dit_asym_us_avg_mean vs run
χ² / ndf 44.1 / 51
p0 2255 ± 1144
pull
Entries 52
Mean −127.6
Std Dev 154.4
pull1D
Entries 52
Mean −0.02316
Std Dev 0.9206

dit_asym_us_avg_rms vs run
χ² / ndf 1761 / 51
p0 811.9 ± 0.8088
880
860
840
820
800
780
760
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_us_avg_mean vs run
χ² / ndf 46.65 / 51
p0 758.8 ± 1932
40000
20000
0
−20000
−40000
pull
Entries 52
Mean −602.2
Std Dev 630
pull1D
Entries 52
Mean −0.005081
Std Dev 0.9471

asym_us_avg_rms vs run
χ² / ndf 2360 / 51
p0 1371 ± 1.366
1700
1600
1500
1400
1300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5953. 2
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5954. 0
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5955. 0
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5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_us_dd_mean vs run
χ² / ndf 45.71 / 51
p0 −983.1± 1127
pull
Entries 52
Mean −39.54
Std Dev 84.92
pull1D
Entries 52
Mean −0.01325
Std Dev 0.9375

dit_asym_us_dd_rms vs run
χ2 / ndf 1881 / 51
p0 799.7 ± 0.7967
860
840
820
800
780
760
740
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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5953. 1
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5954. 0
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5955. 0
5955. 1
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5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

asym_us_dd_mean vs run
χ² / ndf 59.82 / 51
p0 −955.4 ± 1758
pull
Entries 52
Mean 6.204
Std Dev 109.8
pull1D
Entries 52
Mean −0.005403
Std Dev 1.073

asym_us_dd_rms vs run
χ² / ndf 1671 / 51
p0 1248 ± 1.243
1450
1400
1350
1300
1250
1200
1150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
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5952. 5
5953. 1
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5954. 0
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5955. 0
5955. 1
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5956. 0
5956. 1
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5956. 4
5956. 5
5957. 0

dit_asym_usl_mean vs run
χ² / ndf 41.7 / 51
p0 1279 ± 1600
pull
Entries 52
Mean −94.78
Std Dev 125.6
pull1D
Entries 52
Mean −0.02625
Std Dev 0.8951

dit_asym_usl_rms vs run
χ² / ndf 1893 / 51
p0 1136 ± 1.132
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
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5953. 4
5954. 0
5954. 1
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5955. 0
5955. 1
5955. 2
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5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

asym_usl_mean vs run
χ² / ndf 43.75 / 51
p0 5.848 ± 1871
pull
Entries 52
Mean −174.9
Std Dev 210.7
pull1D
Entries 52
Mean −0.01806
Std Dev 0.917

asym_usl_rms vs run
χ² / ndf 1287 / 51
p0 1328 ± 1.323
1440
1420
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
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5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
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5955. 0
5955. 1
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5956. 0
5956. 1
5956. 2
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5956. 4
5956. 5
5957. 0

dit_asym_usr_mean vs run
χ² / ndf 48.09 / 51
p0 3218 ± 1611
pull
Entries 52
Mean −275.5
Std Dev 295.5
pull1D
Entries 52
Mean −0.006327
Std Dev 0.9616

dit_asym_usr_rms vs run
χ² / ndf 1757 / 51
p0 1143 ± 1.139
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
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5953. 1
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5953. 4
5954. 0
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5955. 0
5955. 1
5955. 2
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5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_usr_mean vs run
χ² / ndf 56.23 / 51
p0 1671 ± 3180
pull
Entries 52
Mean 2564
Std Dev 2545
pull1D
Entries 52
Mean 0.0007545
Std Dev 1.04

asym_usr_rms vs run
χ² / ndf 3090 / 51
p0 2256 ± 2.248
2800
2700
2600
2500
2400
2300
2200
2100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
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5955. 0
5955. 1
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5955. 5
5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_at1_avg_mean vs run
χ² / ndf 50.21 / 51
p0 1824 ± 2626
pull
Entries 52
Mean 36.66
Std Dev 26.77
pull1D
Entries 52
Mean −0.01864
Std Dev 0.9825

dit_asym_at1_avg_rms vs run
χ2 / ndf 1758 / 51
p0 1864 ± 1.857
2050
2000
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5954. 0
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5955. 0
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5955. 3
5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

asym_at1_avg_mean vs run
χ2 / ndf 50.95 / 51
p0 1021 ± 2715
pull
Entries 52
Mean 16.55
Std Dev 33.68

pull1D
Entries 52
Mean −0.01686
Std Dev 0.9897

asym_at1_avg_rms vs run
χ² / ndf 1596 / 51
p0 1927 ± 1.92
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5955. 0
5955. 1
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5956. 0
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5956. 4
5956. 5
5957. 0

dit_asym_at1_dd_mean vs run
χ² / ndf 50.71 / 51
p0 −3379 ± 2622
pull
Entries 52
Mean −21.76
Std Dev 40.59
pull1D
Entries 52
Mean −0.006042
Std Dev 0.9875

dit_asym_at1_dd_rms vs run
χ² / ndf 1992 / 51
p0 1861 ± 1.854
2050
2000
1950
1900
1850
1800
1750
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5952. 5
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5954. 0
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5955. 0
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5956. 0
5956. 1
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5956. 4
5956. 5
5957. 0

asym_at1_dd_mean vs run
χ² / ndf 57.4 / 51
p0 −3326 ± 2818
pull
Entries 52
Mean −28.77
Std Dev 30.3
pull1D
Entries 52
Mean −0.006299
Std Dev 1.051

asym_at1_dd_rms vs run
χ² / ndf 1423 / 51
p0 2000 ± 1.993
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5955. 0
5955. 1
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5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 59.04 / 51
p0 1792 ± 2568
pull
Entries 52
Mean −258.1
Std Dev 282.5

pull1D
Entries 52
Mean −0.01852
Std Dev 1.065

dit_asym_at2_avg_rms vs run
χ² / ndf 1172 / 51
p0 1823 ± 1.816
1950
1900
1850
1800
1750
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
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5953. 0
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5955. 0
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5955. 5
5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 53.81 / 51
p0 −8167 ± 9660
pull
Entries 52
Mean 206.3
Std Dev 179

pull1D
Entries 52
Mean 0.01508
Std Dev 1.017

asym_at2_avg_rms vs run
χ² / ndf 4415 / 51
p0 6848 ± 6.831
9000
8500
8000
7500
7000
6500
6000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
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5953. 0
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5955. 0
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5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_at2_dd_mean vs run
χ² / ndf 62.7 / 51
p0 −1263 ± 2250
pull
Entries 52
Mean 182.9
Std Dev 168.5
pull1D
Entries 52
Mean −0.008292
Std Dev 1.098

dit_asym_at2_dd_rms vs run
χ² / ndf 1856 / 51
p0 1597 ± 1.591
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
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5953. 0
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5954. 0
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5955. 0
5955. 1
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5955. 4
5955. 5
5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 56.59 / 51
p0 −79.55 ± 3611
pull
Entries 52
Mean 151.5
Std Dev 138.4

pull1D
Entries 52
Mean 0.01203
Std Dev 1.043

asym_at2_dd_rms vs run
χ² / ndf 2228 / 51
p0 2563 ± 2.554
3000
2900
2800
2700
2600
2500
2400
2300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
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5953. 0
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5954. 1
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5954. 7
5955. 0
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5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl_avg_mean vs run
χ² / ndf 53.79 / 51
p0 −403.3 ± 2281
pull
Entries 52
Mean −47.58
Std Dev 75.57
pull1D
Entries 52
Mean −0.03179
Std Dev 1.017

dit_asym_atl_avg_rms vs run
χ² / ndf 1706 / 51
p0 1619 ± 1.613
1750
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
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5953. 0
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5954. 7
5955. 0
5955. 1
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5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl_avg_mean vs run
×10^3
χ² / ndf 54.54 / 51
p0 −4935 ± 4695
pull
Entries 52
Mean 4.305e+05
Std Dev 4.305e+05

pull1D
Entries 52
Mean 5.409e−06
Std Dev 1.024

asym_atl_avg_rms vs run
χ2 / ndf 3019 / 51
p0 3331 ± 3.32
4400
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
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5953. 0
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5953. 4
5954. 0
5954. 1
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5955. 0
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5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
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5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl_dd_mean vs run
χ² / ndf 65.72 / 51
p0 −1121 ± 2234
pull
Entries 52
Mean −815.3
Std Dev 841.4

pull1D
Entries 52
Mean 0.002748
Std Dev 1.124

dit_asym_atl_dd_rms vs run
χ² / ndf 1573 / 51
p0 1586 ± 1.58
1700
1650
1600
1550
1500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
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5954. 0
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5955. 0
5955. 1
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5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl_dd_mean vs run
χ^2 / ndf 56.97 / 51
p0 2336 ± 3559
×10^3
pull
Entries 52
Mean 247.2
Std Dev 215.3

pull1D
Entries 52
Mean −0.01235
Std Dev 1.047

asym_atl_dd_rms vs run
χ² / ndf 1477 / 51
p0 2527 ± 2.517
3000
2900
2800
2700
2600
2500
2400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atr_avg_mean vs run
χ² / ndf 54.95 / 51
p0 4080 ± 2788
pull
Entries 52
Mean −252.8
Std Dev 276.3
pull1D
Entries 52
Mean −0.009754
Std Dev 1.028

dit_asym_atr_avg_rms vs run
χ² / ndf 1626 / 51
p0 1979 ± 1.971
2150
2100
2050
2000
1950
1900
1850
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atr_avg_mean vs run
×10^3
χ^2 / ndf 52.68 / 51
p0 −1786 ± 6517
pull
Entries 52
Mean 261.1
Std Dev 234.7

pull1D
Entries 52
Mean 0.009877
Std Dev 1.006

asym_atr_avg_rms vs run
χ² / ndf 3577 / 51
p0 4622 ± 4.608
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atr_dd_mean vs run
χ² / ndf 48.4 / 51
p0 991.7 ± 2733
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 52
Mean −3292
Std Dev 3314
2
1
0
−1
−2

pull1D
Entries 52
Mean 0.0009731
Std Dev 0.9648
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_dd_rms vs run
χ² / ndf 1728 / 51
p0 1940 ± 1.933
2100
2050
2000
1950
1900
1850
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atr_dd_mean vs run
×10^3
χ² / ndf 54.03 / 51
p0 6316 ± 6690
150
100
50
0
−50
−100
−150
pull
Entries 52
Mean 174.3
Std Dev 151
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

pull1D
Entries 52
Mean −0.017
Std Dev 1.019
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr_dd_rms vs run
χ² / ndf 3695 / 51
p0 4744 ± 4.731
6000
5800
5600
5400
5200
5000
4800
4600
4400
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 56.87 / 51
p0 −60.62 ± 1811
pull
Entries 52
Mean −1704
Std Dev 1728
pull1D
Entries 52
Mean 0.002239
Std Dev 1.046

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1483 / 51
p0 1286 ± 1.281
1400
1350
1300
1250
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 53.48 / 51
p0 4483 ± 4703
pull
Entries 52
Mean 172.3
Std Dev 145.8

pull1D
Entries 52
Mean −0.01929
Std Dev 1.014

asym_atl_dd_atr_dd_avg_rms vs run
χ2 / ndf 3523 / 51
p0 3335 ± 3.325
4200
4000
3800
3600
3400
3200
3000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 53.83 / 51
p0 −1058 ± 1717
pull
Entries 52
Mean 1150
Std Dev 1135
pull1D
Entries 52
Mean 0.000968
Std Dev 1.017

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1883 / 51
p0 1219 ± 1.214
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
1140
1120
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
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5954. 0
5954. 1
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5954. 5
5954. 6
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5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.98 / 51
p0 −1723 ± 2570
pull
Entries 52
Mean 251.3
Std Dev 241
pull1D
Entries 52
Mean 0.005754
Std Dev 1.065

asym_atl_dd_atr_dd_dd_rms vs run
χ2 / ndf 1843 / 51
p0 1824 ± 1.817
2100
2000
1900
1800
1700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 61.8 / 51
p0 −1512 ± 3452
pull
Entries 52
Mean 23.24
Std Dev 17.31

pull1D
Entries 52
Mean −0.01941
Std Dev 1.09

dit_asym_atl1_rms vs run
χ² / ndf 1765 / 51
p0 2450 ± 2.441
2700
2650
2600
2550
2500
2450
2400
2350
2300
2250
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
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5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl1_mean vs run
×10^3
χ² / ndf 65.6 / 51
p0 −2232 ± 3787
pull
Entries 52
Mean 6.761
Std Dev 6.688

pull1D
Entries 52
Mean −0.01796
Std Dev 1.123

asym_atl1_rms vs run
χ² / ndf 1280 / 51
p0 2689 ± 2.678
2900
2850
2800
2750
2700
2650
2600
2550
2500
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atl2_mean vs run
χ² / ndf 56.73 / 51
p0 680.9 ± 2910
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 52
Mean −111.8
Std Dev 138.9
2
1
0
−1
−2
−3

pull1D
Entries 52
Mean −0.02622
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl2_rms vs run
χ² / ndf 1455 / 51
p0 2066 ± 2.058
2200
2150
2100
2050
2000
1950
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atl2_mean vs run
×10^3
χ² / ndf 53.06 / 51
p0 −7678 ± 7414
pull
Entries 52
Mean 306.1
Std Dev 274.9

pull1D
Entries 52
Mean 0.009886
Std Dev 1.01

asym_atl2_rms vs run
χ² / ndf 3255 / 51
p0 5259 ± 5.243
7000
6500
6000
5500
5000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atr1_mean vs run
χ^2 / ndf 41.67 / 51
p0 5111 ± 3954
×10^3
pull
Entries 52
Mean 72.69
Std Dev 60.43

pull1D
Entries 52
Mean −0.006773
Std Dev 0.8952

dit_asym_atr1_rms vs run
χ² / ndf 1952 / 51
p0 2806 ± 2.796
3100
3000
2900
2800
2700
2600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atr1_mean vs run
×10^3
χ² / ndf 44.16 / 51
p0 4285 ± 4035
pull
Entries 52
Mean 42.01
Std Dev 72.72

pull1D
Entries 52
Mean −0.005794
Std Dev 0.9216

asym_atr1_rms vs run
χ² / ndf 1767 / 51
p0 2864 ± 2.853
3100
3000
2900
2800
2700
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 62.46 / 51
p0 3016 ± 3853
pull
Entries 52
Mean −614
Std Dev 636.6

pull1D
Entries 52
Mean −0.006655
Std Dev 1.096

dit_asym_atr2_rms vs run
χ² / ndf 1418 / 51
p0 2736 ± 2.725
2950
2900
2850
2800
2750
2700
2650
2600
2550
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_atr2_mean vs run
×10^3
χ² / ndf 54.5 / 51
p0 −8386 ± 1.256e+04
pull
Entries 52
Mean 187.3
Std Dev 162.4

pull1D
Entries 52
Mean 0.01581
Std Dev 1.024

asym_atr2_rms vs run
χ2 / ndf 4427 / 51
p0 8904 ± 8.882
11500
11000
10500
10000
9500
9000
8500
8000
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam1_mean vs run
χ² / ndf 57.78 / 51
p0 175.6 ± 109.8
pull
Entries 52
Mean 3.14
Std Dev 28.87
pull1D
Entries 52
Mean −0.02126
Std Dev 1.054

dit_asym_sam1_rms vs run
χ² / ndf 565.3 / 51
p0 77.99 ± 0.07765
84
82
80
78
76
74
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam1_mean vs run
χ² / ndf 49.62 / 51
p0 −511.7 ± 688.5
pull
Entries 52
Mean 103.3
Std Dev 79.58

pull1D
Entries 52
Mean −0.01518
Std Dev 0.9768

asym_sam1_rms vs run
χ² / ndf 1986 / 51
p0 488.7 ± 0.4869
580
560
540
520
500
480
460
440
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam2_mean vs run
χ² / ndf 52.51 / 51
p0 311.6 ± 462.7
pull
Entries 52
Mean −29.28
Std Dev 63.36
pull1D
Entries 52
Mean −0.02884
Std Dev 1.005

dit_asym_sam2_rms vs run
χ² / ndf 1595 / 51
p0 328.5 ± 0.3272
400
380
360
340
320
300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam2_mean vs run
×10^3
χ^2 / ndf 58.5 / 51
p0 440.9 ± 5911
pull
Entries 52
Mean 71.66
Std Dev 62.83

pull1D
Entries 52
Mean −0.01908
Std Dev 1.06

asym_sam2_rms vs run
χ² / ndf 5909 / 51
p0 4187 ± 4.18
5400
5200
5000
4800
4600
4400
4200
4000
3800
3600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam3_mean vs run
χ² / ndf 37.94 / 51
p0 −232.5 ± 212.7
pull
Entries 52
Mean 259
Std Dev 237.9

pull1D
Entries 52
Mean 0.005481
Std Dev 0.8541

dit_asym_sam3_rms vs run
χ2 / ndf 3.084e+04 / 51
p0 148.8 ± 0.1504
350
300
250
200
150
100
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam3_mean vs run
χ² / ndf 58.65 / 51
p0 749.3 ± 3066
pull
Entries 52
Mean 72.43
Std Dev 77.08
pull1D
Entries 52
Mean −0.01228
Std Dev 1.062

asym_sam3_rms vs run
χ2 / ndf 8607 / 51
p0 2169 ± 2.168
3000
2800
2600
2400
2200
2000
1800
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam4_mean vs run
χ² / ndf 41.05 / 51
p0 −862.8 ± 474.6
10000
5000
0
−5000
−10000
pull
Entries 52
Mean 53.5
Std Dev 48.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

