dit_asym_us_avg_mean vs run
χ² / ndf 74.51 / 84
p0 2477 ± 895.3
pull
Entries 85
Mean −103.1
Std Dev 174.4
pull1D
Entries 85
Mean −0.009945
Std Dev 0.9362

dit_asym_us_avg_rms vs run
χ² / ndf 87.73 / 84
p0 799.4 ± 0.6331
820
815
810
805
800
795
790
785
780

asym_us_avg_correction_mean vs run
χ^2 / ndf 43.58 / 84
p0 −1360 ± 1714
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −259.8
Std Dev 299.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean −0.004794
Std Dev 0.716
24
22
20
18
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
χ^2 / ndf 1.28e+04 / 84
p0 1524 ± 1.212
1900
1800
1700
1600
1500
1400
1300

asym_us_avg_mean vs run
χ² / ndf 49.61 / 84
p0 3760 ± 1906
pull
Entries 85
Mean −266.6
Std Dev 255.7
pull1D
Entries 85
Mean 0.001757
Std Dev 0.764

asym_us_avg_rms vs run
χ^2 / ndf 8963 / 84
p0 1697 ± 1.347
2100
2000
1900
1800
1700
1600
1500

dit_asym_us_dd_mean vs run
χ² / ndf 55.92 / 84
p0 −189.4 ± 875.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −230.2
Std Dev 297.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.005266
Std Dev 0.8111
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_dd_rms vs run
χ^2 / ndf 83.64 / 84
p0 781.5 ± 0.6188
800
795
790
785
780
775
770
765
760

asym_us_dd_correction_mean vs run
χ² / ndf 52.76 / 84
p0 −3845 ± 2102
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −138.5
Std Dev 172.2
pull1D
Entries 85
Mean −0.006543
Std Dev 0.7878

asym_us_dd_correction_rms vs run

asym_us_dd_mean vs run
χ² / ndf 78.74 / 84
p0 1454 ± 1102
pull
Entries 85
Mean 218.2
Std Dev 219.9
pull1D
Entries 85
Mean −0.004836
Std Dev 0.9625

asym_us_dd_rms vs run
χ² / ndf 527.1 / 84
p0 983.6 ± 0.779
1060
1040
1020
1000
980
960
940

dit_asym_usl_mean vs run
χ² / ndf 71.73 / 84
p0 2275 ± 1257
pull
Entries 85
Mean −155.8
Std Dev 225.3
pull1D
Entries 85
Mean −0.01023
Std Dev 0.9185

dit_asym_usl_rms vs run

asym_usl_correction_mean vs run
χ² / ndf 55.06 / 84
p0 −2917 ± 1912
pull
Entries 85
Mean −345.3
Std Dev 383.4
pull1D
Entries 85
Mean −0.006107
Std Dev 0.8048

asym_usl_correction_rms vs run
χ^2 / ndf 9725 / 84
p0 1702 ± 1.352
2100
2000
1900
1800
1700
1600
1500
1400

asym_usl_mean vs run
χ² / ndf 59.05 / 84
p0 5247 ± 2263
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 508.3
Std Dev 516.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.001669
Std Dev 0.8335
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run

dit_asym_usr_mean vs run
χ² / ndf 59.12 / 84
p0 2675 ± 1246
pull
Entries 85
Mean 39.56
Std Dev 60.84
pull1D
Entries 85
Mean −0.003766
Std Dev 0.834

dit_asym_usr_rms vs run
χ² / ndf 100.6 / 84
p0 1113 ± 0.8814
1140
1130
1120
1110
1100
1090
1080
1070

asym_usr_correction_mean vs run
χ² / ndf 44.56 / 84
p0 197.5 ± 1778
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −52.33
Std Dev 101.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.003115
Std Dev 0.724
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usr_correction_rms vs run
χ² / ndf 1.098e+04 / 84
p0 1582 ± 1.257
2000
1900
1800
1700
1600
1500
1400
1300

asym_usr_mean vs run
χ² / ndf 52.66 / 84
p0 2266 ± 2145
pull
Entries 85
Mean 7.233
Std Dev 16.2
pull1D
Entries 85
Mean 0.005399
Std Dev 0.7871

asym_usr_rms vs run
χ^2 / ndf 5524 / 84
p0 1912 ± 1.517
2200
2100
2000
1900
1800
1700

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 91.17 / 84
p0 6631 ± 2065
pull
Entries 85
Mean −48.19
Std Dev 101.8

pull1D
Entries 85
Mean −0.01228
Std Dev 1.036

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.625e+04 / 84
p0 1835 ± 1.46
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at1_avg_correction_mean vs run
χ^2 / ndf 44.81 / 84
p0 −761.7 ± 839.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −218.6
Std Dev 258.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean −0.007028
Std Dev 0.726
25
20
15
10
5
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
χ^2 / ndf 91.92 / 84
p0 7316 ± 2224
pull
Entries 85
Mean −17.24
Std Dev 83.88

pull1D
Entries 85
Mean −0.008356
Std Dev 1.04

asym_at1_avg_rms vs run
χ2 / ndf 1.564e+04 / 84
p0 1976 ± 1.573
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 90.55 / 84
p0 −1521 ± 2058
50
0
−50
−100
−150
pull
Entries 85
Mean 99.21
Std Dev 54.56
3
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.02022
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_dd_rms vs run
χ² / ndf 1.645e+04 / 84
p0 1828 ± 1.455
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at1_dd_correction_mean vs run
χ² / ndf 89.67 / 84
p0 1210 ± 525.5
pull
Entries 85
Mean 519.8
Std Dev 484.7
pull1D
Entries 85
Mean −0.005534
Std Dev 1.027

asym_at1_dd_correction_rms vs run
χ2 / ndf 3465 / 84
p0 468.7 ± 0.3716
560
540
520
500
480
460
440

asym_at1_dd_mean vs run
×10^3
χ² / ndf 90.36 / 84
p0 −2803 ± 2127
50
0
−50
−100
−150
pull
Entries 85
Mean 60.07
Std Dev 24.21
3
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.01735
Std Dev 1.031
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 70.4 / 84
p0 −1433 ± 2476
pull
Entries 85
Mean 543.9
Std Dev 489.6

pull1D
Entries 85
Mean 0.004624
Std Dev 0.9101

dit_asym_at2_avg_rms vs run
χ^2 / ndf 7514 / 84
p0 2206 ± 1.751
5500
5000
4500
4000
3500
3000
2500
2000

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 43.4 / 84
p0 −9237 ± 1.206e+04
pull
Entries 85
Mean −259.1
Std Dev 298.5

pull1D
Entries 85
Mean −0.004653
Std Dev 0.7146

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 45.87 / 84
p0 7466 ± 1.209e+04
pull
Entries 85
Mean −106.8
Std Dev 136.9

pull1D
Entries 85
Mean 0.005991
Std Dev 0.7346

asym_at2_avg_rms vs run
χ2 / ndf 1.259e+04 / 84
p0 1.075e+04 ± 8.547
13000
12000
11000
10000
9000

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 63.78 / 84
p0 −1432 ± 2046
pull
Entries 85
Mean −213.3
Std Dev 269.3

pull1D
Entries 85
Mean −0.008635
Std Dev 0.8662

dit_asym_at2_dd_rms vs run
χ^2 / ndf 9144 / 84
p0 1821 ± 1.446
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 67.51 / 84
p0 251.3 ± 4267
pull
Entries 85
Mean −72.45
Std Dev 141.8

pull1D
Entries 85
Mean −0.009913
Std Dev 0.8911

asym_at2_dd_correction_rms vs run
χ^2 / ndf 8815 / 84
p0 3799 ± 3.017
11000
10000
9000
8000
7000
6000
5000
4000
3000

asym_at2_dd_mean vs run
×10^3
χ² / ndf 72.29 / 84
p0 −1678 ± 2389
pull
Entries 85
Mean 26.68
Std Dev 81.62

pull1D
Entries 85
Mean 0.01082
Std Dev 0.9221

asym_at2_dd_rms vs run

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 63.79 / 84
p0 694.7 ± 2191
pull
Entries 85
Mean −184.4
Std Dev 239.5

pull1D
Entries 85
Mean −0.01211
Std Dev 0.8662

dit_asym_atl_avg_rms vs run
χ2 / ndf 2.4e+04 / 84
p0 1942 ± 1.549
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 44.05 / 84
p0 −5827 ± 6870
pull
Entries 85
Mean −263.7
Std Dev 303

pull1D
Entries 85
Mean −0.004979
Std Dev 0.7198

asym_atl_avg_correction_rms vs run
χ² / ndf 1.27e+04 / 84
p0 6110 ± 4.858
7500
7000
6500
6000
5500
5000

asym_atl_avg_mean vs run
×10^3
χ² / ndf 47.47 / 84
p0 5906 ± 7111
pull
Entries 85
Mean −206.6
Std Dev 195.5

pull1D
Entries 85
Mean 0.001343
Std Dev 0.7473

asym_atl_avg_rms vs run

dit_asym_atl_dd_mean vs run
χ^2 / ndf 77.08 / 84
p0 4206 ± 2131
×10^3
pull
Entries 85
Mean 204.2
Std Dev 153.4

pull1D
Entries 85
Mean −0.0176
Std Dev 0.9521

dit_asym_atl_dd_rms vs run
χ² / ndf 2.473e+04 / 84
p0 1888 ± 1.507
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 45.94 / 84
p0 6160 ± 5999
pull
Entries 85
Mean −289.4
Std Dev 328.2

pull1D
Entries 85
Mean 0.005175
Std Dev 0.7351

asym_atl_dd_correction_rms vs run
χ^2 / ndf 1.245e+04 / 84
p0 5335 ± 4.242
6500
6000
5500
5000
4500

asym_atl_dd_mean vs run
×10^3
χ² / ndf 52.04 / 84
p0 −2383 ± 6303
pull
Entries 85
Mean −51.53
Std Dev 74.38

pull1D
Entries 85
Mean −0.009432
Std Dev 0.7824

asym_atl_dd_rms vs run
χ² / ndf 1.436e+04 / 84
p0 5603 ± 4.457
8500
8000
7500
7000
6500
6000
5500
5000
4500

dit_asym_atr_avg_mean vs run
χ² / ndf 94.03 / 84
p0 4523 ± 2197
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 184.2
Std Dev 129.3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.005734
Std Dev 1.052
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_avg_rms vs run
χ² / ndf 78.49 / 84
p0 1962 ± 1.553
2020
2000
1980
1960
1940
1920

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 42.86 / 84
p0 −4172 ± 6021
pull
Entries 85
Mean −245.5
Std Dev 285.2

pull1D
Entries 85
Mean −0.004602
Std Dev 0.7101

asym_atr_avg_correction_rms vs run

asym_atr_avg_mean vs run
×10^3
χ² / ndf 57.34 / 84
p0 8529 ± 6301
pull
Entries 85
Mean −83.39
Std Dev 118

pull1D
Entries 85
Mean 0.007627
Std Dev 0.8213

asym_atr_avg_rms vs run
χ^2 / ndf 1.087e+04 / 84
p0 5607 ± 4.456
7000
6500
6000
5500
5000

dit_asym_atr_dd_mean vs run
χ² / ndf 79.35 / 84
p0 4481 ± 2157
pull
Entries 85
Mean 13.56
Std Dev 55.7
pull1D
Entries 85
Mean −0.008165
Std Dev 0.9661

dit_asym_atr_dd_rms vs run
χ² / ndf 85.8 / 84
p0 1926 ± 1.526
1980
1960
1940
1920
1900
1880

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 42.32 / 84
p0 2309 ± 5334
pull
Entries 85
Mean −214.6
Std Dev 255.3

pull1D
Entries 85
Mean 0.003728
Std Dev 0.7056

asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.283e+04 / 84
p0 4744 ± 3.772
6000
5500
5000
4500
4000

asym_atr_dd_mean vs run
χ^2 / ndf 40.91 / 84
p0 2248 ± 5671
×10^3
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −98.83
Std Dev 143.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean −0.007228
Std Dev 0.6937
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_dd_rms vs run
χ2 / ndf 9877 / 84
p0 5048 ± 4.01
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 78.4 / 84
p0 2358 ± 1649
pull
Entries 85
Mean −1174
Std Dev 1227
pull1D
Entries 85
Mean −0.00228
Std Dev 0.9604

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.463e+04 / 84
p0 1466 ± 1.166
3000
2800
2600
2400
2200
2000
1800
1600
1400

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 43.43 / 84
p0 −5000 ± 6441
pull
Entries 85
Mean −255.7
Std Dev 295.2

pull1D
Entries 85
Mean −0.004802
Std Dev 0.7148

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 1.278e+04 / 84
p0 5729 ± 4.555
7000
6500
6000
5500
5000

asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 50.23 / 84
p0 7080 ± 6532
×10^3
pull
Entries 85
Mean −74.6
Std Dev 94.64

pull1D
Entries 85
Mean 0.005307
Std Dev 0.7687

asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.287e+04 / 84
p0 5809 ± 4.619
7000
6500
6000
5500
5000

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 78.9 / 84
p0 −1818 ± 1467
pull
Entries 85
Mean −23.66
Std Dev 82.64
pull1D
Entries 85
Mean −0.01716
Std Dev 0.9633

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.739e+04 / 84
p0 1303 ± 1.037
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 61.14 / 84
p0 −839 ± 483
pull
Entries 85
Mean −402.3
Std Dev 440.3
pull1D
Entries 85
Mean −0.005896
Std Dev 0.8481

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 8080 / 84
p0 430.2 ± 0.3416
520
500
480
460
440
420
400
380
360

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.22 / 84
p0 −970.9 ± 1542
pull
Entries 85
Mean 22.91
Std Dev 59.19
pull1D
Entries 85
Mean −0.01524
Std Dev 0.9343

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.86 / 84
p0 4195 ± 1595
pull
Entries 85
Mean 115.8
Std Dev 61.36
pull1D
Entries 85
Mean −0.01659
Std Dev 0.9692

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.541e+04 / 84
p0 1417 ± 1.128
3000
2800
2600
2400
2200
2000
1800
1600
1400

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 43.38 / 84
p0 4237 ± 5614
pull
Entries 85
Mean −263.1
Std Dev 302.5

pull1D
Entries 85
Mean 0.004482
Std Dev 0.7144

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.297e+04 / 84
p0 4993 ± 3.97
6500
6000
5500
5000
4500
4000

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 43.47 / 84
p0 −157.7 ± 5751
pull
Entries 85
Mean −86.93
Std Dev 121.8

pull1D
Entries 85
Mean −0.008348
Std Dev 0.7151

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 77.47 / 84
p0 −66.39 ± 1454
pull
Entries 85
Mean 296.8
Std Dev 244.2
pull1D
Entries 85
Mean −0.009308
Std Dev 0.9546

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 89.72 / 84
p0 2077 ± 825.8
pull
Entries 85
Mean 2211
Std Dev 2175
pull1D
Entries 85
Mean −0.001511
Std Dev 1.027

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2799 / 84
p0 736.7 ± 0.5839
840
820
800
780
760
740
720
700
680
660

asym_atl_dd_atr_dd_dd_mean vs run
χ^2 / ndf 87.41 / 84
p0 −2278 ± 1674
×10^3
pull
Entries 85
Mean 91.92
Std Dev 100.4

pull1D
Entries 85
Mean −0.004807
Std Dev 1.014

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1.461e+04 / 84
p0 1488 ± 1.183
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 74.29 / 84
p0 5341 ± 2728
pull
Entries 85
Mean 58.33
Std Dev 35.25

pull1D
Entries 85
Mean −0.02115
Std Dev 0.9346

dit_asym_atl1_rms vs run
χ^2 / ndf 2.18e+04 / 84
p0 2420 ± 1.929
10000
8000
6000
4000
2000

asym_atl1_correction_mean vs run
χ² / ndf 46.8 / 84
p0 349.1 ± 1004
pull
Entries 85
Mean −4.542
Std Dev 67.65
pull1D
Entries 85
Mean −0.004213
Std Dev 0.742

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
×10^3
χ² / ndf 71.85 / 84
p0 4654 ± 2905
pull
Entries 85
Mean 51.36
Std Dev 33.91

pull1D
Entries 85
Mean −0.01481
Std Dev 0.9193

asym_atl1_rms vs run
χ^2 / ndf 2.127e+04 / 84
p0 2576 ± 2.054
10000
8000
6000
4000
2000

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 67.54 / 84
p0 −2775 ± 3308
pull
Entries 85
Mean −4679
Std Dev 4734

pull1D
Entries 85
Mean −0.0006631
Std Dev 0.8914

dit_asym_atl2_rms vs run
χ^2 / ndf 1.086e+04 / 84
p0 2944 ± 2.339
11000
10000
9000
8000
7000
6000
5000
4000
3000

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 44.85 / 84
p0 −1.199e+04 ± 1.286e+04
pull
Entries 85
Mean −275.8
Std Dev 314.9

pull1D
Entries 85
Mean −0.005075
Std Dev 0.7264

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 48.37 / 84
p0 9086 ± 1.307e+04
pull
Entries 85
Mean −222.2
Std Dev 241.6

pull1D
Entries 85
Mean 0.002799
Std Dev 0.7544

asym_atl2_rms vs run
χ2 / ndf 1.264e+04 / 84
p0 1.162e+04 ± 9.242
15000
14000
13000
12000
11000
10000

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 107 / 84
p0 8987 ± 3062
100
50
0
−50
−100
pull
Entries 85
Mean −579.8
Std Dev 639.7
3
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.001246
Std Dev 1.122
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr1_rms vs run
χ² / ndf 85.46 / 84
p0 2734 ± 2.165
2800
2780
2760
2740
2720
2700
2680
2660

asym_atr1_correction_mean vs run
χ² / ndf 68.23 / 84
p0 −1923 ± 979.7
pull
Entries 85
Mean −482.9
Std Dev 520.4
pull1D
Entries 85
Mean −0.005764
Std Dev 0.8959

asym_atr1_correction_rms vs run

asym_atr1_mean vs run
×10^3
χ² / ndf 110.4 / 84
p0 1.097e+04 ± 3213
pull
Entries 85
Mean 949.5
Std Dev 983.8

pull1D
Entries 85
Mean −0.0002519
Std Dev 1.14

asym_atr1_rms vs run
χ² / ndf 160.6 / 84
p0 2869 ± 2.272
2950
2900
2850
2800
2750

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 66.52 / 84
p0 64.93 ± 3096
100
50
0
−50
−100
pull
Entries 85
Mean 85.97
Std Dev 42.29
2
1
0
−1
−2

pull1D
Entries 85
Mean 0.009345
Std Dev 0.8846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr2_rms vs run
χ² / ndf 112.6 / 84
p0 2764 ± 2.189
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 42.44 / 84
p0 −6485 ± 1.133e+04
pull
Entries 85
Mean −233.9
Std Dev 274

pull1D
Entries 85
Mean −0.004177
Std Dev 0.7066

asym_atr2_correction_rms vs run

asym_atr2_mean vs run
×10^3
χ² / ndf 45.24 / 84
p0 6312 ± 1.154e+04
pull
Entries 85
Mean −94.82
Std Dev 134.7

pull1D
Entries 85
Mean 0.007521
Std Dev 0.7295

asym_atr2_rms vs run
χ^2 / ndf 1.189e+04 / 84
p0 1.027e+04 ± 8.16
13000
12500
12000
11500
11000
10500
10000
9500
9000
8500

dit_asym_sam1_mean vs run
χ² / ndf 114.1 / 84
p0 2.222 ± 88.8
pull
Entries 85
Mean 756.7
Std Dev 698.8

pull1D
Entries 85
Mean −0.003685
Std Dev 1.159

dit_asym_sam1_rms vs run

asym_sam1_correction_mean vs run
χ² / ndf 68.29 / 84
p0 160.9 ± 372
pull
Entries 85
Mean 209.3
Std Dev 196.5
pull1D
Entries 85
Mean −0.001269
Std Dev 0.8964

asym_sam1_correction_rms vs run
χ² / ndf 2481 / 84
p0 331.9 ± 0.263
370
360
350
340
330
320
310
300

asym_sam1_mean vs run
χ² / ndf 68.59 / 84
p0 −164.1 ± 371.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −306.8
Std Dev 388.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.001147
Std Dev 0.8983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run
χ^2 / ndf 2599 / 84
p0 331.7 ± 0.2629
370
360
350
340
330
320
310
300

dit_asym_sam2_mean vs run
χ² / ndf 104.4 / 84
p0 352 ± 351.4
pull
Entries 85
Mean −1053
Std Dev 1099
pull1D
Entries 85
Mean 0.00478
Std Dev 1.108

dit_asym_sam2_rms vs run
χ^2 / ndf 1360 / 84
p0 313.7 ± 0.2485
330
320
310
300
290

