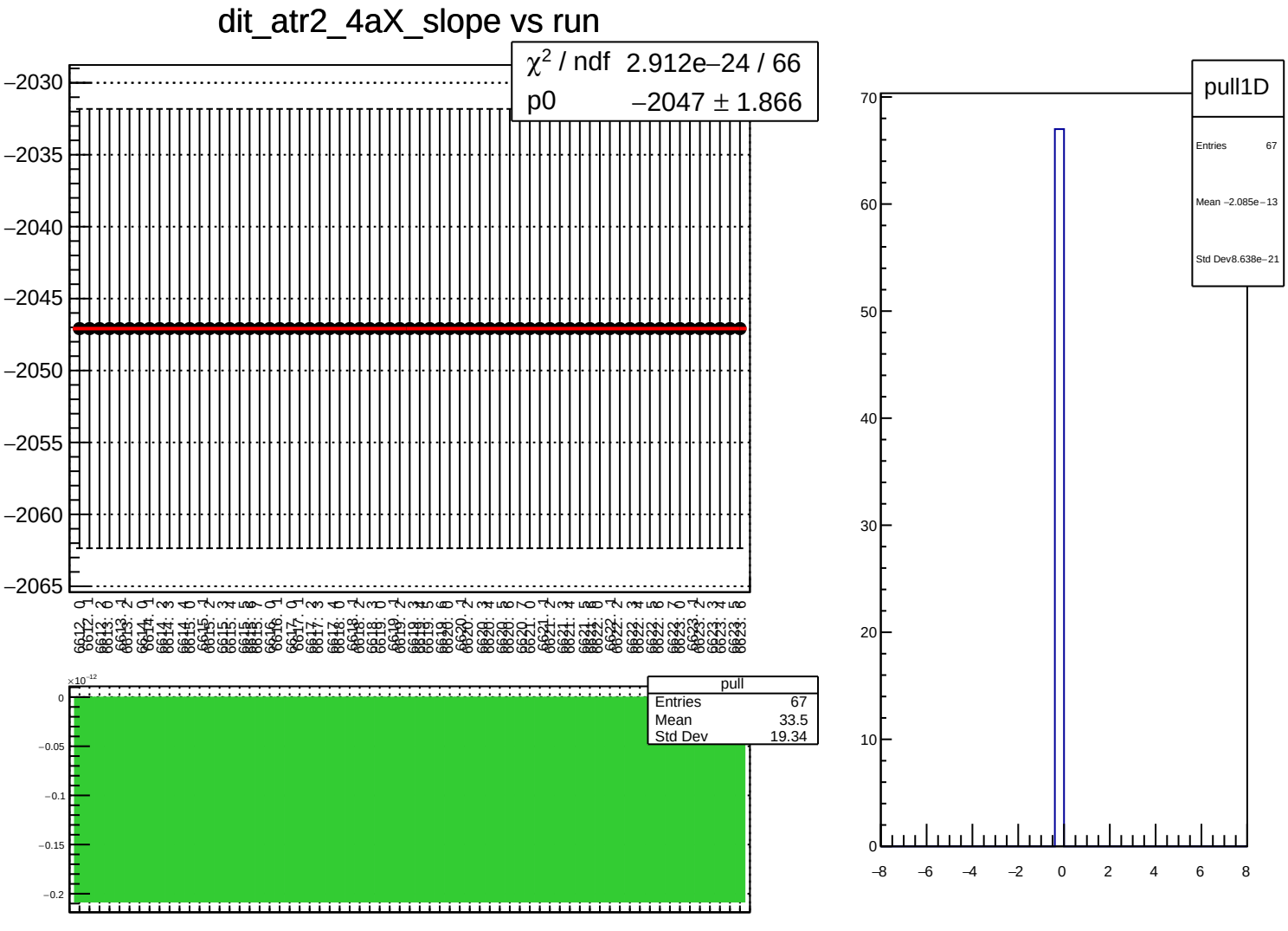

dit_atr1_11X12X_slope vs run
χ^2 / ndf 0 / 66
p0 −48.94 ± 0.08506
−48.2
−48.4
−48.6
−48.8
−49
−49.2
−49.4
−49.6
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

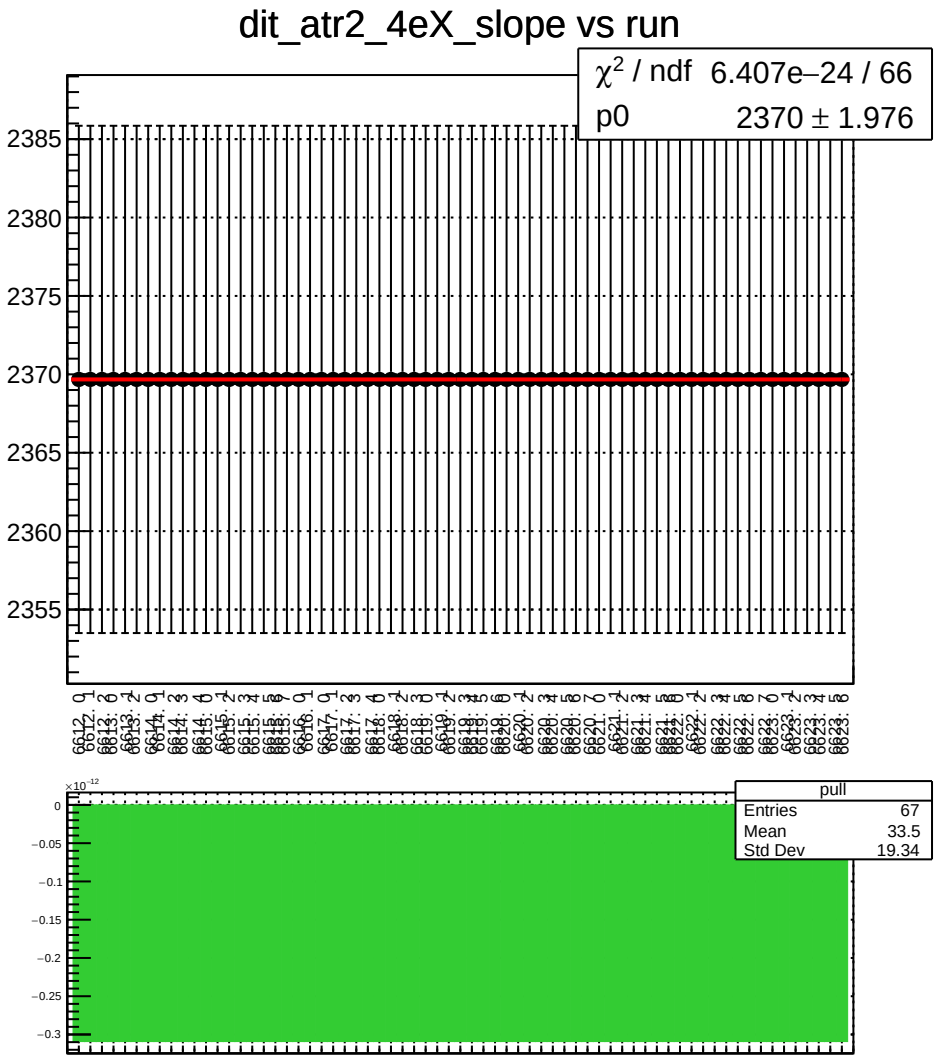

dit_atr1_4aY_slope vs run
χ² / ndf 2.664e−27 / 66
p0 14.65 ± 0.06884
15.2
15
14.8
14.6
14.4
14.2
14
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

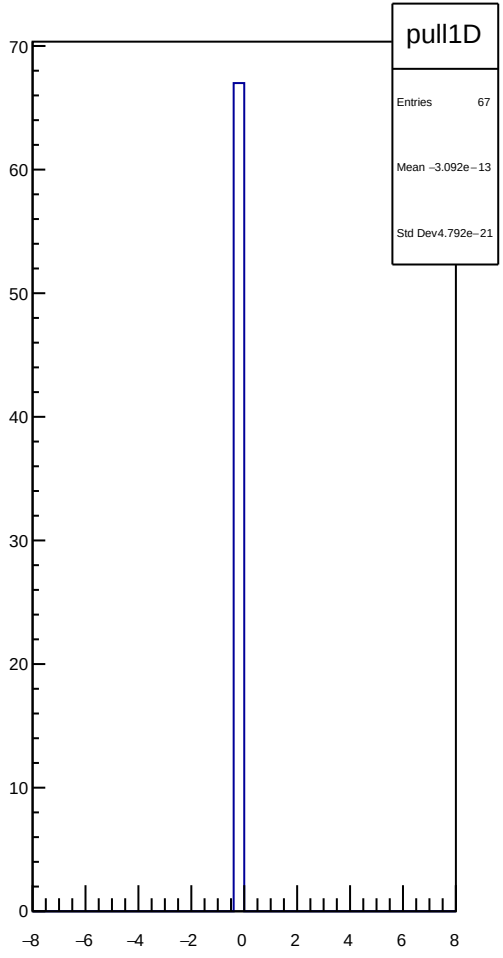

pull1D
Entries 67
Mean −6.305e−15
Std Dev 2.801e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

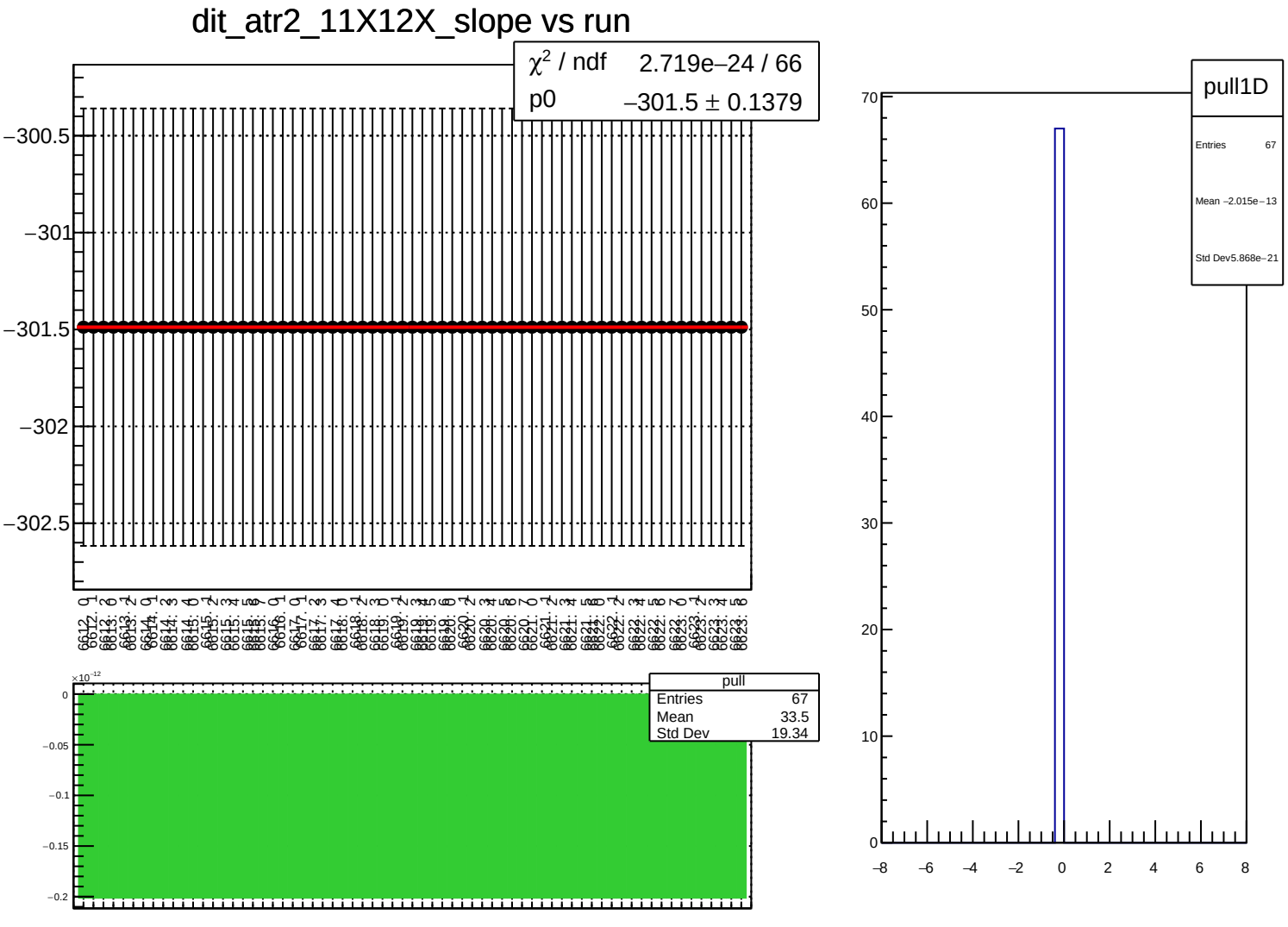

dit_atr1_4eY_slope vs run
χ² / ndf 1.275e−25 / 66
p0 −17.72 ± 0.06965
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

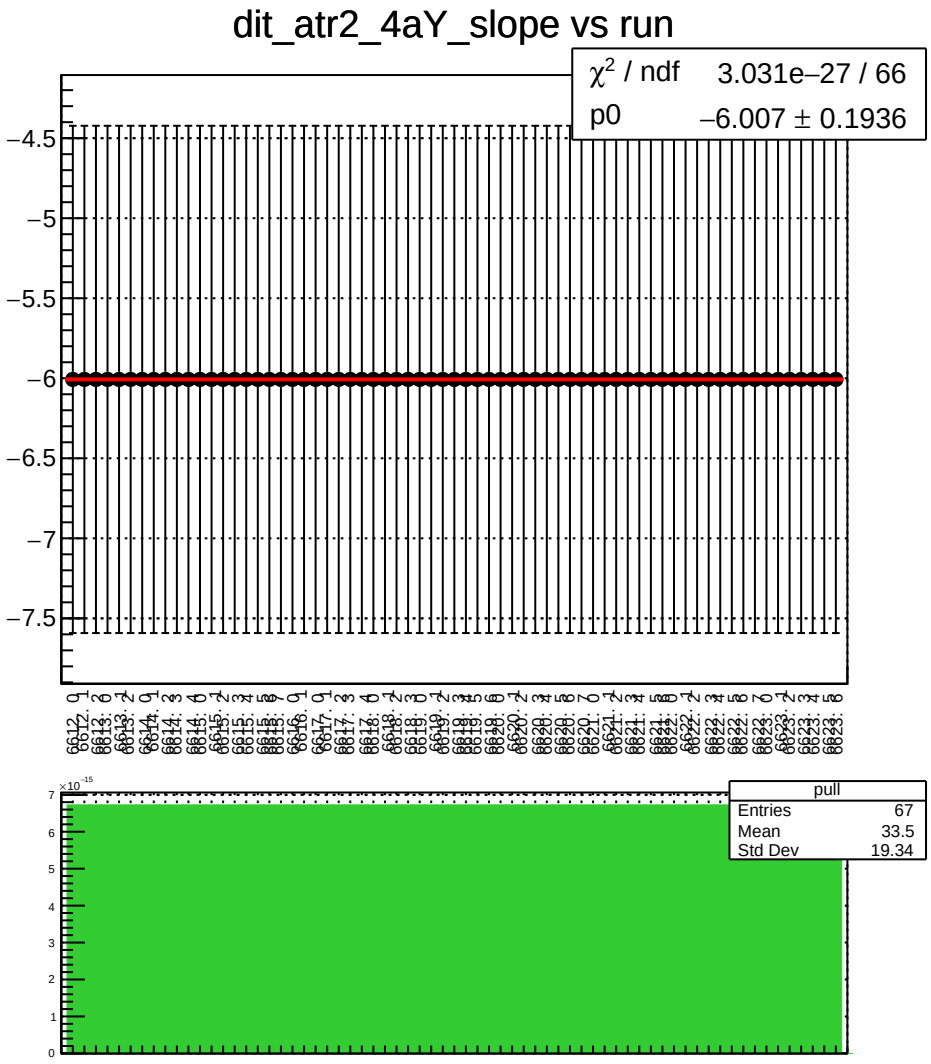

pull1D
Entries 67
Mean −4.362e−14
Std Dev 1.585e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

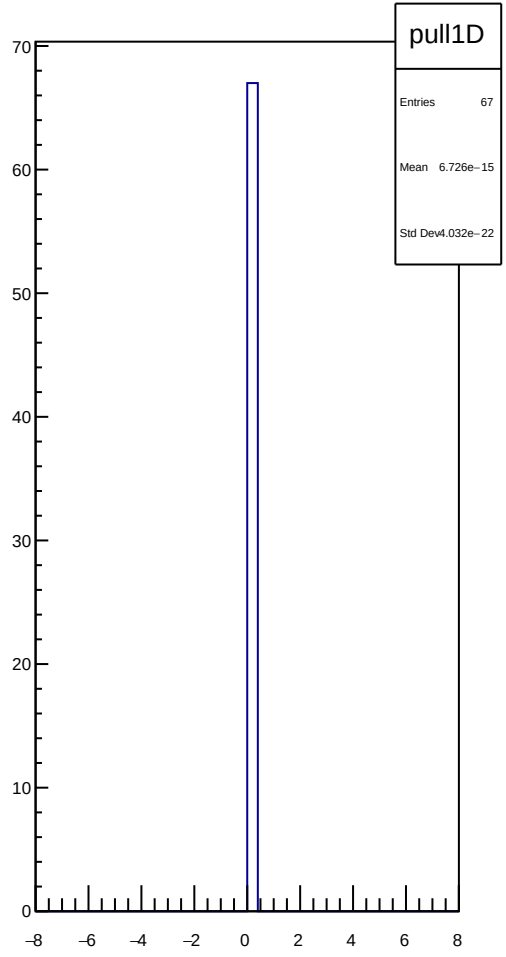

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.912e−24 / 66
p0 −2047 ± 1.866
−2030
−2035
−2040
−2045
−2050
−2055
−2060
−2065
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 67
Mean −2.085e−13
Std Dev 8.638e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

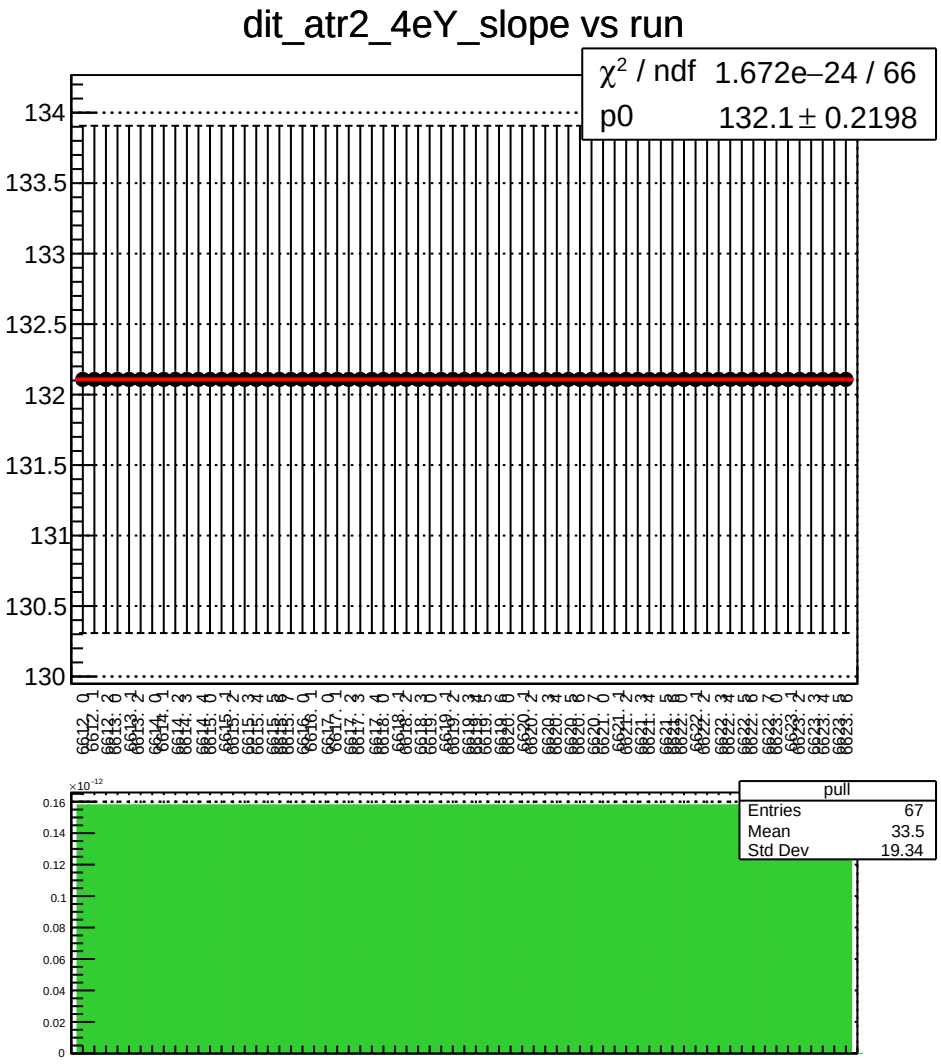

dit_atr2_4eX_slope vs run
χ^2 / ndf 6.407e−24 / 66
p0 2370 ± 1.976
2385
2380
2375
2370
2365
2360
2355
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

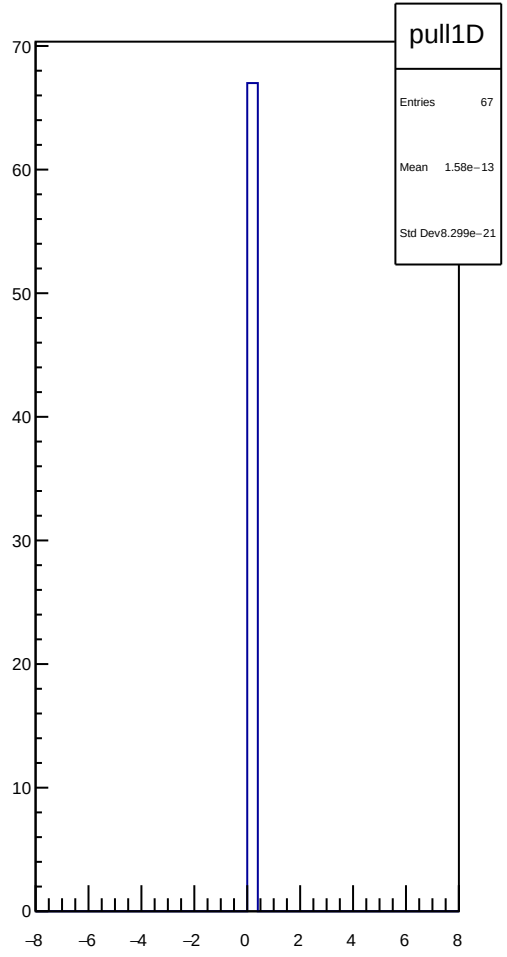

pull1D
Entries 67
Mean −3.092e−13
Std Dev4.792e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_11X12X_slope vs run
χ^2 / ndf 2.719e−24 / 66
p0 −301.5 ± 0.1379
−300.5
−301
−301.5
−302
−302.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 67
Mean −2.015e−13
Std Dev 5.868e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

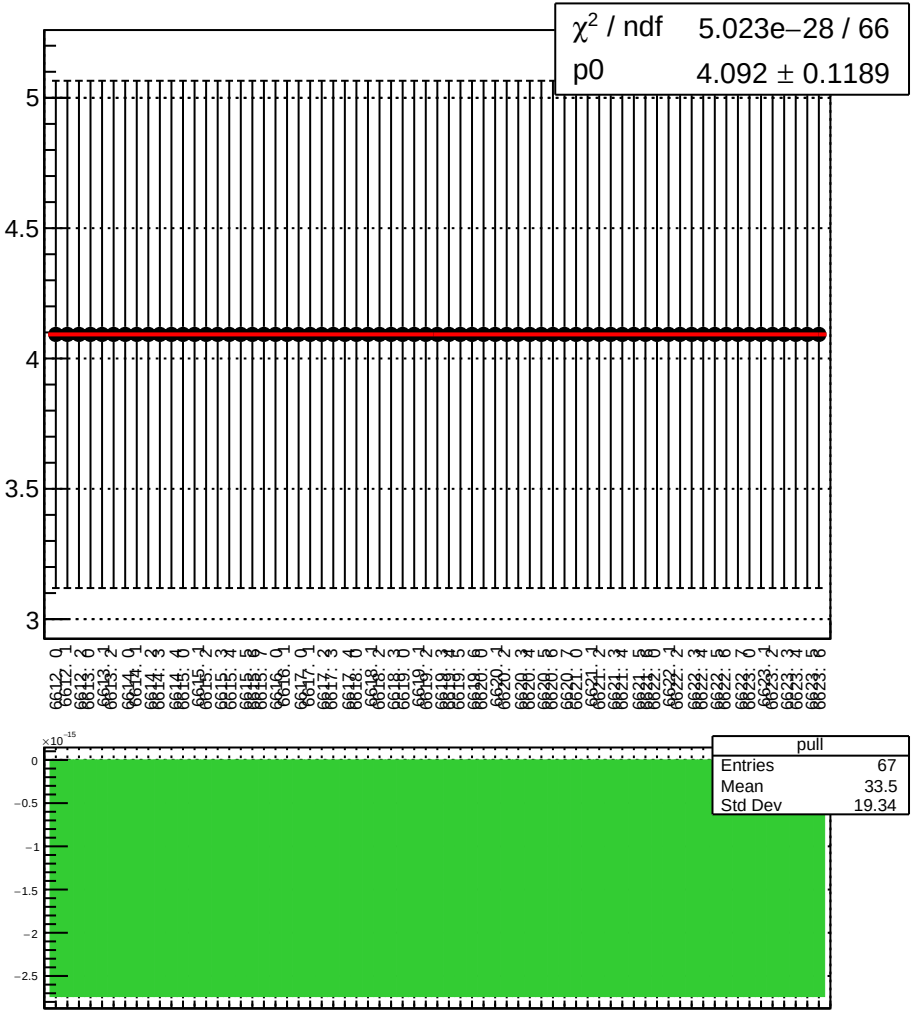

dit_atr2_4aY_slope vs run
χ^2 / ndf 3.031e−27 / 66
p0 −6.007 ± 0.1936
−4.5
−5
−5.5
−6
−6.5
−7
−7.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
7
6
5
4
3
2
1
0

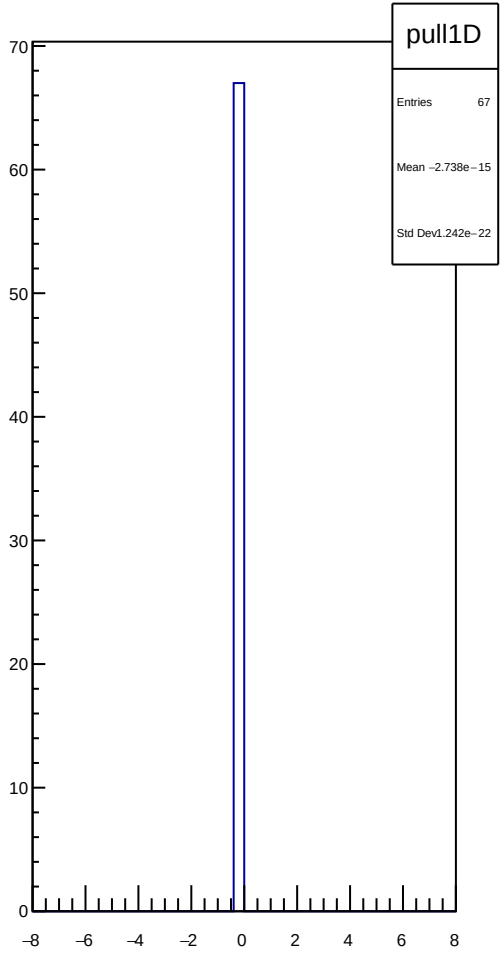

pull1D
Entries 67
Mean 6.726e−15
Std Dev 4.032e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_4eY_slope vs run
χ^2 / ndf 1.672e−24 / 66
p0 132.1 ± 0.2198
134
133.5
133
132.5
132
131.5
131
130.5
130
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

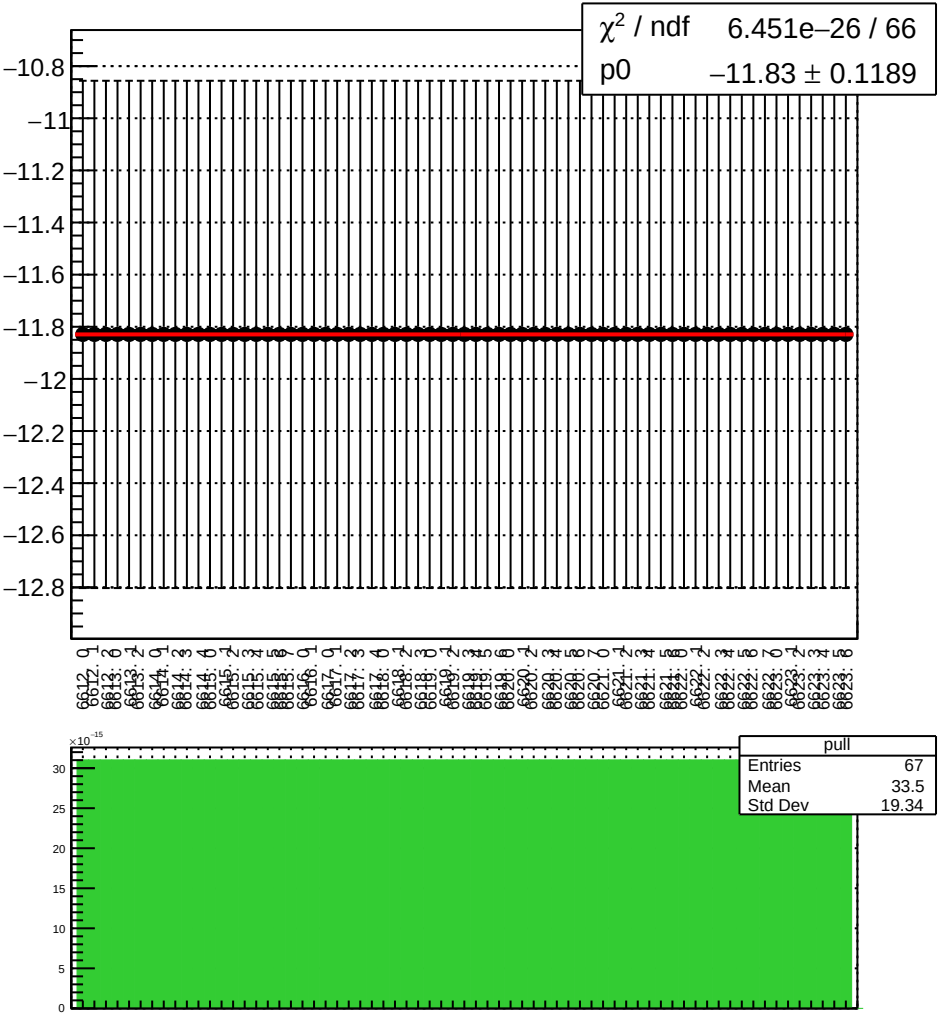

pull1D
Entries 67
Mean 1.58e−13
Std Dev 8.299e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

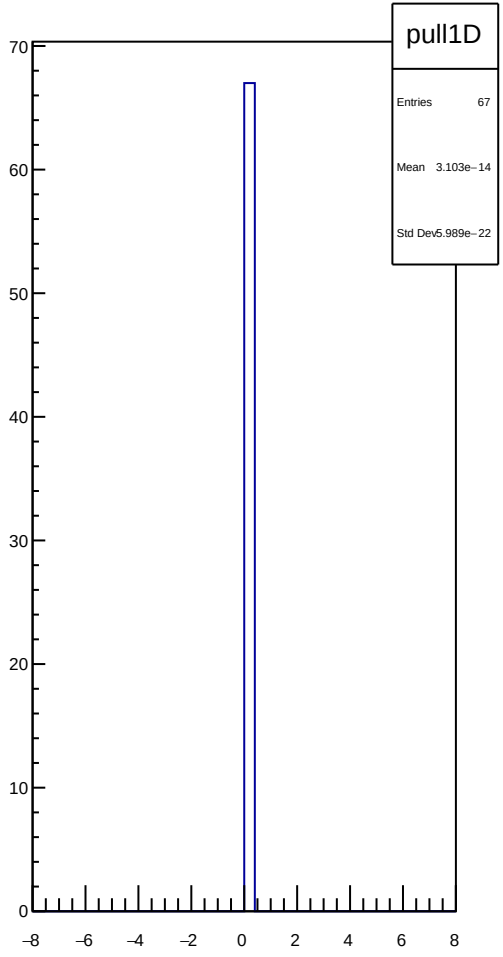
dit_sam1_4aX_slope vs run



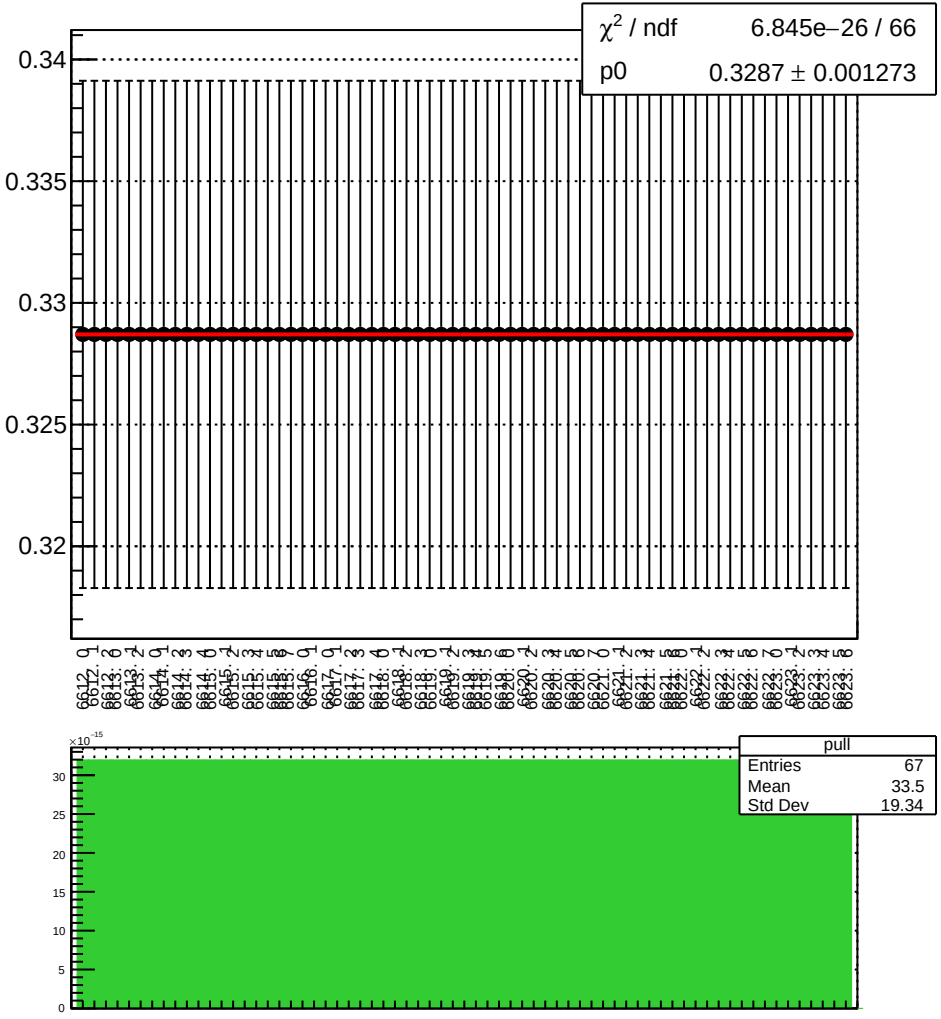


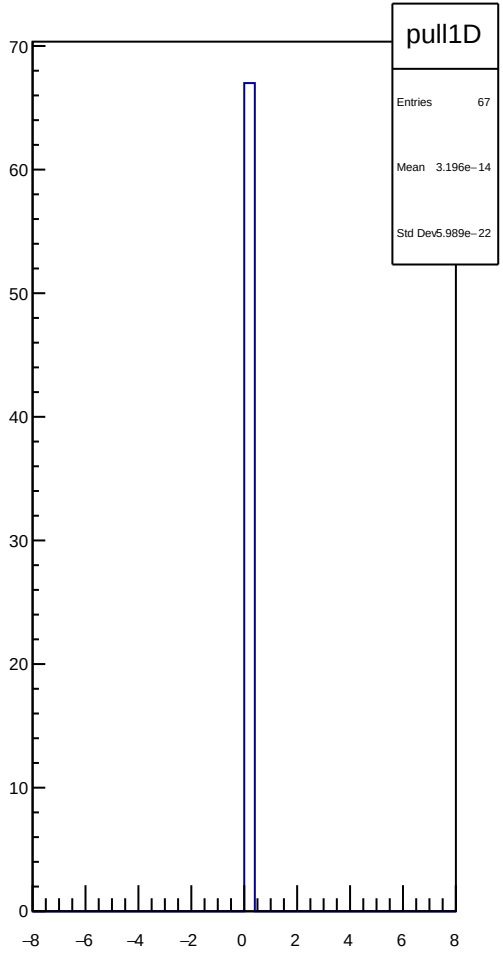
dit_sam1_4eX_slope vs run

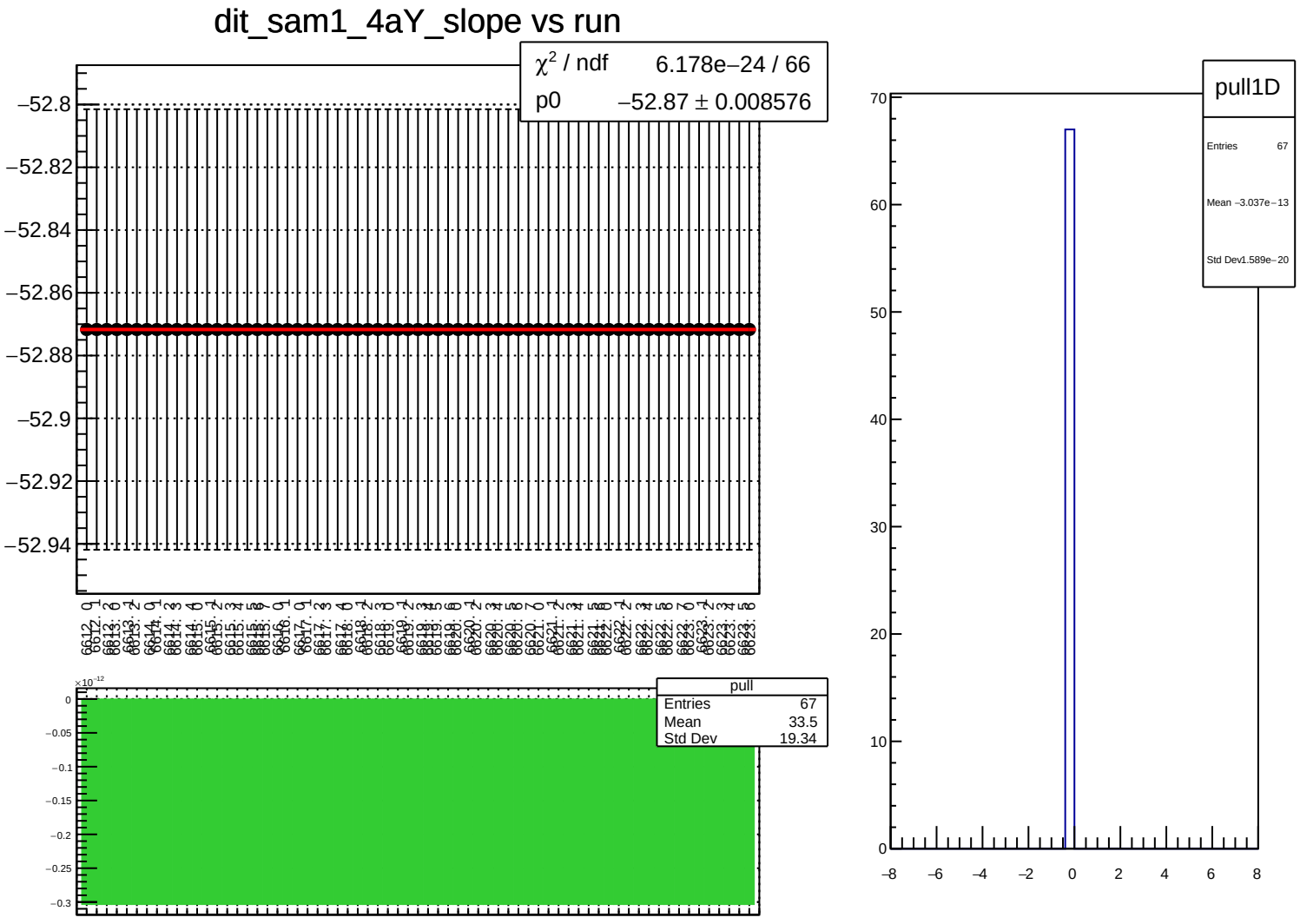




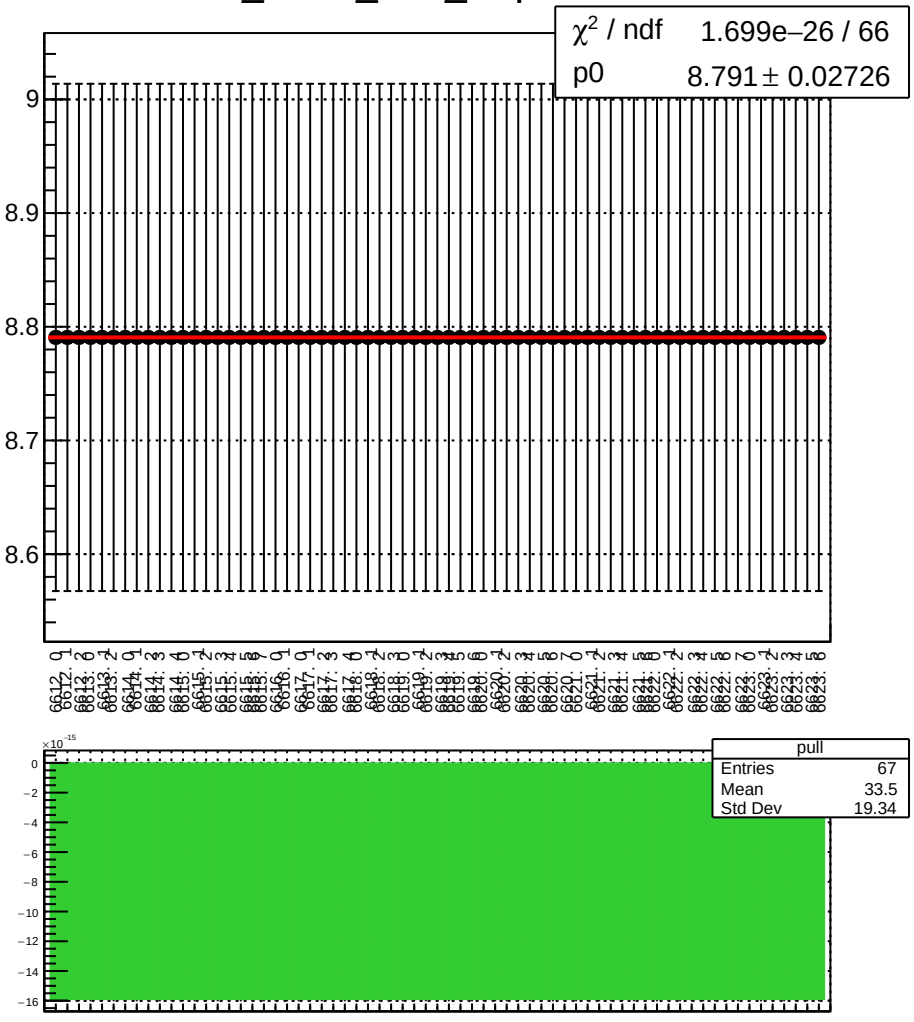
dit_sam1_11X12X_slope vs run

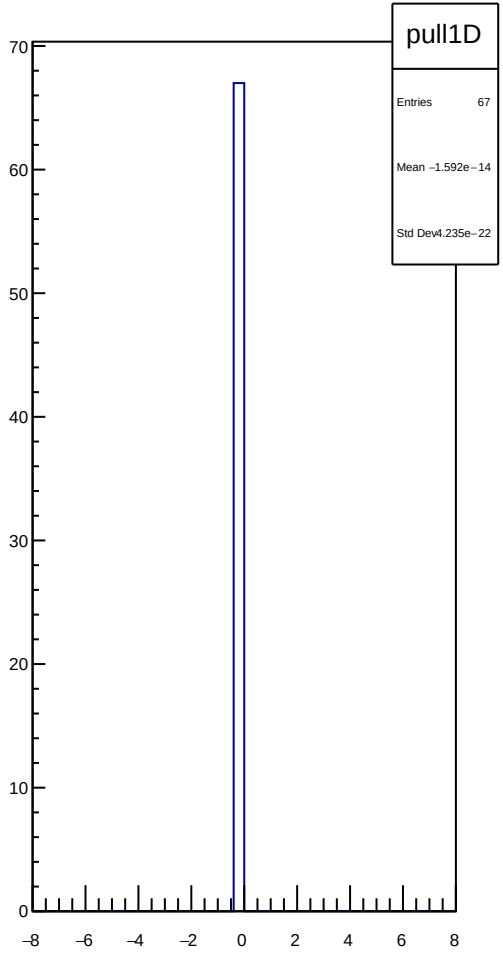




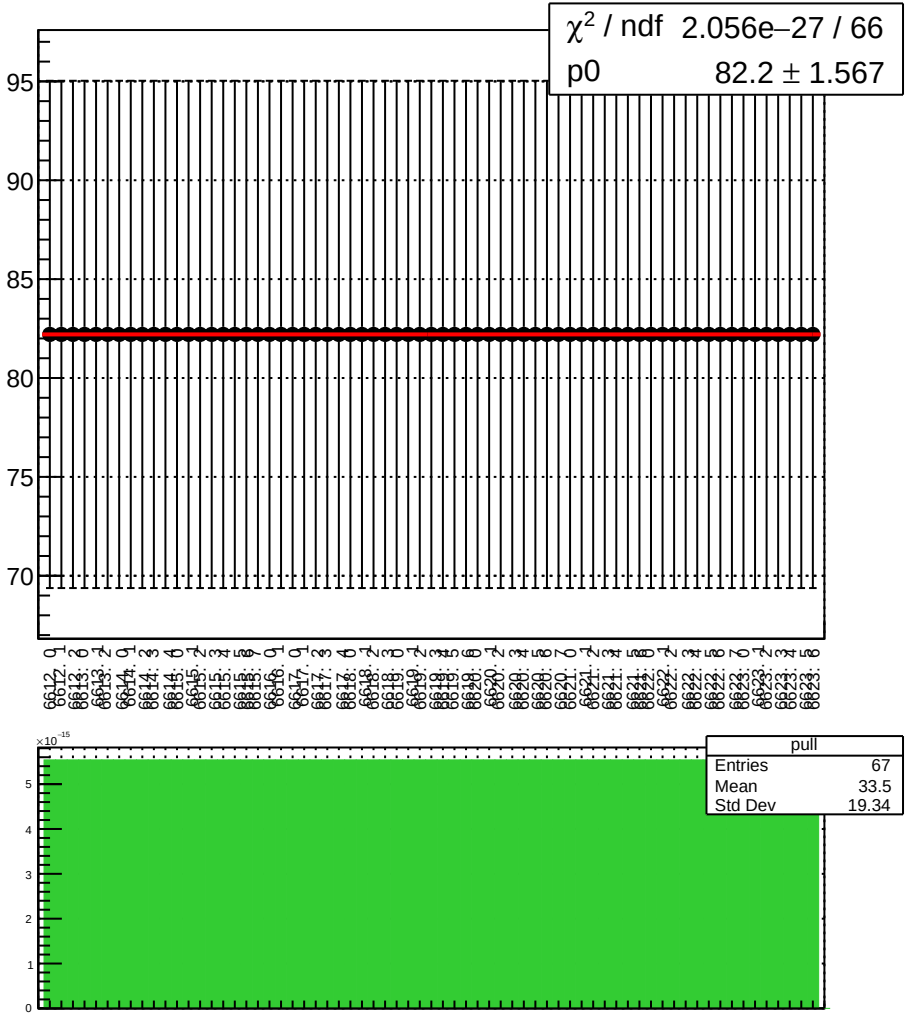

dit_sam1_4aY_slope vs run
χ² / ndf 6.178e−24 / 66
p0 −52.87 ± 0.008576
−52.8
−52.82
−52.84
−52.86
−52.88
−52.9
−52.92
−52.94
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 67
Mean −3.037e−13
Std Dev 1.589e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

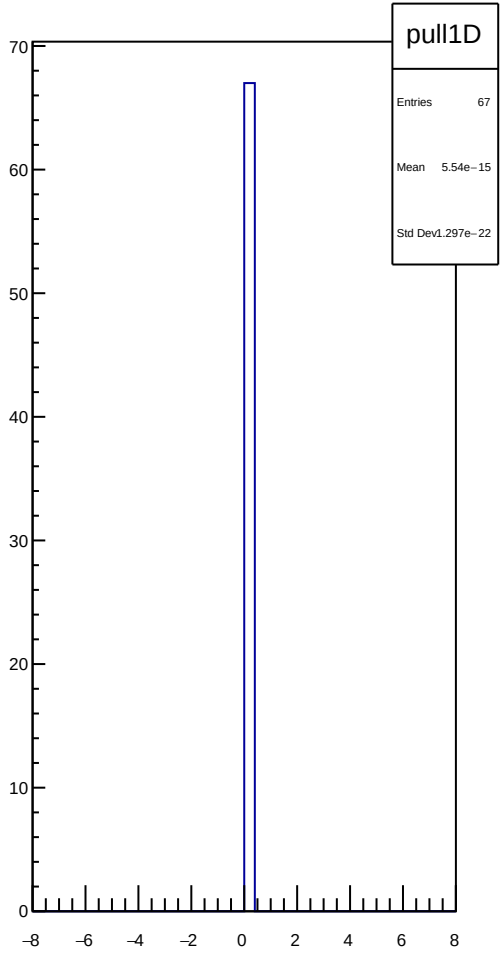
dit_sam1_4eY_slope vs run



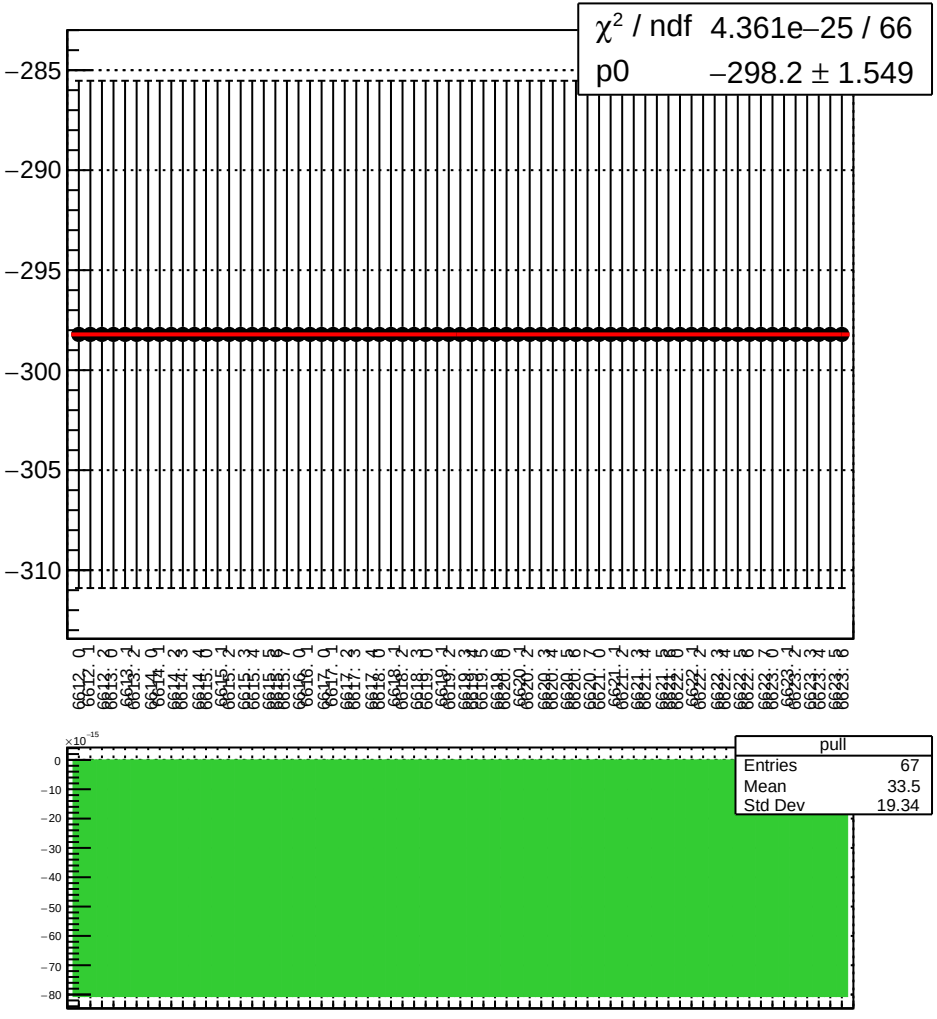


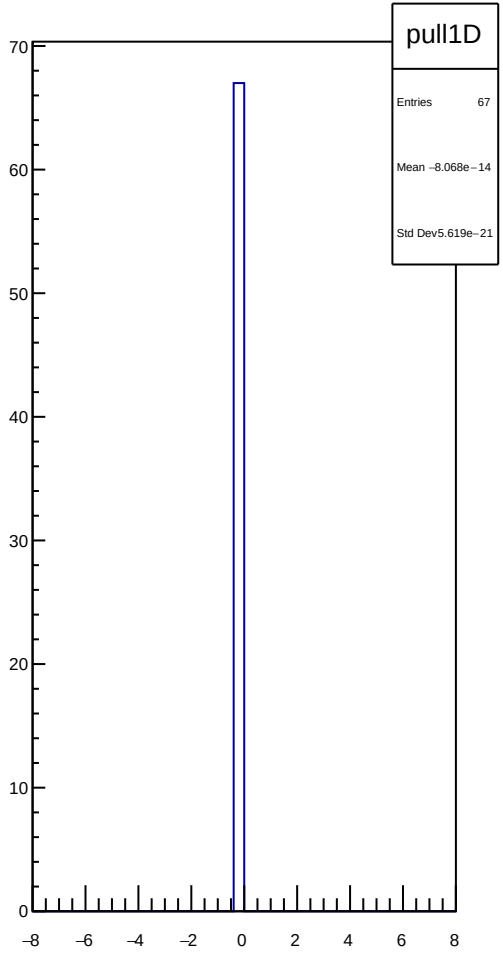
dit_sam2_4aX_slope vs run

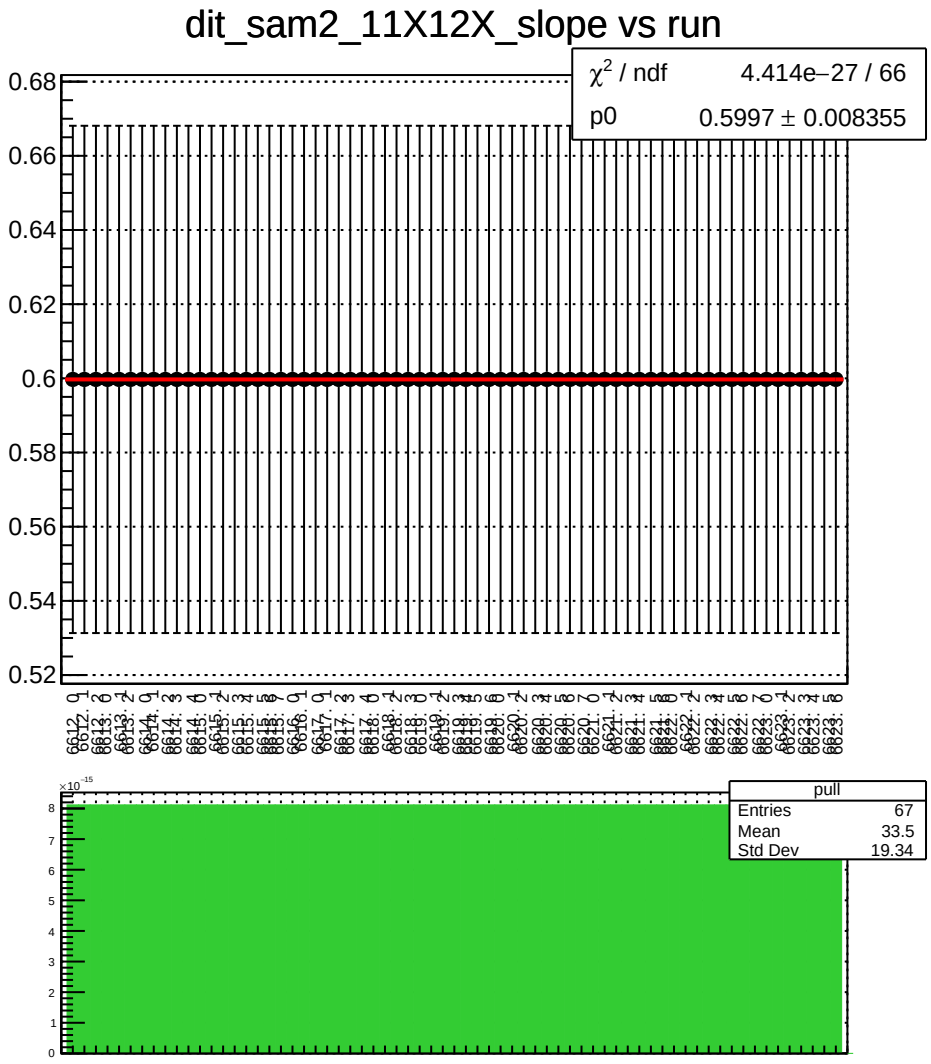


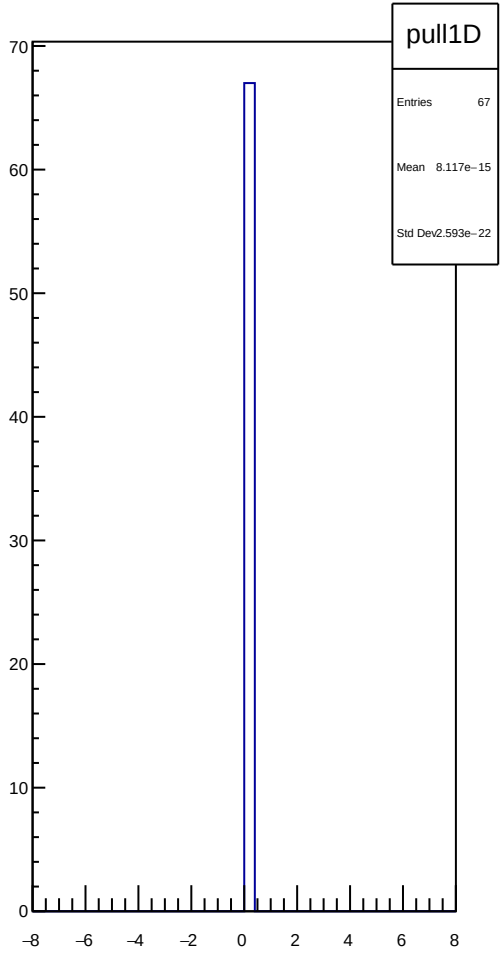


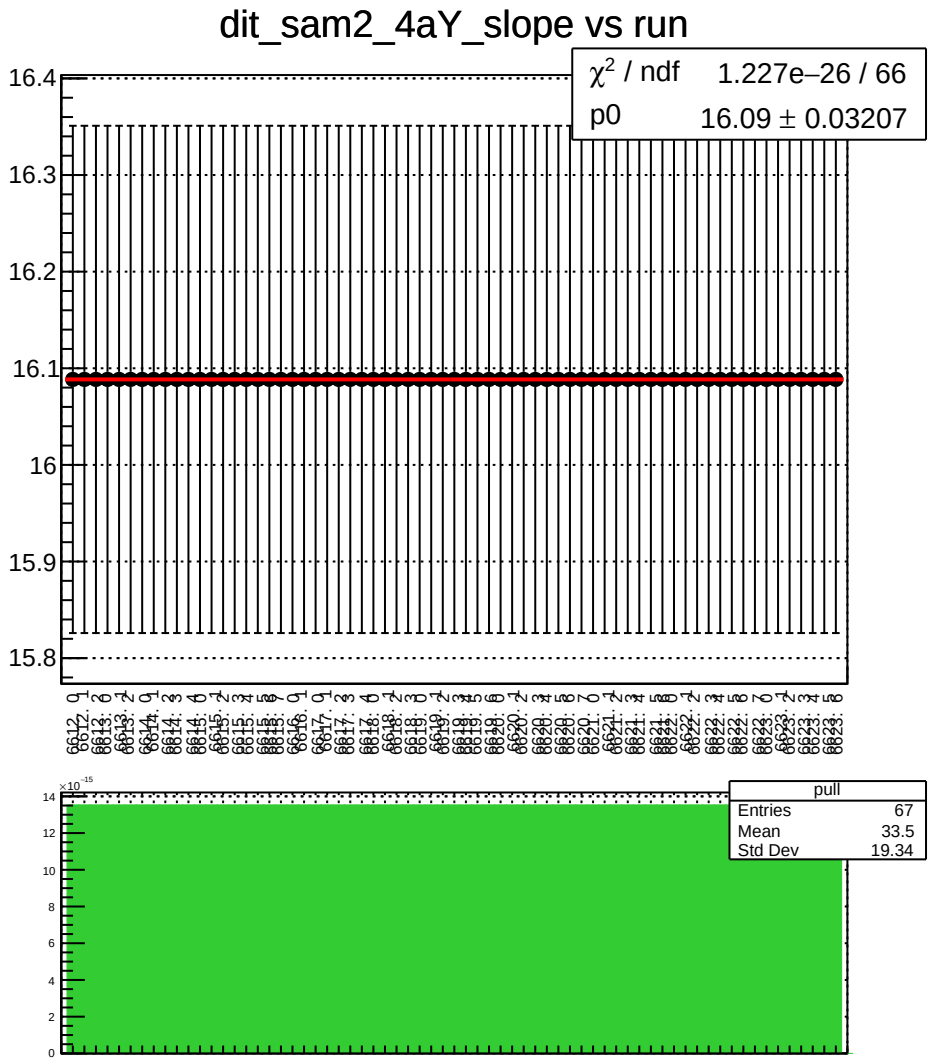
dit_sam2_4eX_slope vs run

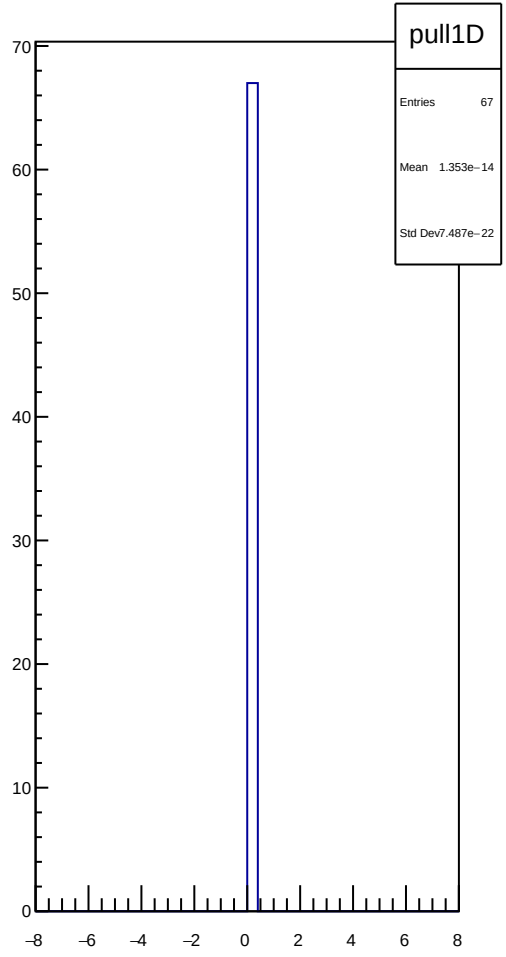




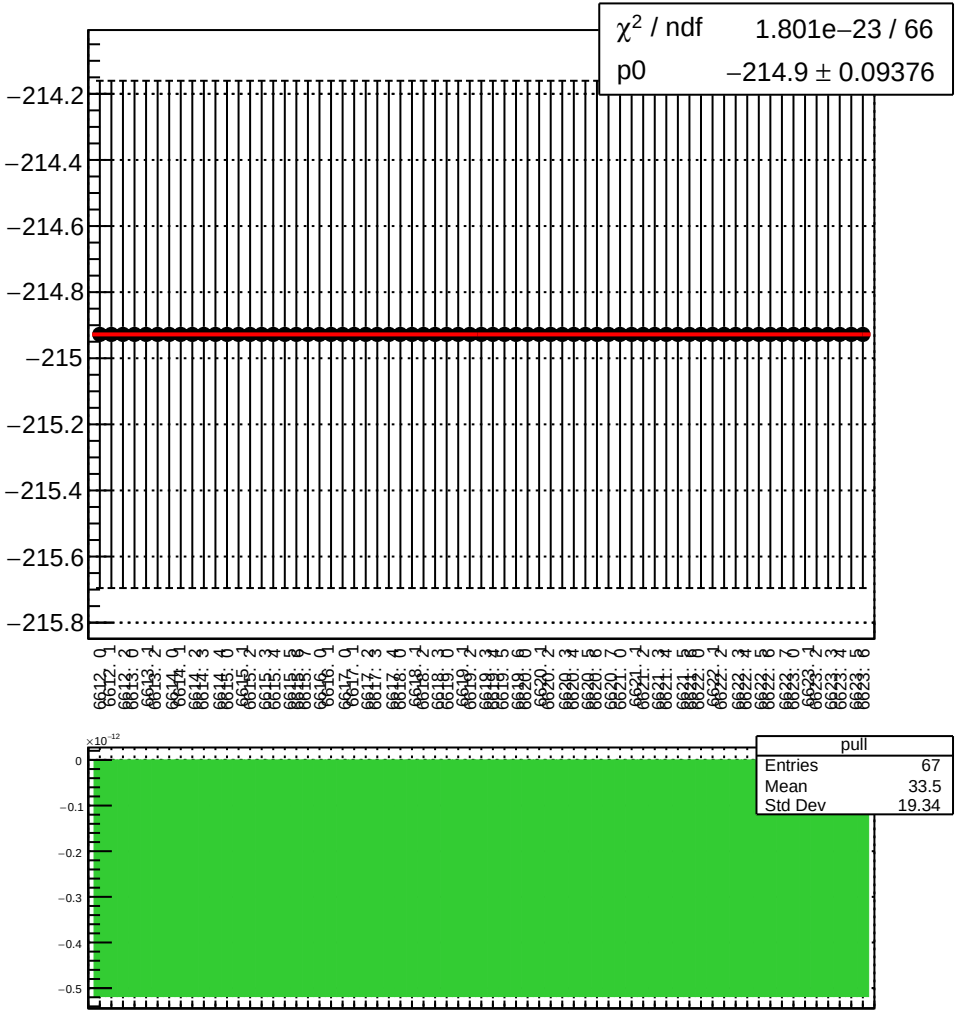

dit_sam2_11X12X_slope vs run
χ^2 / ndf 4.414e−27 / 66
p0 0.5997 ± 0.008355
pull
Entries 67
Mean 33.5
Std Dev 19.34

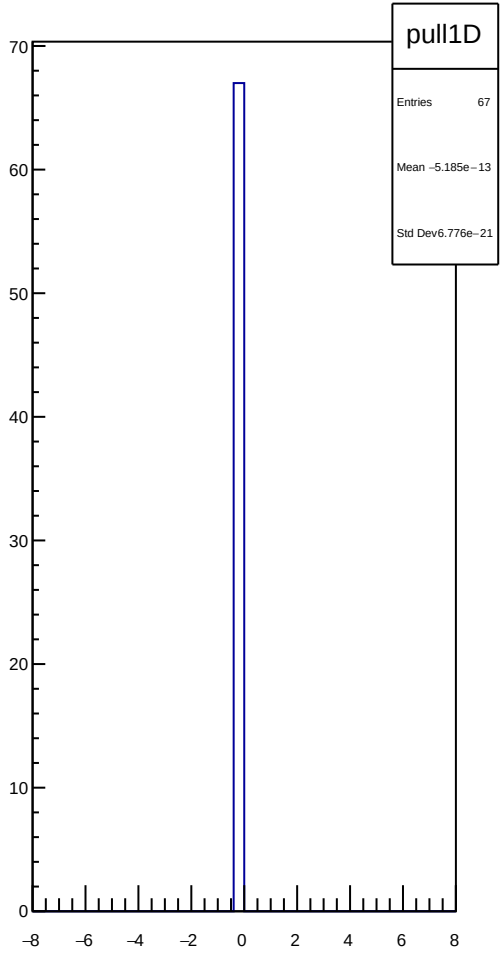

pull1D
Entries 67
Mean 8.117e−15
Std Dev 2.593e−22


dit_sam2_4aY_slope vs run
χ^2 / ndf 1.227e−26 / 66
p0 16.09 ± 0.03207
16.4
16.3
16.2
16.1
16
15.9
15.8
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
14
12
10
8
6
4
2
0

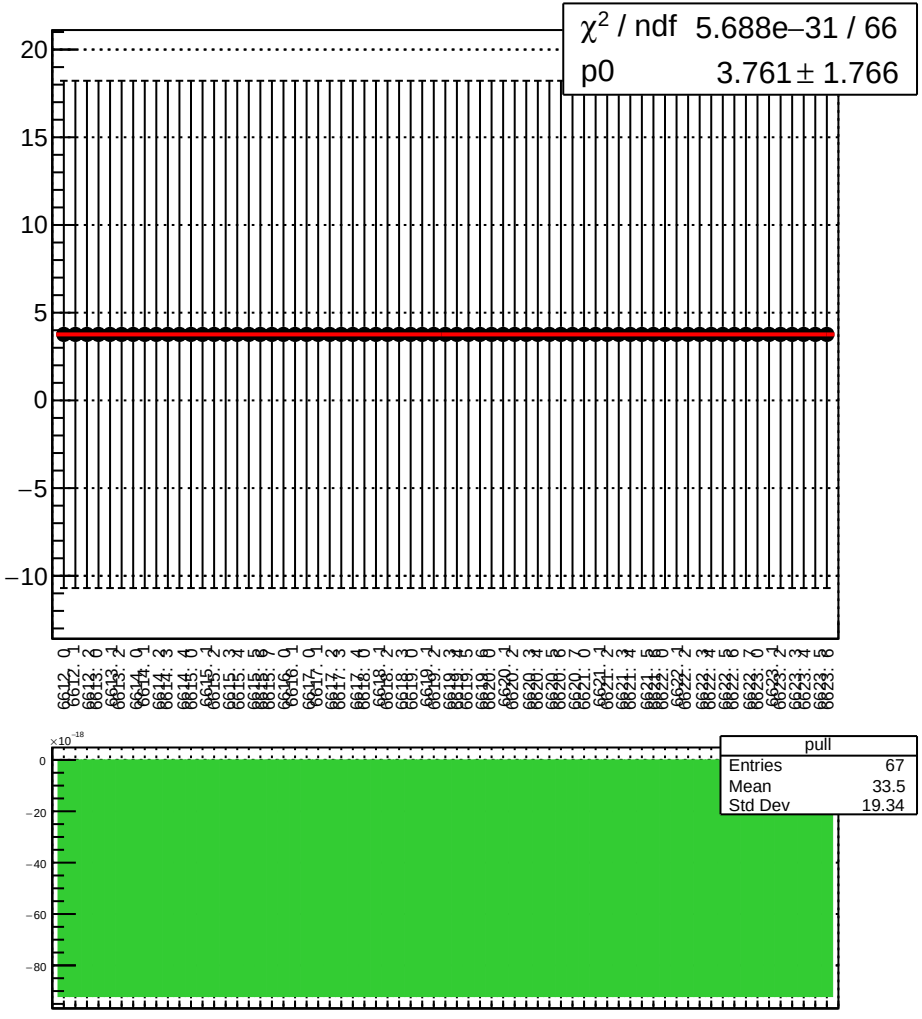

pull1D
Entries 67
Mean 1.353e−14
Std Dev 7.487e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

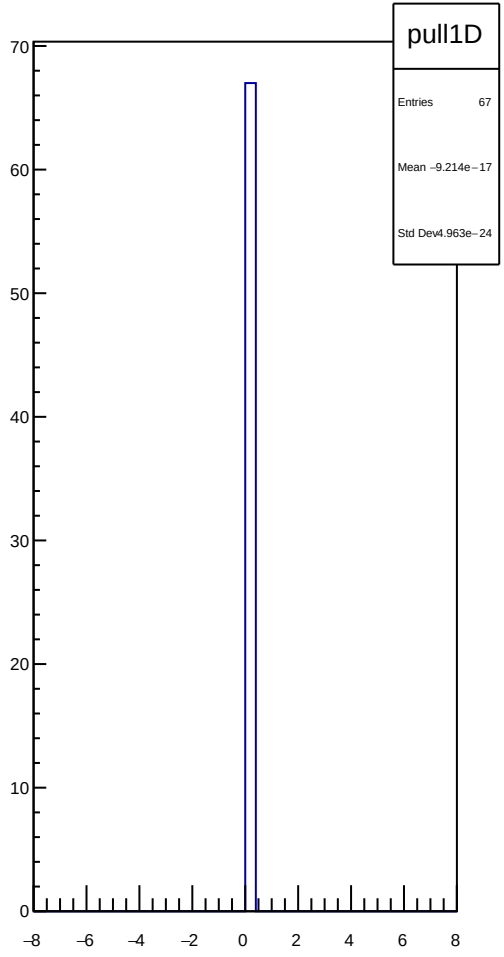
dit_sam2_4eY_slope vs run

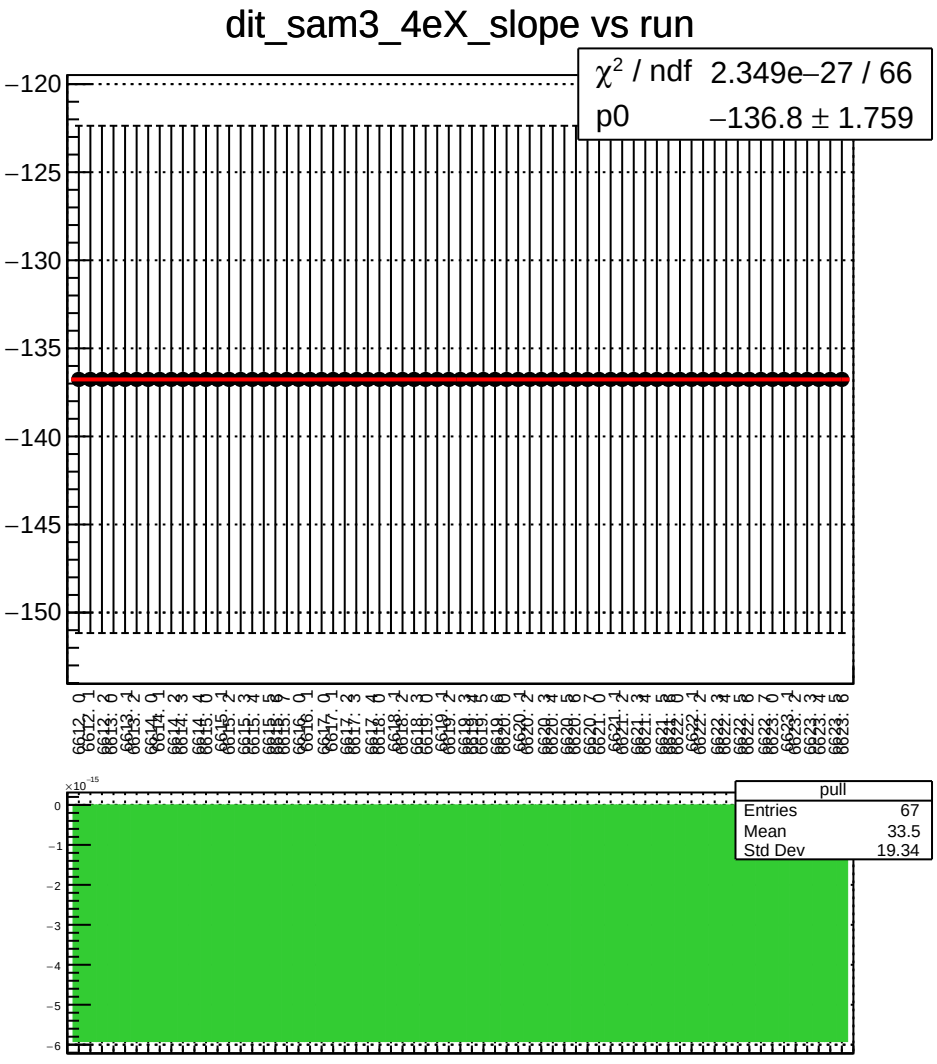


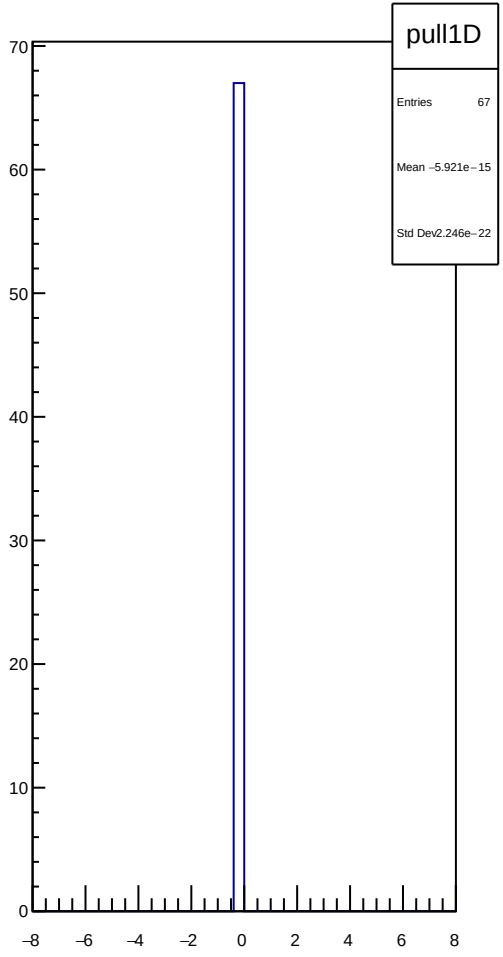


dit_sam3_4aX_slope vs run

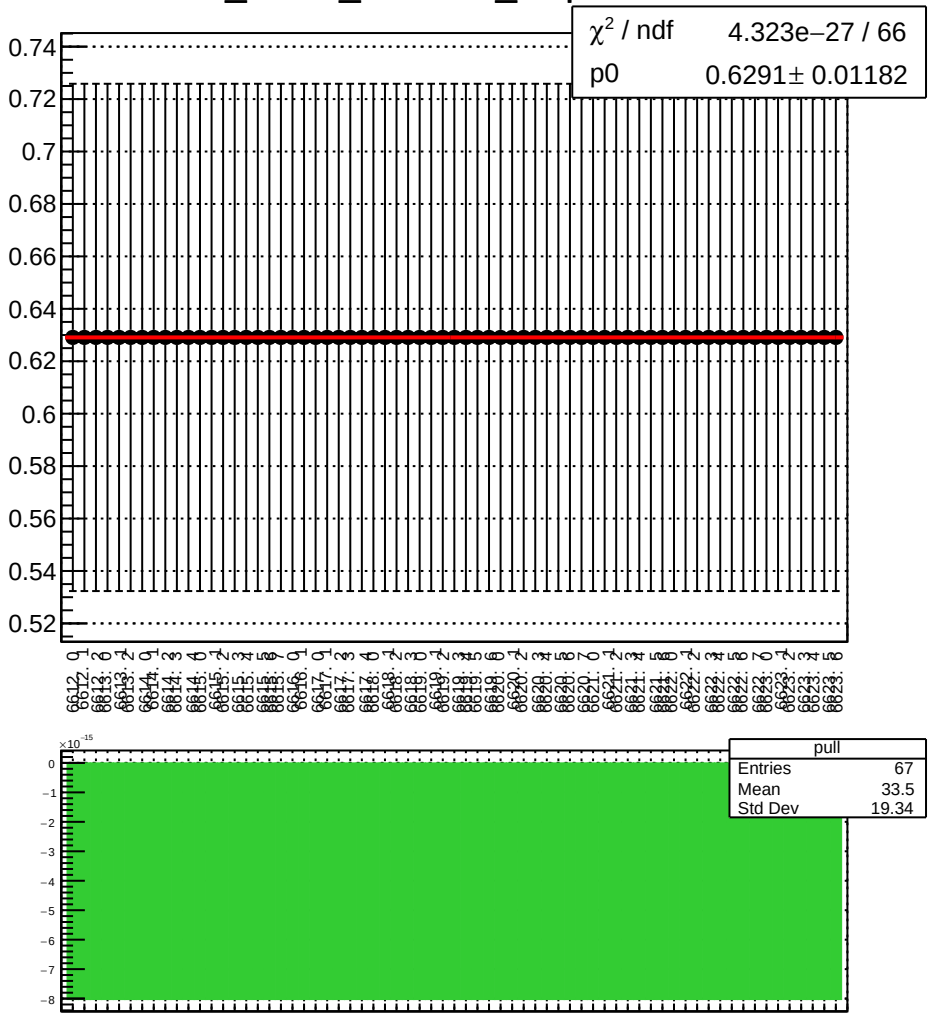


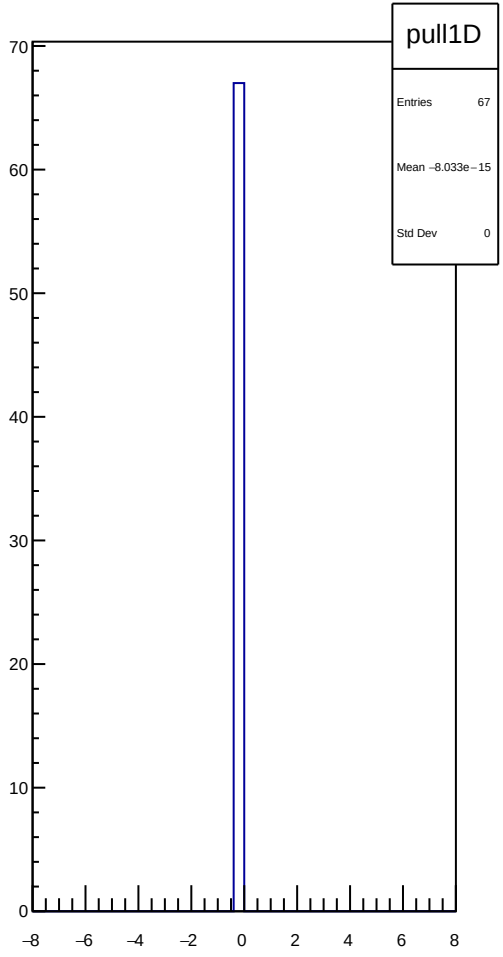


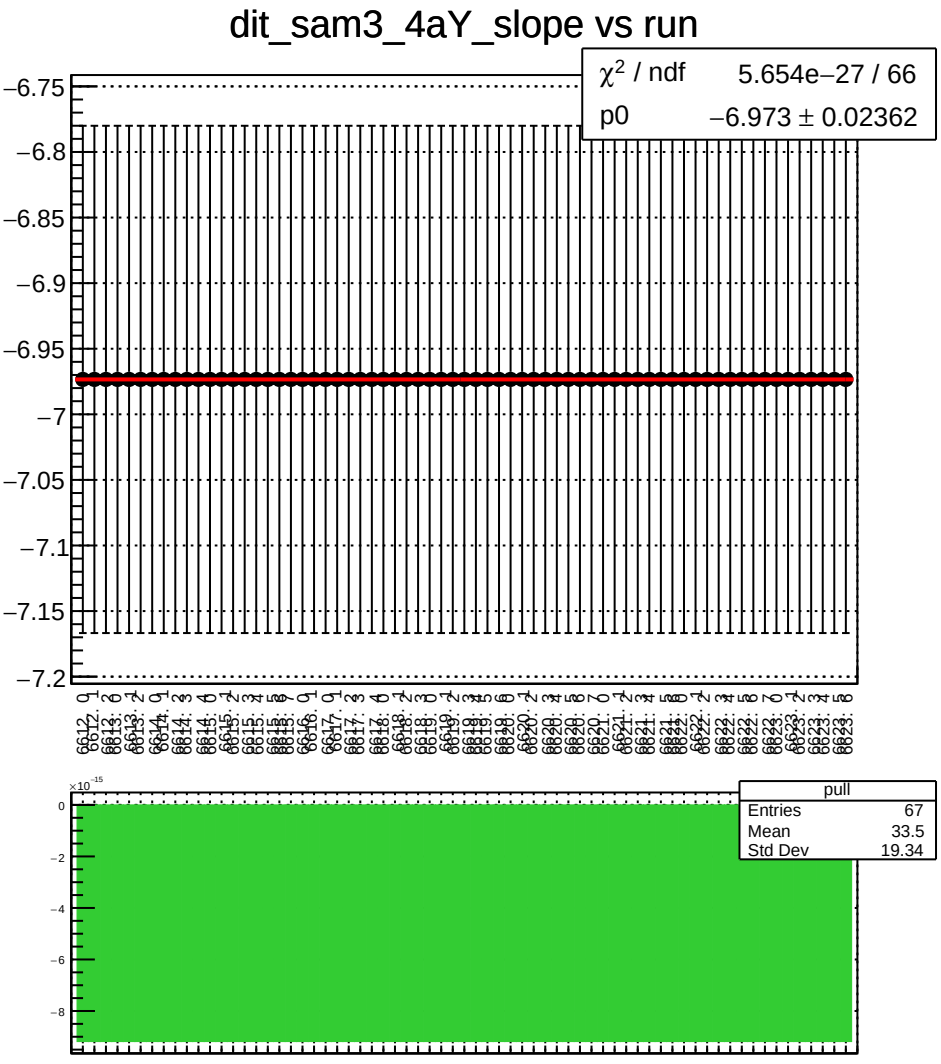

dit_sam3_4eX_slope vs run
χ² / ndf 2.349e−27 / 66
p0 −136.8 ± 1.759
−120
−125
−130
−135
−140
−145
−150
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

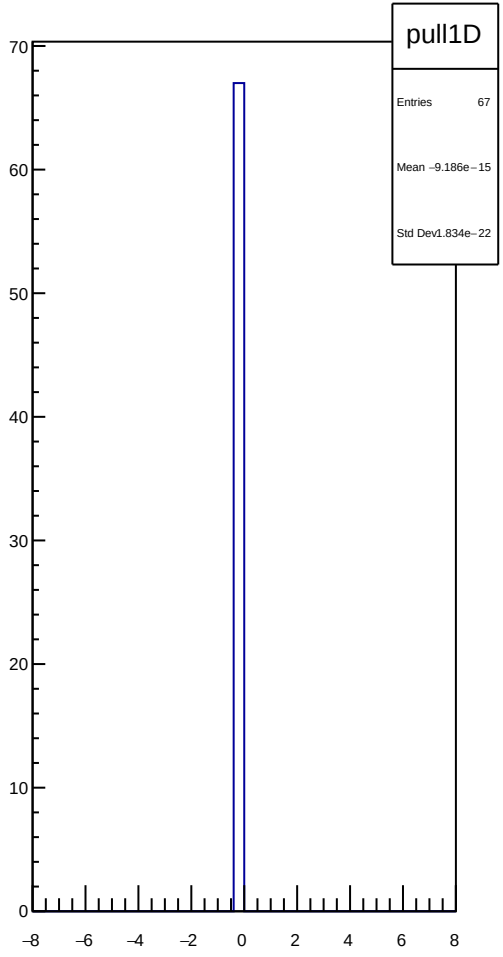

pull1D
Entries 67
Mean −5.921e−15
Std Dev 2.246e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run

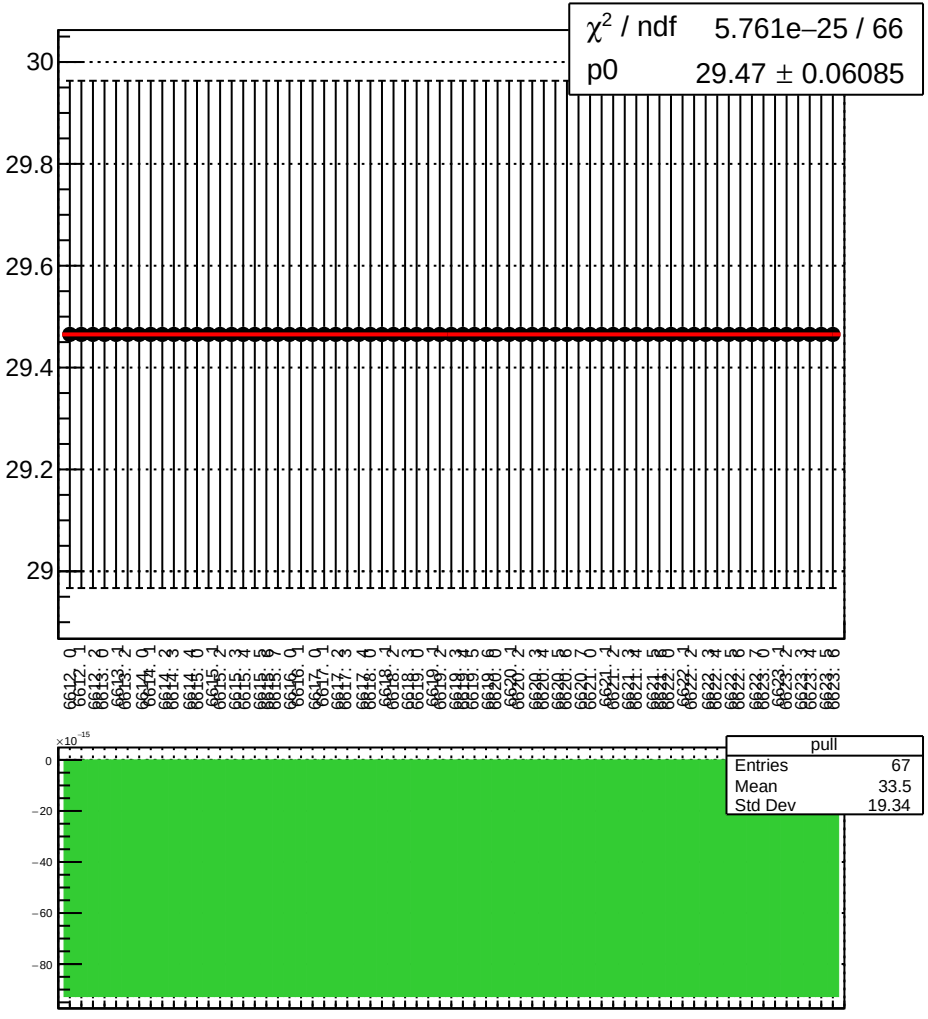


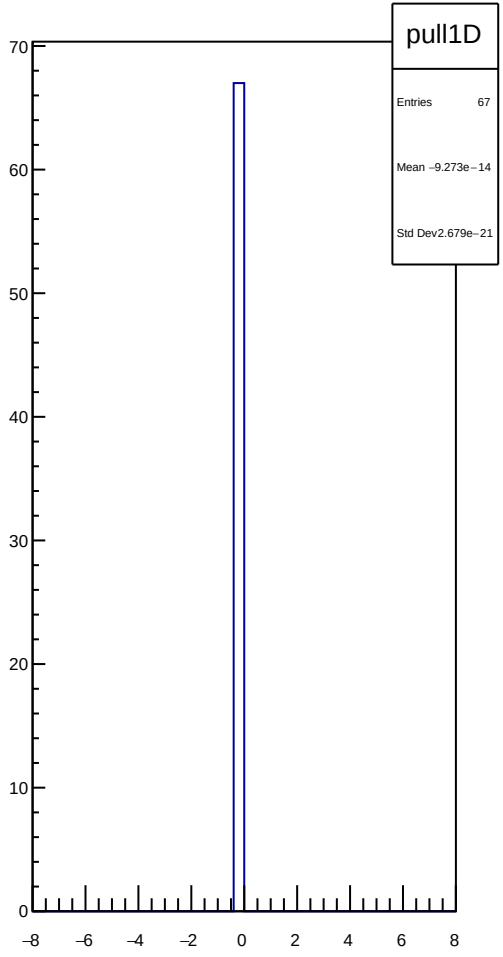



dit_sam3_4aY_slope vs run
χ² / ndf 5.654e−27 / 66
p0 −6.973 ± 0.02362
pull
Entries 67
Mean 33.5
Std Dev 19.34

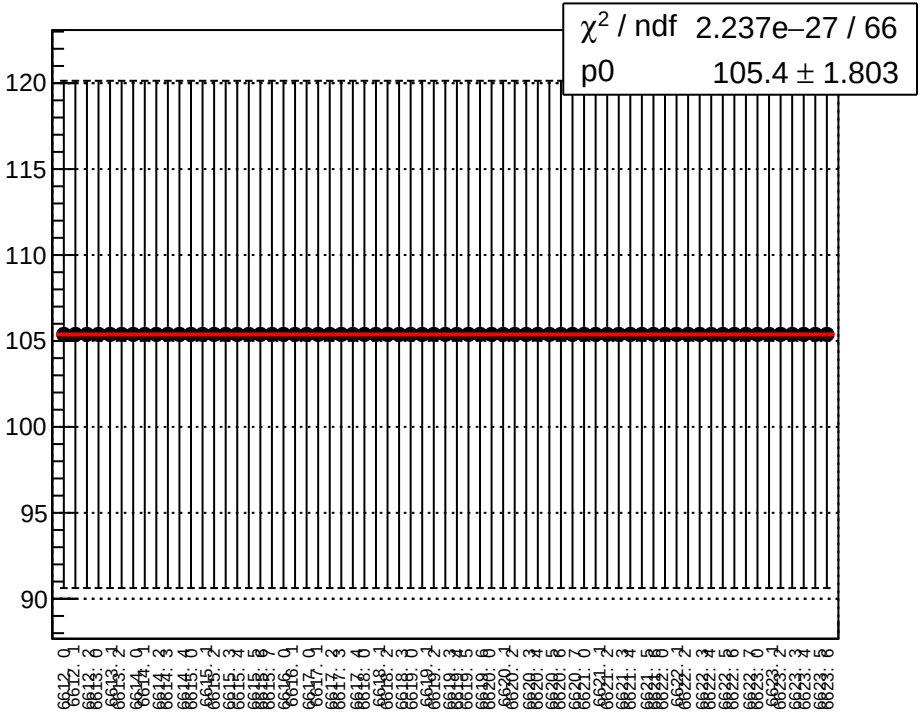

pull1D
Entries 67
Mean −9.186e−15
Std Dev 1.834e−22

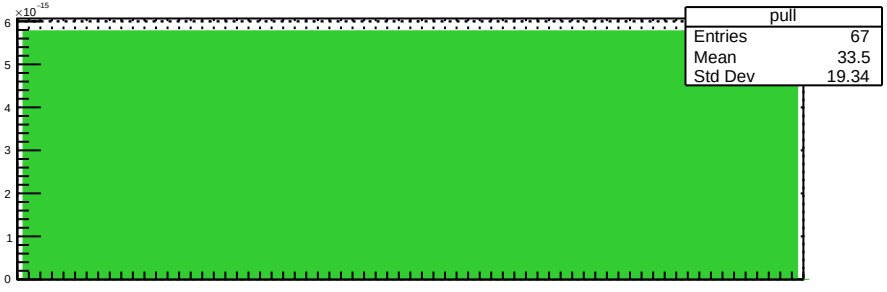
dit_sam3_4eY_slope vs run

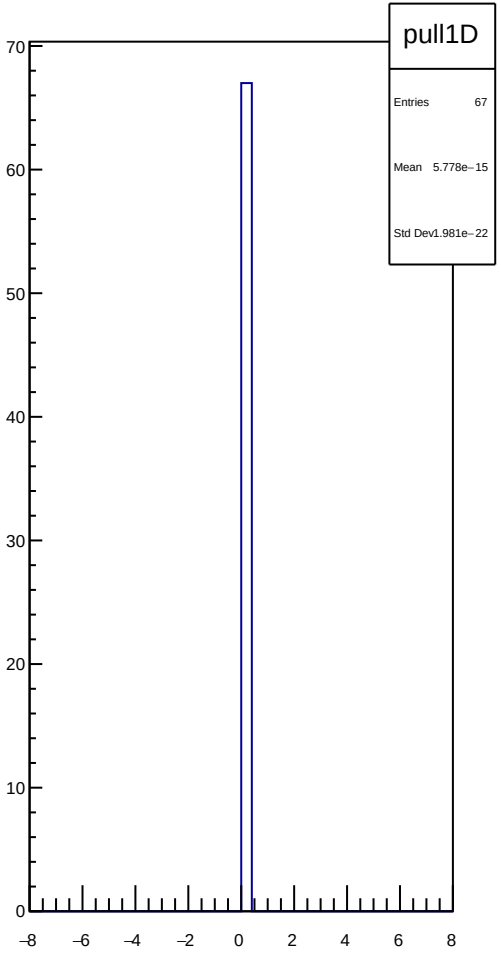


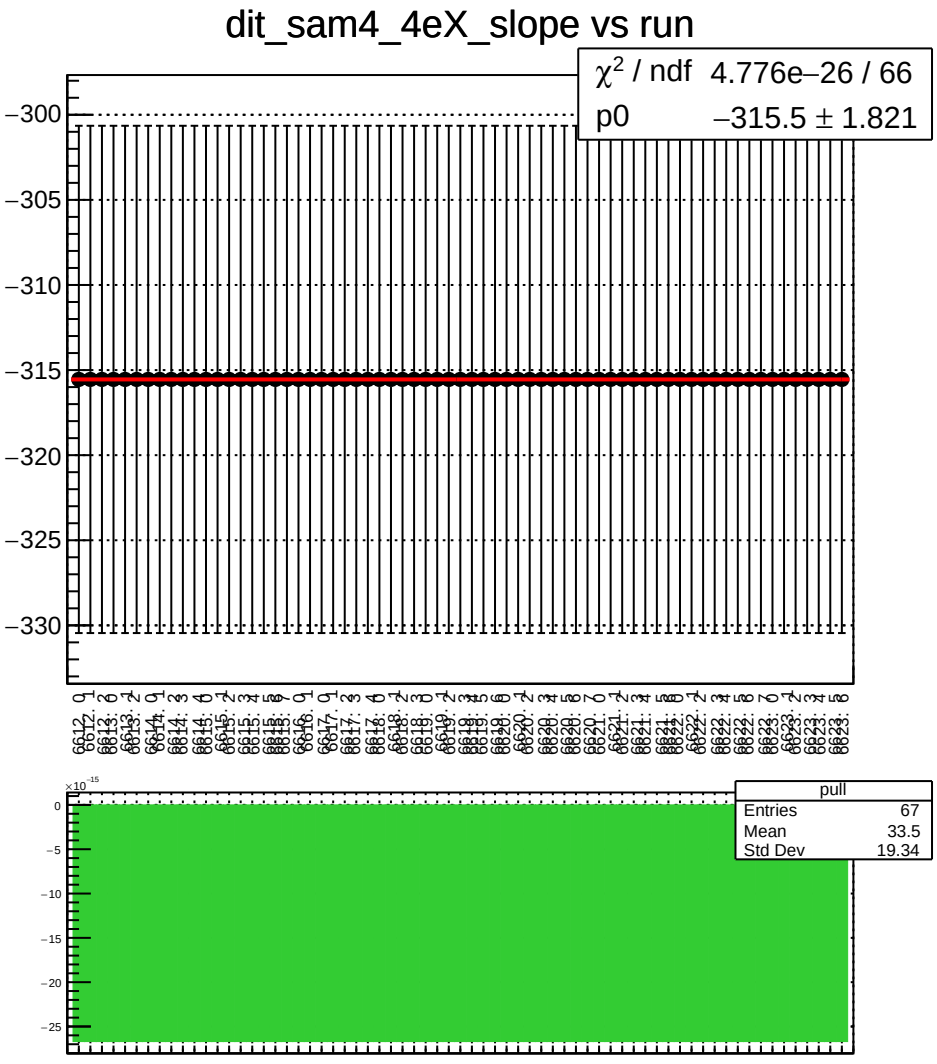


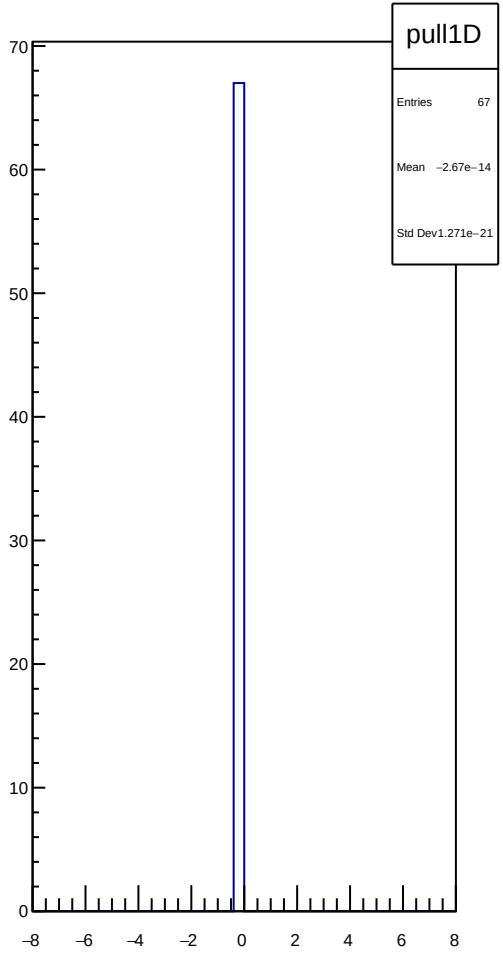
dit_sam4_4aX_slope vs run



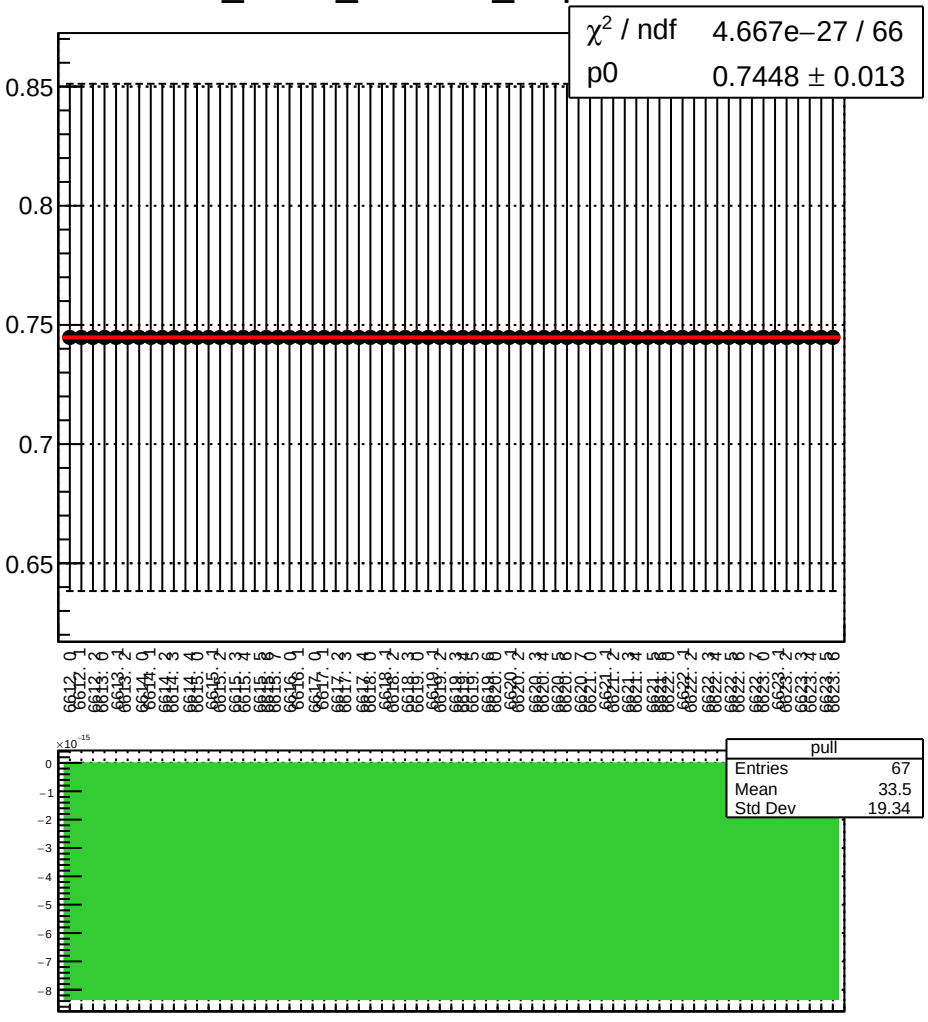


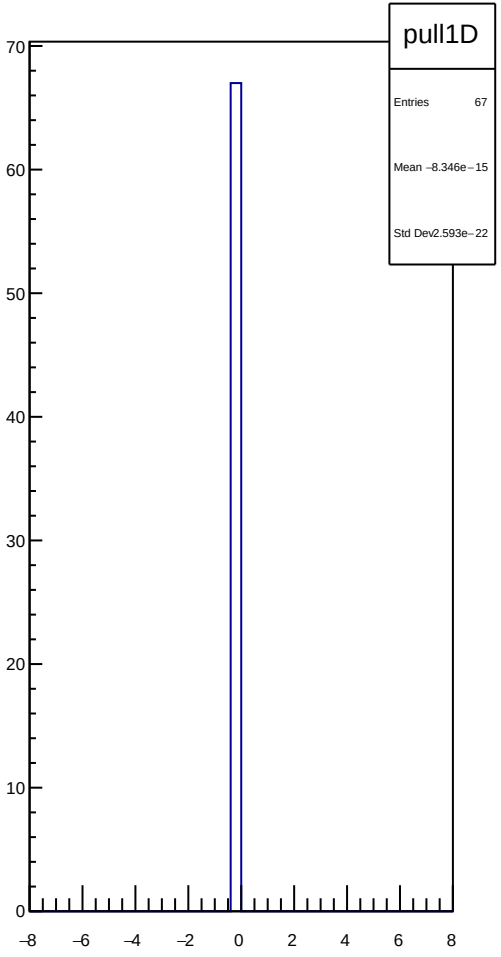


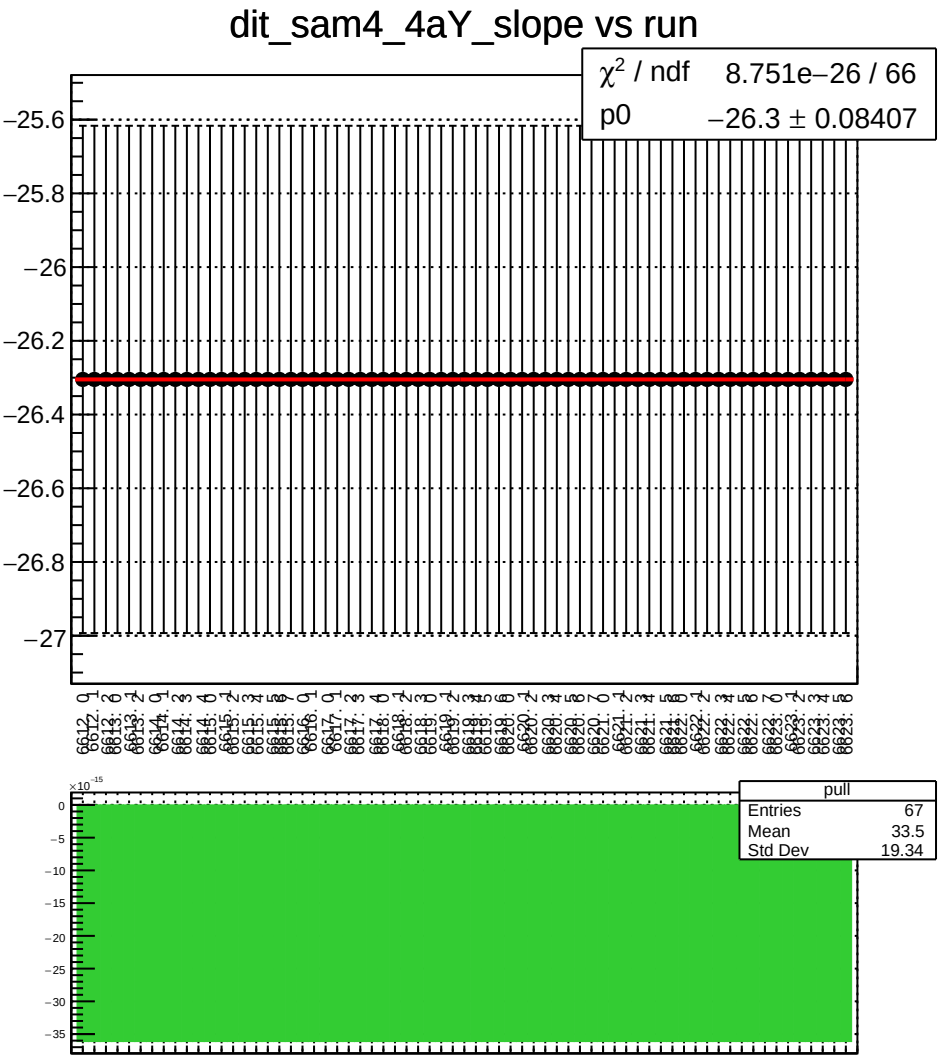

dit_sam4_4eX_slope vs run
χ^2 / ndf 4.776e−26 / 66
p0 −315.5 ± 1.821
−300
−305
−310
−315
−320
−325
−330
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−5
−10
−15
−20
−25

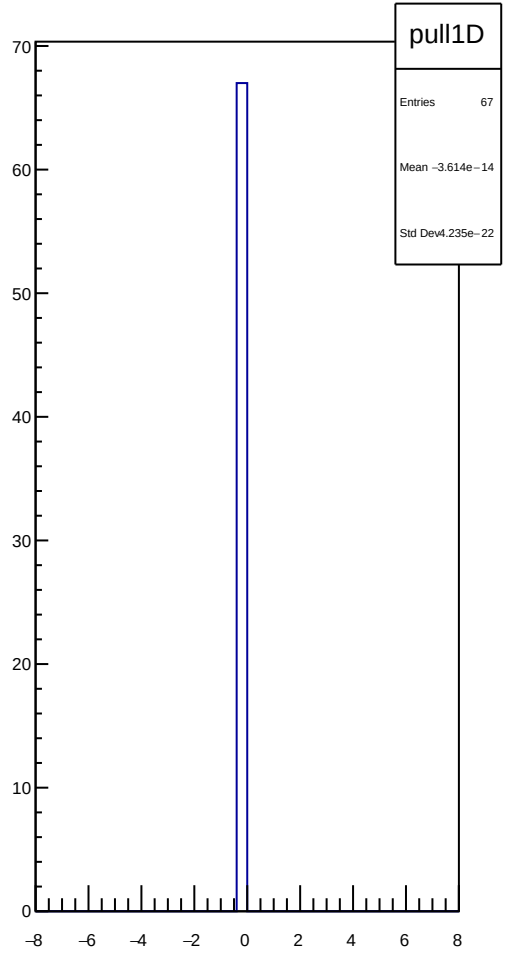

pull1D
Entries 67
Mean −2.67e−14
Std Dev1.271e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

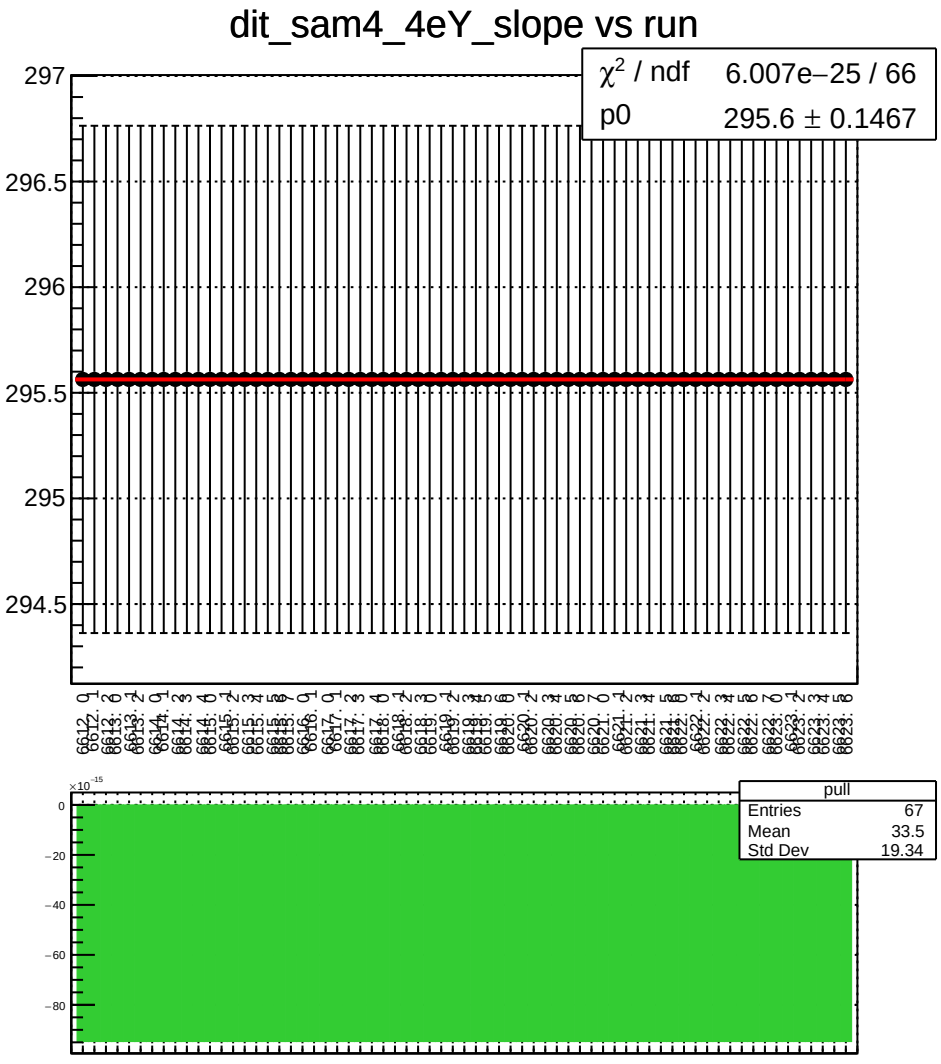
dit_sam4_11X12X_slope vs run

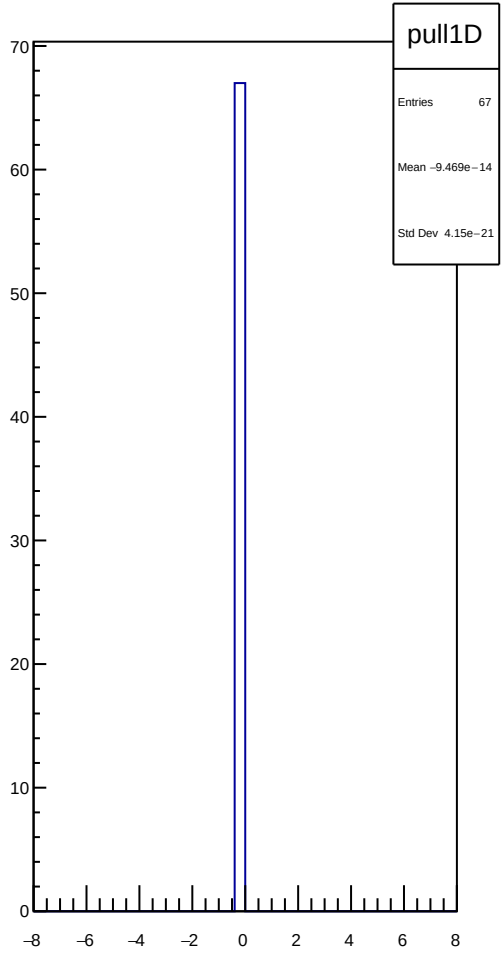


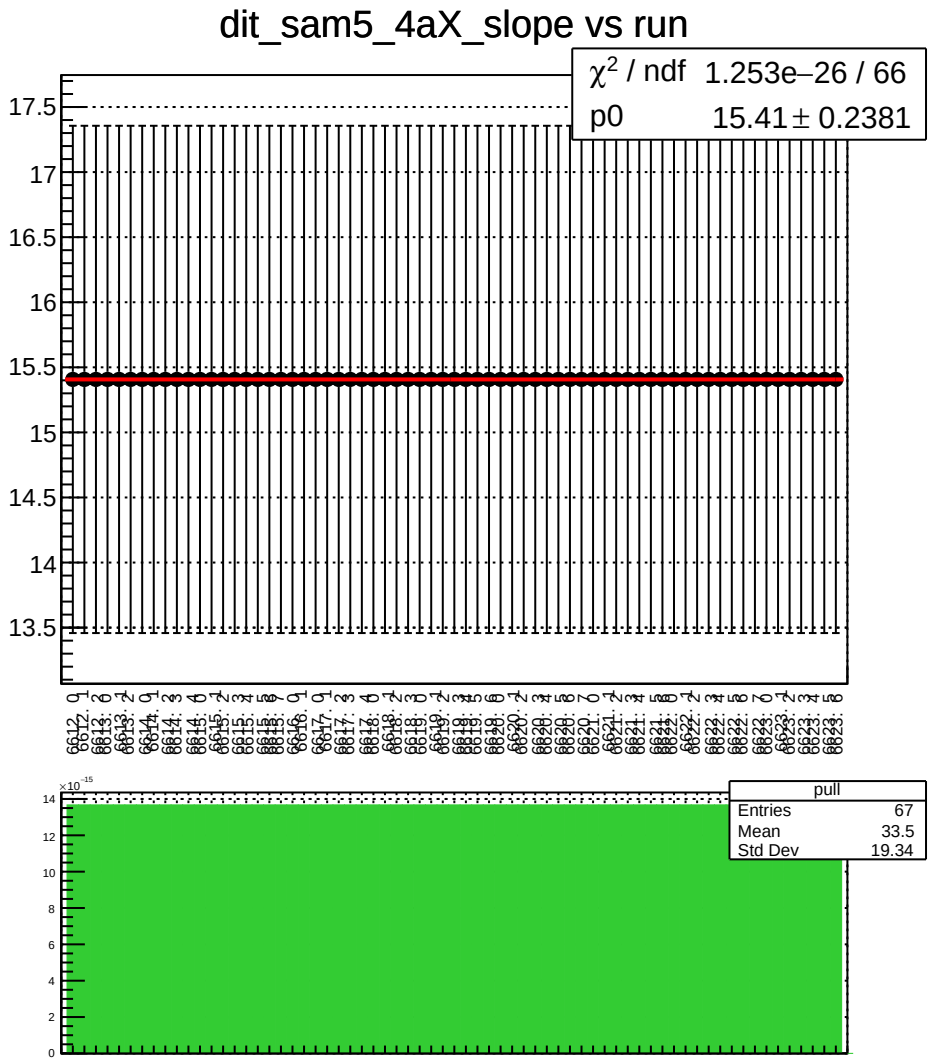


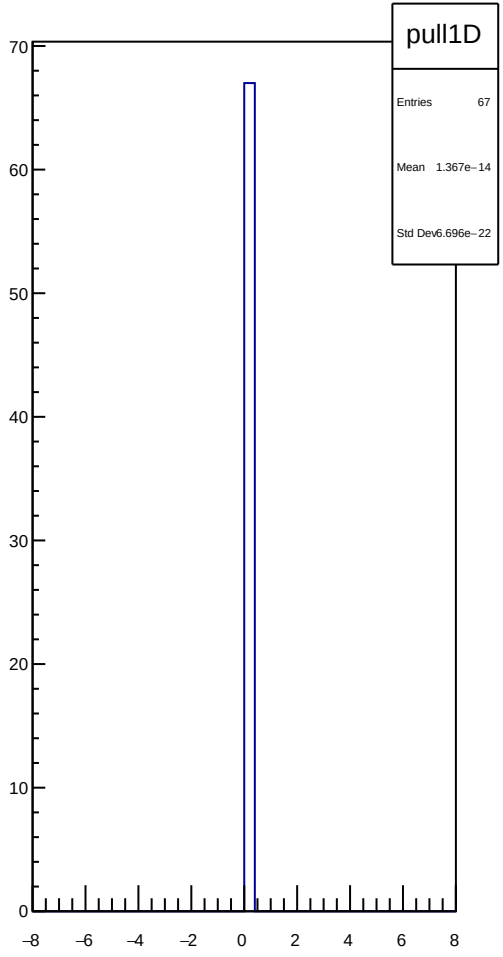

dit_sam4_4aY_slope vs run
χ² / ndf 8.751e−26 / 66
p0 −26.3 ± 0.08407
−25.6
−25.8
−26
−26.2
−26.4
−26.6
−26.8
−27
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

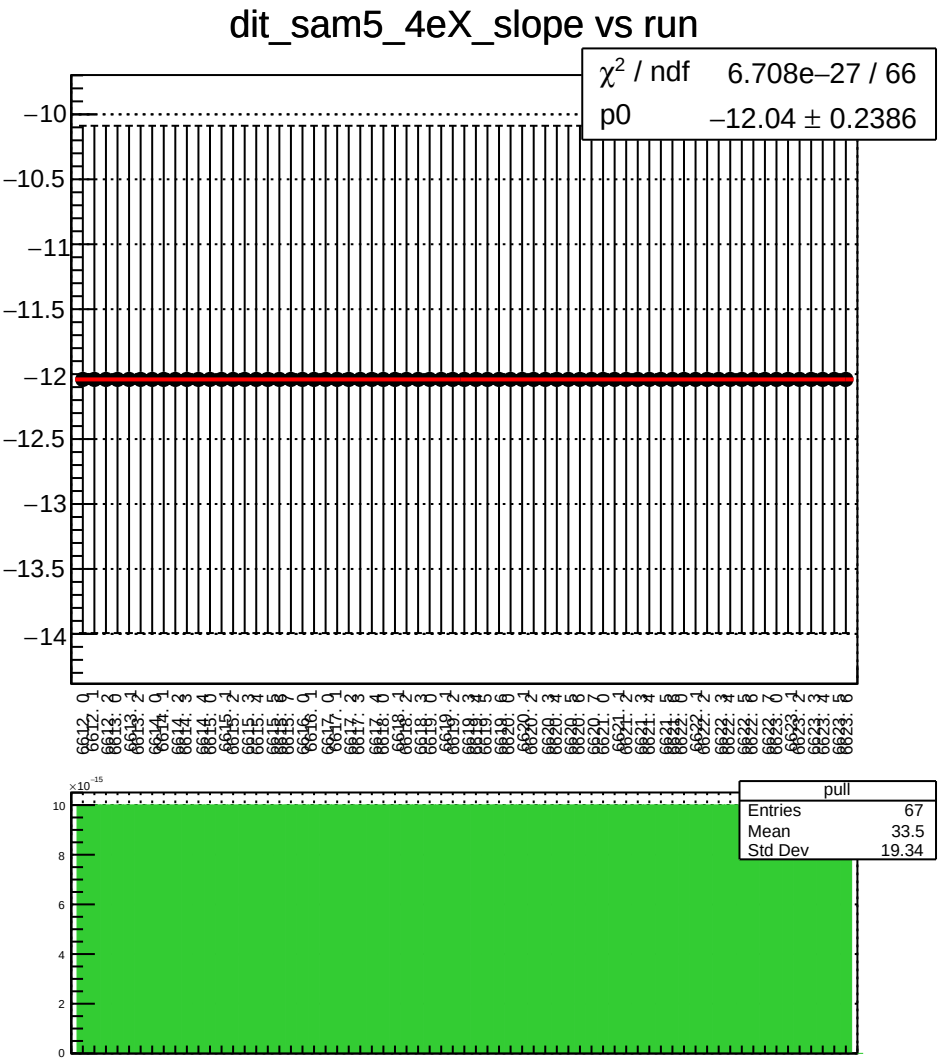

pull1D
Entries 67
Mean −3.614e−14
Std Dev 4.235e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

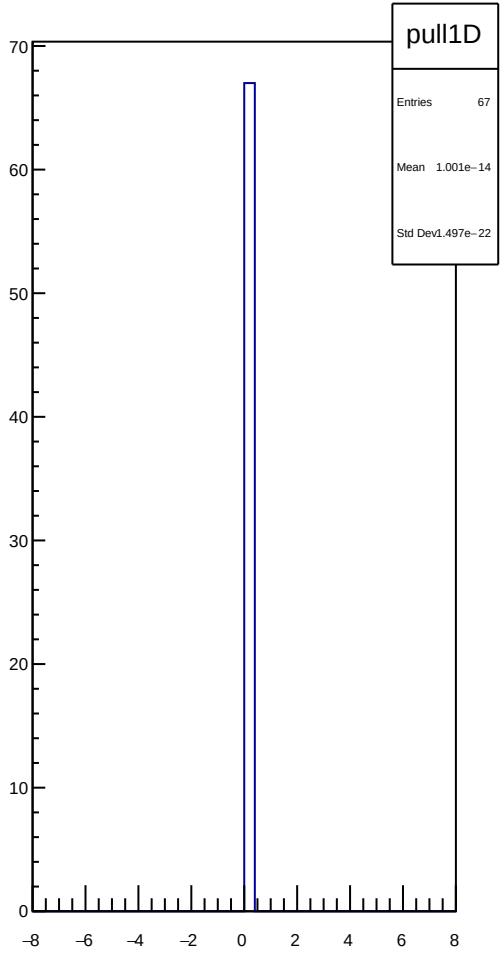

dit_sam4_4eY_slope vs run
χ^2 / ndf 6.007e−25 / 66
p0 295.6 ± 0.1467
297
296.5
296
295.5
295
294.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
0
−20
−40
−60
−80


pull1D
Entries 67
Mean −9.469e−14
Std Dev 4.15e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

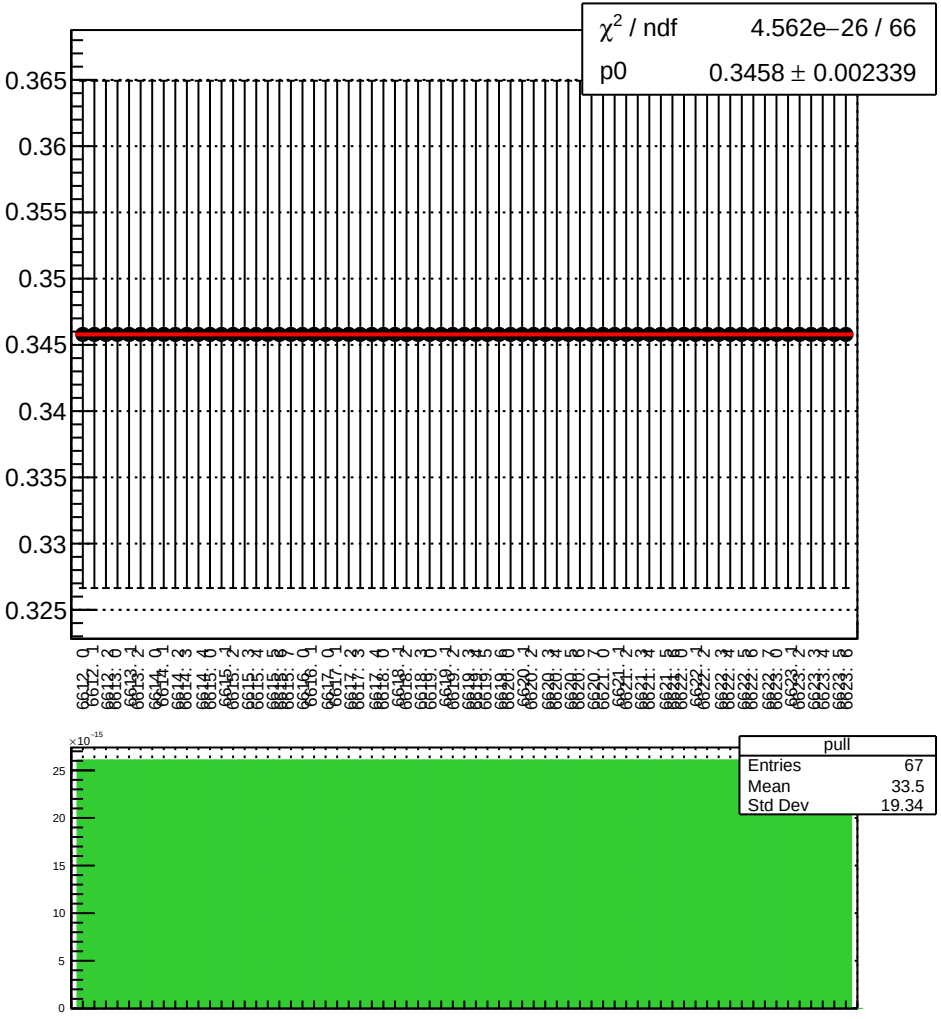

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.253e−26 / 66
p0 15.41 ± 0.2381
pull
Entries 67
Mean 33.5
Std Dev 19.34

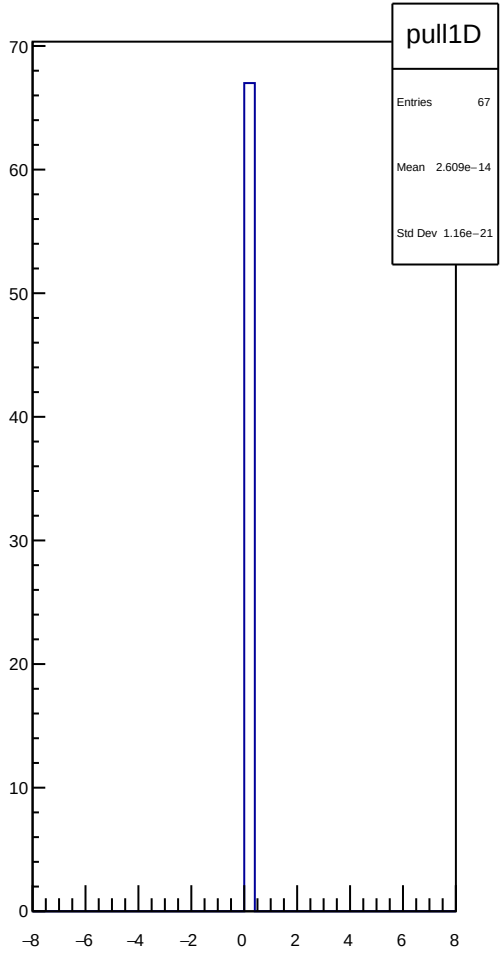

pull1D
Entries 67
Mean 1.367e−14
Std Dev 6.696e−22

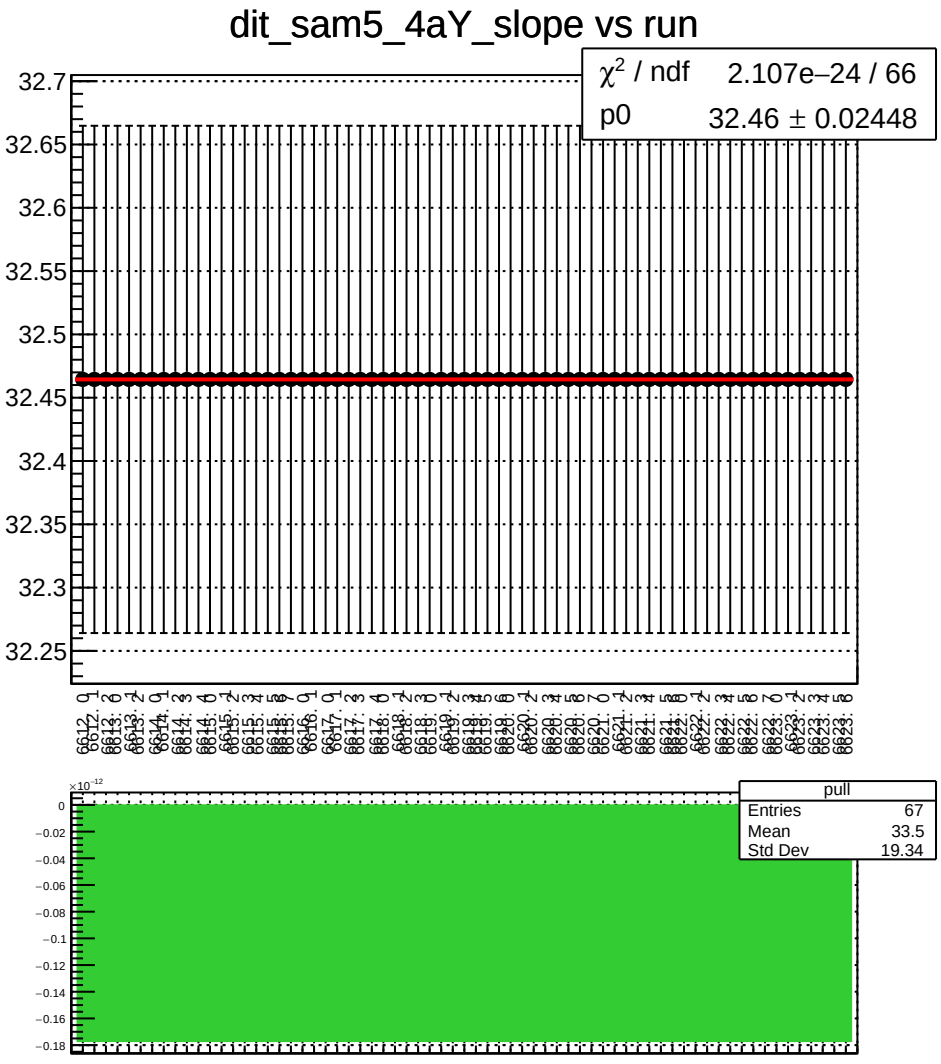

dit_sam5_4eX_slope vs run
χ² / ndf 6.708e−27 / 66
p0 −12.04 ± 0.2386
pull
Entries 67
Mean 33.5
Std Dev 19.34

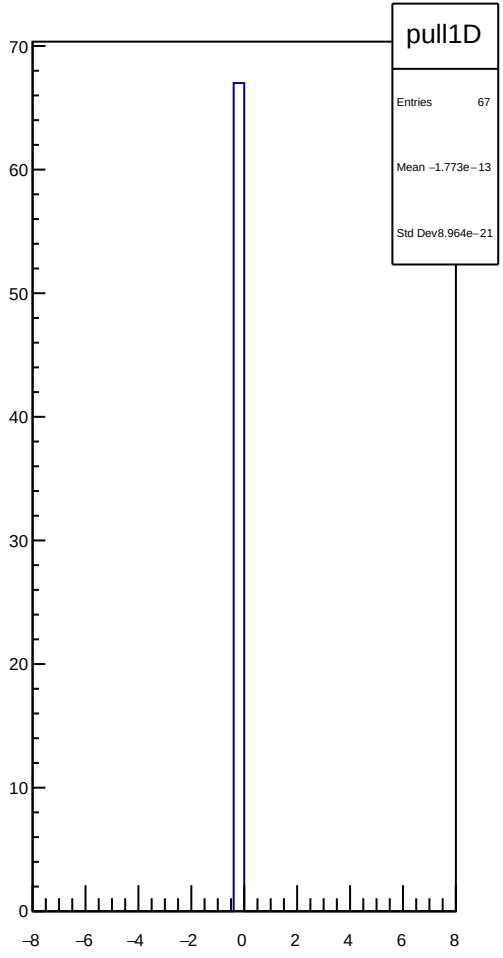

pull1D
Entries 67
Mean 1.001e−14
Std Dev 1.497e−22

dit_sam5_11X12X_slope vs run

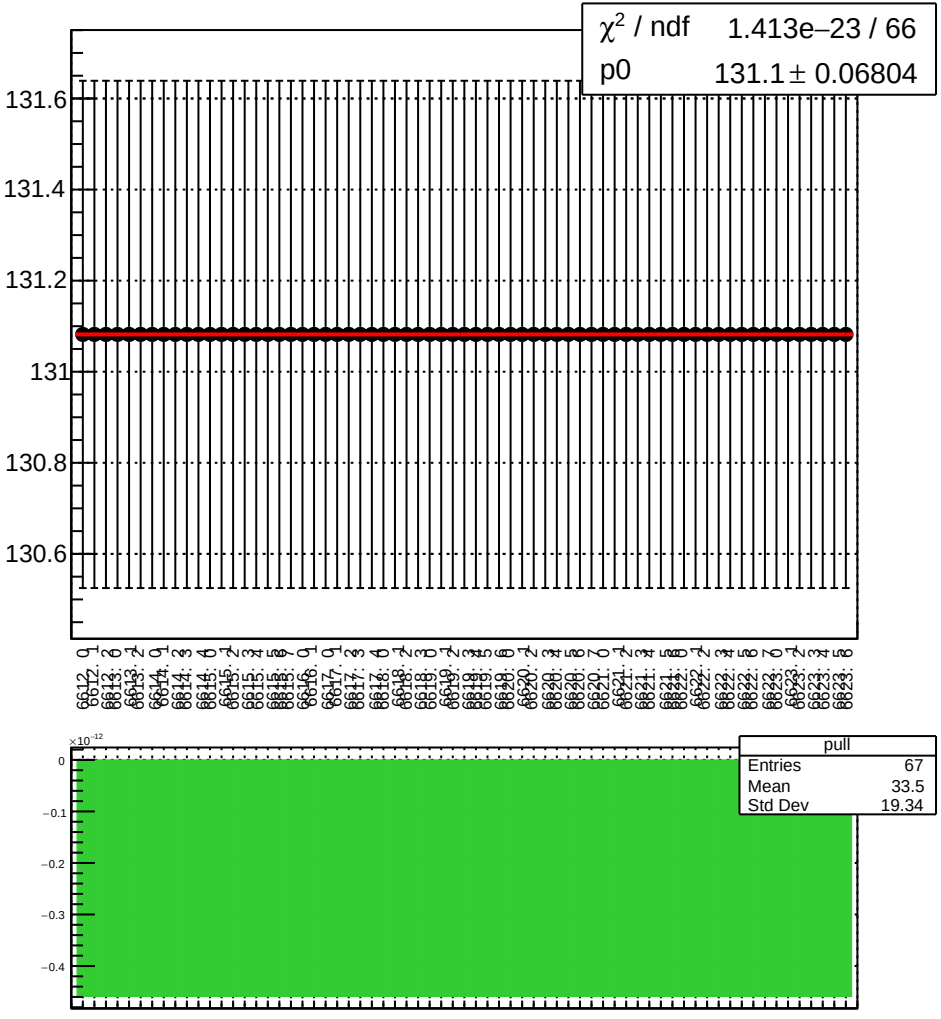


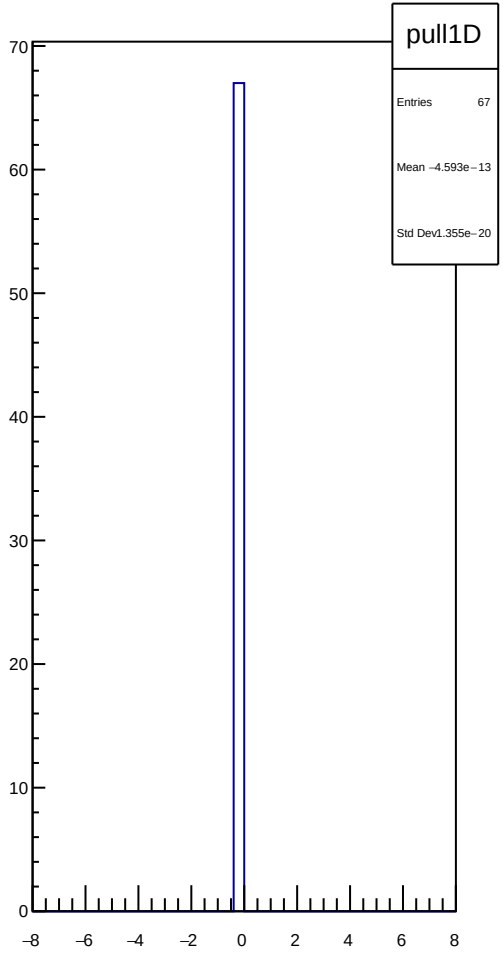


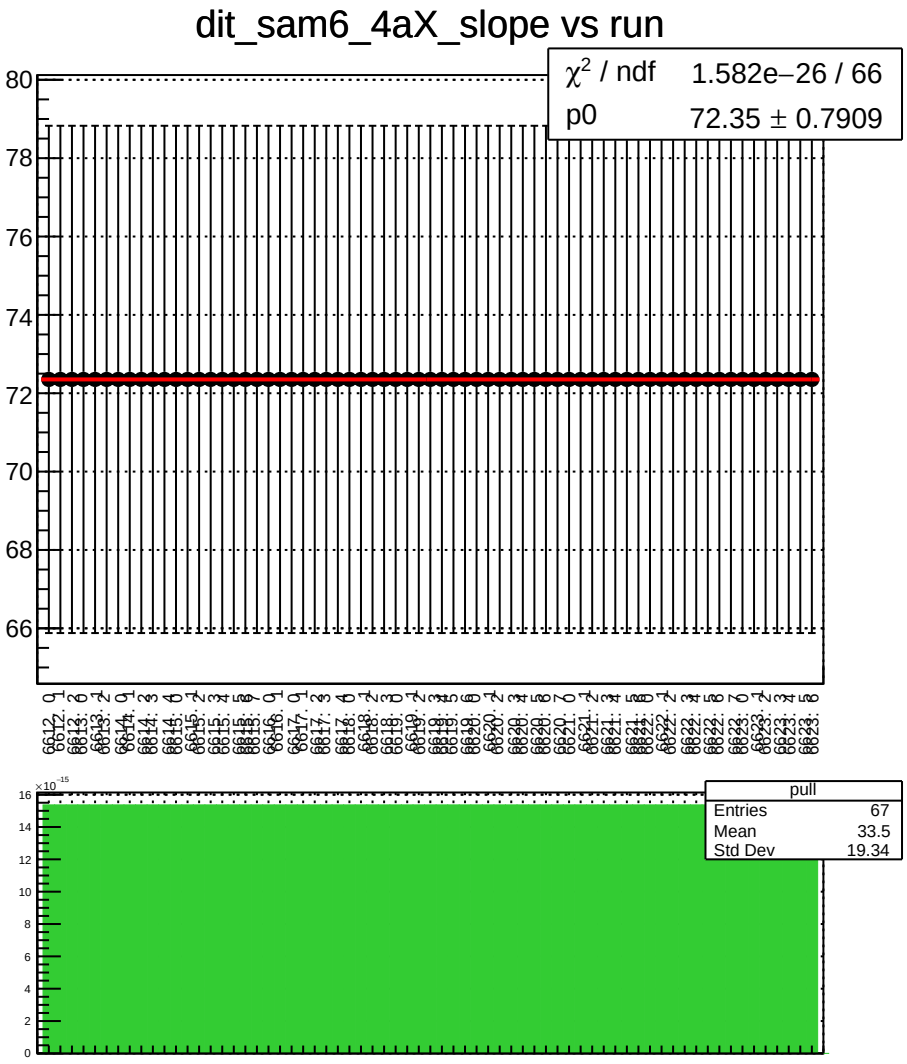

dit_sam5_4aY_slope vs run
χ^2 / ndf 2.107e−24 / 66
p0 32.46 ± 0.02448
32.7
32.65
32.6
32.55
32.5
32.45
32.4
32.35
32.3
32.25
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

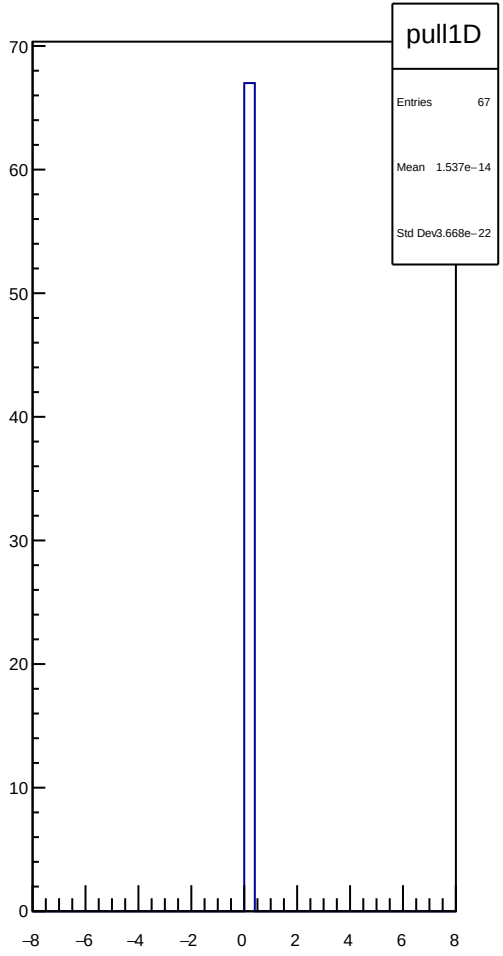

pull1D
Entries 67
Mean −1.773e−13
Std Dev 8.964e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run

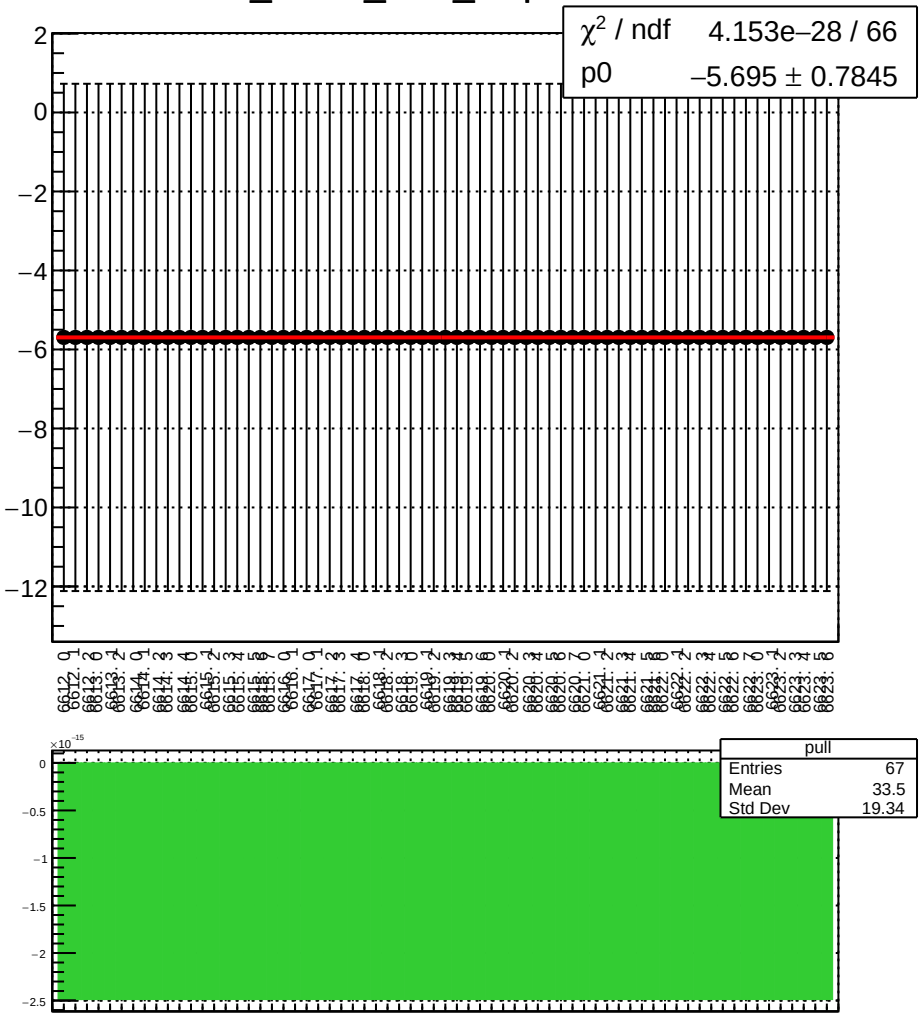


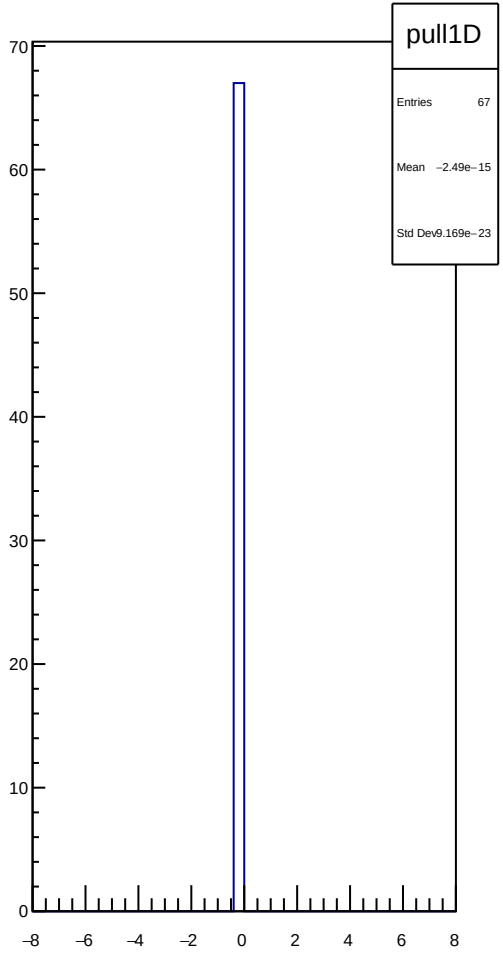


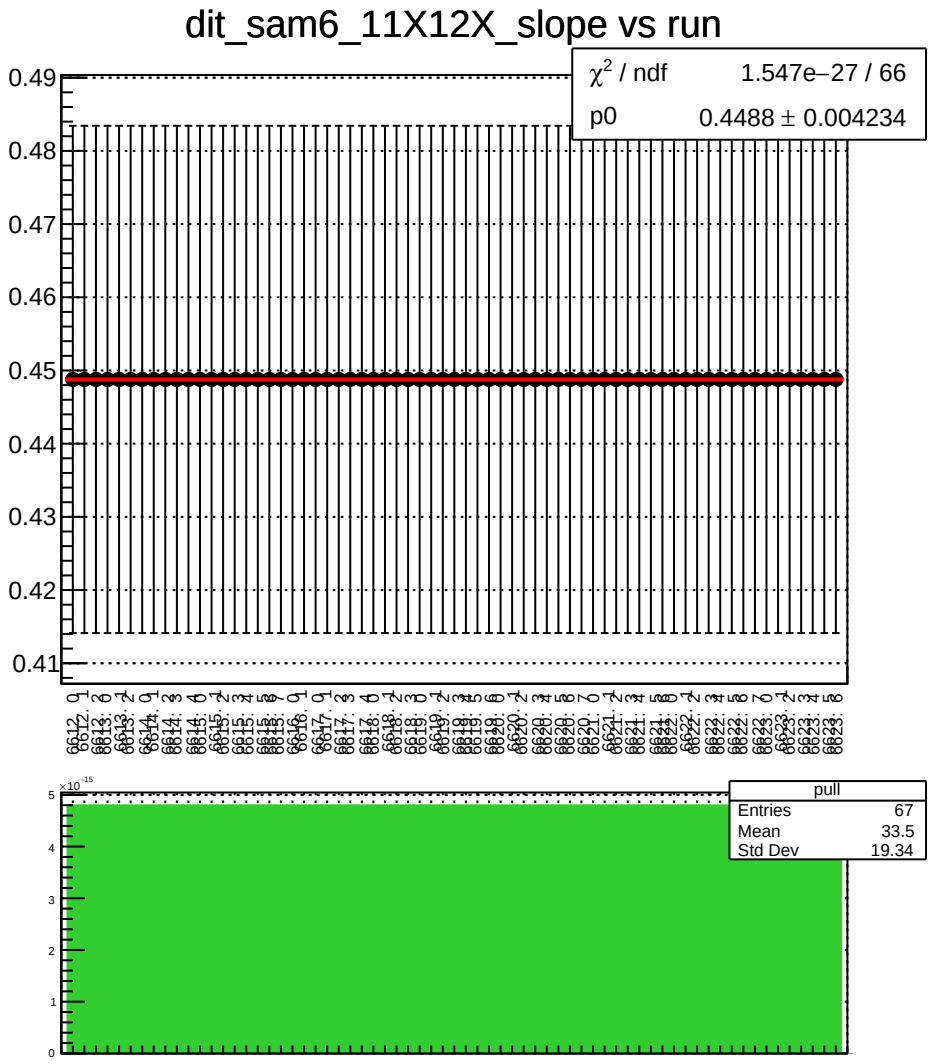

dit_sam6_4aX_slope vs run
χ² / ndf 1.582e−26 / 66
p0 72.35 ± 0.7909
pull
Entries 67
Mean 33.5
Std Dev 19.34

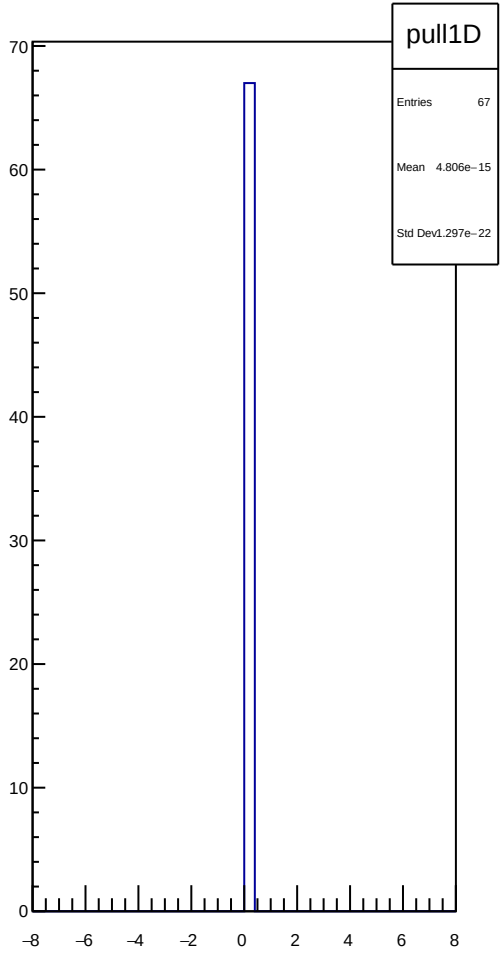

pull1D
Entries 67
Mean 1.537e−14
Std Dev 3.668e−22

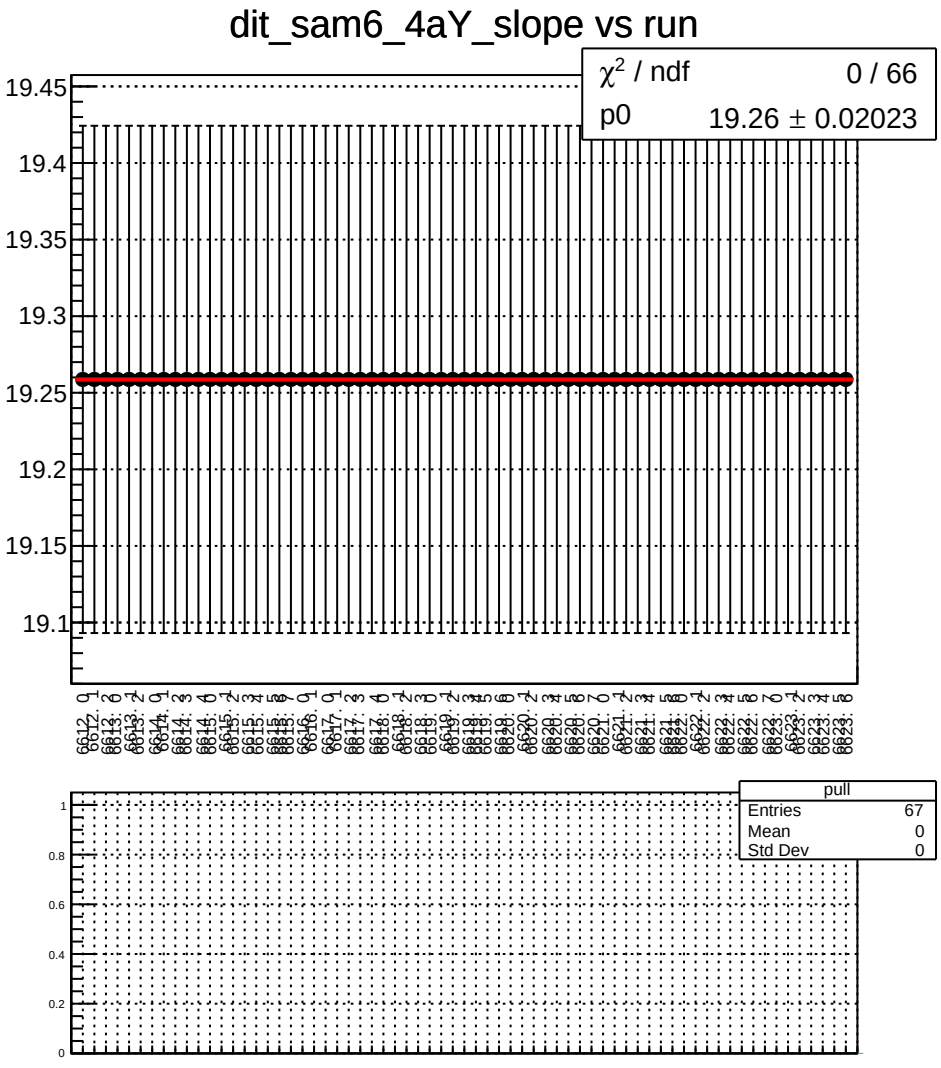
dit_sam6_4eX_slope vs run

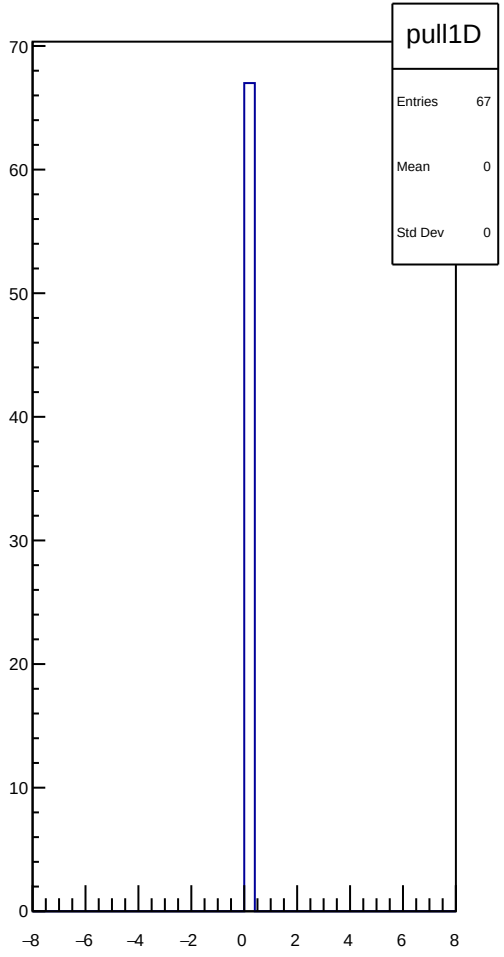




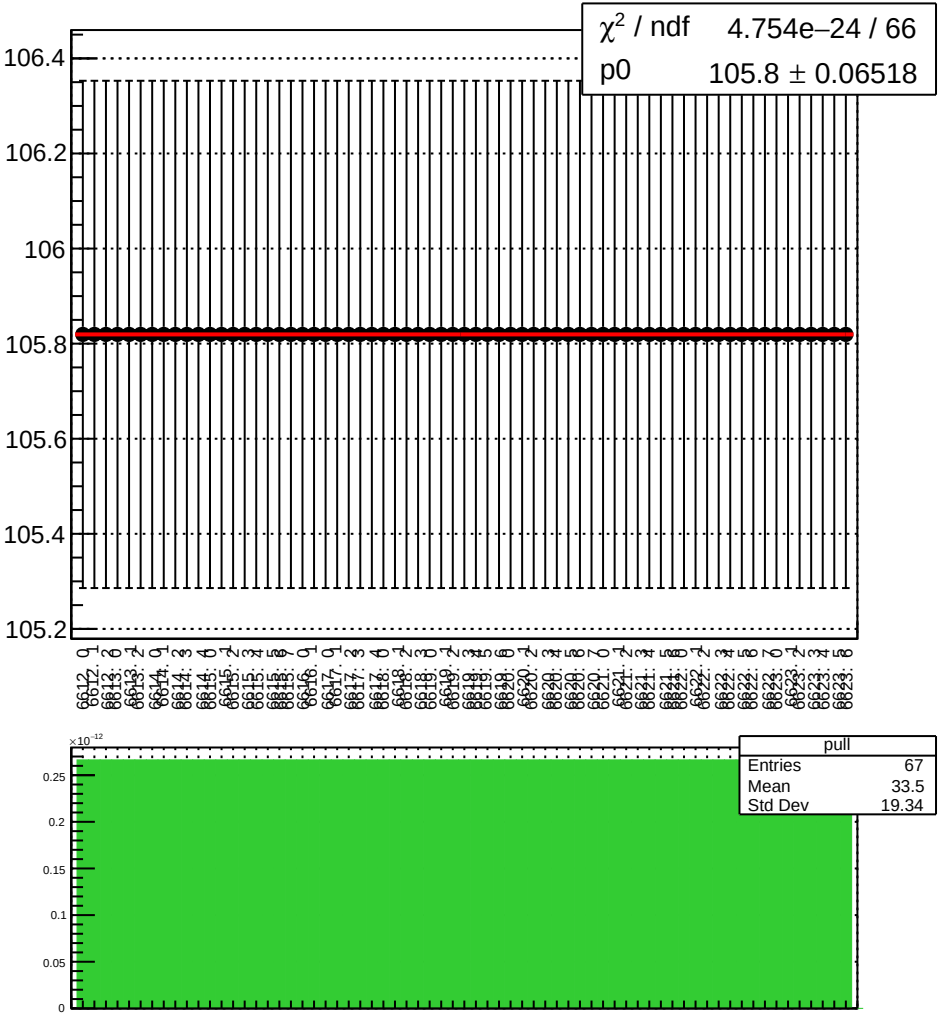

dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.547e−27 / 66
p0 0.4488 ± 0.004234
0.49
0.48
0.47
0.46
0.45
0.44
0.43
0.42
0.41
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15
5
4
3
2
1
0

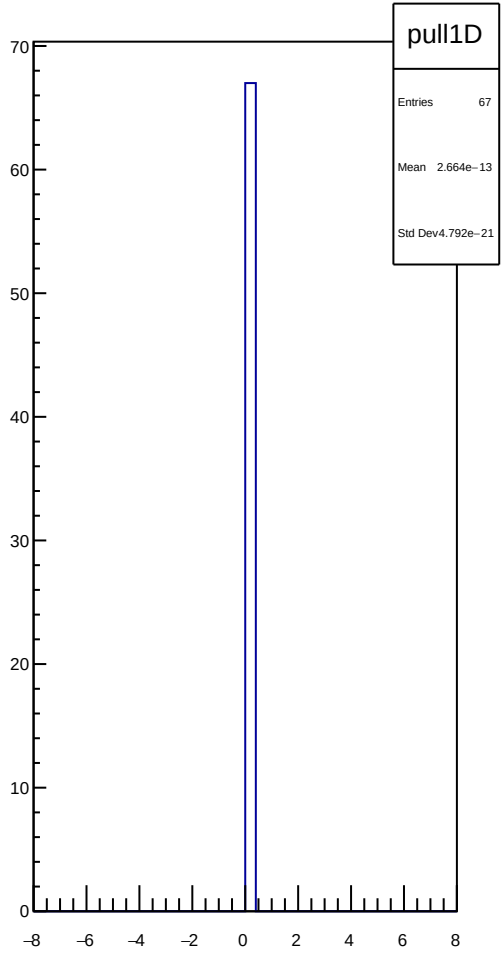

pull1D
Entries 67
Mean 4.806e−15
Std Dev 1.297e−22
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aY_slope vs run
χ² / ndf 0 / 66
p0 19.26 ± 0.02023
19.45
19.4
19.35
19.3
19.25
19.2
19.15
19.1
pull
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

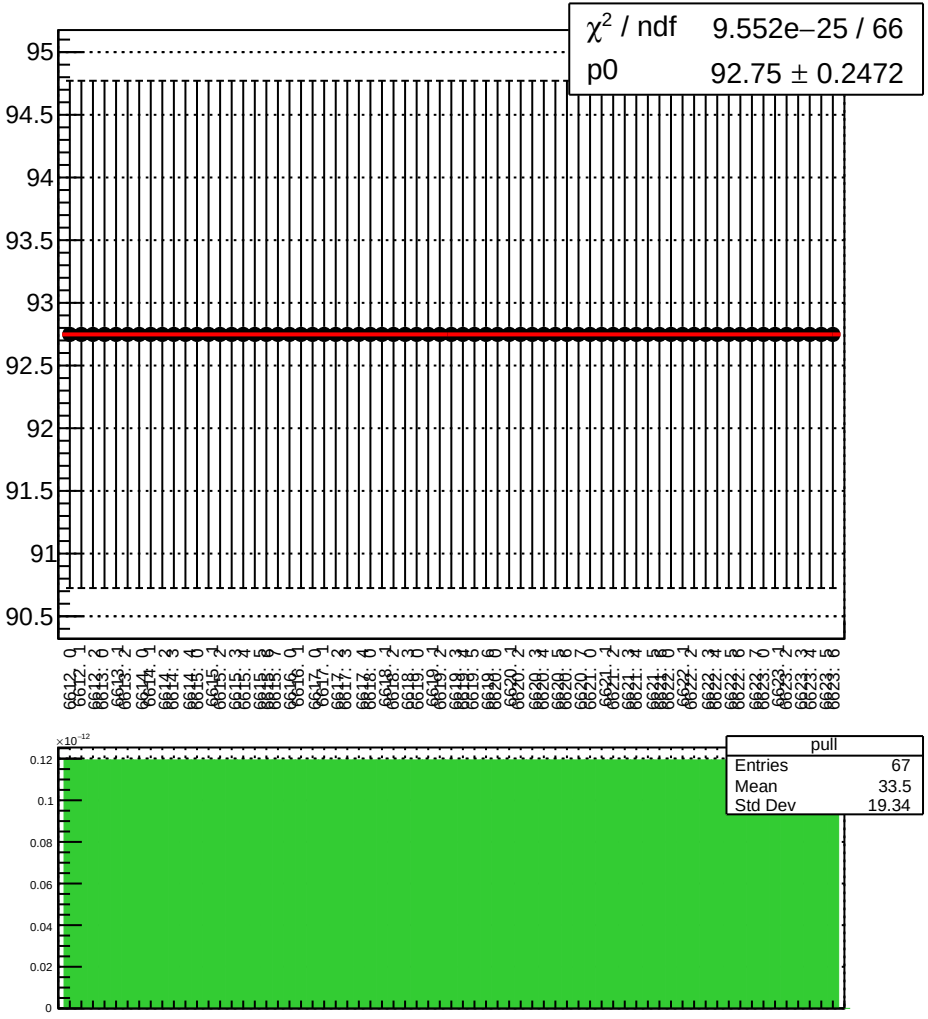

pull1D
Entries 67
Mean 0
Std Dev 0
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

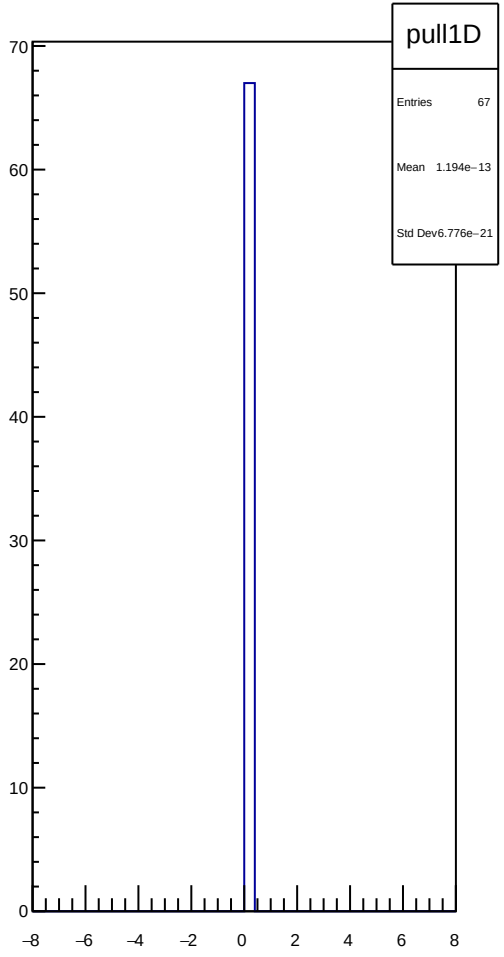
dit_sam6_4eY_slope vs run

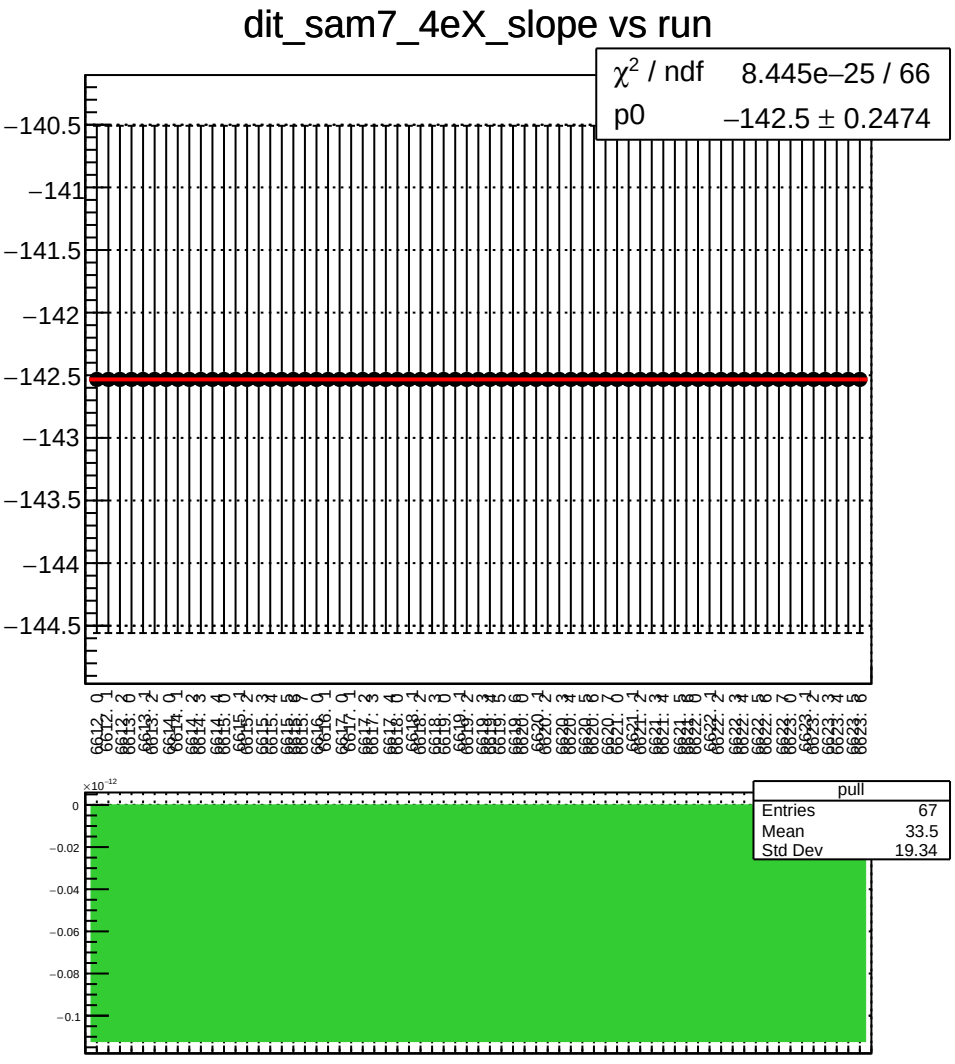


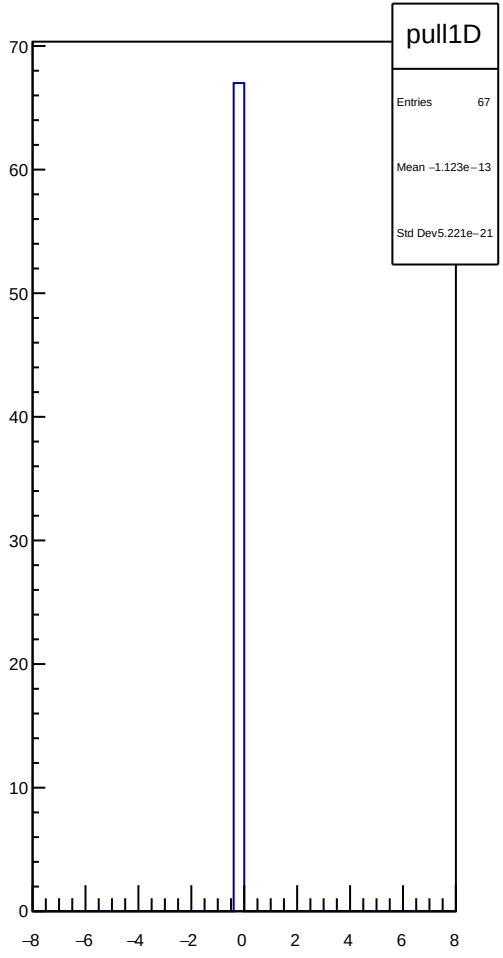


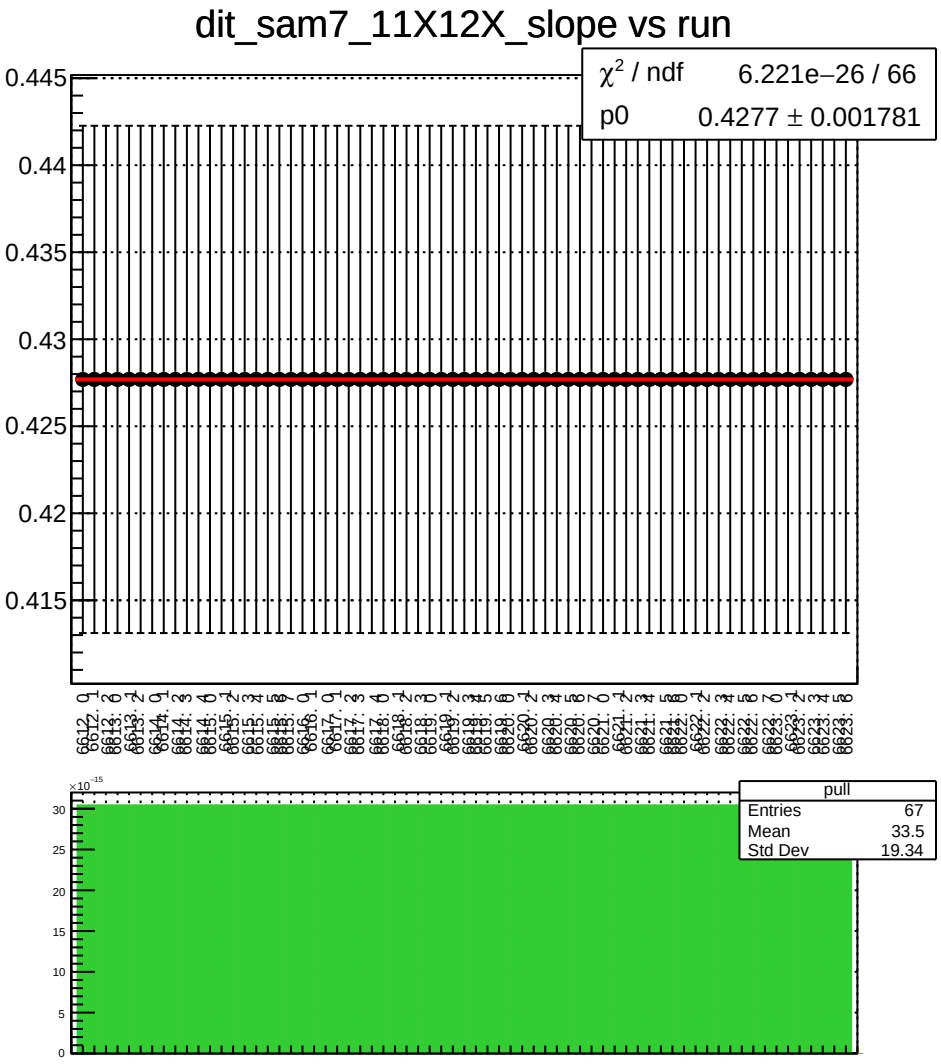
dit_sam7_4aX_slope vs run

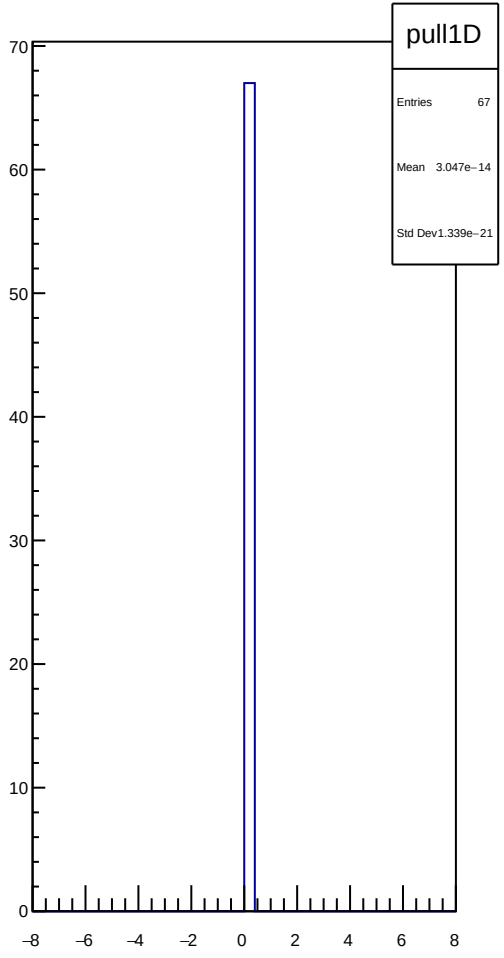


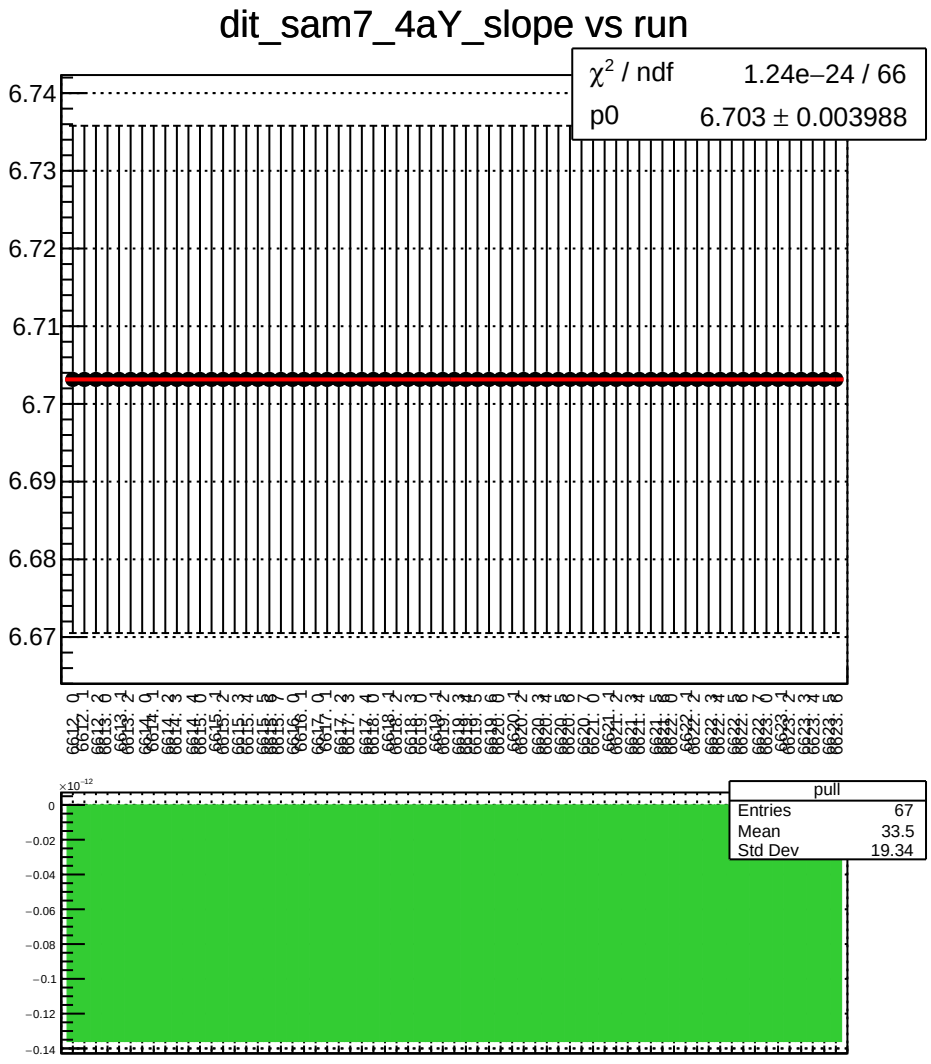


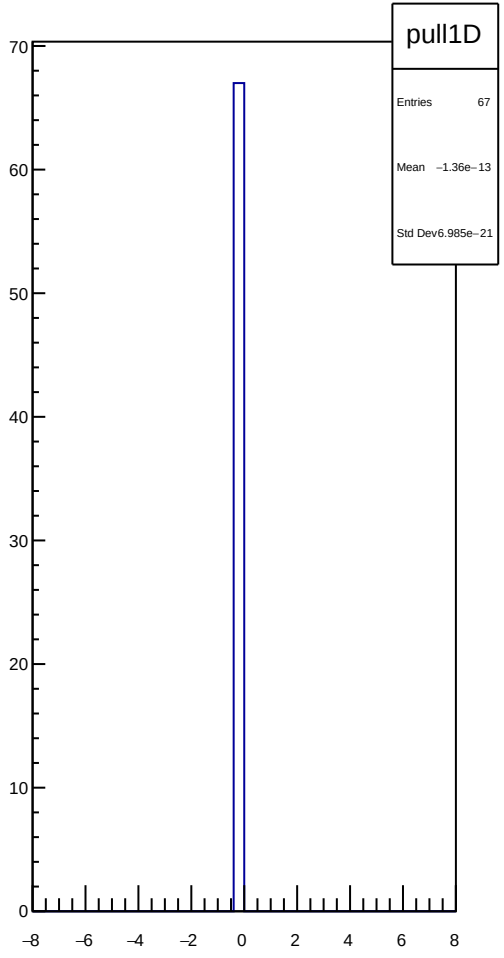

dit_sam7_4eX_slope vs run
χ^2 / ndf 8.445e−25 / 66
p0 −142.5 ± 0.2474
−140.5
−141
−141.5
−142
−142.5
−143
−143.5
−144
−144.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

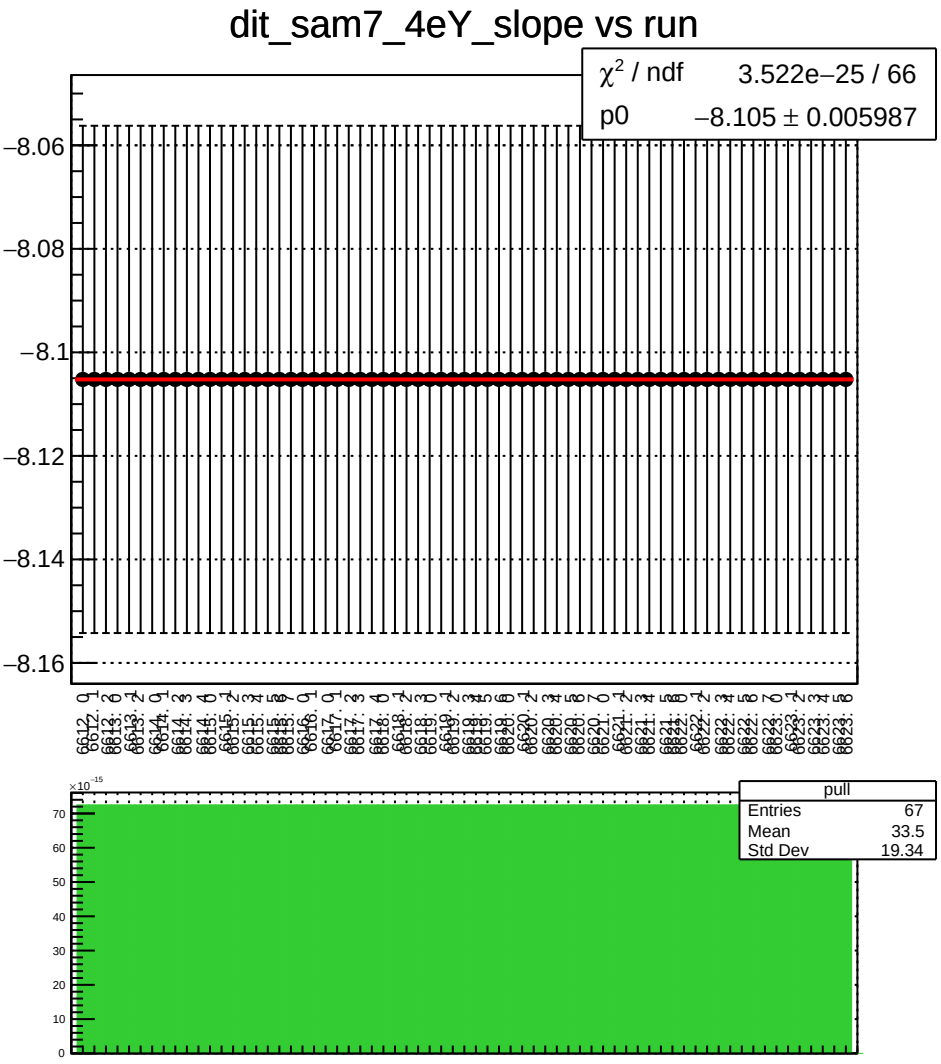

pull1D
Entries 67
Mean −1.123e−13
Std Dev 5.221e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

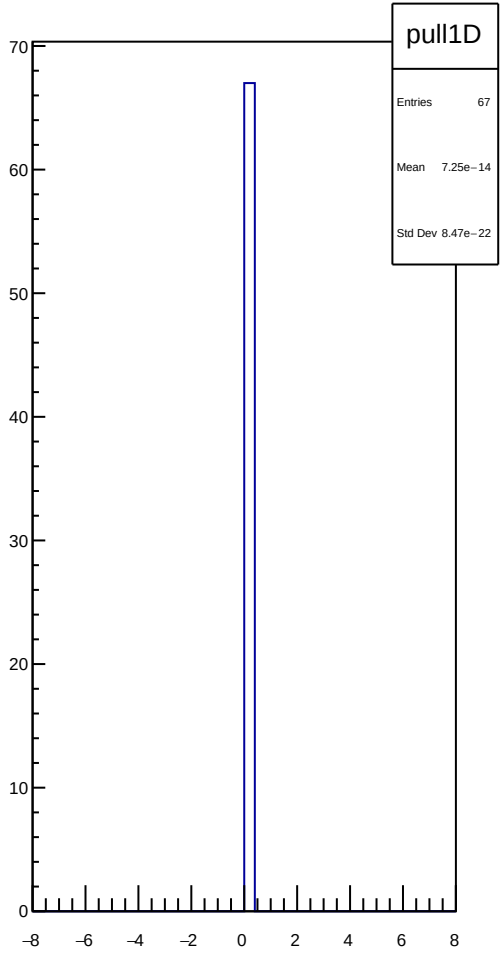

dit_sam7_11X12X_slope vs run
χ^2 / ndf 6.221e−26 / 66
p0 0.4277 ± 0.001781
0.445
0.44
0.435
0.43
0.425
0.42
0.415
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
30
25
20
15
10
5
0

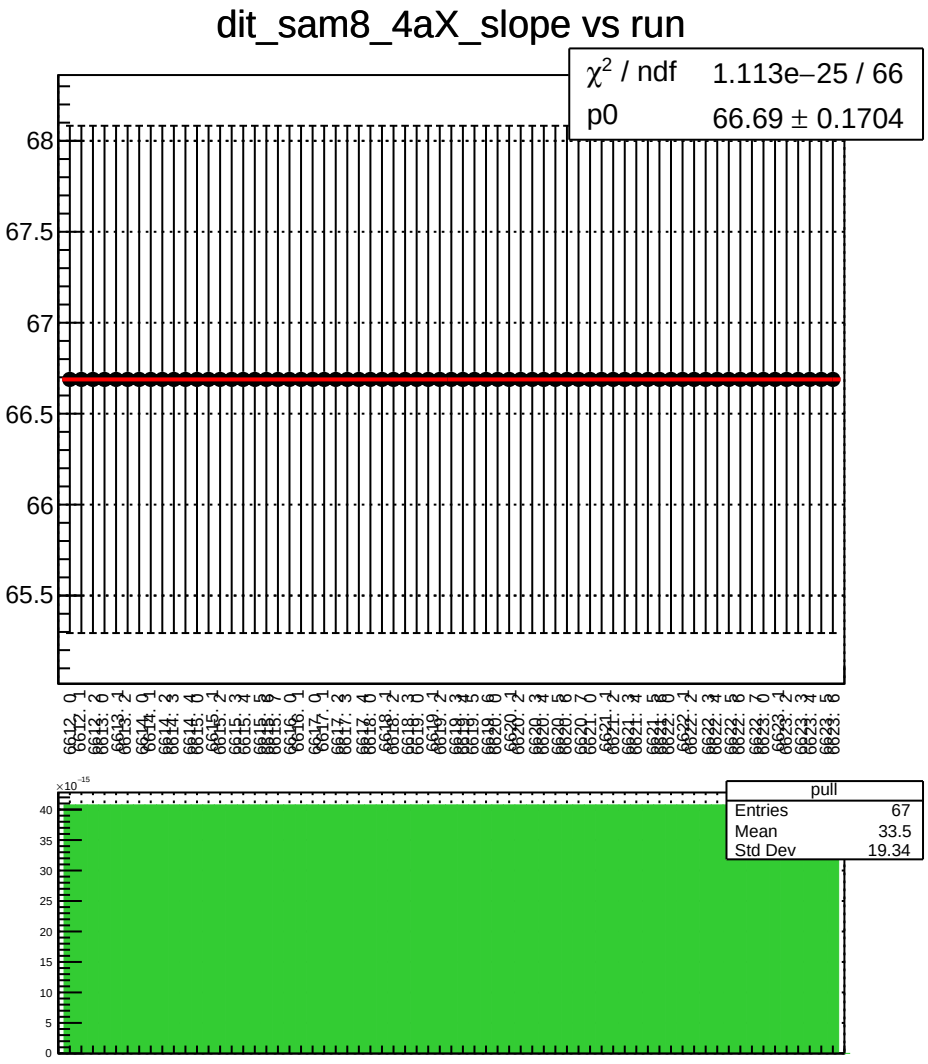

pull1D
Entries 67
Mean 3.047e−14
Std Dev 1.339e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

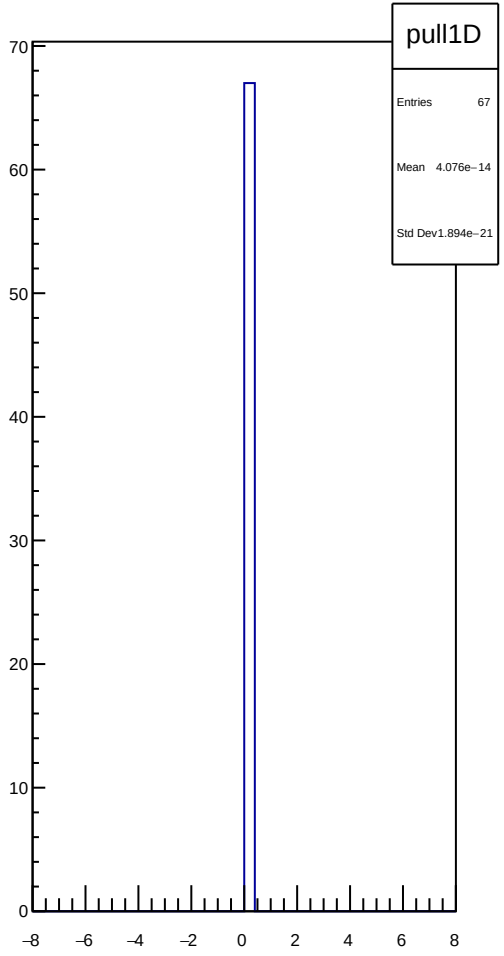

dit_sam7_4aY_slope vs run
χ² / ndf 1.24e−24 / 66
p0 6.703 ± 0.003988
6.74
6.73
6.72
6.71
6.7
6.69
6.68
6.67
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

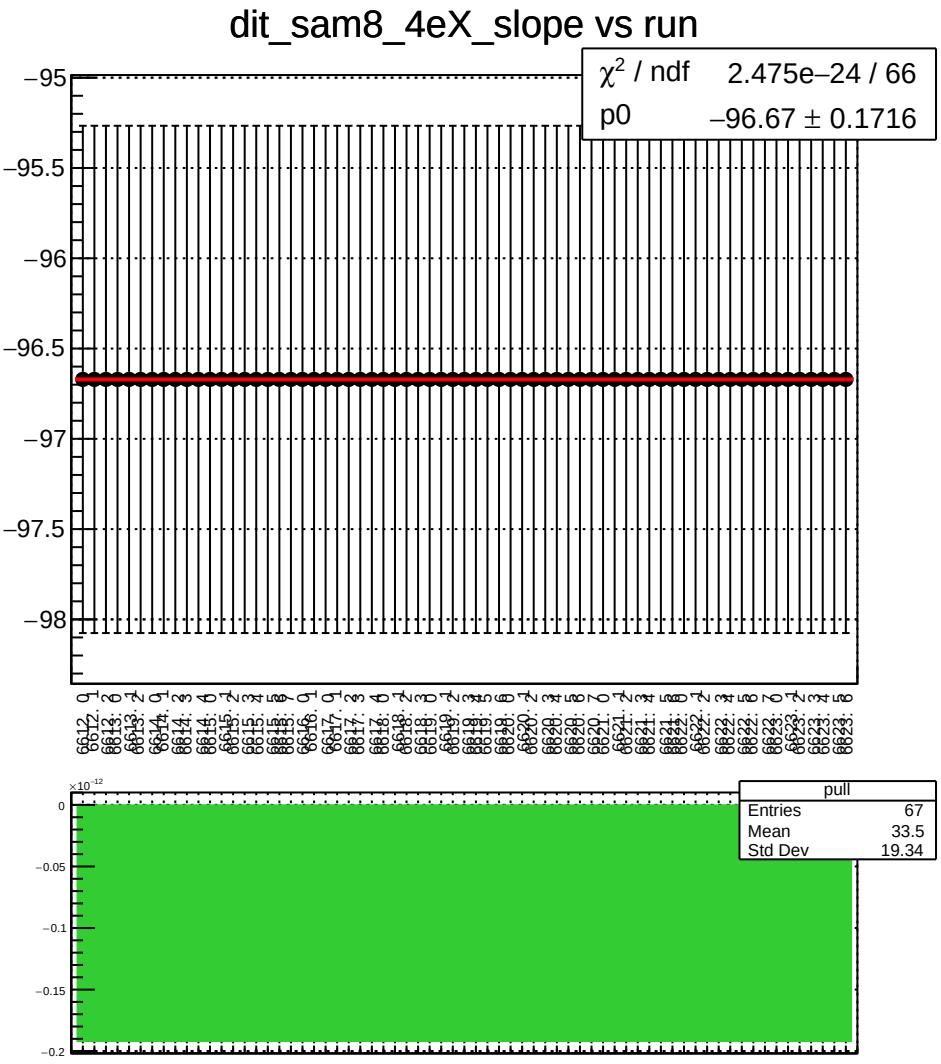

pull1D
Entries 67
Mean −1.36e−13
Std Dev 6.985e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

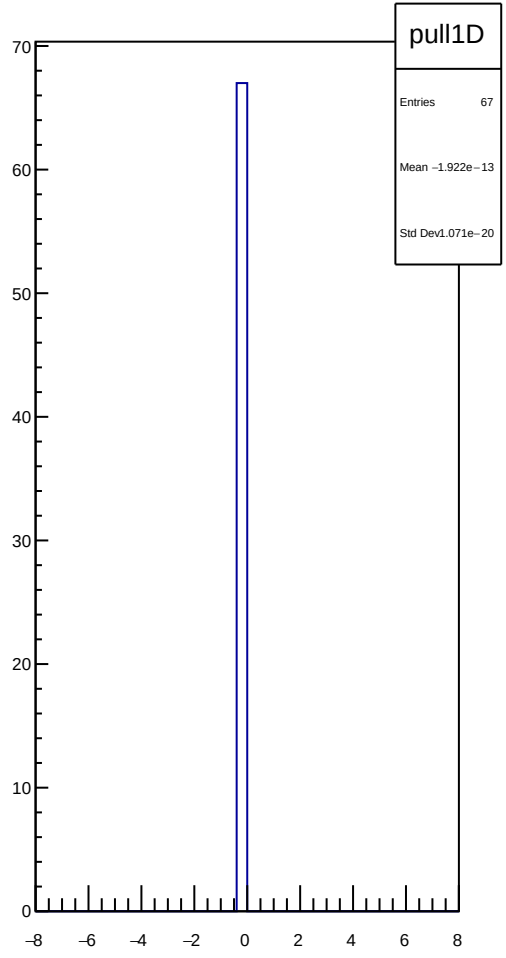

dit_sam7_4eY_slope vs run
χ^2 / ndf 3.522e−25 / 66
p0 −8.105 ± 0.005987
−8.06
−8.08
−8.1
−8.12
−8.14
−8.16
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−15


pull1D
Entries 67
Mean 7.25e−14
Std Dev 8.47e−22

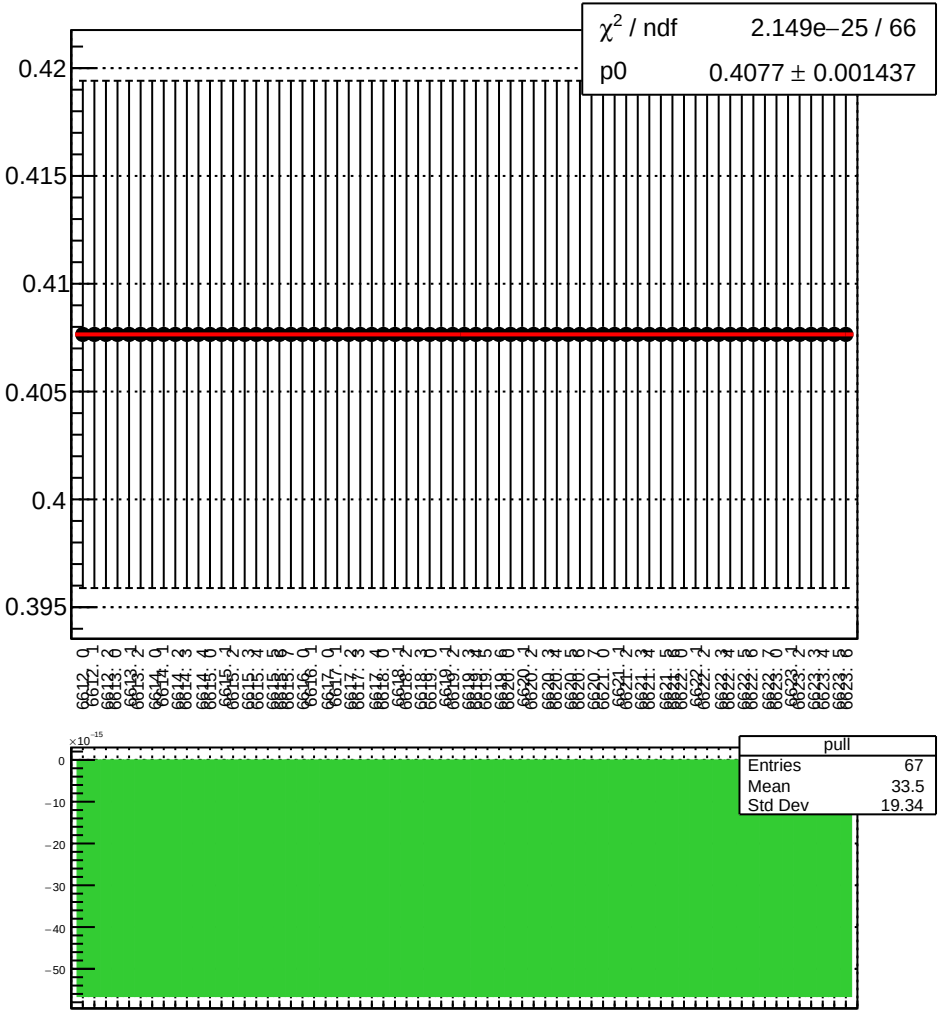

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.113e−25 / 66
p0 66.69 ± 0.1704
68
67.5
67
66.5
66
65.5
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^-15
40
35
30
25
20
15
10
5
0

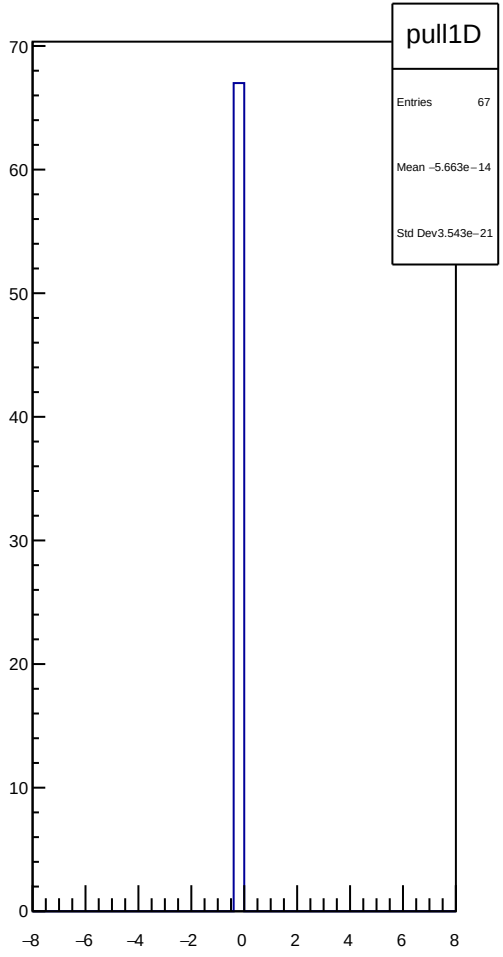

pull1D
Entries 67
Mean 4.076e−14
Std Dev 1.894e−21
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

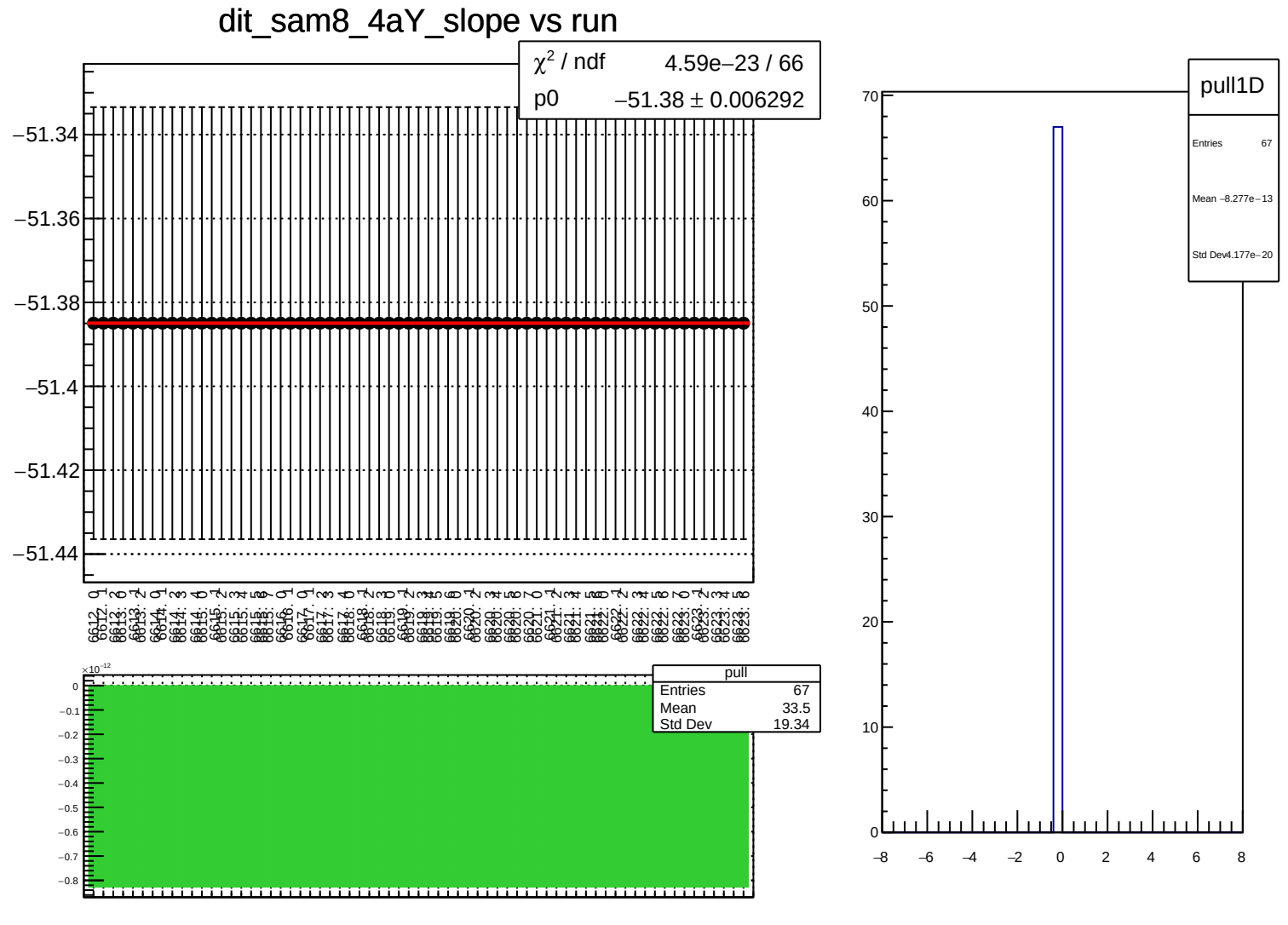

dit_sam8_4eX_slope vs run
χ² / ndf 2.475e−24 / 66
p0 −96.67 ± 0.1716
−95
−95.5
−96
−96.5
−97
−97.5
−98
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2


pull1D
Entries 67
Mean −1.922e−13
Std Dev1.071e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

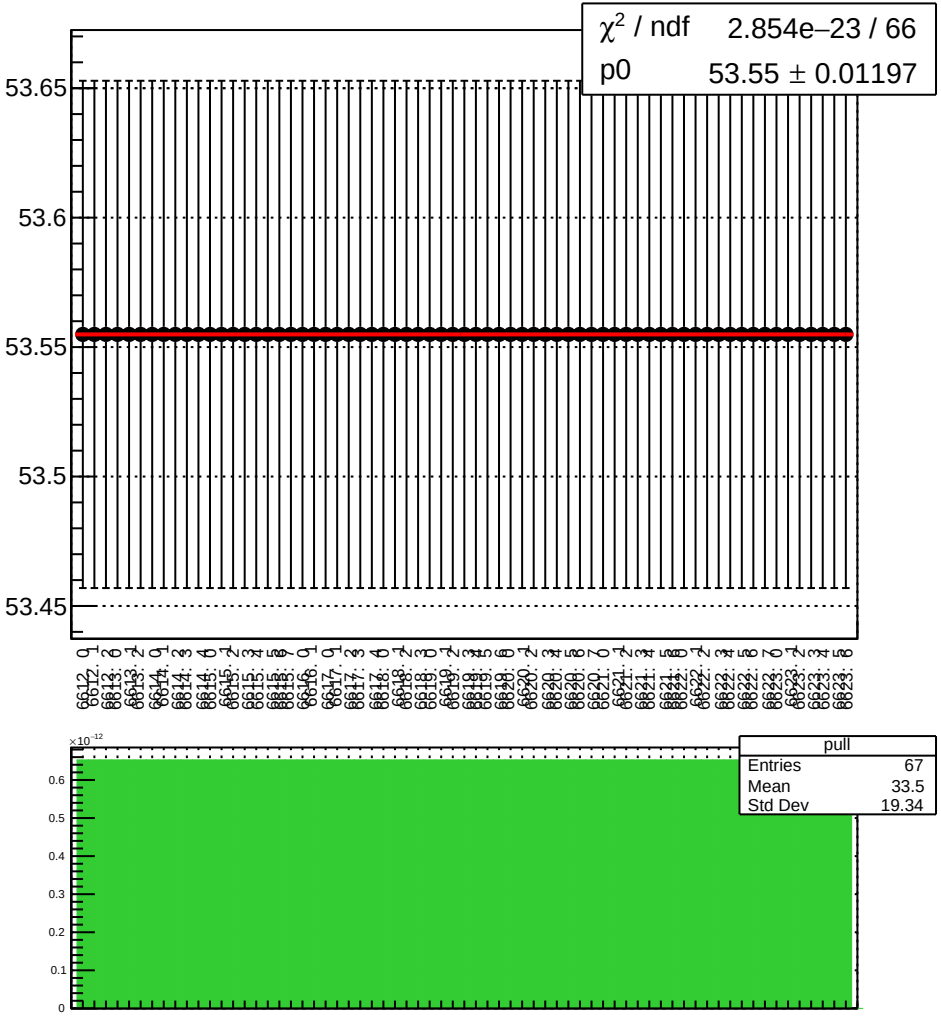
dit_sam8_11X12X_slope vs run

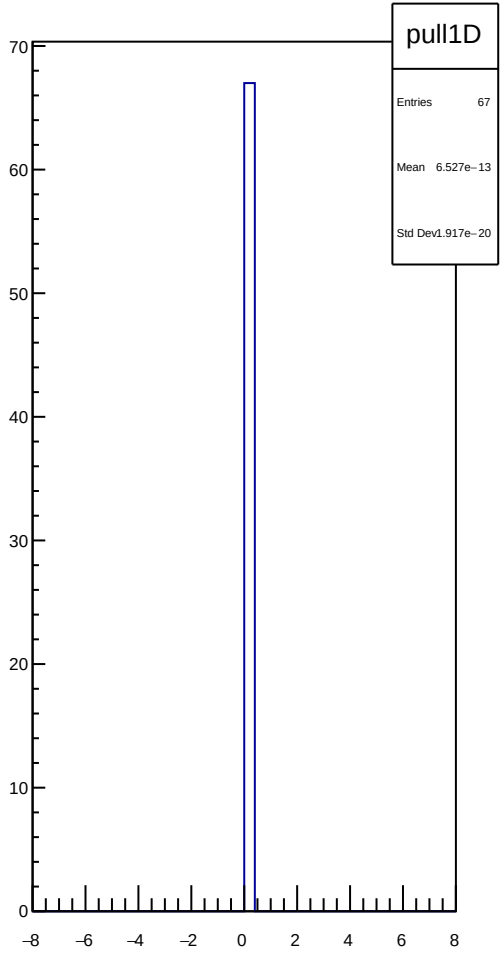


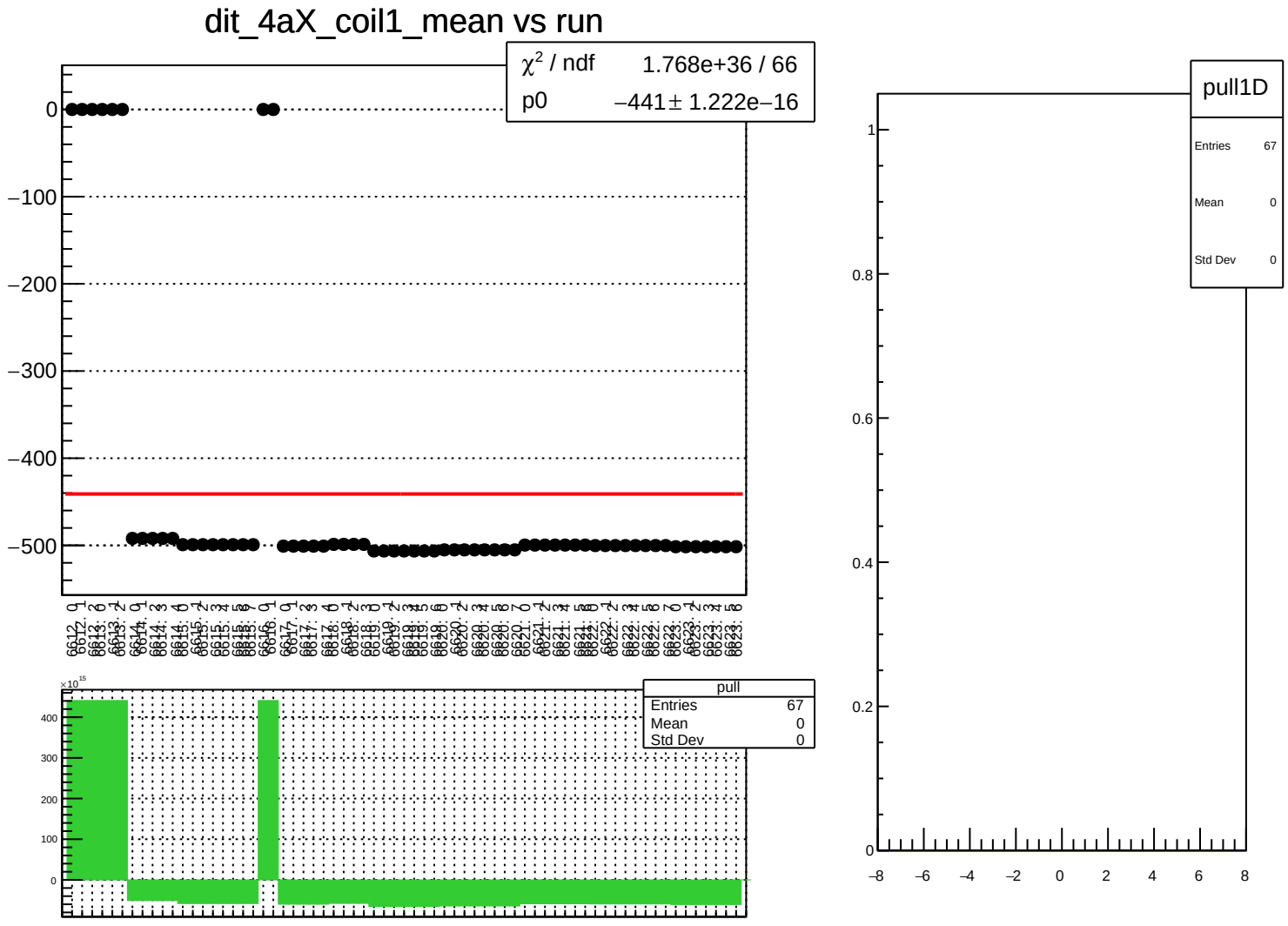



dit_sam8_4aY_slope vs run
χ^2 / ndf 4.59e−23 / 66
p0 −51.38 ± 0.006292
−51.34
−51.36
−51.38
−51.4
−51.42
−51.44
pull
Entries 67
Mean 33.5
Std Dev 19.34
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 67
Mean −8.277e−13
Std Dev 4.177e−20
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

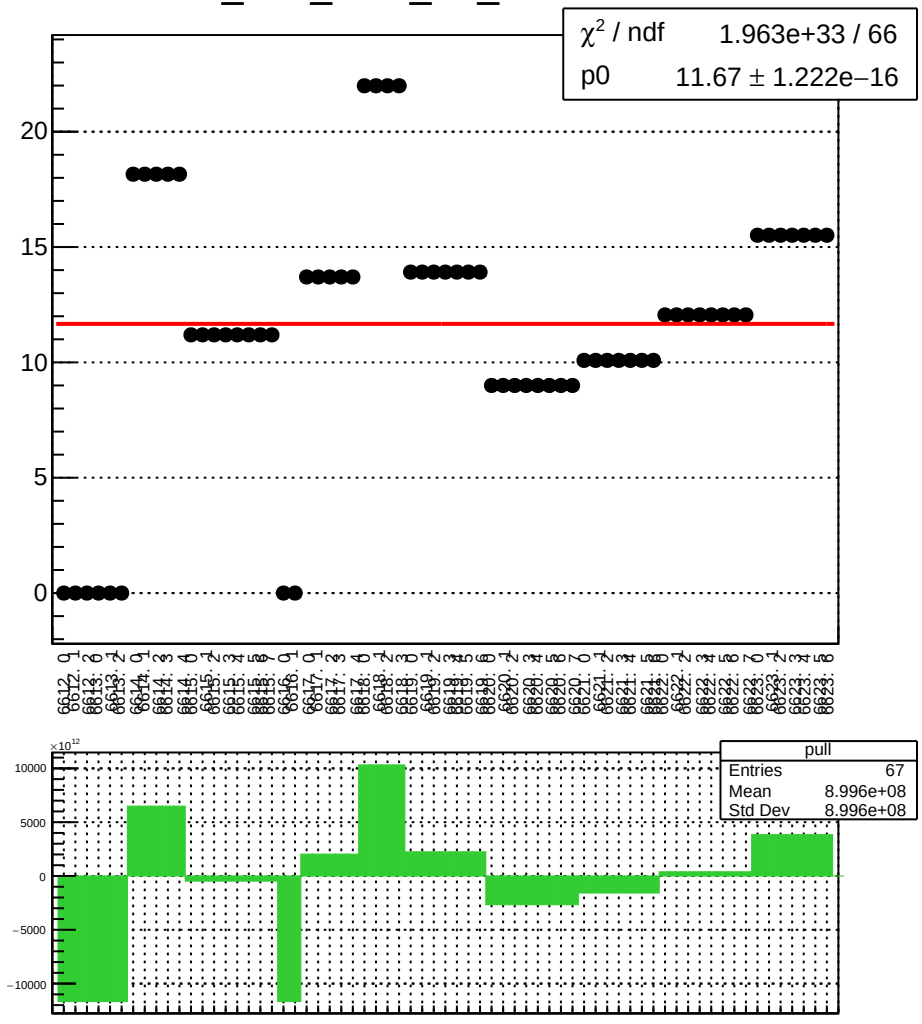
dit_sam8_4eY_slope vs run

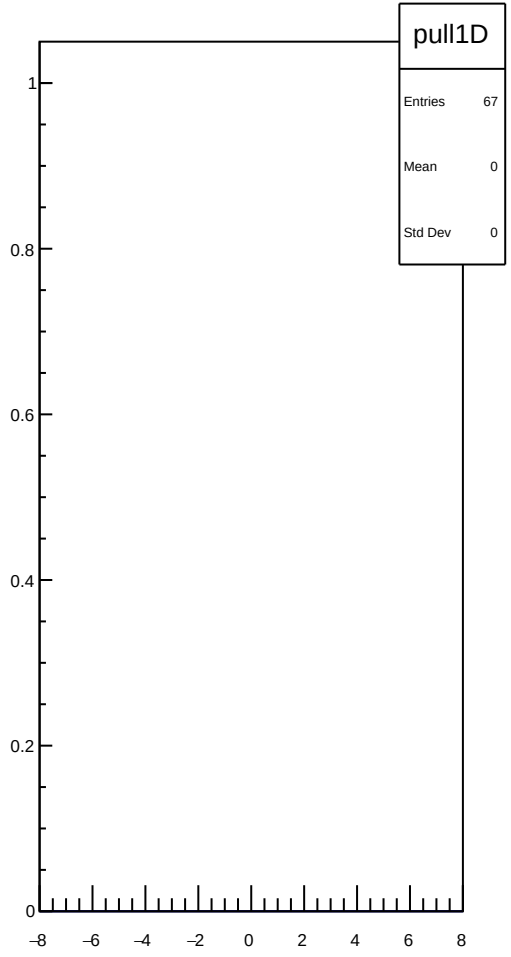




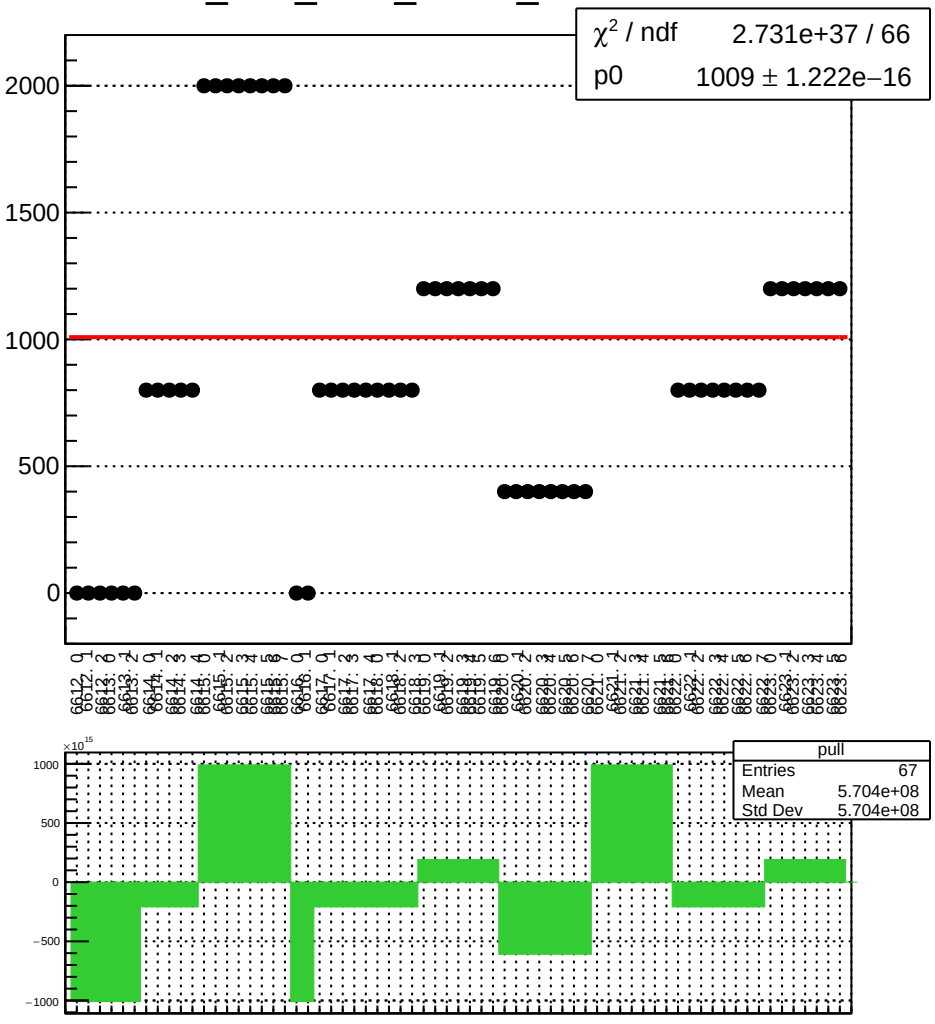

dit_4aX_coil1_mean vs run
χ² / ndf 1.768e+36 / 66
p0 −441 ± 1.222e−16
0
−100
−200
−300
−400
−500
pull
Entries 67
Mean 0
Std Dev 0
×10¹⁵
400
300
200
100
0
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

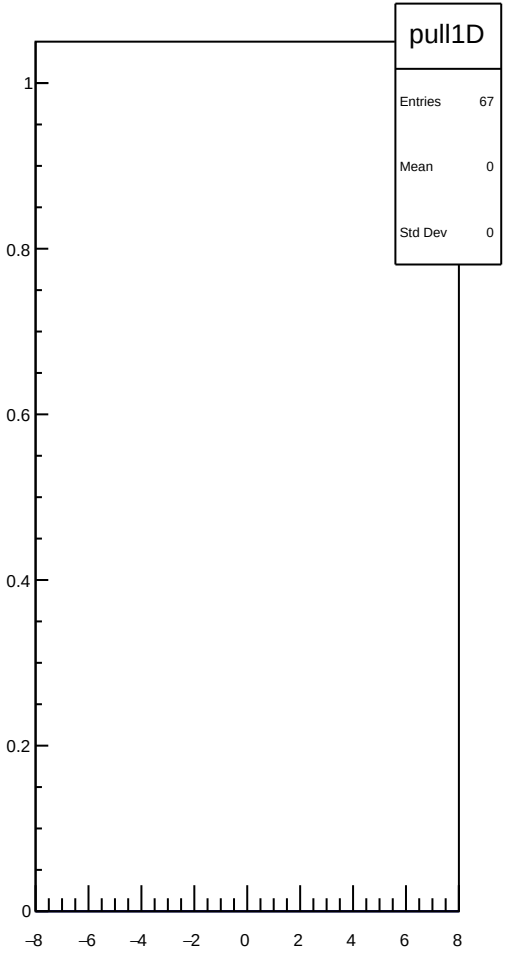
dit_4aX_coil1_err_mean vs run

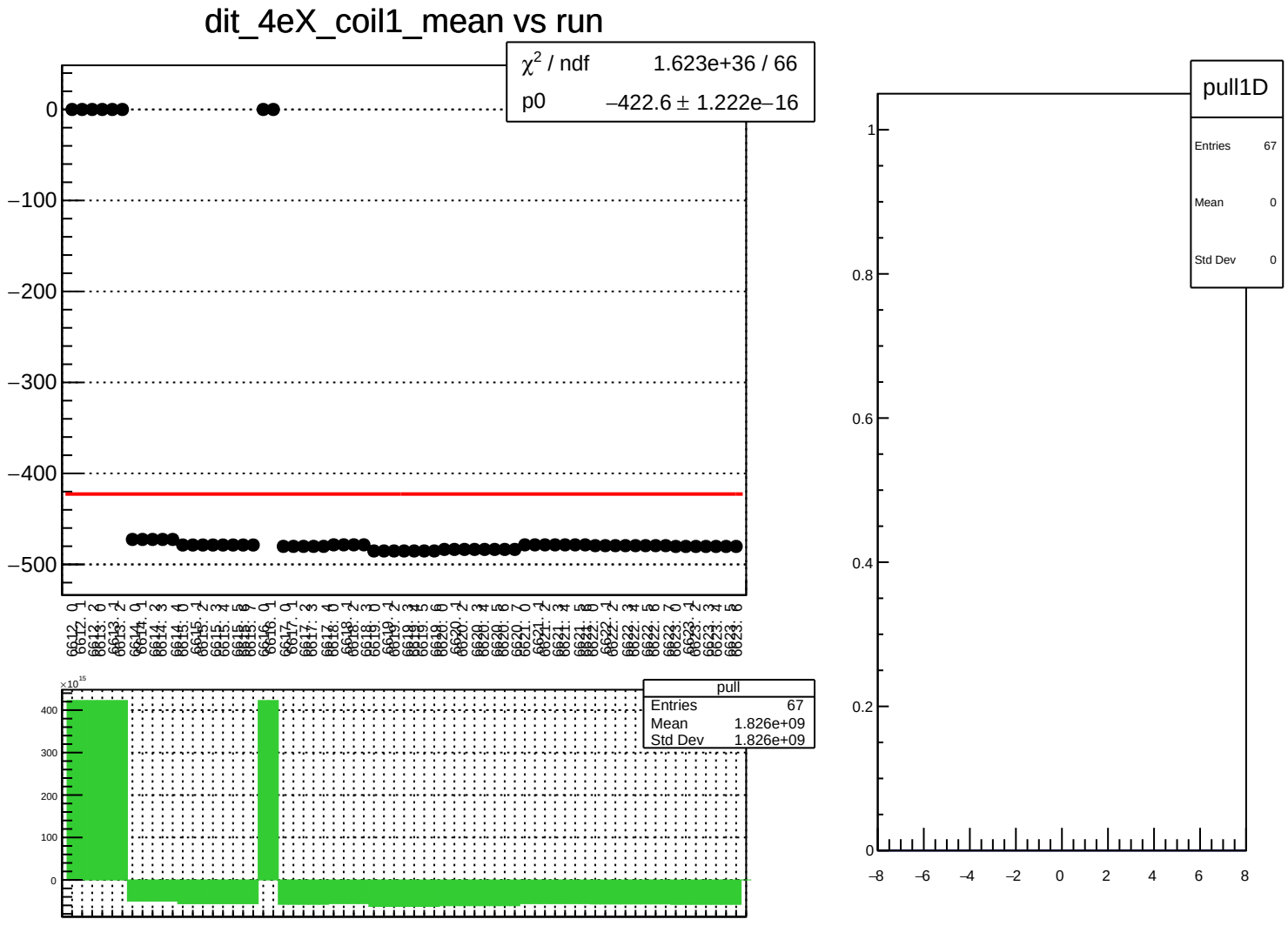




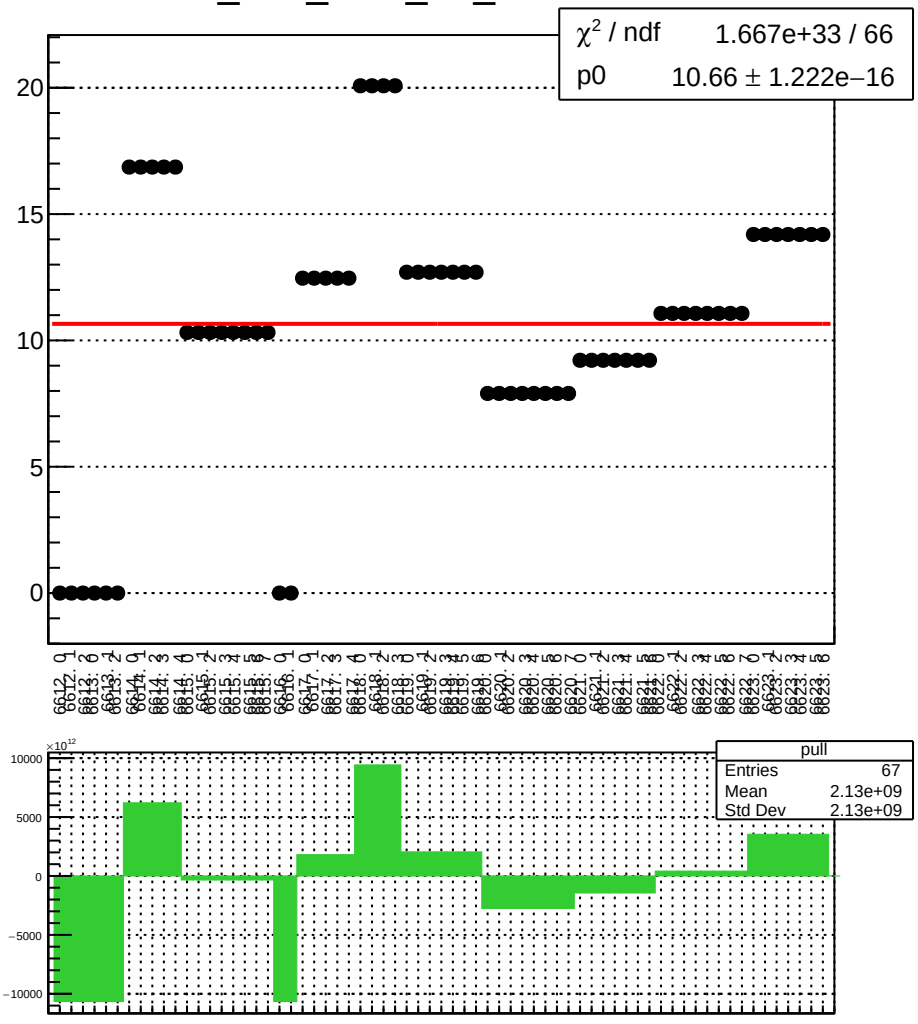
dit_4aX_coil1_Ndata_mean vs run

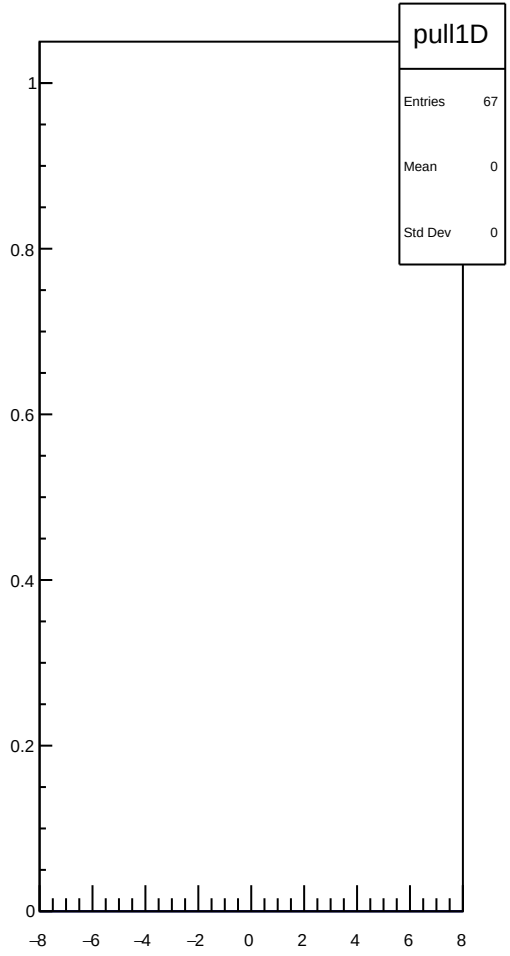




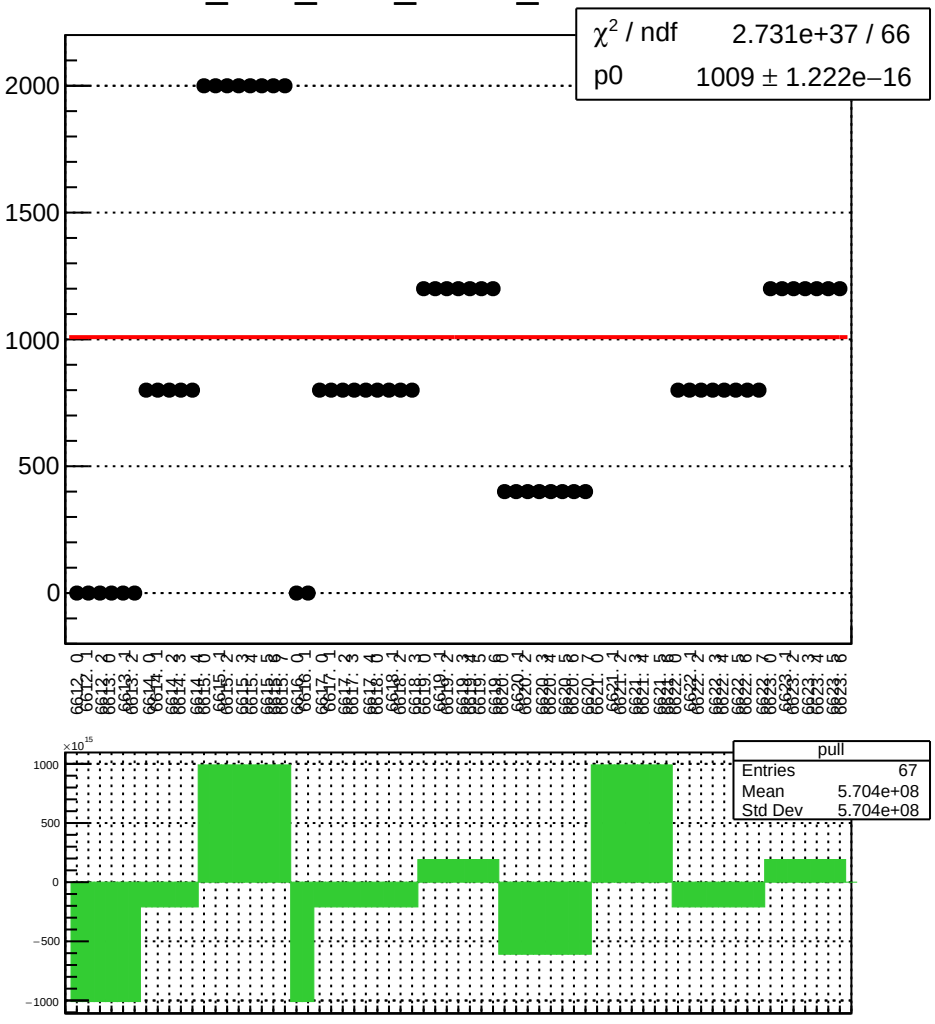

dit_4eX_coil1_mean vs run
χ² / ndf 1.623e+36 / 66
p0 −422.6 ± 1.222e−16
0
−100
−200
−300
−400
−500
pull
Entries 67
Mean 1.826e+09
Std Dev 1.826e+09
×10¹⁵
400
300
200
100
0
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

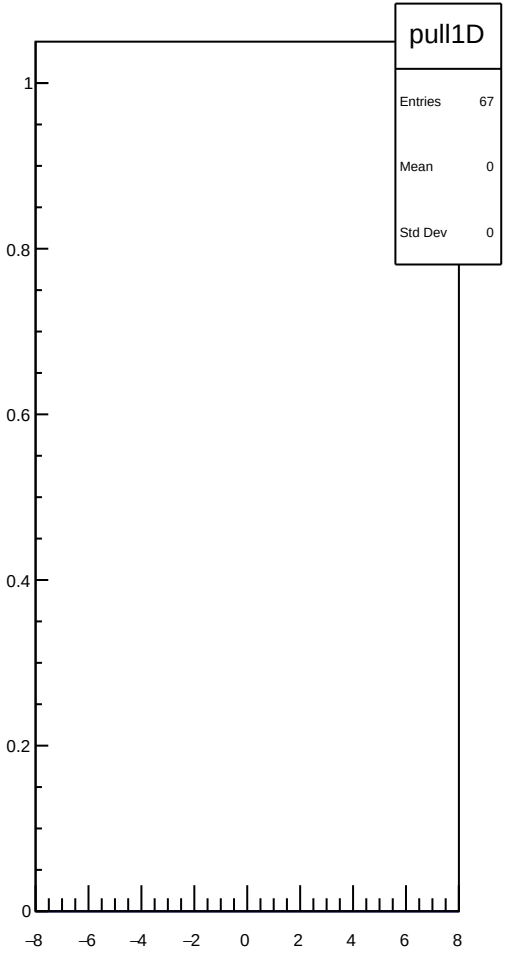
dit_4eX_coil1_err_mean vs run



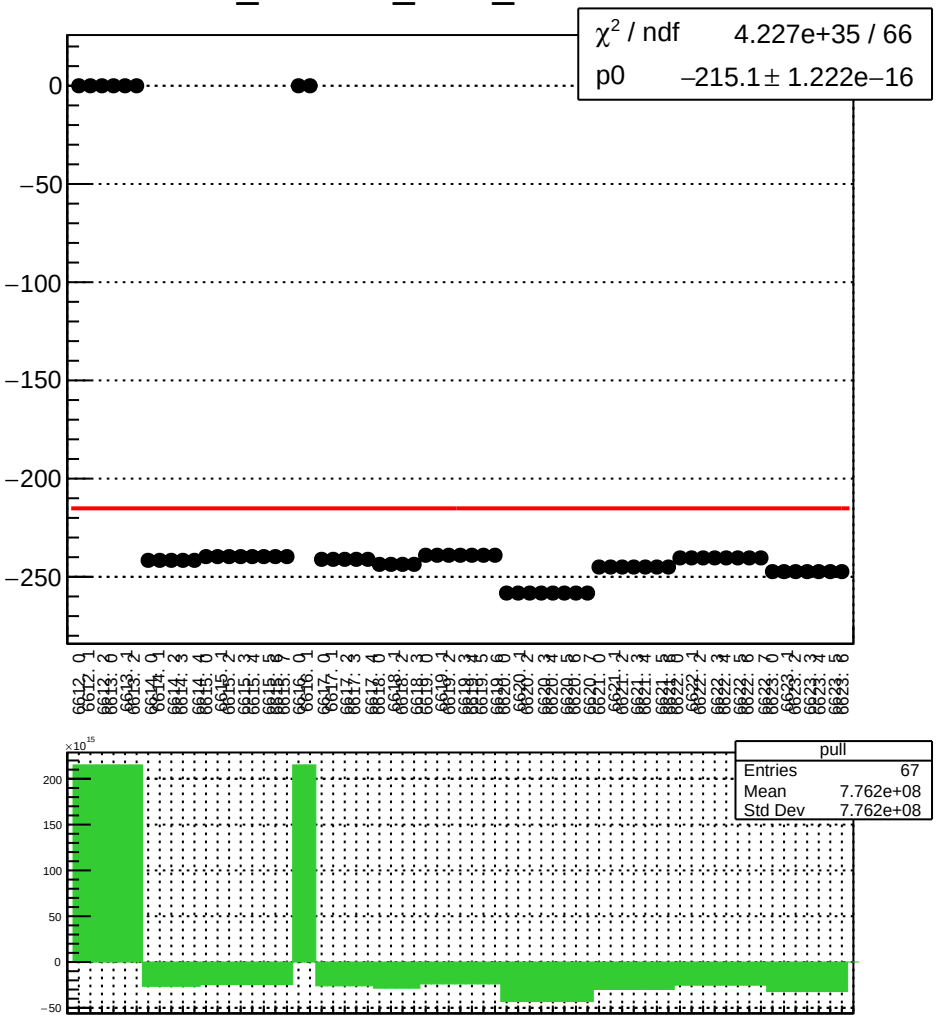


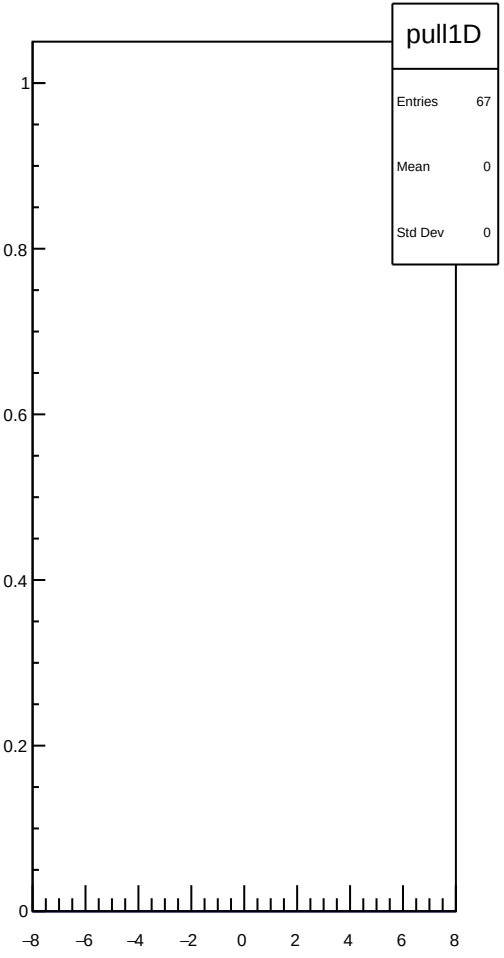
dit_4eX_coil1_Ndata_mean vs run



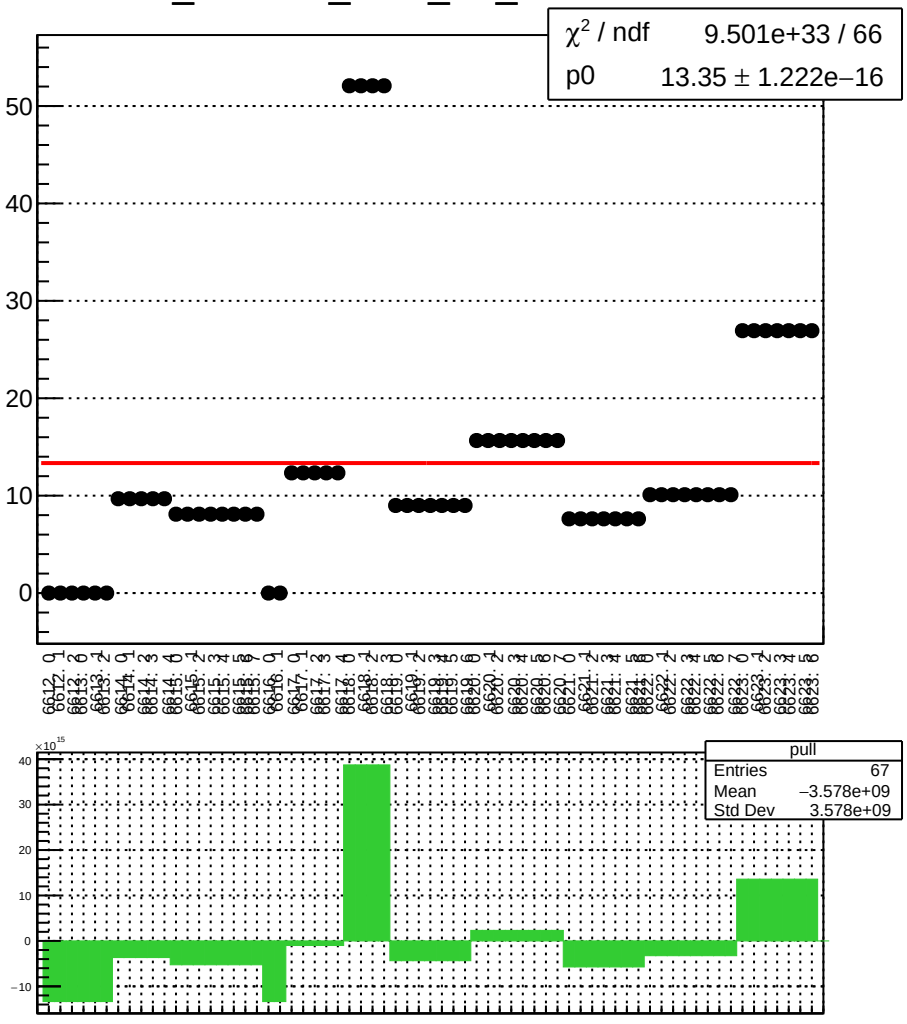


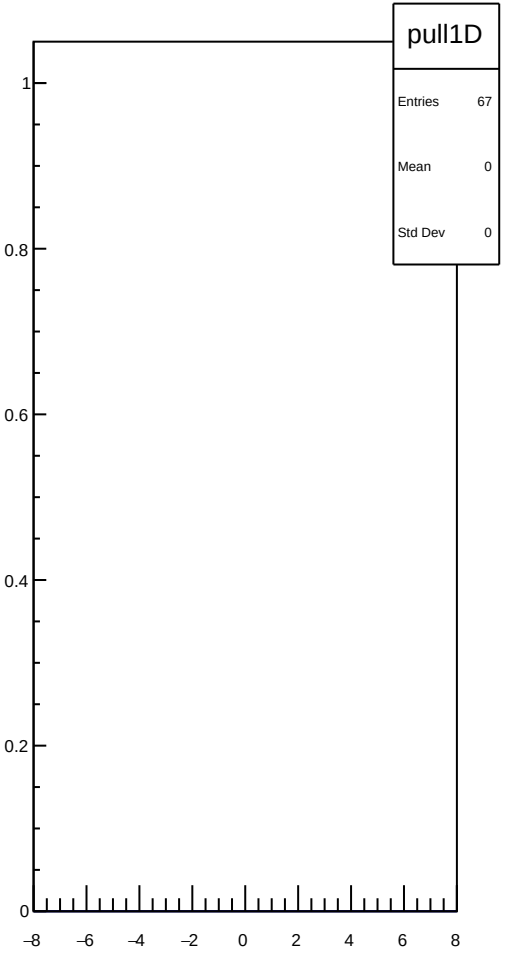
dit_11X12X_coil1_mean vs run



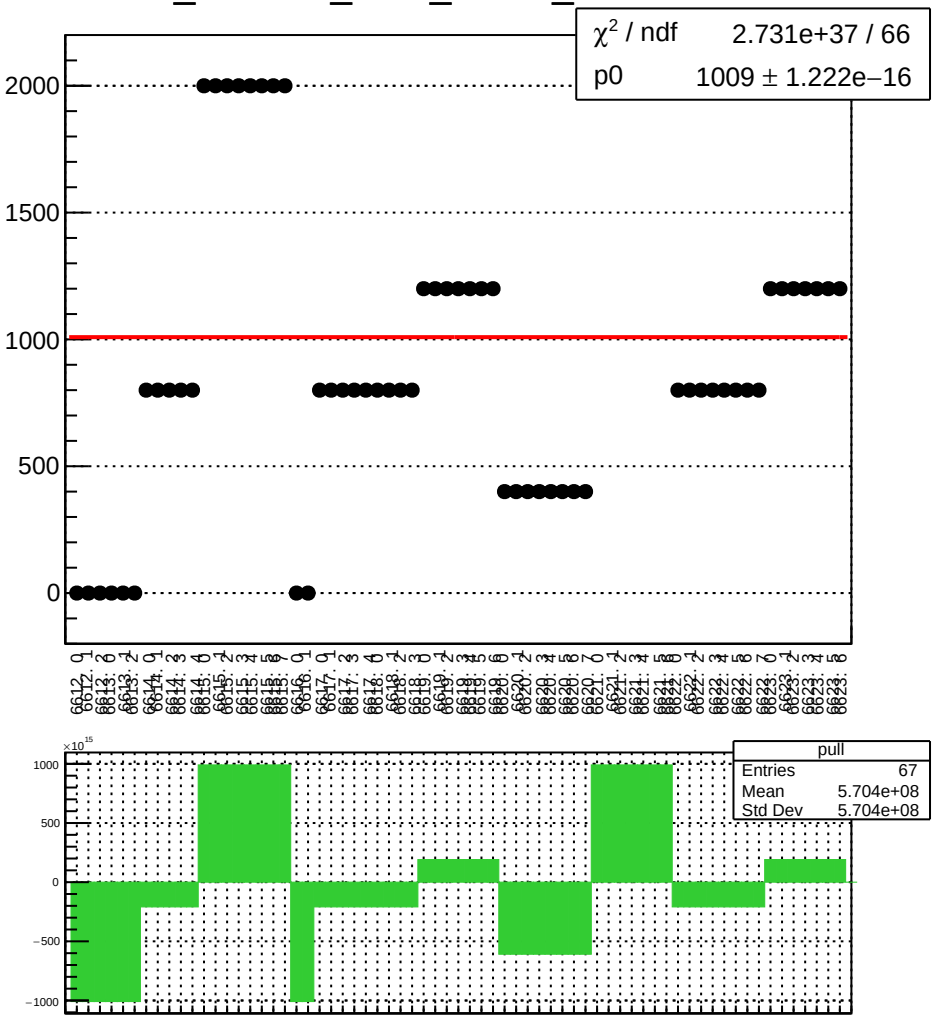


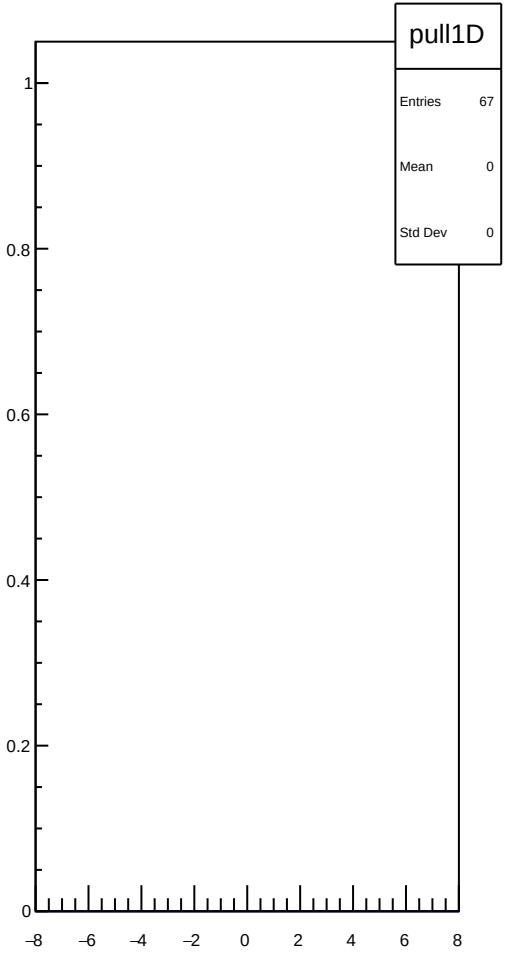
dit_11X12X_coil1_err_mean vs run

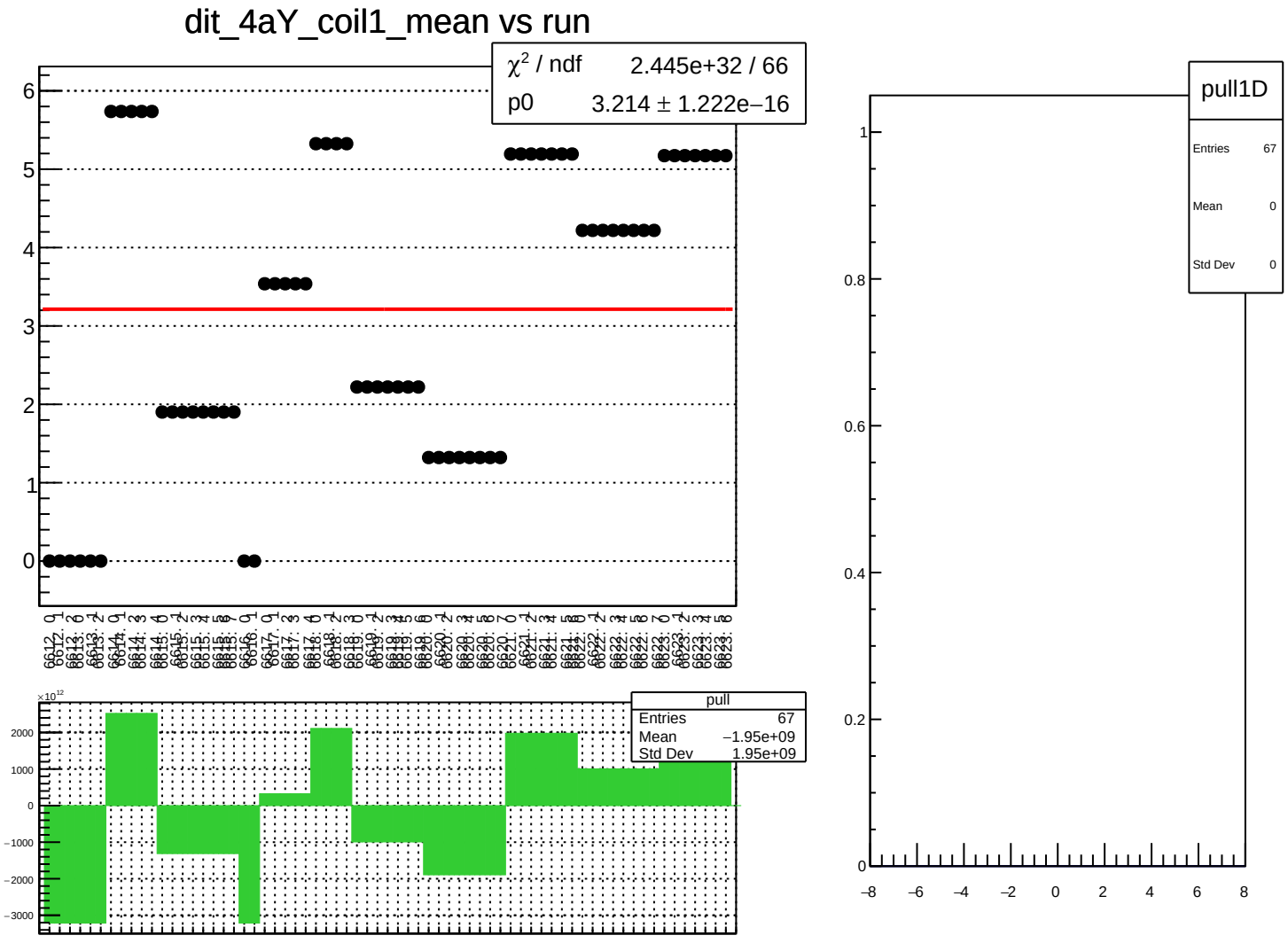


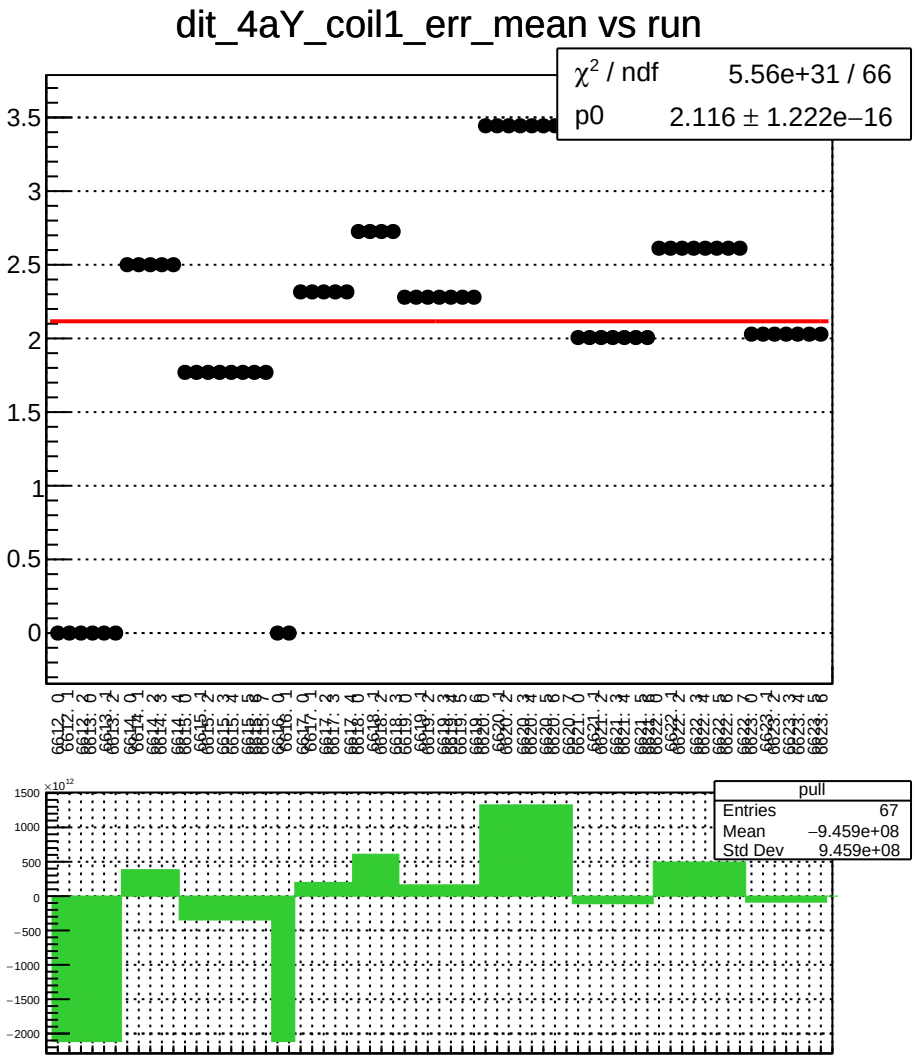


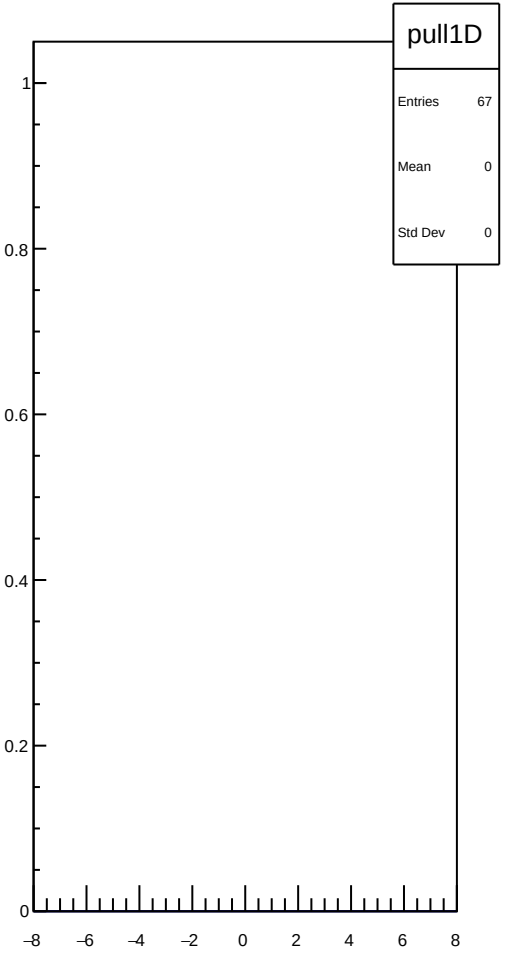
dit_11X12X_coil1_Ndata_mean vs run



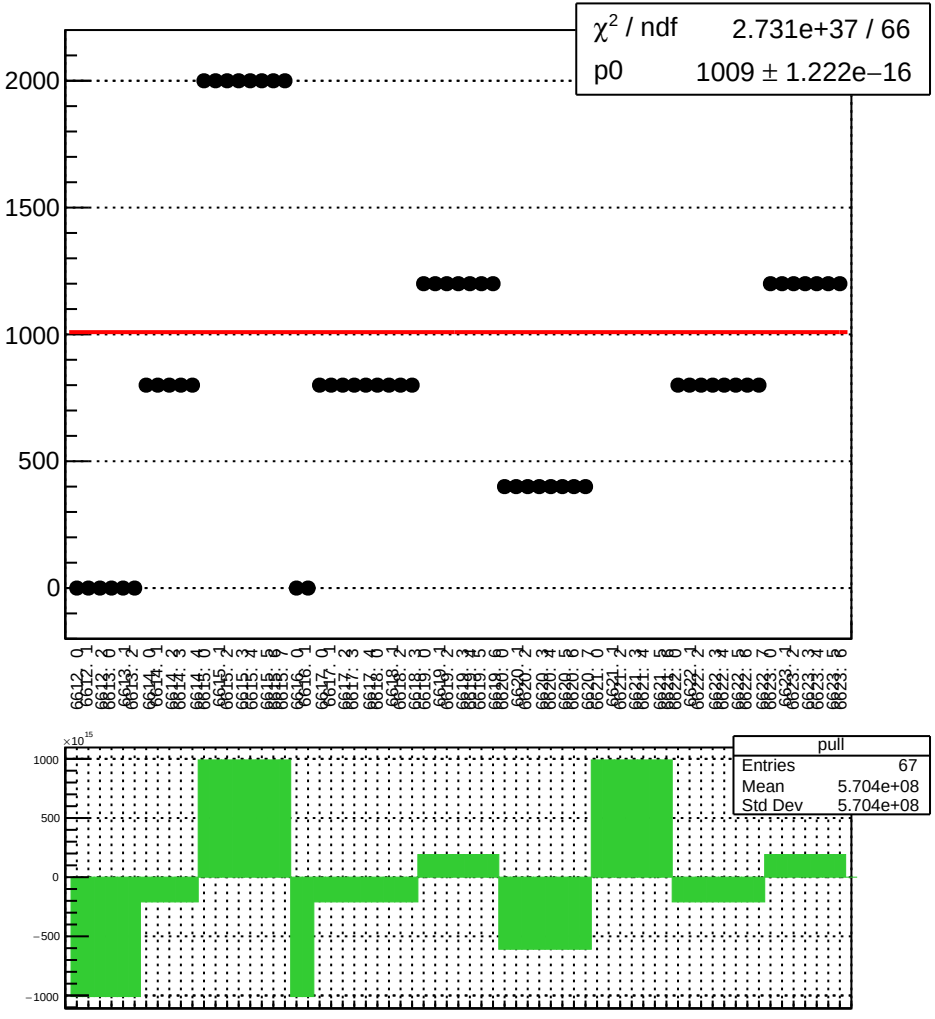


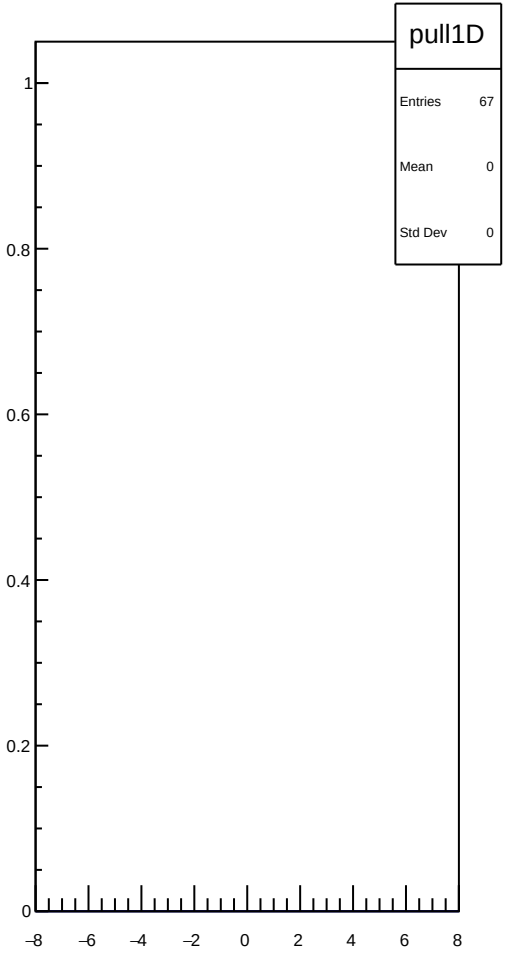

dit_4aY_coil1_mean vs run
χ² / ndf 2.445e+32 / 66
p0 3.214 ± 1.222e−16
pull
Entries 67
Mean −1.95e+09
Std Dev 1.95e+09
pull1D
Entries 67
Mean 0
Std Dev 0

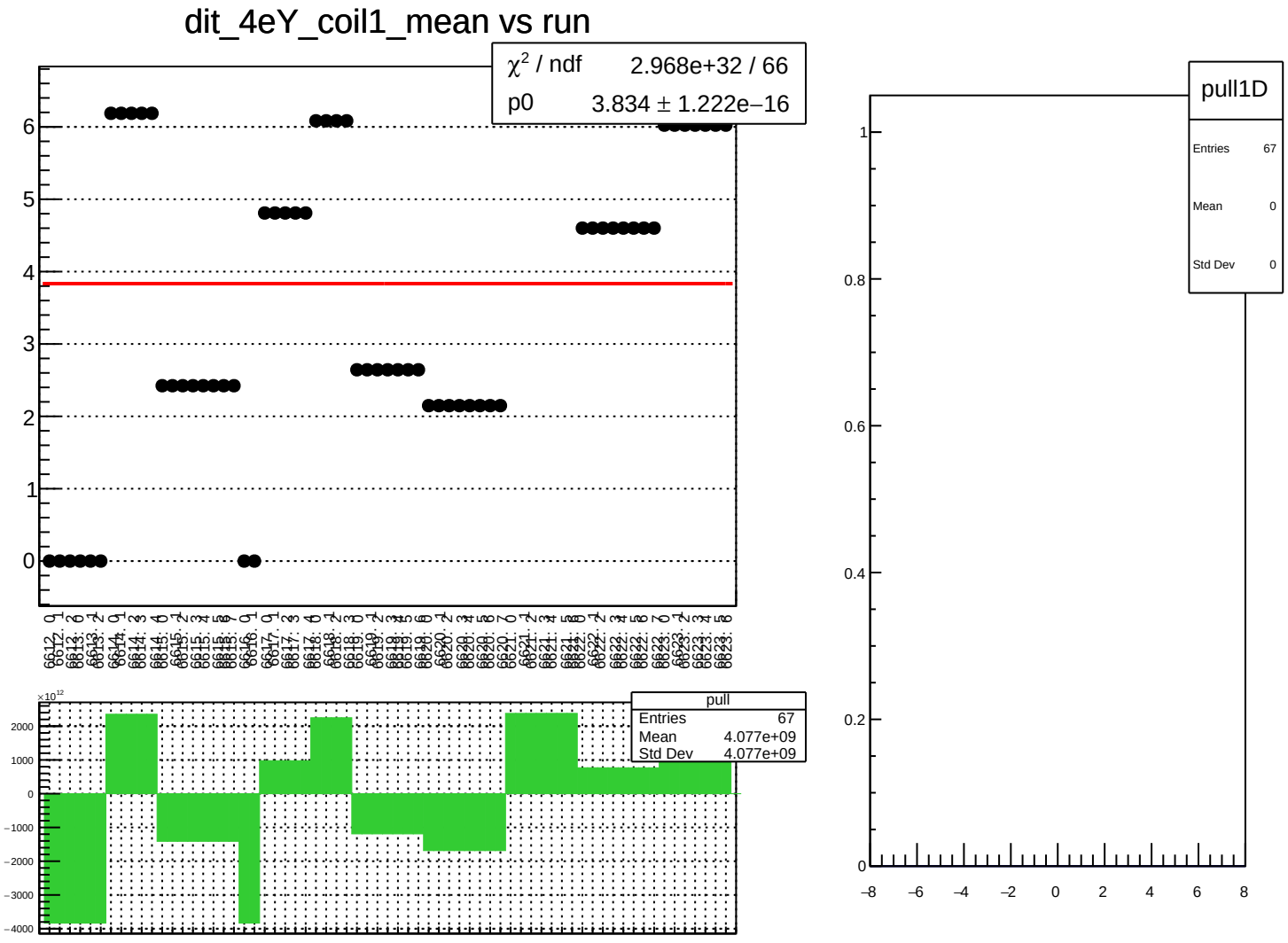

dit_4aY_coil1_err_mean vs run
χ^2 / ndf 5.56e+31 / 66
p0 2.116 ± 1.222e−16
pull
Entries 67
Mean −9.459e+08
Std Dev 9.459e+08

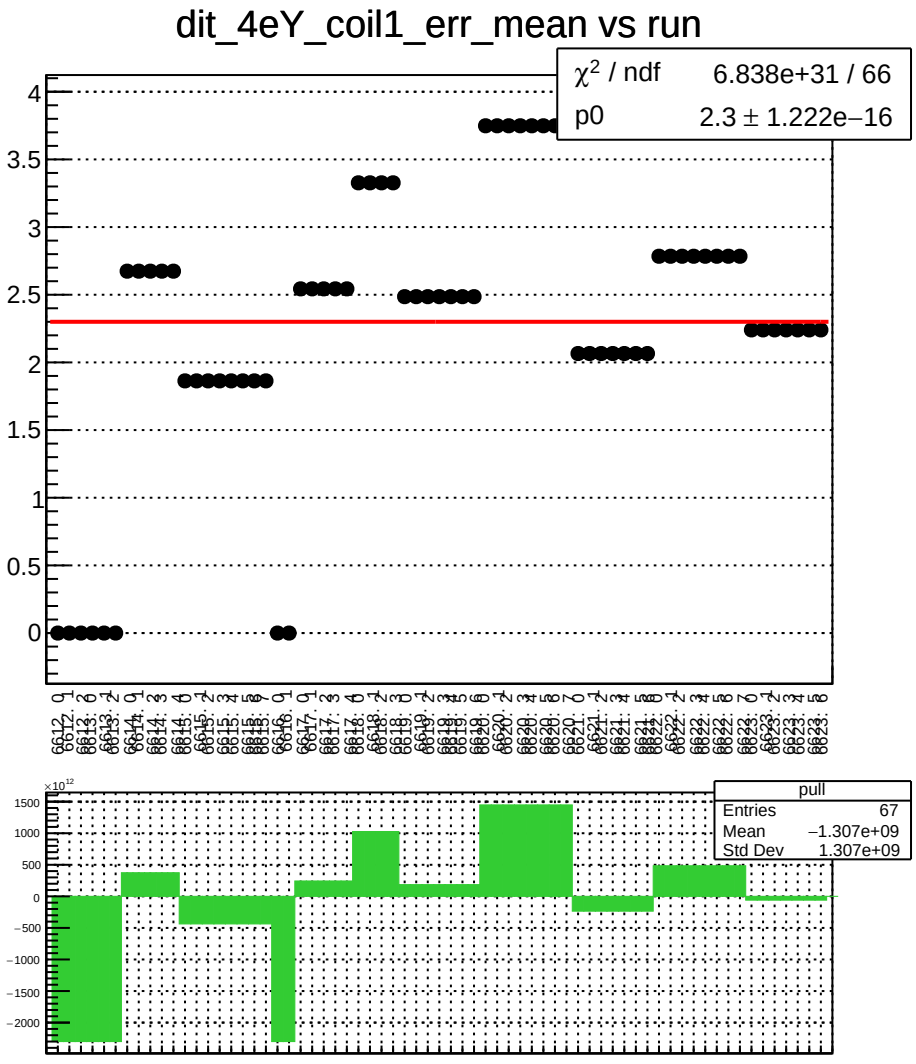

pull1D
Entries 67
Mean 0
Std Dev 0

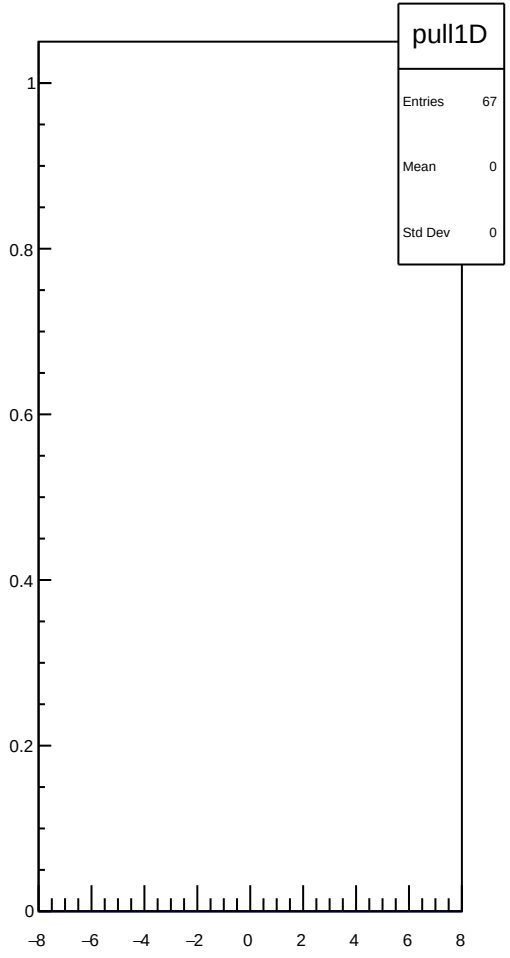
dit_4aY_coil1_Ndata_mean vs run

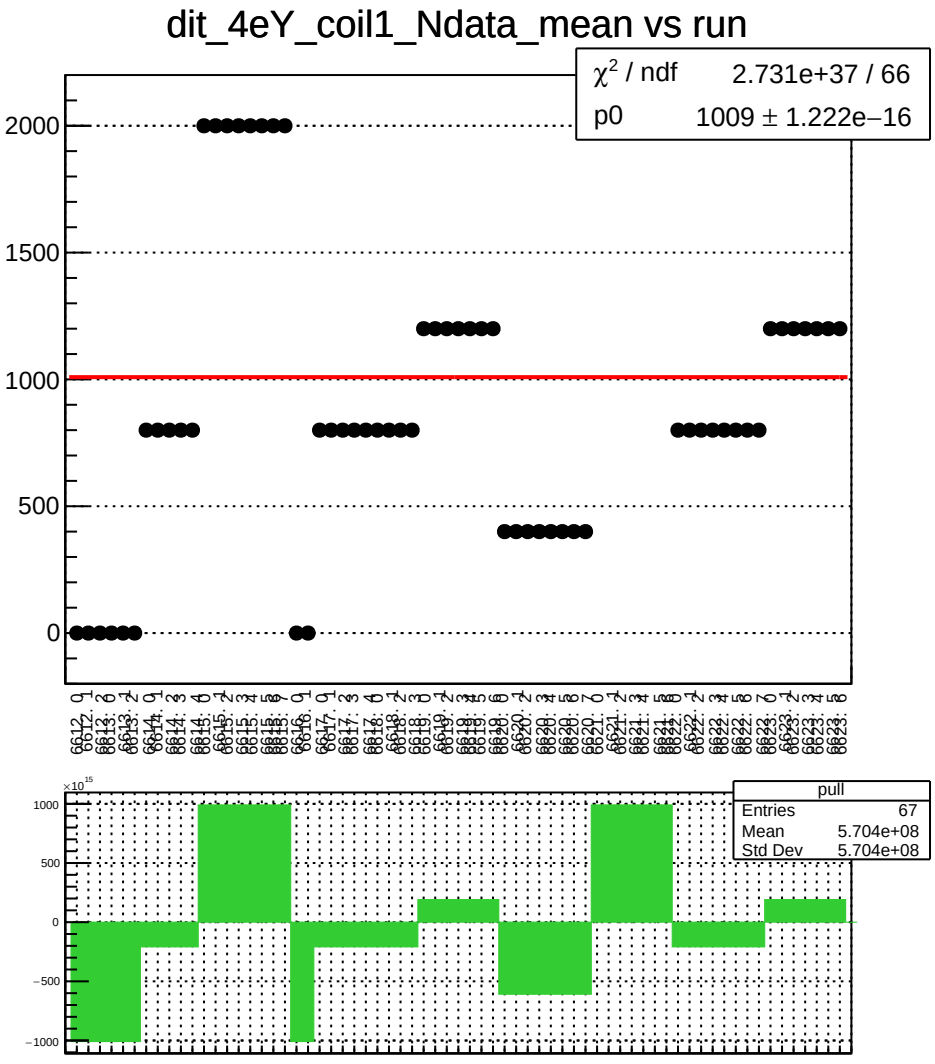


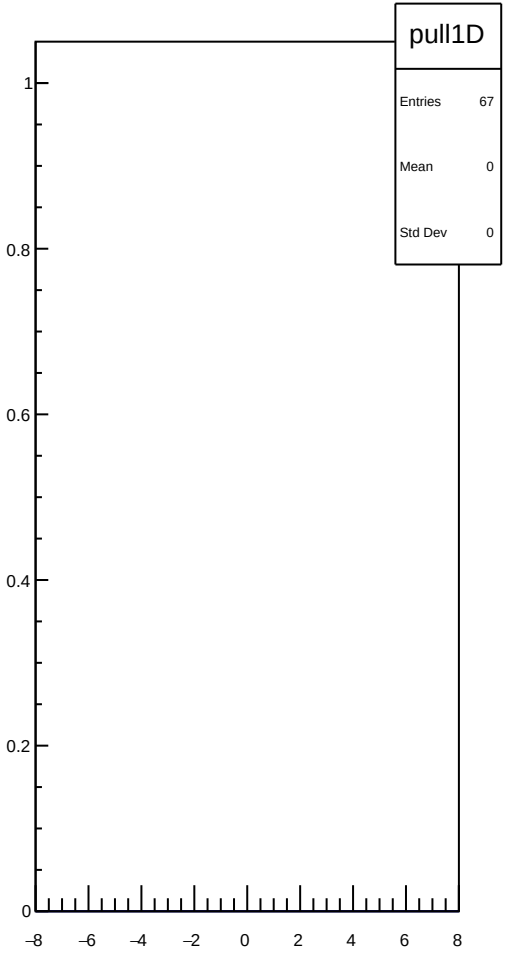


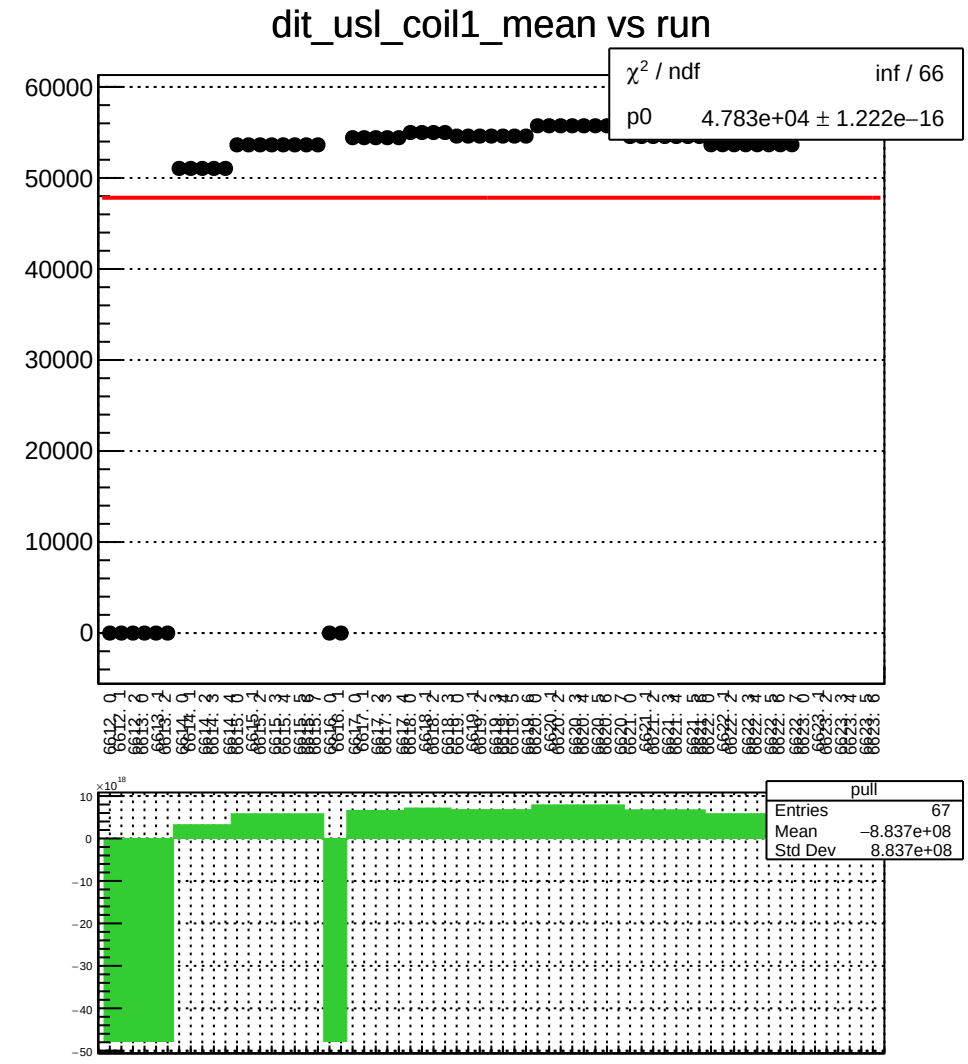

dit_4eY_coil1_mean vs run
χ^2 / ndf 2.968e+32 / 66
p0 3.834 ± 1.222e−16
pull
Entries 67
Mean 4.077e+09
Std Dev 4.077e+09
pull1D
Entries 67
Mean 0
Std Dev 0

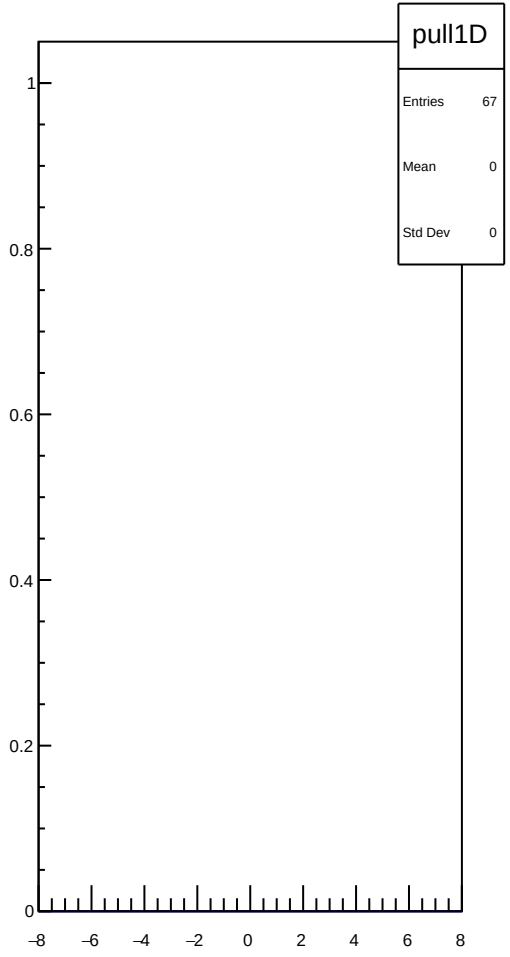

dit_4eY_coil1_err_mean vs run
χ² / ndf 6.838e+31 / 66
p0 2.3 ± 1.222e−16
pull
Entries 67
Mean −1.307e+09
Std Dev 1.307e+09


pull1D
Entries 67
Mean 0
Std Dev 0

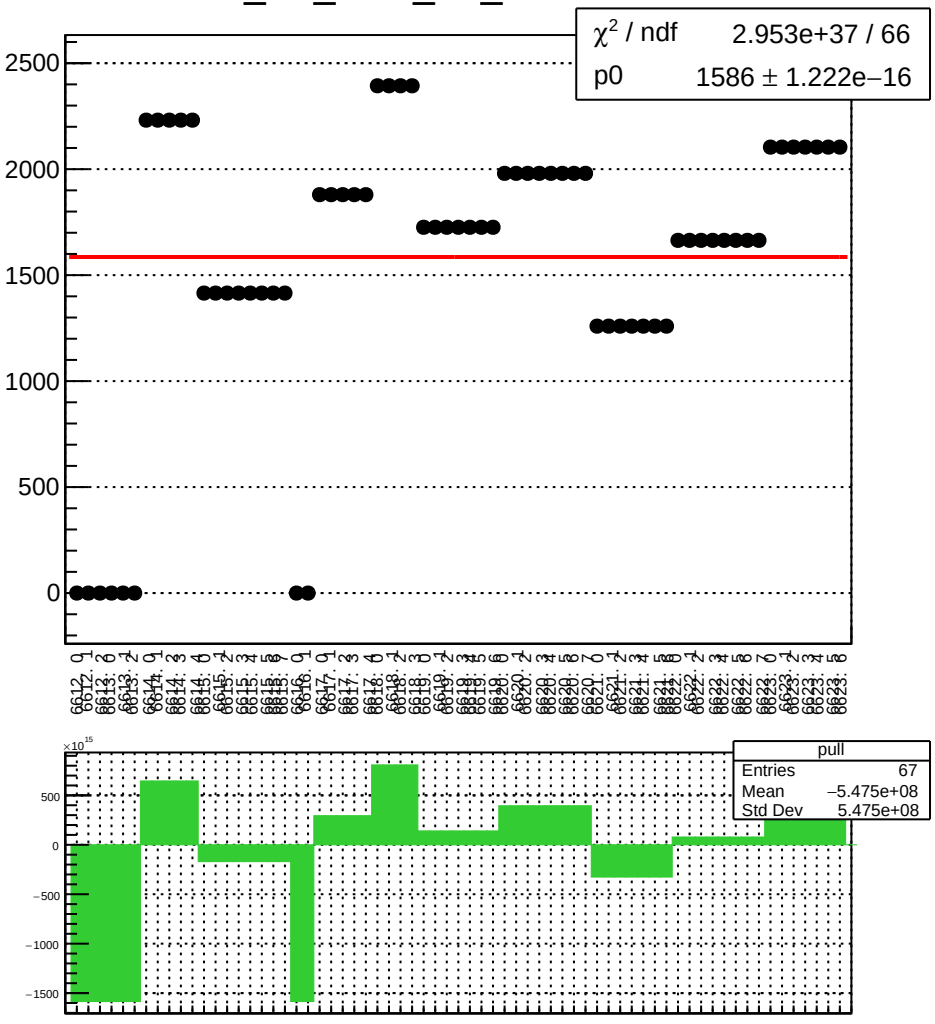

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10¹⁵
1000
500
0
−500
−1000

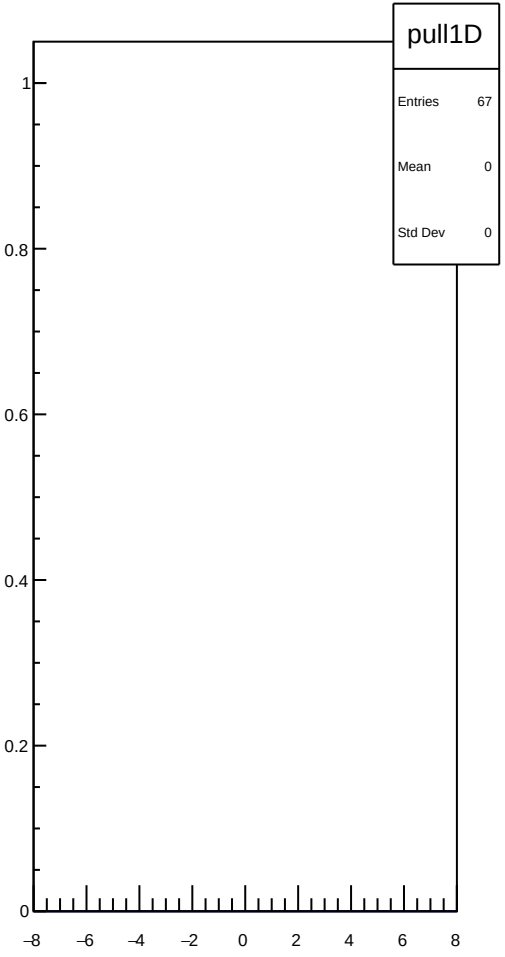

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

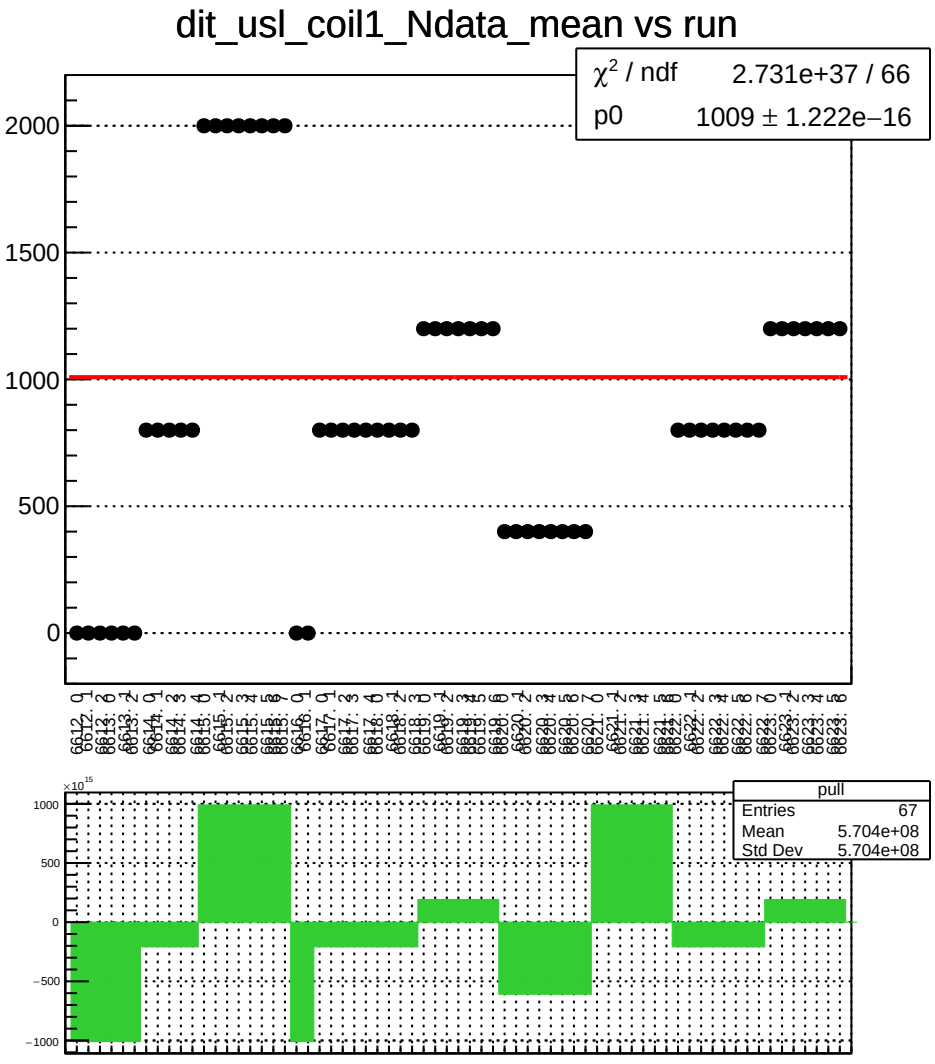

dit_usl_coil1_mean vs run
χ² / ndf inf / 66
p0 4.783e+04 ± 1.222e−16
pull
Entries 67
Mean −8.837e+08
Std Dev 8.837e+08

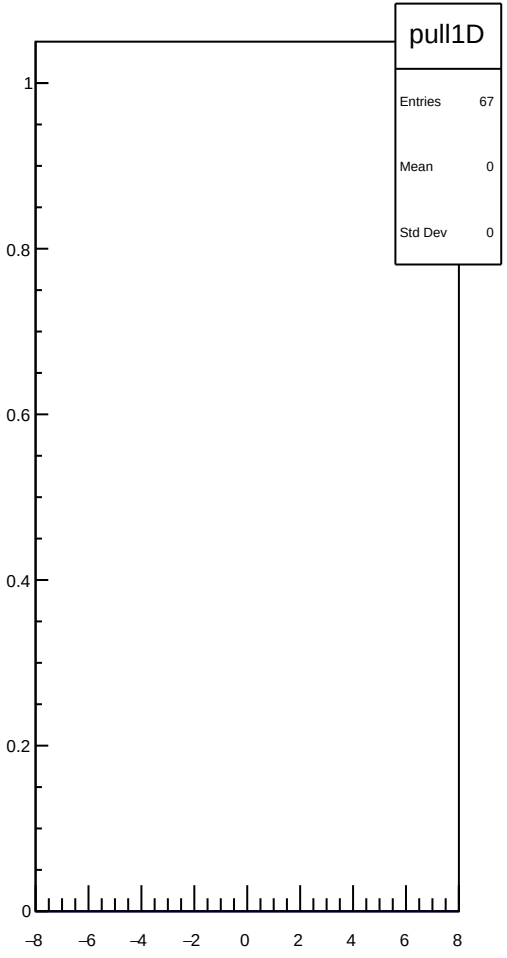

pull1D
Entries 67
Mean 0
Std Dev 0

dit_usl_coil1_err_mean vs run

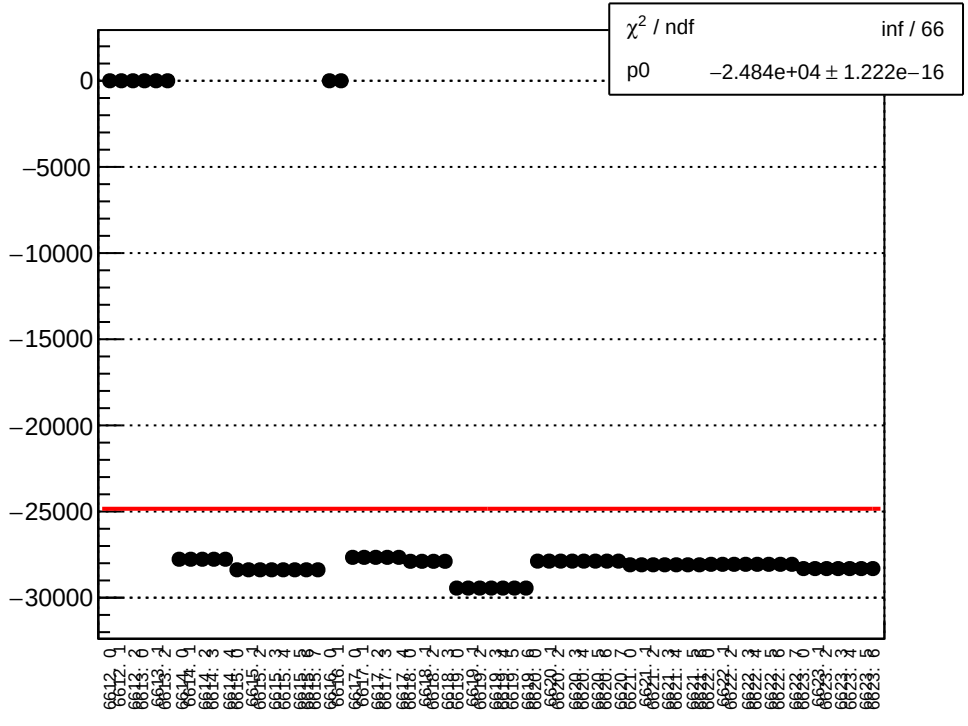


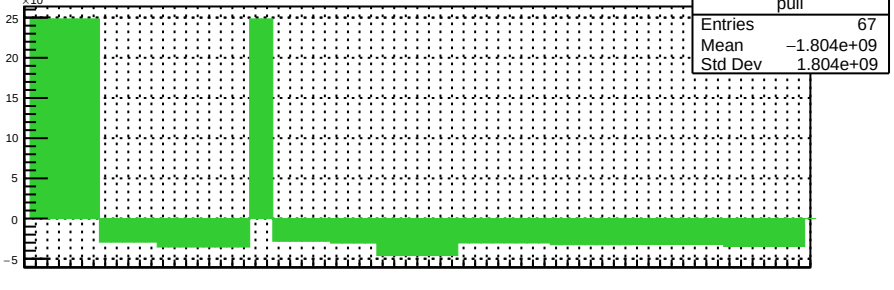


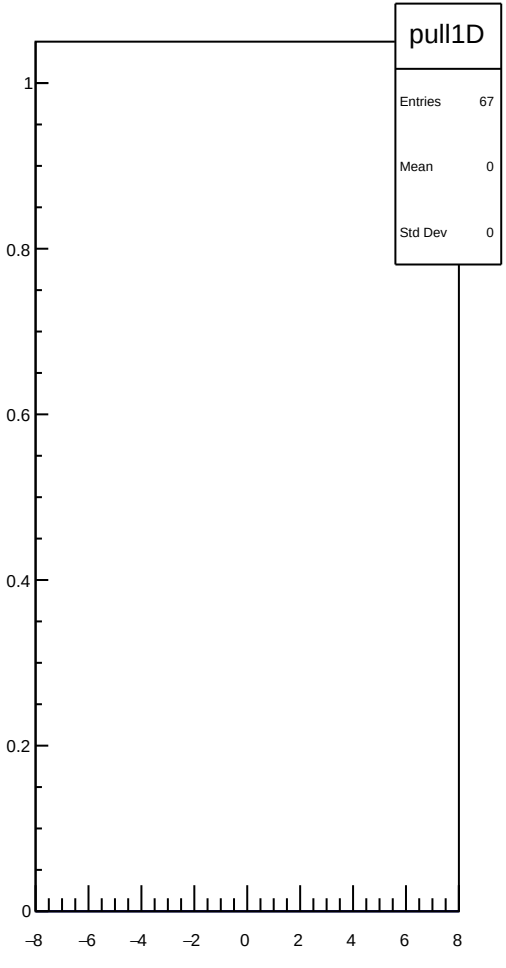

dit_usl_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000

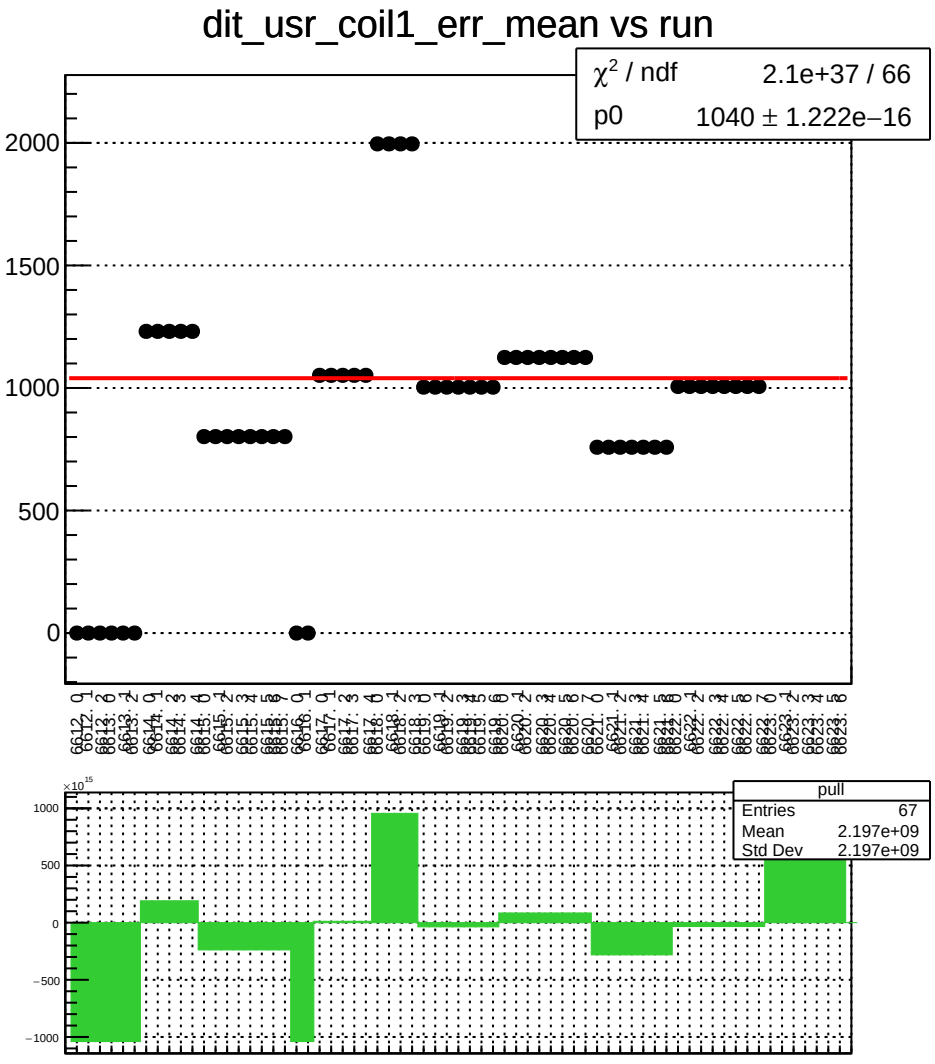

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

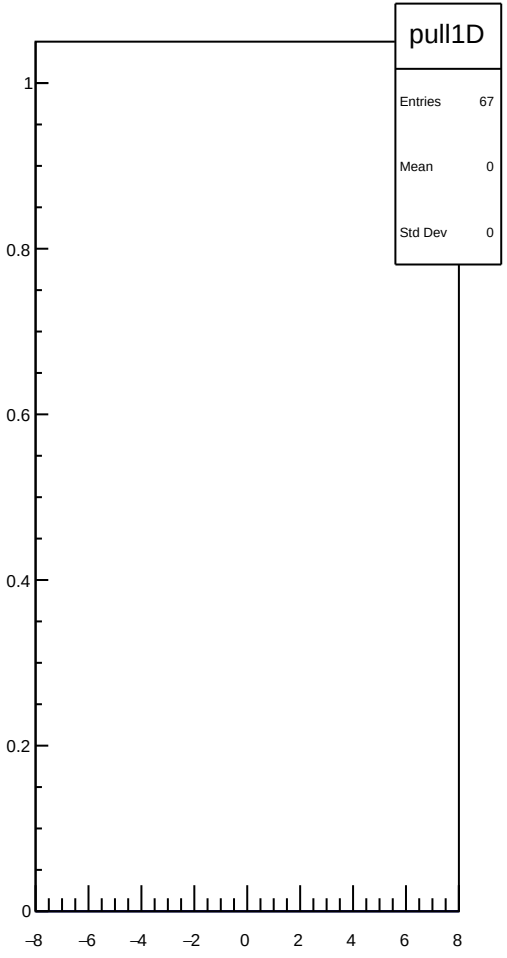
dit_usr_coil1_mean vs run

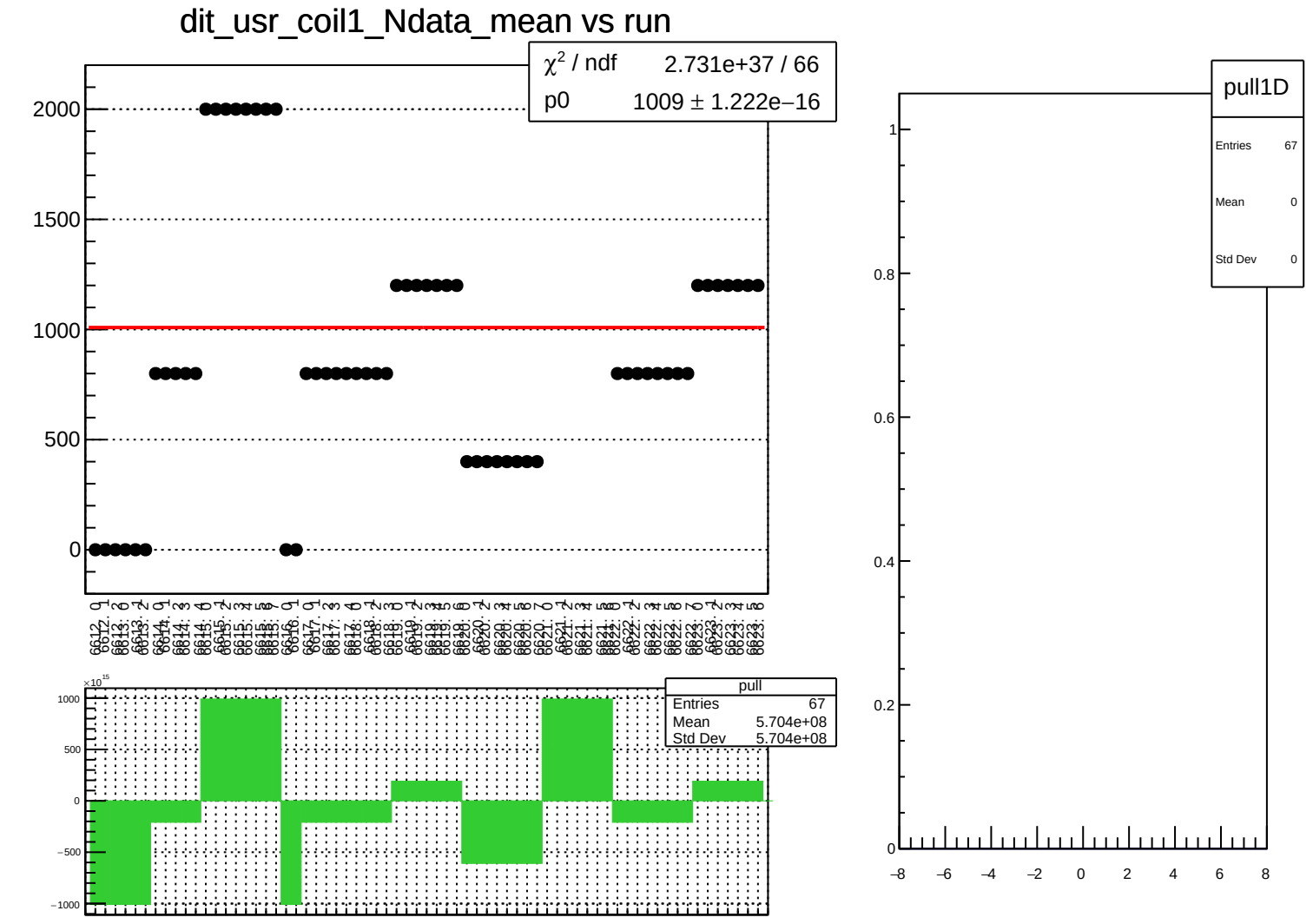


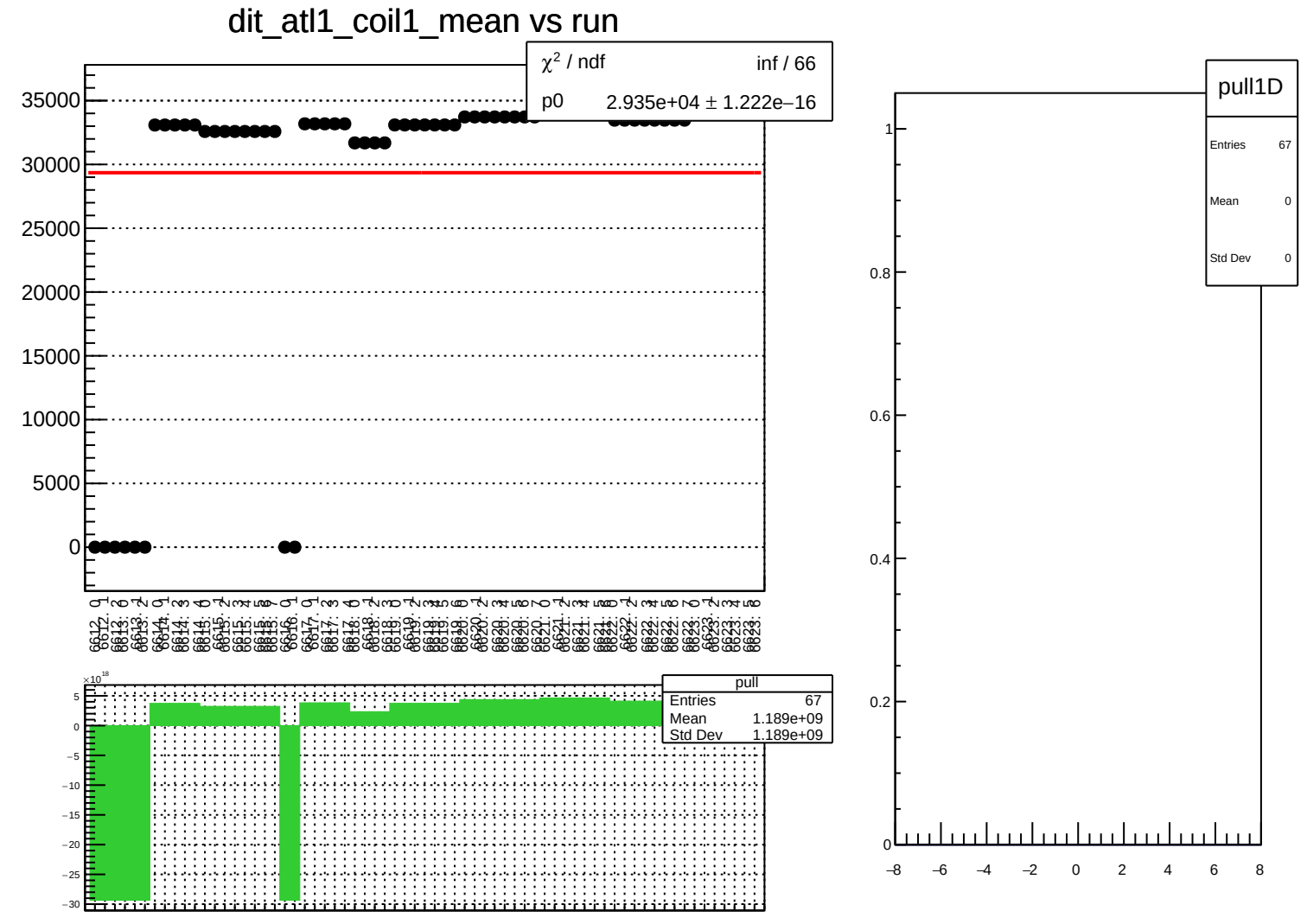




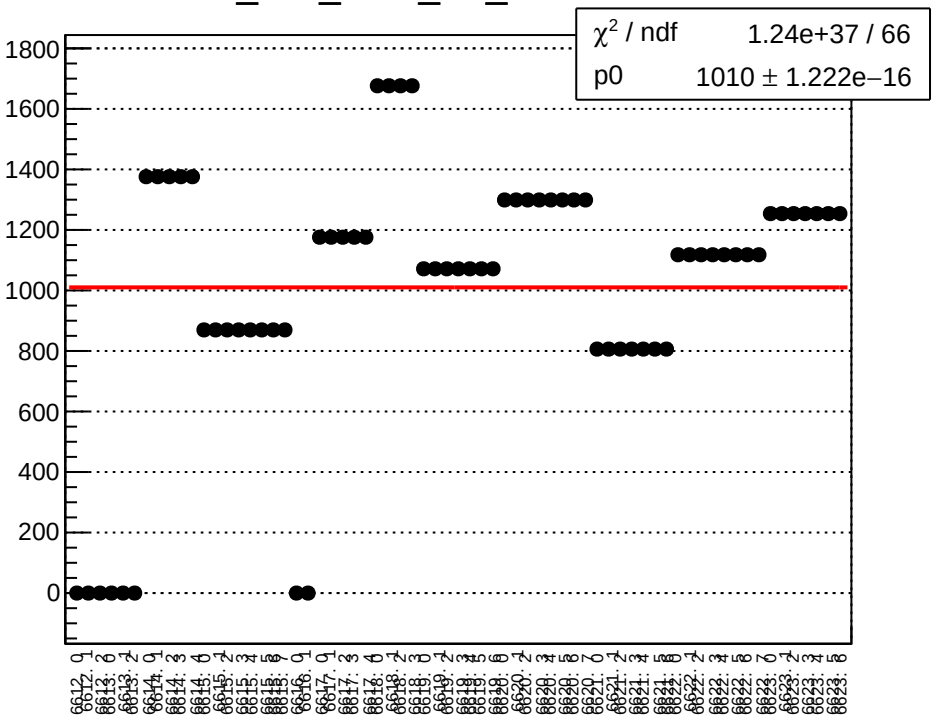

dit_usr_coil1_err_mean vs run
χ² / ndf 2.1e+37 / 66
p0 1040 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.197e+09
Std Dev 2.197e+09
1000
500
0
−500
−1000

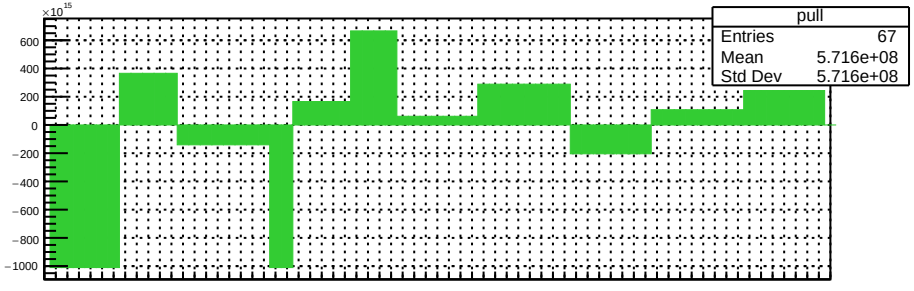

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

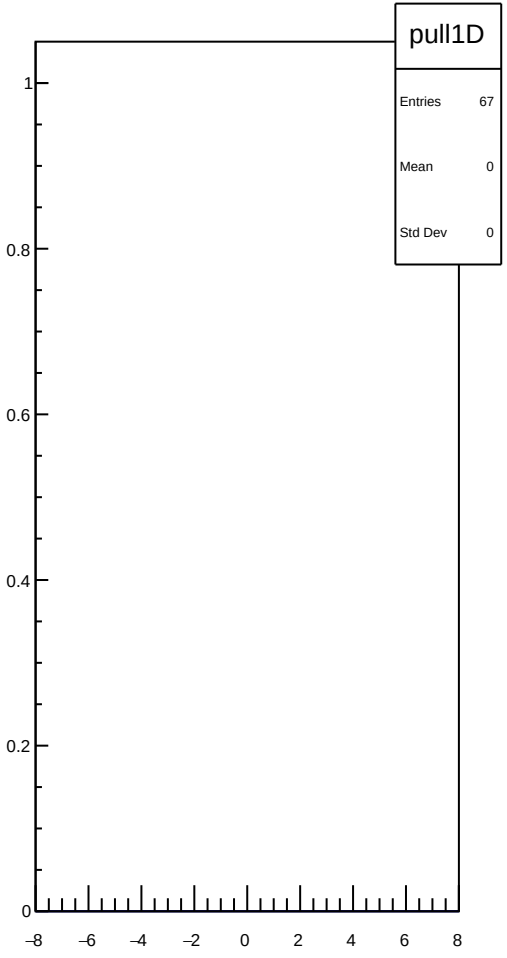

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

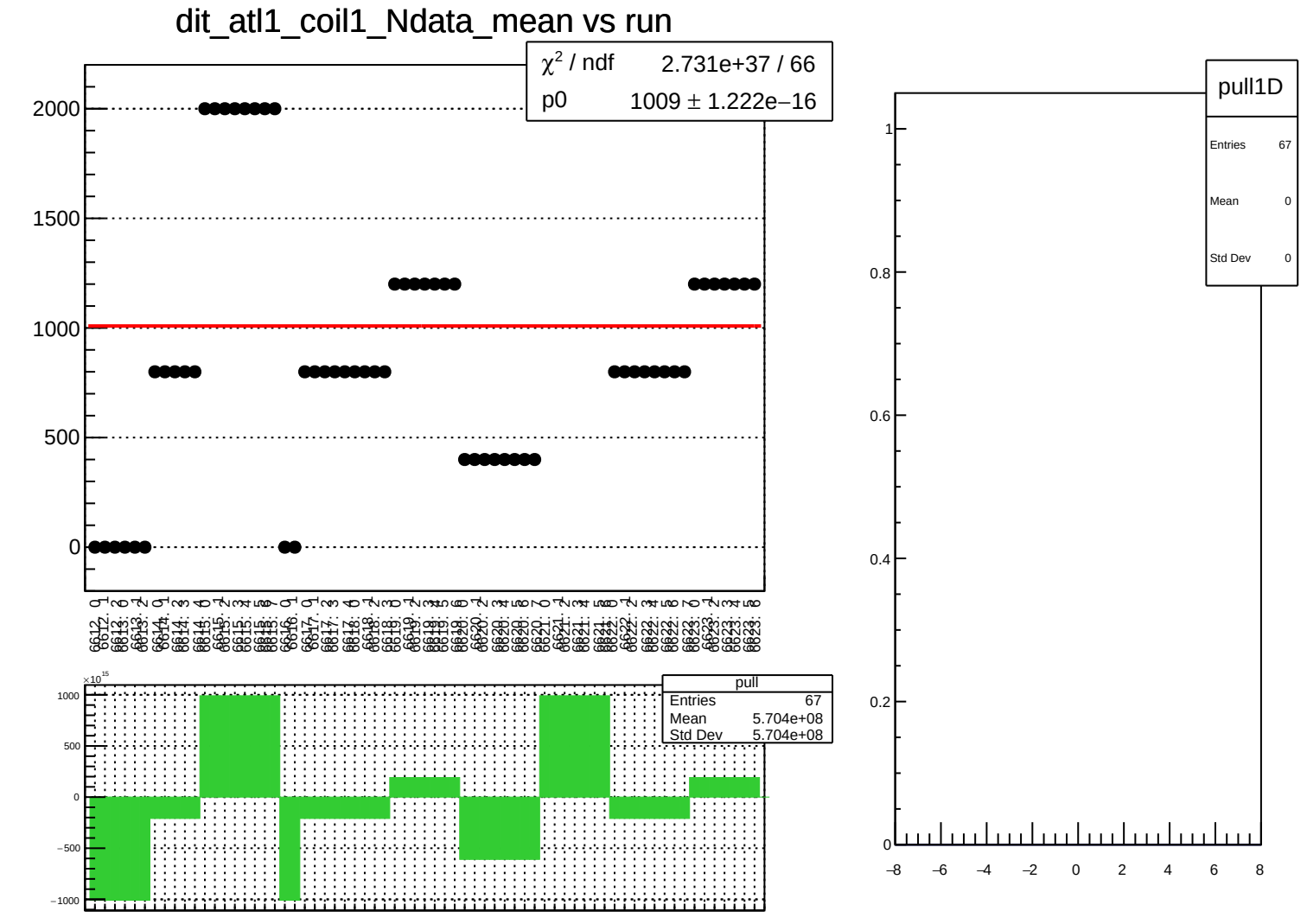

dit_atl1_coil1_mean vs run
χ² / ndf inf / 66
p0 2.935e+04 ± 1.222e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean 1.189e+09
Std Dev 1.189e+09
×10^18
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

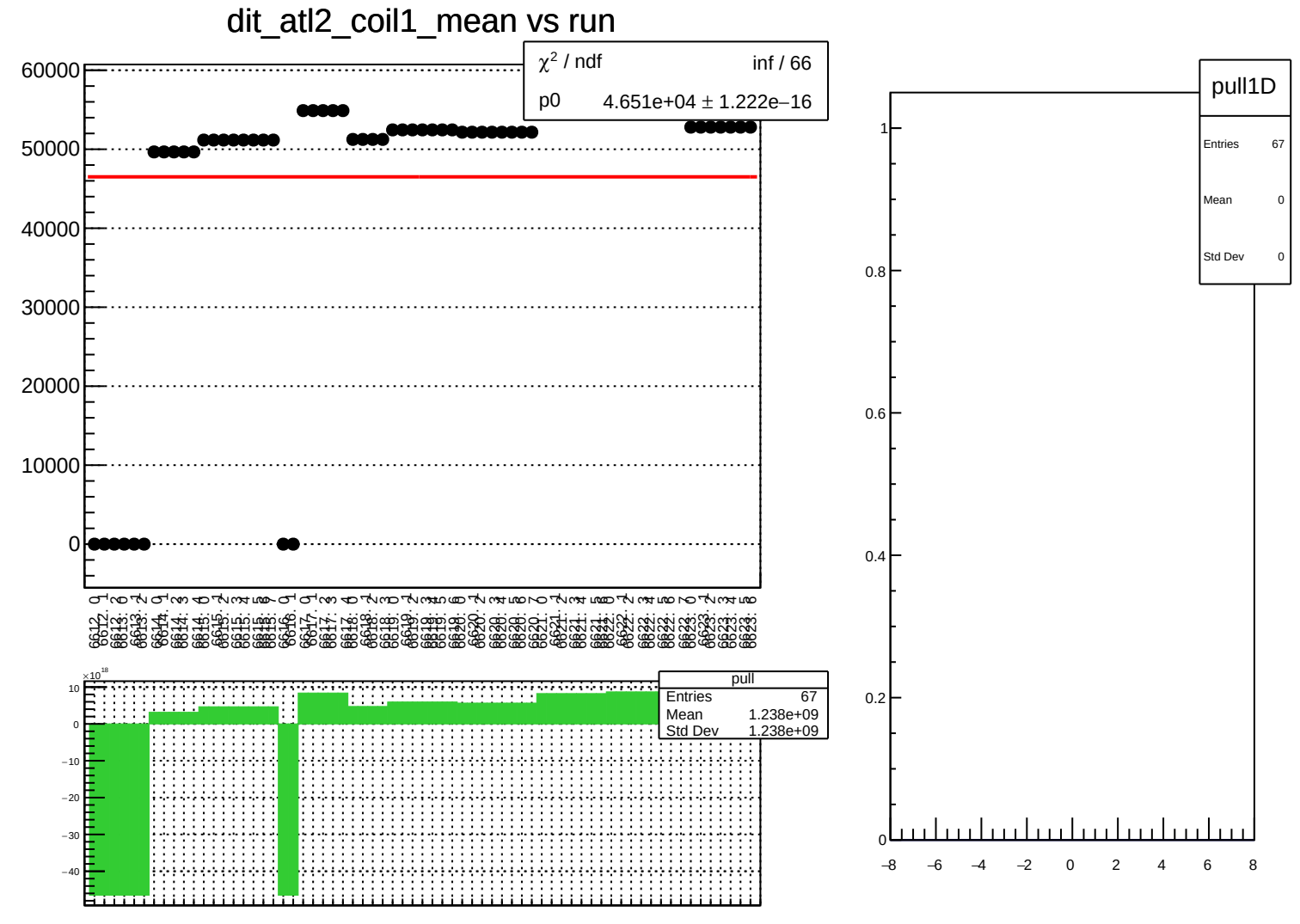
dit_atl1_coil1_err_mean vs run

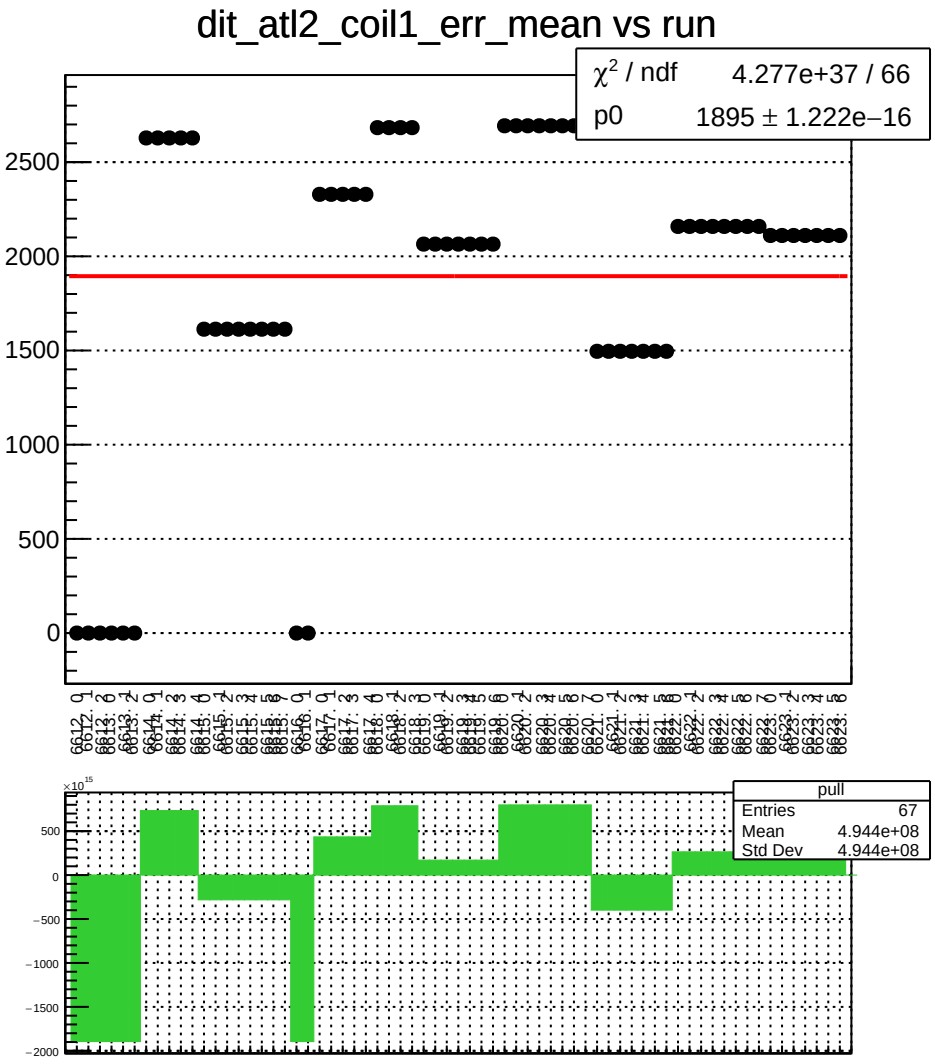


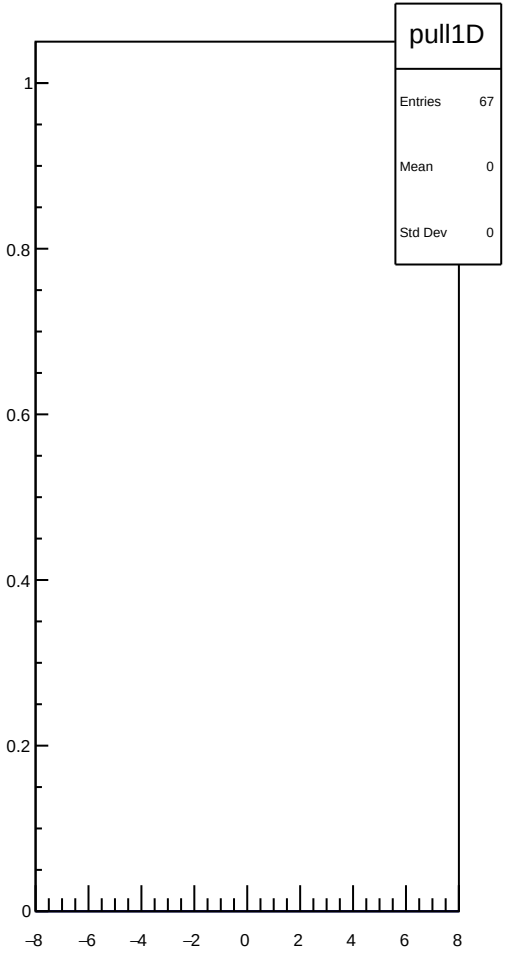


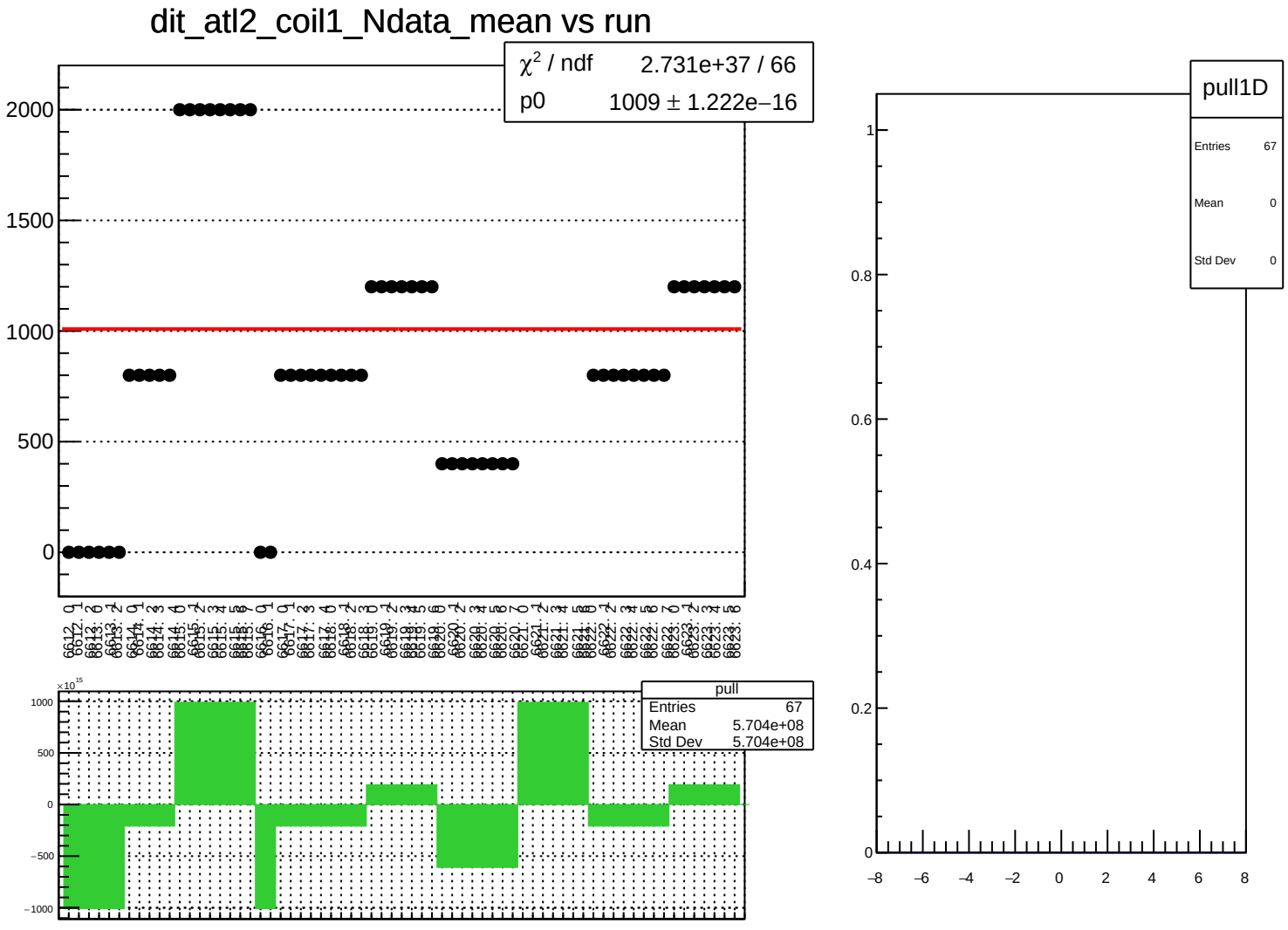


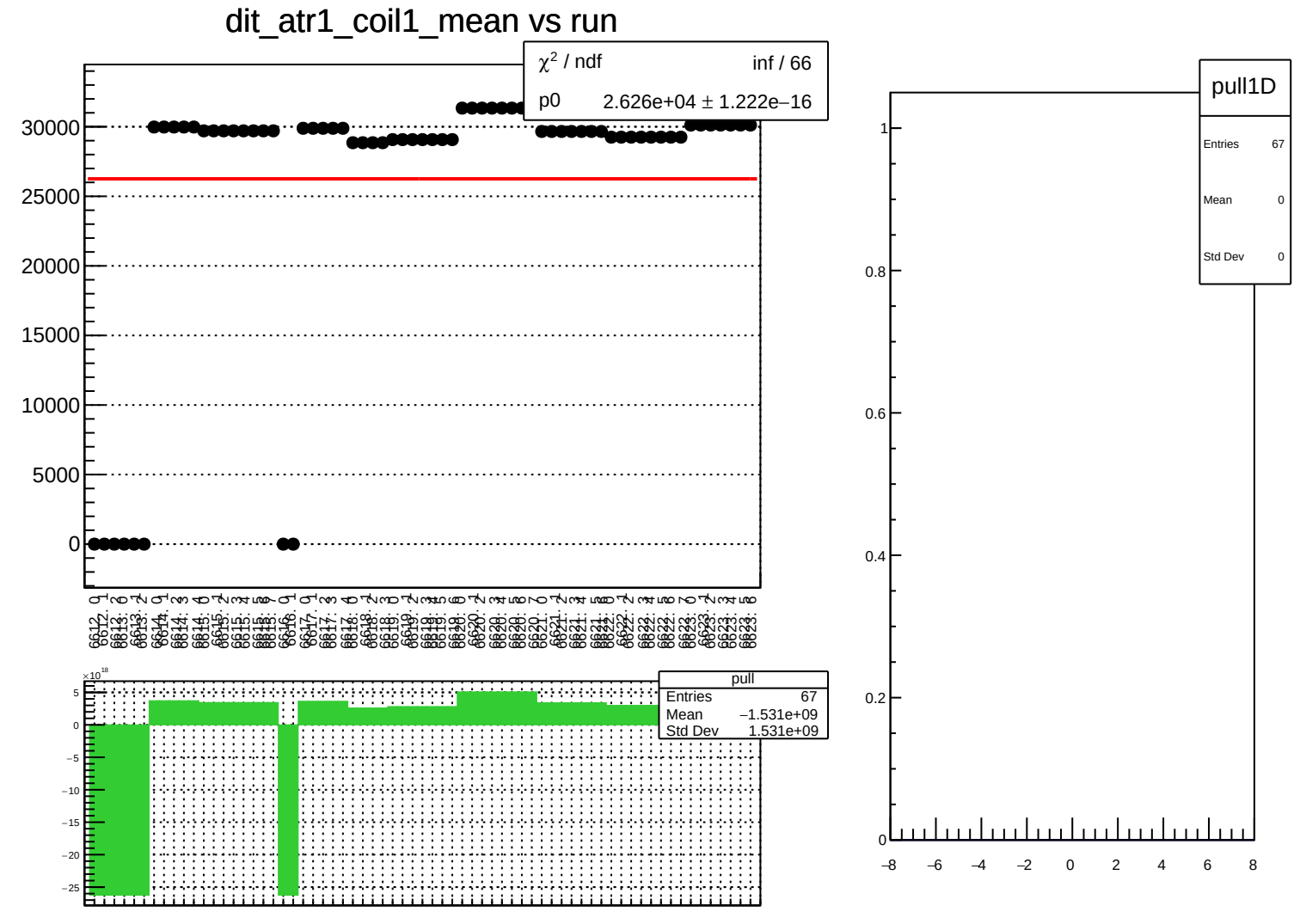

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

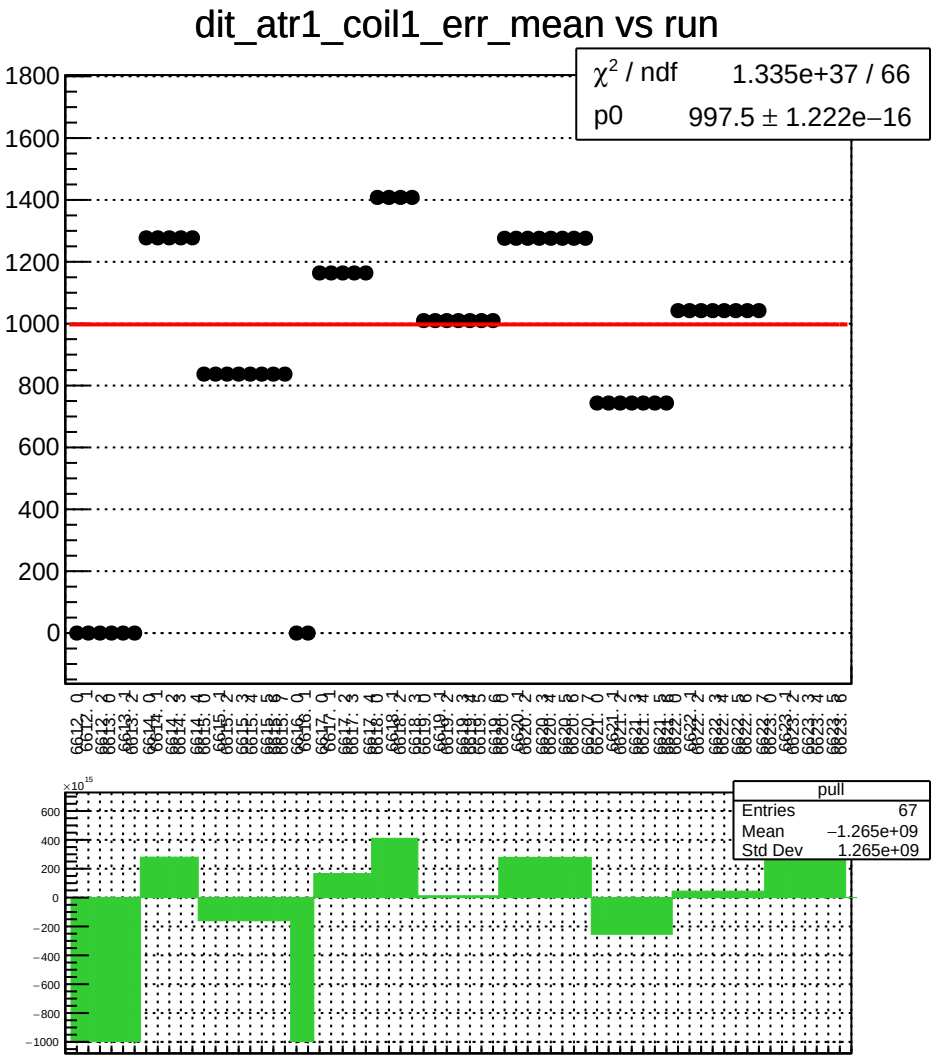

dit_atl2_coil1_mean vs run
χ² / ndf inf / 66
p0 4.651e+04 ± 1.222e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 67
Mean 1.238e+09
Std Dev 1.238e+09
×10^18
10
0
−10
−20
−30
−40
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

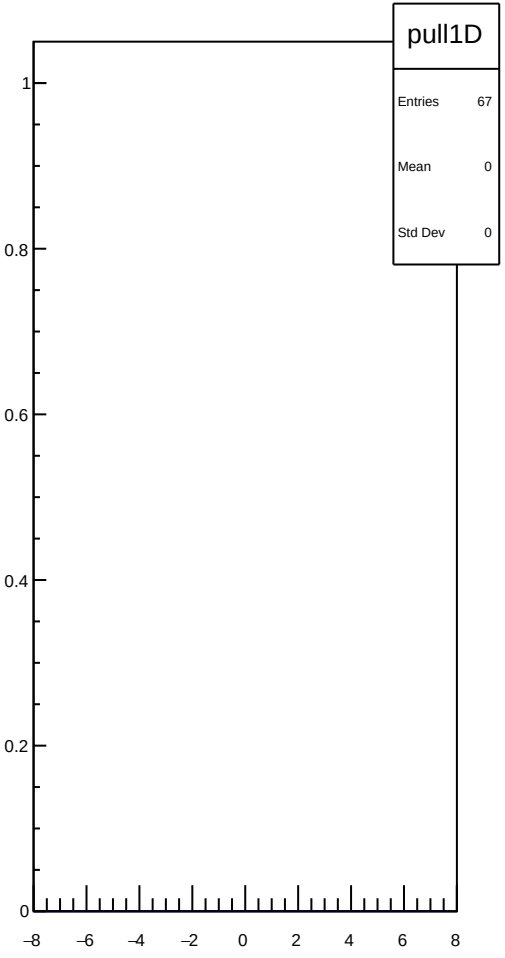

dit_atl2_coil1_err_mean vs run
χ² / ndf 4.277e+37 / 66
p0 1895 ± 1.222e−16
2500
2000
1500
1000
500
0
pull
Entries 67
Mean 4.944e+08
Std Dev 4.944e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

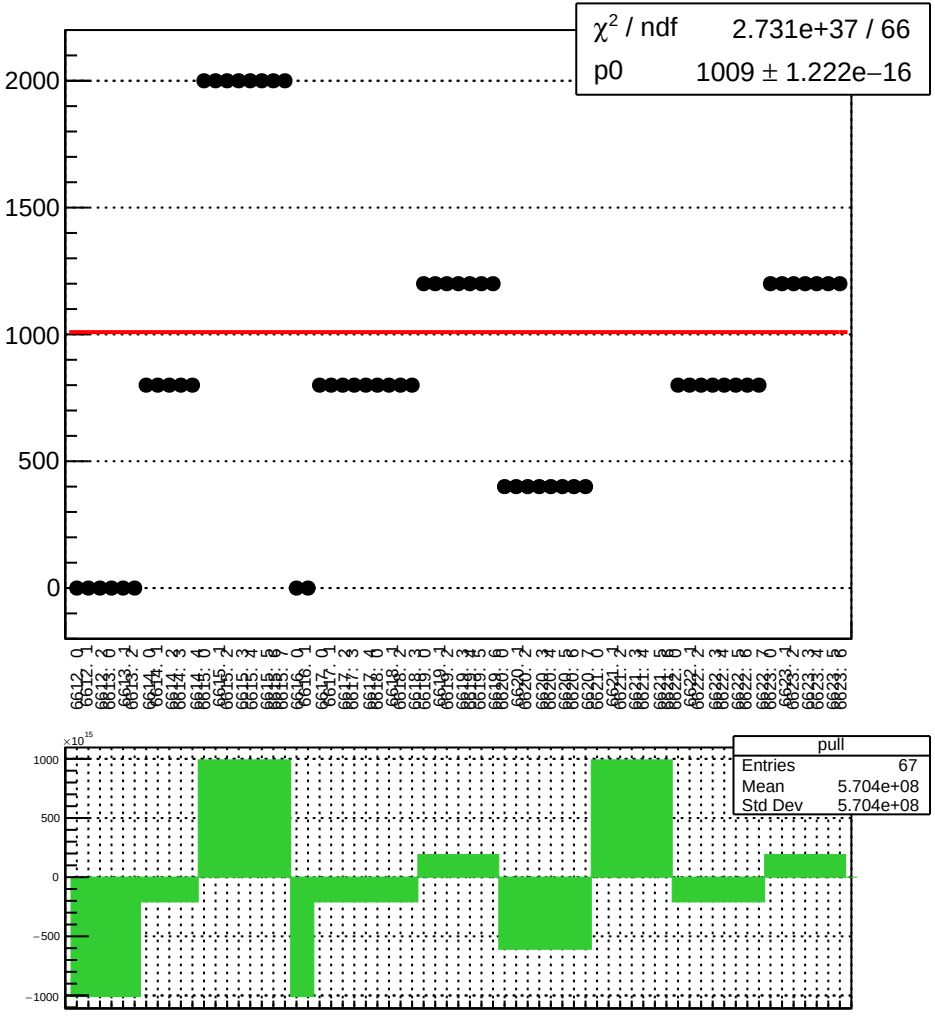

dit_atl2_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

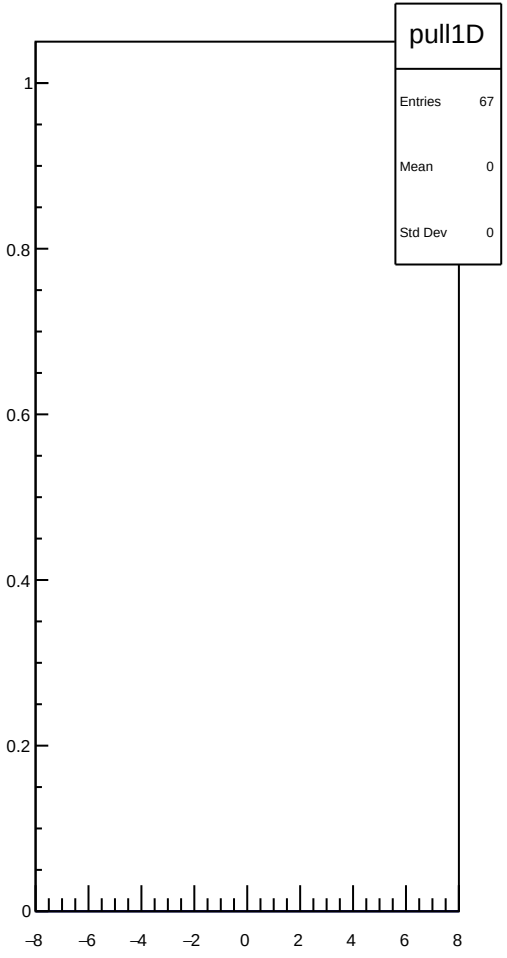

dit_atr1_coil1_mean vs run
χ² / ndf inf / 66
p0 2.626e+04 ± 1.222e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean −1.531e+09
Std Dev 1.531e+09
×10^18
5
0
−5
−10
−15
−20
−25
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

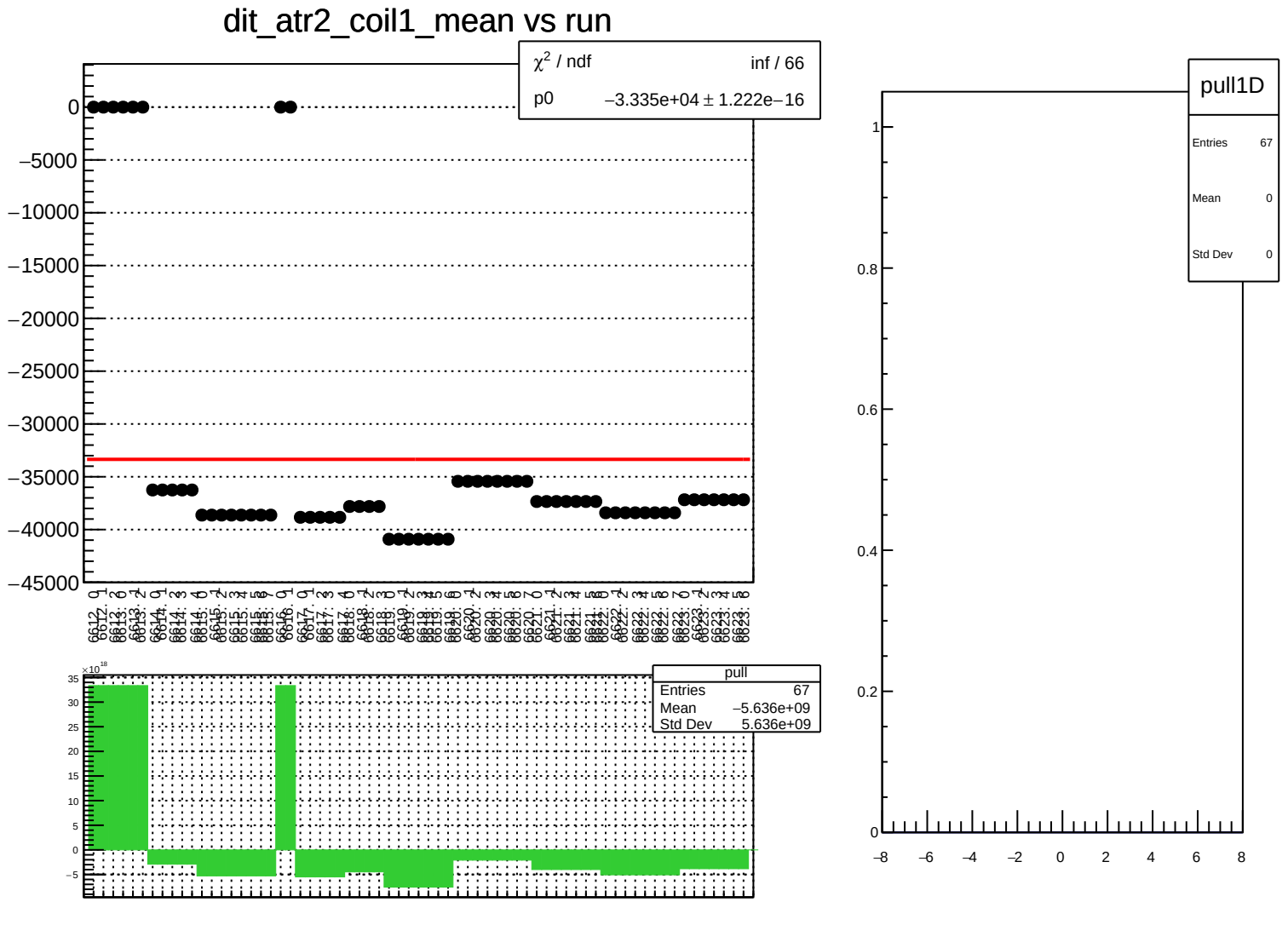

dit_atr1_coil1_err_mean vs run
χ² / ndf 1.335e+37 / 66
p0 997.5 ± 1.222e−16
pull
Entries 67
Mean −1.265e+09
Std Dev 1.265e+09

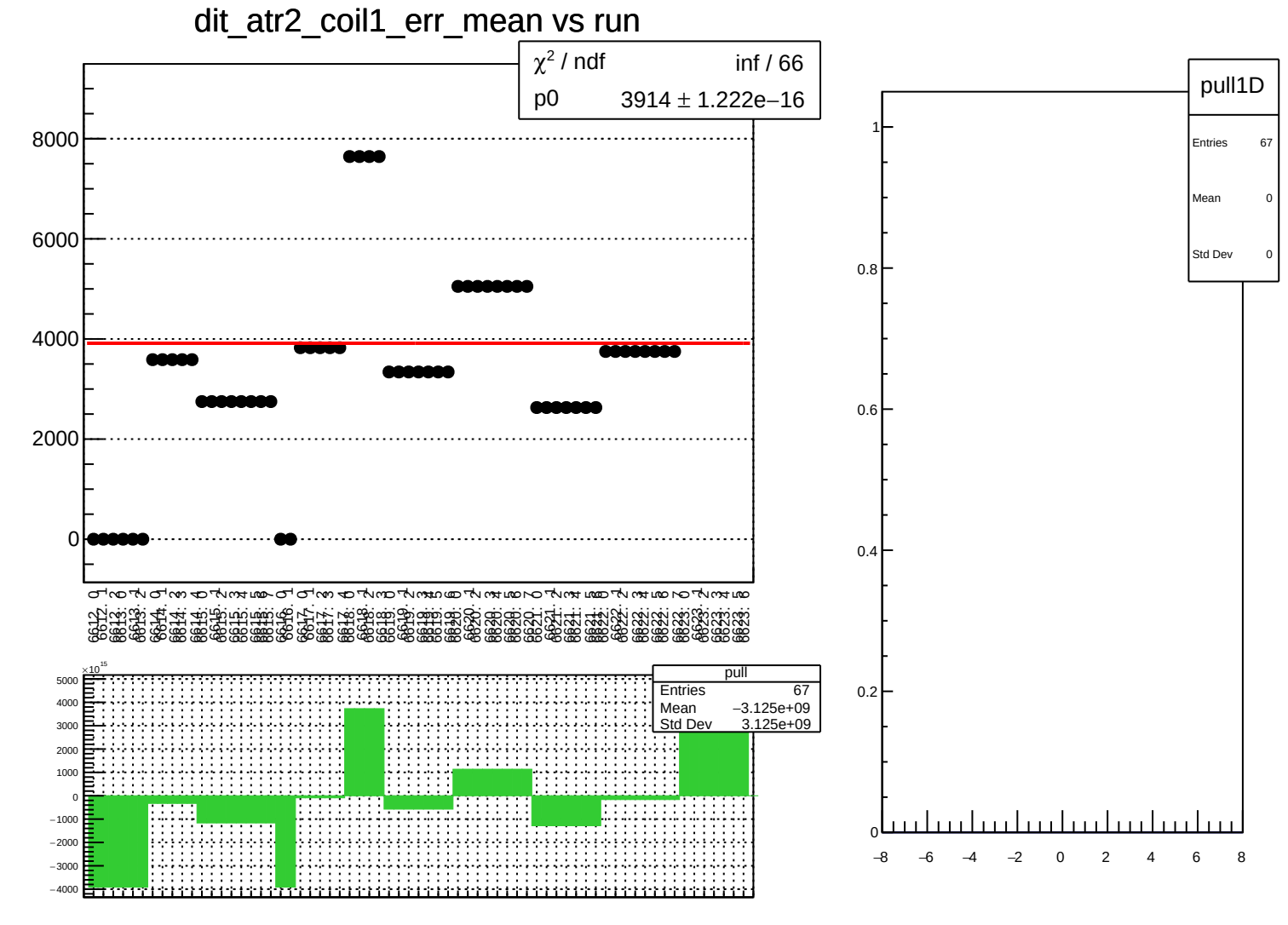

pull1D
Entries 67
Mean 0
Std Dev 0

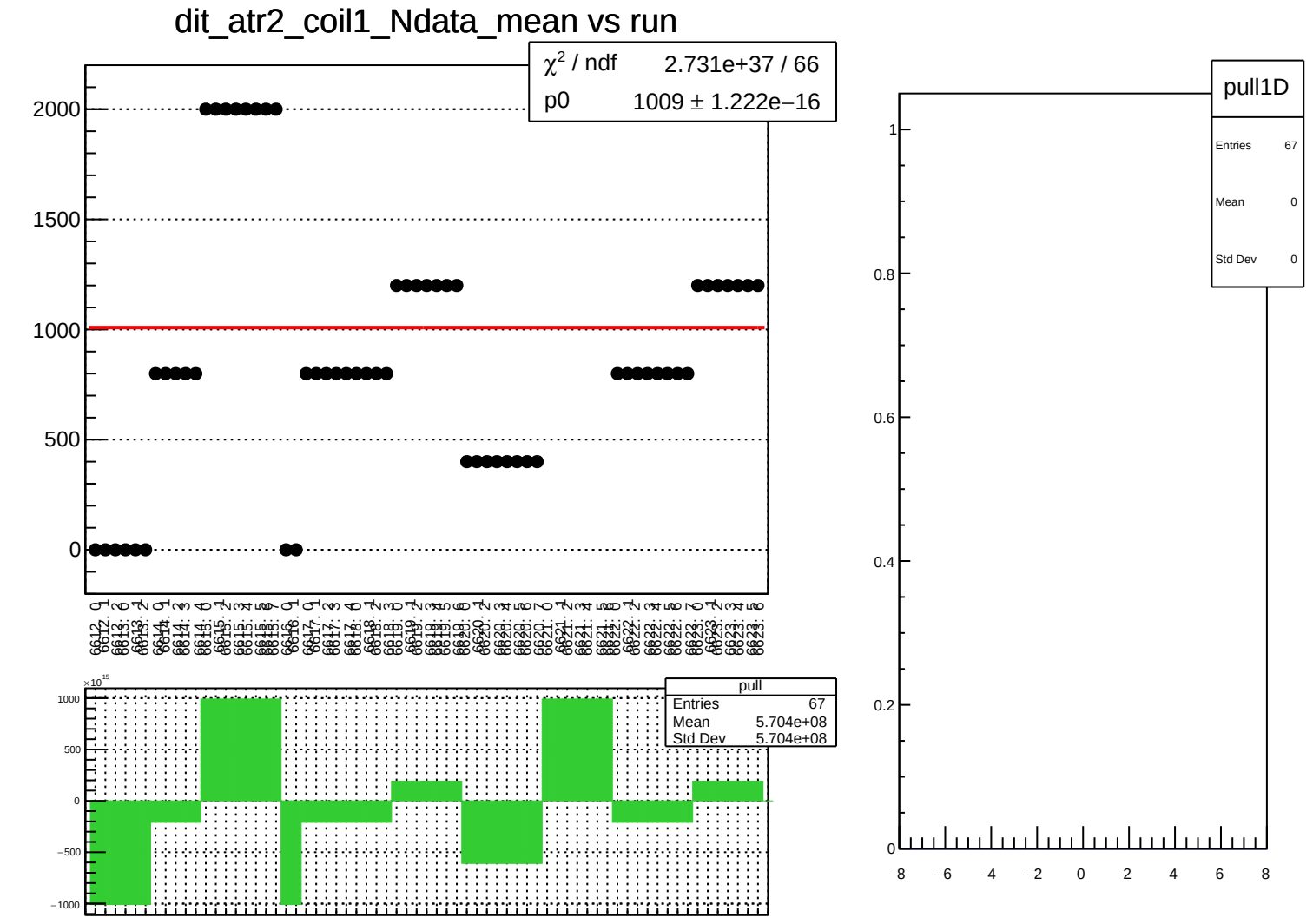
dit_atr1_coil1_Ndata_mean vs run

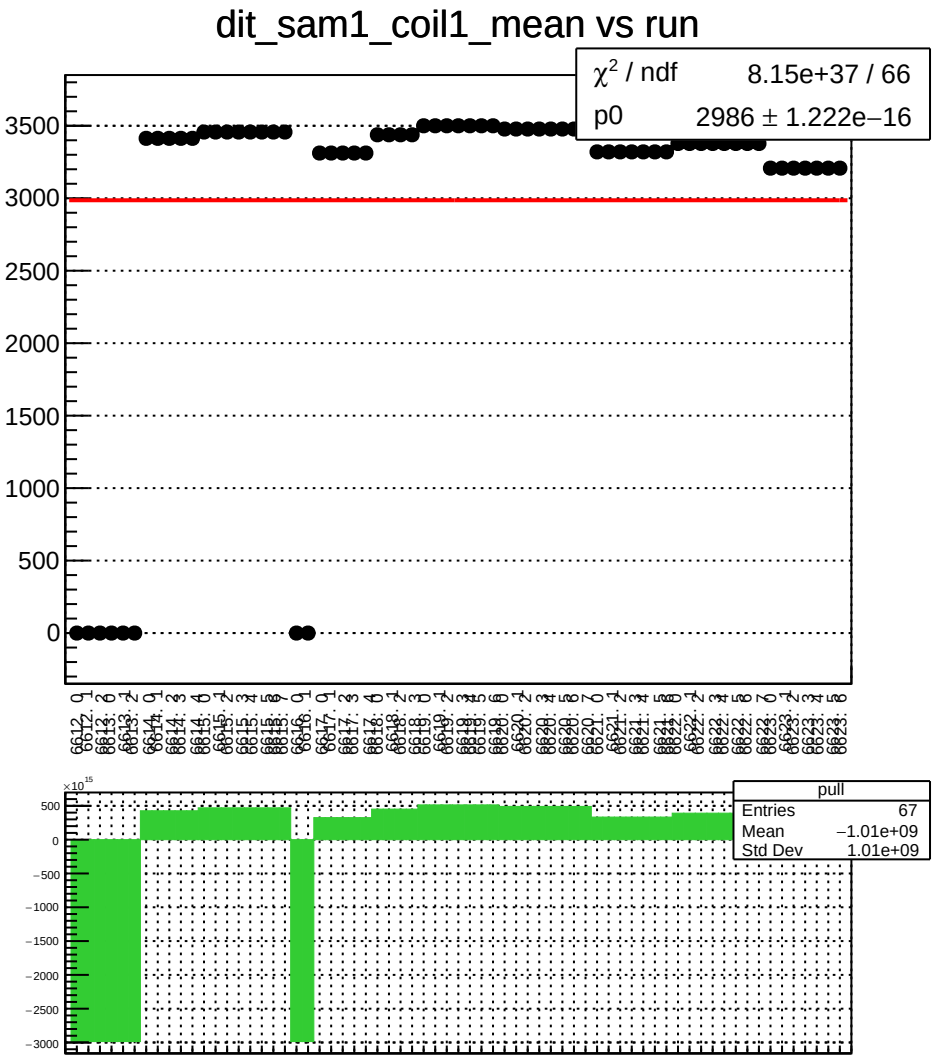


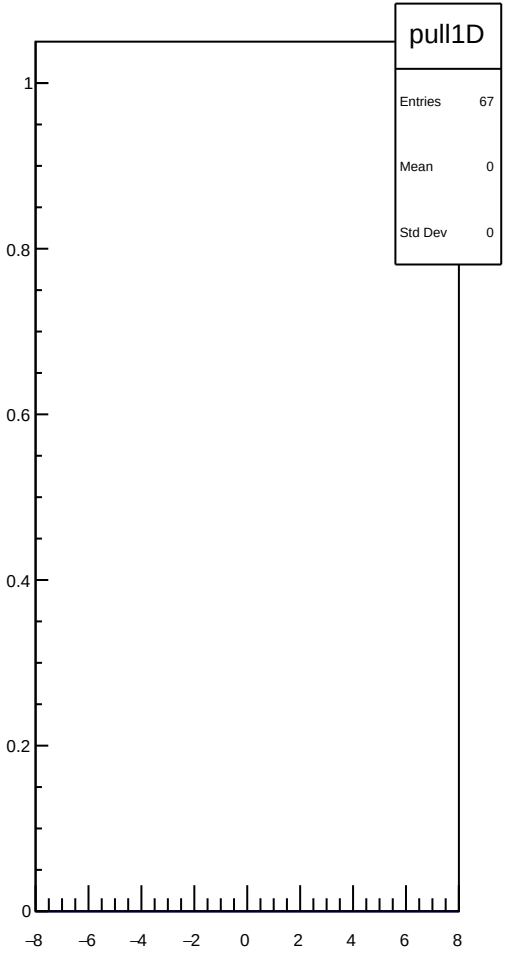


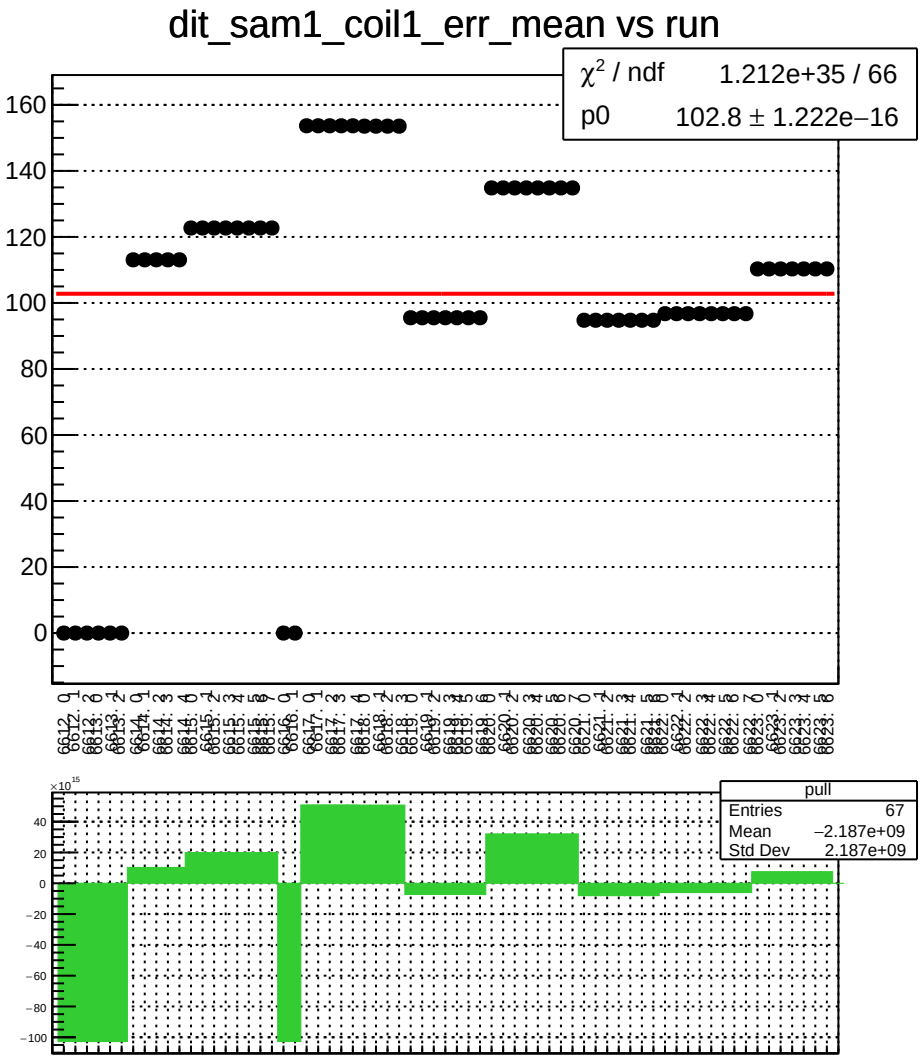

dit_atr2_coil1_mean vs run
χ² / ndf inf / 66
p0 −3.335e+04 ± 1.222e−16
pull
Entries 67
Mean −5.636e+09
Std Dev 5.636e+09
pull1D
Entries 67
Mean 0
Std Dev 0

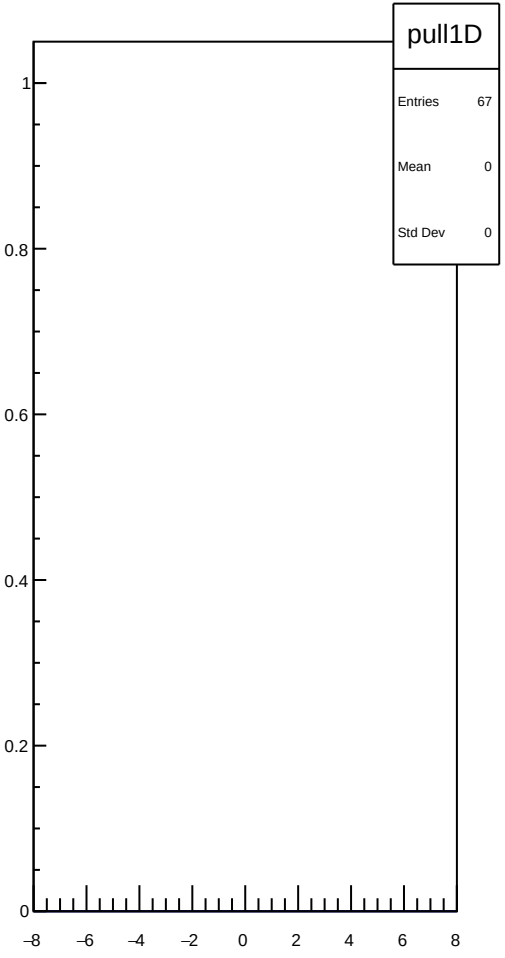

dit_atr2_coil1_err_mean vs run
χ² / ndf inf / 66
p0 3914 ± 1.222e−16
8000
6000
4000
2000
0
pull
Entries 67
Mean −3.125e+09
Std Dev 3.125e+09
×10^15
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

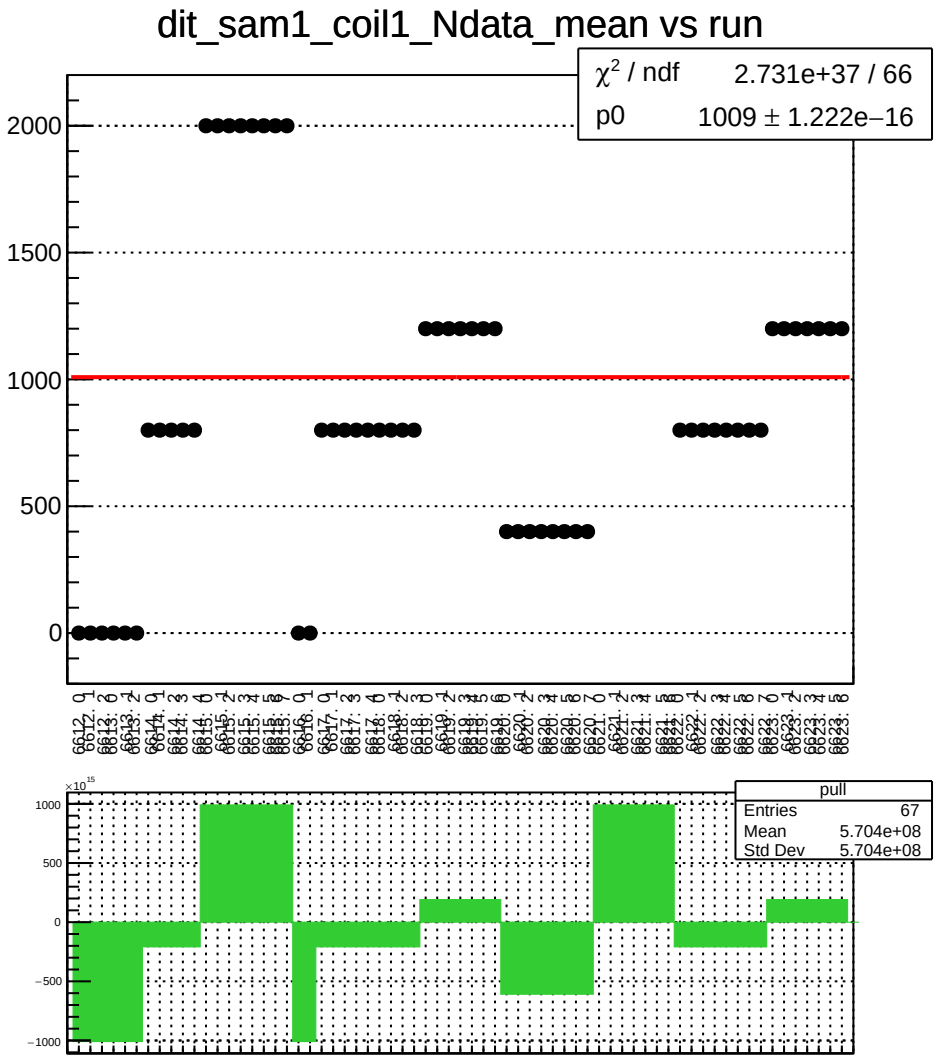

dit_atr2_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

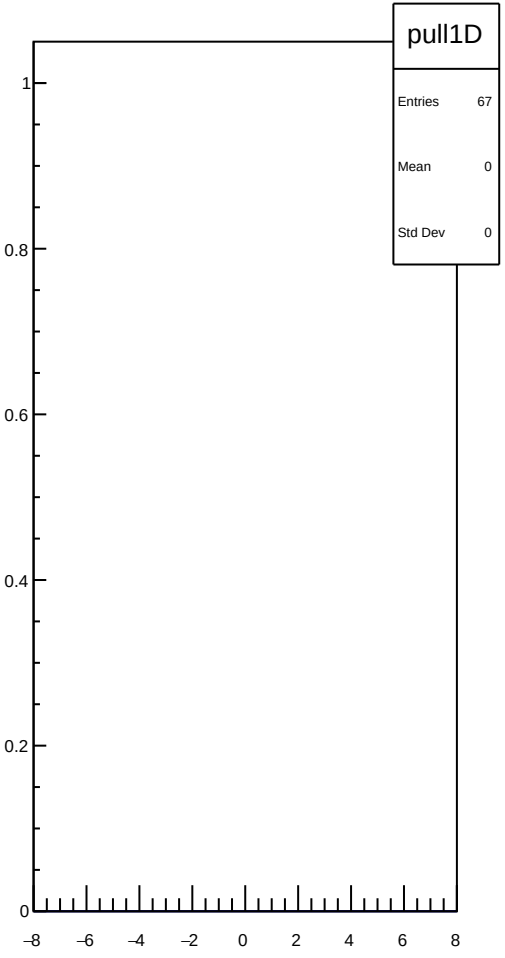

dit_sam1_coil1_mean vs run
χ² / ndf 8.15e+37 / 66
p0 2986 ± 1.222e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 67
Mean −1.01e+09
Std Dev 1.01e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000

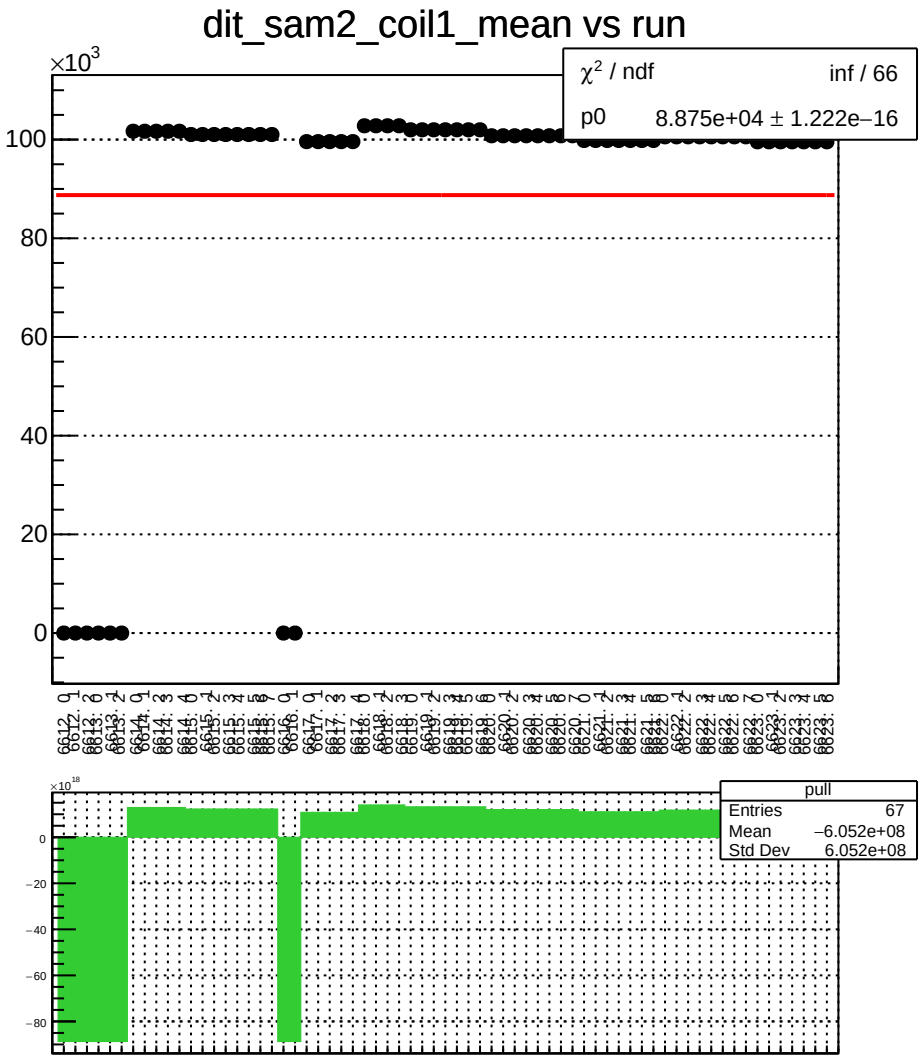

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

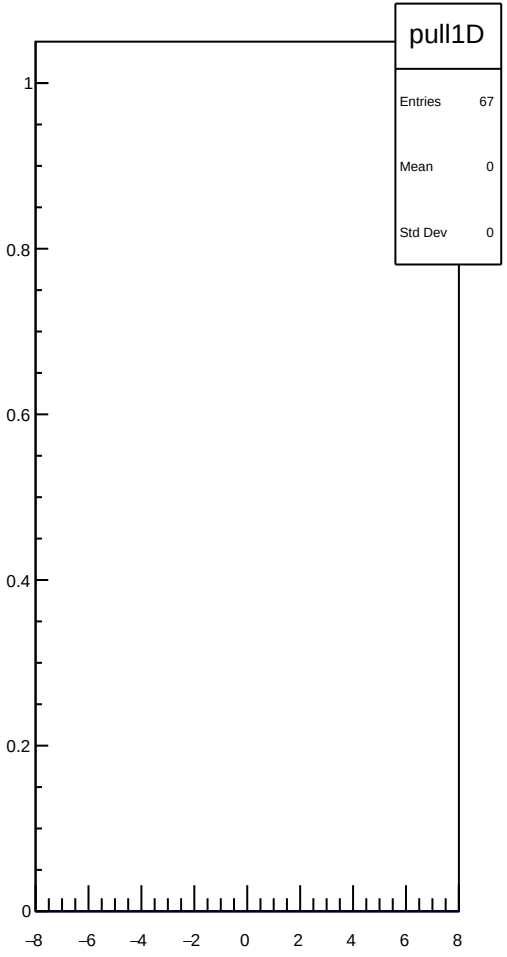

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.212e+35 / 66
p0 102.8 ± 1.222e−16
pull
Entries 67
Mean −2.187e+09
Std Dev 2.187e+09

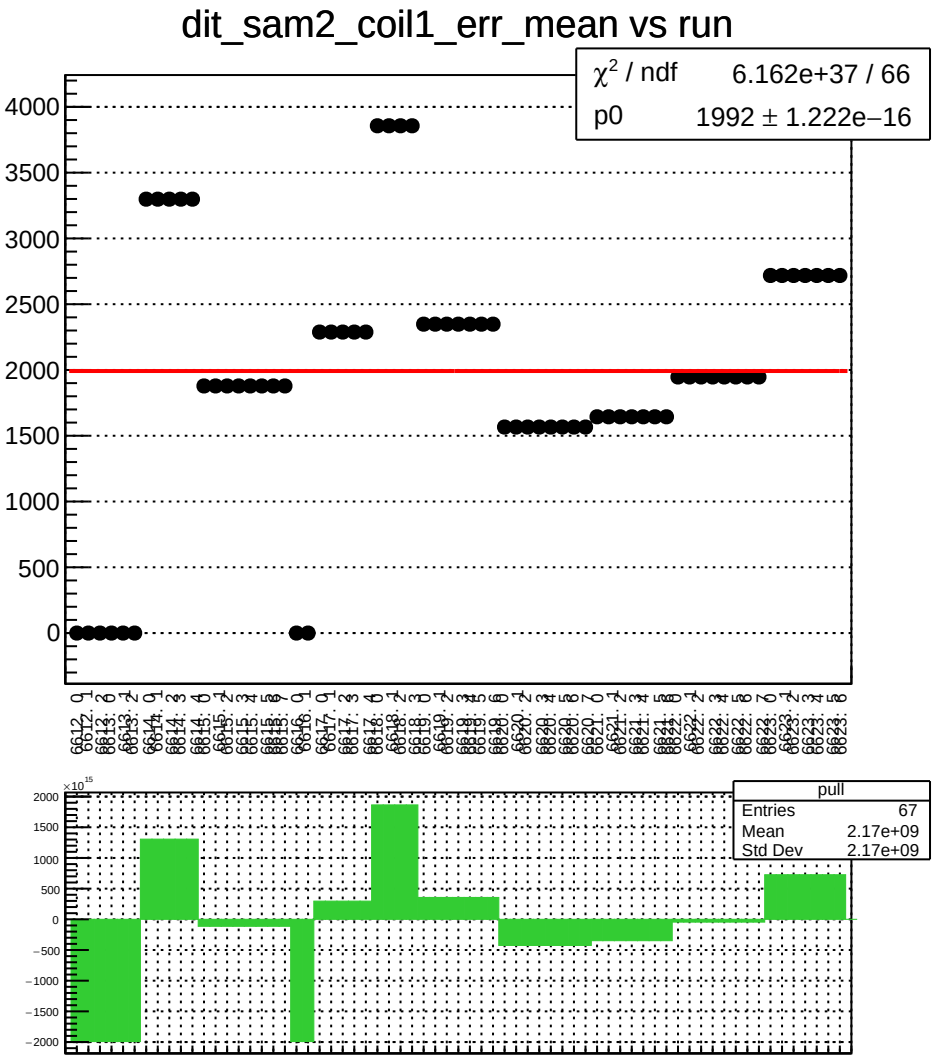

pull1D
Entries 67
Mean 0
Std Dev 0

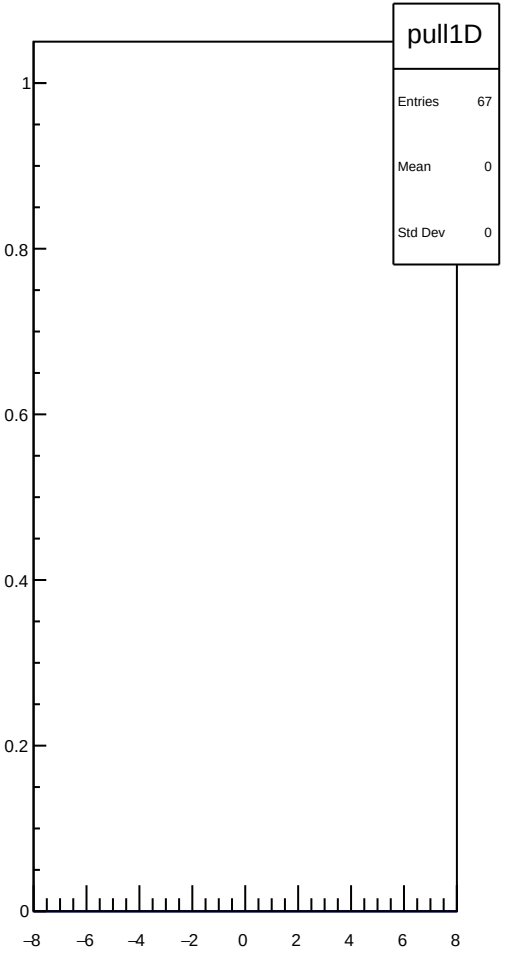

dit_sam1_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000

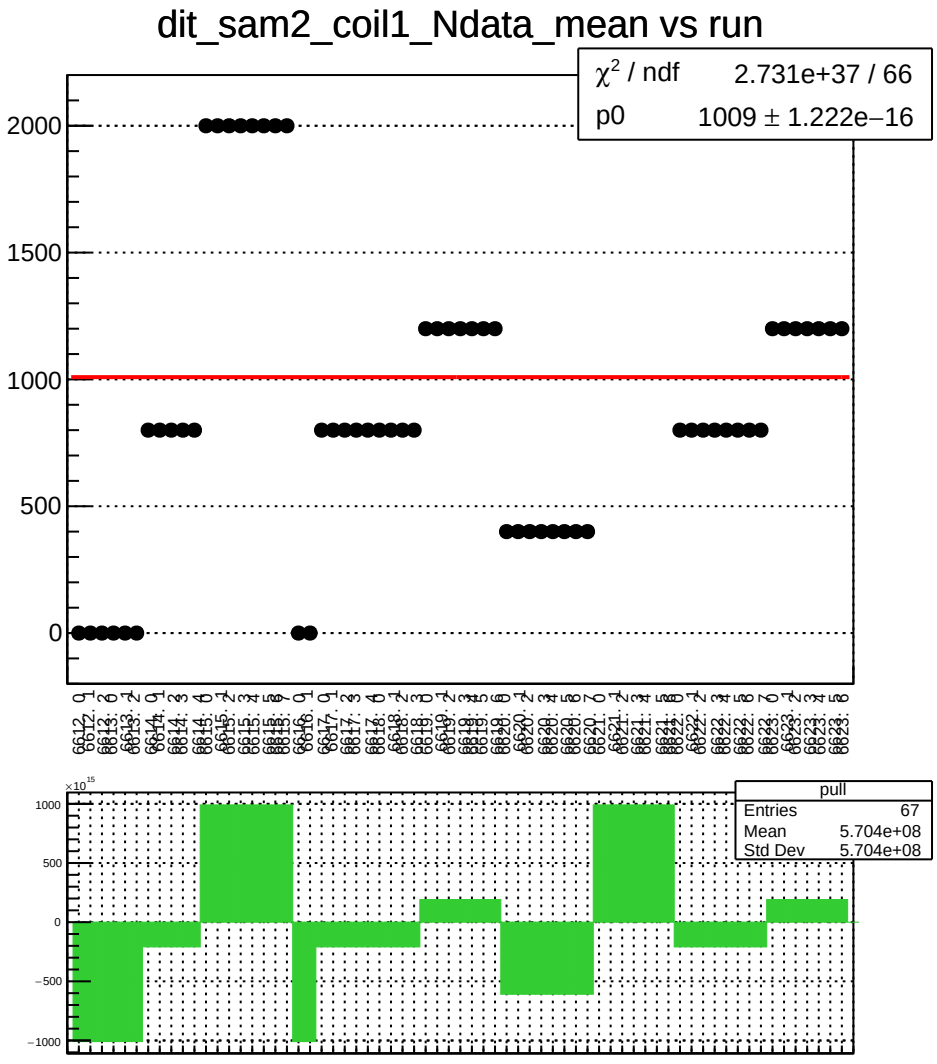

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

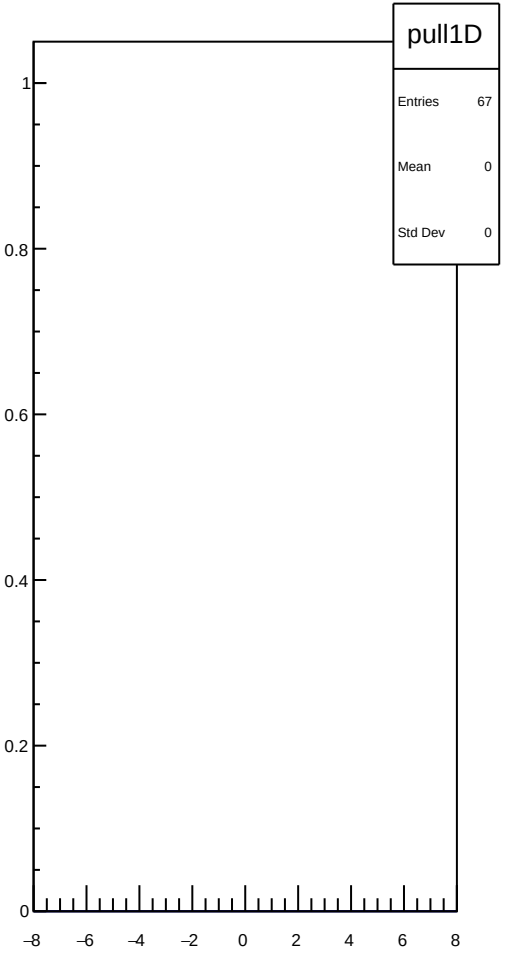

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 66
p0 8.875e+04 ± 1.222e−16
100
80
60
40
20
0
×10^18
pull
Entries 67
Mean −6.052e+08
Std Dev 6.052e+08
0
−20
−40
−60
−80


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

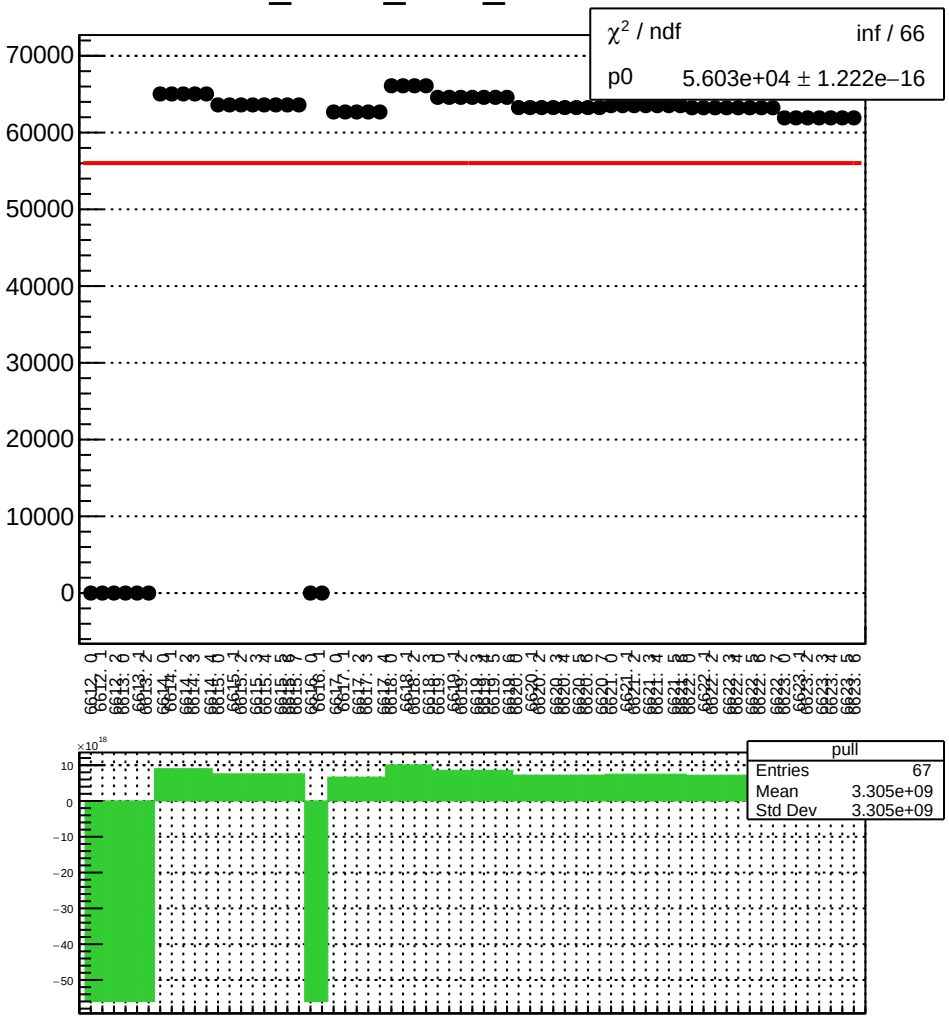

dit_sam2_coil1_err_mean vs run
χ² / ndf 6.162e+37 / 66
p0 1992 ± 1.222e−16
pull
Entries 67
Mean 2.17e+09
Std Dev 2.17e+09

