



BC-039

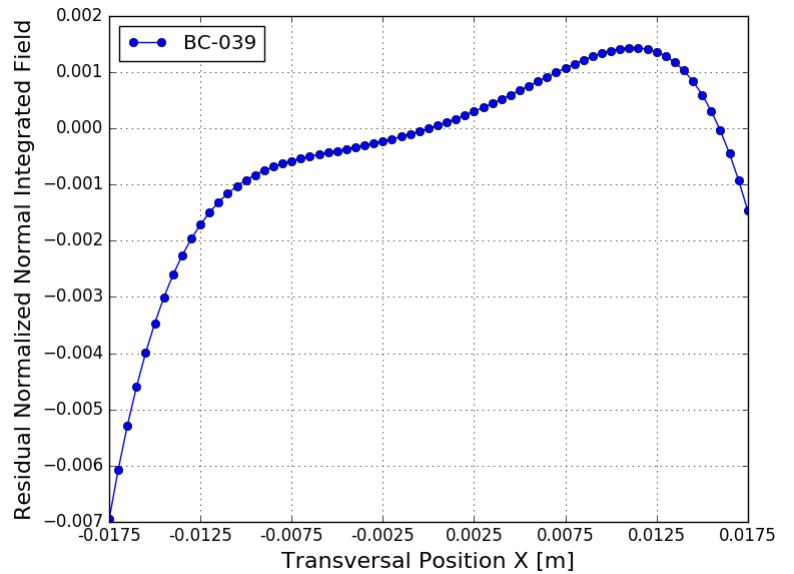
BOOSTER MAGNET REPORT

Results

Date	05/05/2015
Hour	10:11:04
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.977 ± 0.004)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3837 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-6.7 ± 1.0) x E-1

Electric Parameters

Indutance [mH]	3.155
Voltage [V]	0.721
Resistance [mΩ]	80.158
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 ± 0)	(-7 ± 0) x E-4
2 (quadrupole)	(2 ± 0) x E-3	(8 ± 0) x E-5
3 (sextupole)	(2 ± 0) x E-3	(8 ± 0) x E-5
4	(3 ± 0) x E-4	(-1 ± 0) x E-4
5	(-2 ± 0) x E-3	(-1 ± 0) x E-4
6	(7 ± 0) x E-4	(2 ± 0) x E-4
7	(-4 ± 0) x E-3	(-1 ± 0) x E-4
8	(-6 ± 0) x E-5	(2 ± 0) x E-4
9	(-3 ± 0) x E-5	(1 ± 0) x E-4
10	(-2 ± 0) x E-4	(6 ± 0) x E-5
11	(5 ± 0) x E-4	(3 ± 0) x E-5
12	(-3 ± 0) x E-5	(1 ± 0) x E-4
13	(-3 ± 0) x E-5	(9 ± 0) x E-5
14	(2 ± 0) x E-4	(2 ± 0) x E-4
15	(-8 ± 0) x E-6	(-2 ± 0) x E-4