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 72.87 / 84
p0 −2839 ± 2503
pull
Entries 85
Mean −1571
Std Dev 1609

pull1D
Entries 85
Mean −0.001128
Std Dev 0.9259

asym_sam2_correction_rms vs run
χ² / ndf 3887 / 84
p0 2232 ± 1.77
2600
2500
2400
2300
2200
2100
2000

asym_sam2_mean vs run
×10^3
χ² / ndf 69.26 / 84
p0 3145 ± 2474
pull
Entries 85
Mean −899.3
Std Dev 939.8

pull1D
Entries 85
Mean 0.002629
Std Dev 0.9027

asym_sam2_rms vs run
χ2 / ndf 4622 / 84
p0 2206 ± 1.749
2600
2500
2400
2300
2200
2100
2000

dit_asym_sam3_mean vs run
χ^2 / ndf 81.02 / 84
p0 29.51 ± 109.1
pull
Entries 85
Mean −491.2
Std Dev 535.5

pull1D
Entries 85
Mean 0.006762
Std Dev 0.9763

dit_asym_sam3_rms vs run
χ² / ndf 9748 / 84
p0 97.12 ± 0.07714
125
120
115
110
105
100
95
90
85

asym_sam3_correction_mean vs run
χ^2 / ndf 96.33 / 84
p0 −3234 ± 1231
pull
Entries 85
Mean 446.7
Std Dev 411.6
pull1D
Entries 85
Mean 0.00729
Std Dev 1.065

asym_sam3_correction_rms vs run
χ² / ndf 3051 / 84
p0 1098 ± 0.8704
1300
1250
1200
1150
1100
1050
1000

asym_sam3_mean vs run
χ² / ndf 95.96 / 84
p0 3163 ± 1233
pull
Entries 85
Mean 1219
Std Dev 1184
pull1D
Entries 85
Mean −0.0027
Std Dev 1.063

asym_sam3_rms vs run
χ^2 / ndf 4553 / 84
p0 1100 ± 0.8722
1300
1250
1200
1150
1100
1050
1000

dit_asym_sam4_mean vs run
χ² / ndf 103.8 / 84
p0 375.5 ± 327.6
pull
Entries 85
Mean 5995
Std Dev 5944
pull1D
Entries 85
Mean 0.0003562
Std Dev 1.105

dit_asym_sam4_rms vs run
χ^2 / ndf 3285 / 84
p0 292.2 ± 0.2316
320
310
300
290
280
270
260

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 98.64 / 84
p0 −7720 ± 2789
pull
Entries 85
Mean 318.3
Std Dev 283.4

pull1D
Entries 85
Mean 0.009991
Std Dev 1.077

asym_sam4_correction_rms vs run

asym_sam4_mean vs run
×10^3
χ² / ndf 95.44 / 84
p0 8016 ± 2797
pull
Entries 85
Mean 332.4
Std Dev 299.3

pull1D
Entries 85
Mean −0.008519
Std Dev 1.06

asym_sam4_rms vs run
χ^2 / ndf 2973 / 84
p0 2495 ± 1.978
2700
2600
2500
2400
2300
2200

dit_asym_sam5_mean vs run
χ² / ndf 95.07 / 84
p0 106.4 ± 184.4
pull
Entries 85
Mean −1684
Std Dev 1733
pull1D
Entries 85
Mean −0.002307
Std Dev 1.058

dit_asym_sam5_rms vs run
χ² / ndf 3890 / 84
p0 164.4 ± 0.1304
180
175
170
165
160
155
150
145

asym_sam5_correction_mean vs run
χ² / ndf 76.35 / 84
p0 −1459 ± 1102
pull
Entries 85
Mean 221.2
Std Dev 194.7
pull1D
Entries 85
Mean 0.004607
Std Dev 0.9478

asym_sam5_correction_rms vs run

asym_sam5_mean vs run
χ^2 / ndf 70.07 / 84
p0 1550 ± 1085
pull
Entries 85
Mean 83.93
Std Dev 101.5
pull1D
Entries 85
Mean −0.00428
Std Dev 0.9079

asym_sam5_rms vs run
χ² / ndf 3325 / 84
p0 968.1 ± 0.7674
1100
1050
1000
950
900

dit_asym_sam6_mean vs run
χ² / ndf 89.44 / 84
p0 199.2 ± 175.9
pull
Entries 85
Mean 3161
Std Dev 3113
pull1D
Entries 85
Mean 0.00112
Std Dev 1.026

dit_asym_sam6_rms vs run
χ^2 / ndf 2301 / 84
p0 157 ± 0.1244
175
170
165
160
155
150
145

asym_sam6_correction_mean vs run
χ² / ndf 70.16 / 84
p0 521.8 ± 1084
pull
Entries 85
Mean −460.9
Std Dev 501.2
pull1D
Entries 85
Mean 0.002233
Std Dev 0.9085

asym_sam6_correction_rms vs run
χ^2 / ndf 3336 / 84
p0 966.7 ± 0.7663
1100
1050
1000
950
900

asym_sam6_mean vs run
χ² / ndf 64.33 / 84
p0 −376.8 ± 1078
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 3887
Std Dev 3844
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.0004477
Std Dev 0.87
18
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 2795 / 84
p0 961.7 ± 0.7622
1080
1060
1040
1020
1000
980
960
940
920
900
880

dit_asym_sam7_mean vs run
χ² / ndf 85.12 / 84
p0 25.58 ± 90.2
pull
Entries 85
Mean −1465
Std Dev 1501

pull1D
Entries 85
Mean 0.001331
Std Dev 1.001

dit_asym_sam7_rms vs run
χ² / ndf 234.3 / 84
p0 80.54 ± 0.06378
84
83
82
81
80
79
78

asym_sam7_correction_mean vs run
χ² / ndf 85.24 / 84
p0 −928.2 ± 452.8
pull
Entries 85
Mean 1169
Std Dev 1132
pull1D
Entries 85
Mean 0.002406
Std Dev 1.001

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ^2 / ndf 90.33 / 84
p0 947.4 ± 449.4
pull
Entries 85
Mean 2115
Std Dev 2078
pull1D
Entries 85
Mean −0.00149
Std Dev 1.031

asym_sam7_rms vs run
χ^2 / ndf 3988 / 84
p0 400.8 ± 0.3177
480
460
440
420
400
380
360

dit_asym_sam8_mean vs run
χ² / ndf 84.98 / 84
p0 −197.3 ± 75.68
pull
Entries 85
Mean 238.9
Std Dev 187.1
pull1D
Entries 85
Mean −0.003771
Std Dev 0.9999

dit_asym_sam8_rms vs run

asym_sam8_correction_mean vs run
χ² / ndf 93.14 / 84
p0 −767.7 ± 355.8
pull
Entries 85
Mean 1416
Std Dev 1381
pull1D
Entries 85
Mean 0.001658
Std Dev 1.047

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 97.84 / 84
p0 569.2 ± 354.5
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 1118
Std Dev 1082
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002217
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_rms vs run
χ^2 / ndf 2942 / 84
p0 316.2 ± 0.2507
370
360
350
340
330
320
310
300
290

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 82.49 / 84
p0 45.15 ± 72.15
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 2033
Std Dev 1988
2
1
0
−1
−2

pull1D
Entries 85
Mean 0.001677
Std Dev 0.9851
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
χ^2 / ndf 82.16 / 84
p0 −652.6 ± 385.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 207.5
Std Dev 179.3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.006447
Std Dev 0.9831
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 3827 / 84
p0 343.5 ± 0.2723
390
380
370
360
350
340
330
320
310
300

asym_sam_15_avg_mean vs run
χ² / ndf 74.26 / 84
p0 691.3 ± 381
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 127.3
Std Dev 118.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.00524
Std Dev 0.9347
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_rms vs run
χ² / ndf 3809 / 84
p0 339.8 ± 0.2694
380
370
360
350
340
330
320
310
300

dit_asym_sam_26_avg_mean vs run
χ² / ndf 98.97 / 84
p0 285.8 ± 129
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −1458
Std Dev 1504
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.00305
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ^2 / ndf 77.17 / 84
p0 −1168 ± 746.1
pull
Entries 85
Mean 7441
Std Dev 7403
pull1D
Entries 85
Mean 0.0003061
Std Dev 0.9528

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3895 / 84
p0 665.4 ± 0.5276
800
750
700
650
600

asym_sam_26_avg_mean vs run
χ² / ndf 75.76 / 84
p0 1384 ± 743.3
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −562.8
Std Dev 602.2
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.004749
Std Dev 0.9441
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
χ^2 / ndf 6409 / 84
p0 662.4 ± 0.5256
800
750
700
650
600

dit_asym_sam_37_avg_mean vs run
χ^2 / ndf 81.55 / 84
p0 37.16 ± 82.51
pull
Entries 85
Mean 3429
Std Dev 3386

pull1D
Entries 85
Mean −0.001072
Std Dev 0.9795

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ² / ndf 93.9 / 84
p0 −2081 ± 832.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 528.3
Std Dev 492.7
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.006002
Std Dev 1.051
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
χ^2 / ndf 3103 / 84
p0 743 ± 0.5889
880
860
840
820
800
780
760
740
720
700
680

asym_sam_37_avg_mean vs run
χ² / ndf 95.1 / 84
p0 2054 ± 832.4
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 1431
Std Dev 1395
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002295
Std Dev 1.058
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
χ^2 / ndf 4427 / 84
p0 742.3 ± 0.5886
880
860
840
820
800
780
760
740
720
700
680
660

dit_asym_sam_48_avg_mean vs run
χ² / ndf 100.4 / 84
p0 89.14 ± 183.3
pull
Entries 85
Mean −4325
Std Dev 4376

pull1D
Entries 85
Mean −0.0003966
Std Dev 1.087

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ² / ndf 99.42 / 84
p0 −4259 ± 1536
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 324.9
Std Dev 289.9
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.00978
Std Dev 1.081
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 96.96 / 84
p0 4304 ± 1539
pull
Entries 85
Mean 342.6
Std Dev 309.2
pull1D
Entries 85
Mean −0.008379
Std Dev 1.068

asym_sam_48_avg_rms vs run
χ² / ndf 3126 / 84
p0 1373 ± 1.088
1500
1450
1400
1350
1300
1250
1200

dit_asym_sam_15_dd_mean vs run
χ² / ndf 103.8 / 84
p0 −56.52 ± 125.5
pull
Entries 85
Mean −1633
Std Dev 1684

pull1D
Entries 85
Mean 0.002332
Std Dev 1.105

dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ² / ndf 73.64 / 84
p0 807 ± 726.9
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 230.7
Std Dev 205.6
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.003622
Std Dev 0.9308
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 68.66 / 84
p0 −856.5 ± 716.2
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 51.17
Std Dev 102.3
pull1D
Entries 85
Mean 0.003535
Std Dev 0.8988

asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 102 / 84
p0 69.11 ± 246
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1040
Std Dev 1087
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.004631
Std Dev 1.096
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 1998 / 84
p0 219.5 ± 0.1739
235
230
225
220
215
210
205

asym_sam_26_dd_correction_mean vs run
χ² / ndf 71.6 / 84
p0 −1677 ± 1778
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −998.1
Std Dev 1037
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.001556
Std Dev 0.9178
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_dd_correction_rms vs run
χ^2 / ndf 3774 / 84
p0 1586 ± 1.257
1800
1750
1700
1650
1600
1550
1500
1450

asym_sam_26_dd_mean vs run
χ² / ndf 67.16 / 84
p0 1764 ± 1758
80000
60000
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −1356
Std Dev 1397
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.001626
Std Dev 0.8889
18
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 84.45 / 84
p0 −8.553 ± 57.08
pull
Entries 85
Mean −86.22
Std Dev 135.8
pull1D
Entries 85
Mean 0.01449
Std Dev 0.9967

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 99.71 / 84
p0 −1151 ± 407.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 348.6
Std Dev 314.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean 0.009582
Std Dev 1.083
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 96.23 / 84
p0 1110 ± 410.8
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 892
Std Dev 857.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.003627
Std Dev 1.064
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_dd_rms vs run
χ^2 / ndf 4745 / 84
p0 366.2 ± 0.2904
420
400
380
360
340
320

dit_asym_sam_48_dd_mean vs run
χ² / ndf 106.1 / 84
p0 285.8 ± 151.5
pull
Entries 85
Mean 1775
Std Dev 1724
pull1D
Entries 85
Mean 0.001437
Std Dev 1.117

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ² / ndf 97.3 / 84
p0 −3455 ± 1263
pull
Entries 85
Mean 317.4
Std Dev 282.6
pull1D
Entries 85
Mean 0.009924
Std Dev 1.07

asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
χ² / ndf 93.28 / 84
p0 3708 ± 1267
pull
Entries 85
Mean 326.8
Std Dev 294.2
pull1D
Entries 85
Mean −0.008426
Std Dev 1.048

asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 114.4 / 84
p0 −24.37 ± 65.86
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −2905
Std Dev 2956
3
2
1
0
−1
−2
−3

pull1D
Entries 85
Mean 0.001551
Std Dev 1.16
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 73.75 / 84
p0 −159.1 ± 392.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −78.3
Std Dev 103.2
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.002338
Std Dev 0.9315
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_correction_rms vs run

asym_sam_13_57_dd_mean vs run
χ² / ndf 66.36 / 84
p0 112.1 ± 377.1
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −446.7
Std Dev 491.7
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.003256
Std Dev 0.8836
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_rms vs run

dit_asym_sam_15_37_dd_mean vs run
χ^2 / ndf 74.57 / 84
p0 4.485 ± 49.31
pull
Entries 85
Mean 2569
Std Dev 2526

pull1D
Entries 85
Mean 0.002202
Std Dev 0.9366

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 79.07 / 84
p0 682.2 ± 416.5
pull
Entries 85
Mean 1802
Std Dev 1763
pull1D
Entries 85
Mean −0.001617
Std Dev 0.9645

asym_sam_15_37_dd_correction_rms vs run

asym_sam_15_37_dd_mean vs run
χ² / ndf 79.36 / 84
p0 −667 ± 415.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −1755
Std Dev 1793
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.001618
Std Dev 0.9662
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 104.5 / 84
p0 187.6 ± 96.6
pull
Entries 85
Mean −2912
Std Dev 2957
pull1D
Entries 85
Mean 0.001477
Std Dev 1.109

dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 89.12 / 84
p0 −2563 ± 1146
pull
Entries 85
Mean 756.8
Std Dev 721.1
pull1D
Entries 85
Mean 0.003856
Std Dev 1.024

asym_sam_24_68_dd_correction_rms vs run
χ2 / ndf 3433 / 84
p0 1022 ± 0.81
1200
1150
1100
1050
1000
950

asym_sam_24_68_dd_mean vs run
χ² / ndf 87.53 / 84
p0 2729 ± 1148
pull
Entries 85
Mean 1152
Std Dev 1115
pull1D
Entries 85
Mean −0.002767
Std Dev 1.015

asym_sam_24_68_dd_rms vs run
χ² / ndf 3814 / 84
p0 1024 ± 0.8117
1250
1200
1150
1100
1050
1000
950

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 107.5 / 84
p0 87.19 ± 111.2
pull
Entries 85
Mean −526.1
Std Dev 573
pull1D
Entries 85
Mean 0.007428
Std Dev 1.125

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 90.17 / 84
p0 1499 ± 659.6
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 276.4
Std Dev 244.1
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.007771
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3758 / 84
p0 588.3 ± 0.4664
660
640
620
600
580
560
540
520

asym_sam_26_48_dd_mean vs run
χ² / ndf 83.94 / 84
p0 −1395 ± 642.2
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 187.1
Std Dev 163.7
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.007935
Std Dev 0.9937
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_rms vs run
χ² / ndf 4068 / 84
p0 572.7 ± 0.4541
660
640
620
600
580
560
540
520
500

dit_asym_sam_1548_avg_mean vs run
χ^2 / ndf 97.84 / 84
p0 66.45 ± 122.6
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 4497
Std Dev 4449
pull1D
Entries 85
Mean 0.0005114
Std Dev 1.073

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 98.03 / 84
p0 −2458 ± 911.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 305.3
Std Dev 270.8
2
1
0
−1
−2

pull1D
Entries 85
Mean 0.009725
Std Dev 1.074
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1548_avg_correction_rms vs run
χ^2 / ndf 2725 / 84
p0 813.5 ± 0.6447
880
860
840
820
800
780
760
740
720

asym_sam_1548_avg_mean vs run
χ² / ndf 94.48 / 84
p0 2502 ± 911.2
pull
Entries 85
Mean 305.6
Std Dev 273.2
pull1D
Entries 85
Mean −0.008454
Std Dev 1.054

asym_sam_1548_avg_rms vs run

dit_asym_sam_3748_avg_mean vs run
χ^2 / ndf 91.75 / 84
p0 56.63 ± 118.9
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 69.33
Std Dev 98.61
pull1D
Entries 85
Mean 0.002286
Std Dev 1.039

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 99.44 / 84
p0 −3181 ± 1145
pull
Entries 85
Mean 358.9
Std Dev 323.6
pull1D
Entries 85
Mean 0.009255
Std Dev 1.082

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 2644 / 84
p0 1021 ± 0.8094
1150
1100
1050
1000
950

asym_sam_3748_avg_mean vs run
χ^2 / ndf 98.53 / 84
p0 3193 ± 1148
pull
Entries 85
Mean 447.7
Std Dev 413.3
pull1D
Entries 85
Mean −0.007058
Std Dev 1.077

asym_sam_3748_avg_rms vs run
χ^2 / ndf 3358 / 84
p0 1024 ± 0.812
1150
1100
1050
1000
950
900

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 99.71 / 84
p0 162.6 ± 66.38
pull
Entries 85
Mean −359
Std Dev 405.4

pull1D
Entries 85
Mean 0.006384
Std Dev 1.083

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 93.88 / 84
p0 −932.9 ± 371.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 498.4
Std Dev 462.3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.006456
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2947 / 84
p0 331.8 ± 0.263
390
380
370
360
350
340
330
320
310
300

asym_sam_1526_avg_mean vs run
χ² / ndf 93.65 / 84
p0 1062 ± 380.7
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 4178
Std Dev 4141
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −0.0007697
Std Dev 1.05
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 89.63 / 84
p0 163.8 ± 94.83
pull
Entries 85
Mean −1.994e+04
Std Dev 1.998e+04
pull1D
Entries 85
Mean 0.0002329
Std Dev 1.027

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 86.6 / 84
p0 −1620 ± 765.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 920.2
Std Dev 883.9
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.00306
Std Dev 1.009
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 3461 / 84
p0 683.1 ± 0.5415
820
800
780
760
740
720
700
680
660
640
620

asym_sam_3726_avg_mean vs run
χ² / ndf 87.02 / 84
p0 1715 ± 767.1
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −2148
Std Dev 2185
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.001428
Std Dev 1.012
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3726_avg_rms vs run
χ^2 / ndf 5300 / 84
p0 683.8 ± 0.5424
840
820
800
780
760
740
720
700
680
660
640
620

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 98.34 / 84
p0 −23.25 ± 66.07
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −181.9
Std Dev 249.8
pull1D
Entries 85
Mean 0.002444
Std Dev 1.076

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 99.2 / 84
p0 1793 ± 649.7
pull
Entries 85
Mean 375.7
Std Dev 340.4
pull1D
Entries 85
Mean −0.008783
Std Dev 1.08