pull1D
Entries 52
Mean 0.01811
Std Dev 0.8883
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam4_rms vs run
χ2 / ndf 5140 / 51
p0 336.3 ± 0.3356
550
500
450
400
350
300
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam4_mean vs run
×10^3
χ² / ndf 53.17 / 51
p0 1865 ± 4768
pull
Entries 52
Mean 1.639
Std Dev 354.3

pull1D
Entries 52
Mean −0.0004272
Std Dev 1.011

asym_sam4_rms vs run
χ² / ndf 3164 / 51
p0 3382 ± 3.372
4200
4000
3800
3600
3400
3200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam5_mean vs run
χ² / ndf 51.98 / 51
p0 −435 ± 244.6
pull
Entries 52
Mean 24.56
Std Dev 35.9

pull1D
Entries 52
Mean 0.02219
Std Dev 0.9996

dit_asym_sam5_rms vs run
χ² / ndf 325.4 / 51
p0 173.8 ± 0.173
182
180
178
176
174
172
170
168
166
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam5_mean vs run
χ² / ndf 44.88 / 51
p0 950.3 ± 1663
pull
Entries 52
Mean 104
Std Dev 73.91
pull1D
Entries 52
Mean 0.01583
Std Dev 0.9289

asym_sam5_rms vs run
χ2 / ndf 3160 / 51
p0 1180 ± 1.176
1400
1350
1300
1250
1200
1150
1100
1050
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam6_mean vs run
χ² / ndf 50.36 / 51
p0 −600.6 ± 216.9
pull
Entries 52
Mean 45.62
Std Dev 33.93

pull1D
Entries 52
Mean 0.01594
Std Dev 0.984

dit_asym_sam6_rms vs run
χ2 / ndf 2042 / 51
p0 154 ± 0.1534
200
190
180
170
160
150
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam6_mean vs run
χ² / ndf 55.06 / 51
p0 188.4 ± 1859
40000
20000
0
−20000
−40000
pull
Entries 52
Mean 118.6
Std Dev 103.9
pull1D
Entries 52
Mean 0.01186
Std Dev 1.029

asym_sam6_rms vs run
χ2 / ndf 2139 / 51
p0 1319 ± 1.314
1550
1500
1450
1400
1350
1300
1250
1200
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam7_mean vs run
χ^2 / ndf 44.33 / 51
p0 −9.285 ± 110.1
pull
Entries 52
Mean 196.5
Std Dev 152.9

pull1D
Entries 52
Mean 0.008681
Std Dev 0.9233

dit_asym_sam7_rms vs run
χ2 / ndf 702.3 / 51
p0 78.17 ± 0.07783
84
82
80
78
76
74
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam7_mean vs run
χ² / ndf 58.87 / 51
p0 177.2 ± 989.9
pull
Entries 52
Mean 90.92
Std Dev 98.32
pull1D
Entries 52
Mean −0.009635
Std Dev 1.064

asym_sam7_rms vs run
χ² / ndf 5577 / 51
p0 701.3 ± 0.6999
900
850
800
750
700
650
600
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_asym_sam8_mean vs run
χ^2 / ndf 56.13 / 51
p0 −202 ± 100.4
2000
1000
0
−1000
−2000
−3000
pull
Entries 52
Mean 92.06
Std Dev 61.8
2
1
0
−1
−2

pull1D
Entries 52
Mean −0.01186
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam8_rms vs run
χ² / ndf 787.1 / 51
p0 71.28 ± 0.07097
76
74
72
70
68
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

asym_sam8_mean vs run
χ² / ndf 54.79 / 51
p0 −500.3 ± 727.8
pull
Entries 52
Mean 177.3
Std Dev 178.3

pull1D
Entries 52
Mean −0.005297
Std Dev 1.026

asym_sam8_rms vs run
χ² / ndf 3538 / 51
p0 516.1 ± 0.5146
640
620
600
580
560
540
520
500
480
460
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_usl_4aX_slope vs run
χ² / ndf 7.252e−27 / 51
p0 −225 ± 0.6675
−220
−222
−224
−226
−228
−230
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

pull1D
Entries 52
Mean −1.181e−14
Std Dev 5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 8.131e−26 / 51
p0 183.3 ± 0.6977
188
186
184
182
180
178
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
40
35
30
25
20
15
10
5
0

pull1D
Entries 52
Mean 3.954e−14
Std Dev 1.121e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run
χ^2 / ndf 4.963e−26 / 51
p0 −41.05 ± 0.06379
−40.6
−40.8
−41
−41.2
−41.4
−41.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
0
−5
−10
−15
−20
−25
−30

pull1D
Entries 52
Mean −3.089e−14
Std Dev1.467e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4aY_slope vs run
χ2 / ndf 2.109e−27 / 51
p0 −2.153 ± 0.04835
−1.8
−1.9
−2
−2.1
−2.2
−2.3
−2.4
−2.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15

pull1D
Entries 52
Mean −6.369e−15
Std Dev 2.118e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eY_slope vs run
χ² / ndf 2.325e−25 / 51
p0 22.78 ± 0.04421
23.1
23
22.9
22.8
22.7
22.6
22.5
22.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 52
Mean −6.686e−14
Std Dev3.882e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run
χ² / ndf 6.945e−26 / 51
p0 −328.9 ± 0.6471
−324
−326
−328
−330
−332
−334
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 52
Mean −3.654e−14
Std Dev 5.989e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eX_slope vs run
χ^2 / ndf 7.384e−27 / 51
p0 415.4 ± 0.6615
420
418
416
414
412
410
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.192e−14
Std Dev 3.962e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run
χ^2 / ndf 0 / 51
p0 −42.1 ± 0.05763
−41.6
−41.7
−41.8
−41.9
−42
−42.1
−42.2
−42.3
−42.4
−42.5
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

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

dit_usr_4aY_slope vs run
χ^2 / ndf 4.022e−30 / 51
p0 −0.3108 ± 0.05536
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −2.781e−16
Std Dev 1.097e−23

dit_usr_4eY_slope vs run
χ² / ndf 1.112e−25 / 51
p0 15.87 ± 0.05327
16.3
16.2
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−10
−20
−30
−40

pull1D
Entries 52
Mean −4.624e−14
Std Dev 1.037e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aX_slope vs run
χ^2 / ndf 2.781e−28 / 51
p0 −96.36 ± 1.704
−85
−90
−95
−100
−105
−110
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
0
−0.5
−1
−1.5
−2

pull1D
Entries 52
Mean −2.313e−15
Std Dev 1.123e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.053e−27 / 51
p0 146.5 ± 1.752
160
155
150
145
140
135
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 4.5e−15
Std Dev 1.756e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_11X12X_slope vs run
χ^2 / ndf 8.937e−27 / 51
p0 −19.64 ± 0.1127
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.311e−14
Std Dev 5.399e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4aY_slope vs run
χ^2 / ndf 5.069e−27 / 51
p0 10.22 ± 0.1497
11.5
11
10.5
10
9.5
9
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
0
−2
−4
−6
−8
−10

pull1D
Entries 52
Mean −9.874e−15
Std Dev 1.834e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ² / ndf 6.73e−28 / 51
p0 −17.12 ± 0.1369
−16
−16.5
−17
−17.5
−18
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 3.597e−15
Std Dev 1.401e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 3.991e−25 / 51
p0 −1336 ± 1.44
−1325
−1330
−1335
−1340
−1345
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 52
Mean 8.761e−14
Std Dev 3.388e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ² / ndf 1.912e−24 / 51
p0 1378 ± 1.48
1390
1385
1380
1375
1370
1365
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

pull1D
Entries 52
Mean −1.917e−13
Std Dev 9.878e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 6.817e−25 / 51
p0 −208.8 ± 0.1377
−208
−208.5
−209
−209.5
−210
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 52
Mean 1.145e−13
Std Dev 4.15e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ² / ndf 1.459e−26 / 51
p0 −12.68 ± 0.1176
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.675e−14
Std Dev 7.923e−22

dit_atl2_4eY_slope vs run
χ2 / ndf 5.793e−25 / 51
p0 108.4 ± 0.112
109.2
109
108.8
108.6
108.4
108.2
108
107.8
107.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10−12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 52
Mean 1.055e−13
Std Dev3.788e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ² / ndf 2.154e−27 / 51
p0 −190.2 ± 0.6123
−186
−188
−190
−192
−194
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

pull1D
Entries 52
Mean −6.437e−15
Std Dev1.497e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 1.845e−26 / 51
p0 147.6 ± 0.6278
152
150
148
146
144
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.884e−14
Std Dev 6.696e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run

dit_atr1_4aY_slope vs run
χ^2 / ndf 1.112e−26 / 51
p0 13.36 ± 0.1347
14.5
14
13.5
13
12.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
14
12
10
8
6
4
2
0

pull1D
Entries 52
Mean 1.463e−14
Std Dev 6.353e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ² / ndf 1.702e−26 / 51
p0 −21.78 ± 0.0817
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵

pull1D
Entries 52
Mean −1.809e−14
Std Dev 0

dit_atr2_4aX_slope vs run
χ^2 / ndf 1.427e−25 / 51
p0 −1812 ± 2.407
−1795
−1800
−1805
−1810
−1815
−1820
−1825
−1830
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
50
40
30
20
10
0

pull1D
Entries 52
Mean 5.239e−14
Std Dev 2.47e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 3.436e−26 / 51
p0 2062 ± 2.453
2080
2075
2070
2065
2060
2055
2050
2045
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−5
−10
−15
−20
−25

pull1D
Entries 52
Mean −2.57e−14
Std Dev 9.932e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.31e−24 / 51
p0 −265 ± 0.1875
−263.5
−264
−264.5
−265
−265.5
−266
−266.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-12
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 52
Mean −2.523e−13
Std Dev 7.576e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ^2 / ndf 4.387e−27 / 51
p0 −16.18 ± 0.1609
−15
−15.5
−16
−16.5
−17
−17.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15

pull1D
Entries 52
Mean 9.185e−15
Std Dev 2.995e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eY_slope vs run
χ^2 / ndf 9.879e−26 / 51
p0 134.7 ± 0.09043
135.4
135.2
135
134.8
134.6
134.4
134.2
134
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

pull1D
Entries 52
Mean −4.359e−14
Std Dev1.694e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run
χ^2 / ndf 0 / 51
p0 0.8488 ± 0.1427
pull
Entries 52
Mean 0
Std Dev 0

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_4eX_slope vs run
χ^2 / ndf 0 / 51
p0 −12.66 ± 0.1767
−11.5
−12
−12.5
−13
−13.5
−14
pull
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

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

dit_sam1_11X12X_slope vs run
χ^2 / ndf 1.018e−28 / 51
p0 0.4445 ± 0.011
0.52
0.5
0.48
0.46
0.44
0.42
0.4
0.38
0.36
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
1.4
1.2
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 52
Mean 1.399e−15
Std Dev 2.647e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aY_slope vs run
χ2 / ndf 1.26e−23 / 51
p0 −53.55 ± 0.02803
−53.35
−53.4
−53.45
−53.5
−53.55
−53.6
−53.65
−53.7
−53.75
pull
Entries 52
Mean 26
Std Dev 15.01
×10−12
0
−0.1
−0.2
−0.3
−0.4
−0.5

pull1D
Entries 52
Mean −4.922e−13
Std Dev1.793e−20
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 2.318e−25 / 51
p0 9.587 ± 0.02583
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −6.677e−14
Std Dev2.809e−21

dit_sam2_4aX_slope vs run
χ^2 / ndf 2.105e−29 / 51
p0 28.65 ± 2.323
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −6.363e−16
Std Dev 0

dit_sam2_4eX_slope vs run
χ² / ndf 2.175e−26 / 51
p0 −254.7 ± 2.312
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 2.045e−14
Std Dev 9.47e−22

dit_sam2_11X12X_slope vs run
χ^2 / ndf 5.827e−29 / 51
p0 1.59 ± 0.1745
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.059e−15
Std Dev 6.065e−23

dit_sam2_4aY_slope vs run
χ2 / ndf 1.665e−25 / 51
p0 17.39 ± 0.06965
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
0
−10
−20
−30
−40
−50

pull1D
Entries 52
Mean −5.659e−14
Std Dev 1.339e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4eY_slope vs run
χ² / ndf 1.145e−24 / 51
p0 −225.9 ± 0.0797
−225.2
−225.4
−225.6
−225.8
−226
−226.2
−226.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 52
Mean 1.484e−13
Std Dev 4.15e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aX_slope vs run

dit_sam3_4eX_slope vs run
χ² / ndf 1.774e−27 / 51
p0 −107.9 ± 2.7
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 5.84e−15
Std Dev 2.483e−22

dit_sam3_11X12X_slope vs run

dit_sam3_4aY_slope vs run
χ2 / ndf 1.004e−26 / 51
p0 −7.491 ± 0.08863
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.39e−14
Std Dev 6.353e−22

dit_sam3_4eY_slope vs run
χ^2 / ndf 1.01e−25 / 51
p0 32.83 ± 0.1565
34
33.5
33
32.5
32
31.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
45
40
35
30
25
20
15
10
5
0

pull1D
Entries 52
Mean 4.408e−14
Std Dev 1.986e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run
χ2 / ndf 2.786e−29 / 51
p0 45.43 ± 2.693
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 7.319e−16
Std Dev 3.502e−23

dit_sam4_4eX_slope vs run
χ2 / ndf 1.546e−26 / 51
p0 −265.1 ± 2.743
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.724e−14
Std Dev7.635e−22

dit_sam4_11X12X_slope vs run
χ^2 / ndf 5.066e−29 / 51
p0 3.351 ± 0.2496
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 9.87e−16
Std Dev 5.919e−23

dit_sam4_4aY_slope vs run
χ² / ndf 6.805e−28 / 51
p0 −29.59 ± 0.2724
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −3.617e−15
Std Dev 1.297e−22

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.644e−25 / 51
p0 307.5 ± 0.4422
311
310
309
308
307
306
305
304
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−10
−20
−30
−40
−50
−60
−70

pull1D
Entries 52
Mean −7.131e−14
Std Dev 1.894e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run
χ^2 / ndf 6.55e−29 / 51
p0 8.392 ± 0.2195
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.122e−15
Std Dev 2.647e−23

dit_sam5_4eX_slope vs run
χ^2 / ndf 1.564e−29 / 51
p0 −7.453 ± 0.2246
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −5.485e−16
Std Dev 2.884e−23

dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.267e−27 / 51
p0 0.5099 ± 0.02099
0.65
0.6
0.55
0.5
0.45
0.4
0.35
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
6
5
4
3
2
1
0

pull1D
Entries 52
Mean 6.603e−15
Std Dev 2.9e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aY_slope vs run
χ² / ndf 1.894e−25 / 51
p0 33.19 ± 0.09796
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −6.035e−14
Std Dev1.467e−21

dit_sam5_4eY_slope vs run
χ² / ndf 5.076e−26 / 51
p0 128.6 ± 0.1262
129.5
129
128.5
128
127.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
30
25
20
15
10
5
0

pull1D
Entries 52
Mean 3.124e−14
Std Dev 8.47e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run
χ^2 / ndf 4.95e−28 / 51
p0 46.11 ± 0.9581
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −3.085e−15
Std Dev 1.242e−22

dit_sam6_4eX_slope vs run
χ^2 / ndf 7.1e−29 / 51
p0 7.382 ± 0.9487
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean 1.169e−15
Std Dev 3.242e−23

dit_sam6_11X12X_slope vs run
χ^2 / ndf 9.323e−30 / 51
p0 1.204 ± 0.07272
1.8
1.6
1.4
1.2
1
0.8
0.6
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

pull1D
Entries 52
Mean −4.234e−16
Std Dev1.146e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ2 / ndf 1.319e−25 / 51
p0 22.25 ± 0.04891
22.6
22.5
22.4
22.3
22.2
22.1
22
21.9
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
50
40
30
20
10
0

pull1D
Entries 52
Mean 5.037e−14
Std Dev 1.585e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run
χ² / ndf 6.155e−26 / 51
p0 86.17 ± 0.1146
87
86.8
86.6
86.4
86.2
86
85.8
85.6
85.4
85.2
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 52
Mean −3.441e−14
Std Dev 1.121e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aX_slope vs run
χ² / ndf 7.397e−26 / 51
p0 89.66 ± 0.3135
92
91
90
89
88
87
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
35
30
25
20
15
10
5
0

pull1D
Entries 52
Mean 3.772e−14
Std Dev2.031e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run
χ² / ndf 5.435e−25 / 51
p0 −140 ± 0.3084
−138
−139
−140
−141
−142
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 52
Mean −1.022e−13
Std Dev4.939e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_11X12X_slope vs run
χ^2 / ndf 4.808e−28 / 51
p0 0.6465 ± 0.02532
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
3
2.5
2
1.5
1
0.5
0

pull1D
Entries 52
Mean 3.041e−15
Std Dev 9.904e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4aY_slope vs run
χ² / ndf 7.845e−25 / 51
p0 7.036 ± 0.009025
pull
Entries 52
Mean 26
Std Dev 15.01

pull1D
Entries 52
Mean −1.228e−13
Std Dev5.357e−21

dit_sam7_4eY_slope vs run
χ^2 / ndf 4.246e−25 / 51
p0 −12.68 ± 0.02181
−12.5
−12.55
−12.6
−12.65
−12.7
−12.75
−12.8
−12.85
pull
Entries 52
Mean 26
Std Dev 15.01
×10^−15
90
80
70
60
50
40
30
20
10
0

pull1D
Entries 52
Mean 9.036e−14
Std Dev 2.934e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aX_slope vs run
χ² / ndf 3.259e−26 / 51
p0 64.36 ± 0.2362
66
65.5
65
64.5
64
63.5
63
62.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹⁵
25
20
15
10
5
0

pull1D
Entries 52
Mean 2.503e−14
Std Dev 5.187e−22
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4eX_slope vs run

dit_sam8_11X12X_slope vs run
χ^2 / ndf 3.067e−29 / 51
p0 0.6512 ± 0.02005
0.8
0.75
0.7
0.65
0.6
0.55
0.5
pull
Entries 52
Mean 26
Std Dev 15.01
×10^-15
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

pull1D
Entries 52
Mean −7.68e−16
Std Dev 3.97e−23
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam8_4aY_slope vs run
χ² / ndf 4.475e−23 / 51
p0 −53.13 ± 0.01381
−53.05
−53.1
−53.15
−53.2
−53.25
pull
Entries 52
Mean 26
Std Dev 15.01
×10⁻¹²

pull1D
Entries 52
Mean 9.277e−13
Std Dev 1.917e−20

dit_sam8_4eY_slope vs run
χ2 / ndf 1.509e−25 / 51
p0 63.86 ± 0.07317
64.4
64.2
64
63.8
63.6
63.4
pull
Entries 52
Mean 26
Std Dev 15.01
×10−15
50
40
30
20
10
0

pull1D
Entries 52
Mean 5.387e−14
Std Dev 1.986e−21
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_4aX_coil1_mean vs run

dit_4aX_coil1_err_mean vs run

dit_4aX_coil1_Ndata_mean vs run

dit_4eX_coil1_mean vs run

dit_4eX_coil1_err_mean vs run

dit_4eX_coil1_Ndata_mean vs run

dit_11X12X_coil1_mean vs run

dit_11X12X_coil1_err_mean vs run

dit_11X12X_coil1_Ndata_mean vs run

dit_4aY_coil1_mean vs run
χ² / ndf 4.193e+31 / 51
p0 3.599 ± 1.387e−16
pull
Entries 52
Mean 3.774e+08
Std Dev 3.774e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil1_err_mean vs run

dit_4aY_coil1_Ndata_mean vs run

dit_4eY_coil1_mean vs run
χ² / ndf 8.079e+31 / 51
p0 5.509 ± 1.387e−16
pull
Entries 52
Mean −5.128e+08
Std Dev 5.128e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil1_err_mean vs run
χ2 / ndf 1.83e+30 / 51
p0 0.8424 ± 1.387e−16
pull
Entries 52
Mean −1.253e+09
Std Dev 1.253e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil1_mean vs run
χ² / ndf inf / 51
p0 2.195e+04 ± 1.387e−16
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean −2.247e+08
Std Dev 2.247e+08
×10¹⁸
0
−5
−10
−15
−20