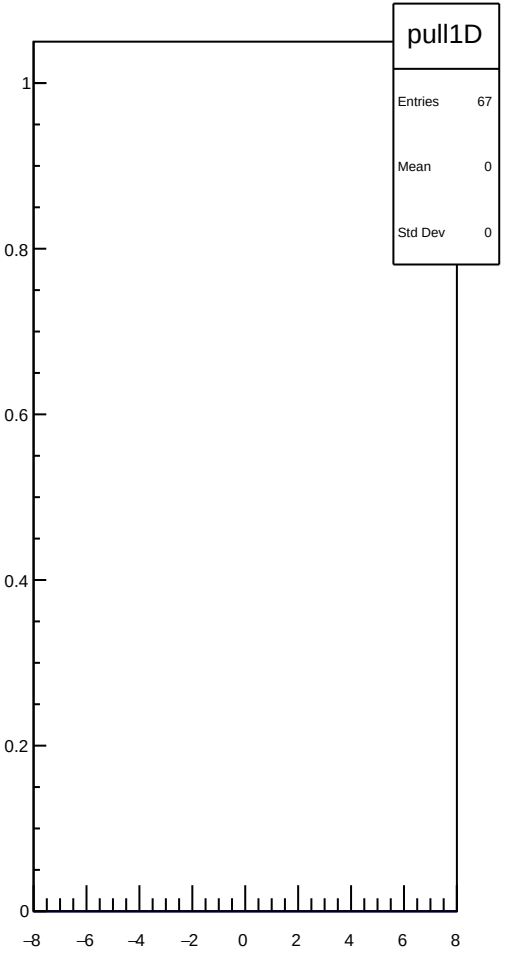

pull1D
Entries 67
Mean 0
Std Dev 0

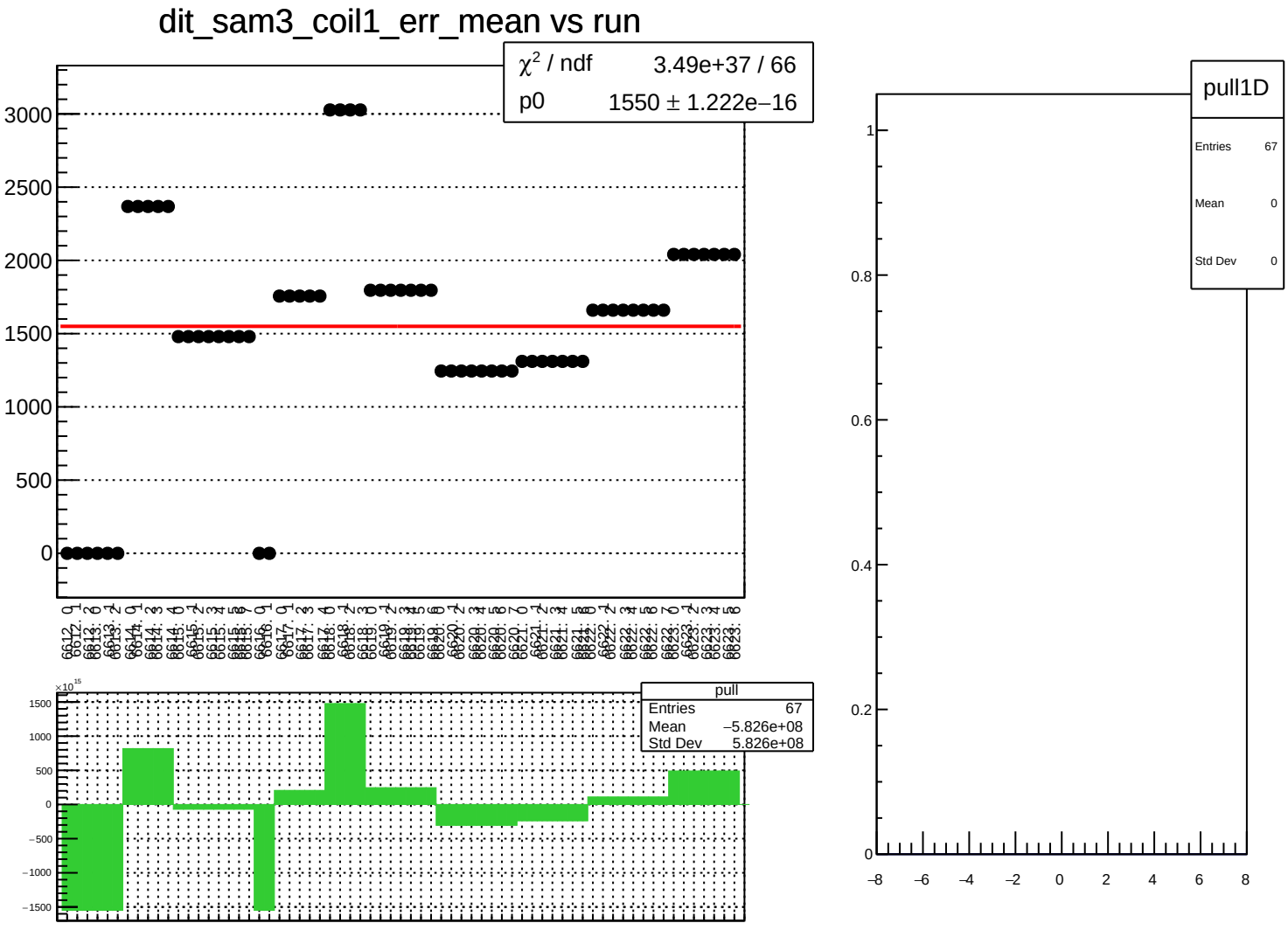

dit_sam2_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000

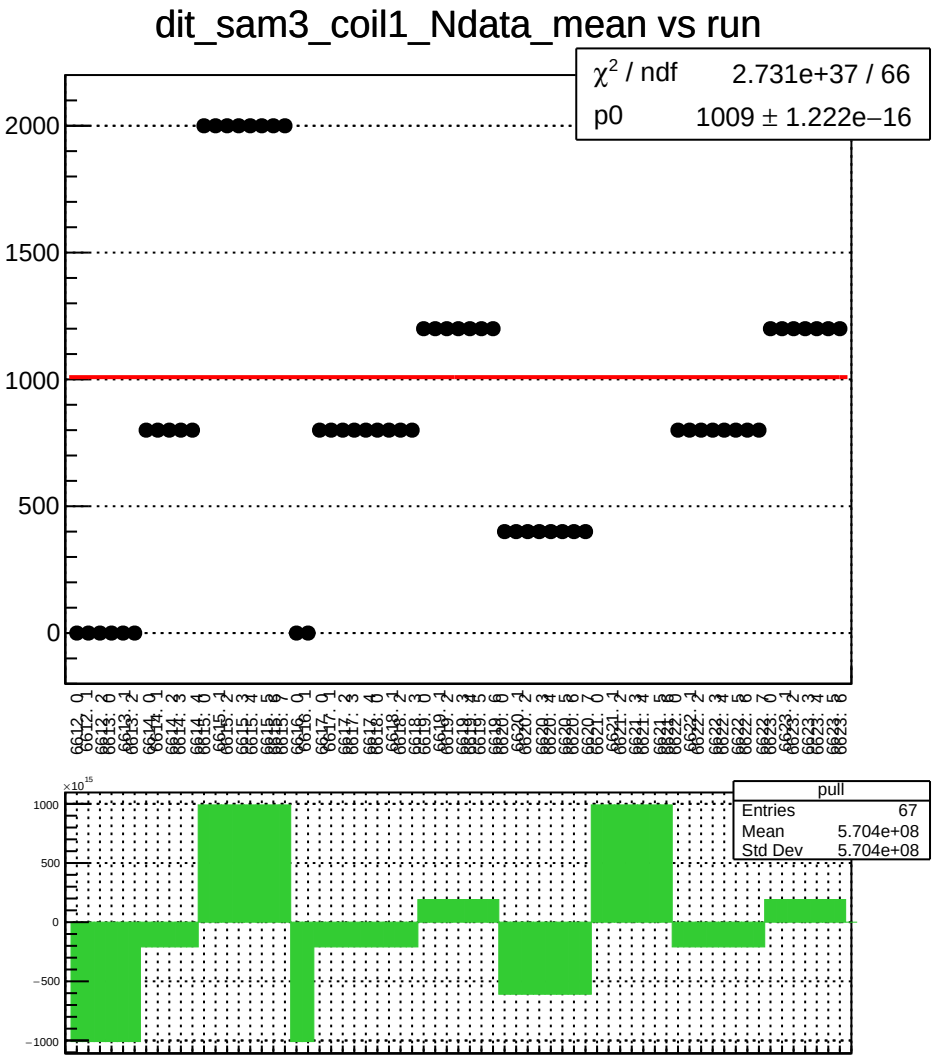

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

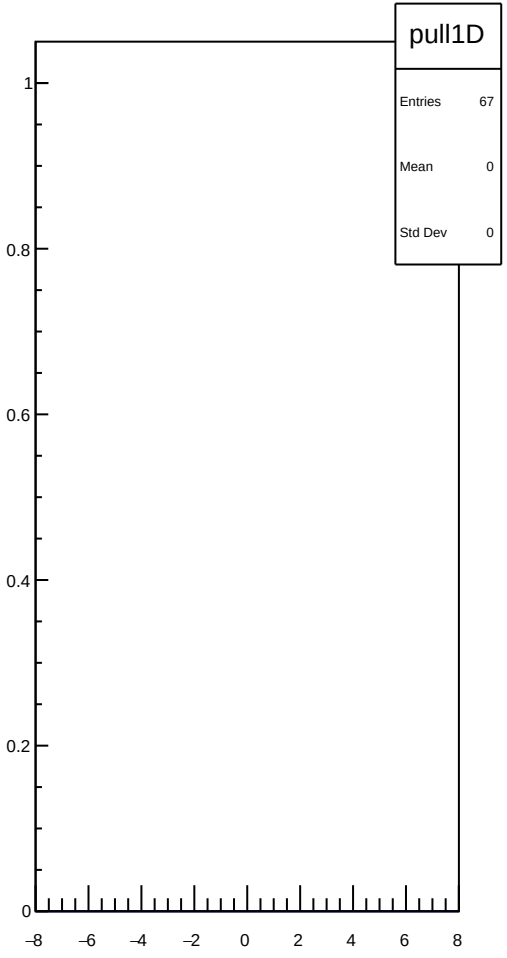
dit_sam3_coil1_mean vs run

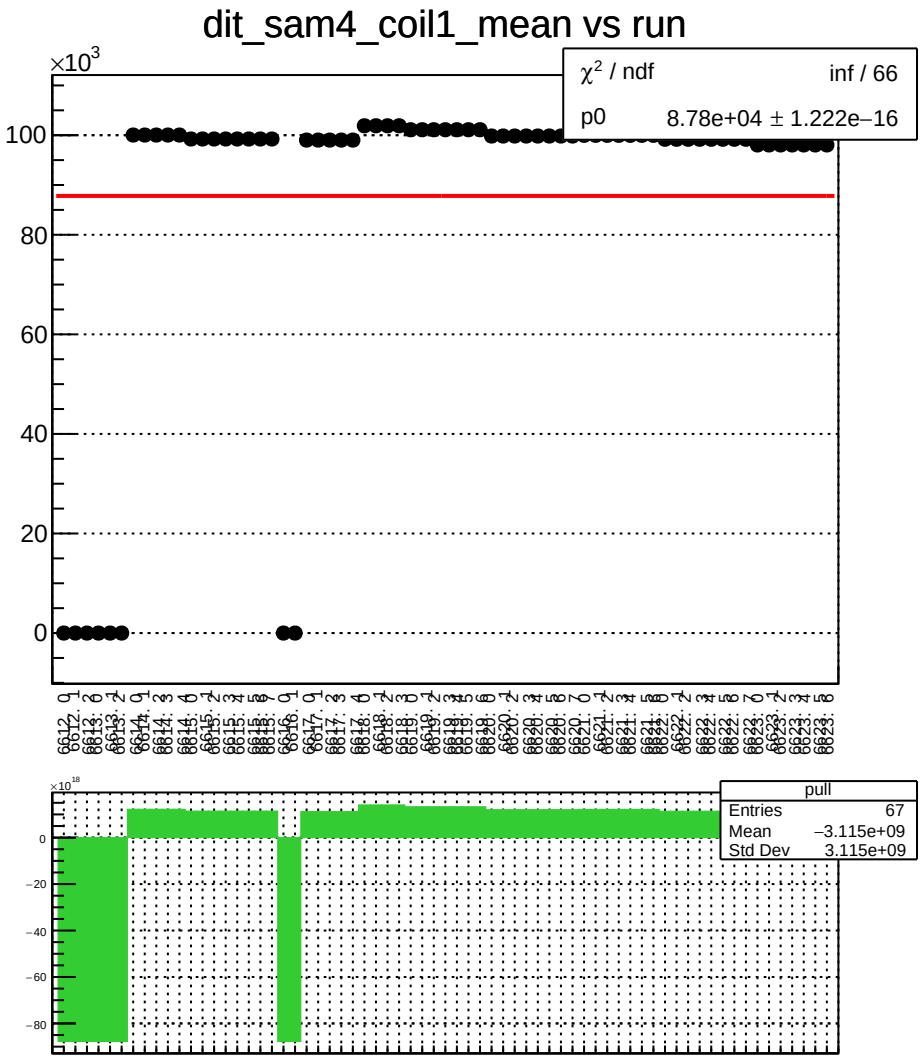


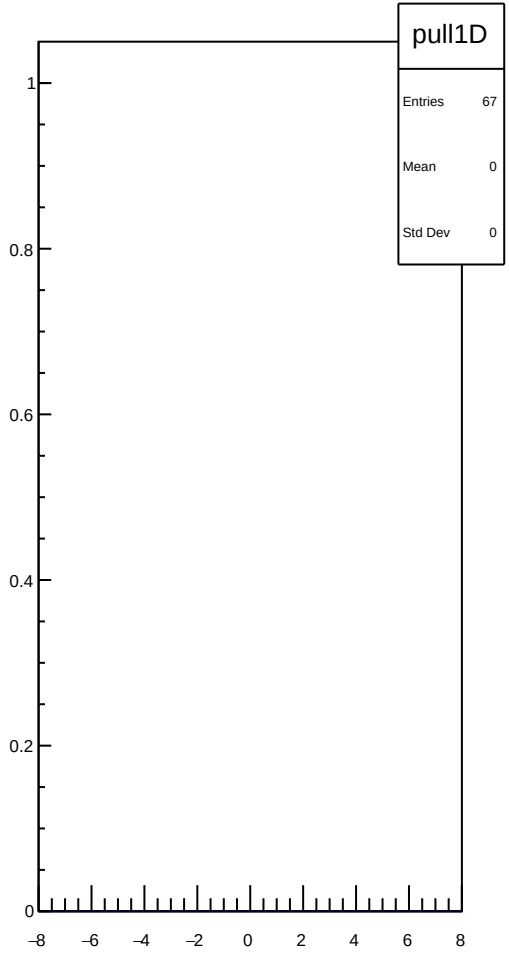


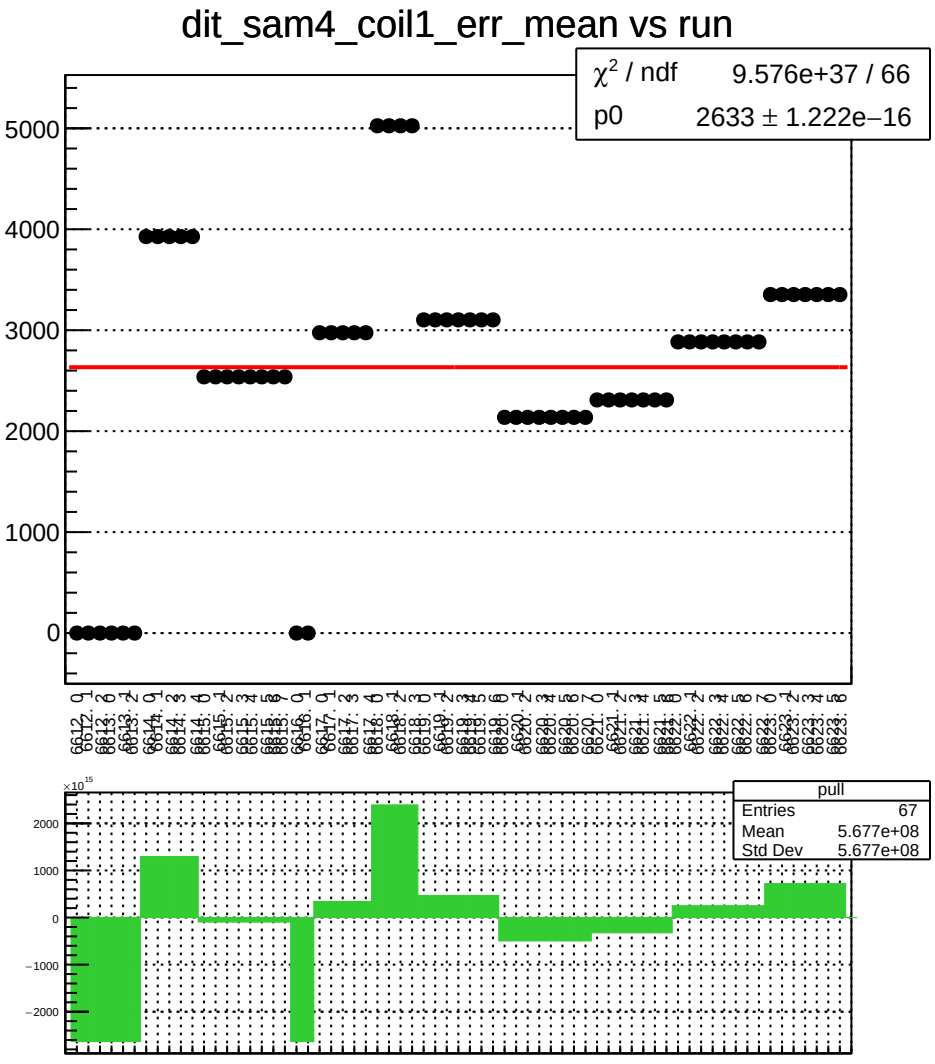

dit_sam3_coil1_err_mean vs run
χ² / ndf 3.49e+37 / 66
p0 1550 ± 1.222e−16
pull
Entries 67
Mean −5.826e+08
Std Dev 5.826e+08
pull1D
Entries 67
Mean 0
Std Dev 0

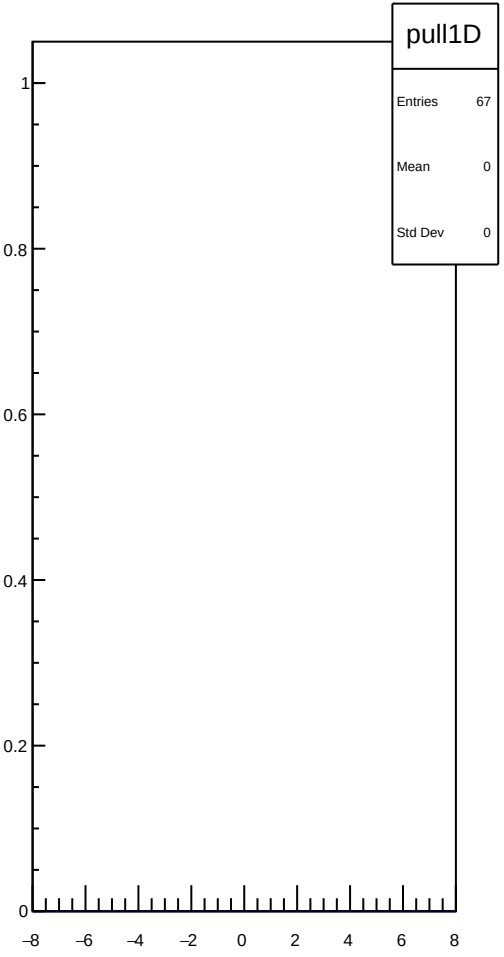

dit_sam3_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000

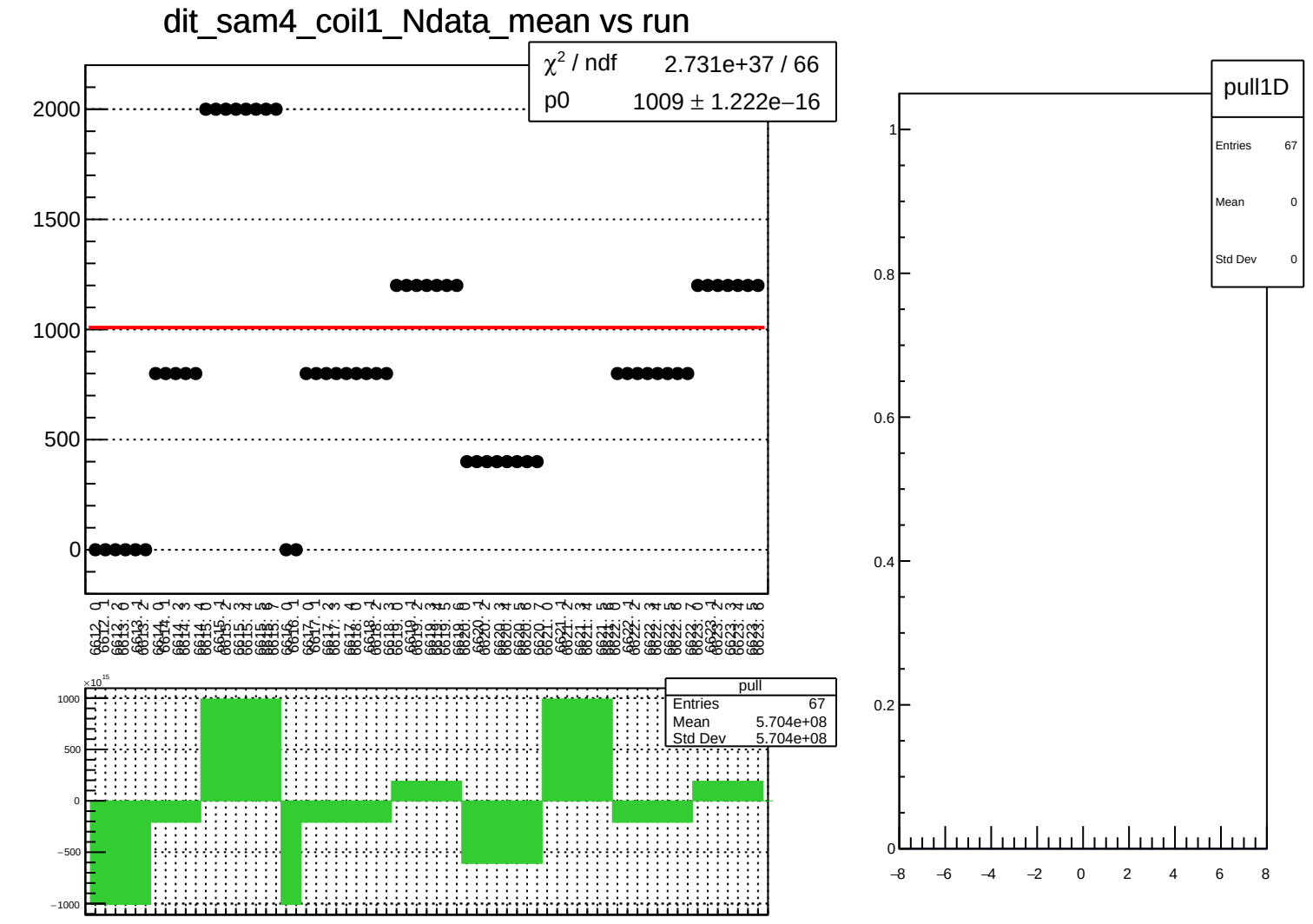

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

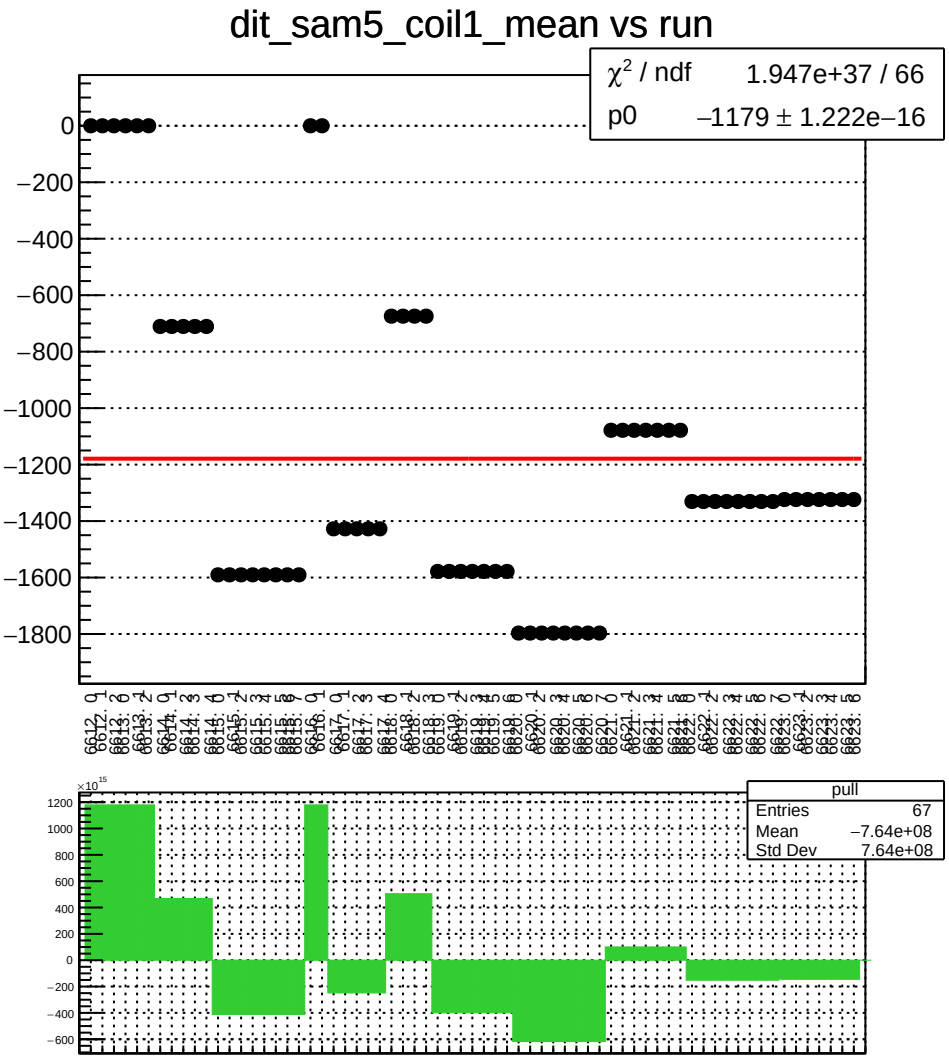

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 66
p0 8.78e+04 ± 1.222e−16
100
80
60
40
20
0
pull
Entries 67
Mean −3.115e+09
Std Dev 3.115e+09
×10^18
0
−20
−40
−60
−80

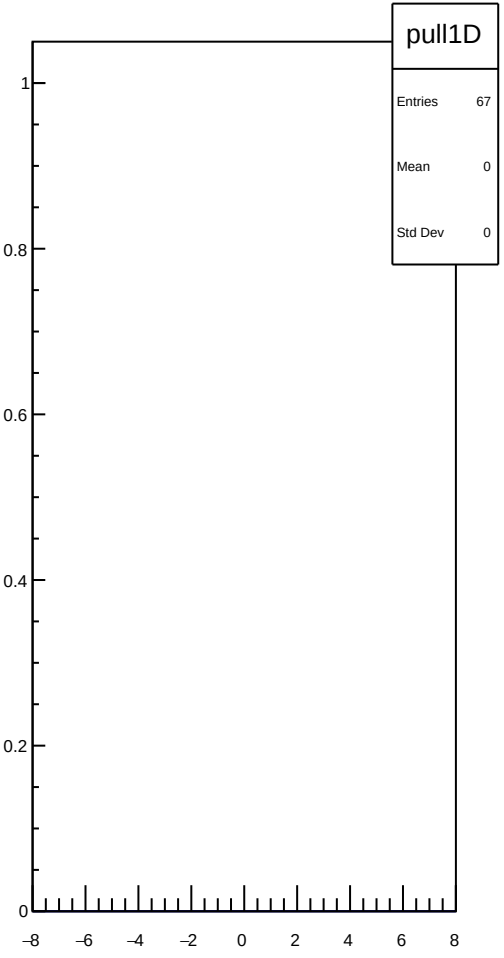

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

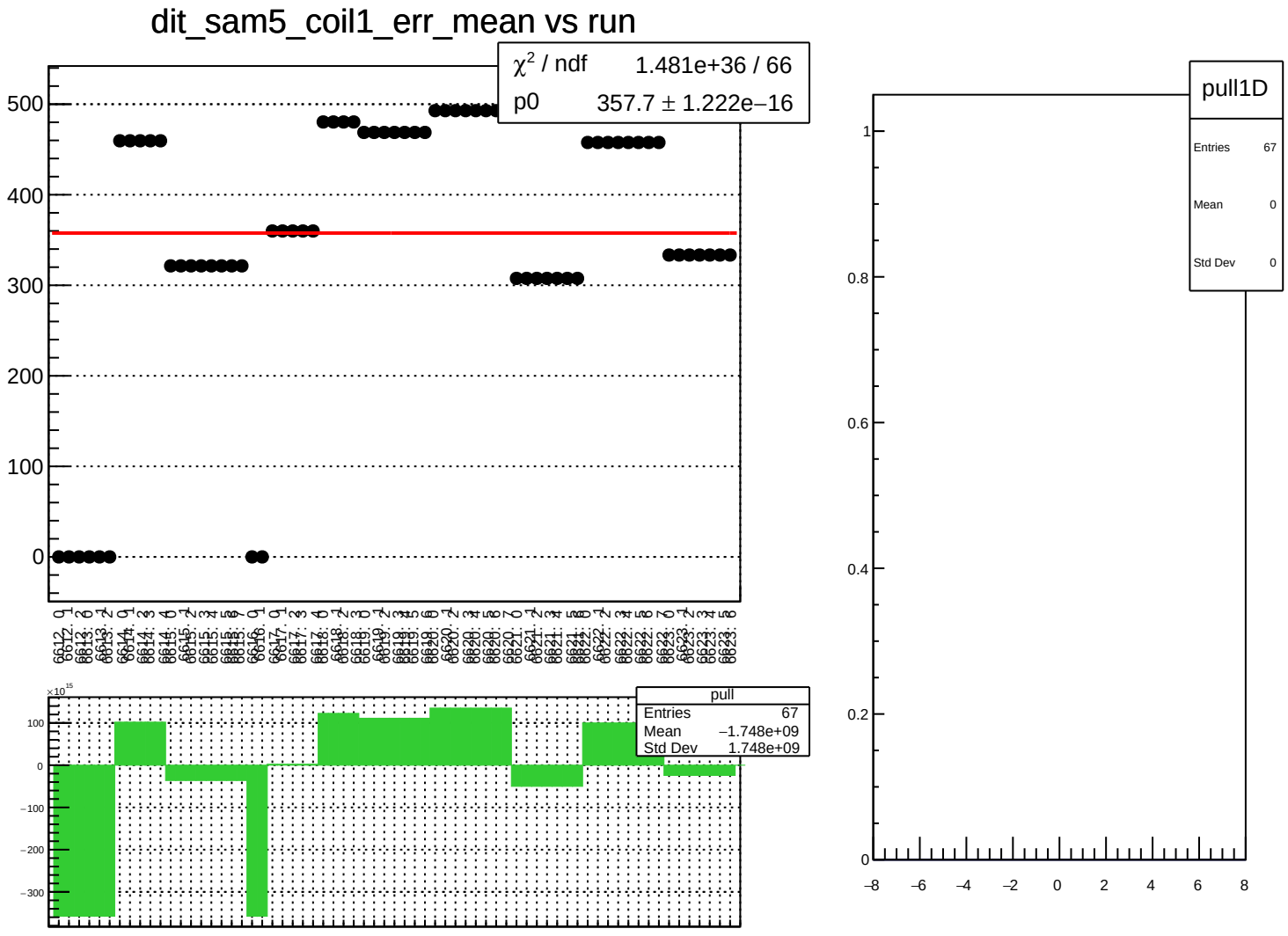

dit_sam4_coil1_err_mean vs run
χ² / ndf 9.576e+37 / 66
p0 2633 ± 1.222e−16
pull
Entries 67
Mean 5.677e+08
Std Dev 5.677e+08

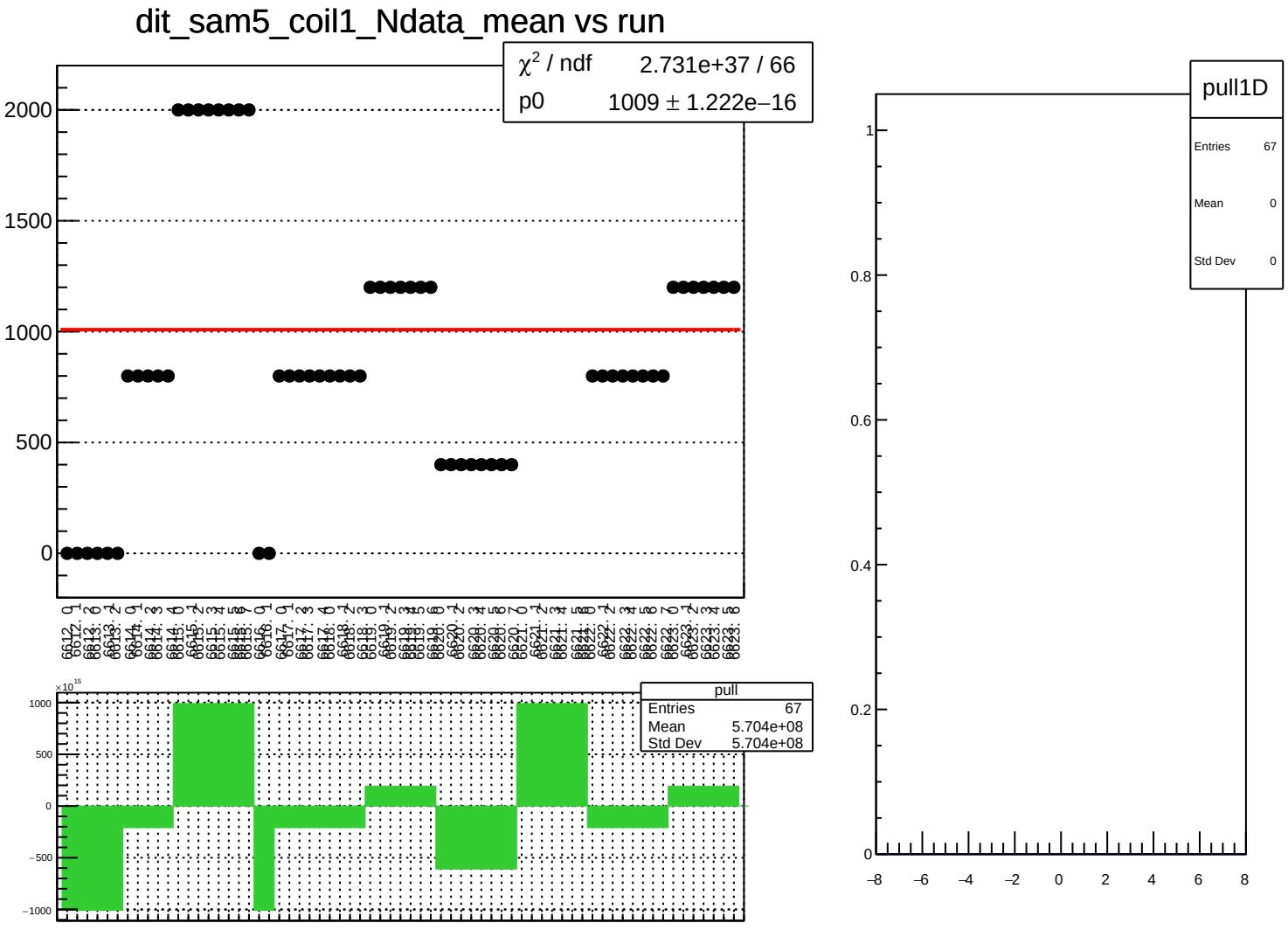

pull1D
Entries 67
Mean 0
Std Dev 0


dit_sam4_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

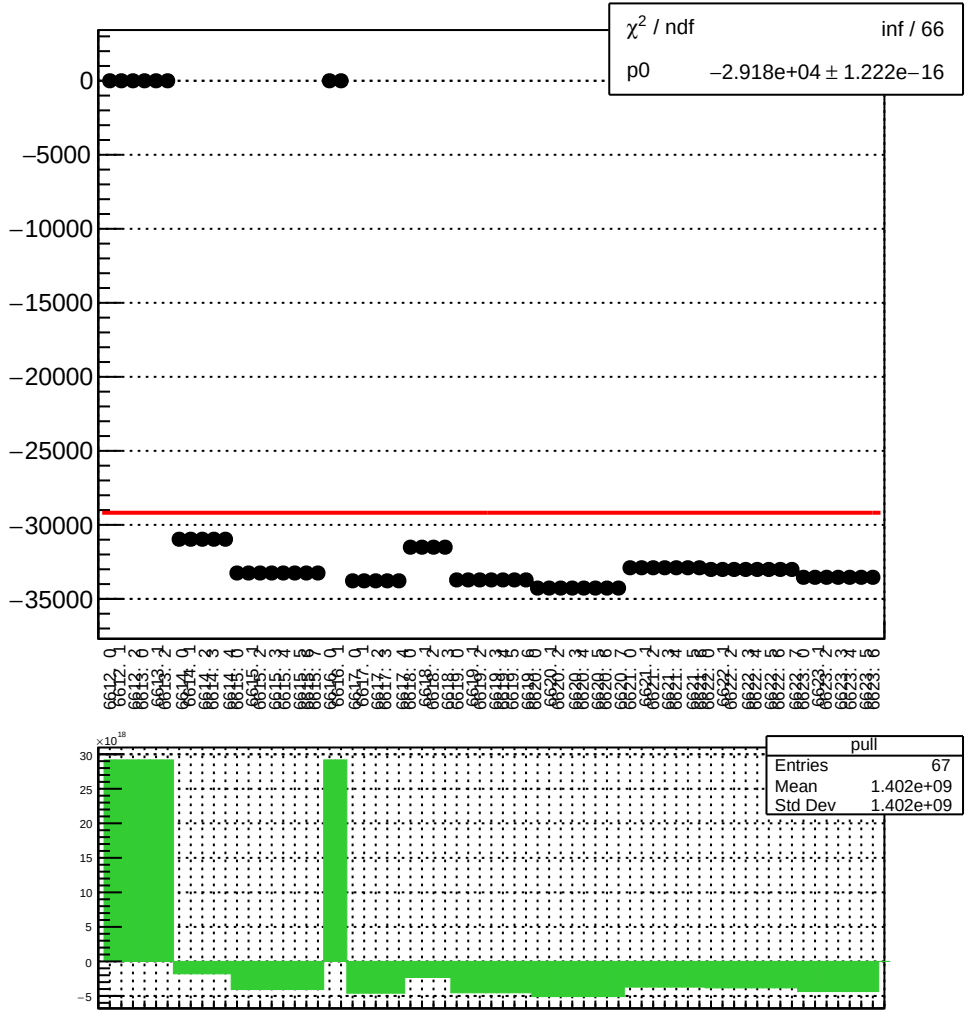

dit_sam5_coil1_mean vs run
χ² / ndf 1.947e+37 / 66
p0 −1179 ± 1.222e−16
pull
Entries 67
Mean −7.64e+08
Std Dev 7.64e+08

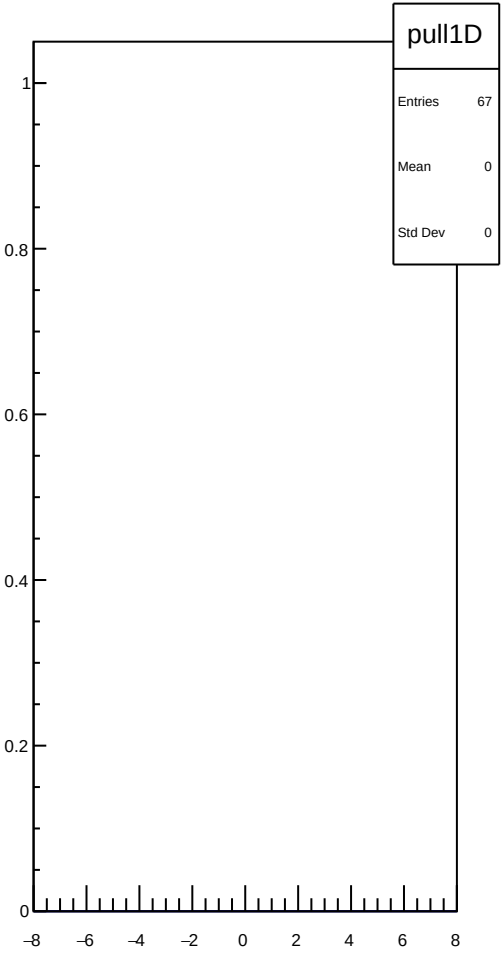

pull1D
Entries 67
Mean 0
Std Dev 0

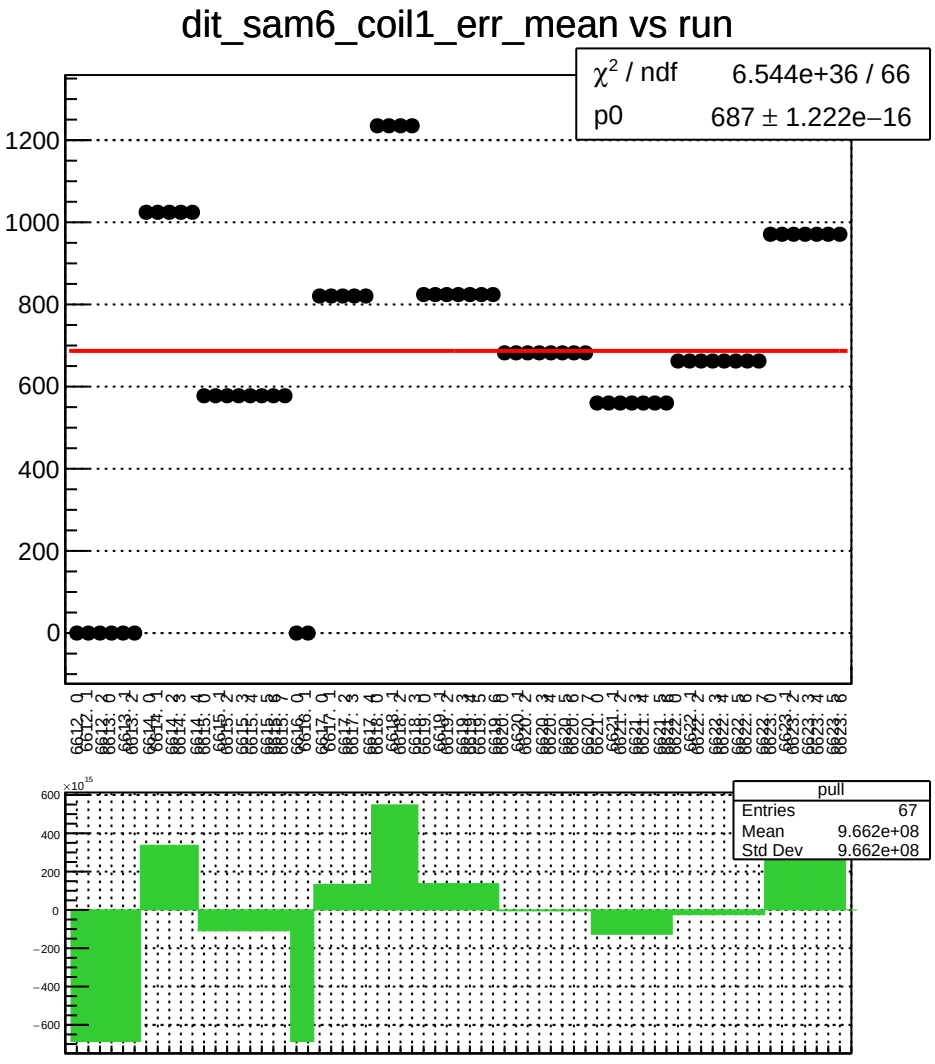

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.481e+36 / 66
p0 357.7 ± 1.222e−16
pull
Entries 67
Mean −1.748e+09
Std Dev 1.748e+09
pull1D
Entries 67
Mean 0
Std Dev 0

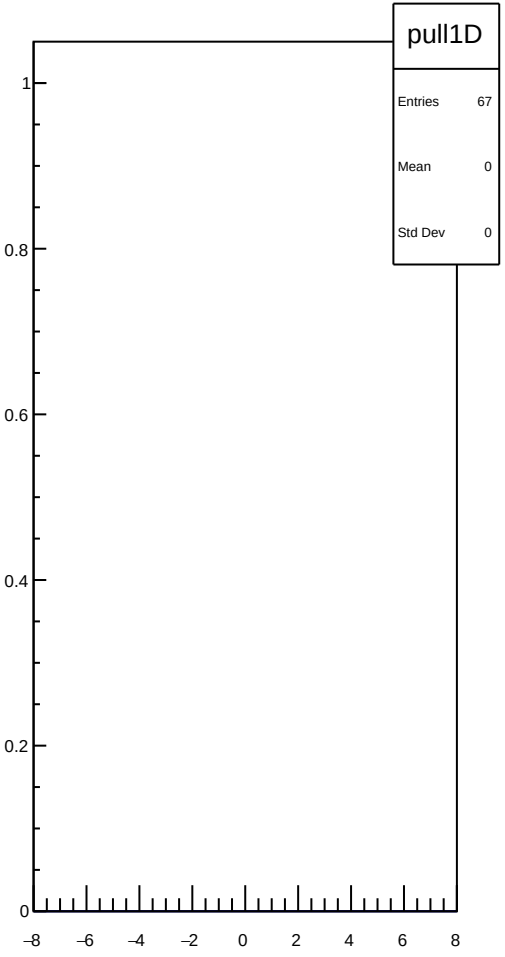

dit_sam5_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

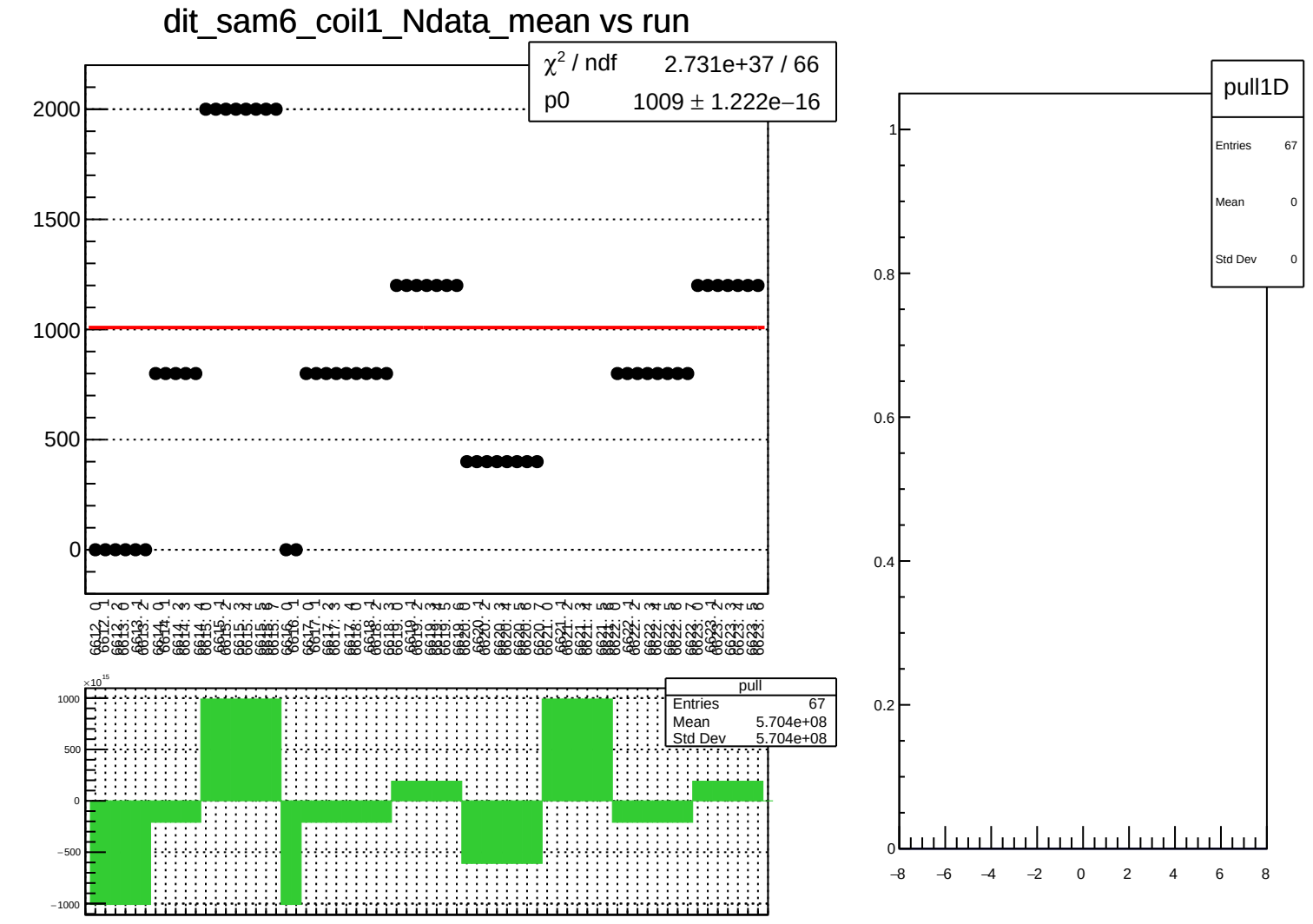
dit_sam6_coil1_mean vs run

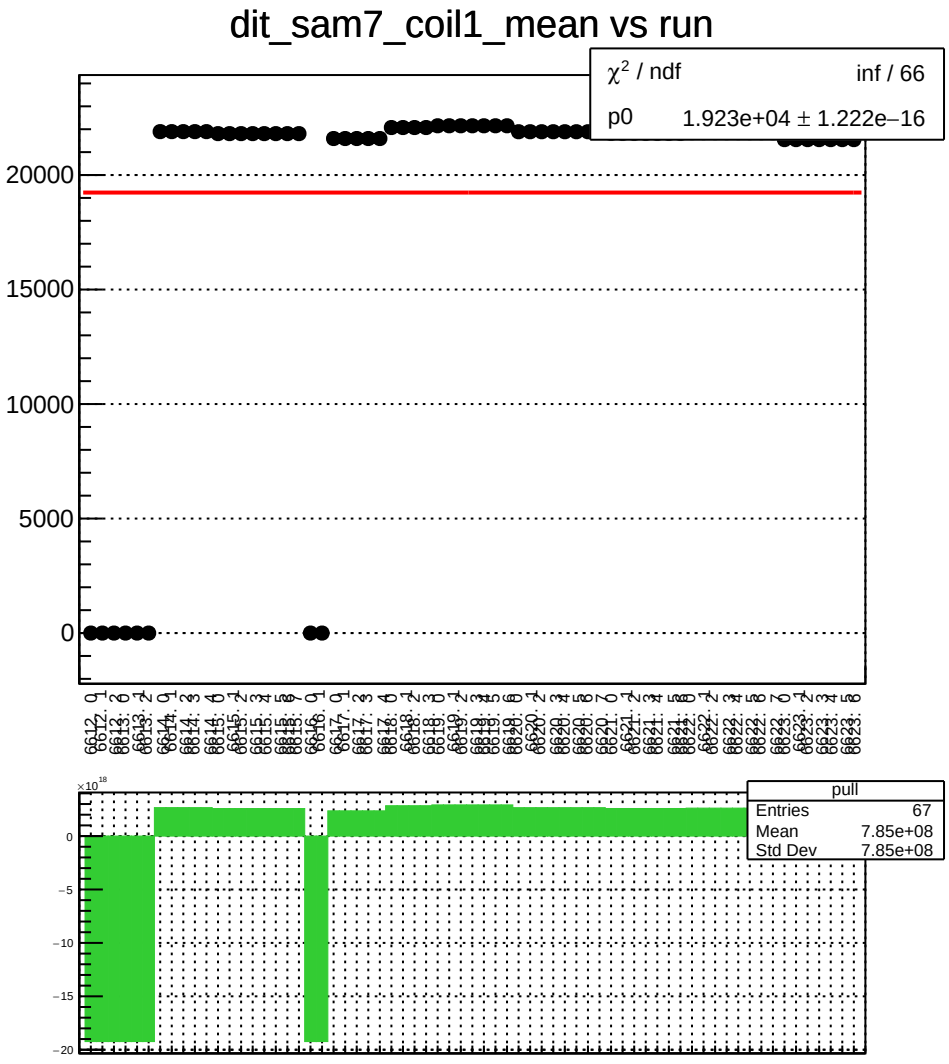


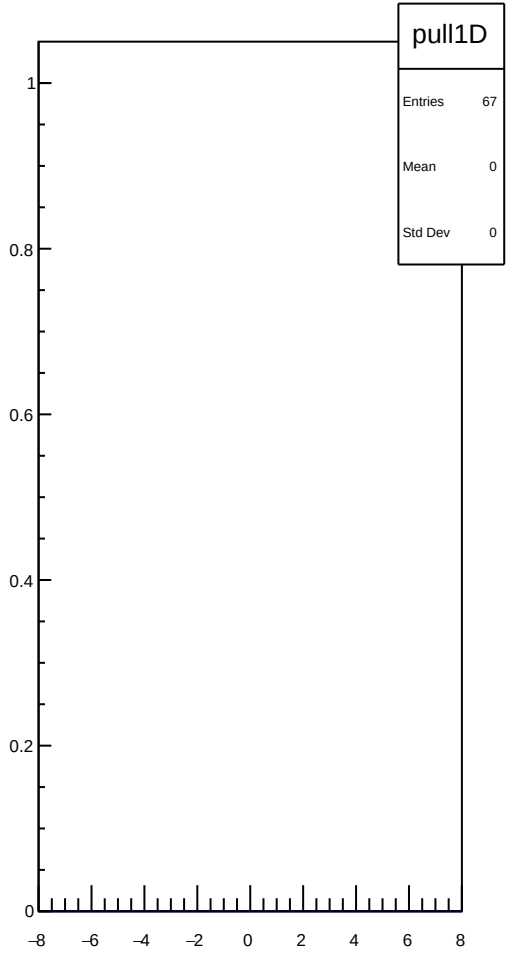


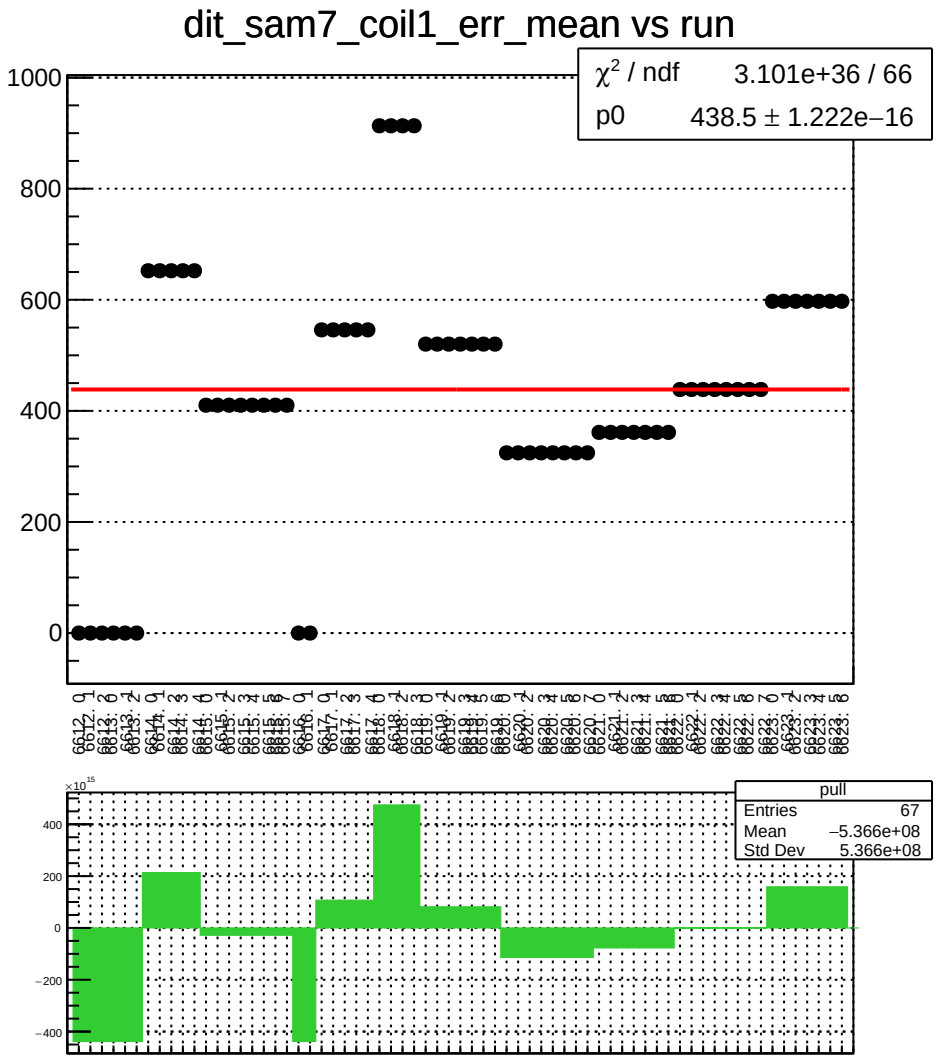

dit_sam6_coil1_err_mean vs run
χ^2 / ndf 6.544e+36 / 66
p0 687 ± 1.222e−16
pull
Entries 67
Mean 9.662e+08
Std Dev 9.662e+08

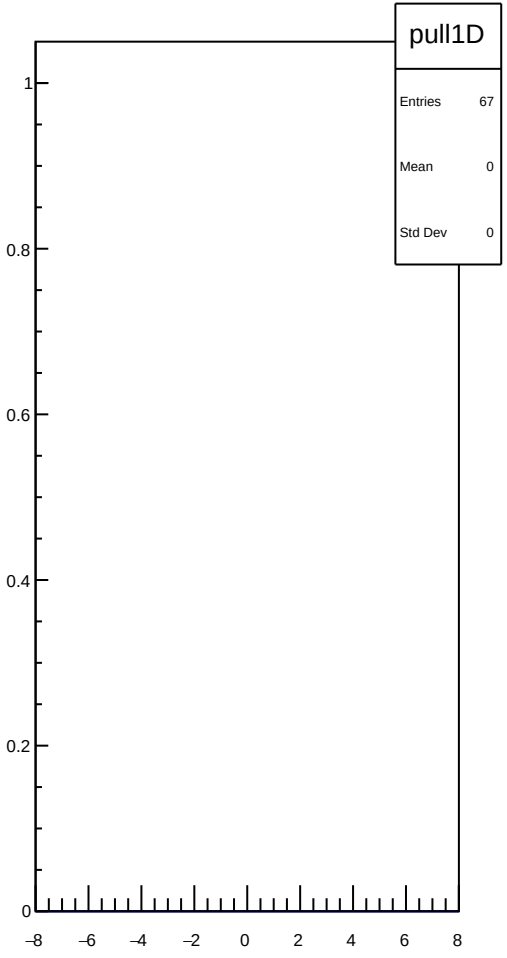

pull1D
Entries 67
Mean 0
Std Dev 0

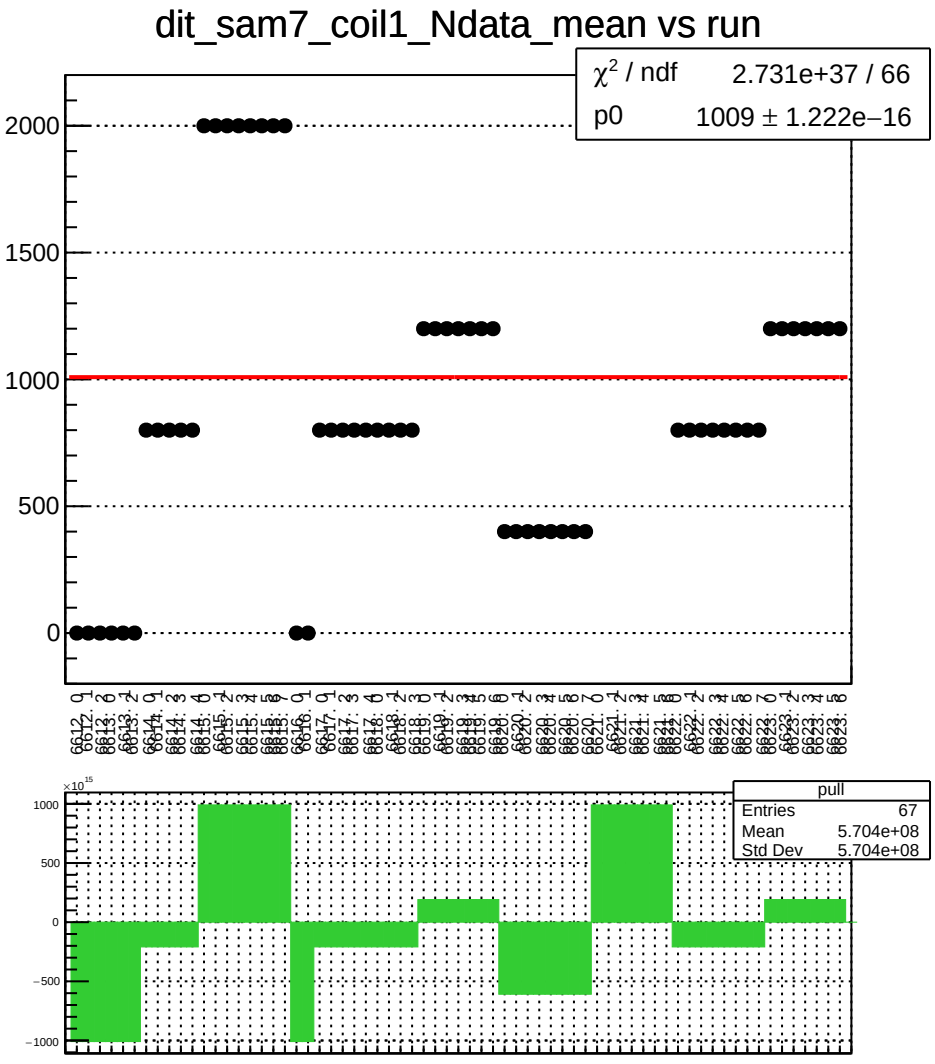

dit_sam6_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

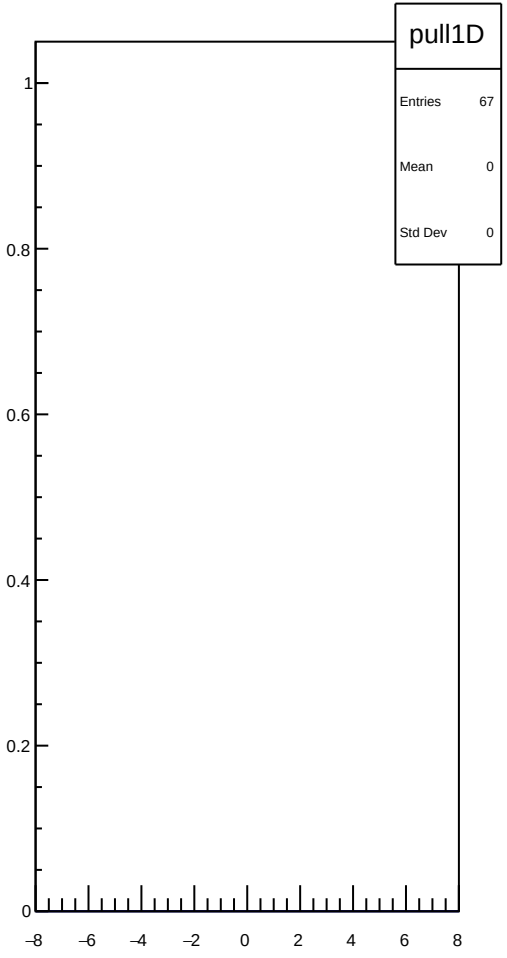

dit_sam7_coil1_mean vs run
χ² / ndf inf / 66
p0 1.923e+04 ± 1.222e−16
20000
15000
10000
5000
0
pull
Entries 67
Mean 7.85e+08
Std Dev 7.85e+08
×10¹⁸
0
−5
−10
−15
−20

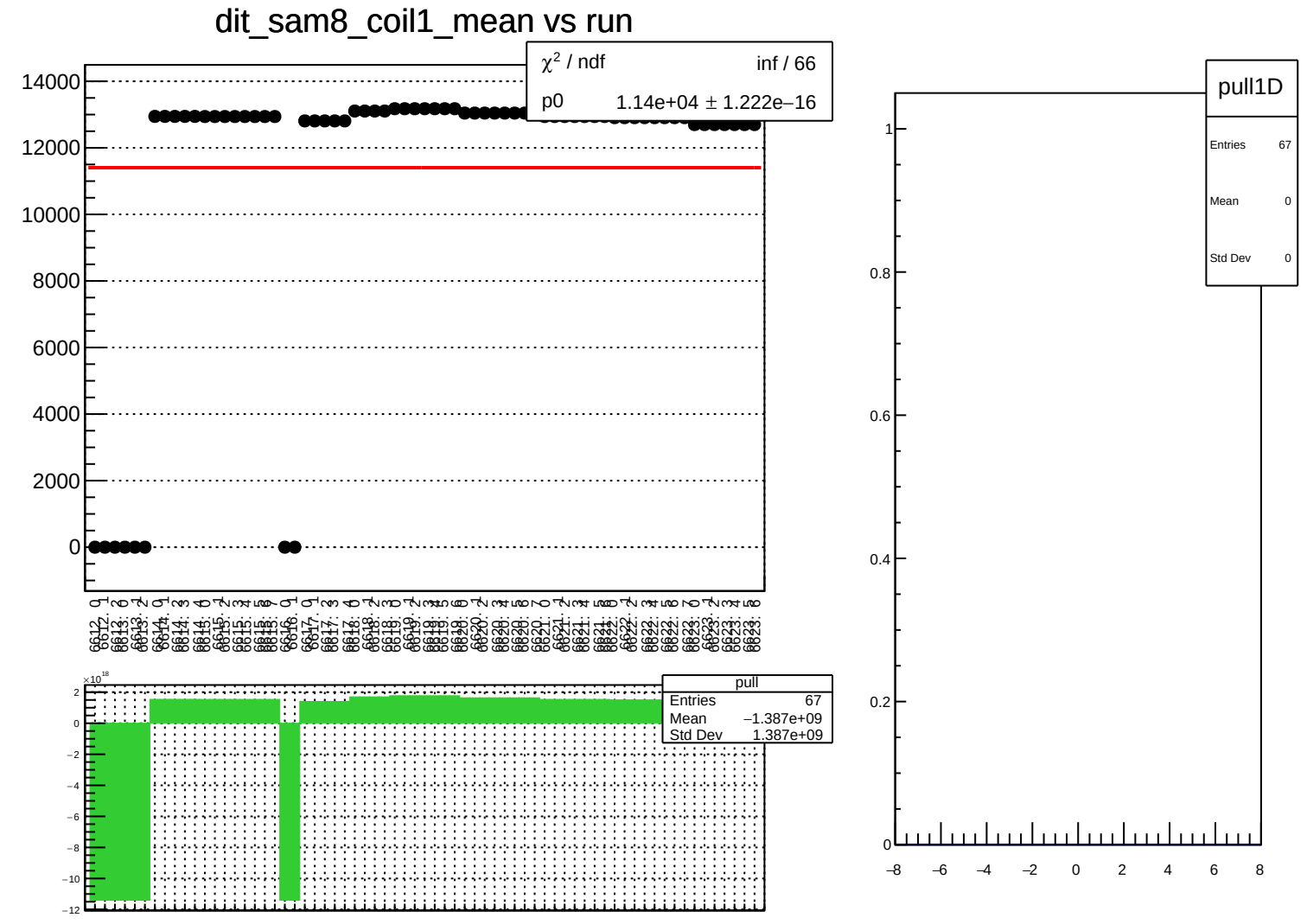

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_coil1_err_mean vs run
χ² / ndf 3.101e+36 / 66
p0 438.5 ± 1.222e−16
1000
800
600
400
200
0
pull
Entries 67
Mean −5.366e+08
Std Dev 5.366e+08
×10¹⁵
400
200
0
−200
−400

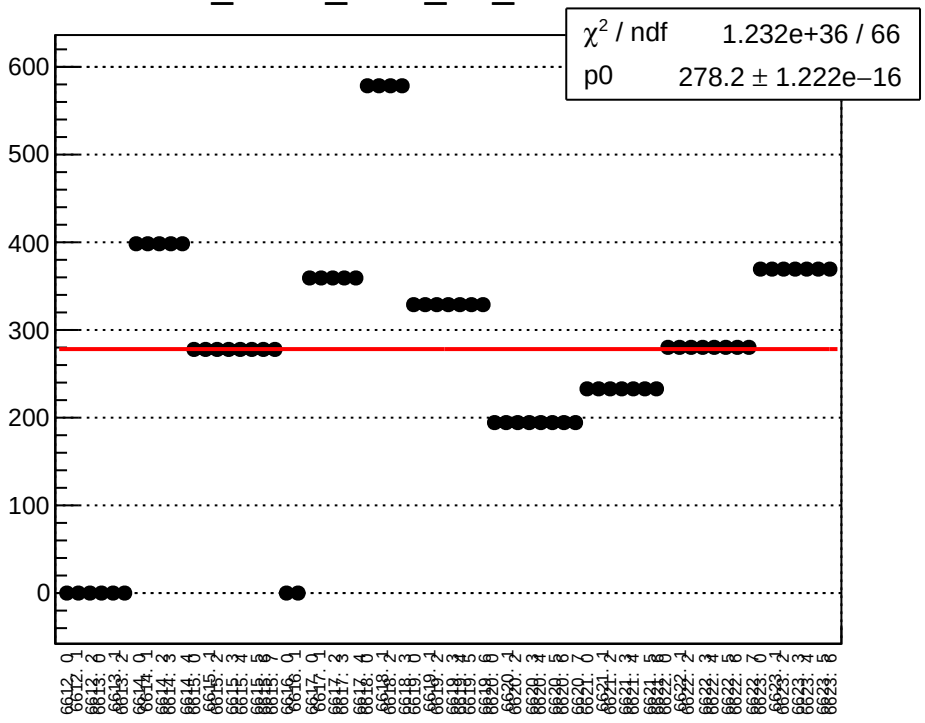

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

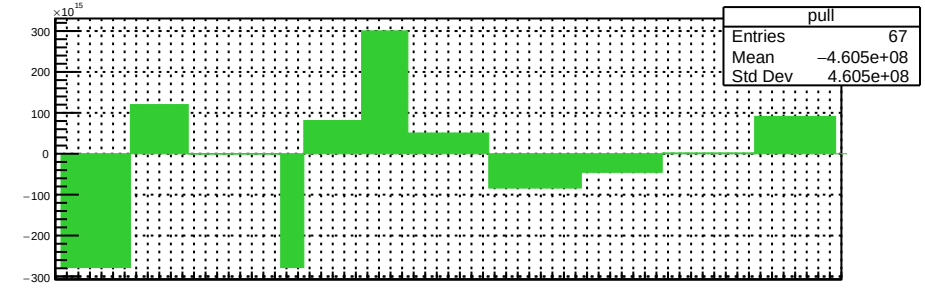

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
×10^15
1000
500
0
−500
−1000

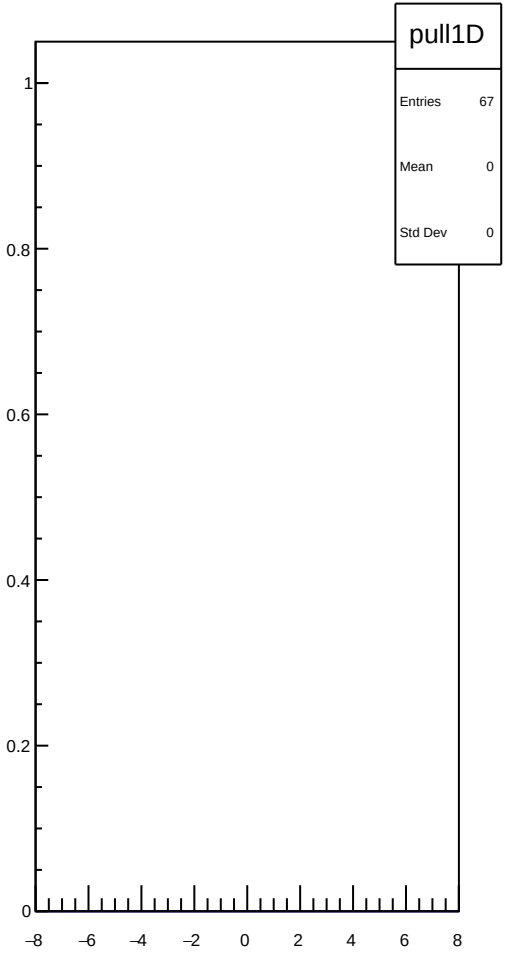

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

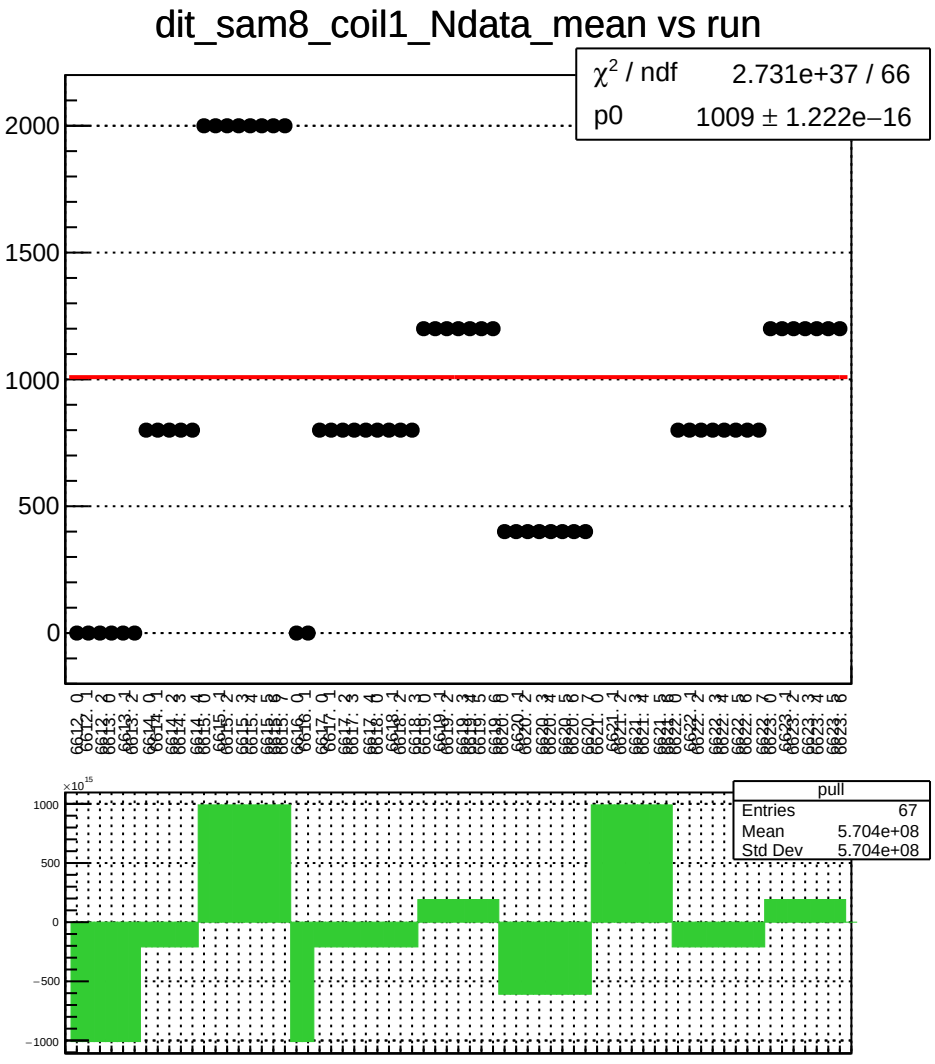

dit_sam8_coil1_mean vs run
χ² / ndf inf / 66
p0 1.14e+04 ± 1.222e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 67
Mean −1.387e+09
Std Dev 1.387e+09
×10^18
2
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

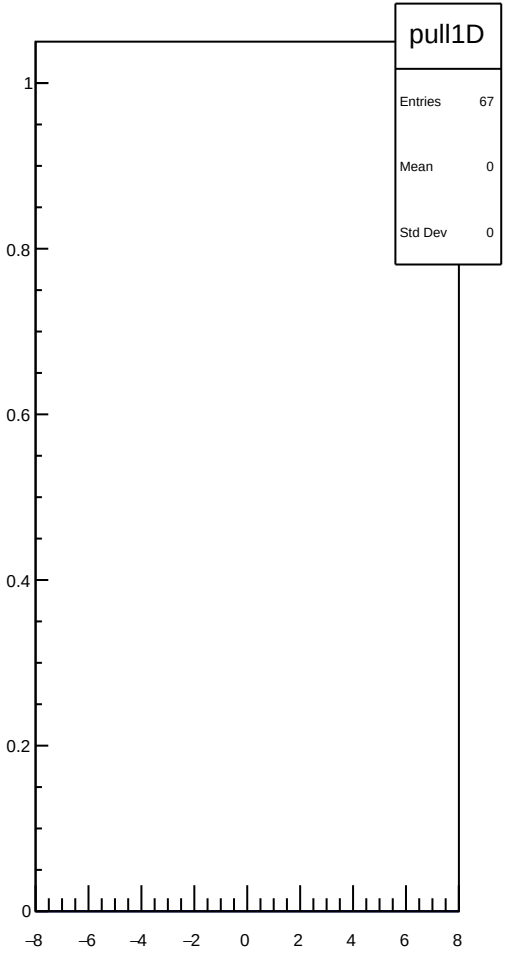
dit_sam8_coil1_err_mean vs run

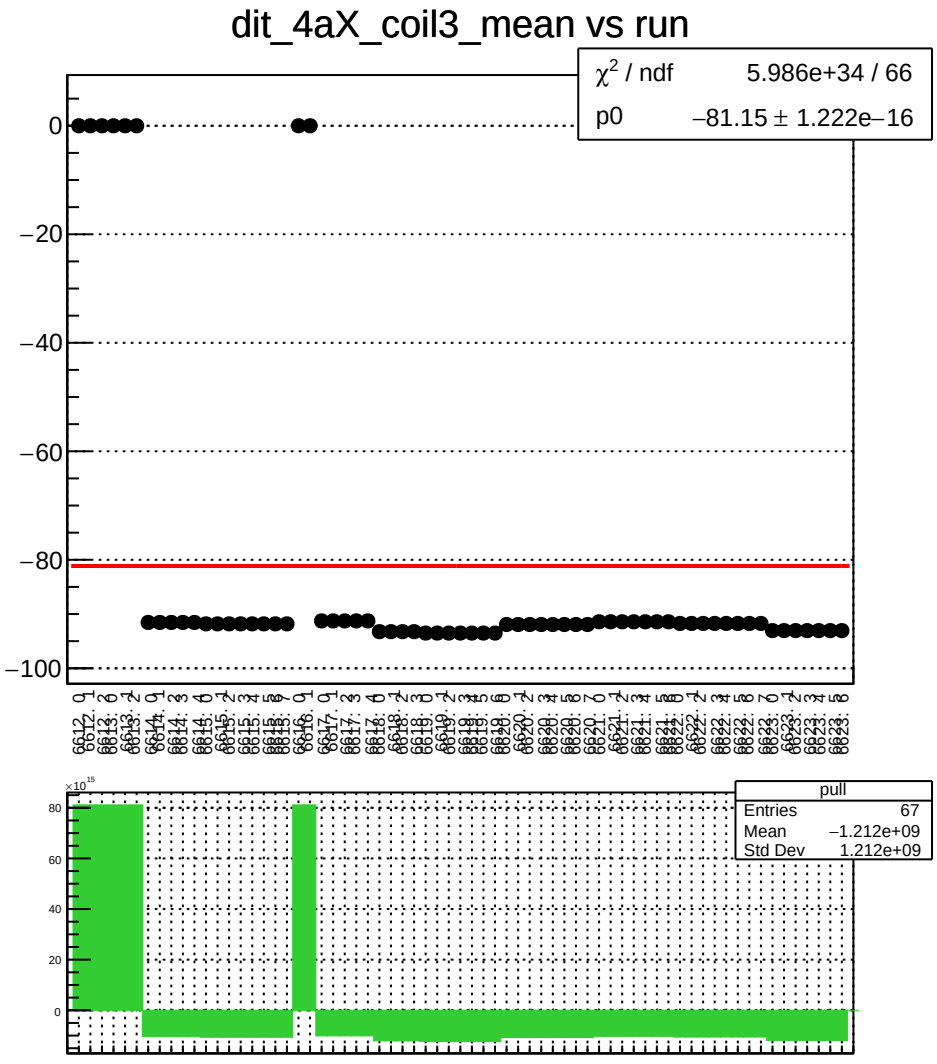


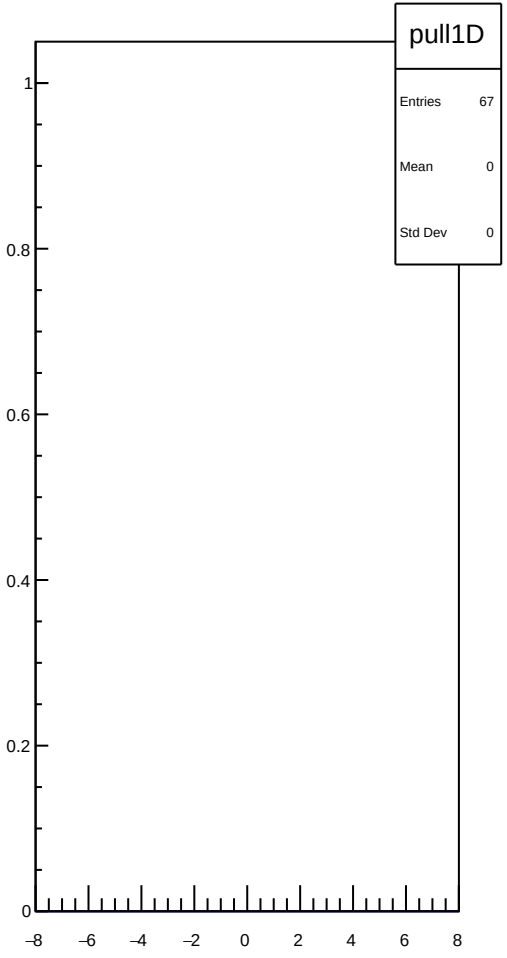




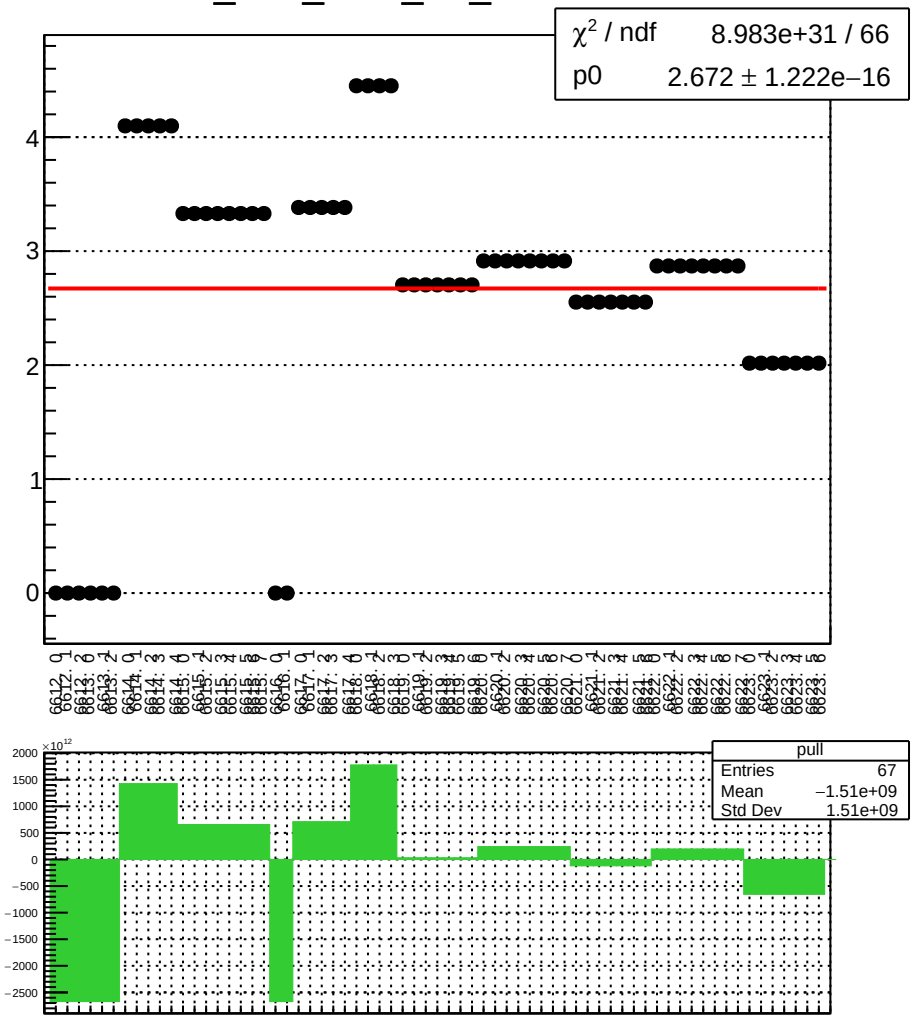

dit_sam8_coil1_Ndata_mean vs run
χ^2 / ndf 2.731e+37 / 66
p0 1009 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 5.704e+08
Std Dev 5.704e+08
1000
500
0
−500
−1000

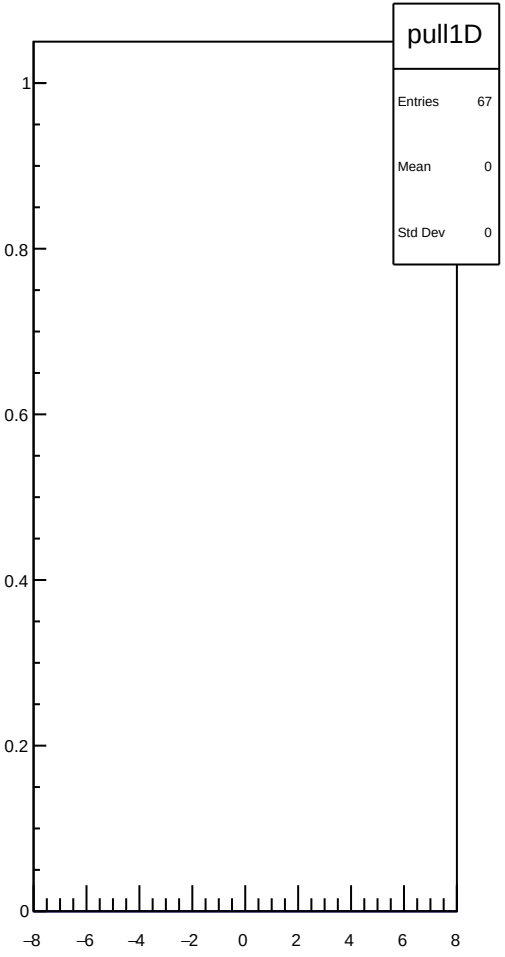

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4aX_coil3_mean vs run
χ^2 / ndf 5.986e+34 / 66
p0 −81.15 ± 1.222e−16
0
−20
−40
−60
−80
−100
pull
Entries 67
Mean −1.212e+09
Std Dev 1.212e+09
×10^15
80
60
40
20
0

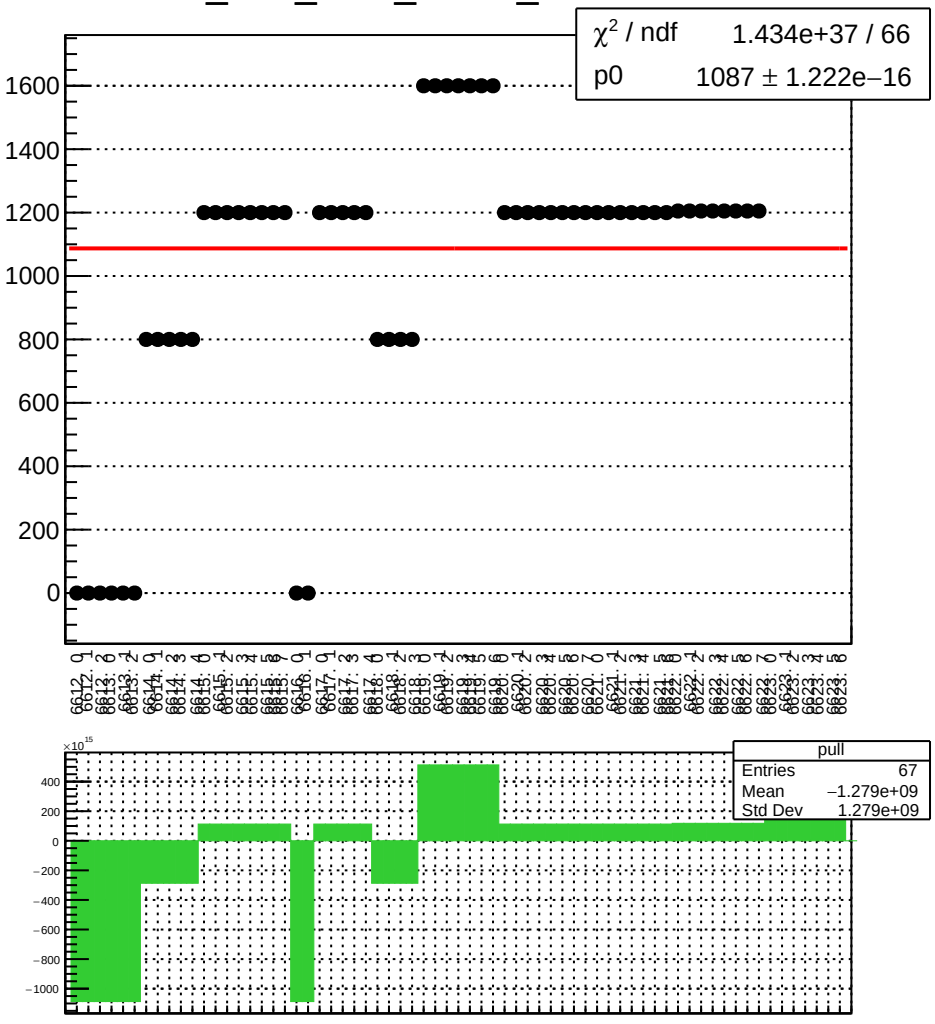

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

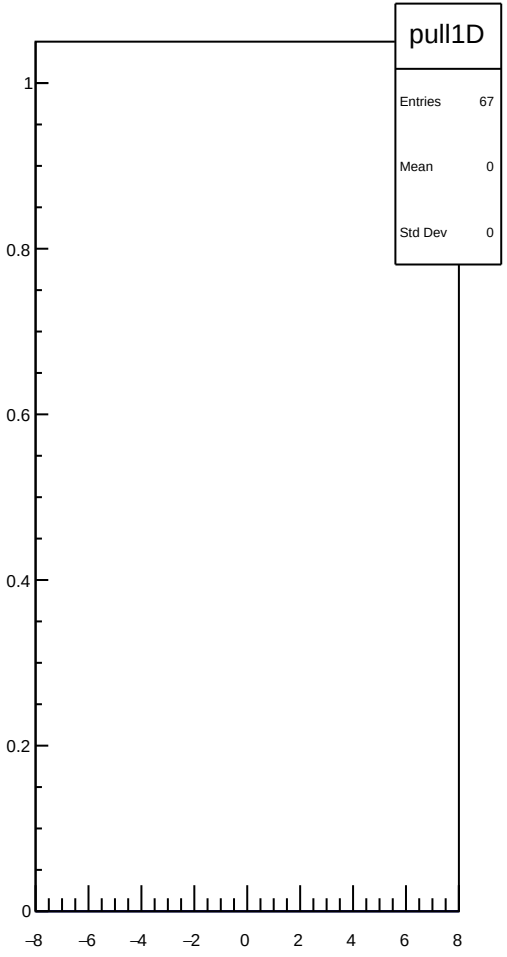
dit_4aX_coil3_err_mean vs run

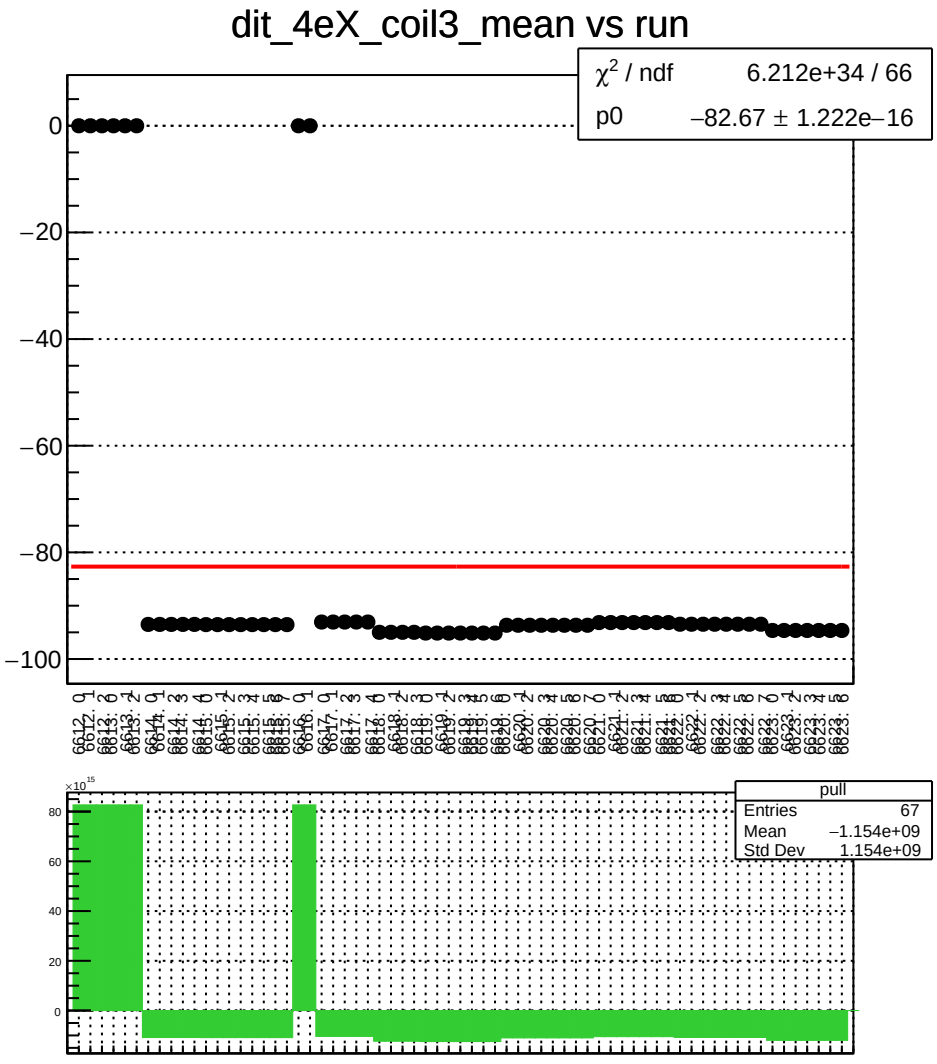


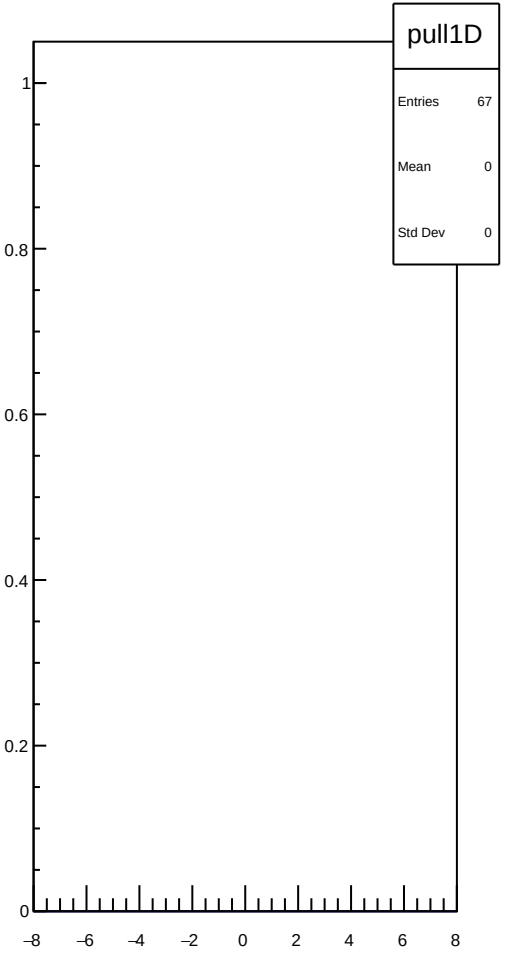


dit_4aX_coil3_Ndata_mean vs run

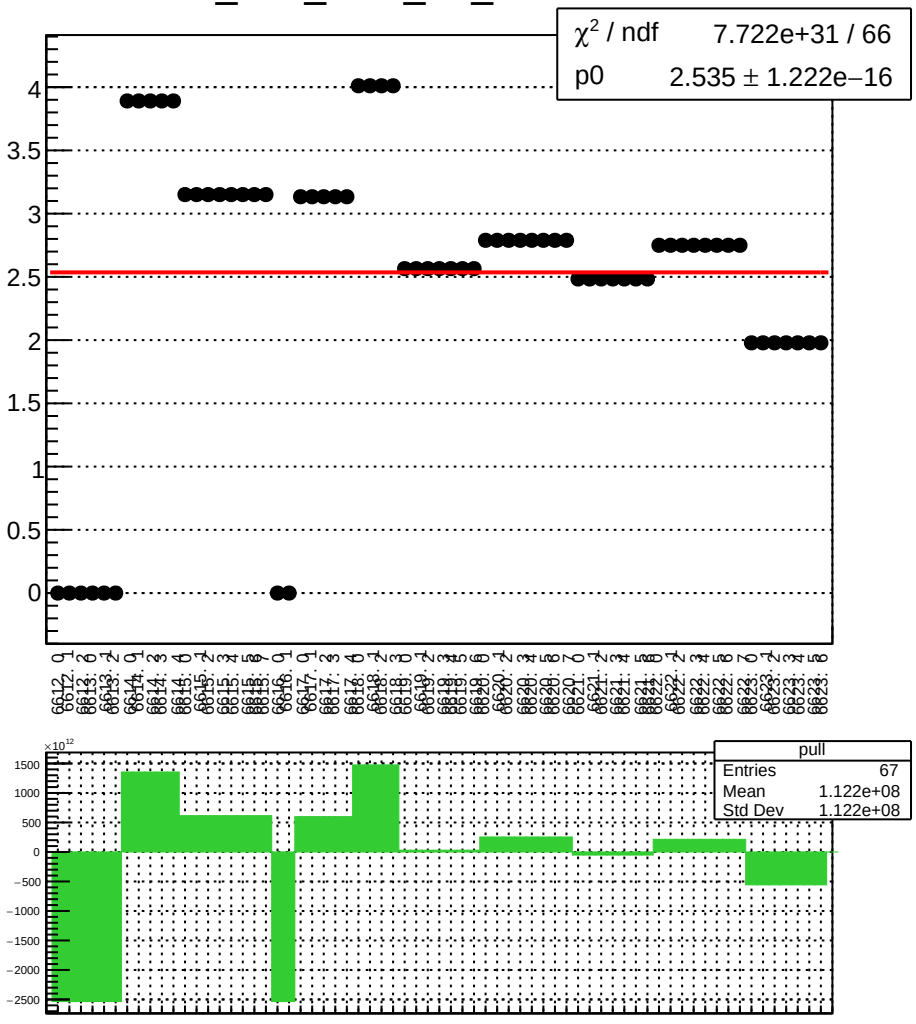


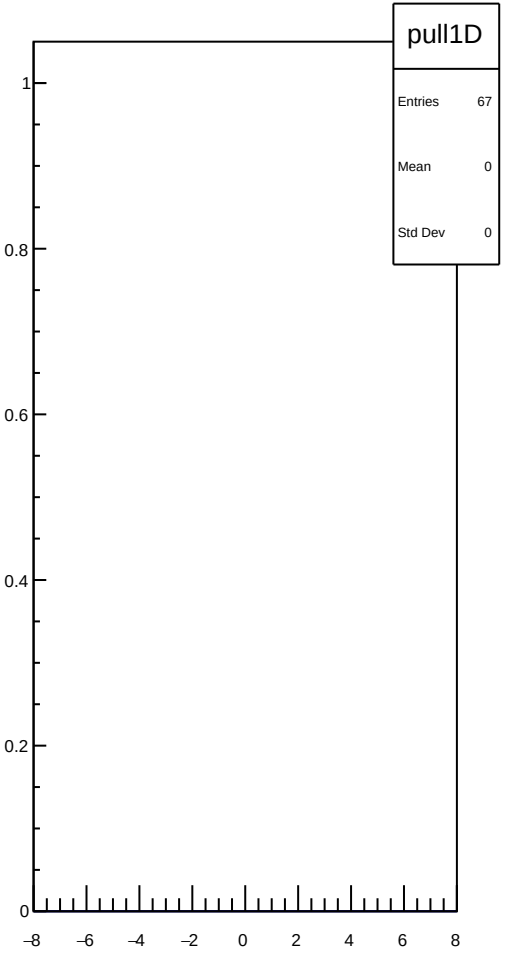



dit_4eX_coil3_mean vs run
χ^2 / ndf 6.212e+34 / 66
p0 −82.67 ± 1.222e−16
0
−20
−40
−60
−80
−100
pull
Entries 67
Mean −1.154e+09
Std Dev 1.154e+09
×10^15
80
60
40
20
0

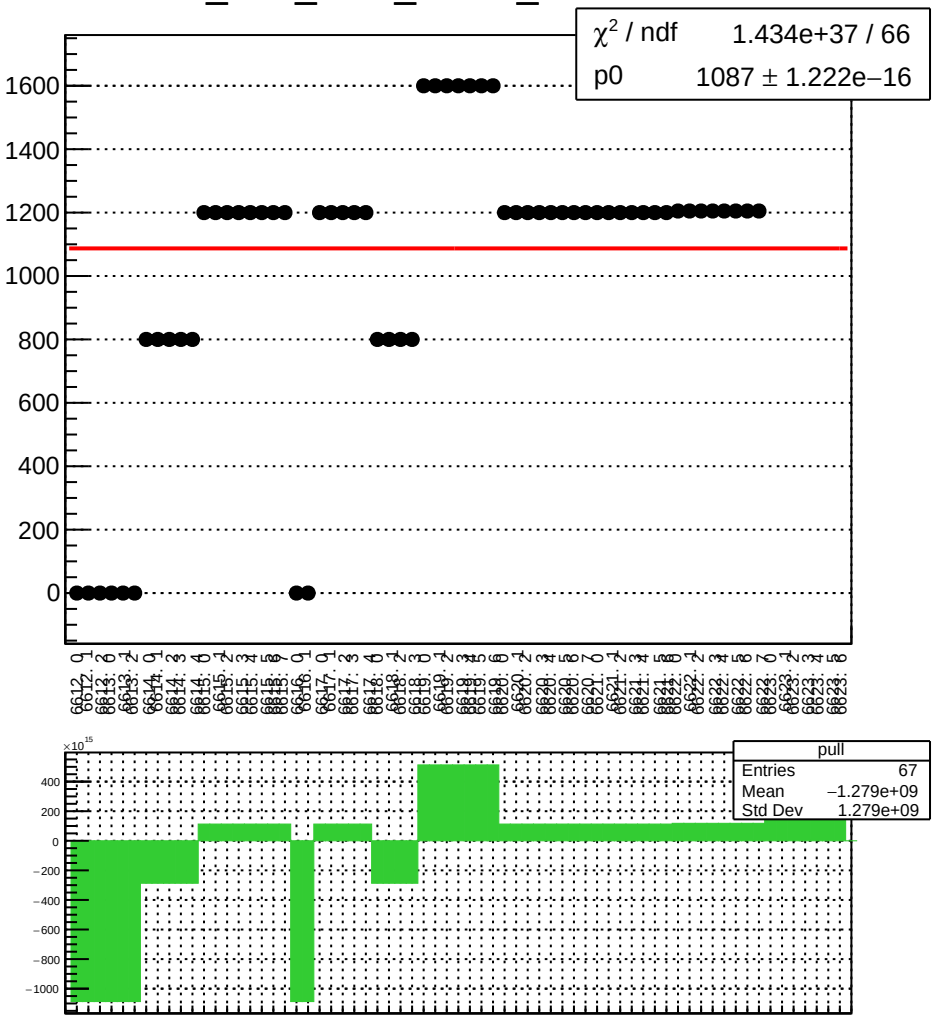

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

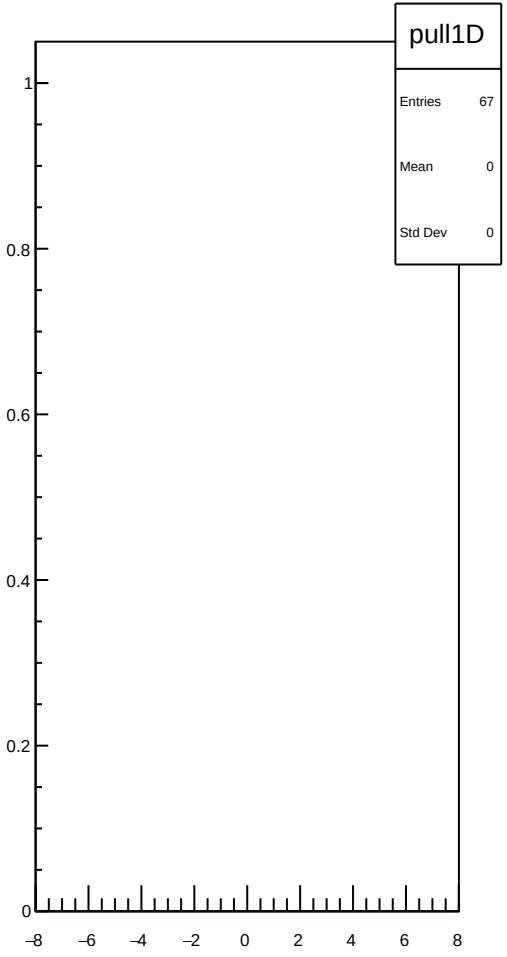
dit_4eX_coil3_err_mean vs run



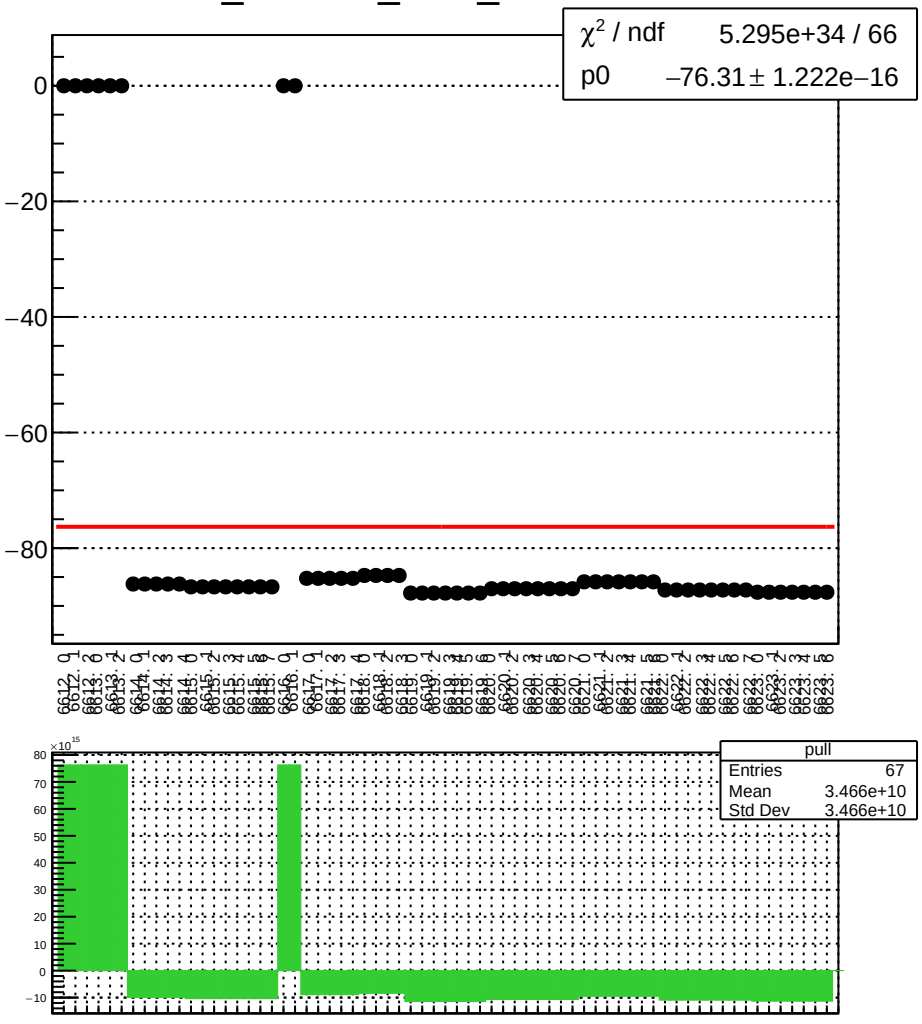


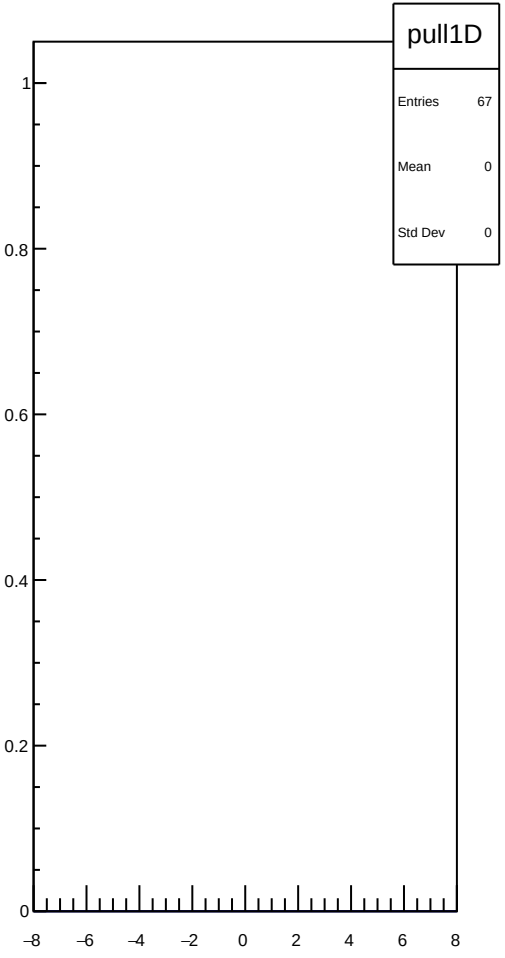
dit_4eX_coil3_Ndata_mean vs run



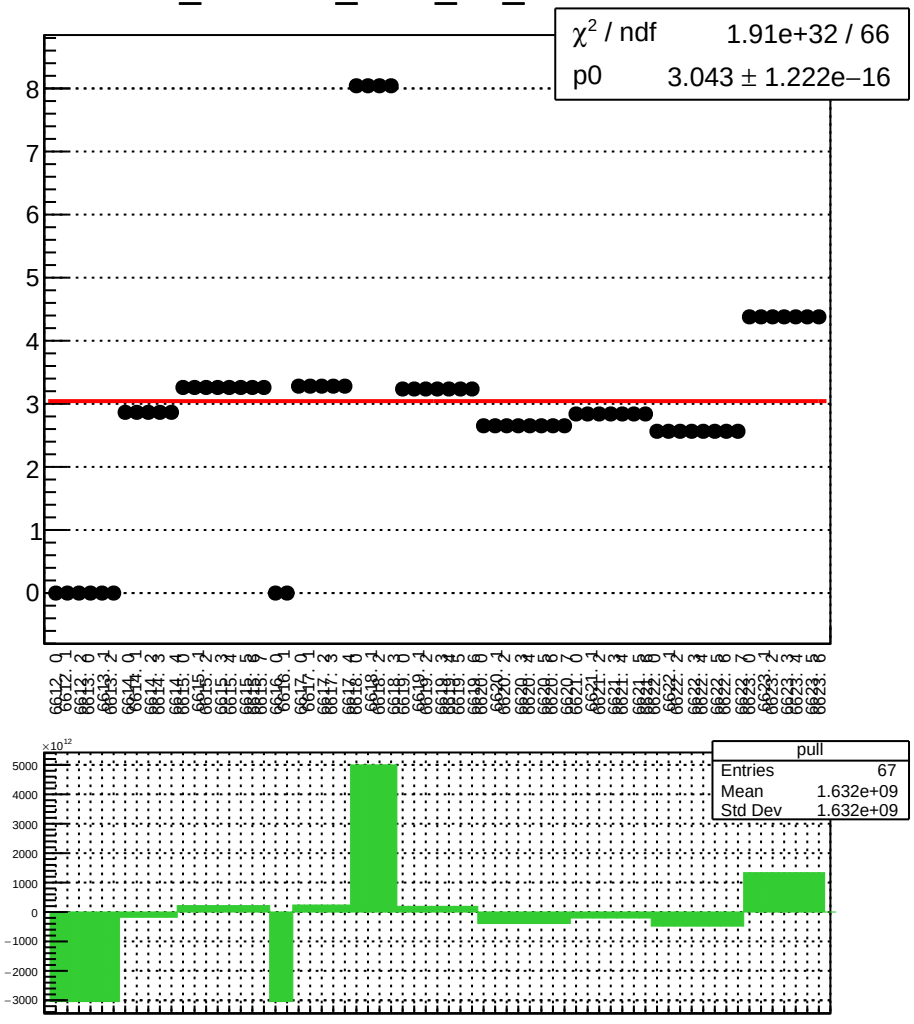


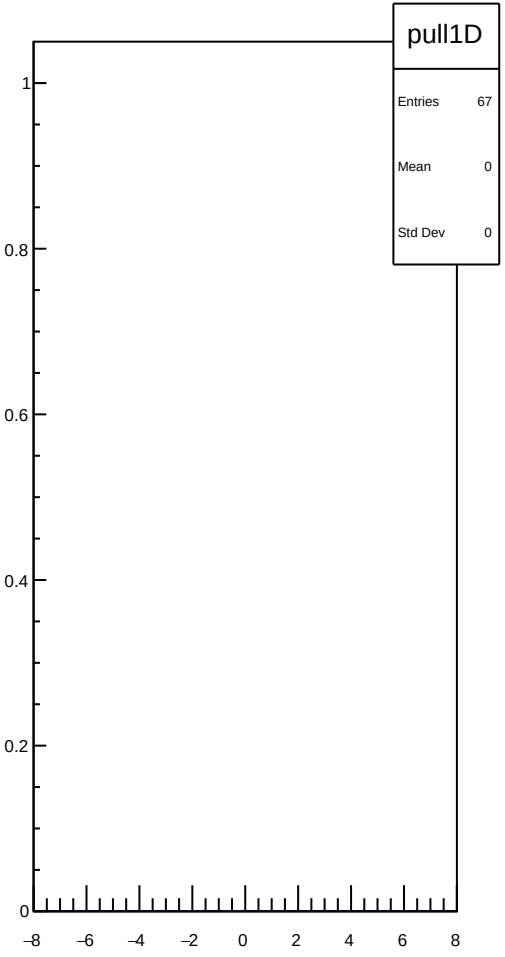
dit_11X12X_coil3_mean vs run



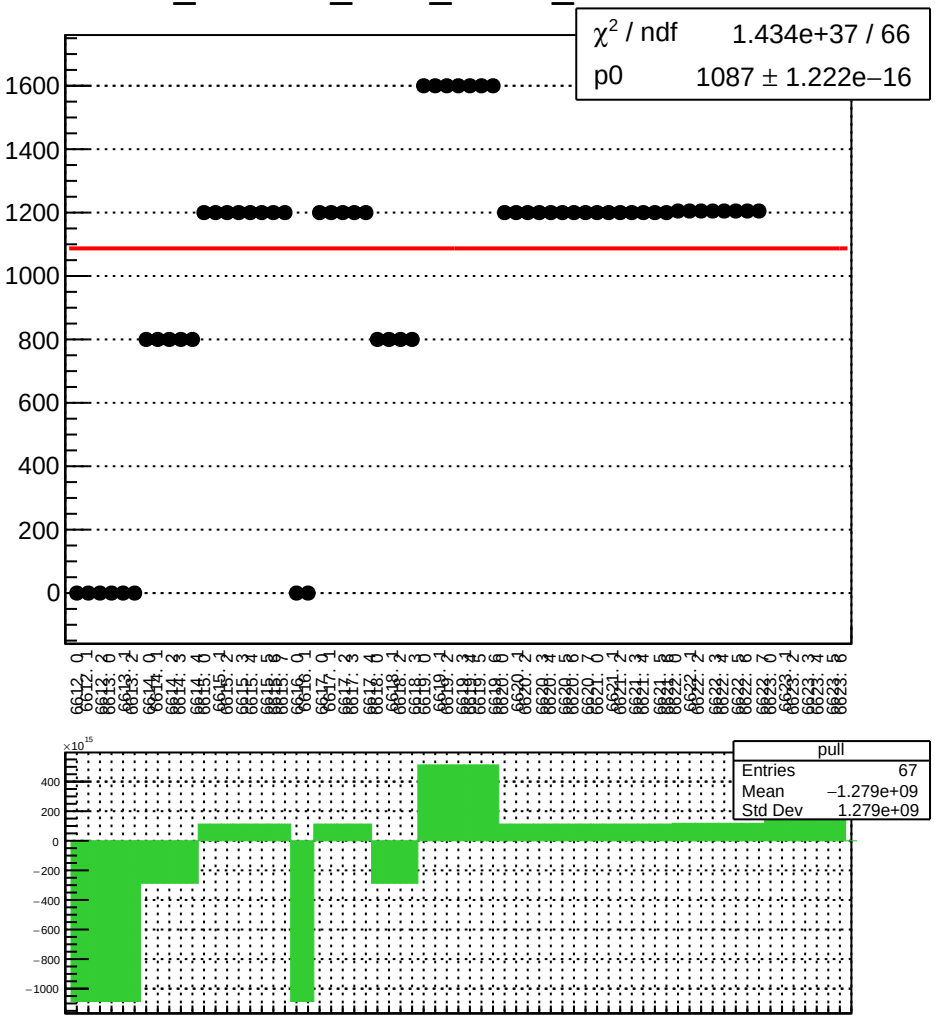


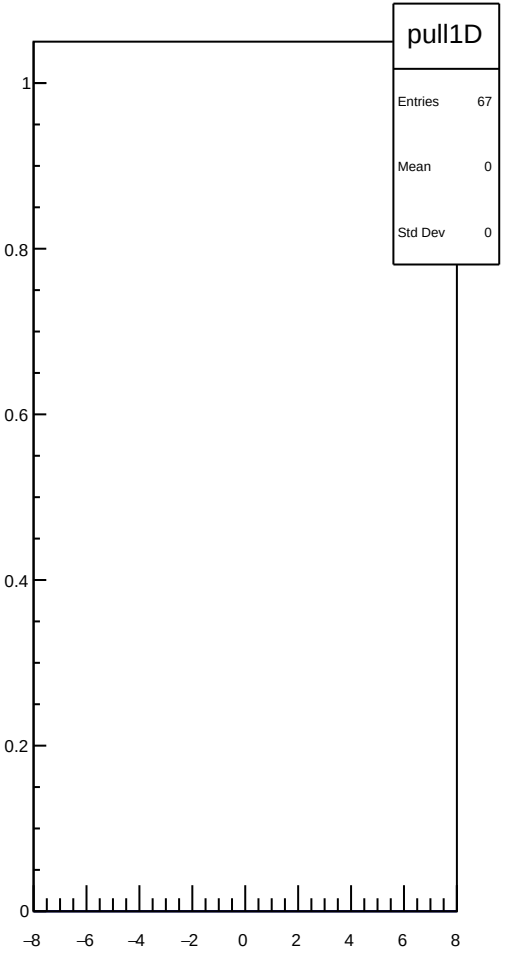
dit_11X12X_coil3_err_mean vs run

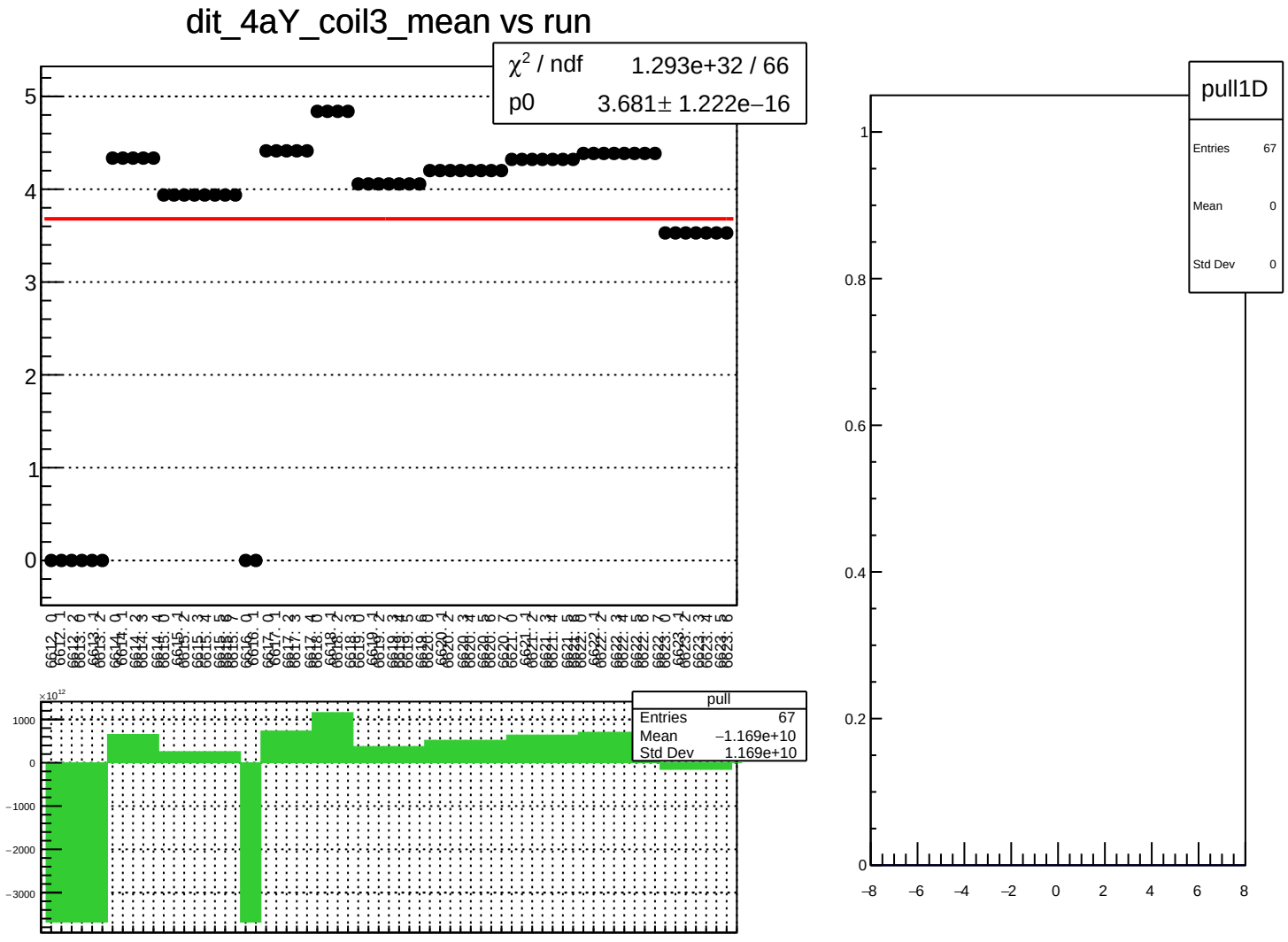




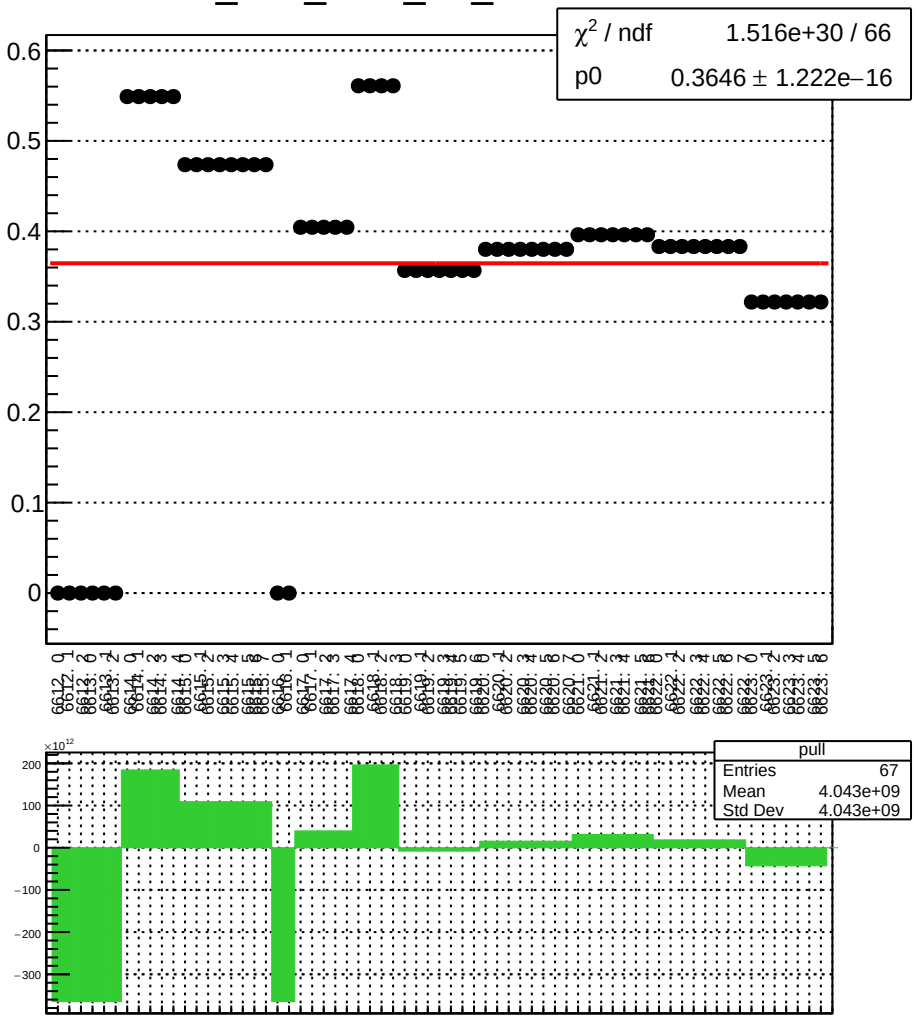
dit_11X12X_coil3_Ndata_mean vs run

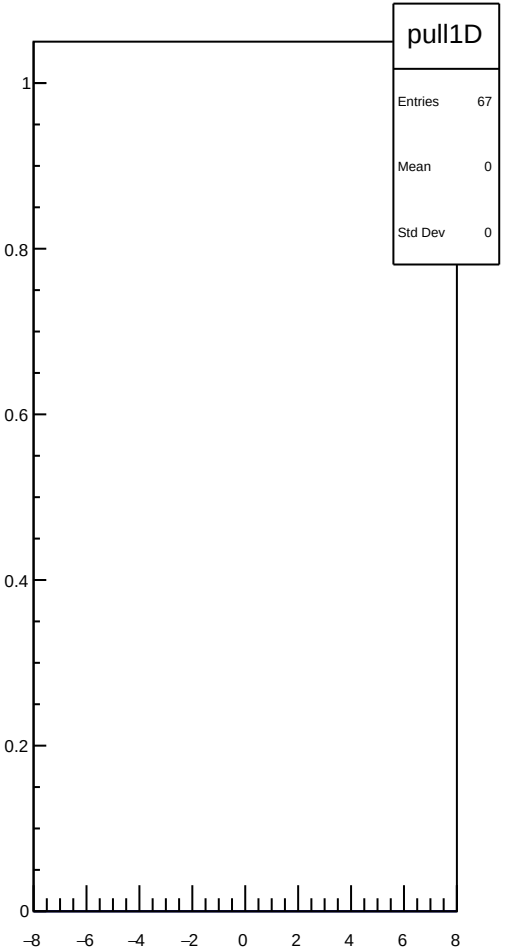


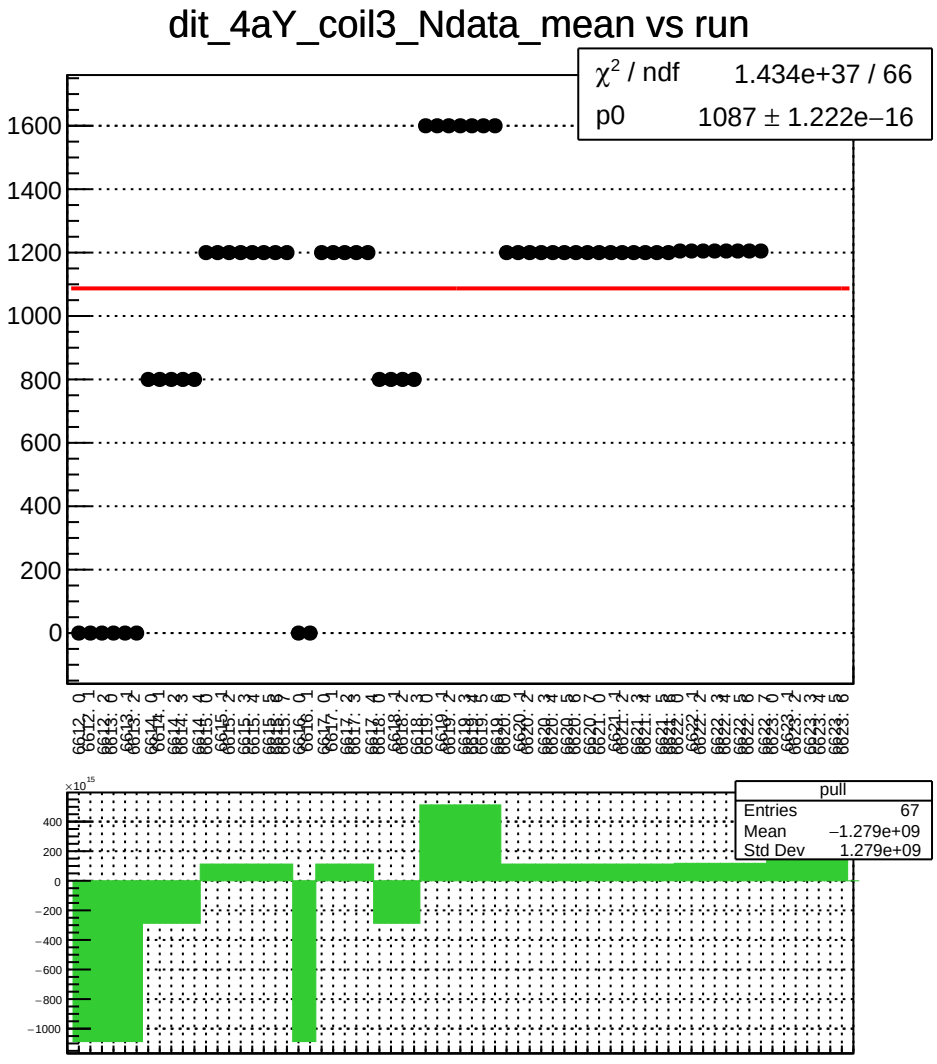


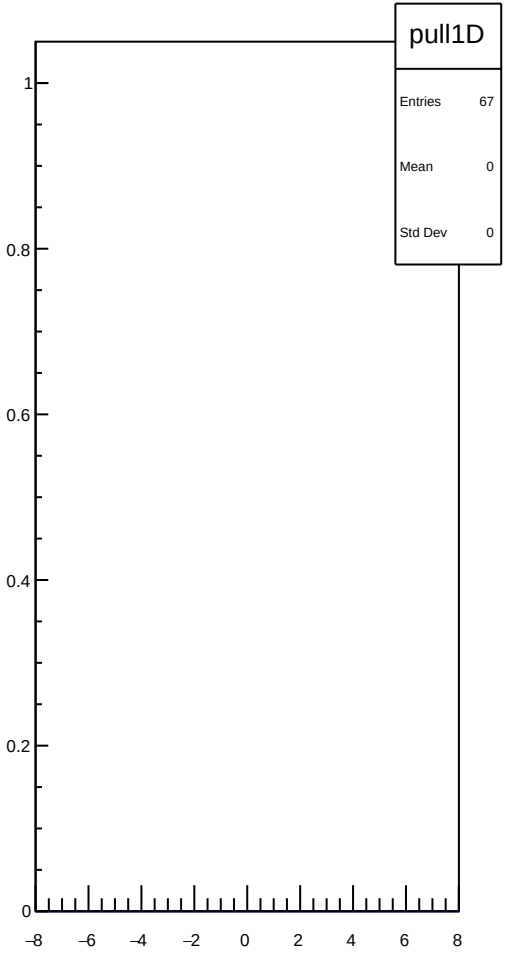

dit_4aY_coil3_mean vs run
χ² / ndf 1.293e+32 / 66
p0 3.681± 1.222e−16
pull
Entries 67
Mean −1.169e+10
Std Dev 1.169e+10
pull1D
Entries 67
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run

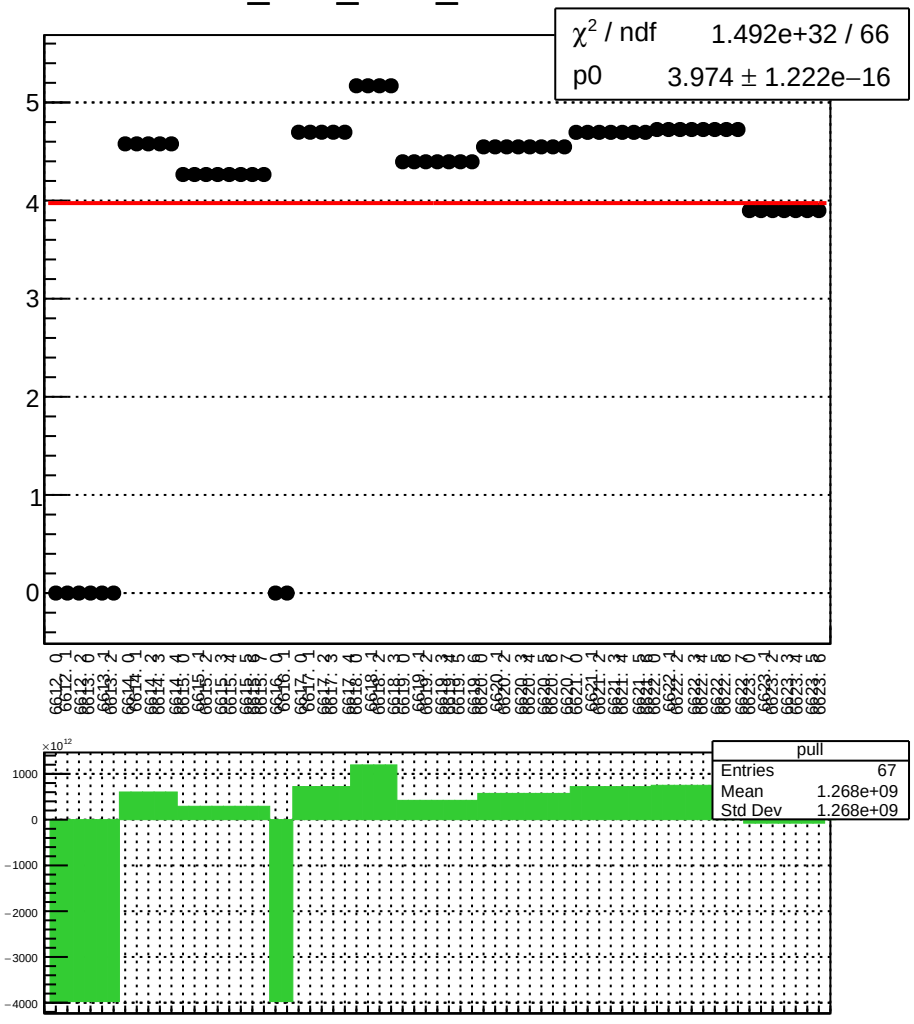


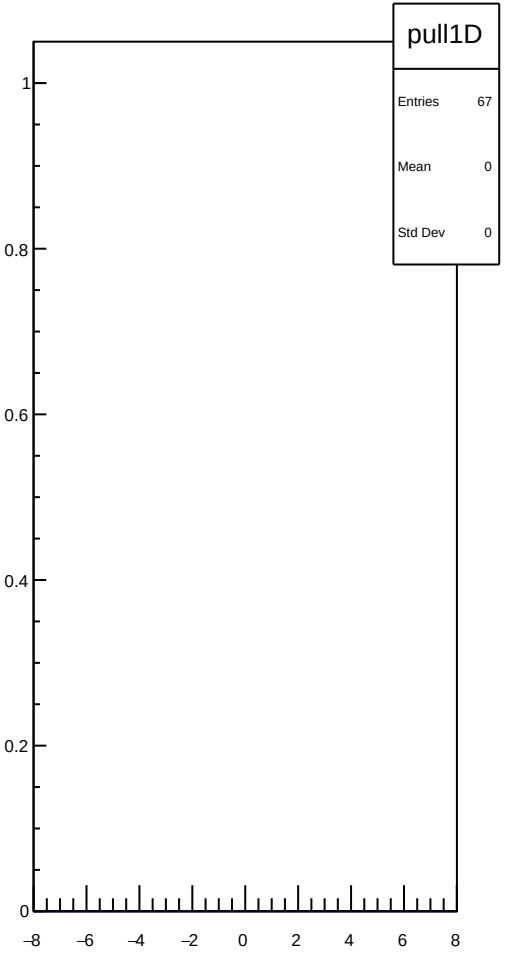



dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

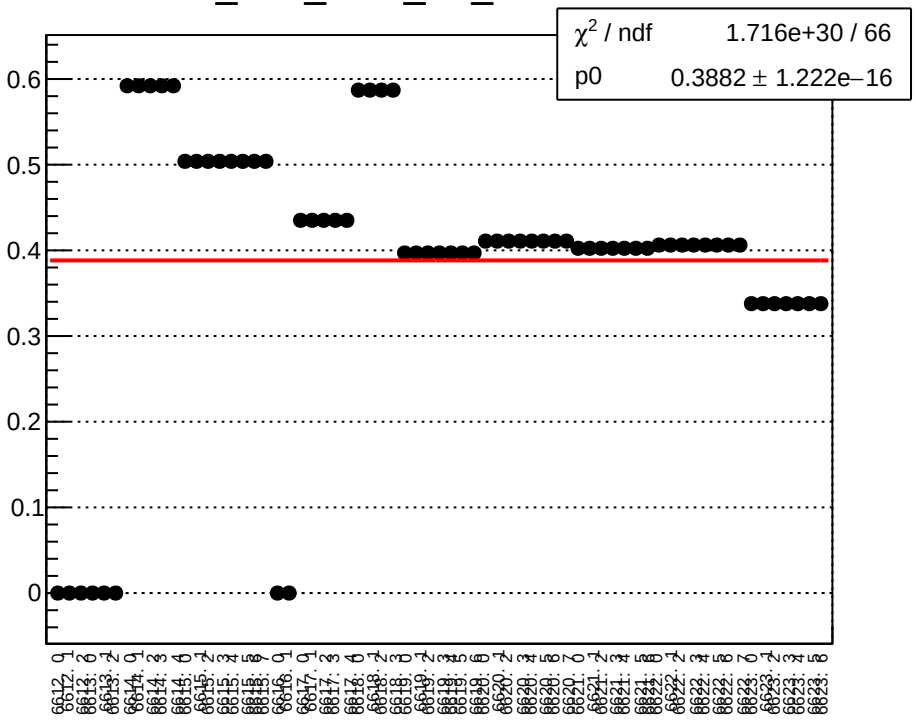

pull1D
Entries 67
Mean 0
Std Dev 0

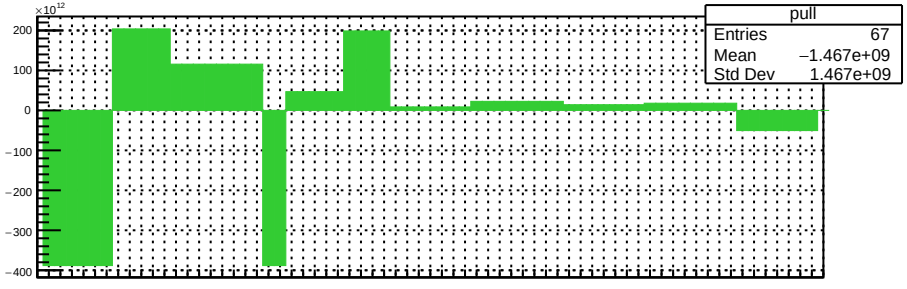
dit_4eY_coil3_mean vs run

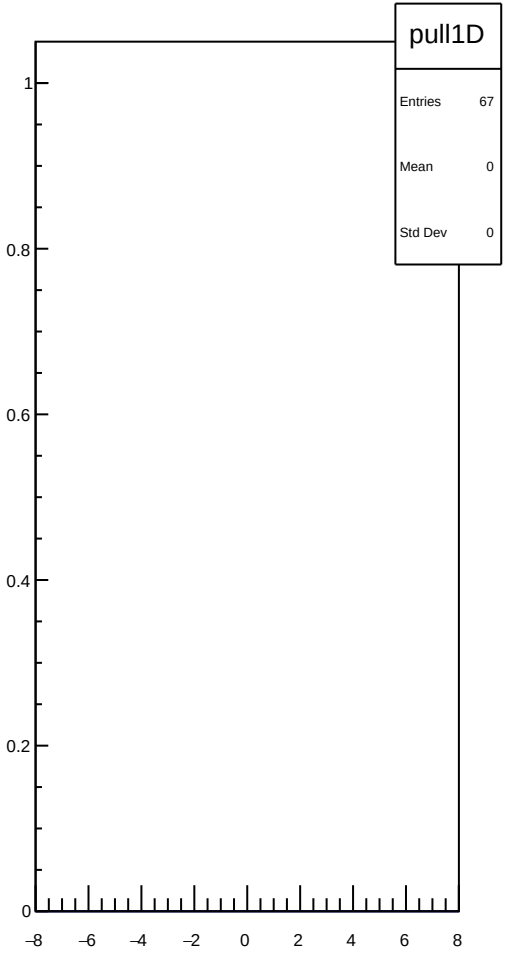


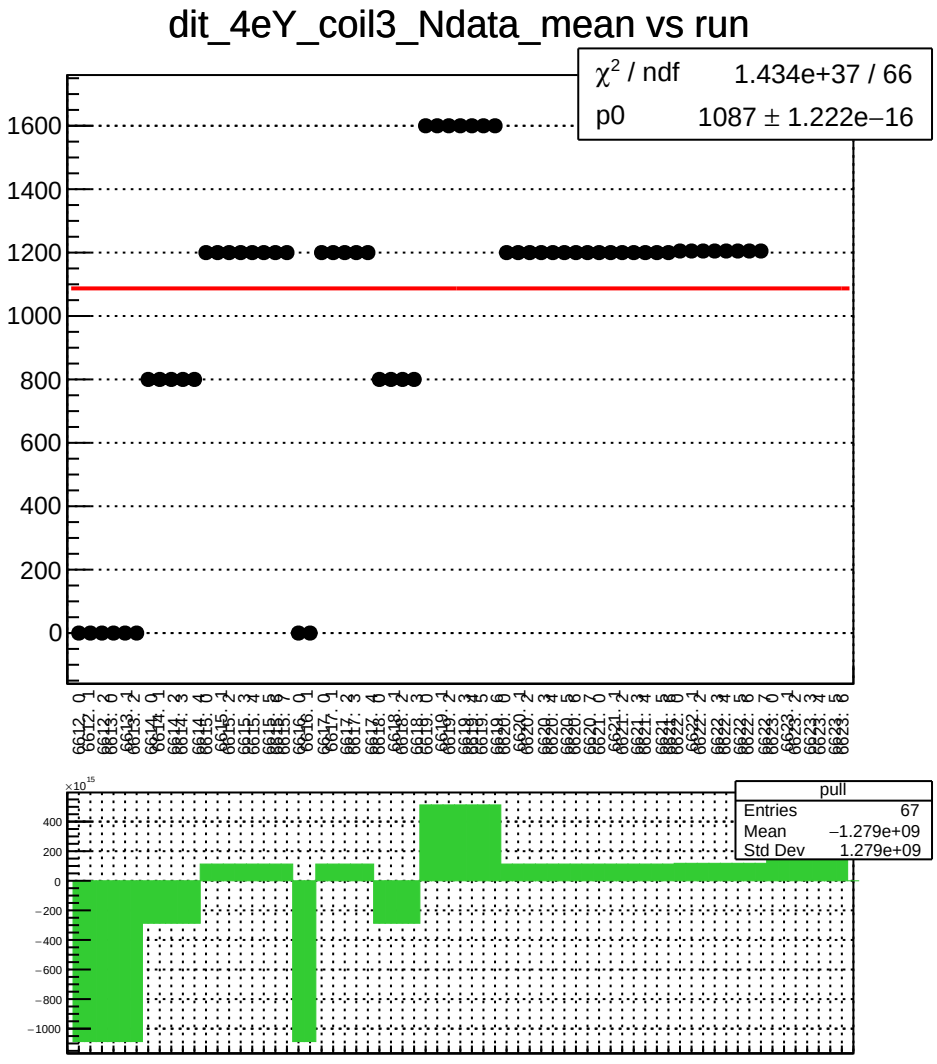


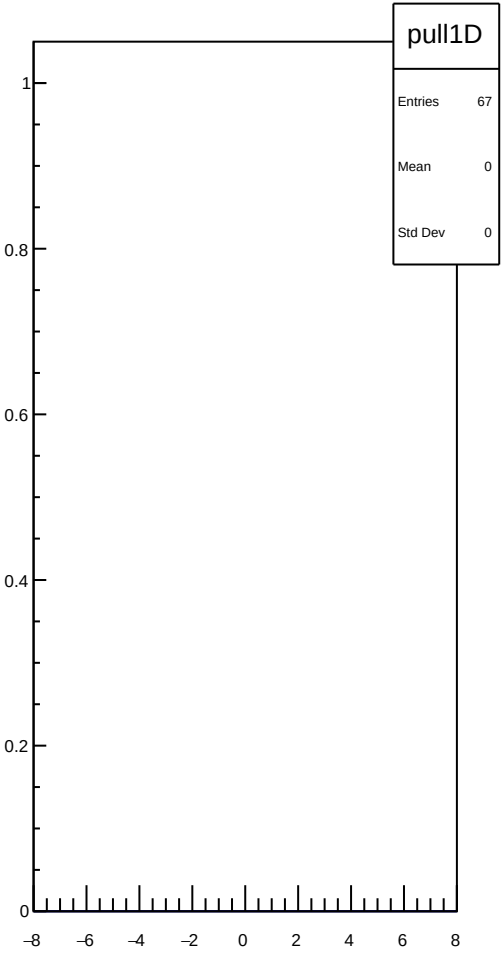
dit_4eY_coil3_err_mean vs run

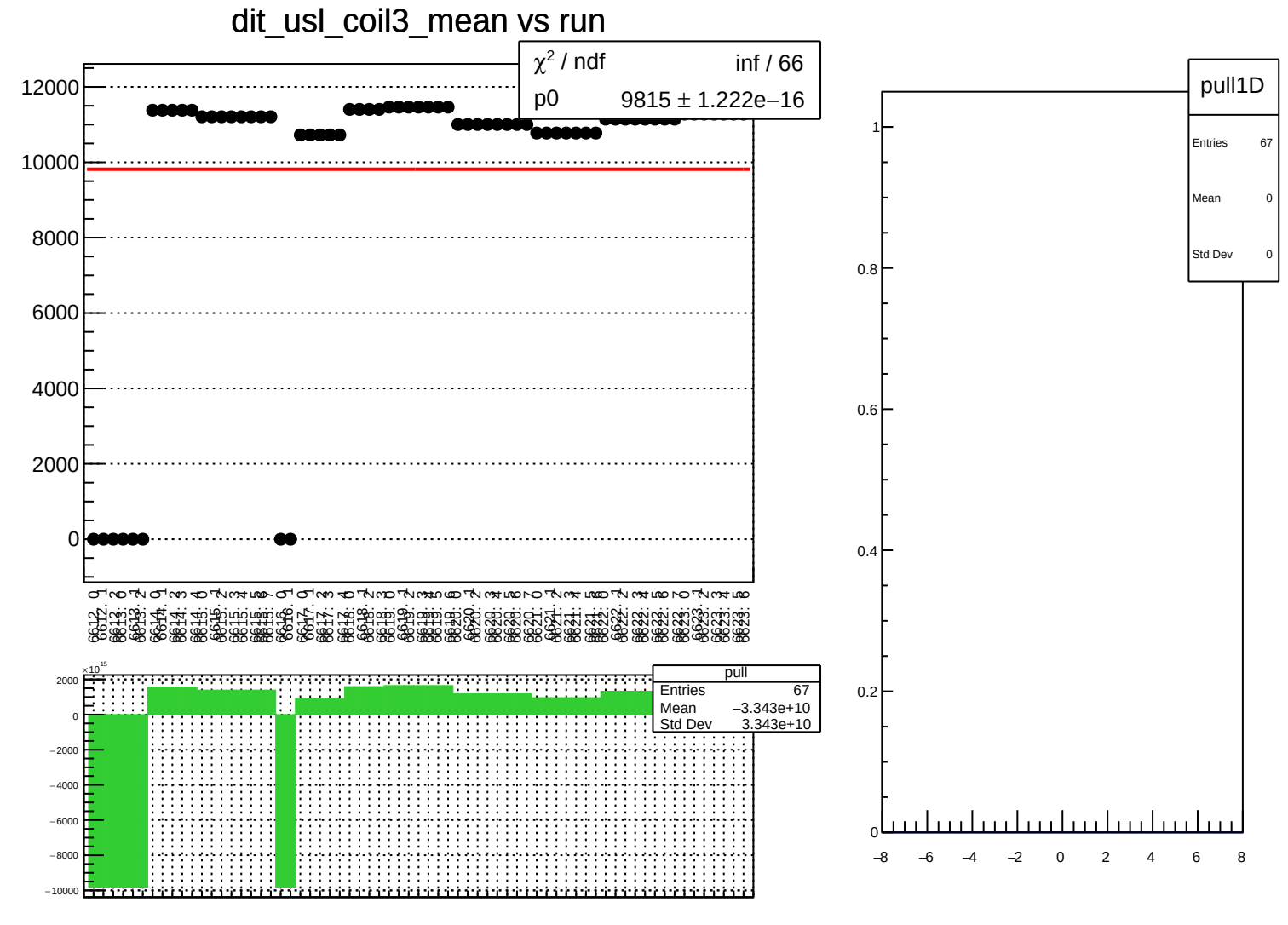


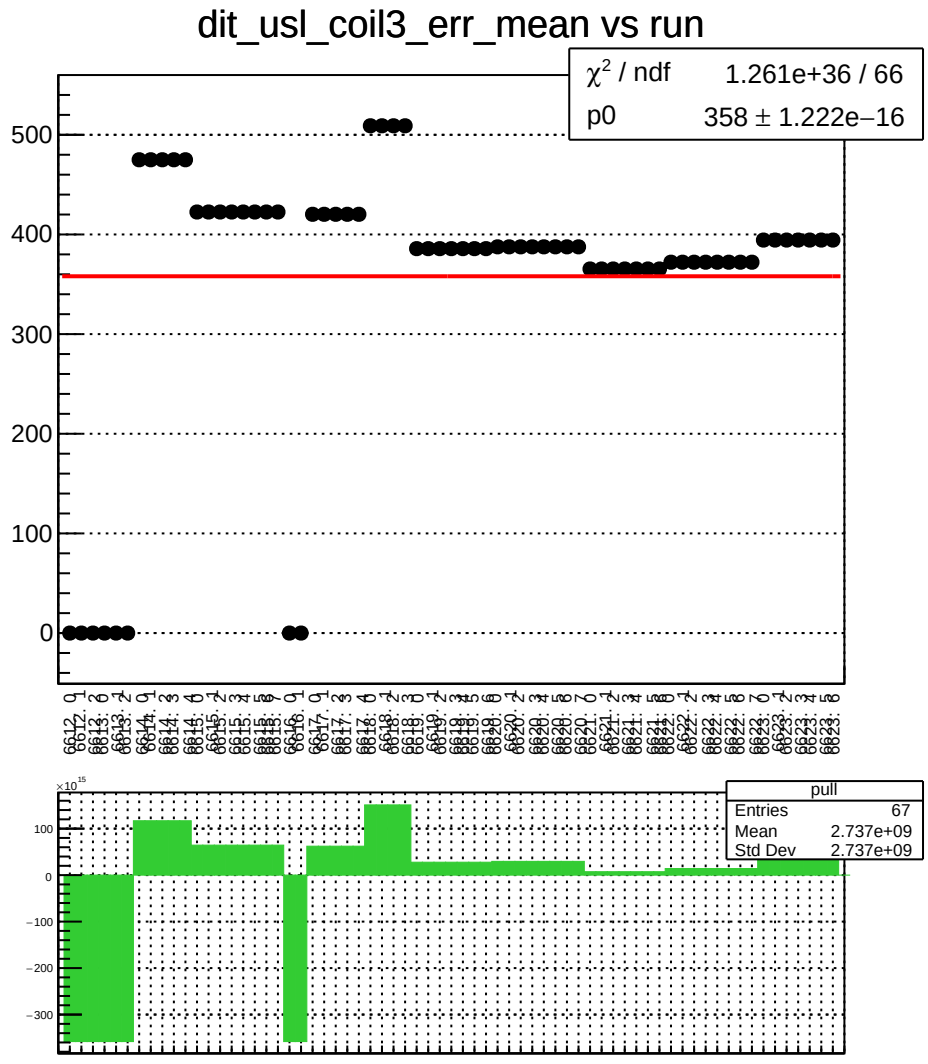


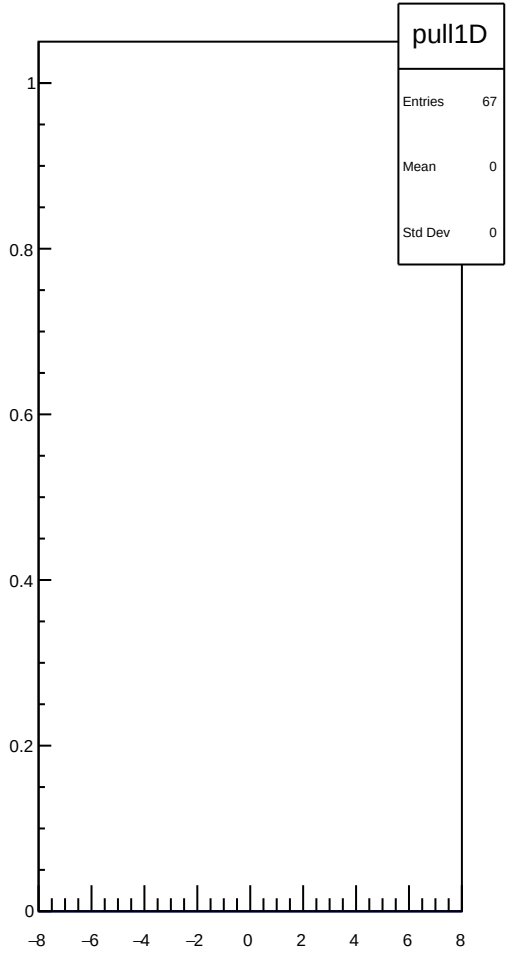



dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

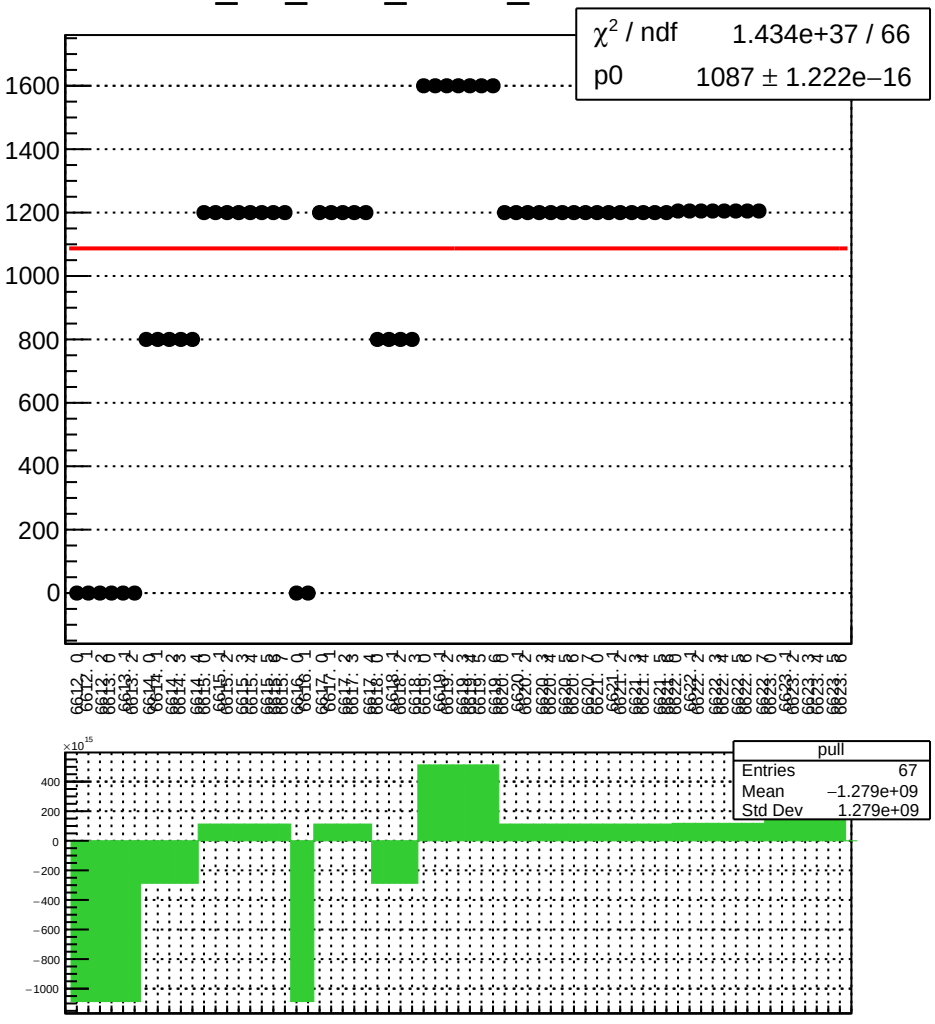

pull1D
Entries 67
Mean 0
Std Dev 0

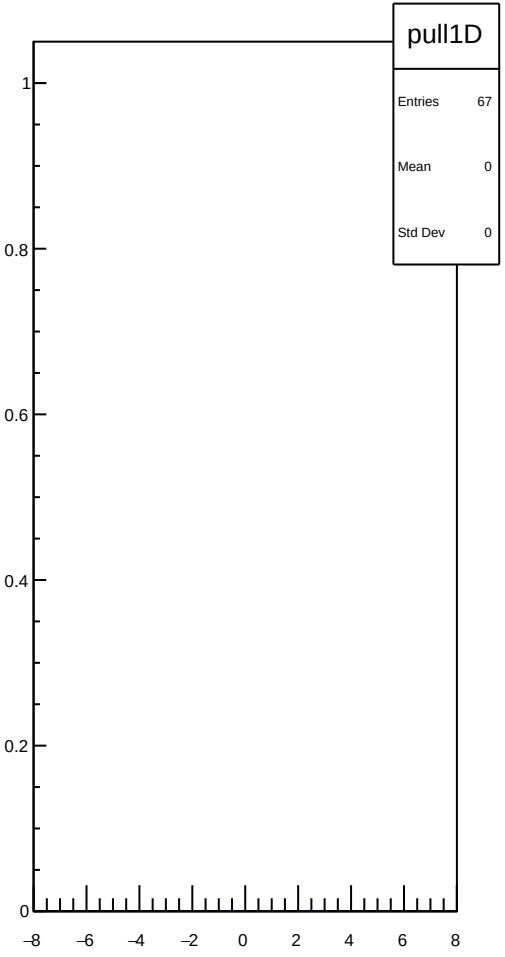

dit_usl_coil3_mean vs run
χ² / ndf inf / 66
p0 9815 ± 1.222e−16
pull
Entries 67
Mean −3.343e+10
Std Dev 3.343e+10
pull1D
Entries 67
Mean 0
Std Dev 0

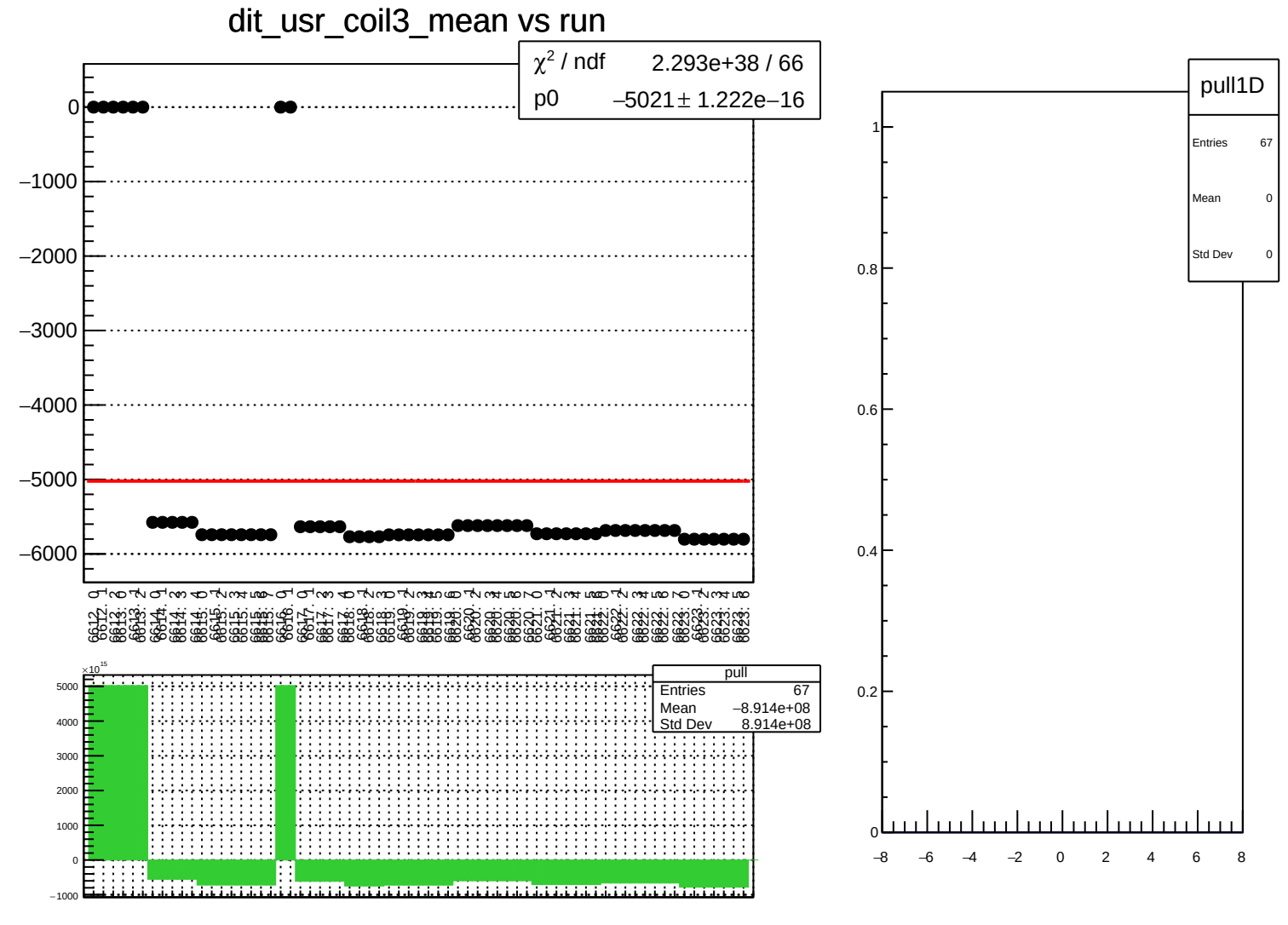

dit_usl_coil3_err_mean vs run
χ^2 / ndf 1.261e+36 / 66
p0 358 ± 1.222e−16
pull
Entries 67
Mean 2.737e+09
Std Dev 2.737e+09

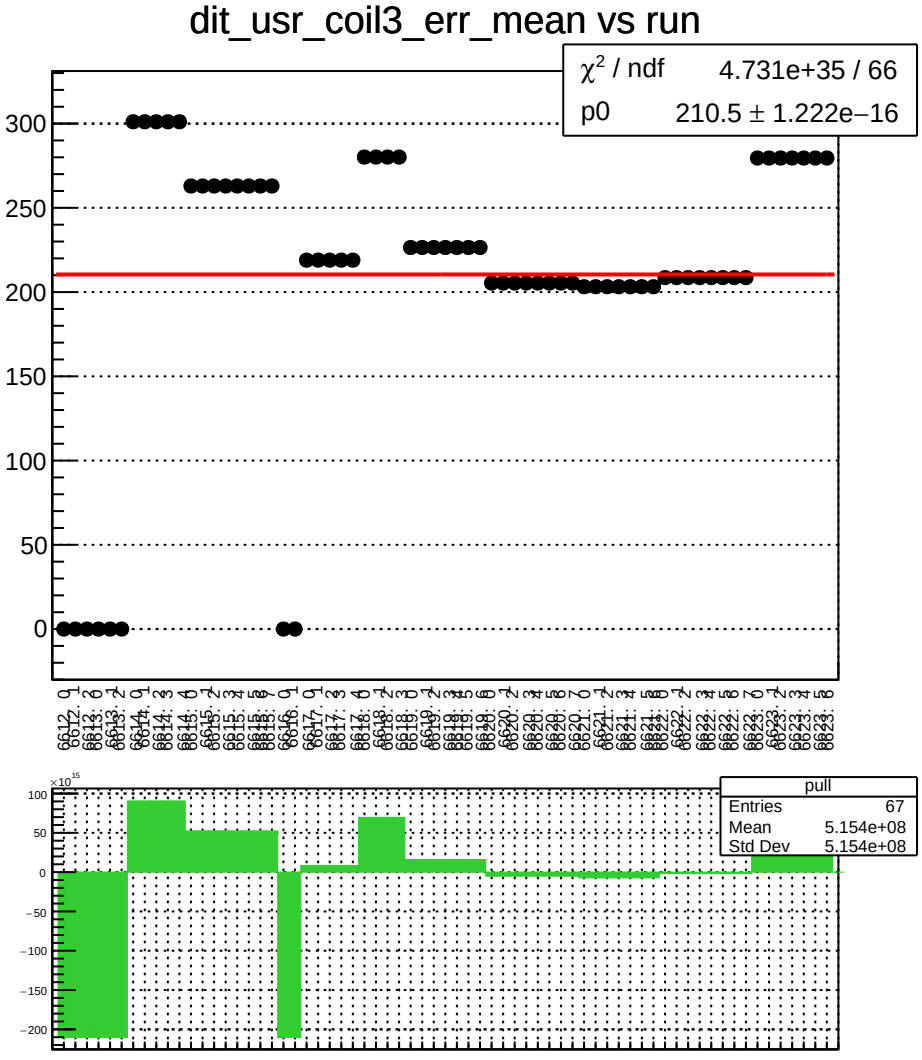

pull1D
Entries 67
Mean 0
Std Dev 0

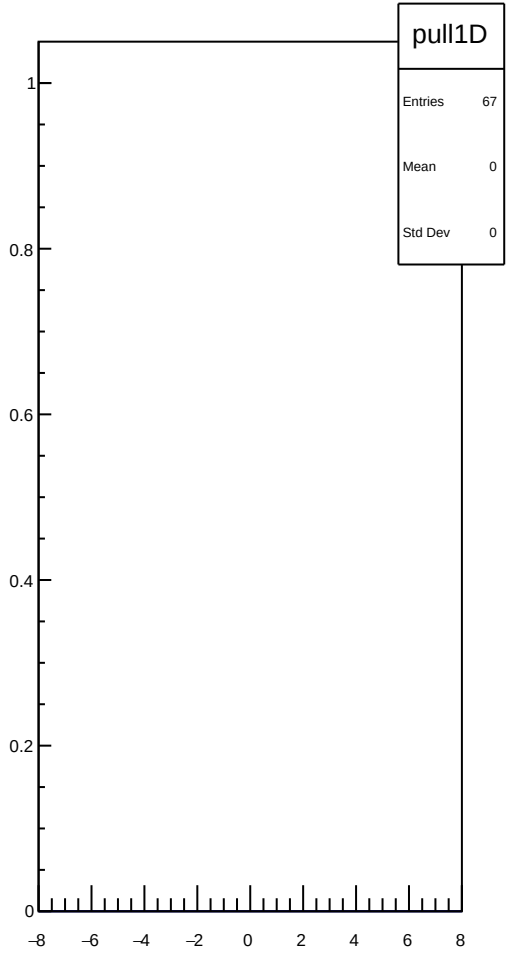
dit_usl_coil3_Ndata_mean vs run

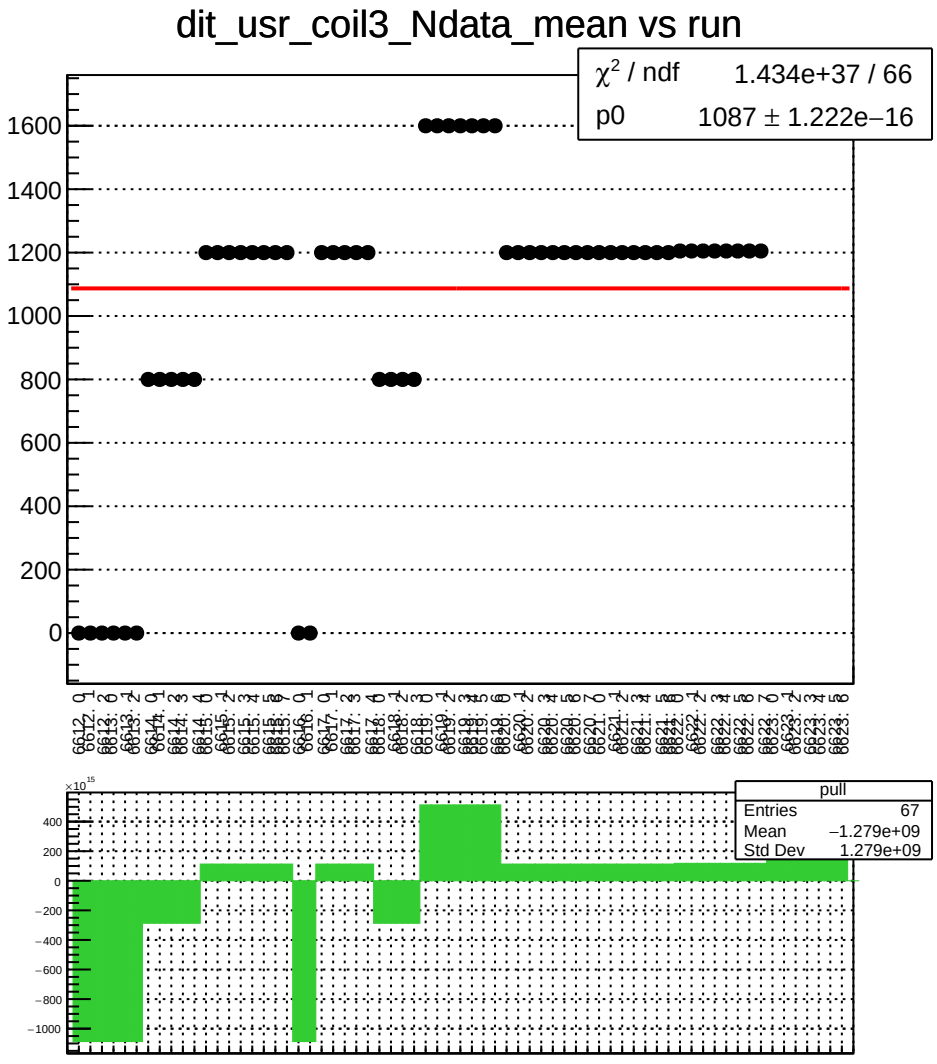


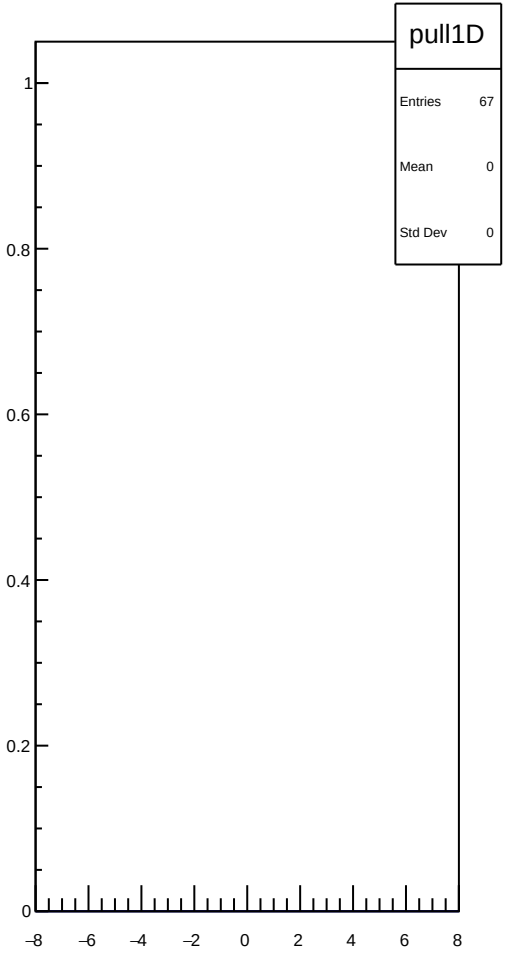


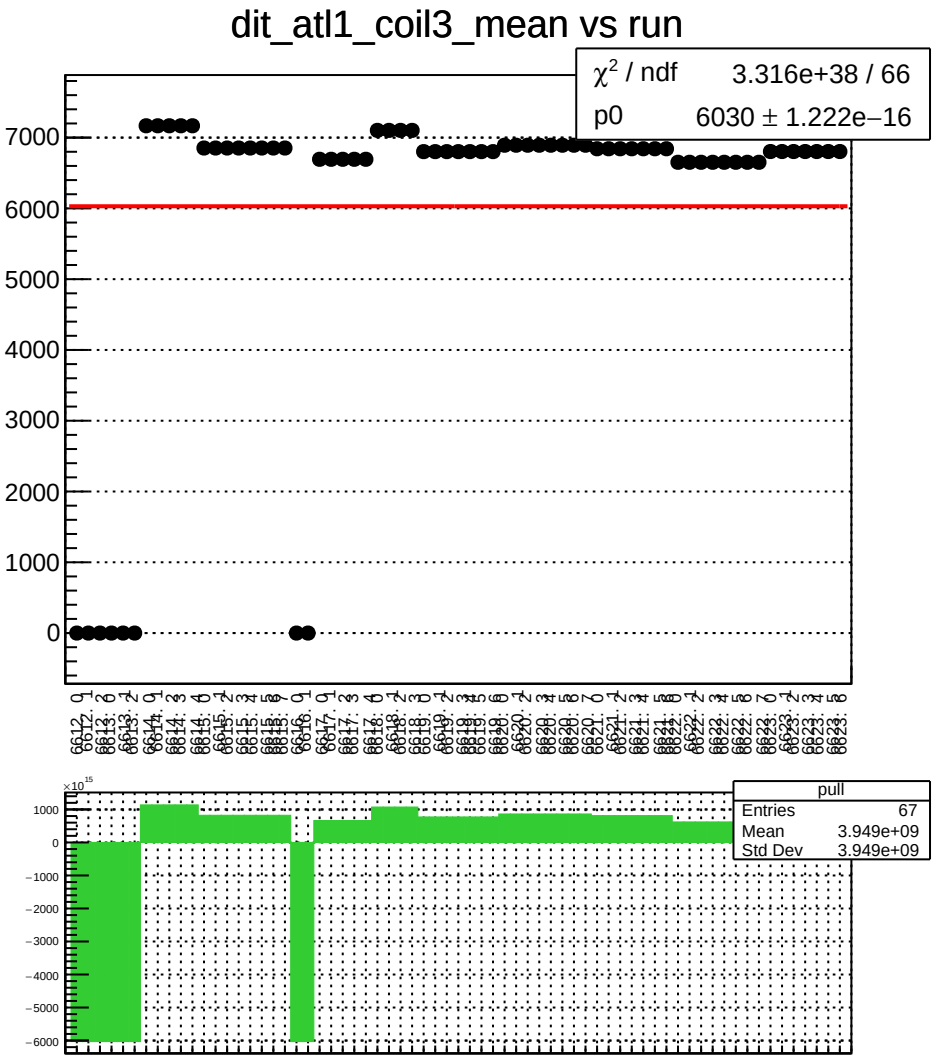

dit_usr_coil3_mean vs run
χ² / ndf 2.293e+38 / 66
p0 −5021 ± 1.222e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 67
Mean −8.914e+08
Std Dev 8.914e+08
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

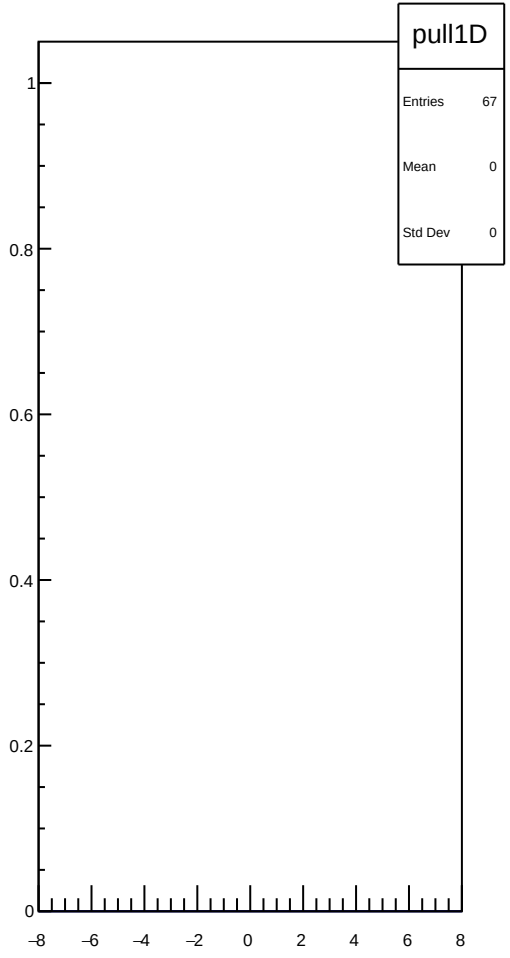

dit_usr_coil3_err_mean vs run
χ^2 / ndf 4.731e+35 / 66
p0 210.5 ± 1.222e−16
pull
Entries 67
Mean 5.154e+08
Std Dev 5.154e+08

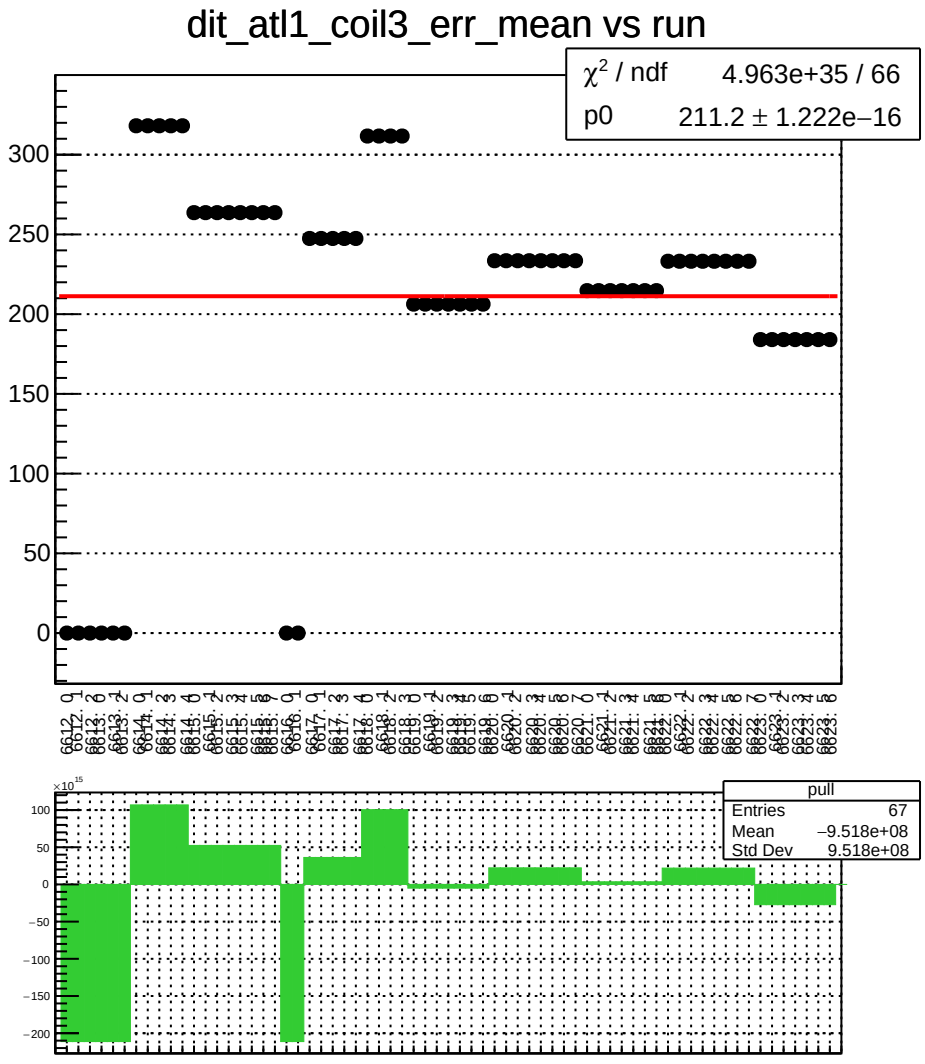

pull1D
Entries 67
Mean 0
Std Dev 0

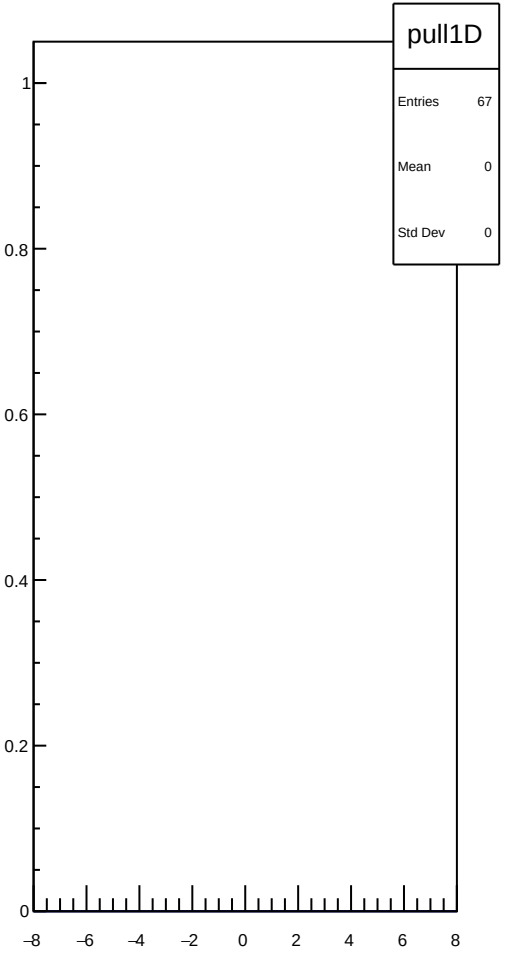

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09


pull1D
Entries 67
Mean 0
Std Dev 0

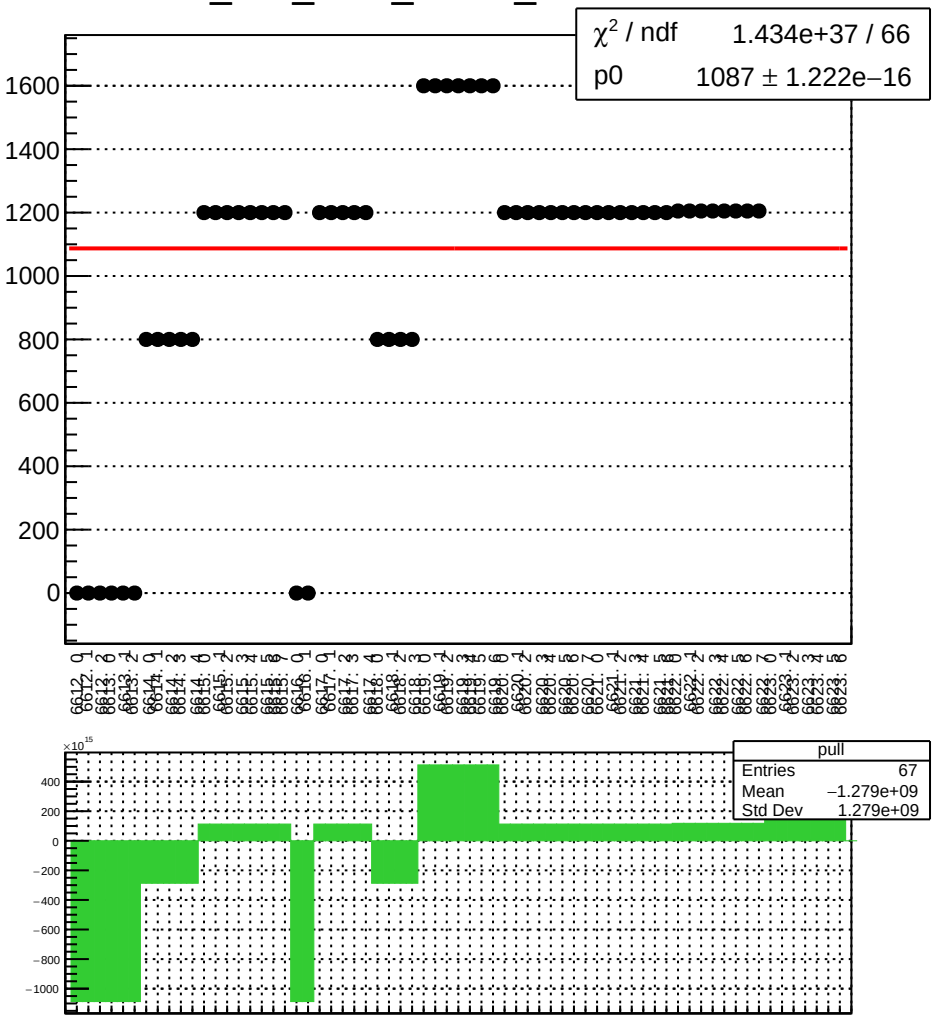

dit_atl1_coil3_mean vs run
χ^2 / ndf 3.316e+38 / 66
p0 6030 ± 1.222e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean 3.949e+09
Std Dev 3.949e+09
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

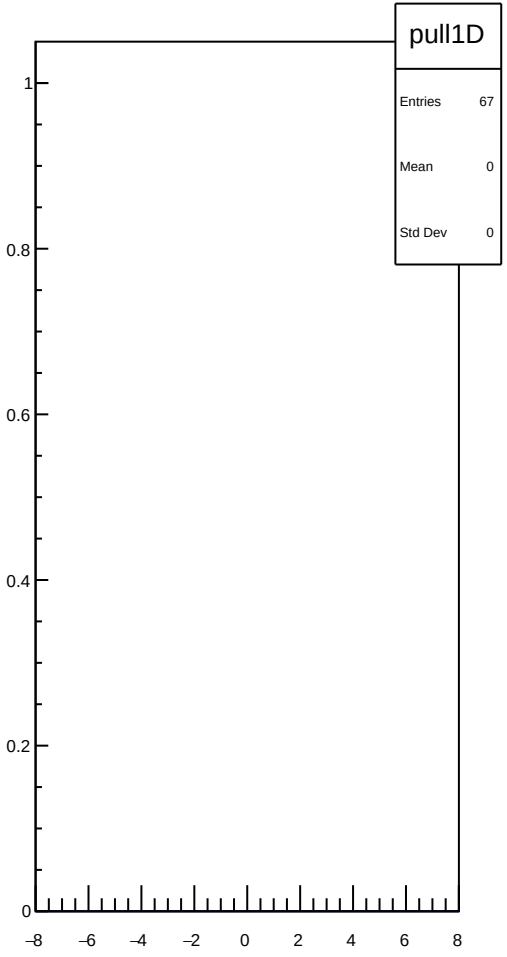

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl1_coil3_err_mean vs run
χ² / ndf 4.963e+35 / 66
p0 211.2 ± 1.222e−16
pull
Entries 67
Mean −9.518e+08
Std Dev 9.518e+08

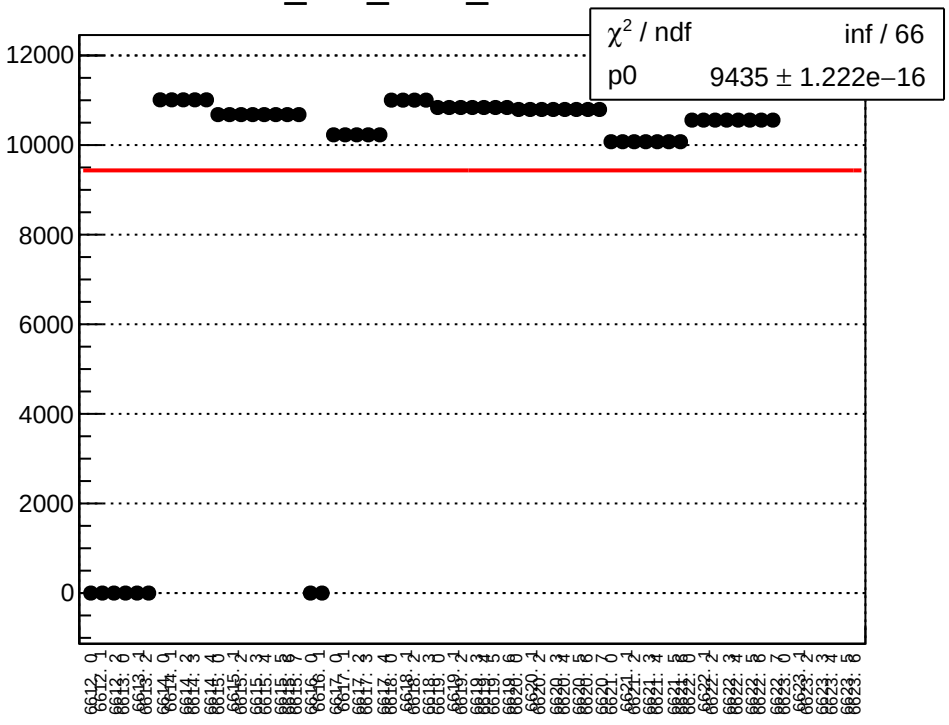

pull1D
Entries 67
Mean 0
Std Dev 0

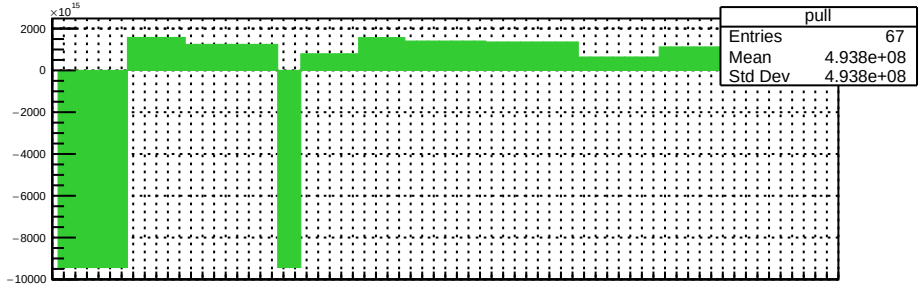
dit_atl1_coil3_Ndata_mean vs run

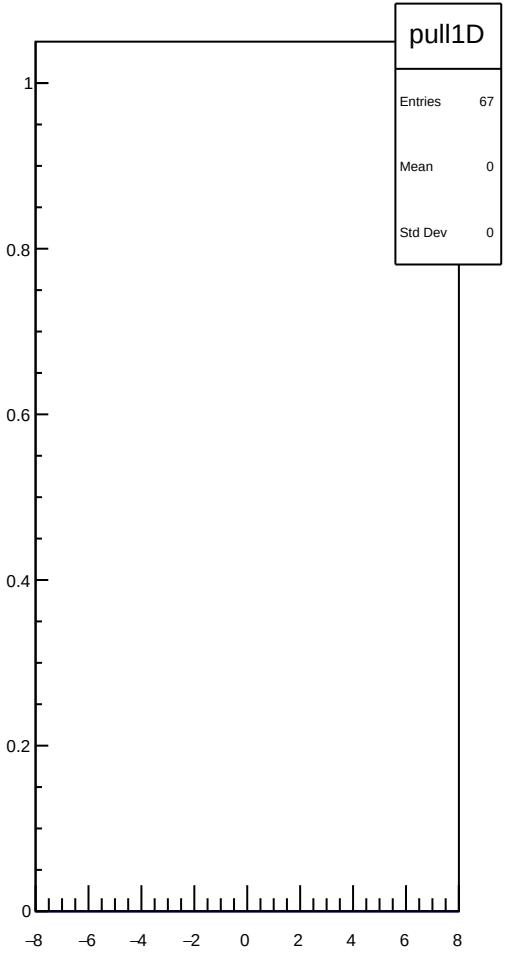


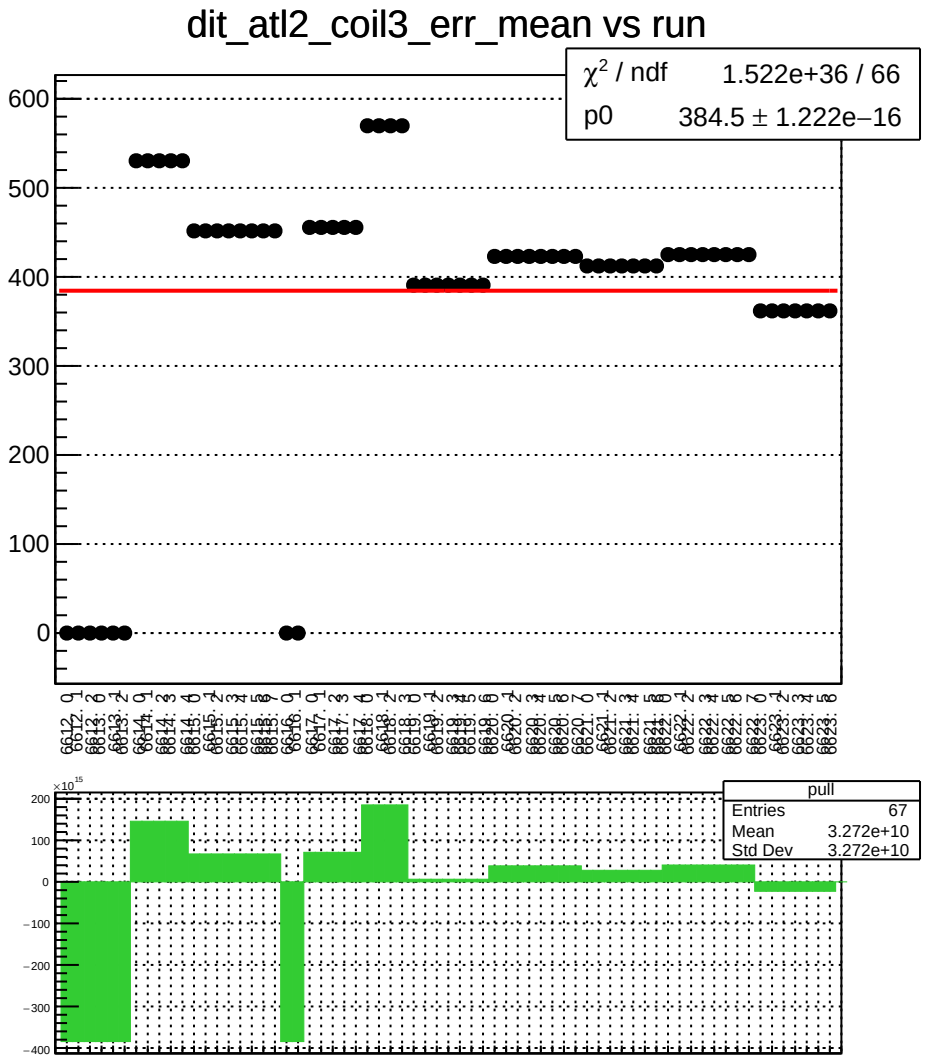


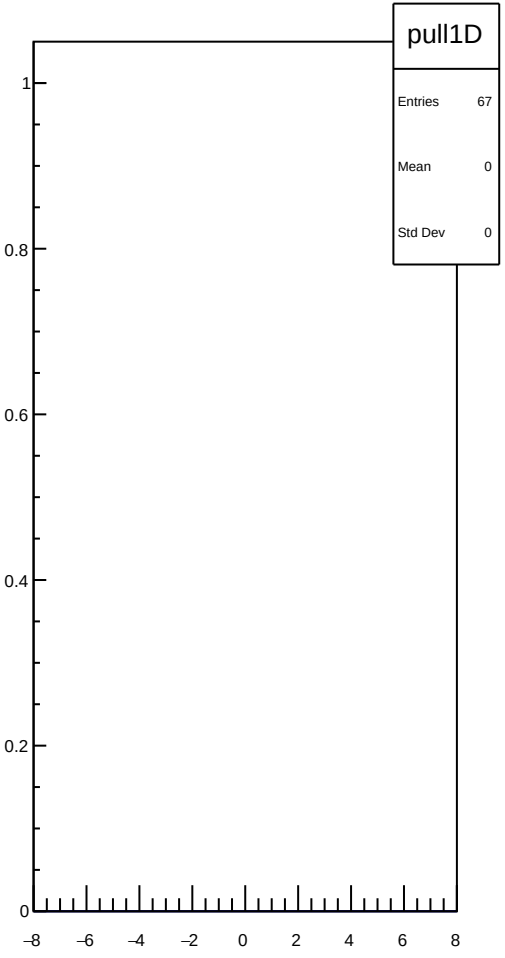
dit_atl2_coil3_mean vs run

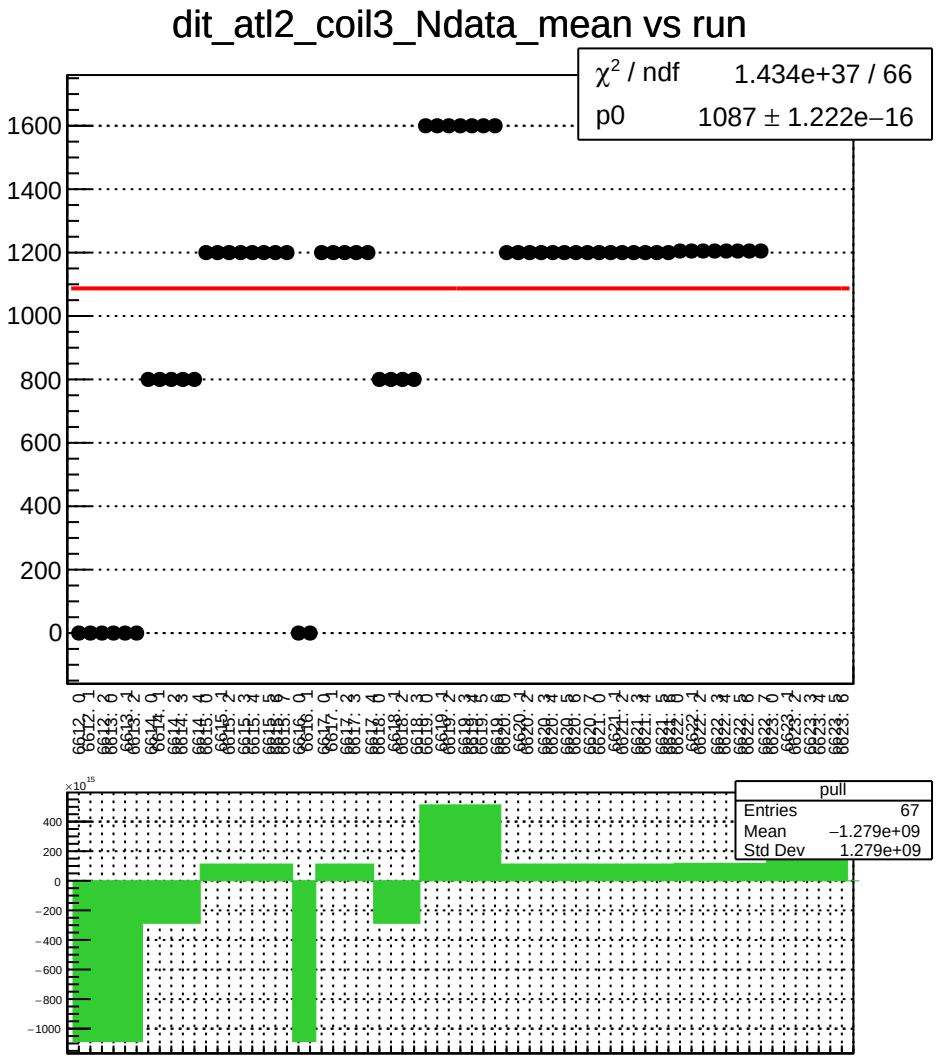


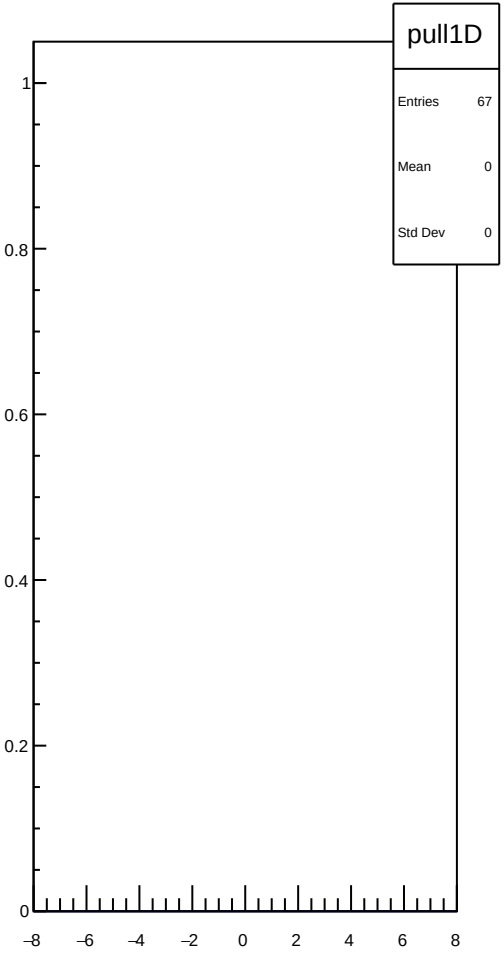


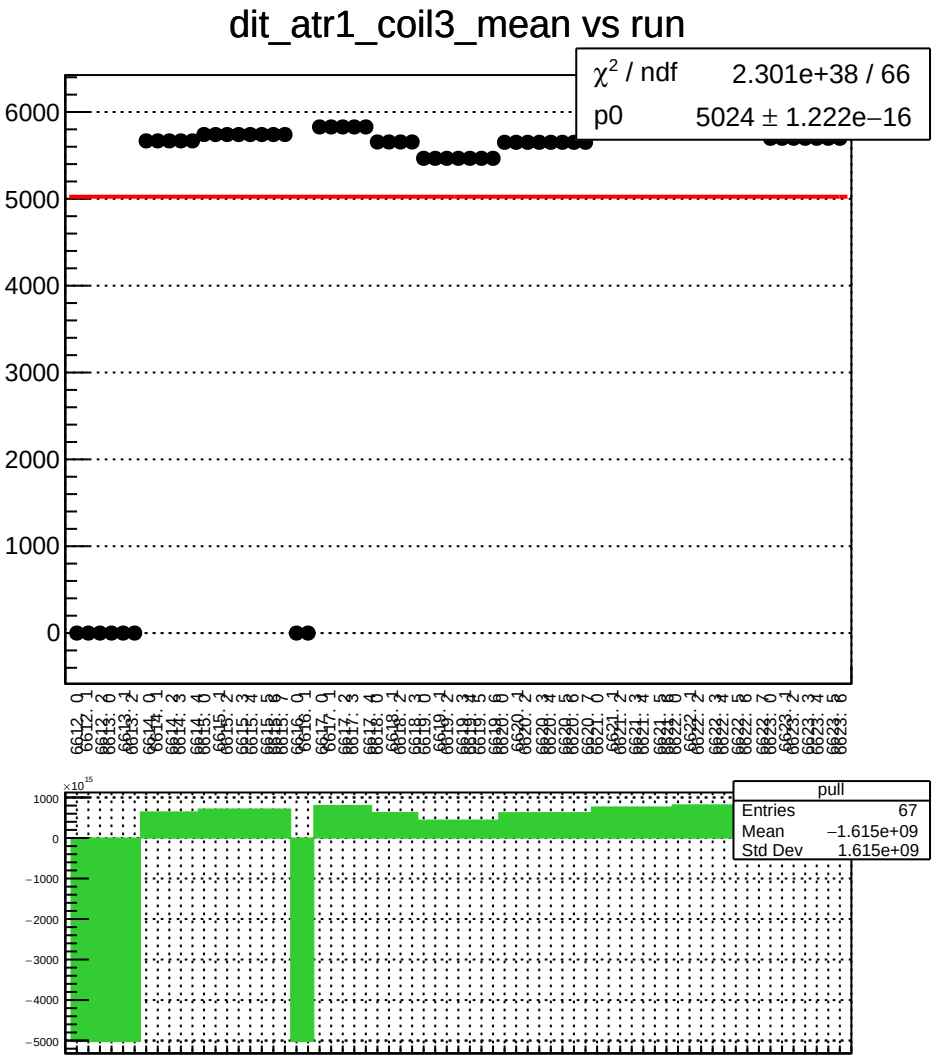


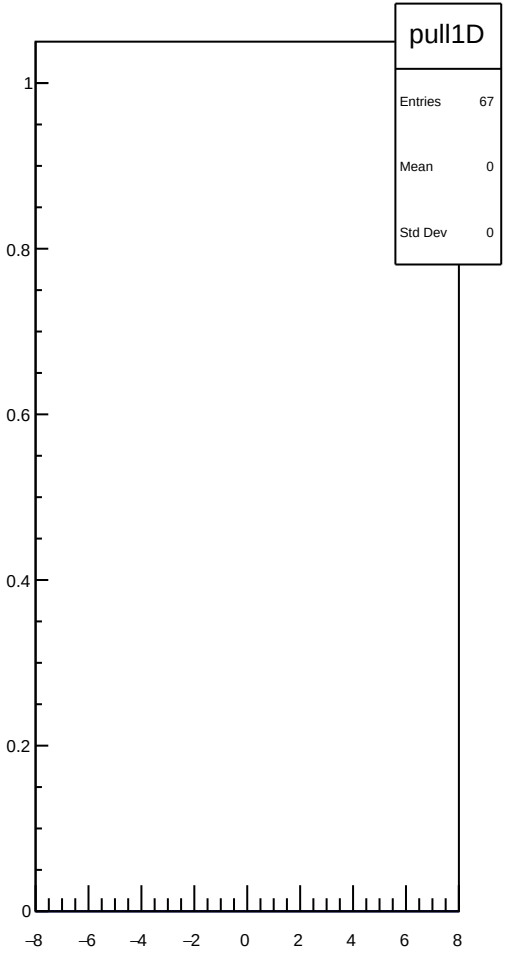

dit_atl2_coil3_err_mean vs run
χ² / ndf 1.522e+36 / 66
p0 384.5 ± 1.222e−16
pull
Entries 67
Mean 3.272e+10
Std Dev 3.272e+10

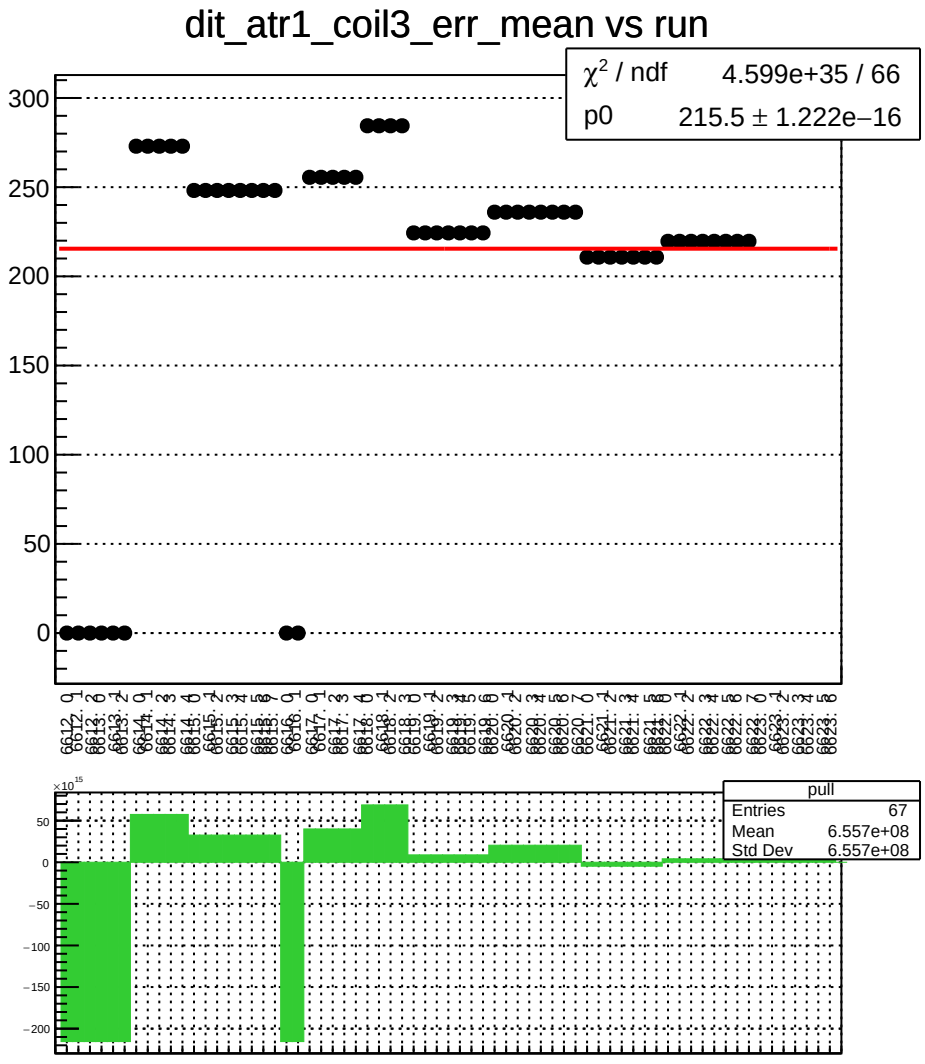

pull1D
Entries 67
Mean 0
Std Dev 0

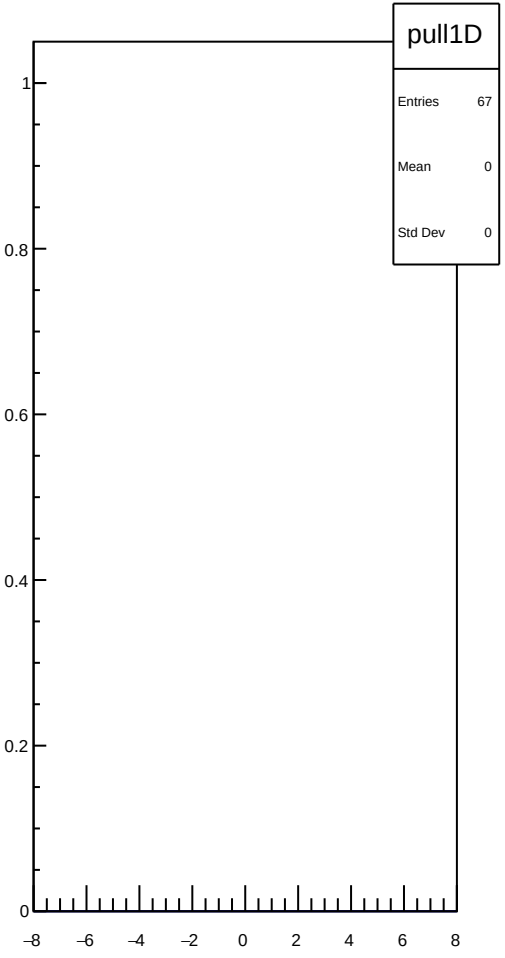

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

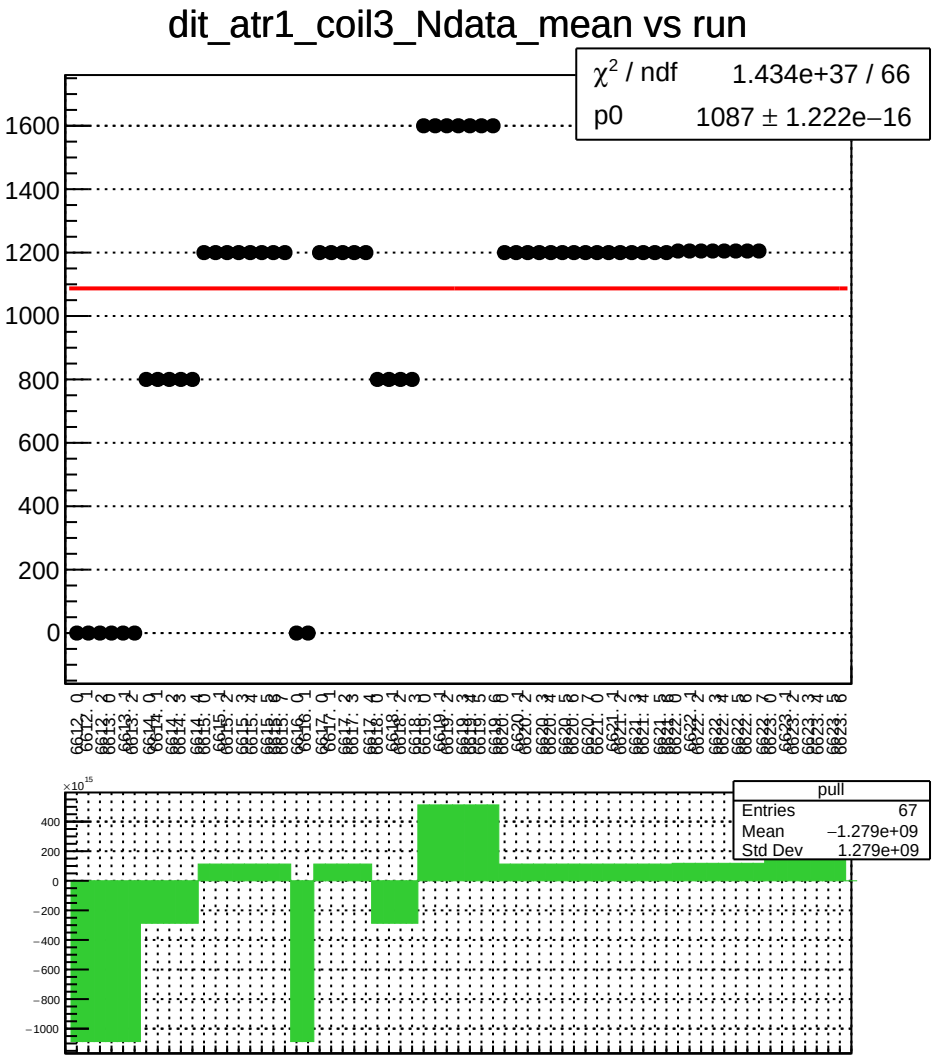

pull1D
Entries 67
Mean 0
Std Dev 0

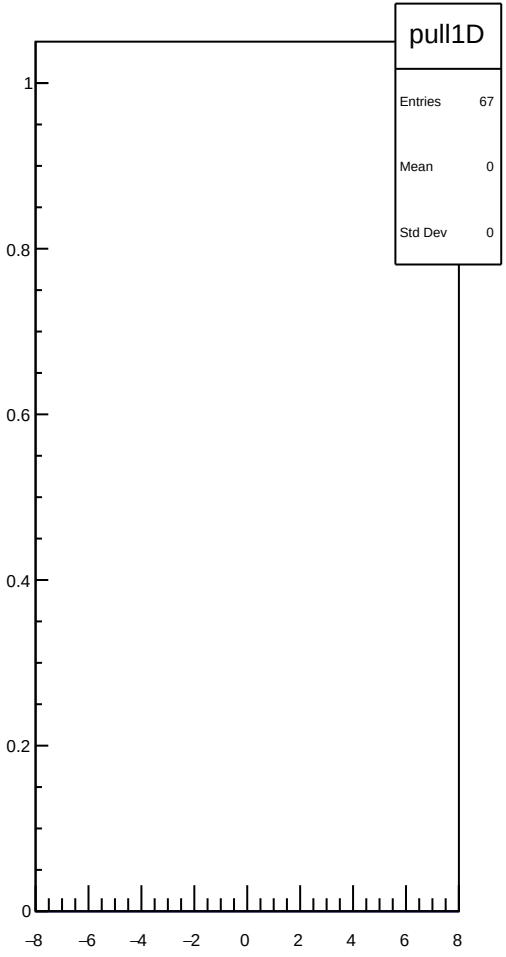

dit_atr1_coil3_mean vs run
χ^2 / ndf 2.301e+38 / 66
p0 5024 ± 1.222e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean −1.615e+09
Std Dev 1.615e+09
1000
0
−1000
−2000
−3000
−4000
−5000

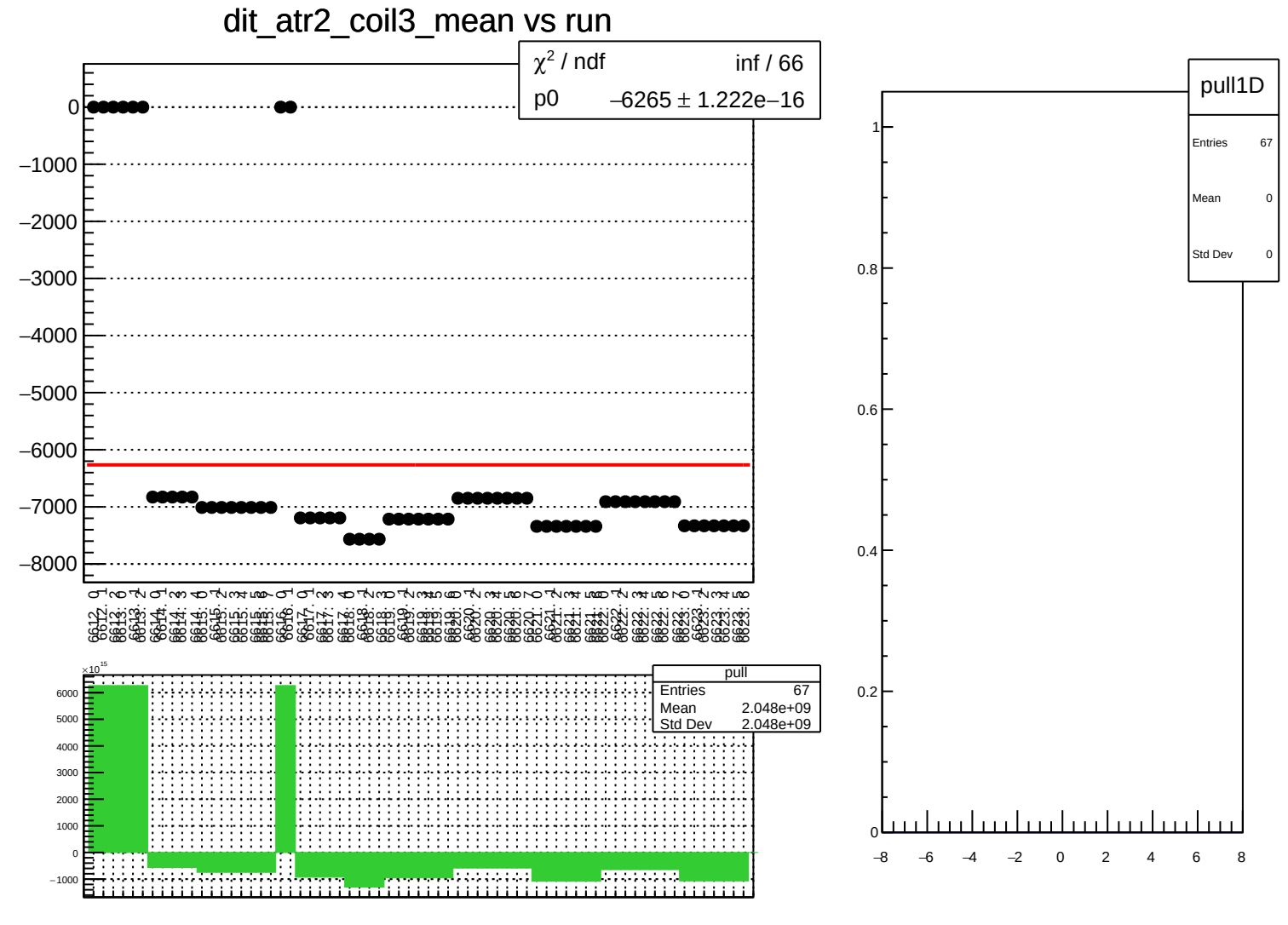

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

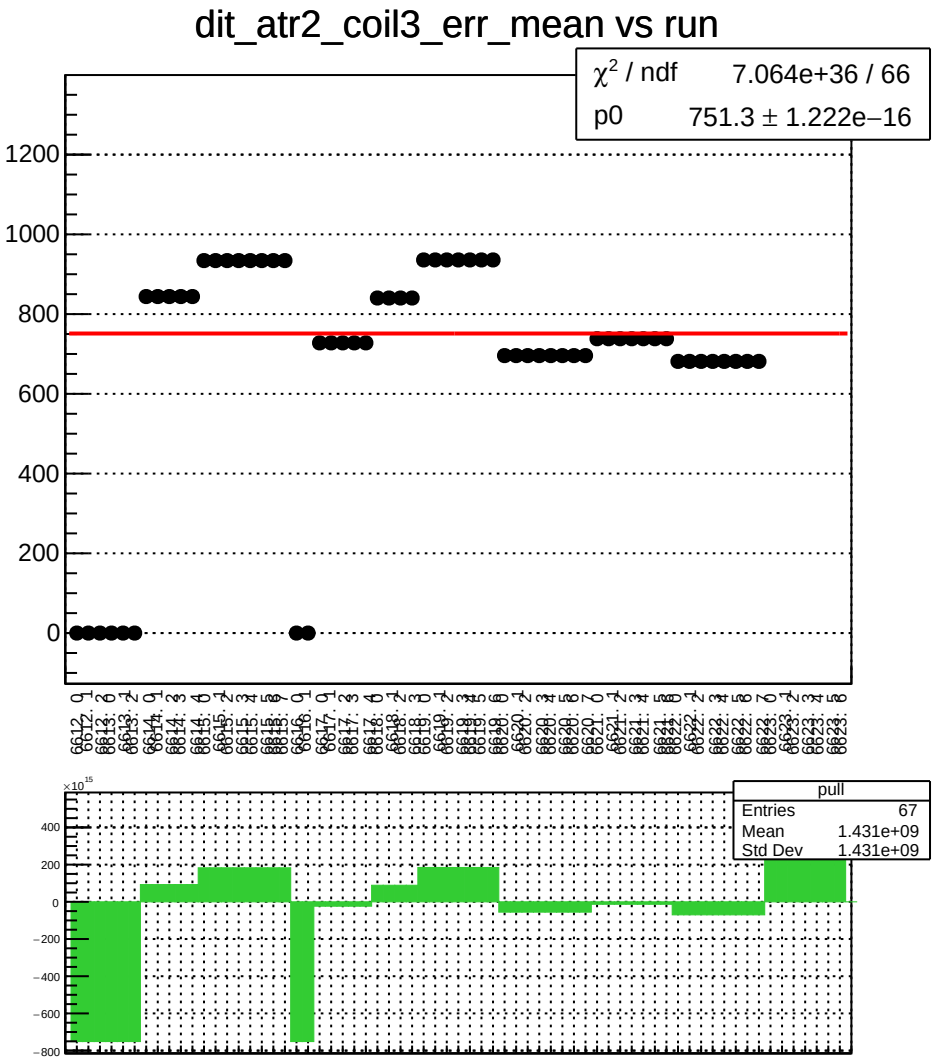

dit_atr1_coil3_err_mean vs run
χ² / ndf 4.599e+35 / 66
p0 215.5 ± 1.222e−16
pull
Entries 67
Mean 6.557e+08
Std Dev 6.557e+08

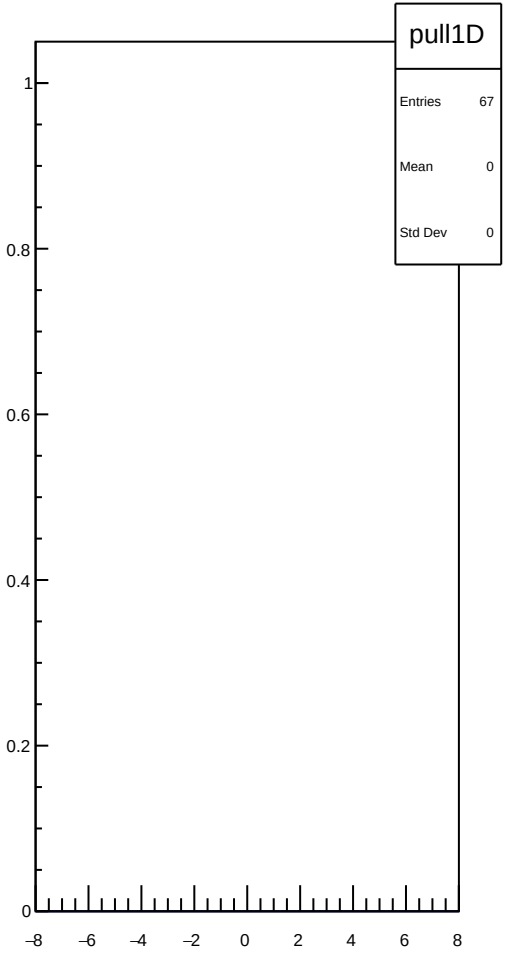

pull1D
Entries 67
Mean 0
Std Dev 0

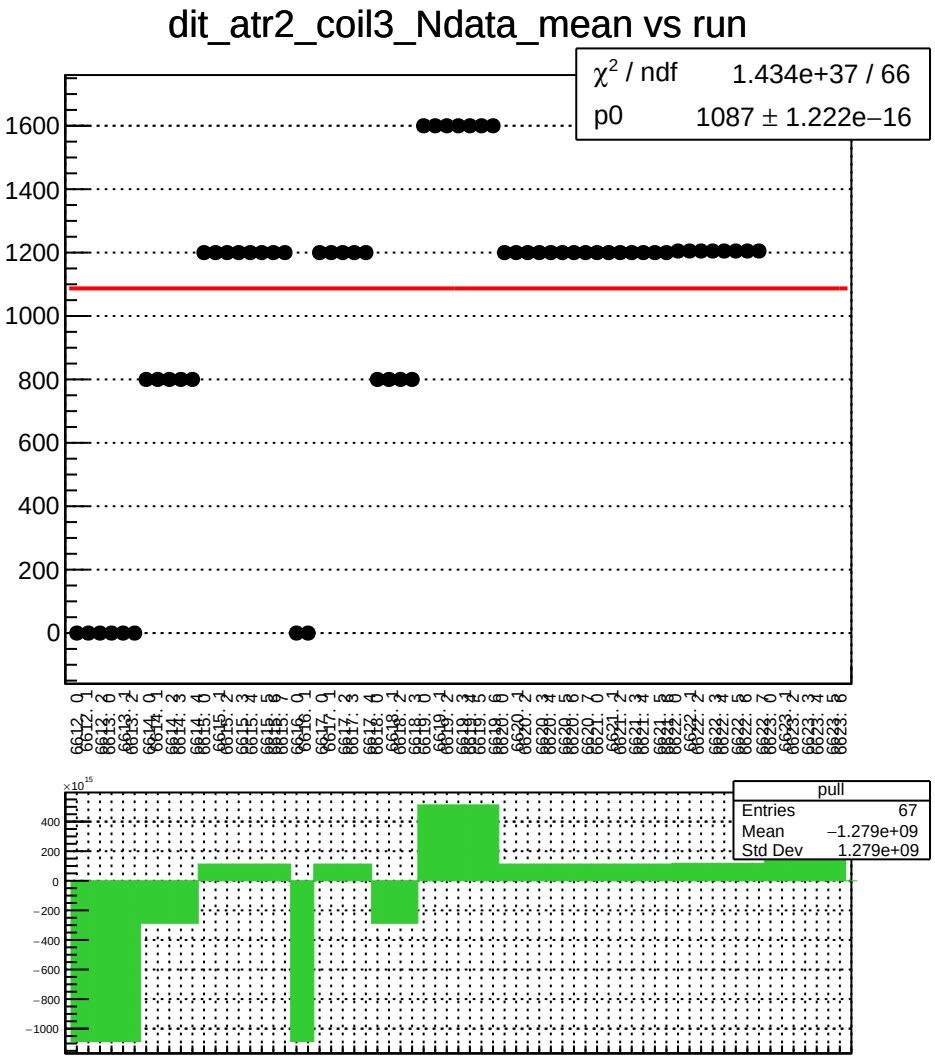

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

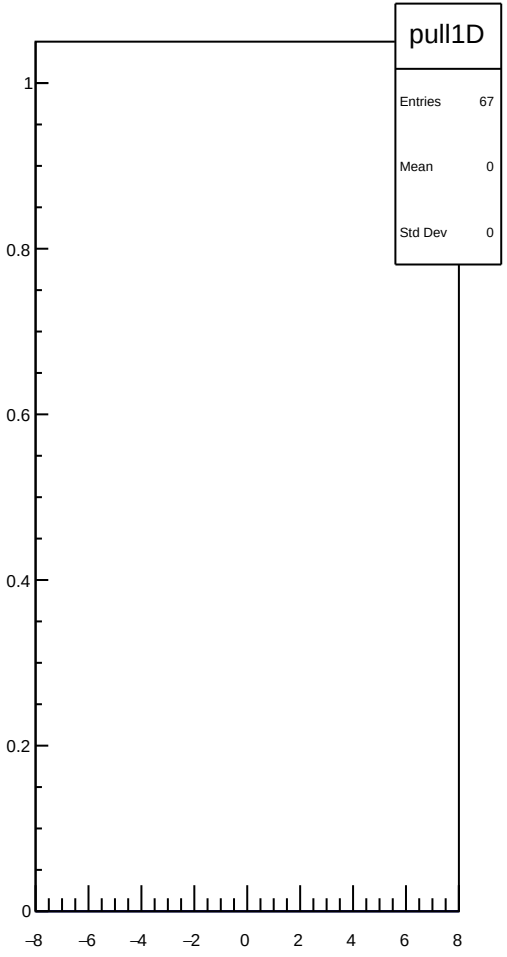

pull1D
Entries 67
Mean 0
Std Dev 0

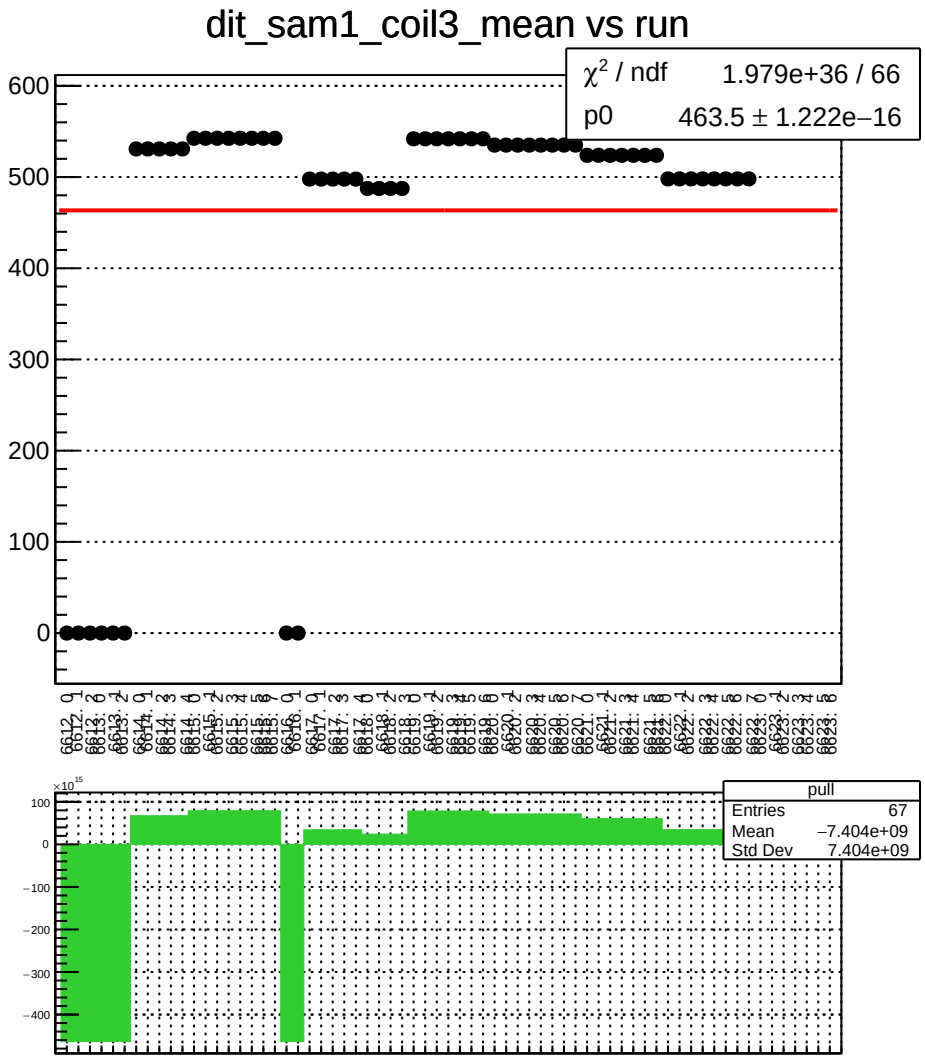

dit_atr2_coil3_mean vs run
χ² / ndf inf / 66
p0 –6265 ± 1.222e–16
pull
Entries 67
Mean 2.048e+09
Std Dev 2.048e+09
pull1D
Entries 67
Mean 0
Std Dev 0

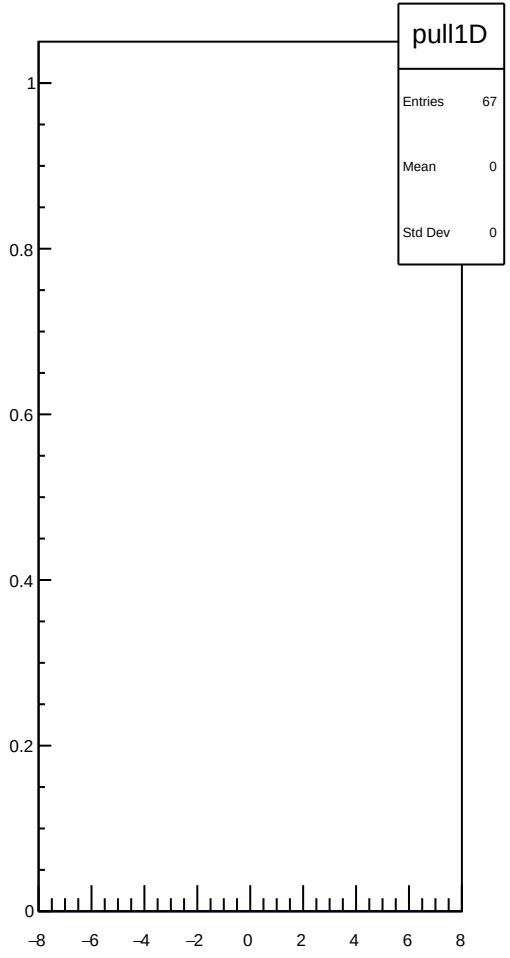

dit_atr2_coil3_err_mean vs run
χ² / ndf 7.064e+36 / 66
p0 751.3 ± 1.222e−16
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 1.431e+09
Std Dev 1.431e+09
×10¹⁵
400
200
0
−200
−400
−600
−800

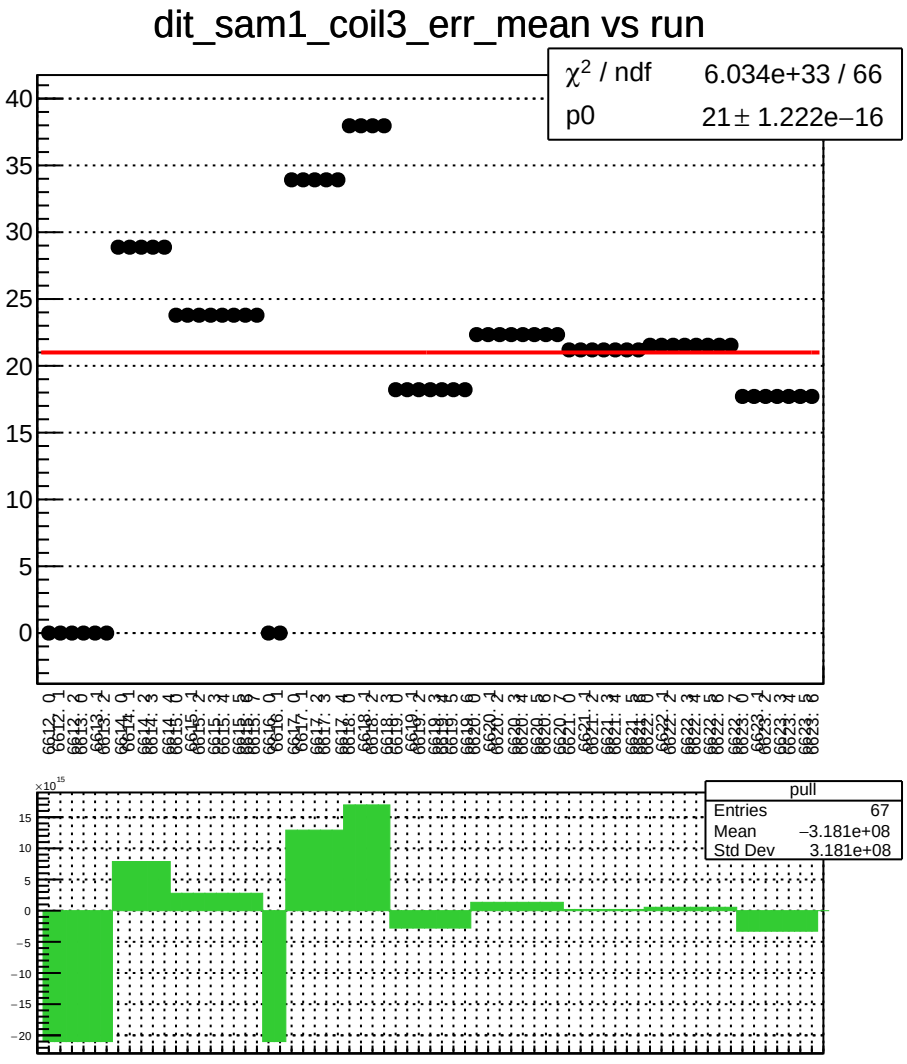

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

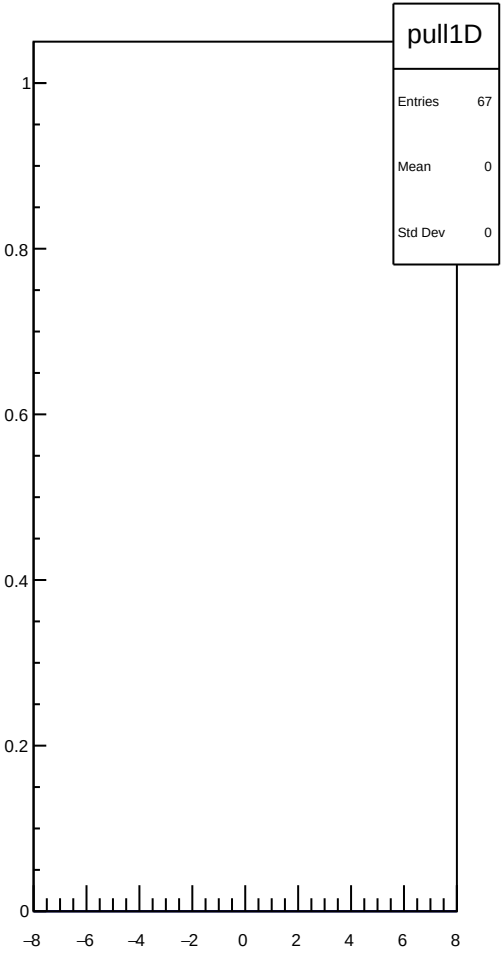

dit_atr2_coil3_Ndata_mean vs run
χ^2 / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

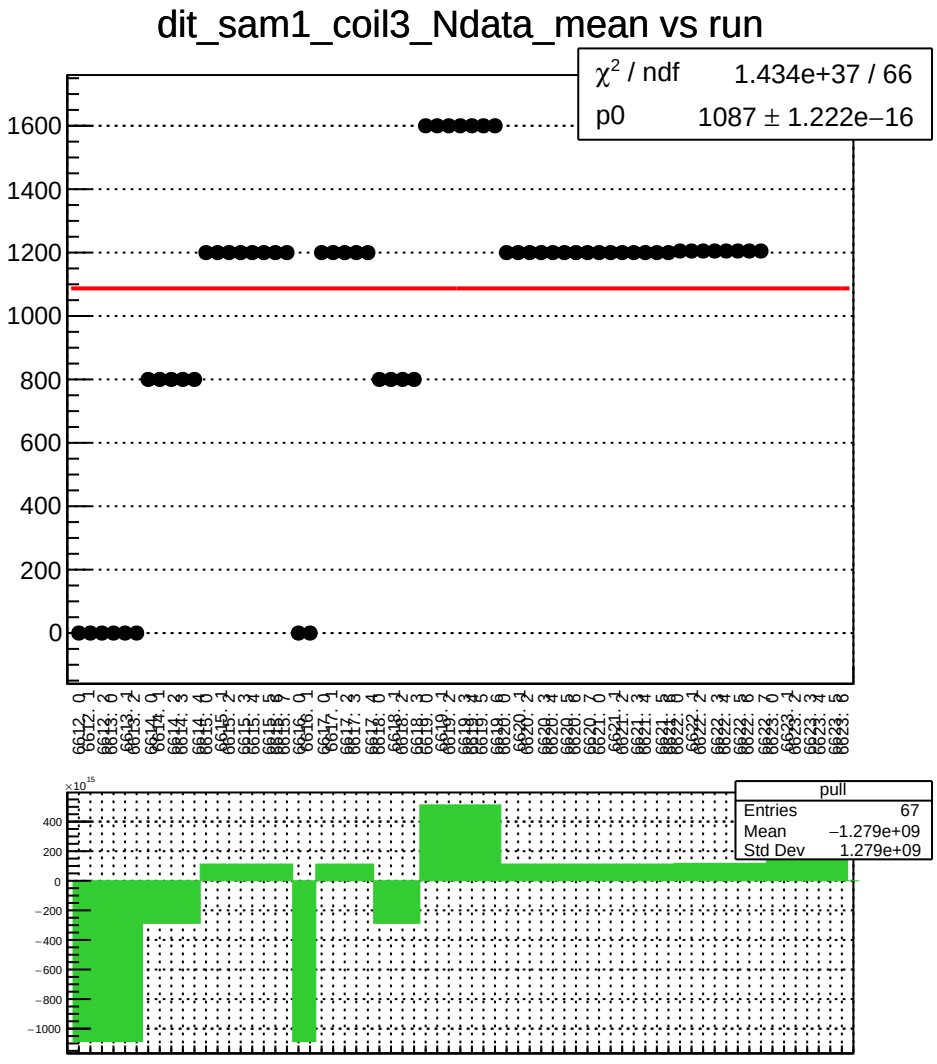

pull1D
Entries 67
Mean 0
Std Dev 0

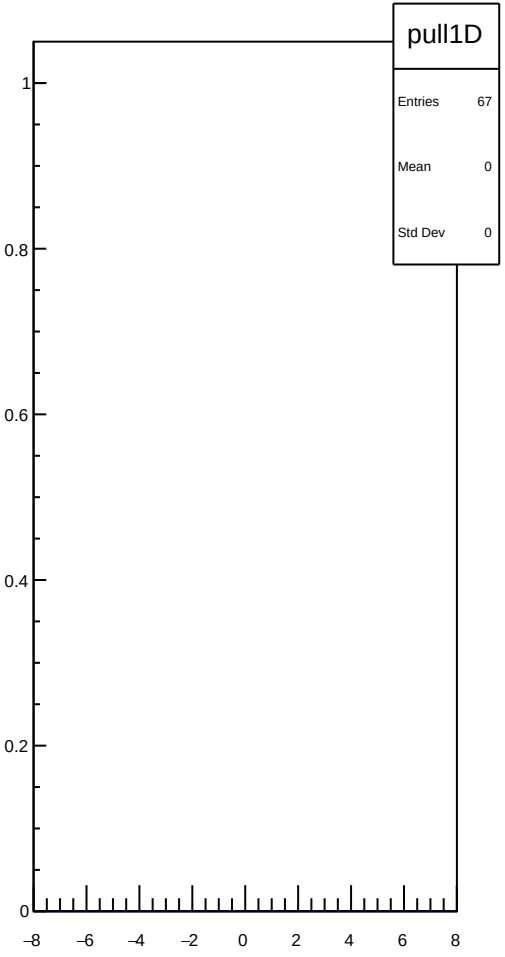

dit_sam1_coil3_mean vs run
χ^2 / ndf 1.979e+36 / 66
p0 463.5 ± 1.222e−16
600
500
400
300
200
100
0
pull
Entries 67
Mean −7.404e+09
Std Dev 7.404e+09
×10^15
100
0
−100
−200
−300
−400

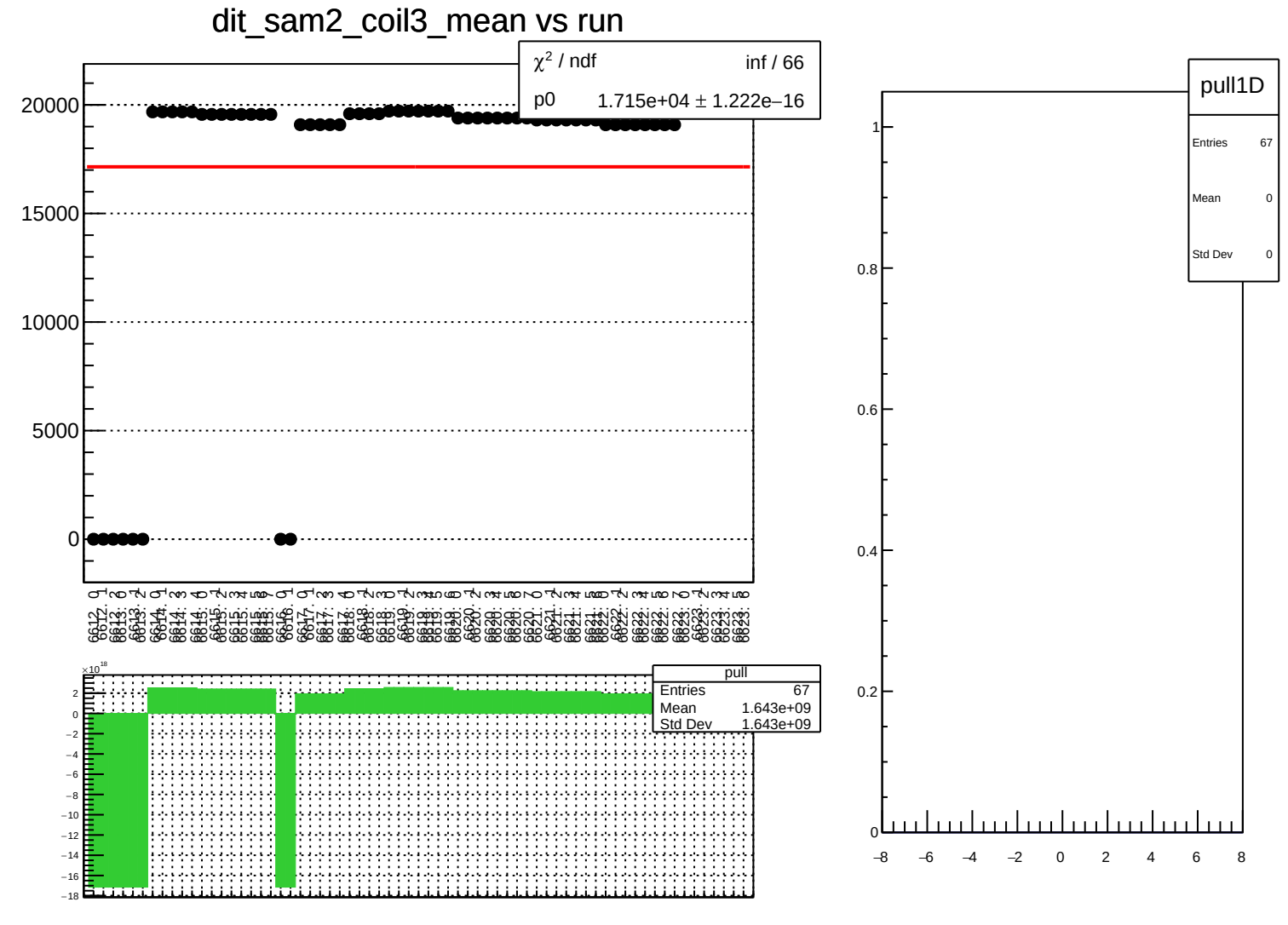

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

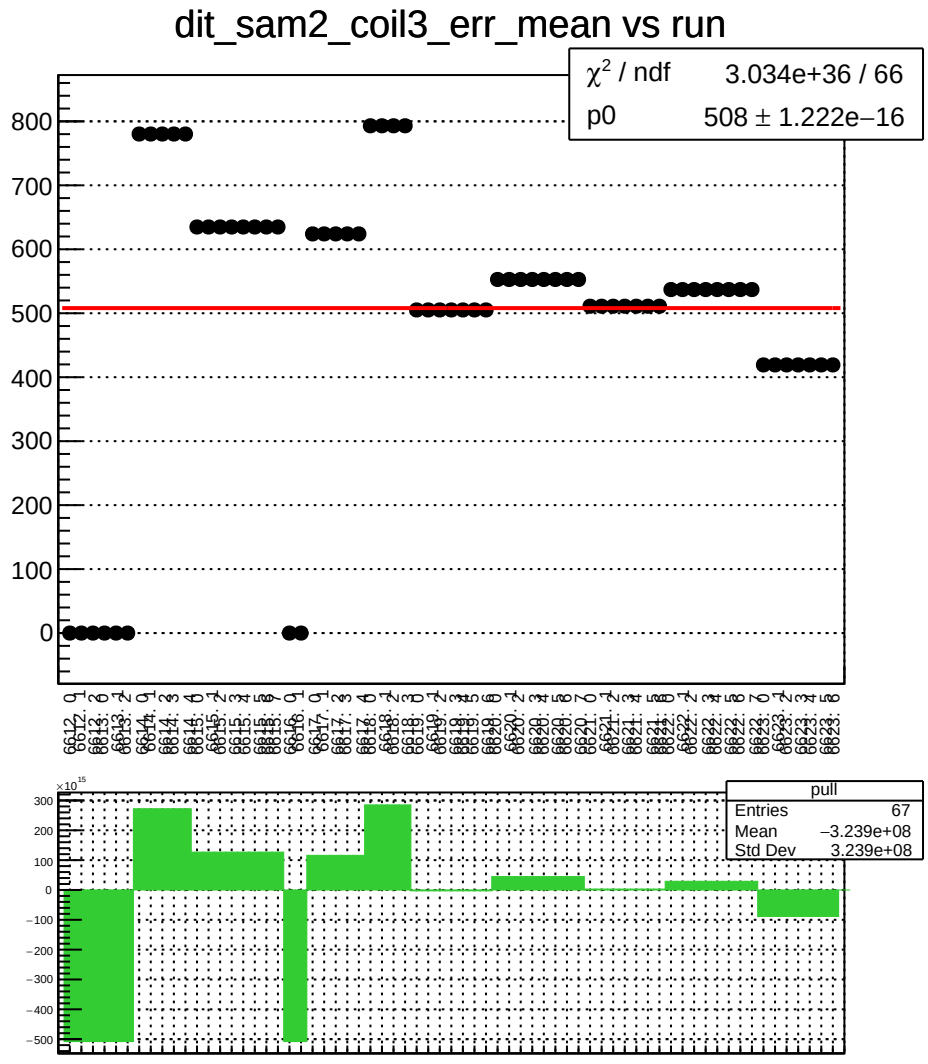

dit_sam1_coil3_err_mean vs run
χ² / ndf 6.034e+33 / 66
p0 21 ± 1.222e−16
pull
Entries 67
Mean −3.181e+08
Std Dev 3.181e+08

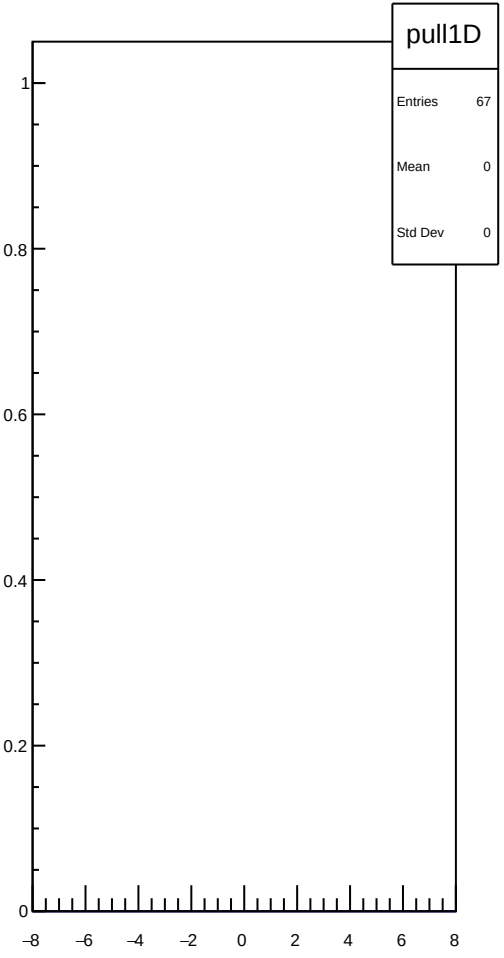

pull1D
Entries 67
Mean 0
Std Dev 0

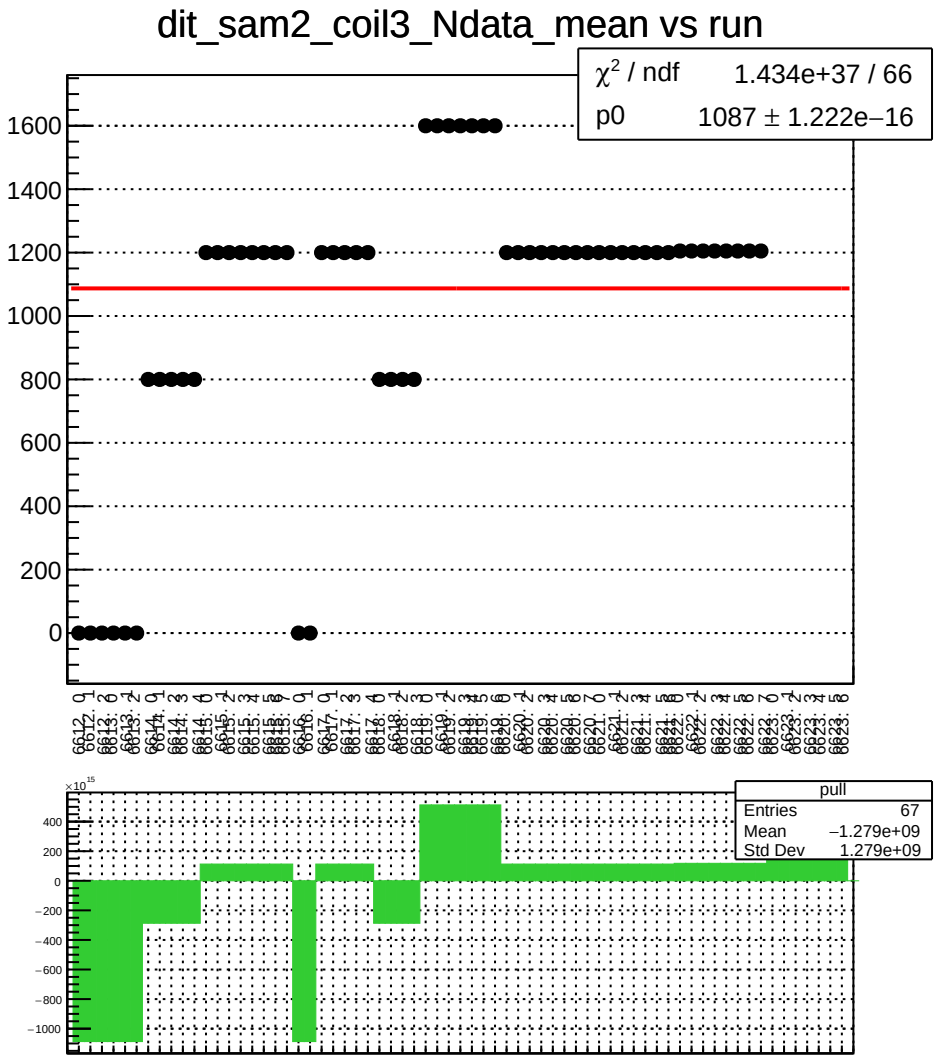

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

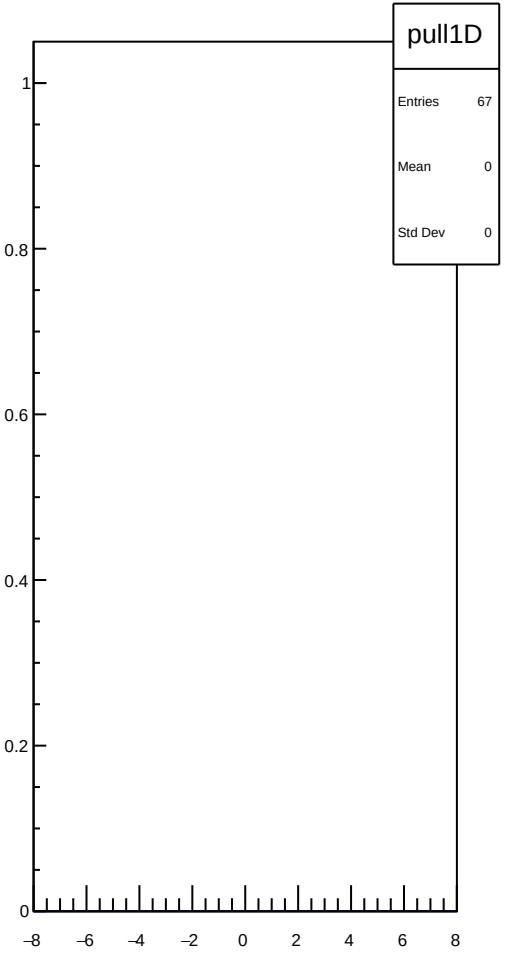

pull1D
Entries 67
Mean 0
Std Dev 0

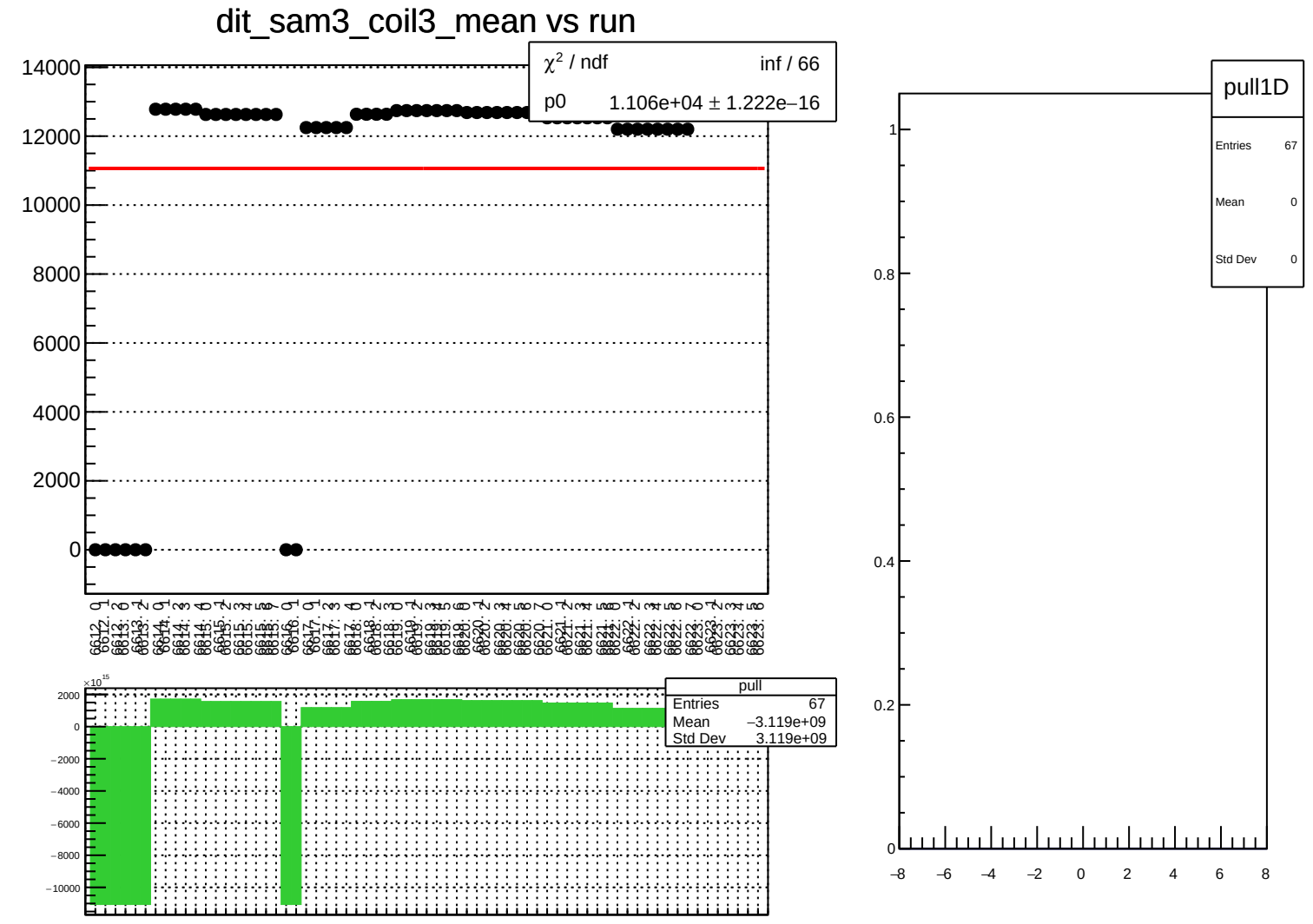

dit_sam2_coil3_mean vs run
χ² / ndf inf / 66
p0 1.715e+04 ± 1.222e−16
20000
15000
10000
5000
0
pull
Entries 67
Mean 1.643e+09
Std Dev 1.643e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

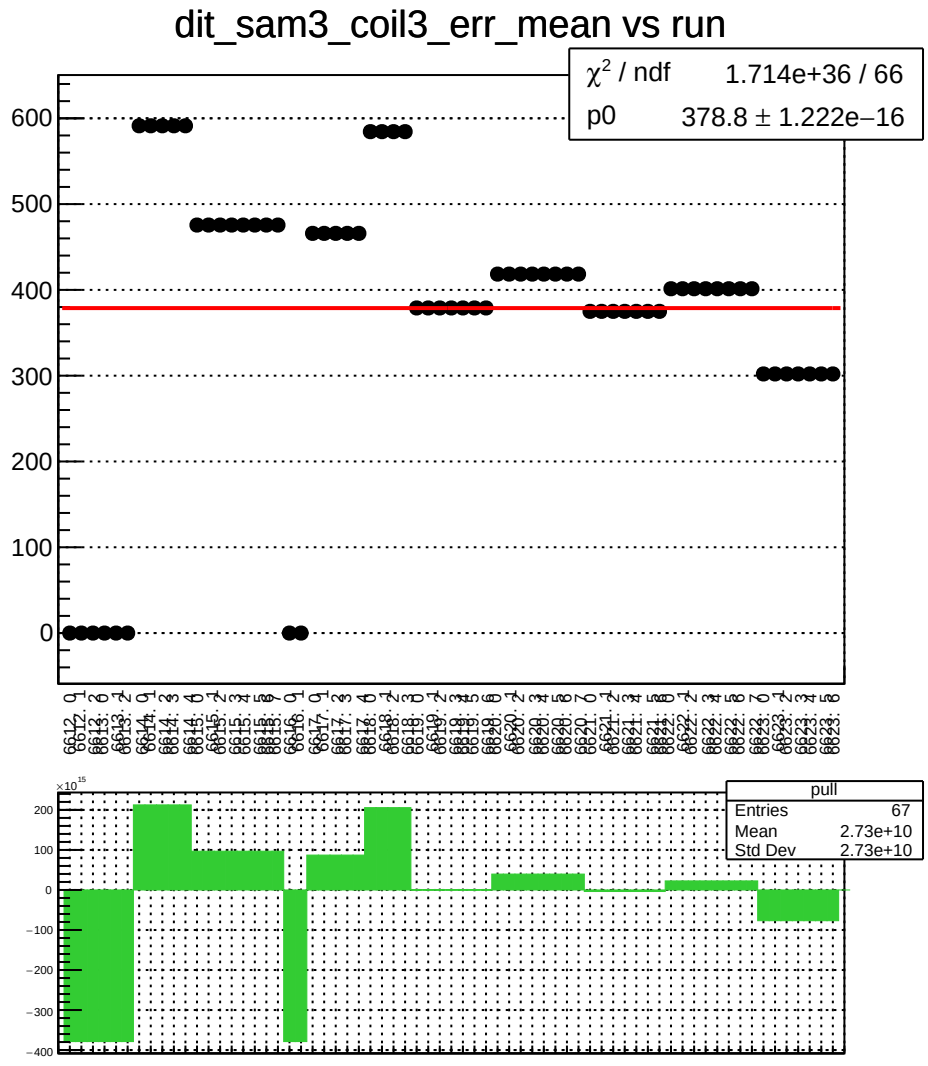

dit_sam2_coil3_err_mean vs run
χ² / ndf 3.034e+36 / 66
p0 508 ± 1.222e−16
pull
Entries 67
Mean −3.239e+08
Std Dev 3.239e+08

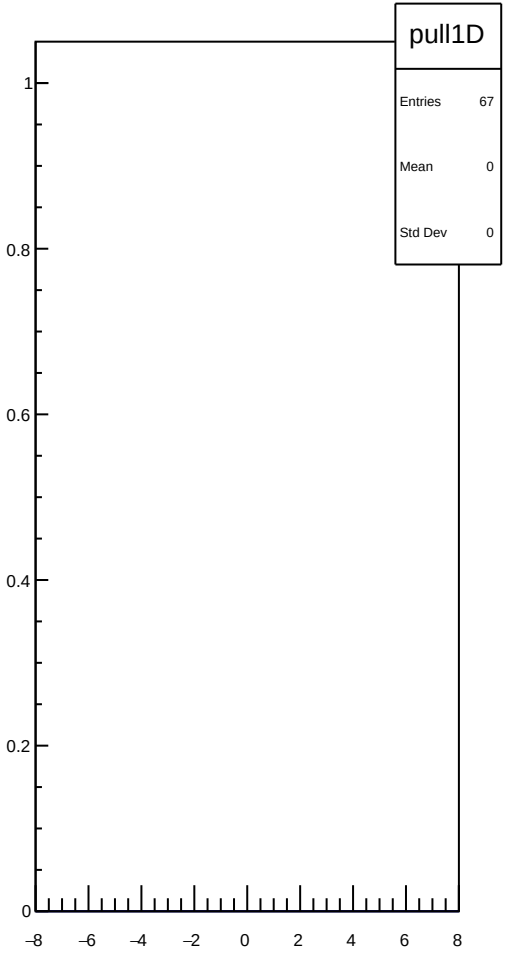

pull1D
Entries 67
Mean 0
Std Dev 0

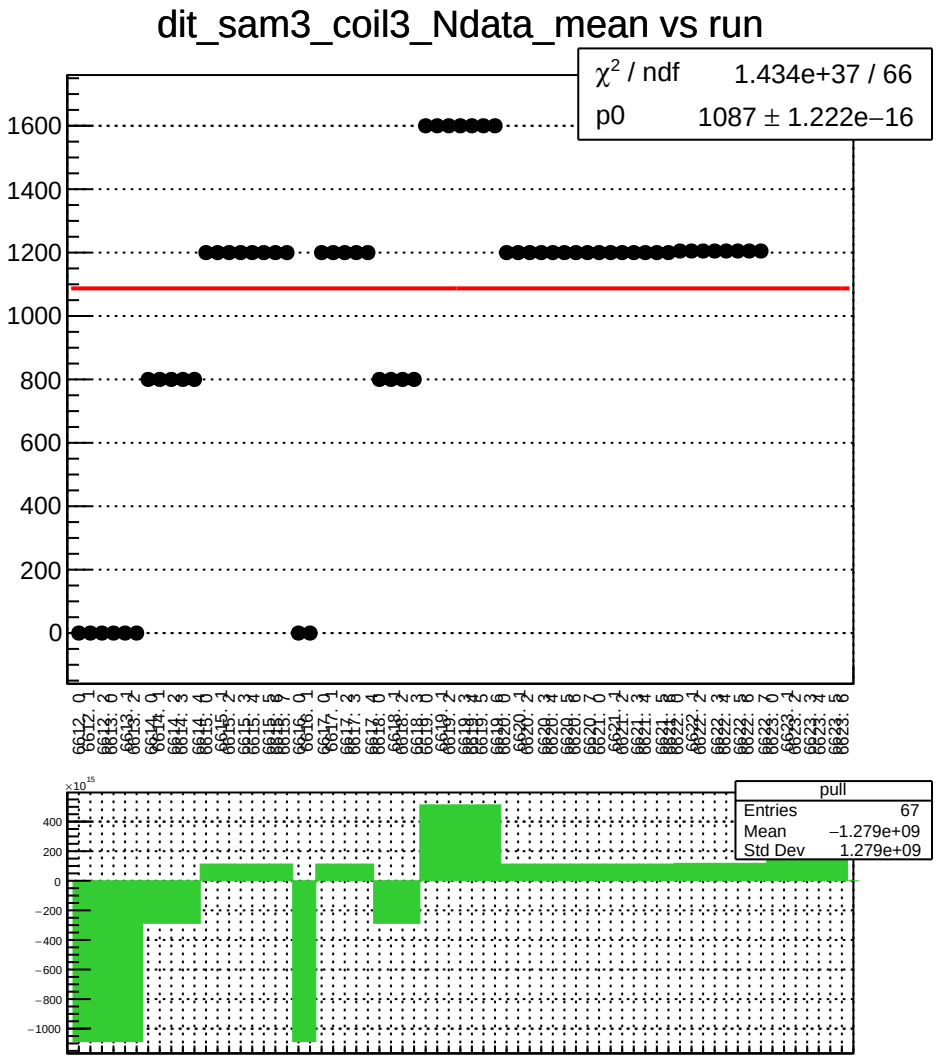

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

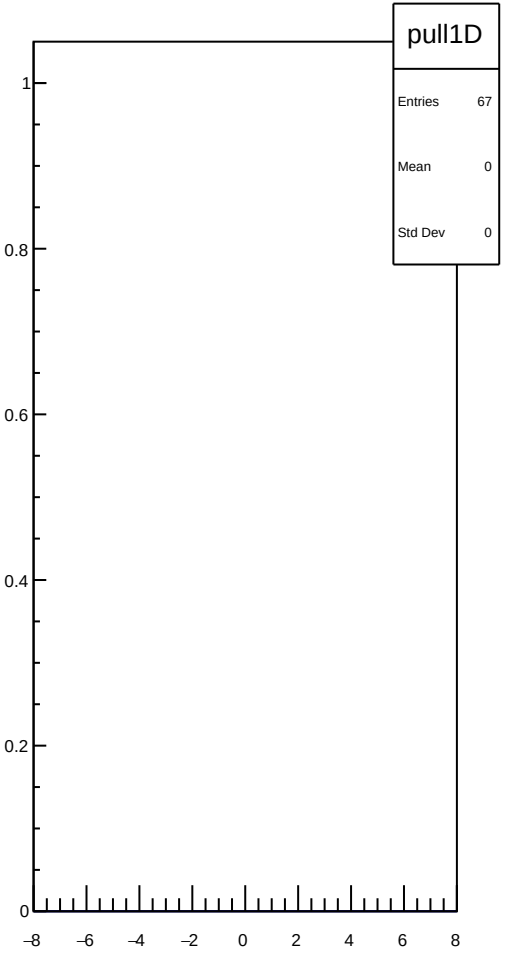

pull1D
Entries 67
Mean 0
Std Dev 0

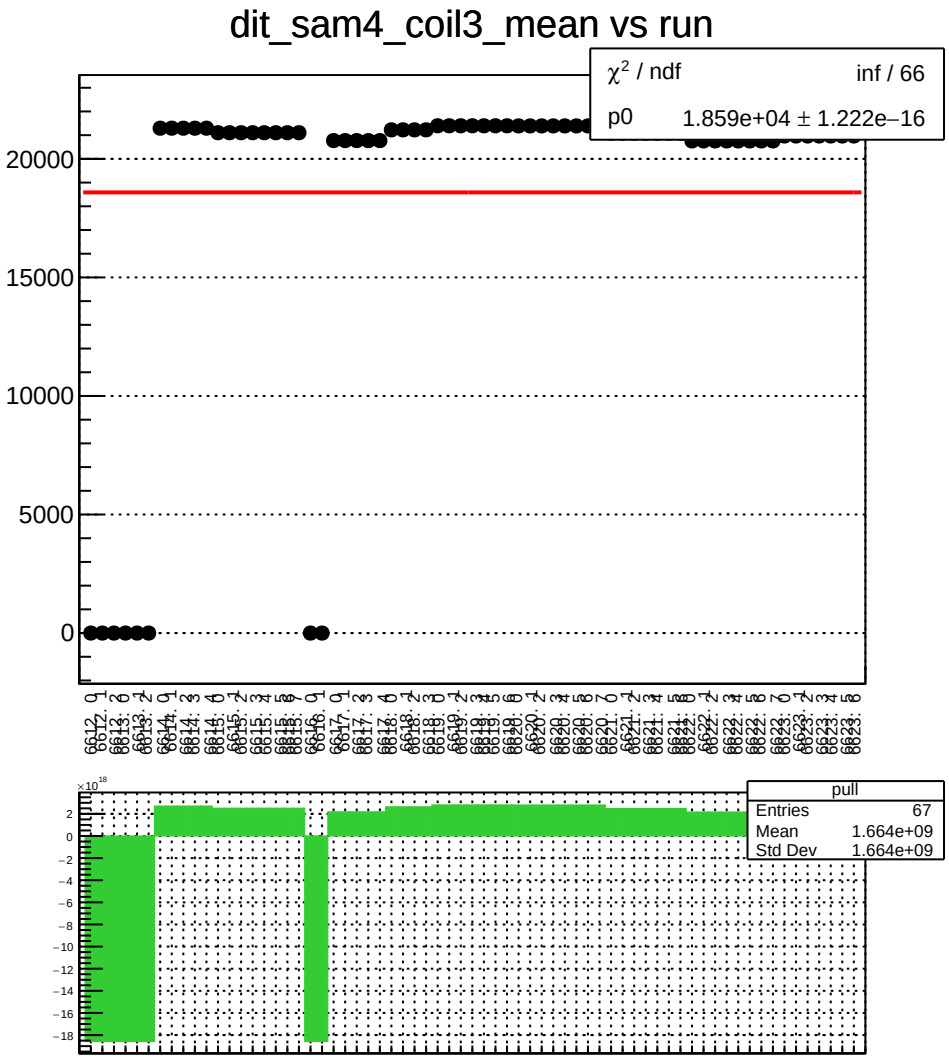

dit_sam3_coil3_mean vs run
χ² / ndf inf / 66
p0 1.106e+04 ± 1.222e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 67
Mean −3.119e+09
Std Dev 3.119e+09
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

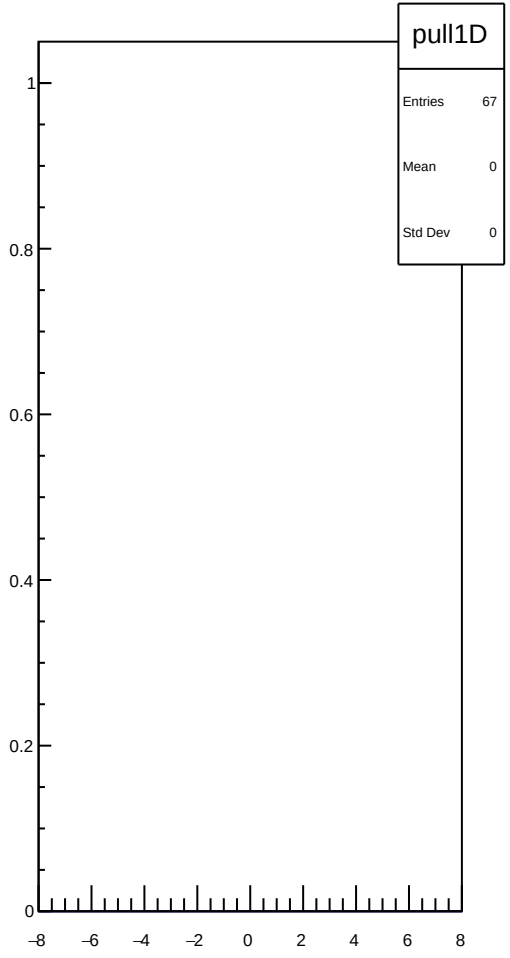

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.714e+36 / 66
p0 378.8 ± 1.222e−16
pull
Entries 67
Mean 2.73e+10
Std Dev 2.73e+10

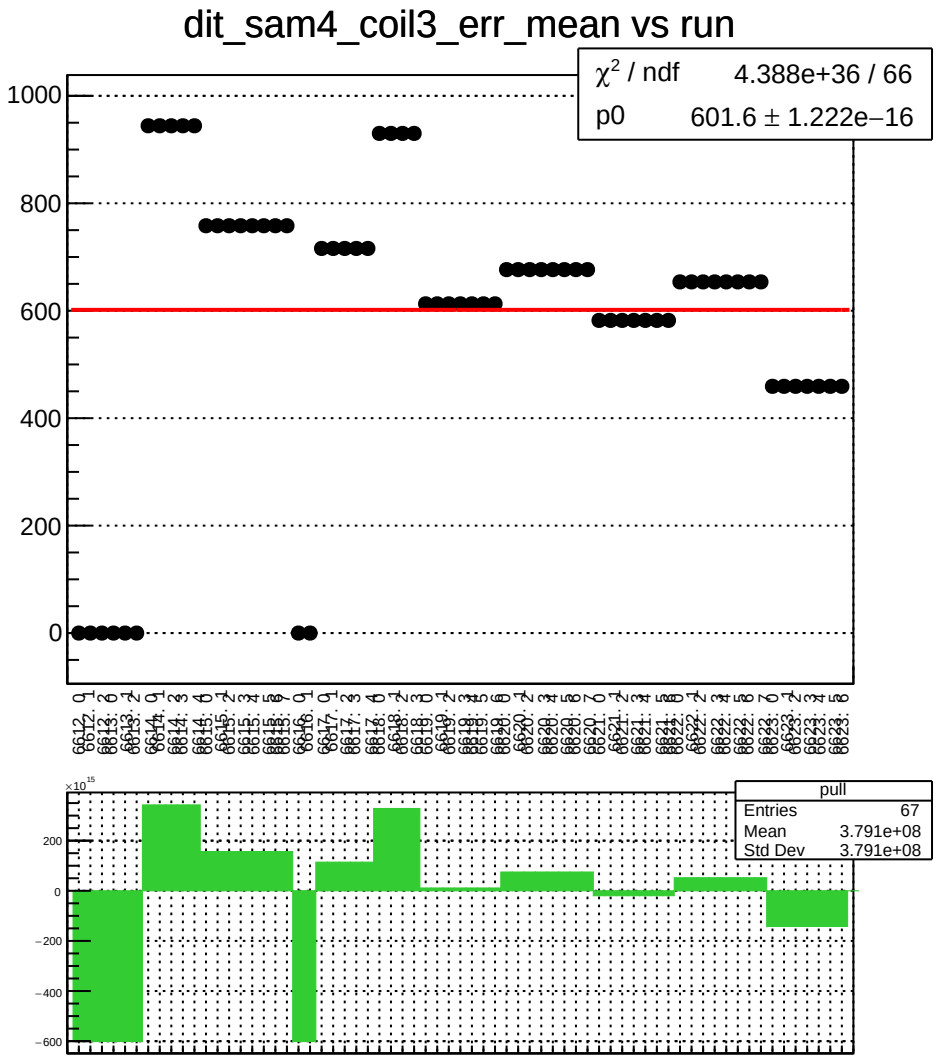

pull1D
Entries 67
Mean 0
Std Dev 0

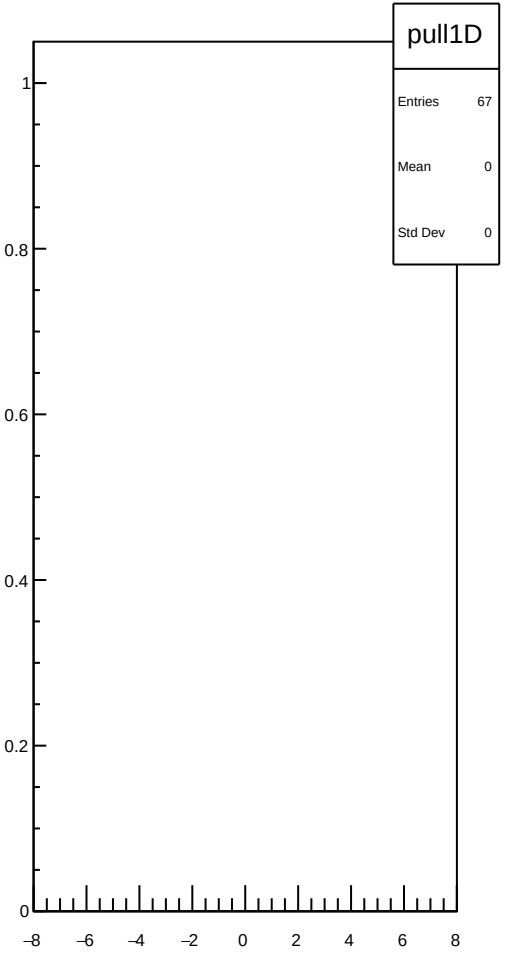

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

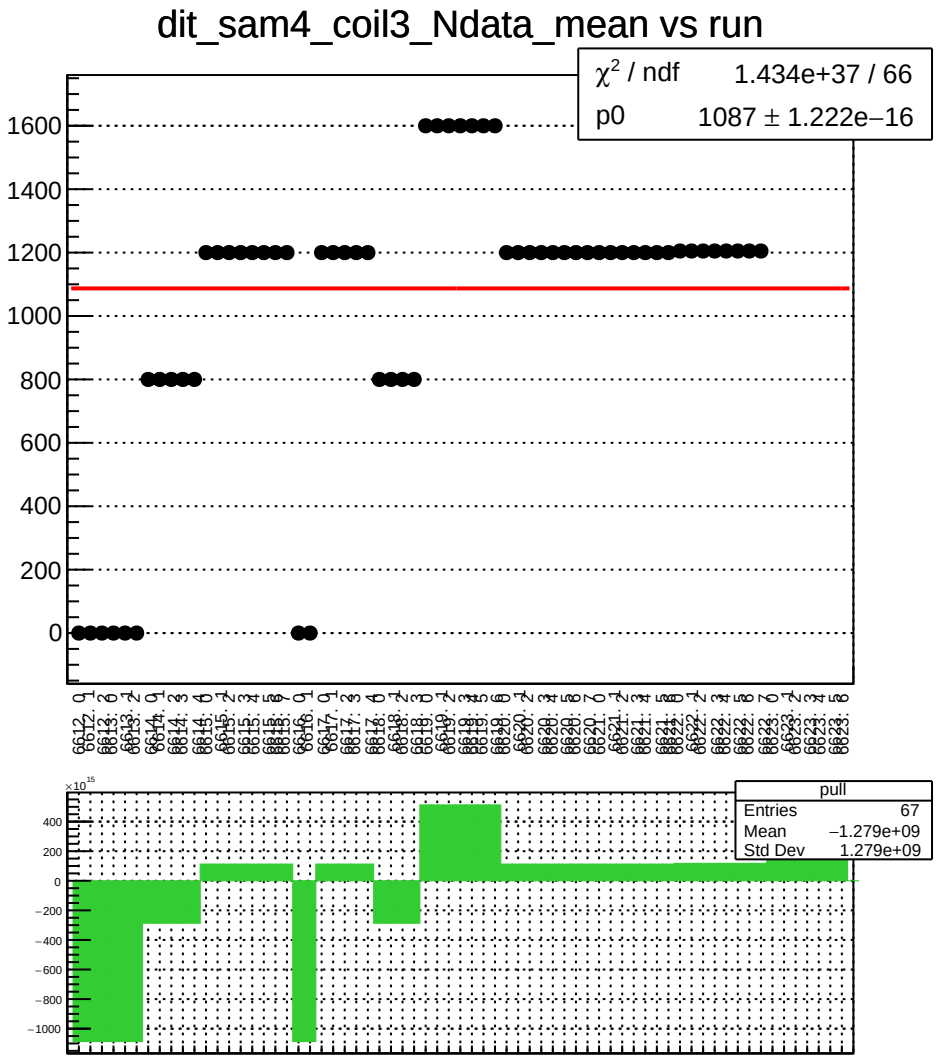

pull1D
Entries 67
Mean 0
Std Dev 0

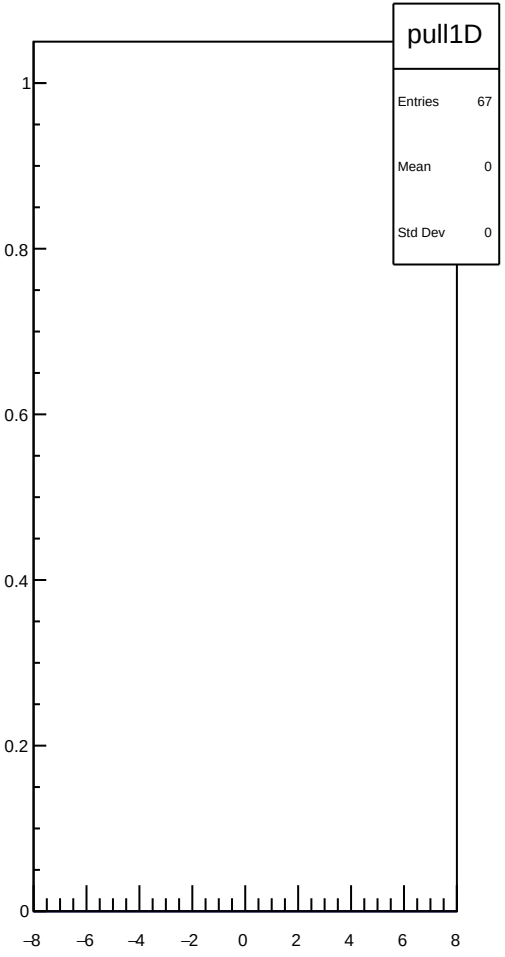

dit_sam4_coil3_mean vs run
χ² / ndf inf / 66
p0 1.859e+04 ± 1.222e−16
20000
15000
10000
5000
0
pull
Entries 67
Mean 1.664e+09
Std Dev 1.664e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

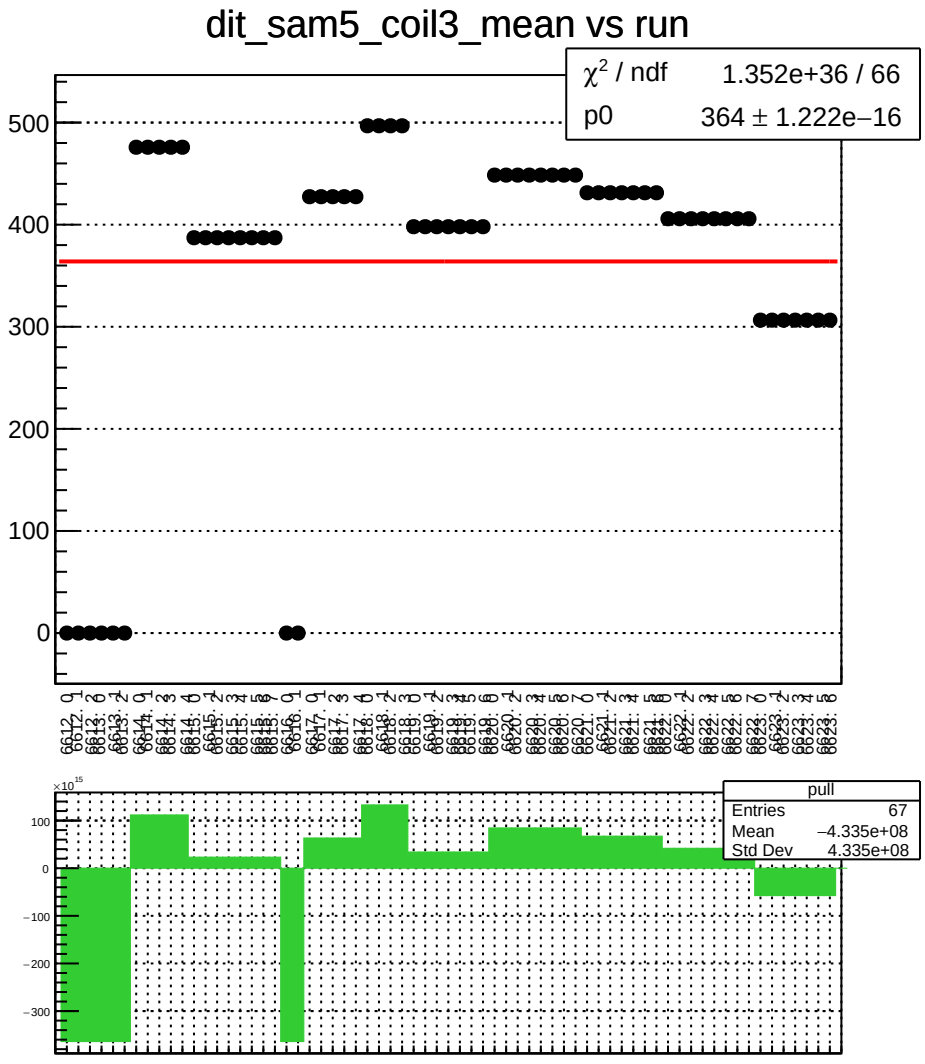

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

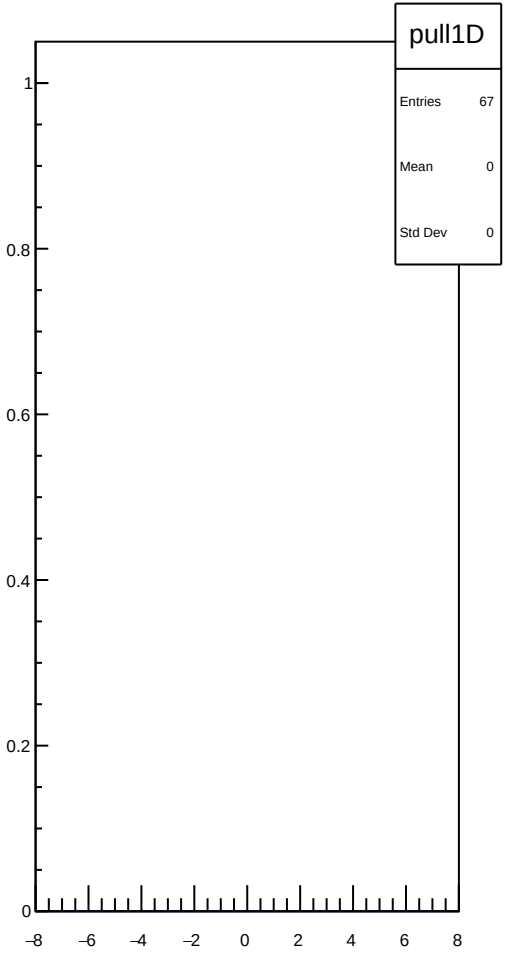

dit_sam4_coil3_err_mean vs run
χ² / ndf 4.388e+36 / 66
p0 601.6 ± 1.222e−16
1000
800
600
400
200
0
pull
Entries 67
Mean 3.791e+08
Std Dev 3.791e+08
×10¹⁵
200
0
−200
−400
−600

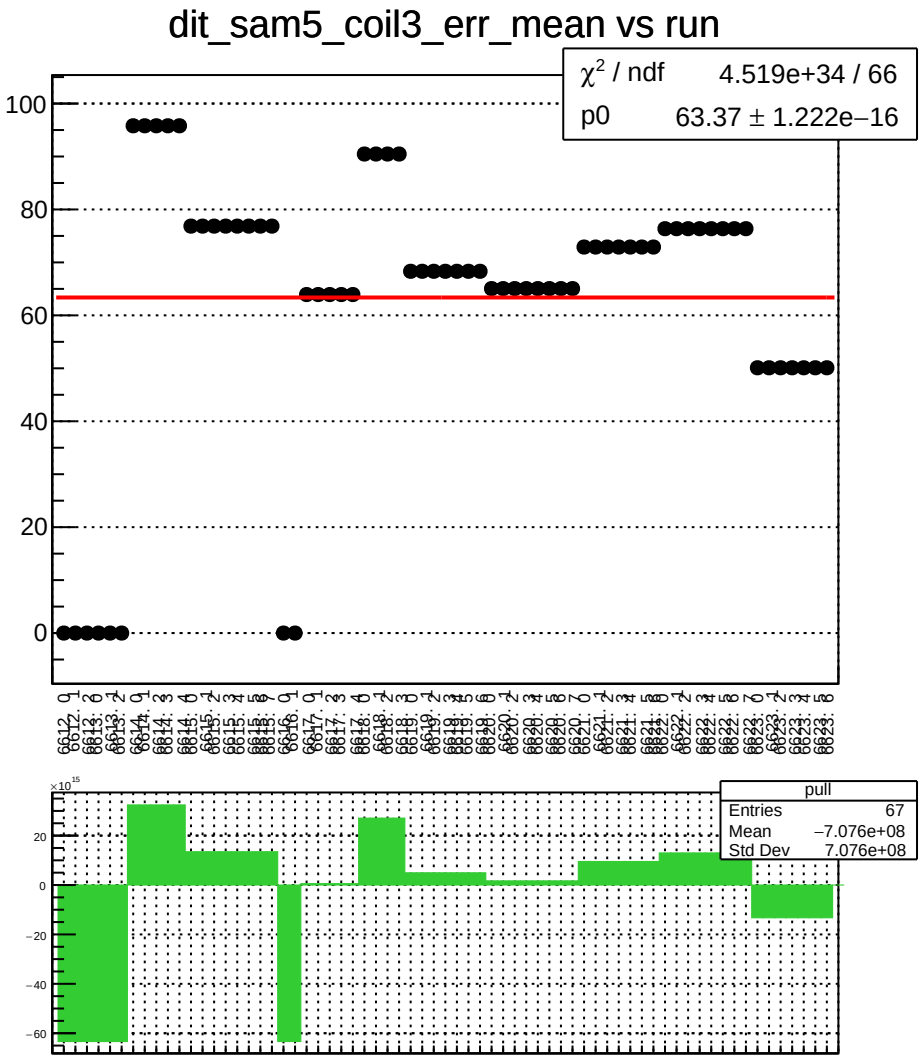

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

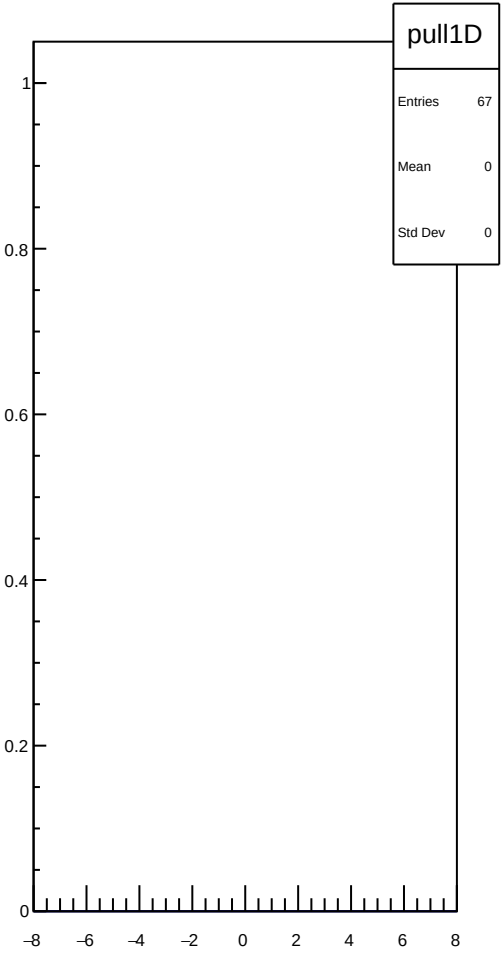

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

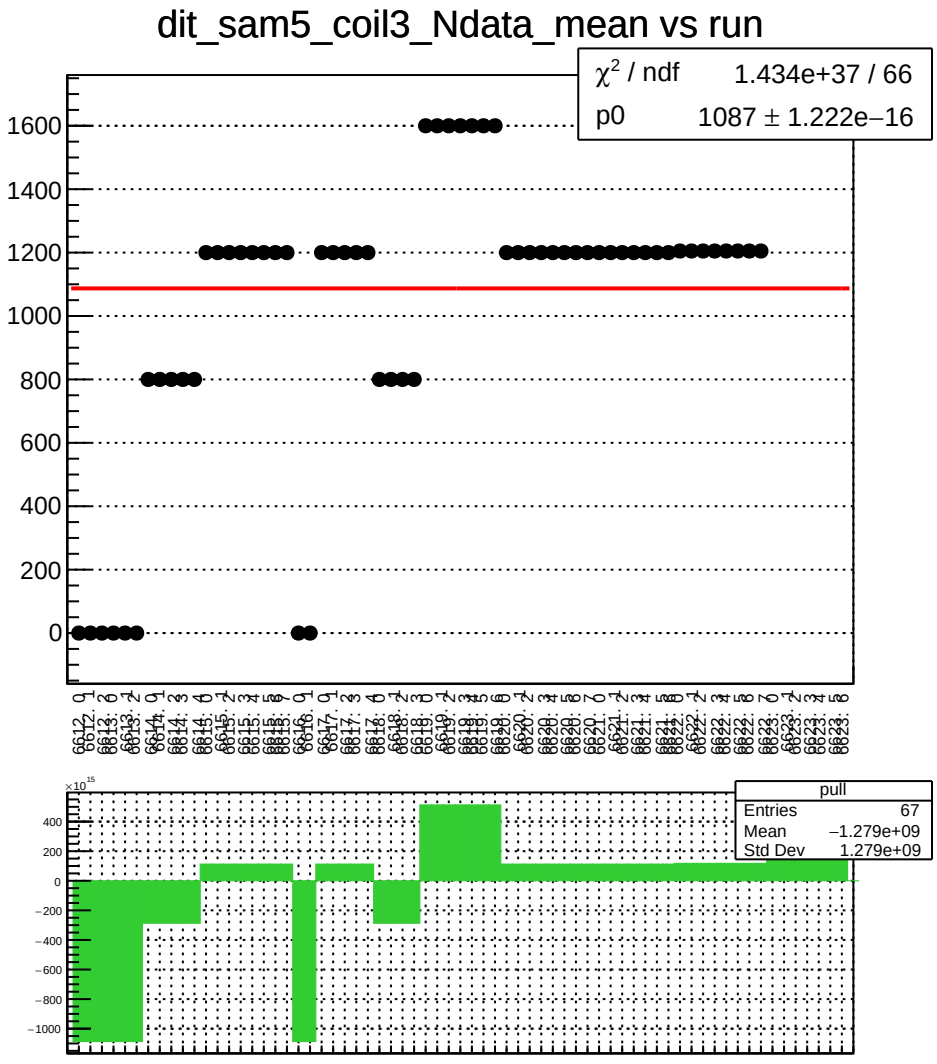

pull1D
Entries 67
Mean 0
Std Dev 0

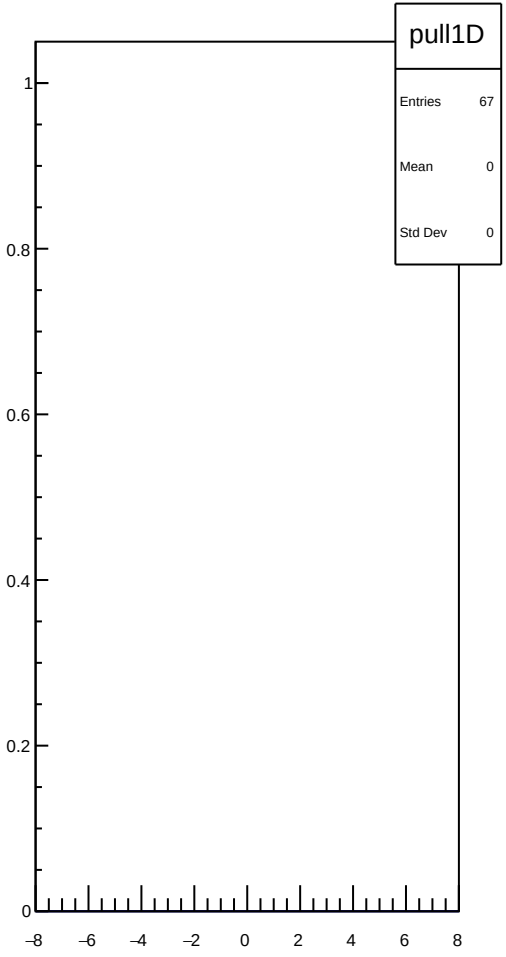

dit_sam5_coil3_mean vs run
χ^2 / ndf 1.352e+36 / 66
p0 364 ± 1.222e−16
500
400
300
200
100
0
pull
Entries 67
Mean −4.335e+08
Std Dev 4.335e+08
×10^15
100
0
−100
−200
−300

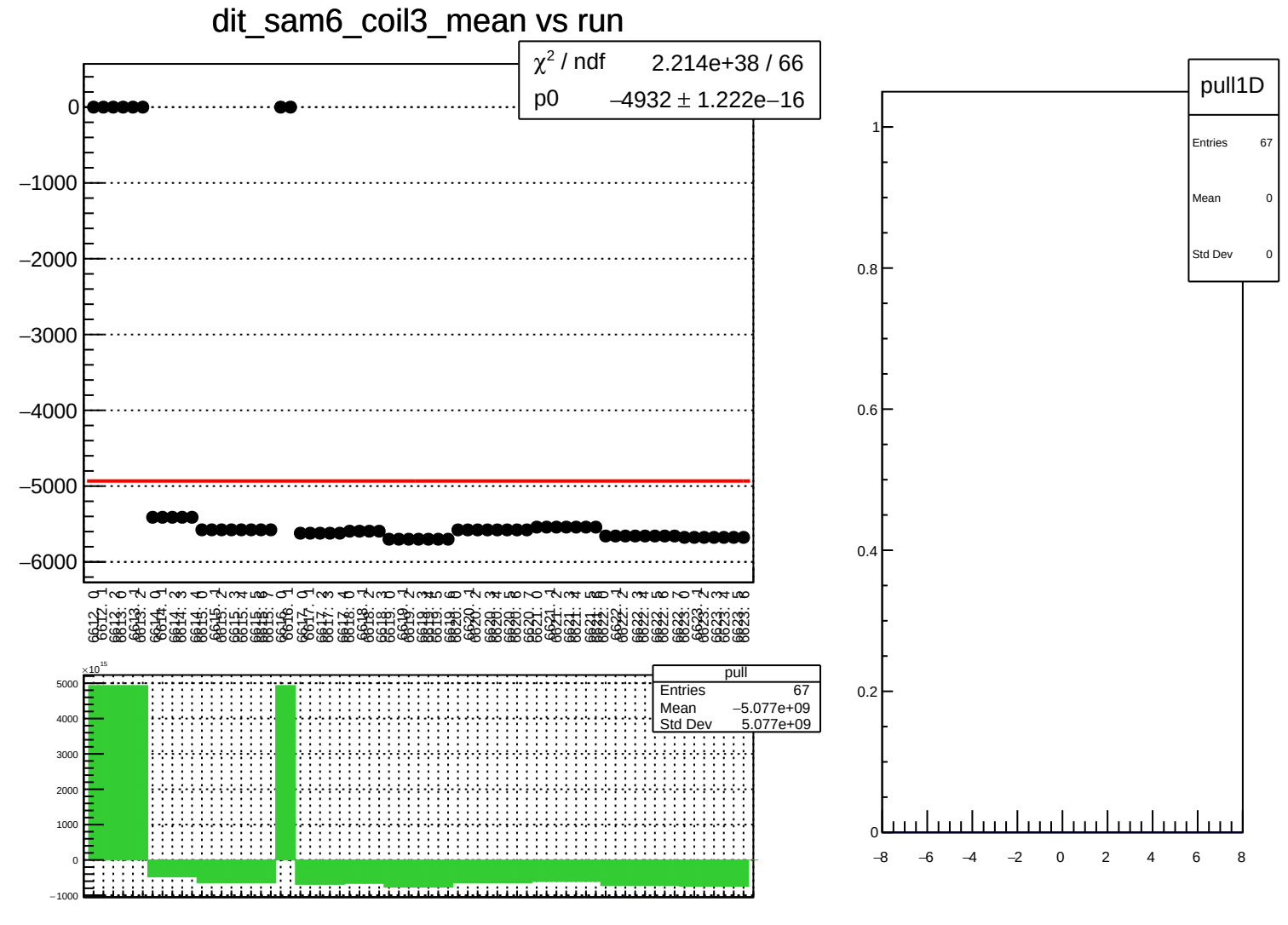

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

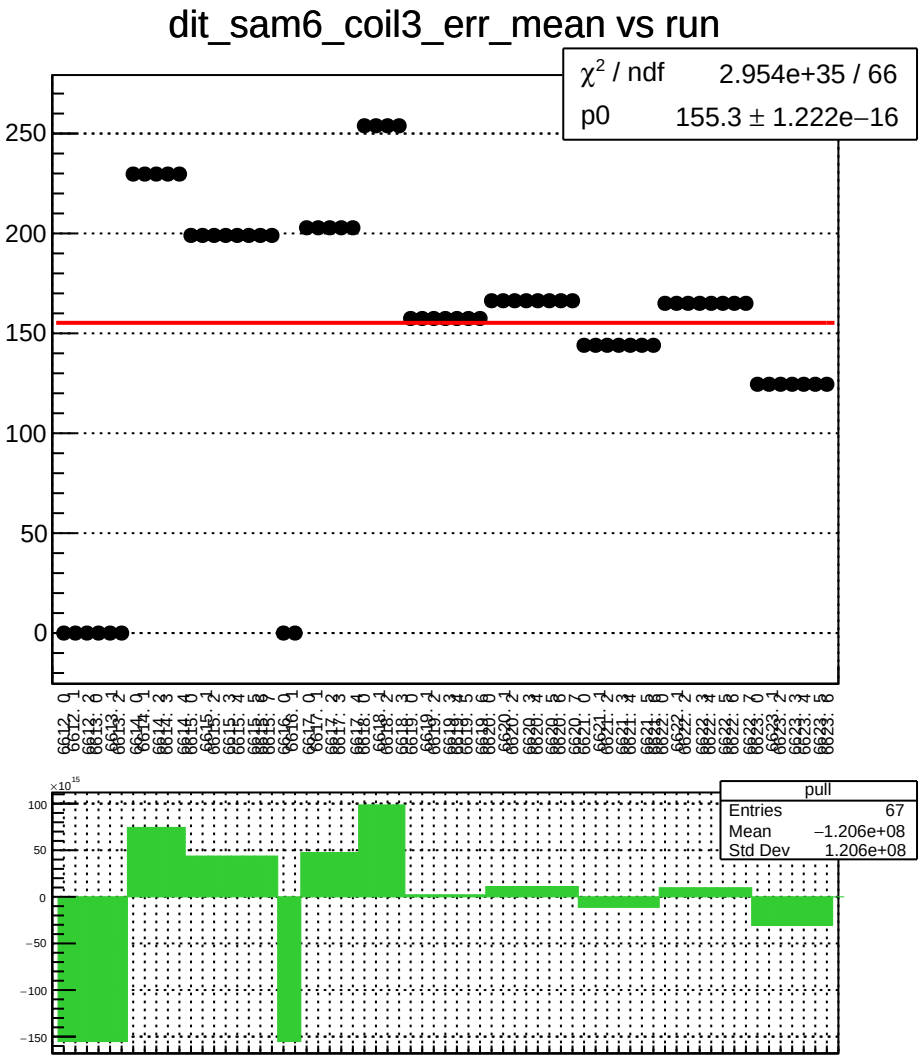

dit_sam5_coil3_err_mean vs run
χ² / ndf 4.519e+34 / 66
p0 63.37 ± 1.222e−16
pull
Entries 67
Mean −7.076e+08
Std Dev 7.076e+08

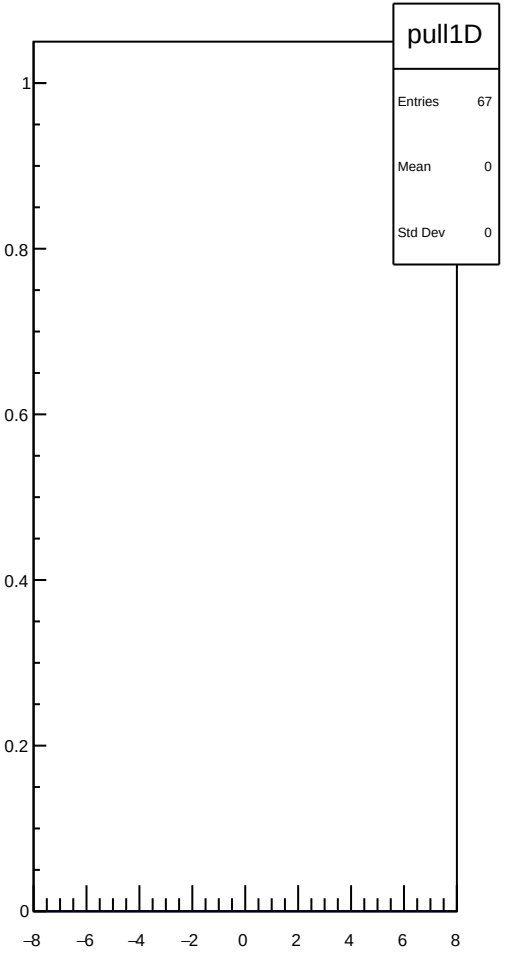

pull1D
Entries 67
Mean 0
Std Dev 0

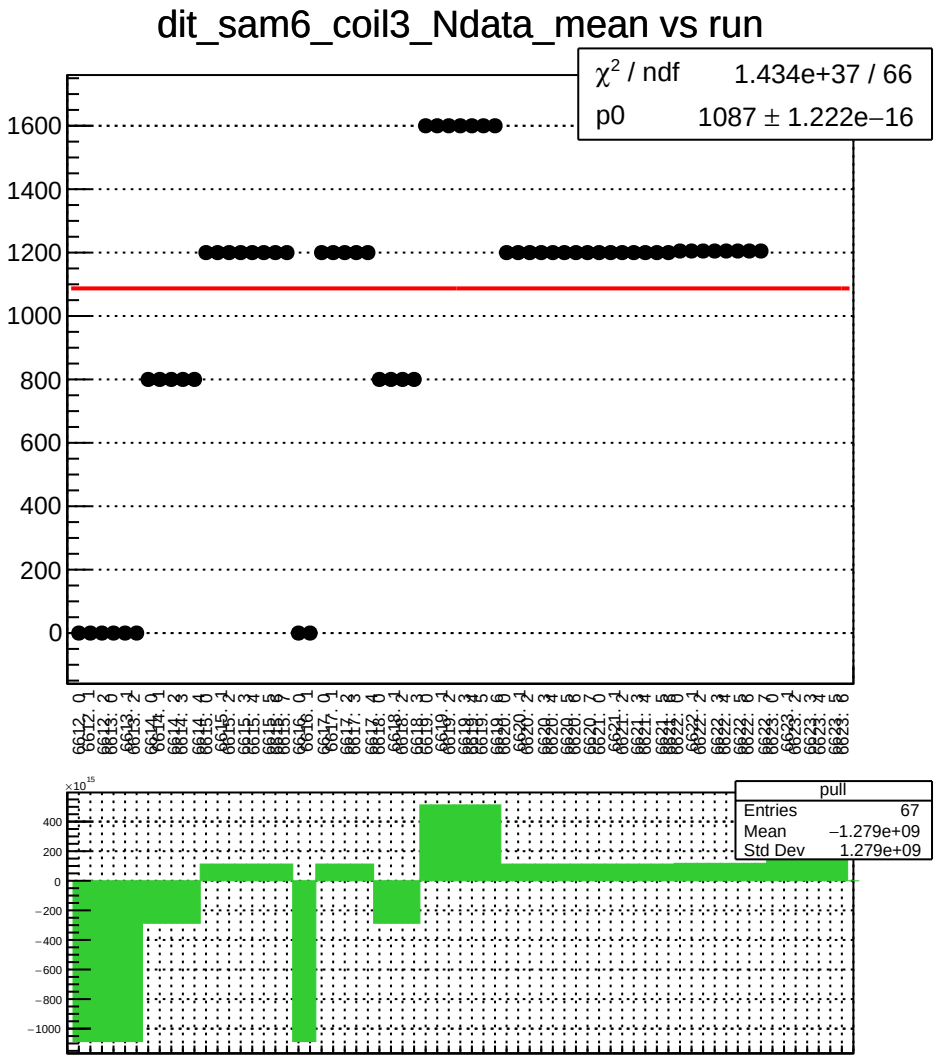

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

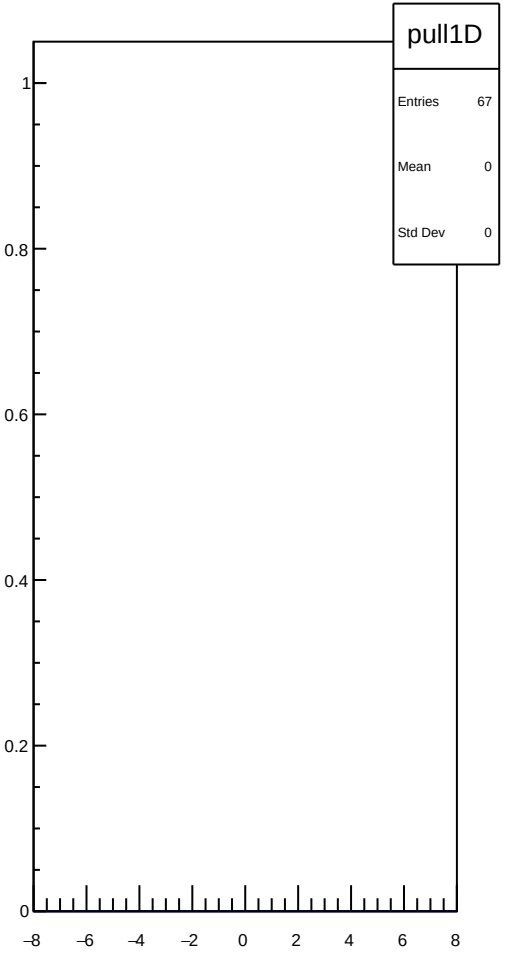

pull1D
Entries 67
Mean 0
Std Dev 0

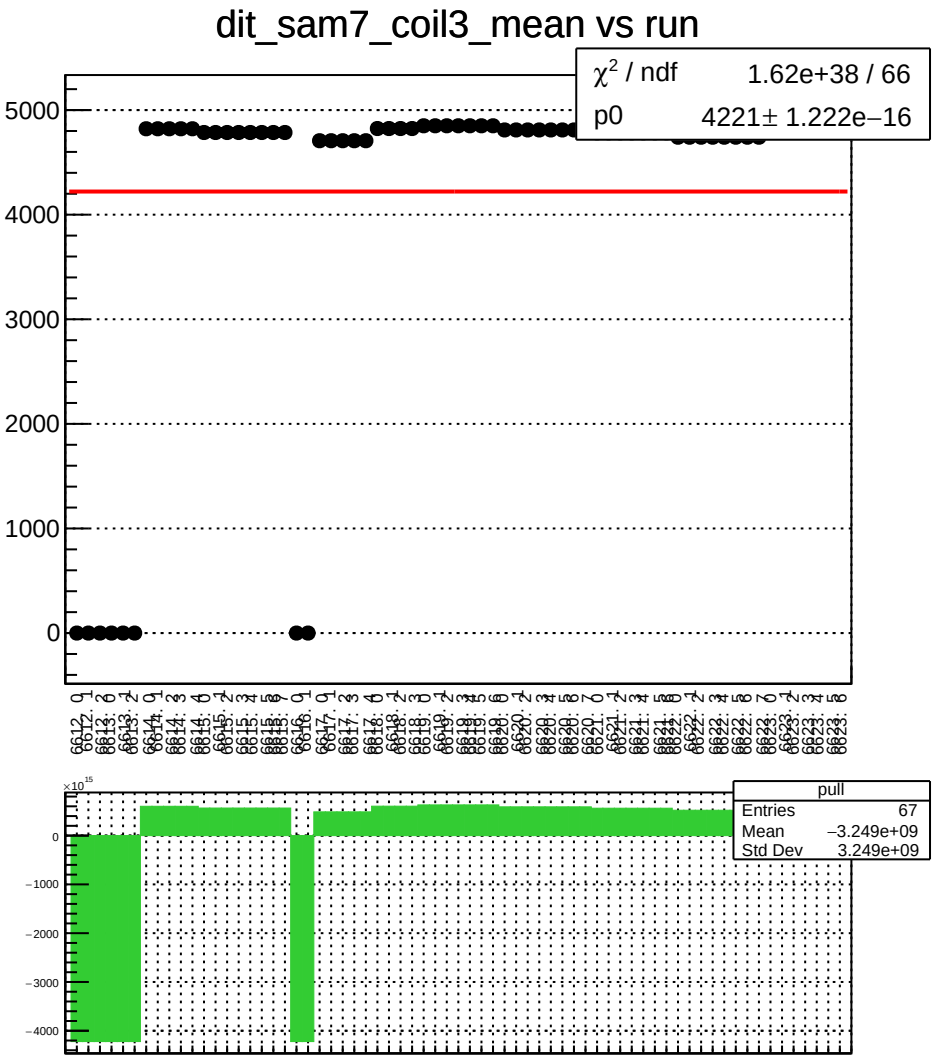

dit_sam6_coil3_mean vs run
χ² / ndf 2.214e+38 / 66
p0 −4932 ± 1.222e−16
pull
Entries 67
Mean −5.077e+09
Std Dev 5.077e+09
pull1D
Entries 67
Mean 0
Std Dev 0

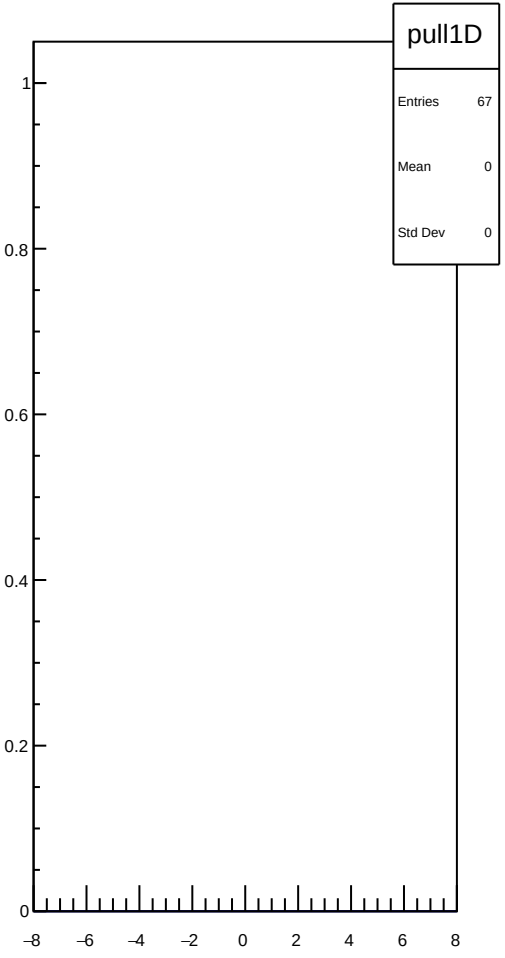

dit_sam6_coil3_err_mean vs run
χ² / ndf 2.954e+35 / 66
p0 155.3 ± 1.222e−16
pull
Entries 67
Mean −1.206e+08
Std Dev 1.206e+08

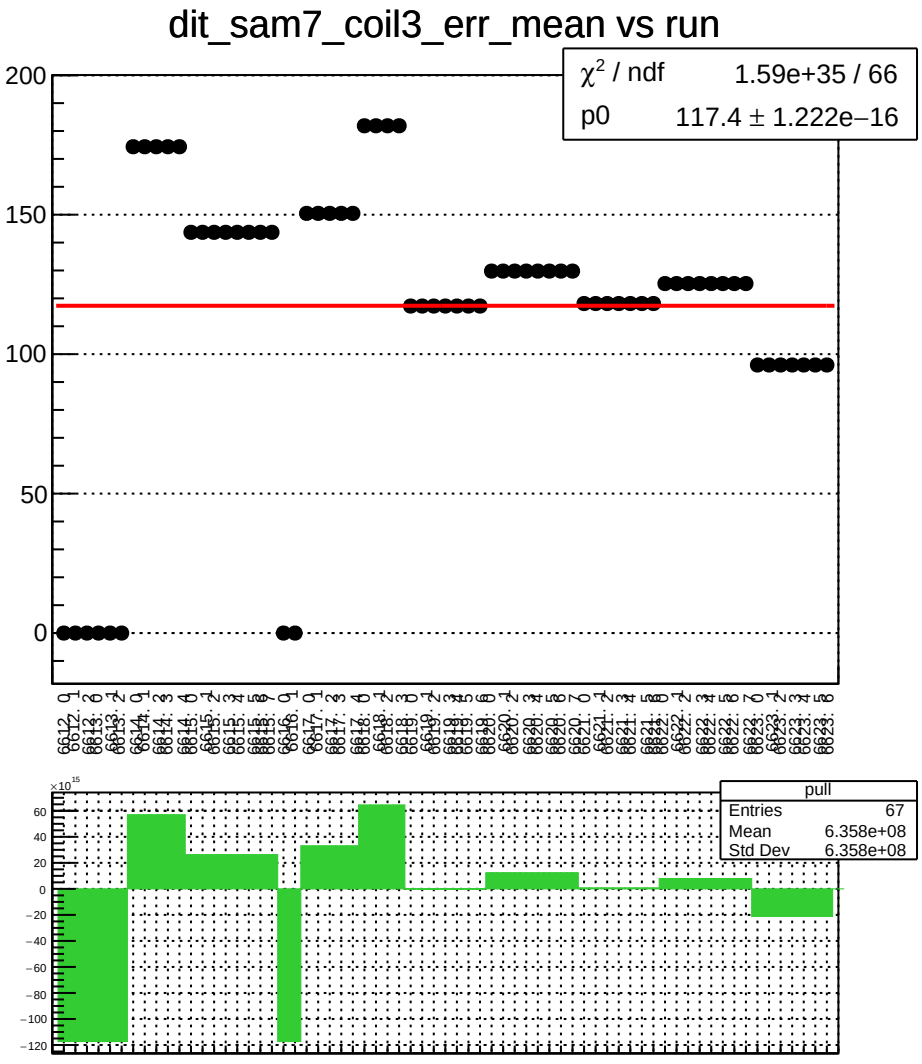

pull1D
Entries 67
Mean 0
Std Dev 0

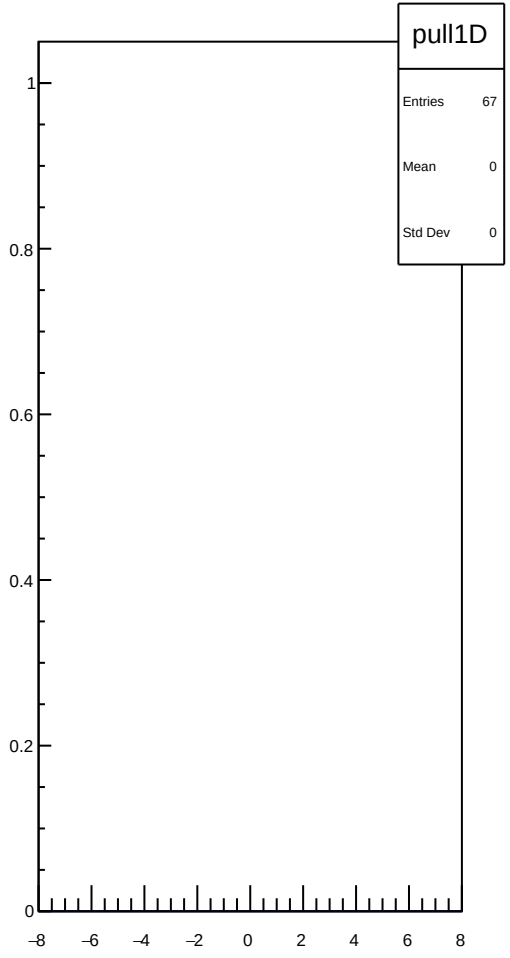

dit_sam6_coil3_Ndata_mean vs run
χ^2 / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

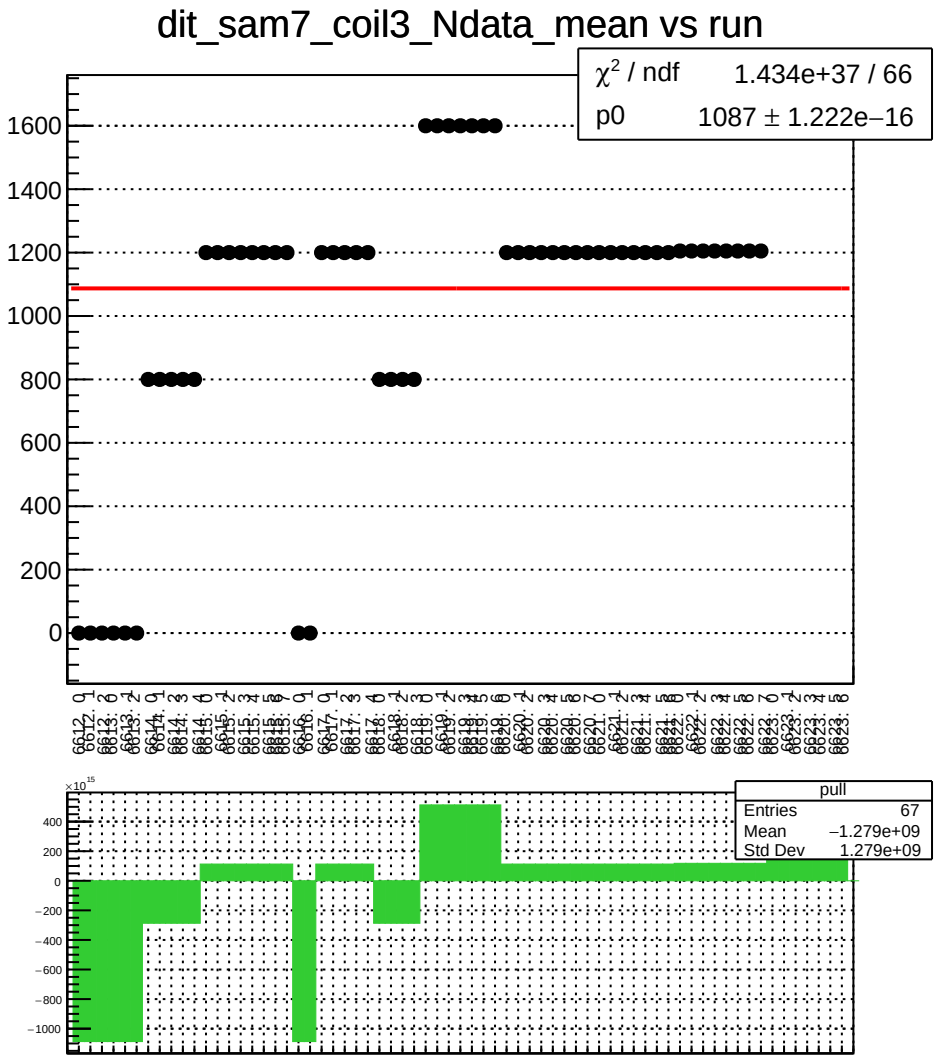

pull1D
Entries 67
Mean 0
Std Dev 0

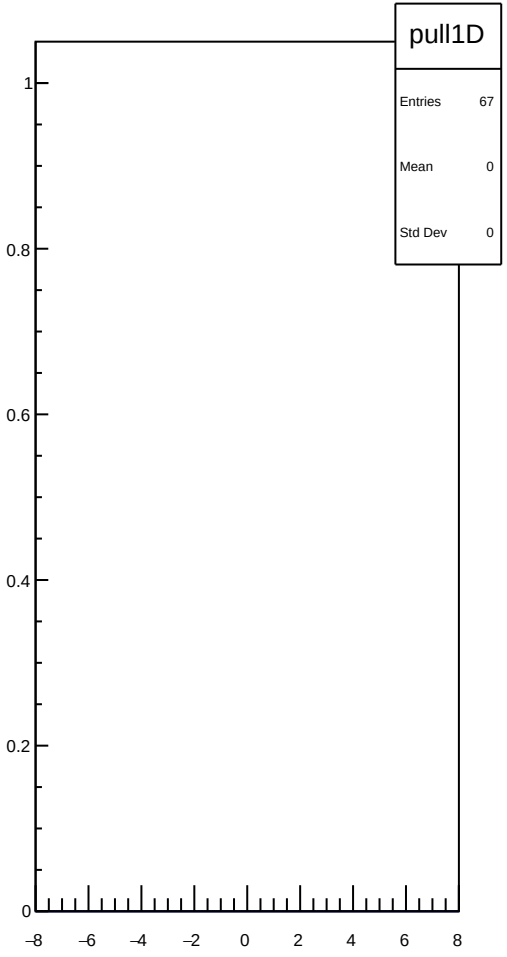

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.62e+38 / 66
p0 4221± 1.222e−16
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean −3.249e+09
Std Dev 3.249e+09
×10^15
0
−1000
−2000
−3000
−4000

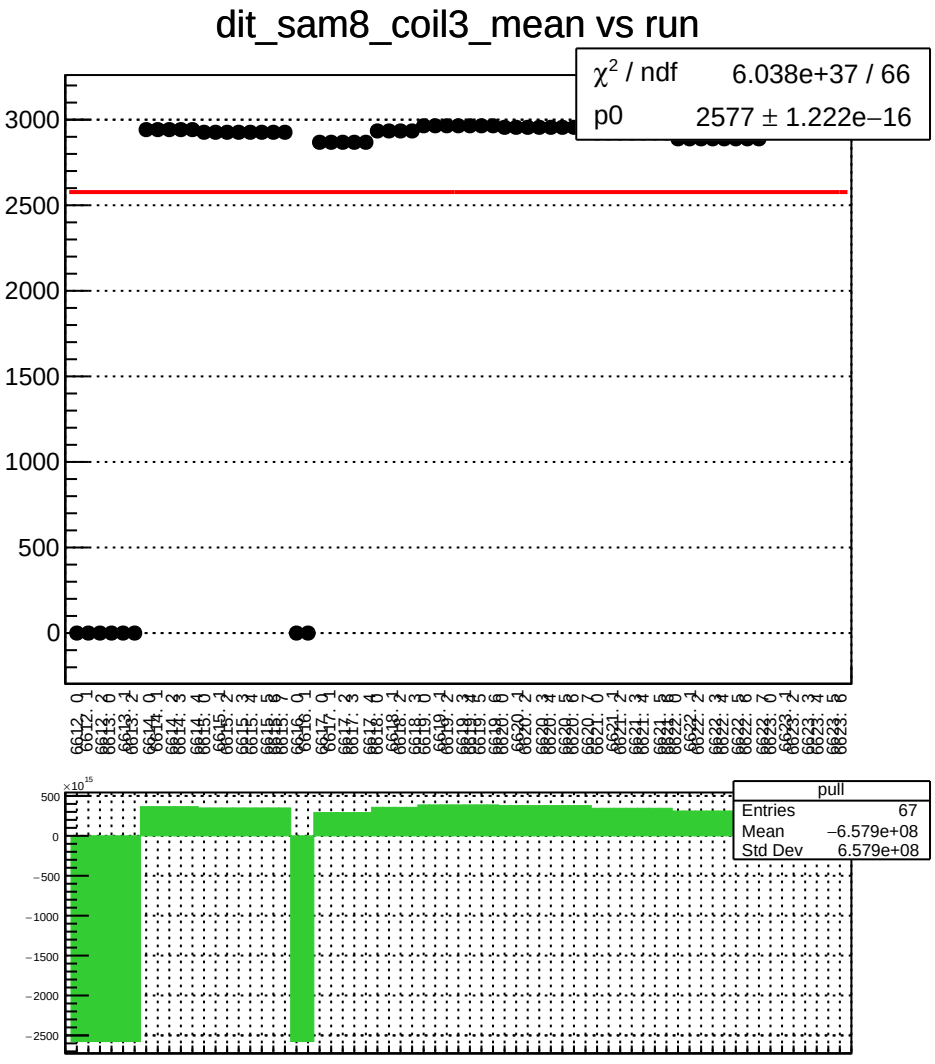

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

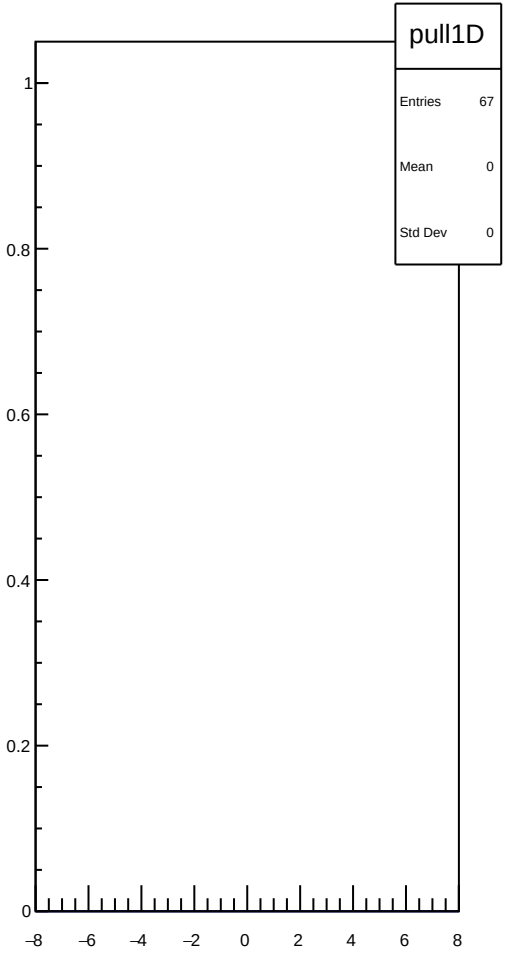

dit_sam7_coil3_err_mean vs run
χ^2 / ndf 1.59e+35 / 66
p0 117.4 ± 1.222e−16
200
150
100
50
0
pull
Entries 67
Mean 6.358e+08
Std Dev 6.358e+08
$\times 10^{15}$
60
40
20
0
−20
−40
−60
−80
−100
−120

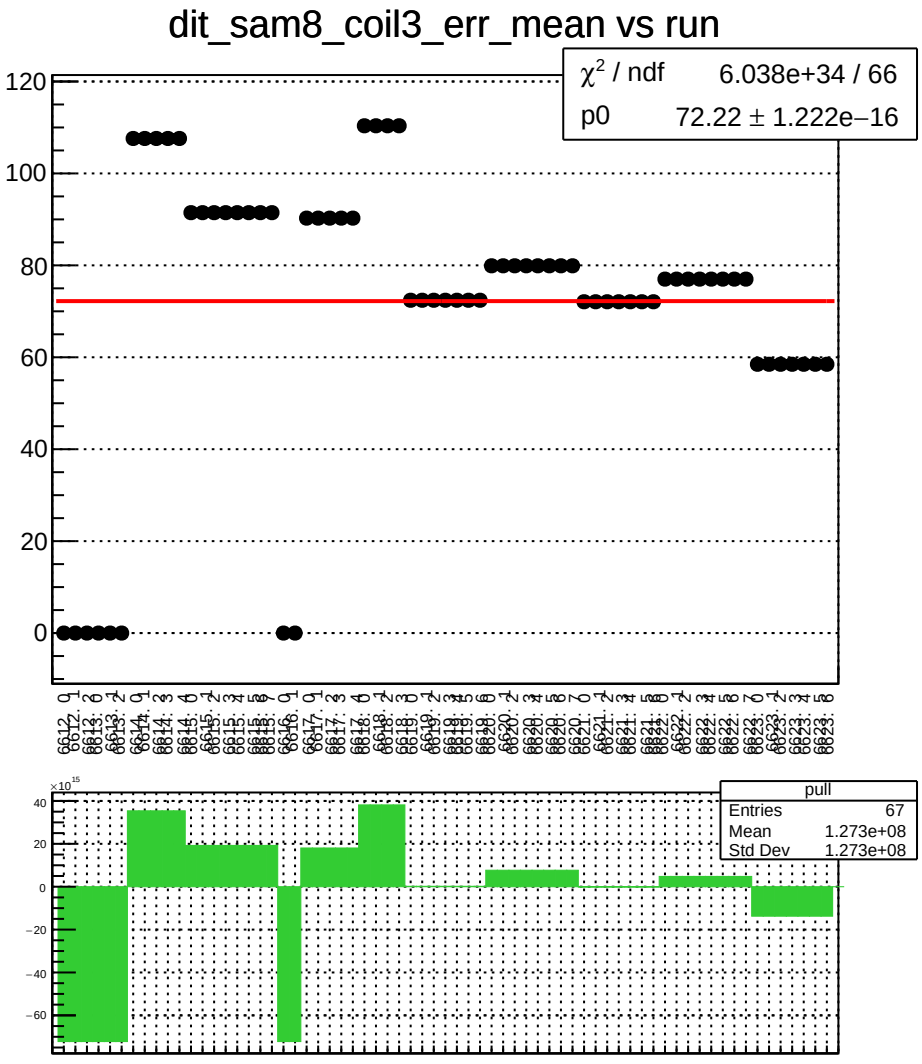

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

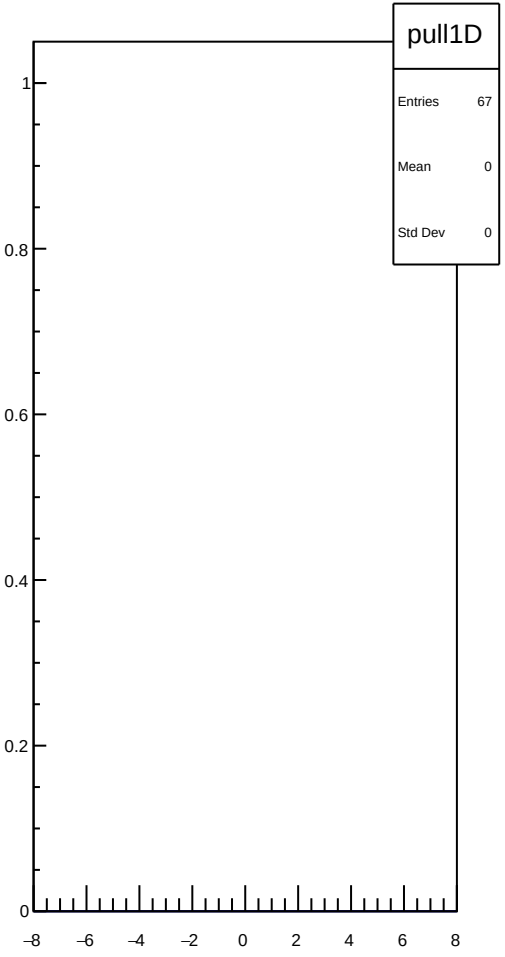

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

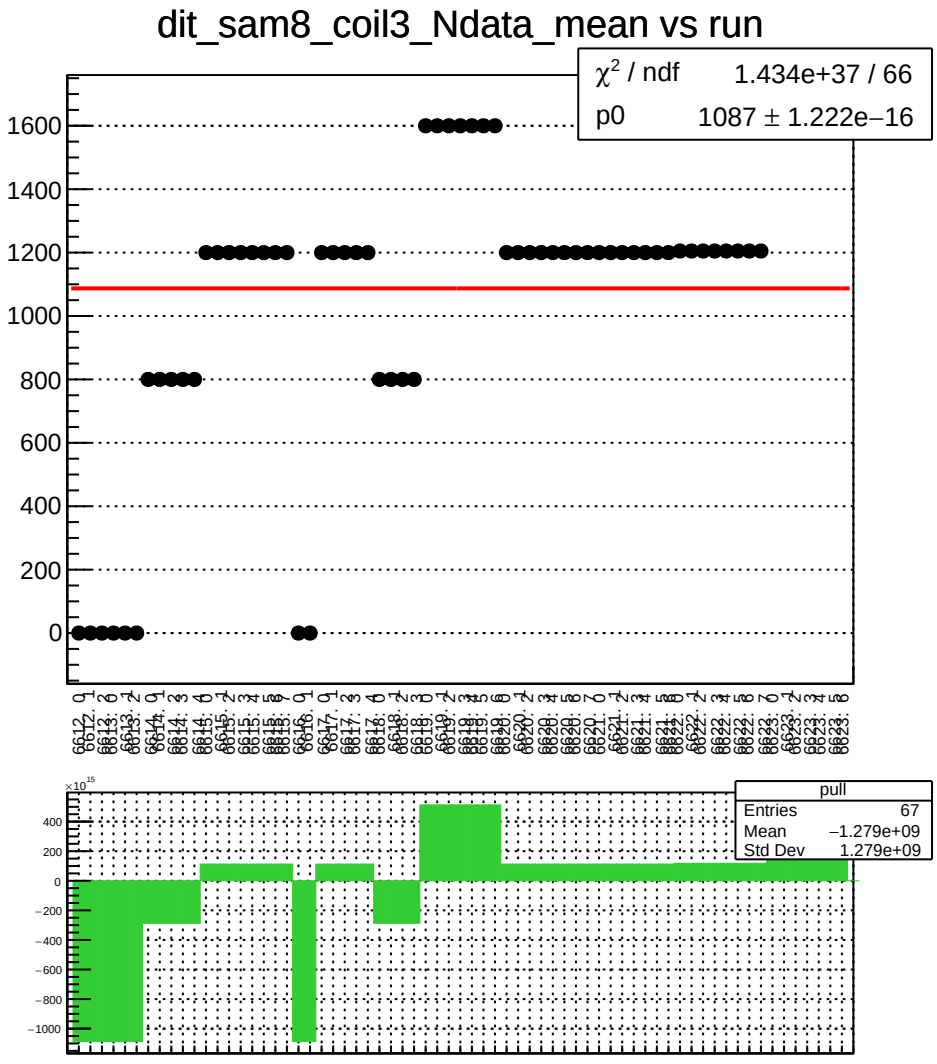

pull1D
Entries 67
Mean 0
Std Dev 0

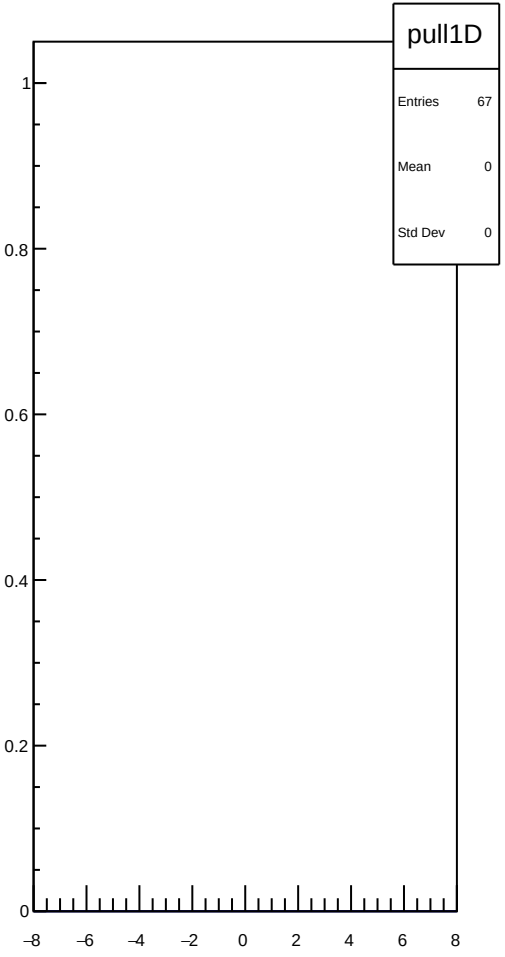

dit_sam8_coil3_mean vs run
χ² / ndf 6.038e+37 / 66
p0 2577 ± 1.222e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 67
Mean −6.579e+08
Std Dev 6.579e+08
500
0
−500
−1000
−1500
−2000
−2500

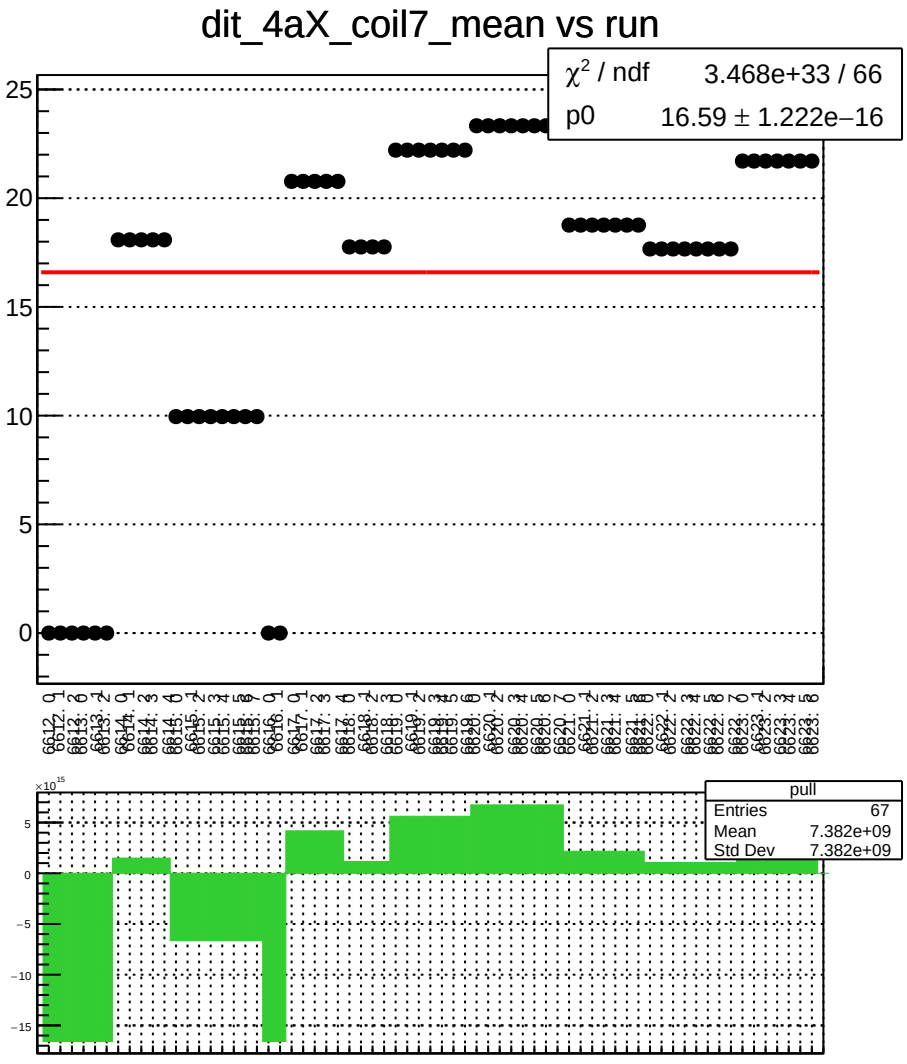

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

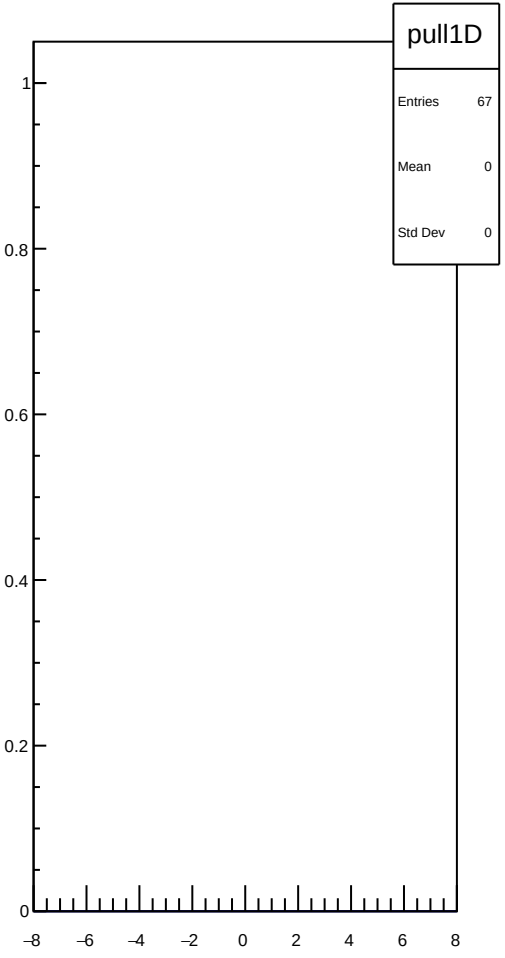

dit_sam8_coil3_err_mean vs run
χ² / ndf 6.038e+34 / 66
p0 72.22 ± 1.222e−16
pull
Entries 67
Mean 1.273e+08
Std Dev 1.273e+08

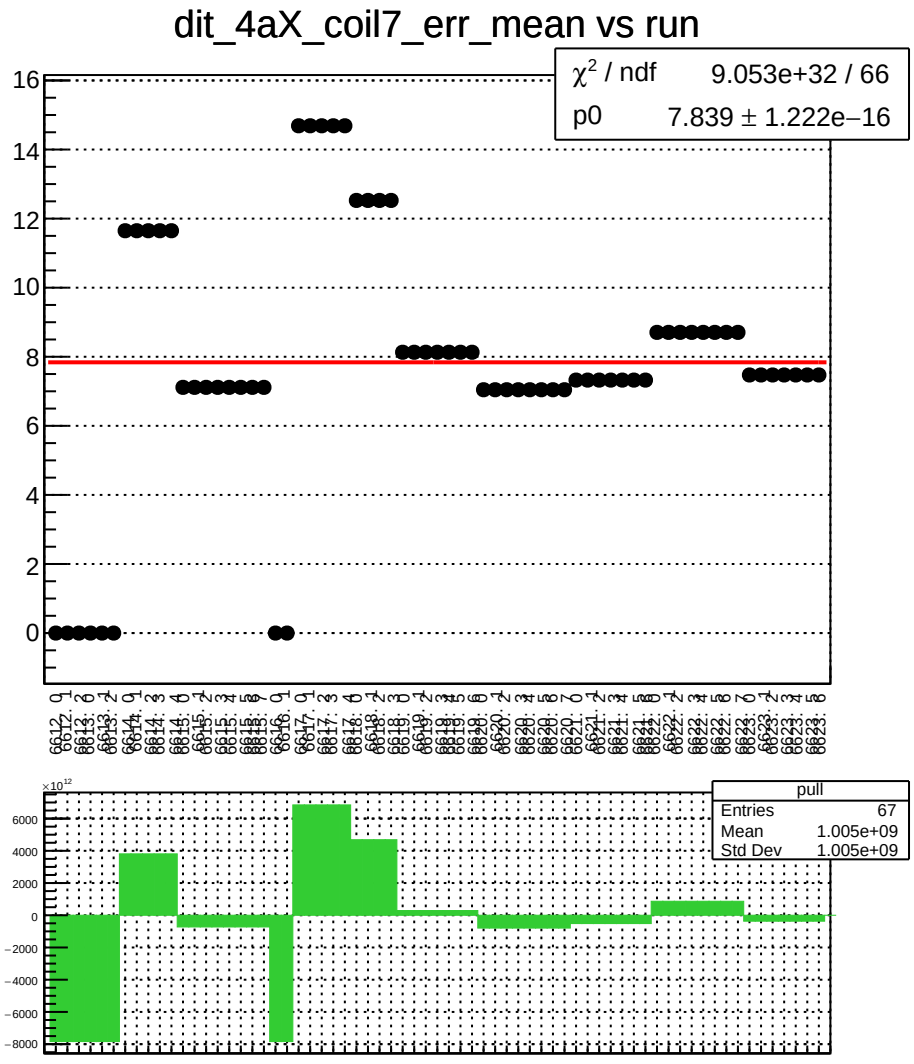

pull1D
Entries 67
Mean 0
Std Dev 0

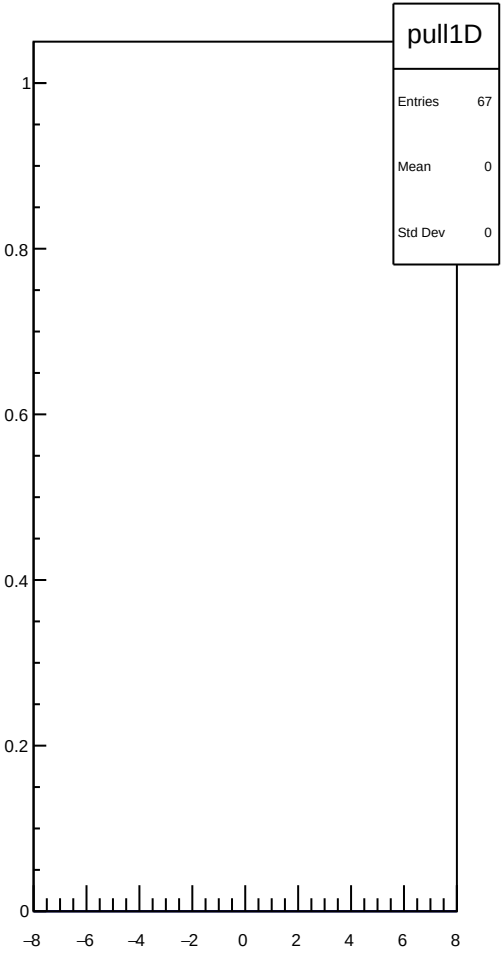

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.434e+37 / 66
p0 1087 ± 1.222e−16
pull
Entries 67
Mean −1.279e+09
Std Dev 1.279e+09

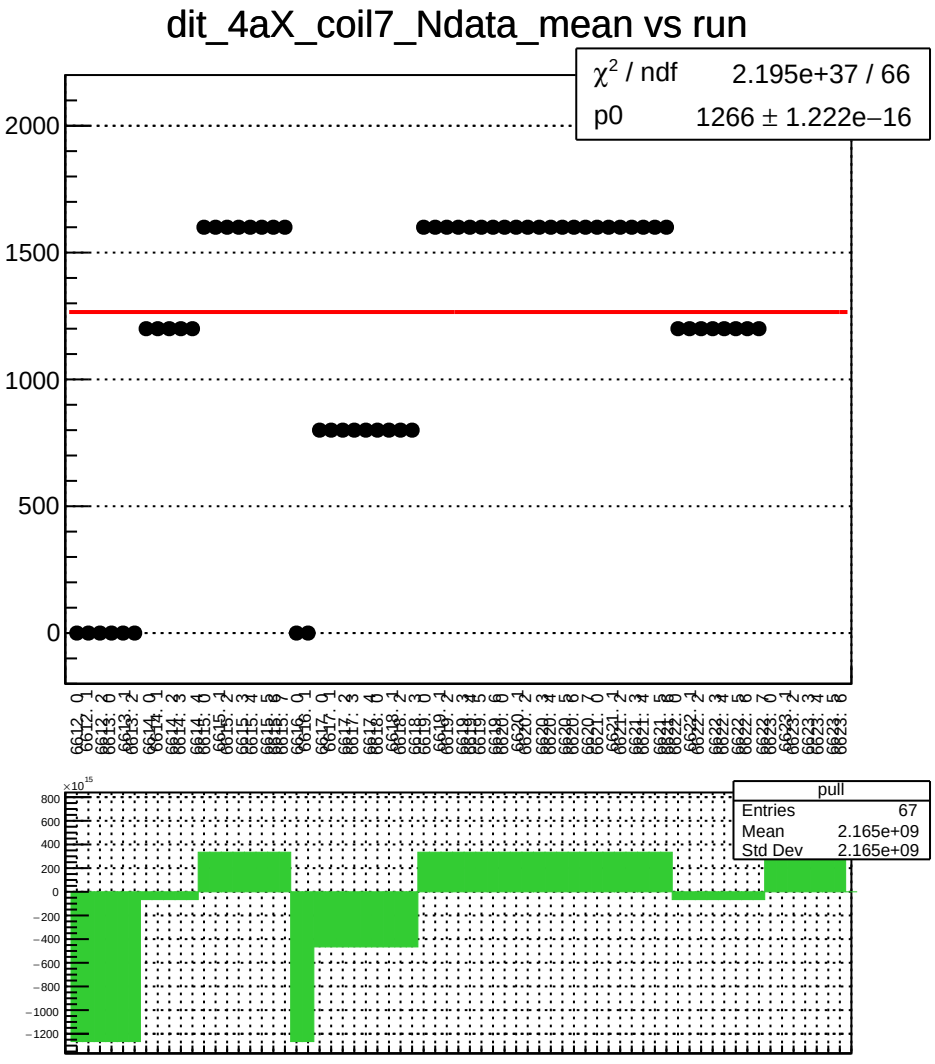

pull1D
Entries 67
Mean 0
Std Dev 0

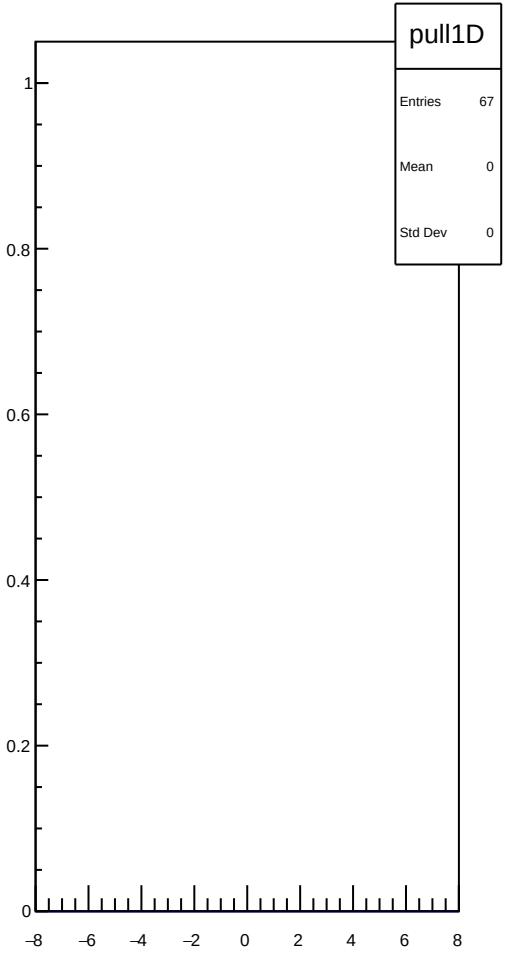

dit_4aX_coil7_mean vs run
χ² / ndf 3.468e+33 / 66
p0 16.59 ± 1.222e−16
pull
Entries 67
Mean 7.382e+09
Std Dev 7.382e+09

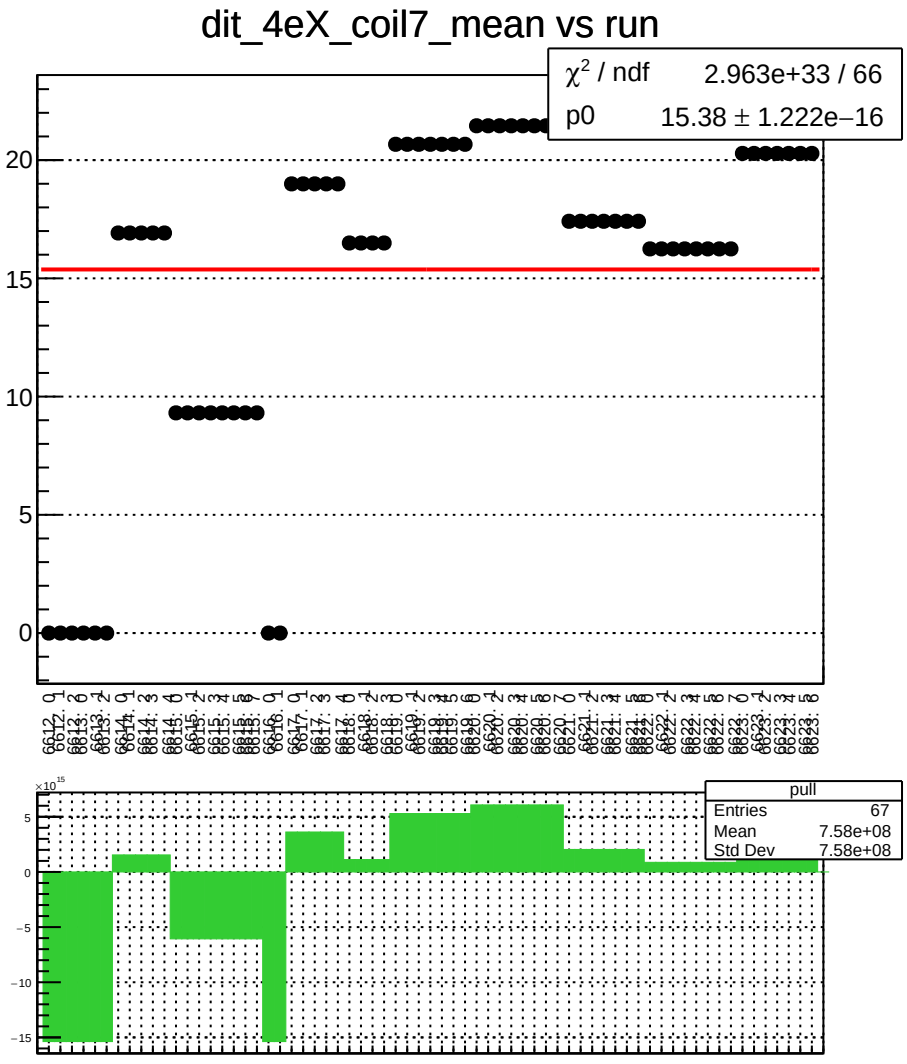

pull1D
Entries 67
Mean 0
Std Dev 0

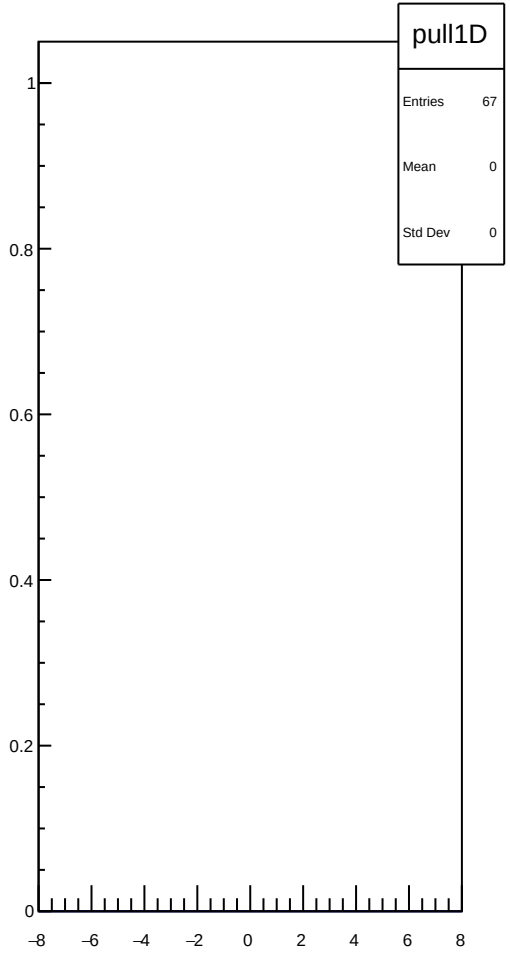

dit_4aX_coil7_err_mean vs run
χ^2 / ndf 9.053e+32 / 66
p0 7.839 ± 1.222e−16
pull
Entries 67
Mean 1.005e+09
Std Dev 1.005e+09


pull1D
Entries 67
Mean 0
Std Dev 0

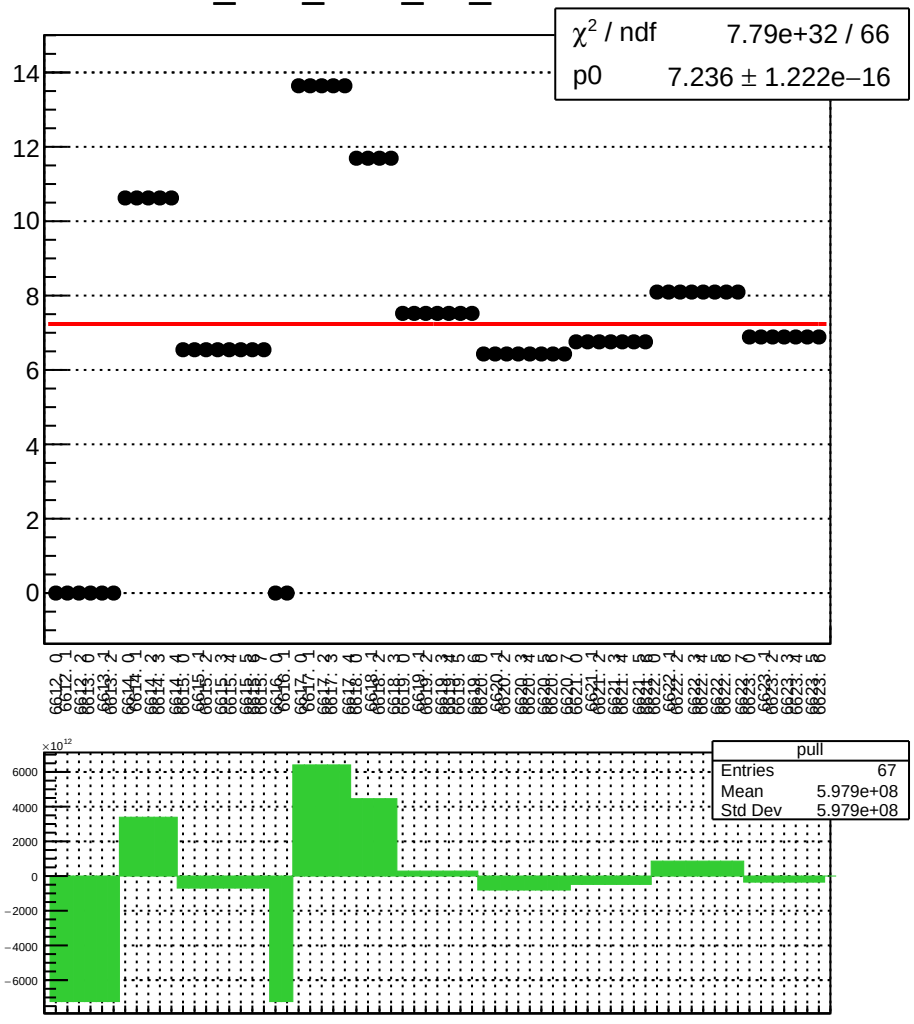

dit_4aX_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

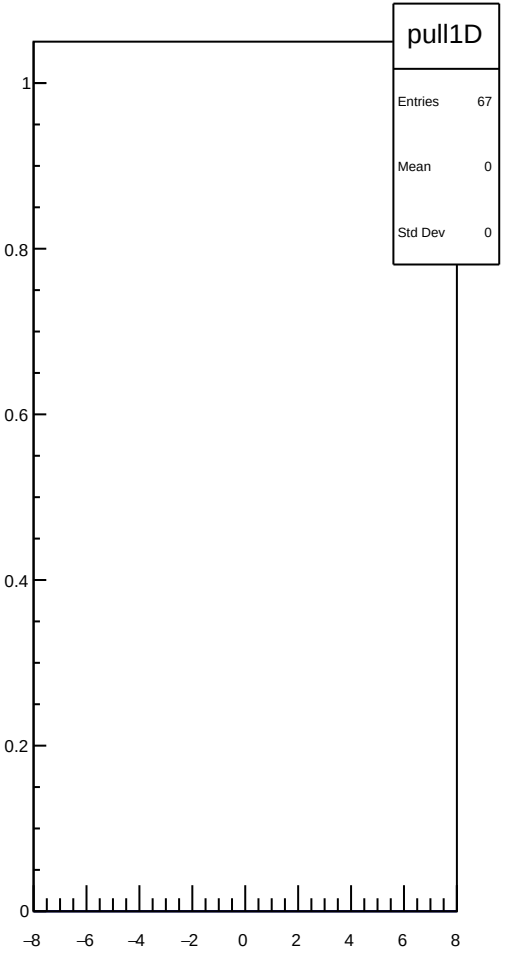

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_4eX_coil7_mean vs run
χ^2 / ndf 2.963e+33 / 66
p0 15.38 ± 1.222e−16
pull
Entries 67
Mean 7.58e+08
Std Dev 7.58e+08

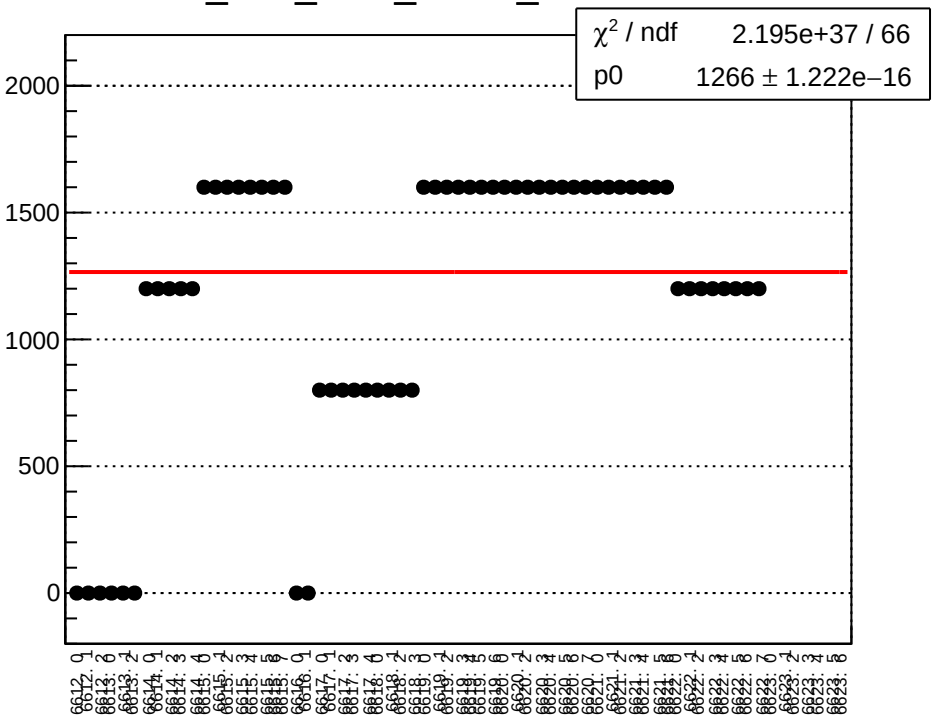

pull1D
Entries 67
Mean 0
Std Dev 0

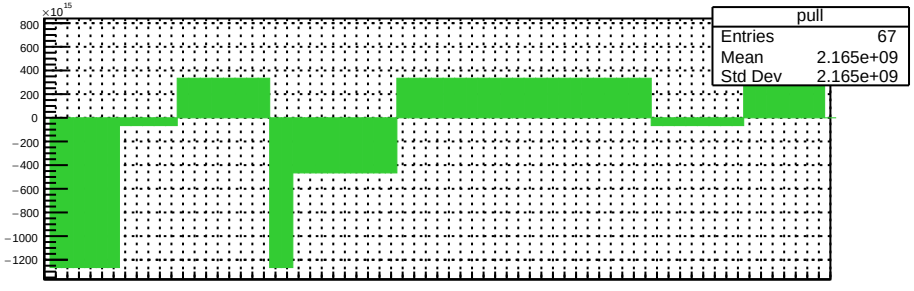
dit_4eX_coil7_err_mean vs run

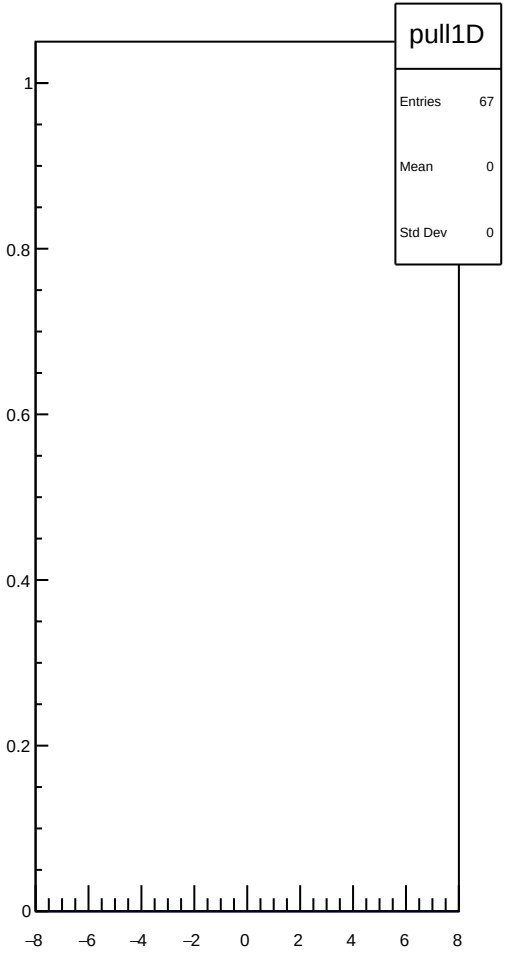




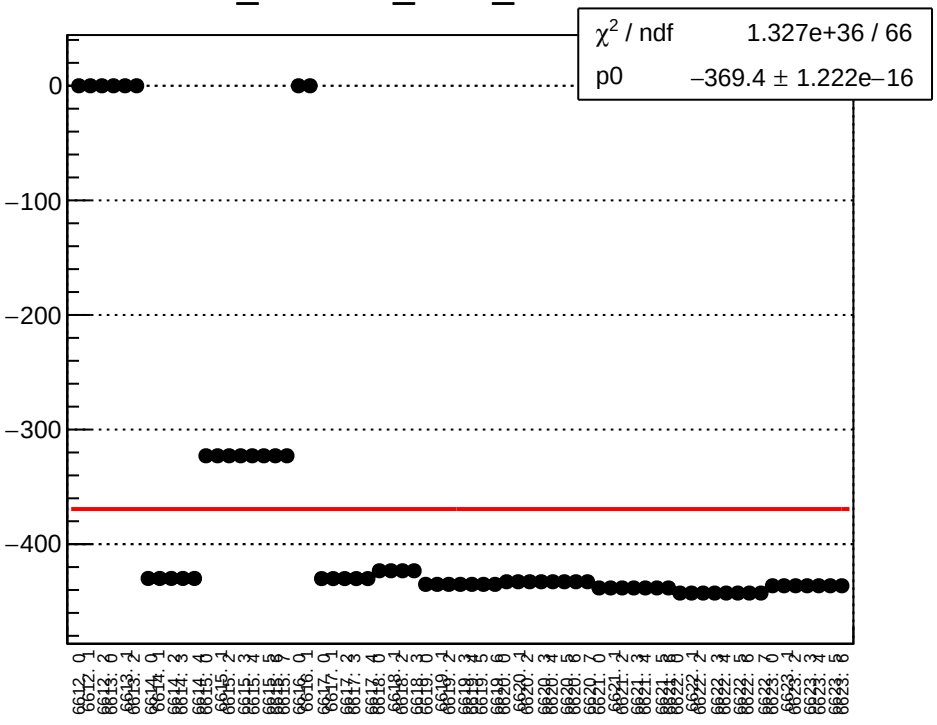
dit_4eX_coil7_Ndata_mean vs run

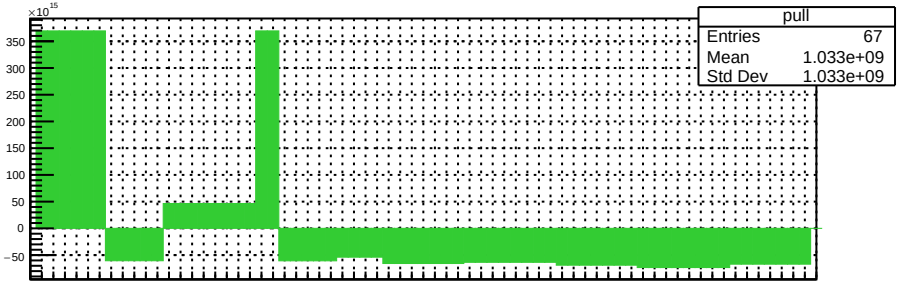


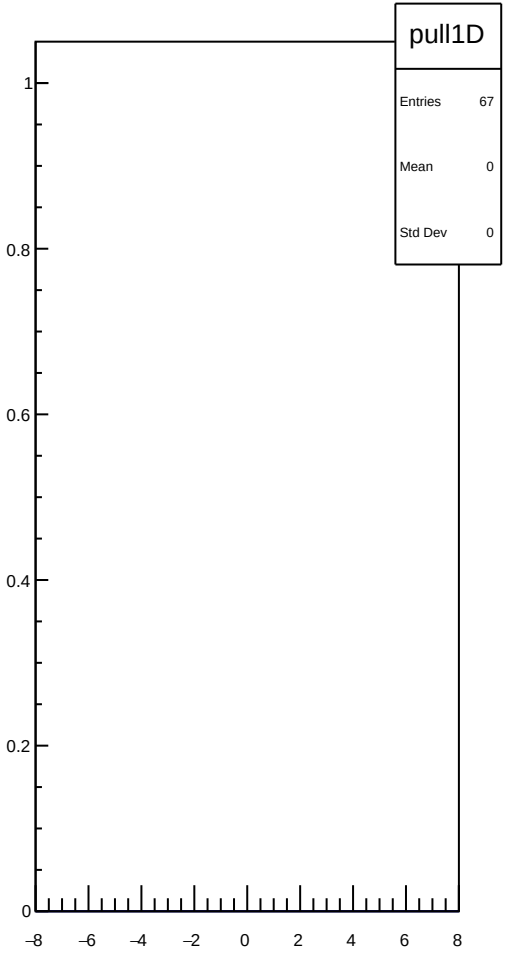




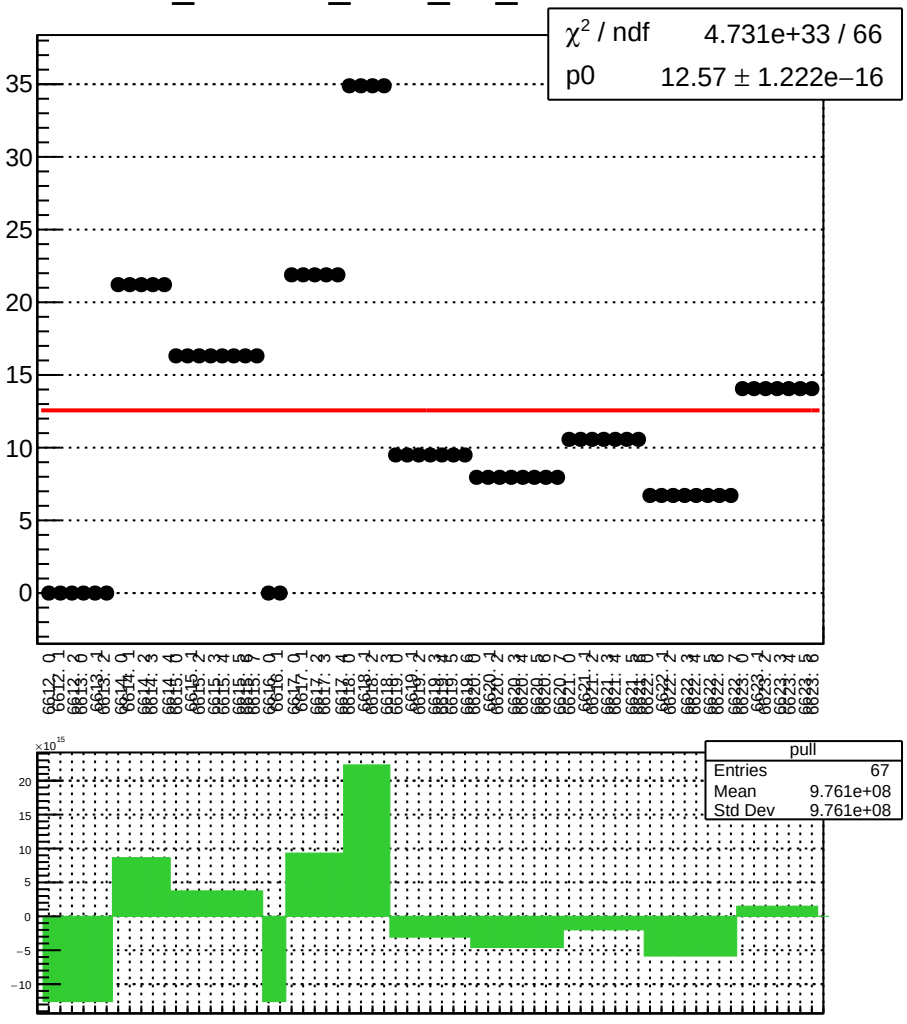
dit_11X12X_coil7_mean vs run

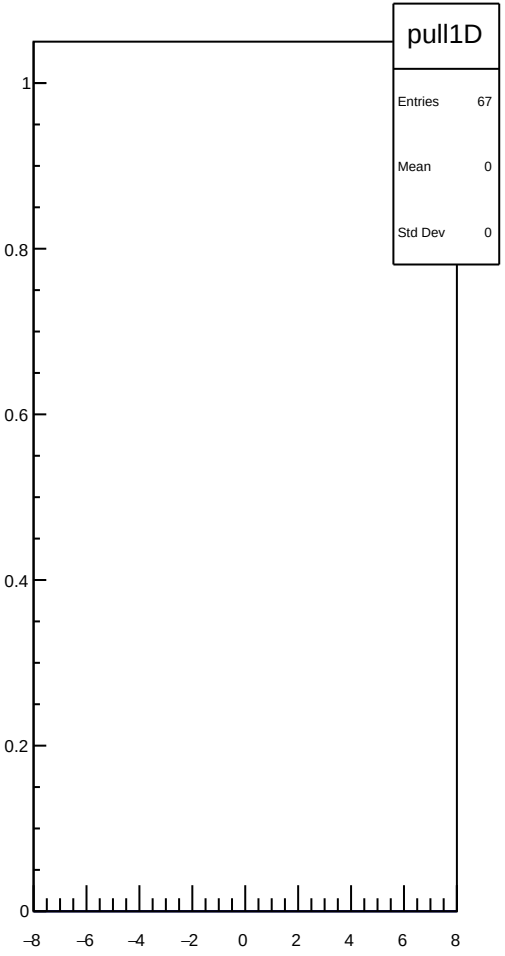




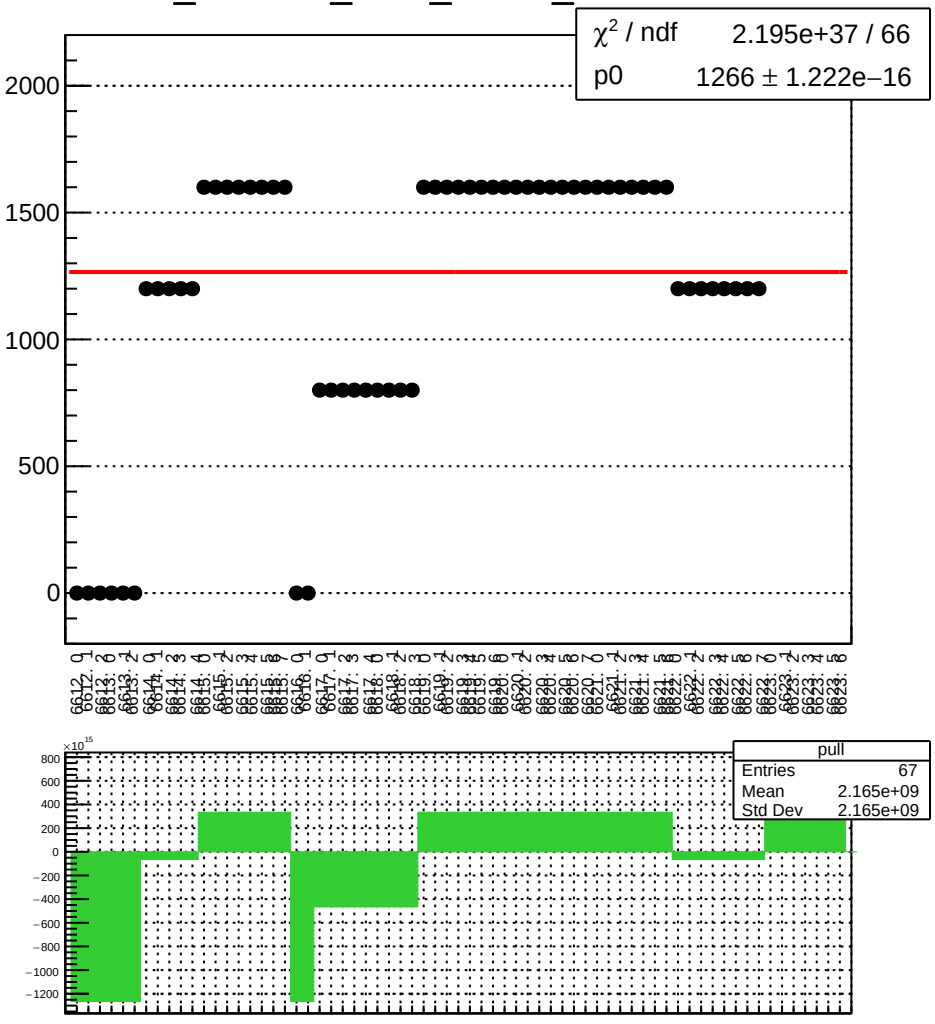


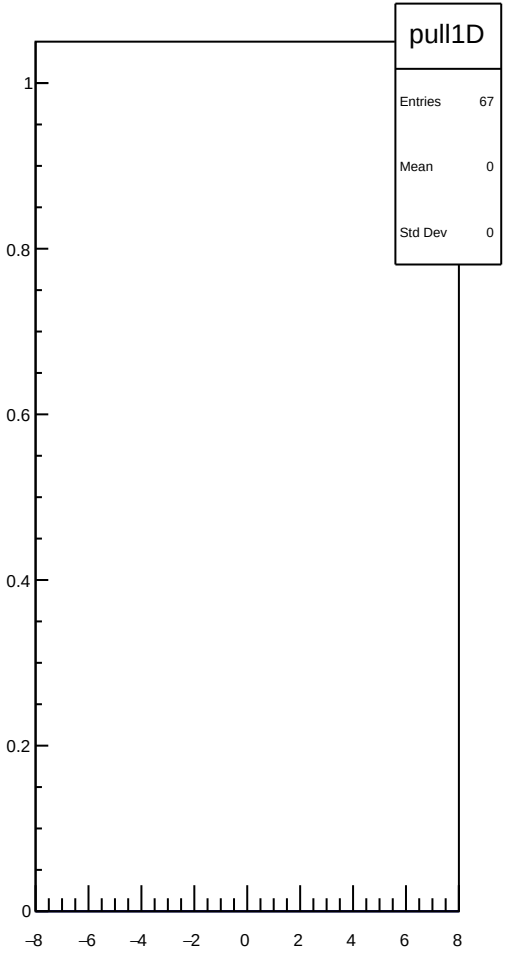
dit_11X12X_coil7_err_mean vs run

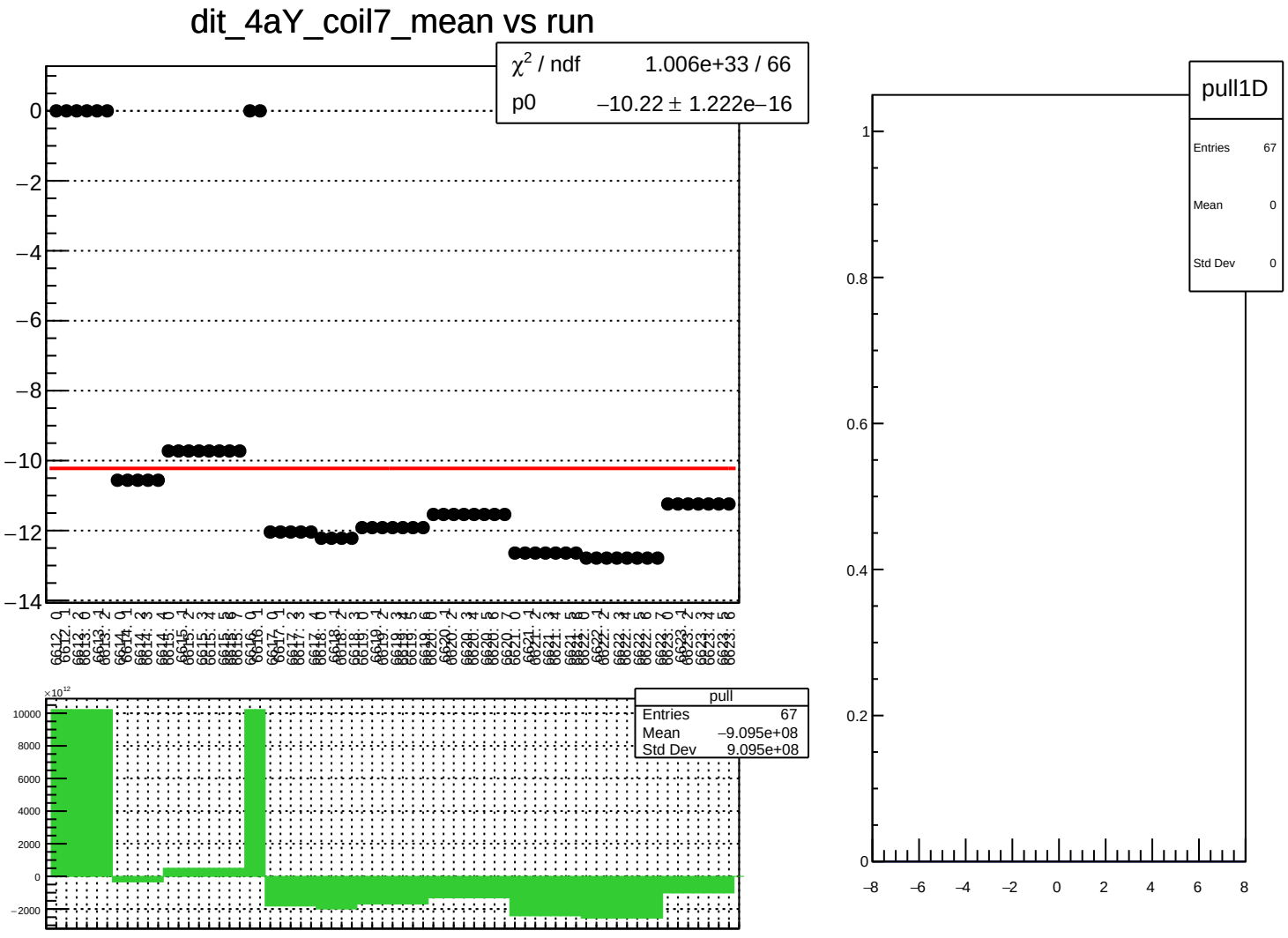


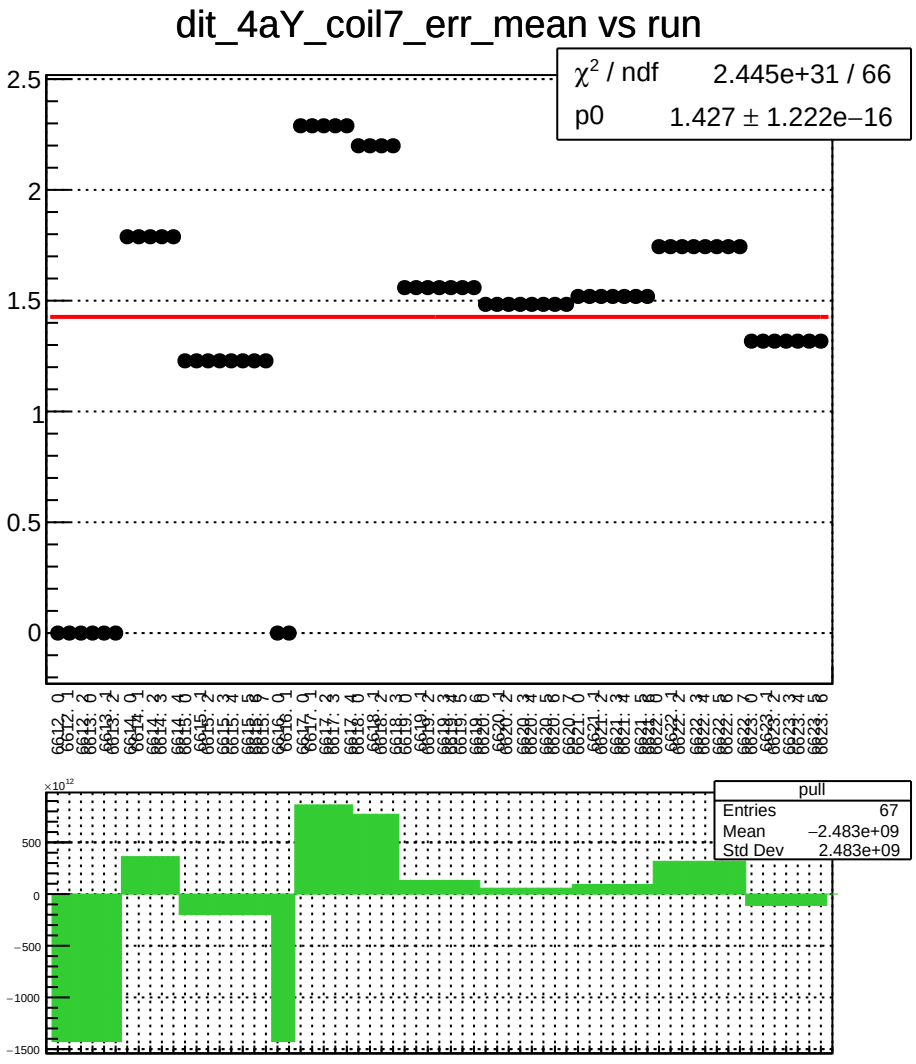


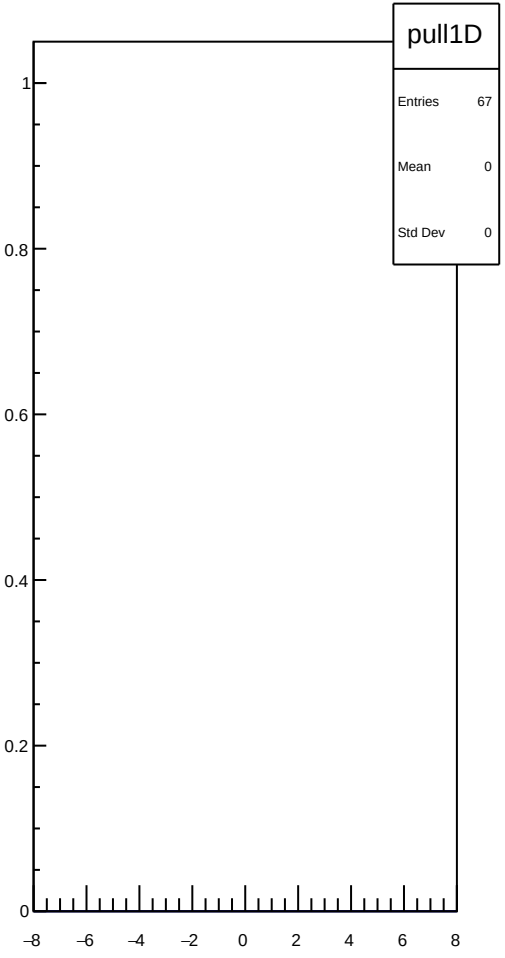
dit_11X12X_coil7_Ndata_mean vs run



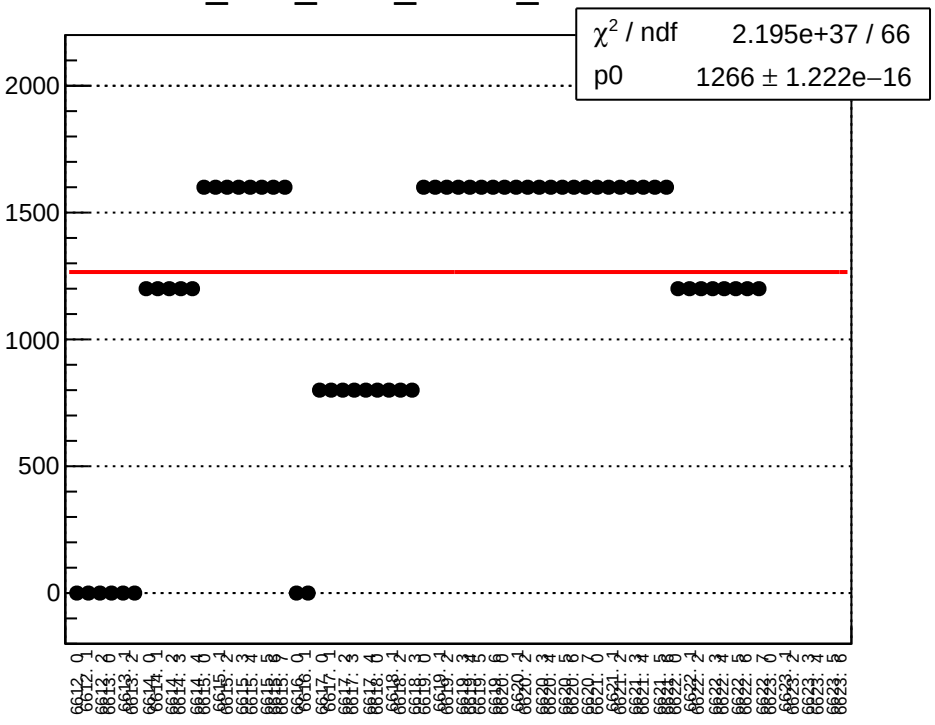


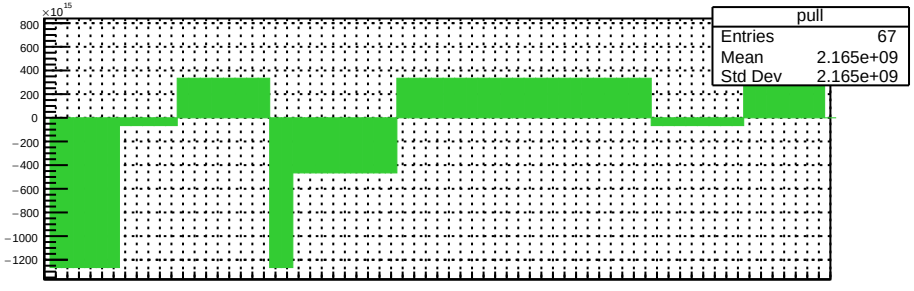

dit_4aY_coil7_mean vs run
χ² / ndf 1.006e+33 / 66
p0 −10.22 ± 1.222e−16
pull
Entries 67
Mean −9.095e+08
Std Dev 9.095e+08
pull1D
Entries 67
Mean 0
Std Dev 0

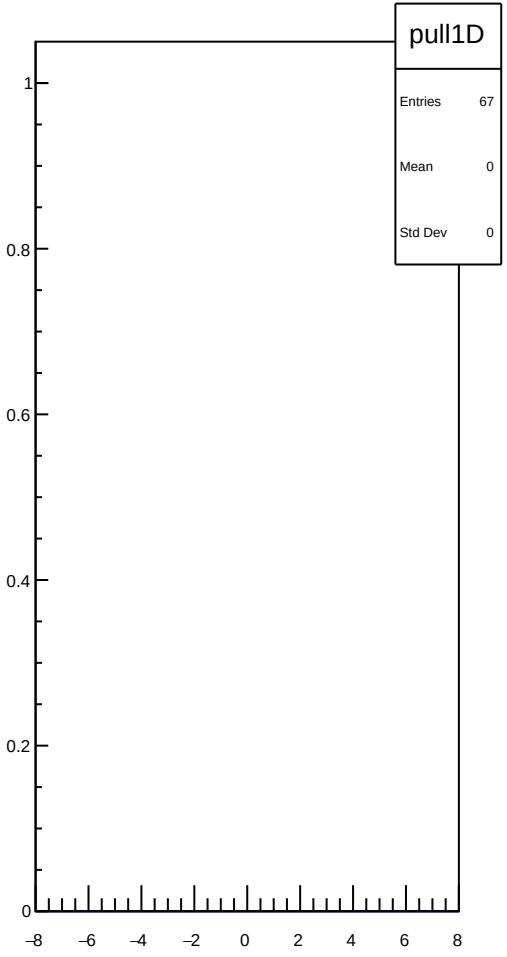

dit_4aY_coil7_err_mean vs run
χ^2 / ndf 2.445e+31 / 66
p0 1.427 ± 1.222e−16
pull
Entries 67
Mean −2.483e+09
Std Dev 2.483e+09

