dit_asym_us_avg_mean vs run
χ² / ndf 80.98 / 86
p0 2399 ± 885.6
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 17.22
Std Dev 58.32
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.01042
Std Dev 0.9647
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run
$\chi^2$ / ndf 243.3 / 86
p0 805.6 ± 0.6262
830
820
810
800
790
780

asym_us_avg_correction_mean vs run
$\chi^2$ / ndf 73.99 / 86
p0 −3795 ± 1489
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 12.05
Std Dev 35
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.008278
Std Dev 0.9222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_avg_correction_rms vs run
$\chi^2$ / ndf 9615 / 86
p0 1351 ± 1.053
1600
1500
1400
1300
1200

asym_us_avg_mean vs run
χ² / ndf 76.51 / 86
p0 6129 ± 1710
pull
Entries 87
Mean 35.95
Std Dev 80.93
pull1D
Entries 87
Mean 0.003476
Std Dev 0.9377

asym_us_avg_rms vs run
χ² / ndf 5734 / 86
p0 1553 ± 1.209
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350

dit_asym_us_dd_mean vs run
$\chi^2$ / ndf 75.61 / 86
p0 555.6 ± 863.5
pull
Entries 87
Mean −885.3
Std Dev 923.9
pull1D
Entries 87
Mean −0.001837
Std Dev 0.9322

dit_asym_us_dd_rms vs run
χ² / ndf 318.3 / 86
p0 785.5 ± 0.6106
810
800
790
780
770
760

asym_us_dd_correction_mean vs run
χ² / ndf 75.28 / 86
p0 −5671 ± 1917
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −533.4
Std Dev 584.7
3
2
1
0
−1
pull1D
Entries 87
Mean −0.001387
Std Dev 0.9302
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_correction_rms vs run
χ2 / ndf 3621 / 86
p0 1742 ± 1.356
1950
1900
1850
1800
1750
1700
1650
1600
1550

asym_us_dd_mean vs run
χ² / ndf 67.37 / 86
p0 1413 ± 1041
pull
Entries 87
Mean 635.1
Std Dev 606.7
pull1D
Entries 87
Mean 0.003347
Std Dev 0.88

asym_us_dd_rms vs run
χ² / ndf 999.4 / 86
p0 946.6 ± 0.7359
1020
1000
980
960
940
920
900

dit_asym_usl_mean vs run
χ² / ndf 80.78 / 86
p0 2976 ± 1244
pull
Entries 87
Mean −102.4
Std Dev 129.8
pull1D
Entries 87
Mean −0.009588
Std Dev 0.9635

dit_asym_usl_rms vs run
χ² / ndf 273.9 / 86
p0 1132 ± 0.8798
1180
1170
1160
1150
1140
1130
1120
1110
1100
1090

asym_usl_correction_mean vs run
χ² / ndf 70.31 / 86
p0 −4587 ± 1658
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 57.67
Std Dev 49.93
pull1D
Entries 87
Mean −0.0128
Std Dev 0.8989

# asym_usl_correction_rms vs run

asym_usl_mean vs run
χ² / ndf 72.55 / 86
p0 7410 ± 2053
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 172.7
Std Dev 150.8
pull1D
Entries 87
Mean 0.007999
Std Dev 0.9132

asym_usl_rms vs run
χ² / ndf 3297 / 86
p0 1866 ± 1.452
2050
2000
1950
1900
1850
1800
1750
1700
1650

dit_asym_usr_mean vs run
χ² / ndf 76.04 / 86
p0 1870 ± 1229
pull
Entries 87
Mean 182.8
Std Dev 129.5
pull1D
Entries 87
Mean −0.007269
Std Dev 0.9349

dit_asym_usr_rms vs run
χ² / ndf 269.2 / 86
p0 1118 ± 0.8693
1160
1150
1140
1130
1120
1110
1100
1090
1080

asym_usr_correction_mean vs run
χ² / ndf 78.28 / 86
p0 −3021 ± 1548
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −505.4
Std Dev 530.3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.001354
Std Dev 0.9485
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_usr_correction_rms vs run

asym_usr_mean vs run
χ² / ndf 74.84 / 86
p0 4855 ± 1955
pull
Entries 87
Mean 494.8
Std Dev 456.2
pull1D
Entries 87
Mean −0.00253
Std Dev 0.9275

asym_usr_rms vs run
χ² / ndf 2906 / 86
p0 1777 ± 1.383
2000
1950
1900
1850
1800
1750
1700
1650
1600

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 84.44 / 86
p0 3269 ± 2030
pull
Entries 87
Mean −37.43
Std Dev 61.11

pull1D
Entries 87
Mean −0.01351
Std Dev 0.9851

# dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ² / ndf 74.11 / 86
p0 −1825 ± 679.7
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 75.3
Std Dev 52.28
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.009143
Std Dev 0.9229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_at1_avg_correction_rms vs run

asym_at1_avg_mean vs run
×10^3
χ² / ndf 84.93 / 86
p0 5110 ± 2135
pull
Entries 87
Mean −67.94
Std Dev 91.68

pull1D
Entries 87
Mean −0.0104
Std Dev 0.988

asym_at1_avg_rms vs run
$\chi^2$ / ndf 7939 / 86
p0 1938 ± 1.51
5500
5000
4500
4000
3500
3000
2500
2000
1500

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 65.5 / 86
p0 2208 ± 2028
pull
Entries 87
Mean −116.4
Std Dev 178

pull1D
Entries 87
Mean 0.006689
Std Dev 0.8677

dit_asym_at1_dd_rms vs run
χ2 / ndf 8370 / 86
p0 1840 ± 1.434
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at1_dd_correction_mean vs run
χ² / ndf 79.86 / 86
p0 232.7 ± 477.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 743.1
Std Dev 725.2
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.002298
Std Dev 0.9581
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_dd_correction_rms vs run
$\chi^2$ / ndf 4520 / 86
p0 433.5 ± 0.3374
520
500
480
460
440
420
400

asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.5 / 86
p0 2071 ± 2083
pull
Entries 87
Mean −302.6
Std Dev 354

pull1D
Entries 87
Mean 0.004127
Std Dev 0.8808

# asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
χ² / ndf 70.23 / 86
p0 −2038 ± 2407
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 87
Mean −109.5
Std Dev 118.1
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.008615
Std Dev 0.8984
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at2_avg_rms vs run
$\chi^2$ / ndf 221.2 / 86
p0 2190 ± 1.702
2300
2250
2200
2150
2100

# asym_at2_avg_correction_mean vs run

# asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 76.92 / 86
p0 2.44e+04 ± 1.058e+04
pull
Entries 87
Mean −21.75
Std Dev 50.13

pull1D
Entries 87
Mean 0.01058
Std Dev 0.9402

asym_at2_avg_rms vs run
χ² / ndf 9313 / 86
p0 9603 ± 7.484
11500
11000
10500
10000
9500
9000
8500
8000

dit_asym_at2_dd_mean vs run
χ² / ndf 87.45 / 86
p0 1445 ± 1989
pull
Entries 87
Mean 143.9
Std Dev 93.79
pull1D
Entries 87
Mean 0.009927
Std Dev 1.003

dit_asym_at2_dd_rms vs run
χ² / ndf 338.8 / 86
p0 1809 ± 1.406
1880
1860
1840
1820
1800
1780
1760
1740

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.29 / 86
p0 5766 ± 4128
pull
Entries 87
Mean 129.5
Std Dev 87.69

pull1D
Entries 87
Mean 0.01343
Std Dev 0.9725

asym_at2_dd_correction_rms vs run
χ² / ndf 357.6 / 86
p0 3755 ± 2.919
3900
3850
3800
3750
3700
3650

asym_at2_dd_mean vs run
χ² / ndf 76.5 / 86
p0 −4319 ± 2283
pull
Entries 87
Mean 120.6
Std Dev 84.38
pull1D
Entries 87
Mean −0.01574
Std Dev 0.9376

asym_at2_dd_rms vs run
χ² / ndf 503.6 / 86
p0 2077 ± 1.615
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 95.29 / 86
p0 2426 ± 2135
pull
Entries 87
Mean −0.5185
Std Dev 23.67

pull1D
Entries 87
Mean 0.006089
Std Dev 1.047

dit_asym_atl_avg_rms vs run
χ2 / ndf 7993 / 86
p0 1938 ± 1.51
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 73.7 / 86
p0 −1.554e+04 ± 6027
pull
Entries 87
Mean 15.83
Std Dev 34.64
pull1D
Entries 87
Mean −0.008676
Std Dev 0.9204

asym_atl_avg_correction_rms vs run
χ² / ndf 9538 / 86
p0 5467 ± 4.262
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
4600

asym_atl_avg_mean vs run
×10^3
χ² / ndf 81.45 / 86
p0 1.803e+04 ± 6300
pull
Entries 87
Mean −9.253
Std Dev 50.85

pull1D
Entries 87
Mean 0.007208
Std Dev 0.9676

asym_atl_avg_rms vs run
$\chi^2$ / ndf 8458 / 86
p0 5717 ± 4.455
7000
6500
6000
5500
5000

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 52.89 / 86
p0 3102 ± 2082
pull
Entries 87
Mean 22.45
Std Dev 77.19

pull1D
Entries 87
Mean −0.01471
Std Dev 0.7795

dit_asym_atl_dd_rms vs run
χ2 / ndf 8176 / 86
p0 1890 ± 1.472
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 72.83 / 86
p0 1.386e+04 ± 5275
pull
Entries 87
Mean 28.31
Std Dev 33.99
pull1D
Entries 87
Mean 0.009901
Std Dev 0.9149

asym_atl_dd_correction_rms vs run
χ² / ndf 9860 / 86
p0 4785 ± 3.73
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000

asym_atl_dd_mean vs run
×10^3
χ² / ndf 78.46 / 86
p0 −1.119e+04 ± 5609
pull
Entries 87
Mean 18.98
Std Dev 28.52

pull1D
Entries 87
Mean −0.01373
Std Dev 0.9495

asym_atl_dd_rms vs run
$\chi^2$ / ndf 8439 / 86
p0 5090 ± 3.966
7000
6500
6000
5500
5000
4500

dit_asym_atr_avg_mean vs run
χ² / ndf 72.83 / 86
p0 −1281 ± 2149
pull
Entries 87
Mean 68.2
Std Dev 75.88
pull1D
Entries 87
Mean −0.008567
Std Dev 0.9149

# dit_asym_atr_avg_rms vs run

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 74.62 / 86
p0 −1.287e+04 ± 5156
pull
Entries 87
Mean 3.681
Std Dev 37.77

pull1D
Entries 87
Mean −0.007342
Std Dev 0.9261

asym_atr_avg_correction_rms vs run
$\chi^2$ / ndf 9385 / 86
p0 4678 ± 3.646
5600
5400
5200
5000
4800
4600
4400
4200
4000

asym_atr_avg_mean vs run
×10^3
χ² / ndf 76.4 / 86
p0 1.129e+04 ± 5494
pull
Entries 87
Mean −16.37
Std Dev 21.59

pull1D
Entries 87
Mean 0.006521
Std Dev 0.9371

# asym_atr_avg_rms vs run

dit_asym_atr_dd_mean vs run
χ² / ndf 84.76 / 86
p0 2173 ± 2115
pull
Entries 87
Mean −226.4
Std Dev 261.7
pull1D
Entries 87
Mean −0.008286
Std Dev 0.987

dit_asym_atr_dd_rms vs run
χ² / ndf 241.8 / 86
p0 1924 ± 1.495
2020
2000
1980
1960
1940
1920
1900
1880
1860

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 75.55 / 86
p0 1.091e+04 ± 4663
pull
Entries 87
Mean −60.58
Std Dev 93.32

pull1D
Entries 87
Mean 0.005316
Std Dev 0.9319

# asym_atr_dd_correction_rms vs run

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 67.81 / 86
p0 −8773 ± 5053
pull
Entries 87
Mean −143.4
Std Dev 178.4

pull1D
Entries 87
Mean −0.008337
Std Dev 0.8828

asym_atr_dd_rms vs run
χ² / ndf 6885 / 86
p0 4588 ± 3.573
5400
5200
5000
4800
4600
4400
4200
4000

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 77.88 / 86
p0 527.7 ± 1601
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 205.6
Std Dev 218.5
pull1D
Entries 87
Mean −0.001919
Std Dev 0.9461

# dit_asym_atl_avg_atr_avg_avg_rms vs run

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 74.12 / 86
p0 −1.421e+04 ± 5588
pull
Entries 87
Mean 10.77
Std Dev 35.44

pull1D
Entries 87
Mean −0.00807
Std Dev 0.923

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 9489 / 86
p0 5069 ± 3.951
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 79.36 / 86
p0 1.456e+04 ± 5711
pull
Entries 87
Mean −9.803
Std Dev 36.1

pull1D
Entries 87
Mean 0.007684
Std Dev 0.955

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 8284 / 86
p0 5183 ± 4.039
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 91.48 / 86
p0 1815 ± 1429
pull
Entries 87
Mean 39.98
Std Dev 42.8
pull1D
Entries 87
Mean 0.01072
Std Dev 1.025

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 5885 / 86
p0 1298 ± 1.011
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 69.85 / 86
p0 −1345 ± 477.4
pull
Entries 87
Mean 45.08
Std Dev 47.45
pull1D
Entries 87
Mean −0.01384
Std Dev 0.896

asym_atl_avg_atr_avg_dd_correction_rms vs run
$\chi^2$ / ndf 7465 / 86
p0 433.3 ± 0.3376
500
480
460
440
420
400
380

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 85.47 / 86
p0 3156 ± 1506
pull
Entries 87
Mean 41.87
Std Dev 44.49
pull1D
Entries 87
Mean 0.01433
Std Dev 0.9911

asym_atl_avg_atr_avg_dd_rms vs run
$\chi^2$ / ndf 5409 / 86
p0 1368 ± 1.065
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 75.89 / 86
p0 2656 ± 1554
pull
Entries 87
Mean −54.97
Std Dev 68.37
pull1D
Entries 87
Mean −0.01752
Std Dev 0.9338

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 5195 / 86
p0 1412 ± 1.099
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 74.12 / 86
p0 1.238e+04 ± 4924
pull
Entries 87
Mean 0.3996
Std Dev 42.4

pull1D
Entries 87
Mean 0.007875
Std Dev 0.923

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.006e+04 / 86
p0 4466 ± 3.481
5400
5200
5000
4800
4600
4400
4200
4000
3800

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 74.88 / 86
p0 −1.011e+04 ± 5092
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean −48.62
Std Dev 80.02
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01044
Std Dev 0.9276
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.43 / 86
p0 341.6 ± 1417
pull
Entries 87
Mean 624.1
Std Dev 567.7
pull1D
Entries 87
Mean −0.002492
Std Dev 0.8403

# dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 71.97 / 86
p0 1587 ± 729.5
pull
Entries 87
Mean 142.8
Std Dev 133.3
pull1D
Entries 87
Mean 0.009679
Std Dev 0.9095

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3248 / 86
p0 663 ± 0.5158
760
740
720
700
680
660
640
620
600

asym_atl_dd_atr_dd_dd_mean vs run
$\chi^2$ / ndf 61.78 / 86
p0 −1172 ± 1591
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean 241.4
Std Dev 198.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean −0.009084
Std Dev 0.8426
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_rms vs run
$\chi^2$ / ndf 5428 / 86
p0 1445 ± 1.125
3000
2800
2600
2400
2200
2000
1800
1600
1400

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 68.96 / 86
p0 5556 ± 2680
pull
Entries 87
Mean 33.3
Std Dev 157.5

pull1D
Entries 87
Mean −0.002509
Std Dev 0.8903

dit_asym_atl1_rms vs run
χ2 / ndf 1.112e+04 / 86
p0 2430 ± 1.895
10000
8000
6000
4000
2000

asym_atl1_correction_mean vs run
χ² / ndf 80.19 / 86
p0 −1667 ± 873.7
pull
Entries 87
Mean −798.4
Std Dev 821.6
pull1D
Entries 87
Mean −0.0008748
Std Dev 0.96

asym_atl1_correction_rms vs run
$\chi^2$ / ndf 5051 / 86
p0 793.7 ± 0.6178
900
850
800
750
700

asym_atl1_mean vs run
×10^3
χ² / ndf 69.9 / 86
p0 7268 ± 2814
pull
Entries 87
Mean 116.1
Std Dev 132.4

pull1D
Entries 87
Mean −0.002237
Std Dev 0.8963

asym_atl1_rms vs run
χ2 / ndf 1.081e+04 / 86
p0 2551 ± 1.99
10000
8000
6000
4000
2000

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 77.17 / 86
p0 −617.4 ± 3242
100
50
0
−50
−100
pull
Entries 87
Mean 16.76
Std Dev 67.99
2
1
0
−1
−2

pull1D
Entries 87
Mean 0.01289
Std Dev 0.9417
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl2_rms vs run
χ² / ndf 274.8 / 86
p0 2949 ± 2.293
3050
3000
2950
2900
2850

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 73.29 / 86
p0 −2.941e+04 ± 1.129e+04
pull
Entries 87
Mean 22.1
Std Dev 33.71
pull1D
Entries 87
Mean −0.009262
Std Dev 0.9178

# asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 80.49 / 86
p0 2.865e+04 ± 1.154e+04
pull
Entries 87
Mean 14.04
Std Dev 12.44

pull1D
Entries 87
Mean 0.01301
Std Dev 0.9617

# asym_atl2_rms vs run

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 79.47 / 86
p0 916.2 ± 3032
pull
Entries 87
Mean −73.82
Std Dev 119.3

pull1D
Entries 87
Mean −0.01227
Std Dev 0.9557

# dit_asym_atr1_rms vs run

asym_atr1_correction_mean vs run
χ² / ndf 68.85 / 86
p0 −2055 ± 787.5
pull
Entries 87
Mean 168.8
Std Dev 150
pull1D
Entries 87
Mean −0.00951
Std Dev 0.8896

# asym_atr1_correction_rms vs run

asym_atr1_mean vs run
×10^3
χ² / ndf 81.01 / 86
p0 2910 ± 3128
pull
Entries 87
Mean −157.1
Std Dev 197.5

pull1D
Entries 87
Mean −0.008573
Std Dev 0.9649

asym_atr1_rms vs run
χ² / ndf 283.8 / 86
p0 2845 ± 2.211
2950
2900
2850
2800
2750

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 77.4 / 86
p0 −3432 ± 2999
pull
Entries 87
Mean 2537
Std Dev 2510

pull1D
Entries 87
Mean −0.0006839
Std Dev 0.9432

dit_asym_atr2_rms vs run
χ² / ndf 229.1 / 86
p0 2728 ± 2.12
2840
2820
2800
2780
2760
2740
2720
2700
2680
2660
2640

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 75.08 / 86
p0 −2.378e+04 ± 9800
pull
Entries 87
Mean −21.63
Std Dev 57.5

pull1D
Entries 87
Mean −0.006395
Std Dev 0.929

# asym_atr2_correction_rms vs run

asym_atr2_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 71.8 / 86
p0 2.009e+04 ± 1.007e+04
pull
Entries 87
Mean −87.15
Std Dev 118.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 87
Mean 0.007662
Std Dev 0.9084
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run
χ² / ndf 8441 / 86
p0 9142 ± 7.123
11000
10500
10000
9500
9000
8500
8000

dit_asym_sam1_mean vs run
χ² / ndf 84.67 / 86
p0 −314.7 ± 90.29
pull
Entries 87
Mean 368.2
Std Dev 322.4
pull1D
Entries 87
Mean −0.0142
Std Dev 0.9864

dit_asym_sam1_rms vs run
χ² / ndf 530.9 / 86
p0 82.13 ± 0.06384
87
86
85
84
83
82
81
80
79
78

asym_sam1_correction_mean vs run
χ² / ndf 98.87 / 86
p0 −140.6 ± 312.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −104
Std Dev 121.8
pull1D
Entries 87
Mean 0.01598
Std Dev 1.066

# asym_sam1_correction_rms vs run

asym_sam1_mean vs run
χ² / ndf 91.98 / 86
p0 −162.1 ± 313.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −3.791
Std Dev 56.15
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.02197
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ² / ndf 3321 / 86
p0 284.6 ± 0.2214
320
310
300
290
280
270
260

dit_asym_sam2_mean vs run
χ² / ndf 85.11 / 86
p0 −818.6 ± 340.1
pull
Entries 87
Mean 720.7
Std Dev 674.7
pull1D
Entries 87
Mean −0.005307
Std Dev 0.989

dit_asym_sam2_rms vs run
$\chi^2$ / ndf 903.2 / 86
p0 309.3 ± 0.2405
330
325
320
315
310
305
300
295
290

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 78.92 / 86
p0 −1618 ± 2282
pull
Entries 87
Mean −269.7
Std Dev 292.2

pull1D
Entries 87
Mean 0.008042
Std Dev 0.9524

# asym_sam2_correction_rms vs run

asym_sam2_mean vs run
×10^3
χ² / ndf 77.16 / 86
p0 802.6 ± 2217
pull
Entries 87
Mean −174
Std Dev 188.6

pull1D
Entries 87
Mean −0.009275
Std Dev 0.9417

asym_sam2_rms vs run
$\chi^2$ / ndf 3158 / 86
p0 2015 ± 1.568
2200
2100
2000
1900
1800

dit_asym_sam3_mean vs run
χ² / ndf 71.96 / 86
p0 −210.8 ± 113.5
pull
Entries 87
Mean −254
Std Dev 281.2
pull1D
Entries 87
Mean 0.01012
Std Dev 0.9094

dit_asym_sam3_rms vs run
$\chi^2$ / ndf 3991 / 86
p0 103.1 ± 0.08025
135
130
125
120
115
110
105
100
95

asym_sam3_correction_mean vs run
$\chi^2$ / ndf 78.17 / 86
p0 −1235 ± 1137
pull
Entries 87
Mean 241.1
Std Dev 226.6
pull1D
Entries 87
Mean −0.006462
Std Dev 0.9478