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

dit_usl_coil1_err_mean vs run
χ² / ndf 3.67e+35 / 51
p0 217 ± 1.387e−16
pull
Entries 52
Mean −1.675e+09
Std Dev 1.675e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil1_mean vs run
χ² / ndf inf / 51
p0 −1.912e+04 ± 1.387e−16
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean 4.616e+08
Std Dev 4.616e+08
×10¹⁸
20
15
10
5
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_coil1_err_mean vs run

dit_usr_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil1_mean vs run
χ2 / ndf 2.994e+38 / 51
p0 −1.198e+04 ± 1.387e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 52
Mean 2.521e+08
Std Dev 2.521e+08
×10^18
12
10
8
6
4
2
0

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

dit_atl1_coil1_err_mean vs run
χ² / ndf 3.219e+35 / 51
p0 345.6 ± 1.387e−16
400
300
200
100
0
pull
Entries 52
Mean −4.823e+08
Std Dev 4.823e+08
×10¹⁵
100
50
0
−50
−100
−150
−200
−250
−300
−350

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

dit_atl1_coil1_Ndata_mean vs run

dit_atl2_coil1_mean vs run
χ² / ndf inf / 51
p0 2.991e+04 ± 1.387e−16
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean 0
Std Dev 0
×10¹⁸
0
−5
−10
−15
−20
−25
−30

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

dit_atl2_coil1_err_mean vs run
χ² / ndf 2.635e+36 / 51
p0 843.4 ± 1.387e−16
pull
Entries 52
Mean 2.557e+09
Std Dev 2.557e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil1_mean vs run
χ² / ndf inf / 51
p0 1.909e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean 1.722e+08
Std Dev 1.722e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_coil1_err_mean vs run
χ² / ndf 4.482e+35 / 51
p0 367.2 ± 1.387e−16
pull
Entries 52
Mean −3.807e+09
Std Dev 3.807e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil1_mean vs run
χ² / ndf inf / 51
p0 −2.535e+04 ± 1.387e−16
pull
Entries 52
Mean 2.168e+09
Std Dev 2.168e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil1_err_mean vs run
χ² / ndf 5.601e+36 / 51
p0 1445 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 3.816e+07
Std Dev 3.816e+07
×10¹⁵
400
200
0
−200
−400
−600
−800
−1000
−1200
−1400

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

dit_atr2_coil1_Ndata_mean vs run

dit_sam1_coil1_mean vs run
χ² / ndf 3.846e+37 / 51
p0 3525 ± 1.387e−16
4000
3000
2000
1000
0
pull
Entries 52
Mean 8.364e+08
Std Dev 8.364e+08
1000
500
0
−500
−1000
−1500
−2000
−2500
−3000
−3500

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

dit_sam1_coil1_err_mean vs run
χ² / ndf 3.892e+34 / 51
p0 72.81± 1.387e−16
pull
Entries 52
Mean −1.439e+09
Std Dev 1.439e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil1_mean vs run
χ² / ndf inf / 51
p0 7.088e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean 7.321e+07
Std Dev 7.321e+07
×10¹⁸
0
−10
−20
−30
−40
−50
−60
−70

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

dit_sam2_coil1_err_mean vs run
χ² / ndf 1.715e+36 / 51
p0 806.5 ± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean 3.15e+08
Std Dev 3.15e+08
×10¹⁵
200
0
−200
−400
−600
−800

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

dit_sam2_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil1_mean vs run
χ² / ndf inf / 51
p0 4.403e+04 ± 1.387e−16
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −4.967e+07
Std Dev 4.967e+07
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil1_err_mean vs run
χ² / ndf 6.451e+35 / 51
p0 507.1± 1.387e−16
600
500
400
300
200
100
0
pull
Entries 52
Mean 1.941e+08
Std Dev 1.941e+08
×10¹⁵
100
0
−100
−200
−300
−400
−500

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

dit_sam3_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil1_mean vs run
χ² / ndf inf / 51
p0 7.128e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean 2.928e+07
Std Dev 2.928e+07
×10¹⁸
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil1_err_mean vs run
χ^2 / ndf 1.471e+36 / 51
p0 742.6 ± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean 9.227e+08
Std Dev 9.227e+08
200
0
−200
−400
−600

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

dit_sam4_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil1_mean vs run
χ² / ndf 4.595e+36 / 51
p0 432.3 ± 1.387e−16
800
600
400
200
0
pull
Entries 52
Mean 1.094e+09
Std Dev 1.094e+09
×10¹⁵
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_coil1_err_mean vs run
χ² / ndf 6.465e+34 / 51
p0 153.9 ± 1.387e−16
pull
Entries 52
Mean 6.881e+07
Std Dev 6.881e+07

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil1_mean vs run
χ2 / ndf inf / 51
p0 −1.664e+04 ± 1.387e−16
0
−5000
−10000
−15000
−20000
pull
Entries 52
Mean −1.318e+09
Std Dev 1.318e+09
×10^18
16
14
12
10
8
6
4
2
0
−2

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

dit_sam6_coil1_err_mean vs run
χ² / ndf 2.306e+35 / 51
p0 261.6 ± 1.387e−16
pull
Entries 52
Mean −5.183e+09
Std Dev 5.183e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil1_Ndata_mean vs run

dit_sam7_coil1_mean vs run
χ² / ndf inf / 51
p0 1.616e+04 ± 1.387e−16
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 52
Mean 4.716e+08
Std Dev 4.716e+08
×10¹⁸
0
−2
−4
−6
−8
−10
−12
−14
−16

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

dit_sam7_coil1_err_mean vs run
χ² / ndf 7.323e+34 / 51
p0 149.6 ± 1.387e−16
200
150
100
50
0
pull
Entries 52
Mean 1.233e+09
Std Dev 1.233e+09
×10¹⁵
50
0
−50
−100
−150

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

dit_sam7_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil1_mean vs run
χ² / ndf 3.325e+38 / 51
p0 1.248e+04 ± 1.387e−16
14000
12000
10000
8000
6000
4000
2000
0
pull
Entries 52
Mean 5.957e+09
Std Dev 5.957e+09
×10¹⁸
0
−2
−4
−6
−8
−10
−12

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

dit_sam8_coil1_err_mean vs run
χ² / ndf 4.15e+34 / 51
p0 114.6 ± 1.387e−16
pull
Entries 52
Mean −1.051e+09
Std Dev 1.051e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil1_Ndata_mean vs run
χ² / ndf 5.704e+36 / 51
p0 1151± 1.387e−16
pull
Entries 52
Mean 1.063e+08
Std Dev 1.063e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil3_mean vs run

dit_4aX_coil3_err_mean vs run

dit_4aX_coil3_Ndata_mean vs run

dit_4eX_coil3_mean vs run

dit_4eX_coil3_err_mean vs run

dit_4eX_coil3_Ndata_mean vs run

dit_11X12X_coil3_mean vs run

dit_11X12X_coil3_err_mean vs run

dit_11X12X_coil3_Ndata_mean vs run

dit_4aY_coil3_mean vs run
χ² / ndf 3.341e+31 / 51
p0 3.929 ± 1.387e−16
pull
Entries 52
Mean −9.983e+08
Std Dev 9.983e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil3_err_mean vs run

dit_4aY_coil3_Ndata_mean vs run

dit_4eY_coil3_mean vs run
χ² / ndf 3.995e+31 / 51
p0 4.29 ± 1.387e−16
pull
Entries 52
Mean −7.345e+08
Std Dev 7.345e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil3_err_mean vs run
χ^2 / ndf 5.441e+29 / 51
p0 0.3753 ± 1.387e−16
pull
Entries 52
Mean −1.214e+09
Std Dev 1.214e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil3_Ndata_mean vs run

dit_usl_coil3_mean vs run
χ² / ndf 2.208e+37 / 51
p0 3236 ± 1.387e−16
pull
Entries 52
Mean −2.58e+08
Std Dev 2.58e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil3_err_mean vs run
χ² / ndf 8.122e+34 / 51
p0 116.1± 1.387e−16
pull
Entries 52
Mean −7.955e+08
Std Dev 7.955e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil3_Ndata_mean vs run

dit_usr_coil3_mean vs run
χ² / ndf 2.207e+37 / 51
p0 −2798 ± 1.387e−16
pull
Entries 52
Mean −1.095e+09
Std Dev 1.095e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil3_err_mean vs run
χ² / ndf 9.034e+34 / 51
p0 174.2 ± 1.387e−16
pull
Entries 52
Mean −2.879e+09
Std Dev 2.879e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil3_Ndata_mean vs run

dit_atl1_coil3_mean vs run
χ² / ndf 5.217e+36 / 51
p0 –1335 ± 1.387e–16
pull
Entries 52
Mean 6.854e+07
Std Dev 6.854e+07
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil3_err_mean vs run
χ² / ndf 7.502e+34 / 51
p0 152.4 ± 1.387e−16
pull
Entries 52
Mean −8.549e+08
Std Dev 8.549e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil3_Ndata_mean vs run

dit_atl2_coil3_mean vs run
χ² / ndf 5.593e+37 / 51
p0 4458 ± 1.387e−16
5000
4000
3000
2000
1000
0
pull
Entries 52
Mean −2.62e+09
Std Dev 2.62e+09
×10¹⁵
0
−1000
−2000
−3000
−4000

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

dit_atl2_coil3_err_mean vs run
χ² / ndf 6.553e+35 / 51
p0 417.5 ± 1.387e−16
pull
Entries 52
Mean −6.23e+08
Std Dev 6.23e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil3_Ndata_mean vs run

dit_atr1_coil3_mean vs run
χ² / ndf 1.206e+37 / 51
p0 2353 ± 1.387e−16
2500
2000
1500
1000
500
0
pull
Entries 52
Mean −1.143e+06
Std Dev 1.144e+06
×10¹⁵
0
−500
−1000
−1500
−2000

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

dit_atr1_coil3_err_mean vs run
χ² / ndf 1.013e+35 / 51
p0 161.1± 1.387e−16
pull
Entries 52
Mean −2.55e+09
Std Dev 2.55e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil3_Ndata_mean vs run

dit_atr2_coil3_mean vs run
χ² / ndf 9.843e+37 / 51
p0 −3393 ± 1.387e−16
pull
Entries 52
Mean −6.326e+08
Std Dev 6.326e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil3_err_mean vs run
χ² / ndf 1.4e+36 / 51
p0 682 ± 1.387e−16
800
600
400
200
0
pull
Entries 52
Mean 1.836e+10
Std Dev 1.836e+10
×10¹⁵
200
100
0
−100
−200
−300
−400
−500
−600
−700

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

dit_atr2_coil3_Ndata_mean vs run

dit_sam1_coil3_mean vs run
χ² / ndf 6.597e+35 / 51
p0 290.8 ± 1.387e−16
pull
Entries 52
Mean 6.737e+08
Std Dev 6.737e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil3_err_mean vs run
χ² / ndf 2.586e+34 / 51
p0 38.07 ± 1.387e−16
pull
Entries 52
Mean 0
Std Dev 0
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil3_Ndata_mean vs run

dit_sam2_coil3_mean vs run
χ² / ndf 1.789e+38 / 51
p0 8535 ± 1.387e−16
10000
8000
6000
4000
2000
0
pull
Entries 52
Mean 5.663e+08
Std Dev 5.663e+08
×10¹⁵
2000
0
−2000
−4000
−6000
−8000

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

dit_sam2_coil3_err_mean vs run

dit_sam2_coil3_Ndata_mean vs run

dit_sam3_coil3_mean vs run
χ² / ndf 7.328e+37 / 51
p0 5488 ± 1.387e−16
pull
Entries 52
Mean −1.935e+08
Std Dev 1.935e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil3_err_mean vs run
χ² / ndf 2.428e+35 / 51
p0 244.6 ± 1.387e−16
pull
Entries 52
Mean 1.702e+08
Std Dev 1.702e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil3_Ndata_mean vs run

dit_sam4_coil3_mean vs run

dit_sam4_coil3_err_mean vs run
χ² / ndf 6.289e+35 / 51
p0 379 ± 1.387e−16
pull
Entries 52
Mean 7.965e+08
Std Dev 7.965e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil3_Ndata_mean vs run

dit_sam5_coil3_mean vs run
χ² / ndf 1.071e+36 / 51
p0 668.2 ± 1.387e−16
pull
Entries 52
Mean 1.298e+09
Std Dev 1.298e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil3_err_mean vs run
χ² / ndf 2.521e+34 / 51
p0 71.37 ± 1.387e−16
pull
Entries 52
Mean 1.595e+09
Std Dev 1.595e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil3_Ndata_mean vs run

dit_sam6_coil3_mean vs run
χ^2 / ndf 7.26e+36 / 51
p0 –1495 ± 1.387e–16
0
–500
–1000
–1500
–2000
pull
Entries 52
Mean –2.488e+09
Std Dev 2.488e+09
1500
1000
500
0
–500

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

dit_sam6_coil3_err_mean vs run
χ² / ndf 4.677e+34 / 51
p0 114.8 ± 1.387e−16
pull
Entries 52
Mean −6.29e+08
Std Dev 6.29e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil3_Ndata_mean vs run

dit_sam7_coil3_mean vs run
χ² / ndf 1.607e+37 / 51
p0 2689 ± 1.387e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 52
Mean 6.977e+08
Std Dev 6.977e+08
×10¹⁵
500
0
−500
−1000
−1500
−2000
−2500

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

dit_sam7_coil3_err_mean vs run
χ² / ndf 3.205e+34 / 51
p0 89.3 ± 1.387e−16
pull
Entries 52
Mean −2.924e+08
Std Dev 2.924e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil3_Ndata_mean vs run

dit_sam8_coil3_mean vs run
χ² / ndf 1.036e+37 / 51
p0 2096 ± 1.387e−16
2500
2000
1500
1000
500
0
pull
Entries 52
Mean −1.047e+09
Std Dev 1.047e+09
×10¹⁵
500
0
−500
−1000
−1500
−2000

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

dit_sam8_coil3_err_mean vs run
χ² / ndf 1.461e+34 / 51
p0 65.63 ± 1.387e−16
pull
Entries 52
Mean −9.757e+08
Std Dev 9.757e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil3_Ndata_mean vs run

dit_4aX_coil7_mean vs run
χ² / ndf 3.094e+35 / 51
p0 267.4 ± 1.387e−16
pull
Entries 52
Mean −1.415e+09
Std Dev 1.415e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil7_err_mean vs run

dit_4aX_coil7_Ndata_mean vs run

dit_4eX_coil7_mean vs run
χ² / ndf 2.605e+35 / 51
p0 245.3 ± 1.387e−16
pull
Entries 52
Mean 3.721e+08
Std Dev 3.721e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eX_coil7_err_mean vs run

dit_4eX_coil7_Ndata_mean vs run

dit_11X12X_coil7_mean vs run

dit_11X12X_coil7_err_mean vs run

dit_11X12X_coil7_Ndata_mean vs run

dit_4aY_coil7_mean vs run

dit_4aY_coil7_err_mean vs run

dit_4aY_coil7_Ndata_mean vs run

dit_4eY_coil7_mean vs run
χ² / ndf 3.078e+32 / 51
p0 −7.758 ± 1.387e−16
pull
Entries 52
Mean −1.761e+09
Std Dev 1.761e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil7_err_mean vs run

dit_4eY_coil7_Ndata_mean vs run

dit_usl_coil7_mean vs run
χ² / ndf 2.696e+37 / 51
p0 1862 ± 1.387e−16
3000
2500
2000
1500
1000
500
0
pull
Entries 52
Mean 5.145e+09
Std Dev 5.145e+09
×10¹⁵
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil7_err_mean vs run

dit_usl_coil7_Ndata_mean vs run

dit_usr_coil7_mean vs run
χ² / ndf inf / 51
p0 3.158e+04 ± 1.387e−16
40000
35000
30000
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean −2.754e+09
Std Dev 2.754e+09
×10¹⁸
5
0
−5
−10
−15
−20
−25
−30

