



BC-049

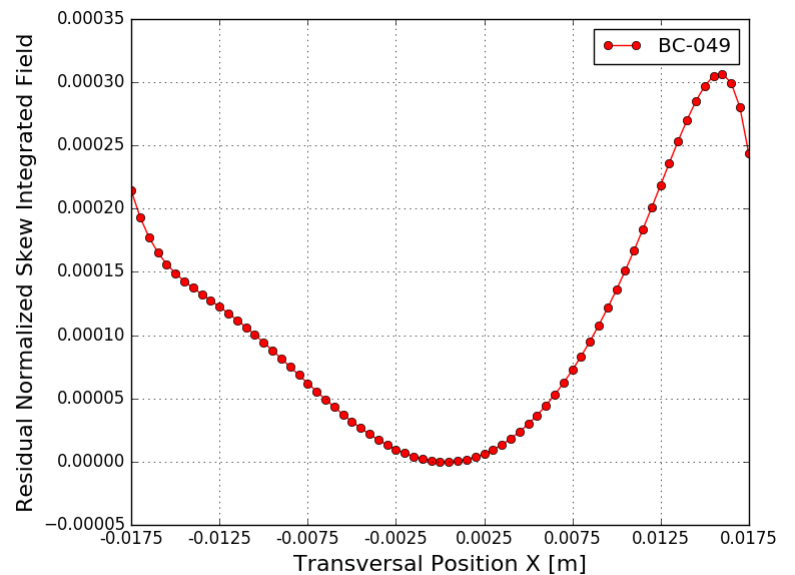
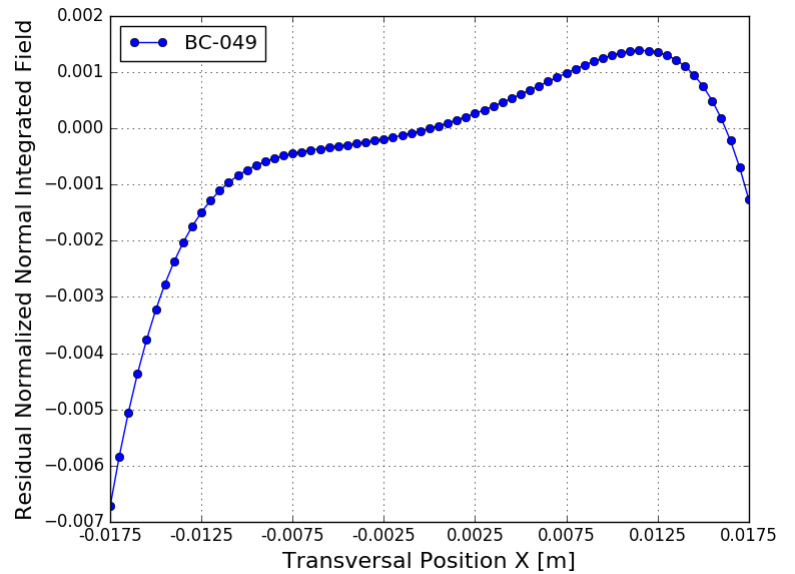
BOOSTER MAGNET REPORT

Results

Date	06/05/2015
Hour	12:37:25
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.977 ± 0.003)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3848 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(3.7 ± 0.5) x E-1

Electric Parameters

Indutance [mH]	3.150
Voltage [V]	0.663
Resistance [mΩ]	73.668
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)	(4 ± 0) x E-4
2 (quadrupole)	(2 ± 0) x E-3	(-2 ± 0) x E-5
3 (sextupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
4	(2 ± 0) x E-4	(1 ± 0) x E-4
5	(-2 ± 0) x E-3	(-1 ± 0) x E-4
6	(1 ± 0) x E-3	(9 ± 0) x E-5
7	(-4 ± 0) x E-3	(5 ± 0) x E-5
8	(9 ± 0) x E-5	(-7 ± 0) x E-6
9	(-9 ± 0) x E-6	(-6 ± 0) x E-5
10	(-2 ± 0) x E-4	(-5 ± 0) x E-5
11	(4 ± 0) x E-4	(-3 ± 0) x E-5
12	(-8 ± 0) x E-5	(-9 ± 0) x E-5
13	(-2 ± 0) x E-4	(6 ± 0) x E-5
14	(-3 ± 0) x E-5	(-5 ± 0) x E-5
15	(-4 ± 0) x E-5	(-7 ± 0) x E-5