dit_asym_us_avg_mean vs run
χ² / ndf 29.53 / 35
p0 −1946 ± 1432
30000
20000
10000
0
−10000
−20000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −12.77
Std Dev 40.31
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.01656
Std Dev 0.9055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_us_avg_rms vs run
χ2 / ndf 85.58 / 35
p0 854.8 ± 1.013
880
870
860
850
840
830
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_us_avg_mean vs run
χ² / ndf 21.1 / 35
p0 2768 ± 4066
80000
60000
40000
20000
0
−20000
−40000
−60000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −197.2
Std Dev 215.9
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.005581
Std Dev 0.7655
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_avg_rms vs run
χ² / ndf 2468 / 35
p0 2423 ± 2.875
2800
2700
2600
2500
2400
2300
2200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_us_dd_mean vs run
χ² / ndf 42.36 / 35
p0 −83.39 ± 1369
30000
20000
10000
0
−10000
−20000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 56.93
Std Dev 54.42
pull1D
Entries 36
Mean 0.0213
Std Dev 1.085

dit_asym_us_dd_rms vs run
χ² / ndf 98.15 / 35
p0 817.3 ± 0.9681
850
840
830
820
810
800
790
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_us_dd_mean vs run
χ² / ndf 27.83 / 35
p0 2762 ± 2980
60000
40000
20000
0
−20000
−40000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 2.378
Std Dev 35.45
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.03603
Std Dev 0.8786
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_rms vs run
χ2 / ndf 1141 / 35
p0 1777 ± 2.107
2000
1950
1900
1850
1800
1750
1700
1650
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_usl_mean vs run
χ² / ndf 36.03 / 35
p0 −2065 ± 2069
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 25.37
Std Dev 33.11
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.02686
Std Dev 1
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usl_rms vs run
χ2 / ndf 114.1 / 35
p0 1235 ± 1.463
1280
1270
1260
1250
1240
1230
1220
1210
1200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_usl_mean vs run
×10^3
χ² / ndf 18.43 / 35
p0 5953 ± 6232
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −57.15
Std Dev 83.04
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.0148
Std Dev 0.7154
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run
χ2 / ndf 1980 / 35
p0 3715 ± 4.407
4200
4000
3800
3600
3400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_usr_mean vs run
χ² / ndf 34.93 / 35
p0 −1865 ± 1890
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 360
Std Dev 349
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 36
Mean −0.002882
Std Dev 0.985
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usr_rms vs run
χ2 / ndf 91.98 / 35
p0 1128 ± 1.336
1180
1170
1160
1150
1140
1130
1120
1110
1100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_usr_mean vs run
χ² / ndf 37.8 / 35
p0 −648.4 ± 3470
80000
60000
40000
20000
0
−20000
−40000
−60000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 107.3
Std Dev 109.3
pull1D
Entries 36
Mean −0.00723
Std Dev 1.025

asym_usr_rms vs run
χ2 / ndf 1356 / 35
p0 2069 ± 2.454
2400
2300
2200
2100
2000
1900
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 50.18 / 35
p0 −6134 ± 4223
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −202.6
Std Dev 218.6
2
1
0
−1
−2

pull1D
Entries 36
Mean −0.0152
Std Dev 1.181
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_avg_rms vs run
χ2 / ndf 1.193e+04 / 35
p0 2500 ± 2.986
6000
5500
5000
4500
4000
3500
3000
2500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_at1_avg_mean vs run
×10^3
χ² / ndf 38.3 / 35
p0 382.3 ± 7177
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −91.54
Std Dev 107.7

pull1D
Entries 36
Mean −0.01107
Std Dev 1.031

asym_at1_avg_rms vs run
χ² / ndf 6418 / 35
p0 4265 ± 5.075
6500
6000
5500
5000
4500
4000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 39.37 / 35
p0 542.6 ± 4221
140
120
100
80
60
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 26.74
Std Dev 19.15
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.01562
Std Dev 1.046
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at1_dd_rms vs run
χ2 / ndf 1.193e+04 / 35
p0 2499 ± 2.985
6000
5500
5000
4500
4000
3500
3000
2500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 32.12 / 35
p0 6480 ± 7238
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −23.91
Std Dev 35.99
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.01352
Std Dev 0.9445
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_dd_rms vs run
χ² / ndf 6475 / 35
p0 4301 ± 5.118
6500
6000
5500
5000
4500
4000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_at2_avg_mean vs run
χ² / ndf 35.47 / 35
p0 −5042 ± 2835
40000
20000
0
−20000
−40000
−60000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 2947
Std Dev 2923
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean −0.0005539
Std Dev 0.9926
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_at2_avg_rms vs run
χ² / ndf 149.3 / 35
p0 1692 ± 2.004
1780
1760
1740
1720
1700
1680
1660
1640
1620
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_at2_avg_mean vs run
×10^3
χ² / ndf 19.06 / 35
p0 9760 ± 1.272e+04
250
200
150
100
50
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −220.2
Std Dev 239.5
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.006013
Std Dev 0.7275
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_at2_avg_rms vs run
χ² / ndf 2531 / 35
p0 7579 ± 8.994
8800
8600
8400
8200
8000
7800
7600
7400
7200
7000
6800
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_at2_dd_mean vs run
χ² / ndf 36.97 / 35
p0 −1283 ± 2535
40000
20000
0
−20000
−40000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 104.4
Std Dev 89.4
pull1D
Entries 36
Mean 0.03392
Std Dev 1.013

dit_asym_at2_dd_rms vs run
χ2 / ndf 91.4 / 35
p0 1513 ± 1.792
1560
1540
1520
1500
1480
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_at2_dd_mean vs run
χ² / ndf 32.17 / 35
p0 −2085 ± 4147
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 40.15
Std Dev 35.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean −0.04399
Std Dev 0.9442
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_at2_dd_rms vs run
χ2 / ndf 720.8 / 35
p0 2474 ± 2.932
2700
2650
2600
2550
2500
2450
2400
2350
2300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl_avg_mean vs run
χ² / ndf 39.2 / 35
p0 −5552 ± 4117
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 485.2
Std Dev 472.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.004401
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_avg_rms vs run
χ2 / ndf 173.9 / 35
p0 2457 ± 2.911
2600
2550
2500
2450
2400
2350
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 22.9 / 35
p0 1.078e+04 ± 1.344e+04
200
100
0
−100
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −124.4
Std Dev 150.5
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.002852
Std Dev 0.7975
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_avg_rms vs run
χ² / ndf 2561 / 35
p0 8008 ± 9.503
9500
9000
8500
8000
7500
7000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl_dd_mean vs run
χ2 / ndf 41.89 / 35
p0 517.1 ± 3863
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −104.1
Std Dev 122.9
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 36
Mean −0.01157
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_dd_rms vs run
χ² / ndf 129.4 / 35
p0 2306 ± 2.732
2440
2420
2400
2380
2360
2340
2320
2300
2280
2260
2240
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl_dd_mean vs run
×10^3
χ² / ndf 34.05 / 35
p0 −2266 ± 4904
80
60
40
20
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −55.77
Std Dev 79.09
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.02457
Std Dev 0.9722
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_rms vs run
χ2 / ndf 267.4 / 35
p0 2927 ± 3.468
3050
3000
2950
2900
2850
2800
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 35.71 / 35
p0 −4448 ± 2980
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 5.053
Std Dev 10.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 36
Mean −0.03798
Std Dev 0.9952
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_avg_rms vs run
χ2 / ndf 1.695e+04 / 35
p0 1758 ± 2.107
5500
5000
4500
4000
3500
3000
2500
2000
1500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atr_avg_mean vs run
×10^3
χ² / ndf 29.92 / 35
p0 207.1 ± 6182
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 61.67
Std Dev 44.16
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.01404
Std Dev 0.9115
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_avg_rms vs run
χ² / ndf 8174 / 35
p0 3669 ± 4.371
6500
6000
5500
5000
4500
4000
3500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 46.1 / 35
p0 −1769 ± 2945
pull
Entries 36
Mean 668.7
Std Dev 650.8

pull1D
Entries 36
Mean 0.006234
Std Dev 1.132

dit_asym_atr_dd_rms vs run
χ2 / ndf 1.714e+04 / 35
p0 1736 ± 2.082
5500
5000
4500
4000
3500
3000
2500
2000
1500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atr_dd_mean vs run
×10^3
χ² / ndf 29.22 / 35
p0 −5710 ± 6267
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −122.3
Std Dev 137.8
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.01857
Std Dev 0.9007
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_dd_rms vs run
χ² / ndf 8291 / 35
p0 3719 ± 4.431
6500
6000
5500
5000
4500
4000
3500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 47.07 / 35
p0 −858.1± 2464
60000
40000
20000
0
−20000
−40000
−60000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −464
Std Dev 482.2
pull1D
Entries 36
Mean −0.007567
Std Dev 1.143

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 9732 / 35
p0 1461 ± 1.743
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 22.17 / 35
p0 −4468 ± 4225
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −127.7
Std Dev 146.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.02132
Std Dev 0.7844
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 4506 / 35
p0 2514 ± 2.988
3800
3600
3400
3200
3000
2800
2600
2400
2200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 41 / 35
p0 1212 ± 2450
60000
40000
20000
0
−20000
−40000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 186.7
Std Dev 169.9
pull1D
Entries 36
Mean −0.007951
Std Dev 1.067

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 9767 / 35
p0 1452 ± 1.732
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl_dd_atr_dd_dd_mean vs run
χ2 / ndf 42.68 / 35
p0 2217 ± 3754
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 124.4
Std Dev 117.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean −0.00938
Std Dev 1.089
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 5321 / 35
p0 2232 ± 2.654
3400
3200
3000
2800
2600
2400
2200
2000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 41.33 / 35
p0 −5045 ± 6825
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −519.8
Std Dev 535.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.003803
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl1_rms vs run
χ² / ndf 153.4 / 35
p0 4074 ± 4.826
4350
4300
4250
4200
4150
4100
4050
4000
3950
3900
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl1_mean vs run
×10^3
χ² / ndf 33.03 / 35
p0 9147 ± 1.33e+04
200
100
0
−100
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −8.197
Std Dev 25.27
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.01009
Std Dev 0.9578
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl1_rms vs run
χ2 / ndf 2313 / 35
p0 7929 ± 9.408
9000
8500
8000
7500
7000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atl2_mean vs run
χ² / ndf 38.06 / 35
p0 −6254 ± 4142
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 53.96
Std Dev 49.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.01897
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl2_rms vs run
χ² / ndf 157.9 / 35
p0 2472 ± 2.929
2580
2560
2540
2520
2500
2480
2460
2440
2420
2400
2380
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atl2_mean vs run
×10^3
χ^2 / ndf 17.21 / 35
p0 1.242e+04 ± 1.525e+04
300
200
100
0
−100
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −51.75
Std Dev 75.65
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.01371
Std Dev 0.6913
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl2_rms vs run
χ2 / ndf 2108 / 35
p0 9089 ± 10.78
10500
10000
9500
9000
8500
8000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 49.3 / 35
p0 −6105 ± 4776
100
50
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −196.8
Std Dev 213.4
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean −0.01303
Std Dev 1.17
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr1_rms vs run
χ2 / ndf 1.999e+04 / 35
p0 2811 ± 3.377
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atr1_mean vs run
×10^3
χ² / ndf 46.8 / 35
p0 −5252 ± 4951
100
50
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −391.5
Std Dev 406.4

pull1D
Entries 36
Mean −0.006196
Std Dev 1.14

asym_atr1_rms vs run
χ2 / ndf 1.951e+04 / 35
p0 2915 ± 3.501
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 32.97 / 35
p0 −3670 ± 3429
60
40
20
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 145.5
Std Dev 127.3
1
0
−1
−2
−3

pull1D
Entries 36
Mean −0.02762
Std Dev 0.9567
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr2_rms vs run
χ2 / ndf 73.41 / 35
p0 2047 ± 2.425
2100
2080
2060
2040
2020
2000
1980
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_atr2_mean vs run
×10^3
χ² / ndf 25.95 / 35
p0 6819 ± 1.121e+04
200
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 685.6
Std Dev 669.6
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.002874
Std Dev 0.849
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run
χ² / ndf 2554 / 35
p0 6678 ± 7.925
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam1_mean vs run
χ² / ndf 36.2 / 35
p0 34.45 ± 206
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −20.31
Std Dev 33.69
2
1
0
−1
−2

pull1D
Entries 36
Mean 0.01077
Std Dev 1.003
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam1_rms vs run
χ2 / ndf 1414 / 35
p0 122.9 ± 0.1457
135
130
125
120
115
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam1_mean vs run
χ² / ndf 37.23 / 35
p0 −74.91± 1210
20000
10000
0
−10000
−20000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −55.6
Std Dev 72.18
pull1D
Entries 36
Mean −0.02302
Std Dev 1.017

asym_sam1_rms vs run
χ2 / ndf 5310 / 35
p0 719.4 ± 0.8554
1000
950
900
850
800
750
700
650
600
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam2_mean vs run
χ² / ndf 39.74 / 35
p0 −221.3 ± 826
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 38.01
Std Dev 31
2
1
0
−1
−2
pull1D
Entries 36
Mean 0.02193
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam2_rms vs run
χ² / ndf 3272 / 35
p0 491.9 ± 0.584
650
600
550
500
450
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam2_mean vs run
×10^3
χ² / ndf 38.43 / 35
p0 5838 ± 8334
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 88.86
Std Dev 84.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.002823
Std Dev 1.033
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ² / ndf 2201 / 35
p0 4967 ± 5.893
5800
5600
5400
5200
5000
4800
4600
4400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam3_mean vs run
χ² / ndf 26.27 / 35
p0 423.6 ± 332.7
6000
4000
2000
0
−2000
−4000
−6000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 35.33
Std Dev 21.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.05066
Std Dev 0.8528
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam3_rms vs run
χ2 / ndf 2.434e+04 / 35
p0 195.2 ± 0.2353
350
300
250
200
150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam3_mean vs run
χ² / ndf 36.07 / 35
p0 1988 ± 2835
60000
40000
20000
0
−20000
−40000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −6.015
Std Dev 46.43
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.02396
Std Dev 1.001
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_rms vs run
χ2 / ndf 2718 / 35
p0 1689 ± 2.005
2000
1900
1800
1700
1600
1500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam4_mean vs run
χ² / ndf 30.94 / 35
p0 −63.45 ± 406.5
10000
5000
0
−5000
−10000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 32.61
Std Dev 21.48
pull1D
Entries 36
Mean −0.02925
Std Dev 0.9265

dit_asym_sam4_rms vs run
χ² / ndf 7903 / 35
p0 241.3 ± 0.2875
340
320
300
280
260
240
220
200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam4_mean vs run
χ2 / ndf 32.81 / 35
p0 2156 ± 4481
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −12.23
Std Dev 42.49
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.03535
Std Dev 0.954
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam4_rms vs run
χ2 / ndf 2855 / 35
p0 2669 ± 3.168
3100
3000
2900
2800
2700
2600
2500
2400
2300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam5_mean vs run
χ² / ndf 32.89 / 35
p0 −69.32 ± 153.4
3000
2000
1000
0
−1000
−2000
−3000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −193.9
Std Dev 210.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.009559
Std Dev 0.9557
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam5_rms vs run
χ² / ndf 945.8 / 35
p0 91.49 ± 0.1084
100
98
96
94
92
90
88
86
84
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam5_mean vs run
χ² / ndf 36.05 / 35
p0 305.1 ± 955.6
20000
15000
10000
5000
0
−5000
−10000
−15000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −73.26
Std Dev 92.68
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.0225
Std Dev 1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam5_rms vs run
χ² / ndf 5075 / 35
p0 568.4 ± 0.6757
750
700
650
600
550
500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam6_mean vs run
χ^2 / ndf 40.55 / 35
p0 176.6 ± 172.5
3000
2000
1000
0
−1000
−2000
−3000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −12.47
Std Dev 54.36
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.008612
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam6_rms vs run
χ2 / ndf 5820 / 35
p0 102.5 ± 0.122
140
130
120
110
100
90
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam6_mean vs run
χ² / ndf 33.91 / 35
p0 −377.2 ± 789.4
15000
10000
5000
0
−5000
−10000
−15000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −22.33
Std Dev 28.09
pull1D
Entries 36
Mean 0.0232
Std Dev 0.9702