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

dit_usr_coil7_err_mean vs run
χ² / ndf 2.006e+36 / 51
p0 665.3 ± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean 1.691e+07
Std Dev 1.691e+07
×10¹⁵
200
0
−200
−400
−600

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

dit_usr_coil7_Ndata_mean vs run
χ² / ndf 6.384e+36 / 51
p0 1157 ± 1.387e−16
pull
Entries 52
Mean 3.797e+08
Std Dev 3.797e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil7_mean vs run
χ² / ndf inf / 51
p0 1.849e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean −3.174e+08
Std Dev 3.174e+08
×10¹⁸
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil7_err_mean vs run
χ² / ndf 8.438e+35 / 51
p0 547.3 ± 1.387e−16
700
600
500
400
300
200
100
0
pull
Entries 52
Mean 3.818e+07
Std Dev 3.818e+07
×10¹⁵
100
0
−100
−200
−300
−400
−500

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

dit_atl1_coil7_Ndata_mean vs run

dit_atl2_coil7_mean vs run
χ² / ndf inf / 51
p0 6.768e+04 ± 1.387e−16
80000
70000
60000
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean 2.814e+09
Std Dev 2.814e+09
×10¹⁸
10
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil7_err_mean vs run

dit_atl2_coil7_Ndata_mean vs run

dit_atr1_coil7_mean vs run

dit_atr1_coil7_err_mean vs run
χ² / ndf 9.203e+35 / 51
p0 549.4 ± 1.387e−16
pull
Entries 52
Mean 3.829e+08
Std Dev 3.829e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil7_Ndata_mean vs run

dit_atr2_coil7_mean vs run
×10^3
χ² / ndf inf / 51
p0 1.318e+05 ± 1.387e−16
pull
Entries 52
Mean −2.766e+09
Std Dev 2.766e+09
×10^18

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil7_err_mean vs run

dit_atr2_coil7_Ndata_mean vs run

dit_sam1_coil7_mean vs run
χ² / ndf 2.385e+37 / 51
p0 −2589 ± 1.387e−16
0
−500
−1000
−1500
−2000
−2500
−3000
−3500
pull
Entries 52
Mean 1.365e+08
Std Dev 1.365e+08
×10¹⁵
2500
2000
1500
1000
500
0
−500
−1000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_coil7_err_mean vs run
χ² / ndf 4.391e+35 / 51
p0 157.1± 1.387e−16
pull
Entries 52
Mean 1.677e+09
Std Dev 1.677e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil7_Ndata_mean vs run

dit_sam2_coil7_mean vs run
χ2 / ndf inf / 51
p0 −5.404e+04 ± 1.387e−16
0
−10000
−20000
−30000
−40000
−50000
−60000
pull
Entries 52
Mean 3.327e+09
Std Dev 3.327e+09
×10^18
50
40
30
20
10
0
−10
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_coil7_err_mean vs run
χ² / ndf 7.947e+36 / 51
p0 1401± 1.387e−16
pull
Entries 52
Mean −3.388e+08
Std Dev 3.388e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil7_Ndata_mean vs run

dit_sam3_coil7_mean vs run
χ2 / ndf inf / 51
p0 −3.543e+04 ± 1.387e−16
0
−10000
−20000
−30000
−40000
pull
Entries 52
Mean −8.17e+08
Std Dev 8.17e+08
×10^18
35
30
25
20
15
10
5
0
−5
−10
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_coil7_err_mean vs run

dit_sam3_coil7_Ndata_mean vs run

dit_sam4_coil7_mean vs run
χ² / ndf inf / 51
p0 −5.666e+04 ± 1.387e−16
pull
Entries 52
Mean 2.909e+09
Std Dev 2.909e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil7_err_mean vs run

dit_sam4_coil7_Ndata_mean vs run

dit_sam5_coil7_mean vs run
χ² / ndf 5.181e+36 / 51
p0 −1058 ± 1.387e−16
pull
Entries 52
Mean −1.492e+08
Std Dev 1.492e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil7_err_mean vs run
χ² / ndf 2.799e+36 / 51
p0 332.7 ± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean 2.691e+08
Std Dev 2.691e+08
×10¹⁵
600
400
200
0
−200

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

dit_sam5_coil7_Ndata_mean vs run

dit_sam6_coil7_mean vs run
χ² / ndf inf / 51
p0 1.269e+04 ± 1.387e−16
pull
Entries 52
Mean −1.345e+09
Std Dev 1.345e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil7_err_mean vs run
χ² / ndf 8.663e+35 / 51
p0 426.1± 1.387e−16
pull
Entries 52
Mean −1.111e+10
Std Dev 1.111e+10
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil7_Ndata_mean vs run

dit_sam7_coil7_mean vs run
χ2 / ndf inf / 51
p0 −1.063e+04 ± 1.387e−16
0
−2000
−4000
−6000
−8000
−10000
−12000
pull
Entries 52
Mean −4.577e+08
Std Dev 4.577e+08
×10^15
10000
8000
6000
4000
2000
0
−2000

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

dit_sam7_coil7_err_mean vs run
χ² / ndf 7.527e+35 / 51
p0 304.9 ± 1.387e−16
500
400
300
200
100
0
pull
Entries 52
Mean −7.832e+08
Std Dev 7.832e+08
200
100
0
−100
−200
−300

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

dit_sam7_coil7_Ndata_mean vs run

dit_sam8_coil7_mean vs run
χ² / ndf 2.697e+38 / 51
p0 –8243 ± 1.387e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 52
Mean 4.657e+08
Std Dev 4.657e+08
×10^15
8000
6000
4000
2000
0
–2000
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam8_coil7_err_mean vs run
χ² / ndf 3.514e+35 / 51
p0 221.3 ± 1.387e−16
pull
Entries 52
Mean −4.853e+08
Std Dev 4.853e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil7_Ndata_mean vs run

dit_4aX_coil4_mean vs run
χ² / ndf 4.905e+32 / 51
p0 −2.589 ± 1.387e−16
pull
Entries 52
Mean 1.177e+09
Std Dev 1.177e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aX_coil4_err_mean vs run

dit_4aX_coil4_Ndata_mean vs run

dit_4eX_coil4_mean vs run

dit_4eX_coil4_err_mean vs run

dit_4eX_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_11X12X_coil4_mean vs run

dit_11X12X_coil4_err_mean vs run

dit_11X12X_coil4_Ndata_mean vs run

dit_4aY_coil4_mean vs run

dit_4aY_coil4_err_mean vs run

dit_4aY_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4eY_coil4_mean vs run
χ² / ndf 7.996e+34 / 51
p0 160.2 ± 1.387e−16
pull
Entries 52
Mean 8.428e+08
Std Dev 8.428e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil4_err_mean vs run

dit_4eY_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_coil4_mean vs run
χ² / ndf 4.056e+37 / 51
p0 3927 ± 1.387e−16
4000
3000
2000
1000
0
pull
Entries 52
Mean 2.112e+08
Std Dev 2.112e+08
×10¹⁵
0
−1000
−2000
−3000
−4000

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

dit_usl_coil4_err_mean vs run
χ² / ndf 1.997e+35 / 51
p0 229 ± 1.387e−16
pull
Entries 52
Mean −1.309e+09
Std Dev 1.309e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_usr_coil4_mean vs run
χ² / ndf 5.875e+37 / 51
p0 3391± 1.387e−16
pull
Entries 52
Mean 1.043e+09
Std Dev 1.043e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil4_err_mean vs run
χ² / ndf 6.936e+35 / 51
p0 441 ± 1.387e−16
pull
Entries 52
Mean −1.791e+09
Std Dev 1.791e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usr_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atl1_coil4_mean vs run
χ² / ndf 3.071e+36 / 51
p0 −937.5 ± 1.387e−16
pull
Entries 52
Mean 5.396e+08
Std Dev 5.396e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil4_err_mean vs run

dit_atl1_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atl2_coil4_mean vs run
χ² / ndf inf / 51
p0 1.901e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean 6.536e+08
Std Dev 6.536e+08
×10¹⁸
0
−5
−10
−15
−20
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_coil4_err_mean vs run
χ² / ndf 3.806e+36 / 51
p0 1080 ± 1.387e−16
1400
1200
1000
800
600
400
200
0
pull
Entries 52
Mean 2.034e+07
Std Dev 2.034e+07
×10¹⁵
200
0
−200
−400
−600
−800
−1000

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

dit_atl2_coil4_Ndata_mean vs run
χ^2 / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atr1_coil4_mean vs run
χ² / ndf 1.28e+37 / 51
p0 −953.4 ± 1.387e−16
pull
Entries 52
Mean 7.95e+08
Std Dev 7.95e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil4_err_mean vs run
χ² / ndf 3.96e+35 / 51
p0 379.8 ± 1.387e−16
pull
Entries 52
Mean −2.023e+10
Std Dev 2.023e+10

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_atr2_coil4_mean vs run
χ² / ndf inf / 51
p0 2.389e+04 ± 1.387e−16
30000
25000
20000
15000
10000
5000
0
pull
Entries 52
Mean −5.958e+08
Std Dev 5.958e+08
×10¹⁸
5
0
−5
−10
−15
−20
−25
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_coil4_err_mean vs run
χ^2 / ndf 1.081e+37 / 51
p0 1822 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.159e+09
Std Dev 1.159e+09
500
0
−500
−1000
−1500

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

dit_atr2_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam1_coil4_mean vs run

dit_sam1_coil4_err_mean vs run
χ² / ndf 5.257e+35 / 51
p0 131.9 ± 1.387e−16
pull
Entries 52
Mean −2.024e+09
Std Dev 2.024e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam2_coil4_mean vs run
χ2 / ndf inf / 51
p0 −3.363e+04 ± 1.387e−16
pull
Entries 52
Mean 1.361e+09
Std Dev 1.361e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil4_err_mean vs run
χ^2 / ndf 5.479e+36 / 51
p0 1002 ± 1.387e−16
pull
Entries 52
Mean −1.079e+09
Std Dev 1.079e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam2_coil4_Ndata_mean vs run
χ^2 / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10^15
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam3_coil4_mean vs run
χ^2 / ndf 3.705e+37 / 51
p0 4162 ± 1.387e−16
5000
4000
3000
2000
1000
0
pull
Entries 52
Mean −5.391e+08
Std Dev 5.391e+08
×10^15
0
−1000
−2000
−3000
−4000

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

dit_sam3_coil4_err_mean vs run
χ^2 / ndf 1.167e+36 / 51
p0 540.9 ± 1.387e−16
pull
Entries 52
Mean −2.238e+08
Std Dev 2.238e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam4_coil4_mean vs run
χ² / ndf inf / 51
p0 4.47e+04 ± 1.387e−16
50000
40000
30000
20000
10000
0
pull
Entries 52
Mean −3.514e+08
Std Dev 3.514e+08
×10¹⁸
0
−10
−20
−30
−40
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil4_err_mean vs run
χ² / ndf 3.584e+36 / 51
p0 844.5 ± 1.387e−16
pull
Entries 52
Mean −4.905e+08
Std Dev 4.905e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam4_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam5_coil4_mean vs run
χ² / ndf inf / 51
p0 2.562e+04 ± 1.387e−16
pull
Entries 52
Mean 1.55e+09
Std Dev 1.55e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil4_err_mean vs run
χ² / ndf 2.539e+36 / 51
p0 284.2 ± 1.387e−16
pull
Entries 52
Mean 1.138e+09
Std Dev 1.138e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam6_coil4_mean vs run
χ² / ndf inf / 51
p0 1.702e+04 ± 1.387e−16
20000
15000
10000
5000
0
pull
Entries 52
Mean −6.853e+09
Std Dev 6.853e+09
×10¹⁸
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil4_err_mean vs run
χ² / ndf 1.083e+36 / 51
p0 339.9 ± 1.387e−16
pull
Entries 52
Mean 1.029e+09
Std Dev 1.029e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_sam7_coil4_mean vs run
χ² / ndf 5.232e+36 / 51
p0 –1198 ± 1.387e–16
pull
Entries 52
Mean 2.861e+08
Std Dev 2.861e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil4_err_mean vs run
χ² / ndf 4.747e+35 / 51
p0 200.3 ± 1.387e−16
pull
Entries 52
Mean −9.802e+08
Std Dev 9.802e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil4_Ndata_mean vs run

dit_sam8_coil4_mean vs run
χ² / ndf 1.752e+37 / 51
p0 2003 ± 1.387e−16
pull
Entries 52
Mean 3.358e+09
Std Dev 3.358e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil4_err_mean vs run
χ² / ndf 1.483e+35 / 51
p0 136.4 ± 1.387e−16
pull
Entries 52
Mean 6.673e+08
Std Dev 6.673e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil4_Ndata_mean vs run
χ² / ndf 8.529e+36 / 51
p0 1246 ± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean −1.164e+07
Std Dev 1.164e+07
×10¹⁵
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200

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

dit_4aX_coil6_mean vs run

dit_4aX_coil6_err_mean vs run

dit_4aX_coil6_Ndata_mean vs run

dit_4eX_coil6_mean vs run

dit_4eX_coil6_err_mean vs run

dit_4eX_coil6_Ndata_mean vs run

dit_11X12X_coil6_mean vs run

dit_11X12X_coil6_err_mean vs run

dit_11X12X_coil6_Ndata_mean vs run

dit_4aY_coil6_mean vs run
χ^2 / ndf 2.532e+33 / 51
p0 33.81± 1.387e−16
pull
Entries 52
Mean 1.148e+08
Std Dev 1.148e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_4aY_coil6_err_mean vs run

dit_4aY_coil6_Ndata_mean vs run

dit_4eY_coil6_mean vs run
χ² / ndf 1.331e+33 / 51
p0 −25.1 ± 1.387e−16
pull
Entries 52
Mean −8.599e+07
Std Dev 8.599e+07
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil6_err_mean vs run
χ² / ndf 2.782e+31 / 51
p0 0.7323 ± 1.387e−16
pull
Entries 52
Mean 1.412e+09
Std Dev 1.412e+09
pull1D
Entries 52
Mean 0
Std Dev 0

dit_4eY_coil6_Ndata_mean vs run

dit_usl_coil6_mean vs run
χ² / ndf 3.628e+36 / 51
p0 –1269 ± 1.387e–16
0
–200
–400
–600
–800
–1000
–1200
–1400
pull
Entries 52
Mean 1.821e+08
Std Dev 1.821e+08
×10¹⁵
1200
1000
800
600
400
200
0
–200

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

dit_usl_coil6_err_mean vs run
χ² / ndf 6.738e+35 / 51
p0 156.5 ± 1.387e−16
pull
Entries 52
Mean −7.885e+08
Std Dev 7.885e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_usl_coil6_Ndata_mean vs run

dit_usr_coil6_mean vs run
χ² / ndf 2.027e+36 / 51
p0 −640.2 ± 1.387e−16
0
−200
−400
−600
−800
pull
Entries 52
Mean 6.748e+08
Std Dev 6.748e+08
×10¹⁵
600
500
400
300
200
100
0
−100
−200

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

dit_usr_coil6_err_mean vs run

dit_usr_coil6_Ndata_mean vs run

dit_atl1_coil6_mean vs run
χ² / ndf 3.513e+36 / 51
p0 757.1± 1.387e−16
1000
800
600
400
200
0
pull
Entries 52
Mean 7.207e+08
Std Dev 7.207e+08
×10¹⁵
200
0
−200
−400
−600
−800

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

dit_atl1_coil6_err_mean vs run
χ² / ndf 1.139e+35 / 51
p0 199.7 ± 1.387e−16
pull
Entries 52
Mean 2.876e+08
Std Dev 2.876e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl1_coil6_Ndata_mean vs run

dit_atl2_coil6_mean vs run
χ² / ndf 6.696e+37 / 51
p0 –5504 ± 1.387e–16
0
–1000
–2000
–3000
–4000
–5000
–6000
pull
Entries 52
Mean –4.362e+07
Std Dev 4.362e+07
×10¹⁵
5000
4000
3000
2000
1000
0

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

dit_atl2_coil6_err_mean vs run
χ² / ndf 4.197e+36 / 51
p0 575.5 ± 1.387e−16
pull
Entries 52
Mean 1.513e+10
Std Dev 1.513e+10

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atl2_coil6_Ndata_mean vs run

dit_atr1_coil6_mean vs run
χ² / ndf 1.055e+36 / 51
p0 475.1± 1.387e−16
pull
Entries 52
Mean −1.106e+08
Std Dev 1.106e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil6_err_mean vs run
χ² / ndf 2.552e+35 / 51
p0 221.9 ± 1.387e−16
pull
Entries 52
Mean 3.387e+09
Std Dev 3.387e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr1_coil6_Ndata_mean vs run

dit_atr2_coil6_mean vs run
χ² / ndf 9.234e+37 / 51
p0 −6255 ± 1.387e−16
pull
Entries 52
Mean −2.842e+08
Std Dev 2.842e+08
pull1D
Entries 52
Mean 0
Std Dev 0

dit_atr2_coil6_err_mean vs run

dit_atr2_coil6_Ndata_mean vs run

dit_sam1_coil6_mean vs run
χ^2 / ndf 9.728e+36 / 51
p0 −2095 ± 1.387e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 52
Mean −3.221e+07
Std Dev 3.221e+07
×10^15
2000
1500
1000
500
0