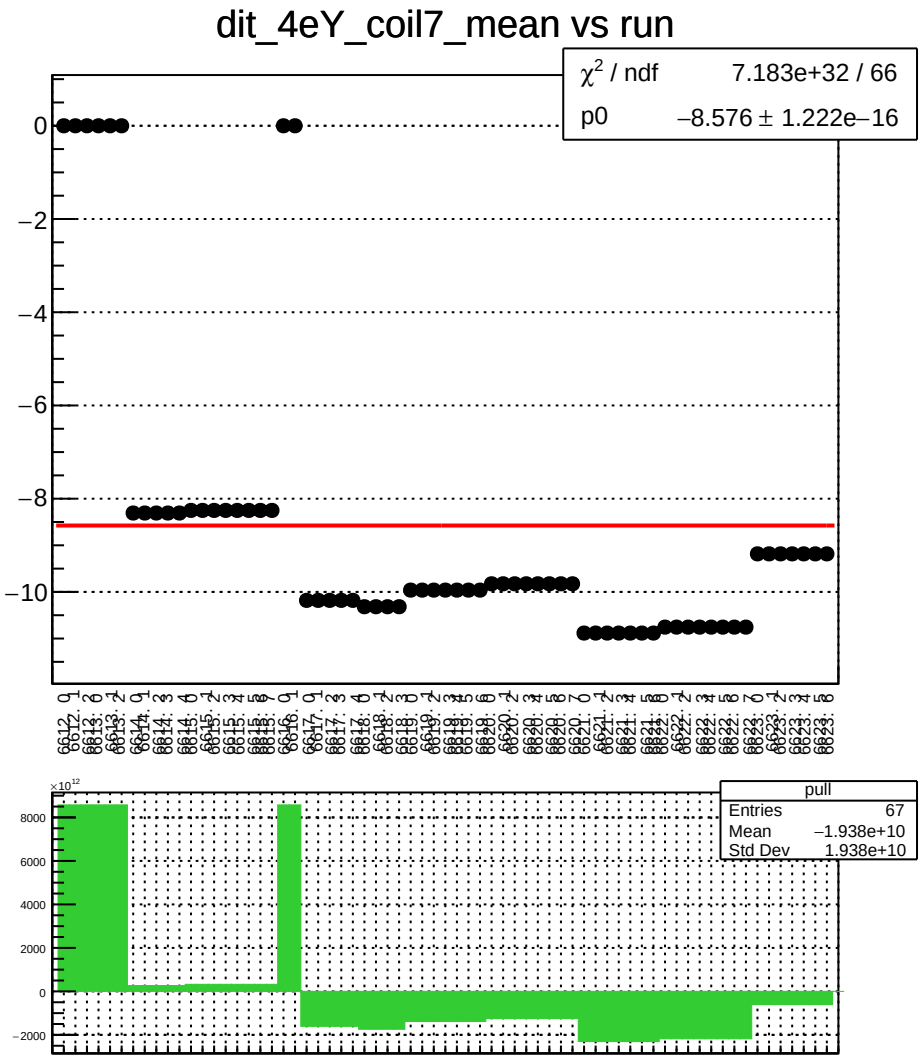

pull1D
Entries 67
Mean 0
Std Dev 0

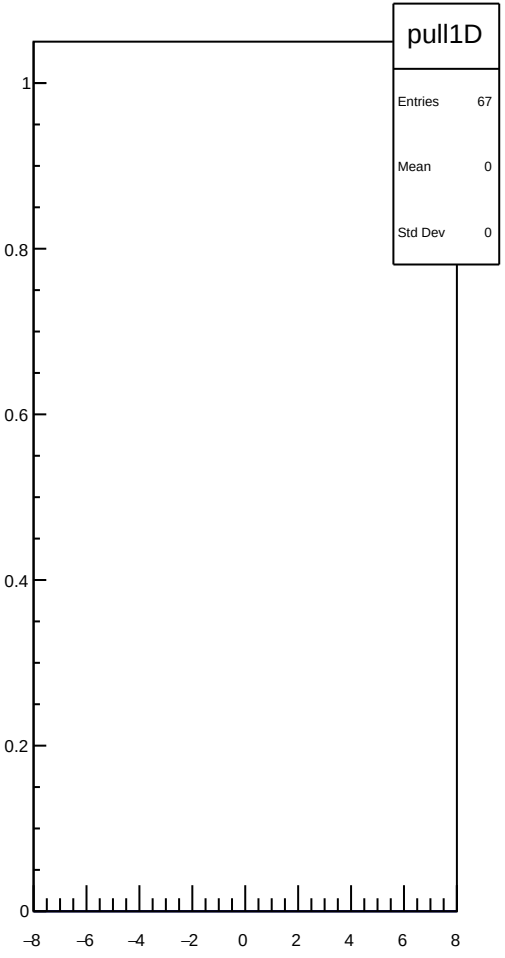
dit_4aY_coil7_Ndata_mean vs run



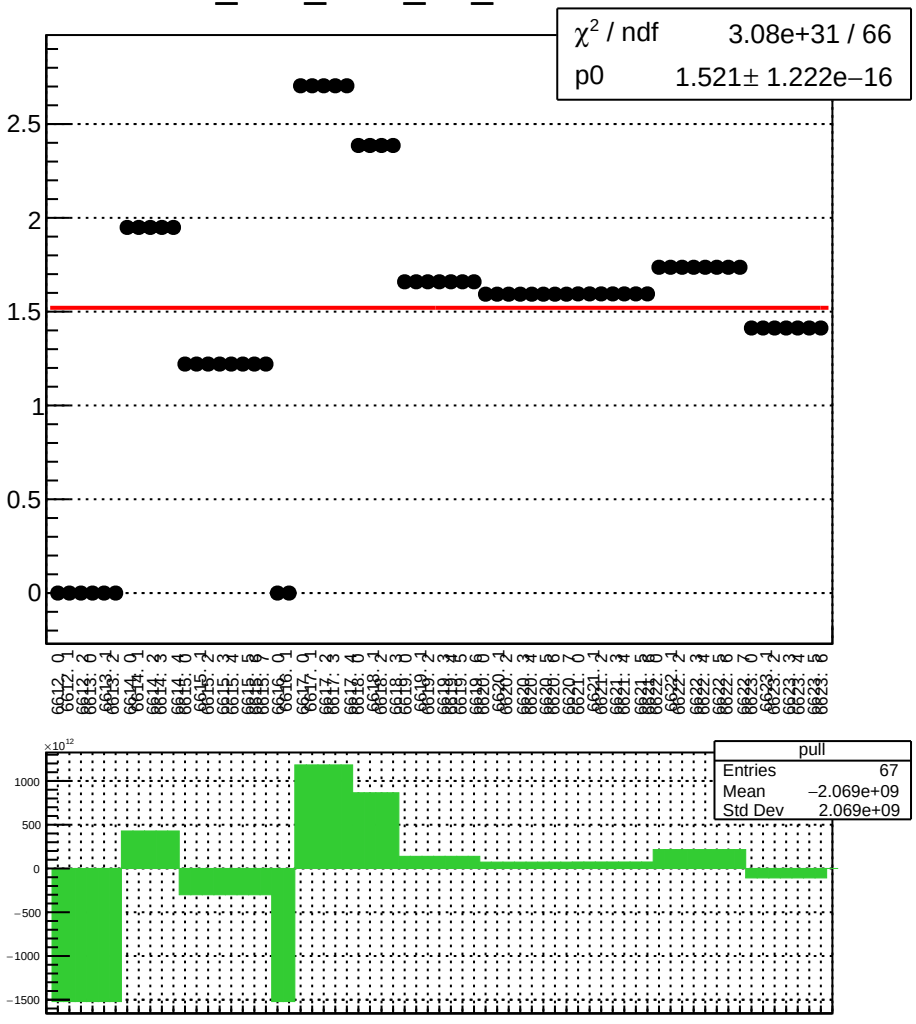


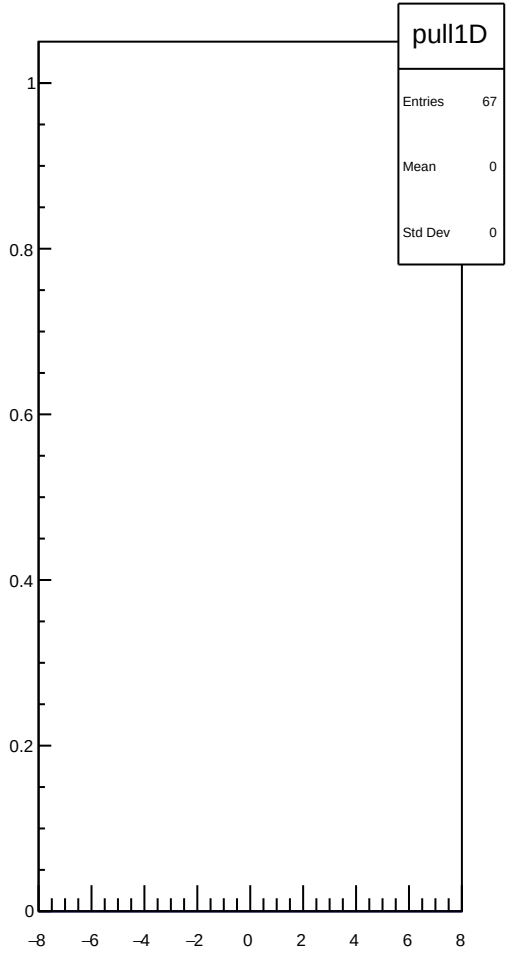


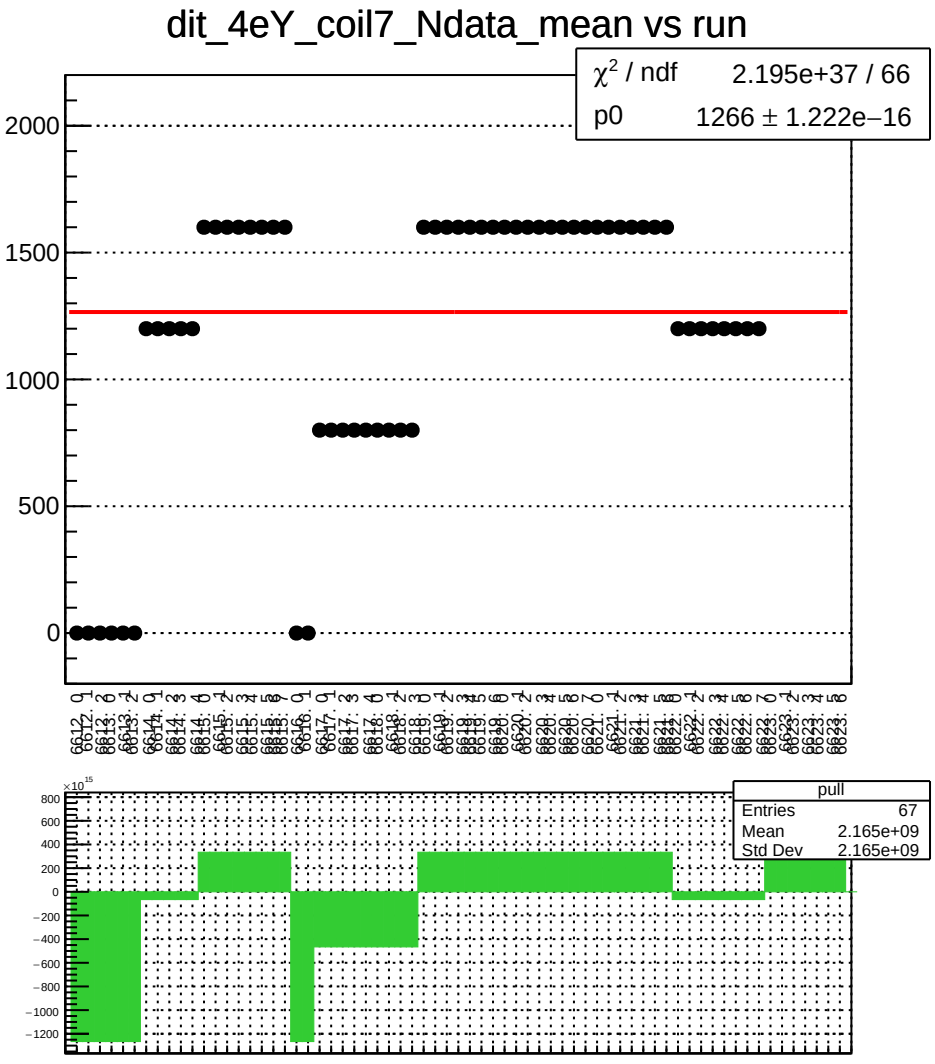

dit_4eY_coil7_mean vs run
χ² / ndf 7.183e+32 / 66
p0 −8.576 ± 1.222e−16
pull
Entries 67
Mean −1.938e+10
Std Dev 1.938e+10

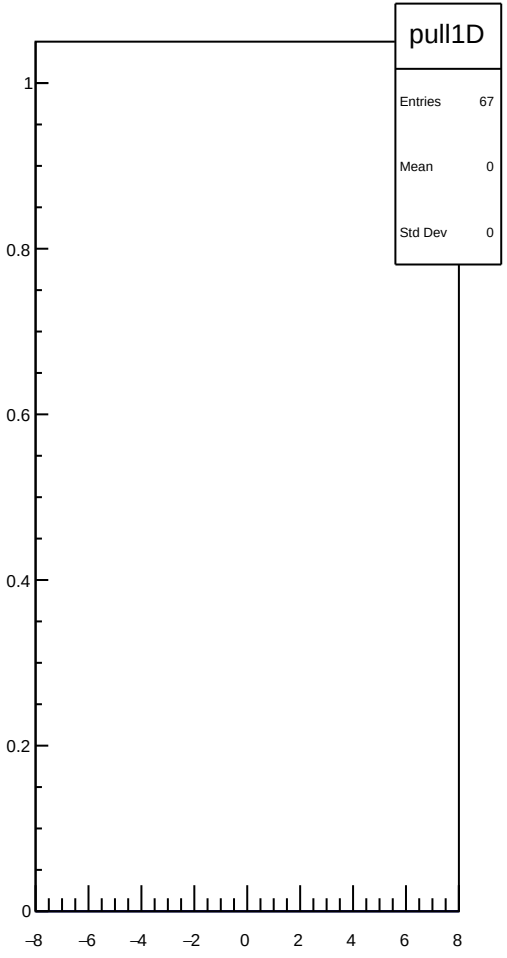

pull1D
Entries 67
Mean 0
Std Dev 0

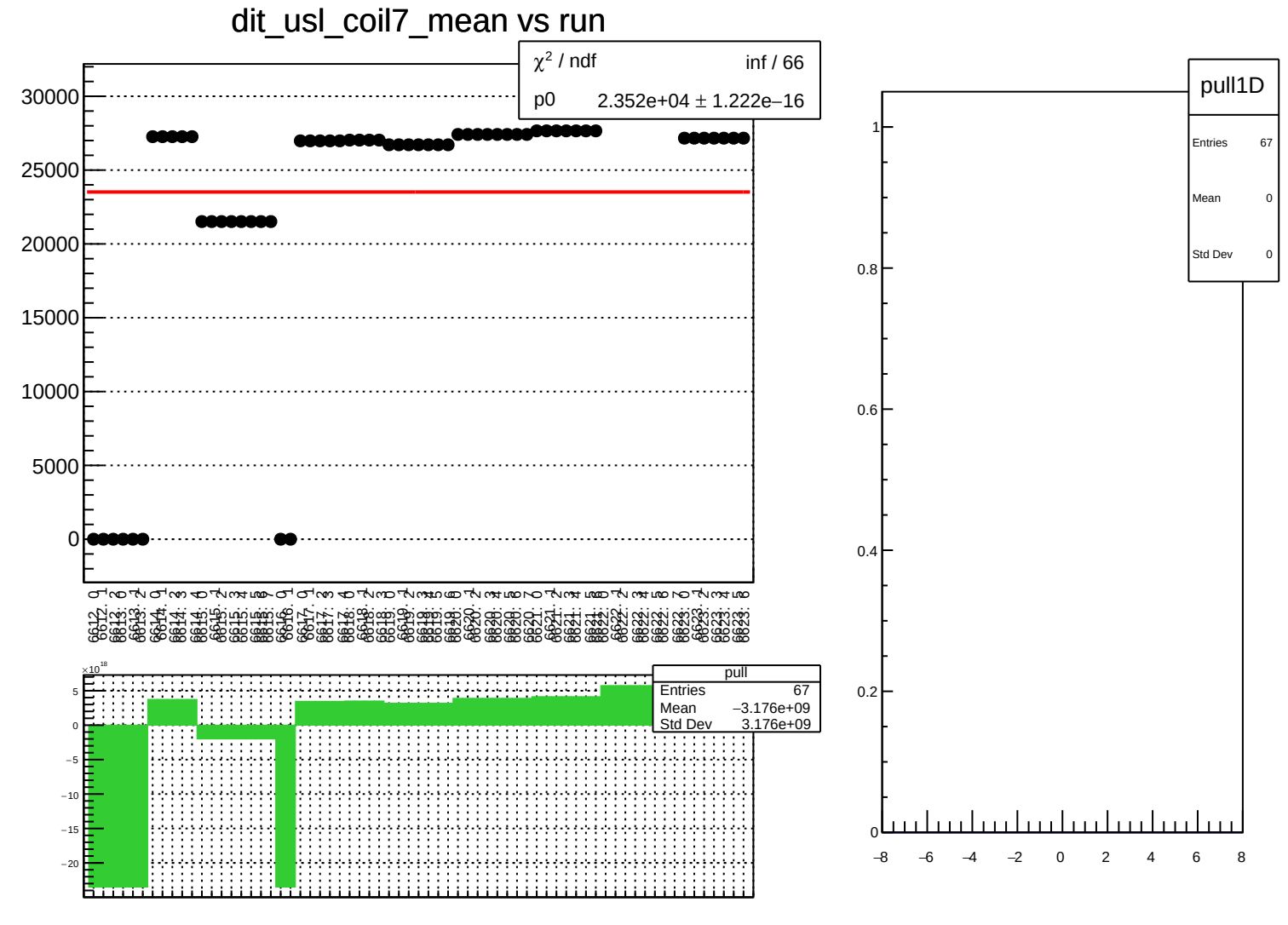
dit_4eY_coil7_err_mean vs run

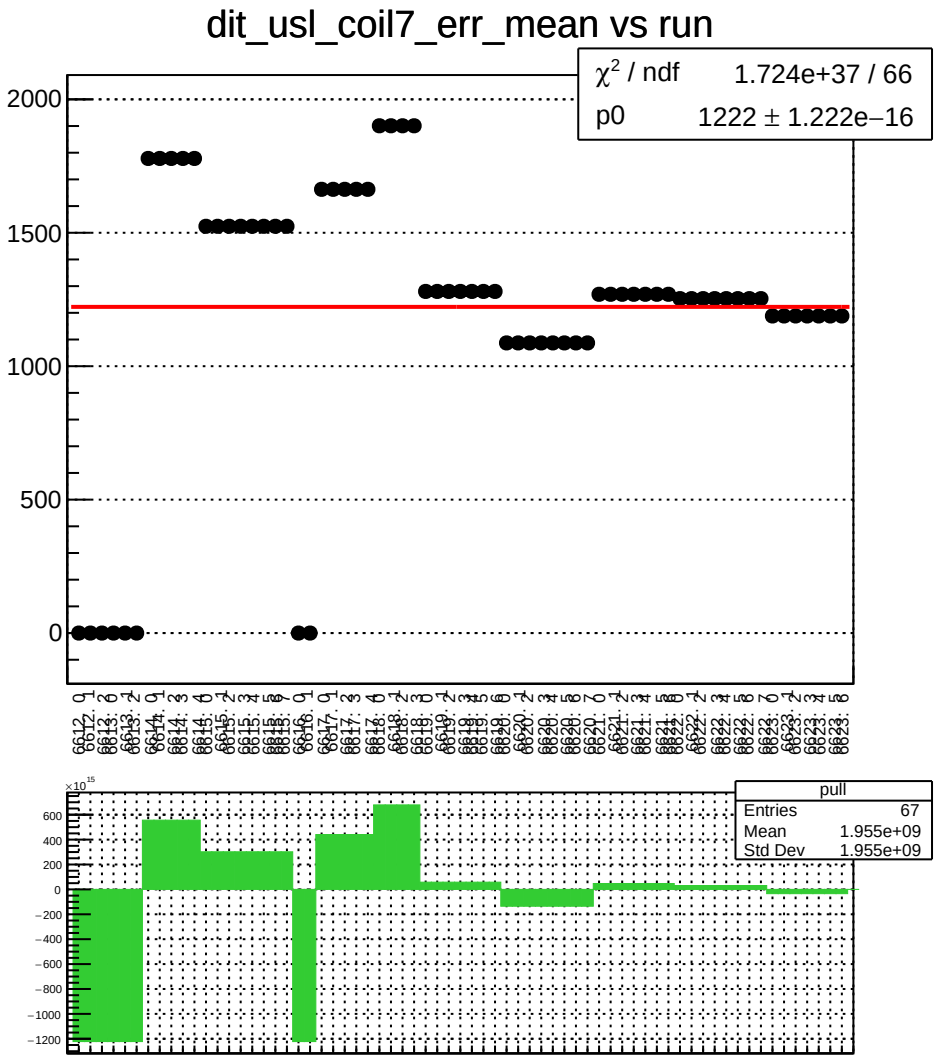


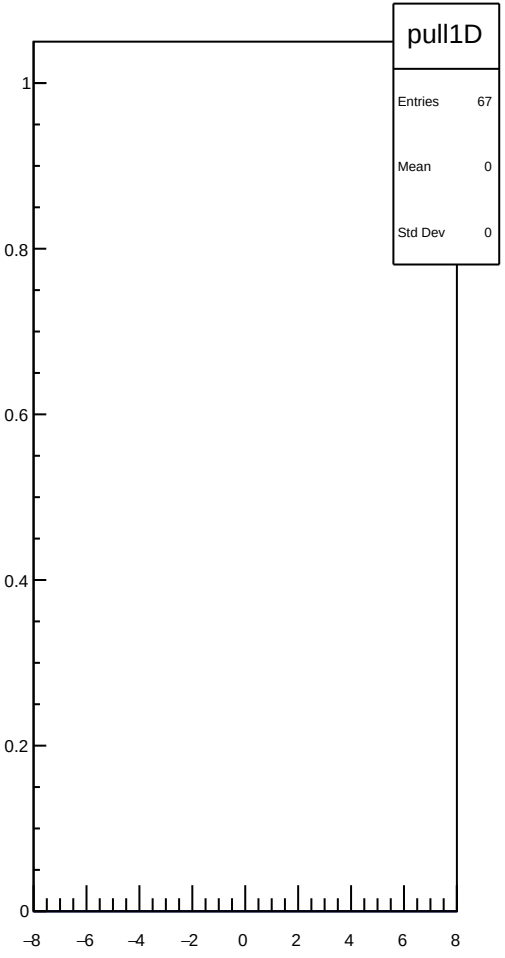


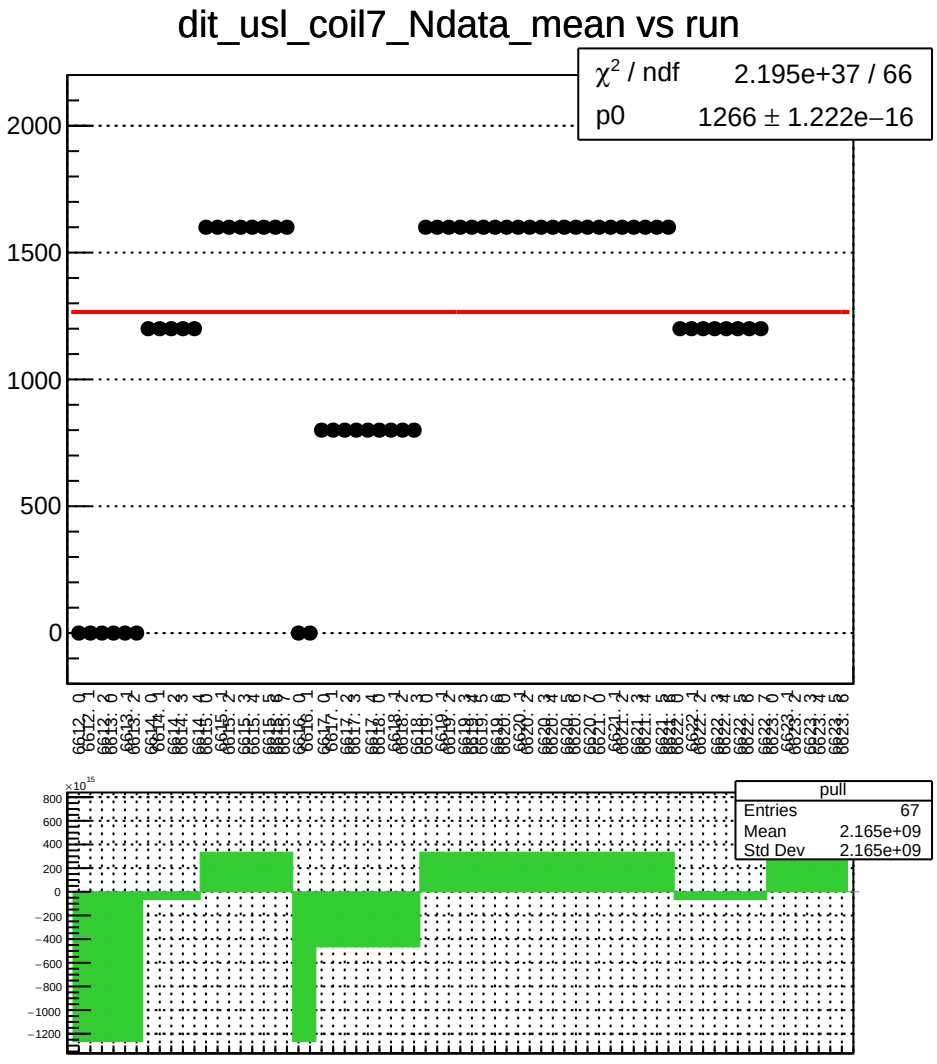

dit_4eY_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

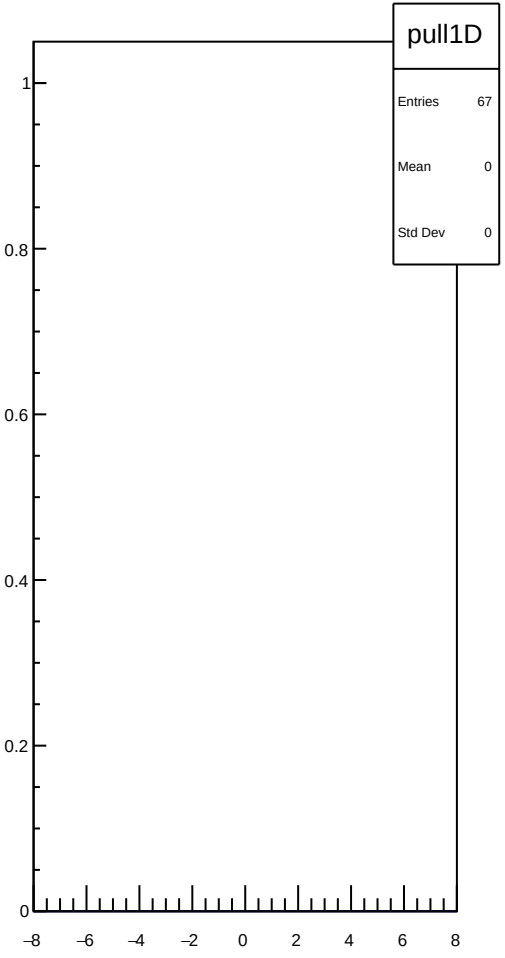

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

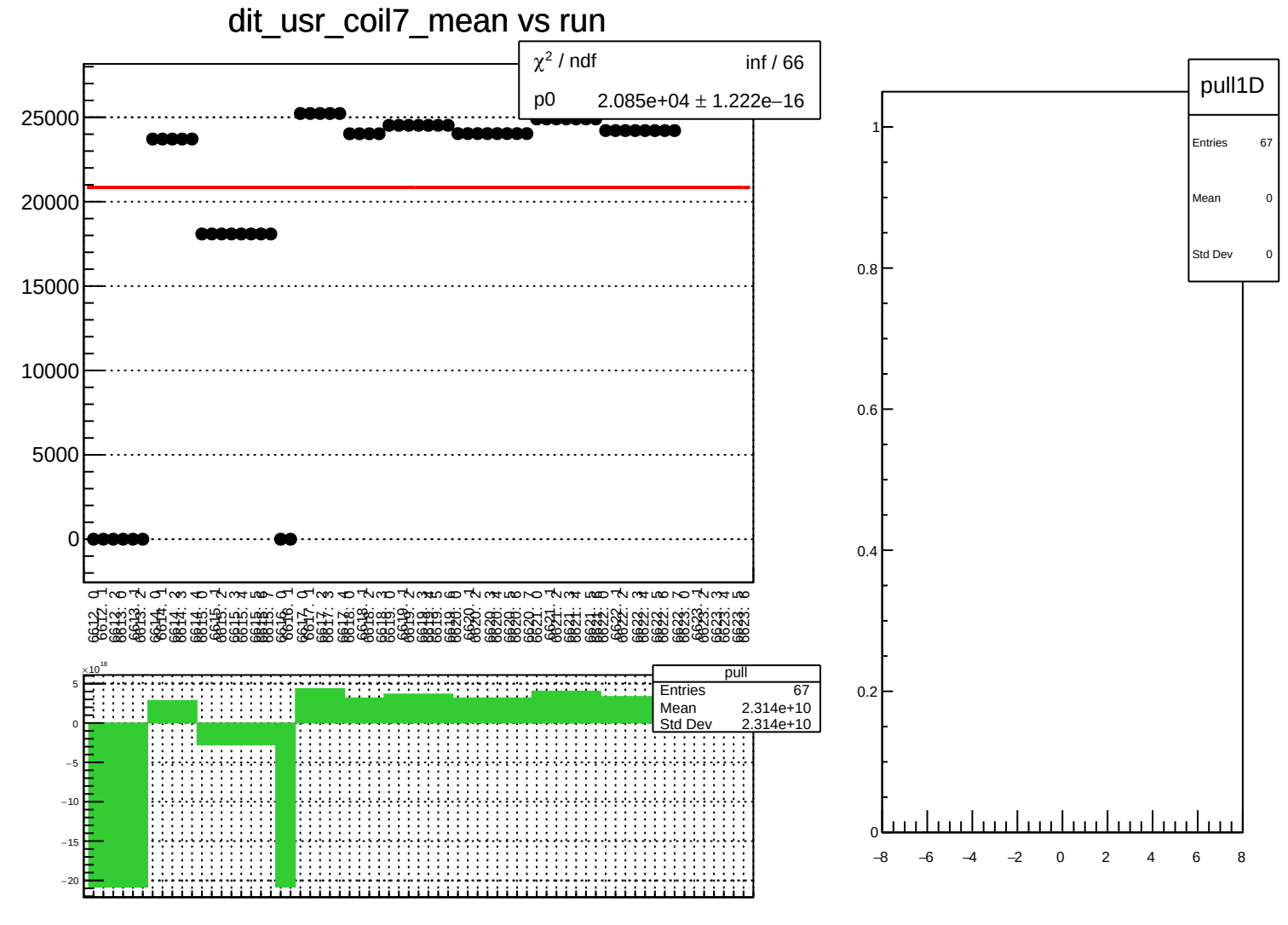

dit_usl_coil7_mean vs run
χ² / ndf inf / 66
p0 2.352e+04 ± 1.222e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean −3.176e+09
Std Dev 3.176e+09
×10^18
5
0
−5
−10
−15
−20
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

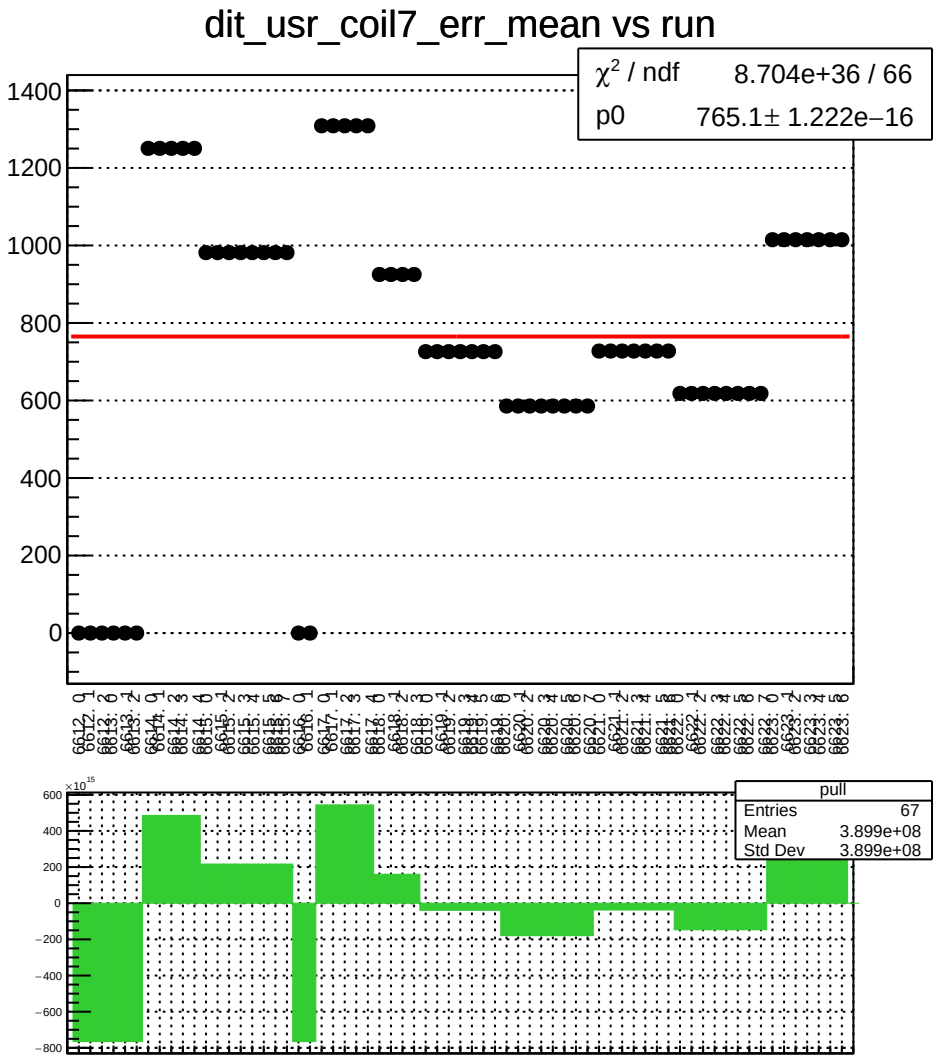

dit_usl_coil7_err_mean vs run
χ² / ndf 1.724e+37 / 66
p0 1222 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 1.955e+09
Std Dev 1.955e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

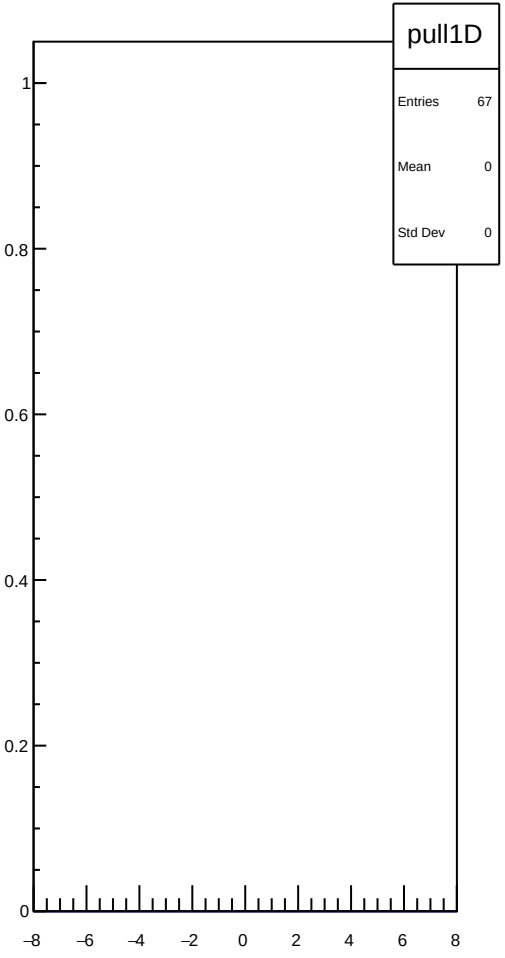

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

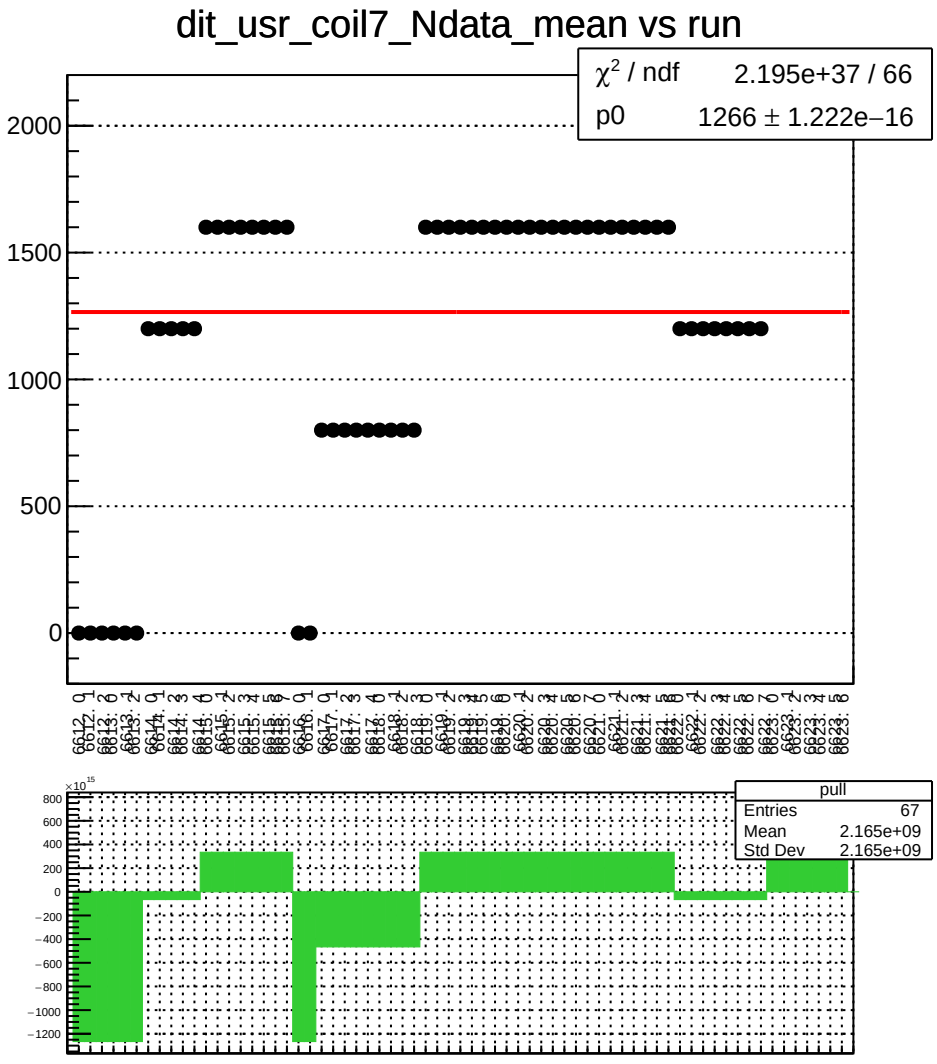

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

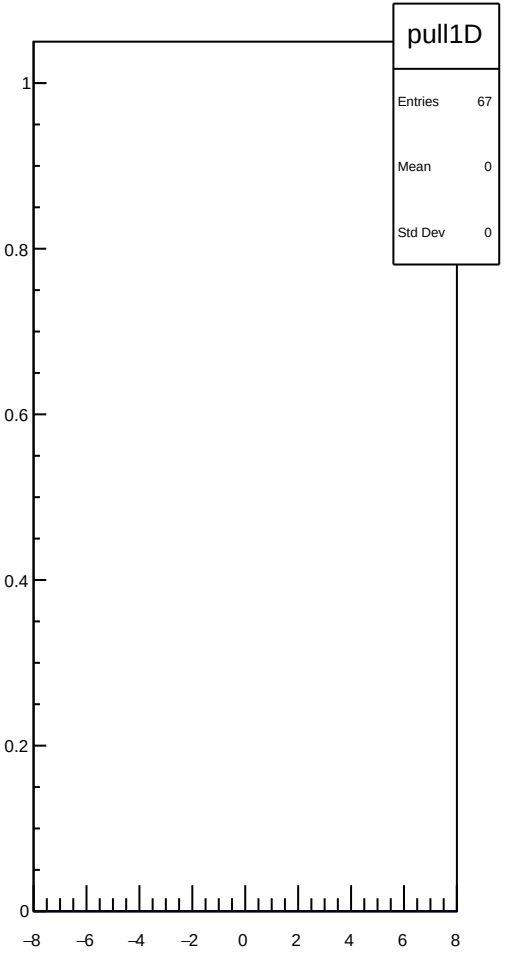

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

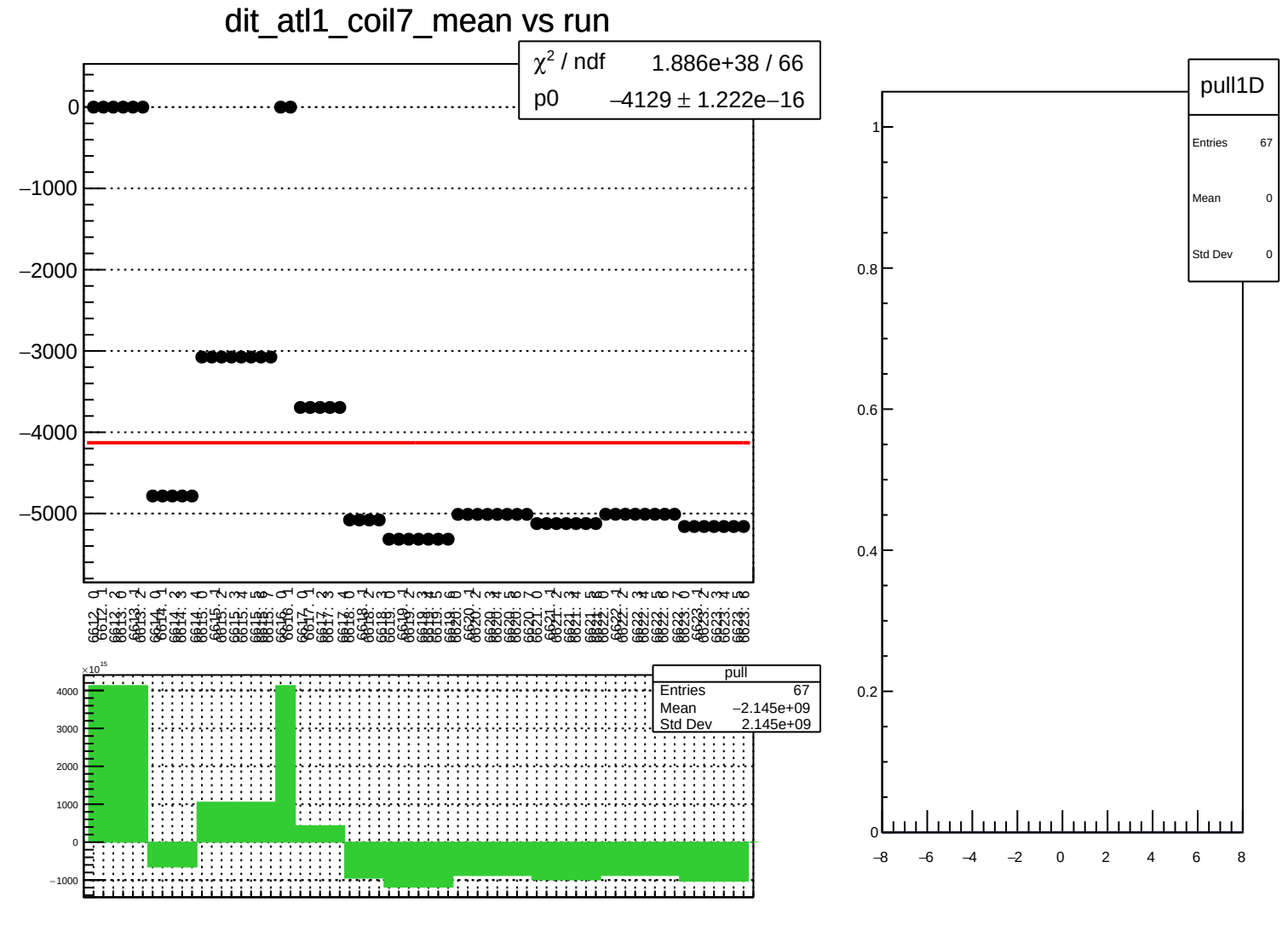

dit_usr_coil7_mean vs run
χ² / ndf inf / 66
p0 2.085e+04 ± 1.222e−16
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean 2.314e+10
Std Dev 2.314e+10
×10¹⁸
5
0
−5
−10
−15
−20
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

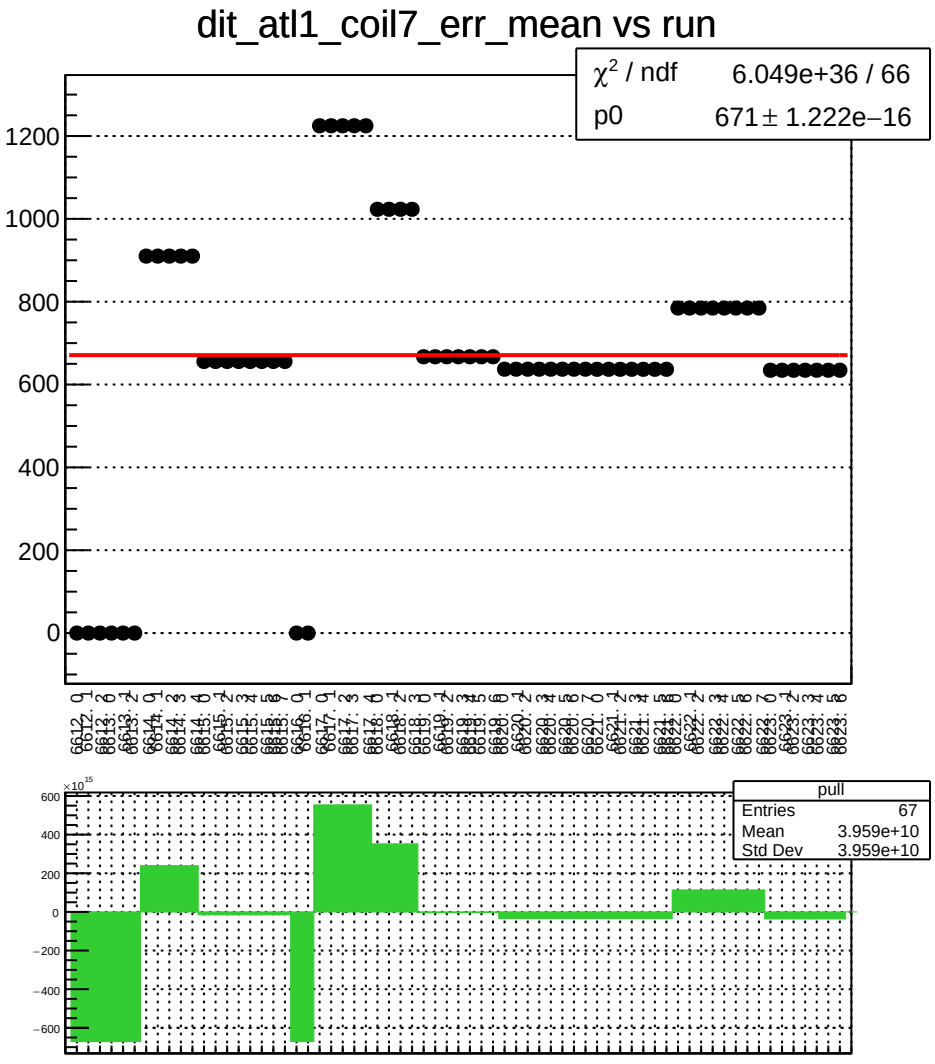

dit_usr_coil7_err_mean vs run
χ² / ndf 8.704e+36 / 66
p0 765.1± 1.222e−16
pull
Entries 67
Mean 3.899e+08
Std Dev 3.899e+08

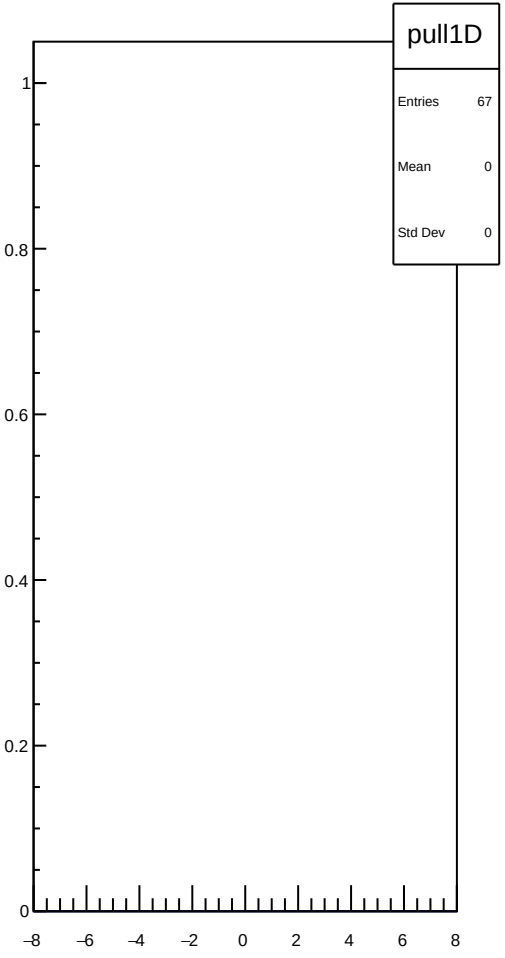

pull1D
Entries 67
Mean 0
Std Dev 0


dit_usr_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

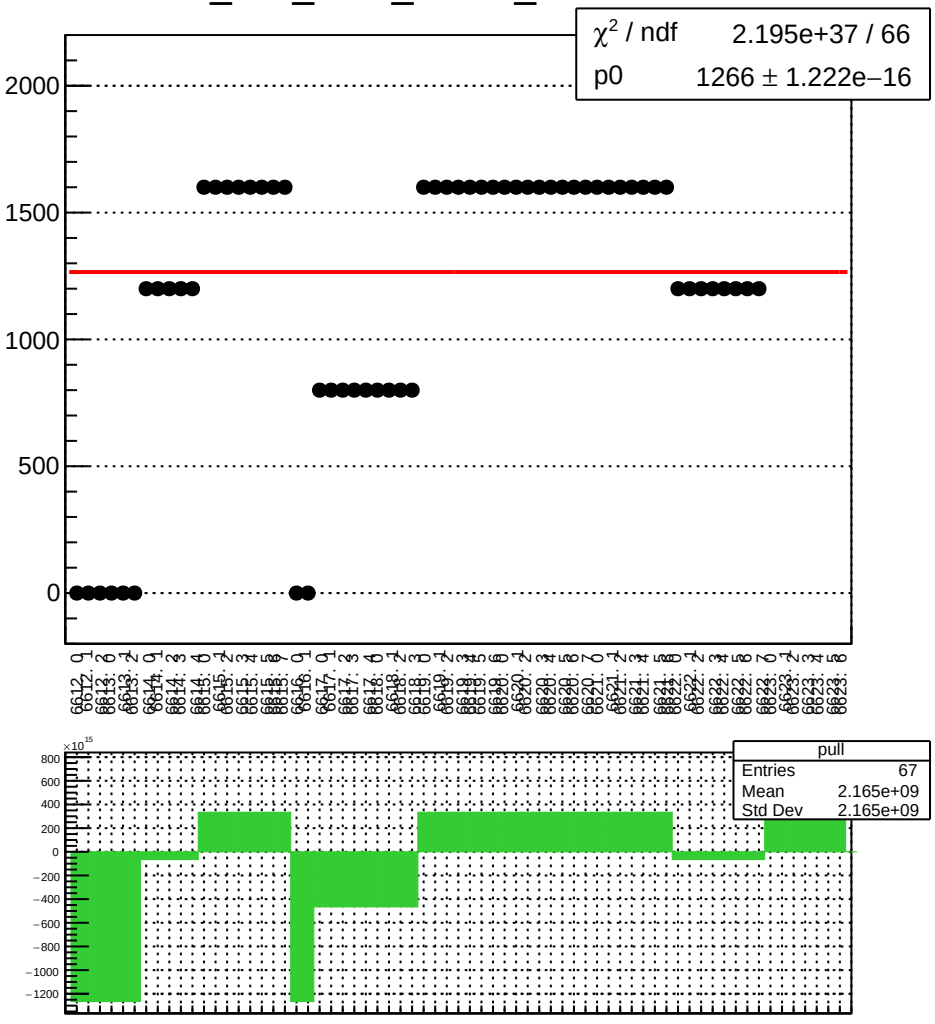

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

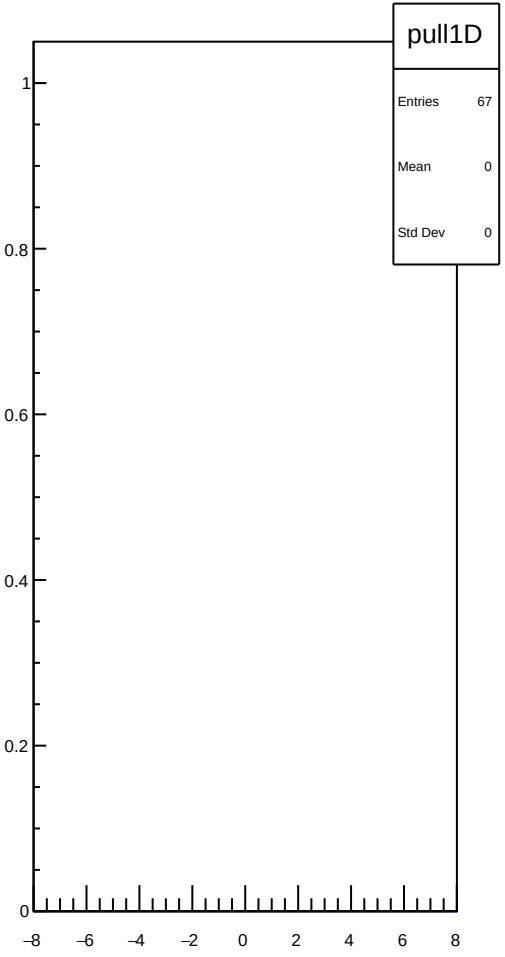

dit_atl1_coil7_mean vs run
χ² / ndf 1.886e+38 / 66
p0 −4129 ± 1.222e−16
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 67
Mean −2.145e+09
Std Dev 2.145e+09
×10¹⁵
4000
3000
2000
1000
0
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

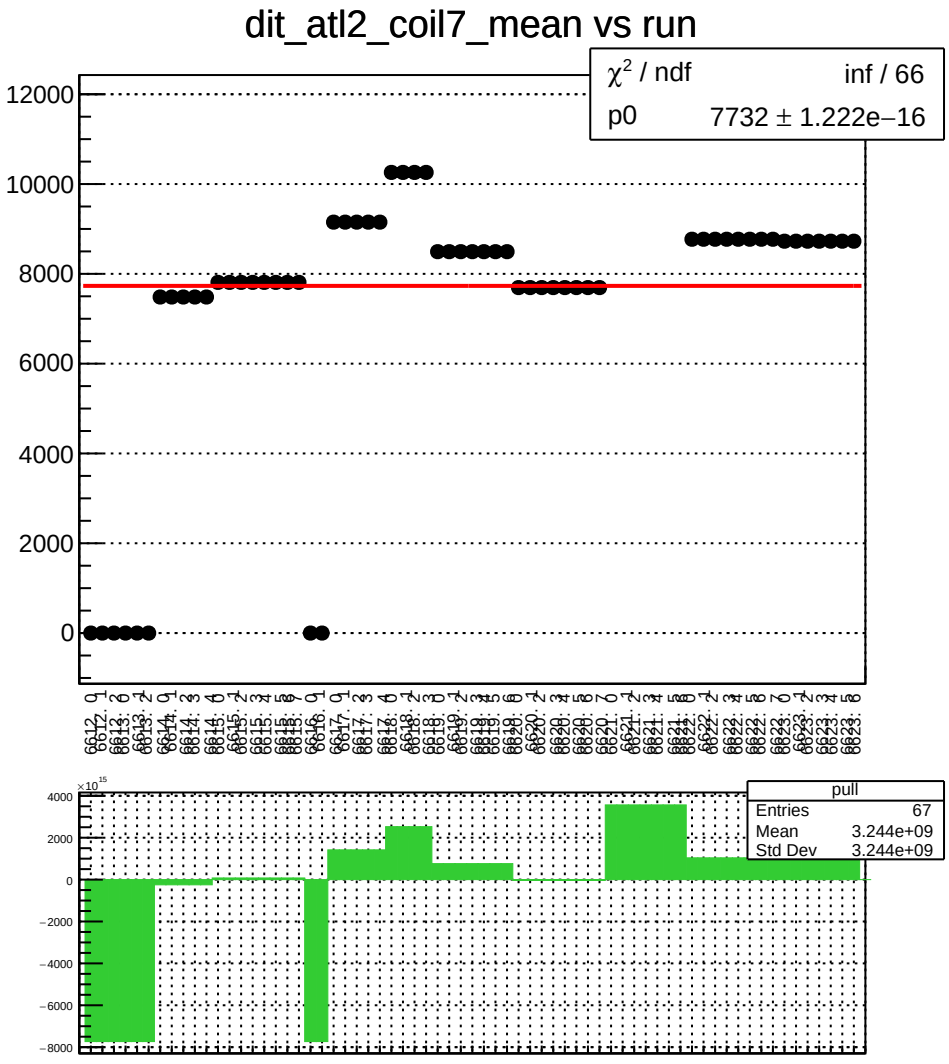

dit_atl1_coil7_err_mean vs run
χ² / ndf 6.049e+36 / 66
p0 671 ± 1.222e−16
pull
Entries 67
Mean 3.959e+10
Std Dev 3.959e+10

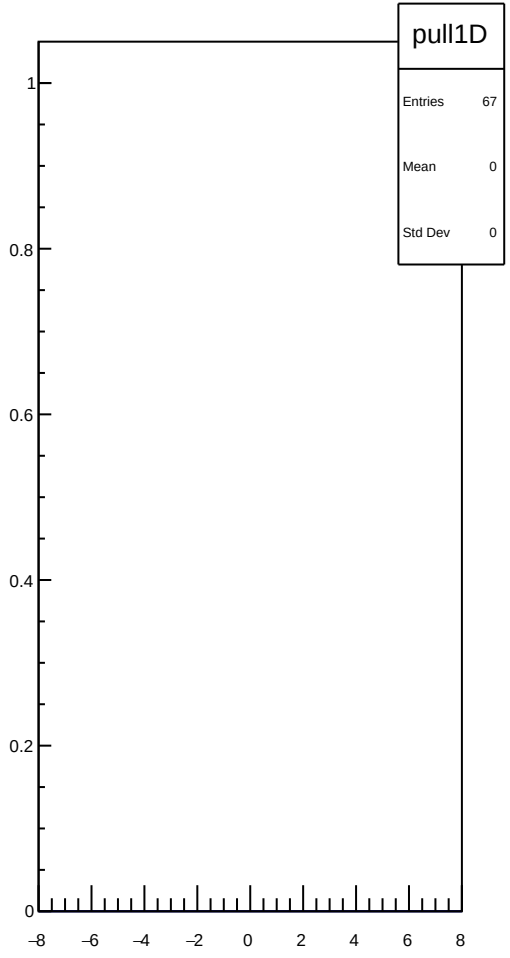

pull1D
Entries 67
Mean 0
Std Dev 0

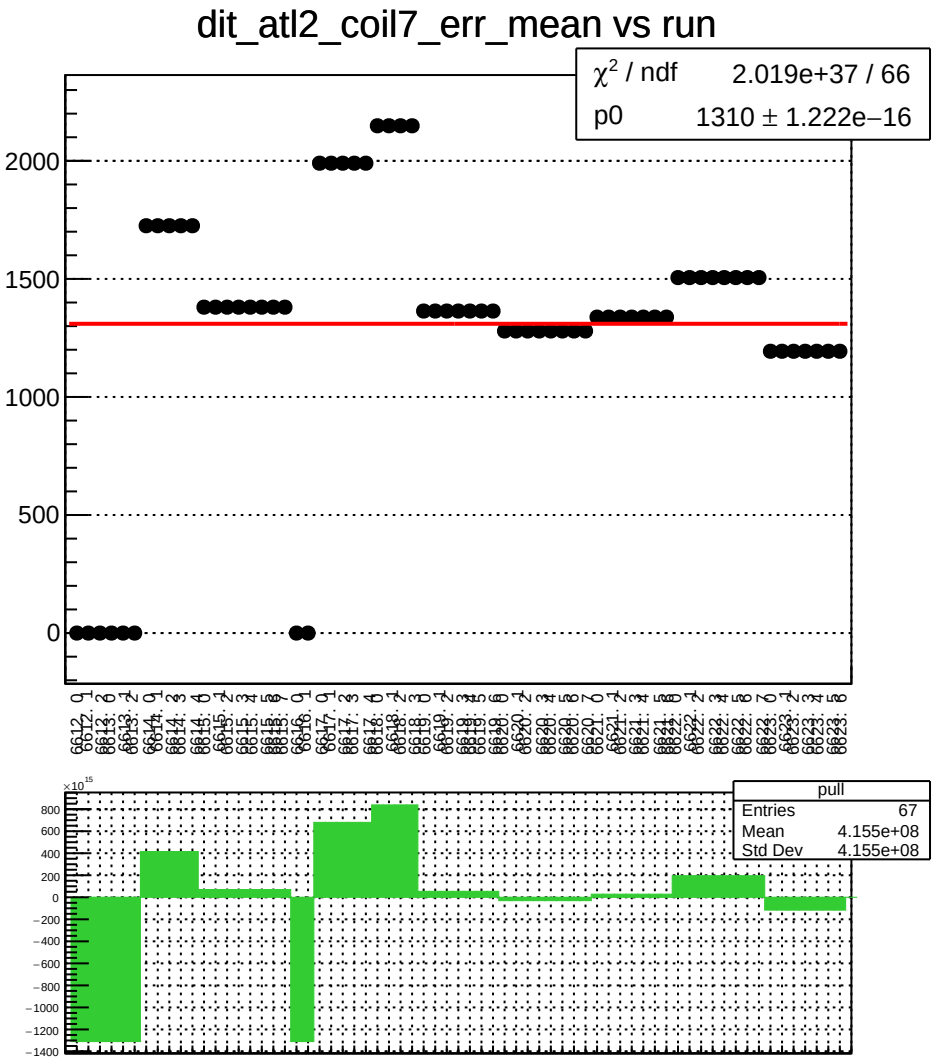
dit_atl1_coil7_Ndata_mean vs run

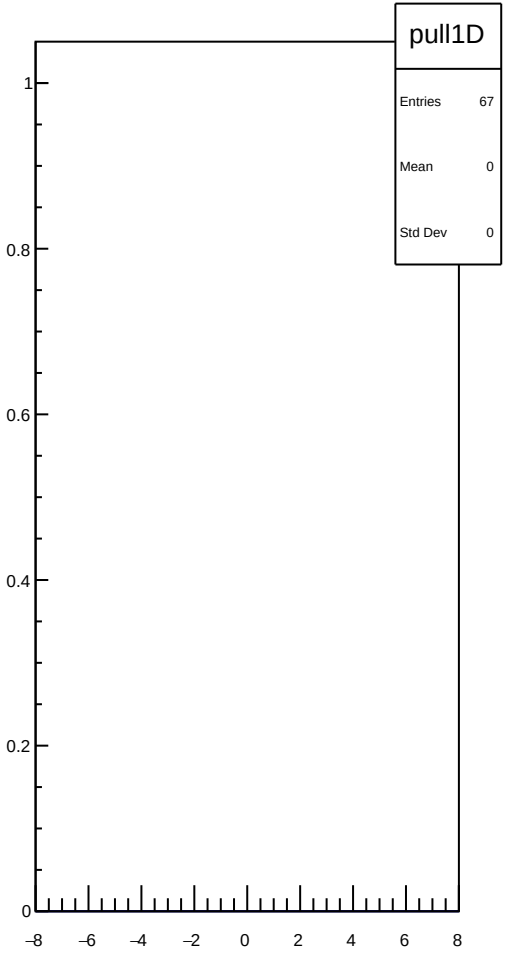




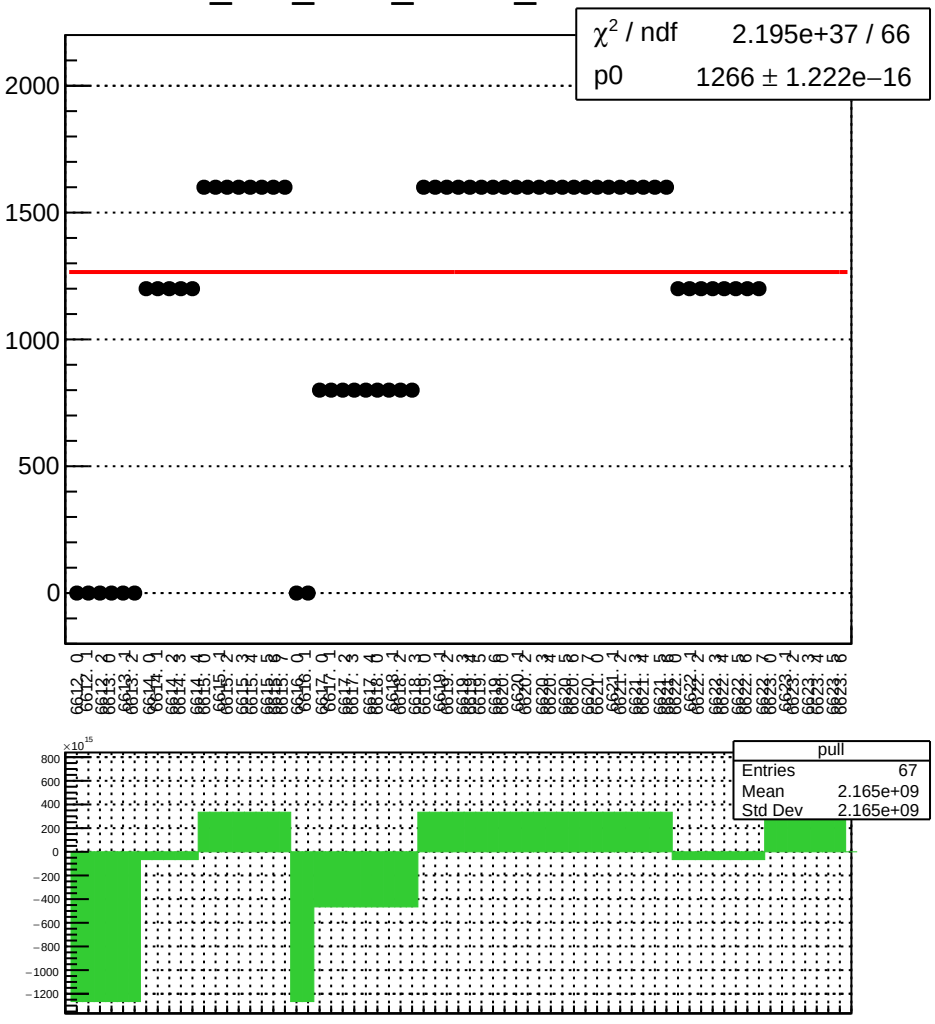

dit_atl2_coil7_mean vs run
χ² / ndf inf / 66
p0 7732 ± 1.222e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 67
Mean 3.244e+09
Std Dev 3.244e+09
4000
2000
0
−2000
−4000
−6000
−8000

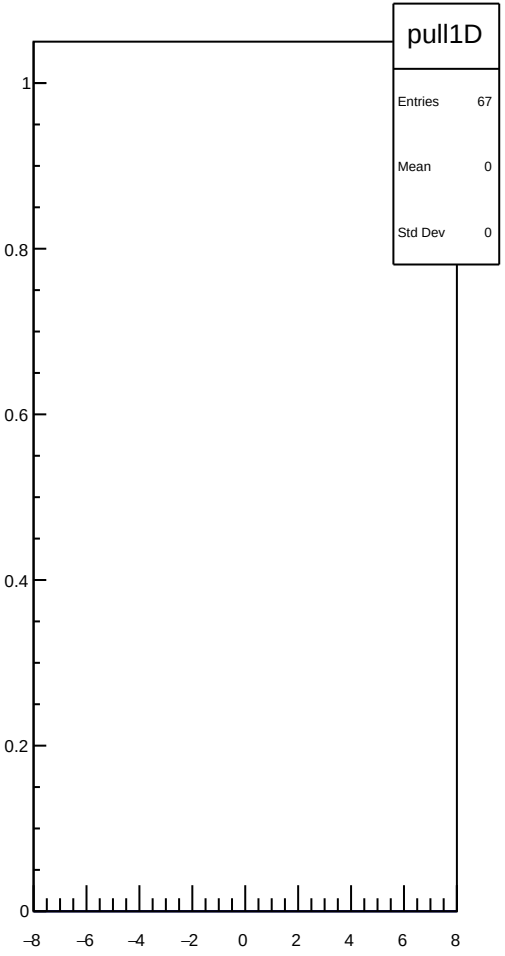

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atl2_coil7_err_mean vs run
χ^2 / ndf 2.019e+37 / 66
p0 1310 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 4.155e+08
Std Dev 4.155e+08
$\times 10^{15}$
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

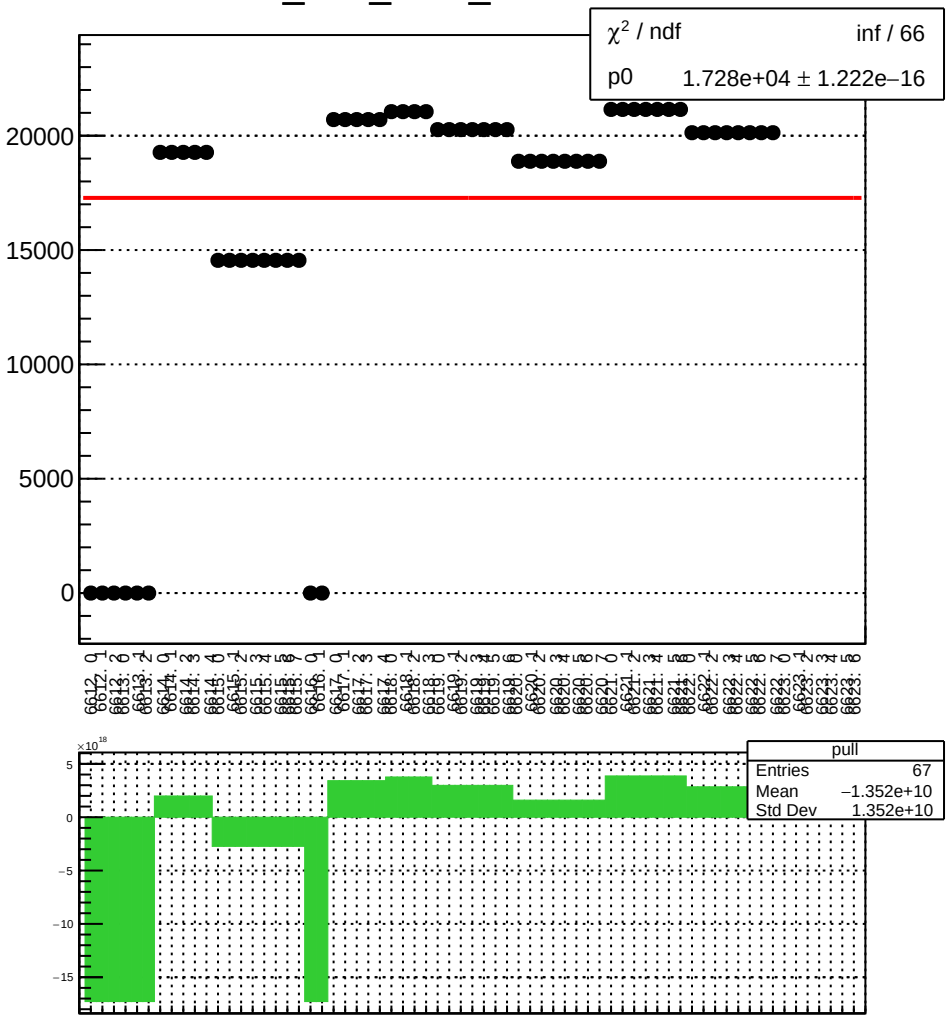

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

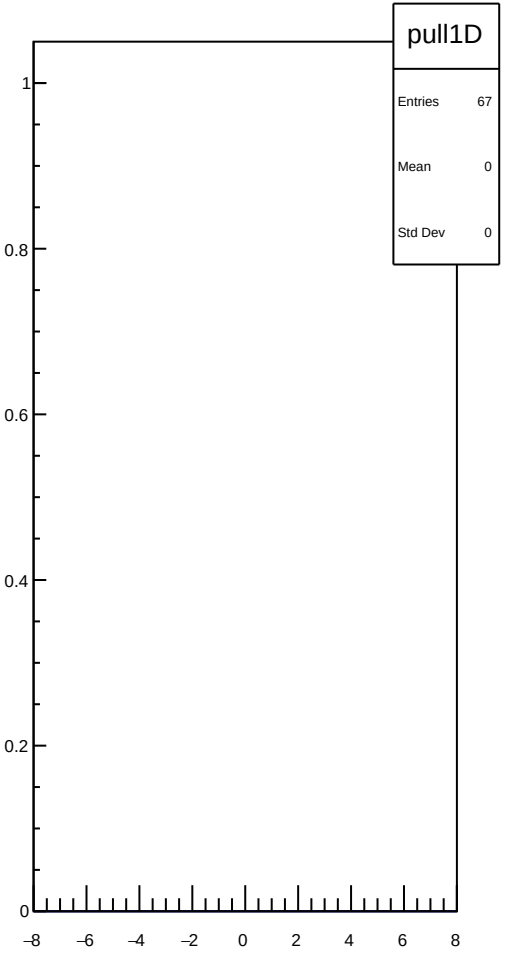
dit_atl2_coil7_Ndata_mean vs run

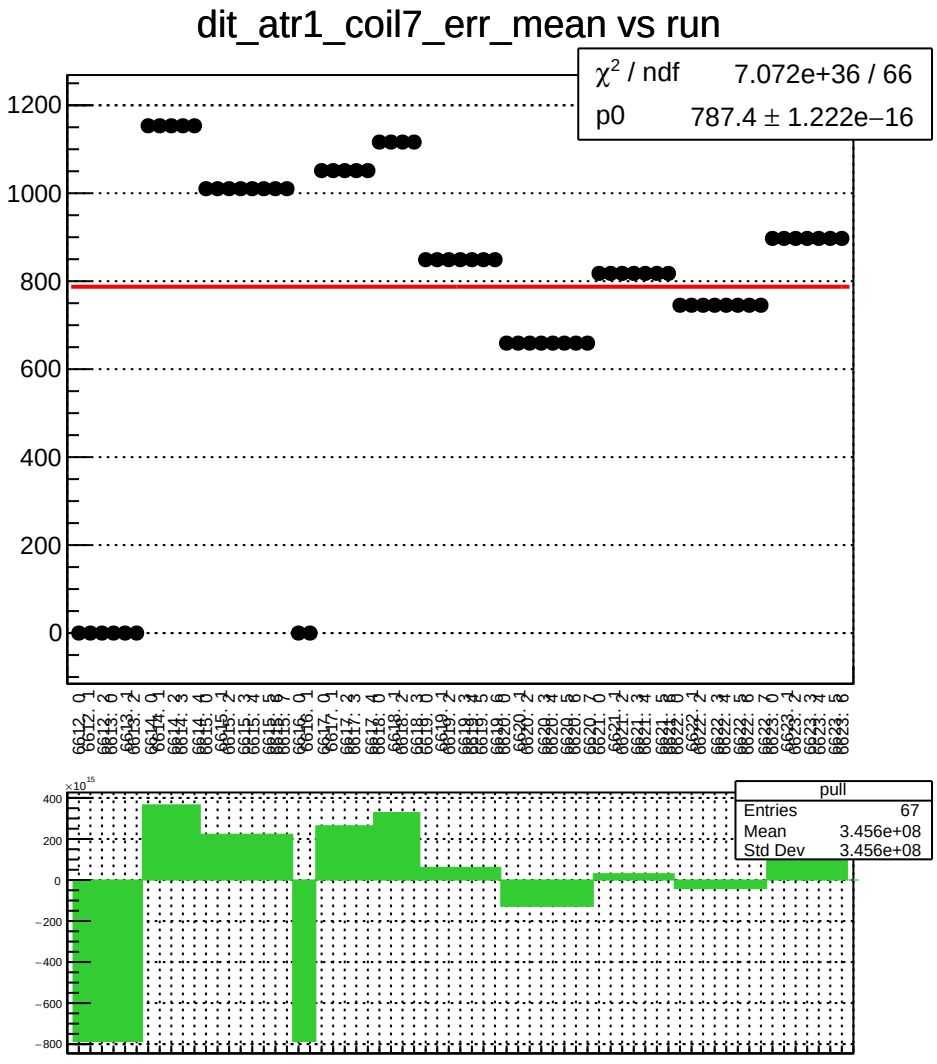


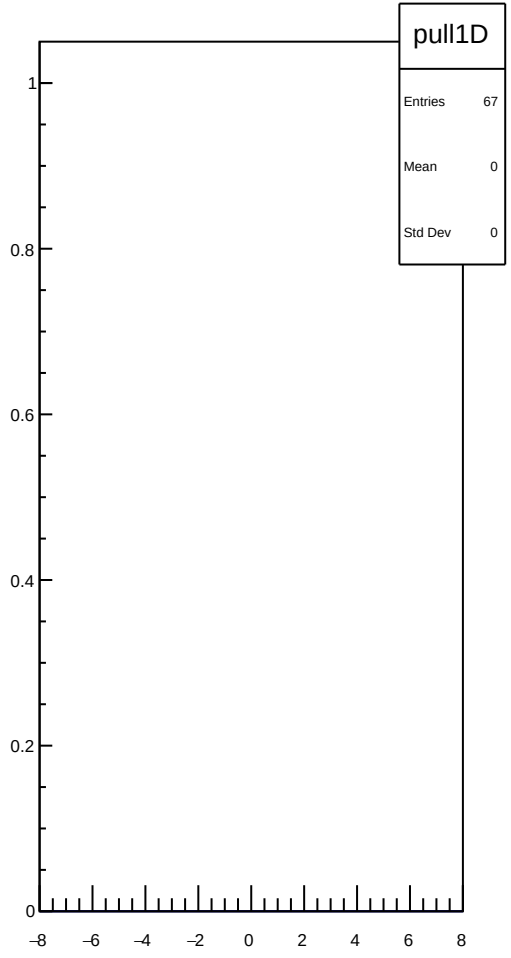


dit_atr1_coil7_mean vs run

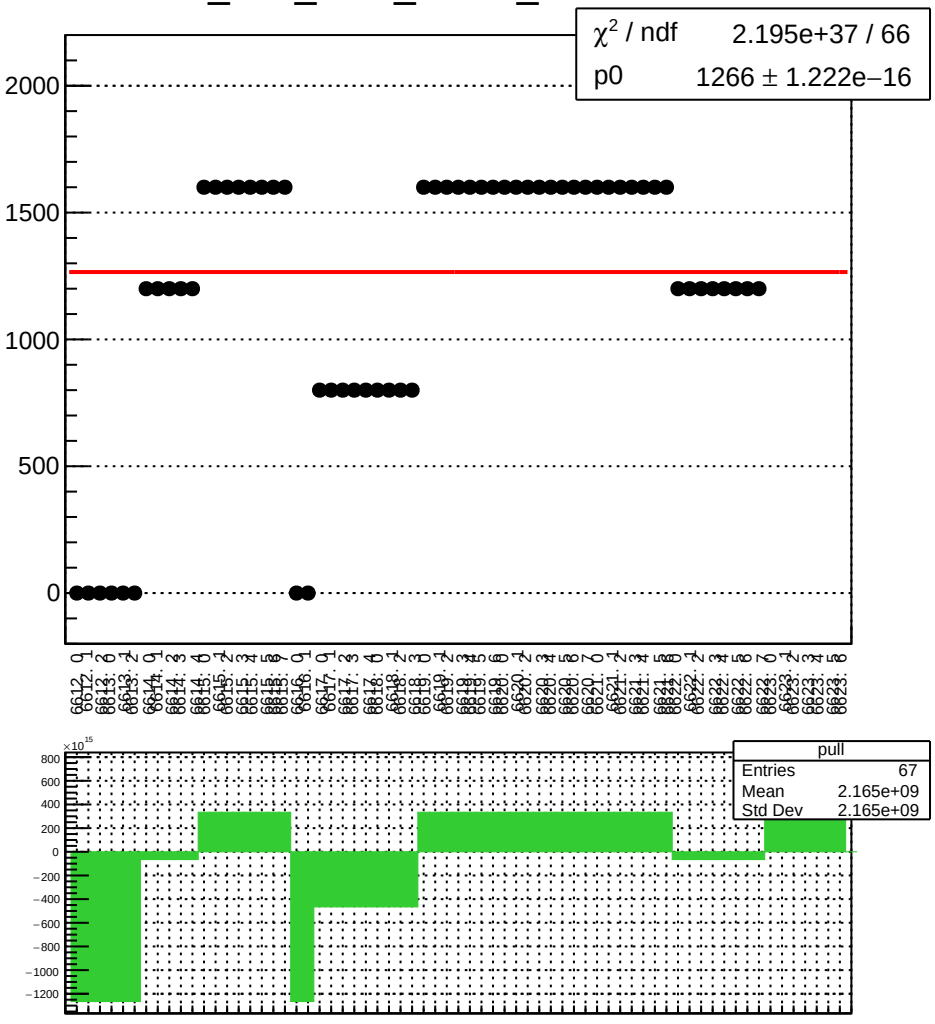


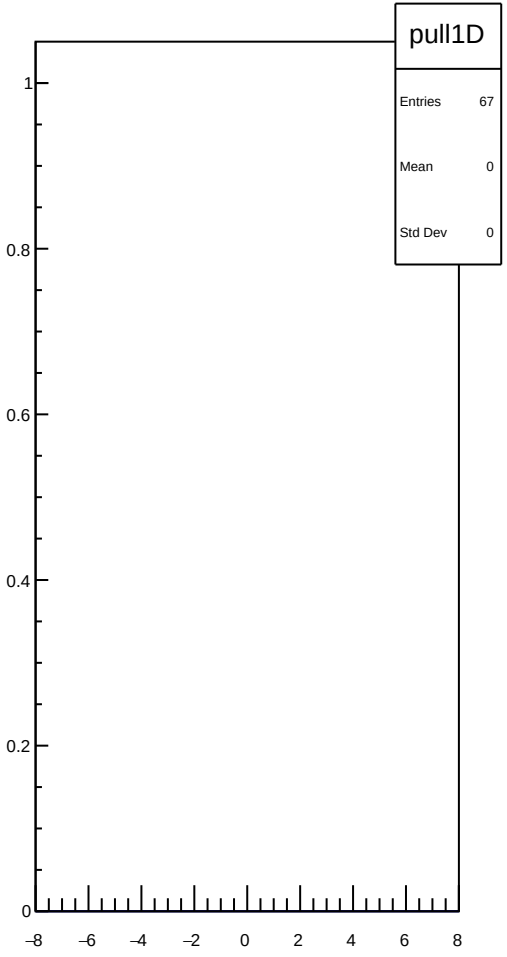


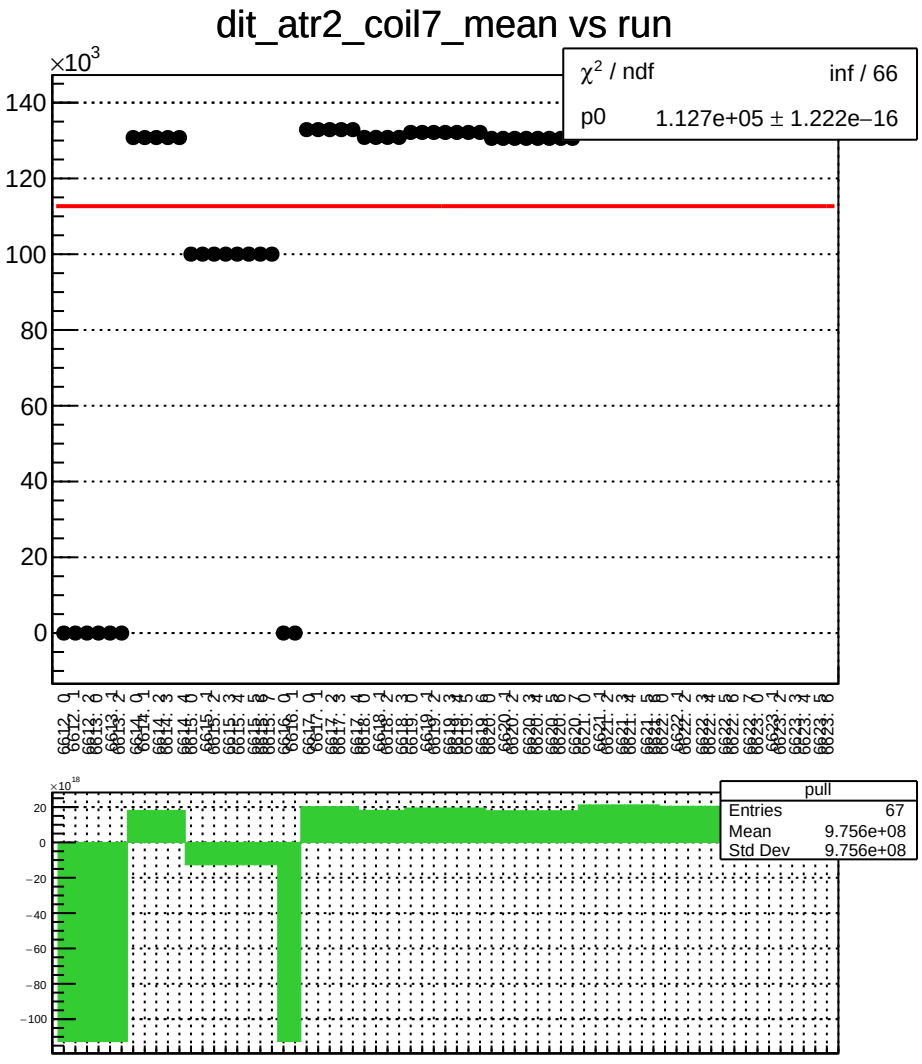

dit_atr1_coil7_err_mean vs run
χ² / ndf 7.072e+36 / 66
p0 787.4 ± 1.222e−16
pull
Entries 67
Mean 3.456e+08
Std Dev 3.456e+08

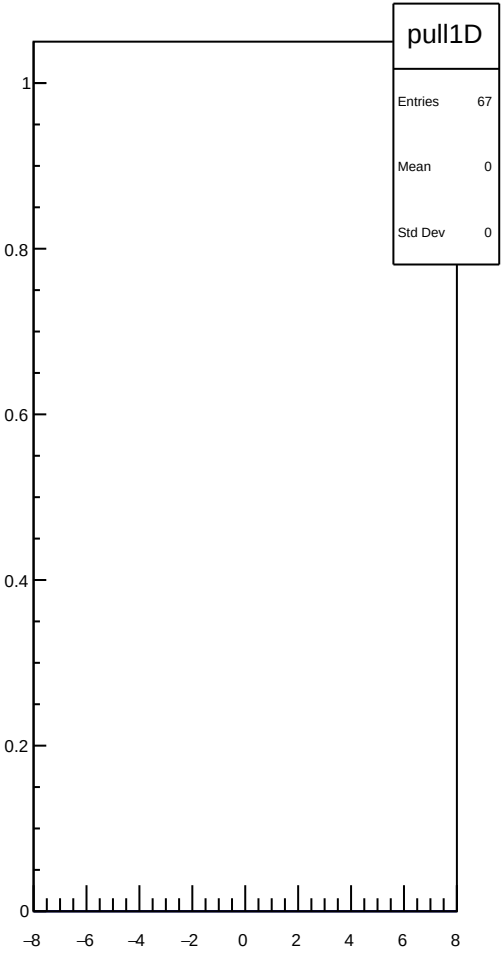

pull1D
Entries 67
Mean 0
Std Dev 0

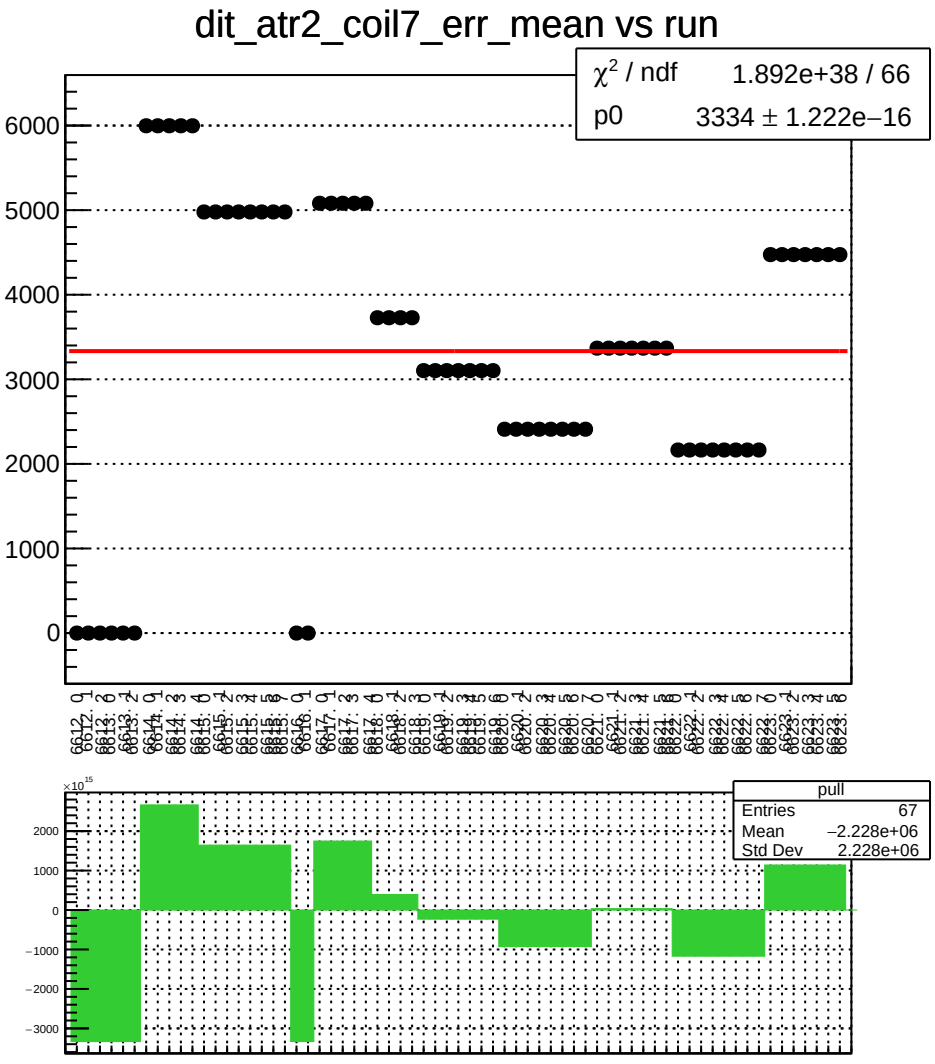
dit_atr1_coil7_Ndata_mean vs run

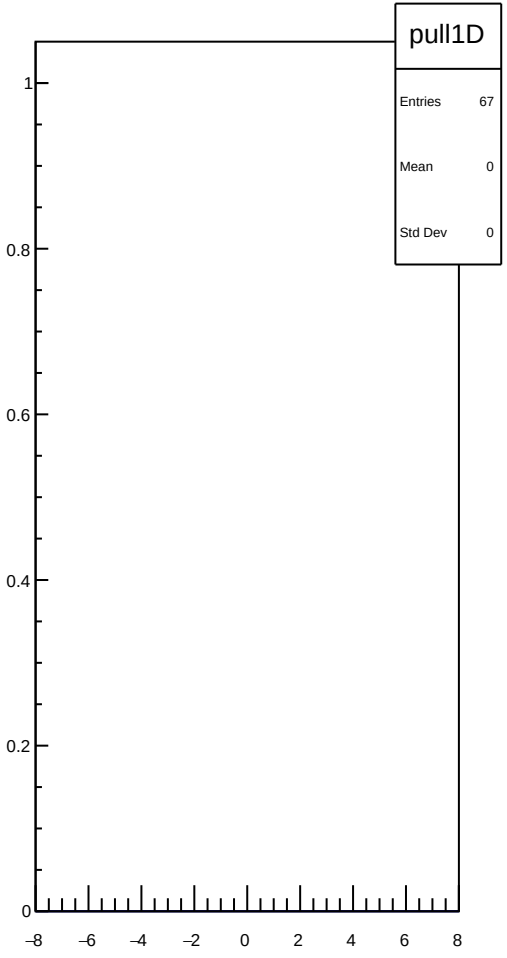




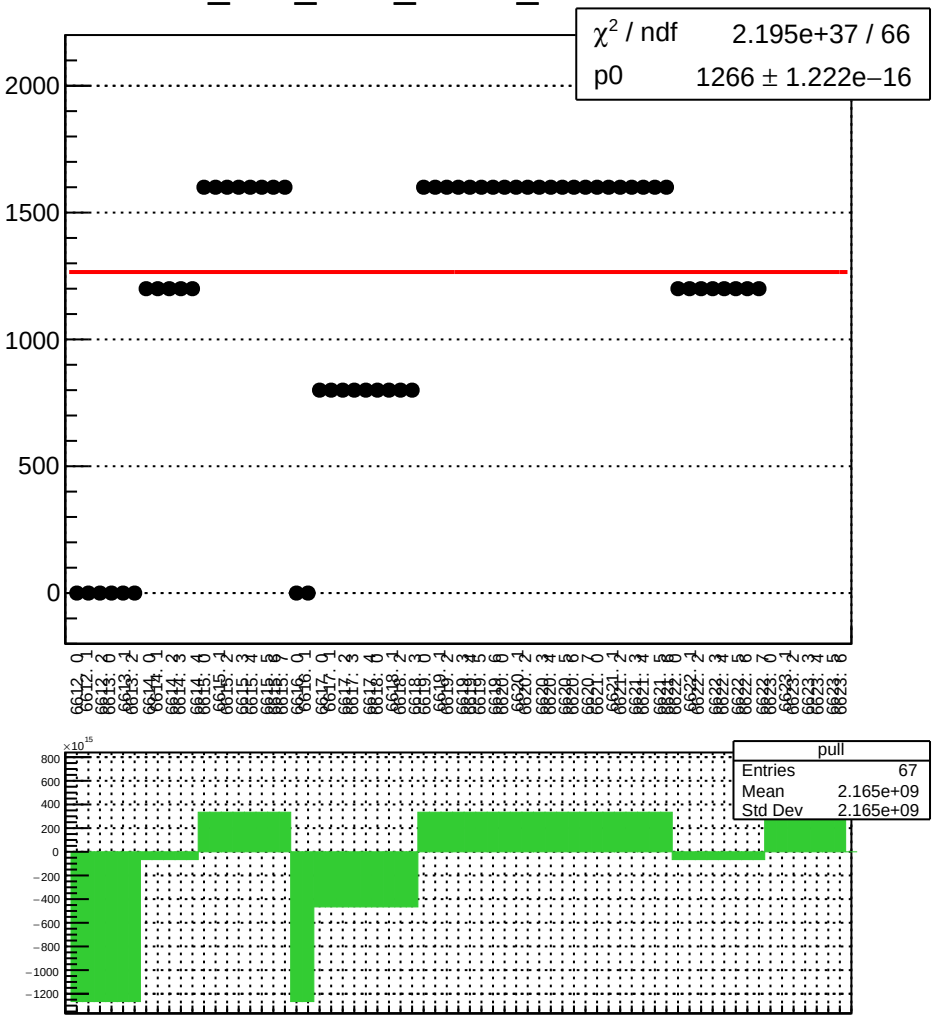

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 66
p0 1.127e+05 ± 1.222e−16
pull
Entries 67
Mean 9.756e+08
Std Dev 9.756e+08
×10^18

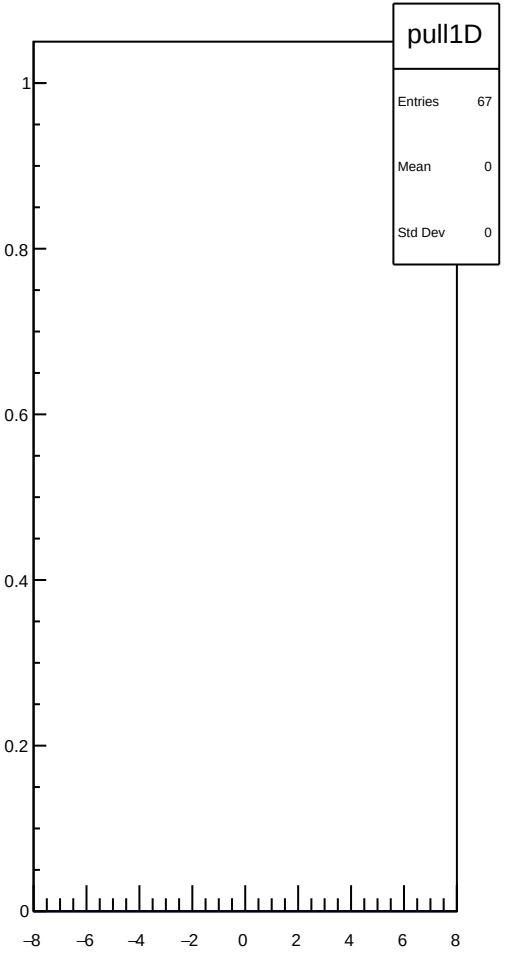

pull1D
Entries 67
Mean 0
Std Dev 0

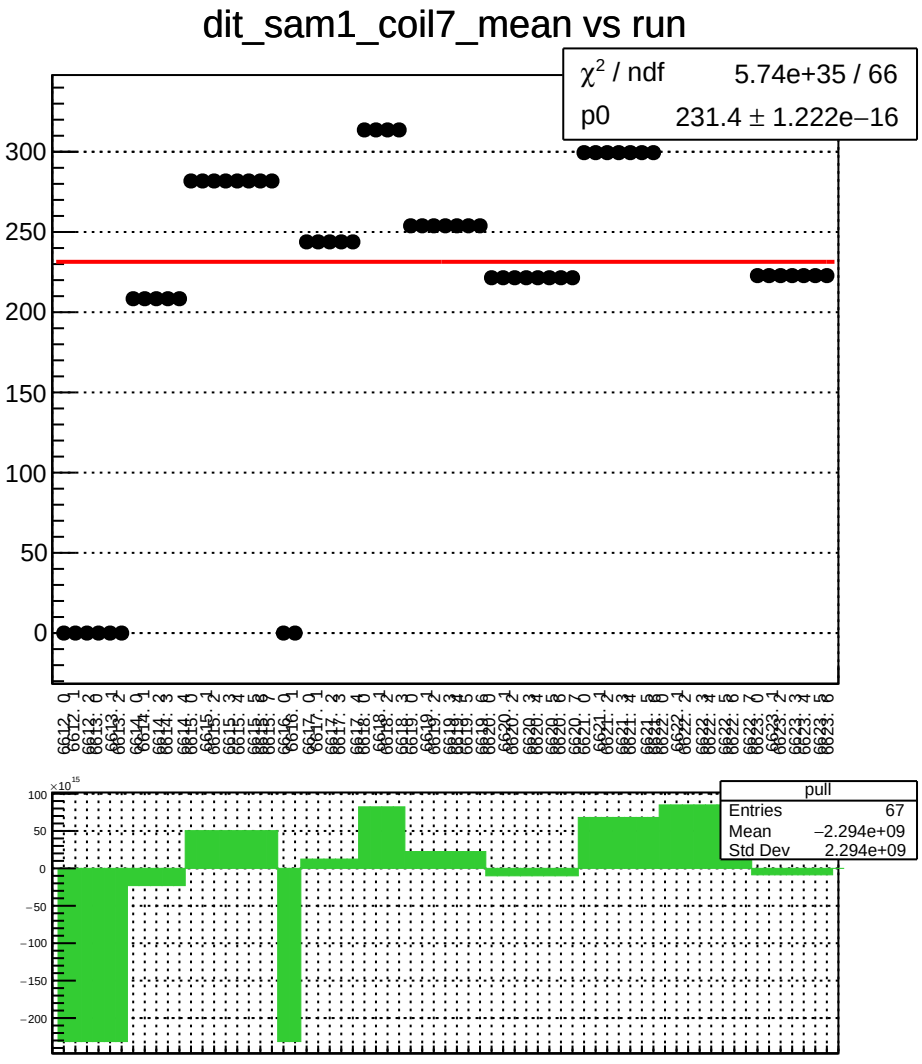

dit_atr2_coil7_err_mean vs run
χ² / ndf 1.892e+38 / 66
p0 3334 ± 1.222e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean −2.228e+06
Std Dev 2.228e+06
×10¹⁵
2000
1000
0
−1000
−2000
−3000

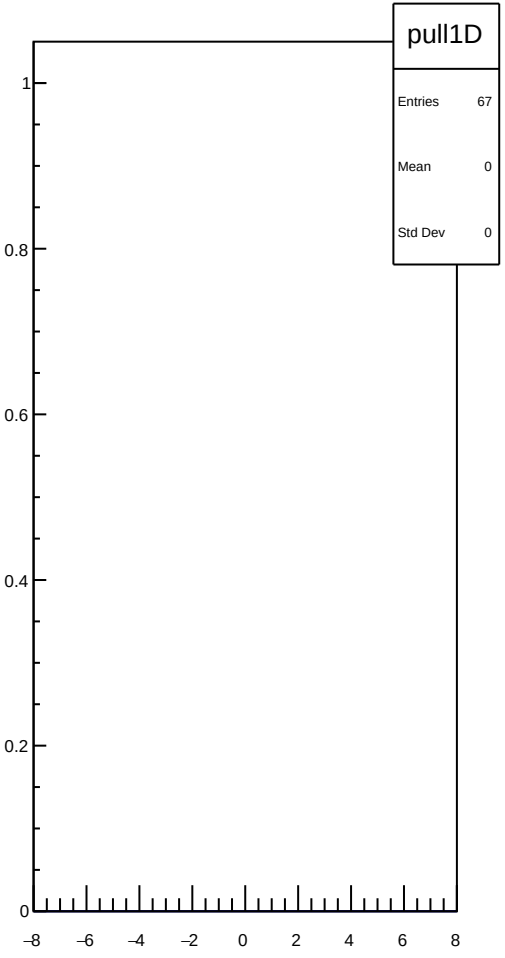

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_Ndata_mean vs run

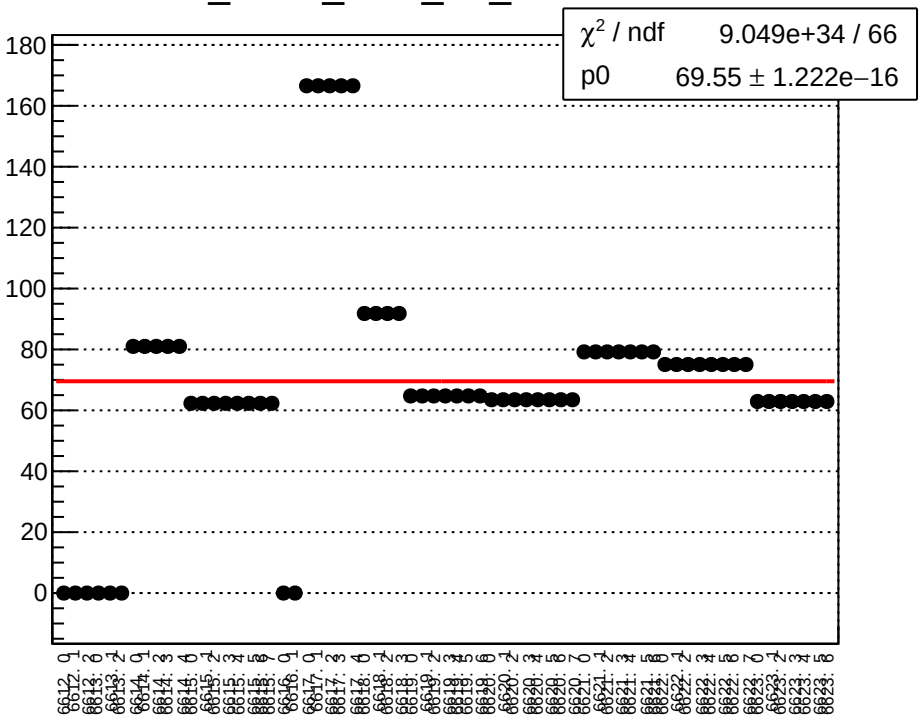


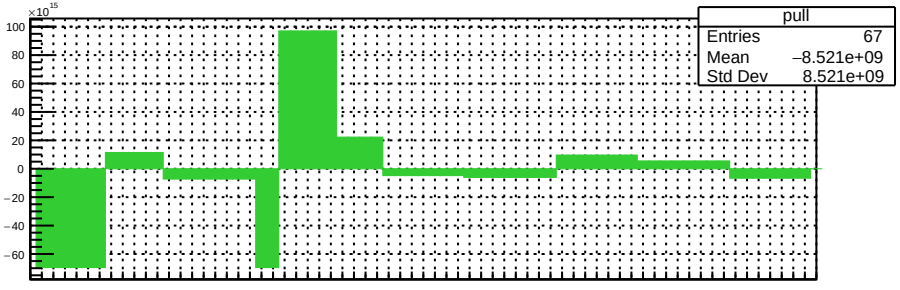


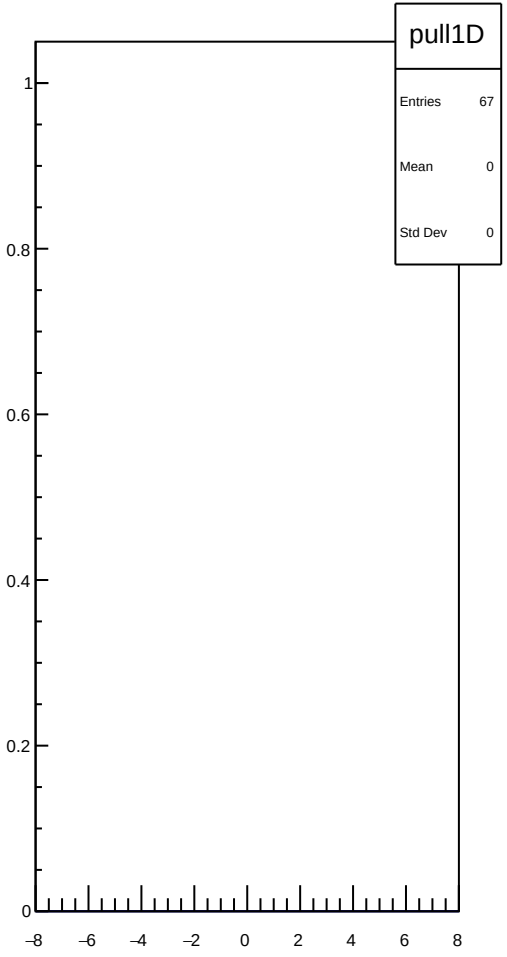

dit_sam1_coil7_mean vs run
χ² / ndf 5.74e+35 / 66
p0 231.4 ± 1.222e−16
pull
Entries 67
Mean −2.294e+09
Std Dev 2.294e+09

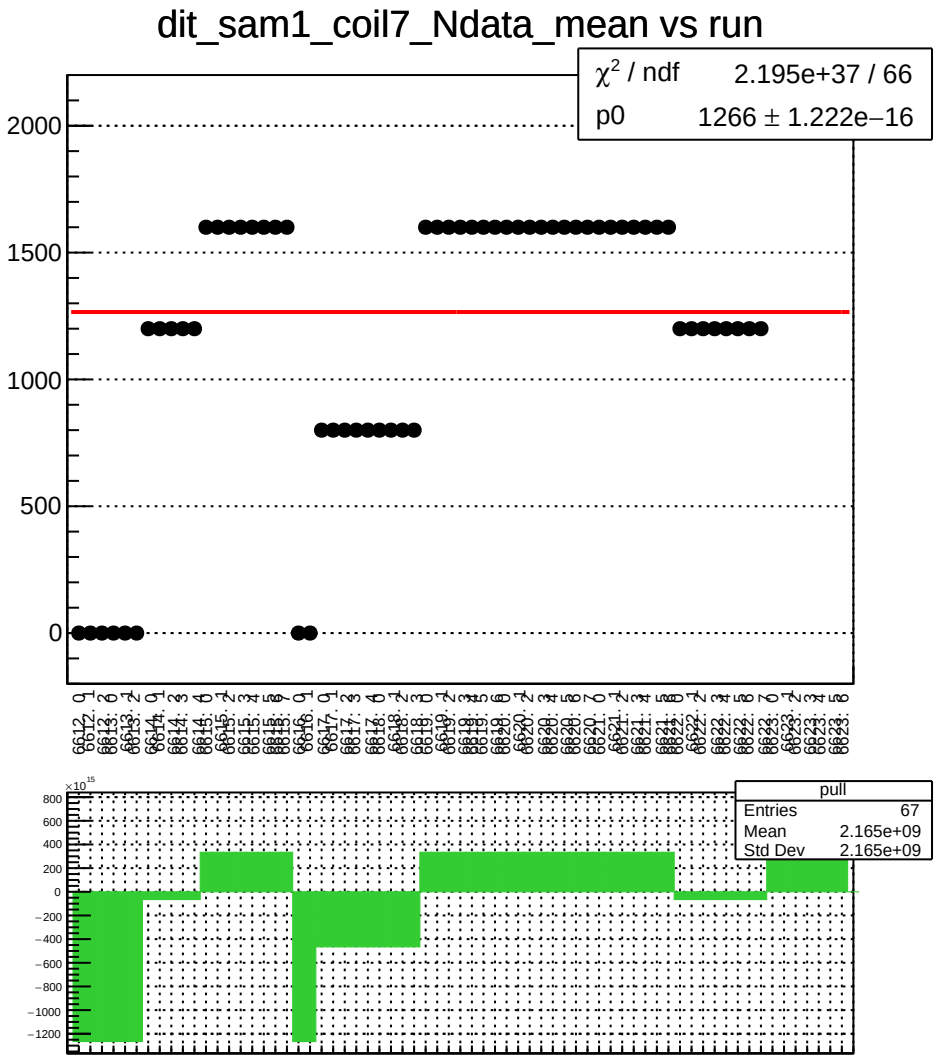

pull1D
Entries 67
Mean 0
Std Dev 0

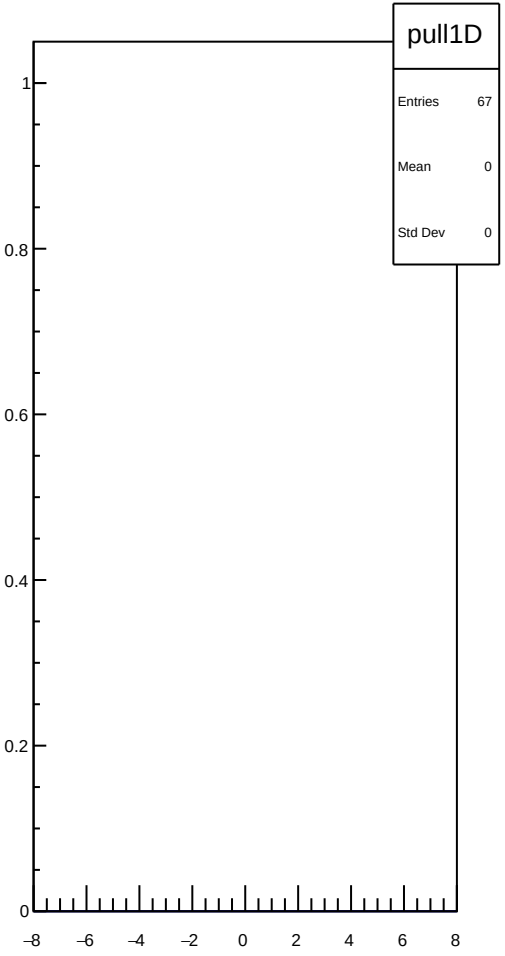
dit_sam1_coil7_err_mean vs run

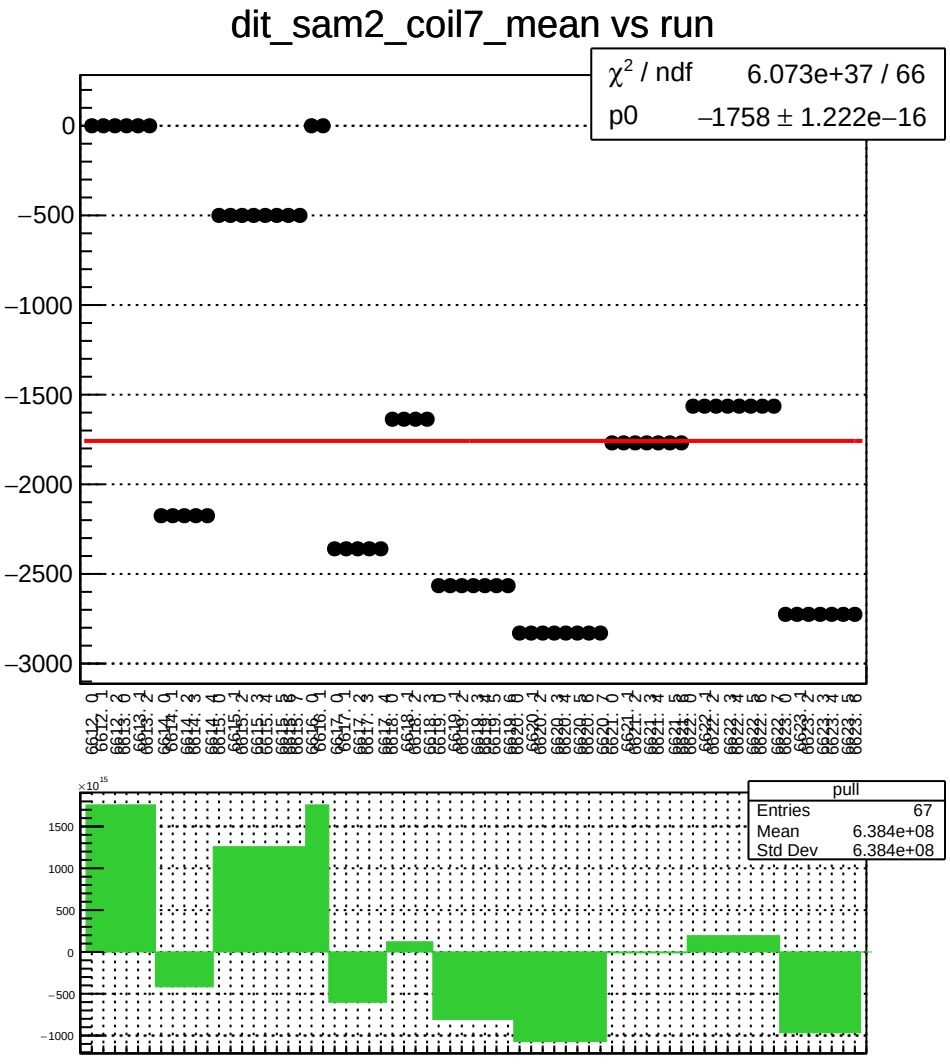


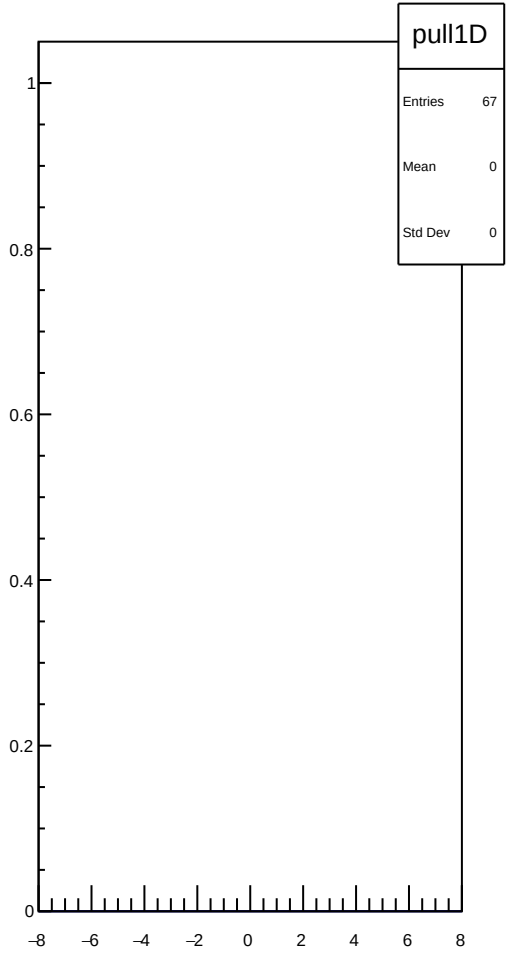




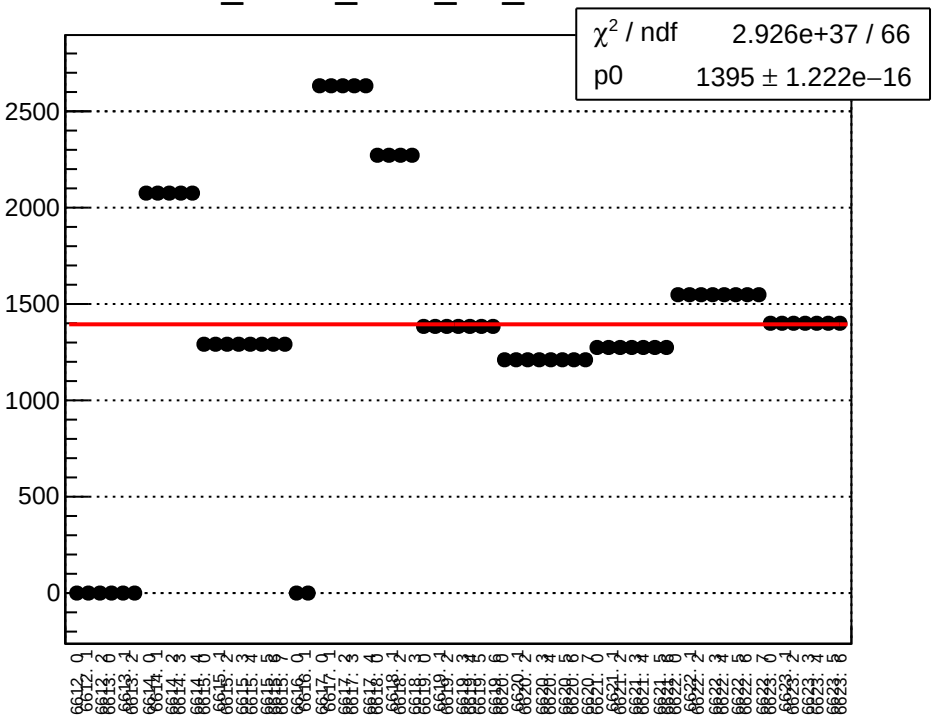

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

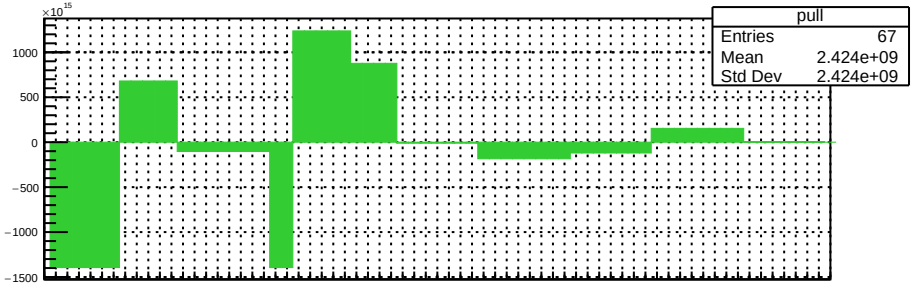

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

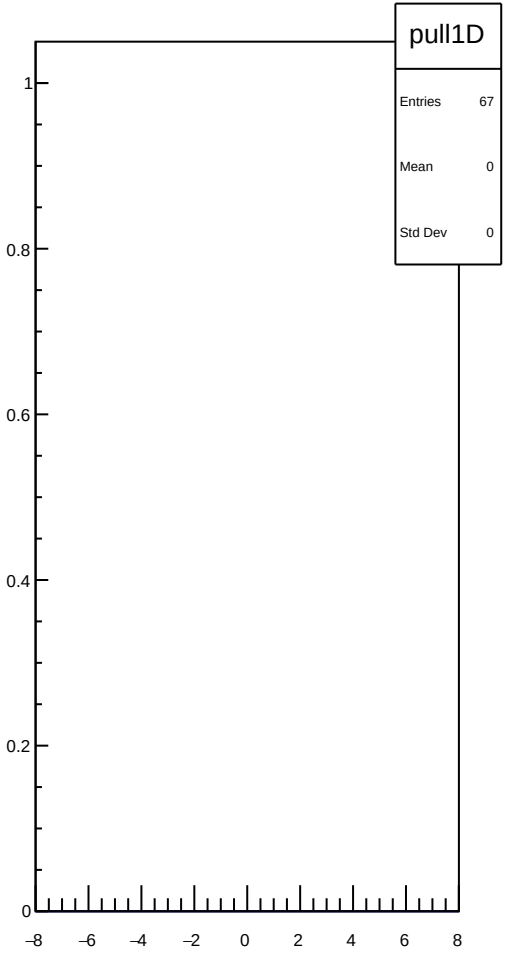

dit_sam2_coil7_mean vs run
χ² / ndf 6.073e+37 / 66
p0 −1758 ± 1.222e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 67
Mean 6.384e+08
Std Dev 6.384e+08
×10¹⁵
1500
1000
500
0
−500
−1000

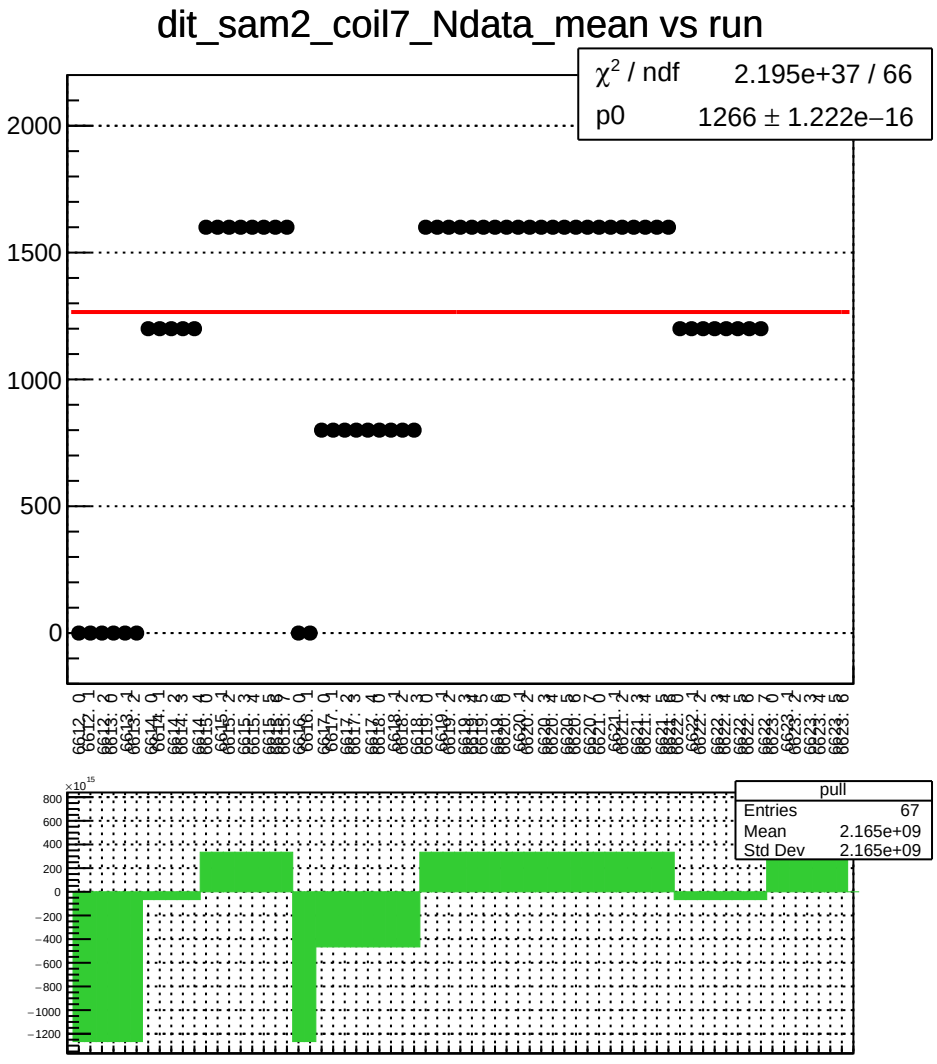

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

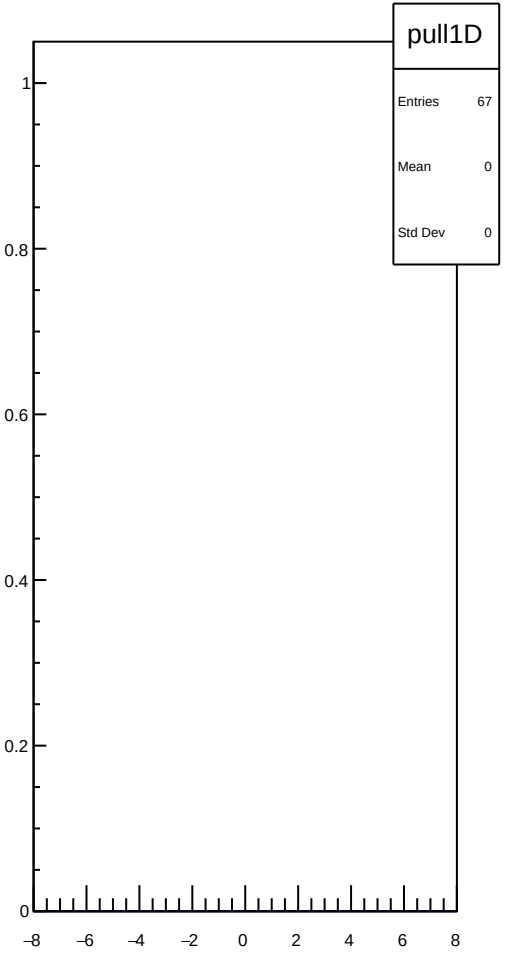
dit_sam2_coil7_err_mean vs run

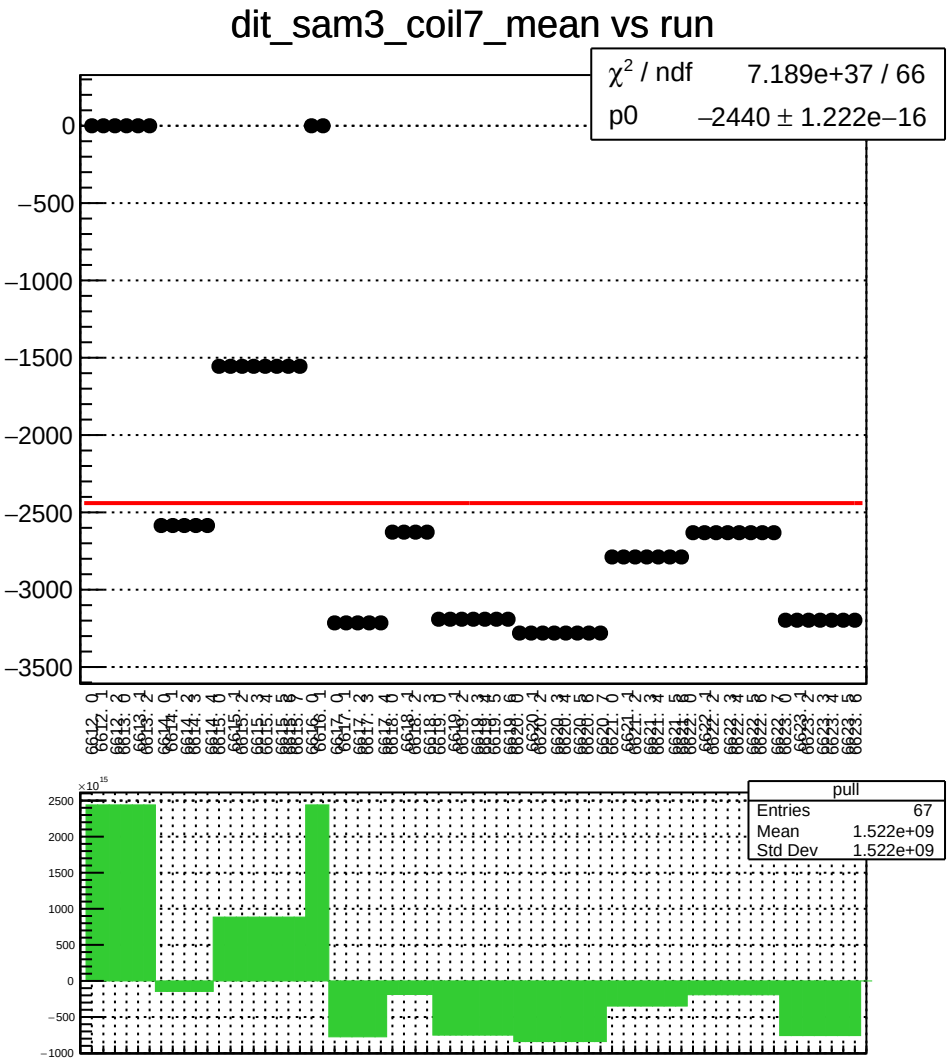


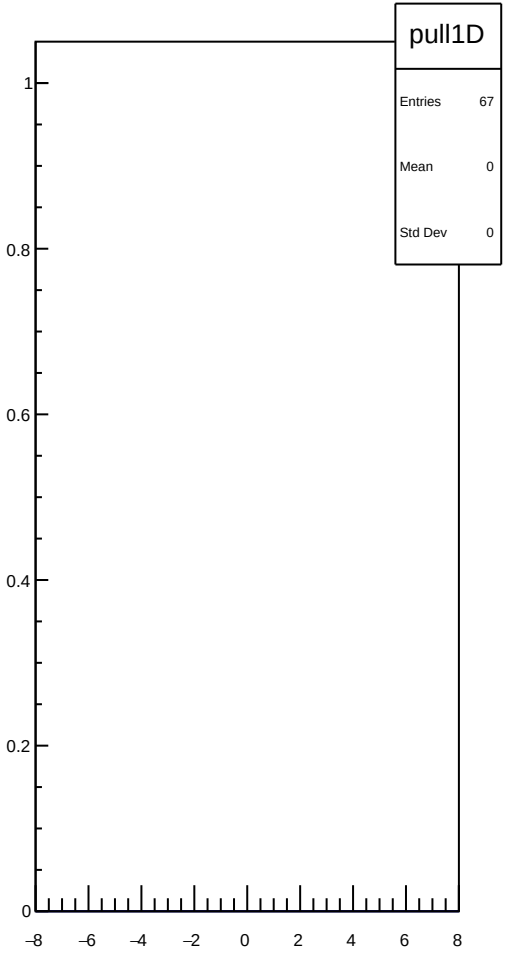


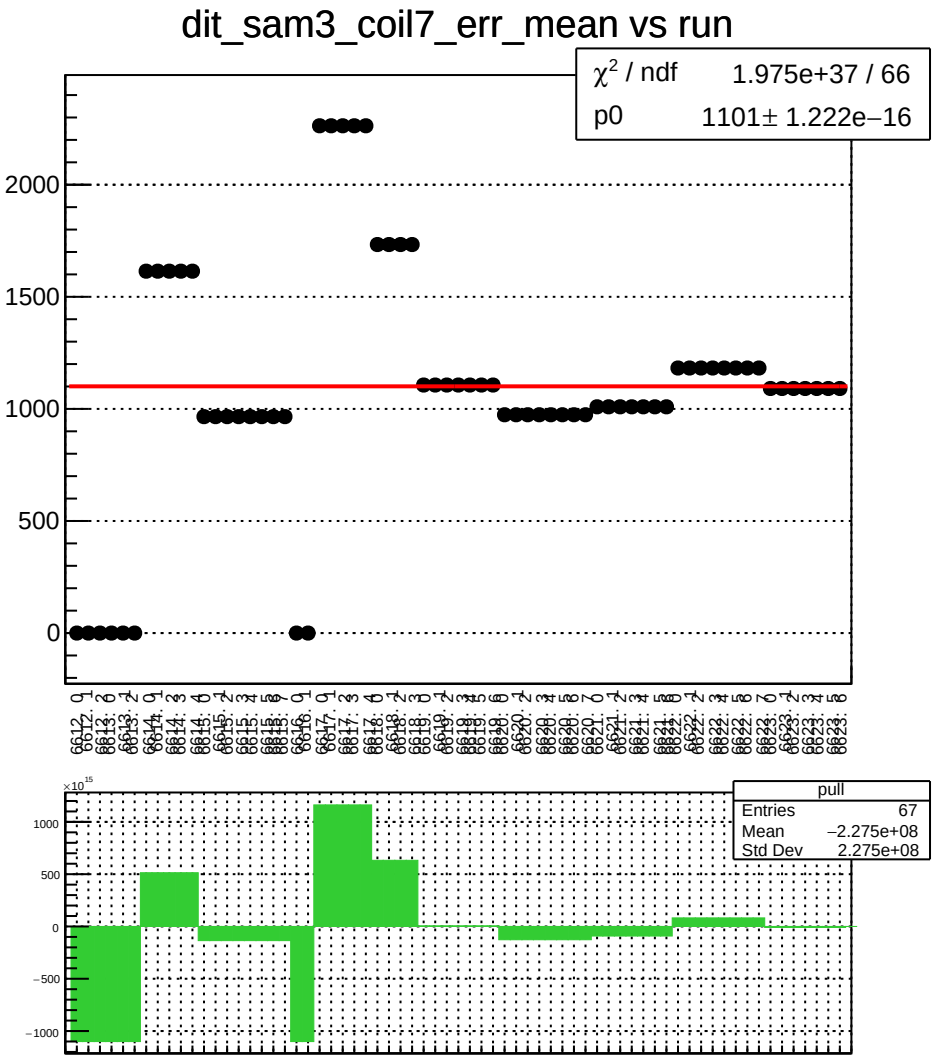


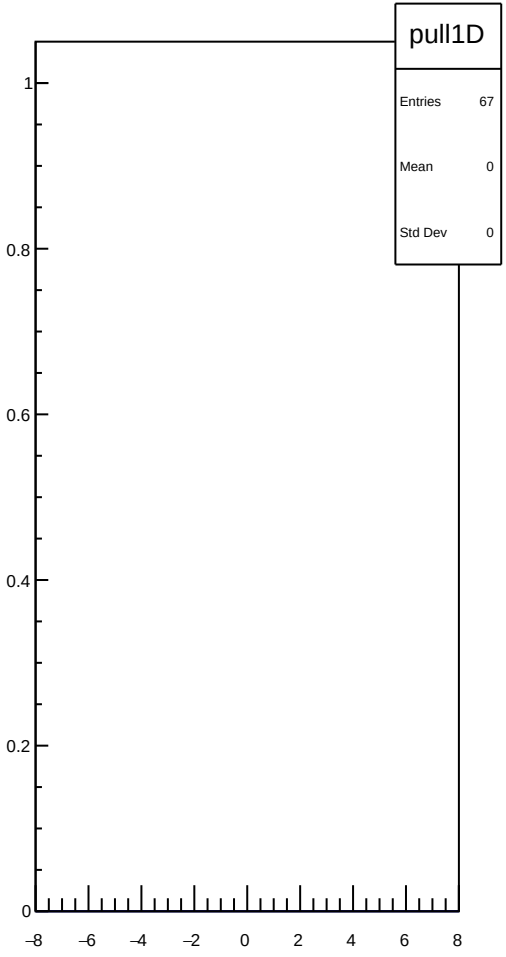

dit_sam2_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

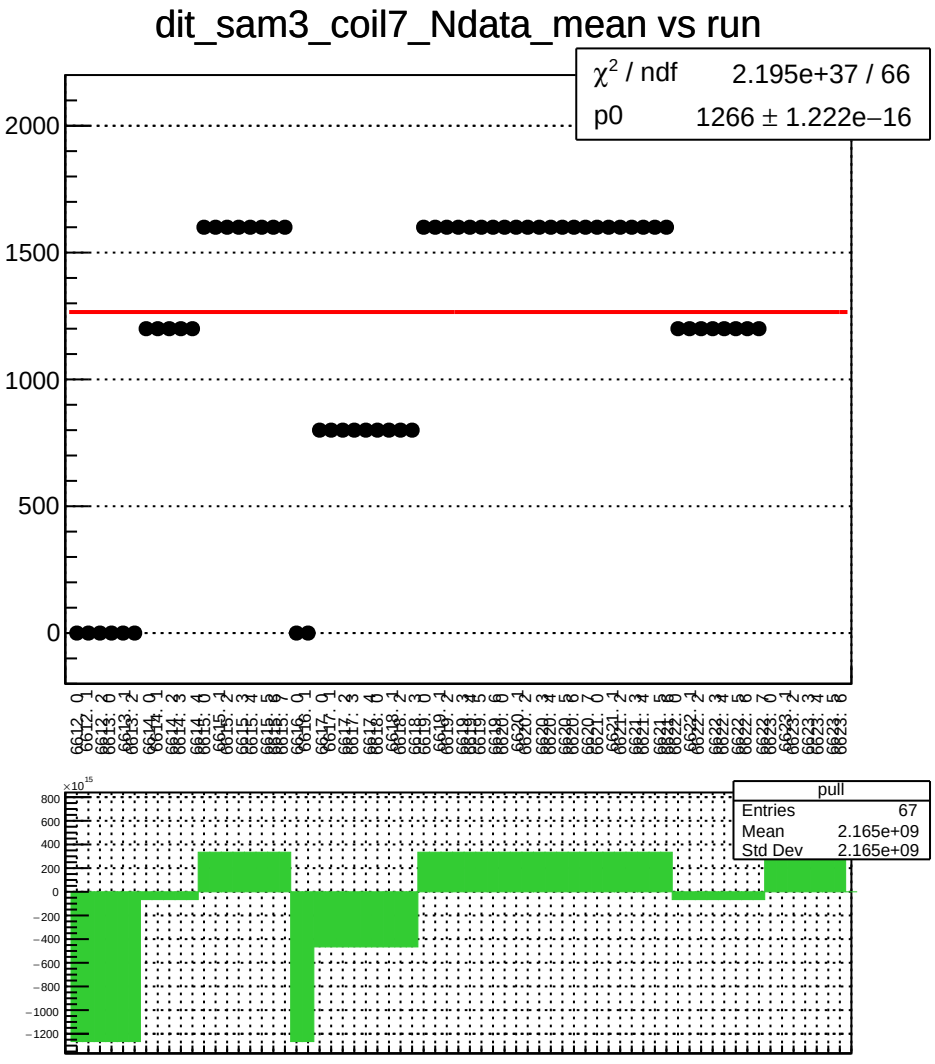

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

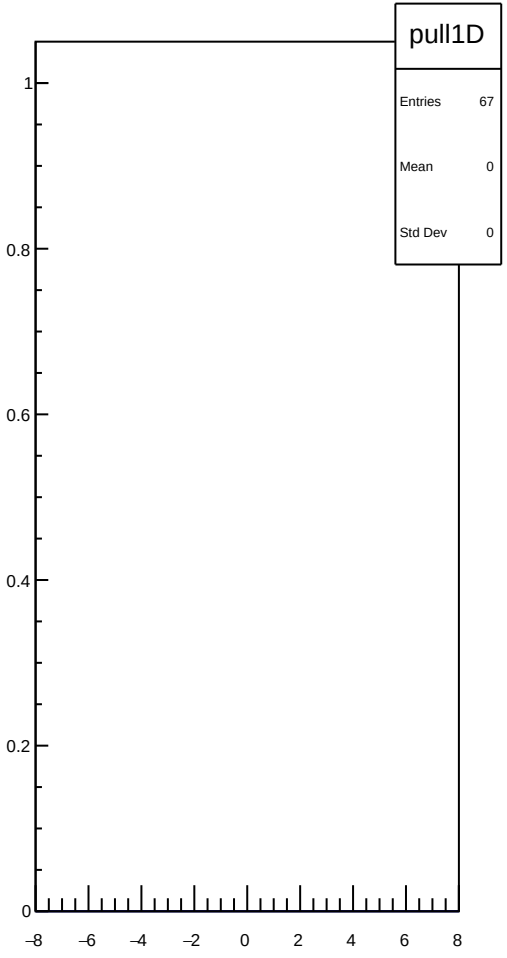

dit_sam3_coil7_mean vs run
χ² / ndf 7.189e+37 / 66
p0 −2440 ± 1.222e−16
pull
Entries 67
Mean 1.522e+09
Std Dev 1.522e+09

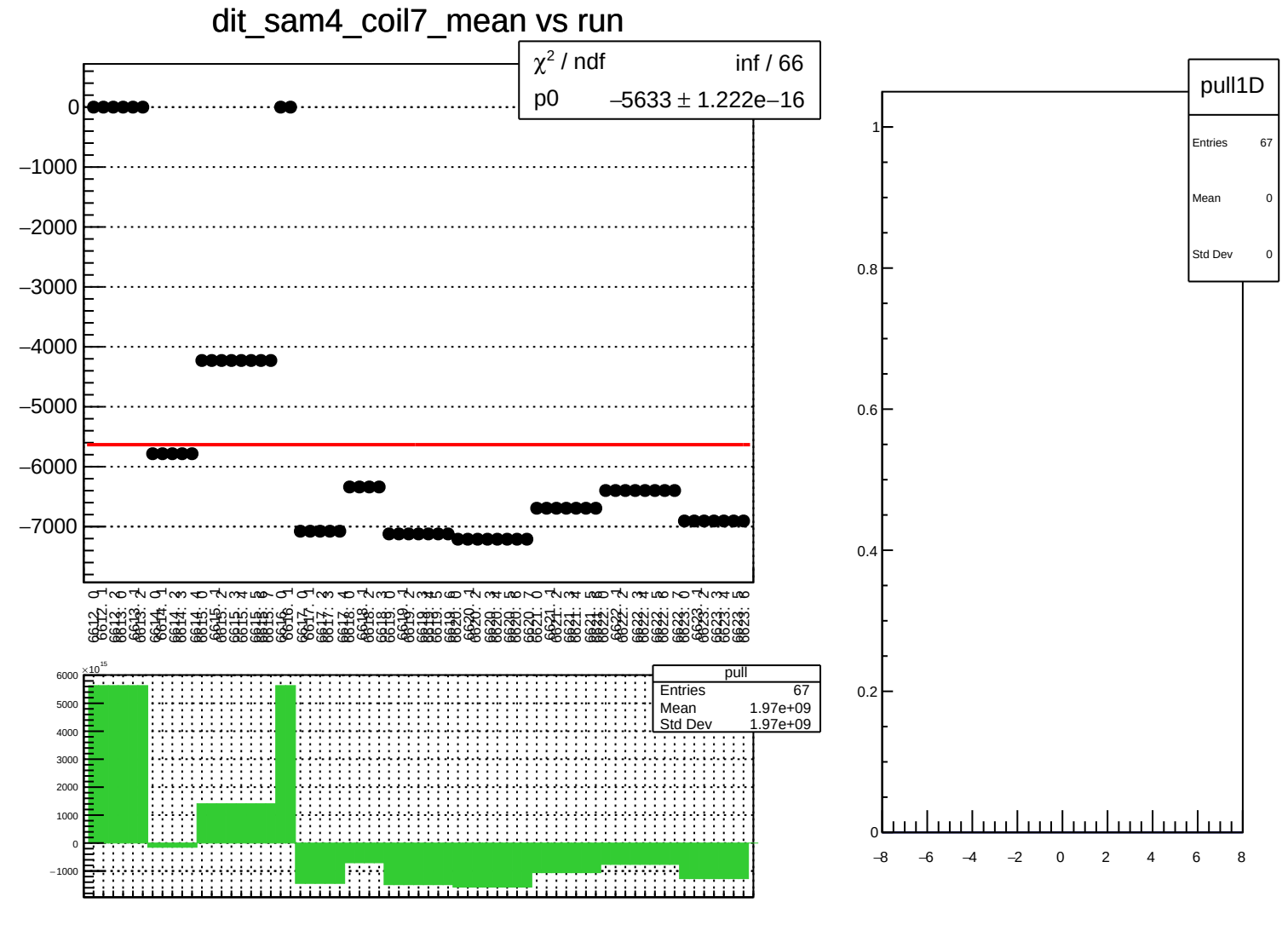

pull1D
Entries 67
Mean 0
Std Dev 0

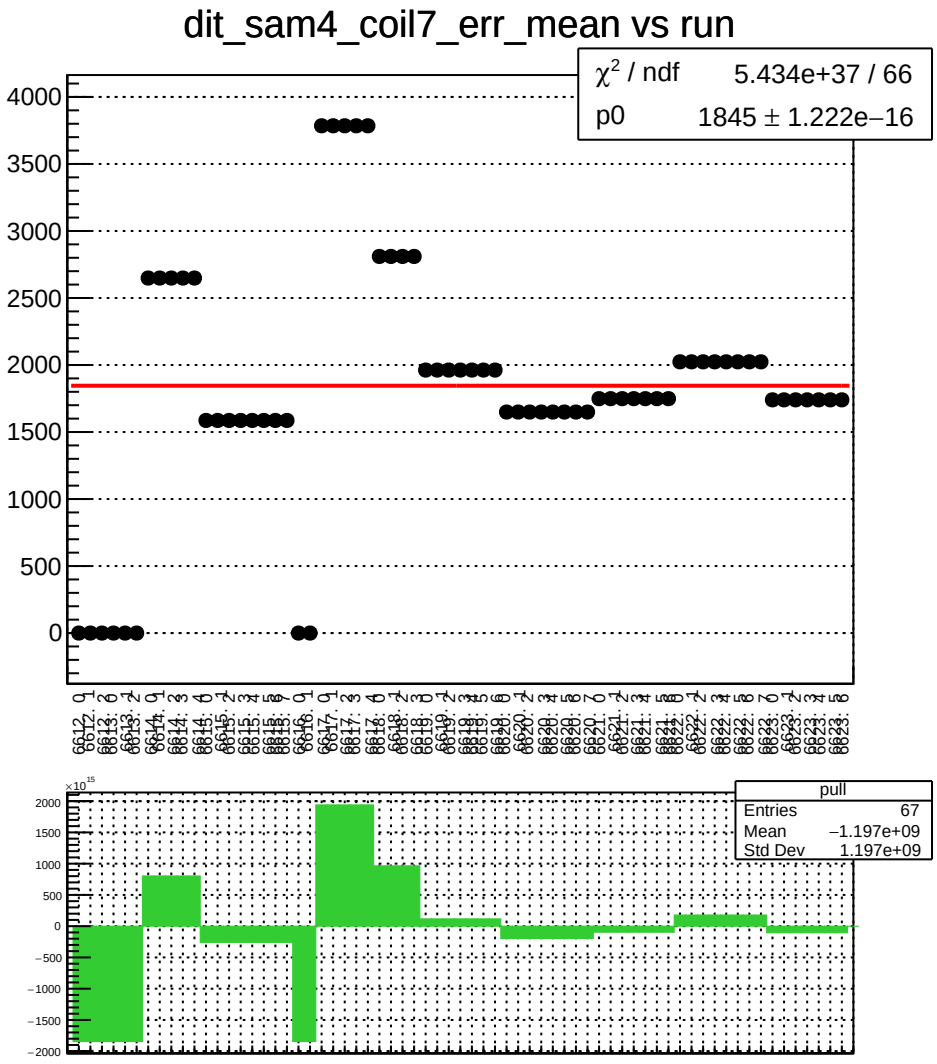

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.975e+37 / 66
p0 1101± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean −2.275e+08
Std Dev 2.275e+08
×10¹⁵
1000
500
0
−500
−1000

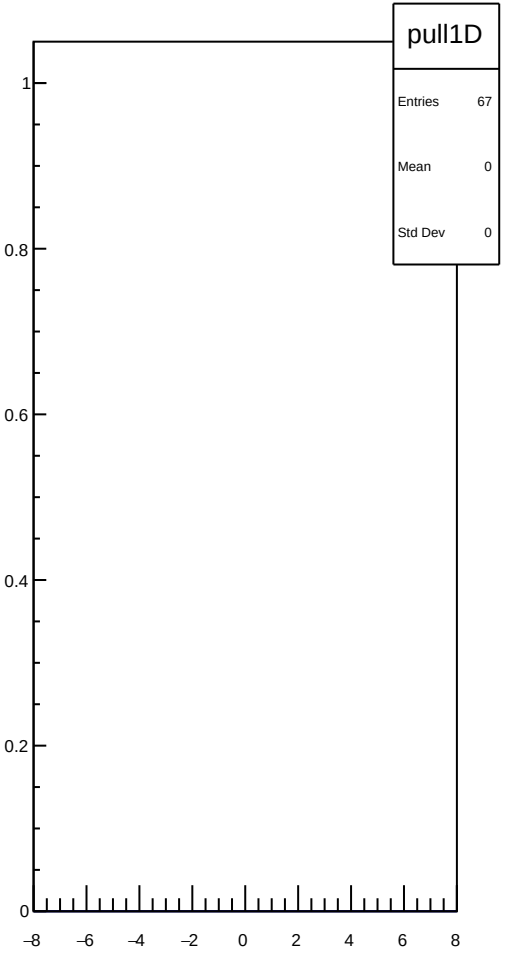

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

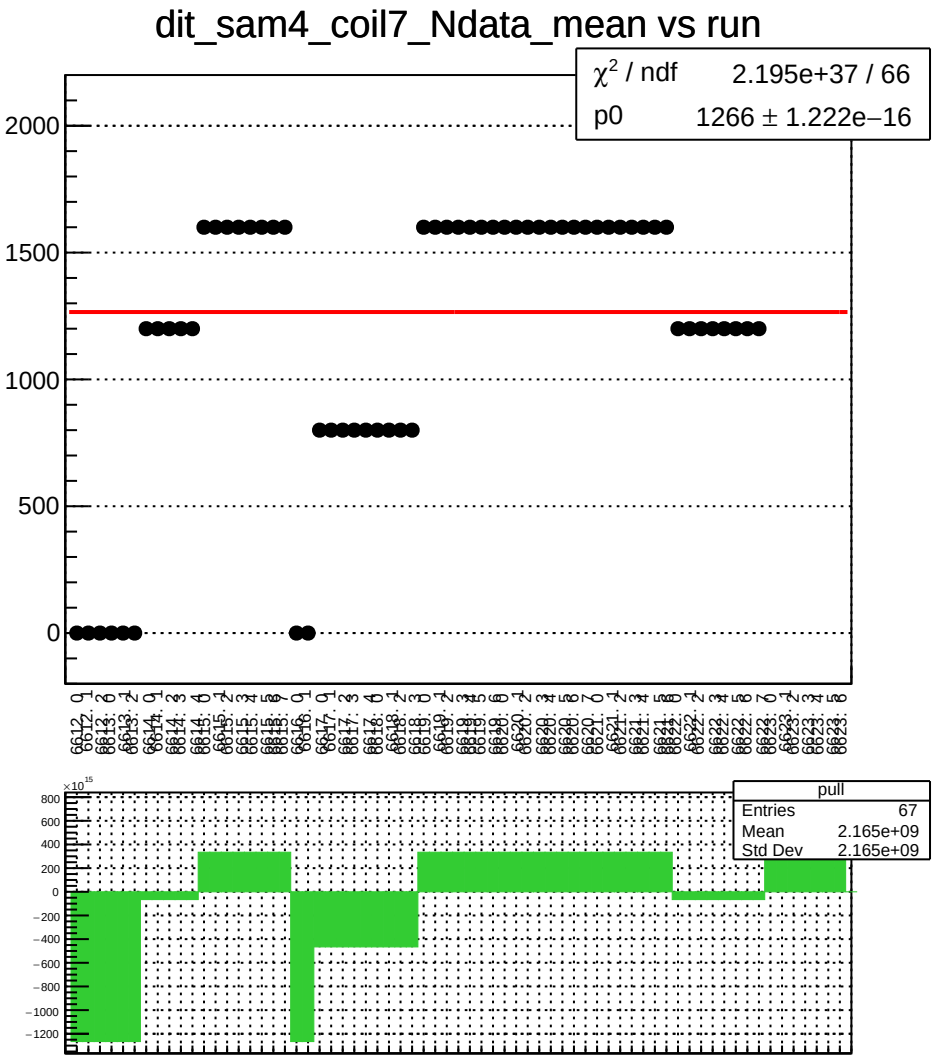

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

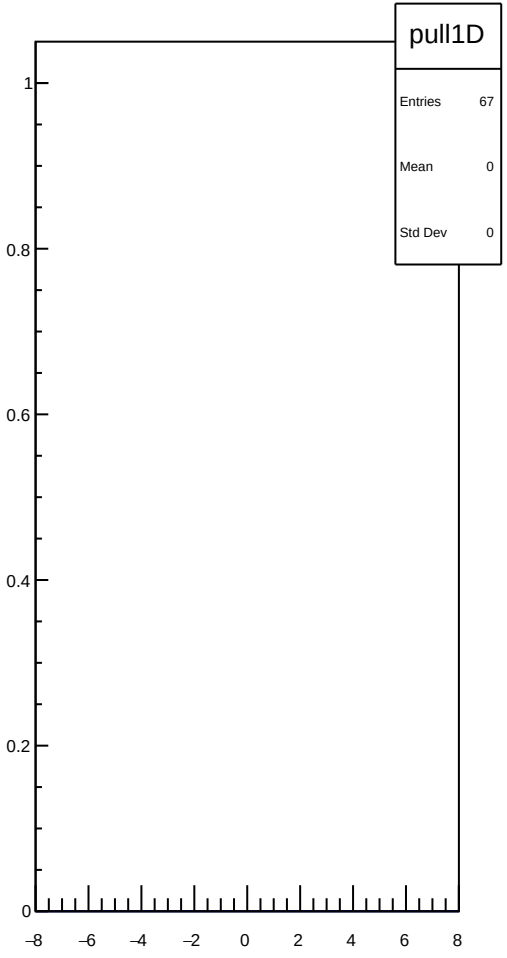

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

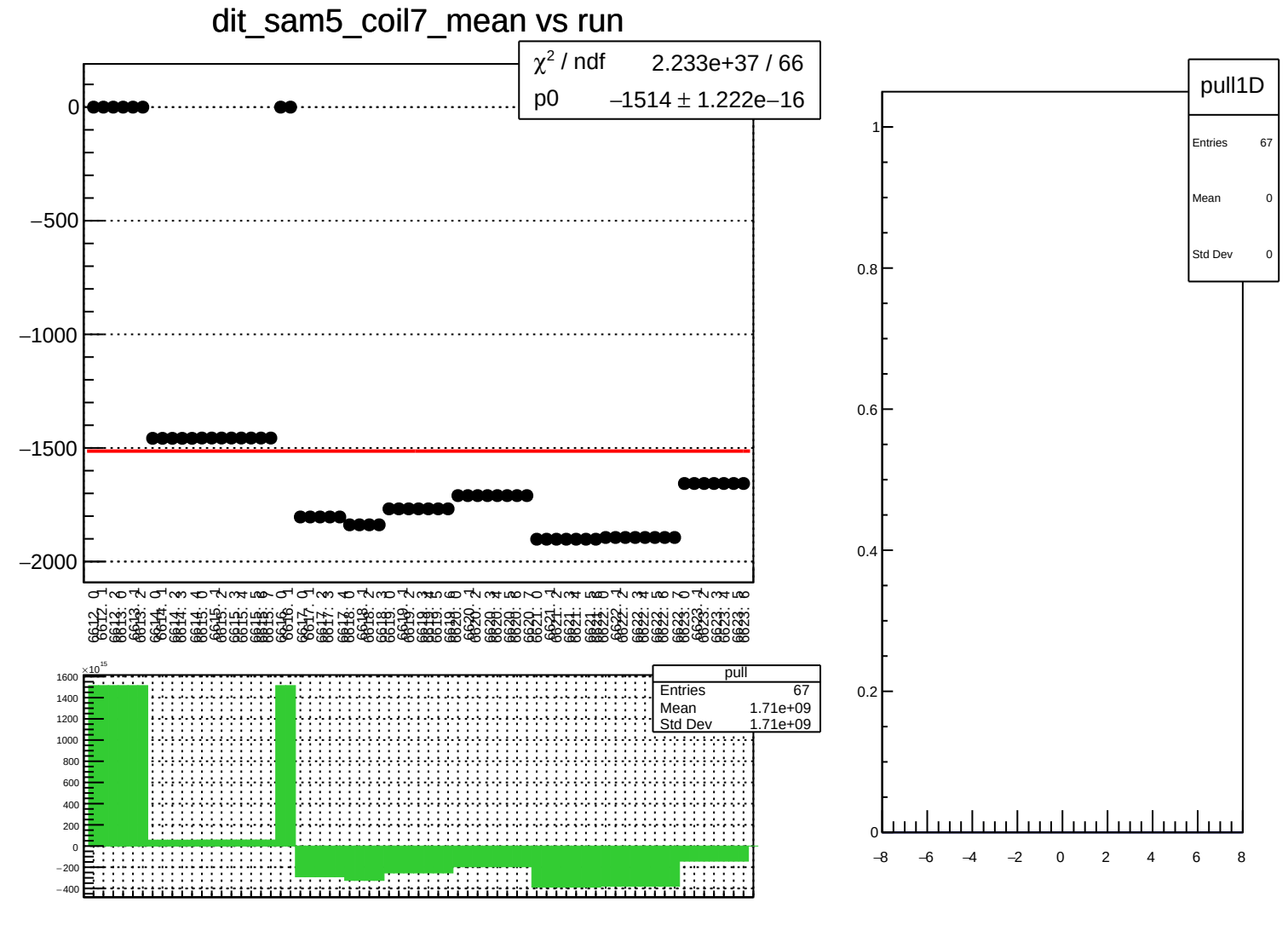

dit_sam4_coil7_mean vs run
χ² / ndf inf / 66
p0 −5633 ± 1.222e−16
pull
Entries 67
Mean 1.97e+09
Std Dev 1.97e+09
pull1D
Entries 67
Mean 0
Std Dev 0

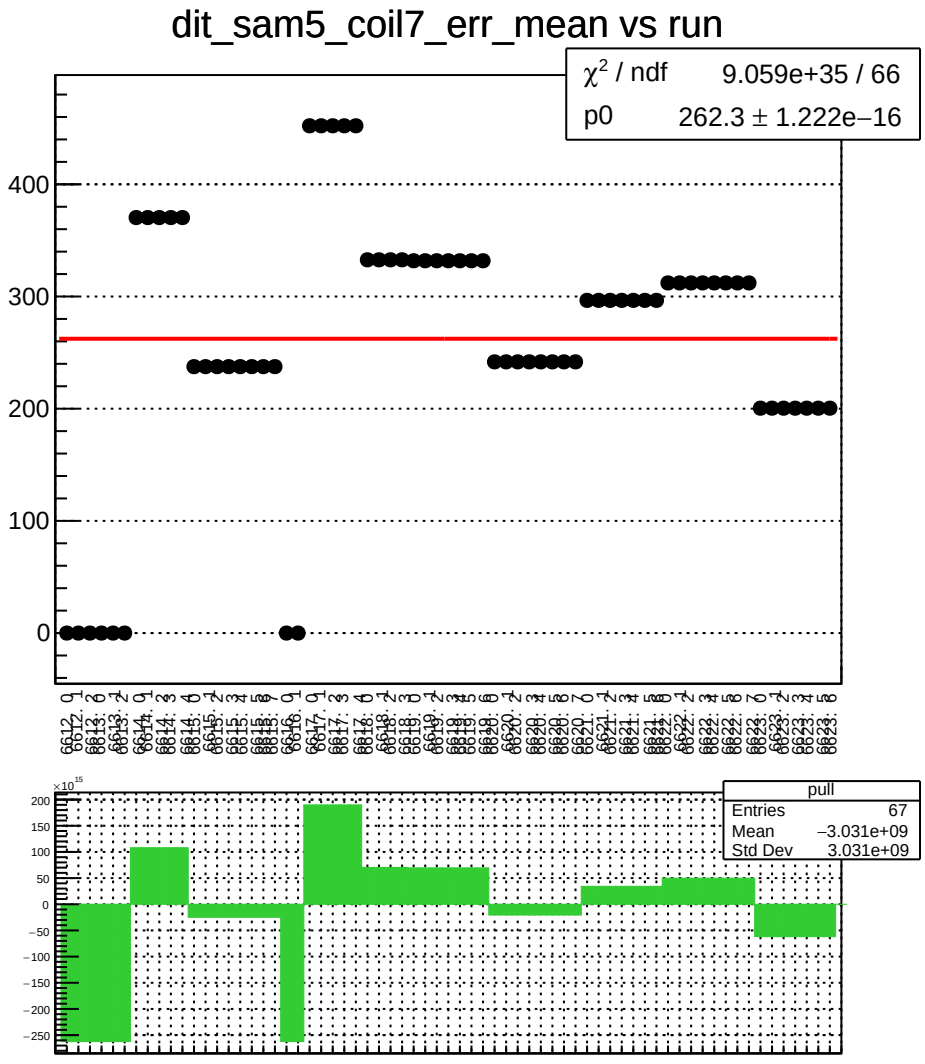

dit_sam4_coil7_err_mean vs run
χ² / ndf 5.434e+37 / 66
p0 1845 ± 1.222e−16
pull
Entries 67
Mean −1.197e+09
Std Dev 1.197e+09

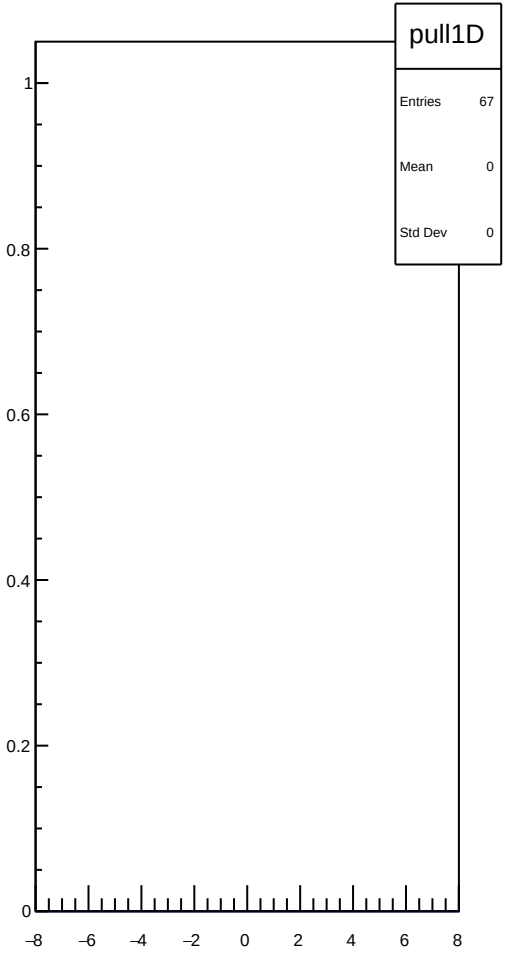

pull1D
Entries 67
Mean 0
Std Dev 0

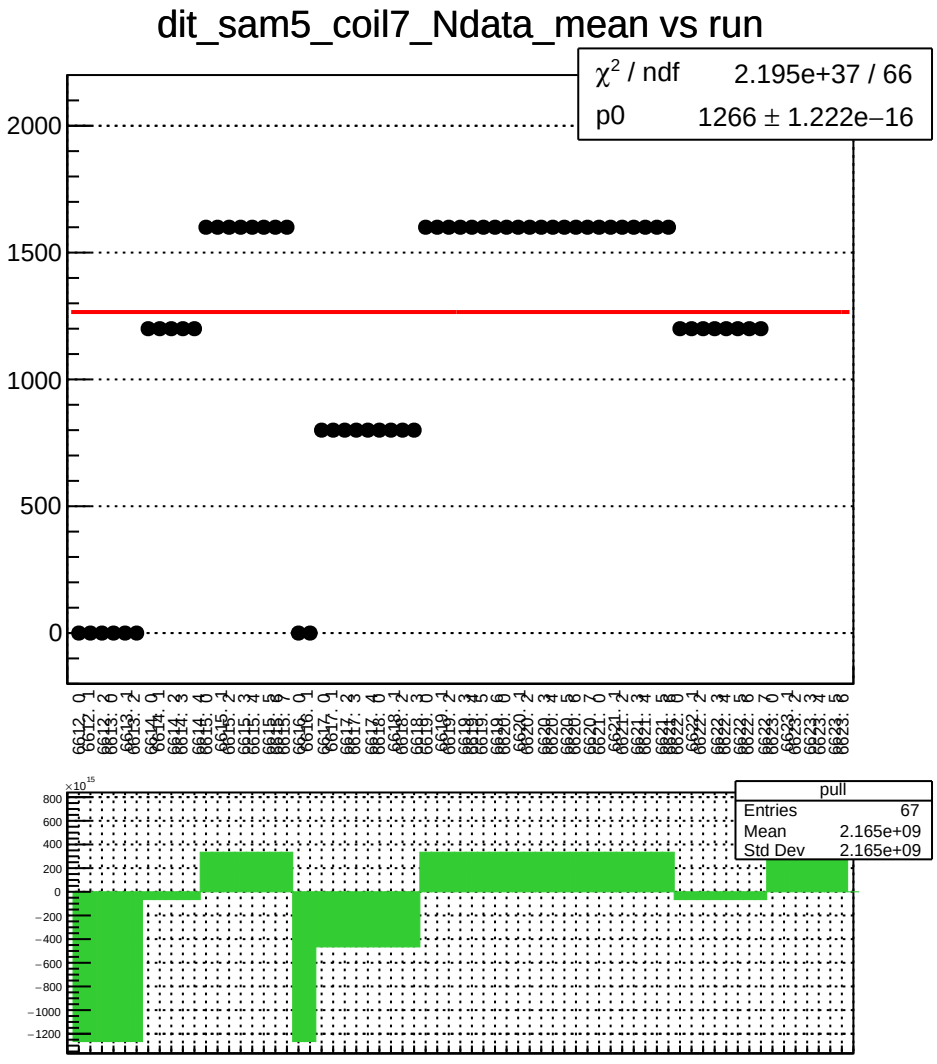

dit_sam4_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

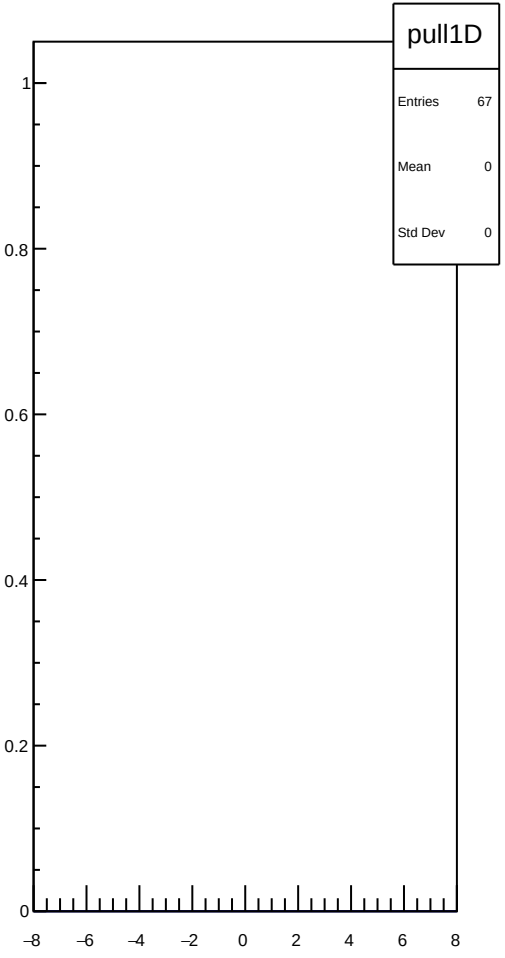

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

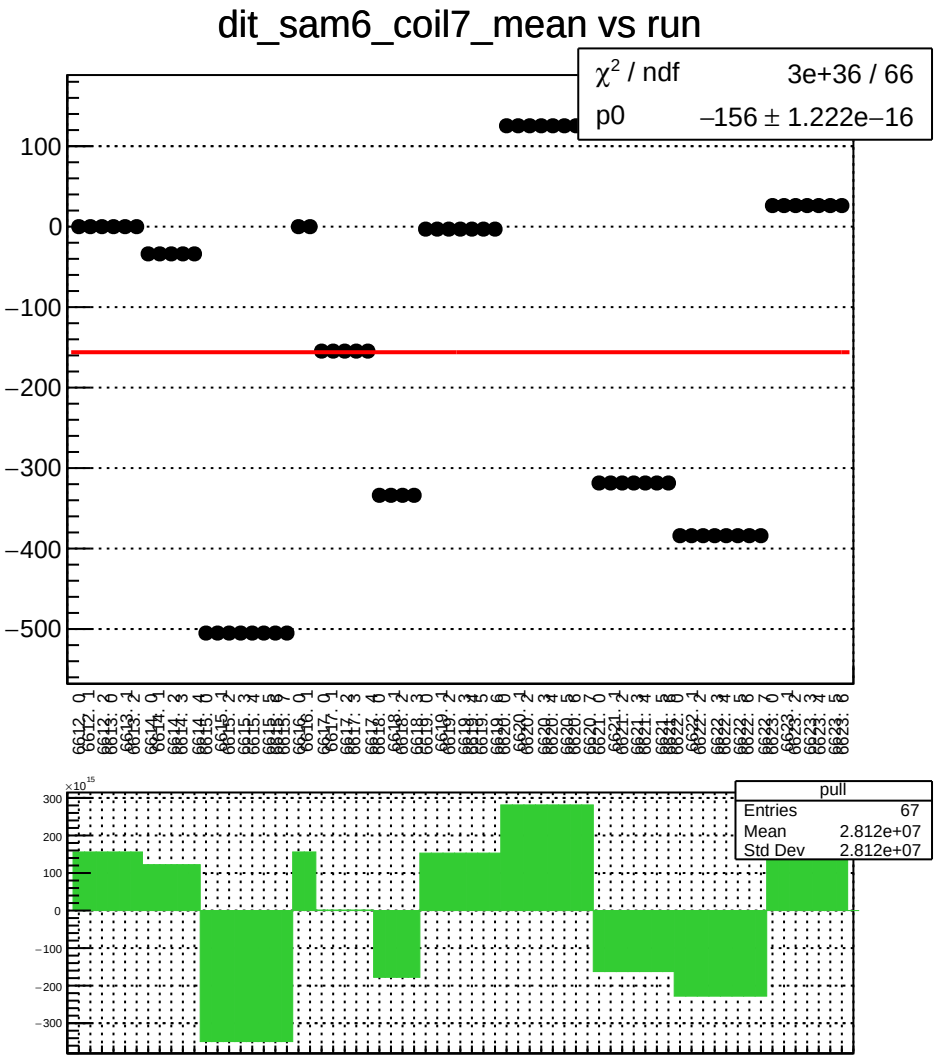

dit_sam5_coil7_mean vs run
χ² / ndf 2.233e+37 / 66
p0 −1514 ± 1.222e−16
0
−500
−1000
−1500
−2000
pull
Entries 67
Mean 1.71e+09
Std Dev 1.71e+09
×10^15
1600
1400
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

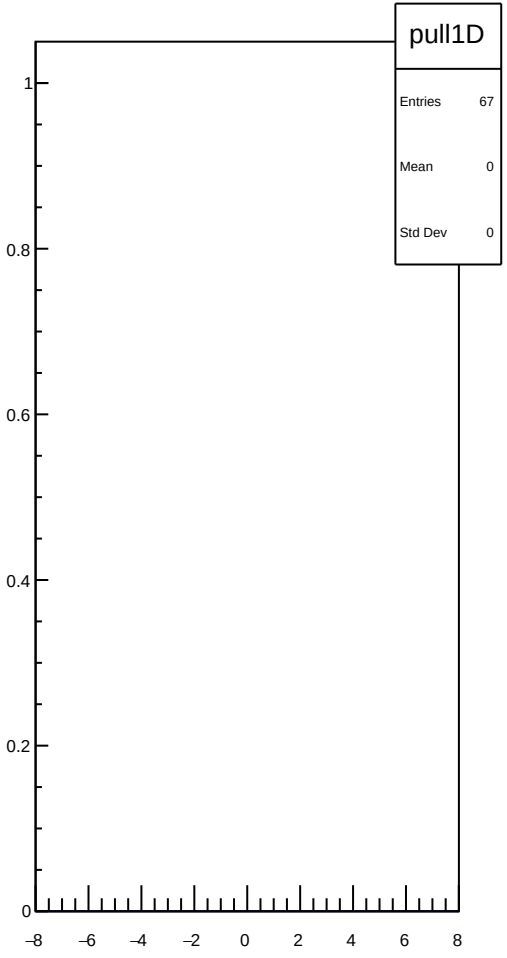

dit_sam5_coil7_err_mean vs run
χ² / ndf 9.059e+35 / 66
p0 262.3 ± 1.222e−16
400
300
200
100
0
pull
Entries 67
Mean −3.031e+09
Std Dev 3.031e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150
−200
−250

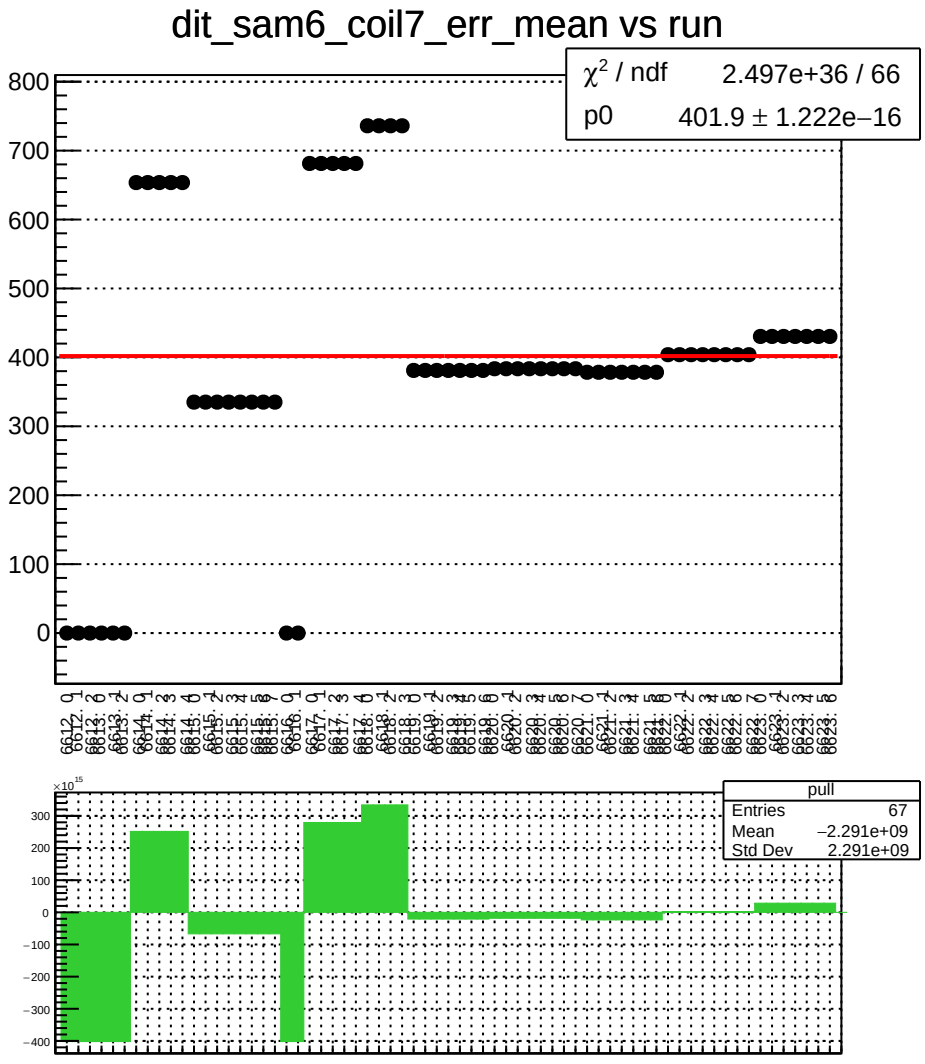

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

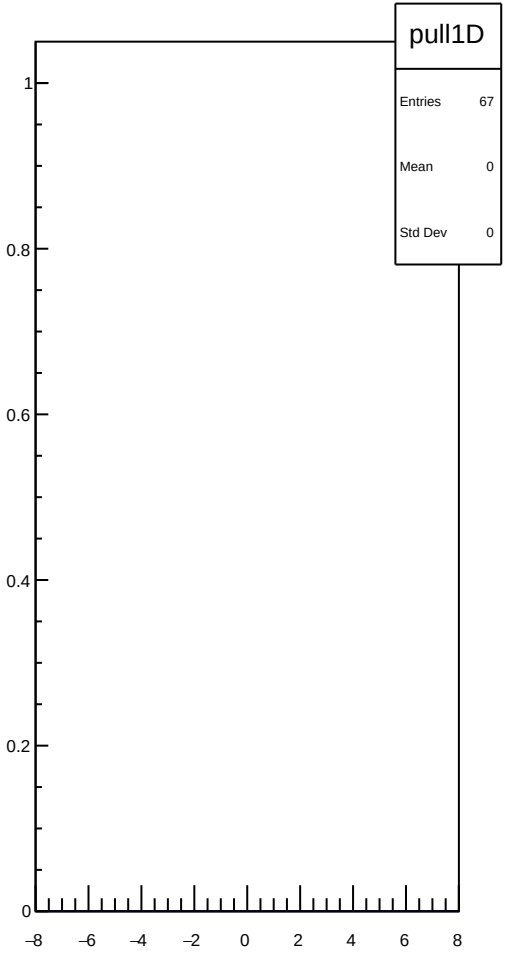

dit_sam5_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

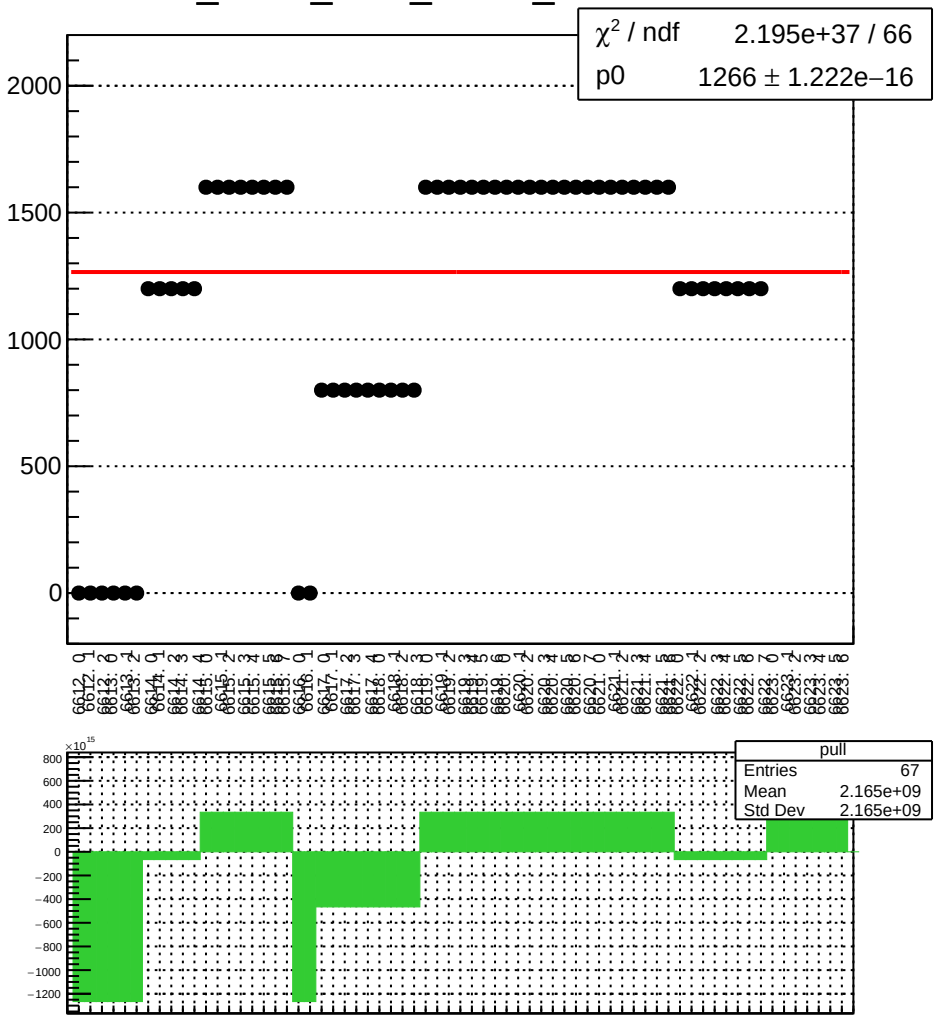

dit_sam6_coil7_mean vs run
χ² / ndf 3e+36 / 66
p0 −156 ± 1.222e−16
100
0
−100
−200
−300
−400
−500
pull
Entries 67
Mean 2.812e+07
Std Dev 2.812e+07
×10¹⁵
300
200
100
0
−100
−200
−300

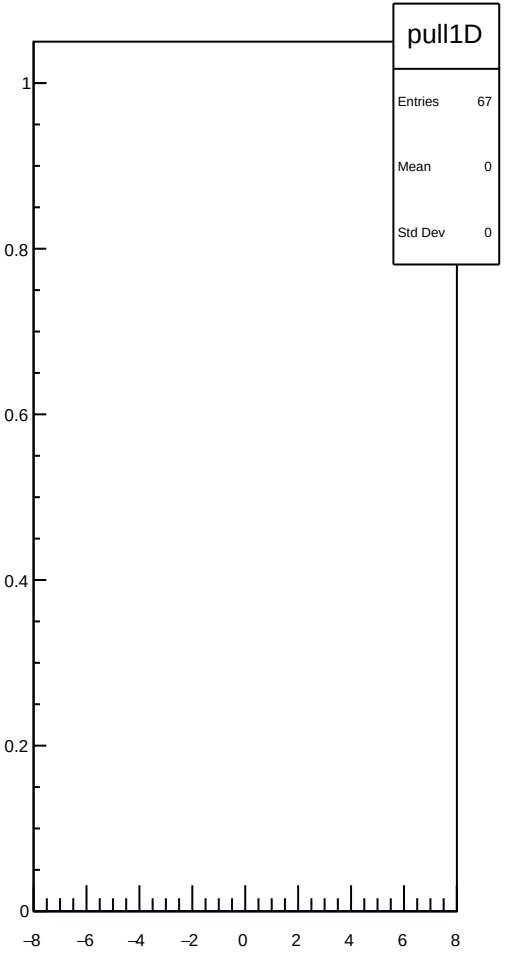

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

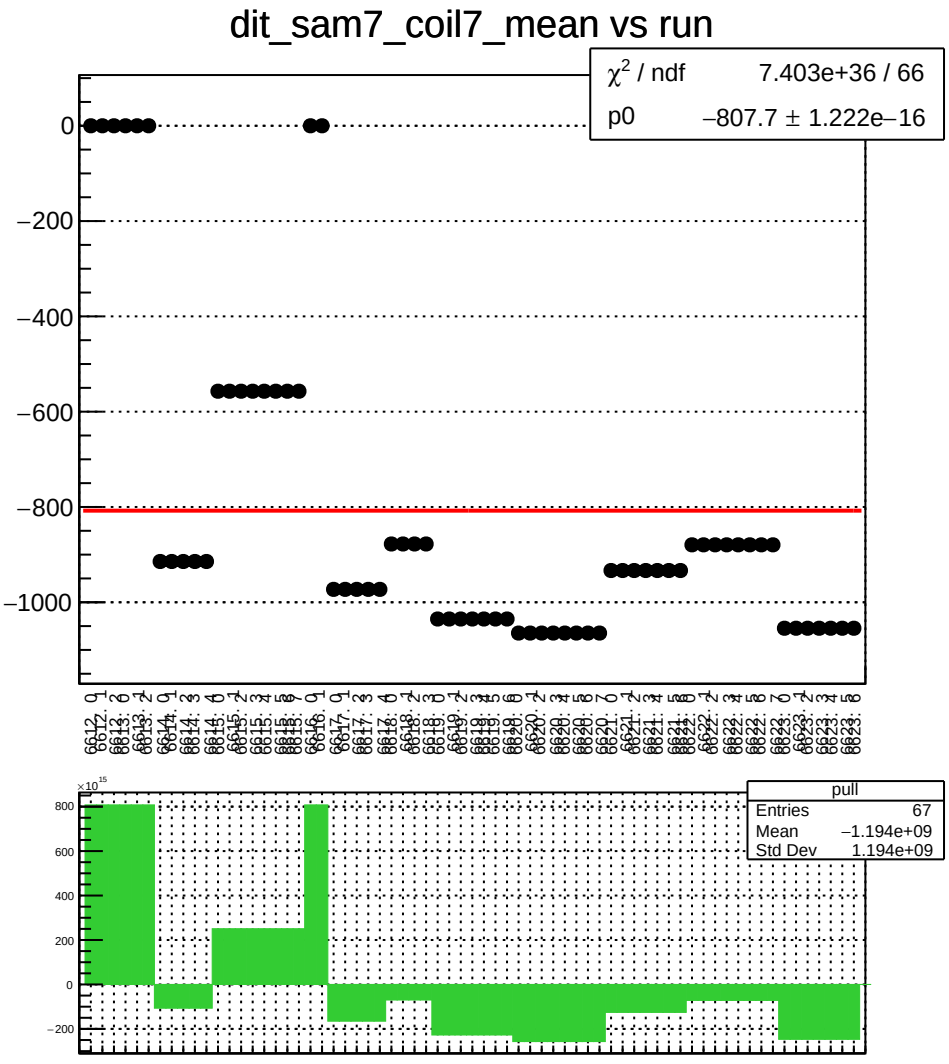

dit_sam6_coil7_err_mean vs run
χ² / ndf 2.497e+36 / 66
p0 401.9 ± 1.222e−16
pull
Entries 67
Mean −2.291e+09
Std Dev 2.291e+09

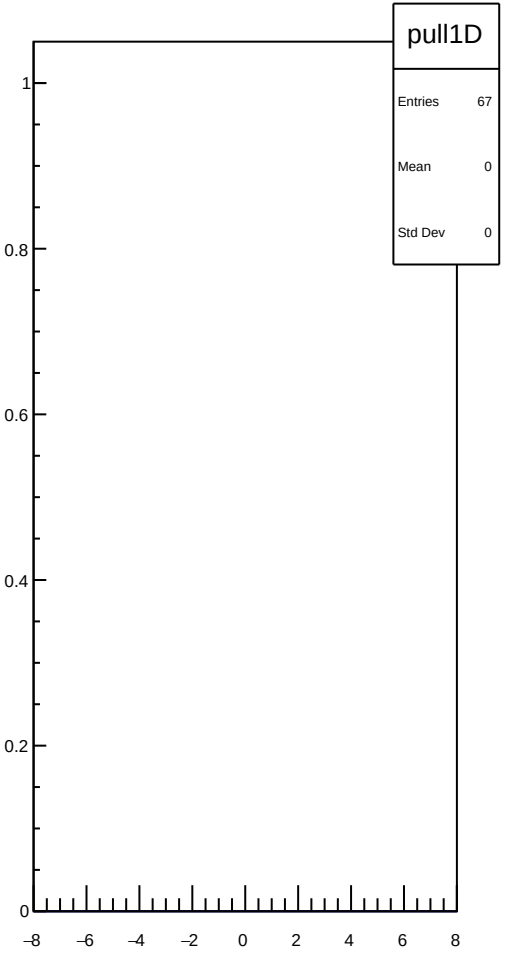

pull1D
Entries 67
Mean 0
Std Dev 0

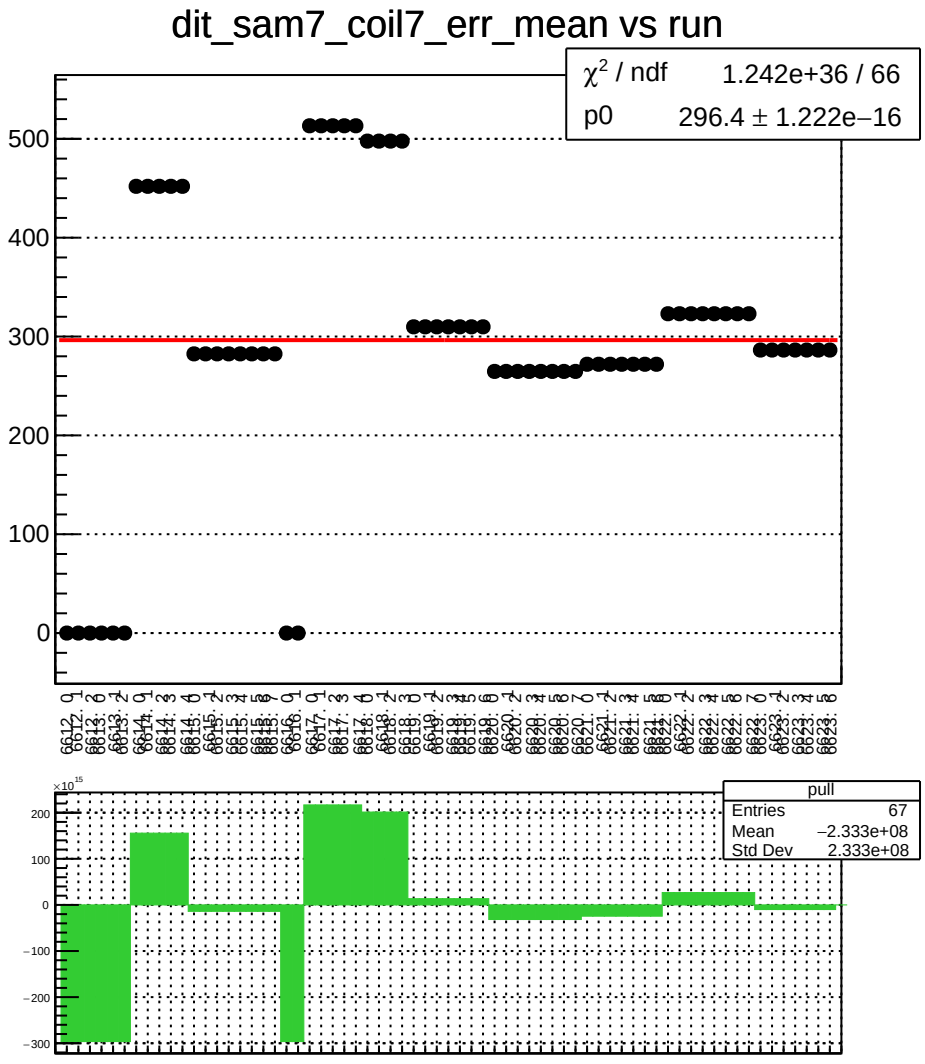
dit_sam6_coil7_Ndata_mean vs run

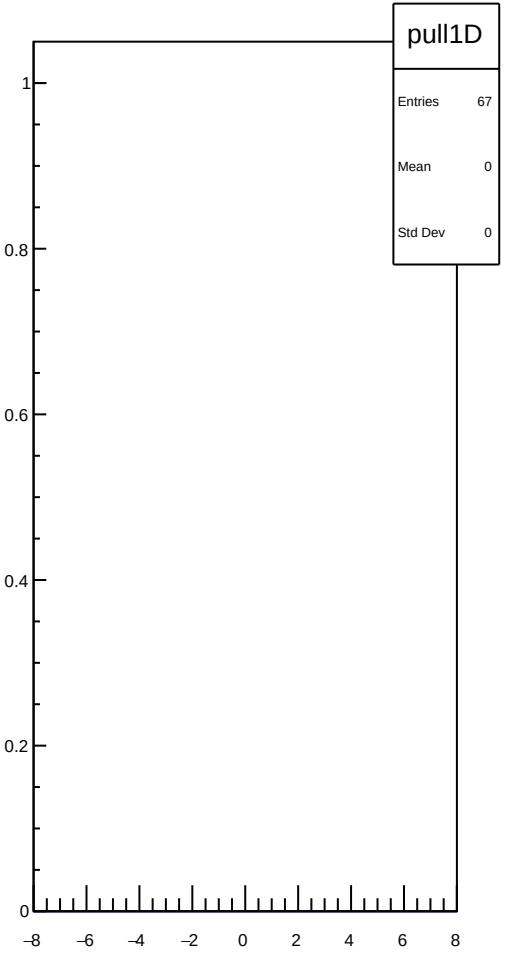


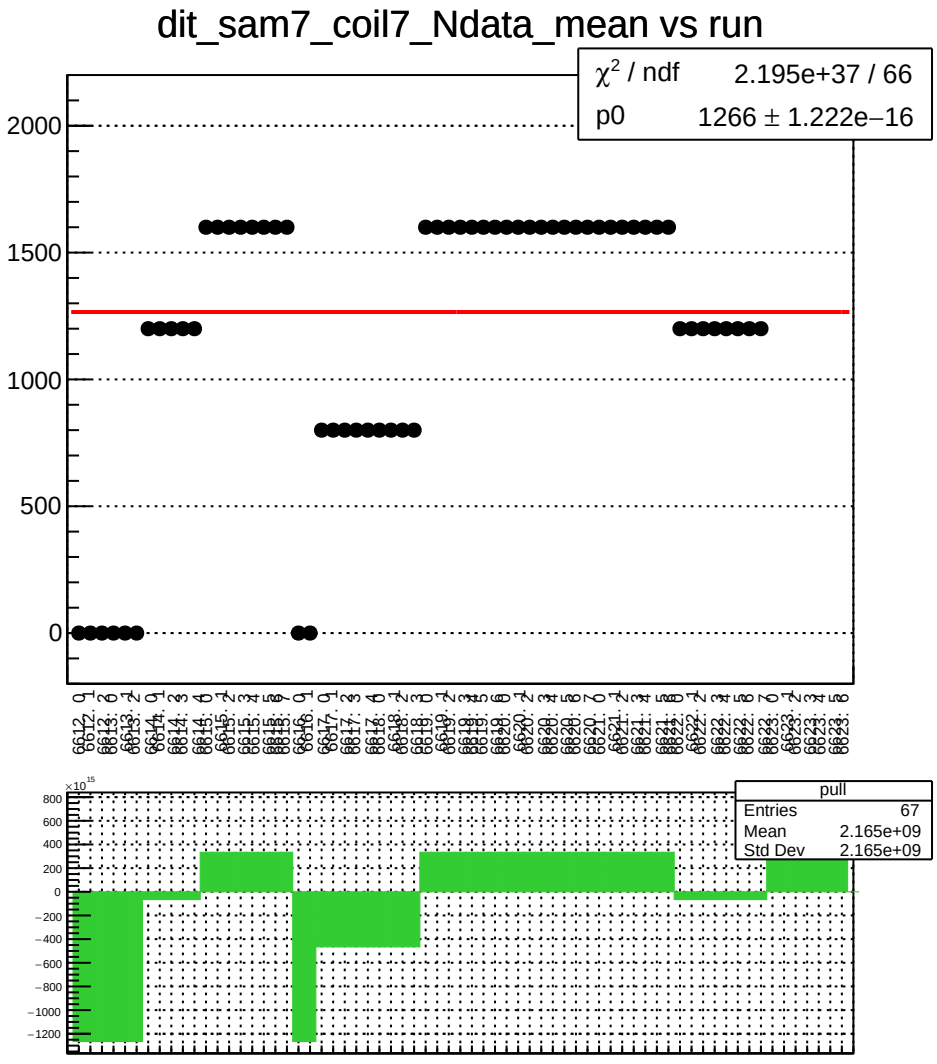


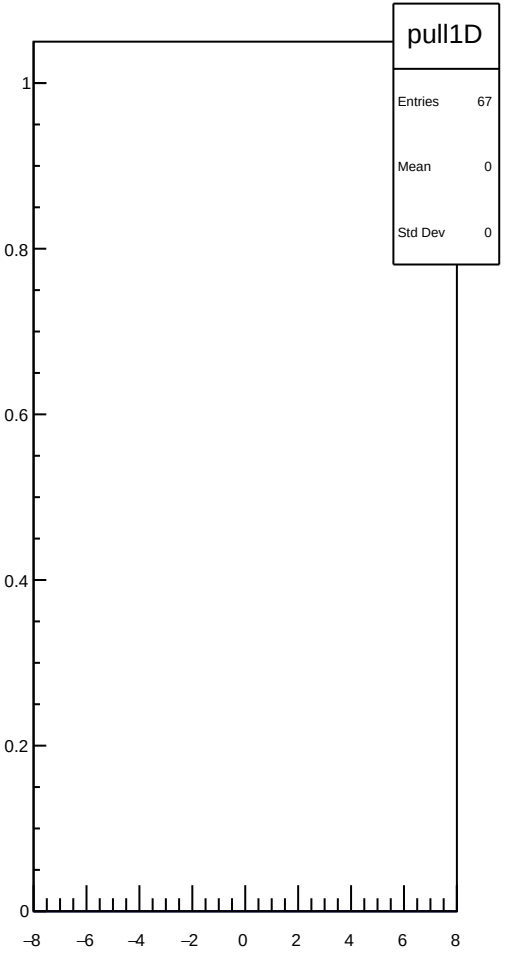

dit_sam7_coil7_mean vs run
χ² / ndf 7.403e+36 / 66
p0 −807.7 ± 1.222e−16
0
−200
−400
−600
−800
−1000
pull
Entries 67
Mean −1.194e+09
Std Dev 1.194e+09
×10¹⁵
800
600
400
200
0
−200

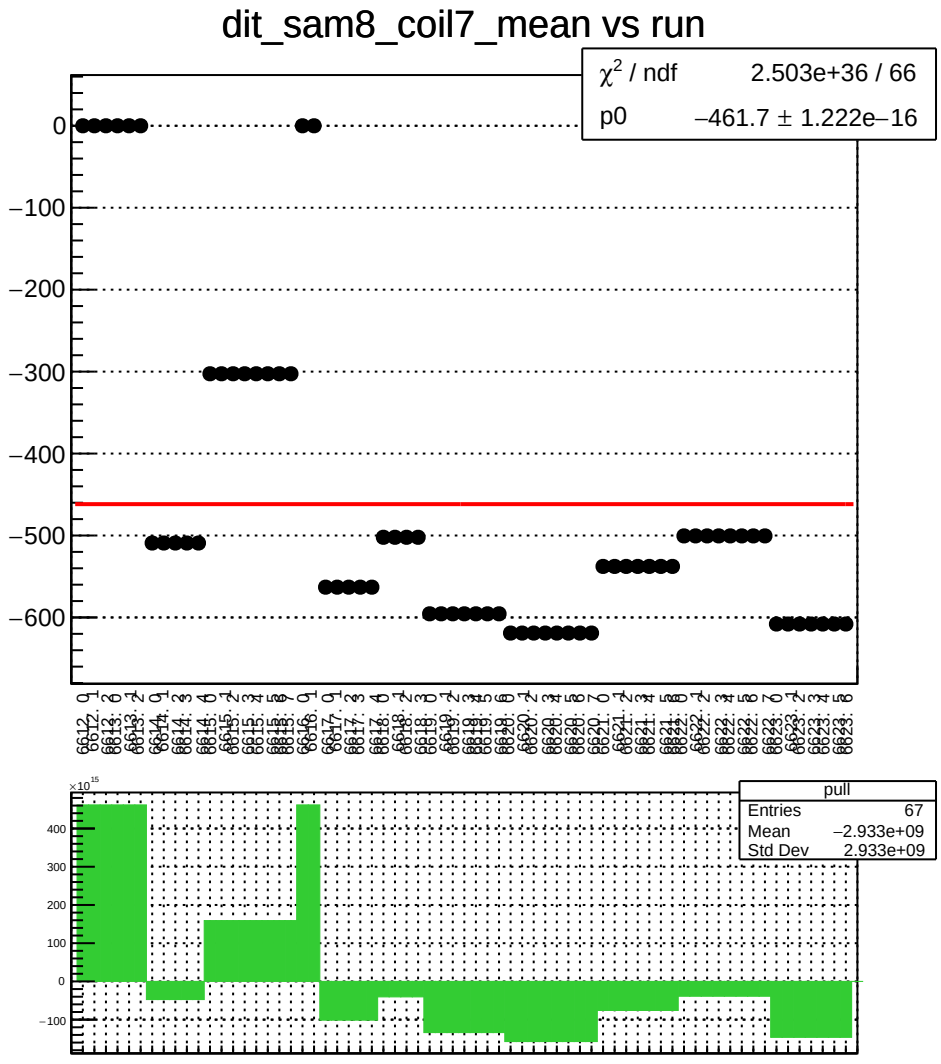

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

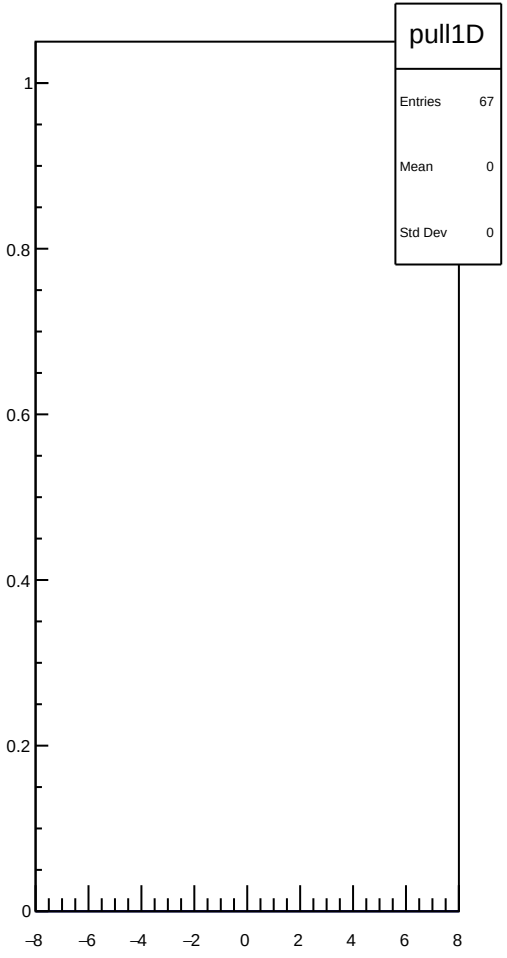

dit_sam7_coil7_err_mean vs run
χ^2 / ndf 1.242e+36 / 66
p0 296.4 ± 1.222e−16
pull
Entries 67
Mean −2.333e+08
Std Dev 2.333e+08

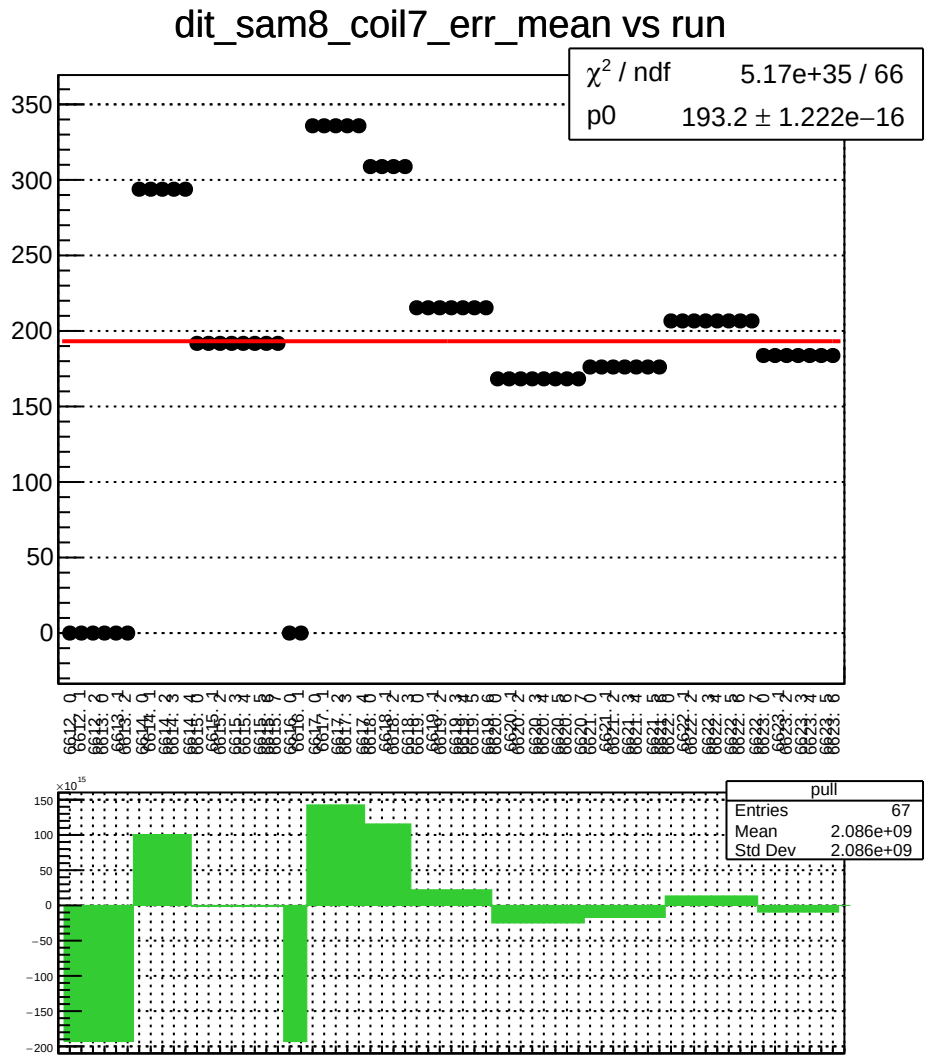

pull1D
Entries 67
Mean 0
Std Dev 0

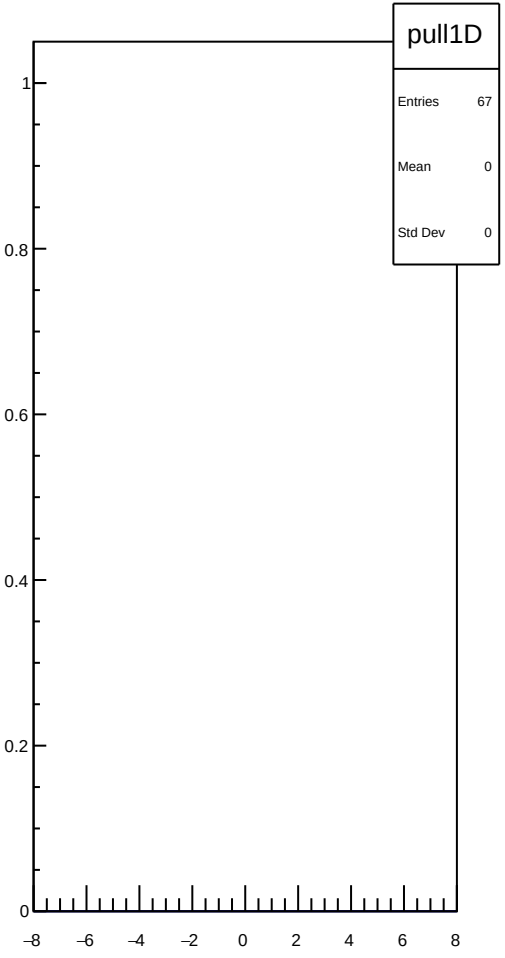

dit_sam7_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

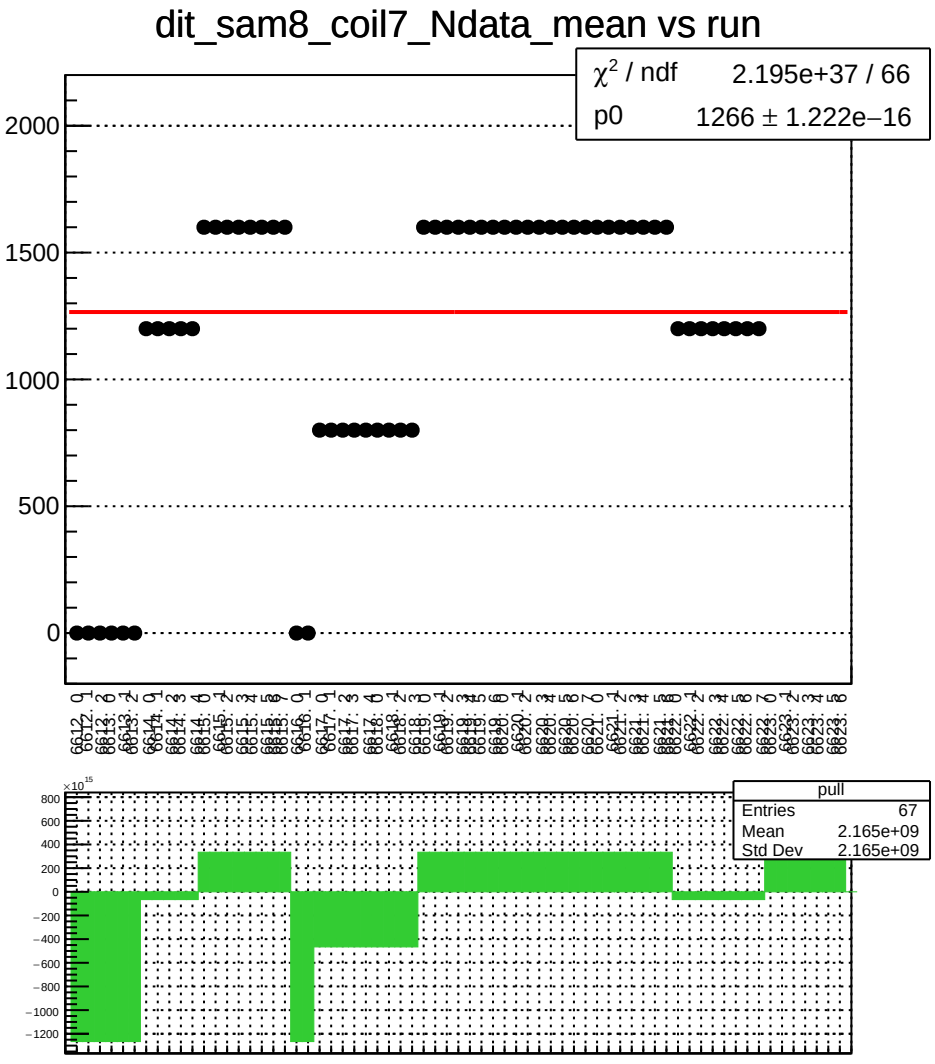

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

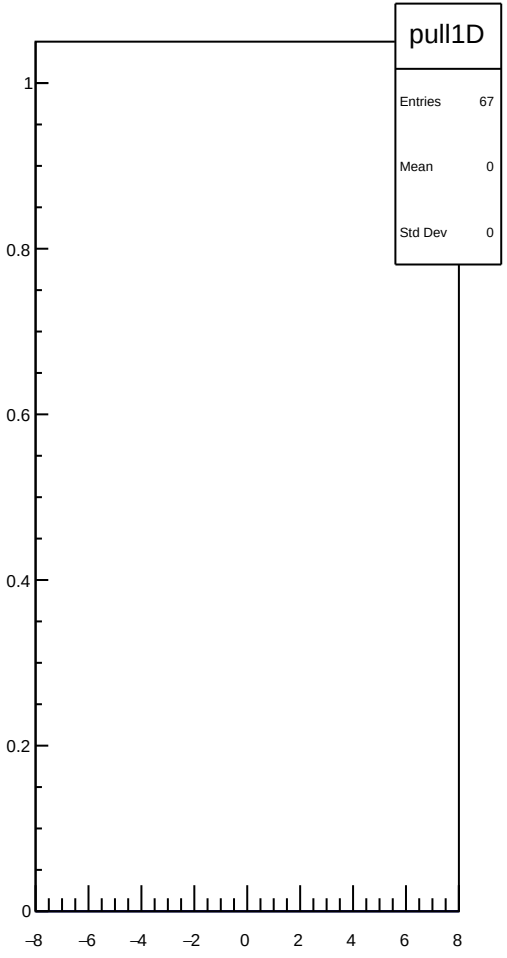

dit_sam8_coil7_mean vs run
χ² / ndf 2.503e+36 / 66
p0 −461.7 ± 1.222e−16
0
−100
−200
−300
−400
−500
−600
pull
Entries 67
Mean −2.933e+09
Std Dev 2.933e+09
×10¹⁵
400
300
200
100
0
−100


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

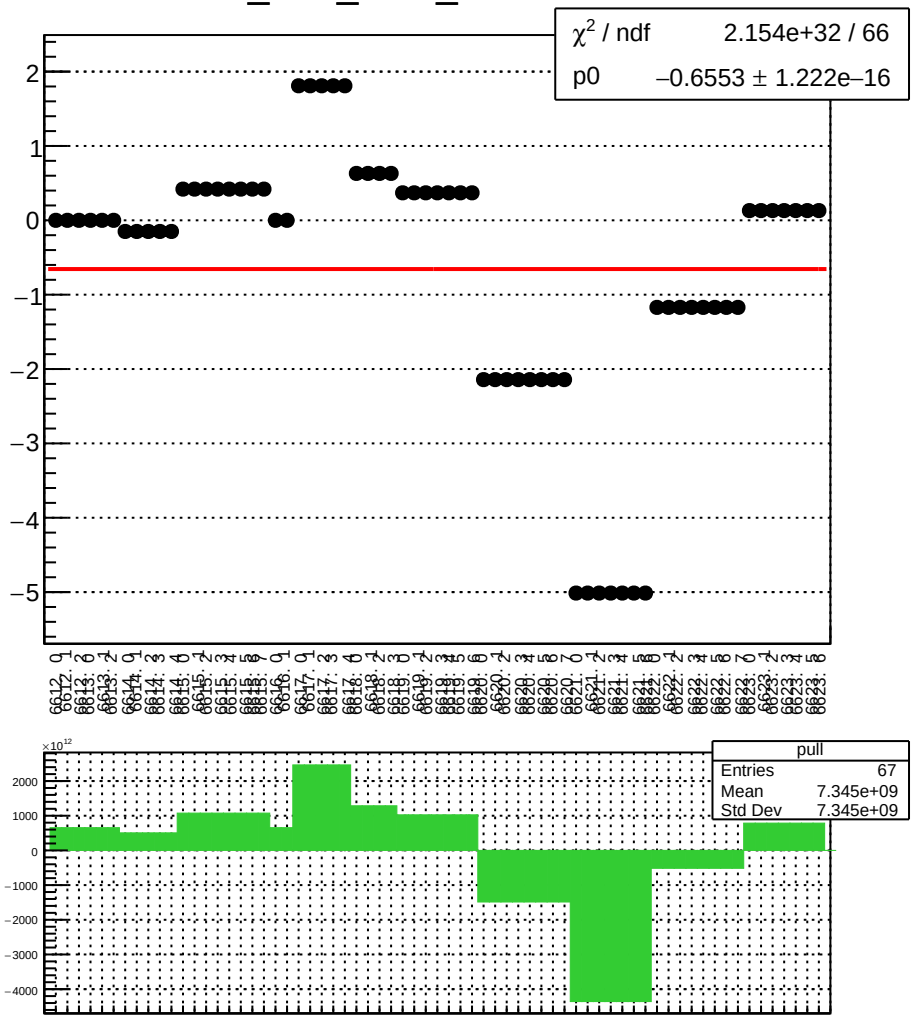

dit_sam8_coil7_err_mean vs run
χ² / ndf 5.17e+35 / 66
p0 193.2 ± 1.222e−16
pull
Entries 67
Mean 2.086e+09
Std Dev 2.086e+09

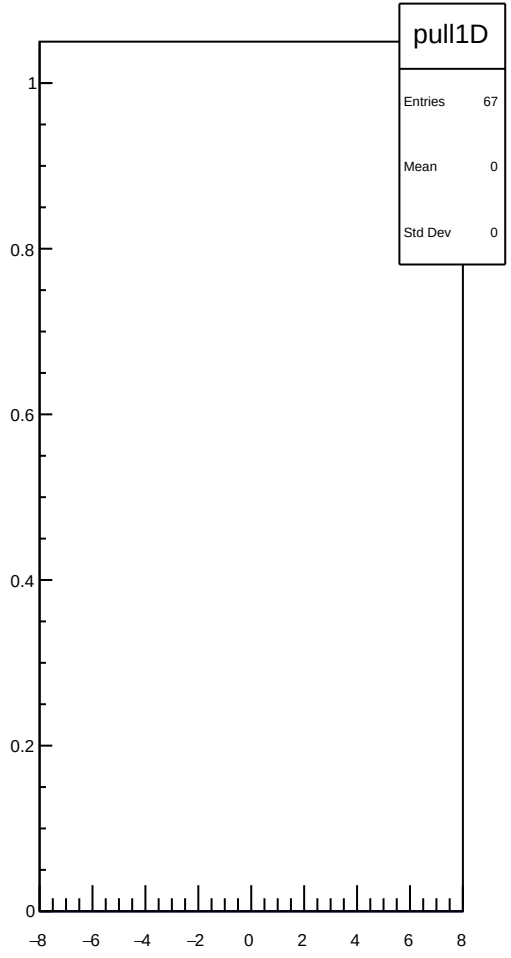

pull1D
Entries 67
Mean 0
Std Dev 0

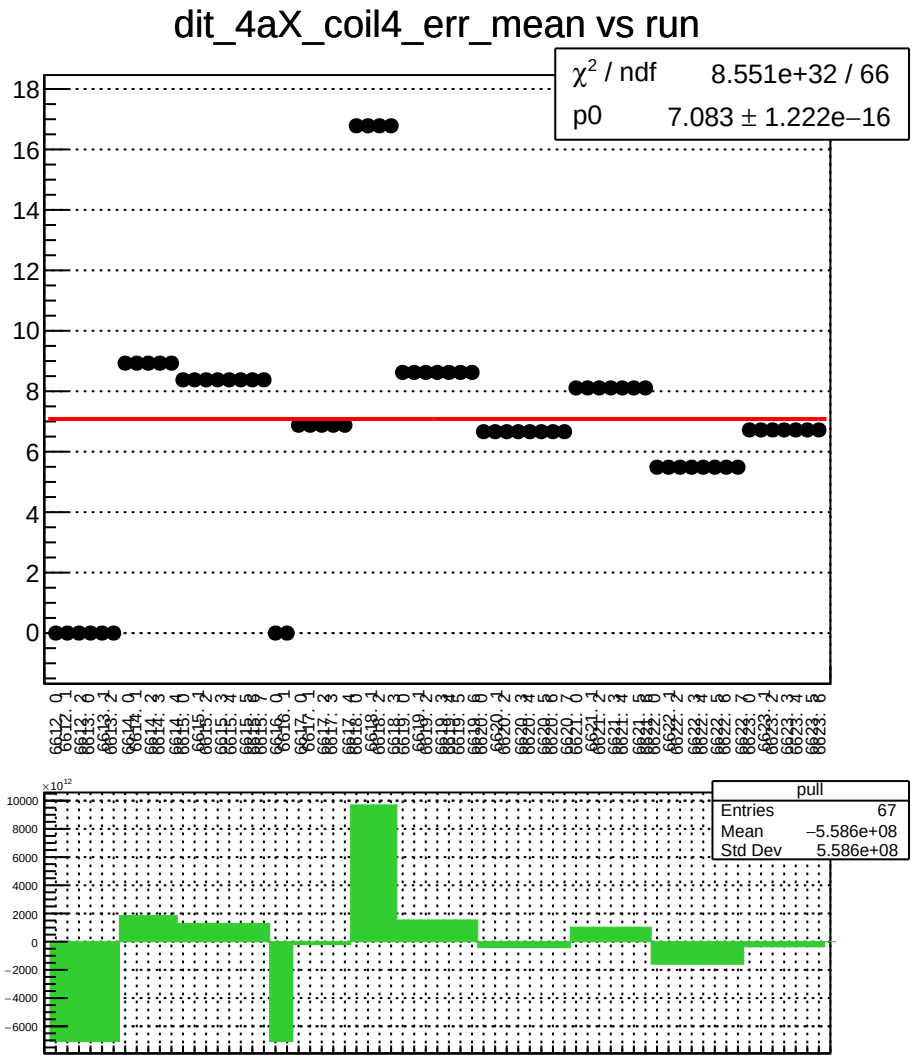

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 2.195e+37 / 66
p0 1266 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean 2.165e+09
Std Dev 2.165e+09
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

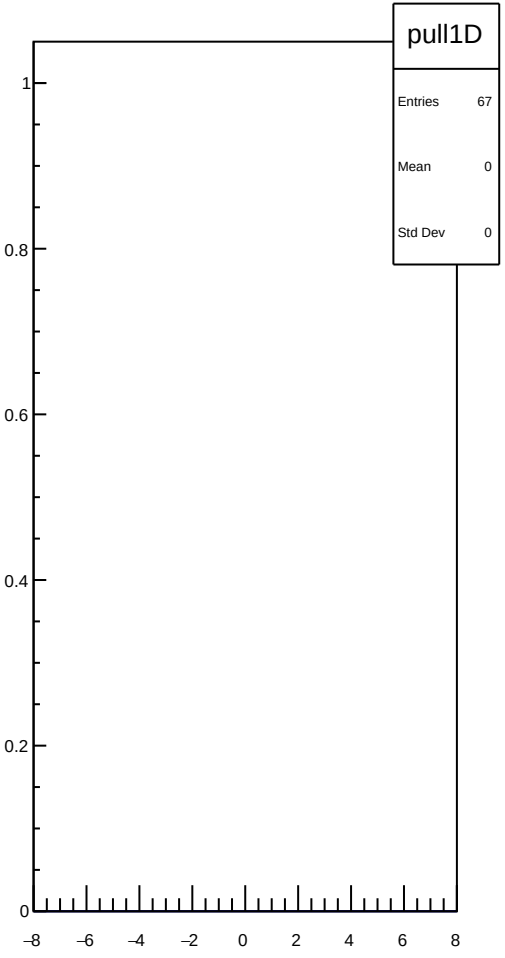

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil4_mean vs run

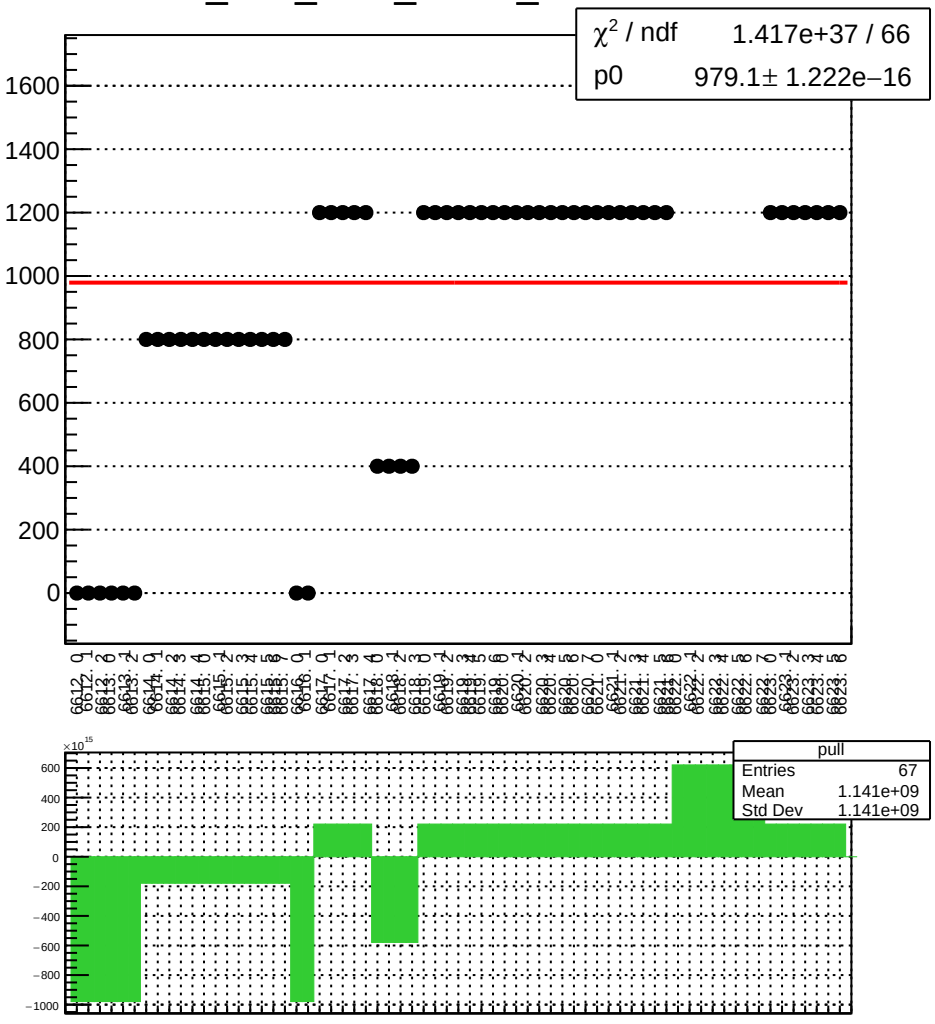


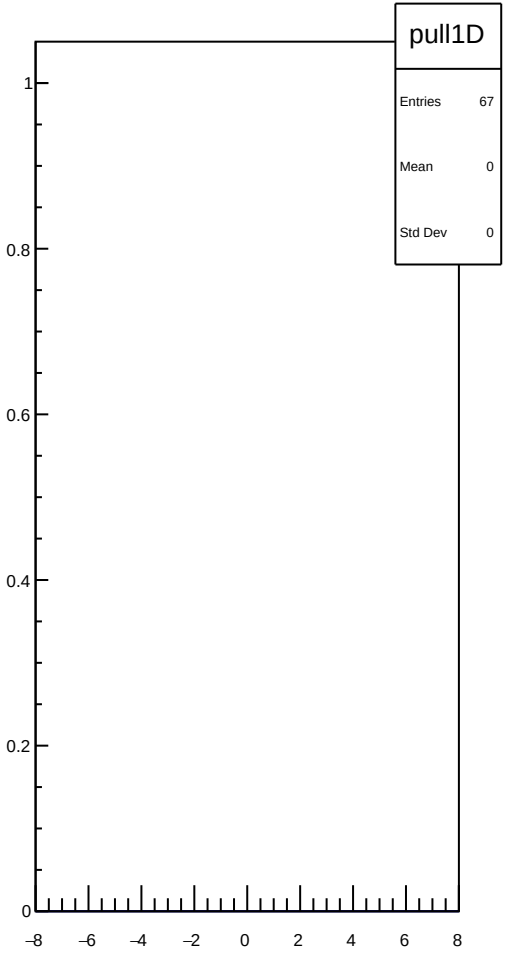


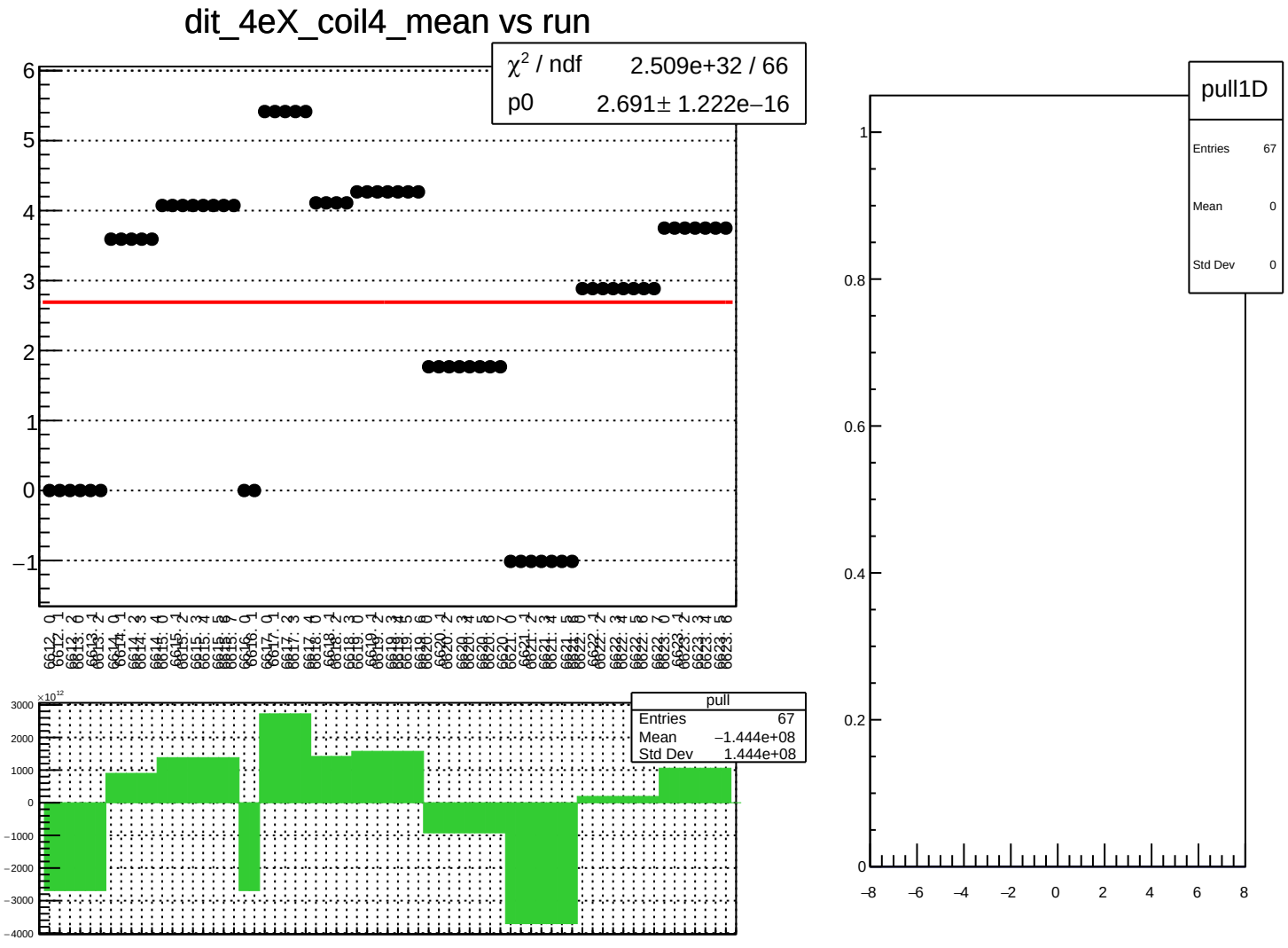

dit_4aX_coil4_err_mean vs run
χ² / ndf 8.551e+32 / 66
p0 7.083 ± 1.222e−16
pull
Entries 67
Mean −5.586e+08
Std Dev 5.586e+08


pull1D
Entries 67
Mean 0
Std Dev 0

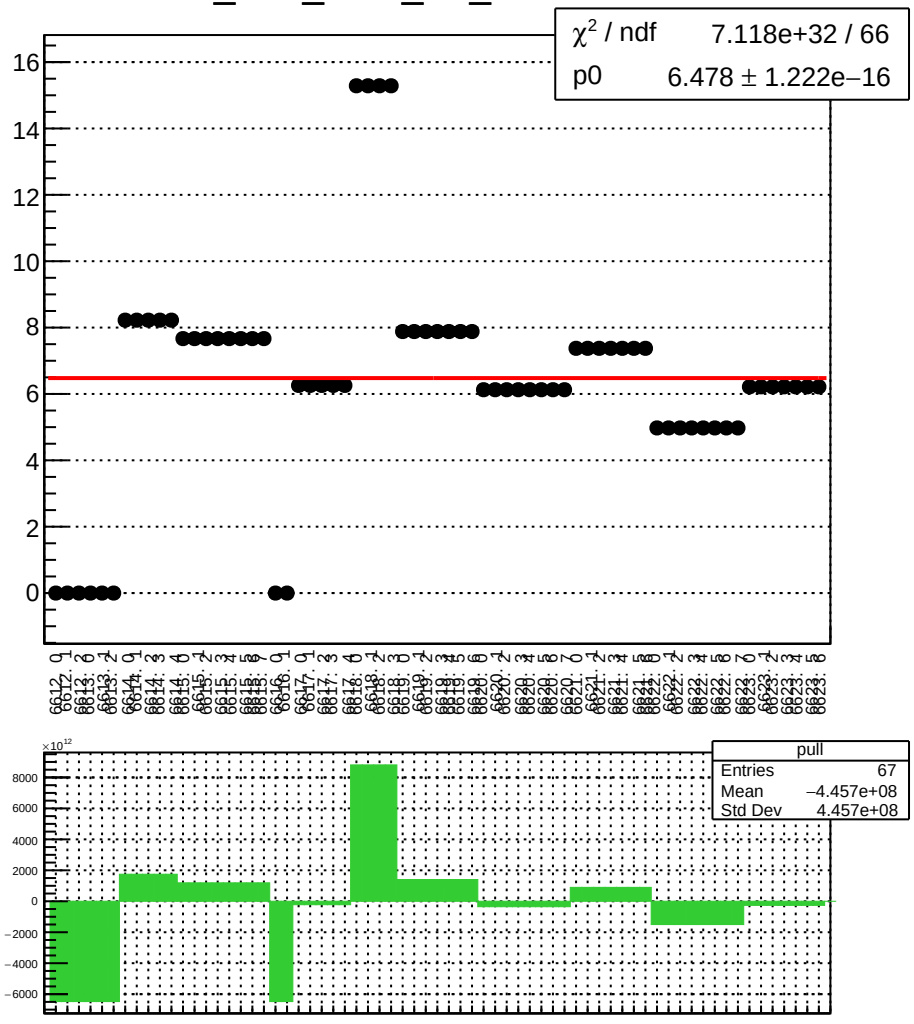
dit_4aX_coil4_Ndata_mean vs run

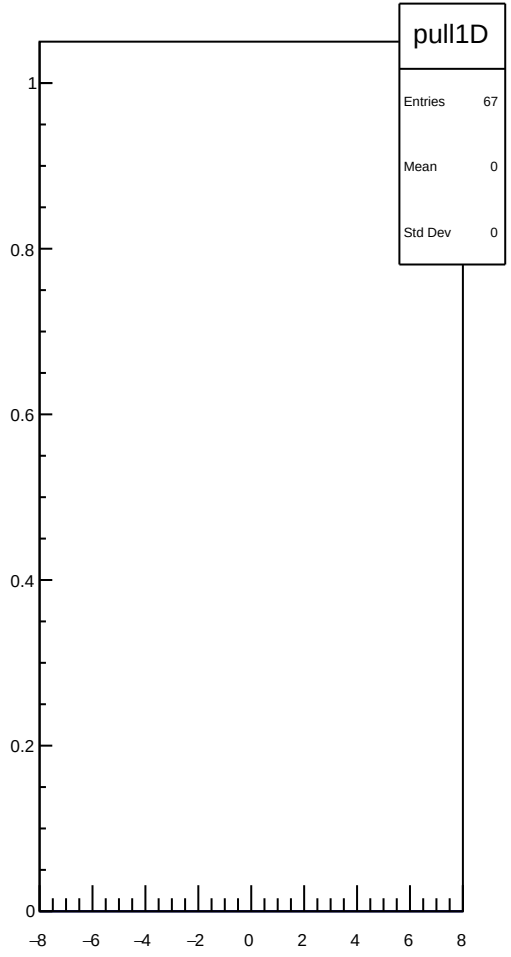




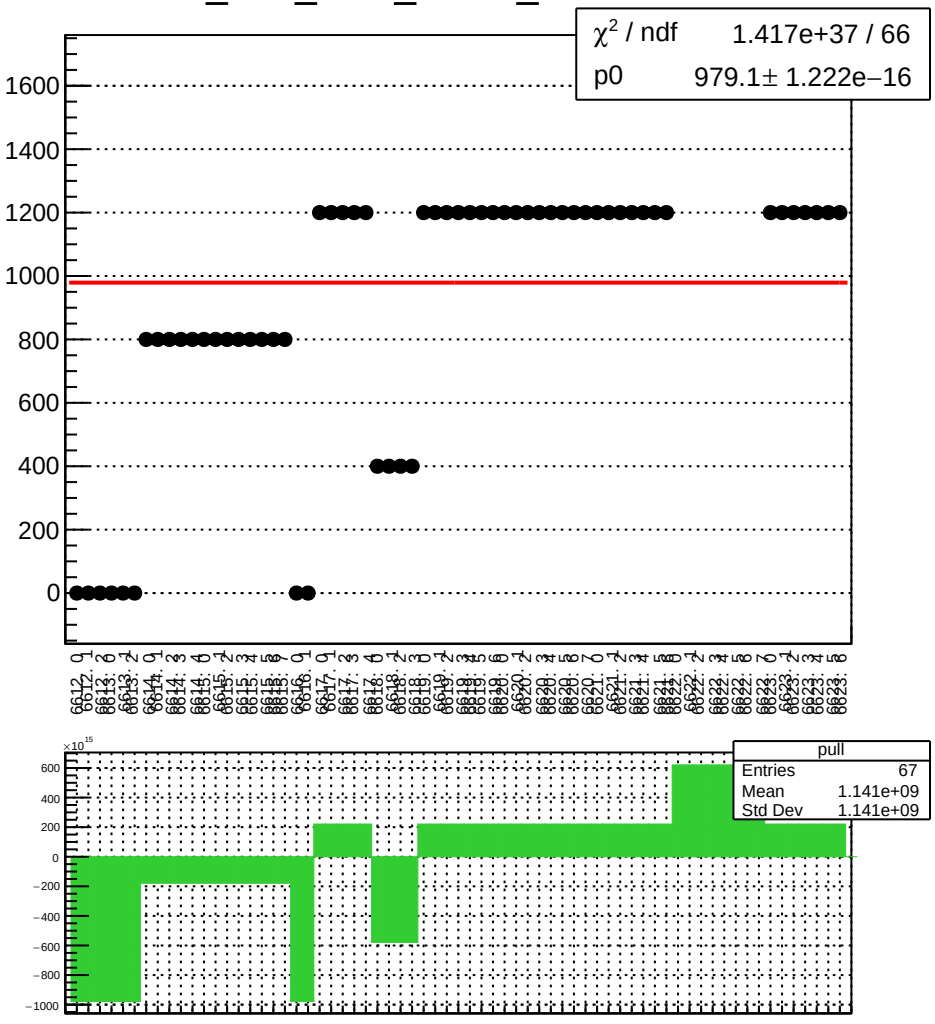

dit_4eX_coil4_mean vs run
χ² / ndf 2.509e+32 / 66
p0 2.691± 1.222e−16
pull
Entries 67
Mean −1.444e+08
Std Dev 1.444e+08
pull1D
Entries 67
Mean 0
Std Dev 0

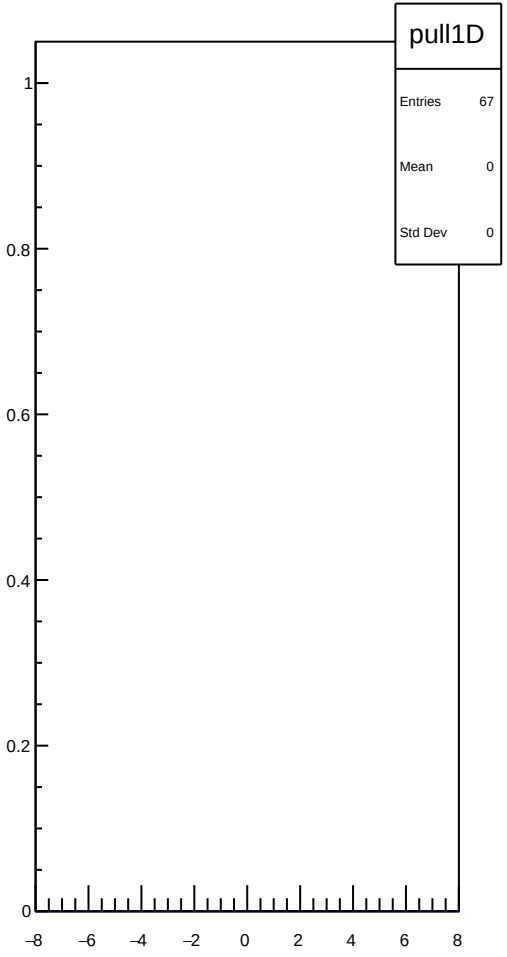
dit_4eX_coil4_err_mean vs run



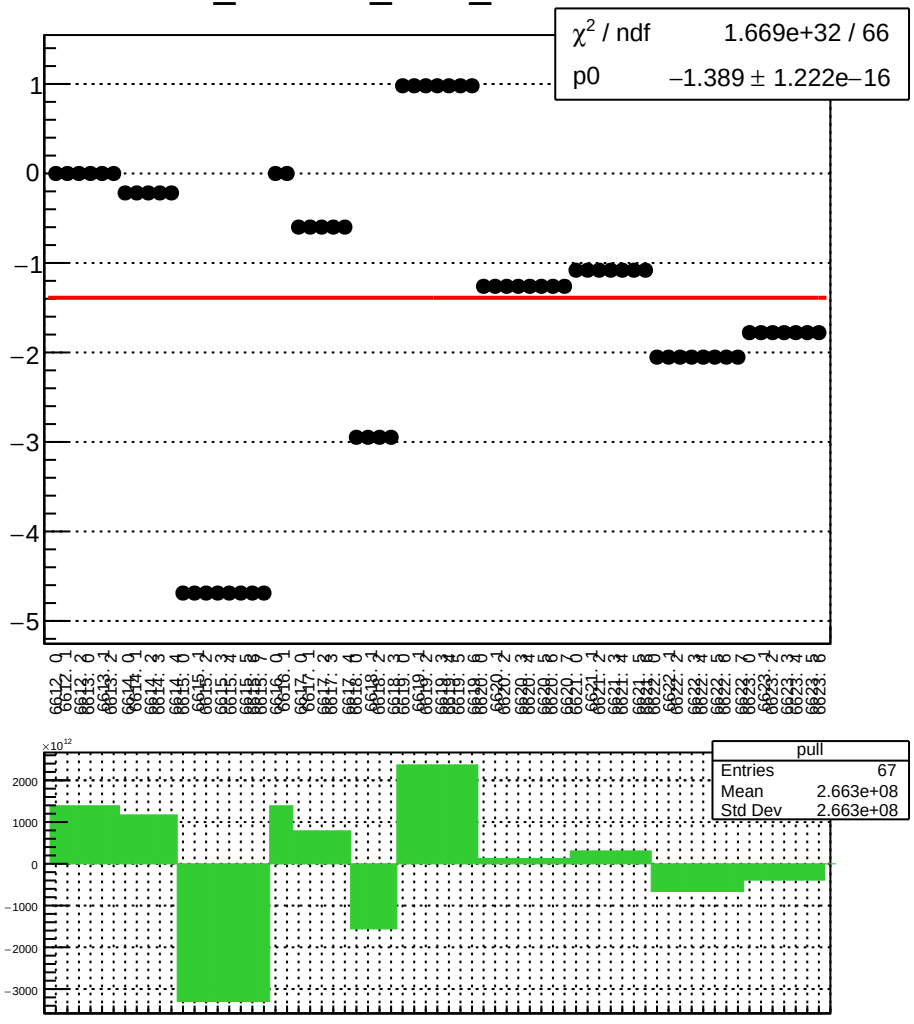


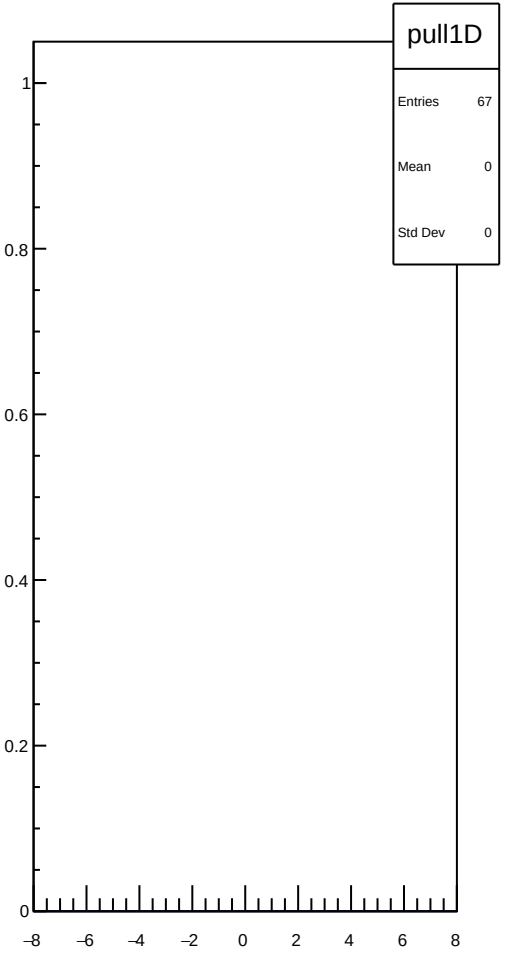
dit_4eX_coil4_Ndata_mean vs run



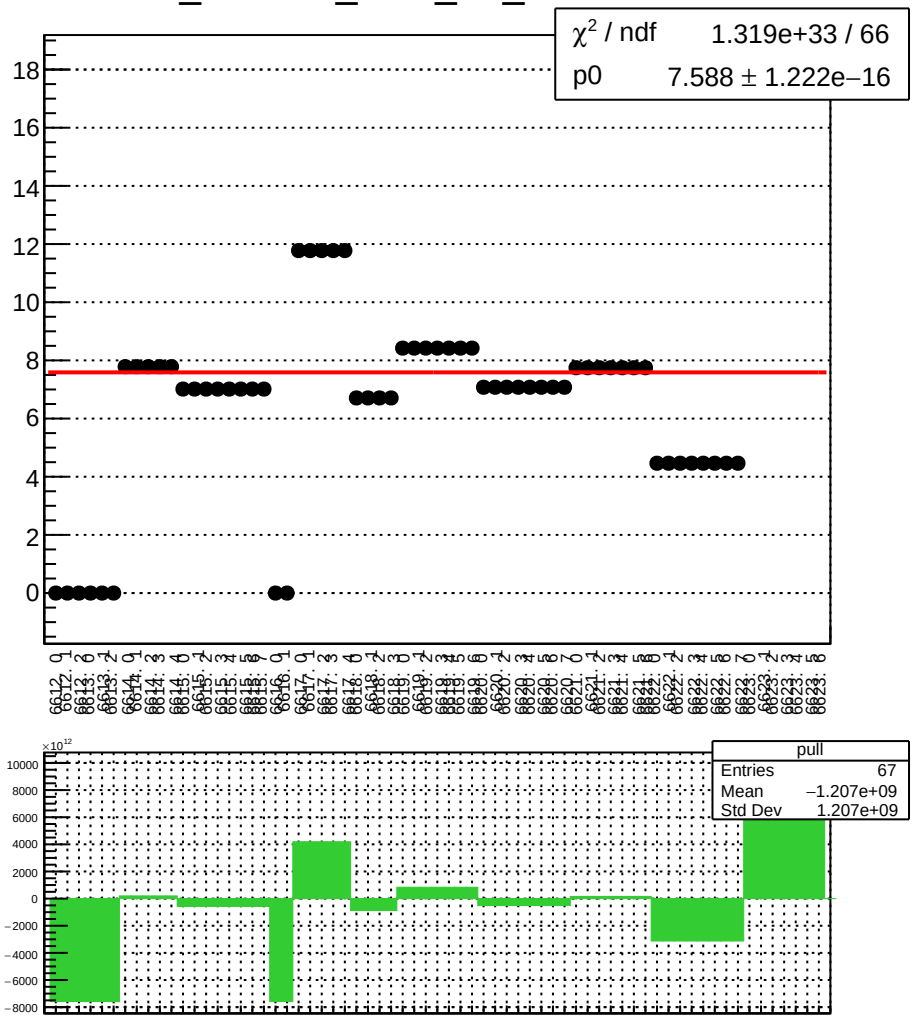


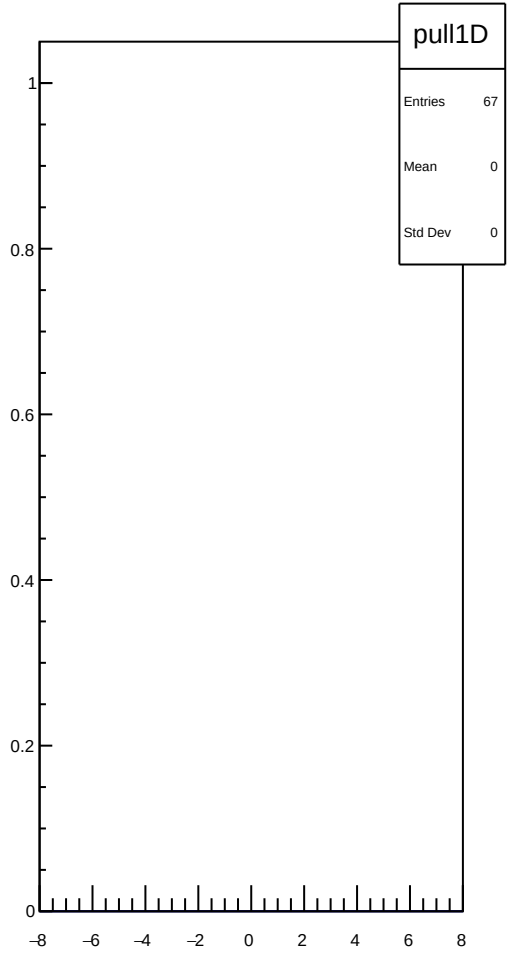
dit_11X12X_coil4_mean vs run



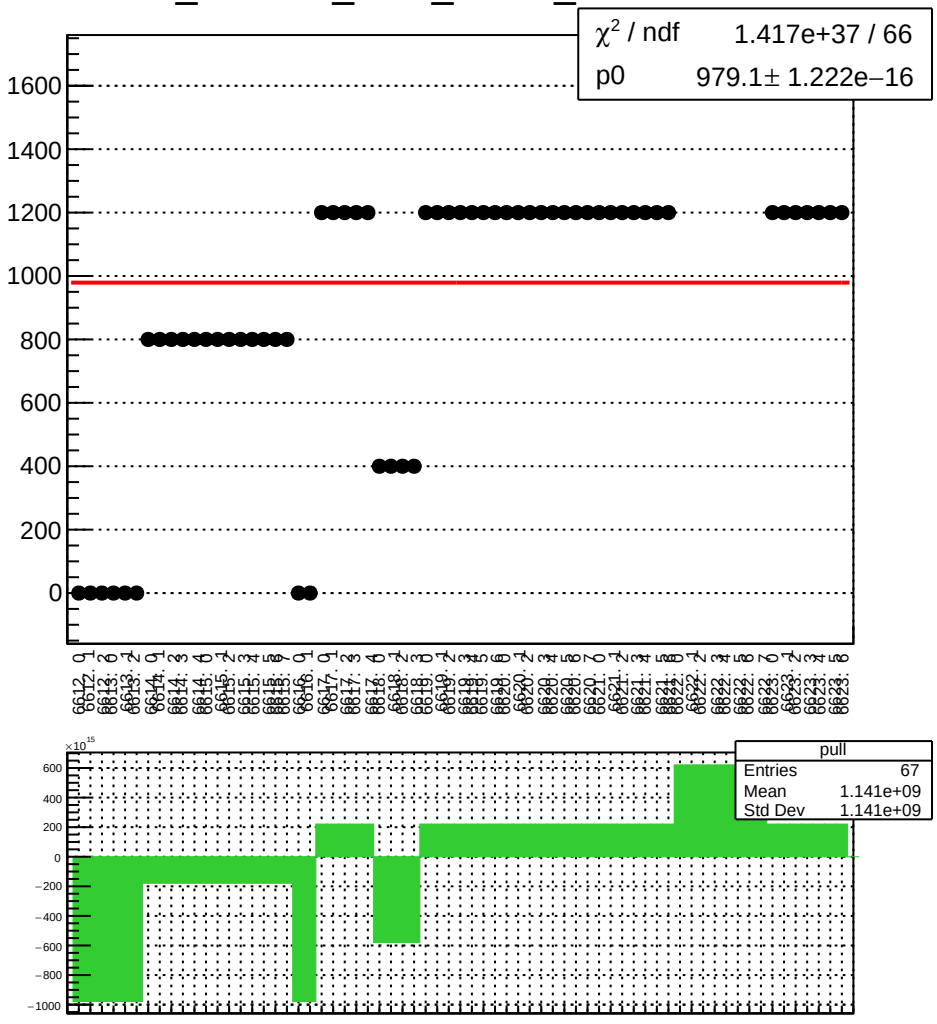


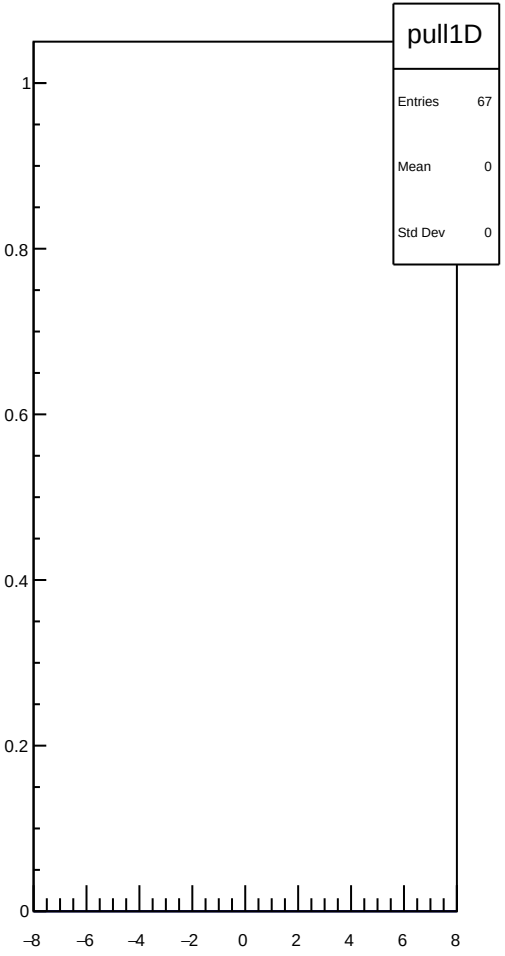
dit_11X12X_coil4_err_mean vs run

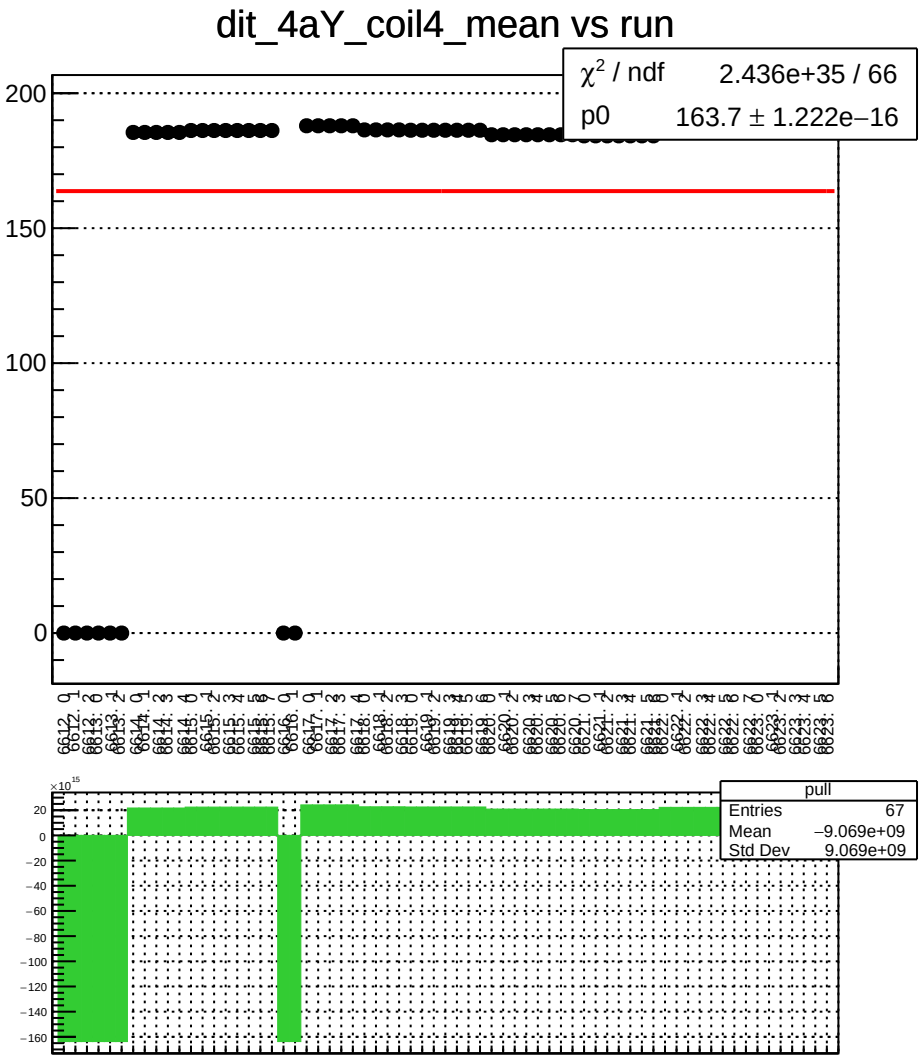


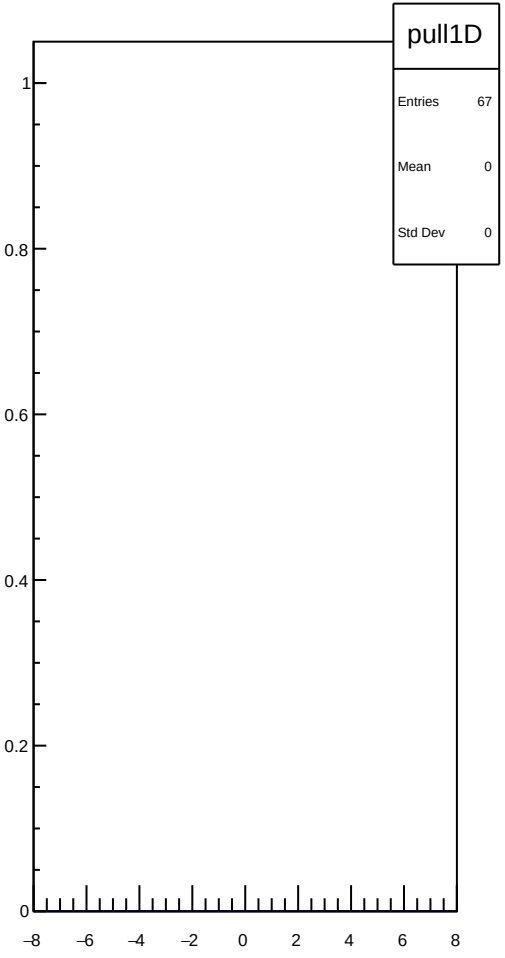


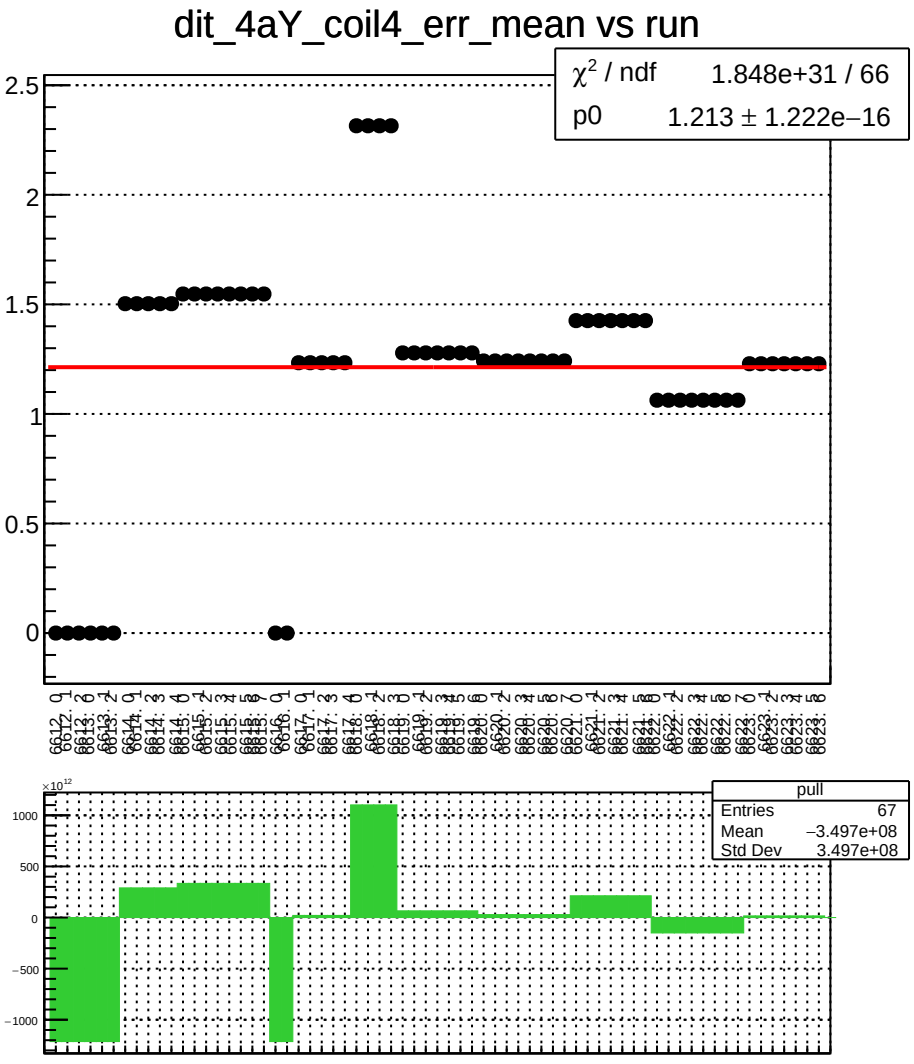
dit_11X12X_coil4_Ndata_mean vs run

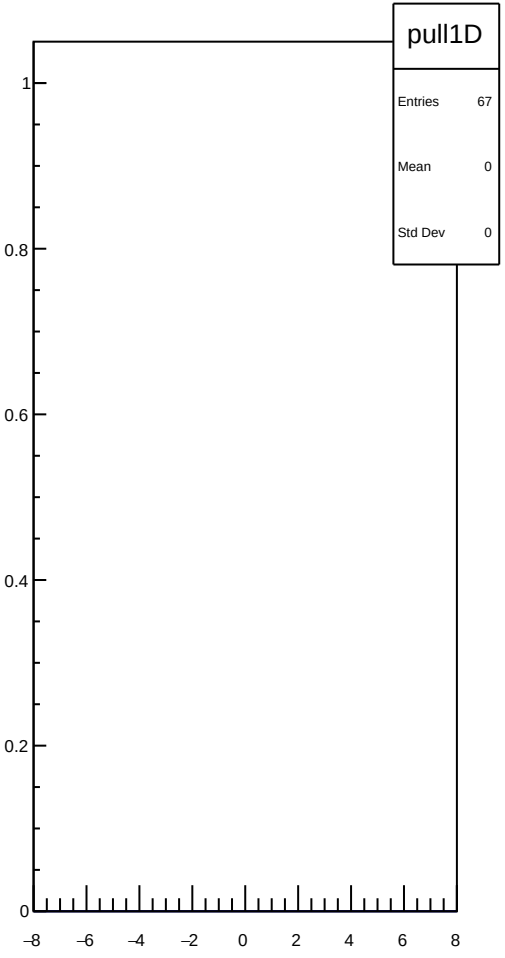




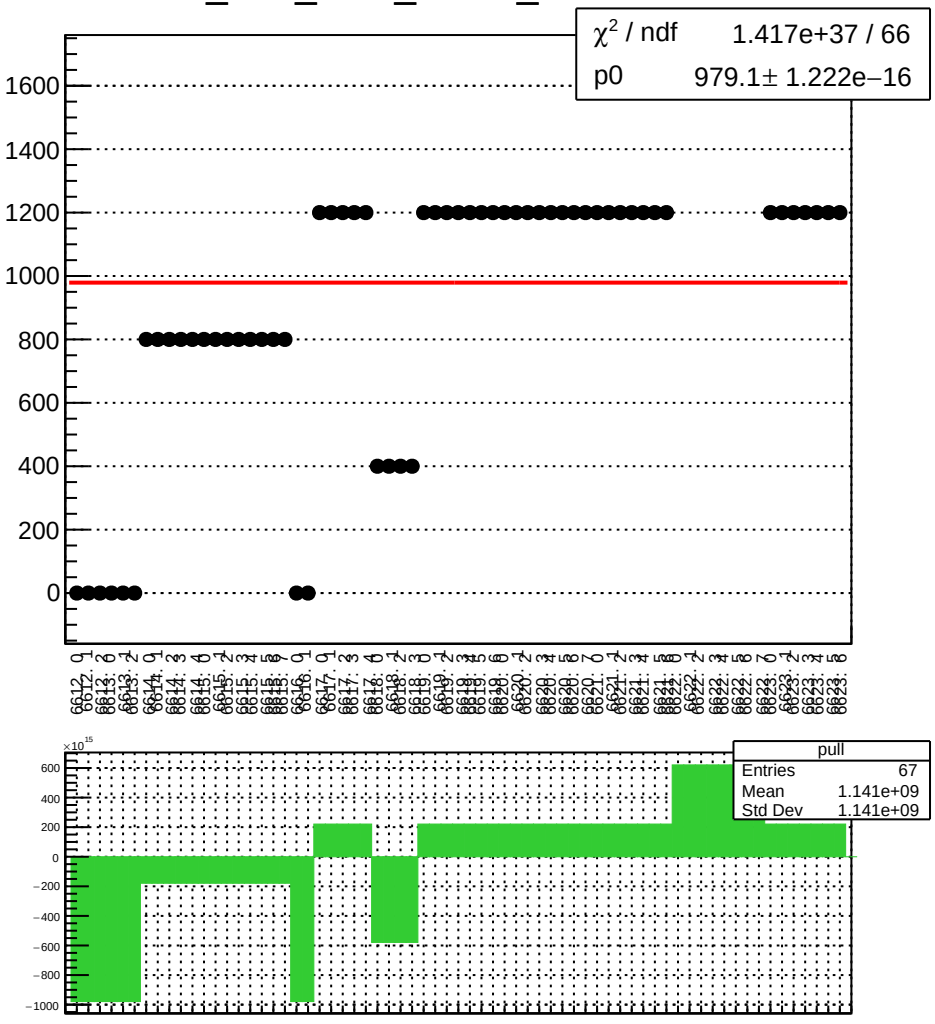

dit_4aY_coil4_mean vs run
χ^2 / ndf 2.436e+35 / 66
p0 163.7 ± 1.222e−16
200
150
100
50
0
pull
Entries 67
Mean −9.069e+09
Std Dev 9.069e+09
$\times 10^{15}$
20
0
−20
−40
−60
−80
−100
−120
−140
−160

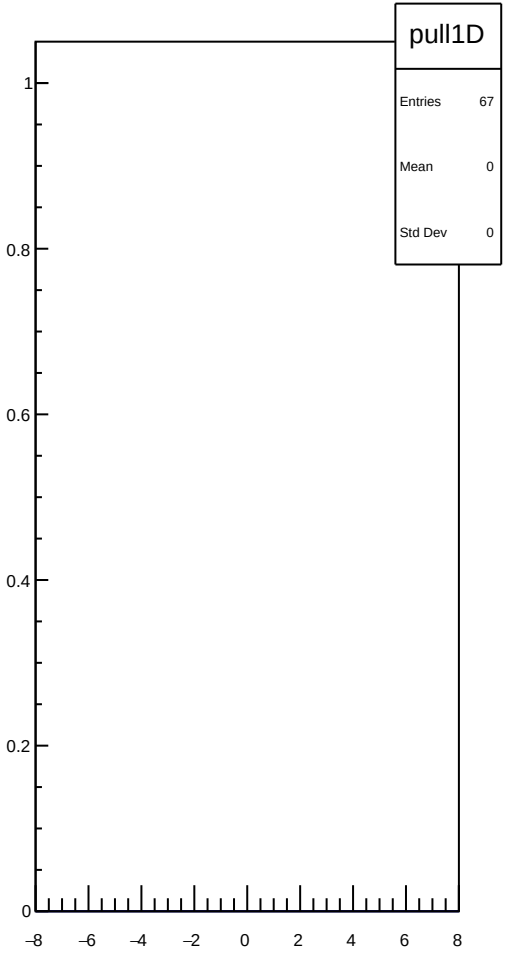

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

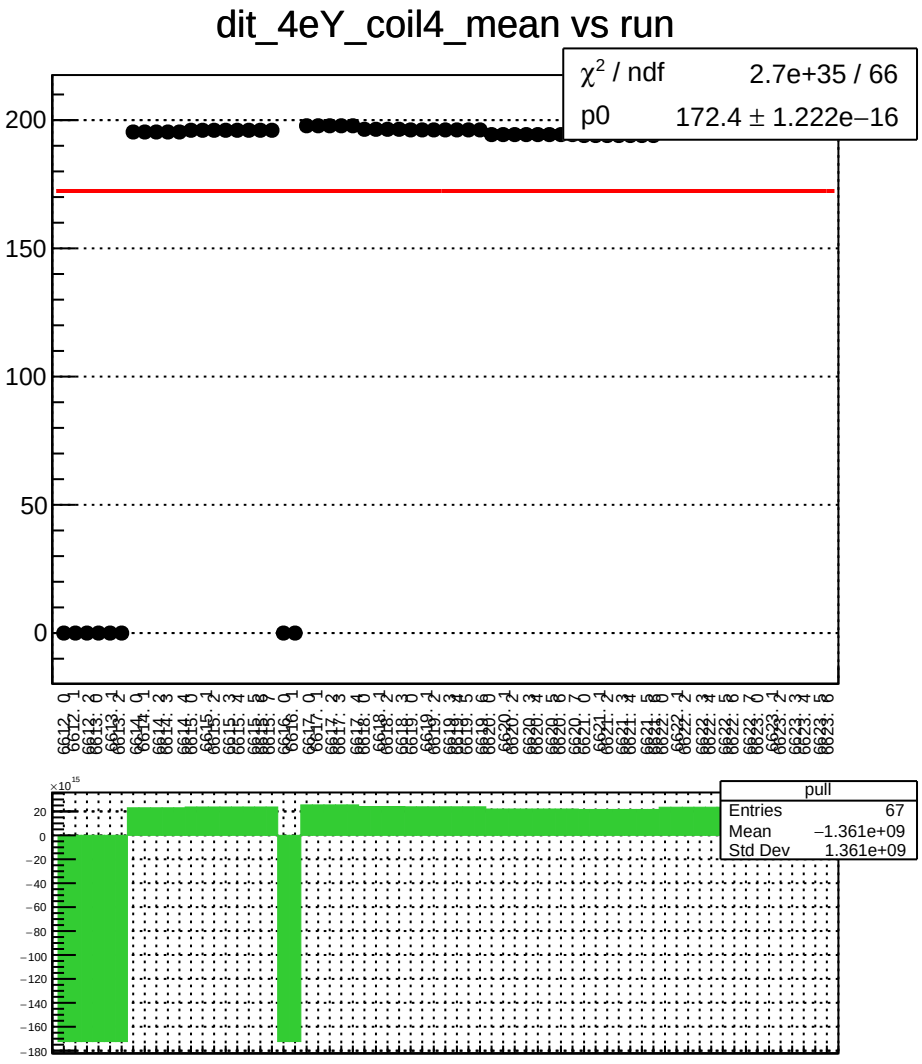

dit_4aY_coil4_err_mean vs run
χ² / ndf 1.848e+31 / 66
p0 1.213 ± 1.222e−16
pull
Entries 67
Mean −3.497e+08
Std Dev 3.497e+08

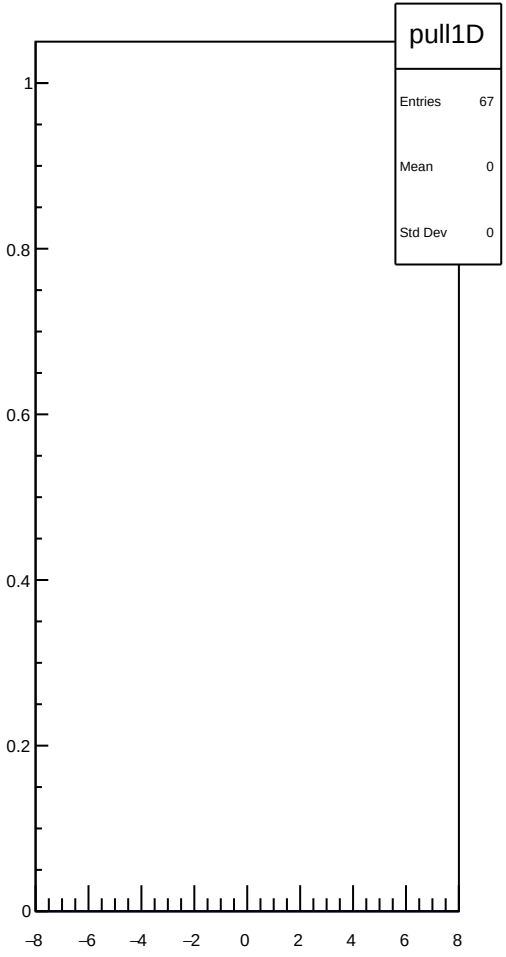

pull1D
Entries 67
Mean 0
Std Dev 0

dit_4aY_coil4_Ndata_mean vs run

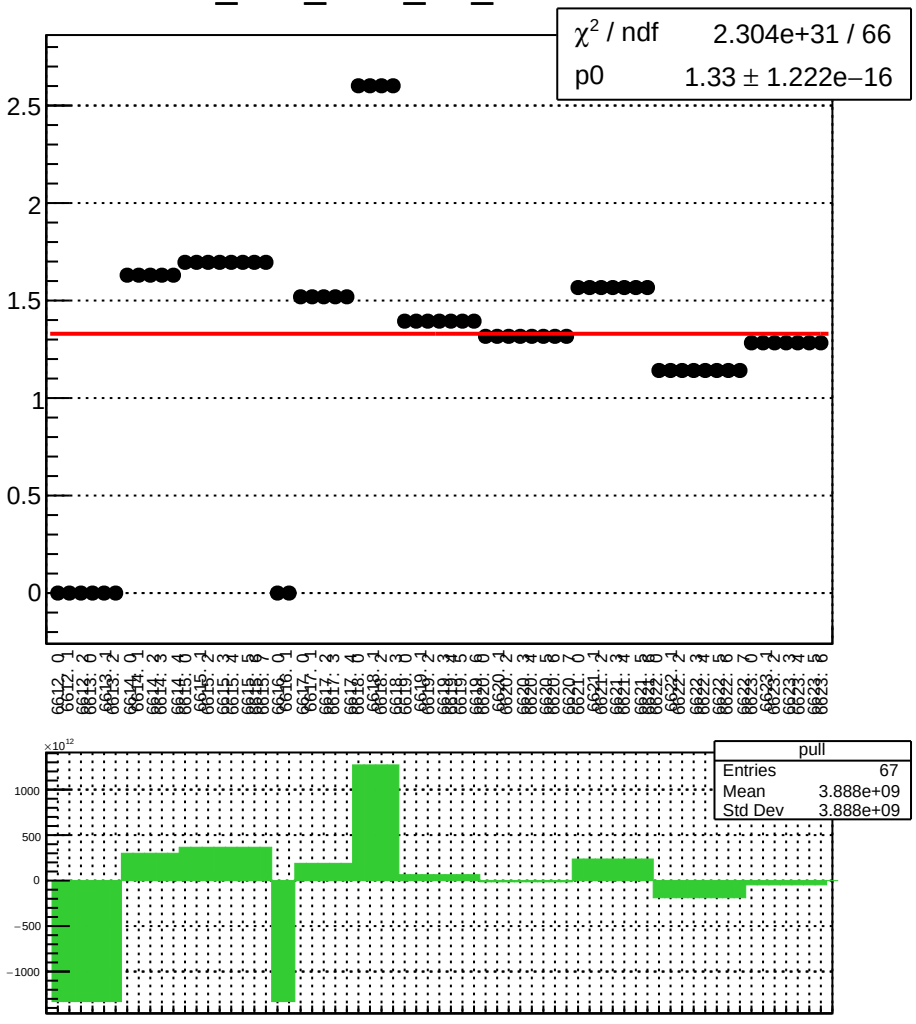


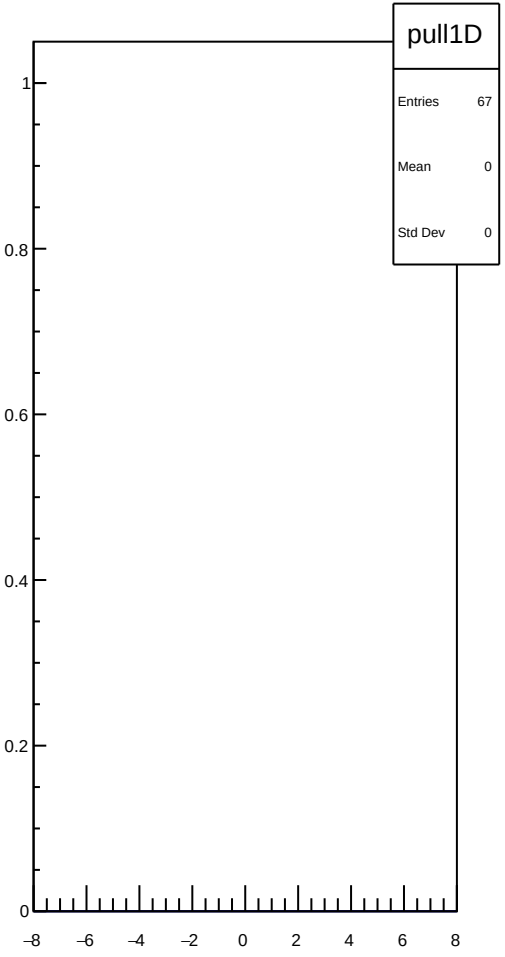



dit_4eY_coil4_mean vs run
χ^2 / ndf 2.7e+35 / 66
p0 172.4 ± 1.222e−16
pull
Entries 67
Mean −1.361e+09
Std Dev 1.361e+09

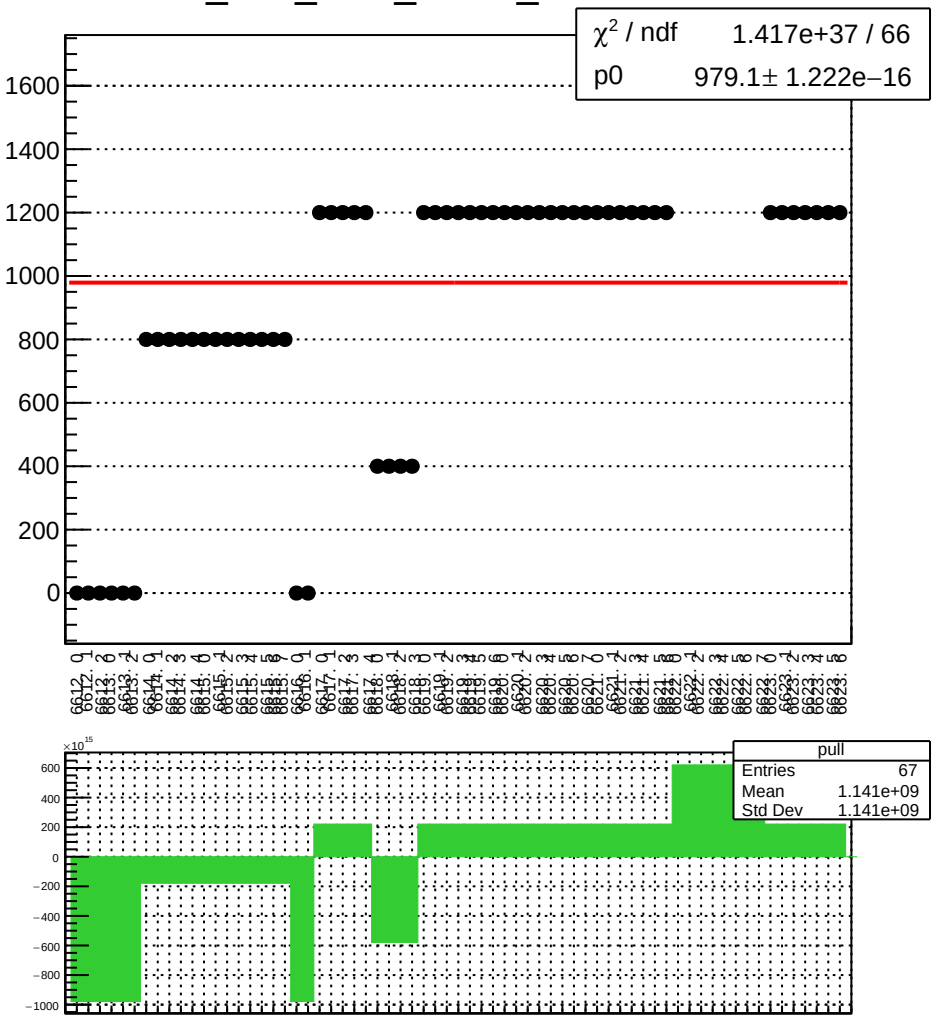

pull1D
Entries 67
Mean 0
Std Dev 0

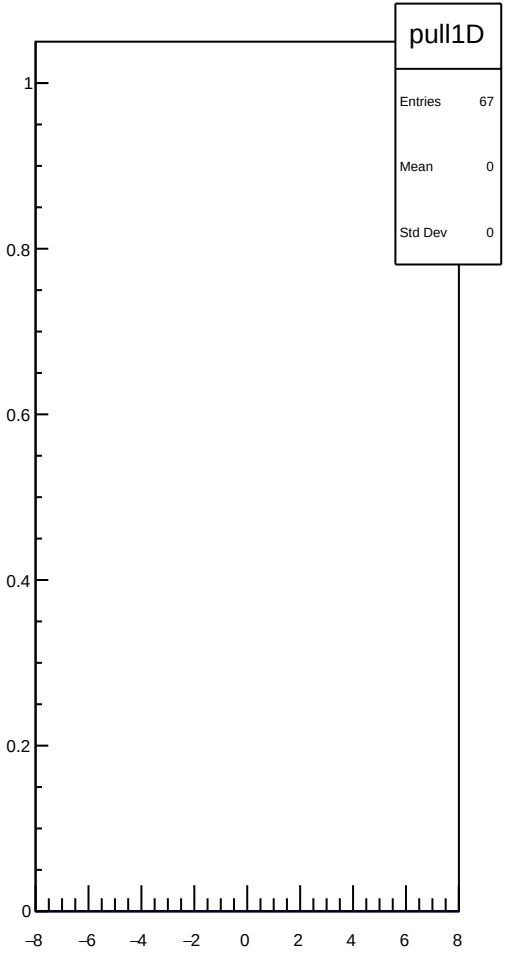
dit_4eY_coil4_err_mean vs run

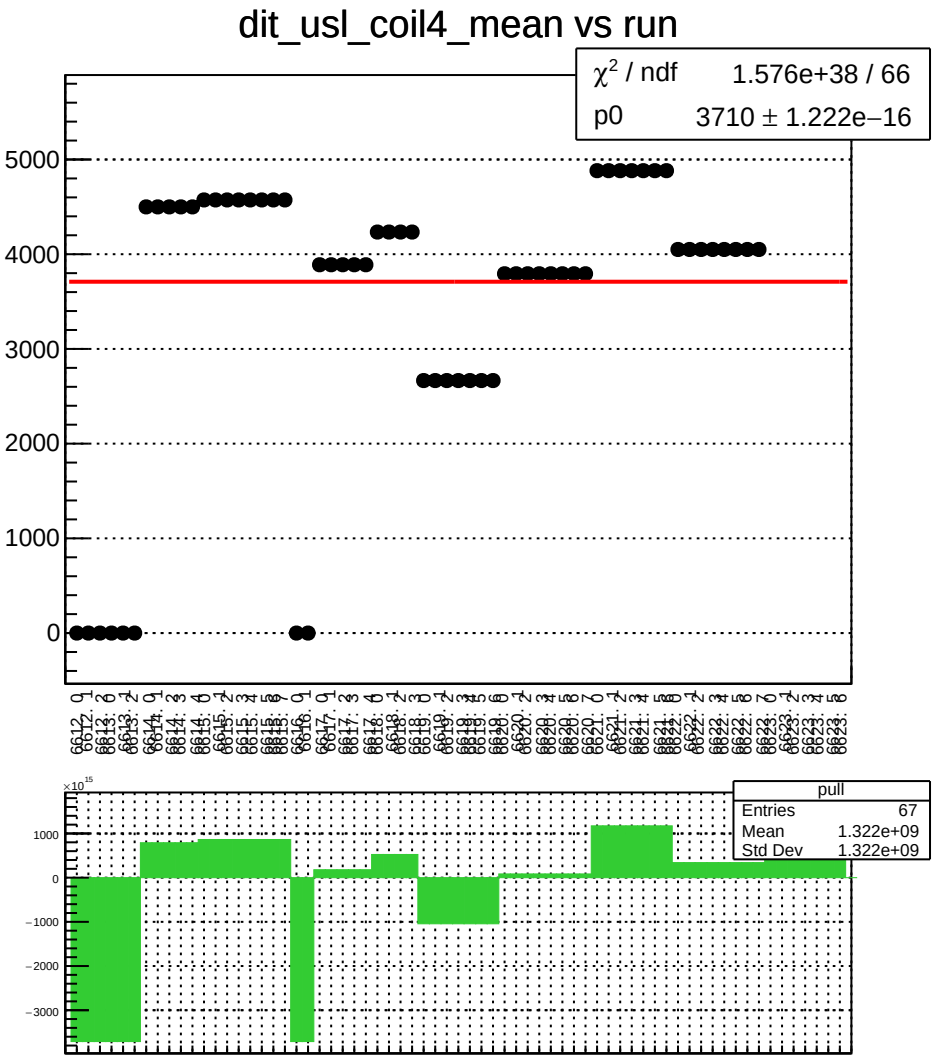


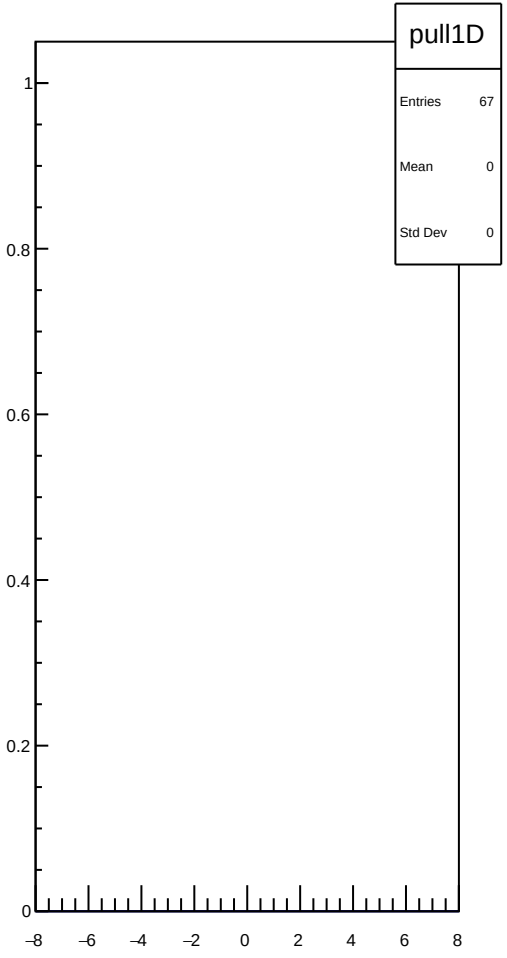


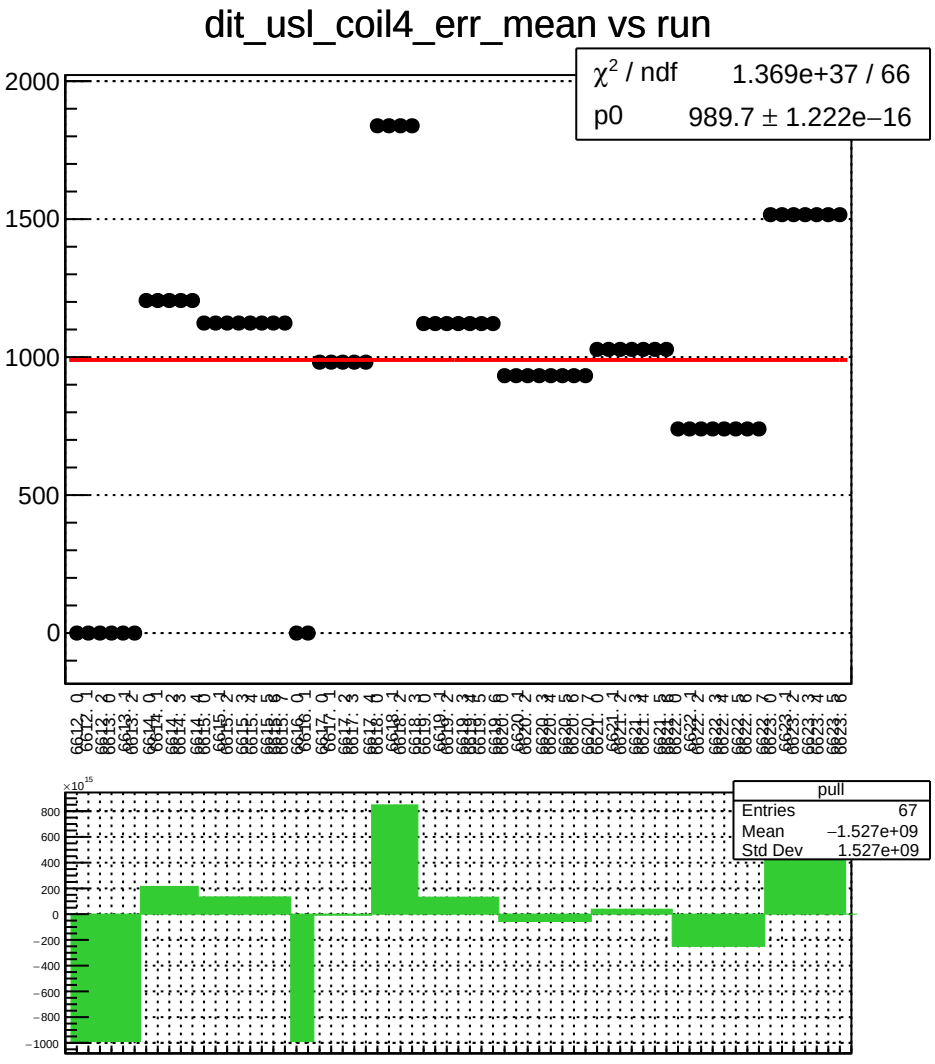
dit_4eY_coil4_Ndata_mean vs run

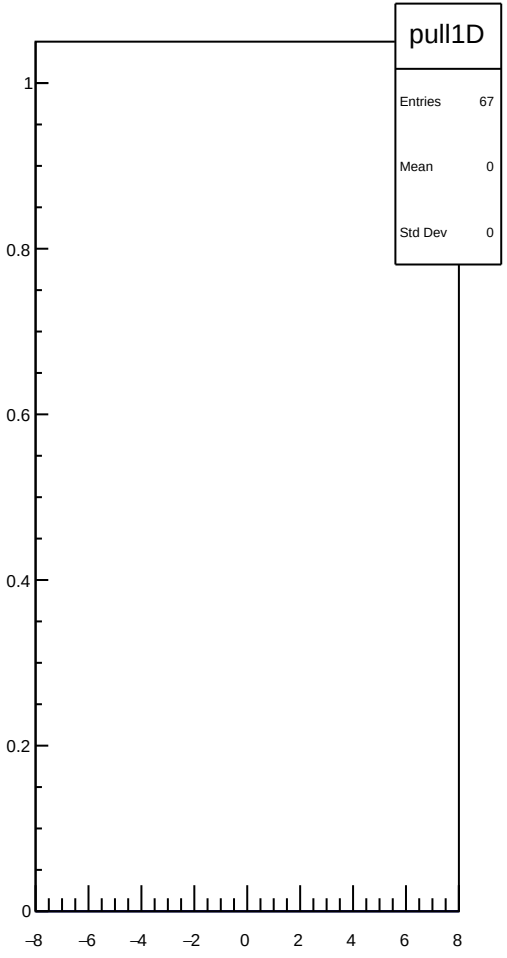




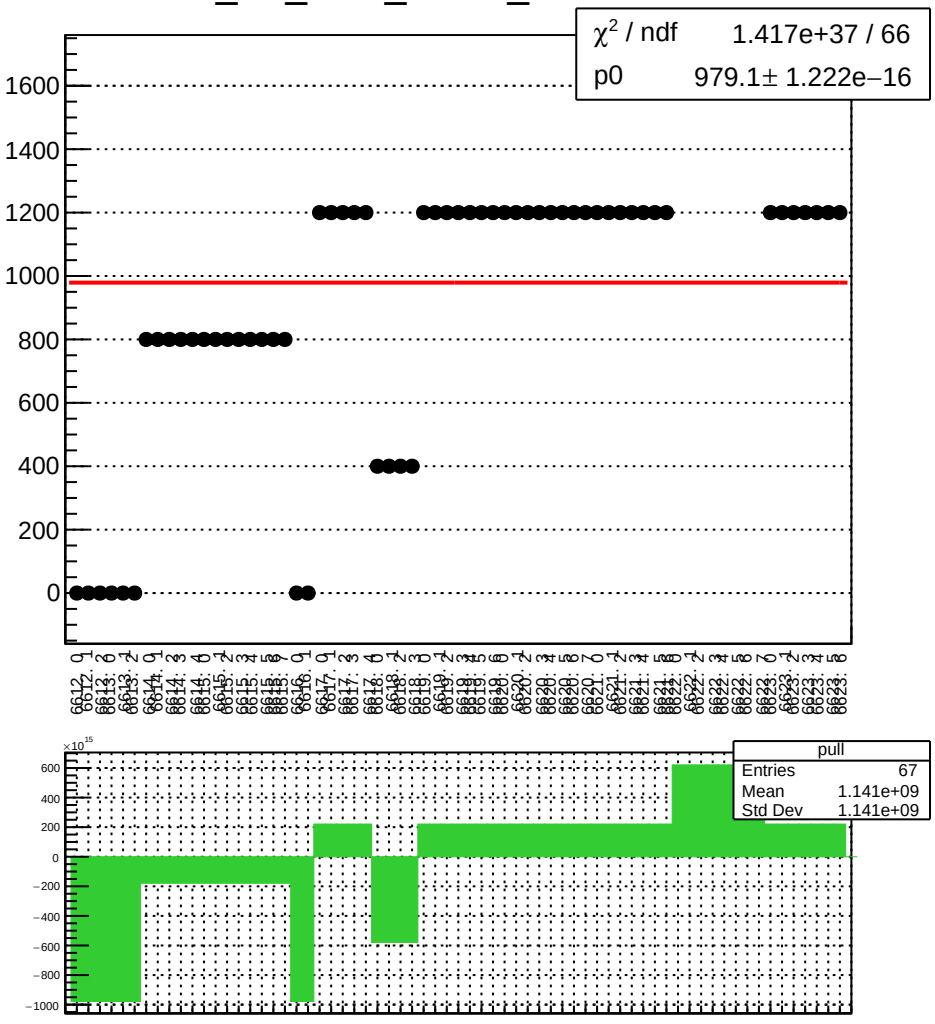

dit_usl_coil4_mean vs run
χ² / ndf 1.576e+38 / 66
p0 3710 ± 1.222e−16
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean 1.322e+09
Std Dev 1.322e+09
×10^15
1000
0
−1000
−2000
−3000

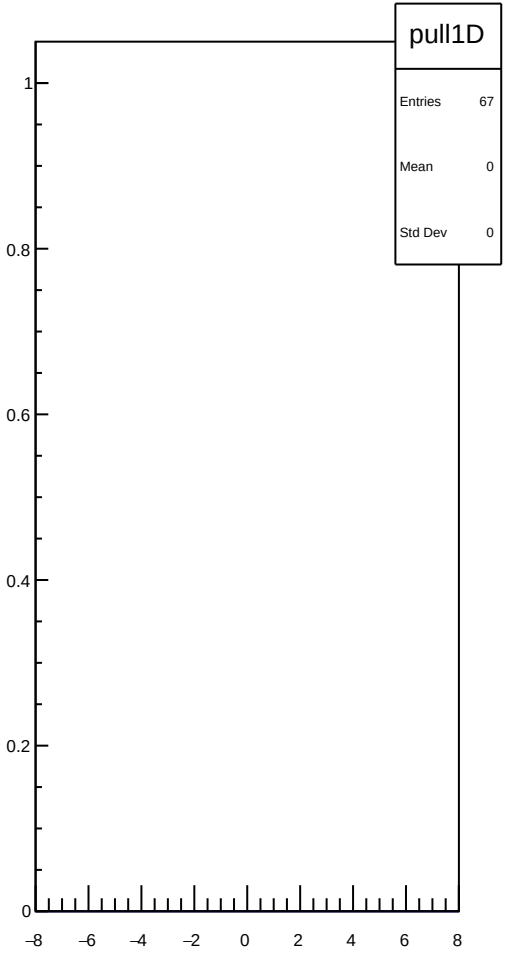

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

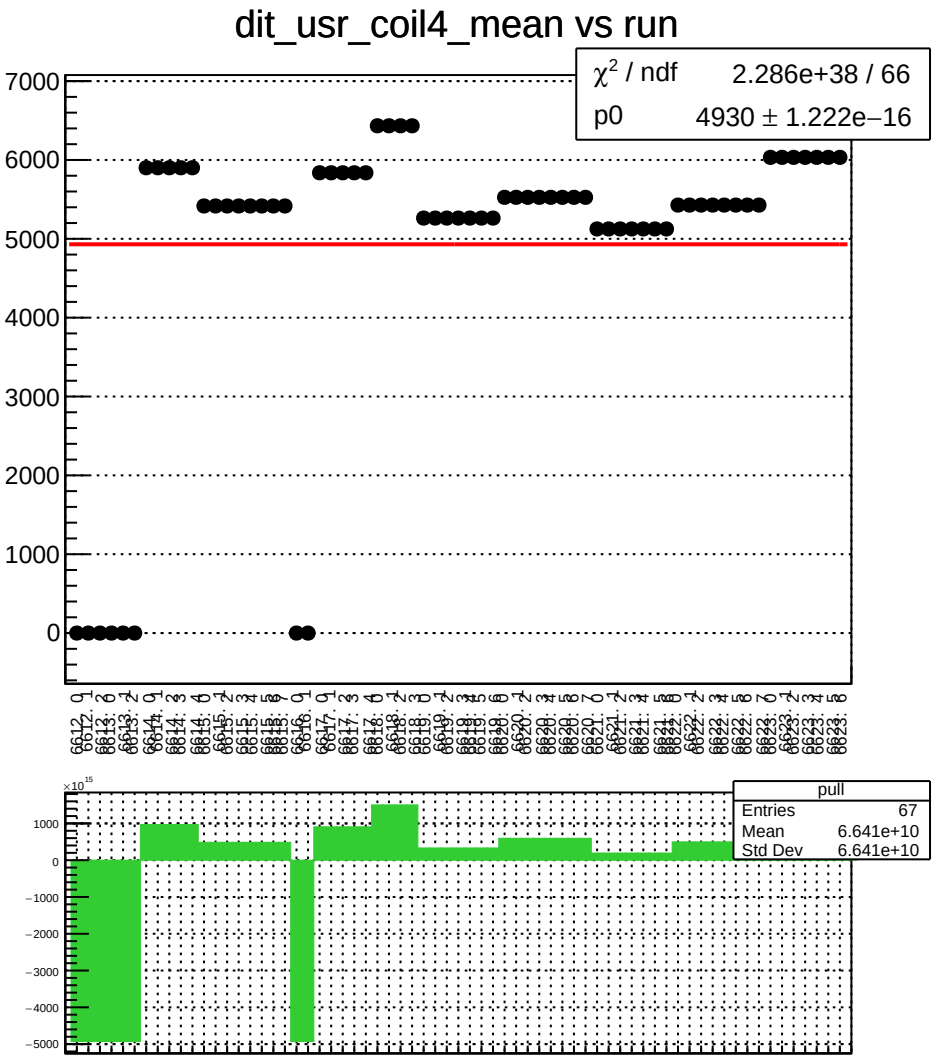

dit_usl_coil4_err_mean vs run
χ^2 / ndf 1.369e+37 / 66
p0 989.7 ± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean −1.527e+09
Std Dev 1.527e+09
$\times 10^{15}$
800
600
400
200
0
−200
−400
−600
−800
−1000

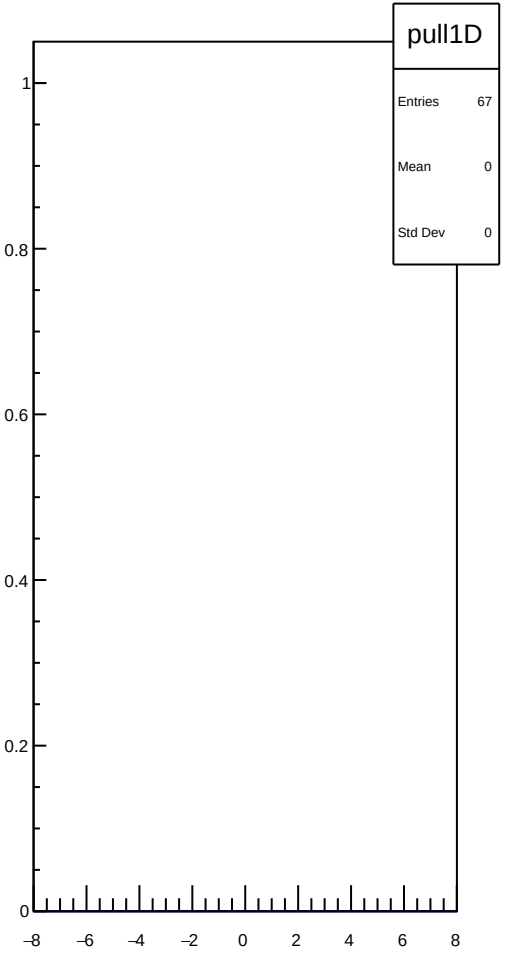

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

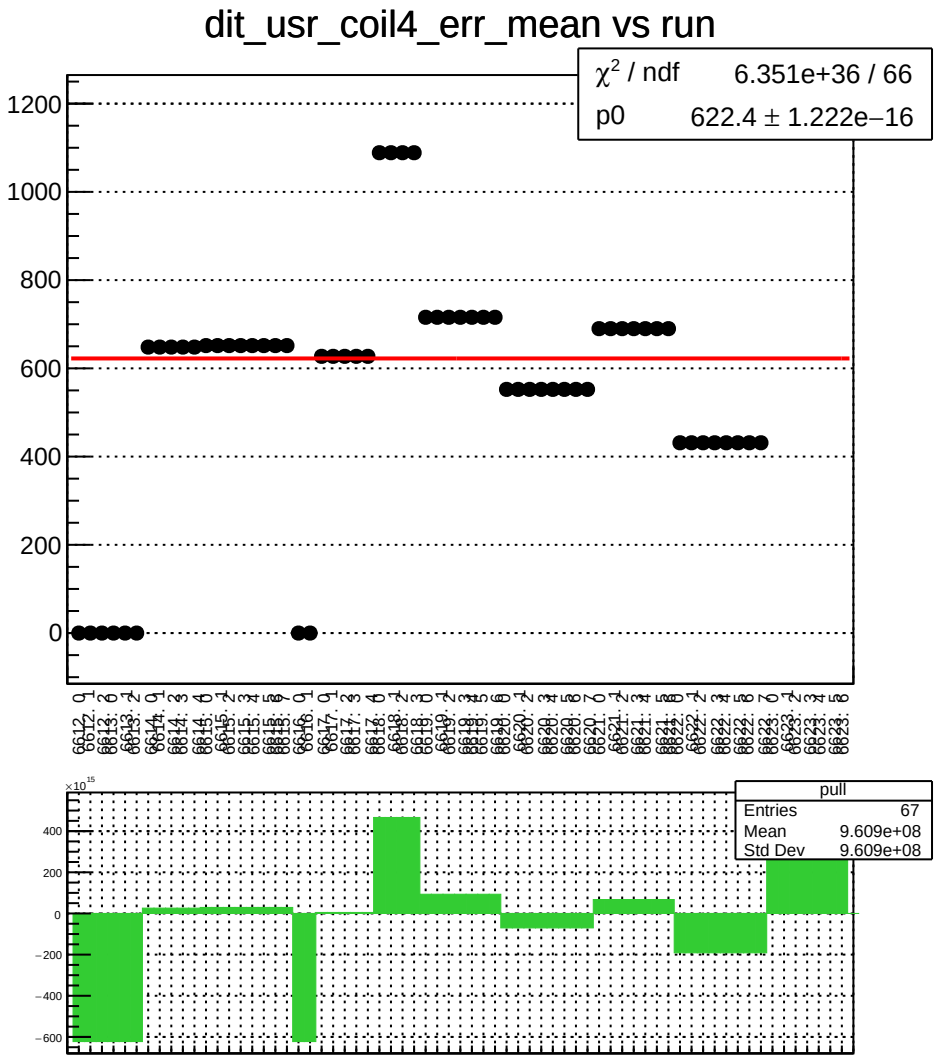
dit_usl_coil4_Ndata_mean vs run

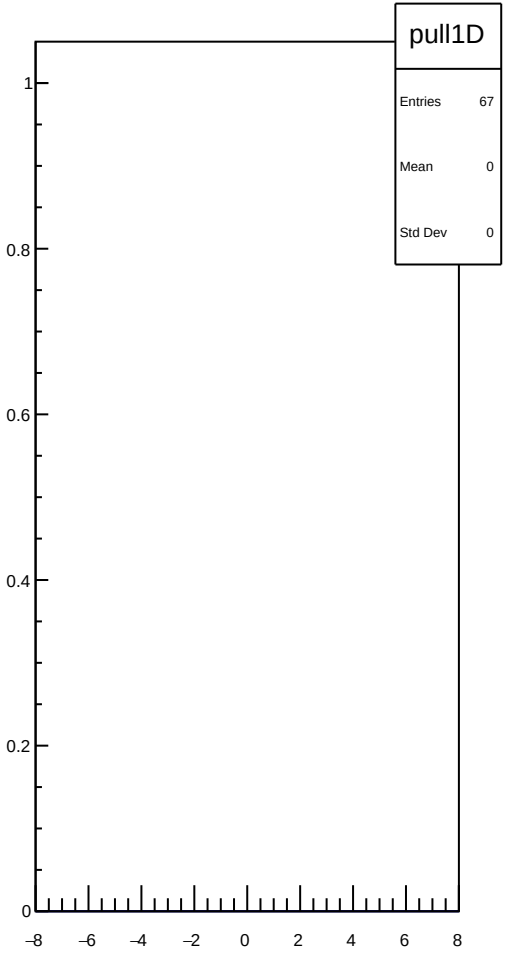




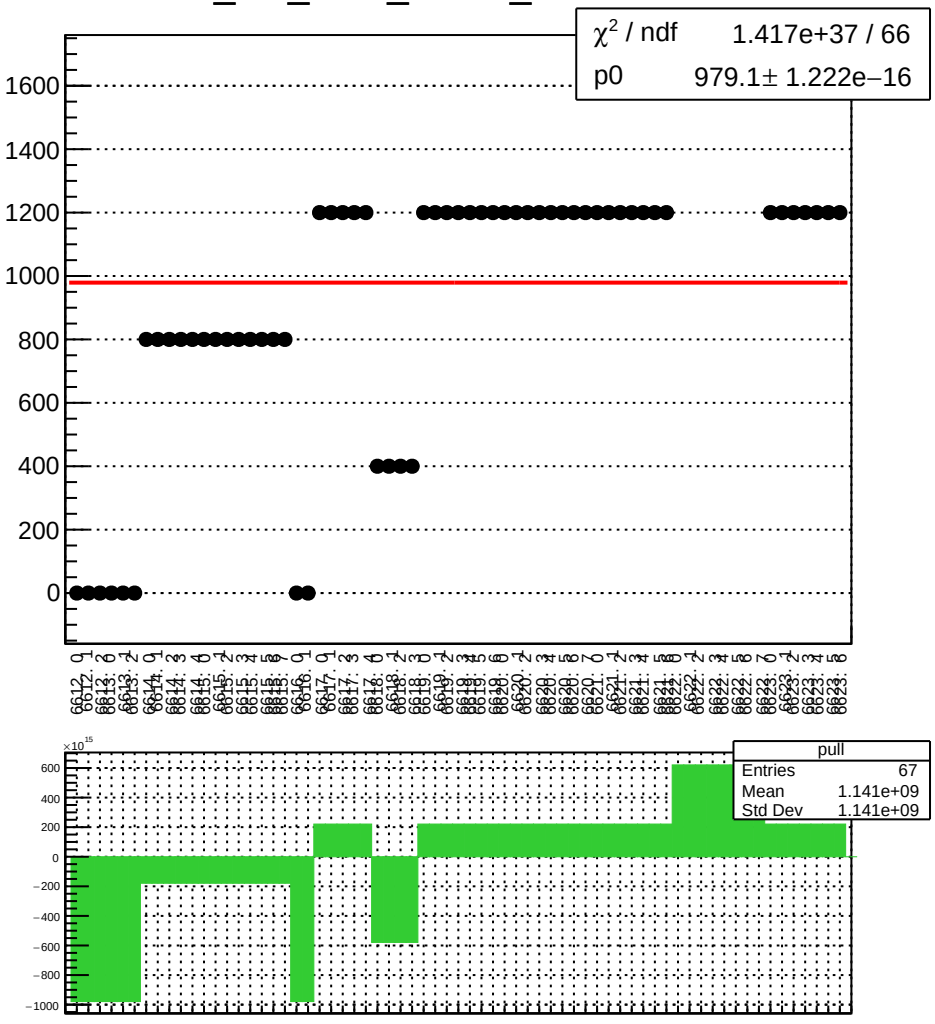

dit_usr_coil4_mean vs run
χ^2 / ndf 2.286e+38 / 66
p0 4930 ± 1.222e−16
pull
Entries 67
Mean 6.641e+10
Std Dev 6.641e+10

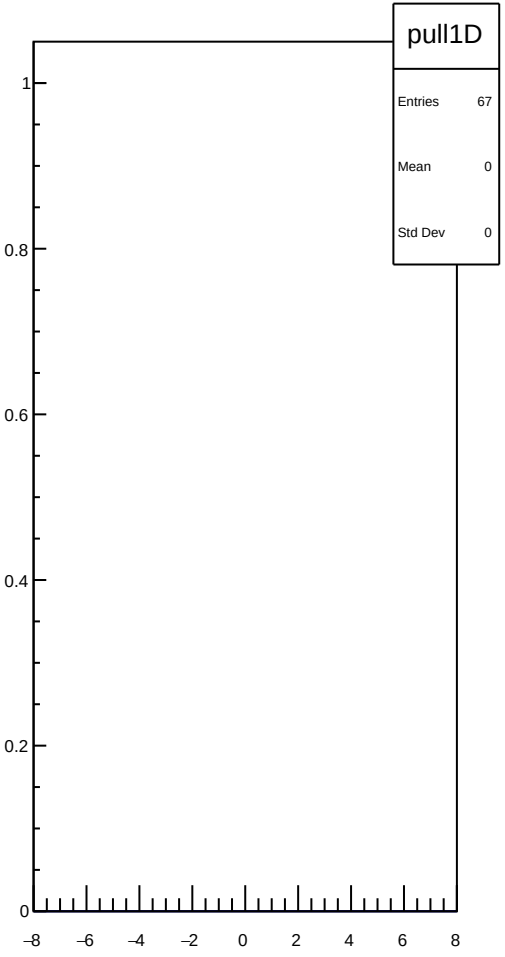

pull1D
Entries 67
Mean 0
Std Dev 0

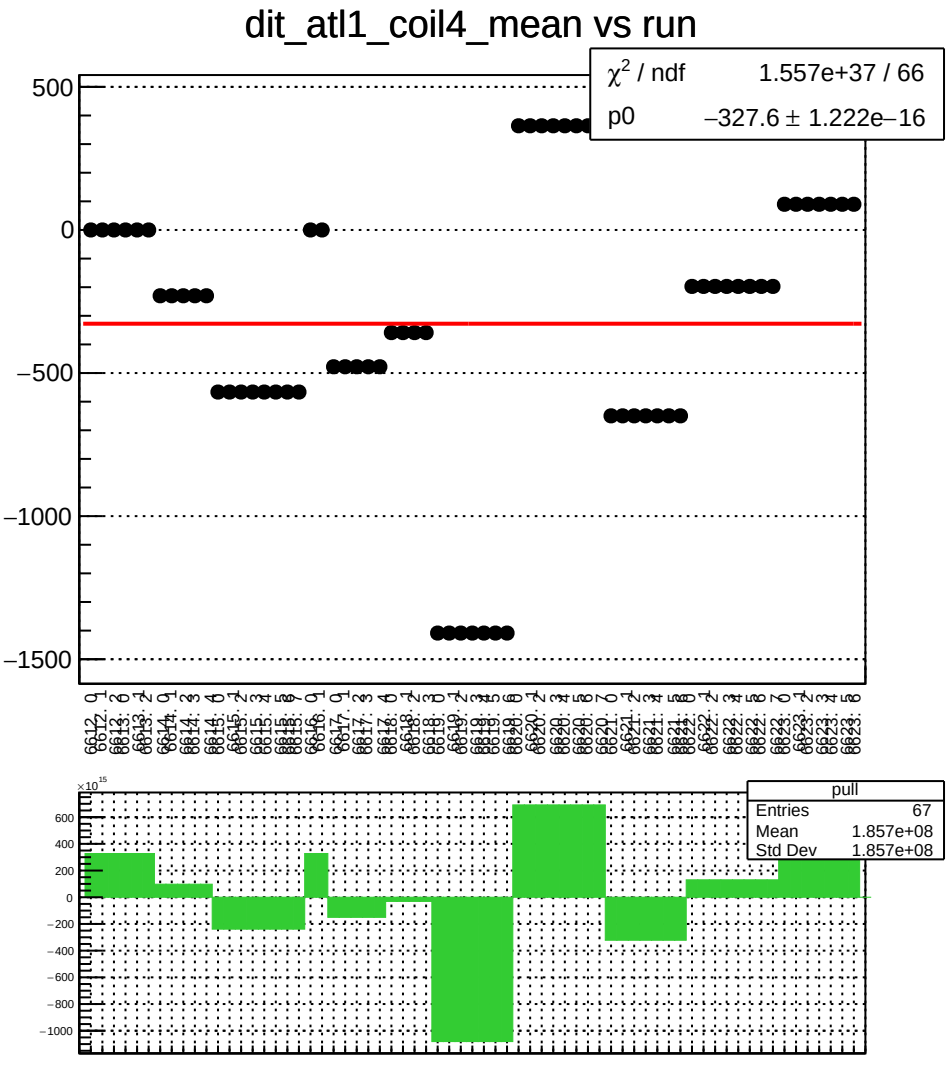

dit_usr_coil4_err_mean vs run
χ² / ndf 6.351e+36 / 66
p0 622.4 ± 1.222e−16
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 9.609e+08
Std Dev 9.609e+08
×10¹⁵
400
200
0
−200
−400
−600

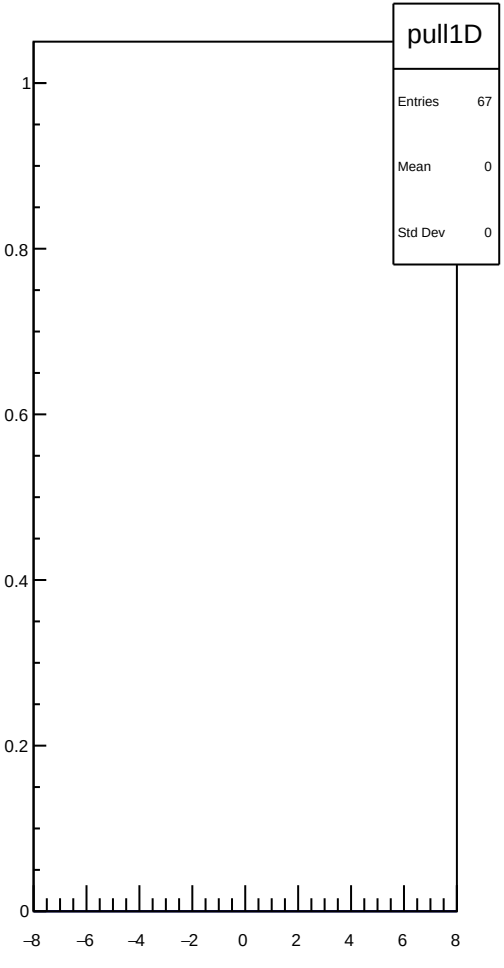

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_Ndata_mean vs run

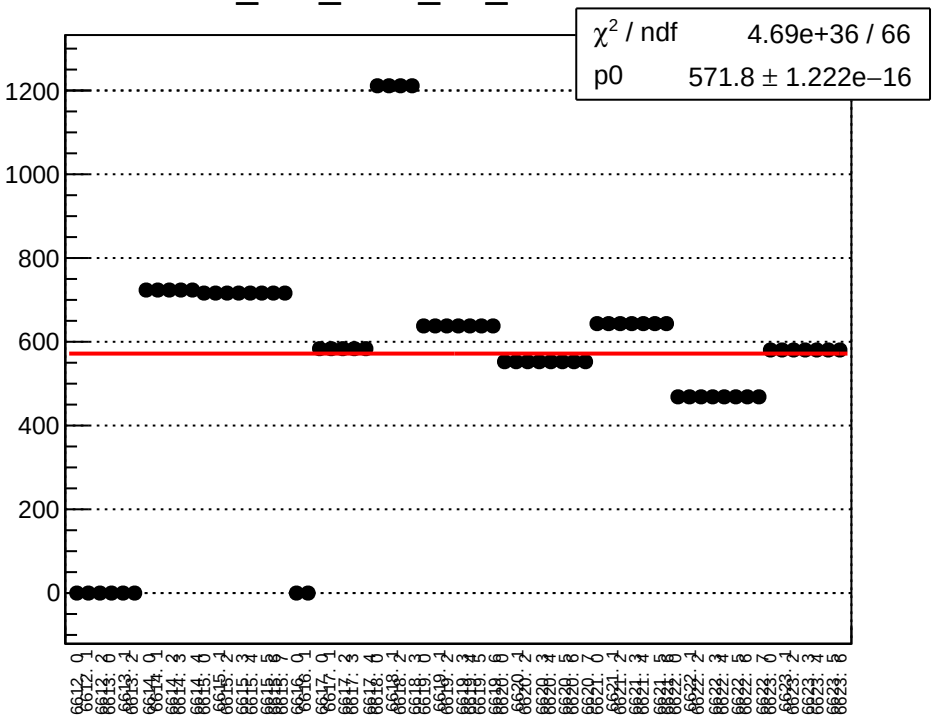


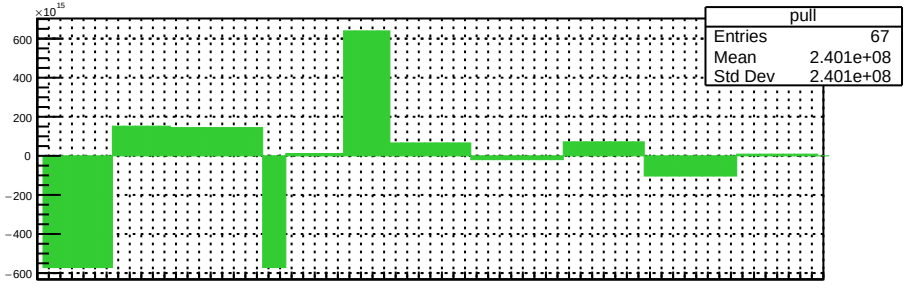


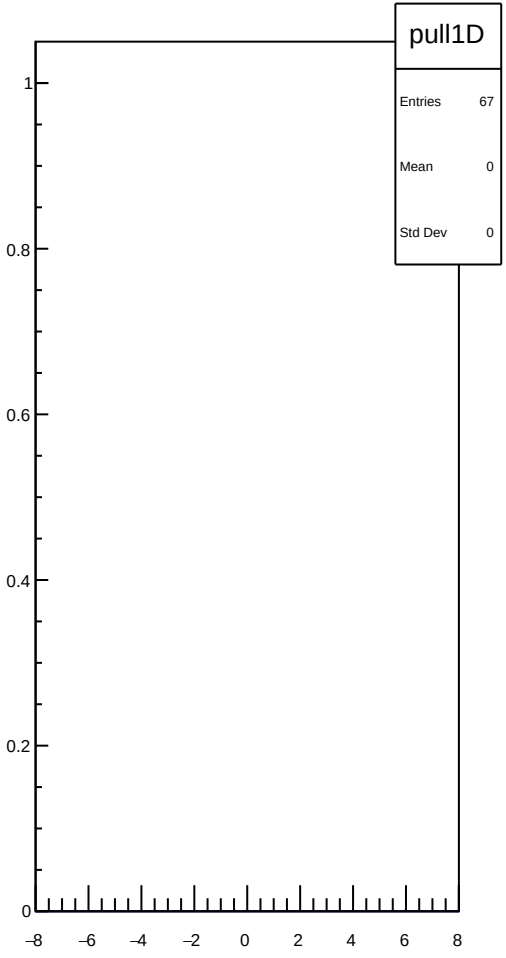

dit_atl1_coil4_mean vs run
χ² / ndf 1.557e+37 / 66
p0 −327.6 ± 1.222e−16
500
0
−500
−1000
−1500
pull
Entries 67
Mean 1.857e+08
Std Dev 1.857e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

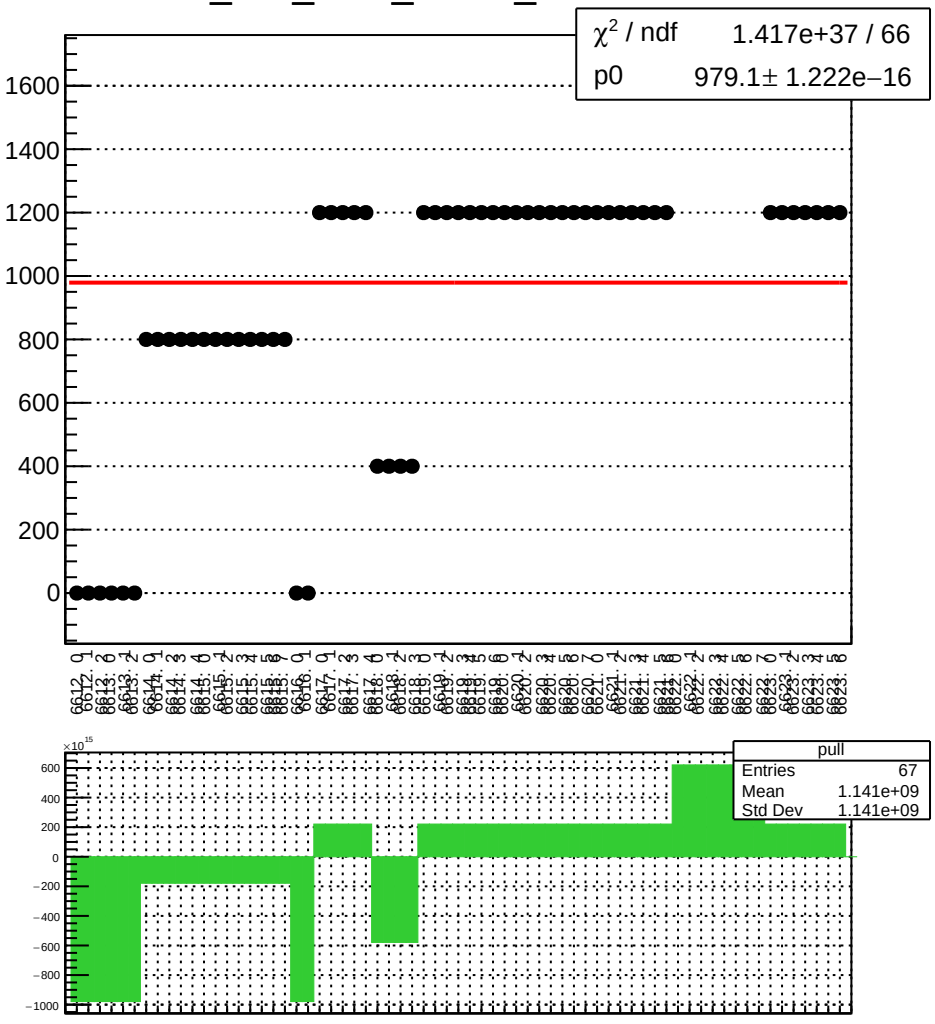
dit_atl1_coil4_err_mean vs run

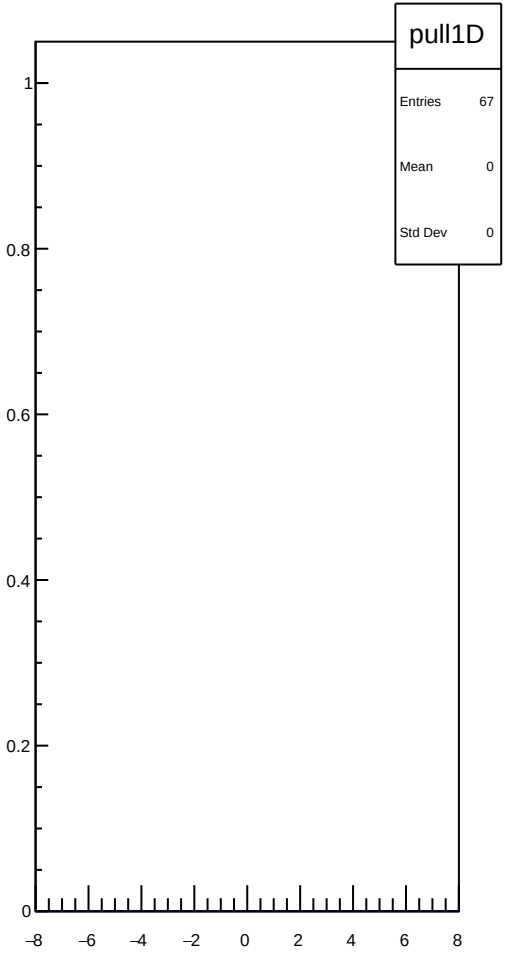


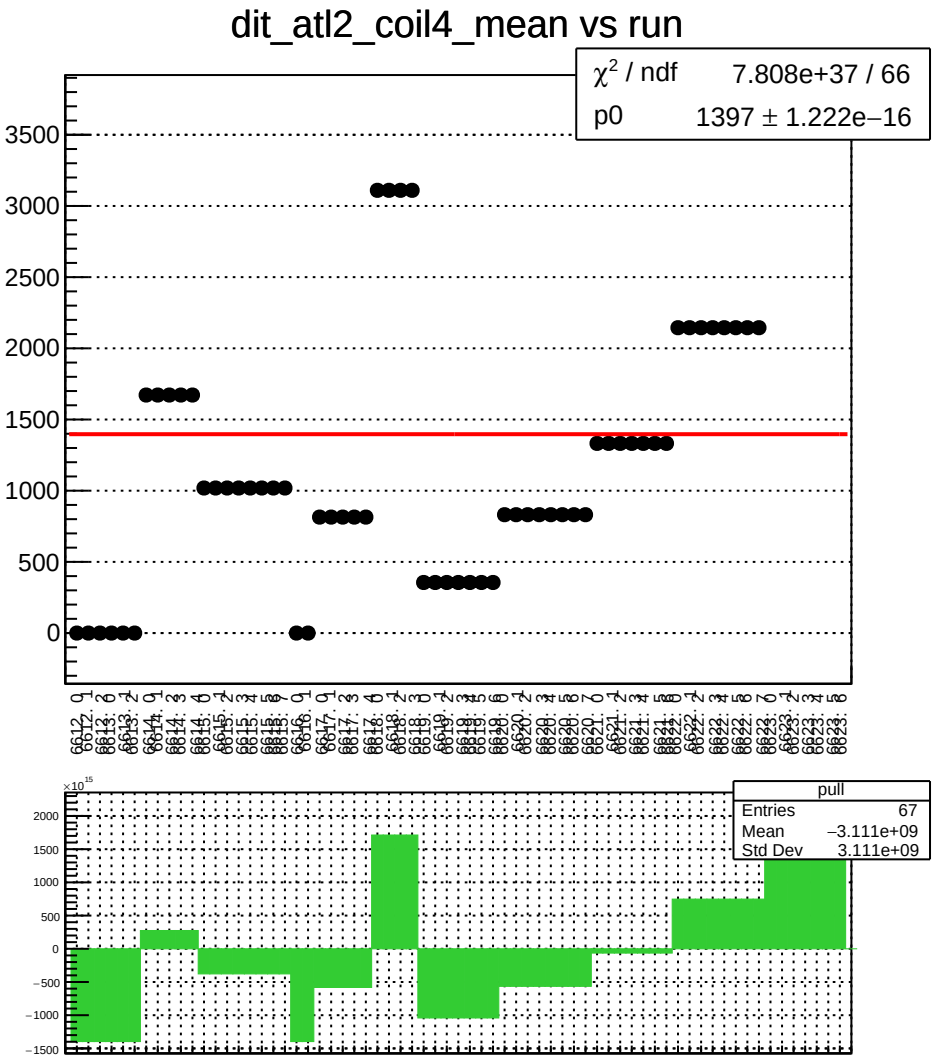


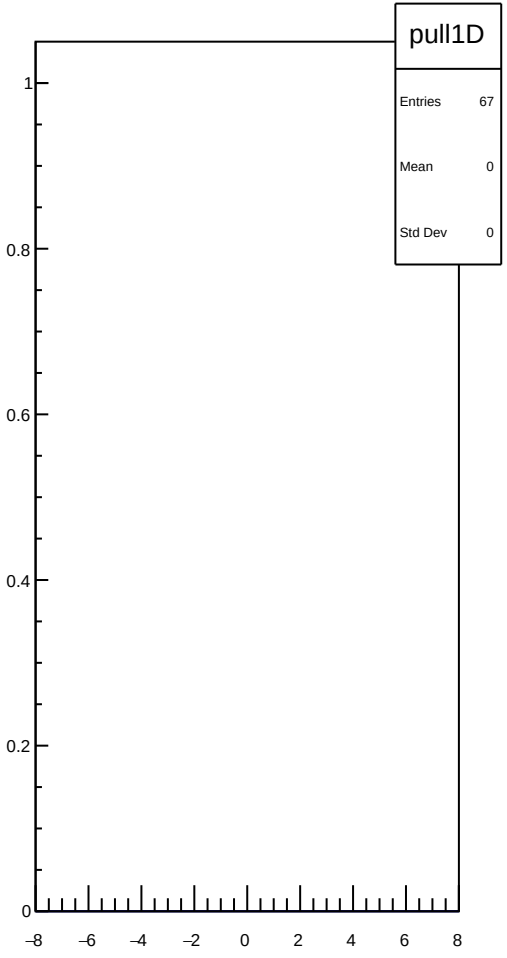


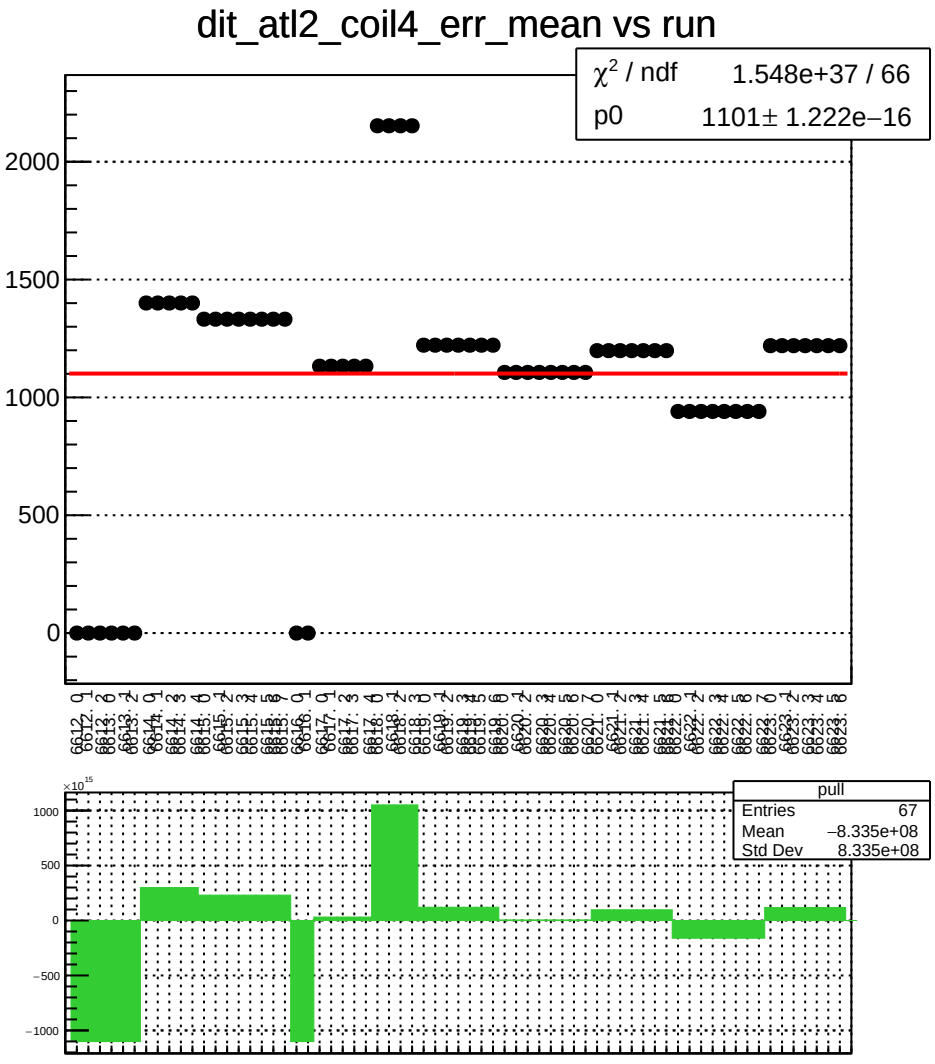
dit_atl1_coil4_Ndata_mean vs run

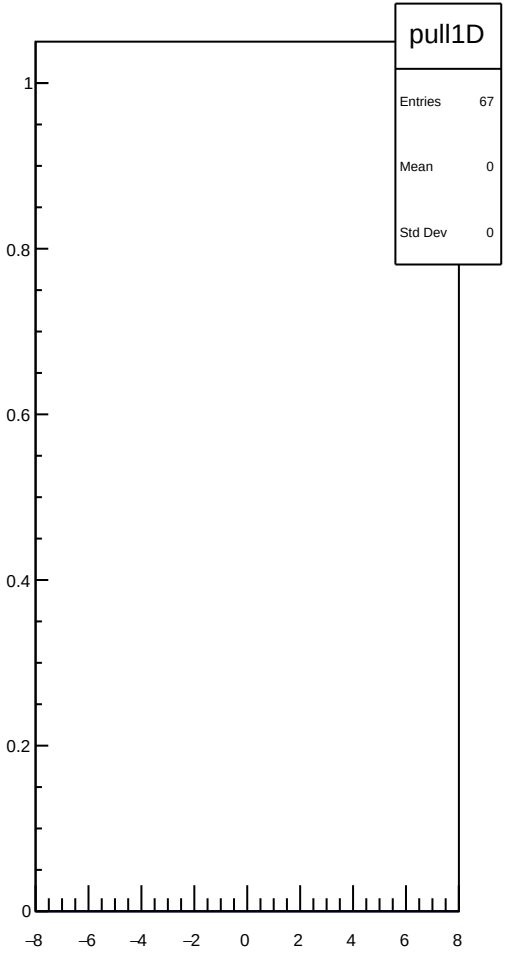




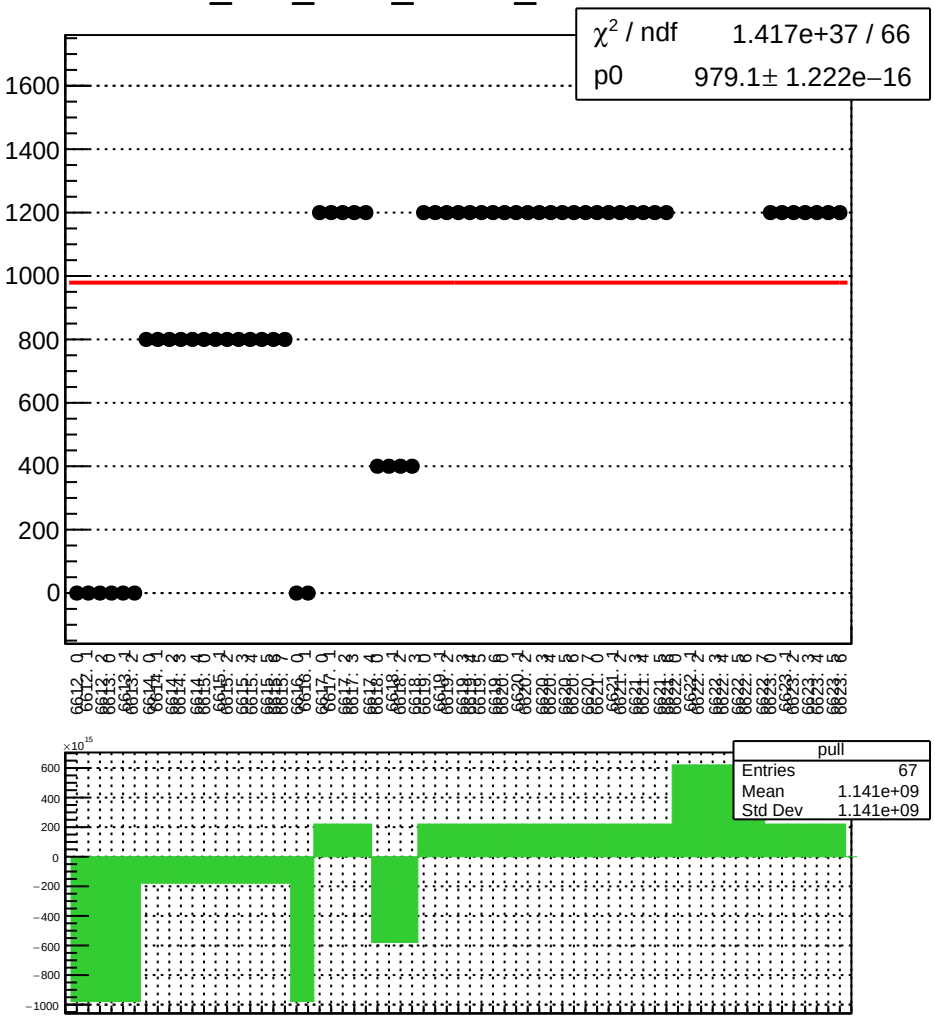

dit_atl2_coil4_mean vs run
χ^2 / ndf 7.808e+37 / 66
p0 1397 ± 1.222e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 67
Mean −3.111e+09
Std Dev 3.111e+09
×10^15
2000
1500
1000
500
0
−500
−1000
−1500

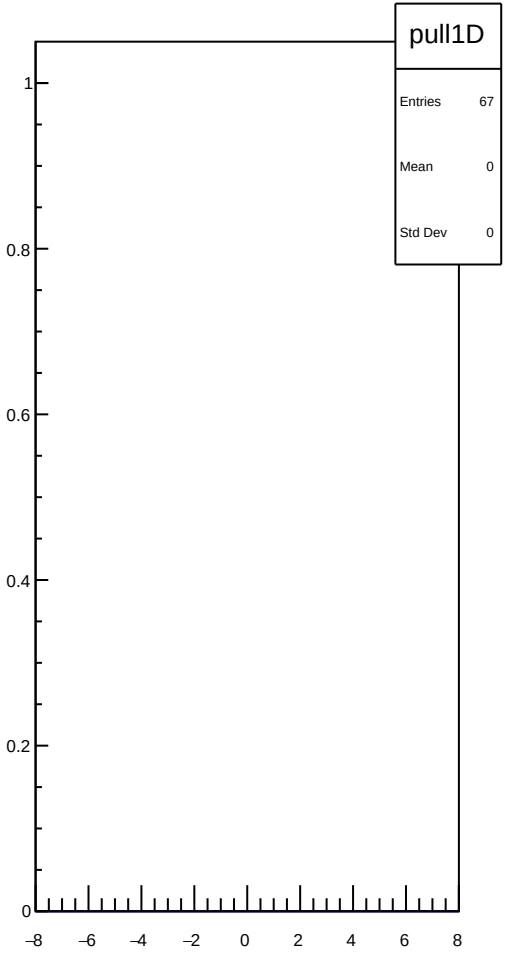

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

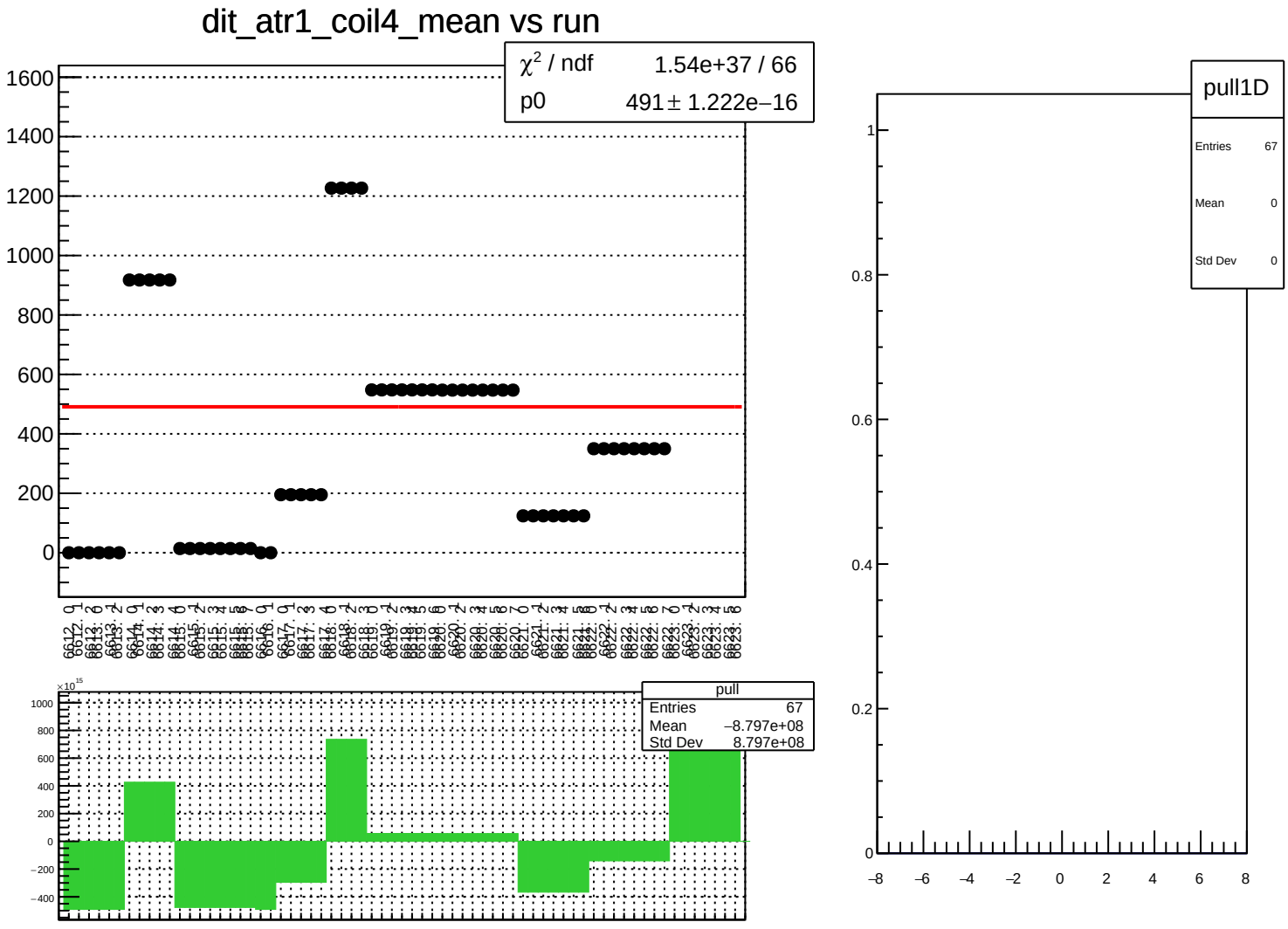

dit_atl2_coil4_err_mean vs run
χ² / ndf 1.548e+37 / 66
p0 1101± 1.222e−16
2000
1500
1000
500
0
pull
Entries 67
Mean −8.335e+08
Std Dev 8.335e+08
×10¹⁵
1000
500
0
−500
−1000

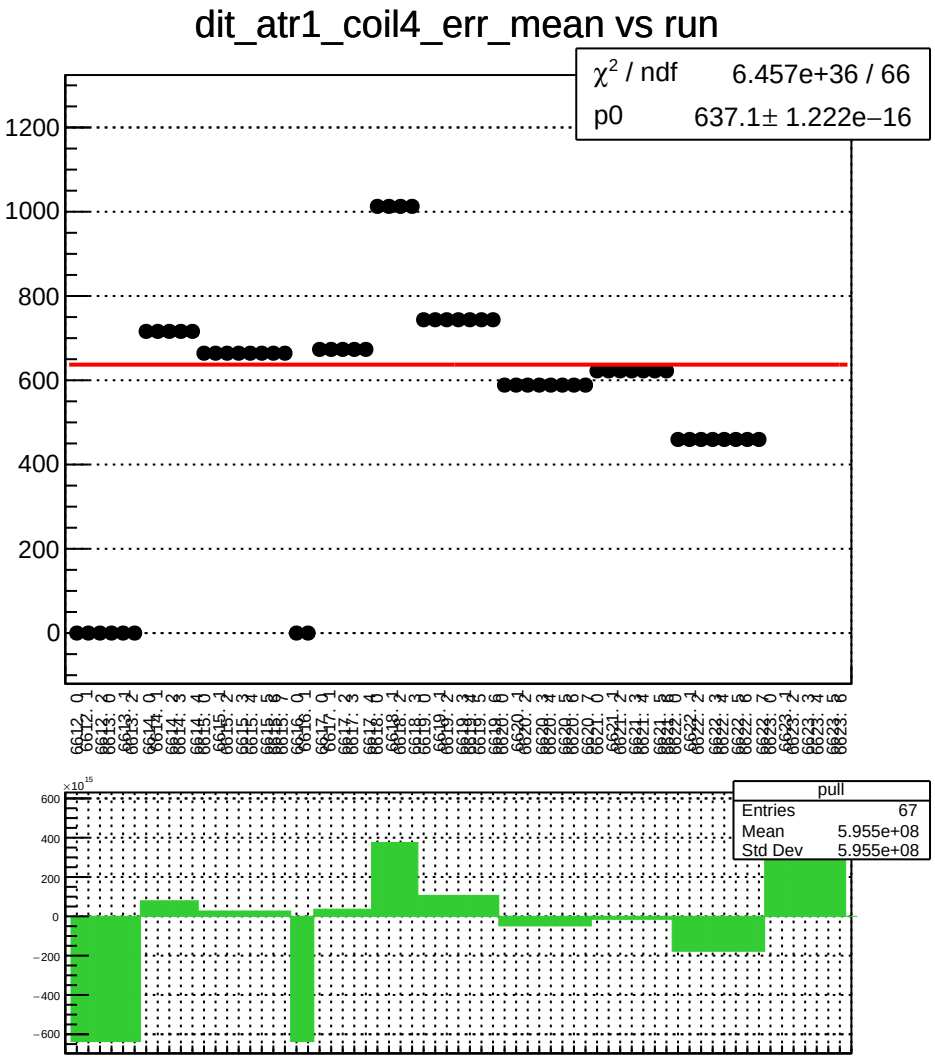

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

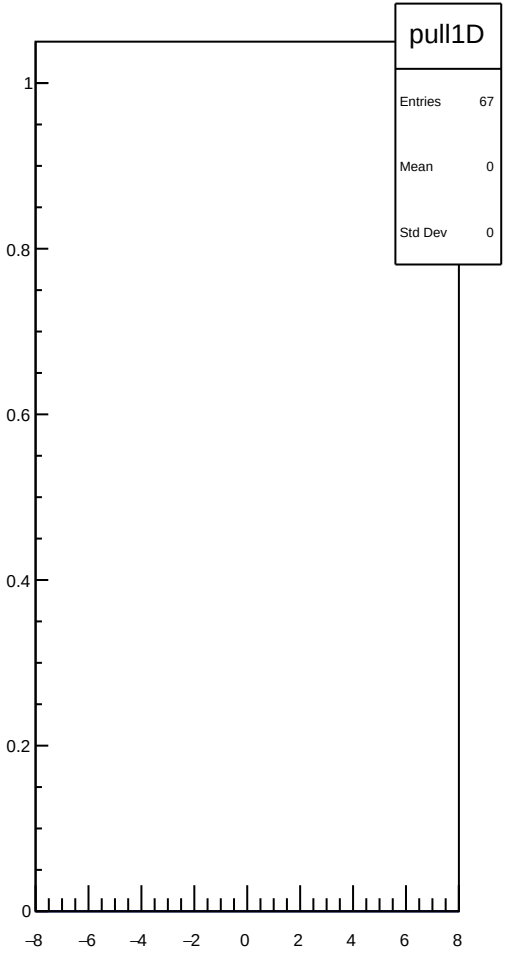
dit_atl2_coil4_Ndata_mean vs run



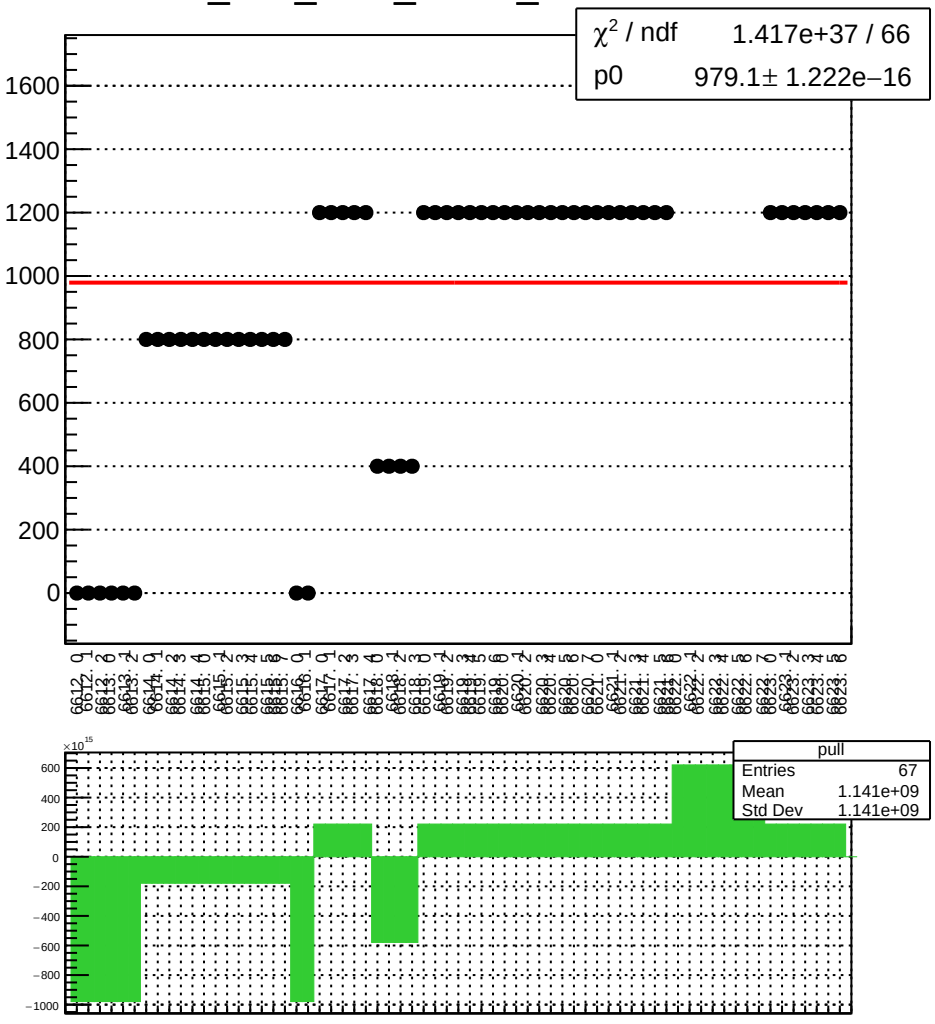


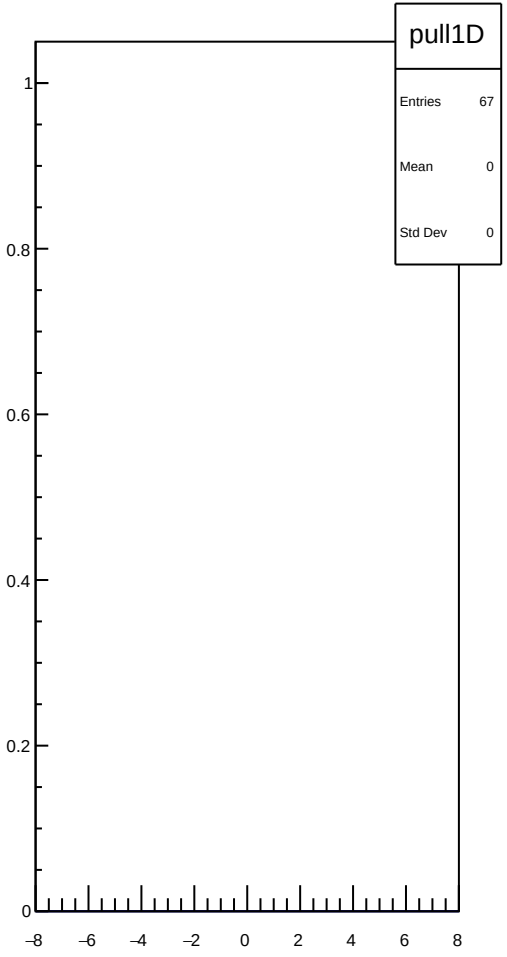

dit_atr1_coil4_mean vs run
χ² / ndf 1.54e+37 / 66
p0 491 ± 1.222e−16
pull
Entries 67
Mean −8.797e+08
Std Dev 8.797e+08
pull1D
Entries 67
Mean 0
Std Dev 0

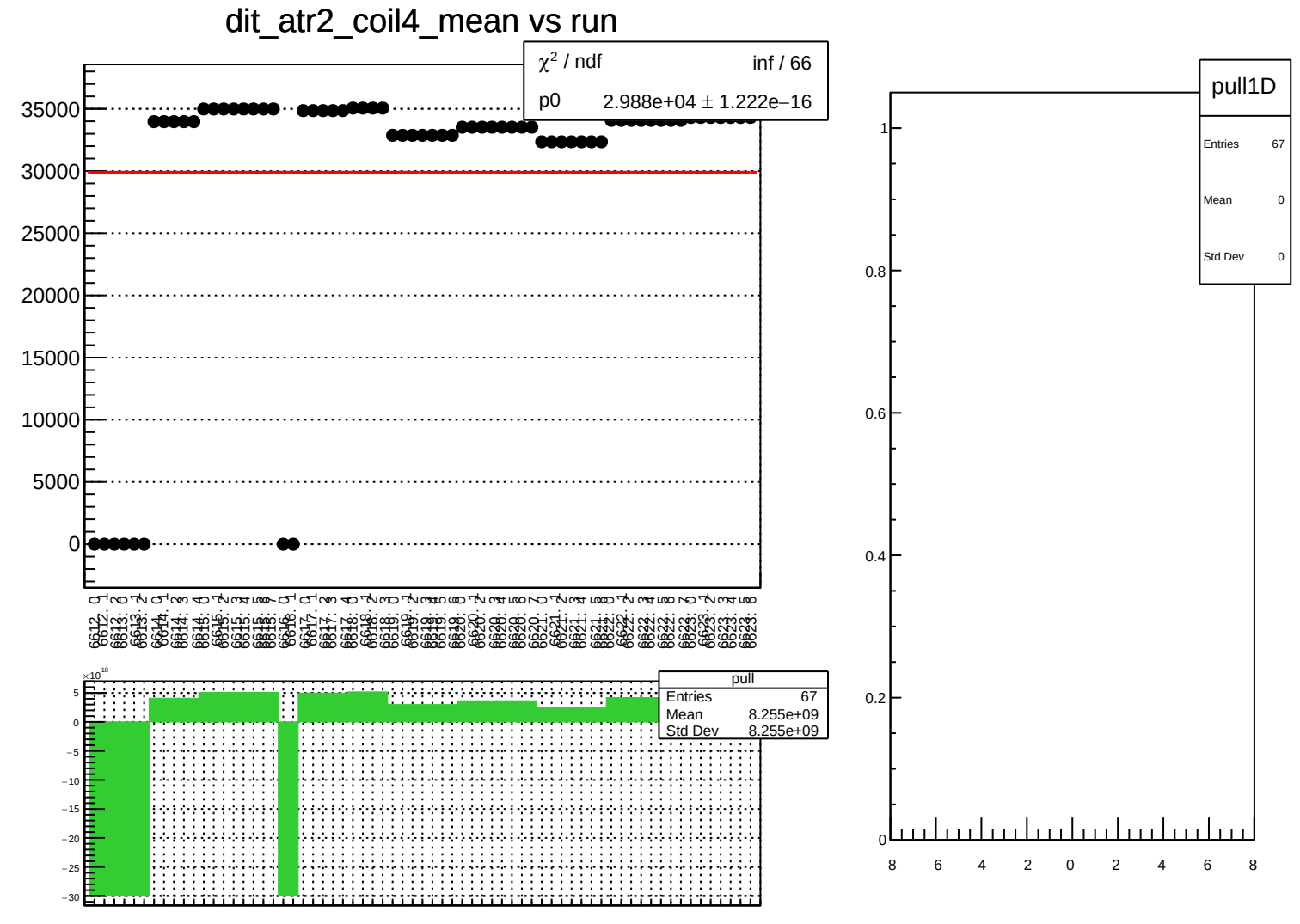

dit_atr1_coil4_err_mean vs run
χ² / ndf 6.457e+36 / 66
p0 637.1± 1.222e−16
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 5.955e+08
Std Dev 5.955e+08
×10¹⁵
600
400
200
0
−200
−400
−600

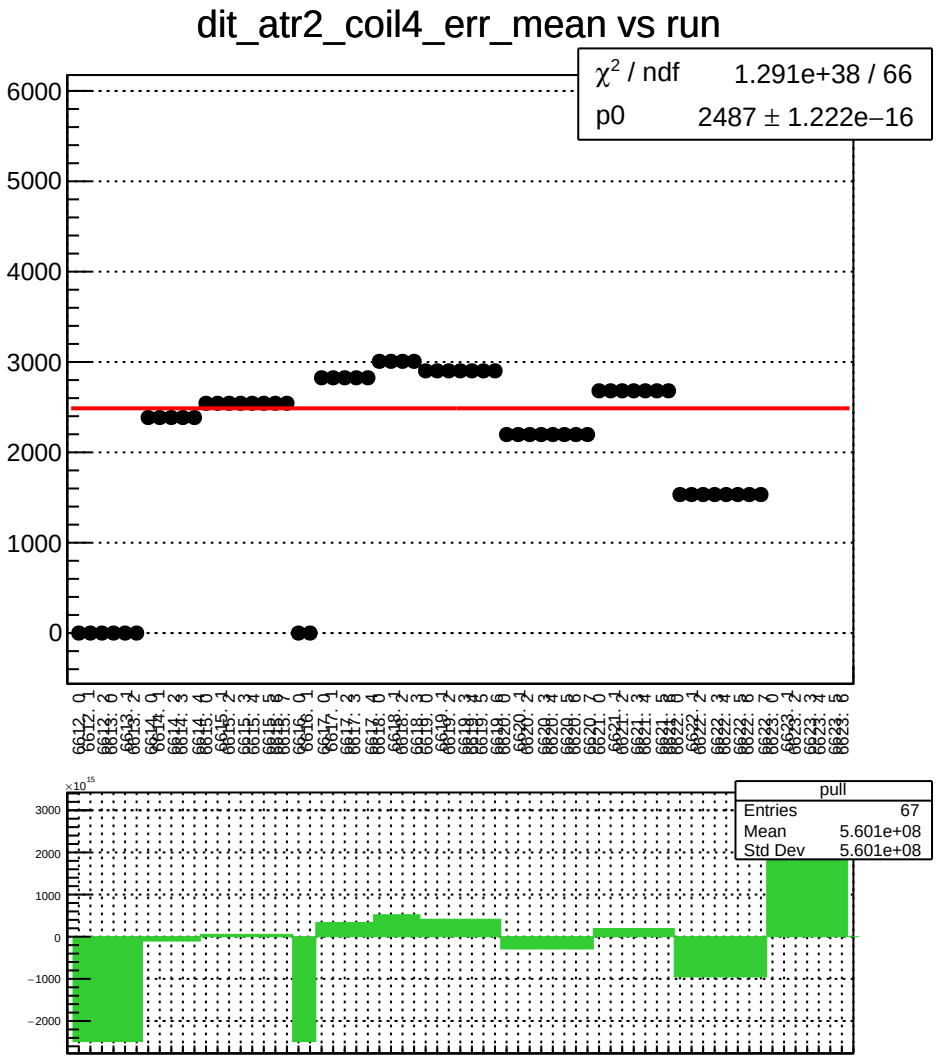

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

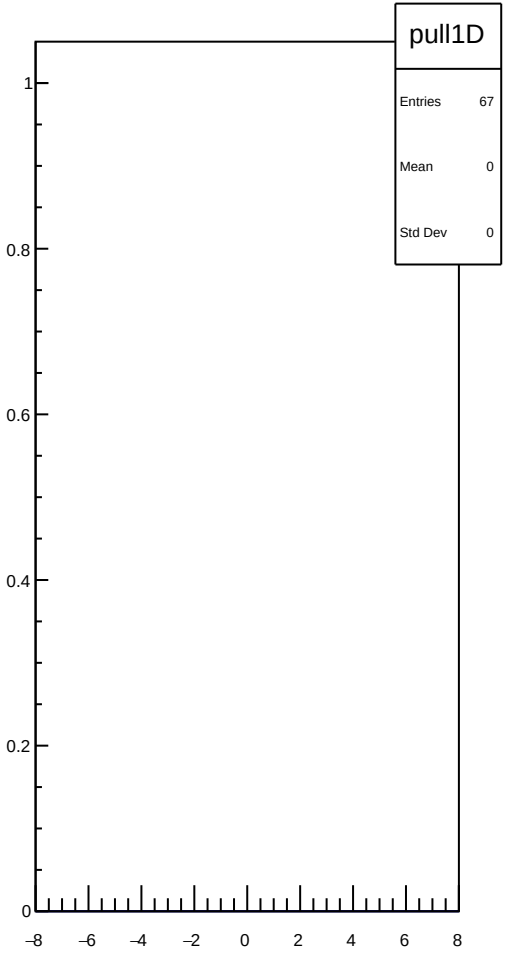
dit_atr1_coil4_Ndata_mean vs run



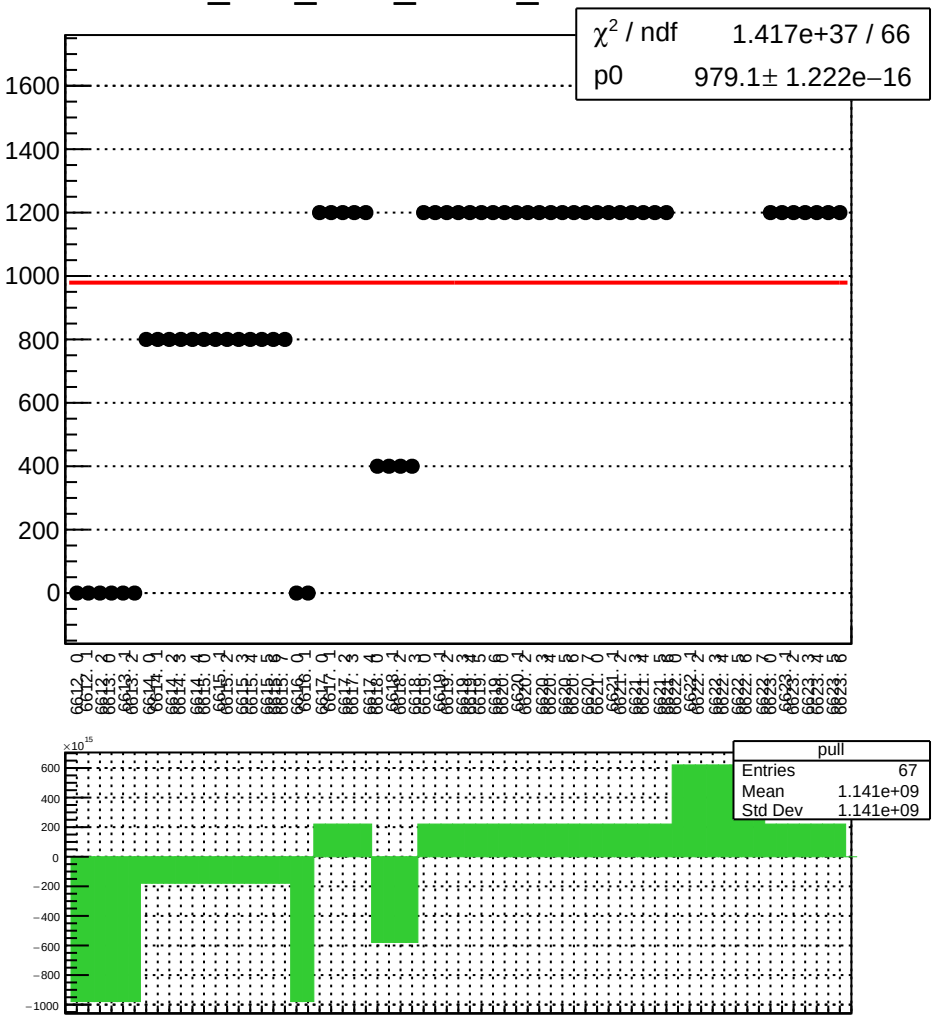


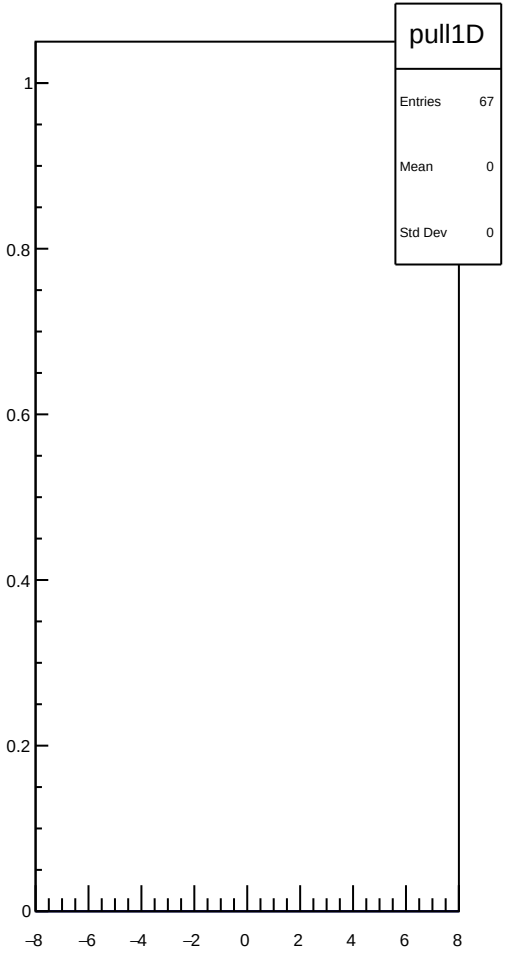

dit_atr2_coil4_mean vs run
χ² / ndf inf / 66
p0 2.988e+04 ± 1.222e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean 8.255e+09
Std Dev 8.255e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_coil4_err_mean vs run
χ² / ndf 1.291e+38 / 66
p0 2487 ± 1.222e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean 5.601e+08
Std Dev 5.601e+08
×10^15
3000
2000
1000
0
−1000
−2000

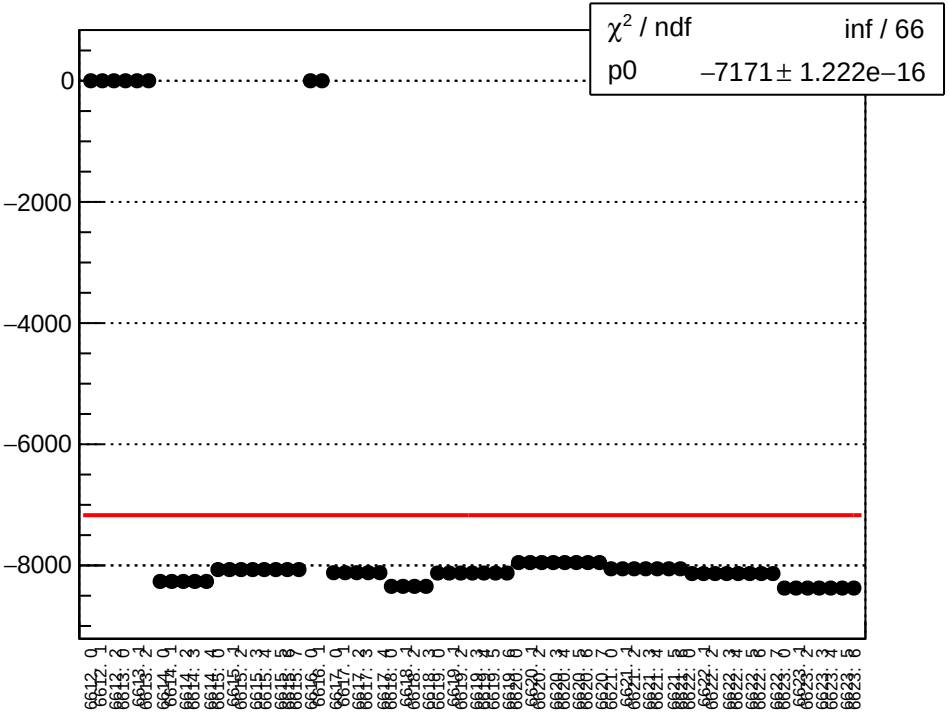

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

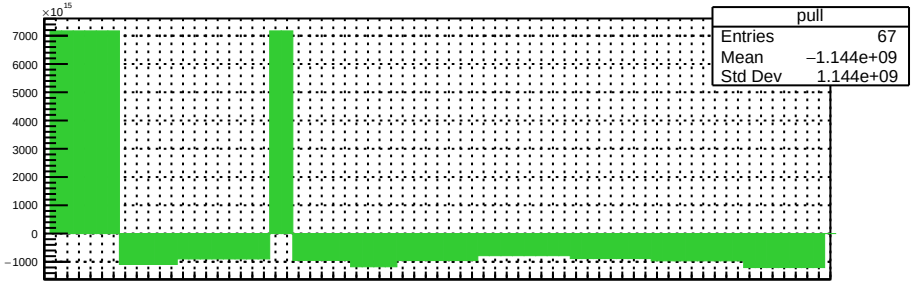
dit_atr2_coil4_Ndata_mean vs run

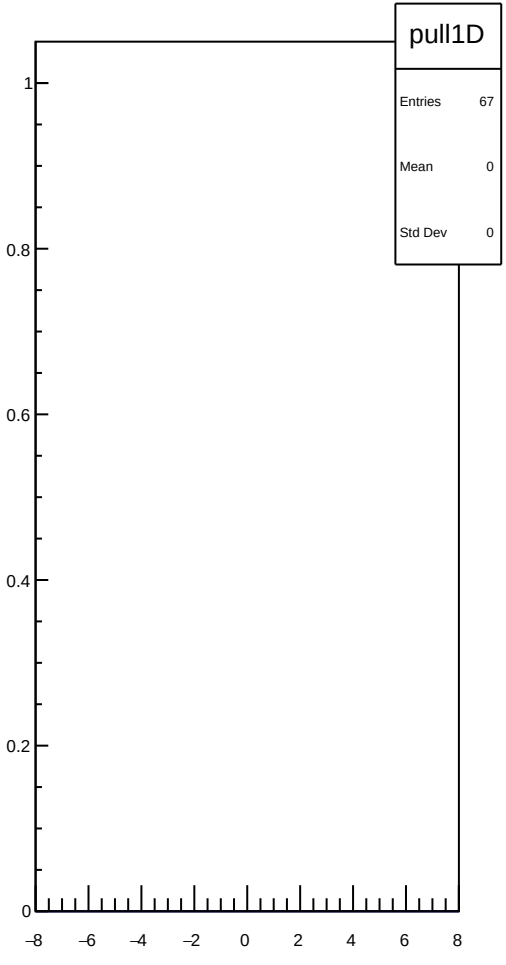


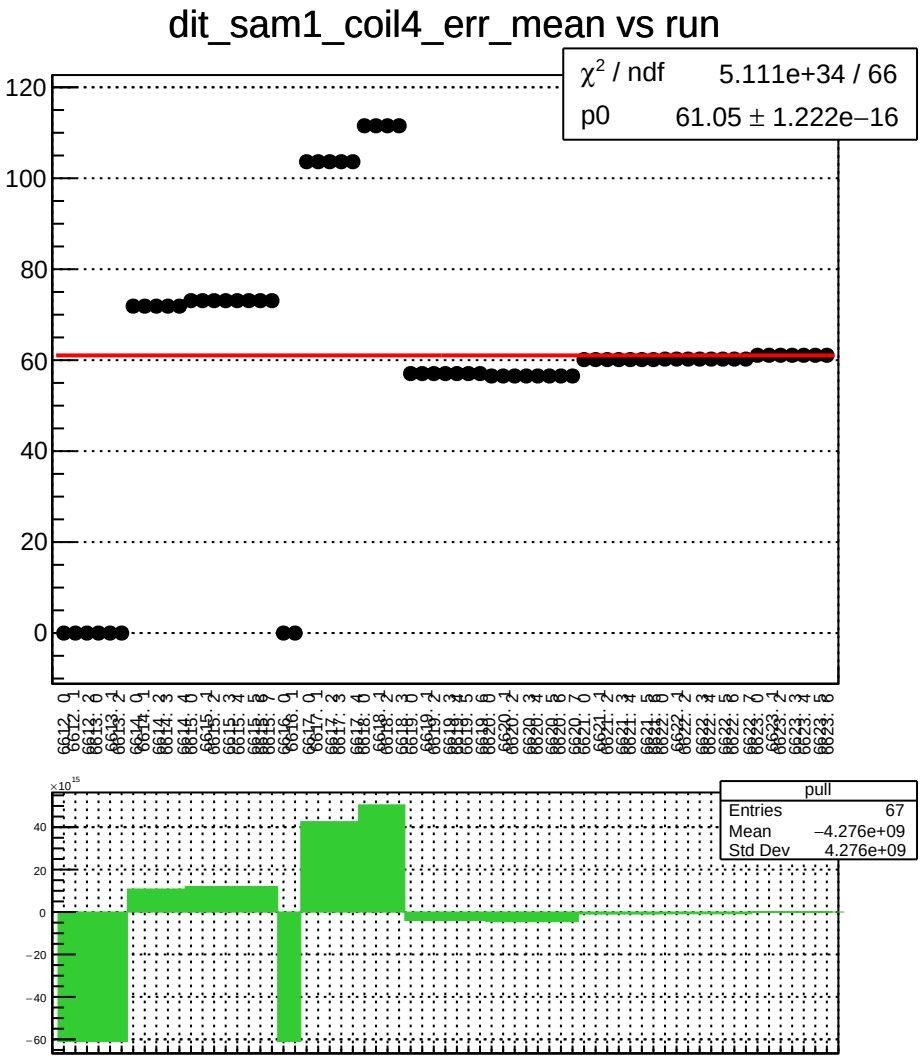


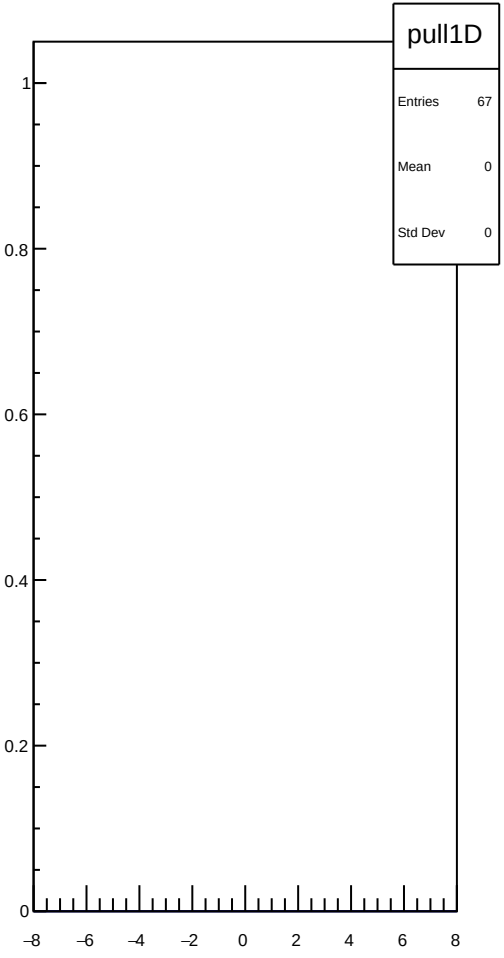
dit_sam1_coil4_mean vs run

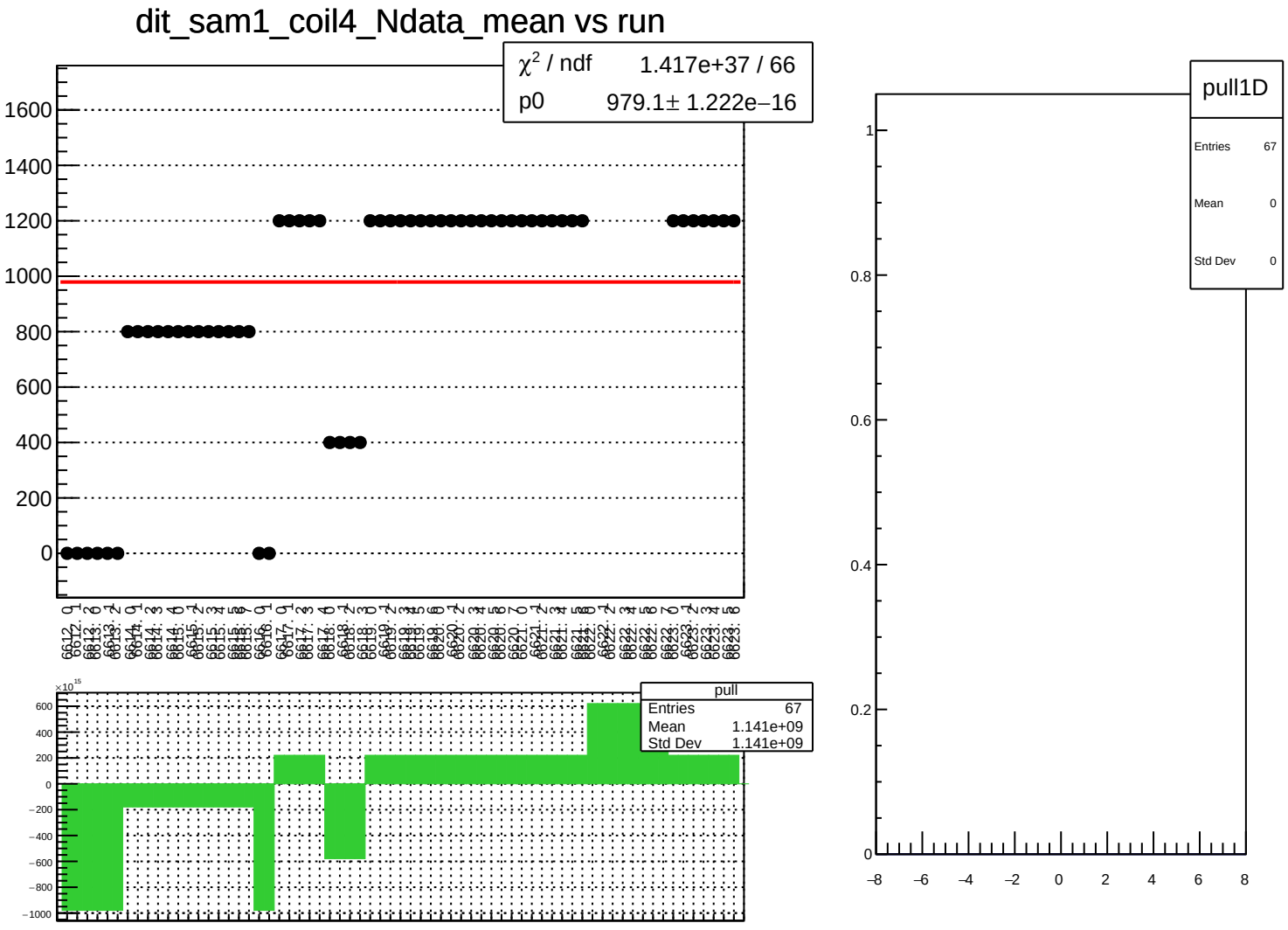


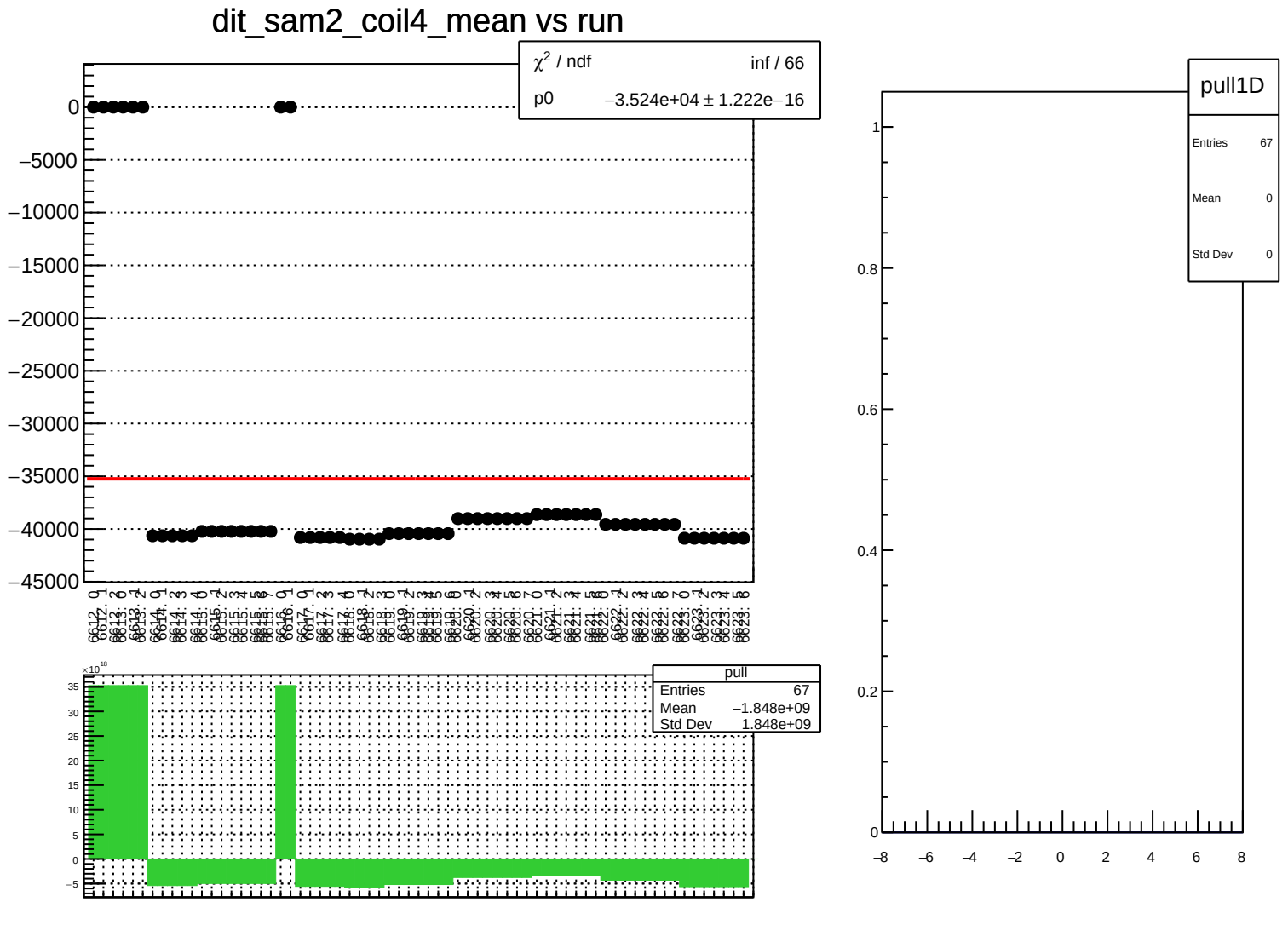




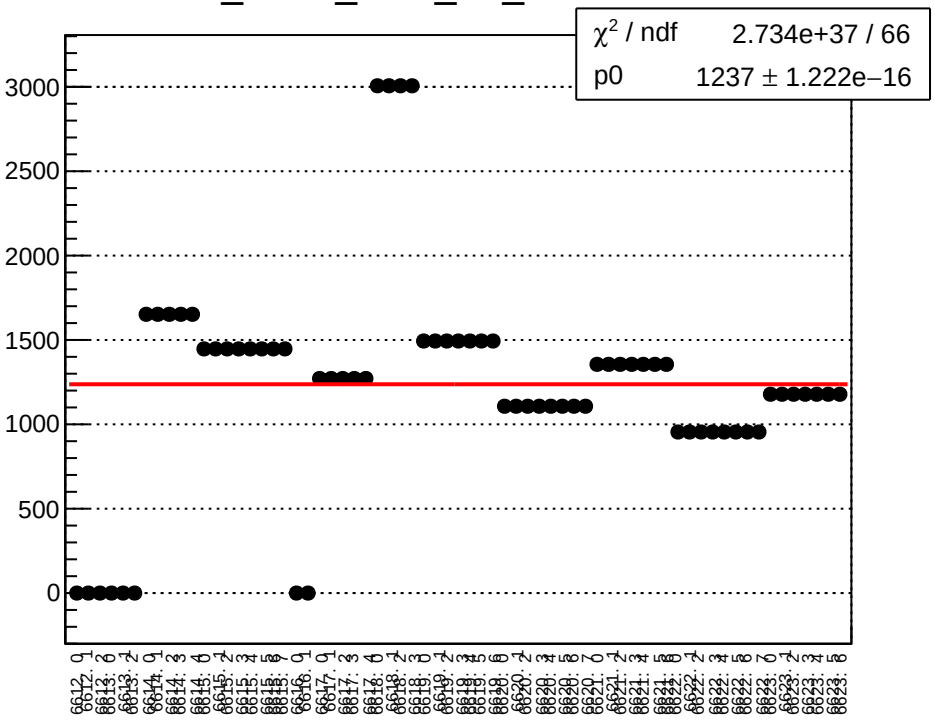

dit_sam1_coil4_err_mean vs run
χ² / ndf 5.111e+34 / 66
p0 61.05 ± 1.222e−16
pull
Entries 67
Mean −4.276e+09
Std Dev 4.276e+09

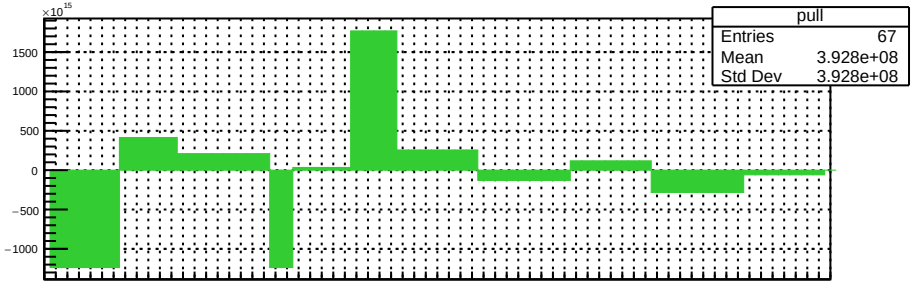

pull1D
Entries 67
Mean 0
Std Dev 0

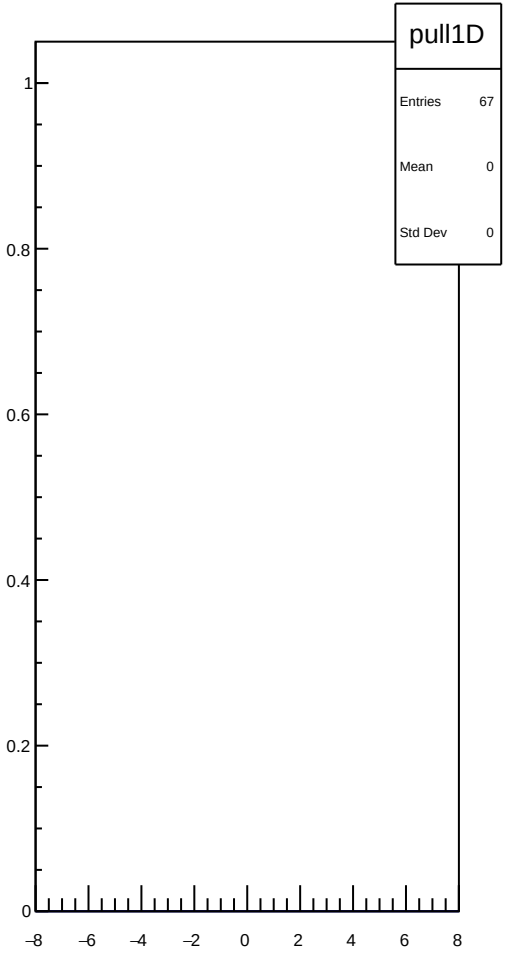

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 1.417e+37 / 66
p0 979.1± 1.222e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

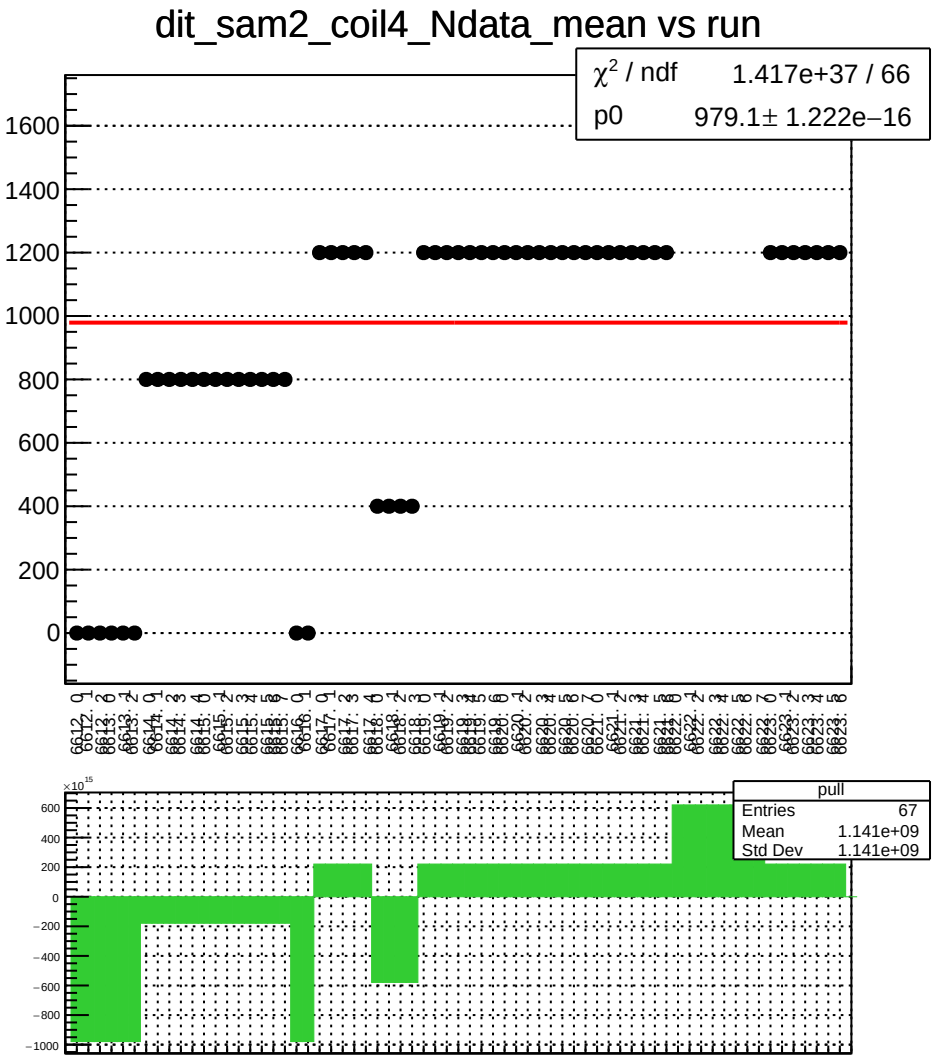

dit_sam2_coil4_mean vs run
χ² / ndf inf / 66
p0 −3.524e+04 ± 1.222e−16
pull
Entries 67
Mean −1.848e+09
Std Dev 1.848e+09
pull1D
Entries 67
Mean 0
Std Dev 0

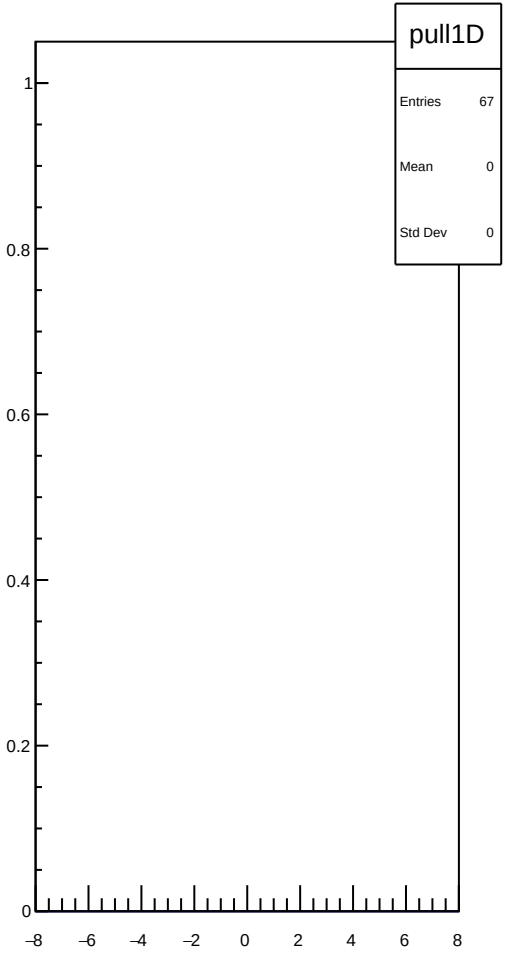
dit_sam2_coil4_err_mean vs run



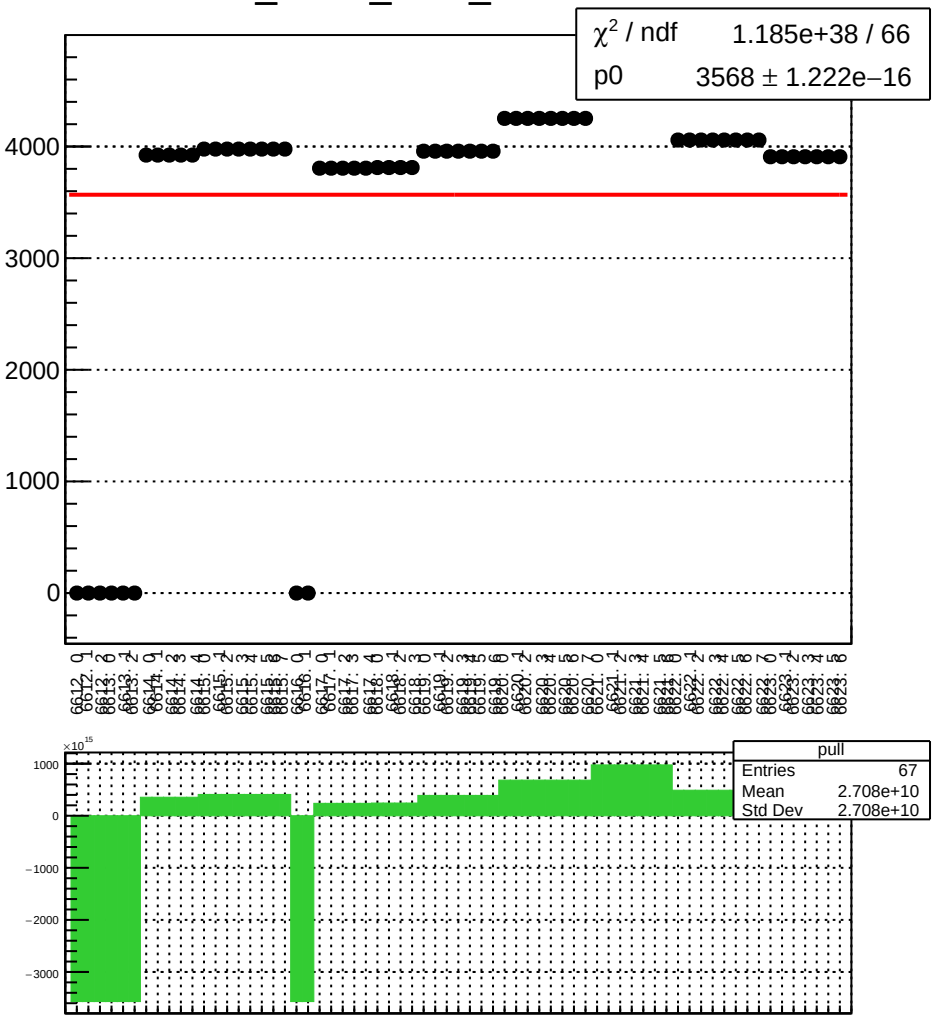


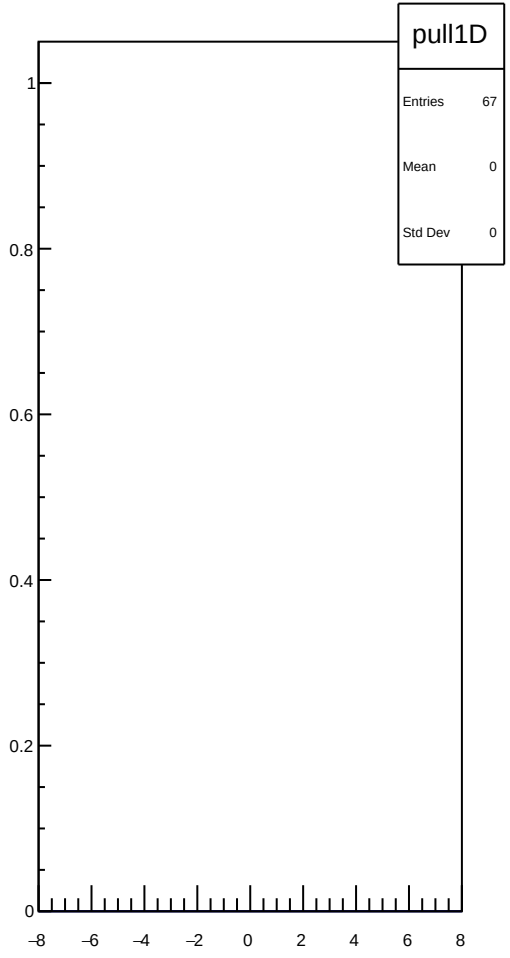


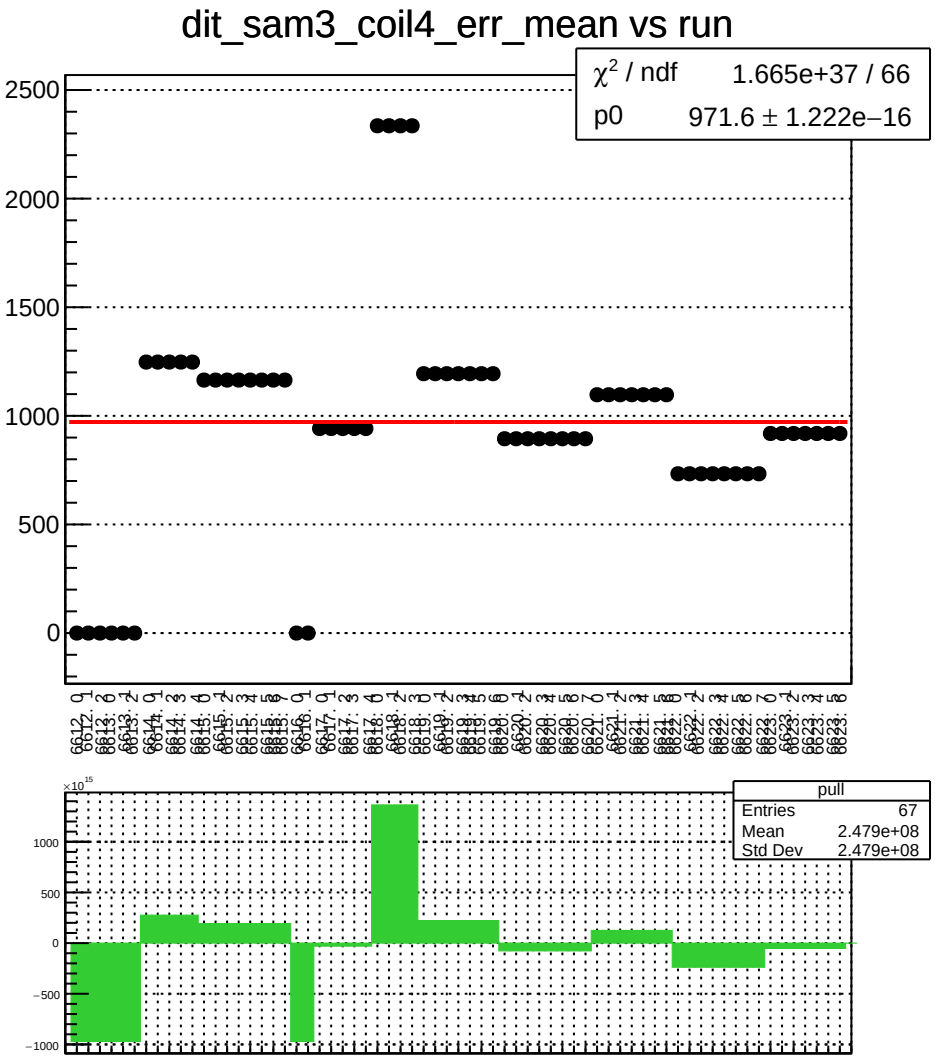

dit_sam2_coil4_Ndata_mean vs run
χ^2 / ndf 1.417e+37 / 66
p0 979.1± 1.222e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 1.141e+09
Std Dev 1.141e+09
×10^15
600
400
200
0
−200
−400
−600
−800
−1000

