dit_asym_us_avg_mean vs run
χ² / ndf 44.49 / 51
p0 −2379 ± 1115
pull
Entries 52
Mean −81.12
Std Dev 122.4
pull1D
Entries 52
Mean 0.01016
Std Dev 0.9249

dit_asym_us_avg_rms vs run
χ^2 / ndf 86.69 / 51
p0 799.8 ± 0.7885
830
820
810
800
790
780
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_us_avg_mean vs run
χ² / ndf 51.06 / 51
p0 −1417 ± 1949
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −413.5
Std Dev 440.9
pull1D
Entries 52
Mean 0.003965
Std Dev 0.9909

asym_us_avg_rms vs run
χ² / ndf 1523 / 51
p0 1397 ± 1.378
1600
1550
1500
1450
1400
1350
1300
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_us_dd_mean vs run
χ² / ndf 52.46 / 51
p0 −499 ± 1096
pull
Entries 52
Mean −197
Std Dev 220.9
pull1D
Entries 52
Mean −0.01492
Std Dev 1.004

dit_asym_us_dd_rms vs run
χ² / ndf 65.77 / 51
p0 786.2 ± 0.775
820
810
800
790
780
770
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_us_dd_mean vs run
χ² / ndf 65.84 / 51
p0 −320.3 ± 1771
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −346.3
Std Dev 369.7
2
1
0
−1
−2

pull1D
Entries 52
Mean −0.007695
Std Dev 1.125
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_rms vs run
χ² / ndf 1109 / 51
p0 1270 ± 1.252
1400
1350
1300
1250
1200
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_usl_mean vs run
χ² / ndf 36.21 / 51
p0 −2898 ± 1564
pull
Entries 52
Mean −620
Std Dev 634.8
pull1D
Entries 52
Mean −0.002404
Std Dev 0.8345

dit_asym_usl_rms vs run
χ2 / ndf 72.7 / 51
p0 1122 ± 1.106
1170
1160
1150
1140
1130
1120
1110
1100
1090
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_usl_mean vs run
χ² / ndf 31.98 / 51
p0 −1797 ± 1843
pull
Entries 52
Mean −898.4
Std Dev 914.2
pull1D
Entries 52
Mean −0.001033
Std Dev 0.7843

asym_usl_rms vs run
χ2 / ndf 142.7 / 51
p0 1322 ± 1.303
1380
1360
1340
1320
1300
1280
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5961. 0
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5964. 0
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_usr_mean vs run
χ² / ndf 60.46 / 51
p0 −1874 ± 1563
pull
Entries 52
Mean −152
Std Dev 180.5
pull1D
Entries 52
Mean 0.01757
Std Dev 1.078

dit_asym_usr_rms vs run
χ² / ndf 75.21 / 51
p0 1121 ± 1.106
1170
1160
1150
1140
1130
1120
1110
1100
1090
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_usr_mean vs run
×10^3
χ² / ndf 66.3 / 51
p0 −1148 ± 3234
pull
Entries 52
Mean −305.1
Std Dev 330.2

pull1D
Entries 52
Mean 0.007828
Std Dev 1.129

asym_usr_rms vs run
χ² / ndf 2074 / 51
p0 2318 ± 2.287
2600
2500
2400
2300
2200
2100
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 42.34 / 51
p0 −1242 ± 2578
pull
Entries 52
Mean 31.52
Std Dev 50.9

pull1D
Entries 52
Mean −0.01195
Std Dev 0.9023

dit_asym_at1_avg_rms vs run
χ2 / ndf 8126 / 51
p0 1842 ± 1.823
5500
5000
4500
4000
3500
3000
2500
2000
1500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_at1_avg_mean vs run
×10^3
χ² / ndf 38.6 / 51
p0 −751.8 ± 2673
pull
Entries 52
Mean 75.38
Std Dev 76.41

pull1D
Entries 52
Mean −0.0106
Std Dev 0.8615

asym_at1_avg_rms vs run
χ2 / ndf 7871 / 51
p0 1910 ± 1.89
5500
5000
4500
4000
3500
3000
2500
2000
1500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 40.04 / 51
p0 5134 ± 2577
pull
Entries 52
Mean −298.9
Std Dev 325.5

pull1D
Entries 52
Mean −0.00693
Std Dev 0.8775

dit_asym_at1_dd_rms vs run
χ2 / ndf 8200 / 51
p0 1841 ± 1.822
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_at1_dd_mean vs run
×10^3
χ² / ndf 33.13 / 51
p0 5081 ± 2786
pull
Entries 52
Mean −154.5
Std Dev 182.4

pull1D
Entries 52
Mean −0.009575
Std Dev 0.7982

asym_at1_dd_rms vs run
χ2 / ndf 7697 / 51
p0 1991 ± 1.97
6000
5500
5000
4500
4000
3500
3000
2500
2000
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_at2_avg_mean vs run
χ² / ndf 47.44 / 51
p0 −1151 ± 2521
pull
Entries 52
Mean −22.74
Std Dev 72.94
pull1D
Entries 52
Mean 0.008125
Std Dev 0.9552

dit_asym_at2_avg_rms vs run
χ² / ndf 125.8 / 51
p0 1808 ± 1.782
1880
1860
1840
1820
1800
1780
1760
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 59.42 / 51
p0 4861 ± 9973
pull
Entries 52
Mean 385.2
Std Dev 362.6

pull1D
Entries 52
Mean −0.003904
Std Dev 1.069

asym_at2_avg_rms vs run
χ² / ndf 2687 / 51
p0 7144 ± 7.052
8200
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_at2_dd_mean vs run
χ² / ndf 50.9 / 51
p0 −597.9 ± 2191
pull
Entries 52
Mean 803.4
Std Dev 776.5
pull1D
Entries 52
Mean 0.006903
Std Dev 0.9893

dit_asym_at2_dd_rms vs run
χ² / ndf 78.87 / 51
p0 1571 ± 1.549
1640
1620
1600
1580
1560
1540
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_at2_dd_mean vs run
×10^3
χ² / ndf 68.82 / 51
p0 941.8 ± 3655
pull
Entries 52
Mean 940
Std Dev 914.5

pull1D
Entries 52
Mean −0.004548
Std Dev 1.15

asym_at2_dd_rms vs run
χ² / ndf 1352 / 51
p0 2620 ± 2.585
2900
2800
2700
2600
2500
2400
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atl_avg_mean vs run
χ² / ndf 52.24 / 51
p0 882.7 ± 2233
pull
Entries 52
Mean −5775
Std Dev 5803
pull1D
Entries 52
Mean −0.0006542
Std Dev 1.002

dit_asym_atl_avg_rms vs run
χ² / ndf 98.93 / 51
p0 1601 ± 1.579
1680
1660
1640
1620
1600
1580
1560
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atl_avg_mean vs run
×10^3
χ² / ndf 42.1 / 51
p0 3891 ± 4786
pull
Entries 52
Mean −63.31
Std Dev 108.3

pull1D
Entries 52
Mean −0.005854
Std Dev 0.8998

asym_atl_avg_rms vs run
χ² / ndf 1819 / 51
p0 3430 ± 3.384
3900
3800
3700
3600
3500
3400
3300
3200
3100
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atl_dd_mean vs run
χ² / ndf 45.07 / 51
p0 2649 ± 2173
pull
Entries 52
Mean 86.65
Std Dev 73.09
pull1D
Entries 52
Mean −0.01761
Std Dev 0.9308

dit_asym_atl_dd_rms vs run
χ2 / ndf 56.21 / 51
p0 1559 ± 1.537
1610
1600
1590
1580
1570
1560
1550
1540
1530
1520
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5961. 0
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5963. 5
5964. 0
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5965. 6
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atl_dd_mean vs run
χ² / ndf 56.28 / 51
p0 95.63 ± 3589
pull
Entries 52
Mean −71.67
Std Dev 104.5
pull1D
Entries 52
Mean −0.003391
Std Dev 1.04

asym_atl_dd_rms vs run
χ² / ndf 1037 / 51
p0 2573 ± 2.538
2800
2750
2700
2650
2600
2550
2500
2450
2400
2350

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 37.35 / 51
p0 −3906 ± 2745
pull
Entries 52
Mean −775.6
Std Dev 801.5

pull1D
Entries 52
Mean 0.004047
Std Dev 0.8474

dit_asym_atr_avg_rms vs run
χ² / ndf 7787 / 51
p0 1961 ± 1.941
6000
5500
5000
4500
4000
3500
3000
2500
2000
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 60.32 / 51
p0 −1186 ± 6718
pull
Entries 52
Mean −868
Std Dev 890.6

pull1D
Entries 52
Mean 0.002754
Std Dev 1.077

asym_atr_avg_rms vs run
χ² / ndf 4050 / 51
p0 4809 ± 4.75
7000
6500
6000
5500
5000
4500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 45.82 / 51
p0 −2511 ± 2688
pull
Entries 52
Mean −100.6
Std Dev 138

pull1D
Entries 52
Mean −0.008845
Std Dev 0.9386

dit_asym_atr_dd_rms vs run
χ2 / ndf 7811 / 51
p0 1921 ± 1.901
5500
5000
4500
4000
3500
3000
2500
2000
1500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 61.26 / 51
p0 −5465 ± 6900
pull
Entries 52
Mean −1349
Std Dev 1374

pull1D
Entries 52
Mean −0.001174
Std Dev 1.085

asym_atr_dd_rms vs run
χ2 / ndf 4041 / 51
p0 4940 ± 4.879
7000
6500
6000
5500
5000
4500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 51.69 / 51
p0 109.1 ± 1779
pull
Entries 52
Mean 17.63
Std Dev 43.87
pull1D
Entries 52
Mean −0.02014
Std Dev 0.9968

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 63.9 / 51
p0 −2855 ± 4845
pull
Entries 52
Mean −2170
Std Dev 2196

pull1D
Entries 52
Mean −0.0005878
Std Dev 1.108

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2961 / 51
p0 3471 ± 3.426
4400
4200
4000
3800
3600
3400
3200
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 38.93 / 51
p0 2730 ± 1685
pull
Entries 52
Mean 329.4
Std Dev 302.5
pull1D
Entries 52
Mean −0.005656
Std Dev 0.8653

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 49.02 / 51
p0 2802 ± 2603
pull
Entries 52
Mean 799.4
Std Dev 775.5
pull1D
Entries 52
Mean −0.00254
Std Dev 0.9709

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 4327 / 51
p0 1863 ± 1.84
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

dit_asym_atl1_mean vs run
χ^2 / ndf 46.93 / 51
p0 3535 ± 3366
×10^3
pull
Entries 52
Mean −127.7
Std Dev 160.8

pull1D
Entries 52
Mean −0.01188
Std Dev 0.9499

dit_asym_atl1_rms vs run
χ² / ndf 54.98 / 51
p0 2414 ± 2.38
2500
2480
2460
2440
2420
2400
2380
2360
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atl1_mean vs run
χ² / ndf 37.22 / 51
p0 4077 ± 3721
pull
Entries 52
Mean −52.76
Std Dev 93.53
pull1D
Entries 52
Mean −0.01253
Std Dev 0.846

asym_atl1_rms vs run
χ² / ndf 170.5 / 51
p0 2669 ± 2.631
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atl2_mean vs run
χ² / ndf 51.02 / 51
p0 −1735 ± 2844
pull
Entries 52
Mean 340.6
Std Dev 316.3
pull1D
Entries 52
Mean 0.01201
Std Dev 0.9904

dit_asym_atl2_rms vs run
χ² / ndf 63.42 / 51
p0 2040 ± 2.011
2120
2100
2080
2060
2040
2020
2000
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atl2_mean vs run
×10^3
χ² / ndf 49.74 / 51
p0 3911 ± 7595
pull
Entries 52
Mean −27.73
Std Dev 80.5

pull1D
Entries 52
Mean −0.003094
Std Dev 0.978

asym_atl2_rms vs run
χ² / ndf 2057 / 51
p0 5442 ± 5.37
6200
6000
5800
5600
5400
5200
5000
4800
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 36.8 / 51
p0 −6402 ± 3884
pull
Entries 52
Mean −2447
Std Dev 2466

pull1D
Entries 52
Mean 0.0006407
Std Dev 0.8413

dit_asym_atr1_rms vs run
χ2 / ndf 1.007e+04 / 51
p0 2772 ± 2.746
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

asym_atr1_mean vs run
×10^3
χ² / ndf 33.88 / 51
p0 −5789 ± 3971
pull
Entries 52
Mean −581.3
Std Dev 601.2

pull1D
Entries 52
Mean 0.002677
Std Dev 0.8072

asym_atr1_rms vs run
χ2 / ndf 9917 / 51
p0 2835 ± 2.808
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 47.8 / 51
p0 −641 ± 3771
100
50
0
−50
−100
pull
Entries 52
Mean −1098
Std Dev 1127
3
2
1
0
−1
−2

pull1D
Entries 52
Mean 0.003017
Std Dev 0.9588
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr2_rms vs run
χ² / ndf 101.8 / 51
p0 2705 ± 2.666
2820
2800
2780
2760
2740
2720
2700
2680
2660
2640
2620
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_atr2_mean vs run
×10^3
χ² / ndf 64.15 / 51
p0 5706 ± 1.296e+04
pull
Entries 52
Mean 639
Std Dev 614.9

pull1D
Entries 52
Mean −0.00367
Std Dev 1.111

asym_atr2_rms vs run
χ² / ndf 2672 / 51
p0 9285 ± 9.165
10500
10000
9500
9000
8500
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam1_mean vs run
χ² / ndf 33.36 / 51
p0 −36.58 ± 104
pull
Entries 52
Mean 3.726e+04
Std Dev 3.724e+04

pull1D
Entries 52
Mean 6.422e−05
Std Dev 0.801

dit_asym_sam1_rms vs run
χ² / ndf 94.97 / 51
p0 74.6 ± 0.07354
77
76
75
74
73
72
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam1_mean vs run
χ² / ndf 52.54 / 51
p0 364.5 ± 666.3
pull
Entries 52
Mean −82.24
Std Dev 106.5
pull1D
Entries 52
Mean 0.01102
Std Dev 1.005

asym_sam1_rms vs run
χ² / ndf 1198 / 51
p0 477.6 ± 0.4711
520
500
480
460
440
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam2_mean vs run
χ² / ndf 57.97 / 51
p0 −608.1 ± 458.9
pull
Entries 52
Mean 107.1
Std Dev 97.82
pull1D
Entries 52
Mean 0.01516
Std Dev 1.056

dit_asym_sam2_rms vs run
χ^2 / ndf 1536 / 51
p0 328.9 ± 0.3245
420
400
380
360
340
320
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam2_mean vs run
×10^3
χ² / ndf 59.55 / 51
p0 315.3 ± 6155
pull
Entries 52
Mean 64.03
Std Dev 48.23

pull1D
Entries 52
Mean 0.008872
Std Dev 1.07

asym_sam2_rms vs run
χ² / ndf 2662 / 51
p0 4409 ± 4.352
5000
4800
4600
4400
4200
4000
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam3_mean vs run
χ² / ndf 61.98 / 51
p0 0.7358 ± 192.5
pull
Entries 52
Mean 24.06
Std Dev 14.61

pull1D
Entries 52
Mean 0.03985
Std Dev 1.091

dit_asym_sam3_rms vs run
χ² / ndf 1.961e+04 / 51
p0 136.8 ± 0.1361
280
260
240
220
200
180
160
140
120
100
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam3_mean vs run
×10^3
χ² / ndf 63 / 51
p0 −201.2 ± 3308
pull
Entries 52
Mean 173.5
Std Dev 151.7

