dit_asym_us_avg_mean vs run
χ² / ndf 86.29 / 87
p0 2823 ± 910.5
pull
Entries 88
Mean 782.8
Std Dev 743.1
pull1D
Entries 88
Mean 0.005585
Std Dev 0.9902

dit_asym_us_avg_rms vs run
χ^2 / ndf 364.6 / 87
p0 838.6 ± 0.6438
940
920
900
880
860
840
820
800

asym_us_avg_mean vs run
×10^3
χ^2 / ndf 75.23 / 87
p0 4980 ± 1702
pull
Entries 88
Mean 198.3
Std Dev 202.5

pull1D
Entries 88
Mean 0.003499
Std Dev 0.9246

asym_us_avg_rms vs run
χ^2 / ndf 2560 / 87
p0 1567 ± 1.204
1800
1750
1700
1650
1600
1550
1500
1450
1400

dit_asym_us_dd_mean vs run
χ^2 / ndf 101.6 / 87
p0 −1077 ± 879.1
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean 539.6
Std Dev 463.4
3
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean −0.001494
Std Dev 1.075
20
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
χ² / ndf 99.97 / 87
p0 809.7 ± 0.6216
850
840
830
820
810
800
790

asym_us_dd_mean vs run
χ² / ndf 88.13 / 87
p0 391 ± 1084
pull
Entries 88
Mean 491.1
Std Dev 411.2
pull1D
Entries 88
Mean −0.00271
Std Dev 1.001

asym_us_dd_rms vs run
χ² / ndf 2176 / 87
p0 997.7 ± 0.7664
1200
1150
1100
1050
1000
950

dit_asym_usl_mean vs run
χ² / ndf 90.27 / 87
p0 1747 ± 1258
pull
Entries 88
Mean 855.3
Std Dev 822.6
pull1D
Entries 88
Mean 0.003051
Std Dev 1.013

dit_asym_usl_rms vs run
χ² / ndf 171.2 / 87
p0 1159 ± 0.8899
1220
1200
1180
1160
1140
1120

asym_usl_mean vs run
χ^2 / ndf 81.75 / 87
p0 5388 ± 2017
×10^3
pull
Entries 88
Mean −108.1
Std Dev 328.8

pull1D
Entries 88
Mean 0.001122
Std Dev 0.9639

asym_usl_rms vs run
χ2 / ndf 1904 / 87
p0 1857 ± 1.426
2100
2050
2000
1950
1900
1850
1800
1750
1700

dit_asym_usr_mean vs run
χ² / ndf 97.4 / 87
p0 3899 ± 1273
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 725.8
Std Dev 681
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.005039
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usr_rms vs run
χ² / ndf 222.3 / 87
p0 1172 ± 0.9001
1260
1240
1220
1200
1180
1160
1140

asym_usr_mean vs run
×10^3
χ² / ndf 76.44 / 87
p0 4610 ± 2020
pull
Entries 88
Mean 324.2
Std Dev 283.4

pull1D
Entries 88
Mean 0.003915
Std Dev 0.932

asym_usr_rms vs run
χ² / ndf 2410 / 87
p0 1859 ± 1.428
2150
2100
2050
2000
1950
1900
1850
1800
1750
1700

dit_asym_at1_avg_mean vs run
χ^2 / ndf 102 / 87
p0 404.3 ± 2053
×10^3
pull
Entries 88
Mean 860.8
Std Dev 813.4

pull1D
Entries 88
Mean 0.004615
Std Dev 1.076

dit_asym_at1_avg_rms vs run

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 98.62 / 87
p0 1878 ± 2271
50
0
−50
−100
−150
pull
Entries 88
Mean 478.5
Std Dev 434.6
2
1
0
−1
−2

pull1D
Entries 88
Mean 0.00621
Std Dev 1.059
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_avg_rms vs run
χ^2 / ndf 8615 / 87
p0 2087 ± 1.606
5000
4500
4000
3500
3000
2500
2000

dit_asym_at1_dd_mean vs run
χ² / ndf 110.1 / 87
p0 561.5 ± 2038
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean 1752
Std Dev 1719
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean −0.001247
Std Dev 1.119
18
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

asym_at1_dd_mean vs run
χ² / ndf 107 / 87
p0 −836.5 ± 2111
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean 7180
Std Dev 7155
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.0002526
Std Dev 1.103
16
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
χ^2 / ndf 86.74 / 87
p0 3574 ± 2531
50
0
−50
−100
−150
pull
Entries 88
Mean −231.1
Std Dev 276.8
2
1
0
−1
−2

pull1D
Entries 88
Mean −0.0184
Std Dev 0.9926
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at2_avg_rms vs run
χ^2 / ndf 1.591e+04 / 87
p0 2320 ± 1.79
6000
5500
5000
4500
4000
3500
3000
2500
2000

asym_at2_avg_mean vs run
×10^3
χ² / ndf 67.21 / 87
p0 1.556e+04 ± 9618
pull
Entries 88
Mean 2314
Std Dev 2244

pull1D
Entries 88
Mean −0.000298
Std Dev 0.8739

asym_at2_avg_rms vs run
χ² / ndf 3462 / 87
p0 8850 ± 6.801
10500
10000
9500
9000
8500
8000

dit_asym_at2_dd_mean vs run
χ^2 / ndf 81.17 / 87
p0 −1335 ± 2104
×10^3
pull
Entries 88
Mean 376.1
Std Dev 338.9

pull1D
Entries 88
Mean 0.01312
Std Dev 0.9603

dit_asym_at2_dd_rms vs run

asym_at2_dd_mean vs run
×10^3
χ² / ndf 74.74 / 87
p0 −1517 ± 2378
pull
Entries 88
Mean 262.6
Std Dev 234.1

pull1D
Entries 88
Mean −0.01336
Std Dev 0.9215

asym_at2_dd_rms vs run
χ^2 / ndf 1.429e+04 / 87
p0 2182 ± 1.682
6000
5500
5000
4500
4000
3500
3000
2500
2000

dit_asym_atl_avg_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 109 / 87
p0 1235 ± 2181
pull
Entries 88
Mean 2511
Std Dev 2465
3
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.002243
Std Dev 1.113
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_rms vs run
χ^2 / ndf 9603 / 87
p0 2003 ± 1.542
5000
4500
4000
3500
3000
2500
2000

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 75.91 / 87
p0 8792 ± 5789
pull
Entries 88
Mean 47.47
Std Dev 81.83

pull1D
Entries 88
Mean 0.006347
Std Dev 0.9288

asym_atl_avg_rms vs run

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 95.59 / 87
p0 −158.1± 2129
pull
Entries 88
Mean 1872
Std Dev 1833

pull1D
Entries 88
Mean −0.00225
Std Dev 1.042

dit_asym_atl_dd_rms vs run
χ^2 / ndf 9364 / 87
p0 1956 ± 1.505
5000
4500
4000
3500
3000
2500
2000

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 64.84 / 87
p0 −8200 ± 5053
pull
Entries 88
Mean 8.166
Std Dev 159.4

pull1D
Entries 88
Mean −0.002852
Std Dev 0.8584

asym_atl_dd_rms vs run

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 95.02 / 87
p0 2485 ± 2256
pull
Entries 88
Mean −170.8
Std Dev 217.3

pull1D
Entries 88
Mean −0.01548
Std Dev 1.039

dit_asym_atr_avg_rms vs run

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 70.34 / 87
p0 8518 ± 5372
100
0
−100
−200
−300
−400
pull
Entries 88
Mean 143.7
Std Dev 52.32
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 88
Mean −0.003996
Std Dev 0.894
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_avg_rms vs run
χ^2 / ndf 5884 / 87
p0 4940 ± 3.799
7500
7000
6500
6000
5500
5000
4500

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 76.85 / 87
p0 −2555 ± 2202
pull
Entries 88
Mean 133.4
Std Dev 103.7

pull1D
Entries 88
Mean 0.01969
Std Dev 0.9343

dit_asym_atr_dd_rms vs run
χ2 / ndf 1.532e+04 / 87
p0 2019 ± 1.557
6000
5500
5000
4500
4000
3500
3000
2500
2000

asym_atr_dd_mean vs run
×10^3
χ² / ndf 68.58 / 87
p0 −5549 ± 4489
300
200
100
0
−100
pull
Entries 88
Mean 676.5
Std Dev 633.1
2
1
0
−1
−2

pull1D
Entries 88
Mean 0.003985
Std Dev 0.8828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.39 / 87
p0 −1520 ± 1610
pull
Entries 88
Mean −63.58
Std Dev 110.6
pull1D
Entries 88
Mean 0.01638
Std Dev 0.9497

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 1.552e+04 / 87
p0 1476 ± 1.139
3000
2800
2600
2400
2200
2000
1800
1600
1400

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 64.8 / 87
p0 −6861 ± 4479
pull
Entries 88
Mean 1428
Std Dev 1370

pull1D
Entries 88
Mean 0.000934
Std Dev 0.8581

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3598 / 87
p0 4121 ± 3.167
5000
4800
4600
4400
4200
4000
3800
3600

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 93.87 / 87
p0 880 ± 1466
pull
Entries 88
Mean 462.9
Std Dev 427.3
pull1D
Entries 88
Mean −0.01111
Std Dev 1.033

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.55 / 87
p0 −1229 ± 1679
40000
20000
0
−20000
−40000
−60000
pull
Entries 88
Mean 337.3
Std Dev 310
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 88
Mean −0.01101
Std Dev 0.9744
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1.436e+04 / 87
p0 1540 ± 1.187
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 112.2 / 87
p0 1100 ± 2690
pull
Entries 88
Mean 466.6
Std Dev 401.1

pull1D
Entries 88
Mean 0.003503
Std Dev 1.129

dit_asym_atl1_rms vs run

asym_atl1_mean vs run
×10^3
χ² / ndf 115.3 / 87
p0 1099 ± 2856
pull
Entries 88
Mean 197.7
Std Dev 123.8

pull1D
Entries 88
Mean 0.006855
Std Dev 1.145

asym_atl1_rms vs run

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 95.62 / 87
p0 1319 ± 3347
100
50
0
−50
−100
pull
Entries 88
Mean 1566
Std Dev 1523
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.004074
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl2_rms vs run
χ² / ndf 1538 / 87
p0 3081 ± 2.367
4000
3800
3600
3400
3200
3000

asym_atl2_mean vs run
×10^3
400
200
0
−200
−400
−600
χ² / ndf 67.9 / 87
p0 1.752e+04 ± 1.045e+04
pull
Entries 88
Mean 72.13
Std Dev 157.3
2
1
0
−1
−2

pull1D
Entries 88
Mean 0.0023
Std Dev 0.8784
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl2_rms vs run
χ^2 / ndf 2621 / 87
p0 9621 ± 7.392
10500
10000
9500
9000
8500

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 100.3 / 87
p0 −310.1± 3065
100
50
0
−50
−100
pull
Entries 88
Mean 694.4
Std Dev 653
3
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.005659
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr1_rms vs run
χ^2 / ndf 120.6 / 87
p0 2823 ± 2.167
2950
2900
2850
2800
2750

asym_atr1_mean vs run
×10^3
χ^2 / ndf 91.77 / 87
p0 2662 ± 3309
100
50
0
−50
−100
pull
Entries 88
Mean 614.8
Std Dev 579.2
2
1
0
−1
−2
−3

pull1D
Entries 88
Mean 0.004922
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_rms vs run
χ² / ndf 331.8 / 87
p0 3048 ± 2.34
3200
3150
3100
3050
3000
2950
2900

dit_asym_atr2_mean vs run
χ^2 / ndf 72.93 / 87
p0 5301 ± 3210
×10^3
pull
Entries 88
Mean −8.488
Std Dev 68.86

pull1D
Entries 88
Mean −0.02338
Std Dev 0.91

dit_asym_atr2_rms vs run
χ^2 / ndf 2.083e+04 / 87
p0 2939 ± 2.27
11000
10000
9000
8000
7000
6000
5000
4000
3000

asym_atr2_mean vs run
×10^3
χ² / ndf 66.82 / 87
p0 1.417e+04 ± 9326
pull
Entries 88
Mean 344.3
Std Dev 294.6

pull1D
Entries 88
Mean −0.004732
Std Dev 0.8714

asym_atr2_rms vs run
χ^2 / ndf 7390 / 87
p0 8571 ± 6.594
14000
13000
12000
11000
10000
9000
8000
7000

dit_asym_sam1_mean vs run
χ² / ndf 105.1 / 87
p0 −76.56 ± 84.69
2000
0
−2000
−4000
−6000
pull
Entries 88
Mean −95.89
Std Dev 167.2
2
1
0
−1
−2

pull1D
Entries 88
Mean −0.01146
Std Dev 1.093
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam1_rms vs run

asym_sam1_mean vs run
χ^2 / ndf 74.95 / 87
p0 3.989 ± 283.3
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean −324
Std Dev 370.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 88
Mean −0.0101
Std Dev 0.9228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run

dit_asym_sam2_mean vs run
χ² / ndf 96.73 / 87
p0 −116.2 ± 339.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 303
Std Dev 266.6
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.005174
Std Dev 1.048
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam2_rms vs run
χ^2 / ndf 6496 / 87
p0 312.3 ± 0.2402
440
420
400
380
360
340
320
300
280

asym_sam2_mean vs run
χ² / ndf 70.65 / 87
p0 5228 ± 2512
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 88
Mean −19.89
Std Dev 21.6
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.01667
Std Dev 0.8958
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ2 / ndf 2.517e+04 / 87
p0 2297 ± 1.776
3400
3200
3000
2800
2600
2400
2200
2000
1800

dit_asym_sam3_mean vs run
χ^2 / ndf 88.19 / 87
p0 23.32 ± 117.4
pull
Entries 88
Mean −58.61
Std Dev 109.3

pull1D
Entries 88
Mean 0.02033
Std Dev 1.001

dit_asym_sam3_rms vs run
χ^2 / ndf 5.392e+04 / 87
p0 106.4 ± 0.08301
450
400
350
300
250
200
150
100

asym_sam3_mean vs run
χ^2 / ndf 70.52 / 87
p0 3398 ± 1446
40000
20000
0
−20000
−40000
pull
Entries 88
Mean 4240
Std Dev 4171
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 88
Mean −0.0004483
Std Dev 0.8952
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_rms vs run
χ^2 / ndf 1.757e+04 / 87
p0 1325 ± 1.022
2000
1800
1600
1400
1200
1000

dit_asym_sam4_mean vs run
χ² / ndf 89.14 / 87
p0 270.2 ± 277.3
15000
10000
5000
0
−5000
−10000
pull
Entries 88
Mean 10.43
Std Dev 59.65
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01645
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run

asym_sam4_mean vs run
×10^3
χ² / ndf 74.75 / 87
p0 6190 ± 2735
pull
Entries 88
Mean 3347
Std Dev 3291

pull1D
Entries 88
Mean −0.001126
Std Dev 0.9216

asym_sam4_rms vs run
χ^2 / ndf 7355 / 87
p0 2514 ± 1.934
3400
3200
3000
2800
2600
2400
2200

dit_asym_sam5_mean vs run
χ^2 / ndf 88.38 / 87
p0 198.6 ± 133.3
4000
2000
0
−2000
−4000
pull
Entries 88
Mean −106
Std Dev 162.6
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.01301
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam5_rms vs run

asym_sam5_mean vs run
χ^2 / ndf 78.73 / 87
p0 809.7 ± 901.8
pull
Entries 88
Mean 1090
Std Dev 1043
pull1D
Entries 88
Mean −0.004837
Std Dev 0.9458

asym_sam5_rms vs run
χ^2 / ndf 8905 / 87
p0 828.5 ± 0.6377
1050
1000
950
900
850
800
750
700

dit_asym_sam6_mean vs run
χ^2 / ndf 99.66 / 87
p0 86.17 ± 136.6
6000
4000
2000
0
−2000
−4000
pull
Entries 88
Mean −159
Std Dev 210.5
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.01624
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam6_rms vs run

asym_sam6_mean vs run
χ² / ndf 71.36 / 87
p0 −1194 ± 883
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 88
Mean −173.2
Std Dev 209.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 88
Mean 0.01394
Std Dev 0.9004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_rms vs run
χ^2 / ndf 1.371e+04 / 87
p0 810 ± 0.6244
1150
1100
1050
1000
950
900
850
800
750
700

dit_asym_sam7_mean vs run
χ^2 / ndf 79.5 / 87
p0 −54.2 ± 93.86
pull
Entries 88
Mean 159
Std Dev 95.49
pull1D
Entries 88
Mean 0.008349
Std Dev 0.9505