# asym_sam3_correction_rms vs run

asym_sam3_mean vs run
χ² / ndf 78.71 / 86
p0 1003 ± 1086
pull
Entries 87
Mean 155.7
Std Dev 144.5
pull1D
Entries 87
Mean 0.008762
Std Dev 0.9511

asym_sam3_rms vs run
χ² / ndf 8448 / 86
p0 985.5 ± 0.7679
1200
1150
1100
1050
1000
950
900
850

dit_asym_sam4_mean vs run
χ² / ndf 62.53 / 86
p0 −17.9 ± 309.2
pull
Entries 87
Mean −5274
Std Dev 5320
pull1D
Entries 87
Mean −0.001039
Std Dev 0.8478

dit_asym_sam4_rms vs run
χ² / ndf 2082 / 86
p0 281.2 ± 0.2187
300
290
280
270
260

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.81 / 86
p0 −2619 ± 2475
pull
Entries 87
Mean 16.63
Std Dev 49.04

pull1D
Entries 87
Mean −0.01864
Std Dev 1.01

asym_sam4_correction_rms vs run
χ² / ndf 5308 / 86
p0 2248 ± 1.75
2600
2500
2400
2300
2200
2100

asym_sam4_mean vs run
×10^3
χ² / ndf 85.54 / 86
p0 2640 ± 2440
pull
Entries 87
Mean 54.22
Std Dev 40.96

pull1D
Entries 87
Mean 0.01787
Std Dev 0.9914

asym_sam4_rms vs run
χ² / ndf 5843 / 86
p0 2216 ± 1.725
2600
2500
2400
2300
2200
2100
2000

dit_asym_sam5_mean vs run
$\chi^2$ / ndf 70.3 / 86
p0 225.7 ± 178.6
6000
4000
2000
0
−2000
−4000
pull
Entries 87
Mean 1904
Std Dev 1858
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 87
Mean 0.002801
Std Dev 0.8989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam5_rms vs run

asym_sam5_correction_mean vs run
χ² / ndf 98.89 / 86
p0 −213.9 ± 979.9
pull
Entries 87
Mean −65.17
Std Dev 92.48
pull1D
Entries 87
Mean −0.01993
Std Dev 1.066

# asym_sam5_correction_rms vs run

asym_sam5_mean vs run
$\chi^2$ / ndf 92.46 / 86
p0 437.7 ± 965.7
pull
Entries 87
Mean −16.58
Std Dev 16.77
pull1D
Entries 87
Mean 0.02088
Std Dev 1.031

asym_sam5_rms vs run
χ² / ndf 5861 / 86
p0 877 ± 0.6829
1000
950
900
850
800
750

dit_asym_sam6_mean vs run
$\chi^2$ / ndf 75.11 / 86
p0 377.2 ± 177.1
pull
Entries 87
Mean 498.6
Std Dev 454.4
pull1D
Entries 87
Mean 0.01009
Std Dev 0.9291

# dit_asym_sam6_rms vs run

asym_sam6_correction_mean vs run
χ² / ndf 84.63 / 86
p0 443.9 ± 975.5
pull
Entries 87
Mean −163.4
Std Dev 188.2
pull1D
Entries 87
Mean −0.01383
Std Dev 0.9862

asym_sam6_correction_rms vs run
χ² / ndf 3056 / 86
p0 886.7 ± 0.6898
1000
950
900
850
800

asym_sam6_mean vs run
χ² / ndf 80.47 / 86
p0 −69.53 ± 985.6
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 87
Mean −86.79
Std Dev 102.2
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.01565
Std Dev 0.9616
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_rms vs run
χ² / ndf 3327 / 86
p0 895.8 ± 0.6969
1000
950
900
850
800

dit_asym_sam7_mean vs run
$\chi^2$ / ndf 68.22 / 86
p0 126.5 ± 88.16
pull
Entries 87
Mean 1567
Std Dev 1520
pull1D
Entries 87
Mean 0.002907
Std Dev 0.8855

dit_asym_sam7_rms vs run
χ² / ndf 175.8 / 86
p0 80.2 ± 0.06234
84
83
82
81
80
79
78

asym_sam7_correction_mean vs run
χ² / ndf 81.66 / 86
p0 −448.5 ± 405.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 230.2
Std Dev 228.4
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.004954
Std Dev 0.9688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 78.58 / 86
p0 573.3 ± 396.1
pull
Entries 87
Mean 371.8
Std Dev 349.2
pull1D
Entries 87
Mean 0.005792
Std Dev 0.9504

# asym_sam7_rms vs run

dit_asym_sam8_mean vs run
χ² / ndf 87.76 / 86
p0 −220.8 ± 74.44
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −349.7
Std Dev 401.7
pull1D
Entries 87
Mean −0.00354
Std Dev 1.004
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam8_rms vs run
χ² / ndf 239.8 / 86
p0 67.72 ± 0.05264
71
70
69
68
67
66
65

asym_sam8_correction_mean vs run
χ² / ndf 78.96 / 86
p0 −522.8 ± 321
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 35.63
Std Dev 131.7
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.005872
Std Dev 0.9526
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 73.2 / 86
p0 303.3 ± 315.4
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 96.18
Std Dev 153.1
pull1D
Entries 87
Mean 0.004742
Std Dev 0.9172

asym_sam8_rms vs run
χ² / ndf 6124 / 86
p0 286.4 ± 0.223
340
330
320
310
300
290
280
270
260

dit_asym_sam_15_avg_mean vs run
χ² / ndf 73.32 / 86
p0 −39.56 ± 71.08
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −358.2
Std Dev 402.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 87
Mean −0.009159
Std Dev 0.918
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ² / ndf 95.34 / 86
p0 −177 ± 355
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −55.66
Std Dev 88.42
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.02018
Std Dev 1.047
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_correction_rms vs run
χ² / ndf 5948 / 86
p0 322.4 ± 0.251
360
340
320
300
280

asym_sam_15_avg_mean vs run
χ² / ndf 90.25 / 86
p0 149.4 ± 352
pull
Entries 87
Mean −35.46
Std Dev 61.44
pull1D
Entries 87
Mean 0.01672
Std Dev 1.018

# asym_sam_15_avg_rms vs run

dit_asym_sam_26_avg_mean vs run
χ² / ndf 90.1 / 86
p0 −223.7 ± 116.7
pull
Entries 87
Mean −1264
Std Dev 1315

pull1D
Entries 87
Mean 0.001281
Std Dev 1.018

# dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 77.86 / 86
p0 −579.3 ± 690.4
30000
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −629
Std Dev 649.3
3
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.003139
Std Dev 0.946
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_correction_rms vs run
$\chi^2$ / ndf 2884 / 86
p0 627.6 ± 0.4882
720
700
680
660
640
620
600
580
560

asym_sam_26_avg_mean vs run
χ² / ndf 77.19 / 86
p0 344.9 ± 653.5
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −701.6
Std Dev 715.8
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.002483
Std Dev 0.942
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_rms vs run
χ² / ndf 5568 / 86
p0 593.5 ± 0.4621
700
680
660
640
620
600
580
560
540
520

dit_asym_sam_37_avg_mean vs run
χ² / ndf 74.4 / 86
p0 −46.02 ± 77.57
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 62.98
Std Dev 84.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 87
Mean 0.01186
Std Dev 0.9247
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ² / ndf 79.17 / 86
p0 −842.3 ± 762.2
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 239.7
Std Dev 228
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.006093
Std Dev 0.9539
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_avg_correction_rms vs run
χ² / ndf 5340 / 86
p0 692.3 ± 0.539
820
800
780
760
740
720
700
680
660
640
620

asym_sam_37_avg_mean vs run
χ² / ndf 78.77 / 86
p0 789.7 ± 731.4
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 199.3
Std Dev 184
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.007957
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_avg_rms vs run
$\chi^2$ / ndf 7639 / 86
p0 663.9 ± 0.5172
800
750
700
650
600

dit_asym_sam_48_avg_mean vs run
χ² / ndf 65.86 / 86
p0 −117.3 ± 172.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 87
Mean −2187
Std Dev 2233
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.002354
Std Dev 0.87
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ² / ndf 86.88 / 86
p0 −1559 ± 1369
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 17.19
Std Dev 54.11
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01791
Std Dev 0.9992
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_48_avg_correction_rms vs run

asym_sam_48_avg_mean vs run
χ² / ndf 83.66 / 86
p0 1464 ± 1348
40000
20000
0
−20000
−40000
pull
Entries 87
Mean 54.74
Std Dev 47.83
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01694
Std Dev 0.9805
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 6379 / 86
p0 1224 ± 0.9535
1400
1350
1300
1250
1200
1150
1100

dit_asym_sam_15_dd_mean vs run
χ² / ndf 73.43 / 86
p0 −267.9 ± 122.4
pull
Entries 87
Mean 707.3
Std Dev 661.8
pull1D
Entries 87
Mean −0.008286
Std Dev 0.9186

# dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ2 / ndf 99.97 / 86
p0 38.03 ± 634.6
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −72.74
Std Dev 97.49
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.01929
Std Dev 1.072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_15_dd_correction_rms vs run

asym_sam_15_dd_mean vs run
χ² / ndf 93.07 / 86
p0 −294.6 ± 625.6
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −11.39
Std Dev 27.6
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.02218
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 81.67 / 86
p0 −594.6 ± 244.7
pull
Entries 87
Mean 562.8
Std Dev 517.6
pull1D
Entries 87
Mean −0.008064
Std Dev 0.9689

# dit_asym_sam_26_dd_rms vs run

asym_sam_26_dd_correction_mean vs run
χ² / ndf 80.14 / 86
p0 −1033 ± 1613
pull
Entries 87
Mean −223.8
Std Dev 247.1
pull1D
Entries 87
Mean 0.009918
Std Dev 0.9597

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2644 / 86
p0 1467 ± 1.141
1650
1600
1550
1500
1450
1400
1350

asym_sam_26_dd_mean vs run
χ² / ndf 77.74 / 86
p0 444.2 ± 1586
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 87
Mean −133.6
Std Dev 148.5
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.01157
Std Dev 0.9452
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_26_dd_rms vs run

dit_asym_sam_37_dd_mean vs run
χ² / ndf 66.51 / 86
p0 −162.4 ± 65.74
pull
Entries 87
Mean −2810
Std Dev 2848

pull1D
Entries 87
Mean 0.001986
Std Dev 0.8743

# dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 76.32 / 86
p0 −394 ± 383.9
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 248.3
Std Dev 229
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.006933
Std Dev 0.9366
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ² / ndf 78.61 / 86
p0 215.5 ± 365.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 90.65
Std Dev 93.22
pull1D
Entries 87
Mean 0.009836
Std Dev 0.9505

# asym_sam_37_dd_rms vs run

dit_asym_sam_48_dd_mean vs run
$\chi^2$ / ndf 61.1 / 86
p0 100.1 ± 144.2
pull
Entries 87
Mean 1.809e+04
Std Dev 1.805e+04
pull1D
Entries 87
Mean 0.0003091
Std Dev 0.8381

# dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 91.36 / 86
p0 −1062 ± 1113
pull
Entries 87
Mean 15.87
Std Dev 42.74
pull1D
Entries 87
Mean −0.01931
Std Dev 1.025

# asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
χ² / ndf 87.87 / 86
p0 1178 ± 1099
pull
Entries 87
Mean 53.68
Std Dev 31.84
pull1D
Entries 87
Mean 0.01882
Std Dev 1.005

# asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 86.09 / 86
p0 −219 ± 68.65
2000
1000
0
−1000
−2000
pull
Entries 87
Mean 2342
Std Dev 2300
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.00336
Std Dev 0.9948
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 89.81 / 86
p0 −217.6 ± 354.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −185.7
Std Dev 212.4
pull1D
Entries 87
Mean 0.01469
Std Dev 1.016

asym_sam_13_57_dd_correction_rms vs run
$\chi^2$ / ndf 2060 / 86
p0 322.5 ± 0.2508
360
350
340
330
320
310
300
290

asym_sam_13_57_dd_mean vs run
χ² / ndf 82.03 / 86
p0 −24.58 ± 337.2
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −49.43
Std Dev 42.77
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01665
Std Dev 0.9709
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_rms vs run
$\chi^2$ / ndf 2288 / 86
p0 306.6 ± 0.2384
340
330
320
310
300
290
280

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 69.05 / 86
p0 3.156 ± 47.52
pull
Entries 87
Mean −114.8
Std Dev 145.3
pull1D
Entries 87
Mean −0.01661
Std Dev 0.8907

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1136 / 86
p0 43.21 ± 0.0336
49
48
47
46
45
44
43
42
41
40

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 75.41 / 86
p0 309.6 ± 384.6
pull
Entries 87
Mean −565.5
Std Dev 582.3
pull1D
Entries 87
Mean −0.003175
Std Dev 0.931

asym_sam_15_37_dd_correction_rms vs run
$\chi^2$ / ndf 2929 / 86
p0 349.6 ± 0.2719
400
390
380
370
360
350
340
330
320

asym_sam_15_37_dd_mean vs run
χ² / ndf 75.59 / 86
p0 −338.2 ± 374.3
15000
10000
5000
0
−5000
−10000
pull
Entries 87
Mean −931.4
Std Dev 950.8
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.00205
Std Dev 0.9321
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_15_37_dd_rms vs run

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 84.89 / 86
p0 −248.5 ± 97.42
pull
Entries 87
Mean 160
Std Dev 116.4
pull1D
Entries 87
Mean −0.008967
Std Dev 0.9878

# dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
$\chi^2$ / ndf 77.56 / 86
p0 −1076 ± 1024
pull
Entries 87
Mean 1543
Std Dev 1525
pull1D
Entries 87
Mean −0.001171
Std Dev 0.9442

asym_sam_24_68_dd_correction_rms vs run
$\chi^2$ / ndf 4215 / 86
p0 930.7 ± 0.7243
1100
1050
1000
950
900
850

asym_sam_24_68_dd_mean vs run
χ² / ndf 77.01 / 86
p0 820.9 ± 1013
pull
Entries 87
Mean 2752
Std Dev 2737
pull1D
Entries 87
Mean 0.0006154
Std Dev 0.9408

asym_sam_24_68_dd_rms vs run
χ² / ndf 4649 / 86
p0 920.3 ± 0.7163
1100
1050
1000
950
900
850

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 73.04 / 86
p0 −48.99 ± 108.4
pull
Entries 87
Mean −1.138e+04
Std Dev 1.143e+04
pull1D
Entries 87
Mean 0.0004437
Std Dev 0.9163

# dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 92.78 / 86
p0 522.3 ± 588.7
20000
10000
0
−10000
−20000
pull
Entries 87
Mean −32.17
Std Dev 72.6
pull1D
Entries 87
Mean 0.02045
Std Dev 1.032

asym_sam_26_48_dd_correction_rms vs run
$\chi^2$ / ndf 5813 / 86
p0 534.6 ± 0.4162
640
620
600
580
560
540
520
500
480
460

asym_sam_26_48_dd_mean vs run
χ² / ndf 88.34 / 86
p0 −563.8 ± 575.5
pull
Entries 87
Mean 13.97
Std Dev 5.981
pull1D
Entries 87
Mean −0.0214
Std Dev 1.007

# asym_sam_26_48_dd_rms vs run

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 67.89 / 86
p0 −79.63 ± 117
pull
Entries 87
Mean −1215
Std Dev 1261
pull1D
Entries 87
Mean −0.003962
Std Dev 0.8834

# dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 89.68 / 86
p0 −865.2 ± 818.3
pull
Entries 87
Mean 0.9748
Std Dev 55.53
pull1D
Entries 87
Mean −0.01945
Std Dev 1.015

# asym_sam_1548_avg_correction_rms vs run

asym_sam_1548_avg_mean vs run
χ² / ndf 86.04 / 86
p0 803.8 ± 805.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 36.45
Std Dev 35.41
pull1D
Entries 87
Mean 0.01794
Std Dev 0.9943

asym_sam_1548_avg_rms vs run
$\chi^2$ / ndf 5934 / 86
p0 731.5 ± 0.5695
850
800
750
700
650

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 67.53 / 86
p0 −79.58 ± 109.6
pull
Entries 87
Mean 3121
Std Dev 3072
pull1D
Entries 87
Mean 0.001372
Std Dev 0.881

# dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 83.69 / 86
p0 −1192 ± 1027
pull
Entries 87
Mean 50.1
Std Dev 62.83
pull1D
Entries 87
Mean −0.01461
Std Dev 0.9807

asym_sam_3748_avg_correction_rms vs run
$\chi^2$ / ndf 6067 / 86
p0 932.4 ± 0.726
1100
1050
1000
950
900
850

asym_sam_3748_avg_mean vs run
χ² / ndf 81.9 / 86
p0 1119 ± 1002
pull
Entries 87
Mean 81.27
Std Dev 70.69
pull1D
Entries 87
Mean 0.01464
Std Dev 0.9701

asym_sam_3748_avg_rms vs run
χ² / ndf 7275 / 86
p0 910 ± 0.7089
1050
1000
950
900
850
800

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 96.88 / 86
p0 −129.8 ± 61.85
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −53.87
Std Dev 79.75
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean −0.005606
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 81.44 / 86
p0 −365.2 ± 343.4
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 145.4
Std Dev 138.4
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.008606
Std Dev 0.9675
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_1526_avg_correction_rms vs run

asym_sam_1526_avg_mean vs run
χ² / ndf 80.64 / 86
p0 225 ± 329.7
10000
5000
0
−5000
−10000
pull
Entries 87
Mean 143.5
Std Dev 136.4
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.009416
Std Dev 0.9627
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_1526_avg_rms vs run

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 86.42 / 86
p0 −137.9 ± 84.43
pull
Entries 87
Mean −80.61
Std Dev 110.9
pull1D
Entries 87
Mean 0.008237
Std Dev 0.9966

# dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 78.19 / 86
p0 −716.5 ± 706.2
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 1317
Std Dev 1300
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.001323
Std Dev 0.948
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 4016 / 86
p0 641.7 ± 0.4994
760
740
720
700
680
660
640
620
600
580

asym_sam_3726_avg_mean vs run
$\chi^2$ / ndf 77.49 / 86
p0 568.2 ± 673.4
pull
Entries 87
Mean 560.2
Std Dev 545.4
pull1D
Entries 87
Mean 0.003051
Std Dev 0.9437

asym_sam_3726_avg_rms vs run
χ² / ndf 6575 / 86
p0 611.4 ± 0.4761
740
720
700
680
660
640
620
600
580
560
540

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 63.39 / 86
p0 36.47 ± 61.1
pull
Entries 87
Mean −1.878e+05
Std Dev 1.879e+05
pull1D
Entries 87
Mean 2.825e−05
Std Dev 0.8536

# dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 83.16 / 86
p0 702.1 ± 575.5
pull
Entries 87
Mean 49.51
Std Dev 65.15
pull1D
Entries 87
Mean 0.0143
Std Dev 0.9776

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 6030 / 86
p0 522.7 ± 0.407
620
600
580
560
540
520
500
480

asym_sam_15_48_dd_mean vs run
χ² / ndf 80.59 / 86
p0 −668.6 ± 568.1
pull
Entries 87
Mean 90.29
Std Dev 78.75
pull1D
Entries 87
Mean −0.0141
Std Dev 0.9623

# asym_sam_15_48_dd_rms vs run

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 67.14 / 86
p0 37.13 ± 76.93
2000
1000
0
−1000
−2000
−3000
pull
Entries 87
Mean −723.5
Std Dev 765.9
pull1D
Entries 87
Mean 0.007608
Std Dev 0.8784

# dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 93.63 / 86
p0 383.3 ± 415.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean −36.31
Std Dev 77.09
3
2
1
0
−1
−2
−3
pull1D
Entries 87
Mean 0.0213
Std Dev 1.037
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_37_48_dd_correction_rms vs run

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.57 / 86
p0 −350.5 ± 412.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 9.967
Std Dev 27.11
3
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01944
Std Dev 0.9973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_37_48_dd_rms vs run

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 77.84 / 86
p0 89.71 ± 74.2
pull
Entries 87
Mean −790.7
Std Dev 837.8
pull1D
Entries 87
Mean −0.003702
Std Dev 0.9459

# dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.4 / 86
p0 197.2 ± 427.5
pull
Entries 87
Mean −207.2
Std Dev 231.7
pull1D
Entries 87
Mean −0.0103
Std Dev 0.9612

asym_sam_15_26_dd_correction_rms vs run
$\chi^2$ / ndf 3590 / 86
p0 388.5 ± 0.3023
440
420
400
380
360

asym_sam_15_26_dd_mean vs run
χ² / ndf 78.22 / 86
p0 −112.6 ± 408.2
pull
Entries 87
Mean −147.9
Std Dev 164.7
pull1D
Entries 87
Mean 0.01093
Std Dev 0.9481

# asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 81.54 / 86
p0 89.44 ± 51.78
pull
Entries 87
Mean 339.4
Std Dev 273.2
pull1D
Entries 87
Mean 0.00696
Std Dev 0.9681

# dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
$\chi^2$ / ndf 90.79 / 86
p0 −139 ± 173.9
pull
Entries 87
Mean −20.8
Std Dev 60.04
pull1D
Entries 87
Mean −0.01834
Std Dev 1.021

asym_sam_37_26_dd_correction_rms vs run
$\chi^2$ / ndf 6407 / 86
p0 157.9 ± 0.123
180
170
160
150
140

asym_sam_37_26_dd_mean vs run
χ² / ndf 91.97 / 86
p0 213.6 ± 166.5
pull
Entries 87
Mean 21.64
Std Dev 34.63
pull1D
Entries 87
Mean 0.0256
Std Dev 1.028

asym_sam_37_26_dd_rms vs run
χ² / ndf 7166 / 86
p0 151.1 ± 0.1177
180
170
160
150
140
130

dit_asym_sam_1357_avg_mean vs run
$\chi^2$ / ndf 77.27 / 86
p0 −41.2 ± 57.37
pull
Entries 87
Mean 2868
Std Dev 2811
pull1D
Entries 87
Mean 0.0008628
Std Dev 0.9424

# dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 85.93 / 86
p0 −450.5 ± 455.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 31.99
Std Dev 57.62
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01644
Std Dev 0.9937
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 83.74 / 86
p0 451.6 ± 436.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 87
Mean 70.74
Std Dev 61.68
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.0152
Std Dev 0.981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_1357_avg_rms vs run

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 74.27 / 86
p0 −166.7 ± 99.77
pull
Entries 87
Mean −1059
Std Dev 1103
pull1D
Entries 87
Mean −0.003293
Std Dev 0.9239

# dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 82.54 / 86
p0 −1066 ± 909.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 73.94
Std Dev 79.47
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01235
Std Dev 0.9739
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_2468_avg_correction_rms vs run

asym_sam_2468_avg_mean vs run
χ² / ndf 80.53 / 86
p0 896.5 ± 888.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 87
Mean 105.6
Std Dev 96.1
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01234
Std Dev 0.962
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_2468_avg_rms vs run

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 68.99 / 86
p0 62.42 ± 30.87
1000
500
0
−500
−1000
pull
Entries 87
Mean −498.7
Std Dev 536.4
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.006604
Std Dev 0.8905
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_asym_sam_1357_2468_dd_rms vs run

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 80.38 / 86
p0 310 ± 237.6
pull
Entries 87
Mean 168.5
Std Dev 161.2
pull1D
Entries 87
Mean 0.007463
Std Dev 0.9612

asym_sam_1357_2468_dd_correction_rms vs run
$\chi^2$ / ndf 5272 / 86
p0 215.8 ± 0.168
260
250
240
230
220
210
200
190

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 78.34 / 86
p0 −223.6 ± 232.7
pull
Entries 87
Mean 164.6
Std Dev 154.3
pull1D
Entries 87
Mean −0.009084
Std Dev 0.9489

# asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 76.03 / 86
p0 −104.8 ± 75.29
2000
1000
0
−1000
−2000
pull
Entries 87
Mean −2609
Std Dev 2657
pull1D
Entries 87
Mean −0.001259
Std Dev 0.9348

# dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
$\chi^2$ / ndf 83.55 / 86
p0 −757.1 ± 678.8
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 56.77
Std Dev 68.2
2
1
0
−1
−2
pull1D
Entries 87
Mean −0.01388
Std Dev 0.9799
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 6125 / 86
p0 616.4 ± 0.48
720
700
680
660
640
620
600
580
560

asym_sam_12345678_avg_mean vs run
$\chi^2$ / ndf 81.49 / 86
p0 673.6 ± 660.1
20000
10000
0
−10000
−20000
pull
Entries 87
Mean 92.1
Std Dev 82.78
2
1
0
−1
−2
pull1D
Entries 87
Mean 0.01336
Std Dev 0.9677
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

# asym_sam_12345678_avg_rms vs run

dit_usl_4aX_slope vs run
$\chi^2$ / ndf 2.255e−24 / 86
p0 −264.8 ± 0.7193
−258
−260
−262
−264
−266
−268
−270
−272
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 87
Mean 1.61e−13
Std Dev 9.878e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ² / ndf 0 / 86
p0 219.3 ± 0.7064
226
224
222
220
218
216
214
212
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_usl_11X12X_slope vs run

dit_usl_4aY_slope vs run
$\chi^2$ / ndf 6.02e−25 / 86
p0 −5.553 ± 0.02289
−5.3
−5.4
−5.5
−5.6
−5.7
−5.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
80
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 8.318e−14
Std Dev 3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
$\chi^2$ / ndf 9.324e−25 / 86
p0 23.57 ± 0.03311
23.9
23.8
23.7
23.6
23.5
23.4
23.3
23.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 87
Mean −1.035e−13
Std Dev5.745e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
$\chi^2$ / ndf 3.754e−25 / 86
p0 −316.8 ± 0.5567
−312
−314
−316
−318
−320
−322
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 6.569e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
$\chi^2$ / ndf 8.513e−25 / 86
p0 392.9 ± 0.5545
398
396
394
392
390
388
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 87
Mean 9.892e−14
Std Dev 2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ² / ndf 1.39e−24 / 86
p0 −37.47 ± 0.01808
−37.3
−37.35
−37.4
−37.45
−37.5
−37.55
−37.6
−37.65
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 87
Mean −1.264e−13
Std Dev 5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aY_slope vs run
χ² / ndf 2.241e−26 / 86
p0 −3.497 ± 0.02077
−3.3
−3.35
−3.4
−3.45
−3.5
−3.55
−3.6
−3.65
−3.7
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
16
14
12
10
8
6
4
2
0

pull1D
Entries 87
Mean 1.605e−14
Std Dev 8.731e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
$\chi^2$ / ndf 5.991e−25 / 86
p0 14.5 ± 0.03672
14.9
14.8
14.7
14.6
14.5
14.4
14.3
14.2
14.1
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
80
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 8.298e−14
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
$\chi^2$ / ndf 2.105e−25 / 86
p0 −140.8 ± 0.7434
−134
−136
−138
−140
−142
−144
−146
−148
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
50
40
30
20
10
0

pull1D
Entries 87
Mean 4.919e−14
Std Dev3.281e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
$\chi^2$ / ndf 1.815e−25 / 86
p0 186.5 ± 0.7338
194
192
190
188
186
184
182
180
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−10
−20
−30
−40
pull1D
Entries 87
Mean −4.568e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
$\chi^2$ / ndf 7.279e−26 / 86
p0 −21.82 ± 0.05267
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 87
Mean −2.892e−14
Std Dev 1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
$\chi^2$ / ndf 7.557e−26 / 86
p0 8.662 ± 0.05169
9.2
9
8.8
8.6
8.4
8.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 87
Mean −2.947e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
$\chi^2$ / ndf 3.982e−25 / 86
p0 −17.34 ± 0.07319
−16.6
−16.8
−17
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 6.765e−14
Std Dev 1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
$\chi^2$ / ndf 5.172e−24 / 86
p0 −2155 ± 2.2
−2135
−2140
−2145
−2150
−2155
−2160
−2165
−2170
−2175
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 87
Mean −2.438e−13
Std Dev 9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
$\chi^2$ / ndf 6.881e−25 / 86
p0 2202 ± 2.193
2225
2220
2215
2210
2205
2200
2195
2190
2185
2180
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 8.893e−14
Std Dev 1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ² / ndf 8.997e−24 / 86
p0 −297.4 ± 0.09476
−296.4
−296.6
−296.8
−297
−297.2
−297.4
−297.6
−297.8
−298
−298.2
−298.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 87
Mean −3.216e−13
Std Dev 1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
$\chi^2$ / ndf 3.714e−25 / 86
p0 −46.75 ± 0.0583
−46.2
−46.4
−46.6
−46.8
−47
−47.2
−47.4
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 6.534e−14
Std Dev 3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ² / ndf 7.148e−25 / 86
p0 168.8 ± 0.1008
169.8
169.6
169.4
169.2
169
168.8
168.6
168.4
168.2
168
167.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 9.065e−14
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ² / ndf 3.63e−27 / 86
p0 −127.2 ± 1.415
−115
−120
−125
−130
−135
−140
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
6
5
4
3
2
1
0

pull1D
Entries 87
Mean 6.46e−15
Std Dev 4.301e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
$\chi^2$ / ndf 3.66e−27 / 86
p0 76.7 ± 1.409
90
85
80
75
70
65
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
6
5
4
3
2
1
0

pull1D
Entries 87
Mean 6.486e−15
Std Dev 1.297e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
$\chi^2$ / ndf 2.7e−25 / 86
p0 −16.35 ± 0.06154
−15.8
−16
−16.2
−16.4
−16.6
−16.8
−17
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 87
Mean −5.571e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
$\chi^2$ / ndf 1.094e−25 / 86
p0 12.21 ± 0.04833
12.6
12.4
12.2
12
11.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 87
Mean 3.547e−14
Std Dev 1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
$\chi^2$ / ndf 5.947e−26 / 86
p0 −24.6 ± 0.1165
−23.5
−24
−24.5
−25
−25.5
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
25
20
15
10
5
0

pull1D
Entries 87
Mean 2.615e−14
Std Dev 8.984e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
$\chi^2$ / ndf 3.511e−23 / 86
p0 −1950 ± 1.305
−1940
−1945
−1950
−1955
−1960
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 87
Mean 6.352e−13
Std Dev 2.535e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
$\chi^2$ / ndf 1.076e−24 / 86
p0 2157 ± 1.315
2170
2165
2160
2155
2150
2145
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 87
Mean −1.112e−13
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atr2_11X12X_slope vs run

dit_atr2_4aY_slope vs run
$\chi^2$ / ndf 4.616e−25 / 86
p0 −41.26 ± 0.05229
−40.8
−41
−41.2
−41.4
−41.6
−41.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 87
Mean −7.284e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
$\chi^2$ / ndf 5.408e−25 / 86
p0 139.8 ± 0.07729
140.6
140.4
140.2
140
139.8
139.6
139.4
139.2
139
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
80
70
60
50
40
30
20
10
0

pull1D
Entries 87
Mean 7.884e−14
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam1_4aX_slope vs run

dit_sam1_4eX_slope vs run
$\chi^2$ / ndf 0 / 86
p0 −14.25 ± 0.0492
−13.8
−14
−14.2
−14.4
−14.6
−14.8
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
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
χ2 / ndf 7.09e−22 / 86
p0 −50.19 ± 0.00427
−50.15
−50.16
−50.17
−50.18
−50.19
−50.2
−50.21
−50.22
−50.23
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10−12
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 87
Mean −2.855e−12
Std Dev5.421e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ² / ndf 5.304e−25 / 86
p0 8.461± 0.007317
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean 7.808e−14
Std Dev3.692e−21

dit_sam2_4aX_slope vs run
$\chi^2$ / ndf 3.054e−27 / 86
p0 17.91 ± 0.9
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean −5.925e−15
Std Dev 2.593e−22

dit_sam2_4eX_slope vs run
$\chi^2$ / ndf 1.219e−25 / 86
p0 −220.2 ± 0.8953
−212
−214
−216
−218
−220
−222
−224
−226
−228
−230
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 87
Mean −3.744e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run
$\chi^2$ / ndf 2.976e−26 / 86
p0 0.2457 ± 0.004023
0.29
0.28
0.27
0.26
0.25
0.24
0.23
0.22
0.21
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 87
Mean 1.849e−14
Std Dev 1.288e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aY_slope vs run
χ² / ndf 0 / 86
p0 15.48 ± 0.01574
15.65
15.6
15.55
15.5
15.45
15.4
15.35
pull
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 87
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
$\chi^2$ / ndf 2.642e−23 / 86
p0 −209 ± 0.07189
−208.2
−208.4
−208.6
−208.8
−209
−209.2
−209.4
−209.6
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 87
Mean −5.51e−13
Std Dev 6.776e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run
χ² / ndf 1.659e−26 / 86
p0 −73.84 ± 0.9929
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean −1.381e−14
Std Dev7.023e−22

dit_sam3_4eX_slope vs run
$\chi^2$ / ndf 1.296e−27 / 86
p0 −37.05 ± 0.987
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean −3.859e−15
Std Dev1.674e−22

dit_sam3_11X12X_slope vs run
$\chi^2$ / ndf 4.244e−27 / 86
p0 0.1276 ± 0.003834
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.1
0.09
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
7
6
5
4
3
2
1
0

pull1D
Entries 87
Mean 6.984e−15
Std Dev 2.801e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aY_slope vs run
$\chi^2$ / ndf 1.277e−23 / 86
p0 −6.916 ± 0.004473
−6.88
−6.9
−6.92
−6.94
−6.96
pull
Entries 87
Mean 43.5
Std Dev 25.11
$\times 10^{-12}$
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 87
Mean 3.832e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ² / ndf 8.3e−24 / 86
p0 29.1 ± 0.02466
29.3
29.2
29.1
29
28.9
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 87
Mean 3.089e−13
Std Dev 1.312e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam4_4aX_slope vs run

# dit_sam4_4eX_slope vs run

# dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
$\chi^2$ / ndf 4.78e−24 / 86
p0 −19.63 ± 0.026
−19.4
−19.5
−19.6
−19.7
−19.8
−19.9
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 87
Mean 2.344e−13
Std Dev 1.397e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam4_4eY_slope vs run

dit_sam5_4aX_slope vs run
χ² / ndf 3.566e−27 / 86
p0 7.271 ± 0.1636
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean 6.402e−15
Std Dev 4.794e−22

dit_sam5_4eX_slope vs run
$\chi^2$ / ndf 2.703e−28 / 86
p0 2.36 ± 0.1621
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean −1.763e−15
Std Dev1.107e−22

# dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
$\chi^2$ / ndf 2.158e−24 / 86
p0 32.33 ± 0.009674
32.42
32.4
32.38
32.36
32.34
32.32
32.3
32.28
32.26
32.24
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 87
Mean −1.575e−13
Std Dev 7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
$\chi^2$ / ndf 3.173e−22 / 86
p0 115.9 ± 0.01516
116.1
116.05
116
115.95
115.9
115.85
115.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 87
Mean 1.91e−12
Std Dev 2.711e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam6_4aX_slope vs run

# dit_sam6_4eX_slope vs run

# dit_sam6_11X12X_slope vs run

dit_sam6_4aY_slope vs run
$\chi^2$ / ndf 3.13e−25 / 86
p0 17.39 ± 0.0127
17.5
17.45
17.4
17.35
17.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 87
Mean −5.998e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
$\chi^2$ / ndf 2.505e−24 / 86
p0 99.63 ± 0.0449
100
99.8
99.6
99.4
99.2
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 87
Mean 1.697e−13
Std Dev 7.946e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ² / ndf 6.307e−27 / 86
p0 77.75 ± 0.1789
79.5
79
78.5
78
77.5
77
76.5
76
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

pull1D
Entries 87
Mean 8.514e−15
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
$\chi^2$ / ndf 1.625e−25 / 86
p0 −122.4 ± 0.1763
−120.5
−121
−121.5
−122
−122.5
−123
−123.5
−124
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 87
Mean 4.322e−14
Std Dev 1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
$\chi^2$ / ndf 1.389e−22 / 86
p0 7.316 ± 0.001808
7.335
7.33
7.325
7.32
7.315
7.31
7.305
7.3
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^-12
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 87
Mean −1.264e−12
Std Dev 5.249e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
$\chi^2$ / ndf 1.915e−25 / 86
p0 −12.19 ± 0.004059
−12.15
−12.16
−12.17
−12.18
−12.19
−12.2
−12.21
−12.22
−12.23
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
pull1D
Entries 87
Mean −4.692e−14
Std Dev 2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aX_slope vs run
χ² / ndf 4.79e−26 / 86
p0 57.36 ± 0.0974
pull
Entries 87
Mean 43.5
Std Dev 25.11

pull1D
Entries 87
Mean 2.346e−14
Std Dev 5.187e−22

dit_sam8_4eX_slope vs run
$\chi^2$ / ndf 3.508e−25 / 86
p0 −90.83 ± 0.09598
−89.8
−90
−90.2
−90.4
−90.6
−90.8
−91
−91.2
−91.4
−91.6
−91.8
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 87
Mean −6.35e−14
Std Dev3.692e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
$\chi^2$ / ndf 5.944e−25 / 86
p0 0.3368 ± 0.001008
0.348
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
0.33
0.328
0.326
pull
Entries 87
Mean 43.5
Std Dev 25.11
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 87
Mean −8.265e−14
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aY_slope vs run
$\chi^2$ / ndf 0 / 86
p0 −48.74 ± 0.002541
−48.72
−48.73
−48.74
−48.75
−48.76
pull
Entries 87
Mean 0
Std Dev 0
pull1D
Entries 87
Mean 0
Std Dev 0

# dit_sam8_4eY_slope vs run

dit_4aX_coil1_mean vs run
χ² / ndf 1.122e+33 / 79
p0 −547.7 ± 1.118e−16
−544
−546
−548
−550
−552
−554
−556
pull
Entries 80
Mean 1.121e+09
Std Dev 1.121e+09
×10¹²
4000
2000
0
−2000
−4000
−6000
−8000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_err_mean vs run
$\chi^2$ / ndf 2.565e+32 / 79
p0 5.141± 1.118e−16
pull
Entries 80
Mean 9.52e+08
Std Dev 9.52e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil1_mean vs run
$\chi^2$ / ndf 1.13e+33 / 79
p0 −543.8 ± 1.118e−16
−540
−542
−544
−546
−548
−550
−552
pull
Entries 80
Mean 1.8e+09
Std Dev 1.8e+09
$\times 10^{12}$
4000
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil1_err_mean vs run
$\chi^2$ / ndf 2.438e+32 / 79
p0 4.887 ± 1.118e−16
pull
Entries 80
Mean −8.438e+08
Std Dev 8.438e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4eX_coil1_Ndata_mean vs run

dit_11X12X_coil1_mean vs run
$\chi^2$ / ndf 2.266e+33 / 79
p0 −239.4 ± 1.118e−16
−230
−235
−240
−245
−250
pull
Entries 80
Mean 6.46e+07
Std Dev 6.46e+07
×10^12
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_11X12X_coil1_err_mean vs run

# dit_11X12X_coil1_Ndata_mean vs run

dit_4aY_coil1_mean vs run
$\chi^2$ / ndf 1.416e+32 / 79
p0 0.6941 ± 1.118e−16
pull
Entries 80
Mean −4.811e+09
Std Dev 4.811e+09
pull1D
Entries 80
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run
$\chi^2$ / ndf 4.204e+30 / 79
p0 1.527 ± 1.118e−16
pull
Entries 80
Mean −1.174e+09
Std Dev 1.174e+09
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4aY_coil1_Ndata_mean vs run

# dit_4eY_coil1_mean vs run

dit_4eY_coil1_err_mean vs run
χ² / ndf 4.984e+30 / 79
p0 1.676 ± 1.118e−16
2.2
2
1.8
1.6
1.4
1.2
pull
Entries 80
Mean −2.449e+09
Std Dev 2.449e+09
×10¹²
400
200
0
−200
−400
pull1D
Entries 80
Mean 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_Ndata_mean vs run

dit_usl_coil1_mean vs run
χ² / ndf 1.205e+37 / 79
p0 3.567e+04 ± 1.118e−16
36600
36400
36200
36000
35800
35600
35400
35200
35000
pull
Entries 80
Mean 1.428e+08
Std Dev 1.428e+08
×10^15
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 1.812e+36 / 79
p0 568.3 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean 2.919e+08
Std Dev 2.919e+08
×10¹⁵
400
300
200
100
0
−100

pull1D
Entries 80
Mean 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_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_usr_coil1_mean vs run
$\chi^2$ / ndf 1.955e+37 / 79
p0 −3.118e+04 ± 1.118e−16
−30200
−30400
−30600
−30800
−31000
−31200
−31400
−31600
−31800
−32000
−32200
pull
Entries 80
Mean 8.537e+08
Std Dev 8.537e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_err_mean vs run
$\chi^2$ / ndf 1.886e+36 / 79
p0 544.5 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean −6.647e+08
Std Dev 6.647e+08
400
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
$\times 10^{15}$
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 2.13e+37 / 79
p0 −1.91e+04 ± 1.118e−16
−18000
−18500
−19000
−19500
−20000
pull
Entries 80
Mean 3.312e+08
Std Dev 3.312e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.54e+36 / 79
p0 584.7 ± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean 2.337e+08
Std Dev 2.337e+08
400
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_mean vs run
χ² / ndf 2.029e+38 / 79
p0 5.385e+04 ± 1.118e−16
57000
56000
55000
54000
53000
52000
pull
Entries 80
Mean −3.611e+10
Std Dev 3.611e+10
×10¹⁵
3000
2000
1000
0
−1000
−2000
pull1D
Entries 80
Mean 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 6.477e+37 / 79
p0 3124 ± 1.118e−16
6000
5500
5000
4500
4000
3500
3000
2500
pull
Entries 80
Mean 9.991e+07
Std Dev 9.991e+07
×10¹⁵
2500
2000
1500
1000
500
0
−500

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atl2_coil1_Ndata_mean vs run

dit_atr1_coil1_mean vs run
χ² / ndf 4.729e+37 / 79
p0 3.185e+04 ± 1.118e−16
34000
33500
33000
32500
32000
31500
31000
pull
Entries 80
Mean −7.508e+08
Std Dev 7.508e+08
×10^15
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 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 2.591e+36 / 79
p0 682.4 ± 1.118e−16
1200
1100
1000
900
800
700
600
500
pull
Entries 80
Mean 3.663e+08
Std Dev 3.663e+08
×10¹⁵
500
400
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 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_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 / 79
p0 −4.365e+04 ± 1.118e−16
−40000
−41000
−42000
−43000
−44000
−45000
−46000
−47000
−48000
−49000
pull
Entries 80
Mean 3.271e+09
Std Dev 3.271e+09
×10¹⁵
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atr2_coil1_err_mean vs run

dit_atr2_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 6.689e+35 / 79
p0 7681± 1.118e−16
7900
7850
7800
7750
7700
7650
7600
7550
pull
Entries 80
Mean −8.318e+09
Std Dev 8.318e+09
×10¹⁵
200
150
100
50
0
−50
−100
−150

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_err_mean vs run
$\chi^2$ / ndf 5.676e+34 / 79
p0 101.6 ± 1.118e−16
160
150
140
130
120
110
100
90
80
pull
Entries 80
Mean −3.65e+09
Std Dev 3.65e+09
60
50
40
30
20
10
0
−10
−20

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_mean vs run
×10^3
113
112
111
110
109
108
χ² / ndf 1.062e+38 / 79
p0 1.097e+05 ± 1.118e−16
×10^15
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500
pull
Entries 80
Mean 3.069e+09
Std Dev 3.069e+09