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

dit_sam1_coil6_err_mean vs run
χ² / ndf 4.619e+34 / 51
p0 54.43 ± 1.387e−16
pull
Entries 52
Mean −5.801e+08
Std Dev 5.801e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam1_coil6_Ndata_mean vs run

dit_sam2_coil6_mean vs run
χ² / ndf 6.413e+37 / 51
p0 5397 ± 1.387e−16
6000
5000
4000
3000
2000
1000
0
pull
Entries 52
Mean −3.684e+08
Std Dev 3.684e+08
×10¹⁵
0
−1000
−2000
−3000
−4000
−5000

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

dit_sam2_coil6_err_mean vs run

dit_sam2_coil6_Ndata_mean vs run

dit_sam3_coil6_mean vs run
χ² / ndf 7.022e+36 / 51
p0 –1647 ± 1.387e–16
0
–500
–1000
–1500
–2000
pull
Entries 52
Mean 4.224e+08
Std Dev 4.224e+08
×10¹⁵
1500
1000
500
0
–500
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam3_coil6_err_mean vs run
χ^2 / ndf 2.494e+36 / 51
p0 371.6 ± 1.387e−16
pull
Entries 52
Mean 2.477e+09
Std Dev 2.477e+09

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam3_coil6_Ndata_mean vs run

dit_sam4_coil6_mean vs run
χ² / ndf 2.023e+38 / 51
p0 –9527 ± 1.387e–16
0
–2000
–4000
–6000
–8000
–10000
pull
Entries 52
Mean 2.9e+08
Std Dev 2.9e+08
10000
8000
6000
4000
2000
0
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_sam4_coil6_err_mean vs run
χ² / ndf 1.328e+37 / 51
p0 605.1± 1.387e−16
2000
1500
1000
500
0
pull
Entries 52
Mean 1.396e+09
Std Dev 1.396e+09
×10¹⁵
1400
1200
1000
800
600
400
200
0
−200
−400
−600
pull1D
Entries 52
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_coil6_Ndata_mean vs run

dit_sam5_coil6_mean vs run
χ² / ndf 1.014e+37 / 51
p0 −2091 ± 1.387e−16
0
−500
−1000
−1500
−2000
−2500
pull
Entries 52
Mean −3.552e+08
Std Dev 3.552e+08
×10¹⁵
2000
1500
1000
500
0

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

dit_sam5_coil6_err_mean vs run
χ² / ndf 7.666e+35 / 51
p0 130.7 ± 1.387e−16
pull
Entries 52
Mean −7.571e+08
Std Dev 7.571e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam5_coil6_Ndata_mean vs run

dit_sam6_coil6_mean vs run
χ^2 / ndf 3.004e+36 / 51
p0 –1137 ± 1.387e–16
pull
Entries 52
Mean –1.359e+08
Std Dev 1.359e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil6_err_mean vs run
χ² / ndf 6.723e+34 / 51
p0 140.6 ± 1.387e−16
pull
Entries 52
Mean −2.675e+08
Std Dev 2.675e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam6_coil6_Ndata_mean vs run

dit_sam7_coil6_mean vs run
χ² / ndf 4.684e+35 / 51
p0 454.6 ± 1.387e−16
pull
Entries 52
Mean 1.965e+07
Std Dev 1.965e+07

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam7_coil6_err_mean vs run
χ² / ndf 1.33e+35 / 51
p0 116.1± 1.387e−16
200
150
100
50
0
pull
Entries 52
Mean 7.101e+07
Std Dev 7.101e+07
×10¹⁵
100
50
0
−50
−100

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

dit_sam7_coil6_Ndata_mean vs run

dit_sam8_coil6_mean vs run
χ² / ndf 2.611e+37 / 51
p0 –3478 ± 1.387e–16
pull
Entries 52
Mean 3.266e+08
Std Dev 3.266e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil6_err_mean vs run
χ² / ndf 1.302e+35 / 51
p0 90.49 ± 1.387e−16
pull
Entries 52
Mean −4.65e+08
Std Dev 4.65e+08

pull1D
Entries 52
Mean 0
Std Dev 0

dit_sam8_coil6_Ndata_mean vs run

dit_run_mean vs run
χ^2 / ndf 6.808e+07 / 51
p0 5721 ± 160.2
6000
5000
4000
3000
2000
1000
0

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

dit_run_rms vs run
χ2 / ndf 6.808e+07 / 51
p0 5721 ± 160.2
6000
5000
4000
3000
2000
1000
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 1
5943. 2
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5944. 4
5944. 5
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5952. 6
5953. 0
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 3
5954. 4
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5955. 4
5955. 5
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

dit_slug_slope vs run
χ² / ndf 1.05e−26 / 51
p0 118 ± 1.99e−15
119
118.8
118.6
118.4
118.2
118

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

dit_cyclenum_mean vs run
χ^2 / ndf 5.266e+07 / 51
p0 5031 ± 140.9
5000
4000
3000
2000
1000
0

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

dit_cyclenum_rms vs run
χ2 / ndf 5.266e+07 / 51
p0 5031 ± 140.9
5000
4000
3000
2000
1000
0
5942. 0
5942. 1
5942. 2
5942. 3
5942. 4
5942. 5
5943. 0
5943. 3
5943. 4
5943. 5
5944. 0
5944. 1
5944. 2
5944. 3
5950. 0
5952. 0
5952. 1
5952. 2
5952. 3
5952. 4
5952. 5
5953. 1
5953. 2
5953. 3
5953. 4
5954. 0
5954. 1
5954. 2
5954. 5
5954. 6
5954. 7
5955. 0
5955. 1
5955. 2
5955. 3
5956. 0
5956. 1
5956. 2
5956. 3
5956. 4
5956. 5
5957. 0

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

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

dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 51
p0 0 ± 0.1387
1
0.8
0.6
0.4
0.2
0

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

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 1.923 / 51
p0 0.9615 ± 0.02693
1
0.8
0.6
0.4
0.2
0

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

dit_flag_rms vs run

reg_asym_sam1_diff_bpm4aX_slope vs run
χ² / ndf 2.508 / 51
p0 −12.96 ± 1.03
pull
Entries 52
Mean −71.38
Std Dev 112.1

pull1D
Entries 52
Mean −0.005801
Std Dev 0.2195

reg_asym_sam1_diff_bpm4aY_slope vs run
χ^2 / ndf 4.042 / 51
p0 −57.03 ± 0.3819
pull
Entries 52
Mean 116.5
Std Dev 112.9

pull1D
Entries 52
Mean −0.002639
Std Dev 0.2788

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 4.389 / 51
p0 1.825 ± 1.093
pull
Entries 52
Mean 209
Std Dev 190.1

pull1D
Entries 52
Mean 0.01009
Std Dev 0.2904

reg_asym_sam1_diff_bpm4eY_slope vs run
χ^2 / ndf 4.8 / 51
p0 15.57 ± 0.497
pull
Entries 52
Mean −88.16
Std Dev 114.1

pull1D
Entries 52
Mean 0.00293
Std Dev 0.3038

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 2.039 / 51
p0 0.2165 ± 0.0454
pull
Entries 52
Mean −189.6
Std Dev 219

pull1D
Entries 52
Mean −0.005599
Std Dev 0.1979

reg_asym_sam2_diff_bpm4aX_slope vs run
χ^2 / ndf 1.038 / 51
p0 −117.1 ± 8.84
pull
Entries 52
Mean 517.5
Std Dev 499.1

pull1D
Entries 52
Mean −0.001405
Std Dev 0.1413

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 2.622 / 51
p0 −14.2 ± 3.28
pull
Entries 52
Mean 182.6
Std Dev 155.9

pull1D
Entries 52
Mean 0.002204
Std Dev 0.2245

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 1.107 / 51
p0 −99.54 ± 9.38
pull
Entries 52
Mean −3.964
Std Dev 42.05

pull1D
Entries 52
Mean −0.003047
Std Dev 0.1459

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 3.024 / 51
p0 −182.4 ± 4.279
pull
Entries 52
Mean 130.3
Std Dev 108.8
pull1D
Entries 52
Mean −0.004375
Std Dev 0.2411

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 0.8384 / 51
p0 −0.5951± 0.3896
pull
Entries 52
Mean 637.2
Std Dev 604.7

pull1D
Entries 52
Mean 0.0005232
Std Dev 0.127

reg_asym_sam3_diff_bpm4aX_slope vs run
χ² / ndf 0.6235 / 51
p0 −84.42 ± 4.585
pull
Entries 52
Mean −49.57
Std Dev 91.4
pull1D
Entries 52
Mean −0.001365
Std Dev 0.1095

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.678 / 51
p0 3.35 ± 1.702
pull
Entries 52
Mean −249.7
Std Dev 292.3

pull1D
Entries 52
Mean 0.001492
Std Dev 0.1796

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 1.832 / 51
p0 −48.81 ± 4.865
pull
Entries 52
Mean 170.6
Std Dev 144.5

pull1D
Entries 52
Mean −0.01348
Std Dev 0.1872

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 2.556 / 51
p0 15.61 ± 2.221
pull
Entries 52
Mean 48.78
Std Dev 70.61

pull1D
Entries 52
Mean −0.004656
Std Dev 0.2217

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 3.454 / 51
p0 −0.331 ± 0.2021
pull
Entries 52
Mean 169
Std Dev 145.7

pull1D
Entries 52
Mean −0.0192
Std Dev 0.257

reg_asym_sam4_diff_bpm4aX_slope vs run
χ² / ndf 0.807 / 51
p0 −83.83 ± 7.132
pull
Entries 52
Mean 362.2
Std Dev 333.5

pull1D
Entries 52
Mean 0.002605
Std Dev 0.1246

reg_asym_sam4_diff_bpm4aY_slope vs run
χ2 / ndf 7.457 / 51
p0 10.87 ± 2.644
pull
Entries 52
Mean −4500
Std Dev 4527

pull1D
Entries 52
Mean 0.0005517
Std Dev 0.3787

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.892 / 51
p0 −127.4 ± 7.568
pull
Entries 52
Mean 279.1
Std Dev 252.6

pull1D
Entries 52
Mean −0.008932
Std Dev 0.1905

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 12.35 / 51
p0 248.3 ± 3.448
pull
Entries 52
Mean 1066
Std Dev 1040
pull1D
Entries 52
Mean 0.004698
Std Dev 0.4874

reg_asym_sam4_diff_bpm12X_slope vs run
χ^2 / ndf 1.664 / 51
p0 −2.514 ± 0.3143
pull
Entries 52
Mean 794.9
Std Dev 769.7
pull1D
Entries 52
Mean −0.001552
Std Dev 0.1789

reg_asym_sam5_diff_bpm4aX_slope vs run
χ^2 / ndf 1.945 / 51
p0 3.927 ± 2.486
pull
Entries 52
Mean 267.7
Std Dev 242.3

pull1D
Entries 52
Mean 0.007081
Std Dev 0.1933

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 14.12 / 51
p0 54.47 ± 0.9228
pull
Entries 52
Mean −119.8
Std Dev 146.8

pull1D
Entries 52
Mean 0.01398
Std Dev 0.521

reg_asym_sam5_diff_bpm4eX_slope vs run
χ2 / ndf 1.589 / 51
p0 −2.461 ± 2.638
pull
Entries 52
Mean 277.4
Std Dev 251.3

pull1D
Entries 52
Mean −0.004356
Std Dev 0.1748

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.36 / 51
p0 96.5 ± 1.201
pull
Entries 52
Mean −343.5
Std Dev 370.1

pull1D
Entries 52
Mean −0.01292
Std Dev 0.594

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 1.846 / 51
p0 −0.3595 ± 0.1096
pull
Entries 52
Mean −543.4
Std Dev 573.1

pull1D
Entries 52
Mean 0.001036
Std Dev 0.1884

reg_asym_sam6_diff_bpm4aX_slope vs run
χ^2 / ndf 0.9784 / 51
p0 39.11 ± 2.782
pull
Entries 52
Mean 560.5
Std Dev 535.7

pull1D
Entries 52
Mean 0.001762
Std Dev 0.1372

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 12.83 / 51
p0 49.09 ± 1.03
pull
Entries 52
Mean −533.6
Std Dev 563.4

pull1D
Entries 52
Mean 0.005071
Std Dev 0.4967

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 1.842 / 51
p0 14.2 ± 2.952
pull
Entries 52
Mean 431
Std Dev 406.9

pull1D
Entries 52
Mean −0.005005
Std Dev 0.1881

reg_asym_sam6_diff_bpm4eY_slope vs run
χ2 / ndf 12.57 / 51
p0 46.39 ± 1.343
pull
Entries 52
Mean −260.6
Std Dev 295.7
pull1D
Entries 52
Mean −0.006832
Std Dev 0.4917

reg_asym_sam6_diff_bpm12X_slope vs run
χ^2 / ndf 0.9774 / 51
p0 0.03854 ± 0.1225
pull
Entries 52
Mean 81.43
Std Dev 84.4

pull1D
Entries 52
Mean 0.001361
Std Dev 0.1371

reg_asym_sam7_diff_bpm4aX_slope vs run
χ^2 / ndf 2.071 / 51
p0 23.72 ± 1.481
pull
Entries 52
Mean 4148
Std Dev 4123

pull1D
Entries 52
Mean −0.0004053
Std Dev 0.1996

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 1.178 / 51
p0 9.941 ± 0.5488
pull
Entries 52
Mean 494.8
Std Dev 465.2

pull1D
Entries 52
Mean −0.002761
Std Dev 0.1505

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 1.793 / 51
p0 −69.96 ± 1.571
pull
Entries 52
Mean −405.4
Std Dev 431.1

pull1D
Entries 52
Mean −0.002531
Std Dev 0.1857

reg_asym_sam7_diff_bpm4eY_slope vs run
χ^2 / ndf 1.907 / 51
p0 −17.35 ± 0.7162
pull
Entries 52
Mean 405.5
Std Dev 377.5

pull1D
Entries 52
Mean 0.005723
Std Dev 0.1914

reg_asym_sam7_diff_bpm12X_slope vs run
χ^2 / ndf 3.72 / 51
p0 −0.7484 ± 0.06525
pull
Entries 52
Mean −100.6
Std Dev 128.4

pull1D
Entries 52
Mean 0.007073
Std Dev 0.2674

reg_asym_sam8_diff_bpm4aX_slope vs run
χ² / ndf 1.345 / 51
p0 14.98 ± 1.09
pull
Entries 52
Mean 235.9
Std Dev 194.4
pull1D
Entries 52
Mean 0.001027
Std Dev 0.1608

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.845 / 51
p0 −45.86 ± 0.403
pull
Entries 52
Mean −305.3
Std Dev 331.3

pull1D
Entries 52
Mean 0.007166
Std Dev 0.3052

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2.77 / 51
p0 −50.29 ± 1.156
pull
Entries 52
Mean 1257
Std Dev 1236

pull1D
Entries 52
Mean 0.0013
Std Dev 0.2308

reg_asym_sam8_diff_bpm4eY_slope vs run
χ^2 / ndf 4.011 / 51
p0 53.86 ± 0.5259
pull
Entries 52
Mean 703.9
Std Dev 686.2

pull1D
Entries 52
Mean −0.001854
Std Dev 0.2777

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 5.402 / 51
p0 −0.6408 ± 0.04801
pull
Entries 52
Mean −37.31
Std Dev 62.23

pull1D
Entries 52
Mean 0.01074
Std Dev 0.3221

reg_asym_usl_diff_bpm4aX_slope vs run
χ² / ndf 45.83 / 51
p0 −104 ± 2.8
pull
Entries 52
Mean −1355
Std Dev 1388

pull1D
Entries 52
Mean −0.001013
Std Dev 0.9388

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 45.13 / 51
p0 4.081 ± 1.034
pull
Entries 52
Mean −33.77
Std Dev 59.65

pull1D
Entries 52
Mean −0.01259
Std Dev 0.9315

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 46.36 / 51
p0 54.51 ± 2.971
pull
Entries 52
Mean −1384
Std Dev 1415

pull1D
Entries 52
Mean 0.001116
Std Dev 0.9442

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 45.77 / 51
p0 14.85 ± 1.347
pull
Entries 52
Mean 67.25
Std Dev 41.14

pull1D
Entries 52
Mean 0.004259
Std Dev 0.9382

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 60.91 / 51
p0 −38.56 ± 0.1233
pull
Entries 52
Mean −43.05
Std Dev 81.19

pull1D
Entries 52
Mean −0.006795
Std Dev 1.082

reg_asym_usr_diff_bpm4aX_slope vs run
χ² / ndf 13.85 / 51
p0 −89.27 ± 4.759
pull
Entries 52
Mean −404.6
Std Dev 433.4

pull1D
Entries 52
Mean −0.00208
Std Dev 0.5161

reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 13.3 / 51
p0 1.301 ± 1.763
pull
Entries 52
Mean 1515
Std Dev 1488

pull1D
Entries 52
Mean −0.001816
Std Dev 0.5058

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 13.98 / 51
p0 161.2 ± 5.05
pull
Entries 52
Mean −603.6
Std Dev 632.6

pull1D
Entries 52
Mean 0.001554
Std Dev 0.5185

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.63 / 51
p0 16.84 ± 2.3
pull
Entries 52
Mean 1.354e+04
Std Dev 1.351e+04

pull1D
Entries 52
Mean 0.0002058
Std Dev 0.512

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 22.78 / 51
p0 −37.25 ± 0.2097
pull
Entries 52
Mean −11.83
Std Dev 41.43

pull1D
Entries 52
Mean −0.01683
Std Dev 0.6617

reg_asym_dsl_diff_bpm4aX_slope vs run

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 55.71 / 51
p0 −0.1096 ± 0.07656
pull
Entries 52
Mean 10.75
Std Dev 55.04
pull1D
Entries 52
Mean −0.01743
Std Dev 1.035