pull1D
Entries 52
Mean 0.008924
Std Dev 1.101

asym_sam3_rms vs run
χ² / ndf 2881 / 51
p0 2369 ± 2.339
2700
2600
2500
2400
2300
2200
2100
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam4_mean vs run
χ² / ndf 47.61 / 51
p0 237.5 ± 464.5
pull
Entries 52
Mean −2643
Std Dev 2664
pull1D
Entries 52
Mean 0.00115
Std Dev 0.9569

dit_asym_sam4_rms vs run
χ2 / ndf 1133 / 51
p0 333 ± 0.3285
390
380
370
360
350
340
330
320
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam4_mean vs run
×10^3
χ^2 / ndf 61.58 / 51
p0 −1353 ± 4987
pull
Entries 52
Mean 296.4
Std Dev 273

pull1D
Entries 52
Mean 0.007803
Std Dev 1.088

asym_sam4_rms vs run
χ² / ndf 947.6 / 51
p0 3576 ± 3.527
3900
3800
3700
3600
3500
3400
3300
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam5_mean vs run
χ² / ndf 40.53 / 51
p0 51.8 ± 246.4
pull
Entries 52
Mean −1319
Std Dev 1339
pull1D
Entries 52
Mean 0.003369
Std Dev 0.8829

dit_asym_sam5_rms vs run
χ² / ndf 63.21 / 51
p0 176.7 ± 0.1742
182
180
178
176
174
172
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam5_mean vs run
χ² / ndf 49.07 / 51
p0 −855.8 ± 1678
pull
Entries 52
Mean −214.9
Std Dev 240.2
pull1D
Entries 52
Mean −0.007325
Std Dev 0.9714

asym_sam5_rms vs run
χ² / ndf 1722 / 51
p0 1203 ± 1.187
1300
1250
1200
1150
1100
1050
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam6_mean vs run
χ² / ndf 35.05 / 51
p0 −23.32 ± 212.4
pull
Entries 52
Mean −95.3
Std Dev 117.2

pull1D
Entries 52
Mean 0.02798
Std Dev 0.8205

dit_asym_sam6_rms vs run
χ² / ndf 2048 / 51
p0 152.2 ± 0.1502
190
180
170
160
150
140
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam6_mean vs run
χ² / ndf 56.37 / 51
p0 −604.5 ± 1874
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −19.76
Std Dev 50.02
pull1D
Entries 52
Mean −0.006325
Std Dev 1.041

asym_sam6_rms vs run
χ² / ndf 1747 / 51
p0 1343 ± 1.325
1500
1450
1400
1350
1300
1250
1200
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam7_mean vs run
χ² / ndf 64.64 / 51
p0 −96.24 ± 107.7
pull
Entries 52
Mean 235.5
Std Dev 215.8

pull1D
Entries 52
Mean 0.012
Std Dev 1.115

dit_asym_sam7_rms vs run
χ2 / ndf 743.5 / 51
p0 77.24 ± 0.07617
88
86
84
82
80
78
76
74
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam7_mean vs run
χ² / ndf 63.56 / 51
p0 55.07 ± 1031
pull
Entries 52
Mean 192.5
Std Dev 169.3
pull1D
Entries 52
Mean 0.007666
Std Dev 1.106

asym_sam7_rms vs run
χ² / ndf 2975 / 51
p0 738.2 ± 0.7288
850
800
750
700
650
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_asym_sam8_mean vs run
χ² / ndf 58.93 / 51
p0 227.2 ± 94.22
pull
Entries 52
Mean −100.8
Std Dev 120.3

pull1D
Entries 52
Mean −0.01381
Std Dev 1.064

dit_asym_sam8_rms vs run
χ2 / ndf 1133 / 51
p0 67.55 ± 0.06662
80
78
76
74
72
70
68
66
64
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

asym_sam8_mean vs run
χ² / ndf 62.15 / 51
p0 519 ± 731.1
pull
Entries 52
Mean 279.7
Std Dev 254.2
pull1D
Entries 52
Mean 0.005159
Std Dev 1.093

asym_sam8_rms vs run
χ² / ndf 2207 / 51
p0 523.9 ± 0.517
600
580
560
540
520
500
480
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5961. 0
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5964. 0
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_usl_4aX_slope vs run
χ² / ndf 3.329e−25 / 51
p0 −221.6 ± 0.5912
−218
−220
−222
−224
−226
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 52
Mean −8.001e−14
Std Dev 2.934e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 1.951e−26 / 51
p0 179.6 ± 0.6104
184
182
180
178
176
pull
Entries 52
Mean 26
Std Dev 15.01
$\times 10^{-15}$
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.937e−14
Std Dev 7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 0 / 51
p0 −41.3 ± 0.03351
−41.1
−41.2
−41.3
−41.4
−41.5
pull
Entries 52
Mean 0
Std Dev 0

pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ² / ndf 2.095e−27 / 51
p0 −2.228 ± 0.05822
−1.8
−2
−2.2
−2.4
−2.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

pull1D
Entries 52
Mean −6.347e−15
Std Dev 1.981e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ2 / ndf 2.733e−25 / 51
p0 22.64 ± 0.04078
22.9
22.8
22.7
22.6
22.5
22.4
22.3
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 52
Mean −7.249e−14
Std Dev2.396e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ² / ndf 1.277e−24 / 51
p0 −321.8 ± 0.3521
−319
−320
−321
−322
−323
−324
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 52
Mean −1.567e−13
Std Dev 4.15e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ² / ndf 2.17e−25 / 51
p0 407.8 ± 0.3661
410
409
408
407
406
405
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
60
50
40
30
20
10
0

pull1D
Entries 52
Mean 6.46e−14
Std Dev 3.788e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run

dit_usr_4aY_slope vs run
χ² / ndf 1.027e−28 / 51
p0 −0.525 ± 0.05479
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.405e−15
Std Dev 4.185e−23

dit_usr_4eY_slope vs run
χ² / ndf 1.353e−26 / 51
p0 16.92 ± 0.06108
17.4
17.2
17
16.8
16.6
16.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 52
Mean −1.613e−14
Std Dev 5.603e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ^2 / ndf 3.522e−27 / 51
p0 −140 ± 1.916
−125
−130
−135
−140
−145
−150
−155
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
8
7
6
5
4
3
2
1
0

pull1D
Entries 52
Mean 8.23e−15
Std Dev 4.101e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ2 / ndf 1.892e−27 / 51
p0 190.8 ± 1.96
205
200
195
190
185
180
175
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−1
−2
−3
−4
−5
−6

pull1D
Entries 52
Mean −6.033e−15
Std Dev1.674e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.768e−26 / 51
p0 −22.5 ± 0.1336
−21.5
−22
−22.5
−23
−23.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.844e−14
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 5.702e−28 / 51
p0 9.122 ± 0.1488
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 3.311e−15
Std Dev 1.543e−22

dit_atl1_4eY_slope vs run
χ^2 / ndf 5.494e−27 / 51
p0 −16.15 ± 0.1438
−15
−15.5
−16
−16.5
−17
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 52
Mean −1.028e−14
Std Dev 2.593e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ² / ndf 7.743e−26 / 51
p0 −1335 ± 0.8171
−1328
−1330
−1332
−1334
−1336
−1338
−1340
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 52
Mean −3.859e−14
Std Dev 1.527e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ² / ndf 3.7e−24 / 51
p0 1375 ± 0.8275
1382
1380
1378
1376
1374
1372
1370
1368
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 52
Mean −2.667e−13
Std Dev 1.071e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 3.796e−24 / 51
p0 −211 ± 0.07294
−210.4
−210.6
−210.8
−211
−211.2
−211.4
−211.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-12
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 52
Mean 2.702e−13
Std Dev1.222e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 51
p0 −12.87 ± 0.137
−12
−12.5
−13
−13.5
−14
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ^2 / ndf 8.065e−26 / 51
p0 109.3 ± 0.1501
110.5
110
109.5
109
108.5
108
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
40
35
30
25
20
15
10
5
0

pull1D
Entries 52
Mean 3.938e−14
Std Dev 1.405e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 9.265e−27 / 51
p0 −187.2 ± 1.181
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.335e−14
Std Dev 4.235e−22

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.382e−26 / 51
p0 143.3 ± 1.209
152
150
148
146
144
142
140
138
136
134
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 52
Mean −1.63e−14
Std Dev 5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.501e−27 / 51
p0 12.46 ± 0.2486
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 6.936e−15
Std Dev 4.032e−22

dit_atr1_4eY_slope vs run
χ² / ndf 1.221e−26 / 51
p0 −21.58 ± 0.2572
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.532e−14
Std Dev7.023e−22

dit_atr2_4aX_slope vs run
χ^2 / ndf 9.041e−24 / 51
p0 −1798 ± 1.512
−1785
−1790
−1795
−1800
−1805
−1810
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

pull1D
Entries 52
Mean −4.17e−13
Std Dev 8.299e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 1.937e−25 / 51
p0 2045 ± 1.55
2055
2050
2045
2040
2035
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 52
Mean −6.103e−14
Std Dev2.809e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 0 / 51
p0 −266.7 ± 0.1375
pull
Entries 52
Mean 0
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_4aY_slope vs run
χ² / ndf 0 / 51
p0 −16.93 ± 0.1739
−15.5
−16
−16.5
−17
−17.5
−18
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 7.924e−25 / 51
p0 136.3 ± 0.1277
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.234e−13
Std Dev5.082e−21

dit_sam1_4aX_slope vs run
χ^2 / ndf 0 / 51
p0 0.4207 ± 0.1502
pull
Entries 52
Mean 0
Std Dev 0

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_4eX_slope vs run
χ^2 / ndf 5.417e−28 / 51
p0 −10.91 ± 0.1526
−10
−10.5
−11
−11.5
−12
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 3.228e−15
Std Dev 8.37e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ^2 / ndf 1.808e−25 / 51
p0 −53.8 ± 0.01671
−53.7
−53.75
−53.8
−53.85
−53.9
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15

pull1D
Entries 52
Mean 5.897e−14
Std Dev2.541e−21

dit_sam1_4eY_slope vs run
χ^2 / ndf 8.435e−26 / 51
p0 10.08 ± 0.01835
10.2
10.15
10.1
10.05
10
9.95
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 52
Mean −4.028e−14
Std Dev1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run
χ^2 / ndf 6.911e−28 / 51
p0 38.89 ± 1.622
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 3.645e−15
Std Dev 1.297e−22

dit_sam2_4eX_slope vs run
χ² / ndf 4.76e−27 / 51
p0 −265.2 ± 1.648
−255
−260
−265
−270
−275
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
10
8
6
4
2
0

pull1D
Entries 52
Mean 9.567e−15
Std Dev 3.348e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run
χ2 / ndf 7.385e−26 / 51
p0 16.47 ± 0.02615
16.65
16.6
16.55
16.5
16.45
16.4
16.35
16.3
16.25
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 52
Mean −3.769e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ2 / ndf 4.773e−24 / 51
p0 −223.9 ± 0.1041
−223.2
−223.4
−223.6
−223.8
−224
−224.2
−224.4
−224.6
−224.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10−12
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 52
Mean 3.03e−13
Std Dev 1.071e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run

dit_sam3_4eX_slope vs run
χ2 / ndf 3.78e−29 / 51
p0 −105.4 ± 2.311
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 8.526e−16
Std Dev 2.093e−23

dit_sam3_11X12X_slope vs run
χ^2 / ndf 1.983e−28 / 51
p0 1.643 ± 0.1261
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.953e−15
Std Dev 8.779e−23

dit_sam3_4aY_slope vs run
χ² / ndf 1.693e−26 / 51
p0 −7 ± 0.04096
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.804e−14
Std Dev 7.923e−22

dit_sam3_4eY_slope vs run
χ2 / ndf 3.054e−26 / 51
p0 31.26 ± 0.08131
31.8
31.6
31.4
31.2
31
30.8
30.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−5
−10
−15
−20
−25

pull1D
Entries 52
Mean −2.424e−14
Std Dev1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.527e−28 / 51
p0 22.5 ± 2.875
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.714e−15
Std Dev 2.647e−23

dit_sam4_4eX_slope vs run
χ² / ndf 3.777e−28 / 51
p0 −245.9 ± 2.925
−230
−240
−250
−260
−270
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 2.695e−15
Std Dev 1.588e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run
χ^2 / ndf 9.116e−29 / 51
p0 2.377 ± 0.1395
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.324e−15
Std Dev 6.208e−23

dit_sam4_4aY_slope vs run
χ^2 / ndf 0 / 51
p0 −29.08 ± 0.09292
−28.4
−28.6
−28.8
−29
−29.2
−29.4
−29.6
−29.8
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run

dit_sam5_4aX_slope vs run

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.137e−28 / 51
p0 −4.211 ± 0.2499
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.479e−15
Std Dev7.249e−23

dit_sam5_11X12X_slope vs run
χ^2 / ndf 9.137e−28 / 51
p0 0.4784 ± 0.01285
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −4.192e−15
Std Dev 1.297e−22

dit_sam5_4aY_slope vs run
χ2 / ndf 4.237e−26 / 51
p0 32.63 ± 0.03452
32.9
32.8
32.7
32.6
32.5
32.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−5
−10
−15
−20
−25

pull1D
Entries 52
Mean −2.855e−14
Std Dev 7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ^2 / ndf 8.763e−25 / 51
p0 131.5 ± 0.06072
132
131.8
131.6
131.4
131.2
131
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 52
Mean 1.298e−13
Std Dev 4.15e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run
χ² / ndf 3.025e−27 / 51
p0 50.68 ± 0.6459
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −7.628e−15
Std Dev 3.348e−22

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run
χ^2 / ndf 4.017e−28 / 51
p0 1.819 ± 0.04432
2.2
2.1
2
1.9
1.8
1.7
1.6
1.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 52
Mean −2.779e−15
Std Dev 9.169e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ^2 / ndf 2.876e−26 / 51
p0 21.97 ± 0.02095
22.1
22.05
22
21.95
21.9
21.85
21.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15

pull1D
Entries 52
Mean 2.352e−14
Std Dev7.336e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ² / ndf 1.185e−25 / 51
p0 86.48 ± 0.08256
87
86.8
86.6
86.4
86.2
86
85.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
50
40
30
20
10
0

pull1D
Entries 52
Mean 4.774e−14
Std Dev 2.47e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run

dit_sam7_4eX_slope vs run
χ^2 / ndf 0 / 51
p0 −138.6 ± 0.3093
−136
−137
−138
−139
−140
−141
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run
χ^2 / ndf 4.283e−28 / 51
p0 0.6817 ± 0.01609
0.8
0.75
0.7
0.65
0.6
0.55
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 2.87e−15
Std Dev 9.169e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aY_slope vs run
χ² / ndf 6.01e−25 / 51
p0 7.093 ± 0.005728
7.14
7.13
7.12
7.11
7.1
7.09
7.08
7.07
7.06
7.05
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 52
Mean −1.075e−13
Std Dev3.973e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 2.196e−26 / 51
p0 −12.36 ± 0.01199
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −2.055e−14
Std Dev 0