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2695 / 84
p0 579.7 ± 0.4594
640
620
600
580
560
540
520

asym_sam_15_48_dd_mean vs run
χ² / ndf 98.03 / 84
p0 −1795 ± 653.2
pull
Entries 85
Mean 422.3
Std Dev 388
pull1D
Entries 85
Mean 0.007408
Std Dev 1.074

asym_sam_15_48_dd_rms vs run

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 109.3 / 84
p0 −35.11 ± 78
pull
Entries 85
Mean −627.2
Std Dev 673.1
pull1D
Entries 85
Mean 0.005946
Std Dev 1.134

dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ^2 / ndf 91.14 / 84
p0 1062 ± 464.4
pull
Entries 85
Mean 283.4
Std Dev 250.5
pull1D
Entries 85
Mean −0.007757
Std Dev 1.035

asym_sam_37_48_dd_correction_rms vs run
χ^2 / ndf 3541 / 84
p0 414.2 ± 0.3284
460
440
420
400
380
360

asym_sam_37_48_dd_mean vs run
χ² / ndf 84.8 / 84
p0 −1087 ± 460.6
pull
Entries 85
Mean 200
Std Dev 174.3
pull1D
Entries 85
Mean 0.00767
Std Dev 0.9988

asym_sam_37_48_dd_rms vs run

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 92.46 / 84
p0 −116.2 ± 80.72
pull
Entries 85
Mean −1208
Std Dev 1254
pull1D
Entries 85
Mean −0.004217
Std Dev 1.043

dit_asym_sam_15_26_dd_rms vs run
χ2 / ndf 1588 / 84
p0 72.04 ± 0.05707
78
76
74
72
70
68
66

asym_sam_15_26_dd_correction_mean vs run
χ^2 / ndf 67.61 / 84
p0 256.3 ± 462.9
pull
Entries 85
Mean −534.1
Std Dev 576
pull1D
Entries 85
Mean 0.002354
Std Dev 0.8918

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 4376 / 84
p0 412.8 ± 0.3273
480
460
440
420
400
380

asym_sam_15_26_dd_mean vs run
χ^2 / ndf 62.06 / 84
p0 −354.4 ± 452.1
pull
Entries 85
Mean −398.7
Std Dev 442
pull1D
Entries 85
Mean −0.00494
Std Dev 0.8545

asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 105.9 / 84
p0 −126 ± 52.25
pull
Entries 85
Mean −829.5
Std Dev 878.5
pull1D
Entries 85
Mean −0.003341
Std Dev 1.116

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ^2 / ndf 87.62 / 84
p0 −437 ± 196.3
pull
Entries 85
Mean 261.3
Std Dev 230.5

pull1D
Entries 85
Mean 0.007717
Std Dev 1.015

asym_sam_37_26_dd_correction_rms vs run

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 82.45 / 84
p0 307.3 ± 185.3
pull
Entries 85
Mean 164.7
Std Dev 147.7

pull1D
Entries 85
Mean −0.008169
Std Dev 0.9849

asym_sam_37_26_dd_rms vs run

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 85.98 / 84
p0 34.2 ± 59.95
pull
Entries 85
Mean −32.41
Std Dev 59.52
pull1D
Entries 85
Mean 0.006395
Std Dev 1.006

dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 102 / 84
p0 −1375 ± 500.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 367.6
Std Dev 330.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.01028
Std Dev 1.095
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
χ^2 / ndf 99.08 / 84
p0 1399 ± 496.8
pull
Entries 85
Mean 482.3
Std Dev 447.6
pull1D
Entries 85
Mean −0.006628
Std Dev 1.08

asym_sam_1357_avg_rms vs run
χ² / ndf 3438 / 84
p0 443.1 ± 0.3513
500
480
460
440
420
400

dit_asym_sam_2468_avg_mean vs run
χ^2 / ndf 92.81 / 84
p0 183.2 ± 112.9
pull
Entries 85
Mean −308.7
Std Dev 349

pull1D
Entries 85
Mean 0.003563
Std Dev 1.045

dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 97.98 / 84
p0 −2728 ± 1011
pull
Entries 85
Mean 406.6
Std Dev 371.1
pull1D
Entries 85
Mean 0.008154
Std Dev 1.074

asym_sam_2468_avg_correction_rms vs run
χ^2 / ndf 2743 / 84
p0 901.9 ± 0.7148
1040
1020
1000
980
960
940
920
900
880
860
840
820

asym_sam_2468_avg_mean vs run
χ² / ndf 97.17 / 84
p0 2865 ± 1024
pull
Entries 85
Mean 596.9
Std Dev 561.5
pull1D
Entries 85
Mean −0.005409
Std Dev 1.069

asym_sam_2468_avg_rms vs run
χ^2 / ndf 3579 / 84
p0 913.2 ± 0.724
1050
1000
950
900
850

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 96.46 / 84
p0 −75.34 ± 34.94
1000
500
0
−500
−1000
pull
Entries 85
Mean 1751
Std Dev 1707
3
2
1
0
−1
−2

pull1D
Entries 85
Mean 0.000942
Std Dev 1.065
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 93.03 / 84
p0 673.3 ± 266.3
pull
Entries 85
Mean 521.7
Std Dev 487.6

pull1D
Entries 85
Mean −0.005203
Std Dev 1.046

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2842 / 84
p0 237.6 ± 0.1883
280
270
260
250
240
230
220

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.64 / 84
p0 −733.2 ± 270.3
pull
Entries 85
Mean 764
Std Dev 727.8
pull1D
Entries 85
Mean 0.004153
Std Dev 1.05

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 90.32 / 84
p0 108.2 ± 83.34
pull
Entries 85
Mean −160.5
Std Dev 198.6

pull1D
Entries 85
Mean 0.005037
Std Dev 1.031

dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
χ^2 / ndf 99.48 / 84
p0 −2053 ± 751.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 387.6
Std Dev 351.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean 0.00901
Std Dev 1.082
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 2679 / 84
p0 670.9 ± 0.5317
760
740
720
700
680
660
640
620
600

asym_sam_12345678_avg_mean vs run
χ² / ndf 98.03 / 84
p0 2132 ± 757.9
pull
Entries 85
Mean 553.4
Std Dev 518.2
pull1D
Entries 85
Mean −0.005835
Std Dev 1.074

asym_sam_12345678_avg_rms vs run

dit_usl_4aX_slope vs run
χ² / ndf 3.686e−24 / 84
p0 −268.3 ± 0.3257
−265
−266
−267
−268
−269
−270
−271
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 85
Mean −2.082e−13
Std Dev 1.016e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 4.603e−24 / 84
p0 220.1 ± 0.318
223
222
221
220
219
218
217
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 85
Mean −2.327e−13
Std Dev1.515e−20
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
χ² / ndf 2.317e−27 / 84
p0 −2.013 ± 0.01845
−1.85
−1.9
−1.95
−2
−2.05
−2.1
−2.15
−2.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
5
4
3
2
1
0

pull1D
Entries 85
Mean 5.221e−15
Std Dev 3.512e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ² / ndf 2.489e−24 / 84
p0 20.66 ± 0.02252
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean 1.711e−13
Std Dev 7.946e−21

dit_usr_4aX_slope vs run
χ^2 / ndf 2.851e−25 / 84
p0 −318.9 ± 0.5323
−314
−316
−318
−320
−322
−324
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
60
50
40
30
20
10
0

pull1D
Entries 85
Mean 5.792e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 4.914e−26 / 84
p0 393.3 ± 0.5129
398
396
394
392
390
388
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
pull1D
Entries 85
Mean −2.404e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run

dit_usr_4aY_slope vs run
χ^2 / ndf 1.036e−26 / 84
p0 −0.7477 ± 0.02291
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −1.104e−14
Std Dev4.492e−22

dit_usr_4eY_slope vs run
χ^2 / ndf 4.547e−25 / 84
p0 12.73 ± 0.02898
13
12.9
12.8
12.7
12.6
12.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 85
Mean −7.314e−14
Std Dev5.011e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ² / ndf 2.87e−26 / 84
p0 −161.6 ± 1.007
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −1.837e−14
Std Dev 1.08e−21

dit_atl1_4eX_slope vs run
χ^2 / ndf 2.629e−25 / 84
p0 206 ± 0.9977
215
210
205
200
195
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

pull1D
Entries 85
Mean −5.562e−14
Std Dev3.112e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.994e−24 / 84
p0 −22.75 ± 0.04277
−22.3
−22.4
−22.5
−22.6
−22.7
−22.8
−22.9
−23
−23.1
−23.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 85
Mean −1.532e−13
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.343e−25 / 84
p0 10.54 ± 0.05332
11
10.8
10.6
10.4
10.2
10
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
−30
−35
−40

pull1D
Entries 85
Mean −3.975e−14
Std Dev 1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ^2 / ndf 1.819e−26 / 84
p0 −18.57 ± 0.07902
−17.8
−18
−18.2
−18.4
−18.6
−18.8
−19
−19.2
−19.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
14
12
10
8
6
4
2
0

pull1D
Entries 85
Mean 1.463e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 0 / 84
p0 −2161 ± 1.028
−2150
−2155
−2160
−2165
−2170
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.819e−24 / 84
p0 2187 ± 1.012
2198
2196
2194
2192
2190
2188
2186
2184
2182
2180
2178
2176
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 1.463e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ² / ndf 2.362e−23 / 84
p0 −297.4 ± 0.05848
−296.8
−297
−297.2
−297.4
−297.6
−297.8
−298
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 5.271e−13
Std Dev 1.515e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.041e−23 / 84
p0 149 ± 0.08808
150
149.8
149.6
149.4
149.2
149
148.8
148.6
148.4
148.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 3.5e−13
Std Dev 8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 8.745e−27 / 84
p0 −149.8 ± 1.52
−135
−140
−145
−150
−155
−160
−165
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 85
Mean −1.014e−14
Std Dev 6.353e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 9.242e−29 / 84
p0 100.1 ± 1.478
115
110
105
100
95
90
85
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 1.043e−15
Std Dev 3.502e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 5.195e−25 / 84
p0 −19.53 ± 0.04929
−19
−19.2
−19.4
−19.6
−19.8
−20
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 85
Mean −7.818e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.901e−25 / 84
p0 14.14 ± 0.04287
14.6
14.5
14.4
14.3
14.2
14.1
14
13.9
13.8
13.7
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 85
Mean −5.842e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ^2 / ndf 2.009e−26 / 84
p0 −23.81 ± 0.0752
−23
−23.2
−23.4
−23.6
−23.8
−24
−24.2
−24.4
−24.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 85
Mean −1.537e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
χ^2 / ndf 5.723e−24 / 84
p0 −1987 ± 1.426
−1975
−1980
−1985
−1990
−1995
−2000
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 85
Mean −2.595e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run

dit_atr2_11X12X_slope vs run
χ^2 / ndf 7.852e−23 / 84
p0 −261 ± 0.06415
−260.4
−260.6
−260.8
−261
−261.2
−261.4
−261.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 85
Mean −9.611e−13
Std Dev 4.695e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ² / ndf 3.643e−25 / 84
p0 −20.78 ± 0.07652
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −6.546e−14
Std Dev2.241e−21

dit_atr2_4eY_slope vs run
χ^2 / ndf 5.579e−25 / 84
p0 125.9 ± 0.0761
126.6
126.4
126.2
126
125.8
125.6
125.4
125.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 85
Mean −8.101e−14
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run

dit_sam1_4eX_slope vs run
χ² / ndf 7.473e−26 / 84
p0 −16.53 ± 0.104
−15.5
−16
−16.5
−17
−17.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean 2.965e−14
Std Dev 2.031e−21

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ^2 / ndf 1.257e−24 / 84
p0 −49.87 ± 0.006338
−49.8
−49.82
−49.84
−49.86
−49.88
−49.9
−49.92
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 1.216e−13
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.17e−25 / 84
p0 7.085 ± 0.01039
7.2
7.15
7.1
7.05
7
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 85
Mean 3.709e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run
χ^2 / ndf 6.068e−28 / 84
p0 58.2 ± 1.731
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −2.672e−15
Std Dev 5.294e−23

dit_sam2_4eX_slope vs run
χ² / ndf 1.74e−25 / 84
p0 −256.7 ± 1.635
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −4.524e−14
Std Dev 1.037e−21

dit_sam2_11X12X_slope vs run
χ^2 / ndf 1.394e−27 / 84
p0 0.5415 ± 0.01487
0.7
0.65
0.6
0.55
0.5
0.45
0.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

pull1D
Entries 85
Mean −4.05e−15
Std Dev 1.756e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aY_slope vs run
χ² / ndf 2.213e−27 / 84
p0 14.99 ± 0.03776
15.4
15.3
15.2
15.1
15
14.9
14.8
14.7
14.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5

pull1D
Entries 85
Mean −5.102e−15
Std Dev 3.591e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ² / ndf 3.449e−23 / 84
p0 −208 ± 0.0726
−207.2
−207.4
−207.6
−207.8
−208
−208.2
−208.4
−208.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 6.37e−13
Std Dev 2.794e−20
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 8.393e−28 / 84
p0 −32.28 ± 1.717
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −3.142e−15
Std Dev 1.401e−22

dit_sam3_4eX_slope vs run
χ² / ndf 7.6e−27 / 84
p0 −74.41 ± 1.63
−60
−65
−70
−75
−80
−85
−90
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8

pull1D
Entries 85
Mean −9.456e−15
Std Dev 5.895e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run
χ^2 / ndf 1.336e−27 / 84
p0 0.2084 ± 0.01671
0.35
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
4
3.5
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 85
Mean 3.964e−15
Std Dev 2.539e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aY_slope vs run
χ2 / ndf 2.324e−25 / 84
p0 −6.722 ± 0.01842
−6.55
−6.6
−6.65
−6.7
−6.75
−6.8
−6.85
−6.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10−15
50
40
30
20
10
0
pull1D
Entries 85
Mean 5.229e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ^2 / ndf 5.209e−26 / 84
p0 29.06 ± 0.0467
29.4
29.2
29
28.8
28.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
25
20
15
10
5
0

pull1D
Entries 85
Mean 2.476e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ^2 / ndf 3.334e−27 / 84
p0 −19.99 ± 0.06153
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
1
2
3
4
5
6

pull1D
Entries 85
Mean 6.263e−15
Std Dev 3.668e−22
0
10
20
30
40
50
60
70
80
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run
χ^2 / ndf 1.439e−23 / 84
p0 259.1 ± 0.1049
260
259.5
259
258.5
258
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 4.114e−13
Std Dev 1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run
χ^2 / ndf 3.093e−26 / 84
p0 9.474 ± 0.1414
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −1.908e−14
Std Dev1.037e−21

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.772e−28 / 84
p0 0.6696 ± 0.1334
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean −1.444e−15
Std Dev 2.647e−23

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ^2 / ndf 6.709e−24 / 84
p0 32.29 ± 0.0192
32.5
32.45
32.4
32.35
32.3
32.25
32.2
32.15
32.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 2.81e−13
Std Dev 1.886e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ² / ndf 1.241e−23 / 84
p0 115.9 ± 0.02017
116.1
116.05
116
115.95
115.9
115.85
115.8
115.75
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 85
Mean 3.821e−13
Std Dev 1.437e−20
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
χ^2 / ndf 1.025e−30 / 84
p0 1.078 ± 0.8772
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean 1.098e−16
Std Dev 5.232e−24

dit_sam6_11X12X_slope vs run
χ^2 / ndf 2.125e−28 / 84
p0 0.4917 ± 0.007617
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 1.581e−15
Std Dev 4.952e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ^2 / ndf 1.002e−24 / 84
p0 17.31 ± 0.02839
17.6
17.5
17.4
17.3
17.2
17.1
17
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 85
Mean −1.086e−13
Std Dev3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 3.766e−25 / 84
p0 98.71 ± 0.04631
99.2
99
98.8
98.6
98.4
98.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 85
Mean −6.657e−14
Std Dev 4.15e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ² / ndf 6.399e−25 / 84
p0 86.4 ± 0.3375
pull
Entries 85
Mean 42.5
Std Dev 24.54

pull1D
Entries 85
Mean 8.677e−14
Std Dev4.639e−21

dit_sam7_4eX_slope vs run
χ^2 / ndf 2.261e−24 / 84
p0 −129.9 ± 0.3213
−127
−128
−129
−130
−131
−132
−133
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 85
Mean −1.631e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run
χ^2 / ndf 4.224e−27 / 84
p0 0.3816 ± 0.003417
0.41
0.4
0.39
0.38
0.37
0.36
0.35
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15

pull1D
Entries 85
Mean 7.049e−15
Std Dev4.735e−22

dit_sam7_4aY_slope vs run
χ² / ndf 1.229e−24 / 84
p0 7.215 ± 0.003205
7.25
7.24
7.23
7.22
7.21
7.2
7.19
7.18
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 85
Mean 1.202e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 1.386e−23 / 84
p0 −12.08 ± 0.008587
−12
−12.02
−12.04
−12.06
−12.08
−12.1
−12.12
−12.14
−12.16
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 4.039e−13
Std Dev 1.976e−20
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 1.081e−25 / 84
p0 61.49 ± 0.2161
63.5
63
62.5
62
61.5
61
60.5
60
59.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
35
30
25
20
15
10
5
0

pull1D
Entries 85
Mean 3.566e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 1.895e−26 / 84
p0 −94.14 ± 0.2065
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −1.493e−14
Std Dev7.923e−22

dit_sam8_11X12X_slope vs run

dit_sam8_4aY_slope vs run
χ² / ndf 7.342e−22 / 84
p0 −48.69 ± 0.00472
−48.64
−48.66
−48.68
−48.7
−48.72
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean 2.939e−12
Std Dev 8.571e−20

dit_sam8_4eY_slope vs run
χ² / ndf 2.424e−22 / 84
p0 54.45 ± 0.01004
54.55
54.5
54.45
54.4
54.35
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 85
Mean −1.689e−12
Std Dev 8.99e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_mean vs run

dit_4aX_coil1_err_mean vs run

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 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

dit_4eX_coil1_err_mean vs run

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_11X12X_coil1_mean vs run

dit_11X12X_coil1_err_mean vs run

dit_11X12X_coil1_Ndata_mean vs run

dit_4aY_coil1_mean vs run
χ² / ndf 1.614e+32 / 84
p0 3.814 ± 1.085e−16
pull
Entries 85
Mean −1.415e+08
Std Dev 1.415e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run

dit_4aY_coil1_Ndata_mean vs run

dit_4eY_coil1_mean vs run
χ² / ndf 2.045e+32 / 84
p0 4.95 ± 1.085e−16
pull
Entries 85
Mean 2.22e+08
Std Dev 2.22e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil1_err_mean vs run
χ² / ndf 9.247e+31 / 84
p0 1.997 ± 1.085e−16
pull
Entries 85
Mean 8.4e+08
Std Dev 8.4e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil1_mean vs run
χ² / ndf inf / 84
p0 3.304e+04 ± 1.085e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean 1.147e+09
Std Dev 1.147e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 85
Mean 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 7.51e+36 / 84
p0 641.9 ± 1.085e−16
pull
Entries 85
Mean 2.225e+09
Std Dev 2.225e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_mean vs run
χ² / ndf inf / 84
p0 −2.932e+04 ± 1.085e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 85
Mean 1.084e+09
Std Dev 1.084e+09
×10¹⁸
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_err_mean vs run
χ² / ndf 5.805e+36 / 84
p0 645.4 ± 1.085e−16
pull
Entries 85
Mean −1.342e+09
Std Dev 1.342e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_mean vs run
χ² / ndf inf / 84
p0 −1.762e+04 ± 1.085e−16
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean 7.481e+08
Std Dev 7.481e+08
×10¹⁸
18
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_err_mean vs run
χ² / ndf 3.454e+36 / 84
p0 624.9 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 1.739e+09
Std Dev 1.739e+09
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_mean vs run
χ² / ndf inf / 84
p0 4.983e+04 ± 1.085e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 85
Mean 3.776e+09
Std Dev 3.776e+09
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_err_mean vs run
χ² / ndf 3.319e+38 / 84
p0 3693 ± 1.085e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 85
Mean 1.262e+10
Std Dev 1.262e+10
×10¹⁵
8000
6000
4000
2000
0
−2000
−4000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_Ndata_mean vs run
χ^2 / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_mean vs run
χ² / ndf inf / 84
p0 2.904e+04 ± 1.085e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean −2.178e+09
Std Dev 2.178e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 85
Mean 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 4.204e+36 / 84
p0 692.9 ± 1.085e−16
1200
1000
800
600
400
200
0
pull
Entries 85
Mean −5.898e+08
Std Dev 5.898e+08
400
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 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 / 84
p0 −4.097e+04 ± 1.085e−16
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 4.773e+09
Std Dev 4.773e+09
×10¹⁸
40
35
30
25
20
15
10
5
0
−5
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_err_mean vs run
χ² / ndf 2.44e+38 / 84
p0 3364 ± 1.085e−16
10000
8000
6000
4000
2000
0
pull
Entries 85
Mean −3.462e+09
Std Dev 3.462e+09
×10¹⁵
6000
4000
2000
0
−2000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_mean vs run
χ^2 / ndf 2.487e+38 / 84
p0 6832 ± 1.085e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean −1.392e+09
Std Dev 1.392e+09
×10^15
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_err_mean vs run
χ² / ndf 1.796e+35 / 84
p0 116.4 ± 1.085e−16
200
150
100
50
0
pull
Entries 85
Mean −1.096e+09
Std Dev 1.096e+09
×10¹⁵
100
50
0
−50
−100
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 84
p0 9.858e+04 ± 1.085e−16
100
80
60
40
20
0
×10^18
pull
Entries 85
Mean 8.287e+08
Std Dev 8.287e+08
0
−20
−40
−60
−80
−100