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 45.63 / 51
p0 −0.04801 ± 0.2201
pull
Entries 52
Mean 215.3
Std Dev 192.9

pull1D
Entries 52
Mean 0.01234
Std Dev 0.9366

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 53.44 / 51
p0 0.1401± 0.09977
pull
Entries 52
Mean 7.222
Std Dev 51.66

pull1D
Entries 52
Mean 0.02044
Std Dev 1.014

reg_asym_dsl_diff_bpm12X_slope vs run

reg_asym_dsr_diff_bpm4aX_slope vs run
χ^2 / ndf 53.03 / 51
p0 0.2148 ± 0.2954
pull
Entries 52
Mean 40.25
Std Dev 50.42

pull1D
Entries 52
Mean −0.00651
Std Dev 1.01

reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 54.21 / 51
p0 −0.2896 ± 0.3135
pull
Entries 52
Mean 66.36
Std Dev 39.29

pull1D
Entries 52
Mean 0.005852
Std Dev 1.021

reg_asym_dsr_diff_bpm4eY_slope vs run
χ^2 / ndf 29.9 / 51
p0 0.0827 ± 0.1421
pull
Entries 52
Mean 95.9
Std Dev 23.63

pull1D
Entries 52
Mean −0.002722
Std Dev 0.7583

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 40.02 / 51
p0 −0.01797 ± 0.013
pull
Entries 52
Mean −16.98
Std Dev 50.82

pull1D
Entries 52
Mean −0.01021
Std Dev 0.8772

reg_asym_us_avg_diff_bpm4aX_slope vs run
χ² / ndf 23.67 / 51
p0 −96.62 ± 2.892
pull
Entries 52
Mean −599.2
Std Dev 629.4

pull1D
Entries 52
Mean −0.002303
Std Dev 0.6747

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.53 / 51
p0 2.705 ± 1.072
pull
Entries 52
Mean 230.6
Std Dev 203

pull1D
Entries 52
Mean −0.008709
Std Dev 0.5969

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.17 / 51
p0 107.8 ± 3.068
pull
Entries 52
Mean −719
Std Dev 748.9
pull1D
Entries 52
Mean 0.002142
Std Dev 0.6817

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ2 / ndf 20.05 / 51
p0 15.79 ± 1.397
pull
Entries 52
Mean 461.2
Std Dev 433.4

pull1D
Entries 52
Mean 0.005243
Std Dev 0.6209

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 42.12 / 51
p0 −37.9 ± 0.1274
pull
Entries 52
Mean −21.19
Std Dev 53.13

pull1D
Entries 52
Mean −0.01703
Std Dev 0.8998

reg_asym_us_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 19.33 / 51
p0 −7.416 ± 2.631
pull
Entries 52
Mean 8.55
Std Dev 32.3

pull1D
Entries 52
Mean 0.003002
Std Dev 0.6097

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.71 / 51
p0 1.528 ± 0.9723
pull
Entries 52
Mean −167.2
Std Dev 193.7
pull1D
Entries 52
Mean −0.01538
Std Dev 0.6892

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 19.11 / 51
p0 −53.25 ± 2.791
pull
Entries 52
Mean 13.4
Std Dev 30.43

pull1D
Entries 52
Mean −0.002816
Std Dev 0.6063

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.44 / 51
p0 −1.206 ± 1.268
pull
Entries 52
Mean −157.7
Std Dev 184.8

pull1D
Entries 52
Mean 0.0139
Std Dev 0.6713

reg_asym_us_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.38 / 51
p0 −0.6489 ± 0.1158
pull
Entries 52
Mean −13.94
Std Dev 38.44

pull1D
Entries 52
Mean 0.00683
Std Dev 0.6259

reg_asym_ds_avg_diff_bpm4aX_slope vs run
χ² / ndf 56.35 / 51
p0 0.1306 ± 0.1804
pull
Entries 52
Mean 149.8
Std Dev 121.7

pull1D
Entries 52
Mean −0.01294
Std Dev 1.041

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.52 / 51
p0 −0.07216 ± 0.06658
pull
Entries 52
Mean −65.71
Std Dev 81.92
pull1D
Entries 52
Mean −0.007419
Std Dev 0.8264

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.32 / 51
p0 −0.1708 ± 0.1914
pull
Entries 52
Mean 150.3
Std Dev 122.5
pull1D
Entries 52
Mean 0.01262
Std Dev 1.041

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.04 / 51
p0 0.1139 ± 0.08677
pull
Entries 52
Mean −30.26
Std Dev 14.55

pull1D
Entries 52
Mean 0.007638
Std Dev 0.797

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 37.34 / 51
p0 −0.01144 ± 0.007938
pull
Entries 52
Mean 546.7
Std Dev 517.4

pull1D
Entries 52
Mean −0.003732
Std Dev 0.8473

reg_asym_ds_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 45.73 / 51
p0 −0.08345 ± 0.1806
pull
Entries 52
Mean 588.2
Std Dev 569.8

pull1D
Entries 52
Mean −0.00257
Std Dev 0.9378

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.63 / 51
p0 −0.04158 ± 0.06669
pull
Entries 52
Mean 58.95
Std Dev 71.11
pull1D
Entries 52
Mean −0.008383
Std Dev 0.9054

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 46.82 / 51
p0 0.1179 ± 0.1917
pull
Entries 52
Mean 376.5
Std Dev 360.9

pull1D
Entries 52
Mean 0.003351
Std Dev 0.9488

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 42.07 / 51
p0 0.03196 ± 0.08691
pull
Entries 52
Mean 17.27
Std Dev 63.85

pull1D
Entries 52
Mean 0.01131
Std Dev 0.8994

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 49.45 / 51
p0 0.00654 ± 0.00795
pull
Entries 52
Mean −180.4
Std Dev 211
pull1D
Entries 52
Mean 0.01289
Std Dev 0.9751

reg_asym_left_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 45.49 / 51
p0 −51.98 ± 1.404
pull
Entries 52
Mean −739.2
Std Dev 772.9

pull1D
Entries 52
Mean −0.001568
Std Dev 0.9353

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.8 / 51
p0 1.983 ± 0.5187
pull
Entries 52
Mean −31.56
Std Dev 54.79

pull1D
Entries 52
Mean −0.0134
Std Dev 0.9176

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.83 / 51
p0 27.24 ± 1.49
pull
Entries 52
Mean −789
Std Dev 821.5

pull1D
Entries 52
Mean 0.001709
Std Dev 0.9388

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.5 / 51
p0 7.497 ± 0.6757
pull
Entries 52
Mean 52.95
Std Dev 9.634
pull1D
Entries 52
Mean 0.00542
Std Dev 0.9251

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 62.12 / 51
p0 −19.28 ± 0.06184
pull
Entries 52
Mean −3.184
Std Dev 49.97

pull1D
Entries 52
Mean −0.006055
Std Dev 1.093

reg_asym_left_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 46.19 / 51
p0 −52.01 ± 1.404
pull
Entries 52
Mean −4310
Std Dev 4341

pull1D
Entries 52
Mean −0.0003667
Std Dev 0.9425

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 46.56 / 51
p0 2.099 ± 0.5184
pull
Entries 52
Mean −36.44
Std Dev 65.01
pull1D
Entries 52
Mean −0.01169
Std Dev 0.9462

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ2 / ndf 46.88 / 51
p0 27.28 ± 1.489
pull
Entries 52
Mean −4088
Std Dev 4118

pull1D
Entries 52
Mean 0.0004239
Std Dev 0.9495

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 47.11 / 51
p0 7.351 ± 0.6753
pull
Entries 52
Mean 92.61
Std Dev 76.58

pull1D
Entries 52
Mean 0.003063
Std Dev 0.9518

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 59.59 / 51
p0 −19.28 ± 0.06181
pull
Entries 52
Mean −75.61
Std Dev 110.9
pull1D
Entries 52
Mean −0.007466
Std Dev 1.07

reg_asym_right_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.1 / 51
p0 −44.49 ± 2.384
pull
Entries 52
Mean −241.5
Std Dev 269.6

pull1D
Entries 52
Mean −0.003382
Std Dev 0.5389

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.21 / 51
p0 0.6294 ± 0.8832
pull
Entries 52
Mean 2047
Std Dev 2020

pull1D
Entries 52
Mean −0.001326
Std Dev 0.5041

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.22 / 51
p0 80.4 ± 2.529
pull
Entries 52
Mean −320.6
Std Dev 349

pull1D
Entries 52
Mean 0.002824
Std Dev 0.541

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.54 / 51
p0 8.469 ± 1.152
pull
Entries 52
Mean −1.081e+04
Std Dev 1.083e+04

pull1D
Entries 52
Mean −0.0002564
Std Dev 0.5102

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 23.6 / 51
p0 −18.63 ± 0.105
pull
Entries 52
Mean −11.91
Std Dev 41.59

pull1D
Entries 52
Mean −0.01772
Std Dev 0.6734

reg_asym_right_dd_diff_bpm4aX_slope vs run
χ² / ndf 12.9 / 51
p0 −44.78 ± 2.385
pull
Entries 52
Mean −1172
Std Dev 1201

pull1D
Entries 52
Mean −0.0007373
Std Dev 0.4981

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.52 / 51
p0 0.6702 ± 0.8836
pull
Entries 52
Mean 1269
Std Dev 1241

pull1D
Entries 52
Mean −0.002188
Std Dev 0.5099

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ2 / ndf 13.04 / 51
p0 80.76 ± 2.531
pull
Entries 52
Mean −3880
Std Dev 3909

pull1D
Entries 52
Mean 0.0002495
Std Dev 0.5008

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 13.85 / 51
p0 8.378 ± 1.152
pull
Entries 52
Mean 5053
Std Dev 5025

pull1D
Entries 52
Mean 0.0005519
Std Dev 0.5161

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 22.12 / 51
p0 −18.61 ± 0.1051
pull
Entries 52
Mean −11.84
Std Dev 41.35

pull1D
Entries 52
Mean −0.01582
Std Dev 0.652

reg_asym_sam_15_avg_diff_bpm4aX_slope vs run
χ² / ndf 4.007 / 51
p0 −4.514 ± 0.7897
pull
Entries 52
Mean 463.3
Std Dev 435.9
pull1D
Entries 52
Mean 0.006985
Std Dev 0.2775

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.33 / 51
p0 −1.279 ± 0.293
pull
Entries 52
Mean −136.3
Std Dev 162.2

pull1D
Entries 52
Mean 0.02079
Std Dev 0.7112

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.021 / 51
p0 −0.3606 ± 0.8381
pull
Entries 52
Mean −126.4
Std Dev 168.5
pull1D
Entries 52
Mean 0.003286
Std Dev 0.241

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.5 / 51
p0 56.03 ± 0.3813
pull
Entries 52
Mean −368.5
Std Dev 395.1
pull1D
Entries 52
Mean −0.01854
Std Dev 0.826

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 3.242 / 51
p0 −0.07228 ± 0.03481
pull
Entries 52
Mean 313.6
Std Dev 282.9

pull1D
Entries 52
Mean −0.000457
Std Dev 0.2497

reg_asym_sam_15_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.611 / 51
p0 −8.454 ± 1.731
pull
Entries 52
Mean 190.6
Std Dev 167.8

pull1D
Entries 52
Mean −0.006455
Std Dev 0.1759

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.848 / 51
p0 −55.75 ± 0.6427
pull
Entries 52
Mean −96.25
Std Dev 124.6
pull1D
Entries 52
Mean −0.01131
Std Dev 0.435

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ2 / ndf 1.791 / 51
p0 2.108 ± 1.838
pull
Entries 52
Mean 206.6
Std Dev 183.4

pull1D
Entries 52
Mean 0.00744
Std Dev 0.1855

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.44 / 51
p0 −40.48 ± 0.8363
pull
Entries 52
Mean −293.4
Std Dev 319.9

pull1D
Entries 52
Mean 0.01102
Std Dev 0.489

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.589 / 51
p0 0.2877 ± 0.07634
pull
Entries 52
Mean −337.9
Std Dev 367.5

pull1D
Entries 52
Mean −0.002159
Std Dev 0.1748

reg_asym_sam_37_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.5598 / 51
p0 −30.34 ± 3.026
pull
Entries 52
Mean 269.8
Std Dev 249

pull1D
Entries 52
Mean −0.001353
Std Dev 0.1037

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.217 / 51
p0 6.646 ± 1.123
pull
Entries 52
Mean −1351
Std Dev 1387

pull1D
Entries 52
Mean 0.0004596
Std Dev 0.153

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 1.185 / 51
p0 −59.42 ± 3.211
pull
Entries 52
Mean 145.9
Std Dev 119.8

pull1D
Entries 52
Mean −0.01011
Std Dev 0.1506

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.704 / 51
p0 −0.8782 ± 1.465
pull
Entries 52
Mean −240.5
Std Dev 285.4
pull1D
Entries 52
Mean −0.001718
Std Dev 0.181

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 2.445 / 51
p0 −0.5401 ± 0.1334
pull
Entries 52
Mean 208.2
Std Dev 184.5
pull1D
Entries 52
Mean −0.0126
Std Dev 0.2165

reg_asym_sam_37_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.502 / 51
p0 −54.08 ± 1.565
pull
Entries 52
Mean −868.5
Std Dev 896.6

pull1D
Entries 52
Mean −0.001048
Std Dev 0.17

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.158 / 51
p0 −3.295 ± 0.5817
pull
Entries 52
Mean 33.15
Std Dev 68.61

pull1D
Entries 52
Mean 0.003484
Std Dev 0.2464

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 4.23 / 51
p0 10.63 ± 1.661
pull
Entries 52
Mean 185.9
Std Dev 159.9

pull1D
Entries 52
Mean −0.02103
Std Dev 0.2844

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.447 / 51
p0 16.5 ± 0.7589
pull
Entries 52
Mean 136.3
Std Dev 120.6

pull1D
Entries 52
Mean −0.01093
Std Dev 0.3235

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 7.323 / 51
p0 0.2092 ± 0.06902
pull
Entries 52
Mean 139.2
Std Dev 116.4

pull1D
Entries 52
Mean −0.03194
Std Dev 0.3739

reg_asym_sam_26_avg_diff_bpm4aX_slope vs run
χ² / ndf 1.451 / 51
p0 −39 ± 3.103
pull
Entries 52
Mean 444.7
Std Dev 430.3

pull1D
Entries 52
Mean −0.001384
Std Dev 0.167

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.151 / 51
p0 17.52 ± 1.152
pull
Entries 52
Mean −795.8
Std Dev 828

pull1D
Entries 52
Mean 0.0009089
Std Dev 0.2461

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 2.016 / 51
p0 −42.46 ± 3.292
pull
Entries 52
Mean 96.84
Std Dev 64.93

pull1D
Entries 52
Mean −0.01083
Std Dev 0.1966

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.609 / 51
p0 −67.98 ± 1.503
pull
Entries 52
Mean 8.056
Std Dev 49.84

pull1D
Entries 52
Mean −0.009643
Std Dev 0.2975

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.23 / 51
p0 −0.281 ± 0.1368
pull
Entries 52
Mean 205.8
Std Dev 176

pull1D
Entries 52
Mean 0.002664
Std Dev 0.1538

reg_asym_sam_26_dd_diff_bpm4aX_slope vs run
χ2 / ndf 0.9055 / 51
p0 −78.11 ± 5.772
pull
Entries 52
Mean 533.1
Std Dev 512.9

pull1D
Entries 52
Mean −0.001478
Std Dev 0.132

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.625 / 51
p0 −31.68 ± 2.14
pull
Entries 52
Mean 542.6
Std Dev 513.6
pull1D
Entries 52
Mean 0.001817
Std Dev 0.264

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 0.9192 / 51
p0 −56.99 ± 6.125
pull
Entries 52
Mean 4281
Std Dev 4262

pull1D
Entries 52
Mean 0.0001305
Std Dev 0.133

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.626 / 51
p0 −114.4 ± 2.792
pull
Entries 52
Mean 508.2
Std Dev 479

pull1D
Entries 52
Mean −0.001669
Std Dev 0.2641

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ2 / ndf 0.7383 / 51
p0 −0.3151± 0.2544
pull
Entries 52
Mean −611.3
Std Dev 646.9

pull1D
Entries 52
Mean −0.0003611
Std Dev 0.1192

reg_asym_sam_48_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.7889 / 51
p0 −34.4 ± 4.018
pull
Entries 52
Mean 410
Std Dev 380.9

pull1D
Entries 52
Mean 0.002101
Std Dev 0.1232

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.269 / 51
p0 −17.48 ± 1.489
pull
Entries 52
Mean −2524
Std Dev 2550

pull1D
Entries 52
Mean 0.0009947
Std Dev 0.3739

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.415 / 51
p0 −88.94 ± 4.263
pull
Entries 52
Mean 321.3
Std Dev 294.3

pull1D
Entries 52
Mean −0.006035
Std Dev 0.1648

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ2 / ndf 10.15 / 51
p0 151.1 ± 1.942
pull
Entries 52
Mean 2134
Std Dev 2108
pull1D
Entries 52
Mean 0.001968
Std Dev 0.4419