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.487e−26 / 51
p0 61.36 ± 0.2913
63
62
61
60
59
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 52
Mean −1.691e−14
Std Dev 6.353e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 8.198e−26 / 51
p0 −98.78 ± 0.2978
−97
−98
−99
−100
−101
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 52
Mean −3.971e−14
Std Dev 1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 3.218e−28 / 51
p0 0.5734 ± 0.01238
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −2.488e−15
Std Dev 1.123e−22

dit_sam8_4aY_slope vs run
χ² / ndf 6.959e−23 / 51
p0 −52.96 ± 0.004259
−52.93
−52.94
−52.95
−52.96
−52.97
−52.98
−52.99
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 52
Mean 1.157e−12
Std Dev 4.886e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run
χ2 / ndf 3.136e−23 / 51
p0 62.74 ± 0.02157
62.9
62.85
62.8
62.75
62.7
62.65
62.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

pull1D
Entries 52
Mean −7.766e−13
Std Dev 2.711e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_mean vs run
χ^2 / ndf 3.068e+35 / 51
p0 −310.3 ± 1.387e−16
pull
Entries 52
Mean 1.674e+09
Std Dev 1.674e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil1_err_mean vs run

dit_4aX_coil1_Ndata_mean vs run

dit_4eX_coil1_mean vs run
χ² / ndf 3.131e+35 / 51
p0 −313.5 ± 1.387e−16
pull
Entries 52
Mean 1.125e+09
Std Dev 1.125e+09
pull1D
Entries 52
Mean 0
Std Dev 0

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 4.875e+31 / 51
p0 3.682 ± 1.387e−16
pull
Entries 52
Mean −6.026e+08
Std Dev 6.026e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run

dit_4aY_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil1_mean vs run
χ² / ndf 1.056e+32 / 51
p0 5.562 ± 1.387e−16
pull
Entries 52
Mean 3.052e+08
Std Dev 3.052e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil1_err_mean vs run

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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 / 51
p0 2.159e+04 ± 1.387e−16
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean 5.828e+08
Std Dev 5.828e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil1_err_mean vs run
χ² / ndf 1.577e+35 / 51
p0 185 ± 1.387e−16
pull
Entries 52
Mean −9.014e+09
Std Dev 9.014e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_mean vs run
χ² / ndf inf / 51
p0 −1.874e+04 ± 1.387e−16
pull
Entries 52
Mean 1.658e+09
Std Dev 1.658e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil1_err_mean vs run

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 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 / 51
p0 −1.155e+04 ± 1.387e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 52
Mean −3.163e+09
Std Dev 3.163e+09
×10^18
12
10
8
6
4
2
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_err_mean vs run
χ² / ndf 5.915e+35 / 51
p0 345.7 ± 1.387e−16
pull
Entries 52
Mean 3.333e+08
Std Dev 3.333e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil1_Ndata_mean vs run

dit_atl2_coil1_mean vs run
χ² / ndf inf / 51
p0 2.949e+04 ± 1.387e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean 1.519e+10
Std Dev 1.519e+10
×10^18
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_err_mean vs run
χ² / ndf 3.338e+36 / 51
p0 806.9 ± 1.387e−16
pull
Entries 52
Mean −3.326e+08
Std Dev 3.326e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil1_Ndata_mean vs run

dit_atr1_coil1_mean vs run
χ² / ndf inf / 51
p0 1.886e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean −9.379e+08
Std Dev 9.379e+08
×10¹⁸
pull1D
Entries 52
Mean 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 5.317e+35 / 51
p0 336.3 ± 1.387e−16
pull
Entries 52
Mean −2.549e+09
Std Dev 2.549e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_mean vs run
χ² / ndf inf / 51
p0 −2.469e+04 ± 1.387e−16
pull
Entries 52
Mean −2.951e+09
Std Dev 2.951e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil1_err_mean vs run
χ² / ndf 1.141e+37 / 51
p0 1476 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 4.1e+08
Std Dev 4.1e+08
×10¹⁵
500
0
−500
−1000
−1500

pull1D
Entries 52
Mean 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
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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 2.959e+37 / 51
p0 3041± 1.387e−16
pull
Entries 52
Mean −7.963e+08
Std Dev 7.963e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.583e+34 / 51
p0 58.64 ± 1.387e−16
pull
Entries 52
Mean −2.889e+08
Std Dev 2.889e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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
χ² / ndf inf / 51
p0 6.926e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −2.998e+09
Std Dev 2.998e+09
×10¹⁸
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 52
Mean 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 2.853e+36 / 51
p0 783.9 ± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean −3.273e+08
Std Dev 3.273e+08
×10¹⁵
200
0
−200
−400
−600
−800

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_mean vs run
χ² / ndf inf / 51
p0 4.396e+04 ± 1.387e−16
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −1.366e+09
Std Dev 1.366e+09
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_err_mean vs run
χ² / ndf 1.427e+36 / 51
p0 513.2 ± 1.387e−16
pull
Entries 52
Mean 7.341e+08
Std Dev 7.341e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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
χ² / ndf inf / 51
p0 7.128e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −1.667e+09
Std Dev 1.667e+09
×10¹⁸
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_err_mean vs run
χ^2 / ndf 4.028e+36 / 51
p0 754.3 ± 1.387e−16
pull
Entries 52
Mean 7.593e+08
Std Dev 7.593e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 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 2.495e+35 / 51
p0 131.8 ± 1.387e−16
pull
Entries 52
Mean 6.689e+08
Std Dev 6.689e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.482e+35 / 51
p0 156.3 ± 1.387e−16
pull
Entries 52
Mean 4.922e+09
Std Dev 4.922e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_mean vs run
χ2 / ndf inf / 51
p0 −1.638e+04 ± 1.387e−16
pull
Entries 52
Mean −6.259e+08
Std Dev 6.259e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil1_err_mean vs run
χ² / ndf 2.808e+35 / 51
p0 257.6 ± 1.387e−16
pull
Entries 52
Mean 1.348e+10
Std Dev 1.348e+10

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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 / 51
p0 1.59e+04 ± 1.387e−16
pull
Entries 52
Mean 7.901e+08
Std Dev 7.901e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil1_err_mean vs run
χ^2 / ndf 1.175e+35 / 51
p0 147.5 ± 1.387e−16
200
150
100
50
0
pull
Entries 52
Mean −4.189e+08
Std Dev 4.189e+08
×10^15
50
0
−50
−100
−150

pull1D
Entries 52
Mean 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
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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 / 51
p0 1.197e+04 ± 1.387e−16
pull
Entries 52
Mean −1.011e+09
Std Dev 1.011e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil1_err_mean vs run
χ² / ndf 6.922e+34 / 51
p0 107.6 ± 1.387e−16
pull
Entries 52
Mean 3.911e+08
Std Dev 3.911e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.304e+37 / 51
p0 1176 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −2.371e+09
Std Dev 2.371e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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

dit_4aX_coil3_err_mean vs run

dit_4aX_coil3_Ndata_mean vs run

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run

dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run

dit_11X12X_coil3_err_mean vs run

dit_11X12X_coil3_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ² / ndf 4.992e+31 / 51
p0 3.887 ± 1.387e−16
pull
Entries 52
Mean 2.732e+09
Std Dev 2.732e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 6.813e+30 / 51
p0 0.4325 ± 1.387e−16
pull
Entries 52
Mean 4.082e+08
Std Dev 4.082e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil3_Ndata_mean vs run

dit_4eY_coil3_mean vs run
χ^2 / ndf 5.982e+31 / 51
p0 4.249 ± 1.387e−16
pull
Entries 52
Mean 2.371e+09
Std Dev 2.371e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run
χ2 / ndf 6.31e+30 / 51
p0 0.4162 ± 1.387e−16
pull
Entries 52
Mean −3.934e+08
Std Dev 3.934e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil3_Ndata_mean vs run

dit_usl_coil3_mean vs run
χ² / ndf 3.274e+37 / 51
p0 3197 ± 1.387e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 52
Mean −5.655e+09
Std Dev 5.655e+09
×10¹⁵
0
−500
−1000
−1500
−2000
−2500
−3000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_err_mean vs run
χ² / ndf 1.861e+35 / 51
p0 111.9 ± 1.387e−16
pull
Entries 52
Mean −1.095e+09
Std Dev 1.095e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run

dit_usr_coil3_mean vs run
χ² / ndf 2.229e+37 / 51
p0 −2633 ± 1.387e−16
pull
Entries 52
Mean −1.05e+09
Std Dev 1.05e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil3_err_mean vs run

dit_usr_coil3_Ndata_mean vs run

dit_atl1_coil3_mean vs run
χ² / ndf 7.454e+36 / 51
p0 −1410 ± 1.387e−16
pull
Entries 52
Mean −2.652e+09
Std Dev 2.652e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil3_err_mean vs run

dit_atl1_coil3_Ndata_mean vs run

dit_atl2_coil3_mean vs run
χ² / ndf 6.614e+37 / 51
p0 4544 ± 1.387e−16
5000
4000
3000
2000
1000
0
pull
Entries 52
Mean −2.81e+09
Std Dev 2.81e+09
×10¹⁵
0
−1000
−2000
−3000
−4000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil3_err_mean vs run
χ² / ndf 7.843e+35 / 51
p0 365.2 ± 1.387e−16
pull
Entries 52
Mean 1.19e+09
Std Dev 1.19e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil3_Ndata_mean vs run

dit_atr1_coil3_mean vs run
χ² / ndf 1.763e+37 / 51
p0 2296 ± 1.387e−16
pull
Entries 52
Mean −8.663e+08
Std Dev 8.663e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil3_err_mean vs run

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf 2.93e+37 / 51
p0 −2935 ± 1.387e−16
pull
Entries 52
Mean 1.257e+10
Std Dev 1.257e+10
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil3_err_mean vs run
χ² / ndf 1.642e+36 / 51
p0 615.7 ± 1.387e−16
pull
Entries 52
Mean −4.804e+07
Std Dev 4.804e+07

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil3_Ndata_mean vs run

dit_sam1_coil3_mean vs run
χ² / ndf 1.75e+35 / 51
p0 221.9 ± 1.387e−16
pull
Entries 52
Mean 7.354e+08
Std Dev 7.354e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil3_err_mean vs run

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_mean vs run
χ^2 / ndf 2.185e+38 / 51
p0 8256 ± 1.387e−16
8000
6000
4000
2000
0
pull
Entries 52
Mean −1.744e+09
Std Dev 1.744e+09
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
−8000

pull1D
Entries 52
Mean 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 8.437e+35 / 51
p0 384.5 ± 1.387e−16
pull
Entries 52
Mean −1.251e+09
Std Dev 1.251e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf 9.479e+37 / 51
p0 5398 ± 1.387e−16
pull
Entries 52
Mean 2.866e+09
Std Dev 2.866e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil3_err_mean vs run
χ² / ndf 7.249e+35 / 51
p0 262.4 ± 1.387e−16
pull
Entries 52
Mean −1.829e+09
Std Dev 1.829e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf 3.334e+38 / 51
p0 1.019e+04 ± 1.387e−16
pull
Entries 52
Mean 8.197e+08
Std Dev 8.197e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil3_err_mean vs run
χ² / ndf 3.01e+36 / 51
p0 413 ± 1.387e−16
pull
Entries 52
Mean −1.542e+09
Std Dev 1.542e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil3_mean vs run
χ² / ndf 1.257e+36 / 51
p0 620 ± 1.387e−16
pull
Entries 52
Mean 7.137e+08
Std Dev 7.137e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil3_err_mean vs run
χ² / ndf 1.406e+35 / 51
p0 69.26 ± 1.387e−16
pull
Entries 52
Mean −3.652e+08
Std Dev 3.652e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_mean vs run
χ^2 / ndf 6.674e+36 / 51
p0 –1423 ± 1.387e–16
pull
Entries 52
Mean –1.435e+09
Std Dev 1.435e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil3_err_mean vs run
χ² / ndf 5.008e+34 / 51
p0 106.8 ± 1.387e−16
pull
Entries 52
Mean −5.873e+09
Std Dev 5.873e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_mean vs run
χ^2 / ndf 2.18e+37 / 51
p0 2615 ± 1.387e−16
pull
Entries 52
Mean 9.286e+08
Std Dev 9.286e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil3_err_mean vs run
χ² / ndf 5.232e+34 / 51
p0 86.05 ± 1.387e−16
pull
Entries 52
Mean 1.218e+09
Std Dev 1.218e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ^2 / ndf 1.258e+37 / 51
p0 1986 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −4.697e+09
Std Dev 4.697e+09
×10^15
0
−500
−1000
−1500
−2000

pull1D
Entries 52
Mean 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 3.365e+34 / 51
p0 64.77 ± 1.387e−16
pull
Entries 52
Mean 7.476e+08
Std Dev 7.476e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 1.184e+37 / 51
p0 1224 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.385e+09
Std Dev 1.385e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil7_mean vs run
χ² / ndf 3.201e+35 / 51
p0 281.9 ± 1.387e−16
pull
Entries 52
Mean −8.817e+08
Std Dev 8.817e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil7_err_mean vs run

dit_4aX_coil7_Ndata_mean vs run

dit_4eX_coil7_mean vs run
χ² / ndf 2.696e+35 / 51
p0 258.7 ± 1.387e−16
pull
Entries 52
Mean −3.026e+08
Std Dev 3.026e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eX_coil7_err_mean vs run

dit_4eX_coil7_Ndata_mean vs run

dit_11X12X_coil7_mean vs run

dit_11X12X_coil7_err_mean vs run

dit_11X12X_coil7_Ndata_mean vs run

dit_4aY_coil7_mean vs run
χ^2 / ndf 4.114e+32 / 51
p0 −10.22 ± 1.387e−16
pull
Entries 52
Mean 8.544e+08
Std Dev 8.544e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run

dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
χ2 / ndf 3.024e+32 / 51
p0 −8.847 ± 1.387e−16
pull
Entries 52
Mean −1.909e+09
Std Dev 1.909e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run

dit_4eY_coil7_Ndata_mean vs run

dit_usl_coil7_mean vs run
χ² / ndf 1.176e+37 / 51
p0 1831± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.49e+10
Std Dev 1.49e+10
×10¹⁵
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

pull1D
Entries 52
Mean 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 7.817e+35 / 51
p0 399.1± 1.387e−16
pull
Entries 52
Mean −9.535e+08
Std Dev 9.535e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil7_Ndata_mean vs run

dit_usr_coil7_mean vs run
χ² / ndf inf / 51
p0 3.312e+04 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil7_err_mean vs run
χ² / ndf 1.903e+36 / 51
p0 676.3 ± 1.387e−16
pull
Entries 52
Mean −1.824e+09
Std Dev 1.824e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 7.597e+36 / 51
p0 846.2 ± 1.387e−16
pull
Entries 52
Mean −1.814e+09
Std Dev 1.814e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil7_mean vs run
χ² / ndf inf / 51
p0 1.963e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean −3.941e+08
Std Dev 3.941e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 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

dit_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
χ² / ndf inf / 51
p0 7.113e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −8.193e+09
Std Dev 8.193e+09
×10¹⁸
10
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_err_mean vs run

dit_atl2_coil7_Ndata_mean vs run

dit_atr1_coil7_mean vs run
χ² / ndf 5.525e+37 / 51
p0 –3836 ± 1.387e–16
pull
Entries 52
Mean 2.002e+09
Std Dev 2.002e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil7_err_mean vs run
χ² / ndf 1.675e+36 / 51
p0 647.7 ± 1.387e−16
800
600
400
200
0
pull
Entries 52
Mean 5.976e+09
Std Dev 5.976e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_Ndata_mean vs run

dit_atr2_coil7_mean vs run
χ^2 / ndf inf / 51
p0 1.383e+05 ± 1.387e−16
pull
Entries 52
Mean 4.161e+08
Std Dev 4.161e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil7_err_mean vs run
χ^2 / ndf 2.938e+37 / 51
p0 2725 ± 1.387e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 52
Mean 2.175e+09
Std Dev 2.175e+09
1000
500
0
−500
−1000
−1500
−2000
−2500

pull1D
Entries 52
Mean 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 2.476e+37 / 51
p0 −2466 ± 1.387e−16
pull
Entries 52
Mean 8.992e+08
Std Dev 8.992e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil7_err_mean vs run
χ² / ndf 4.165e+34 / 51
p0 101.3 ± 1.387e−16
pull
Entries 52
Mean 4.685e+08
Std Dev 4.685e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 7.597e+36 / 51
p0 846.2 ± 1.387e−16
pull
Entries 52
Mean −1.814e+09
Std Dev 1.814e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil7_mean vs run
χ2 / ndf inf / 51
p0 −5.722e+04 ± 1.387e−16
pull
Entries 52
Mean −3.439e+08
Std Dev 3.439e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil7_err_mean vs run
χ² / ndf 8.462e+36 / 51
p0 1454 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −4.329e+08
Std Dev 4.329e+08
500
0
−500
−1000
−1500