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.099e+37 / 79
p0 1065 ± 1.118e−16
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 6.576e+09
Std Dev 6.576e+09
600
400
200
0
−200

pull1D
Entries 80
Mean 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 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 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 7.001e+37 / 79
p0 6.065e+04 ± 1.118e−16
63000
62500
62000
61500
61000
60500
60000
59500
59000
58500
pull
Entries 80
Mean −1.304e+09
Std Dev 1.304e+09
×10^15
2000
1500
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 3.742e+36 / 79
p0 619.7 ± 1.118e−16
1100
1000
900
800
700
600
500
400
pull
Entries 80
Mean 6.16e+08
Std Dev 6.16e+08
500
400
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf 5.071e+37 / 79
p0 1.007e+05 ± 1.118e−16
102.5
102
101.5
101
100.5
100
99.5
×10^15
1500
1000
500
0
−500
−1000
pull
Entries 80
Mean −3.979e+08
Std Dev 3.979e+08

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 6.674e+36 / 79
p0 955 ± 1.118e−16
1600
1400
1200
1000
800
600
pull
Entries 80
Mean −7.031e+08
Std Dev 7.031e+08
×10^15
600
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 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 6.432e+36 / 79
p0 −5181 ± 1.118e−16
−4800
−5000
−5200
−5400
−5600
pull
Entries 80
Mean 4.831e+08
Std Dev 4.831e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_err_mean vs run
χ² / ndf 1.366e+35 / 79
p0 249.8 ± 1.118e−16
pull
Entries 80
Mean −6.324e+08
Std Dev 6.324e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 5.155e+37 / 79
p0 −3.561e+04 ± 1.118e−16
−34500
−35000
−35500
−36000
−36500
−37000
pull
Entries 80
Mean −3.114e+08
Std Dev 3.114e+08
×10^15
1000
500
0
−500
−1000
−1500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_err_mean vs run
χ² / ndf 1.336e+36 / 79
p0 408.8 ± 1.118e−16
650
600
550
500
450
400
350
300
pull
Entries 80
Mean −3.174e+09
Std Dev 3.174e+09
×10¹⁵
250
200
150
100
50
0
−50
−100

pull1D
Entries 80
Mean 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_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 3.781e+36 / 79
p0 2.387e+04 ± 1.118e−16
24400
24300
24200
24100
24000
23900
23800
23700
23600
pull
Entries 80
Mean −4.152e+08
Std Dev 4.152e+08
×10^15
500
400
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil1_err_mean vs run
χ² / ndf 4.66e+35 / 79
p0 203.2 ± 1.118e−16
350
300
250
200
150
pull
Entries 80
Mean −1.743e+09
Std Dev 1.743e+09
×10¹⁵
150
100
50
0
−50
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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 1.393e+36 / 79
p0 1.794e+04 ± 1.118e−16
18300
18200
18100
18000
17900
17800
pull
Entries 80
Mean 1.049e+09
Std Dev 1.049e+09
×10^15
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_err_mean vs run
χ² / ndf 2.197e+35 / 79
p0 150 ± 1.118e−16
pull
Entries 80
Mean −1.513e+09
Std Dev 1.513e+09

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
$\chi^2$ / ndf 1.814e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
600
400
pull
Entries 80
Mean −1.326e+08
Std Dev 1.326e+08
600
400
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_4eX_coil3_mean vs run

# dit_4eX_coil3_err_mean vs run

# dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run
$\chi^2$ / ndf 2.759e+31 / 79
p0 −85.13 ± 1.118e−16
−84
−84.5
−85
−85.5
−86
−86.5
pull
Entries 80
Mean 4.633e+08
Std Dev 4.633e+08
×10^12
1000
500
0
−500
−1000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_11X12X_coil3_err_mean vs run

# dit_11X12X_coil3_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ² / ndf 2.076e+30 / 79
p0 3.852 ± 1.118e−16
4.2
4.1
4
3.9
3.8
3.7
pull
Entries 80
Mean −1.474e+08
Std Dev 1.474e+08
×10¹²
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil3_err_mean vs run
$\chi^2$ / ndf 2.287e+29 / 79
p0 0.3104 ± 1.118e−16
0.45
0.4
0.35
0.3
0.25
pull
Entries 80
Mean 5.158e+08
Std Dev 5.158e+08
$\times 10^{12}$
140
120
100
80
60
40
20
0
−20
−40
−60
−80

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_4aY_coil3_Ndata_mean vs run

dit_4eY_coil3_mean vs run
χ² / ndf 2.779e+30 / 79
p0 4.235 ± 1.118e−16
4.7
4.6
4.5
4.4
4.3
4.2
4.1
4
pull
Entries 80
Mean −1.245e+09
Std Dev 1.245e+09
×10¹²
400
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 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_coil3_err_mean vs run

# dit_4eY_coil3_Ndata_mean vs run

dit_usl_coil3_mean vs run
$\chi^2$ / ndf 1.849e+35 / 79
p0 7162 ± 1.118e−16
7260
7240
7220
7200
7180
7160
7140
7120
7100
7080
pull
Entries 80
Mean 6.183e+08
Std Dev 6.183e+08
×10^15
80
60
40
20
0
−20
−40
−60

pull1D
Entries 80
Mean 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 5.805e+34 / 79
p0 171.4 ± 1.118e−16
240
220
200
180
160
140
pull
Entries 80
Mean 1.622e+09
Std Dev 1.622e+09
×10¹⁵
60
40
20
0
−20
−40

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil3_mean vs run
χ² / ndf 1.617e+35 / 79
p0 −6159 ± 1.118e−16
−6080
−6100
−6120
−6140
−6160
−6180
−6200
−6220
−6240
−6260
−6280
pull
Entries 80
Mean −1.685e+08
Std Dev 1.685e+08
×10¹⁵
60
40
20
0
−20
−40
−60
−80
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil3_err_mean vs run
χ² / ndf 3.056e+34 / 79
p0 148.8 ± 1.118e−16
pull
Entries 80
Mean −8.762e+08
Std Dev 8.762e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_usr_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_mean vs run
χ² / ndf 6.677e+35 / 79
p0 −3608 ± 1.118e−16
−3450
−3500
−3550
−3600
−3650
−3700
−3750
pull
Entries 80
Mean 1.048e+09
Std Dev 1.048e+09
×10¹⁵
150
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_err_mean vs run
χ² / ndf 2.777e+34 / 79
p0 126.3 ± 1.118e−16
170
160
150
140
130
120
110
100
pull
Entries 80
Mean −2.848e+09
Std Dev 2.848e+09
×10¹⁵
40
30
20
10
0
−10
−20

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atl1_coil3_Ndata_mean vs run

dit_atl2_coil3_mean vs run
χ² / ndf 2.582e+36 / 79
p0 1.118e+04 ± 1.118e−16
11500
11400
11300
11200
11100
11000
10900
pull
Entries 80
Mean −4.634e+08
Std Dev 4.634e+08
×10^15
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 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 9.107e+35 / 79
p0 656.4 ± 1.118e−16
900
800
700
600
500
pull
Entries 80
Mean 2.241e+09
Std Dev 2.241e+09
×10¹⁵
200
100
0
−100
−200
pull1D
Entries 80
Mean 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_Ndata_mean vs run

dit_atr1_coil3_mean vs run
$\chi^2$ / ndf 1.411e+36 / 79
p0 6035 ± 1.118e−16
6400
6300
6200
6100
6000
5900
pull
Entries 80
Mean −8.564e+07
Std Dev 8.564e+07
×10^15
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil3_err_mean vs run
χ² / ndf 6.176e+34 / 79
p0 164.9 ± 1.118e−16
220
200
180
160
140
120
pull
Entries 80
Mean −9.507e+08
Std Dev 9.507e+08
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.349e+36 / 79
p0 −8224 ± 1.118e−16
pull
Entries 80
Mean −2.197e+08
Std Dev 2.197e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_atr2_coil3_err_mean vs run

dit_atr2_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_mean vs run
$\chi^2$ / ndf 2.408e+34 / 79
p0 1316 ± 1.118e−16
1340
1330
1320
1310
1300
1290
1280
1270
pull
Entries 80
Mean 8.853e+08
Std Dev 8.853e+08
×10^15
20
10
0
−10
−20
−30
−40

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_err_mean vs run
$\chi^2$ / ndf 1.551e+33 / 79
p0 30.96 ± 1.118e−16
pull
Entries 80
Mean 1.912e+10
Std Dev 1.912e+10

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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

dit_sam2_coil3_err_mean vs run
χ² / ndf 2.802e+35 / 79
p0 420.4 ± 1.118e−16
550
500
450
400
350
pull
Entries 80
Mean −1.115e+09
Std Dev 1.115e+09
×10¹⁵
120
100
80
60
40
20
0
−20
−40
−60
pull1D
Entries 80
Mean 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_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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 2.851e+36 / 79
p0 1.139e+04 ± 1.118e−16
11600
11500
11400
11300
11200
11100
11000
10900
pull
Entries 80
Mean 2.756e+09
Std Dev 2.756e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil3_err_mean vs run
χ² / ndf 1.025e+35 / 79
p0 256 ± 1.118e−16
320
300
280
260
240
220
200
pull
Entries 80
Mean 1.664e+09
Std Dev 1.664e+09
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 1.173e+36 / 79
p0 2.056e+04 ± 1.118e−16
20750
20700
20650
20600
20550
20500
20450
20400
20350
pull
Entries 80
Mean 1.222e+09
Std Dev 1.222e+09
×10¹⁵
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil3_err_mean vs run
χ² / ndf 2.915e+35 / 79
p0 411.2 ± 1.118e−16
pull
Entries 80
Mean −6.375e+09
Std Dev 6.375e+09

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam4_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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 5.061e+34 / 79
p0 −386.3 ± 1.118e−16
−340
−360
−380
−400
−420
pull
Entries 80
Mean −7.866e+08
Std Dev 7.866e+08
×10¹⁵
40
30
20
10
0
−10
−20
−30
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam5_coil3_err_mean vs run

dit_sam5_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_mean vs run
χ² / ndf 8.059e+35 / 79
p0 −6160 ± 1.118e−16
−5950
−6000
−6050
−6100
−6150
−6200
−6250
−6300
−6350
pull
Entries 80
Mean 1.644e+08
Std Dev 1.644e+08
×10¹⁵
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_err_mean vs run
χ² / ndf 3.645e+34 / 79
p0 136.3 ± 1.118e−16
pull
Entries 80
Mean 3.856e+08
Std Dev 3.856e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.086e+35 / 79
p0 4972 ± 1.118e−16
5020
5000
4980
4960
4940
4920
4900
4880
pull
Entries 80
Mean 5.684e+09
Std Dev 5.684e+09
×10^15
40
20
0
−20
−40
−60
−80

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_err_mean vs run
$\chi^2$ / ndf 1.715e+34 / 79
p0 99.13 ± 1.118e−16
130
120
110
100
90
80
pull
Entries 80
Mean −2.049e+09
Std Dev 2.049e+09
×10^15
30
20
10
0
−10
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
×10^15
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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
χ² / ndf 2.917e+34 / 79
p0 3782 ± 1.118e−16
3810
3800
3790
3780
3770
3760
3750
3740
pull
Entries 80
Mean −1.12e+09
Std Dev 1.12e+09
×10¹⁵
20
10
0
−10
−20
−30
−40

pull1D
Entries 80
Mean 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 9.668e+33 / 79
p0 74.42 ± 1.118e−16
95
90
85
80
75
70
65
60
pull
Entries 80
Mean −2.875e+09
Std Dev 2.875e+09
×10¹⁵
20
15
10
5
0
−5
−10

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_Ndata_mean vs run
$\chi^2$ / ndf 1.459e+37 / 79
p0 1475 ± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean 1.135e+09
Std Dev 1.135e+09
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.923e+32 / 79
p0 22.23 ± 1.118e−16
26
25
24
23
22
21
20
19
pull
Entries 80
Mean 3.169e+07
Std Dev 3.169e+07
$\times 10^{12}$
3000
2000
1000
0
−1000
−2000
−3000

pull1D
Entries 80
Mean 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_err_mean vs run

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil7_mean vs run
χ² / ndf 1.716e+32 / 79
p0 20.97 ± 1.118e−16
pull
Entries 80
Mean 8.982e+07
Std Dev 8.982e+07

pull1D
Entries 80
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
χ² / ndf 7.688e+32 / 79
p0 −442 ± 1.118e−16
−436
−438
−440
−442
−444
−446
−448
pull
Entries 80
Mean −4.267e+10
Std Dev 4.267e+10
×10¹²
4000
2000
0
−2000
−4000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil7_err_mean vs run
χ² / ndf 4.066e+32 / 79
p0 9.37 ± 1.118e−16
pull
Entries 80
Mean −5.164e+08
Std Dev 5.164e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_11X12X_coil7_Ndata_mean vs run

dit_4aY_coil7_mean vs run
$\chi^2$ / ndf 4.16e+31 / 79
p0 −10.95 ± 1.118e−16
pull
Entries 80
Mean 1.667e+09
Std Dev 1.667e+09

pull1D
Entries 80
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run
$\chi^2$ / ndf 2.259e+30 / 79
p0 1.239 ± 1.118e−16
1.6
1.5
1.4
1.3
1.2
1.1
1
pull
Entries 80
Mean 1.221e+09
Std Dev 1.221e+09
$\times 10^{12}$
400
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
$\chi^2$ / ndf 5.121e+31 / 79
p0 −9.385 ± 1.118e−16
−7.5
−8
−8.5
−9
−9.5
−10
−10.5
−11
pull
Entries 80
Mean 8.998e+08
Std Dev 8.998e+08
×10^12
1500
1000
500
0
−500
−1000
−1500

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil7_err_mean vs run
$\chi^2$ / ndf 6.249e+29 / 79
p0 1.283 ± 1.118e−16
1.45
1.4
1.35
1.3
1.25
1.2
1.15
1.1
pull
Entries 80
Mean −2.096e+08
Std Dev 2.096e+08
$\times 10^{12}$
150
100
50
0
−50
−100
−150

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_4eY_coil7_Ndata_mean vs run

dit_usl_coil7_mean vs run
χ² / ndf 1.504e+37 / 79
p0 1.677e+04 ± 1.118e−16
18000
17800
17600
17400
17200
17000
16800
16600
16400
pull
Entries 80
Mean −1.595e+09
Std Dev 1.595e+09
×10^15
1000
800
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 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 3.152e+35 / 79
p0 465 ± 1.118e−16
550
500
450
400
350
pull
Entries 80
Mean −2.008e+08
Std Dev 2.008e+08
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_Ndata_mean vs run
$\chi^2$ / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
$\times 10^{15}$
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_mean vs run
χ² / ndf 8.399e+36 / 79
p0 1.766e+04 ± 1.118e−16
18400
18200
18000
17800
17600
17400
17200
pull
Entries 80
Mean 1.154e+09
Std Dev 1.154e+09
×10^15
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_err_mean vs run
χ² / ndf 1.454e+36 / 79
p0 473.2 ± 1.118e−16
800
700
600
500
400
300
pull
Entries 80
Mean 1.782e+09
Std Dev 1.782e+09
×10¹⁵
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_mean vs run
χ² / ndf 4.713e+37 / 79
p0 1.046e+04 ± 1.118e−16
12500
12000
11500
11000
10500
10000
9500
9000
pull
Entries 80
Mean 2.05e+09
Std Dev 2.05e+09
×10^15
1500
1000
500
0
−500
−1000

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 3.675e+35 / 79
p0 473.3 ± 1.118e−16
650
600
550
500
450
400
350
pull
Entries 80
Mean −3.51e+08
Std Dev 3.51e+08
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
$\chi^2$ / ndf 3.063e+38 / 79
p0 1.286e+05 ± 1.118e−16
×10^3
134
133
132
131
130
129
128
127
126
pull
Entries 80
Mean 1.312e+09
Std Dev 1.312e+09
×10^15
5000
4000
3000
2000
1000
0
−1000
−2000

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 5.867e+37 / 79
p0 6030 ± 1.118e−16
7500
7000
6500
6000
5500
5000
4500
pull
Entries 80
Mean 2.17e+08
Std Dev 2.17e+08
×10^15
1000
500
0
−500
−1000
−1500

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_err_mean vs run
$\chi^2$ / ndf 1.598e+35 / 79
p0 499.7 ± 1.118e−16
580
560
540
520
500
480
460
440
420
400
pull
Entries 80
Mean 2.434e+08
Std Dev 2.434e+08
$\times 10^{15}$
60
40
20
0
−20
−40
−60
−80
−100

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 2.068e+38 / 79
p0 1.143e+05 ± 1.118e−16
×10^3
118
117
116
115
114
113
112
pull
Entries 80
Mean −1.555e+09
Std Dev 1.555e+09
×10^15
3000
2000
1000
0
−1000
−2000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_err_mean vs run
χ² / ndf 3.484e+37 / 79
p0 2538 ± 1.118e−16
4000
3500
3000
2500
2000
1500
pull
Entries 80
Mean −5.451e+08
Std Dev 5.451e+08
×10¹⁵
1500
1000
500
0
−500
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.69e+35 / 79
p0 45.9 ± 1.118e−16
pull
Entries 80
Mean 1.541e+08
Std Dev 1.541e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam1_coil7_err_mean vs run
χ² / ndf 1.142e+34 / 79
p0 80.95 ± 1.118e−16
pull
Entries 80
Mean 1.839e+07
Std Dev 1.839e+07

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_mean vs run
$\chi^2$ / ndf 1.198e+37 / 79
p0 −2536 ± 1.118e−16
−2000
−2200
−2400
−2600
−2800
−3000
−3200
−3400
−3600
pull
Entries 80
Mean −4.282e+08
Std Dev 4.282e+08
×10^15
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_err_mean vs run
χ² / ndf 2.587e+36 / 79
p0 802.7 ± 1.118e−16
1100
1000
900
800
700
600
500
pull
Entries 80
Mean −8.333e+07
Std Dev 8.333e+07
×10¹⁵
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_mean vs run
χ² / ndf 1.682e+36 / 79
p0 −2674 ± 1.118e−16
−2400
−2500
−2600
−2700
−2800
−2900
−3000
pull
Entries 80
Mean −6.498e+07
Std Dev 6.498e+07
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_err_mean vs run
χ² / ndf 1.335e+36 / 79
p0 462.4 ± 1.118e−16
700
650
600
550
500
450
400
350
300
pull
Entries 80
Mean −2.066e+08
Std Dev 2.066e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil7_mean vs run
χ² / ndf 4.19e+36 / 79
p0 –6197 ± 1.118e–16
–5800
–6000
–6200
–6400
–6600
pull
Entries 80
Mean –6.134e+08
Std Dev 6.134e+08
×10¹⁵
400
300
200
100
0
–100
–200
–300
–400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam4_coil7_err_mean vs run
χ² / ndf 2.59e+36 / 79
p0 735.4 ± 1.118e−16
1000
900
800
700
600
500
pull
Entries 80
Mean −2.739e+08
Std Dev 2.739e+08
×10¹⁵
300
200
100
0
−100
−200
pull1D
Entries 80
Mean 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
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil7_mean vs run
χ² / ndf 1.178e+36 / 79
p0 −1380 ± 1.118e−16
−1100
−1200
−1300
−1400
−1500
−1600
pull
Entries 80
Mean −6.447e+08
Std Dev 6.447e+08
×10^15
200
100
0
−100
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil7_err_mean vs run
χ² / ndf 1.486e+34 / 79
p0 194 ± 1.118e−16
210
200
190
180
170
pull
Entries 80
Mean −2.503e+08
Std Dev 2.503e+08
×10¹⁵
20
15
10
5
0
−5
−10
−15
−20
−25
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_mean vs run
χ² / ndf 2.137e+36 / 79
p0 140.4 ± 1.118e−16
pull
Entries 80
Mean 6.019e+08
Std Dev 6.019e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam6_coil7_err_mean vs run
$\chi^2$ / ndf 2.892e+35 / 79
p0 311.6 ± 1.118e−16
420
400
380
360
340
320
300
280
260
240
220
pull
Entries 80
Mean 1.059e+09
Std Dev 1.059e+09
×10^15
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_mean vs run
$\chi^2$ / ndf 2.812e+35 / 79
p0 −949.1 ± 1.118e−16
−850
−900
−950
−1000
−1050
−1100
pull
Entries 80
Mean −5.033e+08
Std Dev 5.033e+08
×10^15
50
0
−50
−100
−150

pull1D
Entries 80
Mean 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 1.427e+35 / 79
p0 154.4 ± 1.118e−16
240
220
200
180
160
140
120
100
pull
Entries 80
Mean −2.13e+08
Std Dev 2.13e+08
×10¹⁵
80
60
40
20
0
−20
−40
−60

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_mean vs run
$\chi^2$ / ndf 1.234e+35 / 79
p0 −762.7 ± 1.118e−16
−700
−720
−740
−760
−780
−800
−820
−840
−860
−880
pull
Entries 80
Mean 2.551e+08
Std Dev 2.551e+08
×10^15
60
40
20
0
−20
−40
−60
−80
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_err_mean vs run
χ² / ndf 7.032e+34 / 79
p0 115.6 ± 1.118e−16
160
140
120
100
80
pull
Entries 80
Mean 1.25e+09
Std Dev 1.25e+09
×10¹⁵
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 4.51e+36 / 79
p0 1525 ± 1.118e−16
2000
1900
1800
1700
1600
1500
1400
1300
1200
pull
Entries 80
Mean 5.16e+08
Std Dev 5.16e+08
×10¹⁵
500
400
300
200
100
0
−100
−200
−300