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_err_mean vs run
χ² / ndf 2.422e+37 / 84
p0 1248 ± 1.085e−16
2500
2000
1500
1000
500
0
pull
Entries 85
Mean 5.493e+08
Std Dev 5.493e+08
×10¹⁵
1000
500
0
−500
−1000

pull1D
Entries 85
Mean 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 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_mean vs run
χ² / ndf inf / 84
p0 5.352e+04 ± 1.085e−16
60000
50000
40000
30000
20000
10000
0
pull
Entries 85
Mean 1.552e+09
Std Dev 1.552e+09
×10¹⁸
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_err_mean vs run
χ² / ndf 5.213e+36 / 84
p0 689.8 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 2.858e+08
Std Dev 2.858e+08
×10¹⁵
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_mean vs run
×10^3
χ² / ndf inf / 84
p0 9.228e+04 ± 1.085e−16
100
80
60
40
20
0
×10^18
pull
Entries 85
Mean 9.313e+08
Std Dev 9.313e+08
0
−20
−40
−60
−80

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_err_mean vs run
χ² / ndf 1.144e+37 / 84
p0 1083 ± 1.085e−16
pull
Entries 85
Mean 8.015e+08
Std Dev 8.015e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_mean vs run
χ² / ndf 1.097e+38 / 84
p0 –4422 ± 1.085e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 85
Mean 8.153e+09
Std Dev 8.153e+09
×10¹⁵
4000
3000
2000
1000
0
–1000
pull1D
Entries 85
Mean 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 2.514e+36 / 84
p0 303.9 ± 1.085e−16
pull
Entries 85
Mean 2.925e+09
Std Dev 2.925e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_mean vs run
χ² / ndf inf / 84
p0 −3.269e+04 ± 1.085e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
pull
Entries 85
Mean 1.464e+09
Std Dev 1.464e+09
×10¹⁸
30
25
20
15
10
5
0
−5
pull1D
Entries 85
Mean 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 3.694e+36 / 84
p0 481.7 ± 1.085e−16
pull
Entries 85
Mean 1.783e+10
Std Dev 1.783e+10
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil1_mean vs run
χ² / ndf inf / 84
p0 2.189e+04 ± 1.085e−16
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean 7.886e+08
Std Dev 7.886e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 85
Mean 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 5.9e+35 / 84
p0 232.2 ± 1.085e−16
pull
Entries 85
Mean −1.249e+09
Std Dev 1.249e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_mean vs run
χ² / ndf inf / 84
p0 1.653e+04 ± 1.085e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 85
Mean −1.64e+10
Std Dev 1.64e+10
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16

pull1D
Entries 85
Mean 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 2.727e+35 / 84
p0 168.3 ± 1.085e−16
pull
Entries 85
Mean 4.272e+08
Std Dev 4.272e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 1.919e+37 / 84
p0 1191± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 6.66e+08
Std Dev 6.66e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil3_mean vs run
χ^2 / ndf 4.268e+34 / 84
p0 −89.61 ± 1.085e−16
0
−20
−40
−60
−80
−100
pull
Entries 85
Mean 7.982e+09
Std Dev 7.982e+09
×10^15
80
60
40
20
0
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil3_err_mean vs run
χ² / ndf 2.509e+31 / 84
p0 1.91 ± 1.085e−16
pull
Entries 85
Mean −1.696e+08
Std Dev 1.696e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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
χ² / ndf 2.617e+31 / 84
p0 1.962 ± 1.085e−16
pull
Entries 85
Mean −1.708e+09
Std Dev 1.708e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil3_mean vs run

dit_11X12X_coil3_err_mean vs run

dit_11X12X_coil3_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ^2 / ndf 9.804e+31 / 84
p0 4.173 ± 1.085e−16
pull
Entries 85
Mean −1.251e+09
Std Dev 1.251e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ² / ndf 1.174e+32 / 84
p0 4.597 ± 1.085e−16
pull
Entries 85
Mean 1.024e+09
Std Dev 1.024e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run
χ² / ndf 1.199e+30 / 84
p0 0.3374 ± 1.085e−16
pull
Entries 85
Mean −2e+09
Std Dev 2e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ² / ndf 2.308e+38 / 84
p0 6587 ± 1.085e−16
pull
Entries 85
Mean 1.36e+10
Std Dev 1.36e+10

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil3_err_mean vs run
χ² / ndf 2.04e+35 / 84
p0 164.1± 1.085e−16
pull
Entries 85
Mean 3.944e+08
Std Dev 3.944e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 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 1.716e+38 / 84
p0 –5671 ± 1.085e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 85
Mean 6.53e+08
Std Dev 6.53e+08
×10¹⁵
5000
4000
3000
2000
1000
0
pull1D
Entries 85
Mean 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 1.415e+35 / 84
p0 148 ± 1.085e−16
pull
Entries 85
Mean −1.437e+10
Std Dev 1.437e+10
pull1D
Entries 85
Mean 0
Std Dev 0

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 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
χ^2 / ndf 5.909e+37 / 84
p0 –3309 ± 1.085e–16
pull
Entries 85
Mean –8.86e+08
Std Dev 8.86e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atl1_coil3_err_mean vs run
χ² / ndf 9.841e+34 / 84
p0 121.2 ± 1.085e−16
pull
Entries 85
Mean −1.437e+09
Std Dev 1.437e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil3_mean vs run
χ² / ndf inf / 84
p0 1.048e+04 ± 1.085e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 85
Mean 5.963e+08
Std Dev 5.963e+08
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 85
Mean 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 3.905e+36 / 84
p0 670.6 ± 1.085e−16
1200
1000
800
600
400
200
0
pull
Entries 85
Mean −1.347e+09
Std Dev 1.347e+09
600
400
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil3_mean vs run
χ^2 / ndf 1.58e+38 / 84
p0 5435 ± 1.085e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean 1.102e+09
Std Dev 1.102e+09
×10^15
0
−1000
−2000
−3000
−4000
−5000

pull1D
Entries 85
Mean 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 1.748e+35 / 84
p0 156.4 ± 1.085e−16
pull
Entries 85
Mean −2.978e+08
Std Dev 2.978e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_mean vs run
χ² / ndf 2.998e+38 / 84
p0 −7354 ± 1.085e−16
pull
Entries 85
Mean −7.914e+08
Std Dev 7.914e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_atr2_coil3_err_mean vs run
χ² / ndf 2.751e+36 / 84
p0 590.3 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 1.064e+09
Std Dev 1.064e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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
χ² / ndf 7.086e+36 / 84
p0 1152 ± 1.085e−16
1200
1000
800
600
400
200
0
pull
Entries 85
Mean 1.738e+09
Std Dev 1.738e+09
×10¹⁵
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_err_mean vs run
χ² / ndf 5.218e+33 / 84
p0 28.41± 1.085e−16
pull
Entries 85
Mean −3.085e+09
Std Dev 3.085e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_mean vs run
χ² / ndf inf / 84
p0 1.827e+04 ± 1.085e−16
20000
15000
10000
5000
0
pull
Entries 85
Mean 1.386e+09
Std Dev 1.386e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_err_mean vs run
χ² / ndf 9.919e+35 / 84
p0 386.5 ± 1.085e−16
pull
Entries 85
Mean −3.239e+09
Std Dev 3.239e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 inf / 84
p0 1.007e+04 ± 1.085e−16
12000
10000
8000
6000
4000
2000
0
pull
Entries 85
Mean −9.433e+08
Std Dev 9.433e+08
×10¹⁵
0
−2000
−4000
−6000
−8000
−10000

pull1D
Entries 85
Mean 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 3.826e+35 / 84
p0 236.7 ± 1.085e−16
pull
Entries 85
Mean −1.205e+08
Std Dev 1.205e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 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 inf / 84
p0 1.872e+04 ± 1.085e−16
20000
15000
10000
5000
0
×10^18
pull
Entries 85
Mean 1.08e+09
Std Dev 1.08e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 1.093e+36 / 84
p0 394.4 ± 1.085e−16
pull
Entries 85
Mean −4.772e+08
Std Dev 4.772e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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
χ^2 / ndf 5.214e+35 / 84
p0 −269.5 ± 1.085e−16
pull
Entries 85
Mean −2.62e+09
Std Dev 2.62e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam5_coil3_err_mean vs run
χ² / ndf 2.555e+34 / 84
p0 48.85 ± 1.085e−16
pull
Entries 85
Mean 1.617e+09
Std Dev 1.617e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_mean vs run
χ^2 / ndf 1.606e+38 / 84
p0 –5484 ± 1.085e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 85
Mean –5.241e+08
Std Dev 5.241e+08
×10^15
5000
4000
3000
2000
1000
0
pull1D
Entries 85
Mean 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 1.066e+35 / 84
p0 125.3 ± 1.085e−16
pull
Entries 85
Mean −1.786e+08
Std Dev 1.786e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run
χ² / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_mean vs run
χ^2 / ndf 1.104e+38 / 84
p0 4556 ± 1.085e−16
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean 1.006e+09
Std Dev 1.006e+09
×10^15
0
−1000
−2000
−3000
−4000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_err_mean vs run
χ^2 / ndf 5.794e+34 / 84
p0 92.55 ± 1.085e−16
pull
Entries 85
Mean −1.531e+08
Std Dev 1.531e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_mean vs run
χ^2 / ndf 6.382e+37 / 84
p0 3464 ± 1.085e−16
4000
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 85
Mean −1.442e+09
Std Dev 1.442e+09
×10^15
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_err_mean vs run
χ² / ndf 3.293e+34 / 84
p0 69.72 ± 1.085e−16
pull
Entries 85
Mean 1.015e+09
Std Dev 1.015e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 2.067e+37 / 84
p0 1388 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 0
Std Dev 0
pull1D
Entries 85
Mean 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
χ^2 / ndf 8.168e+33 / 84
p0 37.65 ± 1.085e−16
pull
Entries 85
Mean 1.505e+09
Std Dev 1.505e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aX_coil7_err_mean vs run

dit_4aX_coil7_Ndata_mean vs run

dit_4eX_coil7_mean vs run
χ^2 / ndf 7.436e+33 / 84
p0 35.93 ± 1.085e−16
pull
Entries 85
Mean 3.312e+09
Std Dev 3.312e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eX_coil7_err_mean vs run

dit_4eX_coil7_Ndata_mean vs run

dit_11X12X_coil7_mean vs run

dit_11X12X_coil7_err_mean vs run

dit_11X12X_coil7_Ndata_mean vs run
χ² / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil7_mean vs run
χ2 / ndf 8.195e+32 / 84
p0 −11.73 ± 1.085e−16
pull
Entries 85
Mean −3.107e+09
Std Dev 3.107e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run

dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
χ^2 / ndf 5.706e+32 / 84
p0 −9.509 ± 1.085e−16
pull
Entries 85
Mean −1.249e+09
Std Dev 1.249e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run
χ^2 / ndf 1.495e+31 / 84
p0 1.381± 1.085e−16
pull
Entries 85
Mean 1.57e+09
Std Dev 1.57e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil7_Ndata_mean vs run

dit_usl_coil7_mean vs run
χ² / ndf inf / 84
p0 1.644e+04 ± 1.085e−16
20000
15000
10000
5000
0
pull
Entries 85
Mean 9.43e+08
Std Dev 9.43e+08
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 85
Mean 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 2.504e+36 / 84
p0 513.3 ± 1.085e−16
pull
Entries 85
Mean −6.991e+08
Std Dev 6.991e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_mean vs run
χ² / ndf inf / 84
p0 1.926e+04 ± 1.085e−16
20000
15000
10000
5000
0
pull
Entries 85
Mean −7.355e+08
Std Dev 7.355e+08
×10¹⁸
0
−5
−10
−15
−20

pull1D
Entries 85
Mean 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 1.819e+36 / 84
p0 491.2 ± 1.085e−16
pull
Entries 85
Mean −4.641e+09
Std Dev 4.641e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usr_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 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

dit_atl1_coil7_err_mean vs run
χ² / ndf 1.827e+36 / 84
p0 485.1± 1.085e−16
pull
Entries 85
Mean −7.097e+08
Std Dev 7.097e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
χ^2 / ndf inf / 84
p0 1.307e+05 ± 1.085e−16
×10^3
140
120
100
80
60
40
20
0
pull
Entries 85
Mean −1.822e+09
Std Dev 1.822e+09
×10^18
20
0
−20
−40
−60
−80
−100
−120

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_err_mean vs run
χ^2 / ndf 7.115e+37 / 84
p0 2925 ± 1.085e−16
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean −7.714e+08
Std Dev 7.714e+08
×10^15
2000
1000
0
−1000
−2000
−3000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_Ndata_mean vs run

dit_atr1_coil7_mean vs run
χ^2 / ndf 2.866e+38 / 84
p0 6919 ± 1.085e−16
8000
6000
4000
2000
0
pull
Entries 85
Mean 3.142e+09
Std Dev 3.142e+09
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_err_mean vs run
χ^2 / ndf 2.441e+36 / 84
p0 540.6 ± 1.085e−16
pull
Entries 85
Mean 2.356e+09
Std Dev 2.356e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atr1_coil7_Ndata_mean vs run

dit_atr2_coil7_mean vs run
×10^3
140
120
100
80
60
40
20
0
χ² / ndf inf / 84
p0 1.208e+05 ± 1.085e−16
×10^18
0
−20
−40
−60
−80
−100
−120
pull
Entries 85
Mean 1.846e+09
Std Dev 1.846e+09

pull1D
Entries 85
Mean 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
χ^2 / ndf 5.432e+37 / 84
p0 2620 ± 1.085e−16
4000
3000
2000
1000
0
pull
Entries 85
Mean 2.628e+09
Std Dev 2.628e+09
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_Ndata_mean vs run

dit_sam1_coil7_mean vs run
χ² / ndf 3.977e+35 / 84
p0 −113.6 ± 1.085e−16
pull
Entries 85
Mean −6.721e+09
Std Dev 6.721e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam1_coil7_err_mean vs run
χ^2 / ndf 5.91e+34 / 84
p0 85.13 ± 1.085e−16
pull
Entries 85
Mean 8.077e+08
Std Dev 8.077e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_mean vs run
χ² / ndf 1.874e+38 / 84
p0 –5480 ± 1.085e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
pull
Entries 85
Mean 1.744e+09
Std Dev 1.744e+09
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
pull1D
Entries 85
Mean 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 8.772e+36 / 84
p0 889.1± 1.085e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 85
Mean −8.961e+07
Std Dev 8.961e+07
×10¹⁵
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 85
Mean 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
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 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 9.749e+37 / 84
p0 –4188 ± 1.085e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 85
Mean 1.755e+09
Std Dev 1.755e+09
×10¹⁵
4000
3000
2000
1000
0
pull1D
Entries 85
Mean 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 4.005e+36 / 84
p0 532.5 ± 1.085e−16
1200
1000
800
600
400
200
0
pull
Entries 85
Mean −2.482e+08
Std Dev 2.482e+08
×10¹⁵
600
400
200
0
−200
−400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil7_mean vs run
χ² / ndf inf / 84
p0 –8843 ± 1.085e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 85
Mean 3.717e+09
Std Dev 3.717e+09
×10¹⁵
8000
6000
4000
2000
0
pull1D
Entries 85
Mean 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 1.121e+37 / 84
p0 900.1± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −2.144e+08
Std Dev 2.144e+08
×10¹⁵
1000
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 85
Mean 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 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 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
χ^2 / ndf 1.035e+37 / 84
p0 −1244 ± 1.085e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 85
Mean 1.85e+09
Std Dev 1.85e+09
×10^15
1200
1000
800
600
400
200
0
−200

pull1D
Entries 85
Mean 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 3.124e+35 / 84
p0 201.9 ± 1.085e−16
300
250
200
150
100
50
0
pull
Entries 85
Mean 3.65e+09
Std Dev 3.65e+09
×10¹⁵
50
0
−50
−100
−150
−200

pull1D
Entries 85
Mean 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 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 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 1.324e+37 / 84
p0 1138 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.452e+08
Std Dev 4.452e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_err_mean vs run
χ² / ndf 1.17e+36 / 84
p0 331.6 ± 1.085e−16
pull
Entries 85
Mean −3.042e+08
Std Dev 3.042e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam6_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_mean vs run
χ^2 / ndf 1.357e+37 / 84
p0 –1556 ± 1.085e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
–1600
–1800
pull
Entries 85
Mean 2.497e+09
Std Dev 2.497e+09
$\times 10^{15}$
1600
1400
1200
1000
800
600
400
200
0
–200

pull1D
Entries 85
Mean 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 3.466e+35 / 84
p0 173.3 ± 1.085e−16
pull
Entries 85
Mean 3.126e+08
Std Dev 3.126e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_mean vs run
χ^2 / ndf 7.664e+36 / 84
p0 –1171 ± 1.085e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 85
Mean 4.99e+09
Std Dev 4.99e+09
×10^15
1200
1000
800
600
400
200
0
–200

pull1D
Entries 85
Mean 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 2.383e+35 / 84
p0 136.2 ± 1.085e−16
pull
Entries 85
Mean 1.835e+08
Std Dev 1.835e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 2.193e+37 / 84
p0 1263 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −4.068e+08
Std Dev 4.068e+08
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil4_mean vs run

dit_4aX_coil4_err_mean vs run

dit_4aX_coil4_Ndata_mean vs run

dit_4eX_coil4_mean vs run
χ^2 / ndf 2.507e+32 / 84
p0 3.991± 1.085e−16
pull
Entries 85
Mean 4.048e+07
Std Dev 4.048e+07
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eX_coil4_err_mean vs run

dit_4eX_coil4_Ndata_mean vs run

dit_11X12X_coil4_mean vs run

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ^2 / ndf 1.547e+35 / 84
p0 170.7 ± 1.085e−16
200
150
100
50
0
pull
Entries 85
Mean −1.661e+09
Std Dev 1.661e+09
×10^15
20
0
−20
−40
−60
−80
−100
−120
−140
−160
pull1D
Entries 85
Mean 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
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_mean vs run
χ^2 / ndf 1.701e+35 / 84
p0 178.9 ± 1.085e−16
200
150
100
50
0
pull
Entries 85
Mean −2.203e+09
Std Dev 2.203e+09
×10^15
20
0
−20
−40
−60
−80
−100
−120
−140
−160
−180
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_err_mean vs run
χ² / ndf 7.099e+30 / 84
p0 0.9435 ± 1.085e−16
pull
Entries 85
Mean 1.487e+08
Std Dev 1.487e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ^2 / ndf 9.486e+37 / 84
p0 4177 ± 1.085e−16
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean −2.683e+09
Std Dev 2.683e+09
×10^15
0
−1000
−2000
−3000
−4000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_err_mean vs run
χ² / ndf 1.129e+36 / 84
p0 348.2 ± 1.085e−16
pull
Entries 85
Mean −4.314e+07
Std Dev 4.314e+07