dit_asym_sam7_rms vs run

asym_sam7_mean vs run
χ² / ndf 66.85 / 87
p0 978.6 ± 436.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 88
Mean 60.27
Std Dev 88.93
2
1
0
−1
−2
pull1D
Entries 88
Mean −0.009754
Std Dev 0.8715
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_rms vs run
χ^2 / ndf 1.536e+04 / 87
p0 399.8 ± 0.3083
550
500
450
400
350
300

dit_asym_sam8_mean vs run
χ² / ndf 63.96 / 87
p0 −260.2 ± 76.24
pull
Entries 88
Mean −89.67
Std Dev 147.7
pull1D
Entries 88
Mean −0.01703
Std Dev 0.8523

dit_asym_sam8_rms vs run

asym_sam8_mean vs run
χ² / ndf 68.83 / 87
p0 410.2 ± 333.6
10000
5000
0
−5000
−10000
pull
Entries 88
Mean 679
Std Dev 617.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 88
Mean −0.002981
Std Dev 0.8844
18
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 1.037e+04 / 87
p0 306.3 ± 0.2359
440
420
400
380
360
340
320
300
280
260
240

dit_usl_4aX_slope vs run

dit_usl_4eX_slope vs run
χ^2 / ndf 1.679e−24 / 87
p0 234.2 ± 0.3729
238
237
236
235
234
233
232
231
230
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 88
Mean −1.381e−13
Std Dev 2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 1.467e−23 / 87
p0 −46.8 ± 0.03154
−46.5
−46.6
−46.7
−46.8
−46.9
−47
−47.1
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

pull1D
Entries 88
Mean −4.083e−13
Std Dev 1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ^2 / ndf 1.785e−26 / 87
p0 −3.866 ± 0.02659
−3.6
−3.7
−3.8
−3.9
−4
−4.1
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
14
12
10
8
6
4
2
0

pull1D
Entries 88
Mean 1.424e−14
Std Dev 8.984e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ² / ndf 1.898e−24 / 87
p0 24.92 ± 0.02836
25.2
25.1
25
24.9
24.8
24.7
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.469e−13
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ^2 / ndf 5.831e−25 / 87
p0 −358.7 ± 0.5211
−354
−356
−358
−360
−362
−364
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
80
70
60
50
40
30
20
10
0

pull1D
Entries 88
Mean 8.14e−14
Std Dev 4.15e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 2.028e−24 / 87
p0 459.5 ± 0.5589
464
462
460
458
456
454
pull
Entries 88
Mean 44
Std Dev 25.4
$\times 10^{-12}$
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.518e−13
Std Dev 6.108e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ^2 / ndf 2.255e−24 / 87
p0 −46.95 ± 0.04258
−46.5
−46.6
−46.7
−46.8
−46.9
−47
−47.1
−47.2
−47.3
−47.4
pull
Entries 88
Mean 44
Std Dev 25.4
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 88
Mean −1.601e−13
Std Dev6.561e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aY_slope vs run
χ² / ndf 1.679e−25 / 87
p0 −2.907 ± 0.01734
−2.75
−2.8
−2.85
−2.9
−2.95
−3
−3.05
−3.1
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

pull1D
Entries 88
Mean −4.369e−14
Std Dev 2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
χ² / ndf 3.114e−25 / 87
p0 17.74 ± 0.03183
18
17.9
17.8
17.7
17.6
17.5
17.4
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 88
Mean −5.949e−14
Std Dev3.281e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.722e−25 / 87
p0 −156.4 ± 0.9589
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean −4.423e−14
Std Dev 1.797e−21

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.814e−26 / 87
p0 217.2 ± 1.019
228
226
224
222
220
218
216
214
212
210
208
206
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−5
−10
−15
−20

pull1D
Entries 88
Mean −2.082e−14
Std Dev7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
χ^2 / ndf 4.014e−25 / 87
p0 −27.59 ± 0.06169
−27
−27.2
−27.4
−27.6
−27.8
−28
−28.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
70
60
50
40
30
20
10
0

pull1D
Entries 88
Mean 6.753e−14
Std Dev3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 9.547e−27 / 87
p0 9.544 ± 0.05454
10
9.8
9.6
9.4
9.2
9
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
10
8
6
4
2
0
pull1D
Entries 88
Mean 1.042e−14
Std Dev 3.962e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ² / ndf 8.375e−25 / 87
p0 −16.09 ± 0.06212
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 9.755e−14
Std Dev 3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 7.437e−26 / 87
p0 −2044 ± 1.668
−2030
−2035
−2040
−2045
−2050
−2055
−2060
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
30
25
20
15
10
5
0
pull1D
Entries 88
Mean 2.907e−14
Std Dev 1.797e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 6.161e−25 / 87
p0 2214 ± 1.738
2230
2225
2220
2215
2210
2205
2200
2195
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−10
−20
−30
−40
−50
−60
−70
−80

pull1D
Entries 88
Mean −8.368e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 2.075e−24 / 87
p0 −316.4 ± 0.1184
−315.5
−316
−316.5
−317
−317.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 88
Mean 1.536e−13
Std Dev 1.016e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ^2 / ndf 8.336e−25 / 87
p0 −34.49 ± 0.09339
−33.5
−34
−34.5
−35
−35.5
pull
Entries 88
Mean 44
Std Dev 25.4
$\times 10^{-12}$
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 9.733e−14
Std Dev 3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.006e−23 / 87
p0 167.4 ± 0.09856
168.5
168
167.5
167
166.5
pull
Entries 88
Mean 44
Std Dev 25.4
$\times 10^{-12}$
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 88
Mean 3.381e−13
Std Dev 1.589e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ^2 / ndf 5.892e−25 / 87
p0 −236.6 ± 0.9257
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean 8.183e−14
Std Dev 3.388e−21

dit_atr1_4eX_slope vs run
χ^2 / ndf 0 / 87
p0 206.2 ± 0.978
216
214
212
210
208
206
204
202
200
198
196
pull
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 1.515e−25 / 87
p0 −34.31 ± 0.05476
−33.8
−34
−34.2
−34.4
−34.6
−34.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
40
35
30
25
20
15
10
5
0

pull1D
Entries 88
Mean 4.15e−14
Std Dev 2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 2.731e−25 / 87
p0 12.51 ± 0.04079
12.9
12.8
12.7
12.6
12.5
12.4
12.3
12.2
12.1
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
0
−10
−20
−30
−40
−50

pull1D
Entries 88
Mean −5.571e−14
Std Dev 1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ^2 / ndf 2.859e−25 / 87
p0 −19.82 ± 0.06645
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
50
40
30
20
10
0

pull1D
Entries 88
Mean 5.7e−14
Std Dev 3.492e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
χ^2 / ndf 3.607e−24 / 87
p0 −1901 ± 1.676
−1885
−1890
−1895
−1900
−1905
−1910
−1915
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 88
Mean −2.024e−13
Std Dev1.098e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ² / ndf 2.689e−25 / 87
p0 2221 ± 1.754
2240
2235
2230
2225
2220
2215
2210
2205
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
50
40
30
20
10
0

pull1D
Entries 88
Mean 5.528e−14
Std Dev 2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.198e−23 / 87
p0 −277.1 ± 0.1106
−276
−276.5
−277
−277.5
−278
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
pull1D
Entries 88
Mean −6.028e−13
Std Dev 3.773e−20
90
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 9.046e−25 / 87
p0 −31.92 ± 0.09712
−31
−31.5
−32
−32.5
−33
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.014e−13
Std Dev 6.881e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 7.08e−26 / 87
p0 142.2 ± 0.1068
143.4
143.2
143
142.8
142.6
142.4
142.2
142
141.8
141.6
141.4
141.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
0
−5
−10
−15
−20
−25

pull1D
Entries 88
Mean −2.837e−14
Std Dev 9.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run
χ^2 / ndf 3.46e−27 / 87
p0 3.281 ± 0.0755
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean 6.27e−15
Std Dev 1.981e−22

dit_sam1_4eX_slope vs run
χ^2 / ndf 1.275e−26 / 87
p0 −14.48 ± 0.07865
−13.6
−13.8
−14
−14.2
−14.4
−14.6
−14.8
−15
−15.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
12
10
8
6
4
2
0

pull1D
Entries 88
Mean 1.204e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run
χ^2 / ndf 2.581e−26 / 87
p0 0.3038 ± 0.001037
0.315
0.31
0.305
0.3
0.295
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
16
14
12
10
8
6
4
2
0

pull1D
Entries 88
Mean 1.713e−14
Std Dev 1.271e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aY_slope vs run
χ² / ndf 2.88e−23 / 87
p0 −52.14 ± 0.007944
−52.06
−52.08
−52.1
−52.12
−52.14
−52.16
−52.18
−52.2
−52.22
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0

pull1D
Entries 88
Mean 5.721e−13
Std Dev 3.455e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 3.528e−27 / 87
p0 7.734 ± 0.02991
8
7.9
7.8
7.7
7.6
7.5
7.4
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
6
5
4
3
2
1
0

pull1D
Entries 88
Mean 6.331e−15
Std Dev 2.118e−22
90
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 2.988e−27 / 87
p0 63.32 ± 0.9098
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean −5.827e−15
Std Dev 2.368e−22

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.296e−25 / 87
p0 −285.8 ± 0.9491
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean 5.107e−14
Std Dev 2.541e−21

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run
χ^2 / ndf 3.533e−24 / 87
p0 17.22 ± 0.0189
17.4
17.35
17.3
17.25
17.2
17.15
17.1
17.05
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 88
Mean −2.004e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ² / ndf 7.475e−24 / 87
p0 −222.9 ± 0.08317
−222
−222.2
−222.4
−222.6
−222.8
−223
−223.2
−223.4
−223.6
−223.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

pull1D
Entries 88
Mean −2.914e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run
χ^2 / ndf 7.863e−28 / 87
p0 −29.24 ± 1.267
pull
Entries 88
Mean 44
Std Dev 25.4

pull1D
Entries 88
Mean 2.989e−15
Std Dev 5.294e−23

dit_sam3_4eX_slope vs run
χ^2 / ndf 7.673e−27 / 87
p0 −102.9 ± 1.298
−90
−95
−100
−105
−110
−115
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−2
−4
−6
−8

pull1D
Entries 88
Mean −9.338e−15
Std Dev 2.801e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run
χ^2 / ndf 3.979e−28 / 87
p0 0.2703 ± 0.005566
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 2.126e−15
Std Dev 1.35e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aY_slope vs run
χ^2 / ndf 2.027e−24 / 87
p0 −7.058 ± 0.01435
−6.9
−6.95
−7
−7.05
−7.1
−7.15
−7.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 88
Mean −1.518e−13
Std Dev 6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ^2 / ndf 5.285e−27 / 87
p0 30.23 ± 0.04887
30.6
30.4
30.2
30
29.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

pull1D
Entries 88
Mean −7.75e−15
Std Dev 4.366e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.554e−27 / 87
p0 66.89 ± 1.803
85
80
75
70
65
60
55
50
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
4
3.5
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 88
Mean 4.202e−15
Std Dev 9.169e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eX_slope vs run
χ^2 / ndf 8.354e−27 / 87
p0 −277.9 ± 1.866
−260
−265
−270
−275
−280
−285
−290
−295
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 88
Mean −9.743e−15
Std Dev 1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ^2 / ndf 1.184e−25 / 87
p0 −24.48 ± 0.06195
−23.8
−24
−24.2
−24.4
−24.6
−24.8
−25
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 88
Mean −3.668e−14
Std Dev 1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run
χ^2 / ndf 7.458e−25 / 87
p0 291 ± 0.1975
293
292.5
292
291.5
291
290.5
290
289.5
289
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 88
Mean 9.206e−14
Std Dev 4.792e−21
90
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 6.259e−27 / 87
p0 10.52 ± 0.1347
12
11.5
11
10.5
10
9.5
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

pull1D
Entries 88
Mean −8.433e−15
Std Dev 1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eX_slope vs run
χ^2 / ndf 5.762e−27 / 87
p0 −9.658 ± 0.1404
−8.5
−9
−9.5
−10
−10.5
−11
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15

pull1D
Entries 88
Mean 8.092e−15
Std Dev 4.852e−22

dit_sam5_11X12X_slope vs run
χ^2 / ndf 5.249e−25 / 87
p0 0.3152 ± 0.001379
0.33
0.325
0.32
0.315
0.31
0.305
0.3
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
80
70
60
50
40
30
20
10
0

pull1D
Entries 88
Mean 7.723e−14
Std Dev 4.482e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run
χ^2 / ndf 1.492e−23 / 87
p0 34.2 ± 0.02207
34.45
34.4
34.35
34.3
34.25
34.2
34.15
34.1
34.05
34
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

pull1D
Entries 88
Mean −4.118e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ² / ndf 1.858e−24 / 87
p0 121.7 ± 0.08341
122.6
122.4
122.2
122
121.8
121.6
121.4
121.2
121
120.8
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 88
Mean −1.453e−13
Std Dev 5.082e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run
χ^2 / ndf 9.608e−28 / 87
p0 67.1 ± 0.4585
72
70
68
66
64
62
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 88
Mean 3.304e−15
Std Dev 9.904e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eX_slope vs run
χ² / ndf 1.1e−27 / 87
p0 −12.56 ± 0.4819
−8
−10
−12
−14
−16
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

pull1D
Entries 88
Mean −3.536e−15
Std Dev 1.401e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_11X12X_slope vs run
χ^2 / ndf 1.394e−28 / 87
p0 0.3129 ± 0.004702
0.36
0.34
0.32
0.3
0.28
0.26
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 1.259e−15
Std Dev 7.717e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ² / ndf 7.226e−26 / 87
p0 21.74 ± 0.01322
21.85
21.8
21.75
21.7
21.65
21.6
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹⁵
30
25
20
15
10
5
0

pull1D
Entries 88
Mean 2.866e−14
Std Dev 7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 4.127e−24 / 87
p0 86.84 ± 0.06296
87.4
87.2
87
86.8
86.6
86.4
86.2
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 88
Mean −2.166e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.106e−24 / 87
p0 91.77 ± 0.1622
93.5
93
92.5
92
91.5
91
90.5
90
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.121e−13
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ^2 / ndf 3.507e−24 / 87
p0 −140.2 ± 0.1669
−138.5
−139
−139.5
−140
−140.5
−141
−141.5
−142
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.996e−13
Std Dev 4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.311e−27 / 87
p0 0.3487 ± 0.001533
0.365
0.36
0.355
0.35
0.345
0.34
0.335
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4

pull1D
Entries 88
Mean −3.86e−15
Std Dev 2.118e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aY_slope vs run
χ^2 / ndf 1.26e−24 / 87
p0 7.337 ± 0.003165
7.37
7.36
7.35
7.34
7.33
7.32
7.31
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 88
Mean 1.197e−13
Std Dev3.788e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 2.344e−24 / 87
p0 −12.4 ± 0.005801
−12.34
−12.36
−12.38
−12.4
−12.42
−12.44
−12.46
pull
Entries 88
Mean 44
Std Dev 25.4
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 88
Mean −1.632e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aX_slope vs run
χ^2 / ndf 2.42e−25 / 87
p0 64.43 ± 0.1444
66
65.5
65
64.5
64
63.5
63
pull
Entries 88
Mean 44
Std Dev 25.4
×10^-15
50
40
30
20
10
0

pull1D
Entries 88
Mean 5.244e−14
Std Dev2.679e−21
90
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 1.103e−24 / 87
p0 −100.5 ± 0.1489
−99
−99.5
−100
−100.5
−101
−101.5
−102
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 88
Mean −1.119e−13
Std Dev5.989e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run

dit_sam8_4aY_slope vs run
χ^2 / ndf 2.237e−21 / 87
p0 −51.54 ± 0.002704
−51.51
−51.52
−51.53
−51.54
−51.55
−51.56
pull
Entries 88
Mean 44
Std Dev 25.4
×10^−12
0
−1
−2
−3
−4
−5
pull1D
Entries 88
Mean −5.042e−12
Std Dev 3.018e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run
χ^2 / ndf 8.101e−23 / 87
p0 60.06 ± 0.01184
60.15
60.1
60.05
60
59.95
pull
Entries 88
Mean 44
Std Dev 25.4
$\times 10^{-12}$
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 9.595e−13
Std Dev 5.907e−20
90
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

dit_4eX_coil1_mean vs run

dit_4eX_coil1_err_mean vs run

dit_4eX_coil1_Ndata_mean vs run

dit_11X12X_coil1_mean vs run

dit_11X12X_coil1_err_mean vs run
χ² / ndf 3.474e+32 / 87
p0 6.102 ± 1.066e−16
pull
Entries 88
Mean −1.051e+09
Std Dev 1.051e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil1_mean vs run
χ^2 / ndf 5.076e+31 / 87
p0 1.751± 1.066e−16
pull
Entries 88
Mean −2.61e+08
Std Dev 2.61e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run
χ^2 / ndf 9.638e+30 / 87
p0 1.019 ± 1.066e−16
pull
Entries 88
Mean −4.916e+09
Std Dev 4.916e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil1_Ndata_mean vs run