asym_sam6_rms vs run
χ2 / ndf 5047 / 35
p0 469.5 ± 0.5582
700
650
600
550
500
450
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam7_mean vs run
χ² / ndf 32.56 / 35
p0 77.47 ± 134.2
2000
1000
0
−1000
−2000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −54.85
Std Dev 62.27
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.002256
Std Dev 0.9511
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam7_rms vs run
χ2 / ndf 1309 / 35
p0 80.01 ± 0.09486
88
86
84
82
80
78
76
74
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam7_mean vs run
χ² / ndf 37.26 / 35
p0 545.2 ± 1096
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −12.65
Std Dev 49.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.02323
Std Dev 1.017
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_rms vs run
χ2 / ndf 1230 / 35
p0 653.7 ± 0.775
700
680
660
640
620
600
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_asym_sam8_mean vs run
χ² / ndf 42.98 / 35
p0 178.7 ± 141
4000
3000
2000
1000
0
−1000
−2000
−3000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1244
Std Dev 1223
2
1
0
−1
−2

pull1D
Entries 36
Mean −0.000749
Std Dev 1.093
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam8_rms vs run
χ2 / ndf 9616 / 35
p0 83.62 ± 0.09973
130
120
110
100
90
80
70
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

asym_sam8_mean vs run
χ² / ndf 39.93 / 35
p0 303 ± 448.6
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −11.14
Std Dev 41.55
pull1D
Entries 36
Mean −0.01544
Std Dev 1.053

asym_sam8_rms vs run
χ² / ndf 4905 / 35
p0 266.9 ± 0.3172
320
300
280
260
240
220
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_usl_4aX_slope vs run
χ2 / ndf 9.277e−26 / 35
p0 −558.6 ± 2.24
−545
−550
−555
−560
−565
−570
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
0
−10
−20
−30
−40
−50
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −5.076e−14
Std Dev 2.16e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 1.087e−26 / 35
p0 527.9 ± 2.181
540
535
530
525
520
515
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 36
Mean 1.738e−14
Std Dev 5.989e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run

dit_usl_4aY_slope vs run
χ² / ndf 4.145e−28 / 35
p0 11.24 ± 0.2618
13
12.5
12
11.5
11
10.5
10
9.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 3.393e−15
Std Dev1.543e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ² / ndf 6.858e−28 / 35
p0 34.81 ± 0.2713
36.5
36
35.5
35
34.5
34
33.5
33
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
−4.5
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −4.365e−15
Std Dev1.756e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ² / ndf 2.958e−25 / 35
p0 −284.7 ± 0.6271
−281
−282
−283
−284
−285
−286
−287
−288
−289
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −9.065e−14
Std Dev2.075e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ² / ndf 9.414e−25 / 35
p0 372.2 ± 0.6444
376
375
374
373
372
371
370
369
368
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.617e−13
Std Dev5.357e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 35
p0 −43.07 ± 0.06747
−42.6
−42.7
−42.8
−42.9
−43
−43.1
−43.2
−43.3
−43.4
−43.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aY_slope vs run
χ² / ndf 3.26e−27 / 35
p0 7.417 ± 0.07777
7.8
7.6
7.4
7.2
7
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−2
−4
−6
−8
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −9.517e−15
Std Dev 3.512e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
χ^2 / ndf 9.969e−29 / 35
p0 4.665 ± 0.08895
5.2
5
4.8
4.6
4.4
4.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.664e−15
Std Dev7.003e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ² / ndf 7.431e−27 / 35
p0 −1256 ± 7.913
−1200
−1220
−1240
−1260
−1280
−1300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.437e−14
Std Dev4.735e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.99e−26 / 35
p0 1392 ± 8.059
1440
1420
1400
1380
1360
1340
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10^-15

pull1D
Entries 36
Mean 2.351e−14
Std Dev 8.47e−22

dit_atl1_11X12X_slope vs run
χ^2 / ndf 1.099e−25 / 35
p0 −233.1 ± 0.8572
−228
−230
−232
−234
−236
−238
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
50
40
30
20
10
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 5.526e−14
Std Dev 1.797e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 6.281e−28 / 35
p0 34.37 ± 1.418
44
42
40
38
36
34
32
30
28
26
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 4.177e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ² / ndf 3.844e−30 / 35
p0 3.767 ± 1.585
15
10
5
0
−5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −3.268e−16
Std Dev 6.617e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ² / ndf 2.5e−25 / 35
p0 −1451 ± 2.274
−1435
−1440
−1445
−1450
−1455
−1460
−1465
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 8.334e−14
Std Dev3.169e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ² / ndf 0 / 35
p0 1425 ± 2.33
1440
1435
1430
1425
1420
1415
1410
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ² / ndf 1.05e−24 / 35
p0 −276.4 ± 0.2774
−274.5
−275
−275.5
−276
−276.5
−277
−277.5
−278
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −1.708e−13
Std Dev4.792e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ² / ndf 6.934e−28 / 35
p0 22.5 ± 0.6746
27
26
25
24
23
22
21
20
19
18
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 4.389e−15
Std Dev 7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eY_slope vs run
χ^2 / ndf 6.681e−27 / 35
p0 97.72 ± 0.6955
102
100
98
96
94
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10^-15
14
12
10
8
6
4
2
0

pull1D
Entries 36
Mean 1.362e−14
Std Dev 3.962e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ2 / ndf 1.802e−29 / 35
p0 −29.69 ± 2.511
−15
−20
−25
−30
−35
−40
−45
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 7.075e−16
Std Dev 9.358e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ² / ndf 1.283e−29 / 35
p0 −14.73 ± 2.48
0
−5
−10
−15
−20
−25
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 5.969e−16
Std Dev 2.476e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run

dit_atr1_4aY_slope vs run
χ^2 / ndf 8.391e−28 / 35
p0 23.08 ± 0.6132
27
26
25
24
23
22
21
20
19
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^−15
0
−1
−2
−3
−4
−5
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −4.828e−15
Std Dev7.487e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ² / ndf 7.439e−27 / 35
p0 −41.66 ± 0.5767
−38
−39
−40
−41
−42
−43
−44
−45
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −1.437e−14
Std Dev4.735e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aX_slope vs run
χ² / ndf 1.421e−25 / 35
p0 −1168 ± 1.81
−1155
−1160
−1165
−1170
−1175
−1180
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

×10⁻¹⁵
pull
Entries 36
Mean 18
Std Dev 10.39
60
50
40
30
20
10
0

pull1D
Entries 36
Mean 6.282e−14
Std Dev 2.075e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ2 / ndf 2.608e−25 / 35
p0 1309 ± 1.781
1320
1315
1310
1305
1300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
80
70
60
50
40
30
20
10
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 8.511e−14
Std Dev2.679e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run

dit_atr2_4aY_slope vs run
χ^2 / ndf 3.545e−29 / 35
p0 12.16 ± 0.5967
16
15
14
13
12
11
10
9
8
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
1
0.8
0.6
0.4
0.2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 9.923e−16
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ² / ndf 3.77e−26 / 35
p0 73.19 ± 0.5855
77
76
75
74
73
72
71
70
69
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −3.236e−14
Std Dev7.336e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run
χ^2 / ndf 6.484e−31 / 35
p0 1.421 ± 0.2758
3
2.5
2
1.5
1
0.5
0
−0.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10^−15
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

pull1D
Entries 36
Mean −1.342e−16
Std Dev 5.232e−24
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eX_slope vs run
χ² / ndf 3.689e−27 / 35
p0 −14.46 ± 0.2632
−13
−13.5
−14
−14.5
−15
−15.5
−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10⁻¹⁵
0
−2
−4
−6
−8
−10

pull1D
Entries 36
Mean −1.012e−14
Std Dev1.497e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ^2 / ndf 0 / 35
p0 –44.06 ± 0.1108
–43.4
–43.6
–43.8
–44
–44.2
–44.4
–44.6
–44.8
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ² / ndf 1.362e−26 / 35
p0 −55.21 ± 0.1218
−54.4
−54.6
−54.8
−55
−55.2
−55.4
−55.6
−55.8
−56
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 36
Mean −1.945e−14
Std Dev 8.984e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run
χ2 / ndf 2.675e−28 / 35
p0 57.88 ± 4.344
80
70
60
50
40
30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
2.5
2
1.5
1
0.5
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 2.726e−15
Std Dev 5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eX_slope vs run
χ^2 / ndf 9.56e−27 / 35
p0 −370.5 ± 4.07
−350
−360
−370
−380
−390
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −1.63e−14
Std Dev 3.668e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run
χ² / ndf 0 / 35
p0 44.1 ± 0.4324
47
46
45
44
43
42
41
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ² / ndf 1.443e−25 / 35
p0 −368.7 ± 0.5985
−365
−366
−367
−368
−369
−370
−371
−372
−373
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 6.332e−14
Std Dev 2.241e−21

dit_sam3_4aX_slope vs run
χ² / ndf 1.233e−28 / 35
p0 −24.46 ± 2.879
−5
−10
−15
−20
−25
−30
−35
−40
−45
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.851e−15
Std Dev 3.743e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eX_slope vs run
χ² / ndf 1.046e−28 / 35
p0 −74.14 ± 2.779
−55
−60
−65
−70
−75
−80
−85
−90
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.705e−15
Std Dev7.941e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ² / ndf 1.776e−28 / 35
p0 −3.54 ± 0.1333
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
−4.2
−4.4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −2.221e−15
Std Dev 8.37e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ2 / ndf 1.461e−26 / 35
p0 14.3 ± 0.191
15.5
15
14.5
14
13.5
13
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
0
−5
−10
−15
−20
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −2.015e−14
Std Dev 5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run

dit_sam4_4eX_slope vs run
χ^2 / ndf 5.317e−27 / 35
p0 −126.9 ± 2.339
−115
−120
−125
−130
−135
−140
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
0
−2
−4
−6
−8
−10
−12
pull
Entries 36
Mean 18
Std Dev 10.39
pull1D
Entries 36
Mean −1.215e−14
Std Dev 5.187e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ² / ndf 3.903e−30 / 35
p0 2.874 ± 0.4496
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 3.293e−16
Std Dev 1.48e−23

dit_sam4_4eY_slope vs run
χ² / ndf 0 / 35
p0 163.9 ± 0.6856
168
167
166
165
164
163
162
161
160
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.526e−27 / 35
p0 −6.032 ± 0.2501
−4.5
−5
−5.5
−6
−6.5
−7
−7.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18
Std Dev 10.39
×10^-15
0
−1
−2
−3
−4
−5
−6

pull1D
Entries 36
Mean −6.511e−15
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ2 / ndf 8.251e−27 / 35
p0 56.62 ± 0.07822
57
56.8
56.6
56.4
56.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
14
12
10
8
6
4
2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.514e−14
Std Dev 5.603e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ² / ndf 4.657e−26 / 35
p0 18.77 ± 0.09878
19.4
19.2
19
18.8
18.6
18.4
18.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 3.597e−14
Std Dev 1.746e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run
χ^2 / ndf 2.231e−27 / 35
p0 49.42 ± 1.053
56
54
52
50
48
46
44
42
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
0
−1
−2
−3
−4
−5
−6
−7
−8
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −7.873e−15
Std Dev 2.118e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eX_slope vs run
χ^2 / ndf 1.145e−28 / 35
p0 −25.41 ± 0.9959
−20
−22
−24
−26
−28
−30
−32
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 1.784e−15
Std Dev 5.919e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_11X12X_slope vs run

dit_sam6_4aY_slope vs run
χ^2 / ndf 1.598e−26 / 35
p0 37.81 ± 0.1124
38.6
38.4
38.2
38
37.8
37.6
37.4
37.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull
Entries 36
Mean 18
Std Dev 10.39
$\times 10^{-15}$
22
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 36
Mean 2.107e−14
Std Dev 2.995e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ^2 / ndf 4.606e−27 / 35
p0 9.939 ± 0.157
11
10.5
10
9.5
9
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
0
−2
−4
−6
−8
−10
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −1.131e−14
Std Dev 3.348e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ^2 / ndf 2.627e−26 / 35
p0 87.04 ± 0.4384
90
89
88
87
86
85
84
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
0
−5
−10
−15
−20
−25
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −2.701e−14
Std Dev 8.984e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ^2 / ndf 9.625e−26 / 35
p0 −126.6 ± 0.4123
−124
−125
−126
−127
−128
−129
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
50
40
30
20
10
0
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 5.171e−14
Std Dev 1.037e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
χ2 / ndf 1.846e−25 / 35
p0 7.624 ± 0.0124
7.7
7.68
7.66
7.64
7.62
7.6
7.58
7.56
7.54
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−15
70
60
50
40
30
20
10
0
pull
Entries 36
Mean 18
Std Dev 10.39
pull1D
Entries 36
Mean 7.161e−14
Std Dev2.396e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ2 / ndf 1.312e−24 / 35
p0 −10.73 ± 0.01551
−10.64
−10.66
−10.68
−10.7
−10.72
−10.74
−10.76
−10.78
−10.8
−10.82
−10.84
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10−12
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 36
Mean 18
Std Dev 10.39
pull1D
Entries 36
Mean −1.909e−13
Std Dev3.388e−21
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.593e−27 / 35
p0 62.63 ± 0.8902
68
66
64
62
60
58
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^-15
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean 6.652e−15
Std Dev 2.9e−22
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 2.786e−28 / 35
p0 −77.36 ± 0.8515
−72
−74
−76
−78
−80
−82
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^−15
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −2.782e−15
Std Dev5.294e−23
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_11X12X_slope vs run
χ^2 / ndf 0 / 35
p0 0.296 ± 0.02937
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam8_4aY_slope vs run
χ² / ndf 0 / 35
p0 −51.11 ± 0.1686
−50
−50.5
−51
−51.5
−52
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 36
Mean 0
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eY_slope vs run
χ² / ndf 5.388e−26 / 35
p0 48.83 ± 0.2449
50.5
50
49.5
49
48.5
48
47.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 36
Mean 18
Std Dev 10.39

pull1D
Entries 36
Mean −3.869e−14
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_mean vs run

dit_4aX_coil1_err_mean vs run
χ² / ndf 1.276e+32 / 35
p0 5.261± 1.667e−16
pull
Entries 36
Mean −7.938e+06
Std Dev 7.938e+06
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4aX_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil1_mean vs run
χ2 / ndf 1.91e+35 / 35
p0 –300.3 ± 1.667e–16
0
–50
–100
–150
–200
–250
–300
–350
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
300
250
200
150
100
50
0
pull
Entries 36
Mean –6.474e+08
Std Dev 6.474e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_4eX_coil1_err_mean vs run

dit_4eX_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil1_mean vs run
χ² / ndf 9.88e+34 / 35
p0 −214.7 ± 1.667e−16
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
200
150
100
50
0
pull
Entries 36
Mean −6.772e+09
Std Dev 6.772e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil1_err_mean vs run

dit_11X12X_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 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
χ² / ndf 1.406e+32 / 35
p0 7.563 ± 1.667e−16
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
−8000
pull
Entries 36
Mean 1.359e+09
Std Dev 1.359e+09
pull1D
Entries 36
Mean 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_err_mean vs run
χ² / ndf 6.836e+30 / 35
p0 1.287 ± 1.667e−16
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
1000
500
0
−500
−1000
pull
Entries 36
Mean 8.317e+07
Std Dev 8.317e+07
pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil1_mean vs run