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_Ndata_mean vs run

dit_sam3_coil7_mean vs run
χ² / ndf inf / 51
p0 −3.83e+04 ± 1.387e−16
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean 6.849e+08
Std Dev 6.849e+08
×10¹⁸
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil7_err_mean vs run
χ² / ndf 6.405e+36 / 51
p0 977.7 ± 1.387e−16
pull
Entries 52
Mean 1.282e+08
Std Dev 1.282e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil7_Ndata_mean vs run

dit_sam4_coil7_mean vs run
χ² / ndf inf / 51
p0 −6.081e+04 ± 1.387e−16
pull
Entries 52
Mean 7.119e+08
Std Dev 7.119e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil7_err_mean vs run
χ² / ndf 9.898e+36 / 51
p0 1360 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.41e+08
Std Dev 1.41e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 52
Mean 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_Ndata_mean vs run

dit_sam5_coil7_mean vs run
χ^2 / ndf 4.564e+36 / 51
p0 –1042 ± 1.387e–16
pull
Entries 52
Mean –3.55e+08
Std Dev 3.55e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil7_err_mean vs run
χ² / ndf 2.233e+35 / 51
p0 238.8 ± 1.387e−16
pull
Entries 52
Mean −7.705e+08
Std Dev 7.705e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 7.597e+36 / 51
p0 846.2 ± 1.387e−16
pull
Entries 52
Mean −1.814e+09
Std Dev 1.814e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil7_mean vs run
χ² / ndf inf / 51
p0 1.315e+04 ± 1.387e−16
pull
Entries 52
Mean −9.845e+08
Std Dev 9.845e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil7_err_mean vs run
χ² / ndf 7.844e+35 / 51
p0 424.2 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil7_Ndata_mean vs run

dit_sam7_coil7_mean vs run
χ2 / ndf inf / 51
p0 −1.125e+04 ± 1.387e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 52
Mean −1.299e+09
Std Dev 1.299e+09
×10^15
10000
8000
6000
4000
2000
0
pull1D
Entries 52
Mean 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
χ² / ndf 6.48e+35 / 51
p0 287.2 ± 1.387e−16
pull
Entries 52
Mean −4.279e+08
Std Dev 4.279e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 7.597e+36 / 51
p0 846.2 ± 1.387e−16
pull
Entries 52
Mean −1.814e+09
Std Dev 1.814e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil7_mean vs run
χ² / ndf 2.928e+38 / 51
p0 –8527 ± 1.387e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 52
Mean –4.257e+08
Std Dev 4.257e+08
×10¹⁵
8000
6000
4000
2000
0
pull1D
Entries 52
Mean 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
χ^2 / ndf 2.151e+35 / 51
p0 196.6 ± 1.387e−16
pull
Entries 52
Mean −6.459e+07
Std Dev 6.459e+07

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 7.597e+36 / 51
p0 846.2 ± 1.387e−16
pull
Entries 52
Mean −1.814e+09
Std Dev 1.814e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil4_mean vs run
χ² / ndf 9.439e+31 / 51
p0 0.1902 ± 1.387e−16
pull
Entries 52
Mean 7.039e+08
Std Dev 7.039e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil4_err_mean vs run

dit_4aX_coil4_Ndata_mean vs run

dit_4eX_coil4_mean vs run

dit_4eX_coil4_err_mean vs run

dit_4eX_coil4_Ndata_mean vs run

dit_11X12X_coil4_mean vs run

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run

dit_4aY_coil4_mean vs run
χ² / ndf 8.914e+34 / 51
p0 159.4 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil4_err_mean vs run

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_mean vs run
χ^2 / ndf 9.201e+34 / 51
p0 165.6 ± 1.387e−16
pull
Entries 52
Mean 1.31e+09
Std Dev 1.31e+09

pull1D
Entries 52
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 5.066e+37 / 51
p0 3889 ± 1.387e−16
4000
3000
2000
1000
0
pull
Entries 52
Mean −4.733e+09
Std Dev 4.733e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_err_mean vs run
χ² / ndf 6.324e+35 / 51
p0 241.7 ± 1.387e−16
pull
Entries 52
Mean −2.218e+09
Std Dev 2.218e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf 4.949e+37 / 51
p0 3799 ± 1.387e−16
4000
3000
2000
1000
0
pull
Entries 52
Mean −7.24e+09
Std Dev 7.24e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

pull1D
Entries 52
Mean 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_err_mean vs run

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil4_mean vs run
χ² / ndf 5.246e+36 / 51
p0 −671.2 ± 1.387e−16
pull
Entries 52
Mean −9.74e+08
Std Dev 9.74e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil4_err_mean vs run

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil4_mean vs run
χ² / ndf inf / 51
p0 1.972e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean 9.118e+08
Std Dev 9.118e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 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 6.398e+36 / 51
p0 951.5 ± 1.387e−16
pull
Entries 52
Mean 3.812e+08
Std Dev 3.812e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf 8.597e+36 / 51
p0 −1186 ± 1.387e−16
pull
Entries 52
Mean −8.318e+07
Std Dev 8.318e+07

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil4_err_mean vs run

dit_atr1_coil4_Ndata_mean vs run

dit_atr2_coil4_mean vs run
χ² / ndf inf / 51
p0 2.526e+04 ± 1.387e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean 1.478e+10
Std Dev 1.478e+10
×10¹⁸
0
−5
−10
−15
−20
−25

pull1D
Entries 52
Mean 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 2.142e+37 / 51
p0 1680 ± 1.387e−16
pull
Entries 52
Mean 5.991e+08
Std Dev 5.991e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil4_mean vs run

dit_sam1_coil4_err_mean vs run
χ² / ndf 6.519e+34 / 51
p0 82.29 ± 1.387e−16
pull
Entries 52
Mean 2.281e+08
Std Dev 2.281e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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 / 51
p0 −3.522e+04 ± 1.387e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
pull
Entries 52
Mean −1.181e+09
Std Dev 1.181e+09
×10^18
35
30
25
20
15
10
5
0
−5
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_err_mean vs run
χ² / ndf 7.626e+36 / 51
p0 987.8 ± 1.387e−16
pull
Entries 52
Mean 1.154e+09
Std Dev 1.154e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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
χ^2 / ndf 4.866e+37 / 51
p0 3778 ± 1.387e−16
4000
3000
2000
1000
0
pull
Entries 52
Mean −1.485e+09
Std Dev 1.485e+09
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_err_mean vs run
χ² / ndf 3.783e+36 / 51
p0 615 ± 1.387e−16
pull
Entries 52
Mean −1.056e+09
Std Dev 1.056e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf inf / 51
p0 4.625e+04 ± 1.387e−16
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −1.551e+09
Std Dev 1.551e+09
×10¹⁸
0
−10
−20
−30
−40

pull1D
Entries 52
Mean 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

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 52
Mean 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 / 51
p0 2.701e+04 ± 1.387e−16
pull
Entries 52
Mean −7.088e+08
Std Dev 7.088e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil4_err_mean vs run
χ² / ndf 5.607e+35 / 51
p0 204.3 ± 1.387e−16
pull
Entries 52
Mean −4.435e+08
Std Dev 4.435e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ² / ndf inf / 51
p0 1.783e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean 2.188e+09
Std Dev 2.188e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 52
Mean 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 6.989e+35 / 51
p0 304.9 ± 1.387e−16
pull
Entries 52
Mean 1.243e+09
Std Dev 1.243e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_mean vs run
χ^2 / ndf 5.552e+36 / 51
p0 –1280 ± 1.387e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 52
Mean 4.856e+08
Std Dev 4.856e+08
×10^15
1200
1000
800
600
400
200
0
–200

pull1D
Entries 52
Mean 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 2.972e+35 / 51
p0 176.6 ± 1.387e−16
pull
Entries 52
Mean −1.426e+09
Std Dev 1.426e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_mean vs run
χ^2 / ndf 9.893e+36 / 51
p0 1700 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 2.908e+09
Std Dev 2.908e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.687e+35 / 51
p0 130.1± 1.387e−16
pull
Entries 52
Mean −1.391e+09
Std Dev 1.391e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 2.093e+37 / 51
p0 1206 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.996e+08
Std Dev 3.996e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 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_coil6_mean vs run
χ^2 / ndf 1.847e+32 / 51
p0 4.842 ± 1.387e−16
pull
Entries 52
Mean −6.661e+06
Std Dev 6.661e+06
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil6_err_mean vs run

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil6_mean vs run
χ² / ndf 1.376e+32 / 51
p0 3.846 ± 1.387e−16
pull
Entries 52
Mean −1.275e+07
Std Dev 1.275e+07
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil6_mean vs run

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ^2 / ndf 3.975e+33 / 51
p0 32.66 ± 1.387e−16
pull
Entries 52
Mean 1.594e+09
Std Dev 1.594e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil6_err_mean vs run

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil6_mean vs run
χ² / ndf 1.995e+33 / 51
p0 −25.01 ± 1.387e−16
pull
Entries 52
Mean −1.087e+09
Std Dev 1.087e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil6_err_mean vs run
χ² / ndf 9.995e+29 / 51
p0 0.4834 ± 1.387e−16
pull
Entries 52
Mean −2.729e+08
Std Dev 2.729e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil6_Ndata_mean vs run

dit_usl_coil6_mean vs run
χ² / ndf 5.402e+36 / 51
p0 −1252 ± 1.387e−16
pull
Entries 52
Mean −2.717e+09
Std Dev 2.717e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil6_err_mean vs run

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_mean vs run
χ² / ndf 2.759e+36 / 51
p0 −683.5 ± 1.387e−16
pull
Entries 52
Mean −3.098e+09
Std Dev 3.098e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil6_err_mean vs run
χ² / ndf 2.011e+35 / 51
p0 215.4 ± 1.387e−16
pull
Entries 52
Mean −1.4e+09
Std Dev 1.4e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_mean vs run
χ^2 / ndf 2.169e+36 / 51
p0 636.7 ± 1.387e−16
pull
Entries 52
Mean 4.202e+08
Std Dev 4.202e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil6_err_mean vs run
χ² / ndf 1.697e+35 / 51
p0 197.4 ± 1.387e−16
pull
Entries 52
Mean 1.648e+09
Std Dev 1.648e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_mean vs run
χ² / ndf 1.035e+38 / 51
p0 –5525 ± 1.387e–16
pull
Entries 52
Mean 4.925e+08
Std Dev 4.925e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil6_err_mean vs run

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil6_mean vs run
χ² / ndf 5.42e+36 / 51
p0 427.5 ± 1.387e−16
pull
Entries 52
Mean 5.079e+08
Std Dev 5.079e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil6_err_mean vs run

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_mean vs run
χ² / ndf 1.532e+38 / 51
p0 –6360 ± 1.387e–16
pull
Entries 52
Mean –1.402e+09
Std Dev 1.402e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil6_err_mean vs run
χ² / ndf 2.995e+36 / 51
p0 840.5 ± 1.387e−16
pull
Entries 52
Mean 1.062e+09
Std Dev 1.062e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_mean vs run
χ² / ndf 1.492e+37 / 51
p0 −2043 ± 1.387e−16
0
−500
−1000
−1500
−2000
pull
Entries 52
Mean 1.606e+09
Std Dev 1.606e+09
×10¹⁵
2000
1500
1000
500
0

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_err_mean vs run
χ² / ndf 7.954e+33 / 51
p0 38.19 ± 1.387e−16
pull
Entries 52
Mean 1.843e+09
Std Dev 1.843e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
×10¹⁵
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_mean vs run
χ^2 / ndf 9.742e+37 / 51
p0 5337 ± 1.387e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 52
Mean −1.773e+09
Std Dev 1.773e+09
1000
0
−1000
−2000
−3000
−4000
−5000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_err_mean vs run
χ^2 / ndf 9.547e+35 / 51
p0 467.7 ± 1.387e−16
pull
Entries 52
Mean −6.066e+08
Std Dev 6.066e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil6_mean vs run
χ² / ndf 9.495e+36 / 51
p0 –1576 ± 1.387e–16
0
–500
–1000
–1500
–2000
pull
Entries 52
Mean –3.432e+08
Std Dev 3.432e+08
×10¹⁵
1500
1000
500
0
–500

pull1D
Entries 52
Mean 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 4.491e+35 / 51
p0 294.2 ± 1.387e−16
pull
Entries 52
Mean −5.34e+08
Std Dev 5.34e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_mean vs run
χ² / ndf 2.948e+38 / 51
p0 –9545 ± 1.387e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 52
Mean 1.044e+09
Std Dev 1.044e+09
10000
8000
6000
4000
2000
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam4_coil6_err_mean vs run

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil6_mean vs run
χ² / ndf 1.594e+37 / 51
p0 −2203 ± 1.387e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 52
Mean −2.284e+09
Std Dev 2.284e+09
×10¹⁵
2000
1500
1000
500
0
−500

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil6_err_mean vs run
χ² / ndf 3.379e+34 / 51
p0 86.97 ± 1.387e−16
pull
Entries 52
Mean −1.862e+09
Std Dev 1.862e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_mean vs run
χ² / ndf 4.658e+36 / 51
p0 –1174 ± 1.387e–16
pull
Entries 52
Mean –2.859e+09
Std Dev 2.859e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil6_err_mean vs run
χ² / ndf 9.269e+34 / 51
p0 149 ± 1.387e−16
pull
Entries 52
Mean −3.789e+09
Std Dev 3.789e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_mean vs run
χ² / ndf 8.376e+35 / 51
p0 439 ± 1.387e−16
pull
Entries 52
Mean −6.916e+09
Std Dev 6.916e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil6_err_mean vs run

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_mean vs run
χ² / ndf 3.815e+37 / 51
p0 −3379 ± 1.387e−16
pull
Entries 52
Mean −1.954e+09
Std Dev 1.954e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil6_err_mean vs run

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.34e+37 / 51
p0 1057 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.259e+09
Std Dev 1.259e+09
1000
500
0
−500
−1000

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_mean vs run
χ^2 / ndf 1.005e+08 / 51
p0 5618 ± 194.7
6000
5000
4000
3000
2000
1000
0

pull1D
Entries 52
Mean 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 1.005e+08 / 51
p0 5618 ± 194.7
6000
5000
4000
3000
2000
1000
0
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_slug_slope vs run
χ^2 / ndf 1.05e−26 / 51
p0 119 ± 1.99e−15
120
119.8
119.6
119.4
119.2
119

pull1D
Entries 52
Mean 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 7.893e+07 / 51
p0 4979 ± 172.5
5000
4000
3000
2000
1000
0

