



BC-046

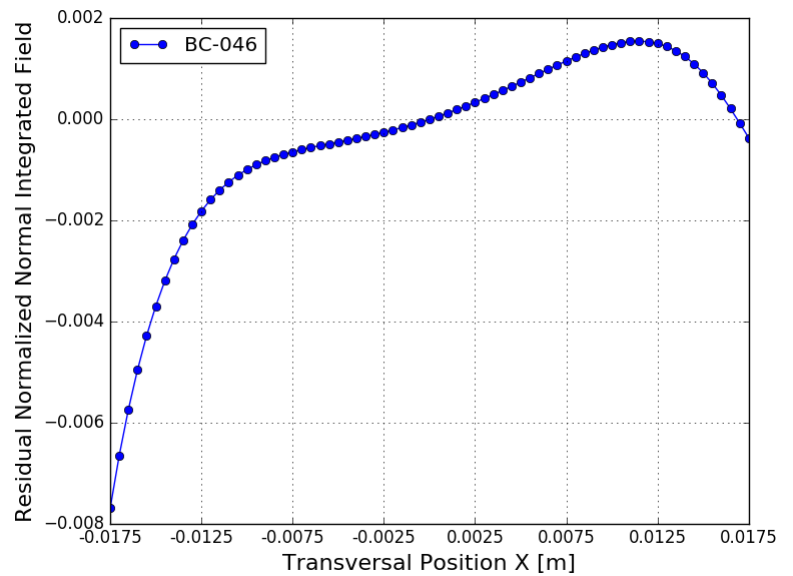
BOOSTER MAGNET REPORT

Results

Date	06/05/2015
Hour	09:48:01
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.977 ± 0.004)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3833 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.21 ± 0.10)

Electric Parameters

Indutance [mH]	3.100
Voltage [V]	0.688
Resistance [$\text{m}\Omega$]	76.467
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)	$(-1 \pm 0) \times E-3$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(-3 \pm 0) \times E-4$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(3 \pm 0) \times E-4$
4	$(-2 \pm 0) \times E-5$	$(-3 \pm 0) \times E-4$
5	$(-2 \pm 0) \times E-3$	$(3 \pm 0) \times E-5$
6	$(9 \pm 0) \times E-4$	$(-7 \pm 0) \times E-7$
7	$(-4 \pm 0) \times E-3$	$(2 \pm 0) \times E-4$
8	$(10 \pm 0) \times E-5$	$(-2 \pm 0) \times E-5$
9	$(6 \pm 0) \times E-5$	$(2 \pm 0) \times E-4$
10	$(-2 \pm 0) \times E-5$	$(-2 \pm 0) \times E-4$
11	$(4 \pm 0) \times E-4$	$(8 \pm 0) \times E-5$
12	$(4 \pm 0) \times E-4$	$(-2 \pm 0) \times E-4$
13	$(6 \pm 0) \times E-5$	$(1 \pm 0) \times E-4$
14	$(2 \pm 0) \times E-4$	$(-2 \pm 0) \times E-4$
15	$(3 \pm 0) \times E-5$	$(1 \pm 0) \times E-5$