dit_4eY_coil1_err_mean vs run
χ² / ndf 5.204e+30 / 35
p0 1.029 ± 1.667e−16
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
1000
500
0
−500
−1000
pull
Entries 36
Mean −5.706e+07
Std Dev 5.706e+07
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil1_mean vs run
χ² / ndf inf / 35
p0 1.919e+04 ± 1.667e−16
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
0
−5
−10
−15
−20
pull
Entries 36
Mean 1.726e+09
Std Dev 1.726e+09

pull1D
Entries 36
Mean 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 2.098e+36 / 35
p0 788.1± 1.667e−16
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 6.117e+07
Std Dev 6.117e+07

pull1D
Entries 36
Mean 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 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 / 35
p0 −2.397e+04 ± 1.667e−16
0
−5000
−10000
−15000
−20000
−25000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
25
20
15
10
5
0
pull
Entries 36
Mean 1.604e+09
Std Dev 1.604e+09
pull1D
Entries 36
Mean 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 6.604e+35 / 35
p0 457 ± 1.667e−16
700
600
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
200
100
0
−100
−200
−300
−400
pull
Entries 36
Mean 8.985e+08
Std Dev 8.985e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 / 35
p0 −2.143e+04 ± 1.667e−16
0
−5000
−10000
−15000
−20000
−25000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
20
15
10
5
0
pull
Entries 36
Mean 2.365e+09
Std Dev 2.365e+09
pull1D
Entries 36
Mean 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 6.164e+36 / 35
p0 1429 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
500
0
−500
−1000
−1500
pull
Entries 36
Mean −8.407e+07
Std Dev 8.407e+07
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 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 / 35
p0 3.244e+04 ± 1.667e−16
35000
30000
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
0
−5
−10
−15
−20
−25
−30
pull
Entries 36
Mean −5.718e+08
Std Dev 5.718e+08
pull1D
Entries 36
Mean 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 1.217e+37 / 35
p0 1911± 1.667e−16
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 36
Mean 5.585e+07
Std Dev 5.585e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_mean vs run

dit_atr1_coil1_err_mean vs run
χ² / ndf 4.025e+35 / 35
p0 389.1± 1.667e−16
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
0
−100
−200
−300
−400
pull
Entries 36
Mean −4.552e+08
Std Dev 4.552e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_mean vs run
χ2 / ndf inf / 35
p0 −2.622e+04 ± 1.667e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
25
20
15
10
5
0
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil1_err_mean vs run
χ² / ndf 5.159e+36 / 35
p0 1289 ± 1.667e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.045e+08
Std Dev 2.045e+08

pull1D
Entries 36
Mean 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 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_mean vs run
χ² / ndf 1.968e+37 / 35
p0 3026 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 36
Mean 3.632e+08
Std Dev 3.632e+08

pull1D
Entries 36
Mean 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 1.292e+35 / 35
p0 120.7 ± 1.667e−16
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
150
100
50
0
−50
−100
pull
Entries 36
Mean 2.019e+08
Std Dev 2.019e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil1_mean vs run
×10^3
χ² / ndf inf / 35
p0 9.18e+04 ± 1.667e−16
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
pull
Entries 36
Mean 5.875e+08
Std Dev 5.875e+08
0
−20
−40
−60
−80

pull1D
Entries 36
Mean 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 7.986e+36 / 35
p0 1472 ± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
pull
Entries 36
Mean 7.512e+08
Std Dev 7.512e+08

pull1D
Entries 36
Mean 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 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 / 35
p0 2.888e+04 ± 1.667e−16
35000
30000
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
pull
Entries 36
Mean 1.22e+09
Std Dev 1.22e+09

pull1D
Entries 36
Mean 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 1.42e+36 / 35
p0 575.2 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 36
Mean 1.053e+08
Std Dev 1.053e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_mean vs run
χ² / ndf inf / 35
p0 3.906e+04 ± 1.667e−16
40000
30000
20000
10000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
−35
−40
pull
Entries 36
Mean −3.241e+08
Std Dev 3.241e+08

pull1D
Entries 36
Mean 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 2.414e+36 / 35
p0 751 ± 1.667e−16
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 7.544e+07
Std Dev 7.544e+07

pull1D
Entries 36
Mean 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 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_mean vs run
χ² / ndf 2.581e+36 / 35
p0 979.8 ± 1.667e−16
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean 4.68e+08
Std Dev 4.68e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_err_mean vs run
χ² / ndf 2.709e+34 / 35
p0 94.67 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
20
0
−20
−40
−60
−80
−100
pull
Entries 36
Mean −1.134e+08
Std Dev 1.134e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 7.716e+37 / 35
p0 –5794 ± 1.667e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
–7000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
6000
5000
4000
3000
2000
1000
0
–1000
pull
Entries 36
Mean 5.267e+08
Std Dev 5.267e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam6_coil1_err_mean vs run
χ² / ndf 7.567e+34 / 35
p0 147.6 ± 1.667e−16
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
50
0
−50
−100
−150
pull
Entries 36
Mean −2.611e+08
Std Dev 2.611e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 / 35
p0 1.389e+04 ± 1.667e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
0
−2
−4
−6
−8
−10
−12
−14
pull
Entries 36
Mean 7.455e+09
Std Dev 7.455e+09

pull1D
Entries 36
Mean 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 1.216e+35 / 35
p0 194.9 ± 1.667e−16
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
−150
−200
pull
Entries 36
Mean −4.23e+08
Std Dev 4.23e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 7.762e+37 / 35
p0 5923 ± 1.667e−16
7000
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
pull
Entries 36
Mean −1.516e+09
Std Dev 1.516e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil1_err_mean vs run
χ² / ndf 2.283e+34 / 35
p0 90.01± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
20
0
−20
−40
−60
−80
pull
Entries 36
Mean −4.988e+08
Std Dev 4.988e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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
χ² / ndf 4.842e+31 / 35
p0 3.967 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 4.16e+07
Std Dev 4.16e+07
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4aX_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run
χ² / ndf 5.013e+31 / 35
p0 4.01 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −7.076e+07
Std Dev 7.076e+07
×10¹²
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4eX_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil3_mean vs run
χ^2 / ndf 1.13e+34 / 35
p0 −71.95 ± 1.667e−16
0
−10
−20
−30
−40
−50
−60
−70
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
70
60
50
40
30
20
10
0
−10
pull
Entries 36
Mean −1.25e+09
Std Dev 1.25e+09

pull1D
Entries 36
Mean 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
χ² / ndf 1.574e+32 / 35
p0 4.632 ± 1.667e−16
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
4000
2000
0
−2000
−4000
pull
Entries 36
Mean −3.678e+08
Std Dev 3.678e+08
pull1D
Entries 36
Mean 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_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ² / ndf 8.728e+31 / 35
p0 6.187 ± 1.667e−16
pull
Entries 36
Mean −2.737e+09
Std Dev 2.737e+09
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run
χ2 / ndf 4.327e+30 / 35
p0 0.9414 ± 1.667e−16
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^12
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean 1.594e+08
Std Dev 1.594e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil3_mean vs run

dit_4eY_coil3_err_mean vs run
χ² / ndf 2.205e+30 / 35
p0 0.7889 ± 1.667e−16
1.2
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 2.222e+08
Std Dev 2.222e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_mean vs run
χ² / ndf 2.49e+37 / 35
p0 3245 ± 1.667e−16
4000
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 36
Mean 3.909e+08
Std Dev 3.909e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_err_mean vs run
χ² / ndf 1.666e+36 / 35
p0 563.8 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 36
Mean −1.8e+08
Std Dev 1.8e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil3_mean vs run
χ² / ndf 3.475e+37 / 35
p0 −3963 ± 1.667e−16
0
−1000
−2000
−3000
−4000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 6.448e+08
Std Dev 6.448e+08
×10^15
4000
3500
3000
2500
2000
1500
1000
500
0
−500
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil3_err_mean vs run
χ² / ndf 3.554e+35 / 35
p0 341.3 ± 1.667e−16
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
0
−100
−200
−300
pull
Entries 36
Mean 8.01e+07
Std Dev 8.01e+07

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_mean vs run

dit_atl1_coil3_err_mean vs run
χ² / ndf 4.484e+36 / 35
p0 1006 ± 1.667e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean −1.933e+07
Std Dev 1.933e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil3_mean vs run
χ² / ndf 8.143e+37 / 35
p0 5459 ± 1.667e−16
7000
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 36
Mean −3.917e+08
Std Dev 3.917e+08

pull1D
Entries 36
Mean 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 1.04e+37 / 35
p0 1341± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
1000
500
0
−500
−1000
pull
Entries 36
Mean 2.382e+08
Std Dev 2.382e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 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
χ² / ndf 8.178e+36 / 35
p0 1813 ± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
500
0
−500
−1000
−1500
pull
Entries 36
Mean 3.122e+08
Std Dev 3.122e+08

pull1D
Entries 36
Mean 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 2.036e+35 / 35
p0 276.8 ± 1.667e−16
400
350
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
50
0
−50
−100
−150
−200
−250
pull
Entries 36
Mean −6.184e+08
Std Dev 6.184e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_mean vs run
χ² / ndf 5.152e+37 / 35
p0 −4101 ± 1.667e−16
0
−1000
−2000
−3000
−4000
−5000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
4000
3000
2000
1000
0
−1000
pull
Entries 36
Mean −1.214e+09
Std Dev 1.214e+09

pull1D
Entries 36
Mean 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
χ² / ndf 3.061e+36 / 35
p0 914.9 ± 1.667e−16
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 1.19e+07
Std Dev 1.19e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_mean vs run
χ² / ndf 8.962e+34 / 35
p0 −36.79 ± 1.667e−16
40
20
0
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
80
60
40
20
0
−20
−40
−60
−80
pull
Entries 36
Mean 9.806e+08
Std Dev 9.806e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil3_err_mean vs run
χ² / ndf 8.472e+34 / 35
p0 97.88 ± 1.667e−16
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 36
Mean −5.301e+08
Std Dev 5.301e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_mean vs run
χ² / ndf inf / 35
p0 1.259e+04 ± 1.667e−16
14000
12000
10000
8000
6000
4000
2000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
2
0
−2
−4
−6
−8
−10
−12
pull
Entries 36
Mean −3.724e+08
Std Dev 3.724e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_err_mean vs run
χ² / ndf 5.151e+36 / 35
p0 1218 ± 1.667e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean −4.805e+07
Std Dev 4.805e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 4.307e+37 / 35
p0 4172 ± 1.667e−16
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
0
−1000
−2000
−3000
−4000
pull
Entries 36
Mean −1.186e+09
Std Dev 1.186e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil3_err_mean vs run
χ² / ndf 4.797e+35 / 35
p0 432.3 ± 1.667e−16
600
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
0
−100
−200
−300
−400
pull
Entries 36
Mean 1.24e+09
Std Dev 1.24e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil3_mean vs run
χ² / ndf 9.831e+37 / 35
p0 6636 ± 1.667e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 36
Mean −7.759e+08
Std Dev 7.759e+08

pull1D
Entries 36
Mean 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

dit_sam4_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil3_mean vs run
χ² / ndf 6.93e+35 / 35
p0 550.2 ± 1.667e−16
700
600
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
0
−100
−200
−300
−400
−500
pull
Entries 36
Mean −1.454e+10
Std Dev 1.454e+10
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil3_err_mean vs run
χ² / ndf 4.025e+34 / 35
p0 77.3 ± 1.667e−16
140
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
60
40
20
0
−20
−40
−60
−80
pull
Entries 36
Mean 3.09e+10
Std Dev 3.09e+10

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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 7.299e+35 / 35
p0 −280 ± 1.667e−16
0
−100
−200
−300
−400
−500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
300
200
100
0
−100
−200
pull
Entries 36
Mean 1.604e+09
Std Dev 1.604e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil3_err_mean vs run
χ² / ndf 1.157e+35 / 35
p0 114.3 ± 1.667e−16
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
pull
Entries 36
Mean 9.703e+08
Std Dev 9.703e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 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
χ² / ndf 1.574e+37 / 35
p0 2711± 1.667e−16
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean −4.014e+08
Std Dev 4.014e+08

pull1D
Entries 36
Mean 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
χ² / ndf 8.365e+34 / 35
p0 164.3 ± 1.667e−16
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
50
0
−50
−100
−150
pull
Entries 36
Mean 7.257e+07
Std Dev 7.257e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil3_mean vs run
χ² / ndf 4.167e+36 / 35
p0 1321± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean −9.515e+08
Std Dev 9.515e+08

pull1D
Entries 36
Mean 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

dit_sam8_coil3_Ndata_mean vs run
χ² / ndf 5.916e+36 / 35
p0 1189 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 2.042e+08
Std Dev 2.042e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil7_mean vs run

dit_4aX_coil7_err_mean vs run
χ² / ndf 2.052e+32 / 35
p0 7.709 ± 1.667e−16
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
2000
0
−2000
−4000
−6000
−8000
pull
Entries 36
Mean 3.031e+08
Std Dev 3.031e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil7_mean vs run
χ² / ndf 1.572e+34 / 35
p0 61.31± 1.667e−16
90
80
70
60
50
40
30
20
10
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
20
10
0
−10
−20
−30
−40
−50
−60
pull
Entries 36
Mean 7.651e+07
Std Dev 7.651e+07

pull1D
Entries 36
Mean 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
χ² / ndf 2.024e+32 / 35
p0 7.681± 1.667e−16
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
2000
0
−2000
−4000
−6000
−8000
pull
Entries 36
Mean 1.581e+08
Std Dev 1.581e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run

dit_11X12X_coil7_mean vs run
χ² / ndf 5.552e+35 / 35
p0 −349.6 ± 1.667e−16
0
−100
−200
−300
−400
−500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
300
200
100
0
−100
pull
Entries 36
Mean −7.805e+06
Std Dev 7.805e+06
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil7_err_mean vs run
χ² / ndf 4.276e+32 / 35
p0 10.29 ± 1.667e−16
16
14
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 36
Mean −1.426e+08
Std Dev 1.426e+08
pull1D
Entries 36
Mean 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_Ndata_mean vs run

dit_4aY_coil7_mean vs run
χ² / ndf 4.909e+31 / 35
p0 3.089 ± 1.667e−16
0
1
2
3
4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 36
Mean 1.073e+09
Std Dev 1.073e+09
pull1D
Entries 36
Mean 0
Std Dev 0
0
0.2
0.4
0.6
0.8
1
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil7_err_mean vs run
χ² / ndf 8.371e+30 / 35
p0 1.614 ± 1.667e−16
2.5
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
1000
500
0
−500
−1000
−1500
pull
Entries 36
Mean 1.565e+09
Std Dev 1.565e+09
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
χ² / ndf 4.087e+31 / 35
p0 2.968 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −2.122e+09
Std Dev 2.122e+09
×10¹²
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run
χ² / ndf 6.429e+30 / 35
p0 1.364 ± 1.667e−16
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 1.614e+08
Std Dev 1.614e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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 / 35
p0 3.497e+04 ± 1.667e−16
50000
40000
30000
20000
10000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
10
0
−10
−20
−30
pull
Entries 36
Mean 4.069e+07
Std Dev 4.069e+07
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_err_mean vs run
χ² / ndf 7.092e+36 / 35
p0 1229 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean −2.567e+08
Std Dev 2.567e+08

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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 / 35
p0 1.975e+04 ± 1.667e−16
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
pull
Entries 36
Mean −1.633e+08
Std Dev 1.633e+08
pull1D
Entries 36
Mean 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 2.637e+36 / 35
p0 828.8 ± 1.667e−16
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
200
0
−200
−400
−600
−800
pull
Entries 36
Mean −4.037e+08
Std Dev 4.037e+08