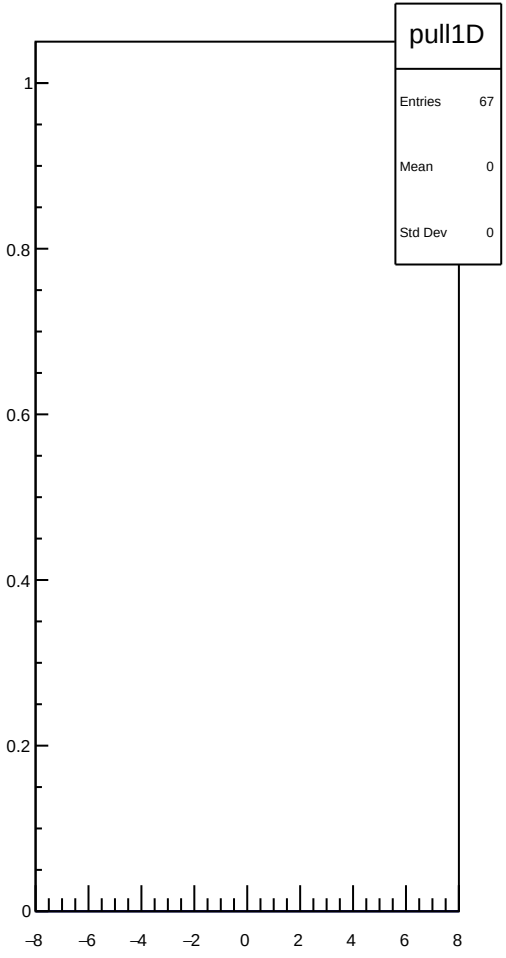

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_mean vs run

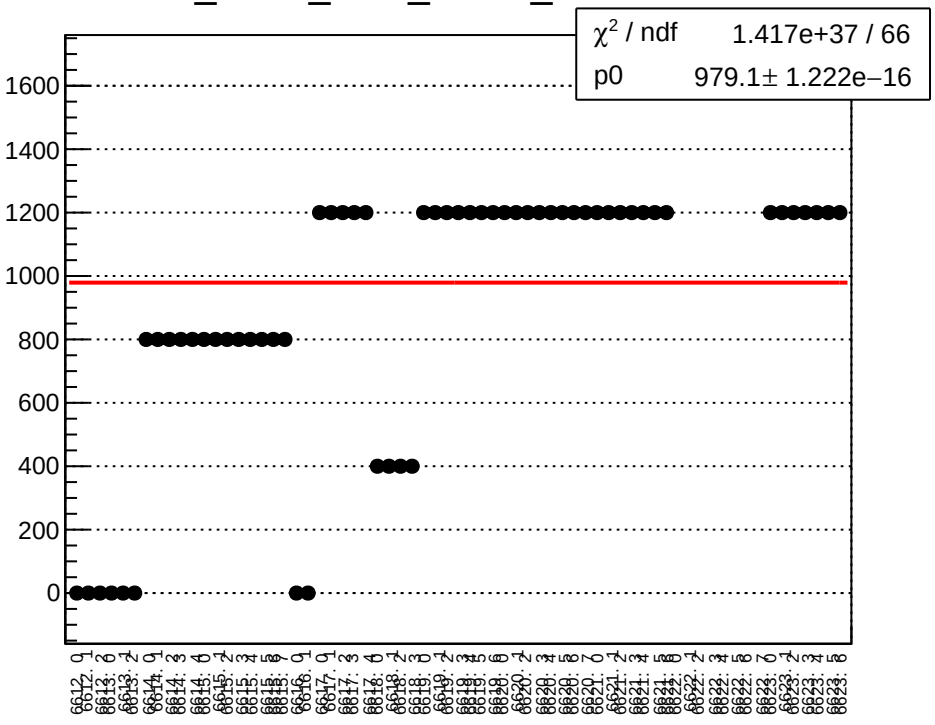


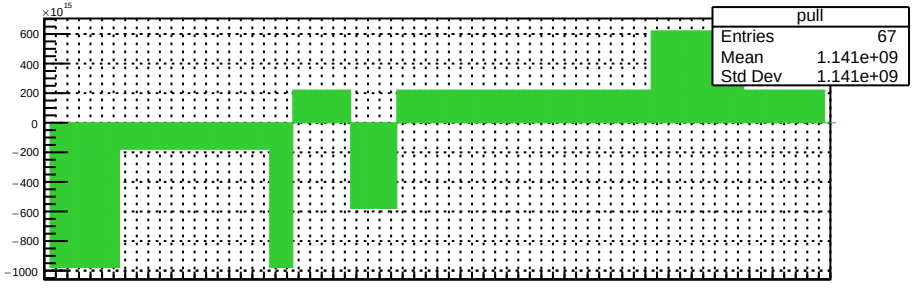


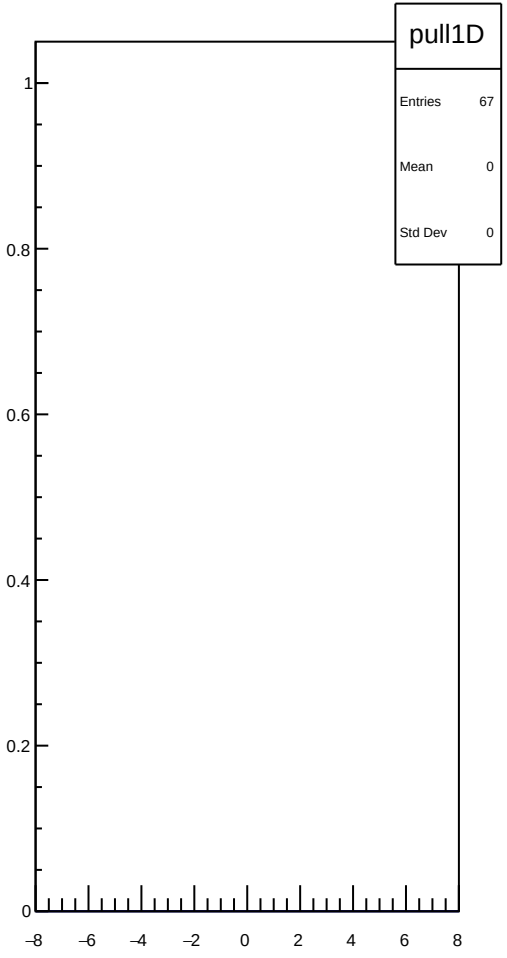

dit_sam3_coil4_err_mean vs run
χ² / ndf 1.665e+37 / 66
p0 971.6 ± 1.222e−16
2500
2000
1500
1000
500
0
pull
Entries 67
Mean 2.479e+08
Std Dev 2.479e+08
×10¹⁵
1000
500
0
−500
−1000

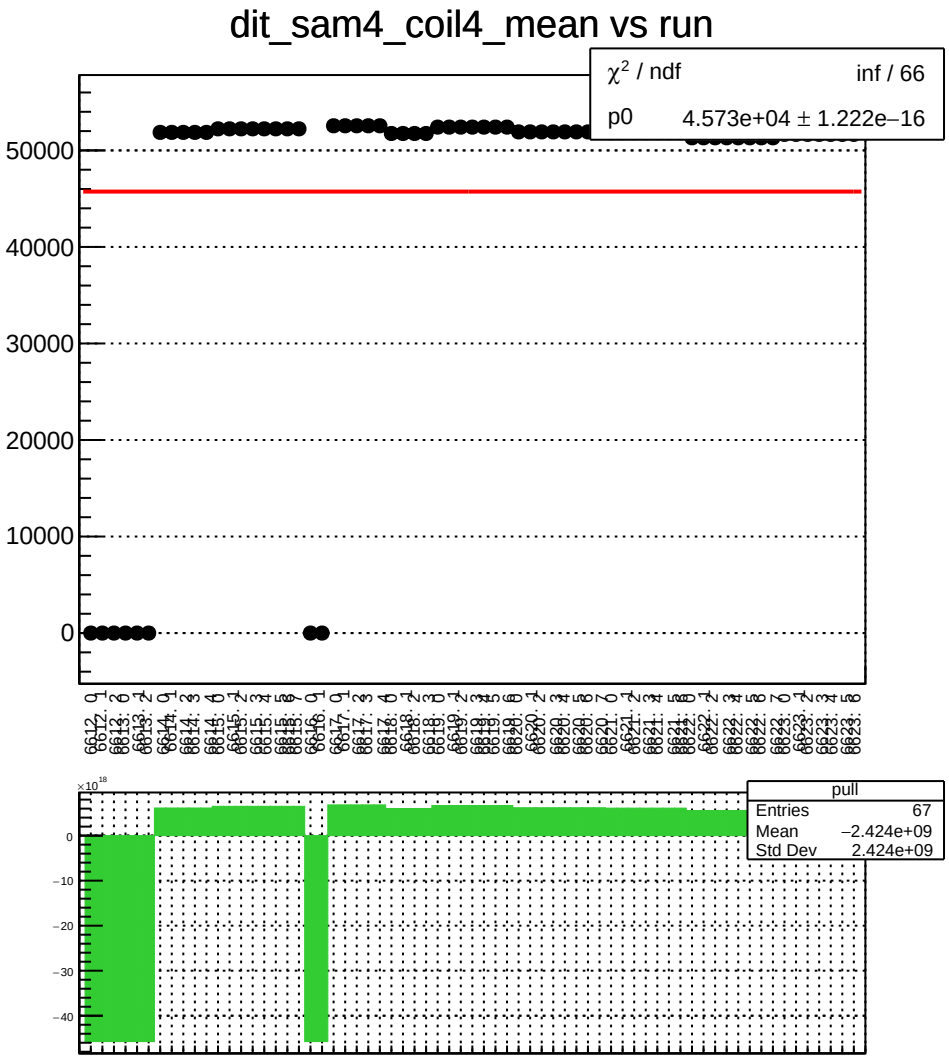

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

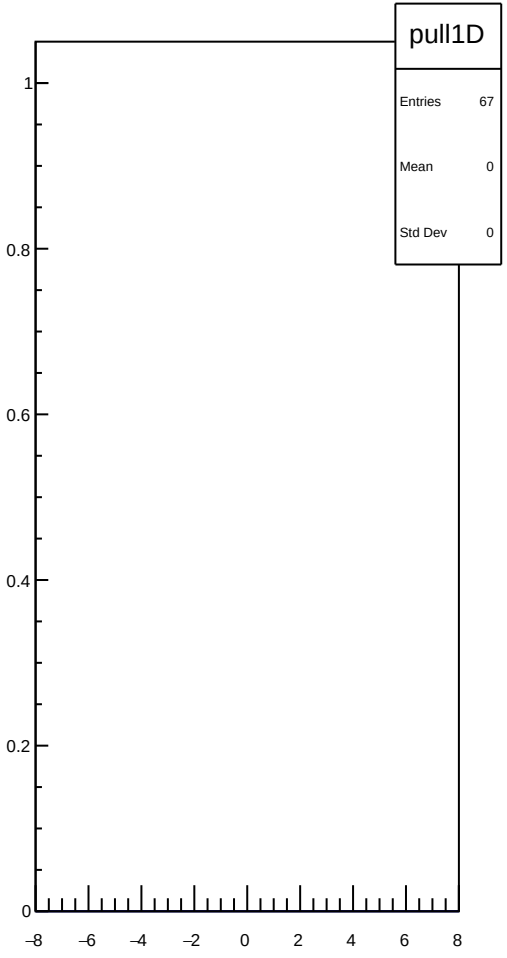
dit_sam3_coil4_Ndata_mean vs run

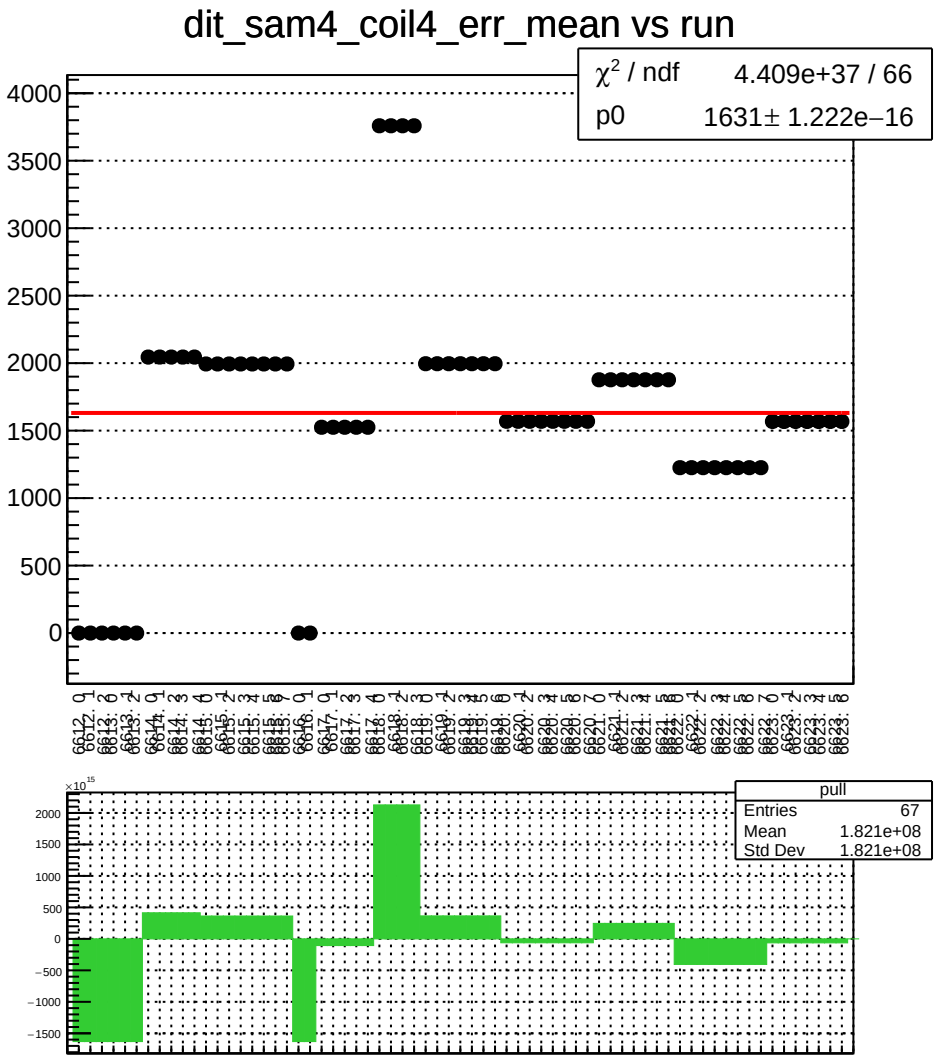


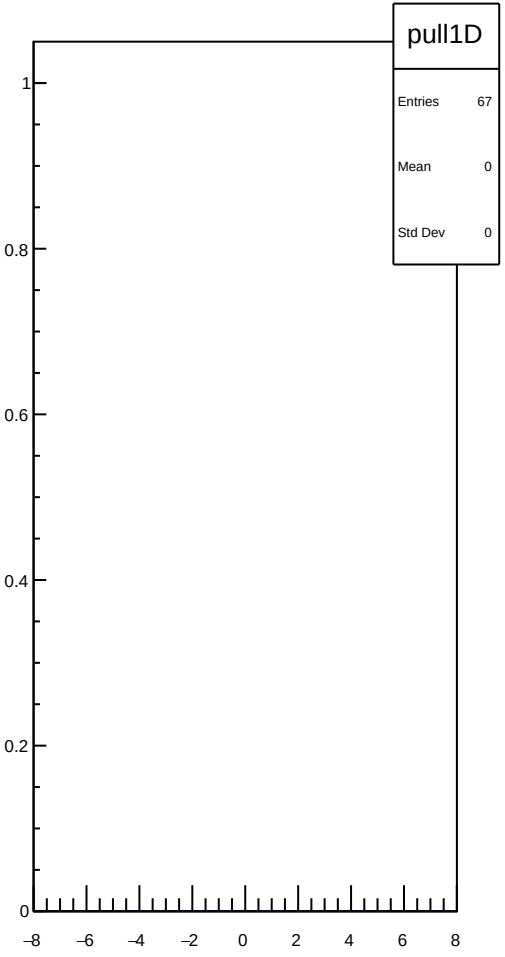


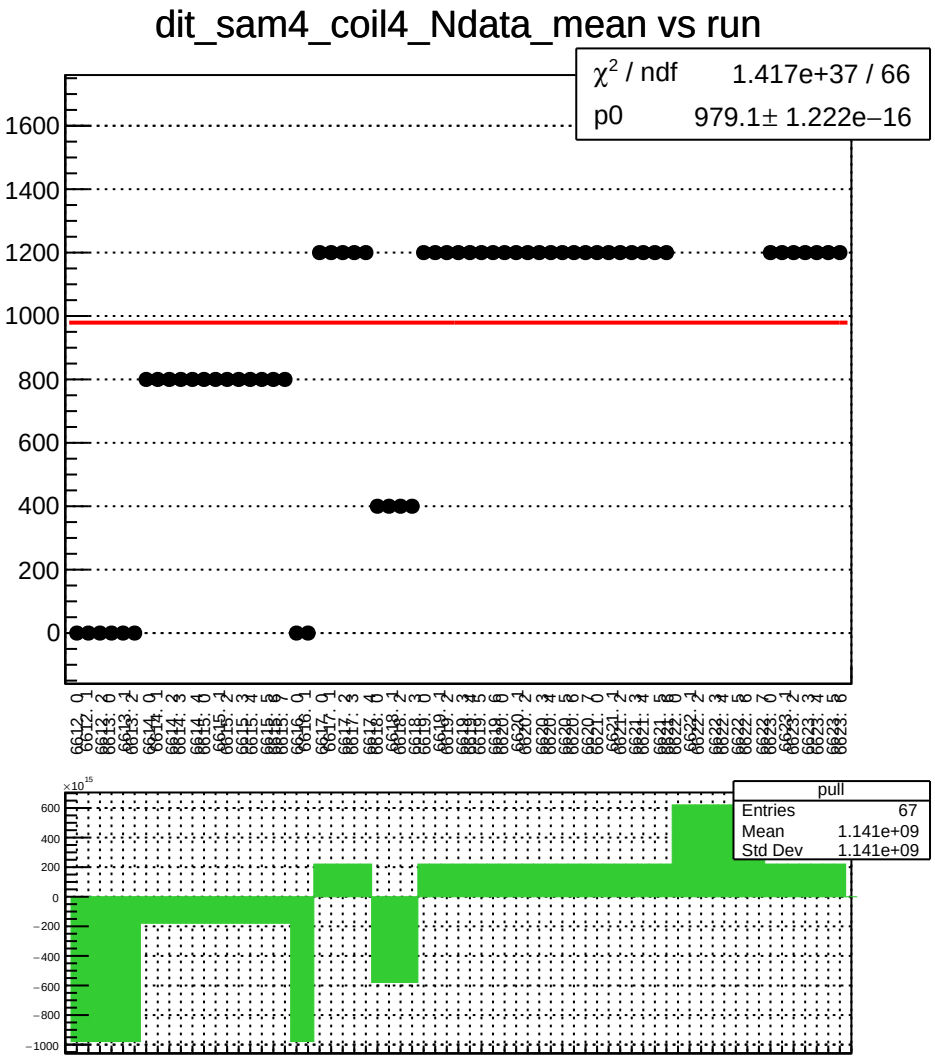


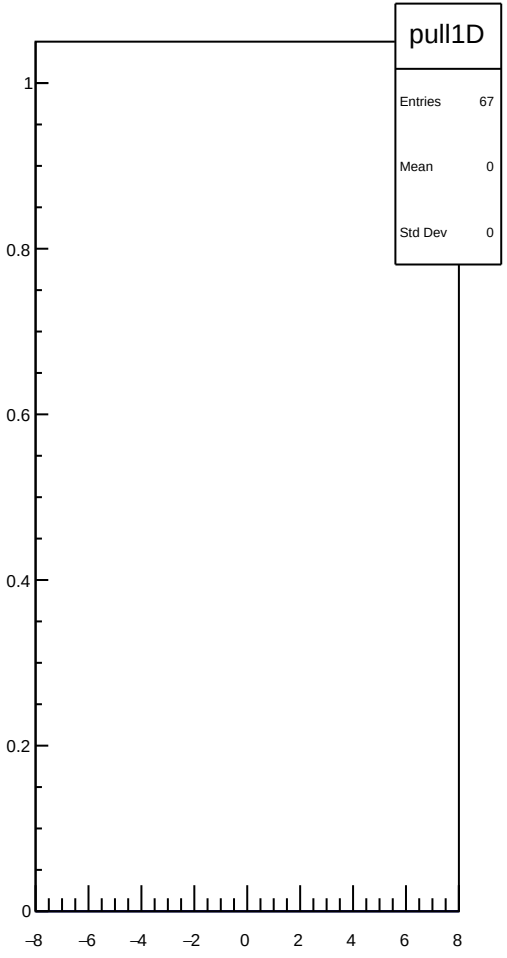

dit_sam4_coil4_mean vs run
χ² / ndf inf / 66
p0 4.573e+04 ± 1.222e−16
50000
40000
30000
20000
10000
0
pull
Entries 67
Mean −2.424e+09
Std Dev 2.424e+09
×10¹⁸
0
−10
−20
−30
−40

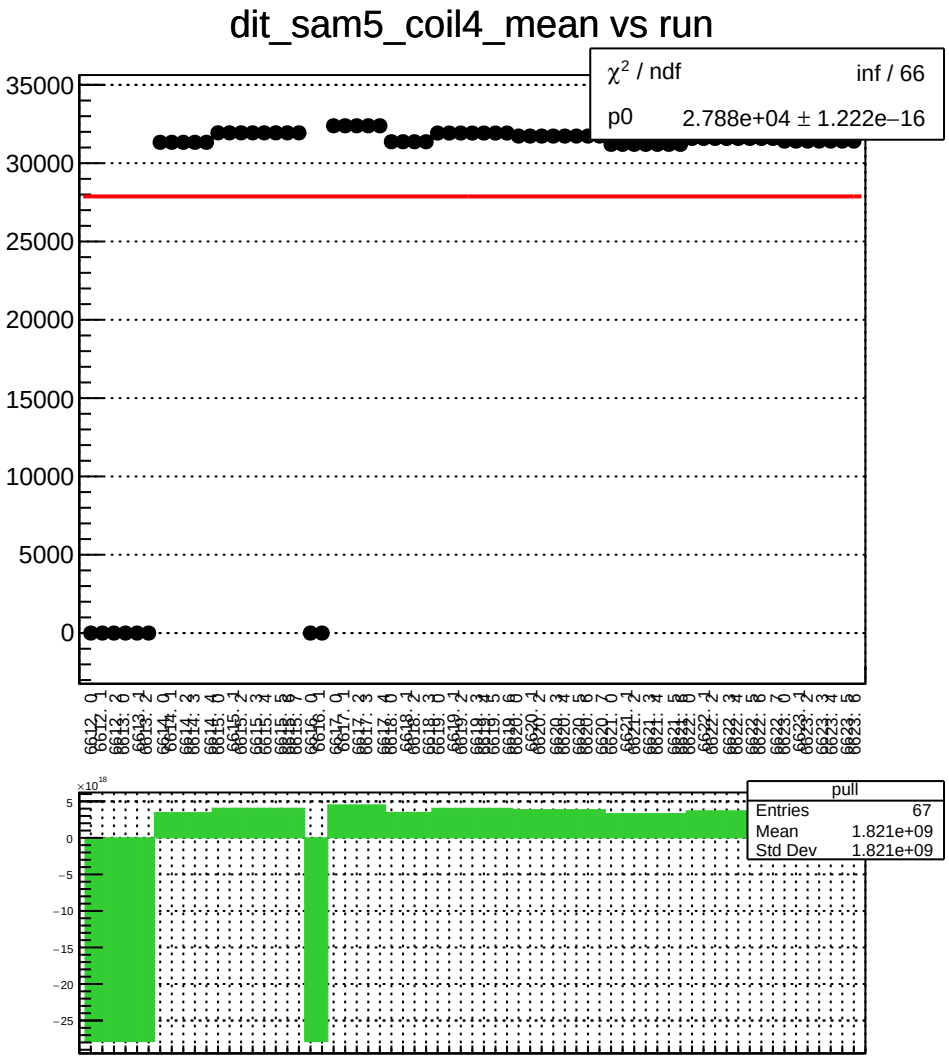

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

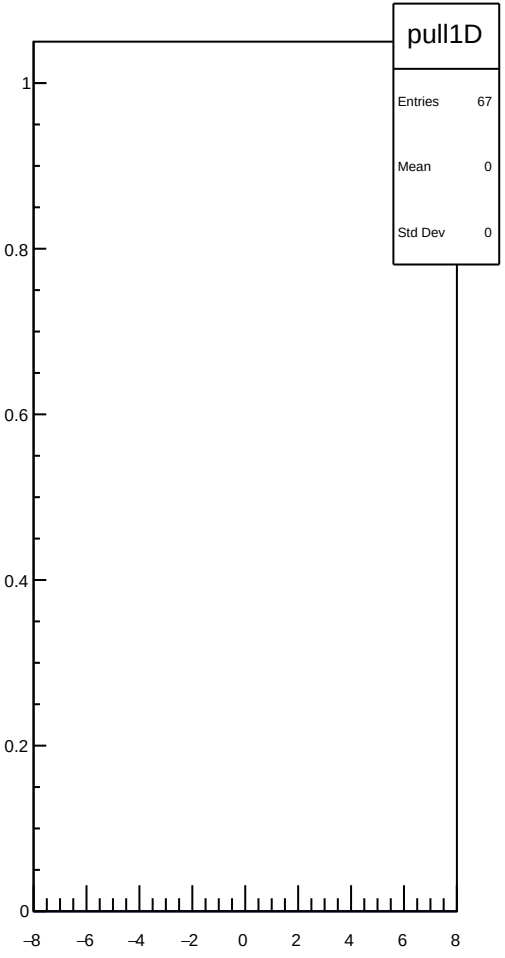

dit_sam4_coil4_err_mean vs run
χ² / ndf 4.409e+37 / 66
p0 1631± 1.222e−16
pull
Entries 67
Mean 1.821e+08
Std Dev 1.821e+08


pull1D
Entries 67
Mean 0
Std Dev 0


dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.417e+37 / 66
p0 979.1± 1.222e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 67
Mean 1.141e+09
Std Dev 1.141e+09
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000


pull1D
Entries 67
Mean 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_mean vs run
χ² / ndf inf / 66
p0 2.788e+04 ± 1.222e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean 1.821e+09
Std Dev 1.821e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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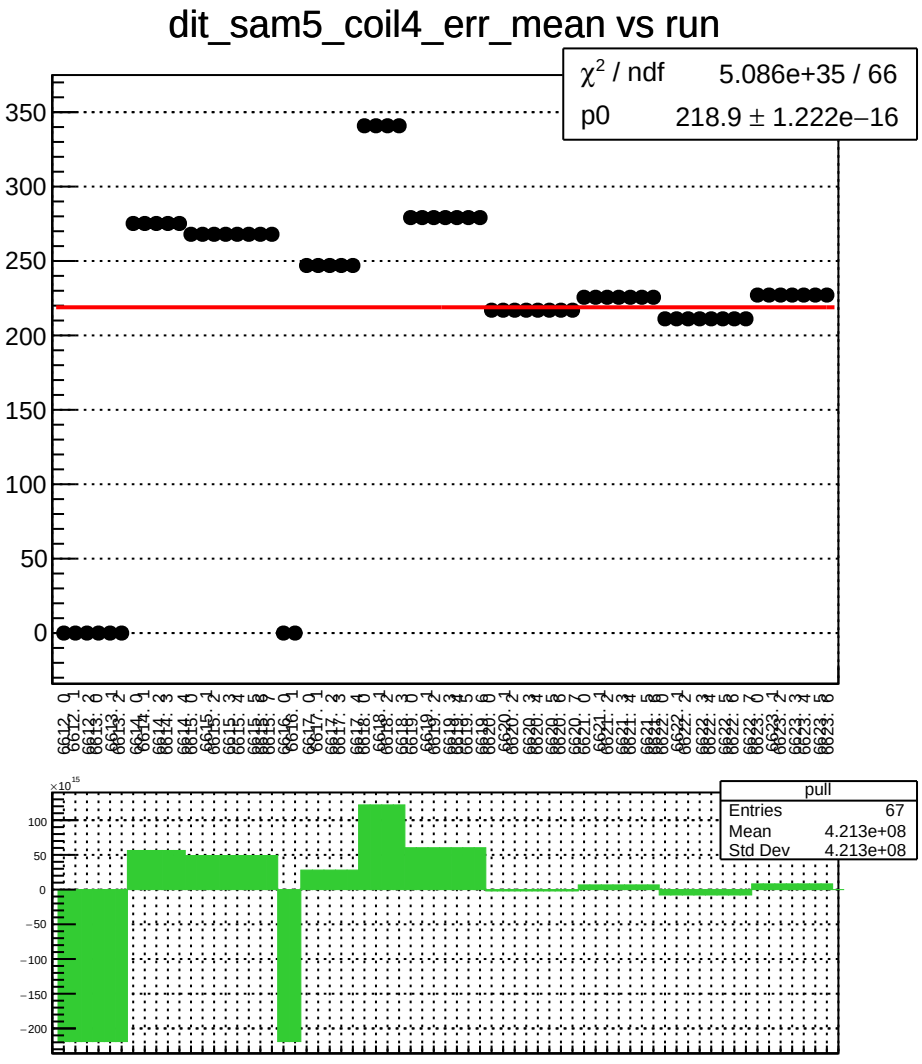
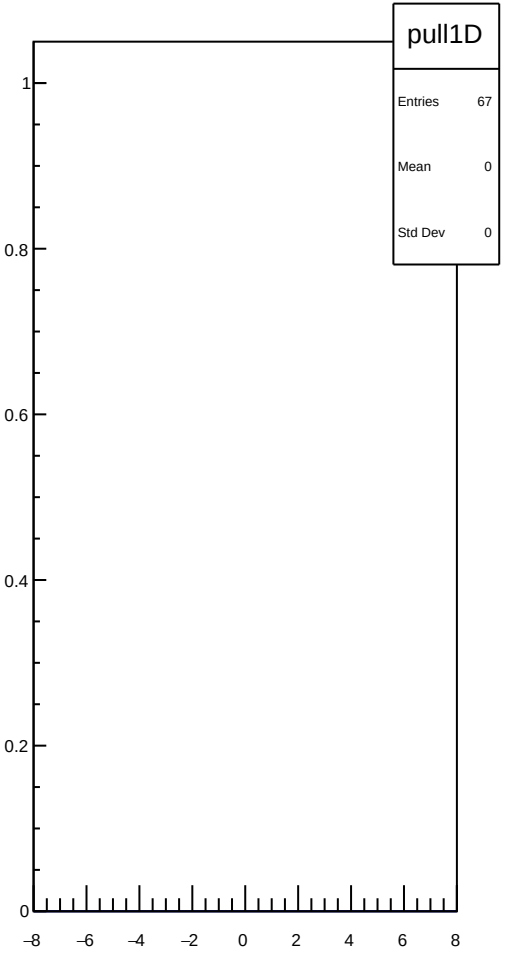
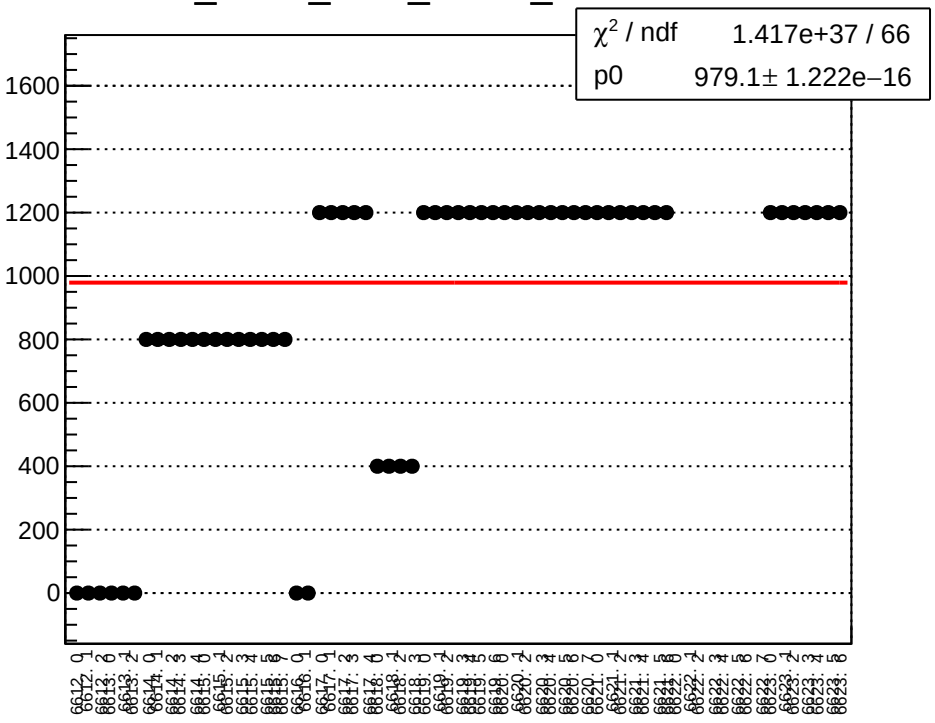
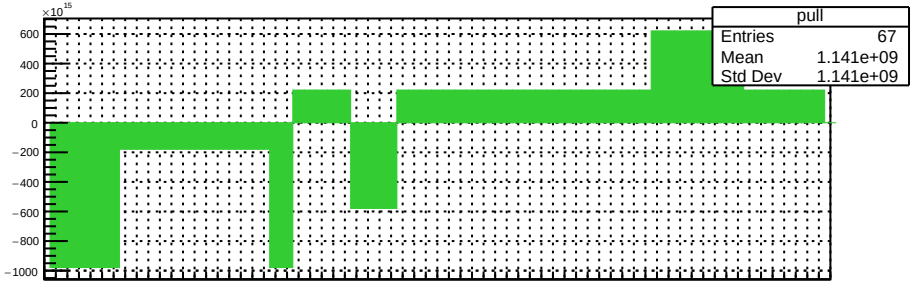
2
4
6
8

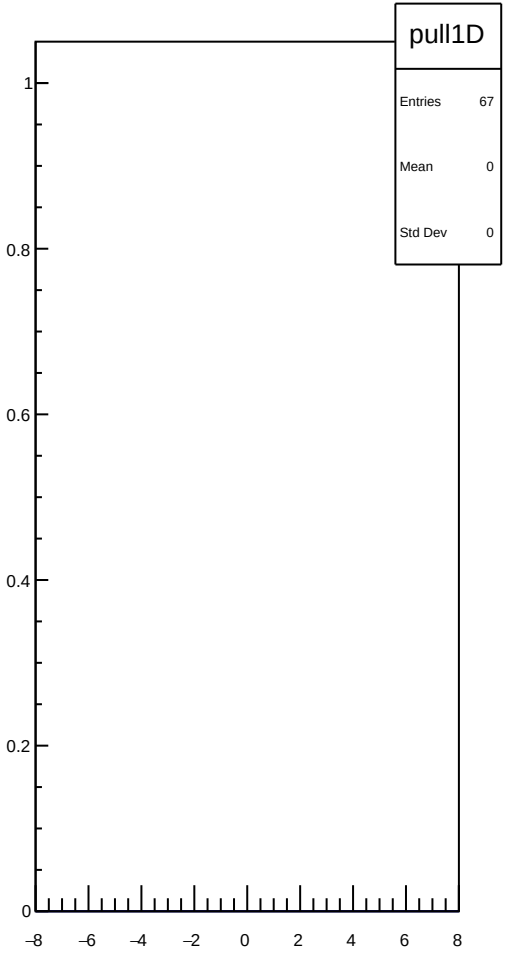

dit_sam5_coil4_err_mean vs run
χ² / ndf 5.086e+35 / 66
p0 218.9 ± 1.222e−16
pull
Entries 67
Mean 4.213e+08
Std Dev 4.213e+08

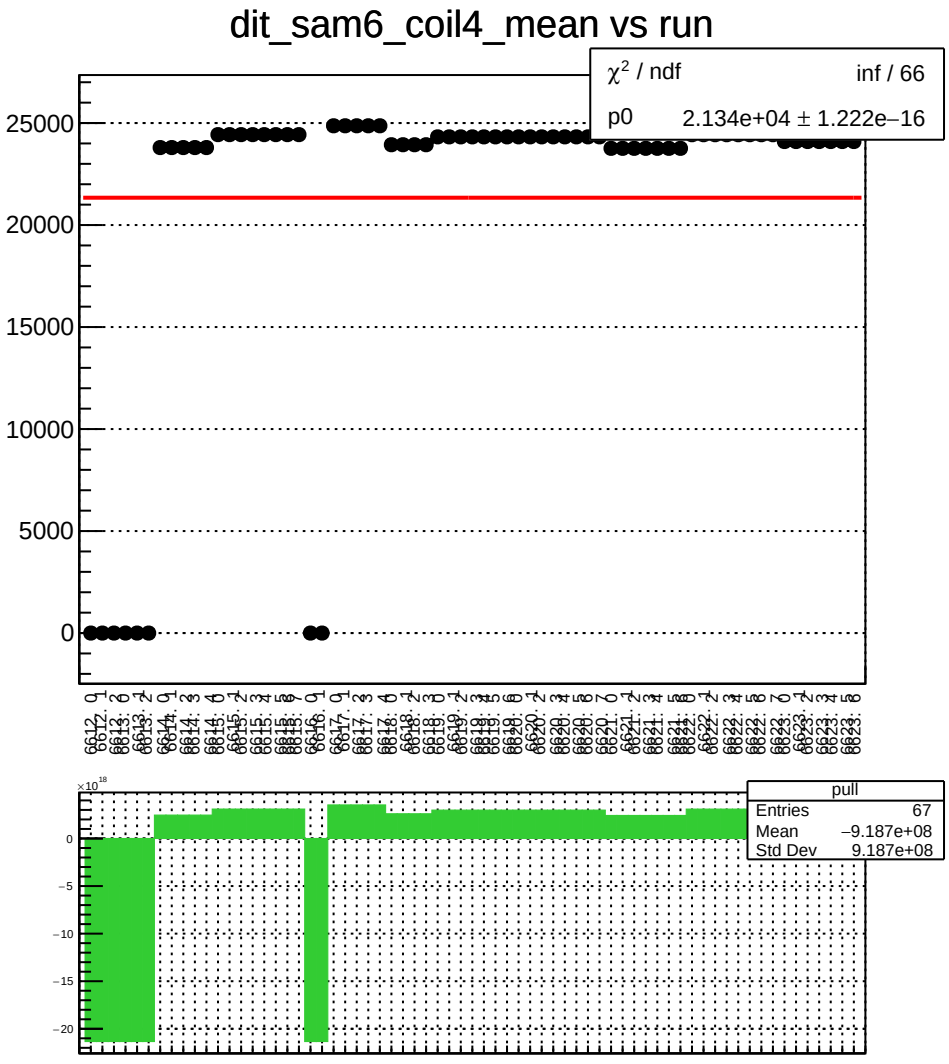

pull1D
Entries 67
Mean 0
Std Dev 0

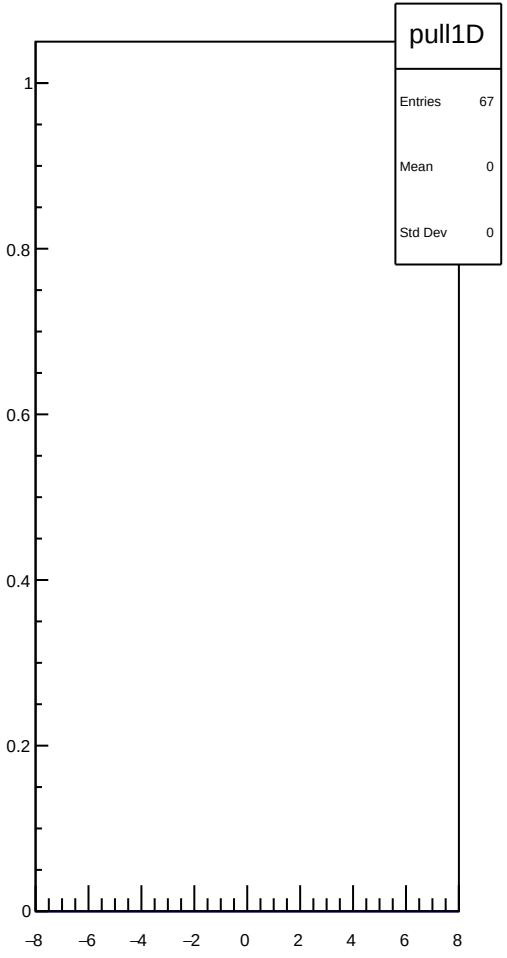
dit_sam5_coil4_Ndata_mean vs run

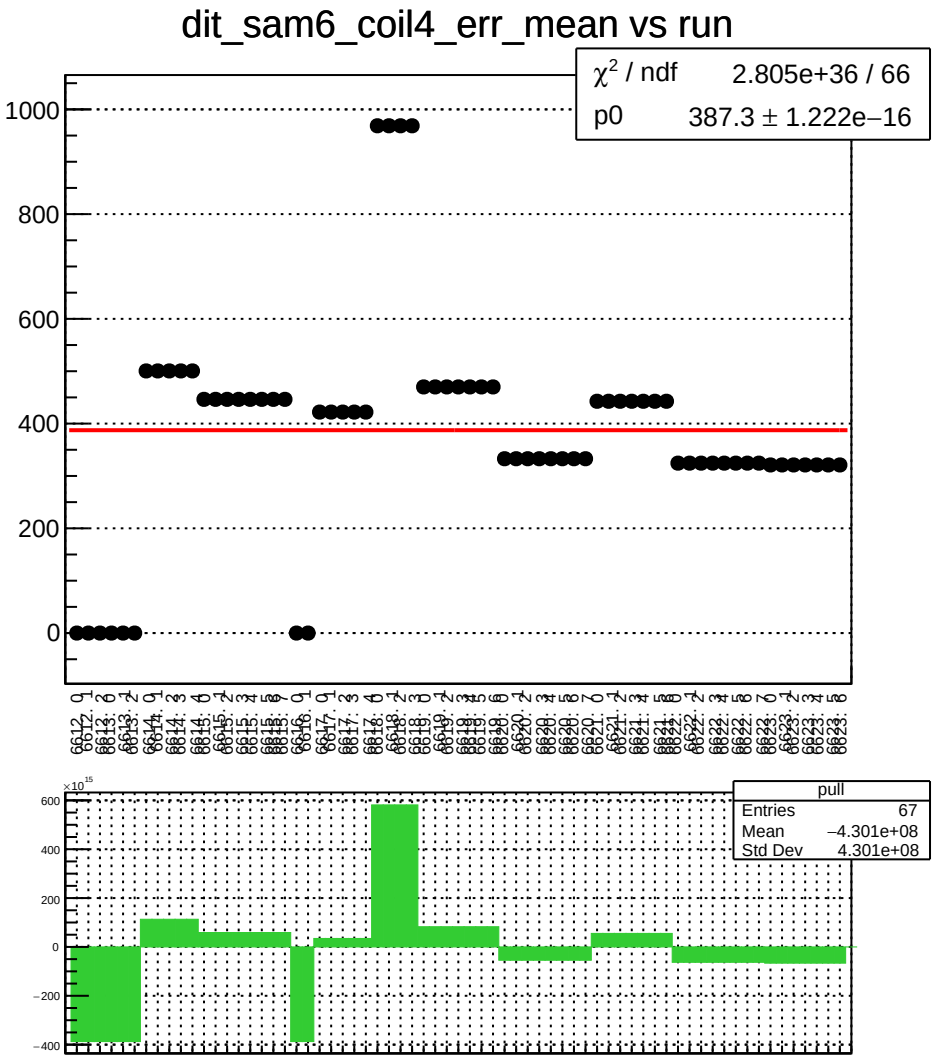


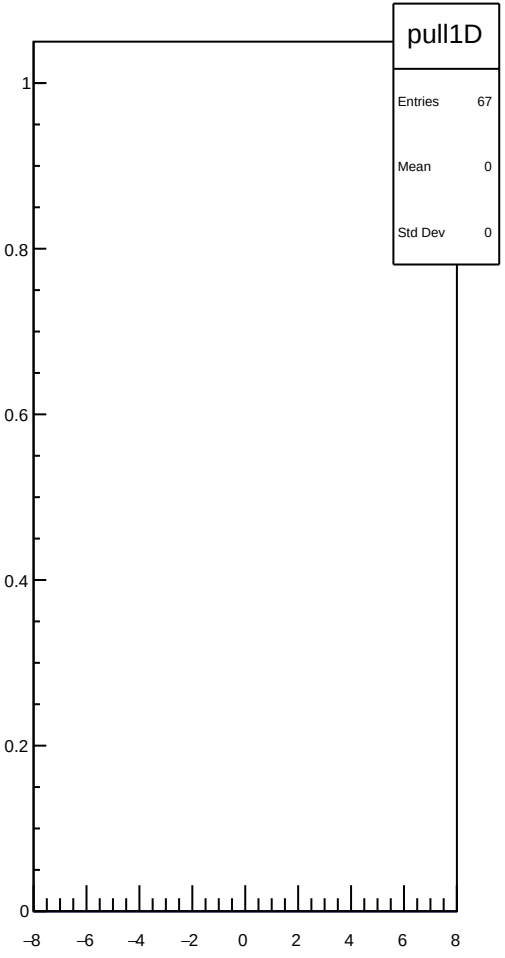


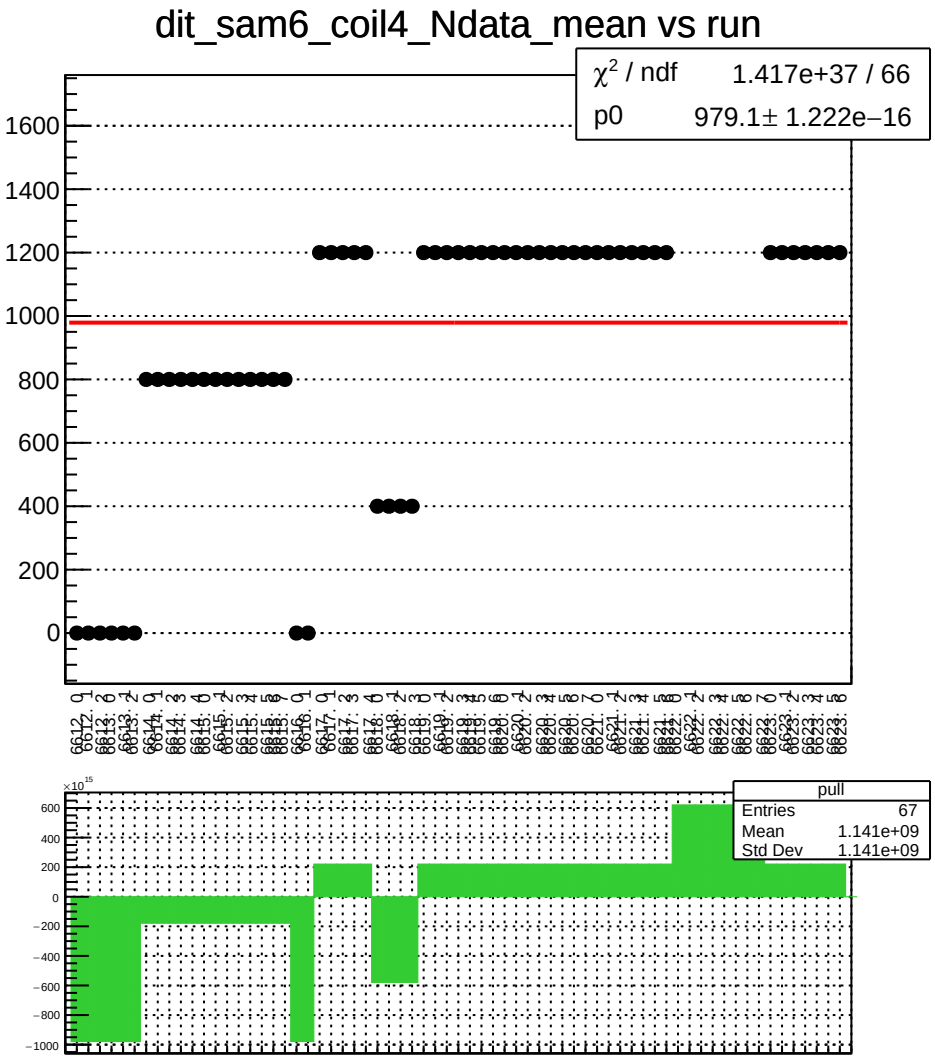


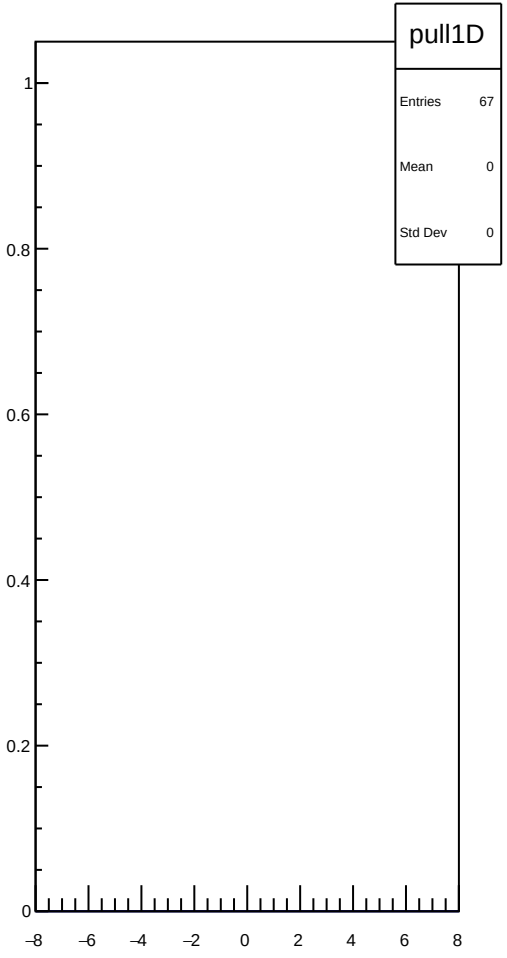

dit_sam6_coil4_mean vs run
χ² / ndf inf / 66
p0 2.134e+04 ± 1.222e−16
25000
20000
15000
10000
5000
0
pull
Entries 67
Mean −9.187e+08
Std Dev 9.187e+08
×10¹⁸
0
−5
−10
−15
−20

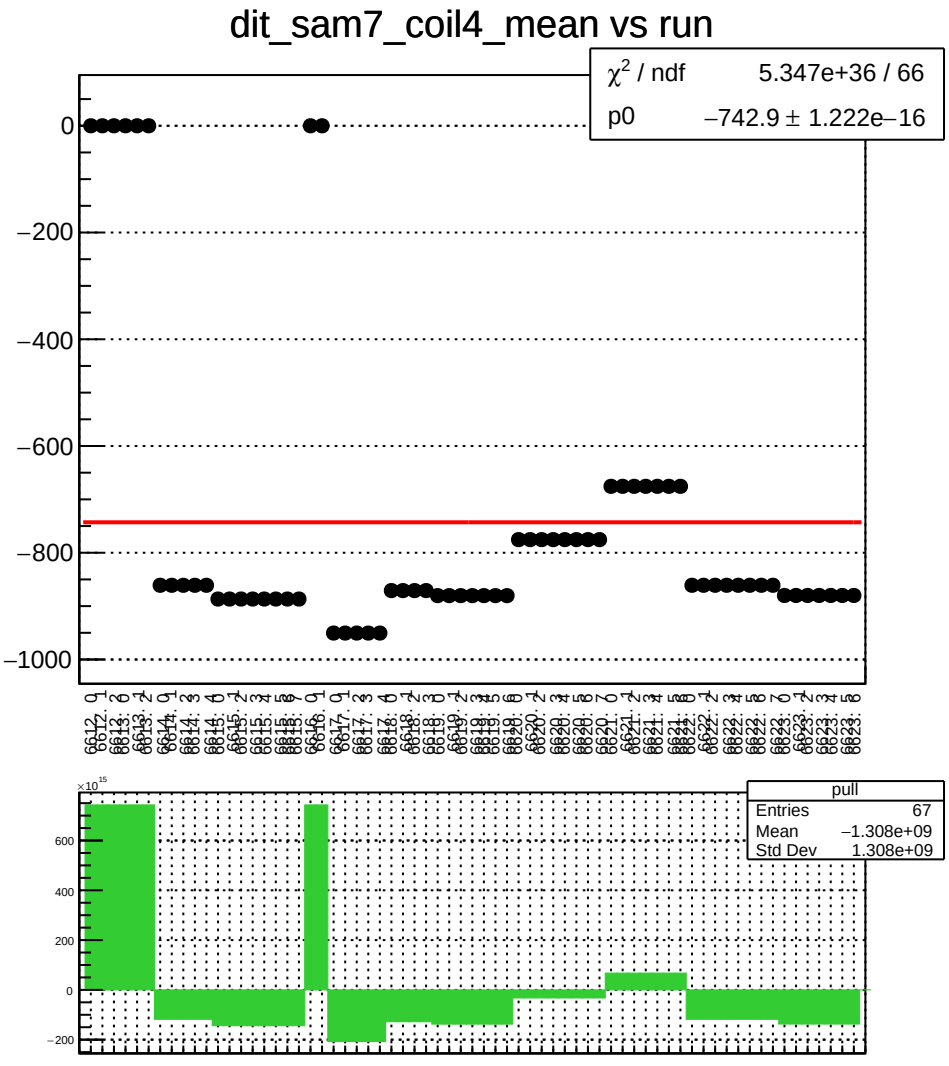

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

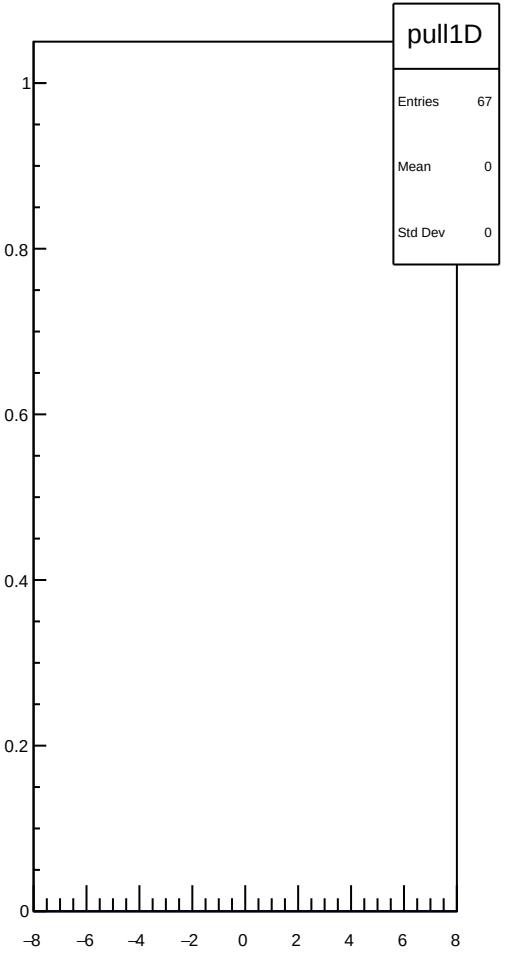

dit_sam6_coil4_err_mean vs run
χ² / ndf 2.805e+36 / 66
p0 387.3 ± 1.222e−16
pull
Entries 67
Mean −4.301e+08
Std Dev 4.301e+08

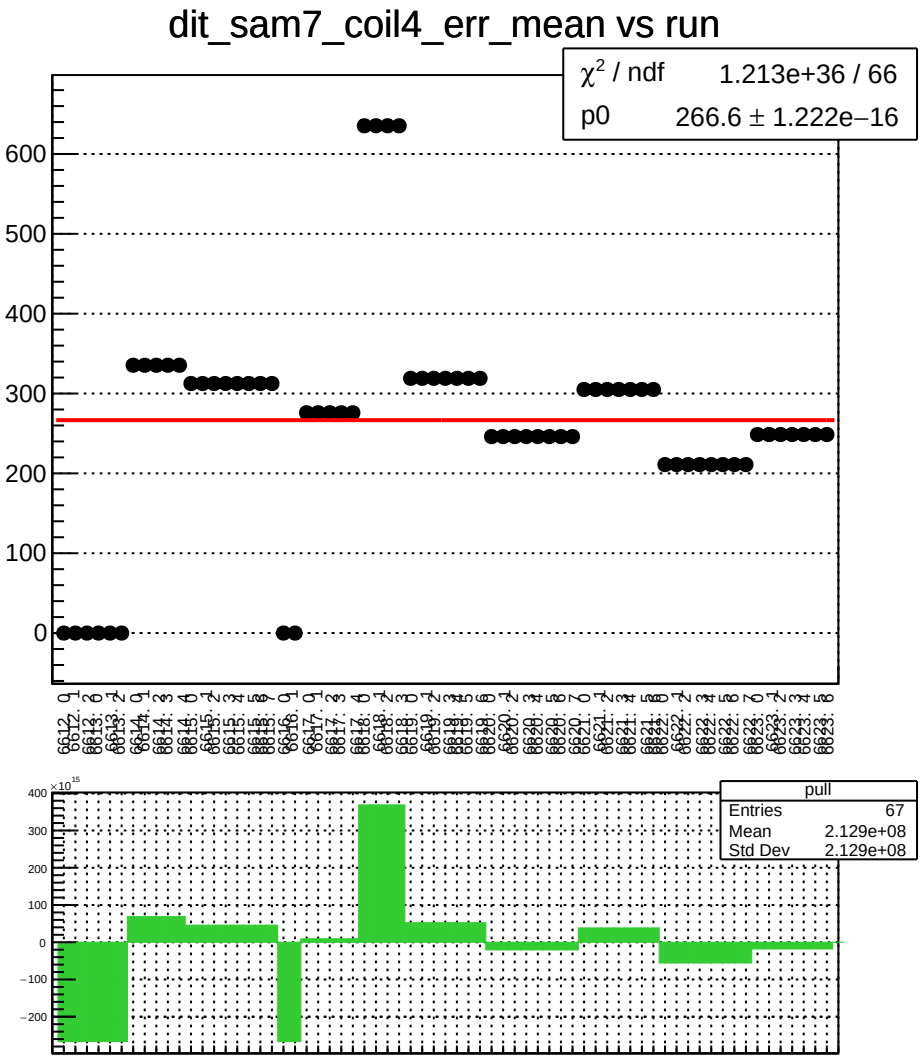

pull1D
Entries 67
Mean 0
Std Dev 0

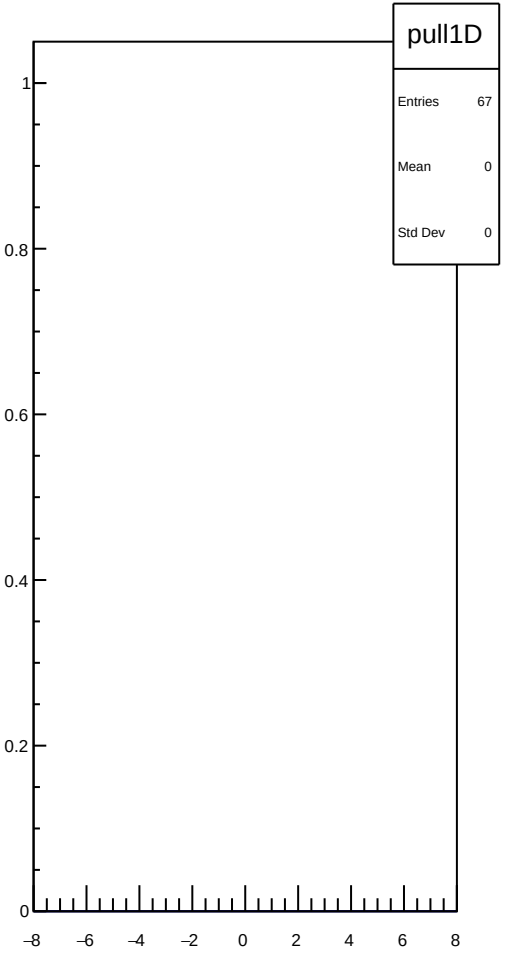

dit_sam6_coil4_Ndata_mean vs run
χ^2 / ndf 1.417e+37 / 66
p0 979.1± 1.222e−16
pull
Entries 67
Mean 1.141e+09
Std Dev 1.141e+09

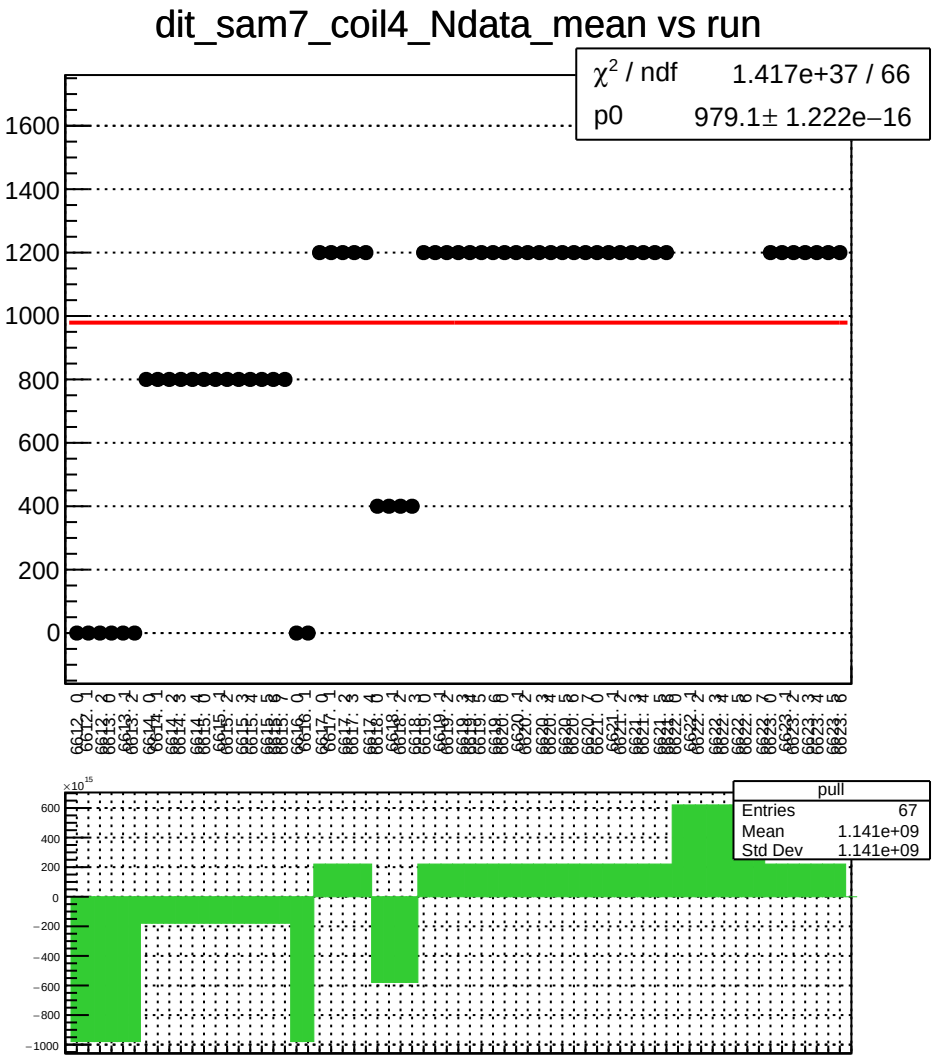

pull1D
Entries 67
Mean 0
Std Dev 0

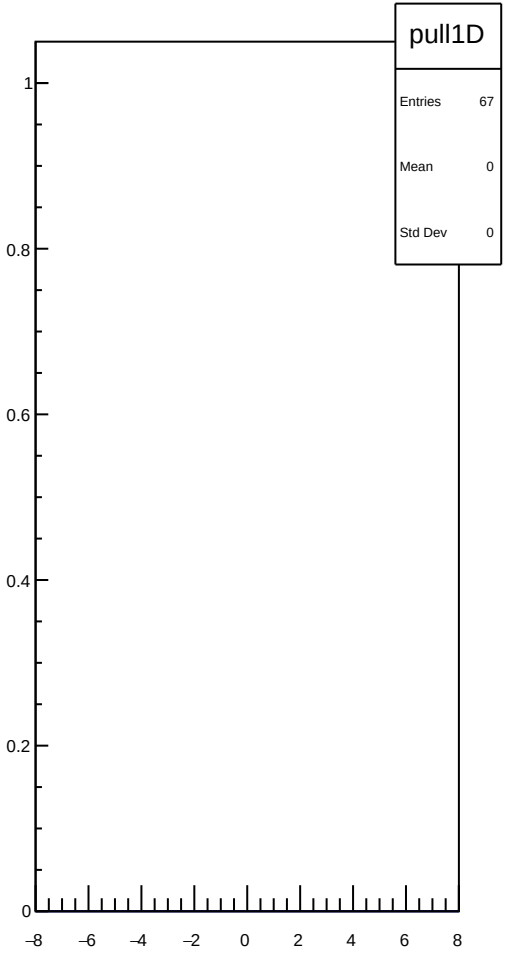

dit_sam7_coil4_mean vs run
χ^2 / ndf 5.347e+36 / 66
p0 −742.9 ± 1.222e−16
0
−200
−400
−600
−800
−1000
pull
Entries 67
Mean −1.308e+09
Std Dev 1.308e+09
×10^15
600
400
200
0
−200

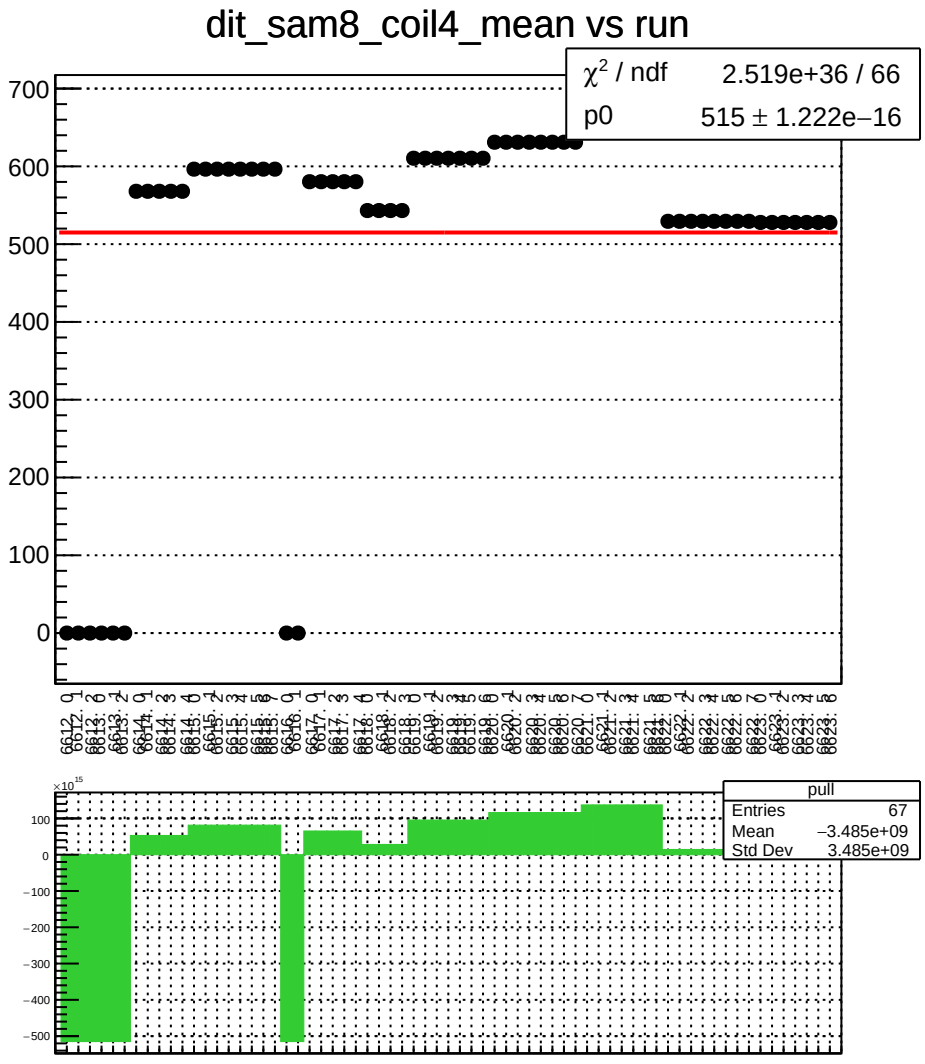

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

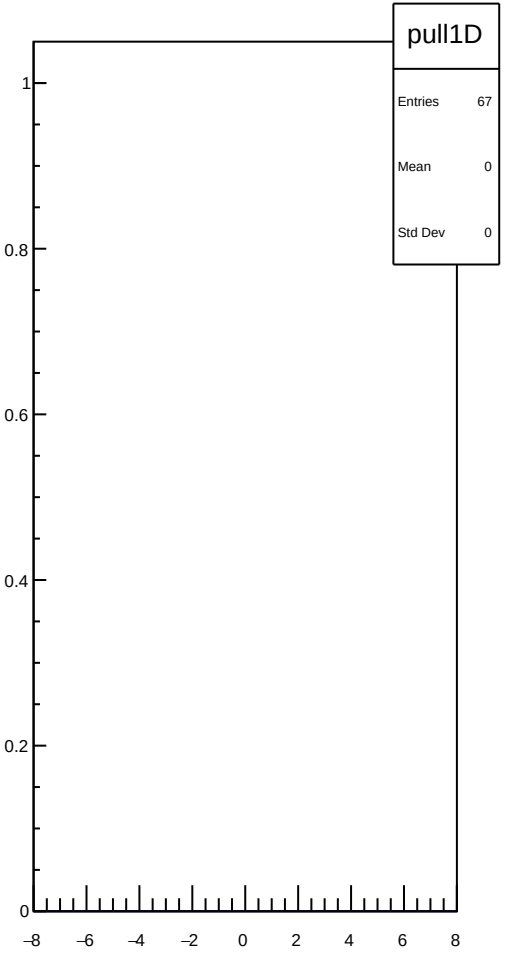

dit_sam7_coil4_err_mean vs run
χ² / ndf 1.213e+36 / 66
p0 266.6 ± 1.222e−16
pull
Entries 67
Mean 2.129e+08
Std Dev 2.129e+08

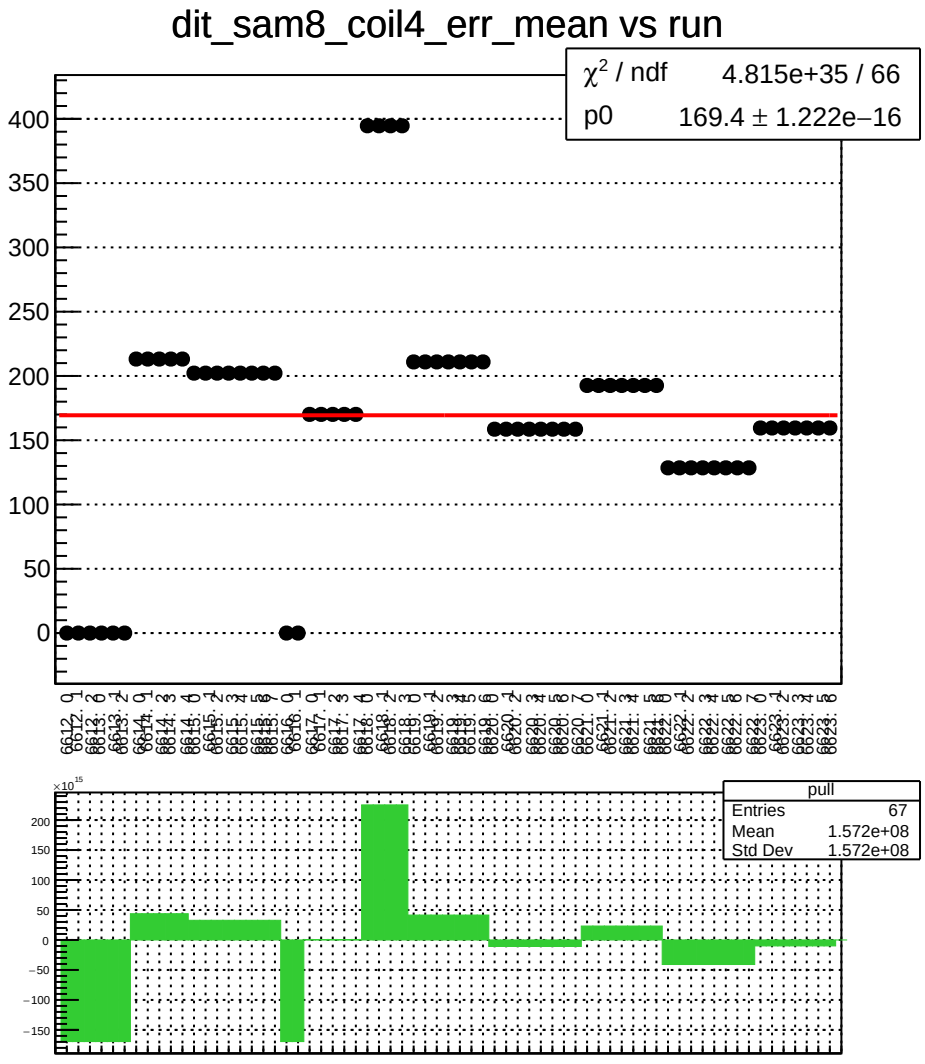

pull1D
Entries 67
Mean 0
Std Dev 0

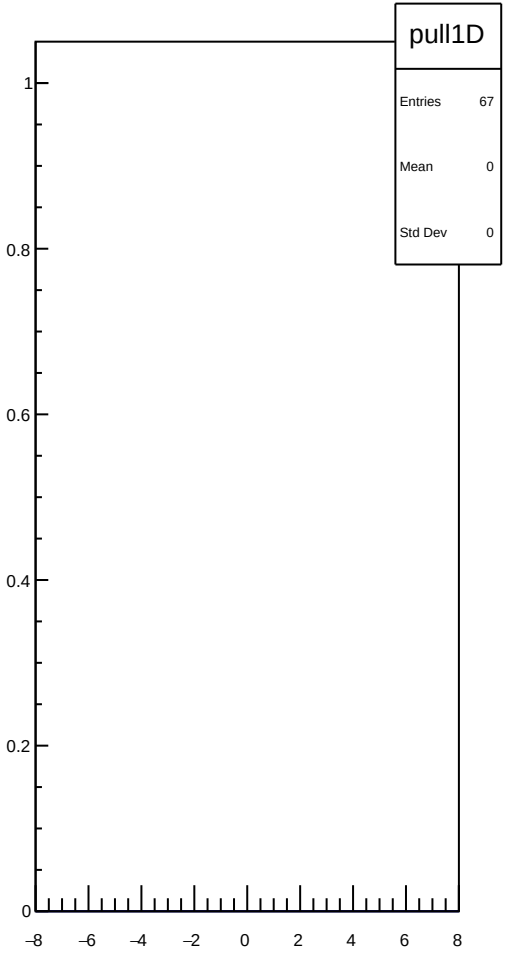

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.417e+37 / 66
p0 979.1± 1.222e−16
pull
Entries 67
Mean 1.141e+09
Std Dev 1.141e+09


pull1D
Entries 67
Mean 0
Std Dev 0

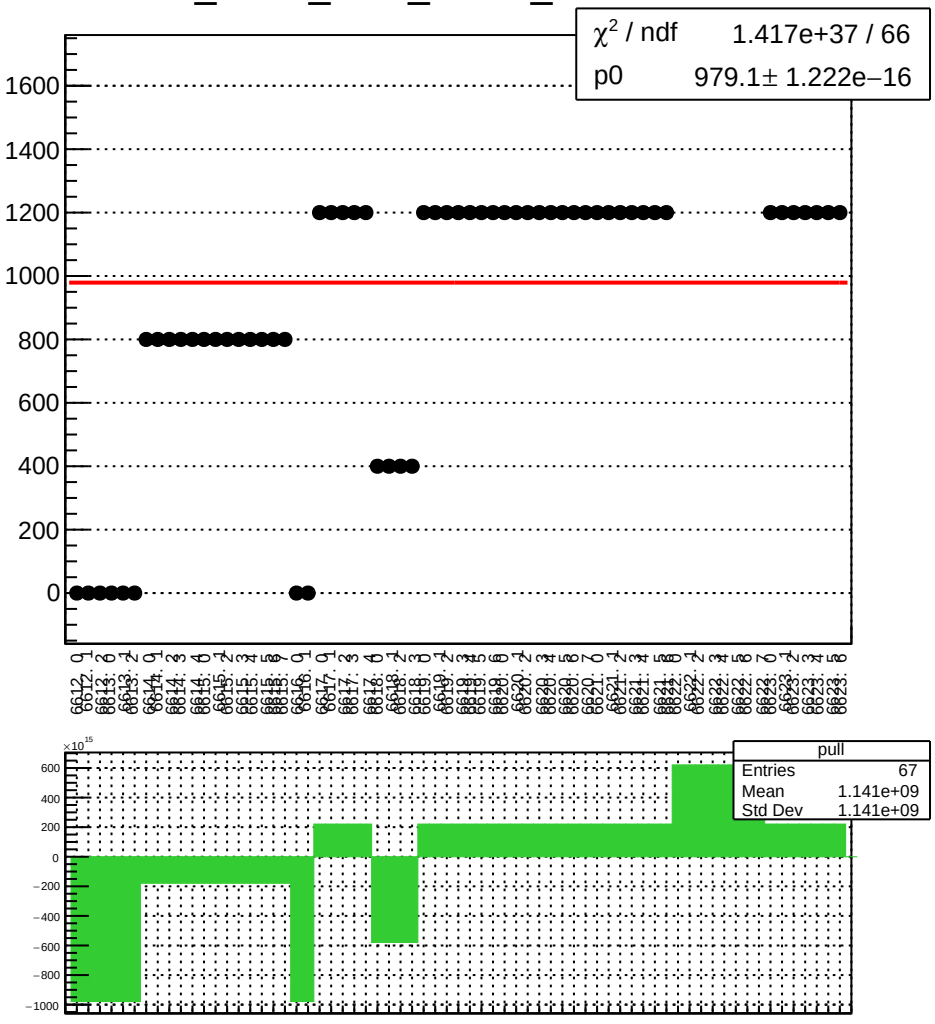

dit_sam8_coil4_mean vs run
χ² / ndf 2.519e+36 / 66
p0 515 ± 1.222e−16
pull
Entries 67
Mean −3.485e+09
Std Dev 3.485e+09

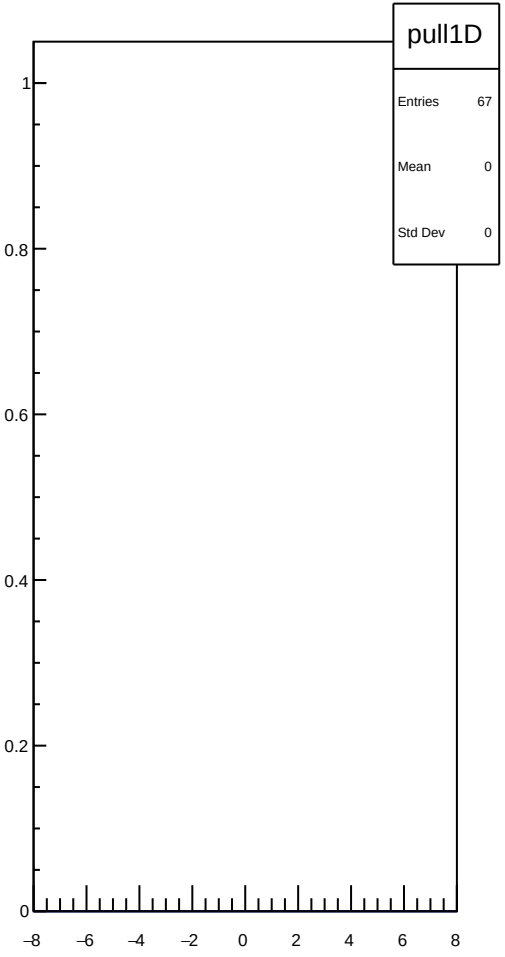

pull1D
Entries 67
Mean 0
Std Dev 0


dit_sam8_coil4_err_mean vs run
χ² / ndf 4.815e+35 / 66
p0 169.4 ± 1.222e−16
pull
Entries 67
Mean 1.572e+08
Std Dev 1.572e+08

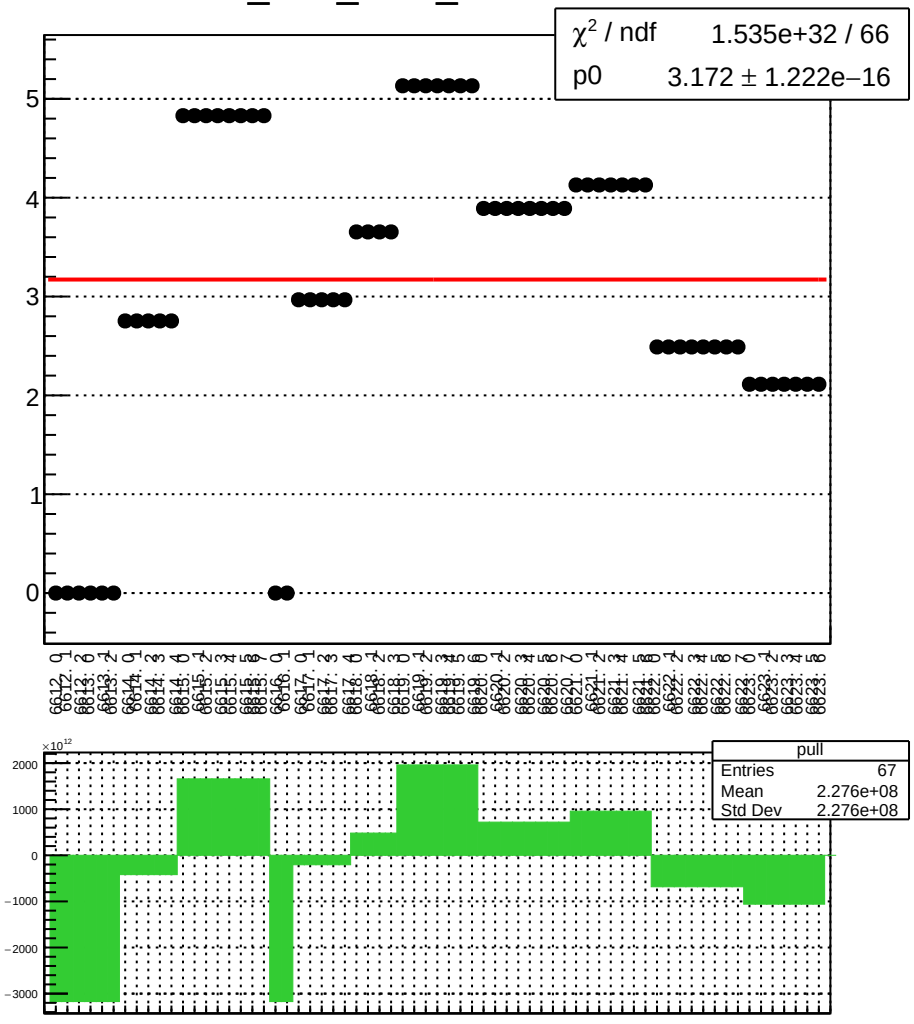

pull1D
Entries 67
Mean 0
Std Dev 0

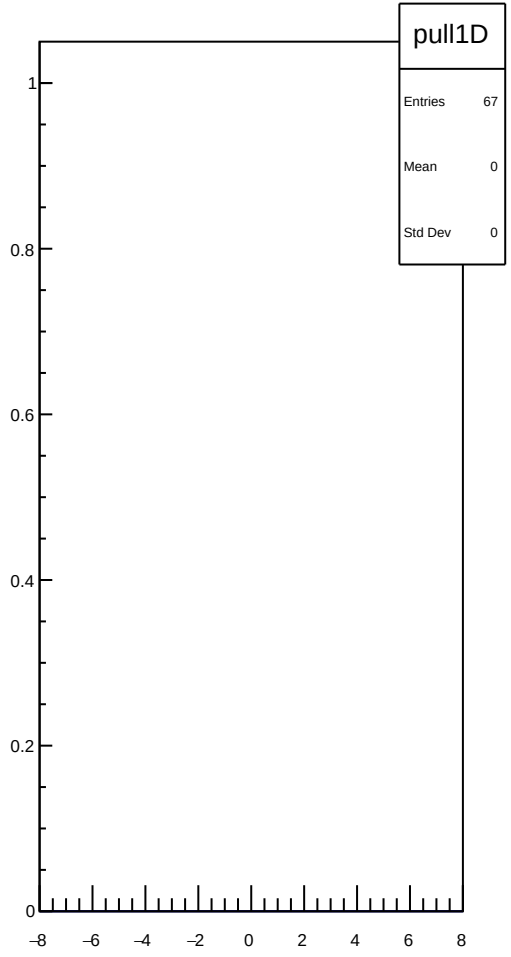
dit_sam8_coil4_Ndata_mean vs run



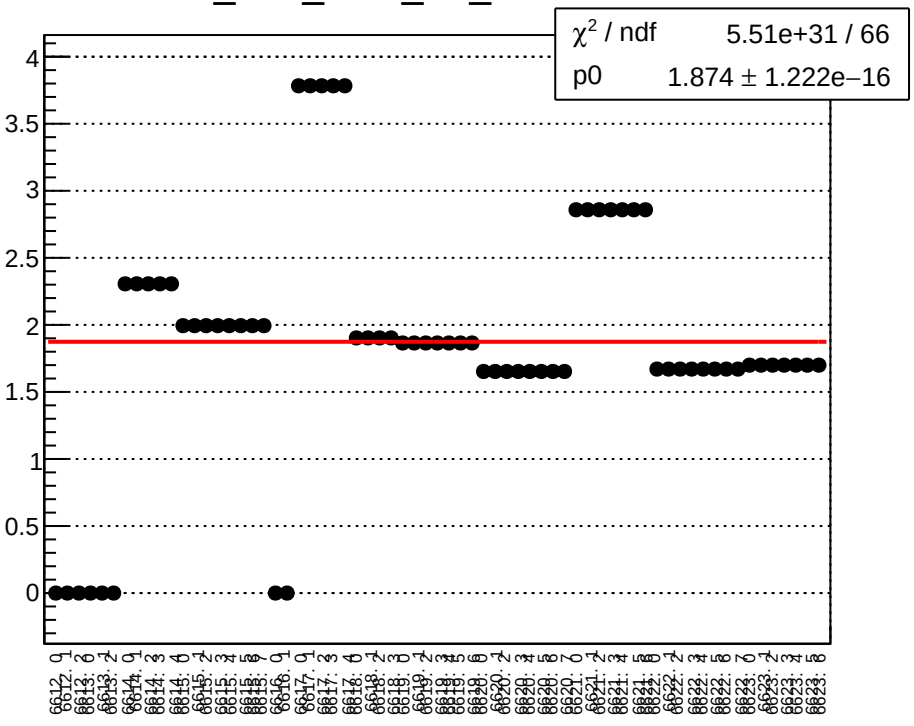


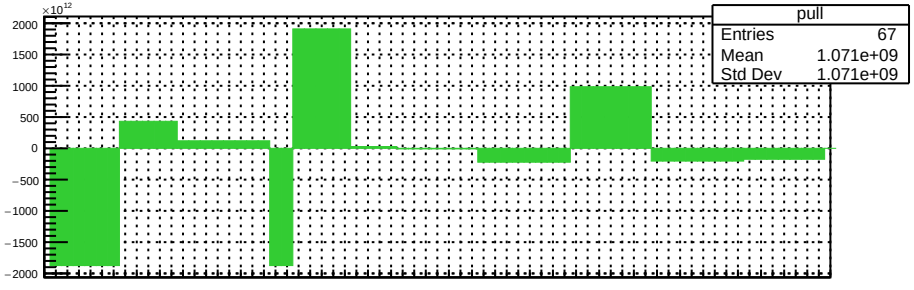
dit_4aX_coil6_mean vs run

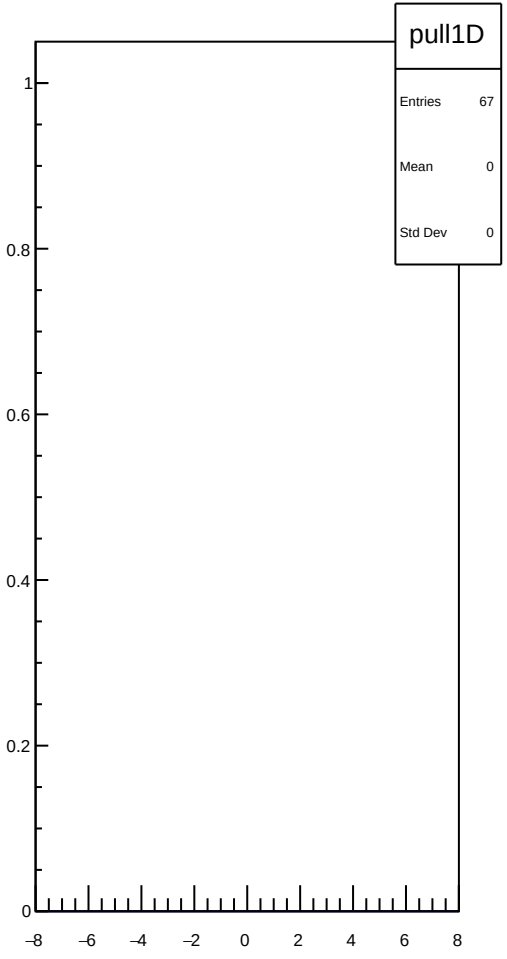




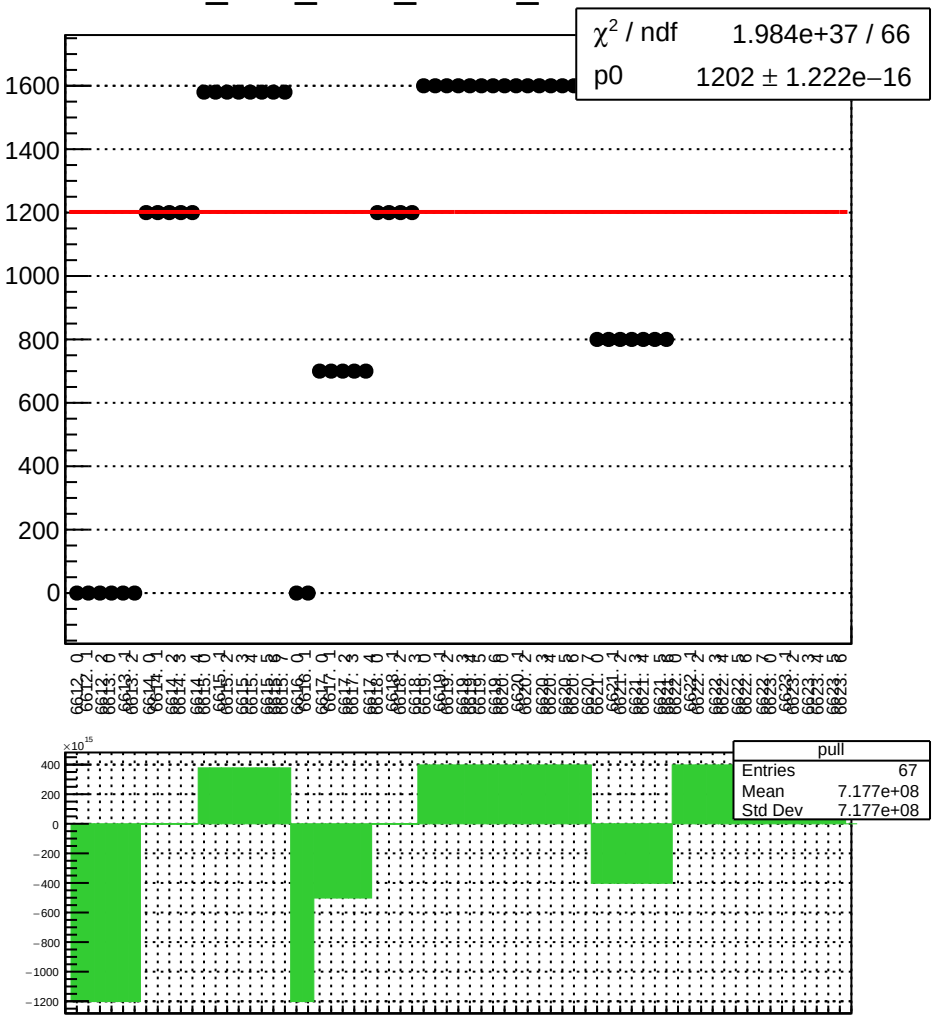
dit_4aX_coil6_err_mean vs run

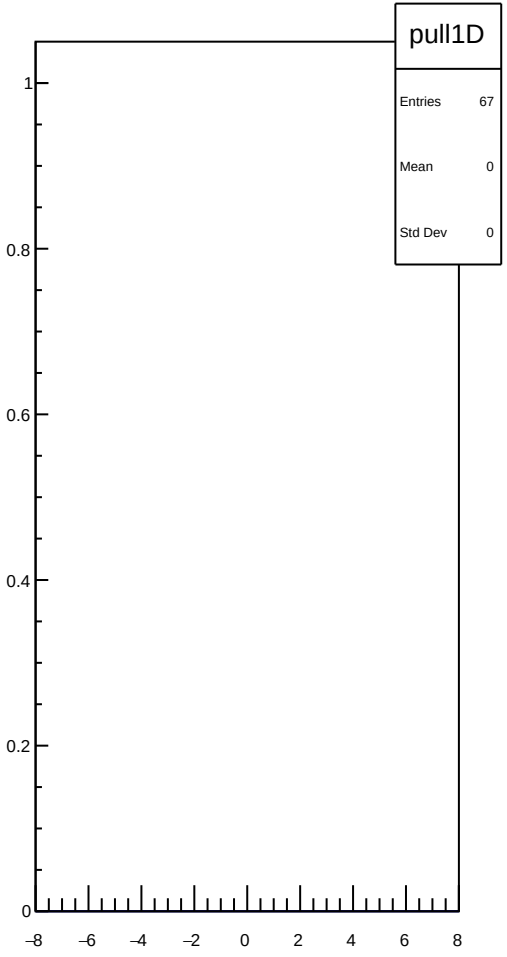


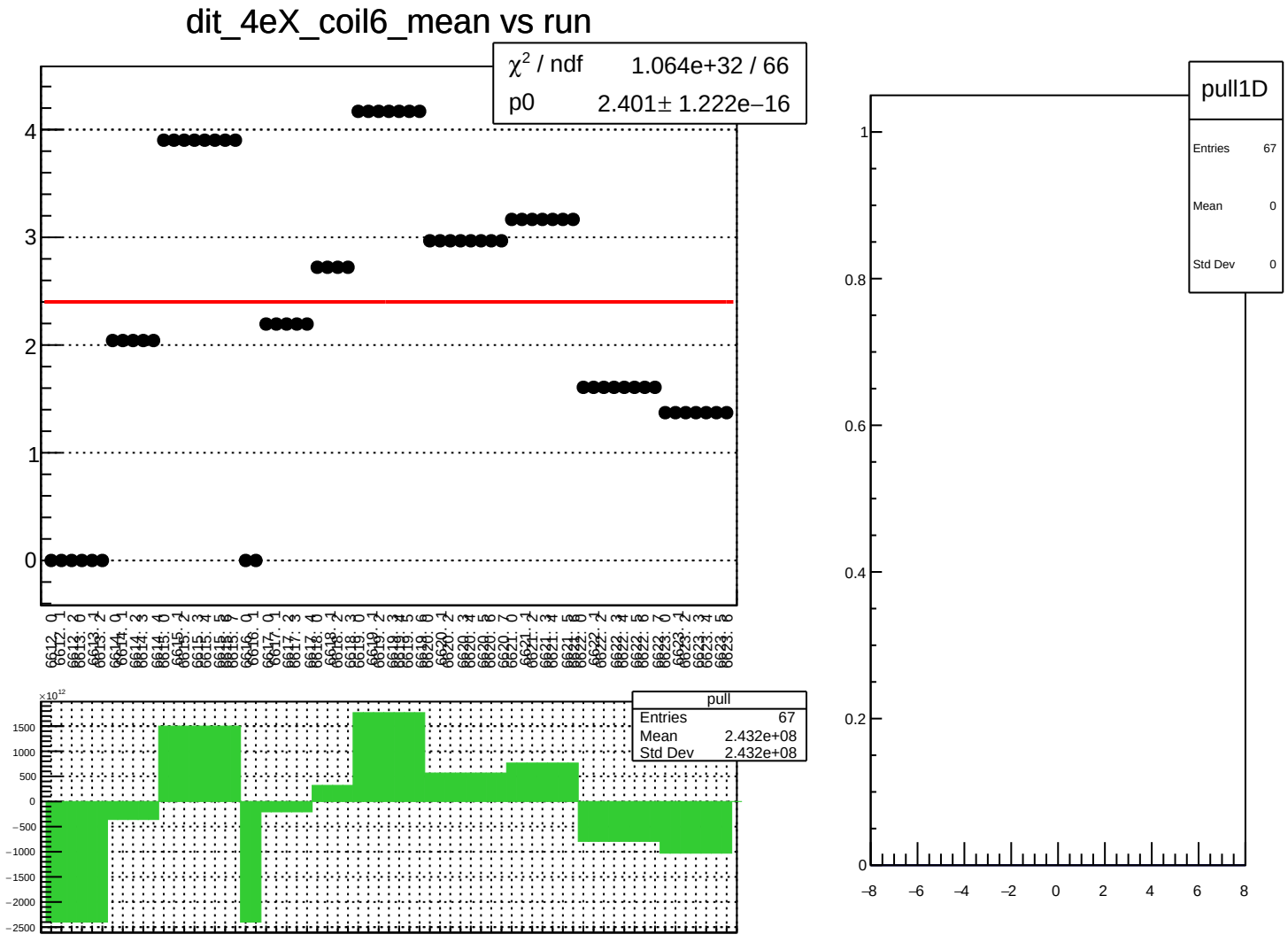




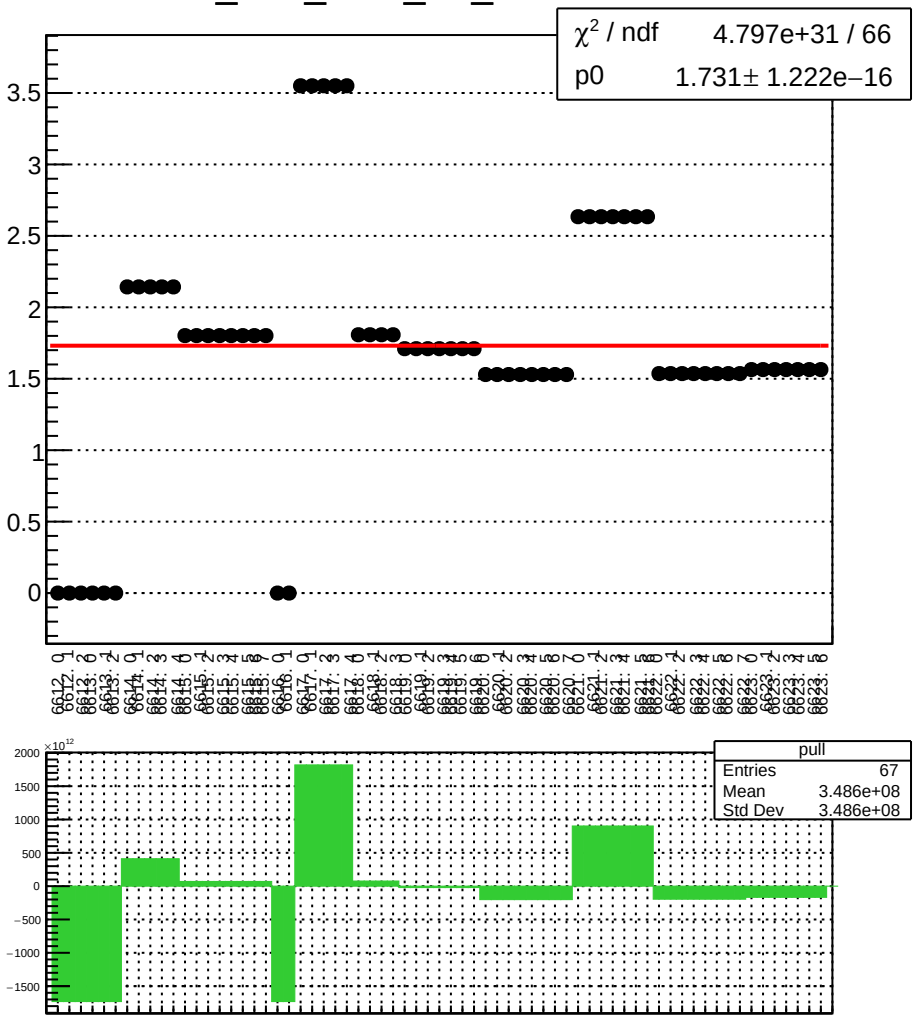
dit_4aX_coil6_Ndata_mean vs run

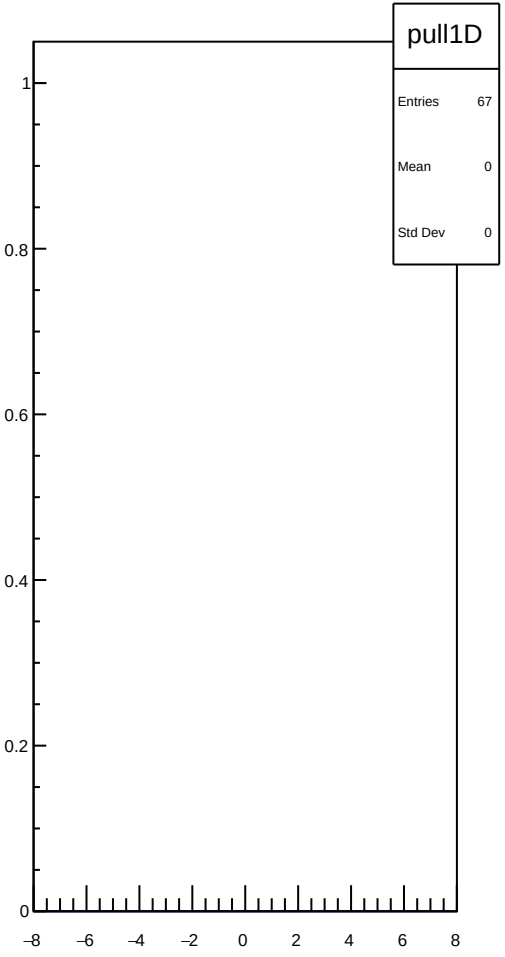




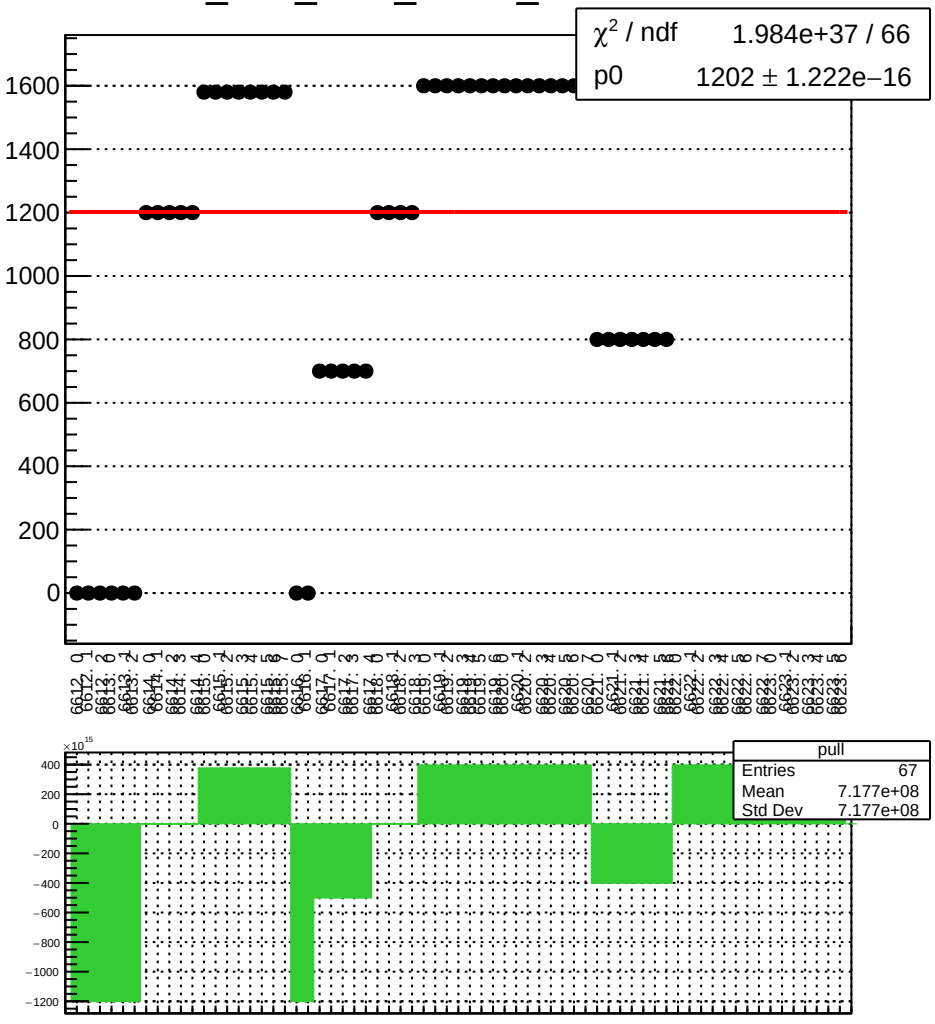

dit_4eX_coil6_mean vs run
χ² / ndf 1.064e+32 / 66
p0 2.401± 1.222e−16
pull
Entries 67
Mean 2.432e+08
Std Dev 2.432e+08
pull1D
Entries 67
Mean 0
Std Dev 0

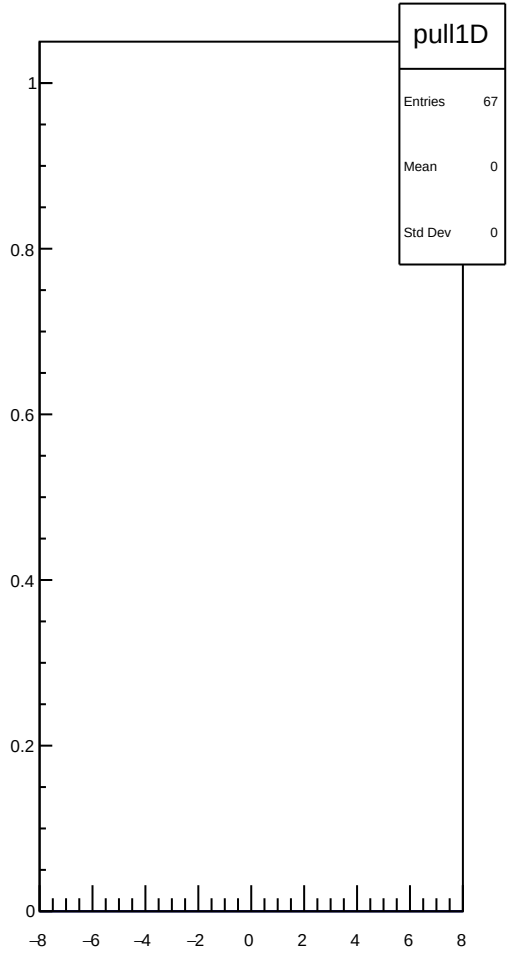
dit_4eX_coil6_err_mean vs run



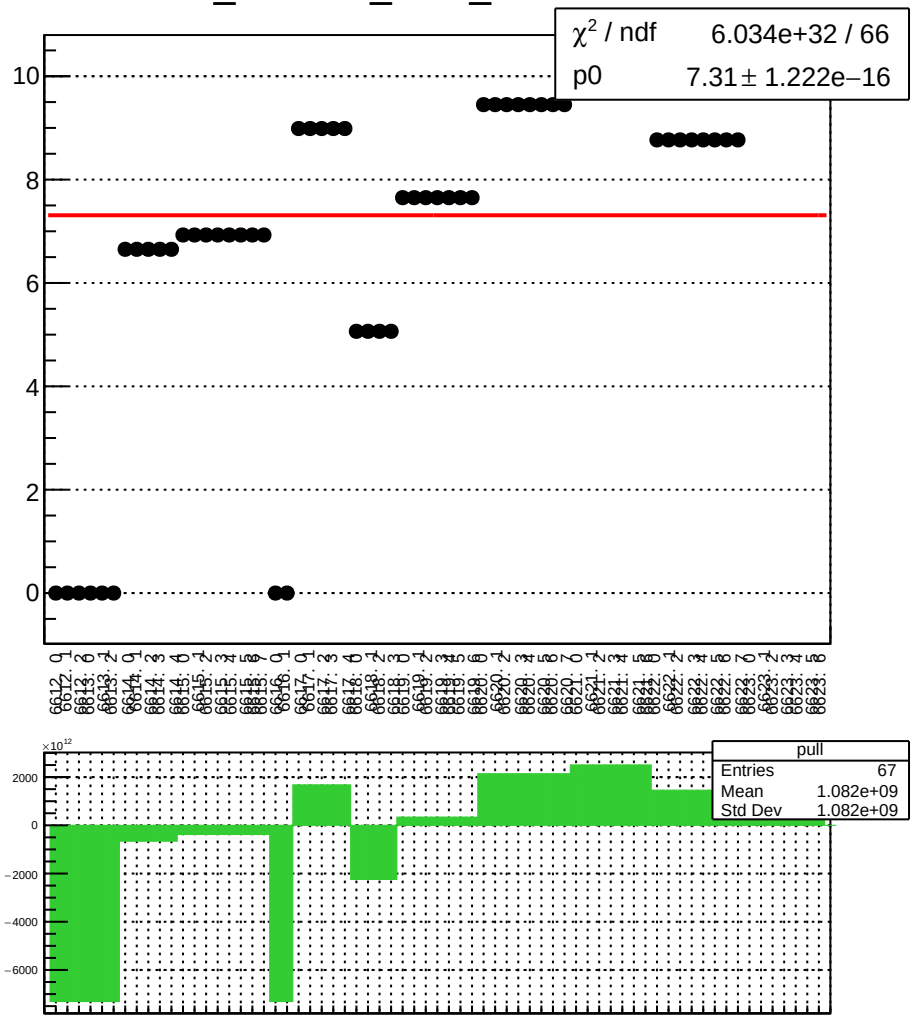


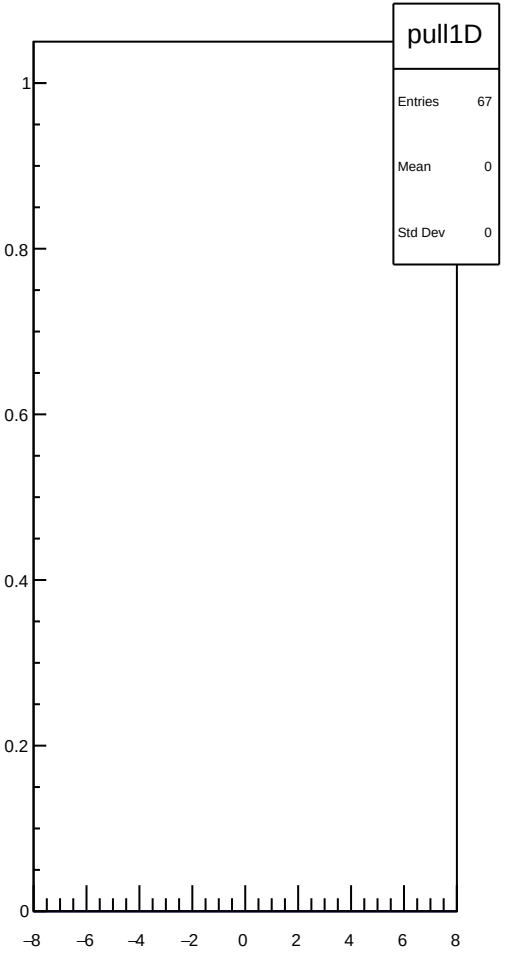
dit_4eX_coil6_Ndata_mean vs run



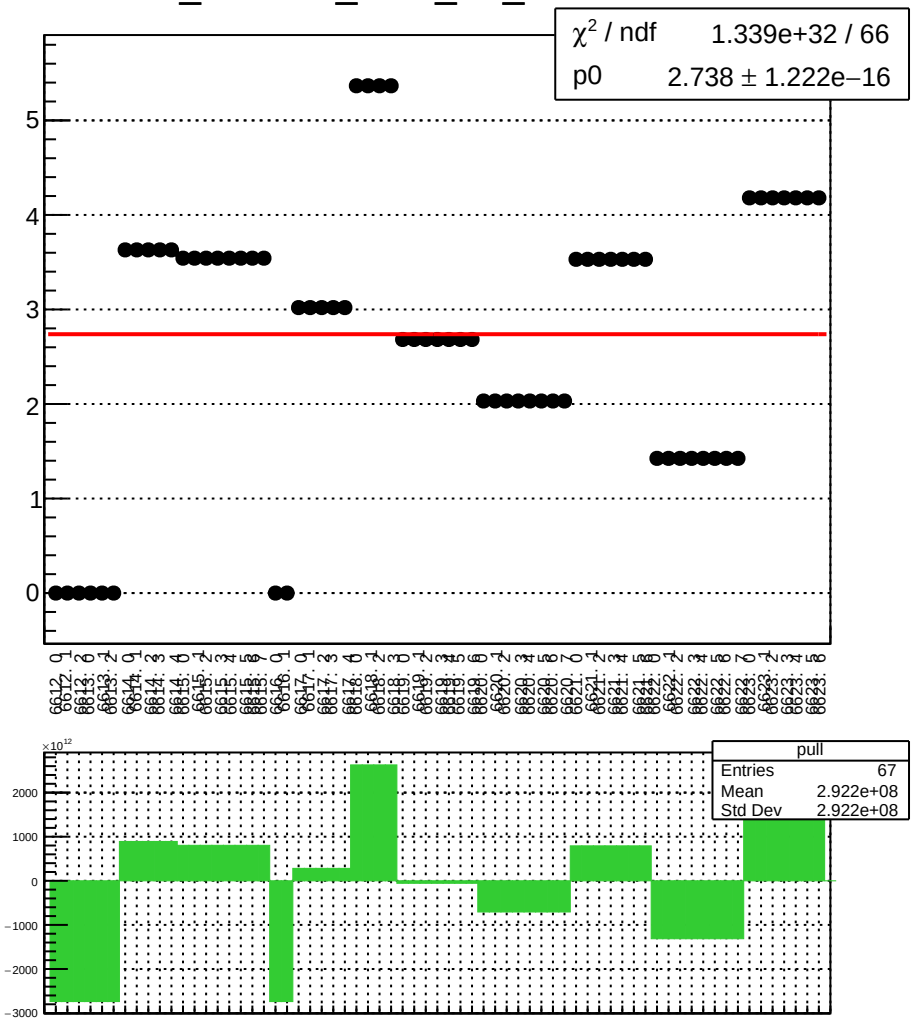


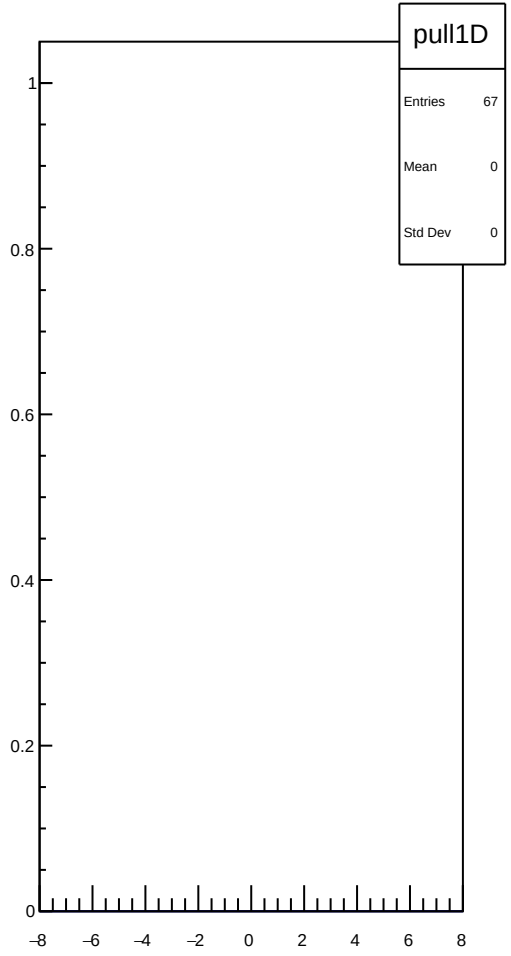
dit_11X12X_coil6_mean vs run



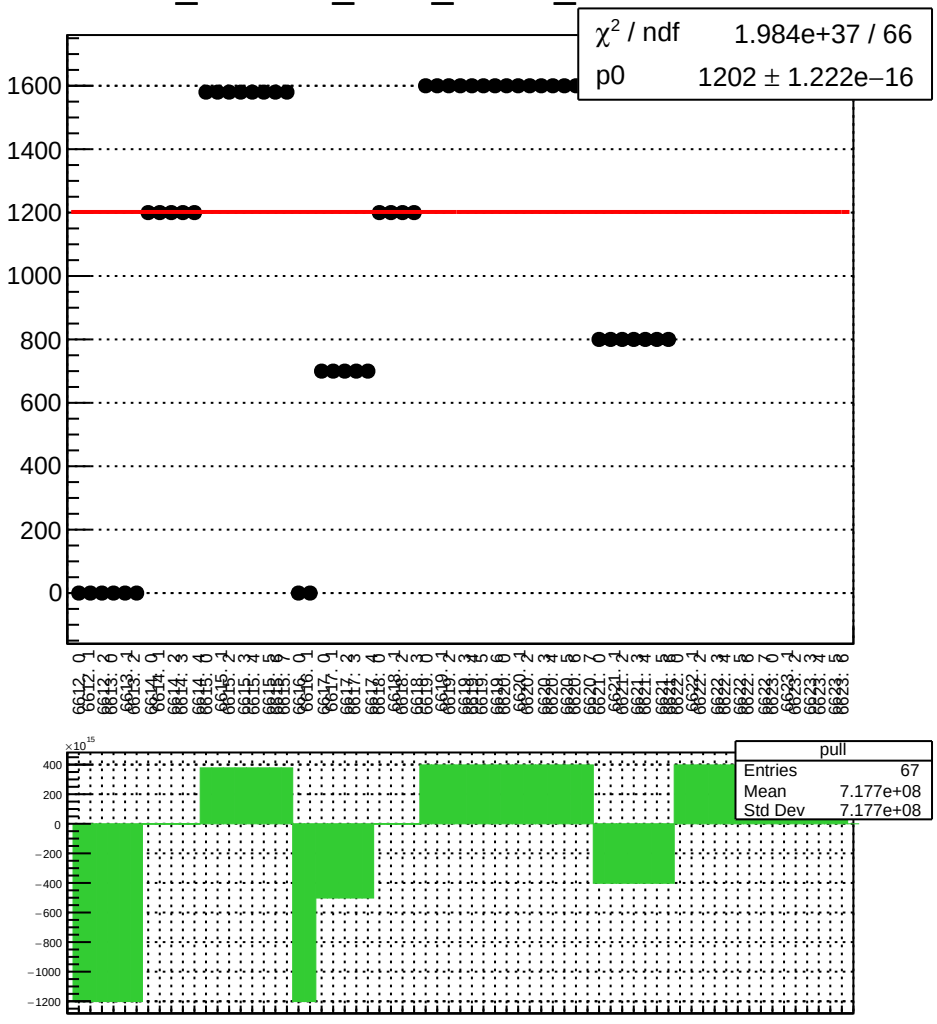


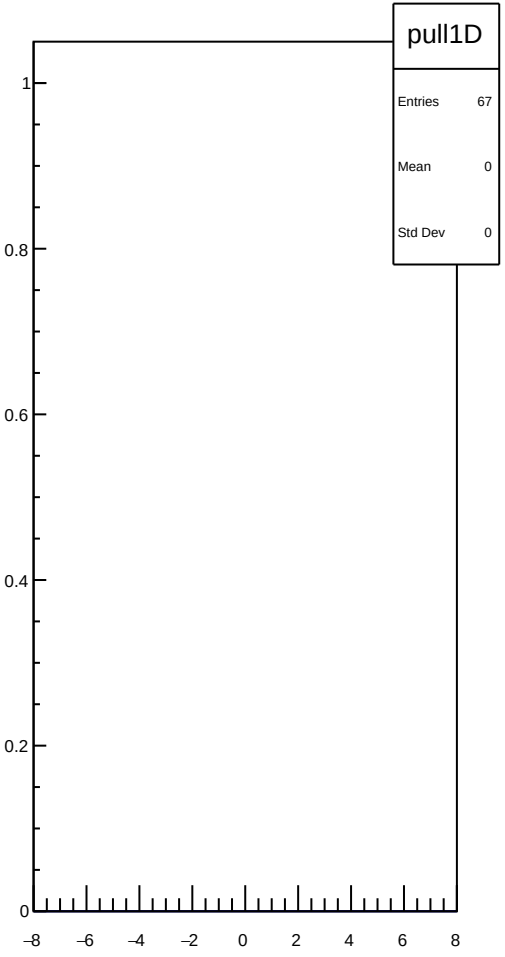
dit_11X12X_coil6_err_mean vs run



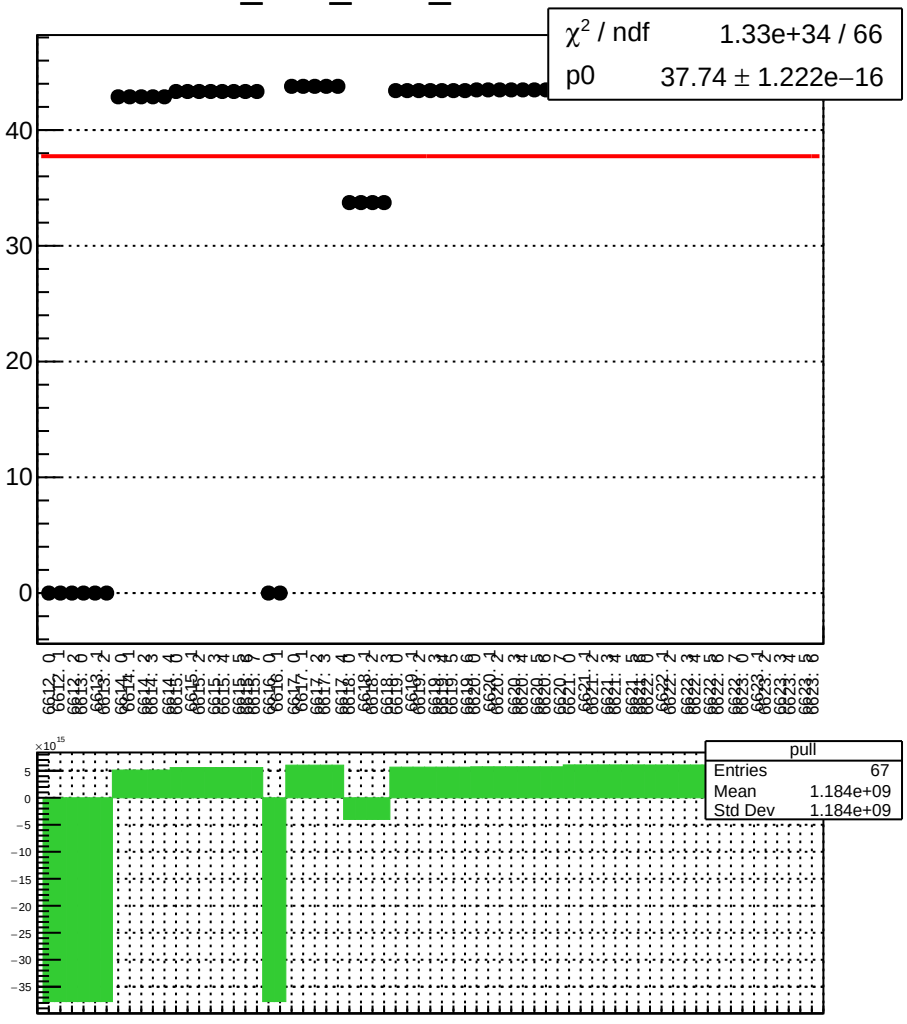


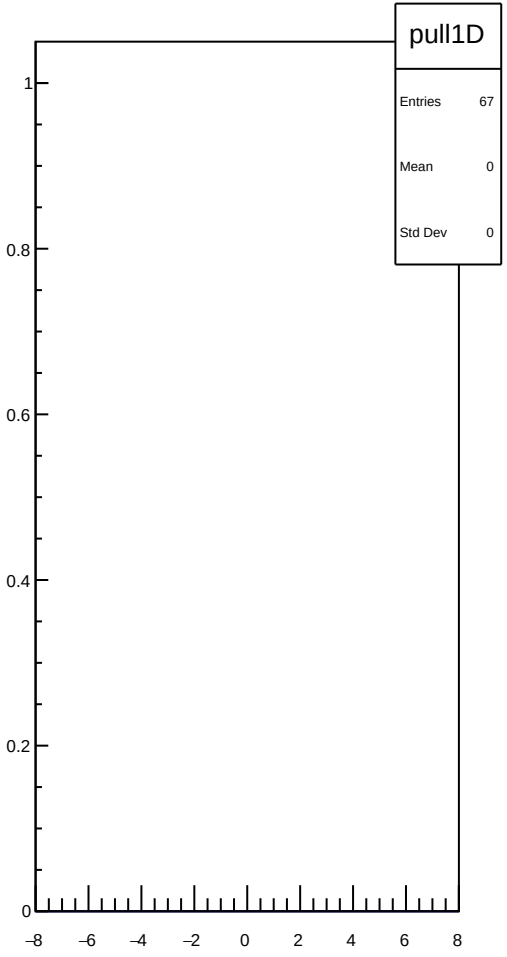
dit_11X12X_coil6_Ndata_mean vs run



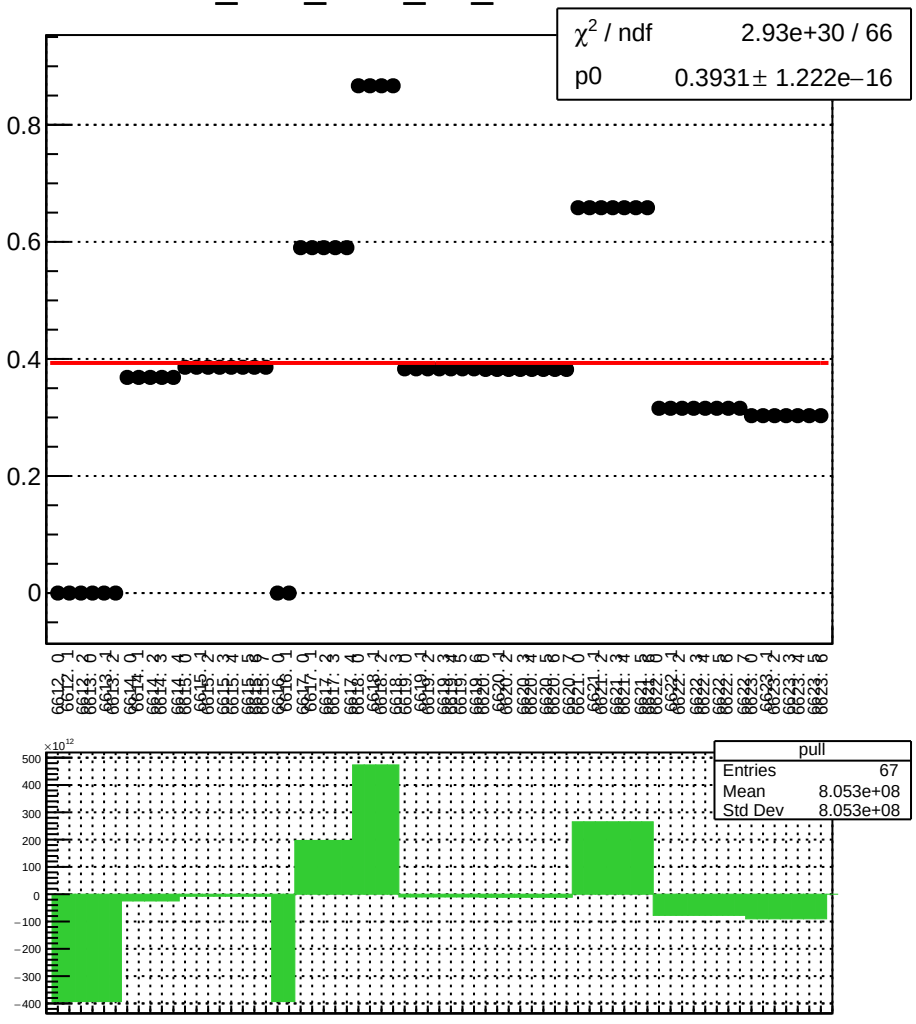


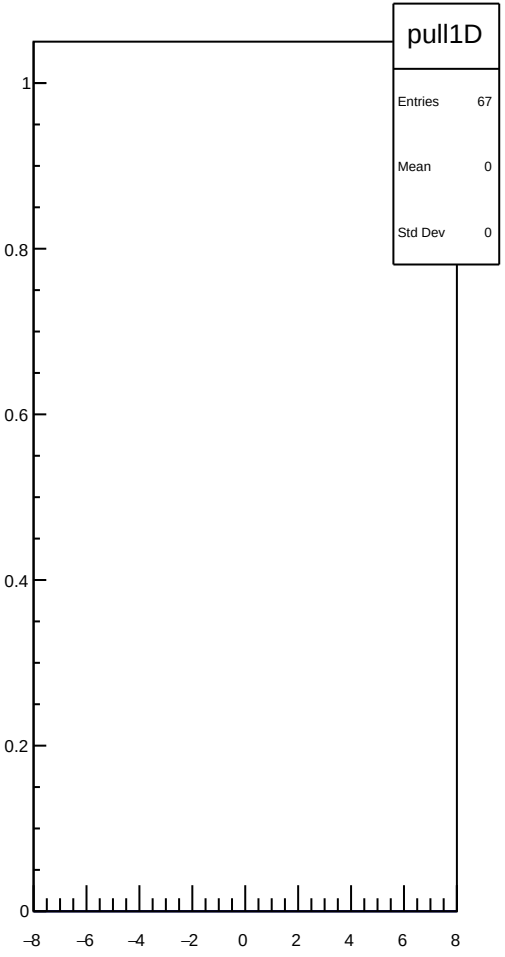
dit_4aY_coil6_mean vs run

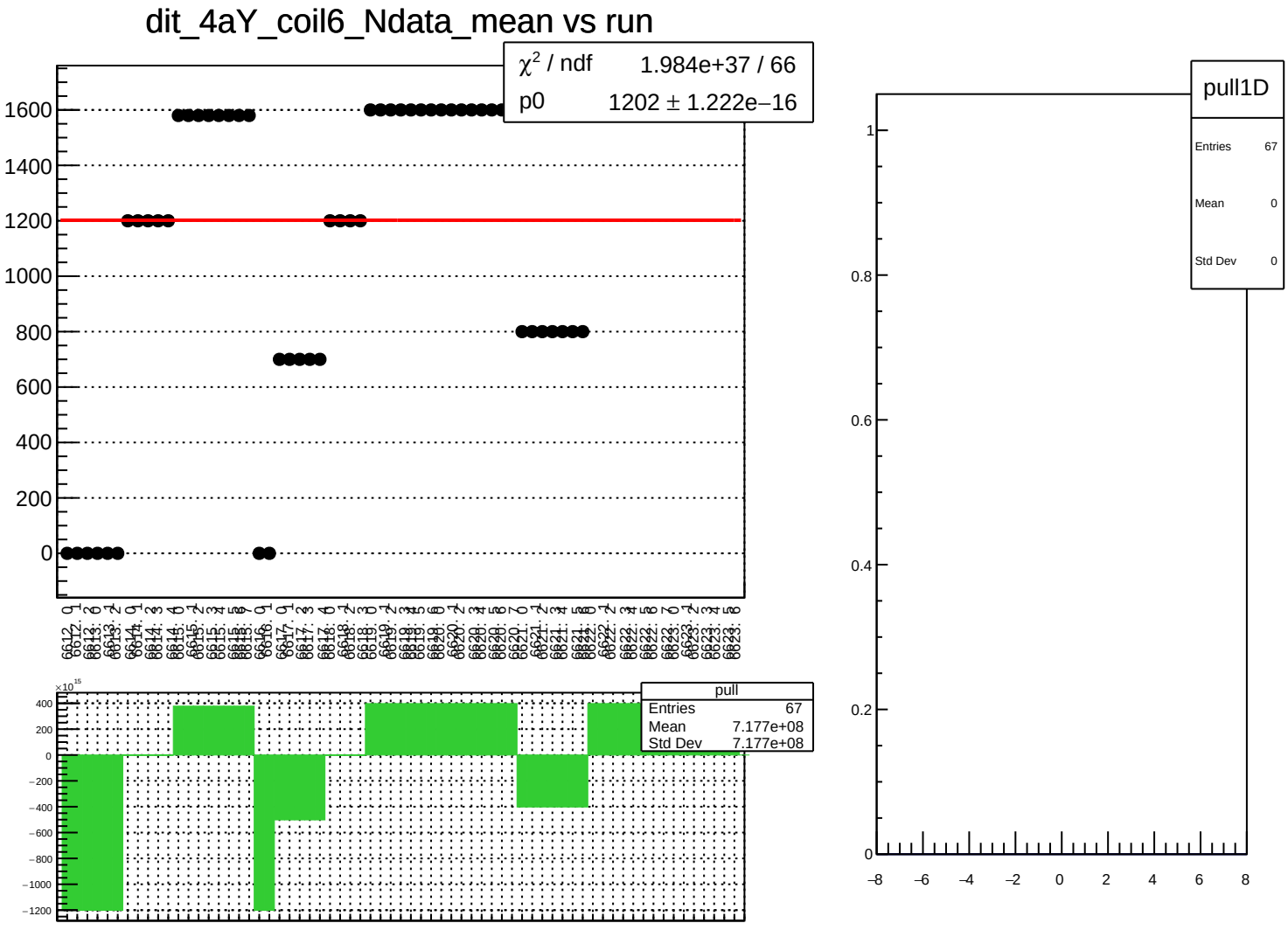


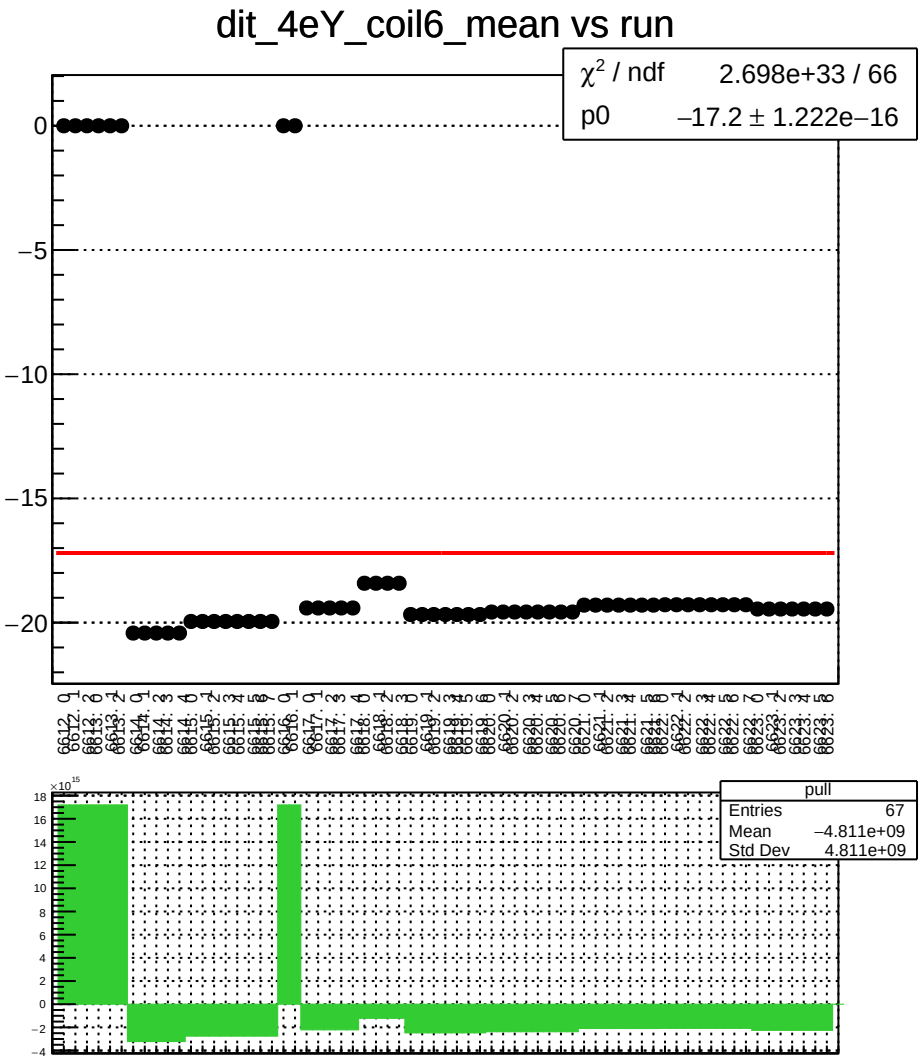


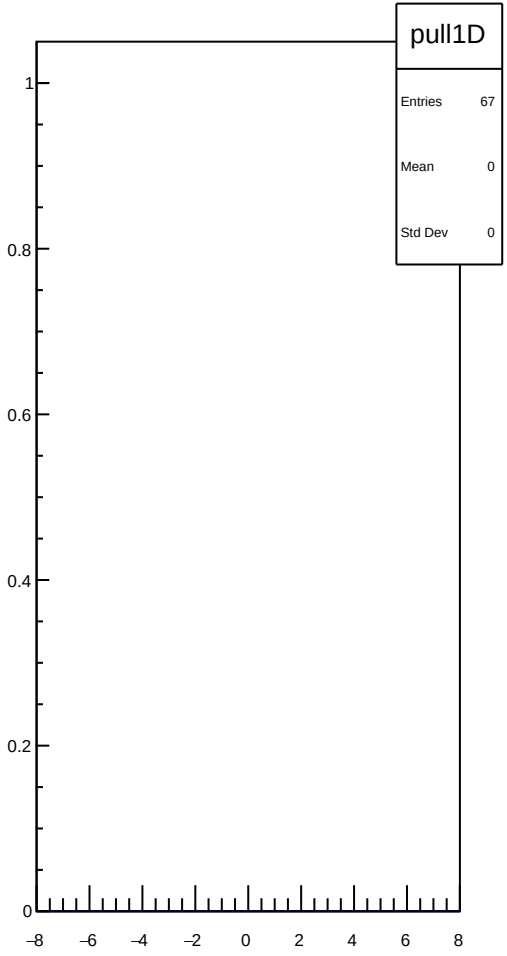
dit_4aY_coil6_err_mean vs run



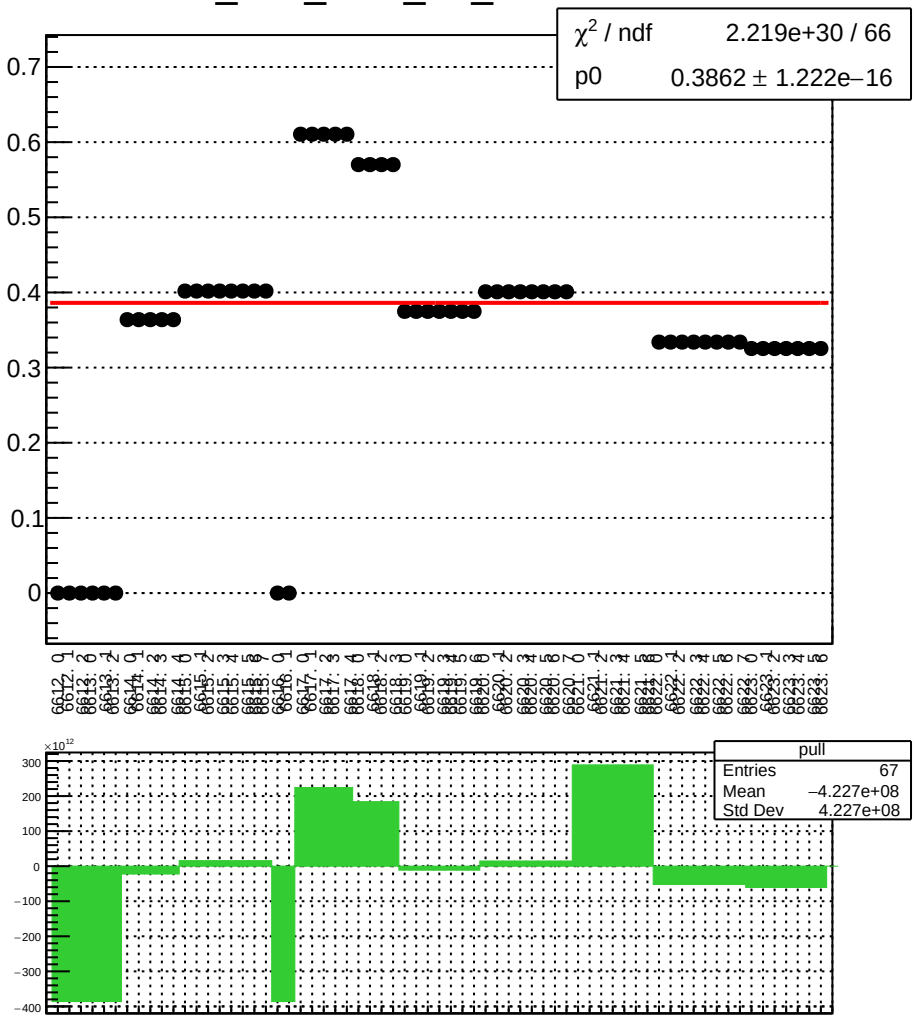


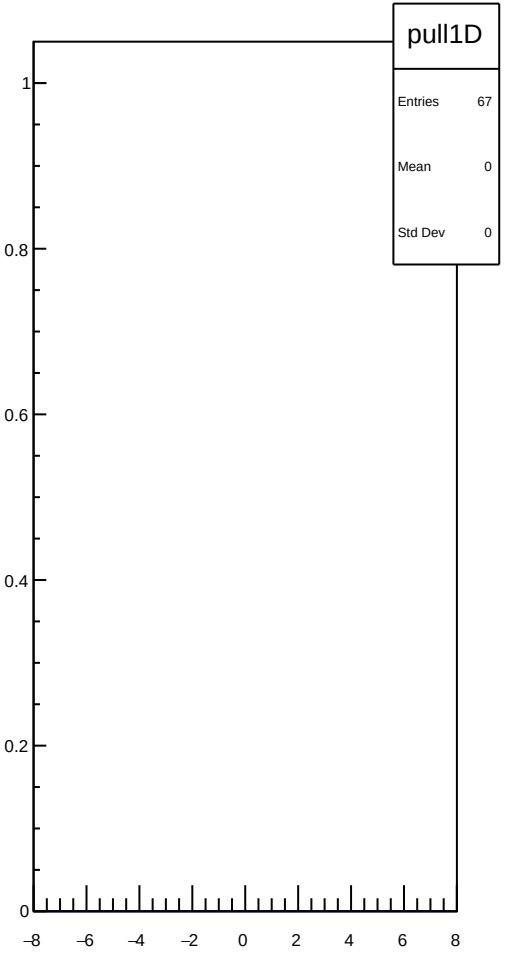

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0


dit_4eY_coil6_mean vs run
χ^2 / ndf 2.698e+33 / 66
p0 –17.2 ± 1.222e–16
pull
Entries 67
Mean –4.811e+09
Std Dev 4.811e+09

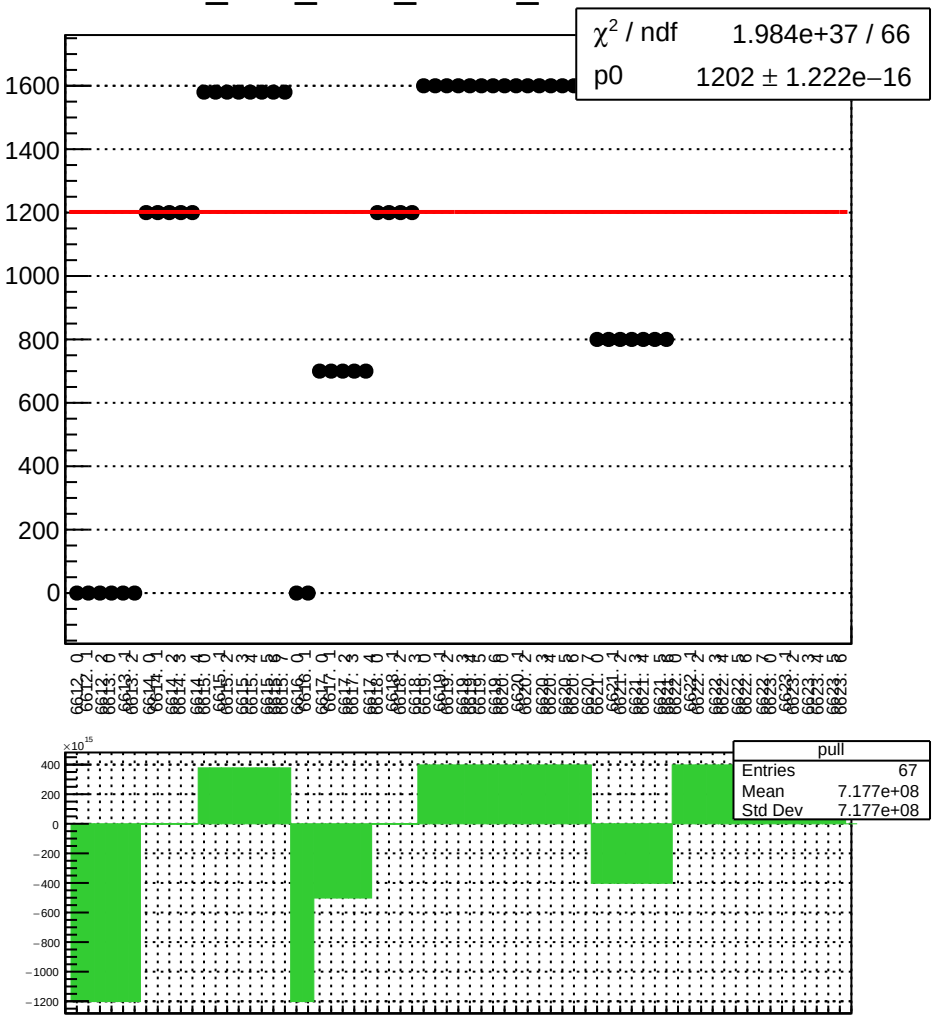

pull1D
Entries 67
Mean 0
Std Dev 0

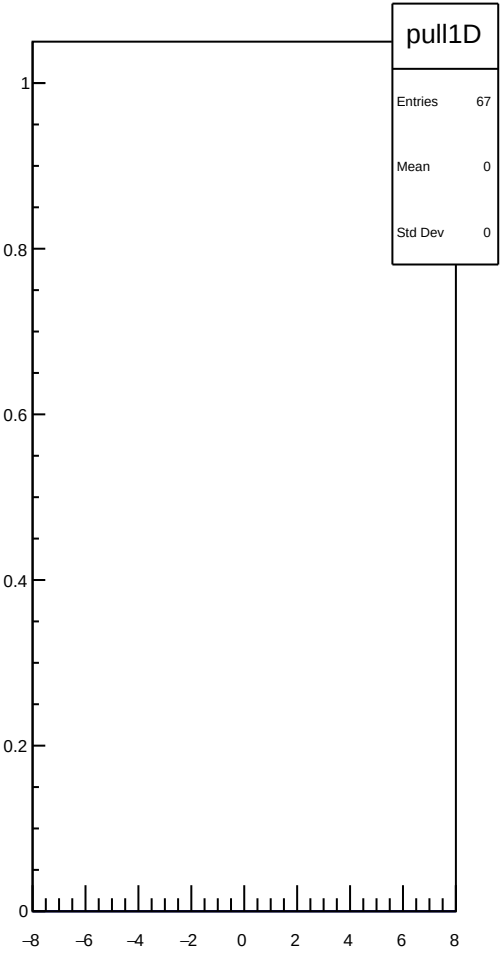
dit_4eY_coil6_err_mean vs run

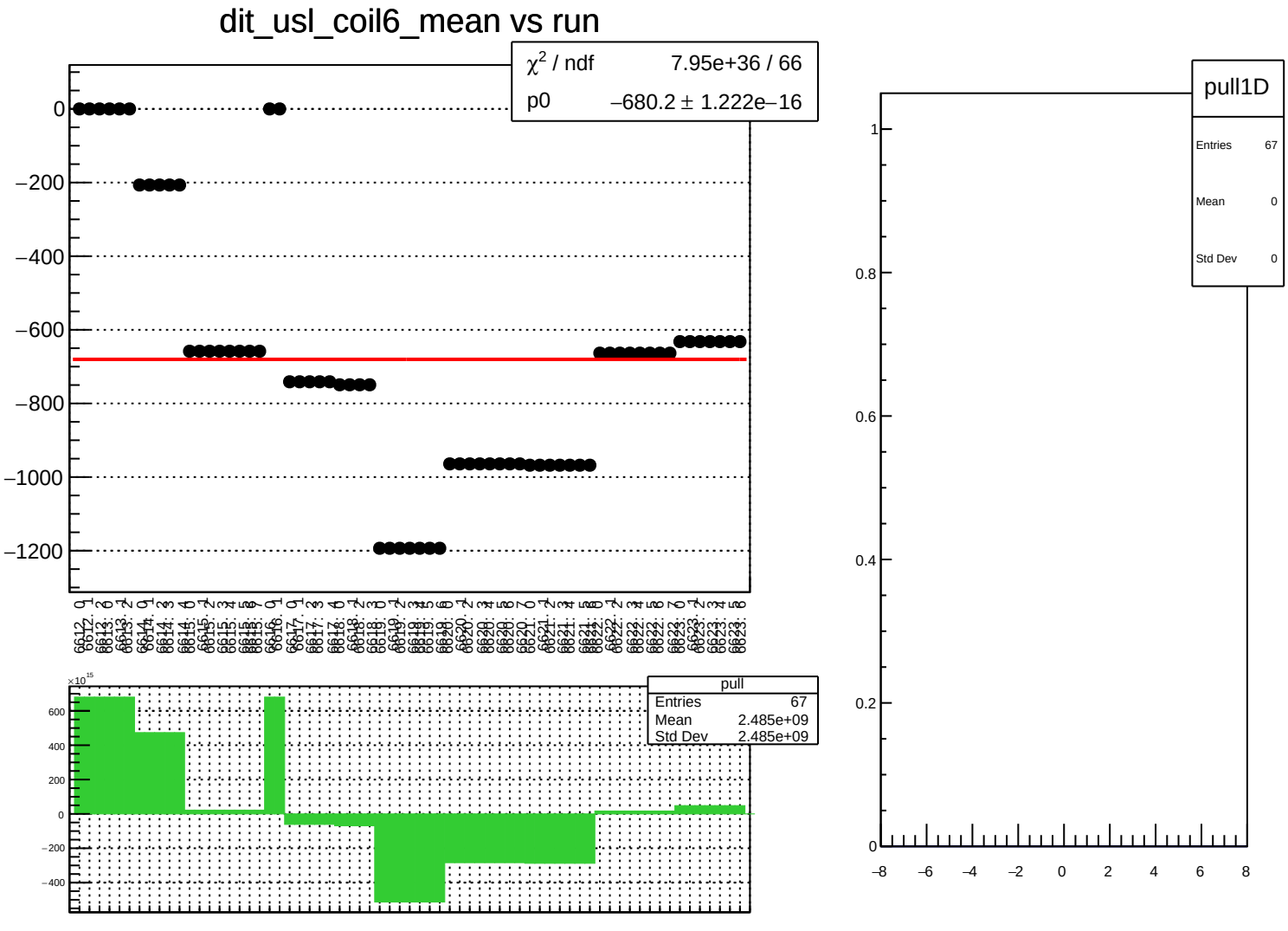


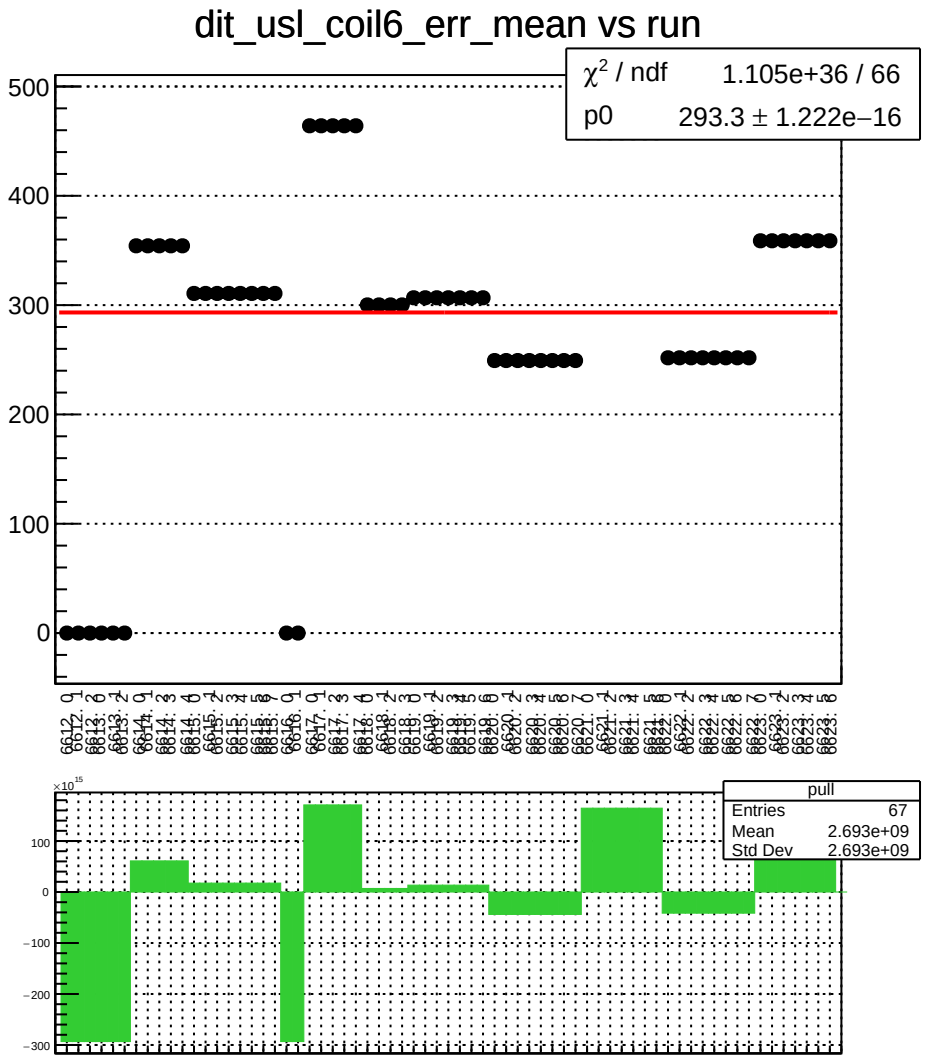


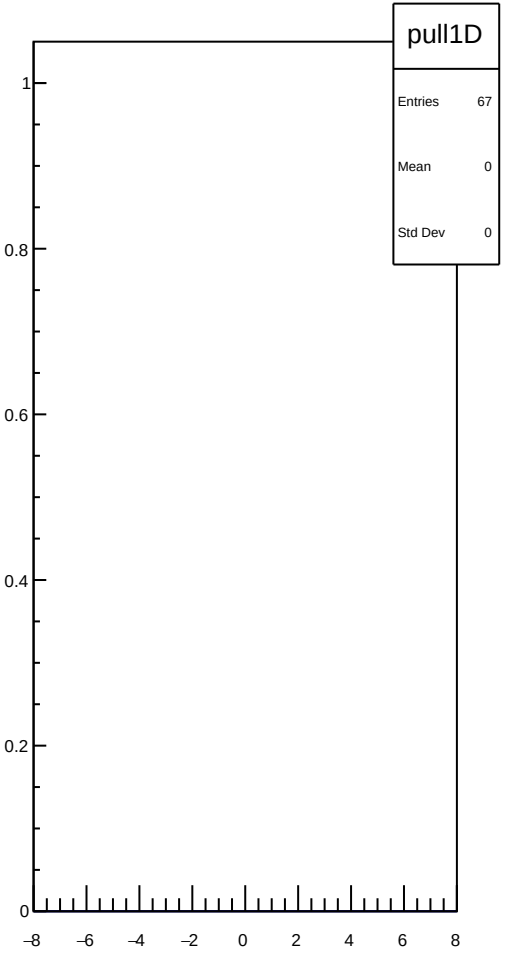
dit_4eY_coil6_Ndata_mean vs run

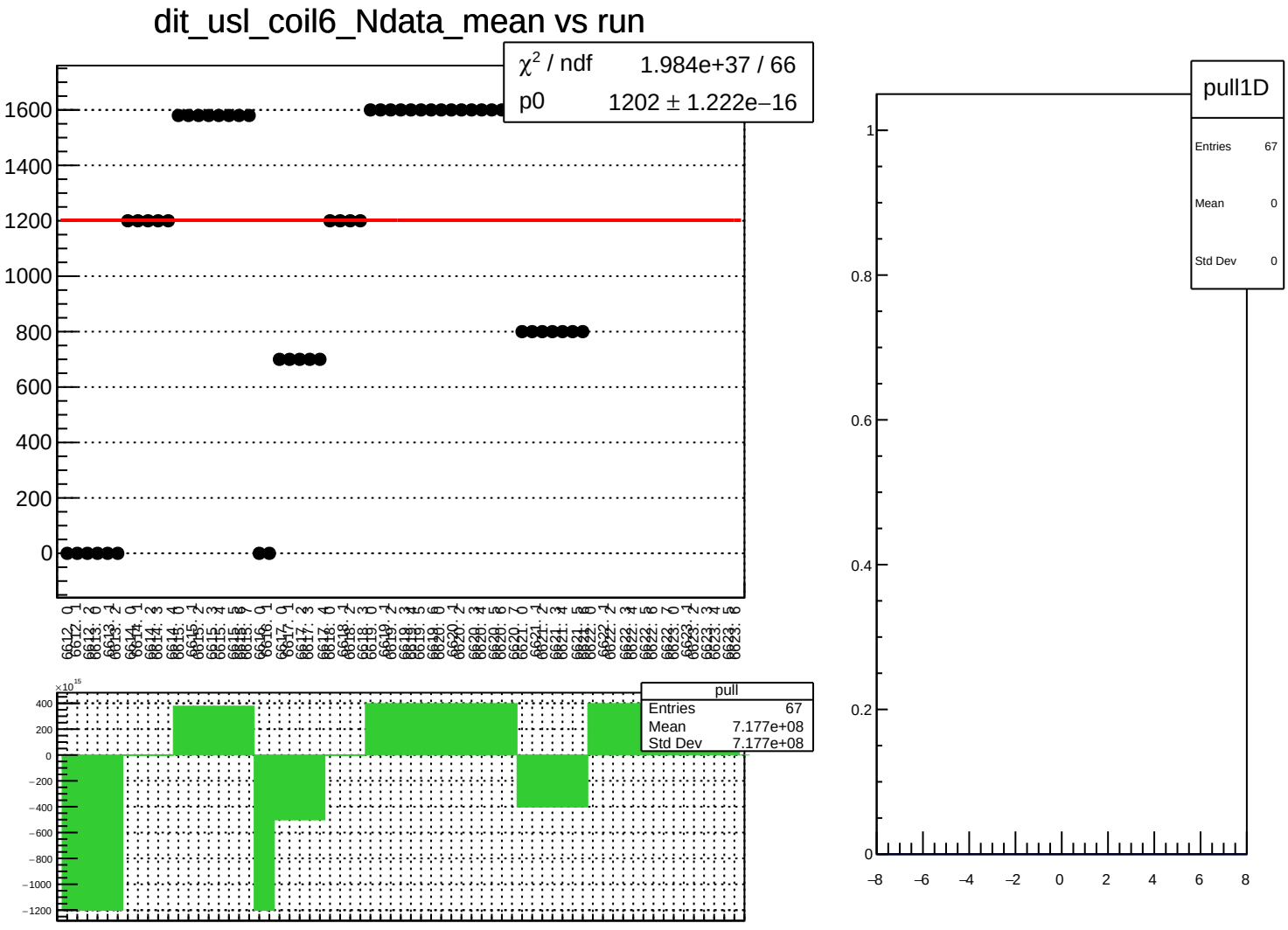


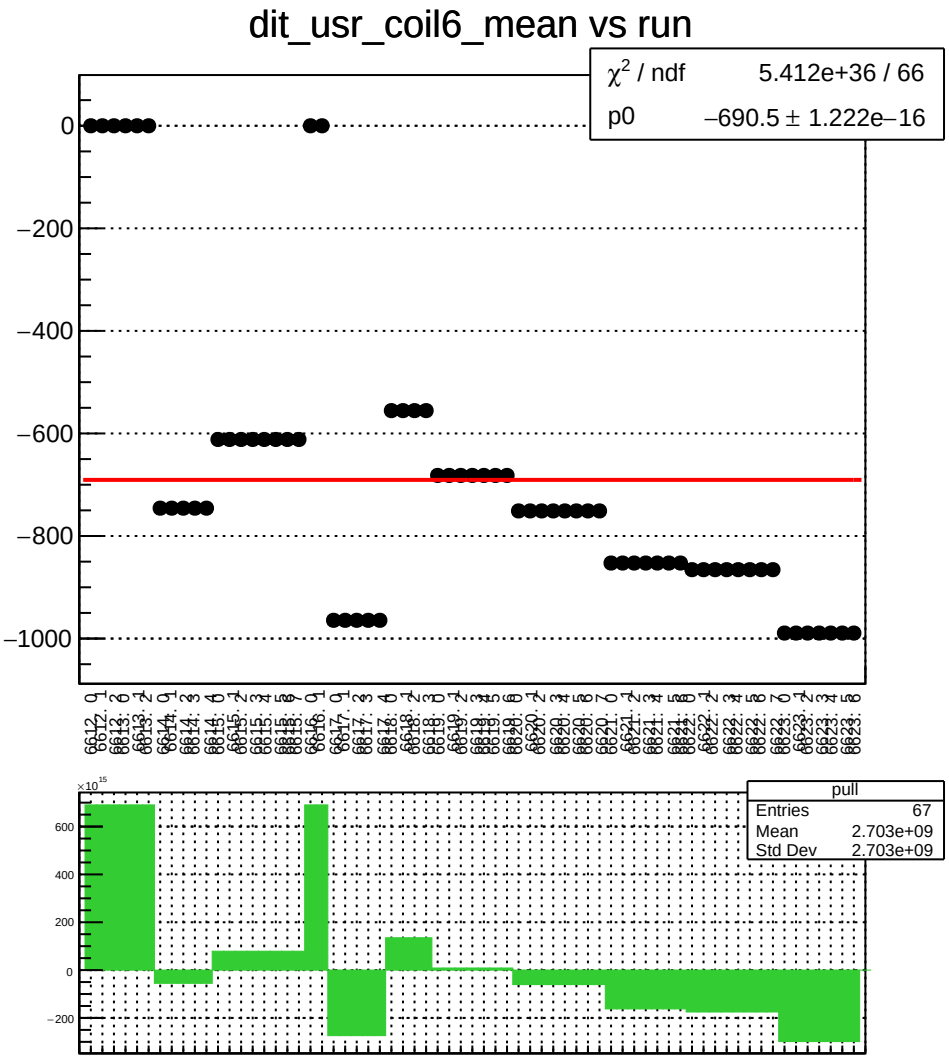


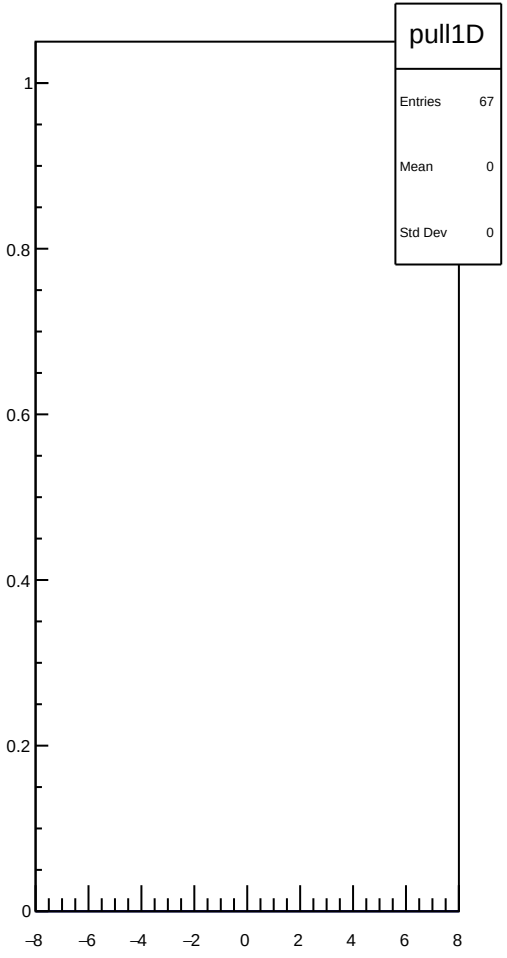

dit_usl_coil6_mean vs run
χ^2 / ndf 7.95e+36 / 66
p0 −680.2 ± 1.222e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 67
Mean 2.485e+09
Std Dev 2.485e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

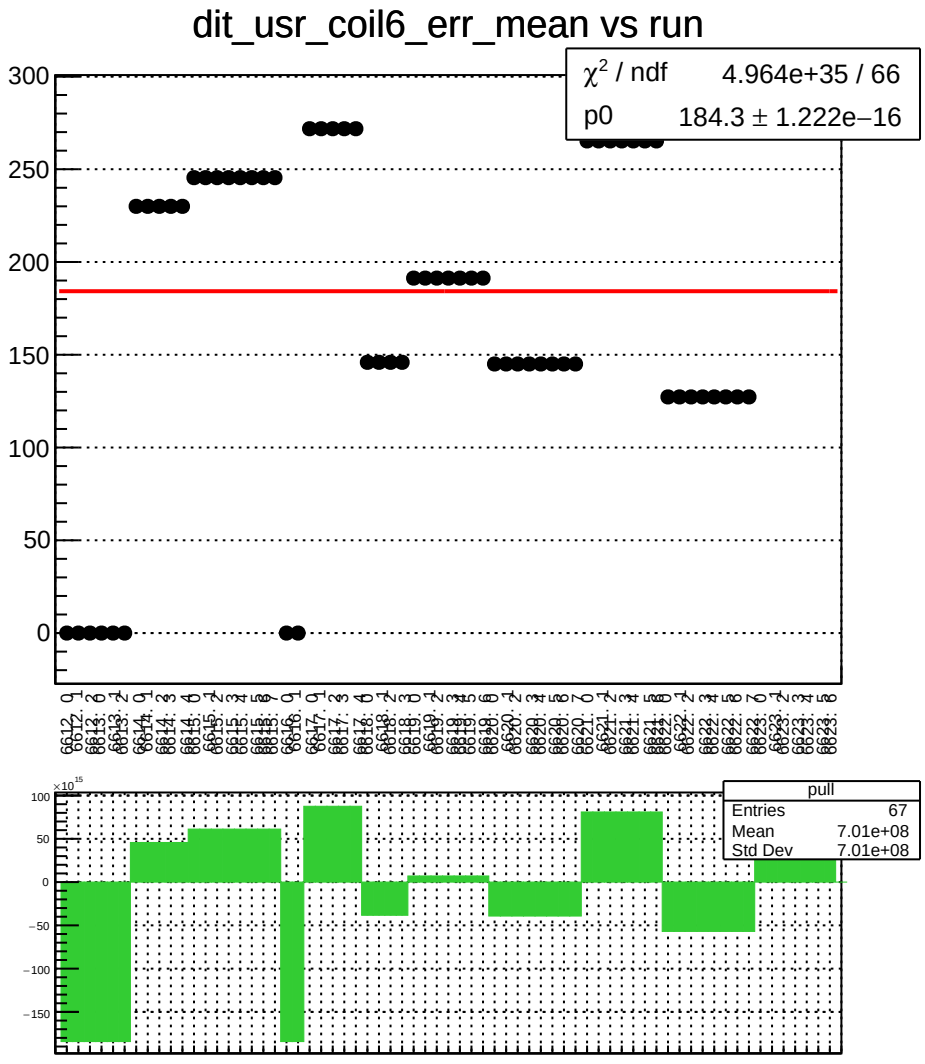

dit_usl_coil6_err_mean vs run
χ² / ndf 1.105e+36 / 66
p0 293.3 ± 1.222e−16
pull
Entries 67
Mean 2.693e+09
Std Dev 2.693e+09

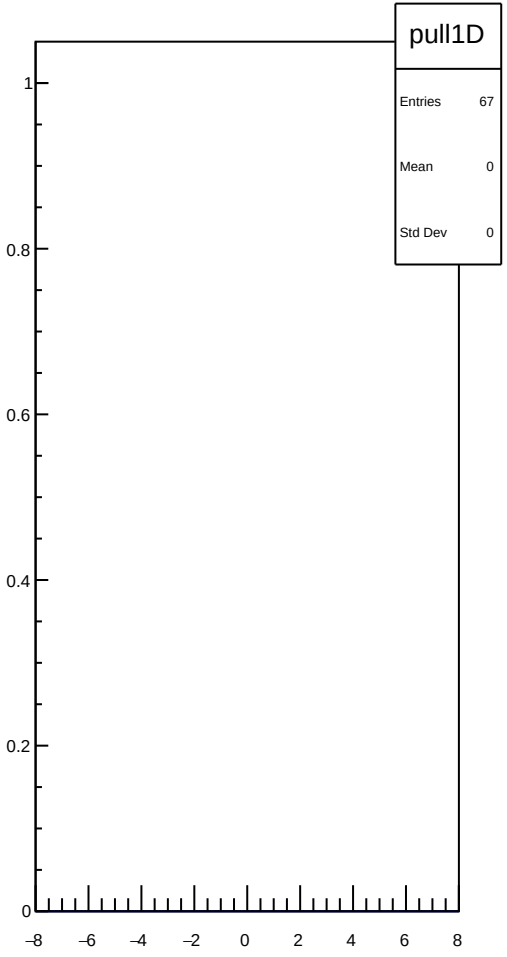

pull1D
Entries 67
Mean 0
Std Dev 0

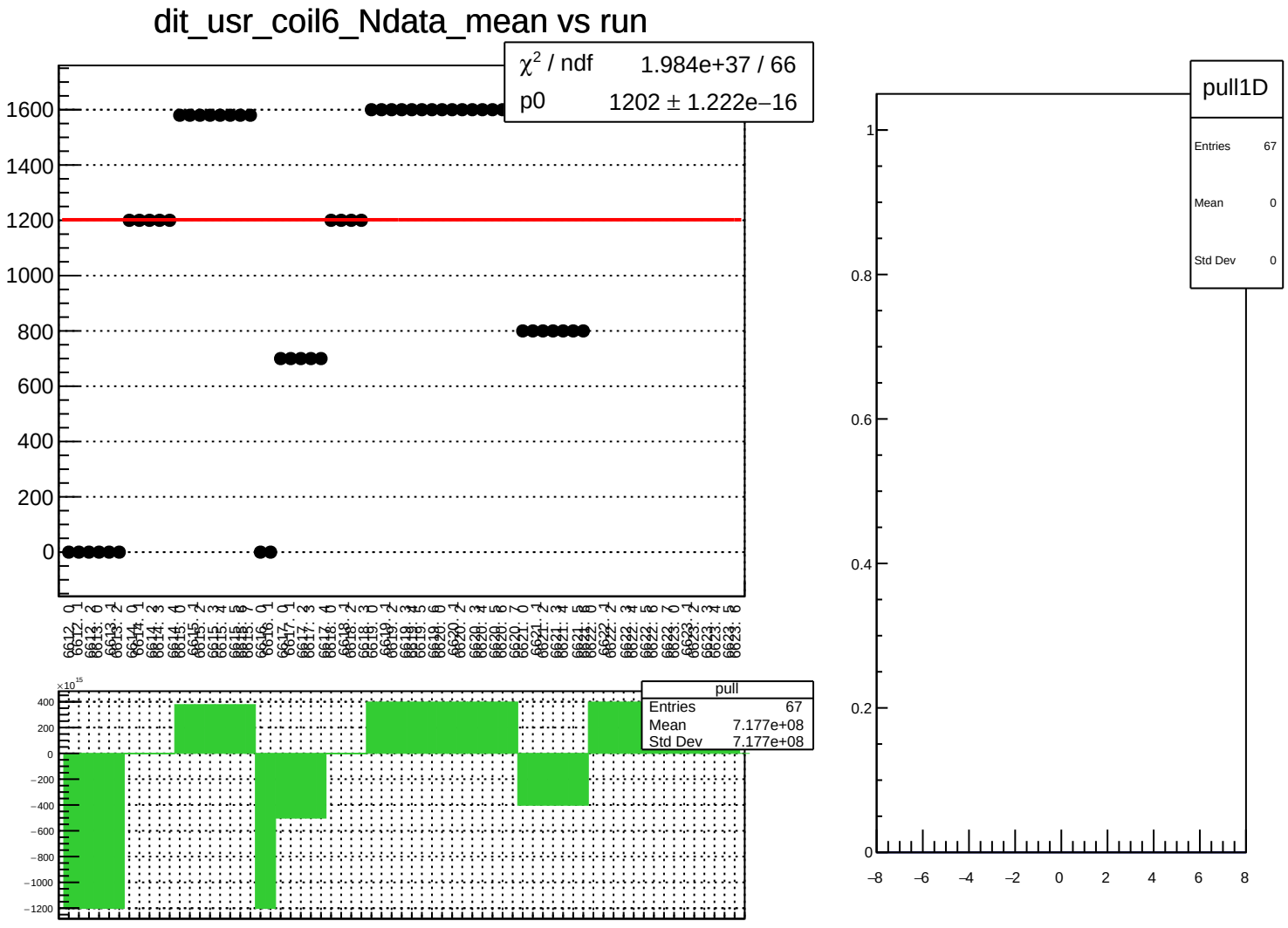

dit_usl_coil6_Ndata_mean vs run
χ^2 / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

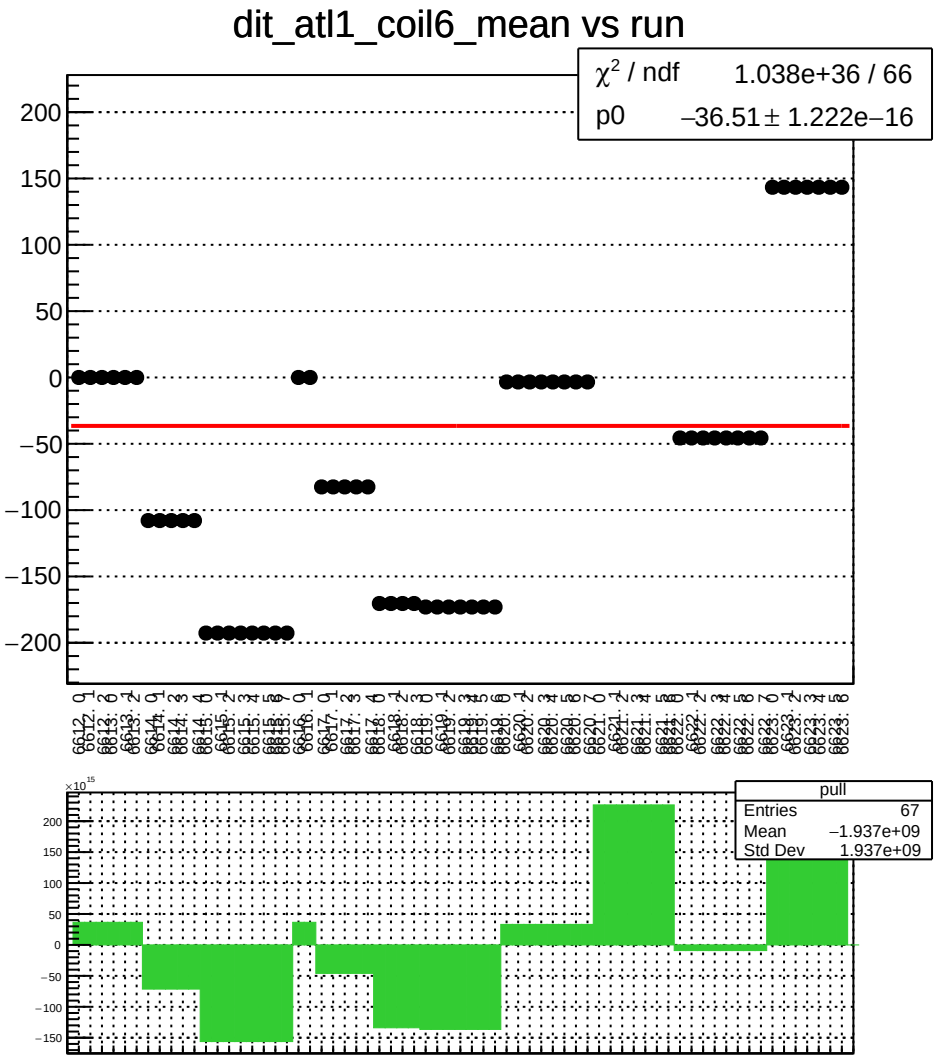

dit_usr_coil6_mean vs run
χ^2 / ndf 5.412e+36 / 66
p0 −690.5 ± 1.222e−16
0
−200
−400
−600
−800
−1000
pull
Entries 67
Mean 2.703e+09
Std Dev 2.703e+09
×10^15
600
400
200
0
−200

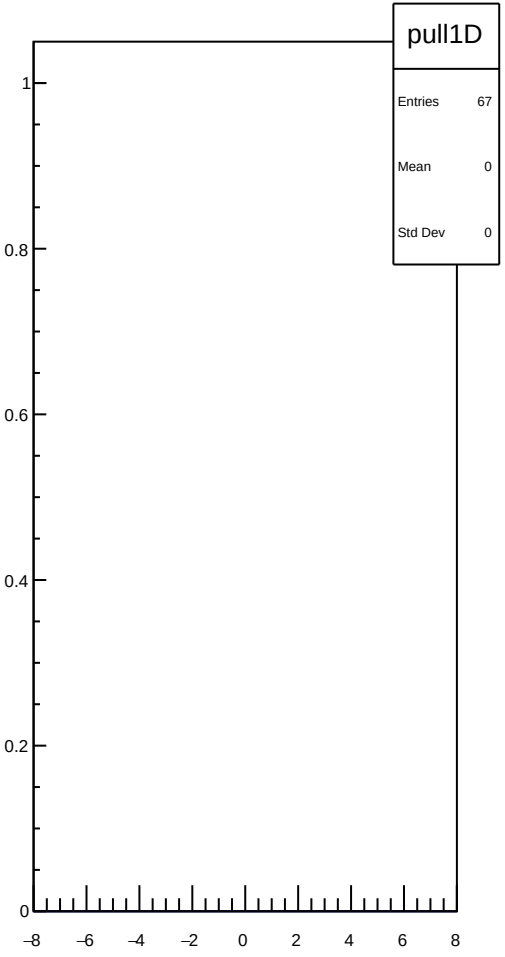

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

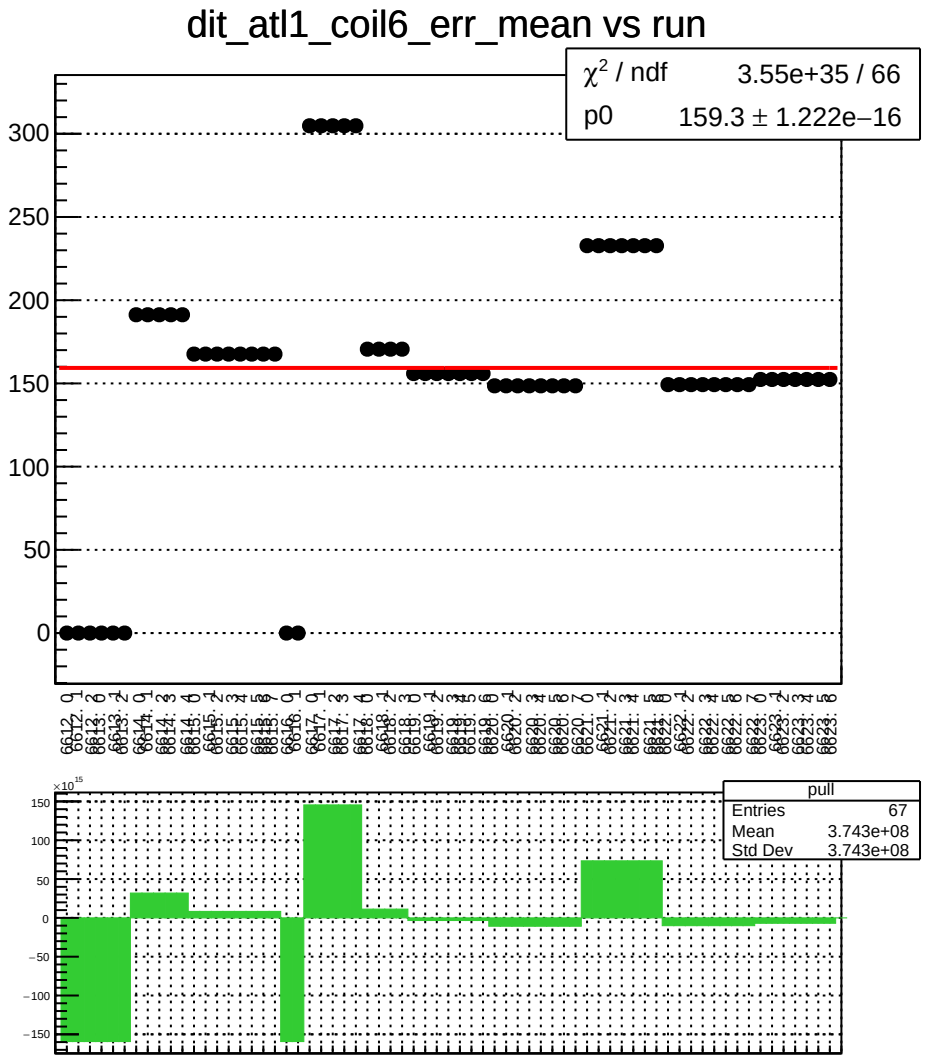

dit_usr_coil6_err_mean vs run
χ² / ndf 4.964e+35 / 66
p0 184.3 ± 1.222e−16
pull
Entries 67
Mean 7.01e+08
Std Dev 7.01e+08

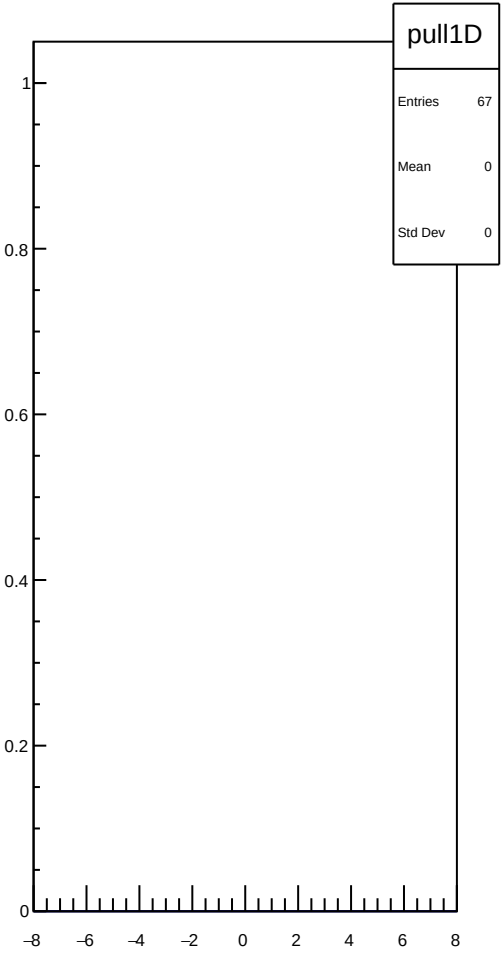

pull1D
Entries 67
Mean 0
Std Dev 0


dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

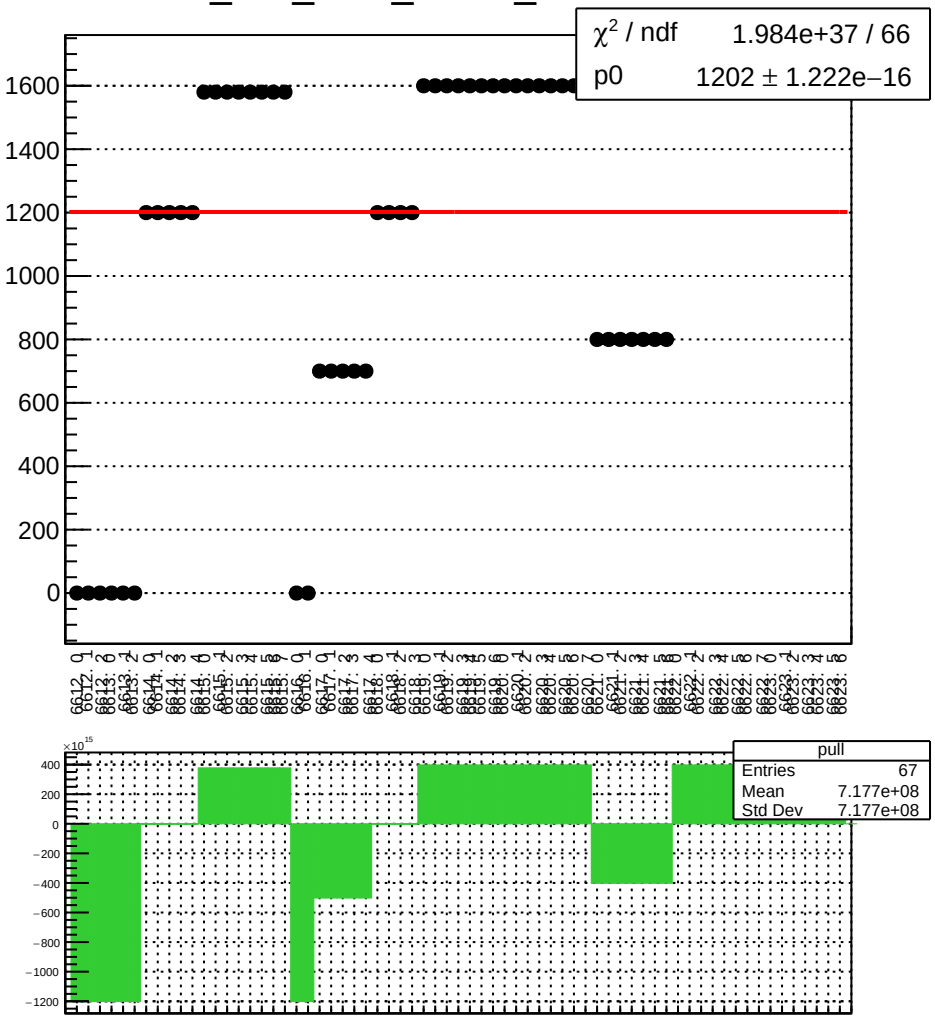

dit_atl1_coil6_mean vs run
χ² / ndf 1.038e+36 / 66
p0 −36.51 ± 1.222e−16
pull
Entries 67
Mean −1.937e+09
Std Dev 1.937e+09

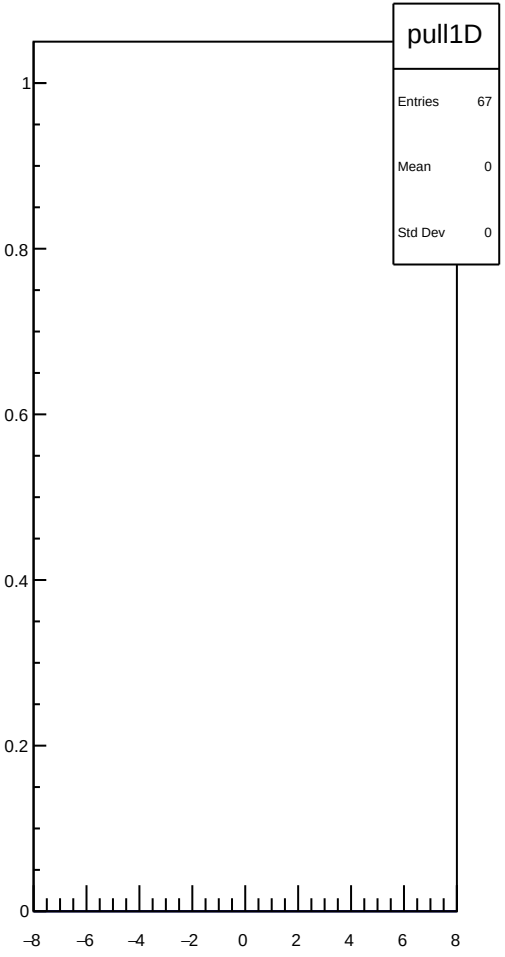

pull1D
Entries 67
Mean 0
Std Dev 0

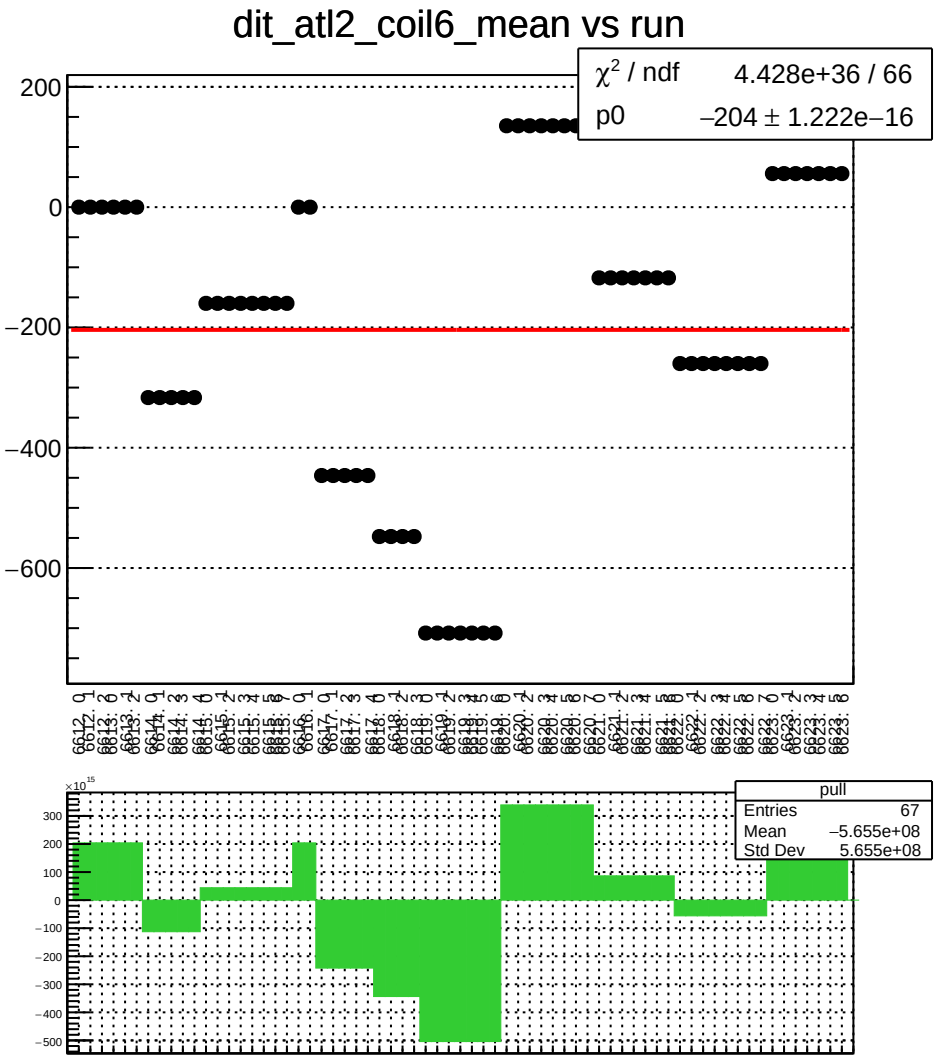

dit_atl1_coil6_err_mean vs run
χ² / ndf 3.55e+35 / 66
p0 159.3 ± 1.222e−16
pull
Entries 67
Mean 3.743e+08
Std Dev 3.743e+08

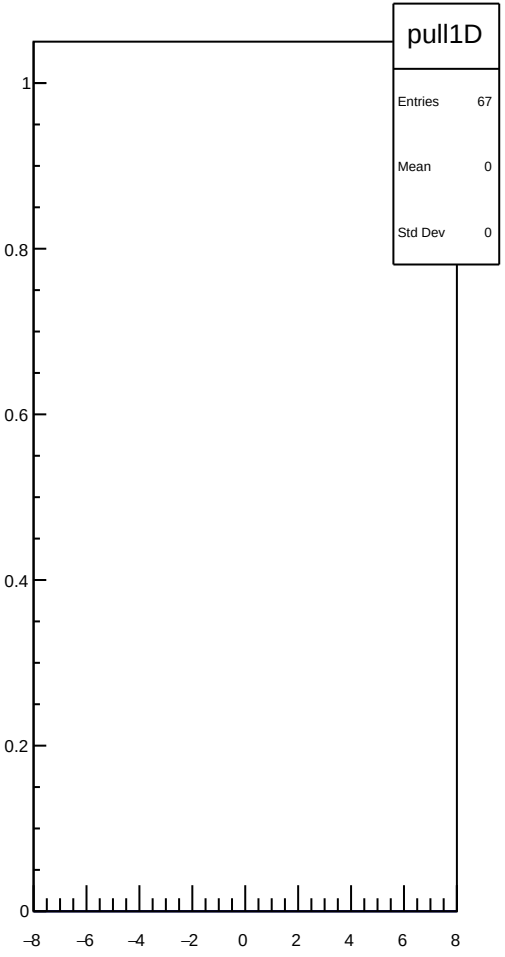

pull1D
Entries 67
Mean 0
Std Dev 0

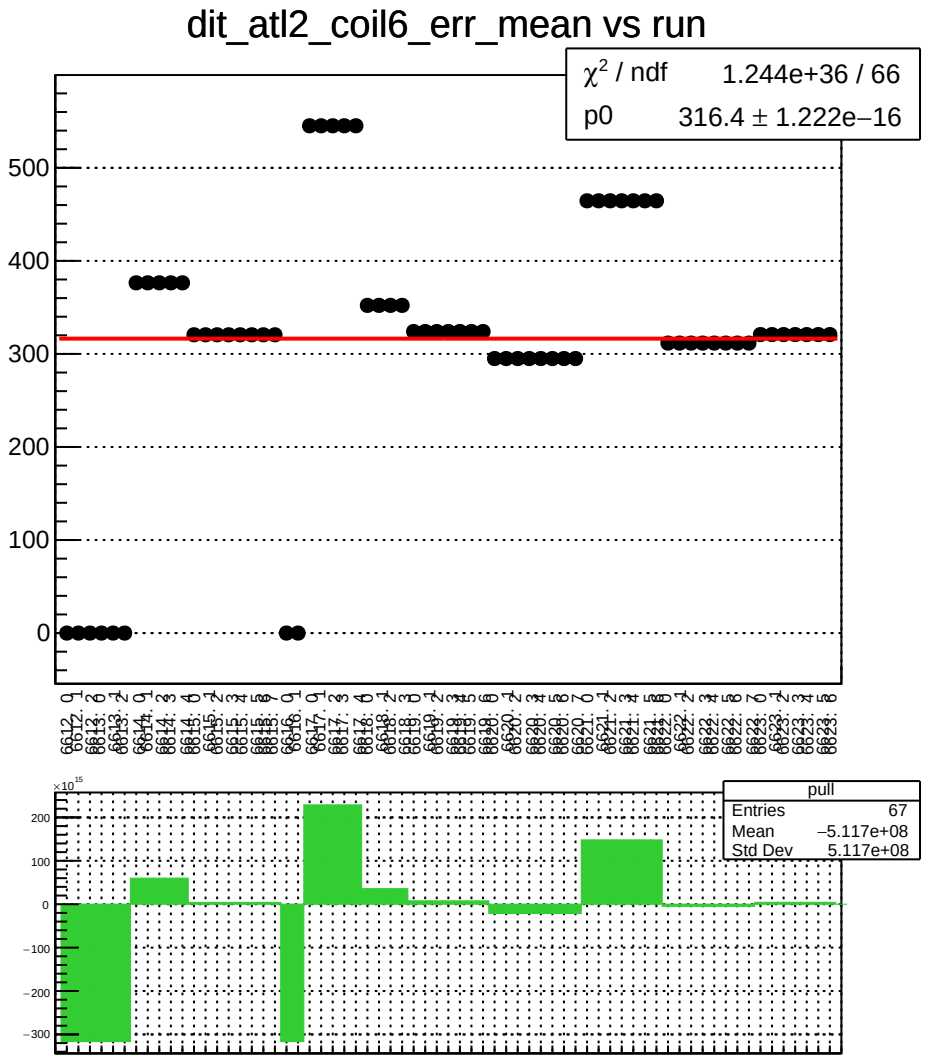
dit_atl1_coil6_Ndata_mean vs run

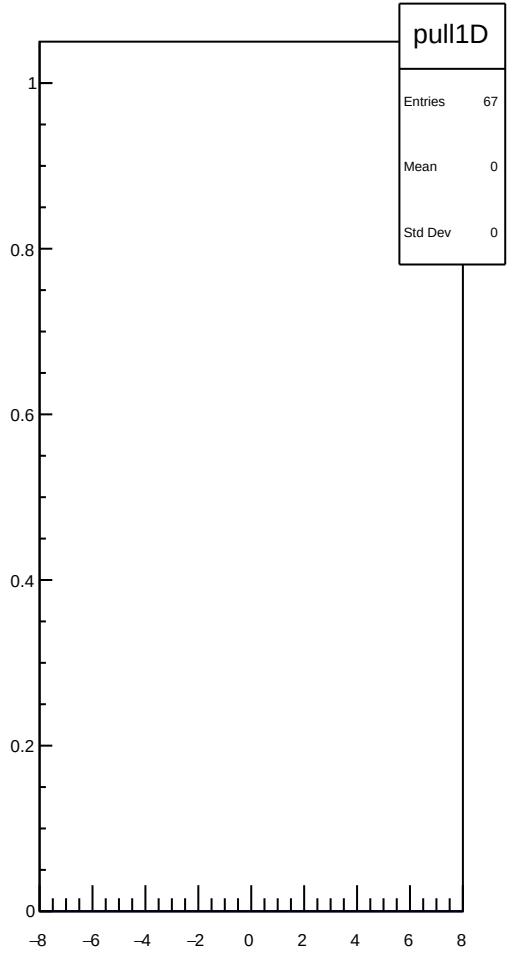




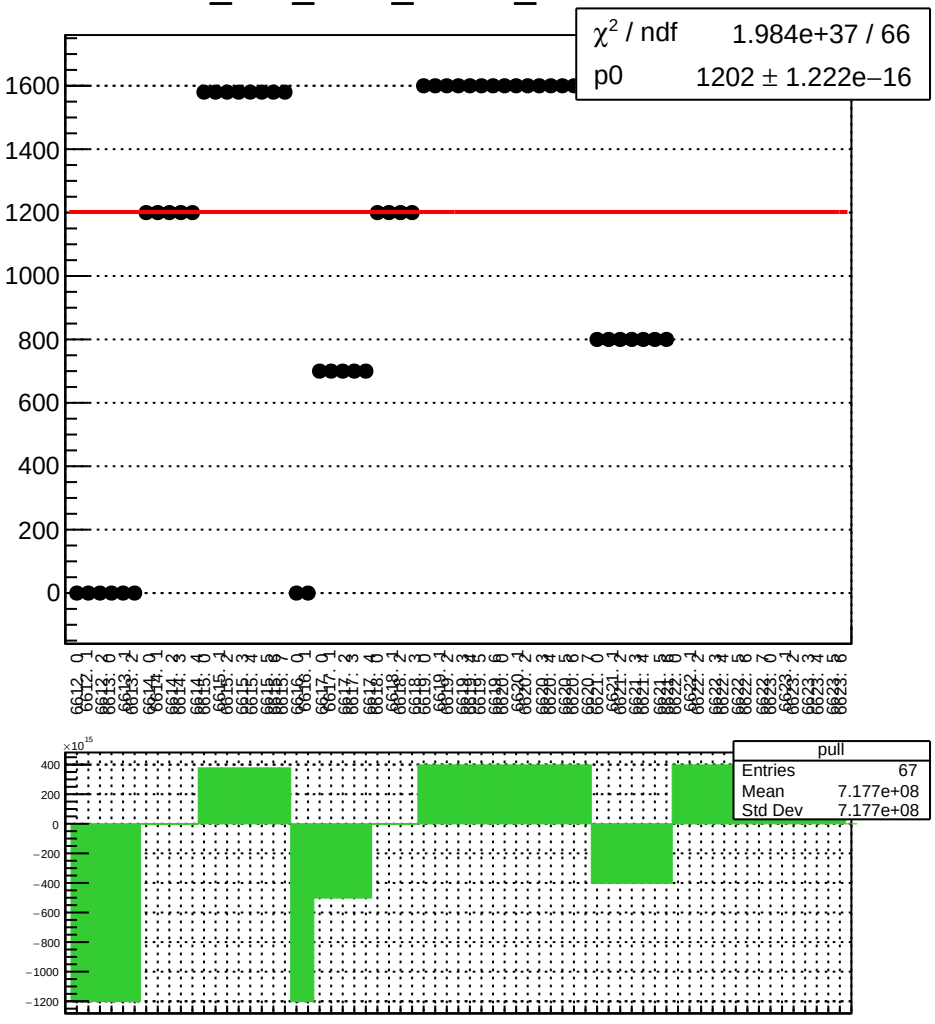

dit_atl2_coil6_mean vs run
χ² / ndf 4.428e+36 / 66
p0 −204 ± 1.222e−16
200
0
−200
−400
−600
pull
Entries 67
Mean −5.655e+08
Std Dev 5.655e+08
×10¹⁵
300
200
100
0
−100
−200
−300
−400
−500

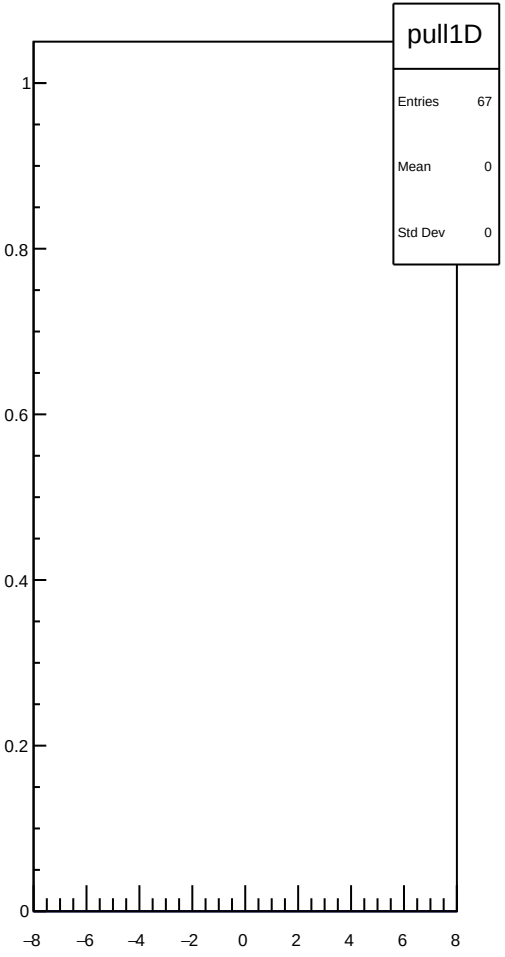

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

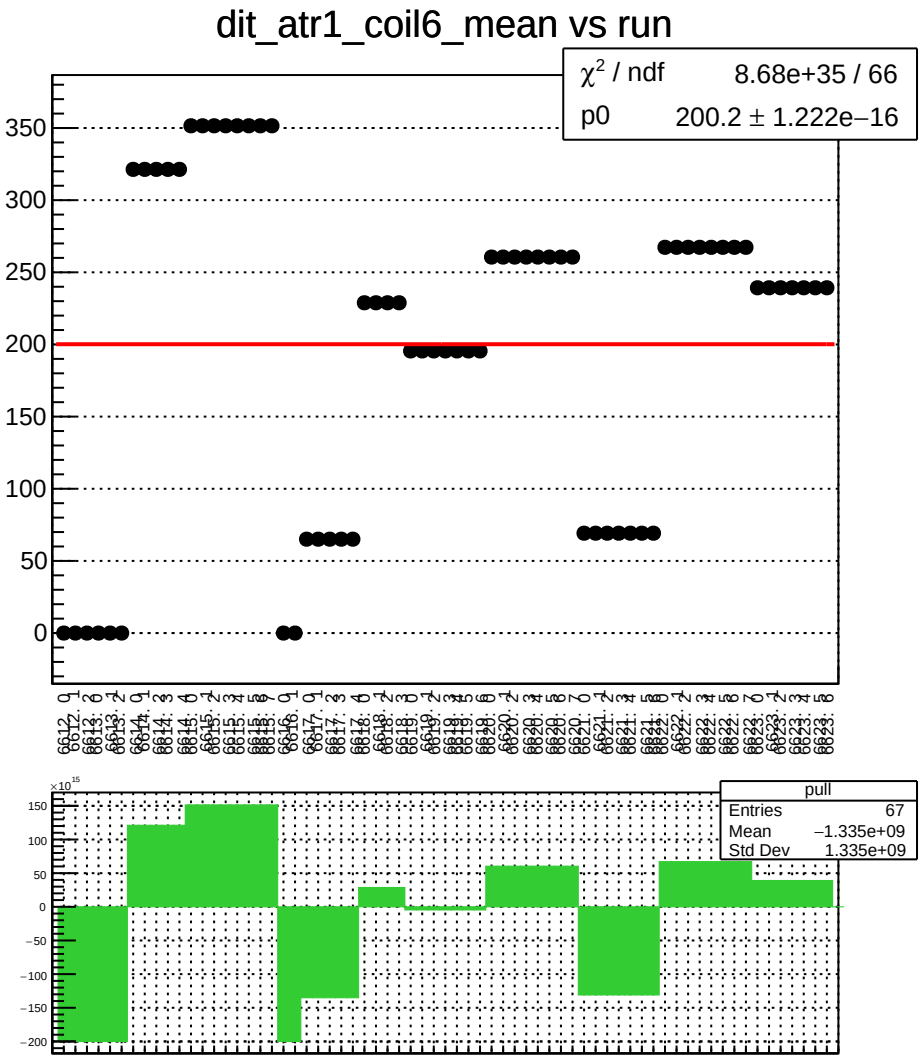

dit_atl2_coil6_err_mean vs run
χ² / ndf 1.244e+36 / 66
p0 316.4 ± 1.222e−16
pull
Entries 67
Mean −5.117e+08
Std Dev 5.117e+08

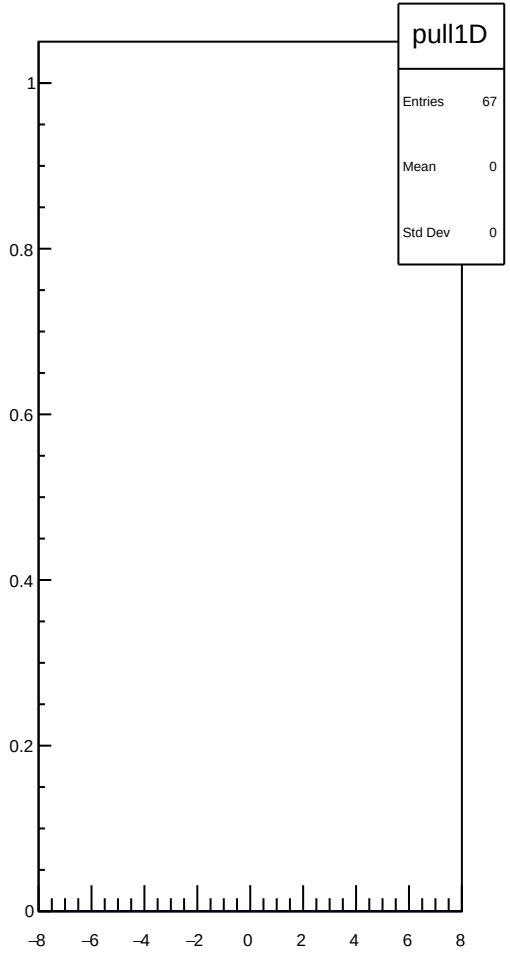

pull1D
Entries 67
Mean 0
Std Dev 0

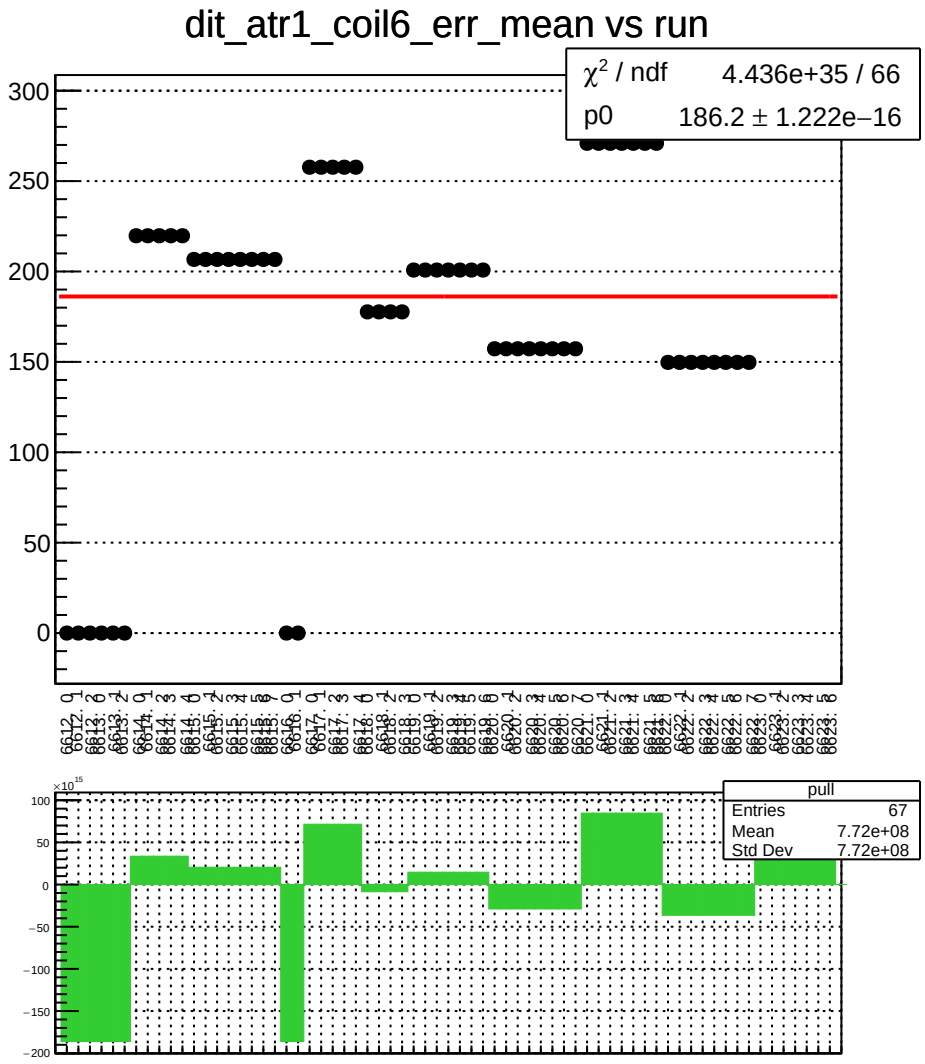
dit_atl2_coil6_Ndata_mean vs run

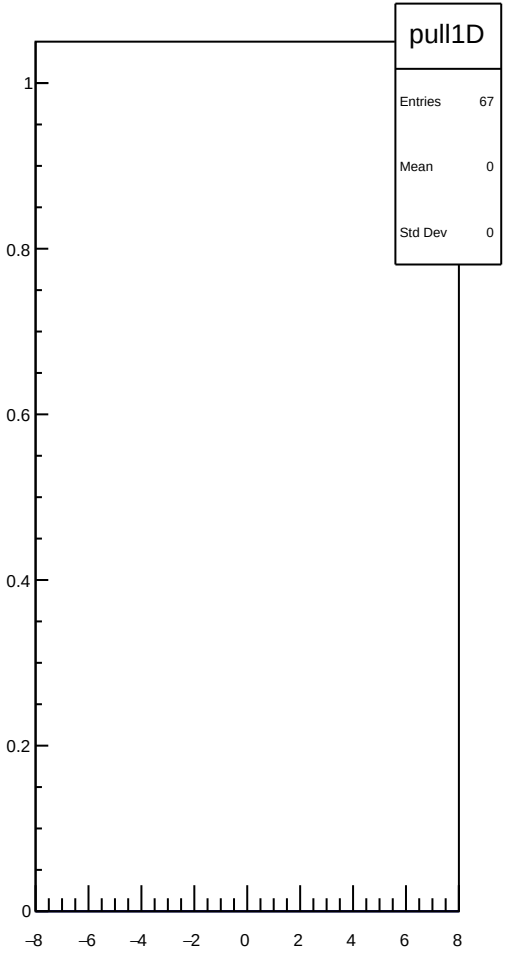




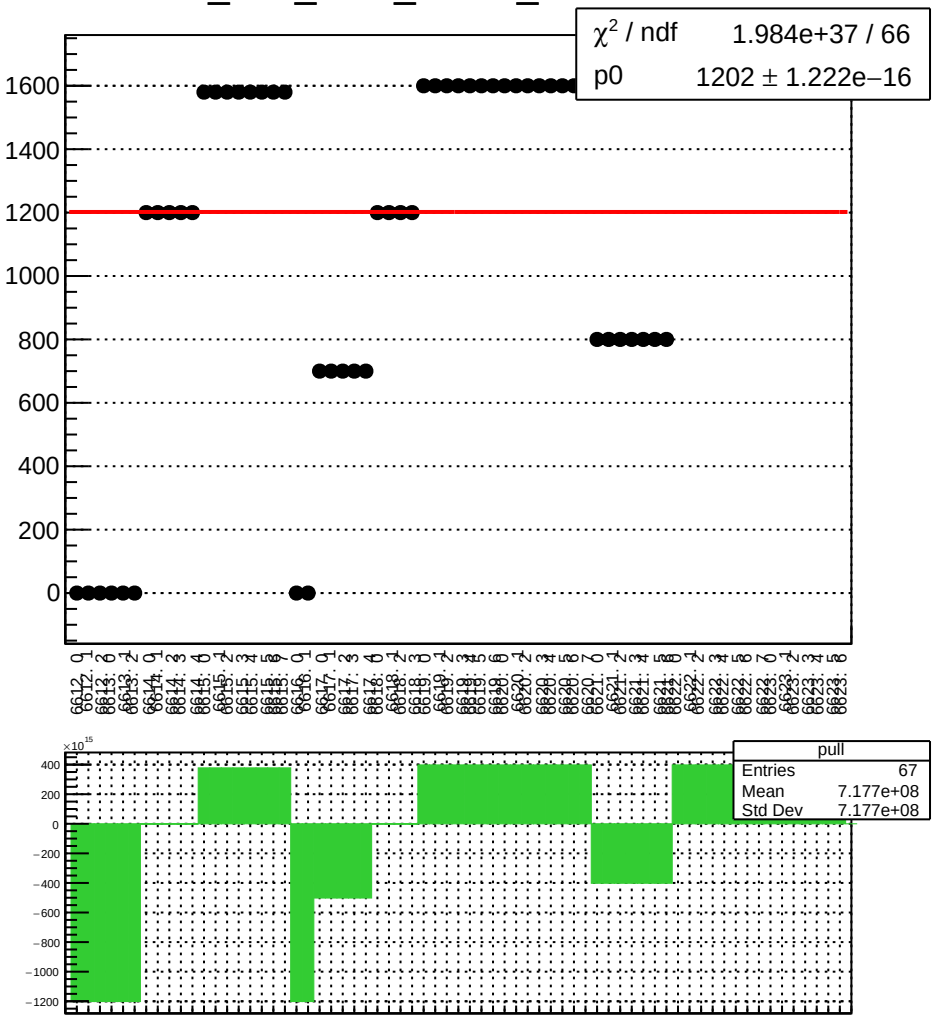

dit_atr1_coil6_mean vs run
χ² / ndf 8.68e+35 / 66
p0 200.2 ± 1.222e−16
pull
Entries 67
Mean −1.335e+09
Std Dev 1.335e+09

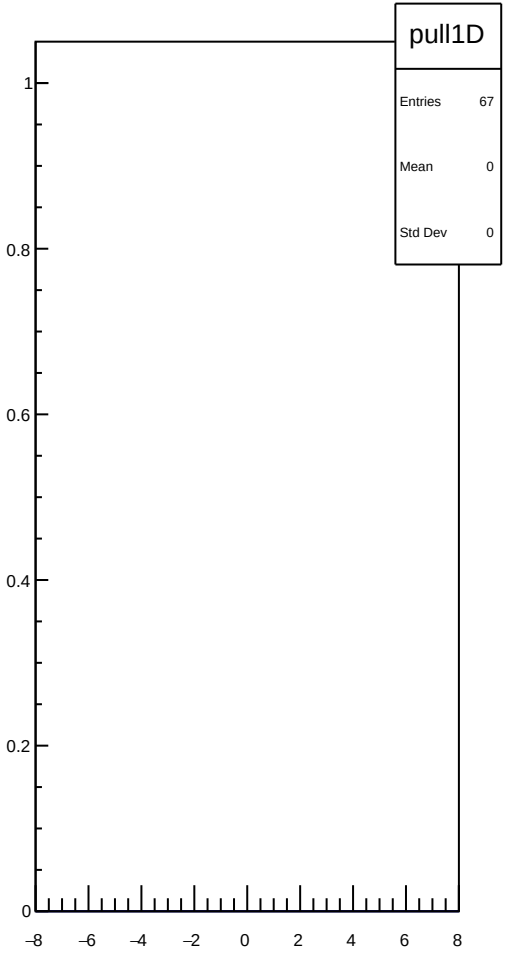

pull1D
Entries 67
Mean 0
Std Dev 0

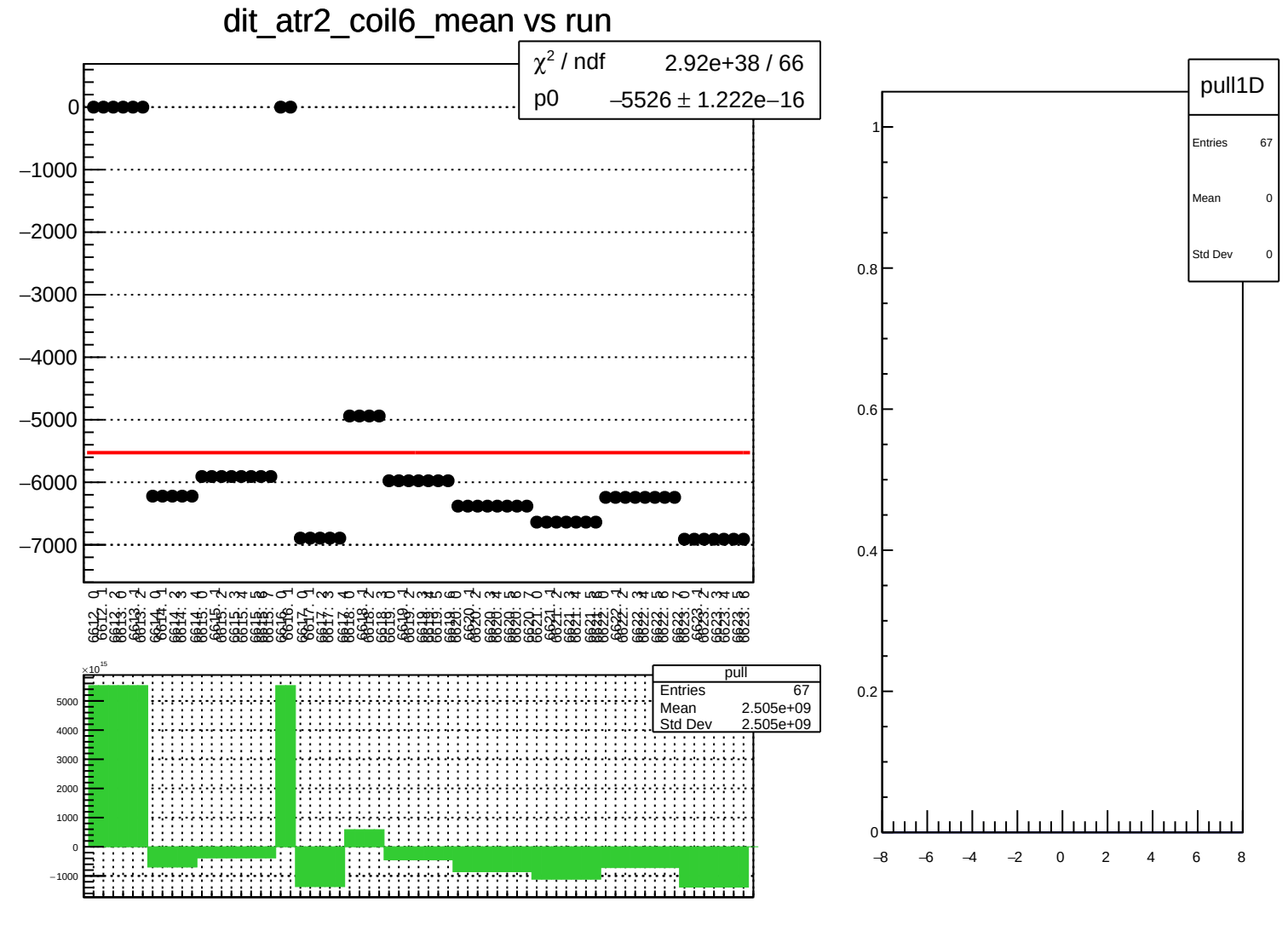

dit_atr1_coil6_err_mean vs run
χ² / ndf 4.436e+35 / 66
p0 186.2 ± 1.222e−16
pull
Entries 67
Mean 7.72e+08
Std Dev 7.72e+08

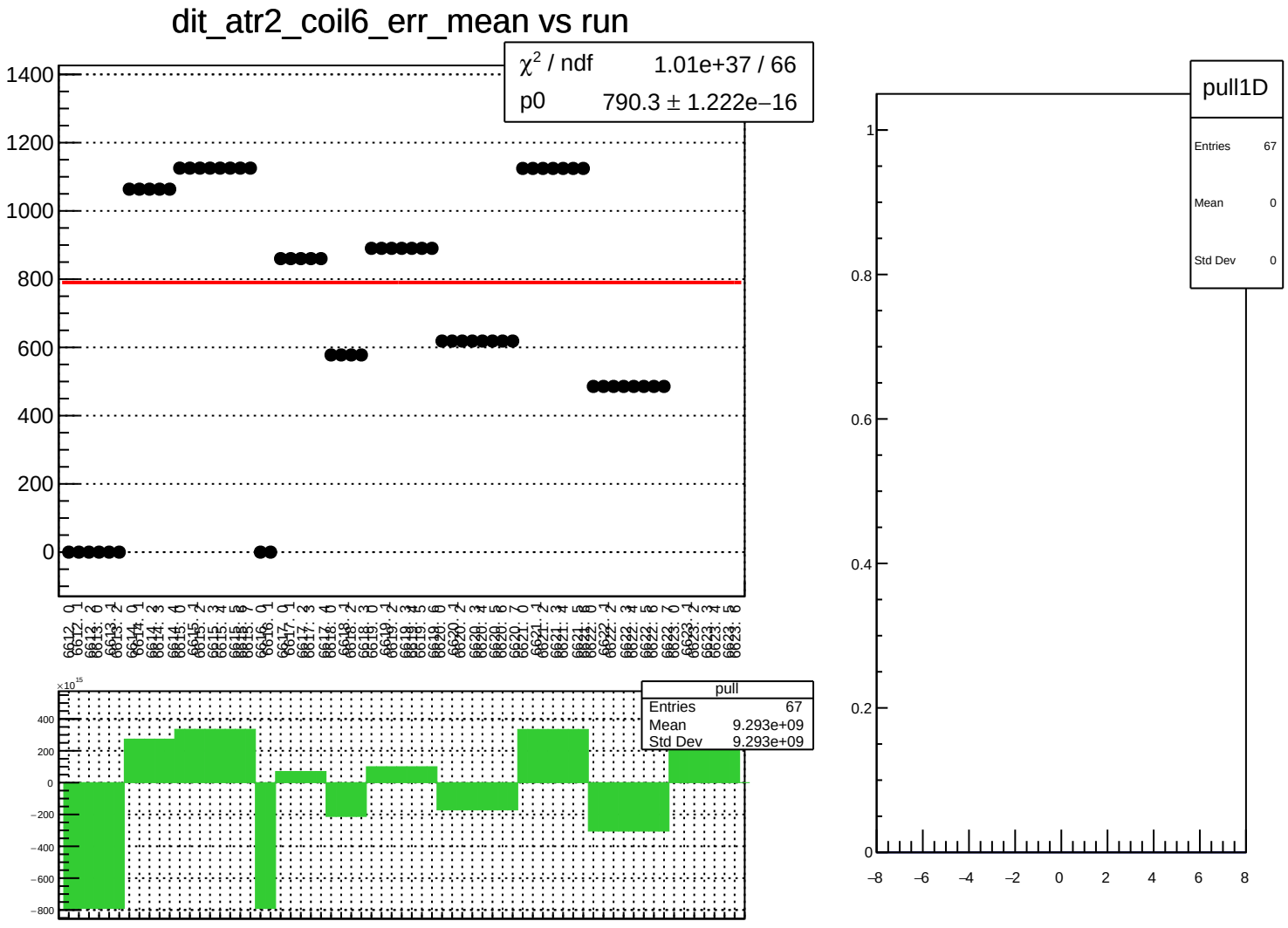

pull1D
Entries 67
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run

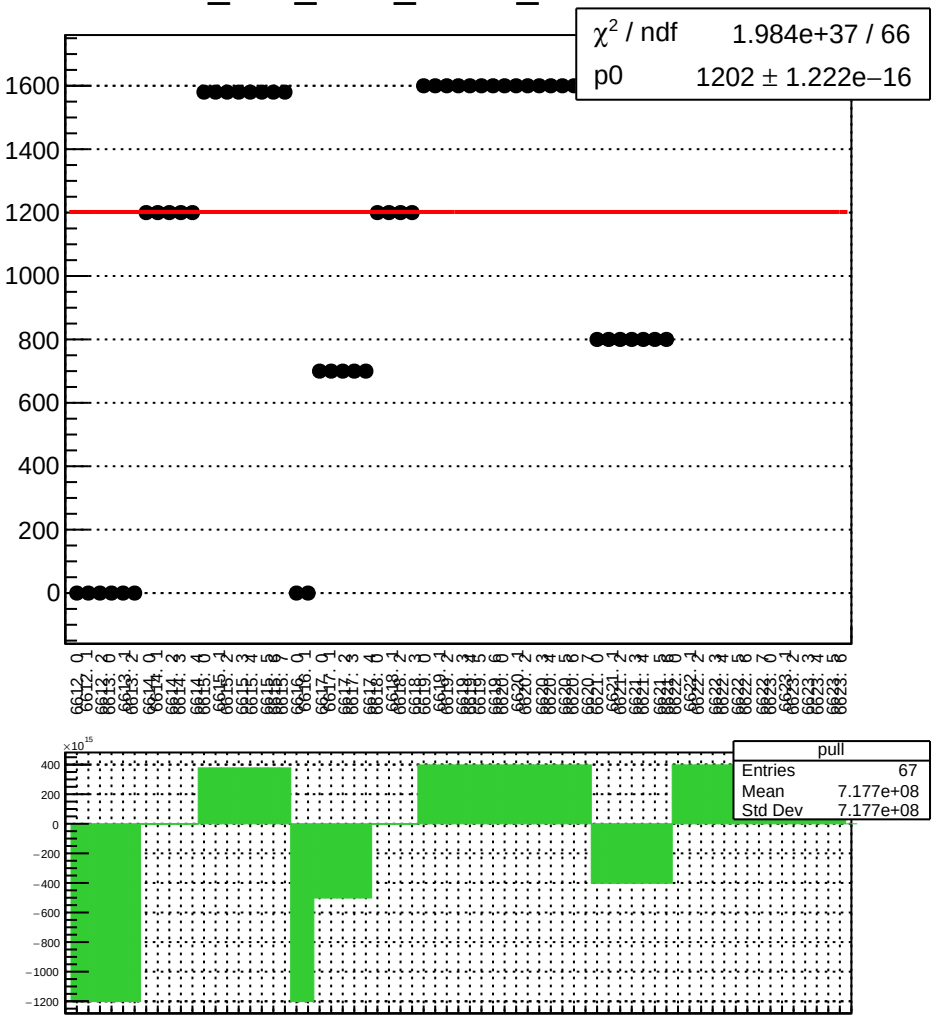


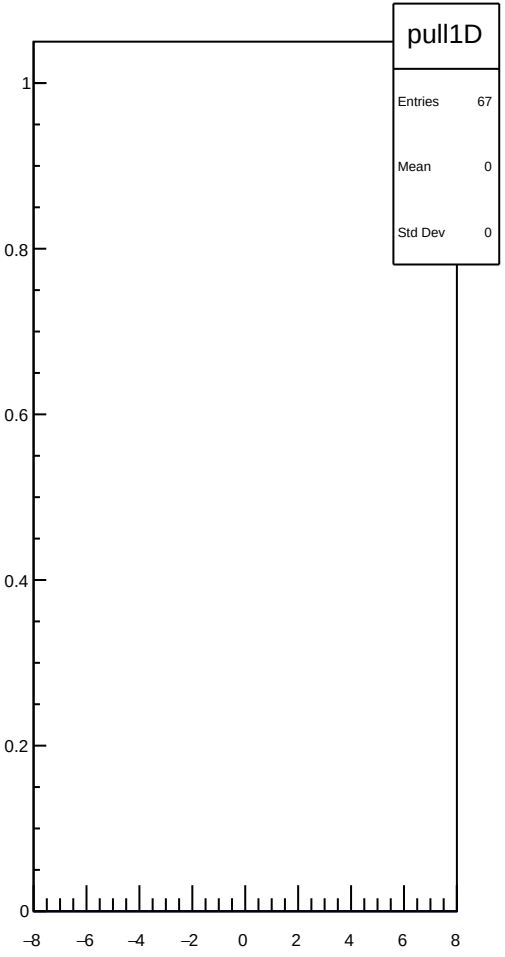


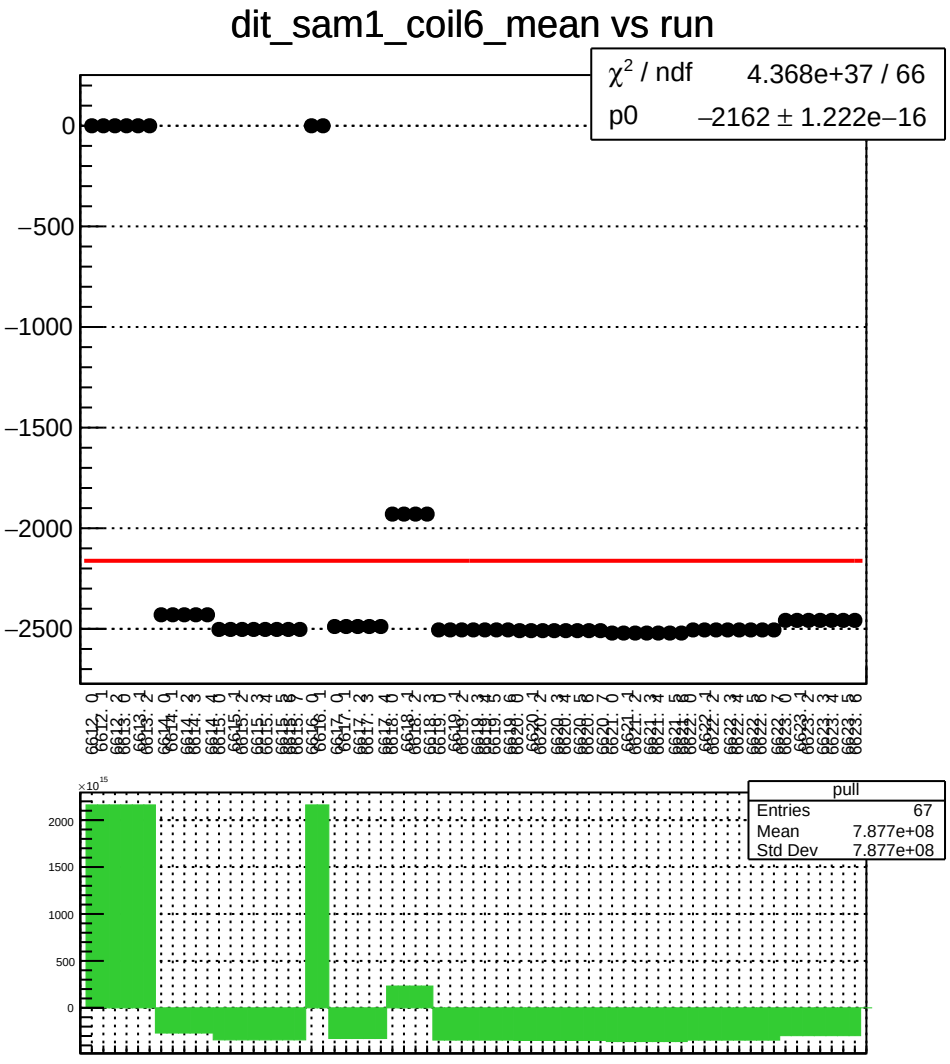

dit_atr2_coil6_mean vs run
χ² / ndf 2.92e+38 / 66
p0 –5526 ± 1.222e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 67
Mean 2.505e+09
Std Dev 2.505e+09
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

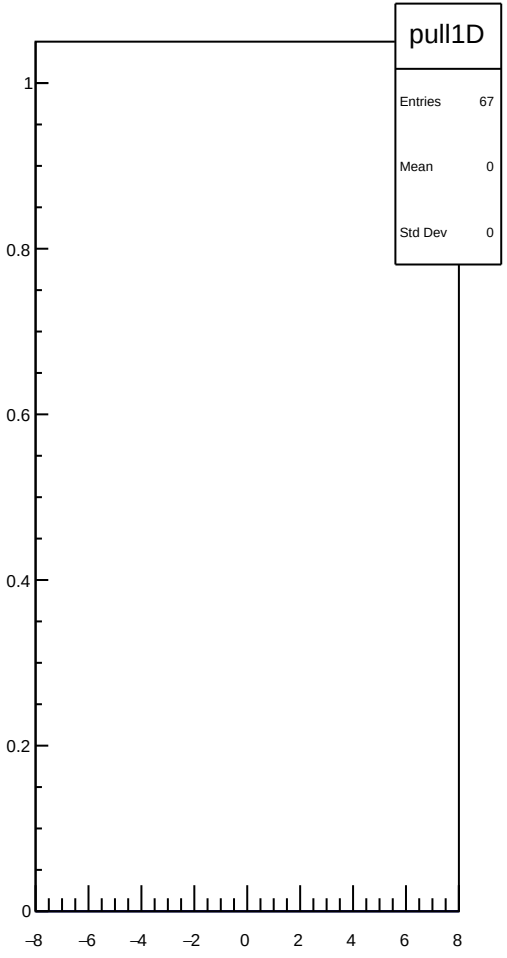

dit_atr2_coil6_err_mean vs run
χ² / ndf 1.01e+37 / 66
p0 790.3 ± 1.222e−16
pull
Entries 67
Mean 9.293e+09
Std Dev 9.293e+09
pull1D
Entries 67
Mean 0
Std Dev 0

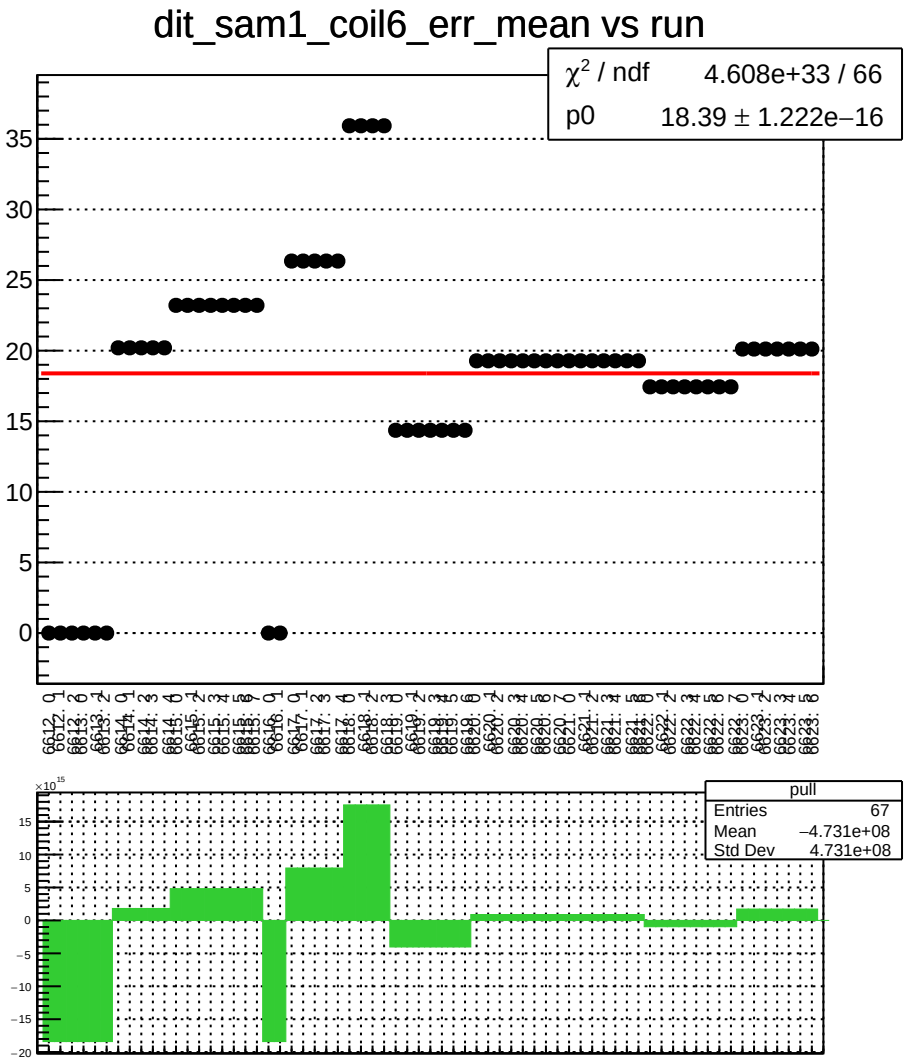
dit_atr2_coil6_Ndata_mean vs run

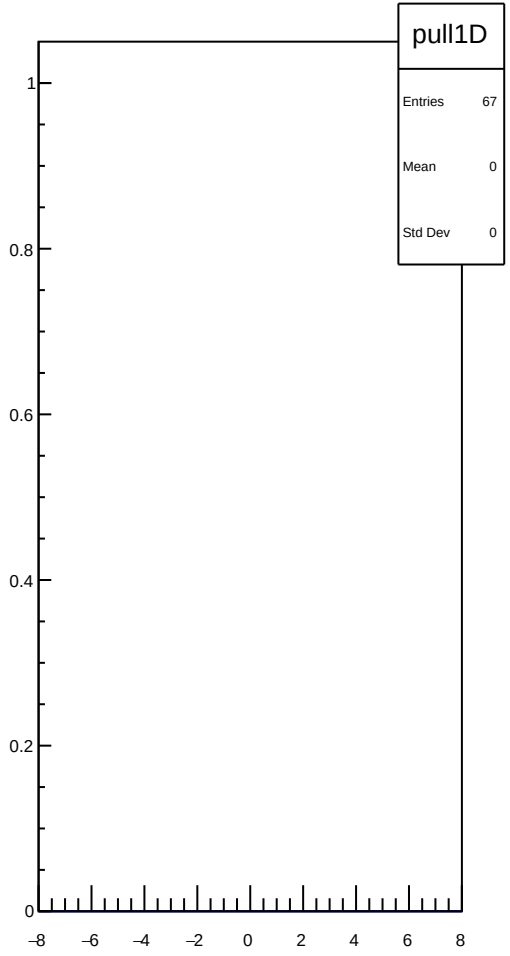


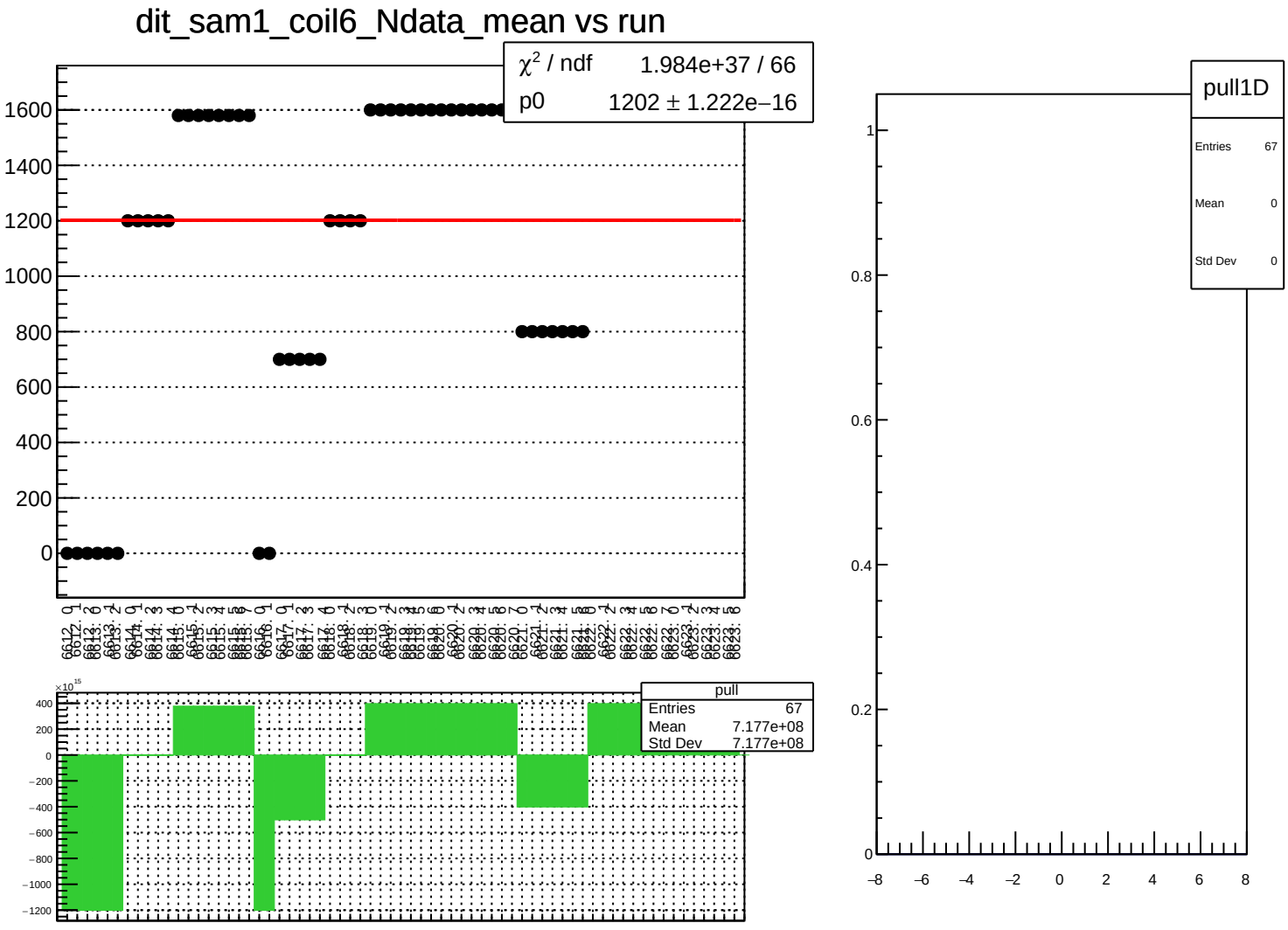


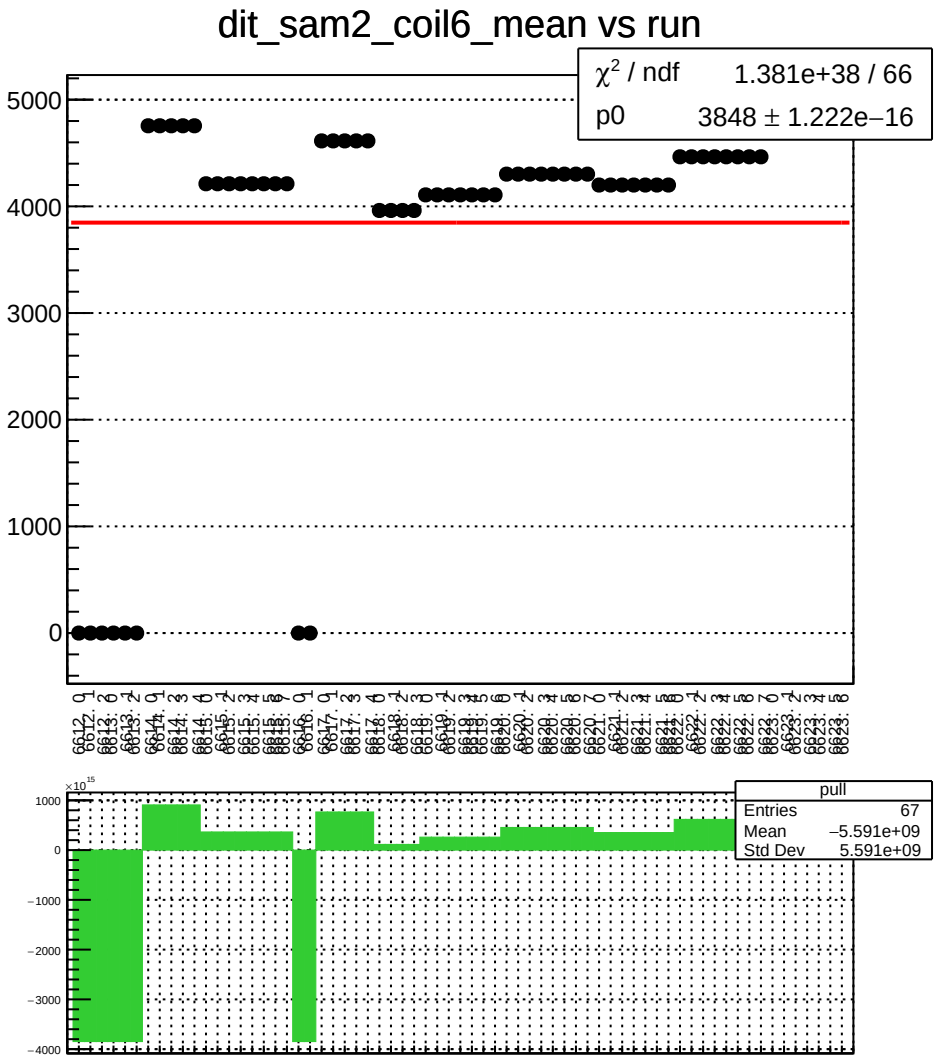

dit_sam1_coil6_mean vs run
χ² / ndf 4.368e+37 / 66
p0 −2162 ± 1.222e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 67
Mean 7.877e+08
Std Dev 7.877e+08
×10¹⁵
2000
1500
1000
500
0

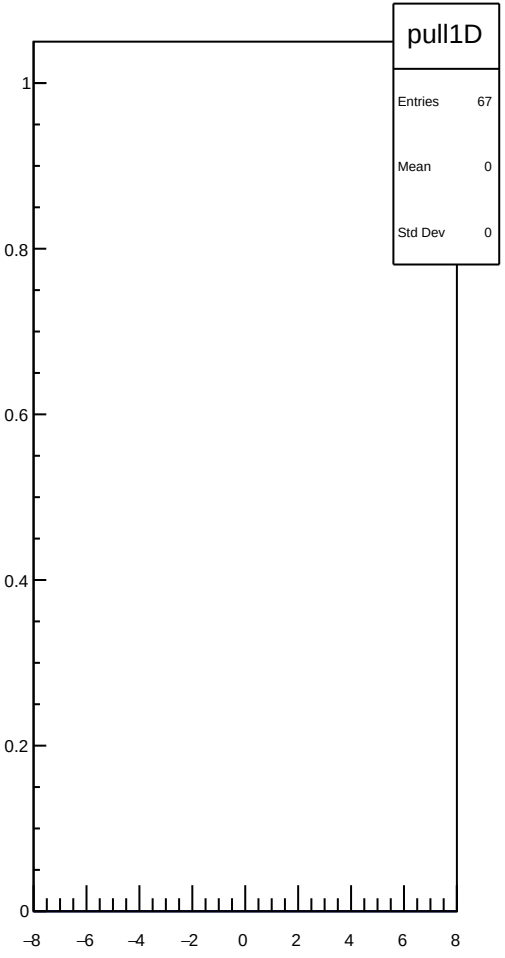

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

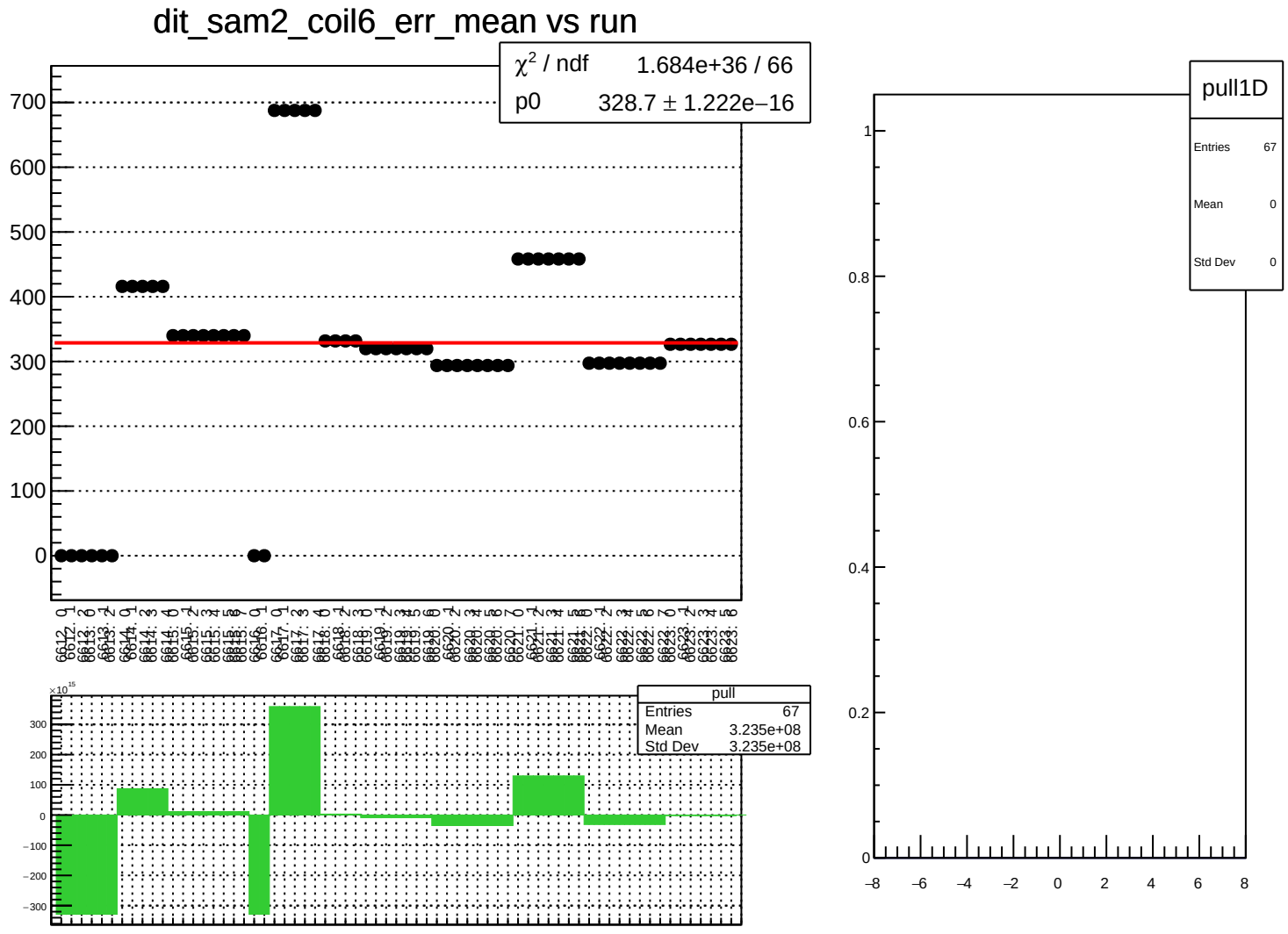

dit_sam1_coil6_err_mean vs run
χ² / ndf 4.608e+33 / 66
p0 18.39 ± 1.222e−16
pull
Entries 67
Mean −4.731e+08
Std Dev 4.731e+08

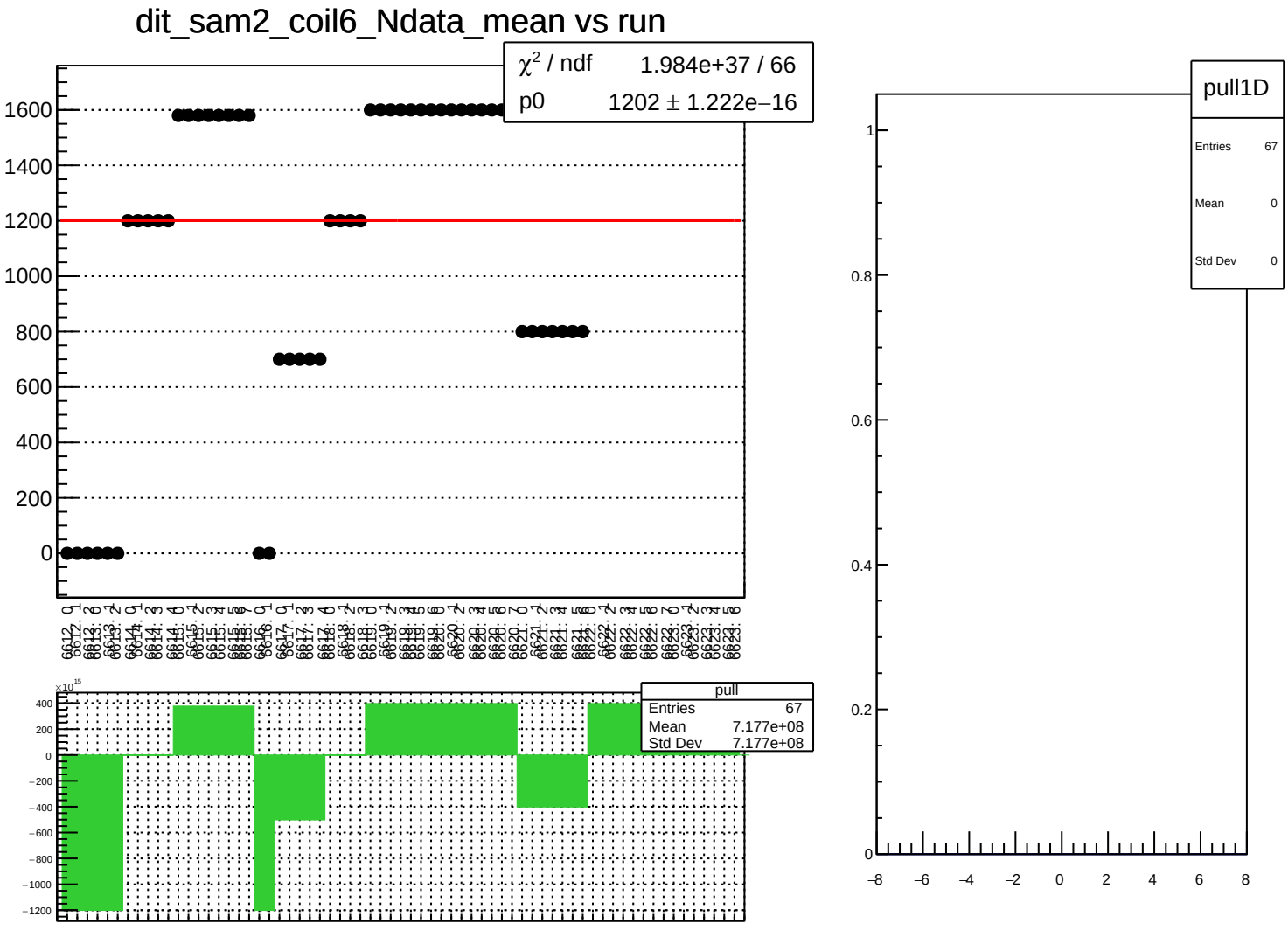

pull1D
Entries 67
Mean 0
Std Dev 0

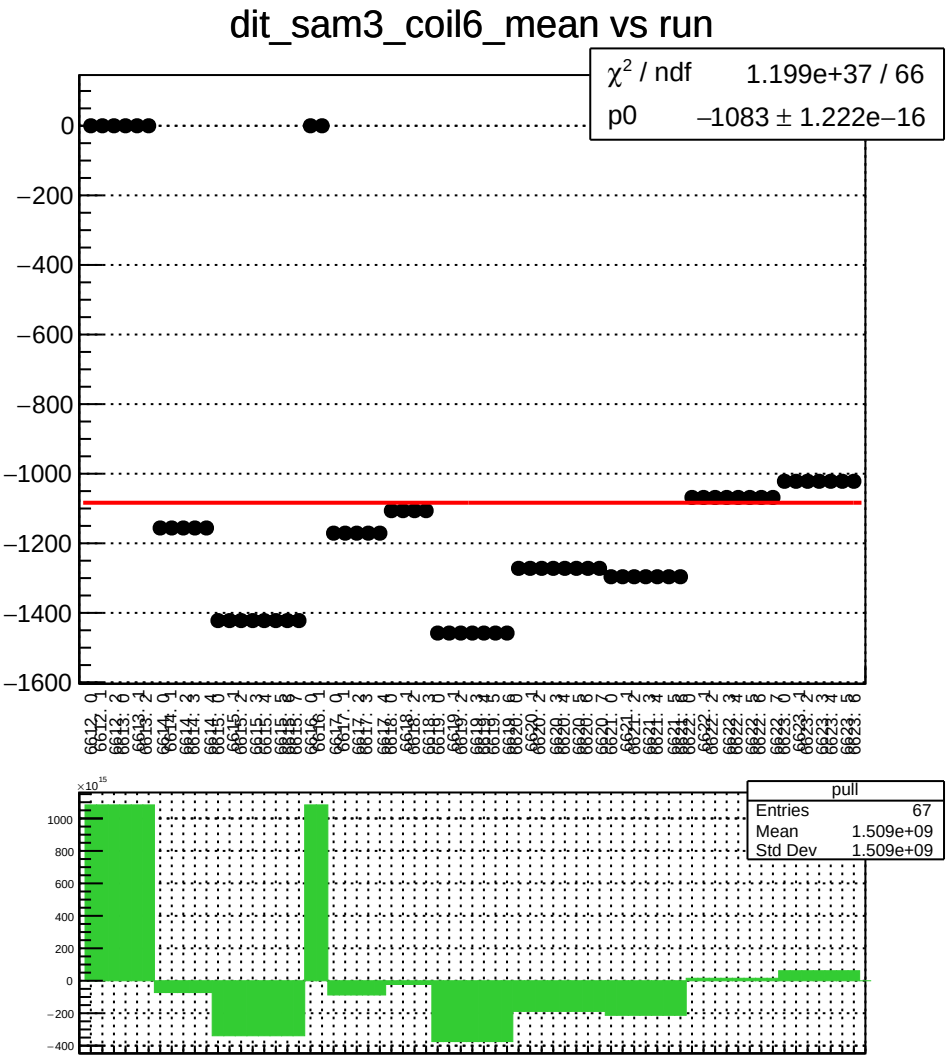

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

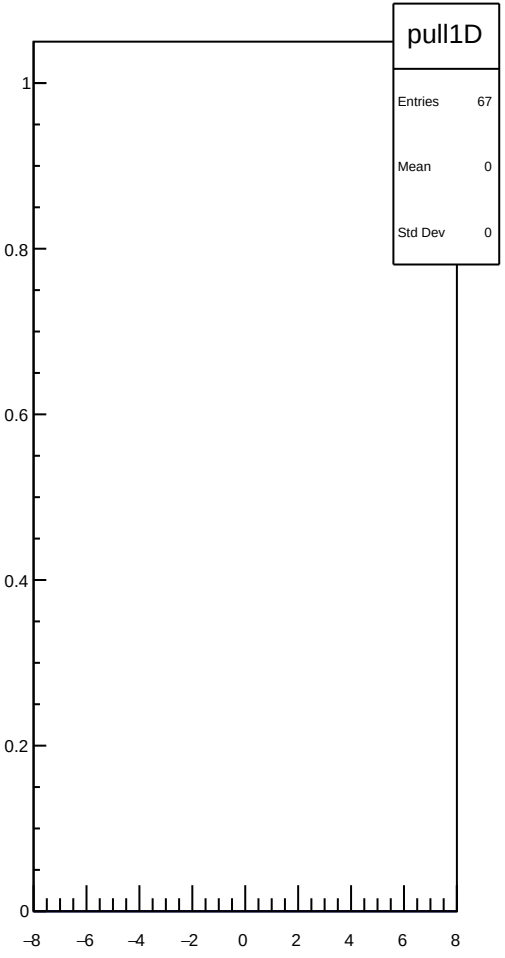

dit_sam2_coil6_mean vs run
χ² / ndf 1.381e+38 / 66
p0 3848 ± 1.222e−16
5000
4000
3000
2000
1000
0
pull
Entries 67
Mean −5.591e+09
Std Dev 5.591e+09
×10¹⁵
1000
0
−1000
−2000
−3000
−4000

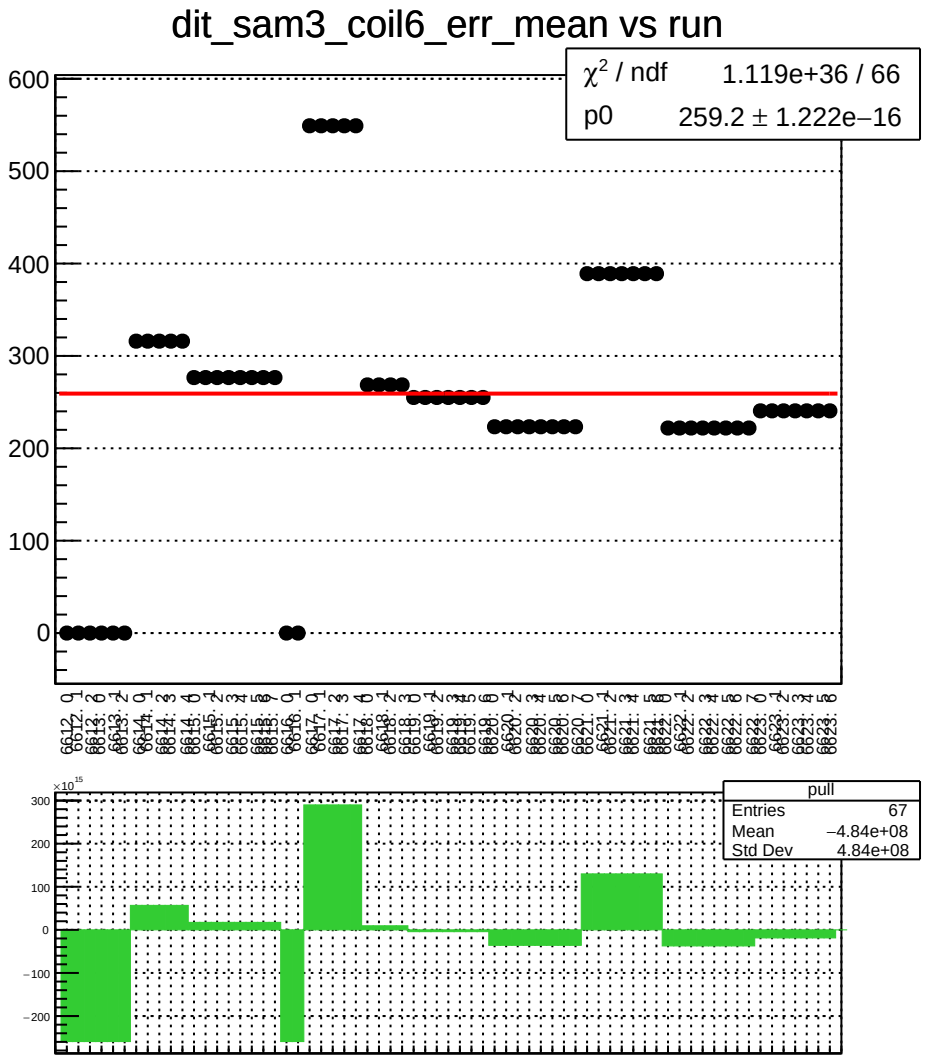

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

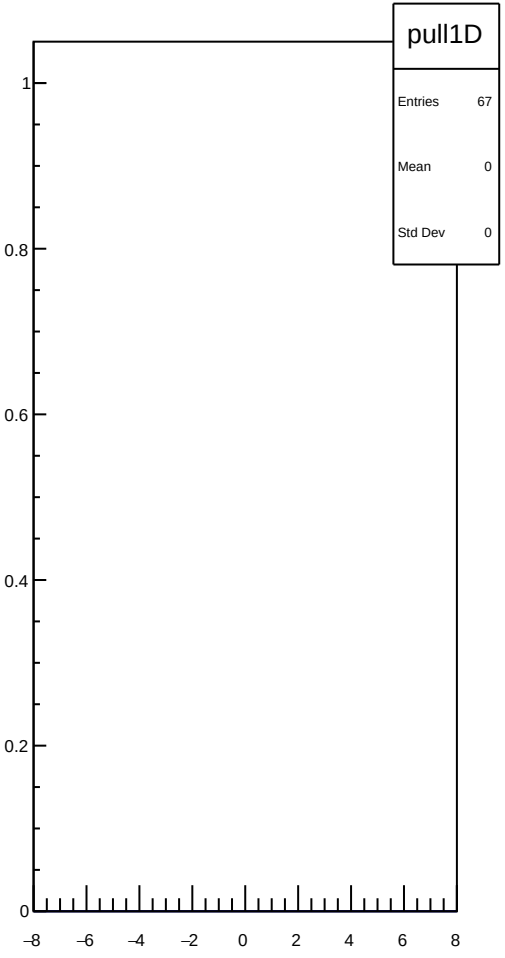

dit_sam2_coil6_err_mean vs run
χ² / ndf 1.684e+36 / 66
p0 328.7 ± 1.222e−16
pull
Entries 67
Mean 3.235e+08
Std Dev 3.235e+08
pull1D
Entries 67
Mean 0
Std Dev 0

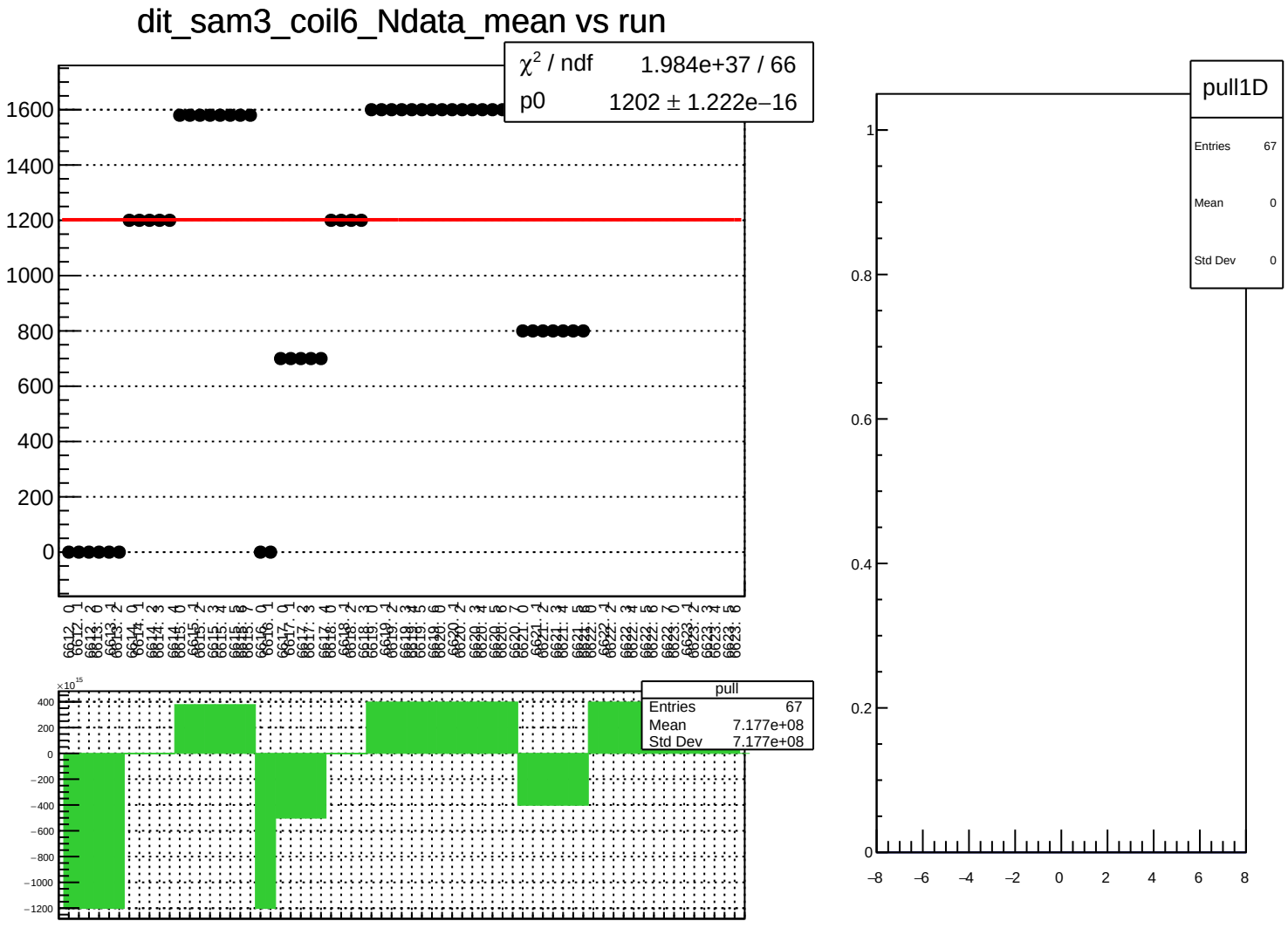

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

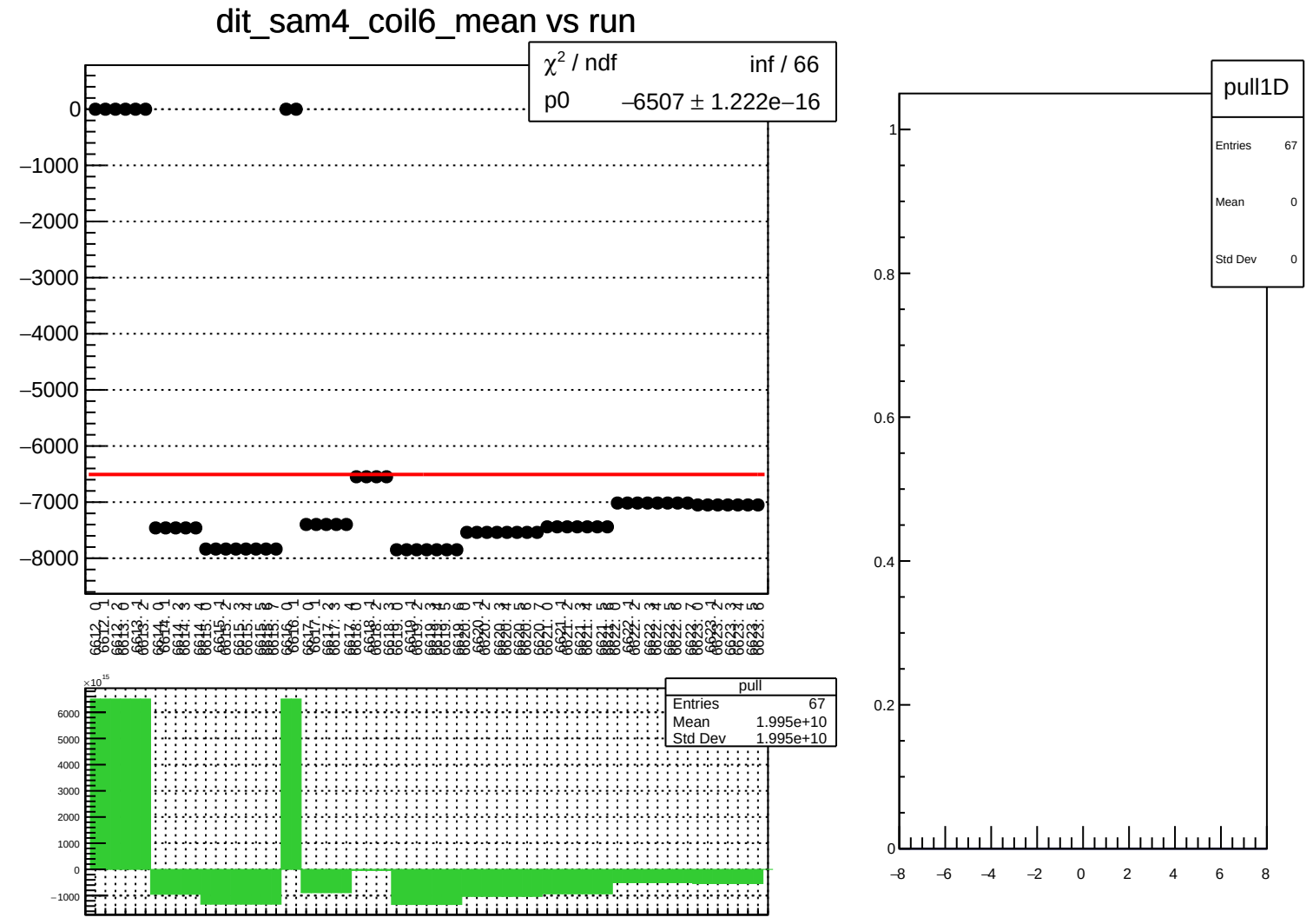

dit_sam3_coil6_mean vs run
χ² / ndf 1.199e+37 / 66
p0 −1083 ± 1.222e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 67
Mean 1.509e+09
Std Dev 1.509e+09
×10¹⁵
1000
800
600
400
200
0
−200
−400

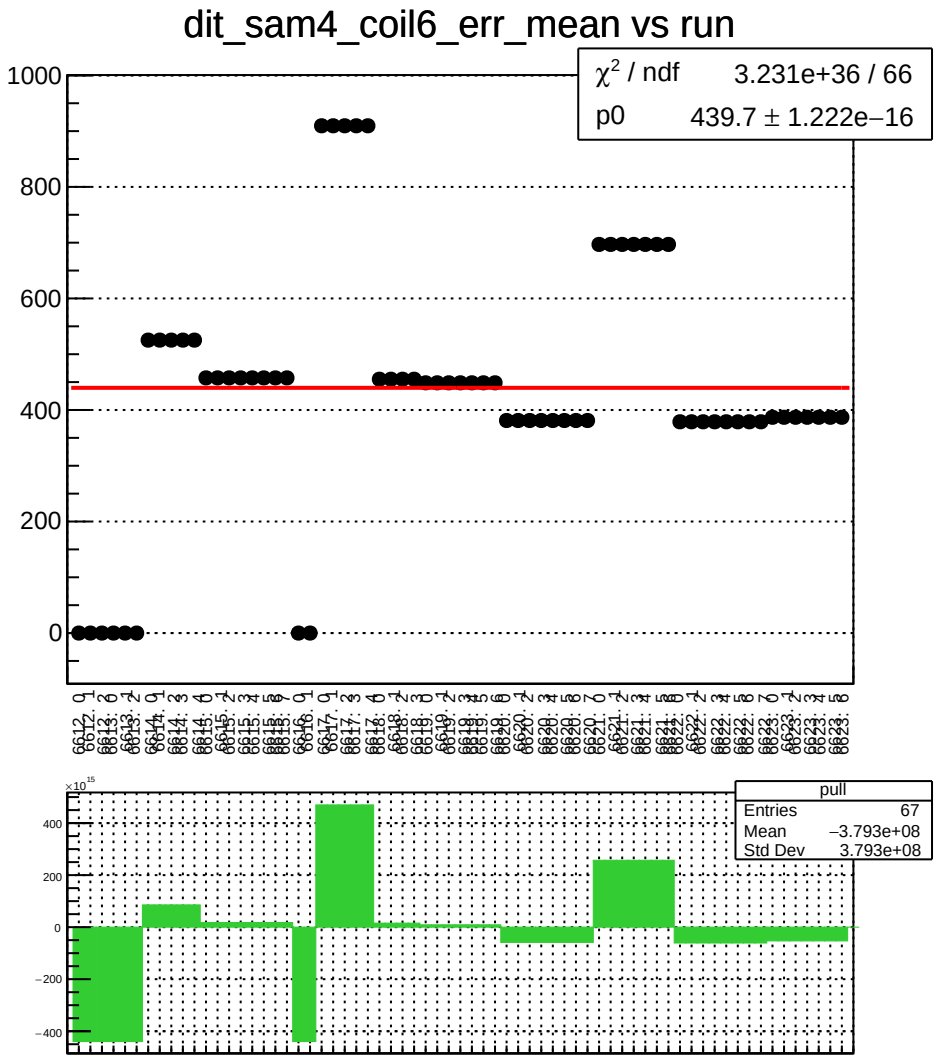

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

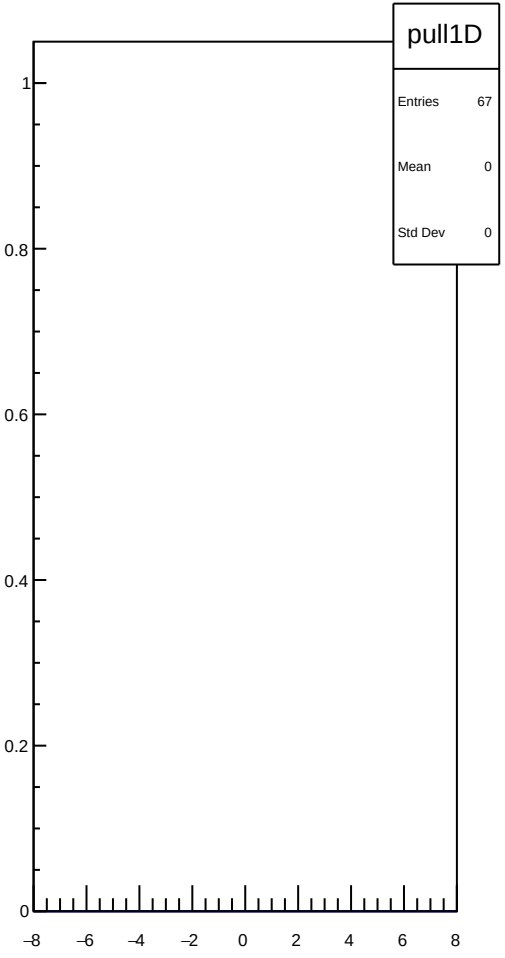

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.119e+36 / 66
p0 259.2 ± 1.222e−16
pull
Entries 67
Mean −4.84e+08
Std Dev 4.84e+08


pull1D
Entries 67
Mean 0
Std Dev 0

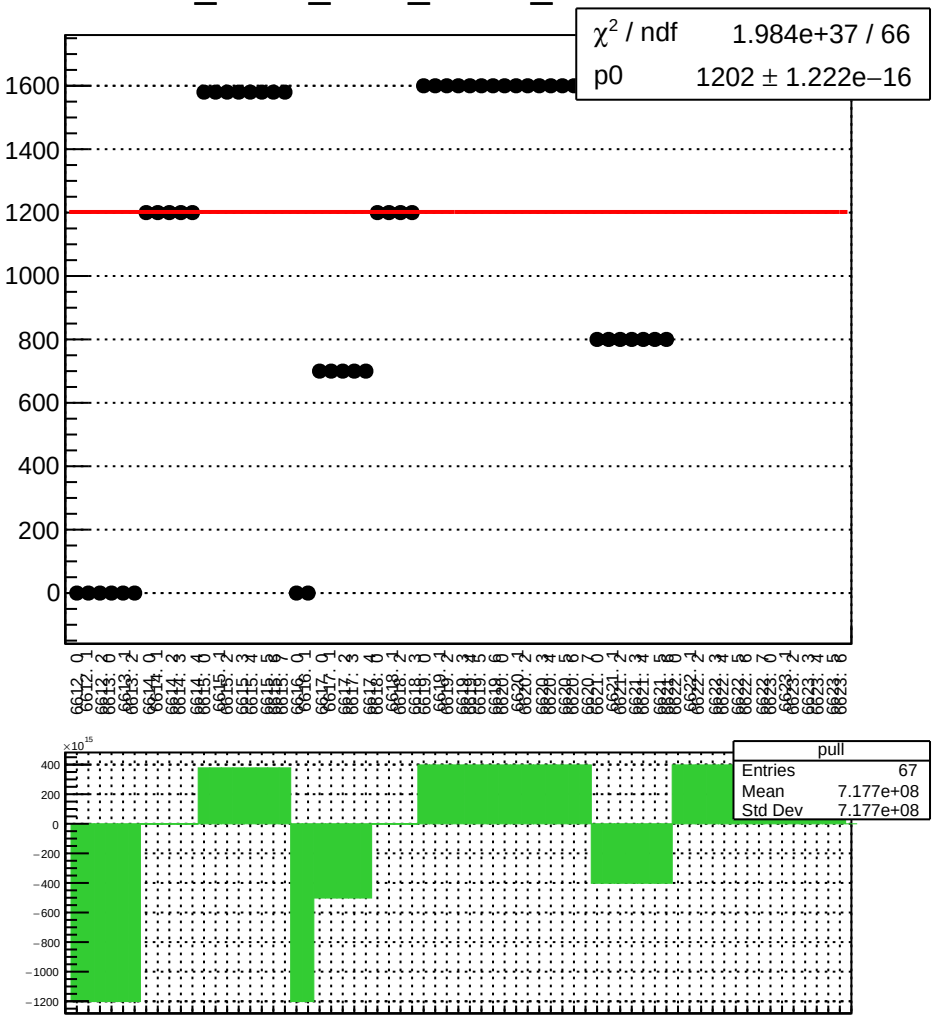

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

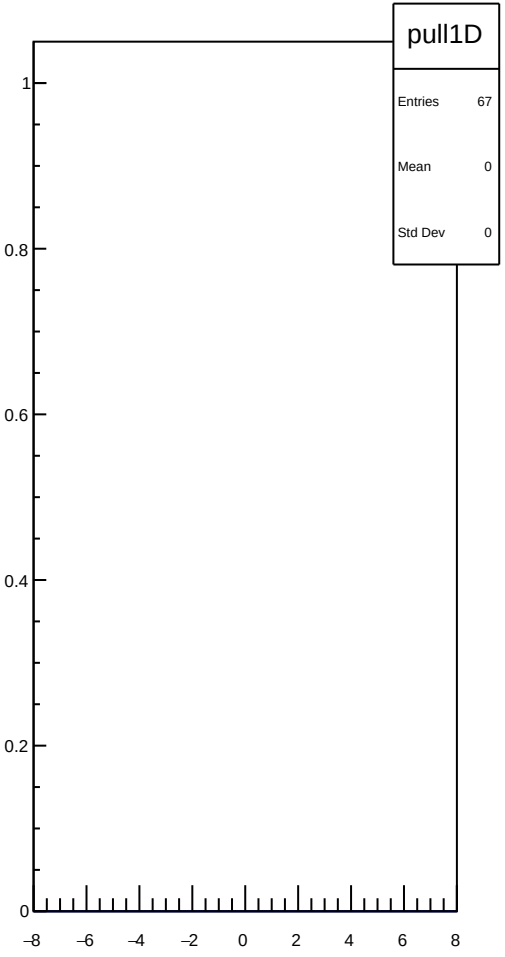

dit_sam4_coil6_mean vs run
χ² / ndf inf / 66
p0 –6507 ± 1.222e–16
pull
Entries 67
Mean 1.995e+10
Std Dev 1.995e+10
pull1D
Entries 67
Mean 0
Std Dev 0

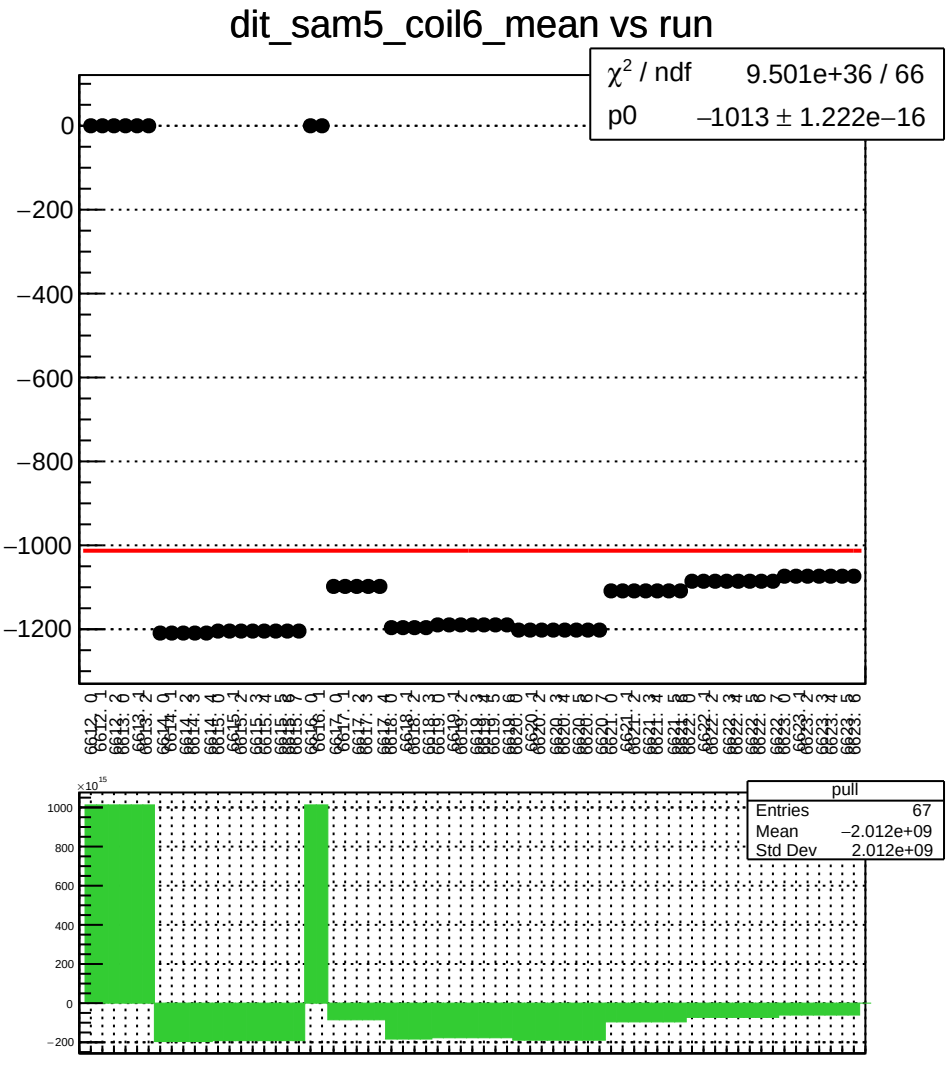

dit_sam4_coil6_err_mean vs run
χ² / ndf 3.231e+36 / 66
p0 439.7 ± 1.222e−16
1000
800
600
400
200
0
pull
Entries 67
Mean −3.793e+08
Std Dev 3.793e+08
×10¹⁵
400
200
0
−200
−400

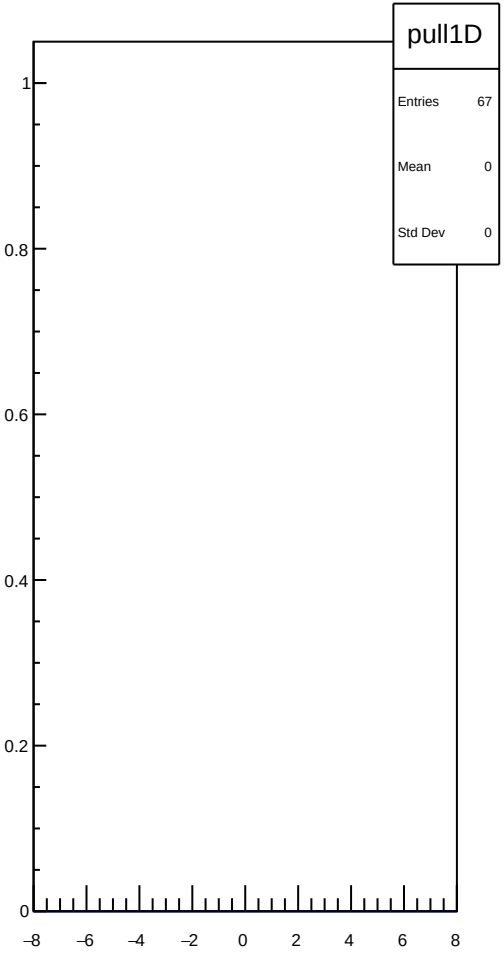

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

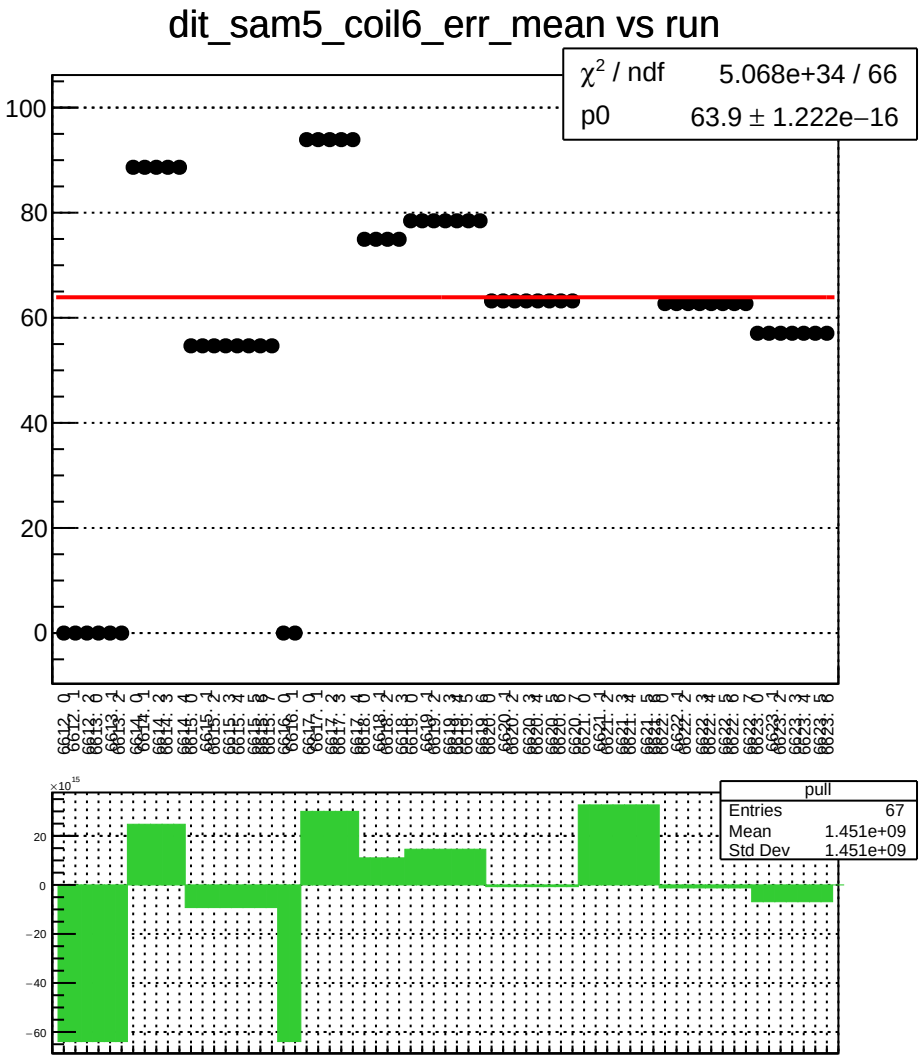
dit_sam4_coil6_Ndata_mean vs run

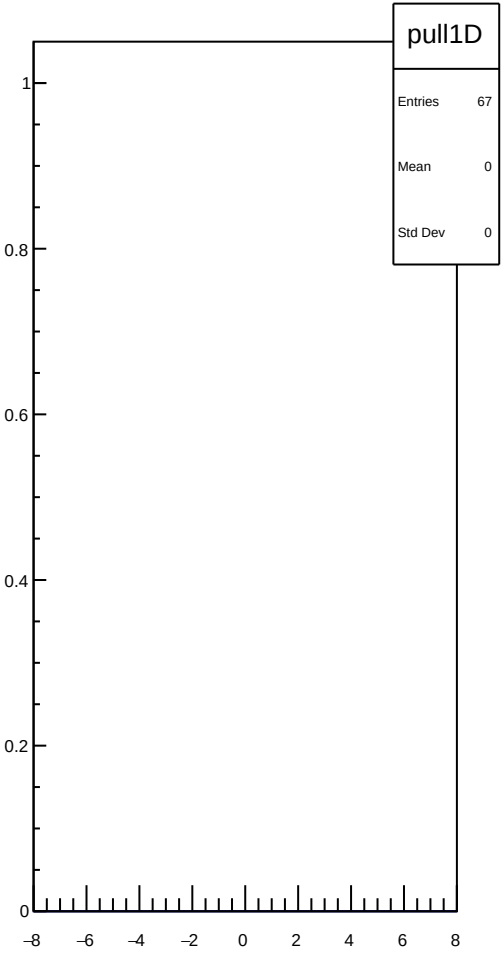


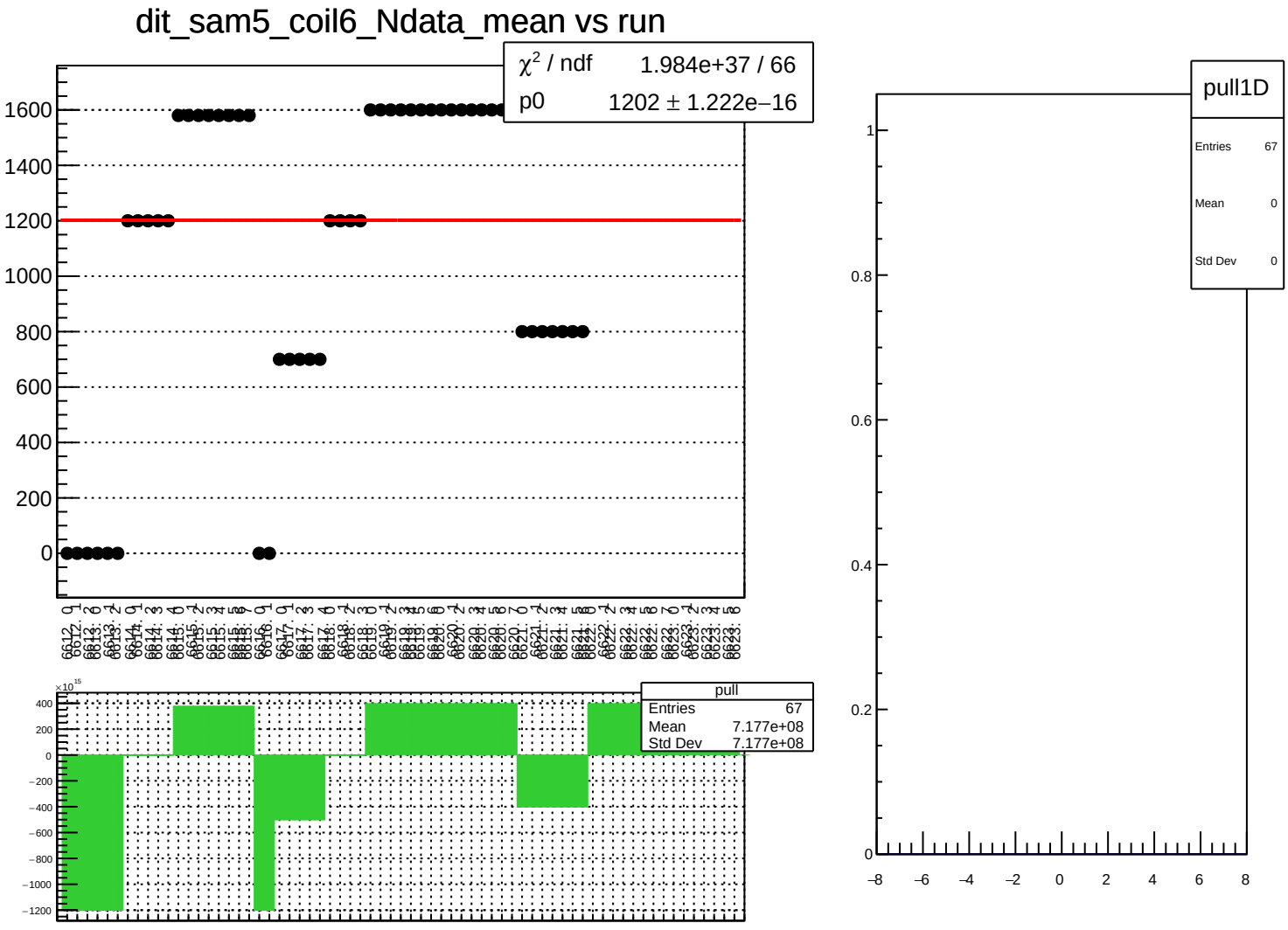


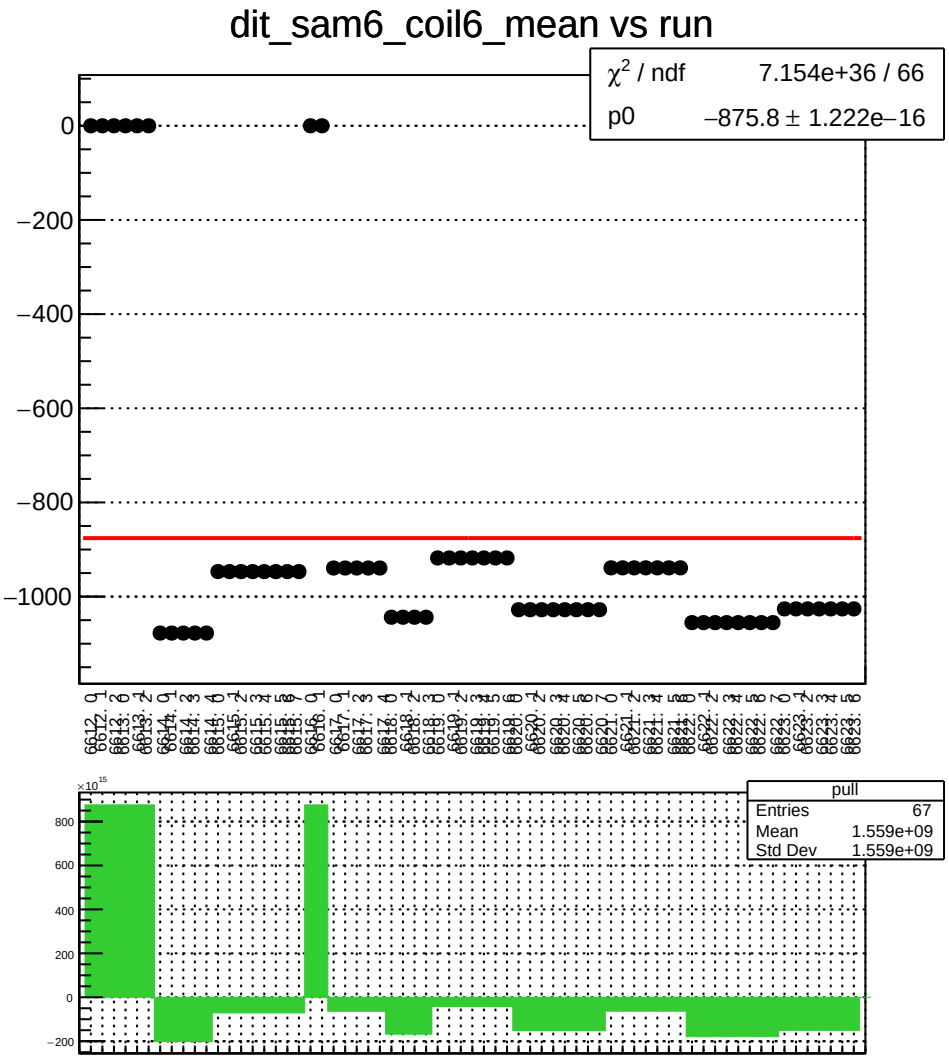

dit_sam5_coil6_mean vs run
χ² / ndf 9.501e+36 / 66
p0 −1013 ± 1.222e−16
pull
Entries 67
Mean −2.012e+09
Std Dev 2.012e+09

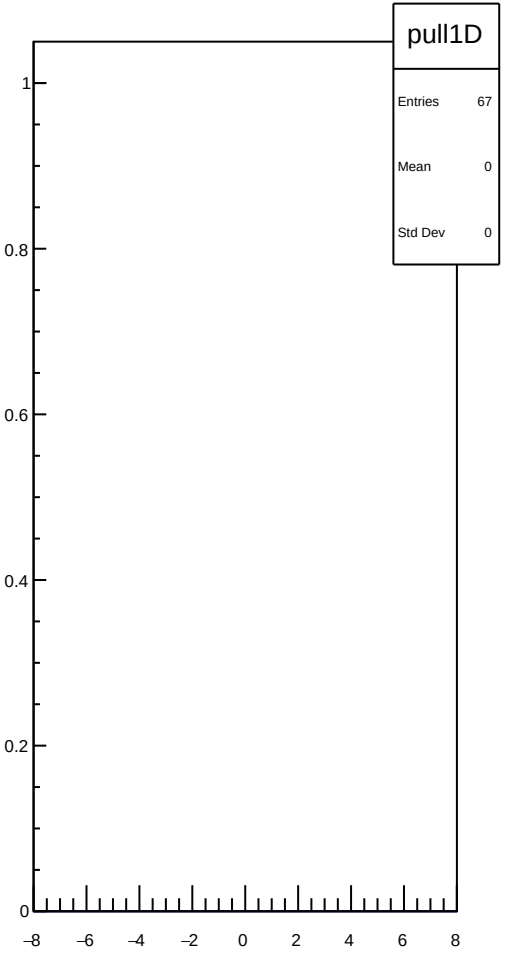

pull1D
Entries 67
Mean 0
Std Dev 0

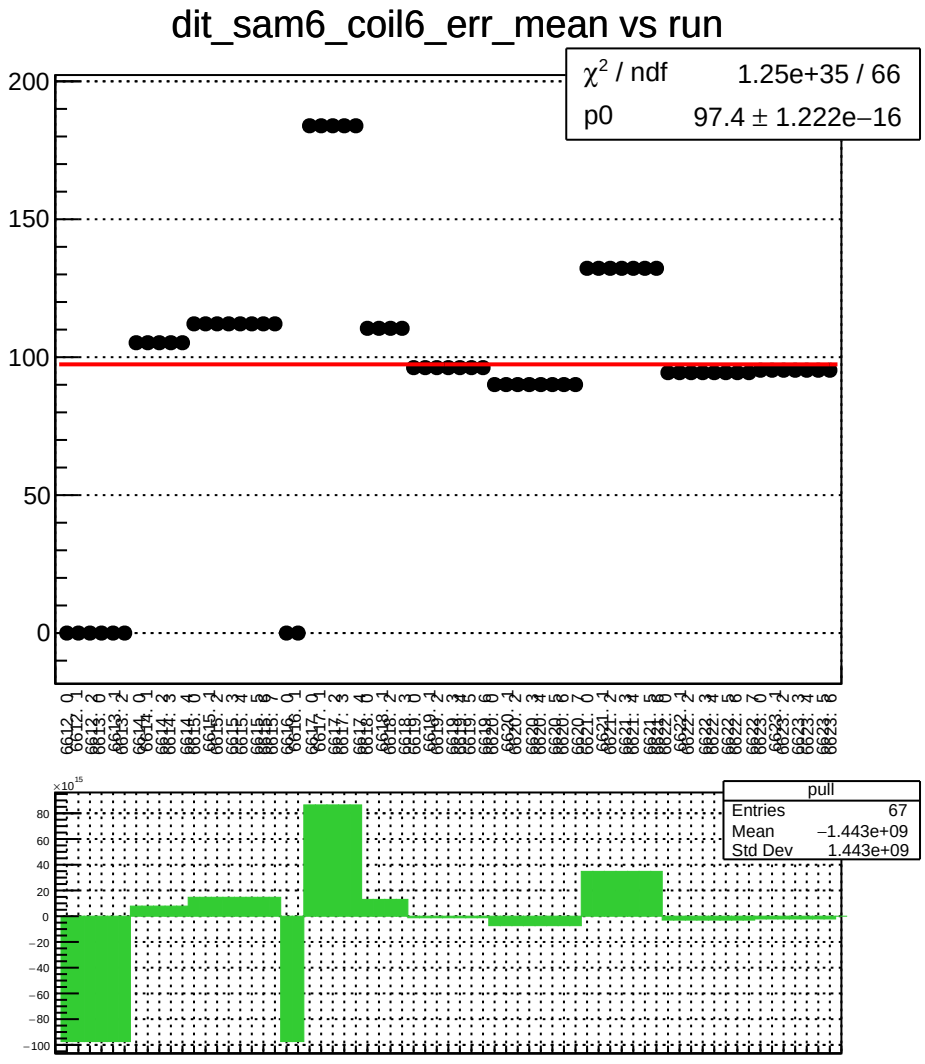

dit_sam5_coil6_err_mean vs run
χ² / ndf 5.068e+34 / 66
p0 63.9 ± 1.222e−16
pull
Entries 67
Mean 1.451e+09
Std Dev 1.451e+09

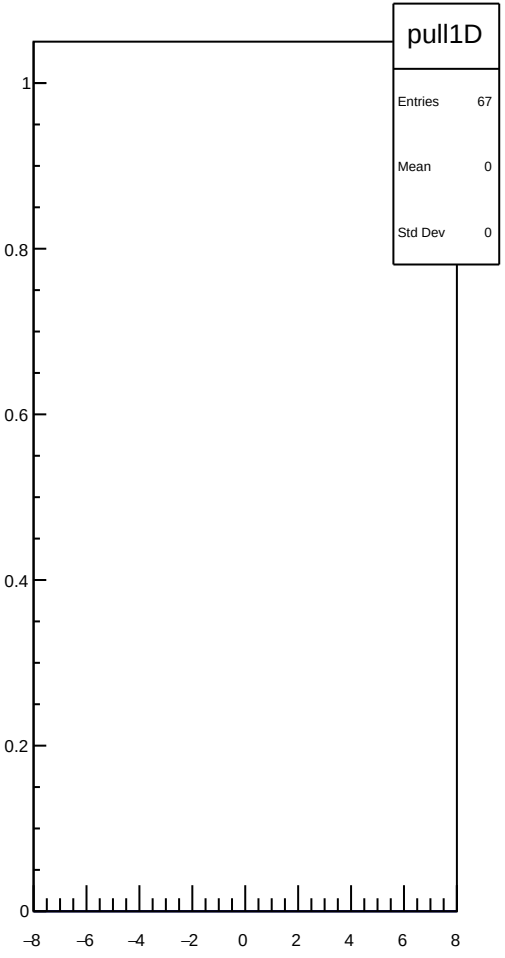

pull1D
Entries 67
Mean 0
Std Dev 0

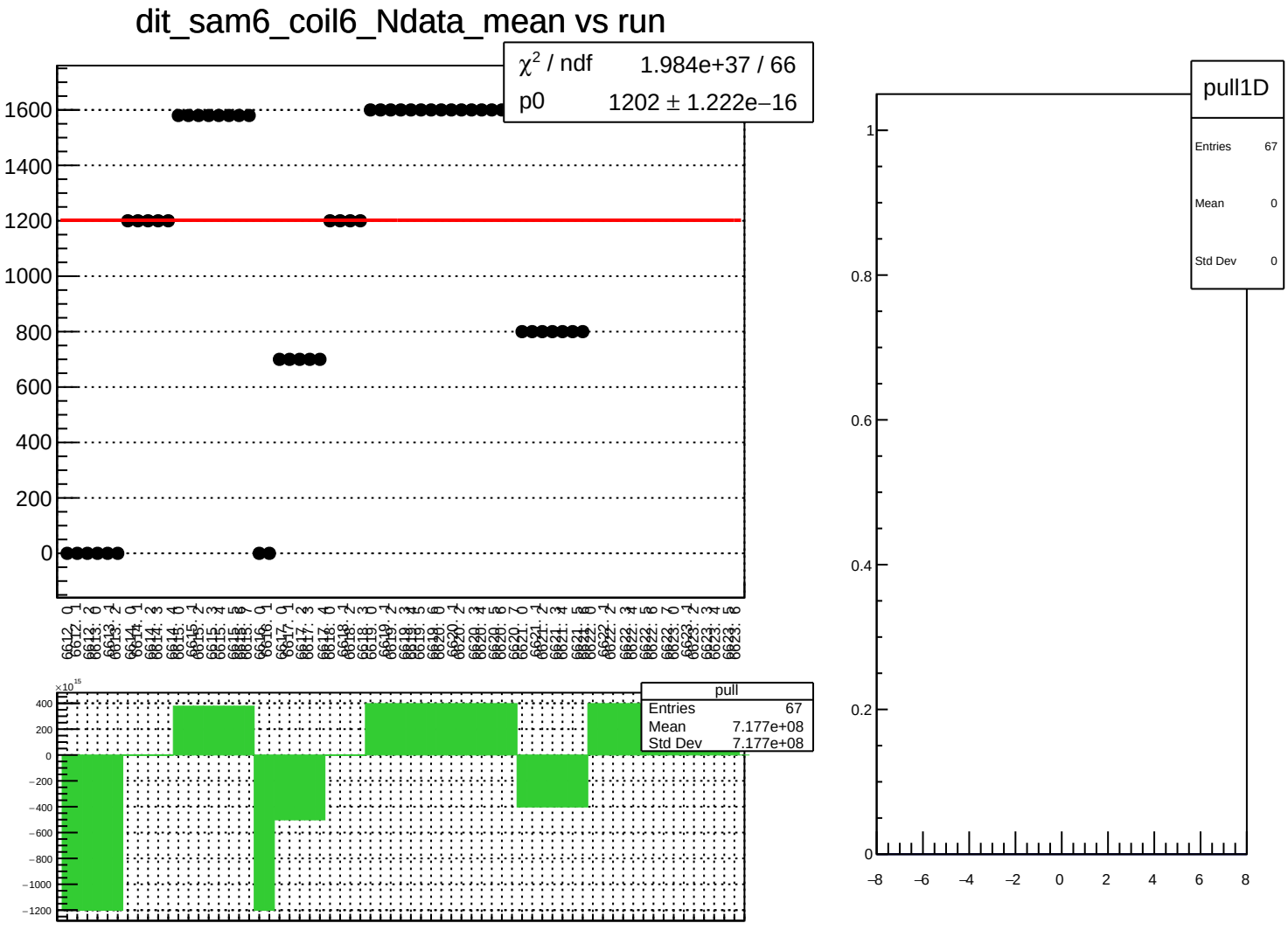

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

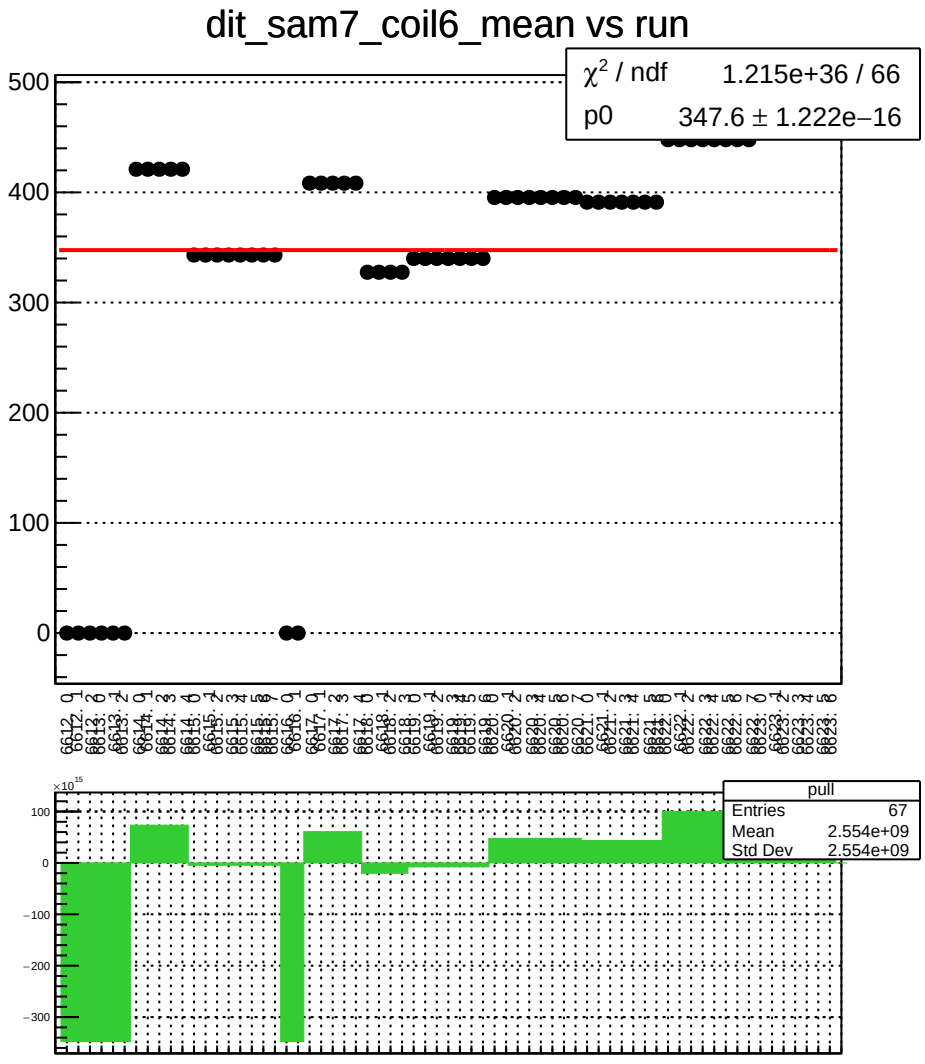

dit_sam6_coil6_mean vs run
χ² / ndf 7.154e+36 / 66
p0 −875.8 ± 1.222e−16
0
−200
−400
−600
−800
−1000
pull
Entries 67
Mean 1.559e+09
Std Dev 1.559e+09
×10¹⁵
800
600
400
200
0
−200

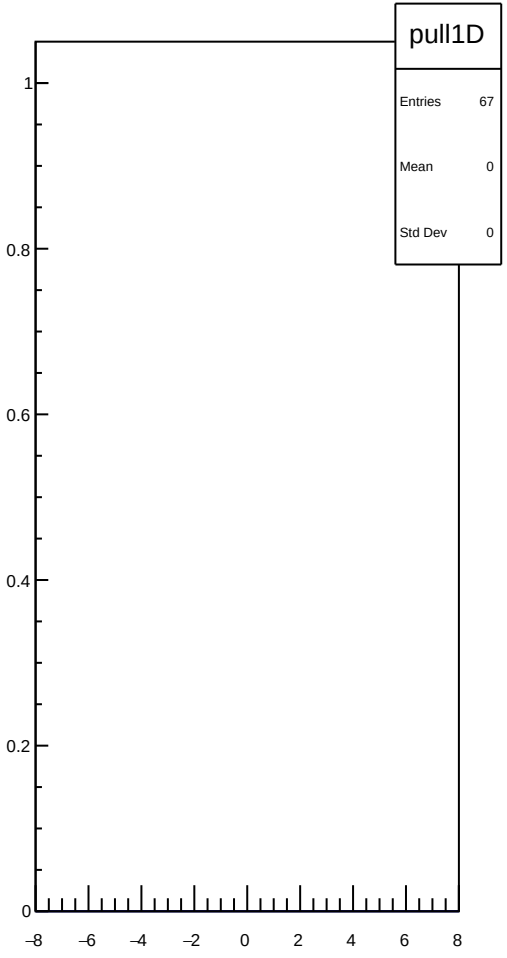

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

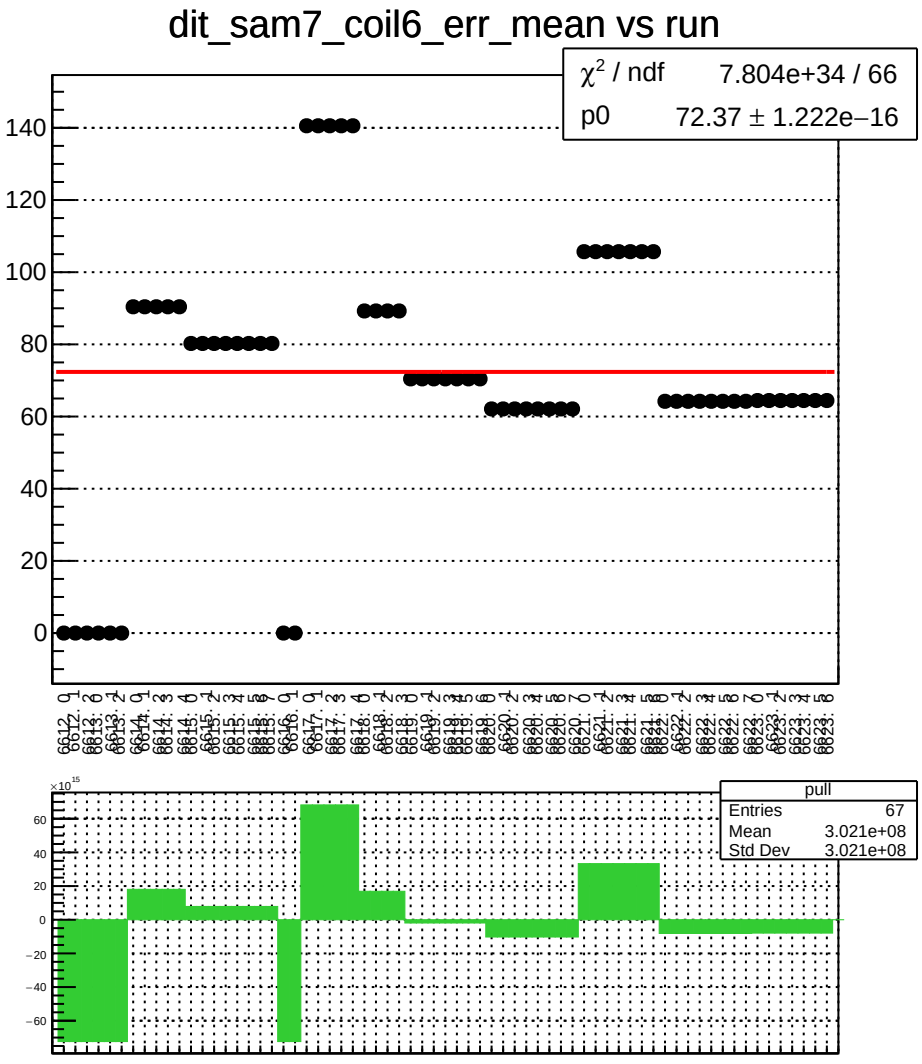

dit_sam6_coil6_err_mean vs run
χ² / ndf 1.25e+35 / 66
p0 97.4 ± 1.222e−16
pull
Entries 67
Mean −1.443e+09
Std Dev 1.443e+09

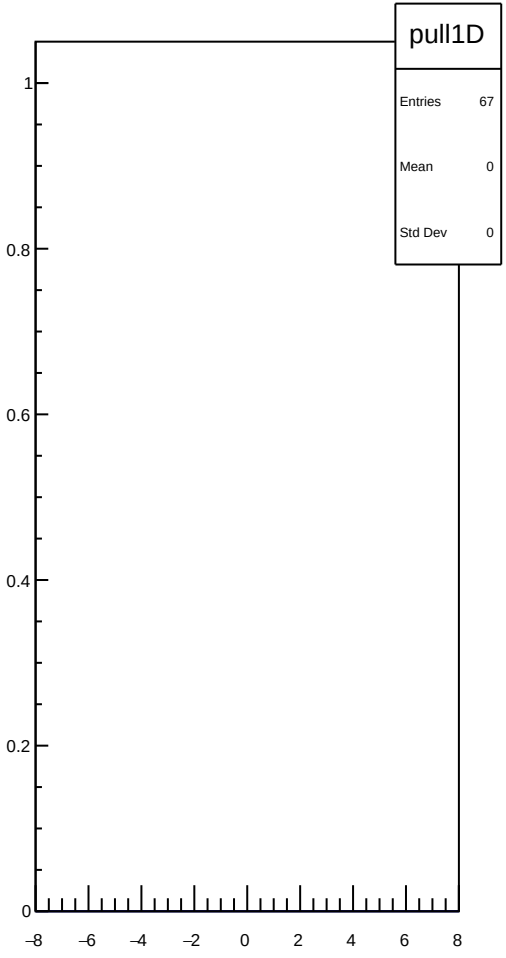

pull1D
Entries 67
Mean 0
Std Dev 0

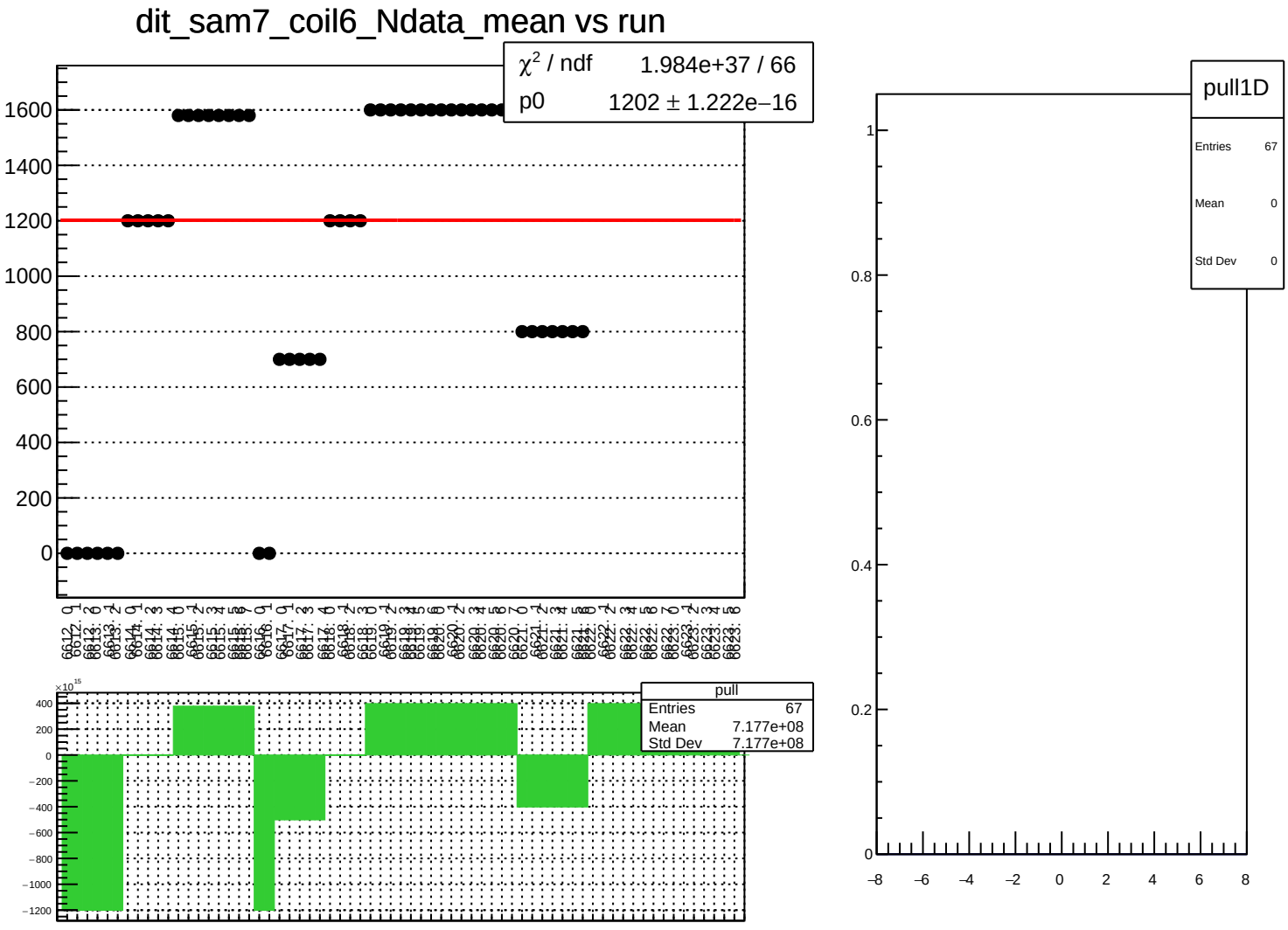

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

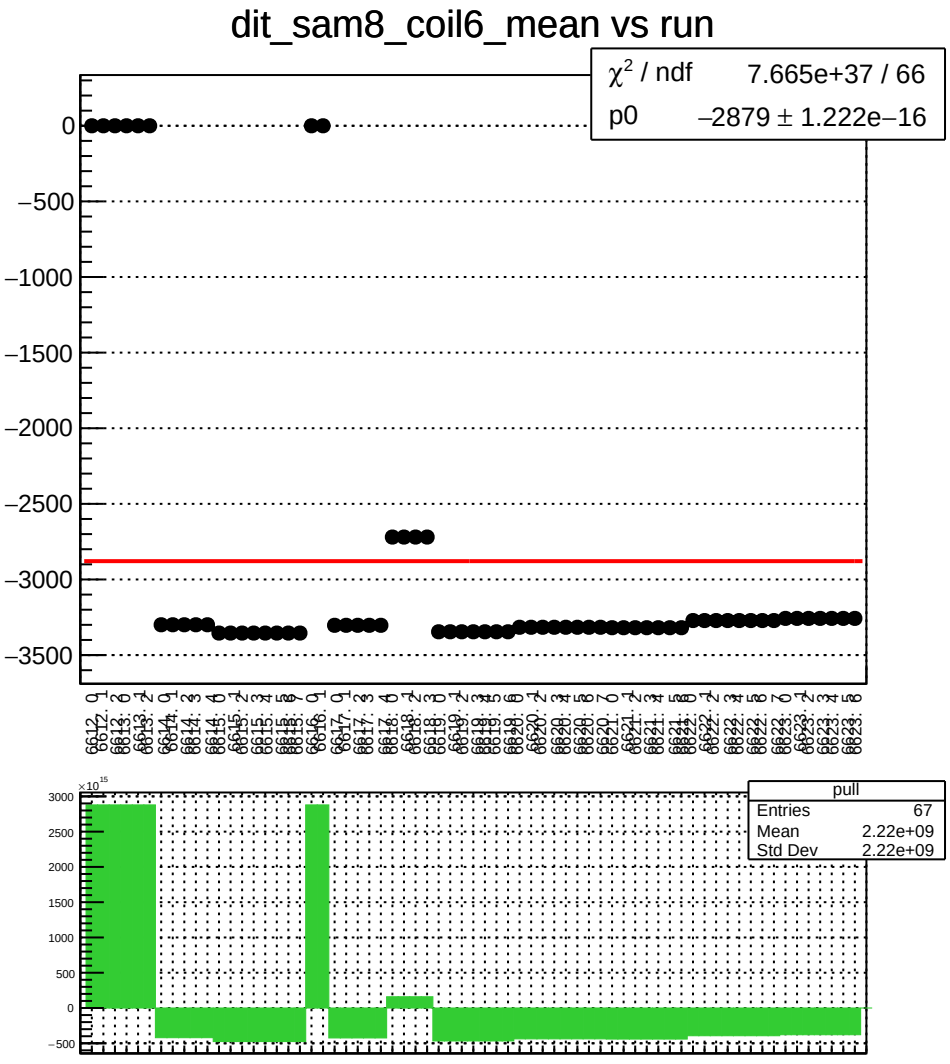

dit_sam7_coil6_mean vs run
χ^2 / ndf 1.215e+36 / 66
p0 347.6 ± 1.222e−16
500
400
300
200
100
0
pull
Entries 67
Mean 2.554e+09
Std Dev 2.554e+09
$\times 10^{15}$
100
0
−100
−200
−300

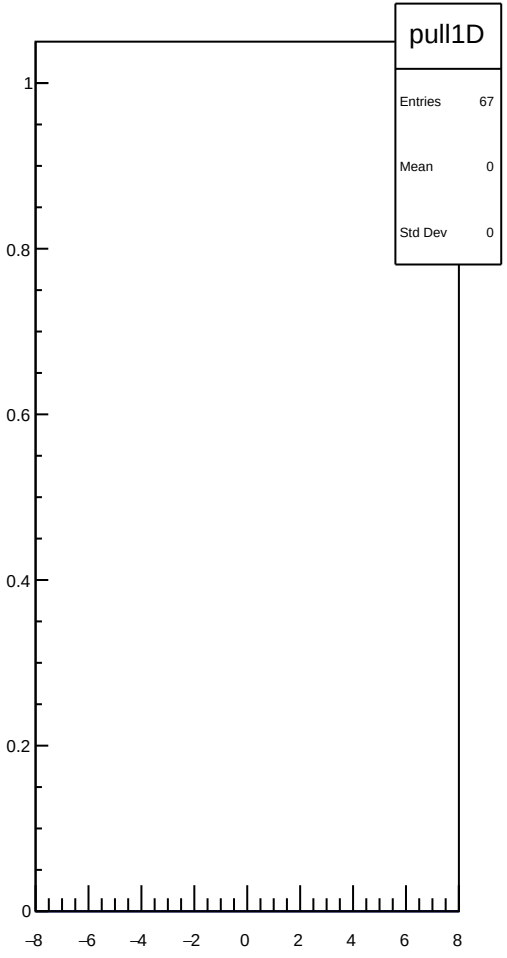

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

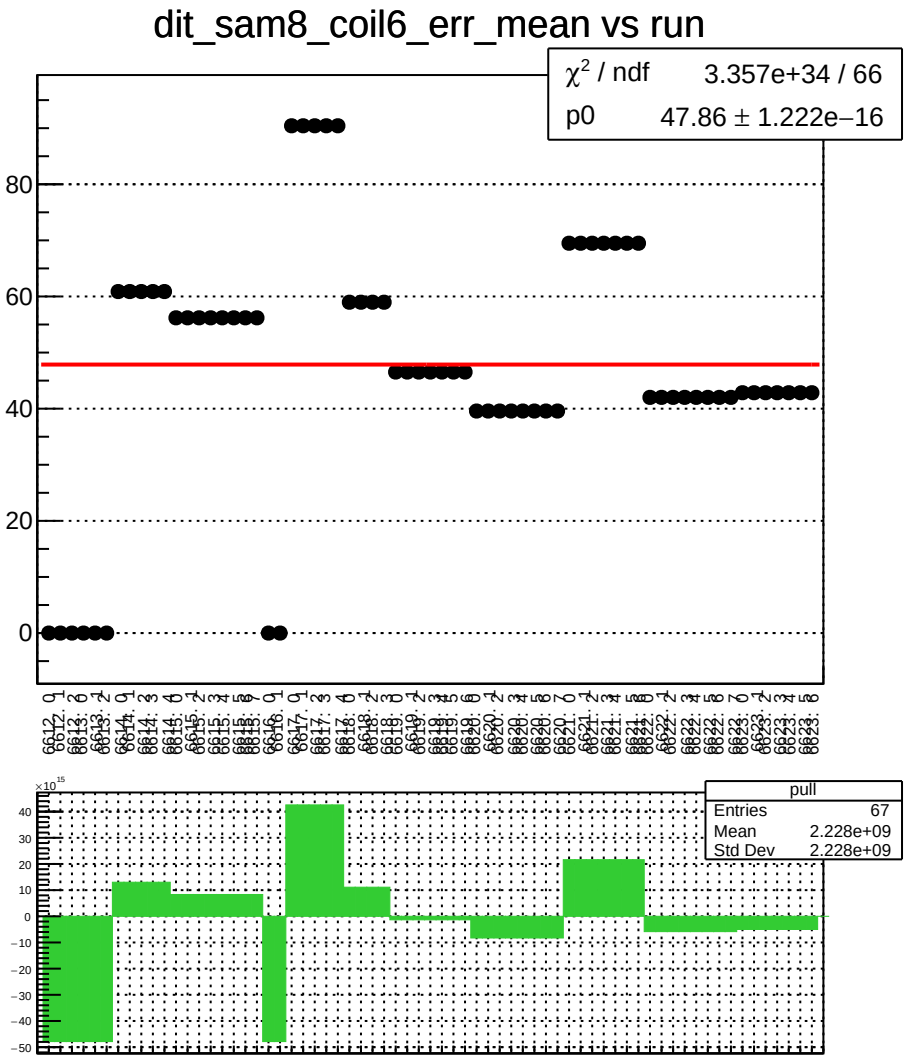

dit_sam7_coil6_err_mean vs run
χ² / ndf 7.804e+34 / 66
p0 72.37 ± 1.222e−16
pull
Entries 67
Mean 3.021e+08
Std Dev 3.021e+08

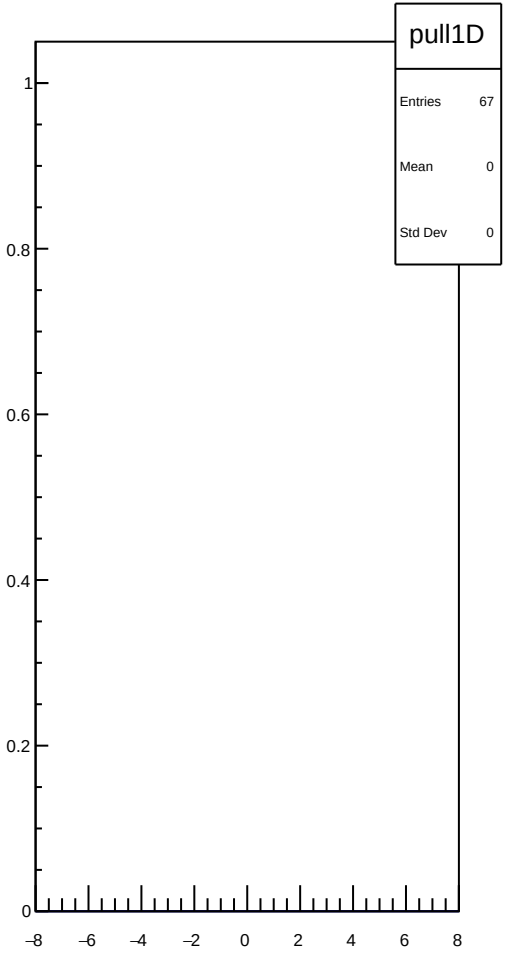

pull1D
Entries 67
Mean 0
Std Dev 0

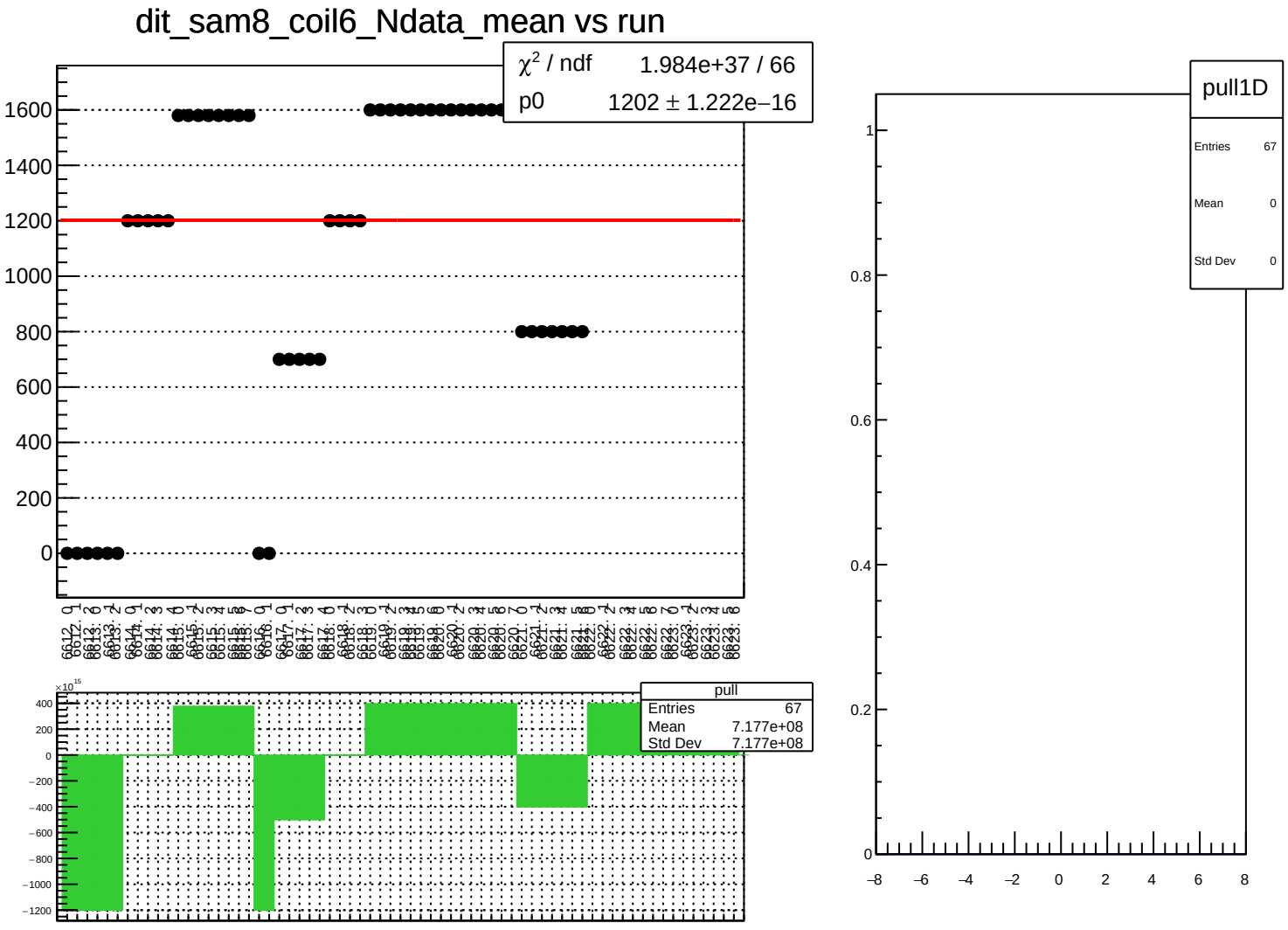

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

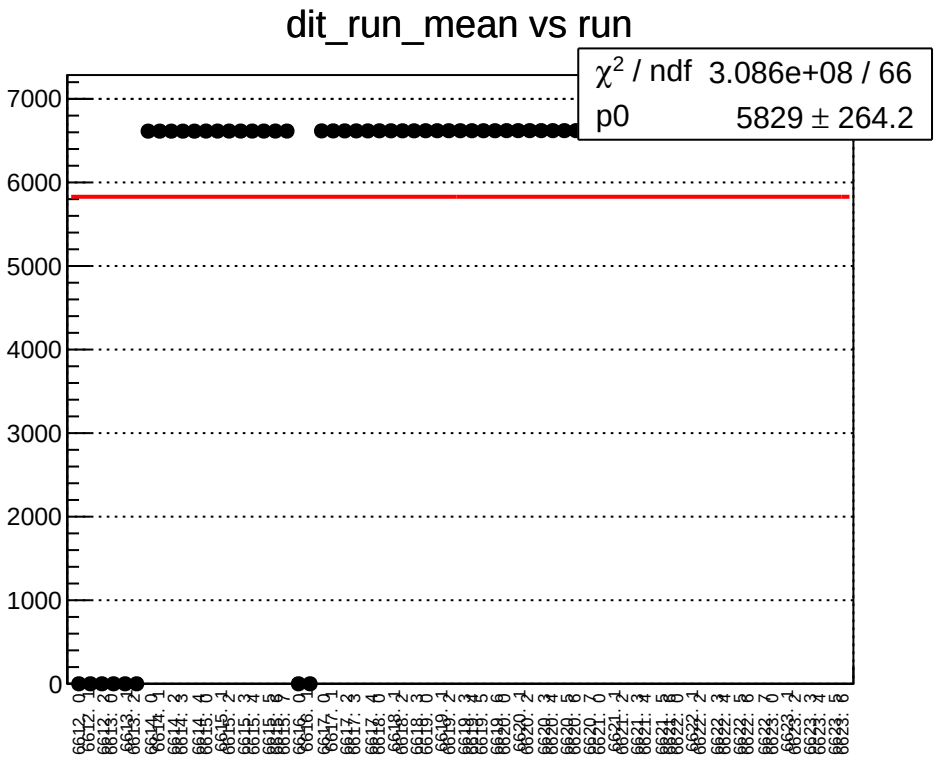

dit_sam8_coil6_mean vs run
χ² / ndf 7.665e+37 / 66
p0 −2879 ± 1.222e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 67
Mean 2.22e+09
Std Dev 2.22e+09
×10¹⁵
3000
2500
2000
1500
1000
500
0
−500

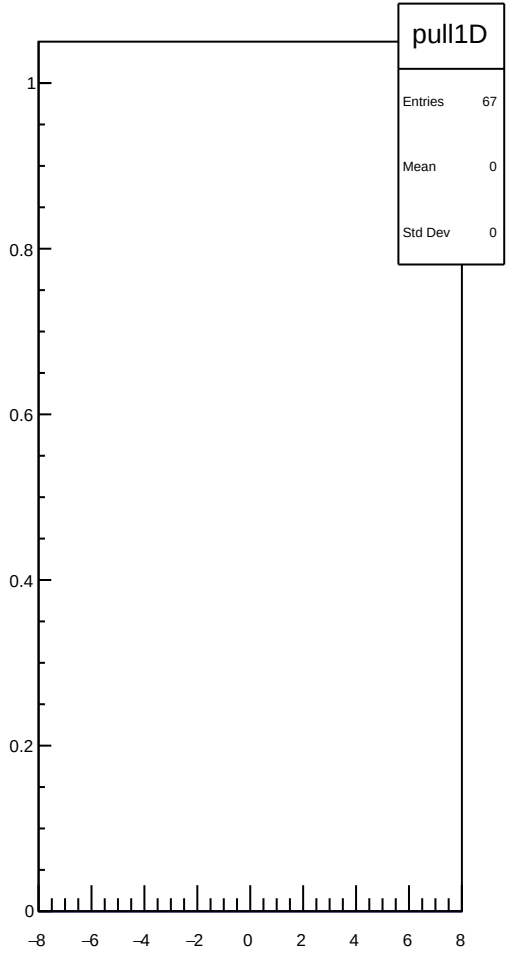

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

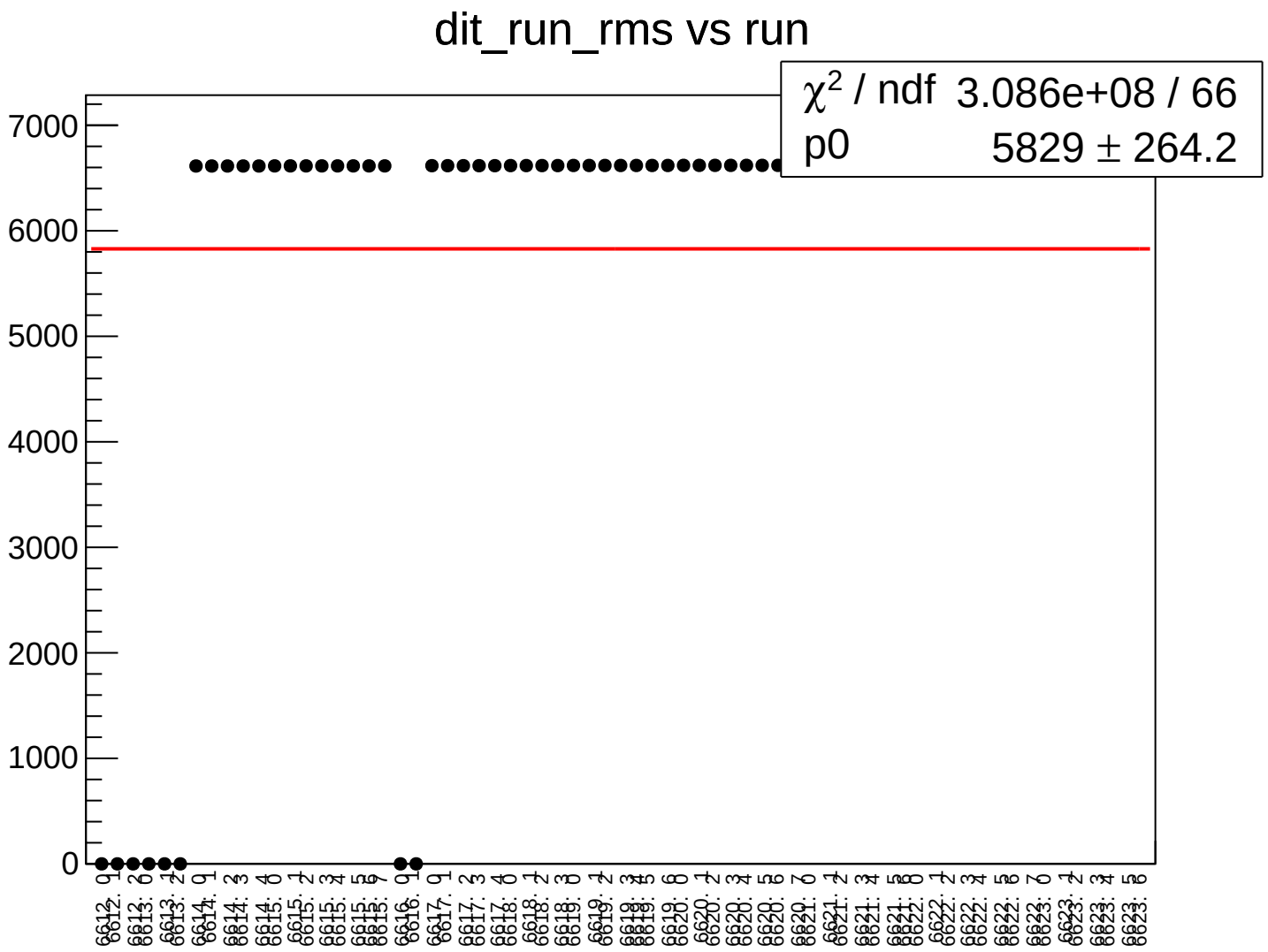

dit_sam8_coil6_err_mean vs run
χ² / ndf 3.357e+34 / 66
p0 47.86 ± 1.222e−16
pull
Entries 67
Mean 2.228e+09
Std Dev 2.228e+09

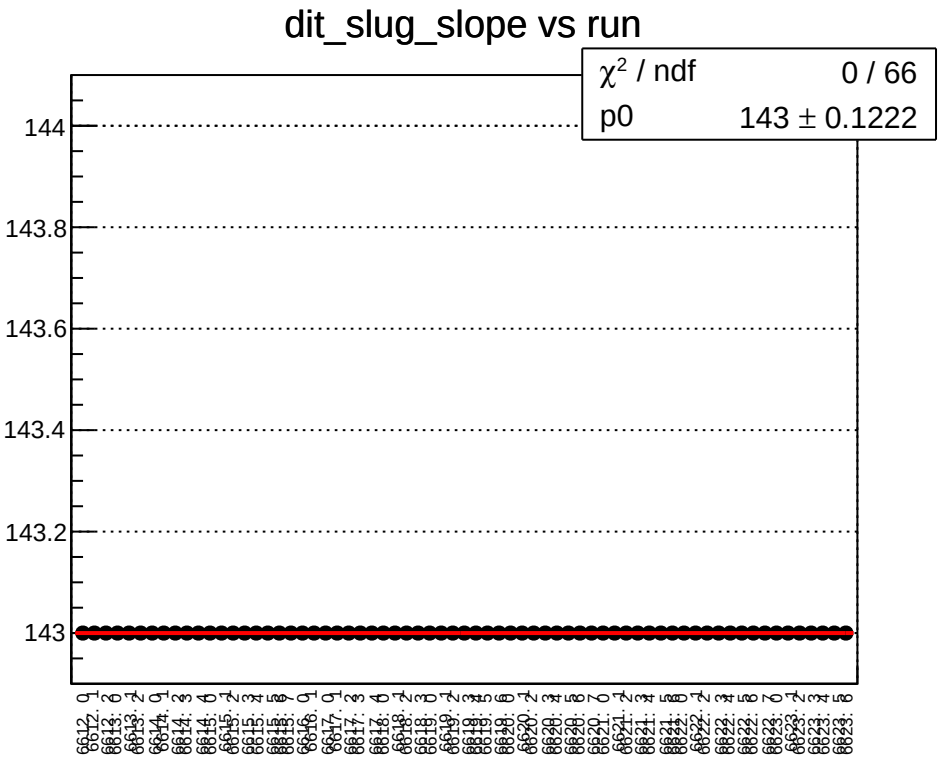

pull1D
Entries 67
Mean 0
Std Dev 0

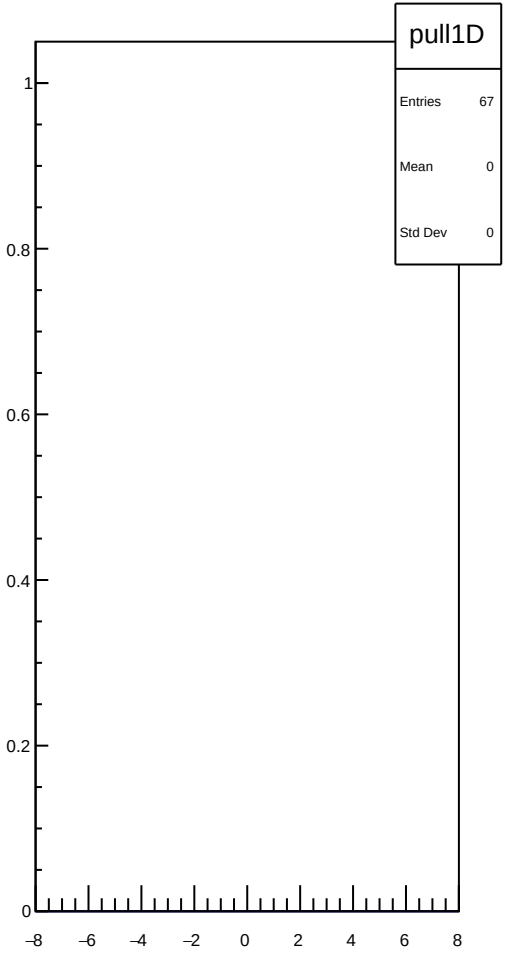

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.984e+37 / 66
p0 1202 ± 1.222e−16
pull
Entries 67
Mean 7.177e+08
Std Dev 7.177e+08
pull1D
Entries 67
Mean 0
Std Dev 0

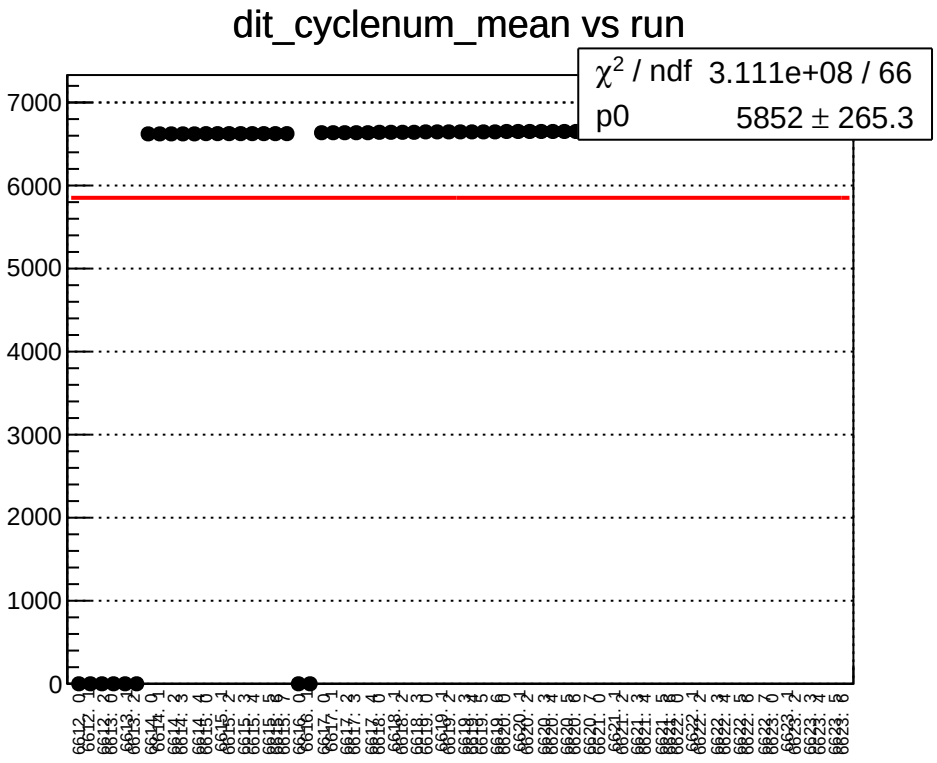

dit_run_mean vs run
χ^2 / ndf 3.086e+08 / 66
p0 5829 ± 264.2
7000
6000
5000
4000
3000
2000
1000
0

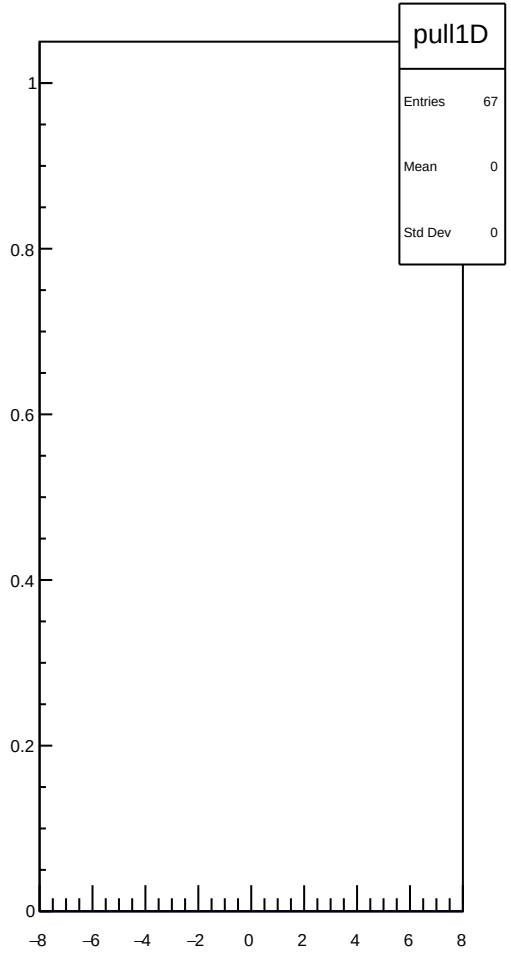

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


dit_run_rms vs run
χ² / ndf 3.086e+08 / 66
p0 5829 ± 264.2
7000
6000
5000
4000
3000
2000
1000
0


dit_slug_slope vs run
χ^2 / ndf 0 / 66
p0 143 ± 0.1222
144
143.8
143.6
143.4
143.2
143


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


dit_cyclenum_mean vs run
χ^2 / ndf 3.111e+08 / 66
p0 5852 ± 265.3
7000
6000
5000
4000
3000
2000
1000
0


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
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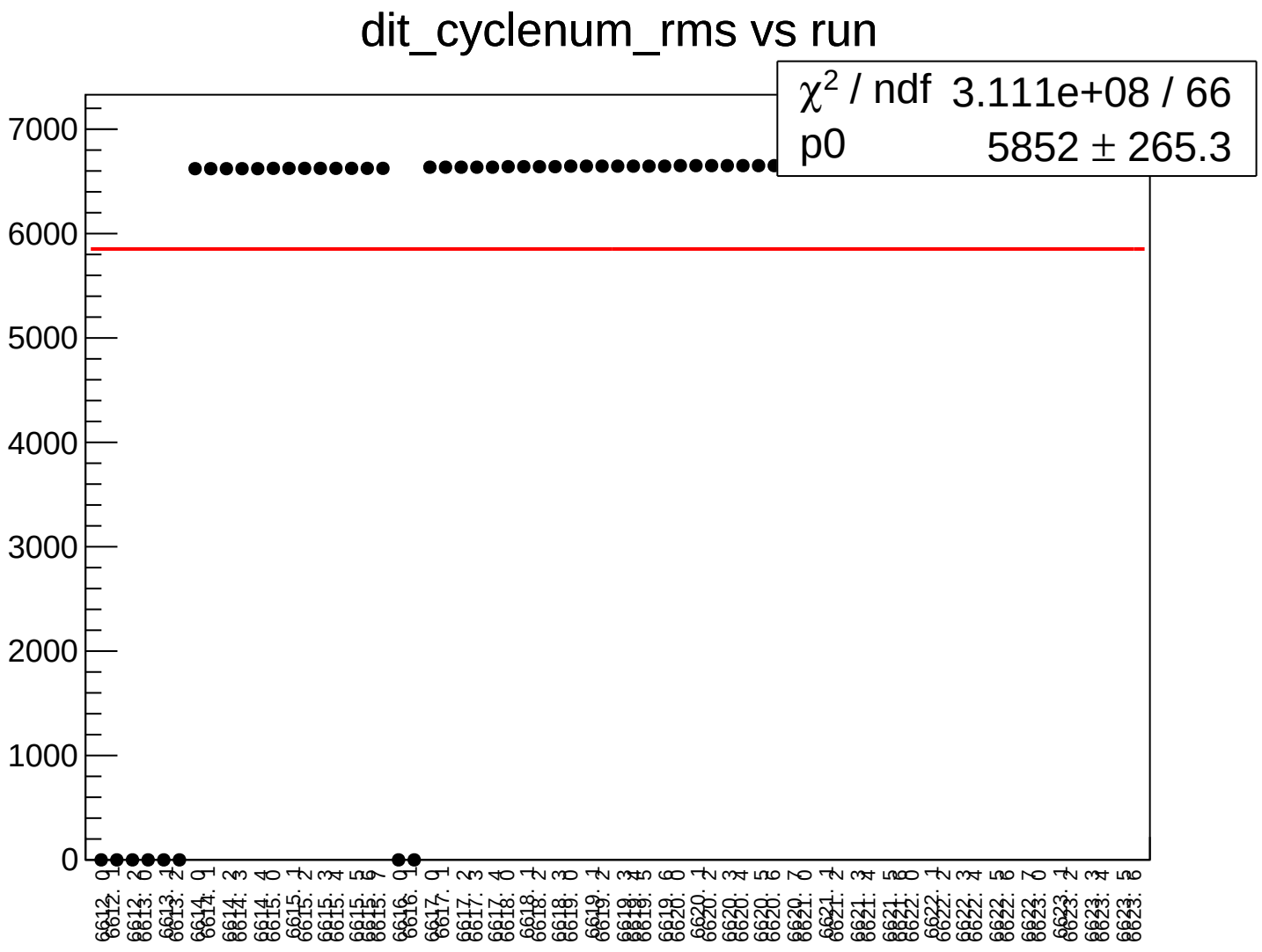
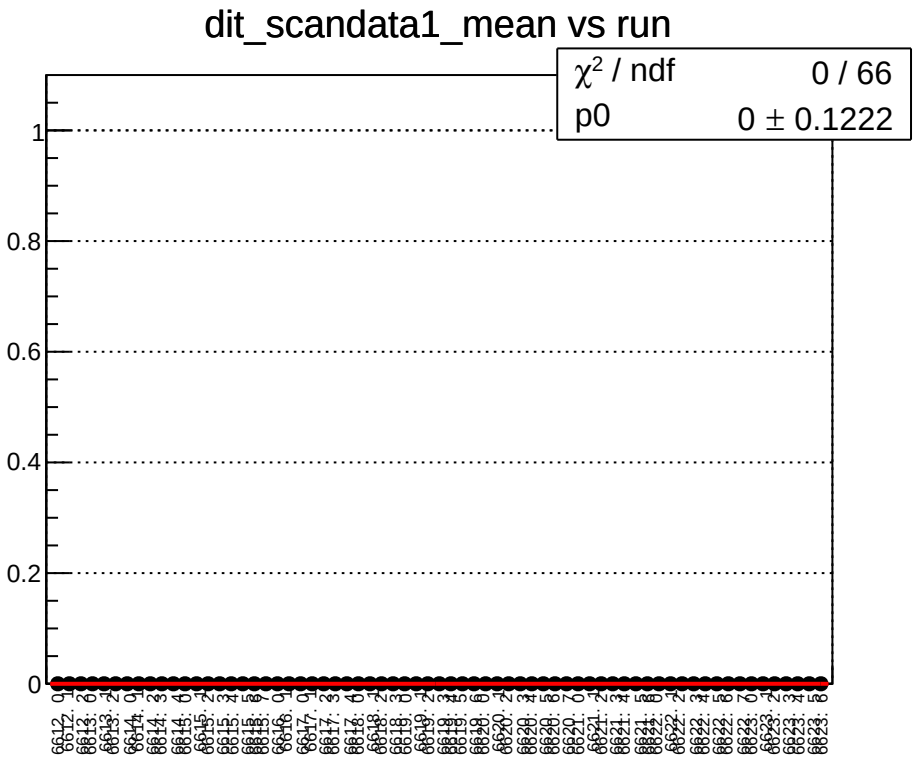
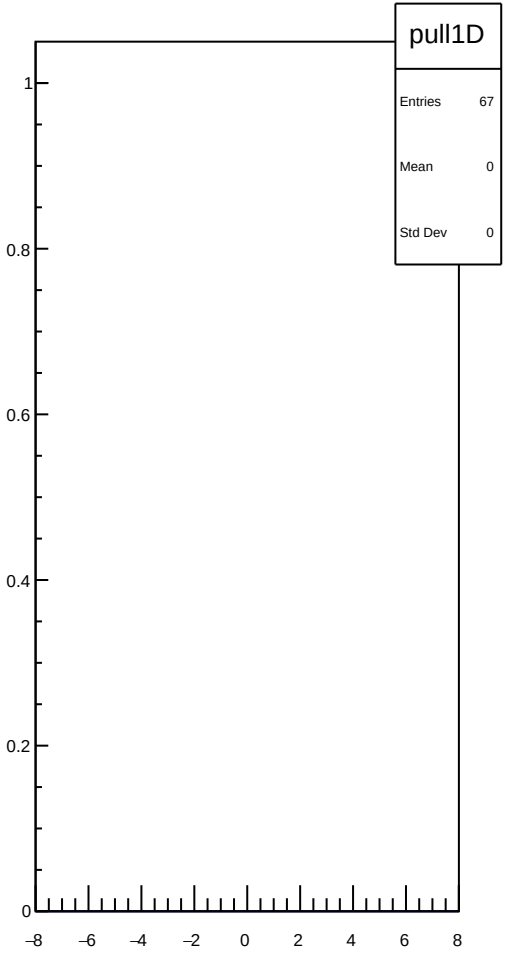
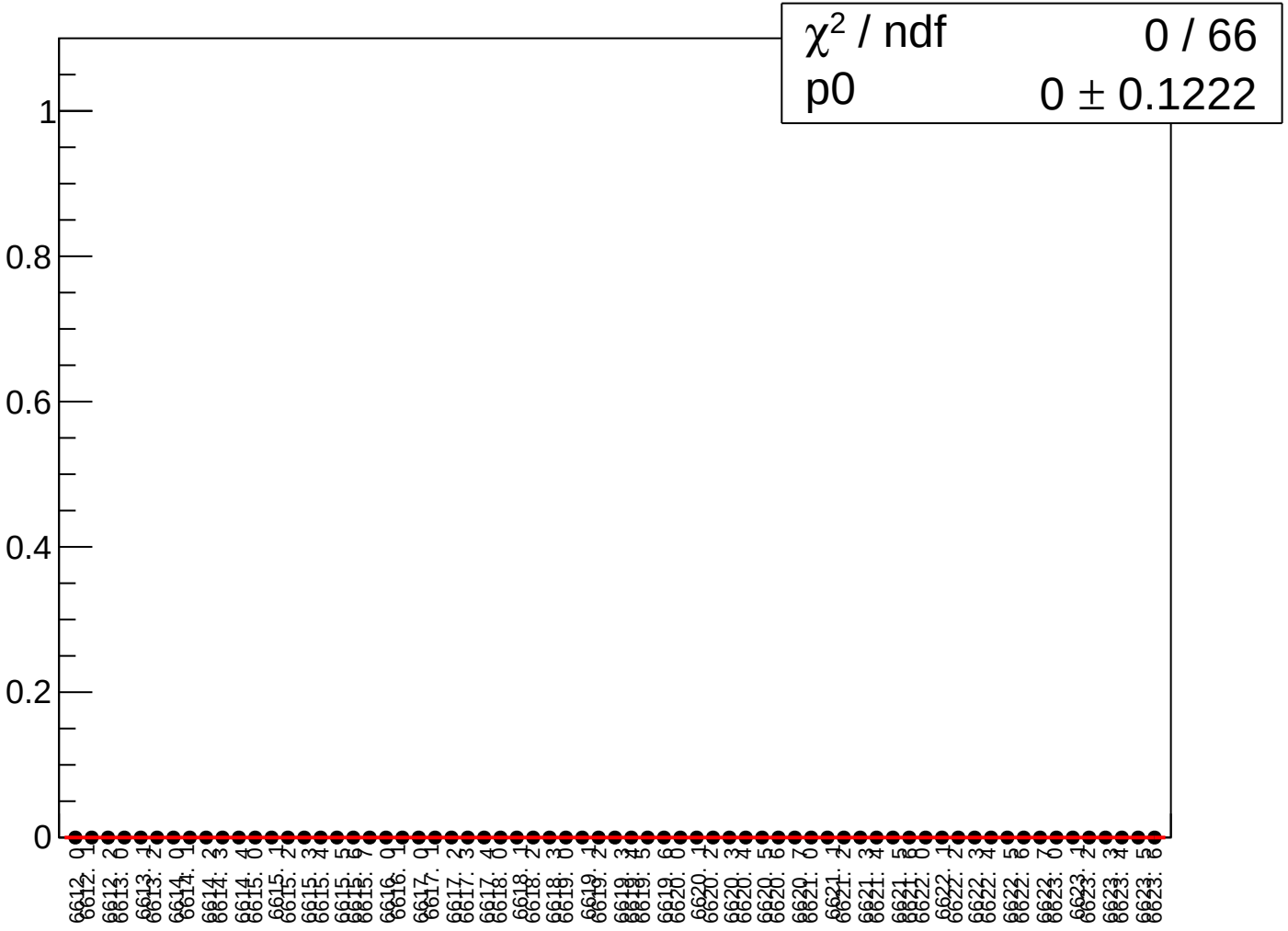
2
4
6
8

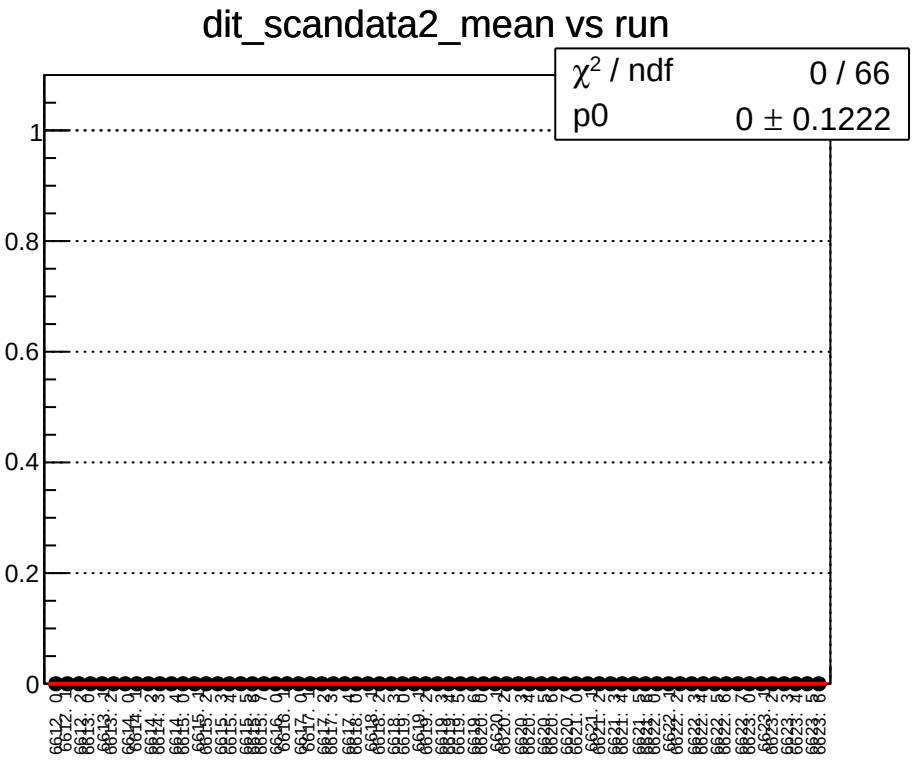

dit_cyclenum_rms vs run
χ² / ndf 3.111e+08 / 66
p0 5852 ± 265.3
7000
6000
5000
4000
3000
2000
1000
0

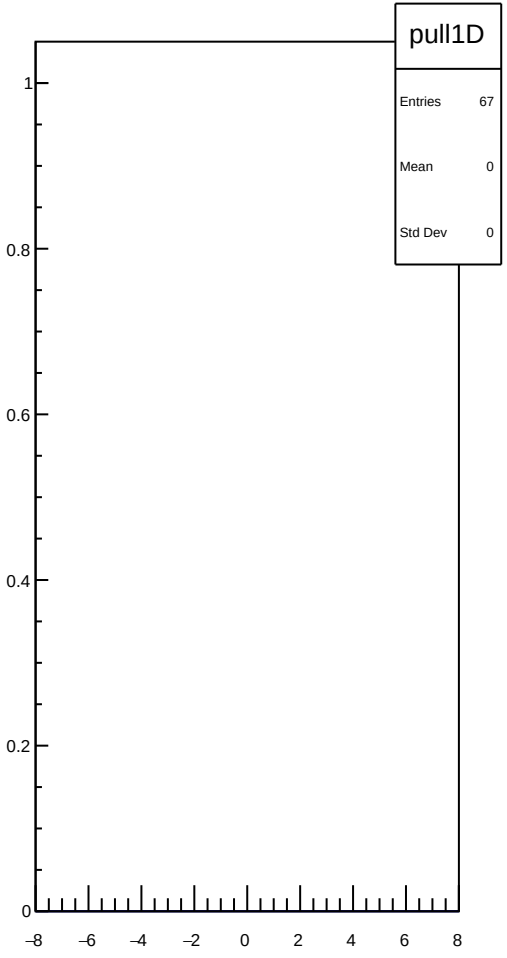

dit_scandata1_mean vs run
χ^2 / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

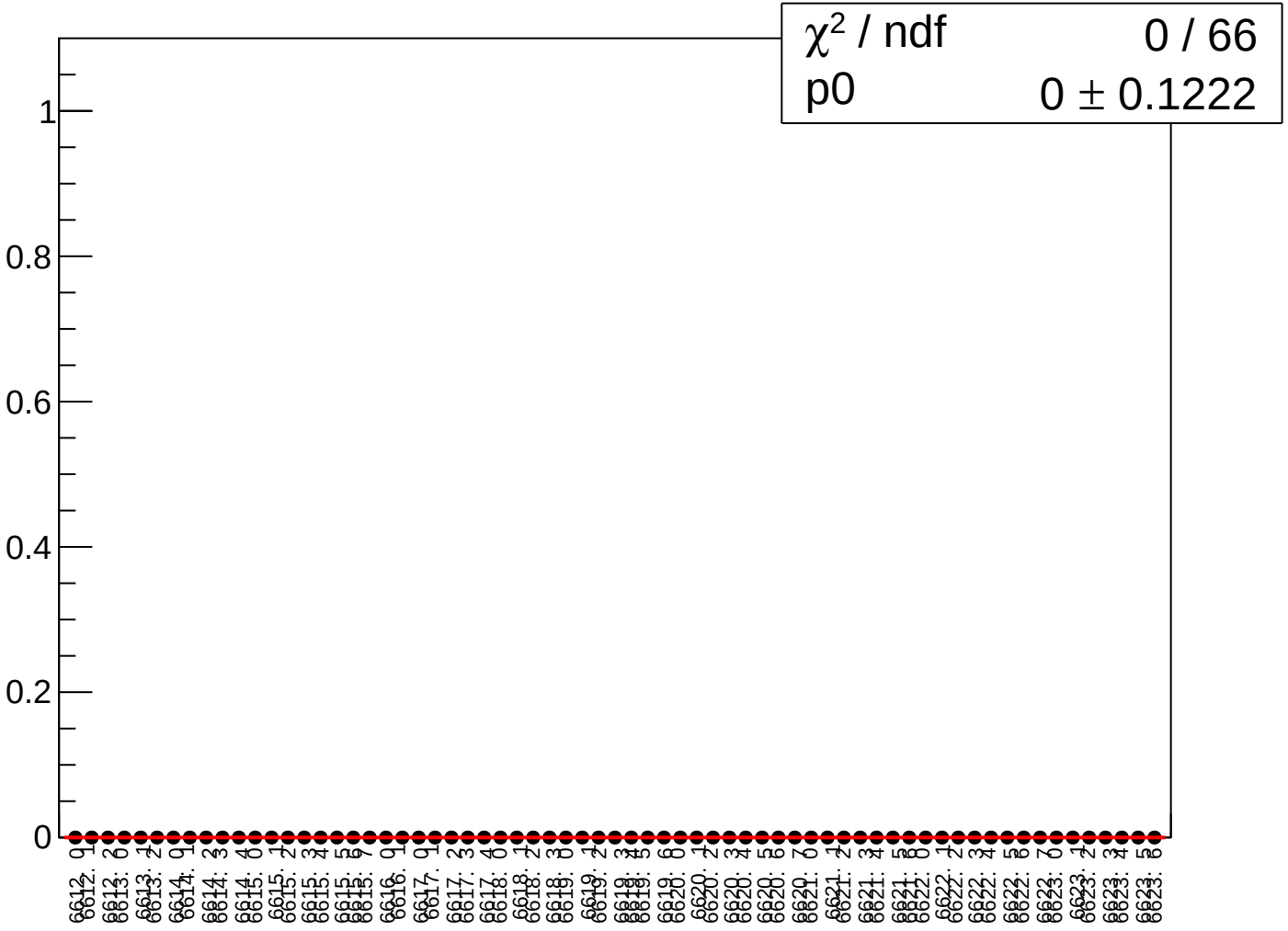
dit_scandata1_rms vs run

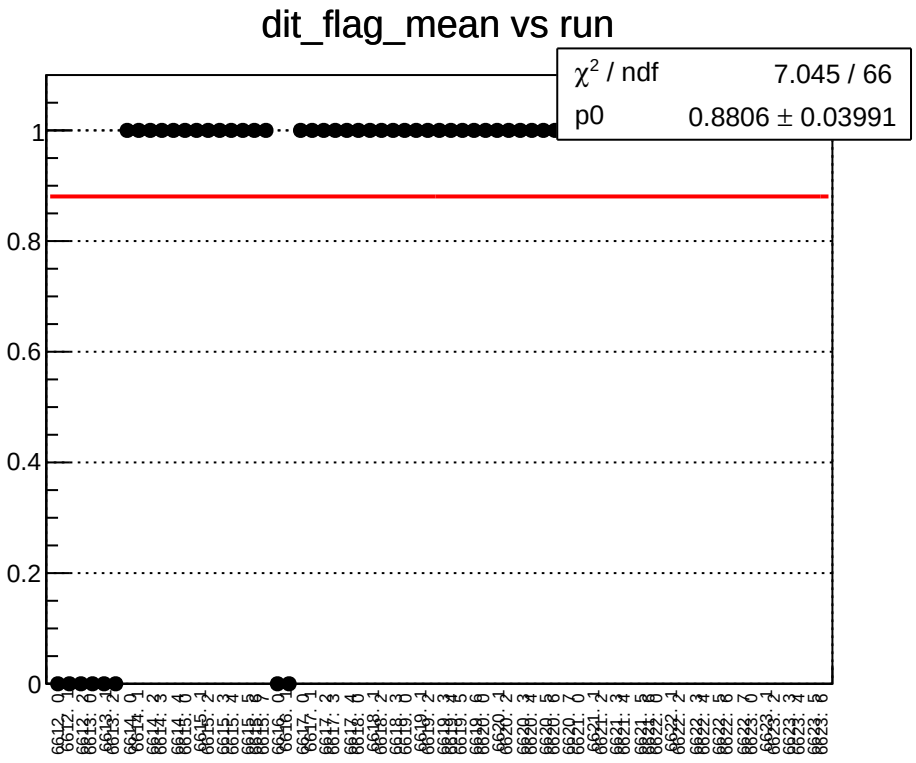


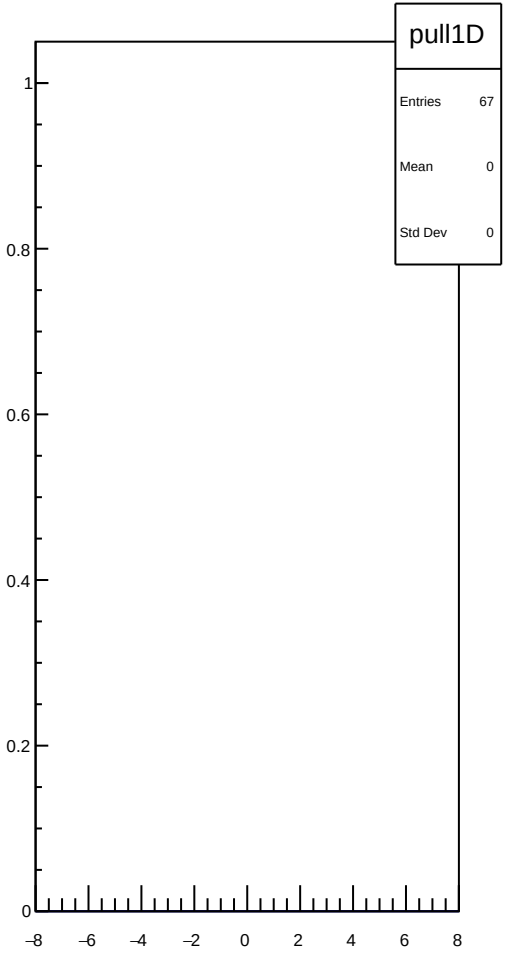

dit_scandata2_mean vs run
χ^2 / ndf 0 / 66
p0 0 ± 0.1222
1
0.8
0.6
0.4
0.2
0

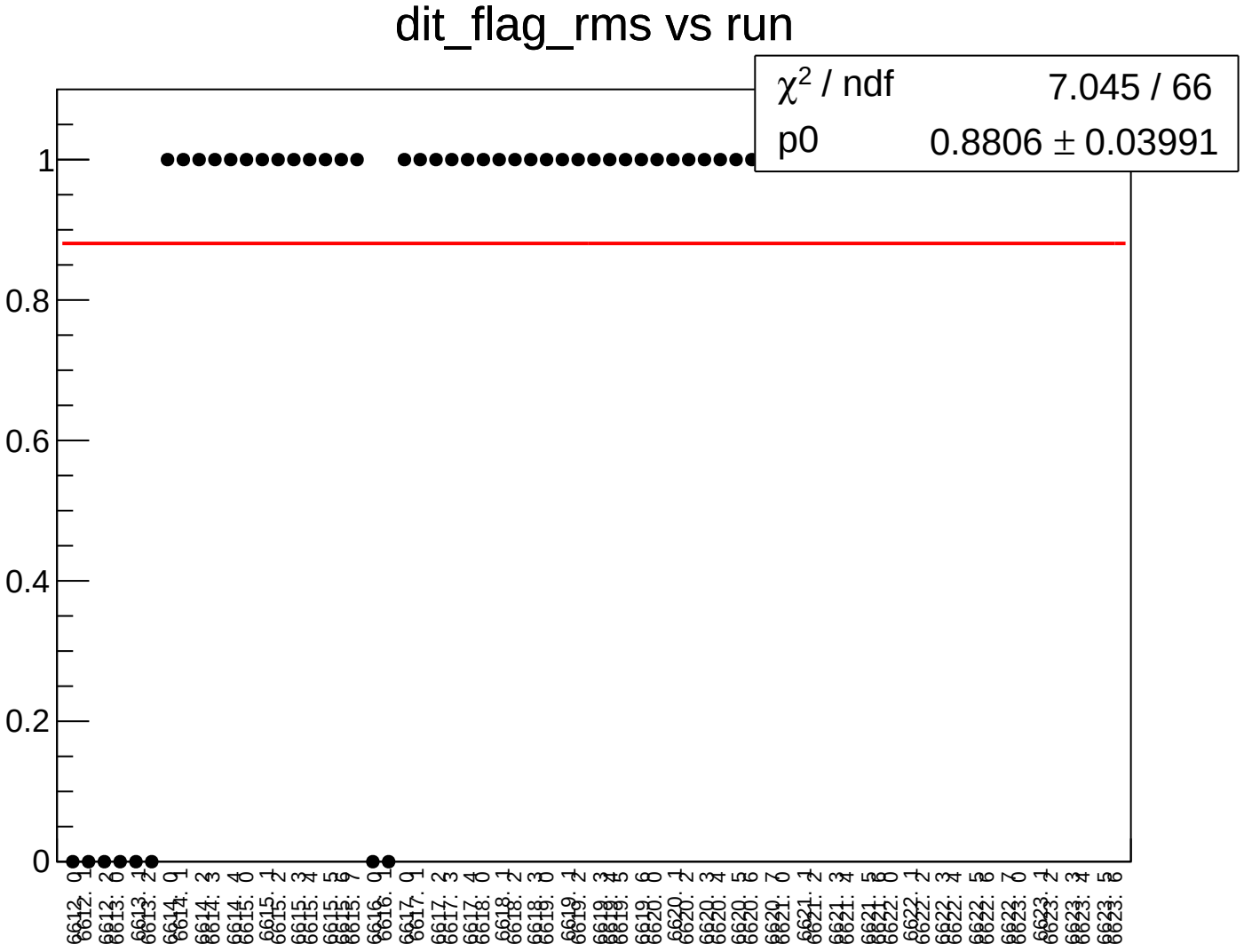

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

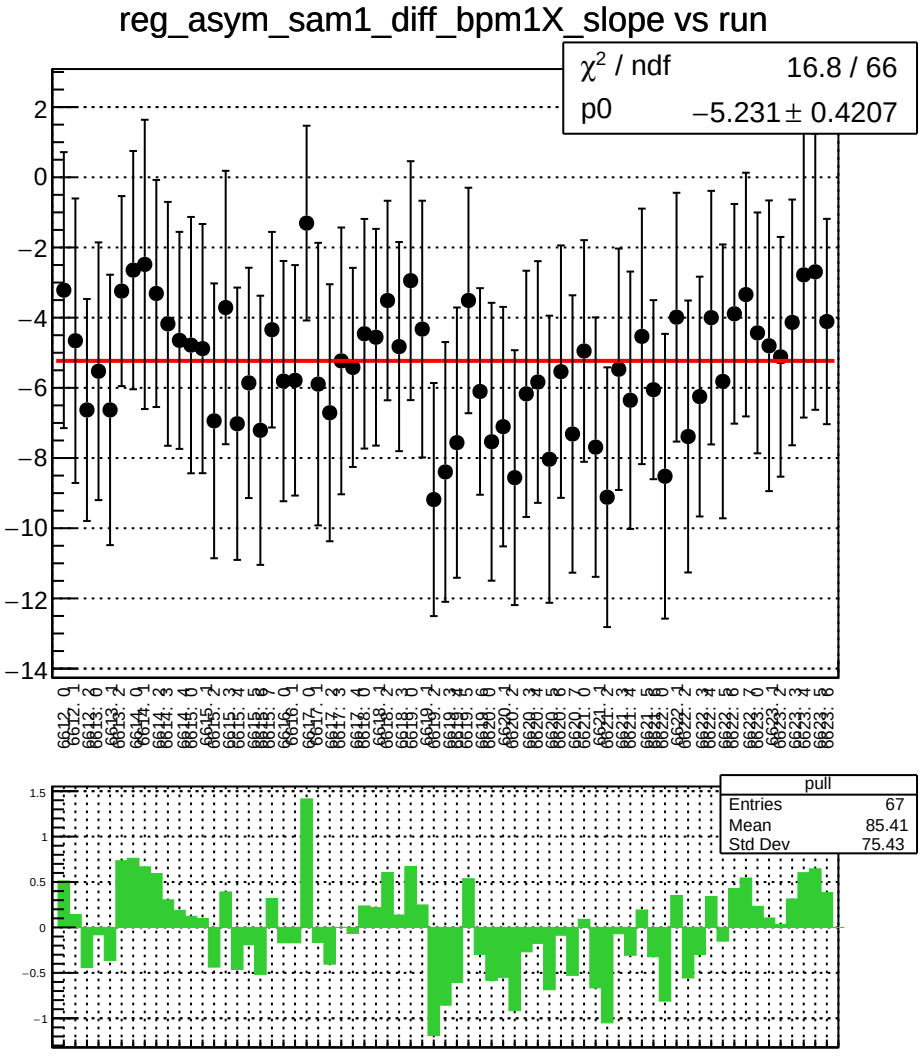
dit_scandata2_rms vs run

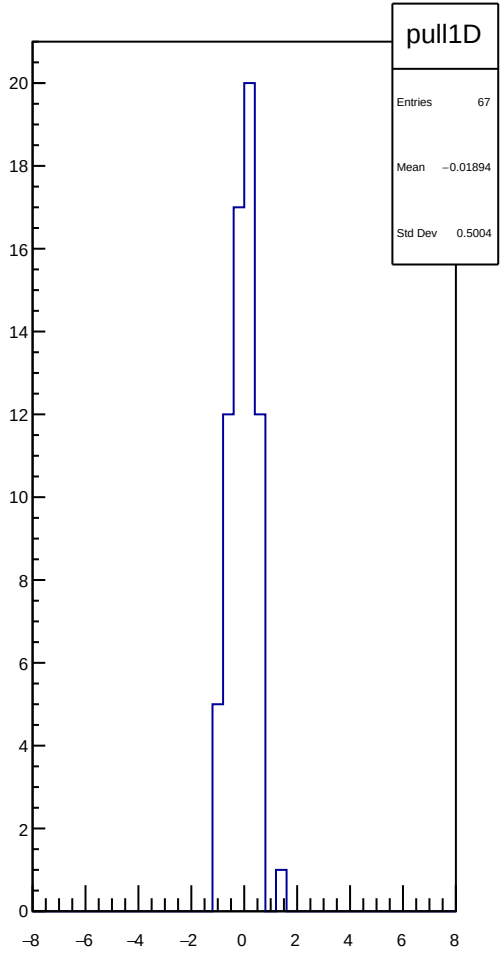


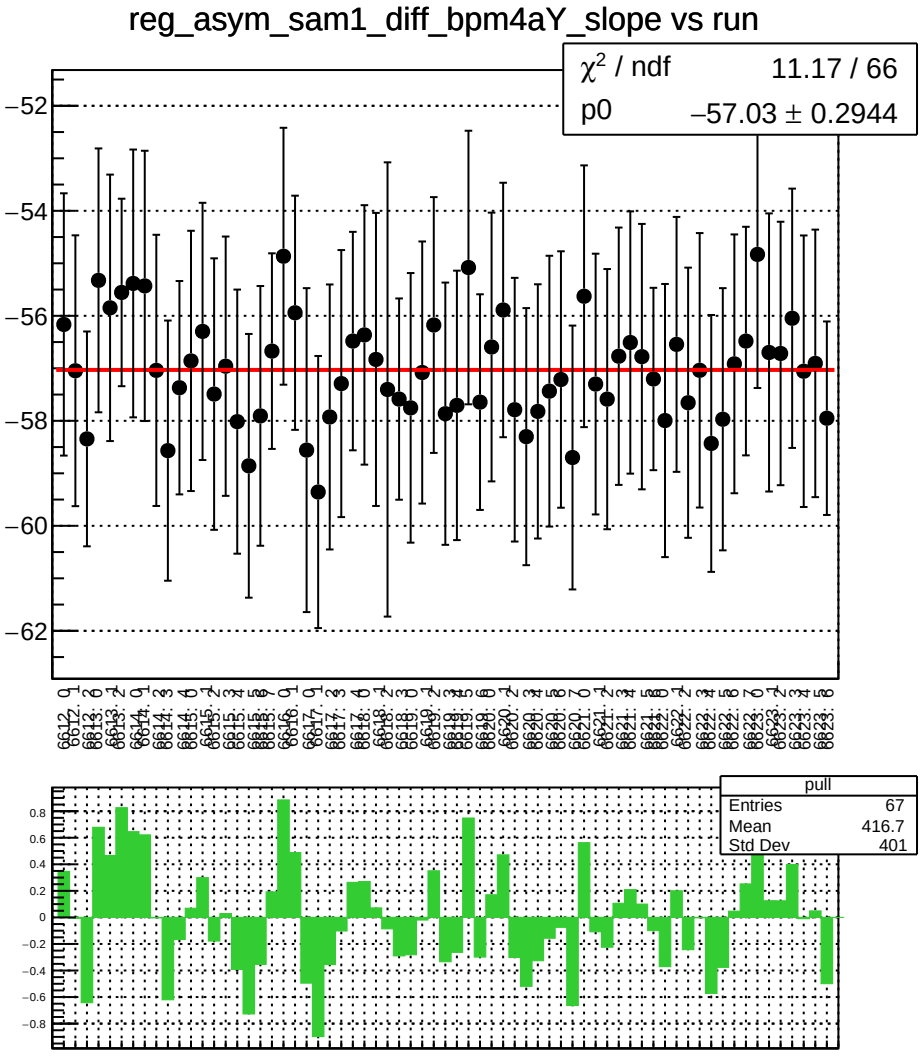

dit_flag_mean vs run
χ^2 / ndf 7.045 / 66
p0 0.8806 ± 0.03991
1
0.8
0.6
0.4
0.2
0

