



BC-013

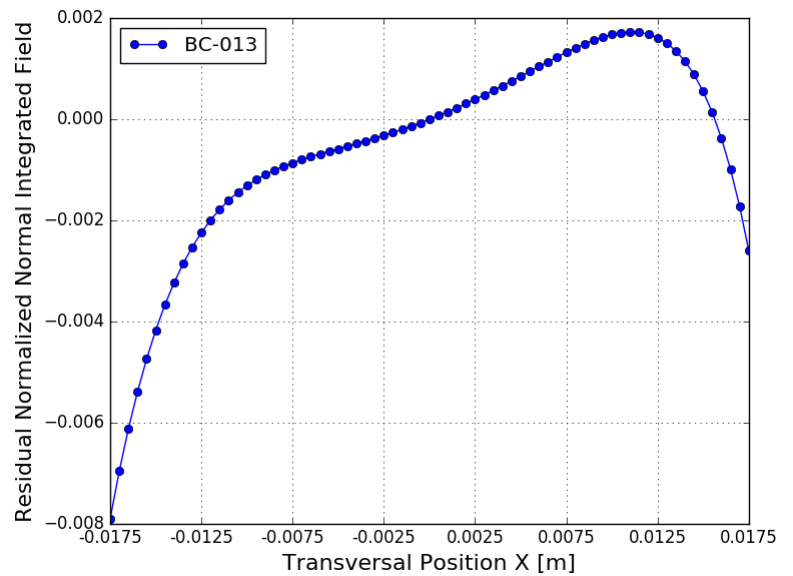
BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	15:01:46
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3999 ± 0.0003) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.3 ± 0.1)

Electric Parameters

Inductance [mH]	3.162
Voltage [V]	0.686
Resistance [mΩ]	76.246
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 ± 0.00008)	(-1.25 ± 0.05) x E-3
2 (quadrupole)	(2.49 ± 0.09) x E-3	(8 ± 1) x E-4
3 (sextupole)	(1.9 ± 0.1) x E-3	(1.2 ± 1.0) x E-4
4	(2 ± 1) x E-4	(-6.7 ± 13.5) x E-5
5	(-2.5 ± 0.2) x E-3	(-3 ± 1) x E-4
6	(6 ± 2) x E-4	(2.7 ± 1.0) x E-4
7	(-4.6 ± 0.2) x E-3	(4 ± 2) x E-4
8	(-2 ± 2) x E-4	(2 ± 1) x E-4
9	(-3 ± 2) x E-4	(-1.2 ± 27.0) x E-5
10	(-5 ± 2) x E-4	(5.6 ± 11.1) x E-5
11	(4 ± 2) x E-4	(3 ± 1) x E-4
12	(-7.8 ± 14.7) x E-5	(-1 ± 1) x E-4
13	(-1.338 ± 1060.824) x E-7	(-2.8 ± 13.7) x E-5
14	(1 ± 1) x E-4	(-9.4 ± 12.7) x E-5
15	(-2 ± 1) x E-4	(-8.3 ± 16.4) x E-5

