



BC-034

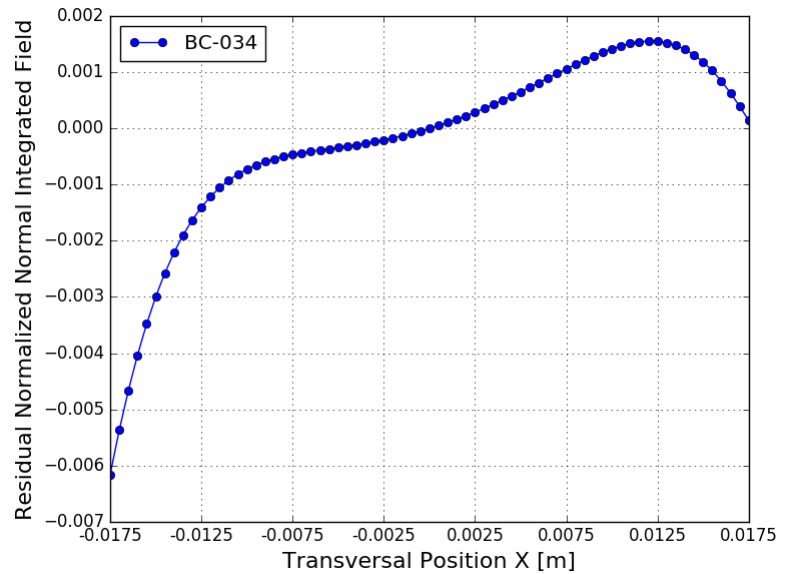
BOOSTER MAGNET REPORT

Results

Date	04/05/2015
Hour	12:43:58
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3841 \pm 0.0001) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.6 ± 0.1)

Electric Parameters

Indutance [mH]	3.138
Voltage [V]	0.674
Resistance [$\text{m}\Omega$]	74.915
Main Coil Number of Turns	38.5



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

