



BC-056

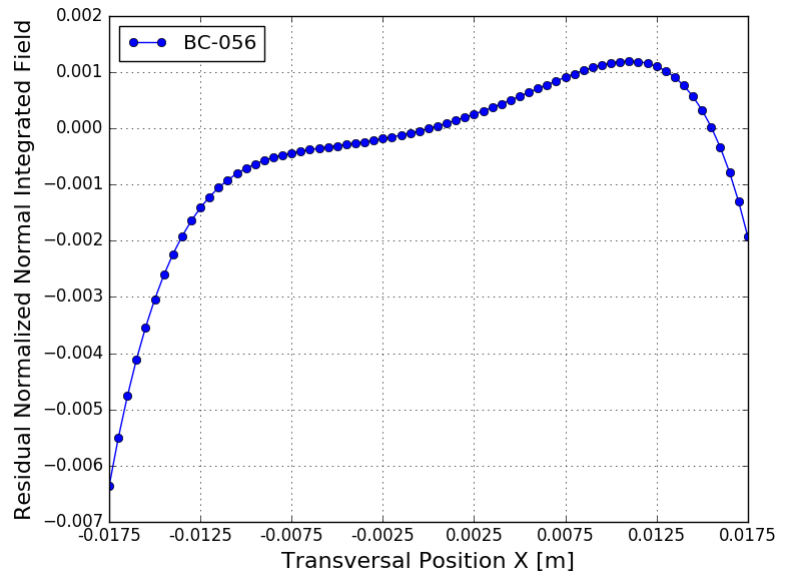
BOOSTER MAGNET REPORT

Results

Date	07/05/2015
Hour	16:18:10
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9784 ± 0.0005)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3826 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-2.63 ± 0.03)

Electric Parameters

Indutance [mH]	3.125
Voltage [V]	0.709
Resistance [$\text{m}\Omega$]	78.825
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)	$(-3 \pm 0) \times E-3$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(-9 \pm 0) \times E-7$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(1 \pm 0) \times E-4$
4	$(10 \pm 0) \times E-5$	$(-1 \pm 0) \times E-4$
5	$(-2 \pm 0) \times E-3$	$(-9 \pm 0) \times E-5$
6	$(8 \pm 0) \times E-4$	$(-5 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(-9 \pm 0) \times E-6$
8	$(-4 \pm 0) \times E-6$	$(5 \pm 0) \times E-5$
9	$(2 \pm 0) \times E-5$	$(-4 \pm 0) \times E-5$
10	$(-2 \pm 0) \times E-4$	$(-10 \pm 0) \times E-6$
11	$(4 \pm 0) \times E-4$	$(-2 \pm 0) \times E-5$
12	$(2 \pm 0) \times E-5$	$(5 \pm 0) \times E-5$
13	$(-5 \pm 0) \times E-5$	$(-7 \pm 0) \times E-6$
14	$(-2 \pm 0) \times E-5$	$(-2 \pm 0) \times E-5$
15	$(-2 \pm 0) \times E-4$	$(2 \pm 0) \times E-5$