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 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
×10^3
χ² / ndf inf / 35
p0 8.685e+04 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
pull
Entries 36
Mean 3.358e+07
Std Dev 3.358e+07
40
20
0
−20
−40
−60
−80

pull1D
Entries 36
Mean 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 3.806e+37 / 35
p0 2772 ± 1.667e−16
4000
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean 2.278e+08
Std Dev 2.278e+08

pull1D
Entries 36
Mean 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
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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_mean vs run
×10^3
χ² / ndf inf / 35
p0 9.165e+04 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
pull
Entries 36
Mean −1.509e+07
Std Dev 1.509e+07
20
0
−20
−40
−60
−80

pull1D
Entries 36
Mean 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 4.345e+37 / 35
p0 3050 ± 1.667e−16
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
pull
Entries 36
Mean 6.474e+08
Std Dev 6.474e+08

pull1D
Entries 36
Mean 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
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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_mean vs run
χ² / ndf 6.319e+37 / 35
p0 –1345 ± 1.667e–16
2000
1000
0
–1000
–2000
–3000
–4000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
3000
2000
1000
0
–1000
–2000
pull
Entries 36
Mean 1.107e+09
Std Dev 1.107e+09

pull1D
Entries 36
Mean 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 1.592e+36 / 35
p0 630.3 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 36
Mean 8.664e+08
Std Dev 8.664e+08

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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
χ² / ndf inf / 35
p0 7.822e+04 ± 1.667e−16
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
pull
Entries 36
Mean 1.058e+07
Std Dev 1.058e+07
20
0
−20
−40
−60
−80

pull1D
Entries 36
Mean 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 2.674e+37 / 35
p0 2464 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean −1.48e+08
Std Dev 1.48e+08

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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
χ² / ndf 4.449e+36 / 35
p0 −1213 ± 1.667e−16
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1200
1000
800
600
400
200
0
−200
−400
pull
Entries 36
Mean −2.267e+09
Std Dev 2.267e+09

pull1D
Entries 36
Mean 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 9.181e+34 / 35
p0 165.6 ± 1.667e−16
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
50
0
−50
−100
−150
pull
Entries 36
Mean 7.229e+07
Std Dev 7.229e+07
pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_mean vs run
χ2 / ndf inf / 35
p0 −2.026e+04 ± 1.667e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
20
15
10
5
0
−5
pull
Entries 36
Mean 7.751e+06
Std Dev 7.751e+06
pull1D
Entries 36
Mean 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 1.953e+37 / 35
p0 2280 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 36
Mean 4.589e+07
Std Dev 4.589e+07

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_mean vs run
χ² / ndf 1.544e+38 / 35
p0 –6068 ± 1.667e–16
0
–2000
–4000
–6000
–8000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
6000
5000
4000
3000
2000
1000
0
–1000
–2000
pull
Entries 36
Mean 2.566e+08
Std Dev 2.566e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam3_coil7_err_mean vs run
χ² / ndf 2.835e+36 / 35
p0 874.8 ± 1.667e−16
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 3.139e+09
Std Dev 3.139e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 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 2.393e+38 / 35
p0 −7208 ± 1.667e−16
0
−2000
−4000
−6000
−8000
−10000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
6000
4000
2000
0
−2000
pull
Entries 36
Mean −8.218e+06
Std Dev 8.218e+06
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil7_err_mean vs run
χ² / ndf 4.351e+36 / 35
p0 1112 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean 5.352e+08
Std Dev 5.352e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil7_mean vs run
χ² / ndf 2.561e+35 / 35
p0 65.98 ± 1.667e−16
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
pull
Entries 36
Mean 7.488e+08
Std Dev 7.488e+08
50
0
−50
−100
−150

pull1D
Entries 36
Mean 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 6.442e+34 / 35
p0 132.9 ± 1.667e−16
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
pull
Entries 36
Mean −9.533e+07
Std Dev 9.533e+07

pull1D
Entries 36
Mean 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 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_mean vs run
χ² / ndf 9.837e+36 / 35
p0 1563 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
500
0
−500
−1000
−1500
pull
Entries 36
Mean −4.435e+08
Std Dev 4.435e+08

pull1D
Entries 36
Mean 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 1.503e+35 / 35
p0 214.2 ± 1.667e−16
350
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
−150
−200
pull
Entries 36
Mean 7.334e+08
Std Dev 7.334e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 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
χ² / ndf 2.216e+37 / 35
p0 −2333 ± 1.667e−16
0
−500
−1000
−1500
−2000
−2500
−3000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
2000
1500
1000
500
0
−500
pull
Entries 36
Mean 1.349e+08
Std Dev 1.349e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_err_mean vs run
χ² / ndf 3.357e+35 / 35
p0 318.2 ± 1.667e−16
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
150
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 36
Mean 4.504e+08
Std Dev 4.504e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_mean vs run
χ² / ndf 2.887e+36 / 35
p0 –827 ± 1.667e–16
0
–200
–400
–600
–800
–1000
–1200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

×10¹⁵
800
600
400
200
0
–200
–400
pull
Entries 36
Mean –1.26e+08
Std Dev 1.26e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam8_coil7_err_mean vs run
χ² / ndf 1.126e+35 / 35
p0 145.8 ± 1.667e−16
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
50
0
−50
−100
−150
pull
Entries 36
Mean −9.125e+08
Std Dev 9.125e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil7_Ndata_mean vs run
χ² / ndf 1.036e+37 / 35
p0 1234 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 1.635e+08
Std Dev 1.635e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil4_mean vs run

dit_4aX_coil4_err_mean vs run
χ² / ndf 2.106e+32 / 35
p0 8 ± 1.667e−16
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 36
Mean −2.468e+08
Std Dev 2.468e+08

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08
pull1D
Entries 36
Mean 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

dit_4eX_coil4_err_mean vs run
χ² / ndf 2.128e+32 / 35
p0 8.023 ± 1.667e−16
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 36
Mean 1.044e+09
Std Dev 1.044e+09

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 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_coil4_mean vs run
χ² / ndf 6.711e+32 / 35
p0 −1.778 ± 1.667e−16
10
8
6
4
2
0
−2
−4
−6
−8
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
10000
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 36
Mean 7.121e+08
Std Dev 7.121e+08
pull1D
Entries 36
Mean 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_coil4_err_mean vs run
χ² / ndf 2.748e+32 / 35
p0 7.833 ± 1.667e−16
12
10
8
6
4
2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
2000
0
−2000
−4000
−6000
−8000
pull
Entries 36
Mean 5.939e+06
Std Dev 5.939e+06
pull1D
Entries 36
Mean 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_coil4_Ndata_mean vs run

dit_4aY_coil4_mean vs run
χ² / ndf 1.589e+35 / 35
p0 249 ± 1.667e−16
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
50
0
−50
−100
−150
−200
−250
pull
Entries 36
Mean 1.479e+08
Std Dev 1.479e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil4_err_mean vs run
χ^2 / ndf 3.64e+31 / 35
p0 2.853 ± 1.667e−16
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 0
Std Dev 0
×10^12
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil4_Ndata_mean vs run
χ^2 / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_mean vs run
χ² / ndf 1.348e+35 / 35
p0 235.6 ± 1.667e−16
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
50
0
−50
−100
−150
−200
pull
Entries 36
Mean 1.907e+09
Std Dev 1.907e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_err_mean vs run
χ² / ndf 1.962e+31 / 35
p0 2.291± 1.667e−16
3
2.5
2
1.5
1
0.5
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
500
0
−500
−1000
−1500
−2000
pull
Entries 36
Mean −4.731e+09
Std Dev 4.731e+09
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 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
χ² / ndf inf / 35
p0 1.308e+04 ± 1.667e−16
16000
14000
12000
10000
8000
6000
4000
2000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
2
0
−2
−4
−6
−8
−10
−12
pull
Entries 36
Mean −1.215e+09
Std Dev 1.215e+09

pull1D
Entries 36
Mean 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 4.53e+36 / 35
p0 1062 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean 1.434e+08
Std Dev 1.434e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_mean vs run
χ² / ndf 4.853e+37 / 35
p0 4262 ± 1.667e−16
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
0
−1000
−2000
−3000
−4000
pull
Entries 36
Mean −2.619e+08
Std Dev 2.619e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_err_mean vs run
χ² / ndf 1.395e+36 / 35
p0 696.3 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
200
0
−200
−400
−600
pull
Entries 36
Mean 1.368e+08
Std Dev 1.368e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil4_mean vs run
χ² / ndf inf / 35
p0 1.448e+04 ± 1.667e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
pull
Entries 36
Mean 1.542e+09
Std Dev 1.542e+09

pull1D
Entries 36
Mean 0
Std Dev 0

dit_atl1_coil4_err_mean vs run
χ² / ndf 1.269e+37 / 35
p0 1939 ± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
500
0
−500
−1000
−1500
−2000
pull
Entries 36
Mean −1.214e+08
Std Dev 1.214e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil4_mean vs run
χ² / ndf inf / 35
p0 3.421e+04 ± 1.667e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30
−35
pull
Entries 36
Mean −4.029e+08
Std Dev 4.029e+08
pull1D
Entries 36
Mean 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 2.708e+37 / 35
p0 2494 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean 2.054e+08
Std Dev 2.054e+08

pull1D
Entries 36
Mean 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
χ^2 / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_mean vs run
χ² / ndf 4.186e+37 / 35
p0 –4032 ± 1.667e–16
0
–1000
–2000
–3000
–4000
–5000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
4000
3000
2000
1000
0
–1000
pull
Entries 36
Mean 2.105e+08
Std Dev 2.105e+08
pull1D
Entries 36
Mean 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 1.287e+36 / 35
p0 579.8 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
200
0
−200
−400
−600
pull
Entries 36
Mean 3.291e+08
Std Dev 3.291e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil4_Ndata_mean vs run
χ^2 / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_mean vs run
χ² / ndf inf / 35
p0 2.527e+04 ± 1.667e−16
30000
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 36
Mean 1.173e+09
Std Dev 1.173e+09
pull1D
Entries 36
Mean 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 9.775e+36 / 35
p0 1797 ± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
500
0
−500
−1000
−1500
pull
Entries 36
Mean −1.04e+08
Std Dev 1.04e+08
pull1D
Entries 36
Mean 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 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_mean vs run
χ2 / ndf inf / 35
p0 −2.401e+04 ± 1.667e−16
0
−5000
−10000
−15000
−20000
−25000
−30000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
25
20
15
10
5
0
−5
pull
Entries 36
Mean 3.853e+08
Std Dev 3.853e+08
pull1D
Entries 36
Mean 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 3.676e+35 / 35
p0 283.6 ± 1.667e−16
400
350
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 36
Mean 2.005e+08
Std Dev 2.005e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil4_mean vs run
×10^3
χ^2 / ndf inf / 35
p0 −7.641e+04 ± 1.667e−16
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

×10^18
80
60
40
20
0
−20
pull
Entries 36
Mean −1.565e+08
Std Dev 1.565e+08

pull1D
Entries 36
Mean 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 2.014e+37 / 35
p0 2523 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean −1.201e+08
Std Dev 1.201e+08

pull1D
Entries 36
Mean 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

dit_sam3_coil4_mean vs run
χ² / ndf 1.85e+37 / 35
p0 2343 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
500
0
−500
−1000
−1500
−2000
−2500
pull
Entries 36
Mean 6.154e+08
Std Dev 6.154e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_err_mean vs run
χ² / ndf 2.826e+36 / 35
p0 870.4 ± 1.667e−16
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 1.898e+08
Std Dev 1.898e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_mean vs run
χ² / ndf inf / 35
p0 3.882e+04 ± 1.667e−16
50000
40000
30000
20000
10000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
10
0
−10
−20
−30
−40
pull
Entries 36
Mean −8.518e+08
Std Dev 8.518e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_err_mean vs run
χ² / ndf 4.724e+36 / 35
p0 1129 ± 1.667e−16
1800
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean −7.294e+08
Std Dev 7.294e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 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 / 35
p0 1.85e+04 ± 1.667e−16
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
pull
Entries 36
Mean 6.652e+08
Std Dev 6.652e+08

pull1D
Entries 36
Mean 0
Std Dev 0

dit_sam5_coil4_err_mean vs run
χ² / ndf 1.904e+35 / 35
p0 209.1± 1.667e−16
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
50
0
−50
−100
−150
−200
pull
Entries 36
Mean 1.041e+08
Std Dev 1.041e+08

pull1D
Entries 36
Mean 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 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil4_mean vs run
χ² / ndf inf / 35
p0 1.174e+04 ± 1.667e−16
14000
12000
10000
8000
6000
4000
2000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
pull
Entries 36
Mean 7.445e+08
Std Dev 7.445e+08

pull1D
Entries 36
Mean 0
Std Dev 0

dit_sam6_coil4_err_mean vs run
χ² / ndf 2.538e+35 / 35
p0 263.4 ± 1.667e−16
350
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
50
0
−50
−100
−150
−200
−250
pull
Entries 36
Mean 1.102e+08
Std Dev 1.102e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil4_mean vs run
χ² / ndf 2.993e+36 / 35
p0 –1044 ± 1.667e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
800
600
400
200
0
–200
–400
pull
Entries 36
Mean –8.943e+07
Std Dev 8.943e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam7_coil4_err_mean vs run
χ² / ndf 4.11e+35 / 35
p0 336.5 ± 1.667e−16
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
100
0
−100
−200
−300
pull
Entries 36
Mean −5.144e+08
Std Dev 5.144e+08
pull1D
Entries 36
Mean 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 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_mean vs run
χ² / ndf 1.101e+37 / 35
p0 −1566 ± 1.667e−16
0
−500
−1000
−1500
−2000
−2500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
1500
1000
500
0
−500
pull
Entries 36
Mean −1.475e+08
Std Dev 1.475e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.522e+35 / 35
p0 163.9 ± 1.667e−16
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
−150
pull
Entries 36
Mean 1.732e+08
Std Dev 1.732e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 9.649e+36 / 35
p0 1144 ± 1.667e−16
1600
1400
1200
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean 5.428e+08
Std Dev 5.428e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil6_mean vs run

dit_4aX_coil6_err_mean vs run
χ² / ndf 6.129e+31 / 35
p0 4.084 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹²
pull
Entries 36
Mean 2.432e+08
Std Dev 2.432e+08

pull1D
Entries 36
Mean 0
Std Dev 0

dit_4aX_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eX_coil6_mean vs run
χ² / ndf 2.178e+32 / 35
p0 −0.7031 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −3.377e+08
Std Dev 3.377e+08
×10¹²
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4eX_coil6_err_mean vs run
χ² / ndf 5.981e+31 / 35
p0 4.067 ± 1.667e−16
pull
Entries 36
Mean 1.334e+09
Std Dev 1.334e+09
pull1D
Entries 36
Mean 0
Std Dev 0

dit_4eX_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_11X12X_coil6_mean vs run
χ² / ndf 2.577e+32 / 35
p0 3.722 ± 1.667e−16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 9.358e+08
Std Dev 9.358e+08
×10¹²
pull1D
Entries 36
Mean 0
Std Dev 0