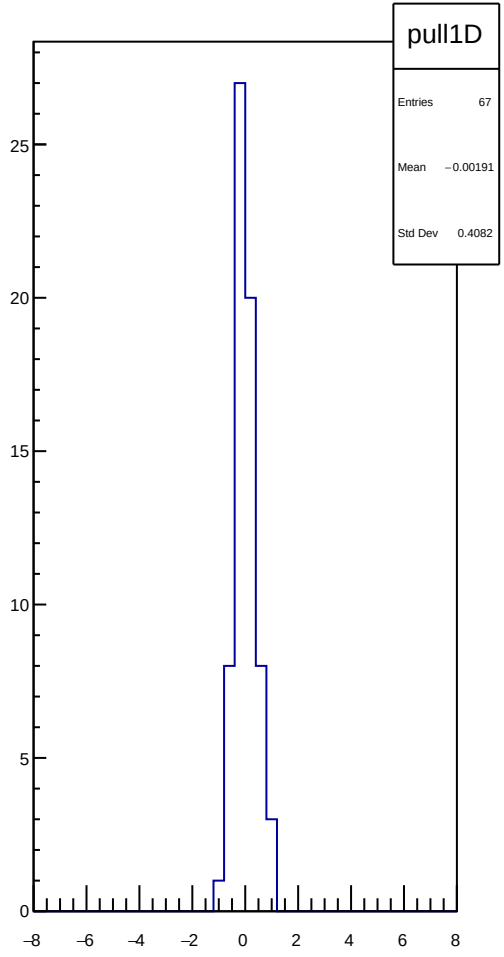

pull1D
Entries 67
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

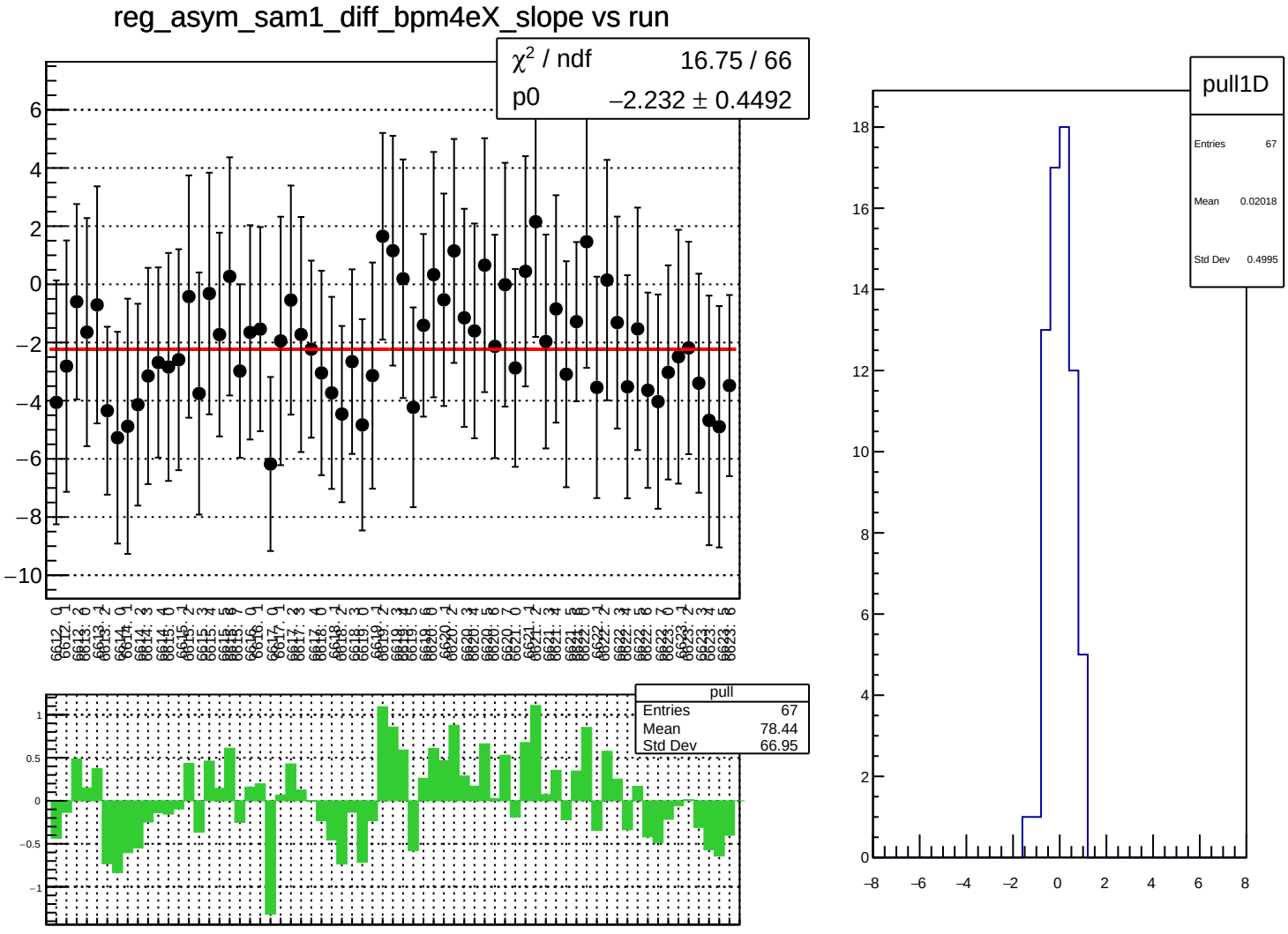

dit_flag_rms vs run
χ^2 / ndf 7.045 / 66
p0 0.8806 ± 0.03991
1
0.8
0.6
0.4
0.2
0

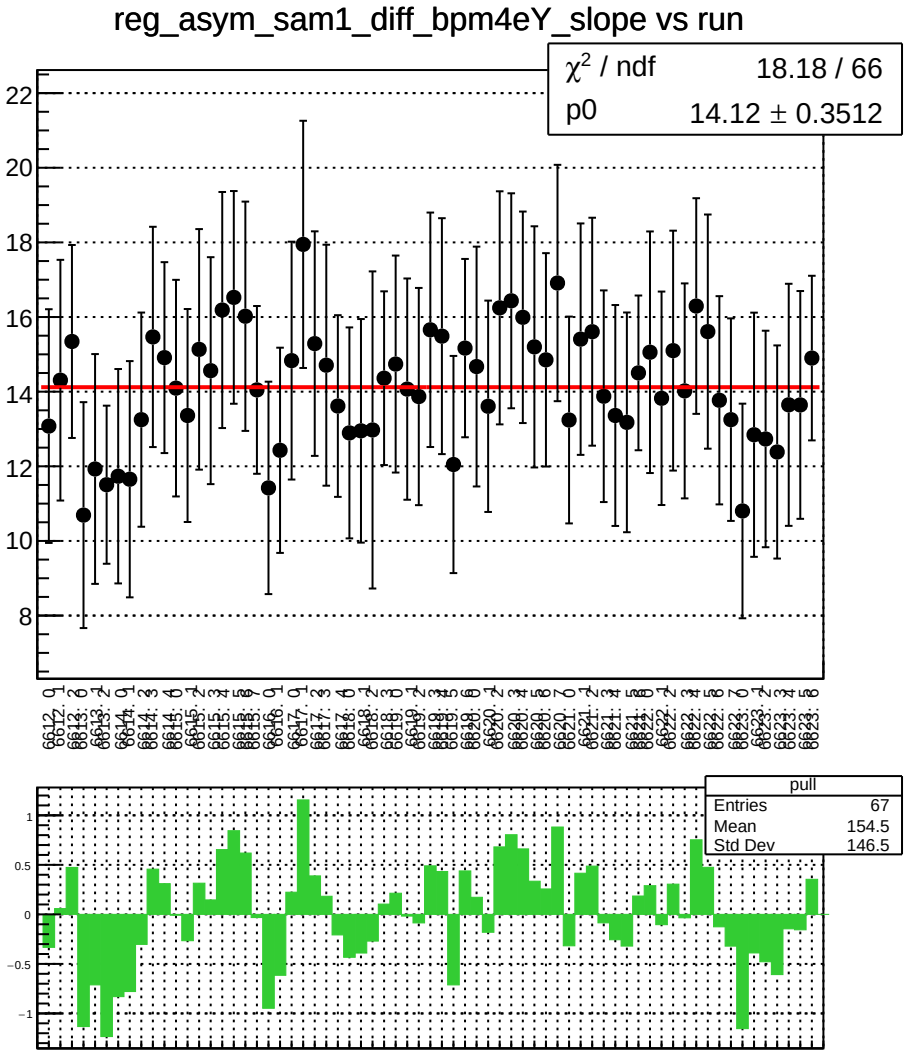

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 16.8 / 66
p0 −5.231 ± 0.4207
pull
Entries 67
Mean 85.41
Std Dev 75.43

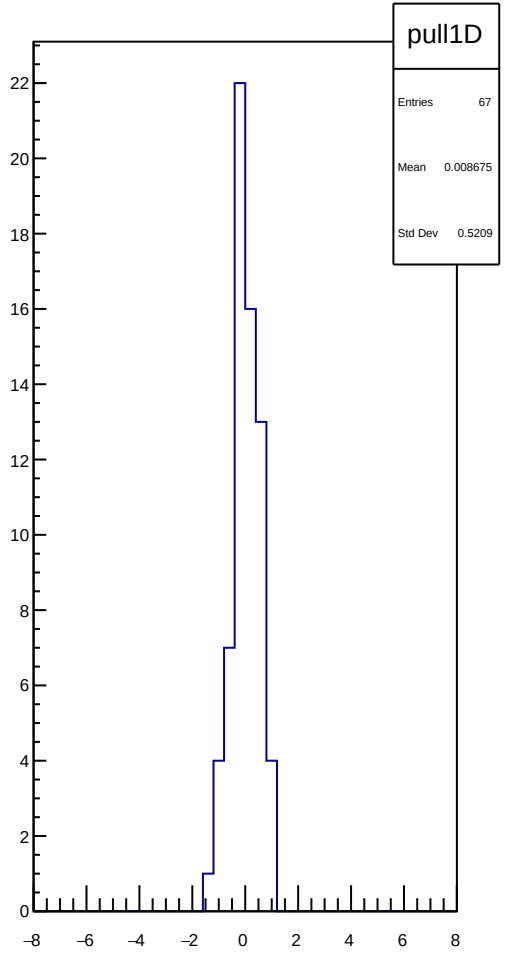

pull1D
Entries 67
Mean −0.01894
Std Dev 0.5004

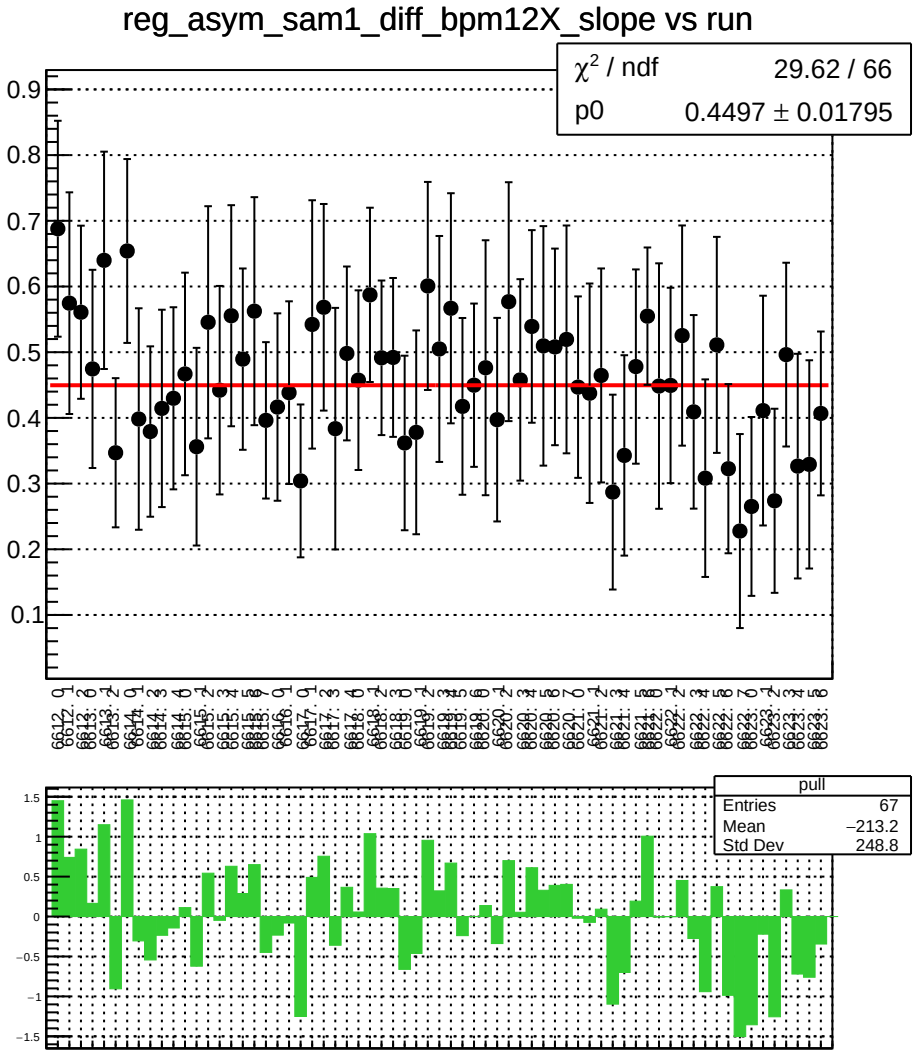

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 11.17 / 66
p0 −57.03 ± 0.2944
pull
Entries 67
Mean 416.7
Std Dev 401

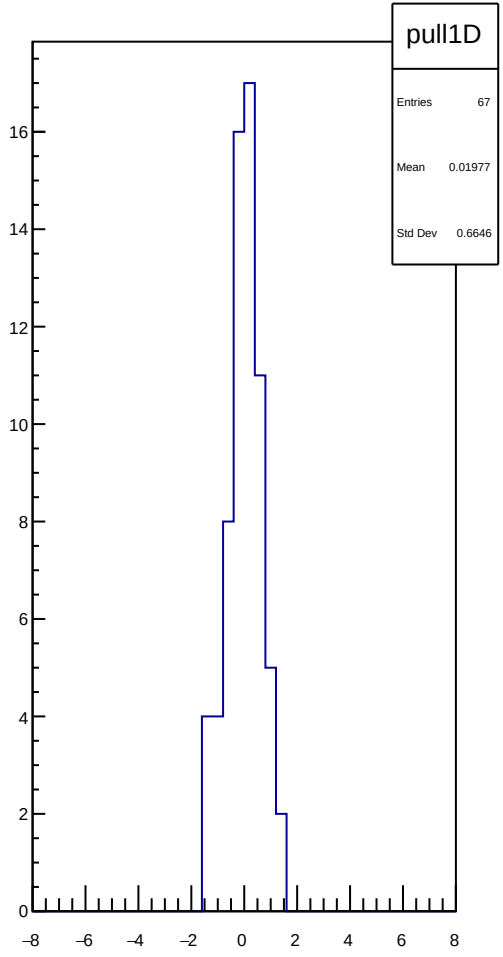

pull1D
Entries 67
Mean −0.00191
Std Dev 0.4082

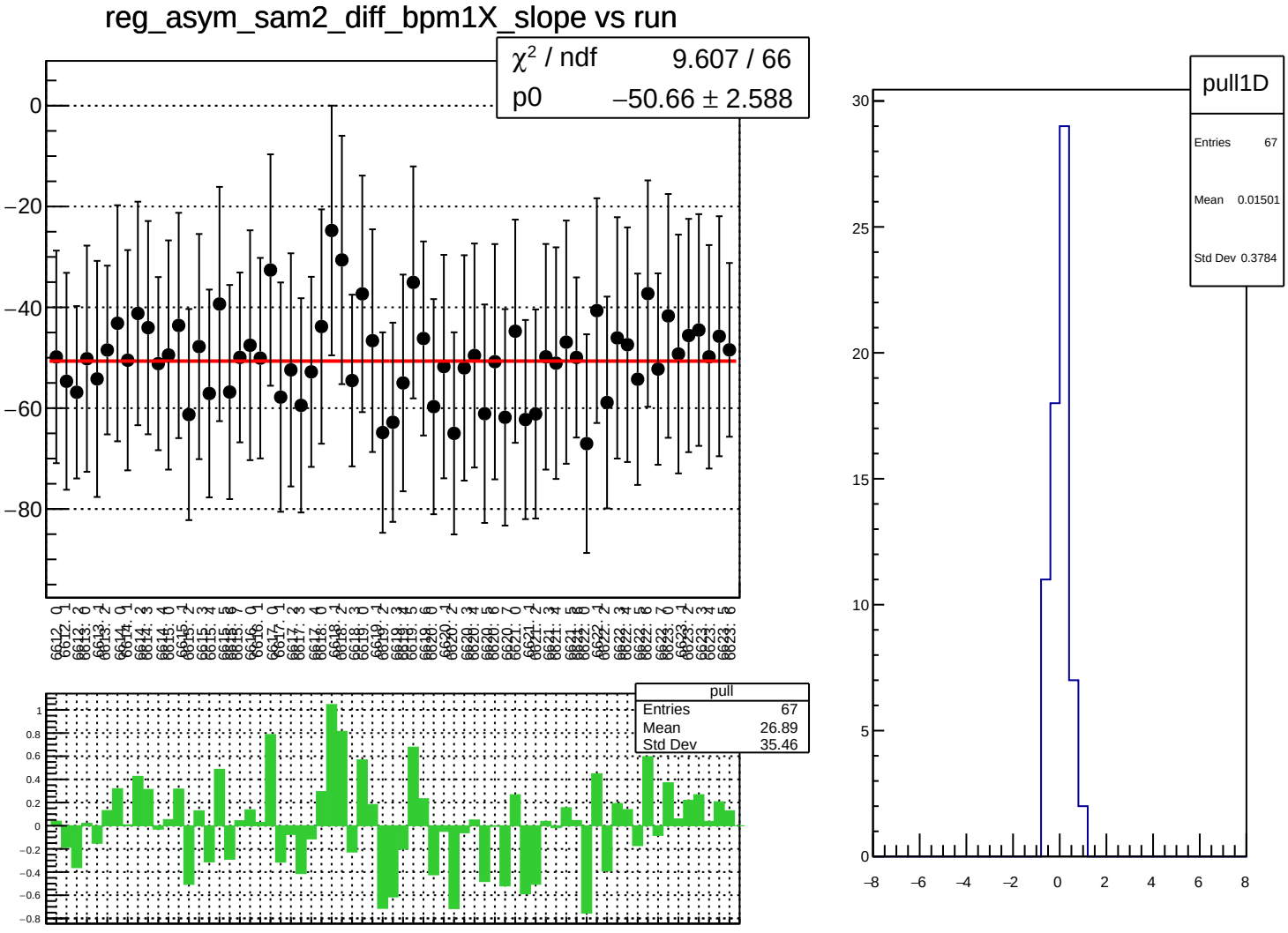

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 16.75 / 66
p0 −2.232 ± 0.4492
pull
Entries 67
Mean 78.44
Std Dev 66.95
pull1D
Entries 67
Mean 0.02018
Std Dev 0.4995

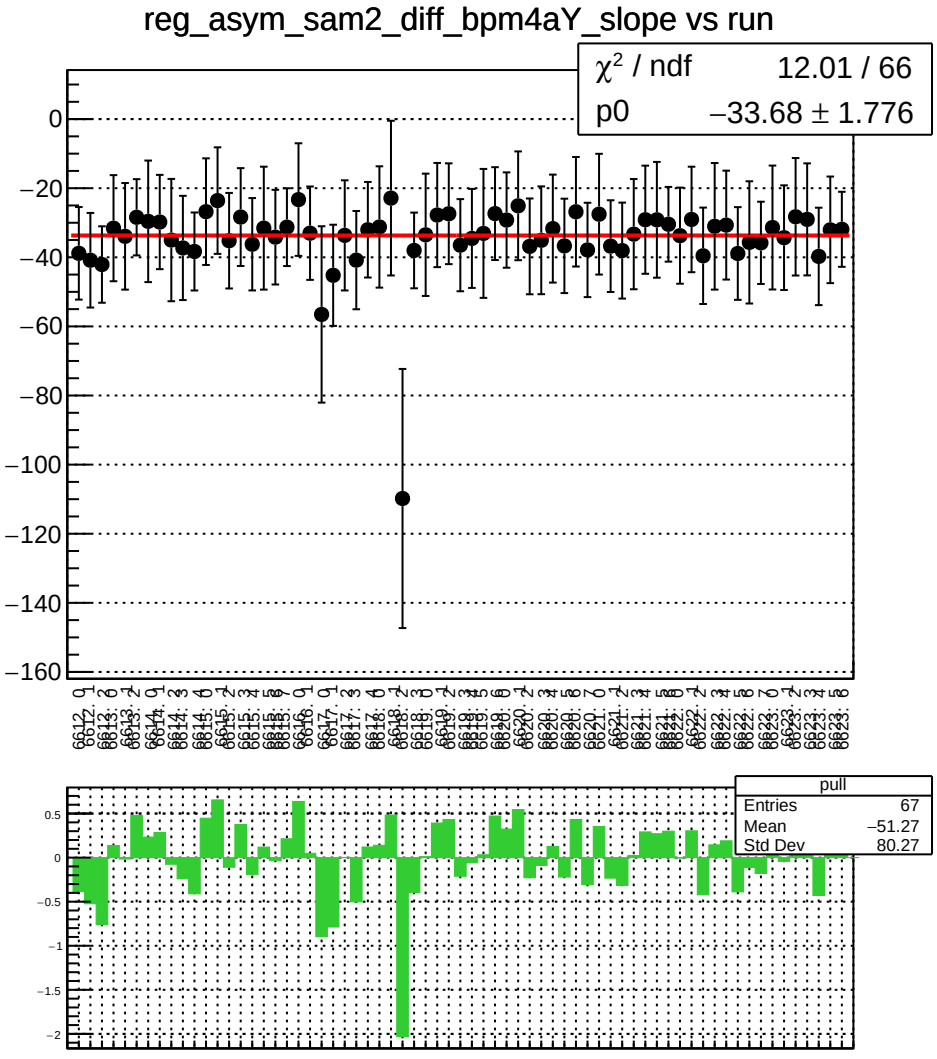

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 18.18 / 66
p0 14.12 ± 0.3512
pull
Entries 67
Mean 154.5
Std Dev 146.5

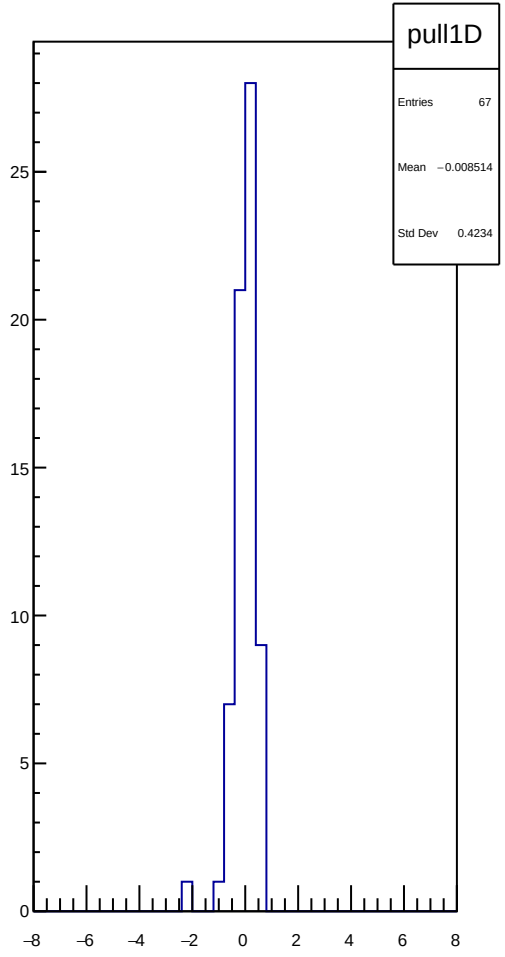

pull1D
Entries 67
Mean 0.008675
Std Dev 0.5209

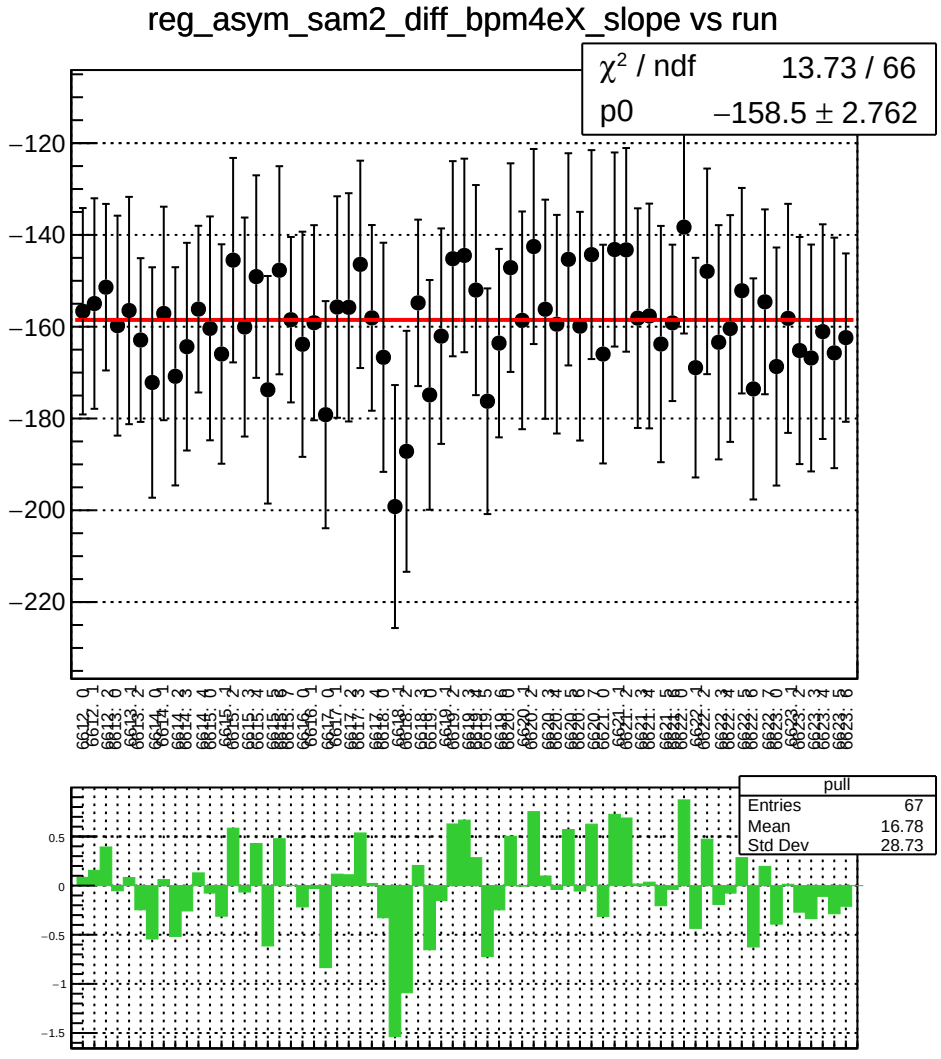

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 29.62 / 66
p0 0.4497 ± 0.01795
pull
Entries 67
Mean −213.2
Std Dev 248.8

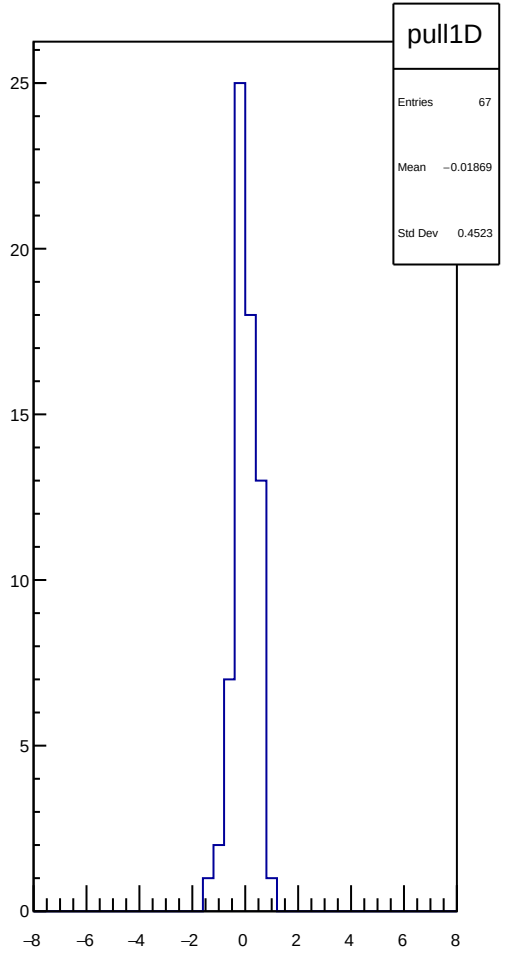

pull1D
Entries 67
Mean 0.01977
Std Dev 0.6646

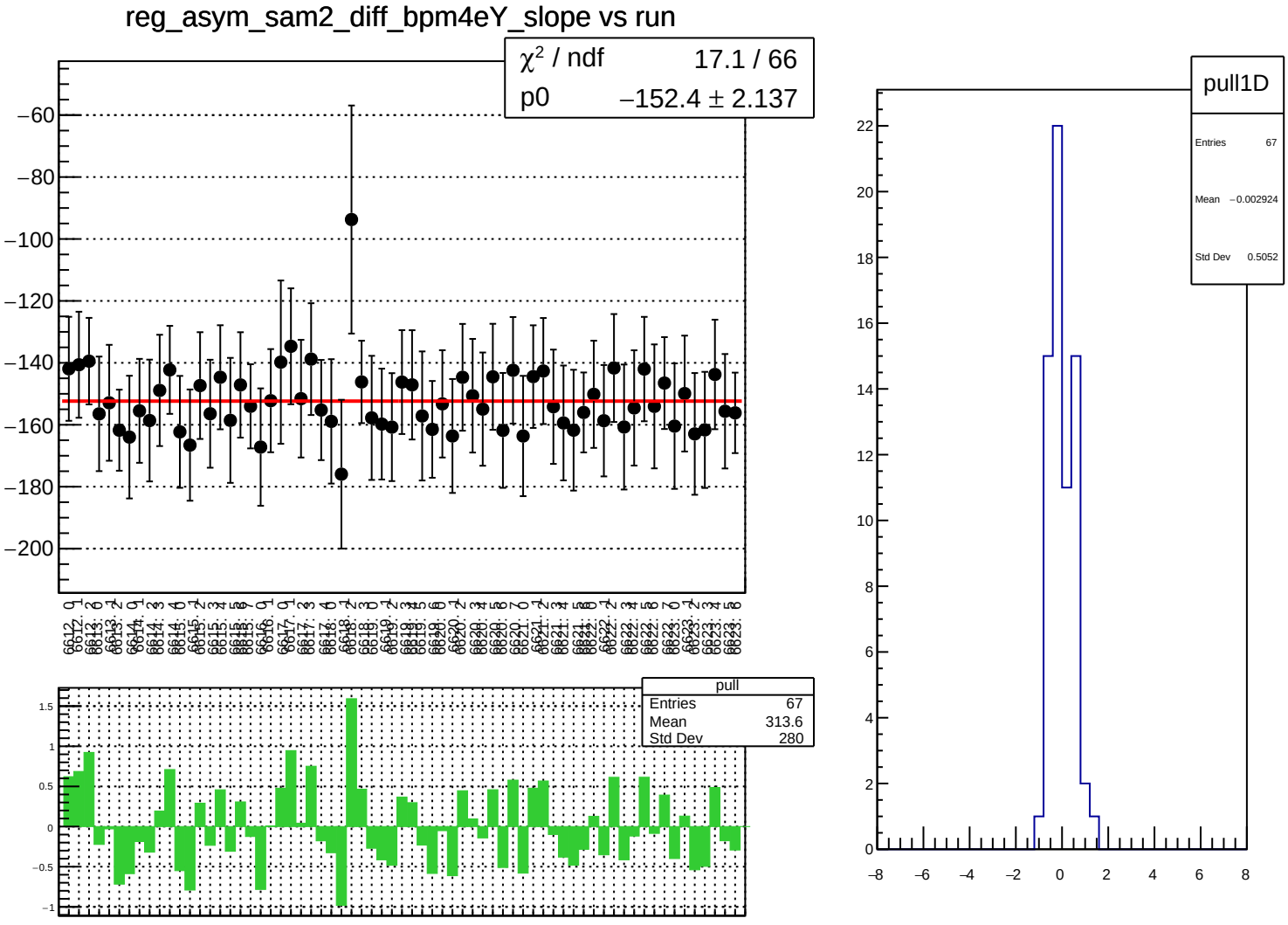

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 9.607 / 66
p0 −50.66 ± 2.588
pull
Entries 67
Mean 26.89
Std Dev 35.46
pull1D
Entries 67
Mean 0.01501
Std Dev 0.3784

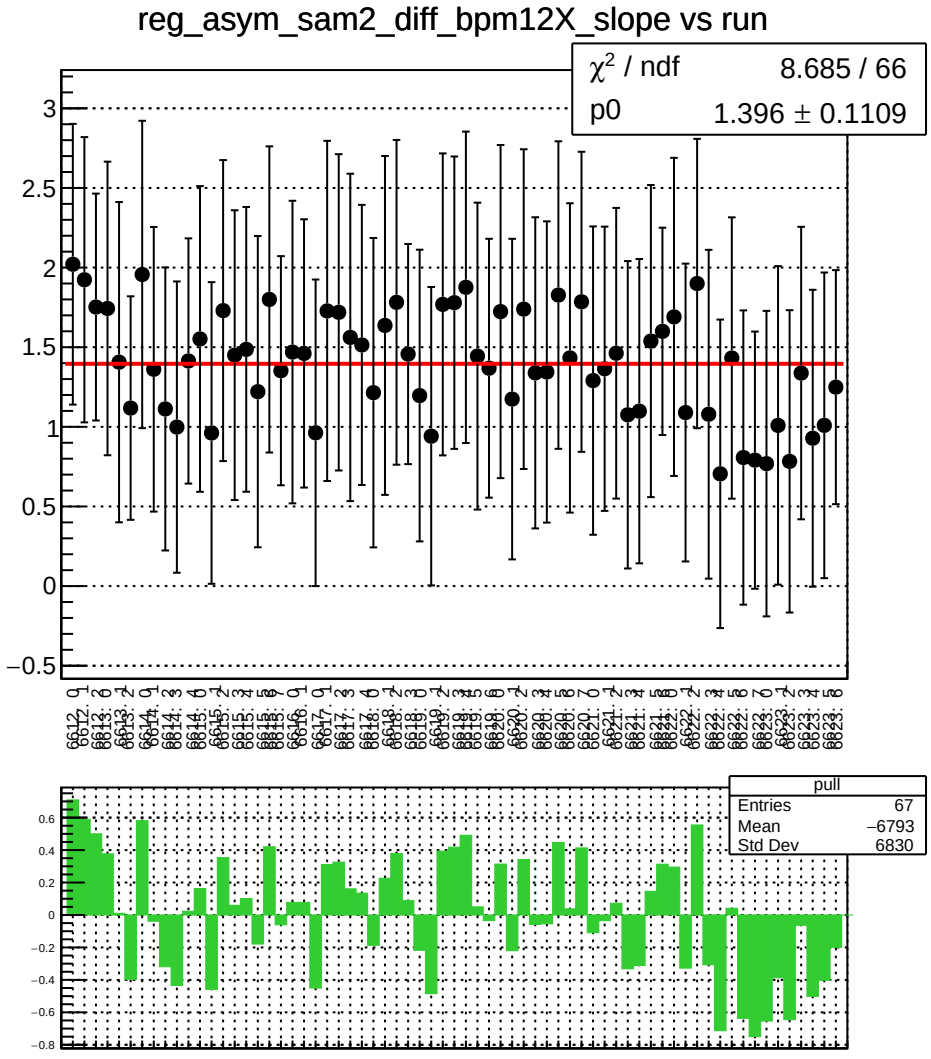

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.01 / 66
p0 −33.68 ± 1.776
pull
Entries 67
Mean −51.27
Std Dev 80.27

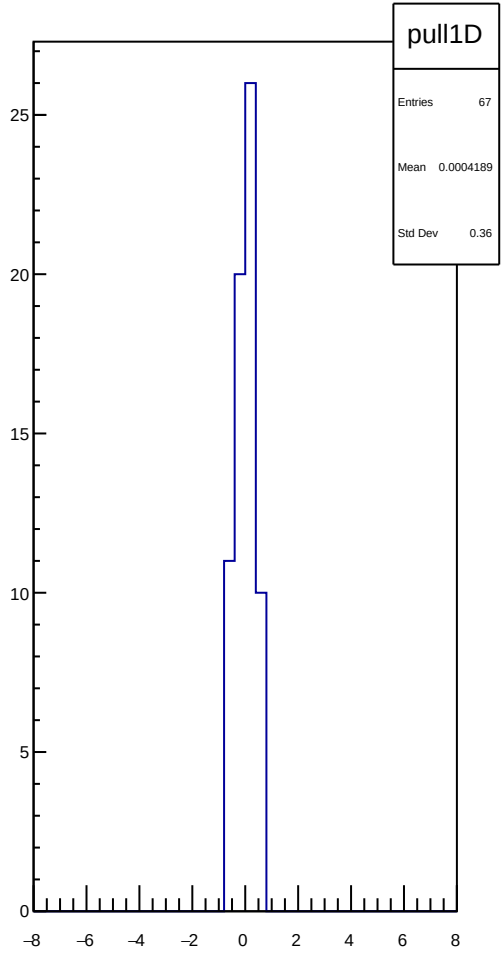

pull1D
Entries 67
Mean −0.008514
Std Dev 0.4234

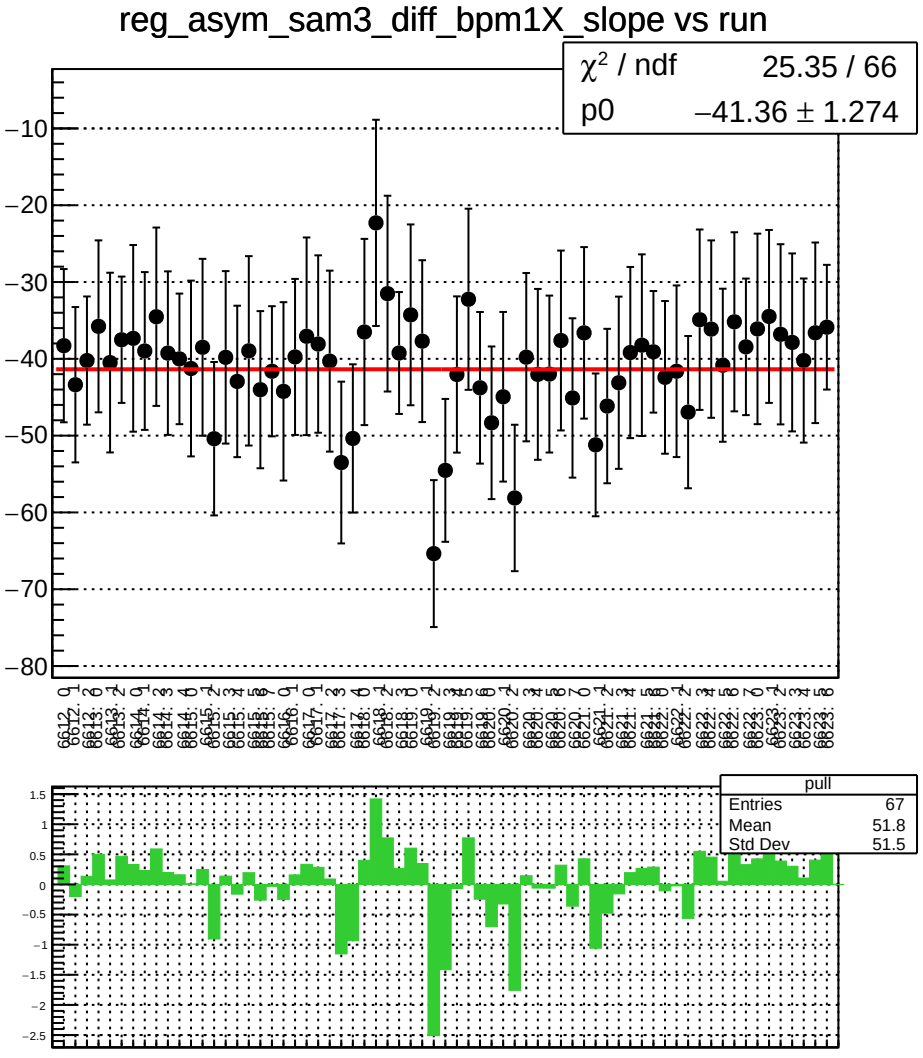

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 13.73 / 66
p0 −158.5 ± 2.762
−120
−140
−160
−180
−200
−220
pull
Entries 67
Mean 16.78
Std Dev 28.73
0.5
0
−0.5
−1
−1.5

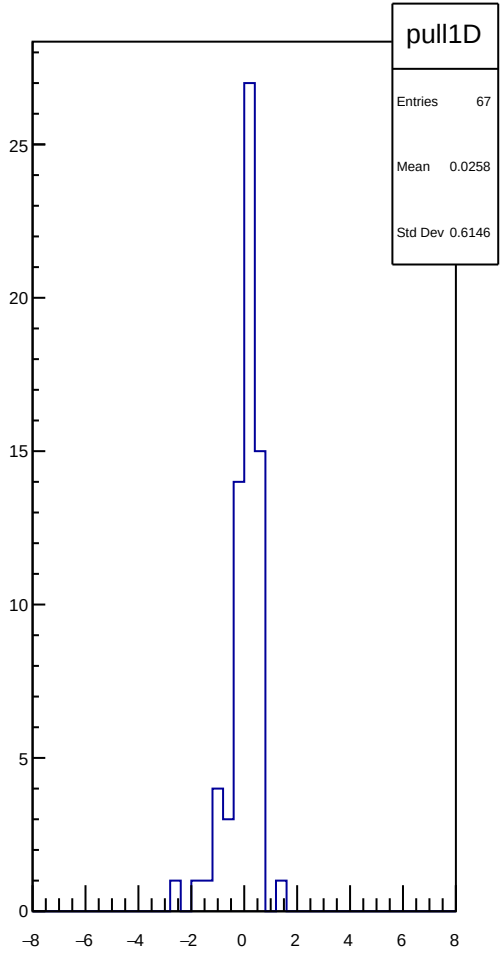

pull1D
Entries 67
Mean −0.01869
Std Dev 0.4523
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

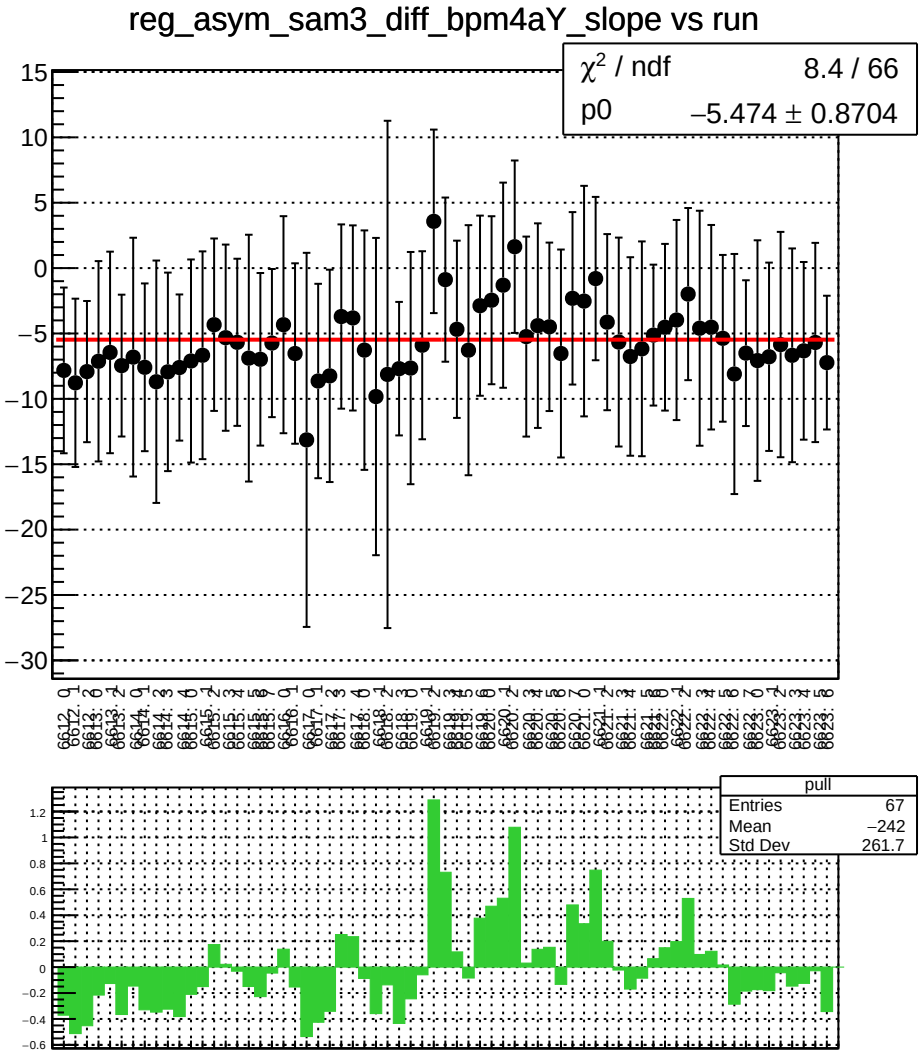

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 17.1 / 66
p0 −152.4 ± 2.137
pull
Entries 67
Mean 313.6
Std Dev 280
pull1D
Entries 67
Mean −0.002924
Std Dev 0.5052

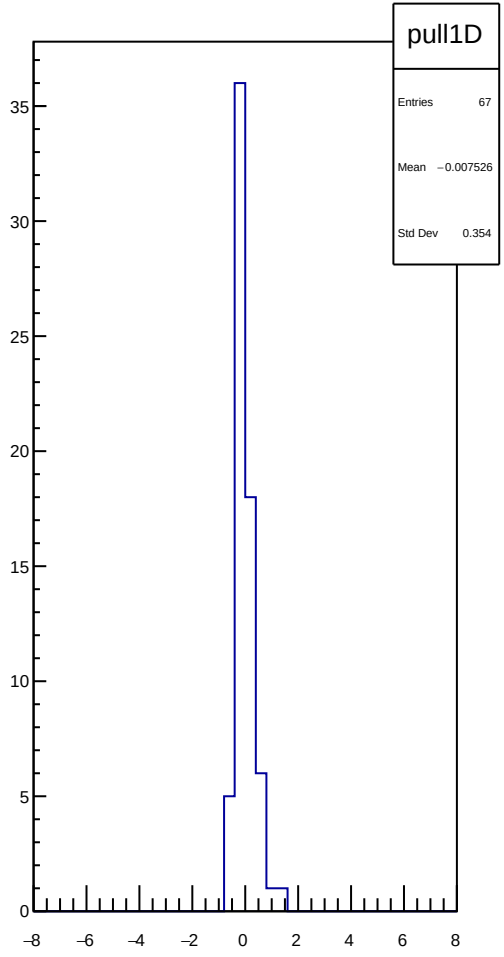

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 8.685 / 66
p0 1.396 ± 0.1109
pull
Entries 67
Mean −6793
Std Dev 6830

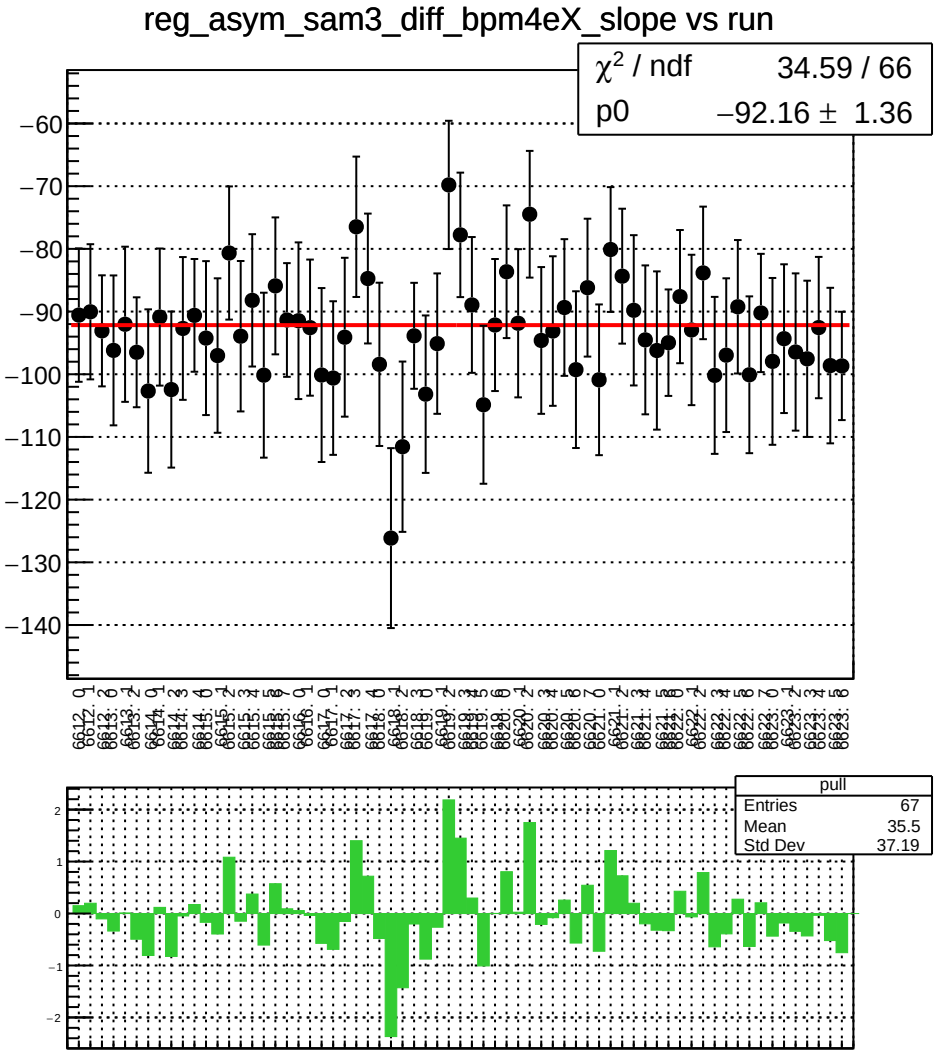

pull1D
Entries 67
Mean 0.0004189
Std Dev 0.36

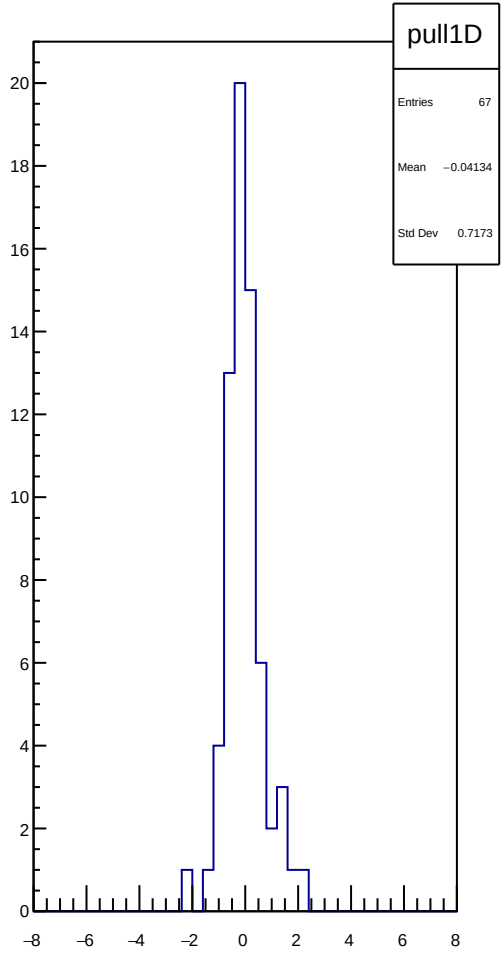

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 25.35 / 66
p0 −41.36 ± 1.274
pull
Entries 67
Mean 51.8
Std Dev 51.5

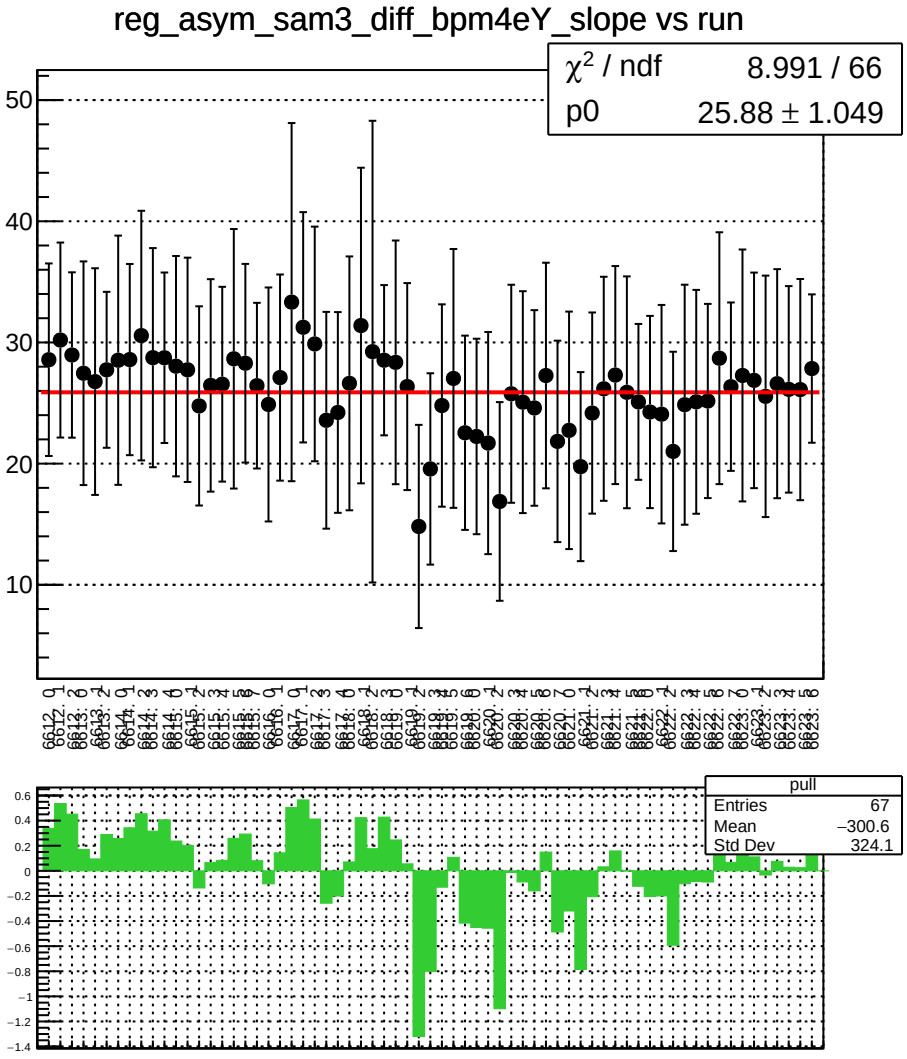

pull1D
Entries 67
Mean 0.0258
Std Dev 0.6146

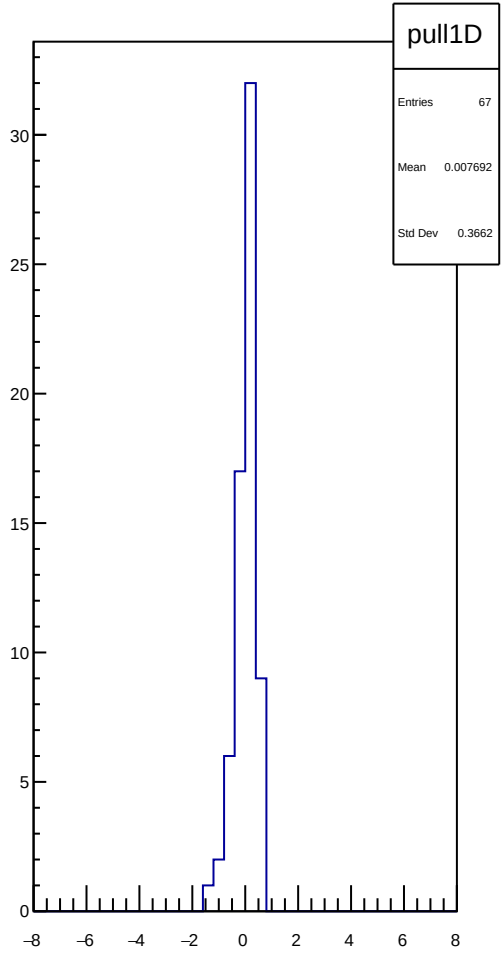

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 8.4 / 66
p0 −5.474 ± 0.8704
pull
Entries 67
Mean −242
Std Dev 261.7

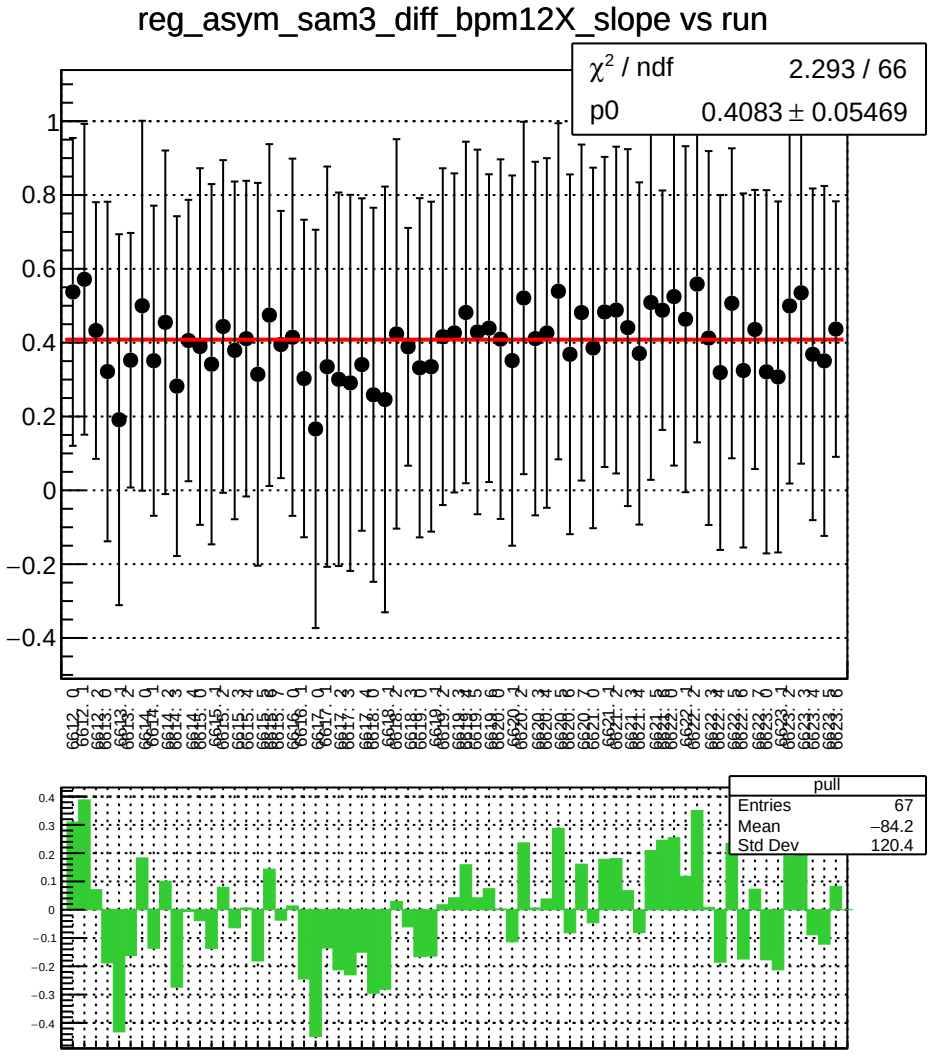

pull1D
Entries 67
Mean −0.007526
Std Dev 0.354

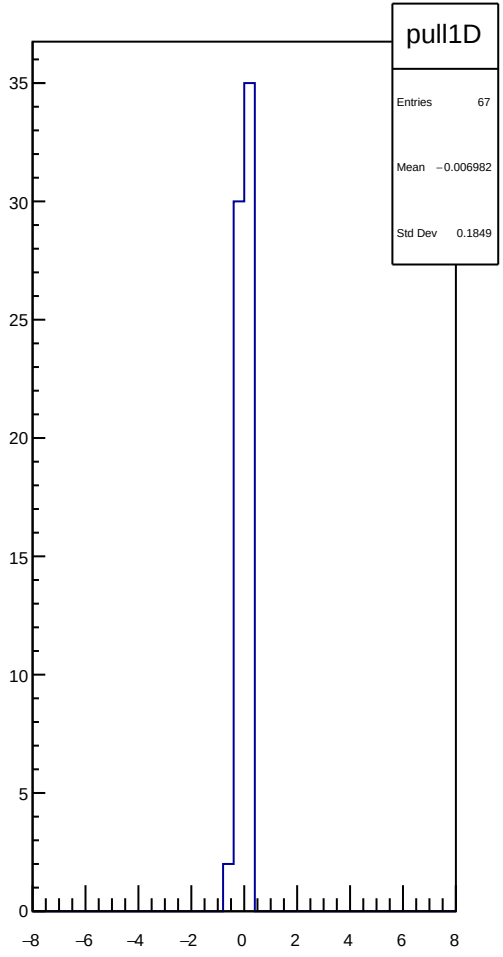

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 34.59 / 66
p0 −92.16 ± 1.36
pull
Entries 67
Mean 35.5
Std Dev 37.19

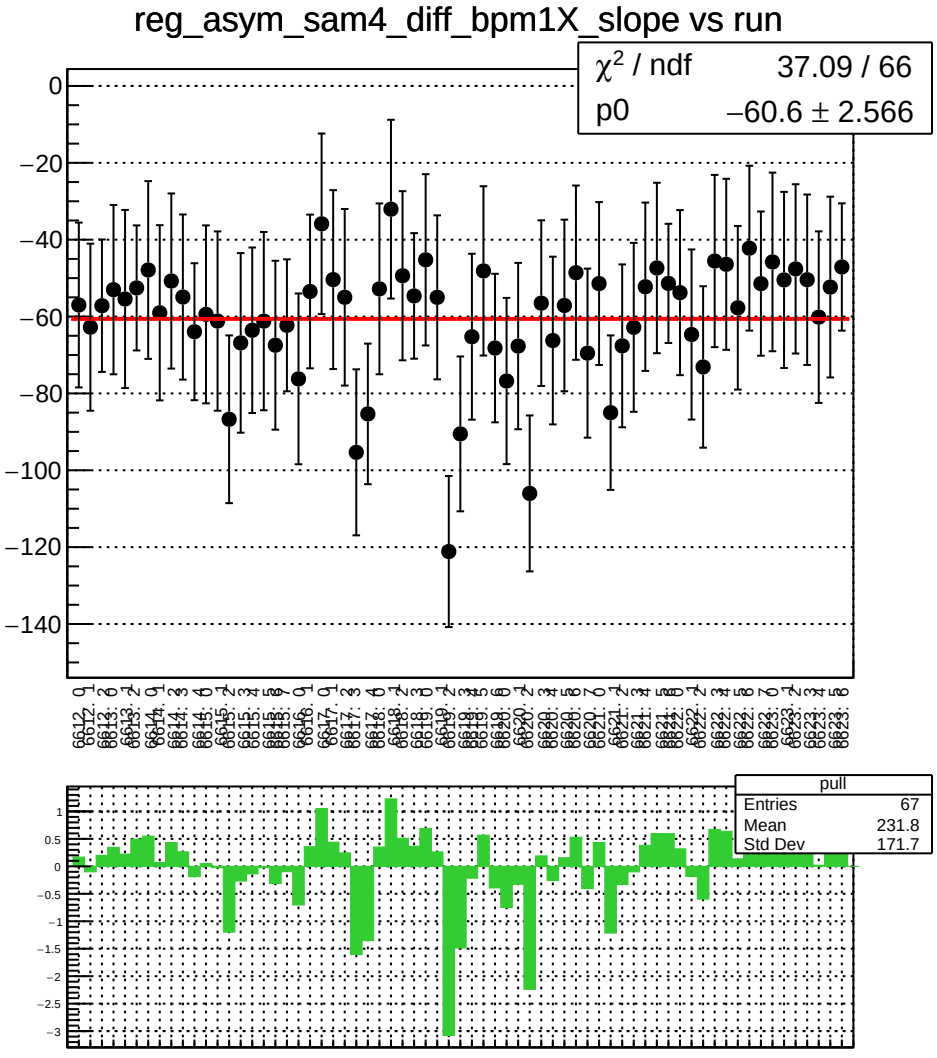

pull1D
Entries 67
Mean −0.04134
Std Dev 0.7173

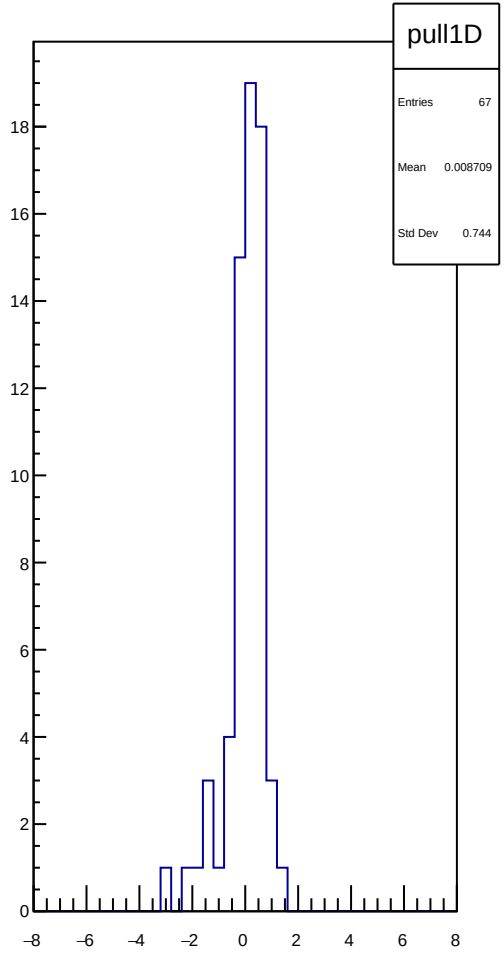

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 8.991 / 66
p0 25.88 ± 1.049
pull
Entries 67
Mean −300.6
Std Dev 324.1

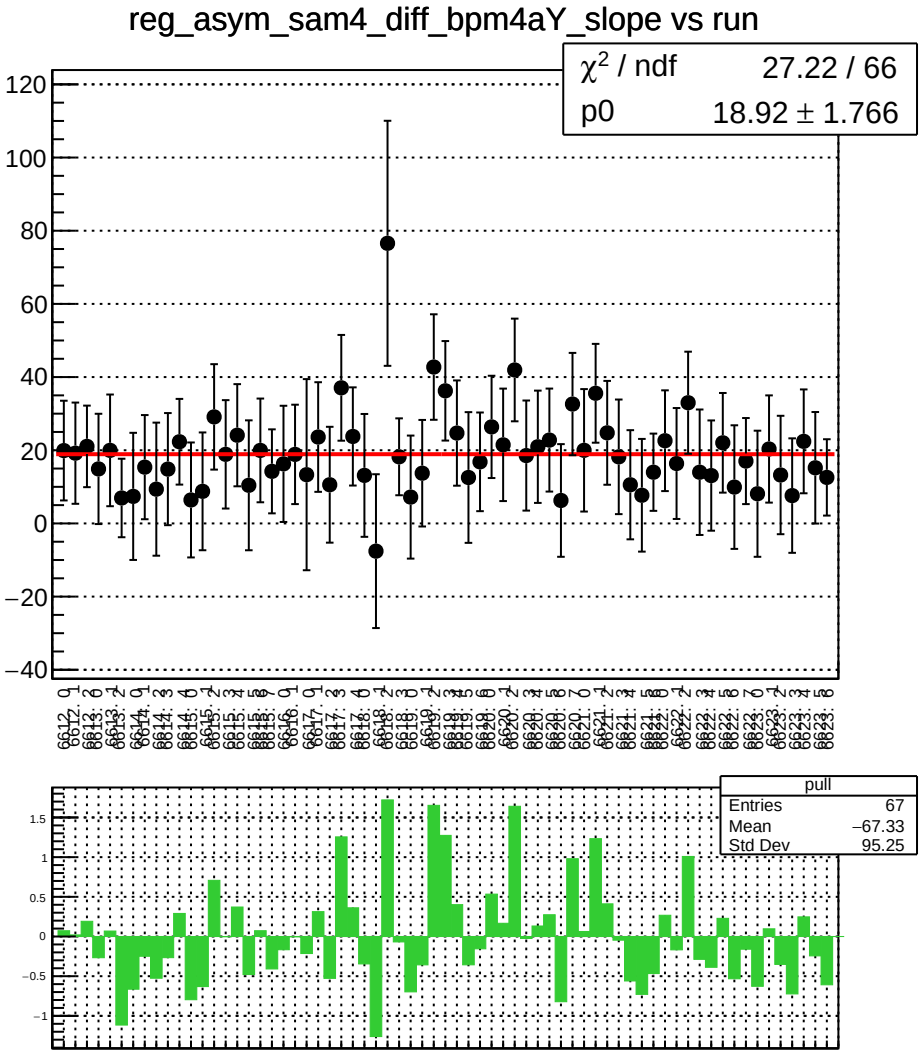

pull1D
Entries 67
Mean 0.007692
Std Dev 0.3662

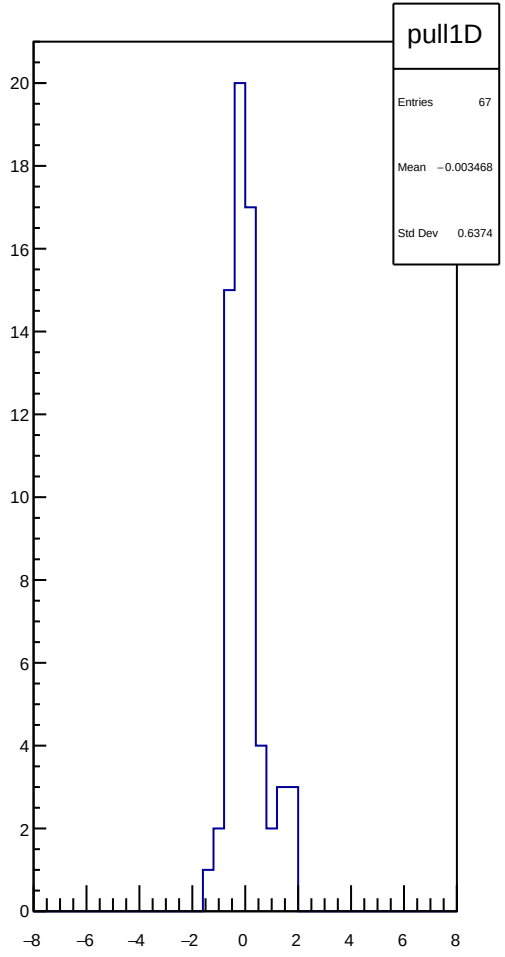

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 2.293 / 66
p0 0.4083 ± 0.05469
pull
Entries 67
Mean −84.2
Std Dev 120.4

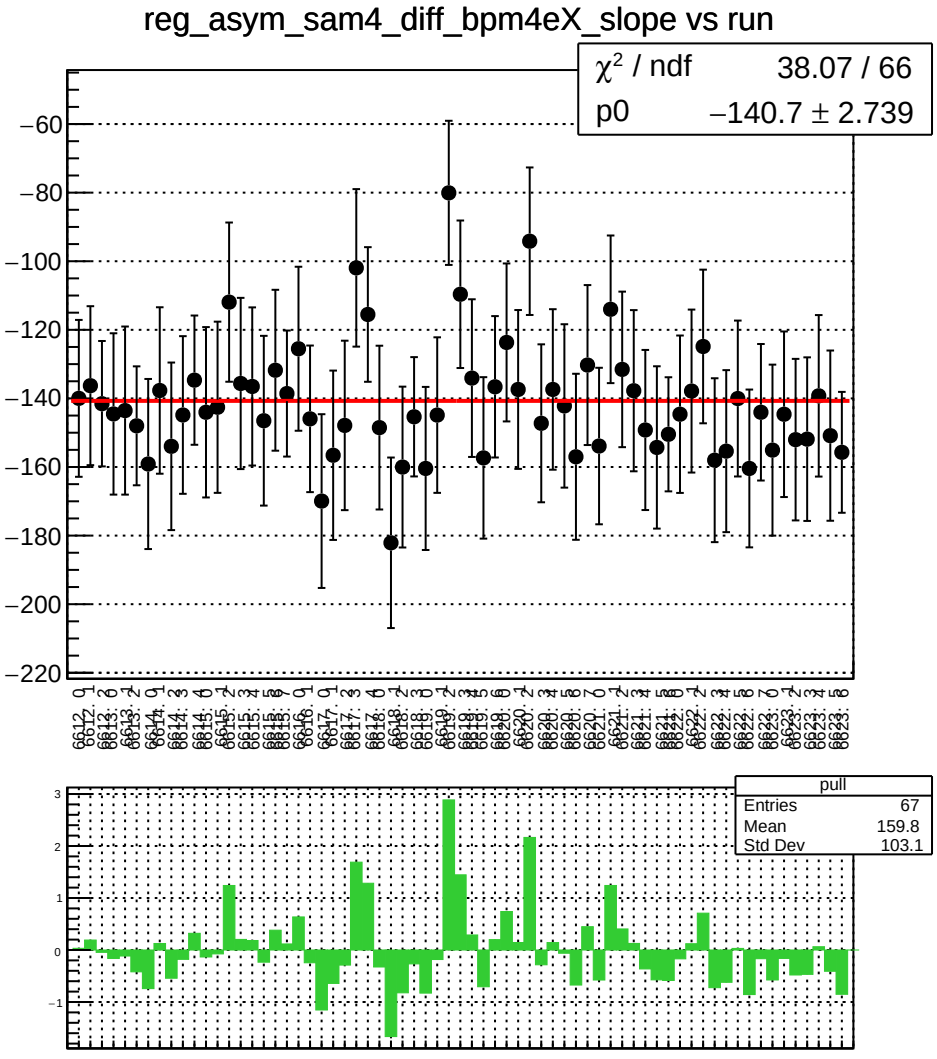

pull1D
Entries 67
Mean −0.006982
Std Dev 0.1849

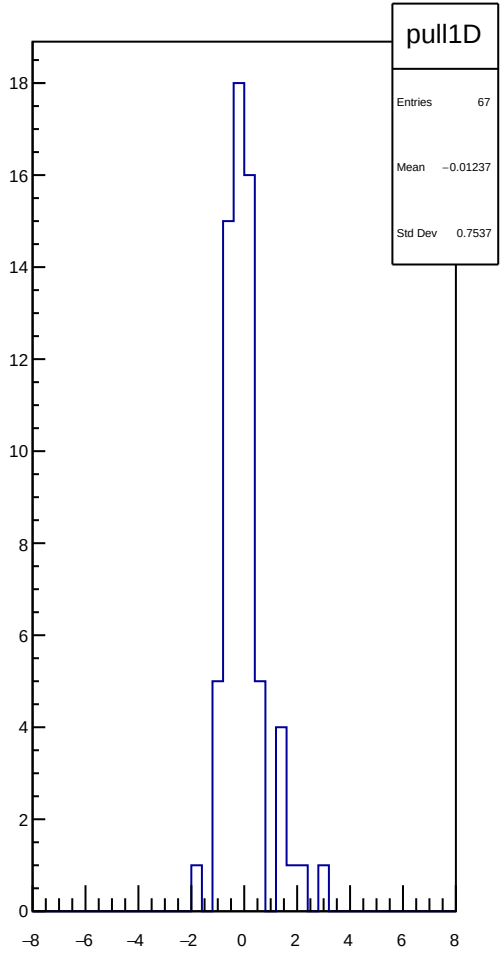

reg_asym_sam4_diff_bpm1X_slope vs run
χ^2 / ndf 37.09 / 66
p0 −60.6 ± 2.566
pull
Entries 67
Mean 231.8
Std Dev 171.7

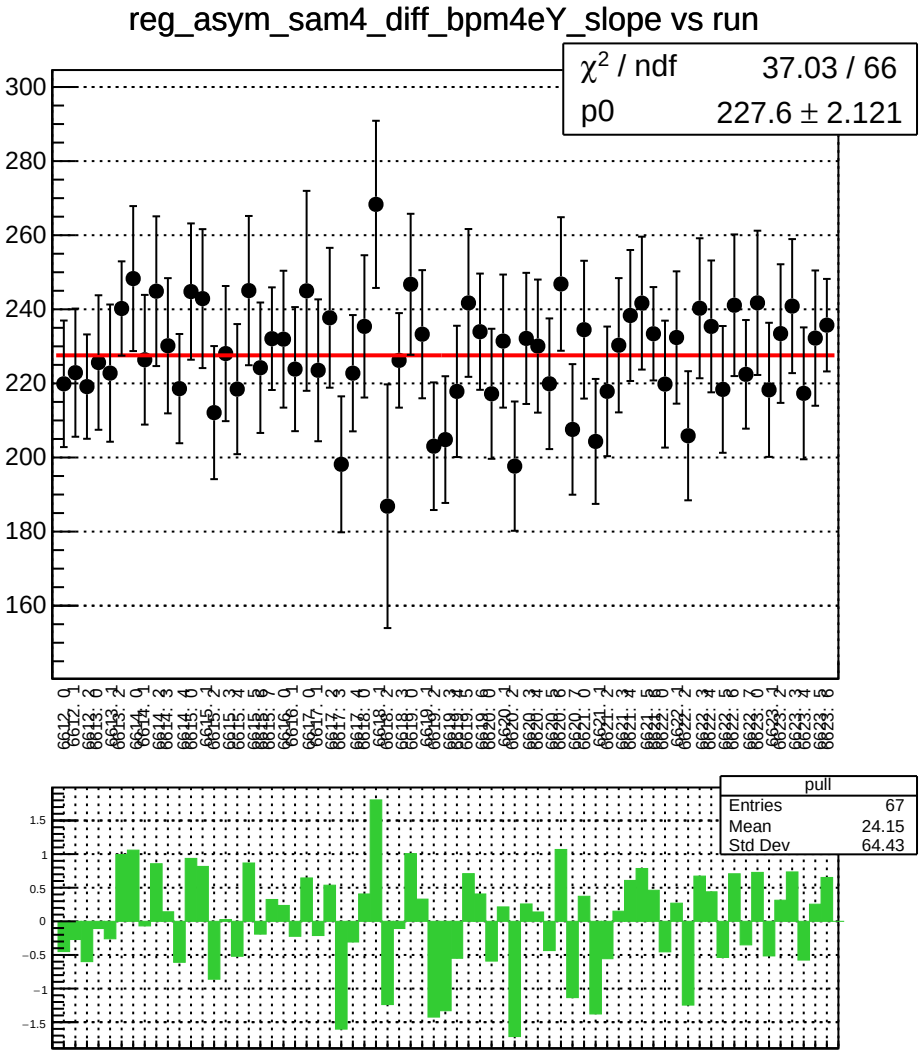

pull1D
Entries 67
Mean 0.008709
Std Dev 0.744

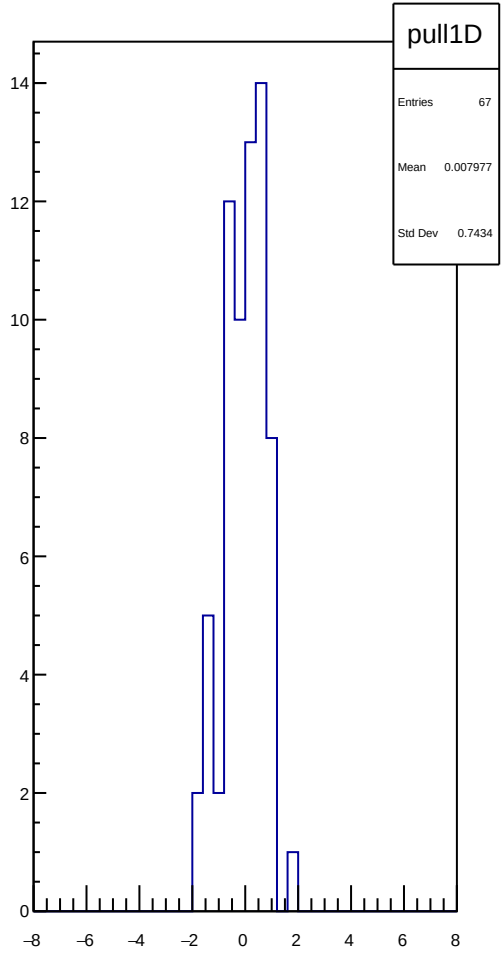

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 27.22 / 66
p0 18.92 ± 1.766
pull
Entries 67
Mean −67.33
Std Dev 95.25

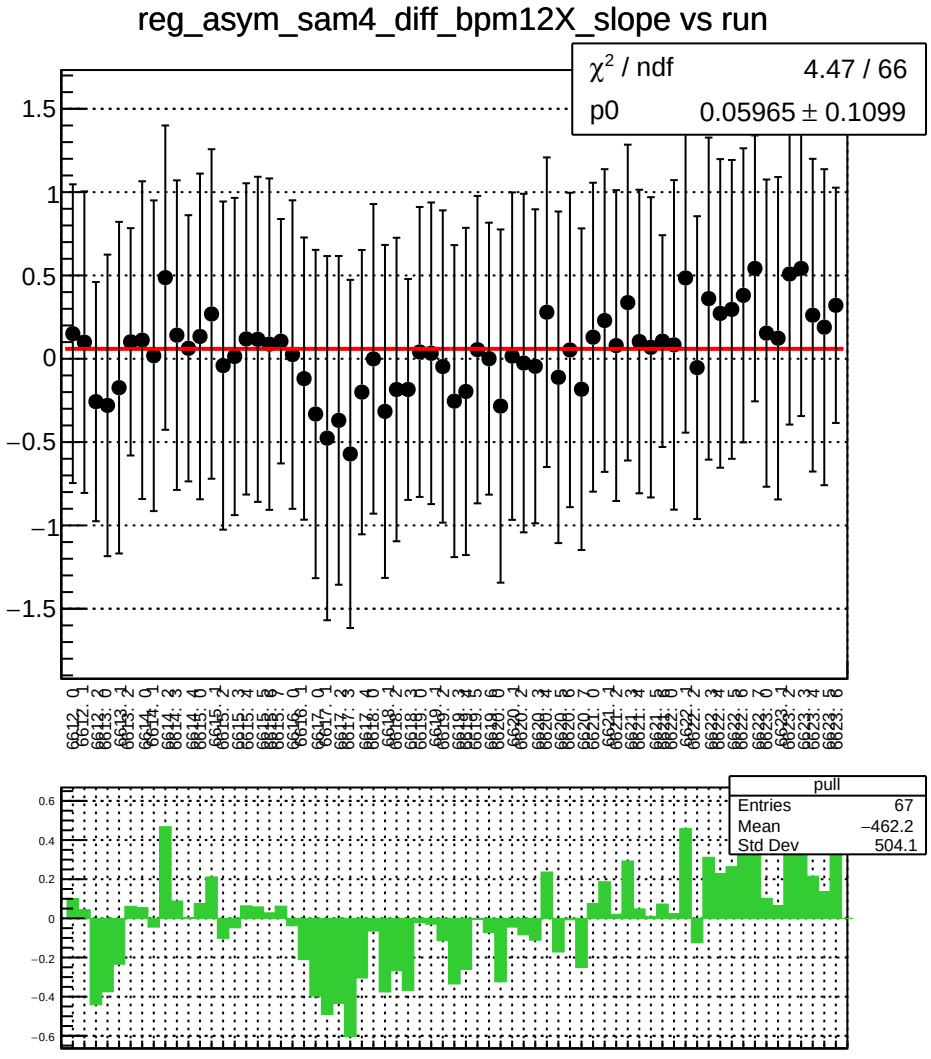

pull1D
Entries 67
Mean −0.003468
Std Dev 0.6374

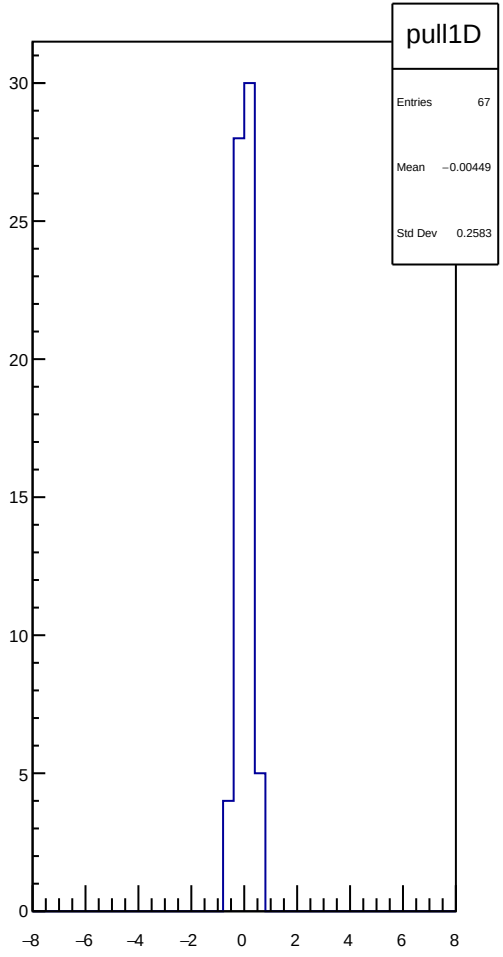

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 38.07 / 66
p0 −140.7 ± 2.739
pull
Entries 67
Mean 159.8
Std Dev 103.1

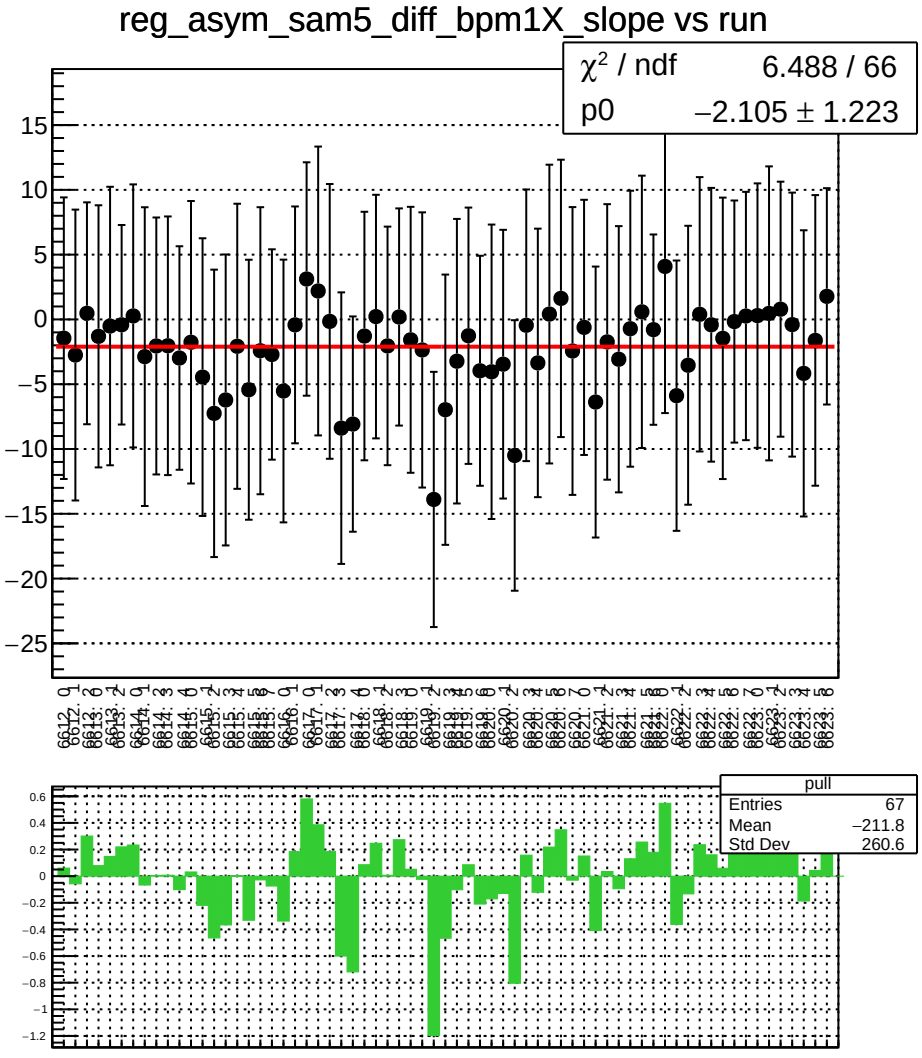

pull1D
Entries 67
Mean −0.01237
Std Dev 0.7537

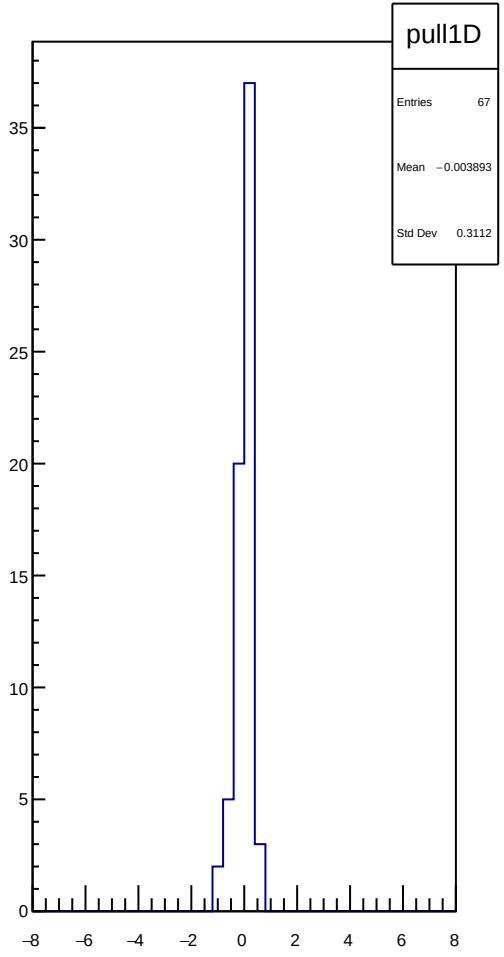

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 37.03 / 66
p0 227.6 ± 2.121
pull
Entries 67
Mean 24.15
Std Dev 64.43

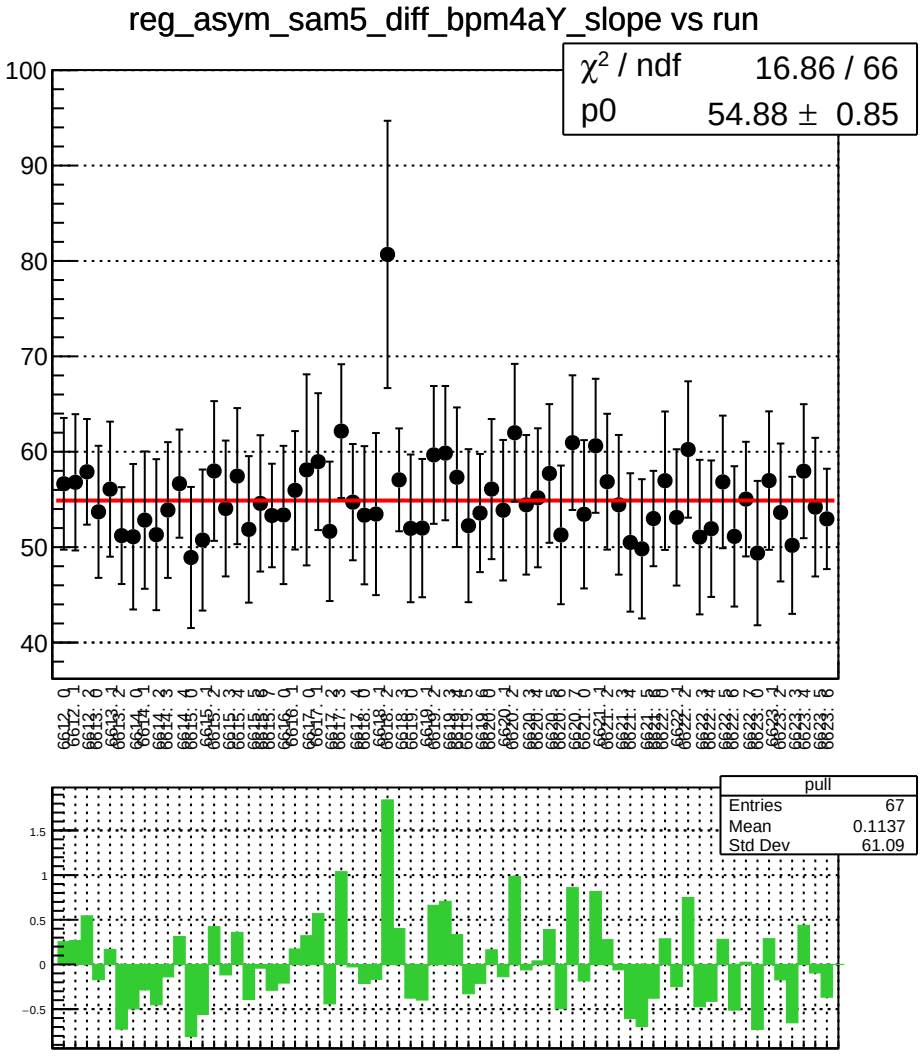

pull1D
Entries 67
Mean 0.007977
Std Dev 0.7434

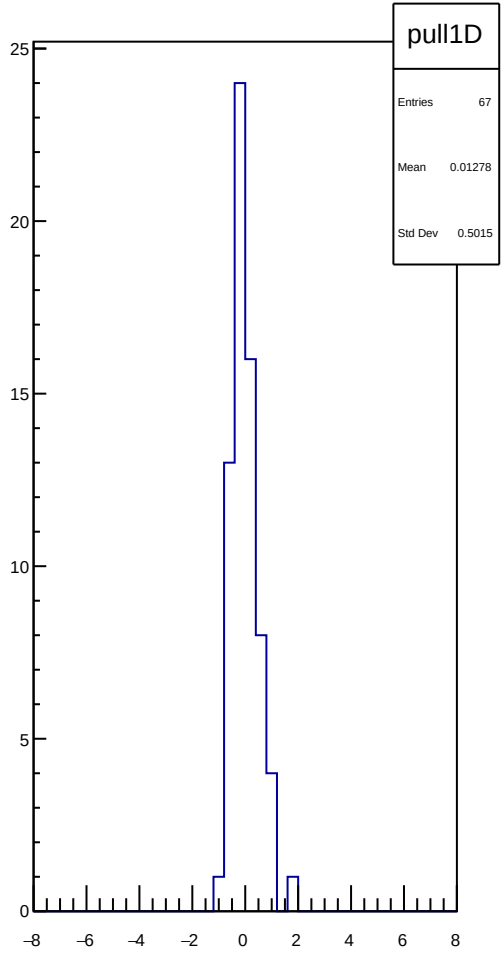

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 4.47 / 66
p0 0.05965 ± 0.1099
pull
Entries 67
Mean −462.2
Std Dev 504.1

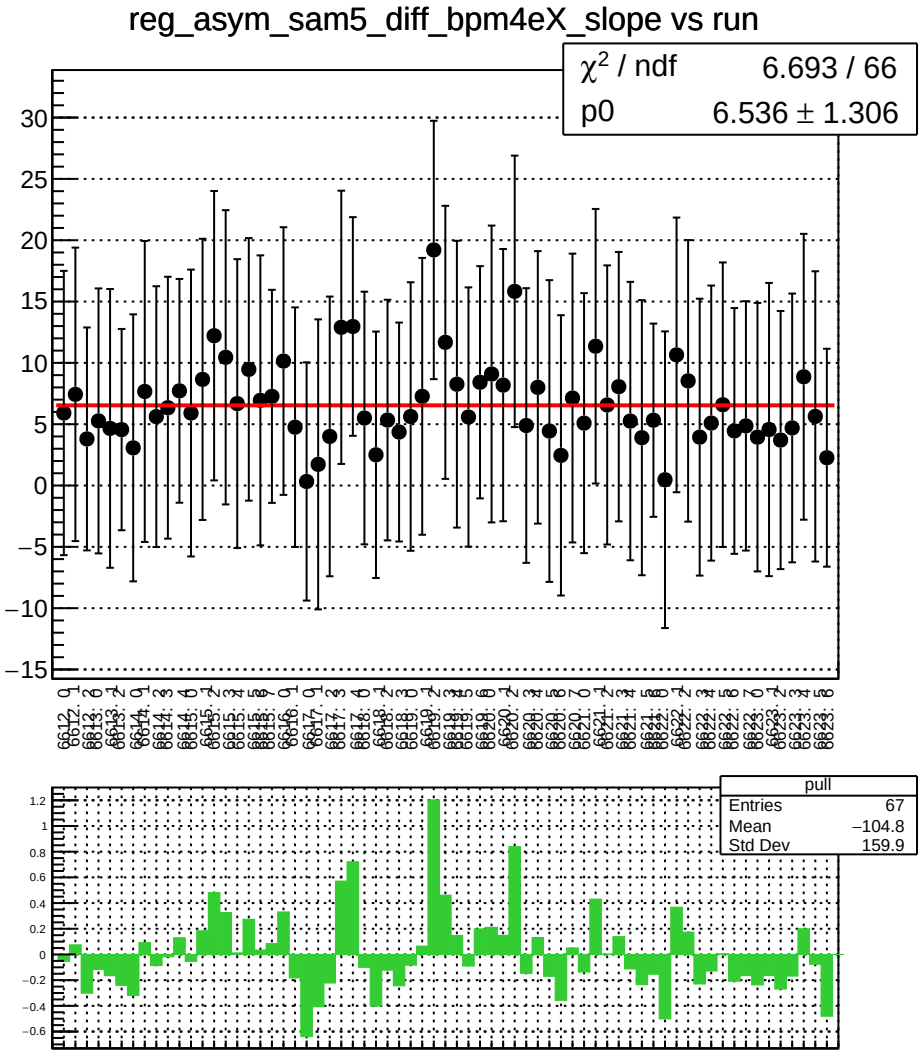

pull1D
Entries 67
Mean −0.00449
Std Dev 0.2583

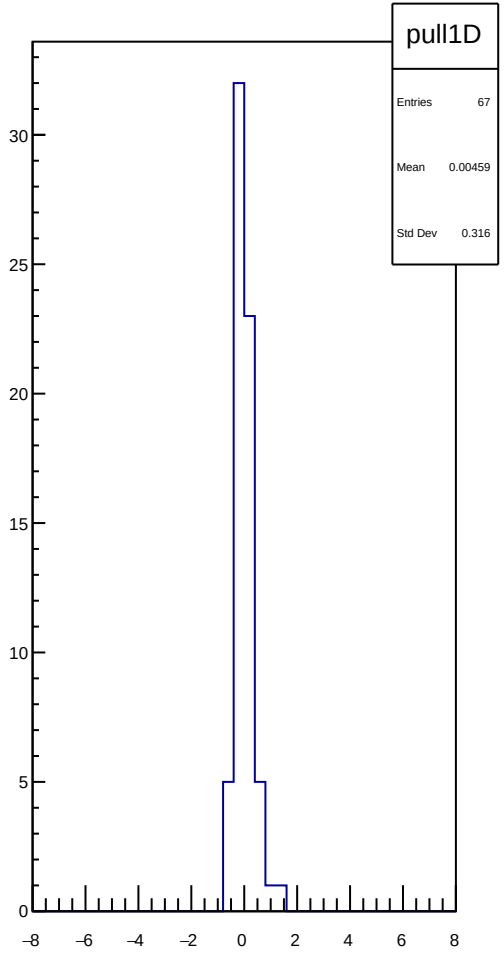

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 6.488 / 66
p0 −2.105 ± 1.223
pull
Entries 67
Mean −211.8
Std Dev 260.6

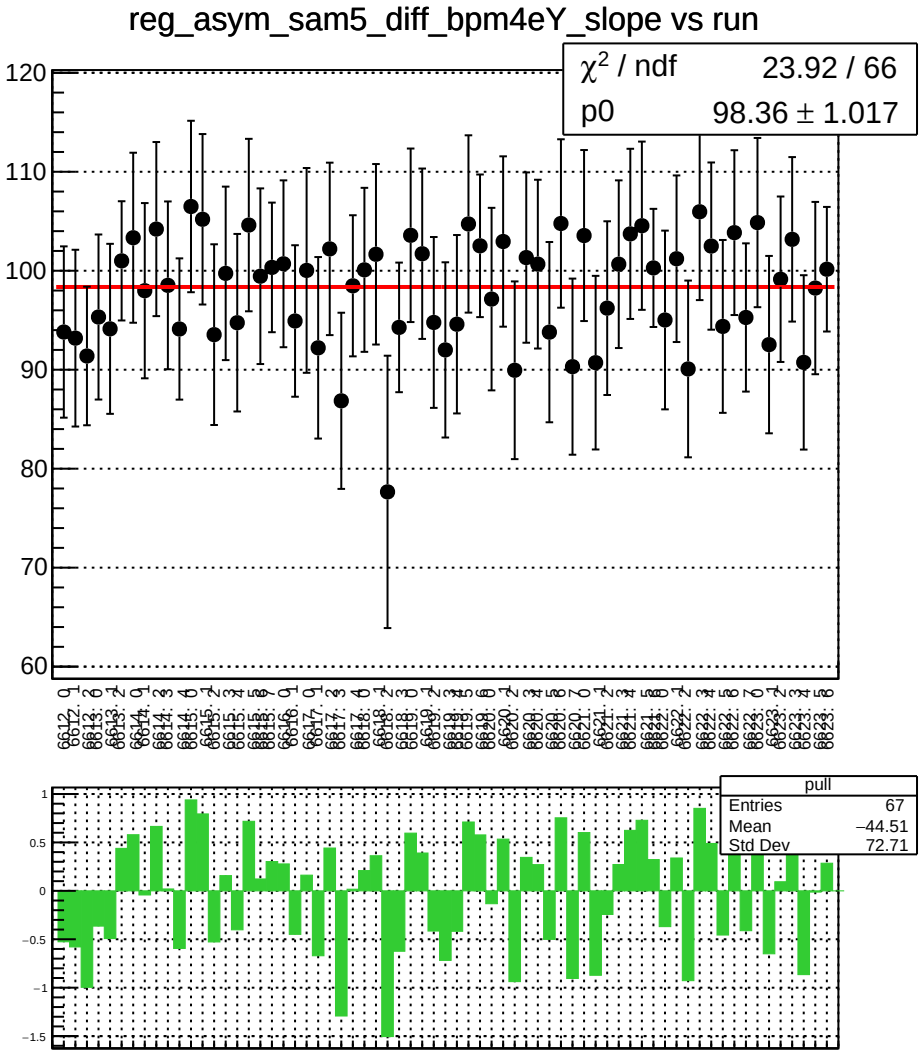

pull1D
Entries 67
Mean −0.003893
Std Dev 0.3112

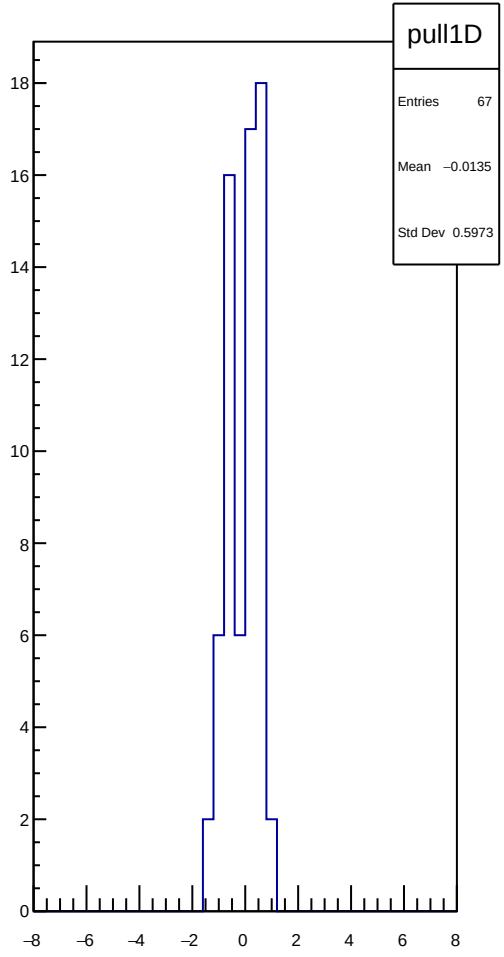

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 16.86 / 66
p0 54.88 ± 0.85
pull
Entries 67
Mean 0.1137
Std Dev 61.09

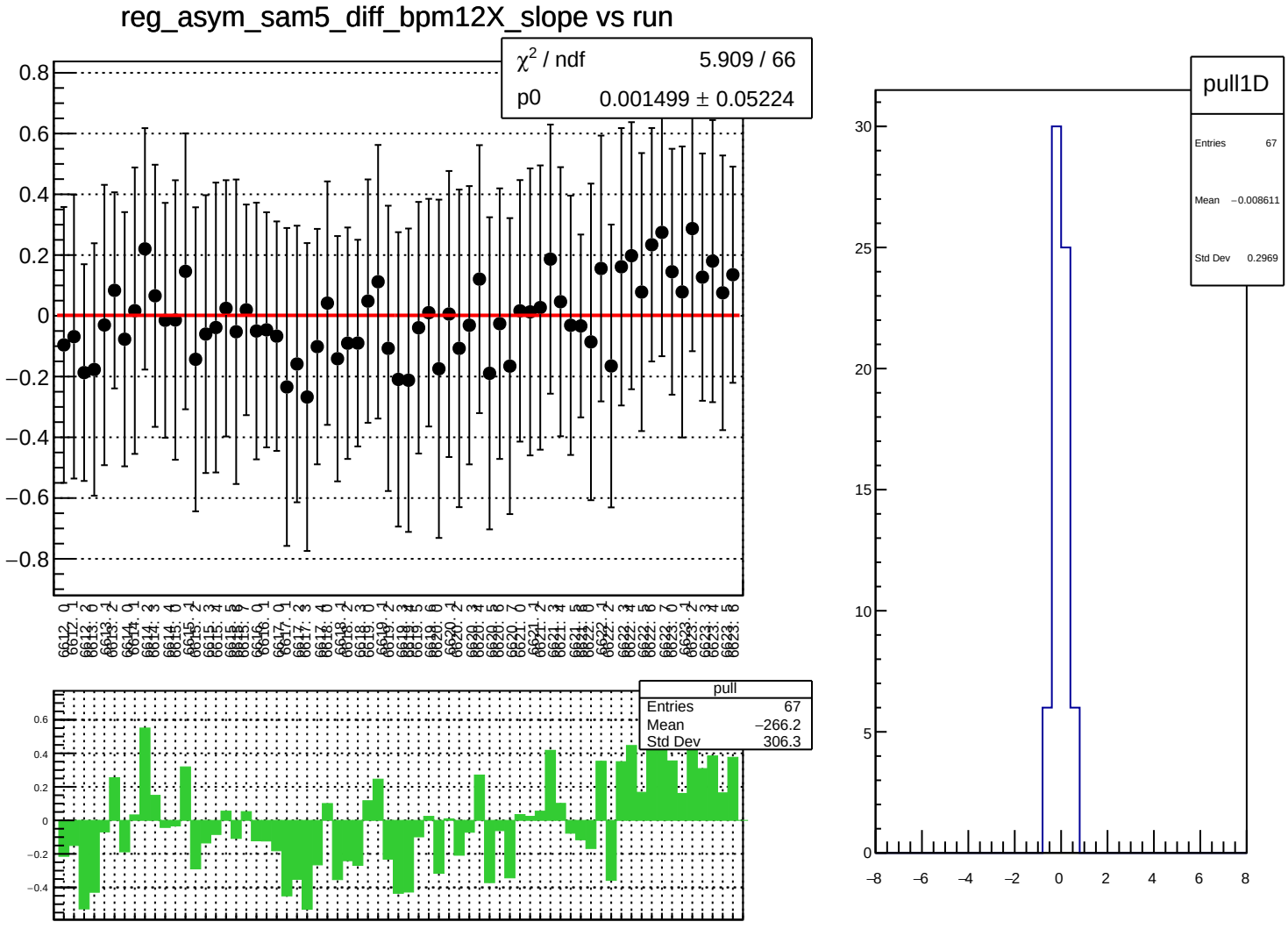

pull1D
Entries 67
Mean 0.01278
Std Dev 0.5015

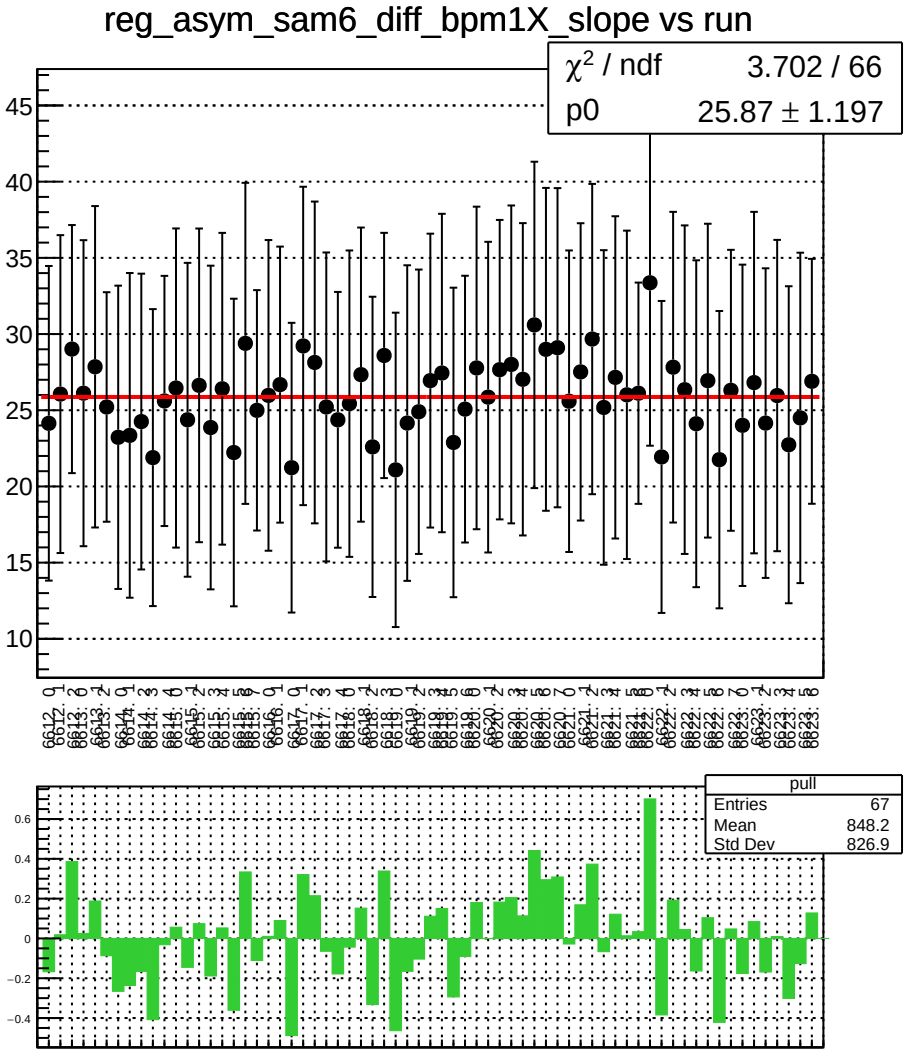

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 6.693 / 66
p0 6.536 ± 1.306
pull
Entries 67
Mean −104.8
Std Dev 159.9

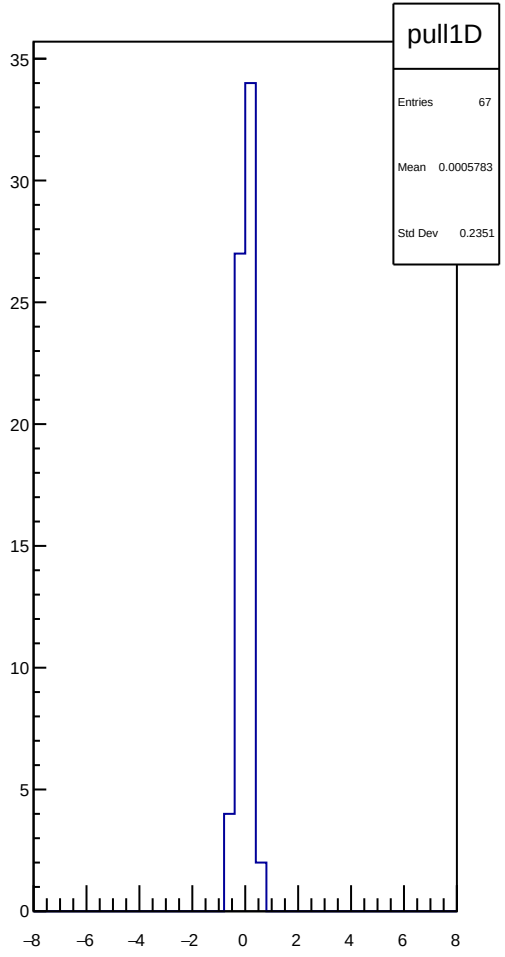

pull1D
Entries 67
Mean 0.00459
Std Dev 0.316

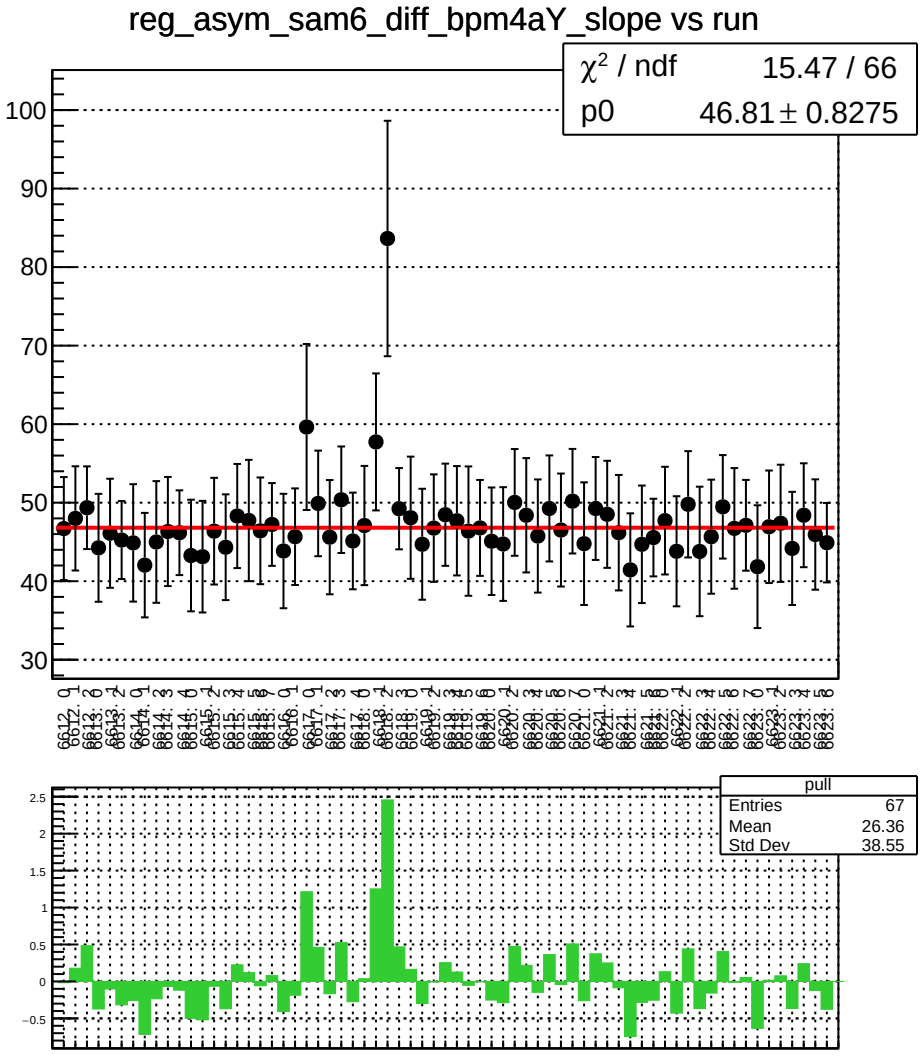

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 23.92 / 66
p0 98.36 ± 1.017
pull
Entries 67
Mean −44.51
Std Dev 72.71

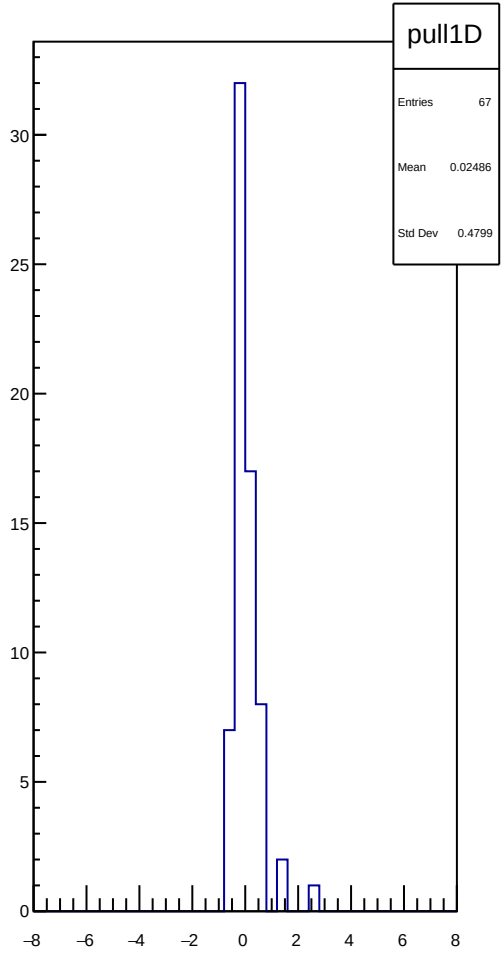

pull1D
Entries 67
Mean −0.0135
Std Dev 0.5973

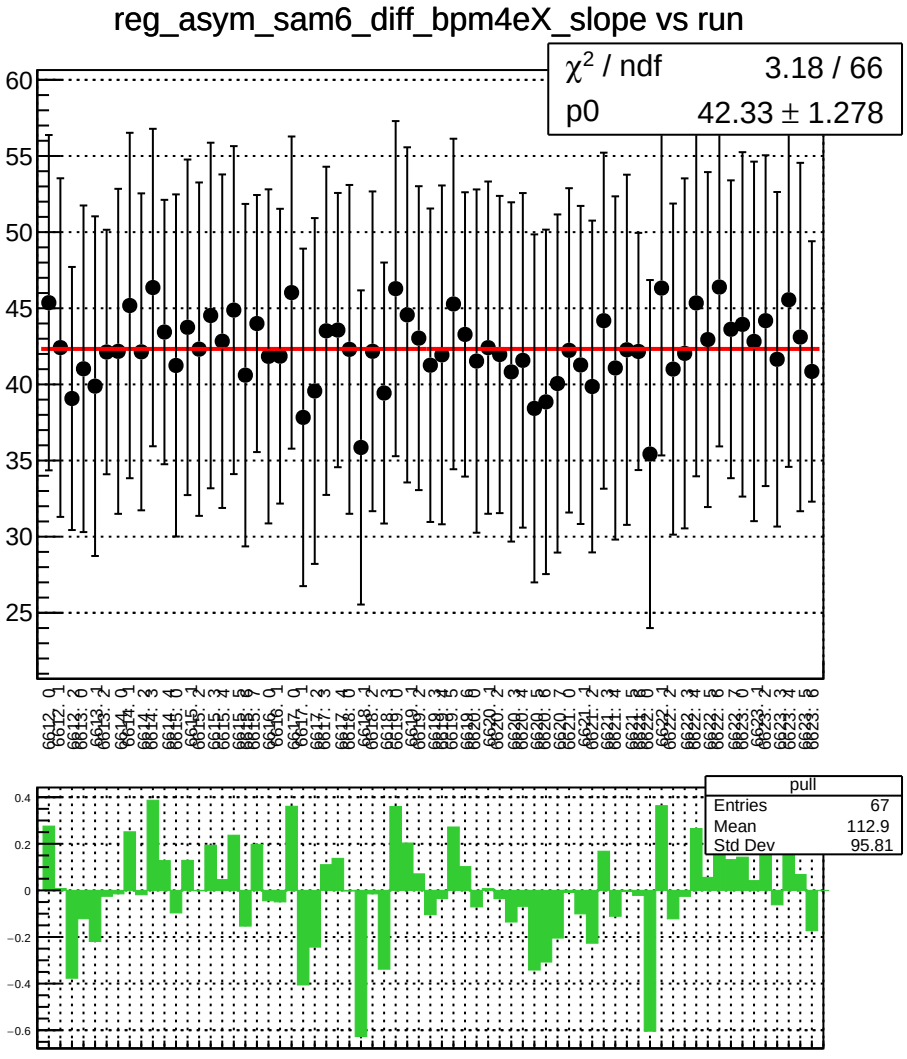

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 5.909 / 66
p0 0.001499 ± 0.05224
pull
Entries 67
Mean −266.2
Std Dev 306.3
pull1D
Entries 67
Mean −0.008611
Std Dev 0.2969

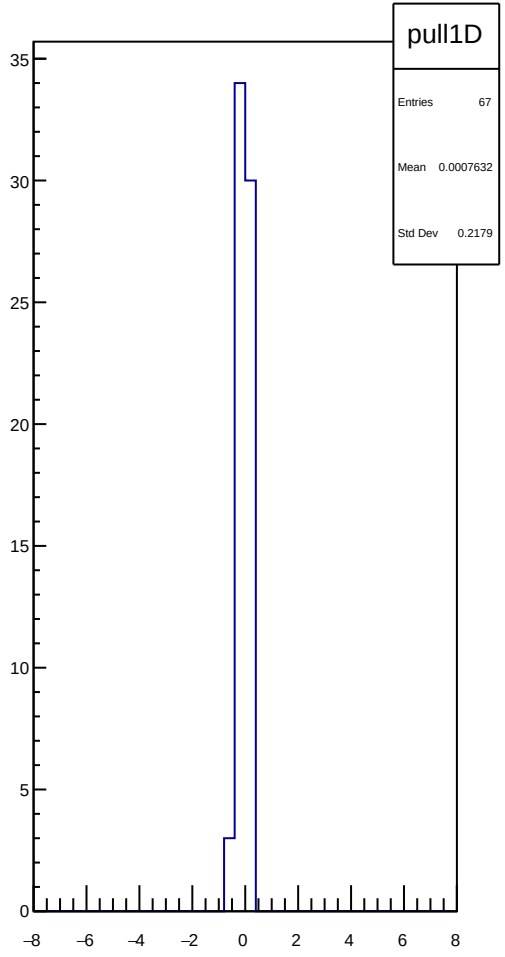

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 3.702 / 66
p0 25.87 ± 1.197
pull
Entries 67
Mean 848.2
Std Dev 826.9

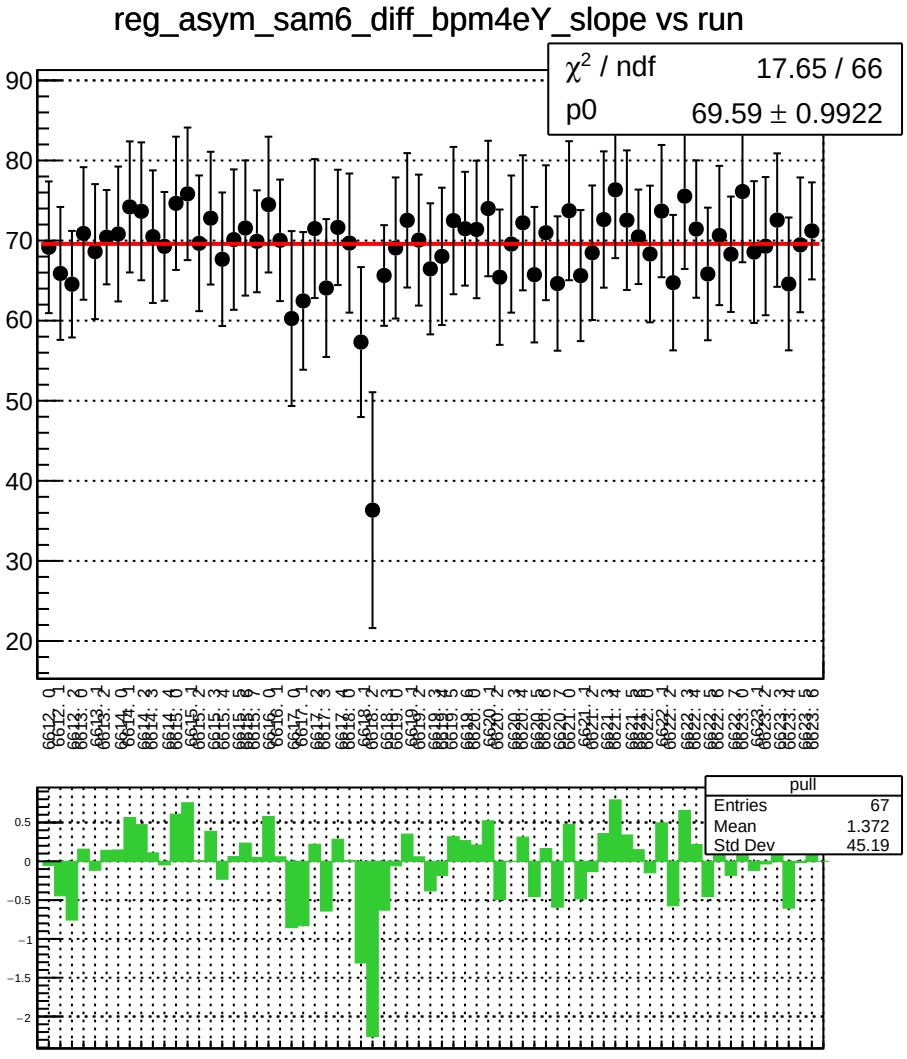

pull1D
Entries 67
Mean 0.0005783
Std Dev 0.2351

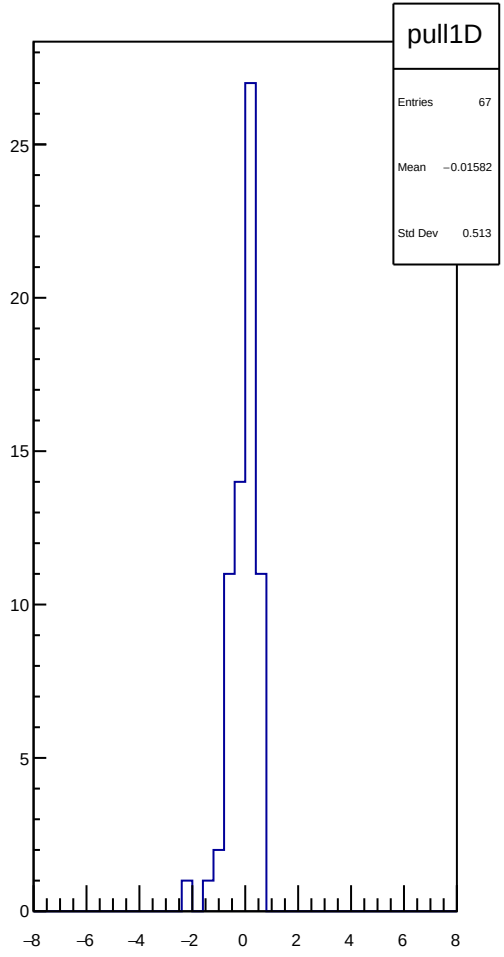

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 15.47 / 66
p0 46.81 ± 0.8275
pull
Entries 67
Mean 26.36
Std Dev 38.55

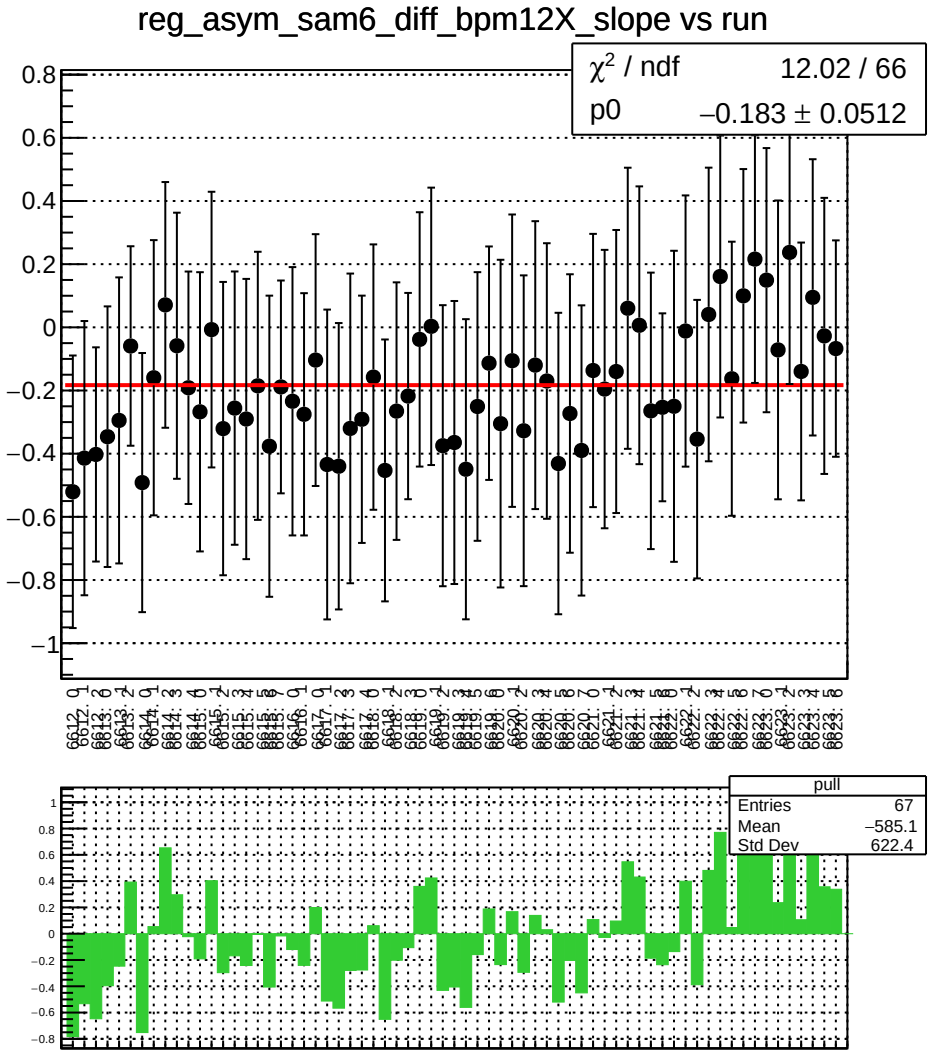

pull1D
Entries 67
Mean 0.02486
Std Dev 0.4799

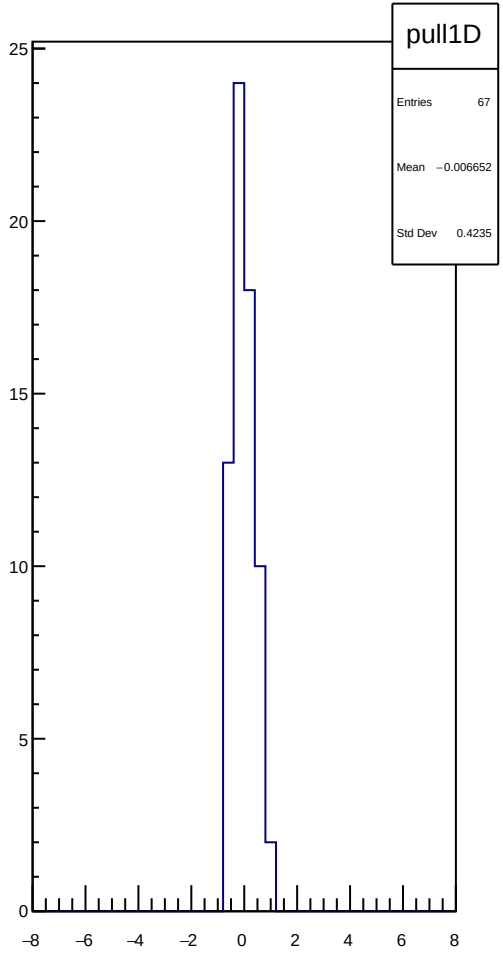

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 3.18 / 66
p0 42.33 ± 1.278
pull
Entries 67
Mean 112.9
Std Dev 95.81

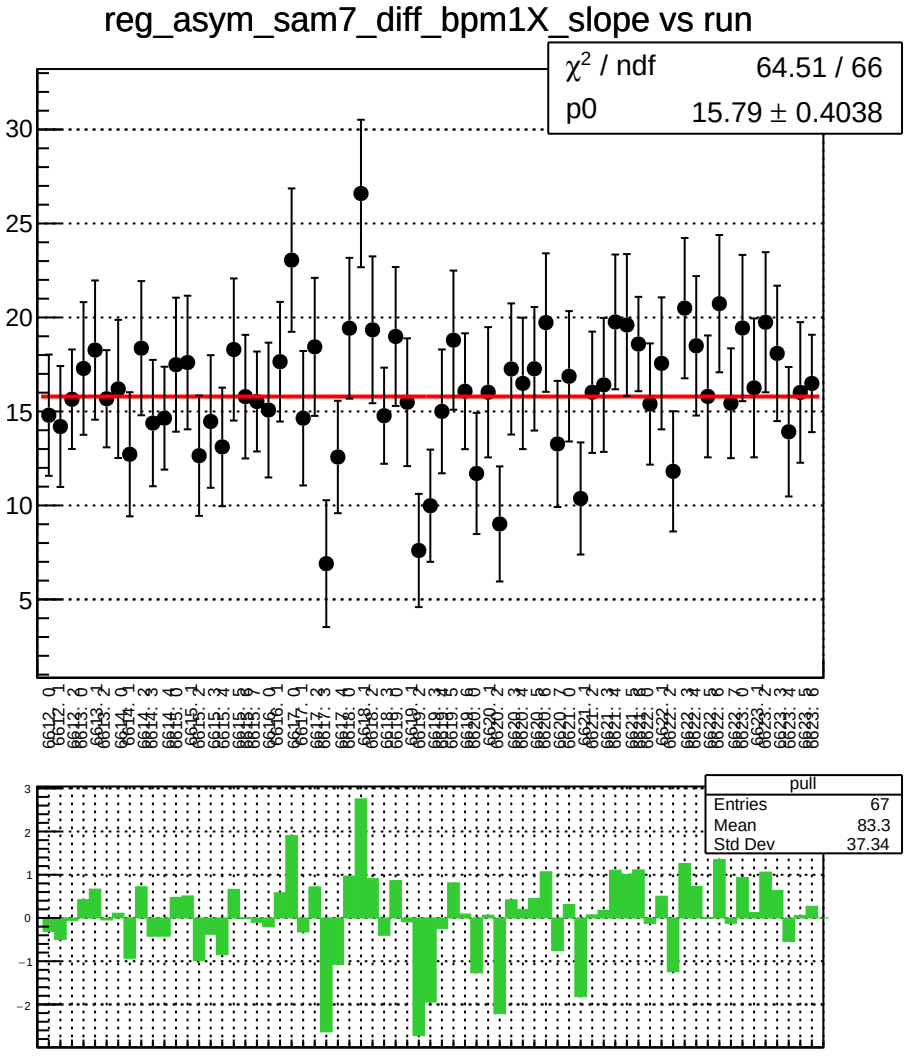

pull1D
Entries 67
Mean 0.0007632
Std Dev 0.2179

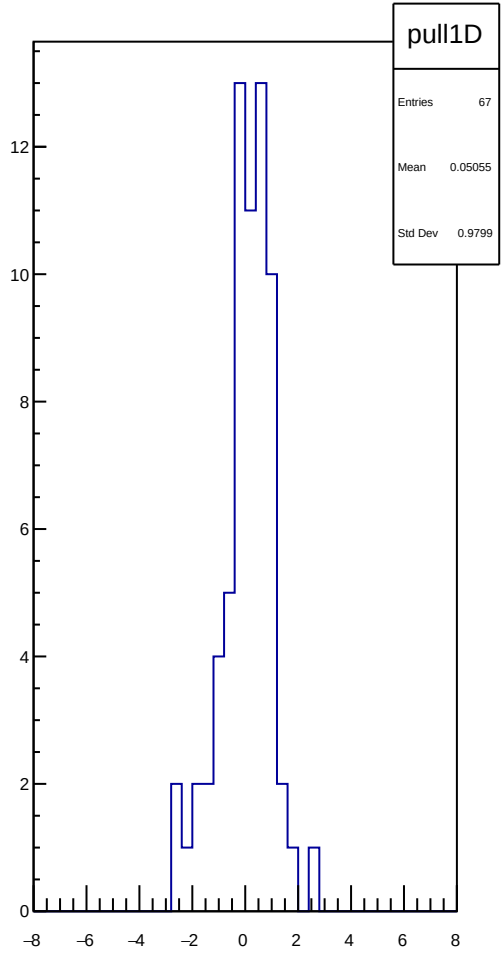

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 17.65 / 66
p0 69.59 ± 0.9922
pull
Entries 67
Mean 1.372
Std Dev 45.19

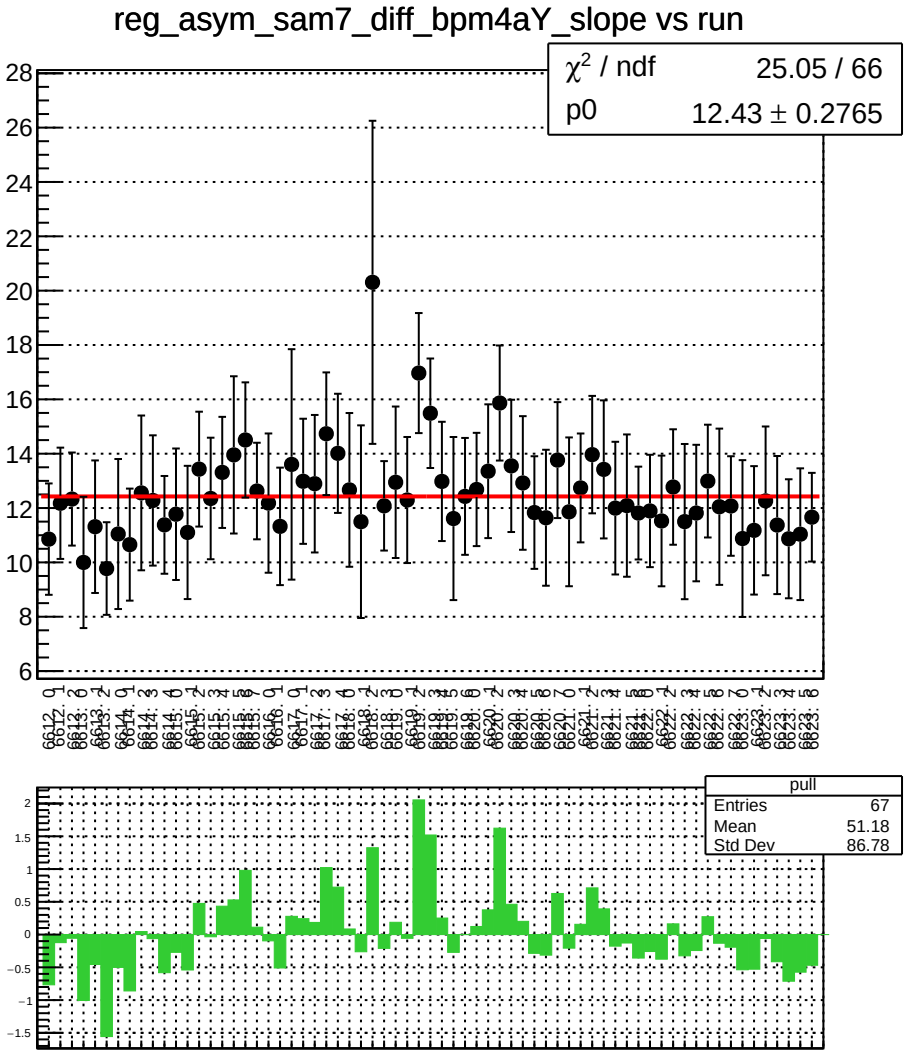

pull1D
Entries 67
Mean −0.01582
Std Dev 0.513

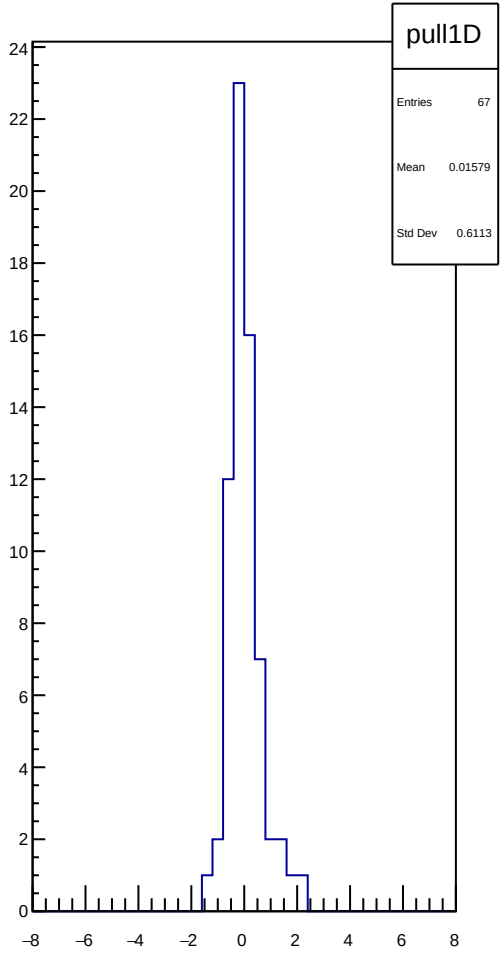

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 12.02 / 66
p0 −0.183 ± 0.0512
pull
Entries 67
Mean −585.1
Std Dev 622.4

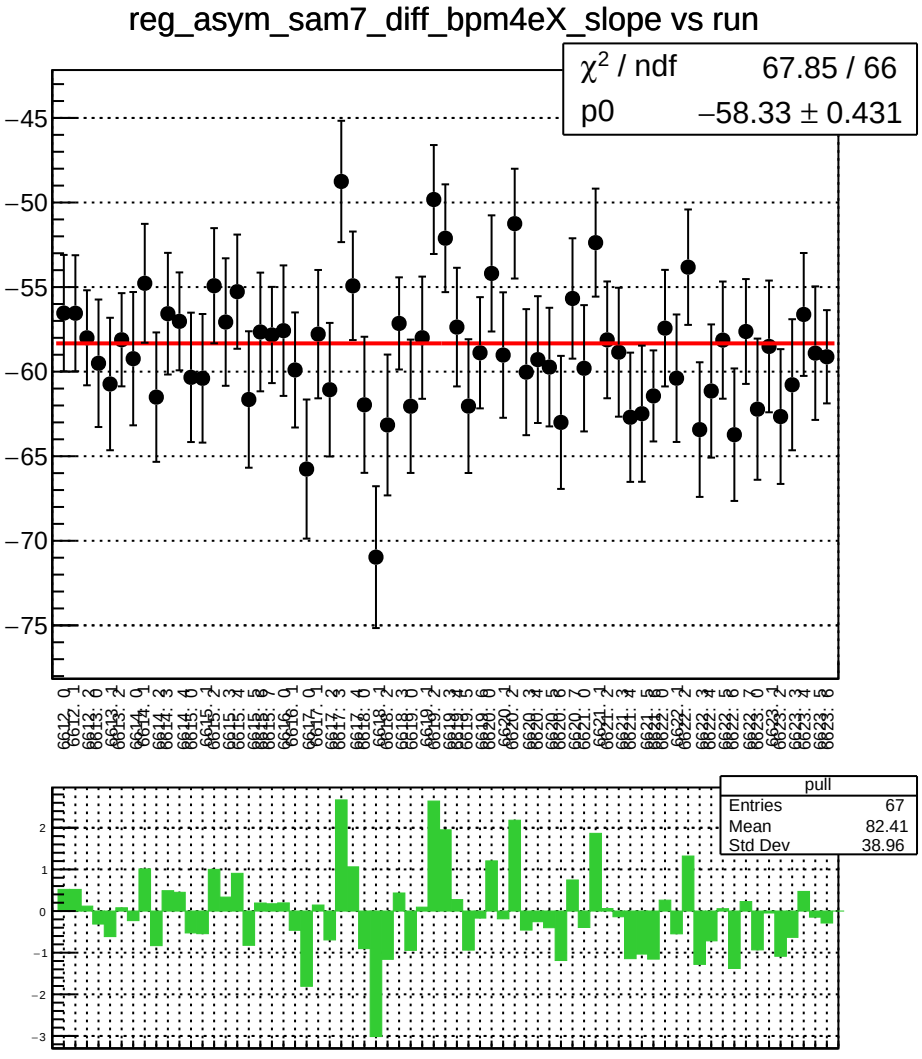

pull1D
Entries 67
Mean −0.006652
Std Dev 0.4235

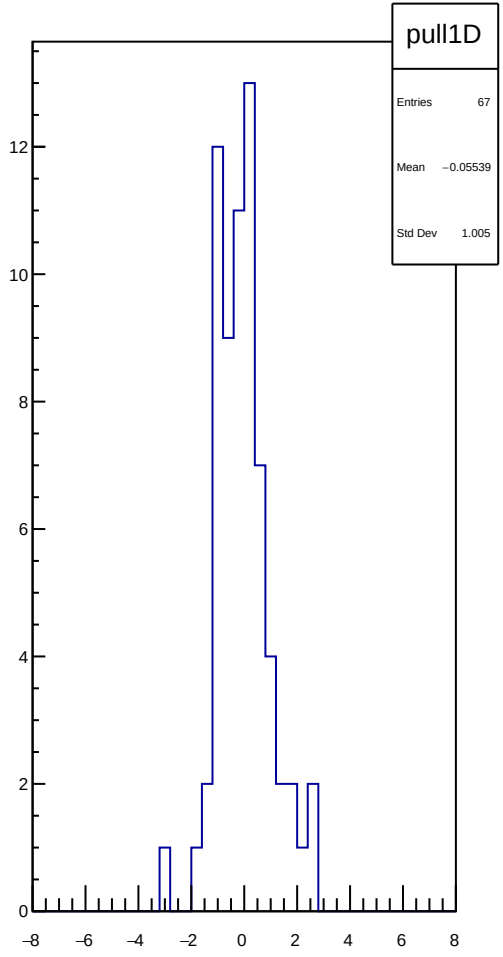

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 64.51 / 66
p0 15.79 ± 0.4038
pull
Entries 67
Mean 83.3
Std Dev 37.34

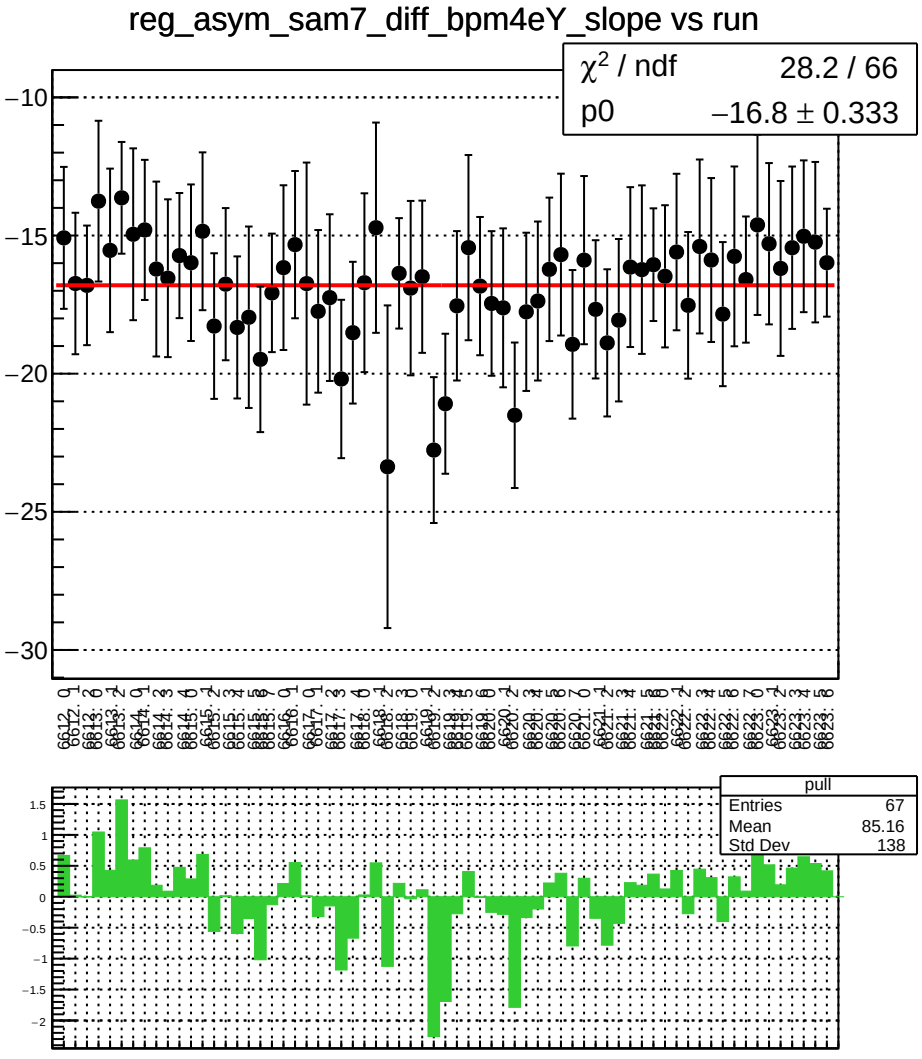

pull1D
Entries 67
Mean 0.05055
Std Dev 0.9799

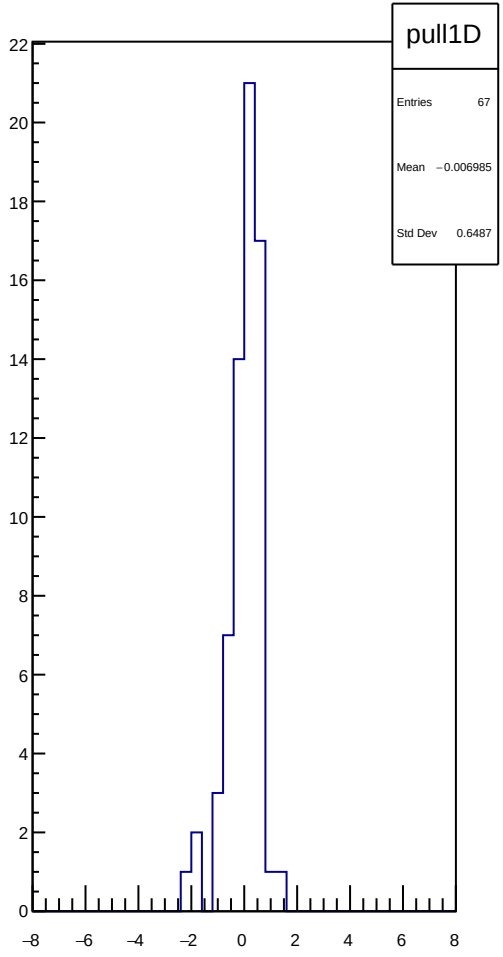

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 25.05 / 66
p0 12.43 ± 0.2765
pull
Entries 67
Mean 51.18
Std Dev 86.78

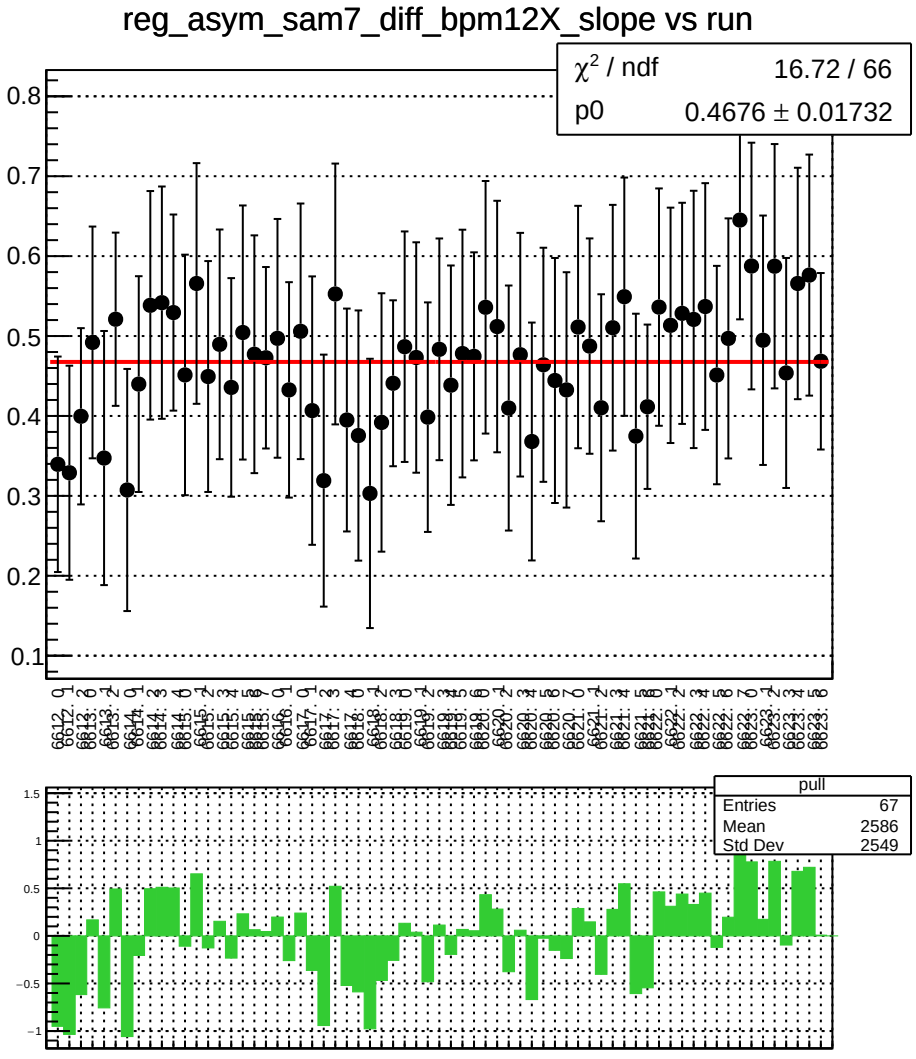

pull1D
Entries 67
Mean 0.01579
Std Dev 0.6113

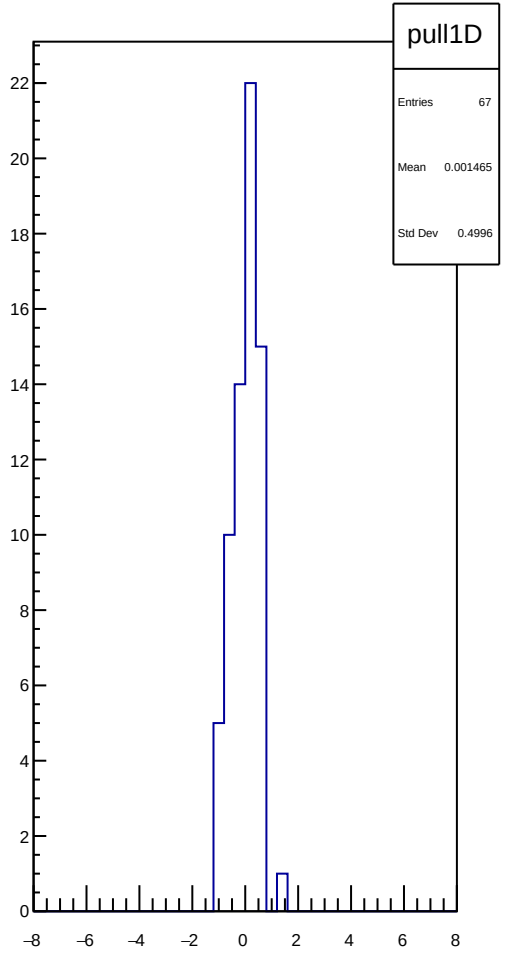

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 67.85 / 66
p0 −58.33 ± 0.431
pull
Entries 67
Mean 82.41
Std Dev 38.96

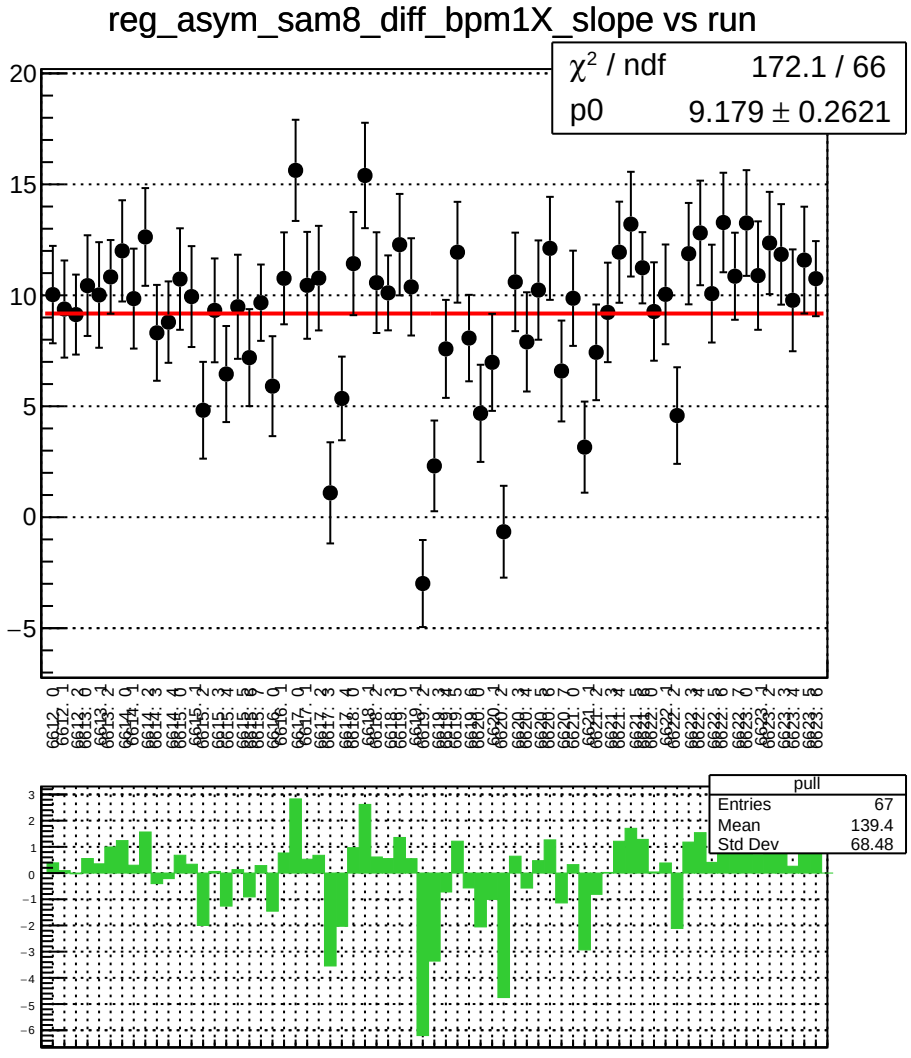

pull1D
Entries 67
Mean −0.05539
Std Dev 1.005

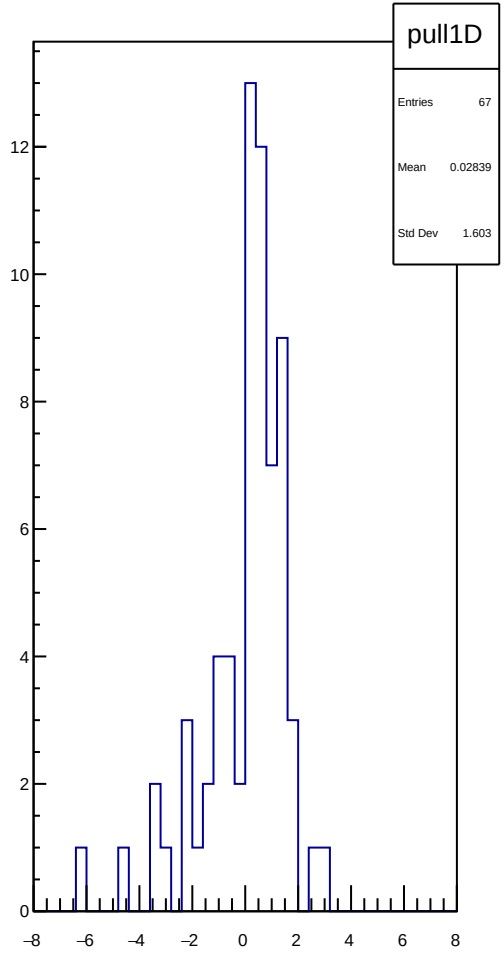

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 28.2 / 66
p0 −16.8 ± 0.333
pull
Entries 67
Mean 85.16
Std Dev 138

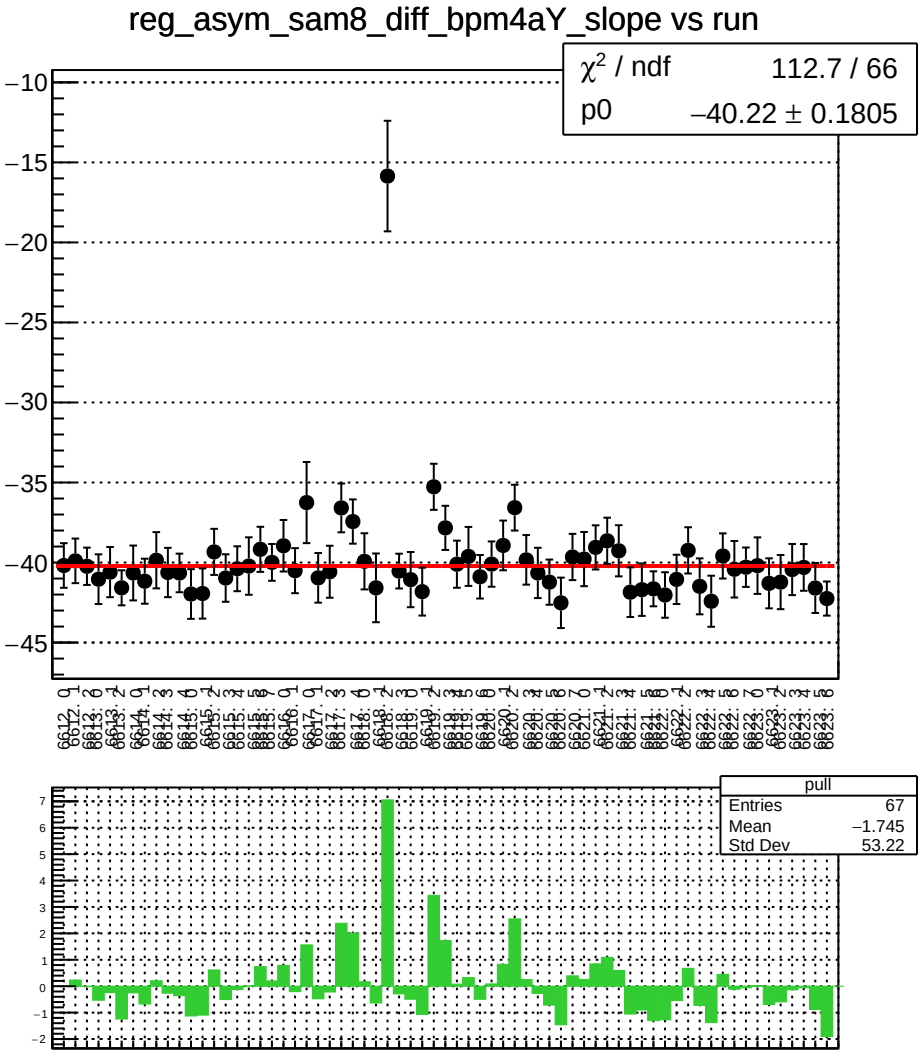

pull1D
Entries 67
Mean −0.006985
Std Dev 0.6487

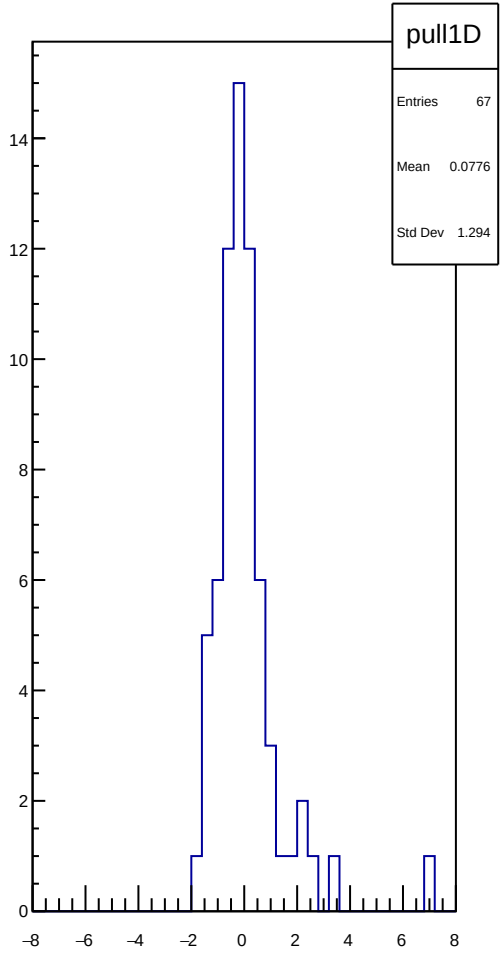

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 16.72 / 66
p0 0.4676 ± 0.01732
pull
Entries 67
Mean 2586
Std Dev 2549

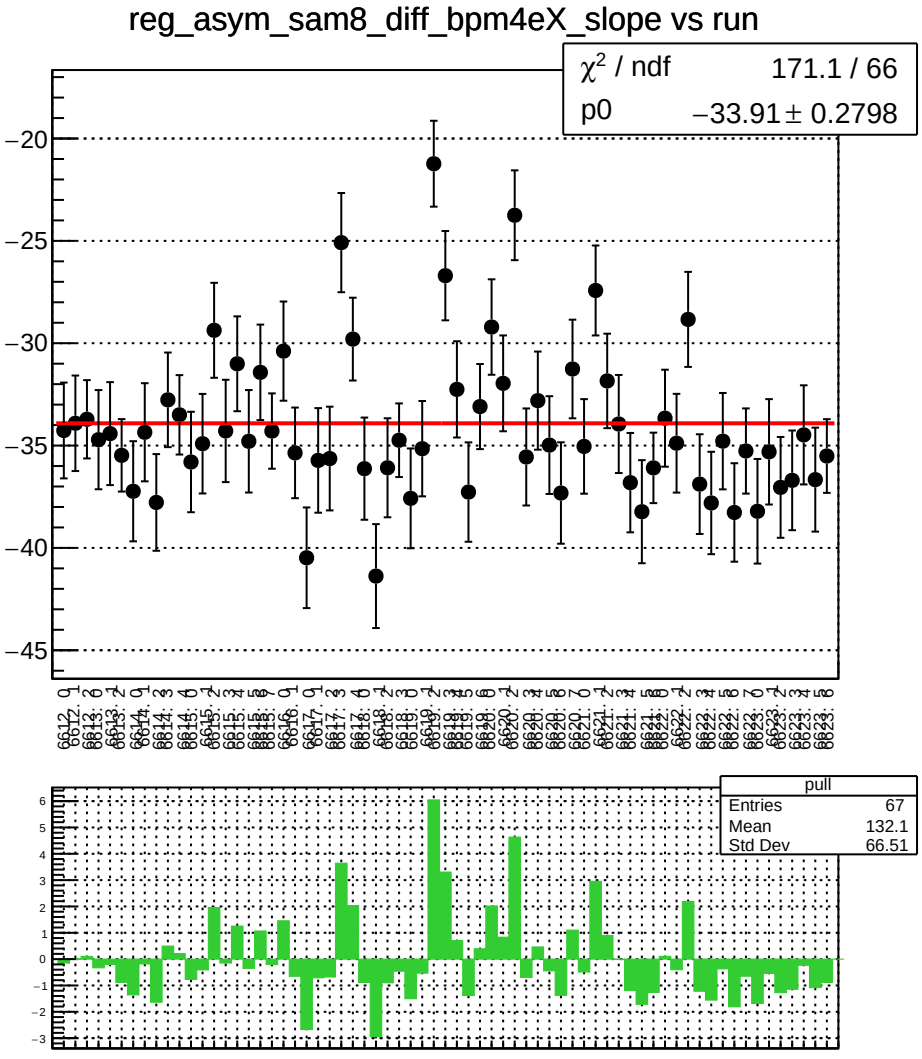

pull1D
Entries 67
Mean 0.001465
Std Dev 0.4996

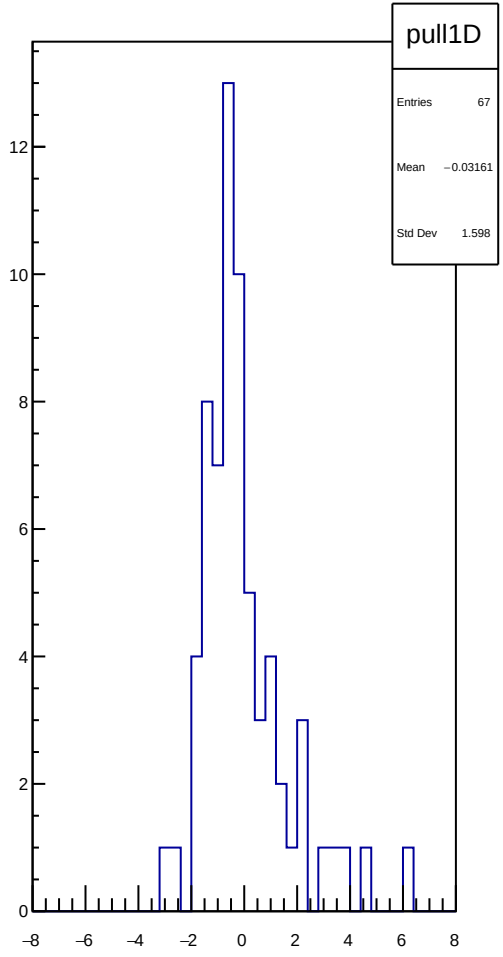

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 172.1 / 66
p0 9.179 ± 0.2621
pull
Entries 67
Mean 139.4
Std Dev 68.48

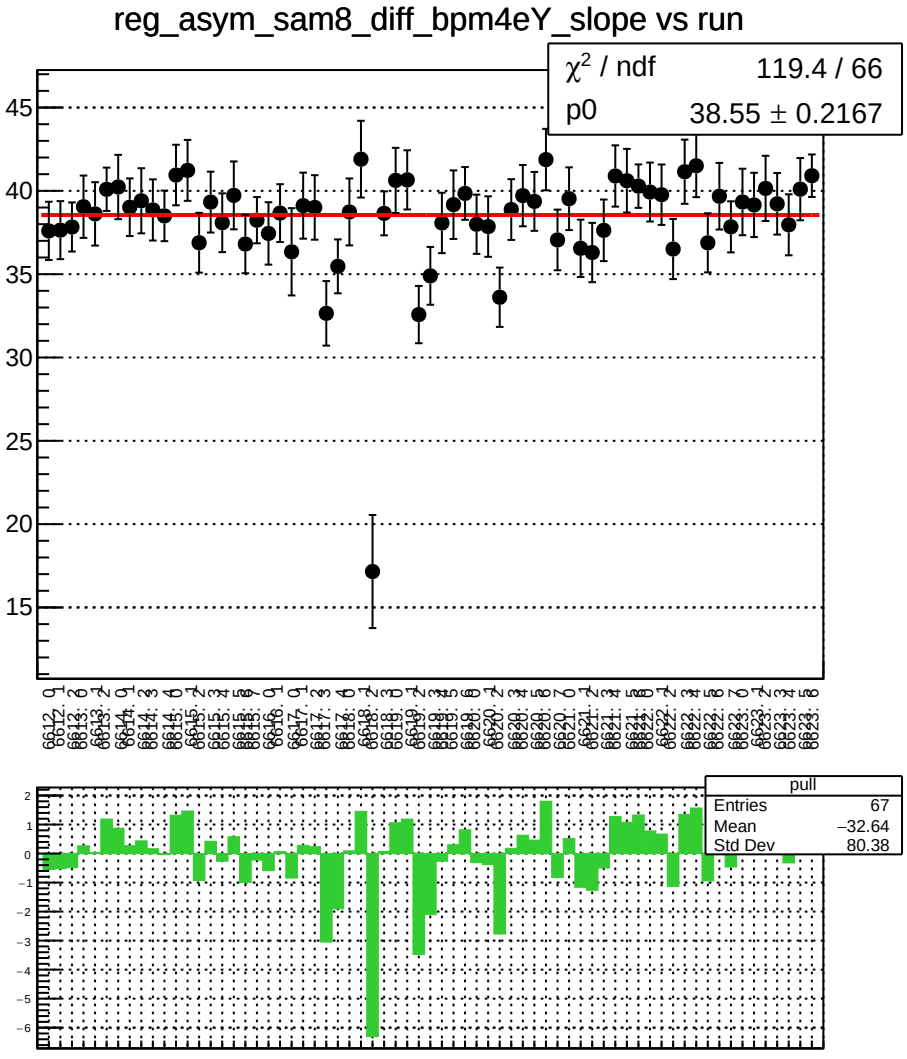

pull1D
Entries 67
Mean 0.02839
Std Dev 1.603

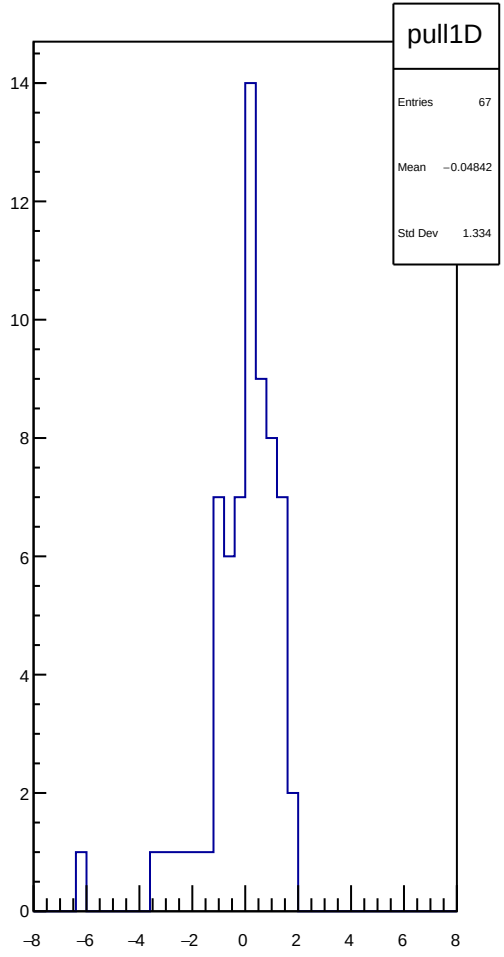

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 112.7 / 66
p0 −40.22 ± 0.1805
pull
Entries 67
Mean −1.745
Std Dev 53.22

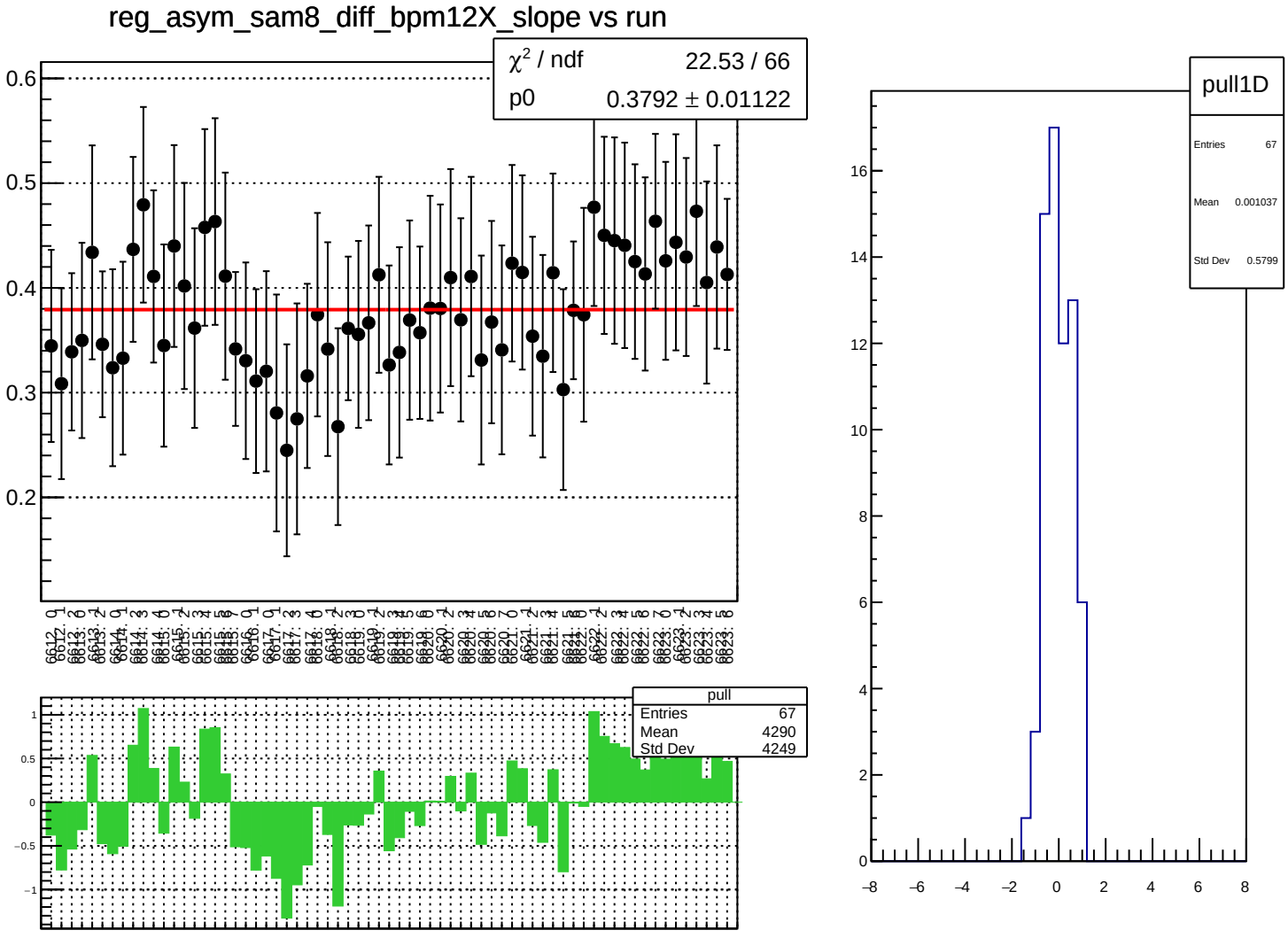

pull1D
Entries 67
Mean 0.0776
Std Dev 1.294

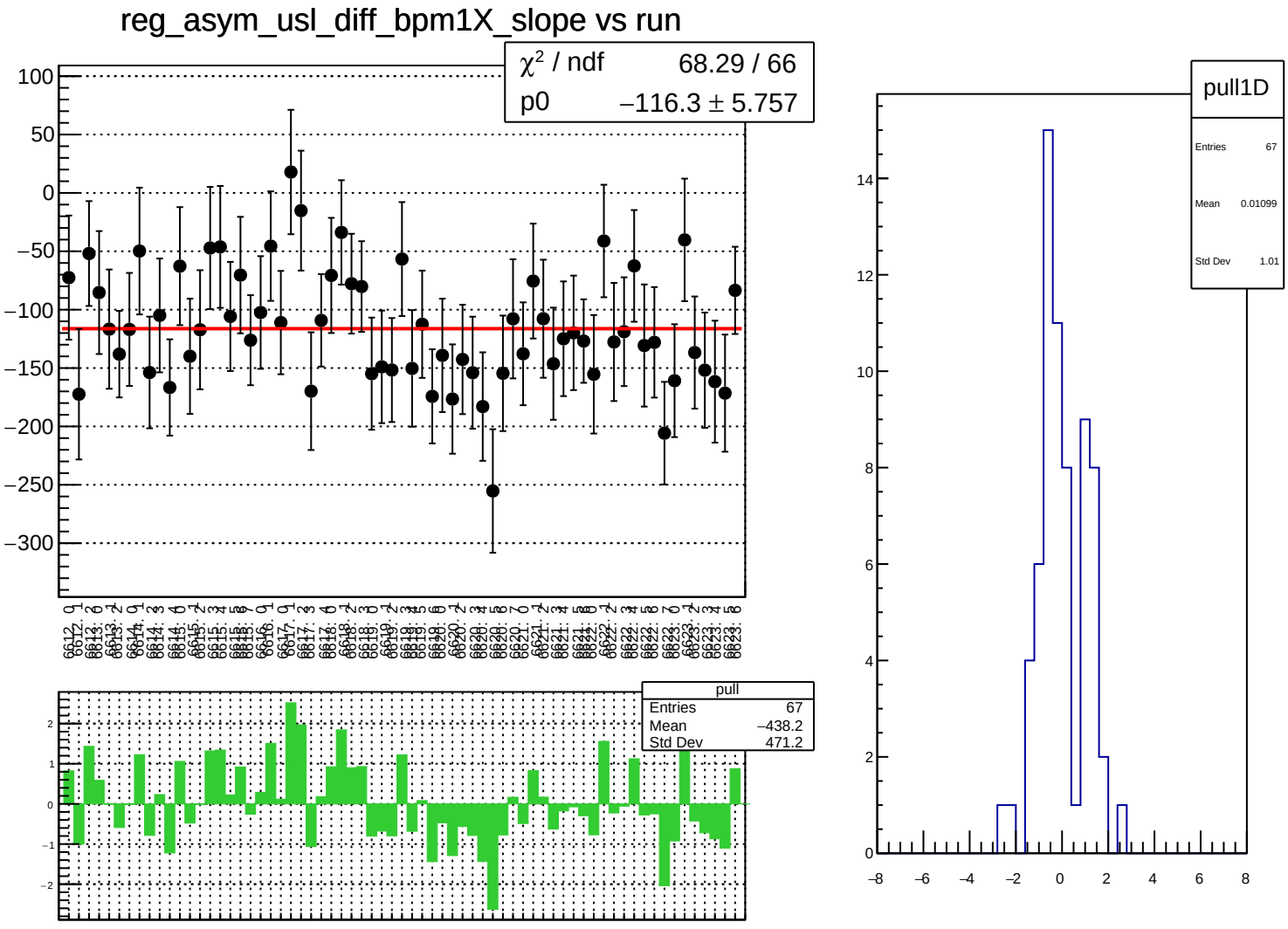

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 171.1 / 66
p0 −33.91 ± 0.2798
pull
Entries 67
Mean 132.1
Std Dev 66.51

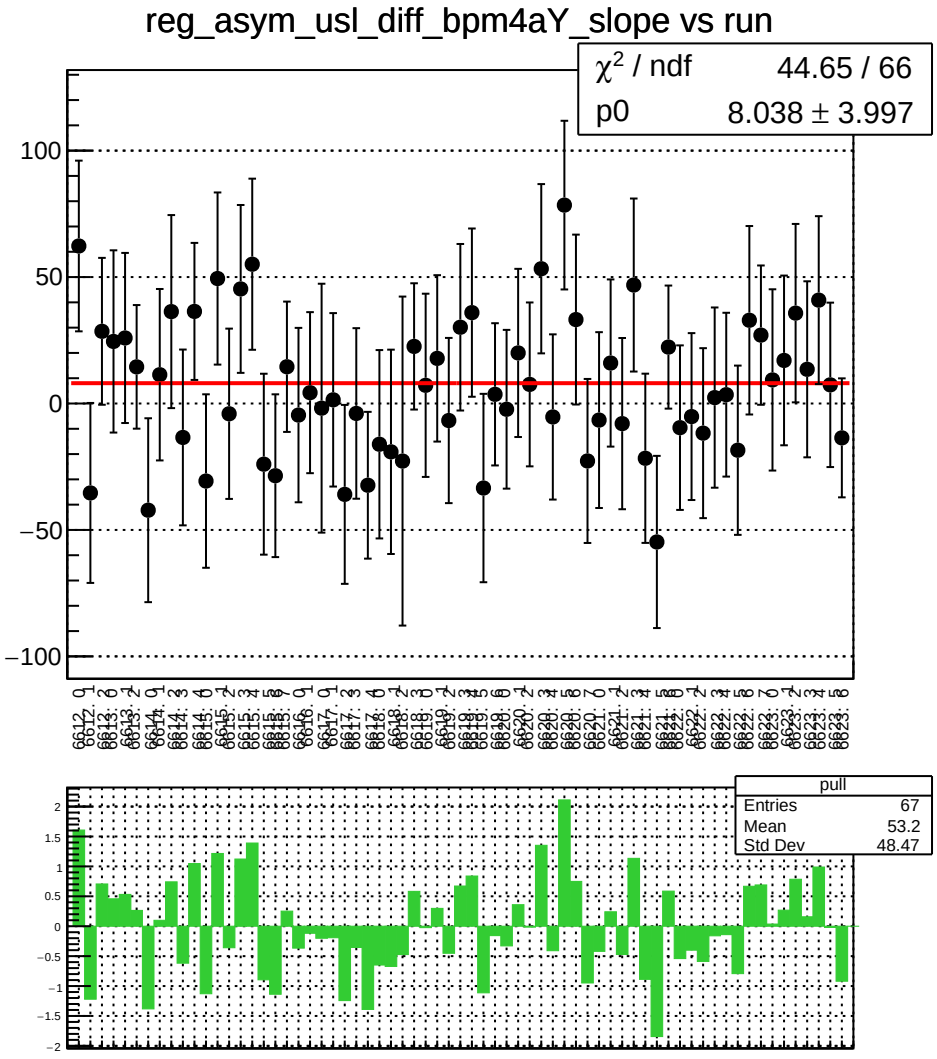

pull1D
Entries 67
Mean −0.03161
Std Dev 1.598

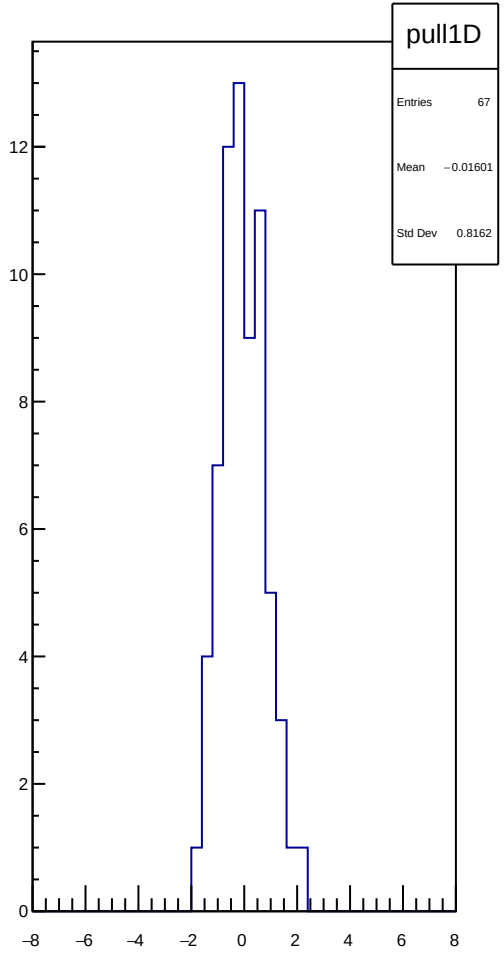

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 119.4 / 66
p0 38.55 ± 0.2167
pull
Entries 67
Mean −32.64
Std Dev 80.38

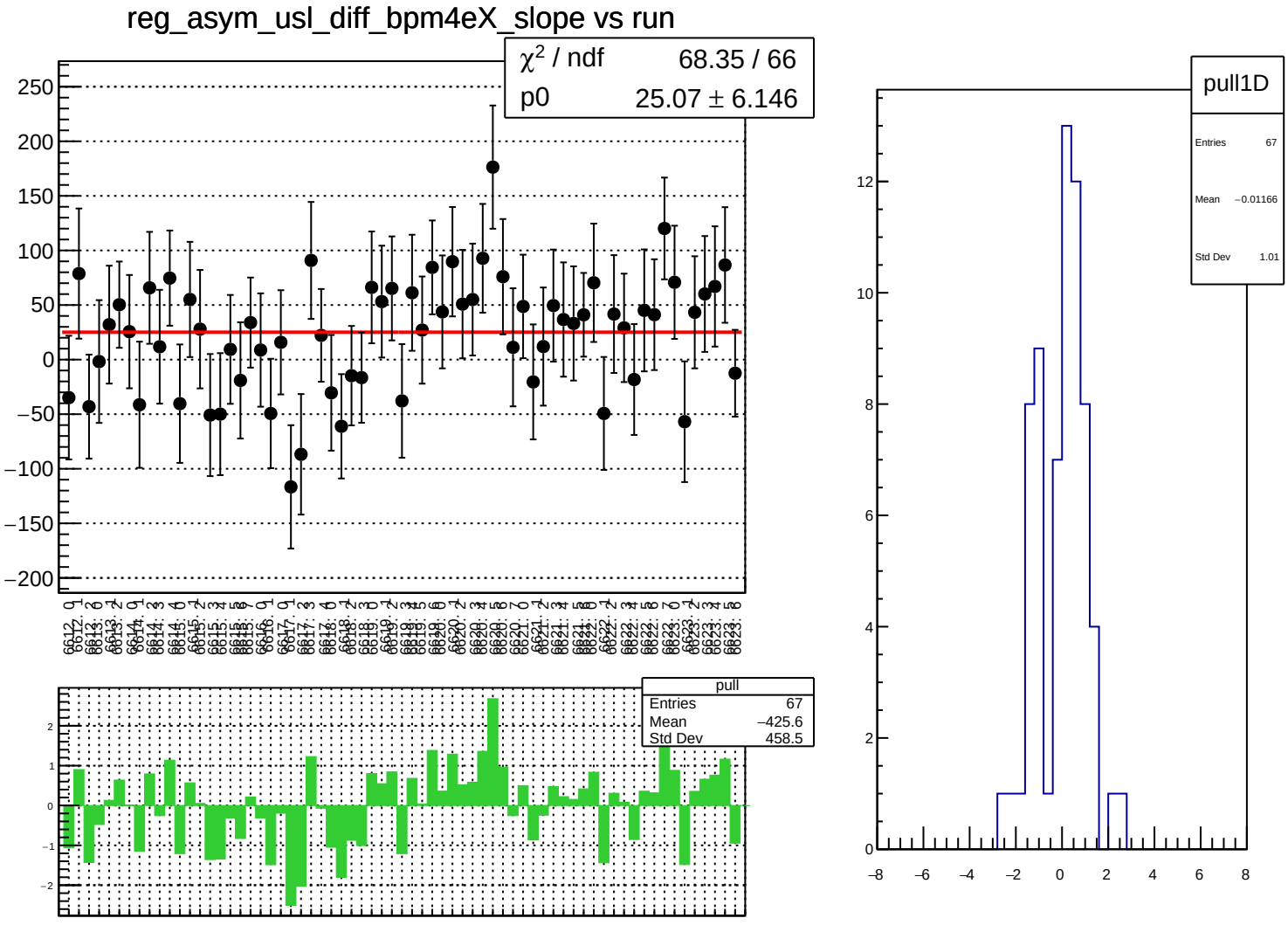

pull1D
Entries 67
Mean −0.04842
Std Dev 1.334

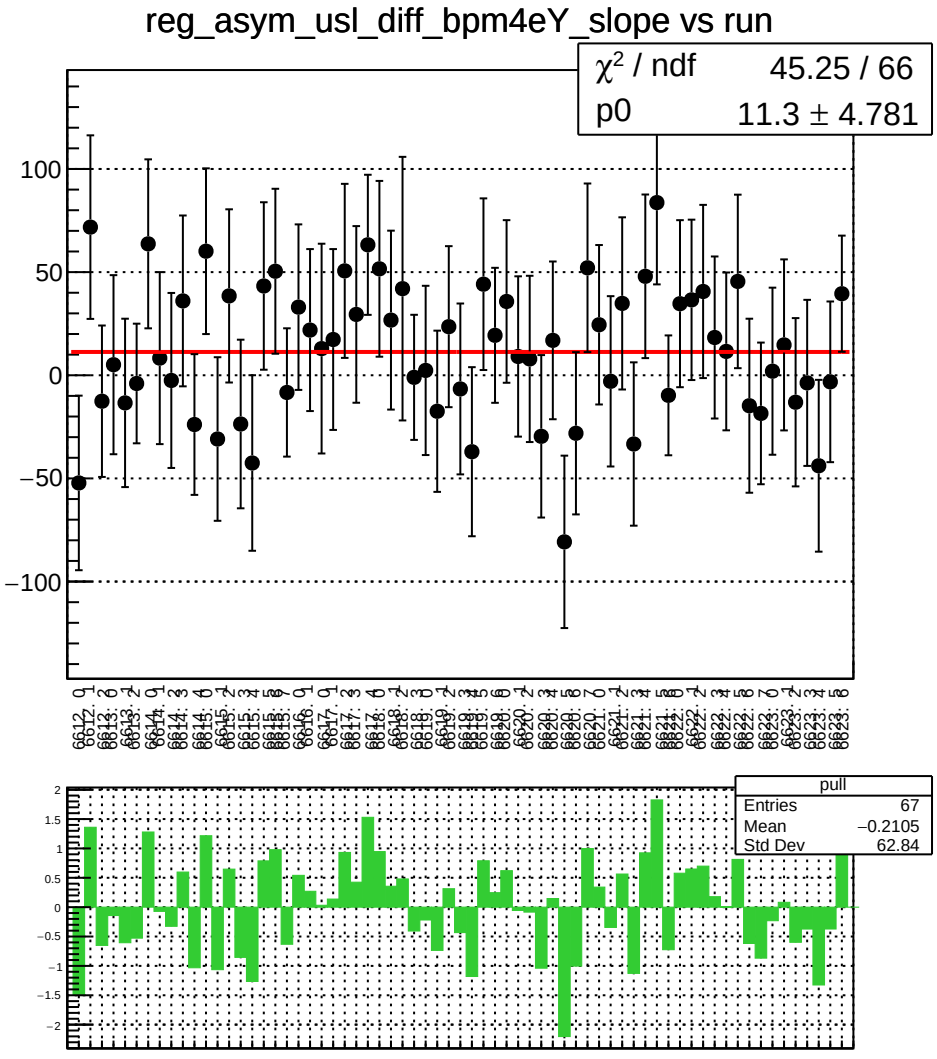

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 22.53 / 66
p0 0.3792 ± 0.01122
pull
Entries 67
Mean 4290
Std Dev 4249
pull1D
Entries 67
Mean 0.001037
Std Dev 0.5799

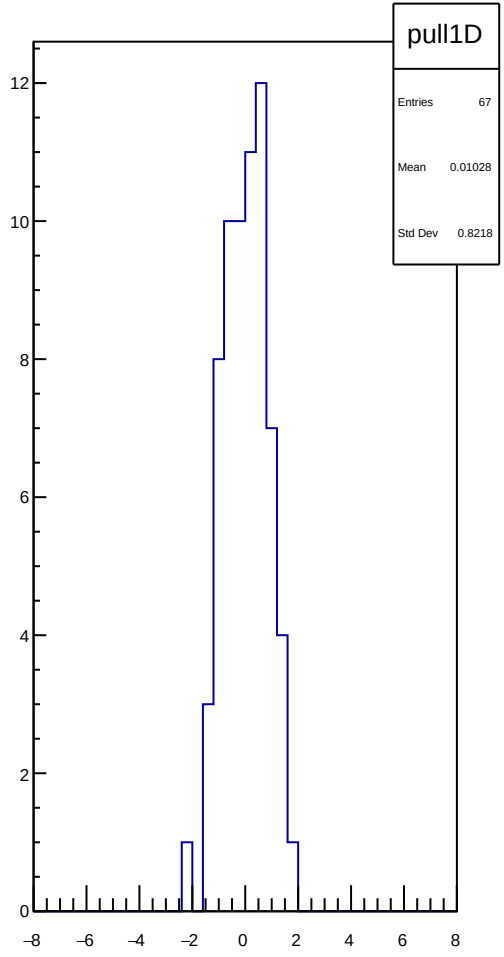

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 68.29 / 66
p0 −116.3 ± 5.757
pull
Entries 67
Mean −438.2
Std Dev 471.2
pull1D
Entries 67
Mean 0.01099
Std Dev 1.01

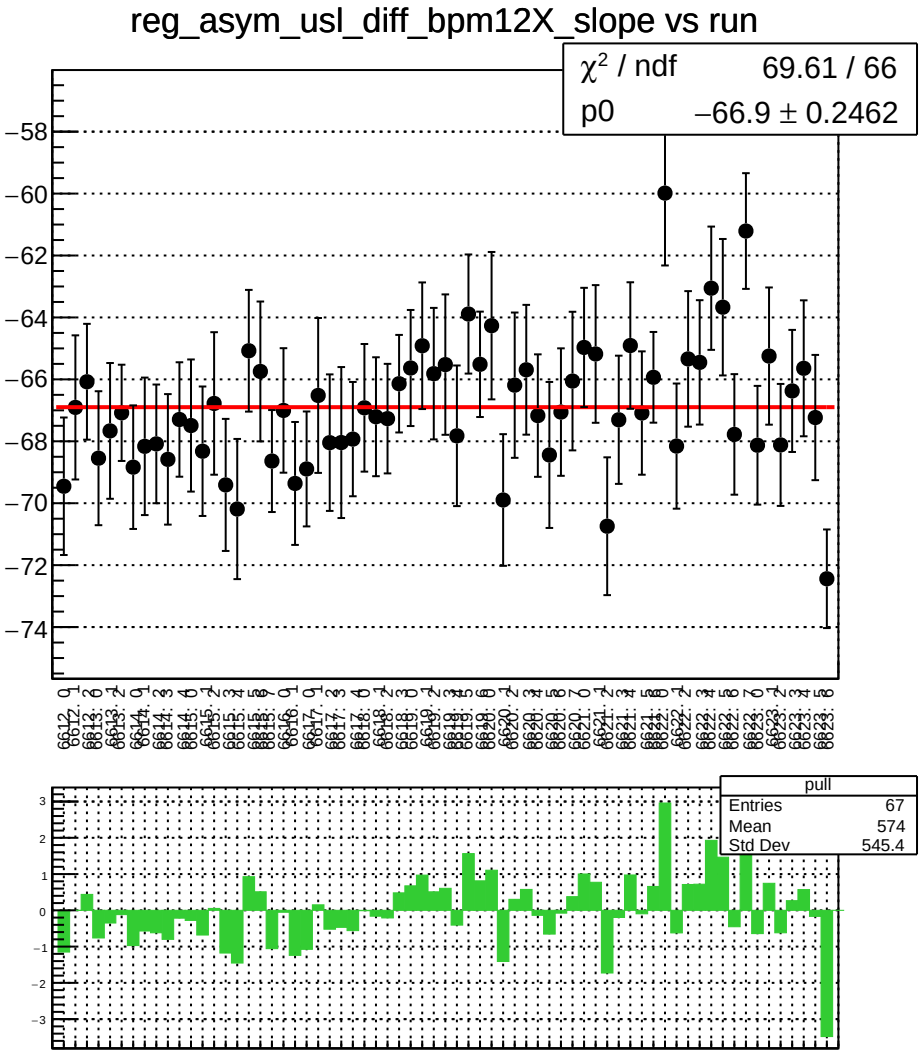

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 44.65 / 66
p0 8.038 ± 3.997
pull
Entries 67
Mean 53.2
Std Dev 48.47

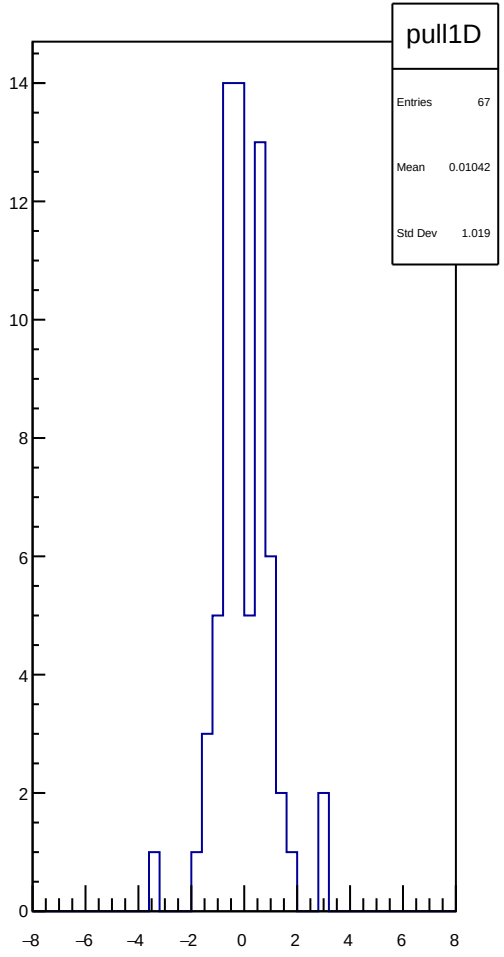

pull1D
Entries 67
Mean −0.01601
Std Dev 0.8162

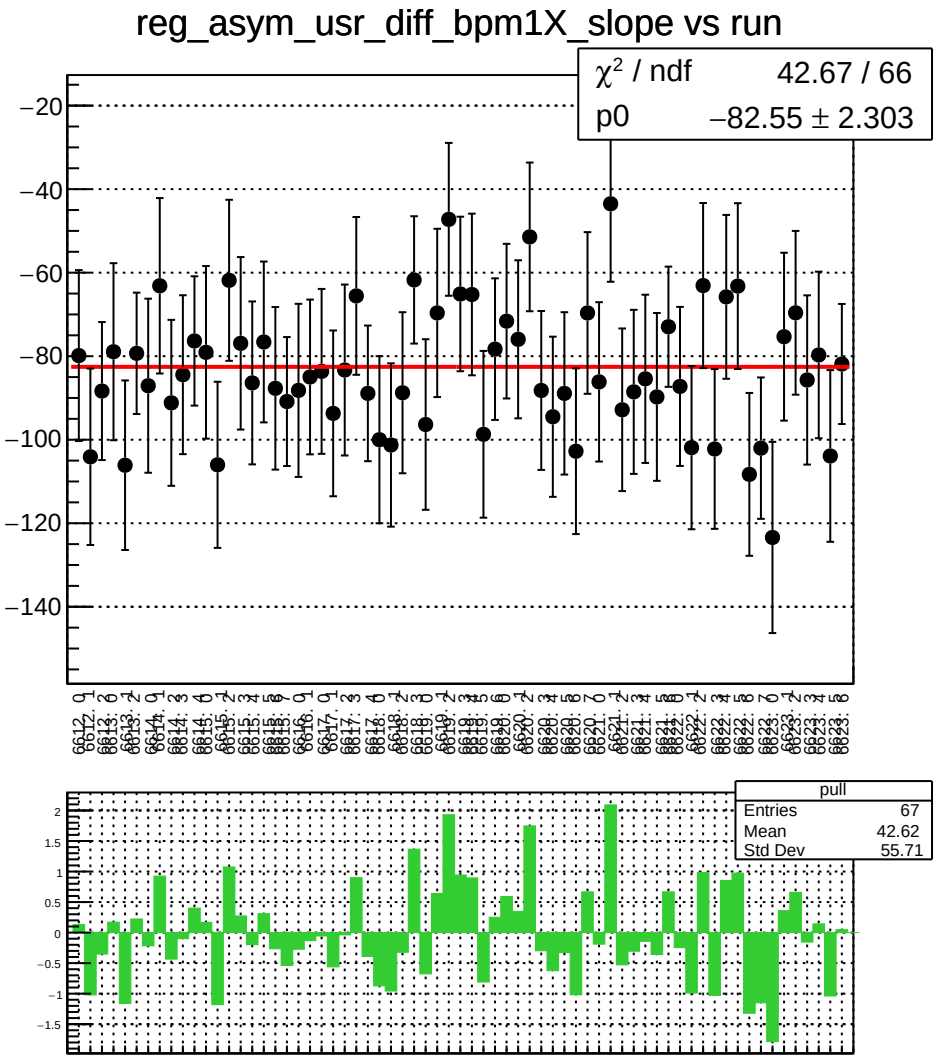

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 68.35 / 66
p0 25.07 ± 6.146
pull
Entries 67
Mean −425.6
Std Dev 458.5
pull1D
Entries 67
Mean −0.01166
Std Dev 1.01

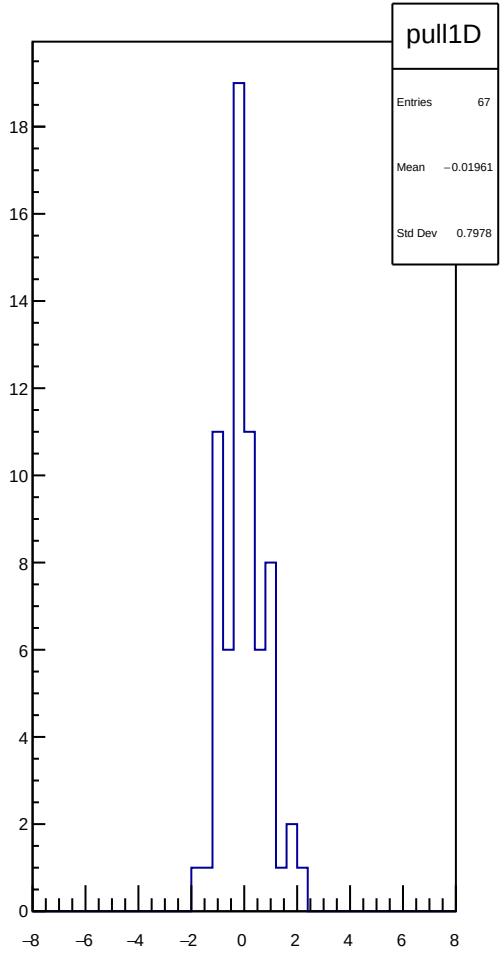

reg_asym_usl_diff_bpm4eY_slope vs run
χ^2 / ndf 45.25 / 66
p0 11.3 ± 4.781
pull
Entries 67
Mean −0.2105
Std Dev 62.84

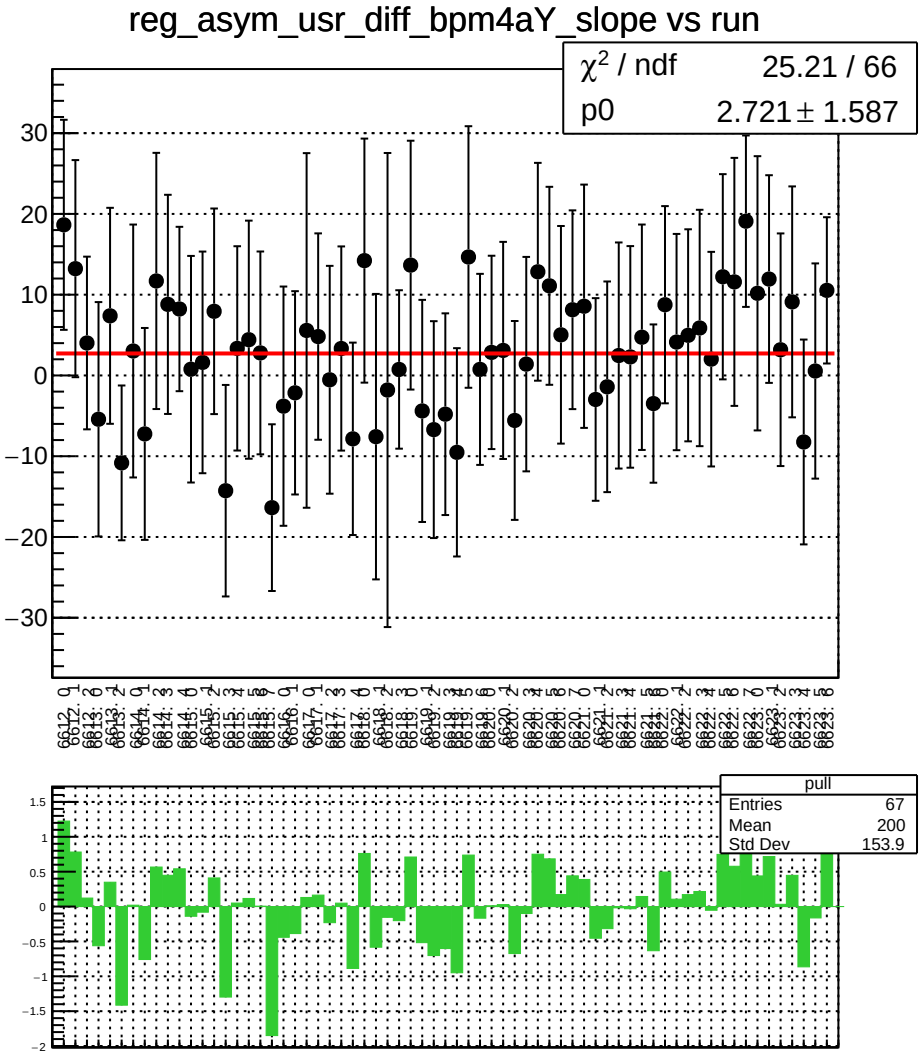

pull1D
Entries 67
Mean 0.01028
Std Dev 0.8218

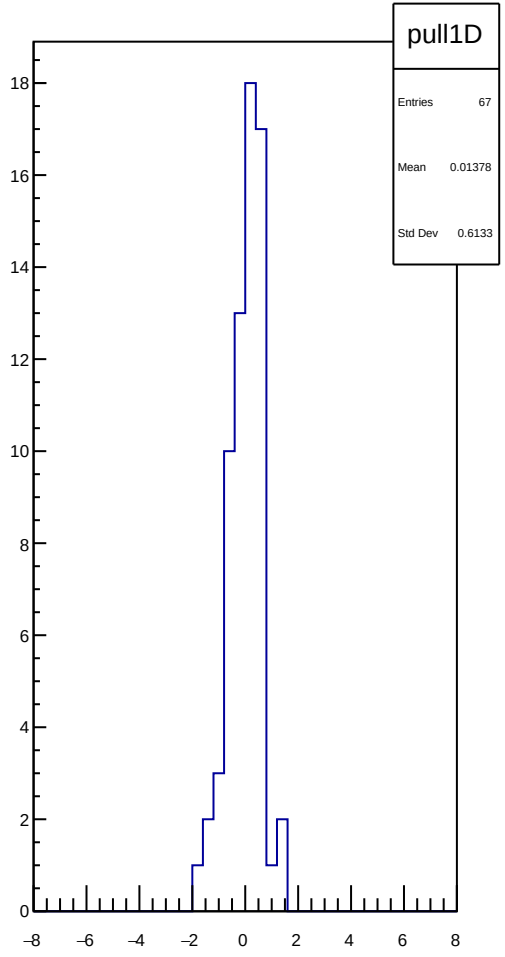

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 69.61 / 66
p0 −66.9 ± 0.2462
pull
Entries 67
Mean 574
Std Dev 545.4

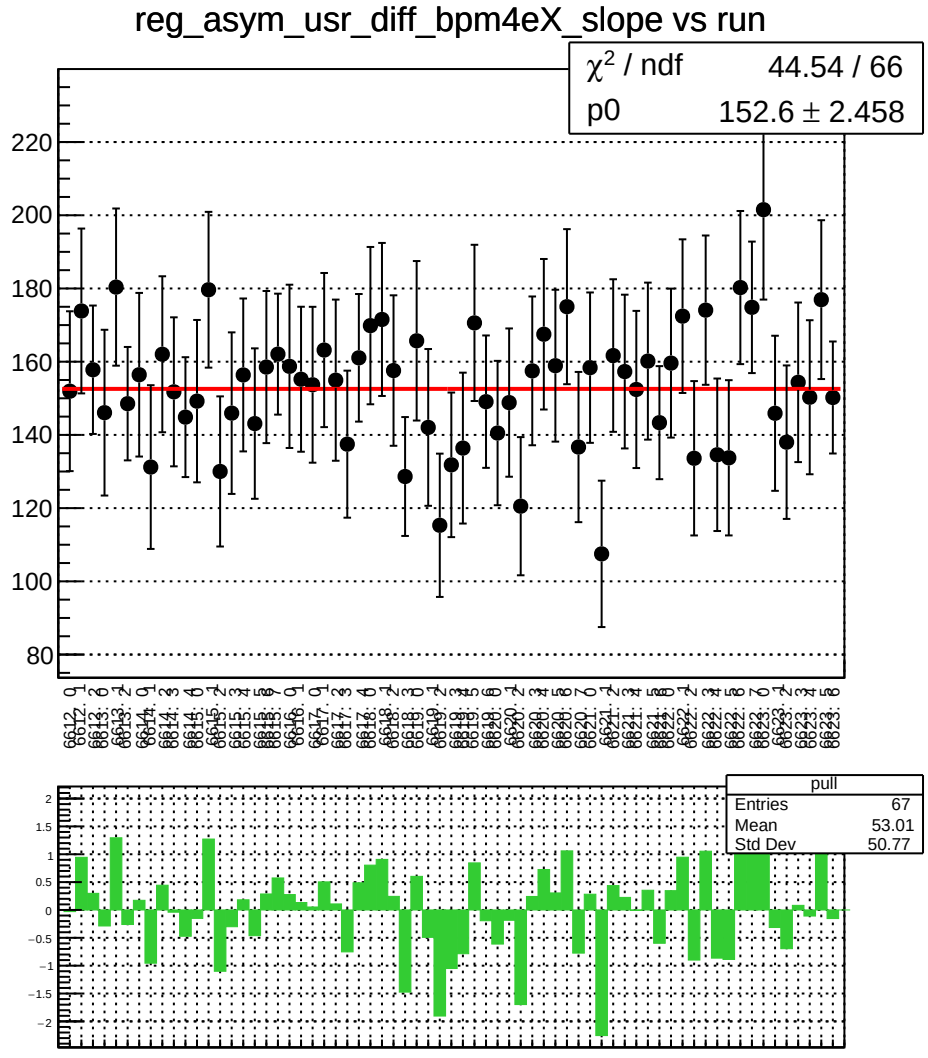

pull1D
Entries 67
Mean 0.01042
Std Dev 1.019

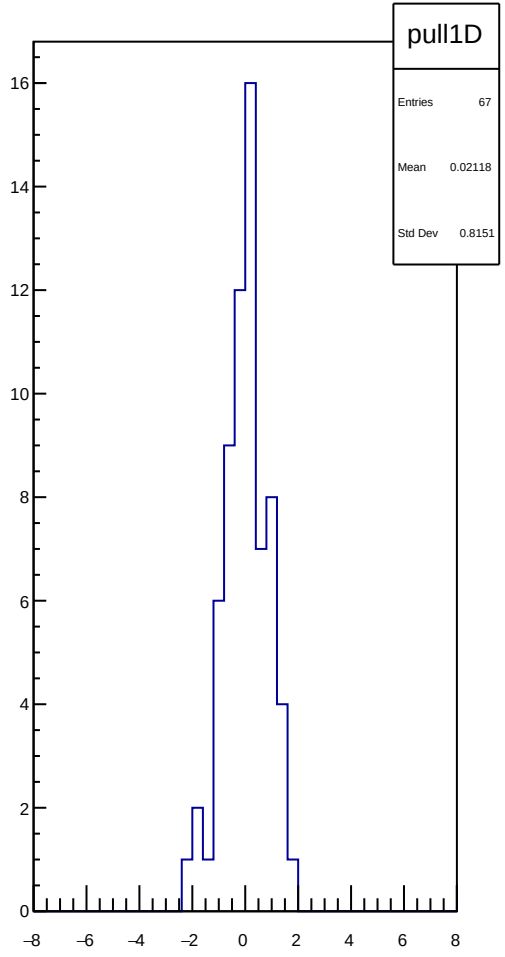

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 42.67 / 66
p0 −82.55 ± 2.303
pull
Entries 67
Mean 42.62
Std Dev 55.71

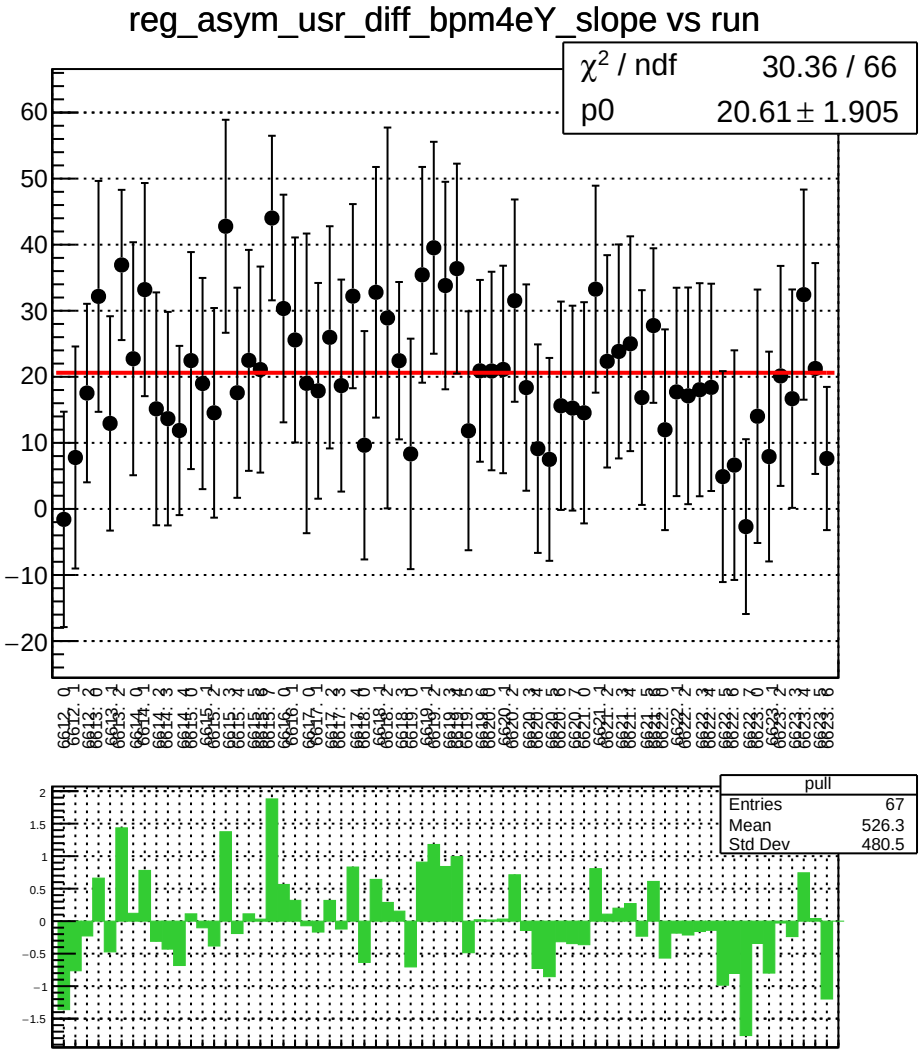

pull1D
Entries 67
Mean −0.01961
Std Dev 0.7978

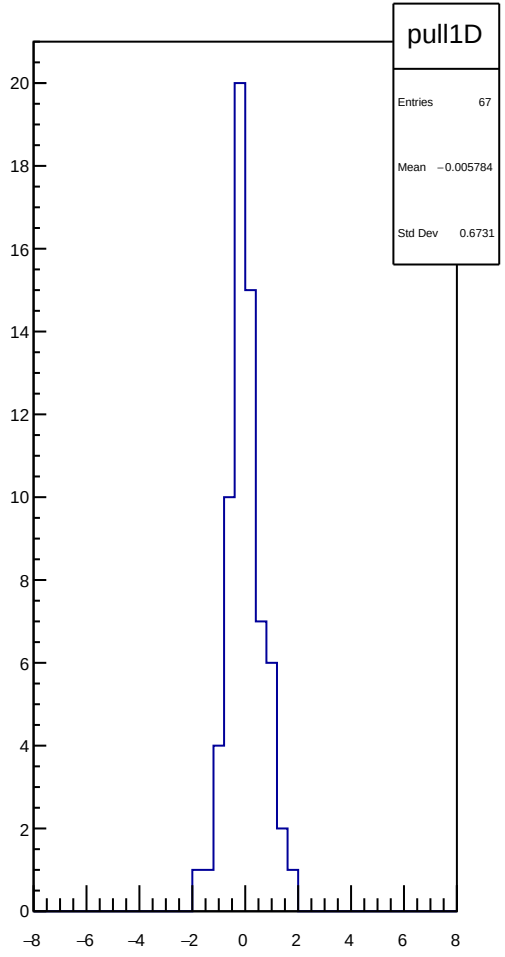

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 25.21 / 66
p0 2.721 ± 1.587
pull
Entries 67
Mean 200
Std Dev 153.9

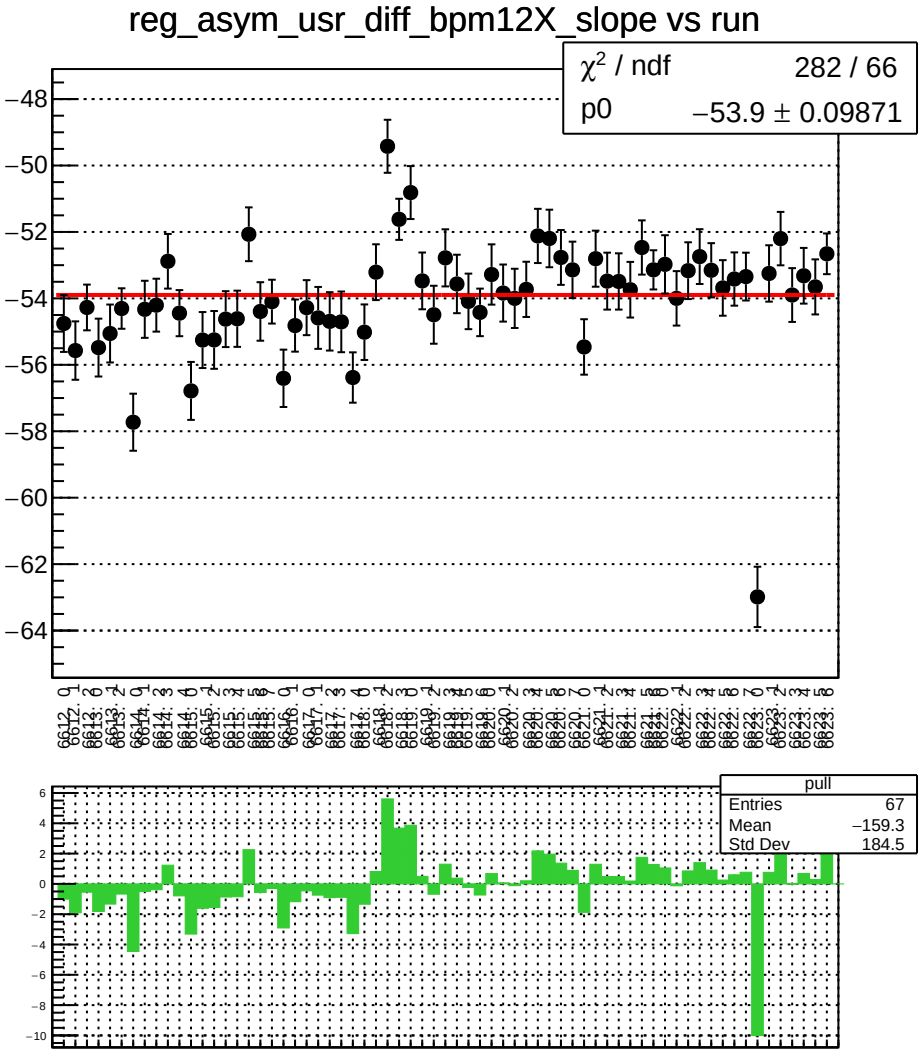

pull1D
Entries 67
Mean 0.01378
Std Dev 0.6133

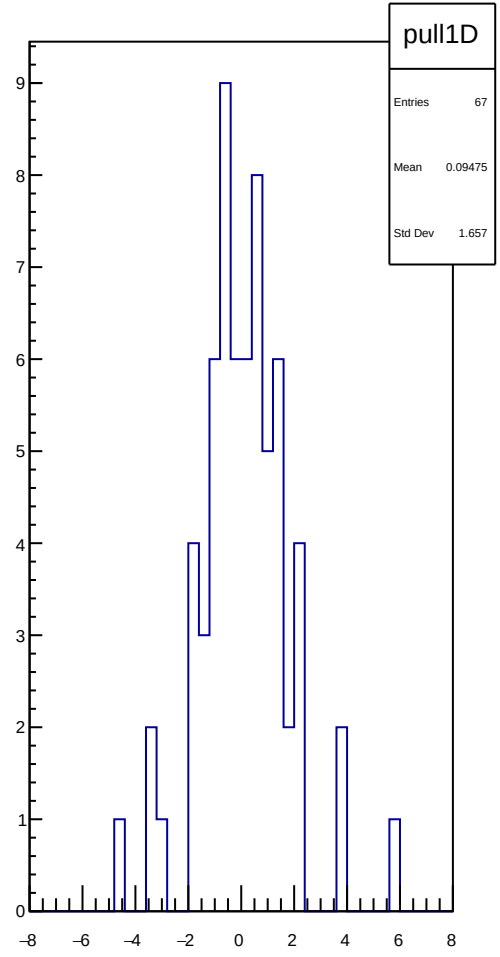

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 44.54 / 66
p0 152.6 ± 2.458
pull
Entries 67
Mean 53.01
Std Dev 50.77

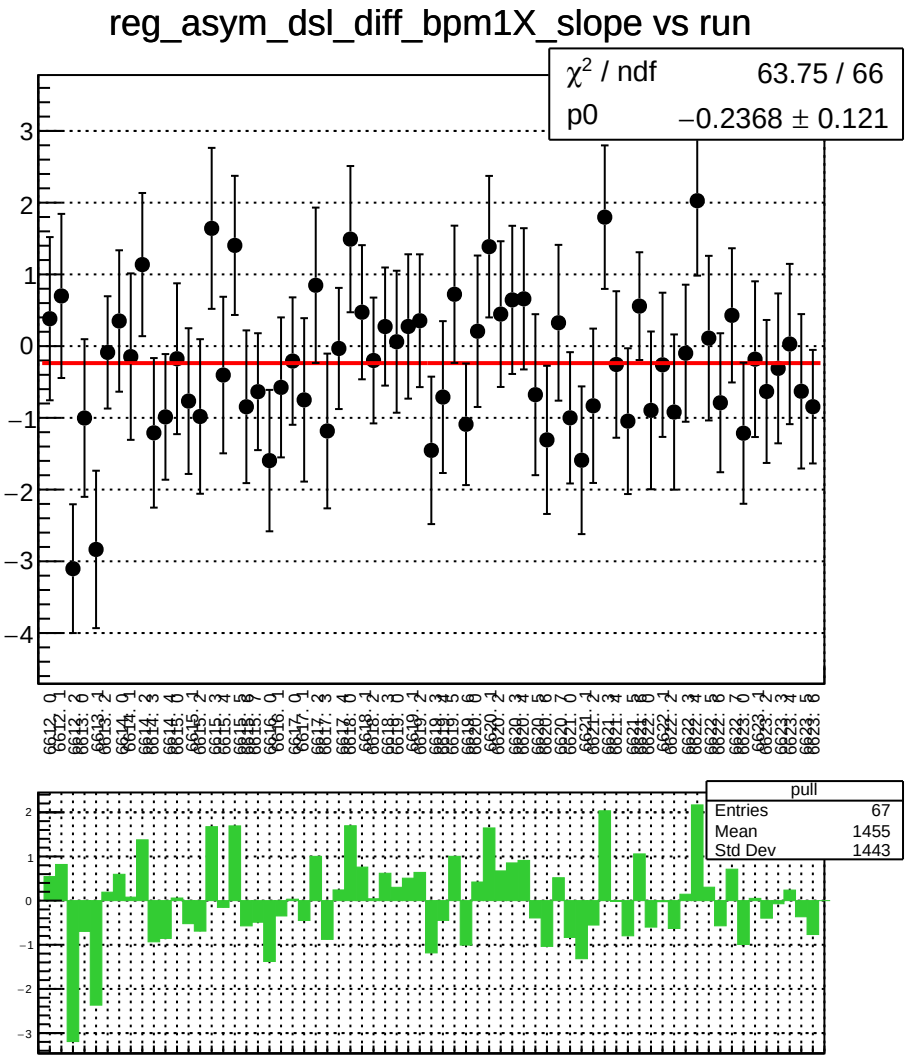

pull1D
Entries 67
Mean 0.02118
Std Dev 0.8151

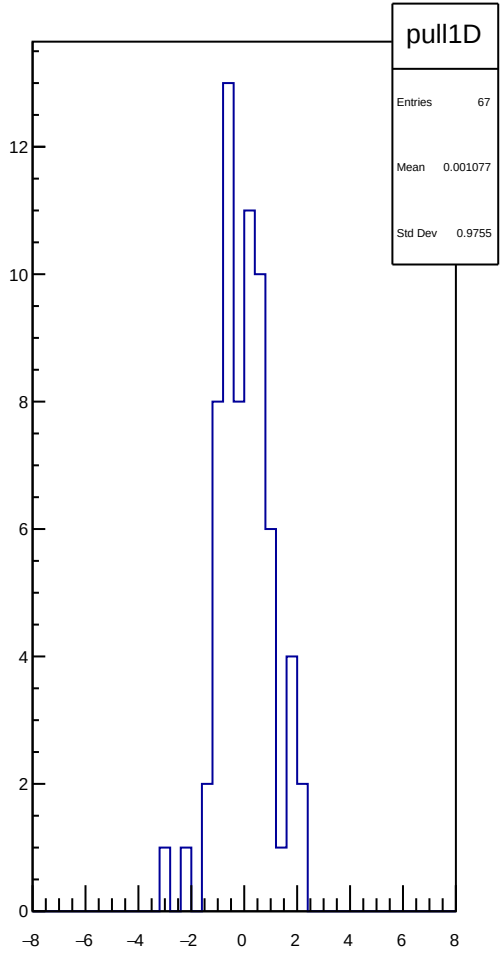

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 30.36 / 66
p0 20.61 ± 1.905
pull
Entries 67
Mean 526.3
Std Dev 480.5


pull1D
Entries 67
Mean −0.005784
Std Dev 0.6731

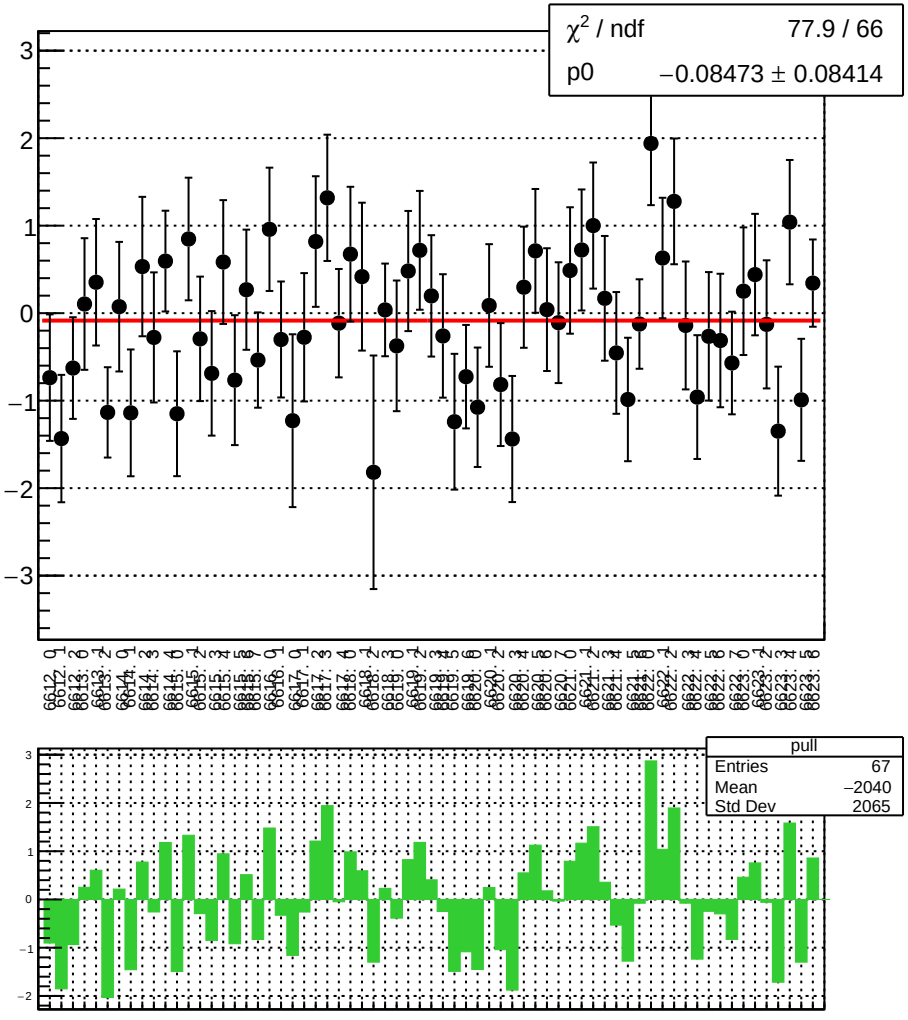

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 282 / 66
p0 −53.9 ± 0.09871
pull
Entries 67
Mean −159.3
Std Dev 184.5

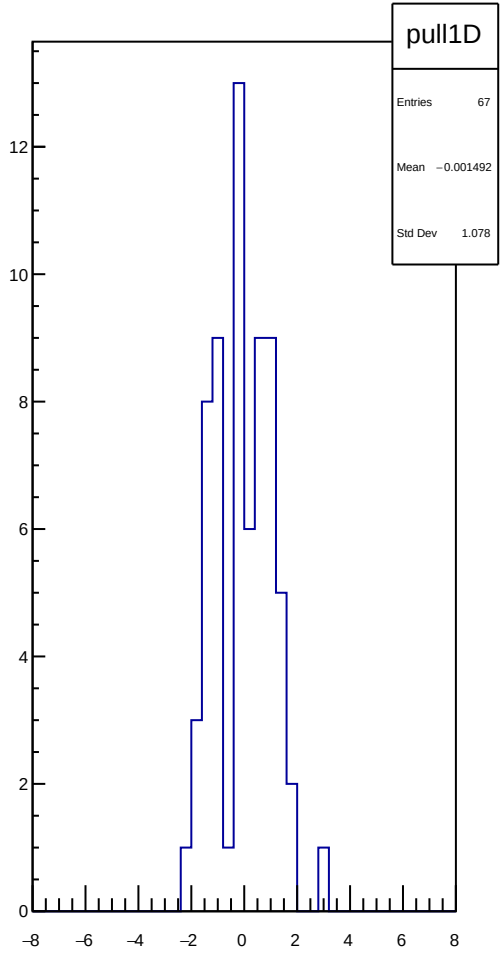

pull1D
Entries 67
Mean 0.09475
Std Dev 1.657

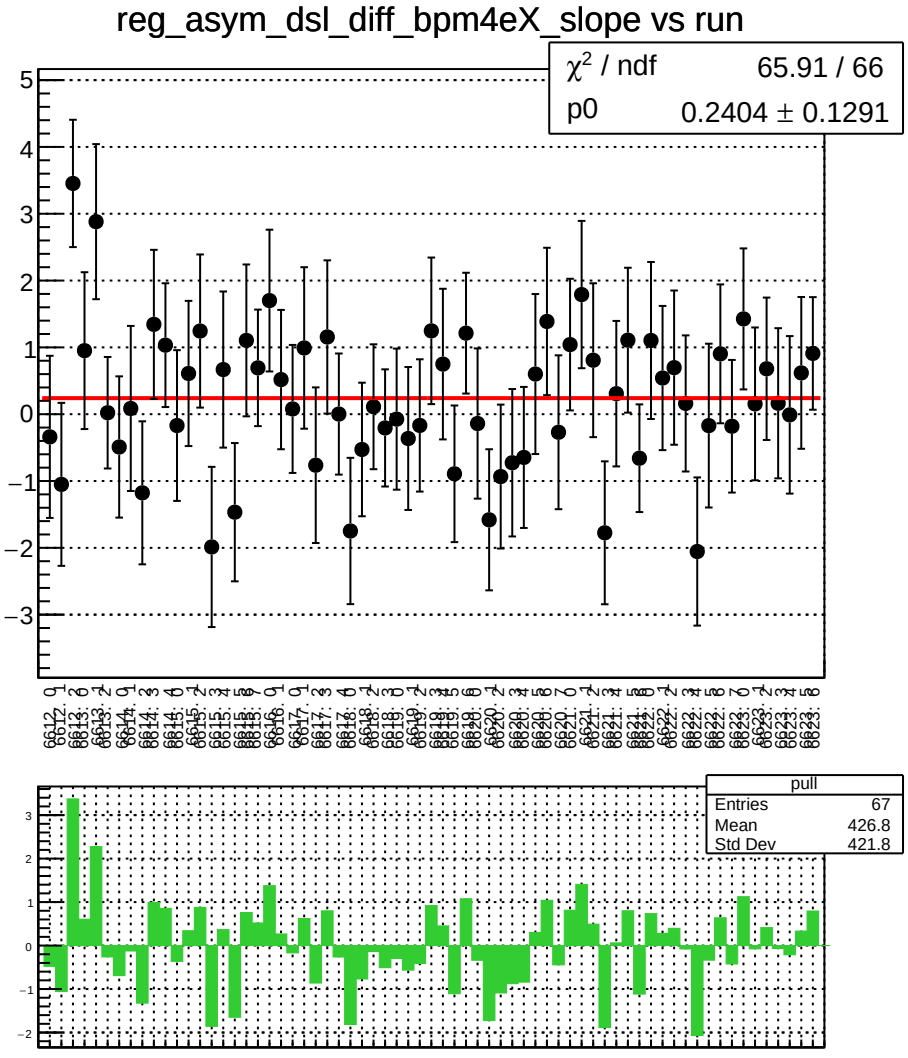

reg_asym_dsl_diff_bpm1X_slope vs run
χ^2 / ndf 63.75 / 66
p0 −0.2368 ± 0.121
pull
Entries 67
Mean 1455
Std Dev 1443

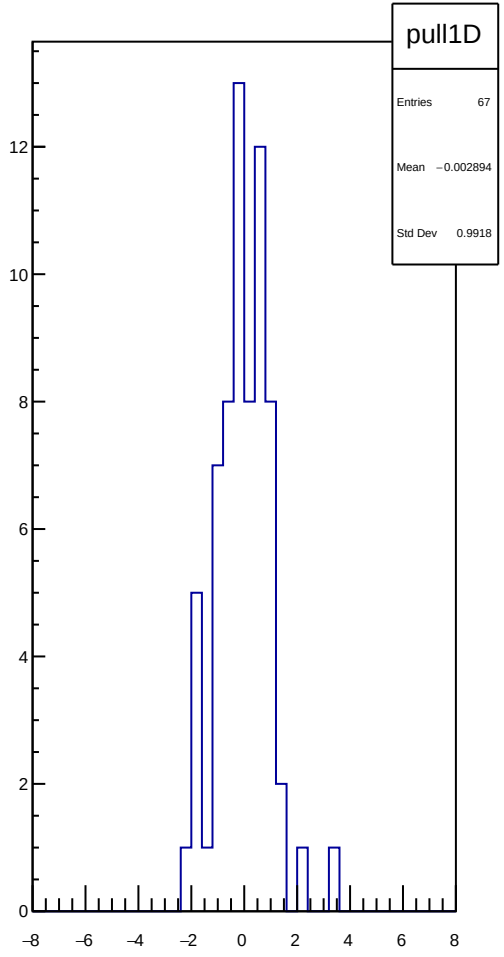

pull1D
Entries 67
Mean 0.001077
Std Dev 0.9755

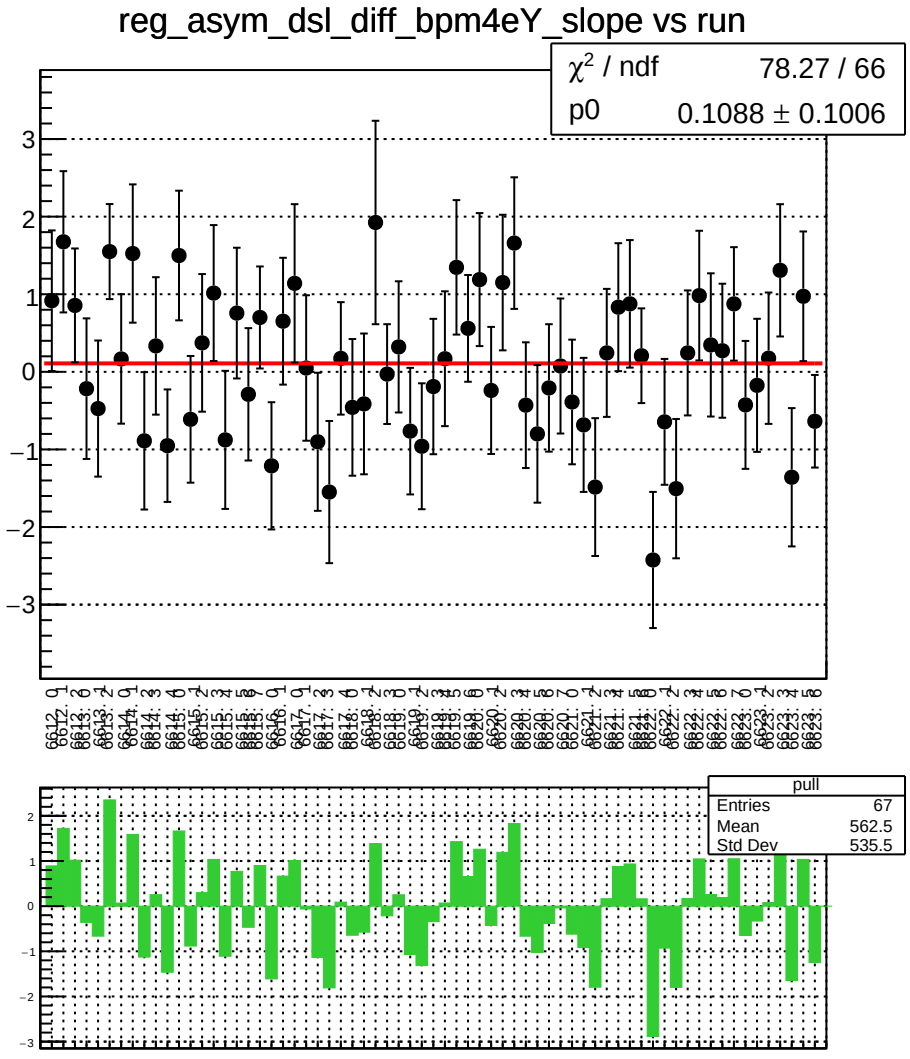
reg_asym_dsl_diff_bpm4aY_slope vs run

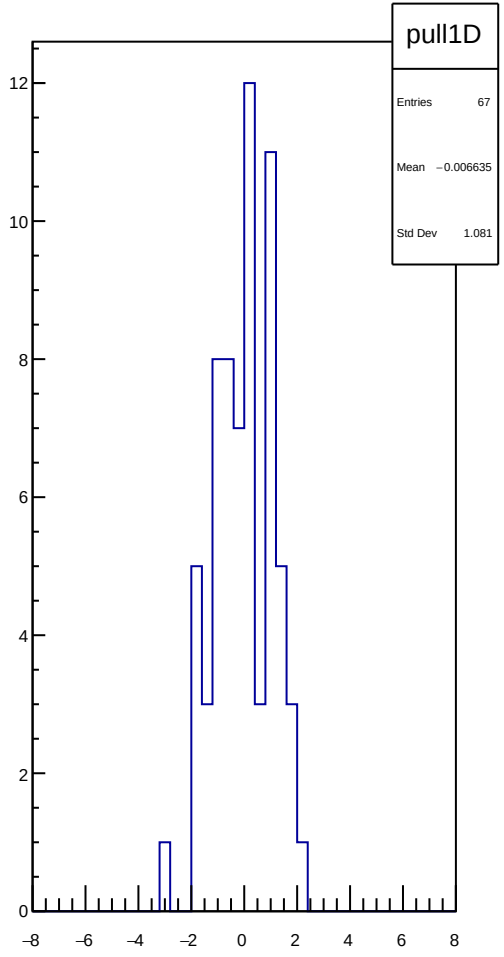


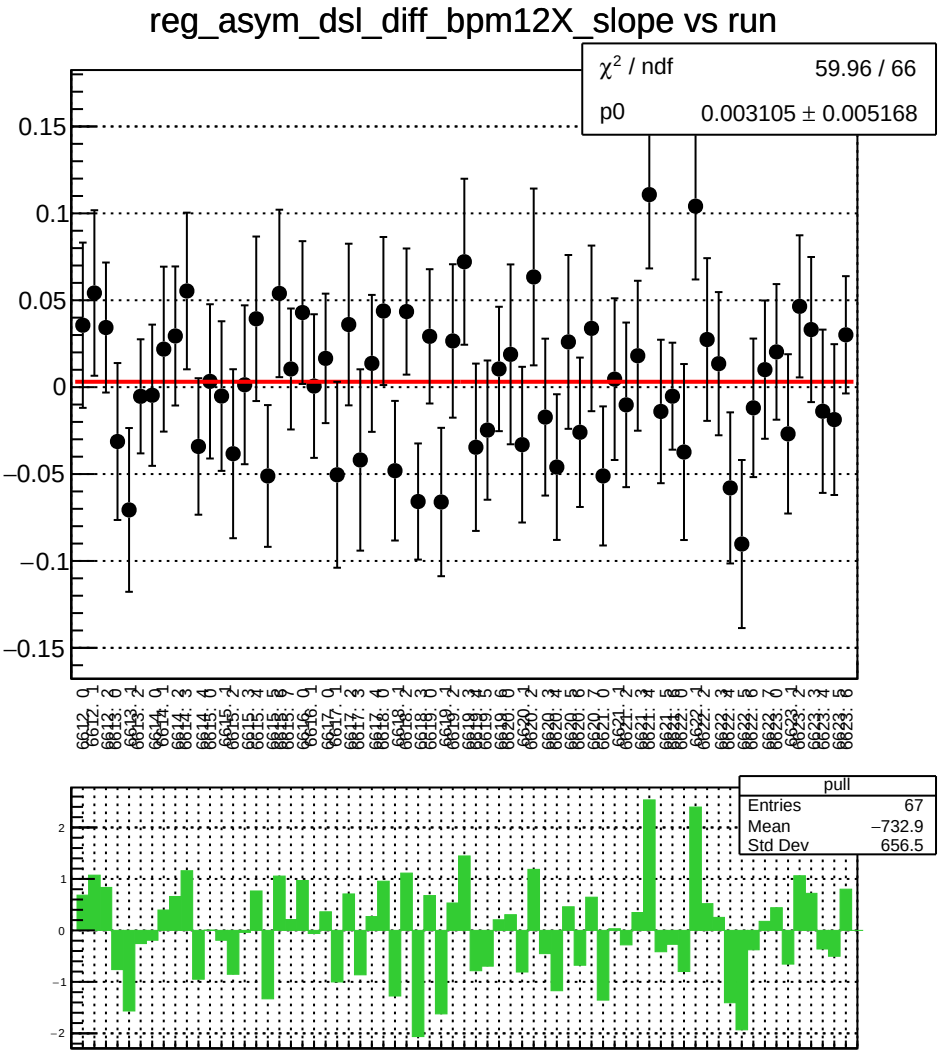


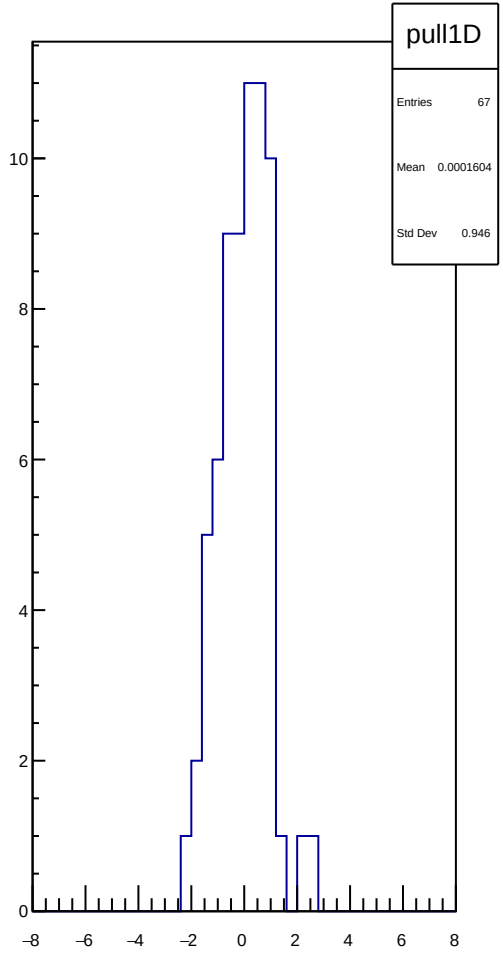

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 65.91 / 66
p0 0.2404 ± 0.1291
pull
Entries 67
Mean 426.8
Std Dev 421.8


pull1D
Entries 67
Mean −0.002894
Std Dev 0.9918

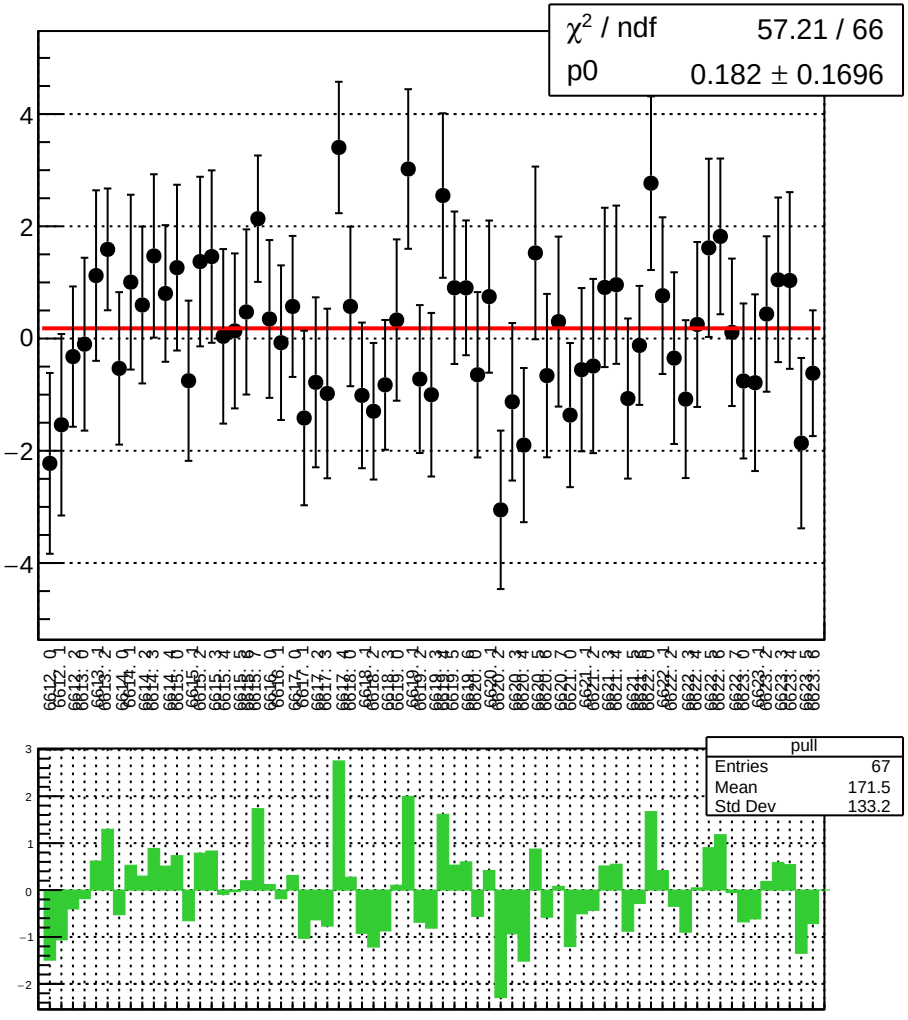

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 78.27 / 66
p0 0.1088 ± 0.1006
pull
Entries 67
Mean 562.5
Std Dev 535.5

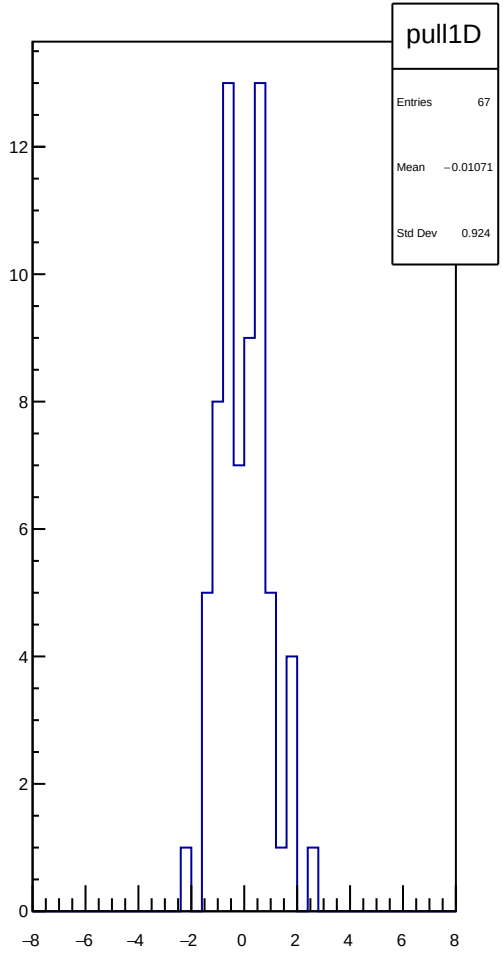

pull1D
Entries 67
Mean −0.006635
Std Dev 1.081

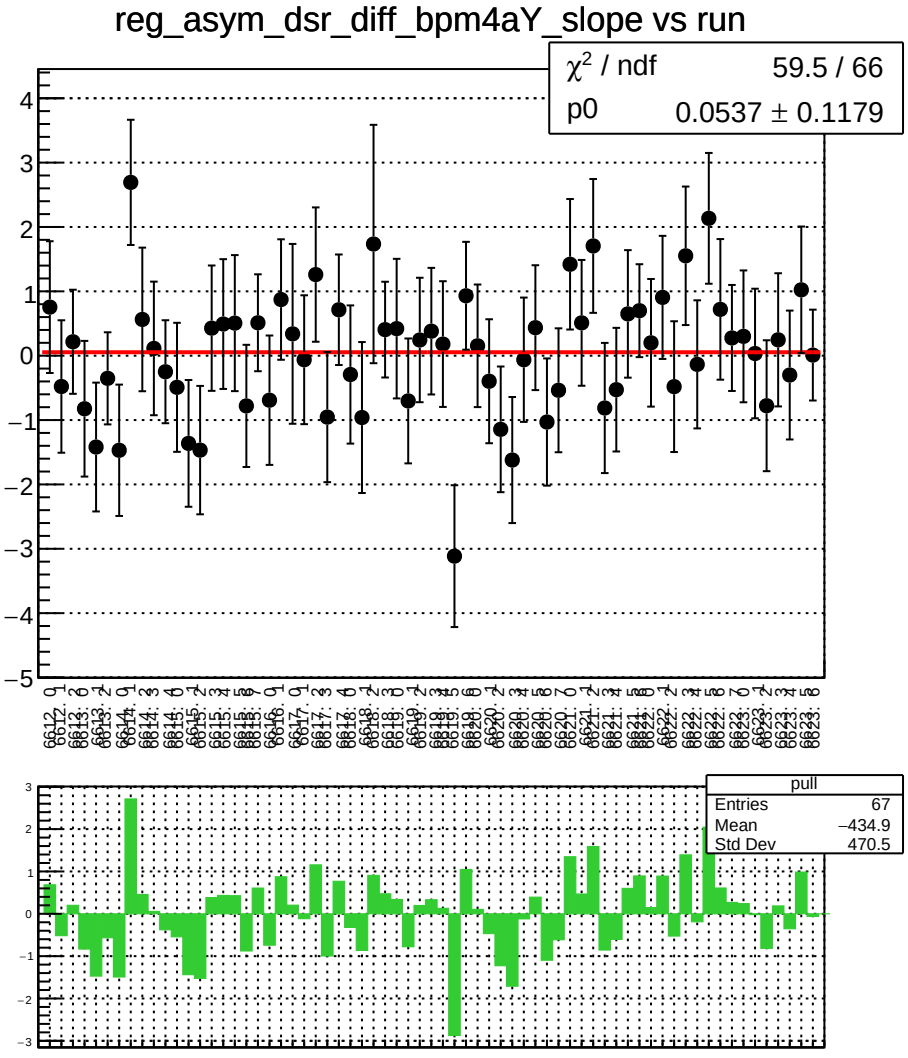

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 59.96 / 66
p0 0.003105 ± 0.005168
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 67
Mean −732.9
Std Dev 656.5
2
1
0
−1
−2

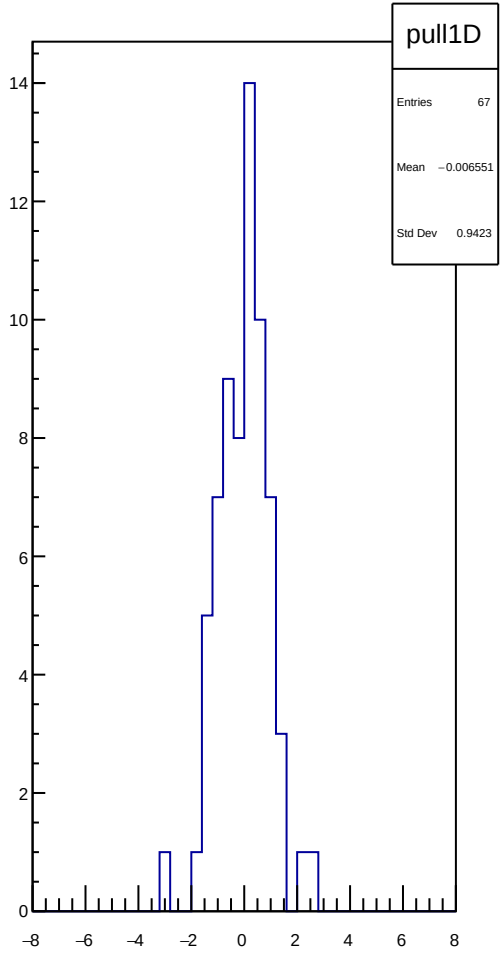

pull1D
Entries 67
Mean 0.0001604
Std Dev 0.946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm1X_slope vs run

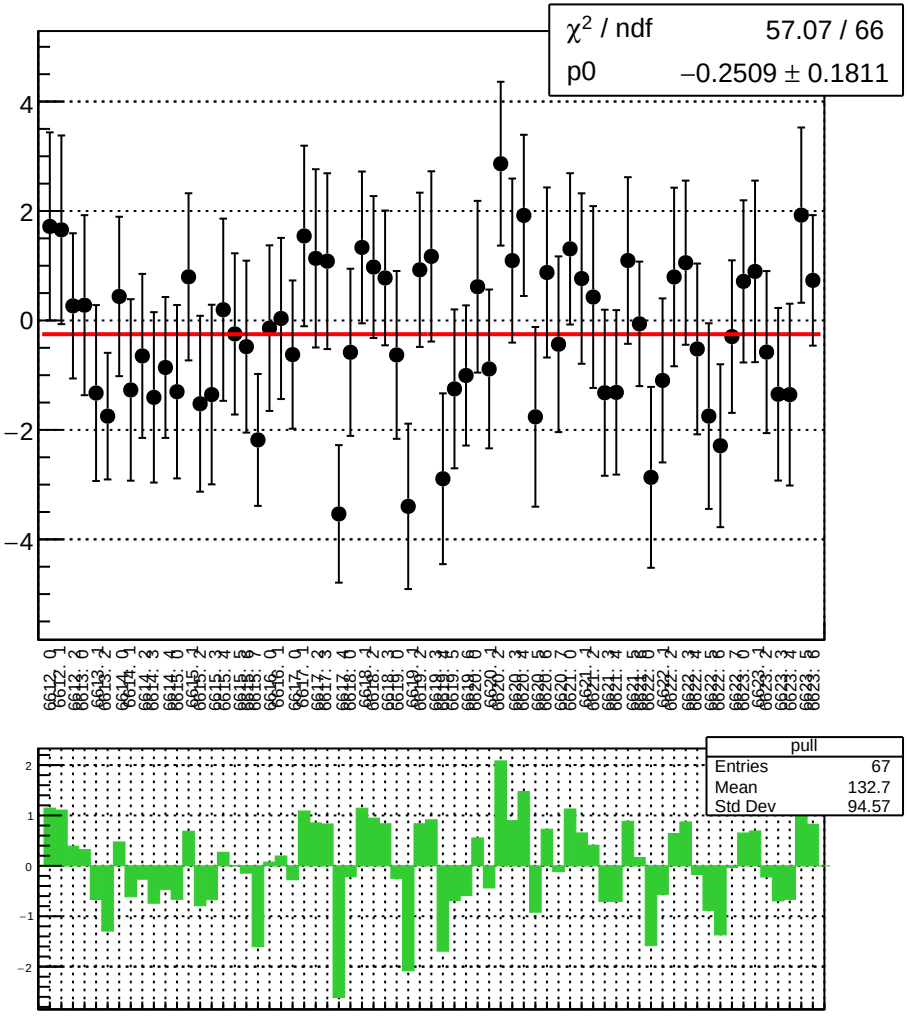


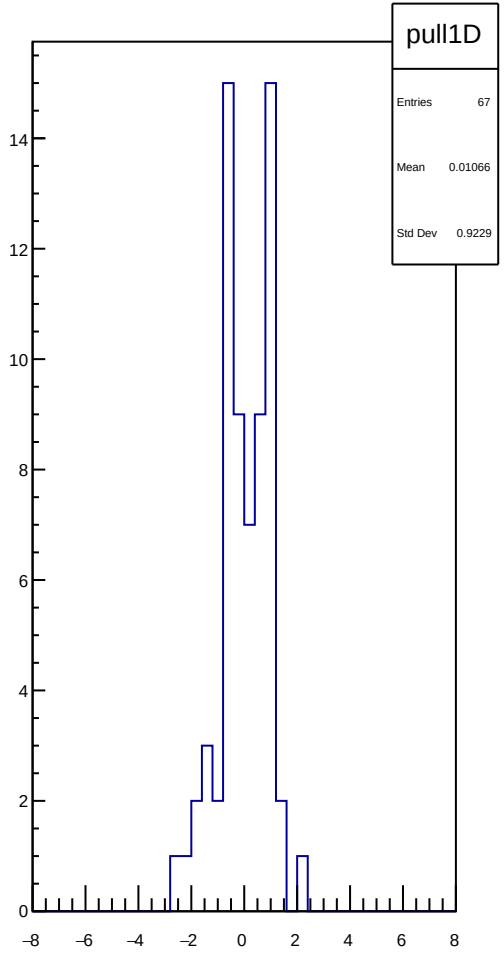


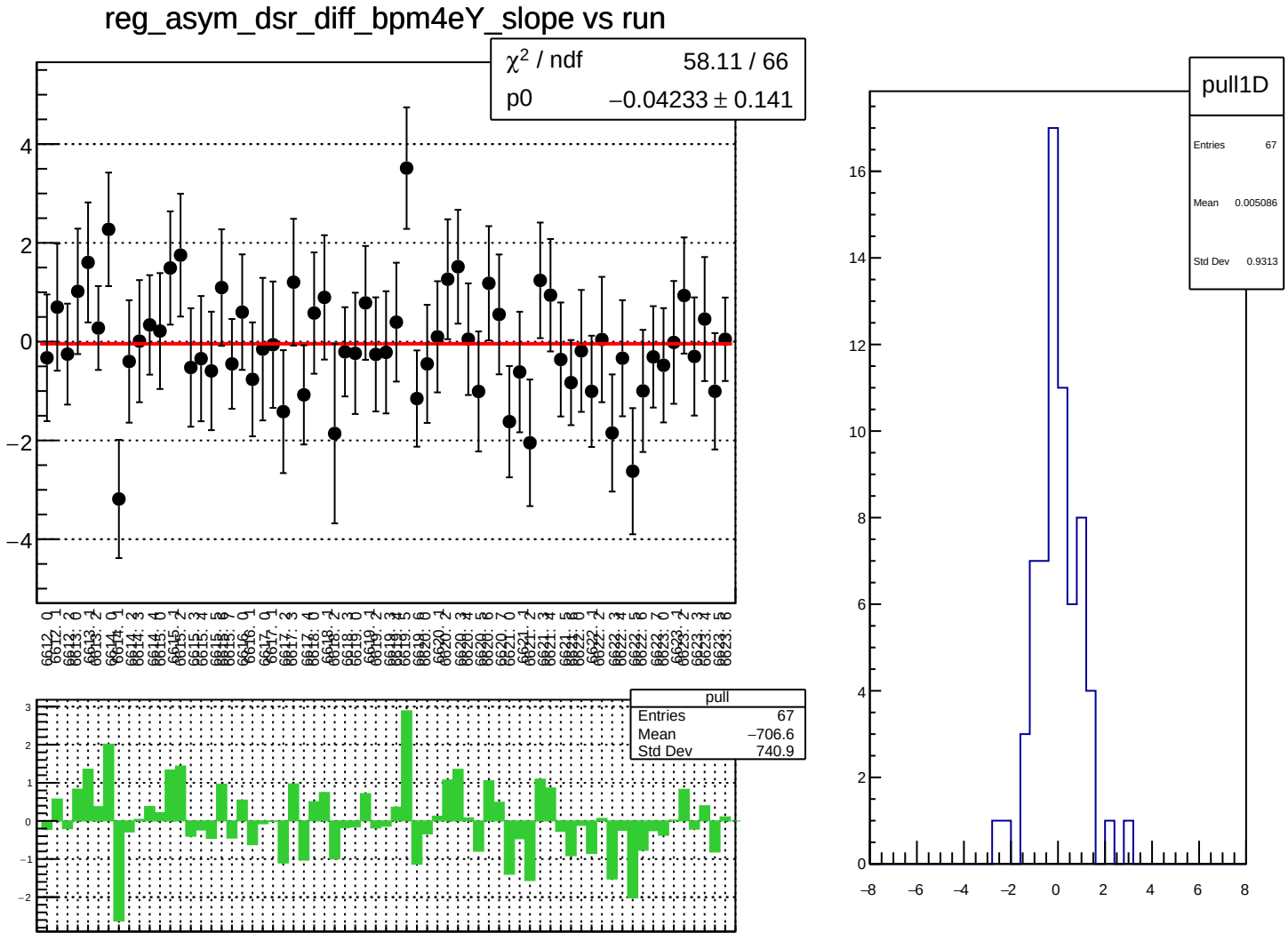

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 59.5 / 66
p0 0.0537 ± 0.1179
pull
Entries 67
Mean −434.9
Std Dev 470.5


pull1D
Entries 67
Mean −0.006551
Std Dev 0.9423

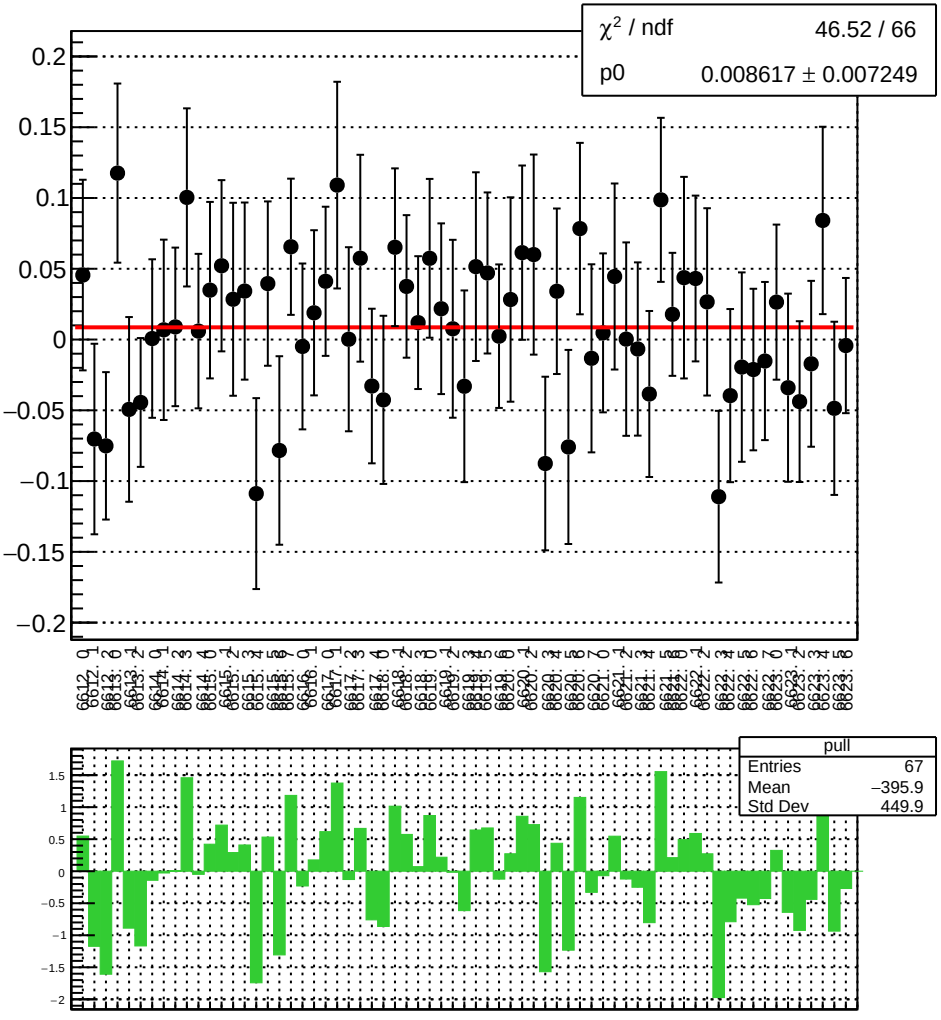
reg_asym_dsr_diff_bpm4eX_slope vs run

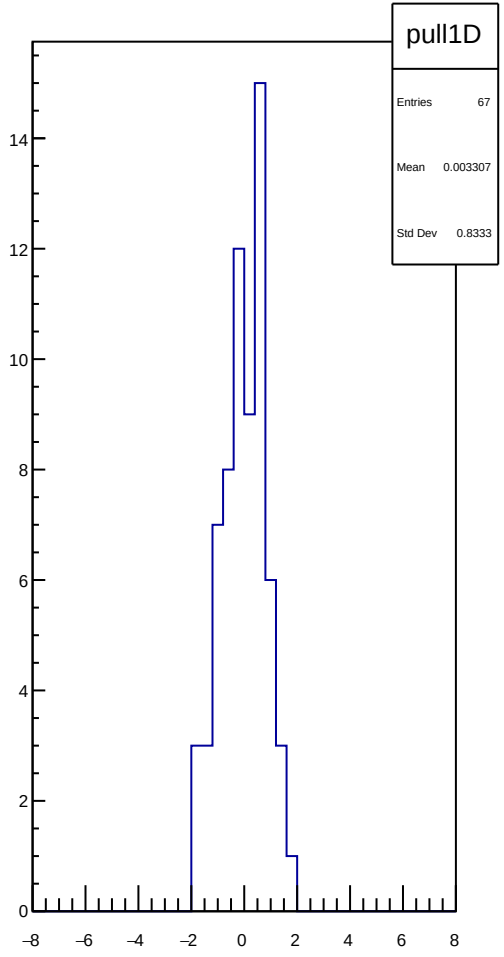


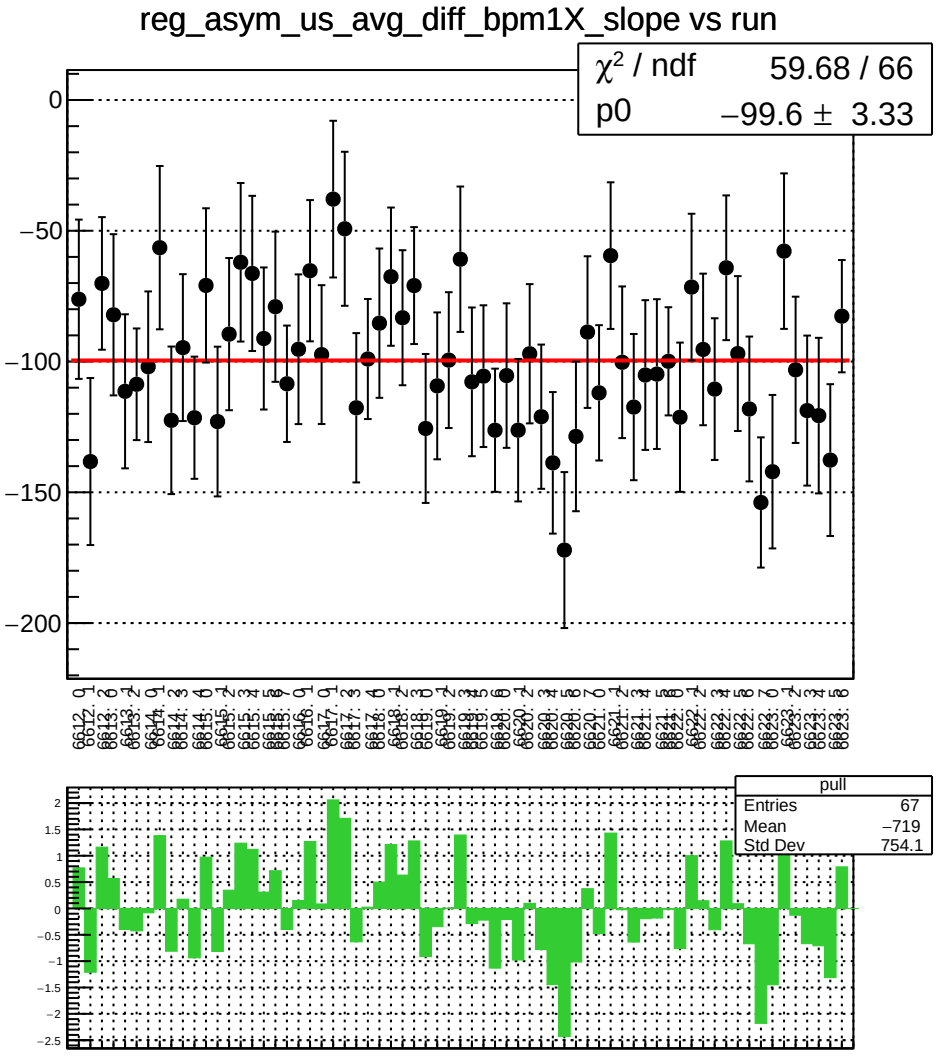


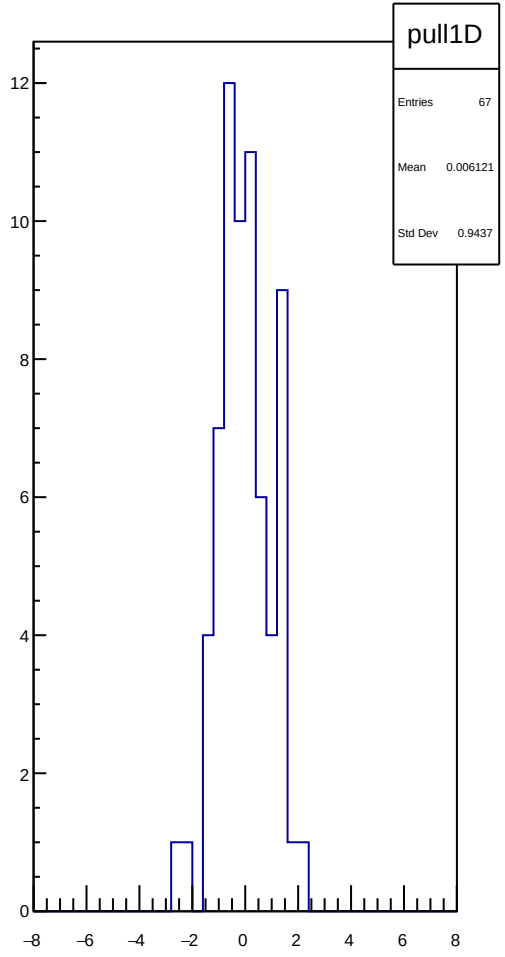

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 58.11 / 66
p0 −0.04233 ± 0.141
pull
Entries 67
Mean −706.6
Std Dev 740.9
pull1D
Entries 67
Mean 0.005086
Std Dev 0.9313

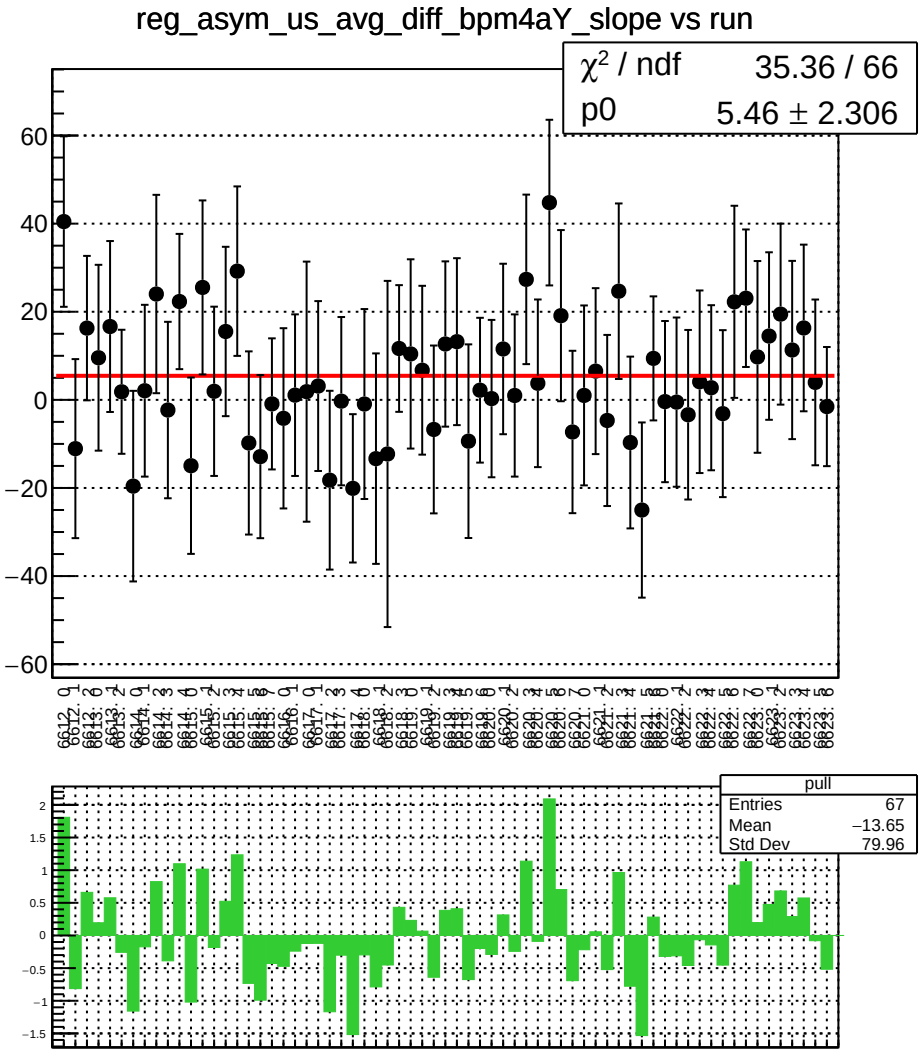
reg_asym_dsr_diff_bpm12X_slope vs run

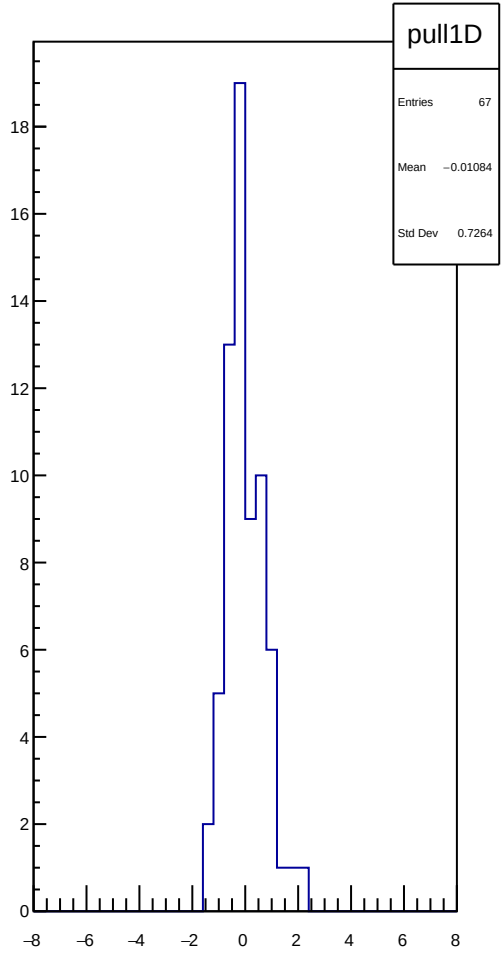


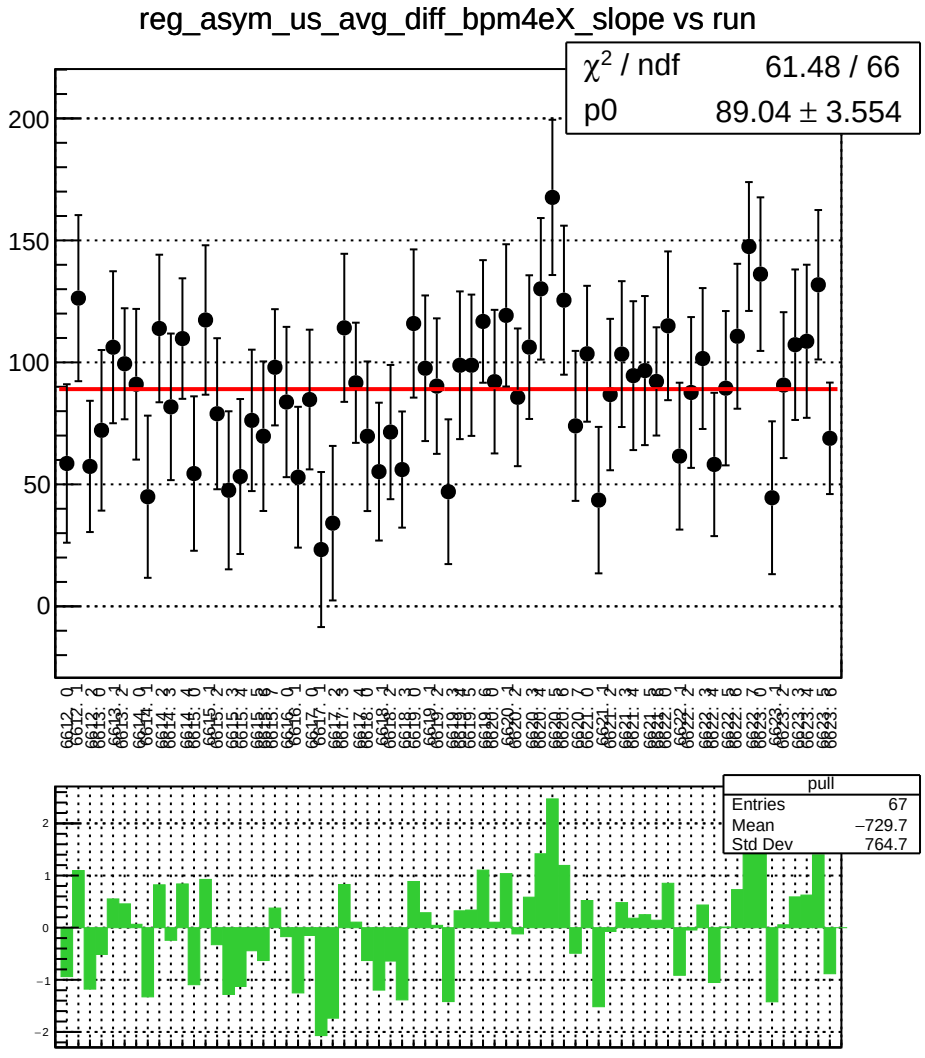


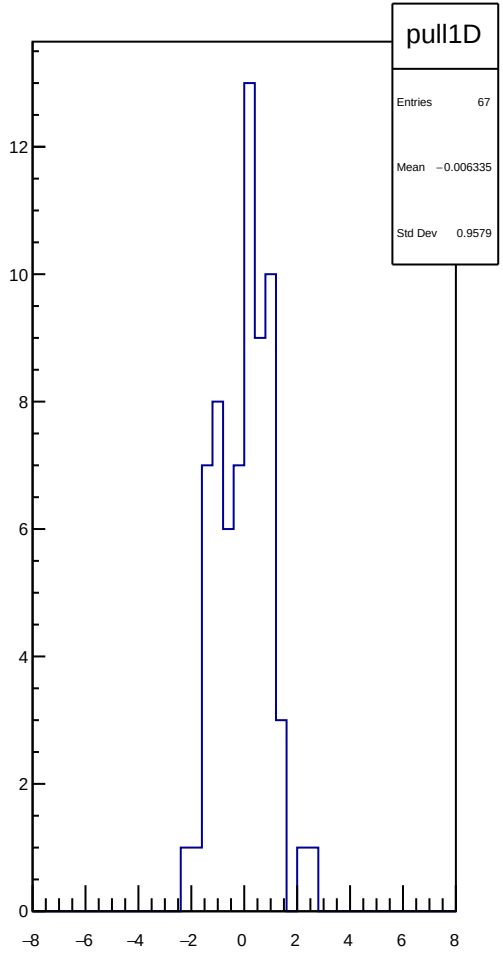

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 59.68 / 66
p0 −99.6 ± 3.33
pull
Entries 67
Mean −719
Std Dev 754.1

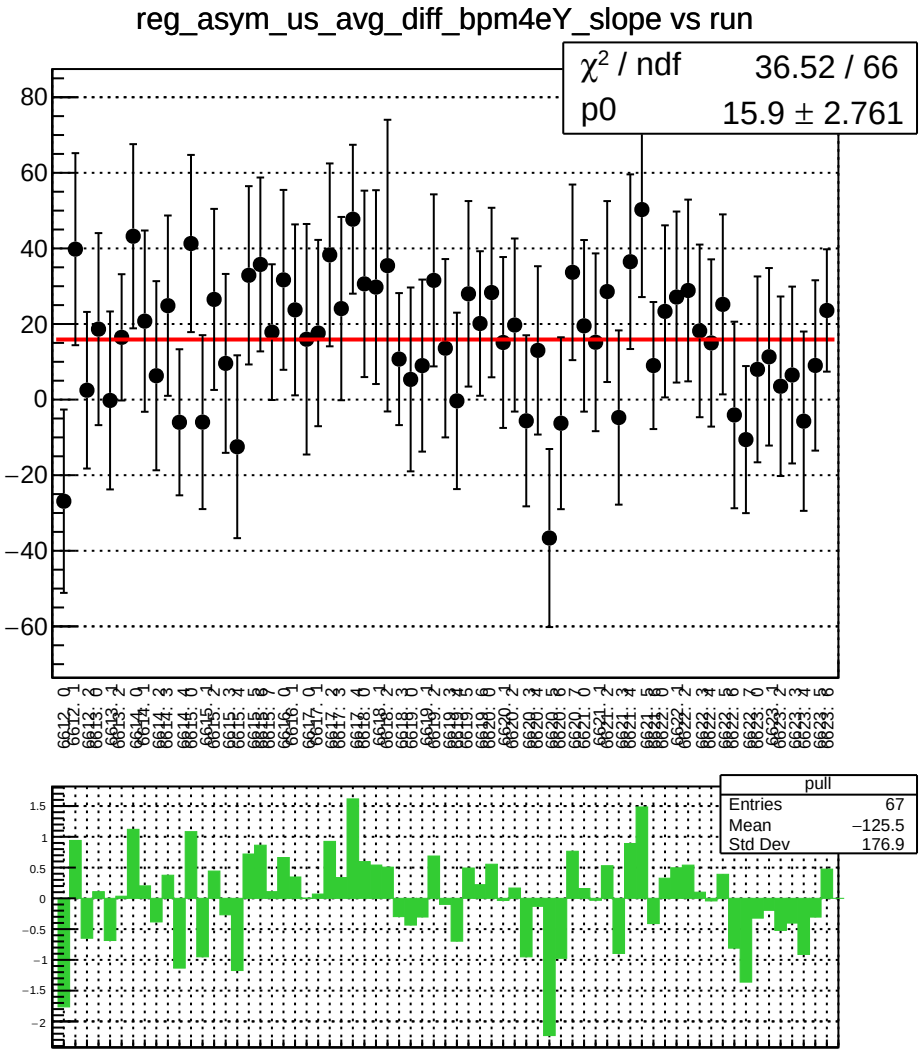

pull1D
Entries 67
Mean 0.006121
Std Dev 0.9437

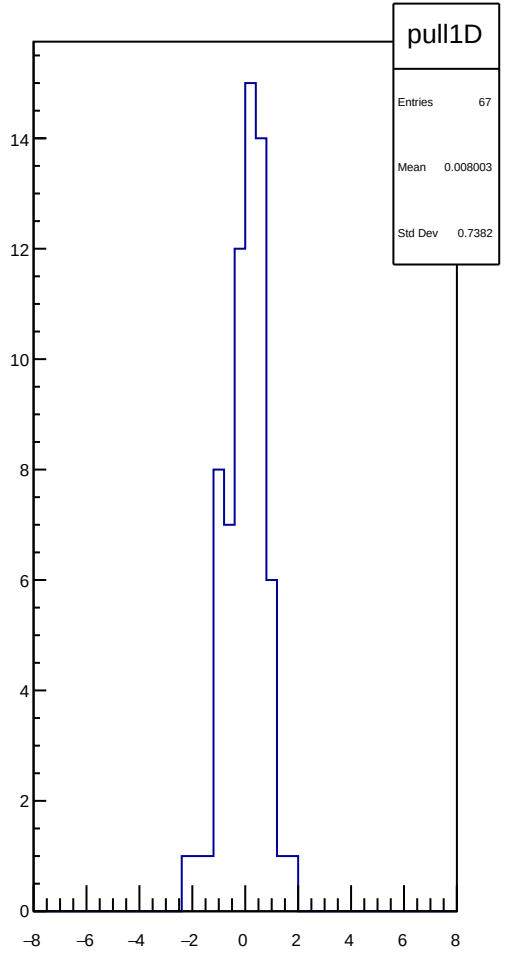

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.36 / 66
p0 5.46 ± 2.306
pull
Entries 67
Mean −13.65
Std Dev 79.96

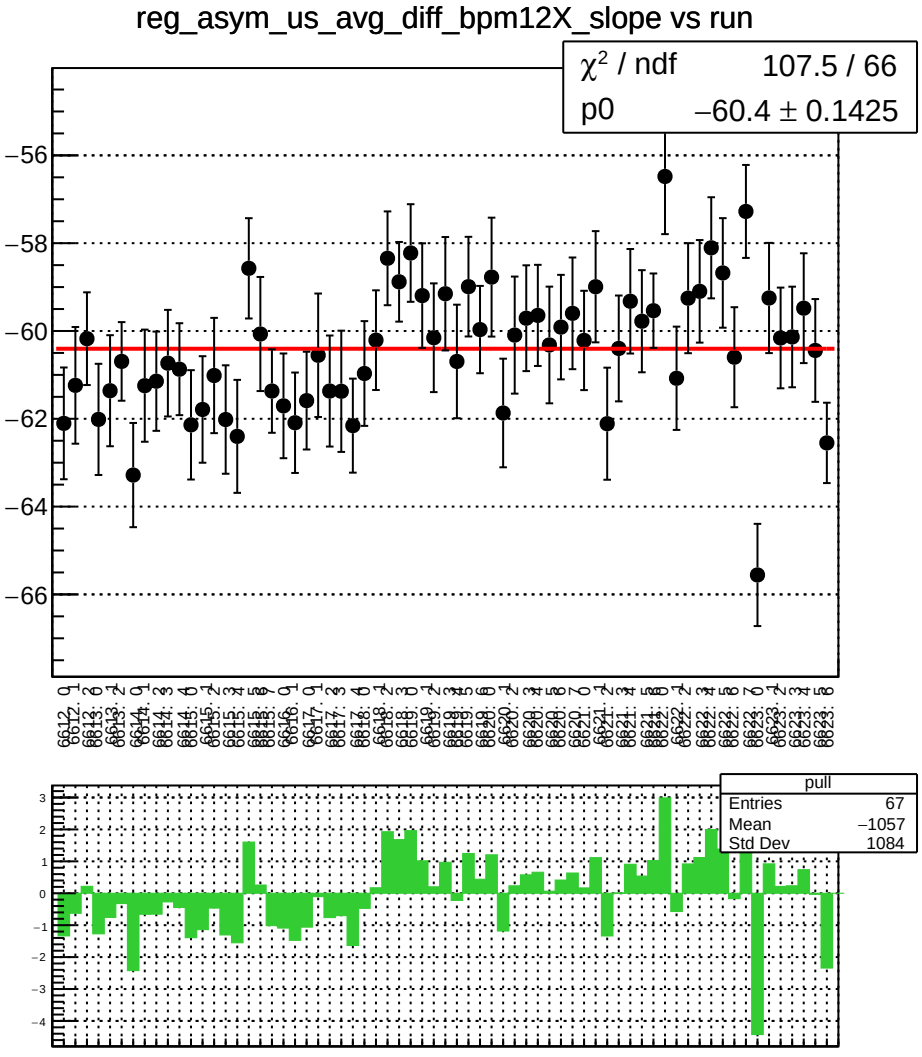

pull1D
Entries 67
Mean −0.01084
Std Dev 0.7264

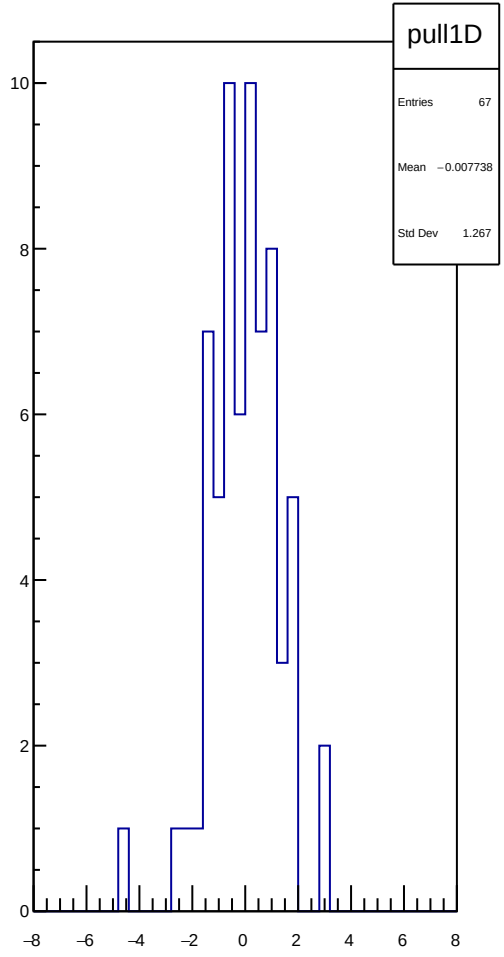

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.48 / 66
p0 89.04 ± 3.554
pull
Entries 67
Mean −729.7
Std Dev 764.7

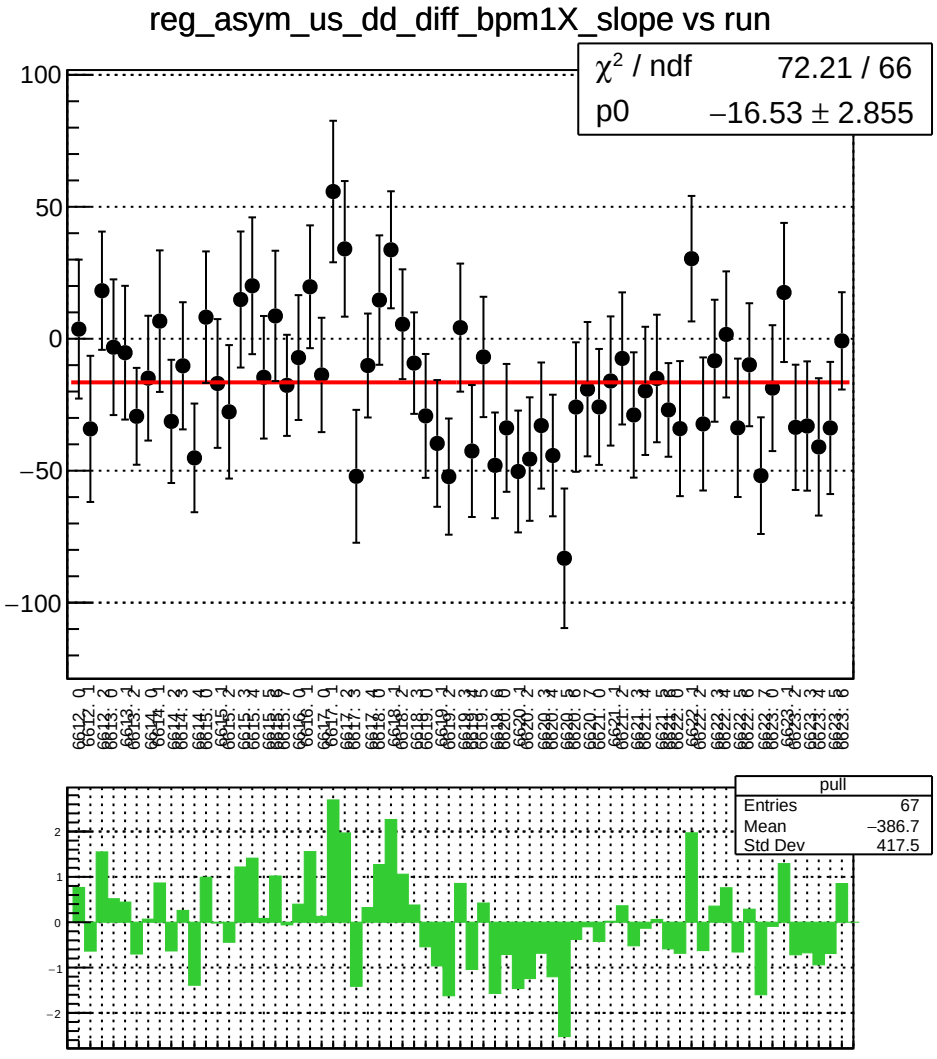

pull1D
Entries 67
Mean −0.006335
Std Dev 0.9579

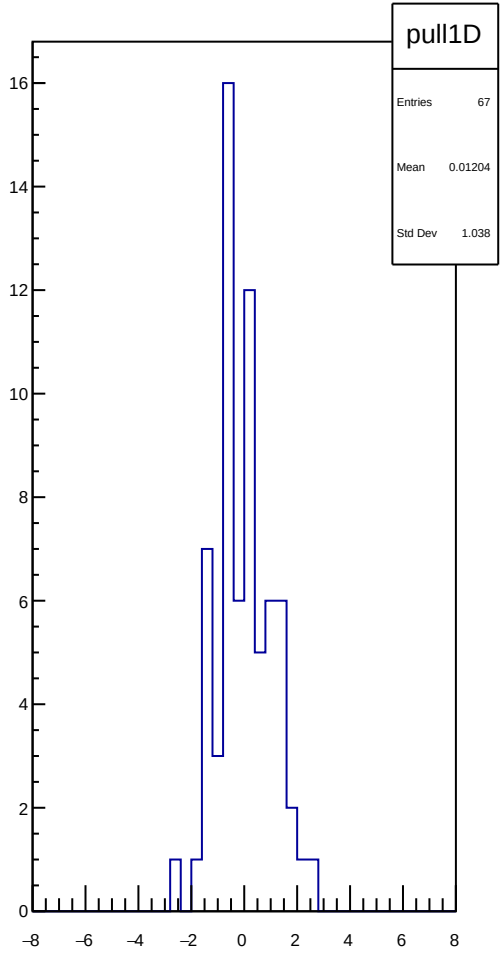

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.52 / 66
p0 15.9 ± 2.761
pull
Entries 67
Mean −125.5
Std Dev 176.9

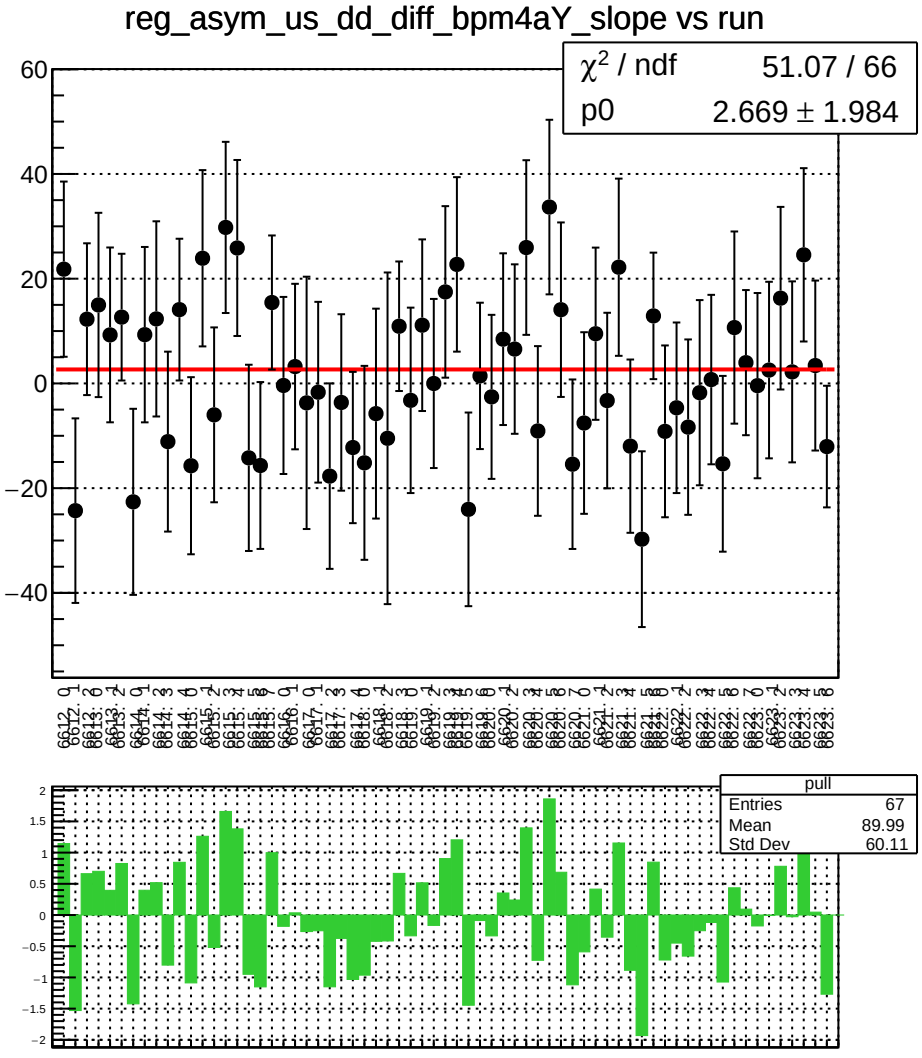

pull1D
Entries 67
Mean 0.008003
Std Dev 0.7382

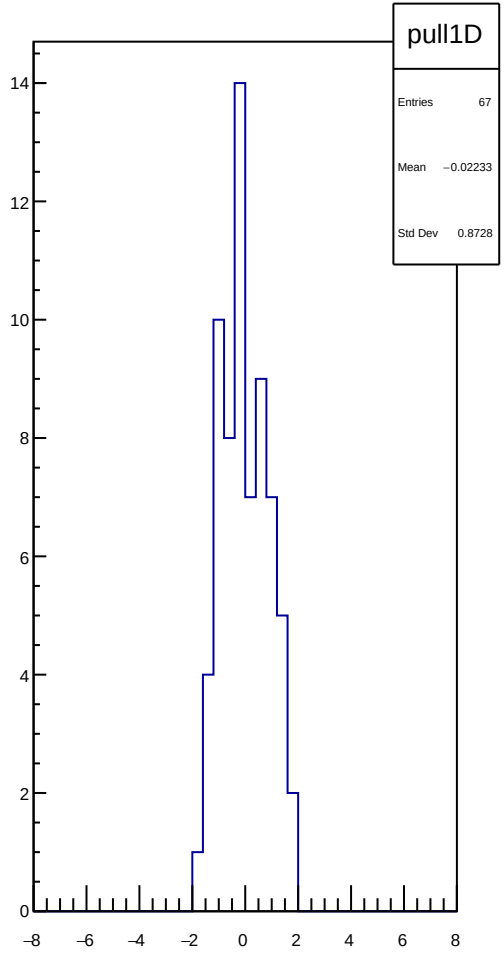

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 107.5 / 66
p0 −60.4 ± 0.1425
pull
Entries 67
Mean −1057
Std Dev 1084

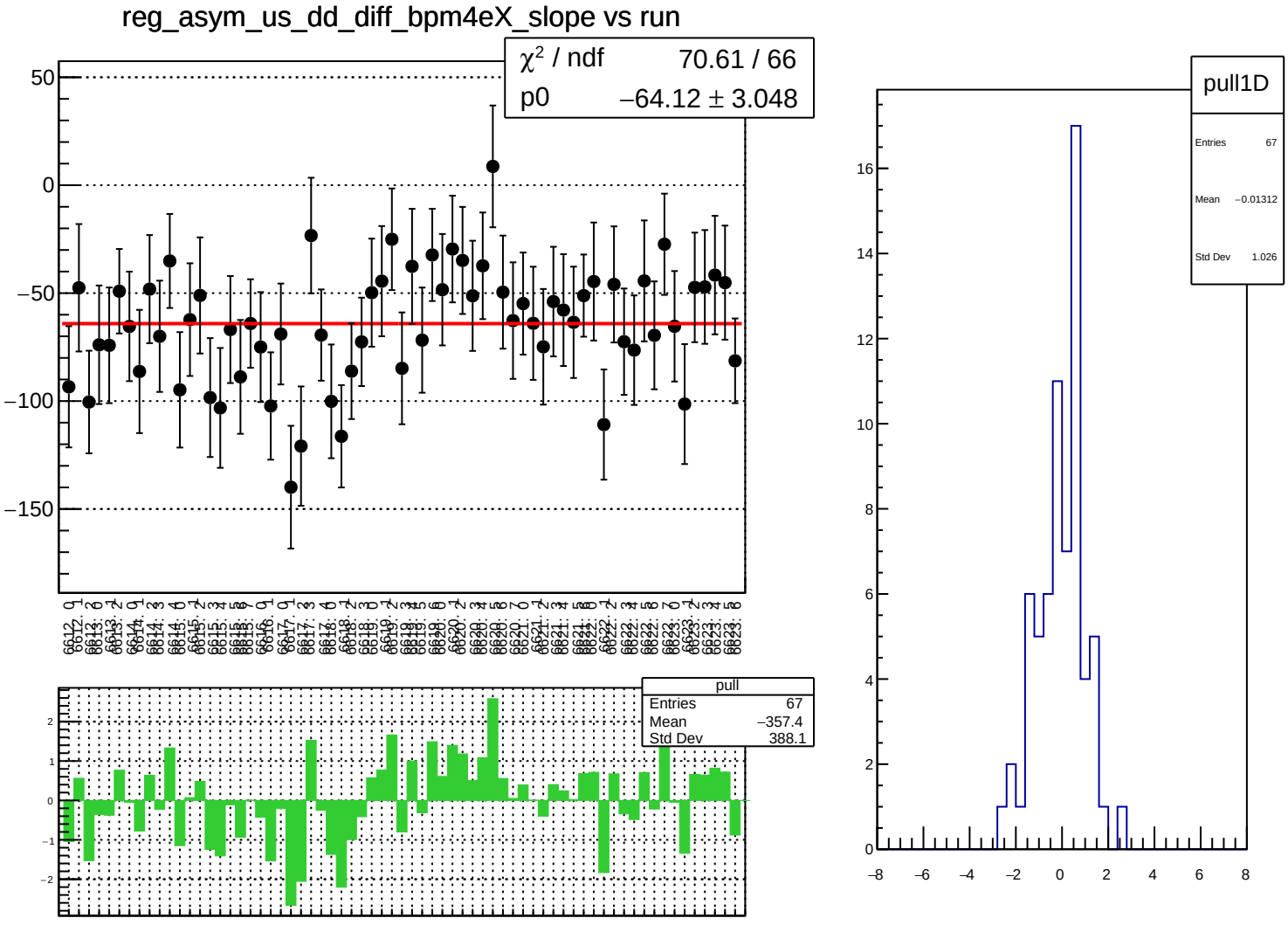

pull1D
Entries 67
Mean −0.007738
Std Dev 1.267

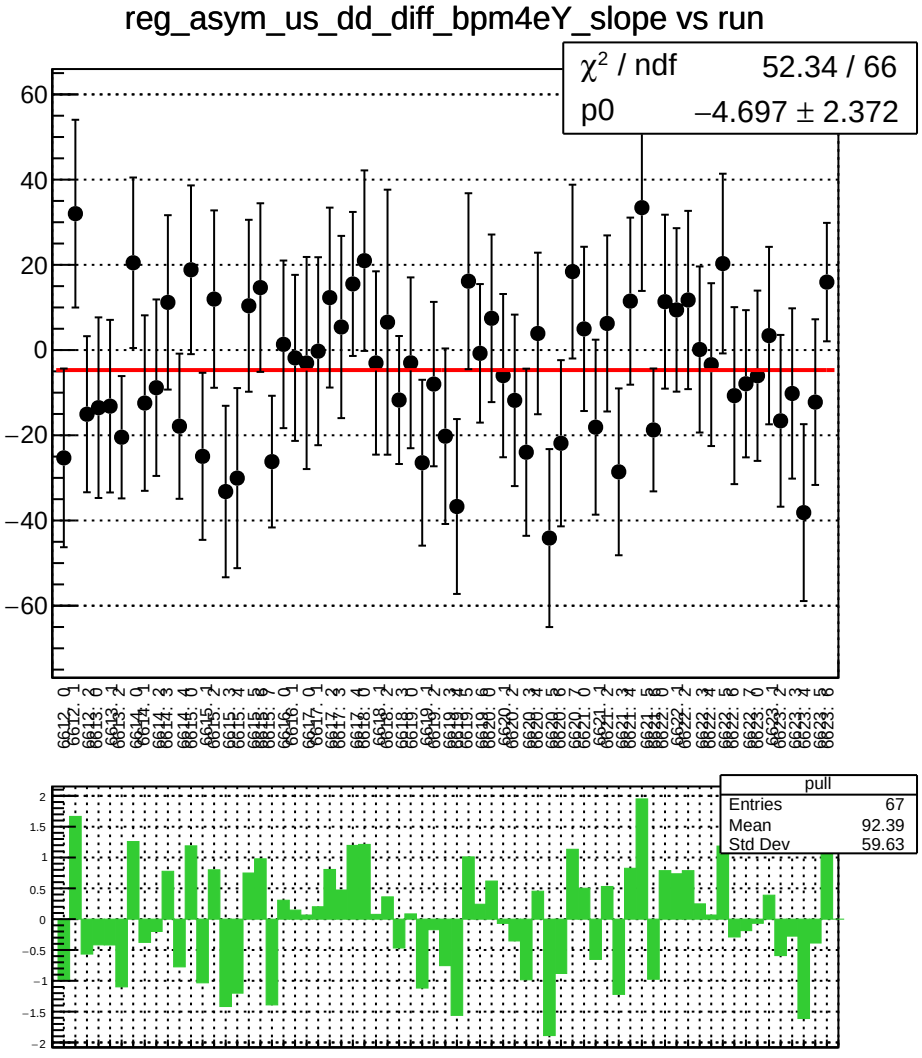

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 72.21 / 66
p0 −16.53 ± 2.855
pull
Entries 67
Mean −386.7
Std Dev 417.5

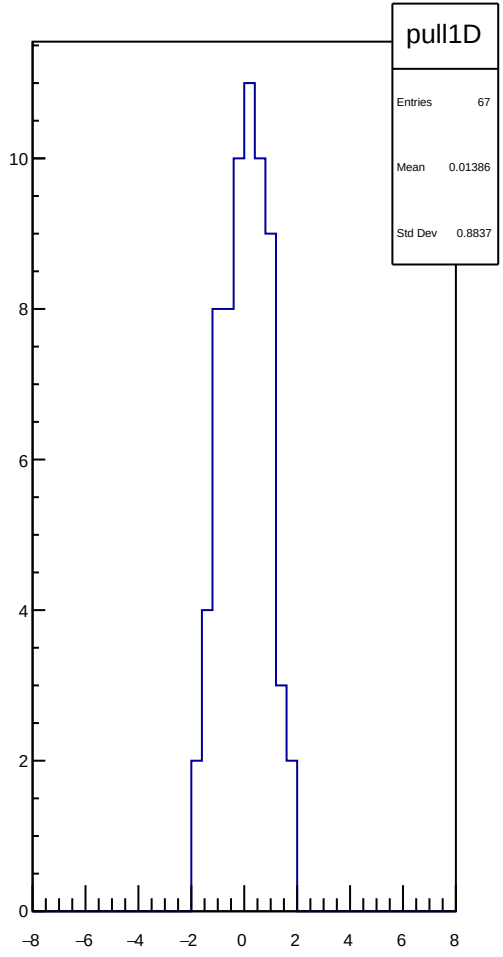

pull1D
Entries 67
Mean 0.01204
Std Dev 1.038

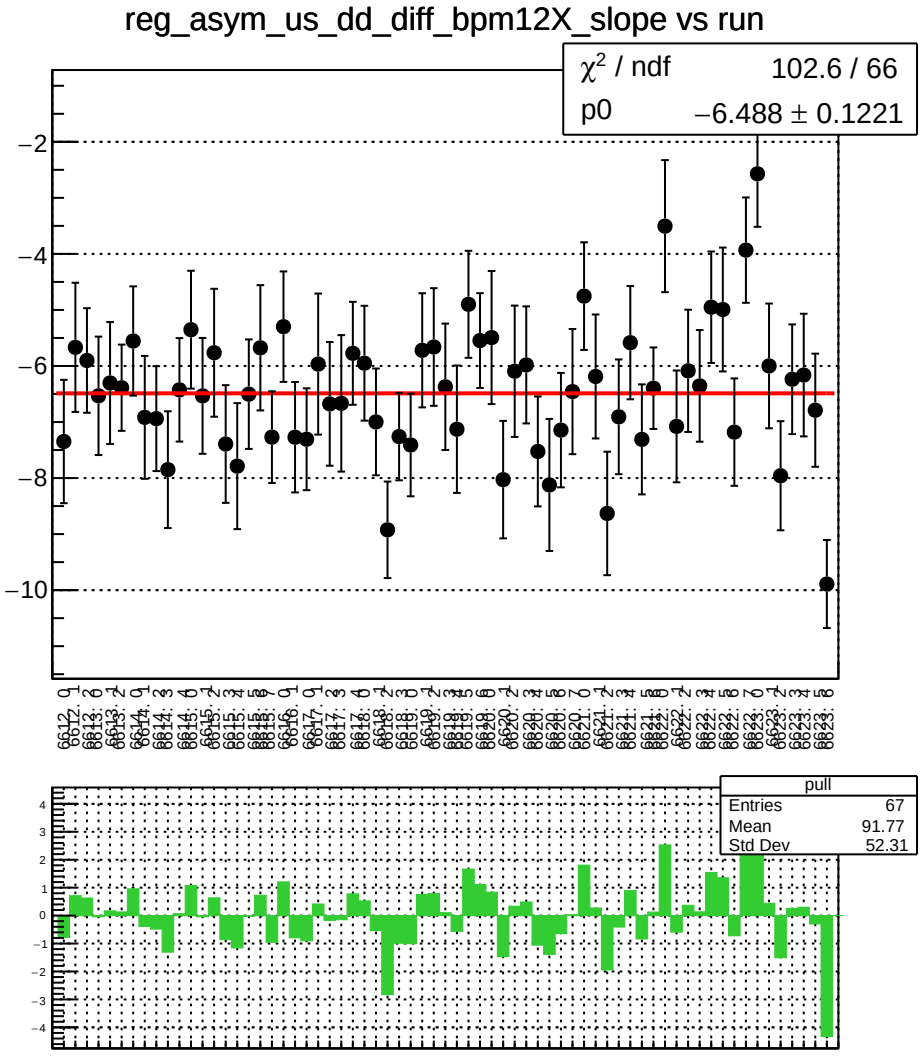

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 51.07 / 66
p0 2.669 ± 1.984
pull
Entries 67
Mean 89.99
Std Dev 60.11

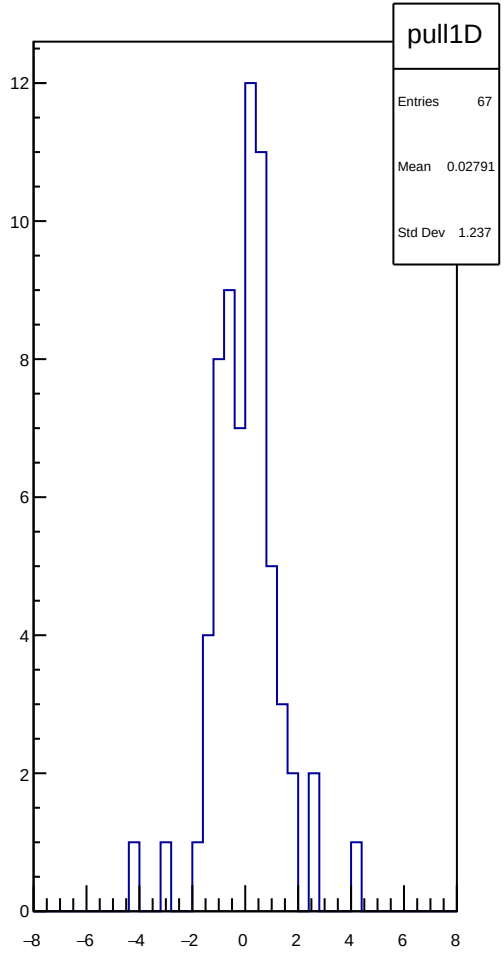

pull1D
Entries 67
Mean −0.02233
Std Dev 0.8728

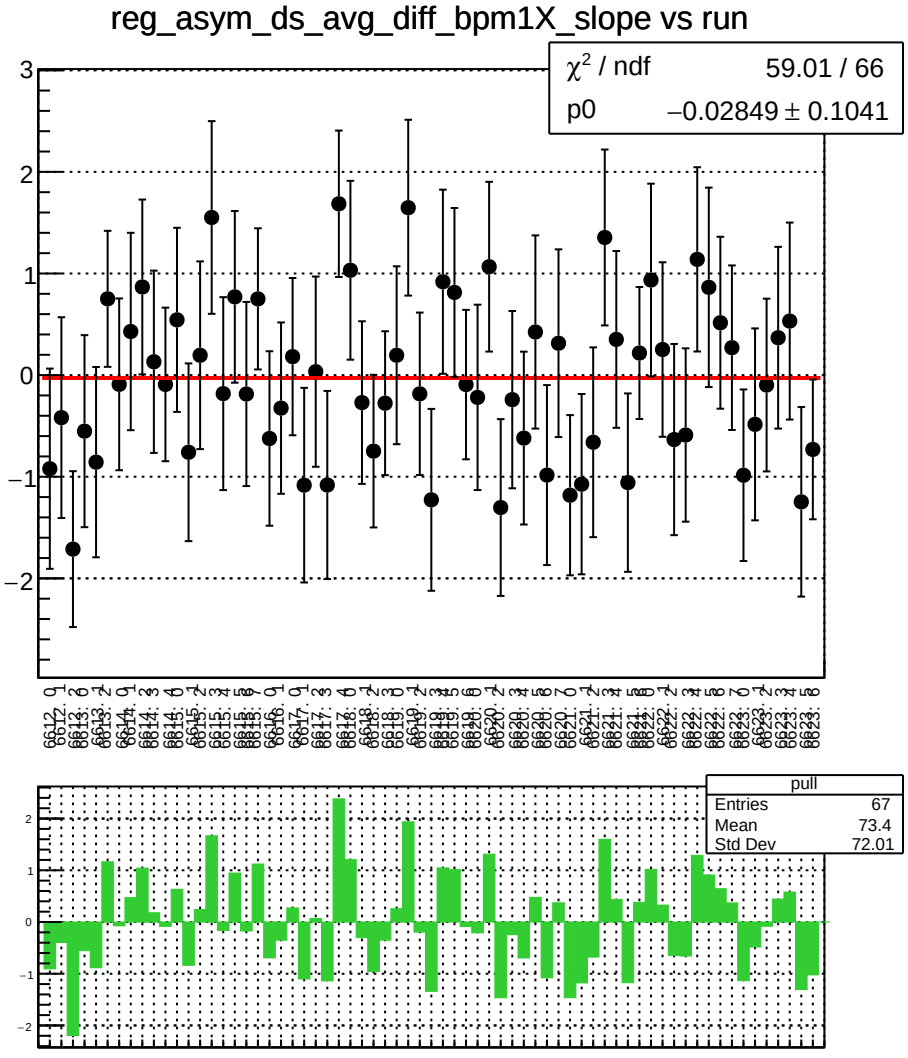

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 70.61 / 66
p0 −64.12 ± 3.048
pull
Entries 67
Mean −357.4
Std Dev 388.1
pull1D
Entries 67
Mean −0.01312
Std Dev 1.026

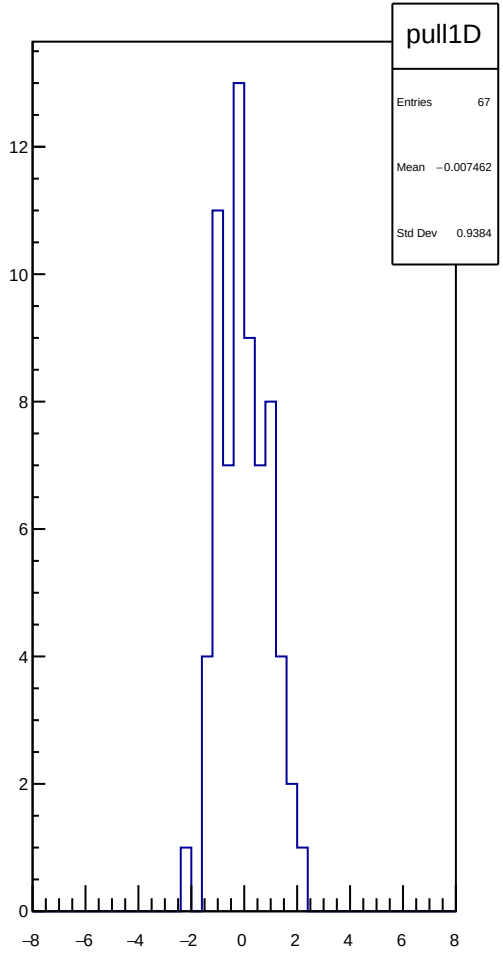

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.34 / 66
p0 −4.697 ± 2.372
pull
Entries 67
Mean 92.39
Std Dev 59.63

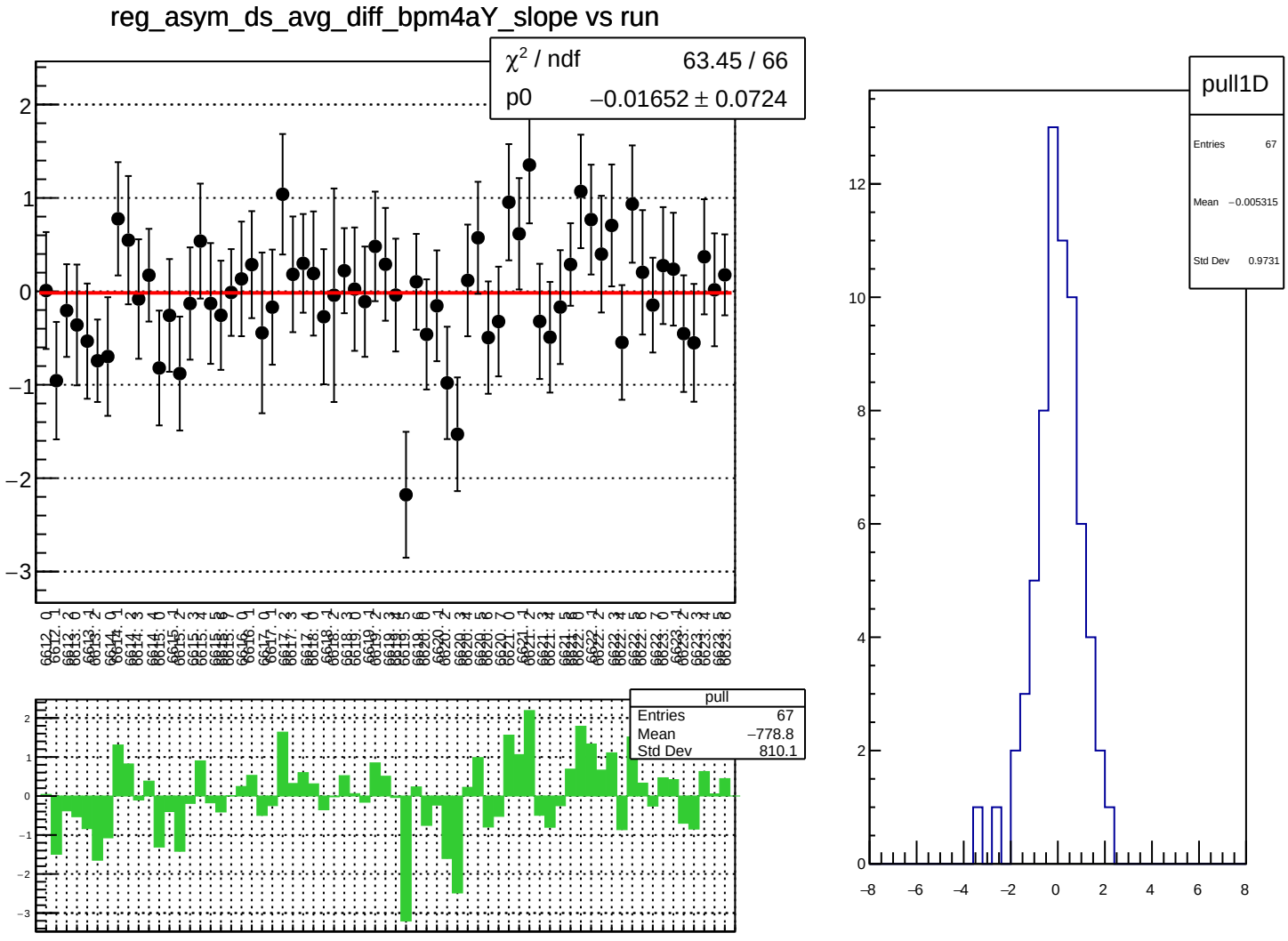

pull1D
Entries 67
Mean 0.01386
Std Dev 0.8837

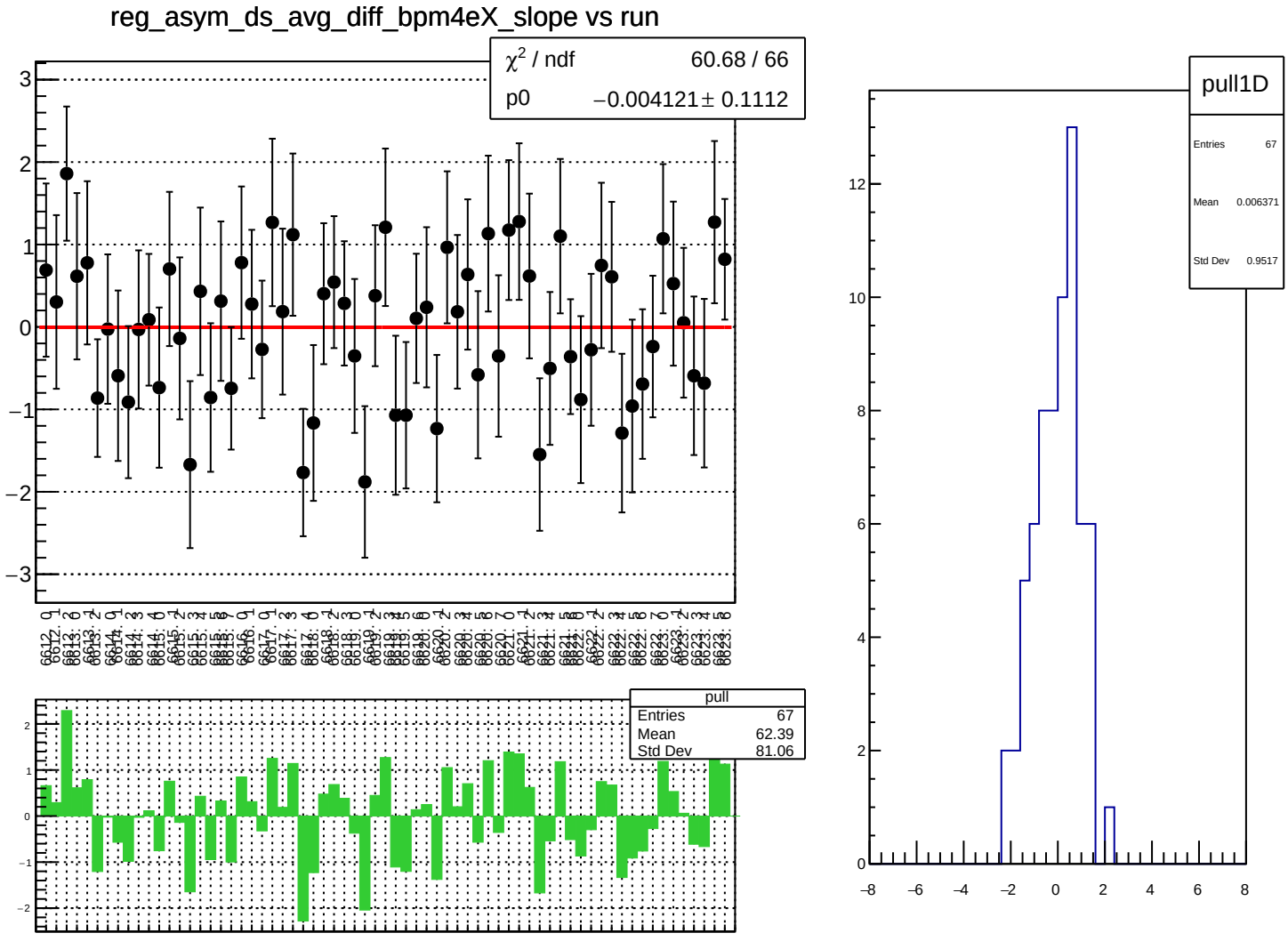

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 102.6 / 66
p0 −6.488 ± 0.1221
pull
Entries 67
Mean 91.77
Std Dev 52.31

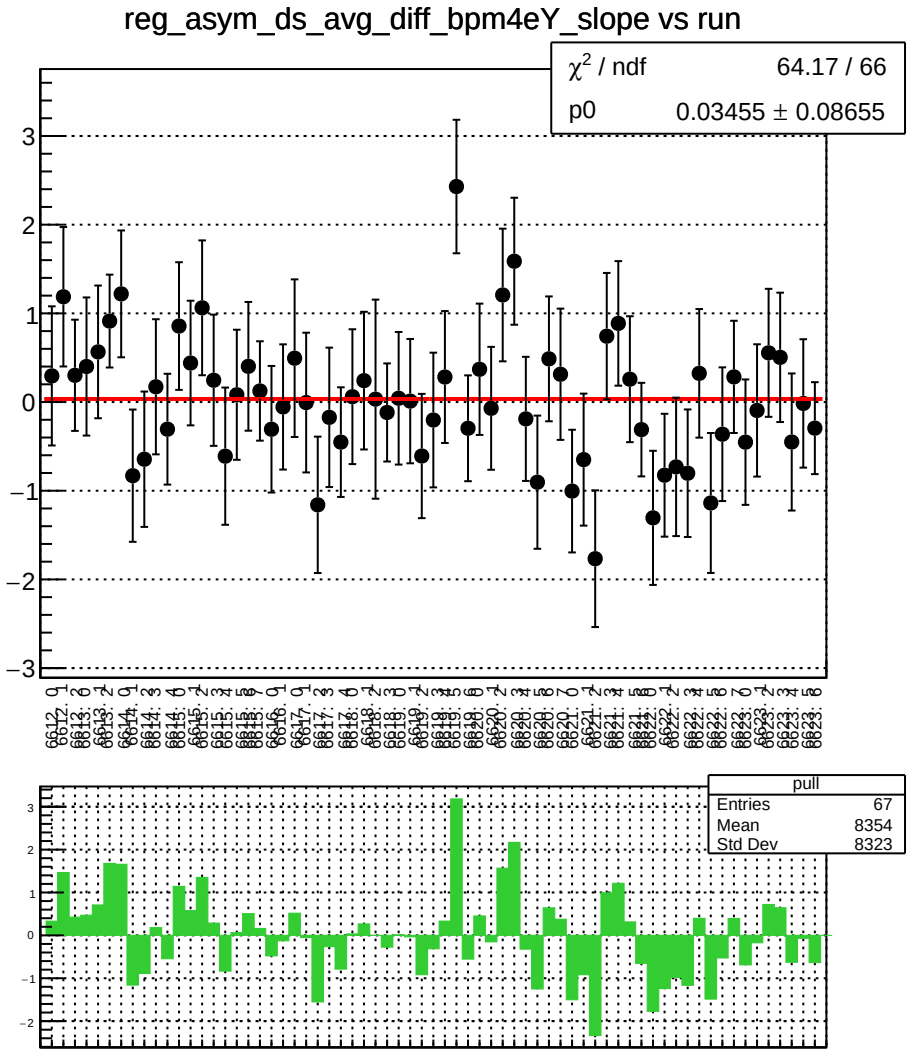

pull1D
Entries 67
Mean 0.02791
Std Dev 1.237

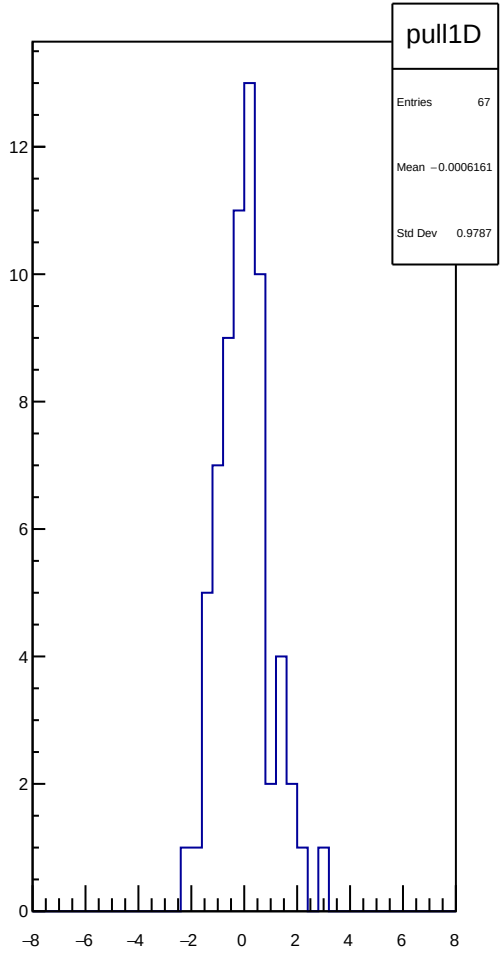

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 59.01 / 66
p0 −0.02849 ± 0.1041
pull
Entries 67
Mean 73.4
Std Dev 72.01

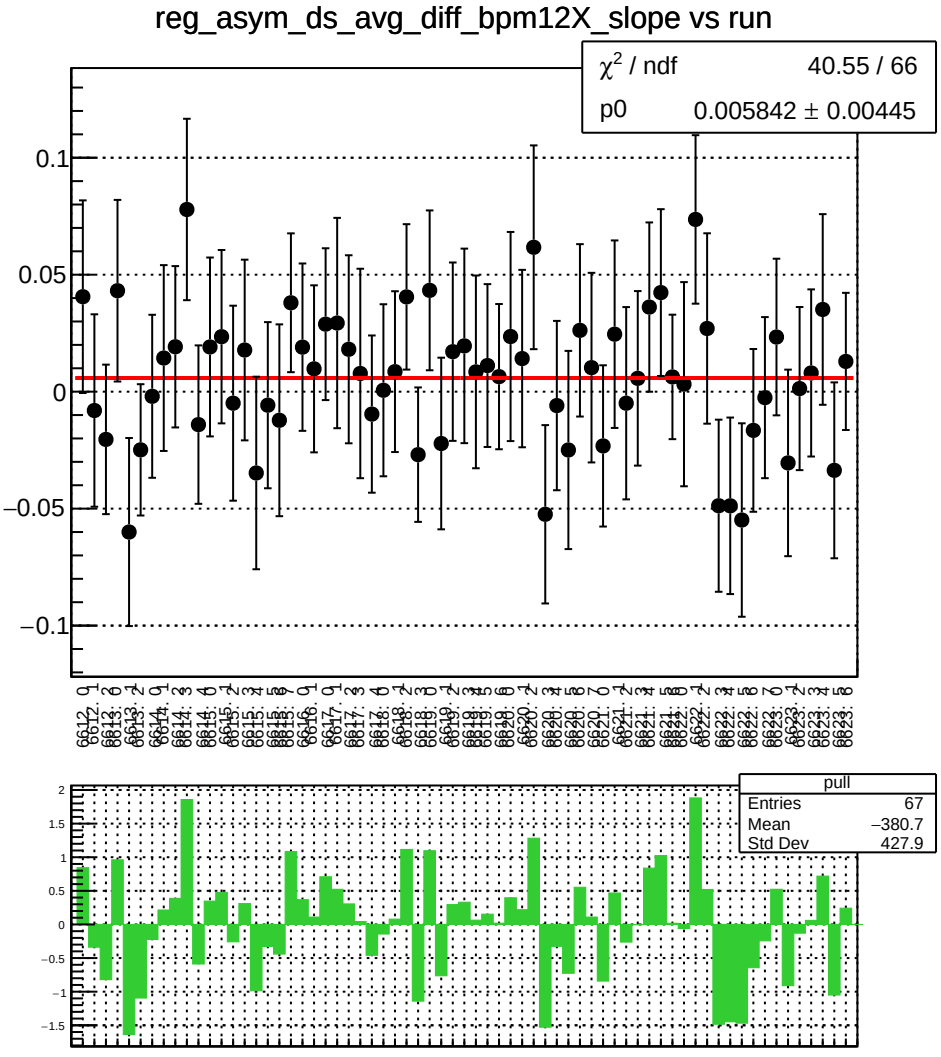

pull1D
Entries 67
Mean −0.007462
Std Dev 0.9384

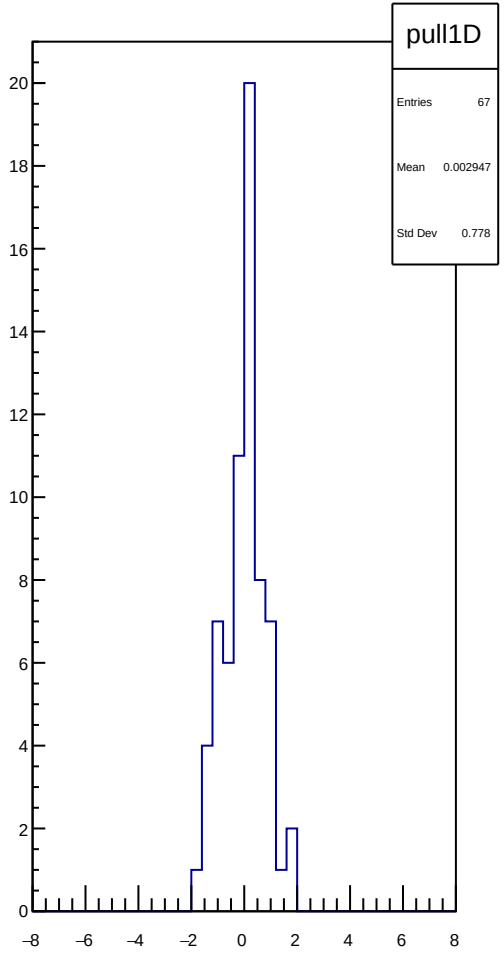

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.45 / 66
p0 −0.01652 ± 0.0724
pull
Entries 67
Mean −778.8
Std Dev 810.1
pull1D
Entries 67
Mean −0.005315
Std Dev 0.9731

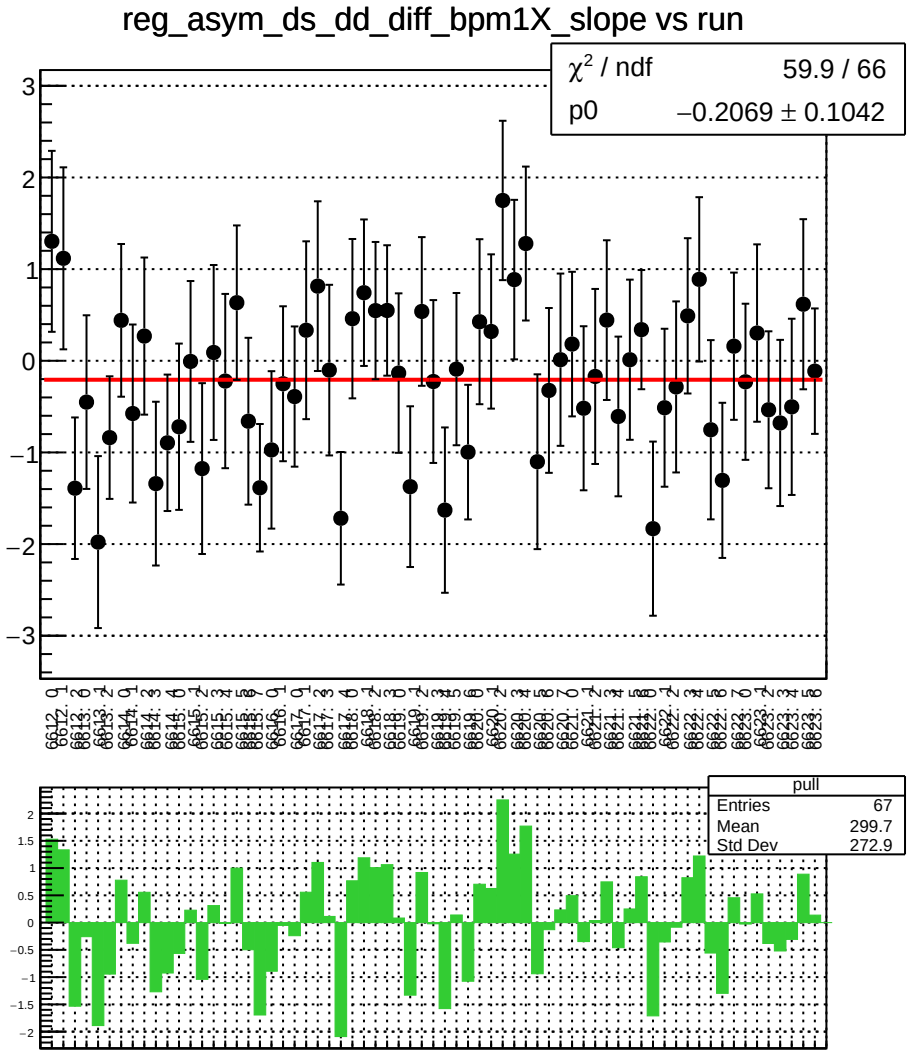

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.68 / 66
p0 −0.004121 ± 0.1112
pull
Entries 67
Mean 62.39
Std Dev 81.06
pull1D
Entries 67
Mean 0.006371
Std Dev 0.9517

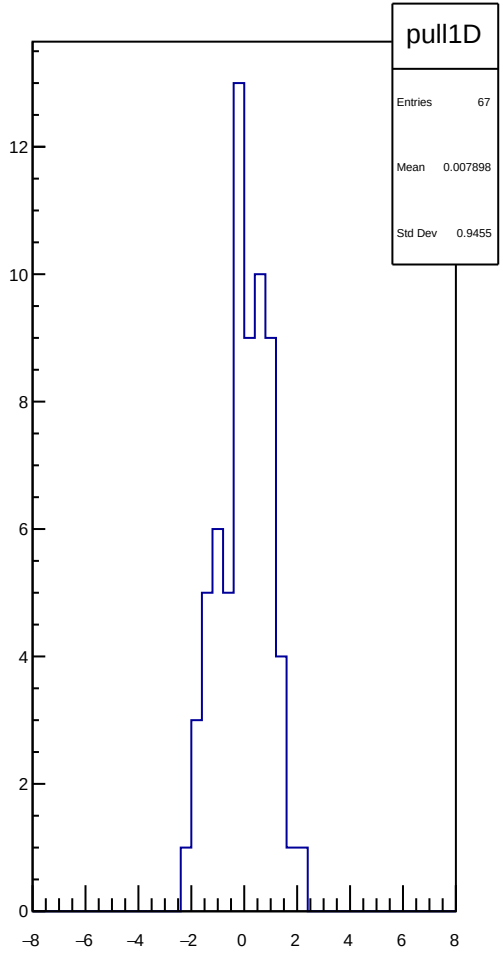

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 64.17 / 66
p0 0.03455 ± 0.08655
pull
Entries 67
Mean 8354
Std Dev 8323

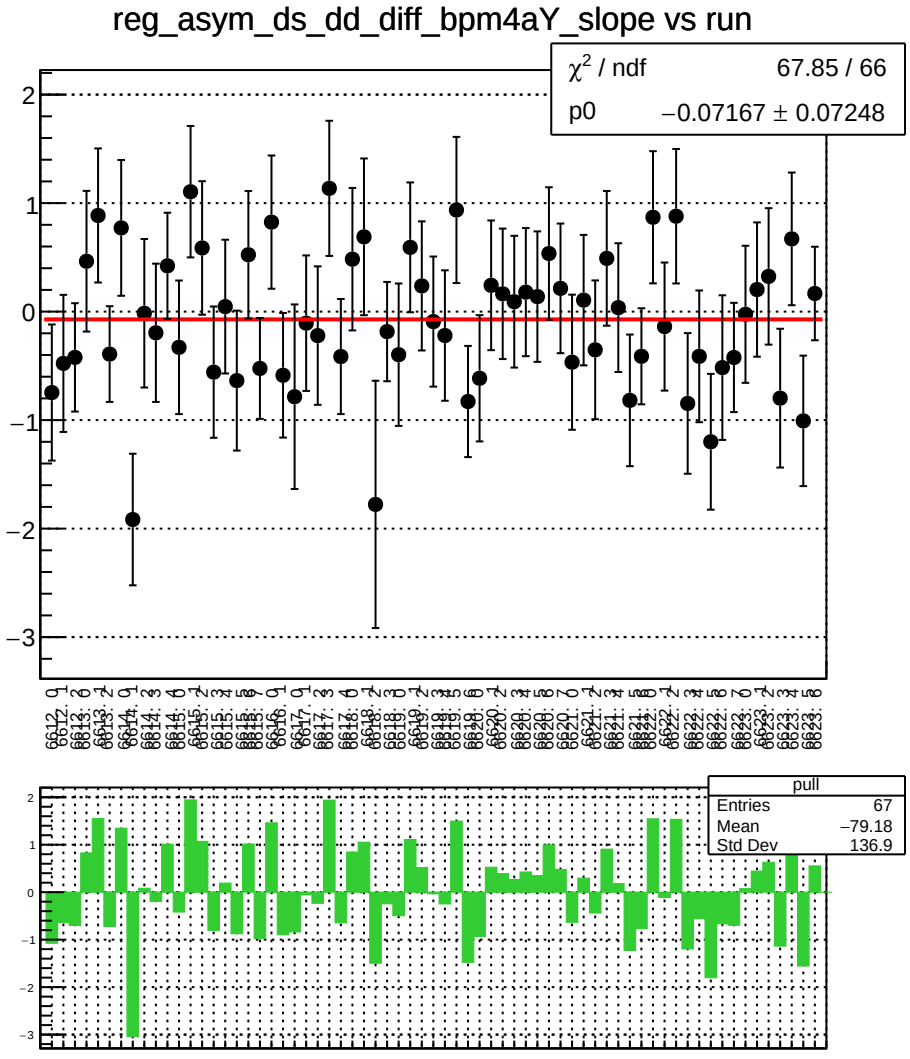

pull1D
Entries 67
Mean −0.0006161
Std Dev 0.9787

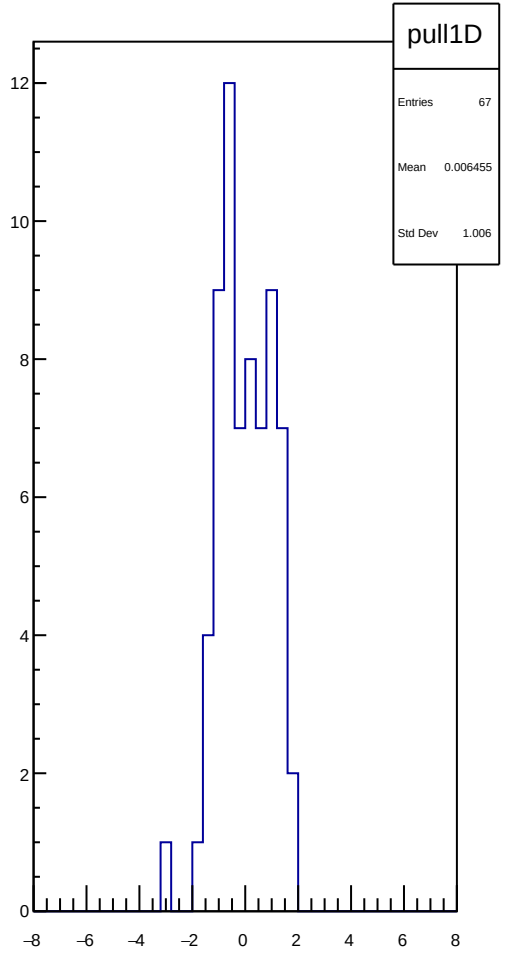

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 40.55 / 66
p0 0.005842 ± 0.00445
pull
Entries 67
Mean −380.7
Std Dev 427.9

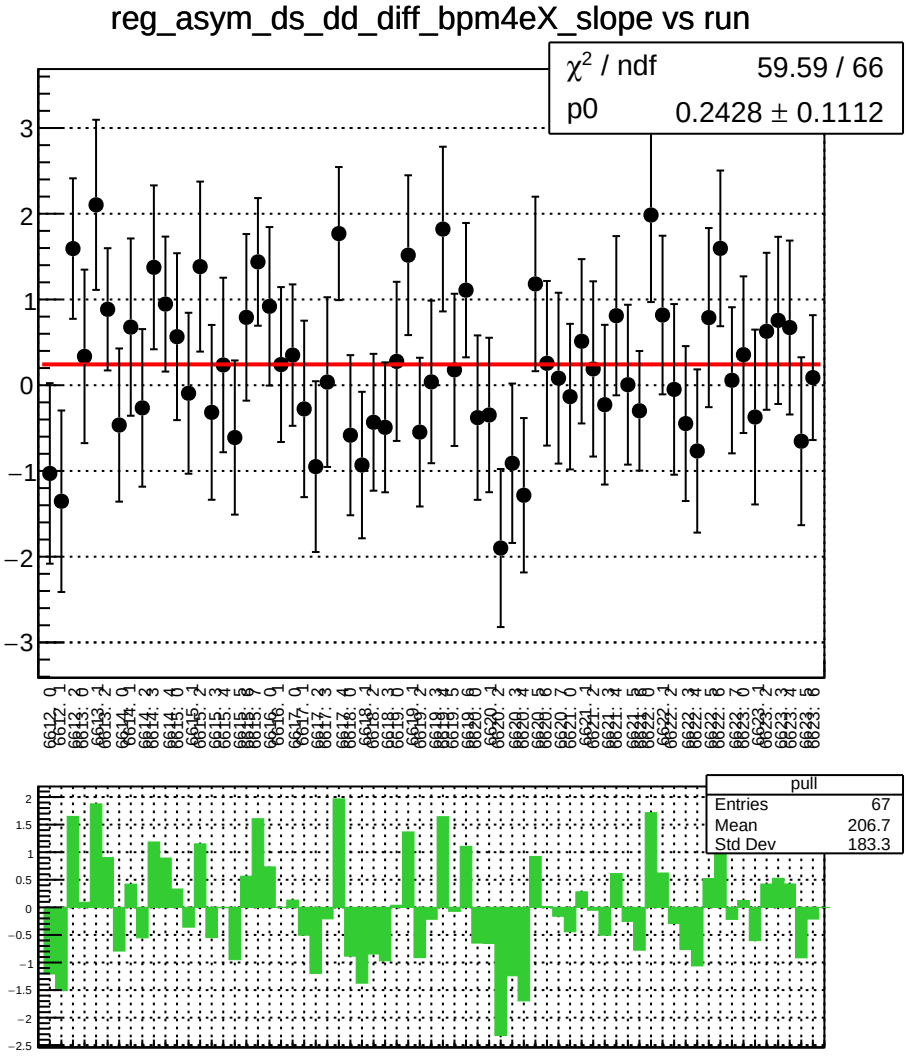

pull1D
Entries 67
Mean 0.002947
Std Dev 0.778

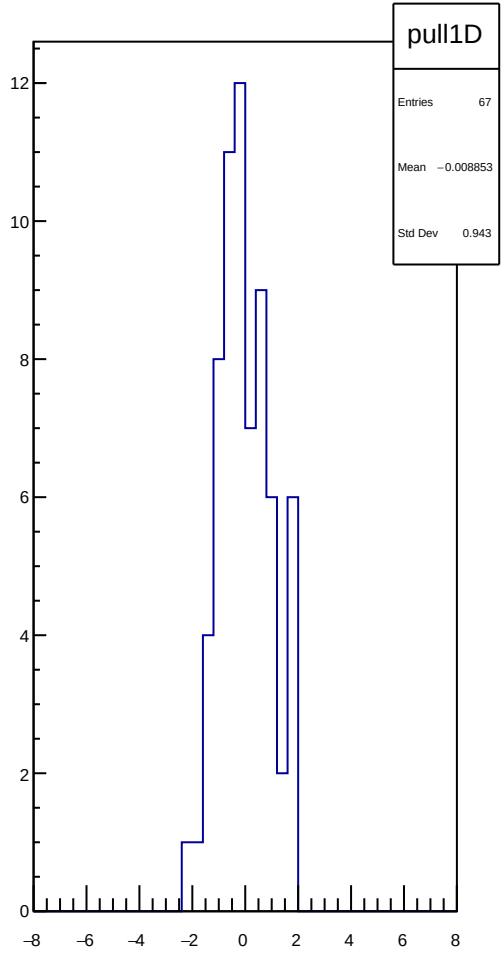

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 59.9 / 66
p0 −0.2069 ± 0.1042
pull
Entries 67
Mean 299.7
Std Dev 272.9

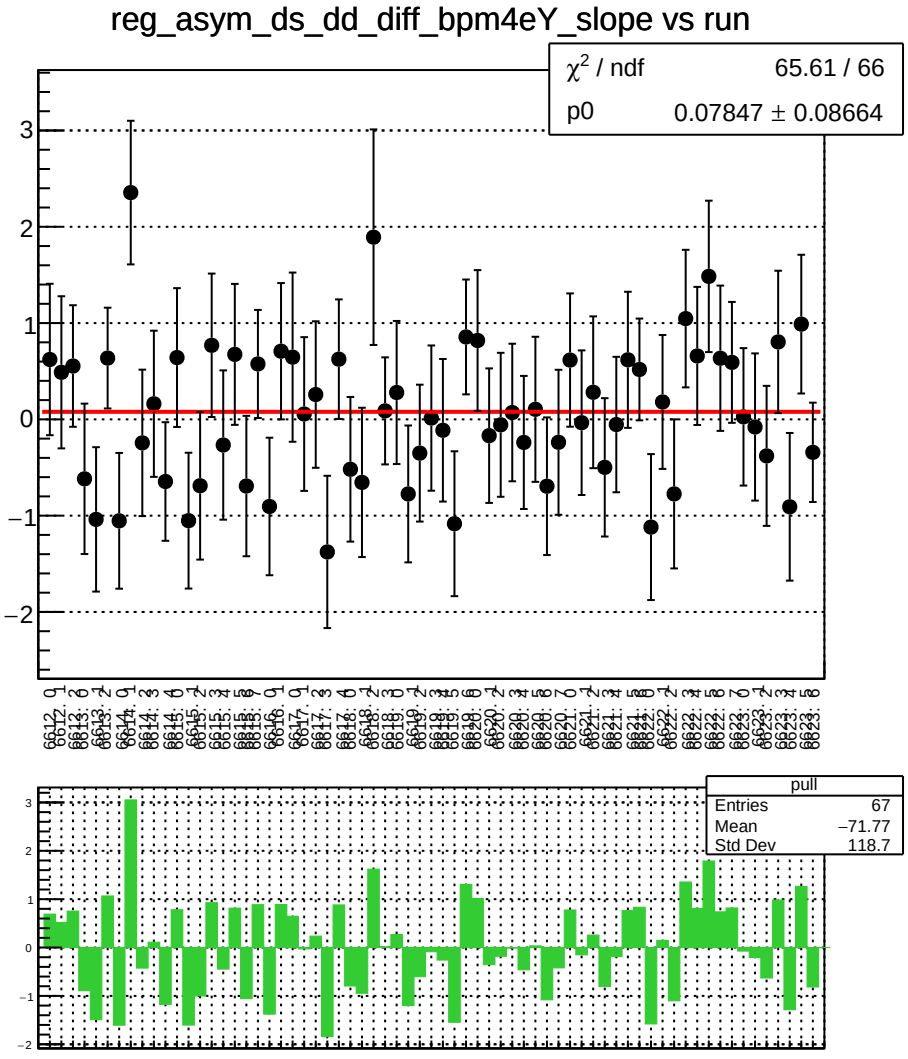

pull1D
Entries 67
Mean 0.007898
Std Dev 0.9455

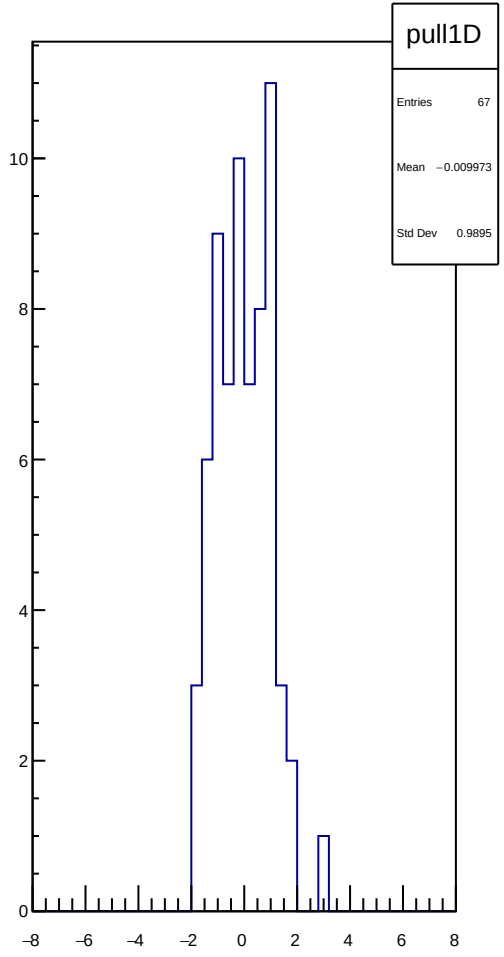

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 67.85 / 66
p0 −0.07167 ± 0.07248
pull
Entries 67
Mean −79.18
Std Dev 136.9

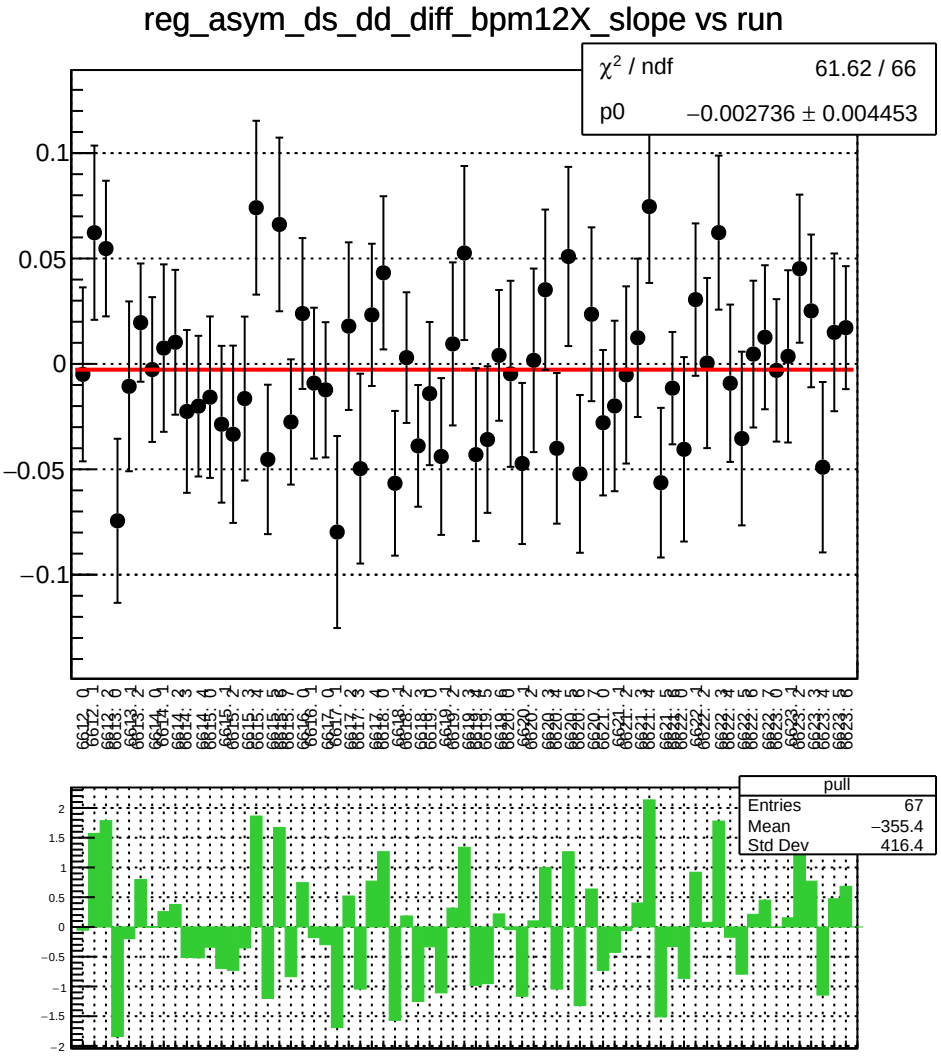

pull1D
Entries 67
Mean 0.006455
Std Dev 1.006

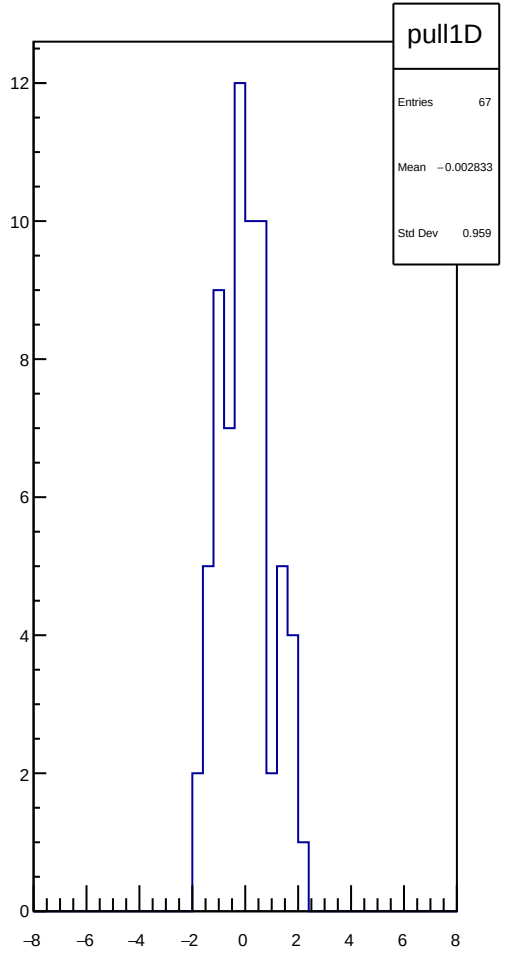

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 59.59 / 66
p0 0.2428 ± 0.1112
pull
Entries 67
Mean 206.7
Std Dev 183.3

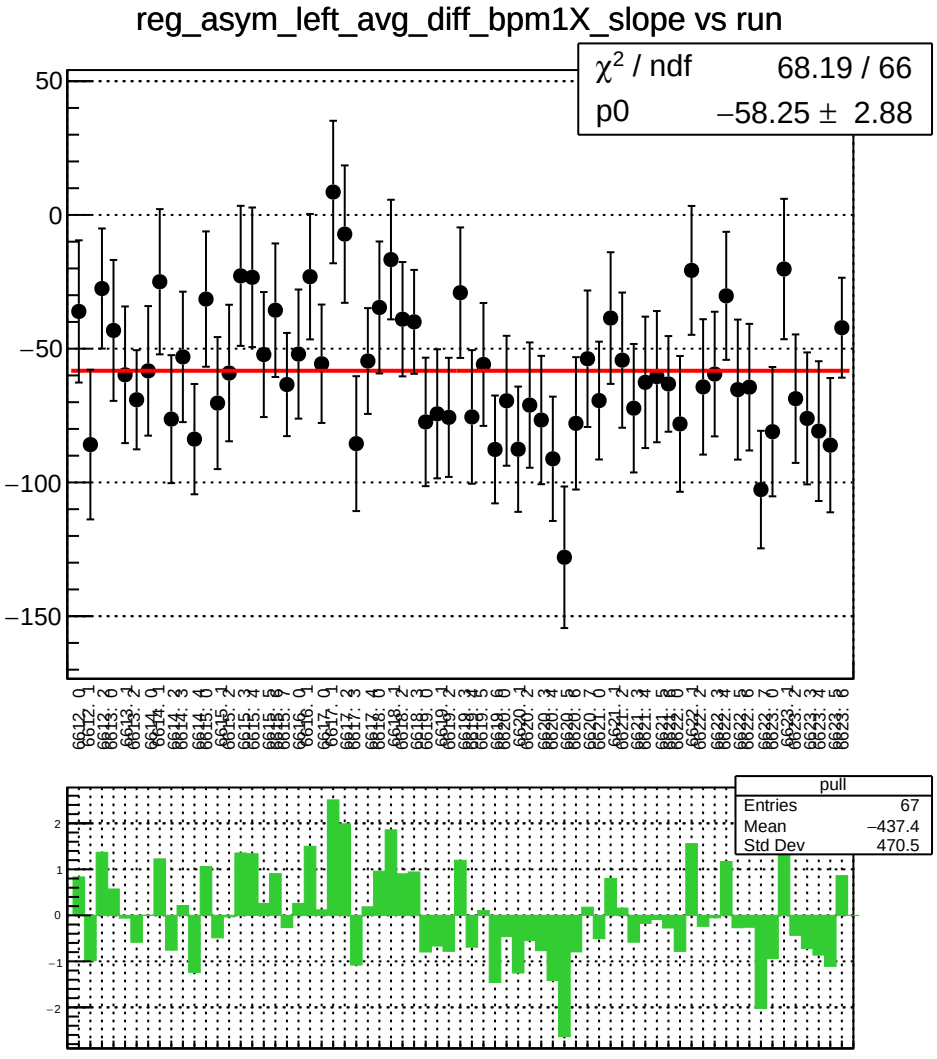

pull1D
Entries 67
Mean −0.008853
Std Dev 0.943

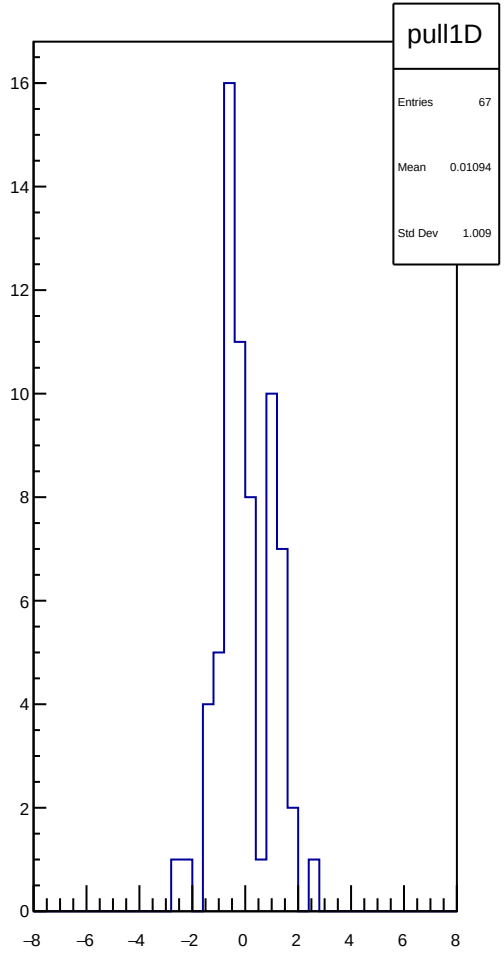

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.61 / 66
p0 0.07847 ± 0.08664
pull
Entries 67
Mean −71.77
Std Dev 118.7

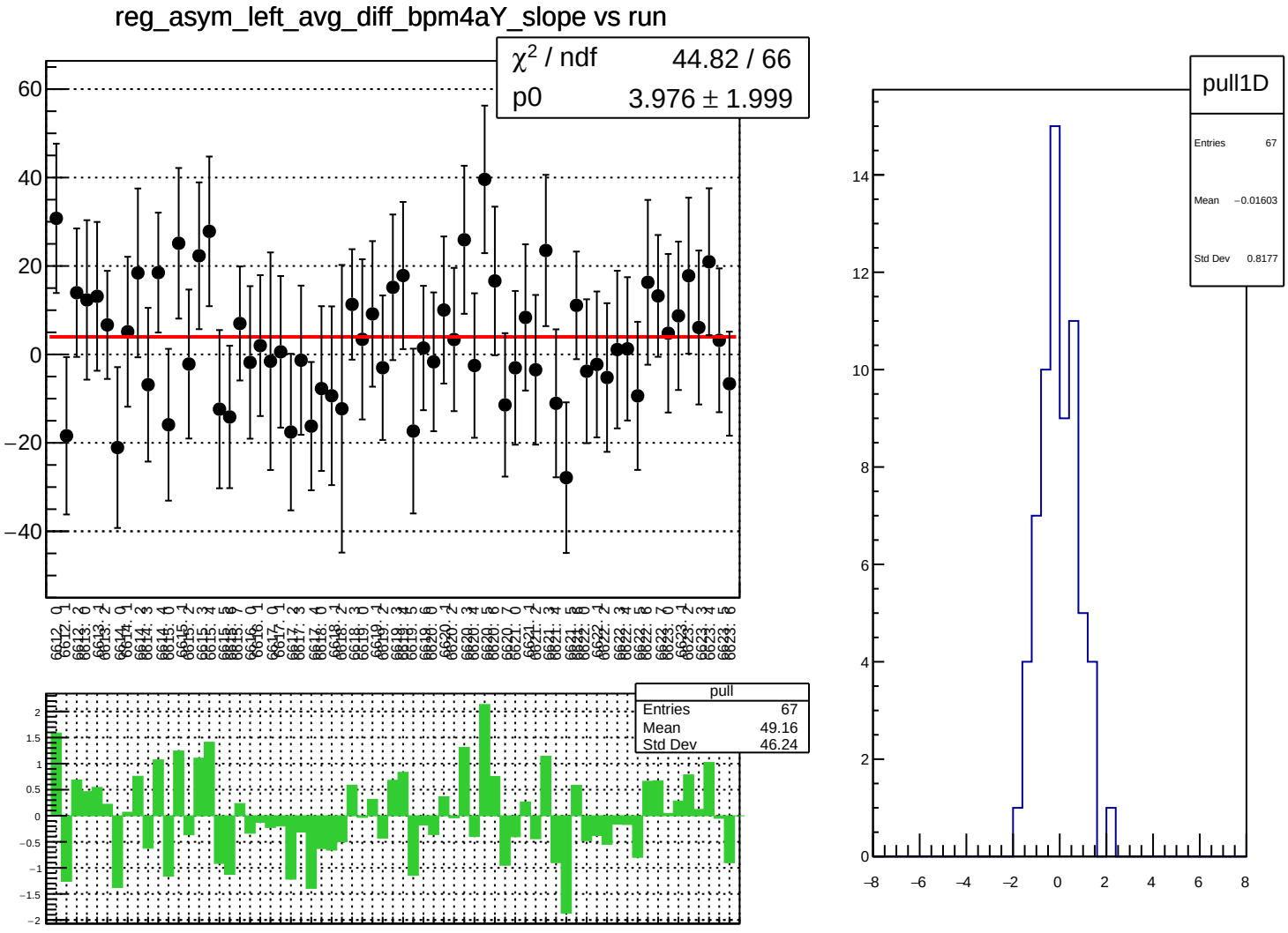

pull1D
Entries 67
Mean −0.009973
Std Dev 0.9895

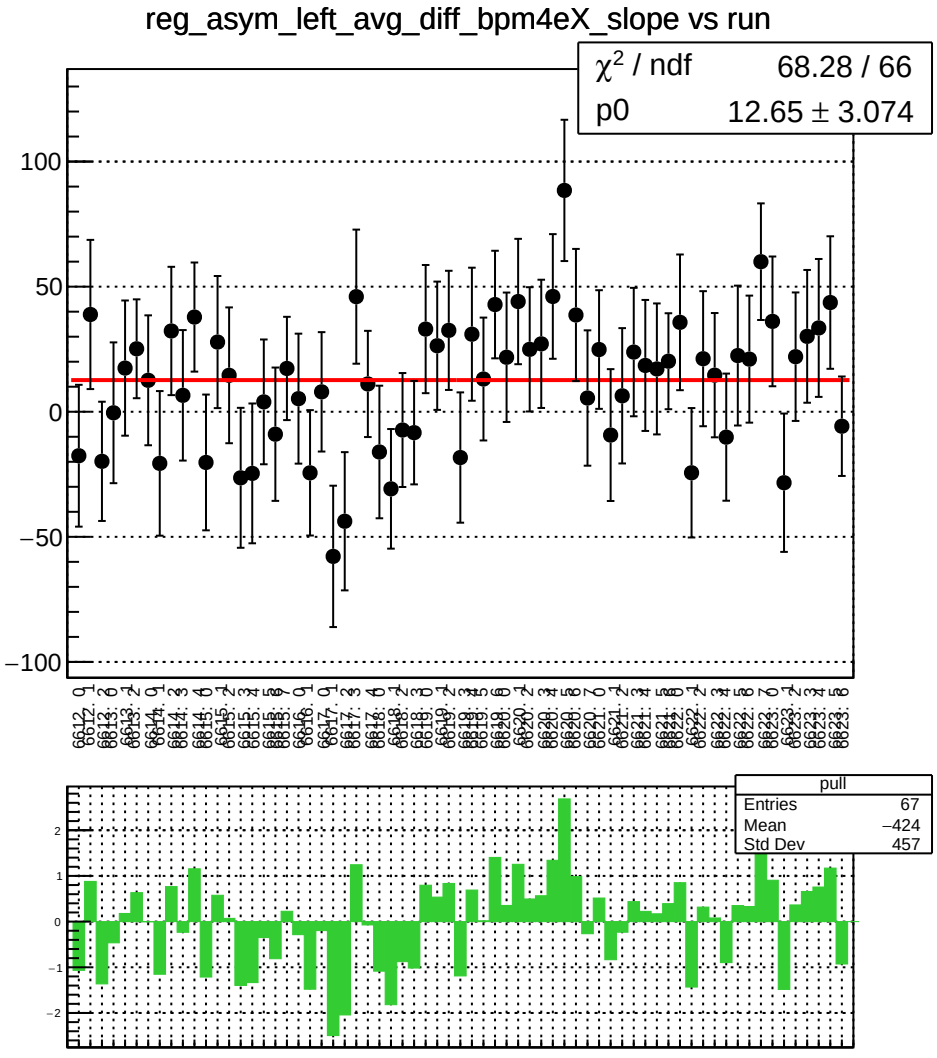

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 61.62 / 66
p0 −0.002736 ± 0.004453
pull
Entries 67
Mean −355.4
Std Dev 416.4

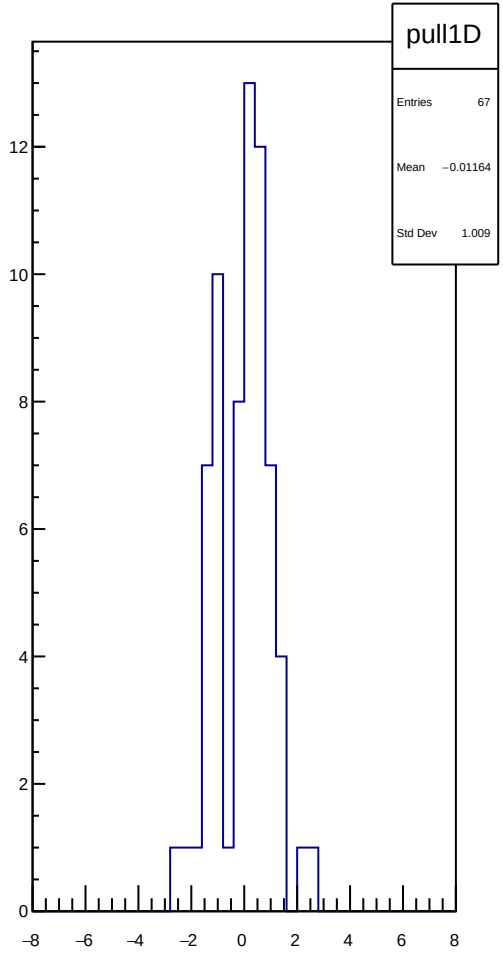

pull1D
Entries 67
Mean −0.002833
Std Dev 0.959

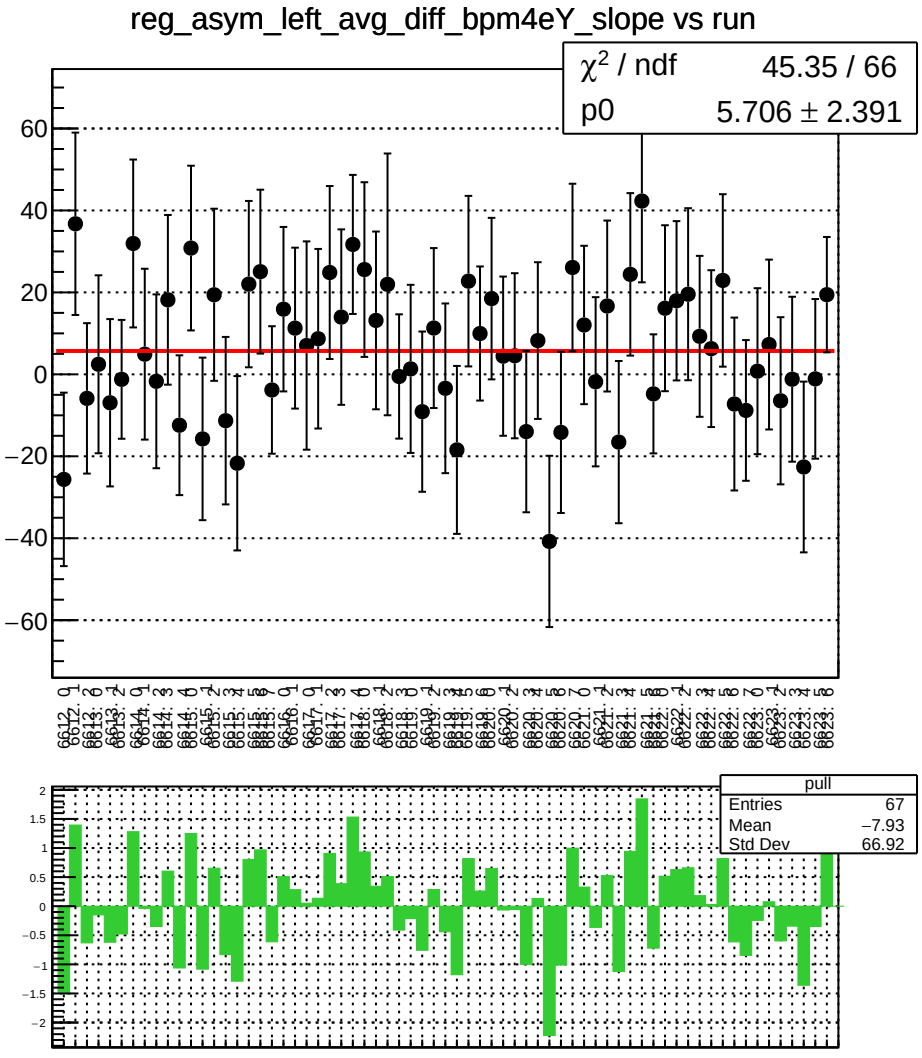

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 68.19 / 66
p0 −58.25 ± 2.88
pull
Entries 67
Mean −437.4
Std Dev 470.5

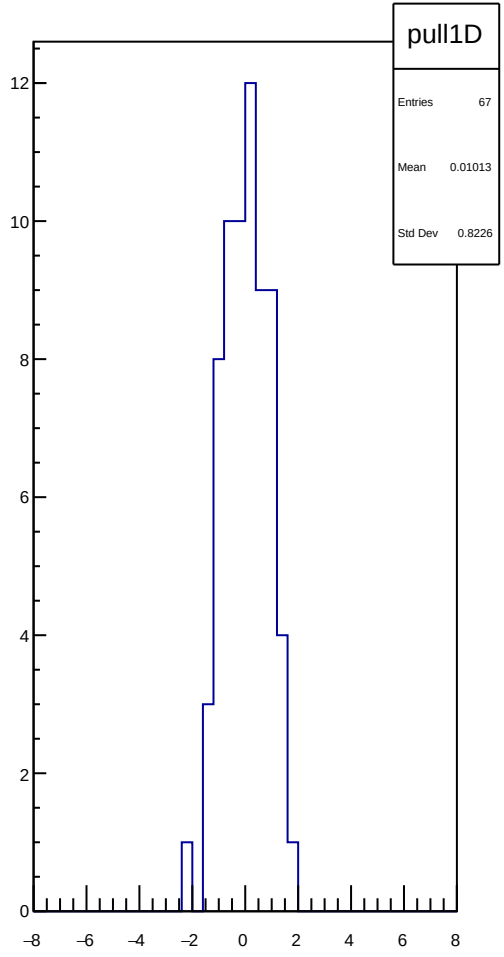

pull1D
Entries 67
Mean 0.01094
Std Dev 1.009

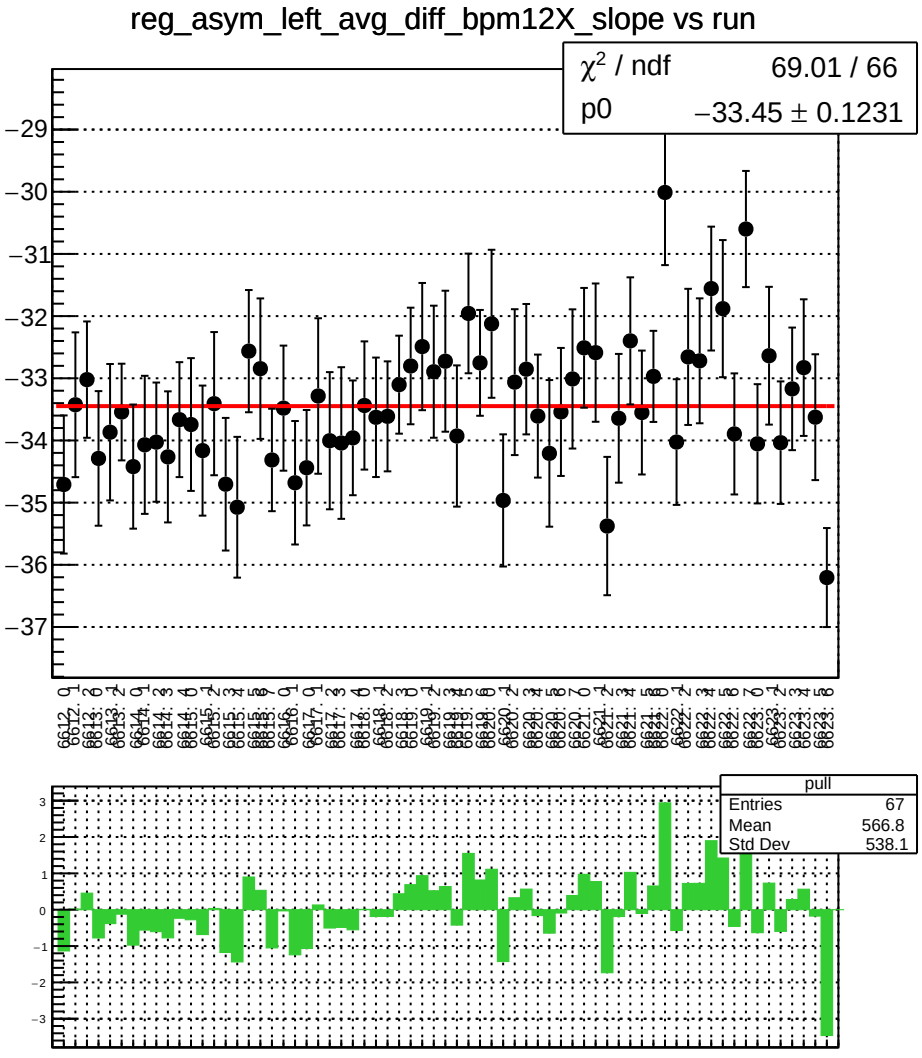

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.82 / 66
p0 3.976 ± 1.999
pull
Entries 67
Mean 49.16
Std Dev 46.24
pull1D
Entries 67
Mean −0.01603
Std Dev 0.8177

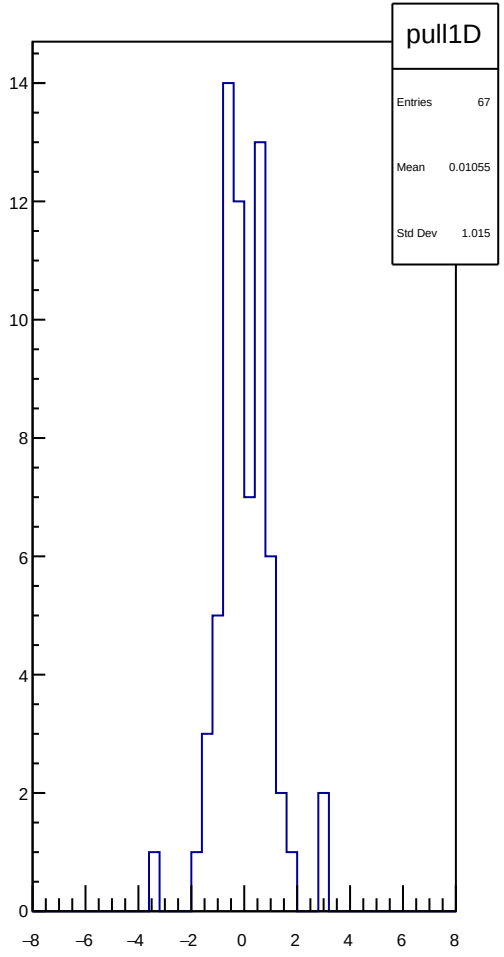

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 68.28 / 66
p0 12.65 ± 3.074
pull
Entries 67
Mean −424
Std Dev 457

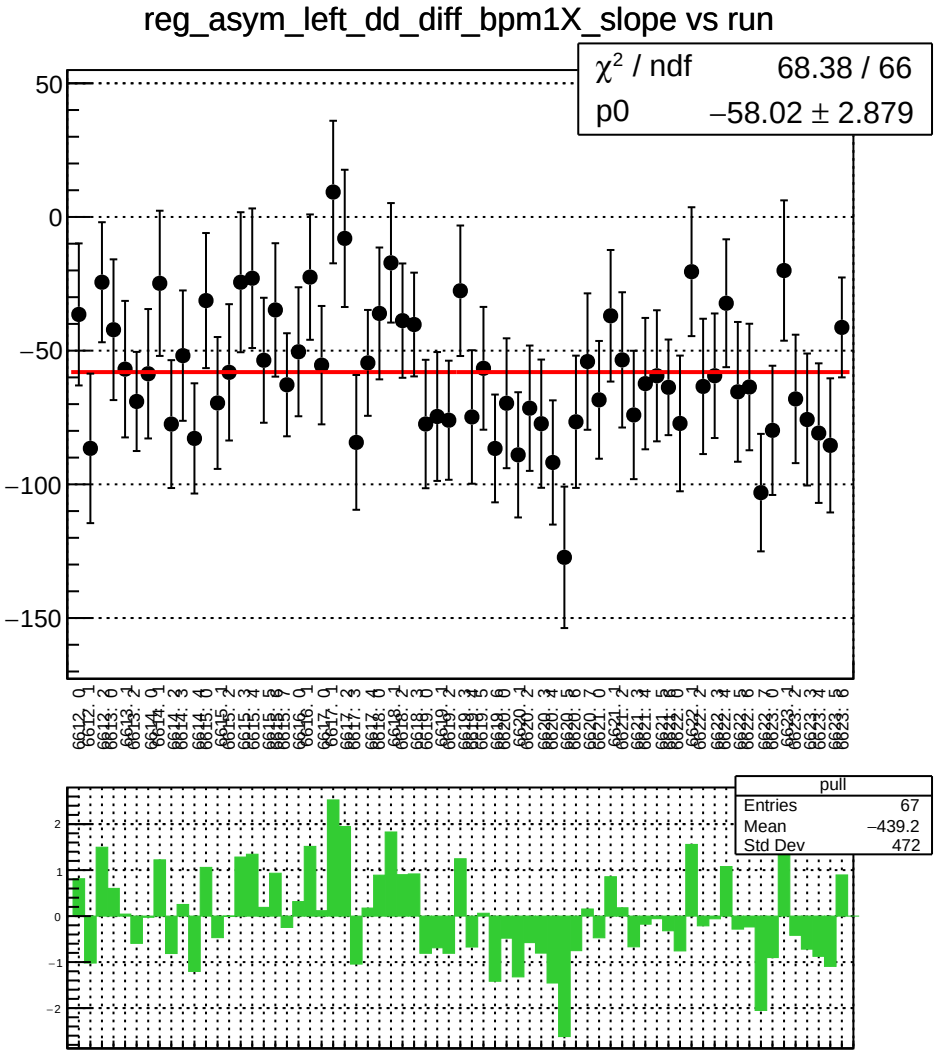

pull1D
Entries 67
Mean −0.01164
Std Dev 1.009

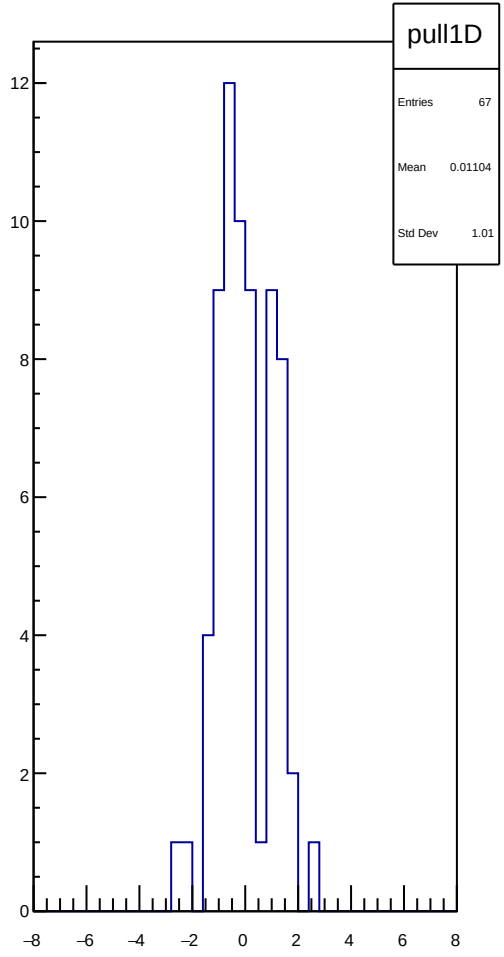

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 45.35 / 66
p0 5.706 ± 2.391
pull
Entries 67
Mean −7.93
Std Dev 66.92

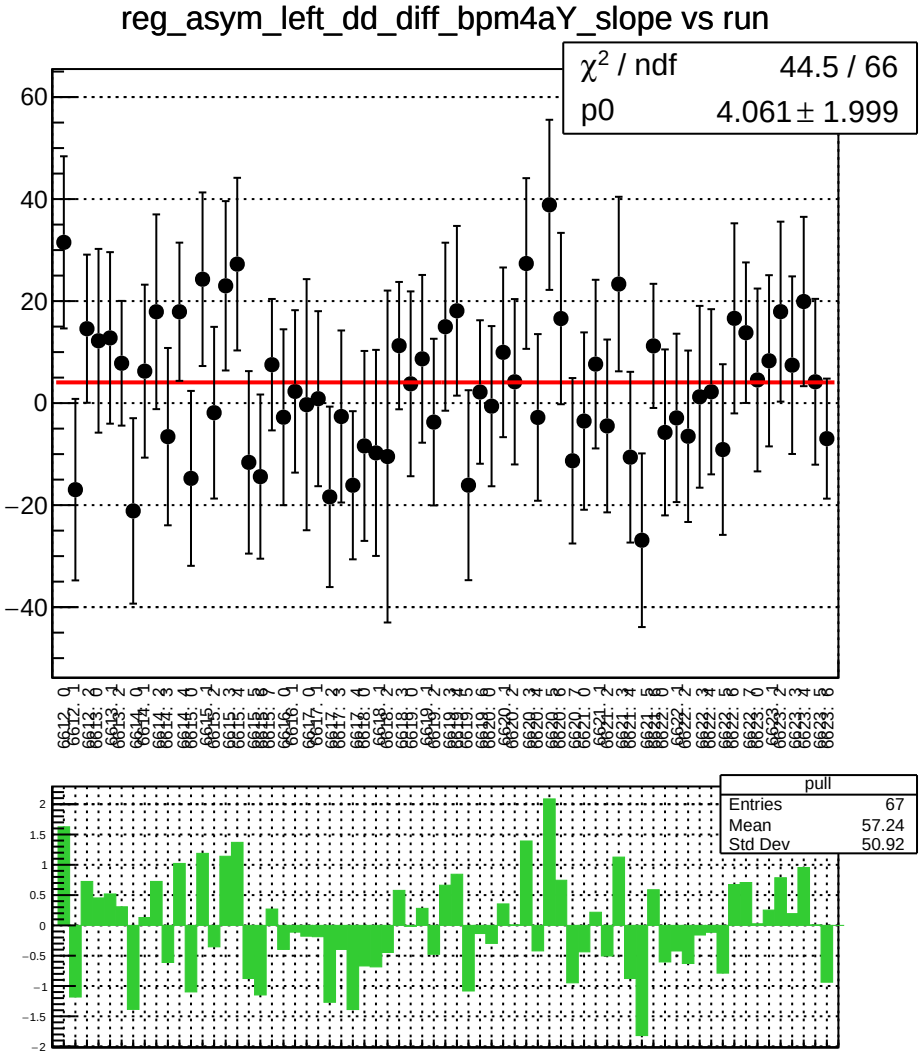

pull1D
Entries 67
Mean 0.01013
Std Dev 0.8226

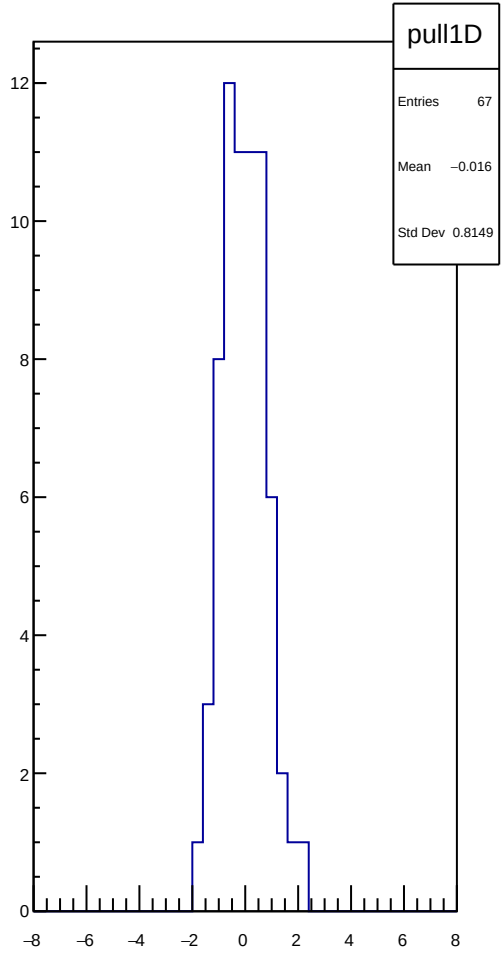

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 69.01 / 66
p0 −33.45 ± 0.1231
pull
Entries 67
Mean 566.8
Std Dev 538.1

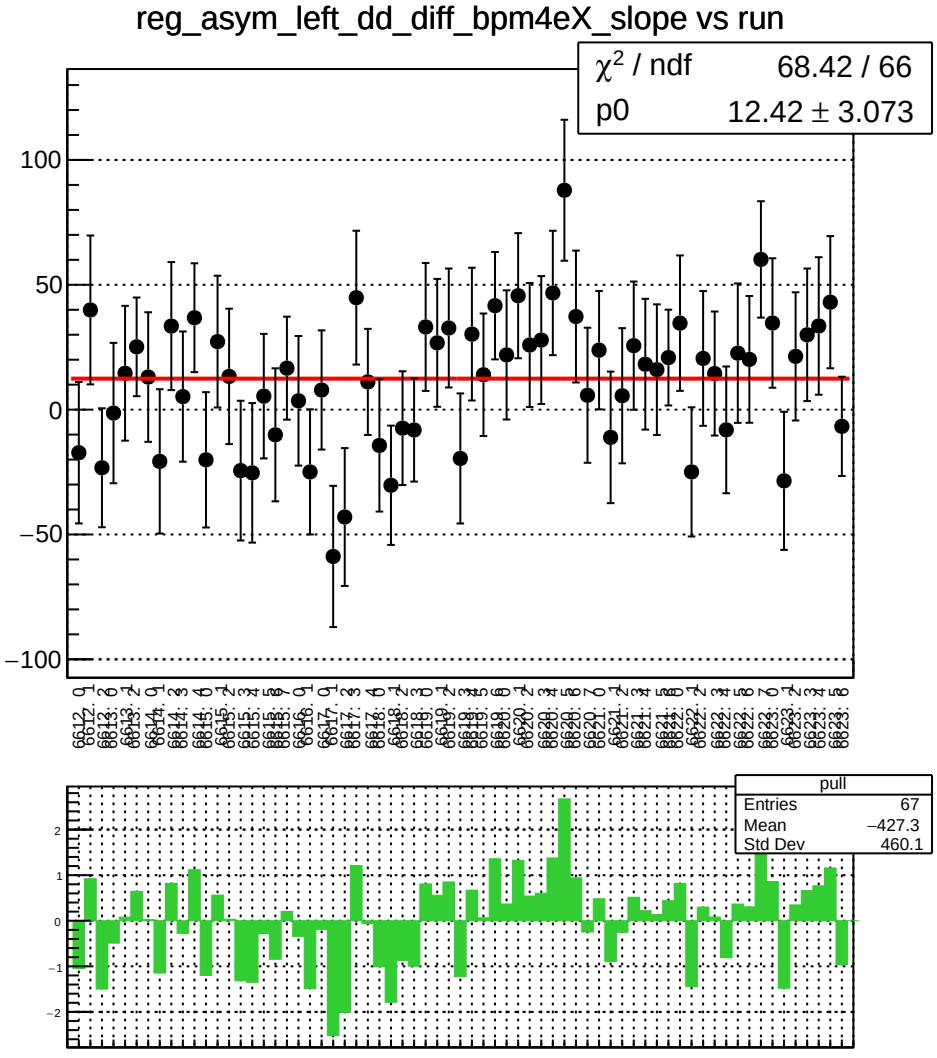

pull1D
Entries 67
Mean 0.01055
Std Dev 1.015

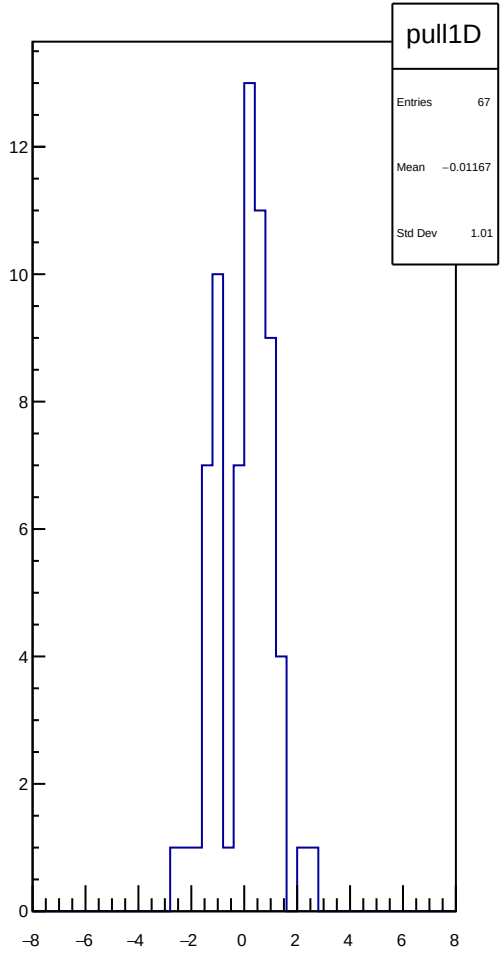

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 68.38 / 66
p0 −58.02 ± 2.879
pull
Entries 67
Mean −439.2
Std Dev 472