dit_4eY_coil1_mean vs run
χ^2 / ndf 6.153e+31 / 87
p0 1.975 ± 1.066e−16
pull
Entries 88
Mean 4.656e+08
Std Dev 4.656e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil1_err_mean vs run
χ^2 / ndf 1.172e+31 / 87
p0 1.093 ± 1.066e−16
pull
Entries 88
Mean −4.207e+09
Std Dev 4.207e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil1_Ndata_mean vs run

dit_usl_coil1_mean vs run
χ² / ndf inf / 87
p0 2.973e+04 ± 1.066e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 88
Mean 2.91e+09
Std Dev 2.91e+09
×10¹⁸
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil1_err_mean vs run
χ² / ndf 1.263e+36 / 87
p0 378.1± 1.066e−16
600
500
400
300
200
100
0
pull
Entries 88
Mean 3.723e+09
Std Dev 3.723e+09
×10¹⁵
200
100
0
−100
−200
−300
−400
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 −2.654e+04 ± 1.066e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 88
Mean −8.549e+08
Std Dev 8.549e+08
×10¹⁸
25
20
15
10
5
0
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_err_mean vs run
χ² / ndf 1.356e+36 / 87
p0 381.4 ± 1.066e−16
pull
Entries 88
Mean 1.161e+10
Std Dev 1.161e+10

pull1D
Entries 88
Mean 0
Std Dev 0

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 −1.765e+04 ± 1.066e−16
0
−5000
−10000
−15000
−20000
pull
Entries 88
Mean 3.784e+08
Std Dev 3.784e+08
×10¹⁸
18
16
14
12
10
8
6
4
2
0
−2
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_err_mean vs run
χ² / ndf 1.661e+36 / 87
p0 429.3 ± 1.066e−16
pull
Entries 88
Mean −2.858e+10
Std Dev 2.858e+10
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 4.56e+04 ± 1.066e−16
50000
40000
30000
20000
10000
0
×10¹⁸
0
−10
−20
−30
−40
pull
Entries 88
Mean 6.407e+08
Std Dev 6.407e+08
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_err_mean vs run
χ² / ndf 4.132e+37 / 87
p0 2133 ± 1.066e−16
pull
Entries 88
Mean −4.346e+09
Std Dev 4.346e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl2_coil1_Ndata_mean vs run

dit_atr1_coil1_mean vs run
χ² / ndf inf / 87
p0 2.771e+04 ± 1.066e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 88
Mean 6.398e+08
Std Dev 6.398e+08
×10¹⁸
0
−5
−10
−15
−20
−25
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_err_mean vs run
χ² / ndf 2.476e+36 / 87
p0 513 ± 1.066e−16
800
600
400
200
0
pull
Entries 88
Mean 2.133e+09
Std Dev 2.133e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
−500
pull1D
Entries 88
Mean 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

dit_atr2_coil1_mean vs run
χ² / ndf inf / 87
p0 −3.613e+04 ± 1.066e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
−35000
−40000
pull
Entries 88
Mean 1.205e+09
Std Dev 1.205e+09
×10¹⁸
35
30
25
20
15
10
5
0
−5
pull1D
Entries 88
Mean 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
χ^2 / ndf 3.275e+37 / 87
p0 1877 ± 1.066e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 88
Mean −2.304e+09
Std Dev 2.304e+09
1000
500
0
−500
−1000
−1500
−2000

pull1D
Entries 88
Mean 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 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 1.269e+38 / 87
p0 4881± 1.066e−16
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean −1.963e+08
Std Dev 1.963e+08
×10^15
0
−1000
−2000
−3000
−4000
−5000

pull1D
Entries 88
Mean 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 1.442e+35 / 87
p0 72.44 ± 1.066e−16
pull
Entries 88
Mean 5.81e+09
Std Dev 5.81e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_mean vs run
χ^2 / ndf inf / 87
p0 9.958e+04 ± 1.066e−16
×10^3
100
80
60
40
20
0
×10^18
0
−20
−40
−60
−80
−100
pull
Entries 88
Mean 3.98e+08
Std Dev 3.98e+08

pull1D
Entries 88
Mean 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 4.023e+36 / 87
p0 591.9 ± 1.066e−16
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.28e+09
Std Dev 1.28e+09
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 88
Mean 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 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 6.097e+04 ± 1.066e−16
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 88
Mean 4.173e+08
Std Dev 4.173e+08
×10¹⁸
10
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_err_mean vs run
χ² / ndf 1.658e+36 / 87
p0 401.9 ± 1.066e−16
pull
Entries 88
Mean −6.65e+10
Std Dev 6.65e+10

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 9.531e+04 ± 1.066e−16
100
80
60
40
20
0
×10^18
0
−20
−40
−60
−80
−100
pull
Entries 88
Mean −4.322e+08
Std Dev 4.322e+08

pull1D
Entries 88
Mean 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 3.412e+36 / 87
p0 622.5 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −2.595e+09
Std Dev 2.595e+09
400
200
0
−200
−400
−600

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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
χ^2 / ndf 3.491e+36 / 87
p0 −467 ± 1.066e−16
pull
Entries 88
Mean 2.296e+09
Std Dev 2.296e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam5_coil1_err_mean vs run
χ² / ndf 3.389e+35 / 87
p0 190.8 ± 1.066e−16
pull
Entries 88
Mean −9.622e+08
Std Dev 9.622e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 −2.669e+04 ± 1.066e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
pull
Entries 88
Mean −1.193e+09
Std Dev 1.193e+09
×10^18
25
20
15
10
5
0
pull1D
Entries 88
Mean 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
χ^2 / ndf 4.21e+35 / 87
p0 206.5 ± 1.066e−16
pull
Entries 88
Mean 4.745e+09
Std Dev 4.745e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil1_Ndata_mean vs run
χ^2 / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 1.979e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean 2.338e+08
Std Dev 2.338e+08
×10¹⁸
0
−5
−10
−15
−20

pull1D
Entries 88
Mean 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 2.182e+35 / 87
p0 131 ± 1.066e−16
pull
Entries 88
Mean 6.089e+08
Std Dev 6.089e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam7_coil1_Ndata_mean vs run
χ^2 / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 / 87
p0 1.484e+04 ± 1.066e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 88
Mean −2.683e+09
Std Dev 2.683e+09
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14

pull1D
Entries 88
Mean 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
χ^2 / ndf 9.307e+34 / 87
p0 90.91± 1.066e−16
pull
Entries 88
Mean −1.273e+09
Std Dev 1.273e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 2.353e+37 / 87
p0 1141± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.42e+09
Std Dev 1.42e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil3_mean vs run

dit_4aX_coil3_err_mean vs run
χ^2 / ndf 3.92e+31 / 87
p0 1.982 ± 1.066e−16
pull
Entries 88
Mean 3.099e+09
Std Dev 3.099e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil3_Ndata_mean vs run

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run
χ^2 / ndf 3.927e+31 / 87
p0 1.944 ± 1.066e−16
pull
Entries 88
Mean −2.964e+09
Std Dev 2.964e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run
χ^2 / ndf 3.399e+34 / 87
p0 −76.73 ± 1.066e−16
0
−20
−40
−60
−80
pull
Entries 88
Mean −1.014e+09
Std Dev 1.014e+09
×10^15
80
70
60
50
40
30
20
10
0
−10

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil3_err_mean vs run
χ^2 / ndf 5.582e+31 / 87
p0 2.444 ± 1.066e−16
pull
Entries 88
Mean 2.483e+10
Std Dev 2.483e+10
pull1D
Entries 88
Mean 0
Std Dev 0

dit_11X12X_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil3_mean vs run
χ^2 / ndf 8.669e+31 / 87
p0 3.784 ± 1.066e−16
pull
Entries 88
Mean −1.45e+09
Std Dev 1.45e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run
χ^2 / ndf 8.411e+29 / 87
p0 0.3263 ± 1.066e−16
pull
Entries 88
Mean −8.394e+08
Std Dev 8.394e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil3_Ndata_mean vs run

dit_4eY_coil3_mean vs run
χ^2 / ndf 9.767e+31 / 87
p0 4.053 ± 1.066e−16
pull
Entries 88
Mean −9.694e+08
Std Dev 9.694e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run
χ^2 / ndf 9.45e+29 / 87
p0 0.3409 ± 1.066e−16
pull
Entries 88
Mean 7.144e+08
Std Dev 7.144e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil3_Ndata_mean vs run

dit_usl_coil3_mean vs run
χ^2 / ndf 1.938e+38 / 87
p0 5784 ± 1.066e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean −2.473e+08
Std Dev 2.473e+08
×10^15
0
−1000
−2000
−3000
−4000
−5000
−6000

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_err_mean vs run
χ² / ndf 2.793e+35 / 87
p0 173.7 ± 1.066e−16
pull
Entries 88
Mean −8.118e+09
Std Dev 8.118e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run

dit_usr_coil3_mean vs run
χ² / ndf 1.406e+38 / 87
p0 –5138 ± 1.066e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 88
Mean –2.579e+08
Std Dev 2.579e+08
×10^15
5000
4000
3000
2000
1000
0
pull1D
Entries 88
Mean 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 2.488e+35 / 87
p0 156.7 ± 1.066e−16
pull
Entries 88
Mean 1.183e+09
Std Dev 1.183e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_usr_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil3_mean vs run
χ^2 / ndf 5.468e+37 / 87
p0 −3192 ± 1.066e−16
pull
Entries 88
Mean −1.629e+09
Std Dev 1.629e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil3_err_mean vs run
χ² / ndf 2.164e+35 / 87
p0 145.4 ± 1.066e−16
pull
Entries 88
Mean −7.026e+08
Std Dev 7.026e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl2_coil3_mean vs run
χ^2 / ndf inf / 87
p0 8919 ± 1.066e−16
10000
8000
6000
4000
2000
0
pull
Entries 88
Mean −1.582e+07
Std Dev 1.582e+07
2000
0
−2000
−4000
−6000
−8000
pull1D
Entries 88
Mean 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 3.749e+36 / 87
p0 668.2 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −3.044e+08
Std Dev 3.044e+08
×10¹⁵
400
200
0
−200
−400
−600

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 1.477e+38 / 87
p0 5031± 1.066e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean −1.767e+08
Std Dev 1.767e+08
1000
0
−1000
−2000
−3000
−4000
−5000

pull1D
Entries 88
Mean 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 3.374e+35 / 87
p0 190.6 ± 1.066e−16
pull
Entries 88
Mean −5.868e+08
Std Dev 5.868e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atr1_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atr2_coil3_mean vs run
χ² / ndf 3.002e+38 / 87
p0 –6849 ± 1.066e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 88
Mean –9.94e+08
Std Dev 9.94e+08
×10^15
6000
4000
2000
0
–2000
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_atr2_coil3_err_mean vs run
χ^2 / ndf 2.669e+36 / 87
p0 570.3 ± 1.066e−16
800
600
400
200
0
pull
Entries 88
Mean −8.563e+08
Std Dev 8.563e+08
×10^15
300
200
100
0
−100
−200
−300
−400
−500
−600

pull1D
Entries 88
Mean 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

dit_sam1_coil3_mean vs run
χ^2 / ndf 3.417e+36 / 87
p0 755.3 ± 1.066e−16
800
600
400
200
0
pull
Entries 88
Mean 1.063e+07
Std Dev 1.063e+07
100
0
−100
−200
−300
−400
−500
−600
−700

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.109e+34 / 87
p0 29.89 ± 1.066e−16
pull
Entries 88
Mean 1.223e+09
Std Dev 1.223e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam2_coil3_mean vs run
χ² / ndf inf / 87
p0 1.795e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean −2.764e+08
Std Dev 2.764e+08
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 88
Mean 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
χ^2 / ndf 1.963e+36 / 87
p0 428.5 ± 1.066e−16
pull
Entries 88
Mean −2.853e+09
Std Dev 2.853e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam2_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 / 87
p0 1.117e+04 ± 1.066e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 88
Mean 2.597e+08
Std Dev 2.597e+08
×10^15
2000
0
−2000
−4000
−6000
−8000
−10000

pull1D
Entries 88
Mean 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
χ^2 / ndf 9.602e+35 / 87
p0 297.7 ± 1.066e−16
pull
Entries 88
Mean −1.614e+09
Std Dev 1.614e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam3_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam4_coil3_mean vs run
χ² / ndf inf / 87
p0 1.892e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean 3.193e+08
Std Dev 3.193e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil3_err_mean vs run
χ^2 / ndf 2.627e+36 / 87
p0 464.5 ± 1.066e−16
pull
Entries 88
Mean 2.029e+09
Std Dev 2.029e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam4_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam5_coil3_mean vs run
χ² / ndf 1.786e+36 / 87
p0 525.7 ± 1.066e−16
700
600
500
400
300
200
100
0
pull
Entries 88
Mean 8.412e+08
Std Dev 8.412e+08
×10¹⁵
200
100
0
−100
−200
−300
−400
−500

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil3_err_mean vs run
χ² / ndf 6.882e+34 / 87
p0 62.33 ± 1.066e−16
pull
Entries 88
Mean −4.06e+08
Std Dev 4.06e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_mean vs run
χ² / ndf 9.686e+37 / 87
p0 –4194 ± 1.066e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 88
Mean –6.045e+08
Std Dev 6.045e+08
×10¹⁵
4000
3000
2000
1000
0
pull1D
Entries 88
Mean 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
χ^2 / ndf 1.063e+35 / 87
p0 110.4 ± 1.066e−16
pull
Entries 88
Mean 1.769e+09
Std Dev 1.769e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 9.265e+37 / 87
p0 4111± 1.066e−16
4000
3000
2000
1000
0
pull
Entries 88
Mean 3.611e+08
Std Dev 3.611e+08
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
−4000

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_err_mean vs run
χ^2 / ndf 1.289e+35 / 87
p0 105.6 ± 1.066e−16
pull
Entries 88
Mean 4.635e+09
Std Dev 4.635e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam8_coil3_mean vs run
χ^2 / ndf 5.306e+37 / 87
p0 3115 ± 1.066e−16
3500
3000
2500
2000
1500
1000
500
0
pull
Entries 88
Mean −4.007e+08
Std Dev 4.007e+08
500
0
−500
−1000
−1500
−2000
−2500
−3000

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.175e+35 / 87
p0 80.07 ± 1.066e−16
pull
Entries 88
Mean −2.741e+09
Std Dev 2.741e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run
χ^2 / ndf 1.884e+37 / 87
p0 1136 ± 1.066e−16
pull
Entries 88
Mean 2.205e+09
Std Dev 2.205e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil7_mean vs run
χ^2 / ndf 5.353e+33 / 87
p0 10.13 ± 1.066e−16
pull
Entries 88
Mean −2.022e+09
Std Dev 2.022e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil7_err_mean vs run
χ^2 / ndf 1.917e+32 / 87
p0 3.782 ± 1.066e−16
pull
Entries 88
Mean −1.481e+09
Std Dev 1.481e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil7_mean vs run
χ^2 / ndf 3.577e+33 / 87
p0 10.36 ± 1.066e−16
20
15
10
5
0
pull
Entries 88
Mean 2.64e+09
Std Dev 2.64e+09
10000
5000
0
−5000
−10000
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil7_err_mean vs run

dit_4eX_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil7_mean vs run

dit_11X12X_coil7_err_mean vs run
χ² / ndf 5.381e+32 / 87
p0 7.968 ± 1.066e−16
pull
Entries 88
Mean −2.377e+08
Std Dev 2.377e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_11X12X_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.411e+33 / 87
p0 −11.51 ± 1.066e−16
pull
Entries 88
Mean 1.405e+09
Std Dev 1.405e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil7_err_mean vs run
χ² / ndf 1.959e+31 / 87
p0 1.277 ± 1.066e−16
pull
Entries 88
Mean 1.739e+08
Std Dev 1.739e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil7_mean vs run
χ² / ndf 1.039e+33 / 87
p0 −9.744 ± 1.066e−16
pull
Entries 88
Mean 9.527e+07
Std Dev 9.527e+07
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run
χ^2 / ndf 2.454e+31 / 87
p0 1.357 ± 1.066e−16
pull
Entries 88
Mean −6.518e+09
Std Dev 6.518e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_mean vs run
χ² / ndf inf / 87
p0 1.674e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean −3.508e+08
Std Dev 3.508e+08
×10^18
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 88
Mean 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 4.485e+36 / 87
p0 527 ± 1.066e−16
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 3.14e+09
Std Dev 3.14e+09
×10¹⁵
600
400
200
0
−200
−400
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 / 87
p0 1.816e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean −6.792e+08
Std Dev 6.792e+08
×10¹⁸
5
0
−5
−10
−15
pull1D
Entries 88
Mean 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 3.763e+36 / 87
p0 520.2 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean 6.716e+08
Std Dev 6.716e+08
×10¹⁵
400
200
0
−200
−400