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil4_mean vs run
χ² / ndf 4.361e+32 / 79
p0 −1.309 ± 1.118e−16
pull
Entries 80
Mean 5.544e+08
Std Dev 5.544e+08
pull1D
Entries 80
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
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# 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 4.165e+31 / 79
p0 174.4 ± 1.118e−16
175
174.5
174
173.5
173
172.5
pull
Entries 80
Mean 1.883e+08
Std Dev 1.883e+08
×10¹²
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_4aY_coil4_err_mean vs run

dit_4aY_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4eY_coil4_mean vs run

dit_4eY_coil4_err_mean vs run
χ² / ndf 2.881e+31 / 79
p0 1.081± 1.118e−16
pull
Entries 80
Mean −1.628e+09
Std Dev 1.628e+09
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4eY_coil4_Ndata_mean vs run

dit_usl_coil4_mean vs run
χ² / ndf 8.063e+35 / 79
p0 4358 ± 1.118e−16
4550
4500
4450
4400
4350
4300
4250
4200
pull
Entries 80
Mean 8.386e+08
Std Dev 8.386e+08
×10¹⁵
200
150
100
50
0
−50
−100
−150

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 2.323e+36 / 79
p0 393.5 ± 1.118e−16
pull
Entries 80
Mean −8.837e+08
Std Dev 8.837e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_usr_coil4_mean vs run
χ² / ndf 6.605e+36 / 79
p0 3512 ± 1.118e−16
3800
3600
3400
3200
3000
2800
2600
pull
Entries 80
Mean 8.001e+08
Std Dev 8.001e+08
×10¹⁵
400
200
0
−200
−400
−600
−800
pull1D
Entries 80
Mean 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
χ² / ndf 1.796e+36 / 79
p0 364.9 ± 1.118e−16
900
800
700
600
500
400
300
200
pull
Entries 80
Mean 9.835e+08
Std Dev 9.835e+08
×10¹⁵
500
400
300
200
100
0
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_atl1_coil4_mean vs run
χ² / ndf 7.952e+36 / 79
p0 −1101 ± 1.118e−16
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 80
Mean 2.207e+08
Std Dev 2.207e+08
×10¹⁵
600
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil4_err_mean vs run
$\chi^2$ / ndf 3.221e+36 / 79
p0 391.5 ± 1.118e−16
1100
1000
900
800
700
600
500
400
300
200
pull
Entries 80
Mean 1.267e+09
Std Dev 1.267e+09
$\times 10^{15}$
700
600
500
400
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atl1_coil4_Ndata_mean vs run

dit_atl2_coil4_mean vs run
χ² / ndf 4.596e+37 / 79
p0 3.189e+04 ± 1.118e−16
33000
32500
32000
31500
31000
30500
pull
Entries 80
Mean −5.234e+09
Std Dev 5.234e+09
×10^15
1000
500
0
−500
−1000
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 9.914e+37 / 79
p0 2320 ± 1.118e−16
6000
5000
4000
3000
2000
1000
pull
Entries 80
Mean −3.447e+09
Std Dev 3.447e+09
×10^15
3500
3000
2500
2000
1500
1000
500
0
−500
−1000

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atl2_coil4_Ndata_mean vs run

dit_atr1_coil4_mean vs run
$\chi^2$ / ndf 2.8e+37 / 79
p0 −2075 ± 1.118e−16
−1500
−2000
−2500
−3000
−3500
−4000
pull
Entries 80
Mean 2.967e+09
Std Dev 2.967e+09
500
0
−500
−1000
−1500

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_err_mean vs run
χ² / ndf 7.093e+36 / 79
p0 466.9 ± 1.118e−16
1600
1400
1200
1000
800
600
400
200
pull
Entries 80
Mean 1.022e+09
Std Dev 1.022e+09
×10¹⁵
1000
800
600
400
200
0
−200

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_atr2_coil4_mean vs run
χ² / ndf 6.819e+37 / 79
p0 2.702e+04 ± 1.118e−16
28500
28000
27500
27000
26500
26000
25500
25000
24500
pull
Entries 80
Mean 2.109e+08
Std Dev 2.109e+08
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 7.431e+37 / 79
p0 2017 ± 1.118e−16
pull
Entries 80
Mean −2.099e+09
Std Dev 2.099e+09
pull1D
Entries 80
Mean 0
Std Dev 0

dit_atr2_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam1_coil4_mean vs run
χ² / ndf 3.993e+35 / 79
p0 −7204 ± 1.118e−16
−7050
−7100
−7150
−7200
−7250
−7300
pull
Entries 80
Mean 1.818e+08
Std Dev 1.818e+08
×10¹⁵
150
100
50
0
−50
−100
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_err_mean vs run
$\chi^2$ / ndf 5.179e+34 / 79
p0 61.6 ± 1.118e−16
140
120
100
80
60
40
pull
Entries 80
Mean −2.773e+09
Std Dev 2.773e+09
×10^15
80
60
40
20
0
−20

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam2_coil4_mean vs run
$\chi^2$ / ndf 4.691e+37 / 79
p0 −3.707e+04 ± 1.118e−16
−34500
−35000
−35500
−36000
−36500
−37000
−37500
−38000
pull
Entries 80
Mean 2.199e+09
Std Dev 2.199e+09
×10^15
2000
1500
1000
500
0
−500
pull1D
Entries 80
Mean 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

dit_sam2_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam3_coil4_mean vs run
χ² / ndf 3.285e+36 / 79
p0 4260 ± 1.118e−16
5000
4900
4800
4700
4600
4500
4400
4300
4200
4100
pull
Entries 80
Mean −5.218e+08
Std Dev 5.218e+08
×10¹⁵
700
600
500
400
300
200
100
0
−100

pull1D
Entries 80
Mean 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 1.264e+36 / 79
p0 380.3 ± 1.118e−16
700
600
500
400
300
pull
Entries 80
Mean 1.401e+08
Std Dev 1.401e+08
×10¹⁵
300
200
100
0
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_Ndata_mean vs run
$\chi^2$ / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam4_coil4_mean vs run
χ² / ndf 7.351e+36 / 79
p0 4.46e+04 ± 1.118e−16
45200
45000
44800
44600
44400
44200
44000
pull
Entries 80
Mean −1.356e+09
Std Dev 1.356e+09
×10^15
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_err_mean vs run
χ² / ndf 4.943e+36 / 79
p0 638.4 ± 1.118e−16
1400
1200
1000
800
600
400
pull
Entries 80
Mean 1.074e+10
Std Dev 1.074e+10
×10¹⁵
800
600
400
200
0
−200
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_sam5_coil4_mean vs run

dit_sam5_coil4_err_mean vs run
χ² / ndf 5.364e+35 / 79
p0 158.5 ± 1.118e−16
pull
Entries 80
Mean −3.539e+09
Std Dev 3.539e+09
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam6_coil4_mean vs run
χ² / ndf 6.749e+36 / 79
p0 2.168e+04 ± 1.118e−16
22200
22000
21800
21600
21400
21200
pull
Entries 80
Mean −2.529e+07
Std Dev 2.529e+07
×10^15
400
200
0
−200
−400
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 7.018e+35 / 79
p0 241.8 ± 1.118e−16
550
500
450
400
350
300
250
200
150
pull
Entries 80
Mean 2.135e+08
Std Dev 2.135e+08
$\times 10^{15}$
300
250
200
150
100
50
0
−50

pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam7_coil4_mean vs run
χ² / ndf 6.964e+35 / 79
p0 −1407 ± 1.118e−16
−1100
−1150
−1200
−1250
−1300
−1350
−1400
−1450
−1500
pull
Entries 80
Mean 1.589e+09
Std Dev 1.589e+09
×10¹⁵
300
250
200
150
100
50
0
−50
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_err_mean vs run
χ² / ndf 1.133e+35 / 79
p0 124.1± 1.118e−16
240
220
200
180
160
140
120
100
80
pull
Entries 80
Mean −3.417e+07
Std Dev 3.417e+07
×10¹⁵
100
80
60
40
20
0
−20
−40

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam8_coil4_mean vs run
χ² / ndf 1.471e+35 / 79
p0 1533 ± 1.118e−16
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
pull
Entries 80
Mean 3.506e+09
Std Dev 3.506e+09
×10¹⁵
120
100
80
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 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 7.835e+34 / 79
p0 94.77 ± 1.118e−16
pull
Entries 80
Mean −1.137e+08
Std Dev 1.137e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 1.974e+37 / 79
p0 1319 ± 1.118e−16
pull
Entries 80
Mean 7.911e+08
Std Dev 7.911e+08
pull1D
Entries 80
Mean 0
Std Dev 0

dit_4aX_coil6_mean vs run
$\chi^2$ / ndf 1.032e+31 / 79
p0 6.987 ± 1.118e−16
7.8
7.6
7.4
7.2
7
6.8
6.6
6.4
pull
Entries 80
Mean 1.623e+09
Std Dev 1.623e+09
$\times 10^{12}$
800
600
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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_err_mean vs run

# dit_4aX_coil6_Ndata_mean vs run

dit_4eX_coil6_mean vs run
χ² / ndf 8.587e+30 / 79
p0 6.886 ± 1.118e−16
7.6
7.4
7.2
7
6.8
6.6
6.4
pull
Entries 80
Mean 9.527e+08
Std Dev 9.527e+08
×10¹²
600
400
200
0
−200
−400
pull1D
Entries 80
Mean 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_err_mean vs run

# dit_4eX_coil6_Ndata_mean vs run

# dit_11X12X_coil6_mean vs run

# dit_11X12X_coil6_err_mean vs run

# dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ² / ndf 9.97e+29 / 79
p0 57.74 ± 1.118e−16
57.95
57.9
57.85
57.8
57.75
57.7
57.65
57.6
pull
Entries 80
Mean −5.846e+08
Std Dev 5.846e+08
×10¹²
200
150
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil6_err_mean vs run
$\chi^2$ / ndf 2.299e+29 / 79
p0 0.3149 ± 1.118e−16
pull
Entries 80
Mean −9.927e+09
Std Dev 9.927e+09
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4aY_coil6_Ndata_mean vs run

dit_4eY_coil6_mean vs run
$\chi^2$ / ndf 2.135e+30 / 79
p0 −11.93 ± 1.118e−16
−11.7
−11.8
−11.9
−12
−12.1
−12.2
pull
Entries 80
Mean −4.488e+08
Std Dev 4.488e+08
×10^12
200
100
0
−100
−200

pull1D
Entries 80
Mean 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_err_mean vs run
χ² / ndf 1.74e+29 / 79
p0 0.2855 ± 1.118e−16
pull
Entries 80
Mean 4.127e+08
Std Dev 4.127e+08
pull1D
Entries 80
Mean 0
Std Dev 0

# dit_4eY_coil6_Ndata_mean vs run

dit_usl_coil6_mean vs run
χ² / ndf 4.507e+35 / 79
p0 −1157 ± 1.118e−16
−1000
−1050
−1100
−1150
−1200
−1250
−1300
pull
Entries 80
Mean −4.715e+08
Std Dev 4.715e+08
×10^15
150
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_err_mean vs run
χ² / ndf 6.56e+34 / 79
p0 108.5 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean 7.58e+08
Std Dev 7.58e+08
×10¹⁵
60
40
20
0
−20

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 1.925e+35 / 79
p0 −80.06 ± 1.118e−16
pull
Entries 80
Mean 0
Std Dev 0

pull1D
Entries 80
Mean 0
Std Dev 0

dit_usr_coil6_err_mean vs run
χ² / ndf 7.006e+34 / 79
p0 104 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean 1.463e+09
Std Dev 1.463e+09
×10¹⁵
80
60
40
20
0
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_mean vs run
χ² / ndf 8.473e+35 / 79
p0 900 ± 1.118e−16
pull
Entries 80
Mean 2.002e+10
Std Dev 2.002e+10
pull1D
Entries 80
Mean 0
Std Dev 0

dit_atl1_coil6_err_mean vs run
χ² / ndf 2.655e+34 / 79
p0 105.5 ± 1.118e−16
140
130
120
110
100
90
80
pull
Entries 80
Mean −2.459e+09
Std Dev 2.459e+09
×10¹⁵
30
20
10
0
−10
−20
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 5.8e+36 / 79
p0 −6143 ± 1.118e−16
−5600
−5800
−6000
−6200
−6400
−6600
pull
Entries 80
Mean −5.026e+09
Std Dev 5.026e+09
×10¹⁵
500
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_err_mean vs run
$\chi^2$ / ndf 2.678e+36 / 79
p0 640.3 ± 1.118e−16
1000
900
800
700
600
500
400
pull
Entries 80
Mean 9.386e+08
Std Dev 9.386e+08
×10^15
300
200
100
0
−100
−200

pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 4.797e+35 / 79
p0 554.9 ± 1.118e−16
700
650
600
550
500
450
pull
Entries 80
Mean 1.114e+09
Std Dev 1.114e+09
150
100
50
0
−50
−100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil6_err_mean vs run
χ² / ndf 3.738e+34 / 79
p0 119.6 ± 1.118e−16
pull
Entries 80
Mean 2.32e+09
Std Dev 2.32e+09

pull1D
Entries 80
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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 3.283e+36 / 79
p0 −4141 ± 1.118e−16
−3700
−3800
−3900
−4000
−4100
−4200
−4300
−4400
pull
Entries 80
Mean 1.897e+08
Std Dev 1.897e+08
×10¹⁵
400
300
200
100
0
−100
−200
−300
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_atr2_coil6_err_mean vs run

# dit_atr2_coil6_Ndata_mean vs run

dit_sam1_coil6_mean vs run
χ² / ndf 1.206e+34 / 79
p0 −3096 ± 1.118e−16
−3080
−3085
−3090
−3095
−3100
−3105
−3110
−3115
−3120
pull
Entries 80
Mean −2.213e+10
Std Dev 2.213e+10
×10¹⁵
15
10
5
0
−5
−10
−15
−20
pull1D
Entries 80
Mean 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 7.294e+32 / 79
p0 19.39 ± 1.118e−16
24
22
20
18
16
14
pull
Entries 80
Mean 5.594e+10
Std Dev 5.594e+10
×10¹²
4000
2000
0
−2000
−4000
pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 5.163e+35 / 79
p0 1998 ± 1.118e−16
2150
2100
2050
2000
1950
1900
1850
1800
pull
Entries 80
Mean 9.414e+08
Std Dev 9.414e+08
×10^15
100
50
0
−50
−100
−150

pull1D
Entries 80
Mean 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

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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 1.534e+35 / 79
p0 –1517 ± 1.118e–16
–1460
–1480
–1500
–1520
–1540
–1560
–1580
–1600
–1620
pull
Entries 80
Mean 5.989e+08
Std Dev 5.989e+08
×10¹⁵
40
20
0
–20
–40
–60
–80
–100

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam3_coil6_err_mean vs run
χ² / ndf 1.009e+35 / 79
p0 111.7 ± 1.118e−16
180
160
140
120
100
80
pull
Entries 80
Mean −1.685e+10
Std Dev 1.685e+10
×10¹⁵
60
40
20
0
−20
−40
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_mean vs run
χ² / ndf 7.461e+35 / 79
p0 −5498 ± 1.118e−16
−5350
−5400
−5450
−5500
−5550
−5600
−5650
−5700
pull
Entries 80
Mean −1.375e+09
Std Dev 1.375e+09
×10¹⁵
100
50
0
−50
−100
−150
pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_err_mean vs run
χ² / ndf 2.085e+35 / 79
p0 179.3 ± 1.118e−16
pull
Entries 80
Mean −1.948e+09
Std Dev 1.948e+09

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 2.888e+34 / 79
p0 551.2 ± 1.118e−16
580
570
560
550
540
530
520
510
pull
Entries 80
Mean −2.117e+10
Std Dev 2.117e+10
×10^15
20
10
0
−10
−20
−30
−40

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 4.986e+33 / 79
p0 42.38 ± 1.118e−16
pull
Entries 80
Mean 2.626e+08
Std Dev 2.626e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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 1.225e+35 / 79
p0 271.8 ± 1.118e−16
pull
Entries 80
Mean −3.367e+08
Std Dev 3.367e+08

pull1D
Entries 80
Mean 0
Std Dev 0

dit_sam6_coil6_err_mean vs run
$\chi^2$ / ndf 2.255e+34 / 79
p0 69.71± 1.118e−16
100
90
80
70
60
50
pull
Entries 80
Mean −2.683e+09
Std Dev 2.683e+09
30
20
10
0
−10
−20

pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 1.688e+34 / 79
p0 270.5 ± 1.118e−16
290
280
270
260
250
240
pull
Entries 80
Mean −9.149e+08
Std Dev 9.149e+08
20
10
0
−10
−20
−30

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

# dit_sam7_coil6_err_mean vs run

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 5.763e+33 / 79
p0 −3694 ± 1.118e−16
−3685
−3690
−3695
−3700
−3705
−3710
pull
Entries 80
Mean −9.492e+09
Std Dev 9.492e+09
×10^15
10
5
0
−5
−10
−15

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_err_mean vs run
χ² / ndf 4.829e+33 / 79
p0 29.66 ± 1.118e−16
45
40
35
30
25
20
pull
Entries 80
Mean 9.181e+08
Std Dev 9.181e+08
15
10
5
0
−5
−10
pull1D
Entries 80
Mean 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_Ndata_mean vs run
χ² / ndf 1.338e+37 / 79
p0 1471± 1.118e−16
2000
1800
1600
1400
1200
1000
800
pull
Entries 80
Mean −5.784e+09
Std Dev 5.784e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 894 / 79
p0 7010 ± 0.3761
7016
7014
7012
7010
7008
7006
7004

pull1D
Entries 80
Mean 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 894 / 79
p0 7010 ± 0.3761
7016
7014
7012
7010
7008
7006
7004

dit_slug_slope vs run
$\chi^2$ / ndf 0 / 86
p0 159 ± 0.1072
160
159.8
159.6
159.4
159.2
159

pull1D
Entries 87
Mean 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
$\chi^2$ / ndf 1.414e+04 / 79
p0 7683 ± 1.496
7705
7700
7695
7690
7685
7680
7675
7670
7665
7660

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_cyclenum_rms vs run
χ² / ndf 1.414e+04 / 79
p0 7683 ± 1.496
7705
7700
7695
7690
7685
7680
7675
7670
7665
7660

dit_scandata1_mean vs run
$\chi^2$ / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 80
Mean 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
$\chi^2$ / ndf 0 / 79
p0 0 ± 0.1118
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

# dit_scandata2_rms vs run

dit_flag_mean vs run
$\chi^2$ / ndf 0 / 79
p0 1 ± 0.1118
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 80
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

# dit_flag_rms vs run

dit_segment_slope vs run
$\chi^2$ / ndf 4.289e−30 / 86
p0 1 ± 2.394e−17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 87
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm1X_slope vs run
$\chi^2$ / ndf 9.643 / 86
p0 −3.217 ± 0.3259
pull
Entries 87
Mean 2486
Std Dev 2472

pull1D
Entries 87
Mean −0.0003427
Std Dev 0.3329

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 19.99 / 86
p0 −51.7 ± 0.2255
−46
−48
−50
−52
−54
−56
pull
Entries 87
Mean −284.9
Std Dev 326.4
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.01663
Std Dev 0.479
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 9.949 / 86
p0 −10.78 ± 0.3024
pull
Entries 87
Mean 508.1
Std Dev 490
pull1D
Entries 87
Mean 0.002036
Std Dev 0.3382

reg_asym_sam1_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 31.98 / 86
p0 12.01 ± 0.2365
pull
Entries 87
Mean −8376
Std Dev 8420

pull1D
Entries 87
Mean −0.001045
Std Dev 0.6063

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 88.16 / 86
p0 0.4436 ± 0.01081
pull
Entries 87
Mean 374.7
Std Dev 327.5
pull1D
Entries 87
Mean 0.05313
Std Dev 1.005

reg_asym_sam2_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.555 / 86
p0 −36.94 ± 2.315
pull
Entries 87
Mean 28.45
Std Dev 119.6

pull1D
Entries 87
Mean 0.006033
Std Dev 0.2526

reg_asym_sam2_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 3.914 / 86
p0 −22.93 ± 1.584
pull
Entries 87
Mean 384.2
Std Dev 343.6

pull1D
Entries 87
Mean −0.006346
Std Dev 0.212

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 6.888 / 86
p0 −160.7 ± 2.147
pull
Entries 87
Mean −6.584
Std Dev 105.9

pull1D
Entries 87
Mean −0.006062
Std Dev 0.2813

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 8.303 / 86
p0 −159.8 ± 1.668
pull
Entries 87
Mean −1466
Std Dev 1509

pull1D
Entries 87
Mean −0.003561
Std Dev 0.3089

reg_asym_sam2_diff_bpm12X_slope vs run
$\chi^2$ / ndf 40.13 / 86
p0 1.458 ± 0.07684
pull
Entries 87
Mean 576.8
Std Dev 530.4
pull1D
Entries 87
Mean 0.02712
Std Dev 0.6786

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.122 / 86
p0 −29.89 ± 1.136
pull
Entries 87
Mean −1521
Std Dev 1571
pull1D
Entries 87
Mean 0.002429
Std Dev 0.2652

reg_asym_sam3_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 1.835 / 86
p0 −7.838 ± 0.774
pull
Entries 87
Mean −37.36
Std Dev 94.66

pull1D
Entries 87
Mean −0.01053
Std Dev 0.1448

reg_asym_sam3_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 9.945 / 86
p0 −81.02 ± 1.054
pull
Entries 87
Mean −627.4
Std Dev 675
pull1D
Entries 87
Mean −0.008545
Std Dev 0.338

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.273 / 86
p0 30.73 ± 0.8167
pull
Entries 87
Mean −103.1
Std Dev 165.2

pull1D
Entries 87
Mean 0.006798
Std Dev 0.1615

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 3.486 / 86
p0 0.3124 ± 0.03783
pull
Entries 87
Mean −2977
Std Dev 3022

pull1D
Entries 87
Mean 0.001214
Std Dev 0.2002

reg_asym_sam4_diff_bpm1X_slope vs run
$\chi^2$ / ndf 6.596 / 86
p0 −49.11 ± 2.548
pull
Entries 87
Mean 1120
Std Dev 1063

pull1D
Entries 87
Mean −0.003092
Std Dev 0.2753

reg_asym_sam4_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 4.537 / 86
p0 6.391 ± 1.744
pull
Entries 87
Mean −190.9
Std Dev 238.9
pull1D
Entries 87
Mean −0.01406
Std Dev 0.2279