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_mean vs run
χ^2 / ndf 7.264e+37 / 84
p0 3615 ± 1.085e−16
4000
3000
2000
1000
0
pull
Entries 85
Mean −1.032e+09
Std Dev 1.032e+09
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

pull1D
Entries 85
Mean 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 8.91e+35 / 84
p0 342.5 ± 1.085e−16
500
400
300
200
100
0
pull
Entries 85
Mean −2.721e+08
Std Dev 2.721e+08
×10¹⁵
200
100
0
−100
−200
−300
pull1D
Entries 85
Mean 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
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil4_mean vs run
χ^2 / ndf 1.082e+37 / 84
p0 −757.2 ± 1.085e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 85
Mean −3.231e+08
Std Dev 3.231e+08
×10^15
800
600
400
200
0
−200
−400
−600
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil4_err_mean vs run
χ² / ndf 9.09e+35 / 84
p0 327.3 ± 1.085e−16
pull
Entries 85
Mean 5.828e+08
Std Dev 5.828e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ² / ndf inf / 84
p0 3.1e+04 ± 1.085e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean 1.389e+09
Std Dev 1.389e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil4_err_mean vs run
χ² / ndf 3.81e+37 / 84
p0 2017 ± 1.085e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 85
Mean −5.369e+08
Std Dev 5.369e+08
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000

pull1D
Entries 85
Mean 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
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_mean vs run
χ^2 / ndf 1.645e+37 / 84
p0 –1452 ± 1.085e–16
0
–500
–1000
–1500
–2000
pull
Entries 85
Mean –1.548e+10
Std Dev 1.548e+10
×10^15
1500
1000
500
0
–500
pull1D
Entries 85
Mean 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

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ² / ndf inf / 84
p0 2.714e+04 ± 1.085e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean −1.22e+09
Std Dev 1.22e+09
×10¹⁸
0
−5
−10
−15
−20
−25
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_err_mean vs run
χ² / ndf 2.873e+37 / 84
p0 1817 ± 1.085e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 85
Mean 1.106e+08
Std Dev 1.106e+08
×10¹⁵
1000
500
0
−500
−1000
−1500

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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_mean vs run
χ² / ndf 2.845e+38 / 84
p0 −7313 ± 1.085e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
−8000
pull
Entries 85
Mean 8.343e+09
Std Dev 8.343e+09
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
pull1D
Entries 85
Mean 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
χ^2 / ndf 2.699e+34 / 84
p0 58.75 ± 1.085e−16
pull
Entries 85
Mean −6.677e+08
Std Dev 6.677e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_mean vs run

dit_sam2_coil4_err_mean vs run
χ^2 / ndf 2.983e+36 / 84
p0 609.6 ± 1.085e−16
800
600
400
200
0
pull
Entries 85
Mean −3.017e+08
Std Dev 3.017e+08
300
200
100
0
−100
−200
−300
−400
−500
−600

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_mean vs run
χ^2 / ndf 7.58e+37 / 84
p0 3732 ± 1.085e−16
4000
3000
2000
1000
0
pull
Entries 85
Mean 1.435e+10
Std Dev 1.435e+10
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

pull1D
Entries 85
Mean 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 1.056e+36 / 84
p0 365.1± 1.085e−16
pull
Entries 85
Mean −2.844e+08
Std Dev 2.844e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_mean vs run
χ² / ndf inf / 84
p0 4.198e+04 ± 1.085e−16
40000
30000
20000
10000
0
pull
Entries 85
Mean 6.831e+08
Std Dev 6.831e+08

pull1D
Entries 85
Mean 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 2.998e+36 / 84
p0 612.4 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 1.444e+08
Std Dev 1.444e+08
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil4_mean vs run
χ² / ndf inf / 84
p0 2.625e+04 ± 1.085e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 85
Mean −8.773e+08
Std Dev 8.773e+08
×10¹⁸
0
−5
−10
−15
−20
−25

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.614e+35 / 84
p0 142.6 ± 1.085e−16
pull
Entries 85
Mean −2.755e+08
Std Dev 2.755e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil4_mean vs run
χ² / ndf inf / 84
p0 2.065e+04 ± 1.085e−16
20000
15000
10000
5000
0
pull
Entries 85
Mean 9.138e+08
Std Dev 9.138e+08
×10¹⁸
0
−5
−10
−15
−20

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil4_err_mean vs run
χ² / ndf 3.908e+35 / 84
p0 224 ± 1.085e−16
pull
Entries 85
Mean 1.268e+09
Std Dev 1.268e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_mean vs run
χ² / ndf 1.071e+37 / 84
p0 −1395 ± 1.085e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull
Entries 85
Mean −1.109e+09
Std Dev 1.109e+09
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
pull1D
Entries 85
Mean 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 1.13e+35 / 84
p0 121.4 ± 1.085e−16
pull
Entries 85
Mean 7.271e+08
Std Dev 7.271e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_mean vs run
χ² / ndf 6.693e+36 / 84
p0 1094 ± 1.085e−16
1200
1000
800
600
400
200
0
pull
Entries 85
Mean −4.73e+08
Std Dev 4.73e+08
×10¹⁵
200
0
−200
−400
−600
−800
−1000

pull1D
Entries 85
Mean 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 6.912e+34 / 84
p0 92.75 ± 1.085e−16
140
120
100
80
60
40
20
0
pull
Entries 85
Mean 6.447e+08
Std Dev 6.447e+08
×10¹⁵
40
20
0
−20
−40
−60
−80

pull1D
Entries 85
Mean 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_Ndata_mean vs run
χ² / ndf 2.443e+37 / 84
p0 1351± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean 7.887e+08
Std Dev 7.887e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil6_mean vs run
χ^2 / ndf 6.39e+31 / 84
p0 2.879 ± 1.085e−16
pull
Entries 85
Mean −8.118e+08
Std Dev 8.118e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aX_coil6_err_mean vs run

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil6_mean vs run
χ^2 / ndf 4.212e+31 / 84
p0 1.974 ± 1.085e−16
pull
Entries 85
Mean −1.339e+09
Std Dev 1.339e+09
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil6_mean vs run

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ^2 / ndf 6.26e+33 / 84
p0 34.32 ± 1.085e−16
40
35
30
25
20
15
10
5
0
pull
Entries 85
Mean 2.571e+09
Std Dev 2.571e+09
×10^15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 85
Mean 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
χ² / ndf 1.038e+30 / 84
p0 0.3123 ± 1.085e−16
pull
Entries 85
Mean 5.012e+08
Std Dev 5.012e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil6_mean vs run

dit_4eY_coil6_err_mean vs run

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_mean vs run
χ² / ndf 7.765e+36 / 84
p0 −1197 ± 1.085e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 85
Mean −8.833e+10
Std Dev 8.833e+10
×10¹⁵
1200
1000
800
600
400
200
0
−200
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_err_mean vs run
χ² / ndf 1.127e+35 / 84
p0 110.7 ± 1.085e−16
pull
Entries 85
Mean −8.446e+08
Std Dev 8.446e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 3.346e+36 / 84
p0 −711.2 ± 1.085e−16
0
−200
−400
−600
−800
−1000
pull
Entries 85
Mean 1.304e+10
Std Dev 1.304e+10
×10¹⁵
600
400
200
0
−200

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_err_mean vs run
χ² / ndf 8.931e+34 / 84
p0 108.9 ± 1.085e−16
pull
Entries 85
Mean 1.003e+09
Std Dev 1.003e+09

pull1D
Entries 85
Mean 0
Std Dev 0

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 3.471e+36 / 84
p0 706.1± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 4.29e+08
Std Dev 4.29e+08
×10¹⁵
200
0
−200
−400
−600

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_err_mean vs run
χ² / ndf 9.835e+34 / 84
p0 105.9 ± 1.085e−16
pull
Entries 85
Mean 3.225e+08
Std Dev 3.225e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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

dit_atl2_coil6_err_mean vs run
χ² / ndf 3.615e+36 / 84
p0 645.7 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean −2.4e+09
Std Dev 2.4e+09
400
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 4.462e+36 / 84
p0 839.9 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean −5.802e+08
Std Dev 5.802e+08
×10¹⁵
200
0
−200
−400
−600
−800

pull1D
Entries 85
Mean 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
χ^2 / ndf 1.446e+35 / 84
p0 117.5 ± 1.085e−16
200
150
100
50
0
pull
Entries 85
Mean −5.381e+08
Std Dev 5.381e+08
100
50
0
−50
−100

pull1D
Entries 85
Mean 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_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 2.753e+38 / 84
p0 –6945 ± 1.085e–16
pull
Entries 85
Mean 6.831e+08
Std Dev 6.831e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_atr2_coil6_err_mean vs run
χ^2 / ndf 2.694e+36 / 84
p0 580.6 ± 1.085e−16
1000
800
600
400
200
0
pull
Entries 85
Mean 6.87e+08
Std Dev 6.87e+08
×10^15
200
0
−200
−400
−600

pull1D
Entries 85
Mean 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_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_mean vs run

dit_sam1_coil6_err_mean vs run
χ² / ndf 3.721e+33 / 84
p0 19.32 ± 1.085e−16
pull
Entries 85
Mean 2.906e+07
Std Dev 2.906e+07

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_mean vs run
χ² / ndf 1.964e+38 / 84
p0 6049 ± 1.085e−16
7000
6000
5000
4000
3000
2000
1000
0
pull
Entries 85
Mean −2.585e+09
Std Dev 2.585e+09
1000
0
−1000
−2000
−3000
−4000
−5000
−6000

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_err_mean vs run
χ² / ndf 3.942e+35 / 84
p0 195.4 ± 1.085e−16
pull
Entries 85
Mean −1.465e+08
Std Dev 1.465e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam2_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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
χ^2 / ndf 9.091e+36 / 84
p0 –1291 ± 1.085e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 85
Mean –9.303e+08
Std Dev 9.303e+08
×10^15
1200
1000
800
600
400
200
0
–200

pull1D
Entries 85
Mean 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

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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

dit_sam4_coil6_err_mean vs run
χ² / ndf 3.494e+35 / 84
p0 191.8 ± 1.085e−16
pull
Entries 85
Mean 5.646e+08
Std Dev 5.646e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil6_mean vs run
χ² / ndf 2.458e+37 / 84
p0 −2146 ± 1.085e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 85
Mean −6.089e+09
Std Dev 6.089e+09
×10¹⁵
2000
1500
1000
500
0
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil6_err_mean vs run
χ² / ndf 2.074e+34 / 84
p0 43.98 ± 1.085e−16
pull
Entries 85
Mean −1.261e+08
Std Dev 1.261e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 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 2.202e+37 / 84
p0 −2013 ± 1.085e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 85
Mean −3.579e+09
Std Dev 3.579e+09
×10¹⁵
2000
1500
1000
500
0
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_err_mean vs run
χ² / ndf 4.548e+34 / 84
p0 70.57 ± 1.085e−16
pull
Entries 85
Mean 1.276e+08
Std Dev 1.276e+08
pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_mean vs run
χ² / ndf 1.854e+36 / 84
p0 582.7 ± 1.085e−16
700
600
500
400
300
200
100
0
pull
Entries 85
Mean 5.552e+08
Std Dev 5.552e+08
×10¹⁵
100
0
−100
−200
−300
−400
−500
−600

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.51e+34 / 84
p0 37.7 ± 1.085e−16
pull
Entries 85
Mean −4.445e+08
Std Dev 4.445e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_mean vs run
χ² / ndf 5.503e+37 / 84
p0 –3218 ± 1.085e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
pull
Entries 85
Mean 0
Std Dev 0
×10¹⁵
3000
2500
2000
1500
1000
500
0
pull1D
Entries 85
Mean 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
χ^2 / ndf 9.714e+33 / 84
p0 30.88 ± 1.085e−16
pull
Entries 85
Mean 1.594e+08
Std Dev 1.594e+08

pull1D
Entries 85
Mean 0
Std Dev 0

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 2.751e+37 / 84
p0 1347 ± 1.085e−16
2000
1500
1000
500
0
pull
Entries 85
Mean −5.728e+08
Std Dev 5.728e+08
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_mean vs run
χ^2 / ndf 2.255e+08 / 84
p0 6515 ± 177.7
7000
6000
5000
4000
3000
2000
1000
0

pull1D
Entries 85
Mean 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 2.255e+08 / 84
p0 6515 ± 177.7
7000
6000
5000
4000
3000
2000
1000
0

dit_slug_slope vs run
χ^2 / ndf 6.866e−26 / 84
p0 153 ± 3.101e−15
154
153.8
153.6
153.4
153.2
153

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_cyclenum_mean vs run
χ^2 / ndf 2.518e+08 / 84
p0 6885 ± 187.8
8000
7000
6000
5000
4000
3000
2000
1000
0

pull1D
Entries 85
Mean 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 2.518e+08 / 84
p0 6885 ± 187.8
8000
7000
6000
5000
4000
3000
2000
1000
0

dit_scandata1_mean vs run
χ^2 / ndf 0 / 84
p0 0 ± 0.1085
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 84
p0 0 ± 0.1085
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 4.706 / 84
p0 0.9412 ± 0.02567
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 1.048e−30 / 84
p0 1 ± 1.211e−17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 7.717 / 84
p0 −2.958 ± 0.3978
pull
Entries 85
Mean −203.4
Std Dev 235.4

pull1D
Entries 85
Mean −0.004386
Std Dev 0.3013

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 11.3 / 84
p0 −53.11 ± 0.2755
pull
Entries 85
Mean 3112
Std Dev 3073

pull1D
Entries 85
Mean 0.001659
Std Dev 0.3646

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 8.115 / 84
p0 −10.95 ± 0.369
pull
Entries 85
Mean −259.7
Std Dev 295.9
pull1D
Entries 85
Mean 0.004101
Std Dev 0.309

reg_asym_sam1_diff_bpm4eY_slope vs run
χ2 / ndf 13.27 / 84
p0 12.6 ± 0.312
pull
Entries 85
Mean 2009
Std Dev 1968

pull1D
Entries 85
Mean −0.002641
Std Dev 0.3951

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 31.6 / 84
p0 0.5106 ± 0.01319
pull
Entries 85
Mean −797.1
Std Dev 834.2

pull1D
Entries 85
Mean 0.006817
Std Dev 0.6097

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 3.872 / 84
p0 −38.53 ± 2.652
pull
Entries 85
Mean −181
Std Dev 215.7

pull1D
Entries 85
Mean 0.006431
Std Dev 0.2133

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 7.608 / 84
p0 −34.51 ± 1.821
pull
Entries 85
Mean −18.36
Std Dev 48.35

pull1D
Entries 85
Mean −0.0309
Std Dev 0.2976

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 4.851 / 84
p0 −159.1 ± 2.46
pull
Entries 85
Mean −86.4
Std Dev 112.1

pull1D
Entries 85
Mean −0.00938
Std Dev 0.2387

reg_asym_sam2_diff_bpm4eY_slope vs run
χ2 / ndf 6.385 / 84
p0 −144.1± 2.067
pull
Entries 85
Mean −158.9
Std Dev 196.3

pull1D
Entries 85
Mean 0.01468
Std Dev 0.2737

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 12.08 / 84
p0 1.952 ± 0.08803
pull
Entries 85
Mean 2491
Std Dev 2452

pull1D
Entries 85
Mean −0.002243
Std Dev 0.377

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 6.785 / 84
p0 −35.17 ± 1.323
pull
Entries 85
Mean 982.5
Std Dev 934.9
pull1D
Entries 85
Mean 0.0043
Std Dev 0.2825

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 1.157 / 84
p0 −5.31 ± 0.9075
pull
Entries 85
Mean −5164
Std Dev 5210

pull1D
Entries 85
Mean 0.0002465
Std Dev 0.1167

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 9.698 / 84
p0 −74.92 ± 1.227
pull
Entries 85
Mean 478.5
Std Dev 428.8

pull1D
Entries 85
Mean −0.009447
Std Dev 0.3376

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 1.525 / 84
p0 28.12 ± 1.031
pull
Entries 85
Mean −1237
Std Dev 1283

pull1D
Entries 85
Mean −0.001279
Std Dev 0.134

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 2.045 / 84
p0 0.08357 ± 0.04389
pull
Entries 85
Mean 7767
Std Dev 7726

pull1D
Entries 85
Mean 0.0002186
Std Dev 0.1551

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 5.196 / 84
p0 −62.54 ± 2.998
pull
Entries 85
Mean −3281
Std Dev 3328
pull1D
Entries 85
Mean −0.001201
Std Dev 0.2472

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 3.844 / 84
p0 25.93 ± 2.063
pull
Entries 85
Mean −235.2
Std Dev 277.8

pull1D
Entries 85
Mean 0.01096
Std Dev 0.2124

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 5.296 / 84
p0 −124.1 ± 2.781
pull
Entries 85
Mean −1.518e+04
Std Dev 1.523e+04

pull1D
Entries 85
Mean 0.0002605
Std Dev 0.2496

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 6.361 / 84
p0 195.3 ± 2.342
pull
Entries 85
Mean −1495
Std Dev 1538

pull1D
Entries 85
Mean −0.00301
Std Dev 0.2735

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 8.121 / 84
p0 −1.353 ± 0.09945
pull
Entries 85
Mean 993.3
Std Dev 953.4

pull1D
Entries 85
Mean 0.005464
Std Dev 0.309

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 5.789 / 84
p0 −4.759 ± 1.162
pull
Entries 85
Mean −797.4
Std Dev 841.7

pull1D
Entries 85
Mean −0.005274
Std Dev 0.2609

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 7.52 / 84
p0 56.27 ± 0.8028
pull
Entries 85
Mean −217.9
Std Dev 257.6

pull1D
Entries 85
Mean 0.01519
Std Dev 0.2971

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 5.94 / 84
p0 13.81 ± 1.078
pull
Entries 85
Mean −735.4
Std Dev 779.2

pull1D
Entries 85
Mean 0.00577
Std Dev 0.2643

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 84
p0 82.97 ± 0.91
pull
Entries 85
Mean −608.4
Std Dev 647.9

pull1D
Entries 85
Mean −0.009364
Std Dev 0.3666

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 19.96 / 84
p0 −0.6133 ± 0.03856
pull
Entries 85
Mean −1725
Std Dev 1764
pull1D
Entries 85
Mean −0.004693
Std Dev 0.4846

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 4.303 / 84
p0 15.39 ± 1.155
pull
Entries 85
Mean −600.5
Std Dev 641.5

pull1D
Entries 85
Mean −0.003817
Std Dev 0.225

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 12.09 / 84
p0 43.08 ± 0.7954
pull
Entries 85
Mean −42.19
Std Dev 72.67

pull1D
Entries 85
Mean 0.03251
Std Dev 0.3758

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 5.069 / 84
p0 52.45 ± 1.071
pull
Entries 85
Mean −468
Std Dev 512.2

pull1D
Entries 85
Mean 0.003613
Std Dev 0.2442

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 15.1 / 84
p0 65.5 ± 0.9023
pull
Entries 85
Mean −180.2
Std Dev 214.1

pull1D
Entries 85
Mean −0.02179
Std Dev 0.4209

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 20.13 / 84
p0 −0.5812 ± 0.03831
pull
Entries 85
Mean −2649
Std Dev 2687

pull1D
Entries 85
Mean −0.002545
Std Dev 0.4866

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 7.861 / 84
p0 12.97 ± 0.4819
pull
Entries 85
Mean −39.99
Std Dev 21.47

pull1D
Entries 85
Mean 0.009074
Std Dev 0.304

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 3.975 / 84
p0 8.619 ± 0.3307
pull
Entries 85
Mean −15.99
Std Dev 21.64

pull1D
Entries 85
Mean 0.0107
Std Dev 0.216

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 9.315 / 84
p0 −52.02 ± 0.447
pull
Entries 85
Mean −0.8889
Std Dev 64.43

pull1D
Entries 85
Mean −0.01149
Std Dev 0.3308

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 4.836 / 84
p0 −15.33 ± 0.3756
pull
Entries 85
Mean −89.68
Std Dev 117.9
pull1D
Entries 85
Mean −0.008655
Std Dev 0.2384

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 9.347 / 84
p0 0.3784 ± 0.01599
pull
Entries 85
Mean 575.9
Std Dev 523.5

pull1D
Entries 85
Mean −0.004646
Std Dev 0.3316

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 12.58 / 84
p0 6.679 ± 0.3801
pull
Entries 85
Mean 1395
Std Dev 1349

pull1D
Entries 85
Mean 0.004258
Std Dev 0.3847

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 24.08 / 84
p0 −38.28 ± 0.2611
pull
Entries 85
Mean 59.25
Std Dev 20.2
pull1D
Entries 85
Mean 0.0629
Std Dev 0.5285

