

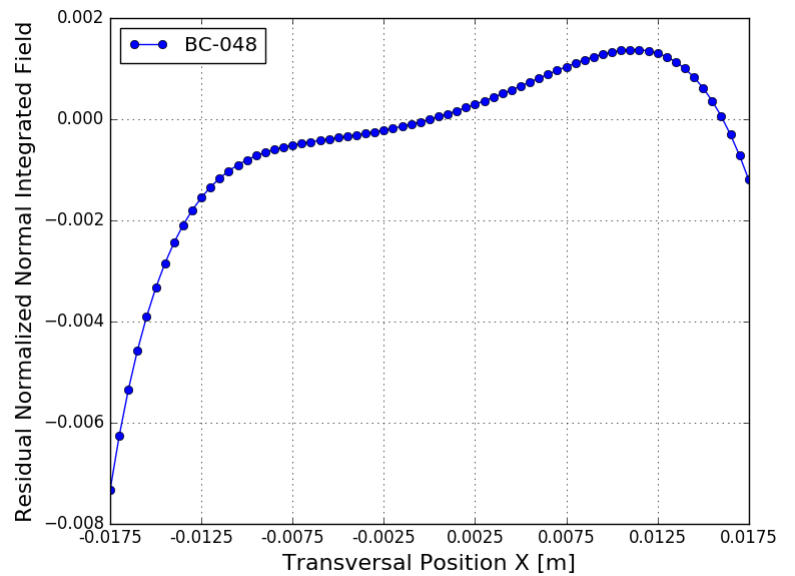


BC-048

BOOSTER MAGNET REPORT

Results

Date	06/05/2015
Hour	11:39:26
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3845 \pm 0.0001) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(2 \pm 2) \times E-1$
Electric Parameters	
Indutance [mH]	3.127
Voltage [V]	0.666
Resistance [$\text{m}\Omega$]	74.036
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)	$(2 \pm 0) \times E-4$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(-6 \pm 0) \times E-4$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(8 \pm 0) \times E-5$
4	$(-3 \pm 0) \times E-5$	$(-3 \pm 0) \times E-4$
5	$(-2 \pm 0) \times E-3$	$(-5 \pm 0) \times E-5$
6	$(8 \pm 0) \times E-4$	$(-9 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(2 \pm 0) \times E-4$
8	$(9 \pm 0) \times E-5$	$(-2 \pm 0) \times E-5$
9	$(9 \pm 0) \times E-5$	$(-5 \pm 0) \times E-5$
10	$(2 \pm 0) \times E-5$	$(8 \pm 0) \times E-6$
11	$(5 \pm 0) \times E-4$	$(-1 \pm 0) \times E-4$
12	$(2 \pm 0) \times E-4$	$(-3 \pm 0) \times E-5$
13	$(-1 \pm 0) \times E-4$	$(4 \pm 0) \times E-5$
14	$(2 \pm 0) \times E-4$	$(3 \pm 0) \times E-4$
15	$(-2 \pm 0) \times E-4$	$(-2 \pm 0) \times E-5$