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 8.13 / 86
p0 −136.2 ± 2.364
pull
Entries 87
Mean 1693
Std Dev 1637
pull1D
Entries 87
Mean 0.002337
Std Dev 0.3057

reg_asym_sam4_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 12.15 / 86
p0 219.8 ± 1.838
pull
Entries 87
Mean −267
Std Dev 316.2

pull1D
Entries 87
Mean 0.01775
Std Dev 0.3733

reg_asym_sam4_diff_bpm12X_slope vs run
$\chi^2$ / ndf 35.92 / 86
p0 −0.4546 ± 0.08487
pull
Entries 87
Mean 2644
Std Dev 2597

pull1D
Entries 87
Mean −0.00554
Std Dev 0.6425

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 9.857 / 86
p0 −2.051 ± 1.006
pull
Entries 87
Mean 253.6
Std Dev 188.8
pull1D
Entries 87
Mean −0.01523
Std Dev 0.3362

reg_asym_sam5_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 6.294 / 86
p0 46.74 ± 0.6938
pull
Entries 87
Mean −574.2
Std Dev 618.8

pull1D
Entries 87
Mean −0.006604
Std Dev 0.2689

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 86
p0 11.54 ± 0.9331
pull
Entries 87
Mean 278.4
Std Dev 216.2

pull1D
Entries 87
Mean 0.01546
Std Dev 0.3417

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 86
p0 95.59 ± 0.7287
pull
Entries 87
Mean −1468
Std Dev 1513

pull1D
Entries 87
Mean 0.004251
Std Dev 0.3851

reg_asym_sam5_diff_bpm12X_slope vs run
$\chi^2$ / ndf 69.42 / 86
p0 −0.173 ± 0.0334
pull
Entries 87
Mean 376
Std Dev 329

pull1D
Entries 87
Mean −0.05969
Std Dev 0.8913

reg_asym_sam6_diff_bpm1X_slope vs run
$\chi^2$ / ndf 8.455 / 86
p0 18.27 ± 1.027
pull
Entries 87
Mean 246.7
Std Dev 174.4
pull1D
Entries 87
Mean −0.00935
Std Dev 0.3116

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 9.719 / 86
p0 37.28 ± 0.7071
pull
Entries 87
Mean 174.6
Std Dev 132.3
pull1D
Entries 87
Mean 0.01284
Std Dev 0.334

reg_asym_sam6_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 9.651 / 86
p0 51.31 ± 0.9528
pull
Entries 87
Mean 257.2
Std Dev 193.2

pull1D
Entries 87
Mean 0.01406
Std Dev 0.3328

reg_asym_sam6_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 13.44 / 86
p0 75.34 ± 0.7427
pull
Entries 87
Mean 779.2
Std Dev 738.8

pull1D
Entries 87
Mean −0.004664
Std Dev 0.393

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 68.96 / 86
p0 −0.2065 ± 0.03407
pull
Entries 87
Mean 381.2
Std Dev 334.2
pull1D
Entries 87
Mean −0.05563
Std Dev 0.8886

reg_asym_sam7_diff_bpm1X_slope vs run
$\chi^2$ / ndf 12.74 / 86
p0 17.79 ± 0.4139
pull
Entries 87
Mean 5223
Std Dev 5172

pull1D
Entries 87
Mean −0.0003405
Std Dev 0.3826

reg_asym_sam7_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 8.03 / 86
p0 10.11 ± 0.2828
pull
Entries 87
Mean 121.1
Std Dev 69.42

pull1D
Entries 87
Mean 0.01656
Std Dev 0.3034

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 17.2 / 86
p0 −56.23 ± 0.384
pull
Entries 87
Mean −1617
Std Dev 1668
pull1D
Entries 87
Mean −0.001591
Std Dev 0.4447

reg_asym_sam7_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 8.239 / 86
p0 −16.61 ± 0.298
pull
Entries 87
Mean 276.3
Std Dev 223.6
pull1D
Entries 87
Mean −0.008659
Std Dev 0.3076

reg_asym_sam7_diff_bpm12X_slope vs run
$\chi^2$ / ndf 18.67 / 86
p0 0.3807 ± 0.01377
pull
Entries 87
Mean 1642
Std Dev 1598
pull1D
Entries 87
Mean −0.002563
Std Dev 0.4632

reg_asym_sam8_diff_bpm1X_slope vs run
$\chi^2$ / ndf 19.69 / 86
p0 11.07 ± 0.3295
pull
Entries 87
Mean 2171
Std Dev 2112

pull1D
Entries 87
Mean −0.002229
Std Dev 0.4757

reg_asym_sam8_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 29.49 / 86
p0 −39.21 ± 0.2253
pull
Entries 87
Mean 48.35
Std Dev 30.47

pull1D
Entries 87
Mean 0.05366
Std Dev 0.5797

reg_asym_sam8_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 24.44 / 86
p0 −40.52 ± 0.3057
pull
Entries 87
Mean −4420
Std Dev 4474
pull1D
Entries 87
Mean −0.001428
Std Dev 0.53

reg_asym_sam8_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 19.03 / 86
p0 43.55 ± 0.2375
pull
Entries 87
Mean 251.1
Std Dev 200.3

pull1D
Entries 87
Mean −0.01899
Std Dev 0.4673

reg_asym_sam8_diff_bpm12X_slope vs run
$\chi^2$ / ndf 36.81 / 86
p0 0.251 ± 0.01098
pull
Entries 87
Mean 7345
Std Dev 7300

pull1D
Entries 87
Mean −0.001809
Std Dev 0.6505

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 35.35 / 86
p0 −79.3 ± 2.14
pull
Entries 87
Mean 629.9
Std Dev 594.2
pull1D
Entries 87
Mean 0.003276
Std Dev 0.6374

reg_asym_usl_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 42.59 / 86
p0 −2.349 ± 1.471
pull
Entries 87
Mean 255.4
Std Dev 198

pull1D
Entries 87
Mean −0.009273
Std Dev 0.6996

reg_asym_usl_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 34.03 / 86
p0 15.21 ± 1.986
pull
Entries 87
Mean 804
Std Dev 766.9

pull1D
Entries 87
Mean −0.002647
Std Dev 0.6254

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.72 / 86
p0 22.05 ± 1.546
pull
Entries 87
Mean 333.8
Std Dev 278.7

pull1D
Entries 87
Mean 0.01163
Std Dev 0.7248

reg_asym_usl_diff_bpm12X_slope vs run
$\chi^2$ / ndf 83.99 / 86
p0 −41.08 ± 0.07105
−39
−40
−41
−42
−43
−44
pull
Entries 87
Mean 960.8
Std Dev 926.6
2
1
0
−1
−2
−3

pull1D
Entries 87
Mean −0.006285
Std Dev 0.9825
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 33.57 / 86
p0 −73.95 ± 2.039
pull
Entries 87
Mean 431
Std Dev 396.9
pull1D
Entries 87
Mean 0.004914
Std Dev 0.6211

reg_asym_usr_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 30.02 / 86
p0 0.2156 ± 1.401
pull
Entries 87
Mean −650.3
Std Dev 709.1

pull1D
Entries 87
Mean 0.0007272
Std Dev 0.5874

reg_asym_usr_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 32.57 / 86
p0 128.6 ± 1.891
pull
Entries 87
Mean 522.8
Std Dev 489.5

pull1D
Entries 87
Mean −0.004018
Std Dev 0.6119

reg_asym_usr_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 30.98 / 86
p0 15.97 ± 1.472
pull
Entries 87
Mean −300.3
Std Dev 367.1

pull1D
Entries 87
Mean −0.002361
Std Dev 0.5967

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.3 / 86
p0 −37.91 ± 0.0677
pull
Entries 87
Mean 291.7
Std Dev 258.3
pull1D
Entries 87
Mean −0.01511
Std Dev 0.7294

# reg_asym_dsl_diff_bpm1X_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 99 / 86
p0 0.05616 ± 0.08032
pull
Entries 87
Mean −235.6
Std Dev 280.5

pull1D
Entries 87
Mean 0.008523
Std Dev 1.067

reg_asym_dsl_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 83.71 / 86
p0 0.1781 ± 0.1082
pull
Entries 87
Mean 745.1
Std Dev 733.3

pull1D
Entries 87
Mean −0.0009172
Std Dev 0.9809

reg_asym_dsl_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 98.55 / 86
p0 −0.04594 ± 0.08438
pull
Entries 87
Mean −583.9
Std Dev 630.6

pull1D
Entries 87
Mean −0.004456
Std Dev 1.064

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 83.53 / 86
p0 −0.009255 ± 0.003871
pull
Entries 87
Mean 318.7
Std Dev 291.4
pull1D
Entries 87
Mean −0.01017
Std Dev 0.9798

# reg_asym_dsr_diff_bpm1X_slope vs run

# reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 100.8 / 86
p0 0.01294 ± 0.1462
pull
Entries 87
Mean −3275
Std Dev 3315

pull1D
Entries 87
Mean −0.0006918
Std Dev 1.077

reg_asym_dsr_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 85.32 / 86
p0 0.0758 ± 0.114
pull
Entries 87
Mean 2149
Std Dev 2105

pull1D
Entries 87
Mean 0.00295
Std Dev 0.9903

reg_asym_dsr_diff_bpm12X_slope vs run
$\chi^2$ / ndf 70.35 / 86
p0 0.01272 ± 0.005229
pull
Entries 87
Mean 907.5
Std Dev 868.8

pull1D
Entries 87
Mean 0.007074
Std Dev 0.8992

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 23.42 / 86
p0 −76.66 ± 1.782
pull
Entries 87
Mean 428.2
Std Dev 392.9
pull1D
Entries 87
Mean 0.005842
Std Dev 0.5188

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.07 / 86
p0 −1.025 ± 1.225
pull
Entries 87
Mean 253.6
Std Dev 195.3

pull1D
Entries 87
Mean −0.006895
Std Dev 0.5473

reg_asym_us_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 22.24 / 86
p0 71.95 ± 1.653
pull
Entries 87
Mean 497.9
Std Dev 462.3

pull1D
Entries 87
Mean −0.005092
Std Dev 0.5055

reg_asym_us_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 25.23 / 86
p0 18.95 ± 1.287
pull
Entries 87
Mean 346.5
Std Dev 288.6

pull1D
Entries 87
Mean 0.008087
Std Dev 0.5385

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 56.37 / 86
p0 −39.49 ± 0.05914
pull
Entries 87
Mean 449.1
Std Dev 415.1

pull1D
Entries 87
Mean −0.01386
Std Dev 0.8048

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 65.17 / 86
p0 −2.646 ± 1.086
pull
Entries 87
Mean 3.487
Std Dev 55.13

pull1D
Entries 87
Mean −0.002677
Std Dev 0.8655

reg_asym_us_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 64.28 / 86
p0 −1.263 ± 0.7458
pull
Entries 87
Mean 187
Std Dev 129.9
pull1D
Entries 87
Mean −0.01061
Std Dev 0.8595

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.17 / 86
p0 −56.72 ± 1.007
pull
Entries 87
Mean −49.13
Std Dev 118.4
pull1D
Entries 87
Mean 0.002081
Std Dev 0.8589

reg_asym_us_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 73.96 / 86
p0 3.045 ± 0.7845
pull
Entries 87
Mean 247.7
Std Dev 196.5
pull1D
Entries 87
Mean 0.01291
Std Dev 0.9219

reg_asym_us_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 96.01 / 86
p0 −1.588 ± 0.03609
pull
Entries 87
Mean −106
Std Dev 141.8
pull1D
Entries 87
Mean 0.01506
Std Dev 1.05

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 96.84 / 86
p0 −0.1116 ± 0.09813
pull
Entries 87
Mean −559.4
Std Dev 609.7

pull1D
Entries 87
Mean 0.002338
Std Dev 1.055

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 105.5 / 86
p0 0.002898 ± 0.06759
pull
Entries 87
Mean −1134
Std Dev 1179

pull1D
Entries 87
Mean 0.005583
Std Dev 1.101

reg_asym_ds_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 98.19 / 86
p0 0.0988 ± 0.09105
pull
Entries 87
Mean −439
Std Dev 485.7

pull1D
Entries 87
Mean −0.003007
Std Dev 1.062

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 86
p0 0.0139 ± 0.071
pull
Entries 87
Mean 1.18e+04
Std Dev 1.175e+04

pull1D
Entries 87
Mean 0.000566
Std Dev 1.095

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 53.26 / 86
p0 0.001708 ± 0.003256
pull
Entries 87
Mean 2.368e+04
Std Dev 2.364e+04
pull1D
Entries 87
Mean 0.0001381
Std Dev 0.7824

reg_asym_ds_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 93.67 / 86
p0 −0.09398 ± 0.09792
pull
Entries 87
Mean −897.2
Std Dev 931.8
pull1D
Entries 87
Mean −0.002259
Std Dev 1.038

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.82 / 86
p0 0.05451 ± 0.06742
pull
Entries 87
Mean 1103
Std Dev 1058
pull1D
Entries 87
Mean 0.003535
Std Dev 0.9578

reg_asym_ds_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 91.56 / 86
p0 0.07914 ± 0.09086
pull
Entries 87
Mean −1065
Std Dev 1099
pull1D
Entries 87
Mean 0.002031
Std Dev 1.026

# reg_asym_ds_dd_diff_bpm4eY_slope vs run

reg_asym_ds_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 96.65 / 86
p0 −0.011 ± 0.003249
pull
Entries 87
Mean 610.8
Std Dev 575.1
pull1D
Entries 87
Mean −0.01161
Std Dev 1.054

reg_asym_left_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 36.22 / 86
p0 −39.75 ± 1.072
pull
Entries 87
Mean 639.8
Std Dev 604.6

pull1D
Entries 87
Mean 0.003265
Std Dev 0.6452

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.56 / 86
p0 −1.144 ± 0.737
pull
Entries 87
Mean 275.2
Std Dev 218.6

pull1D
Entries 87
Mean −0.00901
Std Dev 0.7075

reg_asym_left_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 34.78 / 86
p0 7.694 ± 0.9946
pull
Entries 87
Mean 799.1
Std Dev 762.5

pull1D
Entries 87
Mean −0.002702
Std Dev 0.6323

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.32 / 86
p0 11 ± 0.7745
pull
Entries 87
Mean 347.3
Std Dev 292.6

pull1D
Entries 87
Mean 0.01158
Std Dev 0.7296

reg_asym_left_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 85.59 / 86
p0 −20.54 ± 0.03559
pull
Entries 87
Mean 903.6
Std Dev 869.6

pull1D
Entries 87
Mean −0.00687
Std Dev 0.9918

reg_asym_left_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 34.74 / 86
p0 −39.55 ± 1.071
pull
Entries 87
Mean 616.4
Std Dev 580.1

pull1D
Entries 87
Mean 0.003297
Std Dev 0.6319

reg_asym_left_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 41.93 / 86
p0 −1.205 ± 0.7365
pull
Entries 87
Mean 236.6
Std Dev 178.4

pull1D
Entries 87
Mean −0.009513
Std Dev 0.6942

reg_asym_left_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 33.55 / 86
p0 7.516 ± 0.9939
pull
Entries 87
Mean 802.9
Std Dev 765.4

pull1D
Entries 87
Mean −0.002604
Std Dev 0.621

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.42 / 86
p0 11.05 ± 0.7739
pull
Entries 87
Mean 320.4
Std Dev 265.1

pull1D
Entries 87
Mean 0.01165
Std Dev 0.7224

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 82.39 / 86
p0 −20.54 ± 0.03556
pull
Entries 87
Mean 1031
Std Dev 996.5
pull1D
Entries 87
Mean −0.005675
Std Dev 0.9732

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 35.98 / 86
p0 −36.99 ± 1.022
pull
Entries 87
Mean 374.5
Std Dev 341

pull1D
Entries 87
Mean 0.00525
Std Dev 0.643

reg_asym_right_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 28.8 / 86
p0 0.09185 ± 0.7024
pull
Entries 87
Mean −2.35e+04
Std Dev 2.355e+04

pull1D
Entries 87
Mean 4.161e−05
Std Dev 0.5754

reg_asym_right_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 34.71 / 86
p0 64.32 ± 0.9483
pull
Entries 87
Mean 443.6
Std Dev 410.8

pull1D
Entries 87
Mean −0.004376
Std Dev 0.6317

reg_asym_right_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 29.65 / 86
p0 8.014 ± 0.7382
pull
Entries 87
Mean −875.8
Std Dev 934.8

pull1D
Entries 87
Mean −0.001384
Std Dev 0.5838

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 45.46 / 86
p0 −18.95 ± 0.03394
pull
Entries 87
Mean 274.9
Std Dev 242.2
pull1D
Entries 87
Mean −0.01418
Std Dev 0.7227

reg_asym_right_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 32.01 / 86
p0 −36.96 ± 1.023
pull
Entries 87
Mean 493.8
Std Dev 459.3
pull1D
Entries 87
Mean 0.004572
Std Dev 0.6066

reg_asym_right_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 31.92 / 86
p0 0.1233 ± 0.7026
pull
Entries 87
Mean 24.63
Std Dev 101.6

pull1D
Entries 87
Mean 0.001439
Std Dev 0.6057

reg_asym_right_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 31.28 / 86
p0 64.3 ± 0.9487
pull
Entries 87
Mean 615.7
Std Dev 582

pull1D
Entries 87
Mean −0.00365
Std Dev 0.5996

reg_asym_right_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 32.95 / 86
p0 7.959 ± 0.7385
pull
Entries 87
Mean −59.82
Std Dev 148.5

pull1D
Entries 87
Mean −0.003358
Std Dev 0.6154

reg_asym_right_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 47.44 / 86
p0 −18.96 ± 0.03396
pull
Entries 87
Mean 306.3
Std Dev 272.4
pull1D
Entries 87
Mean −0.01597
Std Dev 0.7382

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 15.31 / 86
p0 −2.644 ± 0.3668
pull
Entries 87
Mean 287.4
Std Dev 227
pull1D
Entries 87
Mean −0.01969
Std Dev 0.4191

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.672 / 86
p0 −2.49 ± 0.2525
pull
Entries 87
Mean 1.814e+04
Std Dev 1.81e+04

pull1D
Entries 87
Mean 0.0001773
Std Dev 0.2769

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.69 / 86
p0 0.3947 ± 0.3403
pull
Entries 87
Mean 314.1
Std Dev 255.8

pull1D
Entries 87
Mean 0.02011
Std Dev 0.4242

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.55 / 86
p0 53.8 ± 0.2654
pull
Entries 87
Mean −1066
Std Dev 1113

pull1D
Entries 87
Mean 0.004458
Std Dev 0.3797

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 66.08 / 86
p0 0.1337 ± 0.01219
pull
Entries 87
Mean 419.7
Std Dev 372.9

pull1D
Entries 87
Mean −0.05176
Std Dev 0.87

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 8.15 / 86
p0 −0.5846 ± 0.6513
pull
Entries 87
Mean 235.7
Std Dev 165.4
pull1D
Entries 87
Mean 0.01173
Std Dev 0.3058

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 7.88 / 86
p0 −49.22 ± 0.4499
pull
Entries 87
Mean −429.5
Std Dev 473.2
pull1D
Entries 87
Mean 0.009526
Std Dev 0.3008

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.458 / 86
p0 −11.16 ± 0.6043
pull
Entries 87
Mean 263.6
Std Dev 196.8
pull1D
Entries 87
Mean −0.01163
Std Dev 0.3116

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.4 / 86
p0 −41.79 ± 0.4722
pull
Entries 87
Mean −2123
Std Dev 2168
pull1D
Entries 87
Mean −0.003301
Std Dev 0.4207

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 72.8 / 86
p0 0.3074 ± 0.02162
pull
Entries 87
Mean 364
Std Dev 317
pull1D
Entries 87
Mean 0.06146
Std Dev 0.9127

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.435 / 86
p0 −6.06 ± 0.7647
pull
Entries 87
Mean −1345
Std Dev 1395

pull1D
Entries 87
Mean 0.002375
Std Dev 0.2499

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 1.5 / 86
p0 1.131 ± 0.5214
pull
Entries 87
Mean −283.2
Std Dev 339.1

pull1D
Entries 87
Mean −0.003013
Std Dev 0.1313

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 10.31 / 86
p0 −68.62 ± 0.7094
pull
Entries 87
Mean −639.5
Std Dev 687.5
pull1D
Entries 87
Mean −0.007284
Std Dev 0.3442

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.127 / 86
p0 7.064 ± 0.5501
pull
Entries 87
Mean −470.5
Std Dev 529

pull1D
Entries 87
Mean 0.002511
Std Dev 0.1563

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 3.96 / 86
p0 0.3465 ± 0.02547
pull
Entries 87
Mean −8028
Std Dev 8073

pull1D
Entries 87
Mean 0.000475
Std Dev 0.2133

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 12.68 / 86
p0 −23.82 ± 0.3818
pull
Entries 87
Mean −5675
Std Dev 5724
pull1D
Entries 87
Mean 0.0008196
Std Dev 0.3818

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.798 / 86
p0 −8.967 ± 0.2601
pull
Entries 87
Mean 21.97
Std Dev 38.41
pull1D
Entries 87
Mean −0.02559
Std Dev 0.2784

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.66 / 86
p0 −12.42 ± 0.3542
pull
Entries 87
Mean −746.1
Std Dev 793.2
pull1D
Entries 87
Mean −0.00896
Std Dev 0.3814