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_cyclenum_rms vs run
χ² / ndf 7.893e+07 / 51
p0 4979 ± 172.5
5000
4000
3000
2000
1000
0
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 4
5959. 5
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5960. 6
5961. 0
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 2
5962. 3
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5963. 4
5964. 0
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5965. 5
5966. 0
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_scandata1_mean vs run
χ^2 / ndf 0 / 51
p0 0 ± 0.1387
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 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 / 51
p0 0 ± 0.1387
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata2_rms vs run
χ² / ndf 0 / 51
p0 0 ± 0.1387
1
0.8
0.6
0.4
0.2
0
5958. 0
5958. 1
5958. 2
5959. 0
5959. 1
5959. 2
5959. 3
5959. 6
5960. 0
5960. 1
5960. 2
5960. 3
5960. 4
5960. 5
5961. 1
5961. 2
5961. 3
5961. 4
5961. 5
5962. 0
5962. 1
5962. 4
5962. 5
5962. 6
5963. 0
5963. 1
5963. 2
5963. 3
5964. 1
5964. 2
5965. 0
5965. 1
5965. 2
5965. 3
5965. 4
5966. 1
5966. 2
5966. 3
5966. 4
5966. 5
5966. 6
5966. 7

dit_flag_mean vs run
χ^2 / ndf 2.827 / 51
p0 0.9423 ± 0.03265
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 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

reg_asym_sam1_diff_bpm4aX_slope vs run
χ^2 / ndf 1.554 / 51
p0 −12.16 ± 0.9781
pull
Entries 52
Mean 228.1
Std Dev 205.7

pull1D
Entries 52
Mean 0.003655
Std Dev 0.1728

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 2.298 / 51
p0 −56.93 ± 0.3756
pull
Entries 52
Mean 200.1
Std Dev 172.8

pull1D
Entries 52
Mean −0.004413
Std Dev 0.2102

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 1.47 / 51
p0 2.181 ± 1.036
pull
Entries 52
Mean 216.6
Std Dev 194.1

pull1D
Entries 52
Mean −0.003475
Std Dev 0.1681

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 3.333 / 51
p0 15.66 ± 0.4822
pull
Entries 52
Mean 216.7
Std Dev 189.7

pull1D
Entries 52
Mean 0.008128
Std Dev 0.2531

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 1.911 / 51
p0 0.2358 ± 0.04357
pull
Entries 52
Mean −8369
Std Dev 8398

pull1D
Entries 52
Mean −9.145e−05
Std Dev 0.1917

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 0.7551 / 51
p0 −121.2 ± 9.043
pull
Entries 52
Mean 358.7
Std Dev 337.3

pull1D
Entries 52
Mean 0.001349
Std Dev 0.1205

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 0.861 / 51
p0 −15.24 ± 3.461
pull
Entries 52
Mean 153.7
Std Dev 129.4

pull1D
Entries 52
Mean −0.003977
Std Dev 0.1286

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 0.738 / 51
p0 −98.06 ± 9.58
pull
Entries 52
Mean 508.3
Std Dev 486.6

pull1D
Entries 52
Mean −0.0007552
Std Dev 0.1191

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 1.522 / 51
p0 −181.1 ± 4.455
pull
Entries 52
Mean 205.3
Std Dev 180.8

pull1D
Entries 52
Mean 0.005122
Std Dev 0.171

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 0.8824 / 51
p0 −0.718 ± 0.4024
pull
Entries 52
Mean 462.8
Std Dev 433.8

pull1D
Entries 52
Mean 0.001825
Std Dev 0.1303

reg_asym_sam3_diff_bpm4aX_slope vs run
χ2 / ndf 1.043 / 51
p0 −87.04 ± 4.86
pull
Entries 52
Mean 219.7
Std Dev 197.1

pull1D
Entries 52
Mean 0.005341
Std Dev 0.1415

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.015 / 51
p0 2.141 ± 1.859
pull
Entries 52
Mean 204.3
Std Dev 179.4

pull1D
Entries 52
Mean −0.004544
Std Dev 0.1397

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 0.8785 / 51
p0 −52.4 ± 5.149
pull
Entries 52
Mean 251.8
Std Dev 227.9

pull1D
Entries 52
Mean −0.004541
Std Dev 0.1299

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 1.486 / 51
p0 17.06 ± 2.394
pull
Entries 52
Mean 190.2
Std Dev 165.1

pull1D
Entries 52
Mean 0.006113
Std Dev 0.1689

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.6429 / 51
p0 −0.4061± 0.2163
pull
Entries 52
Mean −677.6
Std Dev 704.7

pull1D
Entries 52
Mean −0.0007801
Std Dev 0.1112

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 4.317 / 51
p0 −80.36 ± 7.326
pull
Entries 52
Mean 135.3
Std Dev 112.8

pull1D
Entries 52
Mean 0.01248
Std Dev 0.2879

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 1.453 / 51
p0 9.477 ± 2.806
pull
Entries 52
Mean −545.2
Std Dev 571.2

pull1D
Entries 52
Mean 0.000655
Std Dev 0.1671

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 4.071 / 51
p0 −137.6 ± 7.761
pull
Entries 52
Mean 148.3
Std Dev 125.2

pull1D
Entries 52
Mean −0.01186
Std Dev 0.2795

reg_asym_sam4_diff_bpm4eY_slope vs run
χ2 / ndf 2.029 / 51
p0 256.6 ± 3.609
pull
Entries 52
Mean −175.2
Std Dev 202.1

pull1D
Entries 52
Mean −0.002178
Std Dev 0.1975

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 3.094 / 51
p0 −2.534 ± 0.3261
pull
Entries 52
Mean 248.2
Std Dev 222.4

pull1D
Entries 52
Mean 0.003153
Std Dev 0.2439

reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 3.589 / 51
p0 6.031 ± 2.463
pull
Entries 52
Mean 67.18
Std Dev 40.18

pull1D
Entries 52
Mean 0.007885
Std Dev 0.2626

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 2.922 / 51
p0 54.42 ± 0.9463
pull
Entries 52
Mean 57.45
Std Dev 29.84

pull1D
Entries 52
Mean 0.00607
Std Dev 0.237

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 3.525 / 51
p0 −3.744 ± 2.61
pull
Entries 52
Mean 67.71
Std Dev 40.55

pull1D
Entries 52
Mean −0.007991
Std Dev 0.2602

reg_asym_sam5_diff_bpm4eY_slope vs run
χ2 / ndf 3.965 / 51
p0 99.37 ± 1.215
pull
Entries 52
Mean 29.56
Std Dev 20.58
pull1D
Entries 52
Mean −0.01055
Std Dev 0.2759

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 3.165 / 51
p0 −0.3291± 0.1097
pull
Entries 52
Mean 569.4
Std Dev 542.3
pull1D
Entries 52
Mean −0.0009055
Std Dev 0.2467

reg_asym_sam6_diff_bpm4aX_slope vs run
χ2 / ndf 1.1 / 51
p0 38.74 ± 2.751
pull
Entries 52
Mean −28.19
Std Dev 56.11

pull1D
Entries 52
Mean 0.004953
Std Dev 0.1454

reg_asym_sam6_diff_bpm4aY_slope vs run
χ2 / ndf 3.568 / 51
p0 48.29 ± 1.054
pull
Entries 52
Mean 12.14
Std Dev 25.8

pull1D
Entries 52
Mean −0.009635
Std Dev 0.2618

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 1.008 / 51
p0 13.48 ± 2.915
pull
Entries 52
Mean −65.56
Std Dev 90.21

pull1D
Entries 52
Mean −0.003463
Std Dev 0.1392

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 4.768 / 51
p0 47.35 ± 1.356
pull
Entries 52
Mean 14.89
Std Dev 32.59

pull1D
Entries 52
Mean 0.01211
Std Dev 0.3026

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 1.043 / 51
p0 0.05511 ± 0.1225
pull
Entries 52
Mean −437.5
Std Dev 465.2
pull1D
Entries 52
Mean 0.001872
Std Dev 0.1416

reg_asym_sam7_diff_bpm4aX_slope vs run
χ^2 / ndf 3.55 / 51
p0 22.52 ± 1.514
pull
Entries 52
Mean 190.4
Std Dev 167.5

pull1D
Entries 52
Mean 0.01118
Std Dev 0.2611

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.213 / 51
p0 8.996 ± 0.5793
pull
Entries 52
Mean −416.7
Std Dev 442

pull1D
Entries 52
Mean 0.002178
Std Dev 0.1527

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 3.322 / 51
p0 −69.15 ± 1.604
pull
Entries 52
Mean 191.8
Std Dev 169
pull1D
Entries 52
Mean −0.01076
Std Dev 0.2525

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 1.269 / 51
p0 −15.5 ± 0.7458
pull
Entries 52
Mean −1116
Std Dev 1141

pull1D
Entries 52
Mean −0.0009375
Std Dev 0.1562

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 4.704 / 51
p0 −0.7905 ± 0.06739
pull
Entries 52
Mean 168.9
Std Dev 141.4

pull1D
Entries 52
Mean 0.01233
Std Dev 0.3005

reg_asym_sam8_diff_bpm4aX_slope vs run
χ^2 / ndf 13.07 / 51
p0 16.11 ± 1.074
pull
Entries 52
Mean 133.6
Std Dev 110.9

pull1D
Entries 52
Mean 0.02624
Std Dev 0.5007

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 3.095 / 51
p0 −46.15 ± 0.411
pull
Entries 52
Mean −266.4
Std Dev 290.3

pull1D
Entries 52
Mean 0.003142
Std Dev 0.2439

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 12.68 / 51
p0 −50.69 ± 1.138
pull
Entries 52
Mean 131.2
Std Dev 108.6

pull1D
Entries 52
Mean −0.02632
Std Dev 0.493

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 3.23 / 51
p0 53.88 ± 0.529
pull
Entries 52
Mean −718.7
Std Dev 742.1

pull1D
Entries 52
Mean −0.00112
Std Dev 0.2492

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 10.29 / 51
p0 −0.6175 ± 0.0478
pull
Entries 52
Mean 189
Std Dev 162.5

pull1D
Entries 52
Mean 0.01272
Std Dev 0.4446

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 33.69 / 51
p0 −101.8 ± 2.706
pull
Entries 52
Mean 1135
Std Dev 1107

pull1D
Entries 52
Mean −0.003831
Std Dev 0.8049

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 33.74 / 51
p0 1.725 ± 1.038
pull
Entries 52
Mean −205.5
Std Dev 217.4

pull1D
Entries 52
Mean −0.004749
Std Dev 0.8055

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 34.92 / 51
p0 52.09 ± 2.867
pull
Entries 52
Mean 900.1
Std Dev 872

pull1D
Entries 52
Mean 0.004749
Std Dev 0.8195

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 33.86 / 51
p0 17.88 ± 1.334
pull
Entries 52
Mean 632.9
Std Dev 620

pull1D
Entries 52
Mean −0.001849
Std Dev 0.807

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 42 / 51
p0 −38.43 ± 0.1205
pull
Entries 52
Mean 566
Std Dev 541.7

pull1D
Entries 52
Mean −0.003222
Std Dev 0.8988

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 12.87 / 51
p0 −86.21 ± 4.751
pull
Entries 52
Mean 178.1
Std Dev 150.4

pull1D
Entries 52
Mean −0.015
Std Dev 0.4973

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 16.95 / 51
p0 0.6867 ± 1.819
pull
Entries 52
Mean −371.6
Std Dev 393.1

pull1D
Entries 52
Mean −0.005455
Std Dev 0.571

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.52 / 51
p0 157.8 ± 5.034
pull
Entries 52
Mean 183.9
Std Dev 156.2

pull1D
Entries 52
Mean 0.01451
Std Dev 0.4905

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 18.49 / 51
p0 16.84 ± 2.34
pull
Entries 52
Mean −646.2
Std Dev 669.7

pull1D
Entries 52
Mean 0.004276
Std Dev 0.5963

reg_asym_usr_diff_bpm12X_slope vs run
χ^2 / ndf 30.66 / 51
p0 −37.37 ± 0.2115
pull
Entries 52
Mean 53.03
Std Dev 31.58

pull1D
Entries 52
Mean −0.02076
Std Dev 0.7676

reg_asym_dsl_diff_bpm4aX_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 53.07 / 51
p0 −0.0856 ± 0.07733
pull
Entries 52
Mean 180.2
Std Dev 154.2

pull1D
Entries 52
Mean −0.01866
Std Dev 1.01

reg_asym_dsl_diff_bpm4eX_slope vs run

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 55.74 / 51
p0 0.05302 ± 0.09936
pull
Entries 52
Mean 160.1
Std Dev 134.6

pull1D
Entries 52
Mean 0.0231
Std Dev 1.035

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 42.55 / 51
p0 −0.02096 ± 0.008979
pull
Entries 52
Mean 133.2
Std Dev 122

pull1D
Entries 52
Mean −0.01394
Std Dev 0.9045

reg_asym_dsr_diff_bpm4aX_slope vs run
χ^2 / ndf 44.29 / 51
p0 0.2674 ± 0.2872
pull
Entries 52
Mean 113.2
Std Dev 88.9

pull1D
Entries 52
Mean −0.01677
Std Dev 0.9227

reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 46.84 / 51
p0 0.05225 ± 0.1415
pull
Entries 52
Mean −185.7
Std Dev 216.4

pull1D
Entries 52
Mean 0.019
Std Dev 0.9489

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 42.41 / 51
p0 −0.01909 ± 0.01279
pull
Entries 52
Mean 9.59
Std Dev 6.446

pull1D
Entries 52
Mean 0.01715
Std Dev 0.9029

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 19.44 / 51
p0 −94.08 ± 2.863
pull
Entries 52
Mean 325.1
Std Dev 297.2

pull1D
Entries 52
Mean −0.01305
Std Dev 0.6112

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 18.01 / 51
p0 1.284 ± 1.097
pull
Entries 52
Mean −173.5
Std Dev 192.8

pull1D
Entries 52
Mean −0.01179
Std Dev 0.5885

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.76 / 51
p0 105 ± 3.034
pull
Entries 52
Mean 314.2
Std Dev 286.2

pull1D
Entries 52
Mean 0.01341
Std Dev 0.6162

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.56 / 51
p0 17.25 ± 1.41
pull
Entries 52
Mean −345.8
Std Dev 367.1

pull1D
Entries 52
Mean 0.00793
Std Dev 0.5974

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 38.6 / 51
p0 −37.9 ± 0.1275
pull
Entries 52
Mean 98.81
Std Dev 75.7

pull1D
Entries 52
Mean −0.01706
Std Dev 0.8614

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 15.75 / 51
p0 −7.861 ± 2.601
pull
Entries 52
Mean 17.96
Std Dev 15.65

pull1D
Entries 52
Mean 0.01323
Std Dev 0.5502

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.49 / 51
p0 0.608 ± 0.9961
pull
Entries 52
Mean 424.2
Std Dev 398.2

pull1D
Entries 52
Mean −0.003541
Std Dev 0.6862

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.43 / 51
p0 −52.8 ± 2.756
pull
Entries 52
Mean 22.25
Std Dev 13.21

pull1D
Entries 52
Mean −0.01227
Std Dev 0.5445

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.43 / 51
p0 0.3936 ± 1.281
pull
Entries 52
Mean 1079
Std Dev 1052

pull1D
Entries 52
Mean 0.001933
Std Dev 0.713

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 26.26 / 51
p0 −0.5269 ± 0.1158
pull
Entries 52
Mean 0.6573
Std Dev 30.24

pull1D
Entries 52
Mean 0.01359
Std Dev 0.7106

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 36.72 / 51
p0 −0.04848 ± 0.1757
pull
Entries 52
Mean 84.06
Std Dev 65.55
pull1D
Entries 52
Mean −0.01725
Std Dev 0.8402