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_mean vs run
χ² / ndf inf / 87
p0 1.09e+04 ± 1.066e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 88
Mean 2.257e+08
Std Dev 2.257e+08
×10¹⁵
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_err_mean vs run
χ² / ndf 2.808e+36 / 87
p0 527.5 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −5.658e+08
Std Dev 5.658e+08
×10¹⁵
400
200
0
−200
−400
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
×10^3
χ² / ndf inf / 87
p0 1.174e+05 ± 1.066e−16
140
120
100
80
60
40
20
0
×10^18
pull
Entries 88
Mean 2.123e+09
Std Dev 2.123e+09
20
0
−20
−40
−60
−80
−100
−120

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_err_mean vs run
χ² / ndf 6.752e+37 / 87
p0 2748 ± 1.066e−16
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean −6.262e+08
Std Dev 6.262e+08
2000
1000
0
−1000
−2000
pull1D
Entries 88
Mean 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
χ² / ndf inf / 87
p0 1.233e+04 ± 1.066e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 88
Mean 4.627e+08
Std Dev 4.627e+08
×10¹⁸
4
2
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_err_mean vs run
χ² / ndf 3.68e+36 / 87
p0 635.4 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −8.747e+05
Std Dev 8.835e+05
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_mean vs run
×10^3
120
100
80
60
40
20
0
χ² / ndf inf / 87
p0 1.047e+05 ± 1.066e−16
×10^18
20
0
−20
−40
−60
−80
−100
pull
Entries 88
Mean −5.194e+08
Std Dev 5.194e+08

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_err_mean vs run
χ² / ndf 5.283e+37 / 87
p0 2427 ± 1.066e−16
4000
3000
2000
1000
0
pull
Entries 88
Mean 4.033e+08
Std Dev 4.033e+08
×10¹⁵
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil7_Ndata_mean vs run
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil7_mean vs run
χ^2 / ndf 1.402e+36 / 87
p0 296.4 ± 1.066e−16
400
300
200
100
0
pull
Entries 88
Mean −3.218e+09
Std Dev 3.218e+09
×10^15
150
100
50
0
−50
−100
−150
−200
−250
−300
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil7_err_mean vs run
χ² / ndf 2.66e+35 / 87
p0 104.4 ± 1.066e−16
pull
Entries 88
Mean −5.268e+08
Std Dev 5.268e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.102e+38 / 87
p0 −441 ± 1.066e−16
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 88
Mean 3.504e+09
Std Dev 3.504e+09
×10^15
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 88
Mean 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 1.255e+37 / 87
p0 839 ± 1.066e−16
1800
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 1.528e+09
Std Dev 1.528e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800

pull1D
Entries 88
Mean 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
χ² / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 8.373e+37 / 87
p0 −1696 ± 1.066e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 88
Mean −3.552e+09
Std Dev 3.552e+09
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
pull1D
Entries 88
Mean 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
χ^2 / ndf 9.199e+36 / 87
p0 558 ± 1.066e−16
pull
Entries 88
Mean 3.65e+08
Std Dev 3.65e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam3_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 / 87
p0 –4800 ± 1.066e–16
pull
Entries 88
Mean 1.145e+09
Std Dev 1.145e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam4_coil7_err_mean vs run
χ^2 / ndf 5.799e+37 / 87
p0 934.5 ± 1.066e−16
4000
3000
2000
1000
0
pull
Entries 88
Mean −7.522e+07
Std Dev 7.522e+07
×10^15
3500
3000
2500
2000
1500
1000
500
0
−500
−1000

pull1D
Entries 88
Mean 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
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 3.055e+37 / 87
p0 –1689 ± 1.066e–16
0
–500
–1000
–1500
–2000
pull
Entries 88
Mean –8.705e+07
Std Dev 8.705e+07
×10^15
1500
1000
500
0
–500

pull1D
Entries 88
Mean 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 2.903e+36 / 87
p0 265.1± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean 4.191e+08
Std Dev 4.191e+08
×10¹⁵
600
400
200
0
−200
pull1D
Entries 88
Mean 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 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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
χ^2 / ndf 1.35e+37 / 87
p0 −654.3 ± 1.066e−16
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 88
Mean 5.097e+09
Std Dev 5.097e+09
$\times 10^{15}$
600
400
200
0
−200
−400

pull1D
Entries 88
Mean 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 1.361e+36 / 87
p0 270.5 ± 1.066e−16
pull
Entries 88
Mean 7.334e+08
Std Dev 7.334e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 5.16e+36 / 87
p0 −616.6 ± 1.066e−16
0
−200
−400
−600
−800
−1000
pull
Entries 88
Mean −2.944e+09
Std Dev 2.944e+09
×10^15
600
400
200
0
−200

pull1D
Entries 88
Mean 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 4.586e+36 / 87
p0 232 ± 1.066e−16
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 6.645e+08
Std Dev 6.645e+08
×10¹⁵
1000
800
600
400
200
0
−200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
$\times 10^{15}$
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 3.801e+36 / 87
p0 −507.8 ± 1.066e−16
pull
Entries 88
Mean 1.283e+09
Std Dev 1.283e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam8_coil7_err_mean vs run
χ² / ndf 5.606e+36 / 87
p0 175.7 ± 1.066e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.33e+08
Std Dev 1.33e+08
×10^15
1200
1000
800
600
400
200
0
−200

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_Ndata_mean vs run
χ^2 / ndf 2.3e+37 / 87
p0 1136 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.025e+10
Std Dev 1.025e+10
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil4_mean vs run
χ² / ndf 3.412e+32 / 87
p0 −0.9241 ± 1.066e−16
pull
Entries 88
Mean −2.965e+09
Std Dev 2.965e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil4_err_mean vs run
χ^2 / ndf 5.785e+31 / 87
p0 2.47 ± 1.066e−16
pull
Entries 88
Mean 6.475e+08
Std Dev 6.475e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil4_Ndata_mean vs run
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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_coil4_mean vs run
χ² / ndf 4.273e+32 / 87
p0 2.68 ± 1.066e−16
pull
Entries 88
Mean 2.099e+09
Std Dev 2.099e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eX_coil4_err_mean vs run
χ^2 / ndf 4.511e+31 / 87
p0 2.204 ± 1.066e−16
pull
Entries 88
Mean 4.935e+08
Std Dev 4.935e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eX_coil4_Ndata_mean vs run

dit_11X12X_coil4_mean vs run
χ² / ndf 8.51e+32 / 87
p0 −0.5478 ± 1.066e−16
pull
Entries 88
Mean 3.187e+09
Std Dev 3.187e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run

dit_4aY_coil4_mean vs run
χ^2 / ndf 1.757e+35 / 87
p0 166.2 ± 1.066e−16
pull
Entries 88
Mean −6.008e+06
Std Dev 6.009e+06
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil4_err_mean vs run
χ² / ndf 5.144e+31 / 87
p0 1.176 ± 1.066e−16
pull
Entries 88
Mean 3.376e+09
Std Dev 3.376e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil4_Ndata_mean vs run
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil4_mean vs run
χ^2 / ndf 1.901e+35 / 87
p0 179.5 ± 1.066e−16
pull
Entries 88
Mean −1.412e+08
Std Dev 1.412e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil4_err_mean vs run
χ² / ndf 3.125e+31 / 87
p0 1.136 ± 1.066e−16
pull
Entries 88
Mean 4.255e+08
Std Dev 4.255e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil4_Ndata_mean vs run
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 1.262e+38 / 87
p0 4693 ± 1.066e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean 1.082e+09
Std Dev 1.082e+09
1000
0
−1000
−2000
−3000
−4000

pull1D
Entries 88
Mean 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 1.223e+36 / 87
p0 331.9 ± 1.066e−16
pull
Entries 88
Mean 2.478e+09
Std Dev 2.478e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_mean vs run
χ² / ndf 1.141e+38 / 87
p0 4271± 1.066e−16
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean 5.888e+07
Std Dev 5.888e+07
1000
0
−1000
−2000
−3000
−4000
pull1D
Entries 88
Mean 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
χ^2 / ndf 1.19e+36 / 87
p0 313.4 ± 1.066e−16
pull
Entries 88
Mean −3.687e+09
Std Dev 3.687e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil4_mean vs run
χ^2 / ndf 1.36e+37 / 87
p0 −599.1 ± 1.066e−16
500
0
−500
−1000
−1500
pull
Entries 88
Mean 1.297e+10
Std Dev 1.297e+10
×10^15
1000
800
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 88
Mean 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 1.413e+36 / 87
p0 352.4 ± 1.066e−16
pull
Entries 88
Mean −2.082e+09
Std Dev 2.082e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil4_Ndata_mean vs run

dit_atl2_coil4_mean vs run
χ² / ndf inf / 87
p0 3.233e+04 ± 1.066e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 88
Mean 1.839e+09
Std Dev 1.839e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 88
Mean 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 2.953e+37 / 87
p0 1716 ± 1.066e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 88
Mean 5.988e+09
Std Dev 5.988e+09
×10¹⁵
1000
500
0
−500
−1000
−1500

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil4_Ndata_mean vs run

dit_atr1_coil4_mean vs run
χ^2 / ndf 1.461e+37 / 87
p0 −722.5 ± 1.066e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 88
Mean −3.506e+08
Std Dev 3.506e+08
×10^15
600
400
200
0
−200
−400
−600
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_err_mean vs run
χ² / ndf 1.884e+36 / 87
p0 427.5 ± 1.066e−16
pull
Entries 88
Mean −1.396e+09
Std Dev 1.396e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atr1_coil4_Ndata_mean vs run

dit_atr2_coil4_mean vs run
χ² / ndf inf / 87
p0 2.812e+04 ± 1.066e−16
35000
30000
25000
20000
15000
10000
5000
0
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 88
Mean 4.486e+09
Std Dev 4.486e+09
pull1D
Entries 88
Mean 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 2.461e+37 / 87
p0 1493 ± 1.066e−16
2500
2000
1500
1000
500
0
pull
Entries 88
Mean 2.933e+09
Std Dev 2.933e+09
×10¹⁵
1000
500
0
−500
−1000
−1500

pull1D
Entries 88
Mean 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
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil4_mean vs run
χ² / ndf inf / 87
p0 −7316 ± 1.066e−16
0
−2000
−4000
−6000
−8000
pull
Entries 88
Mean −1.797e+08
Std Dev 1.797e+08
×10¹⁵
7000
6000
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_err_mean vs run
χ² / ndf 1.646e+35 / 87
p0 74.69 ± 1.066e−16
pull
Entries 88
Mean −2.964e+07
Std Dev 2.964e+07
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam2_coil4_mean vs run
χ^2 / ndf inf / 87
p0 −3.786e+04 ± 1.066e−16
0
−10000
−20000
−30000
−40000
pull
Entries 88
Mean 1.082e+09
Std Dev 1.082e+09
×10^18
40
35
30
25
20
15
10
5
0
−5
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_err_mean vs run
χ² / ndf 3.566e+36 / 87
p0 550.1± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean 8.555e+07
Std Dev 8.555e+07
×10¹⁵
400
200
0
−200
−400

pull1D
Entries 88
Mean 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
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 8.651e+37 / 87
p0 3990 ± 1.066e−16
5000
4000
3000
2000
1000
0
pull
Entries 88
Mean 7.087e+08
Std Dev 7.087e+08
×10^15
0
−1000
−2000
−3000
−4000

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.912e+36 / 87
p0 366.6 ± 1.066e−16
pull
Entries 88
Mean 2.245e+09
Std Dev 2.245e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam4_coil4_mean vs run
χ² / ndf inf / 87
p0 4.724e+04 ± 1.066e−16
50000
40000
30000
20000
10000
0
pull
Entries 88
Mean 1.79e+08
Std Dev 1.79e+08
×10¹⁸
10
0
−10
−20
−30
−40
pull1D
Entries 88
Mean 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 1.006e+37 / 87
p0 652 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −3.635e+07
Std Dev 3.635e+07
×10¹⁵
1200
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 88
Mean 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
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
400
200
0
−200
−400
−600
−800
−1000
−1200

pull1D
Entries 88
Mean 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 / 87
p0 2.749e+04 ± 1.066e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 88
Mean 2.386e+08
Std Dev 2.386e+08
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull1D
Entries 88
Mean 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
χ^2 / ndf 1.068e+36 / 87
p0 204.6 ± 1.066e−16
500
400
300
200
100
0
pull
Entries 88
Mean 7.874e+08
Std Dev 7.874e+08
×10^15
200
100
0
−100
−200

pull1D
Entries 88
Mean 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_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil4_mean vs run
χ² / ndf inf / 87
p0 1.916e+04 ± 1.066e−16
20000
15000
10000
5000
0
pull
Entries 88
Mean 3.272e+08
Std Dev 3.272e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 88
Mean 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
χ^2 / ndf 5.594e+35 / 87
p0 194.2 ± 1.066e−16
pull
Entries 88
Mean 4.775e+08
Std Dev 4.775e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
1600
1400
1200
1000
800
600
400
200
0
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_mean vs run
χ^2 / ndf 1.395e+37 / 87
p0 −1469 ± 1.066e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull
Entries 88
Mean −3.177e+07
Std Dev 3.177e+07
×10^15
1400
1200
1000
800
600
400
200
0
−200

pull1D
Entries 88
Mean 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
χ^2 / ndf 6.529e+35 / 87
p0 144.5 ± 1.066e−16
500
400
300
200
100
0
pull
Entries 88
Mean −8.183e+08
Std Dev 8.183e+08
×10^15
300
200
100
0
−100
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_Ndata_mean vs run
χ² / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam8_coil4_mean vs run
χ^2 / ndf 2.032e+37 / 87
p0 1874 ± 1.066e−16
2500
2000
1500
1000
500
0
pull
Entries 88
Mean −3.414e+09
Std Dev 3.414e+09
500
0
−500
−1000
−1500

pull1D
Entries 88
Mean 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
χ^2 / ndf 8.596e+35 / 87
p0 107.2 ± 1.066e−16
500
400
300
200
100
0
pull
Entries 88
Mean 1.807e+08
Std Dev 1.807e+08
×10^15
400
300
200
100
0
−100

pull1D
Entries 88
Mean 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
χ^2 / ndf 2.332e+37 / 87
p0 1186 ± 1.066e−16
pull
Entries 88
Mean −1.023e+09
Std Dev 1.023e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil6_mean vs run
χ^2 / ndf 1.215e+32 / 87
p0 4.698 ± 1.066e−16
pull
Entries 88
Mean 7.005e+08
Std Dev 7.005e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil6_err_mean vs run
χ^2 / ndf 1.281e+31 / 87
p0 0.9323 ± 1.066e−16
pull
Entries 88
Mean −1.691e+09
Std Dev 1.691e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aX_coil6_Ndata_mean vs run

dit_4eX_coil6_mean vs run

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run

dit_11X12X_coil6_mean vs run

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ^2 / ndf 1.502e+34 / 87
p0 50.45 ± 1.066e−16
pull
Entries 88
Mean 5.762e+08
Std Dev 5.762e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil6_err_mean vs run
χ^2 / ndf 2.374e+30 / 87
p0 0.3675 ± 1.066e−16
pull
Entries 88
Mean 2.487e+09
Std Dev 2.487e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_4aY_coil6_Ndata_mean vs run

dit_4eY_coil6_mean vs run
χ² / ndf 3.325e+32 / 87
p0 −7.579 ± 1.066e−16
pull
Entries 88
Mean −2.326e+09
Std Dev 2.326e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_4eY_coil6_err_mean vs run

dit_4eY_coil6_Ndata_mean vs run

dit_usl_coil6_mean vs run
χ^2 / ndf 4.381e+36 / 87
p0 −851.4 ± 1.066e−16
0
−200
−400
−600
−800
−1000
pull
Entries 88
Mean −6.476e+08
Std Dev 6.476e+08
×10^15
800
600
400
200
0
−200
pull1D
Entries 88
Mean 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 2.695e+35 / 87
p0 125.6 ± 1.066e−16
pull
Entries 88
Mean −8.447e+08
Std Dev 8.447e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_usl_coil6_Ndata_mean vs run

dit_usr_coil6_mean vs run
χ² / ndf 7.499e+35 / 87
p0 −233.7 ± 1.066e−16
0
−50
−100
−150
−200
−250
−300
pull
Entries 88
Mean −5.606e+08
Std Dev 5.606e+08
×10¹⁵
250
200
150
100
50
0
−50
pull1D
Entries 88
Mean 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 2.335e+35 / 87
p0 121 ± 1.066e−16
pull
Entries 88
Mean −7.035e+10
Std Dev 7.035e+10
pull1D
Entries 88
Mean 0
Std Dev 0

dit_usr_coil6_Ndata_mean vs run

dit_atl1_coil6_mean vs run
χ² / ndf 3.393e+36 / 87
p0 667.2 ± 1.066e−16
pull
Entries 88
Mean −4.955e+08
Std Dev 4.955e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atl1_coil6_err_mean vs run
χ^2 / ndf 2.312e+35 / 87
p0 132.7 ± 1.066e−16
250
200
150
100
50
0
pull
Entries 88
Mean 4.328e+09
Std Dev 4.328e+09
×10^15
100
50
0
−50
−100

