



BC-026

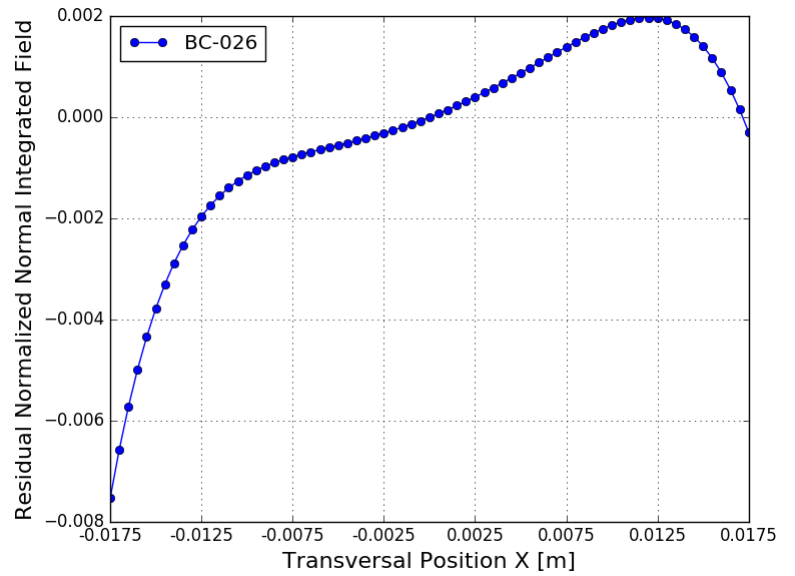
BOOSTER MAGNET REPORT

Results

Date	20/03/2015
Hour	09:36:57
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3859 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-2.8 \pm 0.9) \times E-1$

Electric Parameters

Indutance [mH]	3.152
Voltage [V]	0.678
Resistance [m Ω]	75.383
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)	(1.00000 ± 0.00005)	$(-2.8 \pm 0.3) \times E-4$
2 (quadrupole)	$(2.49 \pm 0.07) \times E-3$	$(1.54 \pm 0.08) \times E-3$
3 (sextupole)	$(2.2 \pm 0.1) \times E-3$	$(5 \pm 1) \times E-4$
4	$(10 \pm 10) \times E-5$	$(-3 \pm 10) \times E-5$
5	$(-2.2 \pm 0.1) \times E-3$	$(-2 \pm 1) \times E-4$
6	$(7.3 \pm 0.9) \times E-4$	$(8.1 \pm 10.2) \times E-5$
7	$(-4.1 \pm 0.2) \times E-3$	$(2 \pm 1) \times E-4$
8	$(4 \pm 8) \times E-5$	$(8.99 \pm 135.56) \times E-6$
9	$(-4 \pm 1) \times E-4$	$(-2.1 \pm 1.0) \times E-4$
10	$(6.4 \pm 14.9) \times E-5$	$(1 \pm 1) \times E-4$
11	$(4.6 \pm 0.9) \times E-4$	$(-1 \pm 9) \times E-5$
12	$(1 \pm 1) \times E-4$	$(1.3 \pm 1.0) \times E-4$
13	$(1.5 \pm 1.0) \times E-4$	$(4 \pm 8) \times E-5$
14	$(4.8 \pm 11.9) \times E-5$	$(4.1 \pm 94.0) \times E-6$
15	$(-4 \pm 9) \times E-5$	$(6.2 \pm 13.5) \times E-5$