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 14.83 / 84
p0 −36.56 ± 0.3526
pull
Entries 85
Mean 1304
Std Dev 1260

pull1D
Entries 85
Mean −0.005339
Std Dev 0.4176

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 16.85 / 84
p0 41.06 ± 0.2965
pull
Entries 85
Mean 4.031
Std Dev 21.09

pull1D
Entries 85
Mean −0.03673
Std Dev 0.4437

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 7.064 / 84
p0 0.1596 ± 0.0126
pull
Entries 85
Mean 426.3
Std Dev 399.4

pull1D
Entries 85
Mean 0.003954
Std Dev 0.2882

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 28.14 / 84
p0 −79.01 ± 2.423
pull
Entries 85
Mean 347
Std Dev 282.7
pull1D
Entries 85
Mean 0.004914
Std Dev 0.5754

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 25.6 / 84
p0 −0.03177 ± 1.669
pull
Entries 85
Mean −428.3
Std Dev 464.7

pull1D
Entries 85
Mean −0.004459
Std Dev 0.5488

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 28.18 / 84
p0 14.66 ± 2.248
pull
Entries 85
Mean 335.2
Std Dev 272.1

pull1D
Entries 85
Mean −0.005233
Std Dev 0.5757

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.29 / 84
p0 23.56 ± 1.893
pull
Entries 85
Mean −220
Std Dev 253.4

pull1D
Entries 85
Mean 0.01058
Std Dev 0.5666

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 82.12 / 84
p0 −40.98 ± 0.08055
pull
Entries 85
Mean −437.4
Std Dev 481.4
pull1D
Entries 85
Mean −0.01129
Std Dev 0.9828

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 27.44 / 84
p0 −68.43 ± 2.298
pull
Entries 85
Mean −87.12
Std Dev 119.8
pull1D
Entries 85
Mean 0.01054
Std Dev 0.568

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 30.96 / 84
p0 1.806 ± 1.581
pull
Entries 85
Mean 17.81
Std Dev 28.4

pull1D
Entries 85
Mean 0.01195
Std Dev 0.6034

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 26.76 / 84
p0 124 ± 2.131
pull
Entries 85
Mean −90.04
Std Dev 121.9

pull1D
Entries 85
Mean −0.01156
Std Dev 0.561

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 29.26 / 84
p0 16.23 ± 1.794
pull
Entries 85
Mean 243.6
Std Dev 207.3

pull1D
Entries 85
Mean −0.004227
Std Dev 0.5867

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 33.3 / 84
p0 −38.25 ± 0.07638
pull
Entries 85
Mean −529.1
Std Dev 581.1
pull1D
Entries 85
Mean −0.002311
Std Dev 0.6259

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 82.16 / 84
p0 −0.198 ± 0.1197
pull
Entries 85
Mean 1547
Std Dev 1502
pull1D
Entries 85
Mean 0.003012
Std Dev 0.9832

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 70.05 / 84
p0 −0.07087 ± 0.08279
pull
Entries 85
Mean 97.97
Std Dev 55.32

pull1D
Entries 85
Mean −0.01705
Std Dev 0.9077

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 81.86 / 84
p0 0.1684 ± 0.1111
pull
Entries 85
Mean 1051
Std Dev 1005
pull1D
Entries 85
Mean −0.004438
Std Dev 0.9813

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 64.74 / 84
p0 0.09749 ± 0.0938
pull
Entries 85
Mean 96.52
Std Dev 62.69

pull1D
Entries 85
Mean 0.007229
Std Dev 0.8727

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 68.7 / 84
p0 −0.006183 ± 0.003967
pull
Entries 85
Mean −310.7
Std Dev 346.3
pull1D
Entries 85
Mean 0.006042
Std Dev 0.899

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 86.63 / 84
p0 0.1497 ± 0.1656
pull
Entries 85
Mean −81.08
Std Dev 115.5
pull1D
Entries 85
Mean 0.006597
Std Dev 1.01

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 69.44 / 84
p0 −0.07119 ± 0.1145
pull
Entries 85
Mean −59.5
Std Dev 121
pull1D
Entries 85
Mean −0.01464
Std Dev 0.9037

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 85.18 / 84
p0 −0.1537 ± 0.1537
pull
Entries 85
Mean −81.37
Std Dev 117

pull1D
Entries 85
Mean −0.007331
Std Dev 1.001

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 71.02 / 84
p0 0.08797 ± 0.1297
pull
Entries 85
Mean −81.98
Std Dev 141.1
pull1D
Entries 85
Mean 0.01658
Std Dev 0.9139

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 81.98 / 84
p0 0.008241 ± 0.005488
pull
Entries 85
Mean −140.2
Std Dev 187.4

pull1D
Entries 85
Mean 0.01461
Std Dev 0.982

reg_asym_us_avg_diff_bpm1X_slope vs run
χ^2 / ndf 19.27 / 84
p0 −73.78 ± 2.04
pull
Entries 85
Mean 54.17
Std Dev 69.77

pull1D
Entries 85
Mean 0.0106
Std Dev 0.4761

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.08 / 84
p0 0.9172 ± 1.404
pull
Entries 85
Mean 388.4
Std Dev 353.9

pull1D
Entries 85
Mean 0.003073
Std Dev 0.498

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 19.02 / 84
p0 69.37 ± 1.892
pull
Entries 85
Mean 47.17
Std Dev 69.22

pull1D
Entries 85
Mean −0.0114
Std Dev 0.4729

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 21.95 / 84
p0 19.83 ± 1.593
pull
Entries 85
Mean −307.8
Std Dev 341.3

pull1D
Entries 85
Mean 0.005978
Std Dev 0.5081

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 57.04 / 84
p0 −39.62 ± 0.06789
pull
Entries 85
Mean −358.5
Std Dev 404
pull1D
Entries 85
Mean −0.009824
Std Dev 0.8191

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 54.27 / 84
p0 −5.38 ± 1.18
pull
Entries 85
Mean −2152
Std Dev 2201

pull1D
Entries 85
Mean −0.001323
Std Dev 0.7991

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 50.14 / 84
p0 −1.053 ± 0.8139
pull
Entries 85
Mean −268.4
Std Dev 307.6
pull1D
Entries 85
Mean −0.00802
Std Dev 0.768

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 53.73 / 84
p0 −54.55 ± 1.095
pull
Entries 85
Mean −2726
Std Dev 2773

pull1D
Entries 85
Mean 0.001121
Std Dev 0.7951

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 48.3 / 84
p0 3.804 ± 0.9229
pull
Entries 85
Mean −243.2
Std Dev 277.5
pull1D
Entries 85
Mean 0.007231
Std Dev 0.7538

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 64.89 / 84
p0 −1.374 ± 0.03911
pull
Entries 85
Mean 1555
Std Dev 1513
pull1D
Entries 85
Mean 0.00284
Std Dev 0.8737

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 96.59 / 84
p0 −0.02385 ± 0.1022
pull
Entries 85
Mean 330.6
Std Dev 282
pull1D
Entries 85
Mean 0.006911
Std Dev 1.066

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.83 / 84
p0 −0.0724 ± 0.07069
pull
Entries 85
Mean 11.45
Std Dev 58.64
pull1D
Entries 85
Mean −0.0209
Std Dev 0.9869

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 97.07 / 84
p0 0.007351 ± 0.09485
pull
Entries 85
Mean 263.8
Std Dev 214.8

pull1D
Entries 85
Mean −0.0085
Std Dev 1.069

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.99 / 84
p0 0.09447 ± 0.08009
pull
Entries 85
Mean −44.16
Std Dev 107

pull1D
Entries 85
Mean 0.01655
Std Dev 0.976

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 73.12 / 84
p0 0.001099 ± 0.003388
pull
Entries 85
Mean −195.3
Std Dev 238.2
pull1D
Entries 85
Mean 0.01428
Std Dev 0.9274

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 73.87 / 84
p0 −0.1739 ± 0.1021
pull
Entries 85
Mean −869.6
Std Dev 912.8

pull1D
Entries 85
Mean −0.00362
Std Dev 0.9322

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.65 / 84
p0 0.0016 ± 0.07061
pull
Entries 85
Mean −2319
Std Dev 2376

pull1D
Entries 85
Mean 0.0007416
Std Dev 0.8164

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.19 / 84
p0 0.1609 ± 0.09475
pull
Entries 85
Mean −927.7
Std Dev 970.9
pull1D
Entries 85
Mean 0.003446
Std Dev 0.9152

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.86 / 84
p0 0.003834 ± 0.08
pull
Entries 85
Mean −178.6
Std Dev 235.2
pull1D
Entries 85
Mean −0.008559
Std Dev 0.8179

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 81.64 / 84
p0 −0.007248 ± 0.003384
pull
Entries 85
Mean −77.01
Std Dev 138.7
pull1D
Entries 85
Mean −0.007777
Std Dev 0.98

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 28.97 / 84
p0 −39.6 ± 1.214
pull
Entries 85
Mean 409.5
Std Dev 347.8

pull1D
Entries 85
Mean 0.004678
Std Dev 0.5838

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.05 / 84
p0 −0.04801 ± 0.8359
pull
Entries 85
Mean −332.4
Std Dev 368.6

pull1D
Entries 85
Mean −0.005467
Std Dev 0.5535

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 28.92 / 84
p0 7.408 ± 1.126
pull
Entries 85
Mean 387.5
Std Dev 326.8

pull1D
Entries 85
Mean −0.005072
Std Dev 0.5833

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 27.93 / 84
p0 11.83 ± 0.948
pull
Entries 85
Mean −205.5
Std Dev 238.9

pull1D
Entries 85
Mean 0.0111
Std Dev 0.5731

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 81.89 / 84
p0 −20.49 ± 0.04034
pull
Entries 85
Mean −433.1
Std Dev 477.2
pull1D
Entries 85
Mean −0.01117
Std Dev 0.9815

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 27.57 / 84
p0 −39.42 ± 1.213
pull
Entries 85
Mean 290.2
Std Dev 222.2

pull1D
Entries 85
Mean 0.005135
Std Dev 0.5695

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.36 / 84
p0 0.01614 ± 0.8354
pull
Entries 85
Mean −581.5
Std Dev 618.1

pull1D
Entries 85
Mean −0.003437
Std Dev 0.5462

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 27.69 / 84
p0 7.256 ± 1.125
pull
Entries 85
Mean 285.9
Std Dev 219.4

pull1D
Entries 85
Mean −0.005379
Std Dev 0.5707

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 26.83 / 84
p0 11.74 ± 0.9474
pull
Entries 85
Mean −236.5
Std Dev 270

pull1D
Entries 85
Mean 0.01001
Std Dev 0.5617

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 82.26 / 84
p0 −20.49 ± 0.04031
pull
Entries 85
Mean −443.3
Std Dev 487.2
pull1D
Entries 85
Mean −0.01135
Std Dev 0.9837

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 29.69 / 84
p0 −34.13 ± 1.152
pull
Entries 85
Mean −88.64
Std Dev 121.3

pull1D
Entries 85
Mean 0.01079
Std Dev 0.5909

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 31.3 / 84
p0 0.8694 ± 0.7925
pull
Entries 85
Mean 24.83
Std Dev 11.71

pull1D
Entries 85
Mean 0.01079
Std Dev 0.6067

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 29.21 / 84
p0 61.9 ± 1.068
pull
Entries 85
Mean −91.54
Std Dev 123.5

pull1D
Entries 85
Mean −0.01184
Std Dev 0.5861

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.39 / 84
p0 8.157 ± 0.899
pull
Entries 85
Mean 391.6
Std Dev 352

pull1D
Entries 85
Mean −0.002847
Std Dev 0.588

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 33.86 / 84
p0 −19.12 ± 0.03828
pull
Entries 85
Mean −1214
Std Dev 1267

pull1D
Entries 85
Mean −0.0008958
Std Dev 0.6312

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 25.79 / 84
p0 −34.29 ± 1.152
pull
Entries 85
Mean −85.67
Std Dev 118.3

pull1D
Entries 85
Mean 0.01023
Std Dev 0.5507

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 31.02 / 84
p0 0.9371 ± 0.7929
pull
Entries 85
Mean 11.92
Std Dev 37.98

pull1D
Entries 85
Mean 0.01303
Std Dev 0.604

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 24.91 / 84
p0 62.06 ± 1.069
pull
Entries 85
Mean −88.69
Std Dev 120.4

pull1D
Entries 85
Mean −0.0112
Std Dev 0.5412

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 29.56 / 84
p0 8.076 ± 0.8994
pull
Entries 85
Mean 168
Std Dev 136.1
pull1D
Entries 85
Mean −0.005593
Std Dev 0.5897

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 33.26 / 84
p0 −19.13 ± 0.0383
−18
−18.5
−19
−19.5
−20
pull
Entries 85
Mean −362.7
Std Dev 414.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean −0.003725
Std Dev 0.6255
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 11.66 / 84
p0 −3.868 ± 0.4081
pull
Entries 85
Mean −777.1
Std Dev 820.5
pull1D
Entries 85
Mean −0.008393
Std Dev 0.3703

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.23 / 84
p0 1.441 ± 0.3786
pull
Entries 85
Mean −754
Std Dev 797.3

pull1D
Entries 85
Mean 0.008842
Std Dev 0.3792

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.26 / 84
p0 47.78 ± 0.3193
pull
Entries 85
Mean −395.2
Std Dev 434.3

pull1D
Entries 85
Mean −0.01403
Std Dev 0.4372

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 22.05 / 84
p0 −0.05173 ± 0.01354
pull
Entries 85
Mean −5174
Std Dev 5215
pull1D
Entries 85
Mean −0.001736
Std Dev 0.5093

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 4.395 / 84
p0 0.8984 ± 0.7665
pull
Entries 85
Mean −975.5
Std Dev 1021
pull1D
Entries 85
Mean 0.00301
Std Dev 0.2274

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.969 / 84
p0 −54.7 ± 0.53
pull
Entries 85
Mean −357.7
Std Dev 397.1

pull1D
Entries 85
Mean −0.01079
Std Dev 0.2861

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.469 / 84
p0 −12.38 ± 0.711
pull
Entries 85
Mean −840.3
Std Dev 884.9

pull1D
Entries 85
Mean −0.003473
Std Dev 0.2293

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.35 / 84
p0 −35.19 ± 0.6006
pull
Entries 85
Mean −858.5
Std Dev 898.2
pull1D
Entries 85
Mean 0.006623
Std Dev 0.3488

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 20.94 / 84
p0 0.5617 ± 0.02543
pull
Entries 85
Mean −1287
Std Dev 1326

pull1D
Entries 85
Mean 0.00584
Std Dev 0.4963

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 5.617 / 84
p0 −11.11 ± 0.893
pull
Entries 85
Mean 520.4
Std Dev 469.6

pull1D
Entries 85
Mean 0.005828
Std Dev 0.257

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.315 / 84
p0 1.656 ± 0.6124
pull
Entries 85
Mean −336.6
Std Dev 378.6
pull1D
Entries 85
Mean 0.002949
Std Dev 0.1243

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 8.311 / 84
p0 −63.47 ± 0.8283
pull
Entries 85
Mean 327.1
Std Dev 273.6

pull1D
Entries 85
Mean −0.01022
Std Dev 0.3125

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.74 / 84
p0 6.395 ± 0.6958
pull
Entries 85
Mean −441.8
Std Dev 484.4

pull1D
Entries 85
Mean −0.003138
Std Dev 0.143

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.79 / 84
p0 0.2308 ± 0.02962
pull
Entries 85
Mean −651.7
Std Dev 681
pull1D
Entries 85
Mean −0.0008276
Std Dev 0.1451

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 12.24 / 84
p0 −24.06 ± 0.4407
pull
Entries 85
Mean 2.805e+04
Std Dev 2.8e+04
pull1D
Entries 85
Mean 0.0002323
Std Dev 0.3794

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.194 / 84
p0 −6.968 ± 0.3022
pull
Entries 85
Mean 379.1
Std Dev 326.6
pull1D
Entries 85
Mean −0.004739
Std Dev 0.1606

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.19 / 84
p0 −11.46 ± 0.4087
pull
Entries 85
Mean 994.4
Std Dev 948

pull1D
Entries 85
Mean −0.006812
Std Dev 0.4227

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.631 / 84
p0 21.73 ± 0.3433
pull
Entries 85
Mean 955.5
Std Dev 903.8

pull1D
Entries 85
Mean 0.002018
Std Dev 0.1759

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.572 / 84
p0 −0.147 ± 0.01462
pull
Entries 85
Mean 3290
Std Dev 3245
pull1D
Entries 85
Mean 0.00121
Std Dev 0.2985

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 8.192 / 84
p0 −11.6 ± 0.7973
pull
Entries 85
Mean −15.12
Std Dev 14.08

pull1D
Entries 85
Mean 0.01037
Std Dev 0.3103

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.973 / 84
p0 4.255 ± 0.5463
pull
Entries 85
Mean −2.309
Std Dev 32.51
pull1D
Entries 85
Mean −0.02511
Std Dev 0.3052

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.76 / 84
p0 −53.23 ± 0.7394
pull
Entries 85
Mean 9.603
Std Dev 50.27
pull1D
Entries 85
Mean −0.01966
Std Dev 0.4018

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 9.049 / 84
p0 −39.24 ± 0.6207
pull
Entries 85
Mean −388.3
Std Dev 435.2
pull1D
Entries 85
Mean 0.003264
Std Dev 0.3263

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.433 / 84
p0 0.6849 ± 0.02646
pull
Entries 85
Mean 996.8
Std Dev 957.3

pull1D
Entries 85
Mean −0.004363
Std Dev 0.2957

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.181 / 84
p0 −26.94 ± 1.884
pull
Entries 85
Mean −299.5
Std Dev 336.9
pull1D
Entries 85
Mean 0.005168
Std Dev 0.1934

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.384 / 84
p0 −38.78 ± 1.294
pull
Entries 85
Mean −24.86
Std Dev 54.95

pull1D
Entries 85
Mean −0.0322
Std Dev 0.3124

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.262 / 84
p0 −105.8 ± 1.747
pull
Entries 85
Mean −181.9
Std Dev 215.7
pull1D
Entries 85
Mean −0.006337
Std Dev 0.1958

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.533 / 84
p0 −104.8 ± 1.469
pull
Entries 85
Mean −154.9
Std Dev 190.7

pull1D
Entries 85
Mean 0.01808
Std Dev 0.2971

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.43 / 84
p0 1.267 ± 0.06252
pull
Entries 85
Mean 6844
Std Dev 6805

pull1D
Entries 85
Mean −0.0008773
Std Dev 0.4121

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.886 / 84
p0 −27.93 ± 1.65
pull
Entries 85
Mean −8116
Std Dev 8162

pull1D
Entries 85
Mean −0.0005264
Std Dev 0.2631

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.515 / 84
p0 −6.163 ± 1.135
pull
Entries 85
Mean −114.6
Std Dev 156.2
pull1D
Entries 85
Mean 0.01681
Std Dev 0.2298

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 6.191 / 84
p0 −80.35 ± 1.531
pull
Entries 85
Mean 9399
Std Dev 9352
pull1D
Entries 85
Mean −0.0004688
Std Dev 0.2699

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.391 / 84
p0 118.2 ± 1.288
pull
Entries 85
Mean −644.1
Std Dev 686.6

pull1D
Entries 85
Mean −0.006357
Std Dev 0.2741

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.795 / 84
p0 −0.5975 ± 0.05473
pull
Entries 85
Mean 818.4
Std Dev 779
pull1D
Entries 85
Mean 0.006301
Std Dev 0.3028

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.463 / 84
p0 −34.61 ± 1.358
pull
Entries 85
Mean −1929
Std Dev 1976
pull1D
Entries 85
Mean −0.001823
Std Dev 0.2291

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.645 / 84
p0 32.09 ± 0.9351
pull
Entries 85
Mean −792.3
Std Dev 835.6

pull1D
Entries 85
Mean 0.004205
Std Dev 0.2071

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.346 / 84
p0 −43.79 ± 1.26
pull
Entries 85
Mean −3622
Std Dev 3669

pull1D
Entries 85
Mean 0.0009354
Std Dev 0.2261

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.729 / 84
p0 77.15 ± 1.061
pull
Entries 85
Mean 7584
Std Dev 7541

pull1D
Entries 85
Mean 0.0006514
Std Dev 0.2814

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.56 / 84
p0 −0.755 ± 0.04504
pull
Entries 85
Mean 1376
Std Dev 1336
pull1D
Entries 85
Mean 0.004147
Std Dev 0.3173