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_Ndata_mean vs run

dit_atl2_coil6_mean vs run
χ² / ndf 1.414e+38 / 87
p0 −4771 ± 1.066e−16
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 88
Mean 3.492e+08
Std Dev 3.492e+08
×10¹⁵
5000
4000
3000
2000
1000
0
−1000
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_err_mean vs run
χ^2 / ndf 5.048e+36 / 87
p0 649.4 ± 1.066e−16
1200
1000
800
600
400
200
0
pull
Entries 88
Mean 6.835e+09
Std Dev 6.835e+09
600
400
200
0
−200
−400
−600

pull1D
Entries 88
Mean 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

dit_atr1_coil6_mean vs run
χ^2 / ndf 1.737e+36 / 87
p0 377.5 ± 1.066e−16
pull
Entries 88
Mean 2.102e+10
Std Dev 2.102e+10
pull1D
Entries 88
Mean 0
Std Dev 0

dit_atr1_coil6_err_mean vs run
χ^2 / ndf 2.992e+35 / 87
p0 158.9 ± 1.066e−16
pull
Entries 88
Mean −9.663e+09
Std Dev 9.663e+09

pull1D
Entries 88
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run

dit_atr2_coil6_mean vs run
χ² / ndf 8.269e+37 / 87
p0 −3520 ± 1.066e−16
0
−1000
−2000
−3000
−4000
pull
Entries 88
Mean 9.921e+08
Std Dev 9.921e+08
×10¹⁵
3500
3000
2500
2000
1500
1000
500
0
−500
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_err_mean vs run
χ² / ndf 3.94e+36 / 87
p0 570.1± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −5.151e+08
Std Dev 5.151e+08
×10¹⁵
400
200
0
−200
−400
−600
pull1D
Entries 88
Mean 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

dit_sam1_coil6_mean vs run
χ² / ndf 4.355e+37 / 87
p0 −2736 ± 1.066e−16
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 88
Mean 9.044e+08
Std Dev 9.044e+08
×10¹⁵
2500
2000
1500
1000
500
0
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_err_mean vs run
χ^2 / ndf 1.229e+34 / 87
p0 25.5 ± 1.066e−16
pull
Entries 88
Mean −6.728e+08
Std Dev 6.728e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam1_coil6_Ndata_mean vs run
χ^2 / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_mean vs run
χ^2 / ndf 1.531e+37 / 87
p0 1615 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean −1.925e+09
Std Dev 1.925e+09
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_err_mean vs run
χ^2 / ndf 6.812e+35 / 87
p0 200 ± 1.066e−16
400
300
200
100
0
pull
Entries 88
Mean 3.36e+09
Std Dev 3.36e+09
$\times 10^{15}$
250
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 88
Mean 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_Ndata_mean vs run

dit_sam3_coil6_mean vs run
χ² / ndf 7.34e+36 / 87
p0 −1161 ± 1.066e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 88
Mean 4.55e+08
Std Dev 4.55e+08
×10¹⁵
1200
1000
800
600
400
200
0
−200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil6_err_mean vs run
χ² / ndf 4.405e+35 / 87
p0 134.5 ± 1.066e−16
pull
Entries 88
Mean −1.05e+09
Std Dev 1.05e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam3_coil6_Ndata_mean vs run
χ^2 / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_mean vs run
χ² / ndf 1.017e+38 / 87
p0 –4314 ± 1.066e–16
0
–1000
–2000
–3000
–4000
–5000
pull
Entries 88
Mean 7.641e+08
Std Dev 7.641e+08
×10¹⁵
4000
3000
2000
1000
0
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam4_coil6_err_mean vs run
χ² / ndf 3.272e+36 / 87
p0 232.1± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −7.436e+08
Std Dev 7.436e+08
×10¹⁵
800
600
400
200
0
−200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_Ndata_mean vs run
χ² / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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 6.947e+36 / 87
p0 809.3 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean −9.038e+08
Std Dev 9.038e+08
×10¹⁵
200
0
−200
−400
−600
−800
pull1D
Entries 88
Mean 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 2.04e+35 / 87
p0 64.85 ± 1.066e−16
pull
Entries 88
Mean 8.054e+08
Std Dev 8.054e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run

dit_sam6_coil6_mean vs run
χ^2 / ndf 4.226e+36 / 87
p0 694 ± 1.066e−16
1000
800
600
400
200
0
pull
Entries 88
Mean 1.059e+09
Std Dev 1.059e+09
$\times 10^{15}$
200
0
−200
−400
−600

pull1D
Entries 88
Mean 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 8.805e+34 / 87
p0 66.7 ± 1.066e−16
pull
Entries 88
Mean 1.058e+09
Std Dev 1.058e+09
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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
χ^2 / ndf 5.55e+35 / 87
p0 292.9 ± 1.066e−16
pull
Entries 88
Mean 5.312e+08
Std Dev 5.312e+08

pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam7_coil6_err_mean vs run
χ² / ndf 2.16e+35 / 87
p0 53.56 ± 1.066e−16
pull
Entries 88
Mean 1.991e+08
Std Dev 1.991e+08
pull1D
Entries 88
Mean 0
Std Dev 0

dit_sam7_coil6_Ndata_mean vs run
χ² / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 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
χ^2 / ndf 5.709e+37 / 87
p0 –3184 ± 1.066e–16
0
–500
–1000
–1500
–2000
–2500
–3000
–3500
pull
Entries 88
Mean –4.871e+08
Std Dev 4.871e+08
×10^15
3000
2500
2000
1500
1000
500
0
pull1D
Entries 88
Mean 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 2.975e+35 / 87
p0 43.26 ± 1.066e−16
300
250
200
150
100
50
0
pull
Entries 88
Mean 1.54e+08
Std Dev 1.54e+08
×10^15
250
200
150
100
50
0
−50
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 3.387e+37 / 87
p0 1149 ± 1.066e−16
2000
1500
1000
500
0
pull
Entries 88
Mean 1.944e+09
Std Dev 1.944e+09
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_mean vs run
χ^2 / ndf 1.963e+08 / 87
p0 6085 ± 160.1
7000
6000
5000
4000
3000
2000
1000
0

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_run_rms vs run
χ^2 / ndf 1.963e+08 / 87
p0 6085 ± 160.1
7000
6000
5000
4000
3000
2000
1000
0

dit_slug_slope vs run
χ^2 / ndf 0 / 87
p0 136 ± 0.1066
137
136.8
136.6
136.4
136.2
136

pull1D
Entries 88
Mean 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 1.853e+08 / 87
p0 5911 ± 155.6
6000
5000
4000
3000
2000
1000
0

pull1D
Entries 88
Mean 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
χ^2 / ndf 1.853e+08 / 87
p0 5911 ± 155.6
6000
5000
4000
3000
2000
1000
0

dit_scandata1_mean vs run
χ^2 / ndf 0 / 87
p0 0 ± 0.1066
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 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 / 87
p0 0 ± 0.1066
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 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 4.716 / 87
p0 0.9432 ± 0.02482
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 88
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_flag_rms vs run

reg_asym_sam1_diff_bpm4aX_slope vs run
χ^2 / ndf 69.74 / 87
p0 −14.31 ± 0.3708
pull
Entries 88
Mean 135
Std Dev 81.39
pull1D
Entries 88
Mean 0.02978
Std Dev 0.8897

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 36.75 / 87
p0 −54.91 ± 0.263
pull
Entries 88
Mean 2132
Std Dev 2066

pull1D
Entries 88
Mean −0.0003668
Std Dev 0.6463

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 69.09 / 87
p0 4.562 ± 0.4026
pull
Entries 88
Mean 152.3
Std Dev 98.6

pull1D
Entries 88
Mean −0.01986
Std Dev 0.8858

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 59.45 / 87
p0 12 ± 0.2638
pull
Entries 88
Mean 54.16
Std Dev 25.52

pull1D
Entries 88
Mean −0.03081
Std Dev 0.8214

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 53.68 / 87
p0 0.3778 ± 0.01087
pull
Entries 88
Mean 570.7
Std Dev 535.3
pull1D
Entries 88
Mean 0.01417
Std Dev 0.7809

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 22.62 / 87
p0 −96.75 ± 3.316
pull
Entries 88
Mean −163.9
Std Dev 203.6

pull1D
Entries 88
Mean −0.04041
Std Dev 0.5054

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 12.62 / 87
p0 −42.53 ± 2.318
pull
Entries 88
Mean −70.04
Std Dev 112.1
pull1D
Entries 88
Mean −0.04163
Std Dev 0.3765

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 23.31 / 87
p0 −111.3 ± 3.596
pull
Entries 88
Mean −114.4
Std Dev 153.2
pull1D
Entries 88
Mean 0.04631
Std Dev 0.5126

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 12.08 / 87
p0 −158.1 ± 2.331
−100
−120
−140
−160
−180
−200
pull
Entries 88
Mean −122.3
Std Dev 163.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 88
Mean 0.03402
Std Dev 0.369
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 14.88 / 87
p0 1.414 ± 0.09729
pull
Entries 88
Mean −477.1
Std Dev 513.2

pull1D
Entries 88
Mean −0.0128
Std Dev 0.411

reg_asym_sam3_diff_bpm4aX_slope vs run
χ^2 / ndf 85.57 / 87
p0 −65.01 ± 1.92
pull
Entries 88
Mean 125.2
Std Dev 66.23

pull1D
Entries 88
Mean 0.0669
Std Dev 0.9838

reg_asym_sam3_diff_bpm4aY_slope vs run
χ^2 / ndf 12.87 / 87
p0 −9.596 ± 1.335
pull
Entries 88
Mean −387.3
Std Dev 420.6

pull1D
Entries 88
Mean −0.007433
Std Dev 0.3824

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 43.23 / 87
p0 −65.15 ± 2.083
pull
Entries 88
Mean 133.8
Std Dev 74.79
pull1D
Entries 88
Mean −0.04597
Std Dev 0.6993

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 17.98 / 87
p0 37.35 ± 1.343
pull
Entries 88
Mean −252.6
Std Dev 287.5

pull1D
Entries 88
Mean 0.01646
Std Dev 0.4517

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 9.267 / 87
p0 0.4666 ± 0.05586
pull
Entries 88
Mean −3997
Std Dev 4036

pull1D
Entries 88
Mean −0.001021
Std Dev 0.3245

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 173.3 / 87
p0 −87.57 ± 3.633
pull
Entries 88
Mean −3.592
Std Dev 19.52

pull1D
Entries 88
Mean 0.2258
Std Dev 0.7638

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 31.01 / 87
p0 22.1 ± 2.535
pull
Entries 88
Mean 210.3
Std Dev 180.9

pull1D
Entries 88
Mean 0.02096
Std Dev 0.5933

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 117.6 / 87
p0 −112.9 ± 3.948
pull
Entries 88
Mean −6.853
Std Dev 11.63

pull1D
Entries 88
Mean −0.1796
Std Dev 0.7338

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 29.04 / 87
p0 237.4 ± 2.548
pull
Entries 88
Mean 591.7
Std Dev 556.2

pull1D
Entries 88
Mean −0.01095
Std Dev 0.5744

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 10.99 / 87
p0 0.4382 ± 0.1048
pull
Entries 88
Mean 264.2
Std Dev 218.7

pull1D
Entries 88
Mean 0.01412
Std Dev 0.3532

reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 71.65 / 87
p0 1.487 ± 1.196
pull
Entries 88
Mean −117.3
Std Dev 150.8

pull1D
Entries 88
Mean 0.04625
Std Dev 0.9012

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 30.15 / 87
p0 53.53 ± 0.8388
pull
Entries 88
Mean 124.1
Std Dev 119.2
pull1D
Entries 88
Mean 0.01141
Std Dev 0.5852

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 71.7 / 87
p0 −0.008523 ± 1.3
pull
Entries 88
Mean −98.62
Std Dev 131.4

pull1D
Entries 88
Mean −0.05179
Std Dev 0.9012

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.53 / 87
p0 99.65 ± 0.8421
120
110
100
90
80
pull
Entries 88
Mean 2.704e+04
Std Dev 2.699e+04
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 88
Mean 7.09e−05
Std Dev 0.4589
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 5.858 / 87
p0 0.218 ± 0.03441
pull
Entries 88
Mean 370.3
Std Dev 341.8
pull1D
Entries 88
Mean −0.005687
Std Dev 0.2579

reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 31.06 / 87
p0 46.27 ± 1.166
pull
Entries 88
Mean −57.1
Std Dev 91.83

pull1D
Entries 88
Mean 0.03998
Std Dev 0.5927

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 34.46 / 87
p0 44.9 ± 0.8171
pull
Entries 88
Mean −184.2
Std Dev 238

pull1D
Entries 88
Mean 0.0109
Std Dev 0.6257

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 30.6 / 87
p0 8.985 ± 1.265
pull
Entries 88
Mean −76.42
Std Dev 112.1

pull1D
Entries 88
Mean −0.04617
Std Dev 0.5879

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 40.94 / 87
p0 64.99 ± 0.8211
pull
Entries 88
Mean −623.4
Std Dev 666.4

pull1D
Entries 88
Mean −0.01405
Std Dev 0.6819

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 17.08 / 87
p0 0.0832 ± 0.03404
pull
Entries 88
Mean −5696
Std Dev 5731
pull1D
Entries 88
Mean 0.001127
Std Dev 0.4406

reg_asym_sam7_diff_bpm4aX_slope vs run
χ² / ndf 183.2 / 87
p0 28.62 ± 0.5763
pull
Entries 88
Mean 89.59
Std Dev 5.681

pull1D
Entries 88
Mean 0.2306
Std Dev 1.077

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 120.4 / 87
p0 15.77 ± 0.4026
pull
Entries 88
Mean −508.2
Std Dev 544.9
pull1D
Entries 88
Mean −0.02506
Std Dev 1.17

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 165.1 / 87
p0 −71.86 ± 0.6252
pull
Entries 88
Mean 105.6
Std Dev 41.21

pull1D
Entries 88
Mean −0.209
Std Dev 1.051

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 173 / 87
p0 −22.67 ± 0.4049
pull
Entries 88
Mean −282.2
Std Dev 319.5
pull1D
Entries 88
Mean 0.06206
Std Dev 1.401

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 61.5 / 87
p0 0.72 ± 0.01683
pull
Entries 88
Mean −1341
Std Dev 1383
pull1D
Entries 88
Mean −0.01065
Std Dev 0.8359

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 509.4 / 87
p0 13.3 ± 0.441
pull
Entries 88
Mean 19.88
Std Dev 38.84

pull1D
Entries 88
Mean 0.4546
Std Dev 1.593

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 248.8 / 87
p0 −32.72 ± 0.3083
pull
Entries 88
Mean 297.4
Std Dev 270.5

pull1D
Entries 88
Mean −0.08671
Std Dev 1.271

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 466.6 / 87
p0 –45.03 ± 0.4786
pull
Entries 88
Mean 26.66
Std Dev 42.02

pull1D
Entries 88
Mean –0.4367
Std Dev 1.545

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 288.5 / 87
p0 39.59 ± 0.3099
pull
Entries 88
Mean −599.1
Std Dev 631.7

pull1D
Entries 88
Mean 0.1427
Std Dev 1.446

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 58.57 / 87
p0 0.5332 ± 0.01285
pull
Entries 88
Mean 2083
Std Dev 2040

pull1D
Entries 88
Mean 0.006979
Std Dev 0.8158

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 56.92 / 87
p0 −130.2 ± 2.662
pull
Entries 88
Mean 28.52
Std Dev 54.37
pull1D
Entries 88
Mean −0.05868
Std Dev 0.8021

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 57.61 / 87
p0 4.991 ± 1.87
pull
Entries 88
Mean 329.8
Std Dev 297.6

pull1D
Entries 88
Mean −0.0191
Std Dev 0.8089

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 57.12 / 87
p0 90.39 ± 2.891
pull
Entries 88
Mean 38.16
Std Dev 55.1

pull1D
Entries 88
Mean 0.06009
Std Dev 0.8034

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 70.83 / 87
p0 7.455 ± 1.877
pull
Entries 88
Mean 1087
Std Dev 1053
pull1D
Entries 88
Mean 0.008627
Std Dev 0.8971

