



BC-060

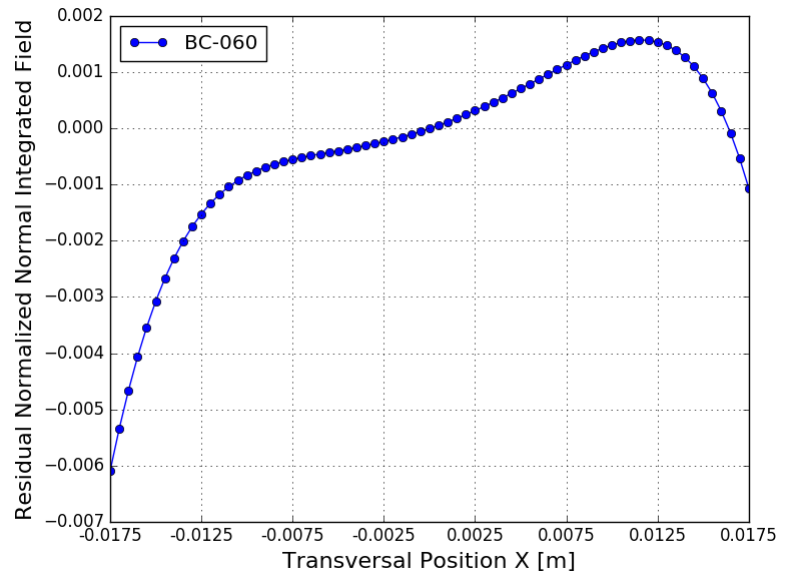
BOOSTER MAGNET REPORT

Results

Date	12/05/2015
Hour	10:39:28
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9809 ± 0.0006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3867 \pm 0.0003) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.68 ± 0.10)

Electric Parameters

Indutance [mH]	3.107
Voltage [V]	0.684
Resistance [m Ω]	75.972
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)	$(-2 \pm 0) \times E-3$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(-3 \pm 0) \times E-4$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(2 \pm 0) \times E-4$
4	$(10 \pm 0) \times E-5$	$(-4 \pm 0) \times E-5$
5	$(-2 \pm 0) \times E-3$	$(-6 \pm 0) \times E-5$
6	$(7 \pm 0) \times E-4$	$(-3 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(-2 \pm 0) \times E-5$
8	$(8 \pm 0) \times E-6$	$(3 \pm 0) \times E-6$
9	$(-6 \pm 0) \times E-5$	$(-1 \pm 0) \times E-5$
10	$(-2 \pm 0) \times E-4$	$(5 \pm 0) \times E-5$
11	$(6 \pm 0) \times E-4$	$(-3 \pm 0) \times E-5$
12	$(-2 \pm 0) \times E-5$	$(3 \pm 0) \times E-5$
13	$(2 \pm 0) \times E-5$	$(9 \pm 0) \times E-5$
14	$(3 \pm 0) \times E-5$	$(1 \pm 0) \times E-6$
15	$(-3 \pm 0) \times E-5$	$(9 \pm 0) \times E-5$