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ2 / ndf 39.49 / 51
p0 −0.04541 ± 0.06736
pull
Entries 52
Mean −8.713
Std Dev 45.58

pull1D
Entries 52
Mean −0.03059
Std Dev 0.8709

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.47 / 51
p0 −0.005263 ± 0.1861
pull
Entries 52
Mean 82.76
Std Dev 63.47

pull1D
Entries 52
Mean 0.01767
Std Dev 0.8487

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.46 / 51
p0 0.04996 ± 0.08657
pull
Entries 52
Mean −22.34
Std Dev 58.1
pull1D
Entries 52
Mean 0.03098
Std Dev 0.9448

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 40.17 / 51
p0 −0.02012 ± 0.007823
pull
Entries 52
Mean −127.7
Std Dev 138.6

pull1D
Entries 52
Mean 0.006948
Std Dev 0.8789

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 47.64 / 51
p0 −0.3135 ± 0.1752
pull
Entries 52
Mean 171.1
Std Dev 142.3

pull1D
Entries 52
Mean 0.009531
Std Dev 0.9571

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 54.15 / 51
p0 −0.03852 ± 0.06719
pull
Entries 52
Mean −564.4
Std Dev 593.6

pull1D
Entries 52
Mean 0.007445
Std Dev 1.02

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.76 / 51
p0 0.3767 ± 0.1856
pull
Entries 52
Mean 156.4
Std Dev 127.9

pull1D
Entries 52
Mean −0.01204
Std Dev 0.9582

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 52.9 / 51
p0 0.00045 ± 0.08634
pull
Entries 52
Mean −2132
Std Dev 2161

pull1D
Entries 52
Mean −0.002358
Std Dev 1.009

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 44.84 / 51
p0 −0.0009859 ± 0.007803
pull
Entries 52
Mean 55.64
Std Dev 44.7
pull1D
Entries 52
Mean −0.02146
Std Dev 0.9284

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 32.51 / 51
p0 −51.1 ± 1.357
pull
Entries 52
Mean 1009
Std Dev 980.9

pull1D
Entries 52
Mean −0.004282
Std Dev 0.7907

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.24 / 51
p0 0.8196 ± 0.5206
pull
Entries 52
Mean −118.6
Std Dev 126.5

pull1D
Entries 52
Mean −0.006111
Std Dev 0.7995

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 33.6 / 51
p0 26.23 ± 1.438
pull
Entries 52
Mean 840.5
Std Dev 812.5

pull1D
Entries 52
Mean 0.005033
Std Dev 0.8039

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.39 / 51
p0 8.968 ± 0.6689
pull
Entries 52
Mean 5726
Std Dev 5717

pull1D
Entries 52
Mean −0.000156
Std Dev 0.8014

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 42.92 / 51
p0 −19.23 ± 0.06046
pull
Entries 52
Mean 437
Std Dev 413.5

pull1D
Entries 52
Mean −0.004486
Std Dev 0.9085

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.92 / 51
p0 −50.74 ± 1.356
pull
Entries 52
Mean 1302
Std Dev 1274

pull1D
Entries 52
Mean −0.003342
Std Dev 0.8195

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 34.46 / 51
p0 0.905 ± 0.5202
pull
Entries 52
Mean −366.8
Std Dev 381.2
pull1D
Entries 52
Mean −0.003332
Std Dev 0.814

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 36.29 / 51
p0 25.86 ± 1.437
pull
Entries 52
Mean 971.4
Std Dev 943.1

pull1D
Entries 52
Mean 0.004422
Std Dev 0.8354

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 34.57 / 51
p0 8.915 ± 0.6684
pull
Entries 52
Mean 404.9
Std Dev 389.9

pull1D
Entries 52
Mean −0.00356
Std Dev 0.8154

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 41.11 / 51
p0 −19.21 ± 0.06041
pull
Entries 52
Mean 858.3
Std Dev 833

pull1D
Entries 52
Mean −0.001954
Std Dev 0.8891

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.52 / 51
p0 −42.96 ± 2.379
pull
Entries 52
Mean 170.3
Std Dev 142.7
pull1D
Entries 52
Mean −0.01639
Std Dev 0.5096

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.36 / 51
p0 0.347 ± 0.9106
pull
Entries 52
Mean −295.2
Std Dev 317.6

pull1D
Entries 52
Mean −0.007373
Std Dev 0.5778

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.2 / 51
p0 78.69 ± 2.52
pull
Entries 52
Mean 174.8
Std Dev 147.2

pull1D
Entries 52
Mean 0.01601
Std Dev 0.5036

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.99 / 51
p0 8.434 ± 1.172
pull
Entries 52
Mean −483.7
Std Dev 507.7

pull1D
Entries 52
Mean 0.006112
Std Dev 0.6043

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 30.44 / 51
p0 −18.69 ± 0.1059
pull
Entries 52
Mean 55.04
Std Dev 33.59

pull1D
Entries 52
Mean −0.01972
Std Dev 0.7648

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.46 / 51
p0 −43.25 ± 2.381
pull
Entries 52
Mean 187.7
Std Dev 159.9

pull1D
Entries 52
Mean −0.01354
Std Dev 0.4894

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.74 / 51
p0 0.3393 ± 0.9115
pull
Entries 52
Mean −536
Std Dev 556.7

pull1D
Entries 52
Mean −0.00349
Std Dev 0.5673

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.08 / 51
p0 79.1 ± 2.523
pull
Entries 52
Mean 195.3
Std Dev 167.5

pull1D
Entries 52
Mean 0.01295
Std Dev 0.4817

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 18.19 / 51
p0 8.406 ± 1.173
pull
Entries 52
Mean −1073
Std Dev 1096

pull1D
Entries 52
Mean 0.002388
Std Dev 0.5915

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 30.97 / 51
p0 −18.67 ± 0.106
pull
Entries 52
Mean 51.32
Std Dev 29.88

pull1D
Entries 52
Mean −0.02164
Std Dev 0.7715

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 8.32 / 51
p0 −3.07 ± 0.7901
pull
Entries 52
Mean 90.92
Std Dev 66.09

pull1D
Entries 52
Mean 0.01498
Std Dev 0.3997

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.363 / 51
p0 −1.255 ± 0.3035
pull
Entries 52
Mean −3.87
Std Dev 31.42

pull1D
Entries 52
Mean 0.005867
Std Dev 0.2896

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.033 / 51
p0 −0.7759 ± 0.8373
pull
Entries 52
Mean 88.46
Std Dev 63.35
pull1D
Entries 52
Mean −0.01501
Std Dev 0.3928

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.004 / 51
p0 57.51 ± 0.3896
pull
Entries 52
Mean −66.2
Std Dev 89.36

pull1D
Entries 52
Mean −0.009863
Std Dev 0.3669

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 6.428 / 51
p0 −0.04707 ± 0.0352
pull
Entries 52
Mean 437.5
Std Dev 414.8

pull1D
Entries 52
Mean −0.0006802
Std Dev 0.3516

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.231 / 51
p0 −9.097 ± 1.699
pull
Entries 52
Mean 30.42
Std Dev 20.37

pull1D
Entries 52
Mean −0.004612
Std Dev 0.2071

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 2.506 / 51
p0 −55.67 ± 0.6528
pull
Entries 52
Mean 87.72
Std Dev 60.21

pull1D
Entries 52
Mean −0.005833
Std Dev 0.2195

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.211 / 51
p0 2.964 ± 1.801
pull
Entries 52
Mean 36.3
Std Dev 17.11

pull1D
Entries 52
Mean 0.004746
Std Dev 0.2061

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.204 / 51
p0 −41.86 ± 0.8379
pull
Entries 52
Mean 72.38
Std Dev 41.69

pull1D
Entries 52
Mean 0.01027
Std Dev 0.248

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 2.248 / 51
p0 0.2823 ± 0.07571
pull
Entries 52
Mean 891.3
Std Dev 863.3

pull1D
Entries 52
Mean 0.0006714
Std Dev 0.2079

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 1.329 / 51
p0 −32.26 ± 3.181
pull
Entries 52
Mean 208.4
Std Dev 185.7

pull1D
Entries 52
Mean 0.006725
Std Dev 0.1597

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.7036 / 51
p0 5.569 ± 1.217
pull
Entries 52
Mean 310.1
Std Dev 285

pull1D
Entries 52
Mean −0.002981
Std Dev 0.1163

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.143 / 51
p0 −60.77 ± 3.37
pull
Entries 52
Mean 228.7
Std Dev 205.1

pull1D
Entries 52
Mean −0.005956
Std Dev 0.1482

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 0.9928 / 51
p0 0.7789 ± 1.567
pull
Entries 52
Mean 253.7
Std Dev 228.6

pull1D
Entries 52
Mean 0.004478
Std Dev 0.1381

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 0.7812 / 51
p0 −0.5984 ± 0.1416
pull
Entries 52
Mean 376.6
Std Dev 349.3
pull1D
Entries 52
Mean 0.00239
Std Dev 0.1225

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.03 / 51
p0 −54.78 ± 1.685
pull
Entries 52
Mean 269.6
Std Dev 247.4

pull1D
Entries 52
Mean 0.002743
Std Dev 0.1407

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.211 / 51
p0 −3.429 ± 0.6444
pull
Entries 52
Mean 126.3
Std Dev 101.6

pull1D
Entries 52
Mean −0.007393
Std Dev 0.2061

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9145 / 51
p0 8.382 ± 1.785
pull
Entries 52
Mean 370.4
Std Dev 345.3

pull1D
Entries 52
Mean −0.001974
Std Dev 0.1326

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.163 / 51
p0 16.29 ± 0.8296
pull
Entries 52
Mean 133.1
Std Dev 108.1

pull1D
Entries 52
Mean 0.009085
Std Dev 0.2464

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.784 / 51
p0 0.1923 ± 0.07495
pull
Entries 52
Mean 25.51
Std Dev 9.883

pull1D
Entries 52
Mean −0.006788
Std Dev 0.1851

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.145 / 51
p0 −41.21 ± 3.221
pull
Entries 52
Mean 168.1
Std Dev 148.2

pull1D
Entries 52
Mean 0.003561
Std Dev 0.1484

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.846 / 51
p0 16.53 ± 1.232
pull
Entries 52
Mean 91.02
Std Dev 68.33

pull1D
Entries 52
Mean −0.01009
Std Dev 0.2337

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1.057 / 51
p0 −42.28 ± 3.412
pull
Entries 52
Mean 161
Std Dev 140.3

pull1D
Entries 52
Mean −0.002763
Std Dev 0.1425

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.608 / 51
p0 −66.85 ± 1.587
pull
Entries 52
Mean 130.9
Std Dev 108.5

pull1D
Entries 52
Mean 0.01158
Std Dev 0.2974

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.285 / 51
p0 −0.3326 ± 0.1433
pull
Entries 52
Mean 219.1
Std Dev 189.5

pull1D
Entries 52
Mean 0.003883
Std Dev 0.1571

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.6741 / 51
p0 −79.99 ± 5.856
pull
Entries 52
Mean −2.436e+04
Std Dev 2.438e+04

pull1D
Entries 52
Mean −1.691e−05
Std Dev 0.1139

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5599 / 51
p0 −31.77 ± 2.242
pull
Entries 52
Mean 726.1
Std Dev 700.4

pull1D
Entries 52
Mean −0.0006051
Std Dev 0.1038

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.6711 / 51
p0 −55.78 ± 6.205
pull
Entries 52
Mean −1039
Std Dev 1061

pull1D
Entries 52
Mean 0.0003348
Std Dev 0.1136

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9471 / 51
p0 −114.2 ± 2.885
pull
Entries 52
Mean 611.7
Std Dev 585.4

pull1D
Entries 52
Mean 0.001273
Std Dev 0.1349

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.7788 / 51
p0 −0.3857 ± 0.2607
pull
Entries 52
Mean 1109
Std Dev 1080

pull1D
Entries 52
Mean 0.0007558
Std Dev 0.1224

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.303 / 51
p0 −32.12 ± 4.114
pull
Entries 52
Mean 134.8
Std Dev 112.3

pull1D
Entries 52
Mean 0.01453
Std Dev 0.319

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.466 / 51
p0 −18.33 ± 1.575
pull
Entries 52
Mean −685
Std Dev 710.5

pull1D
Entries 52
Mean 0.0006351
Std Dev 0.1679

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.023 / 51
p0 −94.15 ± 4.359
pull
Entries 52
Mean 144.1
Std Dev 121.2

pull1D
Entries 52
Mean −0.01398
Std Dev 0.3105

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.978 / 51
p0 155.2 ± 2.027
pull
Entries 52
Mean −279.7
Std Dev 305.9
pull1D
Entries 52
Mean −0.001626
Std Dev 0.195

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 3.818 / 51
p0 −1.576 ± 0.1831
pull
Entries 52
Mean 219.2
Std Dev 193.2
pull1D
Entries 52
Mean 0.004624
Std Dev 0.2709

