



BC-040

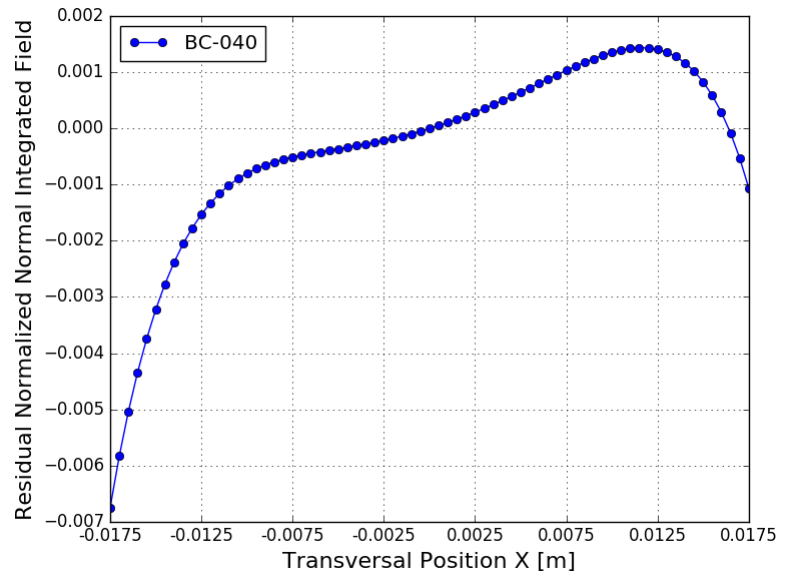
BOOSTER MAGNET REPORT

Results

Date	05/05/2015
Hour	12:02:54
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.976 ± 0.008)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.4016 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(1.4 ± 0.7) x E-1

Electric Parameters

Indutance [mH]	3.140
Voltage [V]	0.721
Resistance [mΩ]	80.121
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)	(1 ± 0) x E-4
2 (quadrupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
4	(4 ± 0) x E-5	(-8 ± 0) x E-5
5	(-2 ± 0) x E-3	(-1 ± 0) x E-4
6	(1 ± 0) x E-3	(2 ± 0) x E-5
7	(-4 ± 0) x E-3	(-2 ± 0) x E-5
8	(2 ± 0) x E-4	(2 ± 0) x E-4
9	(9 ± 0) x E-5	(3 ± 0) x E-5
10	(-1 ± 0) x E-4	(5 ± 0) x E-6
11	(5 ± 0) x E-4	(-8 ± 0) x E-6
12	(-2 ± 0) x E-5	(-6 ± 0) x E-5
13	(-2 ± 0) x E-5	(2 ± 0) x E-5
14	(-8 ± 0) x E-8	(8 ± 0) x E-5
15	(-3 ± 0) x E-4	(2 ± 0) x E-5