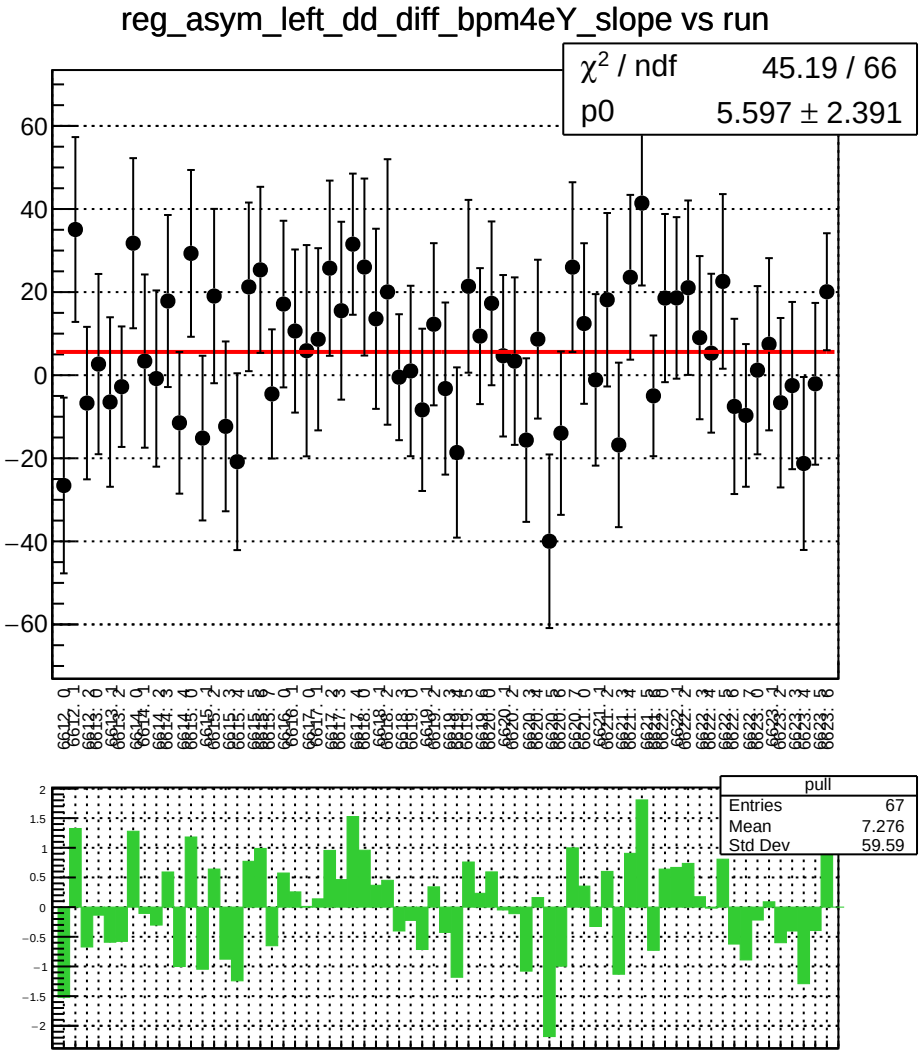

pull1D
Entries 67
Mean 0.01104
Std Dev 1.01

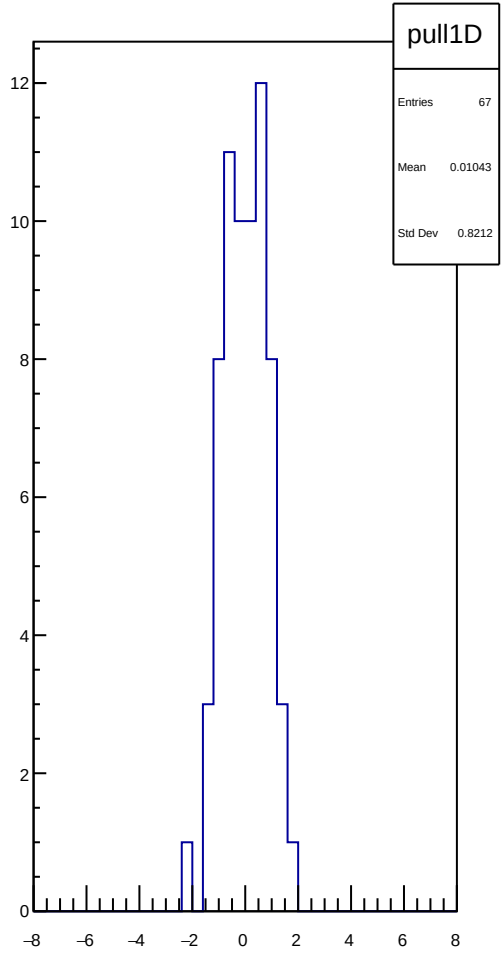

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 44.5 / 66
p0 4.061 ± 1.999
pull
Entries 67
Mean 57.24
Std Dev 50.92

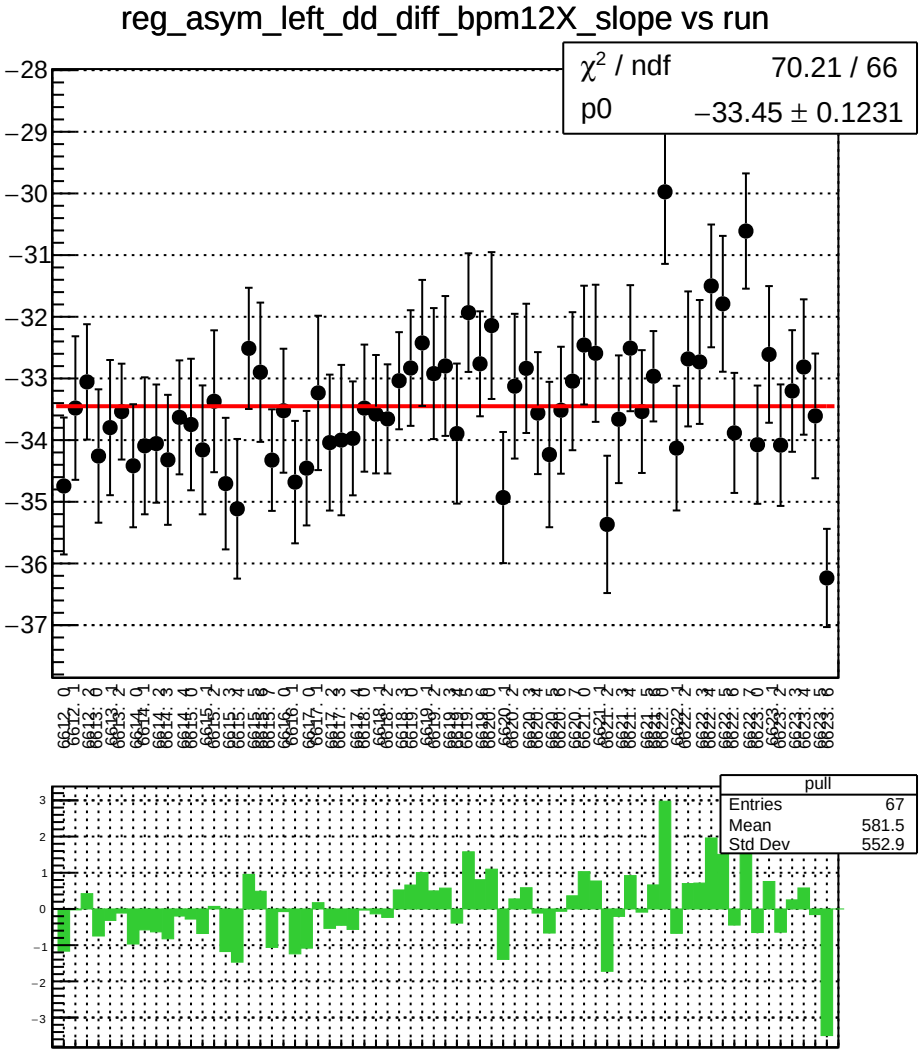

pull1D
Entries 67
Mean −0.016
Std Dev 0.8149

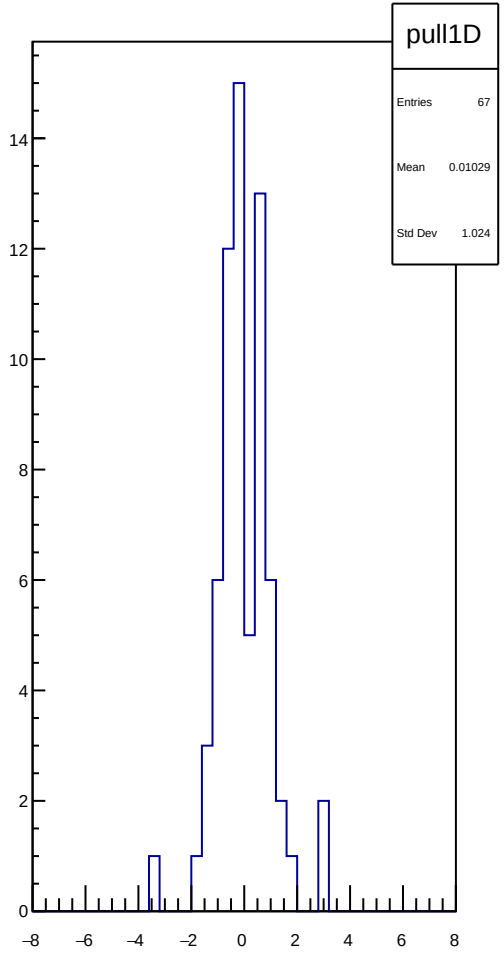

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 68.42 / 66
p0 12.42 ± 3.073
pull
Entries 67
Mean −427.3
Std Dev 460.1

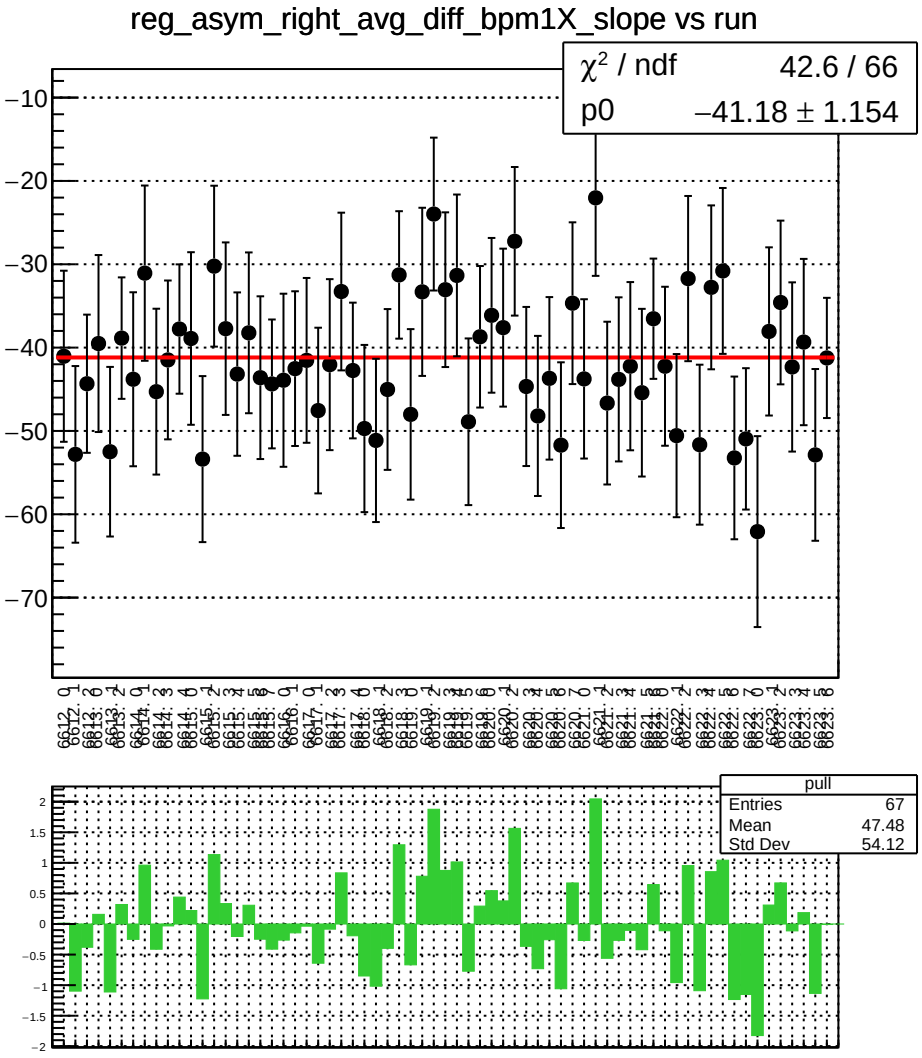

pull1D
Entries 67
Mean −0.01167
Std Dev 1.01

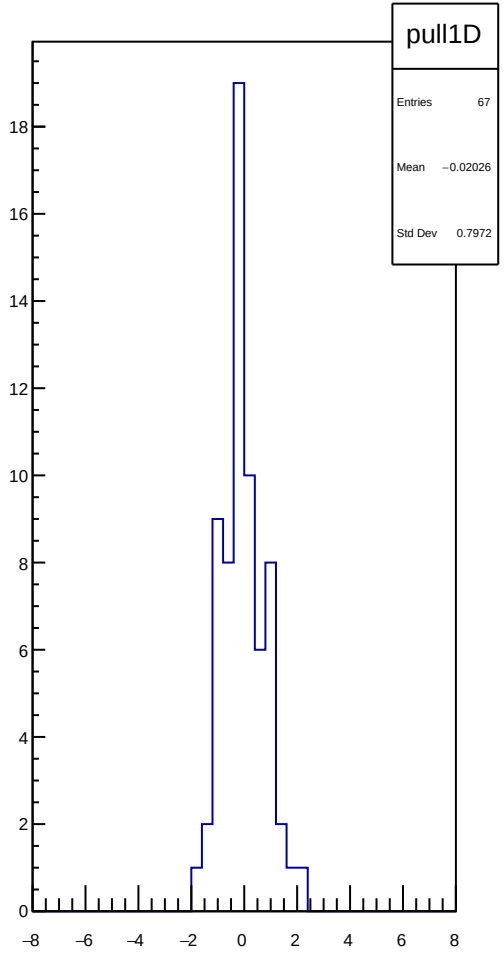

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 45.19 / 66
p0 5.597 ± 2.391
pull
Entries 67
Mean 7.276
Std Dev 59.59

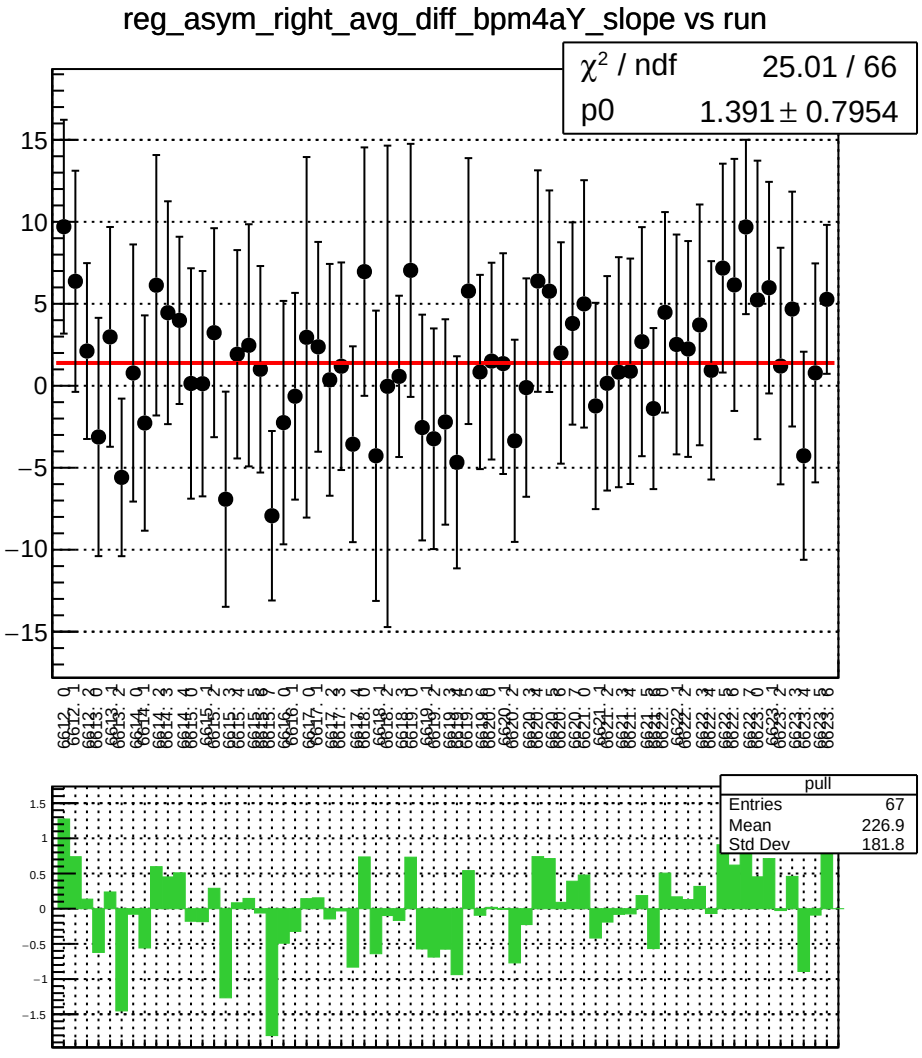

pull1D
Entries 67
Mean 0.01043
Std Dev 0.8212

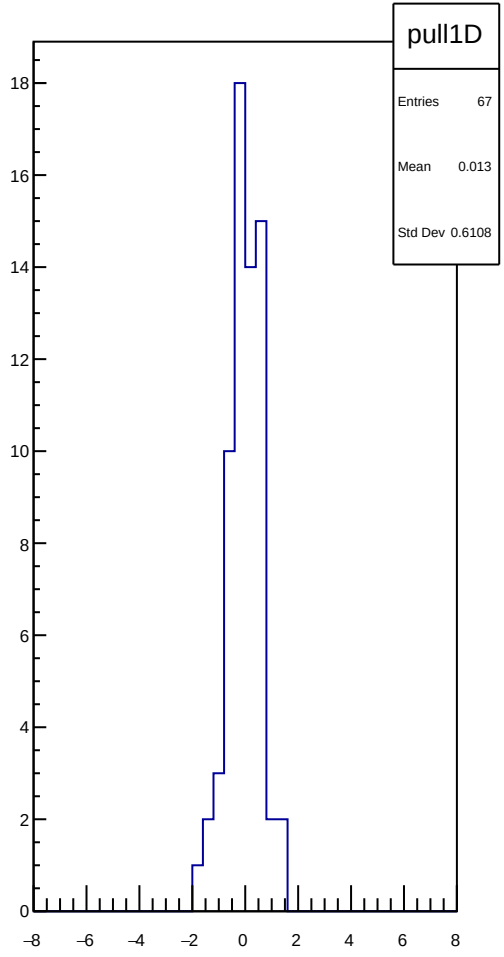

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 70.21 / 66
p0 −33.45 ± 0.1231
pull
Entries 67
Mean 581.5
Std Dev 552.9

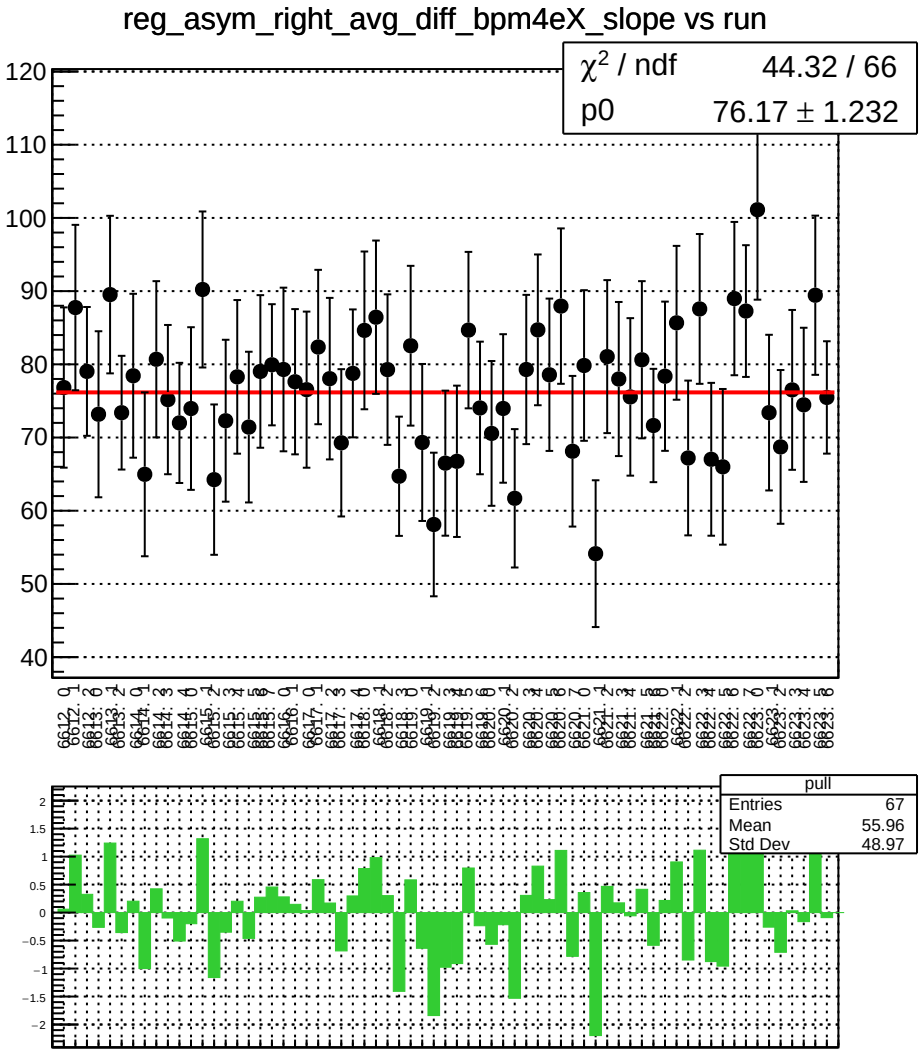

pull1D
Entries 67
Mean 0.01029
Std Dev 1.024

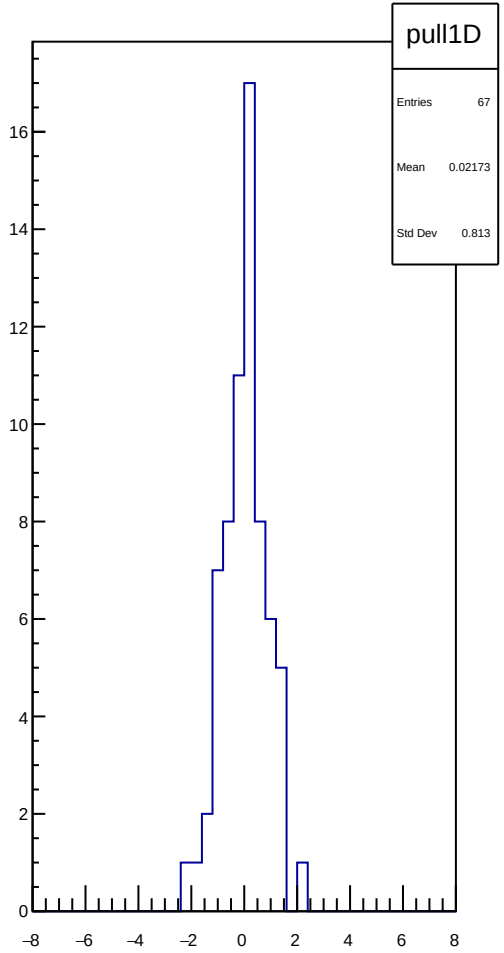

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 42.6 / 66
p0 −41.18 ± 1.154
pull
Entries 67
Mean 47.48
Std Dev 54.12

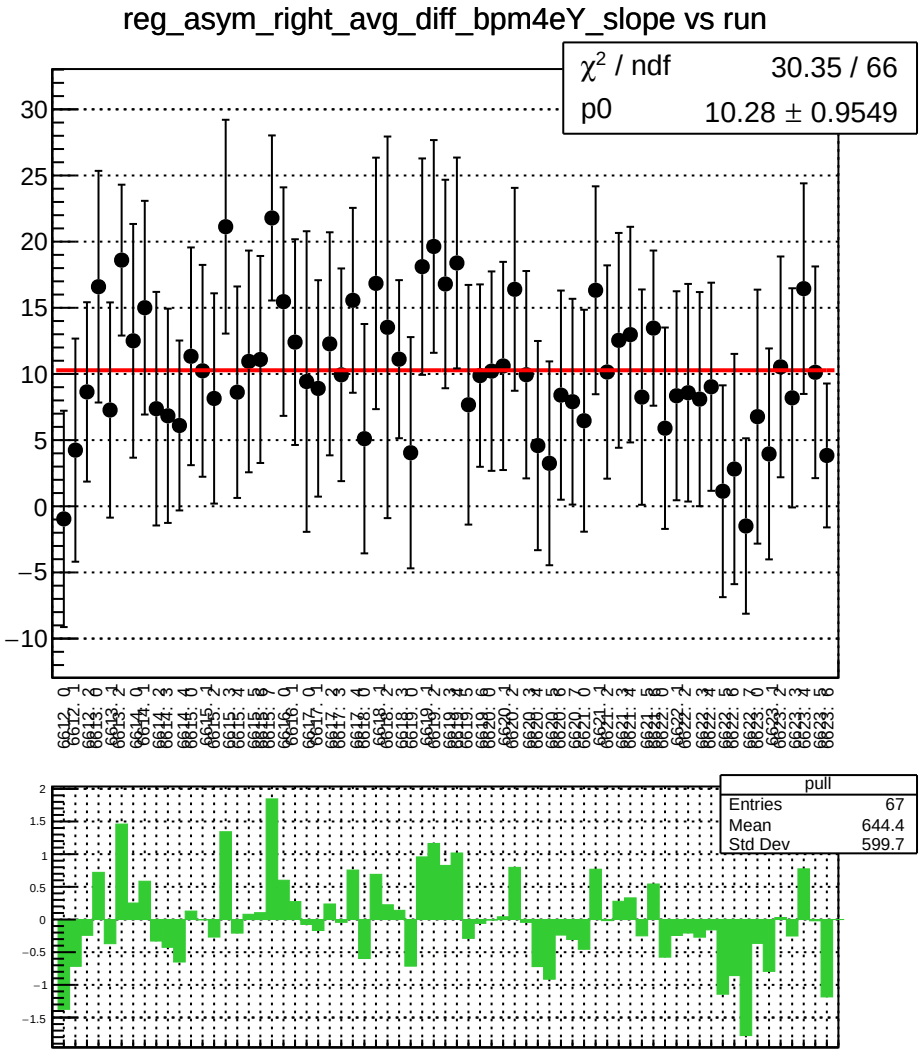

pull1D
Entries 67
Mean −0.02026
Std Dev 0.7972

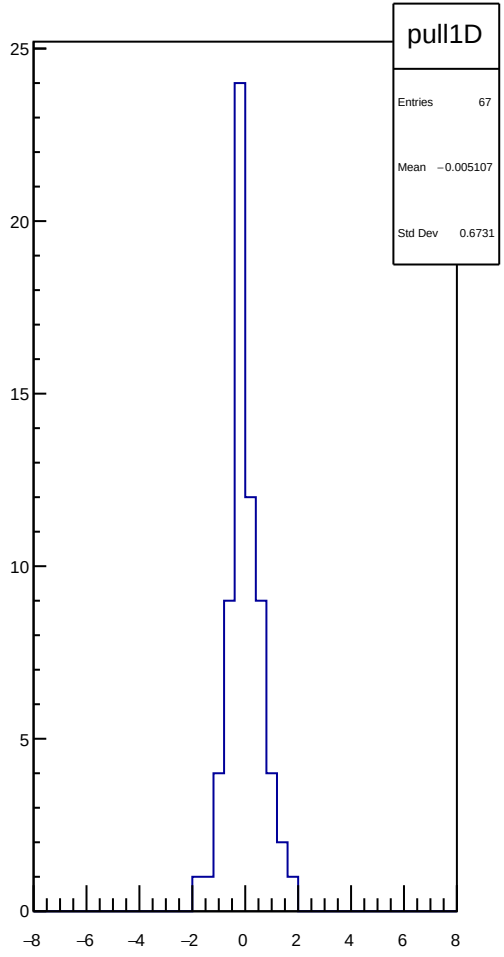

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.01 / 66
p0 1.391 ± 0.7954
pull
Entries 67
Mean 226.9
Std Dev 181.8

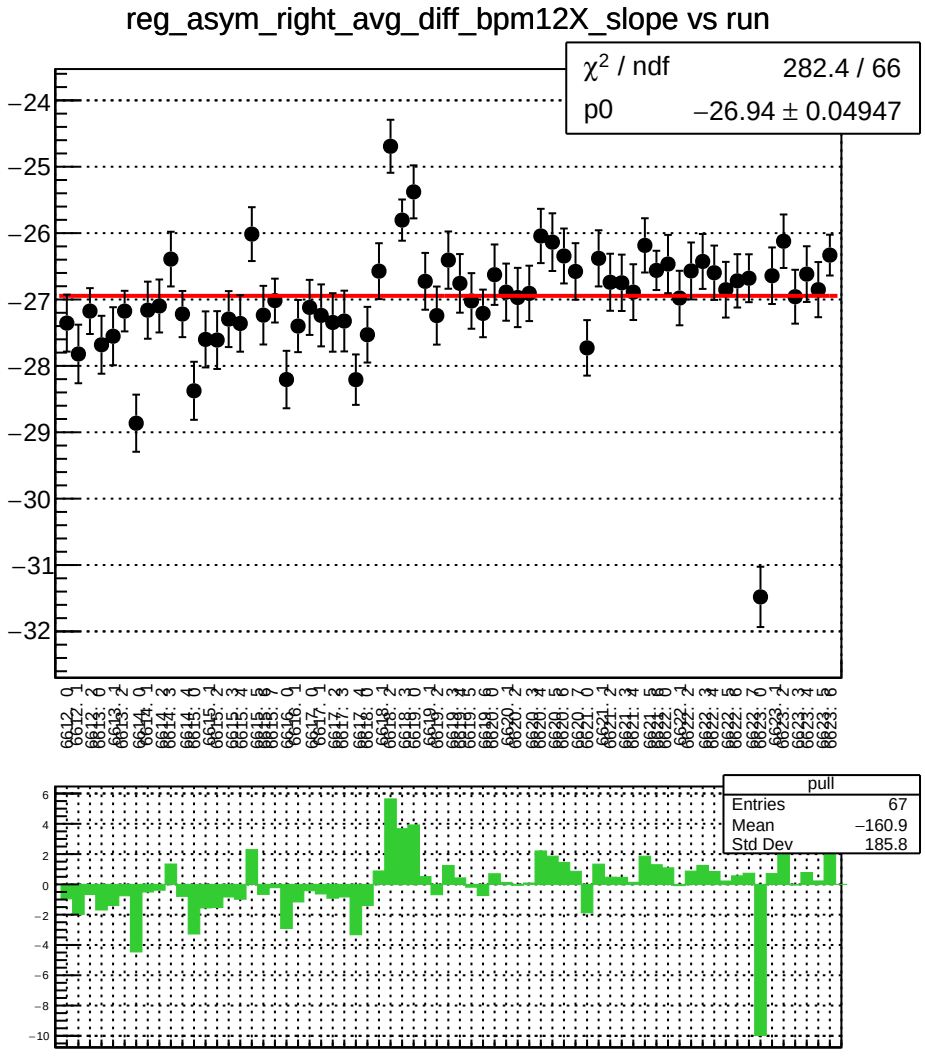

pull1D
Entries 67
Mean 0.013
Std Dev 0.6108

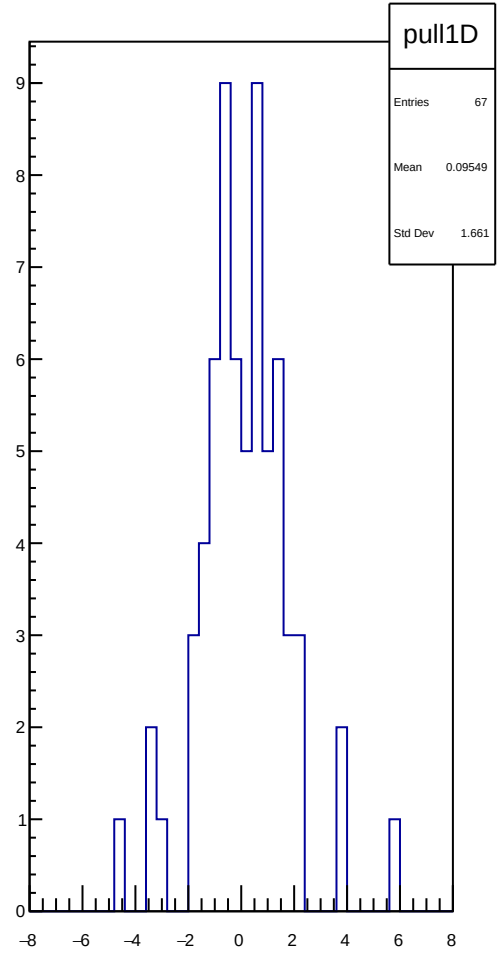

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.32 / 66
p0 76.17 ± 1.232
pull
Entries 67
Mean 55.96
Std Dev 48.97

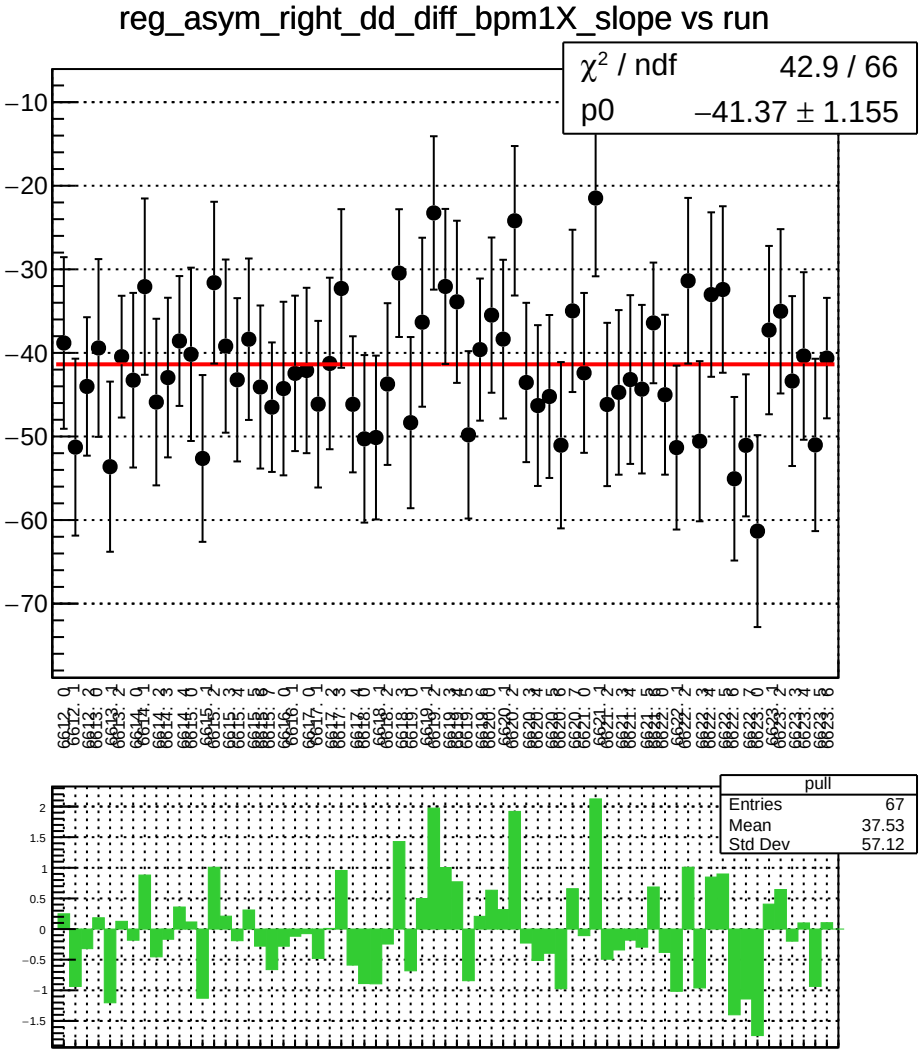

pull1D
Entries 67
Mean 0.02173
Std Dev 0.813

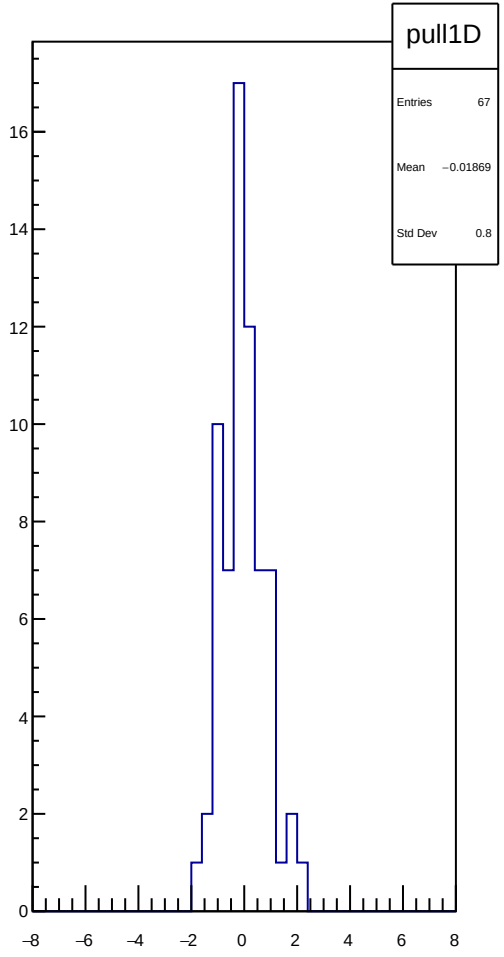

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.35 / 66
p0 10.28 ± 0.9549
pull
Entries 67
Mean 644.4
Std Dev 599.7

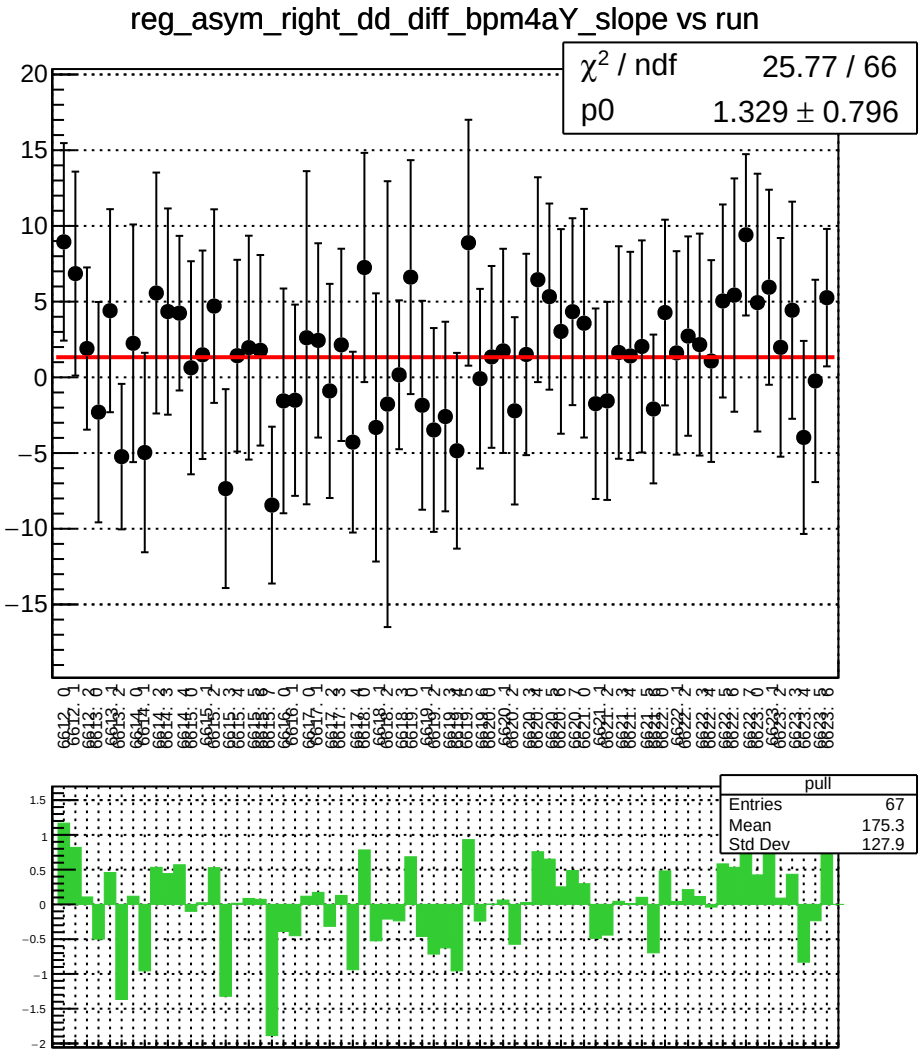

pull1D
Entries 67
Mean −0.005107
Std Dev 0.6731

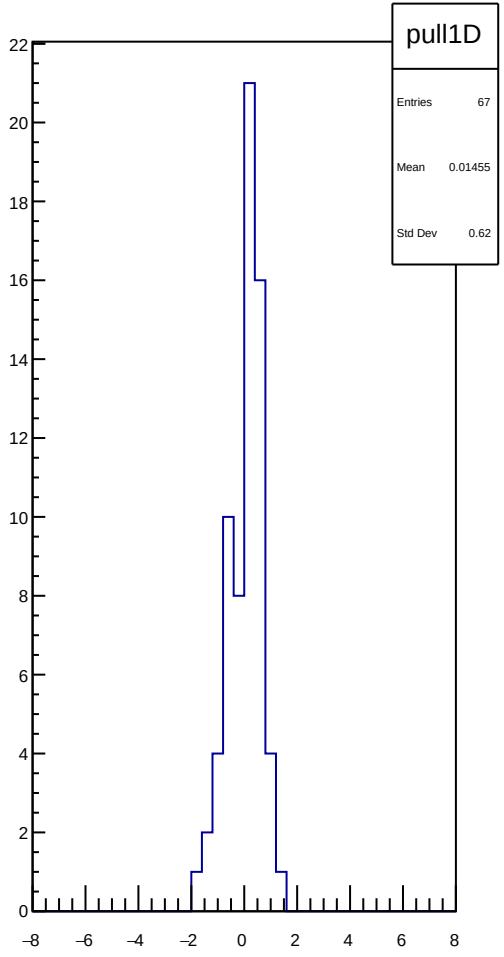

reg_asym_right_avg_diff_bpm12X_slope vs run
χ^2 / ndf 282.4 / 66
p0 −26.94 ± 0.04947
pull
Entries 67
Mean −160.9
Std Dev 185.8

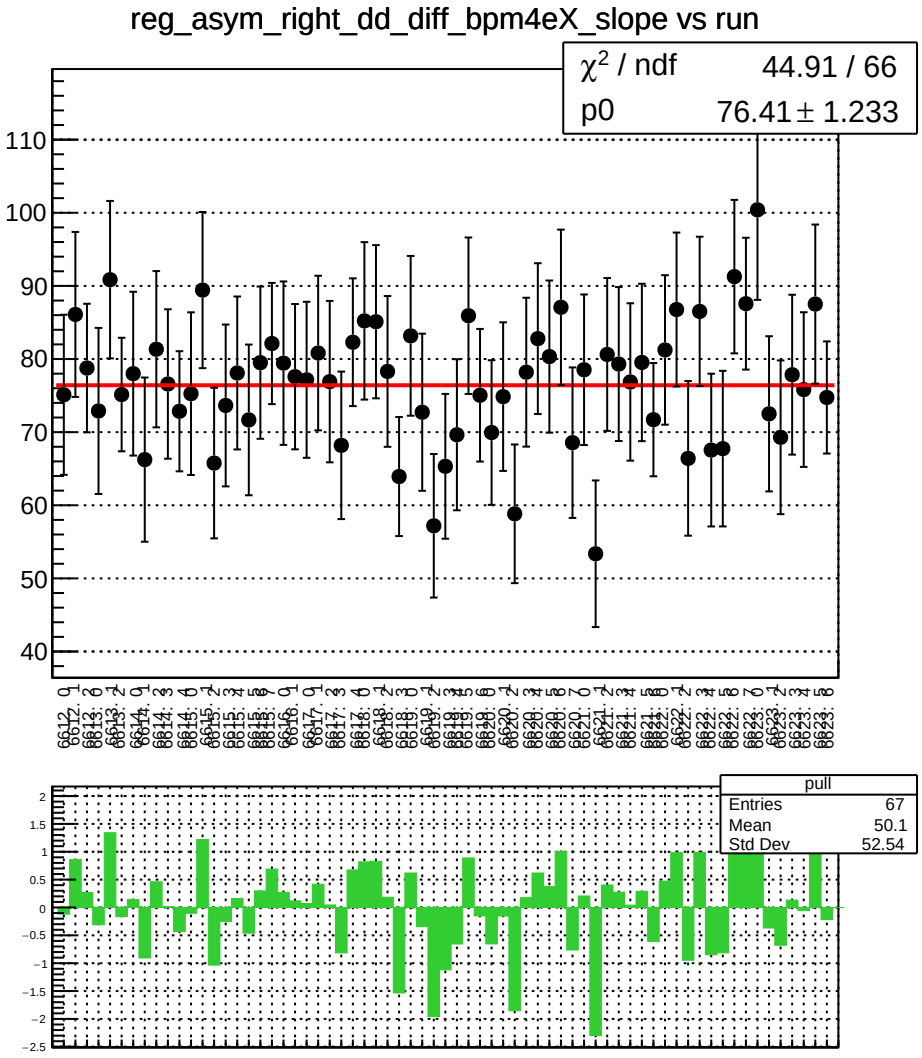

pull1D
Entries 67
Mean 0.09549
Std Dev 1.661

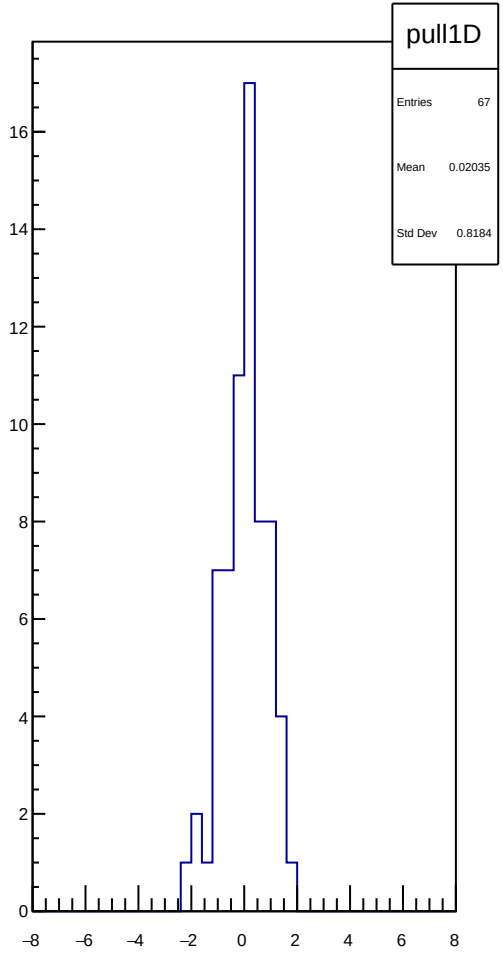

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 42.9 / 66
p0 −41.37 ± 1.155
pull
Entries 67
Mean 37.53
Std Dev 57.12

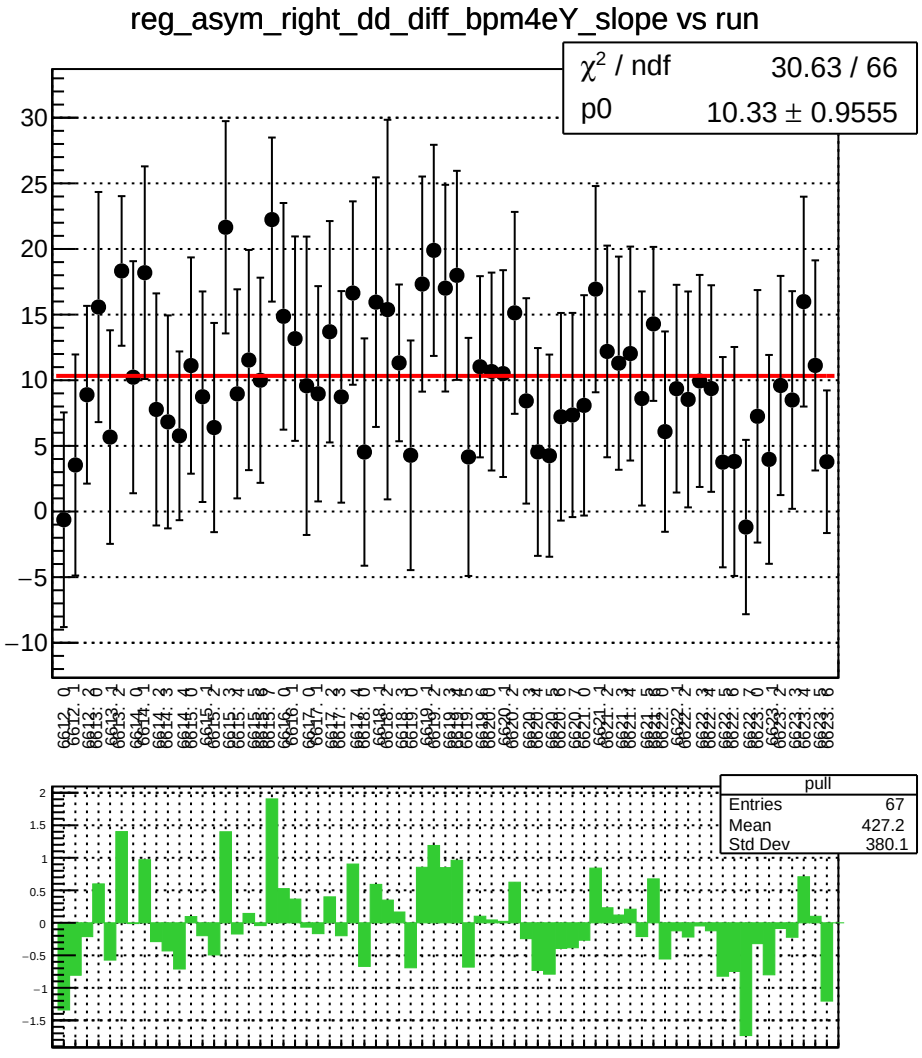

pull1D
Entries 67
Mean −0.01869
Std Dev 0.8

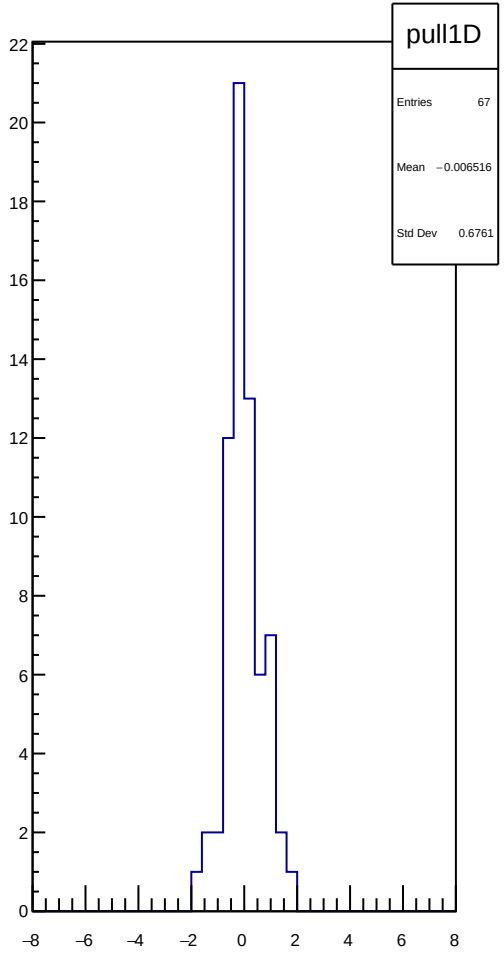

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.77 / 66
p0 1.329 ± 0.796
pull
Entries 67
Mean 175.3
Std Dev 127.9

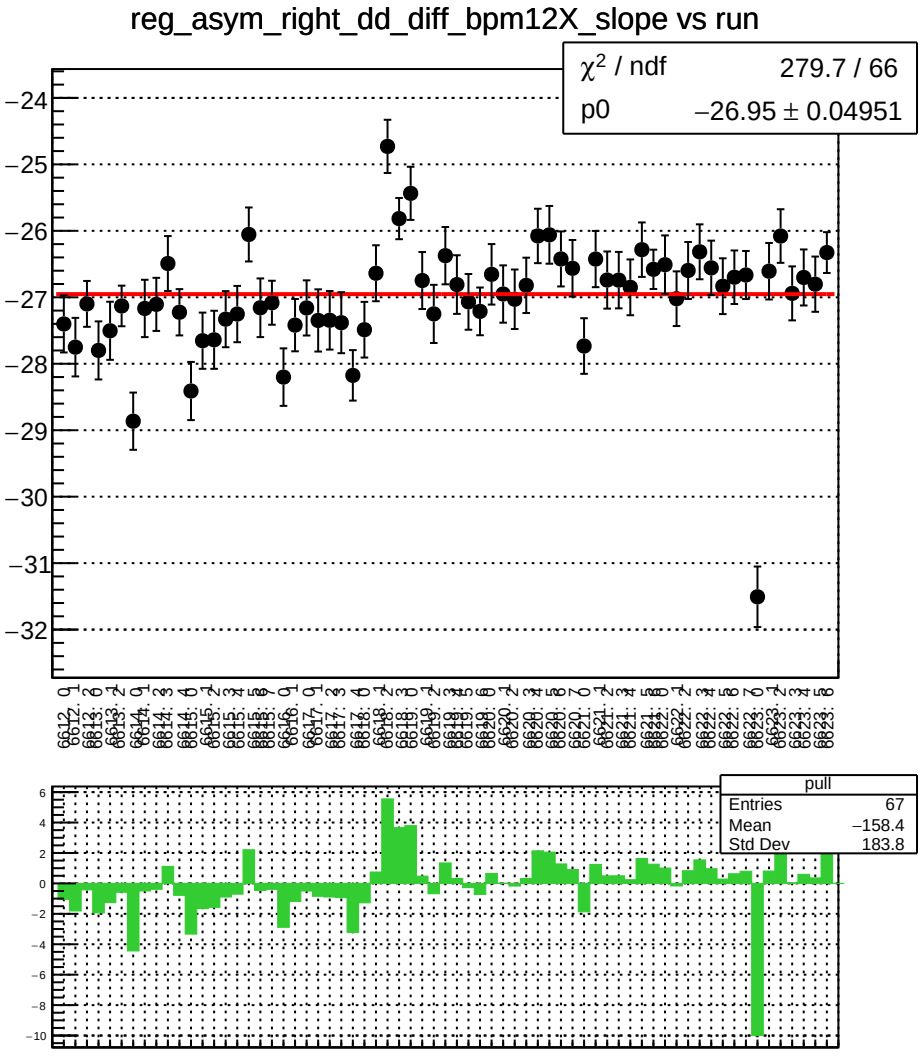

pull1D
Entries 67
Mean 0.01455
Std Dev 0.62

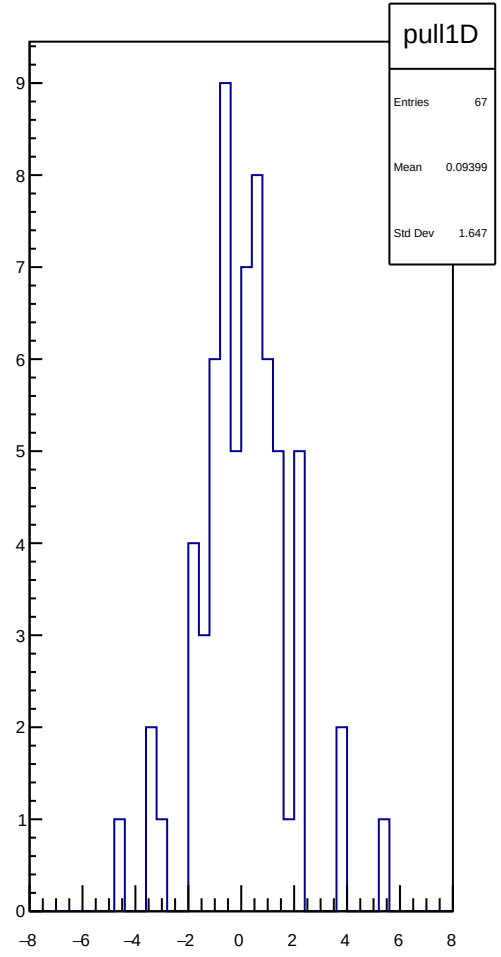

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 44.91 / 66
p0 76.41 ± 1.233
pull
Entries 67
Mean 50.1
Std Dev 52.54

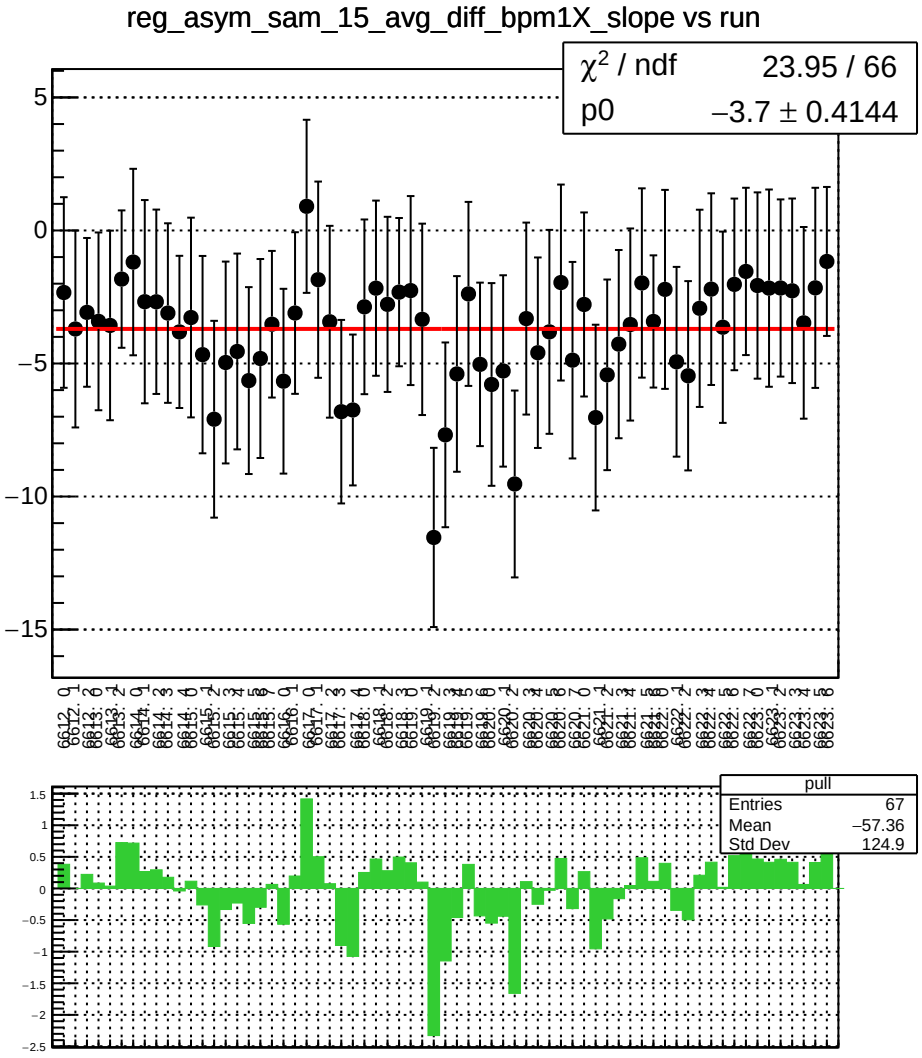

pull1D
Entries 67
Mean 0.02035
Std Dev 0.8184

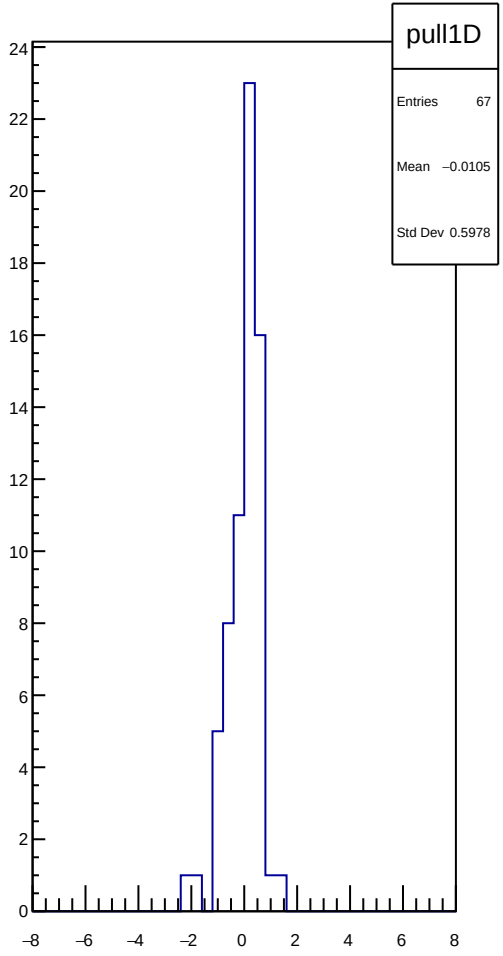

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.63 / 66
p0 10.33 ± 0.9555
pull
Entries 67
Mean 427.2
Std Dev 380.1

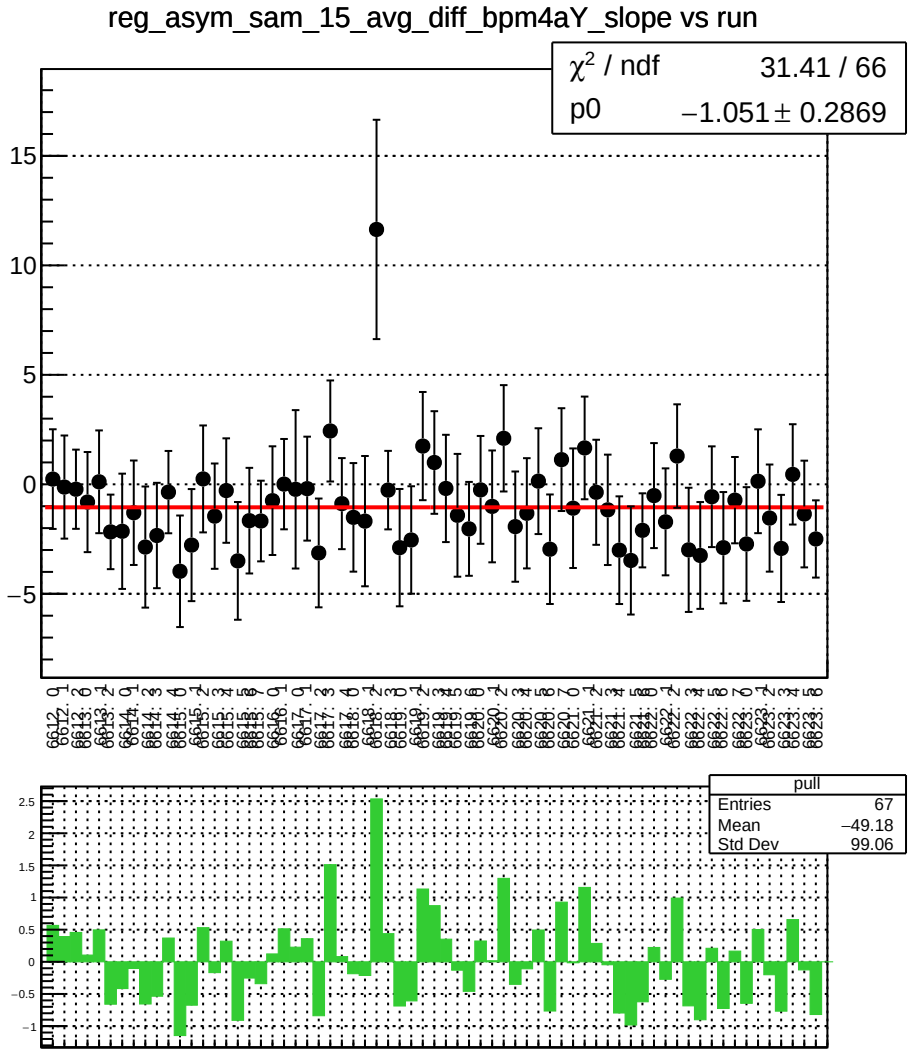

pull1D
Entries 67
Mean −0.006516
Std Dev 0.6761

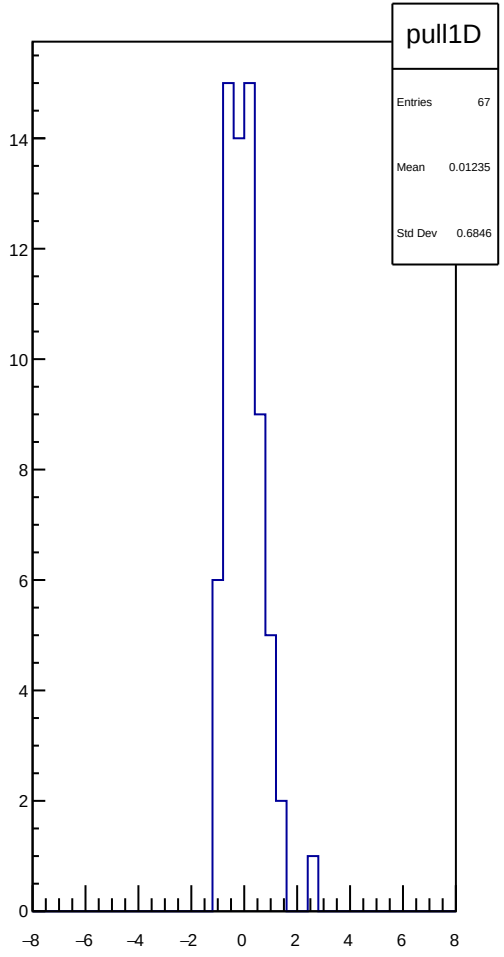

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 279.7 / 66
p0 −26.95 ± 0.04951
pull
Entries 67
Mean −158.4
Std Dev 183.8

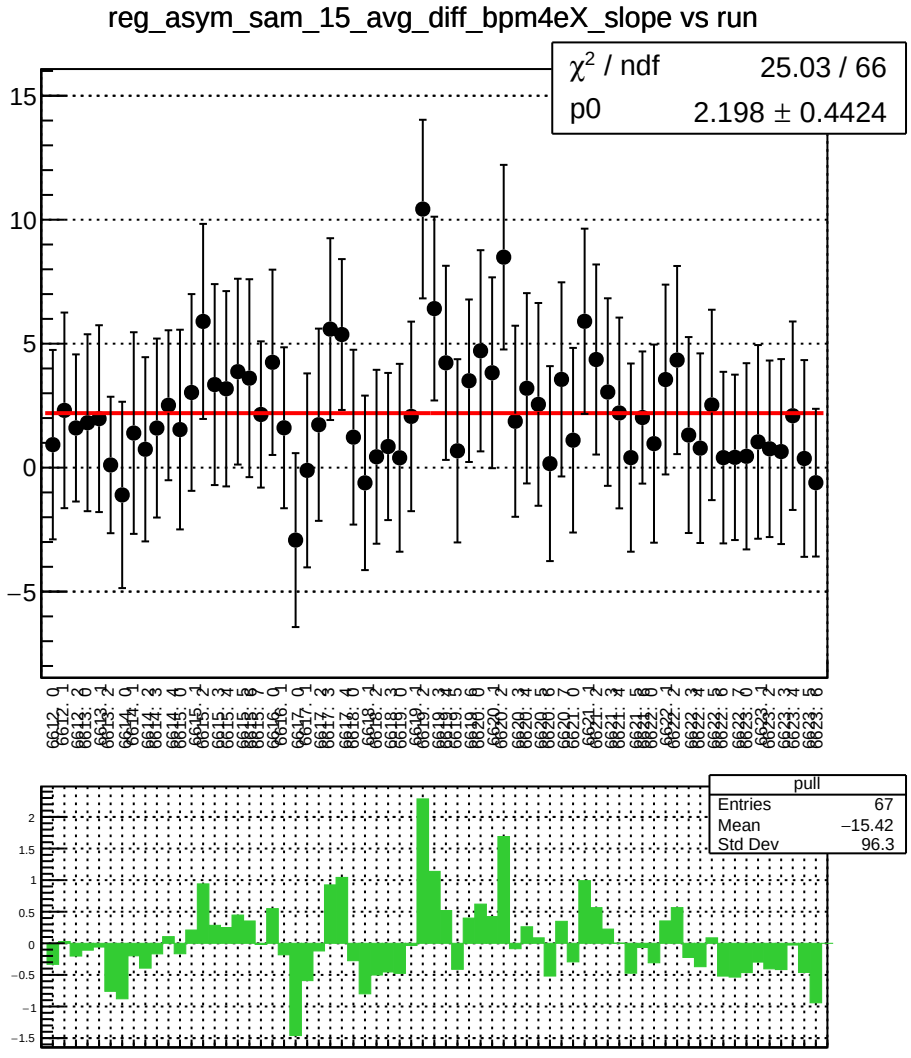

pull1D
Entries 67
Mean 0.09399
Std Dev 1.647

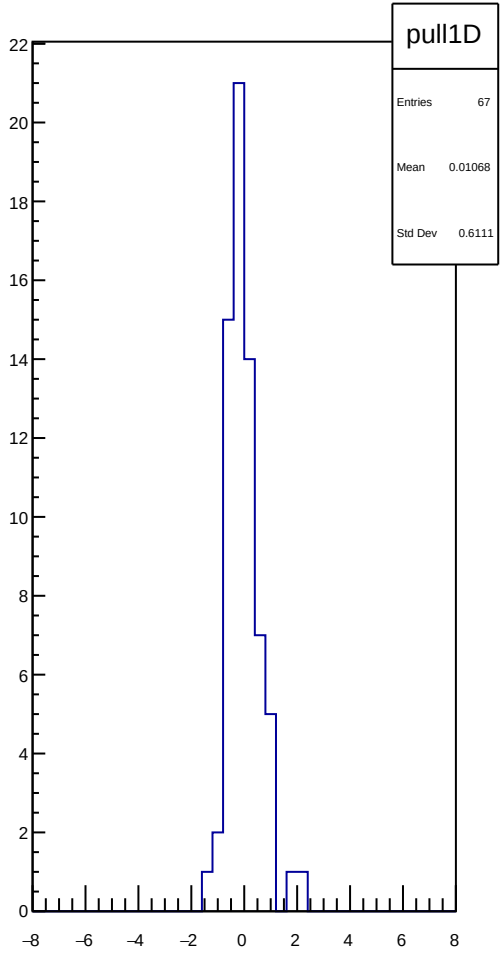

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 23.95 / 66
p0 −3.7 ± 0.4144
pull
Entries 67
Mean −57.36
Std Dev 124.9

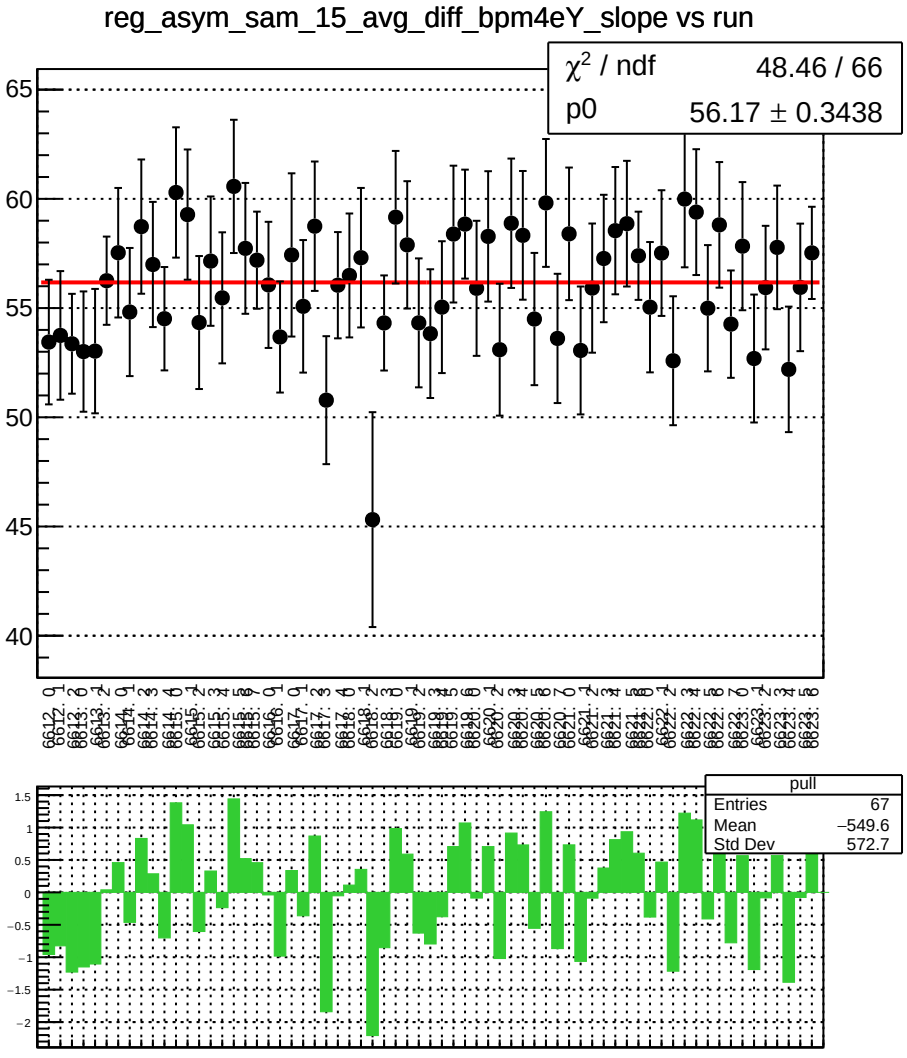

pull1D
Entries 67
Mean −0.0105
Std Dev 0.5978

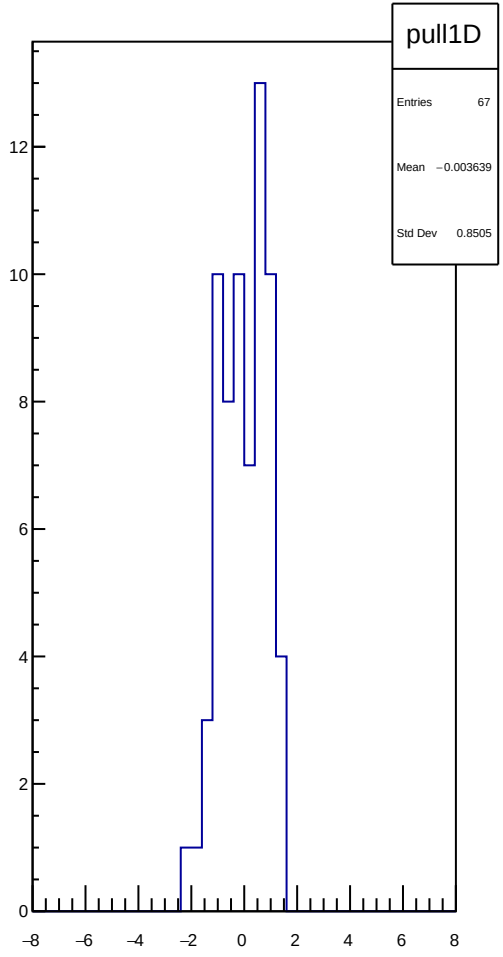

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 31.41 / 66
p0 −1.051 ± 0.2869
pull
Entries 67
Mean −49.18
Std Dev 99.06

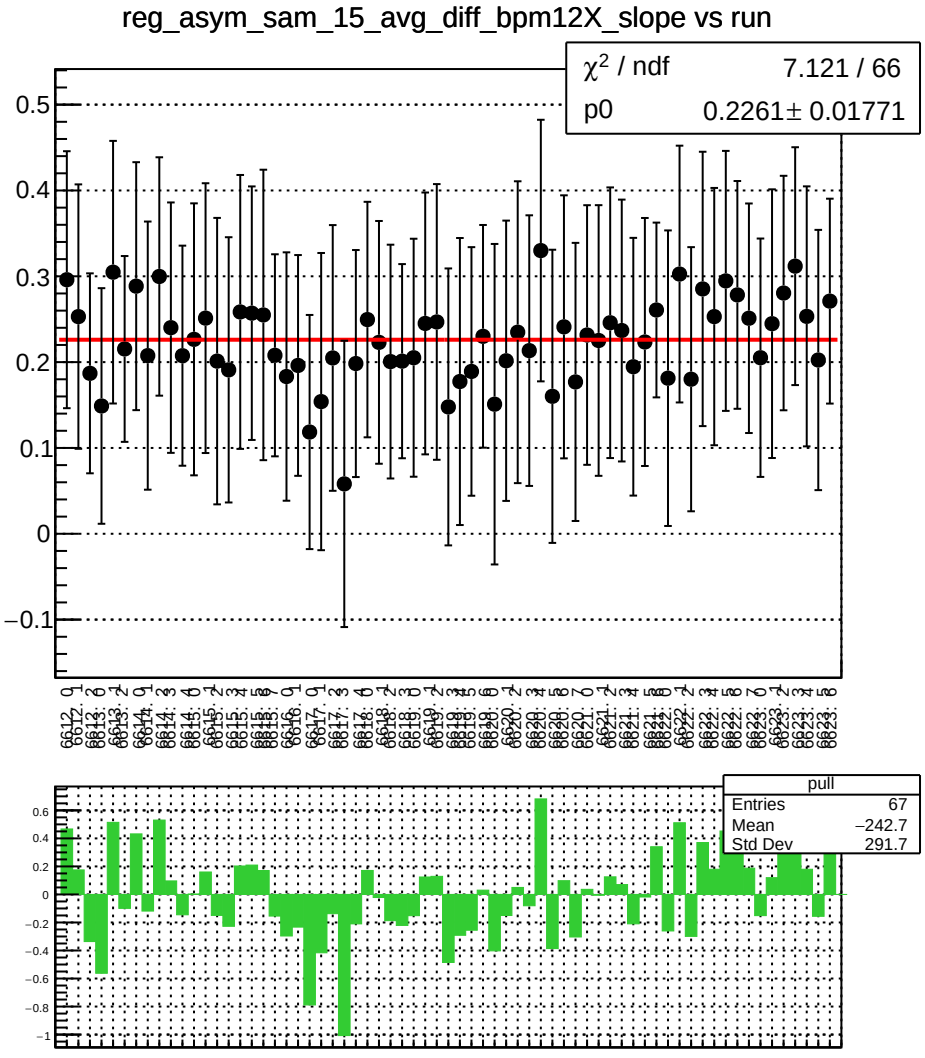

pull1D
Entries 67
Mean 0.01235
Std Dev 0.6846

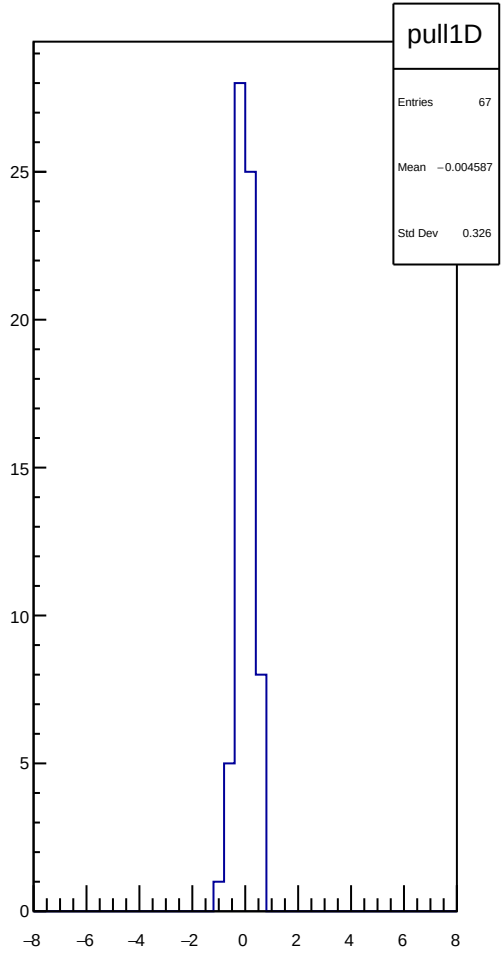

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 25.03 / 66
p0 2.198 ± 0.4424
pull
Entries 67
Mean −15.42
Std Dev 96.3

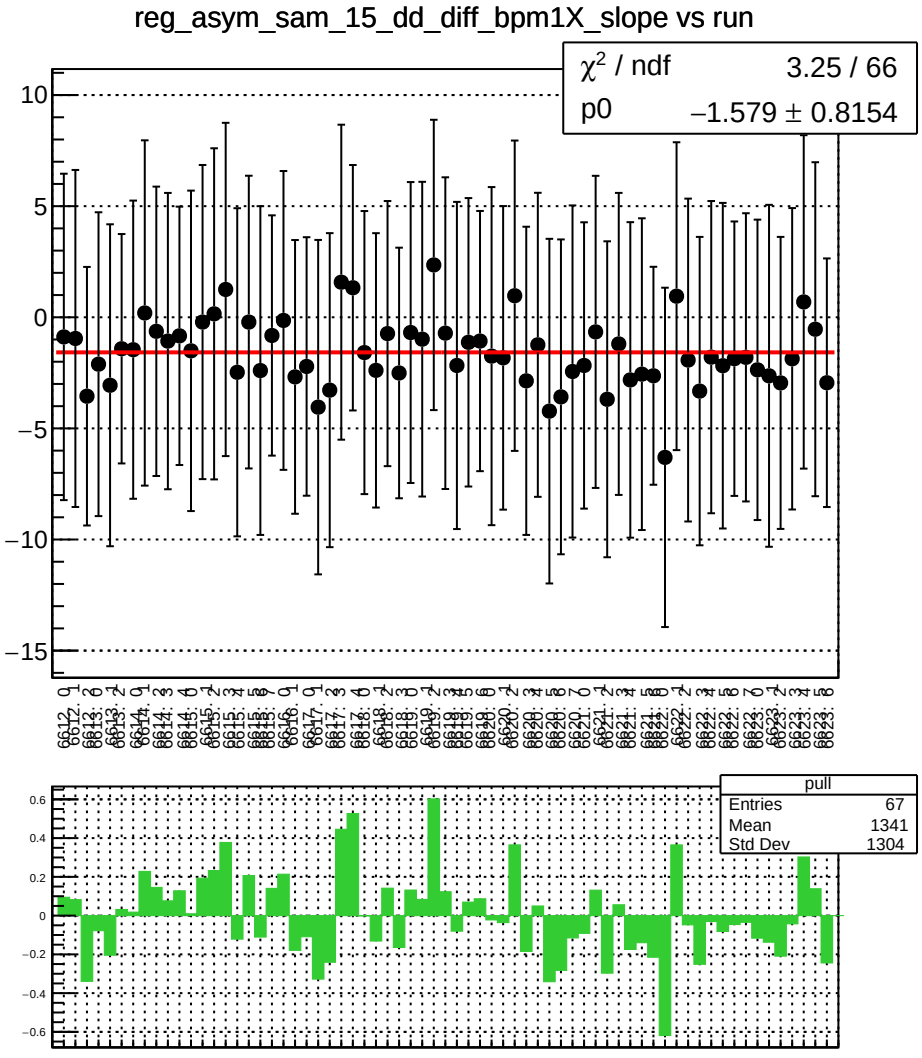

pull1D
Entries 67
Mean 0.01068
Std Dev 0.6111

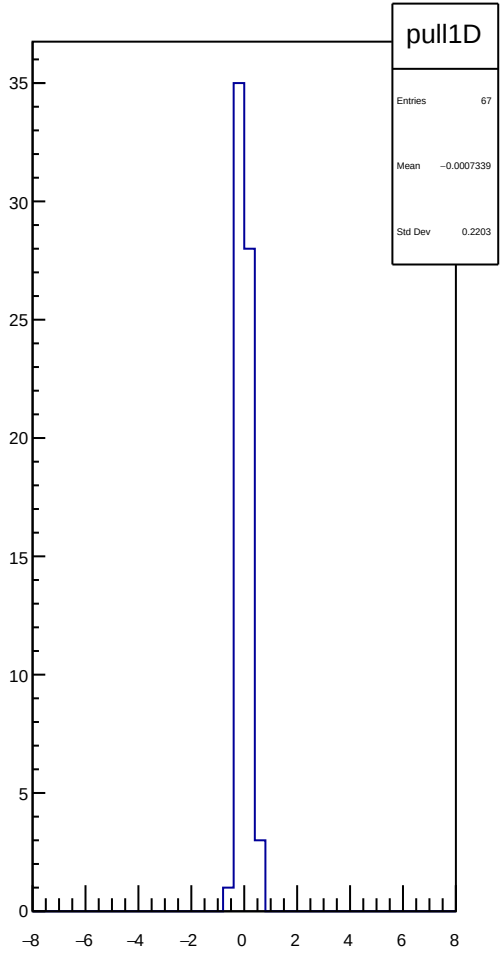

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.46 / 66
p0 56.17 ± 0.3438
pull
Entries 67
Mean −549.6
Std Dev 572.7

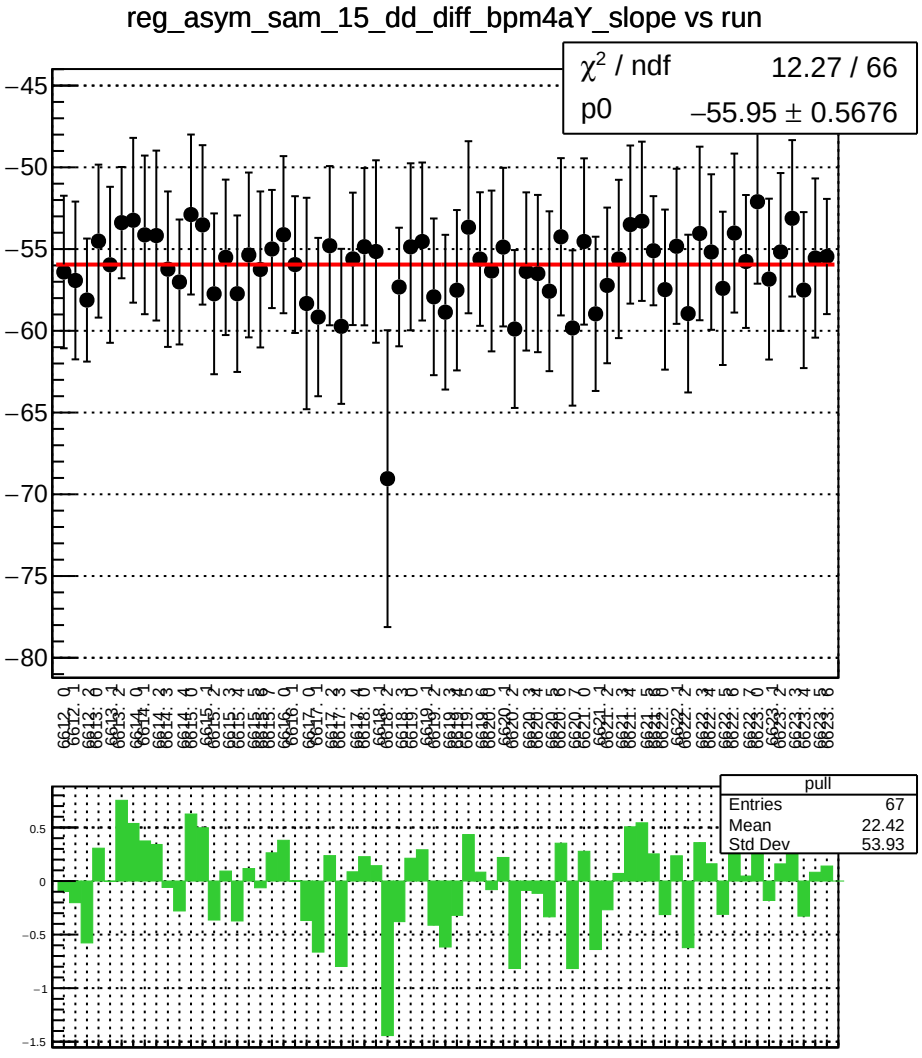

pull1D
Entries 67
Mean −0.003639
Std Dev 0.8505

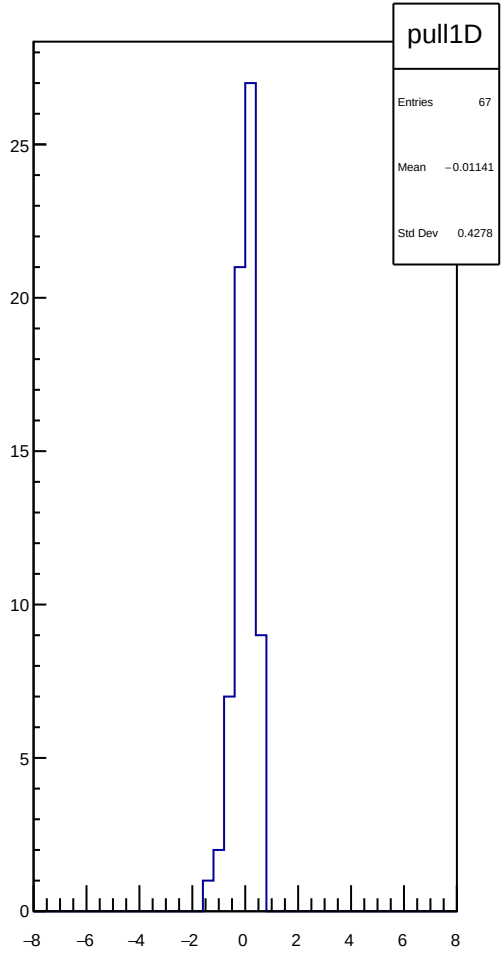

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 7.121 / 66
p0 0.2261 ± 0.01771
pull
Entries 67
Mean −242.7
Std Dev 291.7

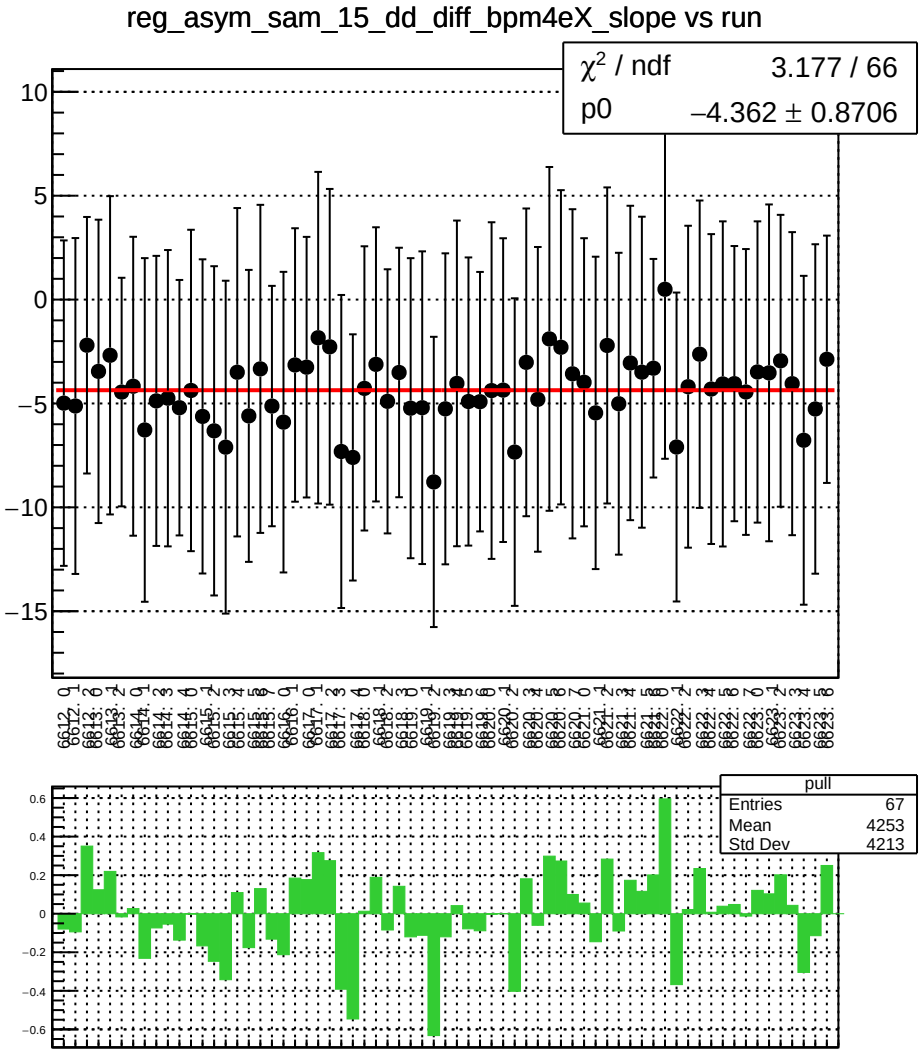

pull1D
Entries 67
Mean −0.004587
Std Dev 0.326

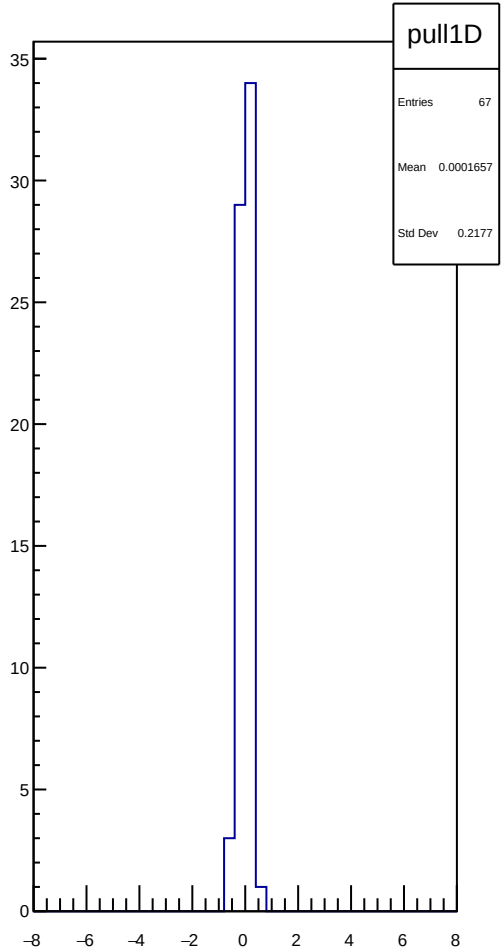

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 3.25 / 66
p0 −1.579 ± 0.8154
pull
Entries 67
Mean 1341
Std Dev 1304

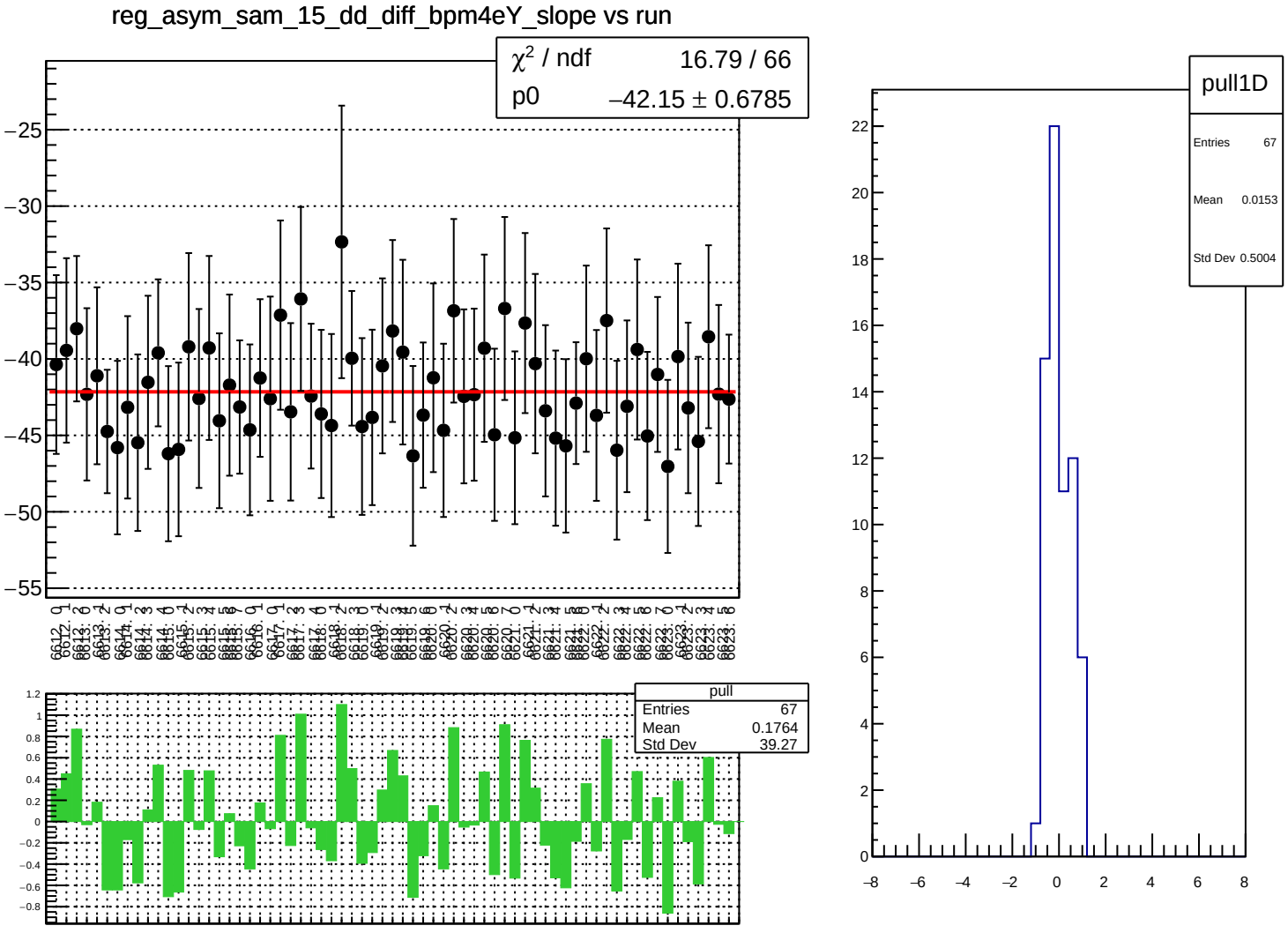

pull1D
Entries 67
Mean −0.0007339
Std Dev 0.2203

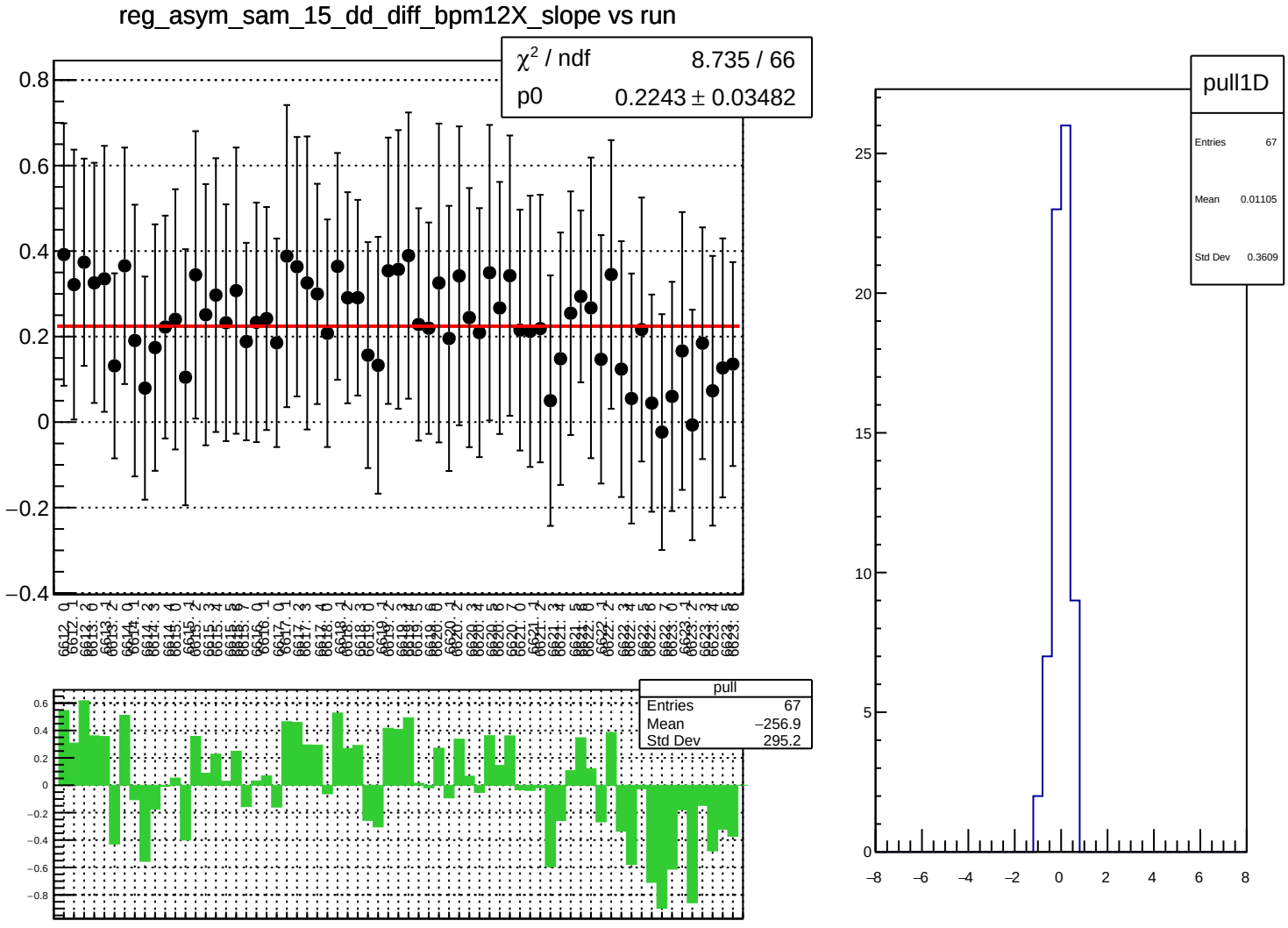

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.27 / 66
p0 −55.95 ± 0.5676
pull
Entries 67
Mean 22.42
Std Dev 53.93

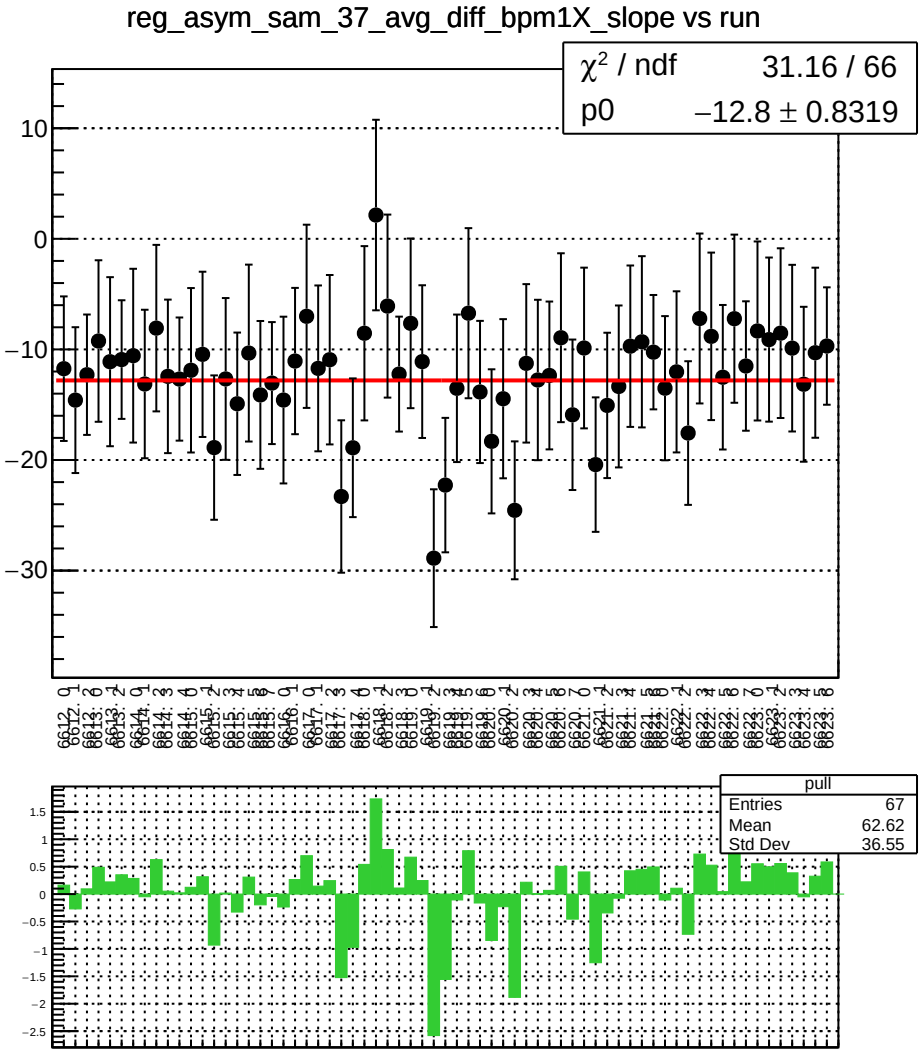

pull1D
Entries 67
Mean −0.01141
Std Dev 0.4278

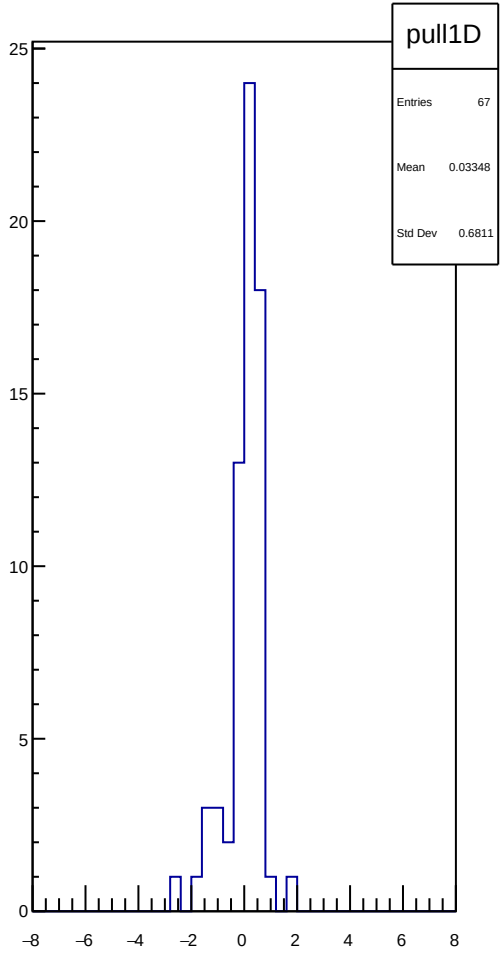

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.177 / 66
p0 −4.362 ± 0.8706
pull
Entries 67
Mean 4253
Std Dev 4213

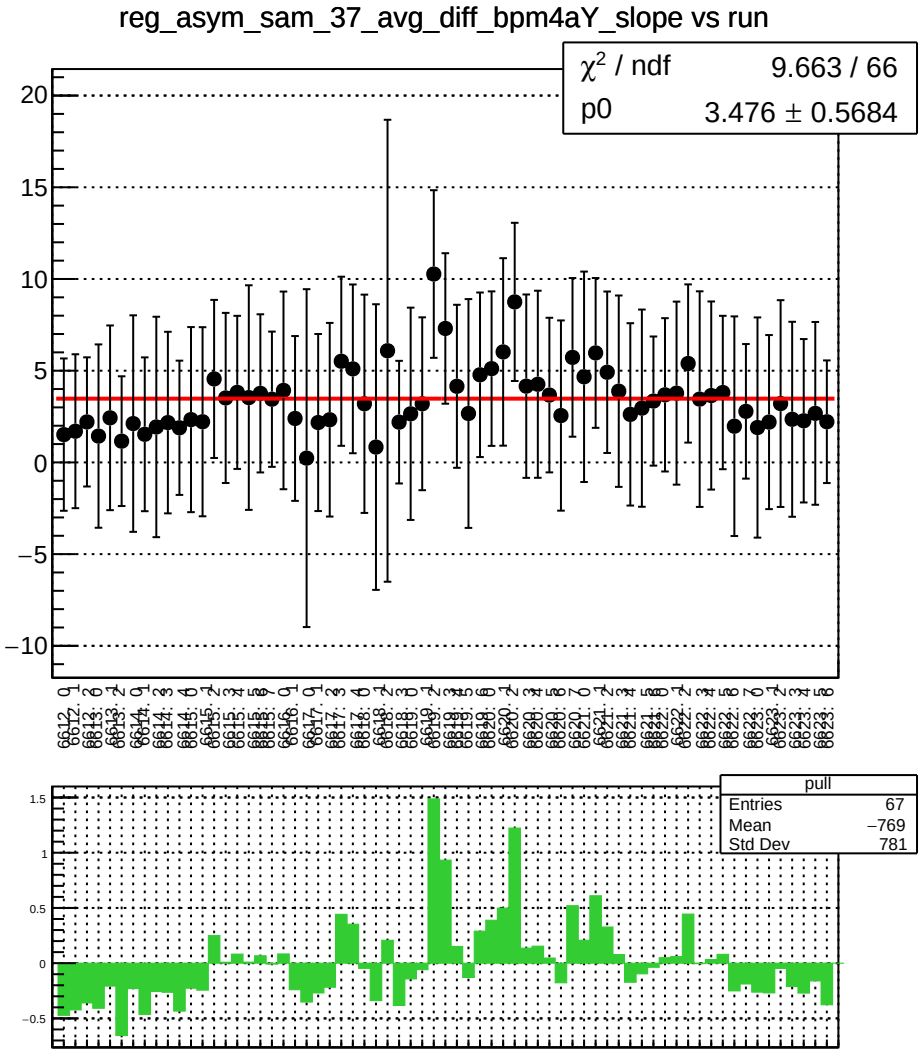

pull1D
Entries 67
Mean 0.0001657
Std Dev 0.2177

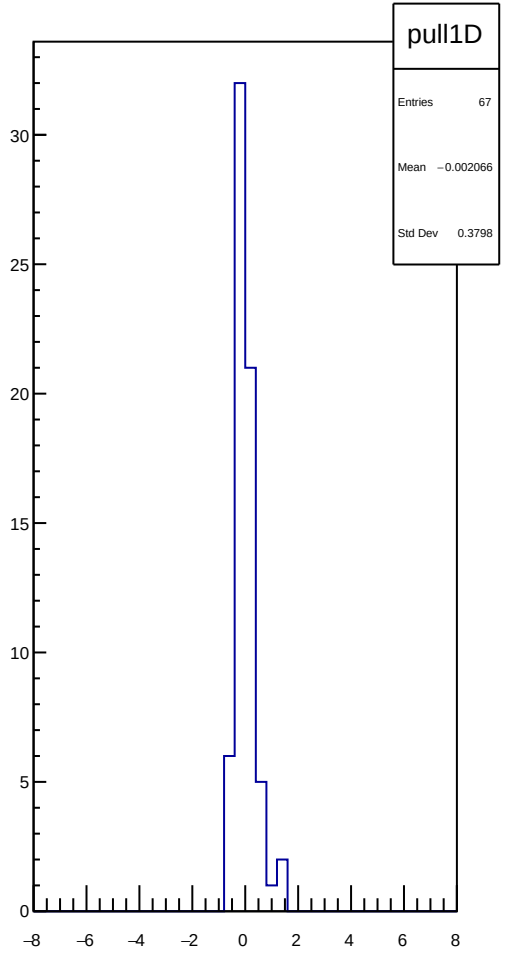

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.79 / 66
p0 −42.15 ± 0.6785
pull
Entries 67
Mean 0.1764
Std Dev 39.27
pull1D
Entries 67
Mean 0.0153
Std Dev 0.5004

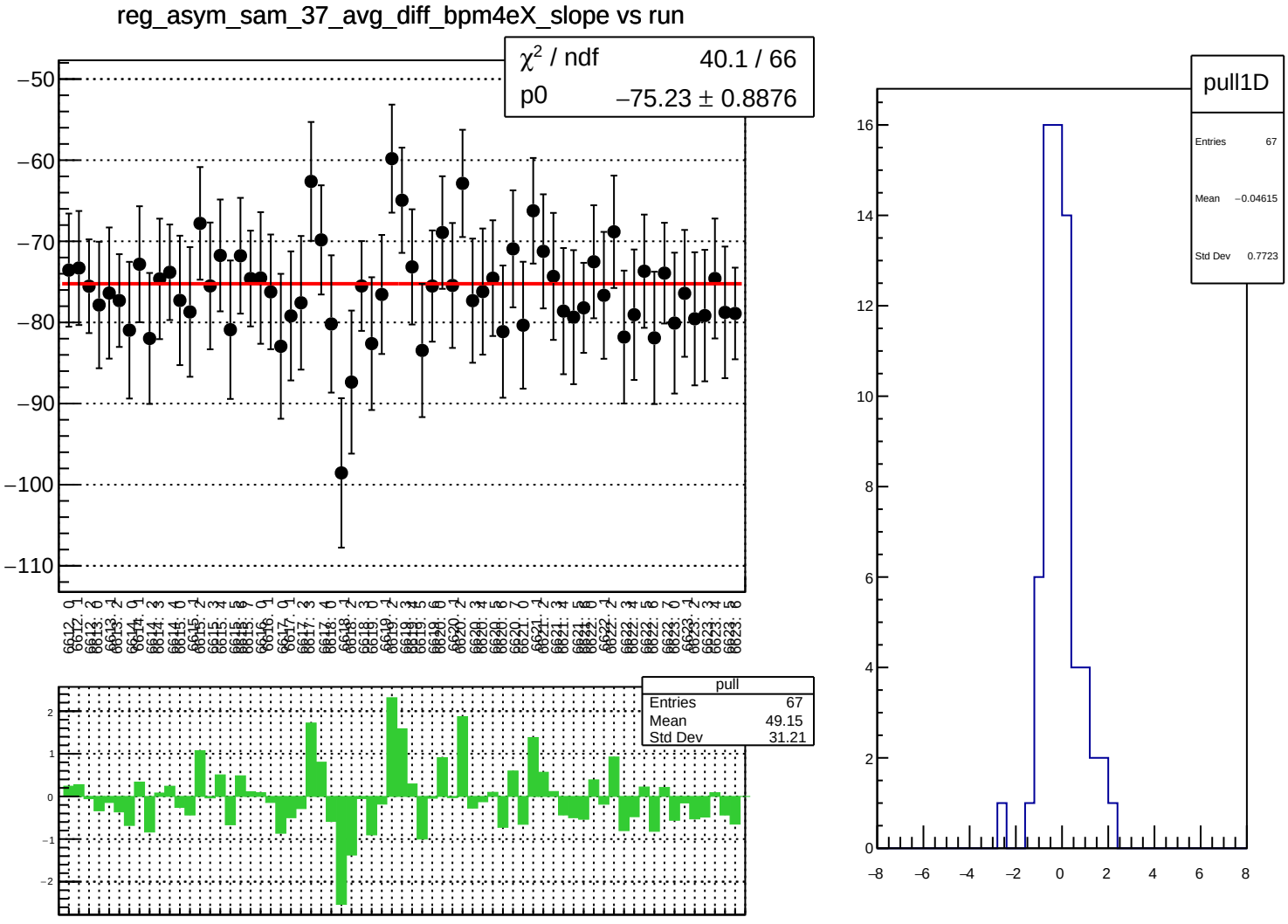

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.735 / 66
p0 0.2243 ± 0.03482
pull
Entries 67
Mean −256.9
Std Dev 295.2
pull1D
Entries 67
Mean 0.01105
Std Dev 0.3609

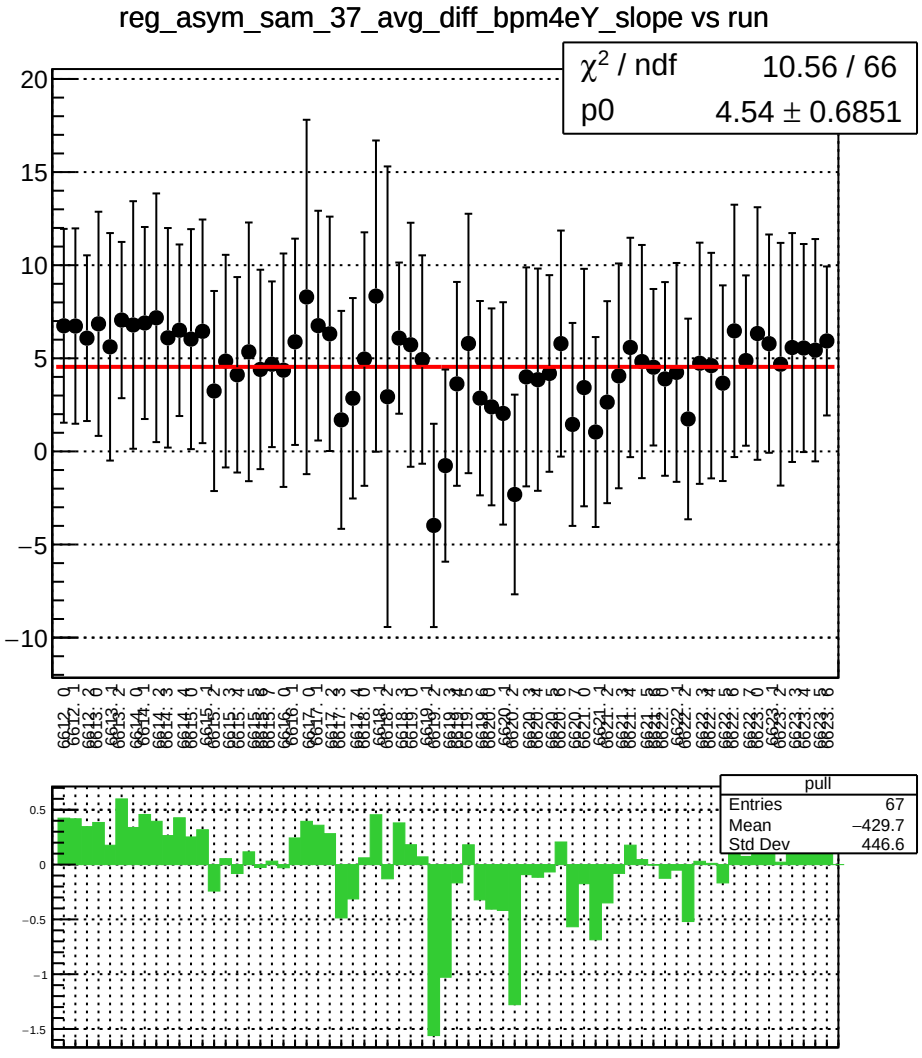

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 31.16 / 66
p0 −12.8 ± 0.8319
pull
Entries 67
Mean 62.62
Std Dev 36.55

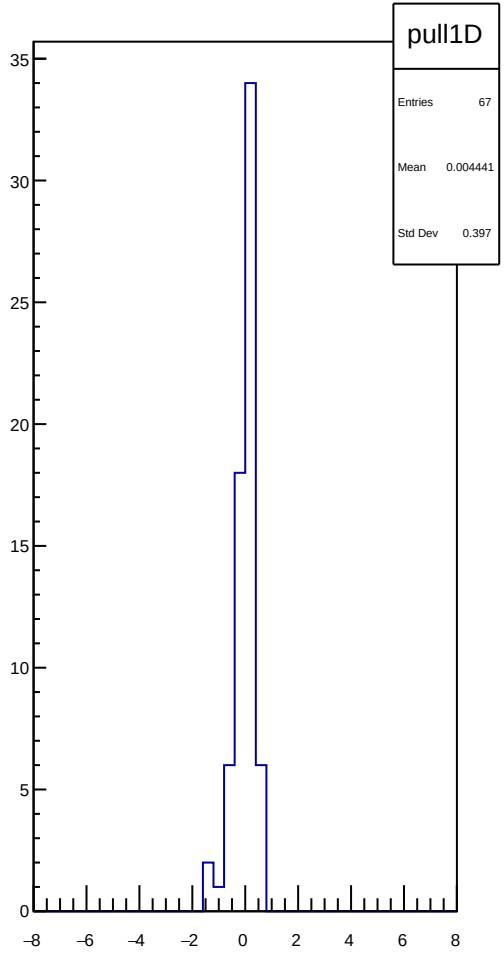

pull1D
Entries 67
Mean 0.03348
Std Dev 0.6811

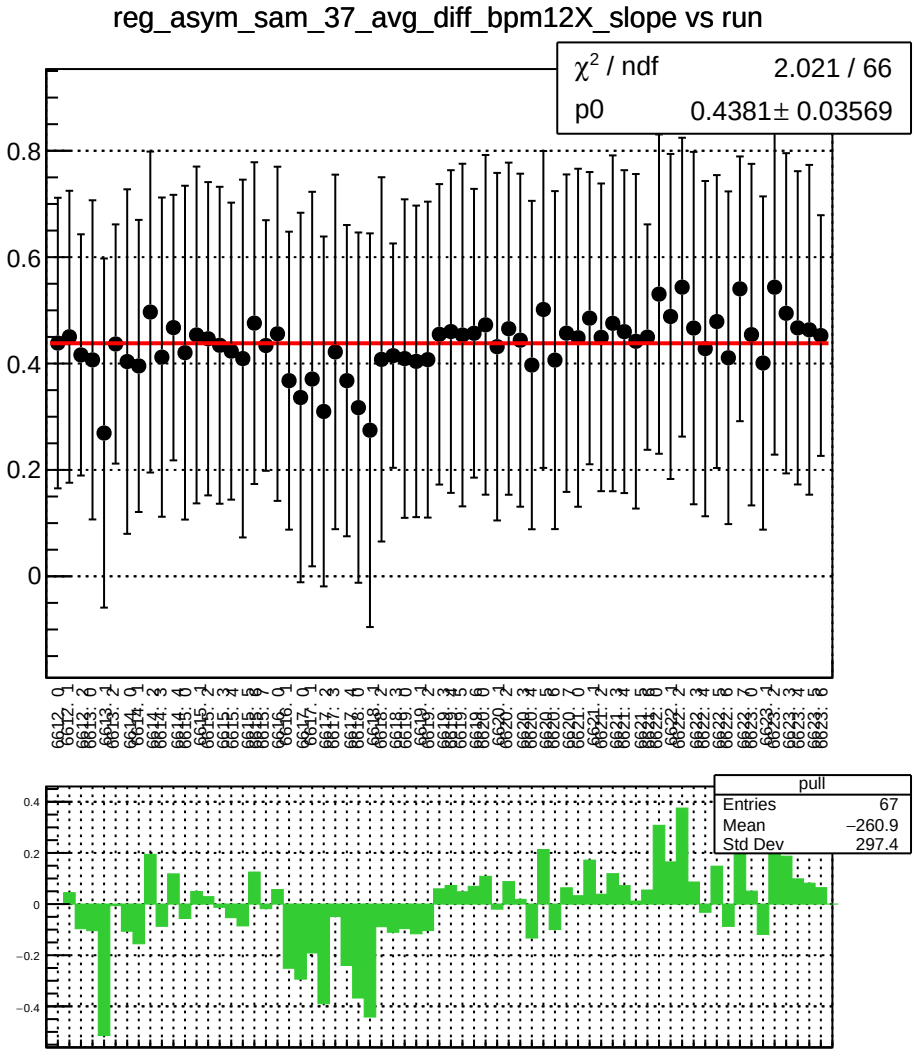

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 9.663 / 66
p0 3.476 ± 0.5684
pull
Entries 67
Mean −769
Std Dev 781

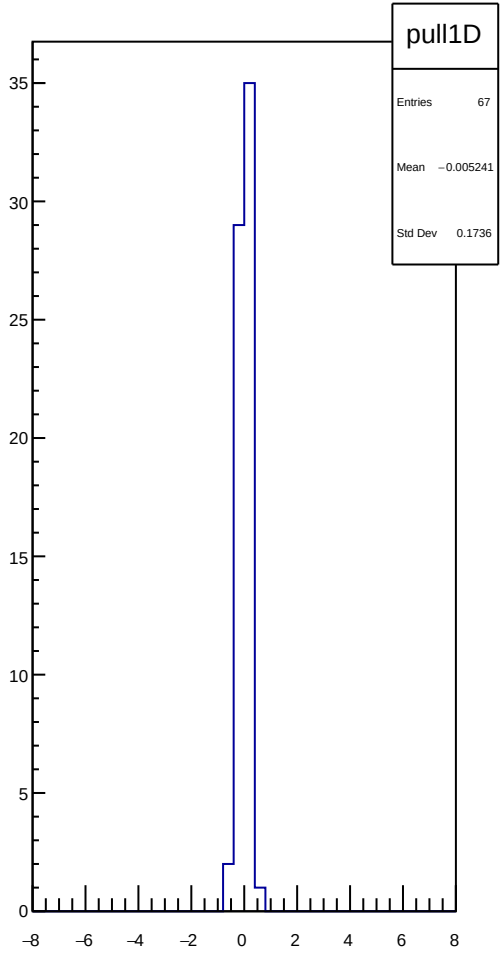

pull1D
Entries 67
Mean −0.002066
Std Dev 0.3798

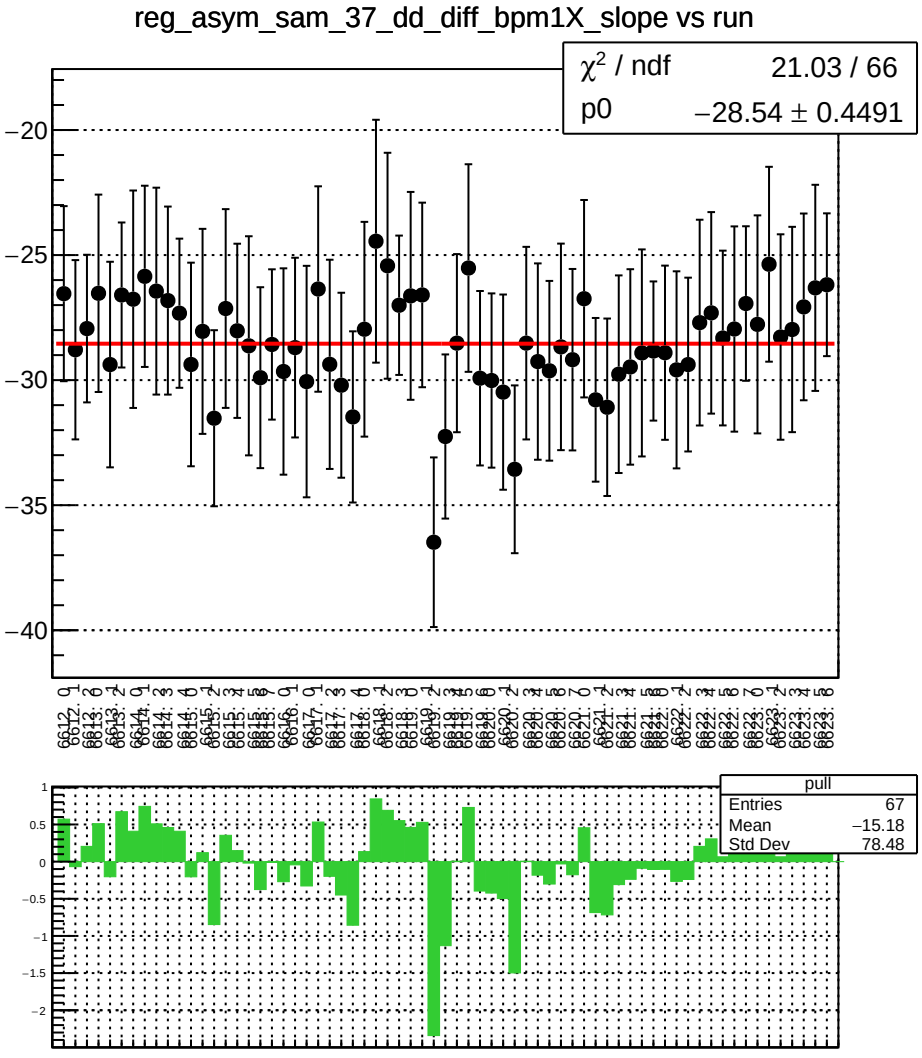

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.1 / 66
p0 −75.23 ± 0.8876
pull
Entries 67
Mean 49.15
Std Dev 31.21
pull1D
Entries 67
Mean −0.04615
Std Dev 0.7723

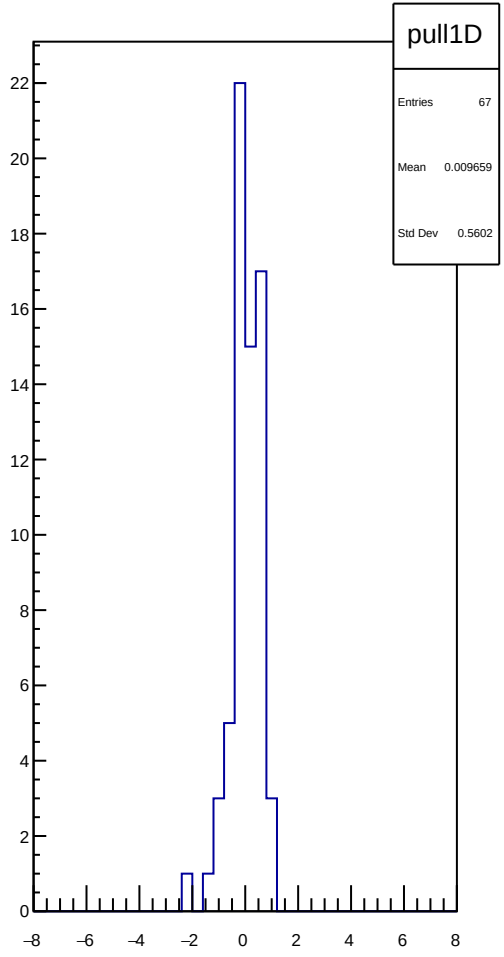

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.56 / 66
p0 4.54 ± 0.6851
pull
Entries 67
Mean −429.7
Std Dev 446.6

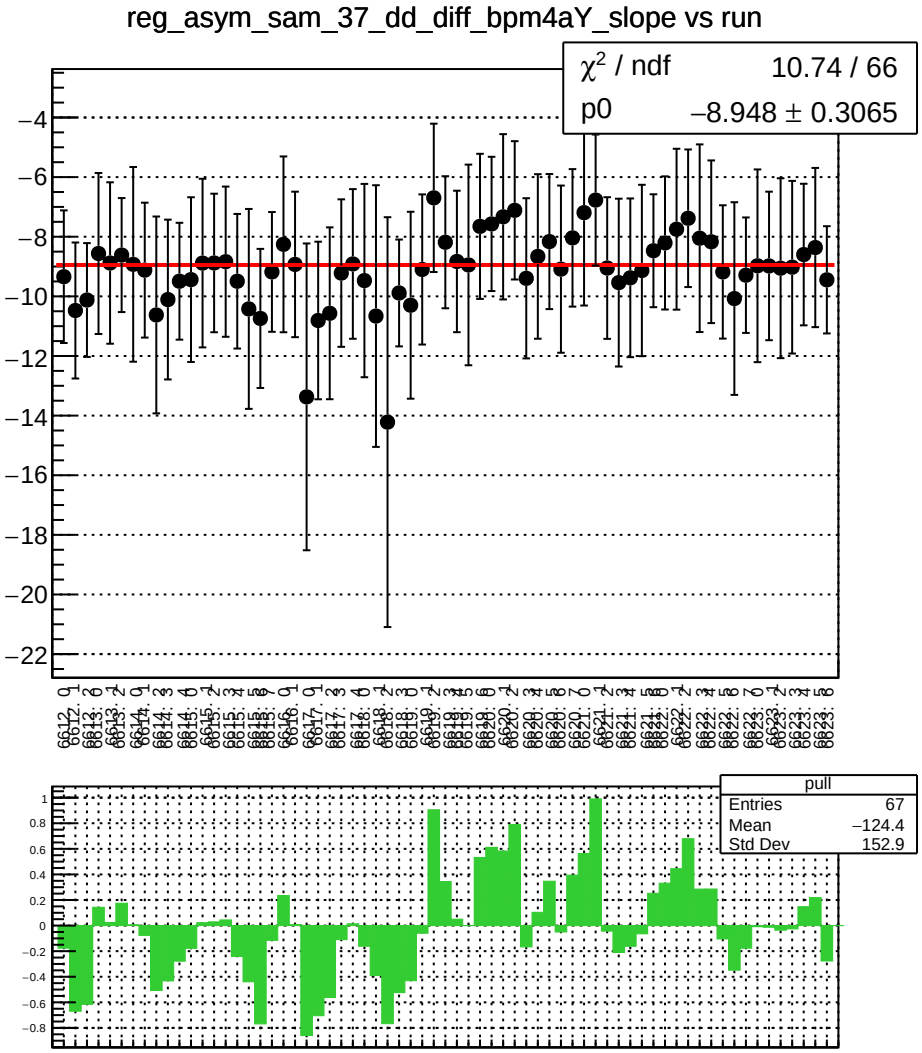

pull1D
Entries 67
Mean 0.004441
Std Dev 0.397

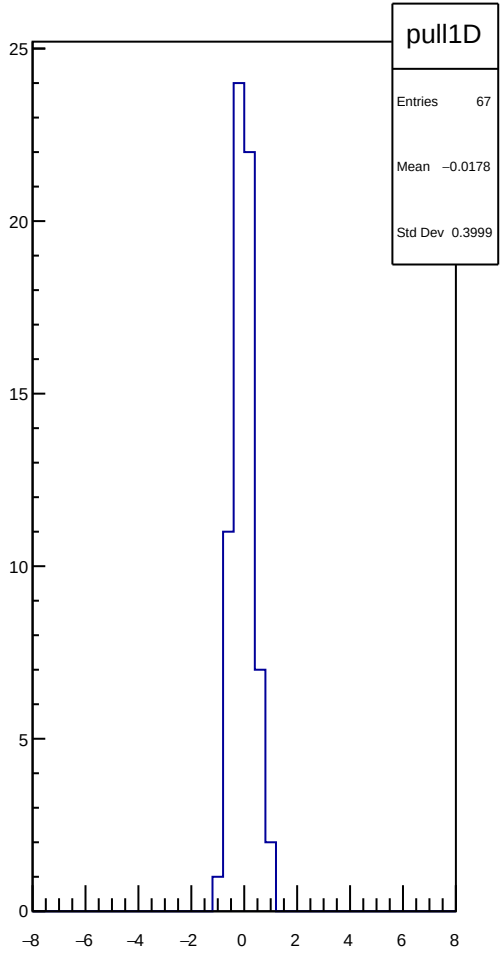

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.021 / 66
p0 0.4381± 0.03569
pull
Entries 67
Mean −260.9
Std Dev 297.4

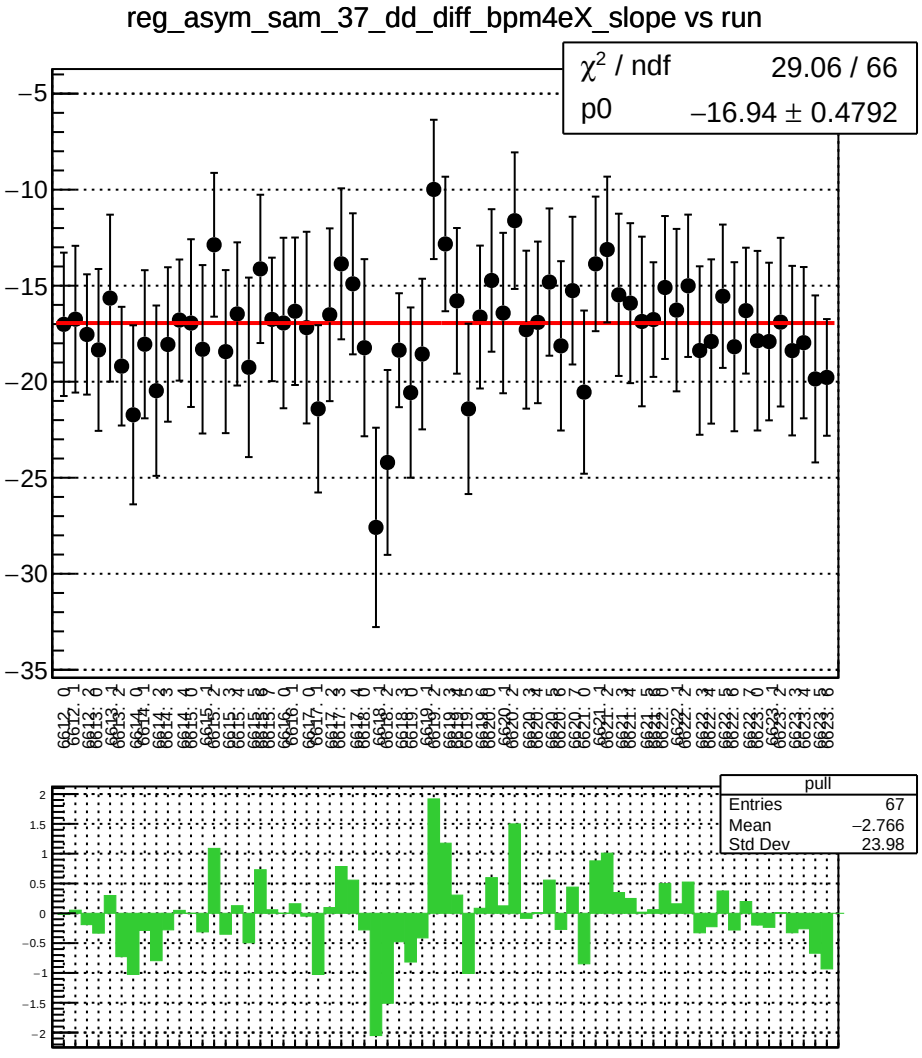

pull1D
Entries 67
Mean −0.005241
Std Dev 0.1736

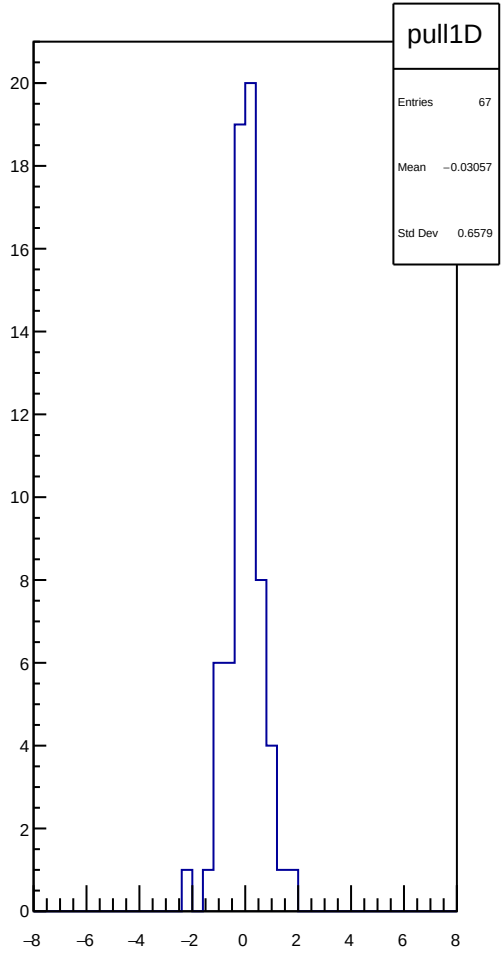

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 21.03 / 66
p0 −28.54 ± 0.4491
pull
Entries 67
Mean −15.18
Std Dev 78.48

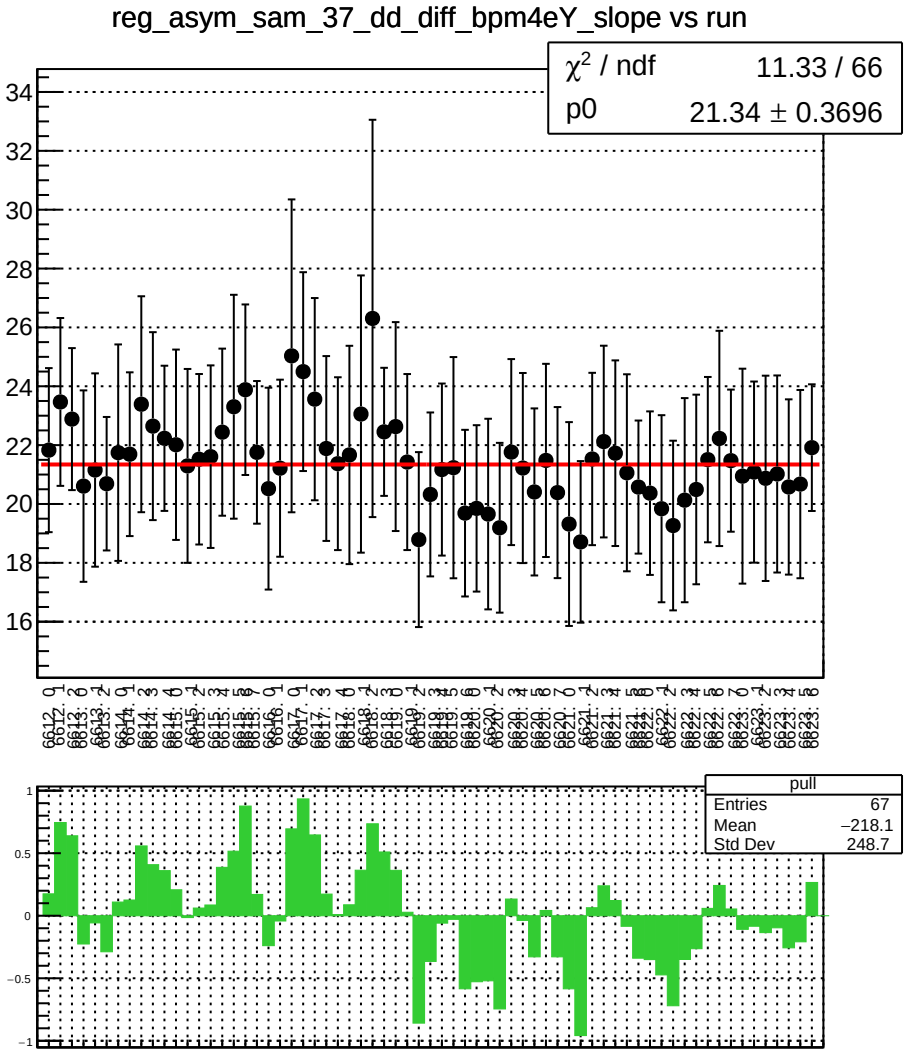

pull1D
Entries 67
Mean 0.009659
Std Dev 0.5602

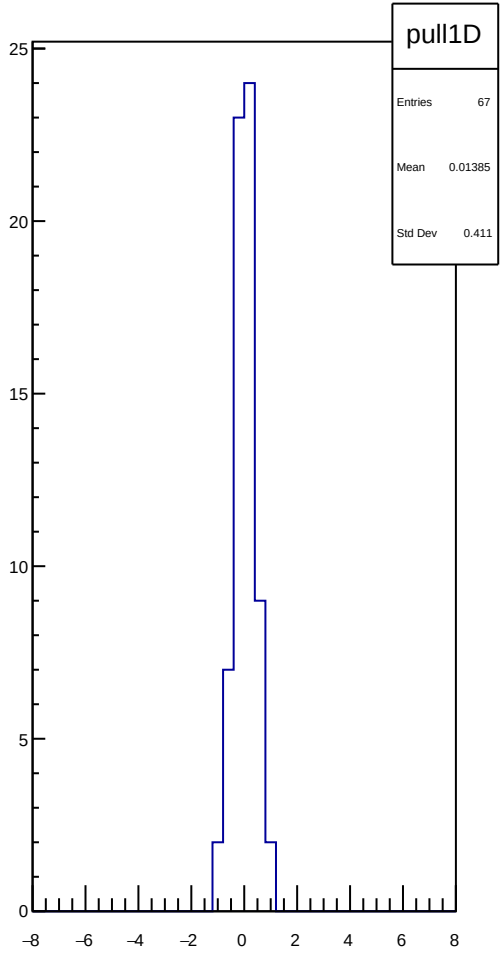

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.74 / 66
p0 −8.948 ± 0.3065
pull
Entries 67
Mean −124.4
Std Dev 152.9

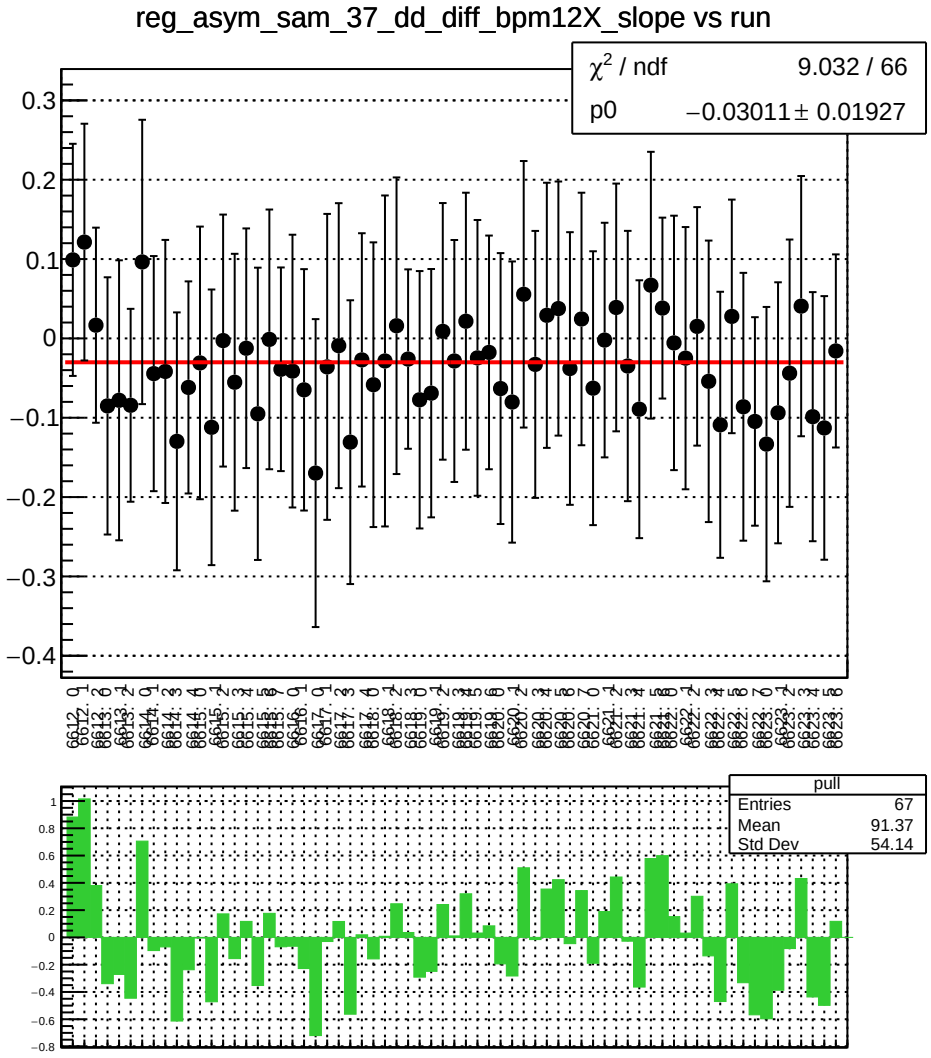

pull1D
Entries 67
Mean −0.0178
Std Dev 0.3999

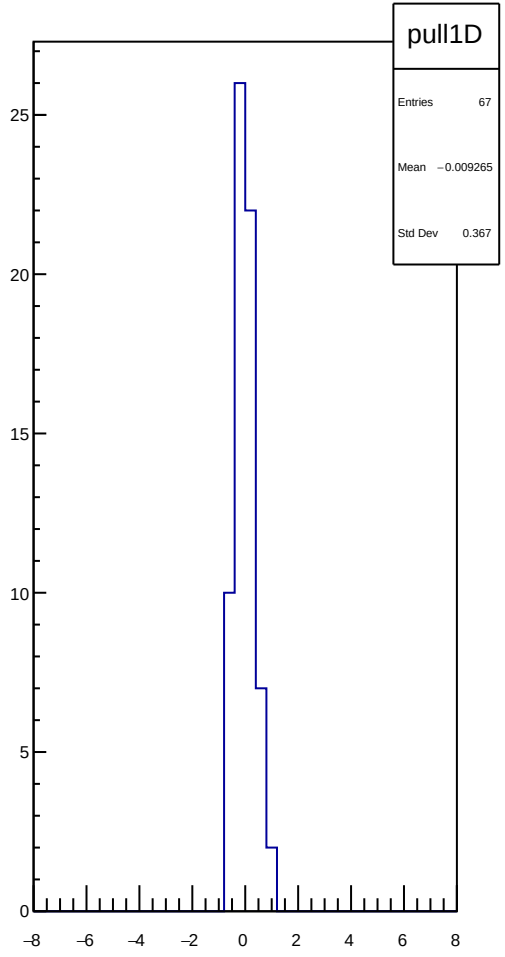

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.06 / 66
p0 −16.94 ± 0.4792
pull
Entries 67
Mean −2.766
Std Dev 23.98

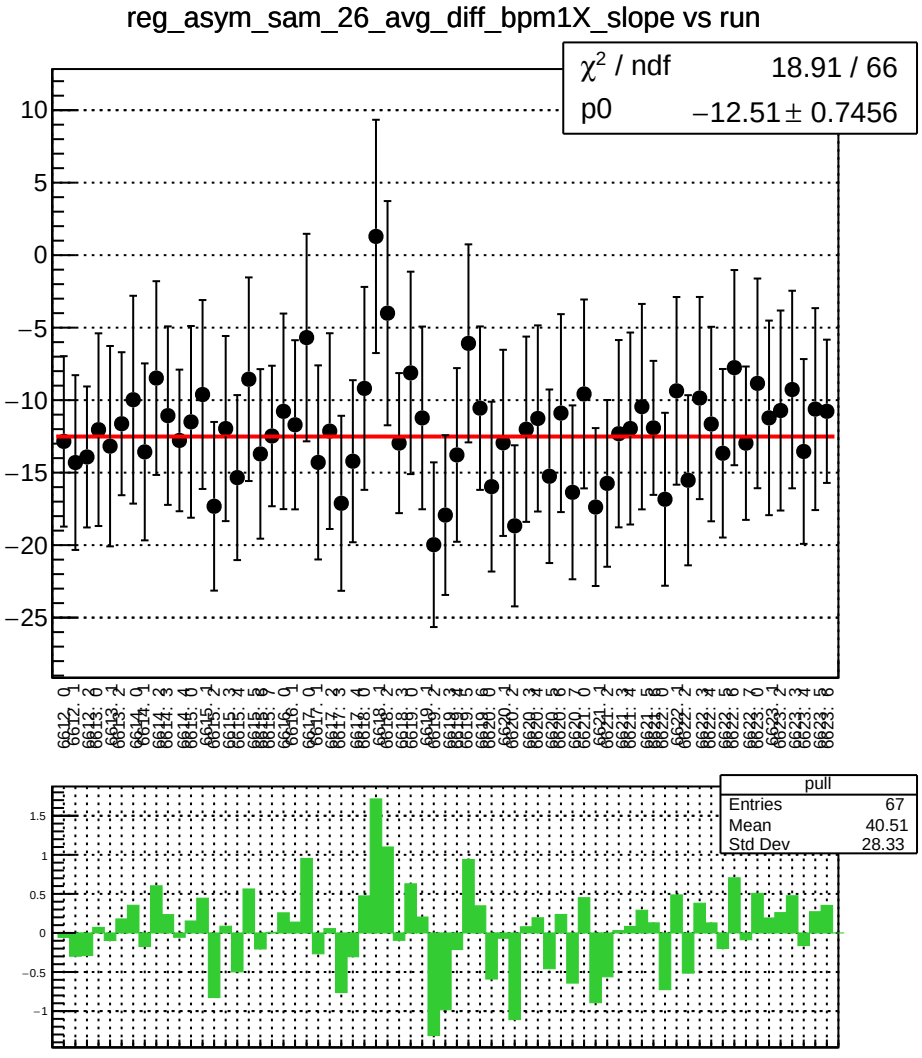

pull1D
Entries 67
Mean −0.03057
Std Dev 0.6579

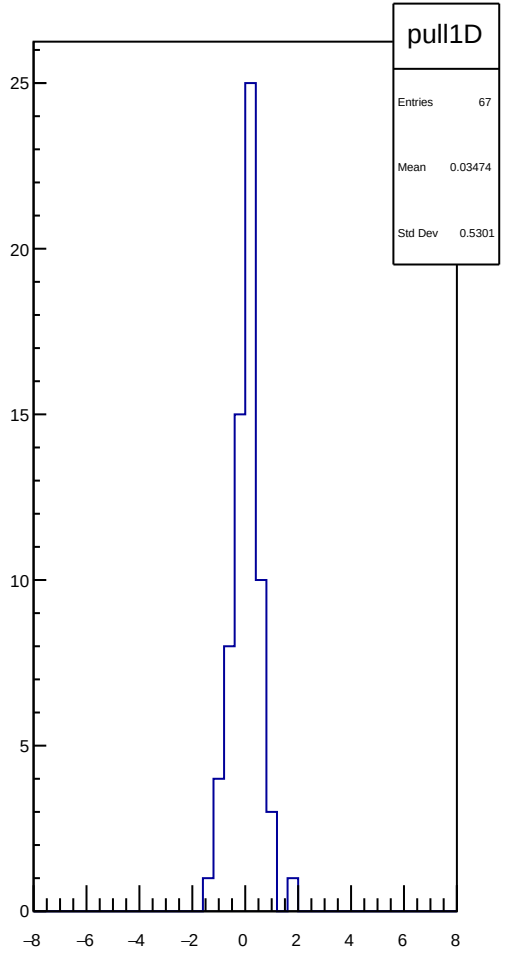

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.33 / 66
p0 21.34 ± 0.3696
pull
Entries 67
Mean −218.1
Std Dev 248.7

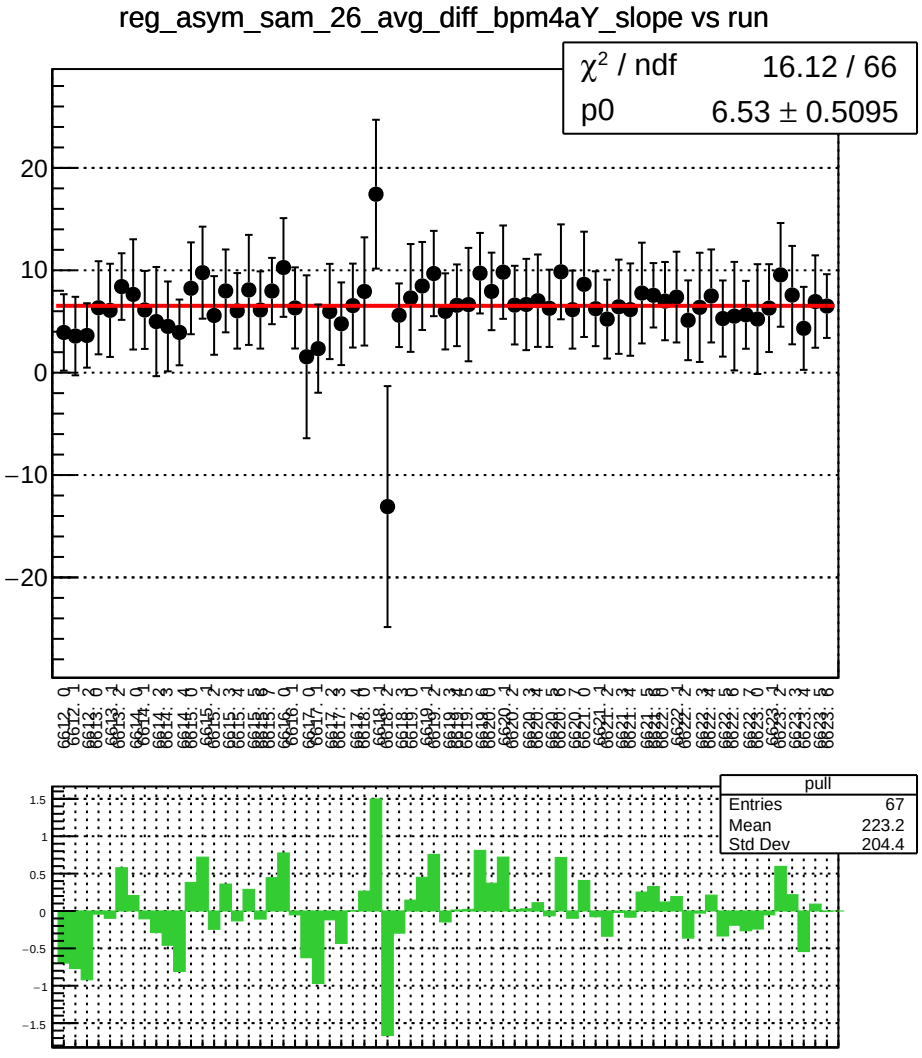

pull1D
Entries 67
Mean 0.01385
Std Dev 0.411

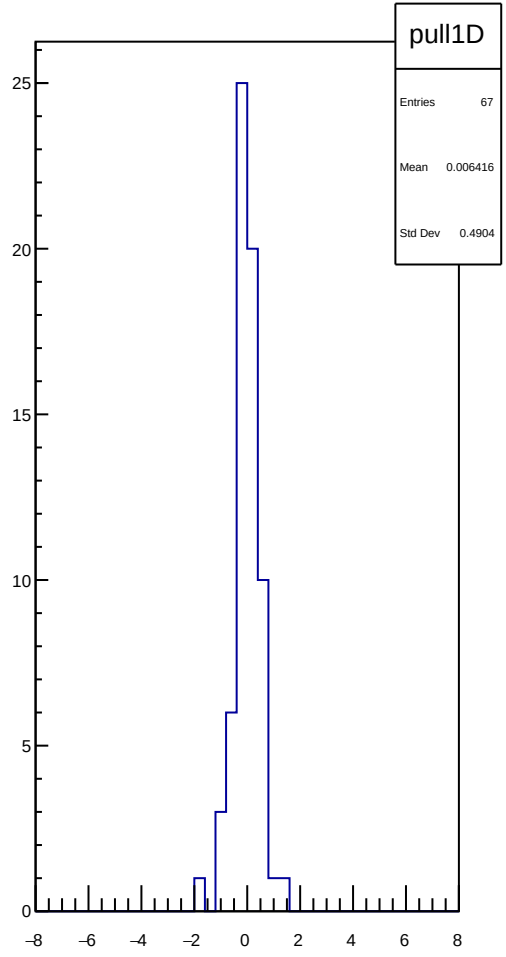

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.032 / 66
p0 −0.03011 ± 0.01927
pull
Entries 67
Mean 91.37
Std Dev 54.14

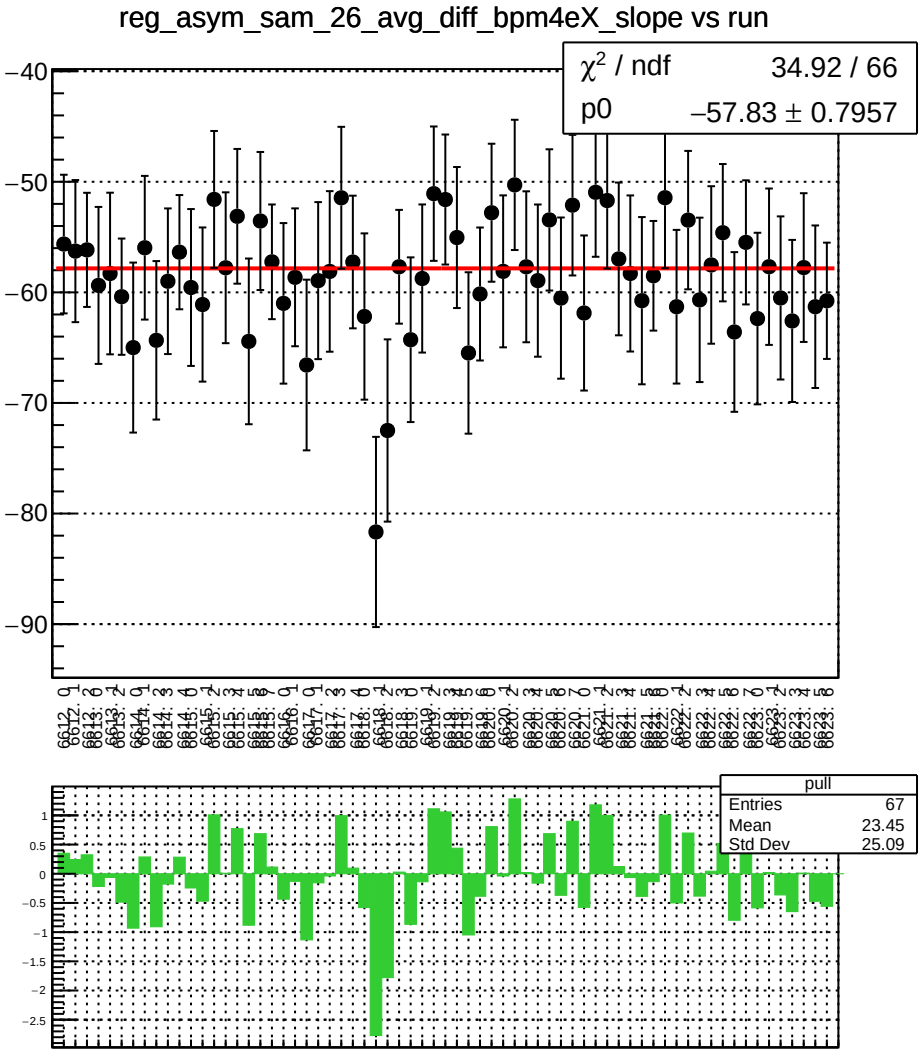

pull1D
Entries 67
Mean −0.009265
Std Dev 0.367

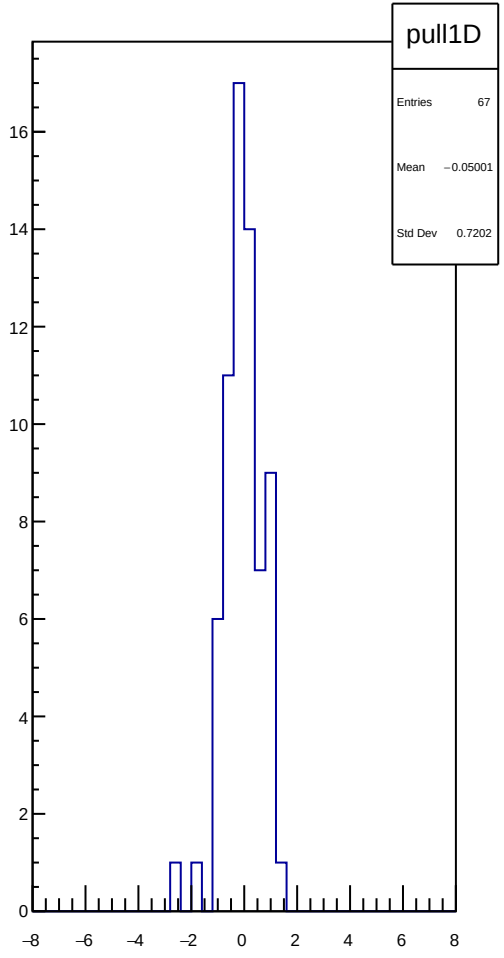

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 18.91 / 66
p0 −12.51 ± 0.7456
pull
Entries 67
Mean 40.51
Std Dev 28.33

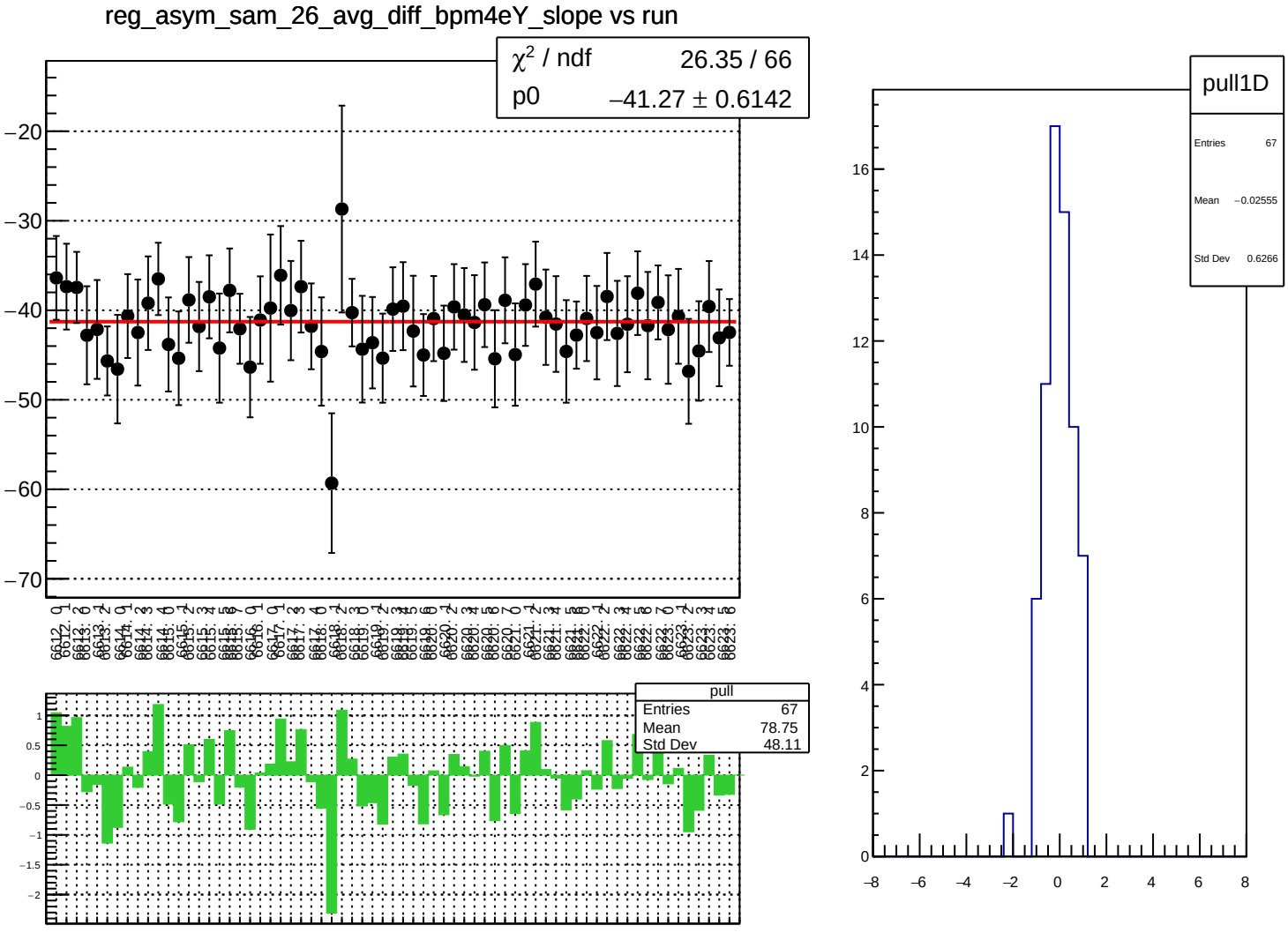

pull1D
Entries 67
Mean 0.03474
Std Dev 0.5301

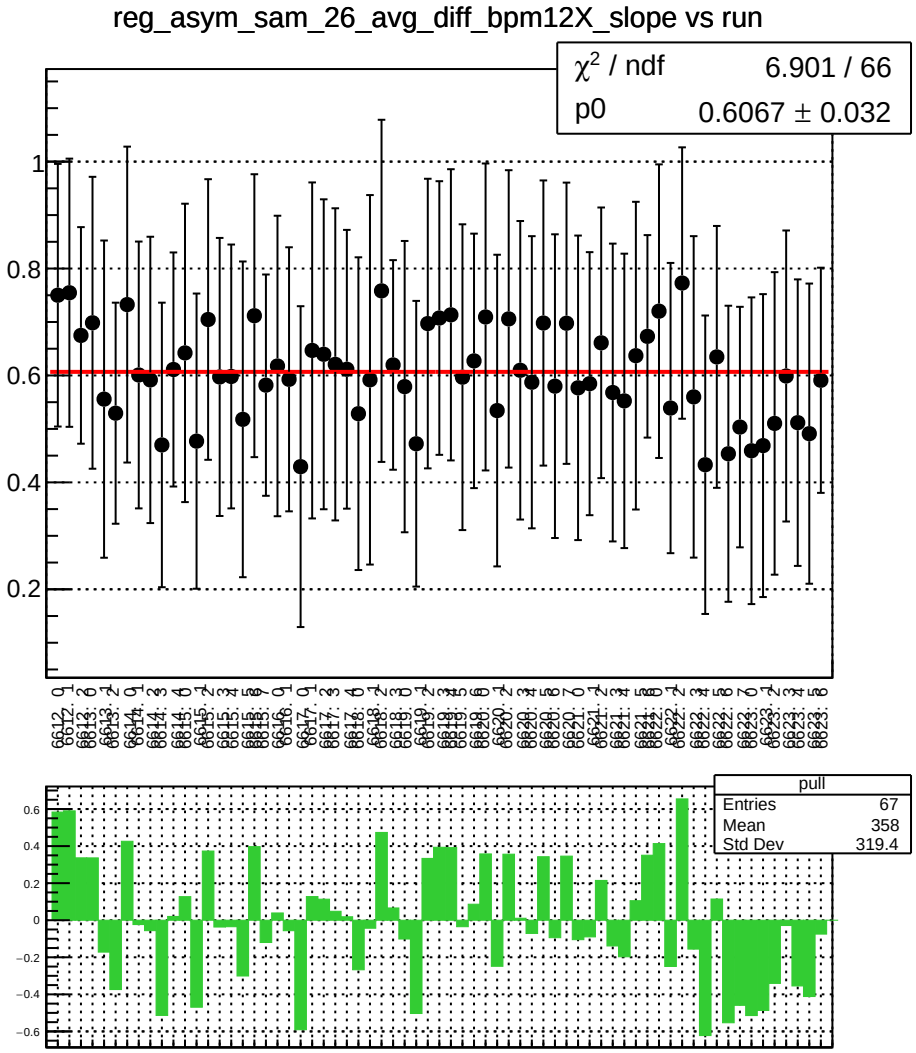

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 16.12 / 66
p0 6.53 ± 0.5095
pull
Entries 67
Mean 223.2
Std Dev 204.4

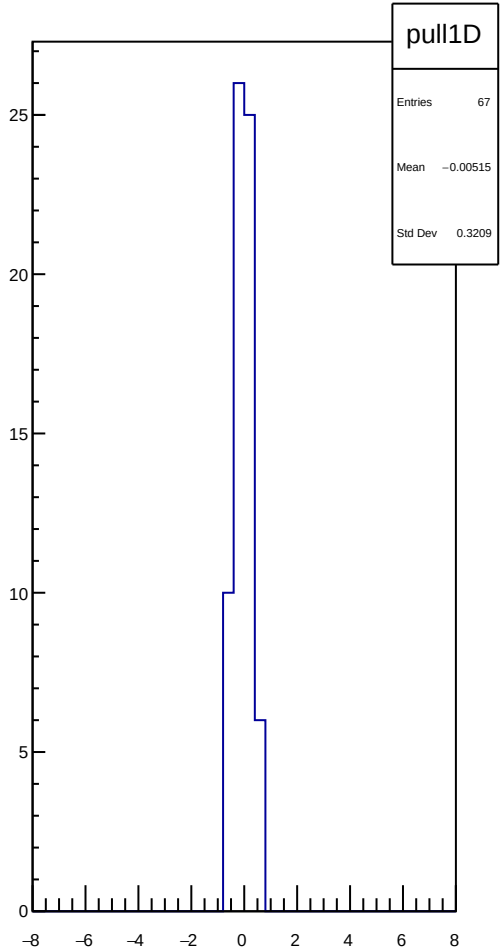

pull1D
Entries 67
Mean 0.006416
Std Dev 0.4904

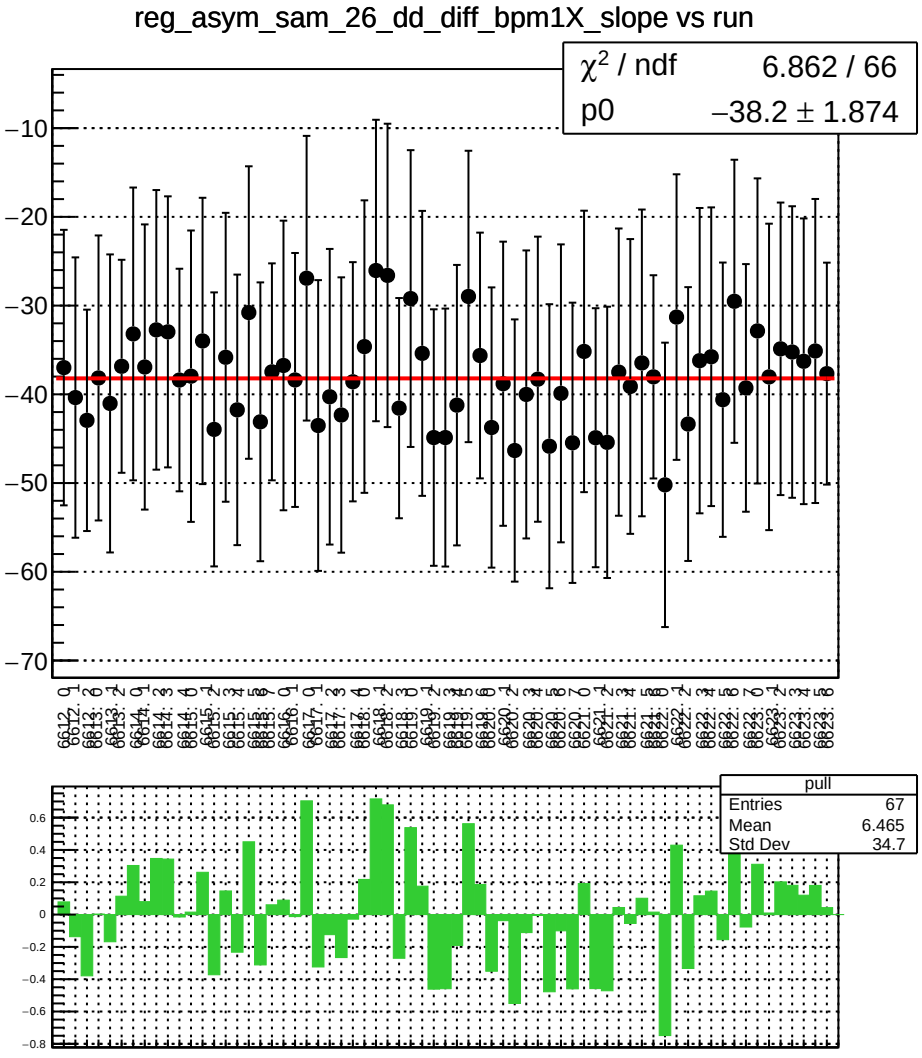

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 34.92 / 66
p0 −57.83 ± 0.7957
pull
Entries 67
Mean 23.45
Std Dev 25.09

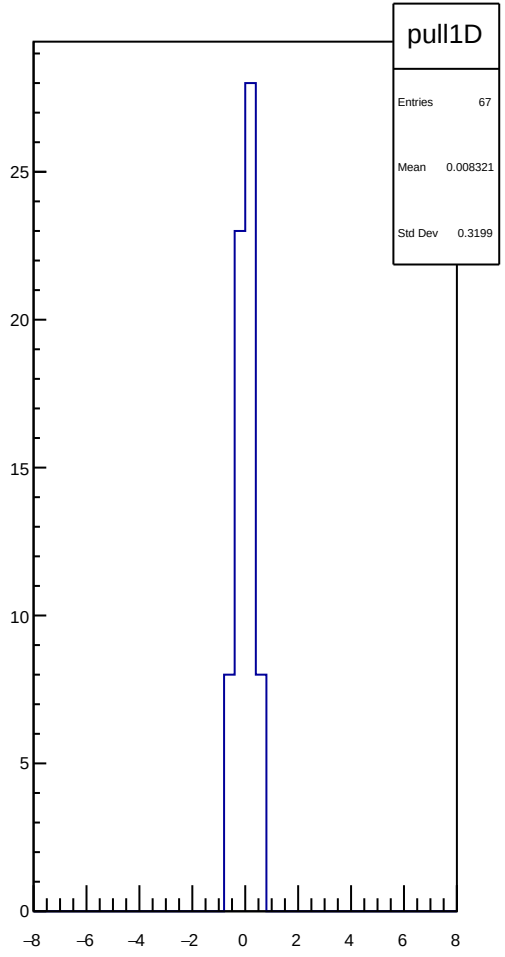

pull1D
Entries 67
Mean −0.05001
Std Dev 0.7202

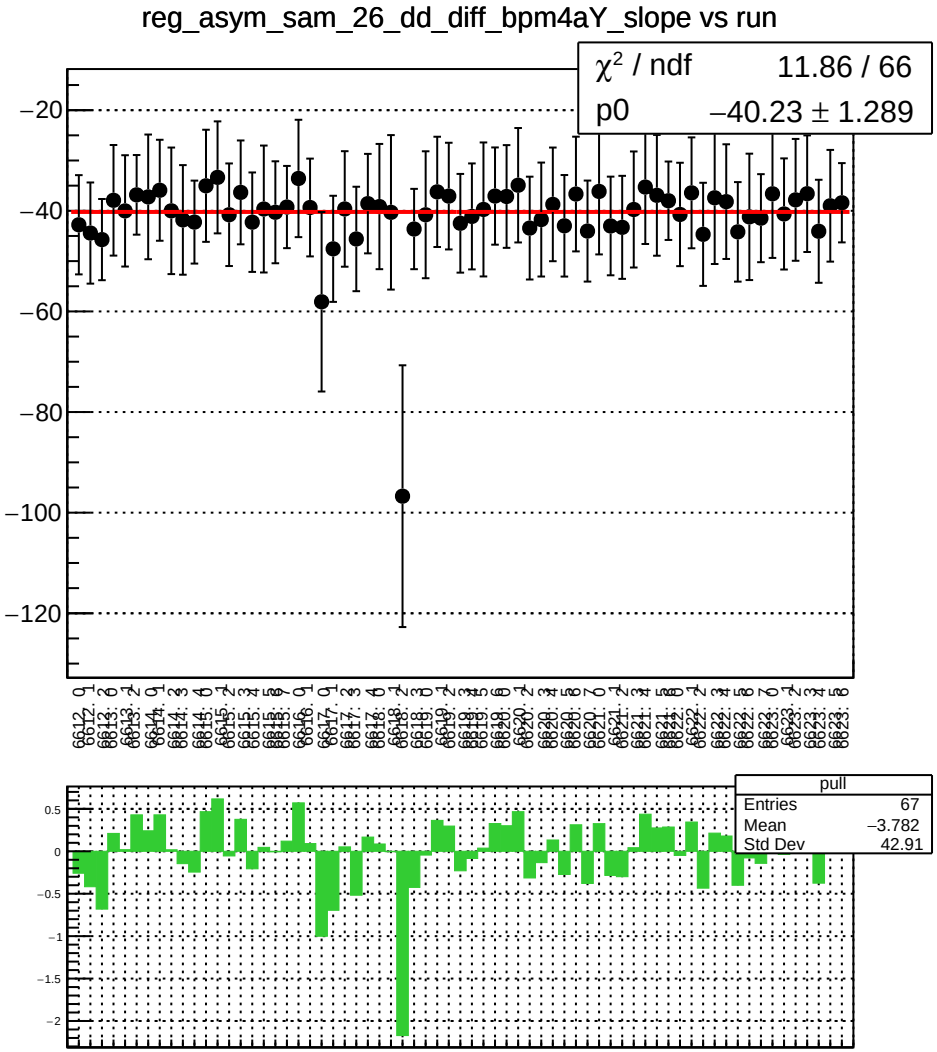

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.35 / 66
p0 −41.27 ± 0.6142
pull
Entries 67
Mean 78.75
Std Dev 48.11
pull1D
Entries 67
Mean −0.02555
Std Dev 0.6266

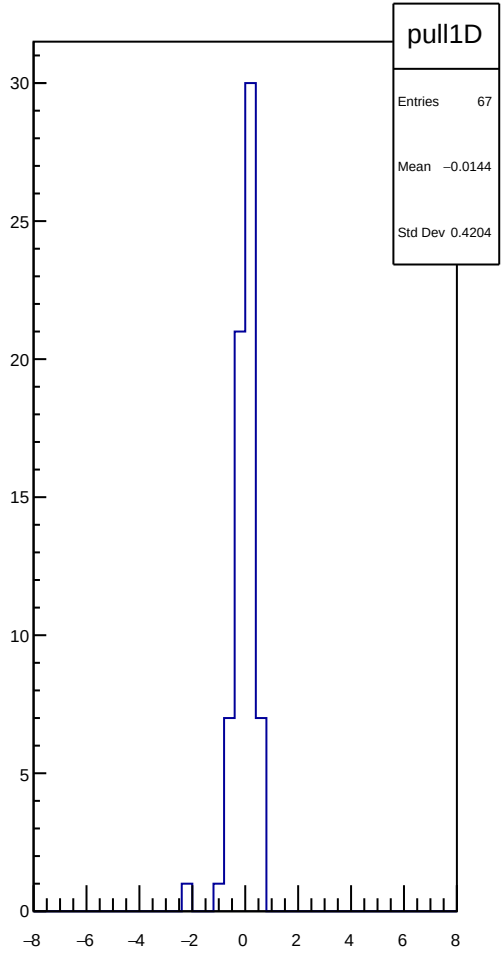

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.901 / 66
p0 0.6067 ± 0.032
pull
Entries 67
Mean 358
Std Dev 319.4

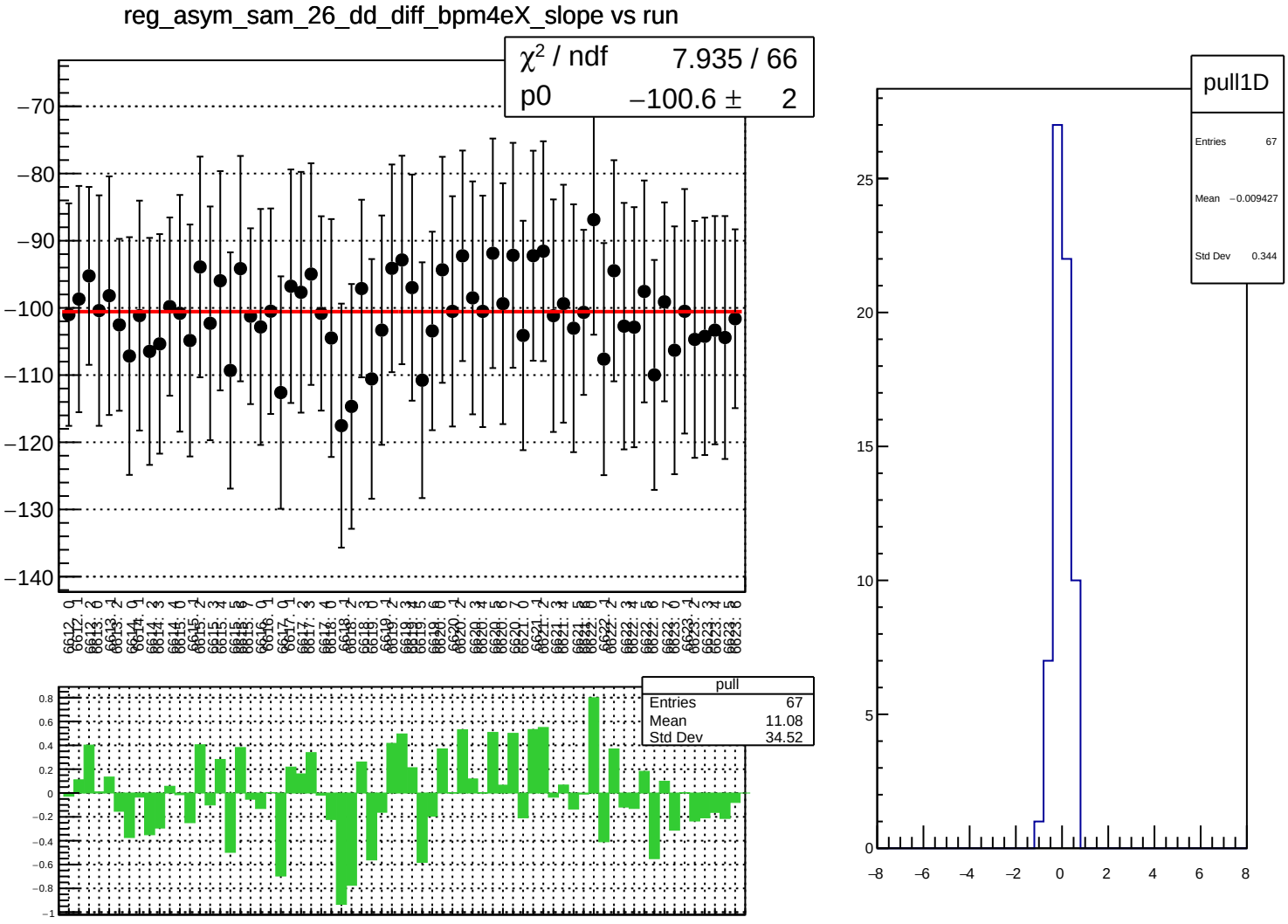

pull1D
Entries 67
Mean −0.00515
Std Dev 0.3209

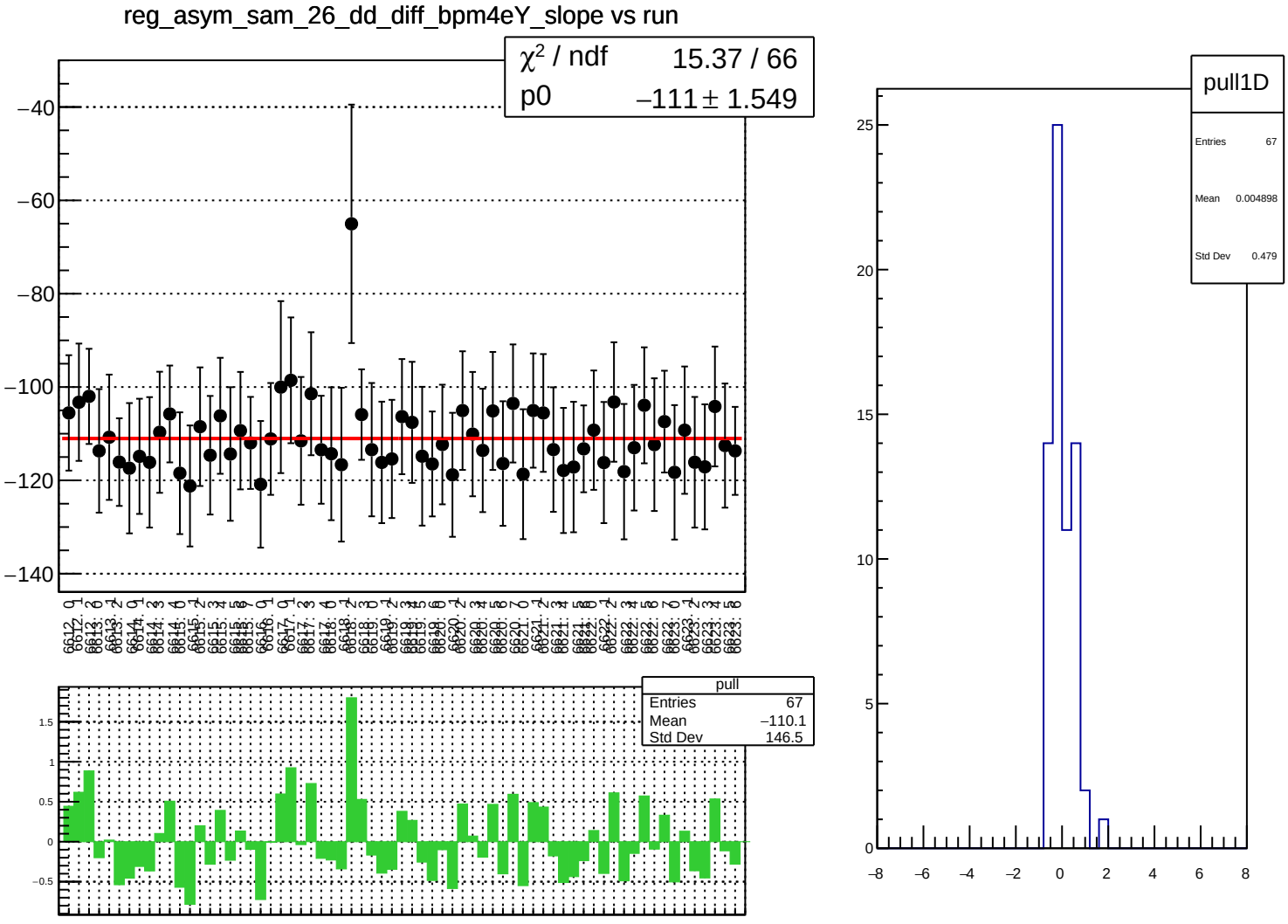

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.862 / 66
p0 −38.2 ± 1.874
pull
Entries 67
Mean 6.465
Std Dev 34.7

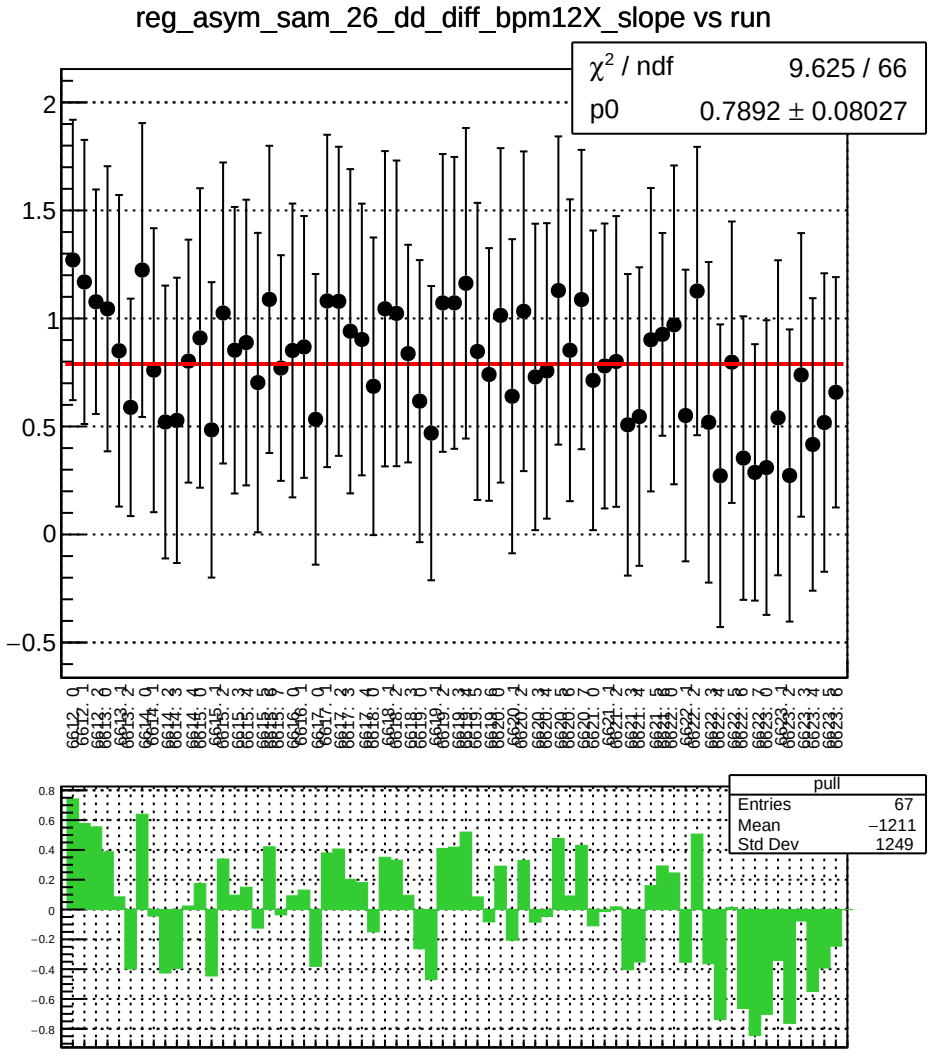

pull1D
Entries 67
Mean 0.008321
Std Dev 0.3199

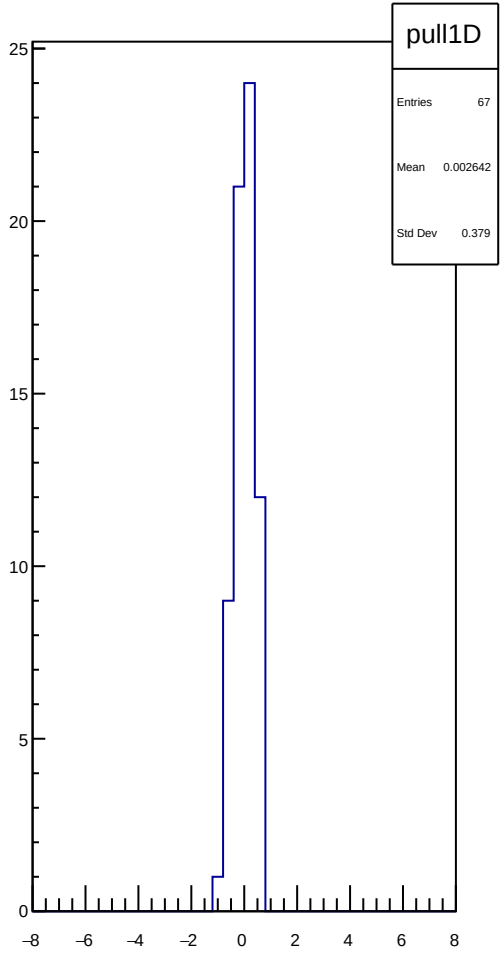

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.86 / 66
p0 −40.23 ± 1.289
pull
Entries 67
Mean −3.782
Std Dev 42.91

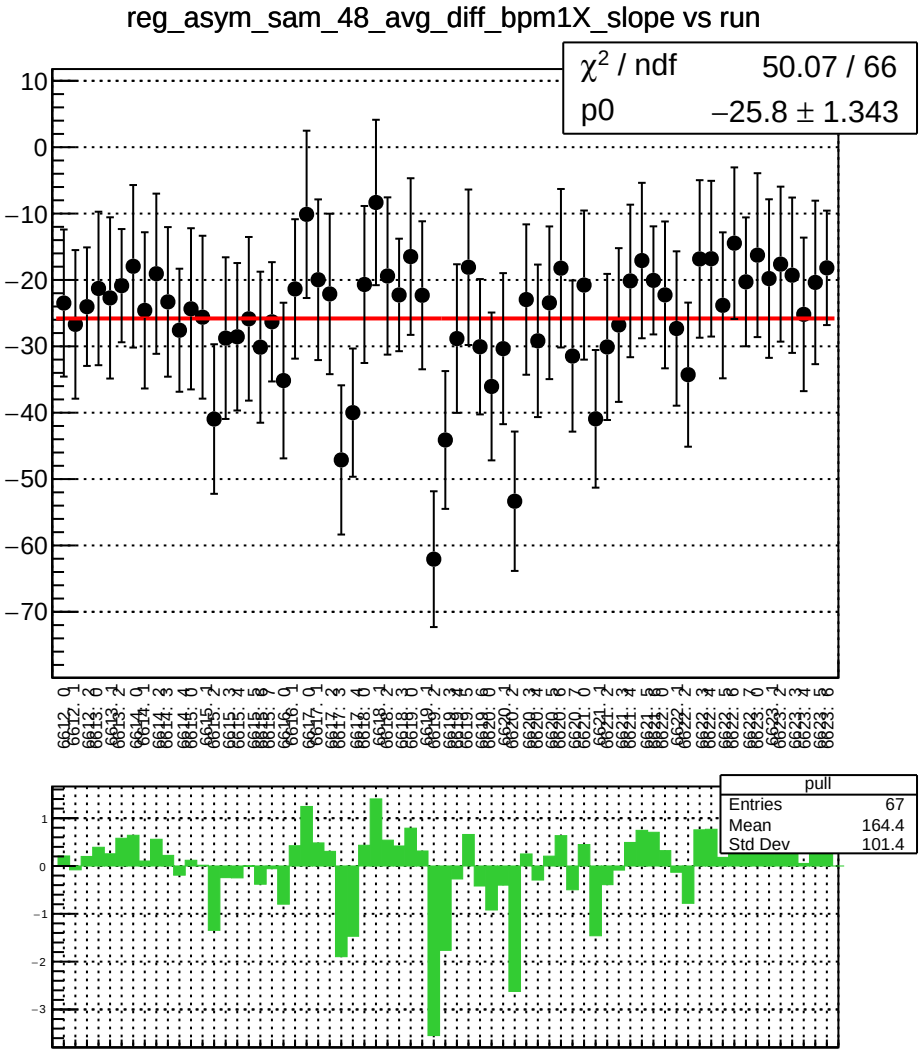

pull1D
Entries 67
Mean −0.0144
Std Dev 0.4204

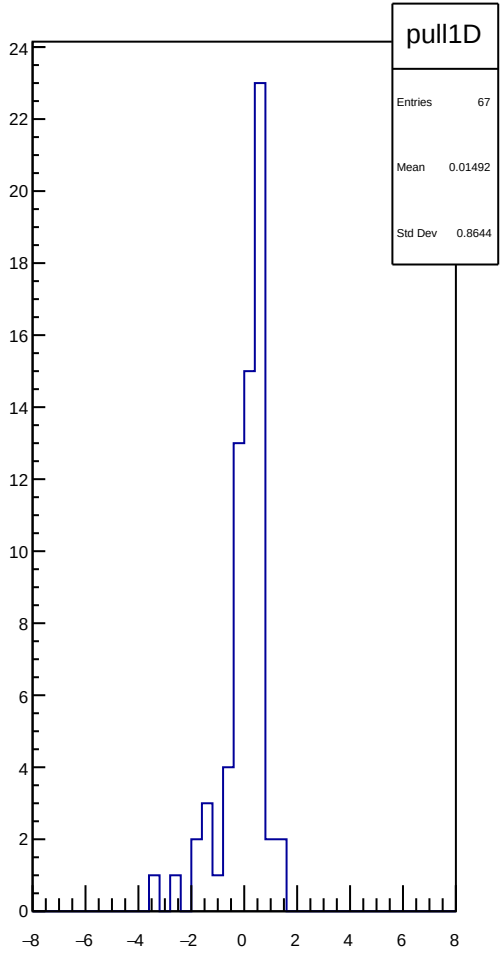

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.935 / 66
p0 −100.6 ± 2
pull
Entries 67
Mean 11.08
Std Dev 34.52
pull1D
Entries 67
Mean −0.009427
Std Dev 0.344

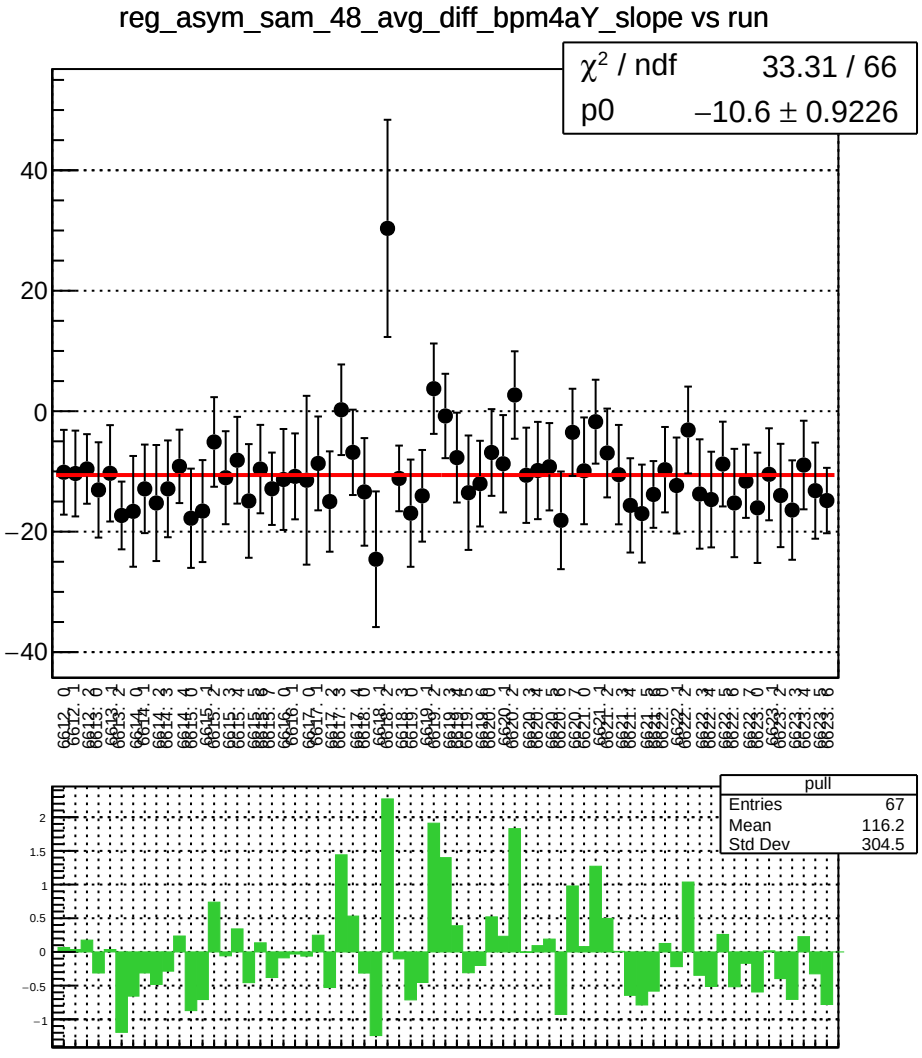

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.37 / 66
p0 −111 ± 1.549
pull
Entries 67
Mean −110.1
Std Dev 146.5
pull1D
Entries 67
Mean 0.004898
Std Dev 0.479

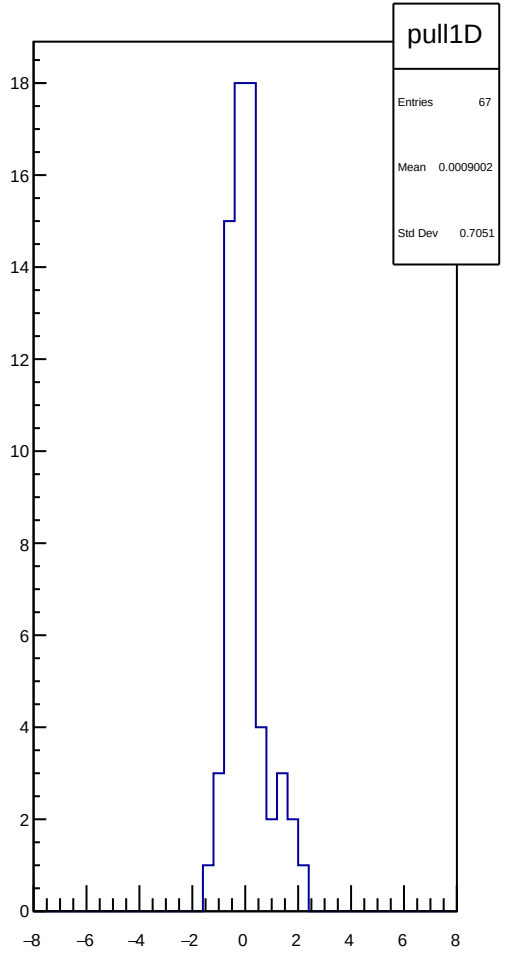

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.625 / 66
p0 0.7892 ± 0.08027
pull
Entries 67
Mean −1211
Std Dev 1249

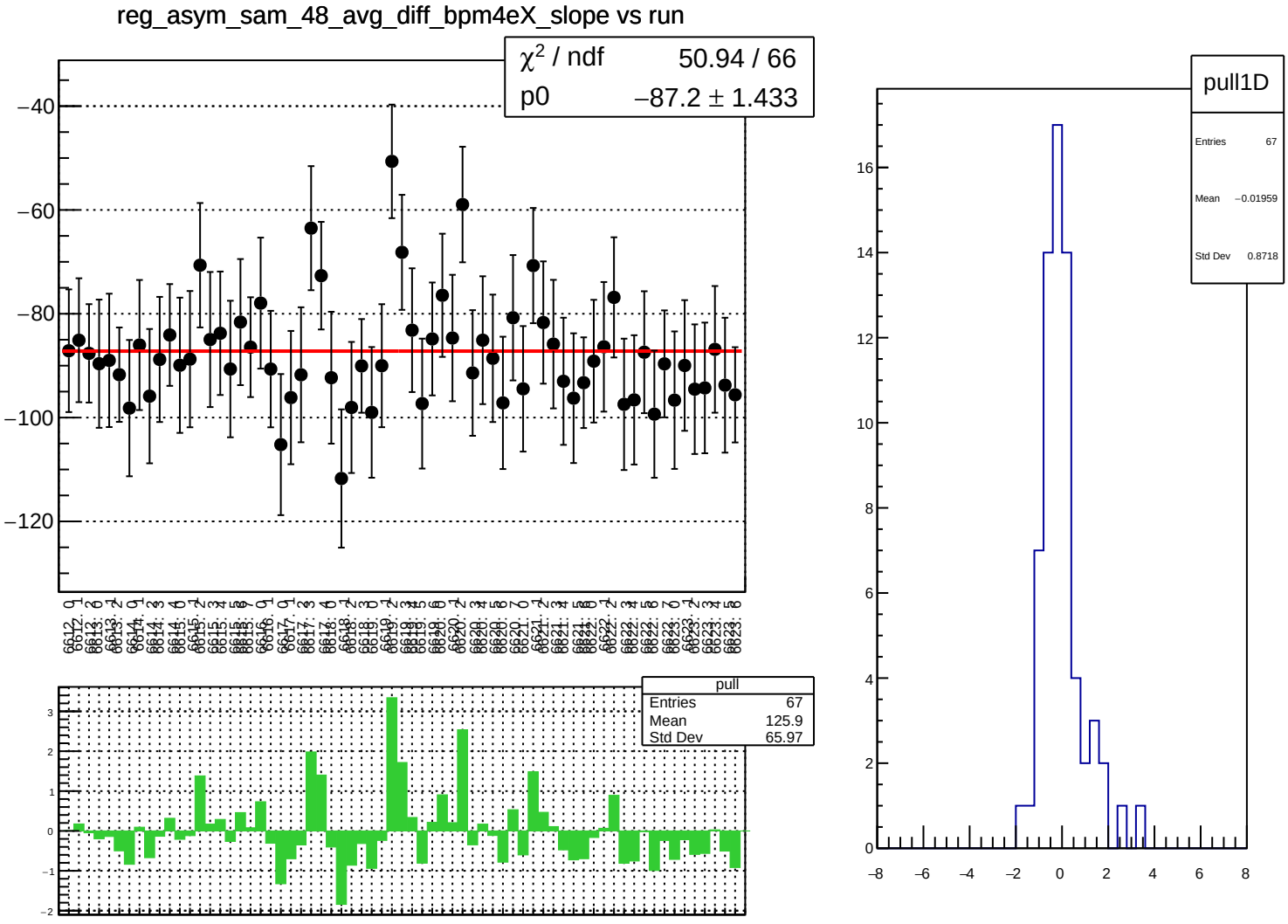

pull1D
Entries 67
Mean 0.002642
Std Dev 0.379

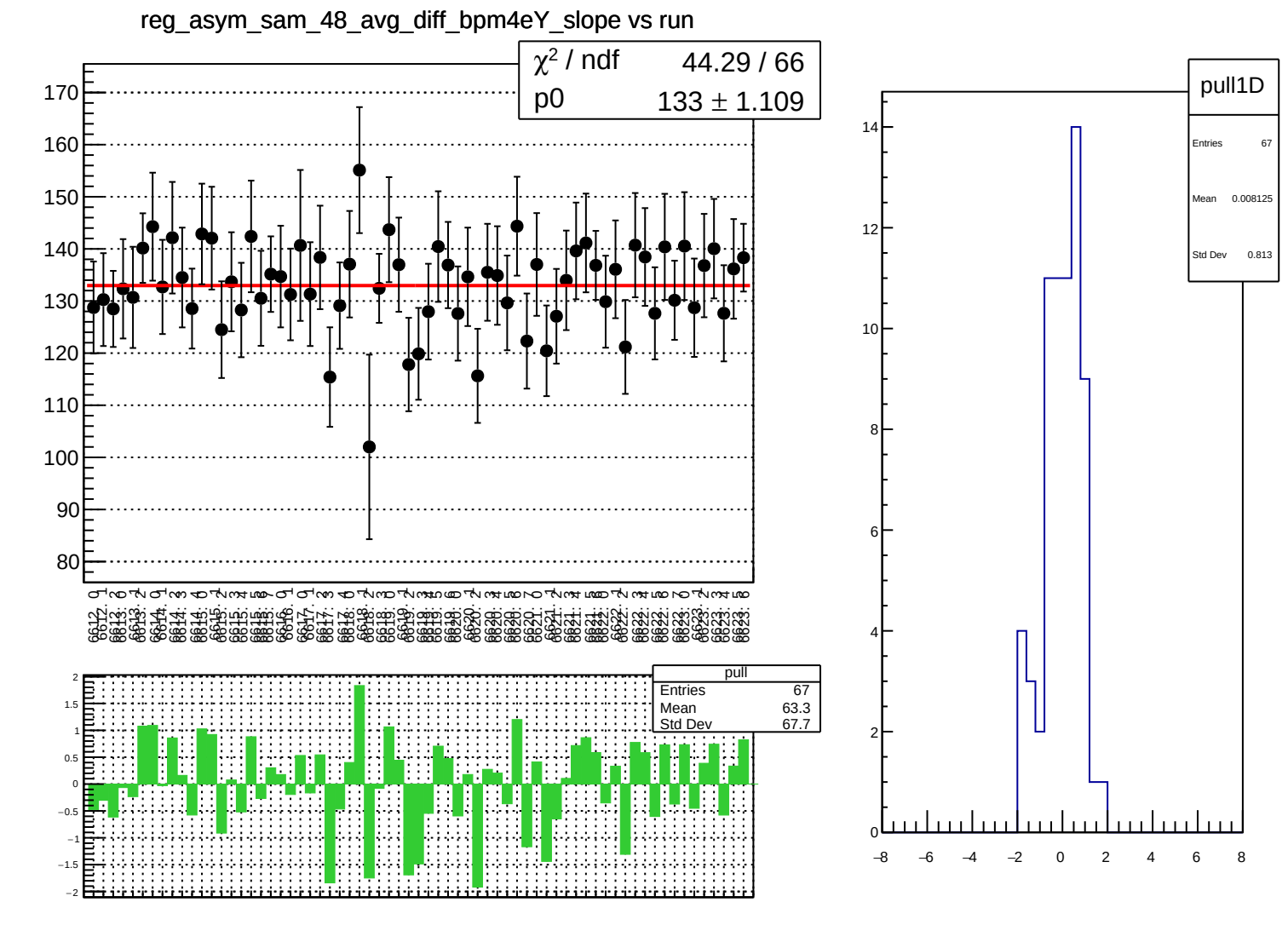

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 50.07 / 66
p0 −25.8 ± 1.343
pull
Entries 67
Mean 164.4
Std Dev 101.4

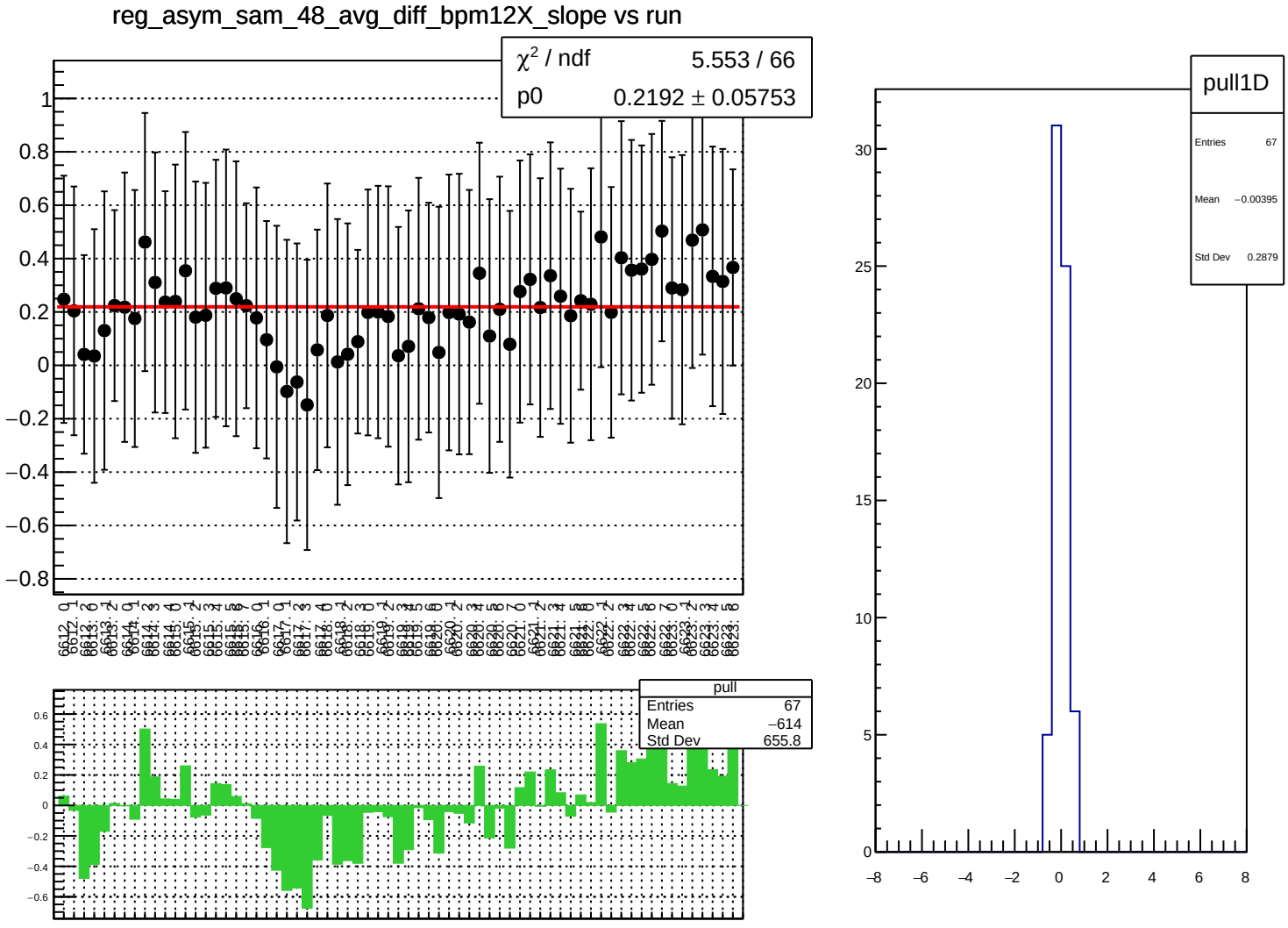

pull1D
Entries 67
Mean 0.01492
Std Dev 0.8644

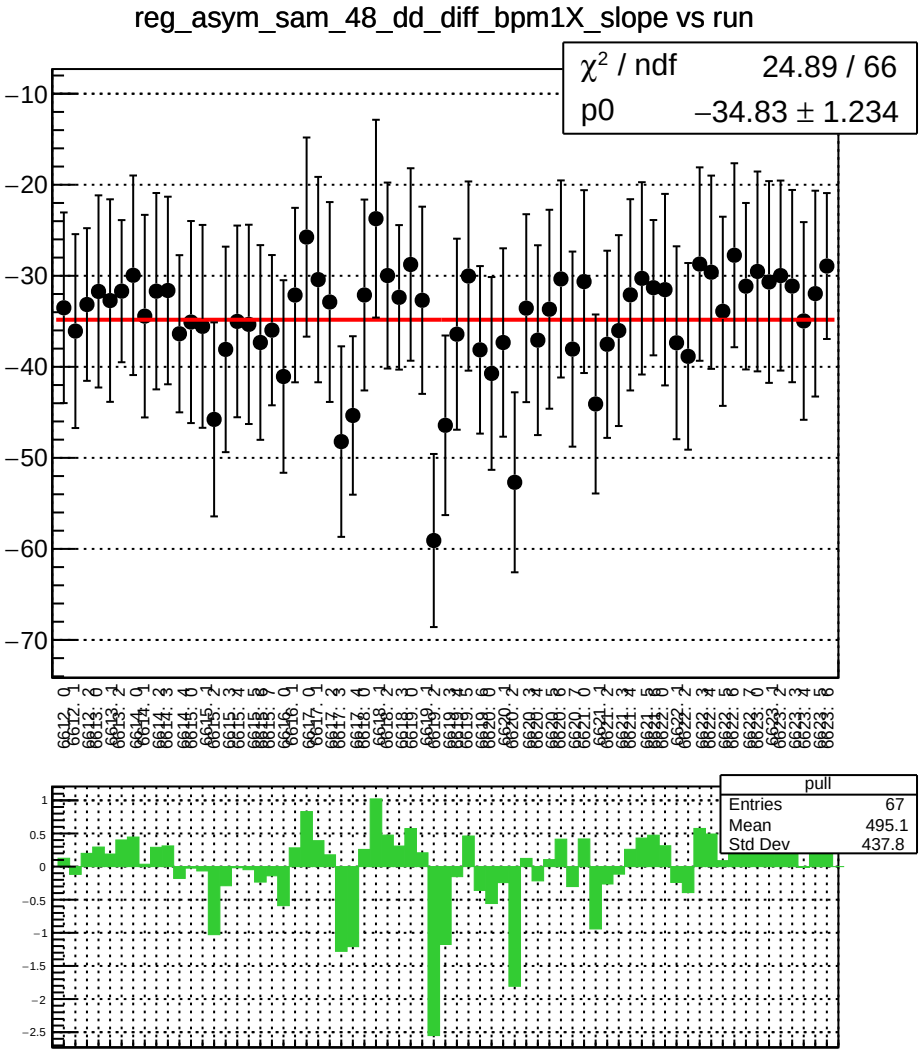

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.31 / 66
p0 −10.6 ± 0.9226
pull
Entries 67
Mean 116.2
Std Dev 304.5

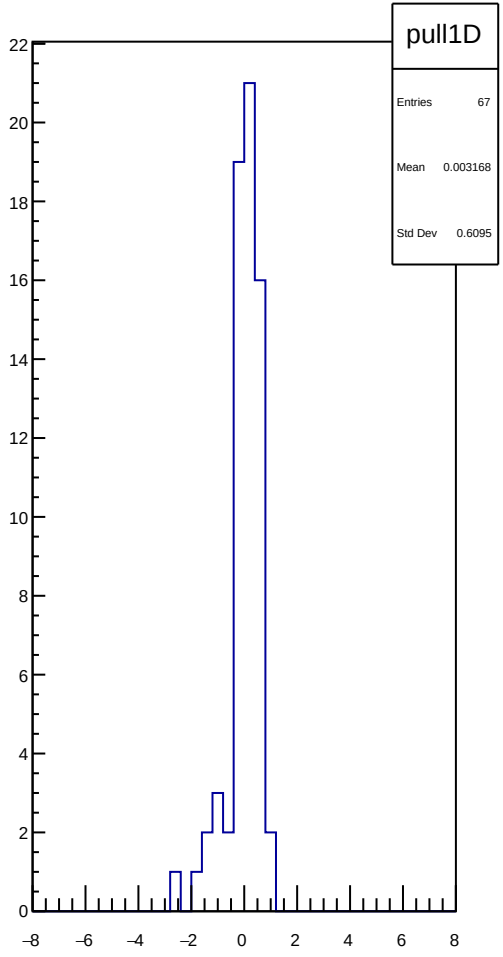

pull1D
Entries 67
Mean 0.0009002
Std Dev 0.7051

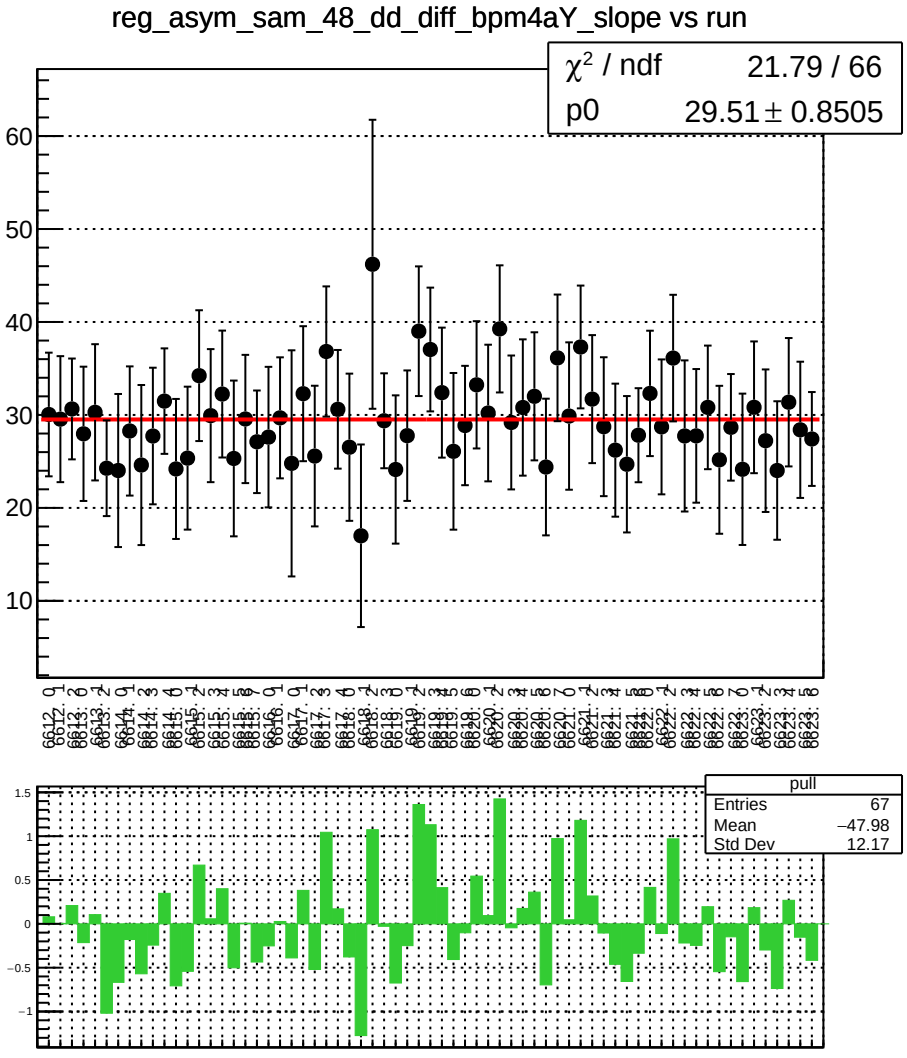

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.94 / 66
p0 −87.2 ± 1.433
pull
Entries 67
Mean 125.9
Std Dev 65.97
pull1D
Entries 67
Mean −0.01959
Std Dev 0.8718

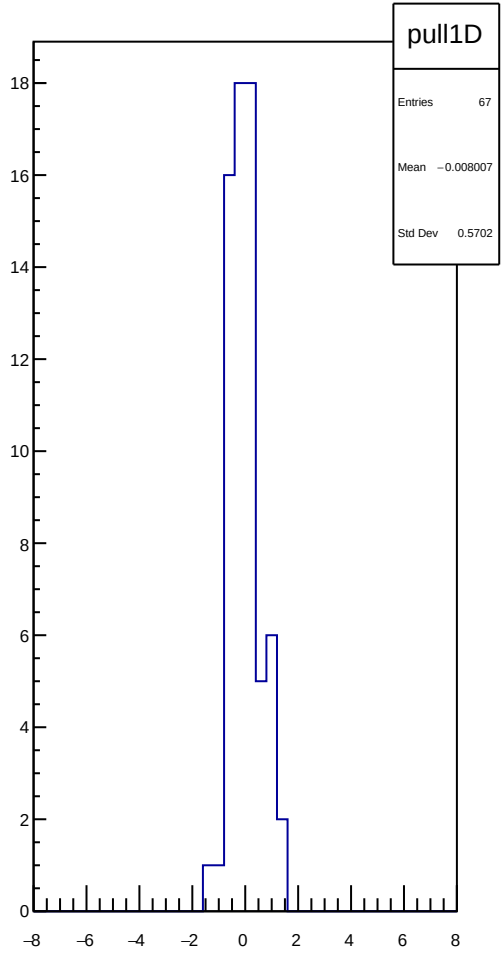

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.29 / 66
p0 133 ± 1.109
pull
Entries 67
Mean 63.3
Std Dev 67.7
pull1D
Entries 67
Mean 0.008125
Std Dev 0.813

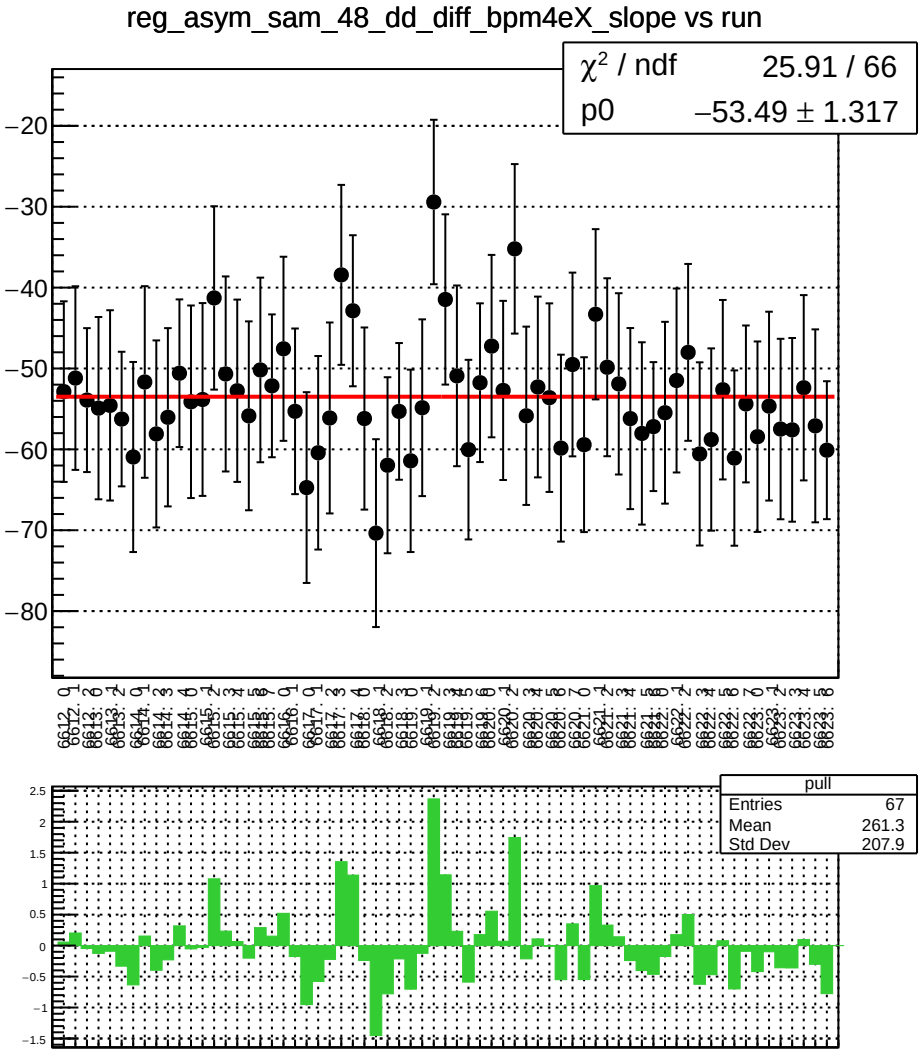

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.553 / 66
p0 0.2192 ± 0.05753
pull
Entries 67
Mean −614
Std Dev 655.8
pull1D
Entries 67
Mean −0.00395
Std Dev 0.2879

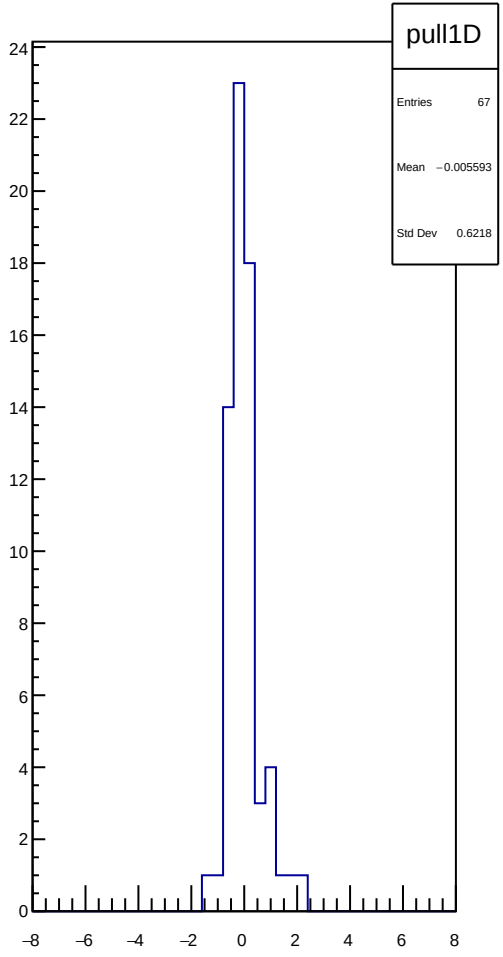

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 24.89 / 66
p0 −34.83 ± 1.234
pull
Entries 67
Mean 495.1
Std Dev 437.8

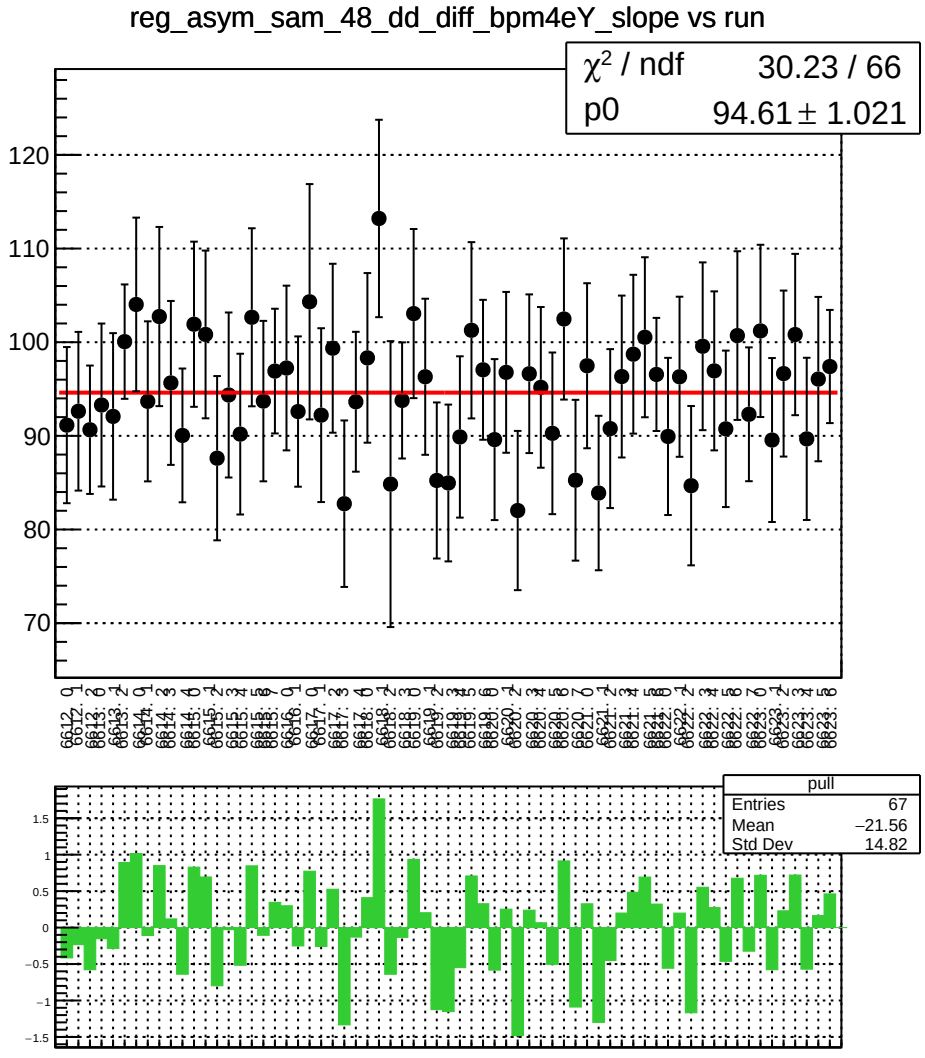

pull1D
Entries 67
Mean 0.003168
Std Dev 0.6095

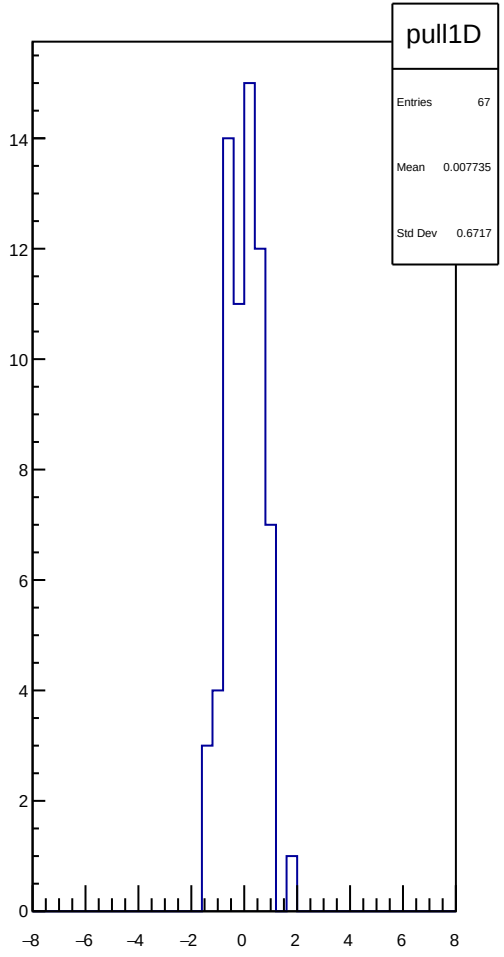

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.79 / 66
p0 29.51 ± 0.8505
pull
Entries 67
Mean −47.98
Std Dev 12.17

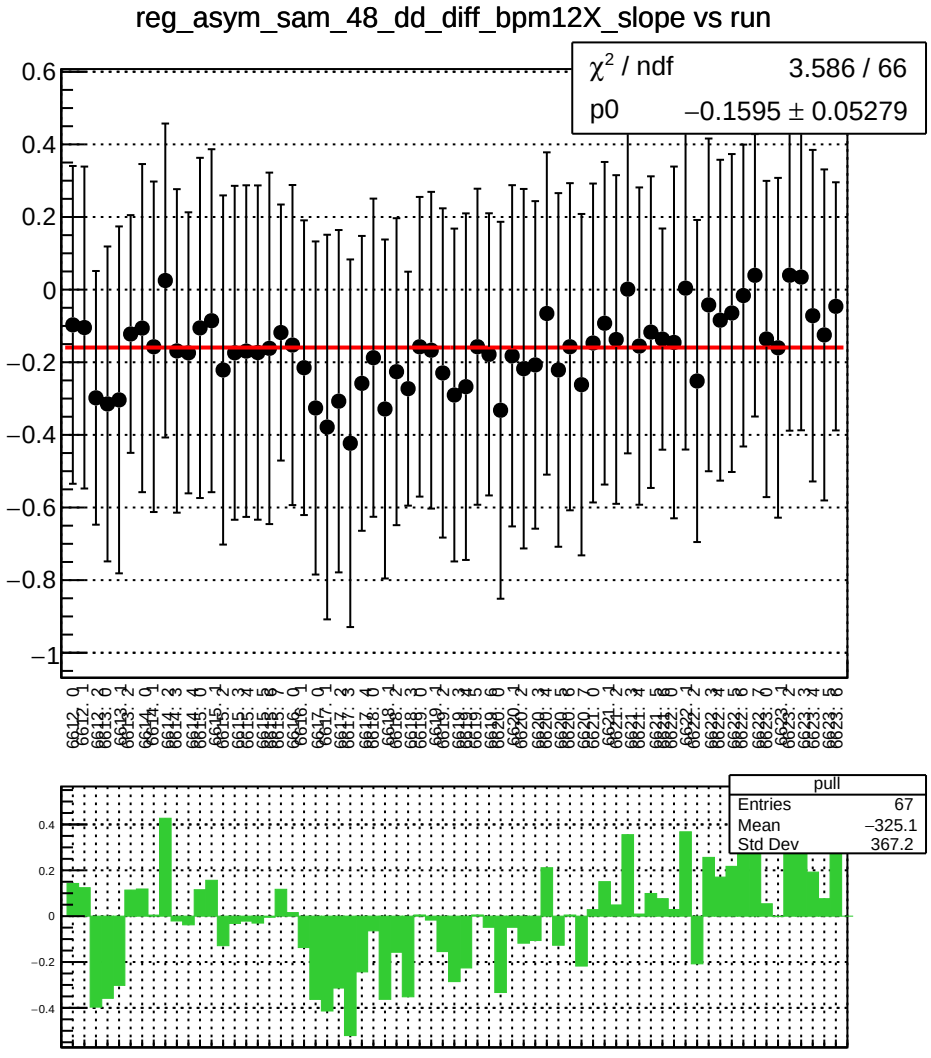

pull1D
Entries 67
Mean −0.008007
Std Dev 0.5702

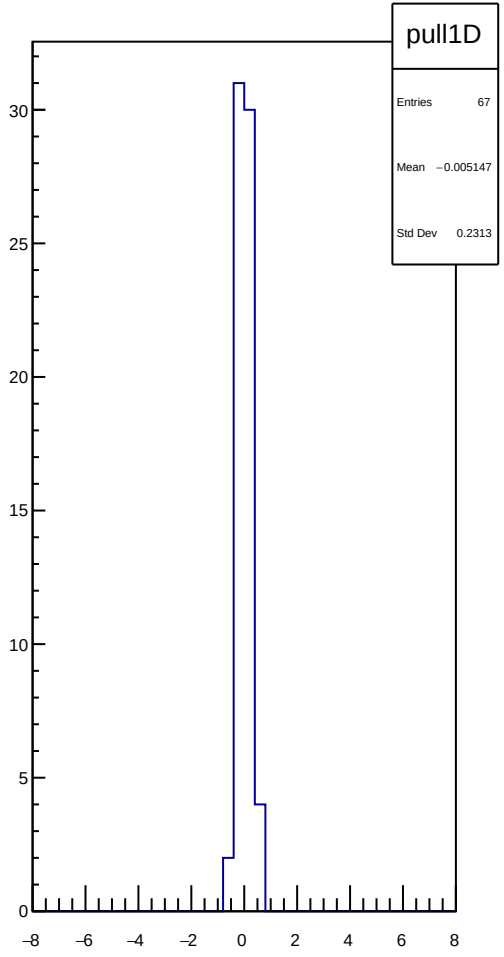

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.91 / 66
p0 −53.49 ± 1.317
pull
Entries 67
Mean 261.3
Std Dev 207.9

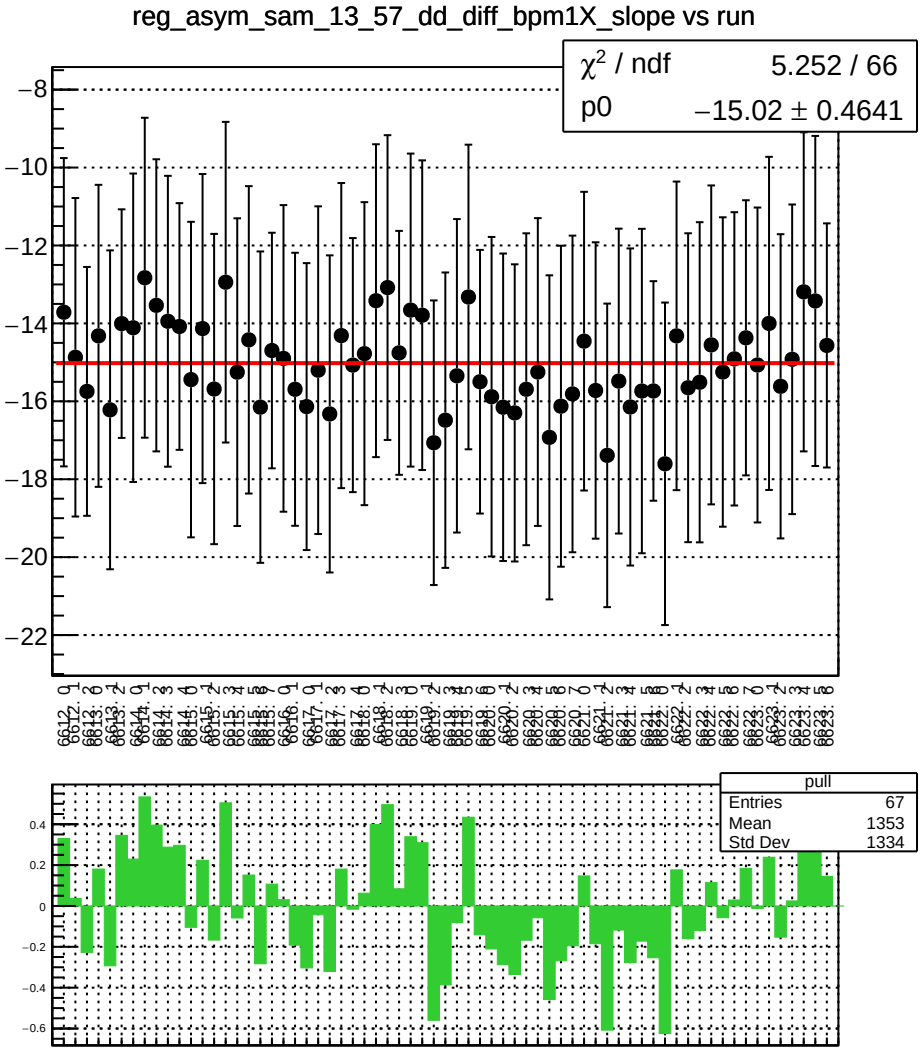

pull1D
Entries 67
Mean −0.005593
Std Dev 0.6218

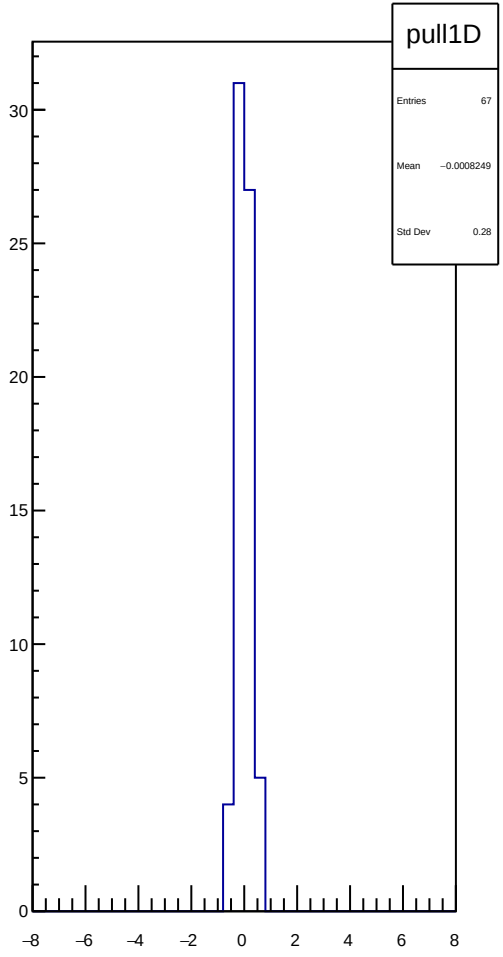

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.23 / 66
p0 94.61 ± 1.021
pull
Entries 67
Mean −21.56
Std Dev 14.82

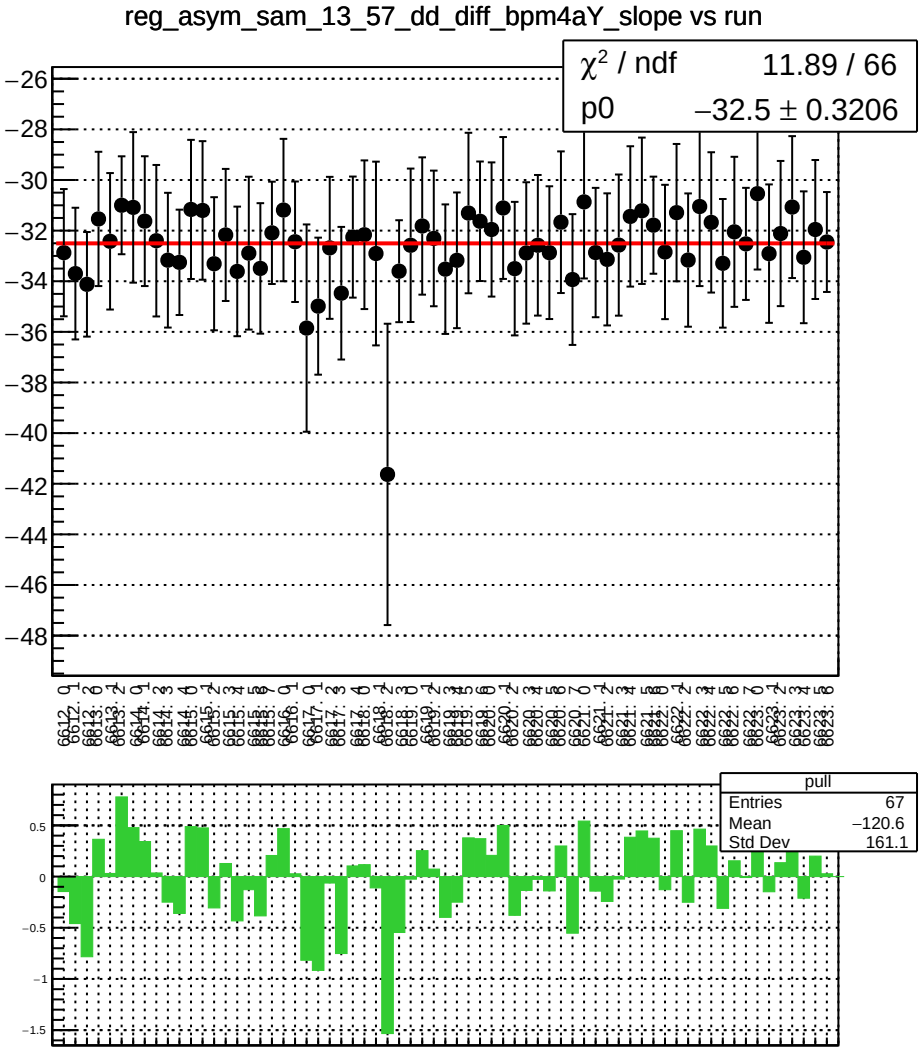

pull1D
Entries 67
Mean 0.007735
Std Dev 0.6717

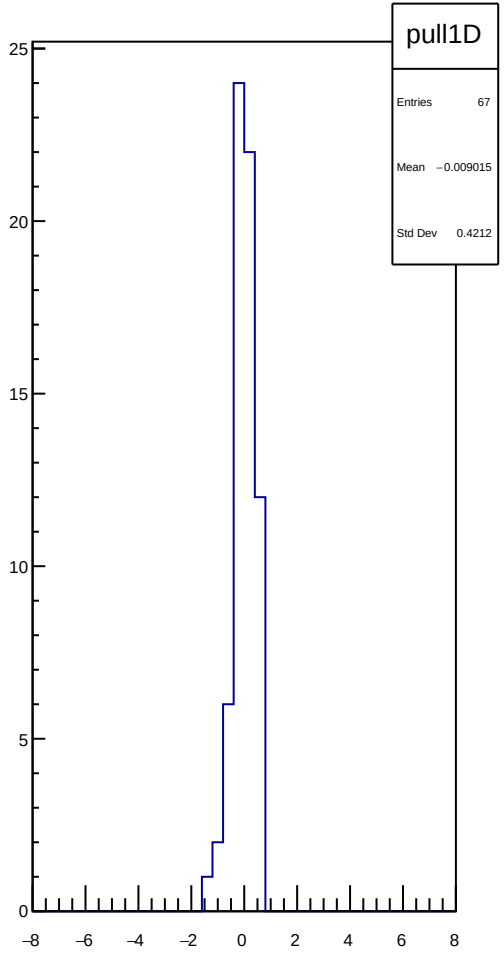

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 3.586 / 66
p0 −0.1595 ± 0.05279
pull
Entries 67
Mean −325.1
Std Dev 367.2

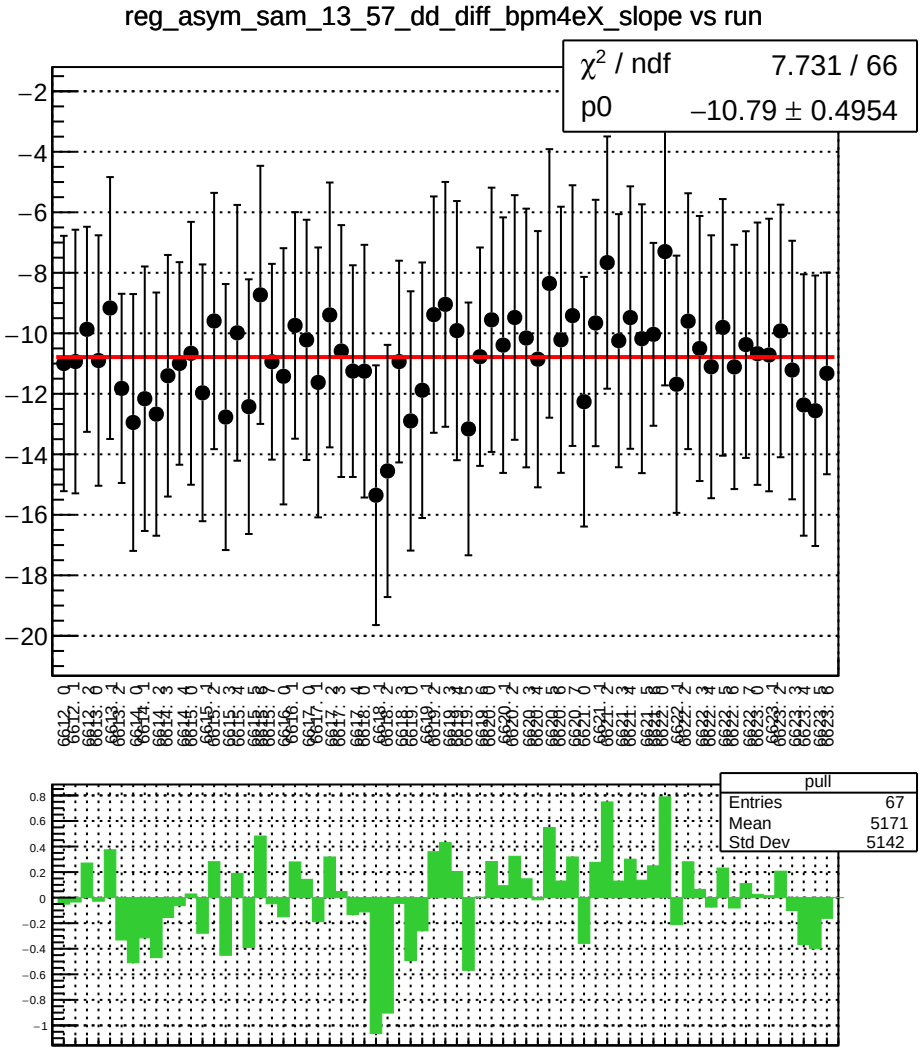

pull1D
Entries 67
Mean −0.005147
Std Dev 0.2313

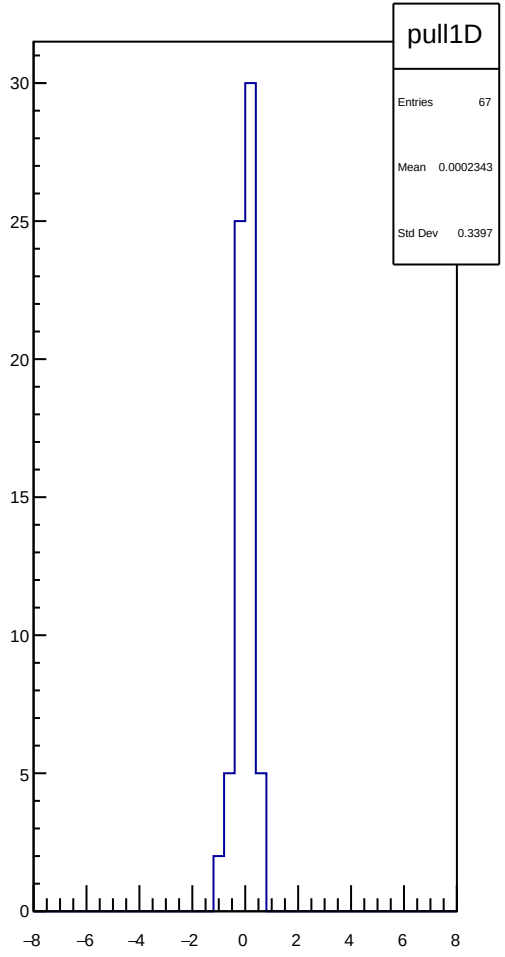

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 5.252 / 66
p0 −15.02 ± 0.4641
pull
Entries 67
Mean 1353
Std Dev 1334

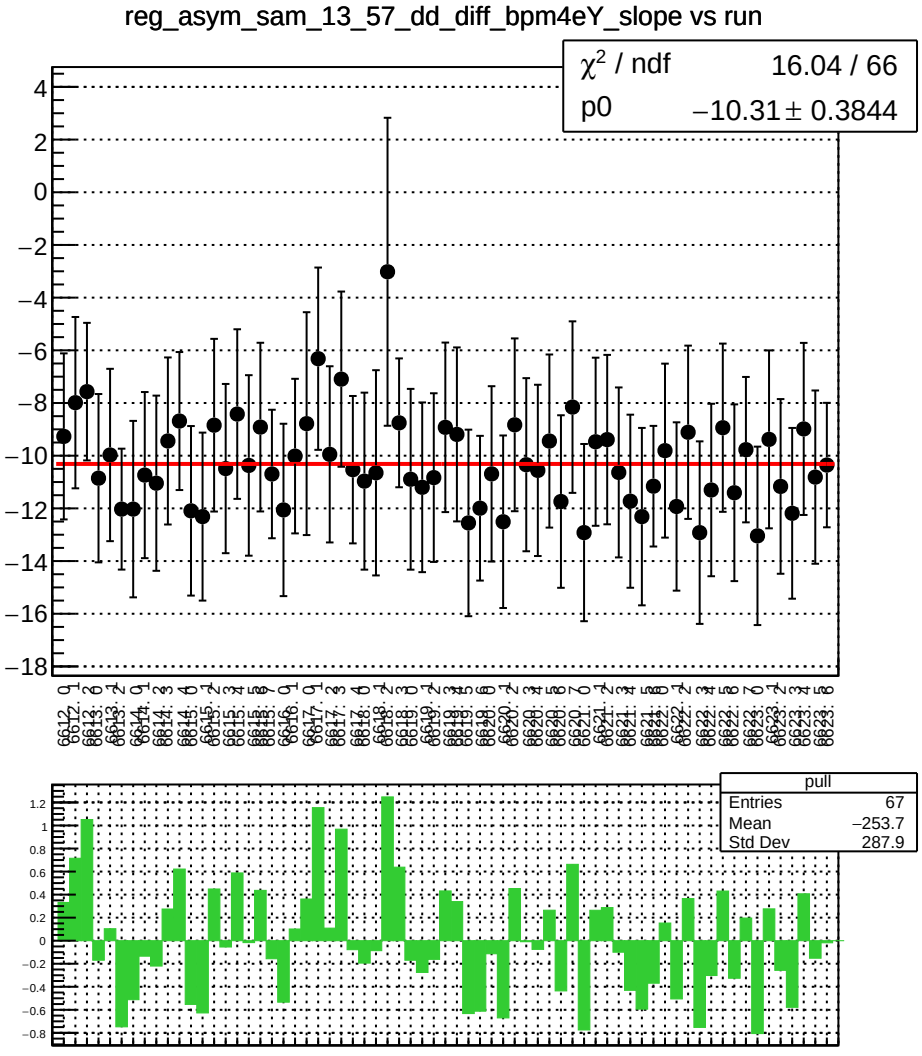

pull1D
Entries 67
Mean −0.0008249
Std Dev 0.28

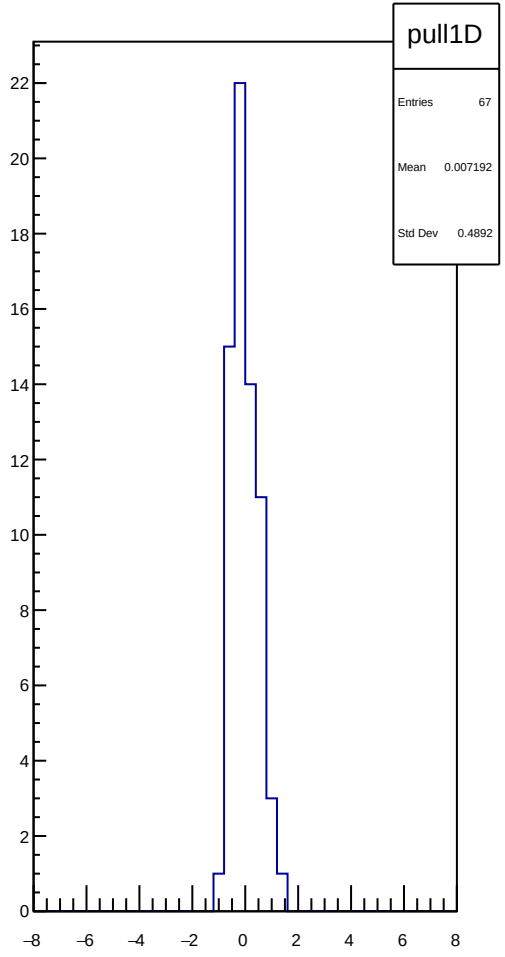

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.89 / 66
p0 −32.5 ± 0.3206
pull
Entries 67
Mean −120.6
Std Dev 161.1

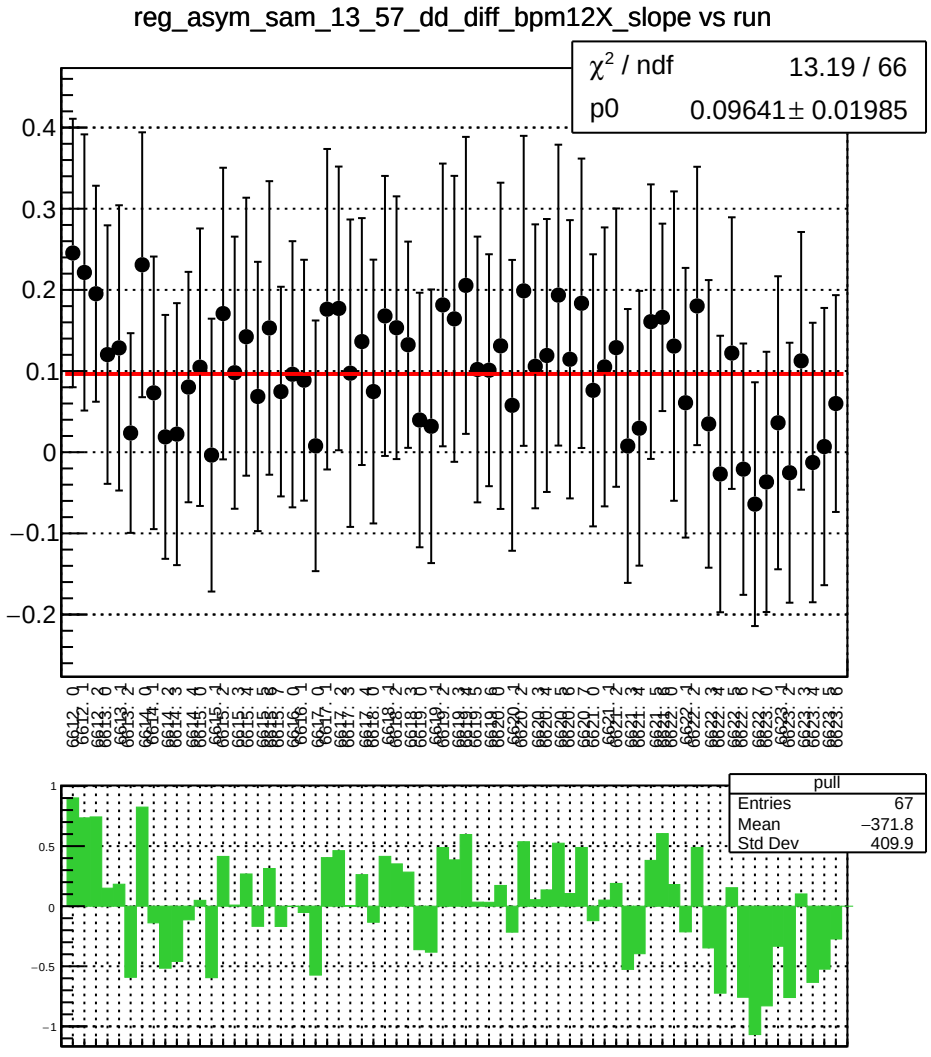

pull1D
Entries 67
Mean −0.009015
Std Dev 0.4212

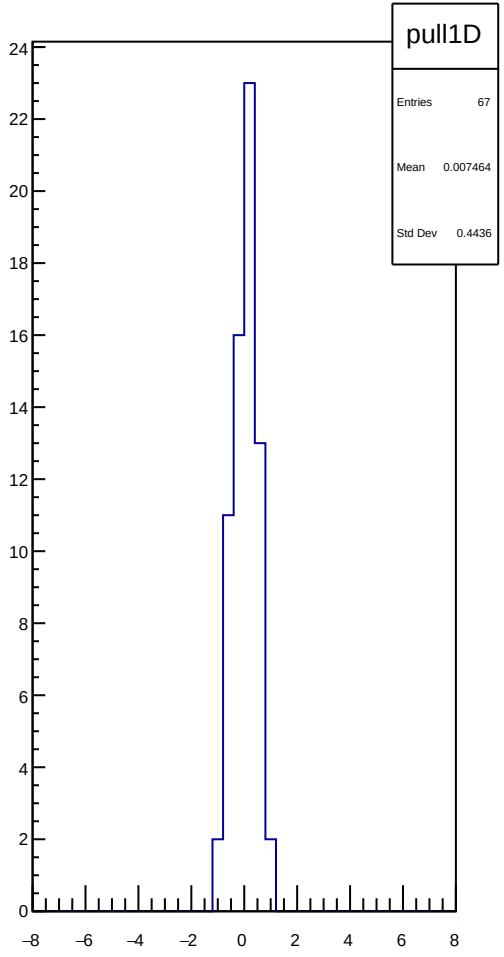

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 7.731 / 66
p0 −10.79 ± 0.4954
pull
Entries 67
Mean 5171
Std Dev 5142

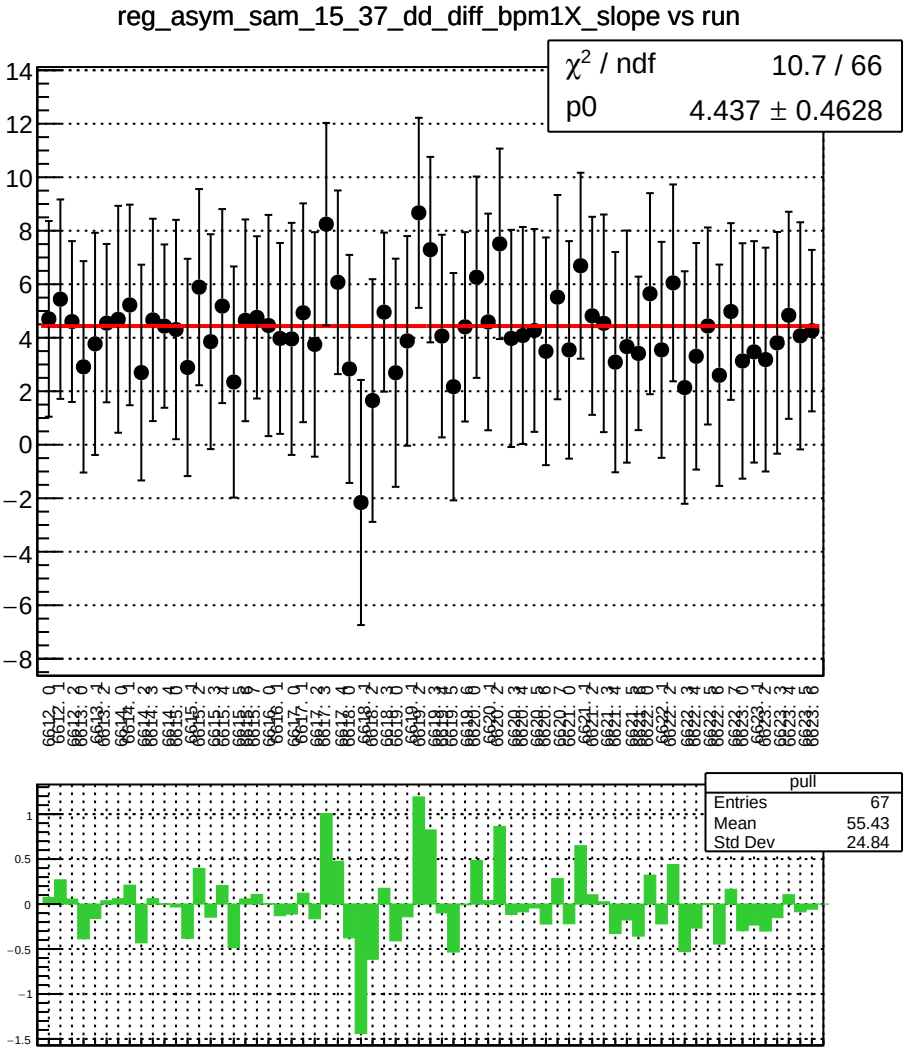

pull1D
Entries 67
Mean 0.0002343
Std Dev 0.3397

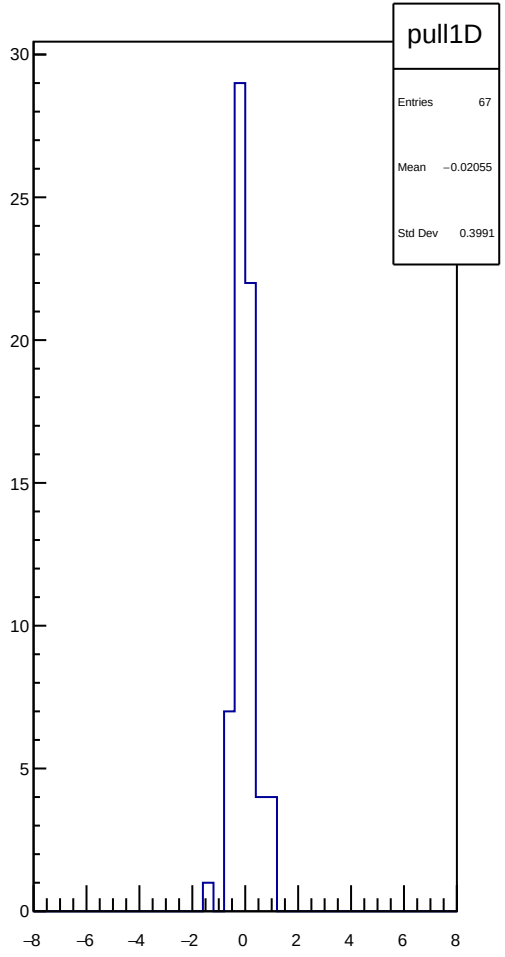

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.04 / 66
p0 −10.31 ± 0.3844
pull
Entries 67
Mean −253.7
Std Dev 287.9

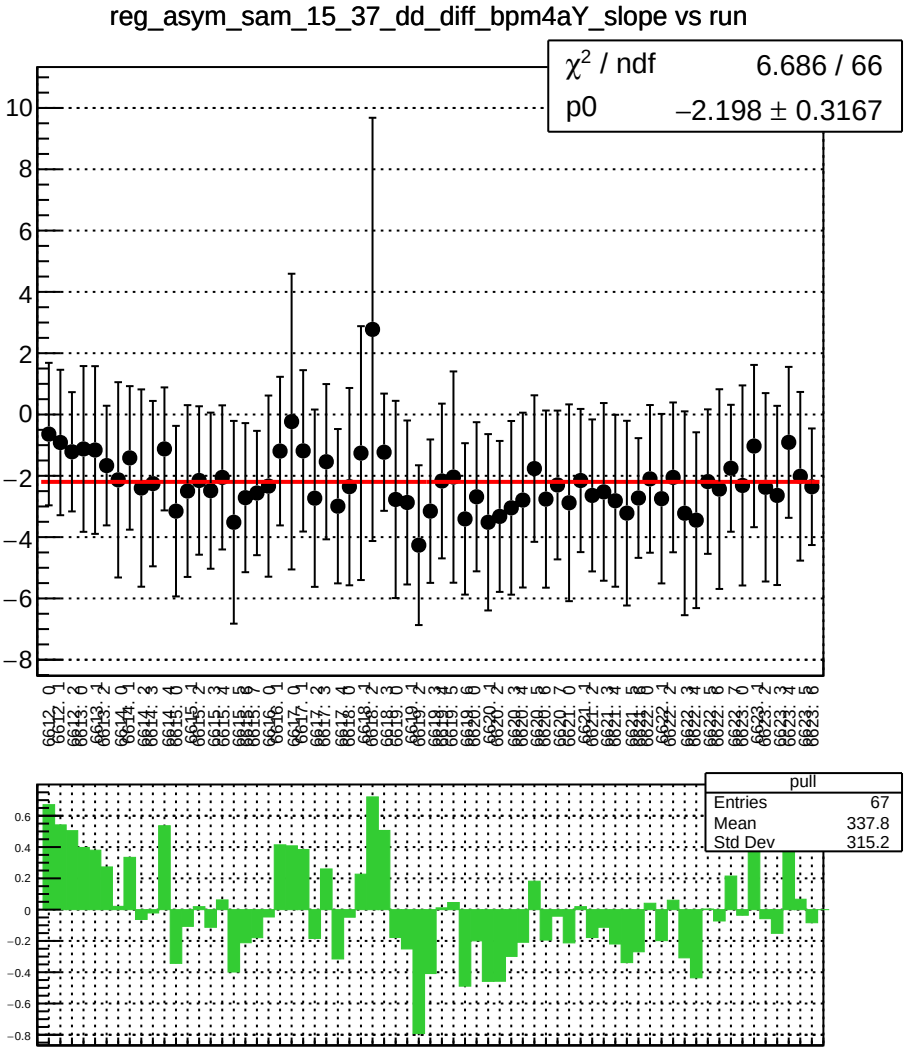

pull1D
Entries 67
Mean 0.007192
Std Dev 0.4892

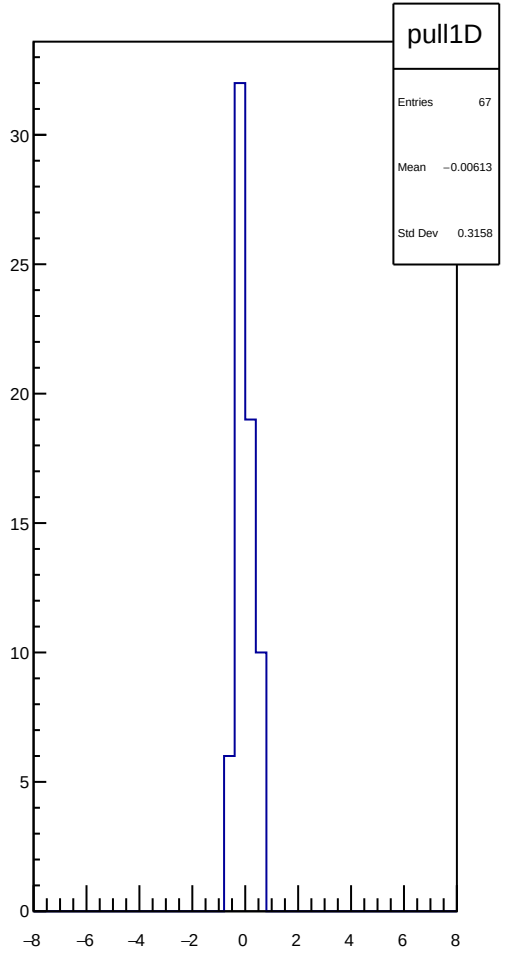

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.19 / 66
p0 0.09641 ± 0.01985
pull
Entries 67
Mean −371.8
Std Dev 409.9

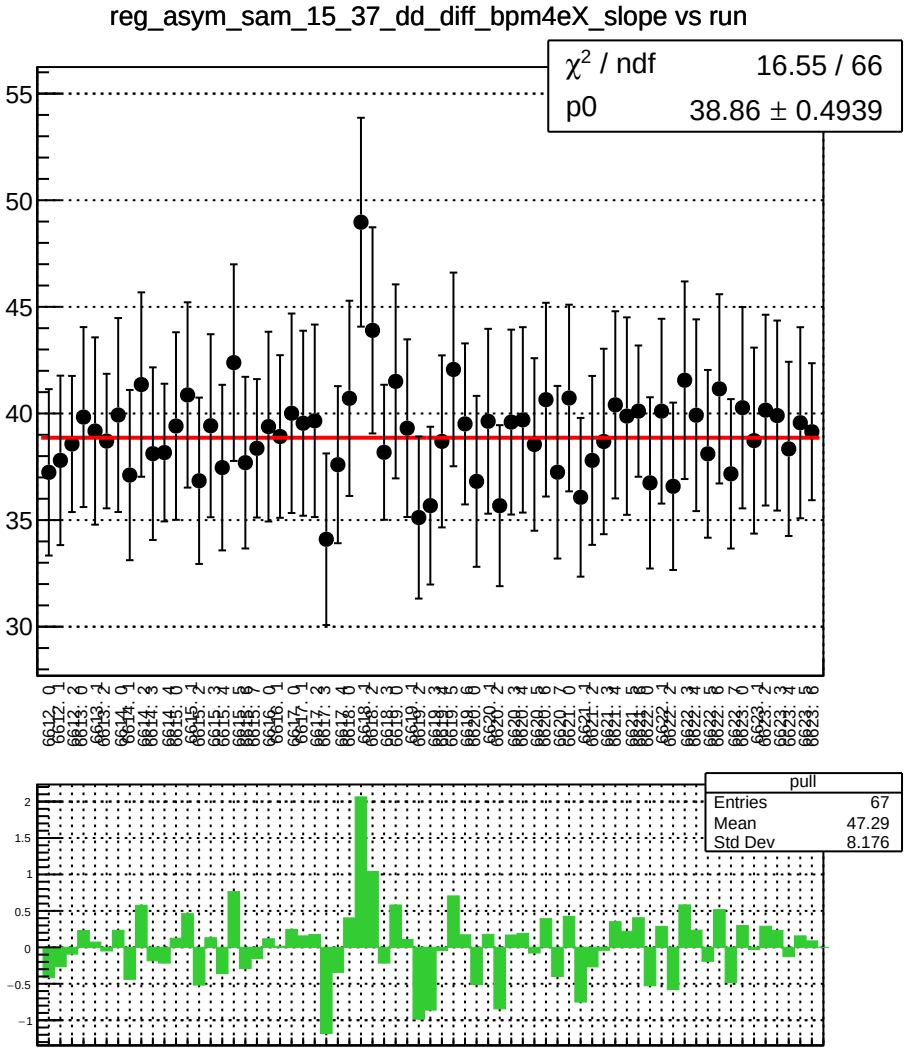

pull1D
Entries 67
Mean 0.007464
Std Dev 0.4436

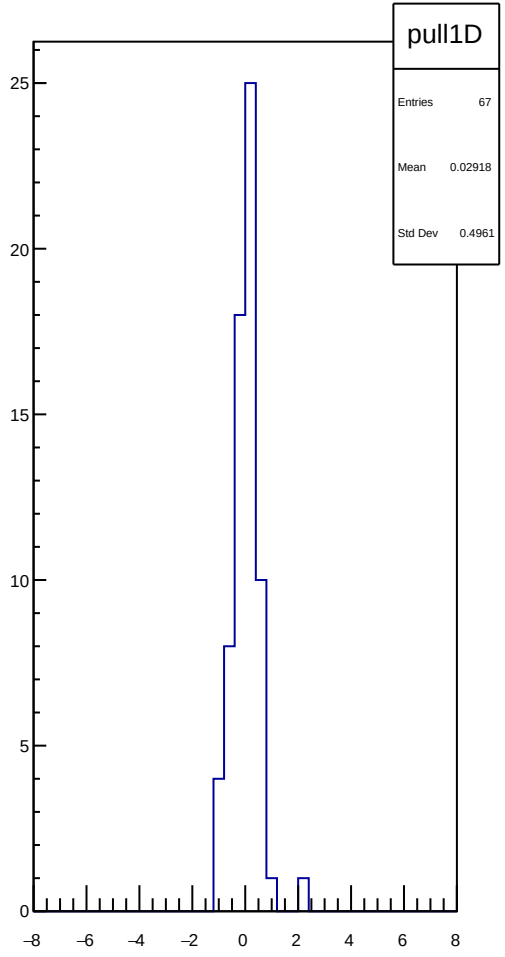

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.7 / 66
p0 4.437 ± 0.4628
pull
Entries 67
Mean 55.43
Std Dev 24.84

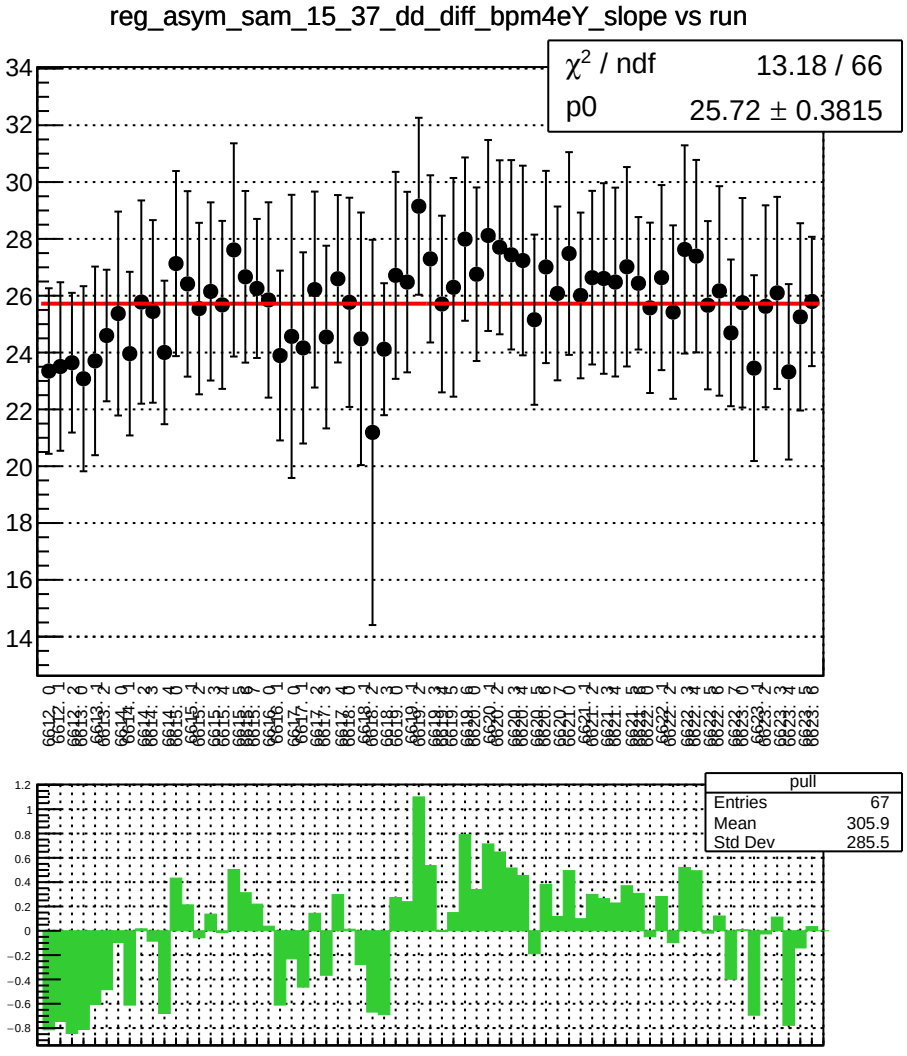

pull1D
Entries 67
Mean −0.02055
Std Dev 0.3991

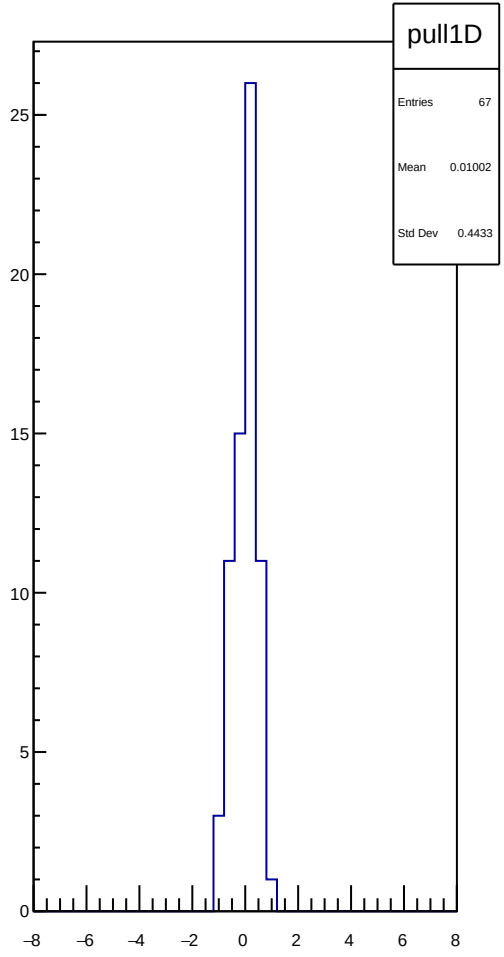

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.686 / 66
p0 −2.198 ± 0.3167
pull
Entries 67
Mean 337.8
Std Dev 315.2

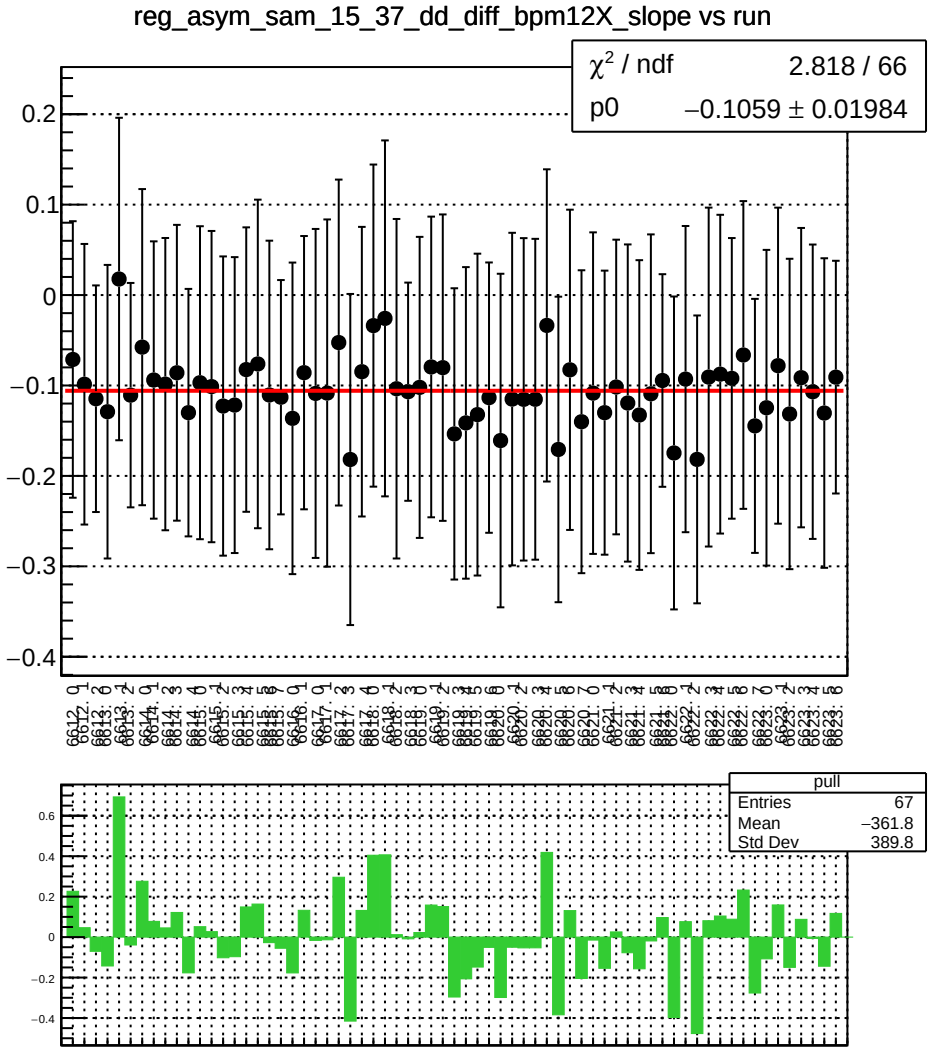

pull1D
Entries 67
Mean −0.00613
Std Dev 0.3158

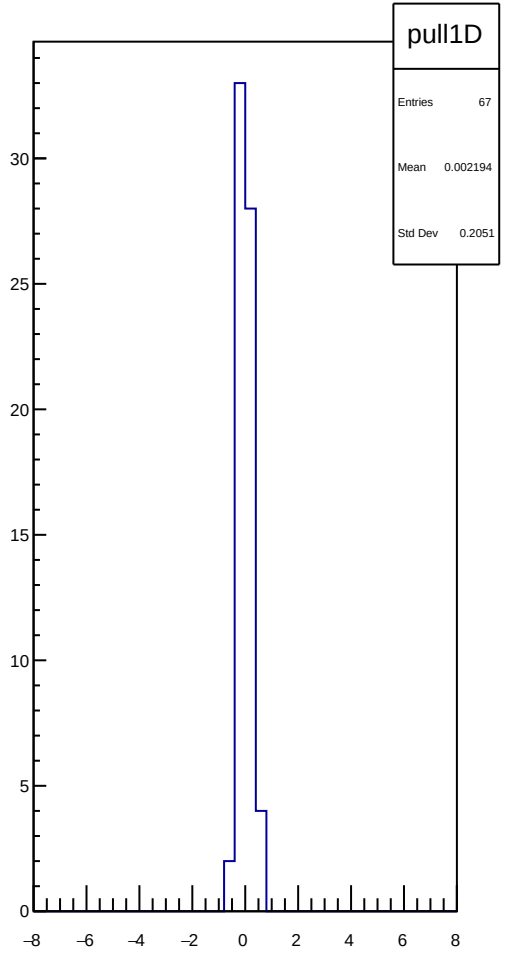

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.55 / 66
p0 38.86 ± 0.4939
pull
Entries 67
Mean 47.29
Std Dev 8.176

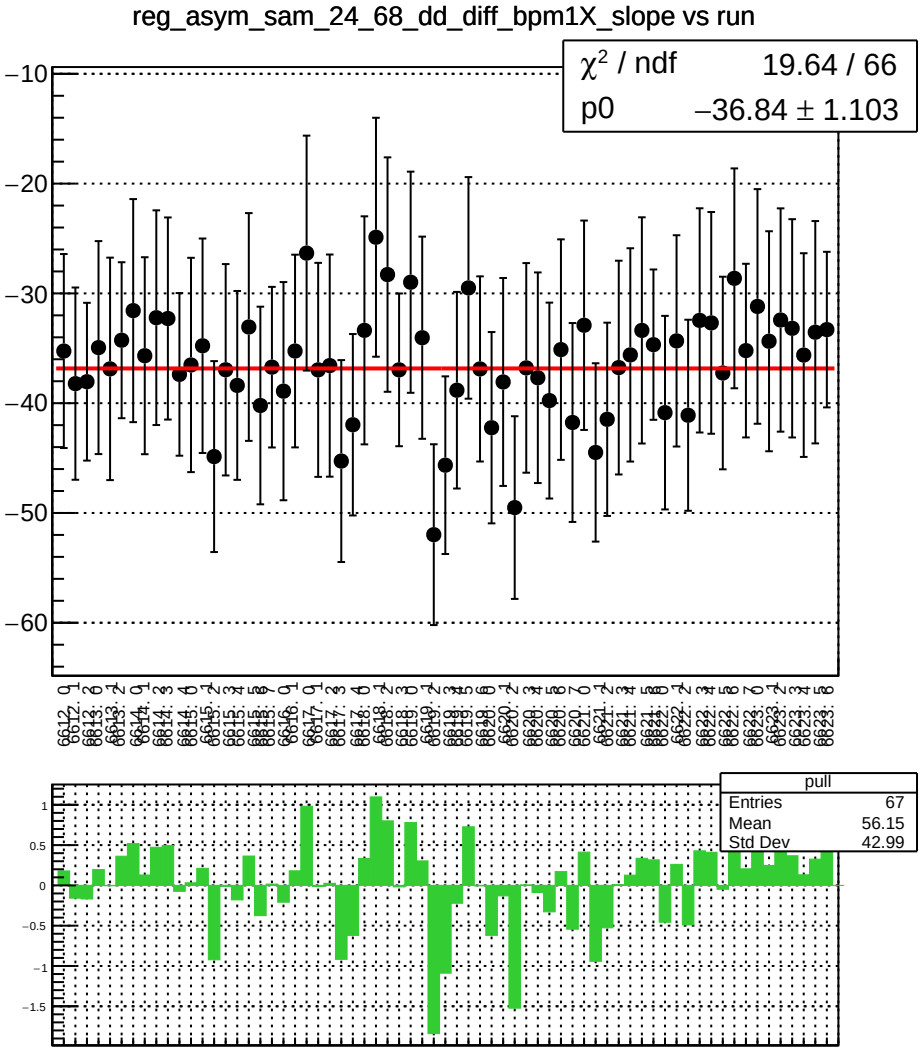

pull1D
Entries 67
Mean 0.02918
Std Dev 0.4961

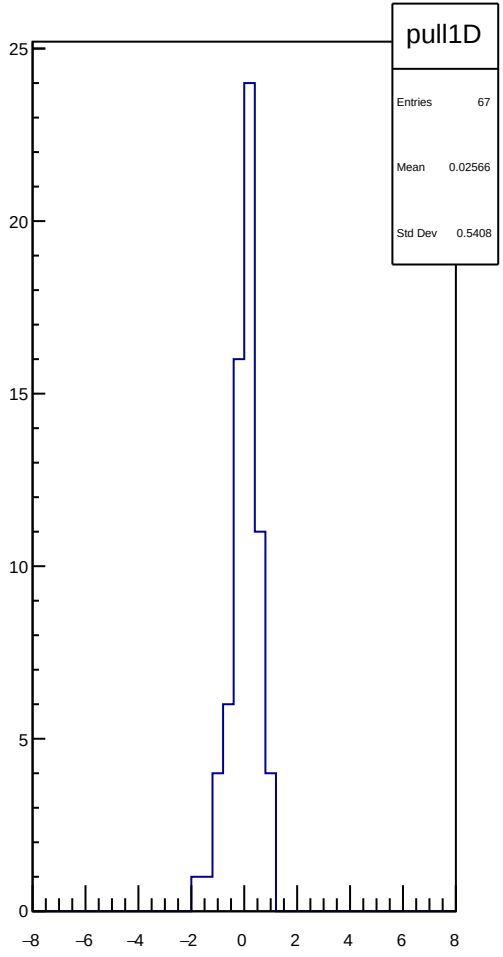

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.18 / 66
p0 25.72 ± 0.3815
pull
Entries 67
Mean 305.9
Std Dev 285.5

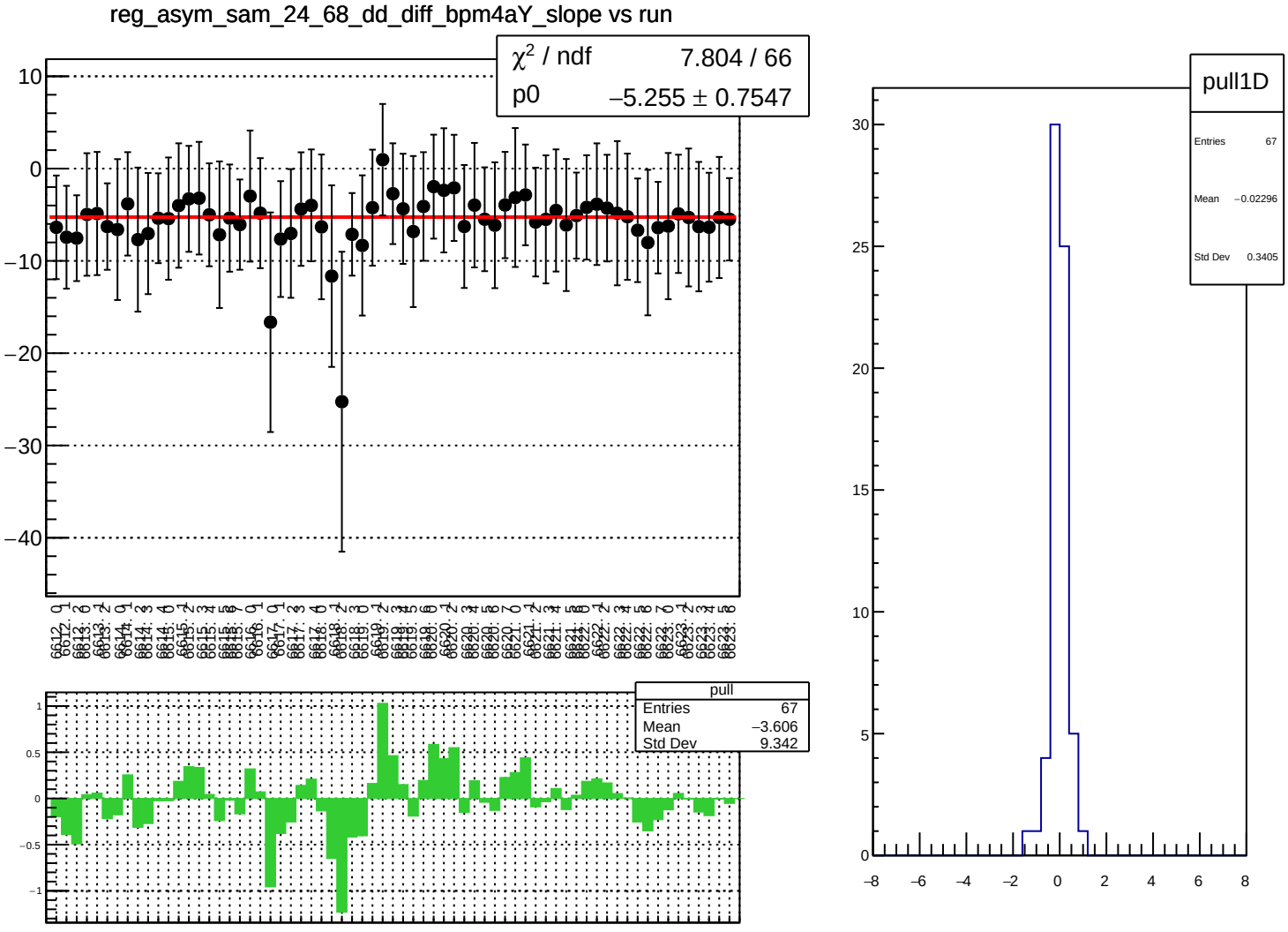

pull1D
Entries 67
Mean 0.01002
Std Dev 0.4433

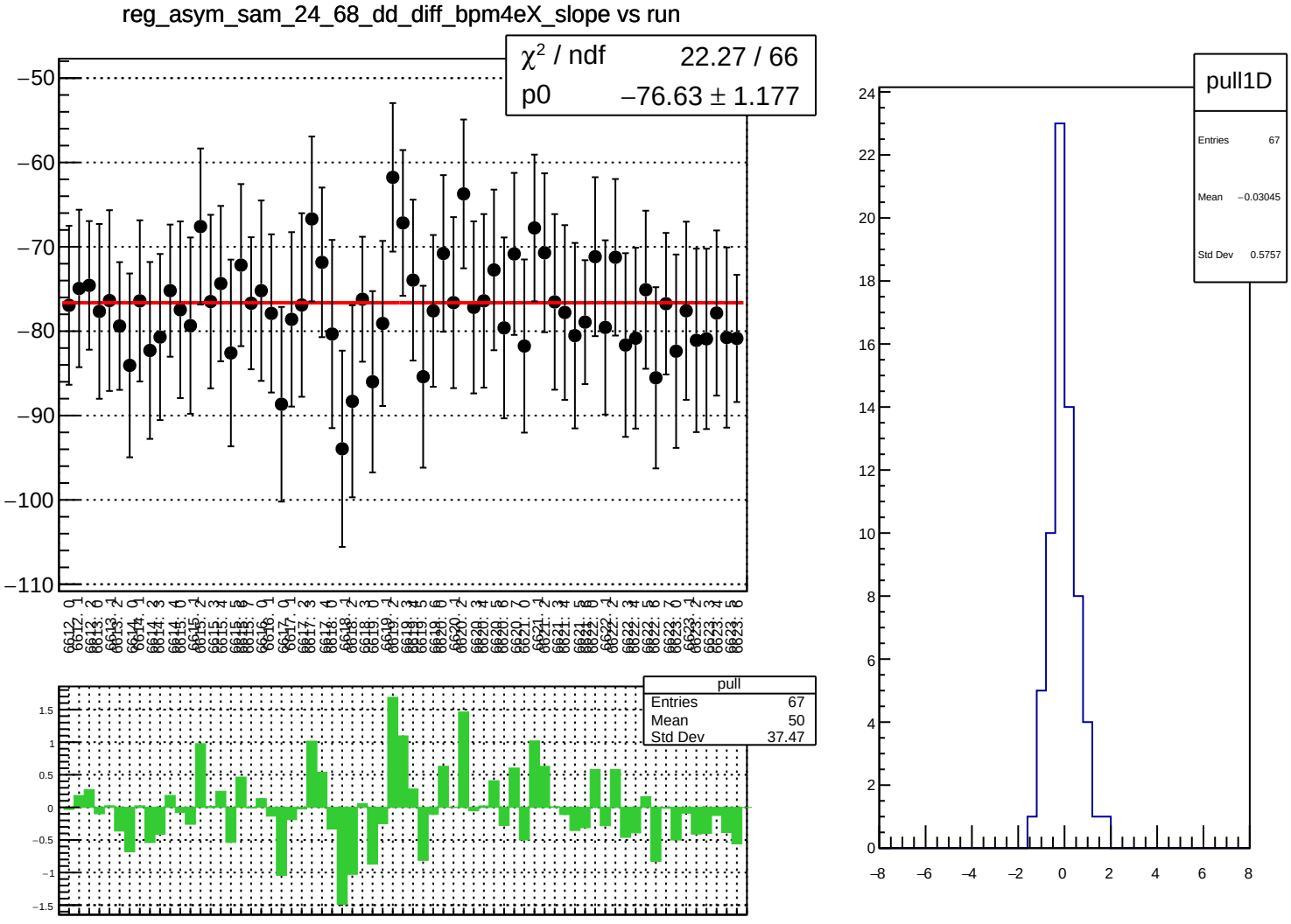

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.818 / 66
p0 −0.1059 ± 0.01984
pull
Entries 67
Mean −361.8
Std Dev 389.8

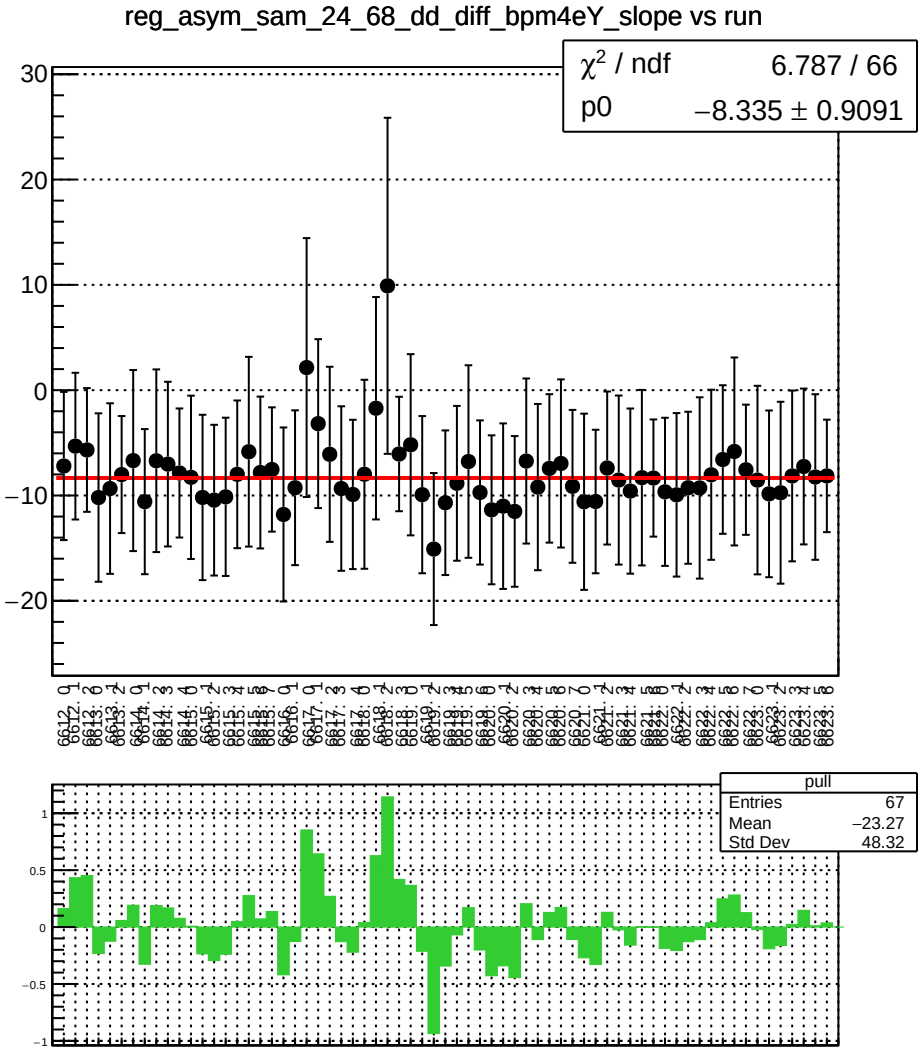

pull1D
Entries 67
Mean 0.002194
Std Dev 0.2051

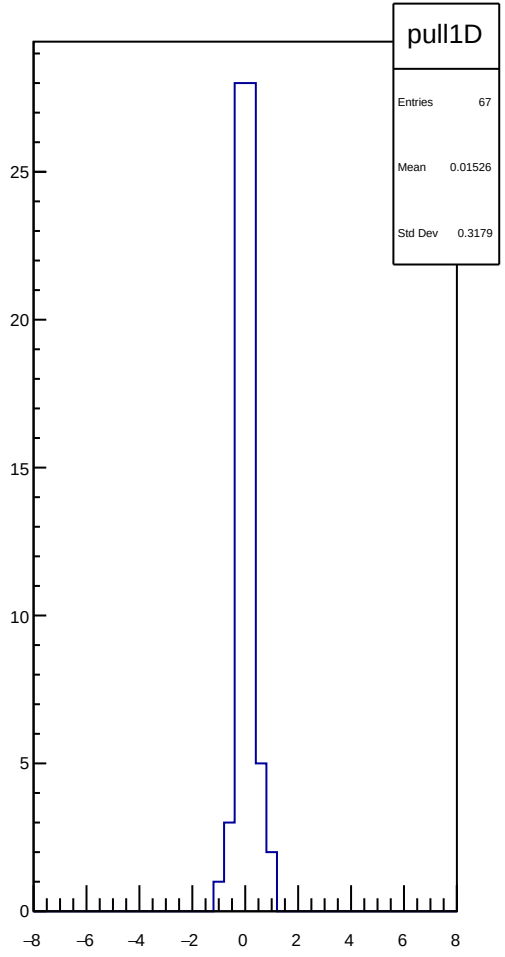

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 19.64 / 66
p0 −36.84 ± 1.103
pull
Entries 67
Mean 56.15
Std Dev 42.99

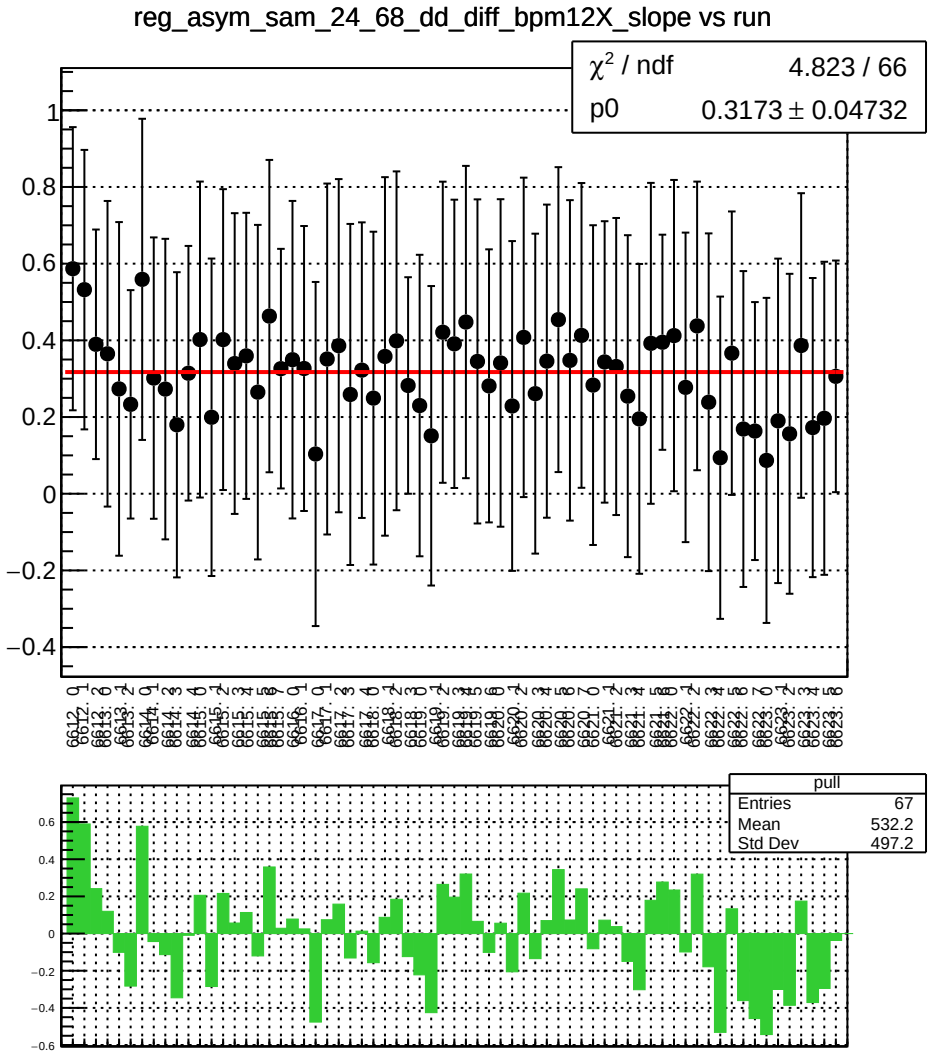

pull1D
Entries 67
Mean 0.02566
Std Dev 0.5408

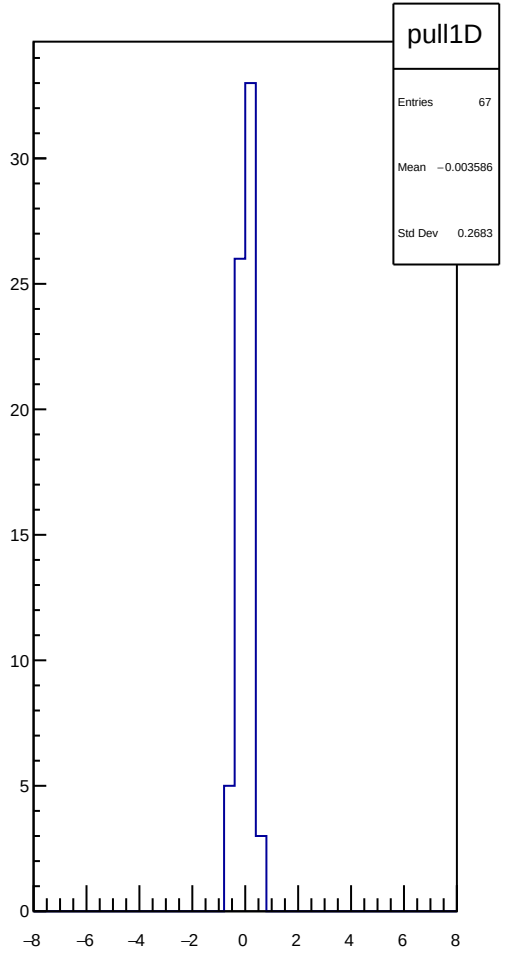

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.804 / 66
p0 −5.255 ± 0.7547
pull
Entries 67
Mean −3.606
Std Dev 9.342
pull1D
Entries 67
Mean −0.02296
Std Dev 0.3405

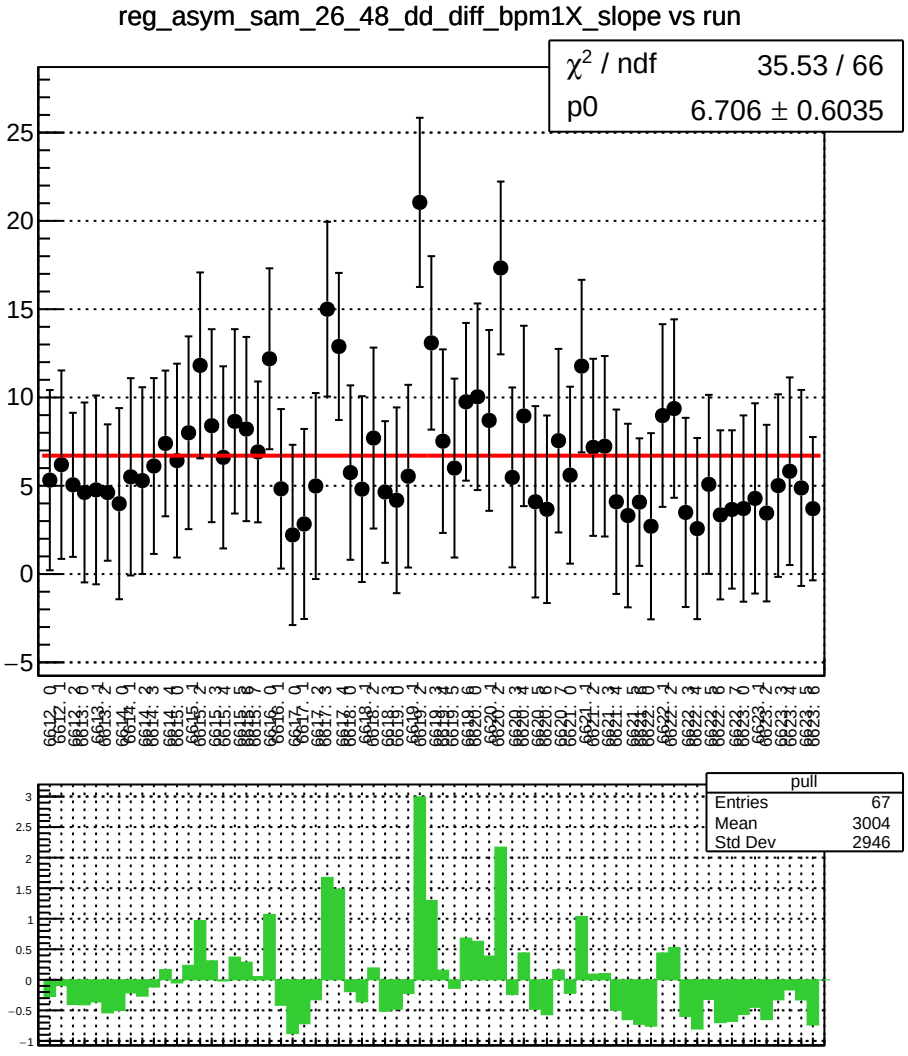

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.27 / 66
p0 −76.63 ± 1.177
pull
Entries 67
Mean 50
Std Dev 37.47
pull1D
Entries 67
Mean −0.03045
Std Dev 0.5757

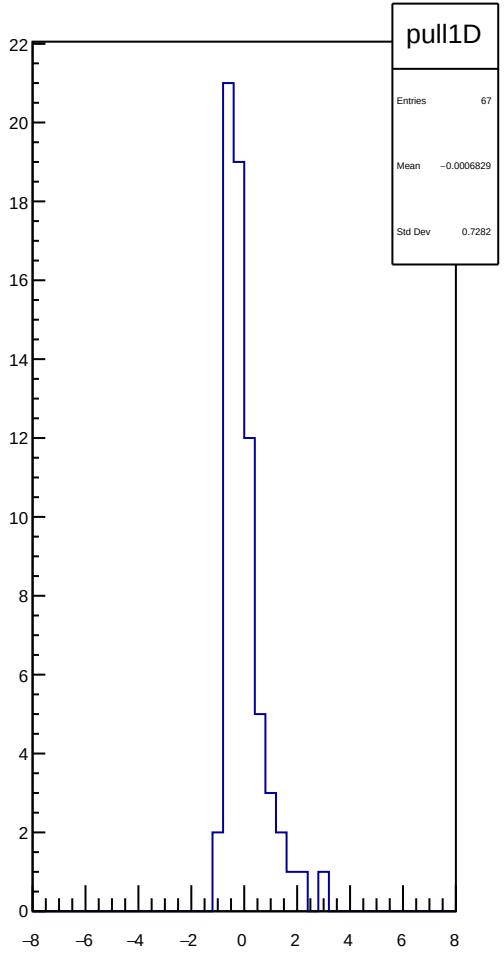

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.787 / 66
p0 −8.335 ± 0.9091
pull
Entries 67
Mean −23.27
Std Dev 48.32

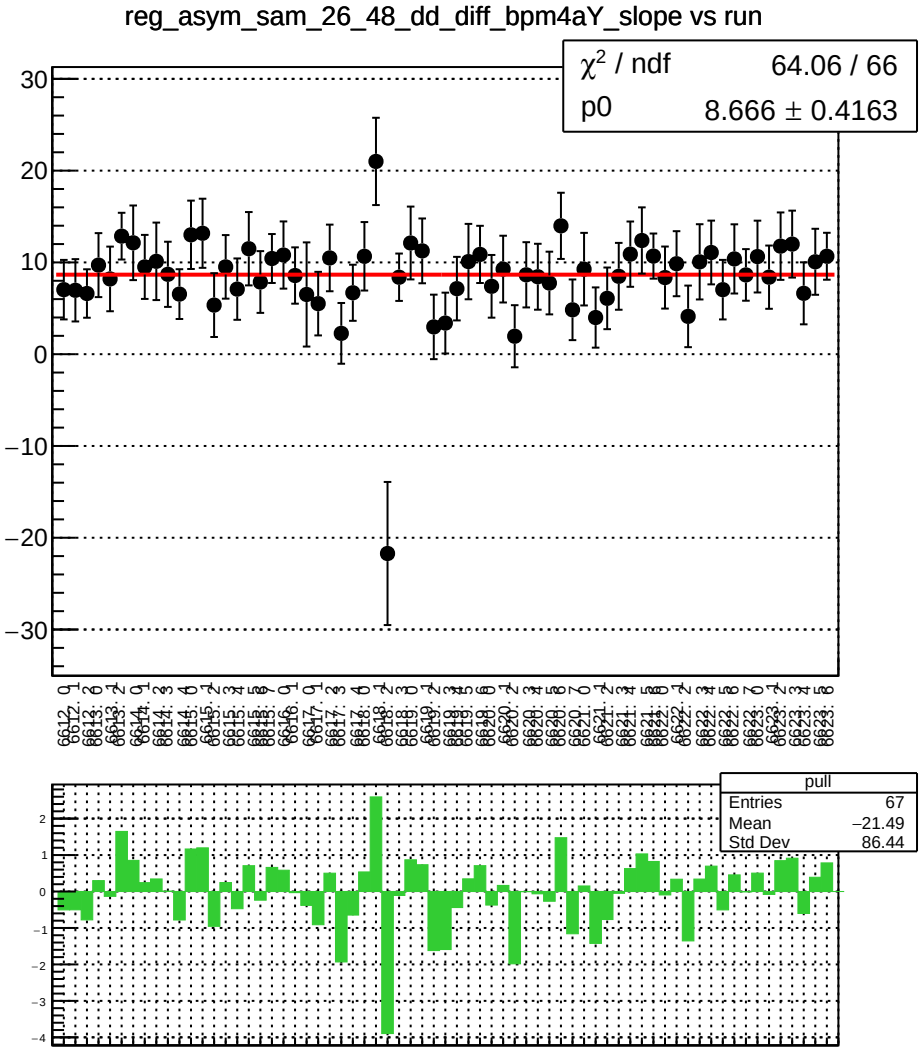

pull1D
Entries 67
Mean 0.01526
Std Dev 0.3179

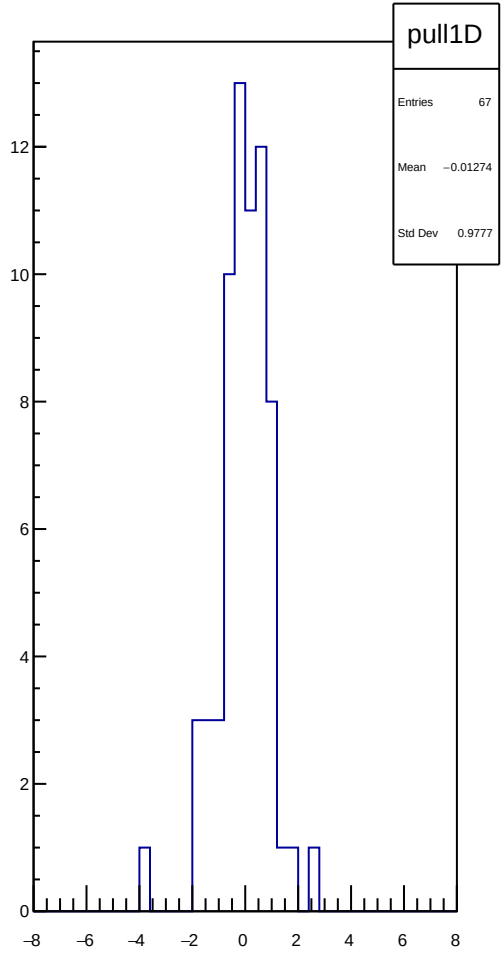

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.823 / 66
p0 0.3173 ± 0.04732
pull
Entries 67
Mean 532.2
Std Dev 497.2

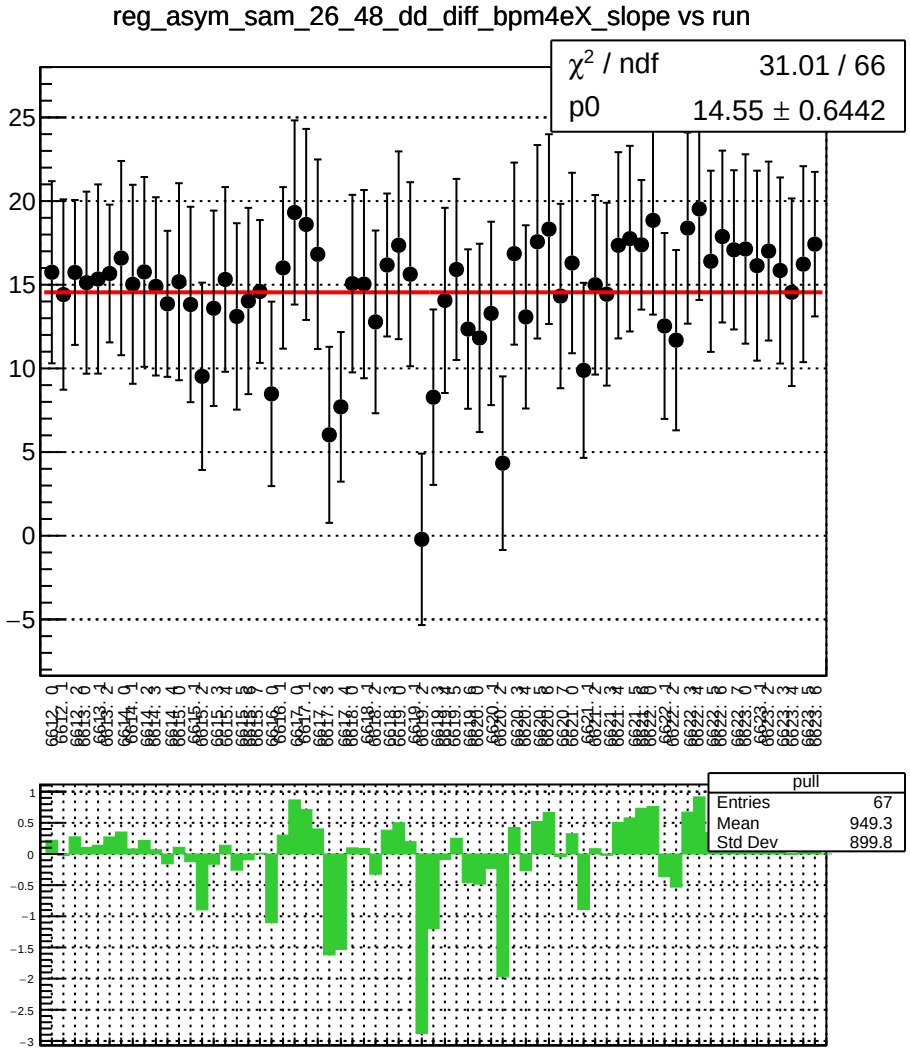

pull1D
Entries 67
Mean −0.003586
Std Dev 0.2683

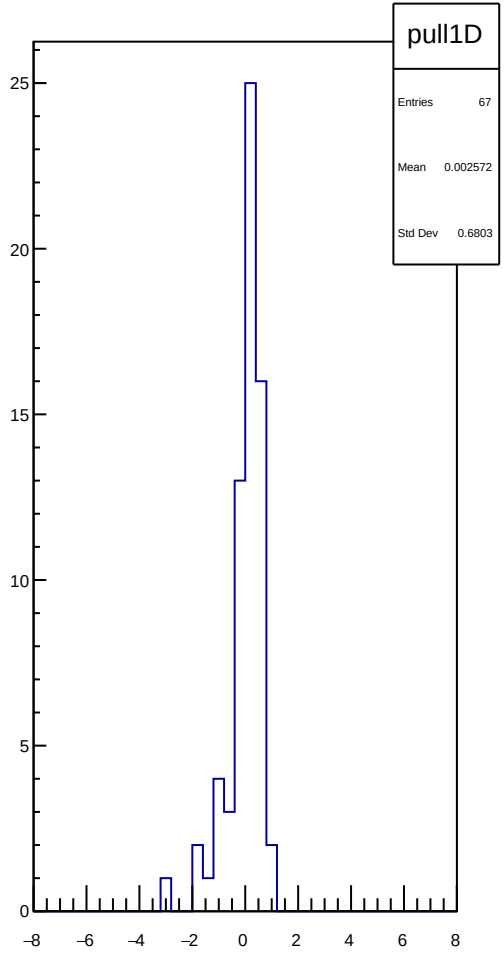

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 35.53 / 66
p0 6.706 ± 0.6035
pull
Entries 67
Mean 3004
Std Dev 2946

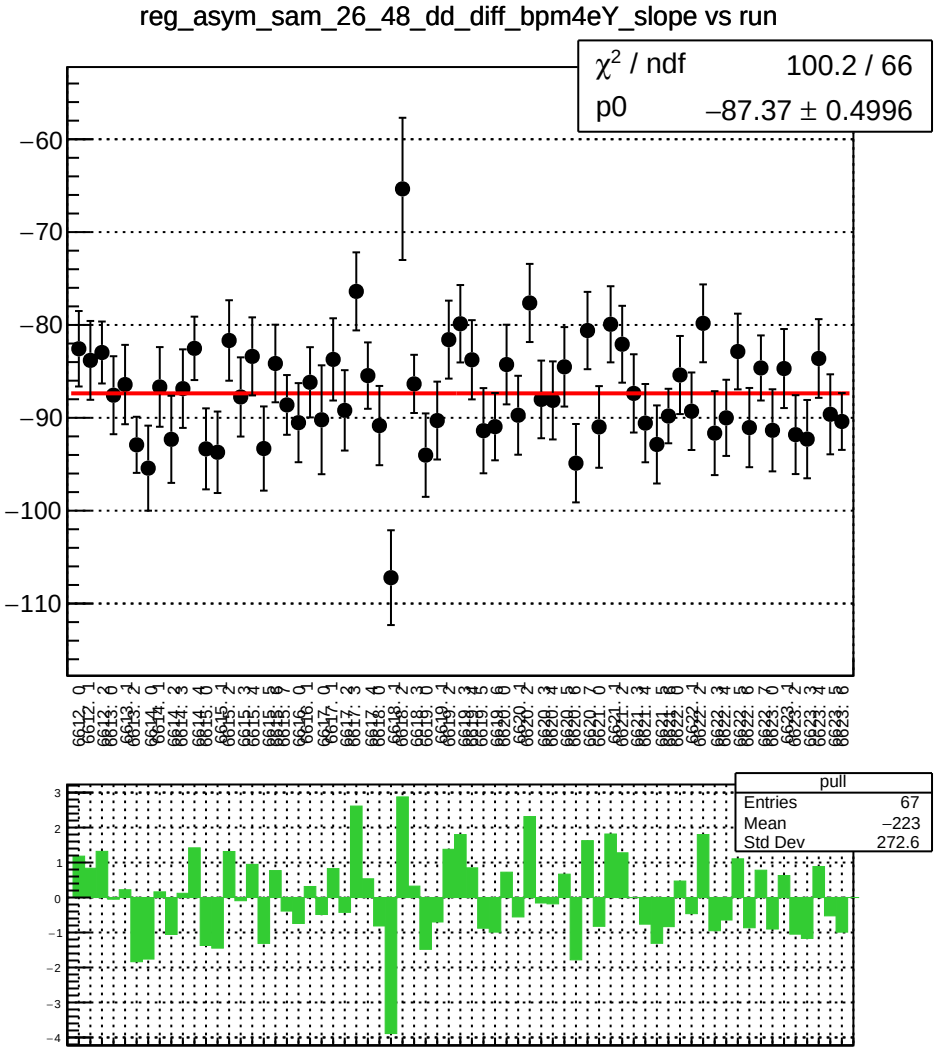

pull1D
Entries 67
Mean −0.0006829
Std Dev 0.7282

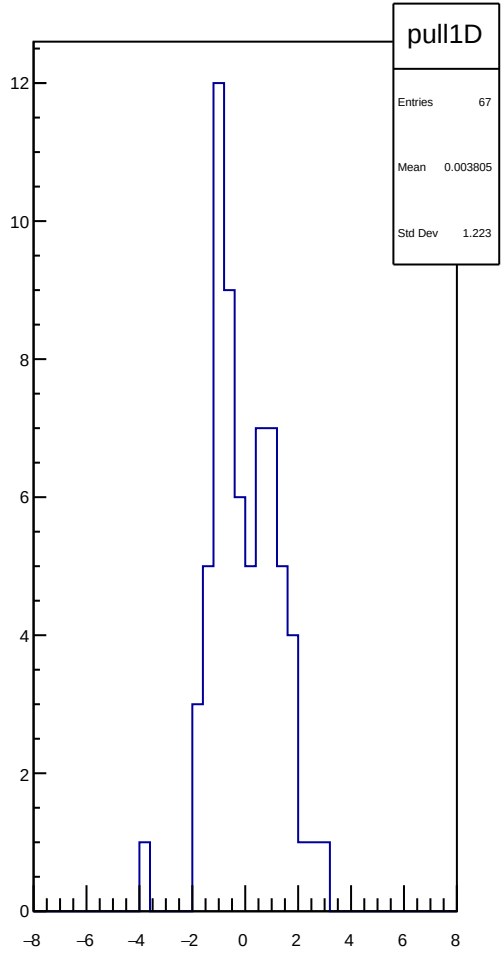

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.06 / 66
p0 8.666 ± 0.4163
pull
Entries 67
Mean −21.49
Std Dev 86.44

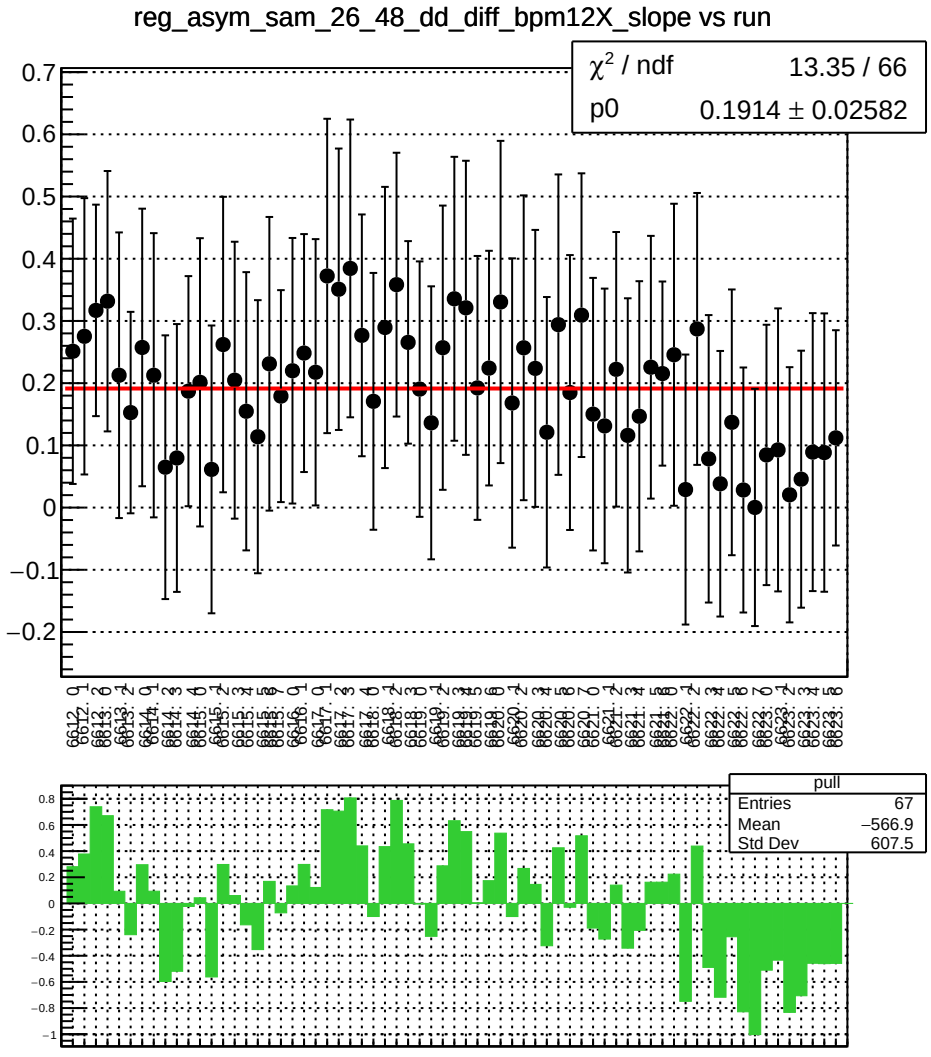

pull1D
Entries 67
Mean −0.01274
Std Dev 0.9777

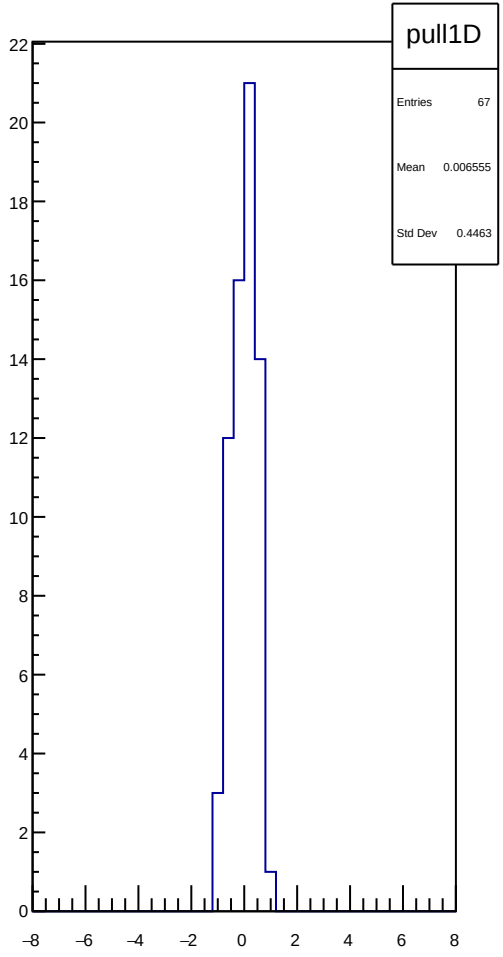

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.01 / 66
p0 14.55 ± 0.6442
pull
Entries 67
Mean 949.3
Std Dev 899.8

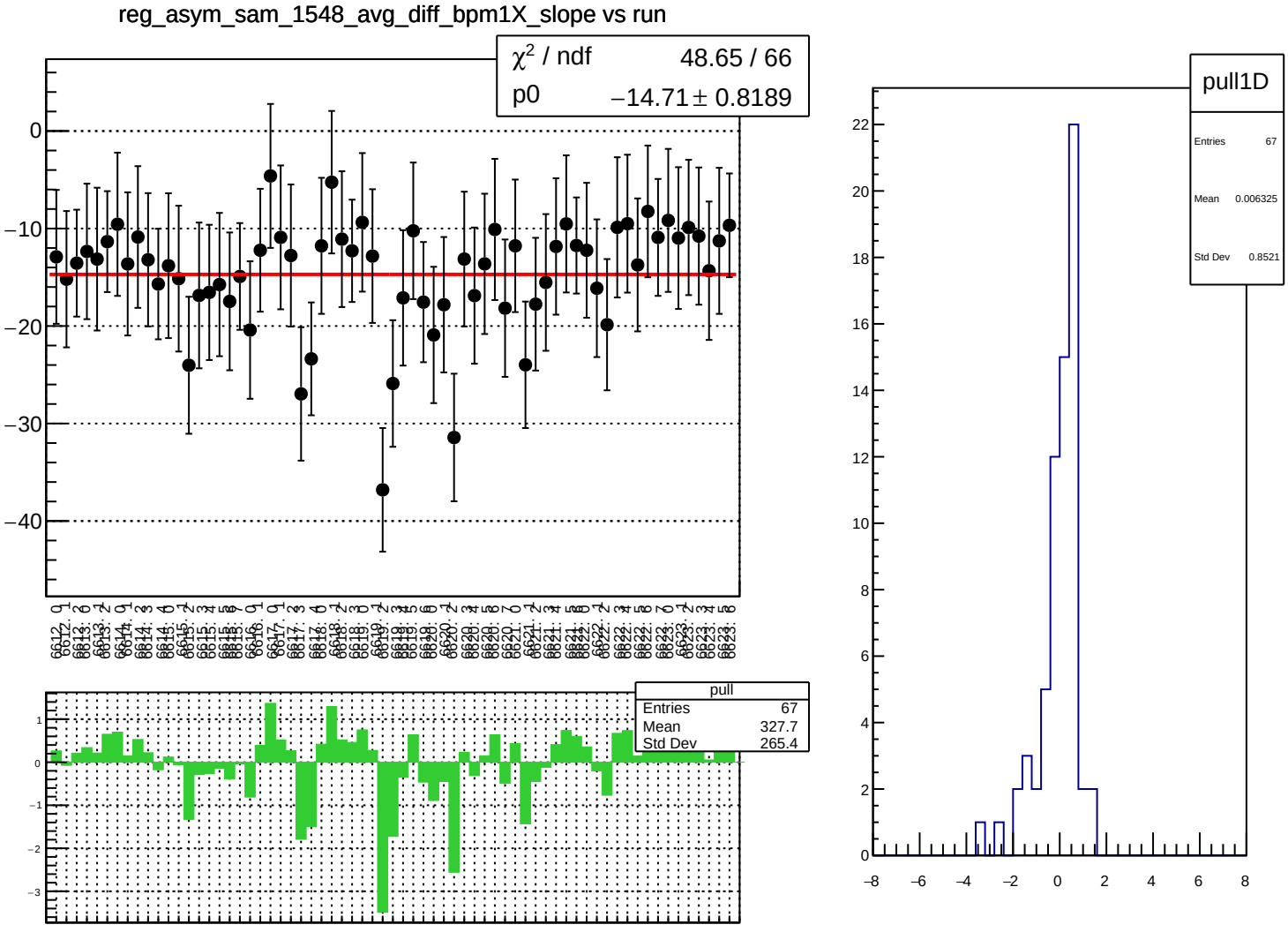

pull1D
Entries 67
Mean 0.002572
Std Dev 0.6803

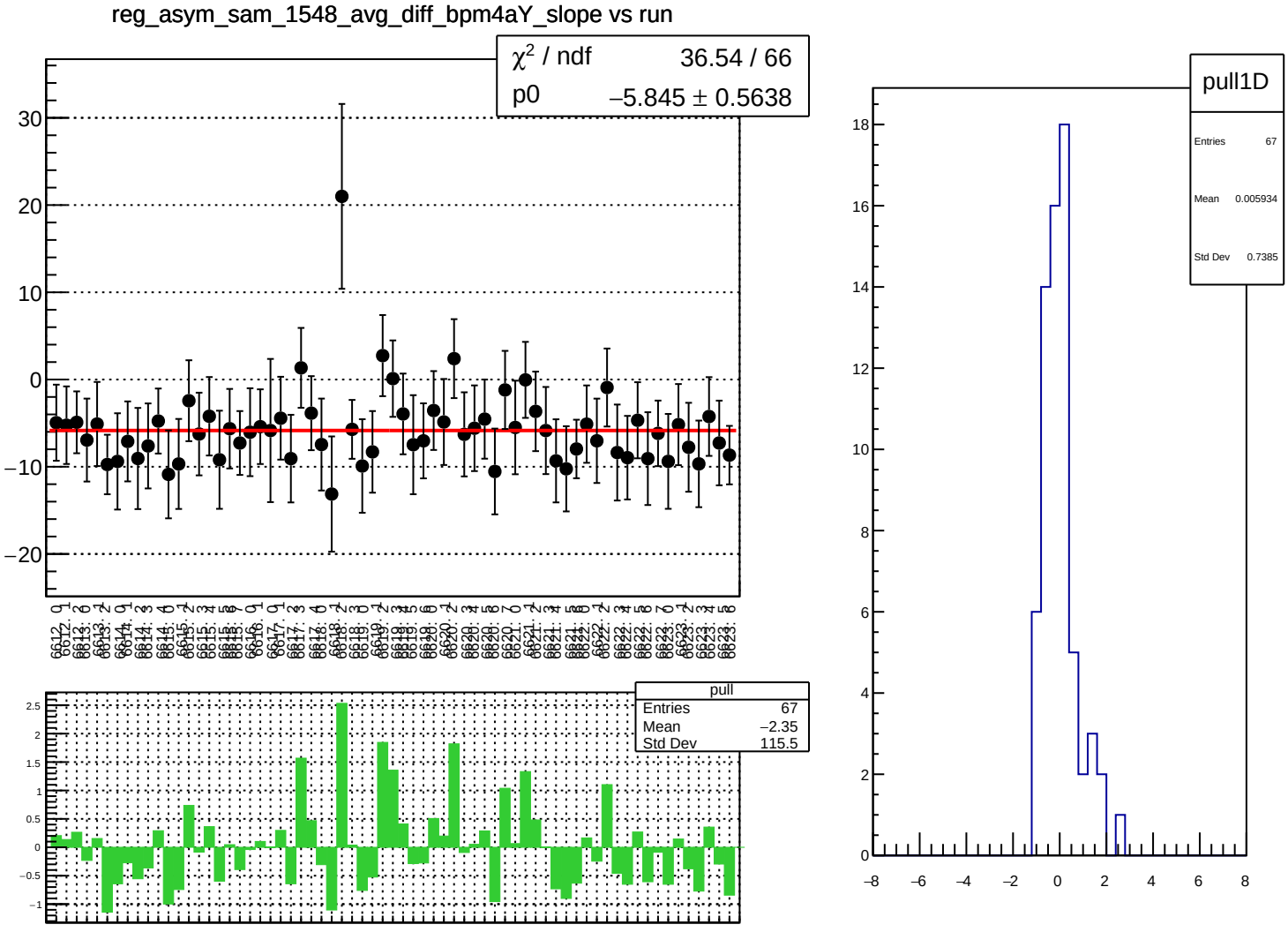

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.2 / 66
p0 −87.37 ± 0.4996
pull
Entries 67
Mean −223
Std Dev 272.6

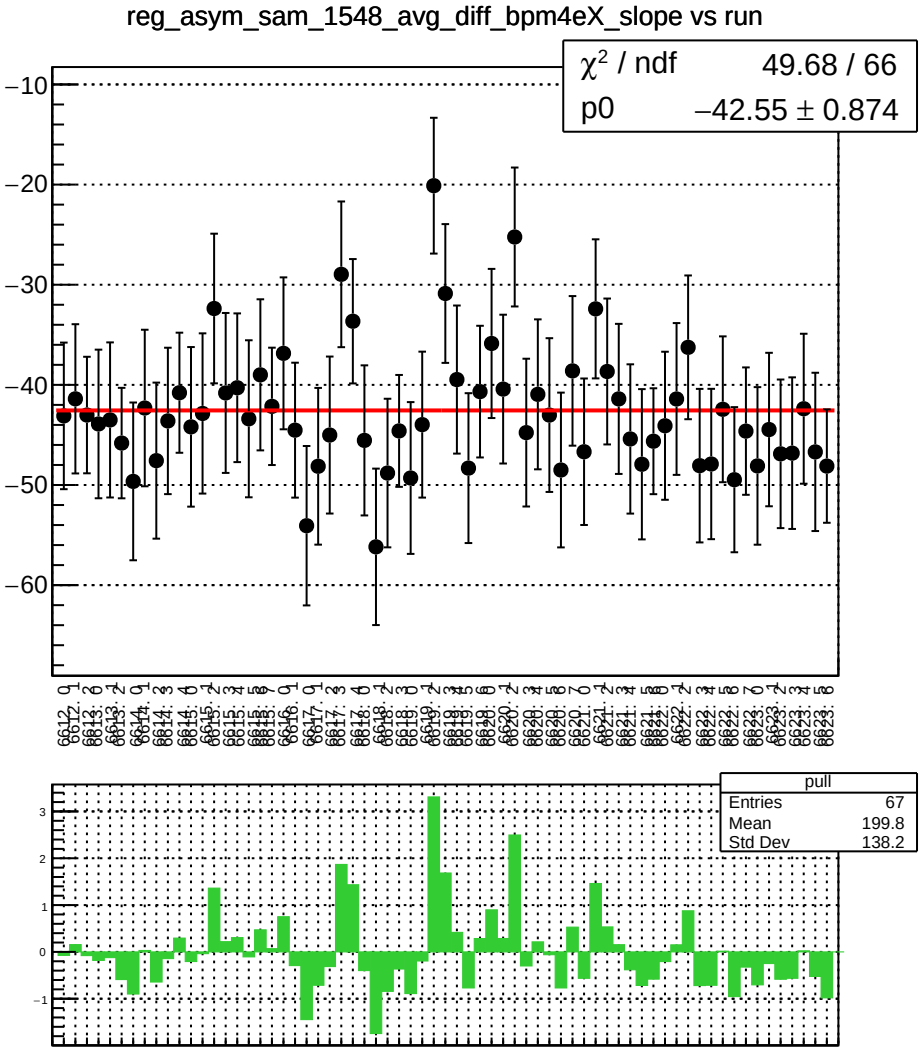

pull1D
Entries 67
Mean 0.003805
Std Dev 1.223

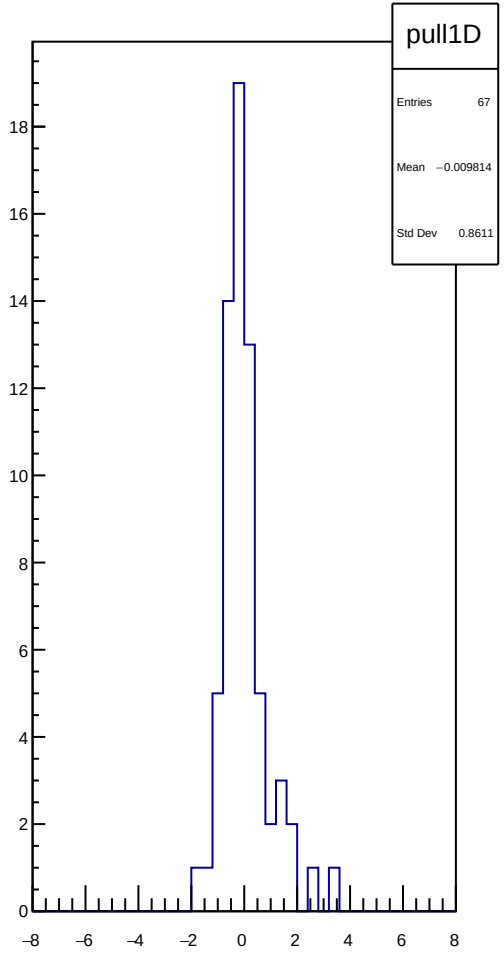

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 13.35 / 66
p0 0.1914 ± 0.02582
pull
Entries 67
Mean −566.9
Std Dev 607.5

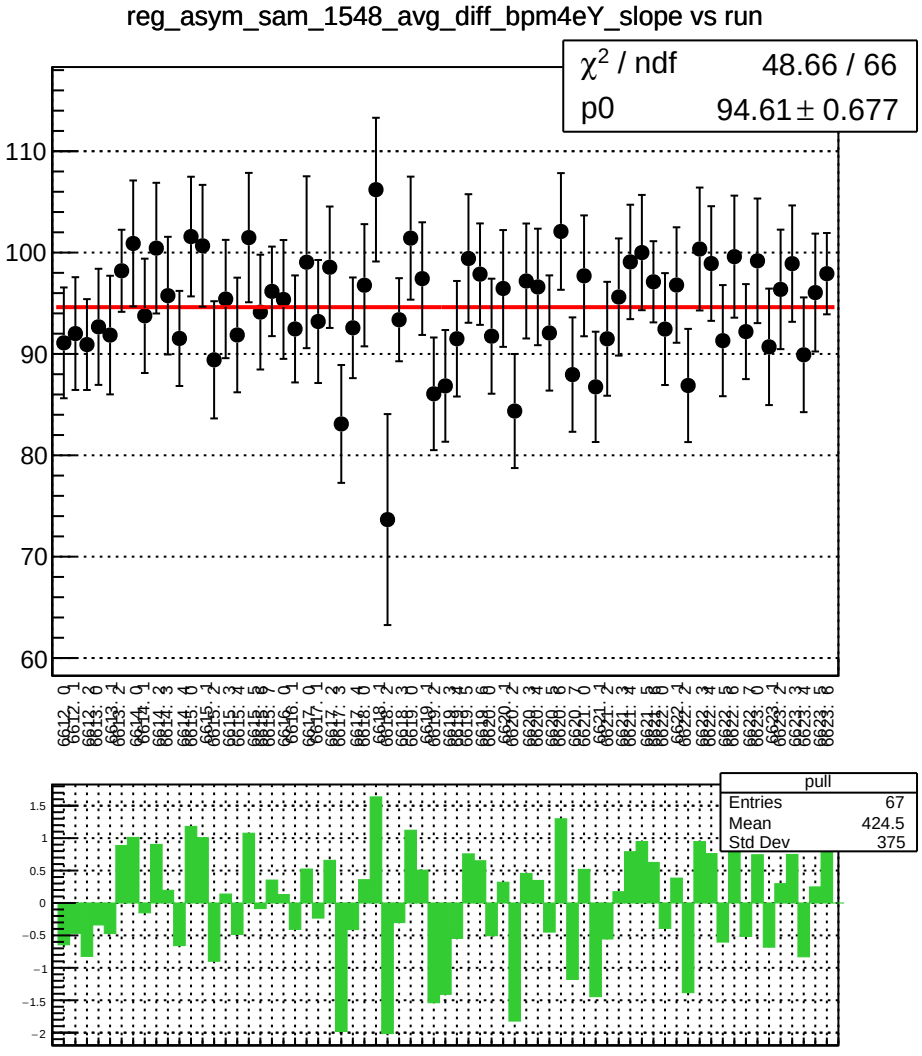

pull1D
Entries 67
Mean 0.006555
Std Dev 0.4463

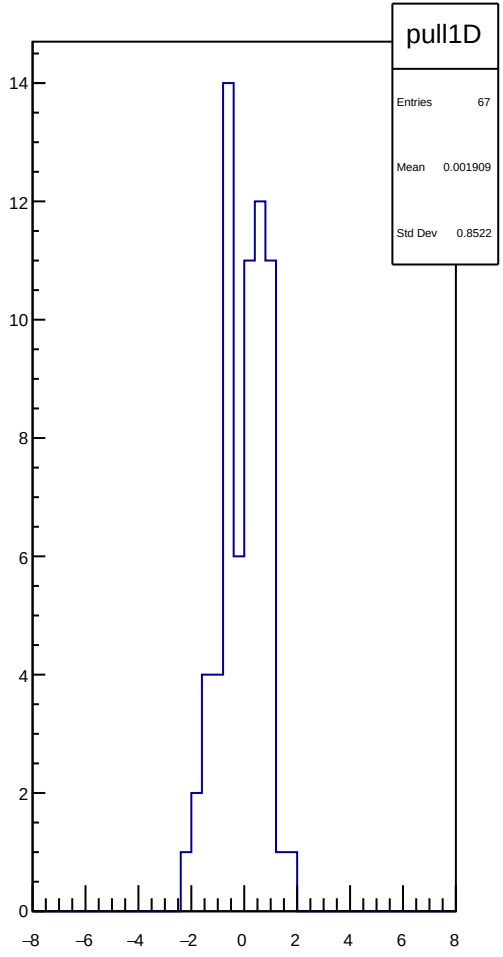

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 48.65 / 66
p0 −14.71 ± 0.8189
pull
Entries 67
Mean 327.7
Std Dev 265.4
pull1D
Entries 67
Mean 0.006325
Std Dev 0.8521

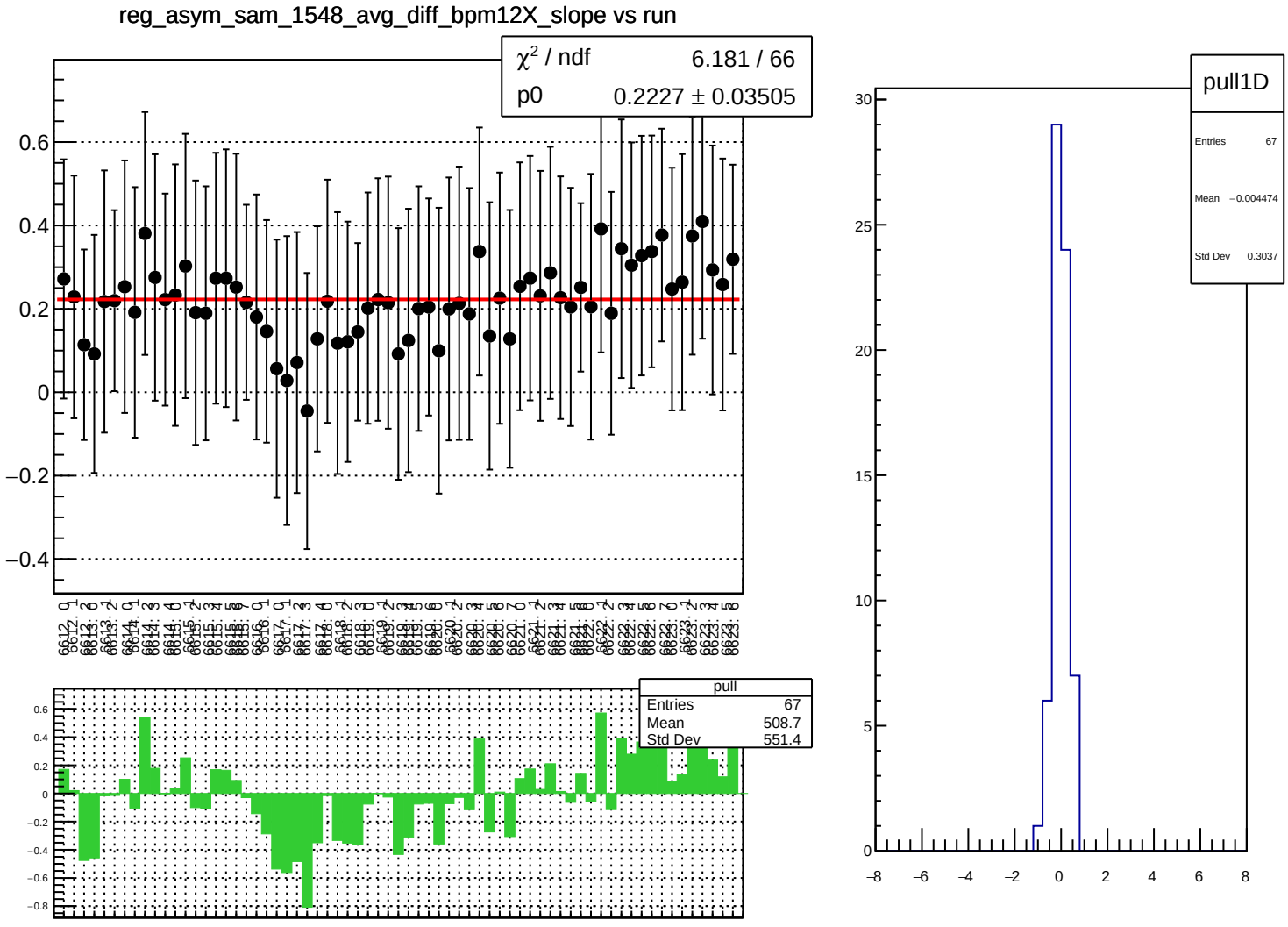

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.54 / 66
p0 −5.845 ± 0.5638
pull
Entries 67
Mean −2.35
Std Dev 115.5
pull1D
Entries 67
Mean 0.005934
Std Dev 0.7385

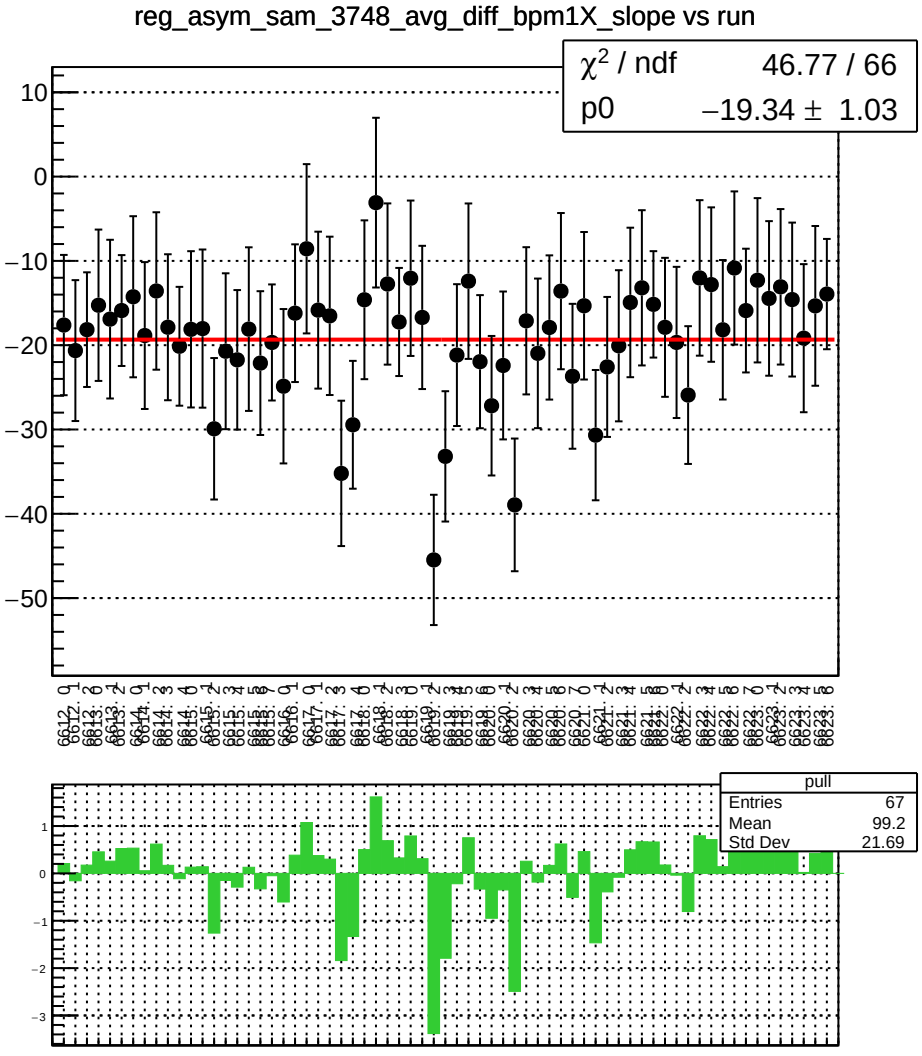

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.68 / 66
p0 −42.55 ± 0.874
pull
Entries 67
Mean 199.8
Std Dev 138.2

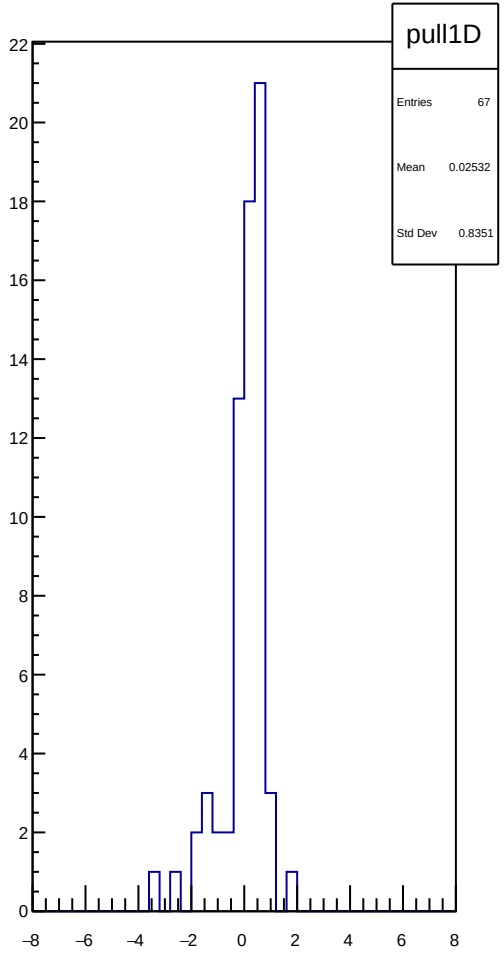

pull1D
Entries 67
Mean −0.009814
Std Dev 0.8611


reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 48.66 / 66
p0 94.61 ± 0.677
pull
Entries 67
Mean 424.5
Std Dev 375

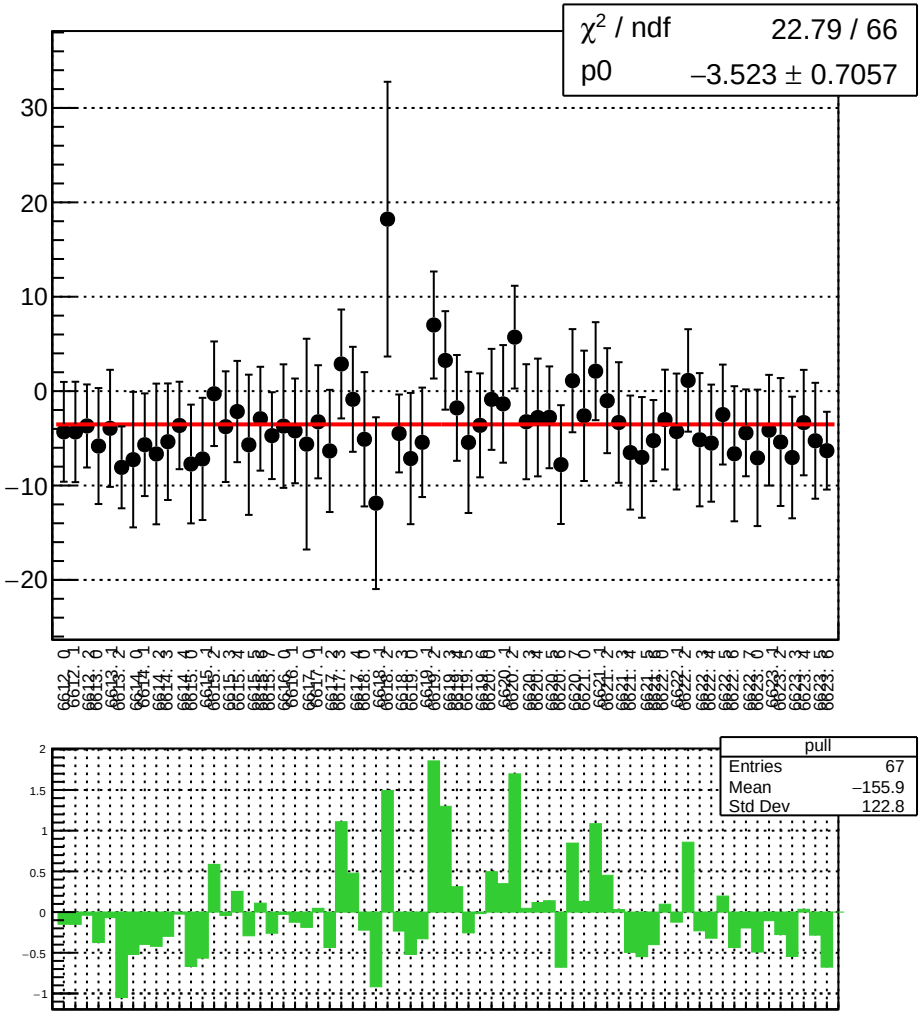

pull1D
Entries 67
Mean 0.001909
Std Dev 0.8522

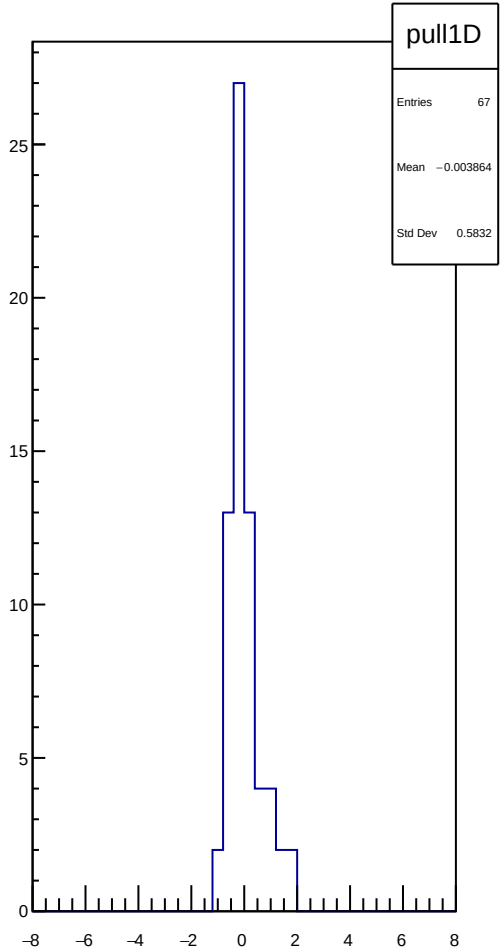

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 6.181 / 66
p0 0.2227 ± 0.03505
pull
Entries 67
Mean −508.7
Std Dev 551.4
pull1D
Entries 67
Mean −0.004474
Std Dev 0.3037

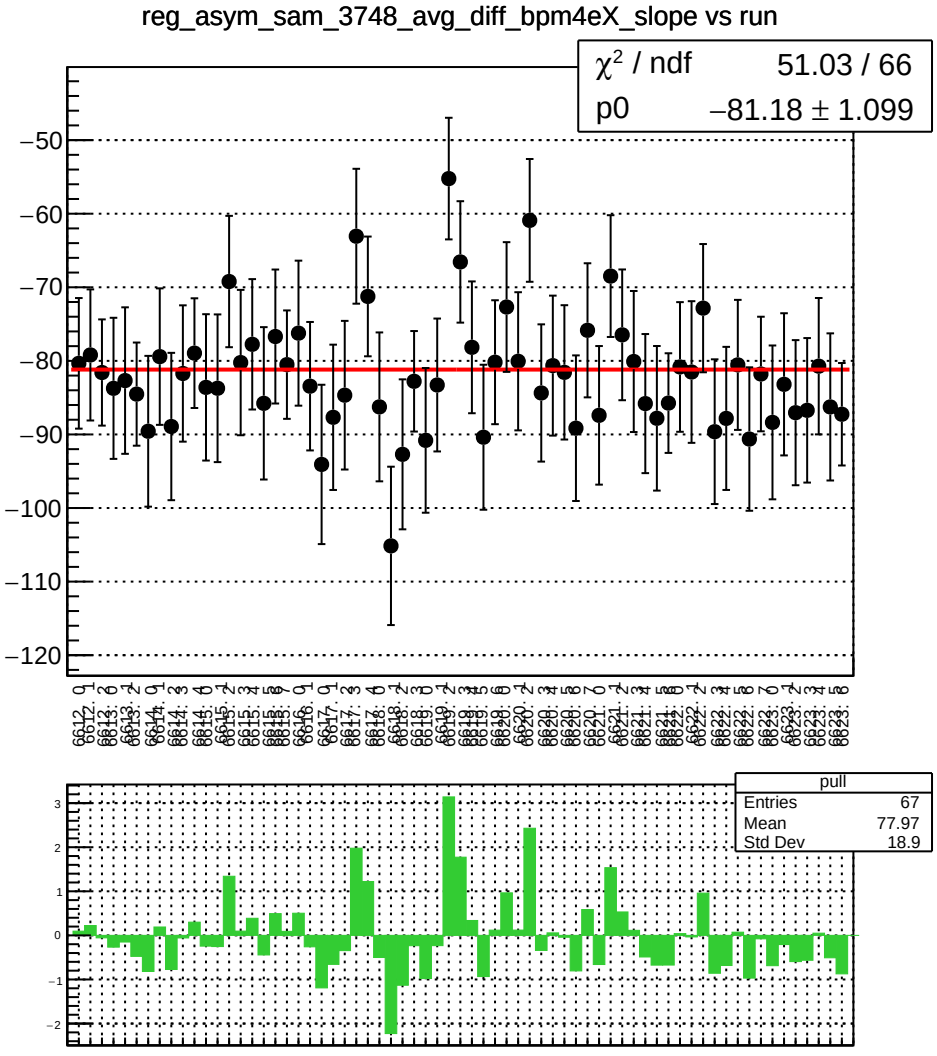

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 46.77 / 66
p0 −19.34 ± 1.03
pull
Entries 67
Mean 99.2
Std Dev 21.69

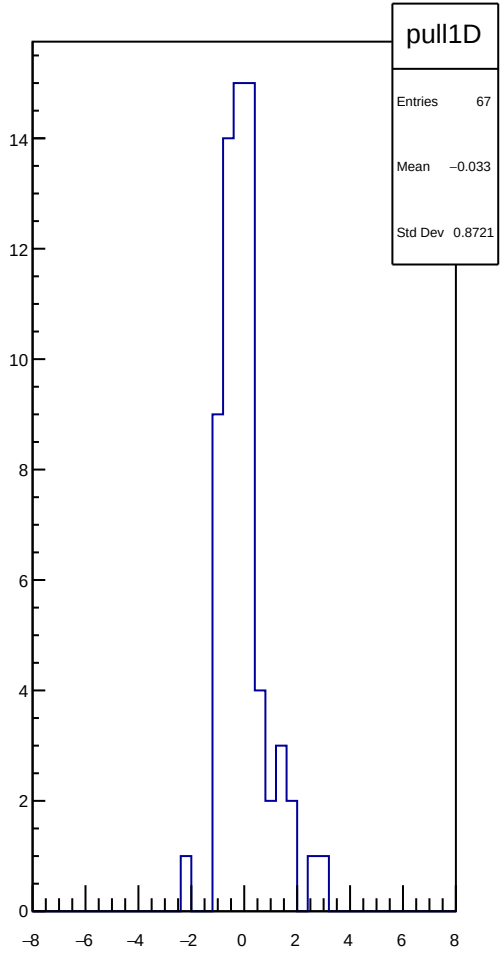

pull1D
Entries 67
Mean 0.02532
Std Dev 0.8351

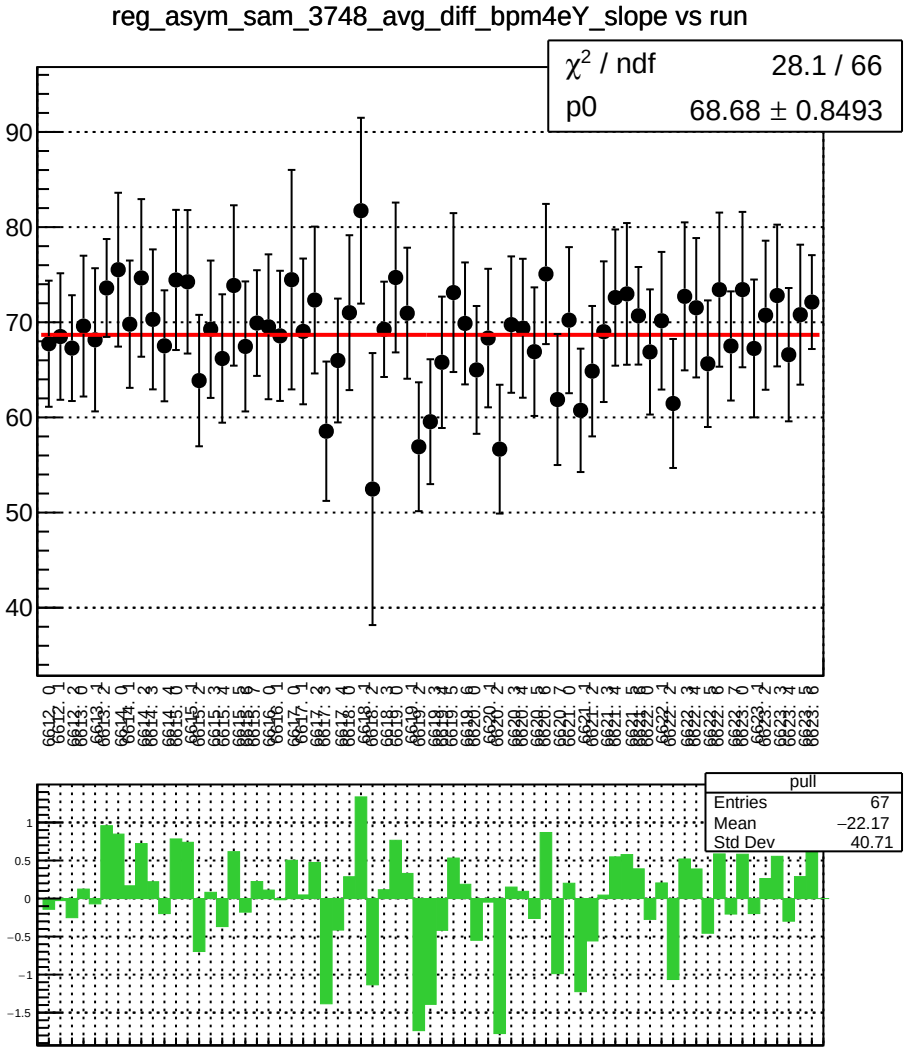
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run

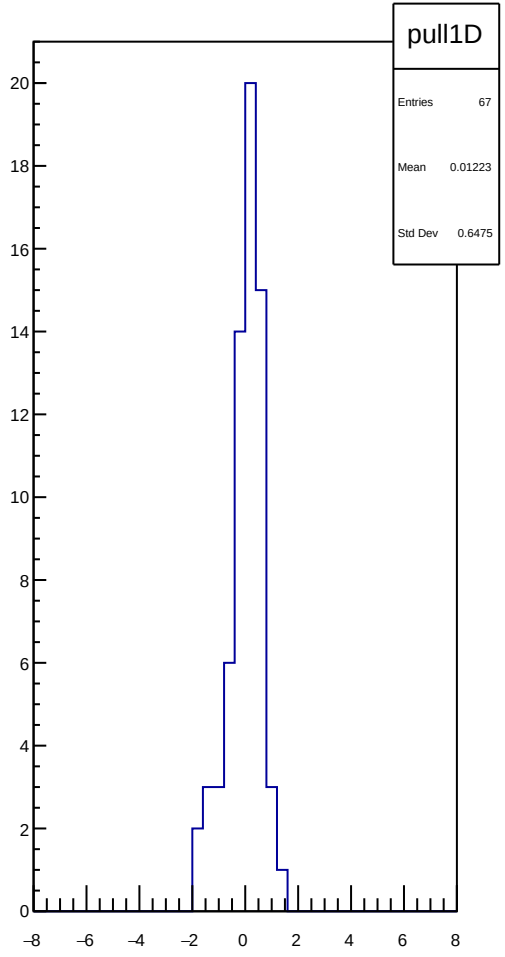


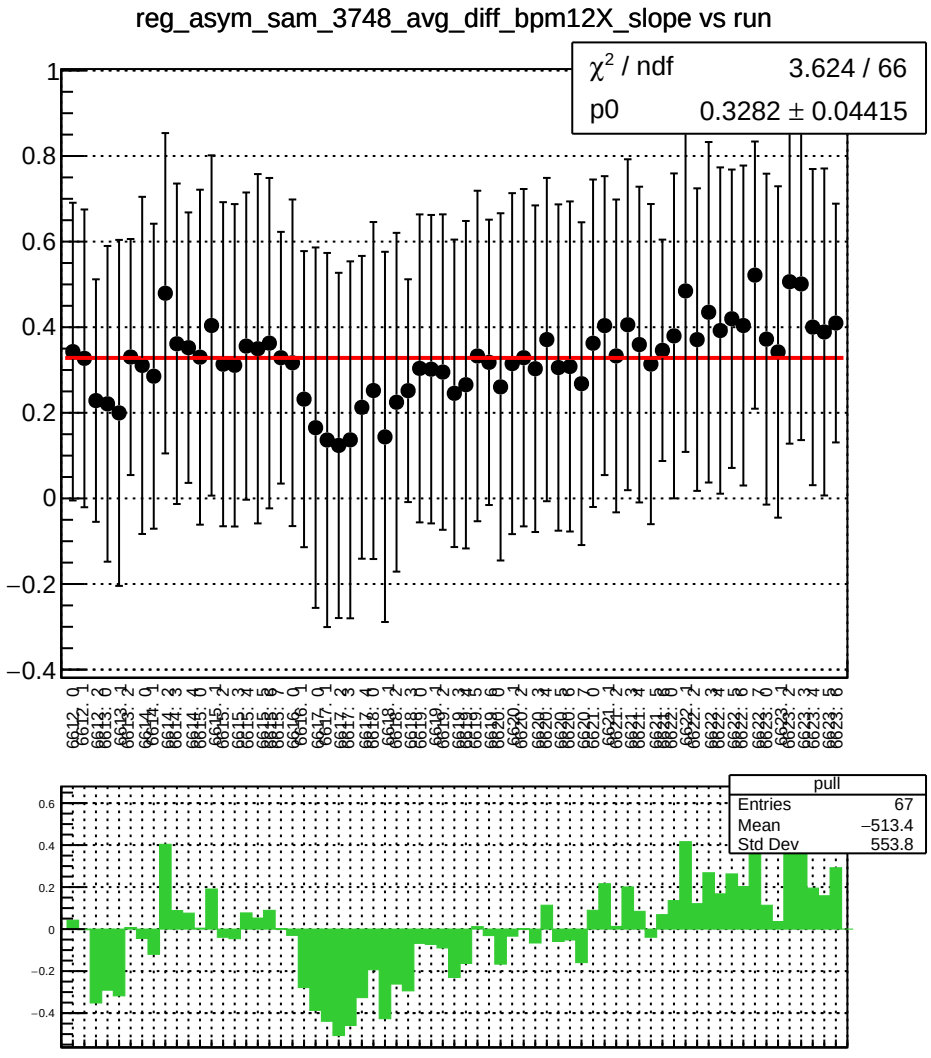


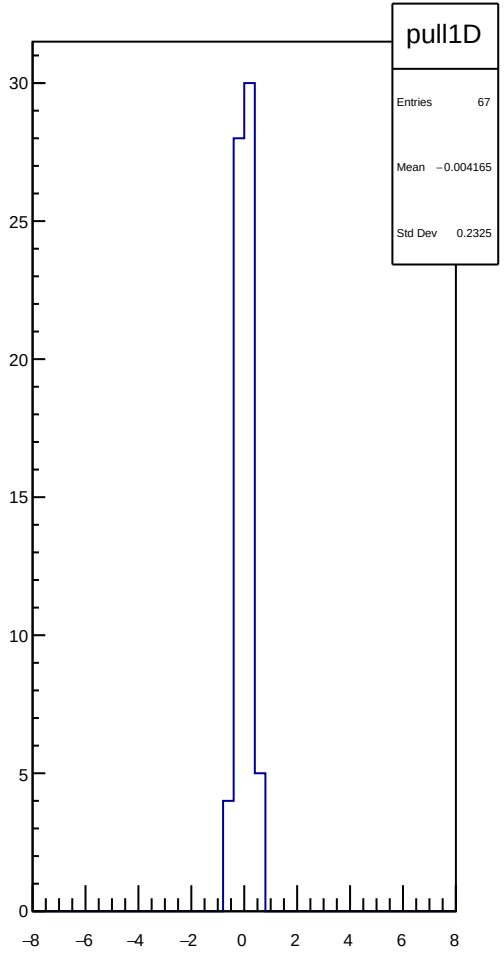

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.03 / 66
p0 −81.18 ± 1.099
pull
Entries 67
Mean 77.97
Std Dev 18.9

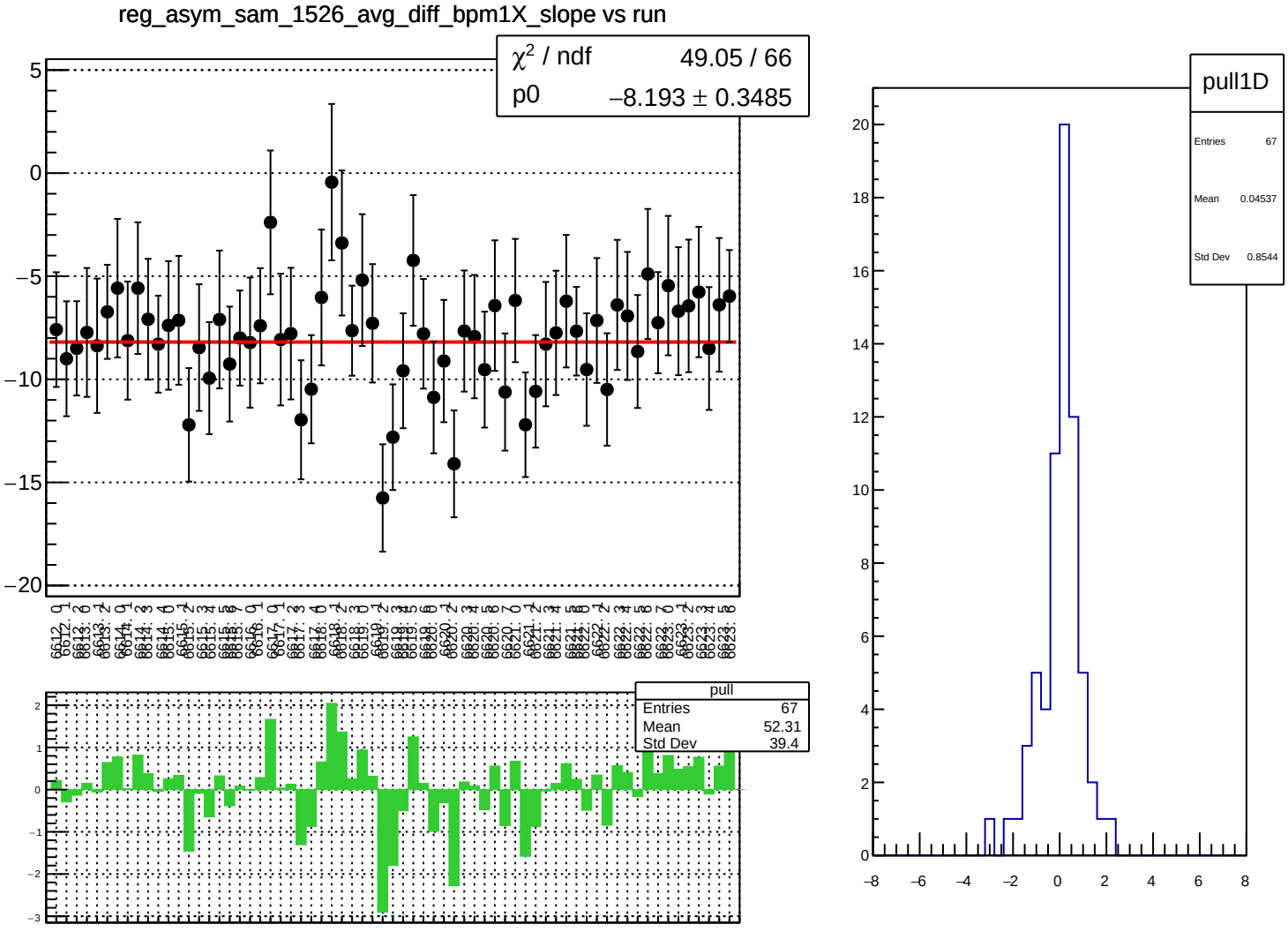

pull1D
Entries 67
Mean −0.033
Std Dev 0.8721

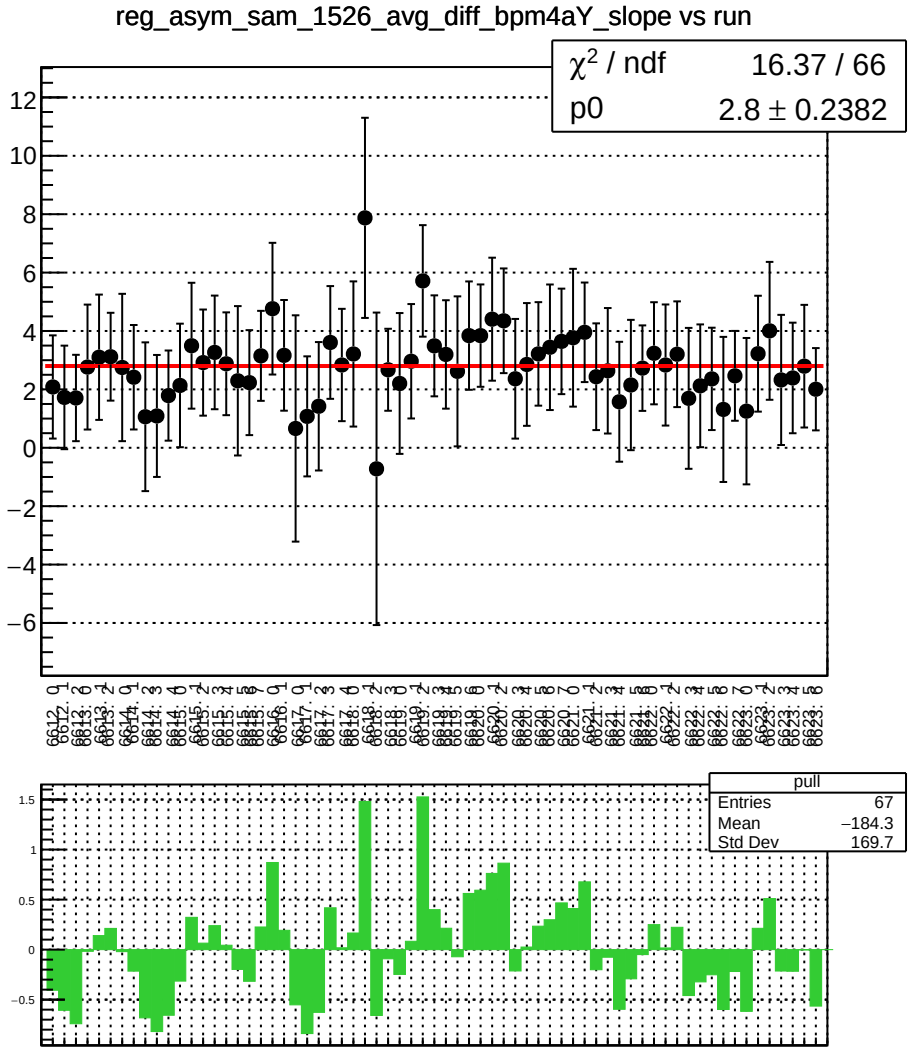

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 28.1 / 66
p0 68.68 ± 0.8493
pull
Entries 67
Mean −22.17
Std Dev 40.71

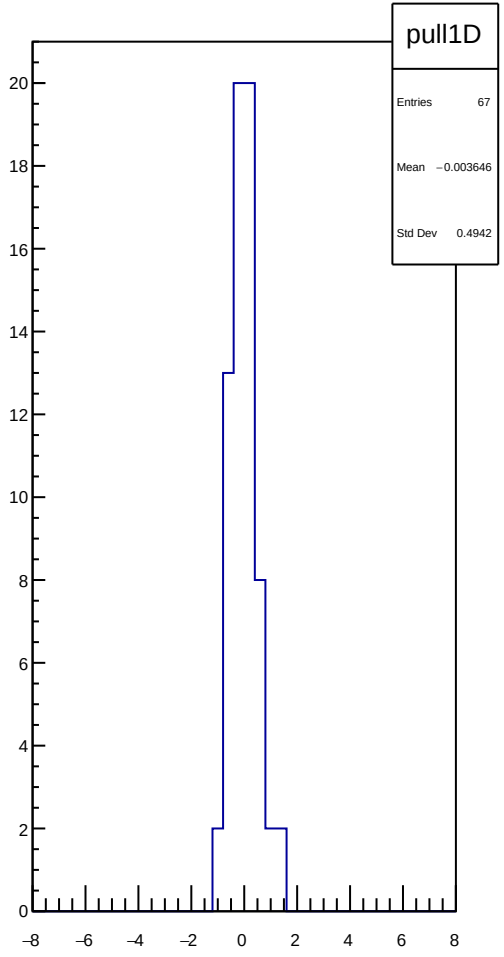

pull1D
Entries 67
Mean 0.01223
Std Dev 0.6475

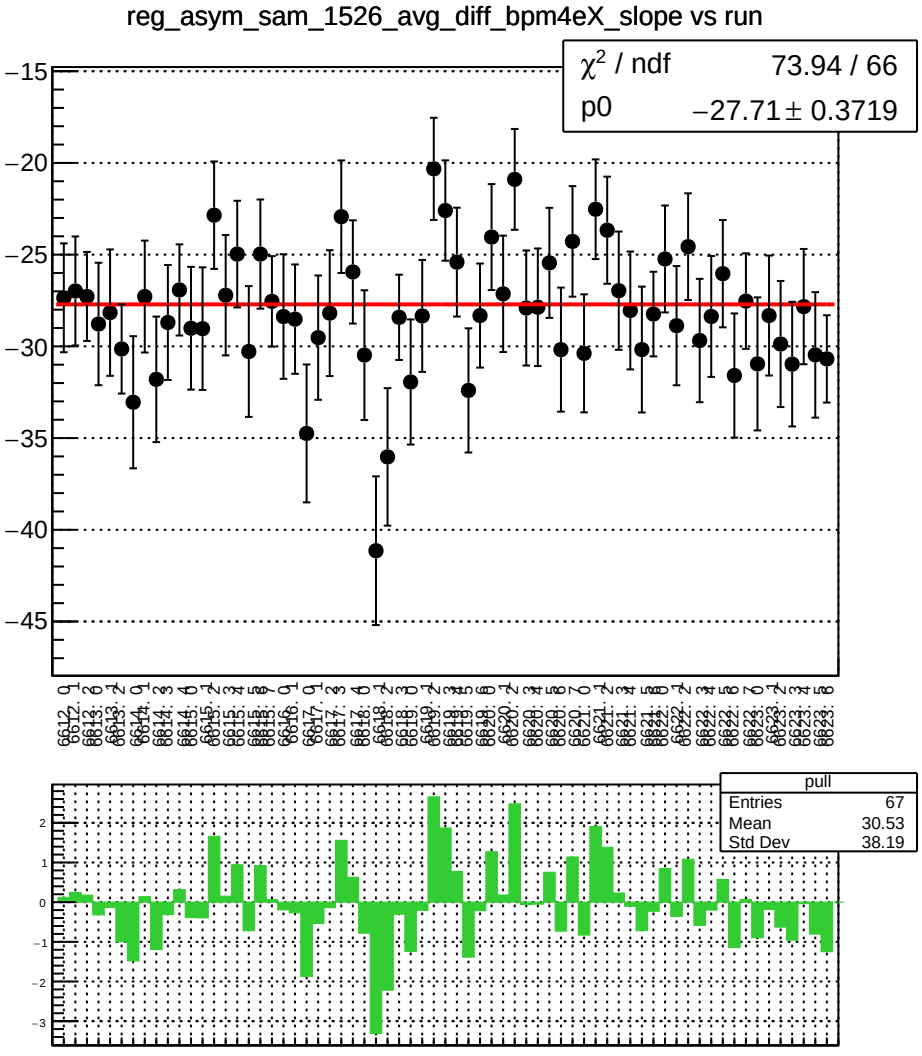

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 3.624 / 66
p0 0.3282 ± 0.04415
pull
Entries 67
Mean −513.4
Std Dev 553.8

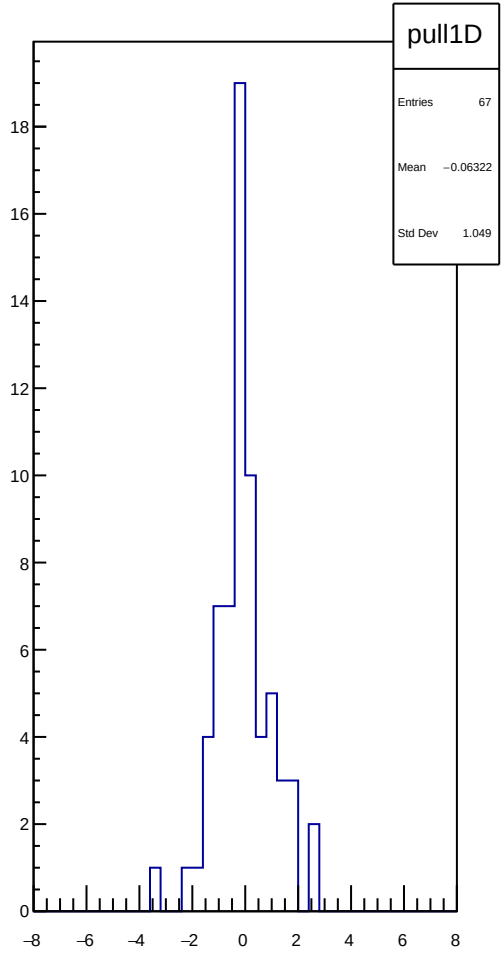

pull1D
Entries 67
Mean −0.004165
Std Dev 0.2325

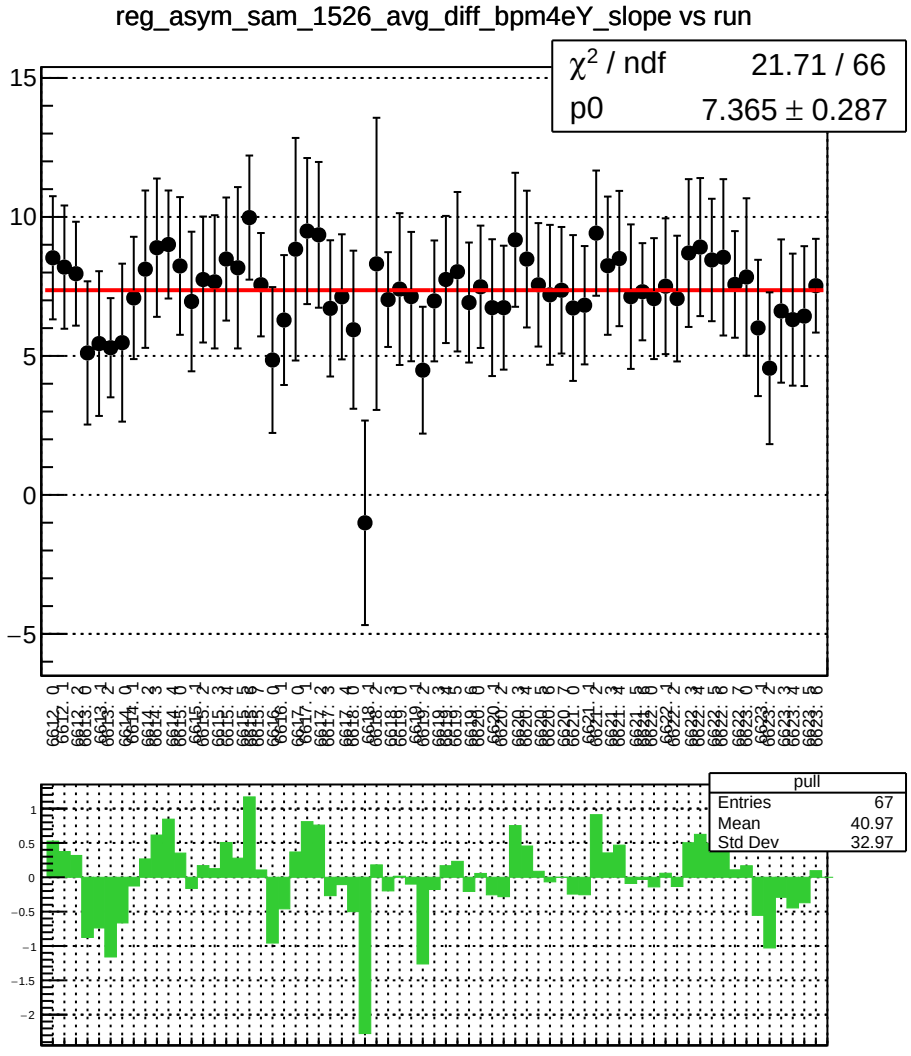

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 49.05 / 66
p0 −8.193 ± 0.3485
pull
Entries 67
Mean 52.31
Std Dev 39.4
pull1D
Entries 67
Mean 0.04537
Std Dev 0.8544

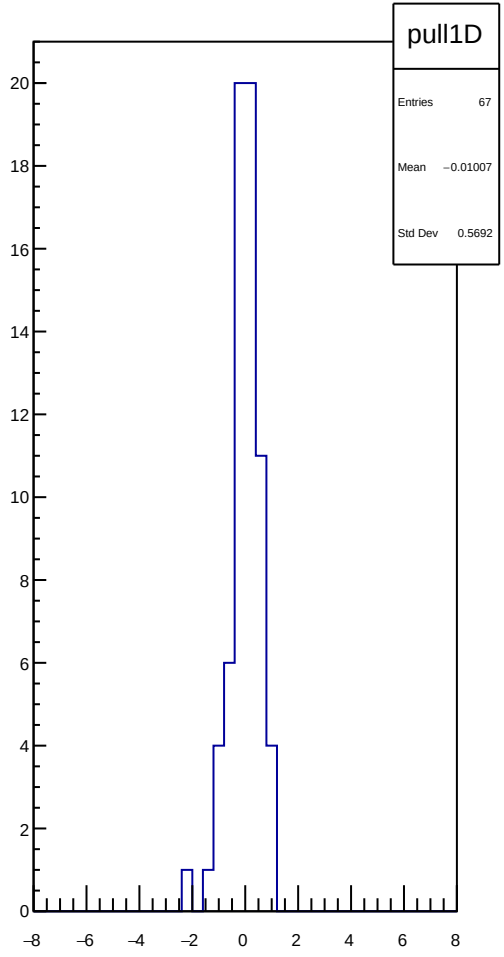

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.37 / 66
p0 2.8 ± 0.2382
pull
Entries 67
Mean −184.3
Std Dev 169.7