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.203 / 51
p0 −48.24 ± 3.237
pull
Entries 52
Mean 135.1
Std Dev 112.7

pull1D
Entries 52
Mean 0.009865
Std Dev 0.248

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 1.523 / 51
p0 27.8 ± 1.24
pull
Entries 52
Mean −253
Std Dev 279.8

pull1D
Entries 52
Mean 0.0009793
Std Dev 0.1712

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 3.004 / 51
p0 −43.46 ± 3.43
pull
Entries 52
Mean 155.4
Std Dev 132.1

pull1D
Entries 52
Mean −0.009146
Std Dev 0.2402

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ2 / ndf 2.179 / 51
p0 101.4 ± 1.595
pull
Entries 52
Mean −87.83
Std Dev 115.7

pull1D
Entries 52
Mean −0.003167
Std Dev 0.2047

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.316 / 51
p0 −0.958 ± 0.1441
pull
Entries 52
Mean 338.6
Std Dev 313.4

pull1D
Entries 52
Mean 0.001439
Std Dev 0.211

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.898 / 51
p0 −29.59 ± 0.5248
pull
Entries 52
Mean 210.4
Std Dev 185.7

pull1D
Entries 52
Mean −0.003765
Std Dev 0.191

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.288 / 51
p0 5.683 ± 1.452
pull
Entries 52
Mean −284.9
Std Dev 308.8

pull1D
Entries 52
Mean 0.001322
Std Dev 0.1574

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.635 / 51
p0 −12.73 ± 0.6751
pull
Entries 52
Mean 165.3
Std Dev 139.3

pull1D
Entries 52
Mean 0.006563
Std Dev 0.225

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.845 / 51
p0 0.2365 ± 0.06098
pull
Entries 52
Mean −106.3
Std Dev 134.3

pull1D
Entries 52
Mean −0.002822
Std Dev 0.1883

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 0.8145 / 51
p0 14.61 ± 1.682
pull
Entries 52
Mean 317.4
Std Dev 295.1

pull1D
Entries 52
Mean −0.003268
Std Dev 0.1251

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.7734 / 51
p0 −3.39 ± 0.6436
pull
Entries 52
Mean 407.6
Std Dev 382.9

pull1D
Entries 52
Mean 0.002029
Std Dev 0.1219

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.7637 / 51
p0 29.99 ± 1.782
pull
Entries 52
Mean 407.9
Std Dev 384.6

pull1D
Entries 52
Mean 0.002462
Std Dev 0.1212

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9913 / 51
p0 28.33 ± 0.8285
pull
Entries 52
Mean 238.6
Std Dev 213.4

pull1D
Entries 52
Mean −0.003628
Std Dev 0.138

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6308 / 51
p0 0.2745 ± 0.07485
pull
Entries 52
Mean 670.6
Std Dev 643.7

pull1D
Entries 52
Mean −0.001357
Std Dev 0.1101

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4641 / 51
p0 −64.11 ± 4.029
pull
Entries 52
Mean 209.2
Std Dev 186.8

pull1D
Entries 52
Mean 0.003978
Std Dev 0.09439

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.2074 / 51
p0 −1.975 ± 1.541
pull
Entries 52
Mean 807.3
Std Dev 781.2

pull1D
Entries 52
Mean −0.0005279
Std Dev 0.06315

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.4014 / 51
p0 −49.62 ± 4.268
pull
Entries 52
Mean 240.6
Std Dev 217.6

pull1D
Entries 52
Mean −0.003409
Std Dev 0.0878

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 0.3104 / 51
p0 −6.434 ± 1.984
pull
Entries 52
Mean 1744
Std Dev 1717

pull1D
Entries 52
Mean 0.0003956
Std Dev 0.07726

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5122 / 51
p0 −0.6732 ± 0.1793
pull
Entries 52
Mean 511.4
Std Dev 483.4

pull1D
Entries 52
Mean 0.001582
Std Dev 0.09924

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 15.52 / 51
p0 −4.51 ± 1.283
pull
Entries 52
Mean 120.8
Std Dev 97.01

pull1D
Entries 52
Mean −0.02021
Std Dev 0.5459

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.44 / 51
p0 17.4 ± 0.4926
pull
Entries 52
Mean 32.32
Std Dev 27.27

pull1D
Entries 52
Mean −0.009753
Std Dev 0.4689

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.87 / 51
p0 25.89 ± 1.359
pull
Entries 52
Mean 131.2
Std Dev 107.4

pull1D
Entries 52
Mean 0.02088
Std Dev 0.5521

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.8 / 51
p0 −111.1 ± 0.6325
pull
Entries 52
Mean 64.85
Std Dev 47.32

pull1D
Entries 52
Mean 0.01773
Std Dev 0.5681

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.98 / 51
p0 0.6218 ± 0.05714
pull
Entries 52
Mean 241.9
Std Dev 220.9

pull1D
Entries 52
Mean −0.00261
Std Dev 0.4595

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.765 / 51
p0 −17.65 ± 1.596
pull
Entries 52
Mean 172.2
Std Dev 149.3
pull1D
Entries 52
Mean 0.00988
Std Dev 0.2304

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 1.048 / 51
p0 2.176 ± 0.6109
pull
Entries 52
Mean 276.6
Std Dev 251.2

pull1D
Entries 52
Mean −0.003489
Std Dev 0.1419

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ2 / ndf 2.421 / 51
p0 −30.79 ± 1.691
pull
Entries 52
Mean 181.2
Std Dev 157.5

pull1D
Entries 52
Mean −0.009141
Std Dev 0.2156

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 1.669 / 51
p0 29.11 ± 0.7863
pull
Entries 52
Mean 292.2
Std Dev 267.2

pull1D
Entries 52
Mean 0.004587
Std Dev 0.1791

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 1.611 / 51
p0 −0.3239 ± 0.07104
pull
Entries 52
Mean 252.3
Std Dev 224.6

pull1D
Entries 52
Mean 0.003309
Std Dev 0.176

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 2.026 / 51
p0 −36.65 ± 3.462
pull
Entries 52
Mean 144.5
Std Dev 122.5

pull1D
Entries 52
Mean 0.009825
Std Dev 0.1971

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 0.7294 / 51
p0 −0.8961 ± 1.325
pull
Entries 52
Mean 152.9
Std Dev 128.8

pull1D
Entries 52
Mean −0.004447
Std Dev 0.1184

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.744 / 51
p0 −68.24 ± 3.668
pull
Entries 52
Mean 152.8
Std Dev 130.2

pull1D
Entries 52
Mean −0.009016
Std Dev 0.1829

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.154 / 51
p0 44.18 ± 1.705
pull
Entries 52
Mean 191.5
Std Dev 167.7

pull1D
Entries 52
Mean 0.005151
Std Dev 0.1489

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.69 / 51
p0 −0.9548 ± 0.1541
pull
Entries 52
Mean 209.1
Std Dev 181.6

pull1D
Entries 52
Mean 0.004736
Std Dev 0.1802

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.598 / 51
p0 9.499 ± 0.9423
pull
Entries 52
Mean 120.5
Std Dev 99.81
pull1D
Entries 52
Mean −0.009669
Std Dev 0.175

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.6411 / 51
p0 1.536 ± 0.3605
pull
Entries 52
Mean 82.46
Std Dev 61.79

pull1D
Entries 52
Mean 0.005242
Std Dev 0.1109

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 1.373 / 51
p0 18.72 ± 0.9983
pull
Entries 52
Mean 127.9
Std Dev 106.8

pull1D
Entries 52
Mean 0.008811
Std Dev 0.1623

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.9526 / 51
p0 −7.533 ± 0.4641
pull
Entries 52
Mean 121.3
Std Dev 99.83

pull1D
Entries 52
Mean −0.005587
Std Dev 0.1352

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.118 / 51
p0 0.3155 ± 0.04193
pull
Entries 52
Mean 184.4
Std Dev 157

pull1D
Entries 52
Mean −0.006053
Std Dev 0.2017

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 2.233 / 51
p0 −27.15 ± 2.526
pull
Entries 52
Mean 153.3
Std Dev 131

pull1D
Entries 52
Mean 0.009856
Std Dev 0.207

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 0.8053 / 51
p0 0.6398 ± 0.9664
pull
Entries 52
Mean 185.9
Std Dev 161.3

pull1D
Entries 52
Mean −0.004147
Std Dev 0.1244

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.931 / 51
p0 −49.52 ± 2.676
pull
Entries 52
Mean 161.8
Std Dev 138.8
pull1D
Entries 52
Mean −0.009068
Std Dev 0.1925

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ2 / ndf 1.285 / 51
p0 36.64 ± 1.244
pull
Entries 52
Mean 220.8
Std Dev 196.5

pull1D
Entries 52
Mean 0.00498
Std Dev 0.1571

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.614 / 51
p0 −0.6393 ± 0.1124
pull
Entries 52
Mean 221.1
Std Dev 193.5

pull1D
Entries 52
Mean 0.004259
Std Dev 0.1762

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 49.98 / 51
p0 −31.13 ± 5.463
pull
Entries 52
Mean 744
Std Dev 710.6

pull1D
Entries 52
Mean −0.00381
Std Dev 0.9803

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 37.88 / 51
p0 13.2 ± 2.094
pull
Entries 52
Mean −127.3
Std Dev 152.1

pull1D
Entries 52
Mean −0.02591
Std Dev 0.8531

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 51.26 / 51
p0 75.42 ± 5.788
pull
Entries 52
Mean 518.7
Std Dev 486.1

pull1D
Entries 52
Mean 0.005679
Std Dev 0.9928

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 42.5 / 51
p0 −21.14 ± 2.692
pull
Entries 52
Mean −171.1
Std Dev 197.2

pull1D
Entries 52
Mean 0.01815
Std Dev 0.9038

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 34.76 / 51
p0 −19.14 ± 0.2433
pull
Entries 52
Mean −26.59
Std Dev 90.15

pull1D
Entries 52
Mean 0.01685
Std Dev 0.8174

reg_asym_atl2_diff_bpm4aX_slope vs run
χ^2 / ndf 7.178 / 51
p0 −496.2 ± 11.16
pull
Entries 52
Mean 404.1
Std Dev 380.5

pull1D
Entries 52
Mean −0.007608
Std Dev 0.3715

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 6.903 / 51
p0 −7.116 ± 4.273
pull
Entries 52
Mean −163.8
Std Dev 190.7

pull1D
Entries 52
Mean −0.006619
Std Dev 0.3643

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 6.904 / 51
p0 486.5 ± 11.82
pull
Entries 52
Mean 352.6
Std Dev 329.4

pull1D
Entries 52
Mean 0.008351
Std Dev 0.3643

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 7.164 / 51
p0 109.7 ± 5.495
pull
Entries 52
Mean −238.2
Std Dev 264.1

pull1D
Entries 52
Mean 0.005655
Std Dev 0.3711

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 18.74 / 51
p0 −194 ± 0.4967
pull
Entries 52
Mean 113
Std Dev 90.84

pull1D
Entries 52
Mean −0.01736
Std Dev 0.6

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 42.03 / 51
p0 −103.9 ± 5.83
pull
Entries 52
Mean −4.603
Std Dev 32.73

pull1D
Entries 52
Mean 0.04229
Std Dev 0.8981

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 55.11 / 51
p0 17.39 ± 2.236
pull
Entries 52
Mean 516.6
Std Dev 483

pull1D
Entries 52
Mean −0.00766
Std Dev 1.029

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 40.42 / 51
p0 54.71 ± 6.176
pull
Entries 52
Mean −4.394
Std Dev 32.07

pull1D
Entries 52
Mean −0.04037
Std Dev 0.8807

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 53.87 / 51
p0 −27.02 ± 2.874
pull
Entries 52
Mean 219.2
Std Dev 182.6

pull1D
Entries 52
Mean 0.01456
Std Dev 1.018

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 65.97 / 51
p0 −25.69 ± 0.2597
pull
Entries 52
Mean 11.62
Std Dev 18.54

pull1D
Entries 52
Mean 0.06485
Std Dev 1.125

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 6.778 / 51
p0 −573.2 ± 19.04
pull
Entries 52
Mean 204.3
Std Dev 182.4

pull1D
Entries 52
Mean −0.01443
Std Dev 0.3607

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.022 / 51
p0 −26.94 ± 7.288
pull
Entries 52
Mean 2.24e+04
Std Dev 2.238e+04

pull1D
Entries 52
Mean 4.654e−05
Std Dev 0.2781

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 6.758 / 51
p0 748.7 ± 20.17
pull
Entries 52
Mean 197.3
Std Dev 175.7

pull1D
Entries 52
Mean 0.01467
Std Dev 0.3602

reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 4.138 / 51
p0 163.6 ± 9.379
pull
Entries 52
Mean 1711
Std Dev 1688

pull1D
Entries 52
Mean −0.0009216
Std Dev 0.2821

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.35 / 51
p0 −243 ± 0.8476
pull
Entries 52
Mean 78.35
Std Dev 59.99

pull1D
Entries 52
Mean −0.0157
Std Dev 0.5065

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 13.76 / 51
p0 −263.9 ± 7.03
pull
Entries 52
Mean 666.3
Std Dev 639.7

pull1D
Entries 52
Mean −0.00528
Std Dev 0.5144

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.26 / 51
p0 3.17 ± 2.692
pull
Entries 52
Mean −112.7
Std Dev 138.1

pull1D
Entries 52
Mean −0.01839
Std Dev 0.4439

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 13.9 / 51
p0 281.2 ± 7.448
pull
Entries 52
Mean 530.7
Std Dev 504.4
pull1D
Entries 52
Mean 0.006512
Std Dev 0.517

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.43 / 51
p0 44.11 ± 3.463
pull
Entries 52
Mean −148.5
Std Dev 174.3

pull1D
Entries 52
Mean 0.01484
Std Dev 0.4686

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 16.84 / 51
p0 −106.6 ± 0.313
pull
Entries 52
Mean 269.3
Std Dev 235.2

pull1D
Entries 52
Mean −0.006479
Std Dev 0.5691

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ² / ndf 18.58 / 51
p0 232.5 ± 5.27
pull
Entries 52
Mean 236.6
Std Dev 221.4

pull1D
Entries 52
Mean 0.007613
Std Dev 0.5977

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.65 / 51
p0 10.26 ± 2.02
pull
Entries 52
Mean −47.99
Std Dev 68.21

pull1D
Entries 52
Mean −0.01013
Std Dev 0.5824

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 18.38 / 51
p0 −205.4 ± 5.584
pull
Entries 52
Mean 215.8
Std Dev 201.9

pull1D
Entries 52
Mean −0.007455
Std Dev 0.5944

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.42 / 51
p0 −65.58 ± 2.597
pull
Entries 52
Mean −12.96
Std Dev 37.74

pull1D
Entries 52
Mean 0.007523
Std Dev 0.5952

reg_asym_atl_dd_diff_bpm12X_slope vs run

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 9.795 / 51
p0 −338.4 ± 9.868
pull
Entries 52
Mean −3277
Std Dev 3300

pull1D
Entries 52
Mean 0.0009014
Std Dev 0.434

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.918 / 51
p0 −4.576 ± 3.778
pull
Entries 52
Mean 147.2
Std Dev 35.47

pull1D
Entries 52
Mean −0.001987
Std Dev 0.4141

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 9.418 / 51
p0 401.6 ± 10.45
pull
Entries 52
Mean −7.648e+05
Std Dev 7.649e+05

pull1D
Entries 52
Mean −3.77e−06
Std Dev 0.4256

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.717 / 51
p0 67.97 ± 4.862
pull
Entries 52
Mean −101.3
Std Dev 99

pull1D
Entries 52
Mean 0.004189
Std Dev 0.4094

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 25.56 / 51
p0 −134.3 ± 0.4394
pull
Entries 52
Mean −238.9
Std Dev 261.8

pull1D
Entries 52
Mean 0.005101
Std Dev 0.7011

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 10.36 / 51
p0 234.9 ± 10.13
pull
Entries 52
Mean 97.39
Std Dev 76.8

pull1D
Entries 52
Mean 0.02756
Std Dev 0.4455

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.27 / 51
p0 22.26 ± 3.88
pull
Entries 52
Mean 3196
Std Dev 3168

pull1D
Entries 52
Mean −0.0006848
Std Dev 0.3988

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.23 / 51
p0 −347.3 ± 10.74
pull
Entries 52
Mean 97.94
Std Dev 77.61
pull1D
Entries 52
Mean −0.02701
Std Dev 0.4427

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.271 / 51
p0 −95.42 ± 4.994
pull
Entries 52
Mean 649.9
Std Dev 622.2

pull1D
Entries 52
Mean 0.003793
Std Dev 0.3988

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.66 / 51
p0 108.7 ± 0.4512
pull
Entries 52
Mean 33.87
Std Dev 23.74

pull1D
Entries 52
Mean 0.03473
Std Dev 0.5476

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ² / ndf 55.15 / 51
p0 −67.48 ± 3.924
pull
Entries 52
Mean −69.94
Std Dev 101.3

pull1D
Entries 52
Mean 0.03033
Std Dev 1.029

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 47.29 / 51
p0 15.29 ± 1.505
pull
Entries 52
Mean 30.94
Std Dev 47.72

pull1D
Entries 52
Mean −0.02089
Std Dev 0.9534

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.82 / 51
p0 65.01 ± 4.158
pull
Entries 52
Mean −80.31
Std Dev 111.1
pull1D
Entries 52
Mean −0.02731
Std Dev 1.026

