



BC-049

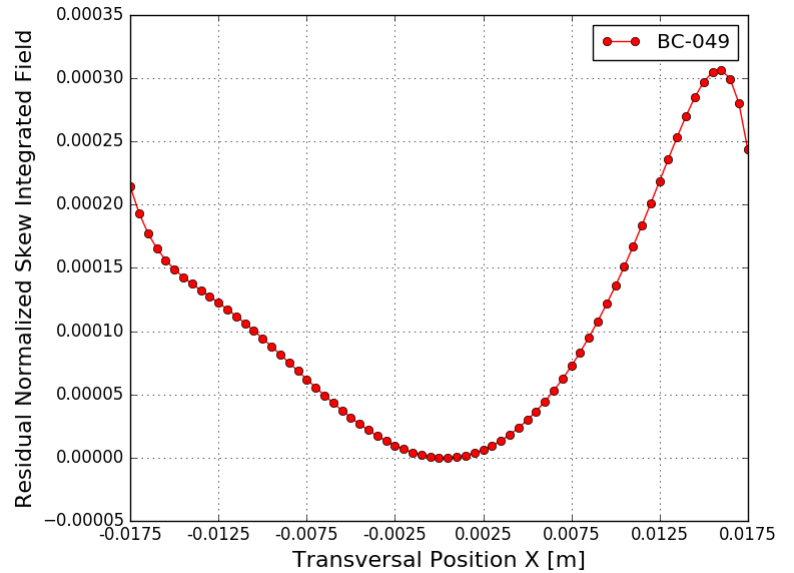
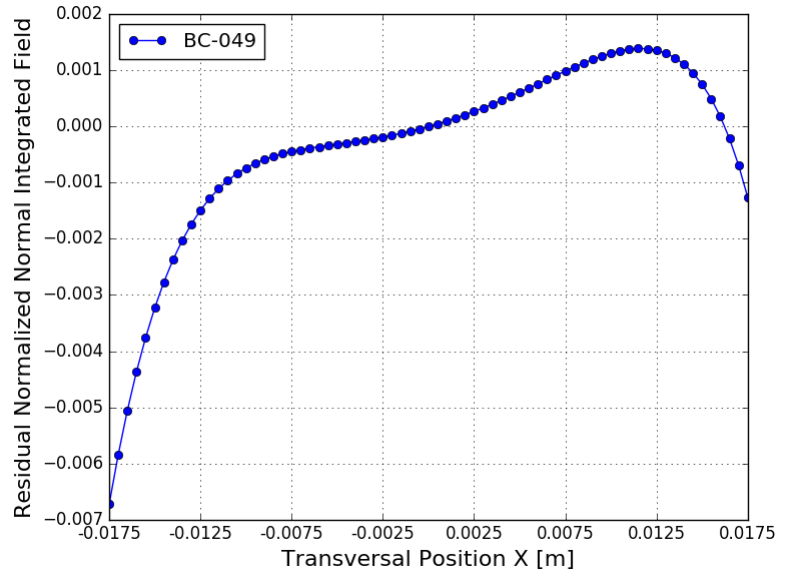
BOOSTER MAGNET REPORT

Results

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

Electric Parameters

Indutance [mH]	3.150
Voltage [V]	0.663
Resistance [$\text{m}\Omega$]	73.668
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles $x=17.5 \text{ mm}$ [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1 ± 0)	$(4 \pm 0) \times E-4$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(-2 \pm 0) \times E-5$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(4 \pm 0) \times E-4$
4	$(2 \pm 0) \times E-4$	$(1 \pm 0) \times E-4$
5	$(-2 \pm 0) \times E-3$	$(-1 \pm 0) \times E-4$
6	$(1 \pm 0) \times E-3$	$(9 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(5 \pm 0) \times E-5$
8	$(9 \pm 0) \times E-5$	$(-7 \pm 0) \times E-6$
9	$(-9 \pm 0) \times E-6$	$(-6 \pm 0) \times E-5$
10	$(-2 \pm 0) \times E-4$	$(-5 \pm 0) \times E-5$
11	$(4 \pm 0) \times E-4$	$(-3 \pm 0) \times E-5$
12	$(-8 \pm 0) \times E-5$	$(-9 \pm 0) \times E-5$
13	$(-2 \pm 0) \times E-4$	$(6 \pm 0) \times E-5$
14	$(-3 \pm 0) \times E-5$	$(-5 \pm 0) \times E-5$
15	$(-4 \pm 0) \times E-5$	$(-7 \pm 0) \times E-5$