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 4.576 / 84
p0 −11.56 ± 0.404
pull
Entries 85
Mean 1962
Std Dev 1921

pull1D
Entries 85
Mean 0.0003088
Std Dev 0.232

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.224 / 84
p0 −30.83 ± 0.2784
pull
Entries 85
Mean −192.9
Std Dev 228.5

pull1D
Entries 85
Mean −0.01376
Std Dev 0.2702

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 5.77 / 84
p0 −11.95 ± 0.3747
pull
Entries 85
Mean 262.2
Std Dev 208.2

pull1D
Entries 85
Mean −0.002606
Std Dev 0.2605

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.502 / 84
p0 −6.727 ± 0.3157
pull
Entries 85
Mean −584.4
Std Dev 621.4
pull1D
Entries 85
Mean 0.007445
Std Dev 0.3162

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.04 / 84
p0 0.2083 ± 0.0134
pull
Entries 85
Mean −1888
Std Dev 1925

pull1D
Entries 85
Mean 0.002727
Std Dev 0.4855

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.721 / 84
p0 3.596 ± 0.4456
pull
Entries 85
Mean −6.707
Std Dev 56.48

pull1D
Entries 85
Mean −0.006946
Std Dev 0.2091

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.052 / 84
p0 −0.05529 ± 0.3056
pull
Entries 85
Mean 8.786
Std Dev 23.32

pull1D
Entries 85
Mean 0.01019
Std Dev 0.155

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 5.907 / 84
p0 32.48 ± 0.4133
pull
Entries 85
Mean 16.23
Std Dev 65.4

pull1D
Entries 85
Mean 0.01129
Std Dev 0.2634

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 2.334 / 84
p0 20.7 ± 0.3471
pull
Entries 85
Mean −223.2
Std Dev 257.9

pull1D
Entries 85
Mean −0.004933
Std Dev 0.1656

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.727 / 84
p0 −0.1429 ± 0.01479
pull
Entries 85
Mean 647.9
Std Dev 605.1
pull1D
Entries 85
Mean 0.005867
Std Dev 0.2357

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 2.36 / 84
p0 −30.81 ± 1.231
pull
Entries 85
Mean 163.8
Std Dev 87.7

pull1D
Entries 85
Mean 0.004604
Std Dev 0.1665

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.505 / 84
p0 −3.348 ± 0.8448
pull
Entries 85
Mean 53.05
Std Dev 41.12

pull1D
Entries 85
Mean −0.02208
Std Dev 0.2019

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.662 / 84
p0 −74.77 ± 1.142
pull
Entries 85
Mean 166.1
Std Dev 95.06

pull1D
Entries 85
Mean −0.00596
Std Dev 0.1769

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.733 / 84
p0 −13.83 ± 0.9595
pull
Entries 85
Mean 37.33
Std Dev 53.96
pull1D
Entries 85
Mean 0.01343
Std Dev 0.1788

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.75 / 84
p0 0.2589 ± 0.04084
pull
Entries 85
Mean 653.3
Std Dev 616.3

pull1D
Entries 85
Mean −0.002519
Std Dev 0.1799

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 8.149 / 84
p0 8.163 ± 0.6882
pull
Entries 85
Mean −764.2
Std Dev 808.8

pull1D
Entries 85
Mean 0.006848
Std Dev 0.3095

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.36 / 84
p0 5.191 ± 0.474
pull
Entries 85
Mean −73.39
Std Dev 113.5

pull1D
Entries 85
Mean −0.03301
Std Dev 0.4097

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.655 / 84
p0 13.52 ± 0.6384
pull
Entries 85
Mean −702.4
Std Dev 745

pull1D
Entries 85
Mean −0.00758
Std Dev 0.319

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.74 / 84
p0 −78.74 ± 0.5379
pull
Entries 85
Mean −438.1
Std Dev 481.1

pull1D
Entries 85
Mean 0.01262
Std Dev 0.4567

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 21.75 / 84
p0 0.6379 ± 0.02284
pull
Entries 85
Mean 3602
Std Dev 3563
pull1D
Entries 85
Mean −0.002329
Std Dev 0.5058

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 7.286 / 84
p0 −15.9 ± 0.9768
pull
Entries 85
Mean −2164
Std Dev 2210
pull1D
Entries 85
Mean −0.002305
Std Dev 0.2928

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.847 / 84
p0 −2.291 ± 0.6722
pull
Entries 85
Mean −110.8
Std Dev 152.2

pull1D
Entries 85
Mean 0.01886
Std Dev 0.2616

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.673 / 84
p0 −39.46 ± 0.9061
pull
Entries 85
Mean −3360
Std Dev 3405

pull1D
Entries 85
Mean 0.001528
Std Dev 0.3004

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.208 / 84
p0 82.97 ± 0.763
pull
Entries 85
Mean −592.8
Std Dev 634.5

pull1D
Entries 85
Mean −0.007835
Std Dev 0.3106

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 10.9 / 84
p0 −0.3253 ± 0.0324
pull
Entries 85
Mean 1022
Std Dev 982.3

pull1D
Entries 85
Mean 0.006151
Std Dev 0.358

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 5.746 / 84
p0 −19.52 ± 1.232
pull
Entries 85
Mean 2078
Std Dev 2031
pull1D
Entries 85
Mean 0.001909
Std Dev 0.26

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.721 / 84
p0 −71.91 ± 1.142
pull
Entries 85
Mean 1091
Std Dev 1042

pull1D
Entries 85
Mean −0.003809
Std Dev 0.2812

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.218 / 84
p0 62.28 ± 0.9607
pull
Entries 85
Mean −637.1
Std Dev 679.7

pull1D
Entries 85
Mean −0.005113
Std Dev 0.2227

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 4.612 / 84
p0 −0.1841 ± 0.04084
pull
Entries 85
Mean 740.8
Std Dev 701.9
pull1D
Entries 85
Mean 0.004986
Std Dev 0.2329

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.1 / 84
p0 −7.753 ± 0.4084
pull
Entries 85
Mean 377.9
Std Dev 328.4

pull1D
Entries 85
Mean 0.008357
Std Dev 0.3613

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.344 / 84
p0 2.899 ± 0.2801
pull
Entries 85
Mean 88.3
Std Dev 23.34

pull1D
Entries 85
Mean −0.009987
Std Dev 0.2938

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.3 / 84
p0 −25.89 ± 0.3788
pull
Entries 85
Mean 222
Std Dev 165.7

pull1D
Entries 85
Mean −0.01581
Std Dev 0.4509

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 11.27 / 84
p0 4.269 ± 0.3182
pull
Entries 85
Mean −408.1
Std Dev 440.6

pull1D
Entries 85
Mean −0.003756
Std Dev 0.3641

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ^2 / ndf 3.454 / 84
p0 0.3153 ± 0.01355
pull
Entries 85
Mean −1378
Std Dev 1431

pull1D
Entries 85
Mean −0.0003062
Std Dev 0.2016

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.958 / 84
p0 −11.36 ± 0.8229
pull
Entries 85
Mean 187
Std Dev 126.4
pull1D
Entries 85
Mean 0.008294
Std Dev 0.2646

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.404 / 84
p0 2.953 ± 0.564
pull
Entries 85
Mean 46.89
Std Dev 31.96

pull1D
Entries 85
Mean −0.01037
Std Dev 0.1679

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.1 / 84
p0 −58.35 ± 0.7633
pull
Entries 85
Mean 125.7
Std Dev 48.41

pull1D
Entries 85
Mean −0.01492
Std Dev 0.3444

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.775 / 84
p0 −16.43 ± 0.6408
pull
Entries 85
Mean 2076
Std Dev 2056

pull1D
Entries 85
Mean 6.471e−05
Std Dev 0.1807

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.171 / 84
p0 0.4586 ± 0.0273
pull
Entries 85
Mean 469.4
Std Dev 427.8

pull1D
Entries 85
Mean −0.004001
Std Dev 0.1598

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.184 / 84
p0 12.03 ± 0.7005
pull
Entries 85
Mean 1906
Std Dev 1858

pull1D
Entries 85
Mean −0.00162
Std Dev 0.2218

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 3.096 / 84
p0 3.87 ± 0.4812
pull
Entries 85
Mean −124
Std Dev 166.1

pull1D
Entries 85
Mean −0.01311
Std Dev 0.1904

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.374 / 84
p0 40.9 ± 0.6498
pull
Entries 85
Mean 1148
Std Dev 1099

pull1D
Entries 85
Mean 0.002785
Std Dev 0.2268

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 4.52 / 84
p0 −35.2 ± 0.5465
pull
Entries 85
Mean −788.3
Std Dev 832.4

pull1D
Entries 85
Mean 0.004012
Std Dev 0.2306

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.158 / 84
p0 0.2716 ± 0.02323
pull
Entries 85
Mean 677.7
Std Dev 639.5

pull1D
Entries 85
Mean −0.004906
Std Dev 0.2211

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ^2 / ndf 6.222 / 84
p0 8.418 ± 0.4936
pull
Entries 85
Mean −800.7
Std Dev 845.1

pull1D
Entries 85
Mean 0.00548
Std Dev 0.2705

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.258 / 84
p0 3.91 ± 0.34
pull
Entries 85
Mean −89.34
Std Dev 130.8

pull1D
Entries 85
Mean −0.02557
Std Dev 0.329

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.307 / 84
p0 8.42 ± 0.4578
pull
Entries 85
Mean −751.5
Std Dev 794.2

pull1D
Entries 85
Mean −0.005855
Std Dev 0.2723

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.39 / 84
p0 −55.91 ± 0.3858
pull
Entries 85
Mean −528.7
Std Dev 571

pull1D
Entries 85
Mean 0.01032
Std Dev 0.3817

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.87 / 84
p0 0.4116 ± 0.01638
pull
Entries 85
Mean 2837
Std Dev 2797

pull1D
Entries 85
Mean −0.002738
Std Dev 0.4585

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 7.289 / 84
p0 3.843 ± 0.4846
pull
Entries 85
Mean −308.1
Std Dev 347.5

pull1D
Entries 85
Mean −0.009459
Std Dev 0.2927

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 9.75 / 84
p0 −1.355 ± 0.3326
pull
Entries 85
Mean −25.74
Std Dev 62.02

pull1D
Entries 85
Mean 0.03291
Std Dev 0.3371

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.77 / 84
p0 27.37 ± 0.4494
pull
Entries 85
Mean −171.4
Std Dev 206.1

pull1D
Entries 85
Mean 0.01602
Std Dev 0.3556

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.23 / 84
p0 43.54 ± 0.3777
pull
Entries 85
Mean −252.3
Std Dev 293.4

pull1D
Entries 85
Mean −0.01267
Std Dev 0.3467

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 15.56 / 84
p0 −0.3676 ± 0.01609
pull
Entries 85
Mean 1.516e+04
Std Dev 1.512e+04
pull1D
Entries 85
Mean 0.0004772
Std Dev 0.4278

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 20.55 / 84
p0 0.2562 ± 0.1986
pull
Entries 85
Mean −714.3
Std Dev 759.3
pull1D
Entries 85
Mean −0.01005
Std Dev 0.4916

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.8 / 84
p0 −1.28 ± 0.1367
pull
Entries 85
Mean −53.55
Std Dev 91.22
pull1D
Entries 85
Mean 0.05036
Std Dev 0.665

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.9 / 84
p0 −5.105 ± 0.1842
pull
Entries 85
Mean −600
Std Dev 642.5

pull1D
Entries 85
Mean 0.01238
Std Dev 0.5074

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.48 / 84
p0 22.82 ± 0.1552
pull
Entries 85
Mean −381.7
Std Dev 426.4

pull1D
Entries 85
Mean −0.01497
Std Dev 0.7232

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 40.45 / 84
p0 −0.2261 ± 0.006593
pull
Entries 85
Mean −3.762e+04
Std Dev 3.766e+04

pull1D
Entries 85
Mean −0.0002574
Std Dev 0.6899

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 8.81 / 84
p0 −7.493 ± 0.5328
pull
Entries 85
Mean 2224
Std Dev 2177

pull1D
Entries 85
Mean 0.002298
Std Dev 0.3219

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.714 / 84
p0 1.614 ± 0.366
pull
Entries 85
Mean −143.8
Std Dev 184.9
pull1D
Entries 85
Mean 0.0116
Std Dev 0.2087

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.27 / 84
p0 −31.01 ± 0.4942
pull
Entries 85
Mean 1031
Std Dev 983.4

pull1D
Entries 85
Mean −0.005242
Std Dev 0.3642

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.569 / 84
p0 27.08 ± 0.4156
pull
Entries 85
Mean −503
Std Dev 543.6
pull1D
Entries 85
Mean −0.006693
Std Dev 0.2559

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 5.644 / 84
p0 0.08743 ± 0.01767
pull
Entries 85
Mean 817.5
Std Dev 777.8
pull1D
Entries 85
Mean 0.005097
Std Dev 0.2576

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 5.561 / 84
p0 −19.78 ± 1.098
pull
Entries 85
Mean 788.7
Std Dev 739.6

pull1D
Entries 85
Mean 0.003966
Std Dev 0.2557

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.693 / 84
p0 −0.9678 ± 0.754
pull
Entries 85
Mean −310.3
Std Dev 354.3

pull1D
Entries 85
Mean 0.004386
Std Dev 0.1411

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 7.222 / 84
p0 −66.81 ± 1.019
pull
Entries 85
Mean 490.9
Std Dev 439.8

pull1D
Entries 85
Mean −0.006713
Std Dev 0.2914

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.775 / 84
p0 39.45 ± 0.8563
pull
Entries 85
Mean −979.1
Std Dev 1021

pull1D
Entries 85
Mean −0.002685
Std Dev 0.1807

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.264 / 84
p0 0.04375 ± 0.03642
pull
Entries 85
Mean 746.8
Std Dev 707.5

pull1D
Entries 85
Mean 0.003052
Std Dev 0.1632

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ^2 / ndf 4.552 / 84
p0 6.14 ± 0.2899
pull
Entries 85
Mean 243.1
Std Dev 183.8

pull1D
Entries 85
Mean −0.005054
Std Dev 0.2314

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 1.125 / 84
p0 1.289 ± 0.199
pull
Entries 85
Mean 374
Std Dev 323.8

pull1D
Entries 85
Mean 0.002854
Std Dev 0.115

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.513 / 84
p0 17.9 ± 0.269
pull
Entries 85
Mean 170.3
Std Dev 101.7
pull1D
Entries 85
Mean 0.007447
Std Dev 0.2546

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 1.602 / 84
p0 −6.184 ± 0.226
pull
Entries 85
Mean 1213
Std Dev 1169

pull1D
Entries 85
Mean −0.001573
Std Dev 0.1373

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.087 / 84
p0 0.02185 ± 0.009616
pull
Entries 85
Mean 427.6
Std Dev 391
pull1D
Entries 85
Mean −0.001156
Std Dev 0.1131

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 6.387 / 84
p0 −13.64 ± 0.8129
pull
Entries 85
Mean 1088
Std Dev 1040
pull1D
Entries 85
Mean 0.003481
Std Dev 0.2741

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.199 / 84
p0 0.3222 ± 0.5582
pull
Entries 85
Mean −214.1
Std Dev 256.9

pull1D
Entries 85
Mean 0.006832
Std Dev 0.1607

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.31 / 84
p0 −48.91 ± 0.754
pull
Entries 85
Mean 633.1
Std Dev 583.4

pull1D
Entries 85
Mean −0.006317
Std Dev 0.3126

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.524 / 84
p0 33.26 ± 0.634
pull
Entries 85
Mean −706.7
Std Dev 747.9

pull1D
Entries 85
Mean −0.00407
Std Dev 0.2036

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.139 / 84
p0 0.06558 ± 0.02696
pull
Entries 85
Mean 775.2
Std Dev 735.7

pull1D
Entries 85
Mean 0.003747
Std Dev 0.1921

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 74.93 / 84
p0 −24.57 ± 3.109
pull
Entries 85
Mean −37.12
Std Dev 21.72

pull1D
Entries 85
Mean 0.01656
Std Dev 0.9388

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 81.87 / 84
p0 2.024 ± 2.149
pull
Entries 85
Mean 171
Std Dev 152

pull1D
Entries 85
Mean 0.004017
Std Dev 0.9814

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 75.4 / 84
p0 61.75 ± 2.884
pull
Entries 85
Mean −39.29
Std Dev 24.05

pull1D
Entries 85
Mean −0.01668
Std Dev 0.9417

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 78.72 / 84
p0 −3.751 ± 2.435
pull
Entries 85
Mean 422.2
Std Dev 389.9
pull1D
Entries 85
Mean −0.004112
Std Dev 0.9623

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 169.5 / 84
p0 −22.07 ± 0.1032
pull
Entries 85
Mean −2920
Std Dev 2962

pull1D
Entries 85
Mean −0.1028
Std Dev 1.082

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 7.994 / 84
p0 −567.6 ± 14
pull
Entries 85
Mean −330.9
Std Dev 375

pull1D
Entries 85
Mean −0.0065
Std Dev 0.3066

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 5.581 / 84
p0 11.38 ± 9.621
pull
Entries 85
Mean 51.42
Std Dev 38.78

pull1D
Entries 85
Mean 0.008172
Std Dev 0.2561

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 8.044 / 84
p0 466.2 ± 12.98
700
600
500
400
300
pull
Entries 85
Mean −344.9
Std Dev 388.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 85
Mean 0.0058
Std Dev 0.3076
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.515 / 84
p0 142.2 ± 10.92
pull
Entries 85
Mean 94.63
Std Dev 8.557

pull1D
Entries 85
Mean −0.005023
Std Dev 0.2547

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 28.81 / 84
p0 −297.3 ± 0.4661
pull
Entries 85
Mean −1165
Std Dev 1217

pull1D
Entries 85
Mean −0.001692
Std Dev 0.5822

reg_asym_atr1_diff_bpm1X_slope vs run
χ^2 / ndf 78.16 / 84
p0 −48.06 ± 3.439
pull
Entries 85
Mean 5468
Std Dev 5301

pull1D
Entries 85
Mean 7.984e−05
Std Dev 0.9589

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 60.26 / 84
p0 5.71 ± 2.377
pull
Entries 85
Mean 202
Std Dev 163

pull1D
Entries 85
Mean −0.006882
Std Dev 0.8419

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 78.97 / 84
p0 −11.53 ± 3.191
pull
Entries 85
Mean 2917
Std Dev 2766
pull1D
Entries 85
Mean −0.0001723
Std Dev 0.9639

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 59.61 / 84
p0 −11.26 ± 2.693
pull
Entries 85
Mean 52.83
Std Dev 26.44

pull1D
Entries 85
Mean 0.008739
Std Dev 0.8374

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 148.7 / 84
p0 −18.9 ± 0.114
pull
Entries 85
Mean 2223
Std Dev 2175

pull1D
Entries 85
Mean 0.003301
Std Dev 1.322

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 7.219 / 84
p0 −488.7 ± 12.36
−300
−400
−500
−600
−700
pull
Entries 85
Mean −201.2
Std Dev 247.9
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 85
Mean −0.004153
Std Dev 0.2914
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.448 / 84
p0 4.963 ± 8.495
pull
Entries 85
Mean 49.37
Std Dev 34.71
pull1D
Entries 85
Mean 0.011
Std Dev 0.2529

reg_asym_atr2_diff_bpm4eX_slope vs run
χ^2 / ndf 7.119 / 84
p0 563.5 ± 11.46
pull
Entries 85
Mean −206.2
Std Dev 254.5

pull1D
Entries 85
Mean 0.003406
Std Dev 0.2894

reg_asym_atr2_diff_bpm4eY_slope vs run
χ^2 / ndf 5.255 / 84
p0 130.2 ± 9.638
pull
Entries 85
Mean 65.45
Std Dev 45.32

pull1D
Entries 85
Mean −0.008868
Std Dev 0.2485

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 19.98 / 84
p0 −261.5 ± 0.4115
pull
Entries 85
Mean −489.7
Std Dev 535.4
pull1D
Entries 85
Mean −0.00651
Std Dev 0.4848