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ² / ndf 6.853e+33 / 35
p0 −54.74 ± 1.667e−16
0
−10
−20
−30
−40
−50
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
50
40
30
20
10
0
−10
pull
Entries 36
Mean −2.345e+08
Std Dev 2.345e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil6_err_mean vs run
χ2 / ndf 2.789e+30 / 35
p0 0.9854 ± 1.667e−16
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^12
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aY_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil6_mean vs run
χ² / ndf 1.352e+34 / 35
p0 −75.98 ± 1.667e−16
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
80
70
60
50
40
30
20
10
0
−10
pull
Entries 36
Mean −3.095e+08
Std Dev 3.095e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil6_err_mean vs run
χ2 / ndf 2.386e+30 / 35
p0 0.9221 ± 1.667e−16
1.2
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^12
200
0
−200
−400
−600
−800
pull
Entries 36
Mean 2.439e+08
Std Dev 2.439e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_4eY_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_mean vs run
χ² / ndf 5.156e+37 / 35
p0 –4596 ± 1.667e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
4000
3000
2000
1000
0
–1000
pull
Entries 36
Mean 3.534e+08
Std Dev 3.534e+08

pull1D
Entries 36
Mean 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 7.316e+36 / 35
p0 685 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1200
1000
800
600
400
200
0
−200
−400
−600
pull
Entries 36
Mean 4.285e+08
Std Dev 4.285e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_mean vs run
χ² / ndf 8.506e+36 / 35
p0 −1478 ± 1.667e−16
0
−500
−1000
−1500
−2000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1500
1000
500
0
−500
pull
Entries 36
Mean 3.784e+07
Std Dev 3.784e+07

pull1D
Entries 36
Mean 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 1.754e+36 / 35
p0 431.5 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
400
200
0
−200
−400
pull
Entries 36
Mean −4.642e+08
Std Dev 4.642e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_mean vs run
χ² / ndf 1.228e+38 / 35
p0 –5156 ± 1.667e–16
0
–2000
–4000
–6000
–8000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
5000
4000
3000
2000
1000
0
–1000
–2000
–3000
pull
Entries 36
Mean –4.1e+06
Std Dev 4.1e+06
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_atl1_coil6_err_mean vs run
χ² / ndf 5.331e+37 / 35
p0 1483 ± 1.667e−16
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
3000
2000
1000
0
−1000
pull
Entries 36
Mean −1.089e+09
Std Dev 1.089e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_mean vs run
χ2 / ndf inf / 35
p0 −1.219e+04 ± 1.667e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
12
10
8
6
4
2
0
−2
pull
Entries 36
Mean −3.971e+08
Std Dev 3.971e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_err_mean vs run
χ² / ndf 4.394e+37 / 35
p0 1643 ± 1.667e−16
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
3000
2000
1000
0
−1000
pull
Entries 36
Mean 7.798e+09
Std Dev 7.798e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil6_mean vs run
χ² / ndf 1.308e+37 / 35
p0 1869 ± 1.667e−16
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
500
0
−500
−1000
−1500
−2000
pull
Entries 36
Mean 1.064e+09
Std Dev 1.064e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil6_err_mean vs run
χ² / ndf 5.208e+35 / 35
p0 323.7 ± 1.667e−16
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
200
100
0
−100
−200
−300
pull
Entries 36
Mean 5.207e+08
Std Dev 5.207e+08
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_mean vs run
χ² / ndf 2.178e+38 / 35
p0 –9180 ± 1.667e–16
0
–2000
–4000
–6000
–8000
–10000
–12000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
8000
6000
4000
2000
0
–2000
pull
Entries 36
Mean 2.273e+08
Std Dev 2.273e+08
pull1D
Entries 36
Mean 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 2.786e+37 / 35
p0 1252 ± 1.667e−16
3500
3000
2500
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000
pull
Entries 36
Mean −3.135e+08
Std Dev 3.135e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_mean vs run
χ² / ndf 1.028e+38 / 35
p0 6629 ± 1.667e−16
8000
7000
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
pull
Entries 36
Mean 9.808e+08
Std Dev 9.808e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_err_mean vs run
χ² / ndf 2.721e+34 / 35
p0 105 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
20
0
−20
−40
−60
−80
−100
pull
Entries 36
Mean −2.745e+08
Std Dev 2.745e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_mean vs run
χ² / ndf inf / 35
p0 2.577e+04 ± 1.667e−16
35000
30000
25000
20000
15000
10000
5000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull
Entries 36
Mean 4.627e+08
Std Dev 4.627e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil6_err_mean vs run
χ² / ndf 5.667e+36 / 35
p0 1224 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 36
Mean −1.088e+08
Std Dev 1.088e+08
pull1D
Entries 36
Mean 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
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil6_mean vs run
χ² / ndf 2.906e+36 / 35
p0 −866.1 ± 1.667e−16
0
−200
−400
−600
−800
−1000
−1200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
800
600
400
200
0
−200
pull
Entries 36
Mean 3.507e+09
Std Dev 3.507e+09
pull1D
Entries 36
Mean 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 9.38e+35 / 35
p0 459.1± 1.667e−16
800
700
600
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
300
200
100
0
−100
−200
−300
−400
pull
Entries 36
Mean 6.467e+09
Std Dev 6.467e+09

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 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 inf / 35
p0 −1.242e+04 ± 1.667e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^18
12
10
8
6
4
2
0
−2
pull
Entries 36
Mean 1.85e+09
Std Dev 1.85e+09
pull1D
Entries 36
Mean 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 1.482e+36 / 35
p0 590.9 ± 1.667e−16
1000
800
600
400
200
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
400
200
0
−200
−400
−600
pull
Entries 36
Mean −4.69e+08
Std Dev 4.69e+08
pull1D
Entries 36
Mean 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 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 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 4.687e+37 / 35
p0 –4505 ± 1.667e–16
0
–1000
–2000
–3000
–4000
–5000
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
4000
3000
2000
1000
0
pull
Entries 36
Mean –6.291e+08
Std Dev 6.291e+08
pull1D
Entries 36
Mean 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 2.258e+34 / 35
p0 79.12 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
40
20
0
−20
−40
−60
−80
pull
Entries 36
Mean 6.435e+07
Std Dev 6.435e+07

pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_mean vs run
χ² / ndf 1.897e+37 / 35
p0 −2793 ± 1.667e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
2500
2000
1500
1000
500
0
−500
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_err_mean vs run
χ² / ndf 4.434e+34 / 35
p0 116.7 ± 1.667e−16
180
160
140
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
60
40
20
0
−20
−40
−60
−80
−100
−120
pull
Entries 36
Mean −8.911e+08
Std Dev 8.911e+08

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_mean vs run
χ² / ndf 1.355e+36 / 35
p0 580.8 ± 1.667e−16
800
700
600
500
400
300
200
100
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600
pull
Entries 36
Mean −4.397e+07
Std Dev 4.397e+07

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_coil6_err_mean vs run
χ² / ndf 9.755e+34 / 35
p0 169.3 ± 1.667e−16
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
100
50
0
−50
−100
−150
pull
Entries 36
Mean 3.195e+08
Std Dev 3.195e+08
pull1D
Entries 36
Mean 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_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0

pull1D
Entries 36
Mean 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 2.072e+36 / 35
p0 −753.6 ± 1.667e−16
0
−200
−400
−600
−800
−1000
−1200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1.243e+09
Std Dev 1.243e+09
×10^15
800
600
400
200
0
−200
−400

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_err_mean vs run
χ² / ndf 2.732e+34 / 35
p0 77.69 ± 1.667e−16
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10¹⁵
40
20
0
−20
−40
−60
−80
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_coil6_Ndata_mean vs run
χ² / ndf 1.136e+37 / 35
p0 1389 ± 1.667e−16
2000
1500
1000
500
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
×10^15
600
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 36
Mean 0
Std Dev 0
pull1D
Entries 36
Mean 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 6.012e+07 / 35
p0 5328 ± 218.4
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_run_rms vs run
χ2 / ndf 6.012e+07 / 35
p0 5328 ± 218.4
6000
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_slug_slope vs run
χ^2 / ndf 0 / 35
p0 107 ± 0.1667
108
107.8
107.6
107.4
107.2
107
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 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 4.062e+07 / 35
p0 4379 ± 179.5
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_cyclenum_rms vs run
χ2 / ndf 4.062e+07 / 35
p0 4379 ± 179.5
5000
4000
3000
2000
1000
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_scandata1_mean vs run
χ^2 / ndf 0 / 35
p0 0 ± 0.1667
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 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 / 35
p0 0 ± 0.1667
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata2_rms vs run
χ2 / ndf 0 / 35
p0 0 ± 0.1667
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

dit_flag_mean vs run
χ^2 / ndf 1.889 / 35
p0 0.9444 ± 0.03872
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

pull1D
Entries 36
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_flag_rms vs run
χ^2 / ndf 1.889 / 35
p0 0.9444 ± 0.03872
1
0.8
0.6
0.4
0.2
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 5.847 / 35
p0 −9.736 ± 2.039
10
0
−10
−20
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 160.4
Std Dev 140.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.01353
Std Dev 0.4028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 192.2 / 35
p0 −59.12 ± 0.8339
−40
−50
−60
−70
−80
−90
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.94
Std Dev 8.053
pull1D
Entries 36
Mean −0.6341
Std Dev 2.222

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.274 / 35
p0 −2.586 ± 2.036
20
10
0
−10
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 158.4
Std Dev 138.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.01351
Std Dev 0.3825
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 199.1 / 35
p0 −35.69 ± 1.059
pull
Entries 36
Mean 24.98
Std Dev 7.851

pull1D
Entries 36
Mean 0.6263
Std Dev 2.267

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 19.12 / 35
p0 0.6168 ± 0.04677
pull
Entries 36
Mean −206.7
Std Dev 223.1
pull1D
Entries 36
Mean −0.01974
Std Dev 0.7286

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 4.271 / 35
p0 −150.6 ± 14.04
0
−50
−100
−150
−200
−250
−300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 292.2
Std Dev 272.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.004156
Std Dev 0.3444
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 117.9 / 35
p0 −28.43 ± 5.572
50
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 22.54
Std Dev 9.079
4
3
2
1
0
−1
−2

pull1D
Entries 36
Mean −0.5734
Std Dev 1.716
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 3.575 / 35
p0 −154.9 ± 14.01
0
−50
−100
−150
−200
−250
−300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 297.5
Std Dev 278.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.004082
Std Dev 0.3151
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 121.1 / 35
p0 −266.8 ± 7.087
0
−50
−100
−150
−200
−250
−300
−350
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 22.66
Std Dev 8.881
2
1
0
−1
−2
−3
−4

pull1D
Entries 36
Mean 0.5686
Std Dev 1.744
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 4.846 / 35
p0 −0.484 ± 0.3222
pull
Entries 36
Mean −1258
Std Dev 1274

pull1D
Entries 36
Mean −0.0002848
Std Dev 0.3669

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 3.814 / 35
p0 −66.24 ± 4.777
−20
−40
−60
−80
−100
−120
−140
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 63.13
Std Dev 38.86
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 36
Mean −0.008211
Std Dev 0.3254
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 4.326 / 35
p0 −5.325 ± 1.883
20
10
0
−10
−20
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 34.31
Std Dev 13.91
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.0675
Std Dev 0.34
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.978 / 35
p0 −31.32 ± 4.768
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −81.13
Std Dev 98.88
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.003984
Std Dev 0.2876
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 5.632 / 35
p0 21.08 ± 2.396
pull
Entries 36
Mean 37.86
Std Dev 18.49

pull1D
Entries 36
Mean 0.08637
Std Dev 0.386

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 1.746 / 35
p0 −1.051 ± 0.1096
0
−0.5
−1
−1.5
−2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 266.4
Std Dev 248.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.004186
Std Dev 0.2202
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam4_diff_bpm4aX_slope vs run
χ^2 / ndf 1.42 / 35
p0 −90.84 ± 7.55
−20
−40
−60
−80
−100
−120
−140
−160
−180
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 31
Std Dev 24.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.008747
Std Dev 0.1984
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 37.5 / 35
p0 30.73 ± 2.994
120
100
80
60
40
20
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 19.5
Std Dev 10.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 36
Mean 0.3228
Std Dev 0.9683
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.398 / 35
p0 −34.06 ± 7.535
40
20
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −36.8
Std Dev 61.99
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.005967
Std Dev 0.197
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 37.55 / 35
p0 125.9 ± 3.809
pull
Entries 36
Mean 15.44
Std Dev 10.57

pull1D
Entries 36
Mean −0.2931
Std Dev 0.9784

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 3.559 / 35
p0 −2.495 ± 0.1731
pull
Entries 36
Mean −216.6
Std Dev 236.1

pull1D
Entries 36
Mean 0.003339
Std Dev 0.3144

reg_asym_sam5_diff_bpm4aX_slope vs run
χ² / ndf 4.43 / 35
p0 0.7198 ± 1.611
20
15
10
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 44.76
Std Dev 22.99
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean 0.009912
Std Dev 0.3506
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 116.4 / 35
p0 64.17 ± 0.6596
85
80
75
70
65
60
55
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 24.87
Std Dev 6.688
3
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean 0.4832
Std Dev 1.732
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 3.782 / 35
p0 −2.668 ± 1.608
15
10
5
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 42.8
Std Dev 18.27
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.009805
Std Dev 0.324
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 126.6 / 35
p0 3.532 ± 0.8376
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 24.1
Std Dev 5.719

pull1D
Entries 36
Mean −0.497
Std Dev 1.808

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 13.82 / 35
p0 0.3115 ± 0.03695
0.8
0.6
0.4
0.2
0
−0.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 238.9
Std Dev 223.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.01427
Std Dev 0.6193
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam6_diff_bpm4aX_slope vs run
χ2 / ndf 10.43 / 35
p0 18.08 ± 1.33
40
35
30
25
20
15
10
5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 115.1
Std Dev 97.54
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.02056
Std Dev 0.538
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 216.7 / 35
p0 46.59 ± 0.5375
70
65
60
55
50
45
40
35
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 25.66
Std Dev 5.989
6
4
2
0
−2
−4

pull1D
Entries 36
Mean 0.6681
Std Dev 2.361
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 10.53 / 35
p0 5.719 ± 1.327
25
20
15
10
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 176.3
Std Dev 158.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean −0.01432
Std Dev 0.5405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 246.5 / 35
p0 −5.489 ± 0.6828
10
0
−10
−20
−30
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 29.12
Std Dev 6.523
4
2
0
−2
−4
−6
pull1D
Entries 36
Mean −0.6712
Std Dev 2.529
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 35.88 / 35
p0 0.147 ± 0.0305
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 691.7
Std Dev 676.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.005971
Std Dev 0.9983
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam7_diff_bpm4aX_slope vs run
χ^2 / ndf 1.941 / 35
p0 9.738 ± 1.846
pull
Entries 36
Mean 6868
Std Dev 6850

pull1D
Entries 36
Mean 0.0002246
Std Dev 0.2322

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 10.66 / 35
p0 11.11 ± 0.727
pull
Entries 36
Mean 33.32
Std Dev 12.22

pull1D
Entries 36
Mean 0.141
Std Dev 0.5255

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 2.107 / 35
p0 −49.19 ± 1.843
−30
−35
−40
−45
−50
−55
−60
−65
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1.739e+04
Std Dev 1.737e+04
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean −9.653e−05
Std Dev 0.2419
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 16.57 / 35
p0 −18.48 ± 0.9249
−10
−15
−20
−25
−30
−35
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 36.94
Std Dev 17.33
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.1792
Std Dev 0.6544
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 11.81 / 35
p0 −0.2648 ± 0.04233
0.2
0
−0.2
−0.4
−0.6
−0.8
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 303.6
Std Dev 288.2
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.01114
Std Dev 0.5727
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 17.16 / 35
p0 2.48 ± 0.7564
15
10
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −320.3
Std Dev 339.2
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.006886
Std Dev 0.6903
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 330.9 / 35
p0 –41.72 ± 0.3077
pull
Entries 36
Mean 22.37
Std Dev 8.798

pull1D
Entries 36
Mean 0.8678
Std Dev 2.905

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 21.54 / 35
p0 −17.05 ± 0.755
0
−5
−10
−15
−20
−25
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 3842
Std Dev 3823
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.0009753
Std Dev 0.7735
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 336.6 / 35
p0 34.68 ± 0.3911
45
40
35
30
25
20
15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 21.08
Std Dev 8.135
8
6
4
2
0
−2
−4

pull1D
Entries 36
Mean −1.072
Std Dev 2.566
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 107.5 / 35
p0 −0.707 ± 0.01739
pull
Entries 36
Mean 231.9
Std Dev 216.4

pull1D
Entries 36
Mean 0.03837
Std Dev 1.728

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 3.905 / 35
p0 −136.3 ± 10.5
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 124.5
Std Dev 51.51
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean −0.001205
Std Dev 0.3293
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usl_diff_bpm4aY_slope vs run
χ2 / ndf 7.298 / 35
p0 9.431 ± 4.087
100
80
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 31.69
Std Dev 9.79
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.09821
Std Dev 0.4394
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usl_diff_bpm4eX_slope vs run
χ^2 / ndf 3.889 / 35
p0 105.2 ± 10.48
pull
Entries 36
Mean 141.2
Std Dev 72.45

pull1D
Entries 36
Mean 0.001095
Std Dev 0.3287

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 7.193 / 35
p0 38.91 ± 5.201
120
100
80
60
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 32.61
Std Dev 12.06
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 36
Mean −0.07659
Std Dev 0.4404
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 106.5 / 35
p0 −104.9 ± 0.2409
−100
−102
−104
−106
−108
−110
−112
−114
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 96.78
Std Dev 80.15

pull1D
Entries 36
Mean −0.04007
Std Dev 1.72

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 10.86 / 35
p0 −19.36 ± 5.845
60
40
20
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −127.7
Std Dev 146.4
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.007173
Std Dev 0.5491
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usr_diff_bpm4aY_slope vs run
χ2 / ndf 17.64 / 35
p0 1.517 ± 2.296
40
20
0
−20
−40
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 98.4
Std Dev 78.32
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.03281
Std Dev 0.6993
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usr_diff_bpm4eX_slope vs run
χ^2 / ndf 11 / 35
p0 106.5 ± 5.834
180
160
140
120
100
80
60
40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −130.2
Std Dev 149.1
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.007232
Std Dev 0.5527
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 15.99 / 35
p0 14.74 ± 2.921
100
80
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 202.6
Std Dev 182.8
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.01219
Std Dev 0.6663
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 74.58 / 35
p0 −40.34 ± 0.1341
−37
−38
−39
−40
−41
−42
−43
−44
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 106.9
Std Dev 95.86
3
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean −0.04487
Std Dev 1.439
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsl_diff_bpm4aX_slope vs run
χ² / ndf 34.36 / 35
p0 0.1822 ± 0.278
pull
Entries 36
Mean −40.55
Std Dev 49.49

pull1D
Entries 36
Mean 0.01878
Std Dev 0.9767

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 45.23 / 35
p0 0.1614 ± 0.1084
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −12.59
Std Dev 24.39

pull1D
Entries 36
Mean −0.08041
Std Dev 1.118

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 34.62 / 35
p0 −0.1877 ± 0.2775
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −47.12
Std Dev 56.6
pull1D
Entries 36
Mean −0.01781
Std Dev 0.9805