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.381 / 86
p0 23.67 ± 0.2746
pull
Entries 87
Mean 19.81
Std Dev 54.42

pull1D
Entries 87
Mean 0.01565
Std Dev 0.2704

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 10.57 / 86
p0 −0.03396 ± 0.01272
pull
Entries 87
Mean −1277
Std Dev 1323

pull1D
Entries 87
Mean 0.002447
Std Dev 0.3485

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 7.32 / 86
p0 −9.369 ± 0.6831
pull
Entries 87
Mean −229.5
Std Dev 249.6

pull1D
Entries 87
Mean 0.006018
Std Dev 0.29

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 6.465 / 86
p0 7.102 ± 0.4657
pull
Entries 87
Mean −326.4
Std Dev 364.8

pull1D
Entries 87
Mean 0.00626
Std Dev 0.2725

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.23 / 86
p0 −54.58 ± 0.6336
pull
Entries 87
Mean −225
Std Dev 258
pull1D
Entries 87
Mean −0.01058
Std Dev 0.3899

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 86
p0 −42.07 ± 0.491
pull
Entries 87
Mean −223.2
Std Dev 265.9
pull1D
Entries 87
Mean −0.02416
Std Dev 0.5066

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 20.79 / 86
p0 0.623 ± 0.0227
pull
Entries 87
Mean 1081
Std Dev 1036
pull1D
Entries 87
Mean 0.009877
Std Dev 0.4887

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.83 / 86
p0 −27.59 ± 1.655
pull
Entries 87
Mean 123.4
Std Dev 86.45
pull1D
Entries 87
Mean 0.006691
Std Dev 0.2588

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 4.579 / 86
p0 −30.08 ± 1.135
pull
Entries 87
Mean 254.7
Std Dev 213.5

pull1D
Entries 87
Mean −0.009693
Std Dev 0.2292

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 6.349 / 86
p0 −106.1 ± 1.536
pull
Entries 87
Mean 151
Std Dev 47.41
pull1D
Entries 87
Mean −0.006788
Std Dev 0.2701

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.838 / 86
p0 −117.6 ± 1.194
pull
Entries 87
Mean 3177
Std Dev 3135
pull1D
Entries 87
Mean 0.001543
Std Dev 0.2804

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 48.98 / 86
p0 0.8328 ± 0.05493
pull
Entries 87
Mean 489.9
Std Dev 443.3
pull1D
Entries 87
Mean 0.03575
Std Dev 0.7495

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 7.766 / 86
p0 −19.03 ± 1.408
pull
Entries 87
Mean 1382
Std Dev 1325
pull1D
Entries 87
Mean −0.002671
Std Dev 0.2988

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.623 / 86
p0 −16.4 ± 0.9636
pull
Entries 87
Mean −373.2
Std Dev 422.2
pull1D
Entries 87
Mean −0.007245
Std Dev 0.2039

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 10.45 / 86
p0 131.6 ± 1.016
pull
Entries 87
Mean −319.3
Std Dev 368.5

pull1D
Entries 87
Mean 0.01504
Std Dev 0.3462

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 36.98 / 86
p0 −0.1035 ± 0.04693
pull
Entries 87
Mean 4495
Std Dev 4449

pull1D
Entries 87
Mean −0.003276
Std Dev 0.6519

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.388 / 86
p0 −30.08 ± 1.147
pull
Entries 87
Mean 960.4
Std Dev 903.9

pull1D
Entries 87
Mean −0.003277
Std Dev 0.2488

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.954 / 86
p0 22.77 ± 0.7863
pull
Entries 87
Mean −124.3
Std Dev 171.5

pull1D
Entries 87
Mean −0.02154
Std Dev 0.2819

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 6.428 / 86
p0 −47.86 ± 1.064
pull
Entries 87
Mean 1111
Std Dev 1054

pull1D
Entries 87
Mean 0.003144
Std Dev 0.2718

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.04 / 86
p0 88.14 ± 0.8281
pull
Entries 87
Mean −230.6
Std Dev 279.7

pull1D
Entries 87
Mean 0.02022
Std Dev 0.4153

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 34.38 / 86
p0 −0.3509 ± 0.0382
pull
Entries 87
Mean 1681
Std Dev 1634

pull1D
Entries 87
Mean −0.008603
Std Dev 0.6286

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.69 / 86
p0 −12.15 ± 0.3516
pull
Entries 87
Mean −25.04
Std Dev 112.1

pull1D
Entries 87
Mean 0.00406
Std Dev 0.2557

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 6.84 / 86
p0 −29.12 ± 0.2417
pull
Entries 87
Mean −7478
Std Dev 7519

pull1D
Entries 87
Mean 0.0005232
Std Dev 0.2804

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.884 / 86
p0 −11.88 ± 0.3262
pull
Entries 87
Mean −945.9
Std Dev 962.4

pull1D
Entries 87
Mean −0.001324
Std Dev 0.2601

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.19 / 86
p0 −9.032 ± 0.254
pull
Entries 87
Mean −1.526e+04
Std Dev 1.53e+04

pull1D
Entries 87
Mean −0.0004279
Std Dev 0.3743

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.82 / 86
p0 0.1405 ± 0.01167
pull
Entries 87
Mean 443.5
Std Dev 396.7
pull1D
Entries 87
Mean 0.04195
Std Dev 0.8555

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.358 / 86
p0 1.632 ± 0.391
pull
Entries 87
Mean −749.2
Std Dev 775.6

pull1D
Entries 87
Mean −0.001018
Std Dev 0.1965

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 2.224 / 86
p0 −1.81 ± 0.2671
pull
Entries 87
Mean 268.9
Std Dev 234.7

pull1D
Entries 87
Mean 0.002797
Std Dev 0.1599

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 6.677 / 86
p0 34.6 ± 0.3627
pull
Entries 87
Mean −736.6
Std Dev 774.7
pull1D
Entries 87
Mean 0.002753
Std Dev 0.277

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.087 / 86
p0 23.37 ± 0.2814
pull
Entries 87
Mean 7389
Std Dev 7355

pull1D
Entries 87
Mean −0.0001636
Std Dev 0.1884

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 7.153 / 86
p0 −0.1107 ± 0.01299
pull
Entries 87
Mean 810.4
Std Dev 763.3

pull1D
Entries 87
Mean −0.007341
Std Dev 0.2866

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.184 / 86
p0 −28.83 ± 1.058
pull
Entries 87
Mean −300.6
Std Dev 330.1
pull1D
Entries 87
Mean 0.003214
Std Dev 0.1584

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 4.346 / 86
p0 −3.648 ± 0.723
pull
Entries 87
Mean 24.25
Std Dev 37.39

pull1D
Entries 87
Mean −0.01948
Std Dev 0.2226

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.919 / 86
p0 −76.97 ± 0.9819
pull
Entries 87
Mean −279.1
Std Dev 310.6

pull1D
Entries 87
Mean −0.003538
Std Dev 0.1831

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 3.761 / 86
p0 −14.69 ± 0.762
pull
Entries 87
Mean 131
Std Dev 112.2

pull1D
Entries 87
Mean 0.008659
Std Dev 0.2078

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 7.86 / 86
p0 0.2552 ± 0.03521
pull
Entries 87
Mean 2831
Std Dev 2785

pull1D
Entries 87
Mean 0.001803
Std Dev 0.3006

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 12.82 / 86
p0 4.729 ± 0.6004
pull
Entries 87
Mean 239.1
Std Dev 167.8

pull1D
Entries 87
Mean 0.01595
Std Dev 0.3835

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 10.38 / 86
p0 11.79 ± 0.4119
pull
Entries 87
Mean −633.7
Std Dev 679.9

pull1D
Entries 87
Mean 0.007135
Std Dev 0.3453

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 12.76 / 86
p0 16.96 ± 0.557
pull
Entries 87
Mean 267.8
Std Dev 197.9

pull1D
Entries 87
Mean −0.01429
Std Dev 0.3827

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.2 / 86
p0 −86.96 ± 0.4337
pull
Entries 87
Mean −491.4
Std Dev 538.5
pull1D
Entries 87
Mean −0.01858
Std Dev 0.6448

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 88.07 / 86
p0 0.3523 ± 0.01998
pull
Entries 87
Mean 632.4
Std Dev 586
pull1D
Entries 87
Mean 0.03828
Std Dev 1.005

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 9.792 / 86
p0 −10.85 ± 0.8409
pull
Entries 87
Mean 730.3
Std Dev 672.5

pull1D
Entries 87
Mean −0.005943
Std Dev 0.3354

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.117 / 86
p0 −9.442 ± 0.5761
pull
Entries 87
Mean −493.7
Std Dev 542.3
pull1D
Entries 87
Mean −0.006029
Std Dev 0.2175

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 11.59 / 86
p0 −43.97 ± 0.7802
pull
Entries 87
Mean 997.3
Std Dev 941
pull1D
Entries 87
Mean 0.005011
Std Dev 0.3649

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.67 / 86
p0 92.72 ± 0.6069
pull
Entries 87
Mean −388
Std Dev 436.8

pull1D
Entries 87
Mean 0.01311
Std Dev 0.35

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 46.99 / 86
p0 0.01301 ± 0.02801
pull
Entries 87
Mean 1666
Std Dev 1620
pull1D
Entries 87
Mean −0.01017
Std Dev 0.7348

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 6.907 / 86
p0 −12.57 ± 1.048
pull
Entries 87
Mean −7995
Std Dev 8049

pull1D
Entries 87
Mean 0.0004506
Std Dev 0.2818

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 2.524 / 86
p0 −7.624 ± 0.7157
pull
Entries 87
Mean −320.1
Std Dev 370.1

pull1D
Entries 87
Mean −0.006587
Std Dev 0.1702

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.976 / 86
p0 −78.47 ± 0.972
pull
Entries 87
Mean −1531
Std Dev 1583

pull1D
Entries 87
Mean −0.002975
Std Dev 0.3386

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.523 / 86
p0 69.33 ± 0.7548
pull
Entries 87
Mean −290.8
Std Dev 341

pull1D
Entries 87
Mean 0.01243
Std Dev 0.2735

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 22.46 / 86
p0 0.1191± 0.03491
pull
Entries 87
Mean −6931
Std Dev 6977

pull1D
Entries 87
Mean 0.001611
Std Dev 0.5081

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 8.876 / 86
p0 −6.085 ± 0.3448
pull
Entries 87
Mean −520.2
Std Dev 564.2

pull1D
Entries 87
Mean 0.007674
Std Dev 0.3193

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.905 / 86
p0 2.302 ± 0.235
pull
Entries 87
Mean −22.21
Std Dev 29.79

pull1D
Entries 87
Mean 0.006993
Std Dev 0.2816

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.77 / 86
p0 −27.01 ± 0.3198
pull
Entries 87
Mean −388.6
Std Dev 433.8

pull1D
Entries 87
Mean −0.01358
Std Dev 0.4389

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.33 / 86
p0 5.884 ± 0.2479
pull
Entries 87
Mean −97.62
Std Dev 137

pull1D
Entries 87
Mean −0.02532
Std Dev 0.4945

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 5.224 / 86
p0 0.3746 ± 0.01148
pull
Entries 87
Mean 571.4
Std Dev 512.7

pull1D
Entries 87
Mean −0.0009914
Std Dev 0.245

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ2 / ndf 4.725 / 86
p0 −7.711 ± 0.704
pull
Entries 87
Mean −609.3
Std Dev 650.3

pull1D
Entries 87
Mean 0.003921
Std Dev 0.233

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 1.988 / 86
p0 4.111 ± 0.4799
pull
Entries 87
Mean −246
Std Dev 267.6

pull1D
Entries 87
Mean 0.002012
Std Dev 0.1511

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.42 / 86
p0 −61.6 ± 0.6531
pull
Entries 87
Mean −421.1
Std Dev 464.2
pull1D
Entries 87
Mean −0.008732
Std Dev 0.3459

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 5.131 / 86
p0 −17.49 ± 0.5062
pull
Entries 87
Mean −158.3
Std Dev 196.2

pull1D
Entries 87
Mean −0.01202
Std Dev 0.2425

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 2.638 / 86
p0 0.4868 ± 0.02342
pull
Entries 87
Mean 7628
Std Dev 7582

pull1D
Entries 87
Mean 0.0003832
Std Dev 0.1741

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.195 / 86
p0 8.162 ± 0.5936
pull
Entries 87
Mean −2.991e+04
Std Dev 2.996e+04

pull1D
Entries 87
Mean −8.876e−05
Std Dev 0.2444

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 3.18 / 86
p0 6.956 ± 0.4056
pull
Entries 87
Mean −268.4
Std Dev 318.1

pull1D
Entries 87
Mean 0.008205
Std Dev 0.191

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 7.155 / 86
p0 44.41 ± 0.5507
pull
Entries 87
Mean −2027
Std Dev 2082

pull1D
Entries 87
Mean 0.001572
Std Dev 0.2868

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 10.32 / 86
p0 −38.91 ± 0.4277
pull
Entries 87
Mean −255.3
Std Dev 305.3

pull1D
Entries 87
Mean −0.01642
Std Dev 0.344

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 22.44 / 86
p0 0.1144 ± 0.01978
pull
Entries 87
Mean −1.184e+04
Std Dev 1.189e+04
pull1D
Entries 87
Mean −0.0009395
Std Dev 0.5079

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 6.767 / 86
p0 8.792 ± 0.2956
pull
Entries 87
Mean −1009
Std Dev 1057

pull1D
Entries 87
Mean 0.003826
Std Dev 0.2789

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 9.231 / 86
p0 9.884 ± 0.3995
pull
Entries 87
Mean 266.9
Std Dev 194.1

pull1D
Entries 87
Mean −0.01069
Std Dev 0.3256

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.38 / 86
p0 −62.35 ± 0.3111
pull
Entries 87
Mean −648.6
Std Dev 696.8
pull1D
Entries 87
Mean −0.01108
Std Dev 0.4838

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 69.71 / 86
p0 0.2167 ± 0.01433
pull
Entries 87
Mean 596.3
Std Dev 549.6
pull1D
Entries 87
Mean 0.03641
Std Dev 0.8944

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 9.4 / 86
p0 3.336 ± 0.4261
pull
Entries 87
Mean 116.4
Std Dev 84.52

pull1D
Entries 87
Mean −0.009989
Std Dev 0.3286

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.212 / 86
p0 −4.821 ± 0.2916
pull
Entries 87
Mean −6962
Std Dev 7004

pull1D
Entries 87
Mean −0.0004734
Std Dev 0.2672

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 12.22 / 86
p0 27.54 ± 0.3952
pull
Entries 87
Mean 48.8
Std Dev 105.1

pull1D
Entries 87
Mean 0.009991
Std Dev 0.3746

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 19.29 / 86
p0 48.01 ± 0.3069
pull
Entries 87
Mean −711.3
Std Dev 755.4

pull1D
Entries 87
Mean 0.009761
Std Dev 0.4708

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 47.24 / 86
p0 −0.2419 ± 0.01414
pull
Entries 87
Mean 450.6
Std Dev 404.3
pull1D
Entries 87
Mean −0.04064
Std Dev 0.7358

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.43 / 86
p0 −2.989 ± 0.119
pull
Entries 87
Mean −338.2
Std Dev 382.1
pull1D
Entries 87
Mean −0.01757
Std Dev 0.6008

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 31.03 / 86
p0 −7.073 ± 0.1612
pull
Entries 87
Mean 267.9
Std Dev 201.3

pull1D
Entries 87
Mean 0.02306
Std Dev 0.5968

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.2 / 86
p0 24.59 ± 0.1254
pull
Entries 87
Mean −313
Std Dev 358.7

pull1D
Entries 87
Mean 0.04301
Std Dev 1.109

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 150.4 / 86
p0 −0.1359 ± 0.005784
pull
Entries 87
Mean 751.9
Std Dev 706.1

pull1D
Entries 87
Mean −0.03962
Std Dev 1.314

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 10.45 / 86
p0 −4.408 ± 0.4559
pull
Entries 87
Mean −7003
Std Dev 7057

pull1D
Entries 87
Mean 0.0006896
Std Dev 0.3465

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 2.696 / 86
p0 −0.6692 ± 0.3114
pull
Entries 87
Mean −457.1
Std Dev 507.6

pull1D
Entries 87
Mean −0.004336
Std Dev 0.176

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 15 / 86
p0 −34.06 ± 0.4229
pull
Entries 87
Mean −1352
Std Dev 1403
pull1D
Entries 87
Mean −0.004673
Std Dev 0.4152

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 4.943 / 86
p0 30.42 ± 0.3284
pull
Entries 87
Mean −414.5
Std Dev 465.2

pull1D
Entries 87
Mean 0.006894
Std Dev 0.2383

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 22.79 / 86
p0 0.2335 ± 0.01519
pull
Entries 87
Mean −4938
Std Dev 4983

pull1D
Entries 87
Mean 0.002265
Std Dev 0.5118

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5.488 / 86
p0 −14.25 ± 0.9287
pull
Entries 87
Mean −956.8
Std Dev 1007
pull1D
Entries 87
Mean 0.003301
Std Dev 0.2511

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 1.516 / 86
p0 −4.644 ± 0.634
pull
Entries 87
Mean −387.2
Std Dev 442.1

pull1D
Entries 87
Mean −0.003386
Std Dev 0.132

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.433 / 86
p0 −71.42 ± 0.8616
pull
Entries 87
Mean −697.4
Std Dev 747.4
pull1D
Entries 87
Mean −0.005748
Std Dev 0.3292

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.642 / 86
p0 44.77 ± 0.6687
pull
Entries 87
Mean −551.5
Std Dev 608.9

pull1D
Entries 87
Mean 0.003035
Std Dev 0.1742

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 10.18 / 86
p0 0.2598 ± 0.03094
pull
Entries 87
Mean −7279
Std Dev 7325

pull1D
Entries 87
Mean 0.001003
Std Dev 0.342

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 4.457 / 86
p0 4.918 ± 0.2432
pull
Entries 87
Mean −346.5
Std Dev 388.8

pull1D
Entries 87
Mean −0.00448
Std Dev 0.2263

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.474 / 86
p0 18.69 ± 0.2256
pull
Entries 87
Mean −328.6
Std Dev 375.8

pull1D
Entries 87
Mean 0.0054
Std Dev 0.2931

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 3.547 / 86
p0 −0.0132 ± 0.008098
pull
Entries 87
Mean 4590
Std Dev 4542
pull1D
Entries 87
Mean 0.0007522
Std Dev 0.2019

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.89 / 86
p0 −52.74 ± 0.6401
pull
Entries 87
Mean −850.2
Std Dev 900.6
pull1D
Entries 87
Mean −0.00562
Std Dev 0.3538

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 3.205 / 86
p0 37.59 ± 0.4969
pull
Entries 87
Mean −488.1
Std Dev 542.5

pull1D
Entries 87
Mean 0.004253
Std Dev 0.1919

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 13.76 / 86
p0 0.2466 ± 0.02299
pull
Entries 87
Mean −5368
Std Dev 5414
pull1D
Entries 87
Mean 0.001603
Std Dev 0.3977

reg_asym_atl1_diff_bpm1X_slope vs run
$\chi^2$ / ndf 86.64 / 86
p0 −23.85 ± 2.933
100
50
0
−50
−100
pull
Entries 87
Mean 387.7
Std Dev 340.7
3
2
1
0
−1
−2

pull1D
Entries 87
Mean 0.0148
Std Dev 0.9978
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 78.6 / 86
p0 6.928 ± 2.02
pull
Entries 87
Mean 3545
Std Dev 3491

pull1D
Entries 87
Mean −0.001401
Std Dev 0.9505

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 86.08 / 86
p0 60.3 ± 2.721
150
100
50
0
−50
pull
Entries 87
Mean 543.7
Std Dev 496.8
2
1
0
−1
−2
−3

pull1D
Entries 87
Mean −0.01132
Std Dev 0.9946
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 87.66 / 86
p0 −14.53 ± 2.122
pull
Entries 87
Mean 2092
Std Dev 2042

pull1D
Entries 87
Mean 0.004184
Std Dev 1.004

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 120.9 / 86
p0 −21.52 ± 0.09734
pull
Entries 87
Mean −606.4
Std Dev 639.2

pull1D
Entries 87
Mean 0.007067
Std Dev 1.179

reg_asym_atl2_diff_bpm1X_slope vs run
$\chi^2$ / ndf 8.494 / 86
p0 −575 ± 12.03
−400
−450
−500
−550
−600
−650
−700
−750
−800
pull
Entries 87
Mean −700.9
Std Dev 776.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 87
Mean 0.0003285
Std Dev 0.3125
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 5.193 / 86
p0 −25.01 ± 8.264
150
100
50
0
−50
−100
−150
pull
Entries 87
Mean 114.6
Std Dev 232.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 87
Mean 0.0004611
Std Dev 0.2443
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 8.073 / 86
p0 474.2 ± 11.16
pull
Entries 87
Mean 374.2
Std Dev 266

pull1D
Entries 87
Mean 0.0004521
Std Dev 0.3046

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.6 / 86
p0 177.1 ± 8.683
pull
Entries 87
Mean −588.2
Std Dev 605.1

pull1D
Entries 87
Mean 0.001059
Std Dev 0.2537

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 19.69 / 86
p0 −298.1 ± 0.3992
−290
−295
−300
−305
−310
pull
Entries 87
Mean 902.9
Std Dev 861.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 87
Mean −0.0039
Std Dev 0.4757
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 80.46 / 86
p0 −53.27 ± 3.261
pull
Entries 87
Mean 541.5
Std Dev 516.3

pull1D
Entries 87
Mean 0.007363
Std Dev 0.9617

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 87.24 / 86
p0 5.427 ± 2.244
pull
Entries 87
Mean −609.5
Std Dev 658.4
pull1D
Entries 87
Mean 0.007636
Std Dev 1.001

reg_asym_atr1_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 79.65 / 86
p0 −6.764 ± 3.025
pull
Entries 87
Mean 476.4
Std Dev 452
pull1D
Entries 87
Mean −0.008234
Std Dev 0.9568

