



BC-019

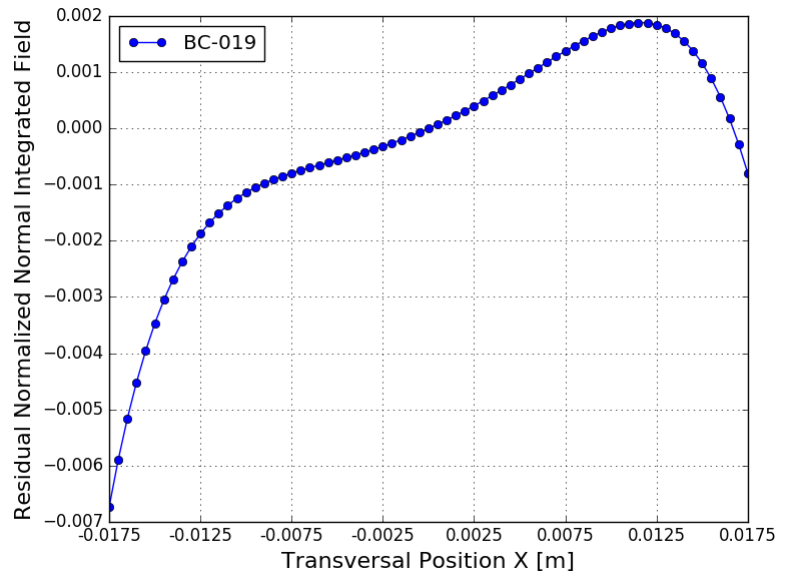
BOOSTER MAGNET REPORT

Results

Date	19/03/2015
Hour	12:53:42
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3850 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.8 ± 0.1)

Electric Parameters

Indutance [mH]	3.180
Voltage [V]	0.676
Resistance [mΩ]	75.113
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 ± 0.00004)	(-1.79 ± 0.04) x E-3
2 (quadrupole)	(2.52 ± 0.09) x E-3	(5.5 ± 0.9) x E-4
3 (sextupole)	(2.1 ± 0.2) x E-3	(3 ± 1) x E-4
4	(-1.8 ± 12.4) x E-5	(6.6 ± 11.9) x E-5
5	(-2.2 ± 0.2) x E-3	(-4 ± 2) x E-4
6	(4 ± 3) x E-4	(3 ± 2) x E-4
7	(-4.1 ± 0.2) x E-3	(5 ± 2) x E-4
8	(-1 ± 2) x E-4	(8.0 ± 14.0) x E-5
9	(-1 ± 1) x E-4	(3.21 ± 182.72) x E-6
10	(-1 ± 1) x E-4	(1 ± 2) x E-4
11	(6 ± 2) x E-4	(9.7 ± 13.7) x E-5
12	(2 ± 2) x E-4	(2 ± 1) x E-4
13	(-1.2 ± 13.9) x E-5	(8.3 ± 20.1) x E-5
14	(1 ± 1) x E-4	(6.8 ± 14.0) x E-5
15	(-8.4 ± 23.7) x E-5	(-6.74 ± 112.47) x E-6