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 48.76 / 51
p0 −24.08 ± 1.934
pull
Entries 52
Mean 10.35
Std Dev 41.95

pull1D
Entries 52
Mean 0.0209
Std Dev 0.9681

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 58.65 / 51
p0 −22.4 ± 0.1748
pull
Entries 52
Mean 3.376
Std Dev 40.12

pull1D
Entries 52
Mean 0.06377
Std Dev 1.06

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 37.69 / 51
p0 36.36 ± 4.09
pull
Entries 52
Mean 51
Std Dev 6.284

pull1D
Entries 52
Mean −0.03466
Std Dev 0.8507

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 47.27 / 51
p0 −2.108 ± 1.568
pull
Entries 52
Mean −383.6
Std Dev 412.8
pull1D
Entries 52
Mean −0.01312
Std Dev 0.9533

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 37.43 / 51
p0 10.37 ± 4.333
pull
Entries 52
Mean 54.15
Std Dev 12.5

pull1D
Entries 52
Mean 0.03447
Std Dev 0.8477

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 48.8 / 51
p0 2.975 ± 2.016
pull
Entries 52
Mean −1898
Std Dev 1929

pull1D
Entries 52
Mean 0.002308
Std Dev 0.9687

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 48.48 / 51
p0 3.268 ± 0.1822
pull
Entries 52
Mean 21.04
Std Dev 36.88

pull1D
Entries 52
Mean −0.03938
Std Dev 0.9647

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 5.952 / 51
p0 −534.7 ± 14.65
pull
Entries 52
Mean 250.8
Std Dev 228.2

pull1D
Entries 52
Mean −0.01227
Std Dev 0.3381

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.412 / 51
p0 −16.99 ± 5.609
pull
Entries 52
Mean −369.7
Std Dev 393.4

pull1D
Entries 52
Mean −0.00292
Std Dev 0.2561

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.847 / 51
p0 617.6 ± 15.52
pull
Entries 52
Mean 235.4
Std Dev 213.3

pull1D
Entries 52
Mean 0.01271
Std Dev 0.3351

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 3.637 / 51
p0 136.6 ± 7.217
pull
Entries 52
Mean −754
Std Dev 778.1

pull1D
Entries 52
Mean 0.002023
Std Dev 0.2645

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.38 / 51
p0 −218.5 ± 0.6522
pull
Entries 52
Mean 89.16
Std Dev 68.81

pull1D
Entries 52
Mean −0.01742
Std Dev 0.5256

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.94 / 51
p0 −38.58 ± 5.368
pull
Entries 52
Mean 123.3
Std Dev 104.6

pull1D
Entries 52
Mean −0.0168
Std Dev 0.5175

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 14.8 / 51
p0 −9.9 ± 2.056
pull
Entries 52
Mean 111.4
Std Dev 101.6

pull1D
Entries 52
Mean 0.006478
Std Dev 0.5335

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 14.02 / 51
p0 131.2 ± 5.688
pull
Entries 52
Mean 126.4
Std Dev 107.8

pull1D
Entries 52
Mean 0.01676
Std Dev 0.5189

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.38 / 51
p0 26.94 ± 2.645
pull
Entries 52
Mean 184.3
Std Dev 164.9

pull1D
Entries 52
Mean −0.007622
Std Dev 0.5258

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 17.24 / 51
p0 −24.49 ± 0.239
pull
Entries 52
Mean −0.007702
Std Dev 74.58

pull1D
Entries 52
Mean −0.002897
Std Dev 0.5758

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.885 / 51
p0 −302.4 ± 10.9
pull
Entries 52
Mean 281.1
Std Dev 256.6

pull1D
Entries 52
Mean −0.01163
Std Dev 0.4358

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.61 / 51
p0 −6.686 ± 4.171
pull
Entries 52
Mean −180.1
Std Dev 203.1
pull1D
Entries 52
Mean −0.009316
Std Dev 0.3564

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.04 / 51
p0 412.4 ± 11.54
pull
Entries 52
Mean 264.5
Std Dev 240.3
pull1D
Entries 52
Mean 0.01229
Std Dev 0.4392

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.945 / 51
p0 70.98 ± 5.367
pull
Entries 52
Mean −316.4
Std Dev 340.4

pull1D
Entries 52
Mean 0.006634
Std Dev 0.3654

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.08 / 51
p0 −131.1 ± 0.4851
pull
Entries 52
Mean 140.3
Std Dev 108.8
pull1D
Entries 52
Mean −0.00845
Std Dev 0.4819

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 10.34 / 51
p0 270.8 ± 8.805
pull
Entries 52
Mean 141.6
Std Dev 124.6

pull1D
Entries 52
Mean 0.01644
Std Dev 0.4456

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.544 / 51
p0 20.23 ± 3.371
pull
Entries 52
Mean 15.03
Std Dev 26.29

pull1D
Entries 52
Mean −0.01119
Std Dev 0.3546

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.29 / 51
p0 −336.4 ± 9.329
pull
Entries 52
Mean 138.2
Std Dev 121.7

pull1D
Entries 52
Mean −0.01619
Std Dev 0.4446

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.101 / 51
p0 −92.57 ± 4.338
pull
Entries 52
Mean 81.91
Std Dev 63.65

pull1D
Entries 52
Mean 0.009818
Std Dev 0.3694

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.44 / 51
p0 111.9 ± 0.392
pull
Entries 52
Mean 52.41
Std Dev 50.94

pull1D
Entries 52
Mean 0.02238
Std Dev 0.611

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 16.26 / 51
p0 −300.2 ± 6.324
pull
Entries 52
Mean −154.6
Std Dev 179

pull1D
Entries 52
Mean 0.01798
Std Dev 0.5589

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.68 / 51
p0 5.155 ± 2.423
pull
Entries 52
Mean 137.4
Std Dev 93.48
pull1D
Entries 52
Mean −0.006524
Std Dev 0.5313

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.4 / 51
p0 270.8 ± 6.701
pull
Entries 52
Mean −166.5
Std Dev 190.5
pull1D
Entries 52
Mean −0.01597
Std Dev 0.5439

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.6 / 51
p0 41.36 ± 3.116
pull
Entries 52
Mean 32.68
Std Dev 54.71

pull1D
Entries 52
Mean 0.008646
Std Dev 0.5299

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.67 / 51
p0 −109.8 ± 0.2817
pull
Entries 52
Mean −71.57
Std Dev 96.18
pull1D
Entries 52
Mean 0.02071
Std Dev 0.8841

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 13.54 / 51
p0 196.2 ± 6.334
pull
Entries 52
Mean 87.74
Std Dev 65.58
pull1D
Entries 52
Mean 0.03002
Std Dev 0.5094

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.08 / 51
p0 12.4 ± 2.427
pull
Entries 52
Mean −1332
Std Dev 1363

pull1D
Entries 52
Mean 0.002196
Std Dev 0.6215

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.06 / 51
p0 −215.9 ± 6.711
pull
Entries 52
Mean 86.08
Std Dev 64.24
pull1D
Entries 52
Mean −0.02943
Std Dev 0.5003

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.72 / 51
p0 −68.62 ± 3.122
pull
Entries 52
Mean 886.5
Std Dev 855.5

pull1D
Entries 52
Mean 0.003217
Std Dev 0.6158

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.1 / 51
p0 84.2 ± 0.2821
pull
Entries 52
Mean 39.88
Std Dev 22.29

pull1D
Entries 52
Mean 0.05128
Std Dev 0.6645

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 9.43 / 51
p0 233.7 ± 7.117
pull
Entries 52
Mean 110.9
Std Dev 92.03

pull1D
Entries 52
Mean 0.02296
Std Dev 0.4252

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.052 / 51
p0 16.35 ± 2.725
pull
Entries 52
Mean 252.7
Std Dev 223.2

pull1D
Entries 52
Mean −0.005684
Std Dev 0.3682

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.233 / 51
p0 −276.3 ± 7.541
pull
Entries 52
Mean 108.5
Std Dev 90.03
pull1D
Entries 52
Mean −0.0226
Std Dev 0.4208

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.261 / 51
p0 −80.61 ± 3.507
pull
Entries 52
Mean 254.5
Std Dev 226.4

pull1D
Entries 52
Mean 0.006999
Std Dev 0.3736

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 17.99 / 51
p0 98.08 ± 0.3169
pull
Entries 52
Mean 41.5
Std Dev 35.18

pull1D
Entries 52
Mean 0.0346
Std Dev 0.5872

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 21.61 / 51
p0 −1.293 ± 3.822
pull
Entries 52
Mean 79.49
Std Dev 55.22

pull1D
Entries 52
Mean −0.02968
Std Dev 0.6439

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ2 / ndf 21.16 / 51
p0 −5.911 ± 1.464
pull
Entries 52
Mean −358.8
Std Dev 385.2

pull1D
Entries 52
Mean −0.008654
Std Dev 0.6378

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.66 / 51
p0 70.97 ± 4.049
pull
Entries 52
Mean 83.35
Std Dev 59.34

pull1D
Entries 52
Mean 0.02933
Std Dev 0.6447

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.03 / 51
p0 14.8 ± 1.884
pull
Entries 52
Mean −1172
Std Dev 1199

pull1D
Entries 52
Mean 0.002723
Std Dev 0.636

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 22.29 / 51
p0 −10.63 ± 0.1702
pull
Entries 52
Mean 12.26
Std Dev 23.96
pull1D
Entries 52
Mean −0.02261
Std Dev 0.6543

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.881 / 51
p0 −0.6292 ± 3.087
pull
Entries 52
Mean −64.53
Std Dev 80.62

pull1D
Entries 52
Mean −0.01056
Std Dev 0.3361

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ2 / ndf 9.301 / 51
p0 341.3 ± 8.543
pull
Entries 52
Mean 1090
Std Dev 1066

pull1D
Entries 52
Mean 0.003019
Std Dev 0.4229

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.154 / 51
p0 55.96 ± 3.972
pull
Entries 52
Mean −117.4
Std Dev 137.4

pull1D
Entries 52
Mean 0.01013
Std Dev 0.3439

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 19.53 / 51
p0 −120.4 ± 0.359
pull
Entries 52
Mean 705.7
Std Dev 677.4

pull1D
Entries 52
Mean −0.002311
Std Dev 0.6128

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ2 / ndf 24.59 / 51
p0 37.44 ± 2.888
pull
Entries 52
Mean −66.18
Std Dev 67.82

pull1D
Entries 52
Mean −0.01023
Std Dev 0.6876

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ2 / ndf 36.86 / 51
p0 3.799 ± 1.107
pull
Entries 52
Mean −239.6
Std Dev 272

pull1D
Entries 52
Mean −0.01285
Std Dev 0.8418

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.25 / 51
p0 −11.81 ± 1.424
pull
Entries 52
Mean −438.9
Std Dev 475.7

pull1D
Entries 52
Mean 0.00469
Std Dev 0.8464

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 46.44 / 51
p0 13.87 ± 0.1286
pull
Entries 52
Mean 18.74
Std Dev 41.42
pull1D
Entries 52
Mean −0.02933
Std Dev 0.9445

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 61.31 / 51
p0 1.702 ± 0.3825
pull
Entries 52
Mean 98.23
Std Dev 63.06
pull1D
Entries 52
Mean 0.05148
Std Dev 1.085

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 60.23 / 51
p0 −1.762 ± 0.4052
pull
Entries 52
Mean 103.1
Std Dev 69.17
pull1D
Entries 52
Mean −0.04832
Std Dev 1.075

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 104 / 51
p0 −1.752 ± 0.1877
pull
Entries 52
Mean 95.02
Std Dev 60.44

pull1D
Entries 52
Mean −0.1316
Std Dev 1.408

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 66.93 / 51
p0 0.1245 ± 0.017
pull
Entries 52
Mean 64.47
Std Dev 11.78

pull1D
Entries 52
Mean 0.08684
Std Dev 1.131

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 61.05 / 51
p0 1.518 ± 0.382
pull
Entries 52
Mean 95.26
Std Dev 59.94

pull1D
Entries 52
Mean 0.05464
Std Dev 1.082

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 94.13 / 51
p0 1.066 ± 0.1461
pull
Entries 52
Mean 84.14
Std Dev 47.33

pull1D
Entries 52
Mean 0.1164
Std Dev 1.34

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 59.93 / 51
p0 −1.57 ± 0.4047
pull
Entries 52
Mean 99.47
Std Dev 65.34

pull1D
Entries 52
Mean −0.05162
Std Dev 1.072

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 102.7 / 51
p0 −1.736 ± 0.1875
pull
Entries 52
Mean 95.92
Std Dev 61.3

pull1D
Entries 52
Mean −0.1278
Std Dev 1.399

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 68.15 / 51
p0 0.1203 ± 0.01698
pull
Entries 52
Mean 65.72
Std Dev 16.44
pull1D
Entries 52
Mean 0.08861
Std Dev 1.141

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 60.55 / 51
p0 1.492 ± 0.3833
pull
Entries 52
Mean 96.94
Std Dev 62.23

pull1D
Entries 52
Mean 0.05107
Std Dev 1.078

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 59.57 / 51
p0 −1.572 ± 0.4061
pull
Entries 52
Mean 101.7
Std Dev 68.25

pull1D
Entries 52
Mean −0.04818
Std Dev 1.069

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 101 / 51
p0 −1.803 ± 0.1881
pull
Entries 52
Mean 93.28
Std Dev 58.36

pull1D
Entries 52
Mean −0.1288
Std Dev 1.388

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 66.49 / 51
p0 0.1191± 0.01704
pull
Entries 52
Mean 67.57
Std Dev 18.63
pull1D
Entries 52
Mean 0.08464
Std Dev 1.128

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 56.87 / 51
p0 1.765 ± 0.3929
pull
Entries 52
Mean 96.97
Std Dev 60.59

pull1D
Entries 52
Mean 0.04255
Std Dev 1.045

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 94.88 / 51
p0 1.114 ± 0.1503
pull
Entries 52
Mean 75.61
Std Dev 38.88

pull1D
Entries 52
Mean 0.1252
Std Dev 1.345

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 56.19 / 51
p0 −1.848 ± 0.4162
pull
Entries 52
Mean 103.3
Std Dev 68.34
pull1D
Entries 52
Mean −0.03946
Std Dev 1.039

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 101.1 / 51
p0 −1.838 ± 0.1928
pull
Entries 52
Mean 85.24
Std Dev 50.78

pull1D
Entries 52
Mean −0.1375
Std Dev 1.387

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 60.98 / 51
p0 0.1354 ± 0.01746
pull
Entries 52
Mean 90.98
Std Dev 50.24
pull1D
Entries 52
Mean 0.07172
Std Dev 1.081

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 62.16 / 51
p0 1.764 ± 0.3818
pull
Entries 52
Mean 99.55
Std Dev 63.37
pull1D
Entries 52
Mean 0.05009
Std Dev 1.092

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 93.73 / 51
p0 1.126 ± 0.146
pull
Entries 52
Mean 93.85
Std Dev 59.24

pull1D
Entries 52
Mean 0.1073
Std Dev 1.338

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 61.14 / 51
p0 −1.821 ± 0.4045
pull
Entries 52
Mean 103.3
Std Dev 68.36

pull1D
Entries 52
Mean −0.04772
Std Dev 1.083

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 79.17 / 51
p0 0.1352 ± 0.01697
pull
Entries 52
Mean 62.04
Std Dev 12.12
pull1D
Entries 52
Mean 0.08781
Std Dev 1.231