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 195.9 / 87
p0 −47.22 ± 0.07753
pull
Entries 88
Mean 331.6
Std Dev 296.9

pull1D
Entries 88
Mean 0.02936
Std Dev 1.492

reg_asym_usr_diff_bpm4aX_slope vs run
χ^2 / ndf 129 / 87
p0 −114.6 ± 2.664
pull
Entries 88
Mean 53.71
Std Dev 43.4
pull1D
Entries 88
Mean −0.1097
Std Dev 1.206

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 76.08 / 87
p0 1.157 ± 1.871
pull
Entries 88
Mean 1450
Std Dev 1415

pull1D
Entries 88
Mean −0.005423
Std Dev 0.9298

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 129.6 / 87
p0 193.3 ± 2.892
pull
Entries 88
Mean 68.23
Std Dev 36.2

pull1D
Entries 88
Mean 0.1073
Std Dev 1.209

reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 105.3 / 87
p0 12.87 ± 1.879
pull
Entries 88
Mean −898
Std Dev 934

pull1D
Entries 88
Mean −0.0133
Std Dev 1.094

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 131.2 / 87
p0 −48.17 ± 0.07773
pull
Entries 88
Mean −110.9
Std Dev 162.6
pull1D
Entries 88
Mean 0.02423
Std Dev 1.221

reg_asym_dsl_diff_bpm4aX_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ^2 / ndf 73.47 / 87
p0 −0.05145 ± 0.1032
pull
Entries 88
Mean 267.4
Std Dev 228.8
pull1D
Entries 88
Mean 0.01182
Std Dev 0.9137

reg_asym_dsl_diff_bpm4eX_slope vs run
χ^2 / ndf 71.81 / 87
p0 0.1811 ± 0.1588
pull
Entries 88
Mean 3181
Std Dev 3134
pull1D
Entries 88
Mean 0.0004592
Std Dev 0.9033

reg_asym_dsl_diff_bpm4eY_slope vs run
χ^2 / ndf 74.33 / 87
p0 0.02563 ± 0.1035
pull
Entries 88
Mean 285.4
Std Dev 246
pull1D
Entries 88
Mean −0.01224
Std Dev 0.919

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 90.13 / 87
p0 −0.01354 ± 0.004257
pull
Entries 88
Mean −19.9
Std Dev 89.51

pull1D
Entries 88
Mean −0.01084
Std Dev 1.012

reg_asym_dsr_diff_bpm4aX_slope vs run
χ^2 / ndf 96.72 / 87
p0 −0.08498 ± 0.1971
pull
Entries 88
Mean −530.1
Std Dev 617

pull1D
Entries 88
Mean −0.00107
Std Dev 1.048

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 88.92 / 87
p0 0.2235 ± 0.1391
pull
Entries 88
Mean −44.76
Std Dev 91.4

pull1D
Entries 88
Mean 0.026
Std Dev 1.005

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 95.19 / 87
p0 0.05431 ± 0.2141
pull
Entries 88
Mean −9150
Std Dev 9225
pull1D
Entries 88
Mean 8.183e−05
Std Dev 1.04

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 92.12 / 87
p0 −0.1786 ± 0.1396
pull
Entries 88
Mean −100.9
Std Dev 147
pull1D
Entries 88
Mean −0.01797
Std Dev 1.023

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 86.76 / 87
p0 0.006826 ± 0.005744
pull
Entries 88
Mean −99.31
Std Dev 143.1

pull1D
Entries 88
Mean −0.009503
Std Dev 0.9929

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 101.4 / 87
p0 −122.4 ± 2.247
pull
Entries 88
Mean 45.05
Std Dev 49.32

pull1D
Entries 88
Mean −0.09749
Std Dev 1.069

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 65.53 / 87
p0 3.114 ± 1.577
pull
Entries 88
Mean 518.9
Std Dev 484.8

pull1D
Entries 88
Mean −0.01622
Std Dev 0.8628

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 101.8 / 87
p0 141.9 ± 2.44
pull
Entries 88
Mean 57.81
Std Dev 46.42

pull1D
Entries 88
Mean 0.09715
Std Dev 1.071

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 94.47 / 87
p0 10.1 ± 1.583
pull
Entries 88
Mean −6.162e+04
Std Dev 6.166e+04

pull1D
Entries 88
Mean −0.000206
Std Dev 1.036

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 187.3 / 87
p0 −47.69 ± 0.06548
pull
Entries 88
Mean 155.6
Std Dev 134.9

pull1D
Entries 88
Mean 0.0237
Std Dev 1.459

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 68.25 / 87
p0 −7.728 ± 1.427
pull
Entries 88
Mean 81.36
Std Dev 28.65

pull1D
Entries 88
Mean 0.04578
Std Dev 0.8794

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 69.97 / 87
p0 1.785 ± 1.004
pull
Entries 88
Mean −324.5
Std Dev 368.4
pull1D
Entries 88
Mean −0.006011
Std Dev 0.8916

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 68.84 / 87
p0 −51.47 ± 1.549
pull
Entries 88
Mean 105.1
Std Dev 57.83

pull1D
Entries 88
Mean −0.04317
Std Dev 0.8834

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.28 / 87
p0 −2.505 ± 1.008
pull
Entries 88
Mean −308.8
Std Dev 350.5

pull1D
Entries 88
Mean 0.009974
Std Dev 0.9062

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 105.3 / 87
p0 0.4651± 0.04164
pull
Entries 88
Mean 906.8
Std Dev 866.6
pull1D
Entries 88
Mean 0.01343
Std Dev 1.094

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 86.56 / 87
p0 −0.1253 ± 0.1228
pull
Entries 88
Mean 468.4
Std Dev 479.2
pull1D
Entries 88
Mean −0.0007502
Std Dev 0.9918

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 98.11 / 87
p0 0.08704 ± 0.08671
pull
Entries 88
Mean 33.97
Std Dev 33.89

pull1D
Entries 88
Mean 0.02711
Std Dev 1.056

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 85.29 / 87
p0 0.1183 ± 0.1334
pull
Entries 88
Mean 9510
Std Dev 9532

pull1D
Entries 88
Mean 2.625e−05
Std Dev 0.9845

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 98.72 / 87
p0 −0.0771± 0.08697
pull
Entries 88
Mean 28.67
Std Dev 38.38
pull1D
Entries 88
Mean −0.0212
Std Dev 1.059

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 87.92 / 87
p0 −0.003389 ± 0.003579
pull
Entries 88
Mean −68.79
Std Dev 120.9
pull1D
Entries 88
Mean −0.01328
Std Dev 0.9995

reg_asym_ds_dd_diff_bpm4aX_slope vs run

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 69 / 87
p0 −0.1369 ± 0.08652
pull
Entries 88
Mean −195.1
Std Dev 237.8
pull1D
Entries 88
Mean −0.01458
Std Dev 0.8854

reg_asym_ds_dd_diff_bpm4eX_slope vs run

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.24 / 87
p0 0.1018 ± 0.08678
pull
Entries 88
Mean −462.8
Std Dev 505.7
pull1D
Entries 88
Mean 0.007732
Std Dev 0.9123

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 87.73 / 87
p0 −0.01018 ± 0.003571
pull
Entries 88
Mean −437.4
Std Dev 462.3
pull1D
Entries 88
Mean 0.001451
Std Dev 0.9984

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.26 / 87
p0 −65.16 ± 1.333
pull
Entries 88
Mean 29.74
Std Dev 54.84
pull1D
Entries 88
Mean −0.05851
Std Dev 0.7974

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 56.28 / 87
p0 2.469 ± 0.9366
pull
Entries 88
Mean 331.8
Std Dev 299.8

pull1D
Entries 88
Mean −0.01839
Std Dev 0.7995

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 56.45 / 87
p0 45.29 ± 1.448
pull
Entries 88
Mean 39.41
Std Dev 55.32

pull1D
Entries 88
Mean 0.05992
Std Dev 0.7987

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 69.12 / 87
p0 3.741 ± 0.9403
pull
Entries 88
Mean 1153
Std Dev 1119

pull1D
Entries 88
Mean 0.007943
Std Dev 0.8862

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 196.8 / 87
p0 −23.62 ± 0.03883
pull
Entries 88
Mean 339.1
Std Dev 304.4

pull1D
Entries 88
Mean 0.02865
Std Dev 1.495

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ² / ndf 57.68 / 87
p0 −64.99 ± 1.333
pull
Entries 88
Mean 27.3
Std Dev 53.87
pull1D
Entries 88
Mean −0.05869
Std Dev 0.8075

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 59.06 / 87
p0 2.521 ± 0.936
pull
Entries 88
Mean 328.4
Std Dev 296
pull1D
Entries 88
Mean −0.01971
Std Dev 0.819

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.9 / 87
p0 45.1 ± 1.447
pull
Entries 88
Mean 36.9
Std Dev 54.83

pull1D
Entries 88
Mean 0.0601
Std Dev 0.8089

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 72.59 / 87
p0 3.715 ± 0.9397
pull
Entries 88
Mean 1034
Std Dev 999.5
pull1D
Entries 88
Mean 0.009255
Std Dev 0.9082

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 194.4 / 87
p0 −23.61 ± 0.03881
pull
Entries 88
Mean 323.2
Std Dev 288.8

pull1D
Entries 88
Mean 0.0301
Std Dev 1.486

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 130.1 / 87
p0 −57.34 ± 1.335
pull
Entries 88
Mean 53.24
Std Dev 43.05

pull1D
Entries 88
Mean −0.1096
Std Dev 1.211

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.96 / 87
p0 0.6849 ± 0.9378
pull
Entries 88
Mean 2438
Std Dev 2403

pull1D
Entries 88
Mean −0.003248
Std Dev 0.9168

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 130.8 / 87
p0 96.66 ± 1.449
140
120
100
80
60
40
pull
Entries 88
Mean 67.64
Std Dev 36.12
2
0
−2
−4
−6

pull1D
Entries 88
Mean 0.1072
Std Dev 1.214
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 103 / 87
p0 6.35 ± 0.9416
pull
Entries 88
Mean −809.1
Std Dev 845.3

pull1D
Entries 88
Mean −0.01488
Std Dev 1.082

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 128.6 / 87
p0 −24.08 ± 0.03896
pull
Entries 88
Mean −110.1
Std Dev 162

pull1D
Entries 88
Mean 0.02365
Std Dev 1.209

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 127.6 / 87
p0 −57.26 ± 1.336
pull
Entries 88
Mean 54.16
Std Dev 43.74

pull1D
Entries 88
Mean −0.1092
Std Dev 1.199

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 78.37 / 87
p0 0.4728 ± 0.9383
pull
Entries 88
Mean 1020
Std Dev 985

pull1D
Entries 88
Mean −0.007613
Std Dev 0.9437

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 128 / 87
p0 96.62 ± 1.45
pull
Entries 88
Mean 68.78
Std Dev 36.29

pull1D
Entries 88
Mean 0.107
Std Dev 1.201

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 107.5 / 87
p0 6.516 ± 0.9421
pull
Entries 88
Mean −1021
Std Dev 1056
pull1D
Entries 88
Mean −0.01155
Std Dev 1.105

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 133.4 / 87
p0 −24.09 ± 0.03898
pull
Entries 88
Mean −111
Std Dev 162.5
pull1D
Entries 88
Mean 0.02475
Std Dev 1.231

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 126.3 / 87
p0 −6.134 ± 0.4457
pull
Entries 88
Mean −237
Std Dev 270.3
pull1D
Entries 88
Mean 0.03177
Std Dev 1.197

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 124.2 / 87
p0 1.984 ± 0.4847
pull
Entries 88
Mean −204
Std Dev 237
pull1D
Entries 88
Mean −0.03663
Std Dev 1.188

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.81 / 87
p0 55.76 ± 0.3129
pull
Entries 88
Mean −2192
Std Dev 2244
pull1D
Entries 88
Mean −0.001088
Std Dev 0.7747

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 10.7 / 87
p0 0.294 ± 0.01277
pull
Entries 88
Mean 96.67
Std Dev 16.78

pull1D
Entries 88
Mean 0.01429
Std Dev 0.3484

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 50.72 / 87
p0 −7.685 ± 0.7652
pull
Entries 88
Mean −88.53
Std Dev 122.6

pull1D
Entries 88
Mean −0.04856
Std Dev 0.7576

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.24 / 87
p0 −54.28 ± 0.5382
pull
Entries 88
Mean 388.1
Std Dev 381.4
pull1D
Entries 88
Mean −0.002528
Std Dev 0.4796

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.75 / 87
p0 2.058 ± 0.8316
pull
Entries 88
Mean −69.98
Std Dev 103.1

pull1D
Entries 88
Mean 0.0547
Std Dev 0.7649

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.22 / 87
p0 −43.86 ± 0.5402
pull
Entries 88
Mean 493.5
Std Dev 440.9
pull1D
Entries 88
Mean −0.003496
Std Dev 0.3571

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.01 / 87
p0 0.07759 ± 0.02211
pull
Entries 88
Mean 289.6
Std Dev 256.5

pull1D
Entries 88
Mean 0.01349
Std Dev 0.3371

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.37 / 87
p0 3.071 ± 0.8595
pull
Entries 88
Mean −502.7
Std Dev 538.2

pull1D
Entries 88
Mean −0.01046
Std Dev 0.5368

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.5 / 87
p0 −68.58 ± 1.34
pull
Entries 88
Mean 127.6
Std Dev 67.54

pull1D
Entries 88
Mean −0.05833
Std Dev 0.834

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 37 / 87
p0 7.355 ± 0.8647
pull
Entries 88
Mean −282.3
Std Dev 318.7
pull1D
Entries 88
Mean 0.02608
Std Dev 0.6479

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 14.77 / 87
p0 0.5945 ± 0.03597
pull
Entries 88
Mean −1292
Std Dev 1333
pull1D
Entries 88
Mean −0.004968
Std Dev 0.4097

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 68.8 / 87
p0 −46.9 ± 0.6956
−40
−50
−60
−70
−80
pull
Entries 88
Mean 149.4
Std Dev 94.79
1
0
−1
−2
−3
−4
−5
−6
−7

pull1D
Entries 88
Mean 0.04787
Std Dev 0.8829
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.462 / 87
p0 −12.63 ± 0.4832
pull
Entries 88
Mean 264.7
Std Dev 213.8

pull1D
Entries 88
Mean −0.006115
Std Dev 0.31

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.44 / 87
p0 3.47 ± 0.7548
pull
Entries 88
Mean 143
Std Dev 86.02

pull1D
Entries 88
Mean −0.02765
Std Dev 0.5474

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.879 / 87
p0 29.95 ± 0.4862
pull
Entries 88
Mean 416.6
Std Dev 367.1

pull1D
Entries 88
Mean 0.004553
Std Dev 0.3176

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.841 / 87
p0 −0.1273 ± 0.0202
pull
Entries 88
Mean −47.7
Std Dev 118.7

pull1D
Entries 88
Mean 0.004538
Std Dev 0.3344

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 33.74 / 87
p0 −25.14 ± 1.13
pull
Entries 88
Mean −194.2
Std Dev 234.8
pull1D
Entries 88
Mean −0.04302
Std Dev 0.6177

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.47 / 87
p0 1.134 ± 0.788
pull
Entries 88
Mean −64.19
Std Dev 103.7
pull1D
Entries 88
Mean −0.05236
Std Dev 0.4675

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 30.14 / 87
p0 −51.09 ± 1.225
pull
Entries 88
Mean −145.5
Std Dev 185.4

pull1D
Entries 88
Mean 0.0421
Std Dev 0.5837

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.59 / 87
p0 −46.32 ± 0.7928
pull
Entries 88
Mean −87.32
Std Dev 128
pull1D
Entries 88
Mean 0.02743
Std Dev 0.4463

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 16.47 / 87
p0 0.7458 ± 0.03314
pull
Entries 88
Mean −446.2
Std Dev 483.1

pull1D
Entries 88
Mean −0.01326
Std Dev 0.4324

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 21.2 / 87
p0 −71.57 ± 2.215
−40
−60
−80
−100
−120
−140
pull
Entries 88
Mean −142.5
Std Dev 181.7
1
0.5
0
−0.5
−1

pull1D
Entries 88
Mean −0.03947
Std Dev 0.4892
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.13 / 87
p0 −43.71 ± 1.549
pull
Entries 88
Mean −80.2
Std Dev 124.1
pull1D
Entries 88
Mean −0.03403
Std Dev 0.3992

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.79 / 87
p0 −60.16 ± 2.402
pull
Entries 88
Mean −102.6
Std Dev 140.6

pull1D
Entries 88
Mean 0.04737
Std Dev 0.5067

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.88 / 87
p0 −111.7 ± 1.558
pull
Entries 88
Mean −158.4
Std Dev 200.2

pull1D
Entries 88
Mean 0.03297
Std Dev 0.4098

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.84 / 87
p0 0.6669 ± 0.06494
pull
Entries 88
Mean −560.3
Std Dev 596.1

pull1D
Entries 88
Mean −0.01107
Std Dev 0.4105

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 201.9 / 87
p0 −36.98 ± 2.013
pull
Entries 88
Mean −0.2939
Std Dev 25.15
pull1D
Entries 88
Mean 0.2469
Std Dev 0.8604