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 45 / 35
p0 −0.1722 ± 0.1379
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −5.296
Std Dev 15.04

pull1D
Entries 36
Mean 0.1042
Std Dev 1.113

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39.04 / 35
p0 −0.001535 ± 0.006358
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 32.15
Std Dev 25.56
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.02043
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm4aX_slope vs run
χ² / ndf 47 / 35
p0 0.06404 ± 0.3887
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −55.7
Std Dev 81.71
pull1D
Entries 36
Mean 0.01816
Std Dev 1.142

reg_asym_dsr_diff_bpm4aY_slope vs run
χ^2 / ndf 30.72 / 35
p0 −0.2453 ± 0.1513
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.37
Std Dev 10.48

pull1D
Entries 36
Mean −0.1203
Std Dev 0.9158

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 47.51 / 35
p0 −0.08883 ± 0.388
pull
Entries 36
Mean −66.92
Std Dev 92.27

pull1D
Entries 36
Mean −0.01675
Std Dev 1.149

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 34.88 / 35
p0 0.2693 ± 0.1925
8
6
4
2
0
−2
−4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 26.23
Std Dev 6.661
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.1193
Std Dev 0.9771
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_dsr_diff_bpm12X_slope vs run
χ^2 / ndf 37.89 / 35
p0 0.01159 ± 0.008891
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 317.2
Std Dev 302.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.01176
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 5.121 / 35
p0 −77.67 ± 6.852
0
−20
−40
−60
−80
−100
−120
−140
−160
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −1012
Std Dev 1038
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.0005318
Std Dev 0.3772
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.719 / 35
p0 5.44 ± 2.672
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 41.54
Std Dev 20.62
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.09108
Std Dev 0.454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ2 / ndf 5.176 / 35
p0 105.7 ± 6.839
180
160
140
120
100
80
60
40
20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −912.3
Std Dev 938.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.0006058
Std Dev 0.3792
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 6.62 / 35
p0 26.82 ± 3.401
80
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 46.23
Std Dev 26.04
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.06416
Std Dev 0.424
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 124.5 / 35
p0 −72.62 ± 0.1573
−68
−70
−72
−74
−76
−78
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 91.81
Std Dev 77.4

pull1D
Entries 36
Mean −0.05812
Std Dev 1.859

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ² / ndf 6.182 / 35
p0 −58.64 ± 5.02
0
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −187.7
Std Dev 194.6
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean −0.002263
Std Dev 0.4144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 13.64 / 35
p0 4.08 ± 1.958
60
40
20
0
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 17.38
Std Dev 5.444
2
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.07748
Std Dev 0.6106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 6.14 / 35
p0 −0.4426 ± 5.011
60
40
20
0
−20
−40
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −202.9
Std Dev 209.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 36
Mean 0.002137
Std Dev 0.413
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.32 / 35
p0 12.03 ± 2.491
pull
Entries 36
Mean 17.17
Std Dev 0.8799

pull1D
Entries 36
Mean −0.07096
Std Dev 0.6267

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 52.55 / 35
p0 −32.32 ± 0.115
−30
−31
−32
−33
−34
−35
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −37.6
Std Dev 69.81

pull1D
Entries 36
Mean 0.01265
Std Dev 1.208

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 44.45 / 35
p0 0.1201 ± 0.2389
pull
Entries 36
Mean −46.96
Std Dev 67.09

pull1D
Entries 36
Mean 0.02673
Std Dev 1.111

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.07 / 35
p0 −0.03927 ± 0.09313
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 11.9
Std Dev 12.88

pull1D
Entries 36
Mean −0.1464
Std Dev 1.004

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 44.63 / 35
p0 −0.1352 ± 0.2385
4
2
0
−2
−4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −55.41
Std Dev 75.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.02506
Std Dev 1.113
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 41.48 / 35
p0 0.04525 ± 0.1184
pull
Entries 36
Mean 14.23
Std Dev 13.26

pull1D
Entries 36
Mean 0.1594
Std Dev 1.062

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ^2 / ndf 32.14 / 35
p0 0.00507 ± 0.005466
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 164.6
Std Dev 148.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.02066
Std Dev 0.9447
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ² / ndf 41.19 / 35
p0 0.06084 ± 0.239
pull
Entries 36
Mean −77.44
Std Dev 124.7
pull1D
Entries 36
Mean −0.004519
Std Dev 1.07

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.25 / 35
p0 0.2015 ± 0.09305
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 54.93
Std Dev 37.57

pull1D
Entries 36
Mean 0.05239
Std Dev 0.9741

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.85 / 35
p0 −0.0511± 0.2385
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −100.7
Std Dev 146.2
pull1D
Entries 36
Mean 0.003915
Std Dev 1.078

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 35.2 / 35
p0 −0.219 ± 0.1183
pull
Entries 36
Mean 76.72
Std Dev 60.63

pull1D
Entries 36
Mean −0.03726
Std Dev 0.9881

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ^2 / ndf 44.8 / 35
p0 −0.006451 ± 0.005466
0.1
0.05
0
−0.05
−0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −4477
Std Dev 4489
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.000597
Std Dev 1.116
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.74 / 35
p0 −68.05 ± 5.253
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 251.4
Std Dev 199.3
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.0006743
Std Dev 0.3223
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.279 / 35
p0 4.797 ± 2.045
50
40
30
20
10
0
−10
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 32.69
Std Dev 11.4
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.09591
Std Dev 0.4393
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.724 / 35
p0 52.52 ± 5.243
100
80
60
40
20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 294.9
Std Dev 243.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.0005978
Std Dev 0.3216
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.117 / 35
p0 19.37 ± 2.602
pull
Entries 36
Mean 34.07
Std Dev 14.15

pull1D
Entries 36
Mean −0.07357
Std Dev 0.4385

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 106.1 / 35
p0 −52.46 ± 0.1205
−50
−51
−52
−53
−54
−55
−56
−57
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 97.6
Std Dev 81.06

pull1D
Entries 36
Mean −0.03948
Std Dev 1.716

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 4.11 / 35
p0 −68.23 ± 5.251
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 75.22
Std Dev 55.26
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.001733
Std Dev 0.3379
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.371 / 35
p0 4.634 ± 2.044
50
40
30
20
10
0
−10
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 30.74
Std Dev 8.068
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.1004
Std Dev 0.4412
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ2 / ndf 4.094 / 35
p0 52.71 ± 5.242
100
80
60
40
20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 83.49
Std Dev 53.43
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.001591
Std Dev 0.3372
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.322 / 35
p0 19.54 ± 2.601
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 31.26
Std Dev 9.931
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 36
Mean −0.07955
Std Dev 0.4439
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 106.9 / 35
p0 −52.46 ± 0.1205
−50
−51
−52
−53
−54
−55
−56
−57
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 96.07
Std Dev 79.37

pull1D
Entries 36
Mean −0.04057
Std Dev 1.722

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.68 / 35
p0 −9.637 ± 2.928
30
20
10
0
−10
−20
−30
−40
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −121.9
Std Dev 141.2
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.008038
Std Dev 0.5445
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.12 / 35
p0 0.6427 ± 1.15
20
10
0
−10
−20
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 124
Std Dev 104.1
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.02439
Std Dev 0.6892
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.84 / 35
p0 53.19 ± 2.922
90
80
70
60
50
40
30
20
10
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −125.9
Std Dev 145.4
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.008031
Std Dev 0.5486
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.55 / 35
p0 7.497 ± 1.463
50
40
30
20
10
0
−10
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 573.6
Std Dev 553.9
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean −0.003916
Std Dev 0.6572
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 72.9 / 35
p0 −20.16 ± 0.06715
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 101.7
Std Dev 90.87

pull1D
Entries 36
Mean −0.0448
Std Dev 1.422

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 11.36 / 35
p0 −9.722 ± 2.93
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −137
Std Dev 154.9
pull1D
Entries 36
Mean 0.006205
Std Dev 0.5617

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ2 / ndf 18.26 / 35
p0 0.874 ± 1.151
20
10
0
−10
−20
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 83.21
Std Dev 62.96
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.04107
Std Dev 0.7109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.49 / 35
p0 53.3 ± 2.925
90
80
70
60
50
40
30
20
10
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −137.3
Std Dev 155.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.006328
Std Dev 0.5649
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.57 / 35
p0 7.244 ± 1.464
40
30
20
10
0
−10
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 131.4
Std Dev 111.4
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.0204
Std Dev 0.6781
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 75.93 / 35
p0 −20.18 ± 0.06721
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
−22
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 112.2
Std Dev 101

pull1D
Entries 36
Mean −0.04464
Std Dev 1.452

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.79 / 35
p0 −2.601 ± 0.3831
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 449.2
Std Dev 429.6
pull1D
Entries 36
Mean 0.0105
Std Dev 0.6829

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 255.8 / 35
p0 −16.24 ± 0.1949
pull
Entries 36
Mean 25.61
Std Dev 10.57

pull1D
Entries 36
Mean 0.6871
Std Dev 2.575

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 169 / 35
p0 0.463 ± 0.008805
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −1303
Std Dev 1319
2
0
−2
−4
−6

pull1D
Entries 36
Mean −0.014
Std Dev 2.167
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.738 / 35
p0 −5.217 ± 1.797
15
10
5
0
−5
−10
−15
−20
−25
−30
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 113.2
Std Dev 92.74
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.01265
Std Dev 0.3626
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 158.9 / 35
p0 −61.68 ± 0.7359
−50
−55
−60
−65
−70
−75
−80
−85
−90
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 24.31
Std Dev 7.538

pull1D
Entries 36
Mean −0.573
Std Dev 2.021

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.154 / 35
p0 0.03067 ± 1.794
20
15
10
5
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 111.7
Std Dev 91.27
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.01259
Std Dev 0.3394
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 166.9 / 35
p0 −19.59 ± 0.9346
10
0
−10
−20
−30
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 24.64
Std Dev 7.103
4
3
2
1
0
−1
−2
−3
−4

pull1D
Entries 36
Mean 0.5761
Std Dev 2.075
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.21 / 35
p0 0.1518 ± 0.04122
0.6
0.4
0.2
0
−0.2
−0.4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −52.74
Std Dev 70.19
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 36
Mean −0.01585
Std Dev 0.5324
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.104 / 35
p0 −28.33 ± 3.301
0
−10
−20
−30
−40
−50
−60
−70
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −23.15
Std Dev 29.22
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 36
Mean −0.003871
Std Dev 0.2417
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.802 / 35
p0 2.885 ± 1.301
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 41.31
Std Dev 22.71
pull1D
Entries 36
Mean −0.008531
Std Dev 0.2236

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.015 / 35
p0 1.342 ± 1.656
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 48.55
Std Dev 29.94

pull1D
Entries 36
Mean 0.009823
Std Dev 0.2364

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.182 / 35
p0 −0.6611± 0.07575
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 54.76
Std Dev 48.44
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5

pull1D
Entries 36
Mean 0.003669
Std Dev 0.1812
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ2 / ndf 10.73 / 35
p0 −37.81 ± 1.488
−20
−30
−40
−50
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 83.58
Std Dev 63.26
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.02343
Std Dev 0.5454
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.52 / 35
p0 −8.197 ± 0.587
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 33.34
Std Dev 12.67
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.2001
Std Dev 0.7467
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 7.838 / 35
p0 8.808 ± 1.485
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 48.39
Std Dev 29.78

pull1D
Entries 36
Mean 0.01347
Std Dev 0.4664

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.05 / 35
p0 19.68 ± 0.747
40
35
30
25
20
15
10
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 36.34
Std Dev 16.86
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.2625
Std Dev 0.9063
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 12.27 / 35
p0 −0.3863 ± 0.03415
0
−0.2
−0.4
−0.6
−0.8
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 131.7
Std Dev 115.2
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean −0.03193
Std Dev 0.583
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.556 / 35
p0 −66.12 ± 6.433
0
−20
−40
−60
−80
−100
−120
−140
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 272.3
Std Dev 252.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.004109
Std Dev 0.3557
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 108.4 / 35
p0 9.013 ± 2.55
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 22.14
Std Dev 9.308
pull1D
Entries 36
Mean −0.5543
Std Dev 1.644

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 3.724 / 35
p0 −74.67 ± 6.421
0
−20
−40
−60
−80
−100
−120
−140
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 293.1
Std Dev 274.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean 0.003688
Std Dev 0.3216
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 110 / 35
p0 −135.9 ± 3.244
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 21.82
Std Dev 9.399
pull1D
Entries 36
Mean 0.5427
Std Dev 1.661

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.415 / 35
p0 −0.1678 ± 0.1476
pull
Entries 36
Mean 4944
Std Dev 4928
pull1D
Entries 36
Mean 0.0001615
Std Dev 0.3502

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ² / ndf 4.165 / 35
p0 −84.45 ± 7.62
0
−20
−40
−60
−80
−100
−120
−140
−160
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 293.5
Std Dev 274.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.004427
Std Dev 0.3401
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 126 / 35
p0 −37.46 ± 3.028
20
0
−20
−40
−60
−80
−100
−120
−140
−160
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 22.86
Std Dev 8.878
4
3
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean −0.5879
Std Dev 1.776
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.578 / 35
p0 −80.28 ± 7.606
0
−20
−40
−60
−80
−100
−120
−140
−160
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 295
Std Dev 276.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.0045
Std Dev 0.3152
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 131 / 35
p0 −130.9 ± 3.851
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.3
Std Dev 8.399

pull1D
Entries 36
Mean 0.5881
Std Dev 1.814

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 5.626 / 35
p0 −0.3162 ± 0.1749
pull
Entries 36
Mean 25.66
Std Dev 24.57
pull1D
Entries 36
Mean −0.0006665
Std Dev 0.3953