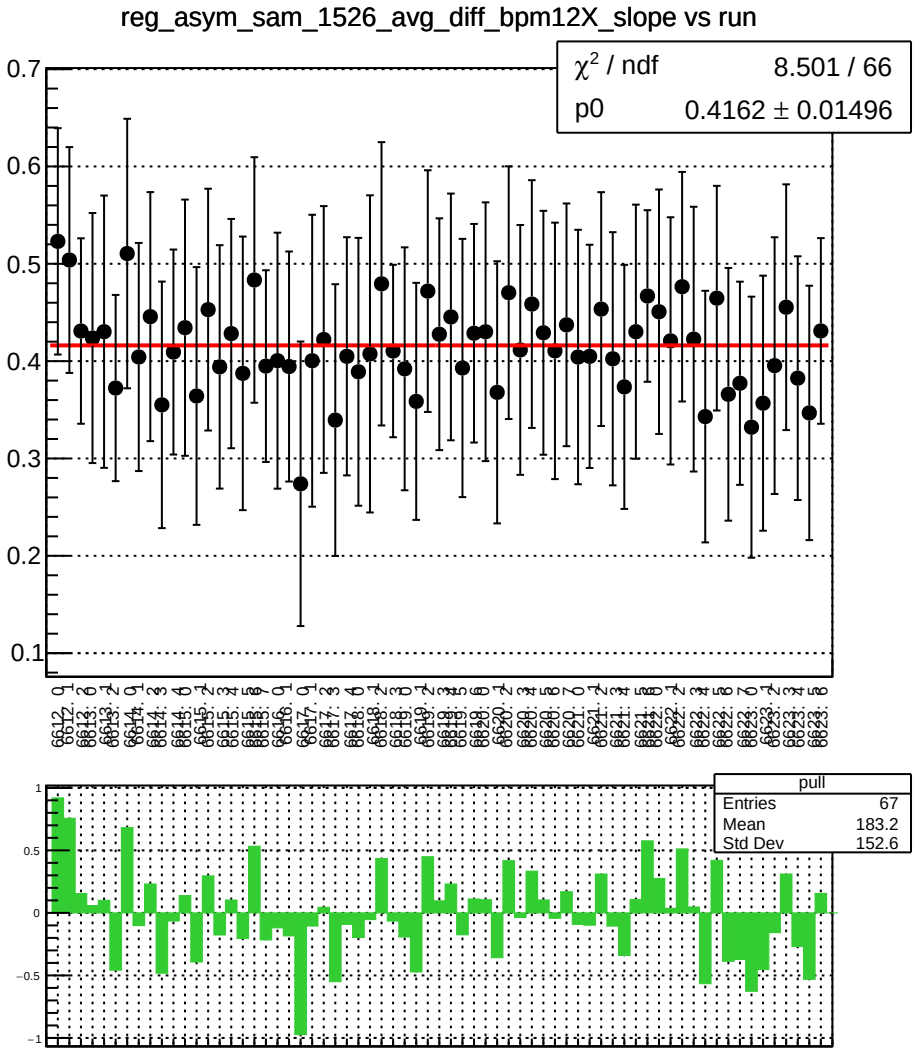

pull1D
Entries 67
Mean −0.003646
Std Dev 0.4942

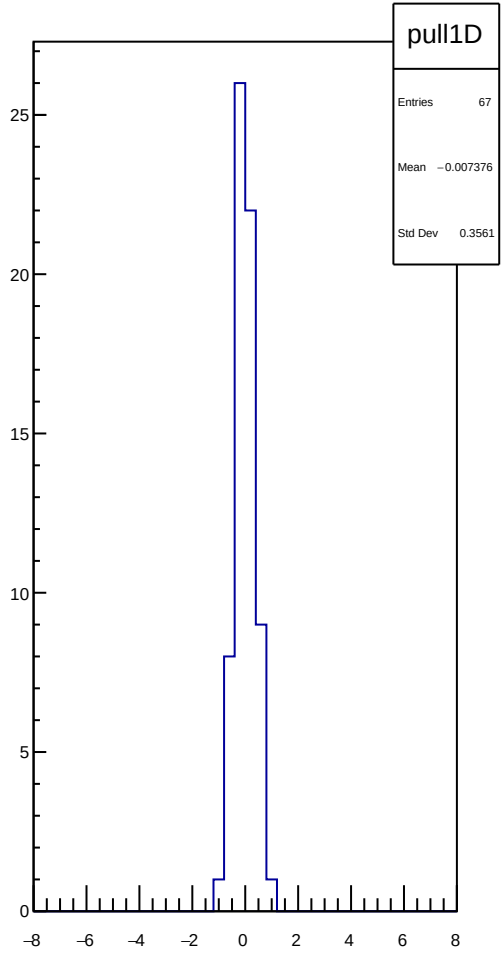

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 73.94 / 66
p0 −27.71 ± 0.3719
pull
Entries 67
Mean 30.53
Std Dev 38.19

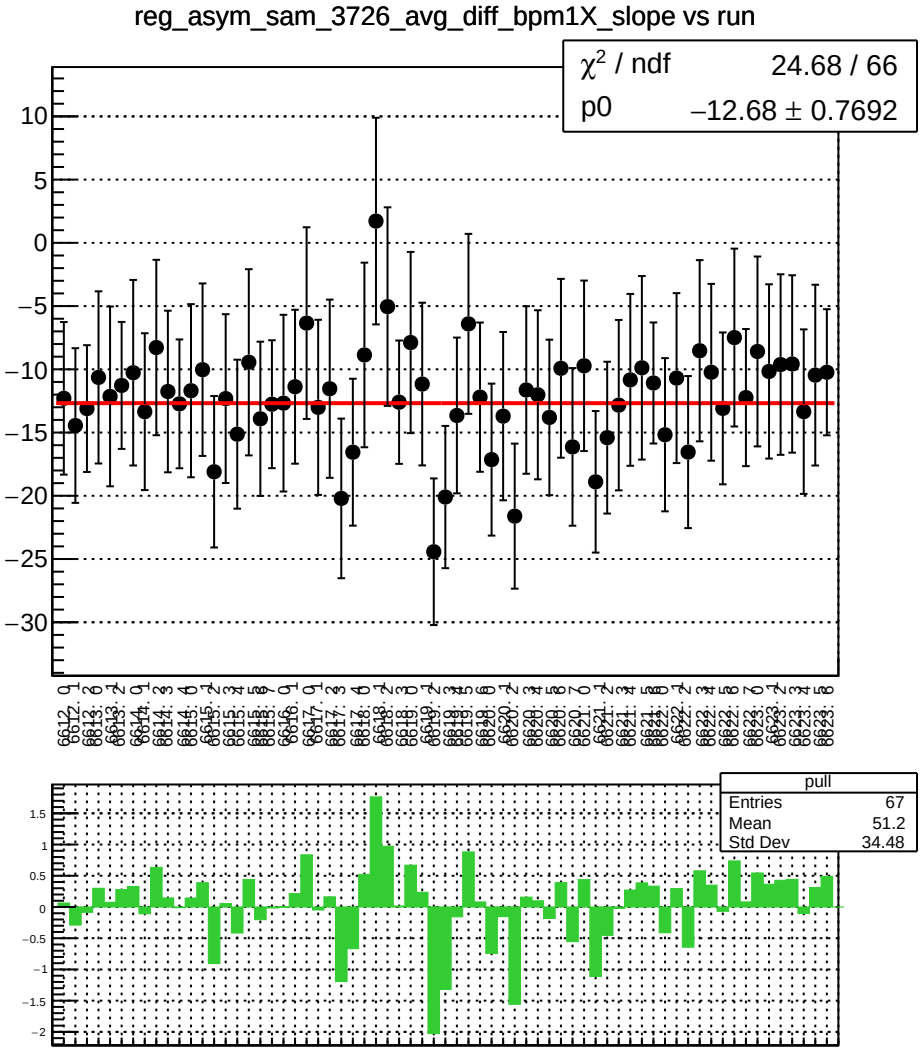

pull1D
Entries 67
Mean −0.06322
Std Dev 1.049

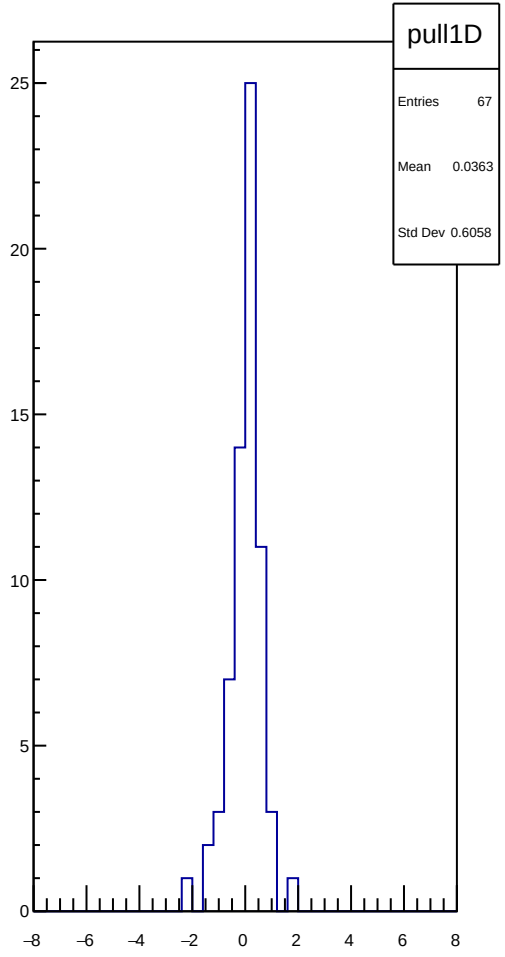

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.71 / 66
p0 7.365 ± 0.287
pull
Entries 67
Mean 40.97
Std Dev 32.97

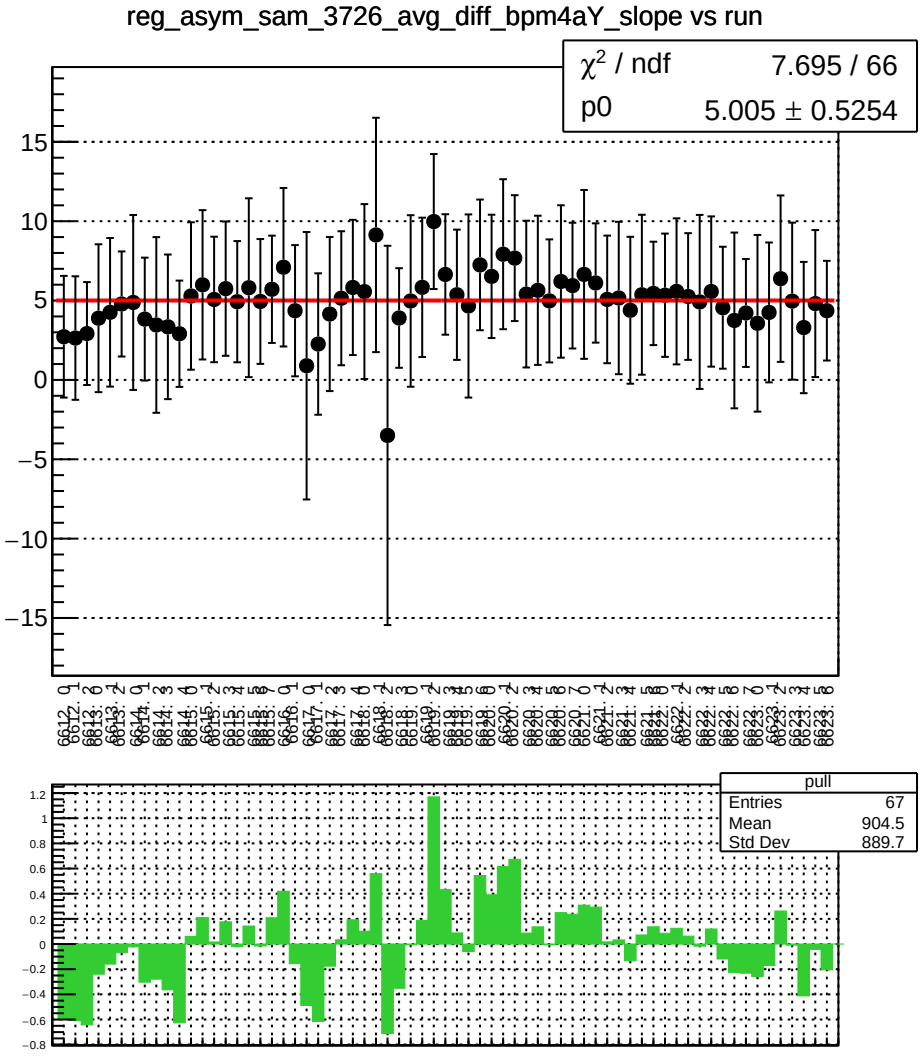

pull1D
Entries 67
Mean −0.01007
Std Dev 0.5692

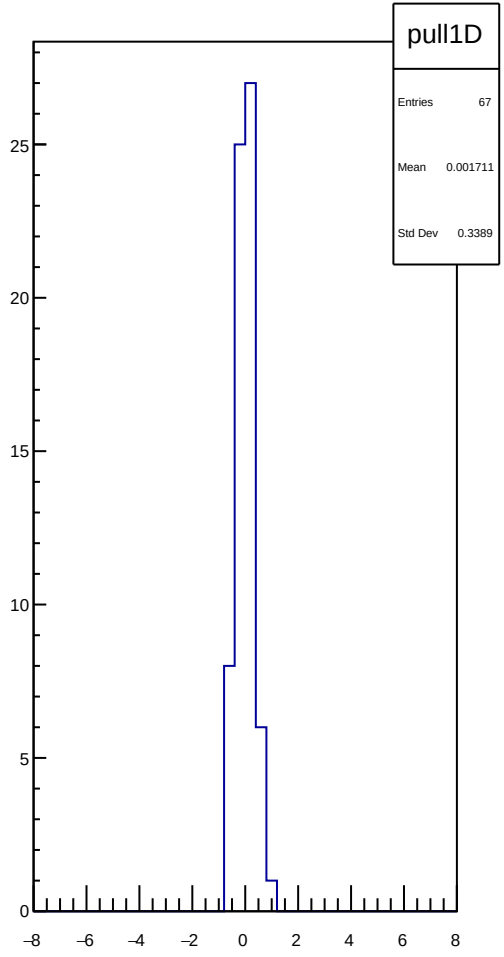

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 8.501 / 66
p0 0.4162 ± 0.01496
pull
Entries 67
Mean 183.2
Std Dev 152.6

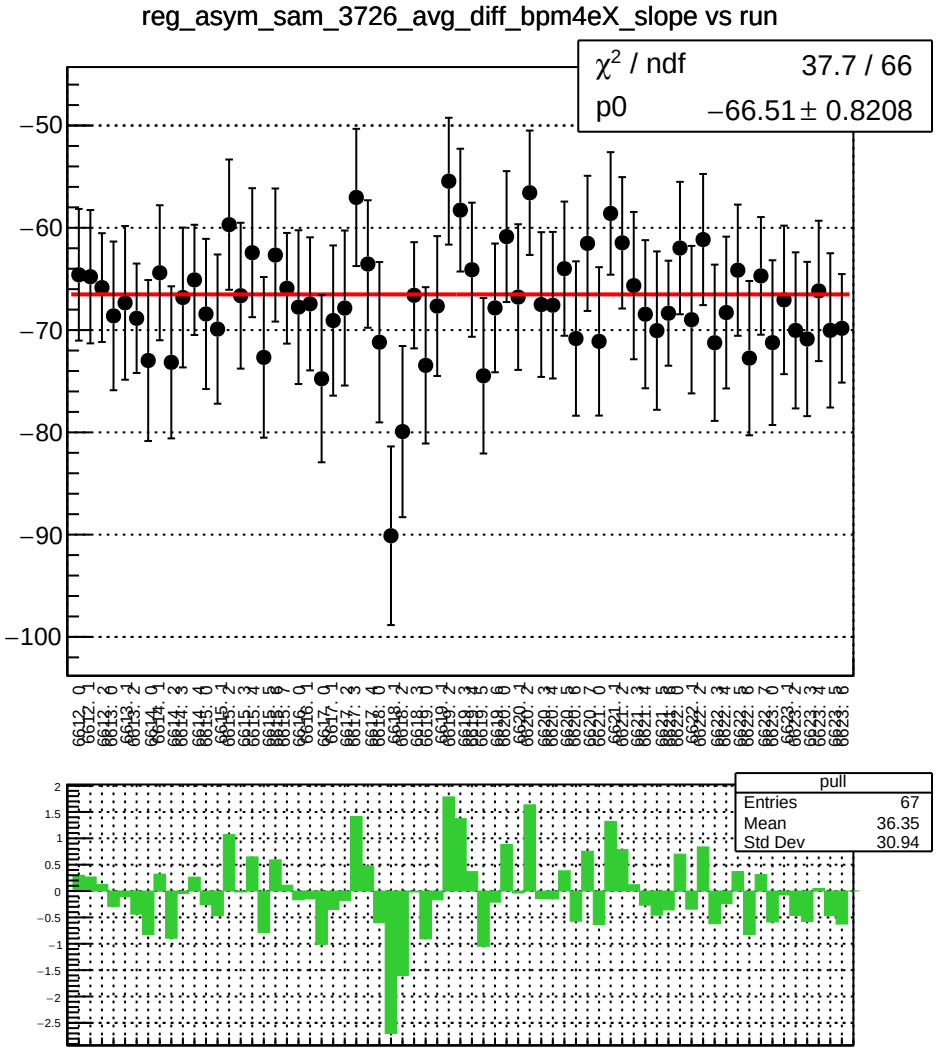

pull1D
Entries 67
Mean −0.007376
Std Dev 0.3561

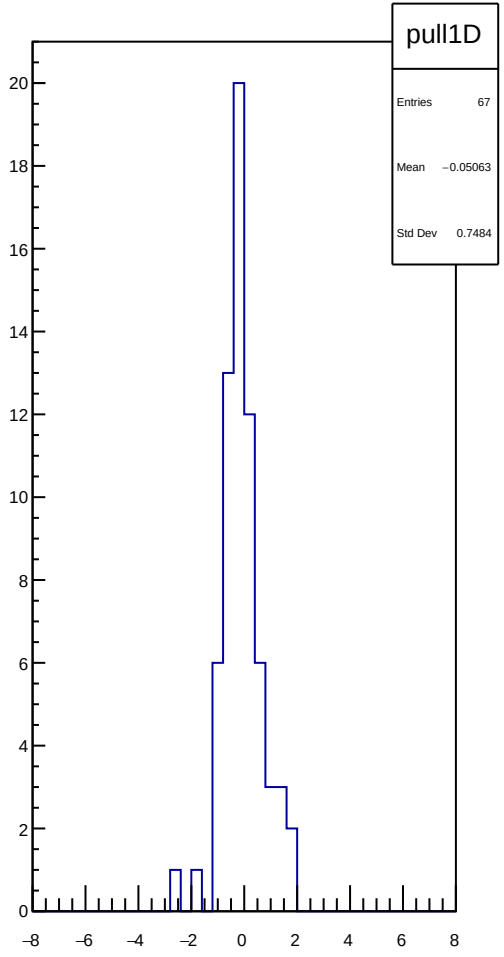

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 24.68 / 66
p0 −12.68 ± 0.7692
pull
Entries 67
Mean 51.2
Std Dev 34.48

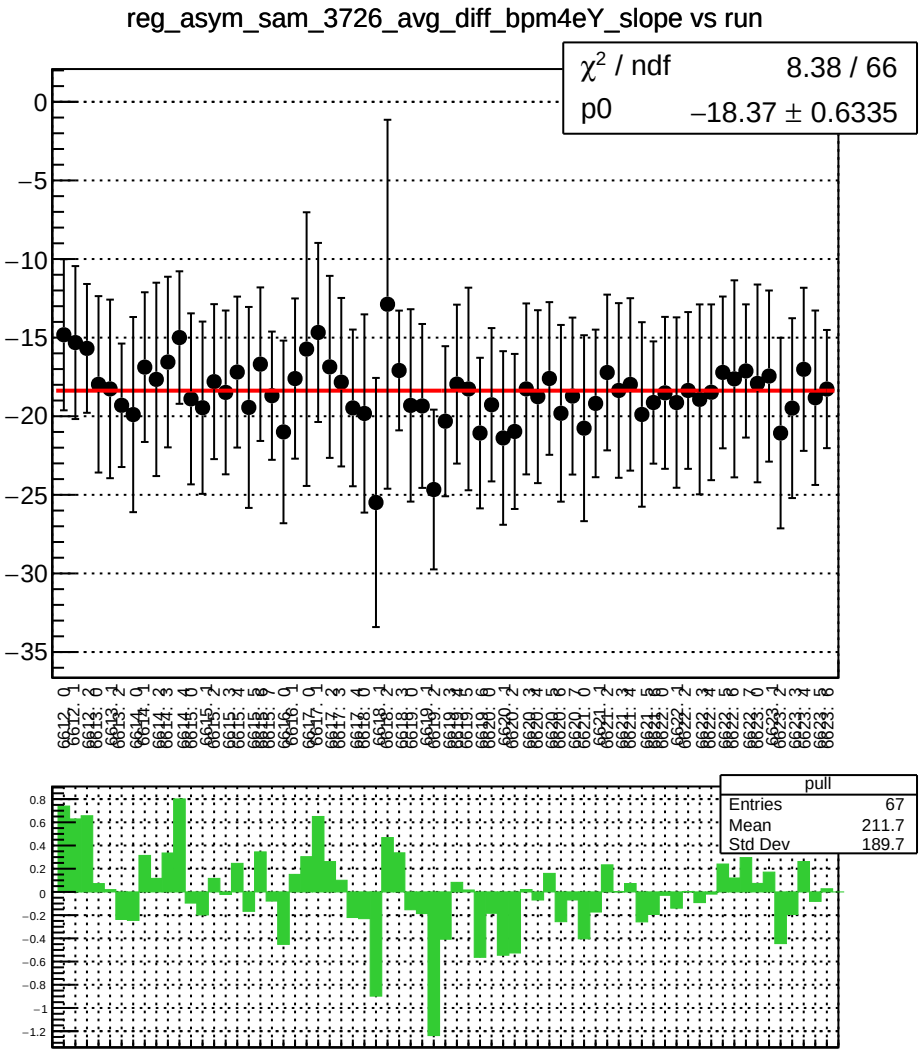

pull1D
Entries 67
Mean 0.0363
Std Dev 0.6058

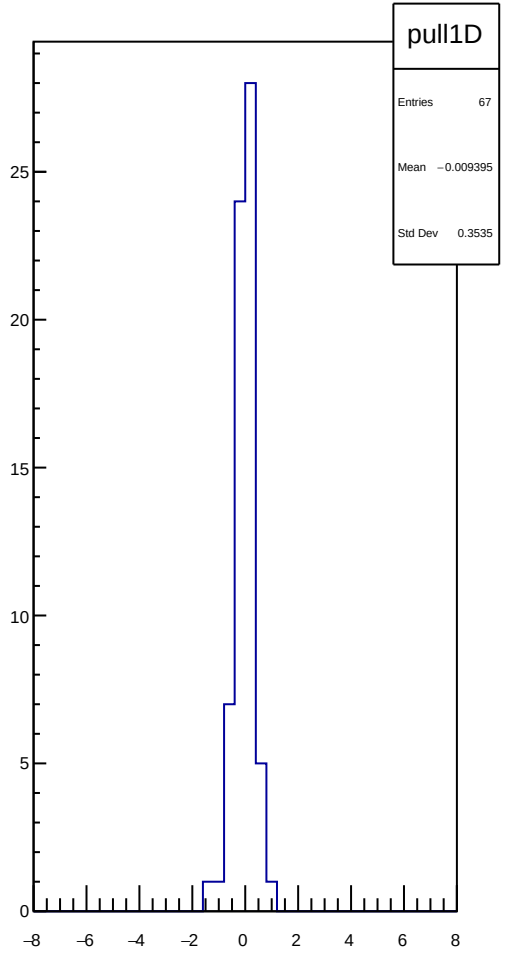

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 7.695 / 66
p0 5.005 ± 0.5254
pull
Entries 67
Mean 904.5
Std Dev 889.7

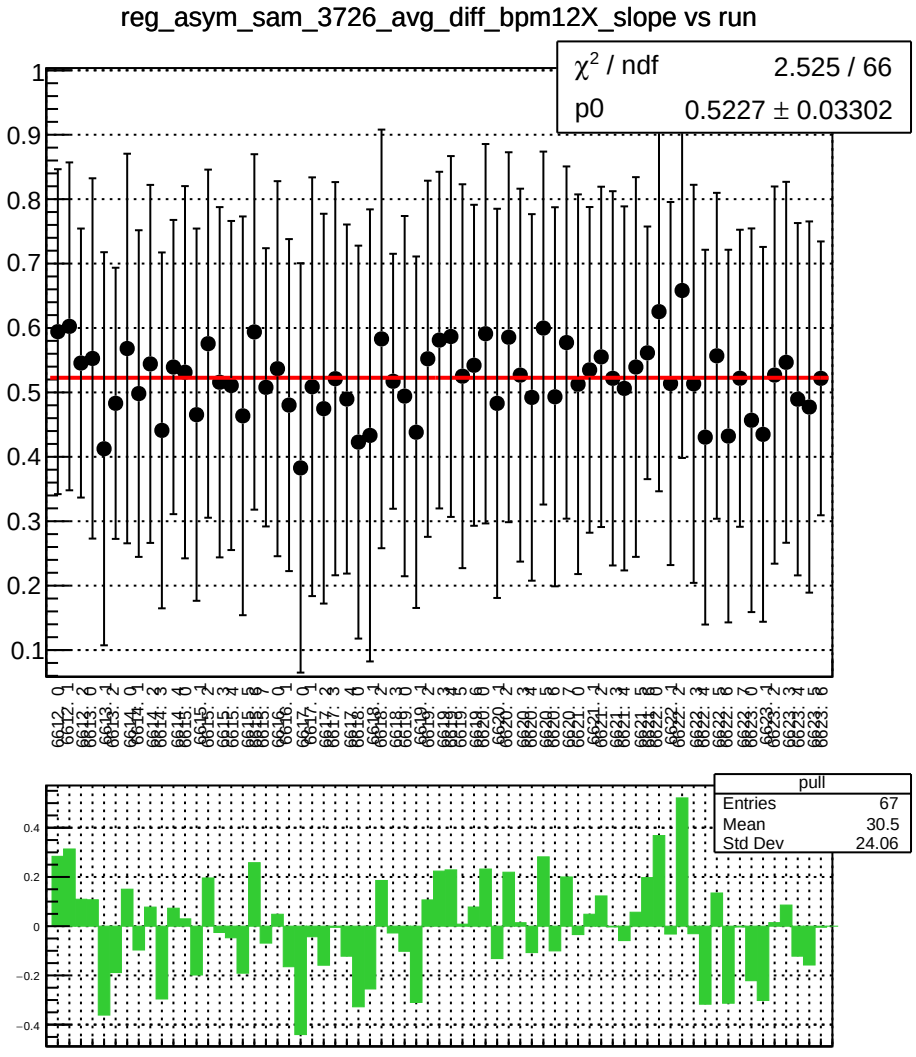

pull1D
Entries 67
Mean 0.001711
Std Dev 0.3389

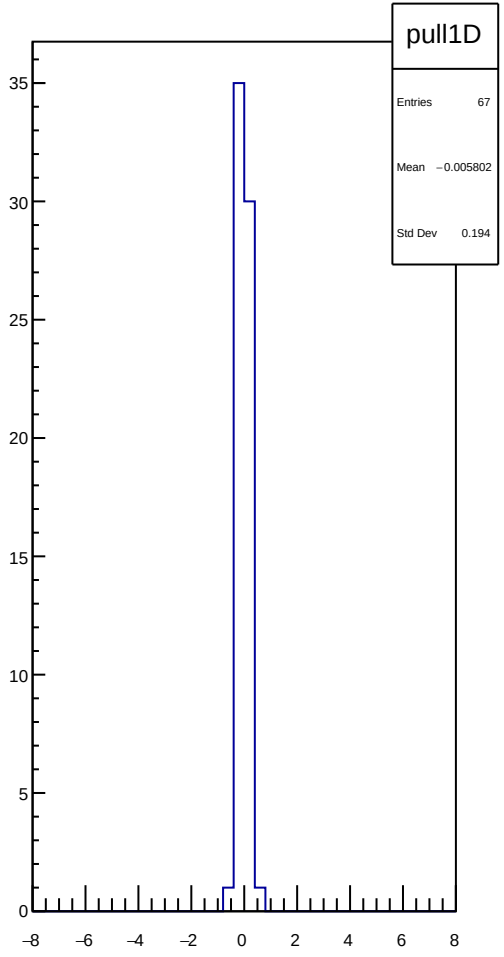

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 37.7 / 66
p0 −66.51 ± 0.8208
pull
Entries 67
Mean 36.35
Std Dev 30.94

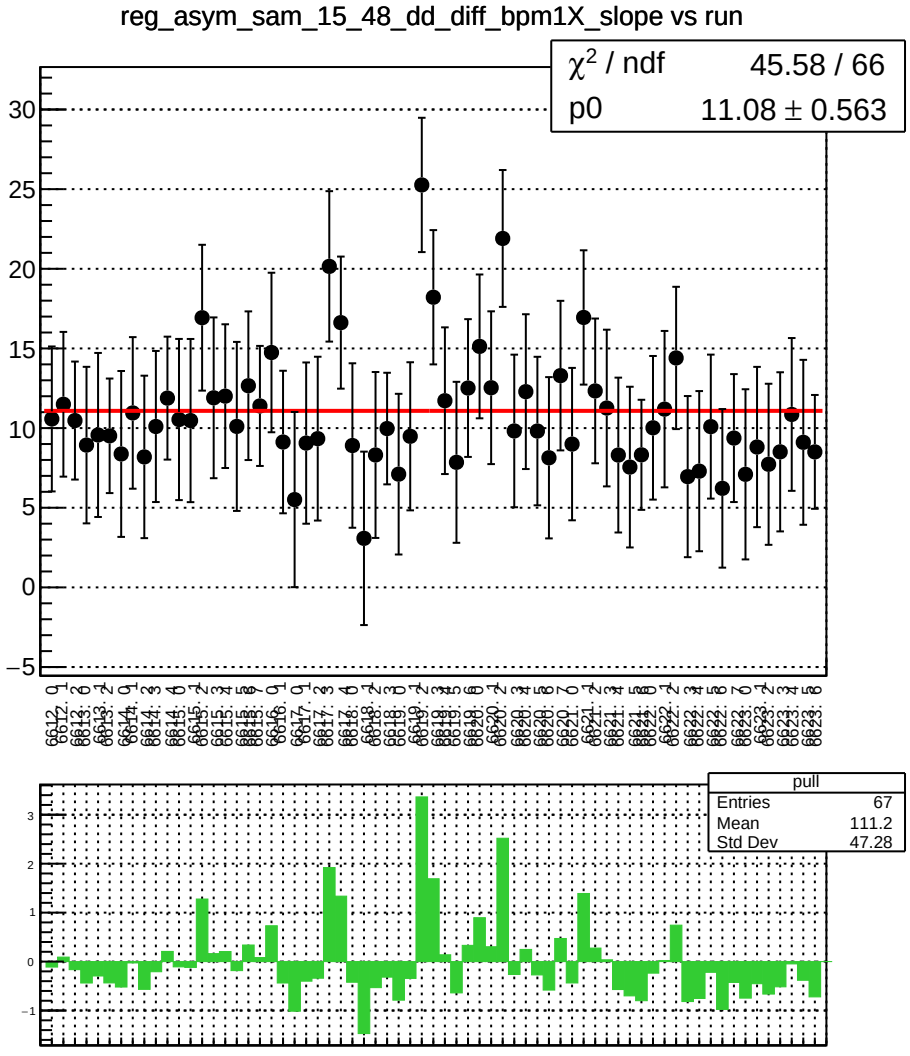

pull1D
Entries 67
Mean −0.05063
Std Dev 0.7484

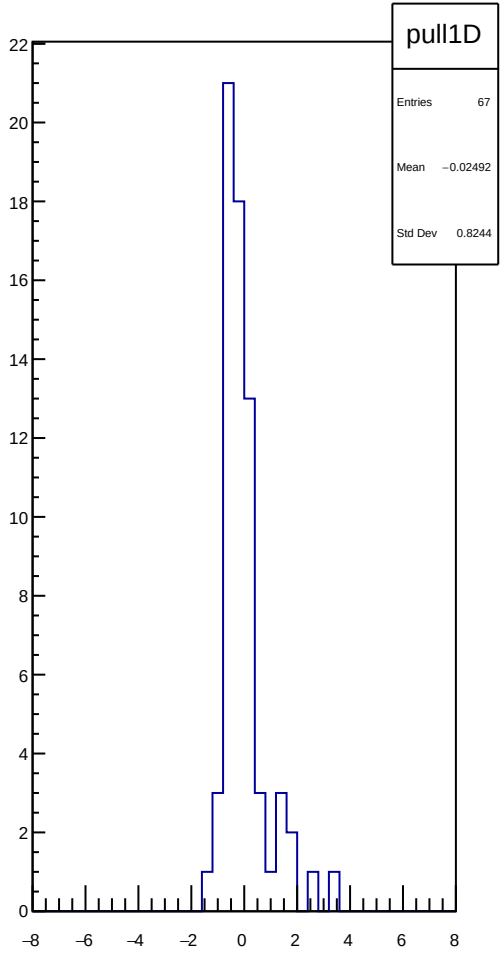

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 8.38 / 66
p0 −18.37 ± 0.6335
pull
Entries 67
Mean 211.7
Std Dev 189.7

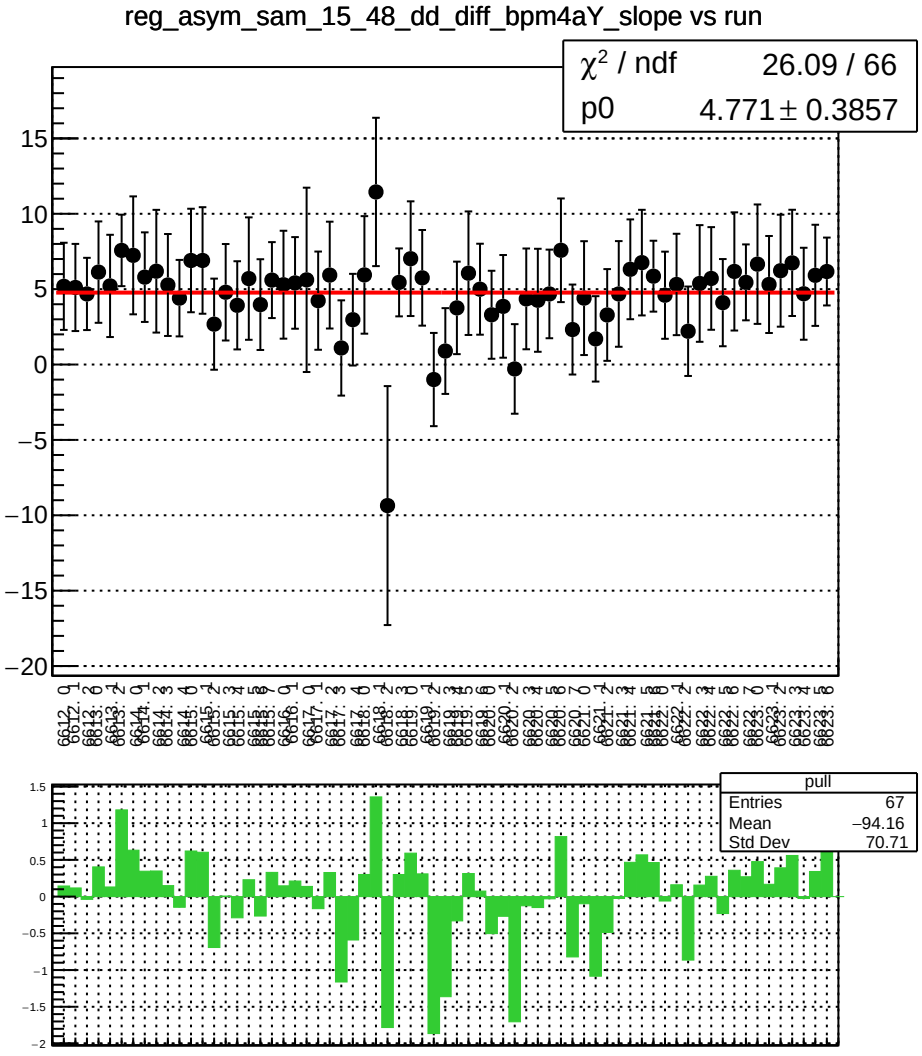

pull1D
Entries 67
Mean −0.009395
Std Dev 0.3535

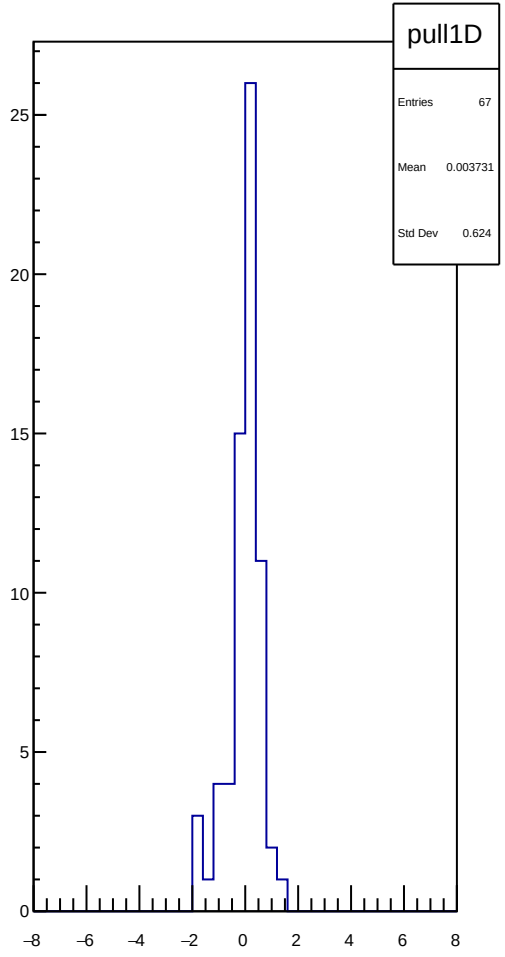

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.525 / 66
p0 0.5227 ± 0.03302
pull
Entries 67
Mean 30.5
Std Dev 24.06

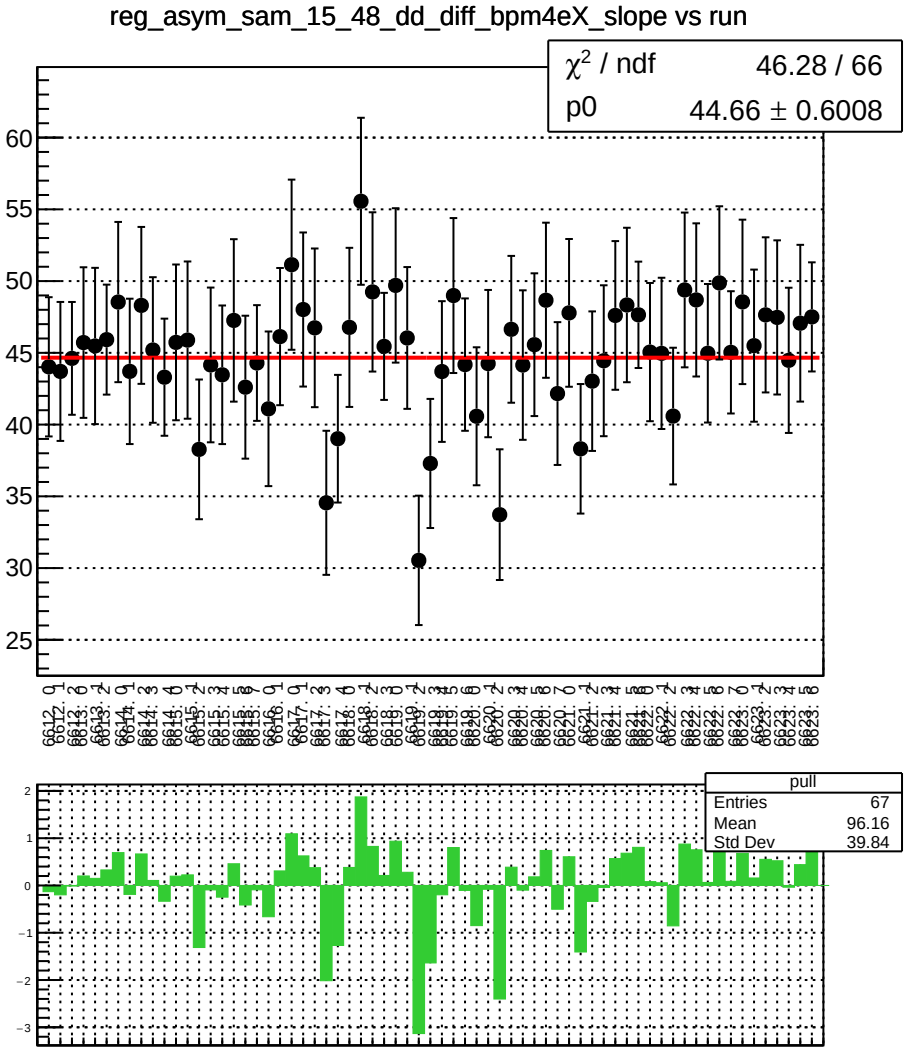

pull1D
Entries 67
Mean −0.005802
Std Dev 0.194

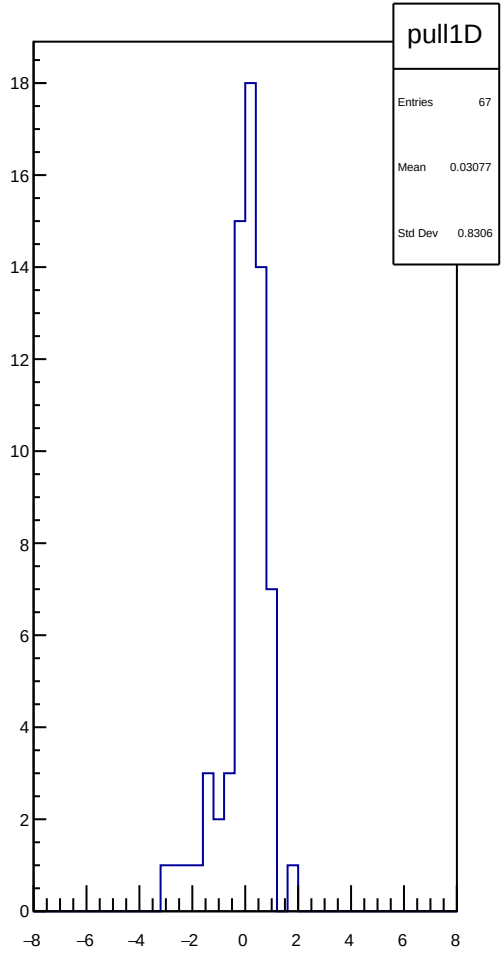

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 45.58 / 66
p0 11.08 ± 0.563
pull
Entries 67
Mean 111.2
Std Dev 47.28

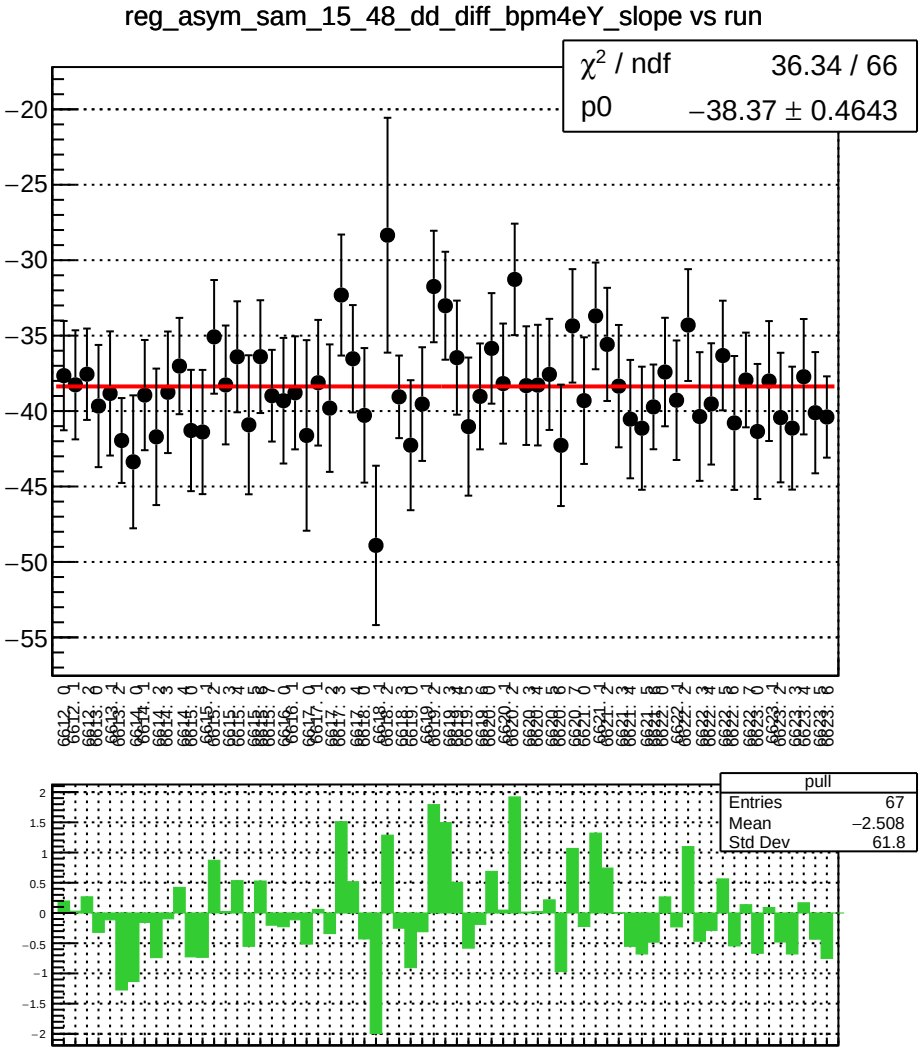

pull1D
Entries 67
Mean −0.02492
Std Dev 0.8244

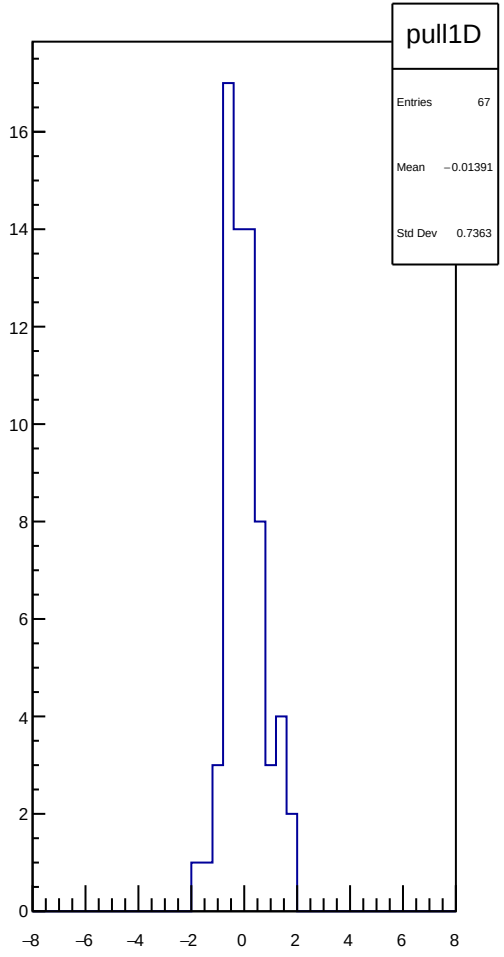

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 26.09 / 66
p0 4.771 ± 0.3857
pull
Entries 67
Mean −94.16
Std Dev 70.71

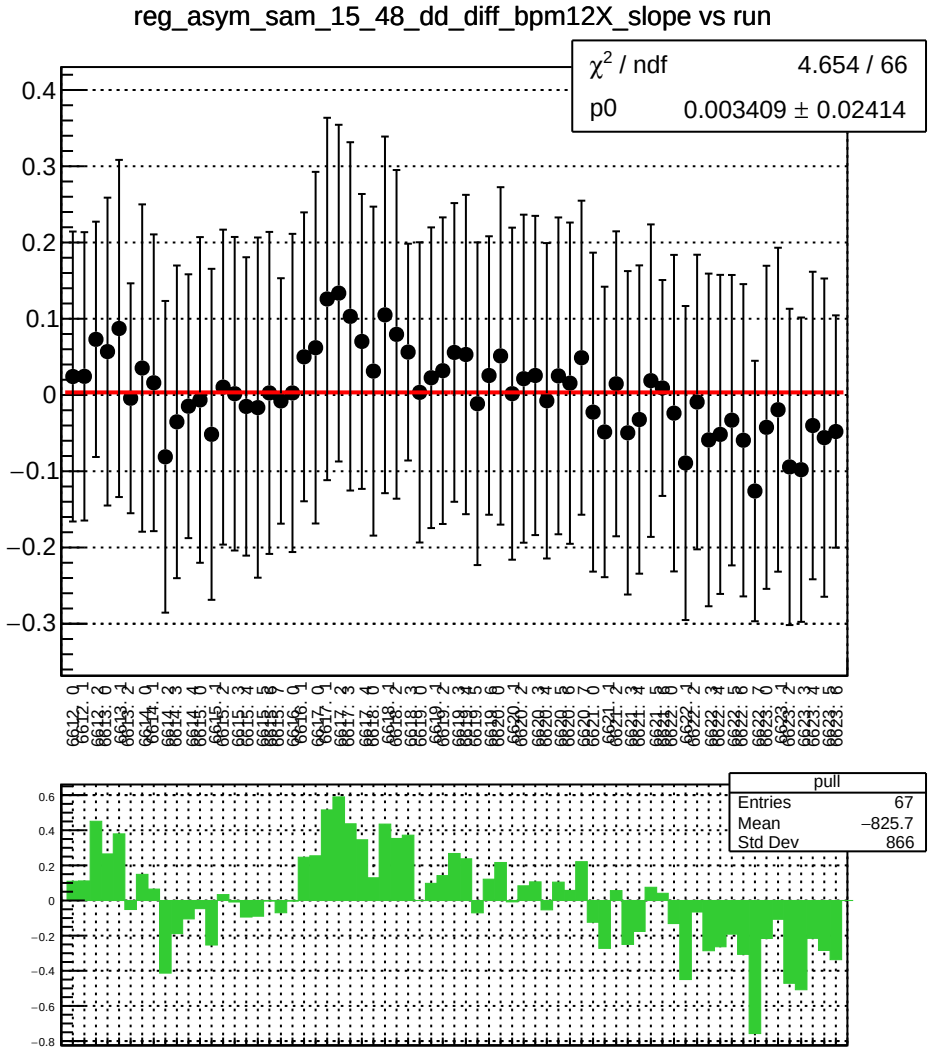

pull1D
Entries 67
Mean 0.003731
Std Dev 0.624

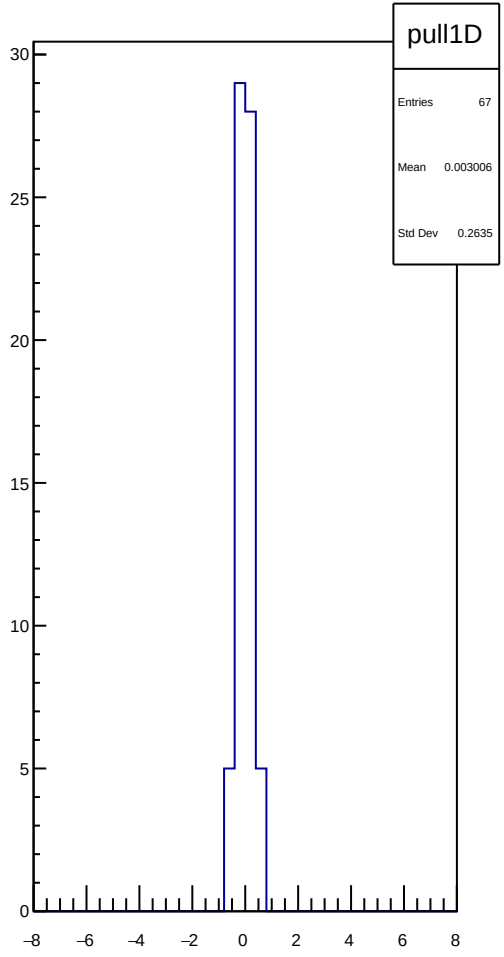

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 46.28 / 66
p0 44.66 ± 0.6008
pull
Entries 67
Mean 96.16
Std Dev 39.84

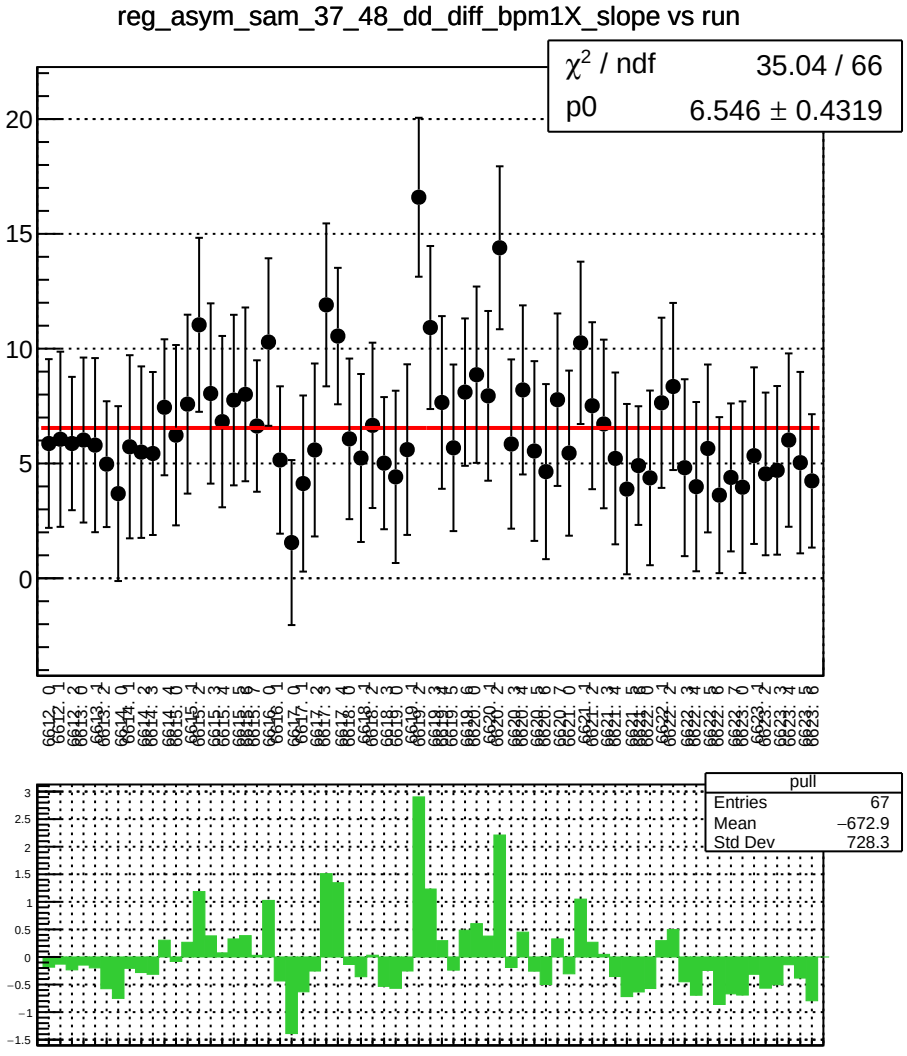

pull1D
Entries 67
Mean 0.03077
Std Dev 0.8306

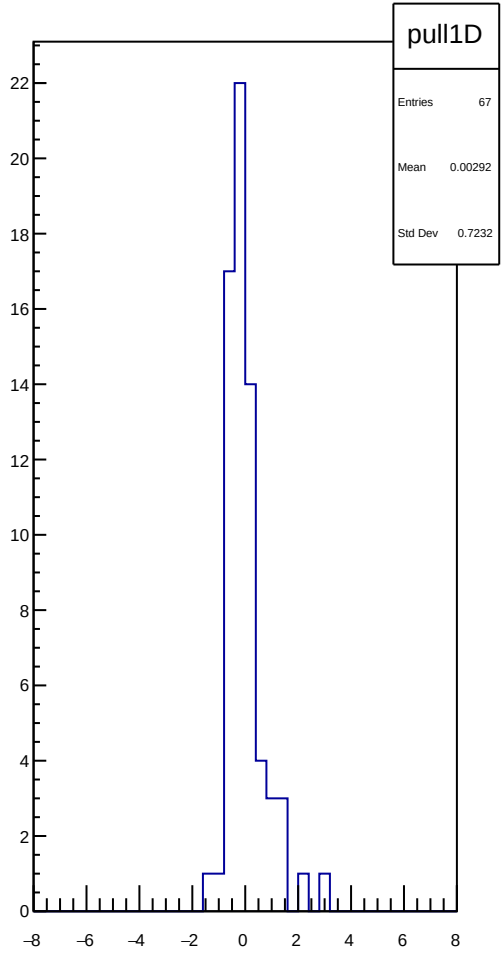

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.34 / 66
p0 −38.37 ± 0.4643
pull
Entries 67
Mean −2.508
Std Dev 61.8

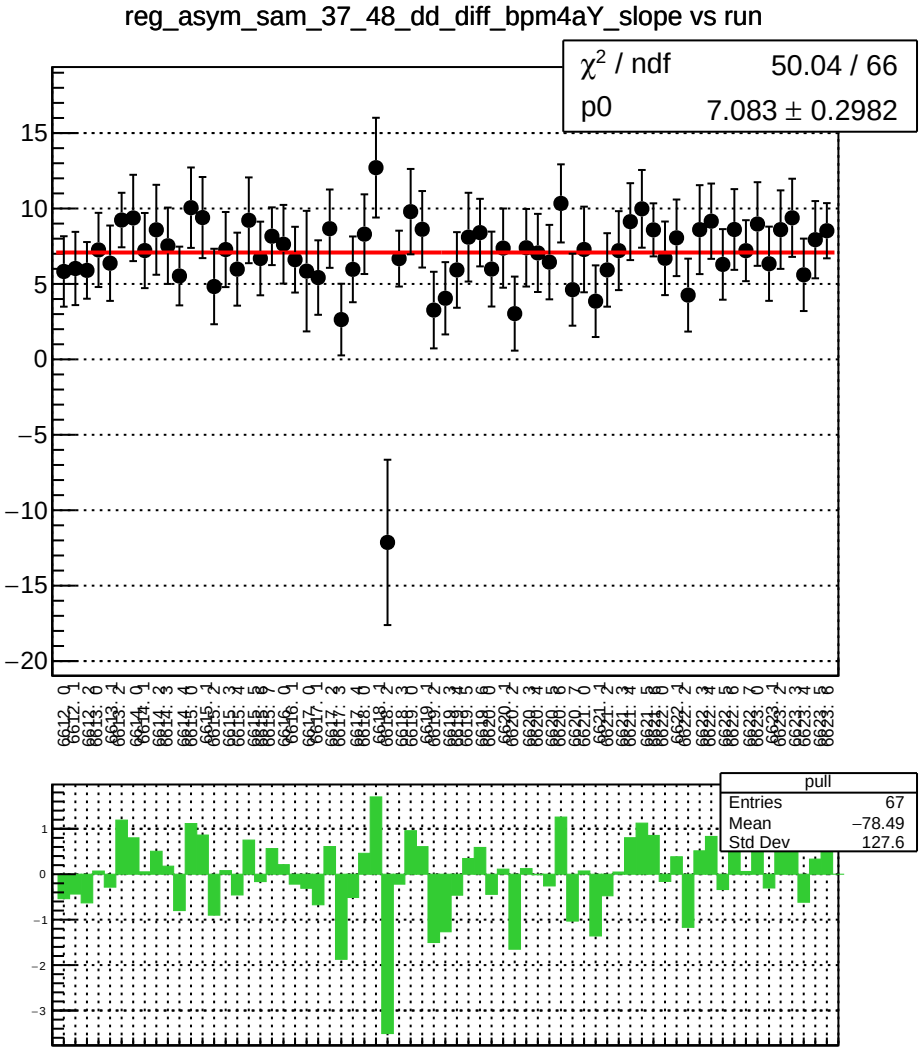

pull1D
Entries 67
Mean −0.01391
Std Dev 0.7363

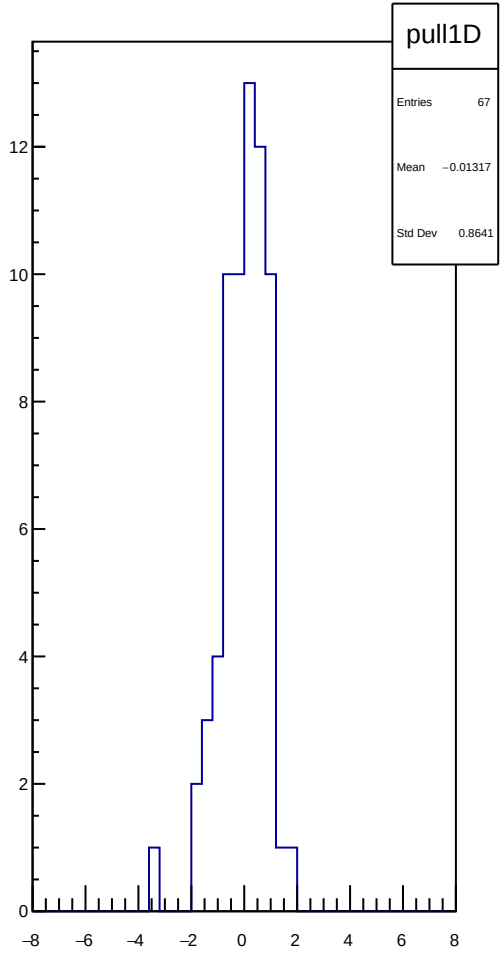

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 4.654 / 66
p0 0.003409 ± 0.02414
pull
Entries 67
Mean −825.7
Std Dev 866

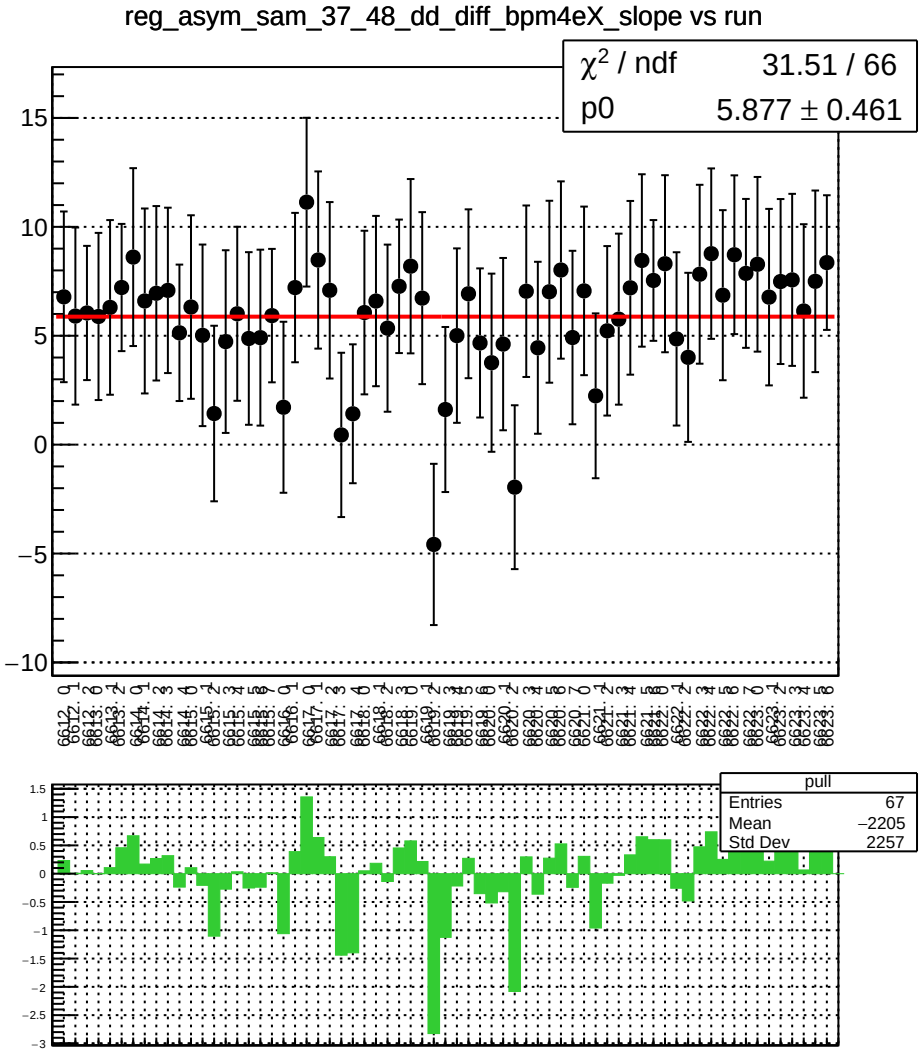

pull1D
Entries 67
Mean 0.003006
Std Dev 0.2635

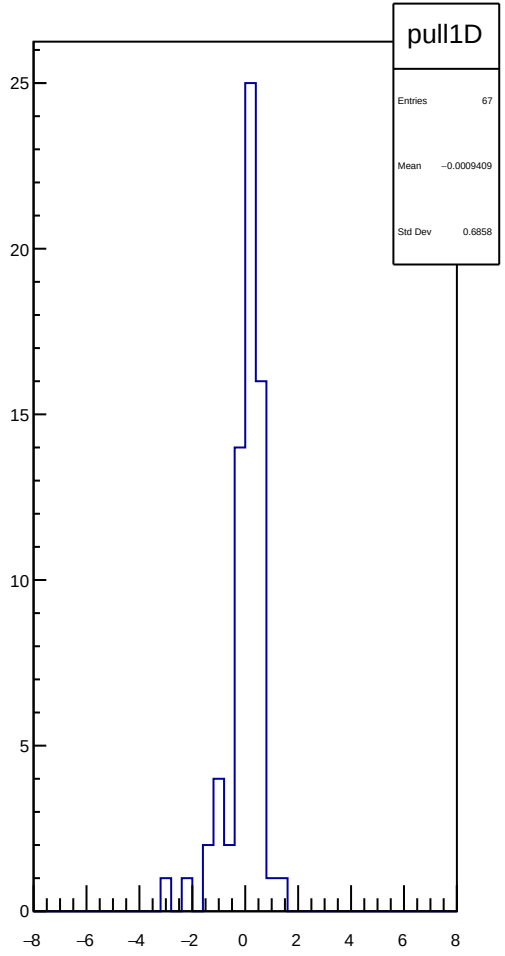

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 35.04 / 66
p0 6.546 ± 0.4319
pull
Entries 67
Mean −672.9
Std Dev 728.3

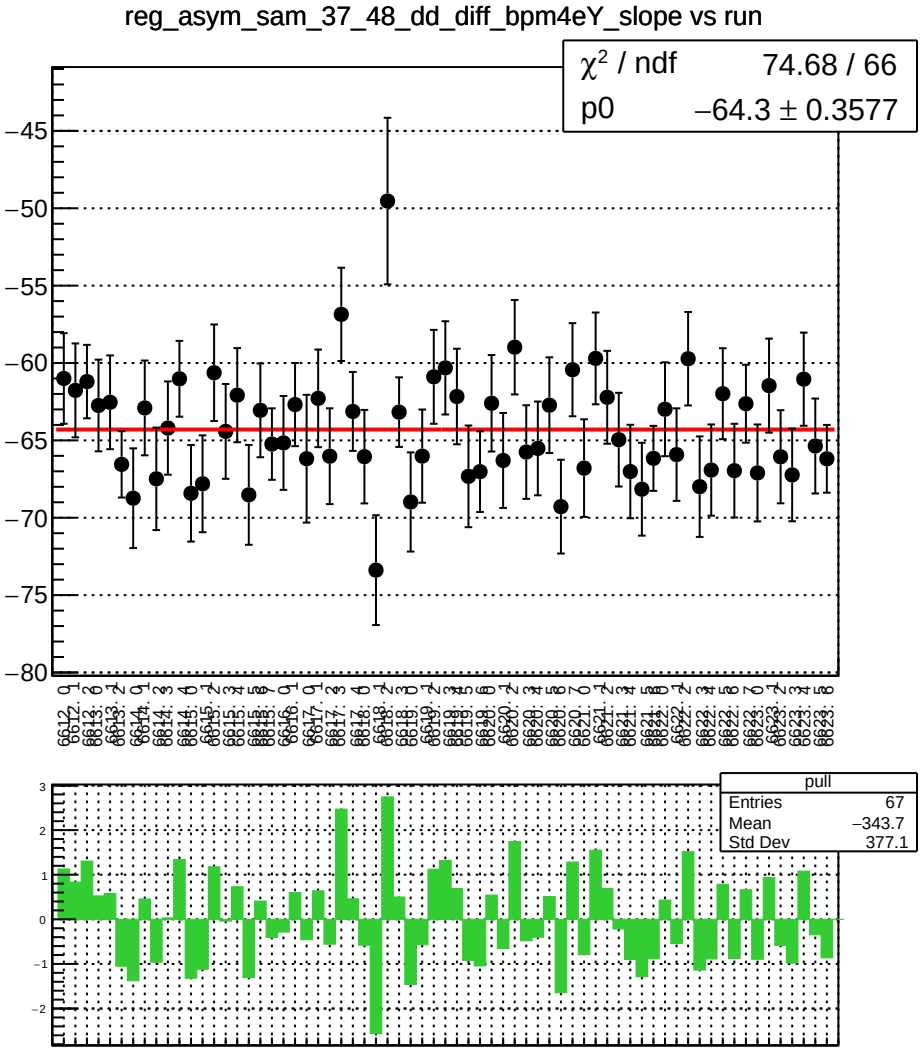

pull1D
Entries 67
Mean 0.00292
Std Dev 0.7232

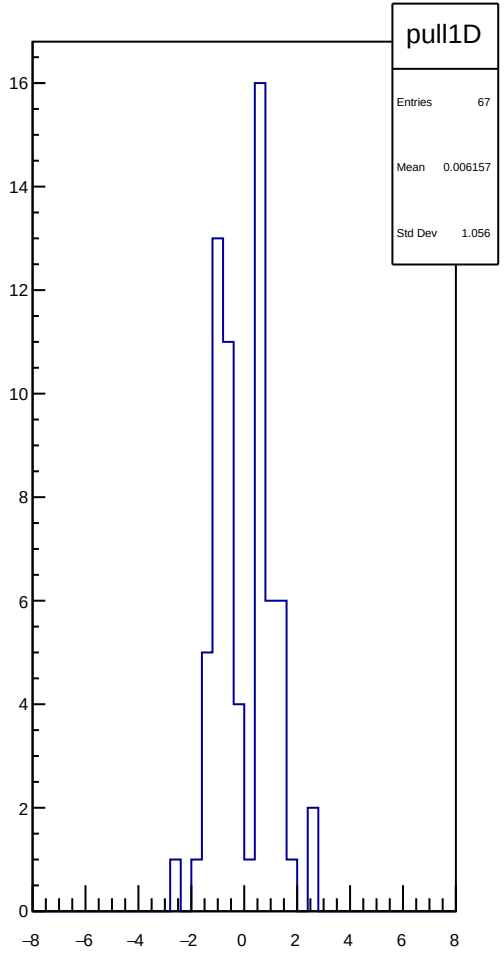

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.04 / 66
p0 7.083 ± 0.2982
pull
Entries 67
Mean −78.49
Std Dev 127.6

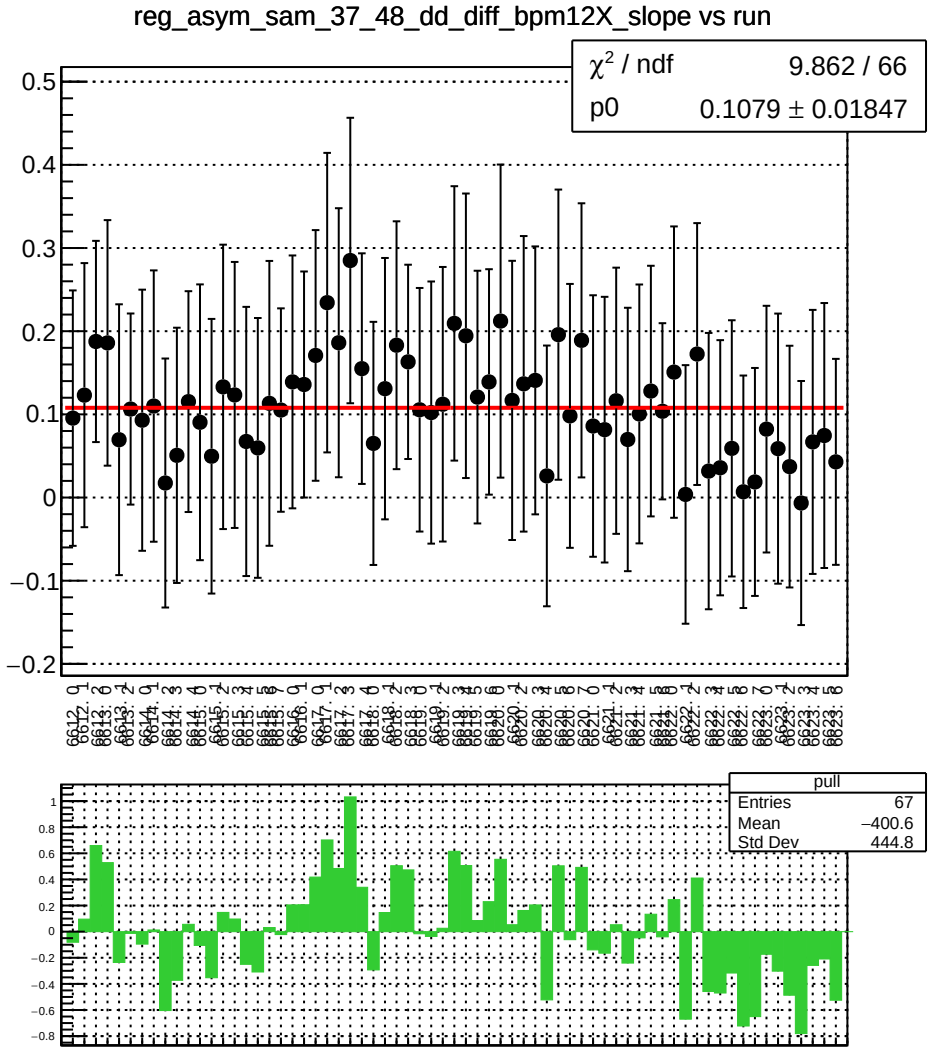

pull1D
Entries 67
Mean −0.01317
Std Dev 0.8641

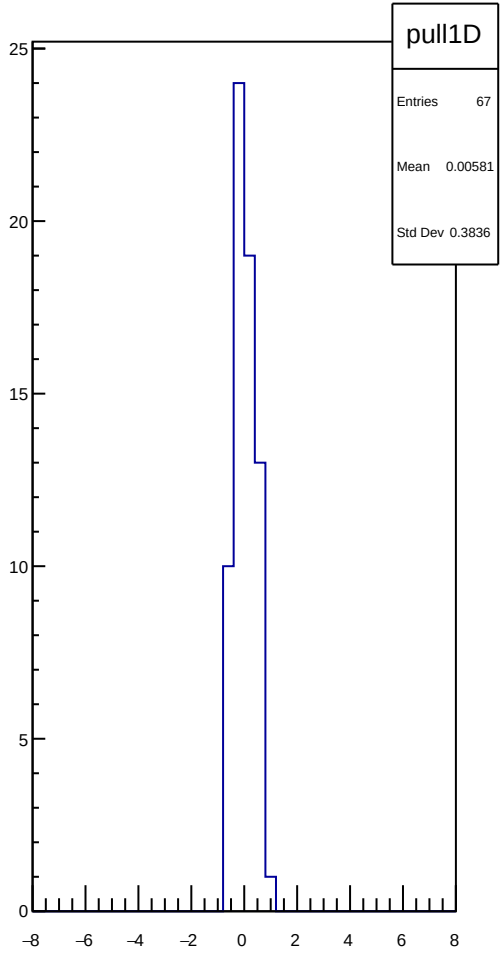

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.51 / 66
p0 5.877 ± 0.461
pull
Entries 67
Mean −2205
Std Dev 2257

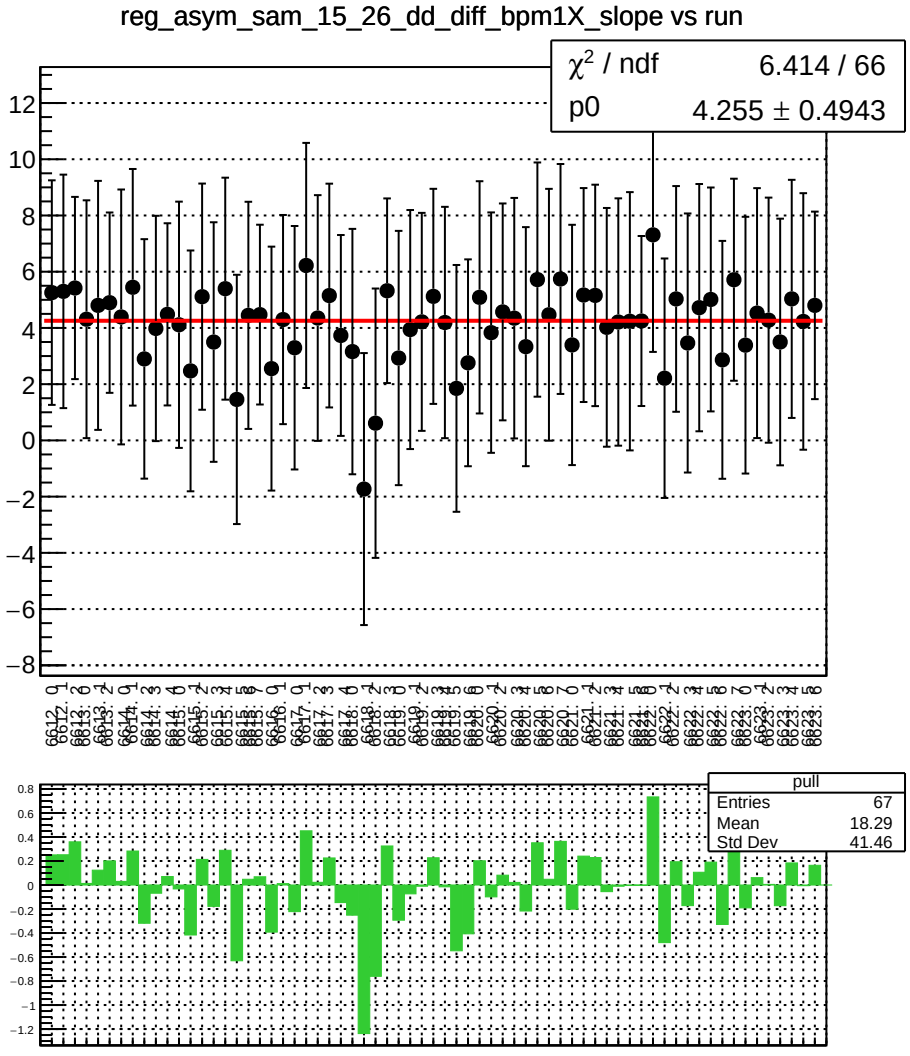

pull1D
Entries 67
Mean −0.0009409
Std Dev 0.6858

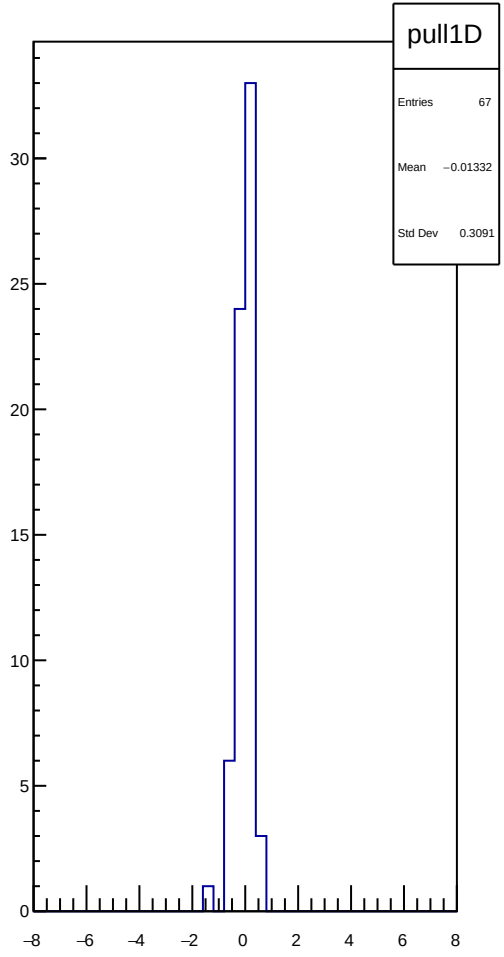

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.68 / 66
p0 −64.3 ± 0.3577
pull
Entries 67
Mean −343.7
Std Dev 377.1

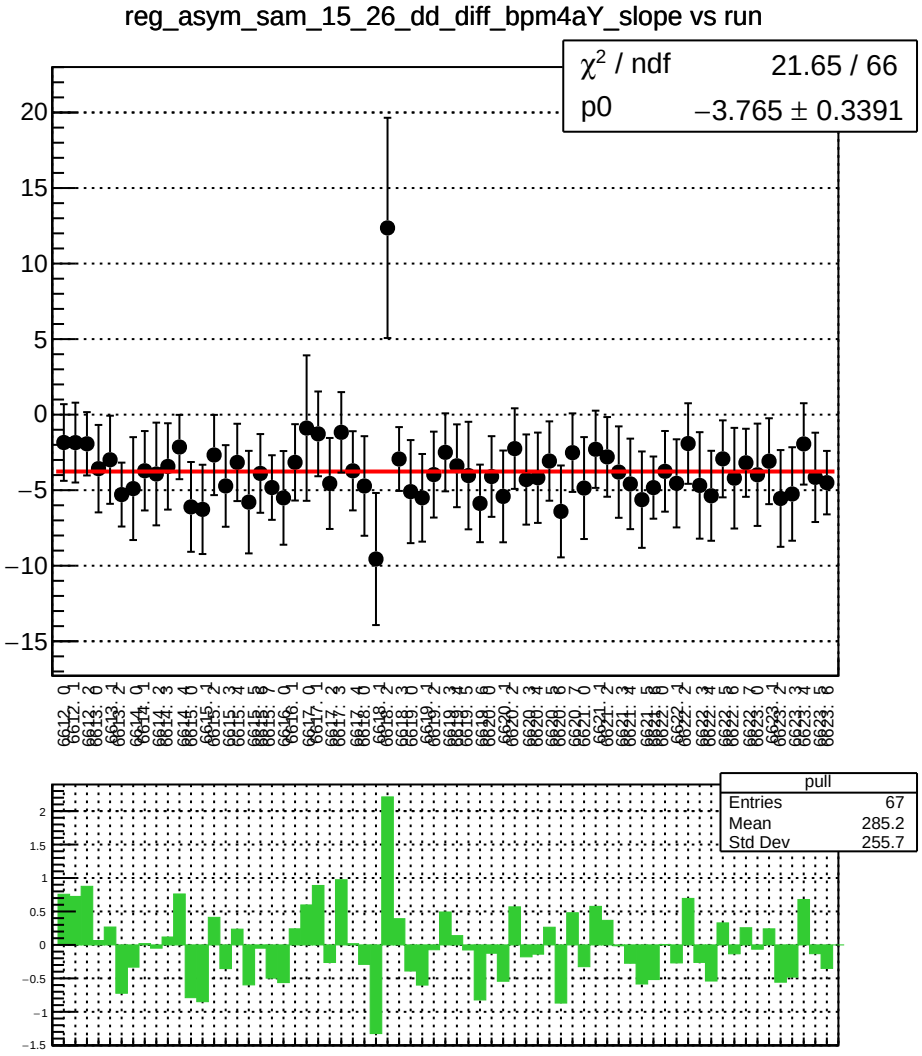

pull1D
Entries 67
Mean 0.006157
Std Dev 1.056

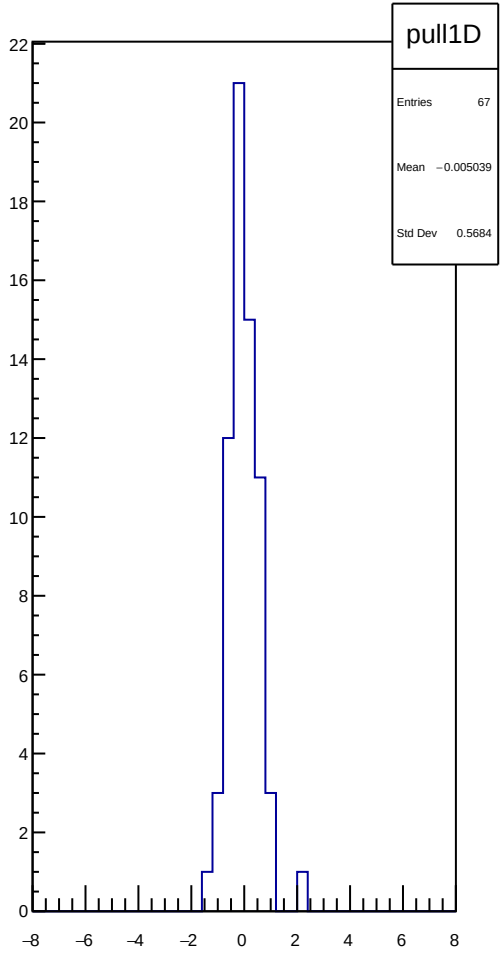

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.862 / 66
p0 0.1079 ± 0.01847
pull
Entries 67
Mean −400.6
Std Dev 444.8

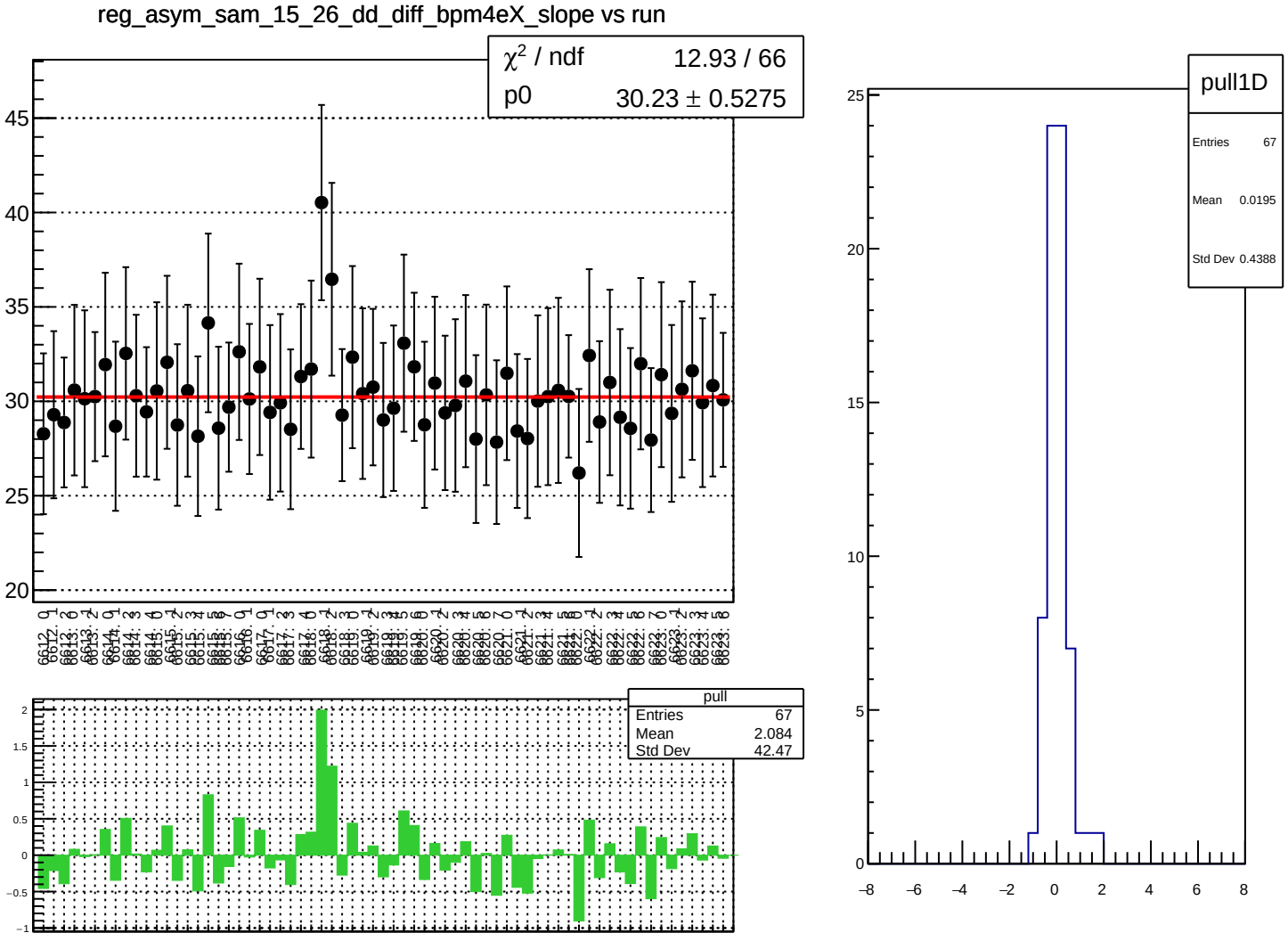

pull1D
Entries 67
Mean 0.00581
Std Dev 0.3836

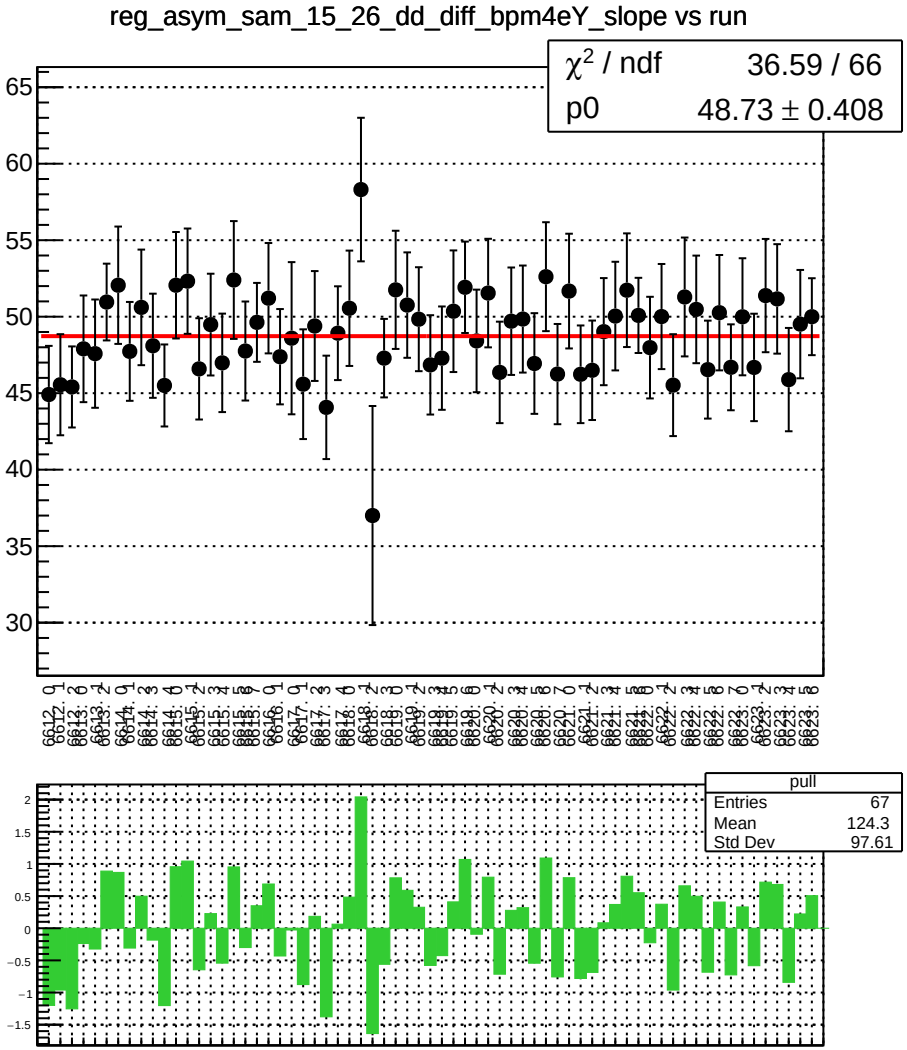

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 6.414 / 66
p0 4.255 ± 0.4943
pull
Entries 67
Mean 18.29
Std Dev 41.46

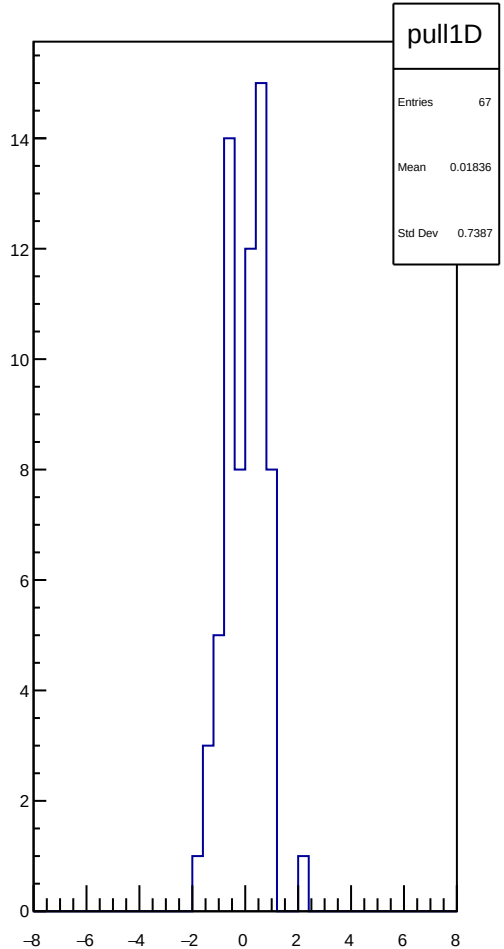

pull1D
Entries 67
Mean −0.01332
Std Dev 0.3091

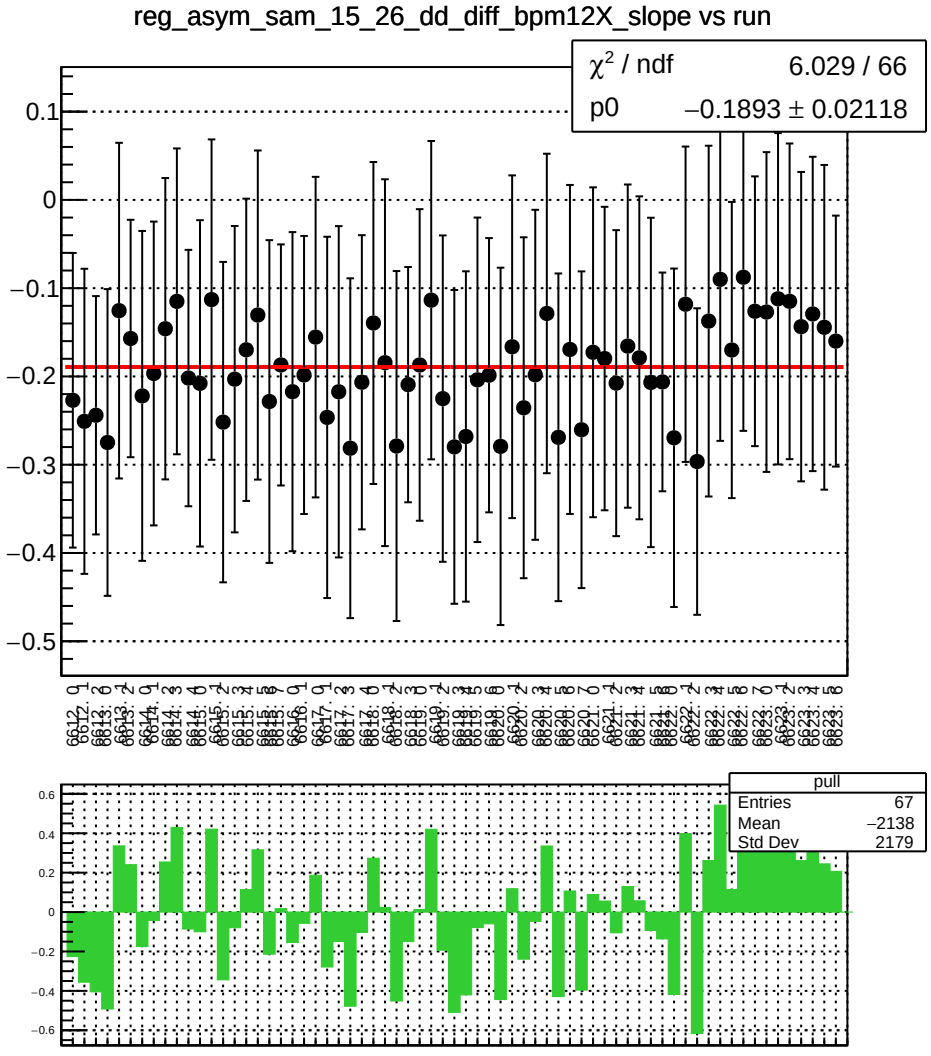

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.65 / 66
p0 −3.765 ± 0.3391
pull
Entries 67
Mean 285.2
Std Dev 255.7

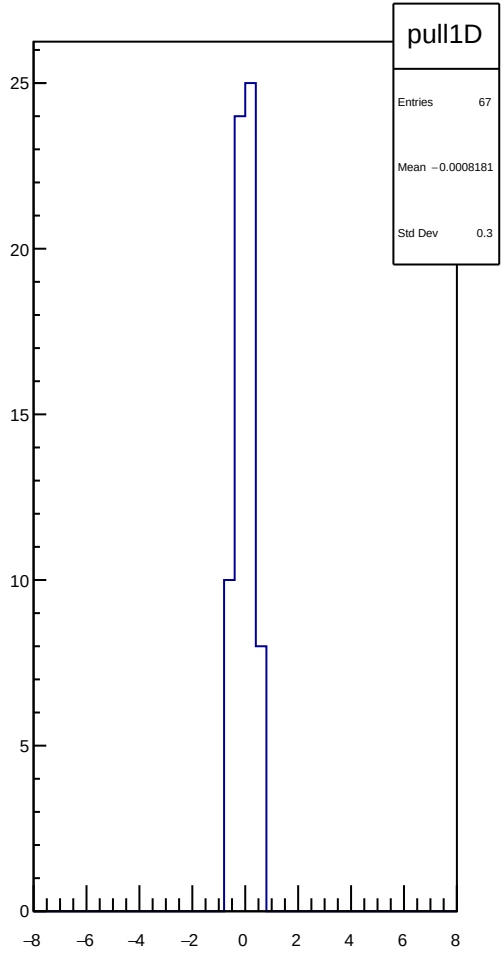

pull1D
Entries 67
Mean −0.005039
Std Dev 0.5684

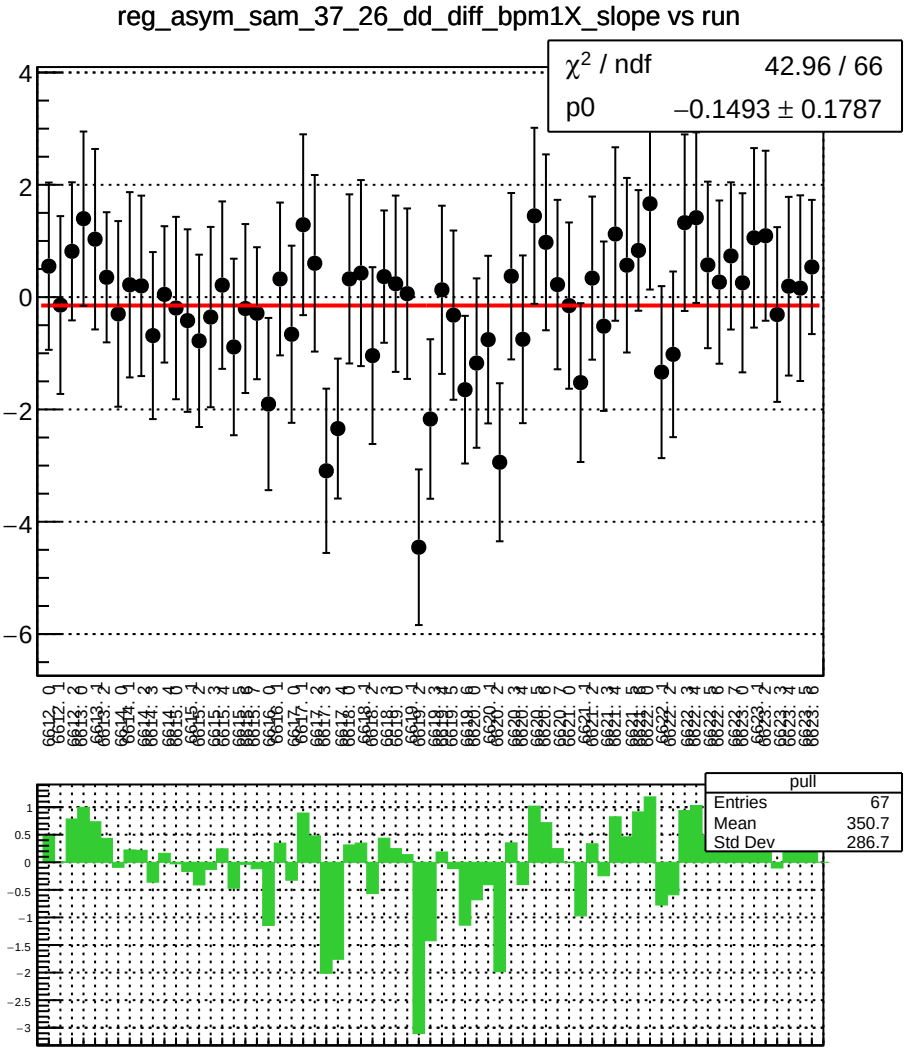

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.93 / 66
p0 30.23 ± 0.5275
pull
Entries 67
Mean 2.084
Std Dev 42.47
pull1D
Entries 67
Mean 0.0195
Std Dev 0.4388

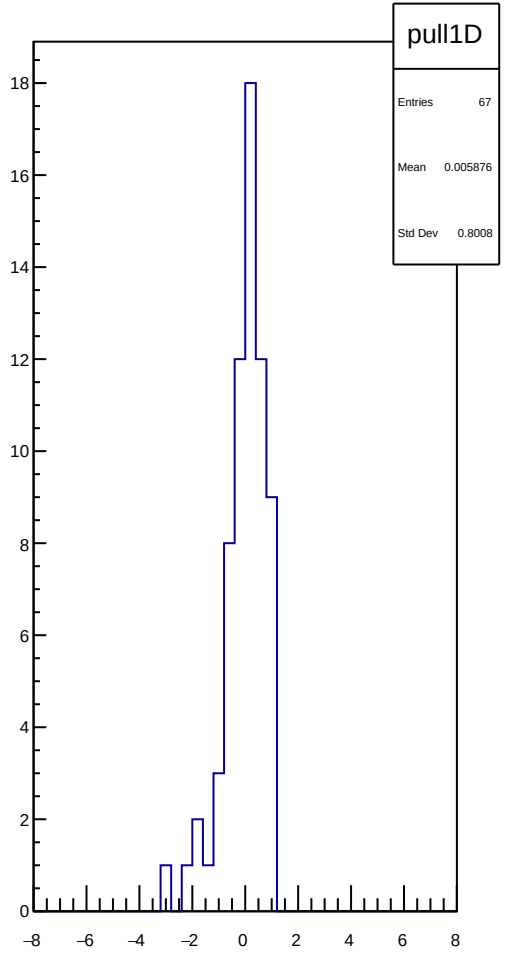

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 36.59 / 66
p0 48.73 ± 0.408
pull
Entries 67
Mean 124.3
Std Dev 97.61


pull1D
Entries 67
Mean 0.01836
Std Dev 0.7387

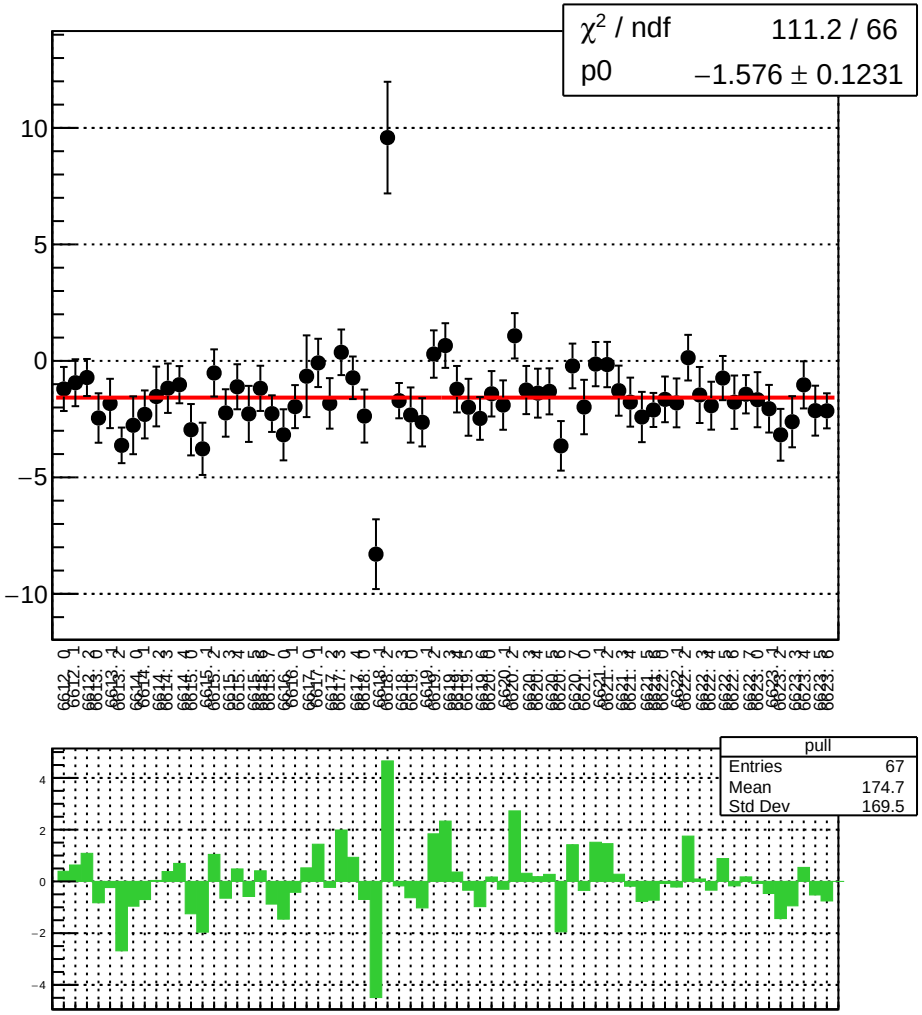

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.029 / 66
p0 −0.1893 ± 0.02118
pull
Entries 67
Mean −2138
Std Dev 2179

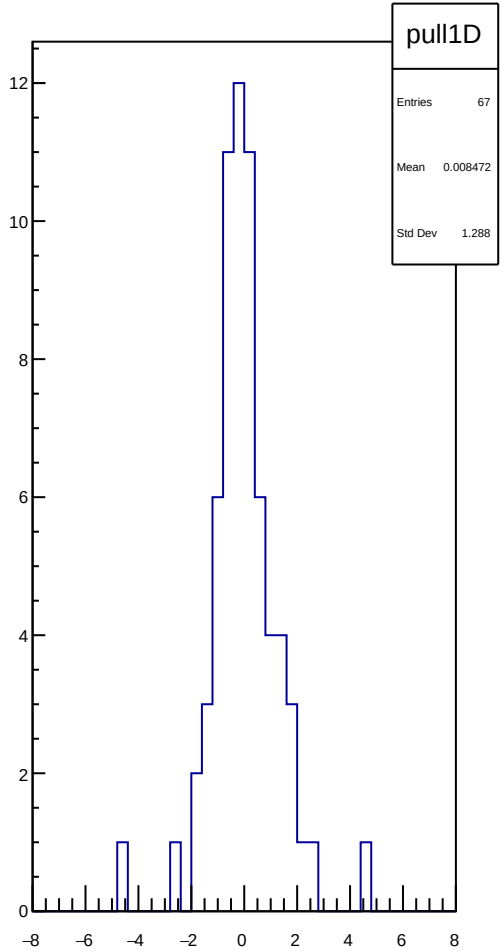

pull1D
Entries 67
Mean −0.0008181
Std Dev 0.3

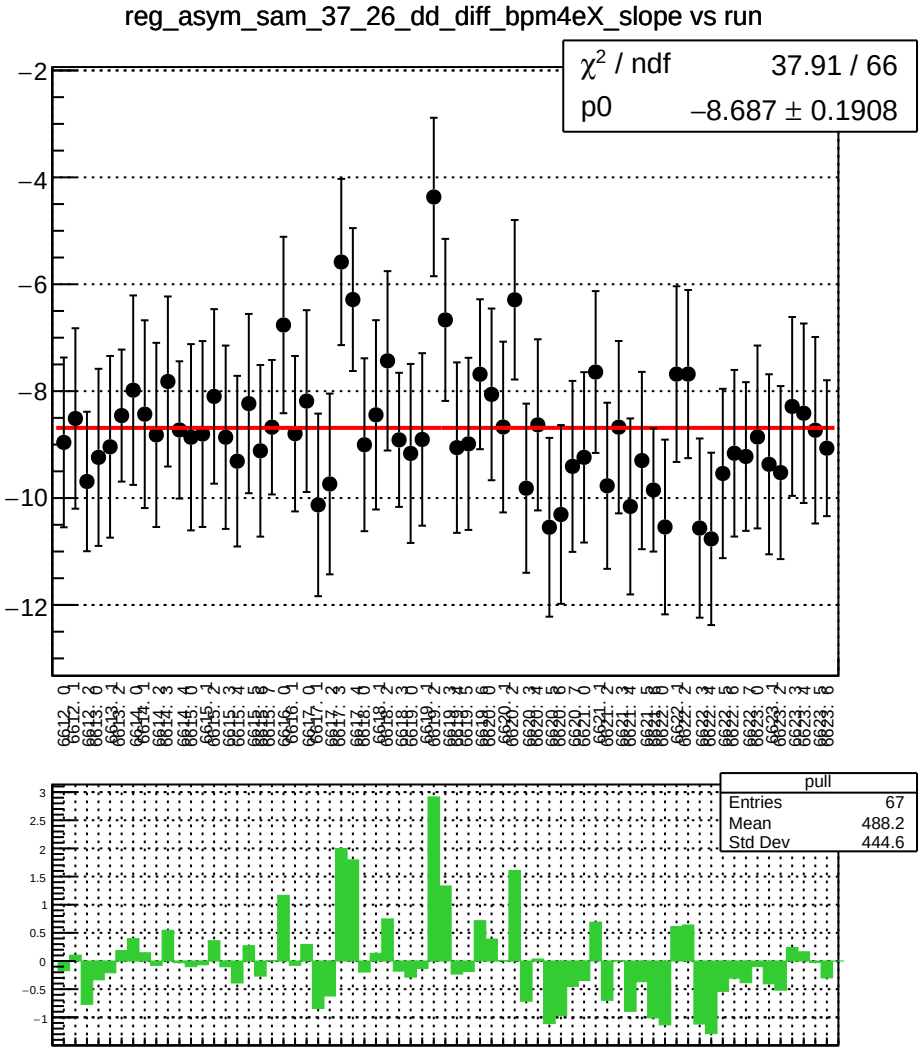

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 42.96 / 66
p0 −0.1493 ± 0.1787
pull
Entries 67
Mean 350.7
Std Dev 286.7

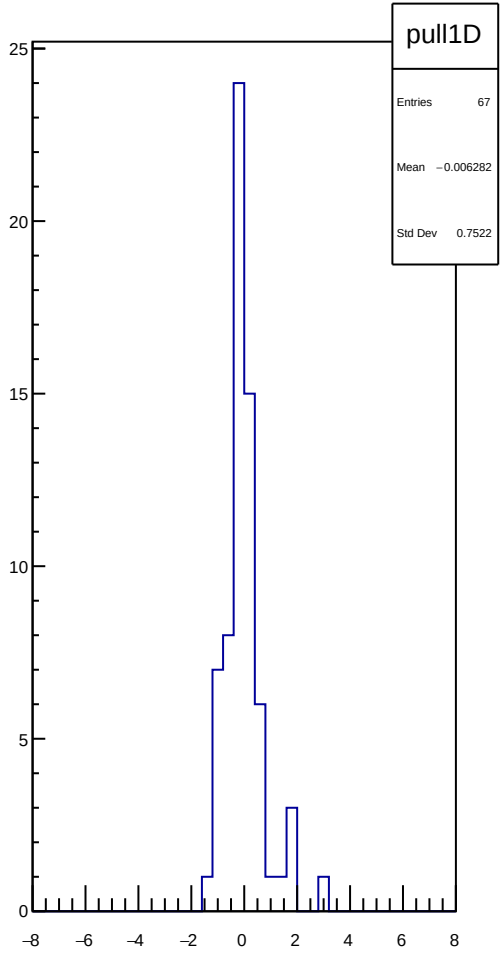

pull1D
Entries 67
Mean 0.005876
Std Dev 0.8008

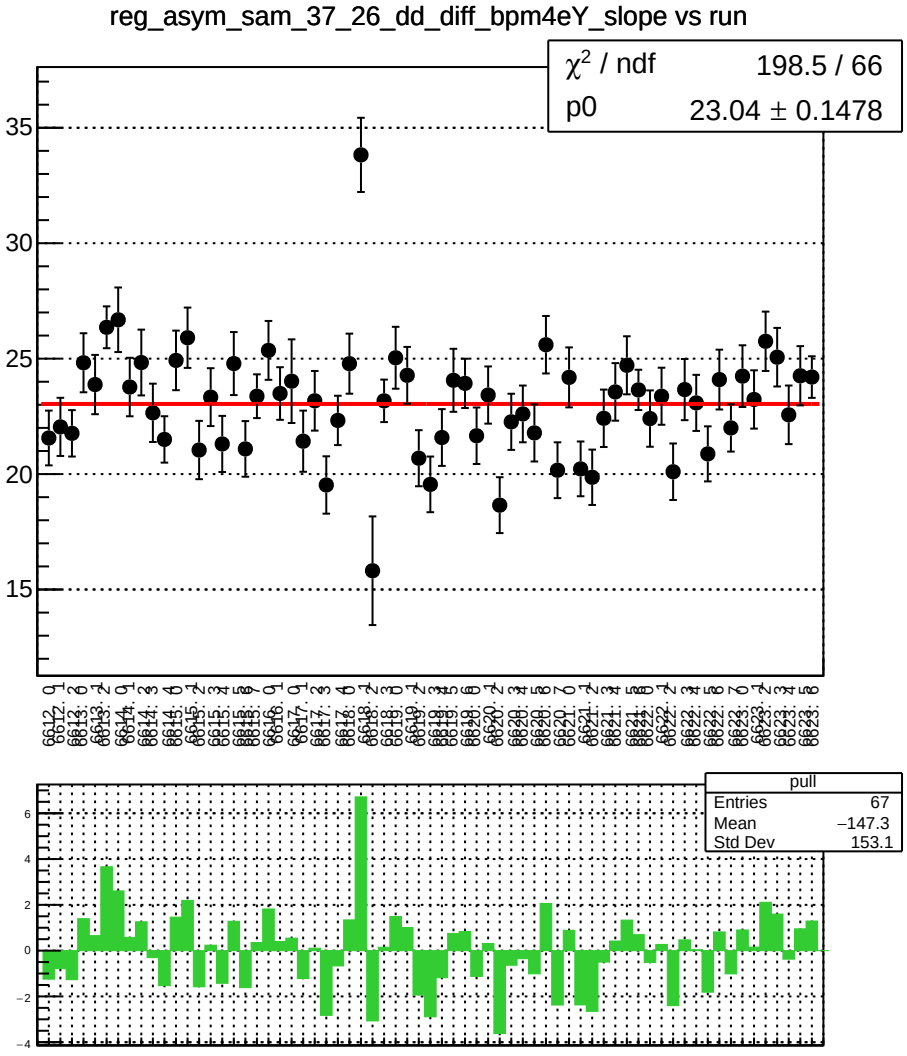
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run

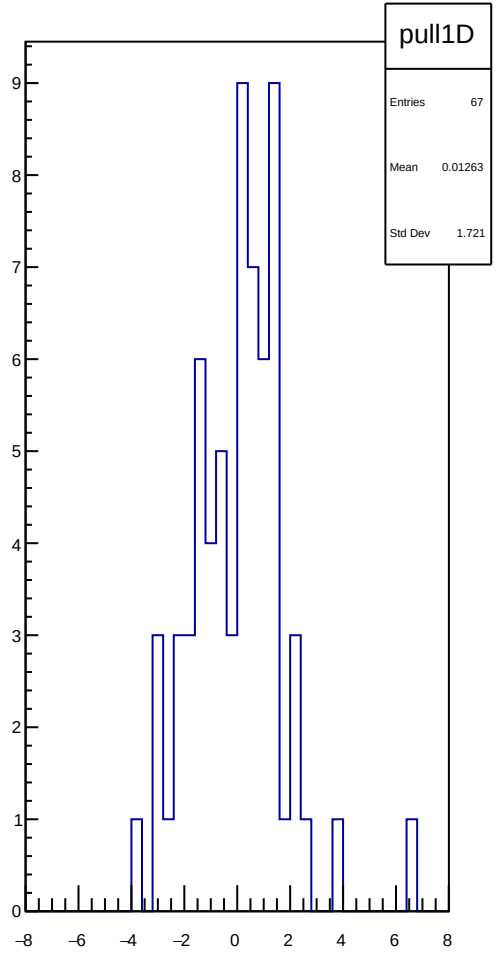


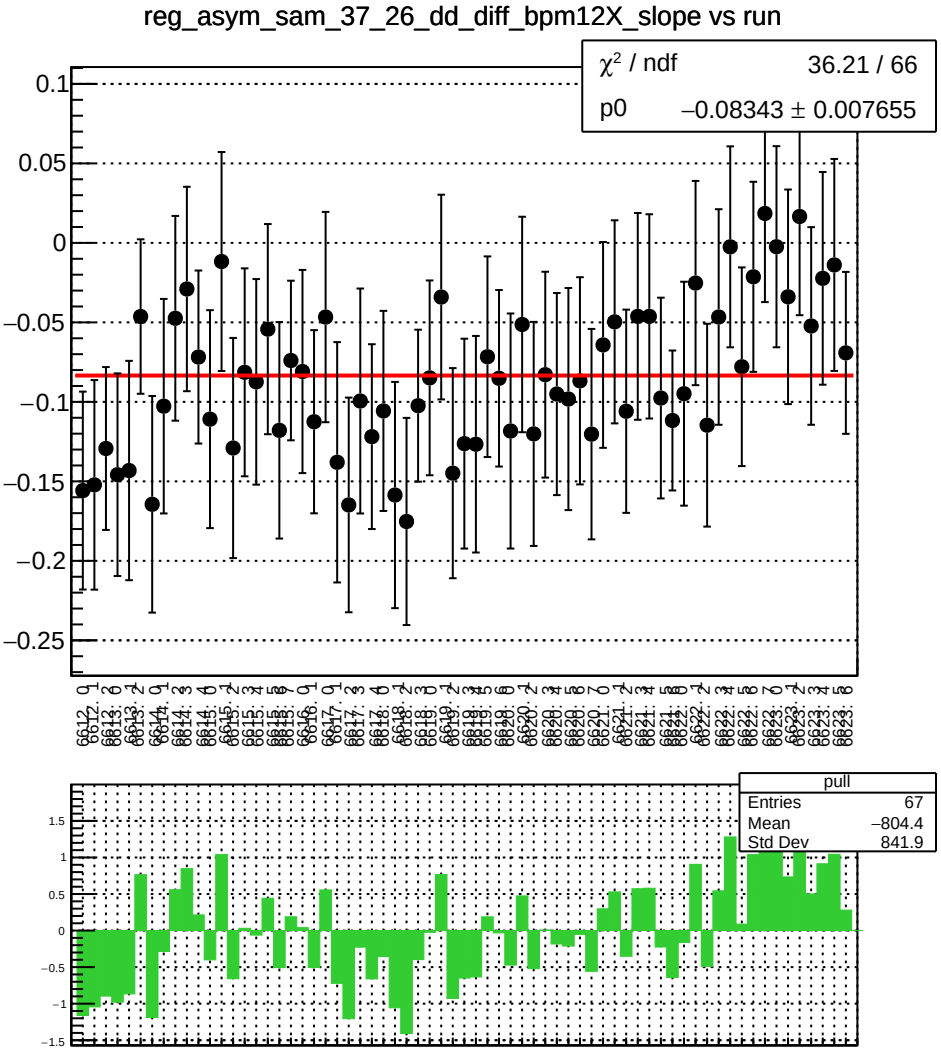


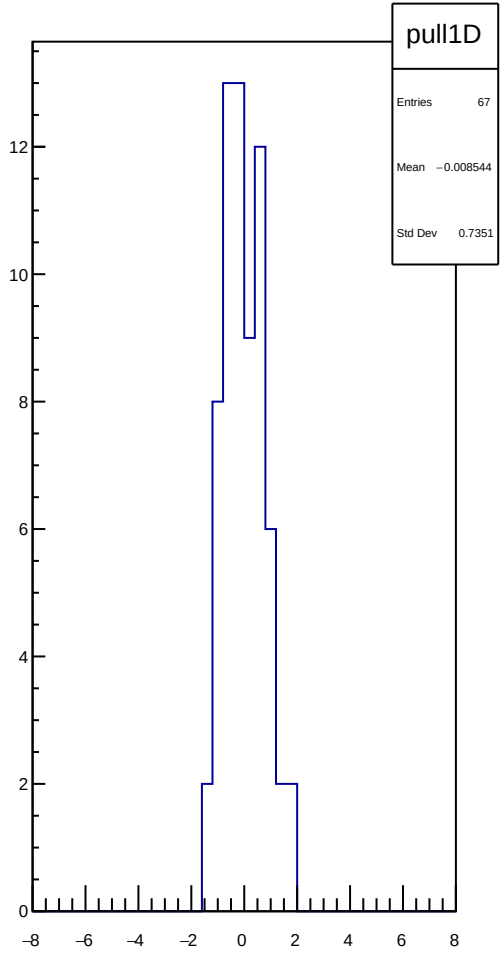

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.91 / 66
p0 −8.687 ± 0.1908
pull
Entries 67
Mean 488.2
Std Dev 444.6

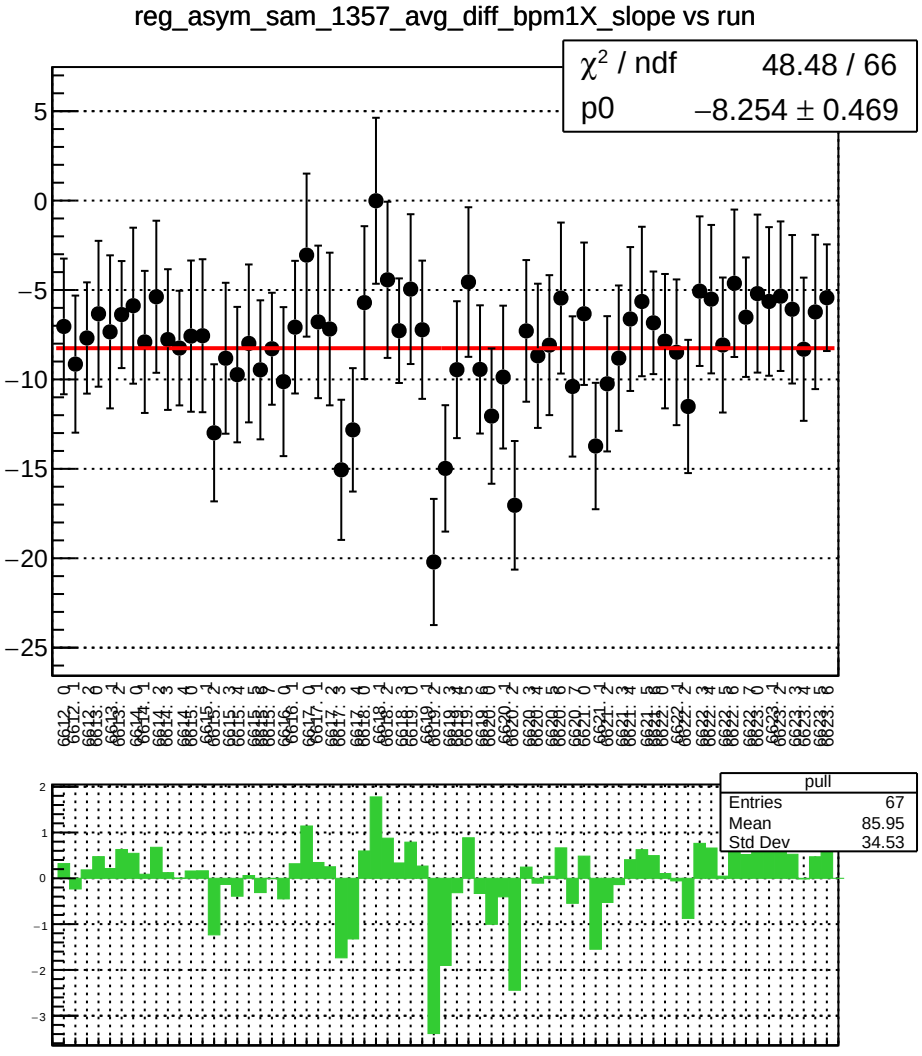

pull1D
Entries 67
Mean −0.006282
Std Dev 0.7522

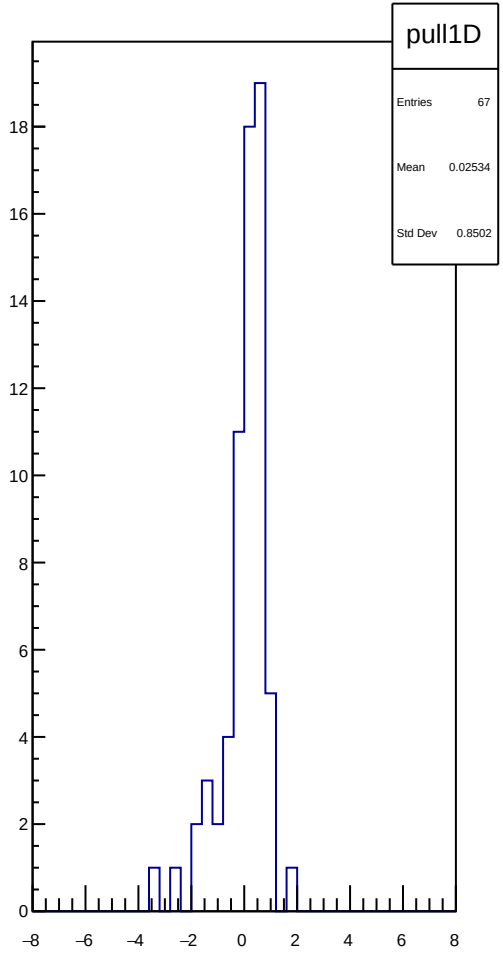

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 198.5 / 66
p0 23.04 ± 0.1478
pull
Entries 67
Mean −147.3
Std Dev 153.1

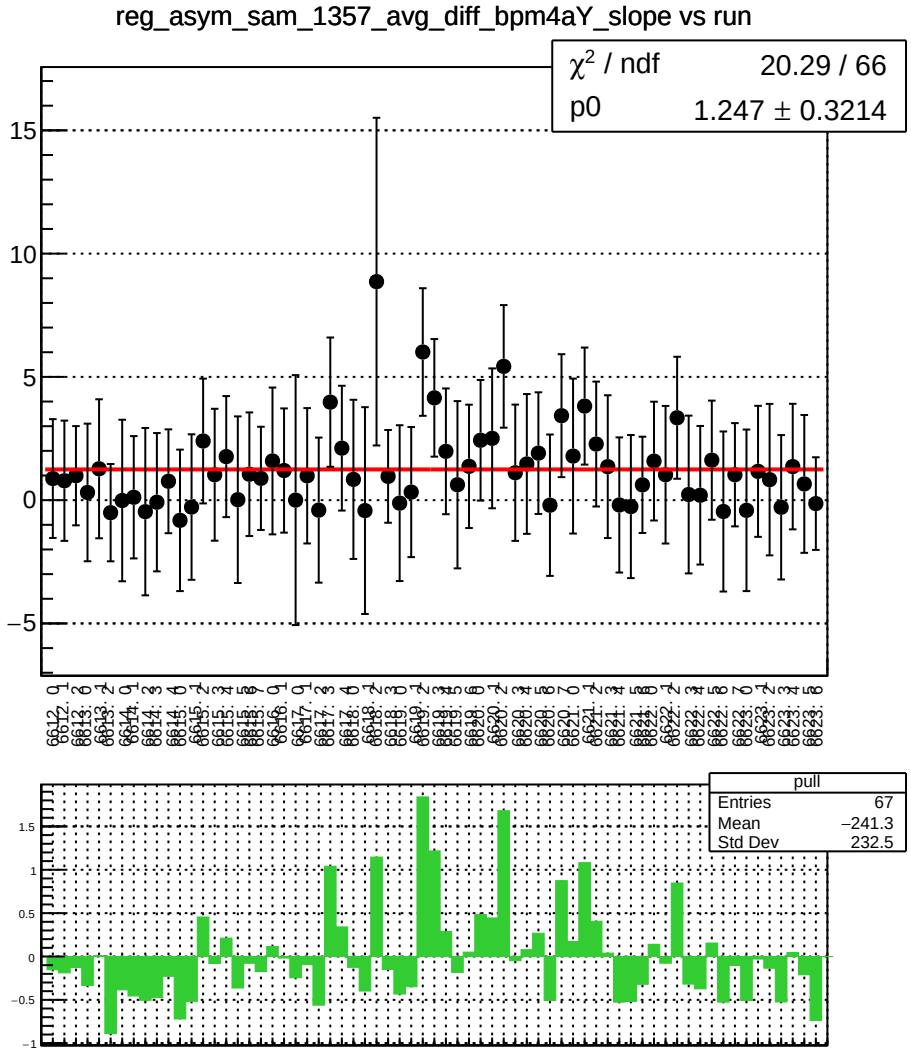

pull1D
Entries 67
Mean 0.01263
Std Dev 1.721

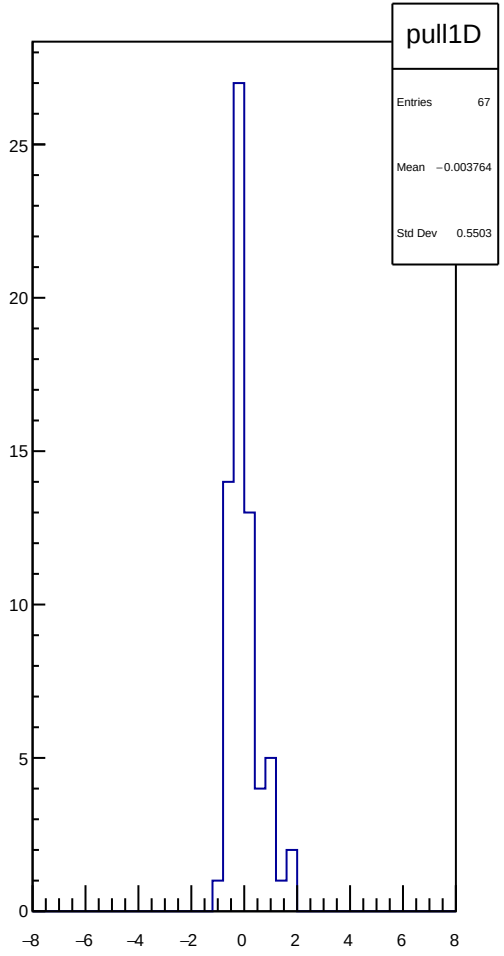

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 36.21 / 66
p0 −0.08343 ± 0.007655
pull
Entries 67
Mean −804.4
Std Dev 841.9

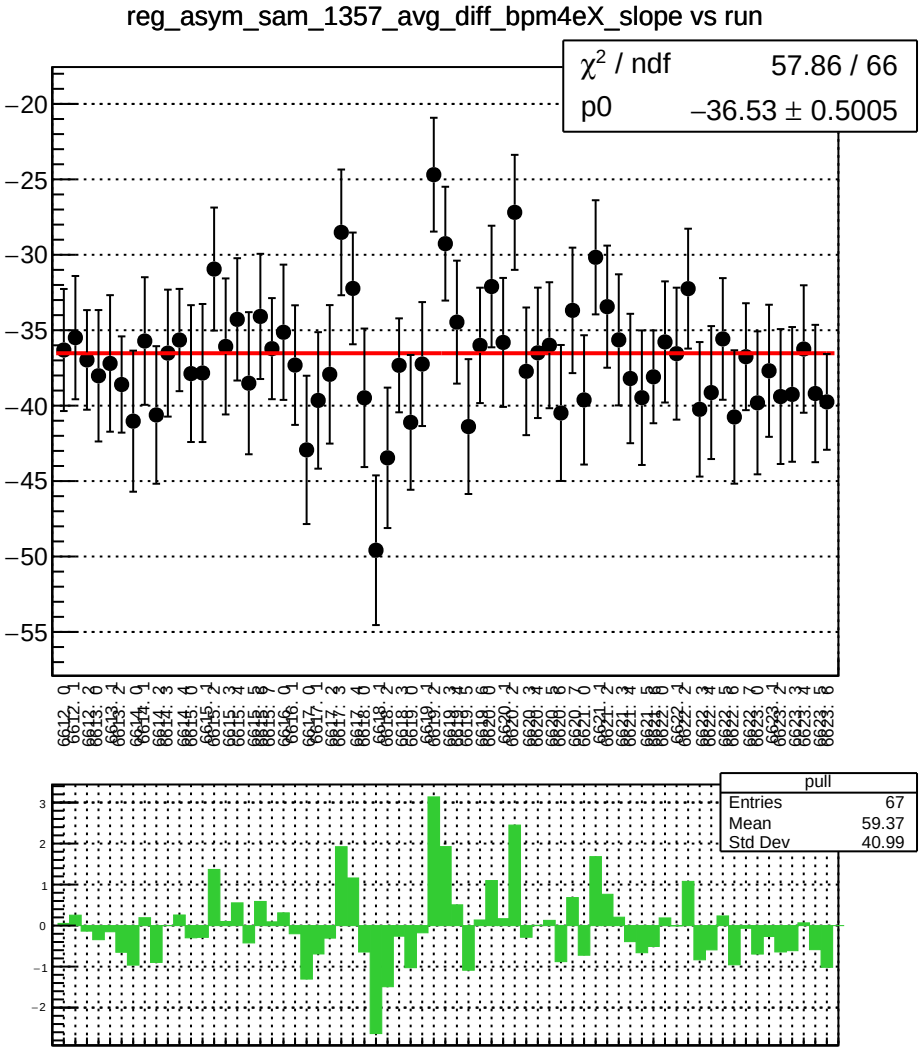

pull1D
Entries 67
Mean −0.008544
Std Dev 0.7351

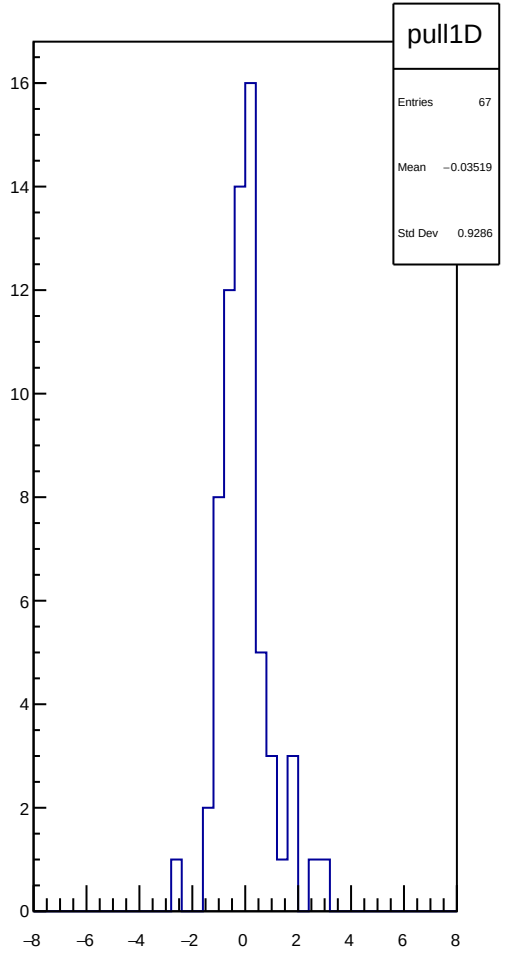

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 48.48 / 66
p0 −8.254 ± 0.469
pull
Entries 67
Mean 85.95
Std Dev 34.53

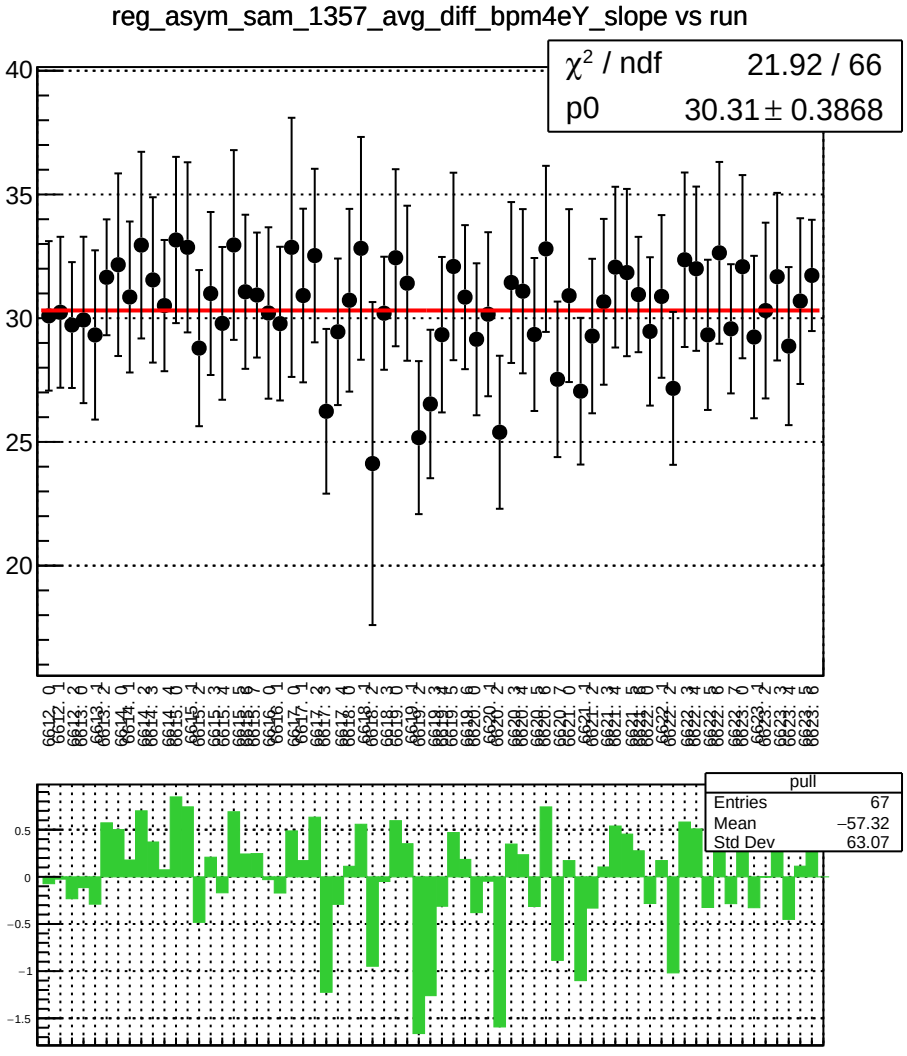

pull1D
Entries 67
Mean 0.02534
Std Dev 0.8502

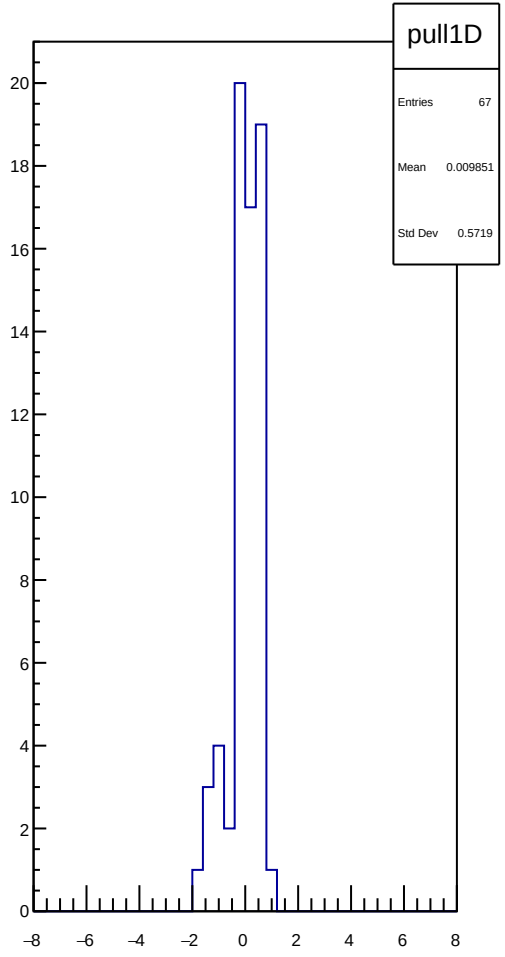

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.29 / 66
p0 1.247 ± 0.3214
pull
Entries 67
Mean −241.3
Std Dev 232.5

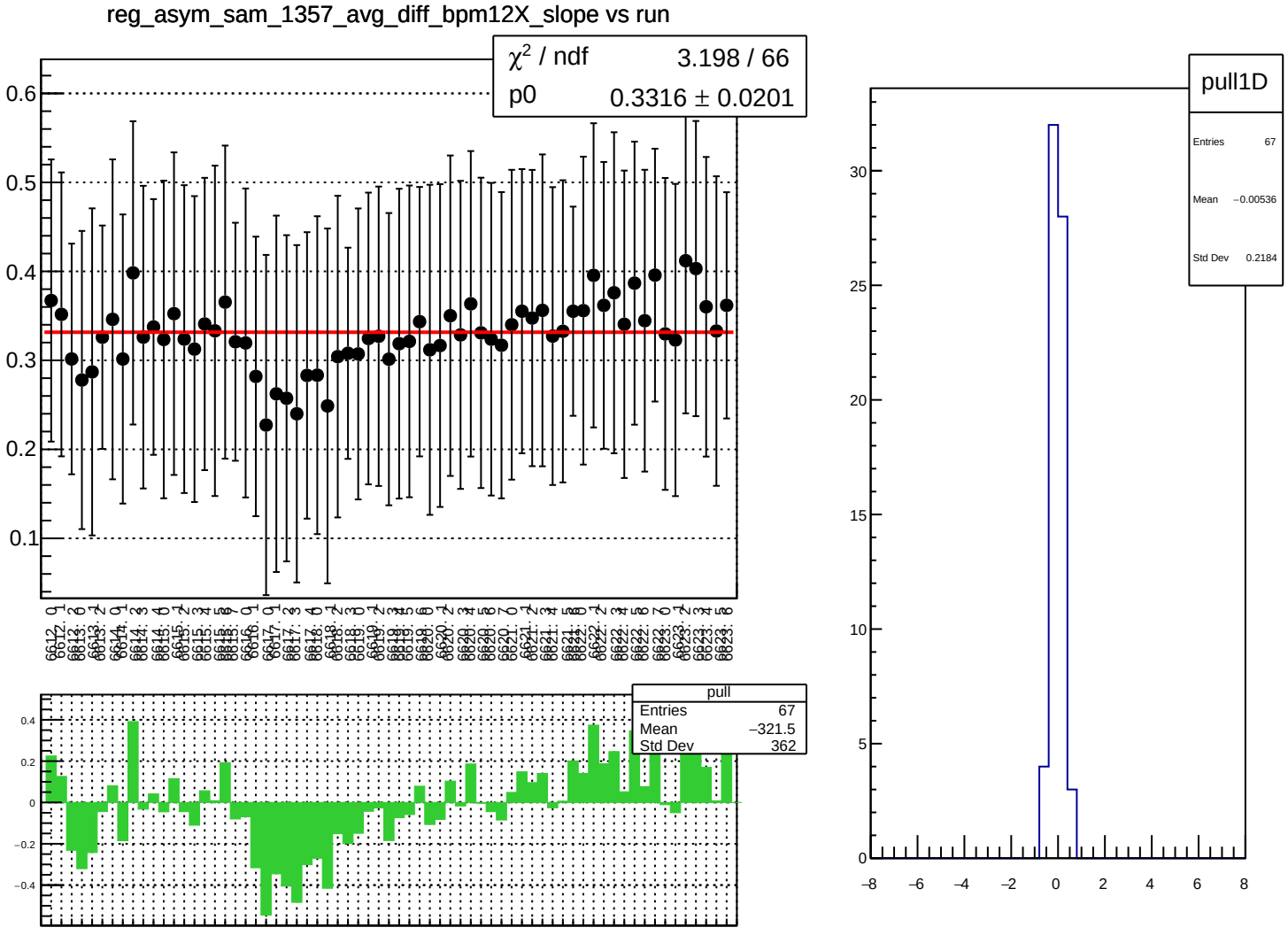

pull1D
Entries 67
Mean −0.003764
Std Dev 0.5503

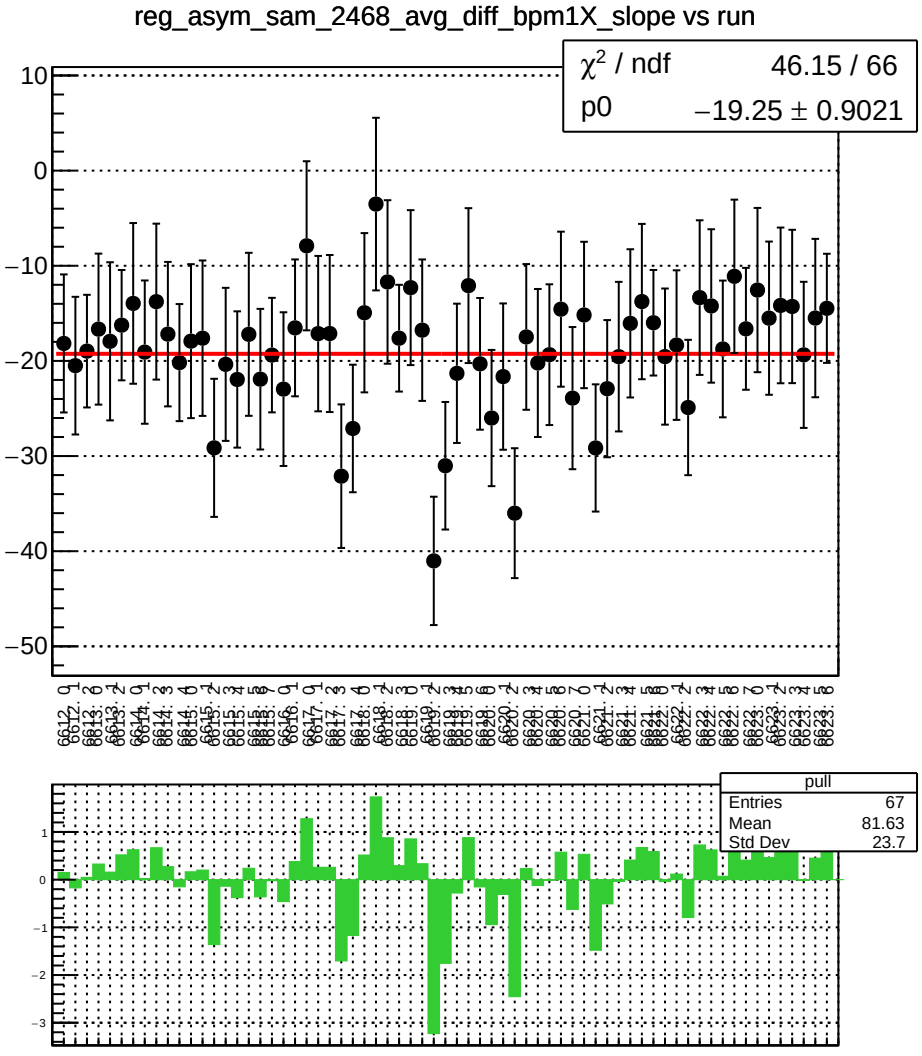

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.86 / 66
p0 −36.53 ± 0.5005
pull
Entries 67
Mean 59.37
Std Dev 40.99

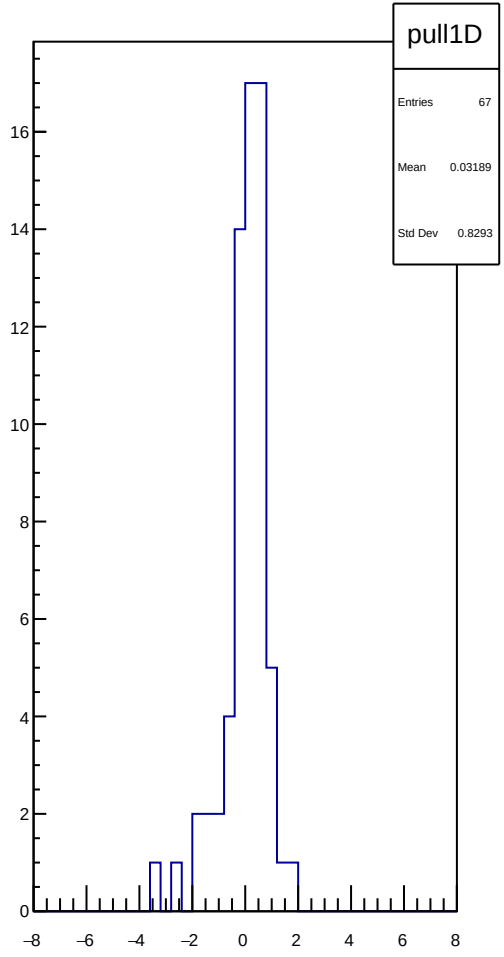

pull1D
Entries 67
Mean −0.03519
Std Dev 0.9286

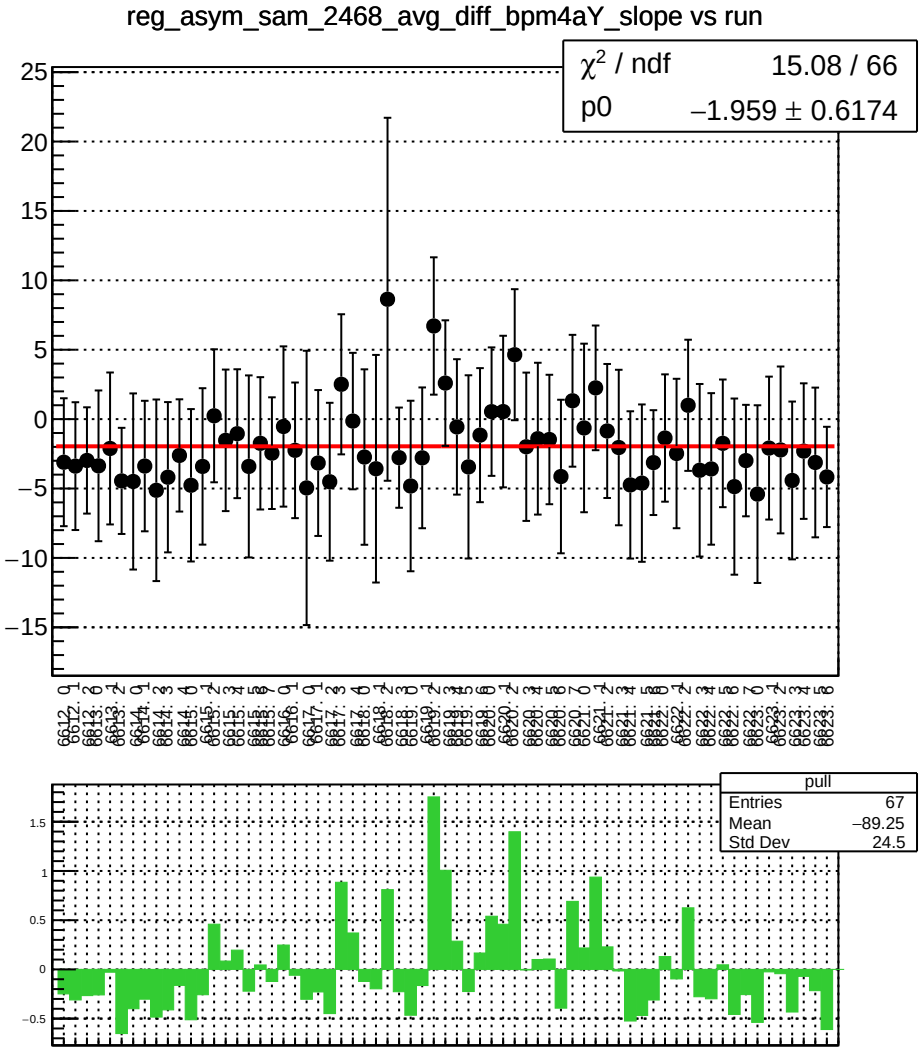

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 21.92 / 66
p0 30.31 ± 0.3868
pull
Entries 67
Mean −57.32
Std Dev 63.07

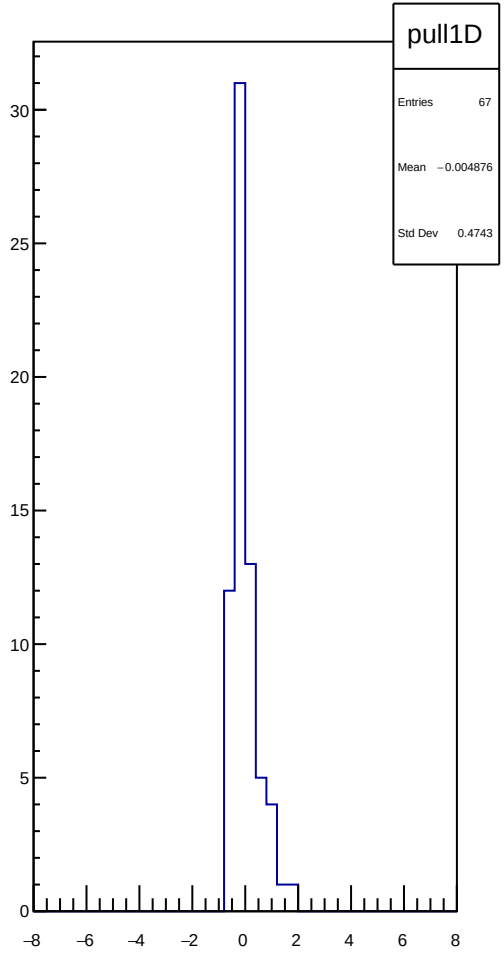

pull1D
Entries 67
Mean 0.009851
Std Dev 0.5719

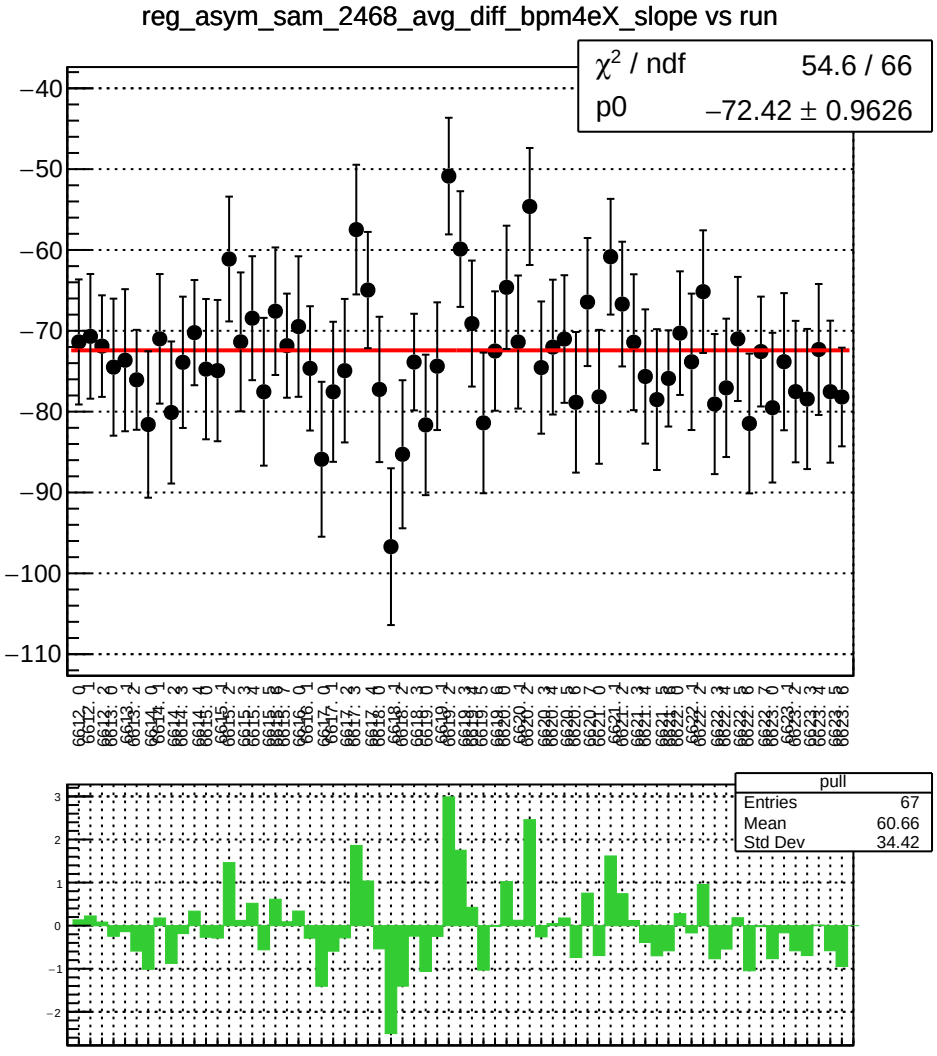

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.198 / 66
p0 0.3316 ± 0.0201
pull
Entries 67
Mean −321.5
Std Dev 362
pull1D
Entries 67
Mean −0.00536
Std Dev 0.2184

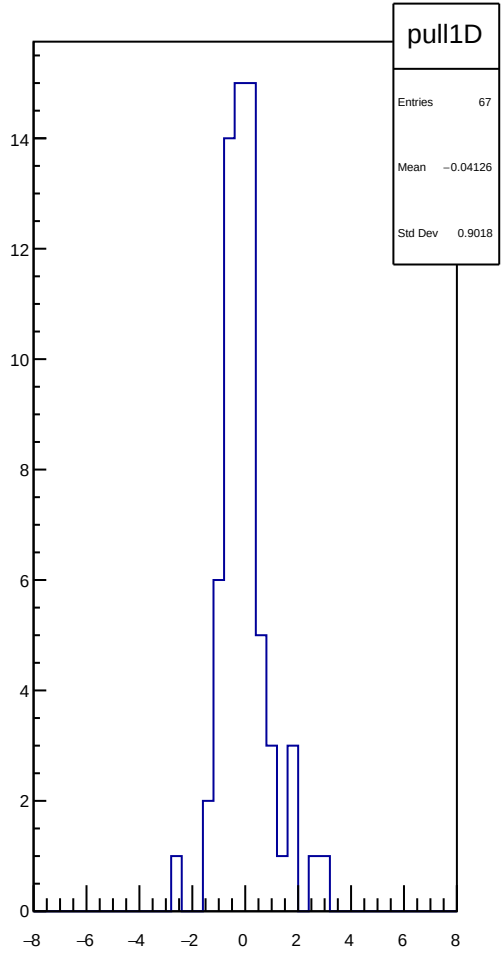

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 46.15 / 66
p0 −19.25 ± 0.9021
pull
Entries 67
Mean 81.63
Std Dev 23.7

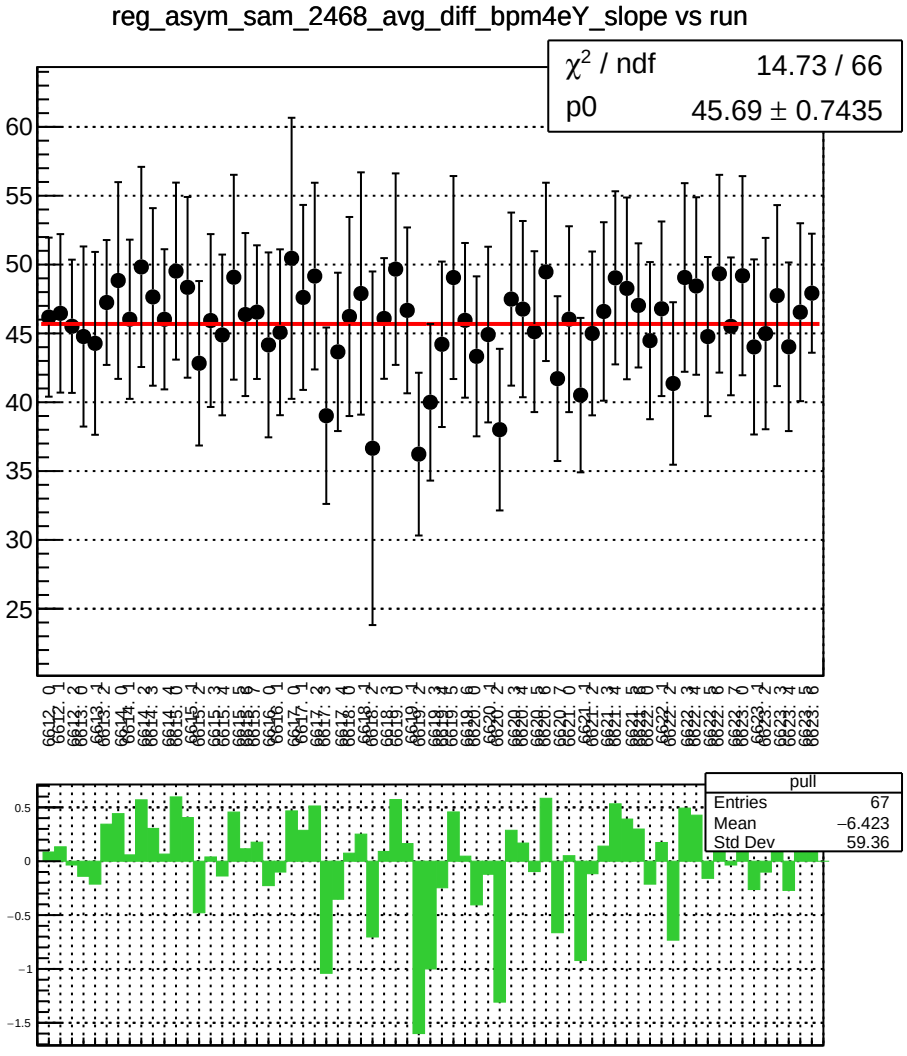

pull1D
Entries 67
Mean 0.03189
Std Dev 0.8293

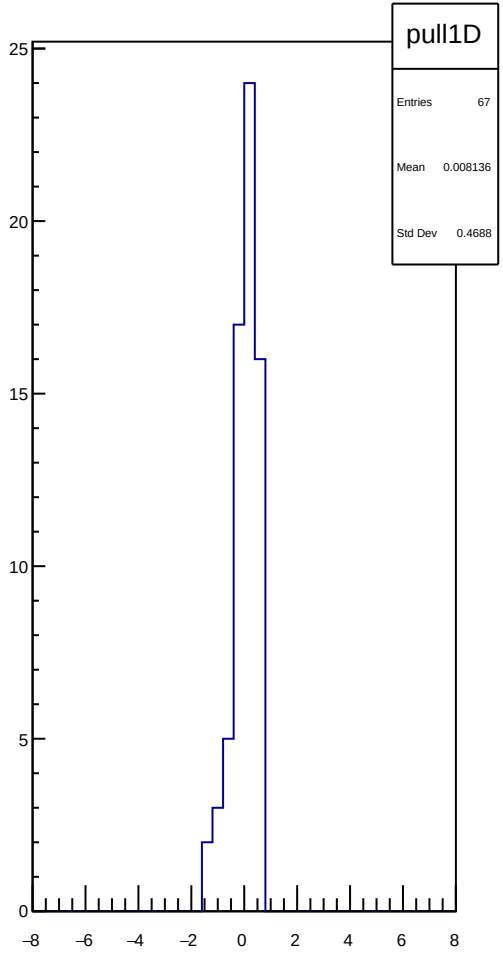

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.08 / 66
p0 −1.959 ± 0.6174
pull
Entries 67
Mean −89.25
Std Dev 24.5

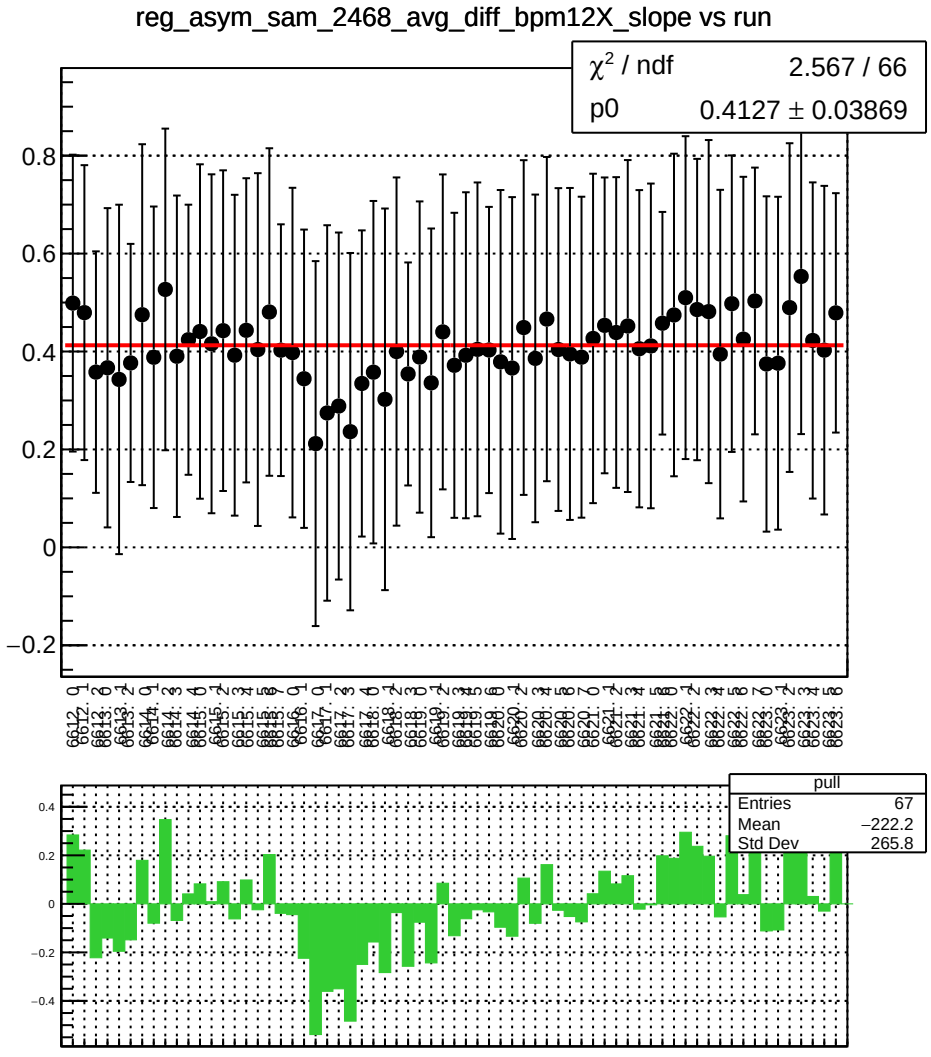

pull1D
Entries 67
Mean −0.004876
Std Dev 0.4743

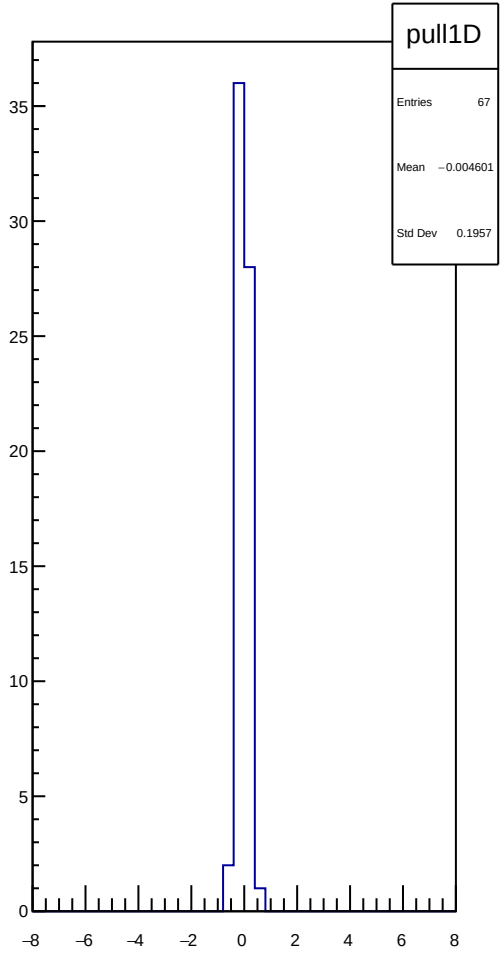

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.6 / 66
p0 −72.42 ± 0.9626
pull
Entries 67
Mean 60.66
Std Dev 34.42


pull1D
Entries 67
Mean −0.04126
Std Dev 0.9018

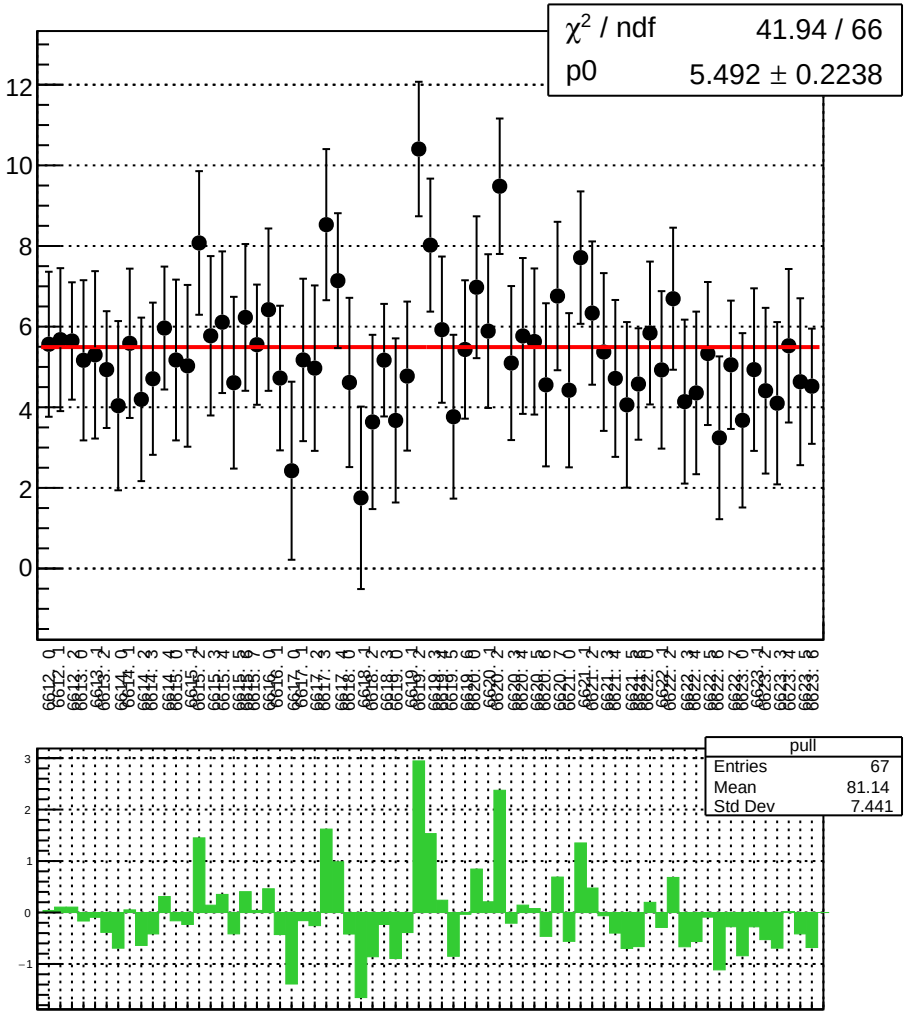

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.73 / 66
p0 45.69 ± 0.7435
pull
Entries 67
Mean −6.423
Std Dev 59.36

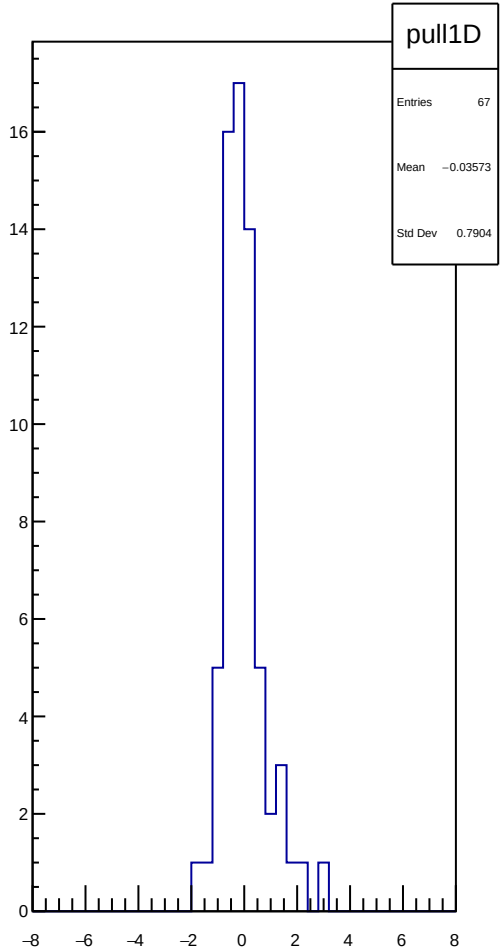

pull1D
Entries 67
Mean 0.008136
Std Dev 0.4688


reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.567 / 66
p0 0.4127 ± 0.03869
pull
Entries 67
Mean −222.2
Std Dev 265.8

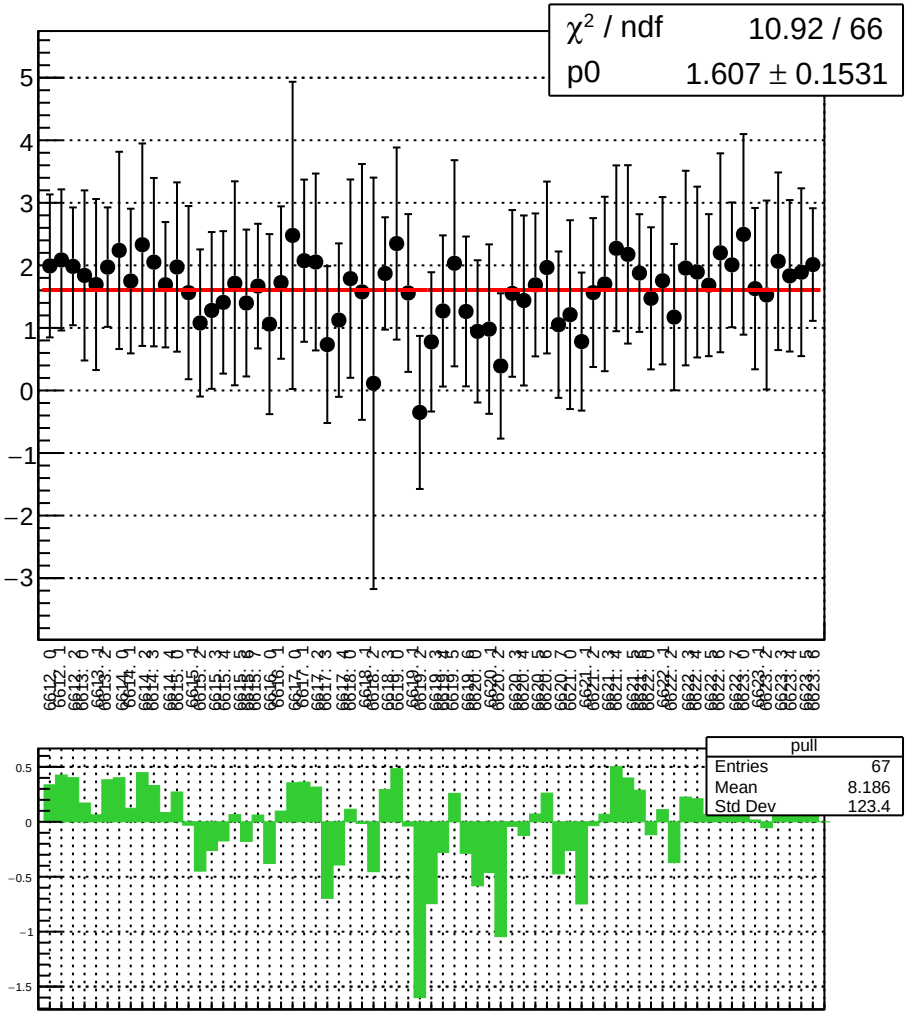

pull1D
Entries 67
Mean −0.004601
Std Dev 0.1957

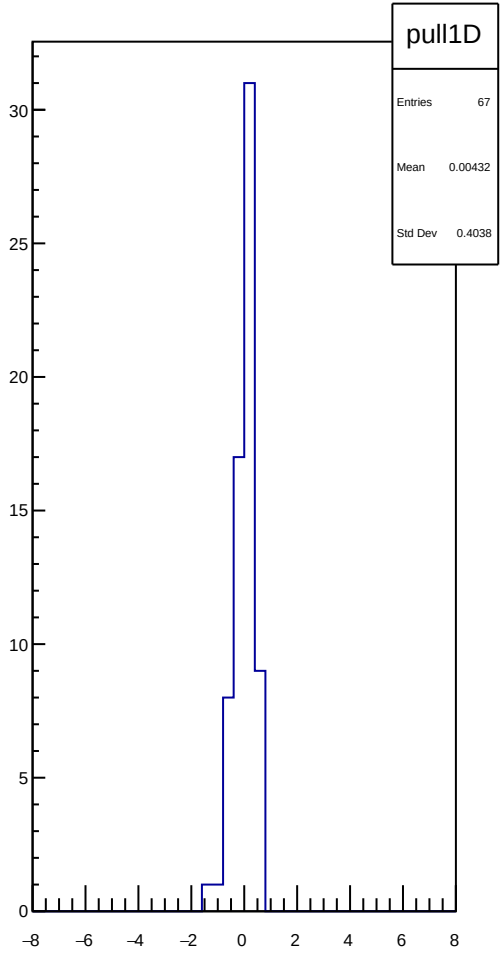
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run



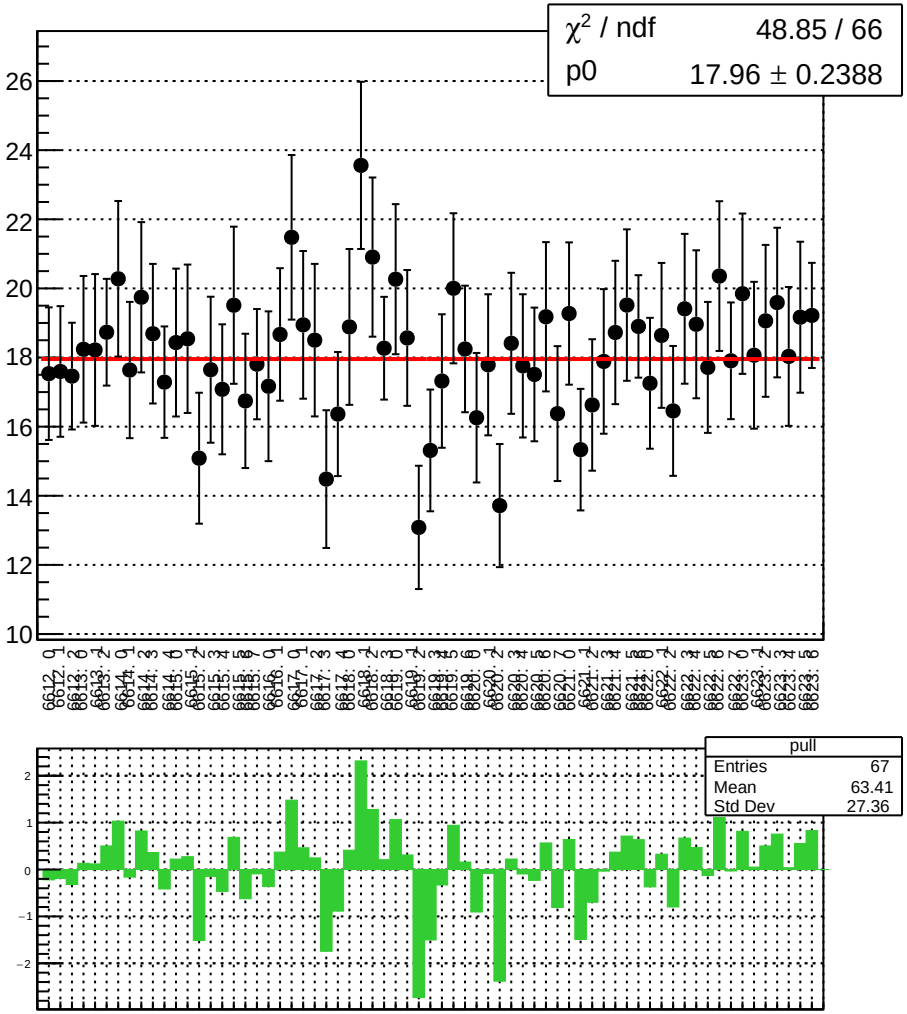


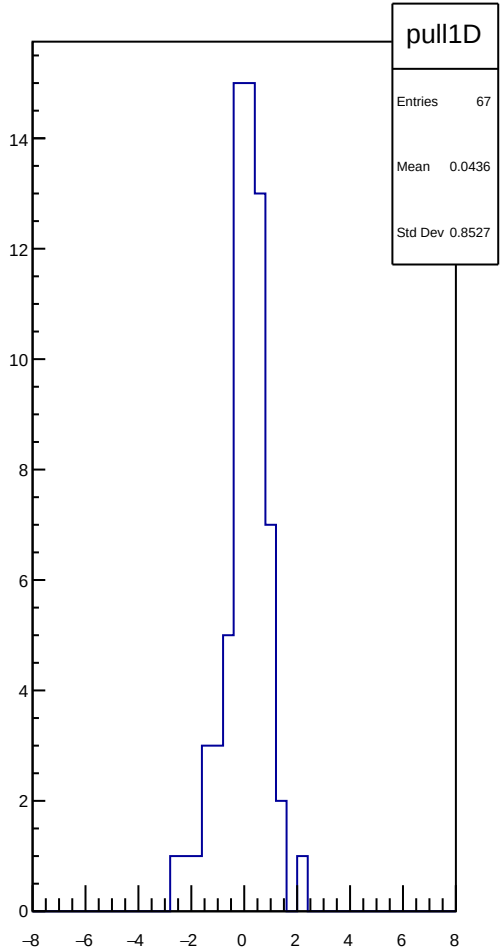
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

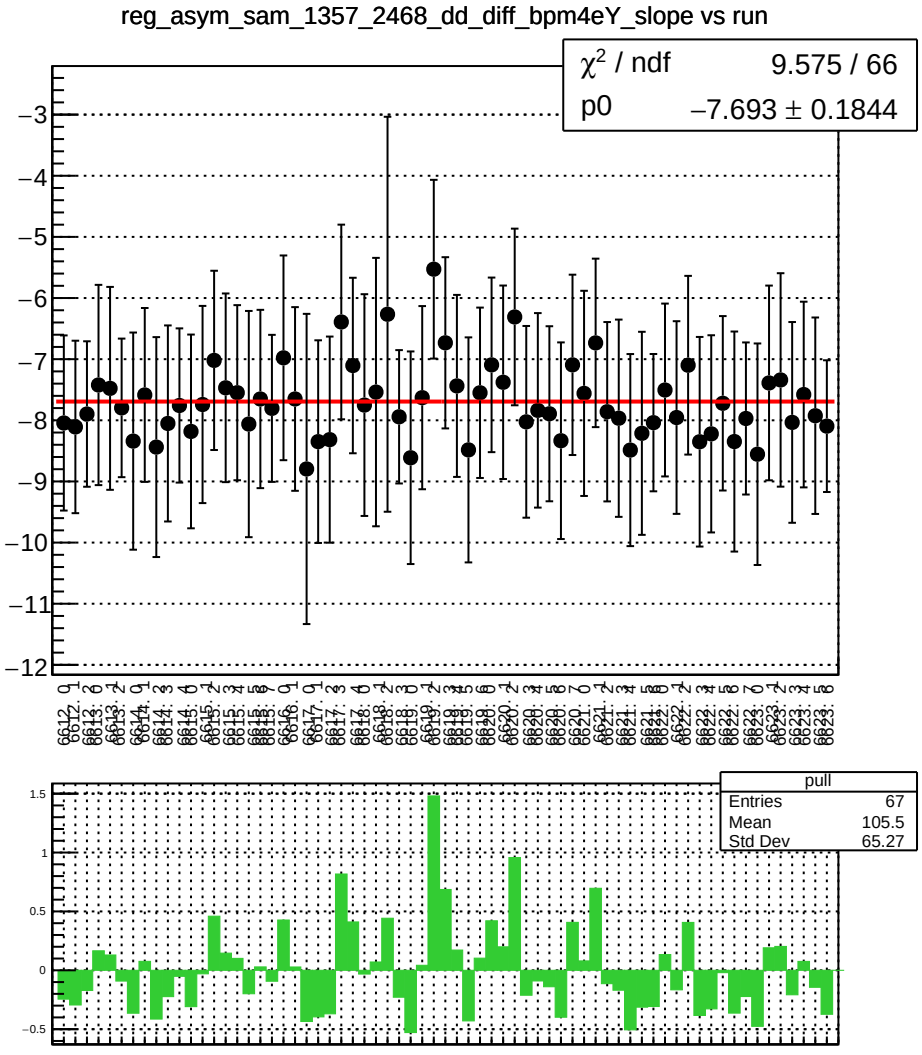


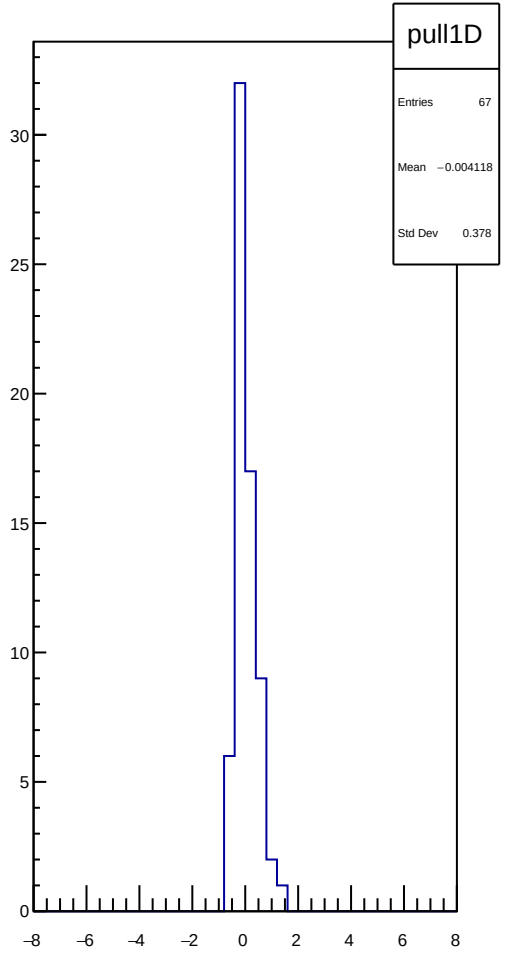


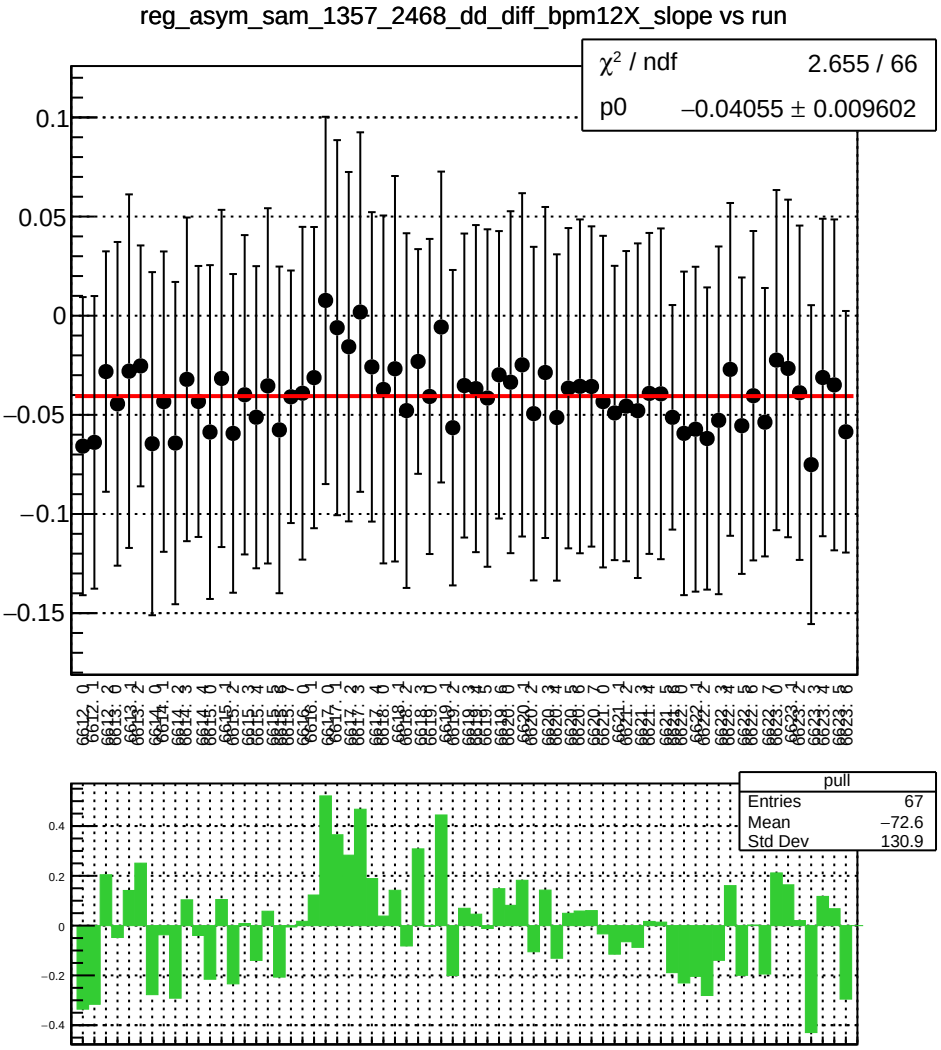
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

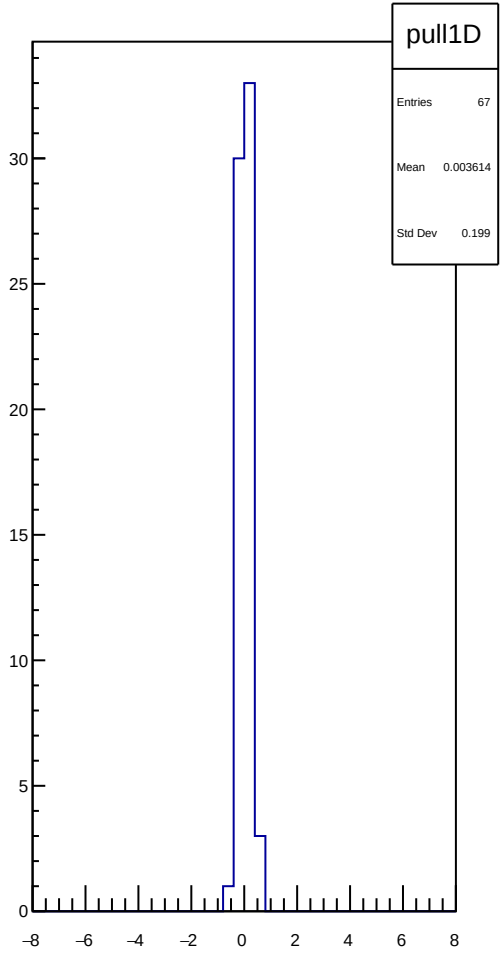




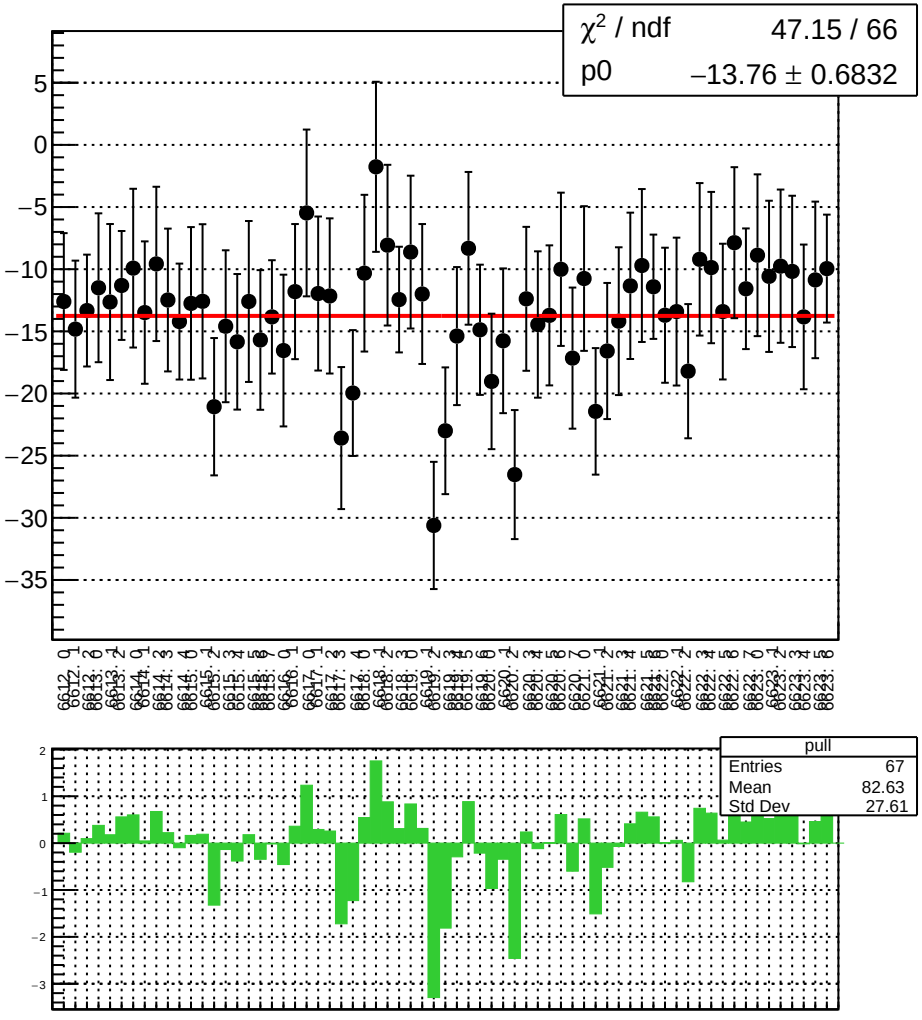

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.575 / 66
p0 −7.693 ± 0.1844
pull
Entries 67
Mean 105.5
Std Dev 65.27

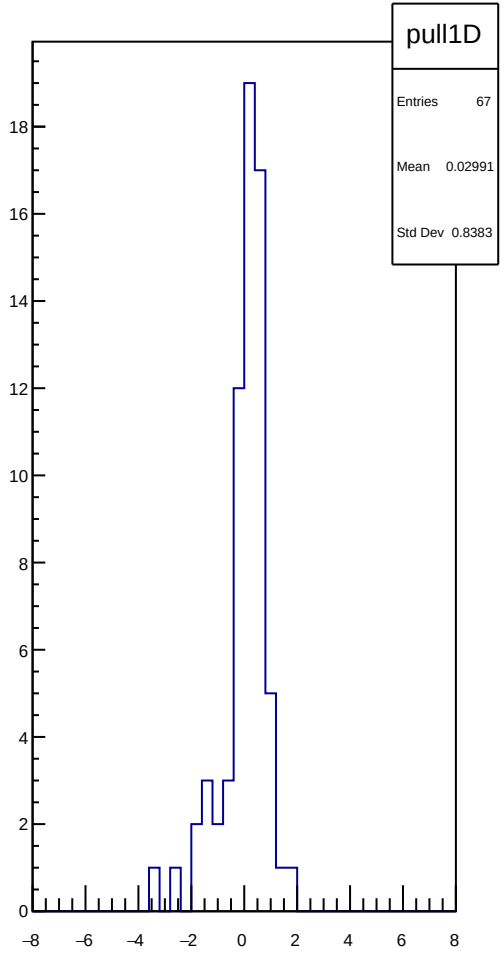

pull1D
Entries 67
Mean −0.004118
Std Dev 0.378

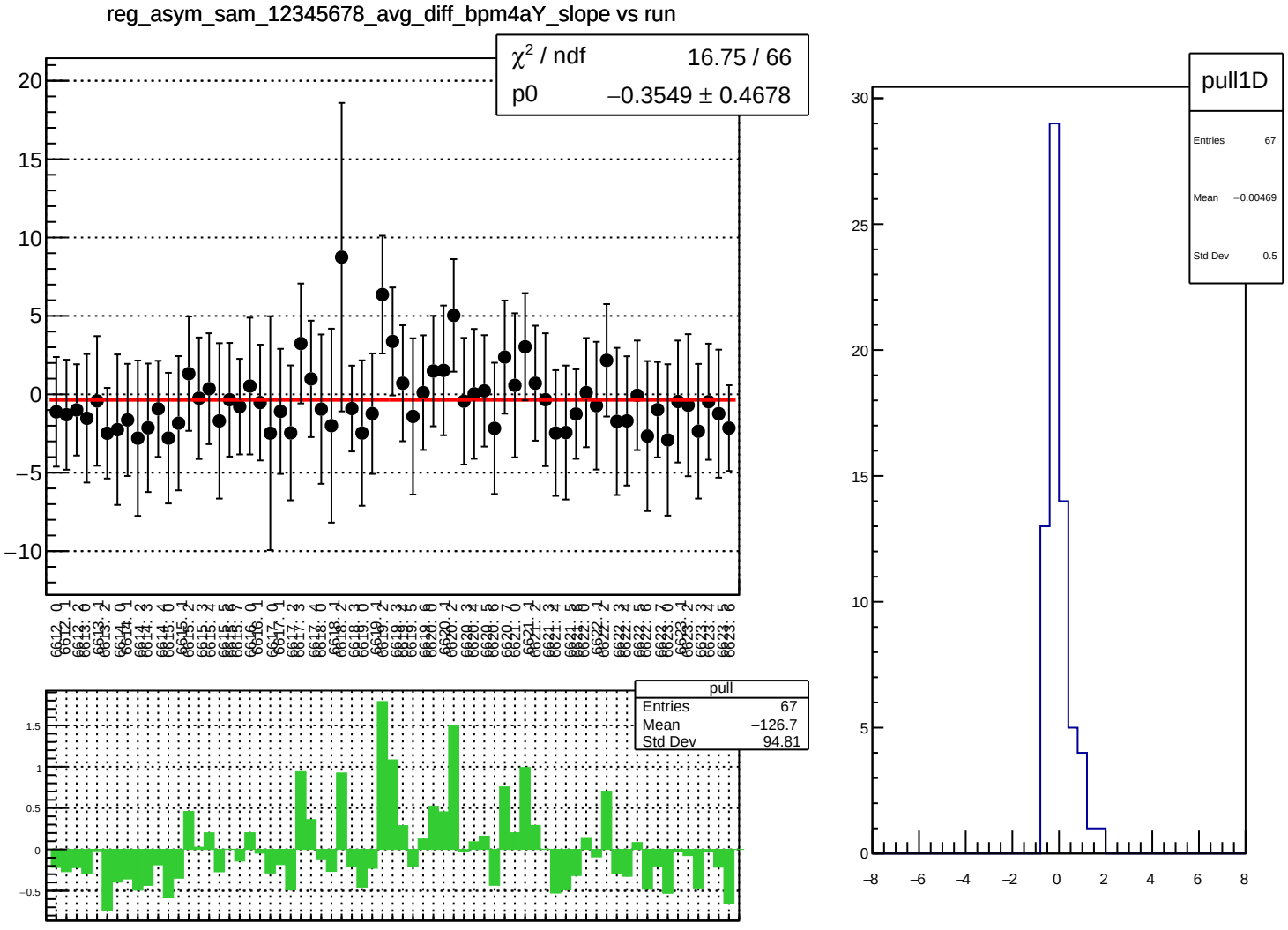

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.655 / 66
p0 −0.04055 ± 0.009602
pull
Entries 67
Mean −72.6
Std Dev 130.9


pull1D
Entries 67
Mean 0.003614
Std Dev 0.199

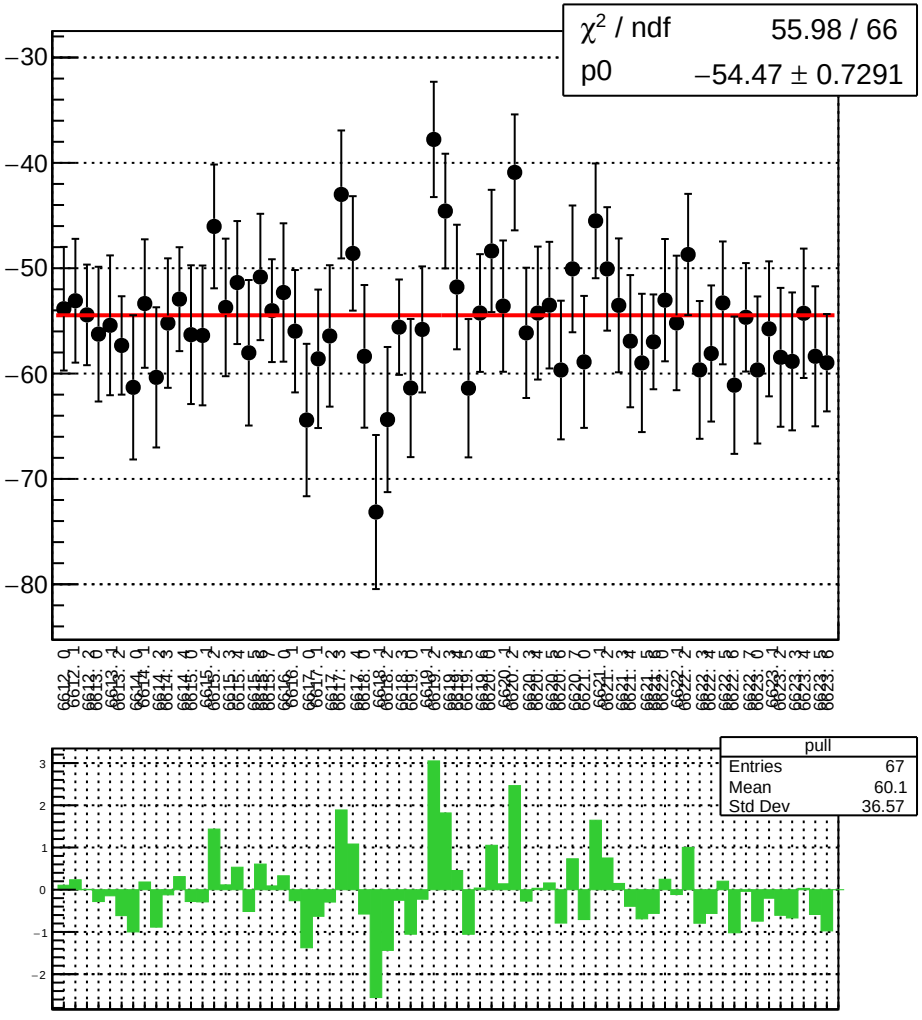
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

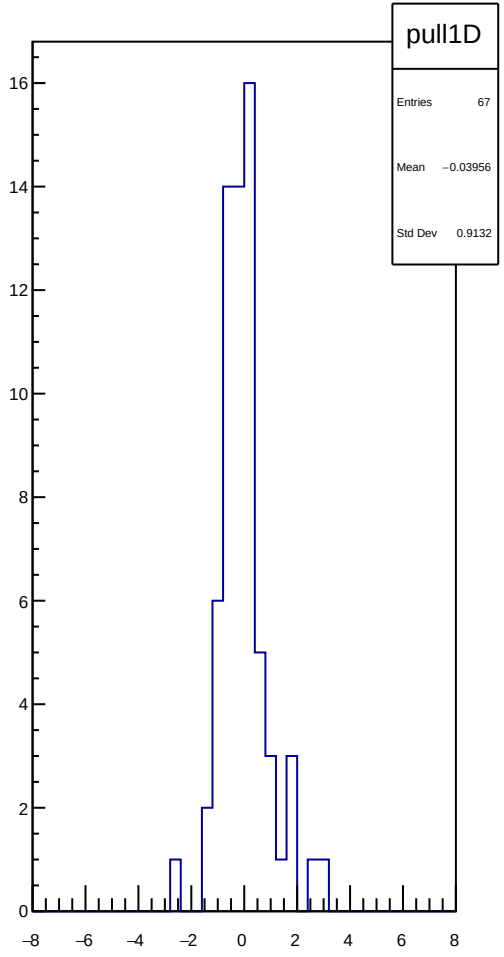




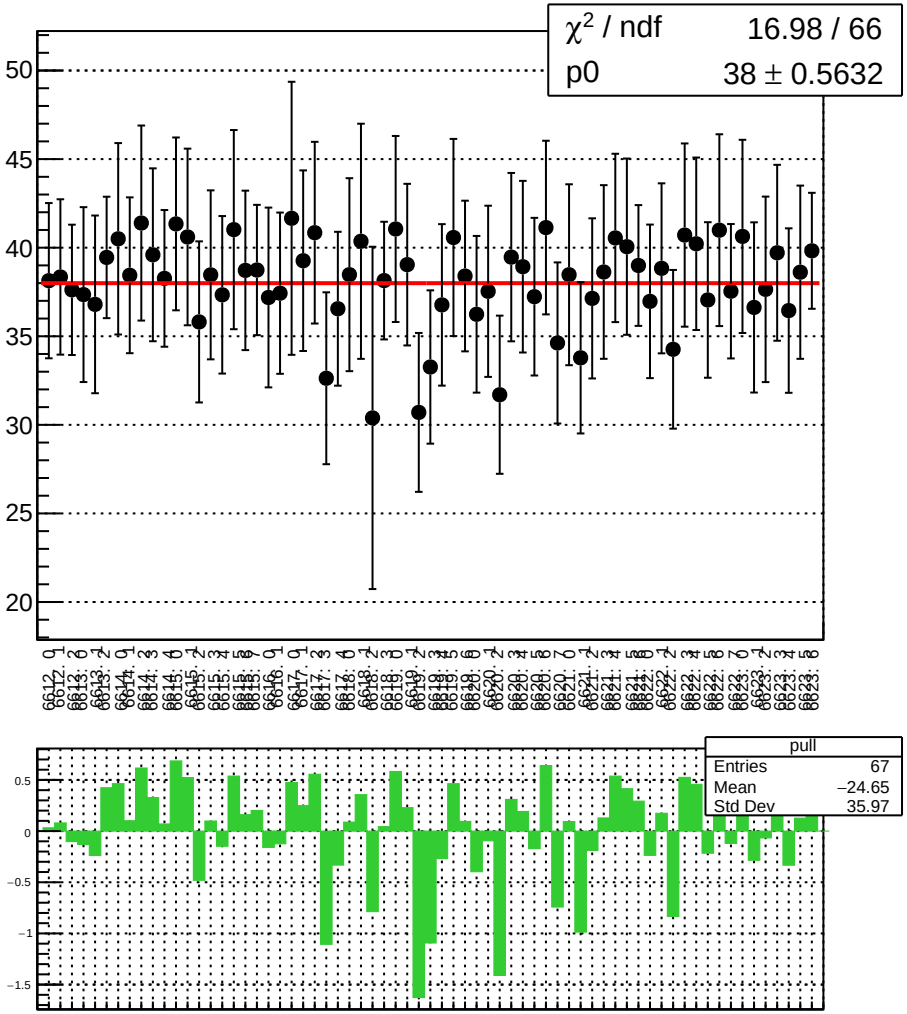

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.75 / 66
p0 −0.3549 ± 0.4678
pull
Entries 67
Mean −126.7
Std Dev 94.81
pull1D
Entries 67
Mean −0.00469
Std Dev 0.5

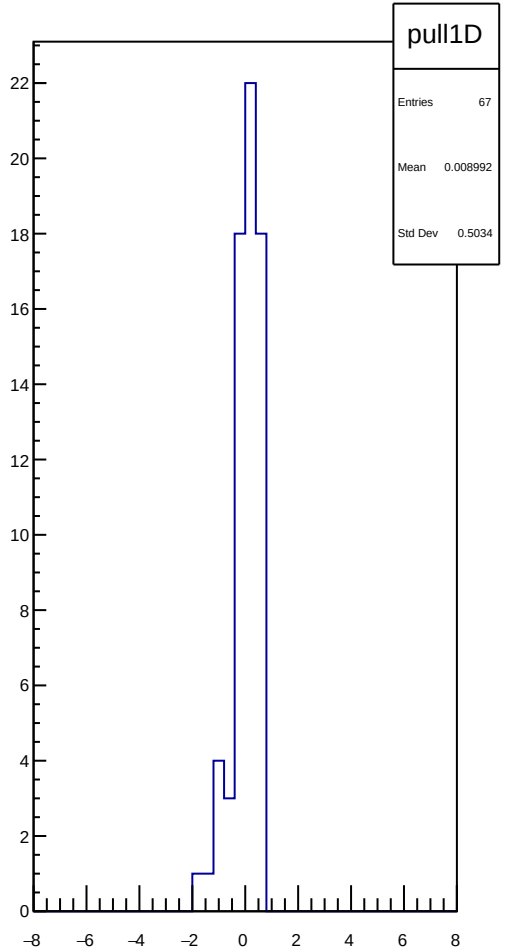
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run



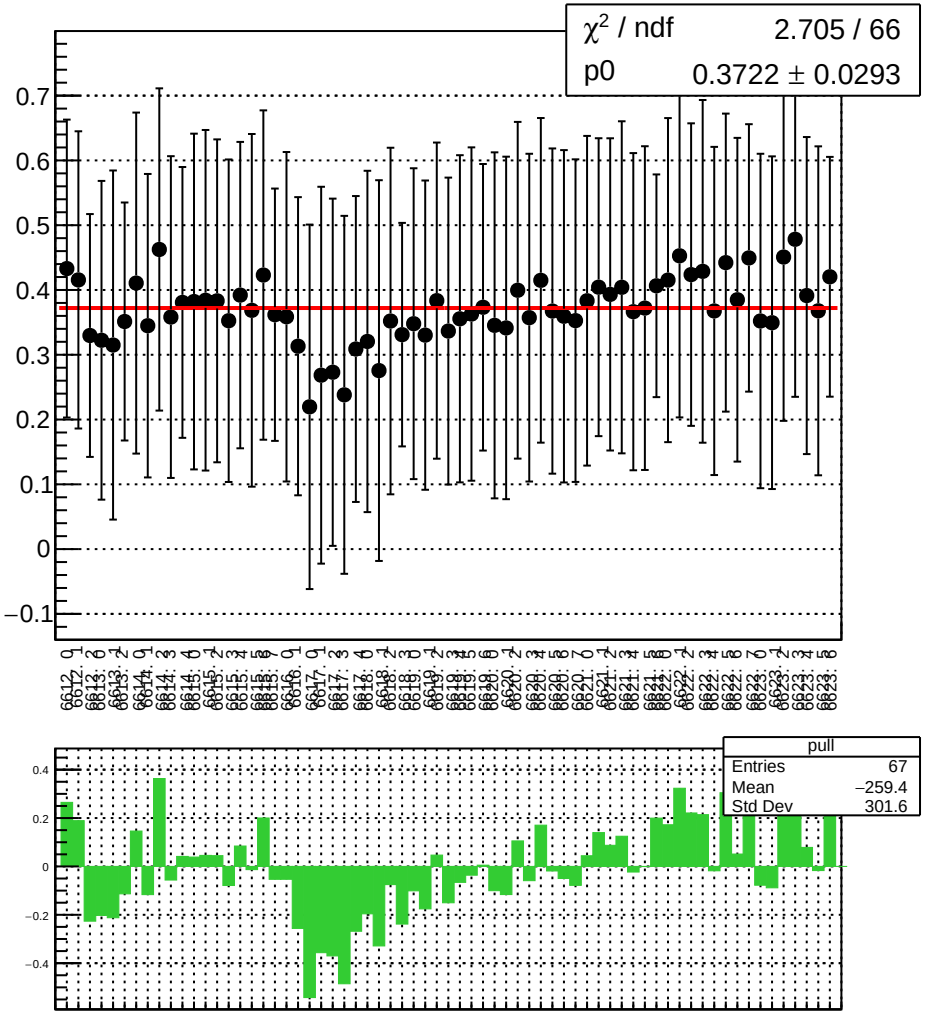


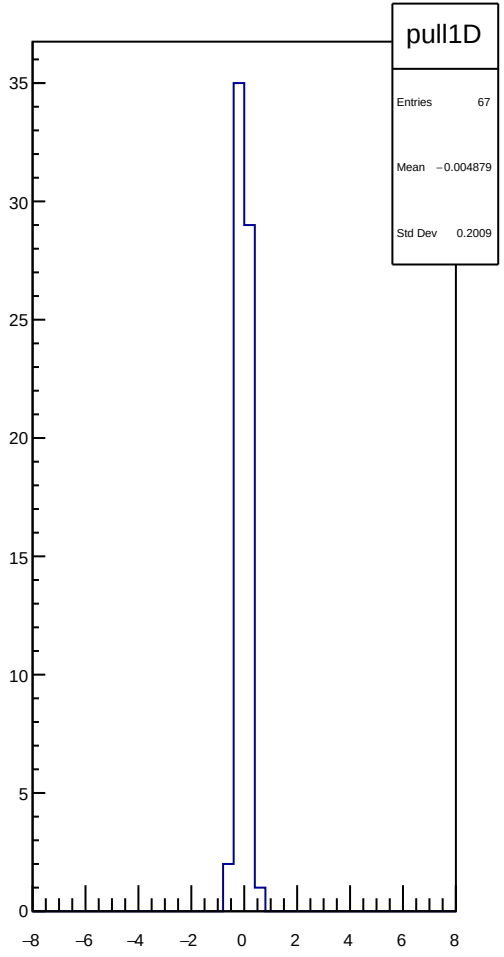
reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

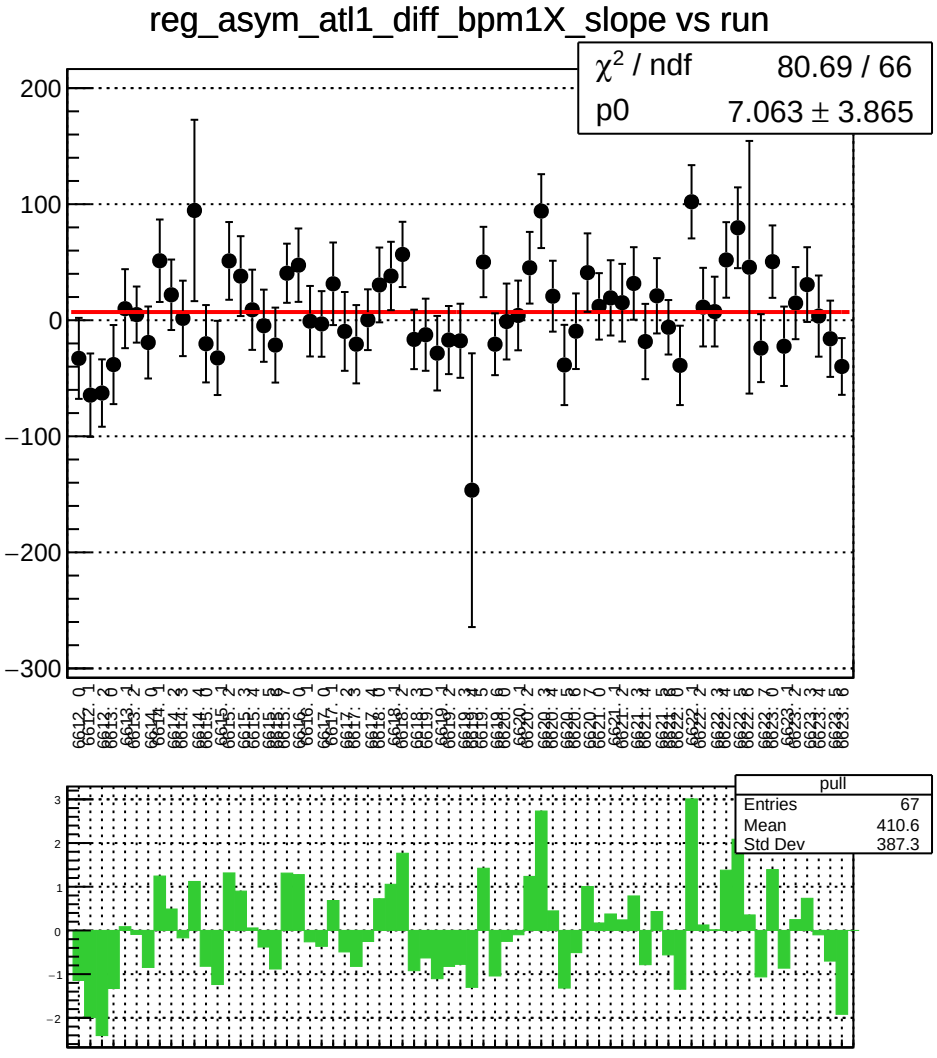


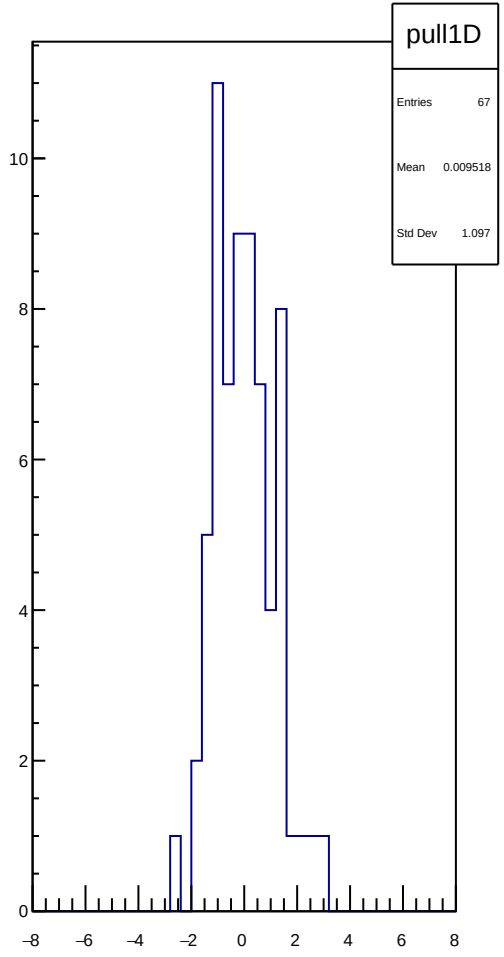


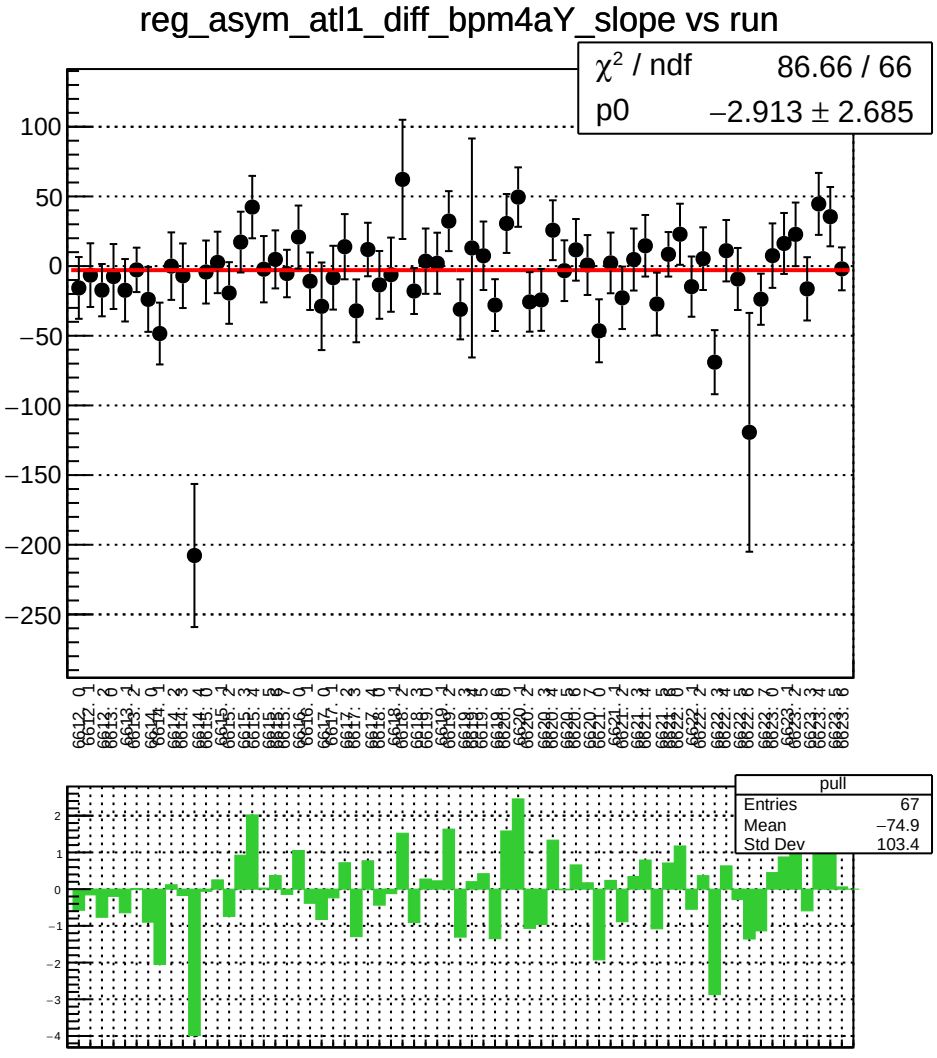
reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run

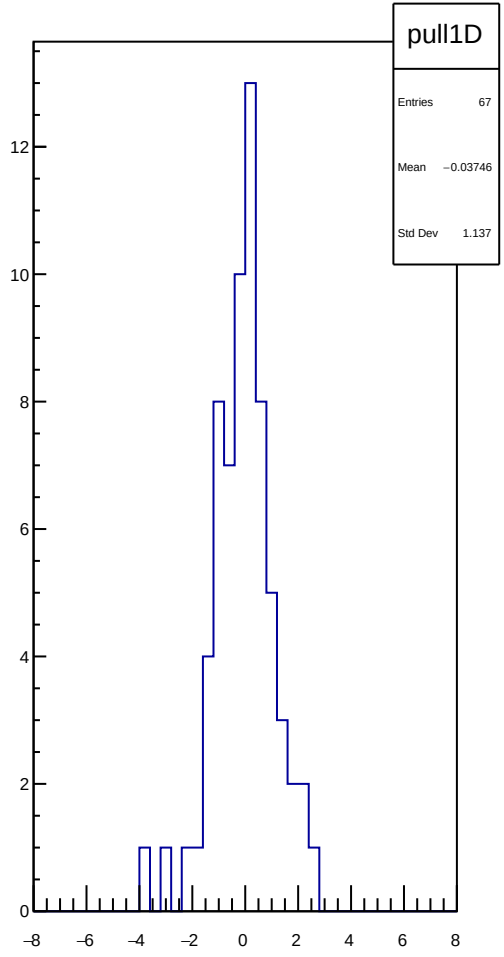


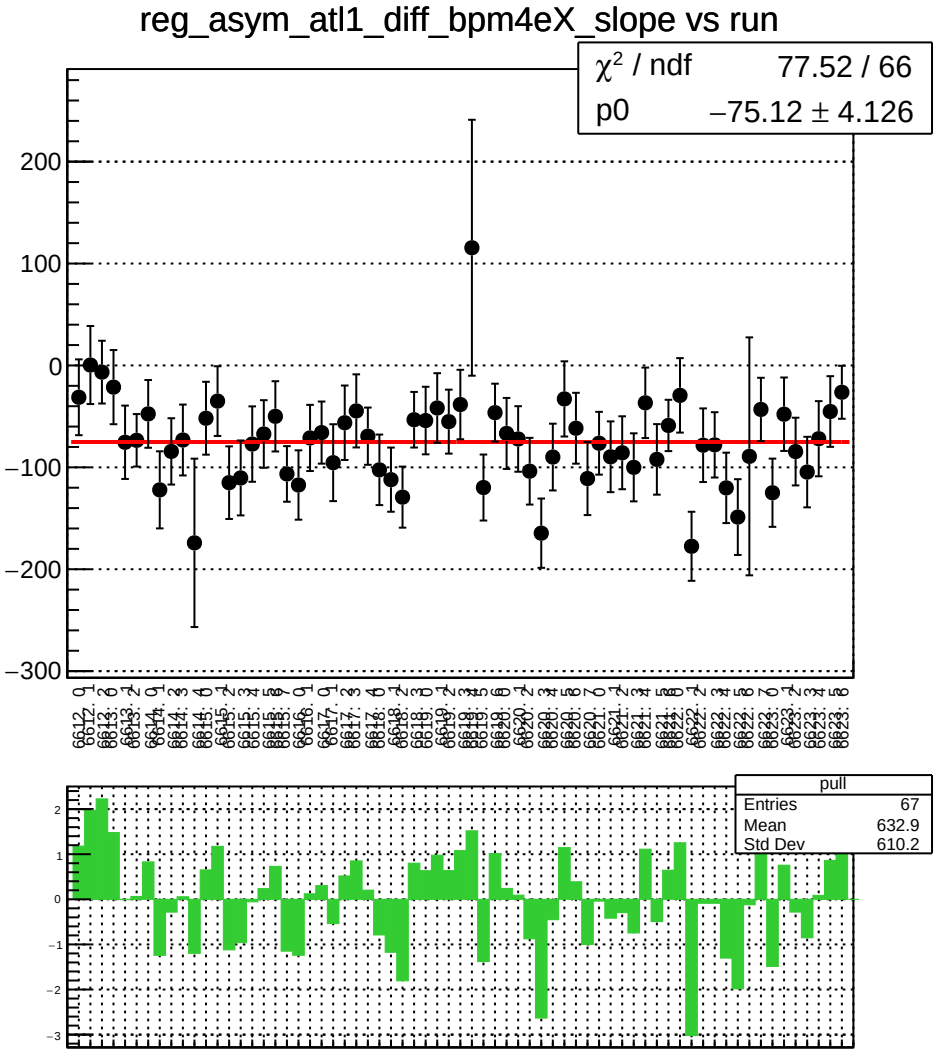


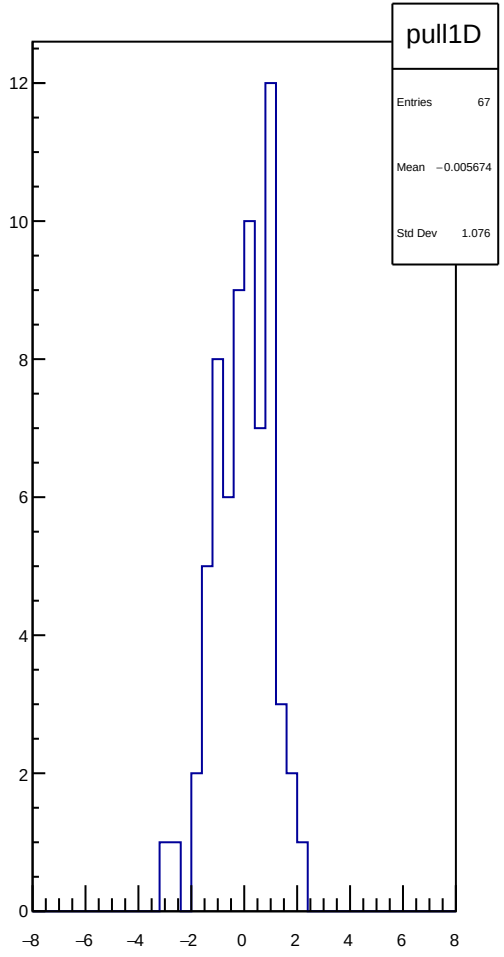

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 80.69 / 66
p0 7.063 ± 3.865
pull
Entries 67
Mean 410.6
Std Dev 387.3

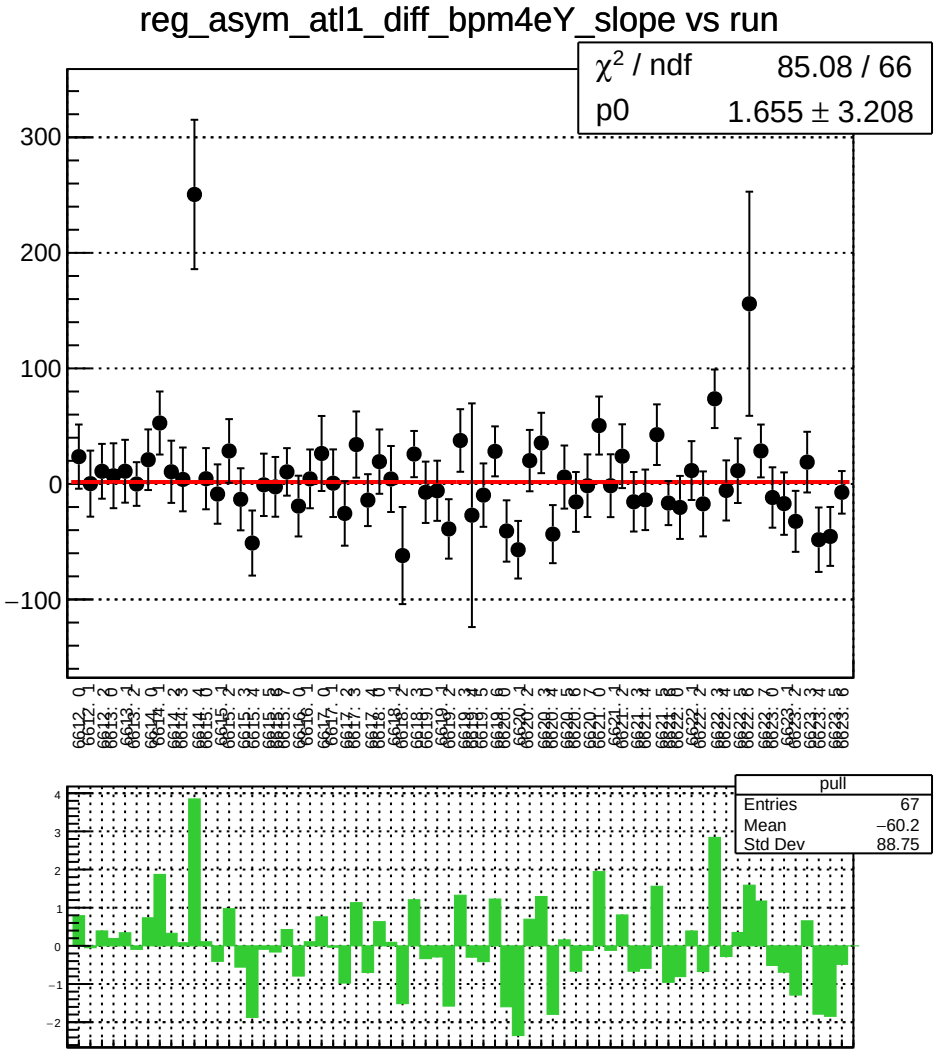

pull1D
Entries 67
Mean 0.009518
Std Dev 1.097

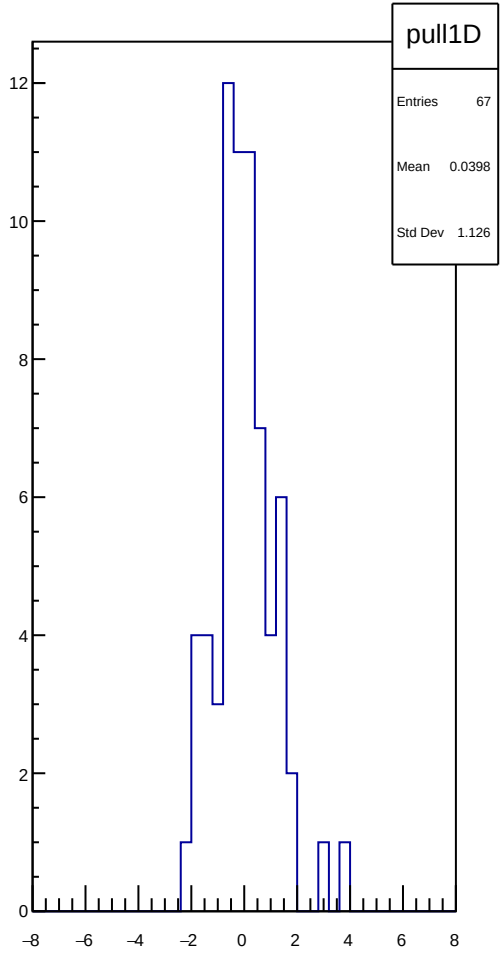

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 86.66 / 66
p0 −2.913 ± 2.685
pull
Entries 67
Mean −74.9
Std Dev 103.4

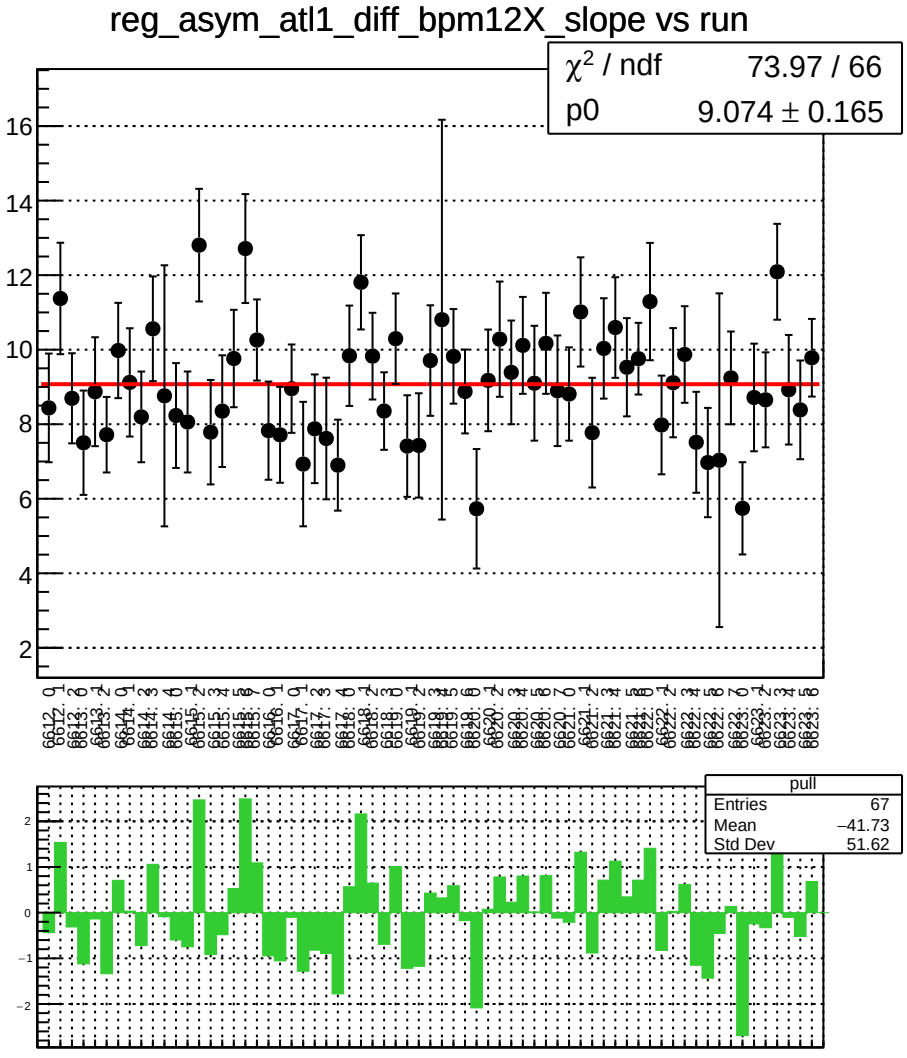

pull1D
Entries 67
Mean −0.03746
Std Dev 1.137

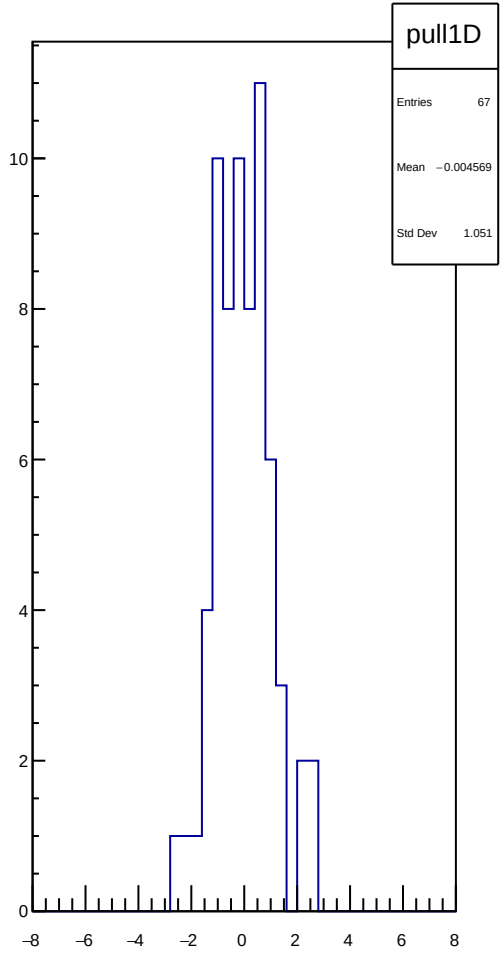

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 77.52 / 66
p0 −75.12 ± 4.126
pull
Entries 67
Mean 632.9
Std Dev 610.2

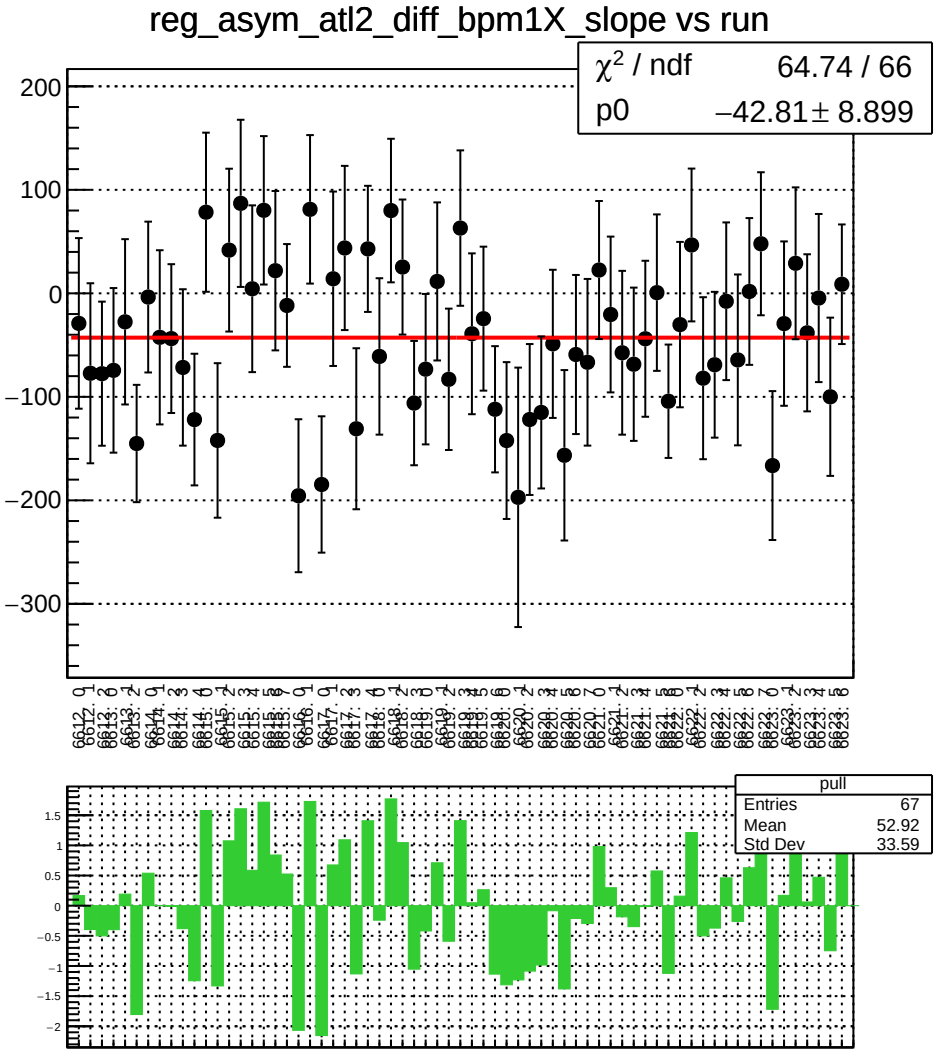

pull1D
Entries 67
Mean −0.005674
Std Dev 1.076

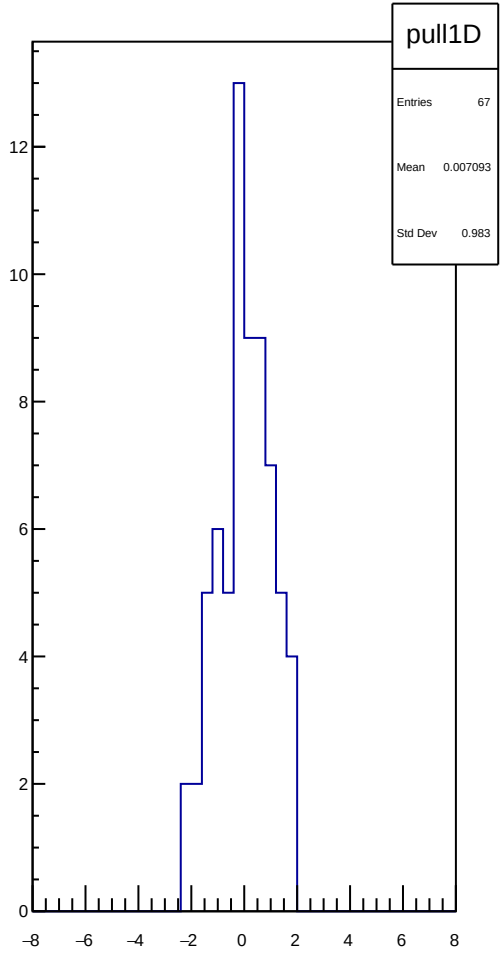

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 85.08 / 66
p0 1.655 ± 3.208
pull
Entries 67
Mean −60.2
Std Dev 88.75

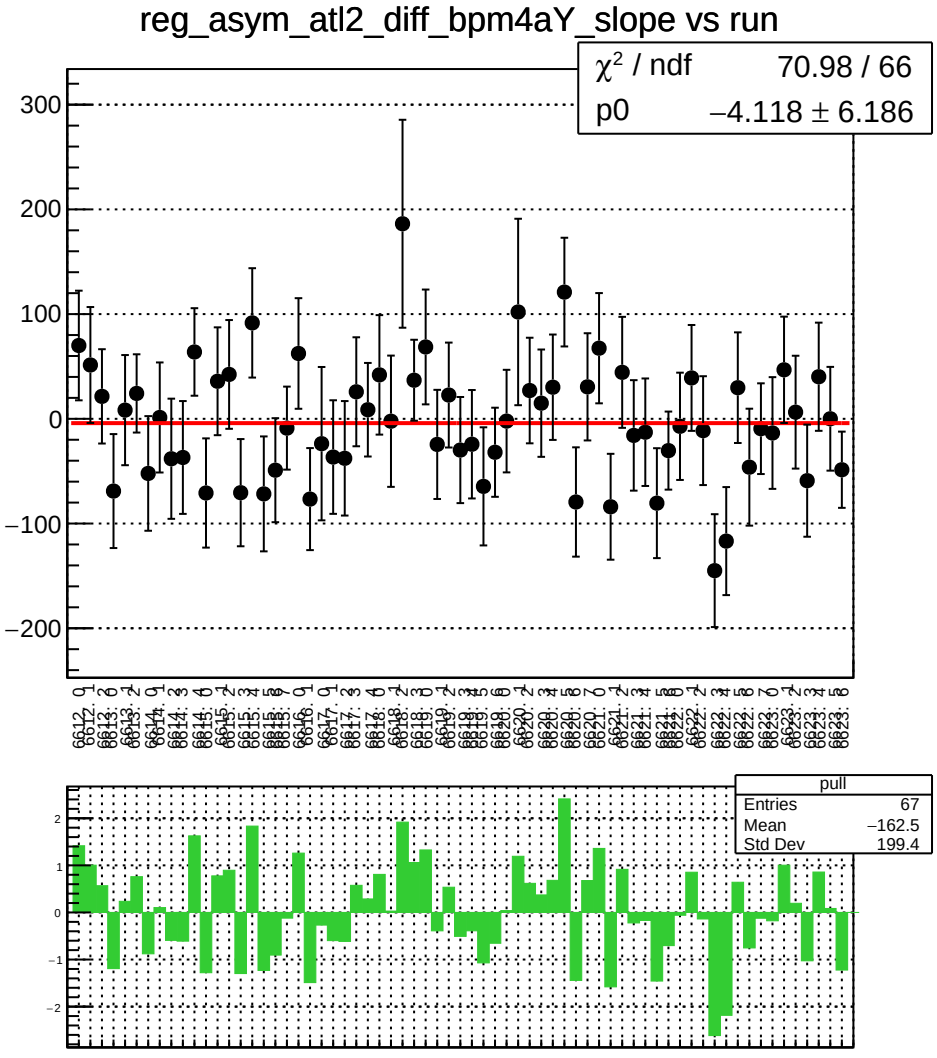

pull1D
Entries 67
Mean 0.0398
Std Dev 1.126

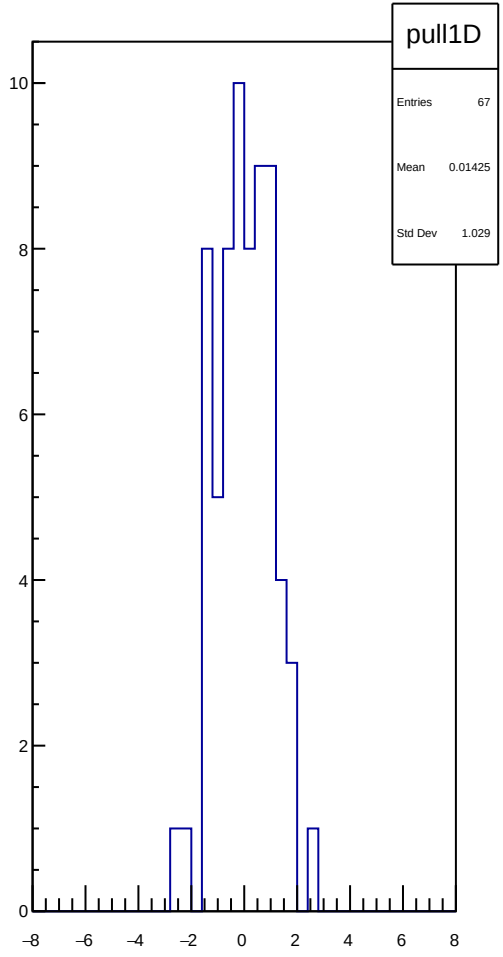

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 73.97 / 66
p0 9.074 ± 0.165
pull
Entries 67
Mean −41.73
Std Dev 51.62

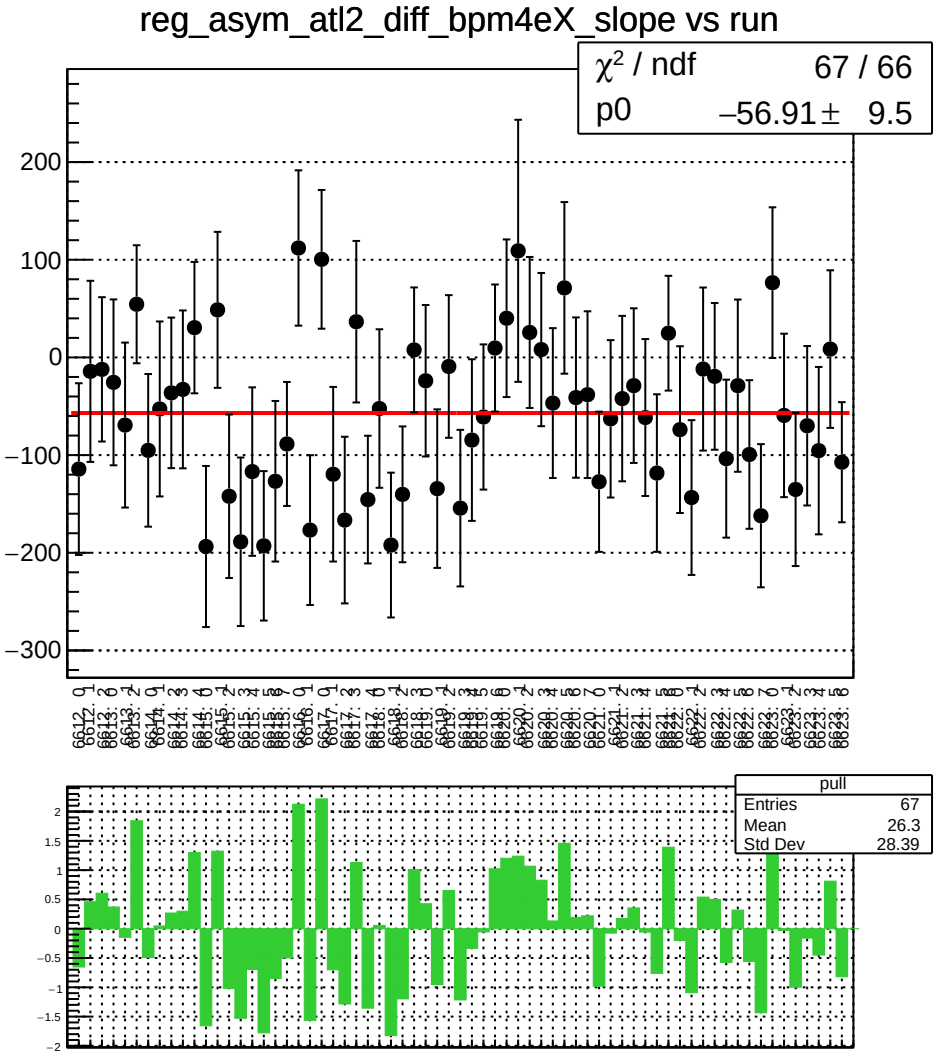

pull1D
Entries 67
Mean −0.004569
Std Dev 1.051

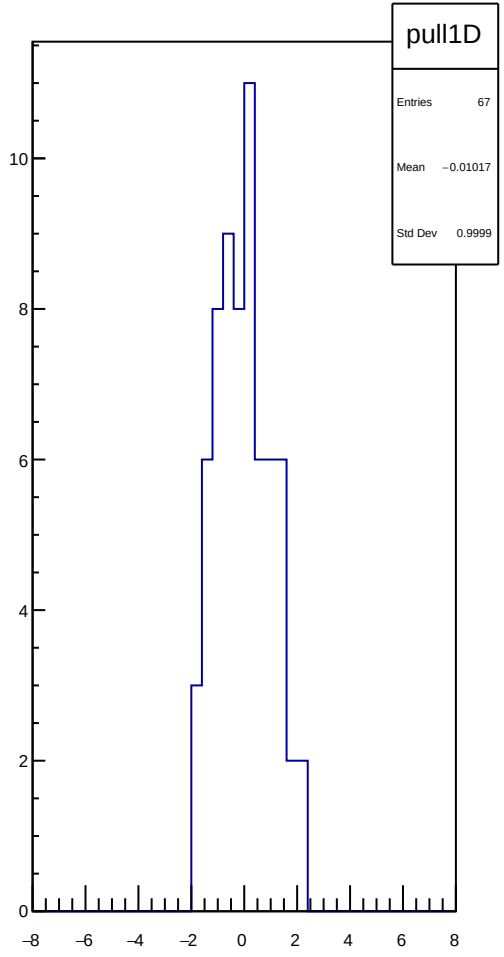

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 64.74 / 66
p0 −42.81 ± 8.899
pull
Entries 67
Mean 52.92
Std Dev 33.59

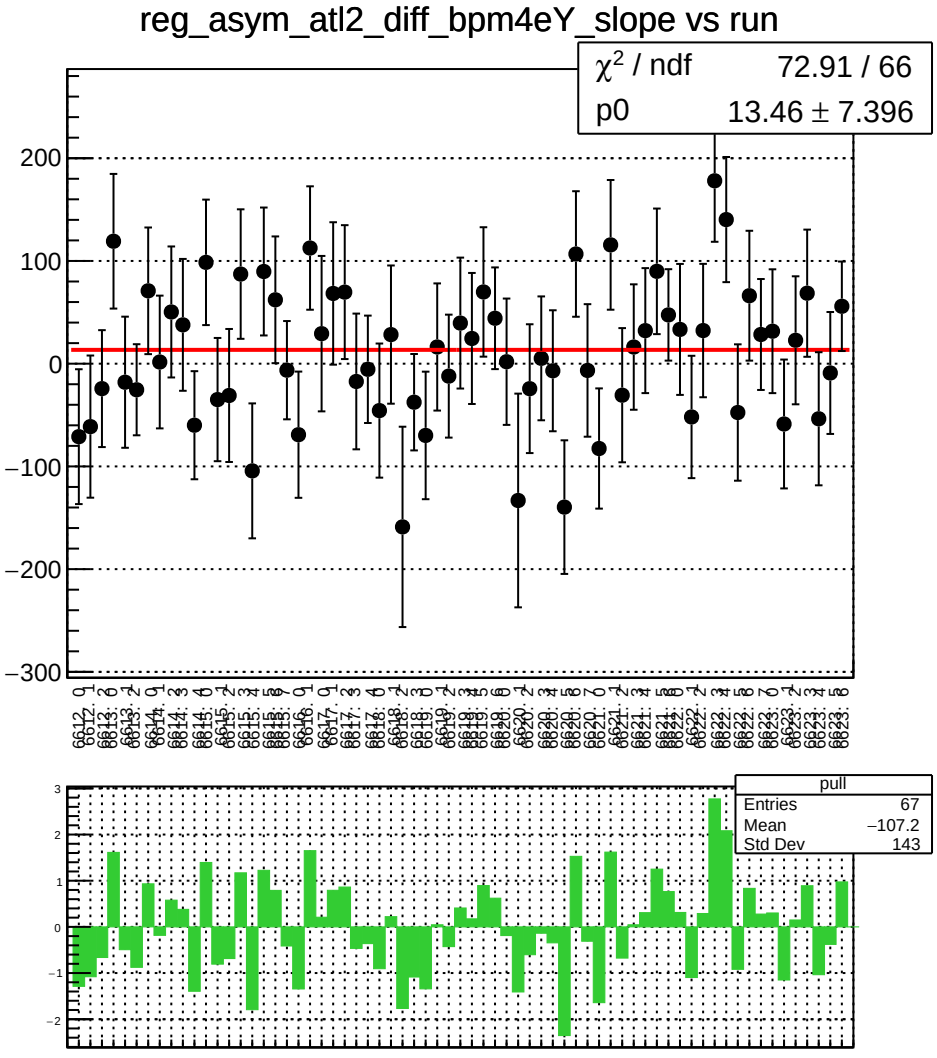

pull1D
Entries 67
Mean 0.007093
Std Dev 0.983

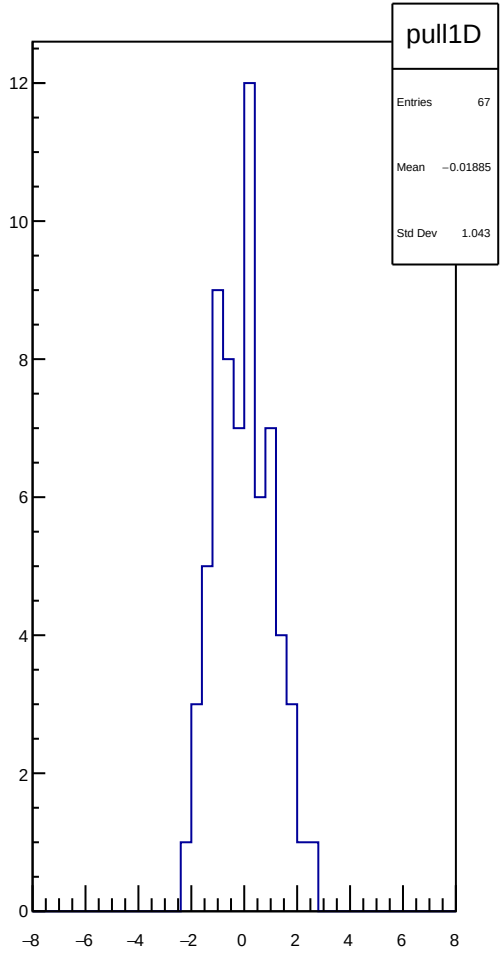

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 70.98 / 66
p0 −4.118 ± 6.186
pull
Entries 67
Mean −162.5
Std Dev 199.4

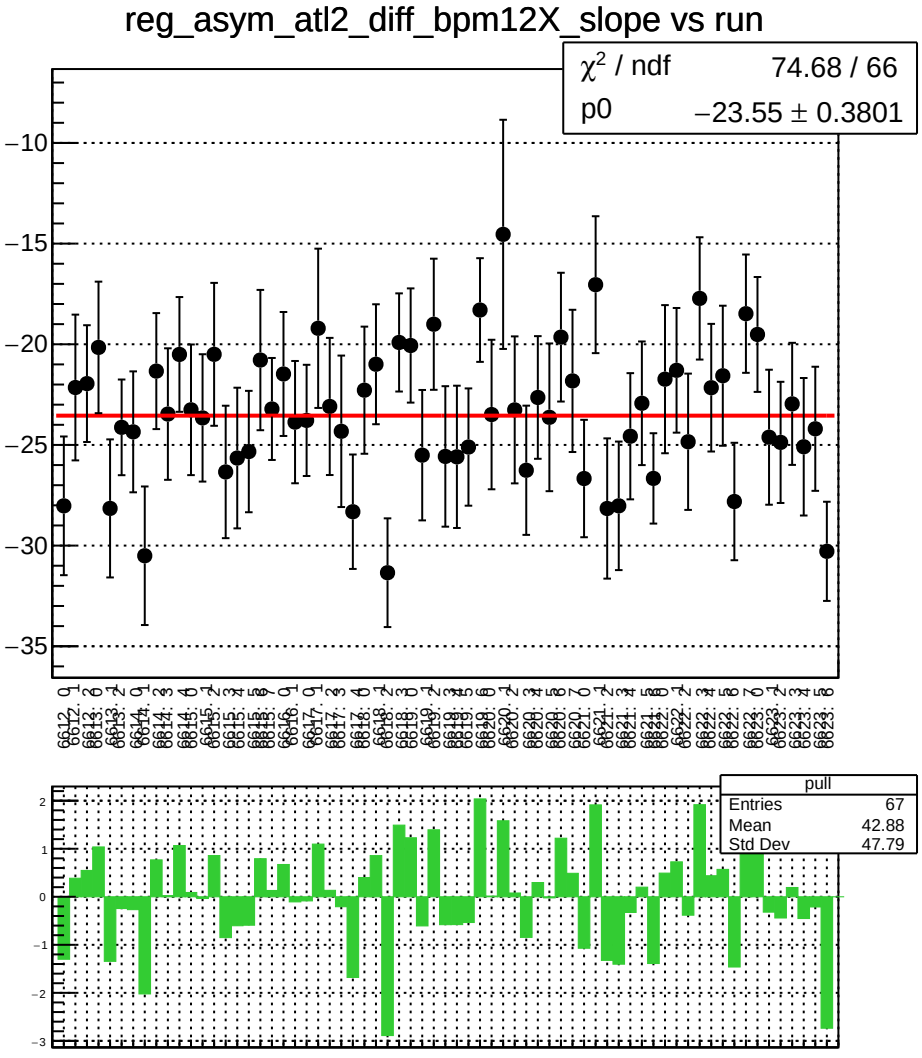

pull1D
Entries 67
Mean 0.01425
Std Dev 1.029

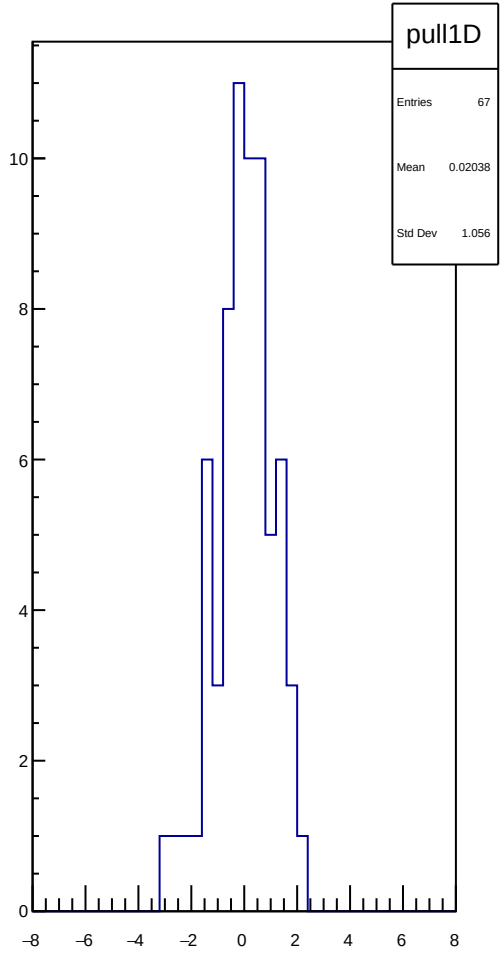

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 67 / 66
p0 −56.91 ± 9.5
pull
Entries 67
Mean 26.3
Std Dev 28.39

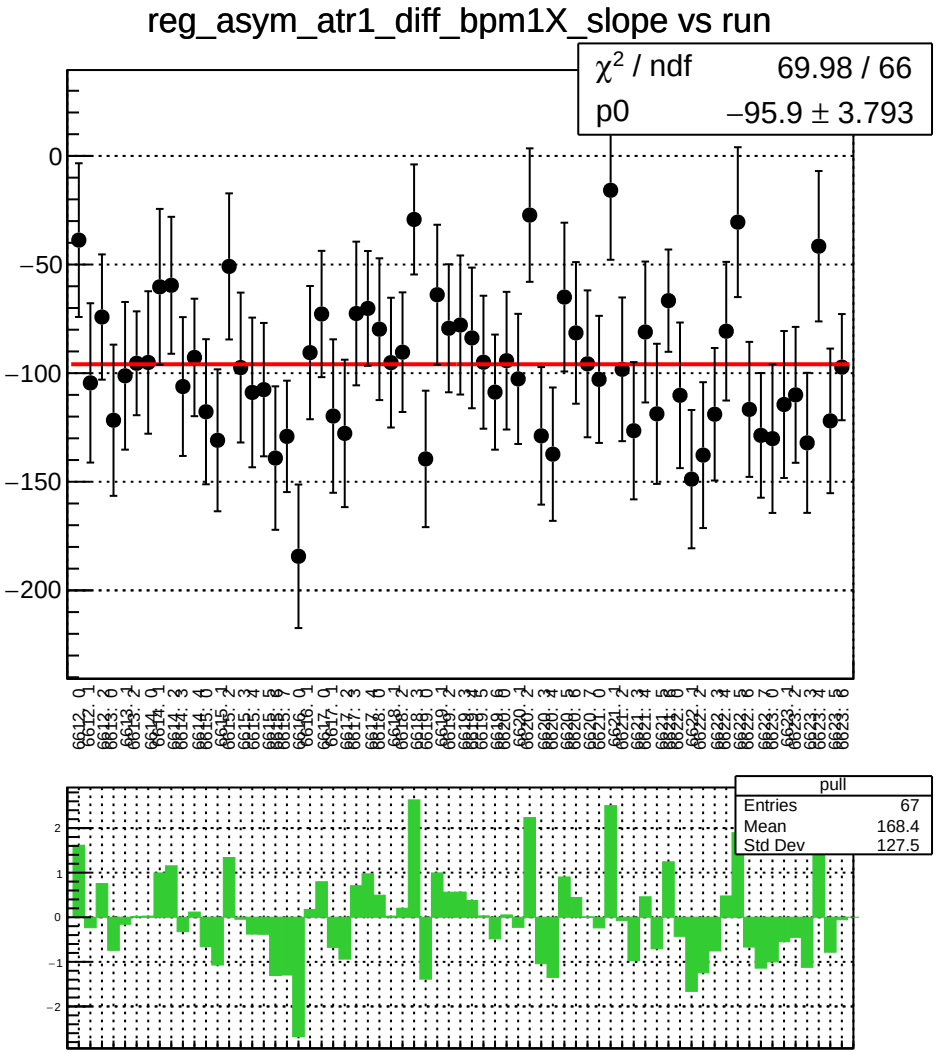

pull1D
Entries 67
Mean −0.01017
Std Dev 0.9999

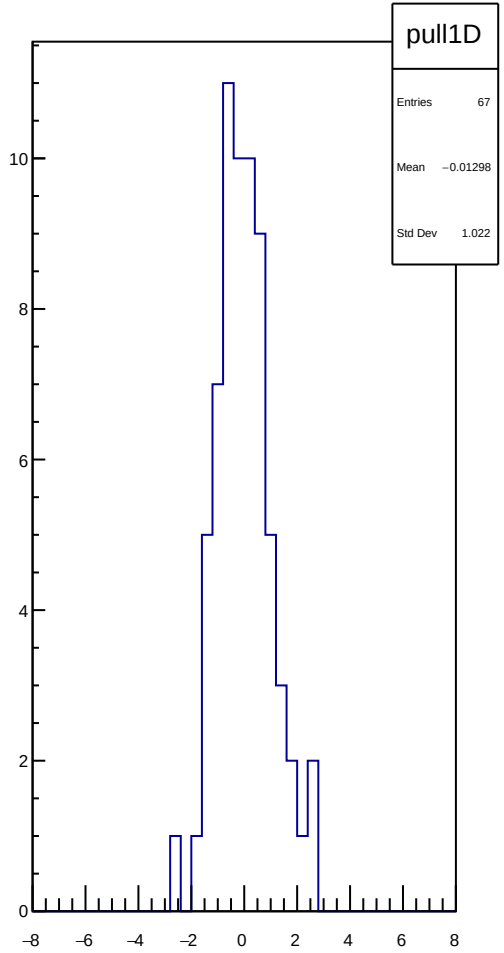

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 72.91 / 66
p0 13.46 ± 7.396
pull
Entries 67
Mean −107.2
Std Dev 143

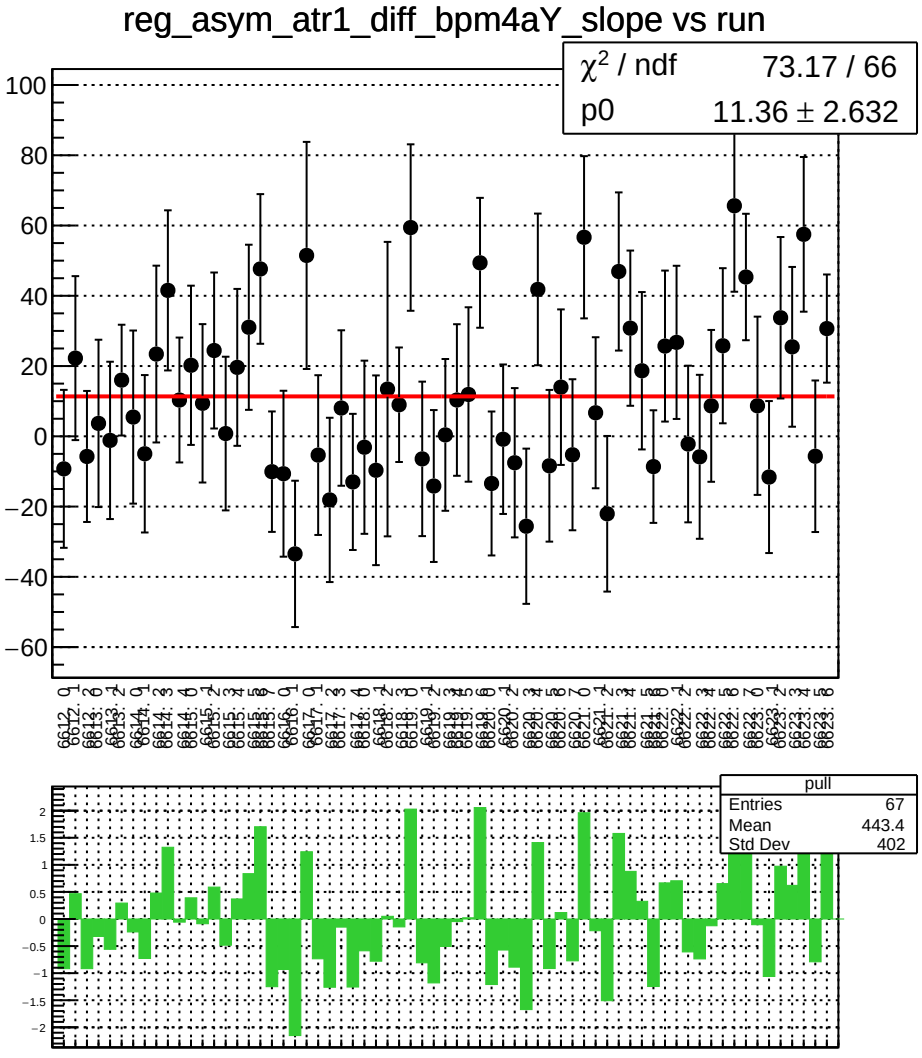

pull1D
Entries 67
Mean −0.01885
Std Dev 1.043

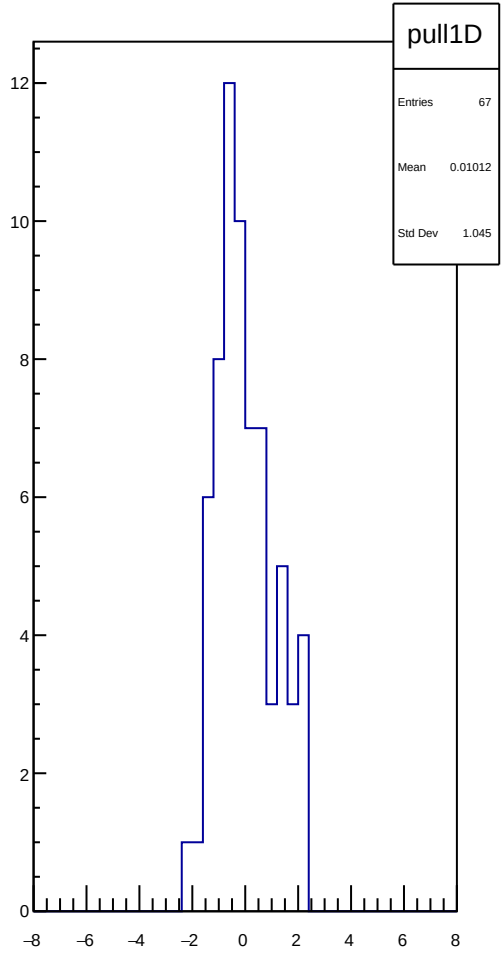

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 74.68 / 66
p0 −23.55 ± 0.3801
pull
Entries 67
Mean 42.88
Std Dev 47.79

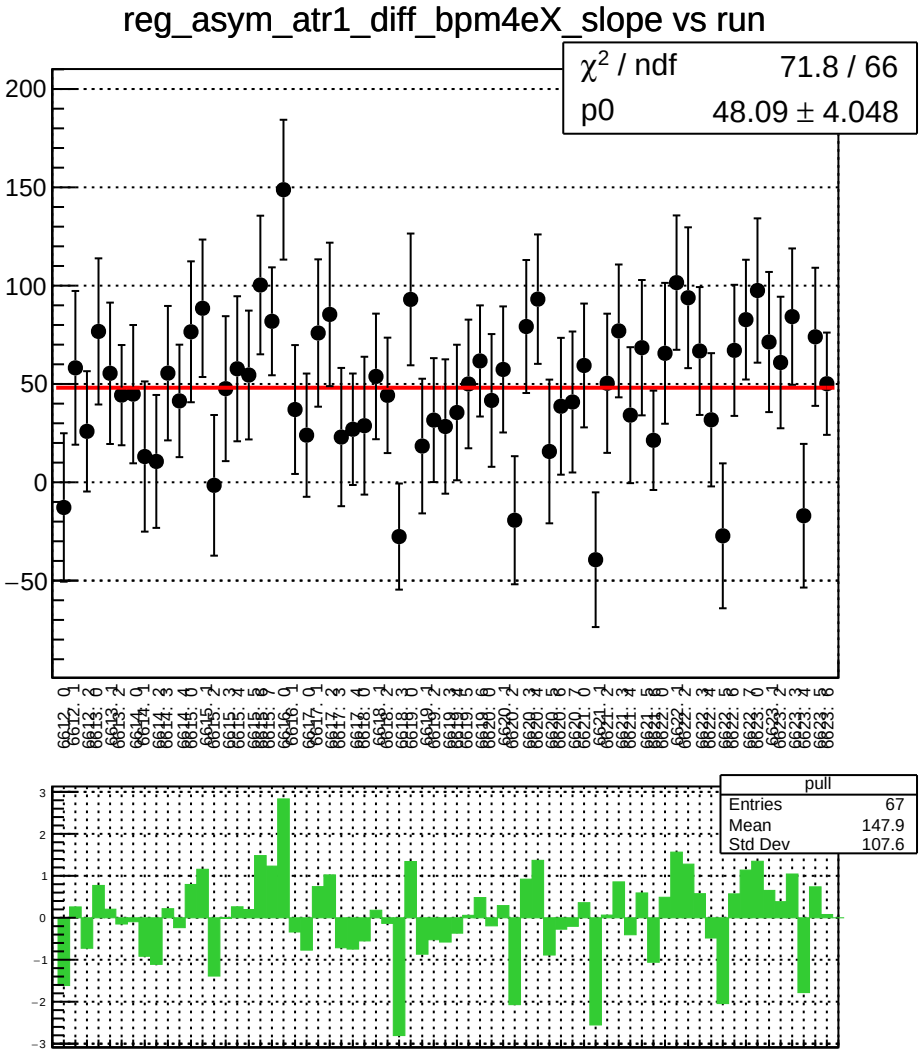

pull1D
Entries 67
Mean 0.02038
Std Dev 1.056

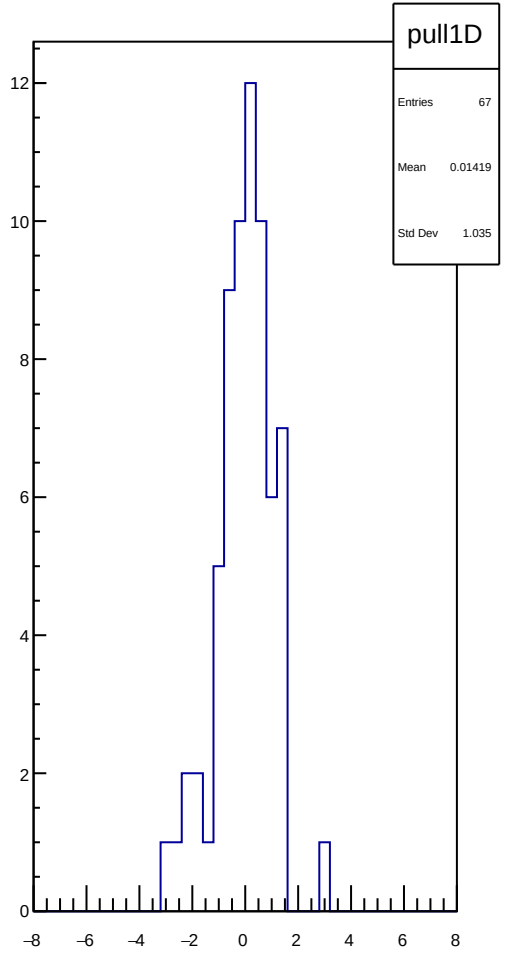

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 69.98 / 66
p0 −95.9 ± 3.793
0
−50
−100
−150
−200
pull
Entries 67
Mean 168.4
Std Dev 127.5
2
1
0
−1
−2

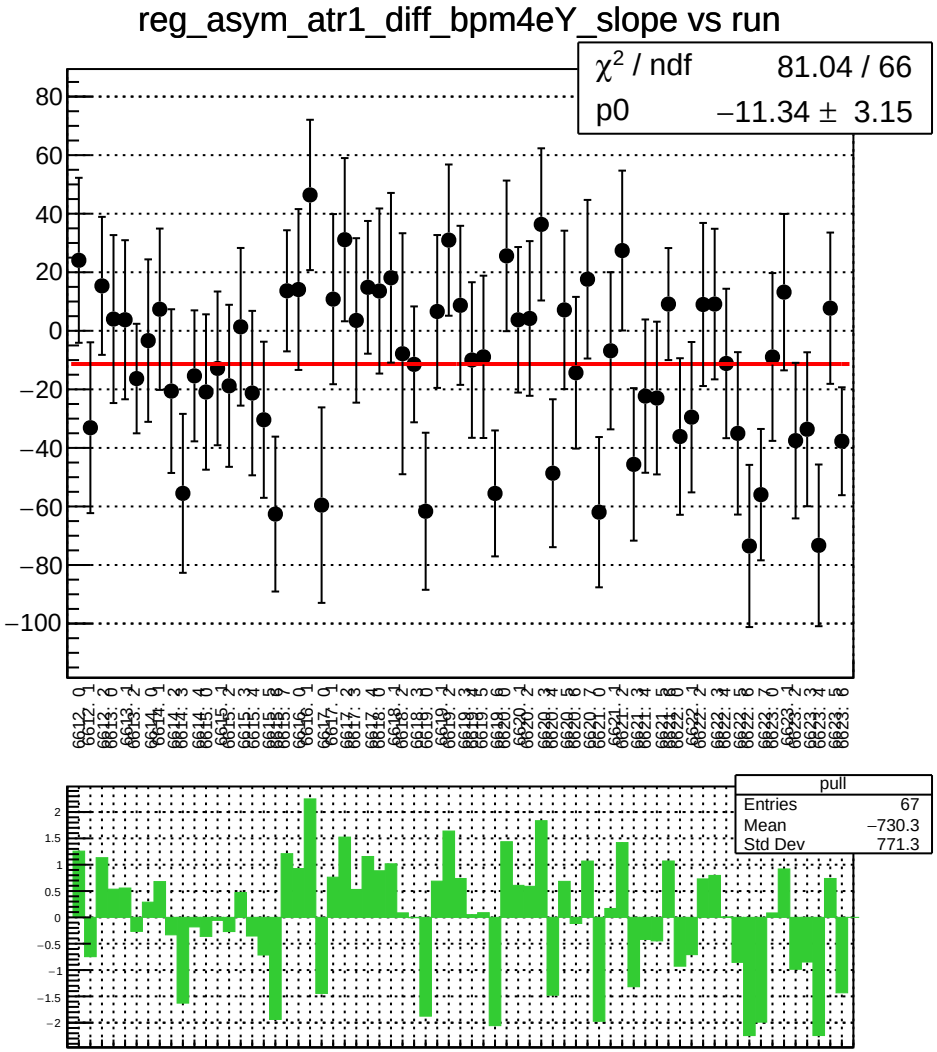

pull1D
Entries 67
Mean −0.01298
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

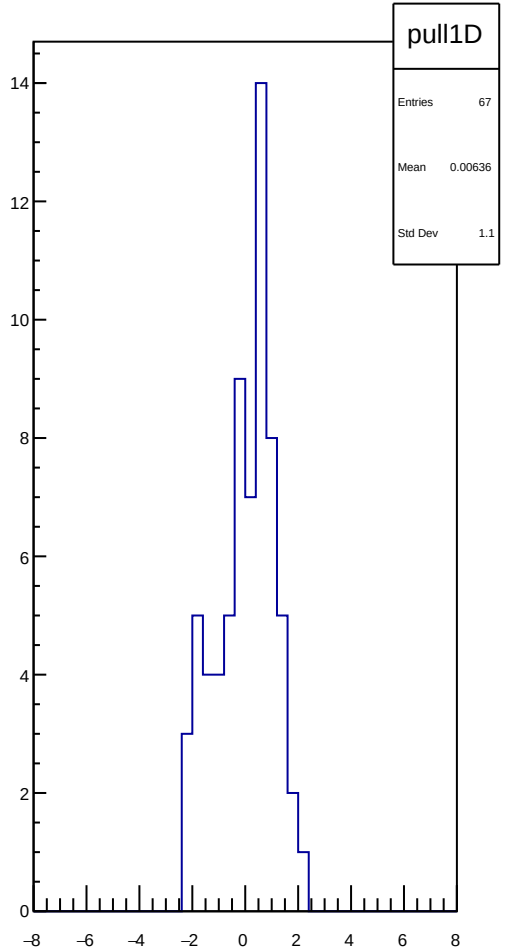

reg_asym_atr1_diff_bpm4aY_slope vs run
χ2 / ndf 73.17 / 66
p0 11.36 ± 2.632
pull
Entries 67
Mean 443.4
Std Dev 402

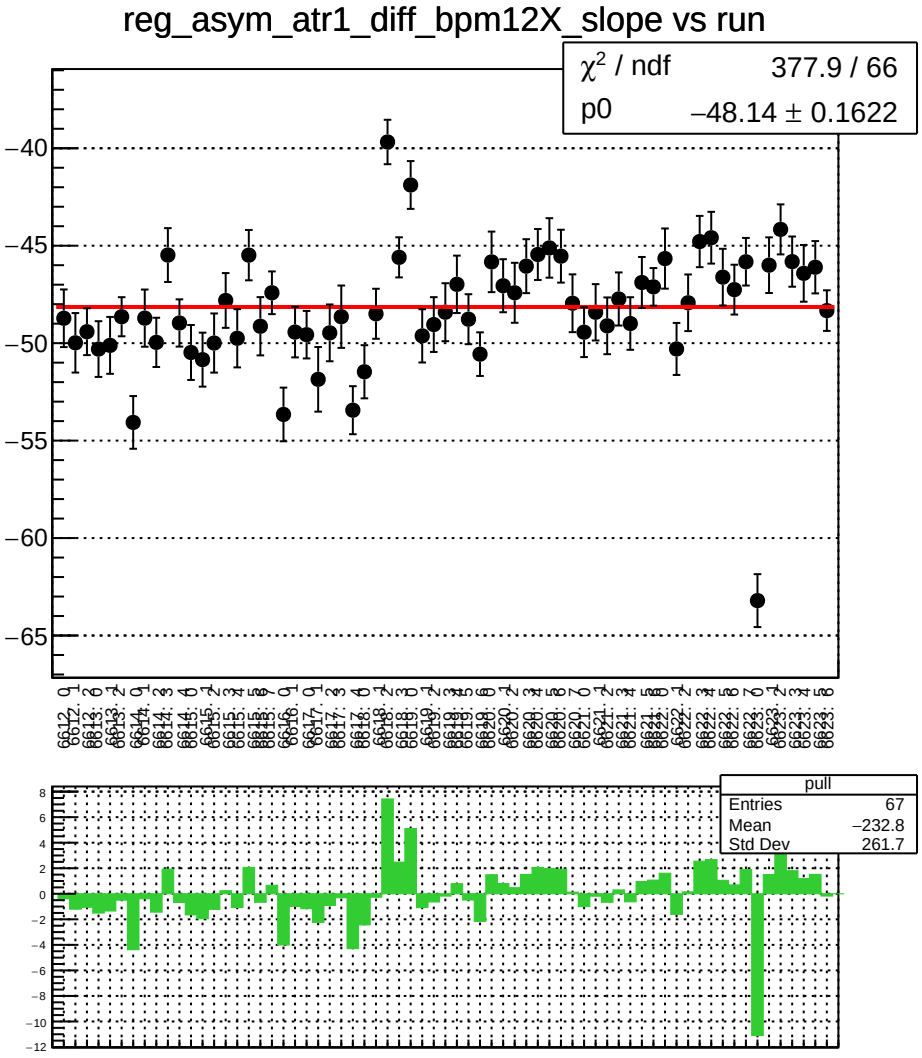

pull1D
Entries 67
Mean 0.01012
Std Dev 1.045

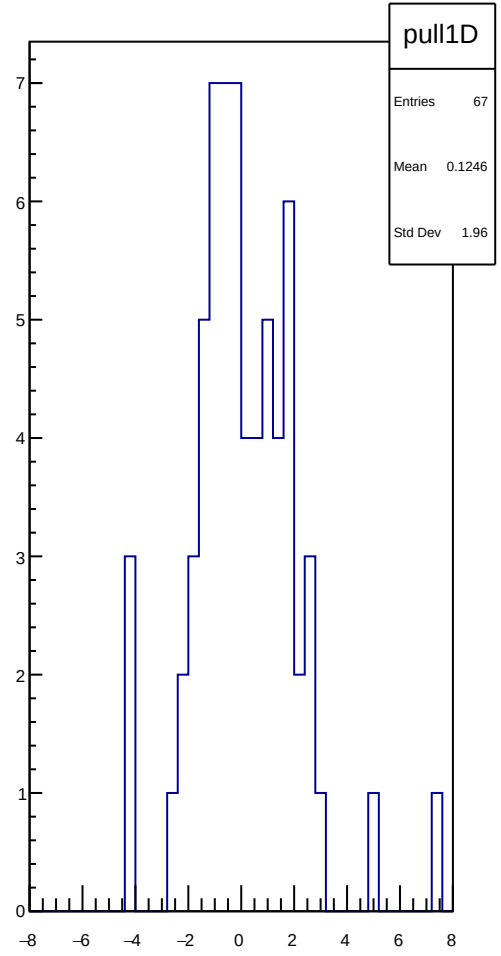

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 71.8 / 66
p0 48.09 ± 4.048
pull
Entries 67
Mean 147.9
Std Dev 107.6

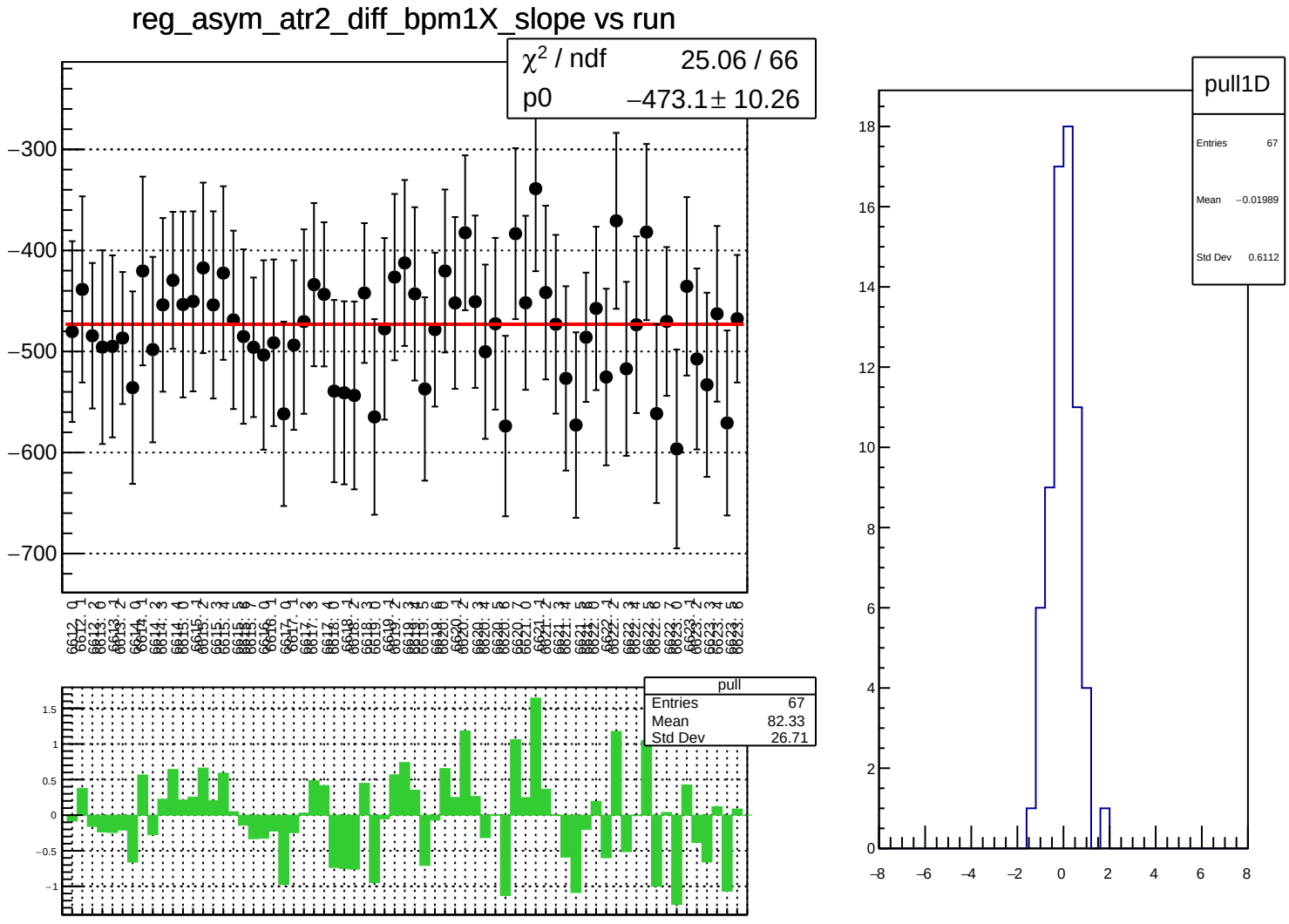

pull1D
Entries 67
Mean 0.01419
Std Dev 1.035

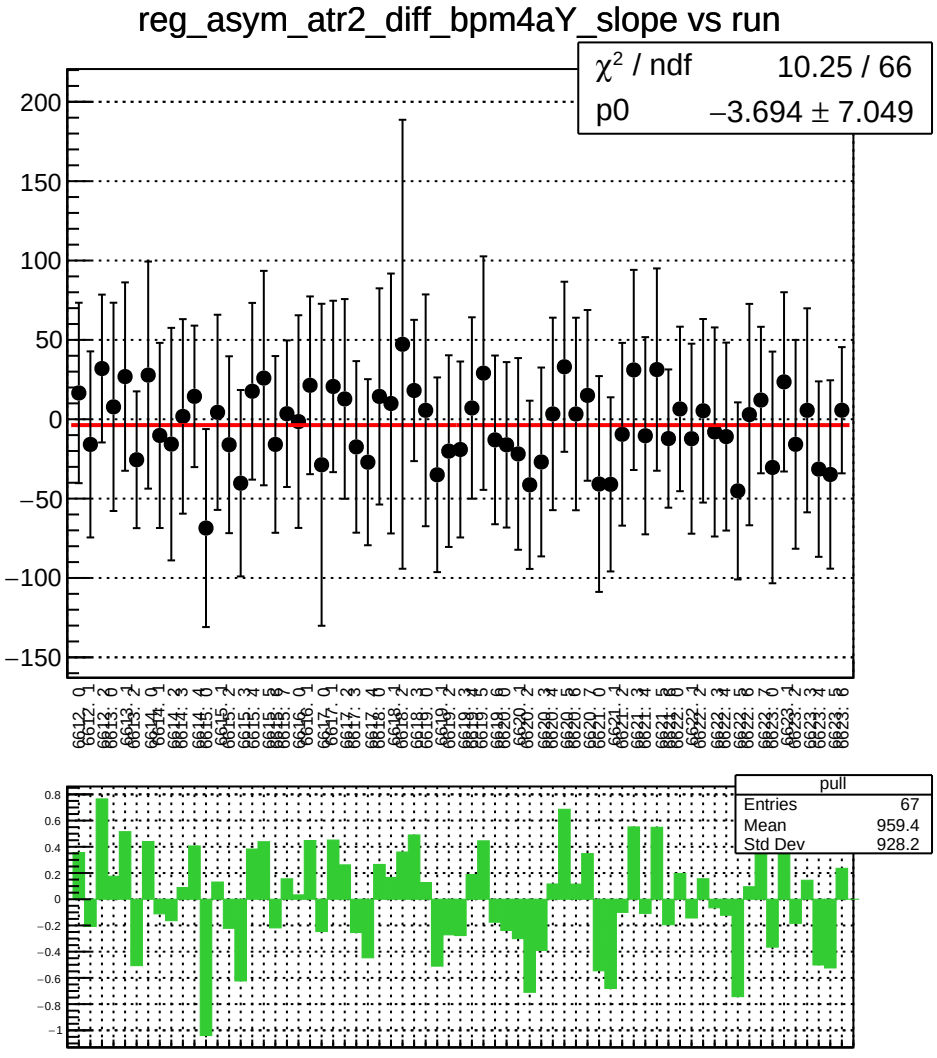

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 81.04 / 66
p0 −11.34 ± 3.15
pull
Entries 67
Mean −730.3
Std Dev 771.3

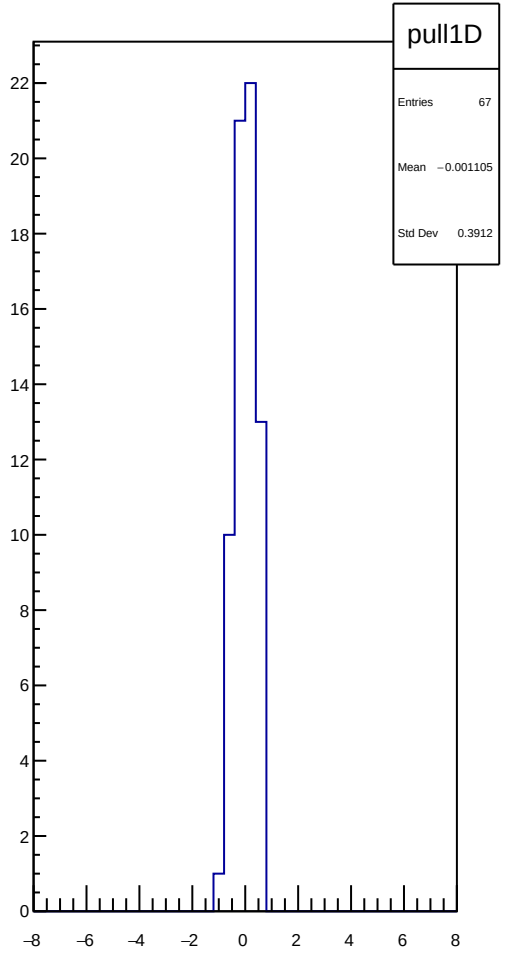

pull1D
Entries 67
Mean 0.00636
Std Dev 1.1

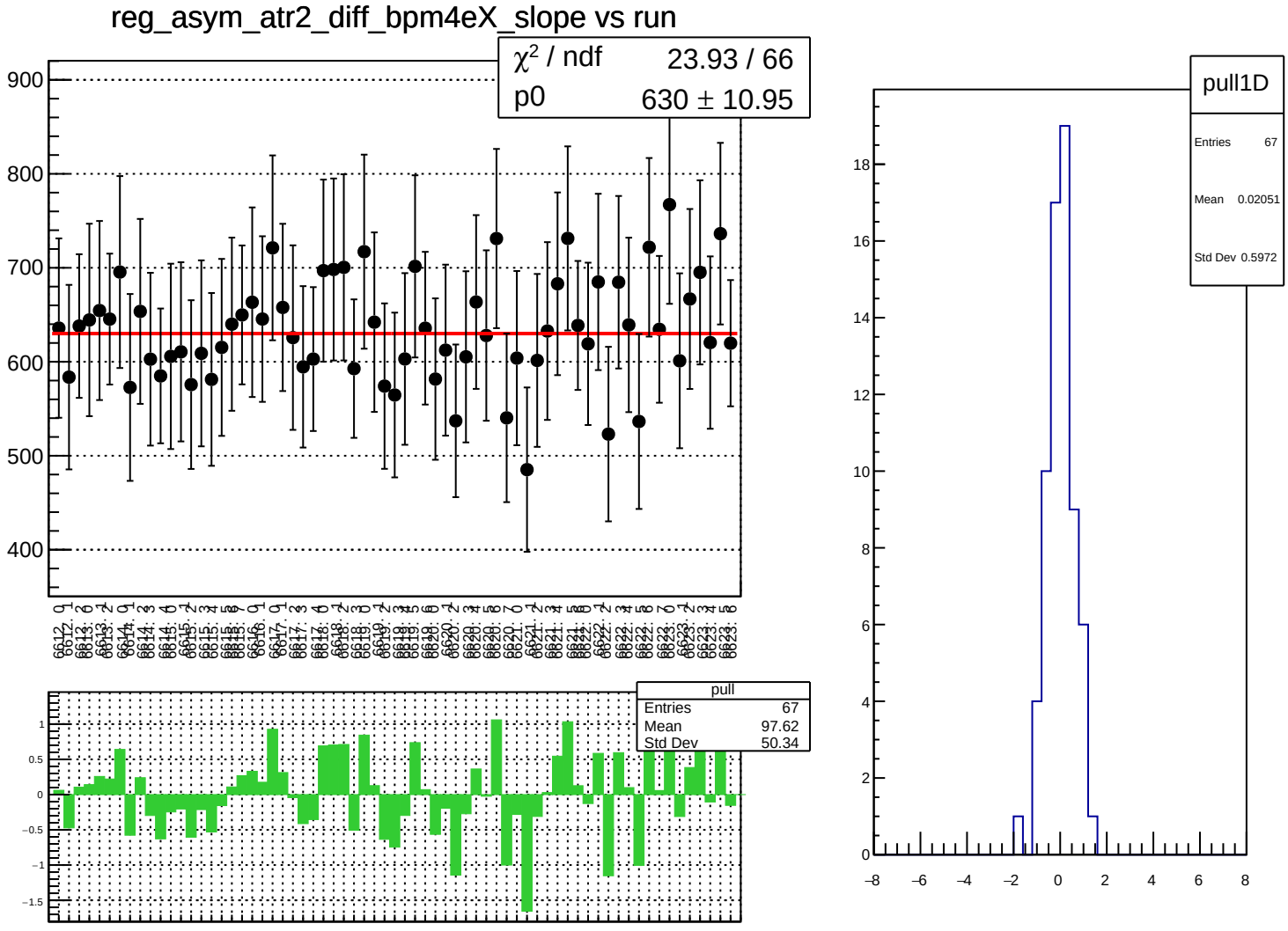

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 377.9 / 66
p0 –48.14 ± 0.1622
pull
Entries 67
Mean –232.8
Std Dev 261.7

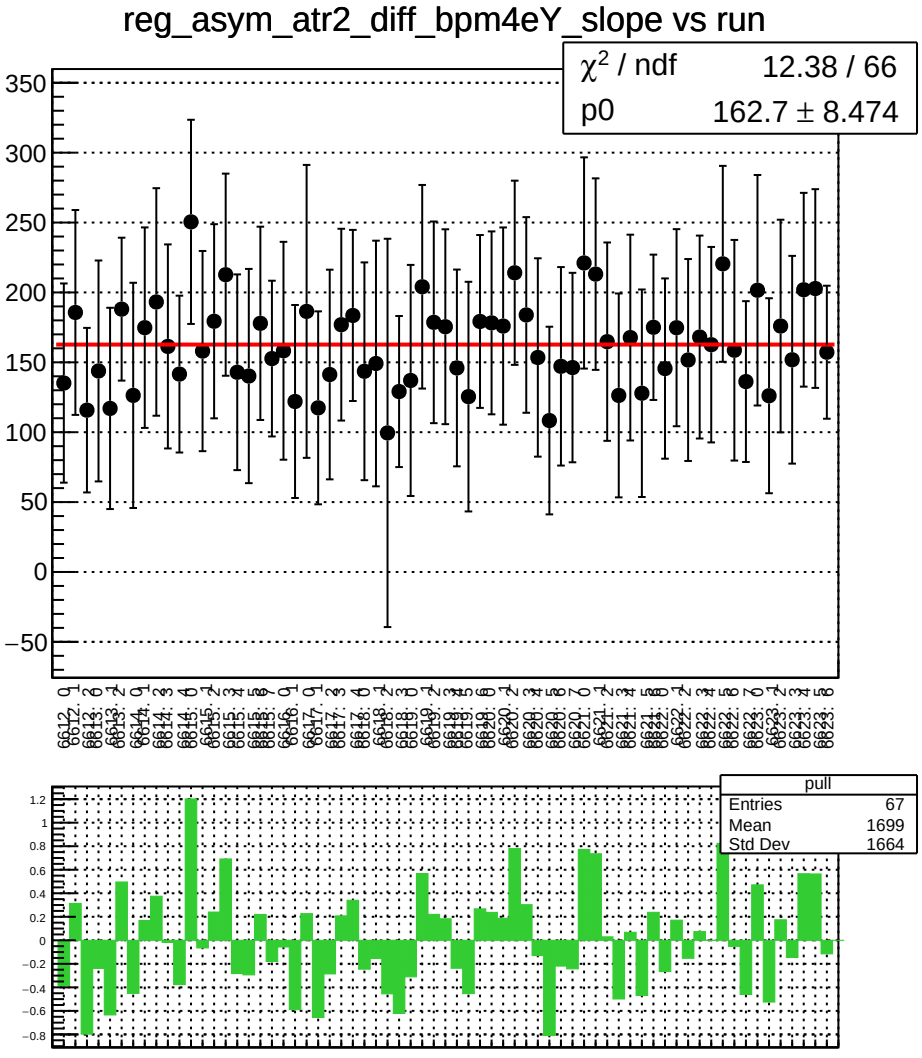

pull1D
Entries 67
Mean 0.1246
Std Dev 1.96

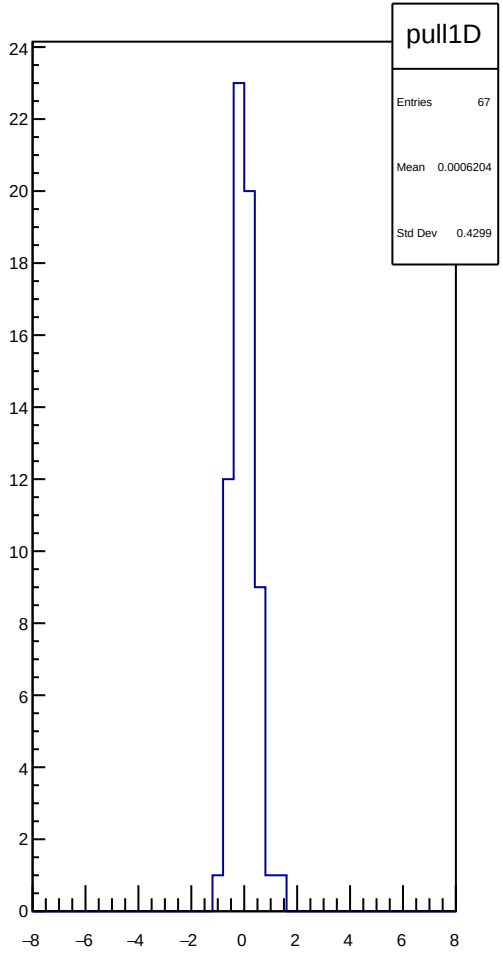

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 25.06 / 66
p0 −473.1 ± 10.26
pull
Entries 67
Mean 82.33
Std Dev 26.71
pull1D
Entries 67
Mean −0.01989
Std Dev 0.6112

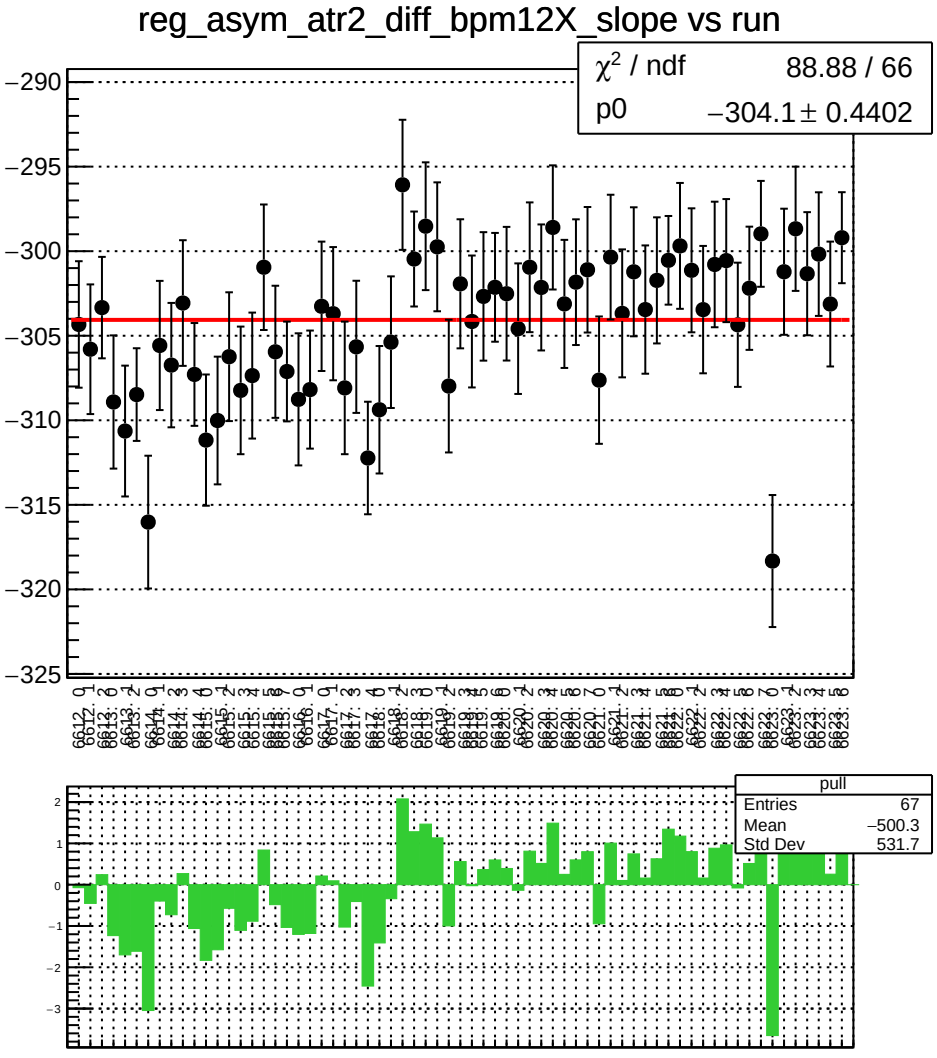

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 10.25 / 66
p0 −3.694 ± 7.049
pull
Entries 67
Mean 959.4
Std Dev 928.2

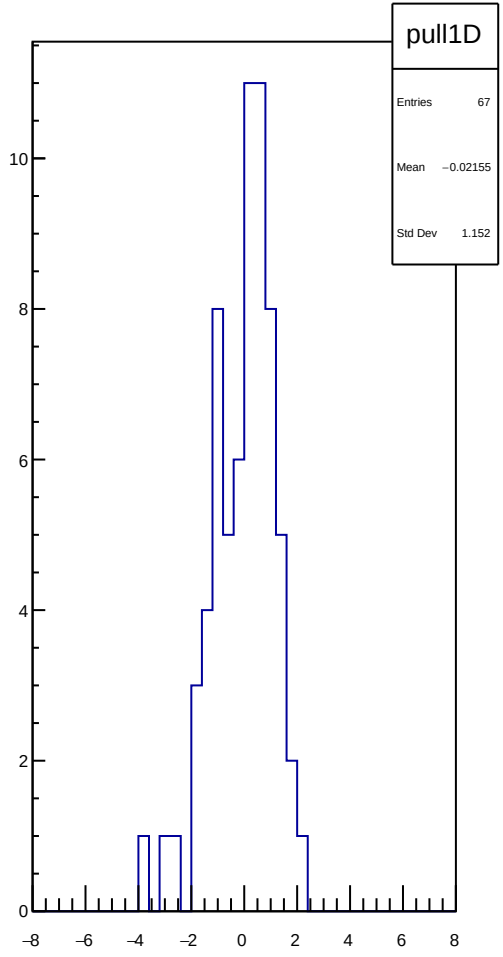

pull1D
Entries 67
Mean −0.001105
Std Dev 0.3912

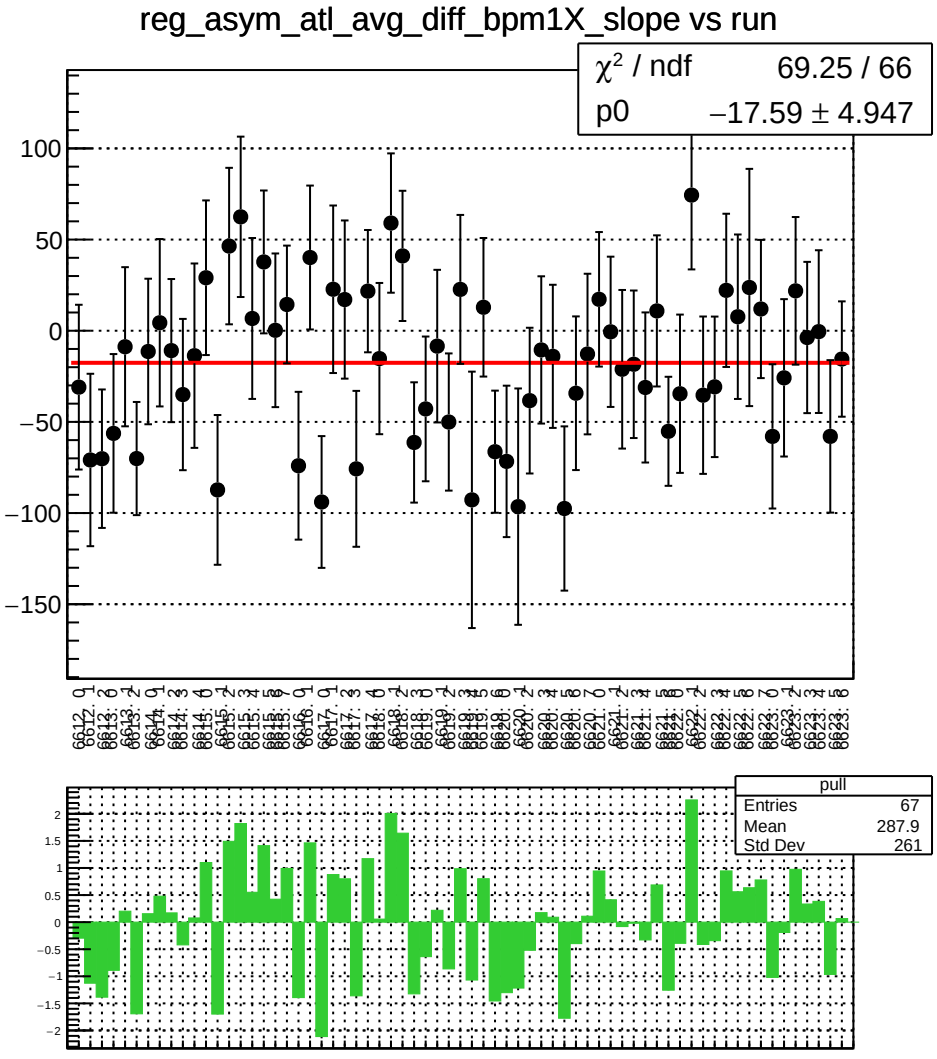

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 23.93 / 66
p0 630 ± 10.95
pull
Entries 67
Mean 97.62
Std Dev 50.34
pull1D
Entries 67
Mean 0.02051
Std Dev 0.5972

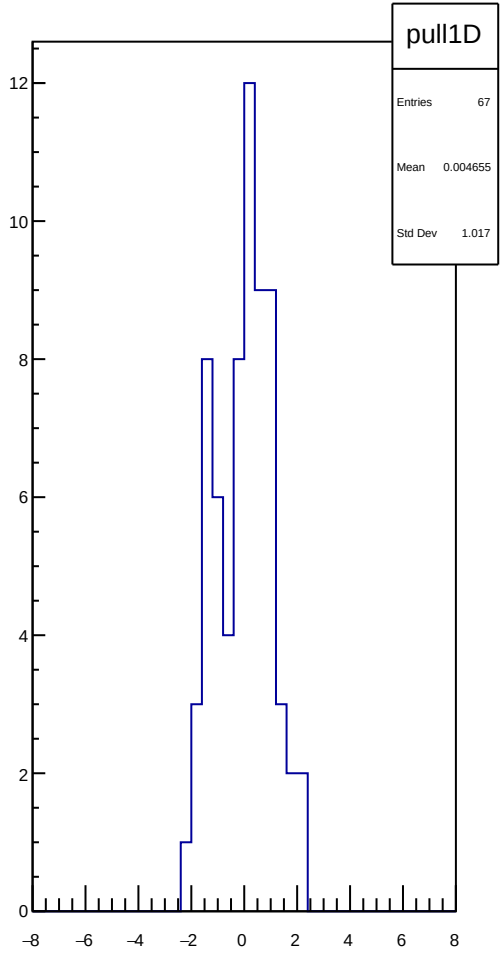

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 12.38 / 66
p0 162.7 ± 8.474
pull
Entries 67
Mean 1699
Std Dev 1664

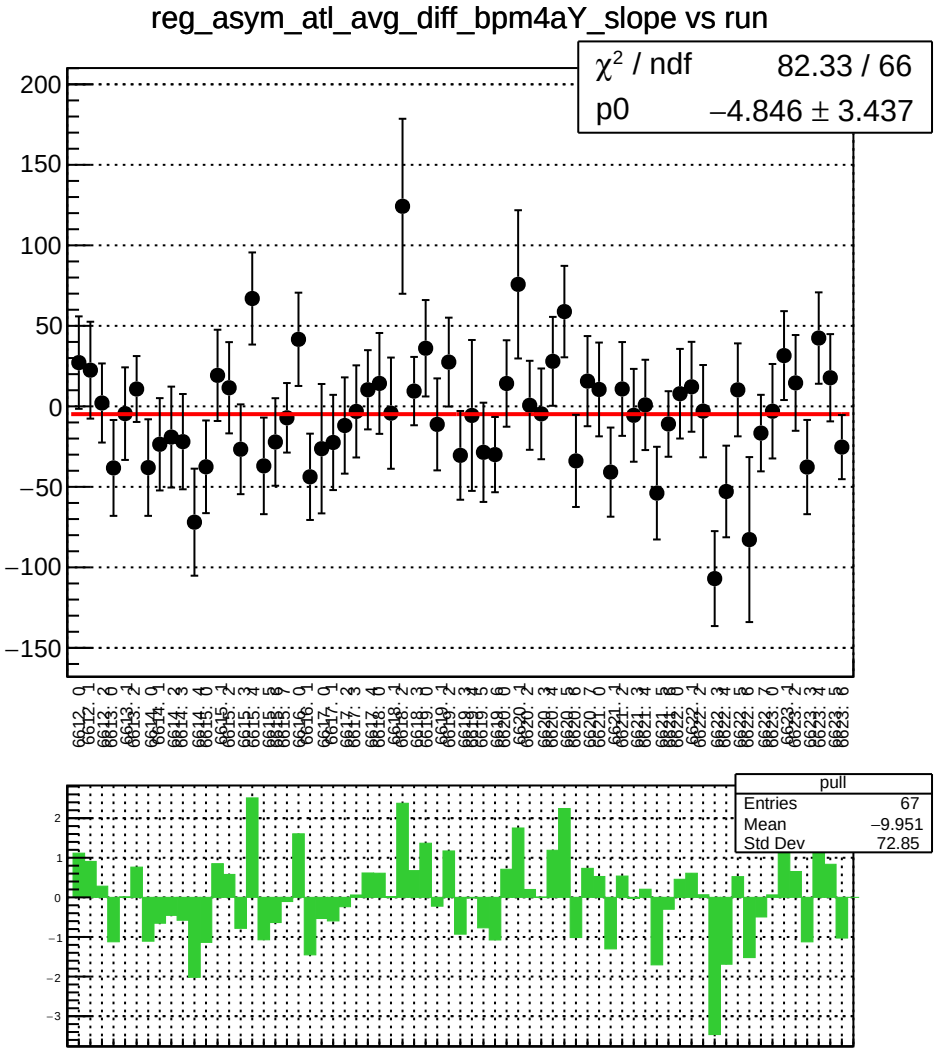

pull1D
Entries 67
Mean 0.0006204
Std Dev 0.4299

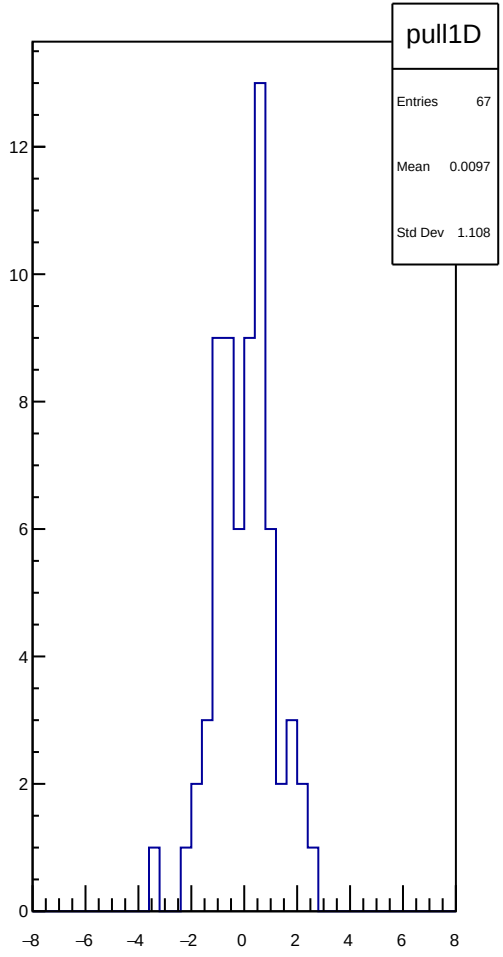

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 88.88 / 66
p0 −304.1 ± 0.4402
pull
Entries 67
Mean −500.3
Std Dev 531.7

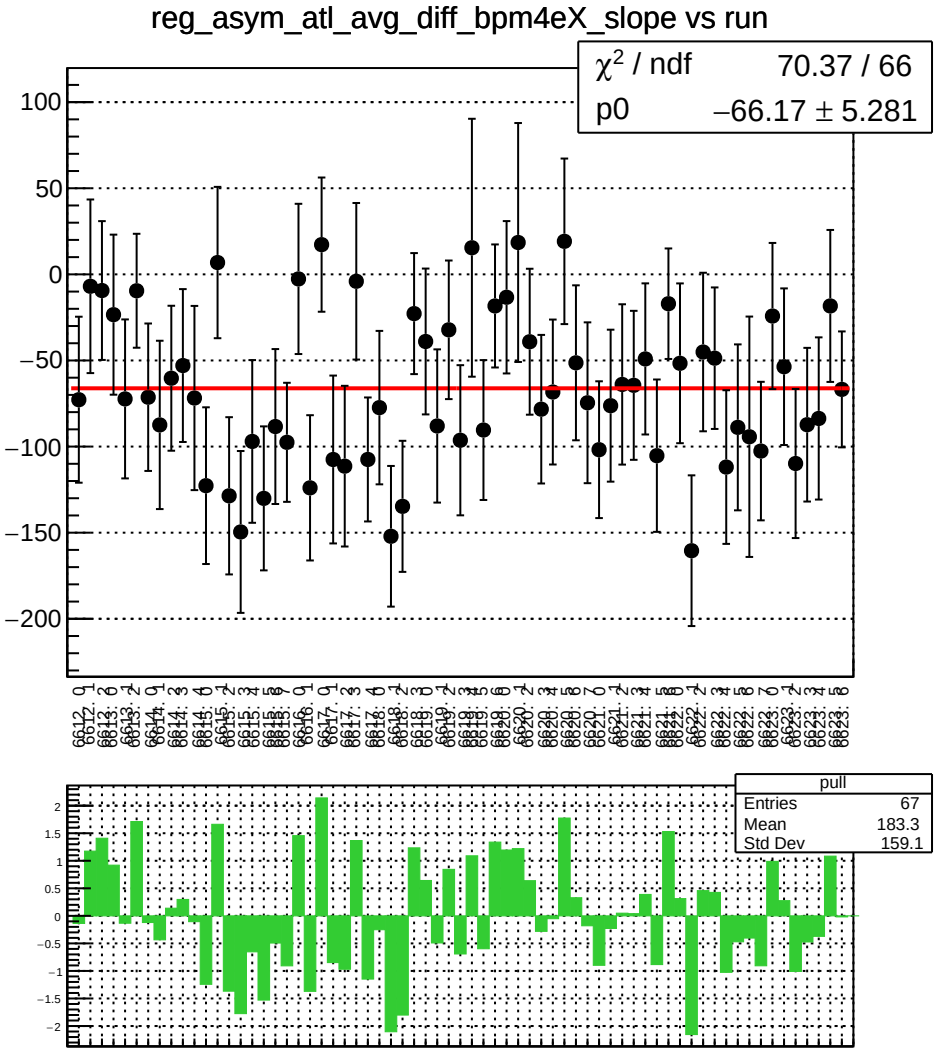

pull1D
Entries 67
Mean −0.02155
Std Dev 1.152

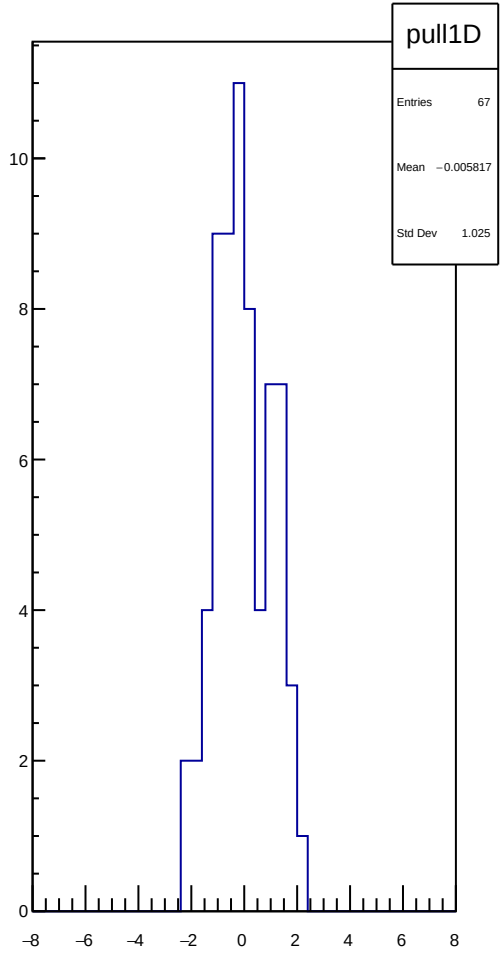

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 69.25 / 66
p0 −17.59 ± 4.947
pull
Entries 67
Mean 287.9
Std Dev 261

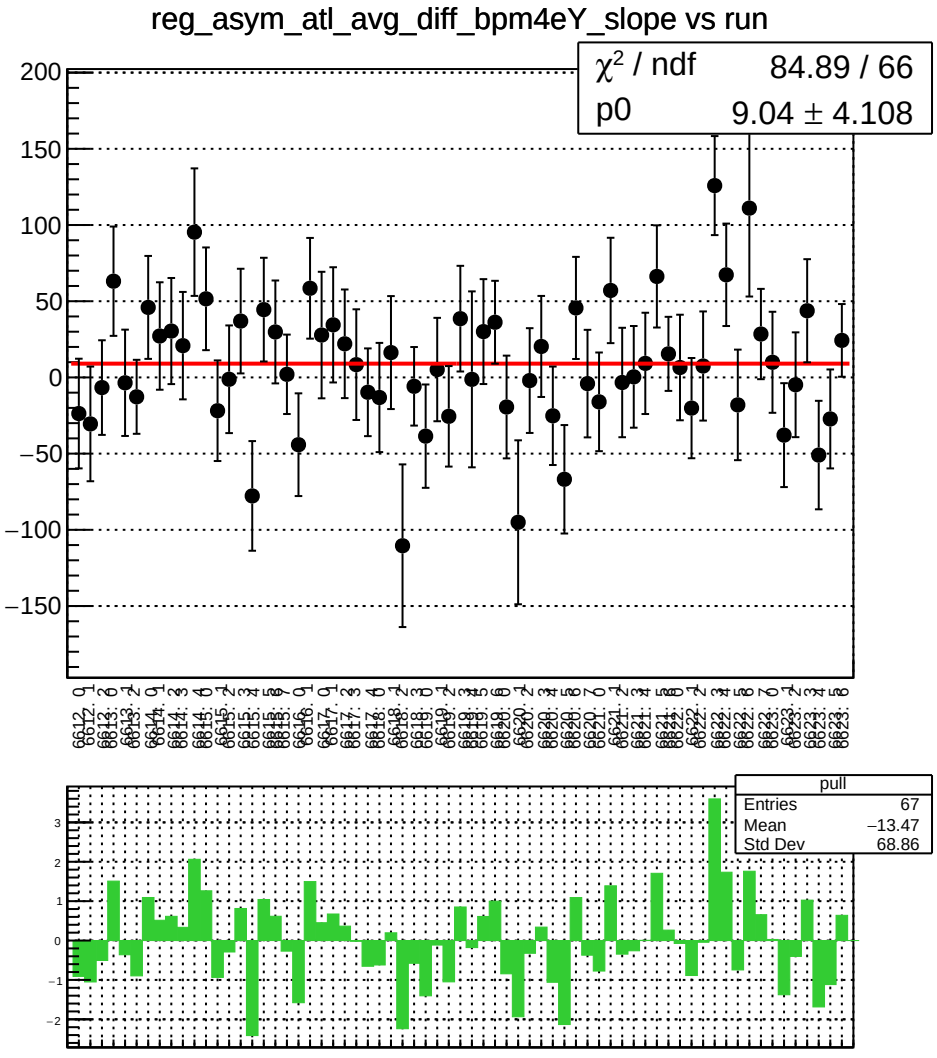

pull1D
Entries 67
Mean 0.004655
Std Dev 1.017

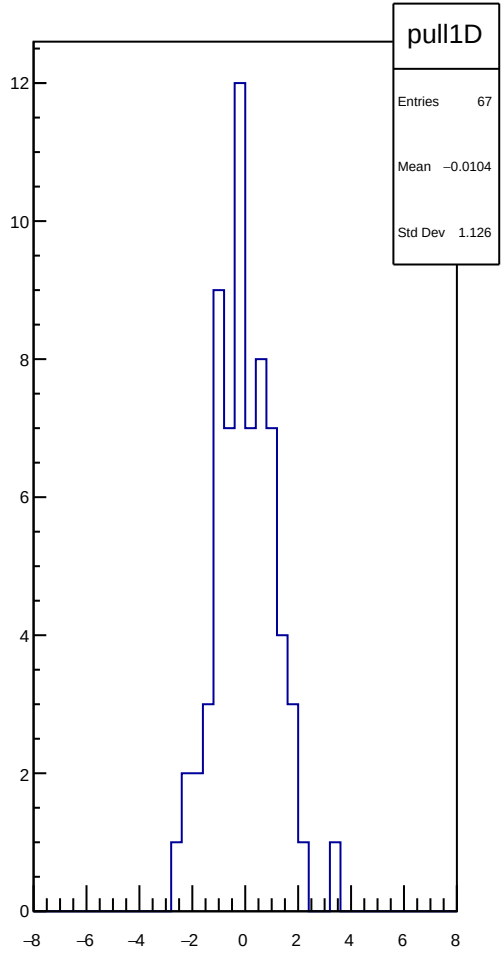

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.33 / 66
p0 −4.846 ± 3.437
pull
Entries 67
Mean −9.951
Std Dev 72.85

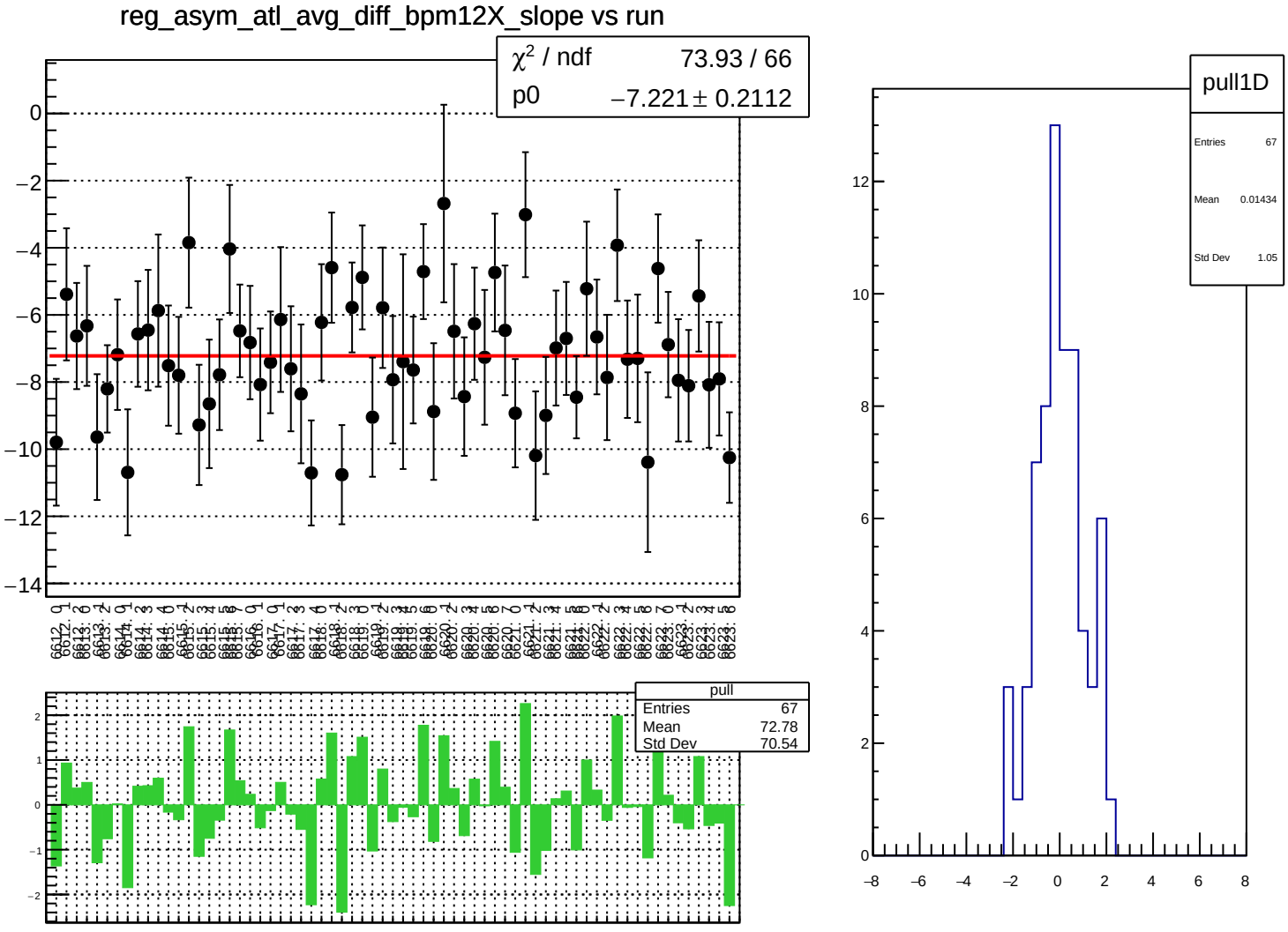

pull1D
Entries 67
Mean 0.0097
Std Dev 1.108

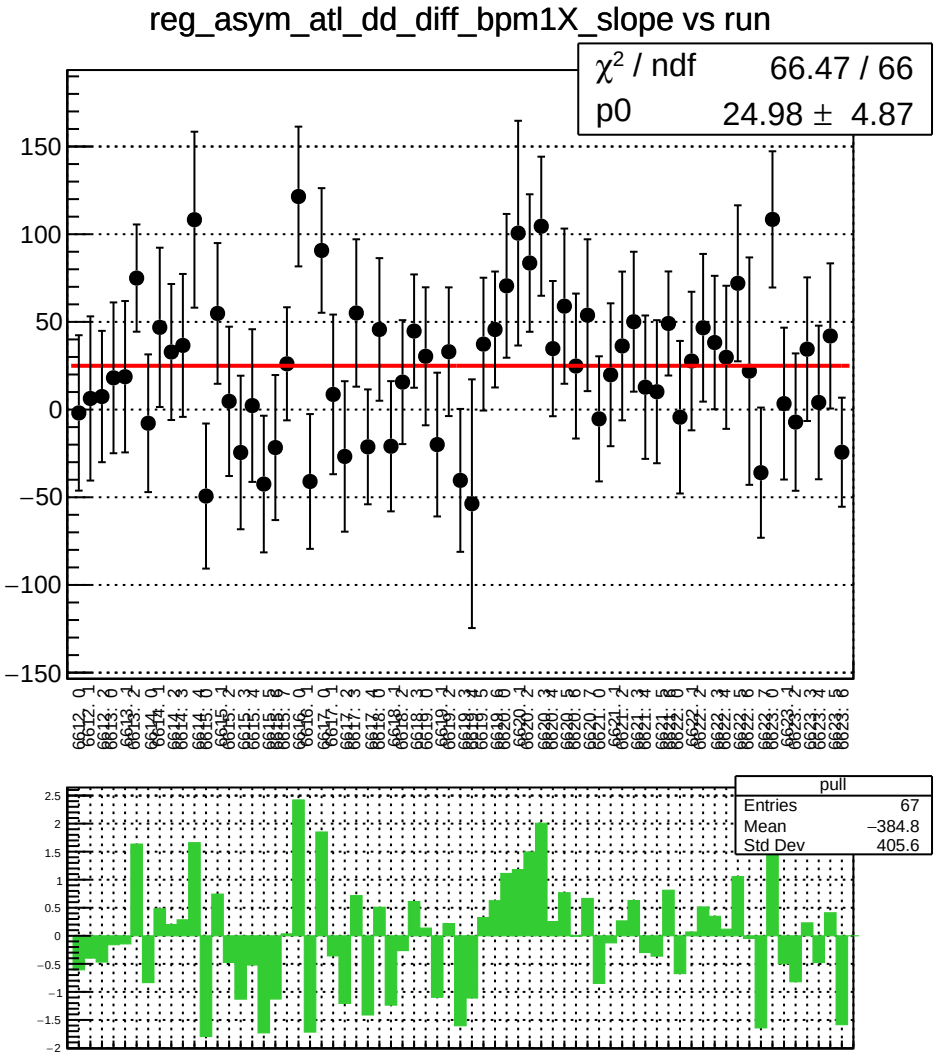

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 70.37 / 66
p0 −66.17 ± 5.281
pull
Entries 67
Mean 183.3
Std Dev 159.1

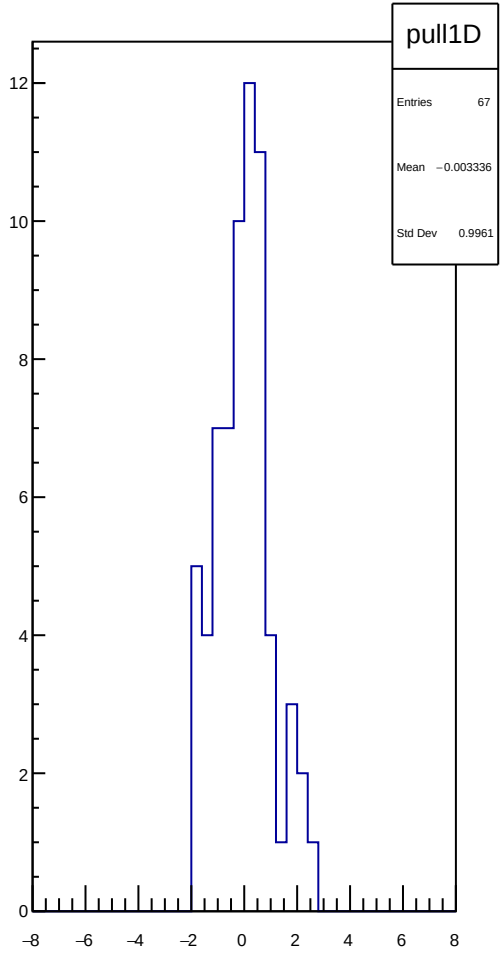

pull1D
Entries 67
Mean −0.005817
Std Dev 1.025

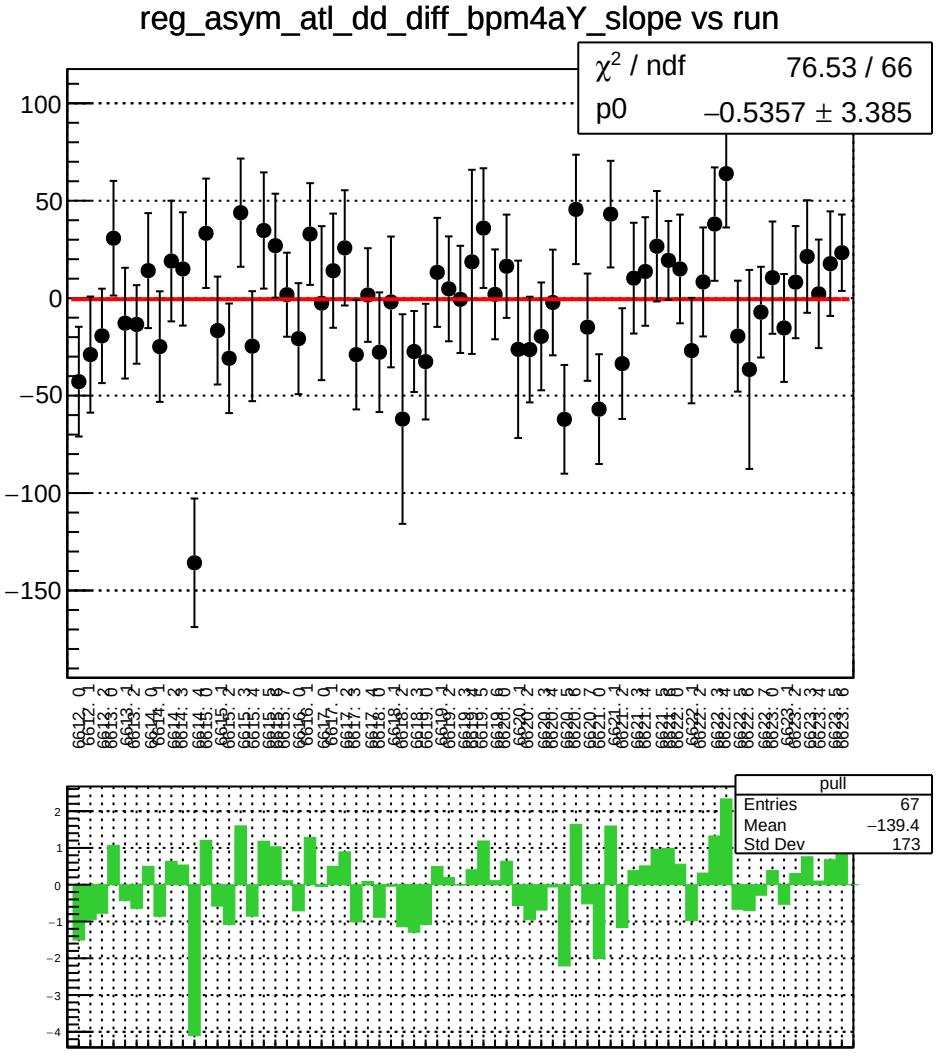

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.89 / 66
p0 9.04 ± 4.108
pull
Entries 67
Mean −13.47
Std Dev 68.86

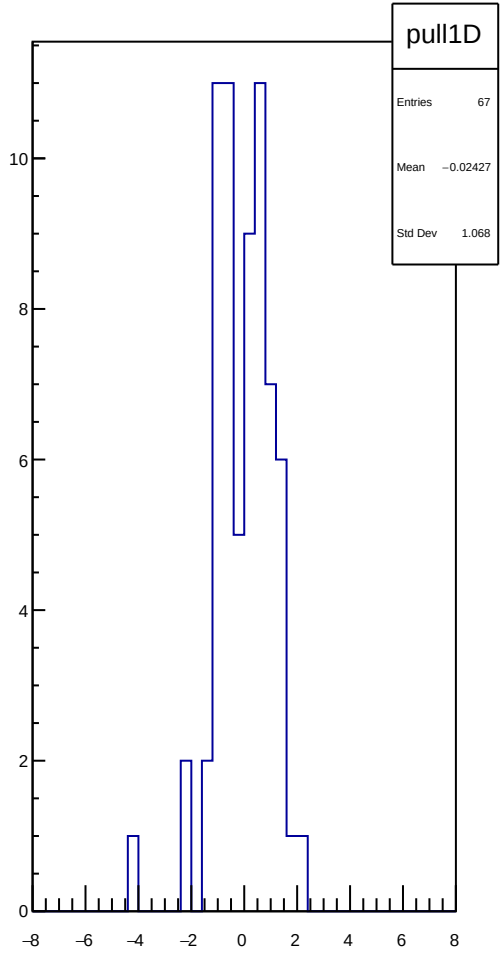

pull1D
Entries 67
Mean −0.0104
Std Dev 1.126

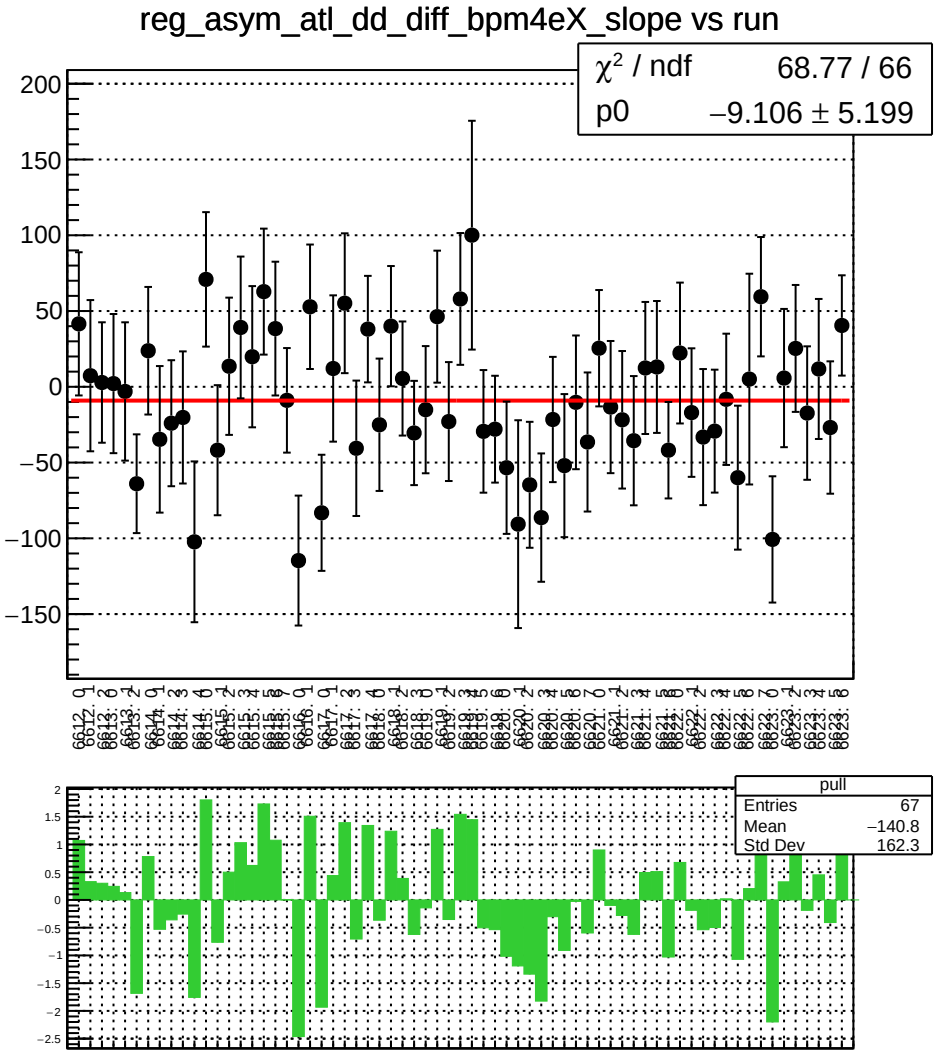

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 73.93 / 66
p0 -7.221 ± 0.2112
pull
Entries 67
Mean 72.78
Std Dev 70.54
pull1D
Entries 67
Mean 0.01434
Std Dev 1.05

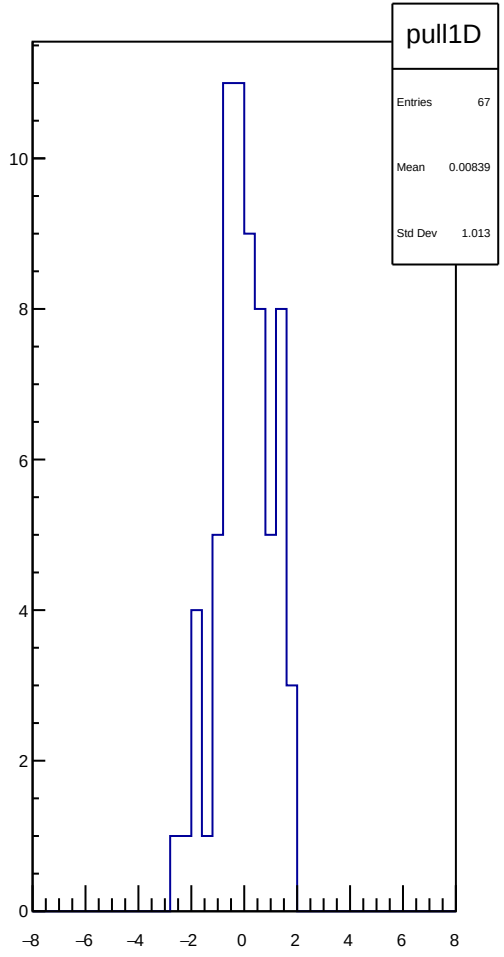

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 66.47 / 66
p0 24.98 ± 4.87
pull
Entries 67
Mean −384.8
Std Dev 405.6

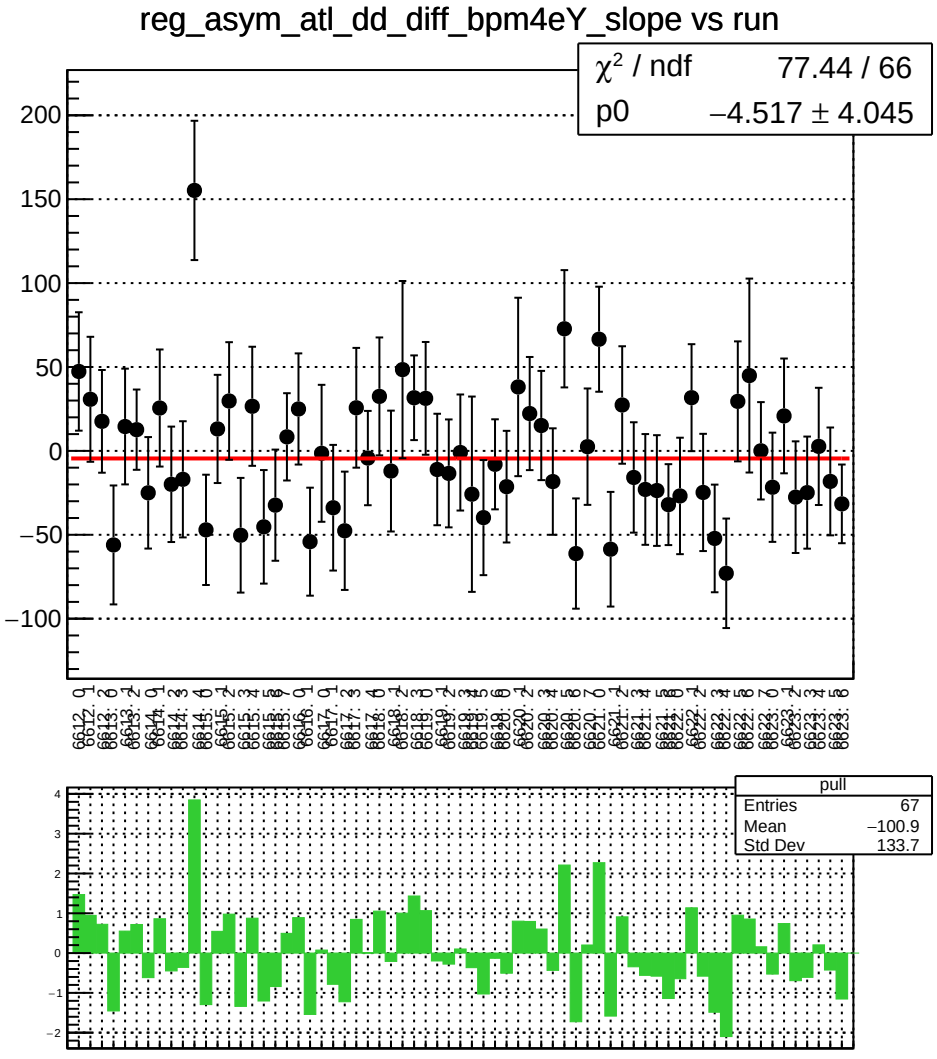

pull1D
Entries 67
Mean −0.003336
Std Dev 0.9961

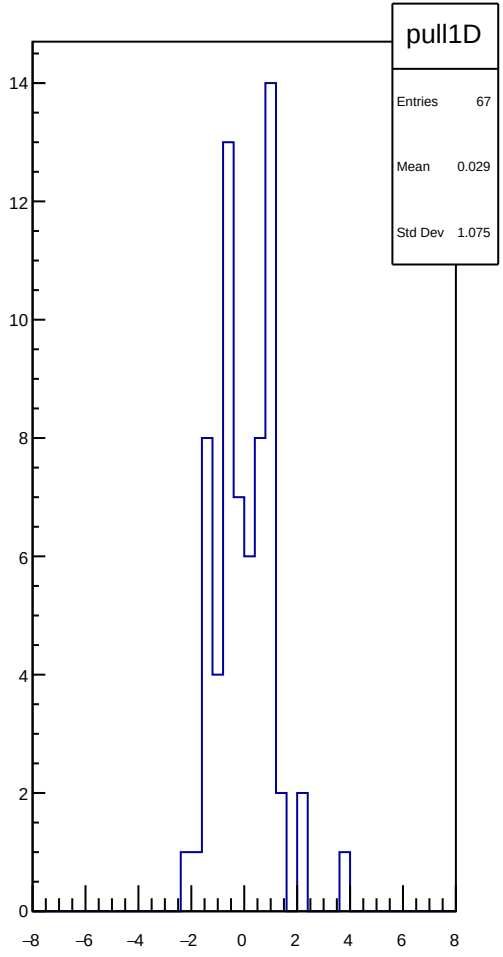

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.53 / 66
p0 −0.5357 ± 3.385
pull
Entries 67
Mean −139.4
Std Dev 173

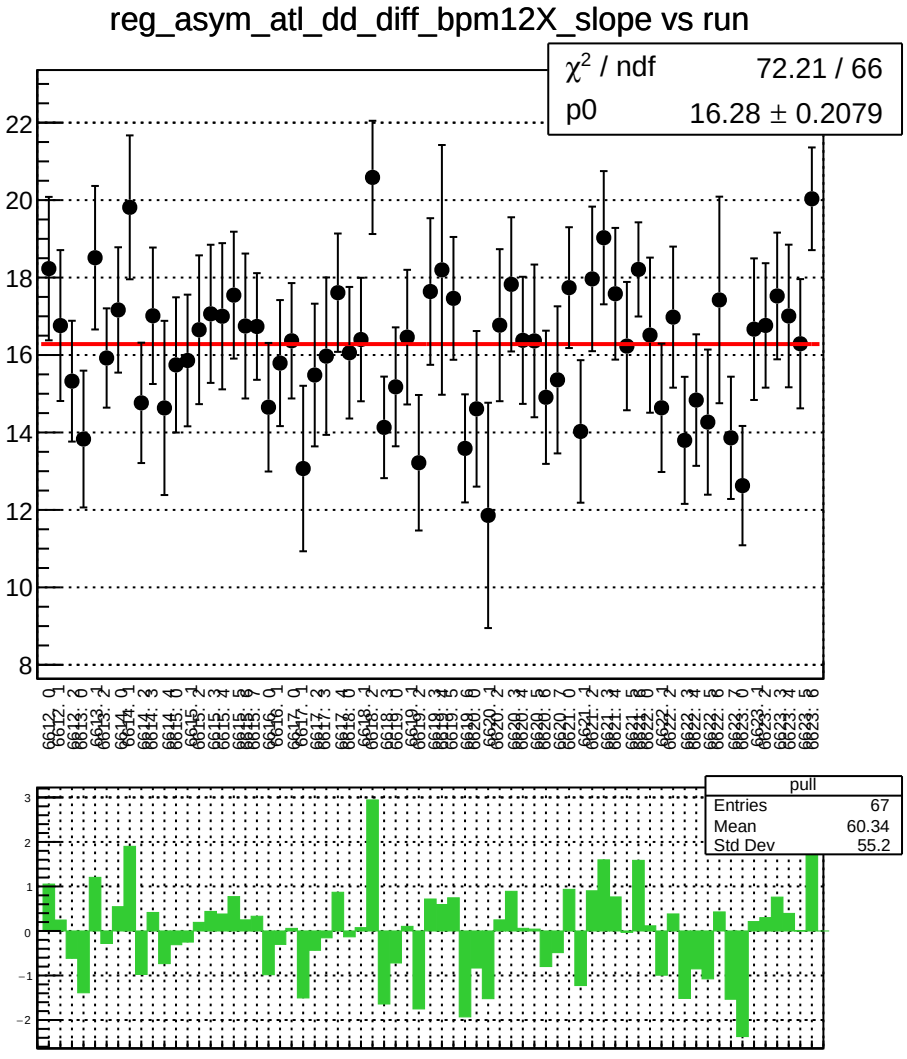

pull1D
Entries 67
Mean −0.02427
Std Dev 1.068

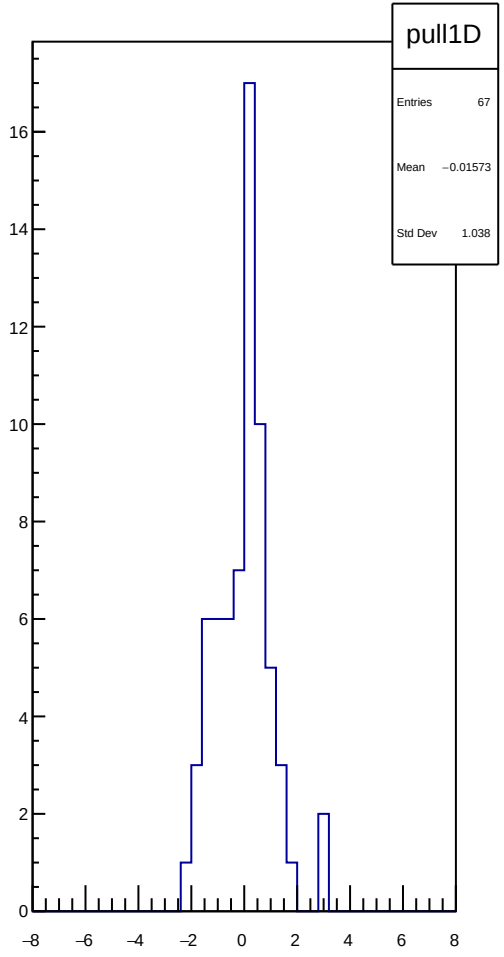

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.77 / 66
p0 −9.106 ± 5.199
pull
Entries 67
Mean −140.8
Std Dev 162.3

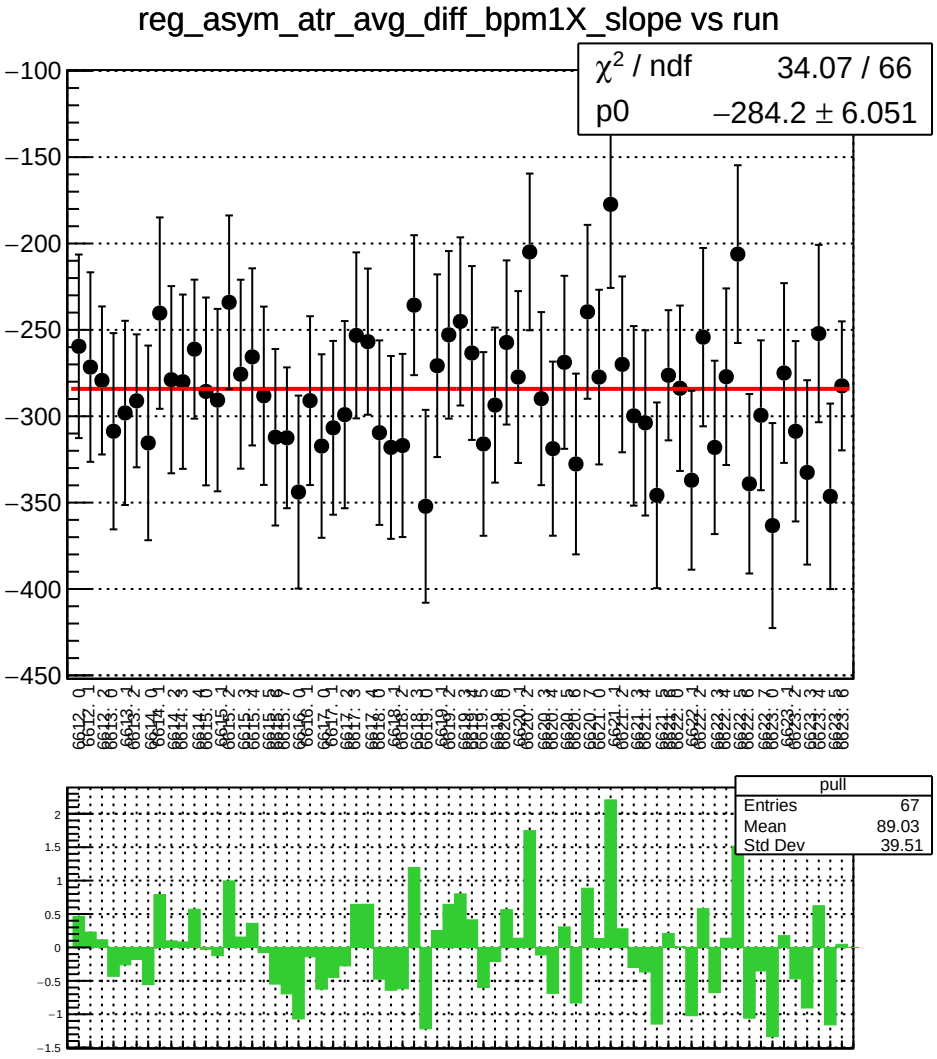

pull1D
Entries 67
Mean 0.00839
Std Dev 1.013

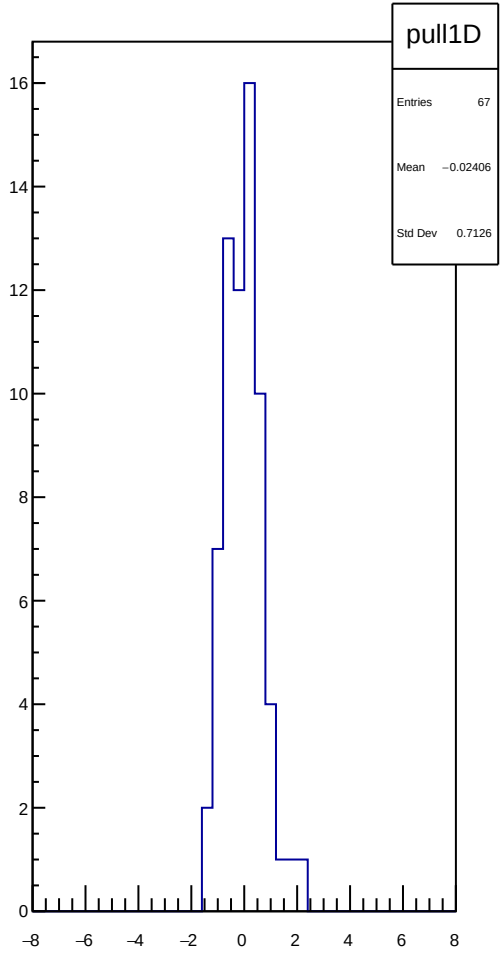

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.44 / 66
p0 −4.517 ± 4.045
pull
Entries 67
Mean −100.9
Std Dev 133.7

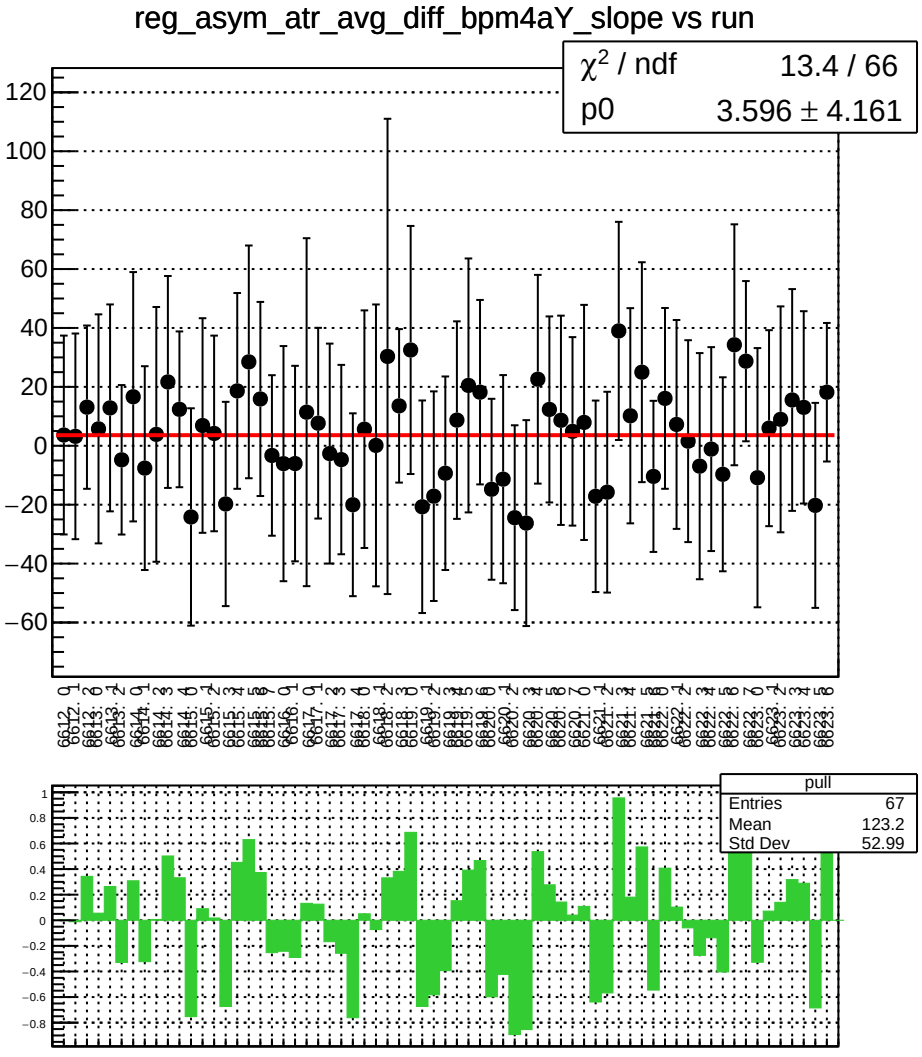

pull1D
Entries 67
Mean 0.029
Std Dev 1.075

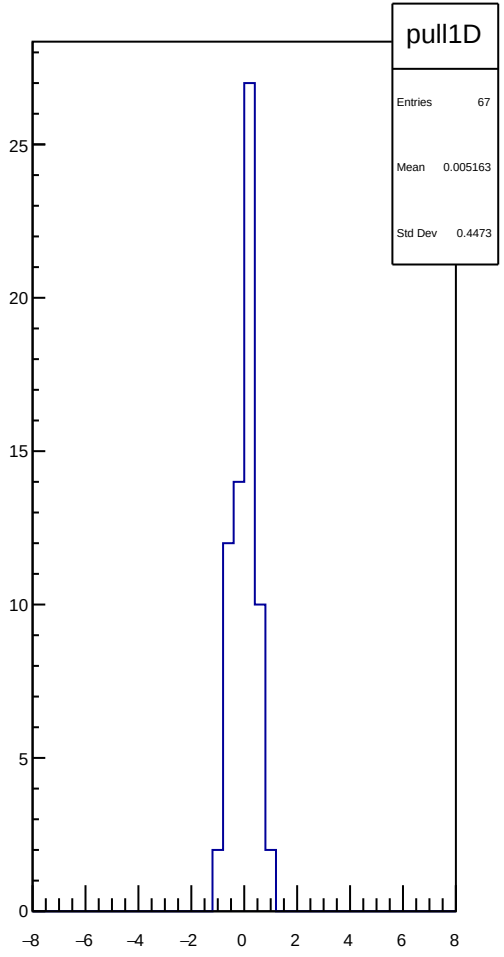

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 72.21 / 66
p0 16.28 ± 0.2079
pull
Entries 67
Mean 60.34
Std Dev 55.2

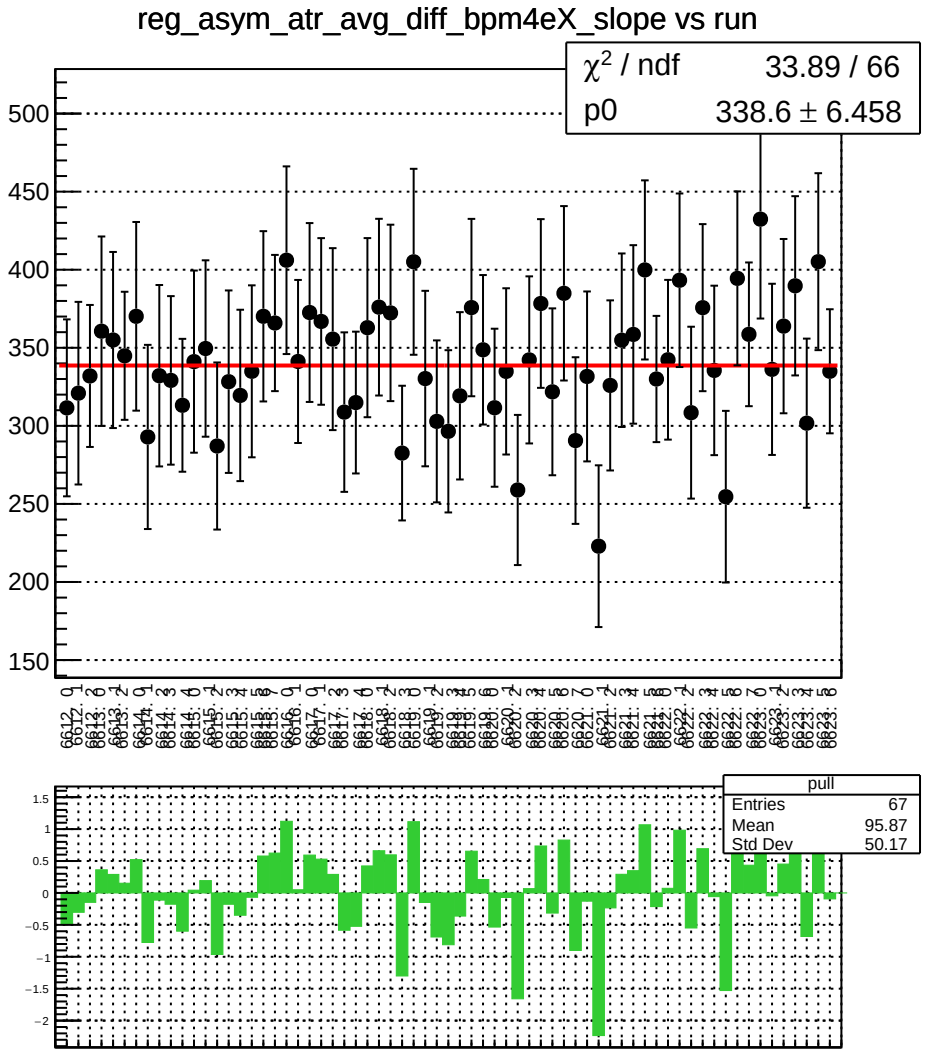

pull1D
Entries 67
Mean −0.01573
Std Dev 1.038

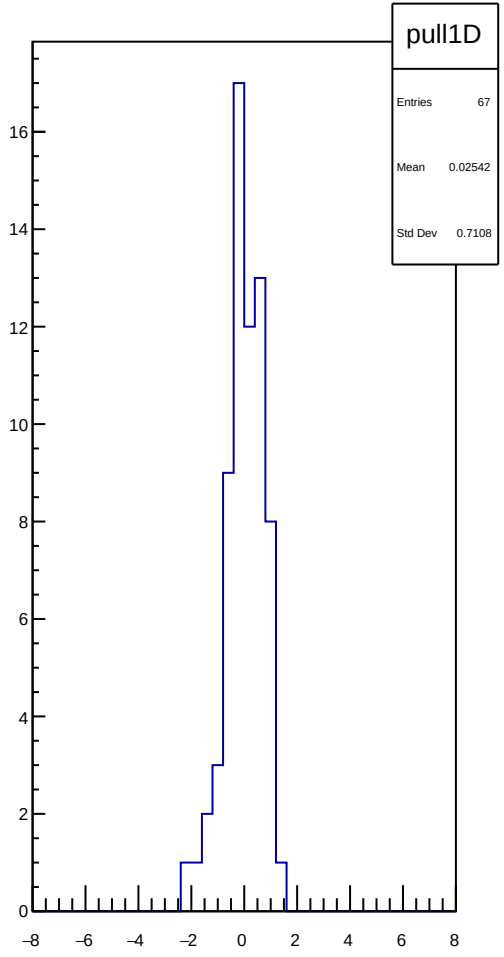

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 34.07 / 66
p0 −284.2 ± 6.051
pull
Entries 67
Mean 89.03
Std Dev 39.51

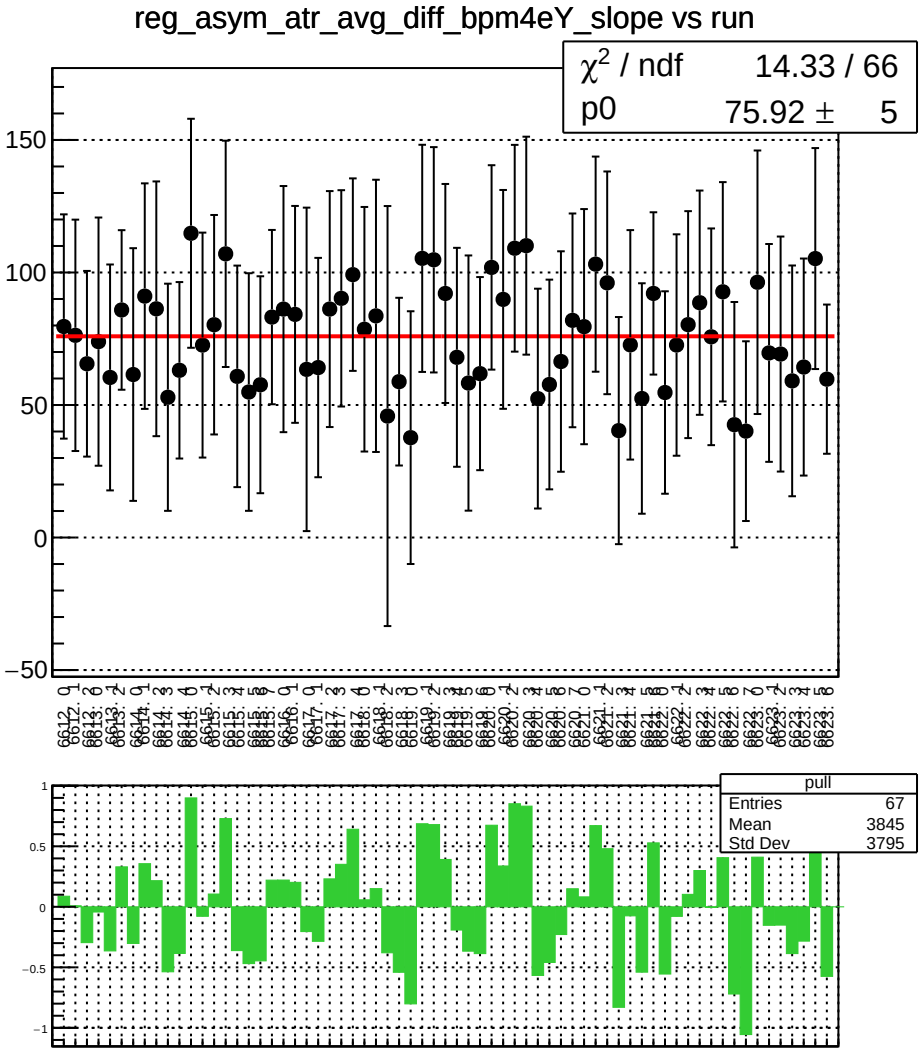

pull1D
Entries 67
Mean −0.02406
Std Dev 0.7126

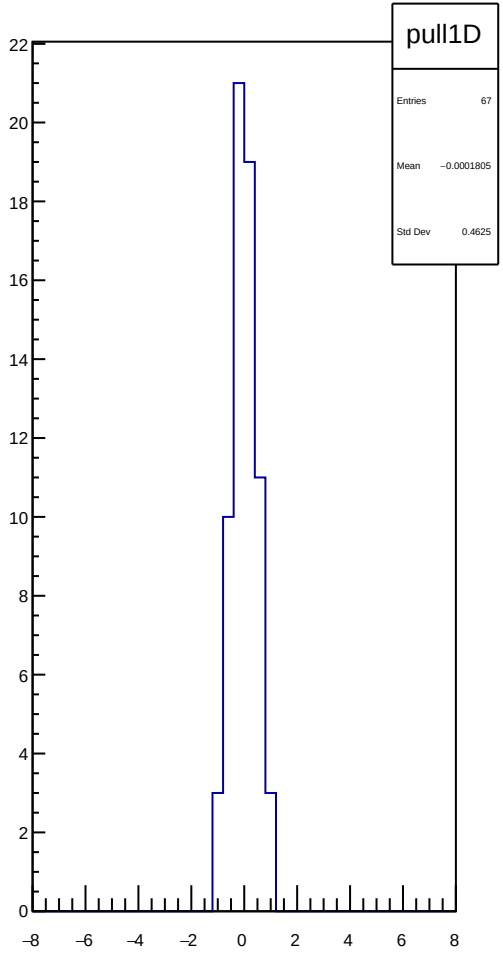

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 13.4 / 66
p0 3.596 ± 4.161
pull
Entries 67
Mean 123.2
Std Dev 52.99

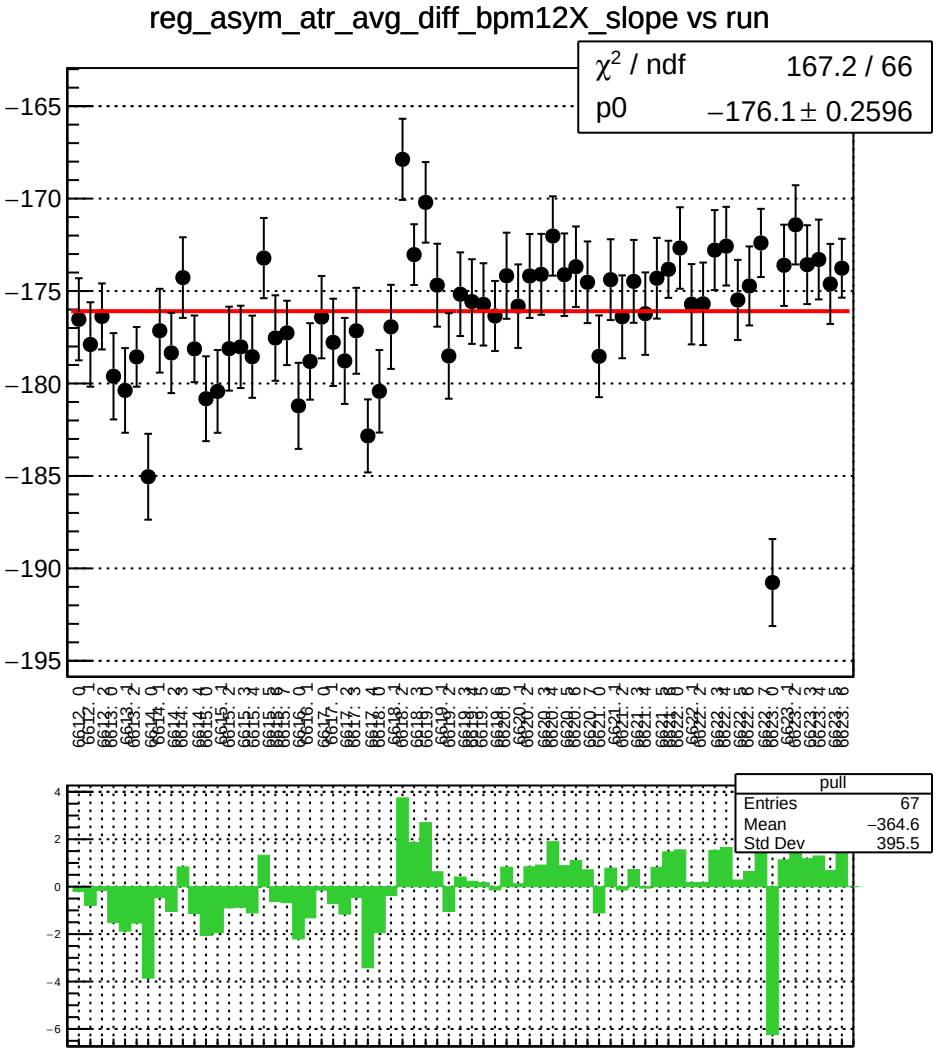

pull1D
Entries 67
Mean 0.005163
Std Dev 0.4473

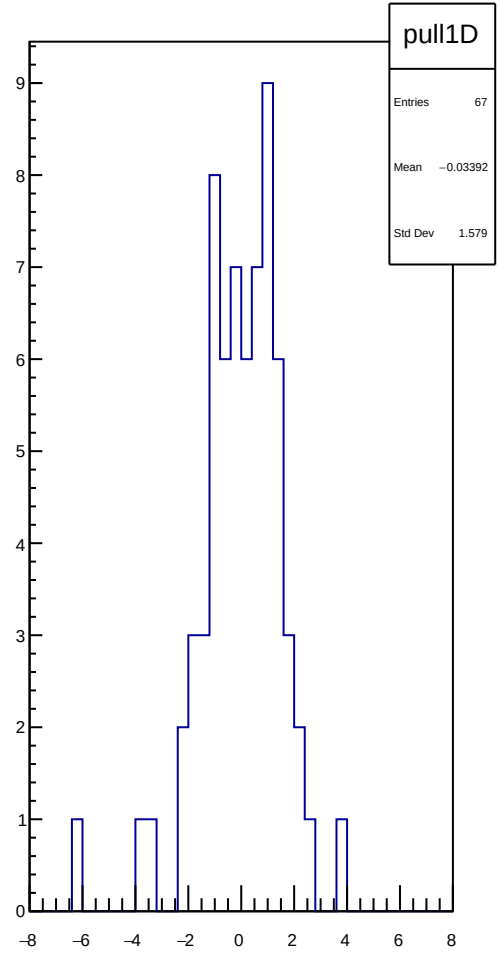

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.89 / 66
p0 338.6 ± 6.458
pull
Entries 67
Mean 95.87
Std Dev 50.17

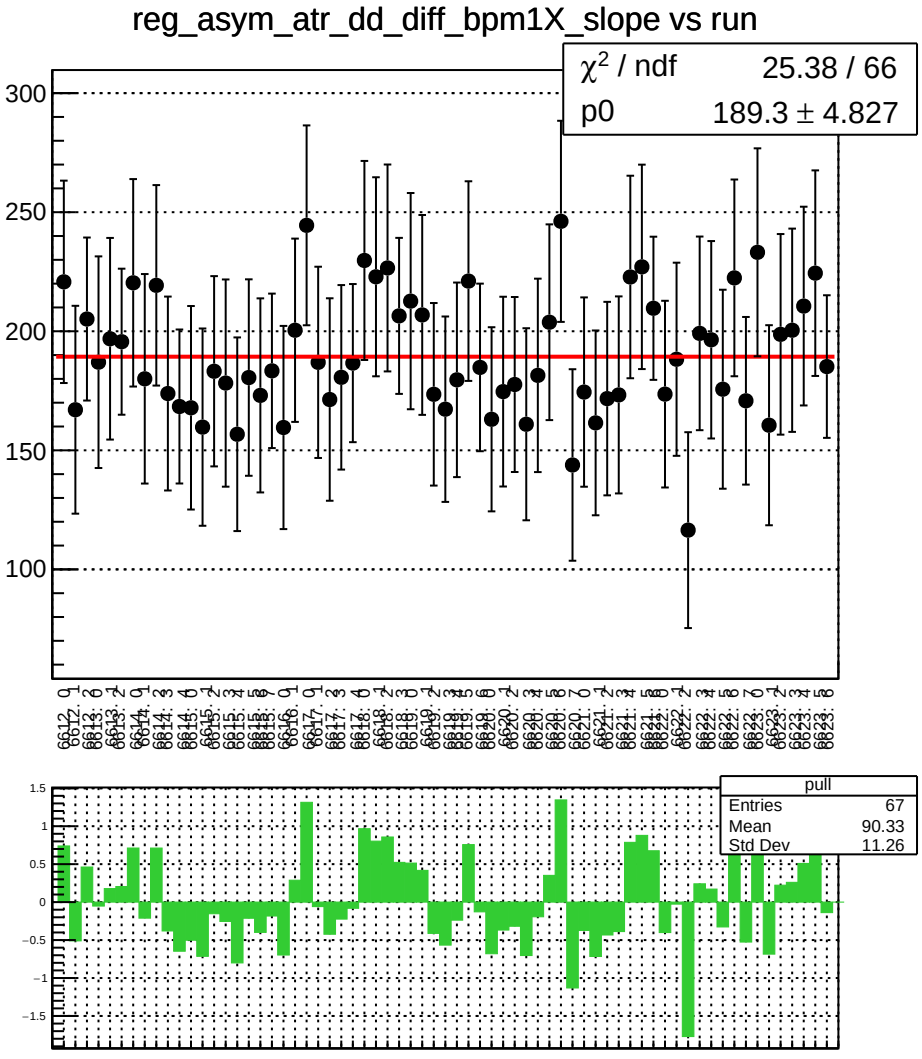

pull1D
Entries 67
Mean 0.02542
Std Dev 0.7108

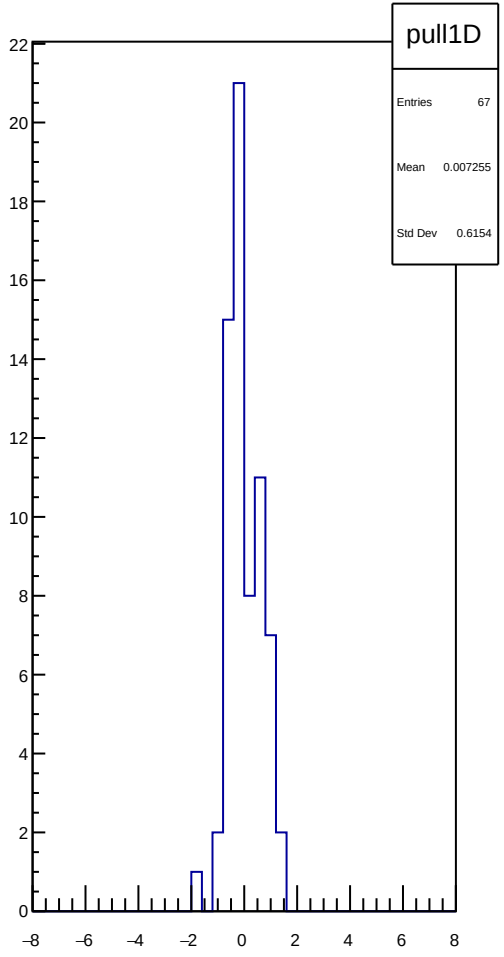

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 14.33 / 66
p0 75.92 ± 5
pull
Entries 67
Mean 3845
Std Dev 3795

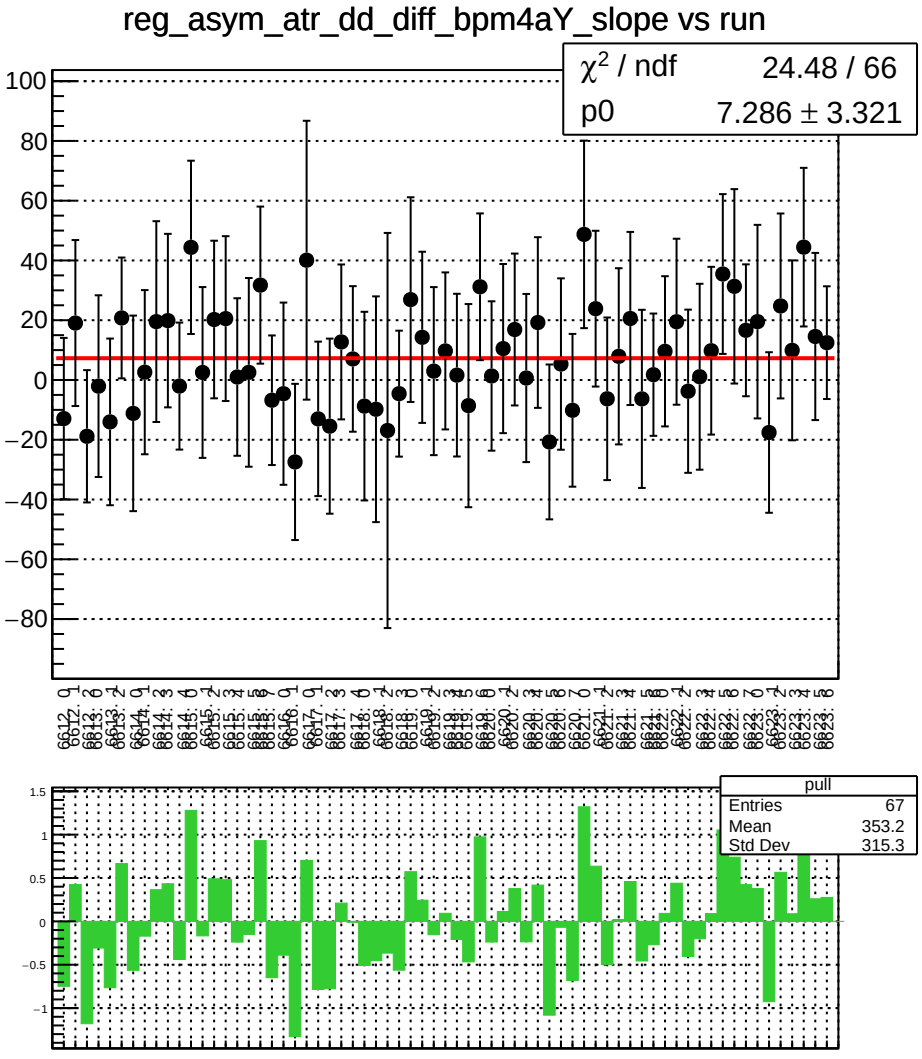

pull1D
Entries 67
Mean −0.0001805
Std Dev 0.4625

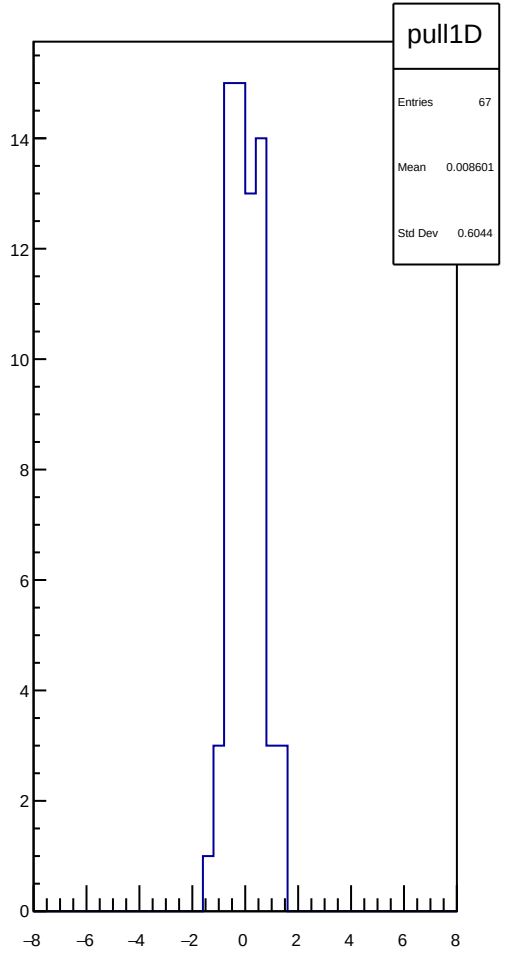

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 167.2 / 66
p0 −176.1 ± 0.2596
pull
Entries 67
Mean −364.6
Std Dev 395.5

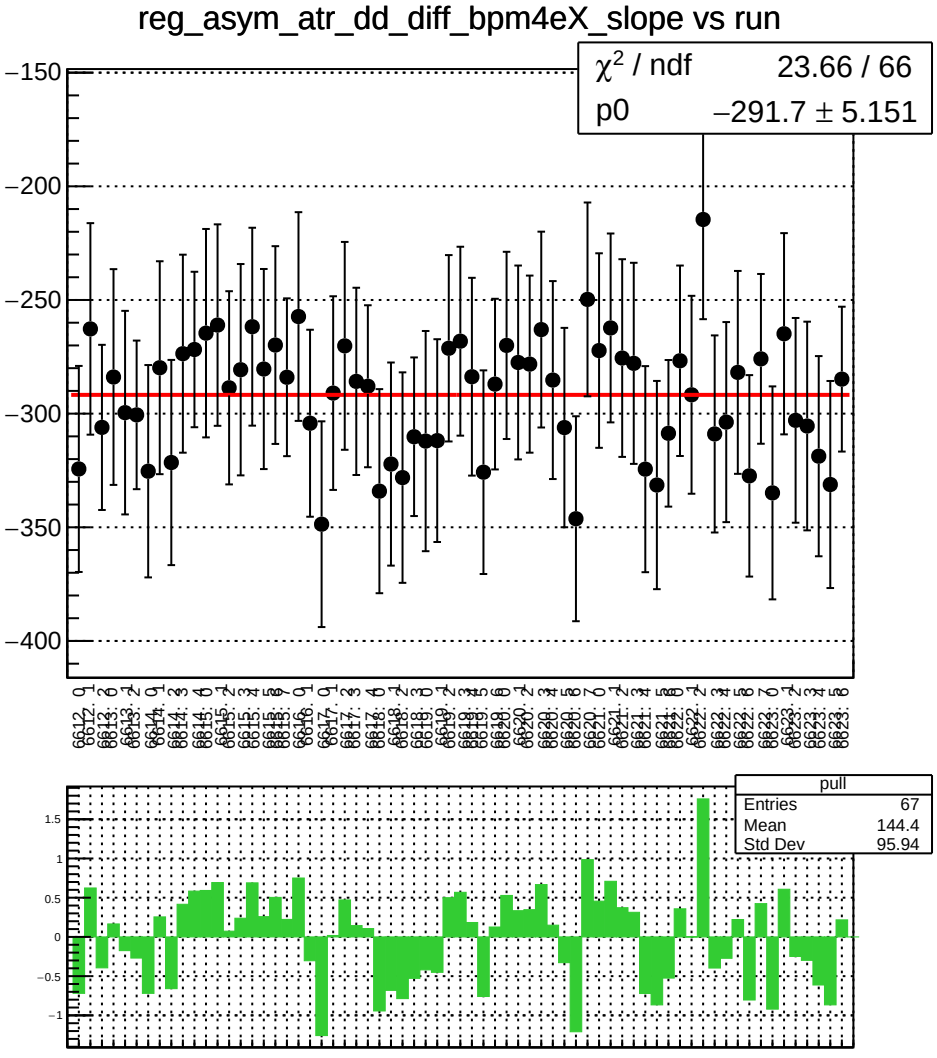

pull1D
Entries 67
Mean −0.03392
Std Dev 1.579

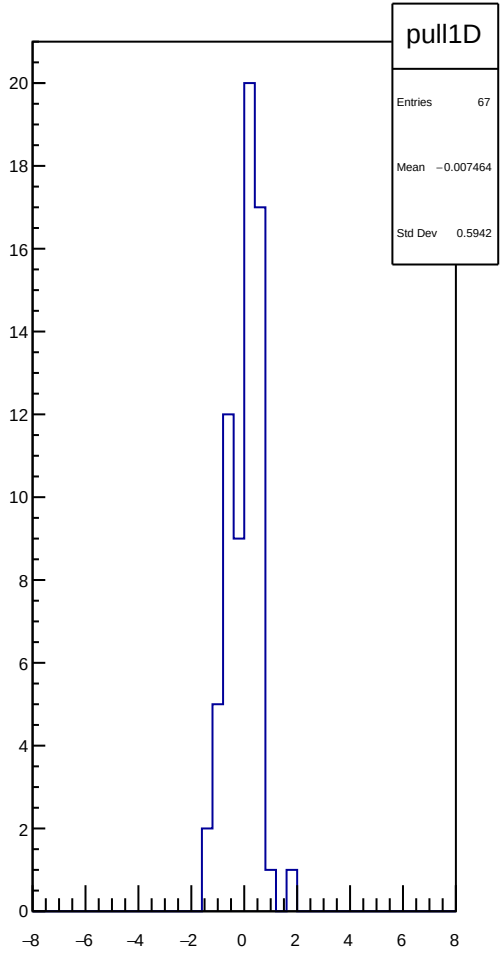

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 25.38 / 66
p0 189.3 ± 4.827
pull
Entries 67
Mean 90.33
Std Dev 11.26

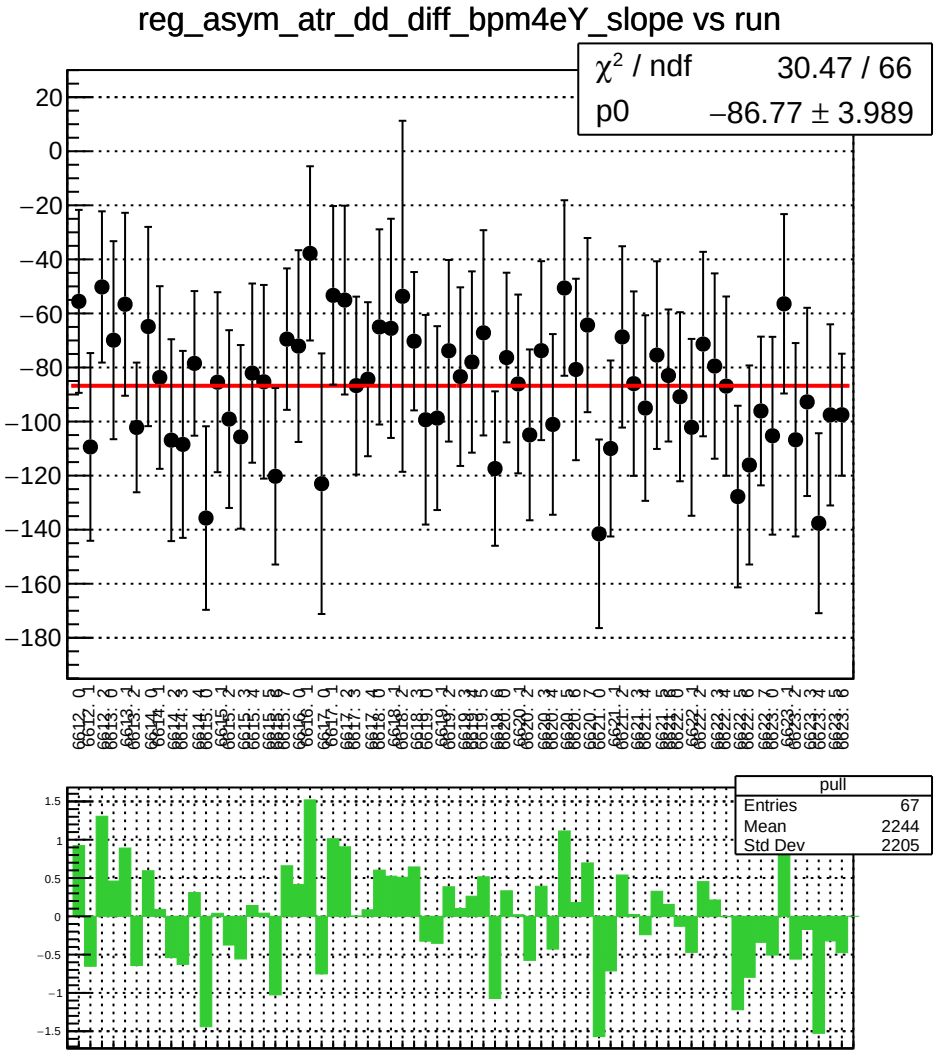

pull1D
Entries 67
Mean 0.007255
Std Dev 0.6154

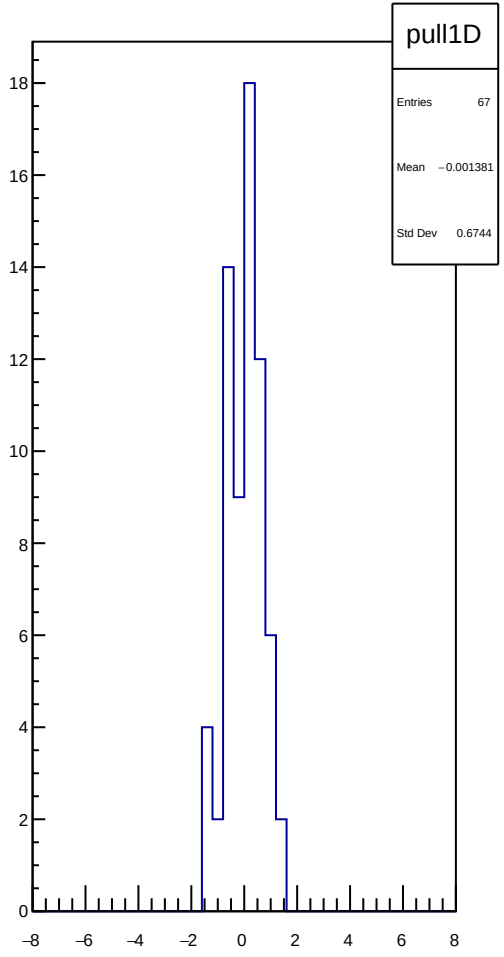

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 24.48 / 66
p0 7.286 ± 3.321
pull
Entries 67
Mean 353.2
Std Dev 315.3