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.8 / 87
p0 −5.392 ± 1.404
pull
Entries 88
Mean 201.5
Std Dev 172.1
pull1D
Entries 88
Mean 0.02587
Std Dev 0.705

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 144.3 / 87
p0 −79.13 ± 2.187
pull
Entries 88
Mean −0.6335
Std Dev 25.52

pull1D
Entries 88
Mean −0.2029
Std Dev 0.8269

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.32 / 87
p0 138.6 ± 1.412
pull
Entries 88
Mean 629.3
Std Dev 594.2

pull1D
Entries 88
Mean −0.01233
Std Dev 0.6934

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 13.38 / 87
p0 0.4825 ± 0.05813
pull
Entries 88
Mean 310.3
Std Dev 265.3
pull1D
Entries 88
Mean 0.01647
Std Dev 0.3895

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 141.2 / 87
p0 −50.63 ± 1.626
pull
Entries 88
Mean −7.843
Std Dev 1.847

pull1D
Entries 88
Mean 0.2012
Std Dev 0.6442

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.79 / 87
p0 27.5 ± 1.135
pull
Entries 88
Mean 240
Std Dev 210.8

pull1D
Entries 88
Mean 0.01395
Std Dev 0.4619

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 88.58 / 87
p0 −33.73 ± 1.767
pull
Entries 88
Mean −16.51
Std Dev 29.1

pull1D
Entries 88
Mean −0.06773
Std Dev 1.001

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.4 / 87
p0 98.76 ± 1.14
pull
Entries 88
Mean 622.2
Std Dev 586.3

pull1D
Entries 88
Mean −0.007693
Std Dev 0.4446

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 9.153 / 87
p0 −0.04316 ± 0.04685
pull
Entries 88
Mean 198
Std Dev 151
pull1D
Entries 88
Mean 0.009836
Std Dev 0.3224

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 34.82 / 87
p0 −27.11 ± 0.4784
pull
Entries 88
Mean −393.9
Std Dev 436.3

pull1D
Entries 88
Mean −0.01881
Std Dev 0.6287

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.77 / 87
p0 −33.46 ± 0.3335
pull
Entries 88
Mean 280.4
Std Dev 250

pull1D
Entries 88
Mean −0.006025
Std Dev 0.4096

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 8.862 / 87
p0 −6.978 ± 0.3354
pull
Entries 88
Mean 8.811
Std Dev 60.1
pull1D
Entries 88
Mean 0.003943
Std Dev 0.3173

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 14.12 / 87
p0 −0.02099 ± 0.01397
pull
Entries 88
Mean −7286
Std Dev 7310

pull1D
Entries 88
Mean −0.0002902
Std Dev 0.4005

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 53.96 / 87
p0 5.548 ± 0.5993
pull
Entries 88
Mean 383.6
Std Dev 334.9

pull1D
Entries 88
Mean −0.02548
Std Dev 0.7827

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.29 / 87
p0 −1.935 ± 0.4166
pull
Entries 88
Mean −204.9
Std Dev 244.1

pull1D
Entries 88
Mean 0.02265
Std Dev 0.388

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.7 / 87
p0 35.77 ± 0.6499
pull
Entries 88
Mean 1865
Std Dev 1818

pull1D
Entries 88
Mean 0.004342
Std Dev 0.581

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.94 / 87
p0 24.32 ± 0.4192
pull
Entries 88
Mean −190.1
Std Dev 227.7

pull1D
Entries 88
Mean −0.04091
Std Dev 0.6466

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.48 / 87
p0 −0.1515 ± 0.01748
pull
Entries 88
Mean −405.1
Std Dev 444.6
pull1D
Entries 88
Mean 0.0144
Std Dev 0.3911

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 40.74 / 87
p0 −62.09 ± 1.575
pull
Entries 88
Mean 107.6
Std Dev 47.73

pull1D
Entries 88
Mean 0.05499
Std Dev 0.6782

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.74 / 87
p0 −7.926 ± 1.098
pull
Entries 88
Mean −120.9
Std Dev 158.8
pull1D
Entries 88
Mean −0.02566
Std Dev 0.2955

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 23.09 / 87
p0 −46 ± 1.708
pull
Entries 88
Mean 135.7
Std Dev 80.86

pull1D
Entries 88
Mean −0.03573
Std Dev 0.511

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.27 / 87
p0 −6.684 ± 1.104
pull
Entries 88
Mean −178.9
Std Dev 218.1

pull1D
Entries 88
Mean 0.03067
Std Dev 0.3871

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 10.96 / 87
p0 0.3164 ± 0.04599
pull
Entries 88
Mean −631.7
Std Dev 668.5
pull1D
Entries 88
Mean −0.008127
Std Dev 0.3527

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 374 / 87
p0 4.756 ± 0.77
pull
Entries 88
Mean −111.8
Std Dev 142.4

pull1D
Entries 88
Mean −0.2763
Std Dev 1.226

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 70.63 / 87
p0 2.974 ± 0.5385
pull
Entries 88
Mean 64.8
Std Dev 59.06

pull1D
Entries 88
Mean −0.04739
Std Dev 0.8946

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 278 / 87
p0 15.08 ± 0.8374
pull
Entries 88
Mean −96.37
Std Dev 126

pull1D
Entries 88
Mean 0.2342
Std Dev 1.171

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 65.52 / 87
p0 −92.43 ± 0.541
pull
Entries 88
Mean 240.3
Std Dev 207.6
pull1D
Entries 88
Mean 0.03438
Std Dev 0.8622

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.85 / 87
p0 0.1216 ± 0.0221
pull
Entries 88
Mean 118.2
Std Dev 59.93

pull1D
Entries 88
Mean −0.007548
Std Dev 0.4867

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 137.9 / 87
p0 −12.45 ± 0.7114
pull
Entries 88
Mean 64.72
Std Dev 41.93

pull1D
Entries 88
Mean 0.2087
Std Dev 0.7606

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.55 / 87
p0 1.08 ± 0.4959
pull
Entries 88
Mean 801.2
Std Dev 768.3

pull1D
Entries 88
Mean 0.00706
Std Dev 0.6871

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.99 / 87
p0 −32.97 ± 0.7724
pull
Entries 88
Mean 61.5
Std Dev 44.75

pull1D
Entries 88
Mean −0.0859
Std Dev 1.041

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.17 / 87
p0 31.74 ± 0.4986
pull
Entries 88
Mean −2175
Std Dev 2211

pull1D
Entries 88
Mean 0.003085
Std Dev 0.6671

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 14.99 / 87
p0 0.4399 ± 0.02062
pull
Entries 88
Mean 575
Std Dev 532.6

pull1D
Entries 88
Mean 0.01154
Std Dev 0.4125

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 108.5 / 87
p0 −31.93 ± 1.442
pull
Entries 88
Mean 55.32
Std Dev 43.83

pull1D
Entries 88
Mean 0.193
Std Dev 0.6626

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 29.94 / 87
p0 −2.138 ± 1.005
pull
Entries 88
Mean −1734
Std Dev 1768

pull1D
Entries 88
Mean −0.002814
Std Dev 0.5833

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.12 / 87
p0 −64.33 ± 1.565
pull
Entries 88
Mean 51.39
Std Dev 45.71

pull1D
Entries 88
Mean −0.08152
Std Dev 0.9203

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.21 / 87
p0 46 ± 1.011
pull
Entries 88
Mean −521.2
Std Dev 557

pull1D
Entries 88
Mean 0.01116
Std Dev 0.576

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 12.42 / 87
p0 0.6158 ± 0.04191
pull
Entries 88
Mean 1511
Std Dev 1470

pull1D
Entries 88
Mean 0.003882
Std Dev 0.3757

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.34 / 87
p0 1.614 ± 0.259
pull
Entries 88
Mean −367.2
Std Dev 401.3

pull1D
Entries 88
Mean 0.01121
Std Dev 0.4806

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.89 / 87
p0 −7.132 ± 0.2604
pull
Entries 88
Mean −281.7
Std Dev 317.8
pull1D
Entries 88
Mean −0.01753
Std Dev 0.4869

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 10.57 / 87
p0 −0.08765 ± 0.01082
pull
Entries 88
Mean −2523
Std Dev 2562
pull1D
Entries 88
Mean 0.002019
Std Dev 0.3466

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 118.2 / 87
p0 −22.19 ± 1.075
pull
Entries 88
Mean 58.56
Std Dev 43.43
pull1D
Entries 88
Mean 0.1986
Std Dev 0.6946

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.39 / 87
p0 38.87 ± 0.7532
pull
Entries 88
Mean −710.3
Std Dev 746

pull1D
Entries 88
Mean 0.008614
Std Dev 0.6066

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 13.2 / 87
p0 0.5279 ± 0.03121
pull
Entries 88
Mean 976.9
Std Dev 935.4

pull1D
Entries 88
Mean 0.006273
Std Dev 0.3873

reg_asym_atl1_diff_bpm4aX_slope vs run
χ^2 / ndf 102.8 / 87
p0 −64.75 ± 3.76
pull
Entries 88
Mean −9.452
Std Dev 16.62

pull1D
Entries 88
Mean −0.07703
Std Dev 1.078

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 107.1 / 87
p0 17.16 ± 2.65
150
100
50
0
−50
−100
pull
Entries 88
Mean 4356
Std Dev 4325
3
2
1
0
−1
−2

pull1D
Entries 88
Mean −0.001183
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 101.8 / 87
p0 116.4 ± 4.084
pull
Entries 88
Mean −4.719
Std Dev 8.372

pull1D
Entries 88
Mean 0.07742
Std Dev 1.073

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 112 / 87
p0 −39.79 ± 2.659
pull
Entries 88
Mean −966.2
Std Dev 998.3

pull1D
Entries 88
Mean −0.007822
Std Dev 1.128

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 127.9 / 87
p0 −28.36 ± 0.1095
pull
Entries 88
Mean 144.1
Std Dev 118.3
pull1D
Entries 88
Mean 0.01721
Std Dev 1.205

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 47.75 / 87
p0 −713.5 ± 13.8
pull
Entries 88
Mean 130.3
Std Dev 78.14

pull1D
Entries 88
Mean −0.06268
Std Dev 0.734

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 40.45 / 87
p0 −95.27 ± 9.68
pull
Entries 88
Mean −1451
Std Dev 1492

pull1D
Entries 88
Mean 0.007304
Std Dev 0.6779

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 52.47 / 87
p0 766 ± 14.99
pull
Entries 88
Mean 159.1
Std Dev 109.8

pull1D
Entries 88
Mean 0.06077
Std Dev 0.7698

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 84.19 / 87
p0 317.3 ± 9.723
pull
Entries 88
Mean −1228
Std Dev 1268

pull1D
Entries 88
Mean −0.01468
Std Dev 0.978

reg_asym_atl2_diff_bpm12X_slope vs run
χ^2 / ndf 111.9 / 87
p0 −323.6 ± 0.4017
pull
Entries 88
Mean 1607
Std Dev 1574

pull1D
Entries 88
Mean −0.007828
Std Dev 1.128

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 117.8 / 87
p0 −131.8 ± 4.358
pull
Entries 88
Mean −71.9
Std Dev 101.7

pull1D
Entries 88
Mean −0.06374
Std Dev 1.155

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 81.62 / 87
p0 21.23 ± 3.071
150
100
50
0
−50
pull
Entries 88
Mean 657.5
Std Dev 610.6
3
2
1
0
−1
−2

pull1D
Entries 88
Mean −0.01142
Std Dev 0.963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm4eX_slope vs run
χ^2 / ndf 115.4 / 87
p0 90.82 ± 4.733
pull
Entries 88
Mean −64.9
Std Dev 94.76

pull1D
Entries 88
Mean 0.06405
Std Dev 1.143

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 90.62 / 87
p0 −47.65 ± 3.082
pull
Entries 88
Mean −1.794e+04
Std Dev 1.798e+04
pull1D
Entries 88
Mean −0.0004761
Std Dev 1.015

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 152.3 / 87
p0 −35.05 ± 0.127
pull
Entries 88
Mean 139.3
Std Dev 98.14
pull1D
Entries 88
Mean 0.02862
Std Dev 1.315

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 66.1 / 87
p0 −605 ± 12.31
pull
Entries 88
Mean 151.4
Std Dev 99.52

pull1D
Entries 88
Mean −0.06664
Std Dev 0.8641

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 48.3 / 87
p0 −74.77 ± 8.633
pull
Entries 88
Mean −1573
Std Dev 1612

pull1D
Entries 88
Mean 0.006829
Std Dev 0.7409

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 71.65 / 87
p0 810.8 ± 13.36
pull
Entries 88
Mean 186.6
Std Dev 137.2

pull1D
Entries 88
Mean 0.06312
Std Dev 0.9001

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 84.61 / 87
p0 261.5 ± 8.671
pull
Entries 88
Mean −953.7
Std Dev 993.6

pull1D
Entries 88
Mean −0.01758
Std Dev 0.9804

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 109.7 / 87
p0 −285.1 ± 0.3585
pull
Entries 88
Mean 965.8
Std Dev 932.3

pull1D
Entries 88
Mean −0.01501
Std Dev 1.116

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 54.84 / 87
p0 −389.3 ± 7.643
pull
Entries 88
Mean 96.45
Std Dev 33.24

pull1D
Entries 88
Mean −0.07338
Std Dev 0.786

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.66 / 87
p0 −39.17 ± 5.359
pull
Entries 88
Mean −1566
Std Dev 1605
pull1D
Entries 88
Mean 0.006989
Std Dev 0.7436

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.13 / 87
p0 441.5 ± 8.3
600
500
400
300
200
pull
Entries 88
Mean 118.7
Std Dev 63.8
1
0
−1
−2
−3
−4
−5

pull1D
Entries 88
Mean 0.07154
Std Dev 0.8096
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 93.3 / 87
p0 139 ± 5.383
pull
Entries 88
Mean −1125
Std Dev 1165

pull1D
Entries 88
Mean −0.01618
Std Dev 1.03

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 113.5 / 87
p0 −175.9 ± 0.2225
−165
−170
−175
−180
−185
pull
Entries 88
Mean 3600
Std Dev 3566
2
1
0
−1
−2
−3
−4

pull1D
Entries 88
Mean −0.002913
Std Dev 1.136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ2 / ndf 46.84 / 87
p0 323.6 ± 6.67
pull
Entries 88
Mean 177
Std Dev 130.5

pull1D
Entries 88
Mean 0.0503
Std Dev 0.7278

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.04 / 87
p0 56.39 ± 4.68
150
100
50
0
−50
pull
Entries 88
Mean −910.3
Std Dev 951.7
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 88
Mean −0.0103
Std Dev 0.6745
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.5 / 87
p0 −323.9 ± 7.246
pull
Entries 88
Mean 213.2
Std Dev 167.7

pull1D
Entries 88
Mean −0.04883
Std Dev 0.7709

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 76.65 / 87
p0 −178.4 ± 4.7
pull
Entries 88
Mean −1282
Std Dev 1323

pull1D
Entries 88
Mean 0.0128
Std Dev 0.9332

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 115.2 / 87
p0 147.6 ± 0.194
pull
Entries 88
Mean 951.4
Std Dev 917.8

pull1D
Entries 88
Mean 0.01486
Std Dev 1.144

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 77.86 / 87
p0 −368.2 ± 7.09
pull
Entries 88
Mean 94.44
Std Dev 23.48

pull1D
Entries 88
Mean −0.07785
Std Dev 0.9374

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 55.11 / 87
p0 −26.61 ± 4.975
pull
Entries 88
Mean −2.24e+04
Std Dev 2.244e+04

pull1D
Entries 88
Mean 0.0005242
Std Dev 0.7914

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 80.9 / 87
p0 450.6 ± 7.7
700
600
500
400
300
200
pull
Entries 88
Mean 119.4
Std Dev 61.78
2
1
0
−1
−2
−3
−4
−5

pull1D
Entries 88
Mean 0.07498
Std Dev 0.9559
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 90.49 / 87
p0 106.7 ± 4.996
pull
Entries 88
Mean −1362
Std Dev 1402

pull1D
Entries 88
Mean −0.01271
Std Dev 1.014

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 114.6 / 87
p0 −160.1 ± 0.2065
pull
Entries 88
Mean 2320
Std Dev 2287
pull1D
Entries 88
Mean −0.00494
Std Dev 1.141

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 64.01 / 87
p0 236.6 ± 5.918
pull
Entries 88
Mean 262.2
Std Dev 216.3
pull1D
Entries 88
Mean 0.04672
Std Dev 0.8516