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.097 / 35
p0 −44.2 ± 4.021
−10
−20
−30
−40
−50
−60
−70
−80
−90
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 3.993
Std Dev 25.31
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.00857
Std Dev 0.2412
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.24 / 35
p0 −5.724 ± 1.592
pull
Entries 36
Mean 20.06
Std Dev 10.46
pull1D
Entries 36
Mean 0.3958
Std Dev 1.174

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.257 / 35
p0 −25.52 ± 4.013
20
0
−20
−40
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −124.5
Std Dev 146.6
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.004727
Std Dev 0.2504
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.36 / 35
p0 80.53 ± 2.025
110
100
90
80
70
60
50
40
30
20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 16.65
Std Dev 10.46
3
2
1
0
−1

pull1D
Entries 36
Mean −0.3602
Std Dev 1.187
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 7.135 / 35
p0 −1.61 ± 0.0922
−0.5
−1
−1.5
−2
−2.5
−3
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 27.64
Std Dev 21.81
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean 0.01666
Std Dev 0.4449
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.9189 / 35
p0 −46.67 ± 3.552
−20
−30
−40
−50
−60
−70
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 63.16
Std Dev 49.76
0.4
0.2
0
−0.2
−0.4

pull1D
Entries 36
Mean −0.008285
Std Dev 0.1595
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.43 / 35
p0 36.45 ± 1.412
70
60
50
40
30
20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 18.46
Std Dev 11.05
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.2389
Std Dev 0.7335
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7876 / 35
p0 −8.509 ± 3.545
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 27.85
Std Dev 27.89
pull1D
Entries 36
Mean 0.006483
Std Dev 0.1478

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.72 / 35
p0 45.4 ± 1.796
pull
Entries 36
Mean 13.13
Std Dev 10.39

pull1D
Entries 36
Mean −0.2152
Std Dev 0.7463

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.433 / 35
p0 −0.8867 ± 0.08143
pull
Entries 36
Mean 216.8
Std Dev 199.4
pull1D
Entries 36
Mean −0.009224
Std Dev 0.2598

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.39 / 35
p0 −21.62 ± 1.011
−10
−15
−20
−25
−30
−35
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 129
Std Dev 108.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.01914
Std Dev 0.6745
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 209.2 / 35
p0 −35 ± 0.4119
−25
−30
−35
−40
−45
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 26.4
Std Dev 5.009
pull1D
Entries 36
Mean −0.6555
Std Dev 2.32

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.11 / 35
p0 4.468 ± 1.009
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 94.88
Std Dev 74.57
pull1D
Entries 36
Mean 0.01655
Std Dev 0.5798

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 234.3 / 35
p0 0.2554 ± 0.5233
pull
Entries 36
Mean 28.05
Std Dev 3.605

pull1D
Entries 36
Mean 0.6815
Std Dev 2.458

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 20.51 / 35
p0 −0.1219 ± 0.02323
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 97.28
Std Dev 81.53
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.0187
Std Dev 0.7546
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.621 / 35
p0 11.88 ± 1.534
pull
Entries 36
Mean −171.4
Std Dev 188.6

pull1D
Entries 36
Mean 0.003778
Std Dev 0.2698

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.205 / 35
p0 −0.05253 ± 0.605
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 19.8
Std Dev 10.95

pull1D
Entries 36
Mean −0.09213
Std Dev 0.3689

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.541 / 35
p0 18.81 ± 1.532
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −2378
Std Dev 2396

pull1D
Entries 36
Mean −0.0005664
Std Dev 0.2657

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.832 / 35
p0 −8.831 ± 0.7699
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 22.05
Std Dev 13
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 36
Mean 0.07914
Std Dev 0.3577
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.584 / 35
p0 0.5554 ± 0.0352
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 223.1
Std Dev 206
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.01128
Std Dev 0.3153
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 2.624 / 35
p0 −65.62 ± 5.06
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 223.8
Std Dev 205.6
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean −0.005027
Std Dev 0.2699
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.57 / 35
p0 −0.2516 ± 1.996
20
10
0
−10
−20
−30
−40
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.71
Std Dev 8.084
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.3663
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.18 / 35
p0 −44.38 ± 5.05
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 203
Std Dev 185.3
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.005132
Std Dev 0.246
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.18 / 35
p0 −43.05 ± 2.539
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 25.21
Std Dev 6.376
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 36
Mean 0.3737
Std Dev 1.12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 2.601 / 35
p0 −0.6069 ± 0.1161
0.5
0
−0.5
−1
−1.5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −1142
Std Dev 1159
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.0005501
Std Dev 0.2688
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.504 / 35
p0 −10.69 ± 2.185
10
0
−10
−20
−30
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 185.9
Std Dev 164.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 36
Mean −0.01022
Std Dev 0.5137
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 485.4 / 35
p0 6.118 ± 0.8873
pull
Entries 36
Mean 21.85
Std Dev 9.349
pull1D
Entries 36
Mean −1.331
Std Dev 3.167

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.704 / 35
p0 −24.73 ± 2.181
0
−10
−20
−30
−40
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 278.3
Std Dev 258.1
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.008269
Std Dev 0.4916
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 485 / 35
p0 −106.9 ± 1.128
−40
−60
−80
−100
−120
−140
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 20.64
Std Dev 9.568

pull1D
Entries 36
Mean 1.291
Std Dev 3.213

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.73 / 35
p0 0.7184 ± 0.05017
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −118
Std Dev 135.1
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.009292
Std Dev 0.7403
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 2.087 / 35
p0 −16.45 ± 1.78
0
−5
−10
−15
−20
−25
−30
−35
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 101.5
Std Dev 75.41
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.003871
Std Dev 0.2407
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.078 / 35
p0 2.837 ± 0.7015
10
5
0
−5
−10
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.32
Std Dev 8.862
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean −0.09608
Std Dev 0.3631
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.685 / 35
p0 −21.39 ± 1.777
0
−5
−10
−15
−20
−25
−30
−35
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −87.09
Std Dev 101.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean 0.002185
Std Dev 0.2163
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 5.709 / 35
p0 −7.5 ± 0.8926
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 27.48
Std Dev 7.936
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean 0.08774
Std Dev 0.3885
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 4.063 / 35
p0 −0.1039 ± 0.04085
0.2
0
−0.2
−0.4
−0.6
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 198.7
Std Dev 183.1
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 36
Mean 0.01224
Std Dev 0.3357
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.653 / 35
p0 −55.17 ± 4.901
0
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 125.8
Std Dev 107.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.005768
Std Dev 0.2714
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.62 / 35
p0 1.756 ± 1.931
20
10
0
−10
−20
−30
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.52
Std Dev 7.957
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.2013
Std Dev 0.6047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.17 / 35
p0 −50.15 ± 4.891
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 92.17
Std Dev 75.49
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.005102
Std Dev 0.2455
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.07 / 35
p0 −27.7 ± 2.457
20
10
0
−10
−20
−30
−40
−50
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 25.25
Std Dev 6.667
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.2047
Std Dev 0.6361
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 1.762 / 35
p0 −0.8876 ± 0.1124
0
−0.5
−1
−1.5
−2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 120.8
Std Dev 107.2
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.005415
Std Dev 0.2212
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.29 / 35
p0 19.36 ± 1.564
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 135.8
Std Dev 118.9
pull1D
Entries 36
Mean 0.006682
Std Dev 0.3022

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.7 / 35
p0 0.5447 ± 0.6165
15
10
5
0
−5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.6
Std Dev 7.748
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.2602
Std Dev 0.7686
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.67 / 35
p0 10.09 ± 0.7844
20
15
10
5
0
−5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 24.86
Std Dev 6.325
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.2701
Std Dev 0.8172
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.994 / 35
p0 0.3924 ± 0.03587
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −115.5
Std Dev 135.8
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean −0.002913
Std Dev 0.2353
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 2.433 / 35
p0 −35.81 ± 3.339
0
−10
−20
−30
−40
−50
−60
−70
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 120.4
Std Dev 100.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.005298
Std Dev 0.2599
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.28 / 35
p0 2.298 ± 1.316
15
10
5
0
−5
−10
−15
−20
−25
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 23.48
Std Dev 8.098
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean −0.1735
Std Dev 0.5321
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.966 / 35
p0 −35.78 ± 3.332
10
0
−10
−20
−30
−40
−50
−60
−70
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 66.68
Std Dev 49.38
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.004446
Std Dev 0.2336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ^2 / ndf 2.04 / 35
p0 −0.4955 ± 0.0766
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 161.9
Std Dev 147.2

pull1D
Entries 36
Mean 0.006942
Std Dev 0.2379
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 10.32 / 35
p0 −212.6 ± 22.42
100
0
−100
−200
−300
−400
−500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 144.5
Std Dev 124.8
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.01082
Std Dev 0.5354
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 6.846 / 35
p0 29.05 ± 8.75
200
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 133.6
Std Dev 115.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.01241
Std Dev 0.4359
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4eX_slope vs run
χ2 / ndf 10.32 / 35
p0 345.1 ± 22.37
600
500
400
300
200
100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 138.2
Std Dev 117.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

pull1D
Entries 36
Mean 0.01082
Std Dev 0.5352
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 6.615 / 35
p0 18.81 ± 11.13
200
150
100
50
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −246.5
Std Dev 263.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.004784
Std Dev 0.4286
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 161.2 / 35
p0 −220.3 ± 0.5147
−205
−210
−215
−220
−225
−230
−235
−240
−245
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 41.37
Std Dev 9.619
pull1D
Entries 36
Mean −0.05557
Std Dev 2.115

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 1.9 / 35
p0 −353.3 ± 25.69
−100
−200
−300
−400
−500
−600
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 2544
Std Dev 2526
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean −0.0001865
Std Dev 0.2297
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 3.634 / 35
p0 11.65 ± 10.02
250
200
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 27.49
Std Dev 5.717
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.07162
Std Dev 0.3095
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 1.912 / 35
p0 324.7 ± 25.64
600
500
400
300
200
100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −3.487e+04
Std Dev 3.489e+04
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean −1.221e−05
Std Dev 0.2305
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 3.159 / 35
p0 128.9 ± 12.75
300
250
200
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 27.72
Std Dev 6.486
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean −0.04859
Std Dev 0.2922
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 141.7 / 35
p0 −268.1 ± 0.5894
−255
−260
−265
−270
−275
−280
−285
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 90.47
Std Dev 77.91

pull1D
Entries 36
Mean −0.05332
Std Dev 1.983

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 36.52 / 35
p0 −19.86 ± 8.334
300
200
100
0
−100
−200
−300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 203.3
Std Dev 182.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 36
Mean 0.009976
Std Dev 1.007
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 40.81 / 35
p0 7.254 ± 3.206
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1.568
Std Dev 10.36
pull1D
Entries 36
Mean −0.08769
Std Dev 1.061

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 35.77 / 35
p0 −25.7 ± 8.319
200
100
0
−100
−200
−300
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 229.8
Std Dev 208.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.008801
Std Dev 0.9968
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 40.55 / 35
p0 −27.12 ± 4.078
100
50
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 5.042
Std Dev 2.922
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean 0.0924
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 54.49 / 35
p0 −3.346 ± 0.1904
pull
Entries 36
Mean 203.5
Std Dev 189.8

pull1D
Entries 36
Mean −0.02411
Std Dev 1.23

reg_asym_atr2_diff_bpm4aX_slope vs run
χ^2 / ndf 3.256 / 35
p0 −216 ± 18.88
0
−50
−100
−150
−200
−250
−300
−350
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −97.58
Std Dev 116.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.005841
Std Dev 0.3007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 3.836 / 35
p0 3.632 ± 7.389
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 80.66
Std Dev 61.41
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.02534
Std Dev 0.3254
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 3.233 / 35
p0 354.9 ± 18.85
550
500
450
400
350
300
250
200
150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −90.26
Std Dev 109.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.006173
Std Dev 0.2996
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 3.738 / 35
p0 102.1 ± 9.4
250
200
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −796.3
Std Dev 815.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.001596
Std Dev 0.3222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 154.3 / 35
p0 −199.8 ± 0.4334
−190
−195
−200
−205
−210
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 95.23
Std Dev 82.92

pull1D
Entries 36
Mean −0.07797
Std Dev 2.069

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.371 / 35
p0 −282.9 ± 22.64
−100
−200
−300
−400
−500
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 178.8
Std Dev 159.7
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean −0.005894
Std Dev 0.3059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.329 / 35
p0 20.3 ± 8.829
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 41.1
Std Dev 21.63
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 36
Mean 0.04752
Std Dev 0.3003
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.379 / 35
p0 334.8 ± 22.6
600
500
400
300
200
100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 174.5
Std Dev 154.9
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.005674
Std Dev 0.3063
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.022 / 35
p0 73.89 ± 11.24
250
200
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 52.83
Std Dev 34.72
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.02584
Std Dev 0.2886
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ^2 / ndf 132.4 / 35
p0 −244.3 ± 0.5199
−230
−235
−240
−245
−250
−255
−260
−265
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 70.99
Std Dev 55.2
3
2
1
0
−1
−2
−3
−4
−5

pull1D
Entries 36
Mean −0.05446
Std Dev 1.917
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ2 / ndf 21.97 / 35
p0 68.78 ± 8.26
200
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −2452
Std Dev 2473
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.0004258
Std Dev 0.7813
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18 / 35
p0 8.616 ± 3.229
80
60
40
20
0
−20
−40
−60
−80
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 6.535
Std Dev 9.236
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.08971
Std Dev 0.7014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ2 / ndf 21.9 / 35
p0 11.83 ± 8.245
150
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −927.8
Std Dev 949.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.001093
Std Dev 0.7799
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.44 / 35
p0 −54.86 ± 4.107
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 3.437
Std Dev 10.83
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean 0.07696
Std Dev 0.6917
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 297.7 / 35
p0 23.79 ± 0.1891
32
30
28
26
24
22
20
18
16
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 92.83
Std Dev 87.28
6
4
2
0
−2
−4

pull1D
Entries 36
Mean 0.04856
Std Dev 2.875
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.828 / 35
p0 −116.7 ± 10.41
50
0
−50
−100
−150
−200
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 12.78
Std Dev 25.77
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 36
Mean 0.004366
Std Dev 0.4663
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.85 / 35
p0 5.428 ± 4.023
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −260.4
Std Dev 278.1
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.007167
Std Dev 0.5736
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.772 / 35
p0 163.4 ± 10.39
300
250
200
150
100
50
0
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 15.47
Std Dev 25.4
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.00428
Std Dev 0.4646
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 11.74 / 35
p0 37.38 ± 5.119
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −28.36
Std Dev 45.53
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.03482
Std Dev 0.57
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 140 / 35
p0 −101.6 ± 0.2385
−94
−96
−98
−100
−102
−104
−106
−108
−110
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 102.7
Std Dev 90.38

pull1D
Entries 36
Mean −0.07708
Std Dev 1.971

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 9.579 / 35
p0 98.65 ± 10.55
300
250
200
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −499.3
Std Dev 519.7
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.00241
Std Dev 0.5158
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.462 / 35
p0 1.848 ± 4.088
100
80
60
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 34.58
Std Dev 10.79
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.05512
Std Dev 0.4519
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.357 / 35
p0 −190.9 ± 10.53
−50
−100
−150
−200
−250
−300
−350
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −374.1
Std Dev 394.6
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.003177
Std Dev 0.5098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.349 / 35
p0 −64.66 ± 5.201
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 40.49
Std Dev 16.35
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 36
Mean 0.03317
Std Dev 0.4506
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 120.6 / 35
p0 98.26 ± 0.2418
108
106
104
102
100
98
96
94
92
90
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 79.05
Std Dev 67.75
4
3
2
1
0
−1
−2
−3

pull1D
Entries 36
Mean 0.05685
Std Dev 1.829
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ2 / ndf 13.13 / 35
p0 −117.1± 12.09
100
0
−100
−200
−300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −3402
Std Dev 3420
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.0001952
Std Dev 0.604
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ2 / ndf 8.181 / 35
p0 18.36 ± 4.668
pull
Entries 36
Mean −102.5
Std Dev 119.5

pull1D
Entries 36
Mean −0.01535
Std Dev 0.4765

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.06 / 35
p0 160.6 ± 12.06
300
200
100
0
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 3838
Std Dev 3819
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.000158
Std Dev 0.6024
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ2 / ndf 7.684 / 35
p0 −4.567 ± 5.94
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −29.01
Std Dev 44.59
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 36
Mean 0.03352
Std Dev 0.4608
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 166.6 / 35
p0 −111.9 ± 0.2771
−105
−110
−115
−120
−125
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 75.48
Std Dev 55.37
2
0
−2
−4
−6

pull1D
Entries 36
Mean −0.03855
Std Dev 2.151
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.98 / 35
p0 −99.12 ± 12.19
50
0
−50
−100
−150
−200
−250
−300
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 996.6
Std Dev 976.4
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean −0.001742
Std Dev 0.6005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ2 / ndf 13.4 / 35
p0 10.97 ± 4.714
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 41.11
Std Dev 19.76
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.03912
Std Dev 0.6089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ2 / ndf 12.91 / 35
p0 188.1 ± 12.17
350
300
250
200
150
100
50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1251
Std Dev 1230
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.001339
Std Dev 0.5988
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.36 / 35
p0 22.86 ± 5.998
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 49.69
Std Dev 30.4
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.02553
Std Dev 0.6088
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 124.9 / 35
p0 −108.6 ± 0.2795
−100
−105
−110
−115
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 2.741
Std Dev 43.27
pull1D
Entries 36
Mean −0.0147
Std Dev 1.863

