



BC-010

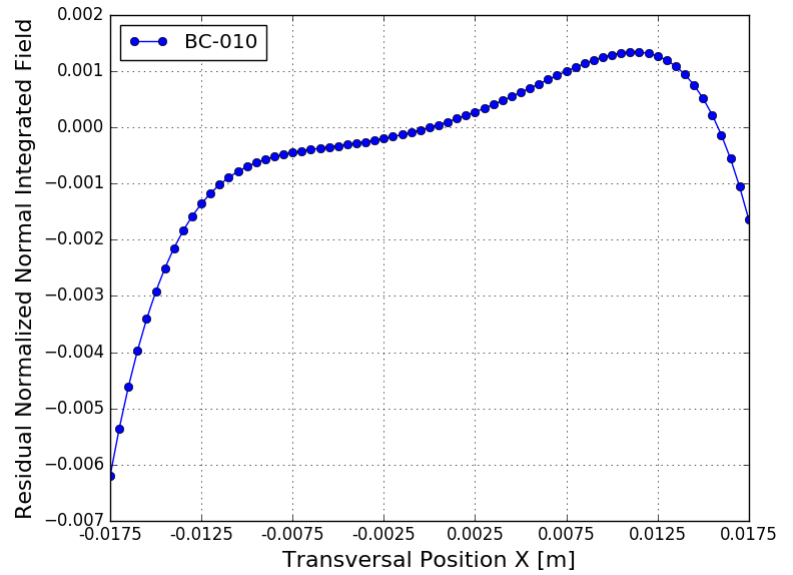
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	11:29:20
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.001)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.39264 ± 0.00009) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.13 ± 0.04)

Electric Parameters

Indutance [mH]	3.159
Voltage [V]	0.679
Resistance [mΩ]	75.431
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00003)	(-1.13 ± 0.01) x E-3
2 (quadrupole)	(1.65 ± 0.06) x E-3	(2.9 ± 0.3) x E-4
3 (sextupole)	(2.02 ± 0.04) x E-3	(1.9 ± 0.7) x E-4
4	(8 ± 4) x E-5	(9 ± 3) x E-5
5	(-2.07 ± 0.03) x E-3	(-3.3 ± 0.3) x E-4
6	(6.1 ± 0.3) x E-4	(2.3 ± 0.3) x E-4
7	(-4.08 ± 0.02) x E-3	(3.8 ± 0.2) x E-4
8	(-3 ± 4) x E-5	(-6 ± 3) x E-5
9	(-1.5 ± 0.4) x E-4	(-6 ± 5) x E-5
10	(-1.6 ± 0.4) x E-4	(-1 ± 6) x E-5
11	(4.7 ± 0.3) x E-4	(-3 ± 4) x E-5
12	(6 ± 3) x E-5	(1 ± 5) x E-5
13	(-7 ± 4) x E-5	(-4 ± 4) x E-5
14	(7 ± 5) x E-5	(7 ± 7) x E-5
15	(-6 ± 5) x E-5	(-5 ± 6) x E-5