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.999 / 51
p0 −1.578 ± 0.177
pull
Entries 52
Mean −4403
Std Dev 4428

pull1D
Entries 52
Mean 0.0002597
Std Dev 0.1961

reg_asym_sam_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.8713 / 51
p0 −49.43 ± 3.143
pull
Entries 52
Mean 307.1
Std Dev 278.7

pull1D
Entries 52
Mean 0.003399
Std Dev 0.1294

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 7.613 / 51
p0 28.35 ± 1.166
pull
Entries 52
Mean −6145
Std Dev 6172

pull1D
Entries 52
Mean 0.0003929
Std Dev 0.3826

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 2.729 / 51
p0 −38.42 ± 3.335
pull
Entries 52
Mean 242.3
Std Dev 216.2

pull1D
Entries 52
Mean −0.01319
Std Dev 0.2287

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.48 / 51
p0 97.14 ± 1.52
pull
Entries 52
Mean 695.2
Std Dev 669.3

pull1D
Entries 52
Mean 0.008656
Std Dev 0.5455

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 1.341 / 51
p0 −0.9368 ± 0.1385
pull
Entries 52
Mean 384.3
Std Dev 359.1

pull1D
Entries 52
Mean −0.003459
Std Dev 0.1605

reg_asym_sam_13_57_dd_diff_bpm4aX_slope vs run
χ² / ndf 1.212 / 51
p0 −31.28 ± 1.319
pull
Entries 52
Mean 61.58
Std Dev 54.34

pull1D
Entries 52
Mean −0.004416
Std Dev 0.1526

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.262 / 51
p0 −29.61 ± 0.4902
pull
Entries 52
Mean 150.1
Std Dev 125.9

pull1D
Entries 52
Mean 0.006568
Std Dev 0.2504

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ2 / ndf 1.64 / 51
p0 6.331 ± 1.4
pull
Entries 52
Mean 226.5
Std Dev 198.1

pull1D
Entries 52
Mean −0.005522
Std Dev 0.1775

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.959 / 51
p0 −11.85 ± 0.639
pull
Entries 52
Mean 226.5
Std Dev 202.3

pull1D
Entries 52
Mean −0.0145
Std Dev 0.3382

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 2.952 / 51
p0 0.246 ± 0.05817
pull
Entries 52
Mean 119.5
Std Dev 98.75

pull1D
Entries 52
Mean −0.0176
Std Dev 0.2376

reg_asym_sam_15_37_dd_diff_bpm4aX_slope vs run
χ2 / ndf 0.8695 / 51
p0 12.87 ± 1.578
pull
Entries 52
Mean 238.4
Std Dev 213.1

pull1D
Entries 52
Mean 0.005
Std Dev 0.1292

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.264 / 51
p0 −3.889 ± 0.5861
pull
Entries 52
Mean 75.2
Std Dev 71.95

pull1D
Entries 52
Mean −0.00394
Std Dev 0.1559

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ2 / ndf 1.423 / 51
p0 29.46 ± 1.674
pull
Entries 52
Mean 105.6
Std Dev 81.02

pull1D
Entries 52
Mean 0.01332
Std Dev 0.1649

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.088 / 51
p0 28.33 ± 0.7647
pull
Entries 52
Mean 175.9
Std Dev 154.8

pull1D
Entries 52
Mean 0.00885
Std Dev 0.2002

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.222 / 51
p0 0.229 ± 0.06954
pull
Entries 52
Mean 154.2
Std Dev 130.3

pull1D
Entries 52
Mean 0.01682
Std Dev 0.206

reg_asym_sam_24_68_dd_diff_bpm4aX_slope vs run
χ² / ndf 0.4597 / 51
p0 −63.78 ± 3.902
pull
Entries 52
Mean −412.8
Std Dev 414.8

pull1D
Entries 52
Mean 0.0004034
Std Dev 0.09402

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 0.3386 / 51
p0 −1.651 ± 1.447
pull
Entries 52
Mean −361.5
Std Dev 382.6

pull1D
Entries 52
Mean 0.0007244
Std Dev 0.08069

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6819 / 51
p0 −47.68 ± 4.141
pull
Entries 52
Mean 159.8
Std Dev 129.6

pull1D
Entries 52
Mean −0.005421
Std Dev 0.1144

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.151 / 51
p0 −8.656 ± 1.888
pull
Entries 52
Mean 552.7
Std Dev 528.1

pull1D
Entries 52
Mean 0.003273
Std Dev 0.1487

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 0.4842 / 51
p0 −0.6277 ± 0.1719
pull
Entries 52
Mean 368
Std Dev 348.6

pull1D
Entries 52
Mean −0.0009672
Std Dev 0.09649

reg_asym_sam_26_48_dd_diff_bpm4aX_slope vs run
χ² / ndf 3.654 / 51
p0 −2.272 ± 1.295
pull
Entries 52
Mean 346.3
Std Dev 322.4

pull1D
Entries 52
Mean −0.005895
Std Dev 0.265

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ2 / ndf 30.6 / 51
p0 17.61 ± 0.4801
pull
Entries 52
Mean −155.2
Std Dev 179.4
pull1D
Entries 52
Mean −0.01721
Std Dev 0.7669

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ2 / ndf 4.234 / 51
p0 23.09 ± 1.374
pull
Entries 52
Mean 575.3
Std Dev 550.1

pull1D
Entries 52
Mean 0.003277
Std Dev 0.2853

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.02 / 51
p0 −109.8 ± 0.625
pull
Entries 52
Mean −465.3
Std Dev 489.2
pull1D
Entries 52
Mean 0.01283
Std Dev 0.92

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.98 / 51
p0 0.6492 ± 0.05708
pull
Entries 52
Mean 1334
Std Dev 1307

pull1D
Entries 52
Mean 0.001834
Std Dev 0.3391

reg_asym_sam_1357_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.68 / 51
p0 −17.43 ± 1.549
pull
Entries 52
Mean 669.8
Std Dev 638.1

pull1D
Entries 52
Mean 0.0006953
Std Dev 0.1144

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.186 / 51
p0 2.728 ± 0.5744
pull
Entries 52
Mean −3424
Std Dev 3455

pull1D
Entries 52
Mean 0.0004169
Std Dev 0.2837

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.179 / 51
p0 −29.96 ± 1.644
pull
Entries 52
Mean 237.5
Std Dev 210

pull1D
Entries 52
Mean −0.006136
Std Dev 0.1505

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.404 / 51
p0 27.51 ± 0.7494
pull
Entries 52
Mean 1.233e+05
Std Dev 1.233e+05

pull1D
Entries 52
Mean 1.836e−05
Std Dev 0.3224

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.736 / 51
p0 −0.3114 ± 0.06829
pull
Entries 52
Mean 340.8
Std Dev 317.2

pull1D
Entries 52
Mean −0.007235
Std Dev 0.2292

reg_asym_sam_2468_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6267 / 51
p0 −36.73 ± 3.346
pull
Entries 52
Mean 204
Std Dev 154.5

pull1D
Entries 52
Mean 0.001197
Std Dev 0.1098

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.277 / 51
p0 0.08069 ± 1.241
pull
Entries 52
Mean 755.6
Std Dev 727.8

pull1D
Entries 52
Mean −0.002557
Std Dev 0.2093

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.234 / 51
p0 −65.7 ± 3.55
pull
Entries 52
Mean 191.3
Std Dev 163.2

pull1D
Entries 52
Mean −0.00859
Std Dev 0.1538

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.066 / 51
p0 41.43 ± 1.619
pull
Entries 52
Mean 1017
Std Dev 988.8
pull1D
Entries 52
Mean 0.002592
Std Dev 0.2428

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 1.073 / 51
p0 −0.9286 ± 0.1474
pull
Entries 52
Mean −443.1
Std Dev 466
pull1D
Entries 52
Mean 0.001005
Std Dev 0.1436

reg_asym_sam_1357_2468_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 0.8776 / 51
p0 9.642 ± 0.9078
pull
Entries 52
Mean 36.72
Std Dev 110

pull1D
Entries 52
Mean −0.001042
Std Dev 0.1299

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.469 / 51
p0 17.87 ± 0.9633
pull
Entries 52
Mean 166.3
Std Dev 137.7

pull1D
Entries 52
Mean 0.01075
Std Dev 0.1677

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.378 / 51
p0 0.3107 ± 0.04
pull
Entries 52
Mean 118.7
Std Dev 94.15

pull1D
Entries 52
Mean −0.01159
Std Dev 0.2135

reg_asym_sam_12345678_avg_diff_bpm4aX_slope vs run
χ² / ndf 0.6021 / 51
p0 −27.08 ± 2.444
pull
Entries 52
Mean 284.6
Std Dev 244.2

pull1D
Entries 52
Mean 0.001113
Std Dev 0.1076

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 2.726 / 51
p0 1.403 ± 0.9063
pull
Entries 52
Mean 1193
Std Dev 1164

pull1D
Entries 52
Mean −0.001486
Std Dev 0.229

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.19 / 51
p0 −47.83 ± 2.593
pull
Entries 52
Mean 203.4
Std Dev 175.5

pull1D
Entries 52
Mean −0.007795
Std Dev 0.1511

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.624 / 51
p0 34.47 ± 1.183
pull
Entries 52
Mean 1535
Std Dev 1506

pull1D
Entries 52
Mean 0.001641
Std Dev 0.264

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 1.224 / 51
p0 −0.6192 ± 0.1077
pull
Entries 52
Mean 522.9
Std Dev 499.5

pull1D
Entries 52
Mean −0.002102
Std Dev 0.1534

reg_asym_atl1_diff_bpm4aX_slope vs run
χ² / ndf 49.95 / 51
p0 −35.36 ± 5.669
pull
Entries 52
Mean −2431
Std Dev 2454

pull1D
Entries 52
Mean 0.0008217
Std Dev 0.9801

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 48.96 / 51
p0 12.97 ± 2.093
pull
Entries 52
Mean 74.11
Std Dev 36.6

pull1D
Entries 52
Mean 0.01116
Std Dev 0.9703

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 51.76 / 51
p0 80.11 ± 6.016
pull
Entries 52
Mean −4329
Std Dev 4352

pull1D
Entries 52
Mean −0.0004271
Std Dev 0.9977

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 49.62 / 51
p0 −21.72 ± 2.728
pull
Entries 52
Mean 9.053
Std Dev 14.27

pull1D
Entries 52
Mean −0.01412
Std Dev 0.9768

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 35.84 / 51
p0 −19.31 ± 0.2496
pull
Entries 52
Mean −1.167e+04
Std Dev 1.17e+04
pull1D
Entries 52
Mean 0.0002921
Std Dev 0.8302

reg_asym_atl2_diff_bpm4aX_slope vs run
χ² / ndf 7.631 / 51
p0 −489.5 ± 11.09
pull
Entries 52
Mean −63.76
Std Dev 40.53

pull1D
Entries 52
Mean −0.001774
Std Dev 0.3831

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 51
p0 −6.505 ± 4.117
pull
Entries 52
Mean 503.6
Std Dev 482

pull1D
Entries 52
Mean −0.002391
Std Dev 0.475

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 7.806 / 51
p0 480 ± 11.77
pull
Entries 52
Mean −181.9
Std Dev 178.2

pull1D
Entries 52
Mean 0.001592
Std Dev 0.3874

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 12.55 / 51
p0 109.3 ± 5.365
pull
Entries 52
Mean 520.4
Std Dev 496.3

pull1D
Entries 52
Mean 0.003369
Std Dev 0.4912

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 22.32 / 51
p0 −192.7 ± 0.4891
pull
Entries 52
Mean 175.9
Std Dev 158

pull1D
Entries 52
Mean −0.006225
Std Dev 0.6552

reg_asym_atr1_diff_bpm4aX_slope vs run
χ² / ndf 35.55 / 51
p0 −101.3 ± 6.04
pull
Entries 52
Mean −373.1
Std Dev 418.5
pull1D
Entries 52
Mean 0.001125
Std Dev 0.8269

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 44.8 / 51
p0 14.56 ± 2.226
pull
Entries 52
Mean −45.37
Std Dev 91.74

pull1D
Entries 52
Mean −0.009638
Std Dev 0.9282

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 35.98 / 51
p0 52.61 ± 6.409
pull
Entries 52
Mean −116
Std Dev 181.5

pull1D
Entries 52
Mean −0.001527
Std Dev 0.8318

reg_asym_atr1_diff_bpm4eY_slope vs run
χ^2 / ndf 43.24 / 51
p0 −23.89 ± 2.902
pull
Entries 52
Mean −11.7
Std Dev 108.3

pull1D
Entries 52
Mean 0.002946
Std Dev 0.9119

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 59.71 / 51
p0 −24.98 ± 0.2659
pull
Entries 52
Mean −4415
Std Dev 4442

pull1D
Entries 52
Mean 0.0007207
Std Dev 1.072

reg_asym_atr2_diff_bpm4aX_slope vs run
χ² / ndf 7.175 / 51
p0 −581.7 ± 18.8
pull
Entries 52
Mean −4933
Std Dev 4951

pull1D
Entries 52
Mean −0.0002534
Std Dev 0.3715

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 6.185 / 51
p0 −29.52 ± 6.975
pull
Entries 52
Mean 226.3
Std Dev 195.7

pull1D
Entries 52
Mean −0.00493
Std Dev 0.3448

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 7.547 / 51
p0 756.7 ± 19.95
pull
Entries 52
Mean 3821
Std Dev 3802

pull1D
Entries 52
Mean −0.0003632
Std Dev 0.381

reg_asym_atr2_diff_bpm4eY_slope vs run
χ2 / ndf 7.378 / 51
p0 171.1 ± 9.095
pull
Entries 52
Mean 300.3
Std Dev 271.5
pull1D
Entries 52
Mean 0.003823
Std Dev 0.3767

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 13.19 / 51
p0 −241.8 ± 0.8285
pull
Entries 52
Mean 80.13
Std Dev 52.32

pull1D
Entries 52
Mean −0.01753
Std Dev 0.5033

reg_asym_atl_avg_diff_bpm4aX_slope vs run
χ² / ndf 14.67 / 51
p0 −262 ± 7.027
pull
Entries 52
Mean 165.9
Std Dev 133.3

pull1D
Entries 52
Mean −0.004814
Std Dev 0.5312

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ2 / ndf 15.93 / 51
p0 3.193 ± 2.606
pull
Entries 52
Mean −171.3
Std Dev 187.6

pull1D
Entries 52
Mean 0.003455
Std Dev 0.5535

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 15.33 / 51
p0 279.6 ± 7.457
pull
Entries 52
Mean 125.6
Std Dev 88.88

pull1D
Entries 52
Mean 0.004734
Std Dev 0.543

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.85 / 51
p0 43.78 ± 3.397
pull
Entries 52
Mean −586.6
Std Dev 609.6

pull1D
Entries 52
Mean −0.002265
Std Dev 0.5859

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 24.81 / 51
p0 −106 ± 0.3097
pull
Entries 52
Mean 182
Std Dev 156.4
pull1D
Entries 52
Mean −0.01308
Std Dev 0.6907

reg_asym_atl_dd_diff_bpm4aX_slope vs run
χ2 / ndf 19.45 / 51
p0 227.6 ± 5.327
pull
Entries 52
Mean 258.7
Std Dev 242.7

pull1D
Entries 52
Mean −0.004957
Std Dev 0.6116

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.51 / 51
p0 9.84 ± 1.973
pull
Entries 52
Mean 366.9
Std Dev 342.5
pull1D
Entries 52
Mean 0.004435
Std Dev 0.7005

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.68 / 51
p0 −200.5 ± 5.652
pull
Entries 52
Mean 269.7
Std Dev 253.4

pull1D
Entries 52
Mean 0.005104
Std Dev 0.6152

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.21 / 51
p0 −65.74 ± 2.571
pull
Entries 52
Mean 357.6
Std Dev 332.6

pull1D
Entries 52
Mean −0.00502
Std Dev 0.6823

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.56 / 51
p0 86.73 ± 0.2347
pull
Entries 52
Mean 1540
Std Dev 1495

pull1D
Entries 52
Mean −0.0005076
Std Dev 0.701

reg_asym_atr_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 10.66 / 51
p0 −341.3 ± 9.753
pull
Entries 52
Mean −1936
Std Dev 1951

pull1D
Entries 52
Mean −0.0005765
Std Dev 0.4527

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.722 / 51
p0 −7.528 ± 3.618
pull
Entries 52
Mean 132.5
Std Dev 107.3
pull1D
Entries 52
Mean −0.007048
Std Dev 0.4095

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.21 / 51
p0 404.5 ± 10.35
pull
Entries 52
Mean 5376
Std Dev 5359
pull1D
Entries 52
Mean −0.0002477
Std Dev 0.4644

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 10.07 / 51
p0 73.61 ± 4.717
pull
Entries 52
Mean 227.1
Std Dev 202.9

pull1D
Entries 52
Mean 0.004899
Std Dev 0.4401

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 21.77 / 51
p0 −133.4 ± 0.4299
pull
Entries 52
Mean 113.5
Std Dev 86.06

pull1D
Entries 52
Mean −0.02067
Std Dev 0.6466

reg_asym_atr_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 9.181 / 51
p0 240.4 ± 10.01
pull
Entries 52
Mean 7765
Std Dev 7745

pull1D
Entries 52
Mean −0.0001609
Std Dev 0.4202

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.92 / 51
p0 22.13 ± 3.712
pull
Entries 52
Mean −6071
Std Dev 6105
pull1D
Entries 52
Mean −0.0001866
Std Dev 0.4583

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 9.414 / 51
p0 −352.2 ± 10.62
pull
Entries 52
Mean 3424
Std Dev 3404
pull1D
Entries 52
Mean 0.0003781
Std Dev 0.4255