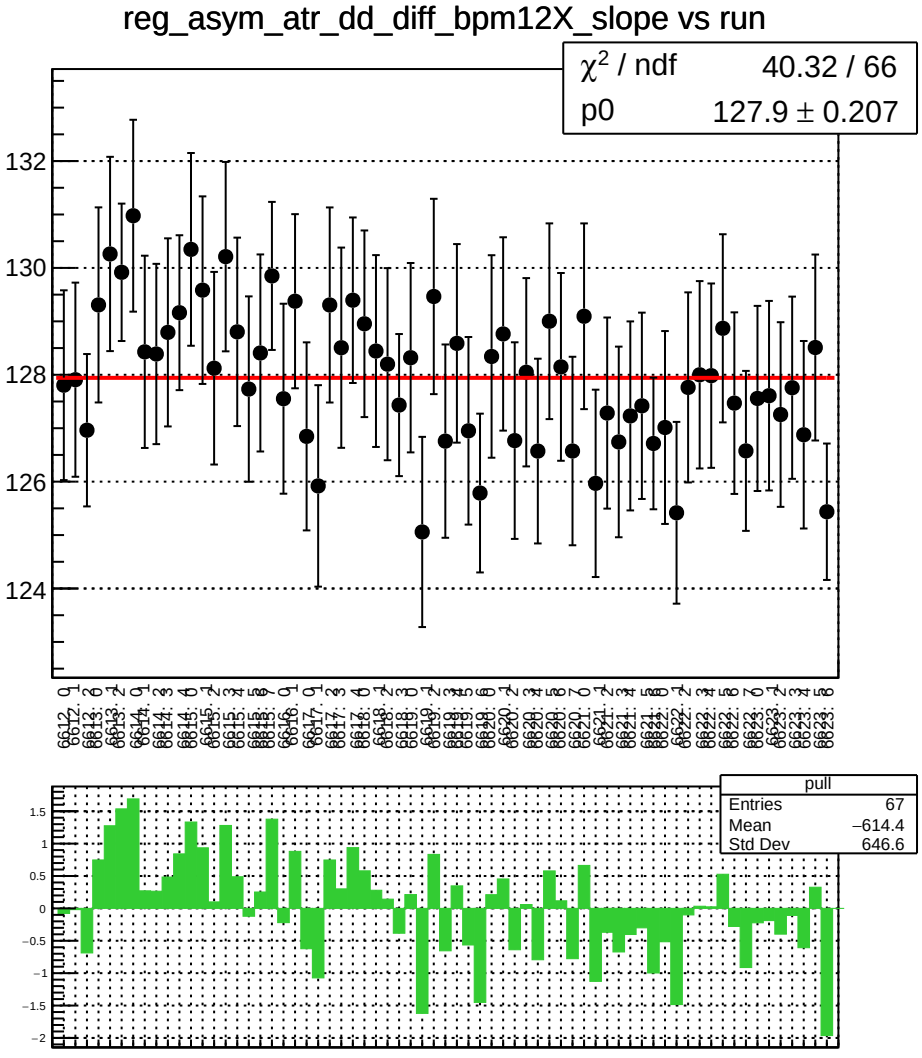

pull1D
Entries 67
Mean 0.008601
Std Dev 0.6044

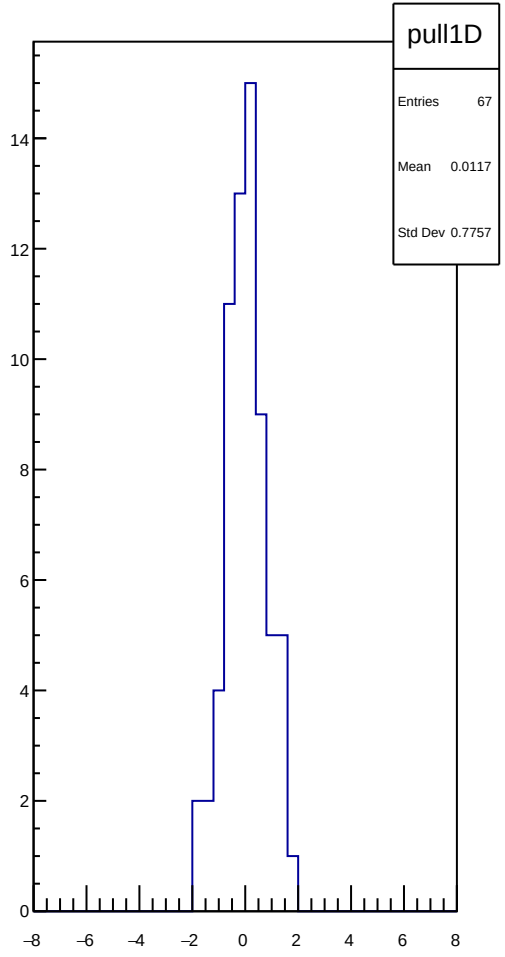

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 23.66 / 66
p0 −291.7 ± 5.151
pull
Entries 67
Mean 144.4
Std Dev 95.94

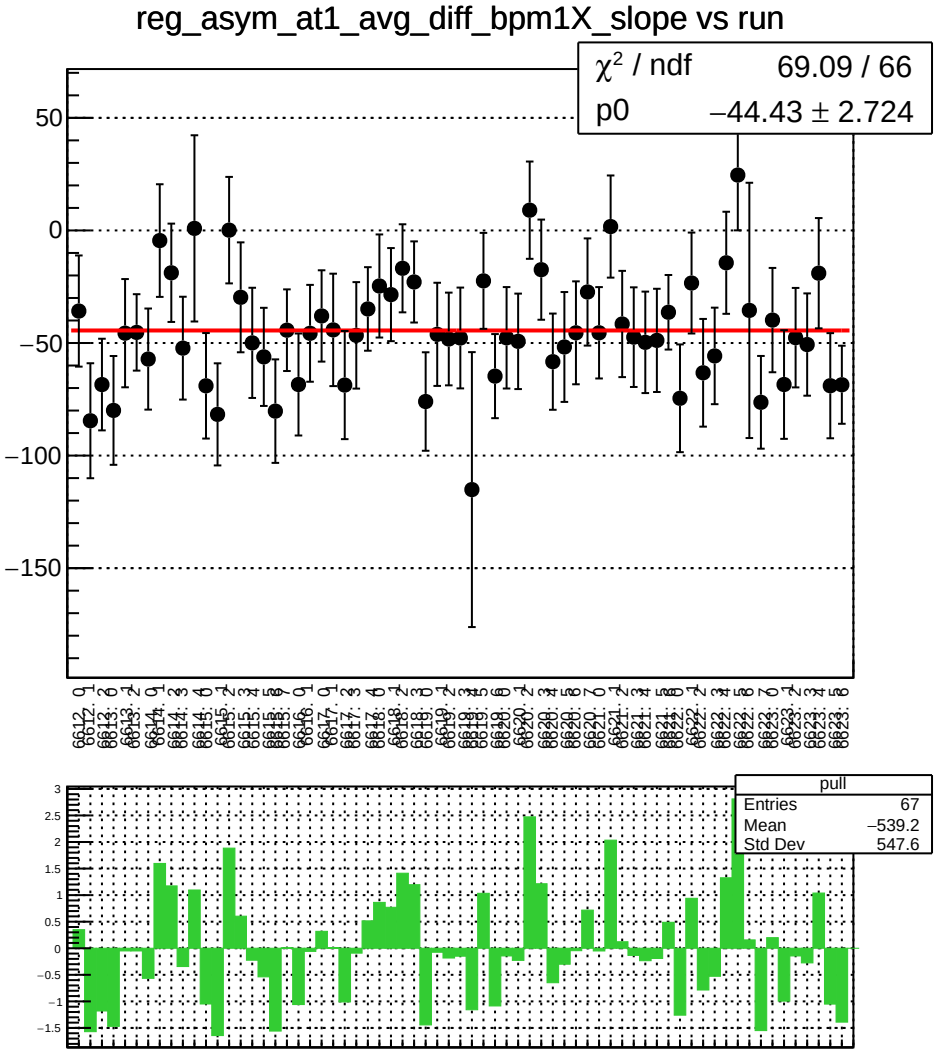

pull1D
Entries 67
Mean −0.007464
Std Dev 0.5942

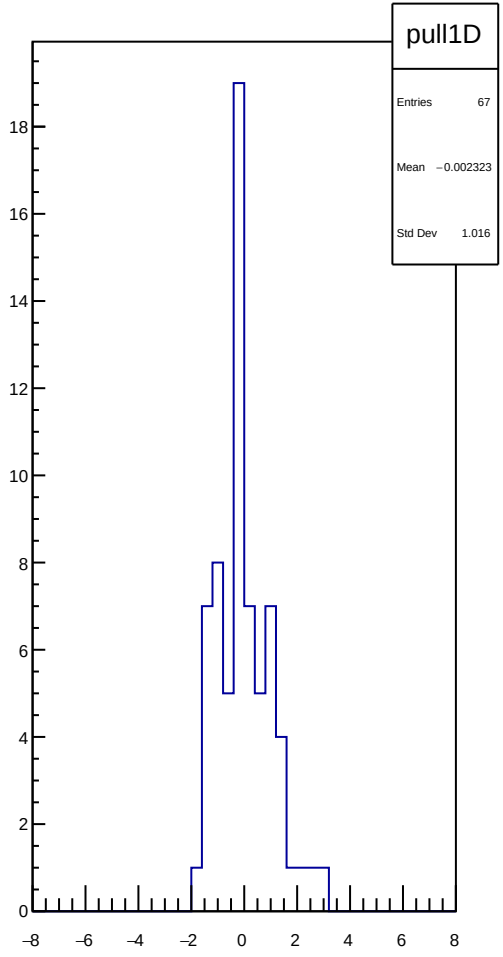

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 30.47 / 66
p0 −86.77 ± 3.989
pull
Entries 67
Mean 2244
Std Dev 2205

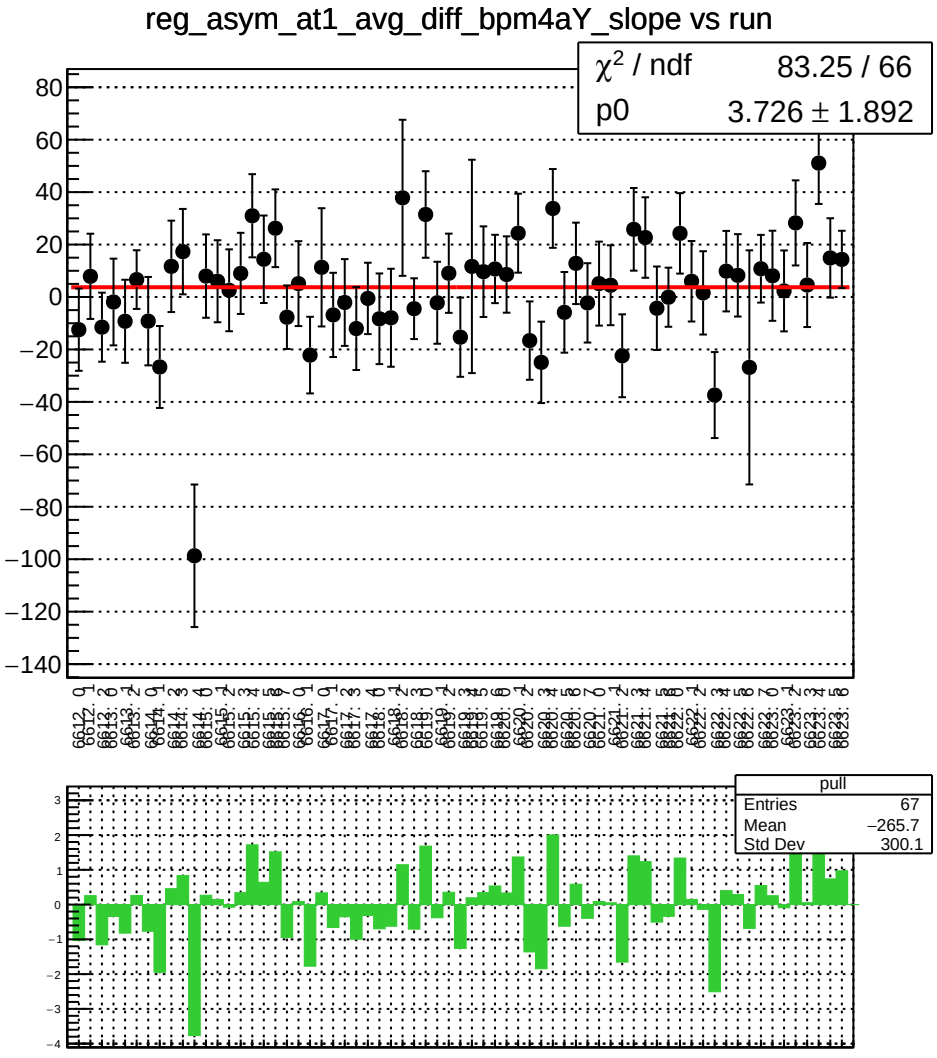

pull1D
Entries 67
Mean −0.001381
Std Dev 0.6744

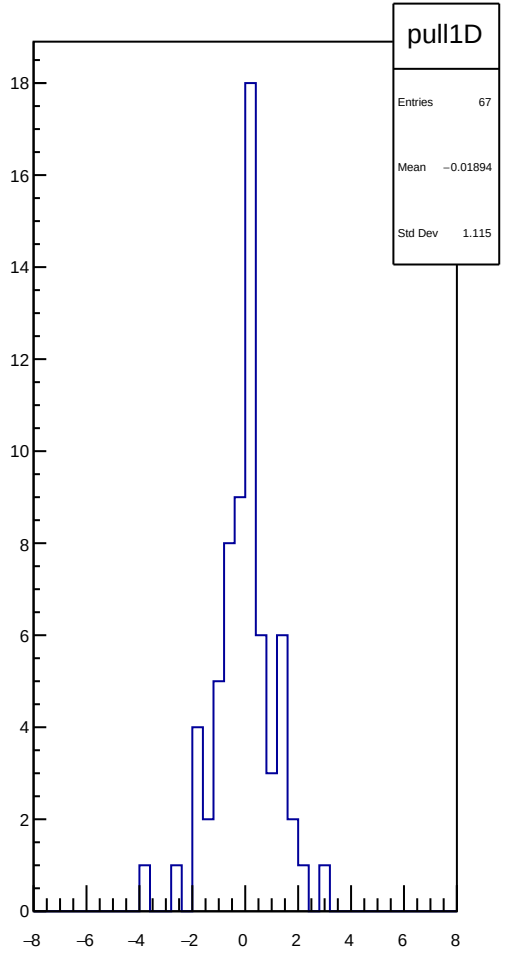

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 40.32 / 66
p0 127.9 ± 0.207
132
130
128
126
124
pull
Entries 67
Mean −614.4
Std Dev 646.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2

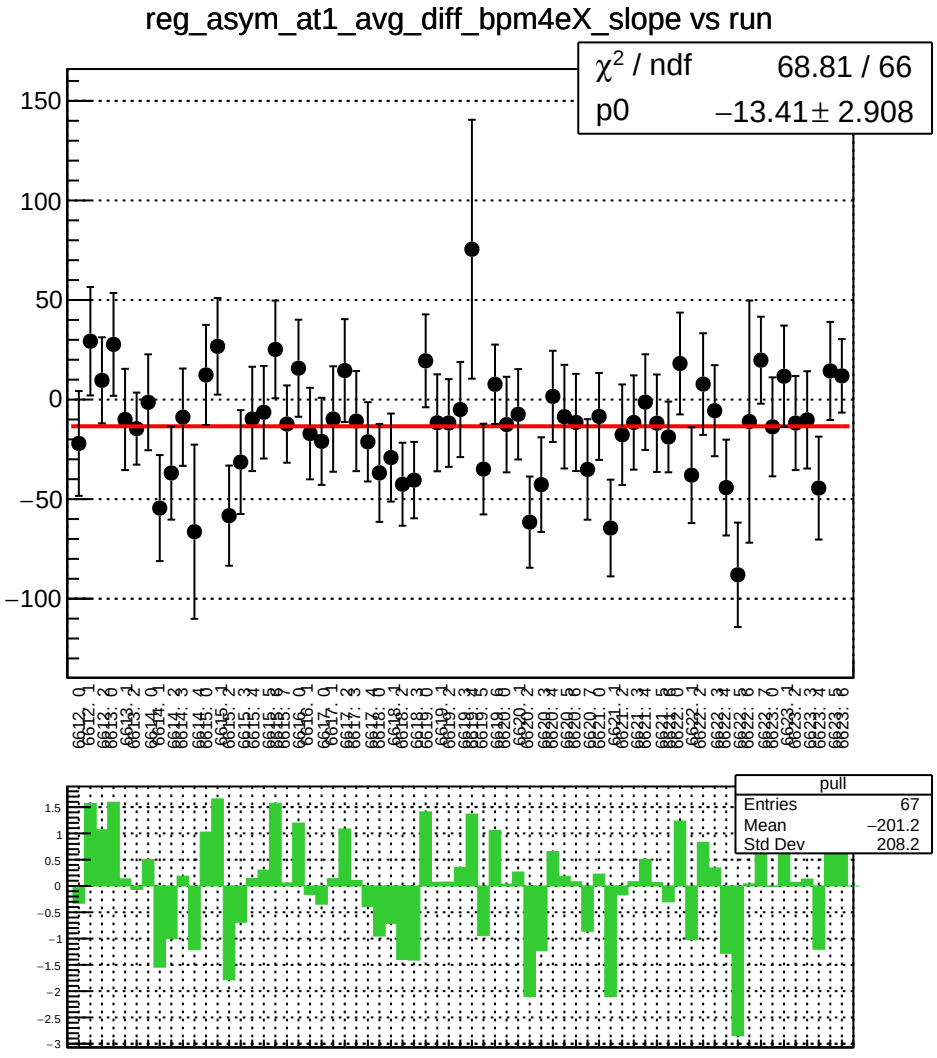

pull1D
Entries 67
Mean 0.0117
Std Dev 0.7757
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

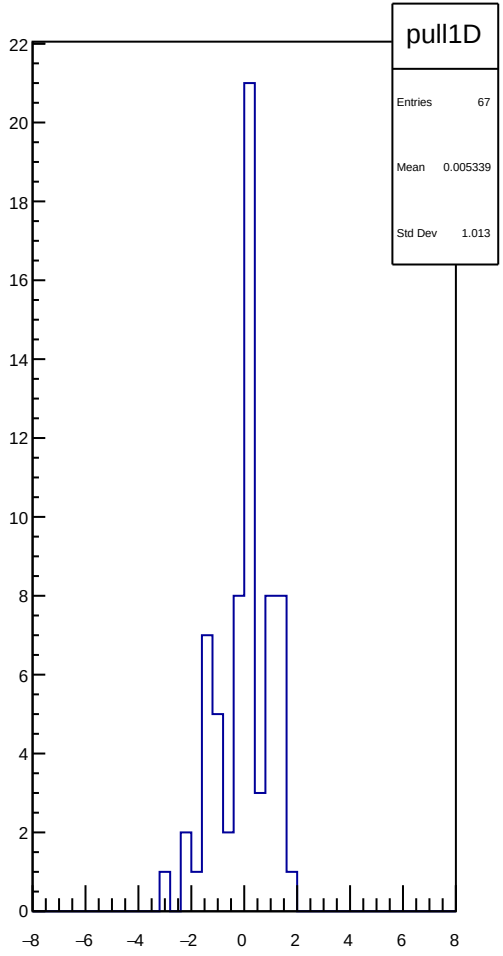

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 69.09 / 66
p0 −44.43 ± 2.724
pull
Entries 67
Mean −539.2
Std Dev 547.6

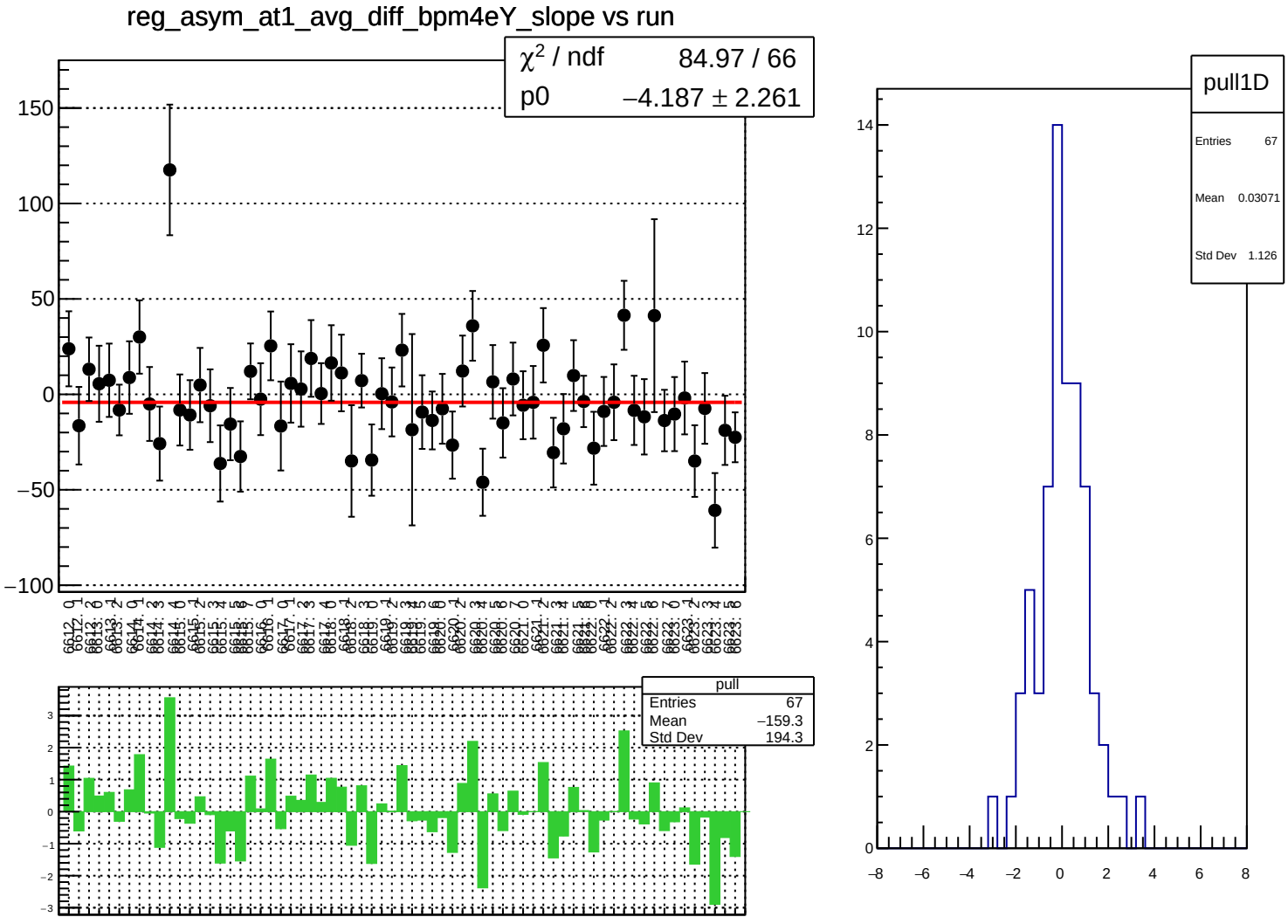

pull1D
Entries 67
Mean −0.002323
Std Dev 1.016

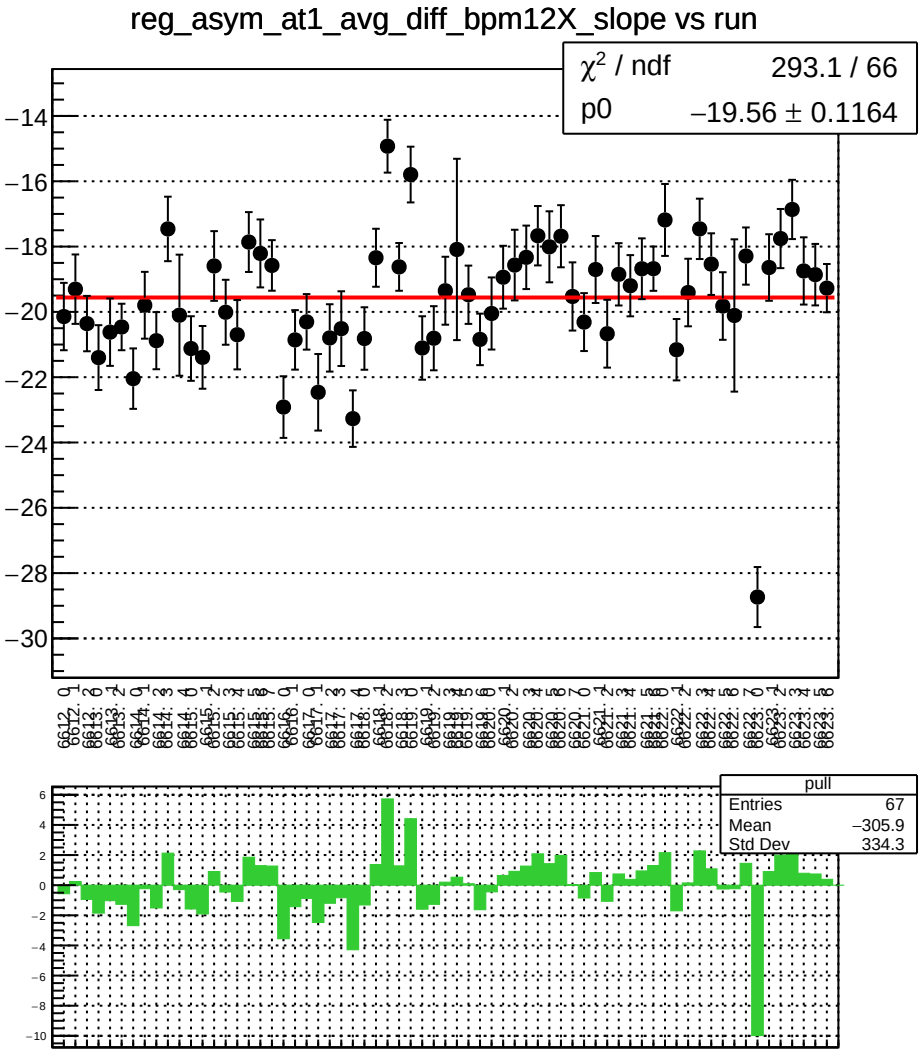

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 83.25 / 66
p0 3.726 ± 1.892
pull
Entries 67
Mean −265.7
Std Dev 300.1

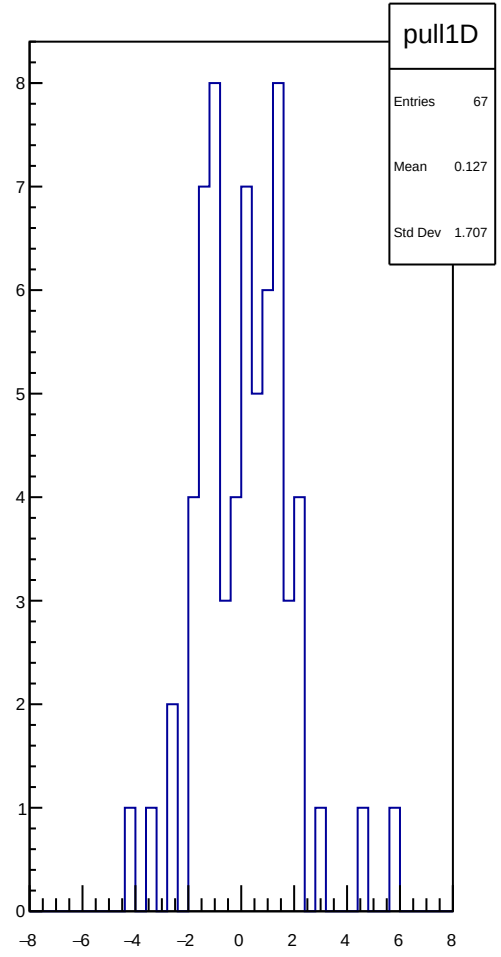

pull1D
Entries 67
Mean −0.01894
Std Dev 1.115

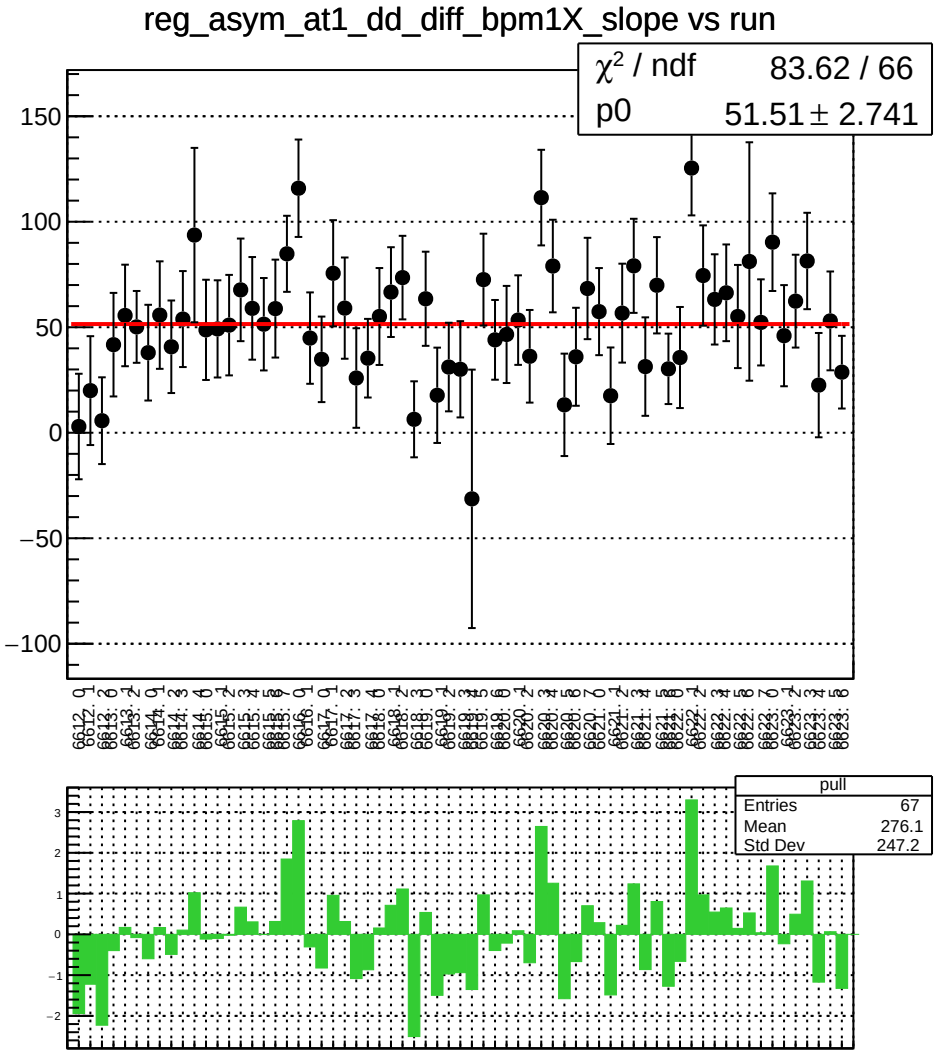

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 68.81 / 66
p0 −13.41 ± 2.908
pull
Entries 67
Mean −201.2
Std Dev 208.2

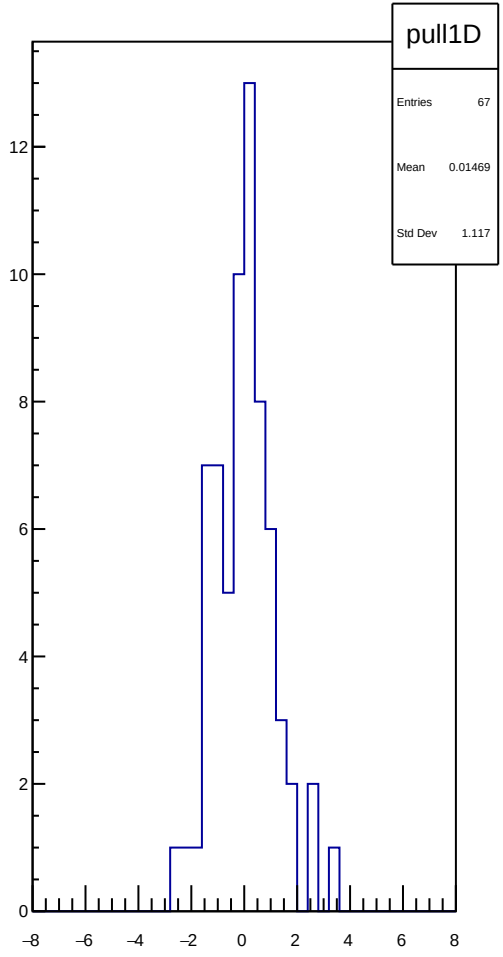

pull1D
Entries 67
Mean 0.005339
Std Dev 1.013

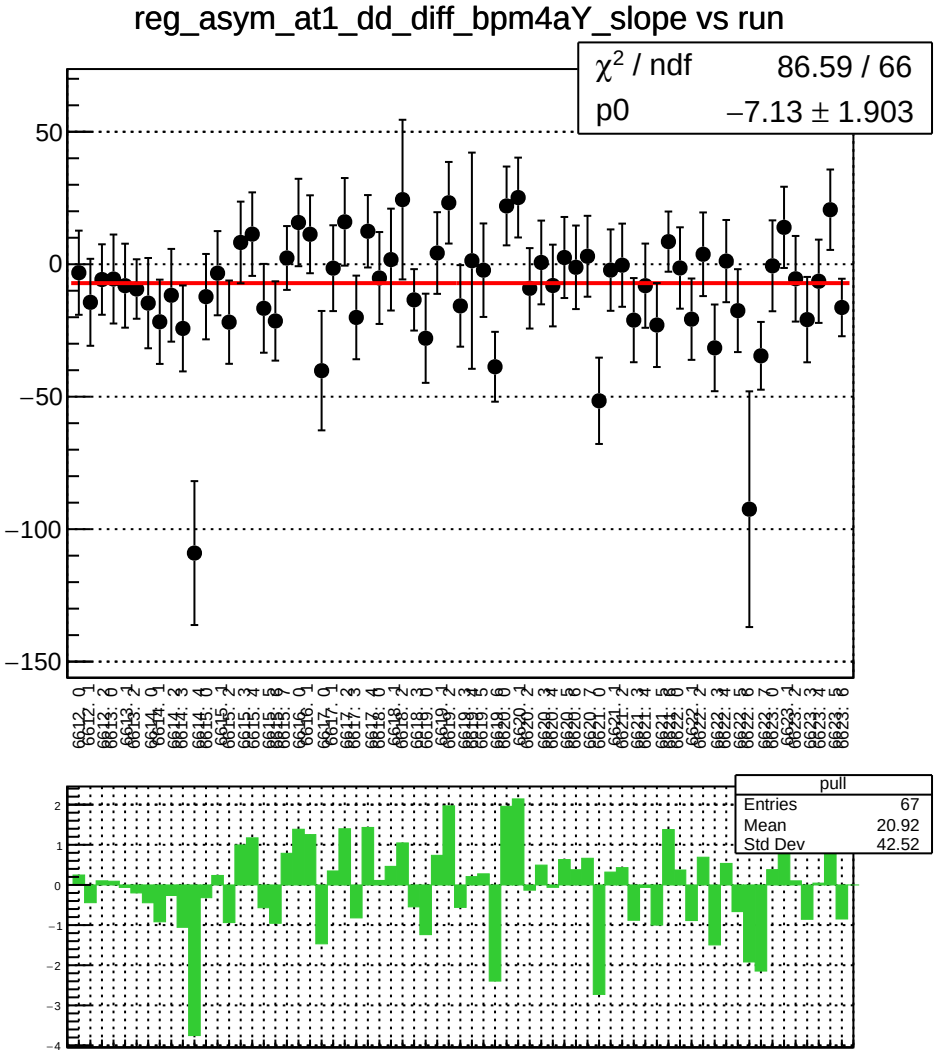

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 84.97 / 66
p0 −4.187 ± 2.261
pull
Entries 67
Mean −159.3
Std Dev 194.3
pull1D
Entries 67
Mean 0.03071
Std Dev 1.126

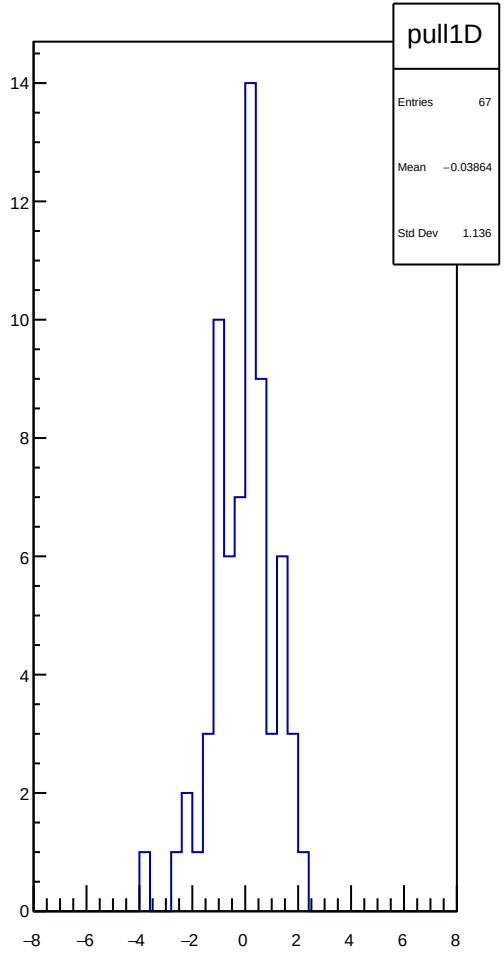

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 293.1 / 66
p0 −19.56 ± 0.1164
pull
Entries 67
Mean −305.9
Std Dev 334.3

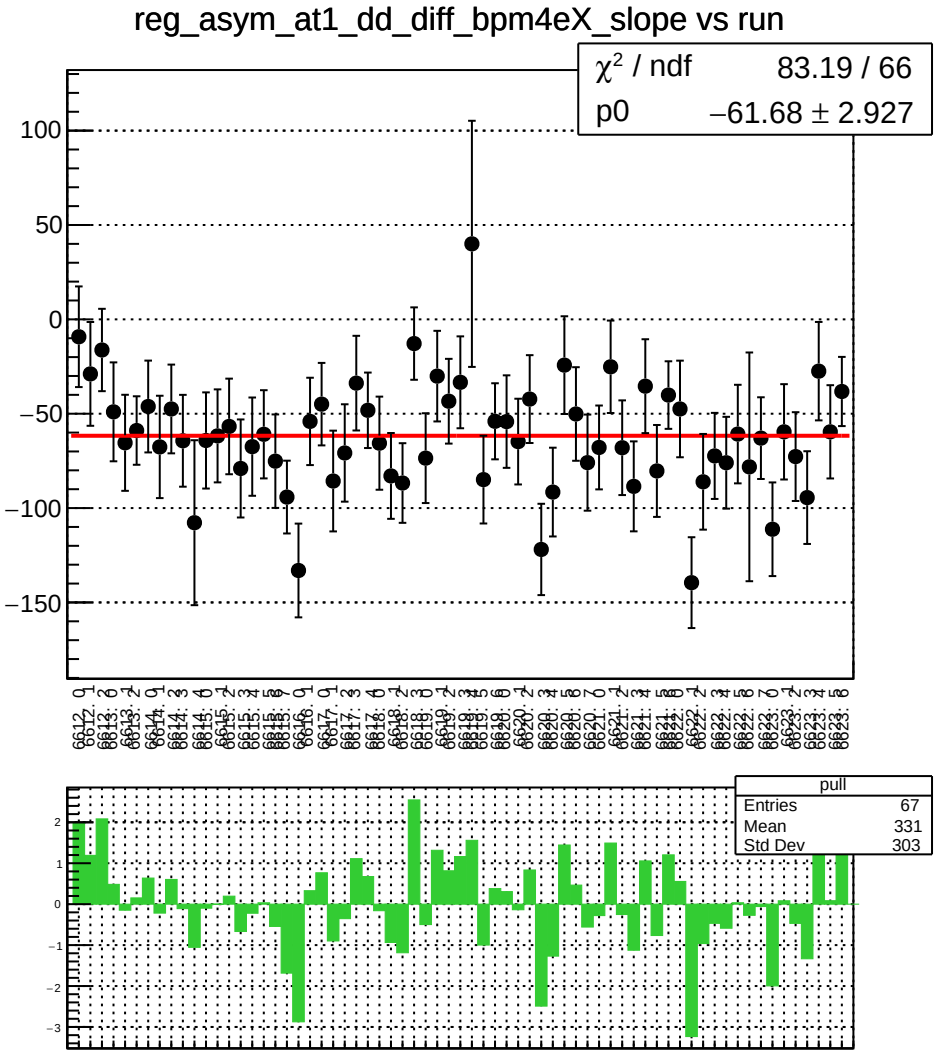

pull1D
Entries 67
Mean 0.127
Std Dev 1.707

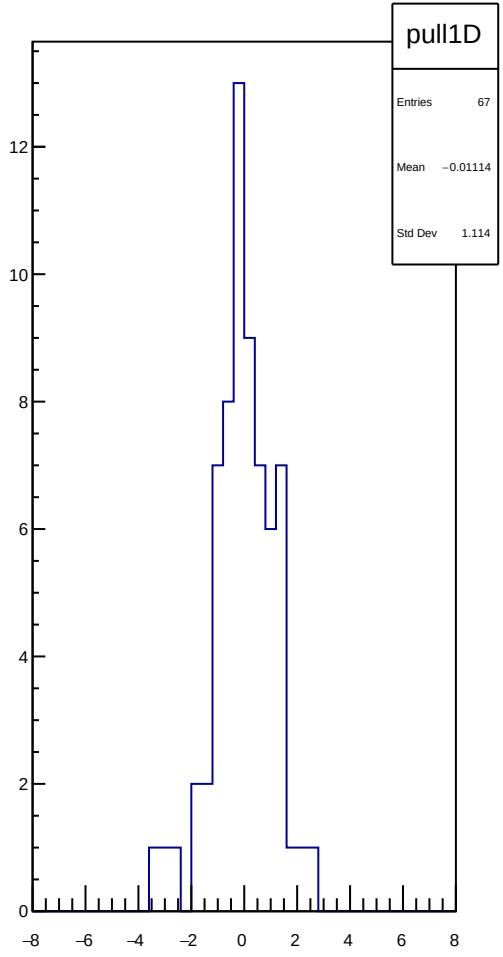

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 83.62 / 66
p0 51.51 ± 2.741
pull
Entries 67
Mean 276.1
Std Dev 247.2

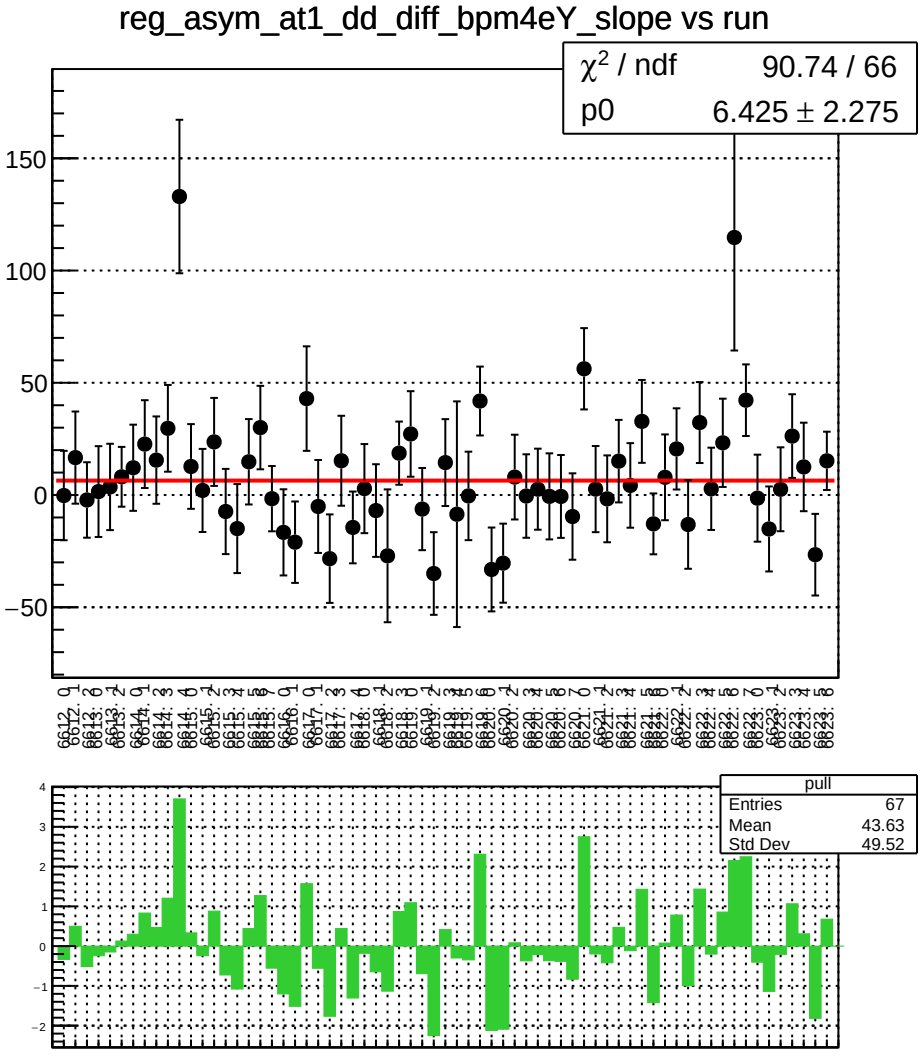

pull1D
Entries 67
Mean 0.01469
Std Dev 1.117

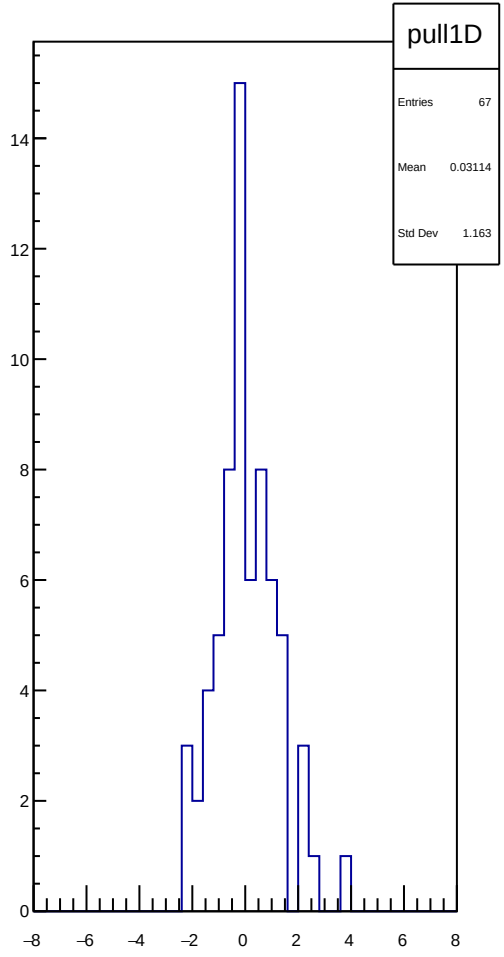

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 86.59 / 66
p0 −7.13 ± 1.903
pull
Entries 67
Mean 20.92
Std Dev 42.52

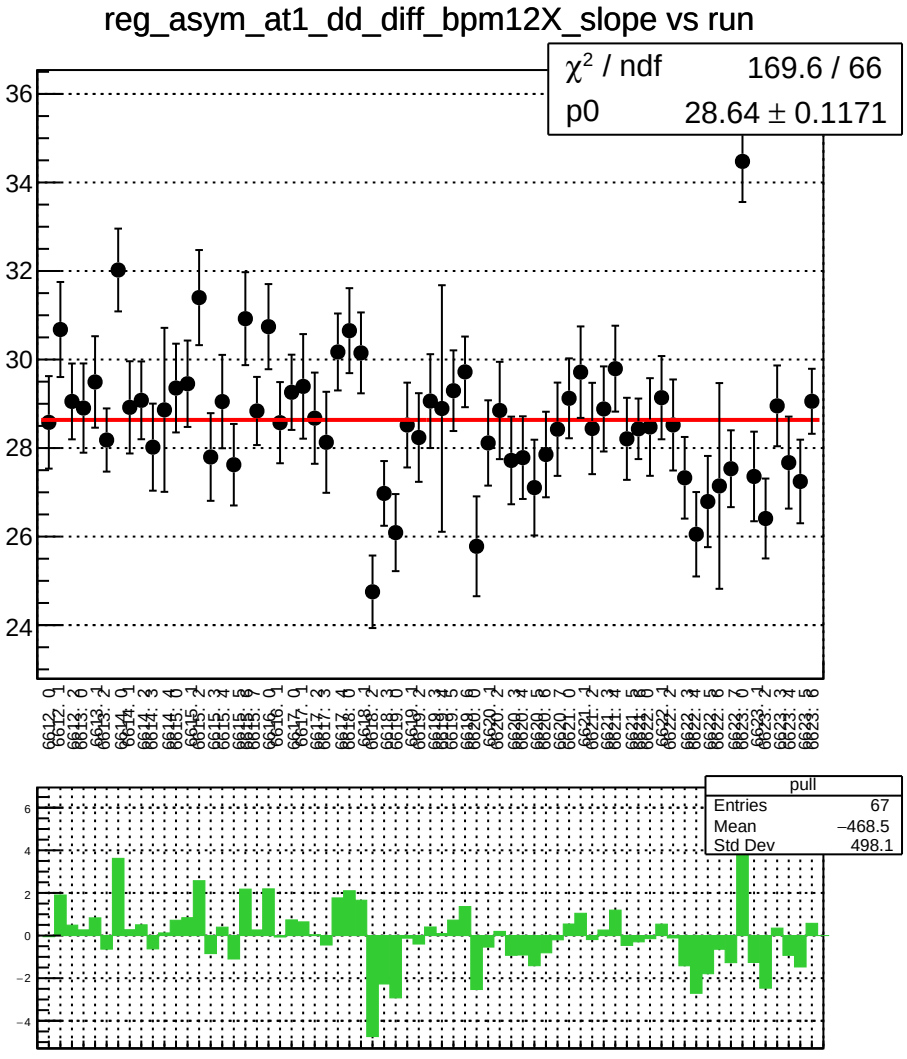

pull1D
Entries 67
Mean −0.03864
Std Dev 1.136

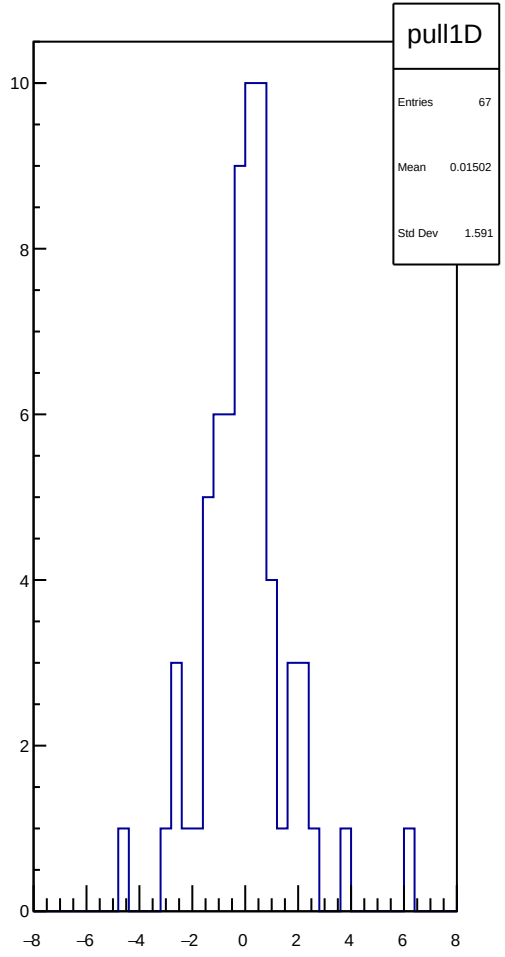

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 83.19 / 66
p0 −61.68 ± 2.927
pull
Entries 67
Mean 331
Std Dev 303

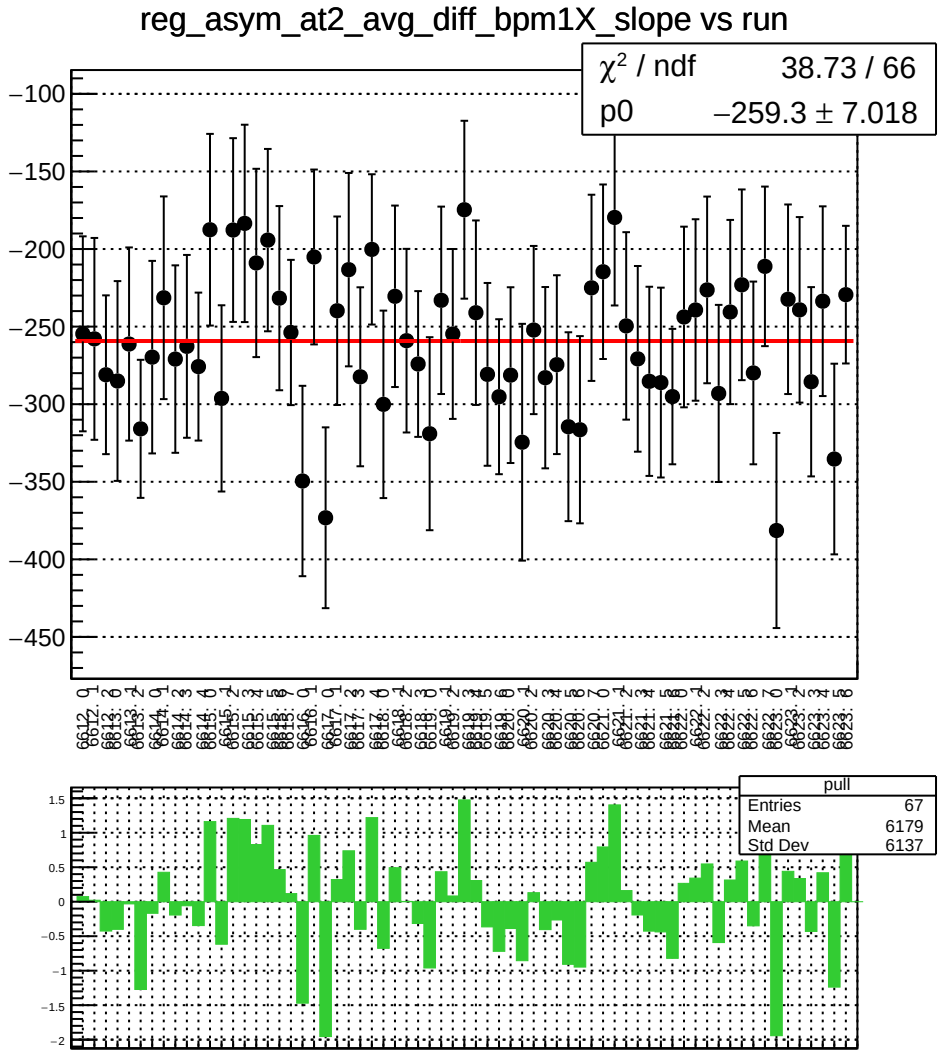

pull1D
Entries 67
Mean −0.01114
Std Dev 1.114

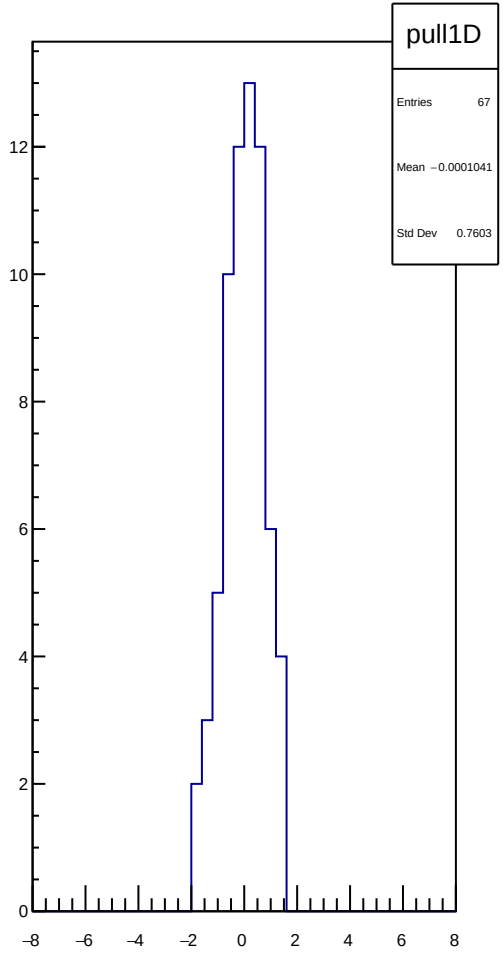

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.74 / 66
p0 6.425 ± 2.275
pull
Entries 67
Mean 43.63
Std Dev 49.52

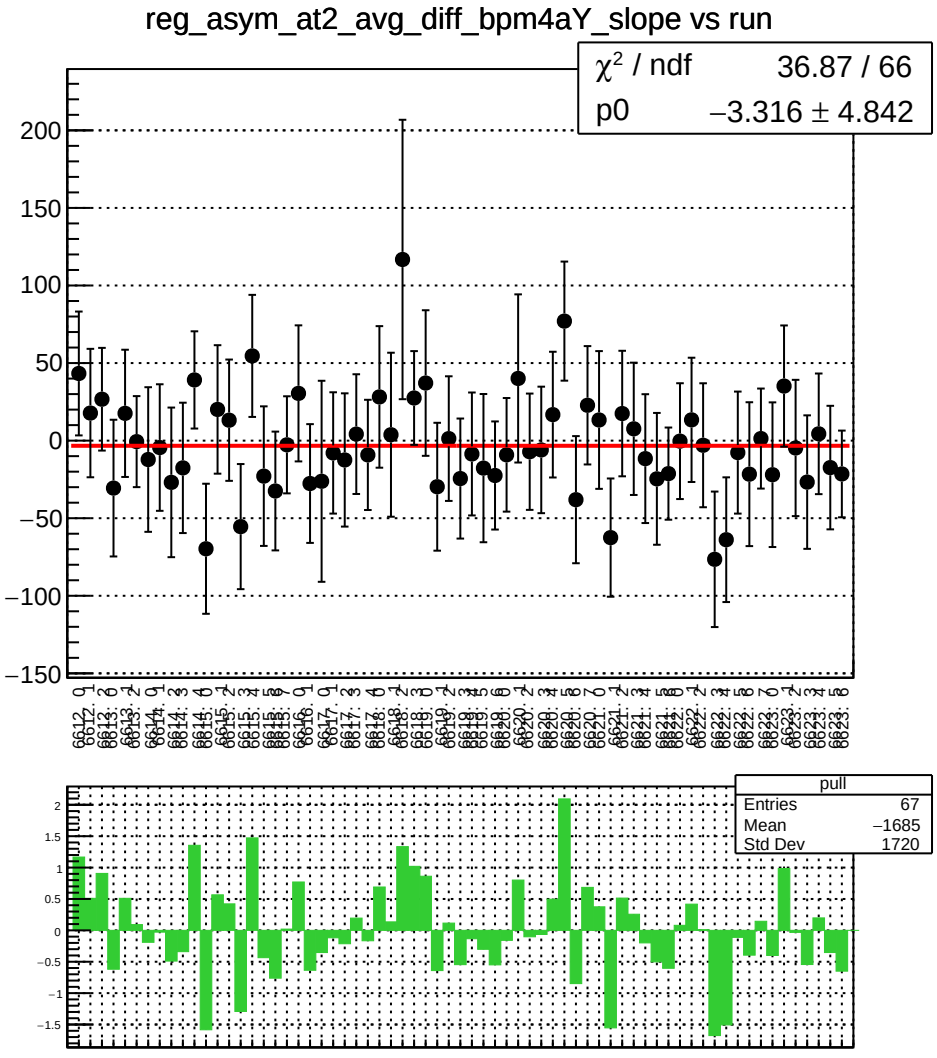

pull1D
Entries 67
Mean 0.03114
Std Dev 1.163

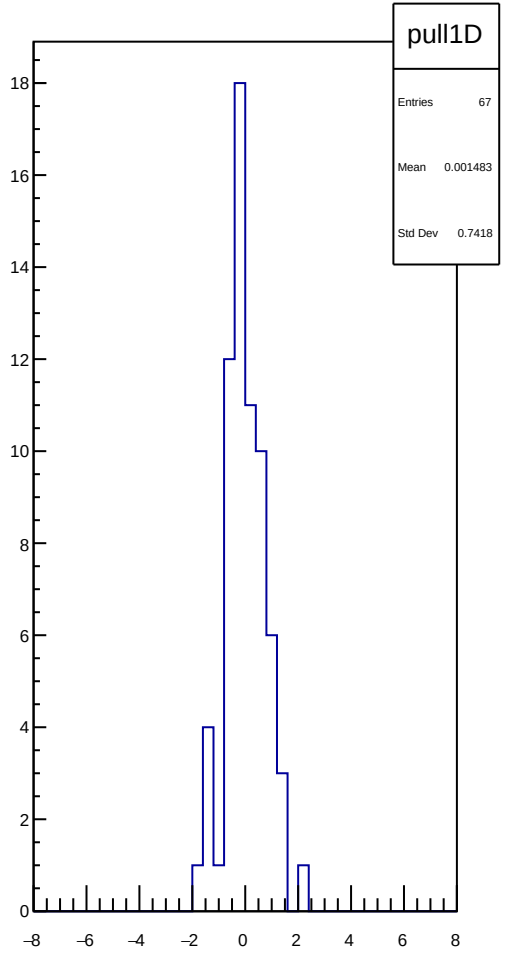

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 169.6 / 66
p0 28.64 ± 0.1171
pull
Entries 67
Mean −468.5
Std Dev 498.1

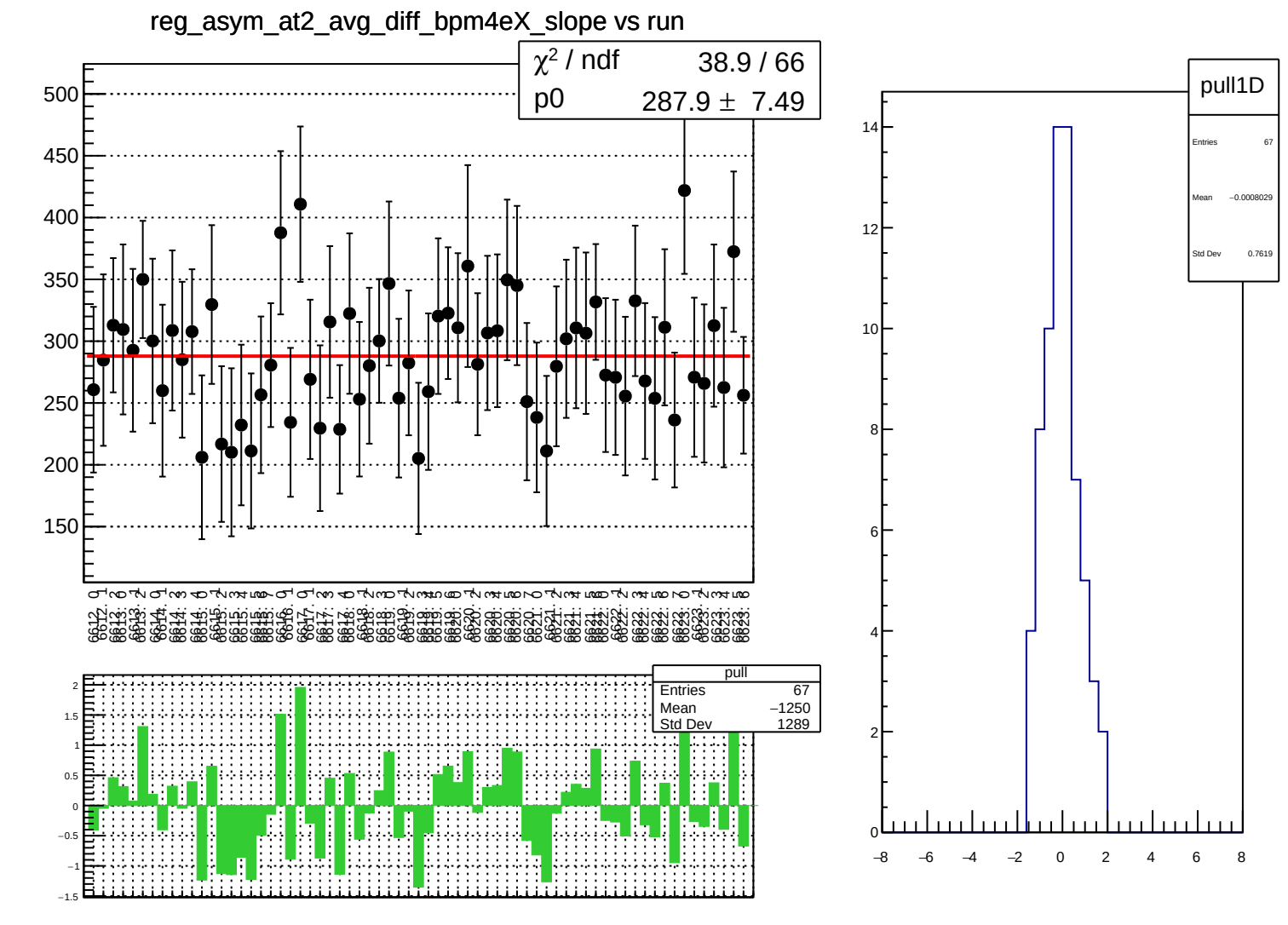

pull1D
Entries 67
Mean 0.01502
Std Dev 1.591

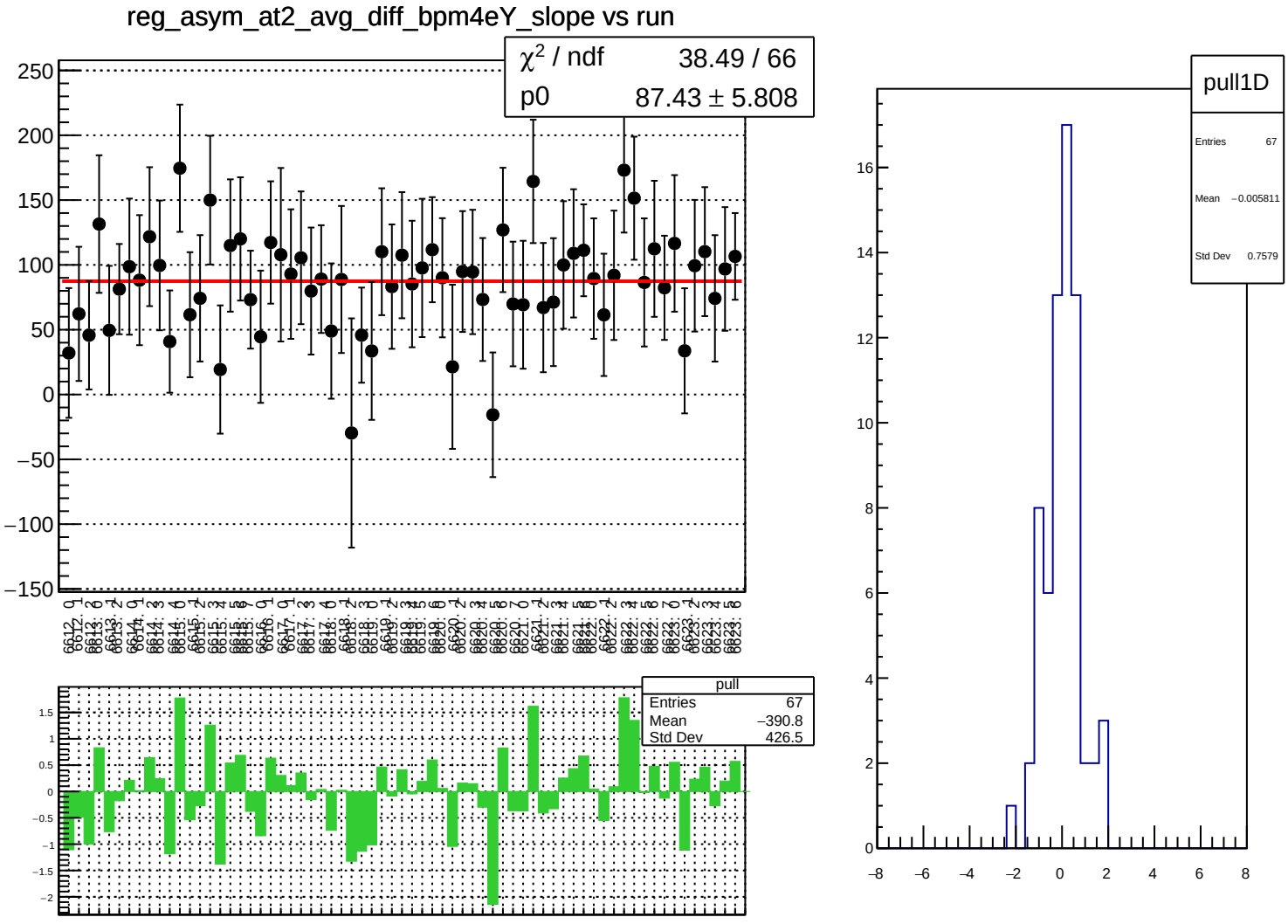

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 38.73 / 66
p0 −259.3 ± 7.018
pull
Entries 67
Mean 6179
Std Dev 6137

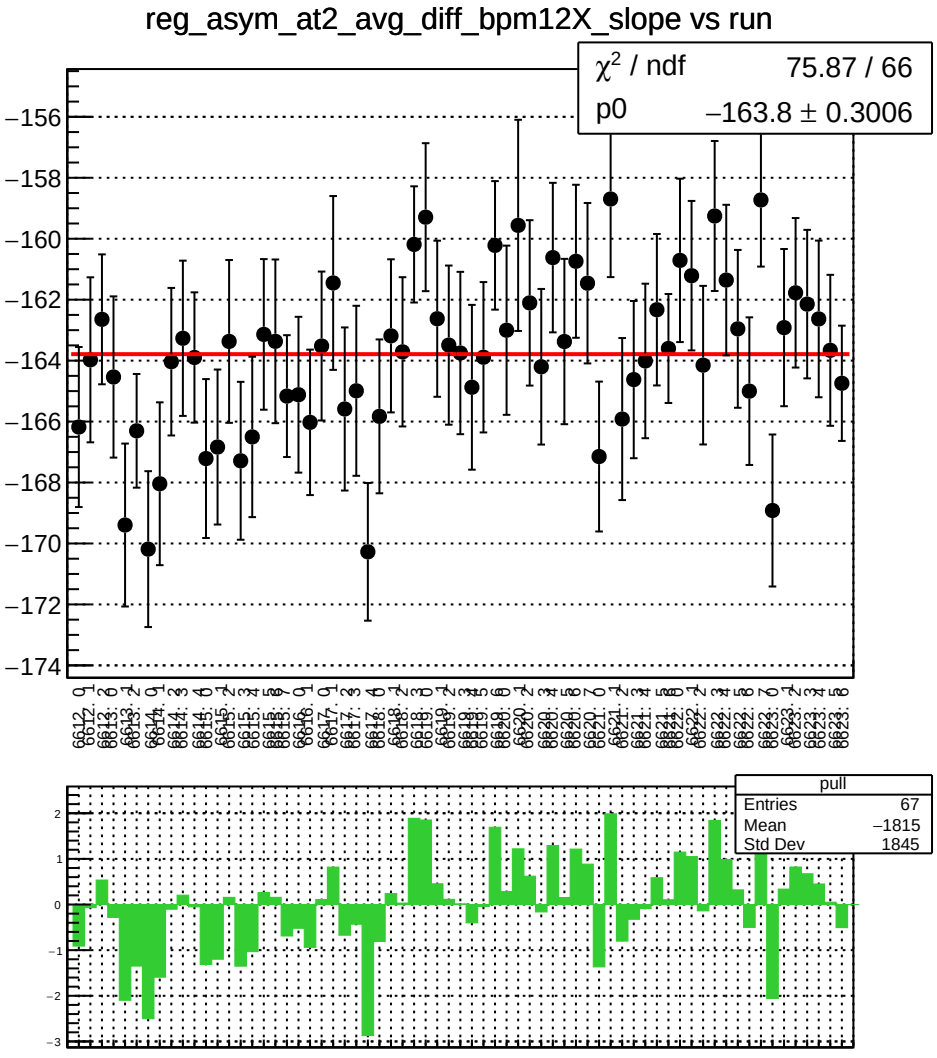

pull1D
Entries 67
Mean −0.0001041
Std Dev 0.7603

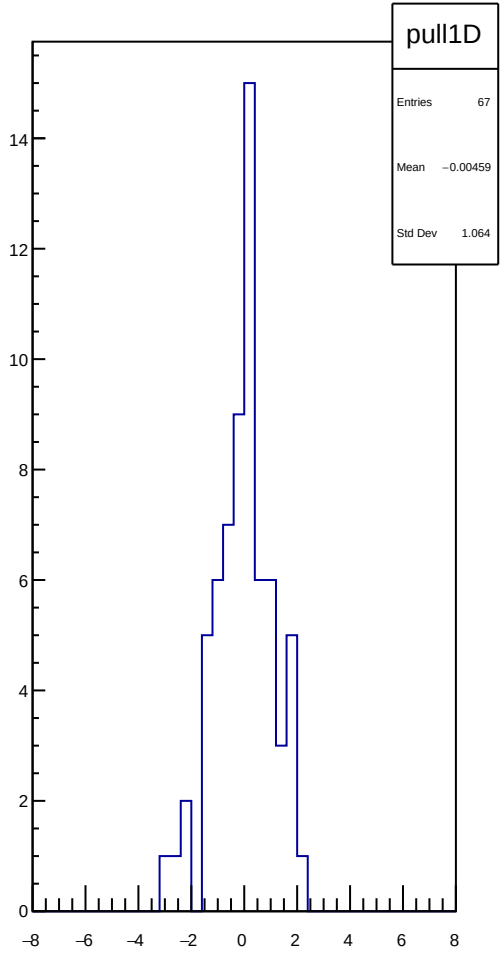

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 36.87 / 66
p0 −3.316 ± 4.842
pull
Entries 67
Mean −1685
Std Dev 1720

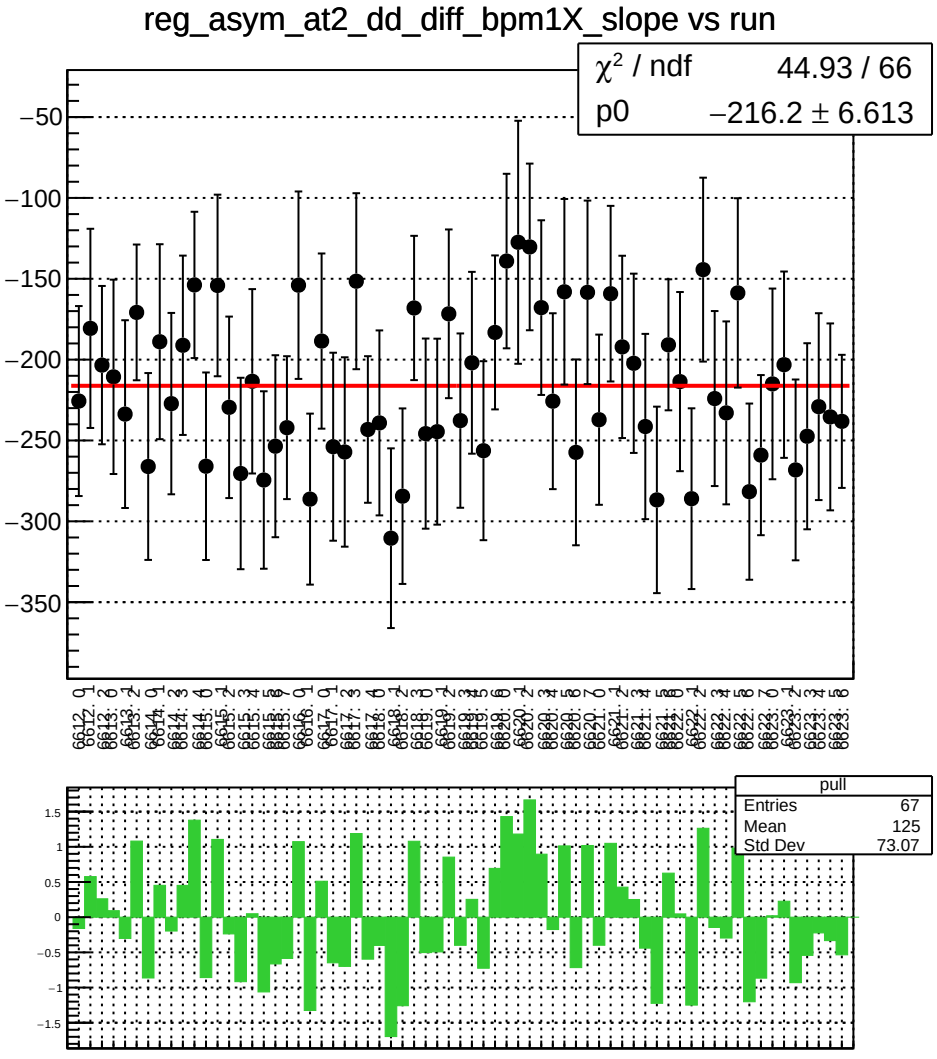

pull1D
Entries 67
Mean 0.001483
Std Dev 0.7418

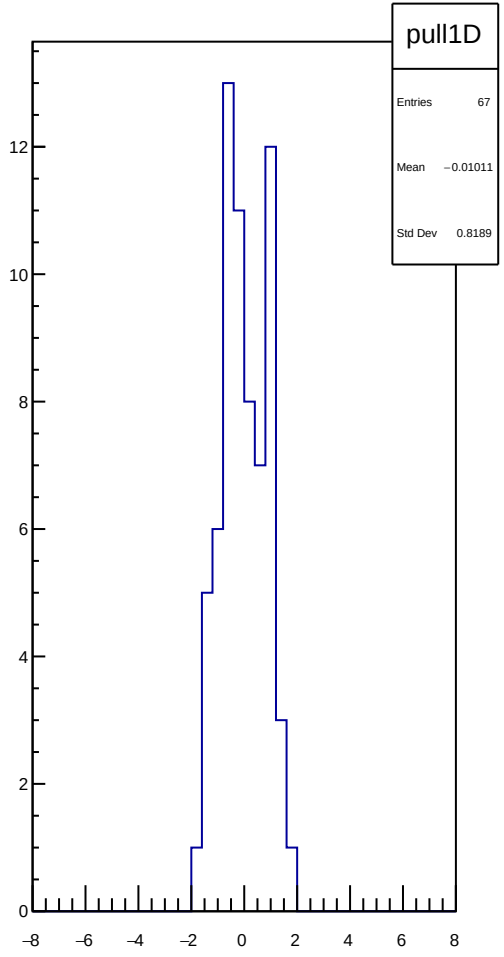

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.9 / 66
p0 287.9 ± 7.49
pull
Entries 67
Mean −1250
Std Dev 1289
pull1D
Entries 67
Mean −0.0008029
Std Dev 0.7619

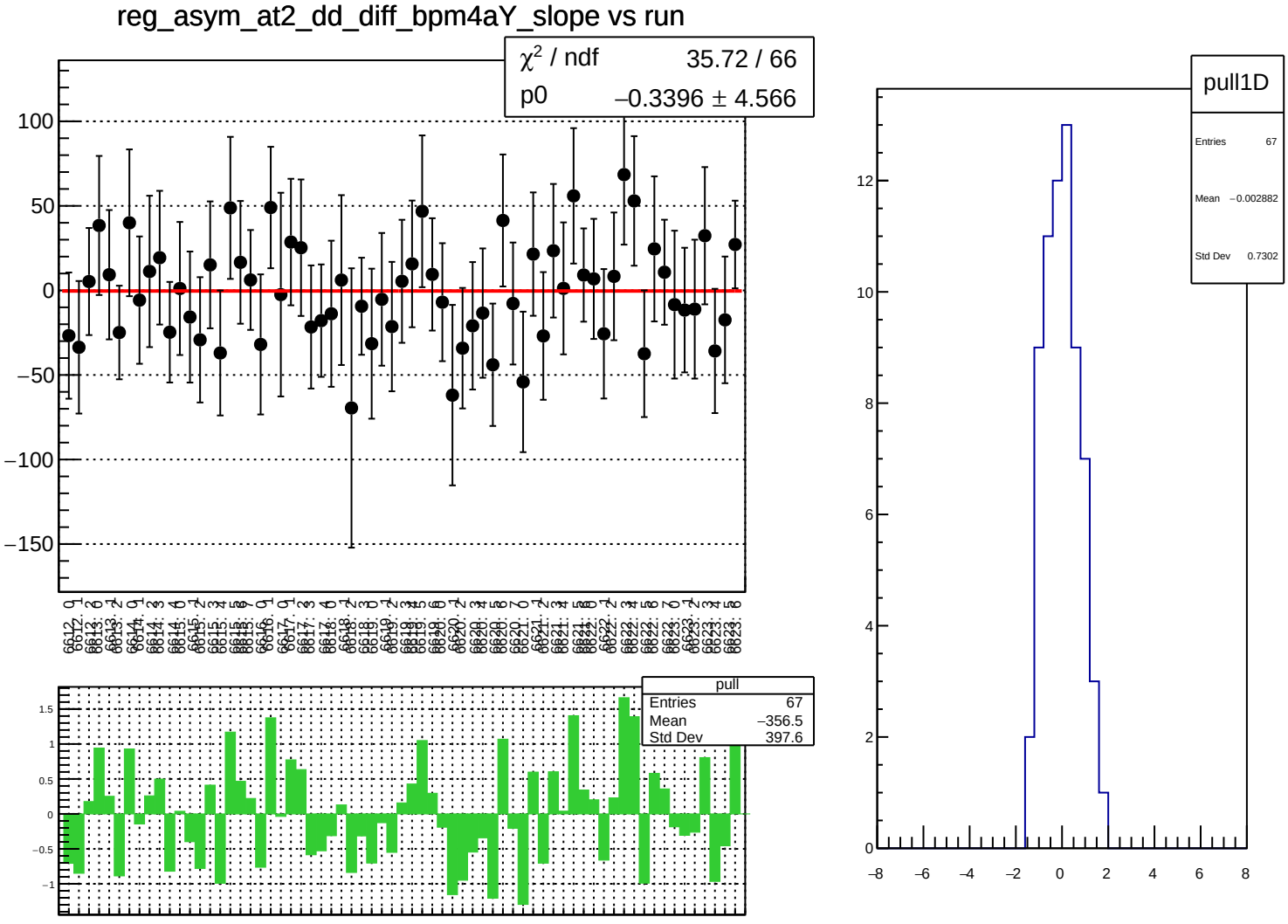

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 38.49 / 66
p0 87.43 ± 5.808
pull
Entries 67
Mean −390.8
Std Dev 426.5
pull1D
Entries 67
Mean −0.005811
Std Dev 0.7579

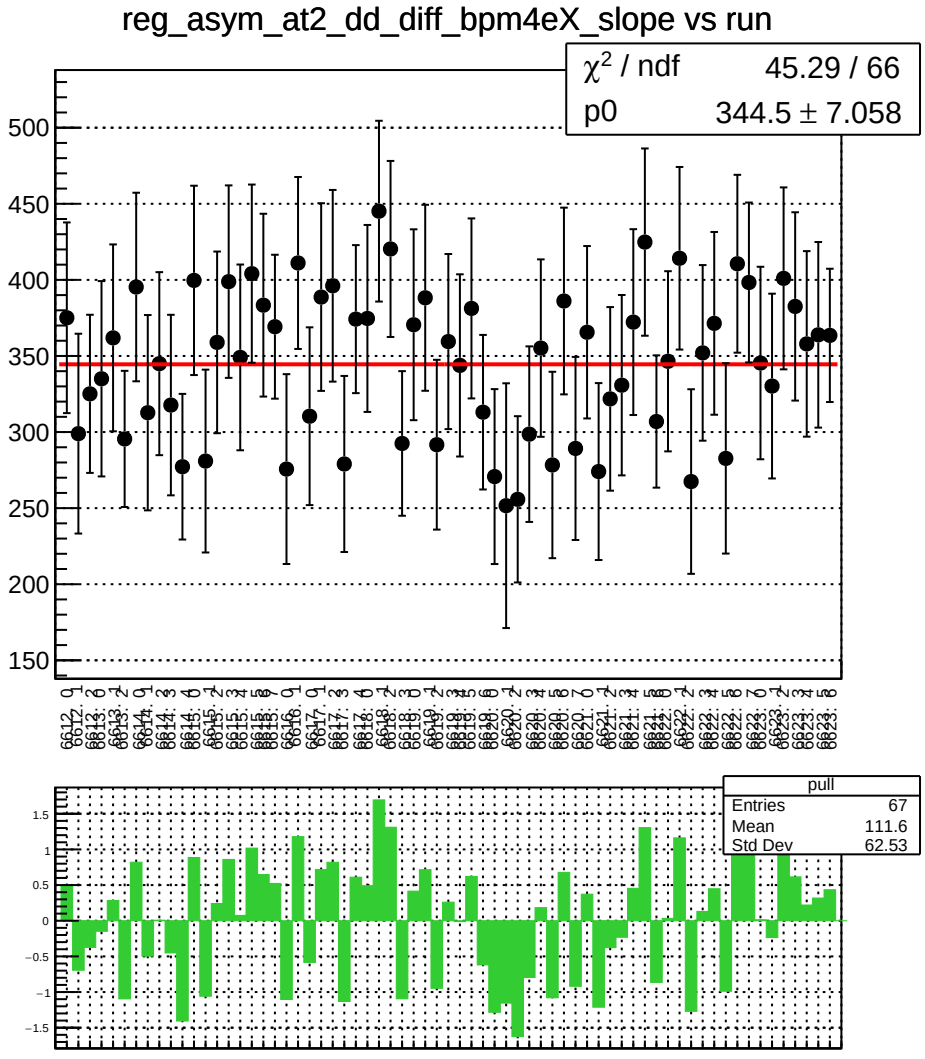

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 75.87 / 66
p0 −163.8 ± 0.3006
pull
Entries 67
Mean −1815
Std Dev 1845

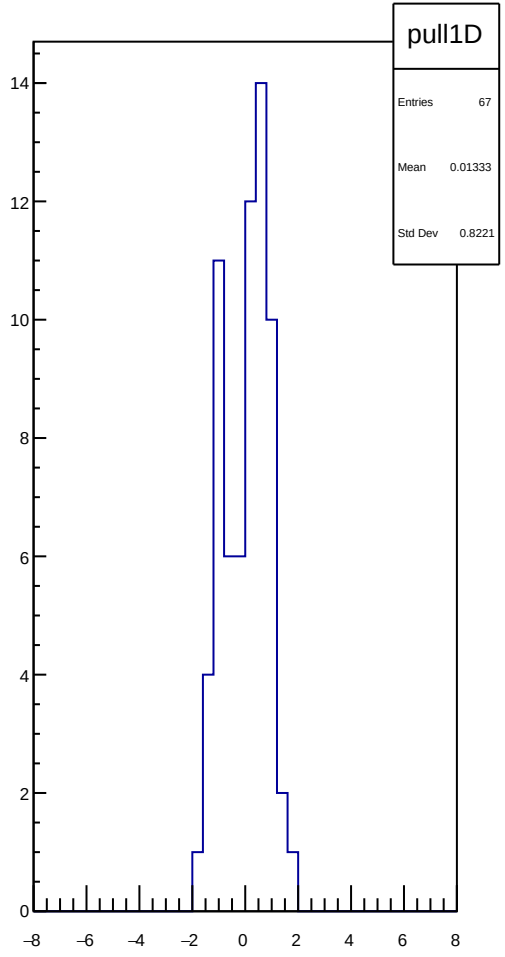

pull1D
Entries 67
Mean −0.00459
Std Dev 1.064

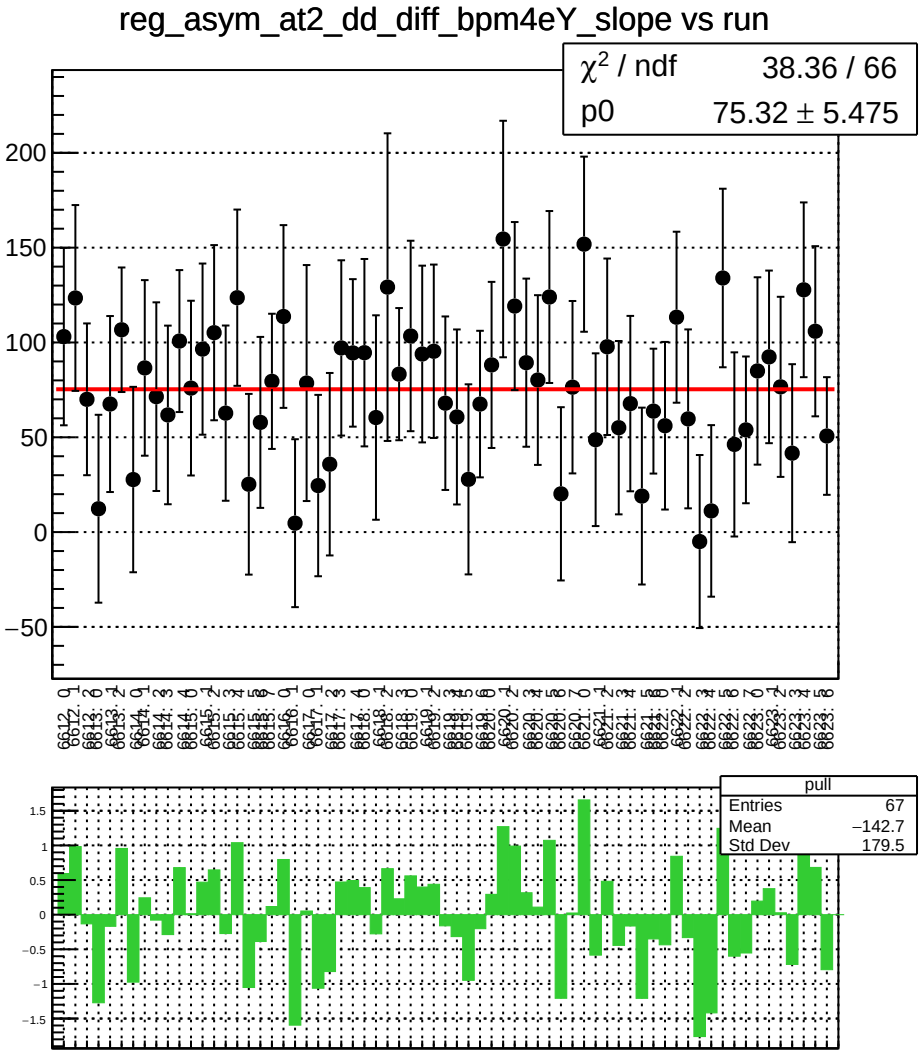

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 44.93 / 66
p0 −216.2 ± 6.613
pull
Entries 67
Mean 125
Std Dev 73.07

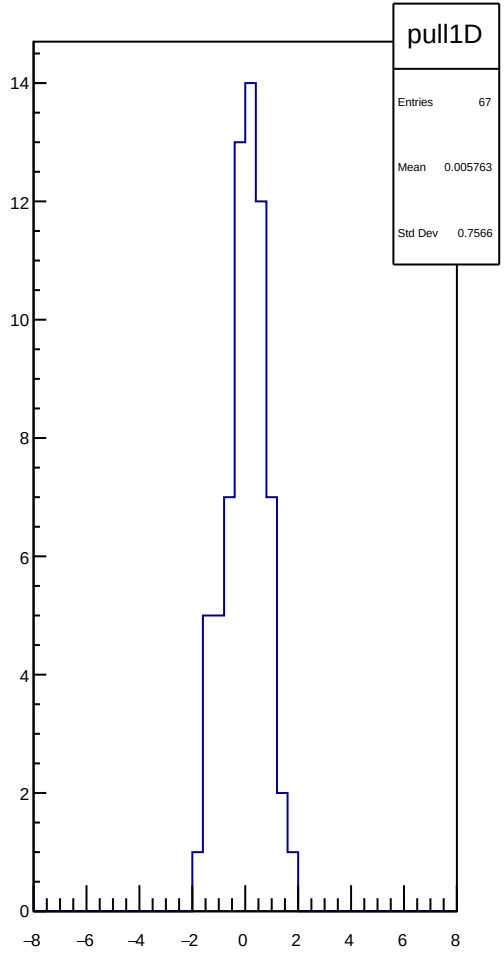

pull1D
Entries 67
Mean −0.01011
Std Dev 0.8189

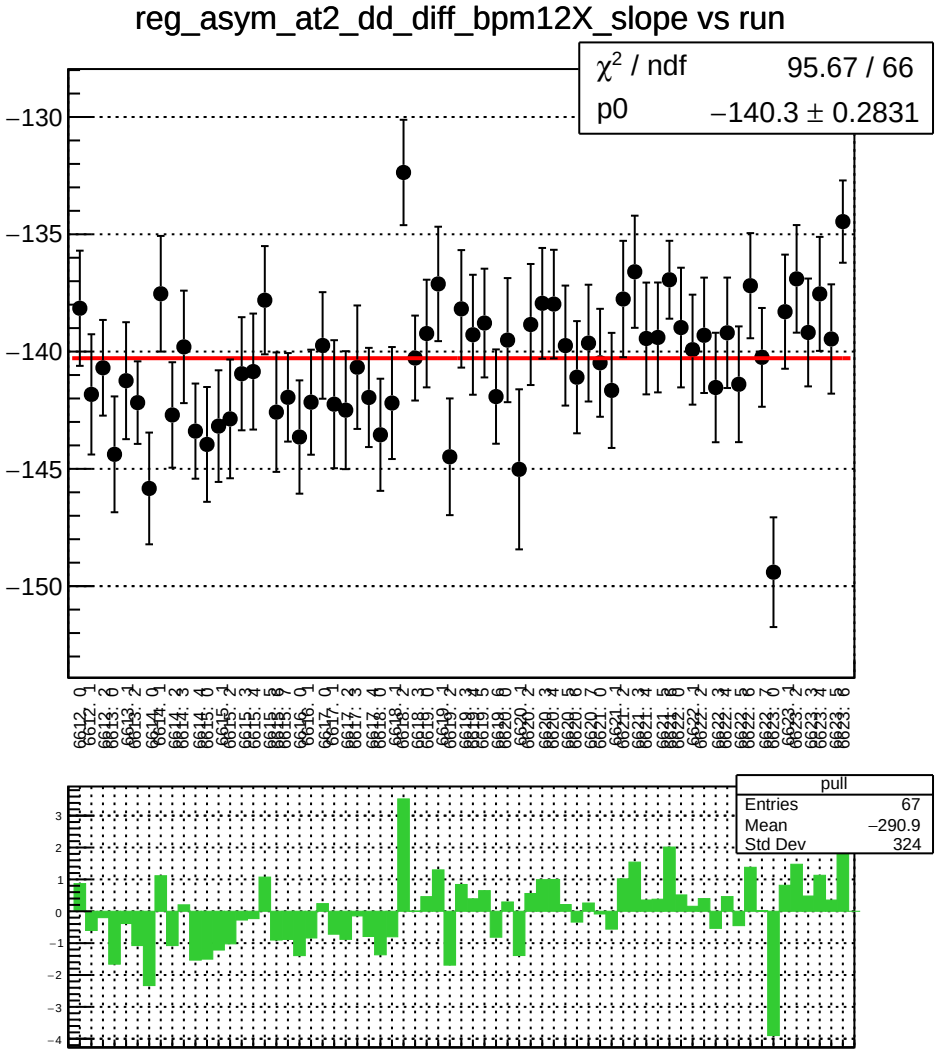

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 66
p0 −0.3396 ± 4.566
pull
Entries 67
Mean −356.5
Std Dev 397.6
pull1D
Entries 67
Mean −0.002882
Std Dev 0.7302

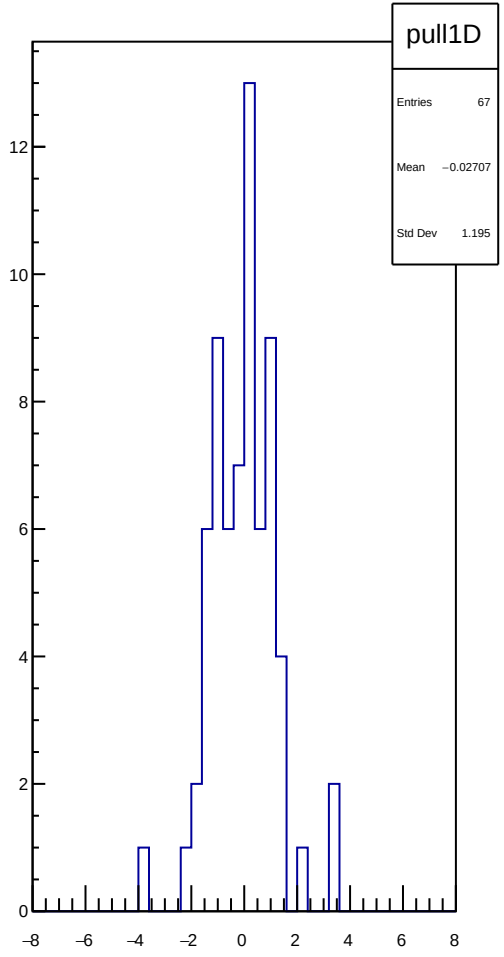

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 45.29 / 66
p0 344.5 ± 7.058
pull
Entries 67
Mean 111.6
Std Dev 62.53

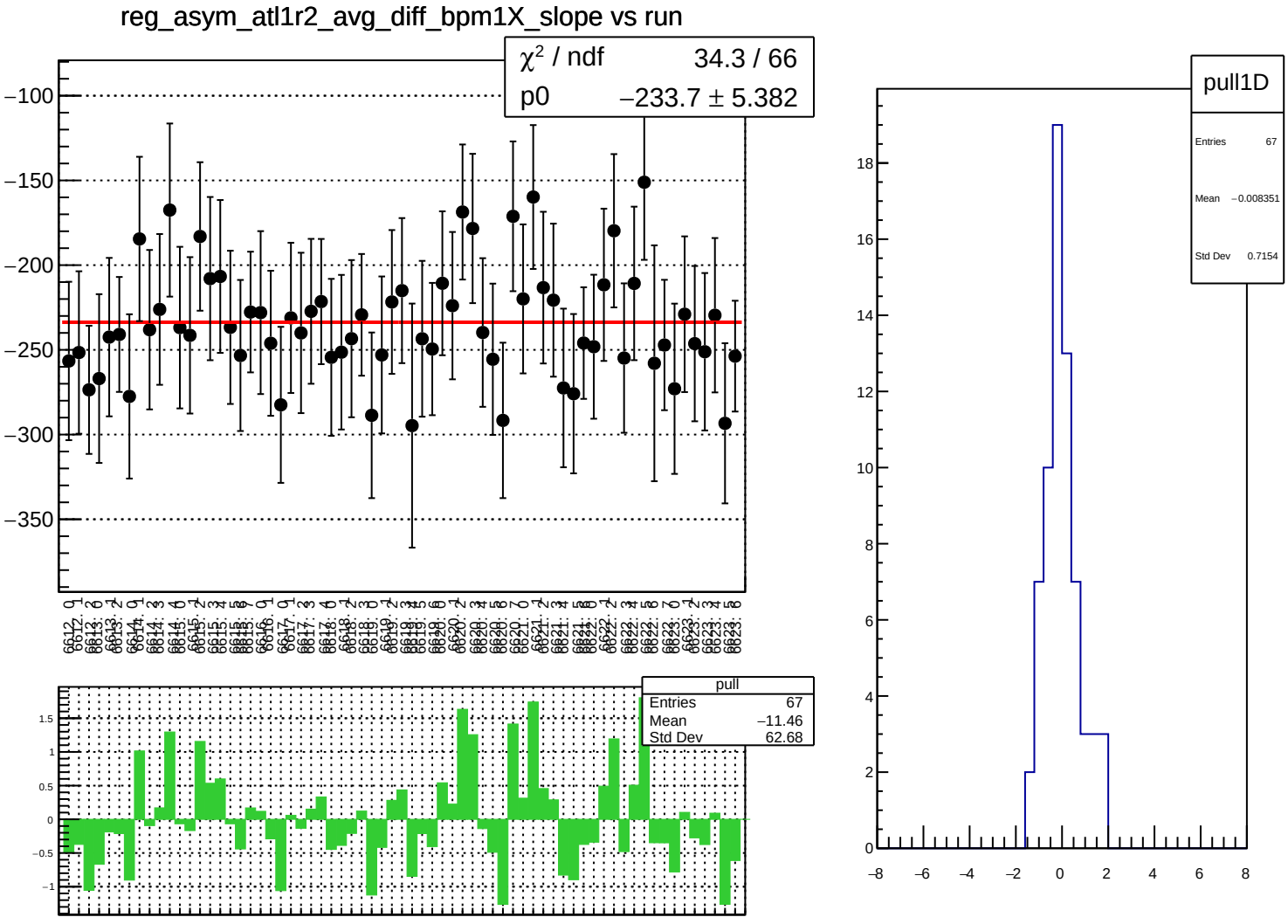

pull1D
Entries 67
Mean 0.01333
Std Dev 0.8221

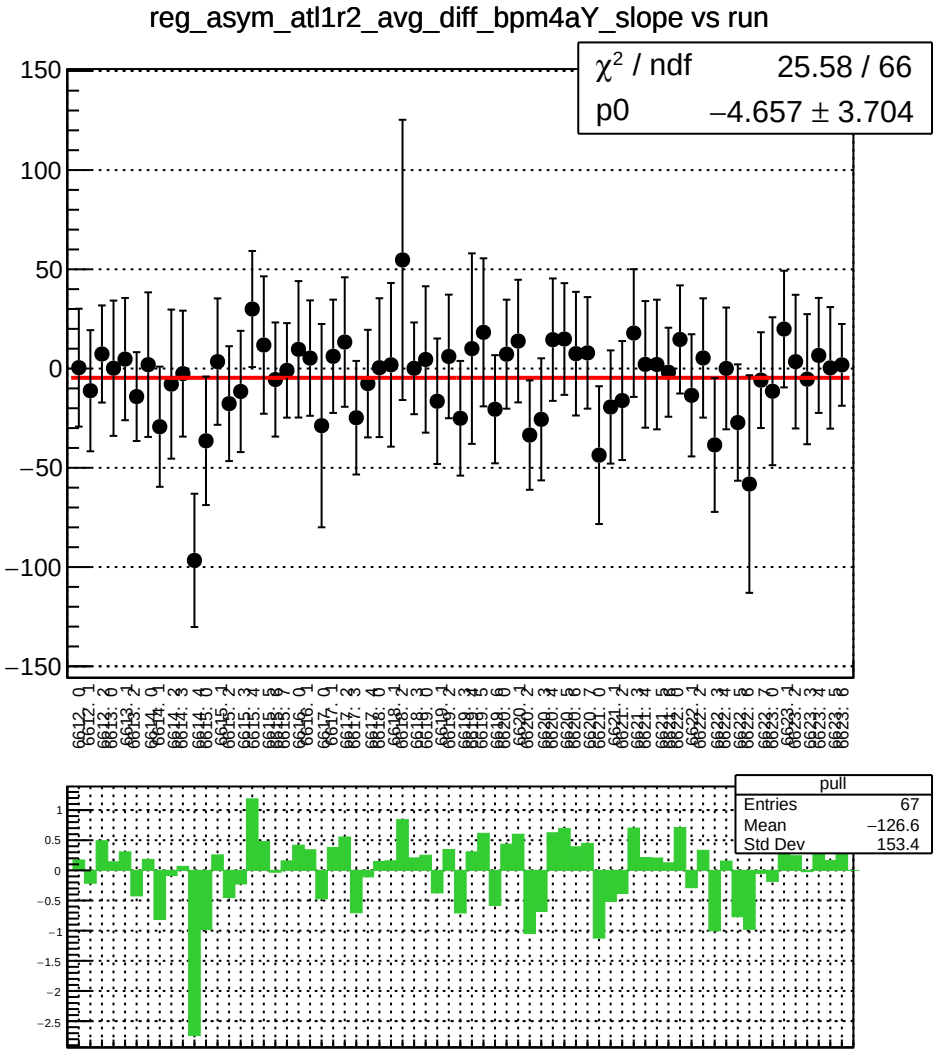

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 38.36 / 66
p0 75.32 ± 5.475
pull
Entries 67
Mean −142.7
Std Dev 179.5

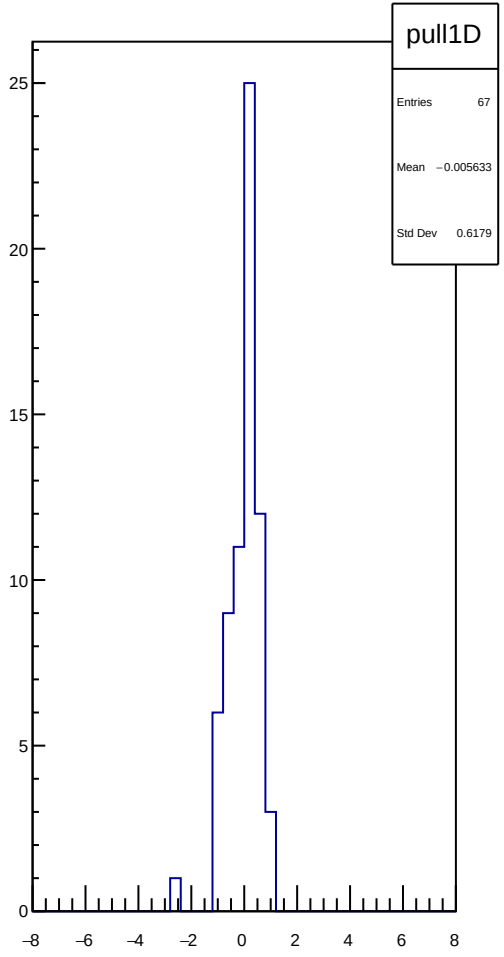

pull1D
Entries 67
Mean 0.005763
Std Dev 0.7566

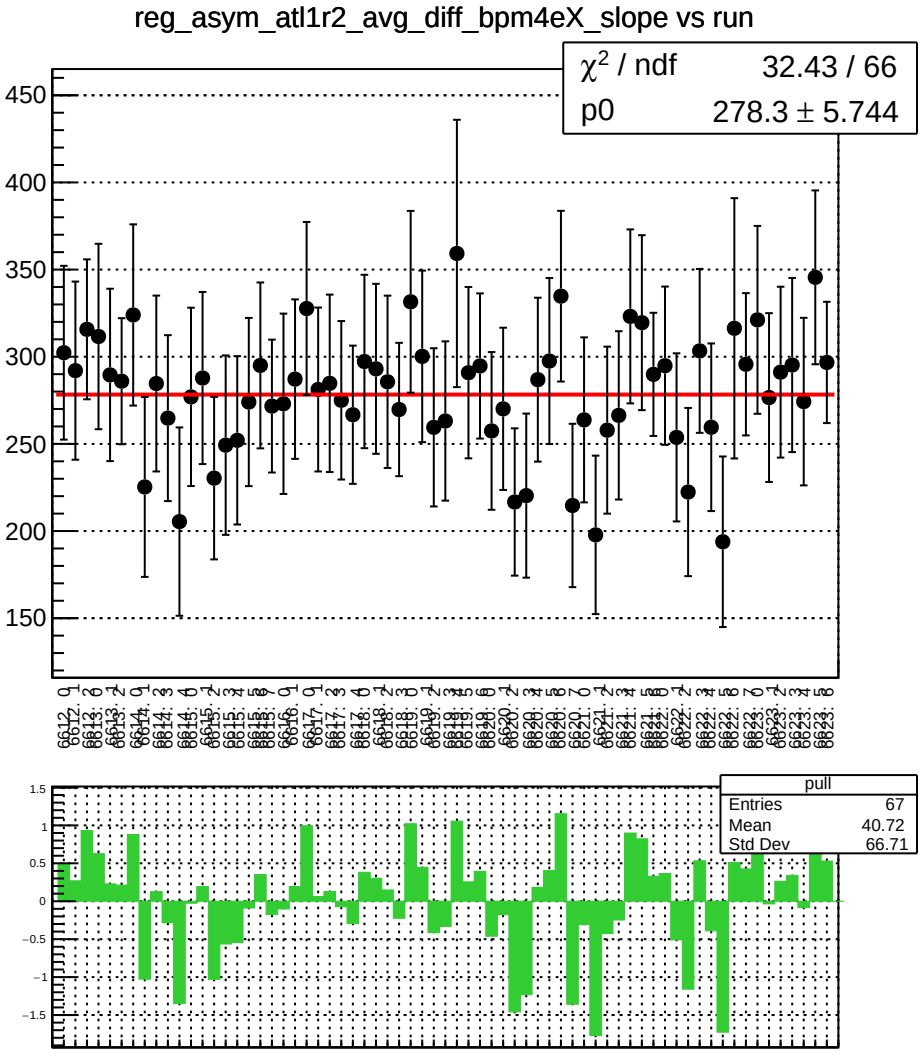

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 95.67 / 66
p0 −140.3 ± 0.2831
−130
−135
−140
−145
−150
pull
Entries 67
Mean −290.9
Std Dev 324

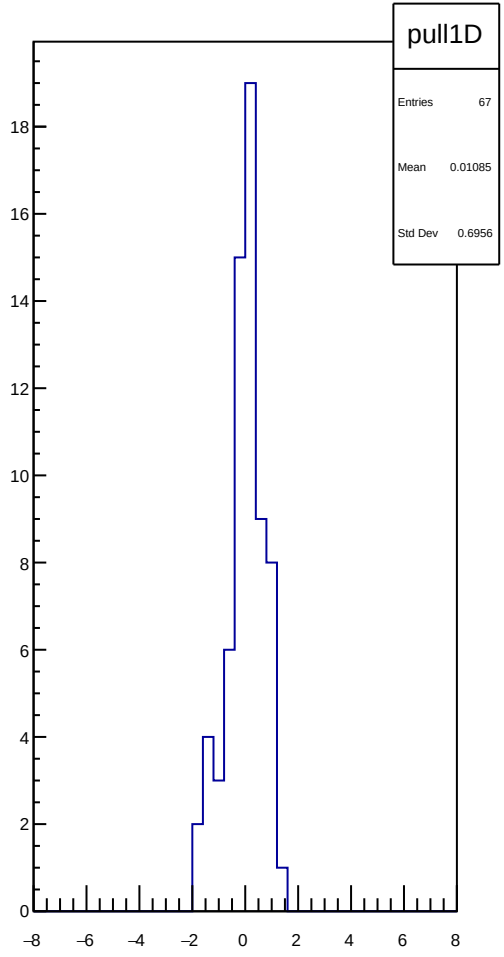

pull1D
Entries 67
Mean −0.02707
Std Dev 1.195

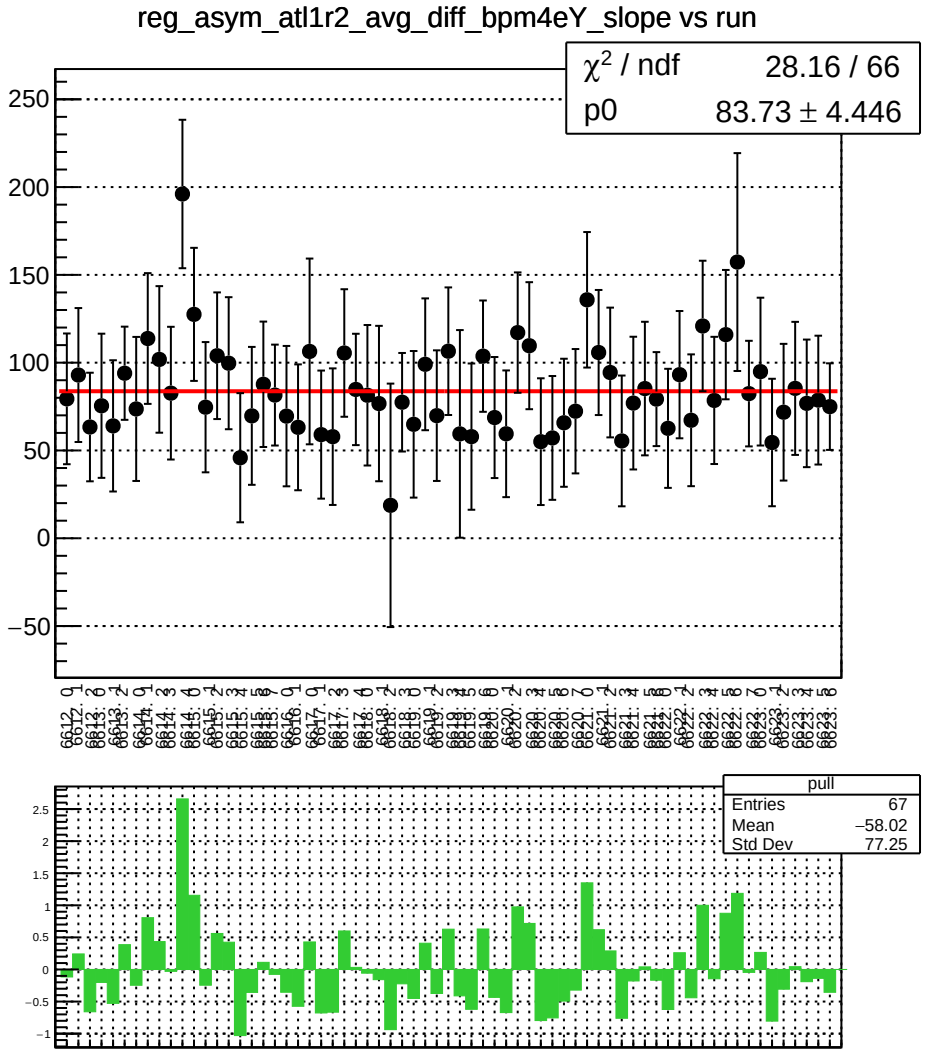

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 34.3 / 66
p0 −233.7 ± 5.382
pull
Entries 67
Mean −11.46
Std Dev 62.68
pull1D
Entries 67
Mean −0.008351
Std Dev 0.7154

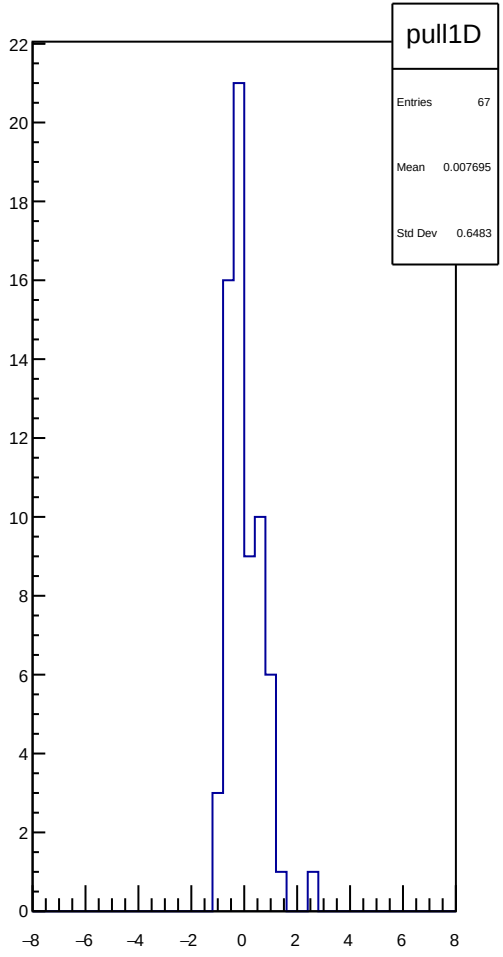

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.58 / 66
p0 −4.657 ± 3.704
pull
Entries 67
Mean −126.6
Std Dev 153.4

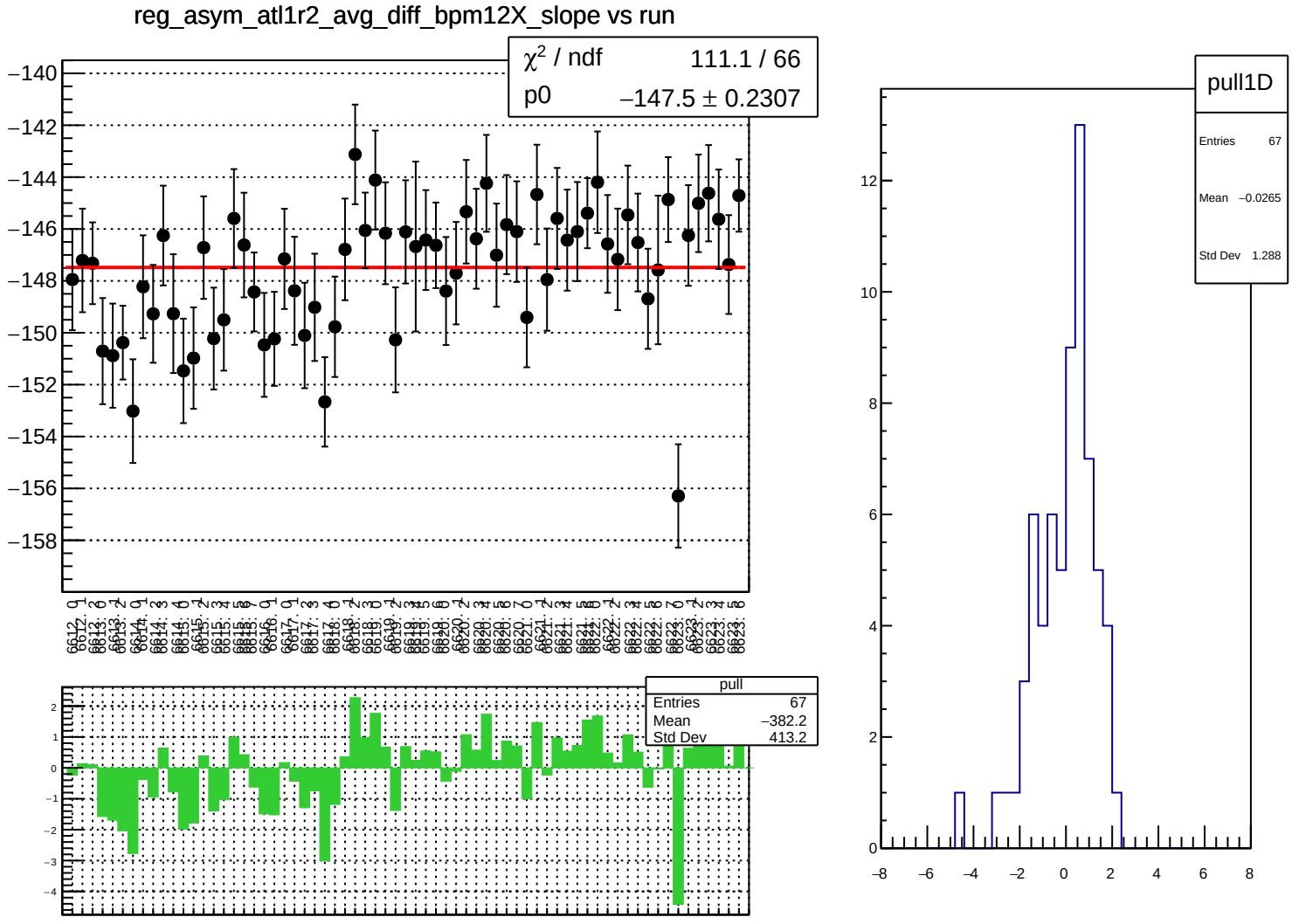

pull1D
Entries 67
Mean −0.005633
Std Dev 0.6179

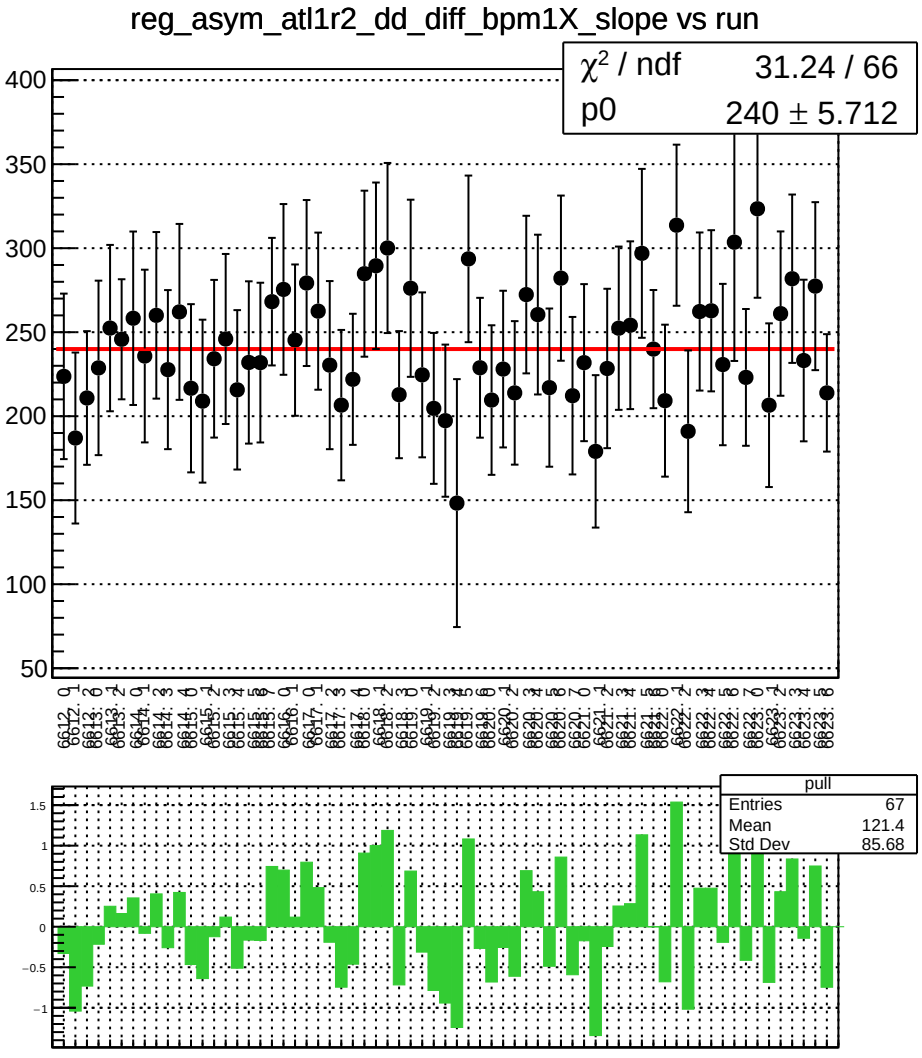

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.43 / 66
p0 278.3 ± 5.744
pull
Entries 67
Mean 40.72
Std Dev 66.71

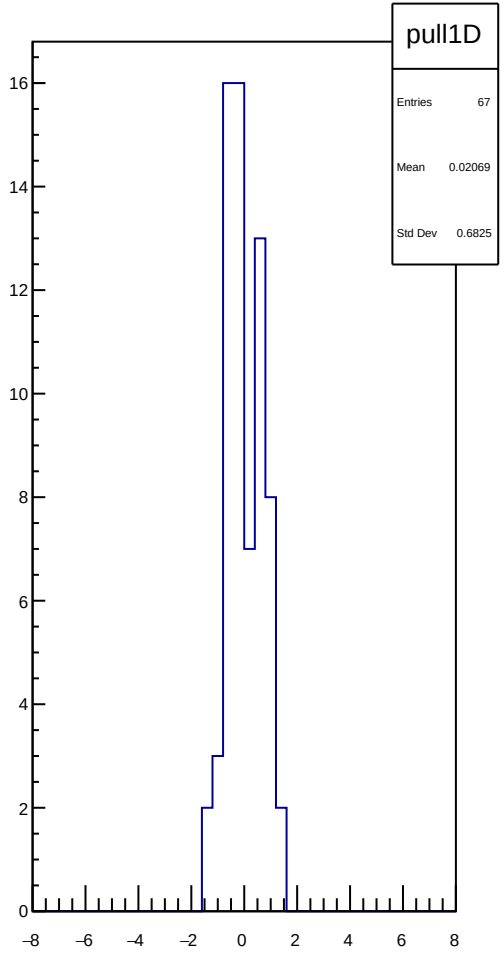

pull1D
Entries 67
Mean 0.01085
Std Dev 0.6956

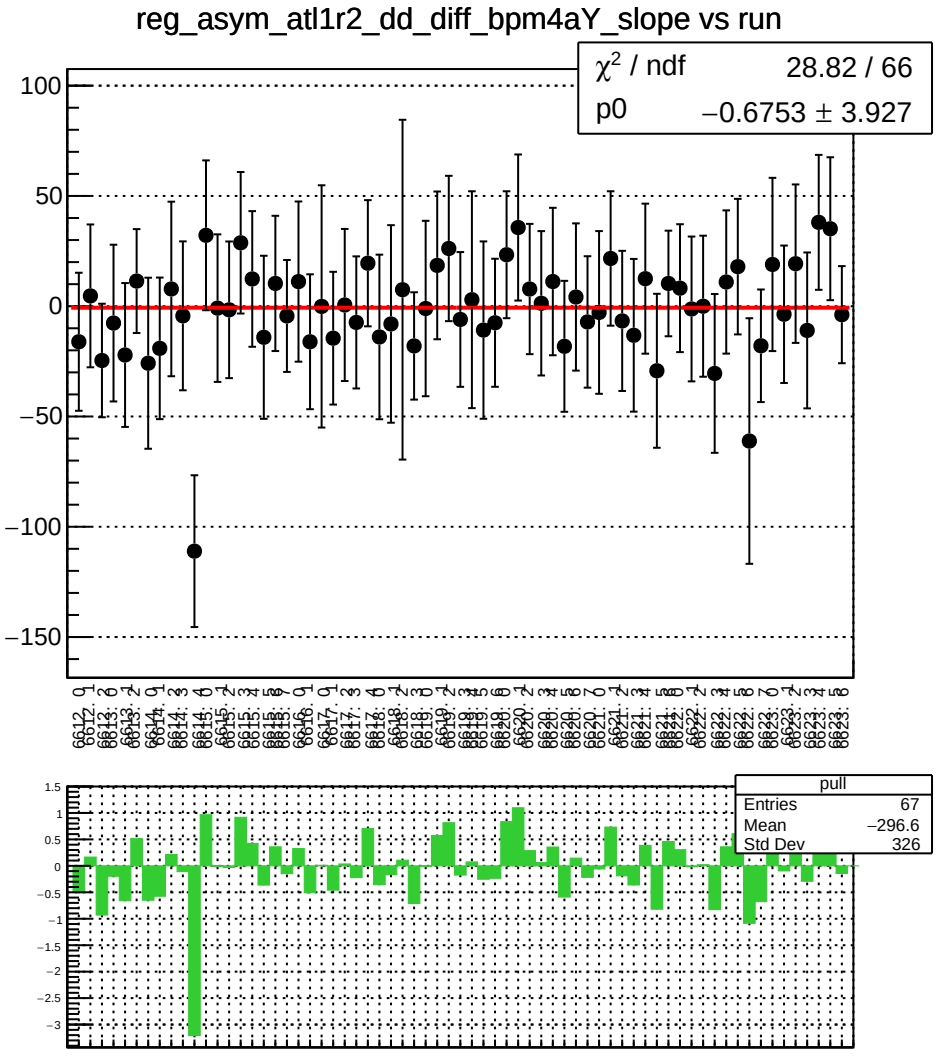

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.16 / 66
p0 83.73 ± 4.446
pull
Entries 67
Mean −58.02
Std Dev 77.25

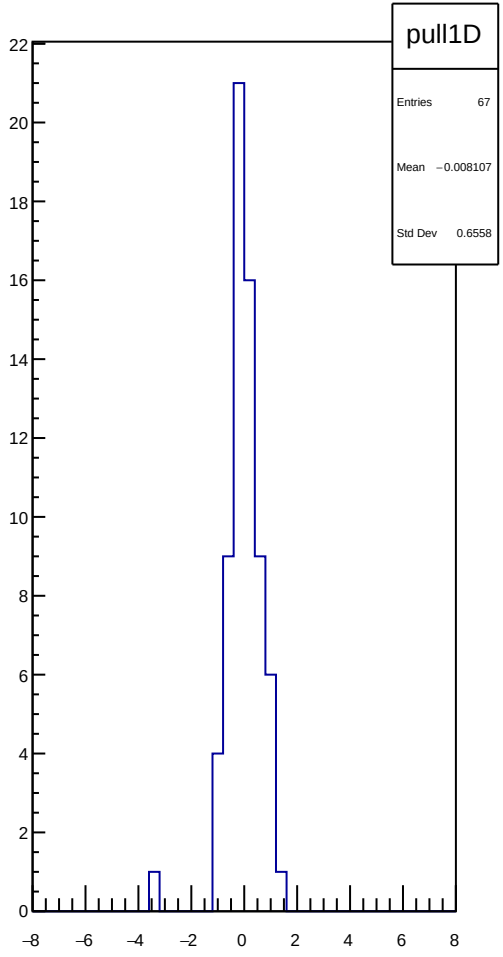

pull1D
Entries 67
Mean 0.007695
Std Dev 0.6483

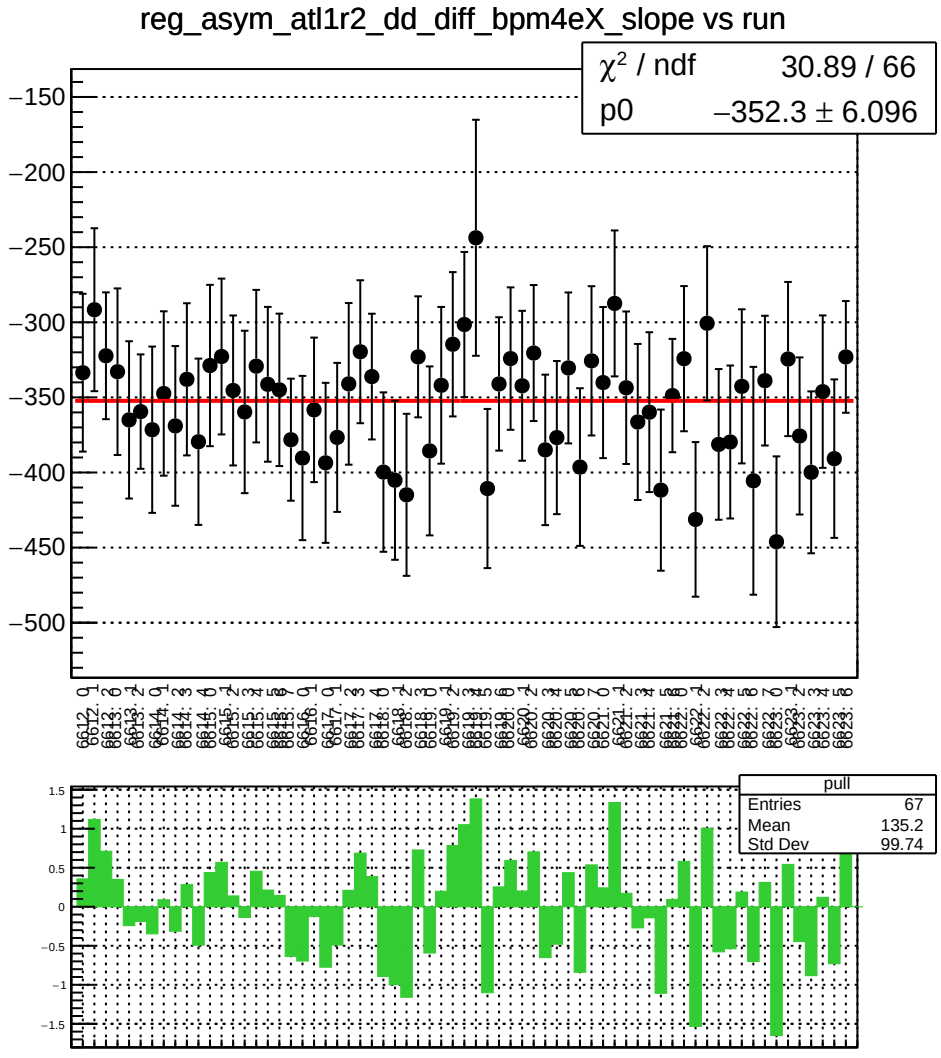

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 66
p0 −147.5 ± 0.2307
pull
Entries 67
Mean −382.2
Std Dev 413.2
pull1D
Entries 67
Mean −0.0265
Std Dev 1.288

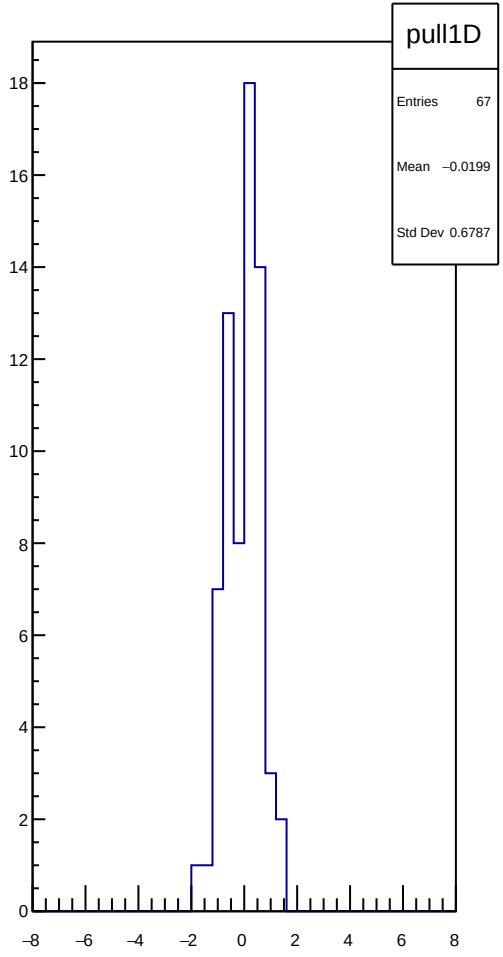

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 31.24 / 66
p0 240 ± 5.712
pull
Entries 67
Mean 121.4
Std Dev 85.68

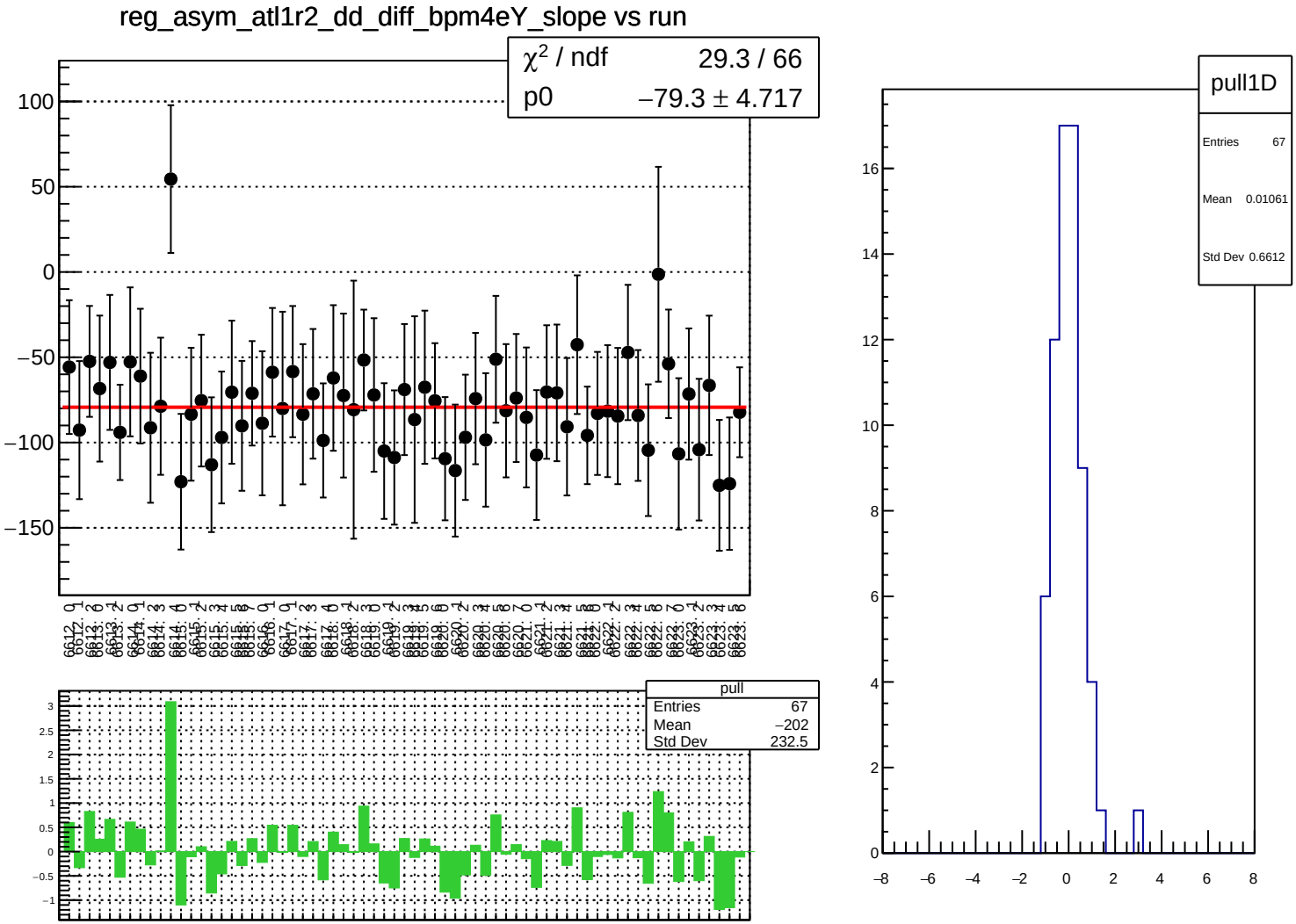

pull1D
Entries 67
Mean 0.02069
Std Dev 0.6825

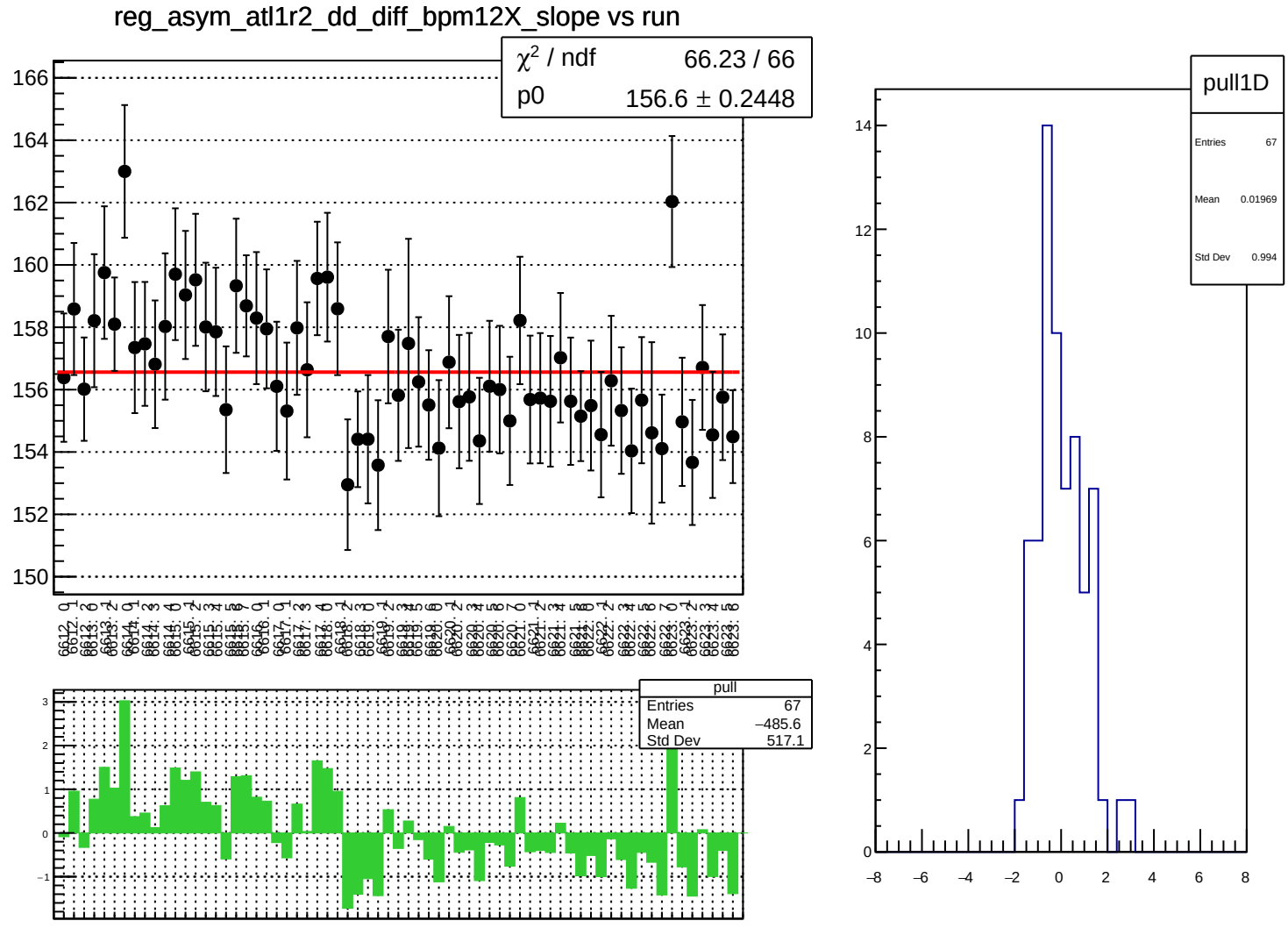

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.82 / 66
p0 −0.6753 ± 3.927
pull
Entries 67
Mean −296.6
Std Dev 326

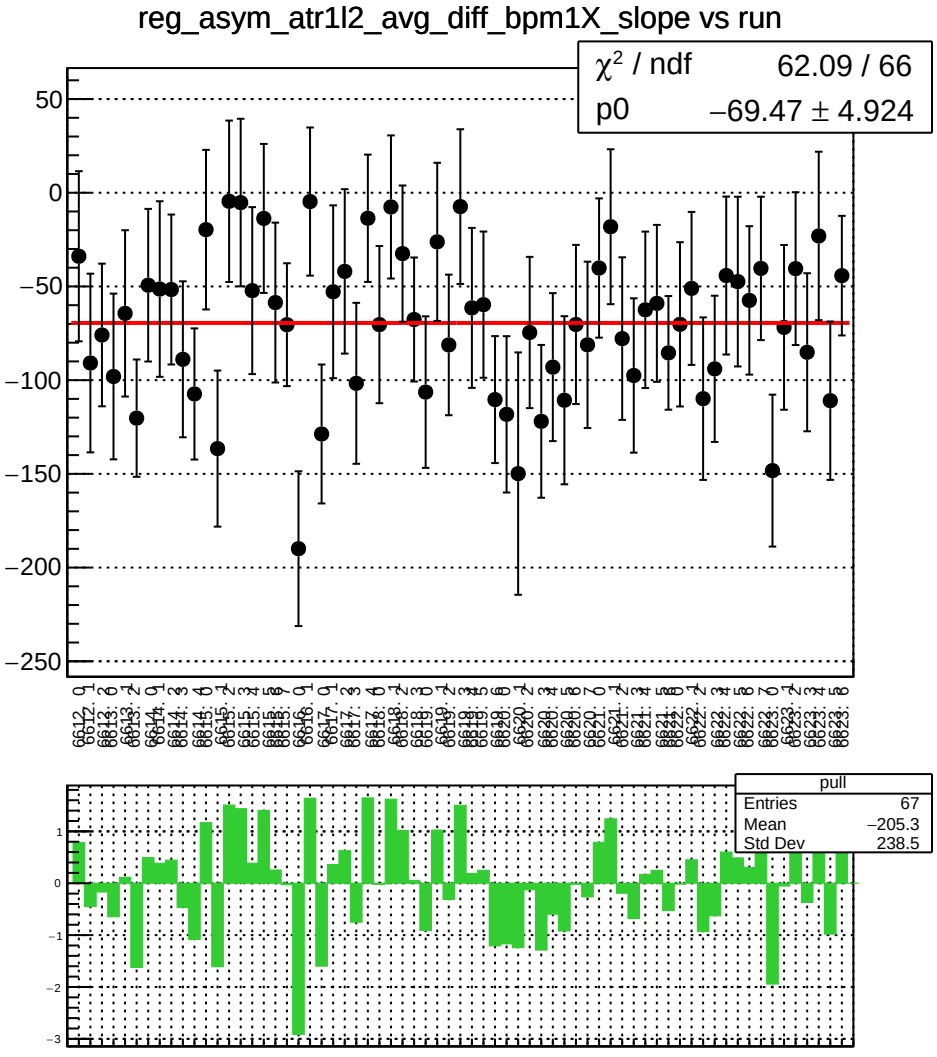

pull1D
Entries 67
Mean −0.008107
Std Dev 0.6558

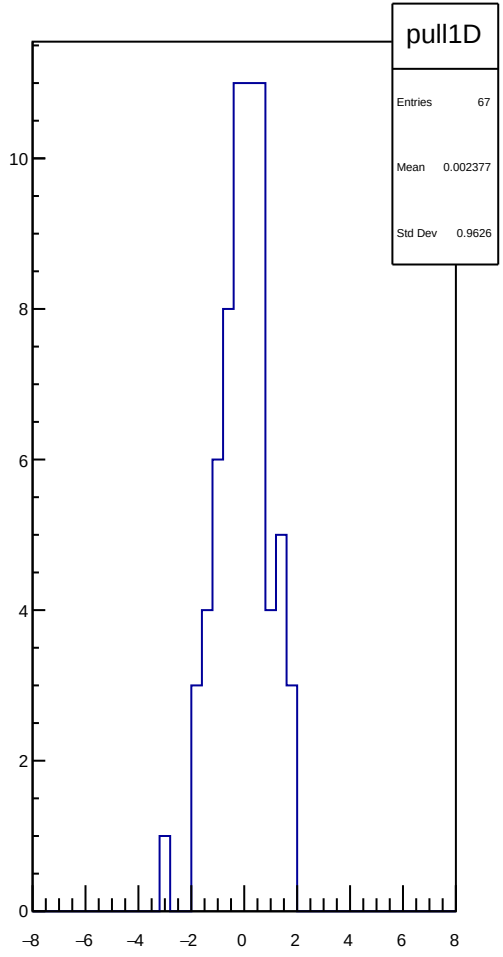

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.89 / 66
p0 −352.3 ± 6.096
pull
Entries 67
Mean 135.2
Std Dev 99.74

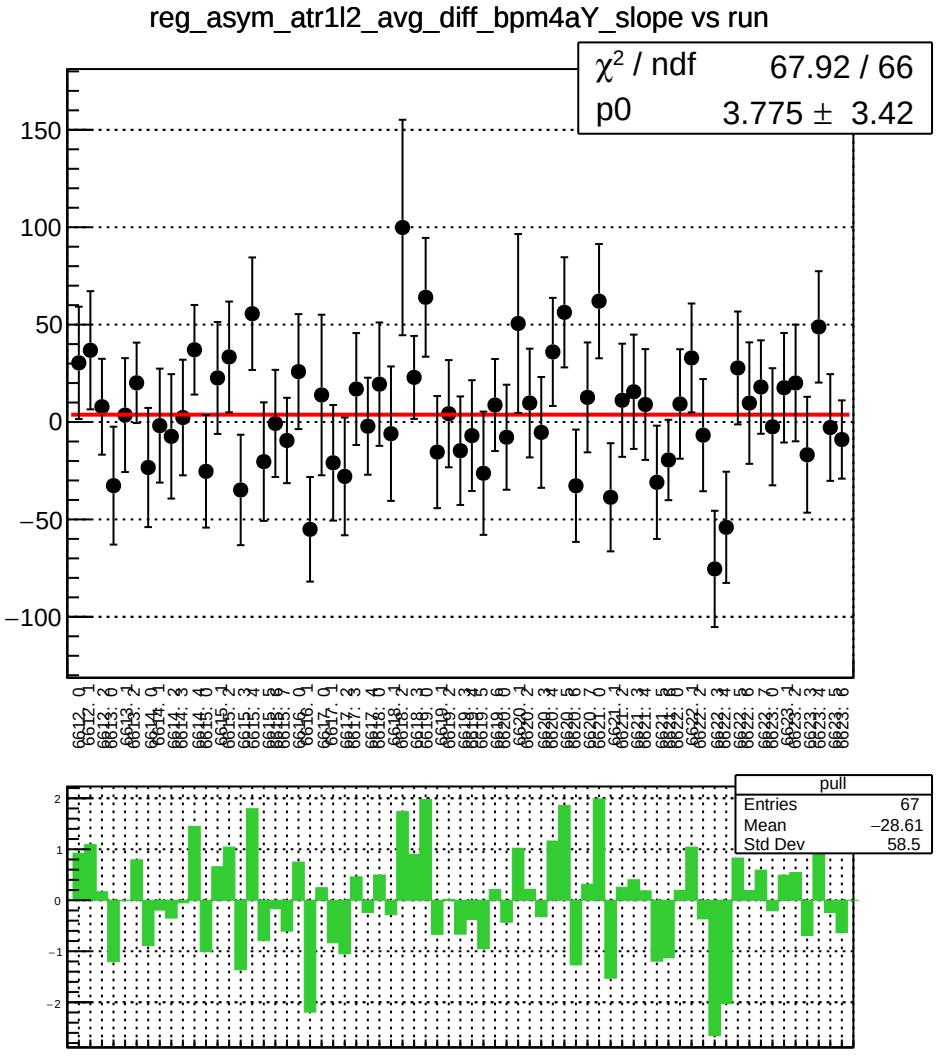

pull1D
Entries 67
Mean −0.0199
Std Dev 0.6787

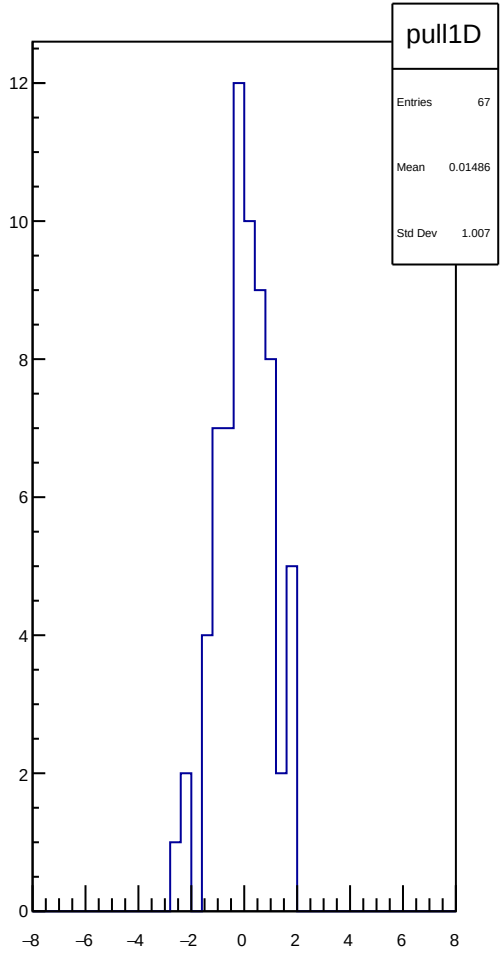

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.3 / 66
p0 −79.3 ± 4.717
pull
Entries 67
Mean −202
Std Dev 232.5
pull1D
Entries 67
Mean 0.01061
Std Dev 0.6612

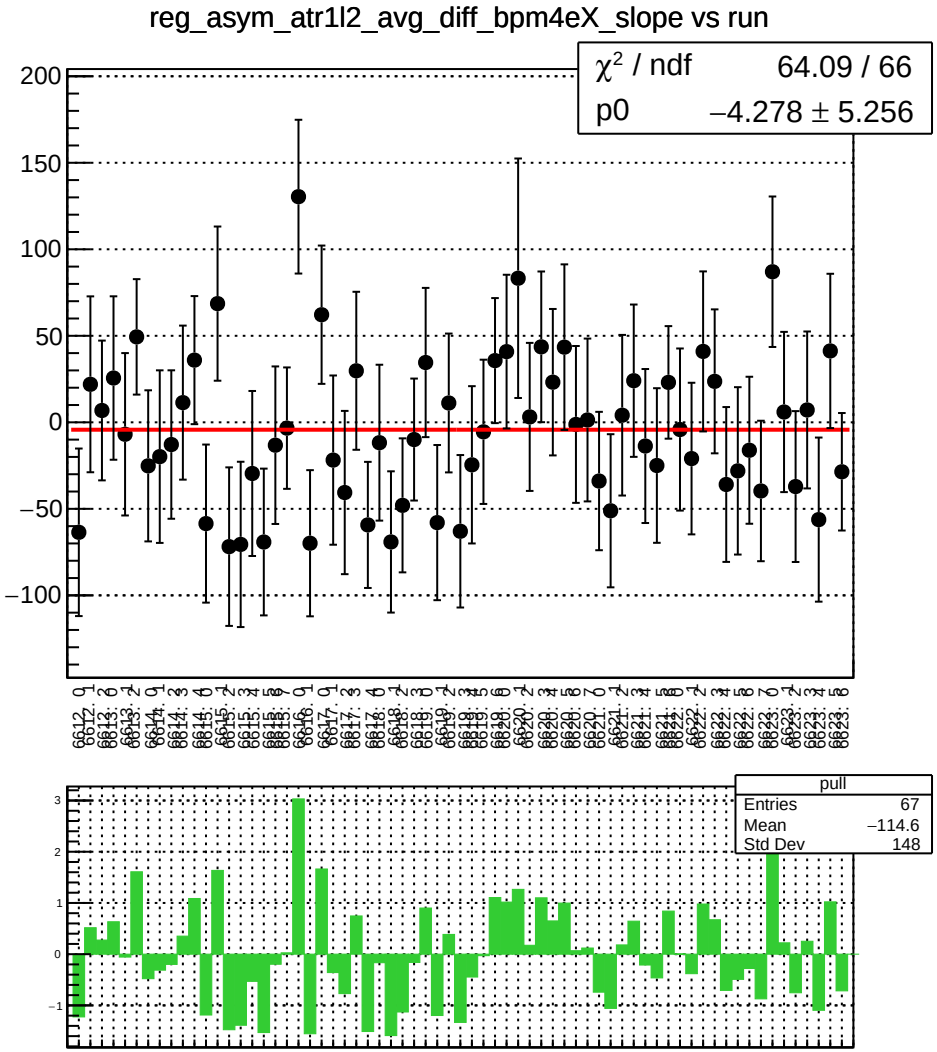

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 66.23 / 66
p0 156.6 ± 0.2448
pull
Entries 67
Mean −485.6
Std Dev 517.1
pull1D
Entries 67
Mean 0.01969
Std Dev 0.994

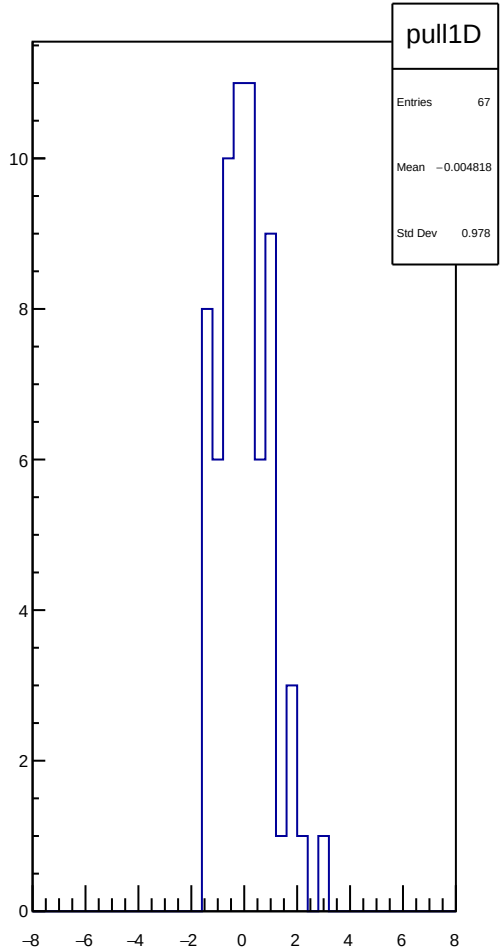

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.09 / 66
p0 −69.47 ± 4.924
pull
Entries 67
Mean −205.3
Std Dev 238.5

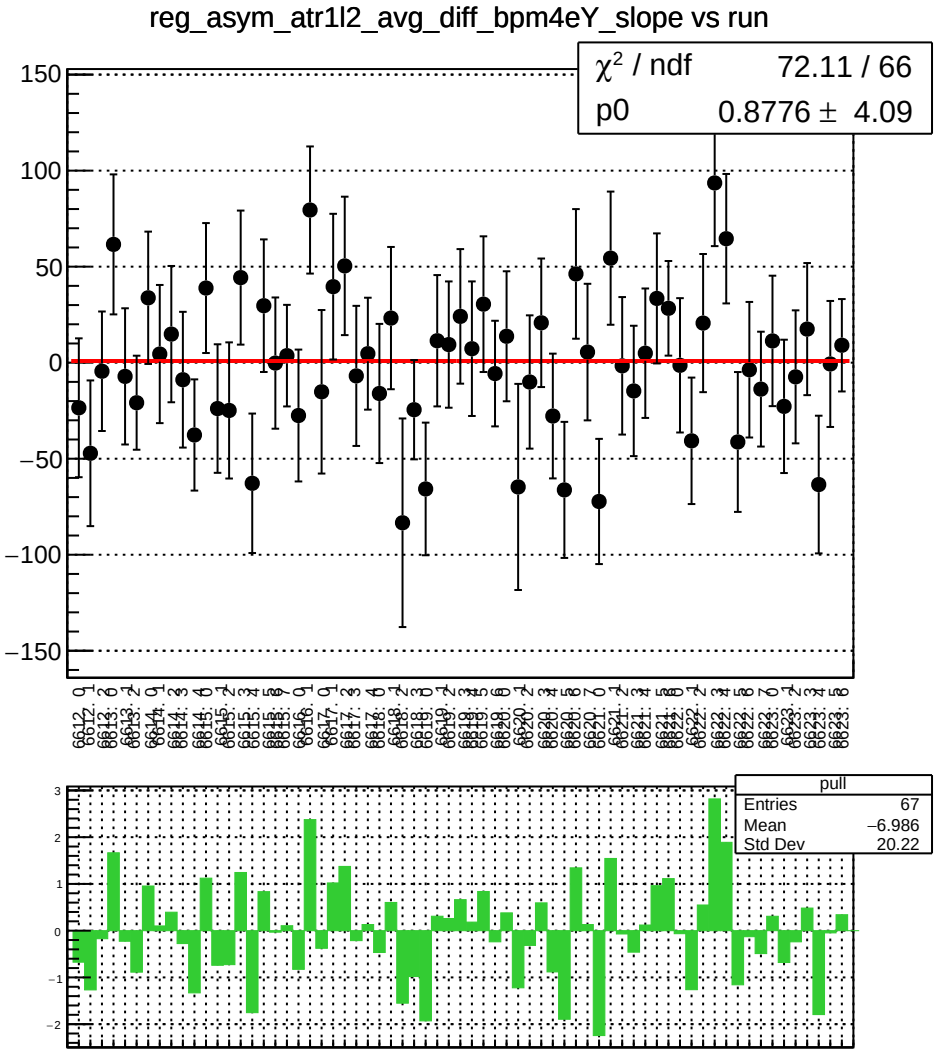

pull1D
Entries 67
Mean 0.002377
Std Dev 0.9626

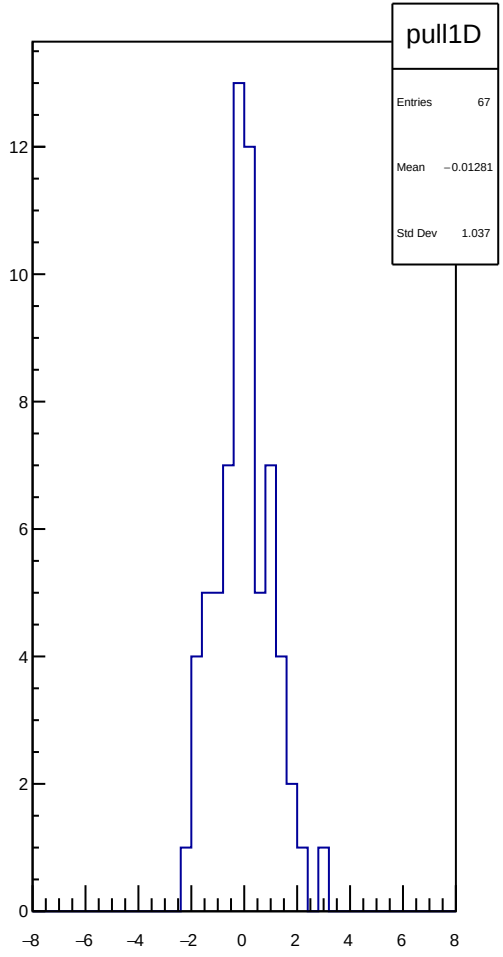

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.92 / 66
p0 3.775 ± 3.42
pull
Entries 67
Mean −28.61
Std Dev 58.5

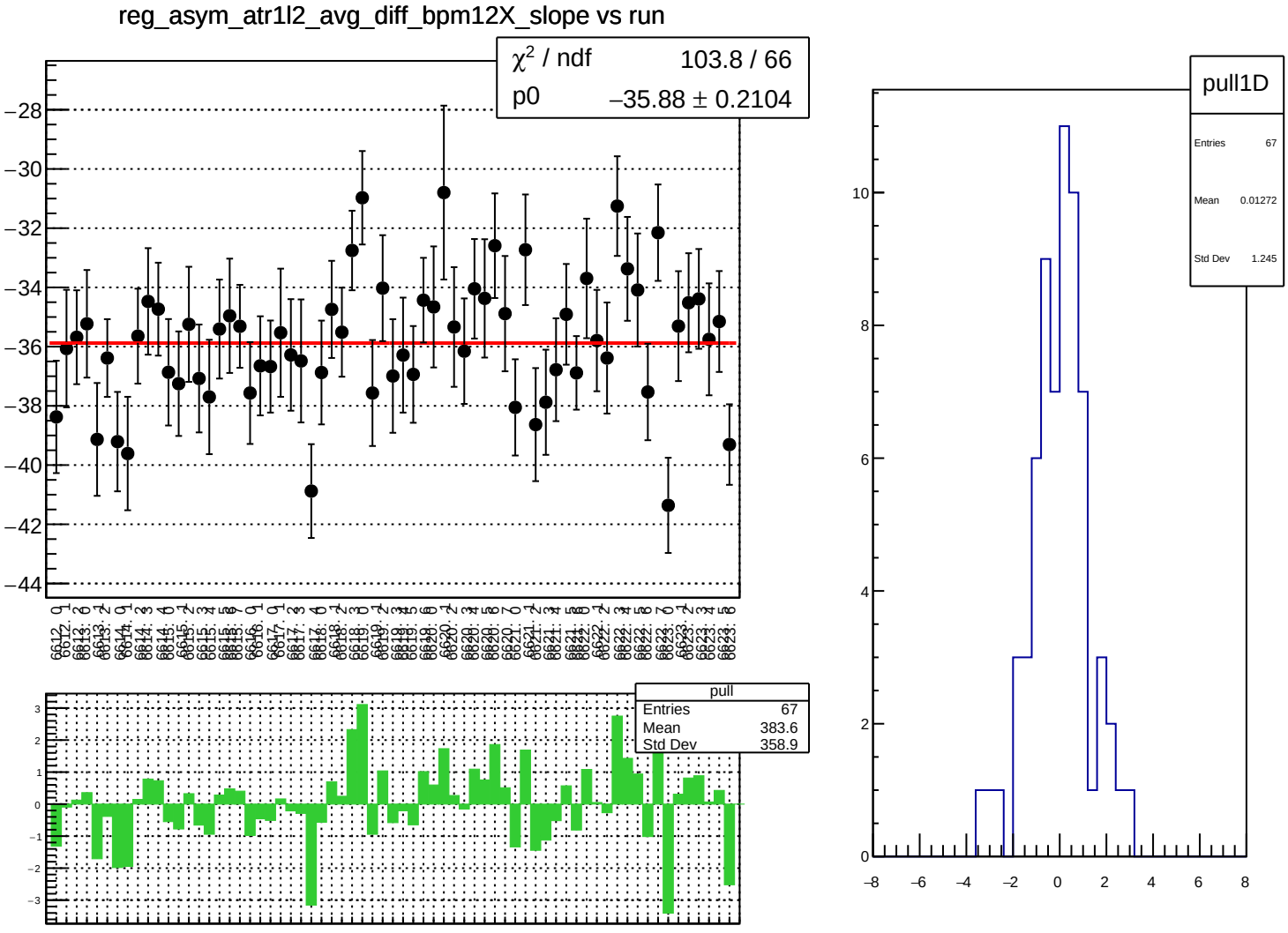

pull1D
Entries 67
Mean 0.01486
Std Dev 1.007

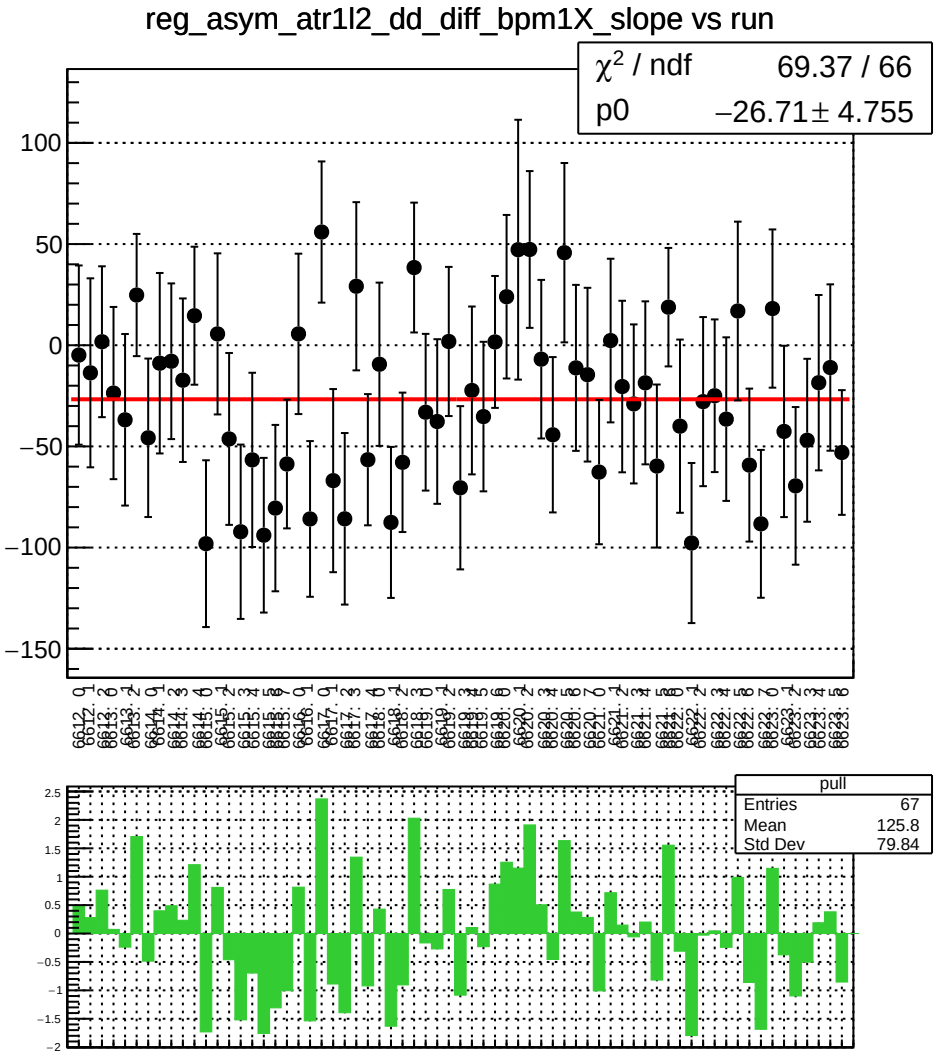

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.09 / 66
p0 −4.278 ± 5.256
pull
Entries 67
Mean −114.6
Std Dev 148

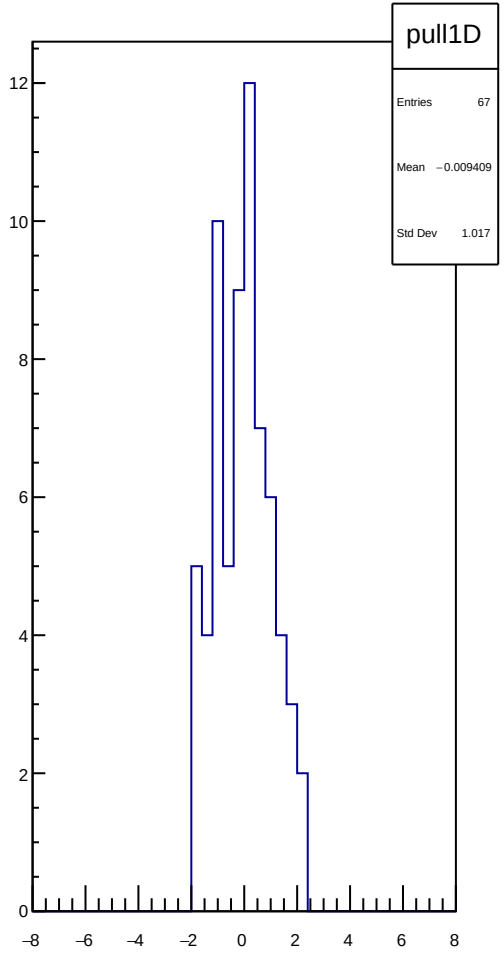

pull1D
Entries 67
Mean −0.004818
Std Dev 0.978

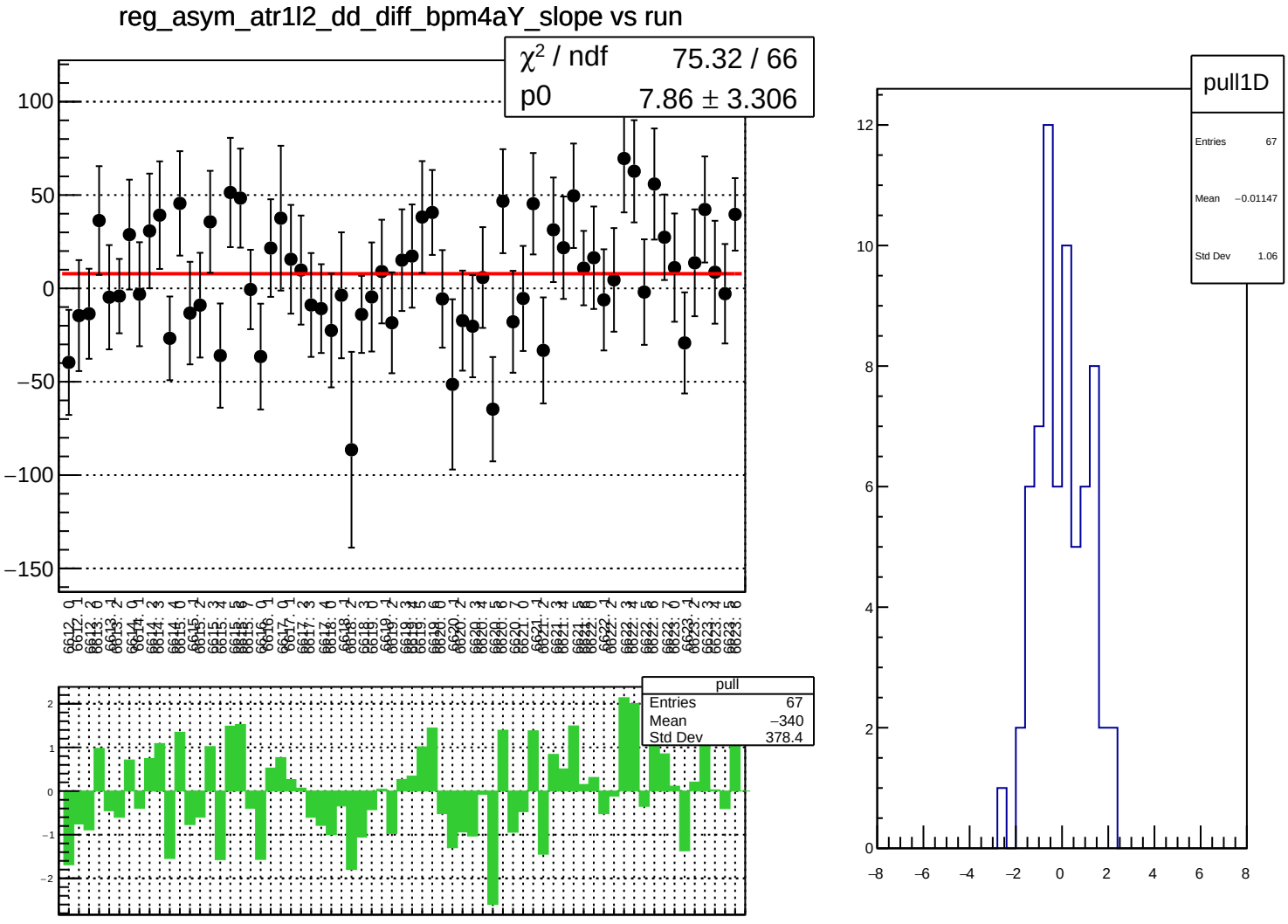

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 72.11 / 66
p0 0.8776 ± 4.09
pull
Entries 67
Mean −6.986
Std Dev 20.22

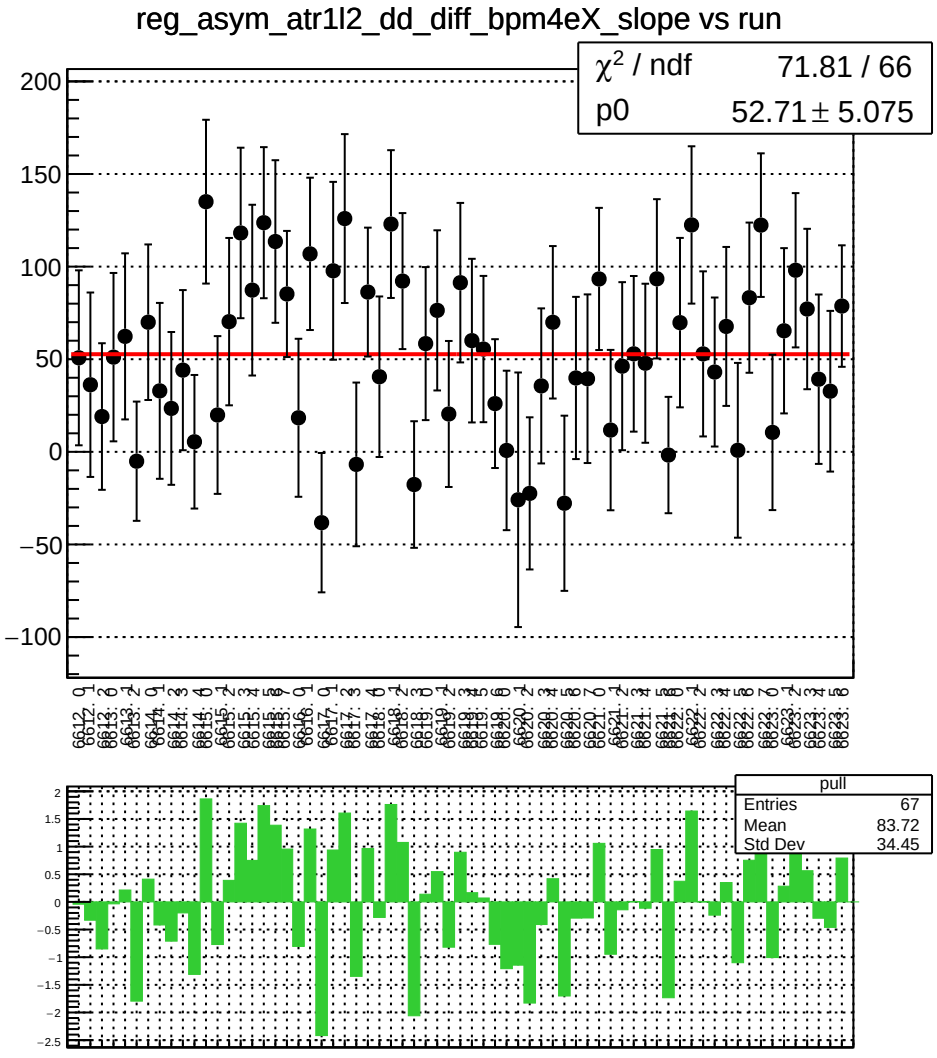

pull1D
Entries 67
Mean −0.01281
Std Dev 1.037

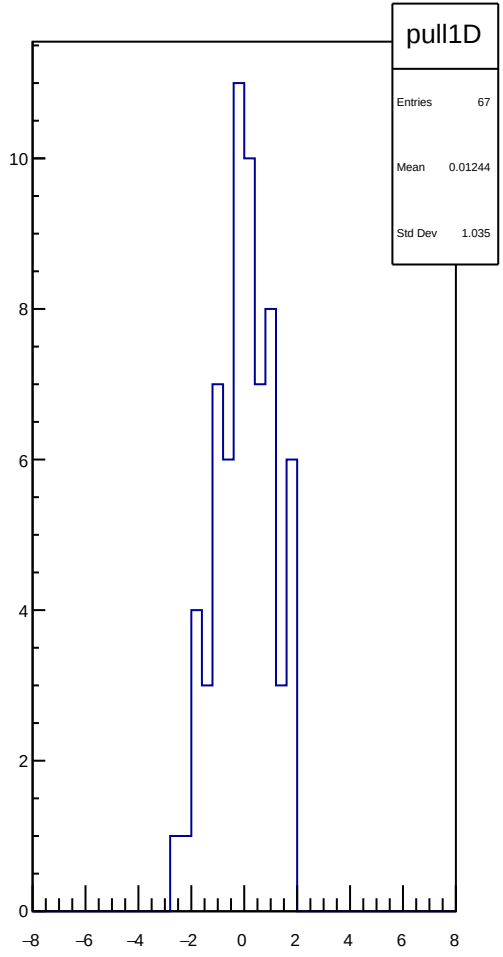

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 103.8 / 66
p0 −35.88 ± 0.2104
pull
Entries 67
Mean 383.6
Std Dev 358.9
pull1D
Entries 67
Mean 0.01272
Std Dev 1.245

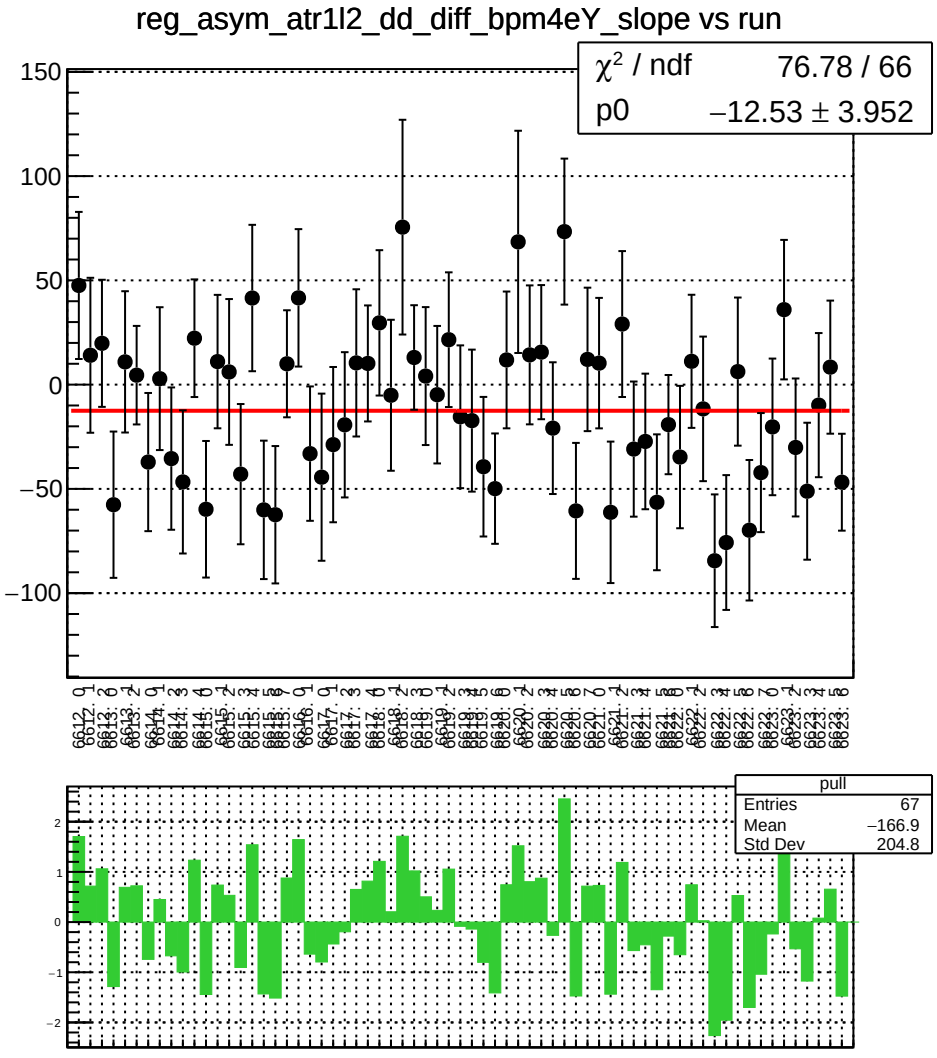

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 69.37 / 66
p0 −26.71 ± 4.755
pull
Entries 67
Mean 125.8
Std Dev 79.84

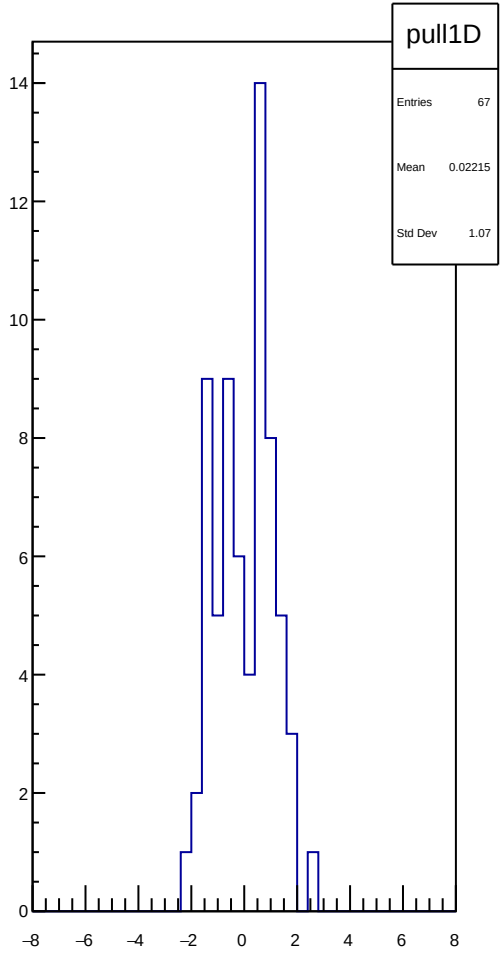

pull1D
Entries 67
Mean −0.009409
Std Dev 1.017

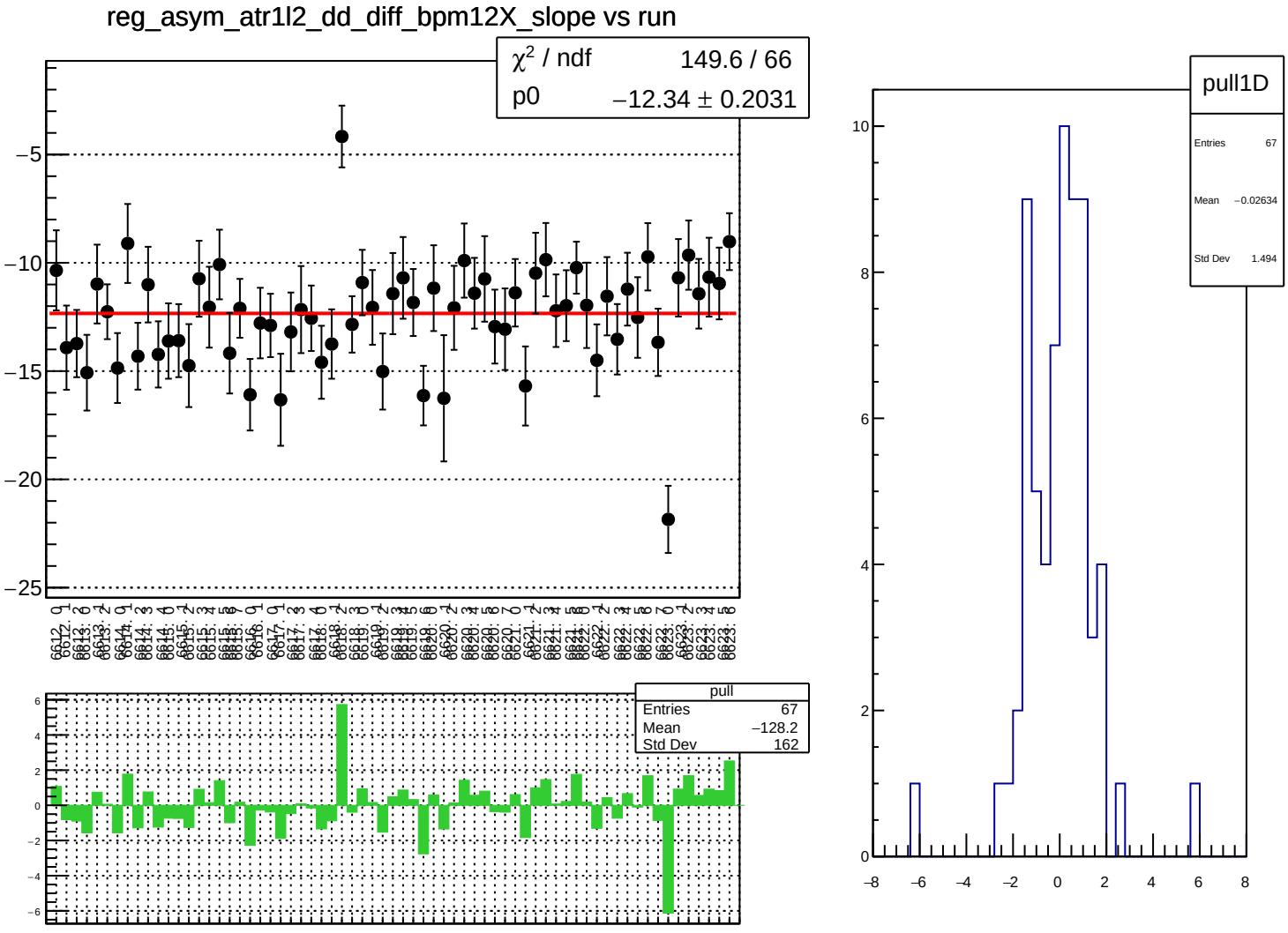

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.32 / 66
p0 7.86 ± 3.306
pull
Entries 67
Mean −340
Std Dev 378.4
pull1D
Entries 67
Mean −0.01147
Std Dev 1.06

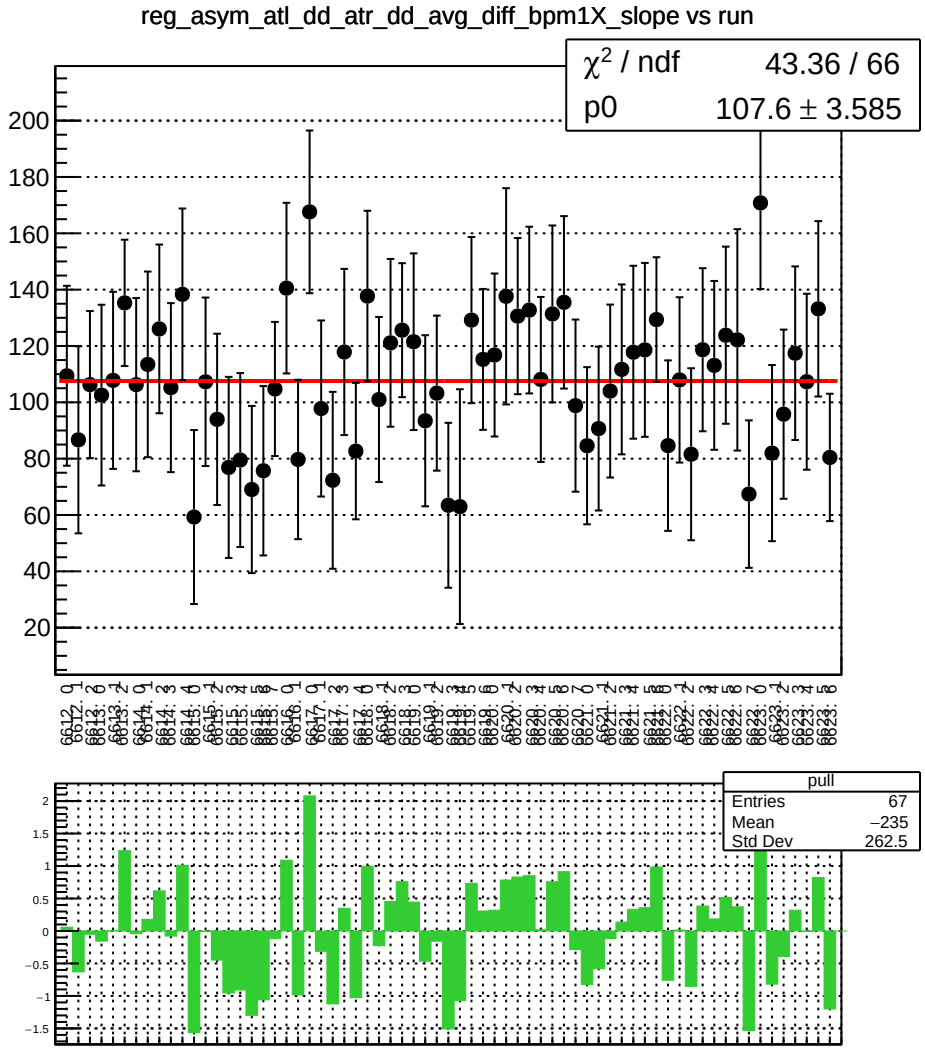

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 71.81 / 66
p0 52.71 ± 5.075
pull
Entries 67
Mean 83.72
Std Dev 34.45

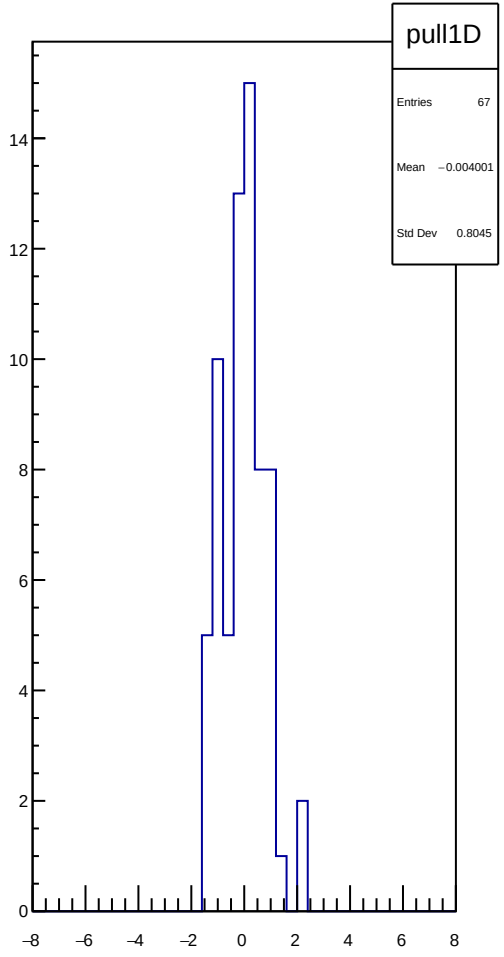

pull1D
Entries 67
Mean 0.01244
Std Dev 1.035

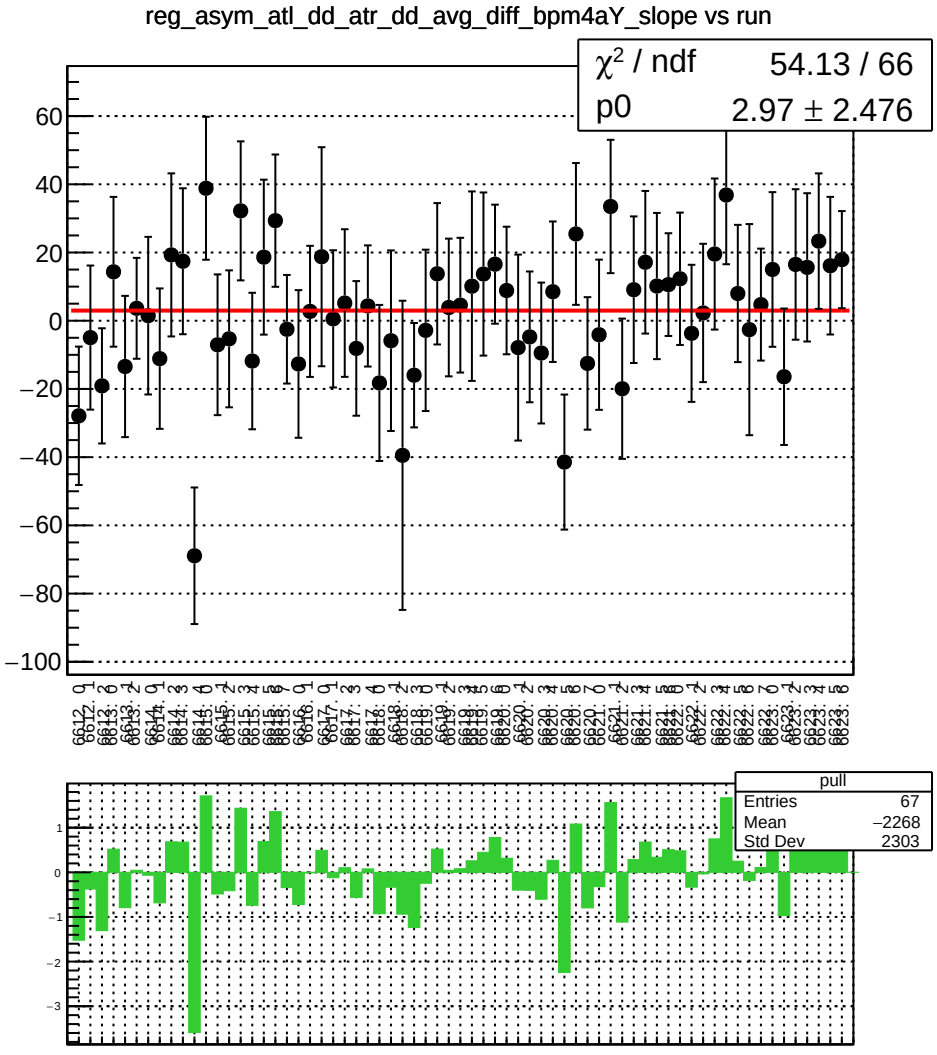

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.78 / 66
p0 −12.53 ± 3.952
pull
Entries 67
Mean −166.9
Std Dev 204.8

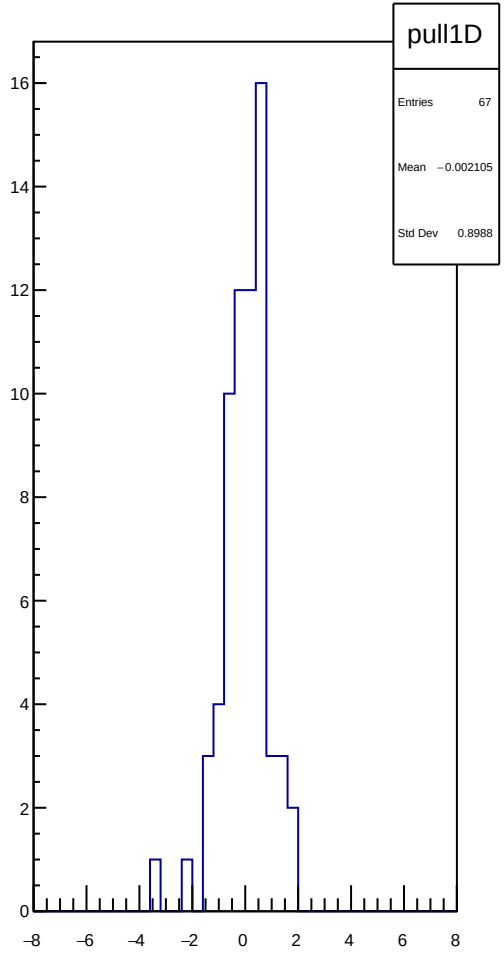

pull1D
Entries 67
Mean 0.02215
Std Dev 1.07

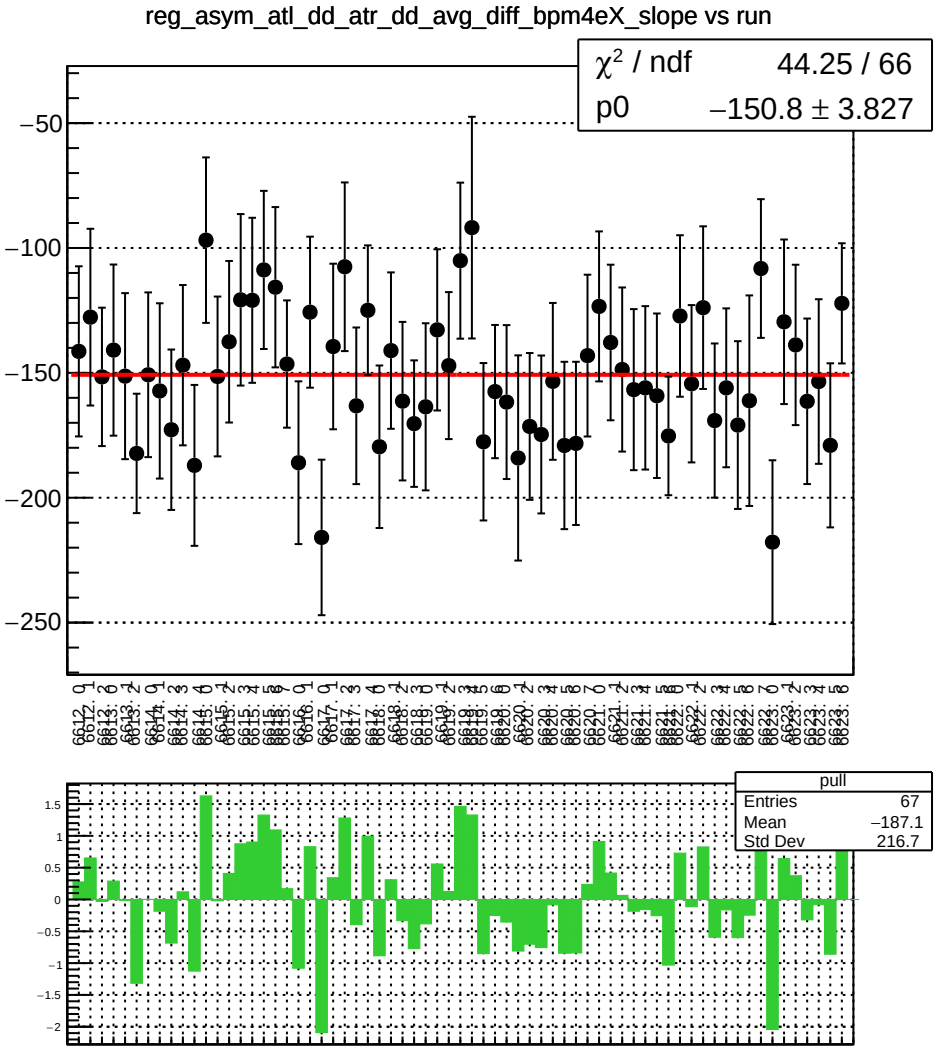

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 149.6 / 66
p0 −12.34 ± 0.2031
pull
Entries 67
Mean −128.2
Std Dev 162
pull1D
Entries 67
Mean −0.02634
Std Dev 1.494

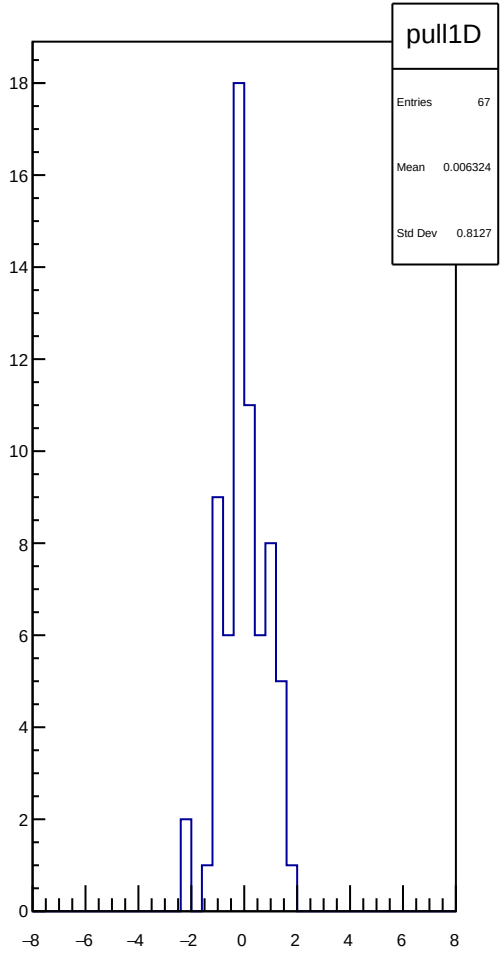

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ^2 / ndf 43.36 / 66
p0 107.6 ± 3.585
pull
Entries 67
Mean −235
Std Dev 262.5

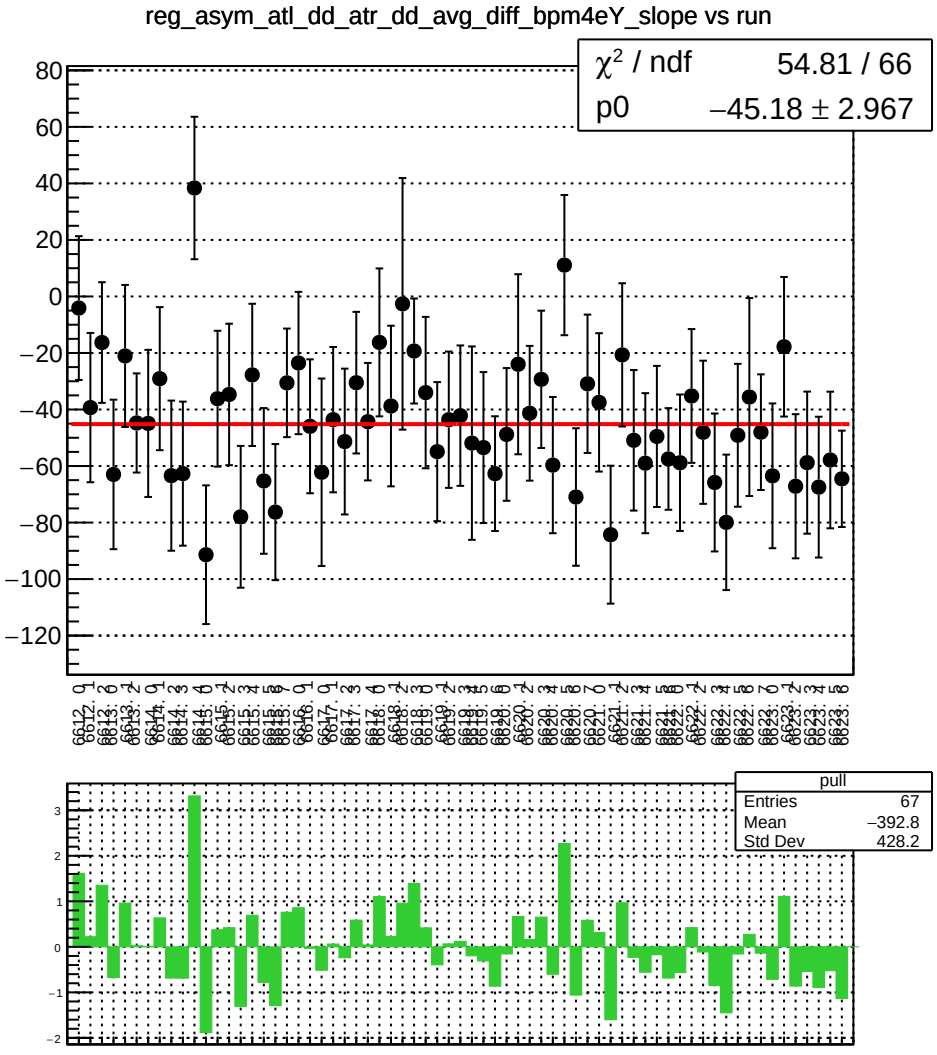

pull1D
Entries 67
Mean −0.004001
Std Dev 0.8045

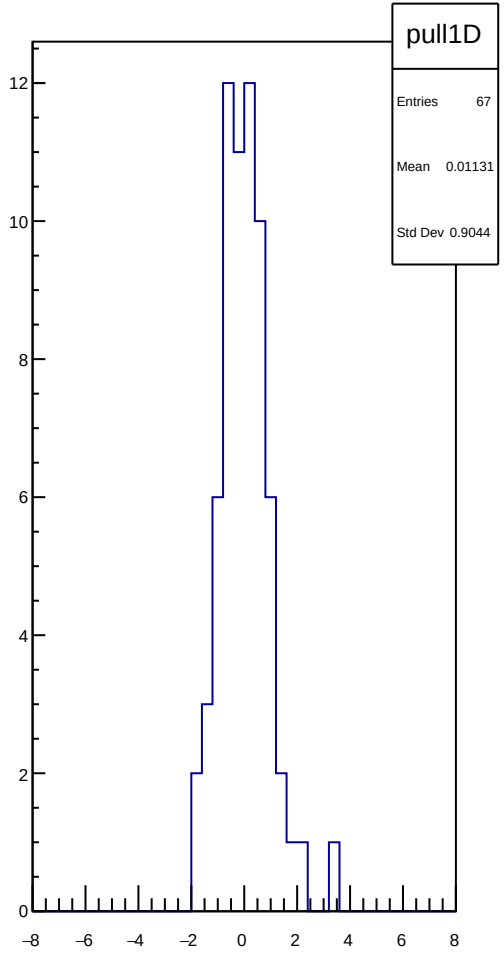

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.13 / 66
p0 2.97 ± 2.476
pull
Entries 67
Mean −2268
Std Dev 2303

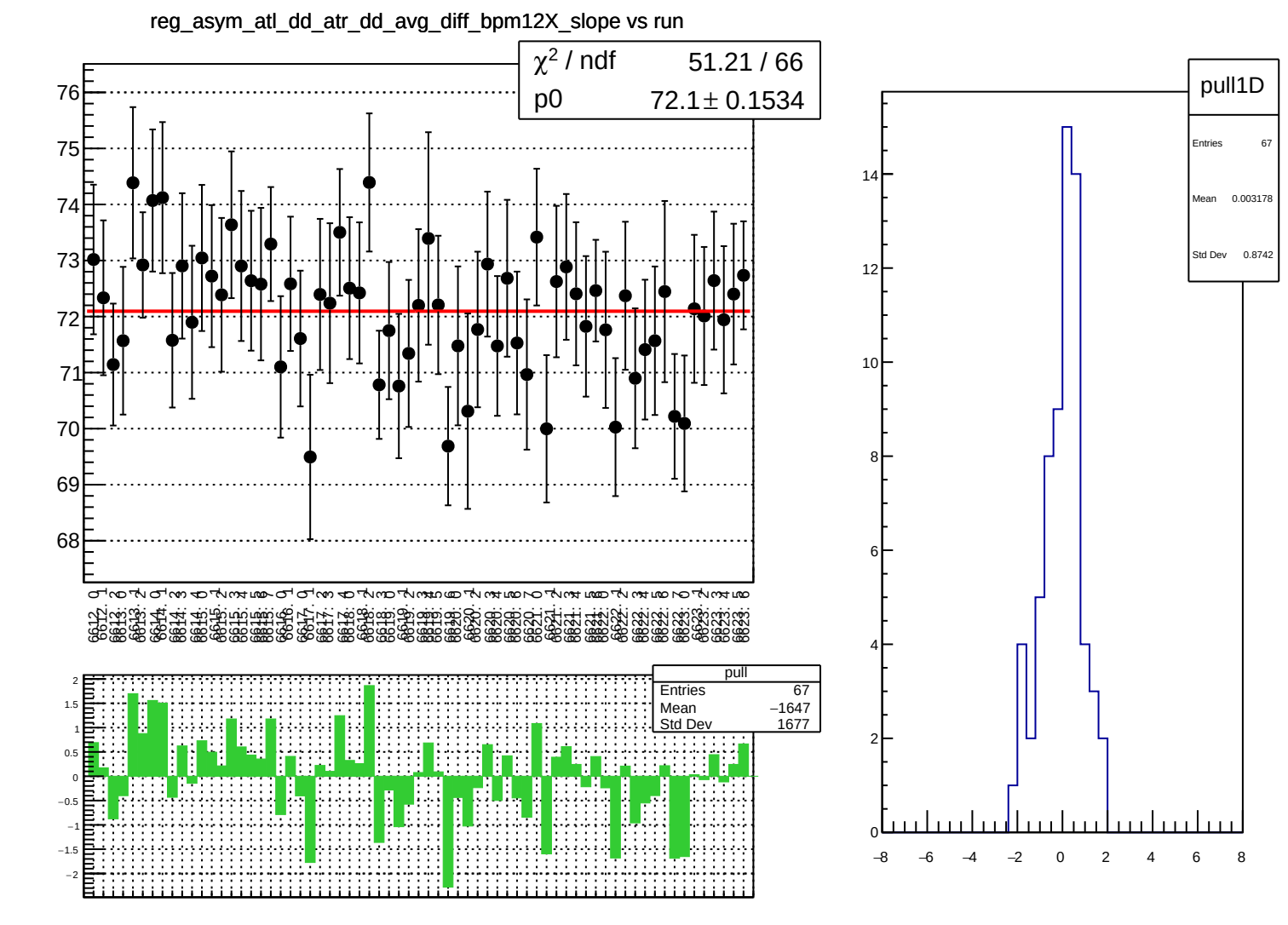

pull1D
Entries 67
Mean −0.002105
Std Dev 0.8988

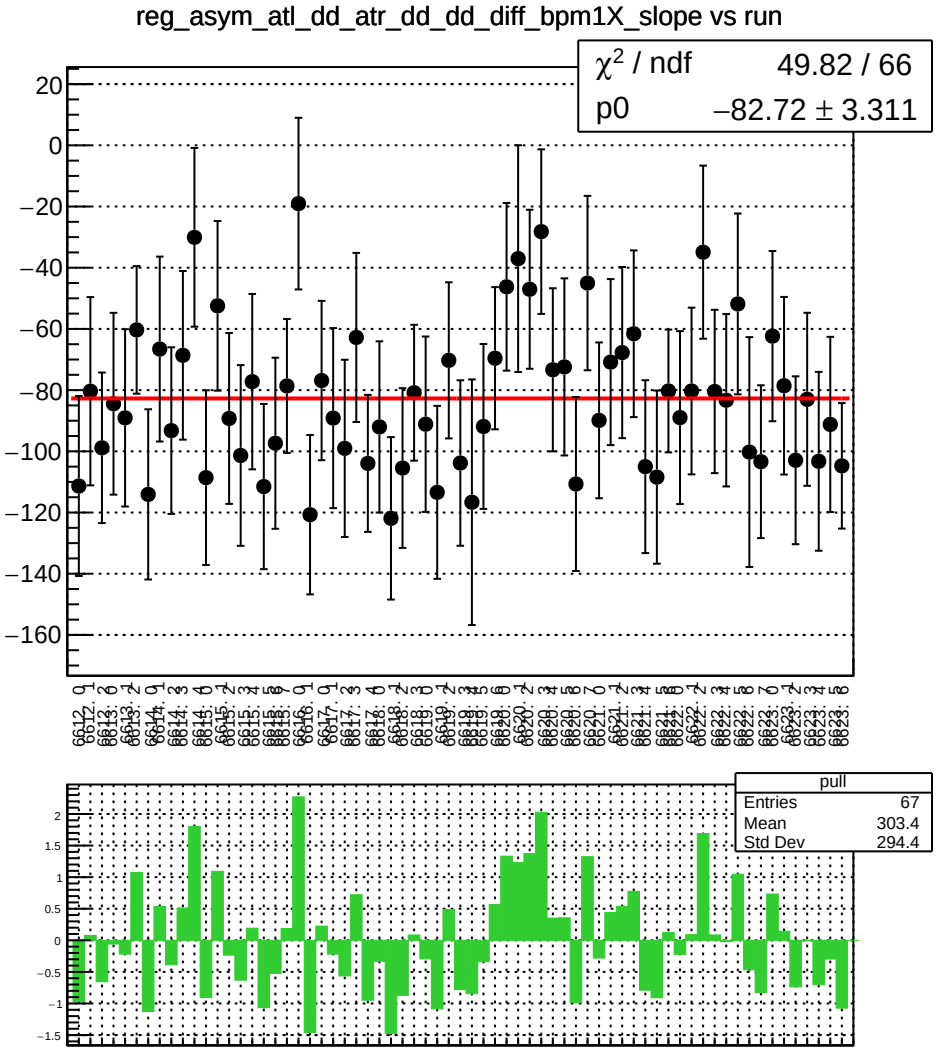

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 44.25 / 66
p0 −150.8 ± 3.827
pull
Entries 67
Mean −187.1
Std Dev 216.7

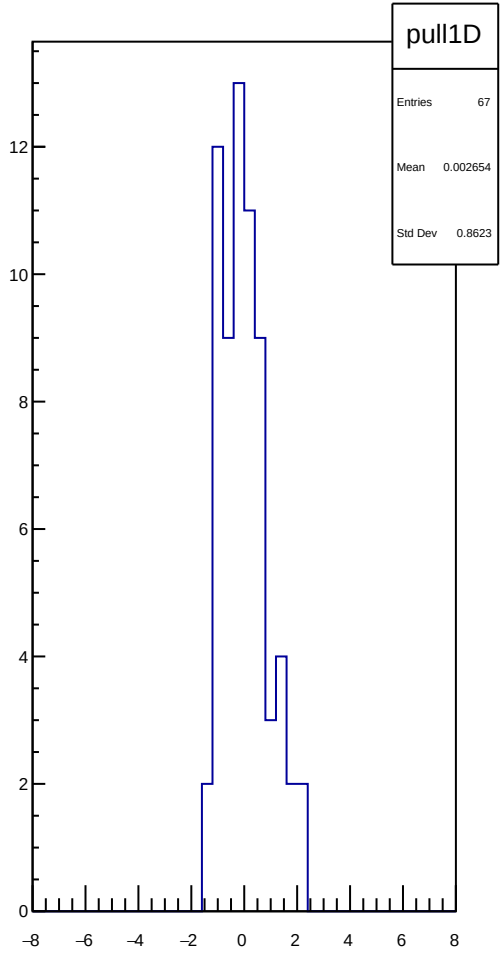

pull1D
Entries 67
Mean 0.006324
Std Dev 0.8127

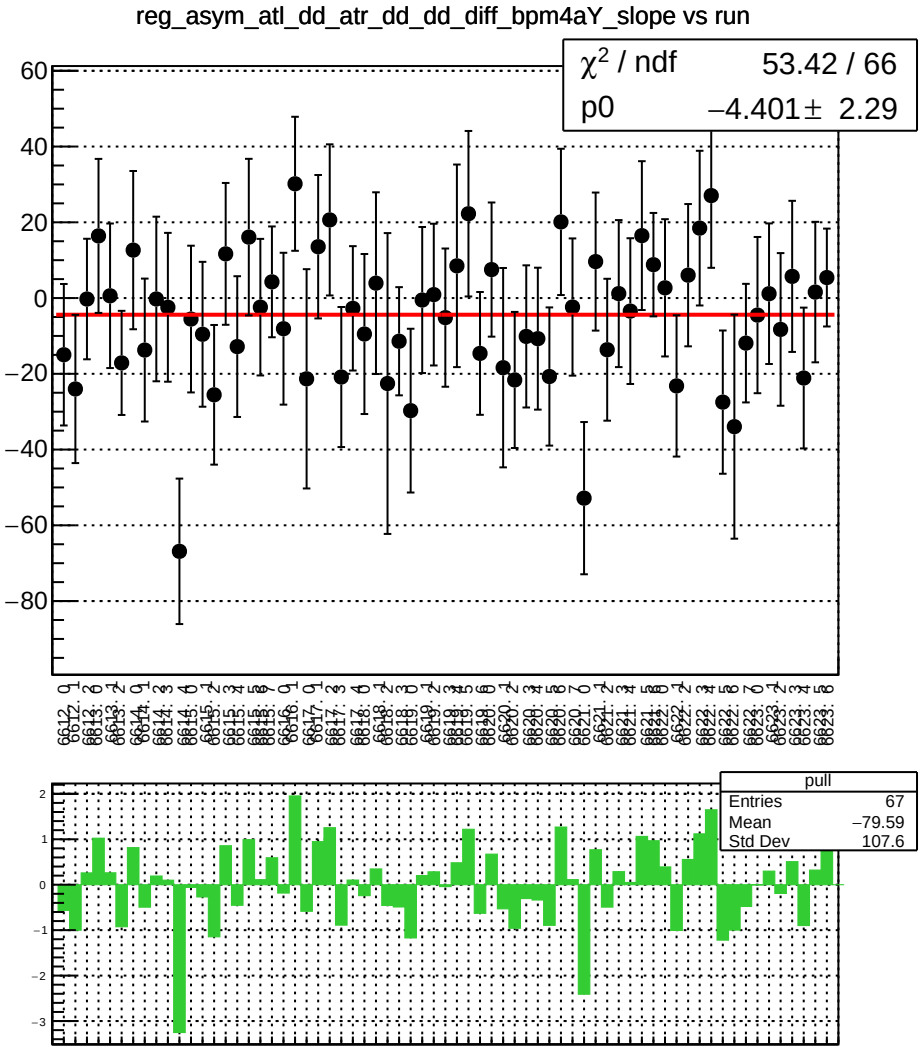

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 54.81 / 66
p0 −45.18 ± 2.967
pull
Entries 67
Mean −392.8
Std Dev 428.2

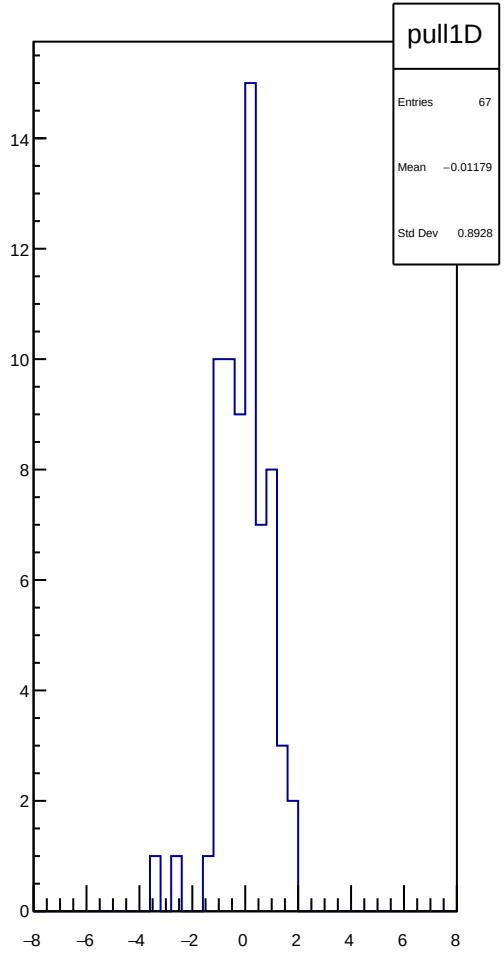

pull1D
Entries 67
Mean 0.01131
Std Dev 0.9044

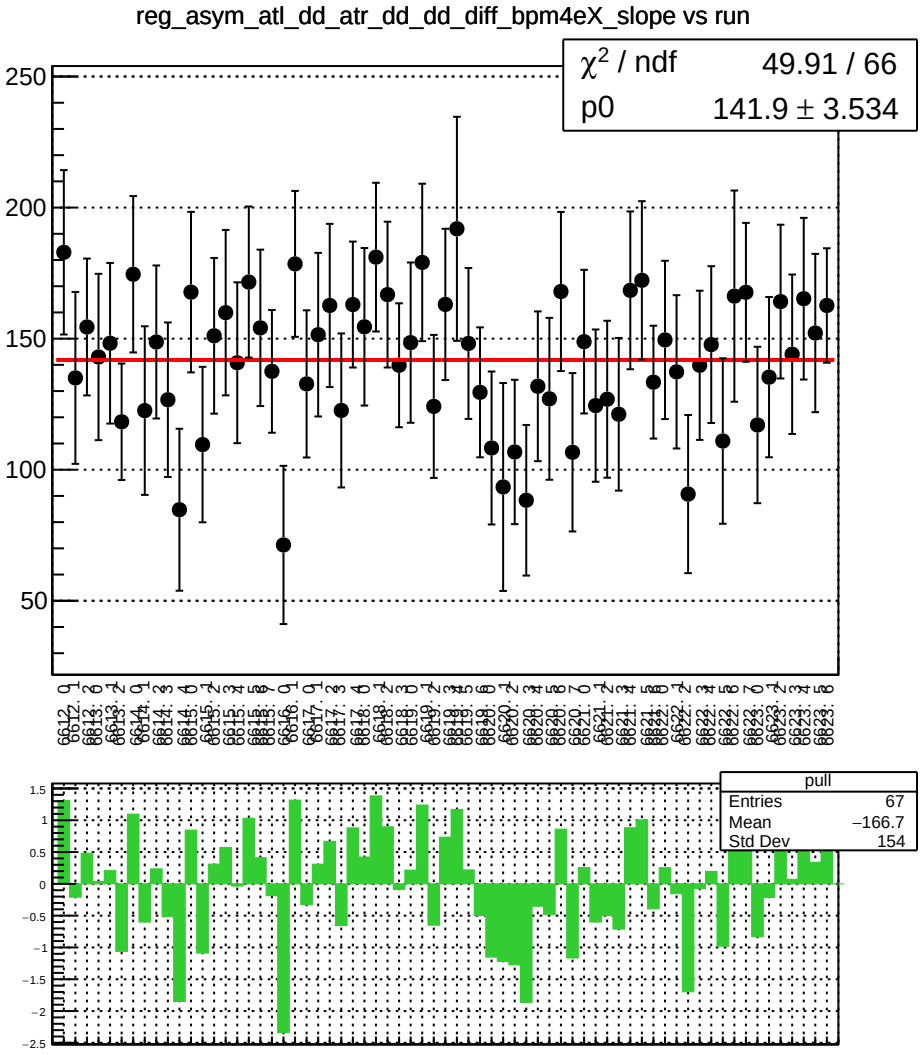

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 51.21 / 66
p0 72.1 ± 0.1534
pull
Entries 67
Mean −1647
Std Dev 1677
pull1D
Entries 67
Mean 0.003178
Std Dev 0.8742

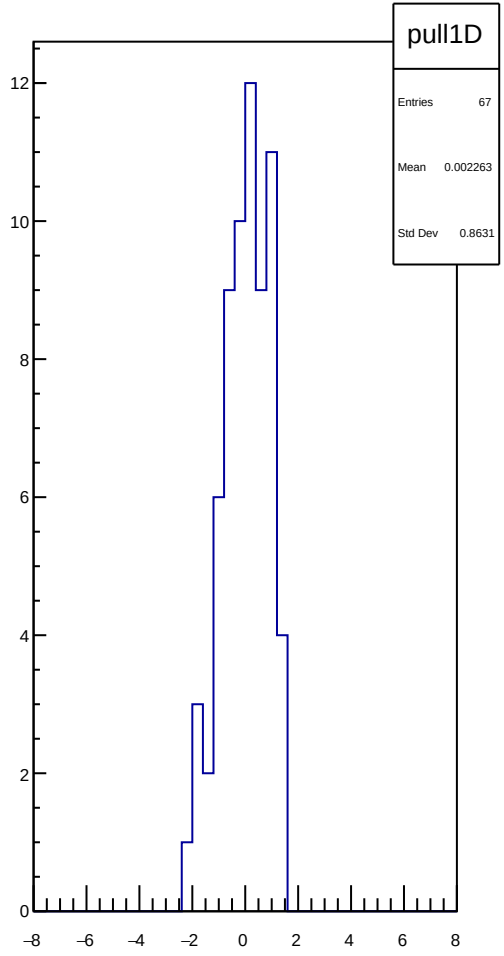

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 49.82 / 66
p0 −82.72 ± 3.311
pull
Entries 67
Mean 303.4
Std Dev 294.4

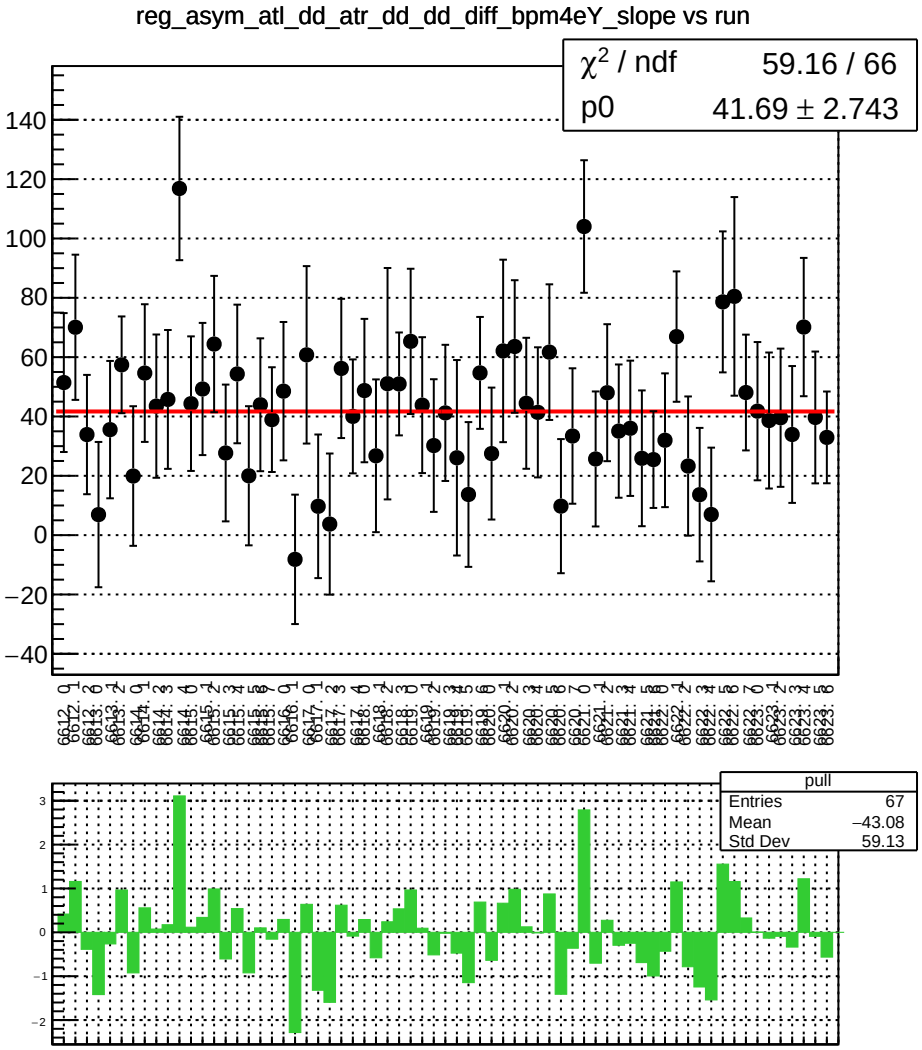

pull1D
Entries 67
Mean 0.002654
Std Dev 0.8623

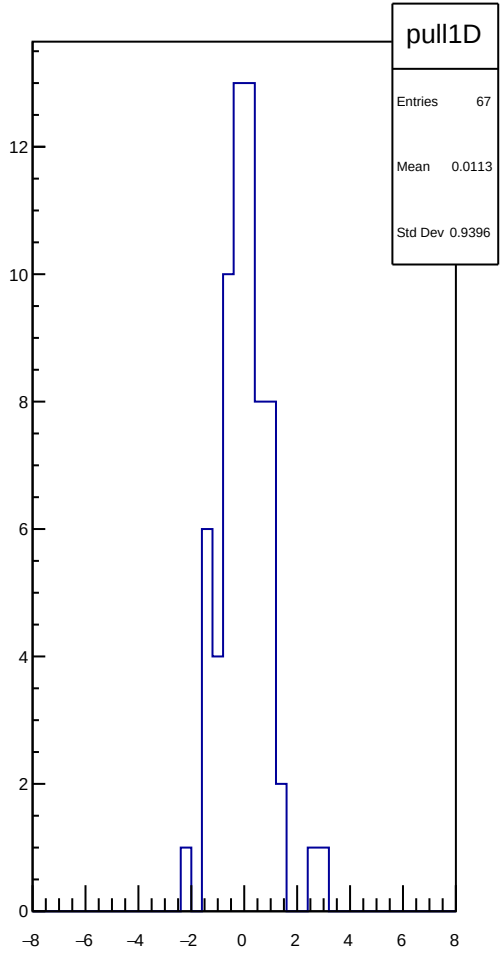

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.42 / 66
p0 −4.401 ± 2.29
pull
Entries 67
Mean −79.59
Std Dev 107.6

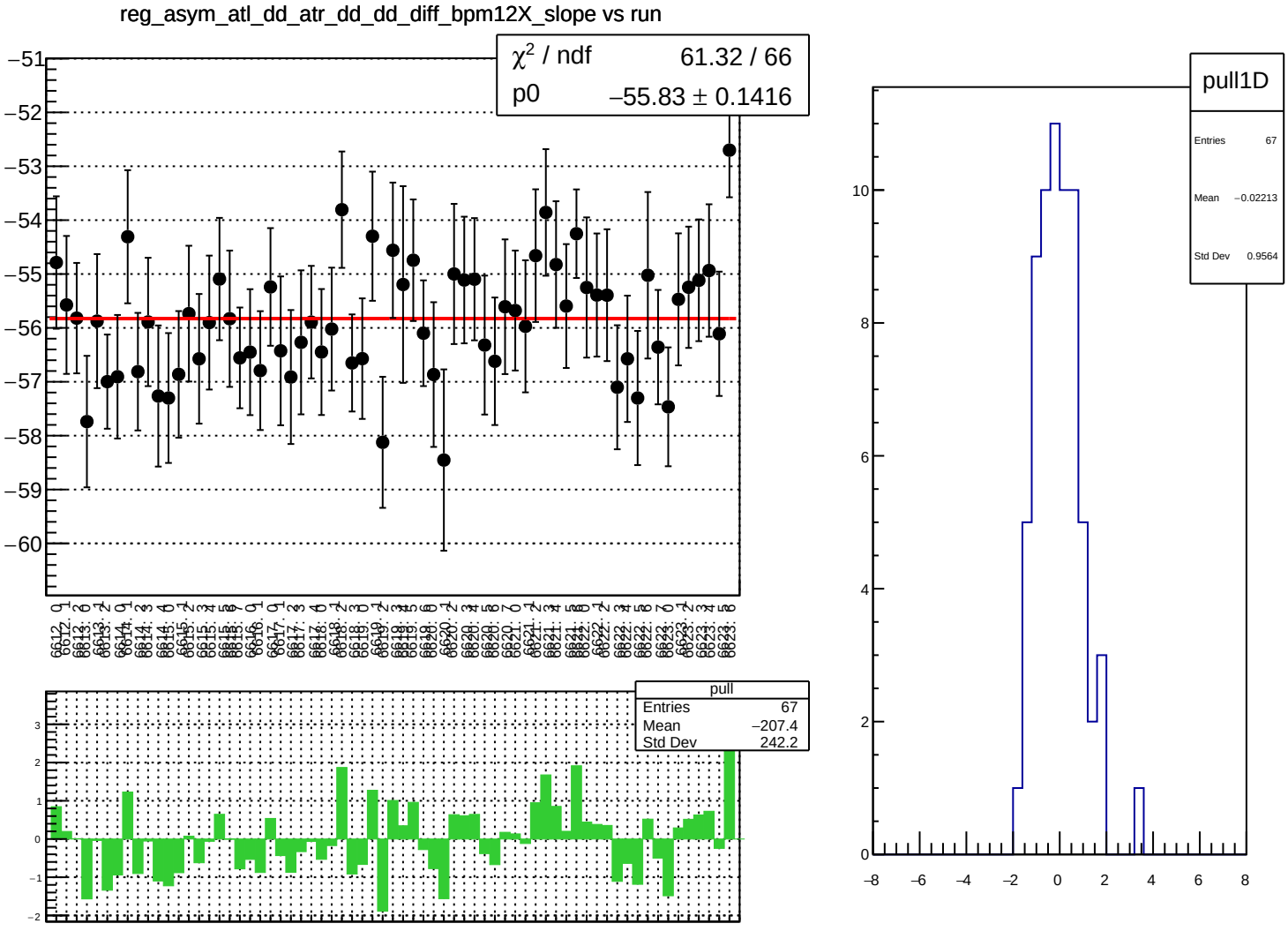

pull1D
Entries 67
Mean −0.01179
Std Dev 0.8928

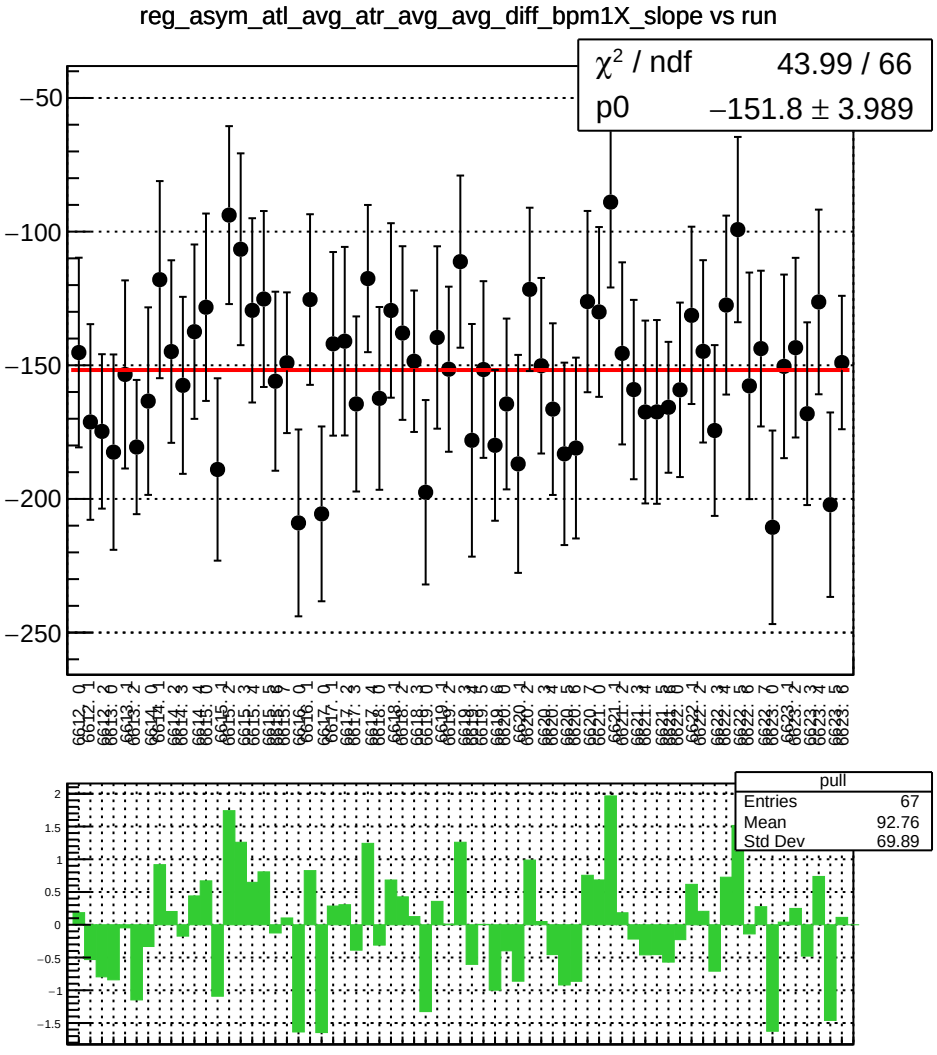

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.91 / 66
p0 141.9 ± 3.534
pull
Entries 67
Mean −166.7
Std Dev 154

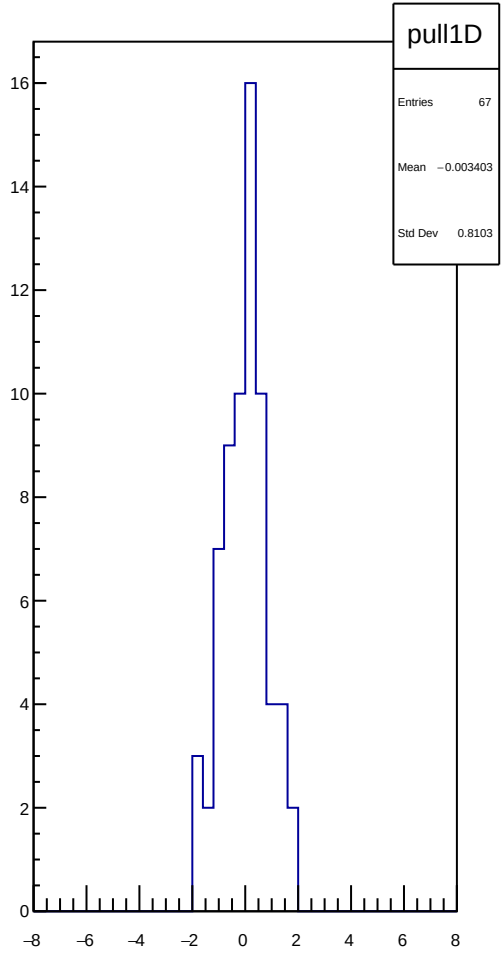

pull1D
Entries 67
Mean 0.002263
Std Dev 0.8631


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.16 / 66
p0 41.69 ± 2.743
pull
Entries 67
Mean −43.08
Std Dev 59.13

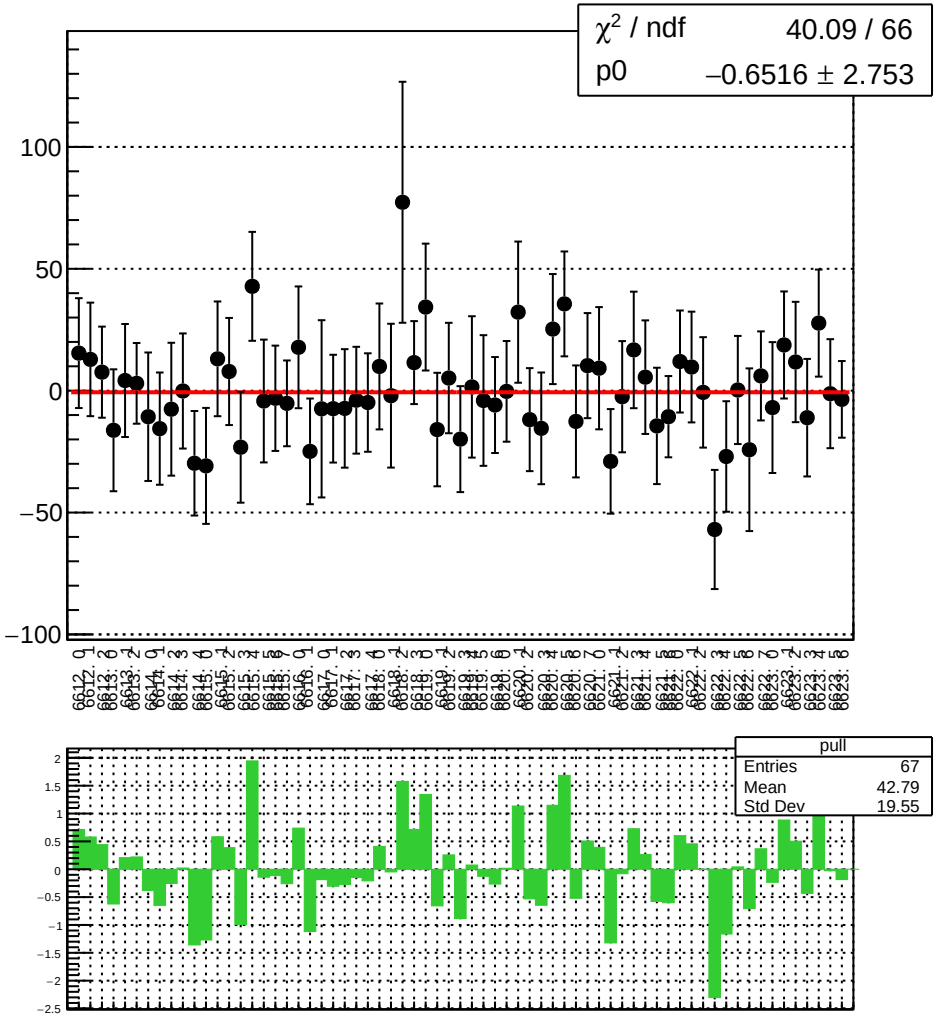

pull1D
Entries 67
Mean 0.0113
Std Dev 0.9396

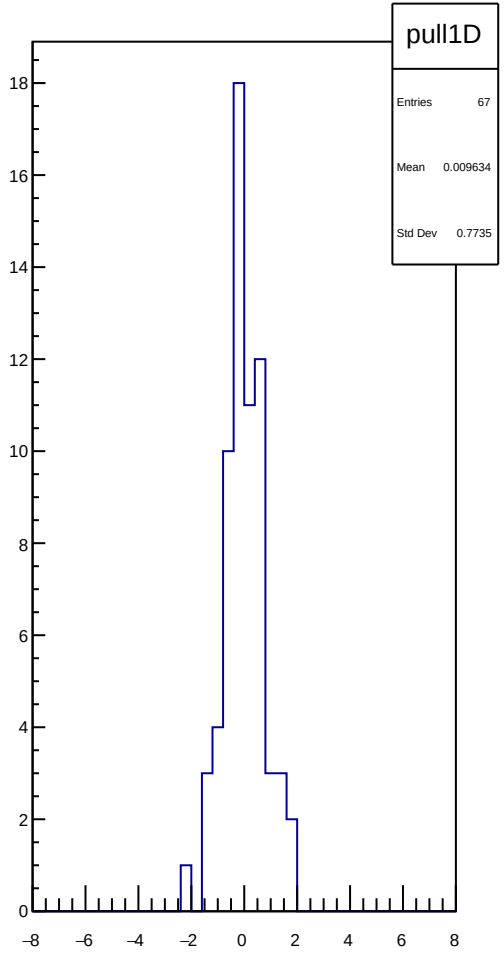

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 61.32 / 66
p0 −55.83 ± 0.1416
pull
Entries 67
Mean −207.4
Std Dev 242.2
pull1D
Entries 67
Mean −0.02213
Std Dev 0.9564

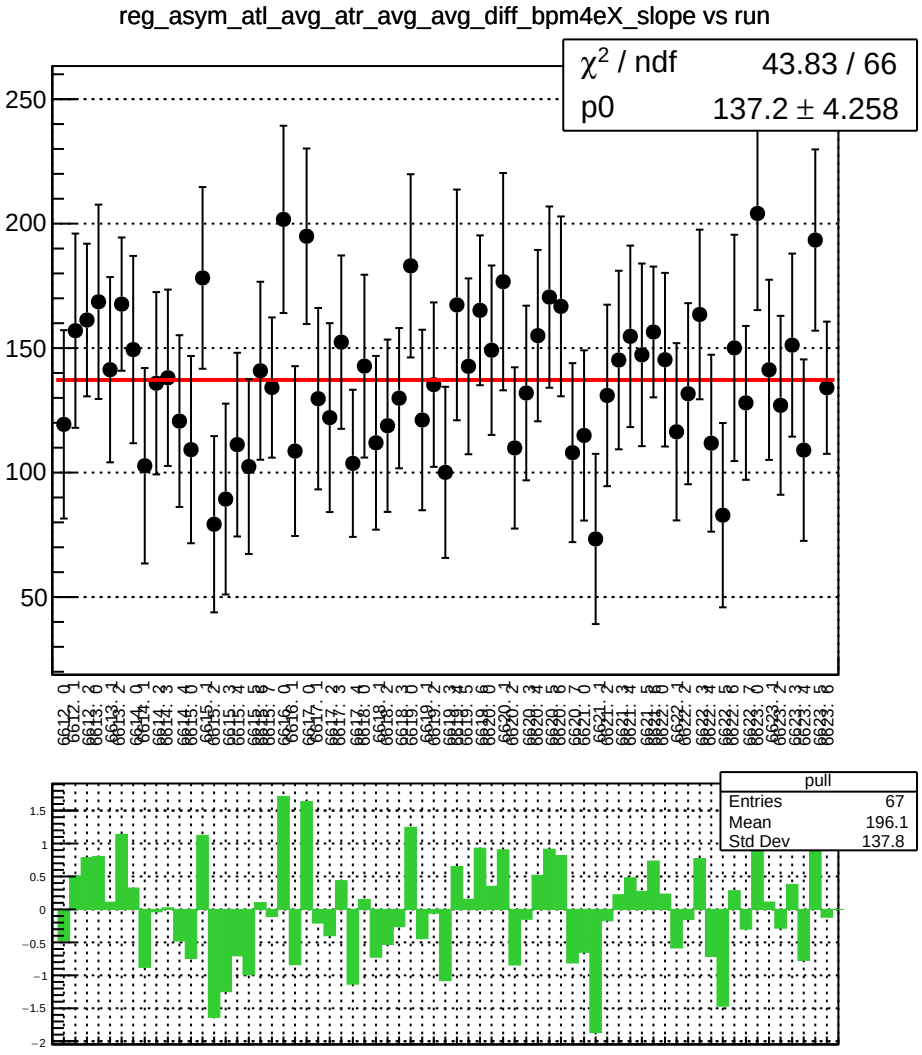

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 43.99 / 66
p0 −151.8 ± 3.989
pull
Entries 67
Mean 92.76
Std Dev 69.89

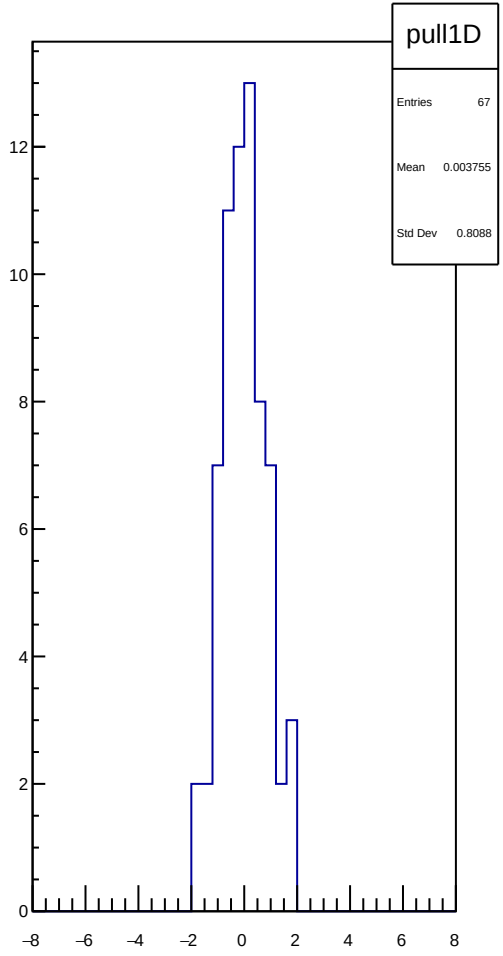

pull1D
Entries 67
Mean −0.003403
Std Dev 0.8103

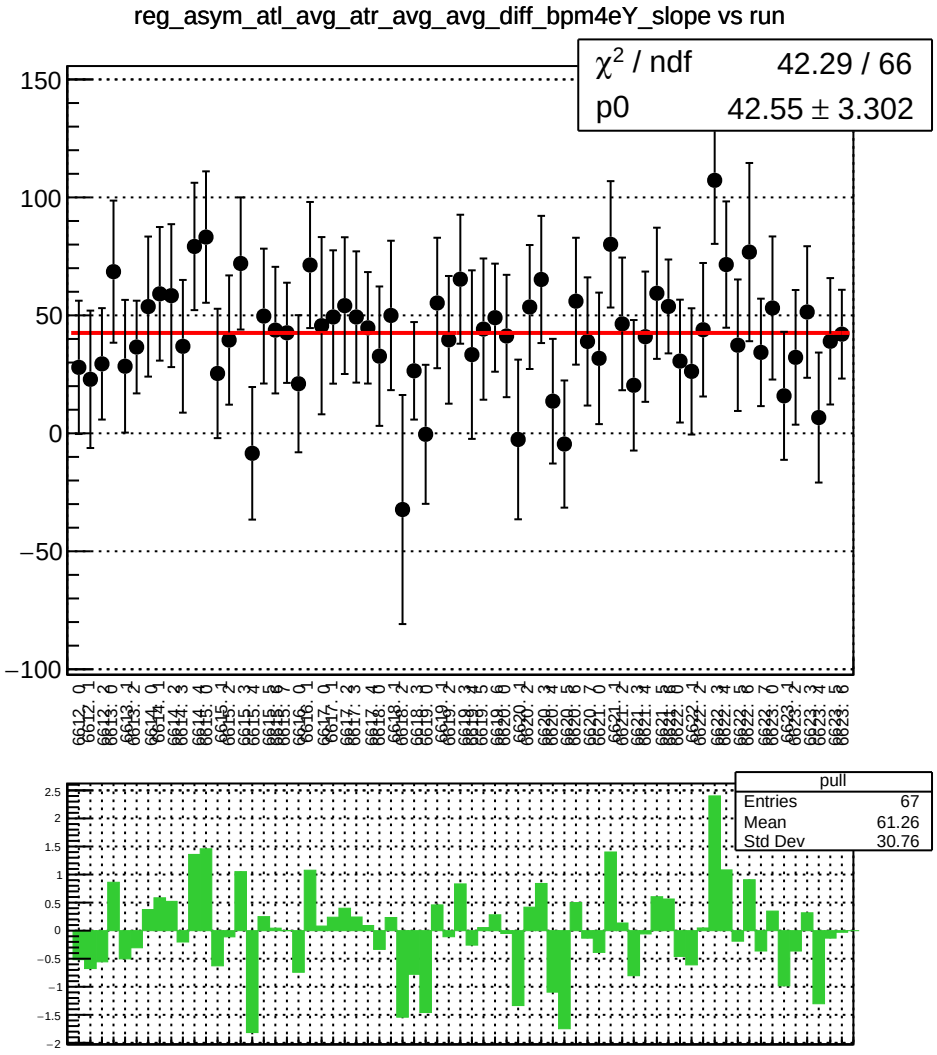
reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run

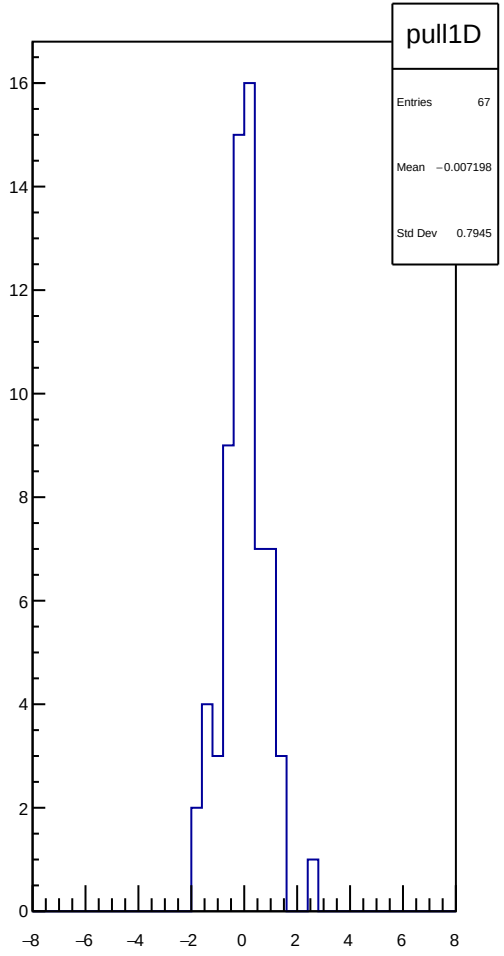




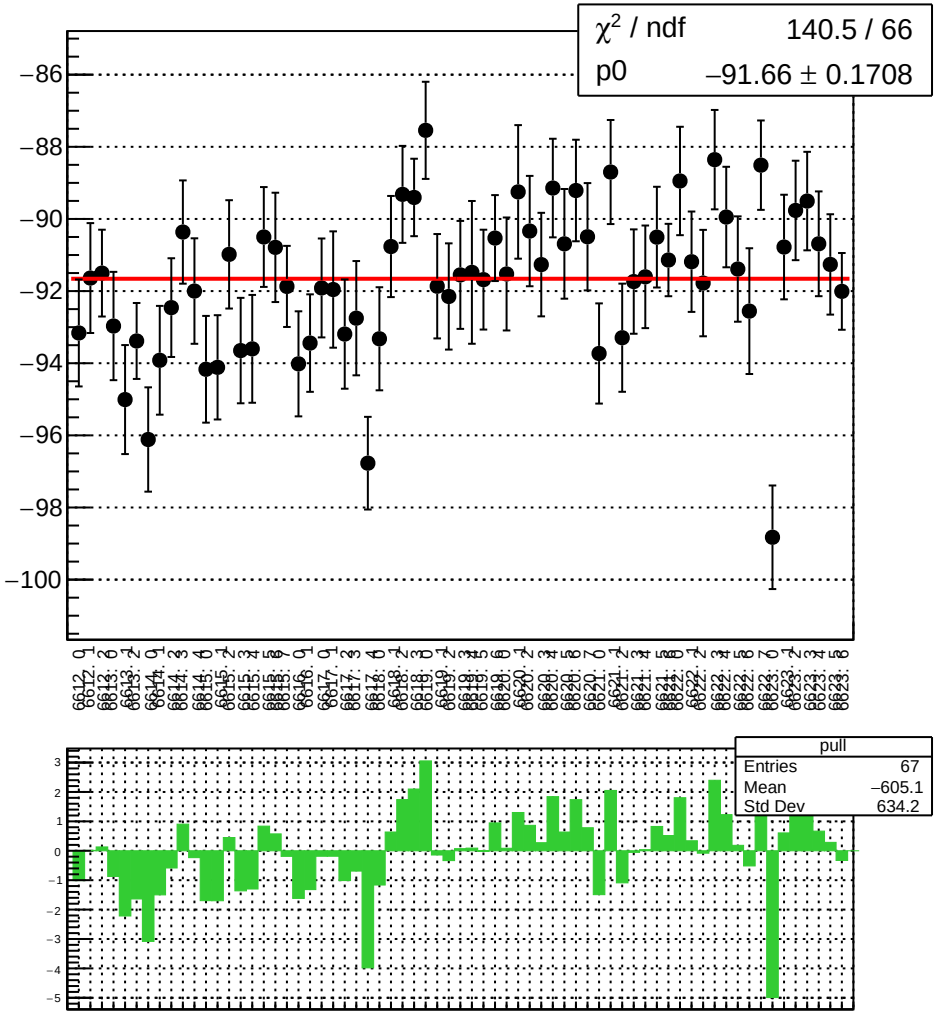

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.83 / 66
p0 137.2 ± 4.258
pull
Entries 67
Mean 196.1
Std Dev 137.8

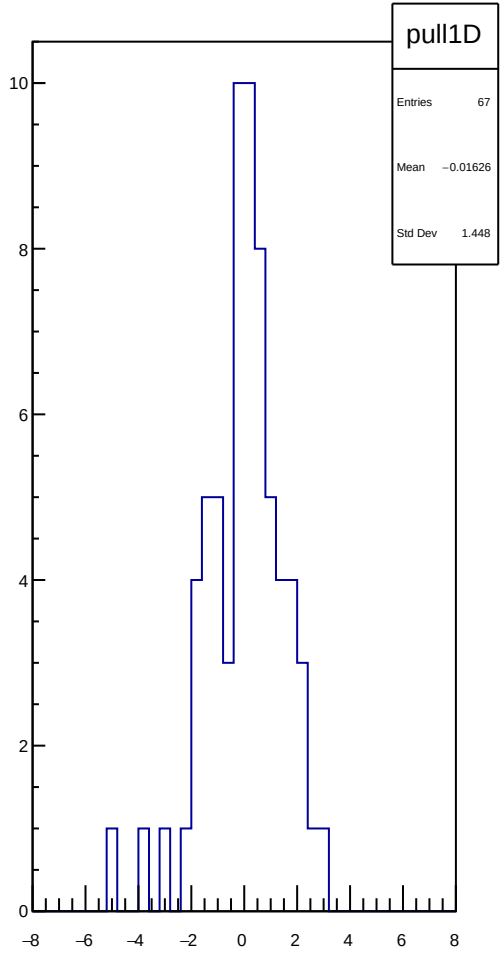

pull1D
Entries 67
Mean 0.003755
Std Dev 0.8088

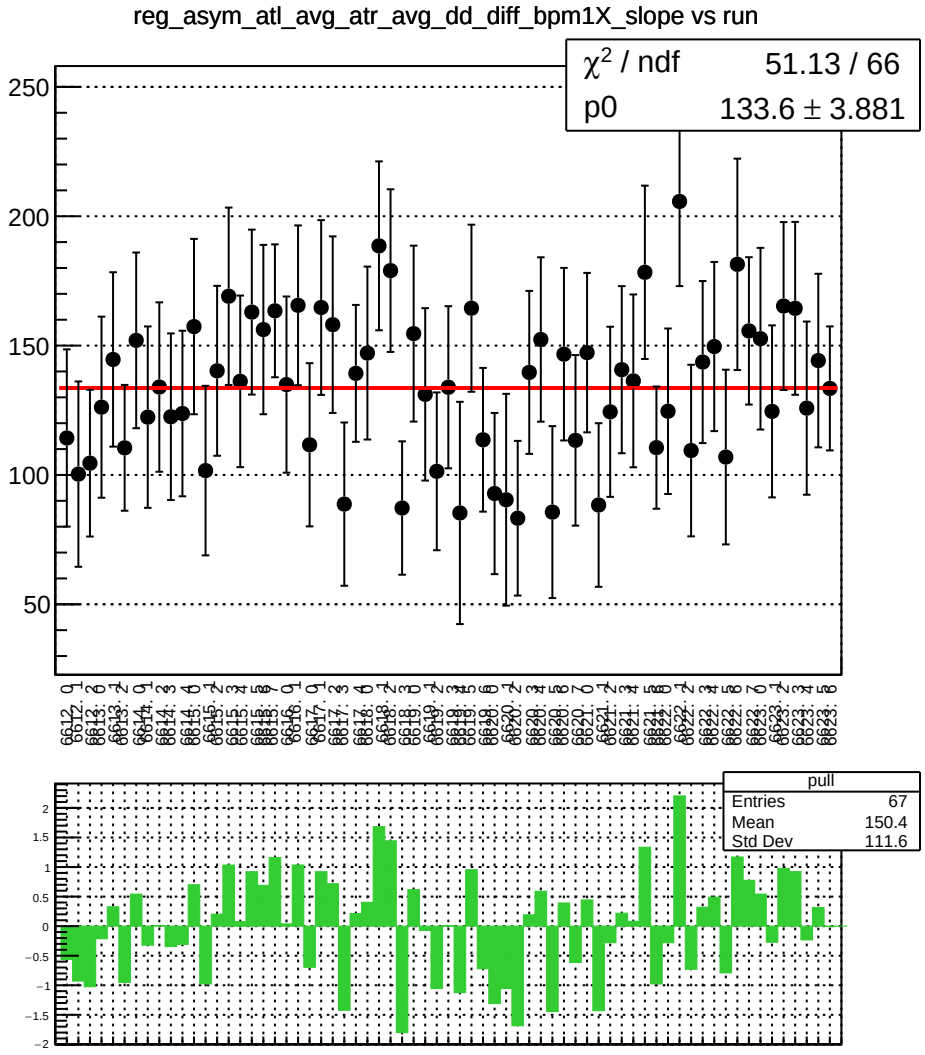

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.29 / 66
p0 42.55 ± 3.302
pull
Entries 67
Mean 61.26
Std Dev 30.76

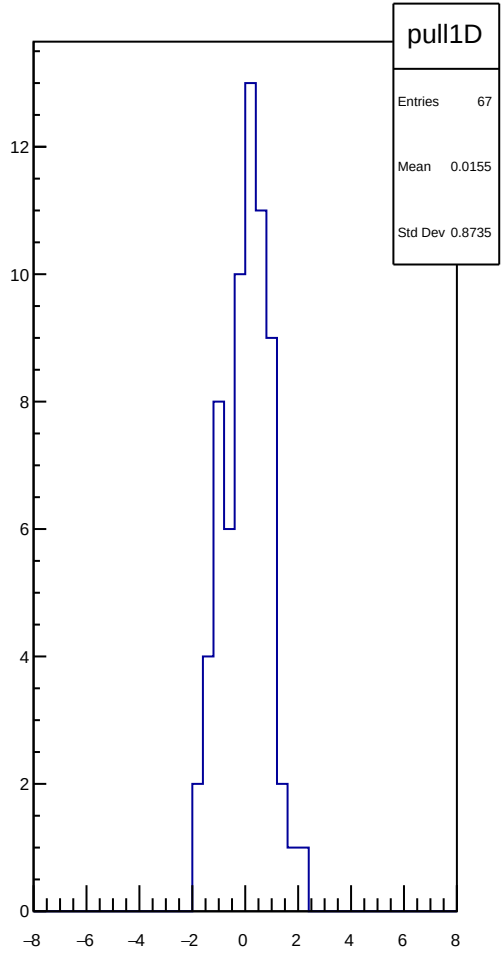

pull1D
Entries 67
Mean −0.007198
Std Dev 0.7945

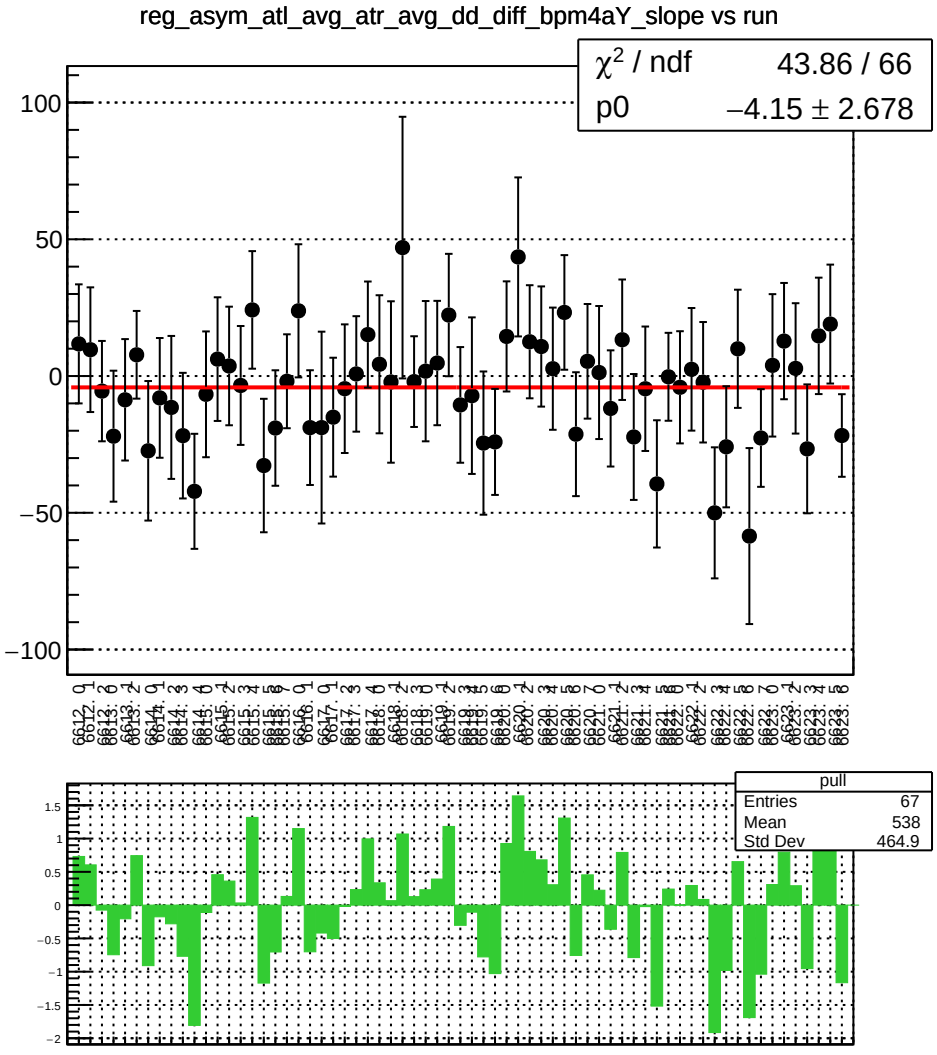
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

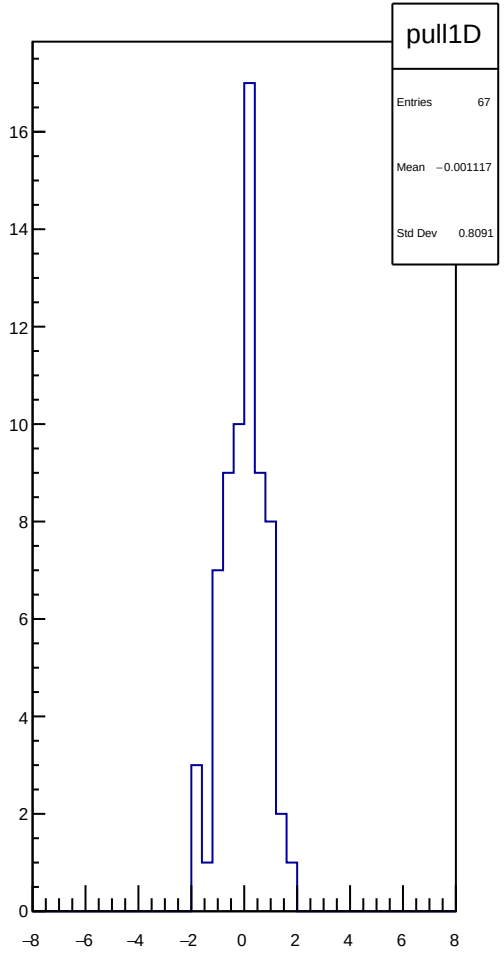


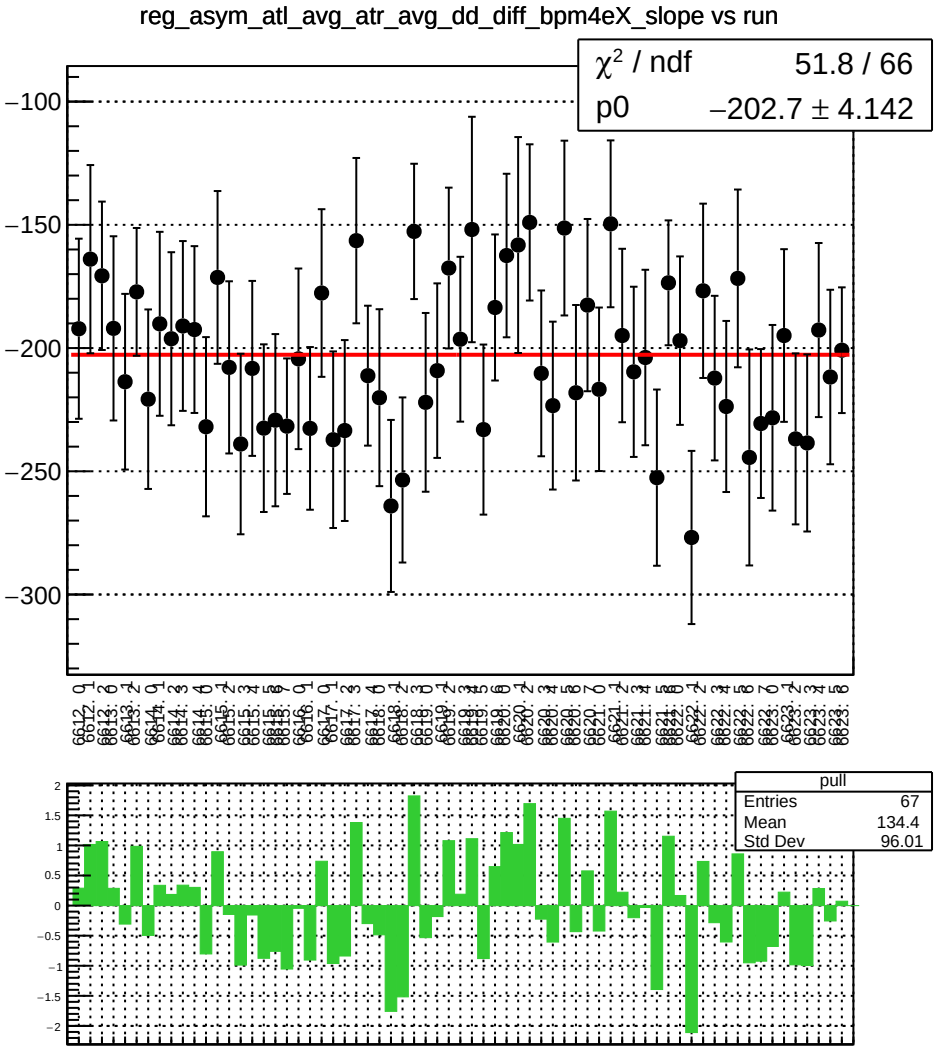


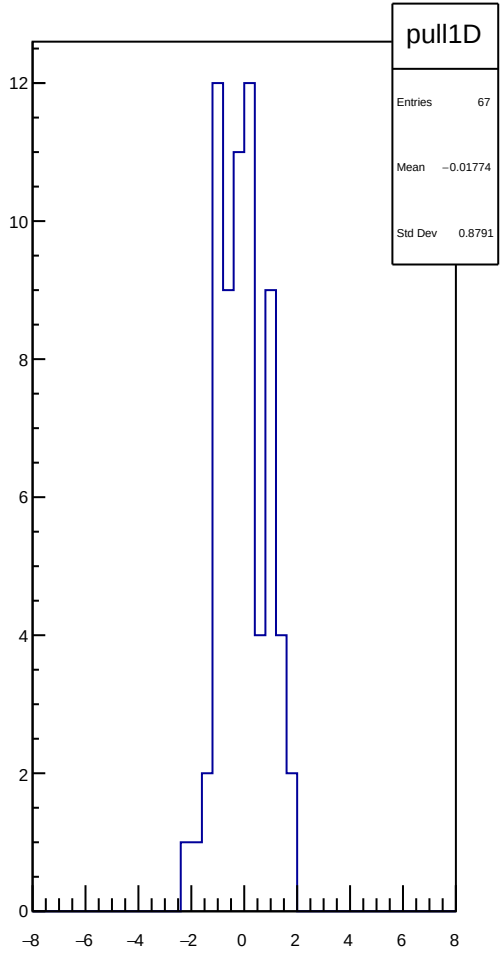

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 51.13 / 66
p0 133.6 ± 3.881
pull
Entries 67
Mean 150.4
Std Dev 111.6

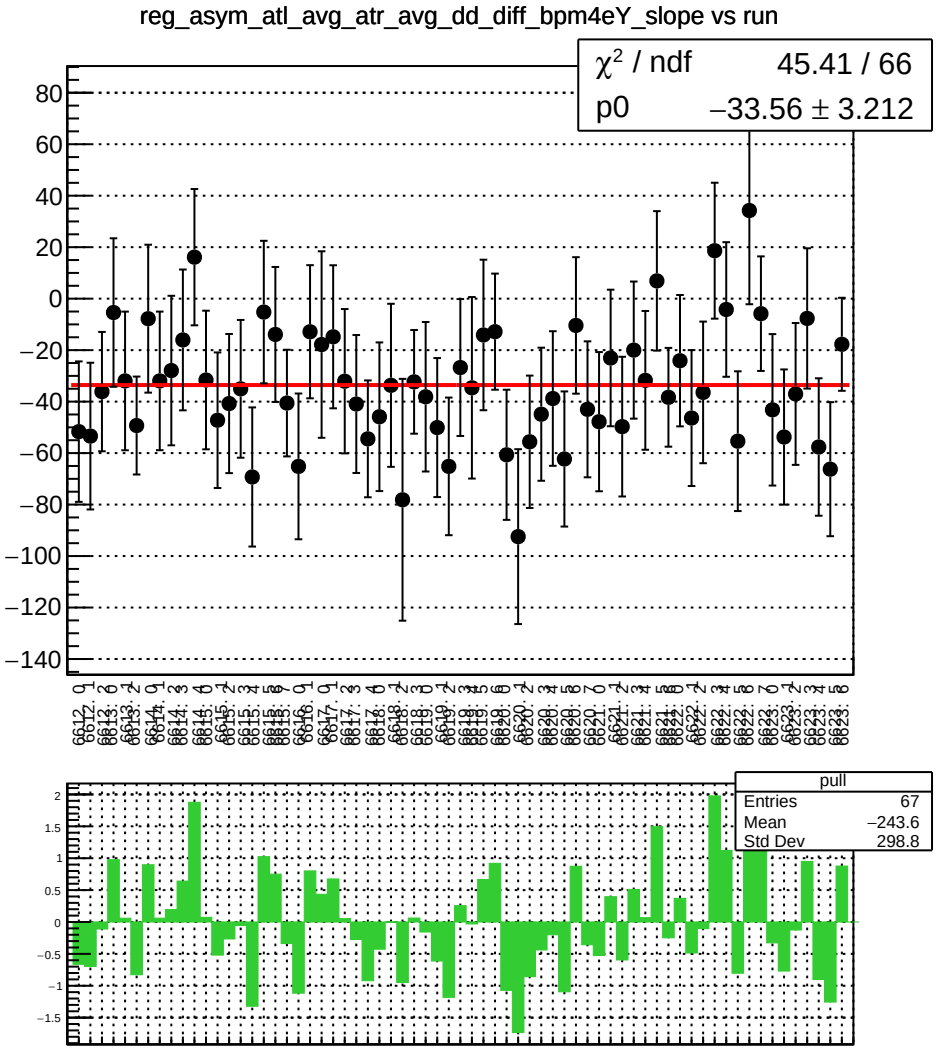

pull1D
Entries 67
Mean 0.0155
Std Dev 0.8735

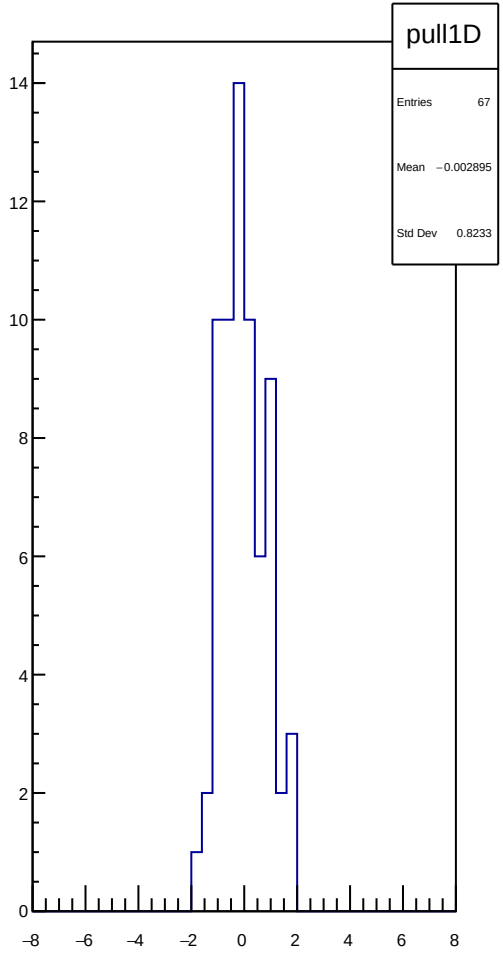

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.86 / 66
p0 −4.15 ± 2.678
pull
Entries 67
Mean 538
Std Dev 464.9

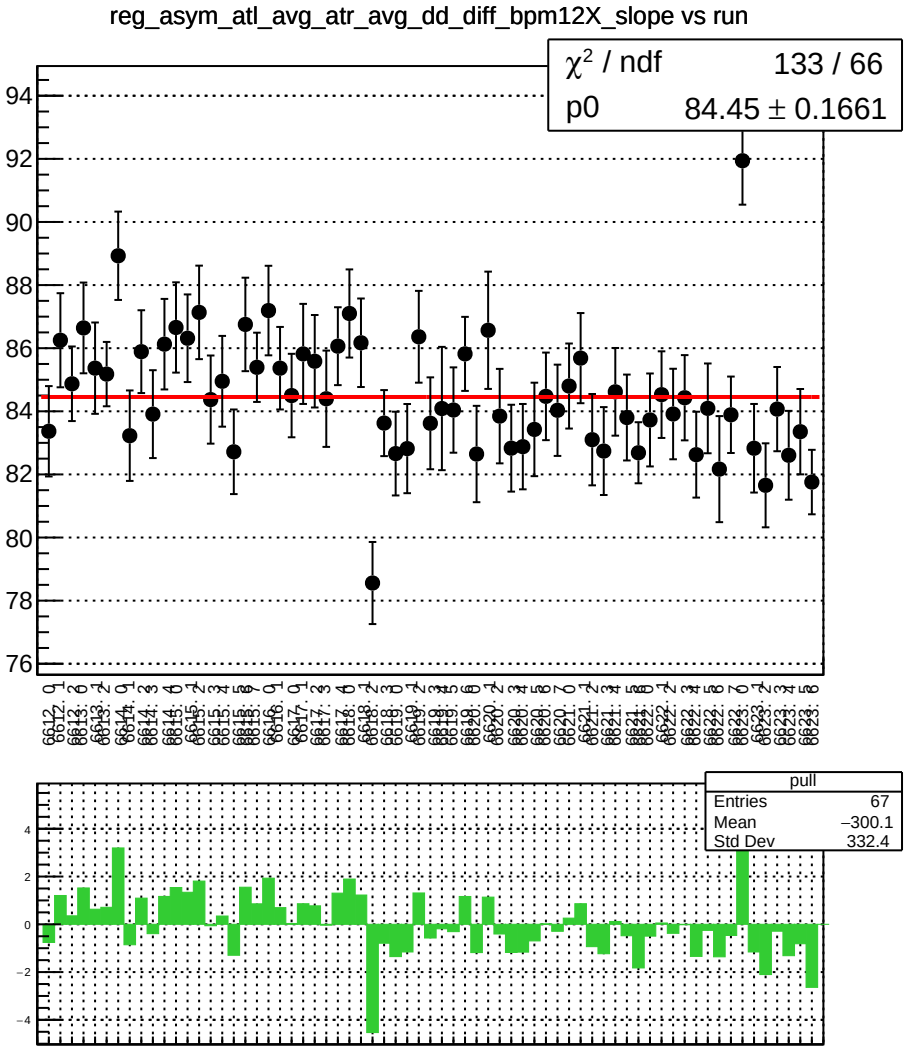

pull1D
Entries 67
Mean −0.001117
Std Dev 0.8091

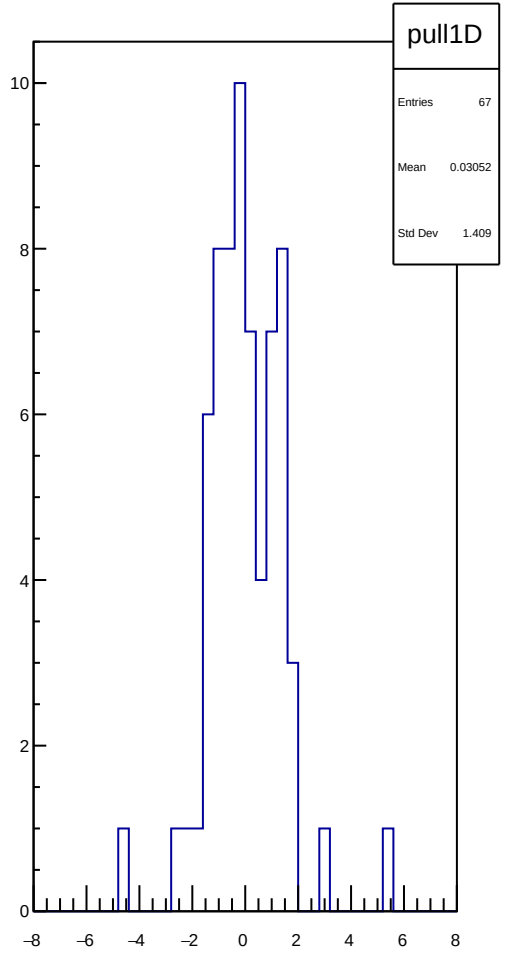

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.8 / 66
p0 −202.7 ± 4.142
pull
Entries 67
Mean 134.4
Std Dev 96.01

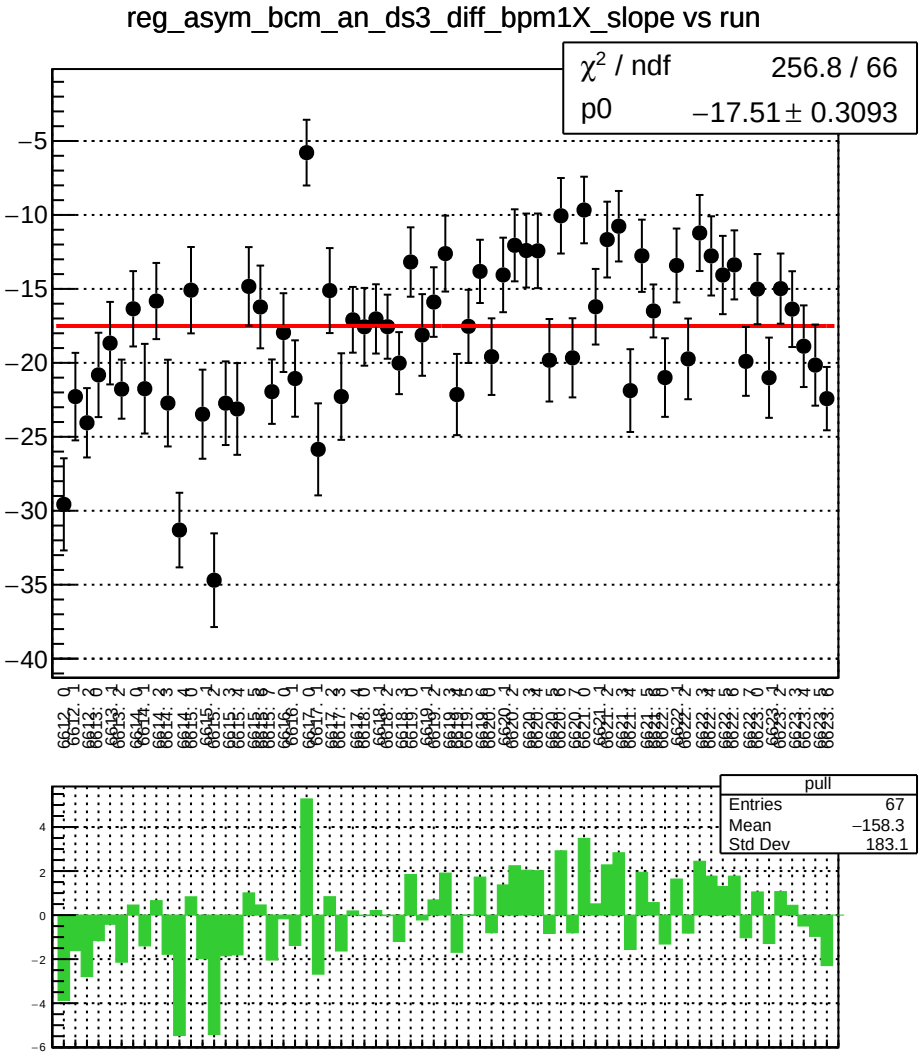

pull1D
Entries 67
Mean −0.01774
Std Dev 0.8791

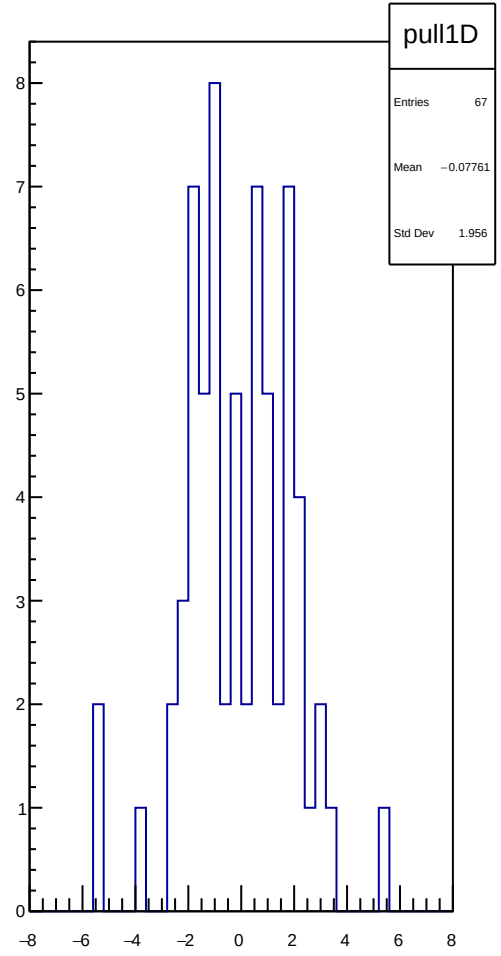

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.41 / 66
p0 −33.56 ± 3.212
pull
Entries 67
Mean −243.6
Std Dev 298.8

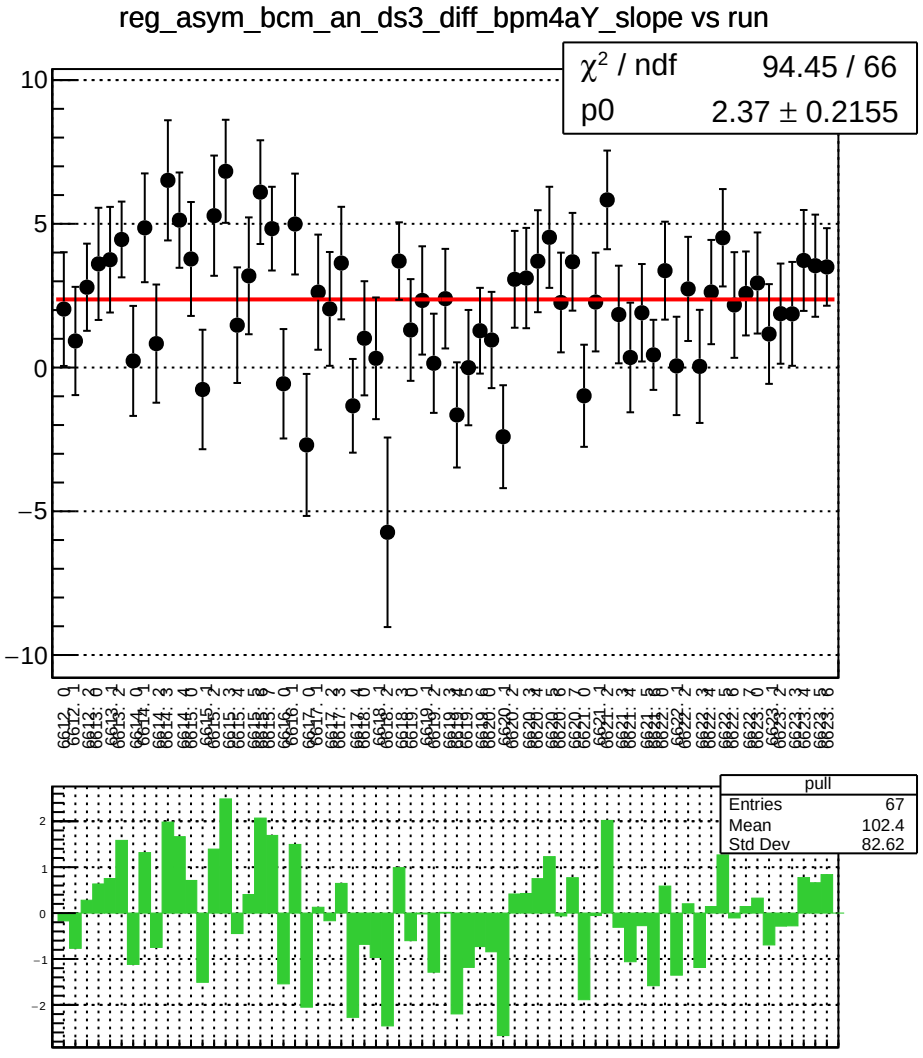

pull1D
Entries 67
Mean −0.002895
Std Dev 0.8233

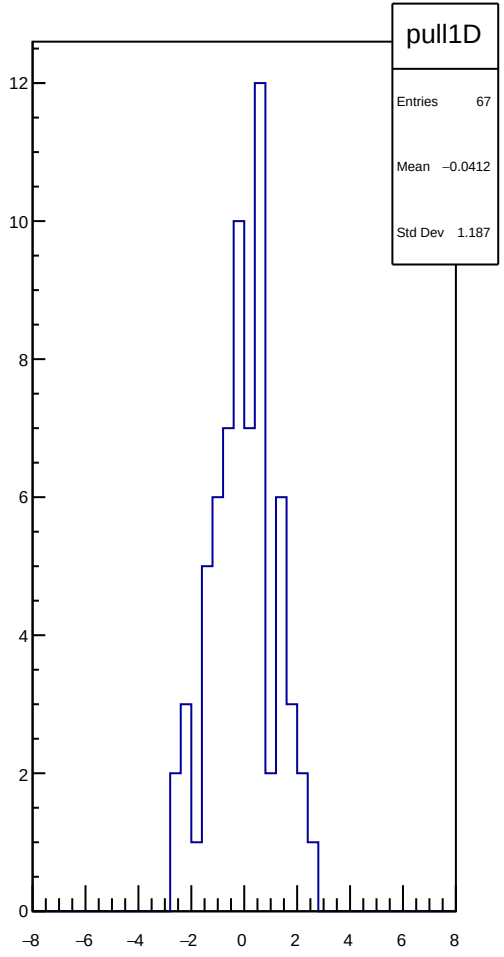

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 133 / 66
p0 84.45 ± 0.1661
pull
Entries 67
Mean −300.1
Std Dev 332.4

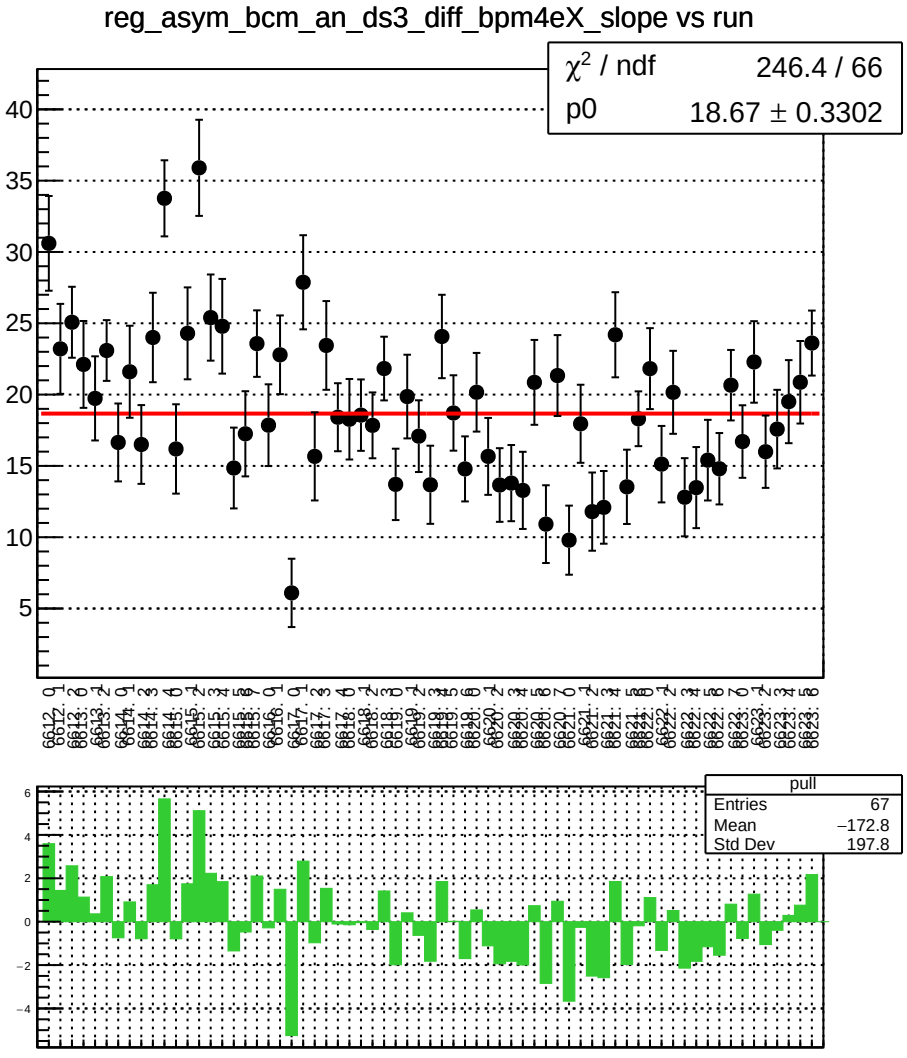

pull1D
Entries 67
Mean 0.03052
Std Dev 1.409

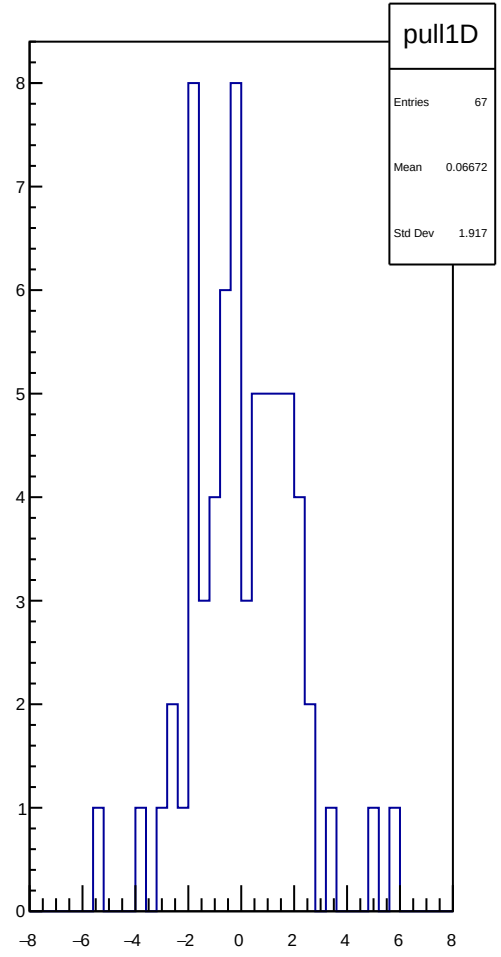

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 256.8 / 66
p0 −17.51 ± 0.3093
pull
Entries 67
Mean −158.3
Std Dev 183.1

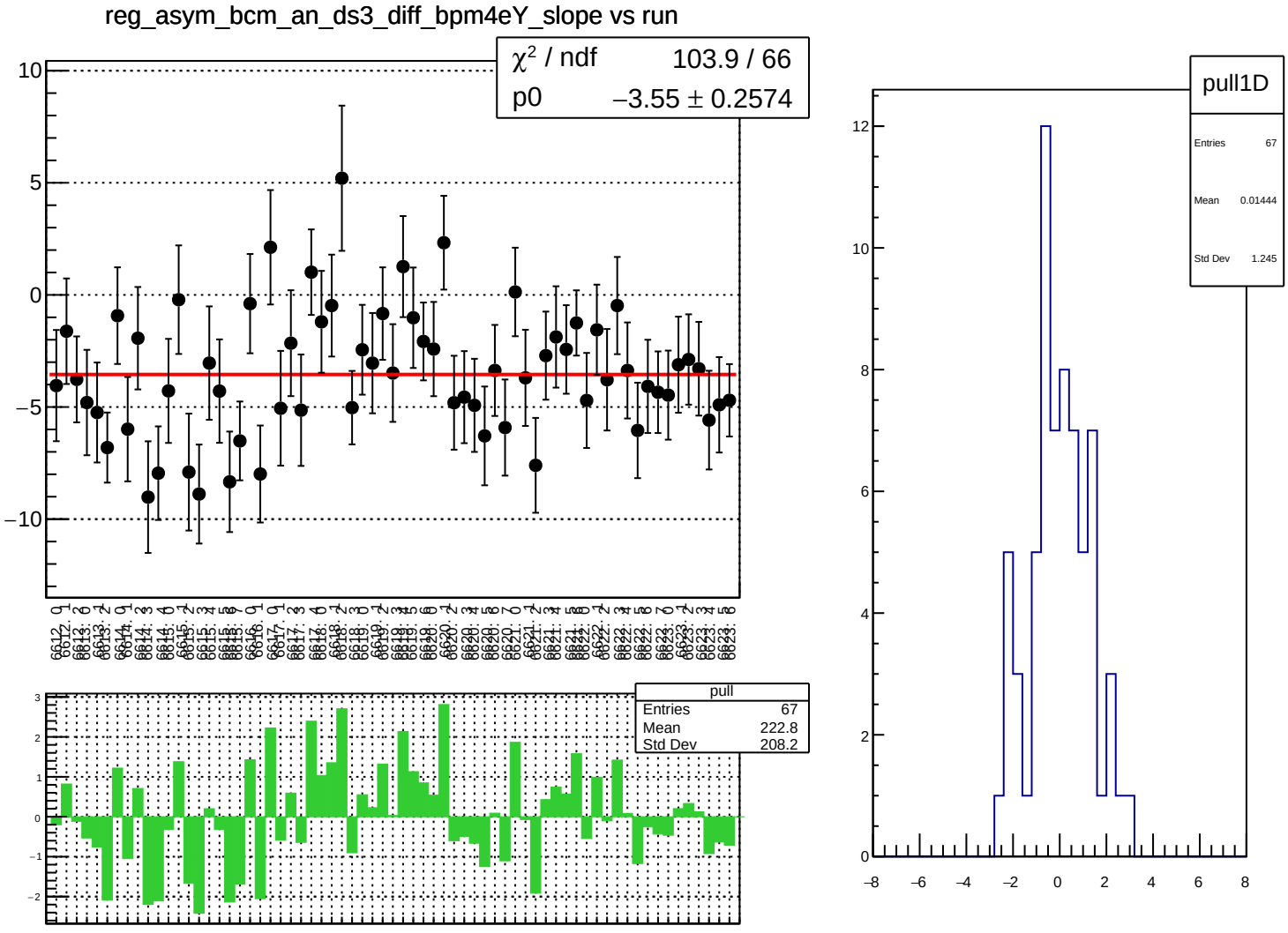

pull1D
Entries 67
Mean −0.07761
Std Dev 1.956

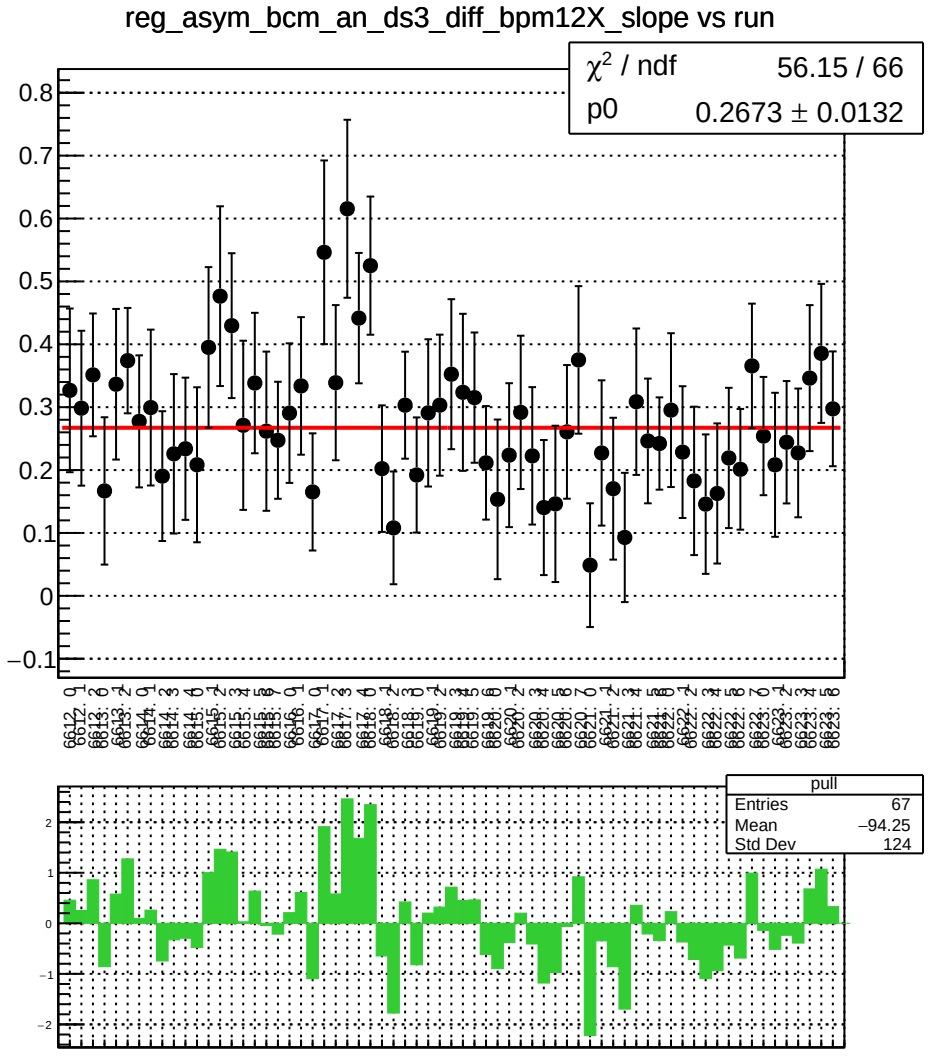

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 94.45 / 66
p0 2.37 ± 0.2155
pull
Entries 67
Mean 102.4
Std Dev 82.62

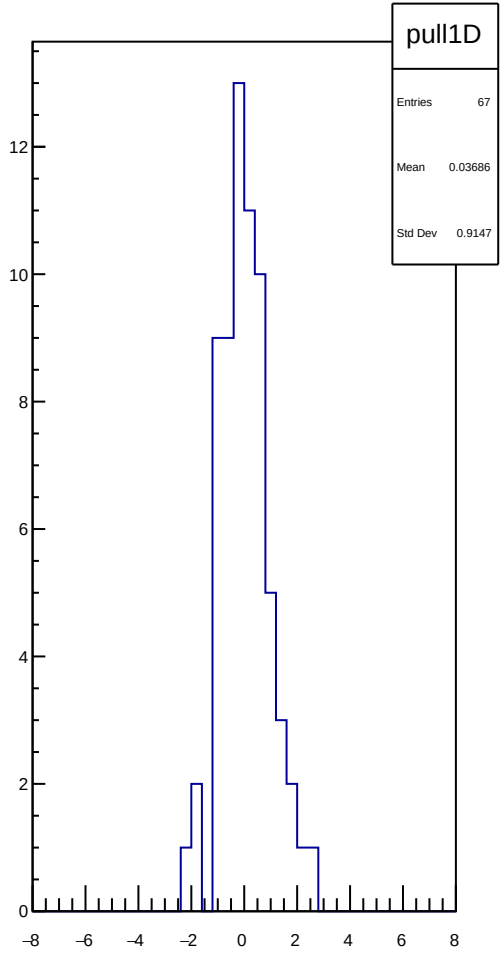

pull1D
Entries 67
Mean −0.0412
Std Dev 1.187

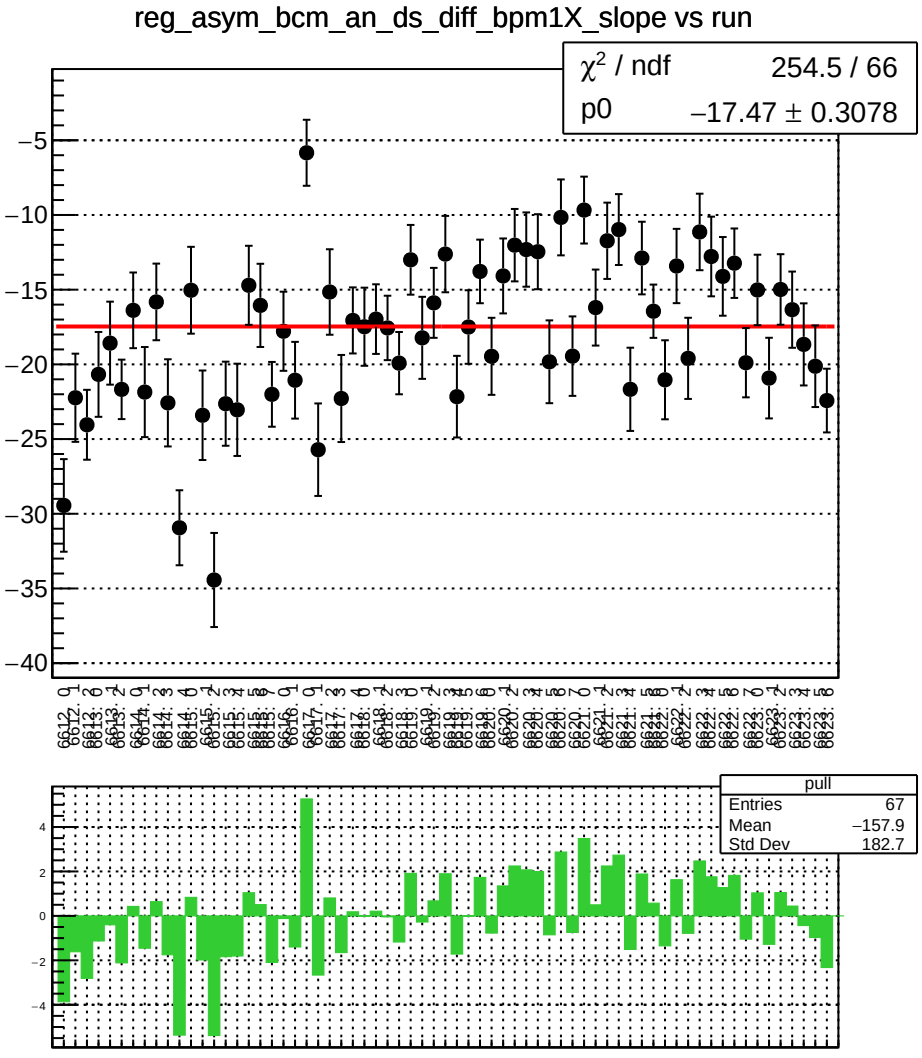

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 246.4 / 66
p0 18.67 ± 0.3302
pull
Entries 67
Mean −172.8
Std Dev 197.8

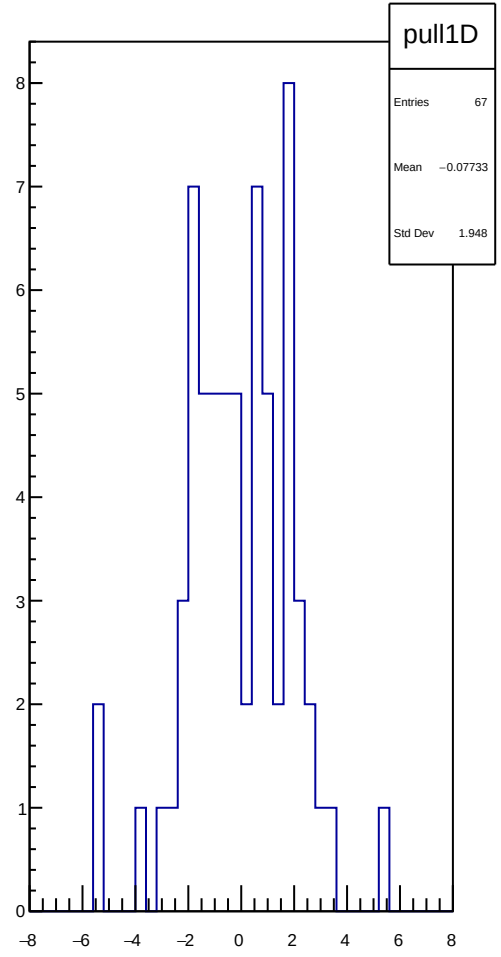

pull1D
Entries 67
Mean 0.06672
Std Dev 1.917

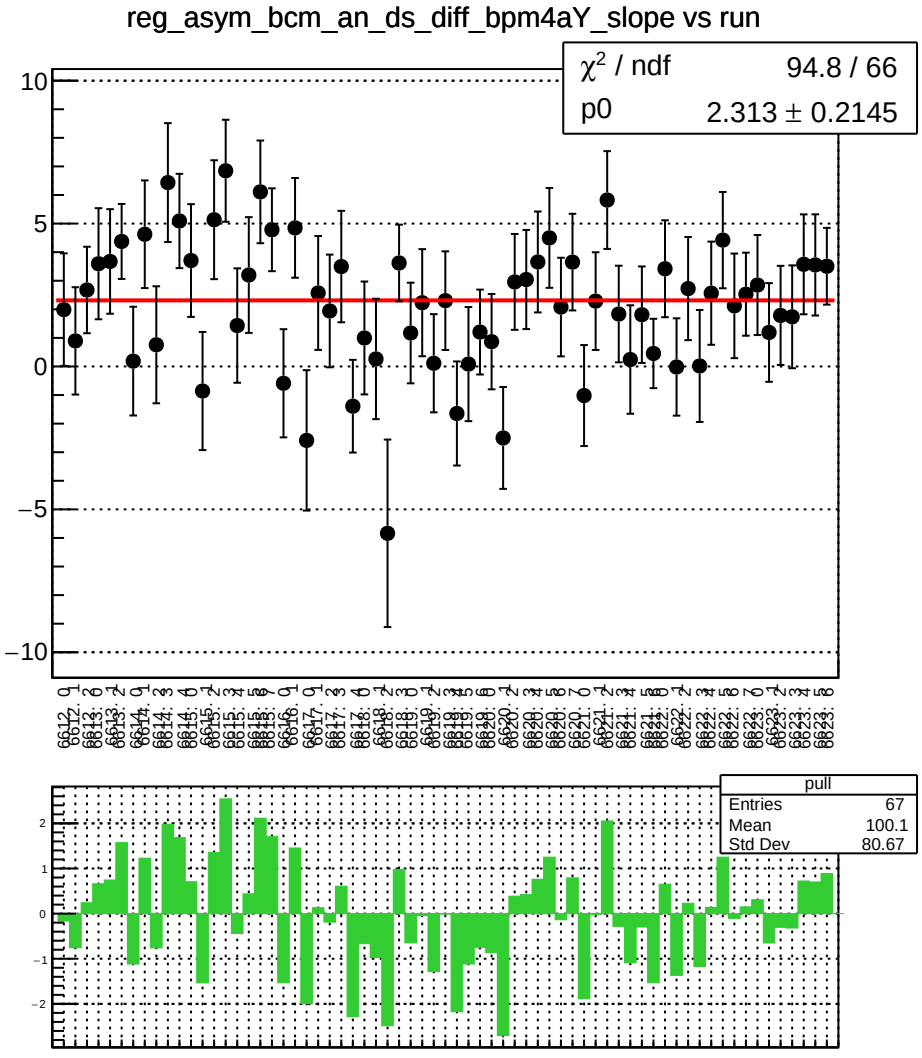

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 103.9 / 66
p0 −3.55 ± 0.2574
pull
Entries 67
Mean 222.8
Std Dev 208.2
pull1D
Entries 67
Mean 0.01444
Std Dev 1.245

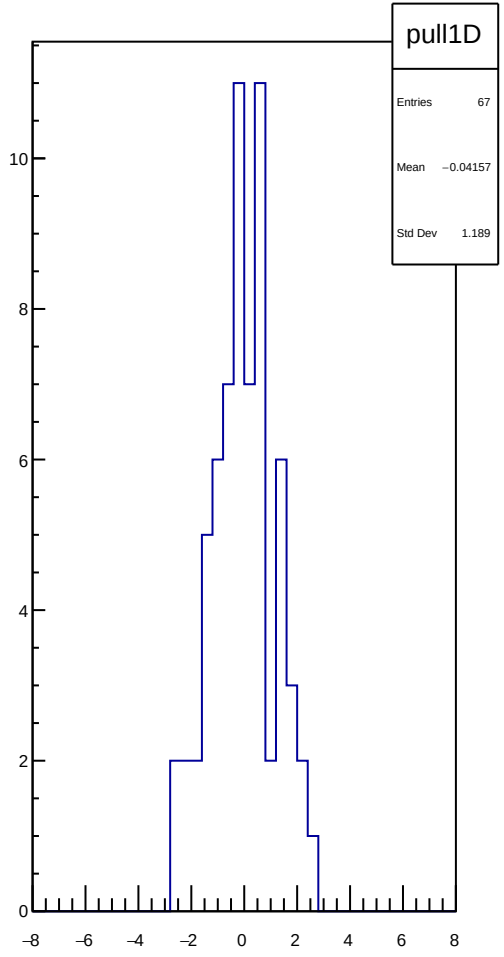

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 56.15 / 66
p0 0.2673 ± 0.0132
pull
Entries 67
Mean −94.25
Std Dev 124

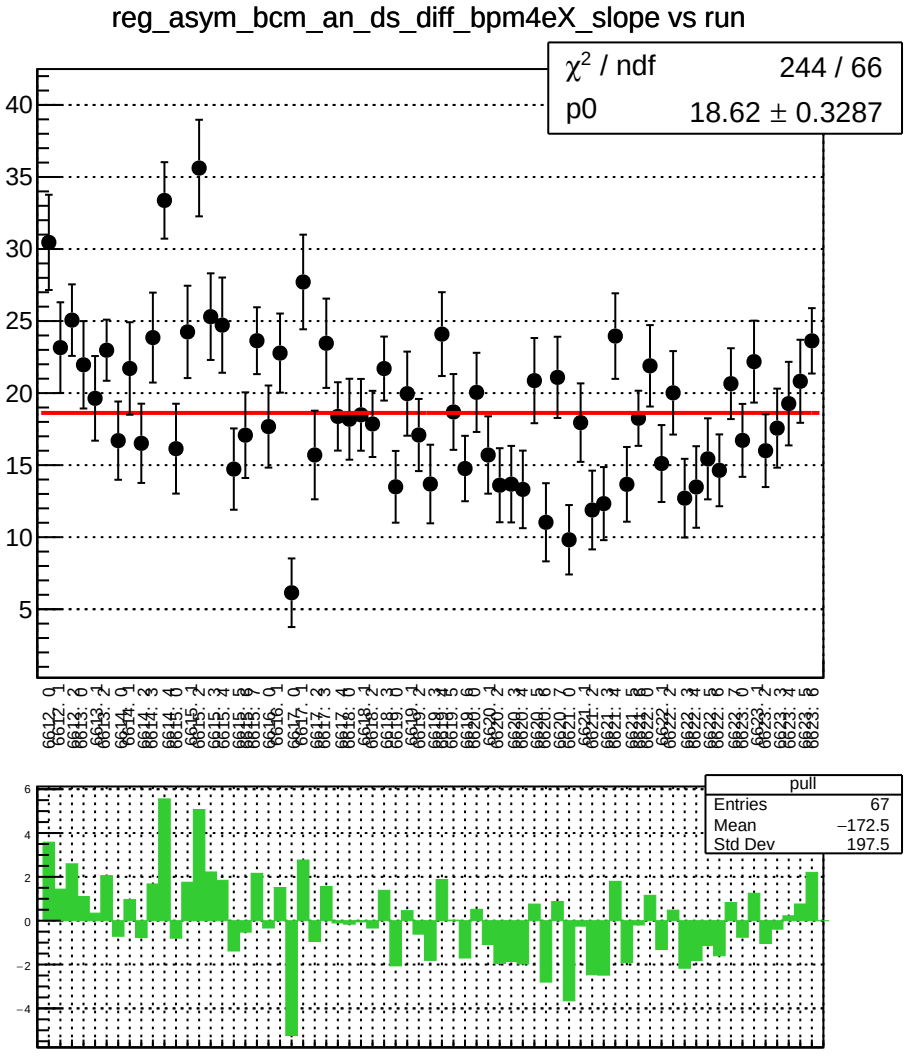

pull1D
Entries 67
Mean 0.03686
Std Dev 0.9147

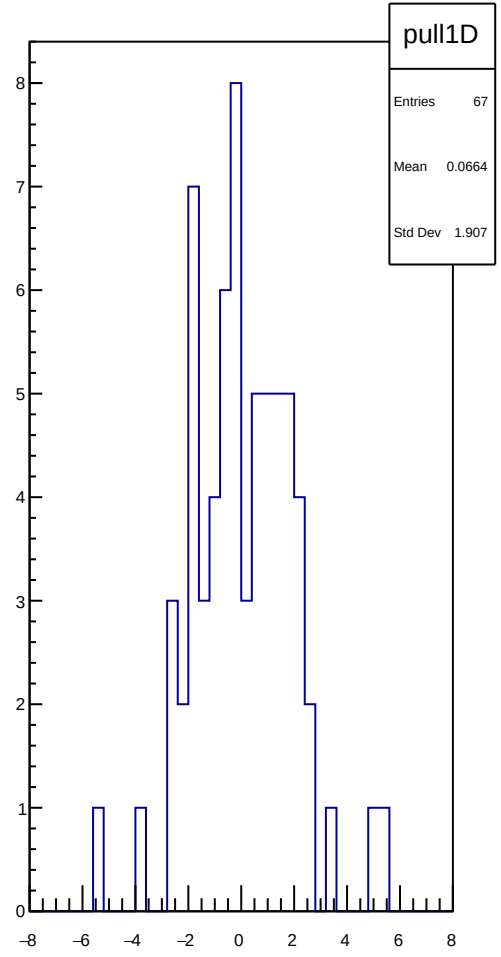

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 254.5 / 66
p0 −17.47 ± 0.3078
pull
Entries 67
Mean −157.9
Std Dev 182.7

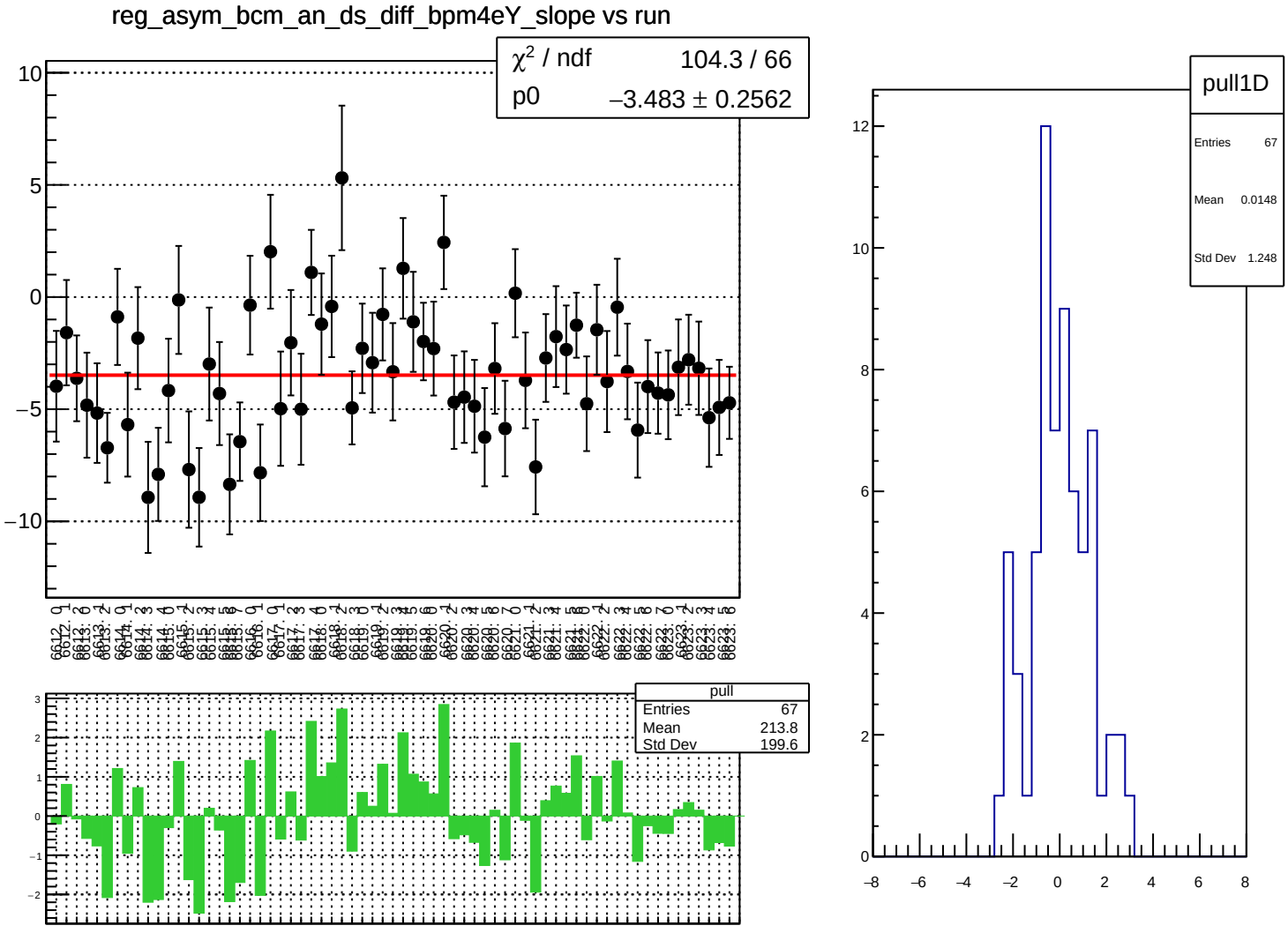

pull1D
Entries 67
Mean −0.07733
Std Dev 1.948

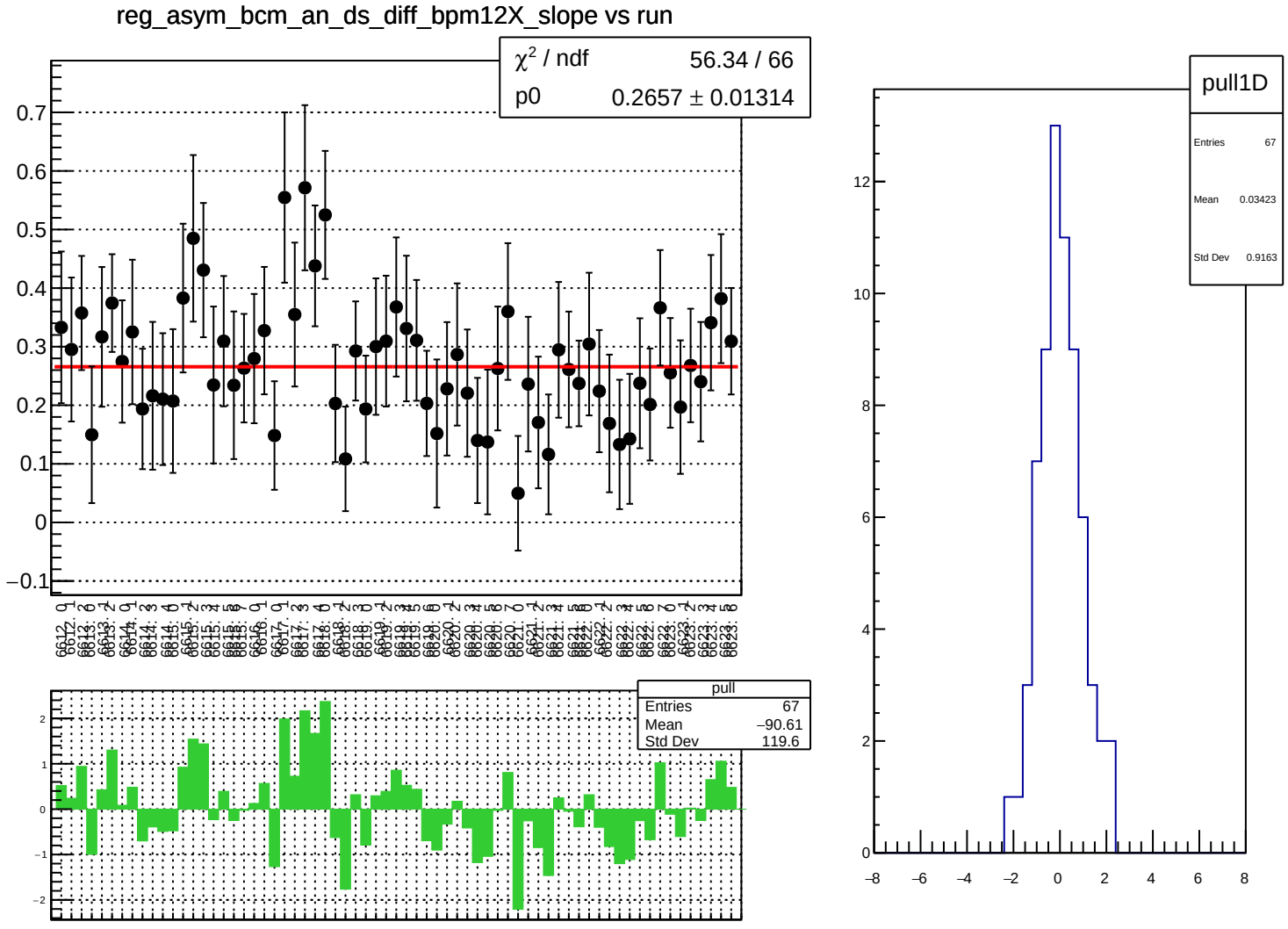

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 94.8 / 66
p0 2.313 ± 0.2145
pull
Entries 67
Mean 100.1
Std Dev 80.67

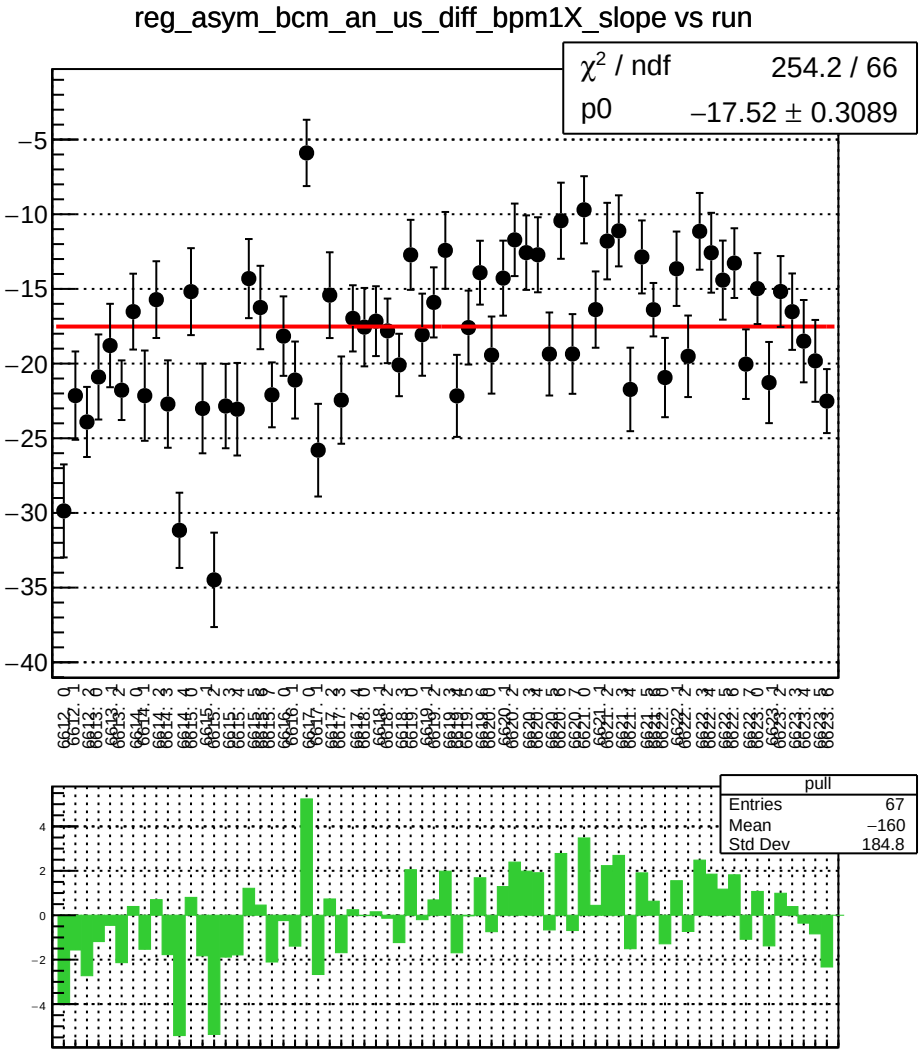

pull1D
Entries 67
Mean −0.04157
Std Dev 1.189

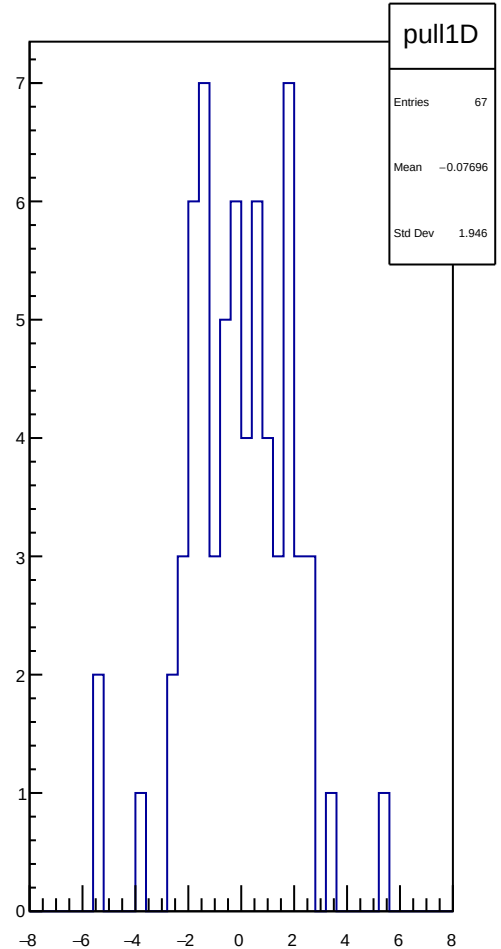

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 244 / 66
p0 18.62 ± 0.3287
pull
Entries 67
Mean −172.5
Std Dev 197.5

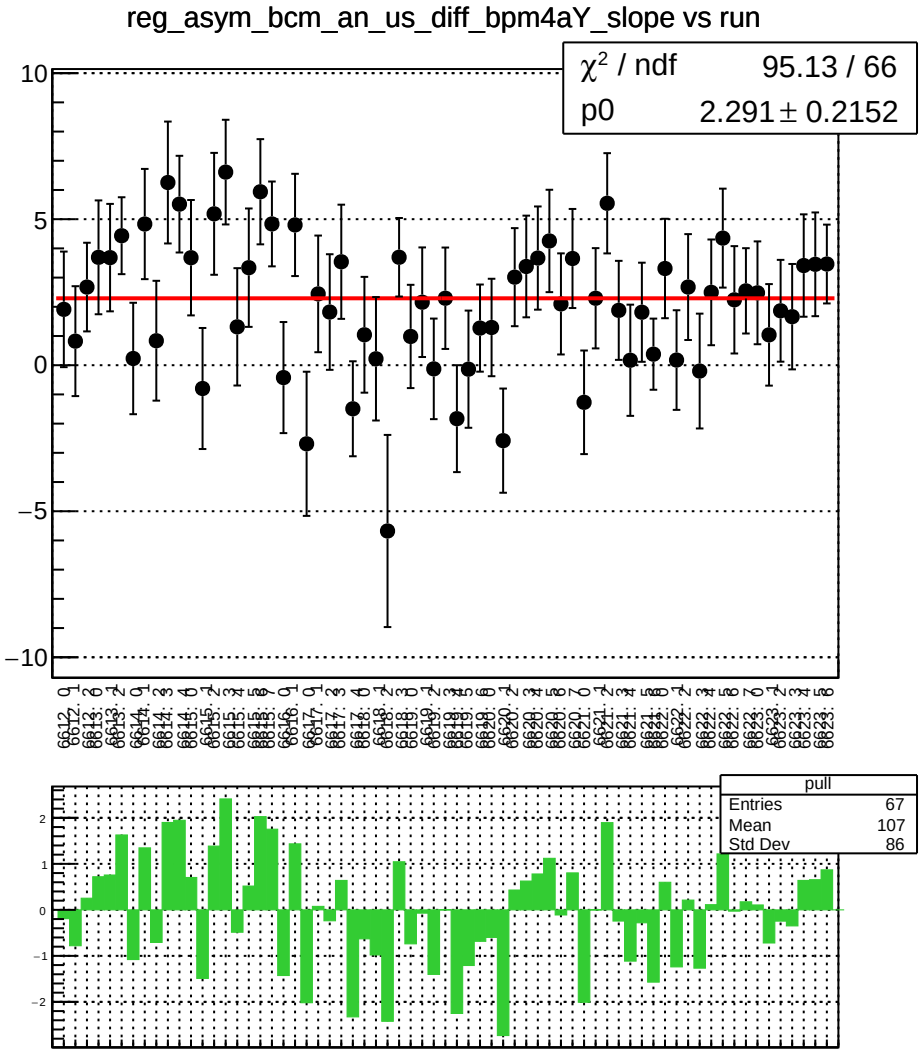

pull1D
Entries 67
Mean 0.0664
Std Dev 1.907

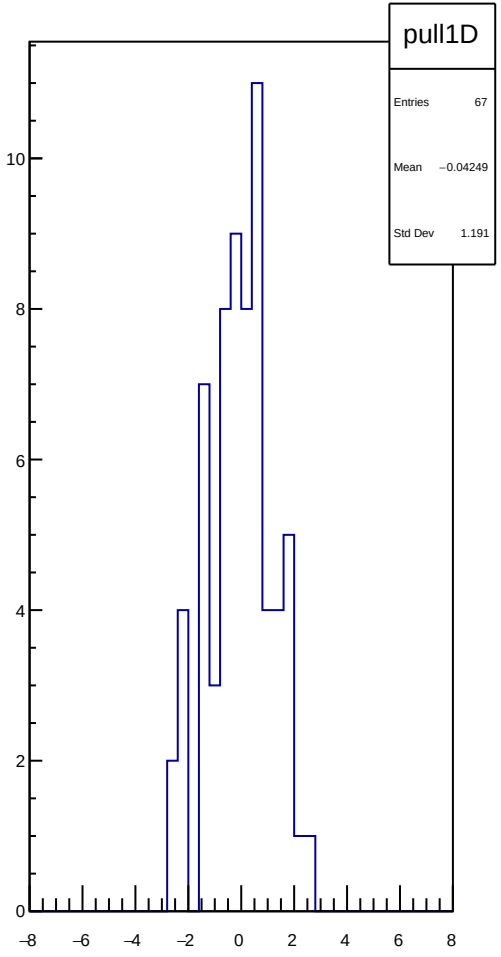

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 66
p0 −3.483 ± 0.2562
pull
Entries 67
Mean 213.8
Std Dev 199.6
pull1D
Entries 67
Mean 0.0148
Std Dev 1.248

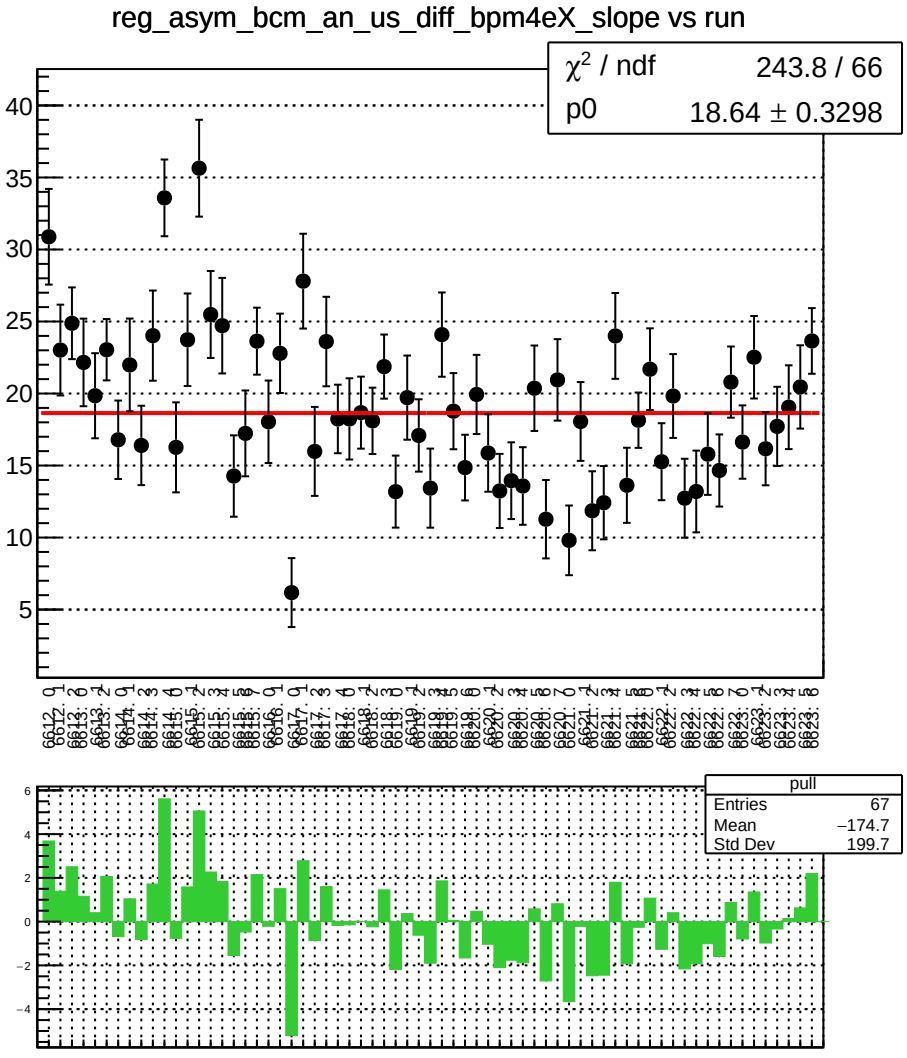

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 56.34 / 66
p0 0.2657 ± 0.01314
pull
Entries 67
Mean −90.61
Std Dev 119.6
pull1D
Entries 67
Mean 0.03423
Std Dev 0.9163

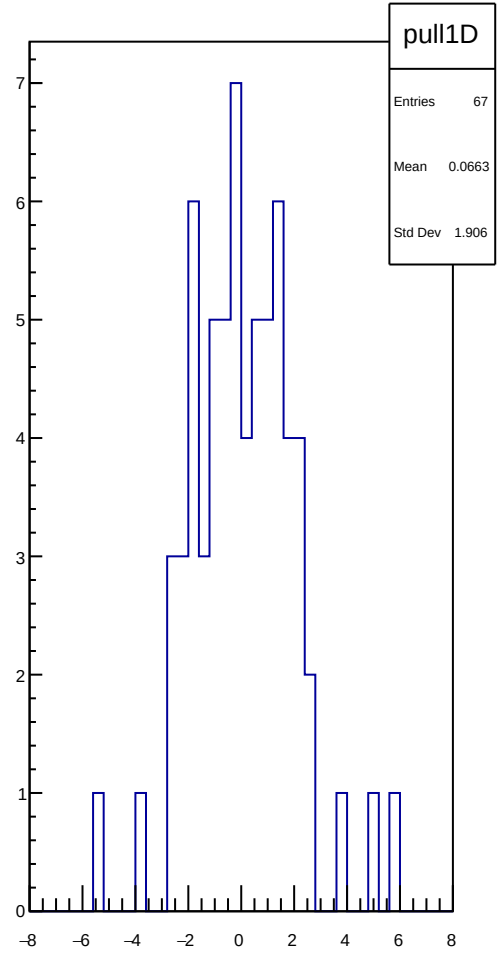

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 254.2 / 66
p0 −17.52 ± 0.3089
pull
Entries 67
Mean −160
Std Dev 184.8

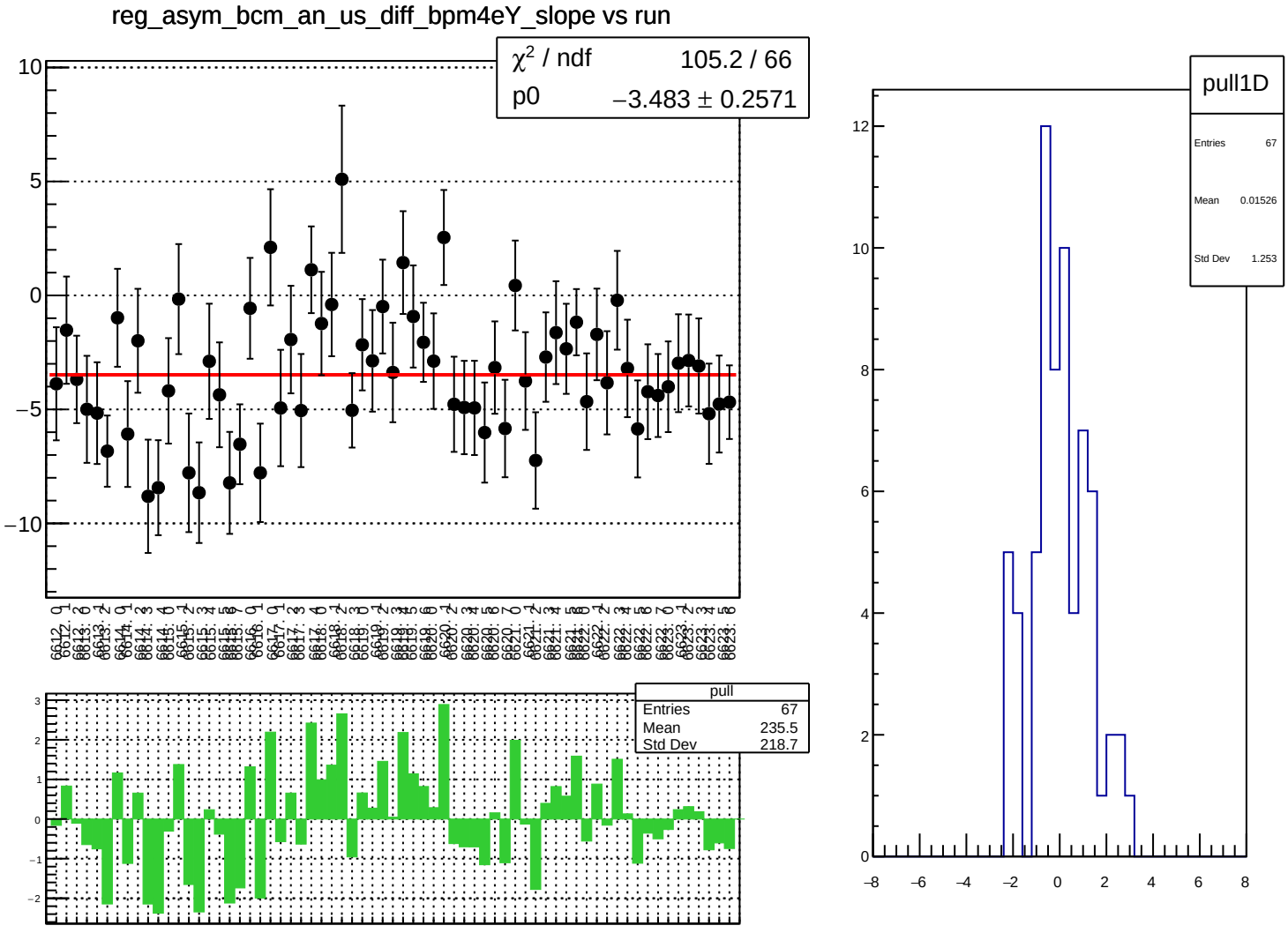

pull1D
Entries 67
Mean −0.07696
Std Dev 1.946

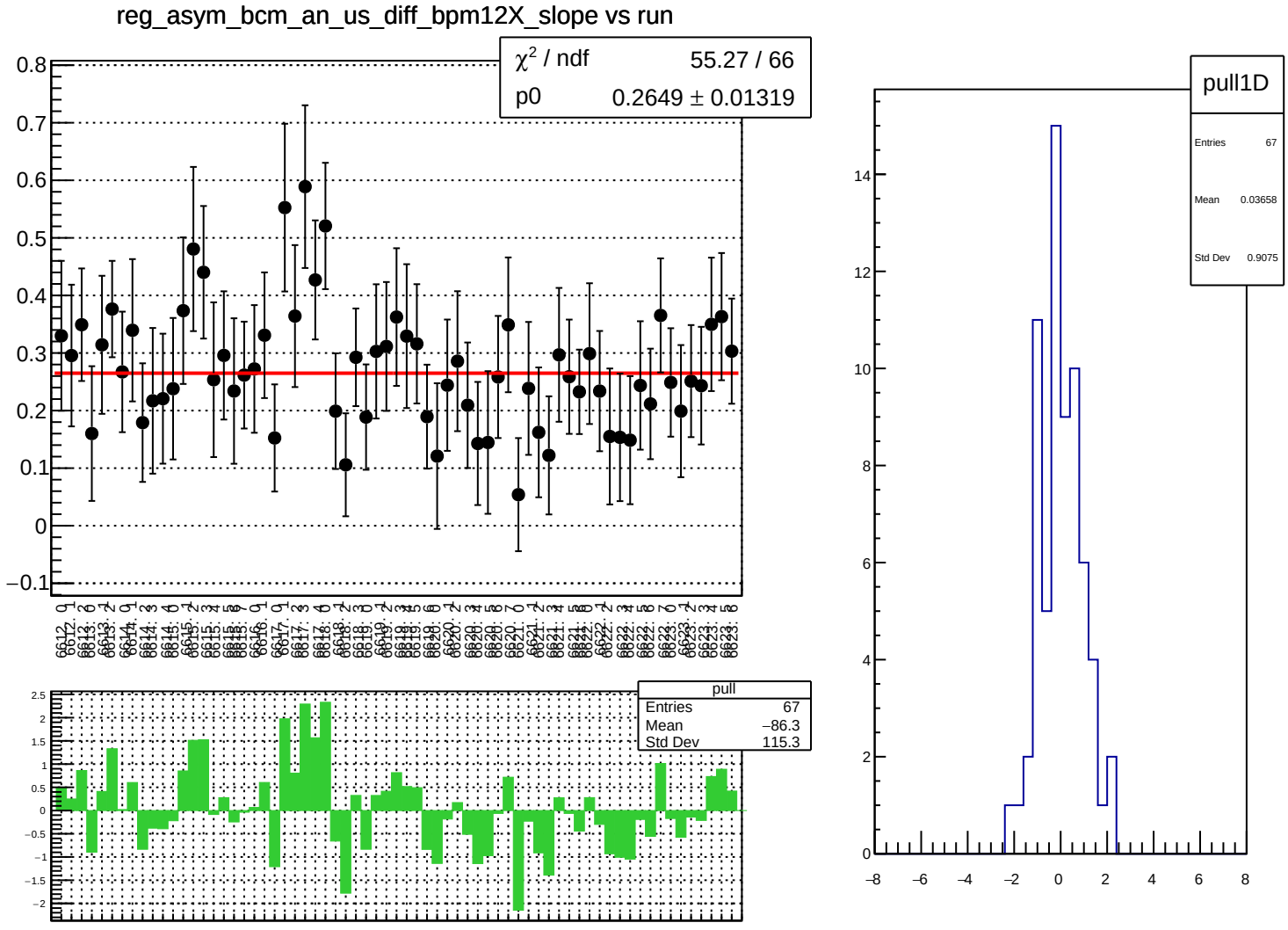

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 95.13 / 66
p0 2.291 ± 0.2152
pull
Entries 67
Mean 107
Std Dev 86

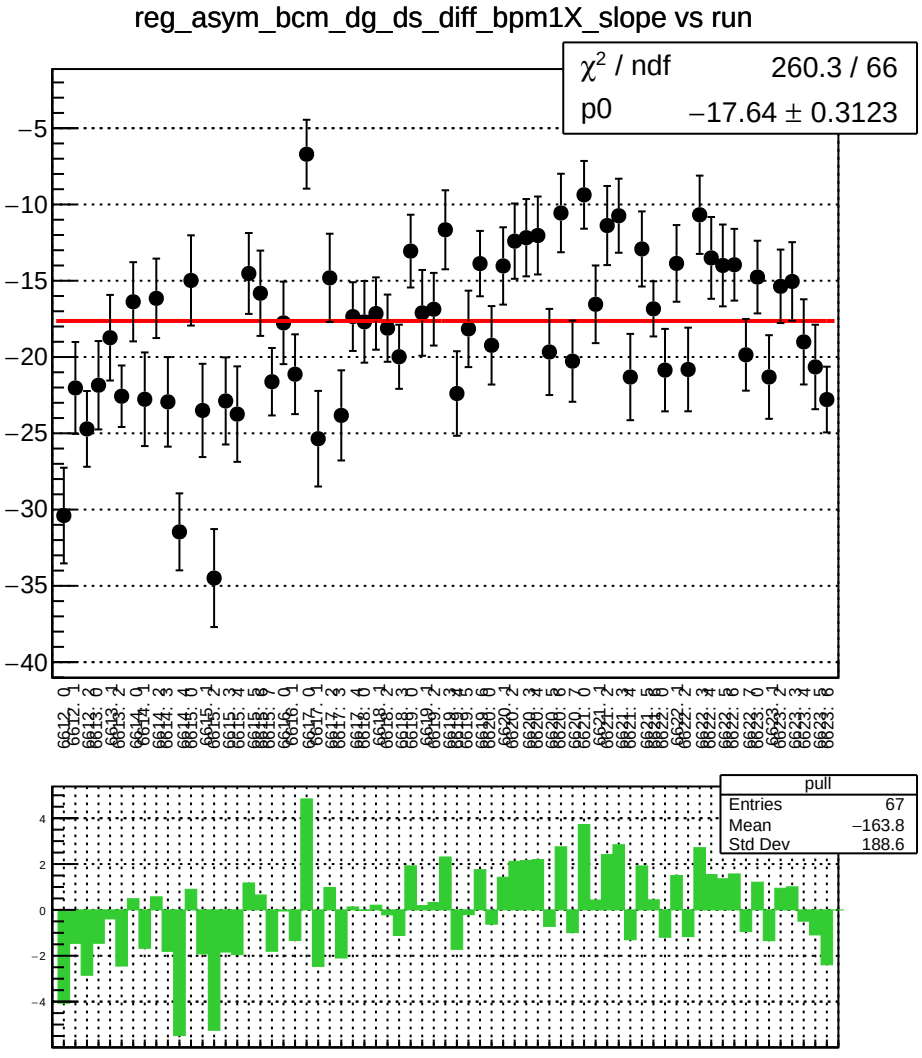

pull1D
Entries 67
Mean −0.04249
Std Dev 1.191

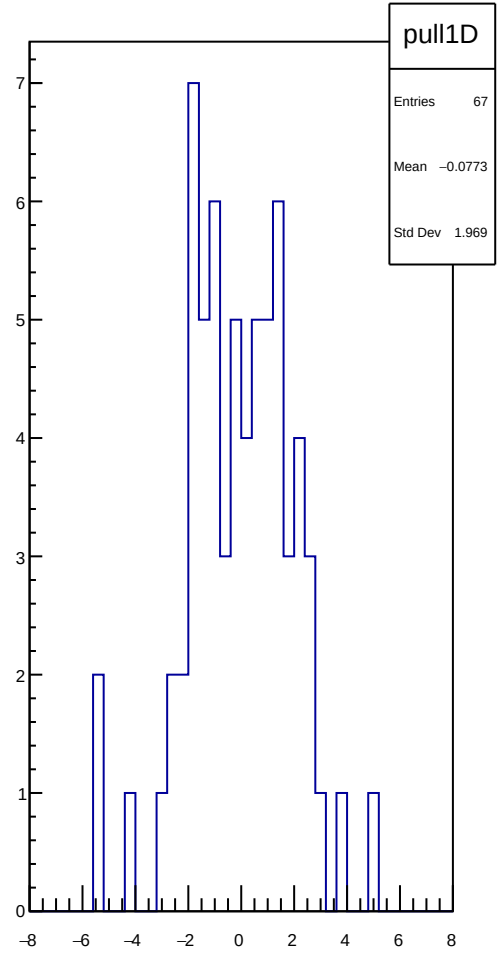

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 243.8 / 66
p0 18.64 ± 0.3298
pull
Entries 67
Mean −174.7
Std Dev 199.7

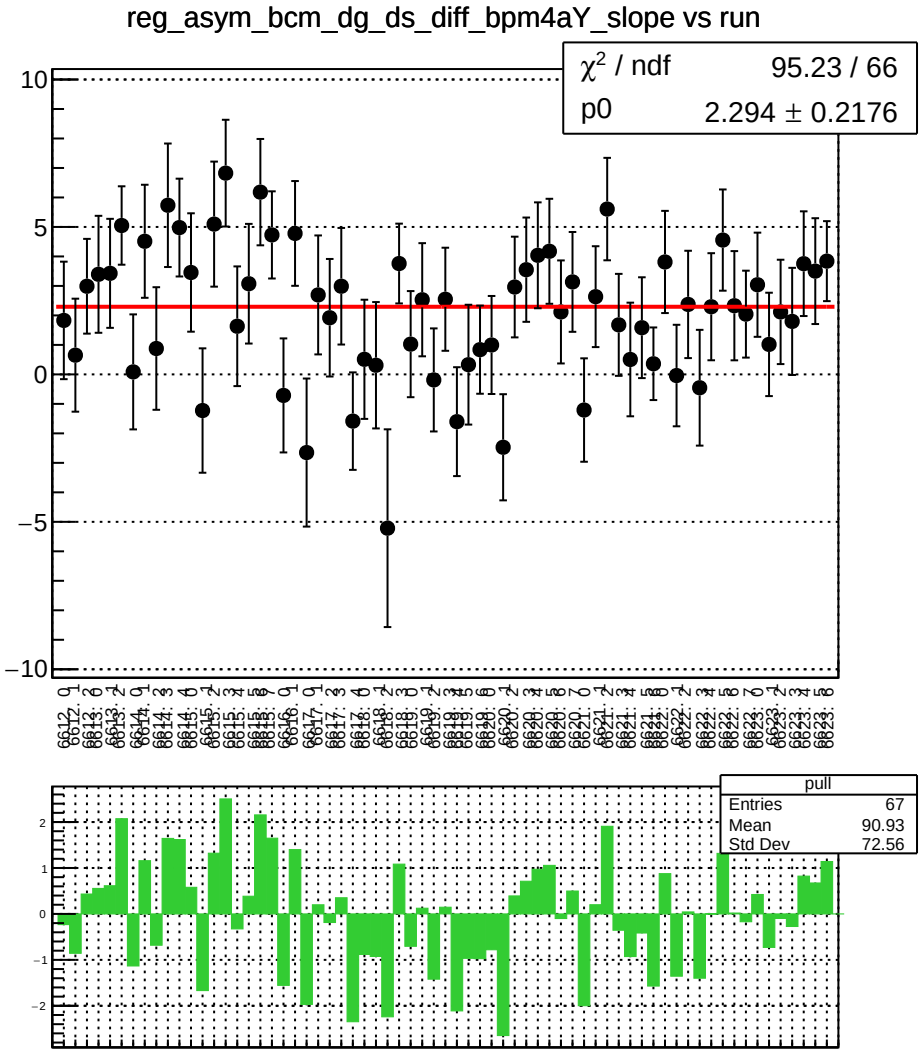

pull1D
Entries 67
Mean 0.0663
Std Dev 1.906

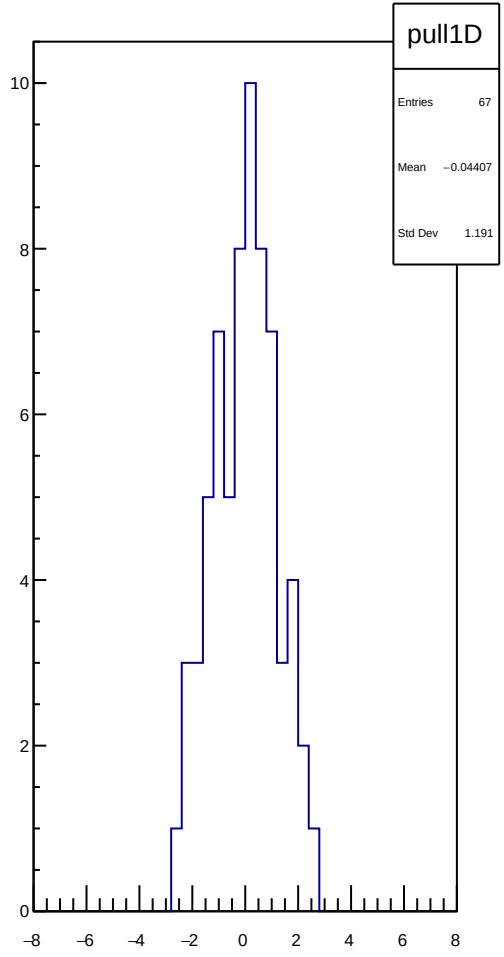

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 105.2 / 66
p0 −3.483 ± 0.2571
pull
Entries 67
Mean 235.5
Std Dev 218.7
pull1D
Entries 67
Mean 0.01526
Std Dev 1.253


reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 55.27 / 66
p0 0.2649 ± 0.01319
pull
Entries 67
Mean −86.3
Std Dev 115.3
pull1D
Entries 67
Mean 0.03658
Std Dev 0.9075

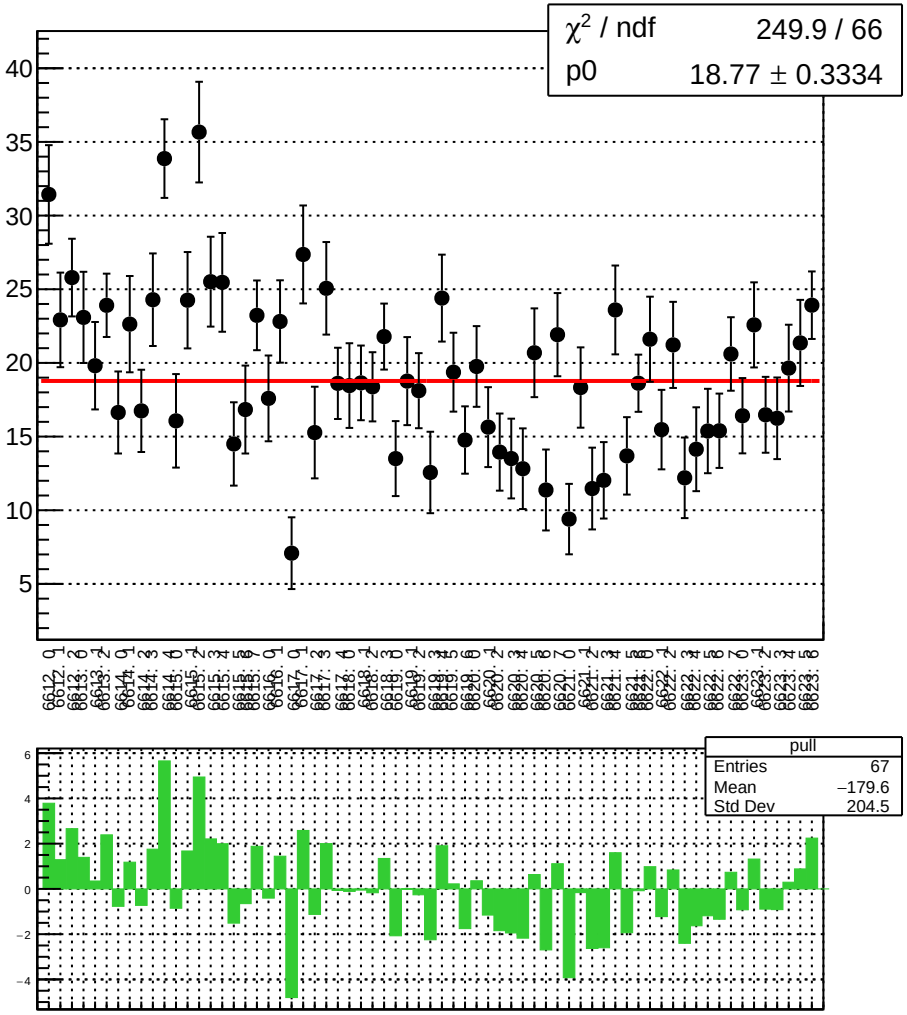

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 260.3 / 66
p0 −17.64 ± 0.3123
pull
Entries 67
Mean −163.8
Std Dev 188.6

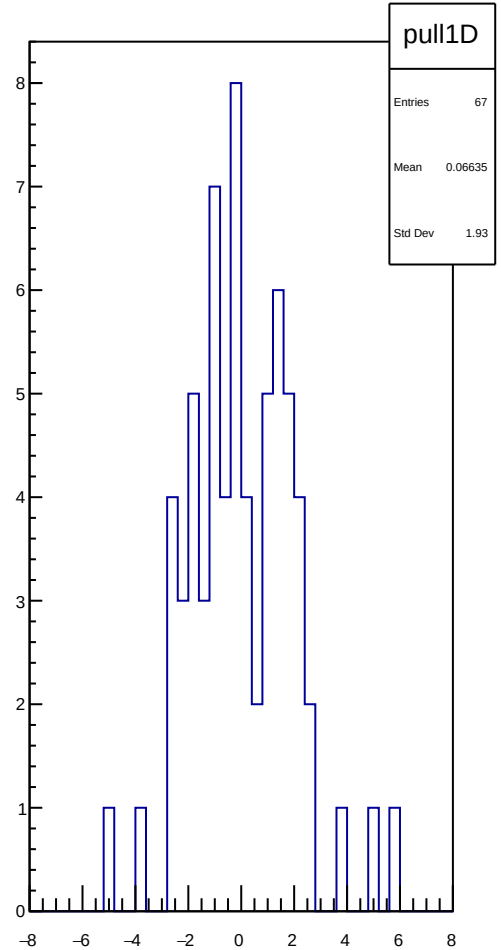

pull1D
Entries 67
Mean −0.0773
Std Dev 1.969

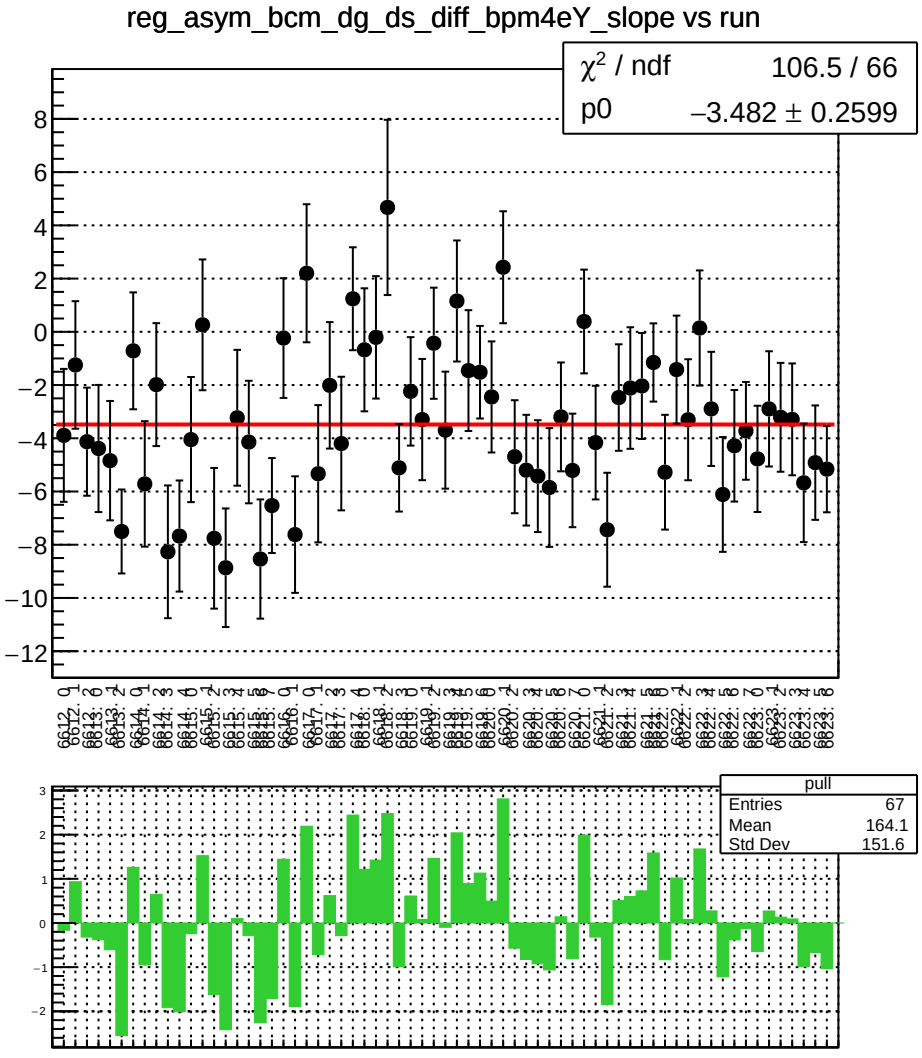

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 95.23 / 66
p0 2.294 ± 0.2176
pull
Entries 67
Mean 90.93
Std Dev 72.56

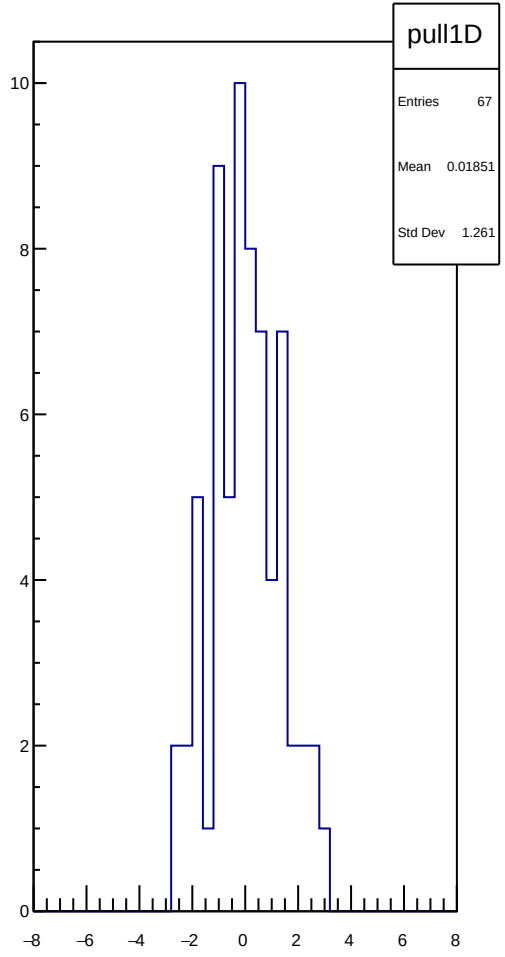

pull1D
Entries 67
Mean −0.04407
Std Dev 1.191

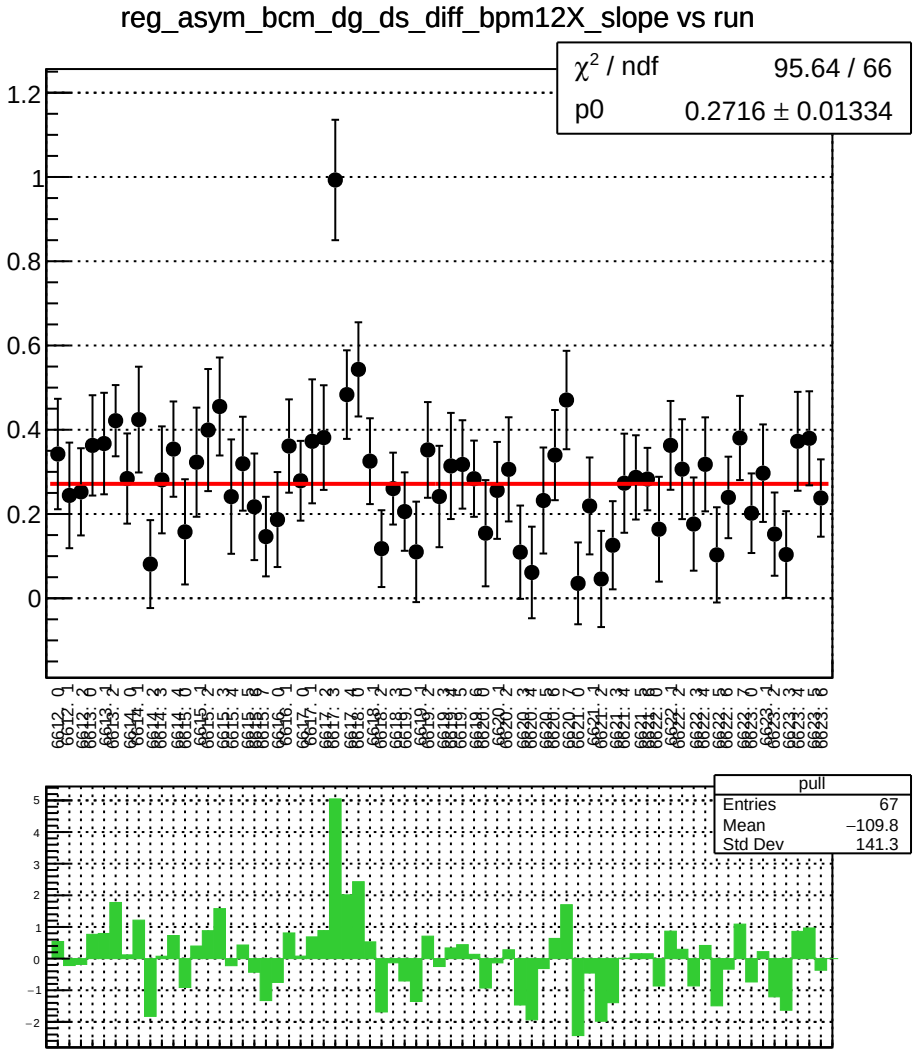
reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run

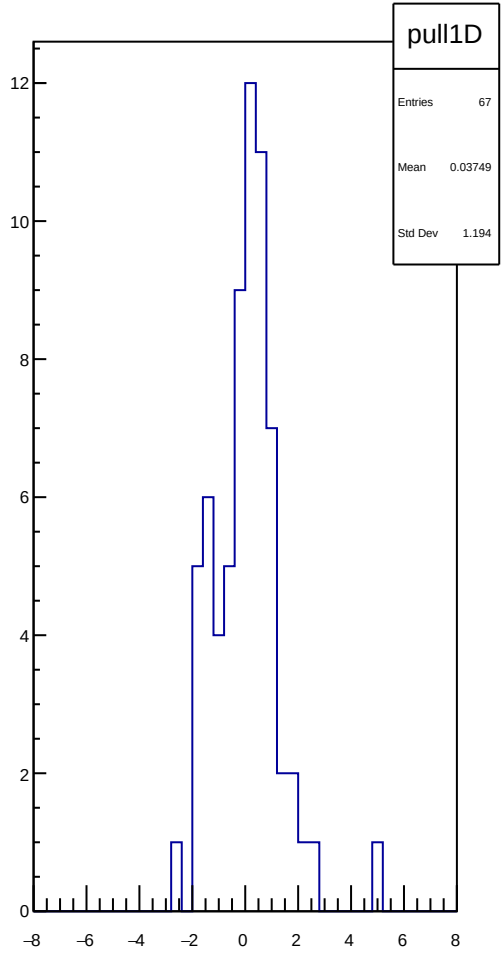


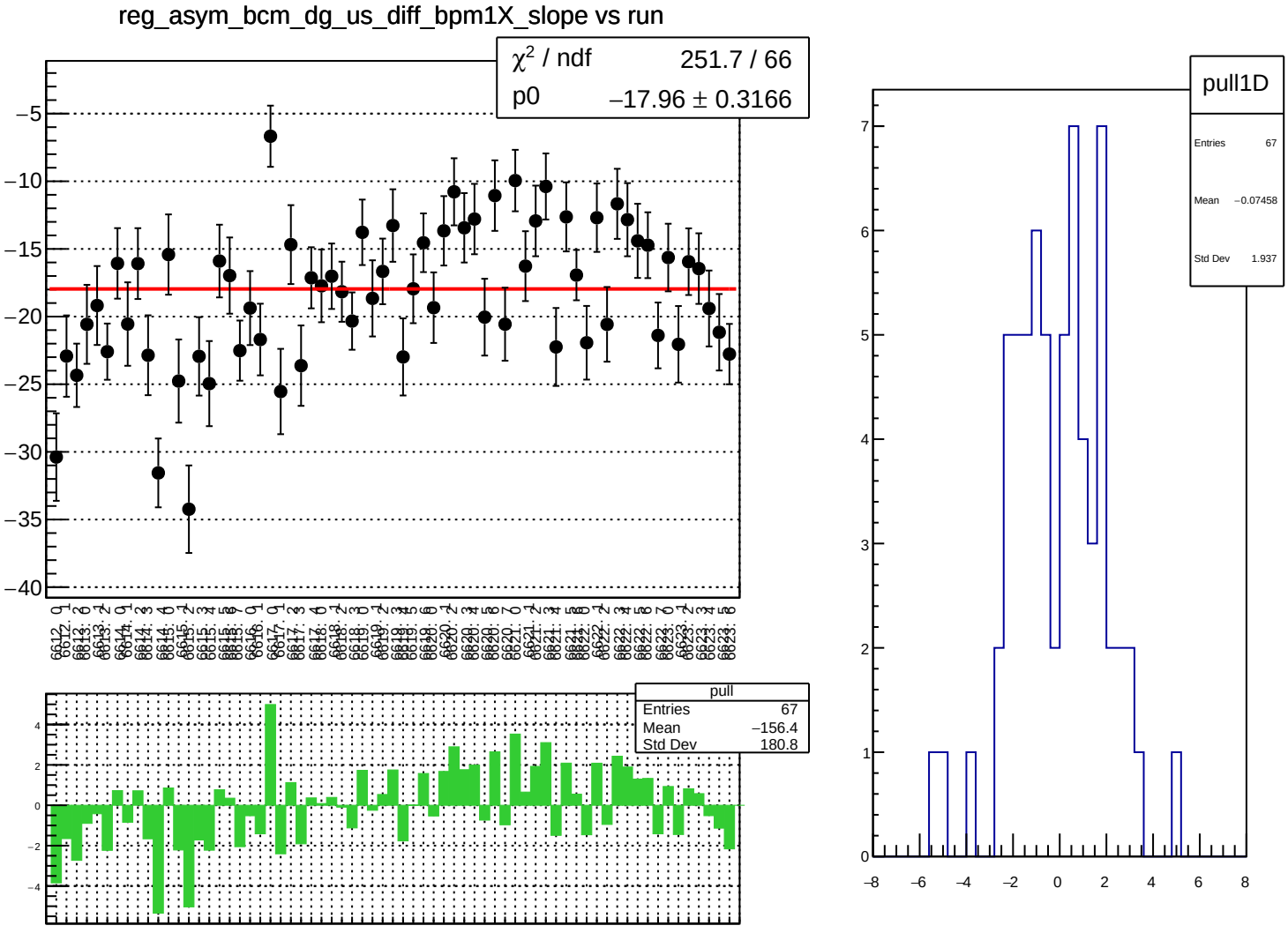


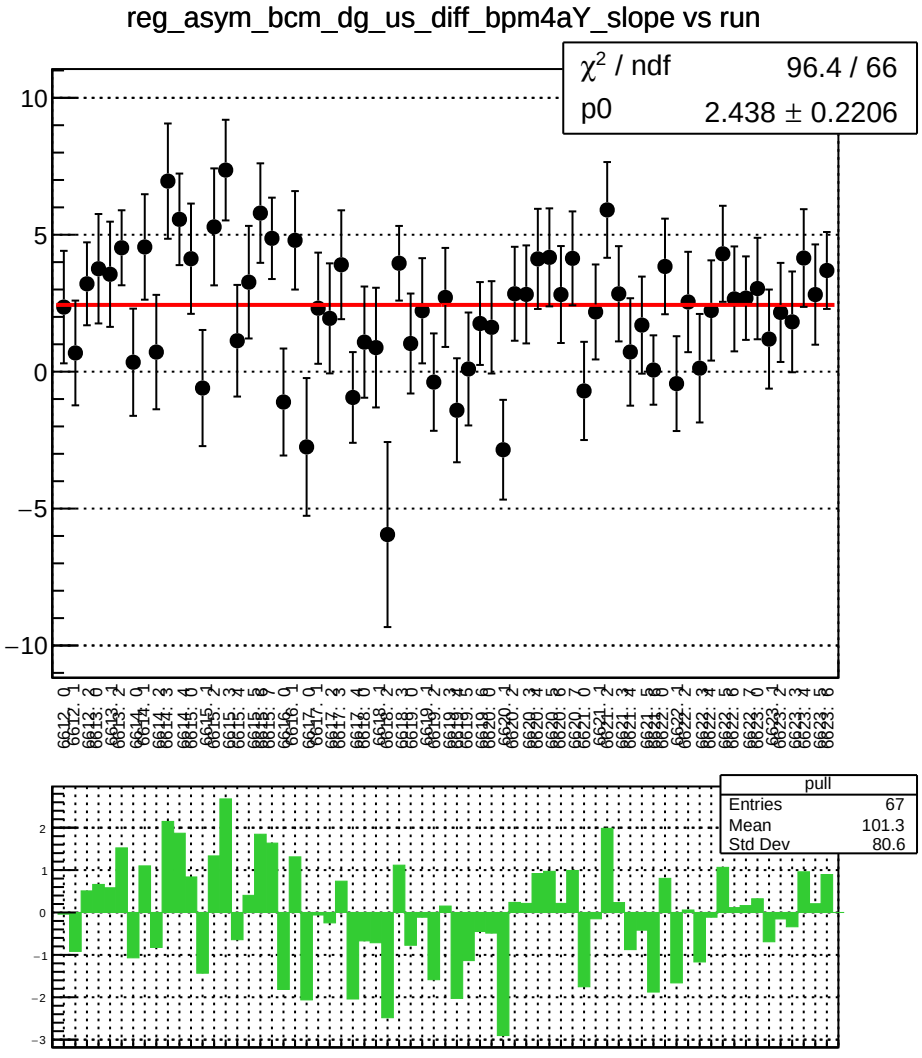

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 106.5 / 66
p0 −3.482 ± 0.2599
pull
Entries 67
Mean 164.1
Std Dev 151.6

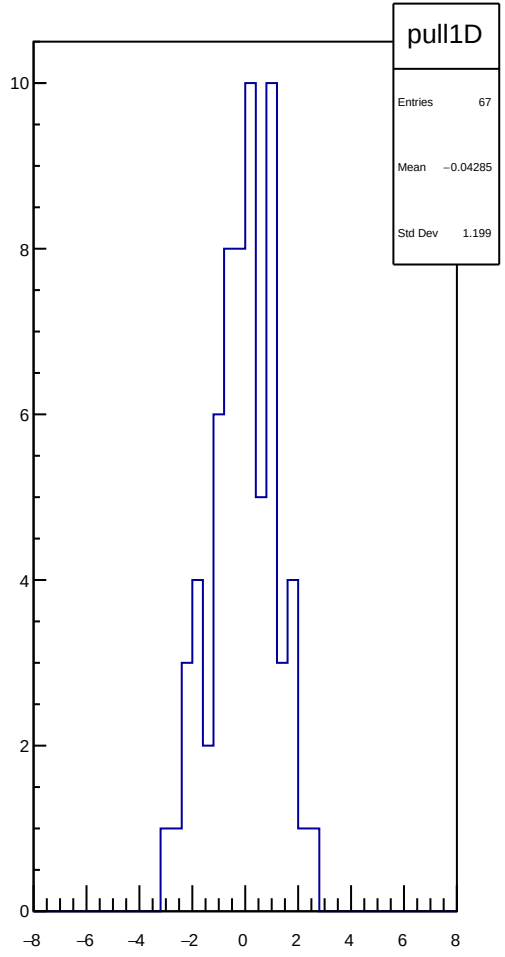

pull1D
Entries 67
Mean 0.01851
Std Dev 1.261

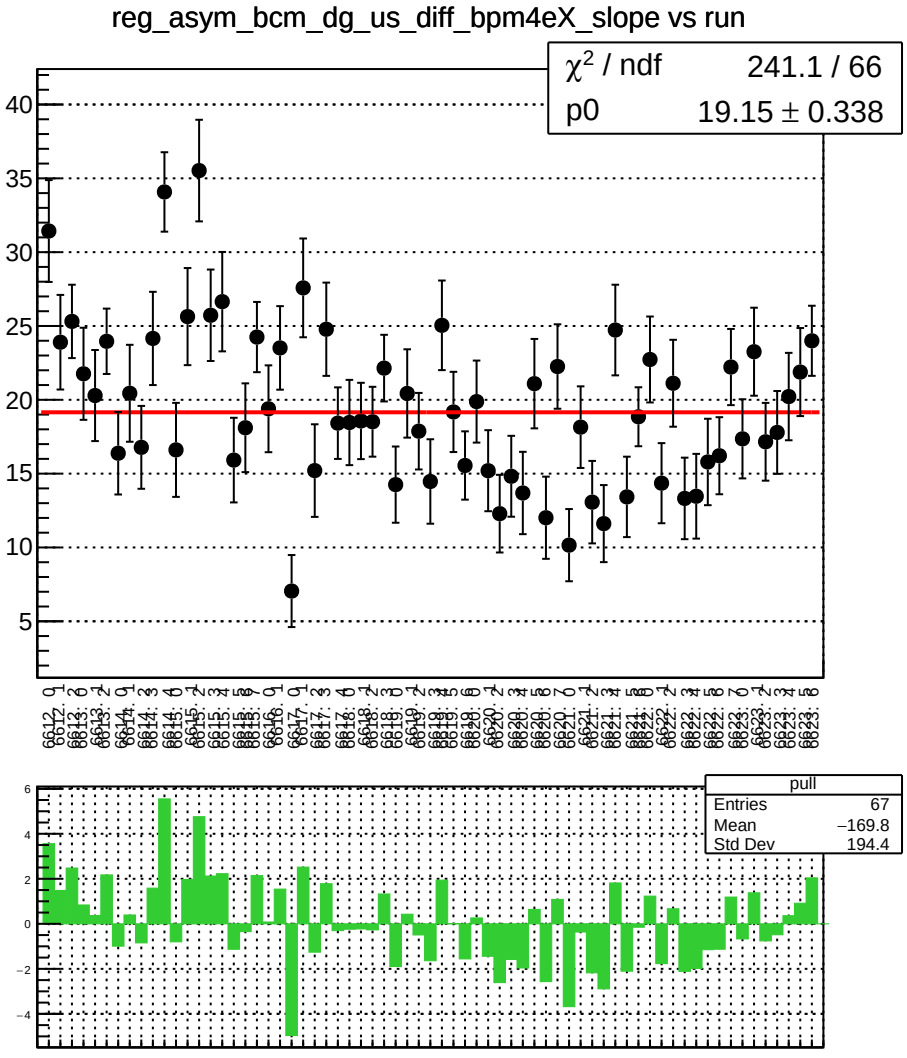

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 95.64 / 66
p0 0.2716 ± 0.01334
pull
Entries 67
Mean −109.8
Std Dev 141.3

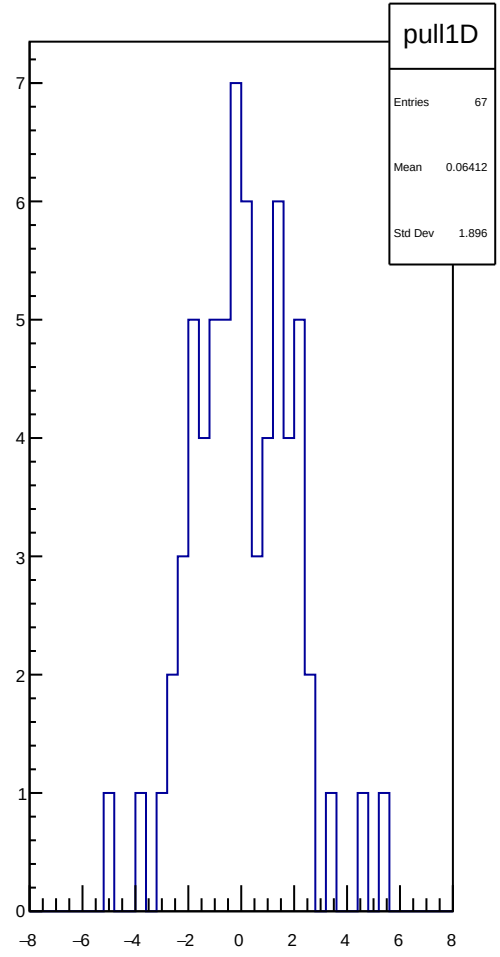

pull1D
Entries 67
Mean 0.03749
Std Dev 1.194

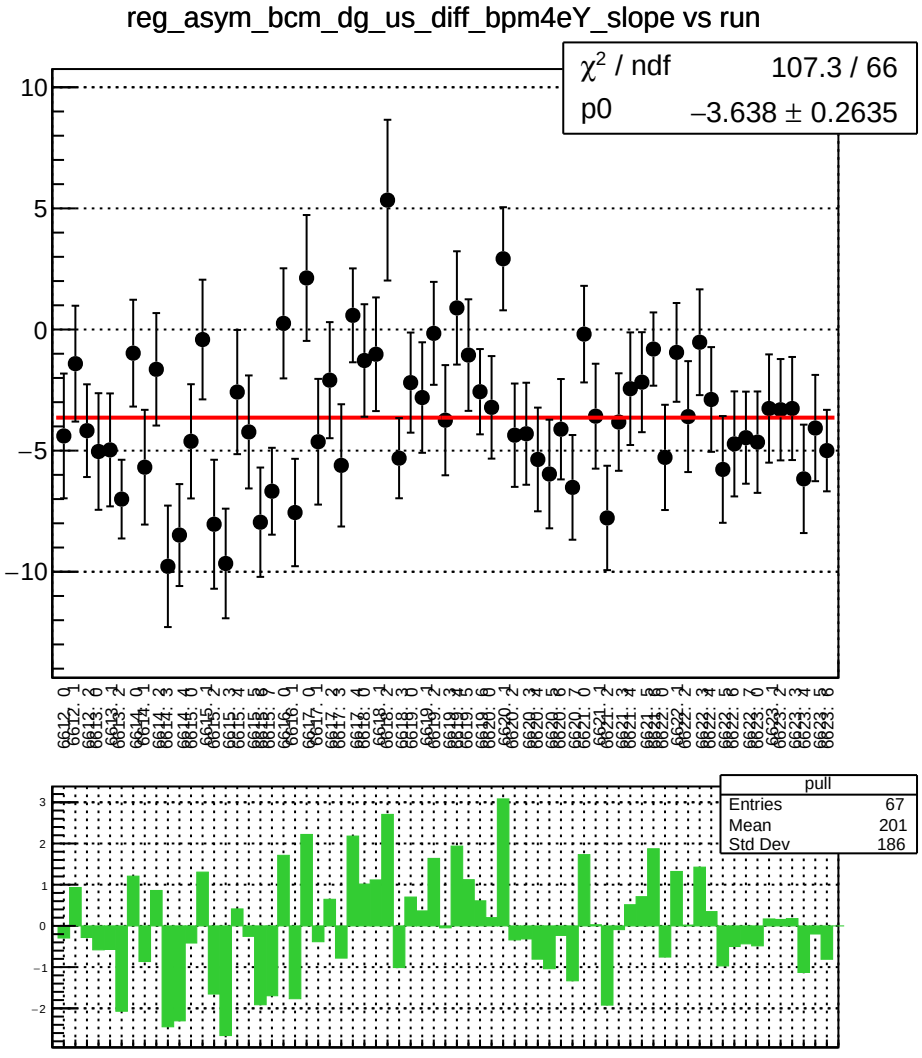

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 251.7 / 66
p0 −17.96 ± 0.3166
pull
Entries 67
Mean −156.4
Std Dev 180.8
pull1D
Entries 67
Mean −0.07458
Std Dev 1.937

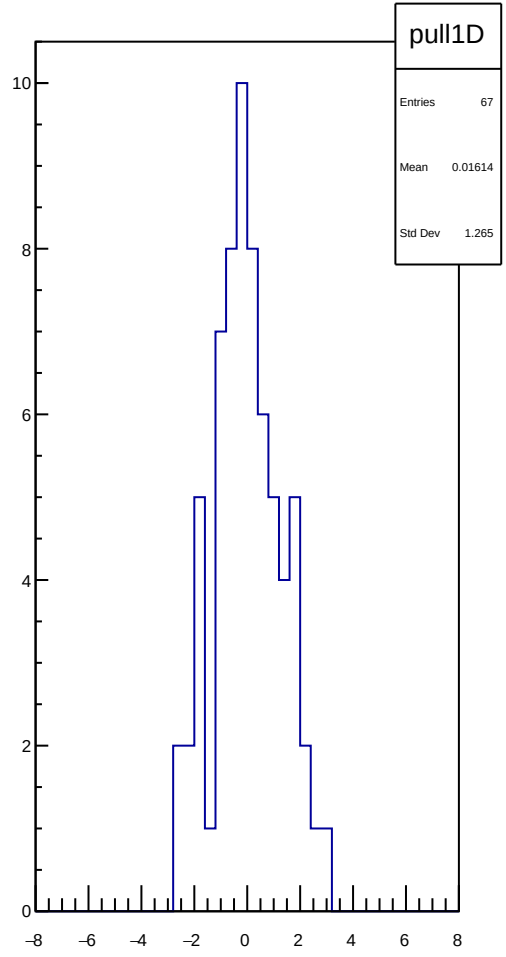

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 96.4 / 66
p0 2.438 ± 0.2206
pull
Entries 67
Mean 101.3
Std Dev 80.6

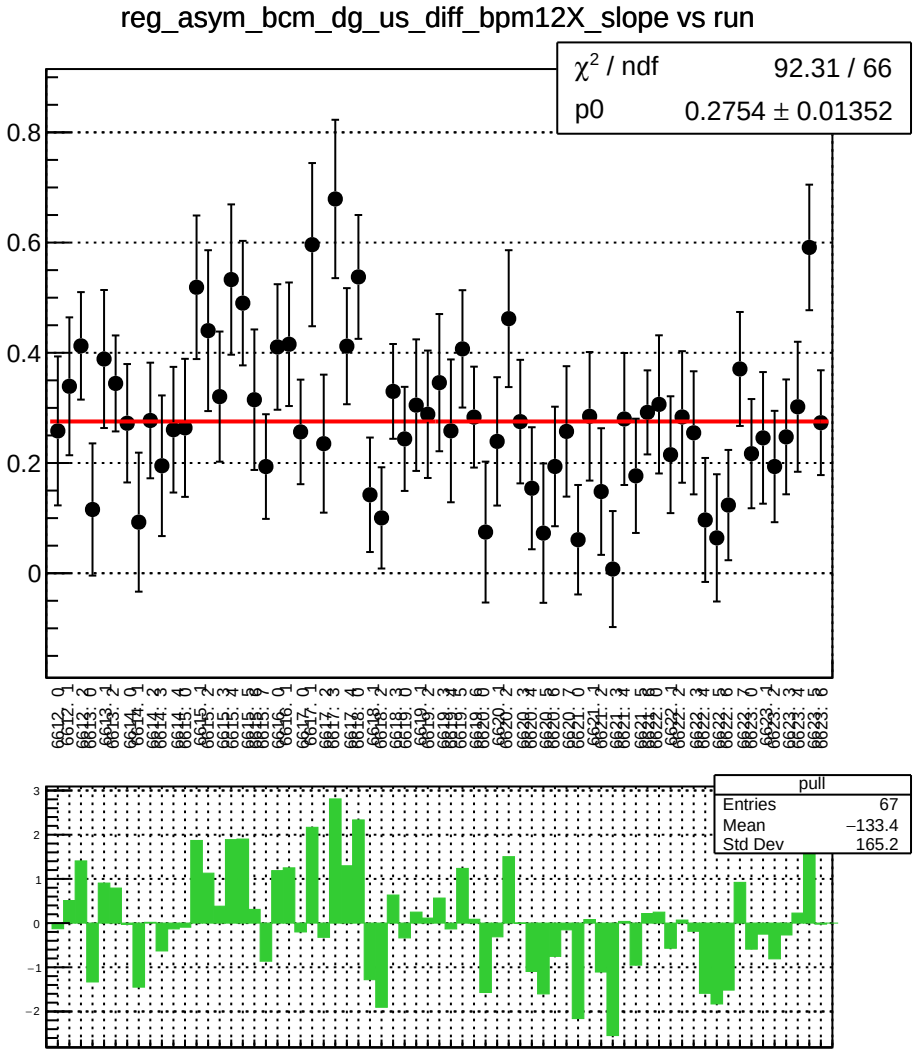

pull1D
Entries 67
Mean −0.04285
Std Dev 1.199

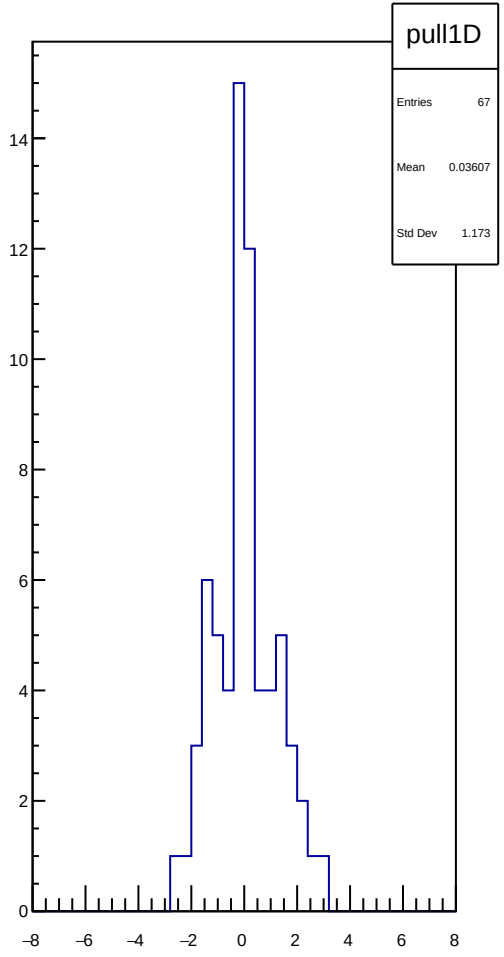

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ2 / ndf 241.1 / 66
p0 19.15 ± 0.338
pull
Entries 67
Mean −169.8
Std Dev 194.4


pull1D
Entries 67
Mean 0.06412
Std Dev 1.896


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 107.3 / 66
p0 −3.638 ± 0.2635
pull
Entries 67
Mean 201
Std Dev 186


pull1D
Entries 67
Mean 0.01614
Std Dev 1.265


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 92.31 / 66
p0 0.2754 ± 0.01352
pull
Entries 67
Mean −133.4
Std Dev 165.2


pull1D
Entries 67
Mean 0.03607
Std Dev 1.173