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.561 / 35
p0 −284.6 ± 21.43
−100
−150
−200
−250
−300
−350
−400
−450
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −218.3
Std Dev 236.6
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

pull1D
Entries 36
Mean 0.002446
Std Dev 0.2082
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.542 / 35
p0 7.593 ± 8.366
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 38.28
Std Dev 18.26
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean 0.05455
Std Dev 0.2601
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.55 / 35
p0 339.8 ± 21.39
500
450
400
350
300
250
200
150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −184.6
Std Dev 202.9
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

pull1D
Entries 36
Mean −0.002705
Std Dev 0.2075
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.168 / 35
p0 115.5 ± 10.64
250
200
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 47.96
Std Dev 28.3
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean −0.02852
Std Dev 0.2437
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 156.6 / 35
p0 −234 ± 0.4918
−220
−225
−230
−235
−240
−245
−250
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 89.5
Std Dev 76.99
pull1D
Entries 36
Mean −0.07025
Std Dev 2.084

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.04 / 35
p0 69.02 ± 6.985
pull
Entries 36
Mean −14.39
Std Dev 43.4

pull1D
Entries 36
Mean 0.003425
Std Dev 0.5281

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.31 / 35
p0 −4.217 ± 2.727
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 7.916
Std Dev 9.202
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.08836
Std Dev 0.6243
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 10.15 / 35
p0 14.75 ± 6.972
120
100
80
60
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −33.76
Std Dev 60
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.003577
Std Dev 0.5311
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.38 / 35
p0 −13.3 ± 3.469
80
60
40
20
0
−20
−40
−60
−80
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 8.202
Std Dev 9.63
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.08689
Std Dev 0.6261
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 51.24 / 35
p0 34.18 ± 0.16
37
36
35
34
33
32
31
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 61.88
Std Dev 48.9
3
2
1
0
−1
−2

pull1D
Entries 36
Mean −0.02889
Std Dev 1.193
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.721 / 35
p0 −214.2 ± 19.73
0
−100
−200
−300
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 296
Std Dev 276.5
pull1D
Entries 36
Mean −0.003985
Std Dev 0.3621

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.365 / 35
p0 16.38 ± 7.711
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 100.8
Std Dev 81.86
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean 0.01897
Std Dev 0.2556
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.734 / 35
p0 349.9 ± 19.69
600
500
400
300
200
100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 303.4
Std Dev 283.4
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

pull1D
Entries 36
Mean 0.003732
Std Dev 0.3626
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.291 / 35
p0 60.38 ± 9.812
200
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −328.6
Std Dev 346.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 36
Mean 0.003855
Std Dev 0.2523
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 129.4 / 35
p0 −210.1 ± 0.4531
−200
−205
−210
−215
−220
−225
−230
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 77.5
Std Dev 62.27

pull1D
Entries 36
Mean −0.06114
Std Dev 1.895

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 32.49 / 35
p0 −0.005165 ± 6.329
150
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 226
Std Dev 206
2
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.006013
Std Dev 0.95
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.37 / 35
p0 12.87 ± 2.467
pull
Entries 36
Mean 3.018
Std Dev 8.238

pull1D
Entries 36
Mean −0.02344
Std Dev 1.005

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.22 / 35
p0 −3.19 ± 6.317
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 217.7
Std Dev 196.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.005735
Std Dev 0.946
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.54 / 35
p0 −41.65 ± 3.138
pull
Entries 36
Mean −34.24
Std Dev 42.09

pull1D
Entries 36
Mean 0.009522
Std Dev 0.9936

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 458.9 / 35
p0 −10.31 ± 0.1449
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 138.3
Std Dev 131.7

pull1D
Entries 36
Mean 0.05099
Std Dev 3.57

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.039 / 35
p0 −185.3 ± 13.99
0
−50
−100
−150
−200
−250
−300
−350
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 57.11
Std Dev 95.02
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean −0.0004809
Std Dev 0.3741
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.811 / 35
p0 9.51 ± 5.406
120
100
80
60
40
20
0
−20
−40
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 40.75
Std Dev 22.64
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.04456
Std Dev 0.3628
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 5.03 / 35
p0 148.3 ± 13.97
300
250
200
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −22.43
Std Dev 84.76
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.0006578
Std Dev 0.3738
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.525 / 35
p0 50.75 ± 6.879
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 52.63
Std Dev 35.52
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean −0.02131
Std Dev 0.3539
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 121 / 35
p0 −135.7 ± 0.3206
−128
−130
−132
−134
−136
−138
−140
−142
−144
−146
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 98.23
Std Dev 85.7

pull1D
Entries 36
Mean −0.0533
Std Dev 1.833

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ² / ndf 5.481 / 35
p0 167.3 ± 13.38
400
350
300
250
200
150
100
50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 298.8
Std Dev 278.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 36
Mean 0.003262
Std Dev 0.3902
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.45 / 35
p0 −2.211 ± 5.172
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 20.3
Std Dev 8.933
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.09364
Std Dev 0.5037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.365 / 35
p0 −175.7 ± 13.36
0
−50
−100
−150
−200
−250
−300
−350
−400
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 328.3
Std Dev 308.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 36
Mean −0.002825
Std Dev 0.386
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.822 / 35
p0 −78.06 ± 6.58
50
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 19.27
Std Dev 9.455
1
0.5
0
−0.5
−1
pull1D
Entries 36
Mean 0.07331
Std Dev 0.4896
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 133.9 / 35
p0 132.4 ± 0.3066
145
140
135
130
125
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 73.67
Std Dev 62.04

pull1D
Entries 36
Mean 0.04069
Std Dev 1.928

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.58 / 35
p0 5.366 ± 2.757
pull
Entries 36
Mean 18.73
Std Dev 9.773

pull1D
Entries 36
Mean −0.09525
Std Dev 0.5834

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.36 / 35
p0 −88.99 ± 7.102
0
−50
−100
−150
−200
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 116.1
Std Dev 96.65
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean −0.003245
Std Dev 0.5617
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_bpm4eY_slope vs run
χ² / ndf 11.53 / 35
p0 −59.95 ± 3.507
40
20
0
−20
−40
−60
−80
−100
−120
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 16.62
Std Dev 12.07
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.07053
Std Dev 0.5614
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 265.7 / 35
p0 60.94 ± 0.1628
70
68
66
64
62
60
58
56
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 63.5
Std Dev 53.8
4
2
0
−2
−4

pull1D
Entries 36
Mean 0.1065
Std Dev 2.715
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 16.98 / 35
p0 −15.48 ± 6.321
100
50
0
−50
−100
−150
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −281.8
Std Dev 302.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.005668
Std Dev 0.6867
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.97 / 35
p0 101.9 ± 6.309
pull
Entries 36
Mean −243.3
Std Dev 264.2
pull1D
Entries 36
Mean −0.006467
Std Dev 0.6865

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.46 / 35
p0 4.709 ± 3.124
80
60
40
20
0
−20
−40
−60
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −30
Std Dev 48.56
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

pull1D
Entries 36
Mean 0.02736
Std Dev 0.5384
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 3.018 / 35
p0 −199.7 ± 15.93
−50
−100
−150
−200
−250
−300
−350
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 288.1
Std Dev 269.8
0.6
0.4
0.2
0
−0.2
−0.4

pull1D
Entries 36
Mean −0.002637
Std Dev 0.2895
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.122 / 35
p0 12.99 ± 6.196
pull
Entries 36
Mean 63.1
Std Dev 44.48

pull1D
Entries 36
Mean 0.03149
Std Dev 0.2408

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.025 / 35
p0 249.1 ± 15.9
400
350
300
250
200
150
100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 289.1
Std Dev 270.5
0.4
0.2
0
−0.2
−0.4
−0.6

pull1D
Entries 36
Mean 0.002458
Std Dev 0.2899
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.855 / 35
p0 55.45 ± 7.884
150
100
50
0
−50
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 187.4
Std Dev 169.8
0.4
0.2
0
−0.2
−0.4

pull1D
Entries 36
Mean −0.006802
Std Dev 0.2269
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aX_slope vs run
χ² / ndf 9.141 / 35
p0 −83.79 ± 7.696
pull
Entries 36
Mean 246.2
Std Dev 226.3

pull1D
Entries 36
Mean −0.005713
Std Dev 0.5039

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.26 / 35
p0 7.472 ± 2.973
100
80
60
40
20
0
−20
−40
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 21.93
Std Dev 7.541
2
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 36
Mean 0.07522
Std Dev 0.6678
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ2 / ndf 9.101 / 35
p0 86.38 ± 7.682
pull
Entries 36
Mean 242.7
Std Dev 222.4

pull1D
Entries 36
Mean 0.005458
Std Dev 0.5028

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ2 / ndf 15.91 / 35
p0 18.22 ± 3.783
100
50
0
−50
−100
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 21.83
Std Dev 4.27
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.0626
Std Dev 0.6617
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 126 / 35
p0 −71.38 ± 0.1764
−66
−68
−70
−72
−74
−76
−78
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −61.08
Std Dev 47.82

pull1D
Entries 36
Mean −0.00796
Std Dev 1.871

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 26.89 / 35
p0 6.38 ± 0.5683
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 68.72
Std Dev 53.85
pull1D
Entries 36
Mean −0.004793
Std Dev 0.8643

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 26.96 / 35
p0 −6.538 ± 0.5672
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 114
Std Dev 97.62
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.002994
Std Dev 0.8653
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 37.98 / 35
p0 0.1577 ± 0.013
0.4
0.3
0.2
0.1
0
−0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 65.52
Std Dev 50.37
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.05537
Std Dev 1.026
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 27.37 / 35
p0 5.892 ± 0.5631
pull
Entries 36
Mean 64.16
Std Dev 51.74
pull1D
Entries 36
Mean −0.004529
Std Dev 0.8719

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 149.2 / 35
p0 1.895 ± 0.22
pull
Entries 36
Mean 12.86
Std Dev 10.01

pull1D
Entries 36
Mean 0.5478
Std Dev 1.96

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 27.43 / 35
p0 −6.048 ± 0.5621
5
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 110.4
Std Dev 95.89
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean 0.002741
Std Dev 0.8729
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 165.2 / 35
p0 −4.236 ± 0.28
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 14.28
Std Dev 10.43
4
2
0
−2
−4

pull1D
Entries 36
Mean −0.5977
Std Dev 2.057
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 38.32 / 35
p0 0.1543 ± 0.01289
0.4
0.3
0.2
0.1
0
−0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 66.98
Std Dev 51.73
pull1D
Entries 36
Mean −0.05472
Std Dev 1.03

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 26.45 / 35
p0 5.751 ± 0.5477
15
10
5
0
−5
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 71.13
Std Dev 57.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 36
Mean −0.00507
Std Dev 0.8572
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 149 / 35
p0 1.778 ± 0.214
14
12
10
8
6
4
2
0
−2
−4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 13.29
Std Dev 10.29

pull1D
Entries 36
Mean 0.5551
Std Dev 1.958
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 26.5 / 35
p0 −5.925 ± 0.5467
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 110.8
Std Dev 95.74
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 36
Mean 0.003334
Std Dev 0.858
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 165 / 35
p0 −4.07 ± 0.2723
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 14.53
Std Dev 10.58
4
2
0
−2
−4
pull1D
Entries 36
Mean −0.6019
Std Dev 2.054
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 37.94 / 35
p0 0.1505 ± 0.01253
0.4
0.3
0.2
0.1
0
−0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 66.72
Std Dev 51.45
2
1
0
−1
−2
pull1D
Entries 36
Mean −0.05621
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 27.61 / 35
p0 5.469 ± 0.5743
16
14
12
10
8
6
4
2
0
−2
−4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 1155
Std Dev 1137
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 36
Mean −0.0003692
Std Dev 0.8758
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 144.2 / 35
p0 1.877 ± 0.2242
16
14
12
10
8
6
4
2
0
−2
−4
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 13.87
Std Dev 10.72

pull1D
Entries 36
Mean 0.5472
Std Dev 1.925
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 27.58 / 35
p0 −5.647 ± 0.5732
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean −278.9
Std Dev 297
pull1D
Entries 36
Mean −0.001497
Std Dev 0.8752

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 162 / 35
p0 −4.257 ± 0.2853
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 15.57
Std Dev 11.04
4
2
0
−2
−4
pull1D
Entries 36
Mean −0.601
Std Dev 2.034
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 62.55 / 35
p0 0.1477 ± 0.01314
0.4
0.3
0.2
0.1
0
−0.1
−0.2
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 70.6
Std Dev 54.86
pull1D
Entries 36
Mean −0.06176
Std Dev 1.317

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 27.61 / 35
p0 6.455 ± 0.5821
pull
Entries 36
Mean 760.8
Std Dev 739.6
pull1D
Entries 36
Mean 0.001853
Std Dev 0.8757

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ2 / ndf 144.8 / 35
p0 1.91 ± 0.2273
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 11.92
Std Dev 9.076

pull1D
Entries 36
Mean 0.5446
Std Dev 1.93

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 27.52 / 35
p0 −6.61 ± 0.581
5
0
−5
−10
−15
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 370.3
Std Dev 349.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 36
Mean −0.003759
Std Dev 0.8744
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 161.4 / 35
p0 −4.251 ± 0.2892
0
−5
−10
−15
−20
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 13.24
Std Dev 9.681

pull1D
Entries 36
Mean −0.5981
Std Dev 2.031

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 46.37 / 35
p0 0.1628 ± 0.01332
0.5
0.4
0.3
0.2
0.1
0
−0.1
5636. 0
5637. 0
5639. 0
5639. 1
5639. 2
5640. 0
5640. 1
5640. 2
5640. 3
5640. 4
5640. 5
5641. 0
5641. 1
5641. 2
5641. 3
5641. 4
5641. 5
5641. 6
5641. 7
5642. 0
5642. 1
5642. 2
5642. 3
5642. 4
5642. 5
5643. 0
5643. 1
5643. 2
5643. 3
5643. 4
5643. 5
5643. 6
5644. 0
5644. 1
5644. 2
5644. 3
pull
Entries 36
Mean 46.64
Std Dev 32.19
3
2
1
0
−1
−2

pull1D
Entries 36
Mean −0.05449
Std Dev 1.134
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8