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.5 / 51
p0 −97.7 ± 4.841
pull
Entries 52
Mean −2887
Std Dev 2920

pull1D
Entries 52
Mean 0.0003517
Std Dev 0.4703

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 12.79 / 51
p0 108.4 ± 0.4412
pull
Entries 52
Mean 27.86
Std Dev 11.12
pull1D
Entries 52
Mean 0.01228
Std Dev 0.4957

reg_asym_at1_avg_diff_bpm4aX_slope vs run
χ^2 / ndf 39.6 / 51
p0 −68.24 ± 4.065
pull
Entries 52
Mean −6582
Std Dev 6609

pull1D
Entries 52
Mean 0.0002585
Std Dev 0.8726

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.06 / 51
p0 13.73 ± 1.5
pull
Entries 52
Mean 554.2
Std Dev 509.9

pull1D
Entries 52
Mean 0.001686
Std Dev 0.9205

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.68 / 51
p0 66.27 ± 4.313
pull
Entries 52
Mean −9860
Std Dev 9889

pull1D
Entries 52
Mean −0.0001439
Std Dev 0.8845

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.67 / 51
p0 −22.76 ± 1.955
pull
Entries 52
Mean 16.41
Std Dev 54.88
pull1D
Entries 52
Mean −0.00901
Std Dev 0.8843

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 64.94 / 51
p0 −22.14 ± 0.179
pull
Entries 52
Mean 4068
Std Dev 4040

pull1D
Entries 52
Mean −0.00117
Std Dev 1.118

reg_asym_at1_dd_diff_bpm4aX_slope vs run
χ^2 / ndf 44.77 / 51
p0 32.95 ± 4.218
pull
Entries 52
Mean 7090
Std Dev 7074

pull1D
Entries 52
Mean −0.0001528
Std Dev 0.9279

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 49.44 / 51
p0 −0.7909 ± 1.555
pull
Entries 52
Mean 14.35
Std Dev 34.2

pull1D
Entries 52
Mean 0.01466
Std Dev 0.9749

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 45.86 / 51
p0 13.76 ± 4.476
pull
Entries 52
Mean 1606
Std Dev 1590

pull1D
Entries 52
Mean 0.000723
Std Dev 0.9391

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.65 / 51
p0 1.103 ± 2.028
pull
Entries 52
Mean 3.183
Std Dev 42.65
pull1D
Entries 52
Mean −0.01272
Std Dev 0.9966

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 32.37 / 51
p0 2.824 ± 0.1857
pull
Entries 52
Mean 15.44
Std Dev 64.5

pull1D
Entries 52
Mean 0.002475
Std Dev 0.789

reg_asym_at2_avg_diff_bpm4aX_slope vs run
χ² / ndf 5.405 / 51
p0 −535.5 ± 14.45
pull
Entries 52
Mean −701.2
Std Dev 715.9
pull1D
Entries 52
Mean −0.001217
Std Dev 0.3224

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.096 / 51
p0 −17.96 ± 5.365
pull
Entries 52
Mean 248.7
Std Dev 221.7

pull1D
Entries 52
Mean −0.004813
Std Dev 0.3424

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.801 / 51
p0 618.2 ± 15.34
pull
Entries 52
Mean −1466
Std Dev 1482
pull1D
Entries 52
Mean 0.0006906
Std Dev 0.334

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ2 / ndf 7.149 / 51
p0 140.1 ± 6.995
pull
Entries 52
Mean 313.7
Std Dev 287.1
pull1D
Entries 52
Mean 0.004562
Std Dev 0.3708

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 14.13 / 51
p0 −217.3 ± 0.6372
pull
Entries 52
Mean 94.41
Std Dev 70.29

pull1D
Entries 52
Mean −0.01422
Std Dev 0.521

reg_asym_at2_dd_diff_bpm4aX_slope vs run
χ² / ndf 20.75 / 51
p0 −46.17 ± 5.405
pull
Entries 52
Mean 1117
Std Dev 1095

pull1D
Entries 52
Mean 0.001855
Std Dev 0.6316

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ2 / ndf 18 / 51
p0 −11.61 ± 2.001
pull
Entries 52
Mean 267.7
Std Dev 219.7

pull1D
Entries 52
Mean −0.002467
Std Dev 0.5884

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.51 / 51
p0 138.4 ± 5.736
pull
Entries 52
Mean 900.9
Std Dev 878.5

pull1D
Entries 52
Mean −0.002357
Std Dev 0.6281

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ2 / ndf 19.29 / 51
p0 31.01 ± 2.609
pull
Entries 52
Mean −1610
Std Dev 1684

pull1D
Entries 52
Mean −9.513e−05
Std Dev 0.6091

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 26.06 / 51
p0 −24.57 ± 0.2381
pull
Entries 52
Mean 72.16
Std Dev 29.72
pull1D
Entries 52
Mean −0.01601
Std Dev 0.7077

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs run
χ² / ndf 10.75 / 51
p0 −308.2 ± 10.79
pull
Entries 52
Mean −219
Std Dev 232.1

pull1D
Entries 52
Mean −0.002316
Std Dev 0.4546

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.86 / 51
p0 −8.299 ± 4.003
pull
Entries 52
Mean 696.6
Std Dev 667.3

pull1D
Entries 52
Mean −0.001083
Std Dev 0.3888

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.32 / 51
p0 418 ± 11.45
pull
Entries 52
Mean −373.3
Std Dev 389.4
pull1D
Entries 52
Mean 0.001795
Std Dev 0.4665

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.143 / 51
p0 74.63 ± 5.22
pull
Entries 52
Mean 1775
Std Dev 1748

pull1D
Entries 52
Mean 0.0005519
Std Dev 0.4193

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 15.33 / 51
p0 −130.5 ± 0.4755
pull
Entries 52
Mean 106.3
Std Dev 77.24
pull1D
Entries 52
Mean −0.02082
Std Dev 0.5425

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs run
χ² / ndf 10.72 / 51
p0 273.6 ± 8.751
pull
Entries 52
Mean 816.1
Std Dev 796.5

pull1D
Entries 52
Mean −0.002509
Std Dev 0.4539

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.7 / 51
p0 21.31 ± 3.245
pull
Entries 52
Mean 194
Std Dev 162.6

pull1D
Entries 52
Mean 0.007391
Std Dev 0.4942

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.07 / 51
p0 −338.7 ± 9.286
pull
Entries 52
Mean 688.8
Std Dev 668.9
pull1D
Entries 52
Mean 0.003108
Std Dev 0.4614

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.63 / 51
p0 −96.59 ± 4.231
pull
Entries 52
Mean 212.8
Std Dev 182.8
pull1D
Entries 52
Mean −0.005747
Std Dev 0.512

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 14.82 / 51
p0 111.3 ± 0.3857
pull
Entries 52
Mean 24.84
Std Dev 20.99

pull1D
Entries 52
Mean 0.01157
Std Dev 0.5337

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs run
χ² / ndf 15.26 / 51
p0 −295.3 ± 6.322
pull
Entries 52
Mean 60.82
Std Dev 156.8
pull1D
Entries 52
Mean −0.0008803
Std Dev 0.5418

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.36 / 51
p0 3.953 ± 2.344
pull
Entries 52
Mean 170.7
Std Dev 161.6

pull1D
Entries 52
Mean −0.004838
Std Dev 0.6702

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ2 / ndf 16.01 / 51
p0 266.2 ± 6.709
pull
Entries 52
Mean −425.3
Std Dev 396.1
pull1D
Entries 52
Mean 0.0005238
Std Dev 0.5548

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 23.19 / 51
p0 42.79 ± 3.054
pull
Entries 52
Mean 470.9
Std Dev 452

pull1D
Entries 52
Mean 0.003238
Std Dev 0.6678

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.46 / 51
p0 −108.8 ± 0.2786
pull
Entries 52
Mean 220.2
Std Dev 196.5

pull1D
Entries 52
Mean −0.01142
Std Dev 0.882

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs run
χ2 / ndf 13.14 / 51
p0 194.4 ± 6.334
pull
Entries 52
Mean −3113
Std Dev 3124
pull1D
Entries 52
Mean 8.161e−05
Std Dev 0.5026

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.72 / 51
p0 10.66 ± 2.347
pull
Entries 52
Mean −173.3
Std Dev 201.4

pull1D
Entries 52
Mean −0.006641
Std Dev 0.5498

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 12.92 / 51
p0 −213.9 ± 6.721
pull
Entries 52
Mean −681.3
Std Dev 694

pull1D
Entries 52
Mean −0.0004072
Std Dev 0.4984

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.5 / 51
p0 −66.86 ± 3.059
pull
Entries 52
Mean −323.1
Std Dev 351.6

pull1D
Entries 52
Mean 0.004336
Std Dev 0.5634

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 19.65 / 51
p0 83.89 ± 0.2791
pull
Entries 52
Mean −395.1
Std Dev 434.2

pull1D
Entries 52
Mean 0.001431
Std Dev 0.6148

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs run
χ² / ndf 7.165 / 51
p0 233.9 ± 7.037
pull
Entries 52
Mean 1220
Std Dev 1202

pull1D
Entries 52
Mean −0.00113
Std Dev 0.3712

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.11 / 51
p0 15.91 ± 2.61
pull
Entries 52
Mean 410.8
Std Dev 380.7

pull1D
Entries 52
Mean 0.003527
Std Dev 0.441

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.337 / 51
p0 −276.3 ± 7.467
pull
Entries 52
Mean 1038
Std Dev 1019

pull1D
Entries 52
Mean 0.001396
Std Dev 0.3756

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.3 / 51
p0 −81.63 ± 3.403
pull
Entries 52
Mean 405.3
Std Dev 375.9

pull1D
Entries 52
Mean −0.003527
Std Dev 0.4451

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 13.11 / 51
p0 97.59 ± 0.3102
102
100
98
96
94
92
pull
Entries 52
Mean −9.107
Std Dev 50.69
1
0.5
0
−0.5
−1

pull1D
Entries 52
Mean 0.00763
Std Dev 0.5021
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs run
χ² / ndf 26.05 / 51
p0 −6.55 ± 3.847
pull
Entries 52
Mean −2500
Std Dev 2526

pull1D
Entries 52
Mean −0.0003058
Std Dev 0.7077

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.47 / 51
p0 −6.218 ± 1.423
pull
Entries 52
Mean −45.32
Std Dev 92.91

pull1D
Entries 52
Mean 0.007196
Std Dev 0.7268

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.47 / 51
p0 75.99 ± 4.082
pull
Entries 52
Mean −2246
Std Dev 2273

pull1D
Entries 52
Mean 0.0003364
Std Dev 0.7135

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.51 / 51
p0 16.07 ± 1.856
pull
Entries 52
Mean −7.086
Std Dev 60.13

pull1D
Entries 52
Mean −0.007642
Std Dev 0.7273

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ^2 / ndf 24.27 / 51
p0 −10.87 ± 0.1694
pull
Entries 52
Mean 77.83
Std Dev 29.46

pull1D
Entries 52
Mean −0.01131
Std Dev 0.683

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aX_slope vs run
χ² / ndf 8.582 / 51
p0 −301.6 ± 7.963
pull
Entries 52
Mean −116
Std Dev 116.8

pull1D
Entries 52
Mean −0.00286
Std Dev 0.4062

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.945 / 51
p0 −2.112 ± 2.955
pull
Entries 52
Mean 210.5
Std Dev 188.6

pull1D
Entries 52
Mean −0.004098
Std Dev 0.3909

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.24 / 51
p0 342 ± 8.45
pull
Entries 52
Mean −249.8
Std Dev 259.7

pull1D
Entries 52
Mean 0.002228
Std Dev 0.4215

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ2 / ndf 9.04 / 51
p0 58.61 ± 3.853
pull
Entries 52
Mean 365.5
Std Dev 341.8

pull1D
Entries 52
Mean 0.003561
Std Dev 0.4169

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 36.12 / 51
p0 39.49 ± 2.956
pull
Entries 52
Mean 6553
Std Dev 6532

pull1D
Entries 52
Mean −0.0004009
Std Dev 0.8335

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.24 / 51
p0 5.47 ± 1.092
pull
Entries 52
Mean 79.99
Std Dev 39.98

pull1D
Entries 52
Mean 0.008498
Std Dev 0.7994

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.19 / 51
p0 −62.21 ± 3.137
pull
Entries 52
Mean 2393
Std Dev 2372

pull1D
Entries 52
Mean 0.001141
Std Dev 0.8343

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 37.78 / 51
p0 −15.03 ± 1.423
pull
Entries 52
Mean 20.1
Std Dev 15.18

pull1D
Entries 52
Mean −0.00476
Std Dev 0.8523

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 35.64 / 51
p0 13.7 ± 0.1302
pull
Entries 52
Mean 86.02
Std Dev 52.66

pull1D
Entries 52
Mean 0.01159
Std Dev 0.8278

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs run
χ² / ndf 44.41 / 51
p0 2.3 ± 0.3935
pull
Entries 52
Mean −26.06
Std Dev 40.35
pull1D
Entries 52
Mean 0.07201
Std Dev 0.9214

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 165.2 / 51
p0 1.874 ± 0.1453
pull
Entries 52
Mean −20.09
Std Dev 40.9
pull1D
Entries 52
Mean 0.2734
Std Dev 1.761

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 43.3 / 51
p0 −2.127 ± 0.4176
pull
Entries 52
Mean −27.92
Std Dev 41.43
pull1D
Entries 52
Mean −0.06283
Std Dev 0.9104

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 187.7 / 51
p0 −2.983 ± 0.1893
pull
Entries 52
Mean −21.41
Std Dev 42.42

pull1D
Entries 52
Mean −0.2985
Std Dev 1.876

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs run
χ² / ndf 43.51 / 51
p0 2.041 ± 0.3919
pull
Entries 52
Mean −24.73
Std Dev 38.73
pull1D
Entries 52
Mean 0.07151
Std Dev 0.912

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 164.4 / 51
p0 1.857 ± 0.1447
pull
Entries 52
Mean −20.47
Std Dev 41.21

pull1D
Entries 52
Mean 0.2699
Std Dev 1.758

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 42.41 / 51
p0 −1.853 ± 0.4158
pull
Entries 52
Mean −26.07
Std Dev 39.13
pull1D
Entries 52
Mean −0.06259
Std Dev 0.901

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 186.5 / 51
p0 −2.96 ± 0.1886
pull
Entries 52
Mean −21.76
Std Dev 42.68

pull1D
Entries 52
Mean −0.2948
Std Dev 1.871

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 68.19 / 51
p0 0.2148 ± 0.01725
pull
Entries 52
Mean −12.43
Std Dev 34.15
pull1D
Entries 52
Mean 0.1433
Std Dev 1.136

reg_asym_bcm_an_us_diff_bpm4aX_slope vs run
χ² / ndf 43.94 / 51
p0 2.156 ± 0.3929
pull
Entries 52
Mean −27.28
Std Dev 41.08
pull1D
Entries 52
Mean 0.06936
Std Dev 0.9167

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 162.2 / 51
p0 1.807 ± 0.1451
pull
Entries 52
Mean −18.78
Std Dev 39.53

pull1D
Entries 52
Mean 0.2718
Std Dev 1.745

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 42.65 / 51
p0 −2.007 ± 0.4169
pull
Entries 52
Mean −28.9
Std Dev 41.76
pull1D
Entries 52
Mean −0.06048
Std Dev 0.9036

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 183.3 / 51
p0 −2.917 ± 0.1891
pull
Entries 52
Mean −20.19
Std Dev 41.08

pull1D
Entries 52
Mean −0.2963
Std Dev 1.854

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 68.06 / 51
p0 0.2193 ± 0.0173
pull
Entries 52
Mean −15.17
Std Dev 36.9

pull1D
Entries 52
Mean 0.14
Std Dev 1.135

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs run
χ² / ndf 42.65 / 51
p0 2.436 ± 0.4017
pull
Entries 52
Mean −13.96
Std Dev 27.2

pull1D
Entries 52
Mean 0.07473
Std Dev 0.9026

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 176.7 / 51
p0 1.792 ± 0.1483
pull
Entries 52
Mean −22.73
Std Dev 44.14

pull1D
Entries 52
Mean 0.2729
Std Dev 1.823

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 41.84 / 51
p0 −2.304 ± 0.4262
pull
Entries 52
Mean −14.02
Std Dev 26.02
pull1D
Entries 52
Mean −0.06526
Std Dev 0.8946

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 200.4 / 51
p0 −2.9 ± 0.1932
pull
Entries 52
Mean −23.71
Std Dev 45.12

pull1D
Entries 52
Mean −0.2982
Std Dev 1.94

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 74.1 / 51
p0 0.2338 ± 0.01768
pull
Entries 52
Mean −9.707
Std Dev 30.81

pull1D
Entries 52
Mean 0.1345
Std Dev 1.186

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs run
χ² / ndf 47.35 / 51
p0 2.371 ± 0.3991
pull
Entries 52
Mean −9.244
Std Dev 13.99
pull1D
Entries 52
Mean 0.06761
Std Dev 0.9519

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 157.9 / 51
p0 1.816 ± 0.1472
pull
Entries 52
Mean −17.46
Std Dev 38.33

pull1D
Entries 52
Mean 0.2737
Std Dev 1.721

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 46.29 / 51
p0 −2.206 ± 0.4235
pull
Entries 52
Mean −8.813
Std Dev 5.835

pull1D
Entries 52
Mean −0.05833
Std Dev 0.9417

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 179.1 / 51
p0 −2.892 ± 0.1918
pull
Entries 52
Mean −18.31
Std Dev 39.26

pull1D
Entries 52
Mean −0.3004
Std Dev 1.831

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 87.68 / 51
p0 0.2264 ± 0.01756
pull
Entries 52
Mean −13.98
Std Dev 36.92
pull1D
Entries 52
Mean 0.1482
Std Dev 1.29