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 47.99 / 87
p0 48.27 ± 4.156
pull
Entries 88
Mean −570.8
Std Dev 608
pull1D
Entries 88
Mean −0.0143
Std Dev 0.7383

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 71.05 / 87
p0 −360 ± 6.427
pull
Entries 88
Mean 322.4
Std Dev 277.1

pull1D
Entries 88
Mean −0.04299
Std Dev 0.8975

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.9 / 87
p0 −155 ± 4.174
pull
Entries 88
Mean −625.4
Std Dev 664.6

pull1D
Entries 88
Mean 0.02239
Std Dev 0.9406

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 113.9 / 87
p0 125 ± 0.1725
pull
Entries 88
Mean 611.7
Std Dev 577.9

pull1D
Entries 88
Mean 0.02692
Std Dev 1.137

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 142.2 / 87
p0 −98.11 ± 2.992
0
−50
−100
−150
−200
pull
Entries 88
Mean −40.64
Std Dev 66.5
6
4
2
0
−2
pull1D
Entries 88
Mean −0.09617
Std Dev 1.268
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 93.17 / 87
p0 19.17 ± 2.107
pull
Entries 88
Mean 1008
Std Dev 967.2

pull1D
Entries 88
Mean −0.008634
Std Dev 1.029

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 138.4 / 87
p0 103.4 ± 3.249
pull
Entries 88
Mean −35.07
Std Dev 60.67

pull1D
Entries 88
Mean 0.09654
Std Dev 1.25

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 113.3 / 87
p0 −43.63 ± 2.114
pull
Entries 88
Mean −1706
Std Dev 1744

pull1D
Entries 88
Mean −0.006457
Std Dev 1.135

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 191.8 / 87
p0 −31.69 ± 0.08712
pull
Entries 88
Mean 156.7
Std Dev 120.2

pull1D
Entries 88
Mean 0.02881
Std Dev 1.476

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 74.2 / 87
p0 33.38 ± 2.778
150
100
50
0
−50
pull
Entries 88
Mean −1.169e+04
Std Dev 1.174e+04
2
1
0
−1
−2

pull1D
Entries 88
Mean 0.0002768
Std Dev 0.9183
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 90.83 / 87
p0 −2.043 ± 1.959
pull
Entries 88
Mean 325.7
Std Dev 250.9
pull1D
Entries 88
Mean 0.007058
Std Dev 1.016

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 74.71 / 87
p0 12.94 ± 3.017
pull
Entries 88
Mean −9961
Std Dev 1e+04

pull1D
Entries 88
Mean −0.0003144
Std Dev 0.9214

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 83.17 / 87
p0 3.939 ± 1.966
pull
Entries 88
Mean 427.8
Std Dev 344.9

pull1D
Entries 88
Mean −0.003463
Std Dev 0.9722

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 85.36 / 87
p0 3.351 ± 0.08095
pull
Entries 88
Mean 113.5
Std Dev 46.03

pull1D
Entries 88
Mean −0.01077
Std Dev 0.9848

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 55.19 / 87
p0 −658.7 ± 12.7
pull
Entries 88
Mean 138.2
Std Dev 86.03

pull1D
Entries 88
Mean −0.06751
Std Dev 0.7891

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 42.43 / 87
p0 −85.41 ± 8.905
pull
Entries 88
Mean −1256
Std Dev 1296

pull1D
Entries 88
Mean 0.008697
Std Dev 0.6943

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.54 / 87
p0 787.8 ± 13.79
pull
Entries 88
Mean 169
Std Dev 119.5

pull1D
Entries 88
Mean 0.06493
Std Dev 0.8269

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 85.28 / 87
p0 289.8 ± 8.944
pull
Entries 88
Mean −1015
Std Dev 1055

pull1D
Entries 88
Mean −0.01762
Std Dev 0.9843

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 113.3 / 87
p0 −304.4 ± 0.3697
pull
Entries 88
Mean 1271
Std Dev 1238
pull1D
Entries 88
Mean −0.01092
Std Dev 1.135

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 58.29 / 87
p0 53.82 ± 3.131
pull
Entries 88
Mean −262.2
Std Dev 310.2

pull1D
Entries 88
Mean 0.007612
Std Dev 0.8138

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 77.33 / 87
p0 10.95 ± 2.206
pull
Entries 88
Mean −123.5
Std Dev 167.5

pull1D
Entries 88
Mean −0.01453
Std Dev 0.9373

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 57.93 / 87
p0 22.81 ± 3.401
pull
Entries 88
Mean −215.7
Std Dev 262.5

pull1D
Entries 88
Mean −0.009464
Std Dev 0.8113

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.52 / 87
p0 −28.58 ± 2.214
100
50
0
−50
−100
pull
Entries 88
Mean −489.8
Std Dev 533
2
1
0
−1
−2
pull1D
Entries 88
Mean 0.01258
Std Dev 0.9564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 74.59 / 87
p0 19.25 ± 0.09115
pull
Entries 88
Mean 42.61
Std Dev 19.79

pull1D
Entries 88
Mean −0.02699
Std Dev 0.9203

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 71.59 / 87
p0 −334.7 ± 6.961
pull
Entries 88
Mean 107.7
Std Dev 47.35

pull1D
Entries 88
Mean −0.08015
Std Dev 0.8984

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.21 / 87
p0 −28.79 ± 4.883
pull
Entries 88
Mean −2225
Std Dev 2264

pull1D
Entries 88
Mean 0.004931
Std Dev 0.7992

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 75.18 / 87
p0 463.4 ± 7.559
pull
Entries 88
Mean 132.2
Std Dev 78.06
pull1D
Entries 88
Mean 0.0771
Std Dev 0.921

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.7 / 87
p0 110.9 ± 4.904
pull
Entries 88
Mean −1009
Std Dev 1048
pull1D
Entries 88
Mean −0.01681
Std Dev 1.021

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 107.9 / 87
p0 −156.7 ± 0.2028
pull
Entries 88
Mean 1805
Std Dev 1772

pull1D
Entries 88
Mean −0.006579
Std Dev 1.107

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 64.79 / 87
p0 269.2 ± 5.908
pull
Entries 88
Mean 203.7
Std Dev 156.8
pull1D
Entries 88
Mean 0.0539
Std Dev 0.8564

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.38 / 87
p0 45.93 ± 4.147
pull
Entries 88
Mean −1239
Std Dev 1280

pull1D
Entries 88
Mean −0.007621
Std Dev 0.7491

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.55 / 87
p0 −346.1 ± 6.417
pull
Entries 88
Mean 248.8
Std Dev 202.9

pull1D
Entries 88
Mean −0.05098
Std Dev 0.9002

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 80.41 / 87
p0 −150.4 ± 4.165
−50
−100
−150
−200
−250
−300
pull
Entries 88
Mean −1047
Std Dev 1088
2
1
0
−1
−2

pull1D
Entries 88
Mean 0.0143
Std Dev 0.9558
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 118.4 / 87
p0 128.4 ± 0.172
pull
Entries 88
Mean 645.6
Std Dev 611.9
pull1D
Entries 88
Mean 0.02546
Std Dev 1.16

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 58.01 / 87
p0 −422.6 ± 7.873
pull
Entries 88
Mean 81.7
Std Dev 18.78

pull1D
Entries 88
Mean −0.07193
Std Dev 0.8087

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.17 / 87
p0 −36.98 ± 5.522
pull
Entries 88
Mean −3757
Std Dev 3799

pull1D
Entries 88
Mean 0.003035
Std Dev 0.7085

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.68 / 87
p0 428.5 ± 8.55
pull
Entries 88
Mean 104
Std Dev 44.28

pull1D
Entries 88
Mean 0.07029
Std Dev 0.8274

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 85.8 / 87
p0 134.8 ± 5.545
pull
Entries 88
Mean −1394
Std Dev 1435

pull1D
Entries 88
Mean −0.01303
Std Dev 0.9873

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 119.2 / 87
p0 −179.3 ± 0.2291
−170
−175
−180
−185
−190
pull
Entries 88
Mean −2.362e+04
Std Dev 2.366e+04
pull1D
Entries 88
Mean 0.0004215
Std Dev 1.164

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 48.8 / 87
p0 290.7 ± 6.544
pull
Entries 88
Mean 218.7
Std Dev 173.2

pull1D
Entries 88
Mean 0.04685
Std Dev 0.7432

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.14 / 87
p0 58.41 ± 4.593
pull
Entries 88
Mean −649.5
Std Dev 688

pull1D
Entries 88
Mean −0.01312
Std Dev 0.7081

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.93 / 87
p0 −337.5 ± 7.107
pull
Entries 88
Mean 261.3
Std Dev 216.4

pull1D
Entries 88
Mean −0.04477
Std Dev 0.7888

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.91 / 87
p0 −182.6 ± 4.613
pull
Entries 88
Mean −924.6
Std Dev 964.8
pull1D
Entries 88
Mean 0.0173
Std Dev 0.9705

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 110.9 / 87
p0 144.3 ± 0.1905
155
150
145
140
135
pull
Entries 88
Mean 837.9
Std Dev 804.1
4
3
2
1
0
−1
−2
−3
pull1D
Entries 88
Mean 0.01737
Std Dev 1.122
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 53.35 / 87
p0 279.8 ± 5.911
pull
Entries 88
Mean 209.6
Std Dev 163.2

pull1D
Entries 88
Mean 0.05332
Std Dev 0.7768

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 40.73 / 87
p0 52.41 ± 4.147
pull
Entries 88
Mean −707.1
Std Dev 746.5

pull1D
Entries 88
Mean −0.01326
Std Dev 0.6802

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 60.44 / 87
p0 −341.6 ± 6.421
pull
Entries 88
Mean 252.9
Std Dev 207.4

pull1D
Entries 88
Mean −0.05077
Std Dev 0.8272

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 119.3 / 87
p0 136.3 ± 0.1721
pull
Entries 88
Mean 777.6
Std Dev 743.8
pull1D
Entries 88
Mean 0.02099
Std Dev 1.164

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 57.7 / 87
p0 43.83 ± 2.209
pull
Entries 88
Mean −768.2
Std Dev 812.4

pull1D
Entries 88
Mean 0.004239
Std Dev 0.8097

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.17 / 87
p0 4.532 ± 1.556
pull
Entries 88
Mean −264.3
Std Dev 320.5
pull1D
Entries 88
Mean −0.01027
Std Dev 0.8801

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.76 / 87
p0 17.59 ± 2.4
pull
Entries 88
Mean −615.4
Std Dev 659.4

pull1D
Entries 88
Mean −0.005232
Std Dev 0.8102

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 85.86 / 87
p0 11.3 ± 0.06436
pull
Entries 88
Mean 60.07
Std Dev 23.79

pull1D
Entries 88
Mean −0.02468
Std Dev 0.9874

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.11 / 87
p0 −33.08 ± 4.976
pull
Entries 88
Mean −2146
Std Dev 2186
pull1D
Entries 88
Mean 0.005455
Std Dev 0.7394

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.61 / 87
p0 123.1 ± 4.998
pull
Entries 88
Mean −1100
Std Dev 1140

pull1D
Entries 88
Mean −0.01673
Std Dev 1.02

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 116.7 / 87
p0 −168 ± 0.2066
pull
Entries 88
Mean 2855
Std Dev 2822

pull1D
Entries 88
Mean −0.003978
Std Dev 1.152

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 75.47 / 87
p0 −10.32 ± 1.993
pull
Entries 88
Mean 170.3
Std Dev 143.5

pull1D
Entries 88
Mean −0.005084
Std Dev 0.926

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 87
p0 −6.527 ± 1.406
pull
Entries 88
Mean 1.202
Std Dev 45.88
pull1D
Entries 88
Mean 0.01843
Std Dev 1.07

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 75.56 / 87
p0 −4.831 ± 2.165
pull
Entries 88
Mean 115.7
Std Dev 88.37

pull1D
Entries 88
Mean 0.006558
Std Dev 0.9266

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 73.39 / 87
p0 −7.947 ± 0.05799
pull
Entries 88
Mean 31.62
Std Dev 22.32

pull1D
Entries 88
Mean 0.01477
Std Dev 0.9131

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 97.81 / 87
p0 2.659 ± 0.2942
pull
Entries 88
Mean 6.825
Std Dev 34.91
pull1D
Entries 88
Mean 0.07186
Std Dev 1.052

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 109.6 / 87
p0 2.242 ± 0.207
pull
Entries 88
Mean 36.1
Std Dev 65.64

pull1D
Entries 88
Mean 0.02832
Std Dev 1.115

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 112.4 / 87
p0 0.1349 ± 0.008514
pull
Entries 88
Mean −446.6
Std Dev 486.7
pull1D
Entries 88
Mean 0.0223
Std Dev 1.13

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 97.33 / 87
p0 2.418 ± 0.2929
pull
Entries 88
Mean 7.275
Std Dev 35.55
pull1D
Entries 88
Mean 0.07018
Std Dev 1.049

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 106.4 / 87
p0 −0.9086 ± 0.2051
pull
Entries 88
Mean 11.42
Std Dev 39.95

pull1D
Entries 88
Mean −0.02732
Std Dev 1.099

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ^2 / ndf 100.9 / 87
p0 −3.145 ± 0.3182
pull
Entries 88
Mean 23.3
Std Dev 22.08

pull1D
Entries 88
Mean −0.07488
Std Dev 1.068

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 109.8 / 87
p0 2.24 ± 0.2061
pull
Entries 88
Mean 31.23
Std Dev 64.9

pull1D
Entries 88
Mean 0.02959
Std Dev 1.117

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 111.1 / 87
p0 0.1357 ± 0.008477
pull
Entries 88
Mean −517
Std Dev 556.6
pull1D
Entries 88
Mean 0.02018
Std Dev 1.123

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 102.4 / 87
p0 2.457 ± 0.2944
pull
Entries 88
Mean 2.031
Std Dev 42.58
pull1D
Entries 88
Mean 0.07291
Std Dev 1.076

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ^2 / ndf 108.4 / 87
p0 −0.982 ± 0.2062
pull
Entries 88
Mean 7.081
Std Dev 47.37

pull1D
Entries 88
Mean −0.02783
Std Dev 1.11

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 106 / 87
p0 −3.227 ± 0.3198
pull
Entries 88
Mean 17.59
Std Dev 29.6
pull1D
Entries 88
Mean −0.07772
Std Dev 1.095

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 113.4 / 87
p0 2.317 ± 0.2071
pull
Entries 88
Mean 29.75
Std Dev 67.37

pull1D
Entries 88
Mean 0.02972
Std Dev 1.135

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 111.3 / 87
p0 0.1354 ± 0.00852
pull
Entries 88
Mean −614.3
Std Dev 653.8

pull1D
Entries 88
Mean 0.01718
Std Dev 1.124

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 111.2 / 87
p0 2.772 ± 0.2978
pull
Entries 88
Mean 5.683
Std Dev 39.96

pull1D
Entries 88
Mean 0.07812
Std Dev 1.121

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 108.2 / 87
p0 −1.017 ± 0.2087
pull
Entries 88
Mean 41.16
Std Dev 29.27
pull1D
Entries 88
Mean −0.02915
Std Dev 1.108

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 114.5 / 87
p0 −3.574 ± 0.3235
pull
Entries 88
Mean 19.33
Std Dev 29.03

pull1D
Entries 88
Mean −0.08252
Std Dev 1.137

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 114.3 / 87
p0 2.37 ± 0.2096
pull
Entries 88
Mean 63.88
Std Dev 69.52
pull1D
Entries 88
Mean 0.0304
Std Dev 1.139

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 178.4 / 87
p0 0.1455 ± 0.008623
pull
Entries 88
Mean −433.6
Std Dev 473.9
pull1D
Entries 88
Mean 0.02022
Std Dev 1.424

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 102.7 / 87
p0 2.671 ± 0.3039
pull
Entries 88
Mean −1.48
Std Dev 46.27

pull1D
Entries 88
Mean 0.07667
Std Dev 1.078

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ^2 / ndf 107.7 / 87
p0 −0.8338 ± 0.2129
pull
Entries 88
Mean 17.82
Std Dev 36.98

pull1D
Entries 88
Mean −0.02878
Std Dev 1.106

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 105.8 / 87
p0 −3.427 ± 0.3301
pull
Entries 88
Mean 13.53
Std Dev 33.26

pull1D
Entries 88
Mean −0.08105
Std Dev 1.093

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 109.9 / 87
p0 2.193 ± 0.2138
pull
Entries 88
Mean 39.39
Std Dev 65.11

pull1D
Entries 88
Mean 0.02989
Std Dev 1.117

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 156.3 / 87
p0 0.1338 ± 0.008797
pull
Entries 88
Mean −222.6
Std Dev 259.6

pull1D
Entries 88
Mean 0.02686
Std Dev 1.333