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 93.76 / 86
p0 −16.2 ± 2.358
pull
Entries 87
Mean −1210
Std Dev 1257

pull1D
Entries 87
Mean −0.006874
Std Dev 1.038

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 86
p0 −15.55 ± 0.1083
pull
Entries 87
Mean 4341
Std Dev 4285
pull1D
Entries 87
Mean 0.0008979
Std Dev 1.13

reg_asym_atr2_diff_bpm1X_slope vs run
$\chi^2$ / ndf 10.52 / 86
p0 −489.1 ± 10.5
−300
−350
−400
−450
−500
−550
−600
−650
pull
Entries 87
Mean 149.3
Std Dev 114
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 87
Mean 0.004688
Std Dev 0.3477
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 6.254 / 86
p0 −19.6 ± 7.212
pull
Entries 87
Mean −467.5
Std Dev 504.3

pull1D
Entries 87
Mean −0.001937
Std Dev 0.2681

reg_asym_atr2_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 10.05 / 86
p0 563.6 ± 9.74
700
650
600
550
500
450
400
pull
Entries 87
Mean 216.6
Std Dev 181.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 87
Mean −0.004021
Std Dev 0.3398
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 6.874 / 86
p0 152.8 ± 7.578
pull
Entries 87
Mean −1980
Std Dev 2015

pull1D
Entries 87
Mean 0.0008836
Std Dev 0.2811

reg_asym_atr2_diff_bpm12X_slope vs run
$\chi^2$ / ndf 13.57 / 86
p0 −257.7 ± 0.3485
pull
Entries 87
Mean 732.1
Std Dev 692.9
pull1D
Entries 87
Mean −0.002424
Std Dev 0.3949

reg_asym_atl_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 10.32 / 86
p0 −300 ± 6.565
pull
Entries 87
Mean 145.8
Std Dev 104.1

pull1D
Entries 87
Mean 0.008342
Std Dev 0.3444

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.7 / 86
p0 −8.448 ± 4.514
pull
Entries 87
Mean 401.7
Std Dev 332.5
pull1D
Entries 87
Mean −0.002764
Std Dev 0.3508

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.668 / 86
p0 267.8 ± 6.09
pull
Entries 87
Mean 193.9
Std Dev 151.9

pull1D
Entries 87
Mean −0.00705
Std Dev 0.3333

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.27 / 86
p0 80.59 ± 4.741
150
100
50
0
−50
pull
Entries 87
Mean 239.3
Std Dev 167.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 87
Mean 0.0061
Std Dev 0.3599
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 28.35 / 86
p0 −159.8 ± 0.2178
pull
Entries 87
Mean 1603
Std Dev 1563
pull1D
Entries 87
Mean −0.002608
Std Dev 0.5708

reg_asym_atl_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 15.16 / 86
p0 275.7 ± 5.846
pull
Entries 87
Mean 491.7
Std Dev 440.4
pull1D
Entries 87
Mean 0.003324
Std Dev 0.4174

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.14 / 86
p0 16.69 ± 4.02
pull
Entries 87
Mean 242
Std Dev 194

pull1D
Entries 87
Mean −0.005928
Std Dev 0.3413

reg_asym_atl_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 15.05 / 86
p0 −206.9 ± 5.423
pull
Entries 87
Mean 456.3
Std Dev 404.1
pull1D
Entries 87
Mean −0.003694
Std Dev 0.4159

reg_asym_atl_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 10.51 / 86
p0 −96.68 ± 4.222
pull
Entries 87
Mean 445.7
Std Dev 402

pull1D
Entries 87
Mean 0.006759
Std Dev 0.3475

reg_asym_atl_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 21.98 / 86
p0 138.3 ± 0.1939
142
140
138
136
134
pull
Entries 87
Mean 502.3
Std Dev 457.4
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 87
Mean 0.005166
Std Dev 0.5026
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 15.27 / 86
p0 −271.3 ± 5.727
pull
Entries 87
Mean 269.4
Std Dev 240.3
pull1D
Entries 87
Mean 0.006924
Std Dev 0.4189

reg_asym_atr_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 11.34 / 86
p0 −6.95 ± 3.934
pull
Entries 87
Mean 489
Std Dev 415.3

pull1D
Entries 87
Mean −0.0009902
Std Dev 0.3611

reg_asym_atr_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 14.94 / 86
p0 278.5 ± 5.312
pull
Entries 87
Mean 299.8
Std Dev 270.5

pull1D
Entries 87
Mean −0.00673
Std Dev 0.4144

reg_asym_atr_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 12.53 / 86
p0 67.99 ± 4.134
pull
Entries 87
Mean 392.9
Std Dev 315.5

pull1D
Entries 87
Mean 0.002026
Std Dev 0.3795

reg_asym_atr_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 27.09 / 86
p0 −136.6 ± 0.1901
pull
Entries 87
Mean 905.2
Std Dev 897.3

pull1D
Entries 87
Mean −0.0006248
Std Dev 0.558

reg_asym_atr_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 18.59 / 86
p0 217.9 ± 5.268
300
250
200
150
100
pull
Entries 87
Mean −250.8
Std Dev 269.5
1
0.5
0
−0.5
−1

pull1D
Entries 87
Mean −0.002424
Std Dev 0.4623
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 15.35 / 86
p0 12.67 ± 3.619
pull
Entries 87
Mean −982.9
Std Dev 1027

pull1D
Entries 87
Mean 0.002386
Std Dev 0.42

reg_asym_atr_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 17.85 / 86
p0 −285.1 ± 4.886
pull
Entries 87
Mean −345.4
Std Dev 356.1
pull1D
Entries 87
Mean 0.001256
Std Dev 0.4529

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.43 / 86
p0 −84.78 ± 3.802
pull
Entries 87
Mean 6272
Std Dev 6230
pull1D
Entries 87
Mean 0.0006954
Std Dev 0.4345

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 15.91 / 86
p0 121.1 ± 0.1749
pull
Entries 87
Mean 557.4
Std Dev 511
pull1D
Entries 87
Mean 0.005329
Std Dev 0.4276

reg_asym_at1_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 89.05 / 86
p0 −38.38 ± 2.225
pull
Entries 87
Mean 490
Std Dev 453.2

pull1D
Entries 87
Mean 0.01368
Std Dev 1.012

reg_asym_at1_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 90.14 / 86
p0 6.265 ± 1.533
pull
Entries 87
Mean −1191
Std Dev 1242

pull1D
Entries 87
Mean 0.00561
Std Dev 1.018

reg_asym_at1_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 89.03 / 86
p0 26.61 ± 2.065
pull
Entries 87
Mean 587.2
Std Dev 550.1

pull1D
Entries 87
Mean −0.01178
Std Dev 1.012

reg_asym_at1_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 103.4 / 86
p0 −15.43 ± 1.61
pull
Entries 87
Mean −3531
Std Dev 3580
pull1D
Entries 87
Mean −0.003359
Std Dev 1.09

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 140.9 / 86
p0 −18.53 ± 0.07386
pull
Entries 87
Mean 12.89
Std Dev 144.5
pull1D
Entries 87
Mean 0.005994
Std Dev 1.272

reg_asym_at1_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 75.53 / 86
p0 14.53 ± 2.171
pull
Entries 87
Mean 146.9
Std Dev 93.07

pull1D
Entries 87
Mean 0.006845
Std Dev 0.9317

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.58 / 86
p0 0.7619 ± 1.496
pull
Entries 87
Mean −78.7
Std Dev 87.95
pull1D
Entries 87
Mean −0.003755
Std Dev 0.9504

reg_asym_at1_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 74.1 / 86
p0 33.7 ± 2.015
pull
Entries 87
Mean 368.9
Std Dev 260.9

pull1D
Entries 87
Mean −0.003591
Std Dev 0.9229

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.75 / 86
p0 0.8046 ± 1.571
pull
Entries 87
Mean −79.66
Std Dev 97.68

pull1D
Entries 87
Mean 0.005786
Std Dev 0.9574

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 87.56 / 86
p0 −2.987 ± 0.07208
pull
Entries 87
Mean −709.7
Std Dev 753.6
pull1D
Entries 87
Mean 0.007955
Std Dev 1.003

reg_asym_at2_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 7.084 / 86
p0 −532 ± 11.03
pull
Entries 87
Mean 90
Std Dev 88.8
pull1D
Entries 87
Mean 0.002237
Std Dev 0.2853

reg_asym_at2_avg_diff_bpm4aY_slope vs run
$\chi^2$ / ndf 3.787 / 86
p0 −22.28 ± 7.578
pull
Entries 87
Mean −514.9
Std Dev 538.9
pull1D
Entries 87
Mean −0.0008763
Std Dev 0.2086

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.654 / 86
p0 518.8 ± 10.23
pull
Entries 87
Mean 209
Std Dev 193.7

pull1D
Entries 87
Mean −0.001517
Std Dev 0.2765

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.202 / 86
p0 164.9 ± 7.962
pull
Entries 87
Mean −999.5
Std Dev 1029

pull1D
Entries 87
Mean 0.001166
Std Dev 0.2198

reg_asym_at2_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 13.89 / 86
p0 −277.9 ± 0.3662
pull
Entries 87
Mean 909.6
Std Dev 868.8

pull1D
Entries 87
Mean −0.003026
Std Dev 0.3995

reg_asym_at2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 57.62 / 86
p0 43.33 ± 2.381
pull
Entries 87
Mean 2.149e+04
Std Dev 2.145e+04

pull1D
Entries 87
Mean 8.52e−05
Std Dev 0.8138

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.78 / 86
p0 2.726 ± 1.637
pull
Entries 87
Mean −325.1
Std Dev 375.9
pull1D
Entries 87
Mean −0.006067
Std Dev 0.7333

reg_asym_at2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 57.16 / 86
p0 44.33 ± 2.209
pull
Entries 87
Mean 7179
Std Dev 7133

pull1D
Entries 87
Mean −0.0002849
Std Dev 0.8105

reg_asym_at2_dd_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 48.78 / 86
p0 −12.2 ± 1.721
pull
Entries 87
Mean 2.451e+05
Std Dev 2.45e+05

pull1D
Entries 87
Mean −9.671e−06
Std Dev 0.7488

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 82.65 / 86
p0 20.21 ± 0.0791
pull
Entries 87
Mean −1.357e+04
Std Dev 1.361e+04
pull1D
Entries 87
Mean −0.0003602
Std Dev 0.9747

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.03 / 86
p0 −257 ± 5.845
−150
−200
−250
−300
−350
pull
Entries 87
Mean 176.5
Std Dev 131.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 87
Mean 0.01256
Std Dev 0.4013
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.72 / 86
p0 −5.855 ± 4.018
pull
Entries 87
Mean 105.4
Std Dev 80.39
pull1D
Entries 87
Mean −0.004063
Std Dev 0.3824

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 13.45 / 86
p0 312.4 ± 5.422
400
350
300
250
200
pull
Entries 87
Mean 222.4
Std Dev 178.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 87
Mean −0.0111
Std Dev 0.3931
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.81 / 86
p0 68.52 ± 4.22
150
100
50
0
−50
pull
Entries 87
Mean 120
Std Dev 74.01
1
0.5
0
−0.5
−1

pull1D
Entries 87
Mean 0.005501
Std Dev 0.3837
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 22.22 / 86
p0 −139.6 ± 0.1939
−136
−138
−140
−142
−144
pull
Entries 87
Mean 1074
Std Dev 1037
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 87
Mean −0.002521
Std Dev 0.5054
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 17.75 / 86
p0 232.7 ± 5.079
pull
Entries 87
Mean 2828
Std Dev 2775
pull1D
Entries 87
Mean 0.0003281
Std Dev 0.4517

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.66 / 86
p0 13.94 ± 3.492
pull
Entries 87
Mean 644.7
Std Dev 595.8

pull1D
Entries 87
Mean −0.003907
Std Dev 0.3815

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 17.53 / 86
p0 −251.5 ± 4.712
−150
−200
−250
−300
−350
pull
Entries 87
Mean 1368
Std Dev 1311
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 87
Mean −0.0006483
Std Dev 0.4488
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.38 / 86
p0 −84.45 ± 3.668
pull
Entries 87
Mean 595.6
Std Dev 551.2

pull1D
Entries 87
Mean 0.007606
Std Dev 0.4064

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 19.99 / 86
p0 118.1 ± 0.1685
124
122
120
118
116
114
pull
Entries 87
Mean 112.6
Std Dev 53.18
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 87
Mean 0.006616
Std Dev 0.4792
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 13 / 86
p0 −314.2 ± 6.503
pull
Entries 87
Mean 307
Std Dev 294.4

pull1D
Entries 87
Mean 0.00283
Std Dev 0.3866

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.378 / 86
p0 −9.682 ± 4.468
pull
Entries 87
Mean −794.9
Std Dev 852.4

pull1D
Entries 87
Mean 0.001392
Std Dev 0.3283

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 12.47 / 86
p0 233.8 ± 6.032
pull
Entries 87
Mean 371.6
Std Dev 357.8
pull1D
Entries 87
Mean −0.002478
Std Dev 0.3786

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.001 / 86
p0 80.18 ± 4.695
pull
Entries 87
Mean 820.2
Std Dev 760.8

pull1D
Entries 87
Mean 0.001877
Std Dev 0.3216

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 31.29 / 86
p0 −156.8 ± 0.2158
−152
−154
−156
−158
−160
−162
pull
Entries 87
Mean 983
Std Dev 947.2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 87
Mean −0.002377
Std Dev 0.5997
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 14.13 / 86
p0 260.9 ± 5.956
pull
Entries 87
Mean 948.7
Std Dev 913.3
pull1D
Entries 87
Mean 0.001454
Std Dev 0.403

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.14 / 86
p0 15.36 ± 4.093
pull
Entries 87
Mean −6618
Std Dev 6658

pull1D
Entries 87
Mean 0.0001993
Std Dev 0.3735

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 13.74 / 86
p0 −240.5 ± 5.525
−150
−200
−250
−300
−350
pull
Entries 87
Mean 493.1
Std Dev 458.1
1
0.5
0
−0.5
−1

pull1D
Entries 87
Mean −0.002665
Std Dev 0.3974
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.41 / 86
p0 −96.96 ± 4.3
pull
Entries 87
Mean 1.201e+04
Std Dev 1.197e+04

pull1D
Entries 87
Mean 0.0002448
Std Dev 0.4069

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.18 / 86
p0 141.3 ± 0.1977
146
144
142
140
138
pull
Entries 87
Mean 773.9
Std Dev 729
1
0.5
0
−0.5
−1
pull1D
Entries 87
Mean 0.005934
Std Dev 0.4695
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.3 / 86
p0 246.8 ± 5.307
350
300
250
200
150
pull
Entries 87
Mean 2106
Std Dev 2064
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 87
Mean 0.0005696
Std Dev 0.3604
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ2 / ndf 7.706 / 86
p0 14.81 ± 3.647
pull
Entries 87
Mean 528.3
Std Dev 482.2

pull1D
Entries 87
Mean −0.003822
Std Dev 0.2976

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 11.11 / 86
p0 −246 ± 4.922
pull
Entries 87
Mean 730.7
Std Dev 687.7

pull1D
Entries 87
Mean −0.001573
Std Dev 0.3573

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 9.064 / 86
p0 −90.86 ± 3.831
pull
Entries 87
Mean 694.2
Std Dev 651.5

pull1D
Entries 87
Mean 0.005583
Std Dev 0.3227

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
$\chi^2$ / ndf 13.24 / 86
p0 129.7 ± 0.1761
pull
Entries 87
Mean 598.1
Std Dev 552.7
pull1D
Entries 87
Mean 0.004796
Std Dev 0.3901

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 59.59 / 86
p0 1.789 ± 1.142
pull
Entries 87
Mean −258.8
Std Dev 303.5
pull1D
Entries 87
Mean −0.006301
Std Dev 0.8276

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.45 / 86
p0 38.95 ± 1.539
pull
Entries 87
Mean 1674
Std Dev 1609

pull1D
Entries 87
Mean −0.001371
Std Dev 0.887

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.8 / 86
p0 −5.746 ± 1.2
pull
Entries 87
Mean −554.7
Std Dev 596.3

pull1D
Entries 87
Mean 0.003625
Std Dev 0.7864

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 78.65 / 86
p0 8.615 ± 0.05508
pull
Entries 87
Mean −46.04
Std Dev 102.1

pull1D
Entries 87
Mean 0.003903
Std Dev 0.9508

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 9.051 / 86
p0 −285.5 ± 5.953
−200
−250
−300
−350
−400
pull
Entries 87
Mean 215.3
Std Dev 181.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 87
Mean 0.007153
Std Dev 0.3225
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 7.614 / 86
p0 74.16 ± 4.297
pull
Entries 87
Mean 214.8
Std Dev 138.7

pull1D
Entries 87
Mean 0.00577
Std Dev 0.2958

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 61.36 / 86
p0 −14.47 ± 1.569
pull
Entries 87
Mean −80.18
Std Dev 65.46

pull1D
Entries 87
Mean 0.007499
Std Dev 0.8398

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.96 / 86
p0 −0.9184 ± 1.081
pull
Entries 87
Mean −843.1
Std Dev 903.3
pull1D
Entries 87
Mean 0.001602
Std Dev 0.8641

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 74.18 / 86
p0 6.448 ± 1.136
pull
Entries 87
Mean 343.9
Std Dev 284.6

pull1D
Entries 87
Mean 0.004468
Std Dev 0.9234

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 5897 / 86
p0 −23.1 ± 0.2174
pull
Entries 87
Mean −0.9325
Std Dev 44.53
pull1D
Entries 87
Mean −3.322
Std Dev 5.598

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 189.7 / 86
p0 2.119 ± 0.1471
pull
Entries 87
Mean 3.033
Std Dev 39.2

pull1D
Entries 87
Mean 0.3831
Std Dev 1.426

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 183.1 / 86
p0 −3.029 ± 0.1563
pull
Entries 87
Mean −2.781
Std Dev 43.81
pull1D
Entries 87
Mean −0.3142
Std Dev 1.416

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 432.7 / 86
p0 0.08375 ± 0.007283
pull
Entries 87
Mean −8.874
Std Dev 53.56
pull1D
Entries 87
Mean 0.6822
Std Dev 2.123

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5878 / 86
p0 −22.91 ± 0.216
pull
Entries 87
Mean −1.014
Std Dev 44.62
pull1D
Entries 87
Mean −3.1
Std Dev 5.744

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 188.5 / 86
p0 2.089 ± 0.1462
pull
Entries 87
Mean 3.326
Std Dev 38.82

pull1D
Entries 87
Mean 0.3779
Std Dev 1.423

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 5492 / 86
p0 20.47 ± 0.2004
pull
Entries 87
Mean −1.025
Std Dev 44.64

pull1D
Entries 87
Mean 3.038
Std Dev 5.639

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 181.8 / 86
p0 −2.995 ± 0.1553
pull
Entries 87
Mean −2.462
Std Dev 43.29
pull1D
Entries 87
Mean −0.3088
Std Dev 1.412

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 443.4 / 86
p0 0.08183 ± 0.007236
pull
Entries 87
Mean −9.051
Std Dev 53.87
pull1D
Entries 87
Mean 0.6903
Std Dev 2.149

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 5915 / 86
p0 −22.99 ± 0.2168
pull
Entries 87
Mean −0.8404
Std Dev 44.42
pull1D
Entries 87
Mean −3.318
Std Dev 5.592

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 185.7 / 86
p0 2.043 ± 0.1467
pull
Entries 87
Mean 3.38
Std Dev 38.63

pull1D
Entries 87
Mean 0.3771
Std Dev 1.412

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 5527 / 86
p0 20.5 ± 0.2012
pull
Entries 87
Mean −0.8538
Std Dev 44.45

pull1D
Entries 87
Mean 3.042
Std Dev 5.652

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 179.9 / 86
p0 −2.959 ± 0.1559
pull
Entries 87
Mean −2.175
Std Dev 42.83

pull1D
Entries 87
Mean −0.3079
Std Dev 1.405

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 449.8 / 86
p0 0.0817 ± 0.007265
pull
Entries 87
Mean −9.374
Std Dev 54.37
pull1D
Entries 87
Mean 0.6943
Std Dev 2.165

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
$\chi^2$ / ndf 5740 / 86
p0 −23.83 ± 0.2235
pull
Entries 87
Mean −2.417
Std Dev 46.05
pull1D
Entries 87
Mean −3.474
Std Dev 5.473

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 187.5 / 86
p0 2.206 ± 0.1513
pull
Entries 87
Mean 0.2966
Std Dev 42.52

pull1D
Entries 87
Mean 0.3635
Std Dev 1.422

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 5366 / 86
p0 21.25 ± 0.2074
pull
Entries 87
Mean −2.429
Std Dev 46.08

pull1D
Entries 87
Mean 2.753
Std Dev 5.713

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 184 / 86
p0 −3.134 ± 0.1607
pull
Entries 87
Mean −6.946
Std Dev 48.64
pull1D
Entries 87
Mean −0.2963
Std Dev 1.424

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 450.3 / 86
p0 0.08977 ± 0.007486
pull
Entries 87
Mean −7.239
Std Dev 51.55

pull1D
Entries 87
Mean 0.6549
Std Dev 2.179

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 5719 / 86
p0 −23.96 ± 0.226
pull
Entries 87
Mean −3.119
Std Dev 47.06

pull1D
Entries 87
Mean −3.238
Std Dev 5.48

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 186.5 / 86
p0 2.264 ± 0.1531
pull
Entries 87
Mean 0.7096
Std Dev 42.1

pull1D
Entries 87
Mean 0.3649
Std Dev 1.418

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 5353 / 86
p0 21.41 ± 0.2098
pull
Entries 87
Mean −3.133
Std Dev 47.09

pull1D
Entries 87
Mean 2.894
Std Dev 5.559

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 182 / 86
p0 −3.198 ± 0.1626
pull
Entries 87
Mean −6.235
Std Dev 48.24
pull1D
Entries 87
Mean −0.2935
Std Dev 1.416

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 470.9 / 86
p0 0.08575 ± 0.00757
pull
Entries 87
Mean −9.921
Std Dev 53.73
pull1D
Entries 87
Mean 0.6511
Std Dev 2.234