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 10.39 / 84
p0 −295.5 ± 7.617
pull
Entries 85
Mean −658.8
Std Dev 709.7

pull1D
Entries 85
Mean −0.002526
Std Dev 0.3497

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.78 / 84
p0 7.136 ± 5.236
pull
Entries 85
Mean 21.68
Std Dev 33.58

pull1D
Entries 85
Mean 0.009083
Std Dev 0.356

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 10.72 / 84
p0 263.4 ± 7.064
pull
Entries 85
Mean −834.9
Std Dev 886.6

pull1D
Entries 85
Mean 0.001826
Std Dev 0.3552

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.714 / 84
p0 68.72 ± 5.94
pull
Entries 85
Mean 91.86
Std Dev 4.085
pull1D
Entries 85
Mean −0.00494
Std Dev 0.338

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 50.05 / 84
p0 −159.7 ± 0.2536
−145
−150
−155
−160
−165
pull
Entries 85
Mean −463.7
Std Dev 510.1
5
4
3
2
1
0
−1

pull1D
Entries 85
Mean −0.007319
Std Dev 0.7673
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 13.6 / 84
p0 272.2 ± 6.751
pull
Entries 85
Mean −257.7
Std Dev 297.4

pull1D
Entries 85
Mean 0.01013
Std Dev 0.3999

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.13 / 84
p0 −4.253 ± 4.641
pull
Entries 85
Mean 88.75
Std Dev 19.39
pull1D
Entries 85
Mean −0.007114
Std Dev 0.393

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 13.39 / 84
p0 −202.8 ± 6.261
pull
Entries 85
Mean −255.2
Std Dev 293.9

pull1D
Entries 85
Mean −0.009592
Std Dev 0.3968

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.77 / 84
p0 −73.49 ± 5.266
pull
Entries 85
Mean 89.77
Std Dev 34.49

pull1D
Entries 85
Mean 0.004954
Std Dev 0.3721

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.94 / 84
p0 137.6 ± 0.2248
142
140
138
136
134
132
pull
Entries 85
Mean 80.48
Std Dev 115.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean −0.002969
Std Dev 0.4594
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 11.73 / 84
p0 −268.4 ± 6.748
pull
Entries 85
Mean −255.6
Std Dev 314

pull1D
Entries 85
Mean −0.003632
Std Dev 0.3715

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.097 / 84
p0 5.16 ± 4.641
pull
Entries 85
Mean 22.72
Std Dev 35.1

pull1D
Entries 85
Mean 0.01051
Std Dev 0.3085

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.94 / 84
p0 276 ± 6.258
pull
Entries 85
Mean −255.8
Std Dev 316.7

pull1D
Entries 85
Mean 0.003188
Std Dev 0.3747

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.667 / 84
p0 59.53 ± 5.265
pull
Entries 85
Mean 64.87
Std Dev 50.32

pull1D
Entries 85
Mean −0.006846
Std Dev 0.3003

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 42.53 / 84
p0 −140.2 ± 0.2246
pull
Entries 85
Mean −462.3
Std Dev 508.3

pull1D
Entries 85
Mean −0.009981
Std Dev 0.7073

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.88 / 84
p0 220.4 ± 6.073
pull
Entries 85
Mean −179.9
Std Dev 209.6
pull1D
Entries 85
Mean 0.00388
Std Dev 0.3893

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.1 / 84
p0 0.1953 ± 4.175
pull
Entries 85
Mean 77.53
Std Dev 19.18

pull1D
Entries 85
Mean −0.0107
Std Dev 0.3612

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.58 / 84
p0 −287.6 ± 5.632
−200
−250
−300
−350
−400
pull
Entries 85
Mean −181.5
Std Dev 208.9

pull1D
Entries 85
Mean −0.003006
Std Dev 0.3847

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.17 / 84
p0 −70.62 ± 4.737
pull
Entries 85
Mean 64.96
Std Dev 42.08

pull1D
Entries 85
Mean 0.01034
Std Dev 0.3623

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.07 / 84
p0 121.3 ± 0.2021
pull
Entries 85
Mean −313.3
Std Dev 357.2

pull1D
Entries 85
Mean 0.004226
Std Dev 0.4068

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ^2 / ndf 90.82 / 84
p0 −36.21 ± 2.381
pull
Entries 85
Mean −10.06
Std Dev 95.8

pull1D
Entries 85
Mean 0.01286
Std Dev 1.034

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 64.23 / 84
p0 4.032 ± 1.645
pull
Entries 85
Mean 2026
Std Dev 1982

pull1D
Entries 85
Mean −0.0004724
Std Dev 0.8693

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 91.75 / 84
p0 25.03 ± 2.208
100
50
0
−50
−100
pull
Entries 85
Mean −6.137
Std Dev 98.54
2
1
0
−1
−2

pull1D
Entries 85
Mean −0.0131
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 61.76 / 84
p0 −7.696 ± 1.864
pull
Entries 85
Mean −148.2
Std Dev 171.2

pull1D
Entries 85
Mean 0.002761
Std Dev 0.8524

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 239.1 / 84
p0 −20.47 ± 0.079
pull
Entries 85
Mean −861.8
Std Dev 906.4

pull1D
Entries 85
Mean −0.1371
Std Dev 1.229

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 63.17 / 84
p0 11.81 ± 2.277
pull
Entries 85
Mean −58.31
Std Dev 101.5
pull1D
Entries 85
Mean 0.01431
Std Dev 0.862

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 82.63 / 84
p0 −1.99 ± 1.574
pull
Entries 85
Mean 128.4
Std Dev 92.67
pull1D
Entries 85
Mean 0.0141
Std Dev 0.9859

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 63.51 / 84
p0 36.56 ± 2.112
pull
Entries 85
Mean −67.74
Std Dev 108.8

pull1D
Entries 85
Mean −0.01395
Std Dev 0.8643

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 78.82 / 84
p0 3.924 ± 1.783
pull
Entries 85
Mean 119.6
Std Dev 81.51

pull1D
Entries 85
Mean −0.01522
Std Dev 0.9629

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 73.15 / 84
p0 −1.605 ± 0.07551
pull
Entries 85
Mean 621.8
Std Dev 615.4
pull1D
Entries 85
Mean 0.001404
Std Dev 0.9277

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 5.298 / 84
p0 −528.3 ± 12.95
pull
Entries 85
Mean −323.5
Std Dev 368.6

pull1D
Entries 85
Mean −0.004886
Std Dev 0.2496

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.992 / 84
p0 8.256 ± 8.896
pull
Entries 85
Mean 51.16
Std Dev 36.36

pull1D
Entries 85
Mean 0.009233
Std Dev 0.1874

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.245 / 84
p0 515 ± 12.01
pull
Entries 85
Mean −357.5
Std Dev 402.8

pull1D
Entries 85
Mean 0.004031
Std Dev 0.2484

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 2.997 / 84
p0 136.1 ± 10.09
pull
Entries 85
Mean 80.55
Std Dev 36.41

pull1D
Entries 85
Mean −0.006387
Std Dev 0.1877

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 23 / 84
p0 −279.4 ± 0.4311
pull
Entries 85
Mean −704
Std Dev 752.2

pull1D
Entries 85
Mean −0.003688
Std Dev 0.5201

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 67.61 / 84
p0 39.94 ± 2.56
pull
Entries 85
Mean 676.7
Std Dev 633.9

pull1D
Entries 85
Mean −0.006875
Std Dev 0.8919

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.84 / 84
p0 −3.039 ± 1.765
pull
Entries 85
Mean 38.69
Std Dev 65.26

pull1D
Entries 85
Mean 0.002969
Std Dev 0.9064

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 68.19 / 84
p0 48.23 ± 2.375
pull
Entries 85
Mean 665.5
Std Dev 623.8

pull1D
Entries 85
Mean 0.006886
Std Dev 0.8957

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.03 / 84
p0 −6.287 ± 2.002
pull
Entries 85
Mean −0.9439
Std Dev 29.84

pull1D
Entries 85
Mean −0.005353
Std Dev 0.8814

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 72.43 / 84
p0 17.88 ± 0.08485
pull
Entries 85
Mean 845
Std Dev 808.8

pull1D
Entries 85
Mean 0.003619
Std Dev 0.9231

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 10.37 / 84
p0 −256.2 ± 6.842
pull
Entries 85
Mean 379
Std Dev 295.4

pull1D
Entries 85
Mean 0.001309
Std Dev 0.3493

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.6 / 84
p0 3.956 ± 4.705
pull
Entries 85
Mean 23.86
Std Dev 29.54
pull1D
Entries 85
Mean 0.01116
Std Dev 0.3998

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.39 / 84
p0 312.2 ± 6.345
400
350
300
250
200
150
pull
Entries 85
Mean 185.6
Std Dev 42.91
1
0.5
0
−0.5
−1

pull1D
Entries 85
Mean −0.00198
Std Dev 0.3496
40
35
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 11.92 / 84
p0 62.62 ± 5.337
pull
Entries 85
Mean 66.79
Std Dev 42.3
pull1D
Entries 85
Mean −0.007731
Std Dev 0.3745

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 41.95 / 84
p0 −141.8 ± 0.2278
pull
Entries 85
Mean −413.8
Std Dev 457.9

pull1D
Entries 85
Mean −0.01126
Std Dev 0.7025

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 14.1 / 84
p0 232.7 ± 5.92
pull
Entries 85
Mean −140.7
Std Dev 176.8

pull1D
Entries 85
Mean 0.009051
Std Dev 0.4071

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.28 / 84
p0 −1.172 ± 4.071
pull
Entries 85
Mean 79.77
Std Dev 7.532

pull1D
Entries 85
Mean −0.008619
Std Dev 0.38

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.98 / 84
p0 −251.4 ± 5.49
pull
Entries 85
Mean −129.1
Std Dev 164.2

pull1D
Entries 85
Mean −0.008624
Std Dev 0.4055

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.11 / 84
p0 −67.33 ± 4.619
pull
Entries 85
Mean 57.86
Std Dev 55.3

pull1D
Entries 85
Mean 0.007918
Std Dev 0.3614

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.27 / 84
p0 119.7 ± 0.1971
pull
Entries 85
Mean −476.3
Std Dev 529

pull1D
Entries 85
Mean 0.002626
Std Dev 0.3799

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 11.24 / 84
p0 −307.8 ± 7.595
pull
Entries 85
Mean −341.8
Std Dev 390.8

pull1D
Entries 85
Mean −0.006195
Std Dev 0.3635

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.441 / 84
p0 8.391 ± 5.221
pull
Entries 85
Mean 19.22
Std Dev 38.27

pull1D
Entries 85
Mean 0.007719
Std Dev 0.2752

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 11.28 / 84
p0 227.3 ± 7.043
pull
Entries 85
Mean −352.9
Std Dev 401.9

pull1D
Entries 85
Mean 0.005645
Std Dev 0.3643

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.433 / 84
p0 65.56 ± 5.924
pull
Entries 85
Mean 103.9
Std Dev 11.51

pull1D
Entries 85
Mean −0.003427
Std Dev 0.2751

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 51.49 / 84
p0 −158.1 ± 0.2528
pull
Entries 85
Mean −587.9
Std Dev 637.1
pull1D
Entries 85
Mean −0.005645
Std Dev 0.7783

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 12.84 / 84
p0 260 ± 6.812
pull
Entries 85
Mean −428.9
Std Dev 467.7

pull1D
Entries 85
Mean 0.004962
Std Dev 0.3887

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.61 / 84
p0 −2.999 ± 4.681
pull
Entries 85
Mean 85.52
Std Dev 25.86
pull1D
Entries 85
Mean −0.008043
Std Dev 0.3694

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.04 / 84
p0 −239.1 ± 6.317
pull
Entries 85
Mean −462.5
Std Dev 500.4
pull1D
Entries 85
Mean −0.00423
Std Dev 0.3916

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.43 / 84
p0 −76.66 ± 5.312
pull
Entries 85
Mean 89.99
Std Dev 11
pull1D
Entries 85
Mean 0.006322
Std Dev 0.3667

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 17.22 / 84
p0 139.2 ± 0.2267
144
142
140
138
136
134
132
pull
Entries 85
Mean 387.7
Std Dev 300.4
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 85
Mean −0.0007521
Std Dev 0.4501
30
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 9.16 / 84
p0 246.5 ± 6.159
pull
Entries 85
Mean −296
Std Dev 334

pull1D
Entries 85
Mean 0.006267
Std Dev 0.3282

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.757 / 84
p0 −2.023 ± 4.233
pull
Entries 85
Mean 92
Std Dev 37.24

pull1D
Entries 85
Mean −0.008714
Std Dev 0.2818

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.012 / 84
p0 −245.4 ± 5.712
pull
Entries 85
Mean −309.8
Std Dev 347.1

pull1D
Entries 85
Mean −0.00546
Std Dev 0.3256

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.449 / 84
p0 −72.06 ± 4.803
pull
Entries 85
Mean 83.02
Std Dev 30.2

pull1D
Entries 85
Mean 0.007462
Std Dev 0.2753

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 11.21 / 84
p0 129.5 ± 0.2051
132
130
128
126
124
pull
Entries 85
Mean 1.384e+05
Std Dev 1.383e+05
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −5.649e−06
Std Dev 0.3631
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 60.9 / 84
p0 25.87 ± 1.793
pull
Entries 85
Mean −507.5
Std Dev 550.1

pull1D
Entries 85
Mean 0.007421
Std Dev 0.8464

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.98 / 84
p0 −2.411 ± 1.237
pull
Entries 85
Mean 90.7
Std Dev 64.51

pull1D
Entries 85
Mean 0.009575
Std Dev 0.9202

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.59 / 84
p0 42.37 ± 1.663
pull
Entries 85
Mean −575
Std Dev 616.4

pull1D
Entries 85
Mean −0.006642
Std Dev 0.8373

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.86 / 84
p0 −1.281 ± 1.402
pull
Entries 85
Mean 66.26
Std Dev 24.43
pull1D
Entries 85
Mean −0.0122
Std Dev 0.8935

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 73.92 / 84
p0 8.144 ± 0.05946
pull
Entries 85
Mean −3522
Std Dev 3552

pull1D
Entries 85
Mean −0.0007294
Std Dev 0.9325

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 7.669 / 84
p0 −281.9 ± 6.996
pull
Entries 85
Mean −422.5
Std Dev 476.5

pull1D
Entries 85
Mean −0.003134
Std Dev 0.3004

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.157 / 84
p0 6.248 ± 4.809
pull
Entries 85
Mean 16.42
Std Dev 31.99
pull1D
Entries 85
Mean 0.009339
Std Dev 0.2461

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.79 / 84
p0 269.7 ± 6.488
pull
Entries 85
Mean −503.2
Std Dev 558.6

pull1D
Entries 85
Mean 0.002388
Std Dev 0.3027

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.659 / 84
p0 64 ± 5.456
pull
Entries 85
Mean 76.11
Std Dev 45.39

pull1D
Entries 85
Mean −0.005067
Std Dev 0.2341

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 45.44 / 84
p0 −149.9 ± 0.2329
pull
Entries 85
Mean −484.3
Std Dev 530.6

pull1D
Entries 85
Mean −0.008435
Std Dev 0.7311

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 72.35 / 84
p0 −13.96 ± 1.652
pull
Entries 85
Mean 180.6
Std Dev 137.7

pull1D
Entries 85
Mean 0.01541
Std Dev 0.9225

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.25 / 84
p0 0.4934 ± 1.14
pull
Entries 85
Mean 92.17
Std Dev 41.05
pull1D
Entries 85
Mean 0.01289
Std Dev 0.9955

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 69.68 / 84
p0 −9.739 ± 0.05478
pull
Entries 85
Mean 323.1
Std Dev 274.5
pull1D
Entries 85
Mean −0.005869
Std Dev 0.9054

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 5334 / 84
p0 −23.8 ± 0.2349
pull
Entries 85
Mean 111.7
Std Dev 65.66

pull1D
Entries 85
Mean −0.7201
Std Dev 4.097

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 176.2 / 84
p0 3.86 ± 0.1614
pull
Entries 85
Mean 116
Std Dev 71.26
pull1D
Entries 85
Mean 0.2788
Std Dev 1.412

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 5092 / 84
p0 21.35 ± 0.2181
pull
Entries 85
Mean 112
Std Dev 65.88

pull1D
Entries 85
Mean 0.7986
Std Dev 4.049

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 190.3 / 84
p0 −4.893 ± 0.1836
pull
Entries 85
Mean 112.6
Std Dev 67.07
pull1D
Entries 85
Mean −0.2763
Std Dev 1.471

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 118 / 84
p0 0.00453 ± 0.007692
pull
Entries 85
Mean 104.2
Std Dev 65.86
pull1D
Entries 85
Mean 0.1794
Std Dev 1.164

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 5341 / 84
p0 −23.61 ± 0.2331
pull
Entries 85
Mean 111.8
Std Dev 65.68

pull1D
Entries 85
Mean −0.7221
Std Dev 4.097

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 177.7 / 84
p0 3.797 ± 0.1602
pull
Entries 85
Mean 115.9
Std Dev 71.21
pull1D
Entries 85
Mean 0.2796
Std Dev 1.418

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 5098 / 84
p0 21.18 ± 0.2165
pull
Entries 85
Mean 112
Std Dev 65.9

pull1D
Entries 85
Mean 0.6397
Std Dev 4.179

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.3 / 84
p0 −4.815 ± 0.1822
pull
Entries 85
Mean 112.4
Std Dev 66.95
pull1D
Entries 85
Mean −0.2781
Std Dev 1.478

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 118.5 / 84
p0 0.005154 ± 0.007633
pull
Entries 85
Mean 104.2
Std Dev 66.27
pull1D
Entries 85
Mean 0.1746
Std Dev 1.168

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 5318 / 84
p0 −23.81 ± 0.2343
pull
Entries 85
Mean 111.8
Std Dev 65.73
pull1D
Entries 85
Mean −0.7232
Std Dev 4.129

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 182.7 / 84
p0 3.773 ± 0.161
pull
Entries 85
Mean 117.5
Std Dev 72.83

pull1D
Entries 85
Mean 0.2814
Std Dev 1.439

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ^2 / ndf 5077 / 84
p0 21.32 ± 0.2175
pull
Entries 85
Mean 112.1
Std Dev 65.97

pull1D
Entries 85
Mean 0.4884
Std Dev 4.319

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 197 / 84
p0 −4.809 ± 0.1831
pull
Entries 85
Mean 113.5
Std Dev 68.1

pull1D
Entries 85
Mean −0.2811
Std Dev 1.496

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 119.3 / 84
p0 0.003796 ± 0.007671
pull
Entries 85
Mean 104.3
Std Dev 65.97

pull1D
Entries 85
Mean 0.1771
Std Dev 1.172

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 5270 / 84
p0 −24.41 ± 0.2398
pull
Entries 85
Mean 112.9
Std Dev 66.94

pull1D
Entries 85
Mean −0.8708
Std Dev 3.925

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 179.7 / 84
p0 3.961 ± 0.1648
pull
Entries 85
Mean 116.5
Std Dev 72.57
pull1D
Entries 85
Mean 0.2858
Std Dev 1.426

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 5029 / 84
p0 21.87 ± 0.2227
pull
Entries 85
Mean 113.2
Std Dev 67.18

pull1D
Entries 85
Mean 0.7827
Std Dev 4.03

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 197.2 / 84
p0 −5.045 ± 0.1874
pull
Entries 85
Mean 113.3
Std Dev 68.72
pull1D
Entries 85
Mean −0.2853
Std Dev 1.496

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 141.7 / 84
p0 0.0003139 ± 0.007855
pull
Entries 85
Mean 104.5
Std Dev 65.63

pull1D
Entries 85
Mean 0.1592
Std Dev 1.281

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 5179 / 84
p0 −24.47 ± 0.2418
pull
Entries 85
Mean 114.2
Std Dev 68.25

pull1D
Entries 85
Mean −0.5985
Std Dev 4.245

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 177.1 / 84
p0 3.966 ± 0.1662
pull
Entries 85
Mean 118.6
Std Dev 74.67

pull1D
Entries 85
Mean 0.2652
Std Dev 1.419

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4938 / 84
p0 21.96 ± 0.2245
pull
Entries 85
Mean 114.5
Std Dev 68.48

pull1D
Entries 85
Mean 0.682
Std Dev 4.19

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 142.8 / 84
p0 0.007316 ± 0.007922
pull
Entries 85
Mean 108.9
Std Dev 67.26
pull1D
Entries 85
Mean 0.1952
Std Dev 1.282