

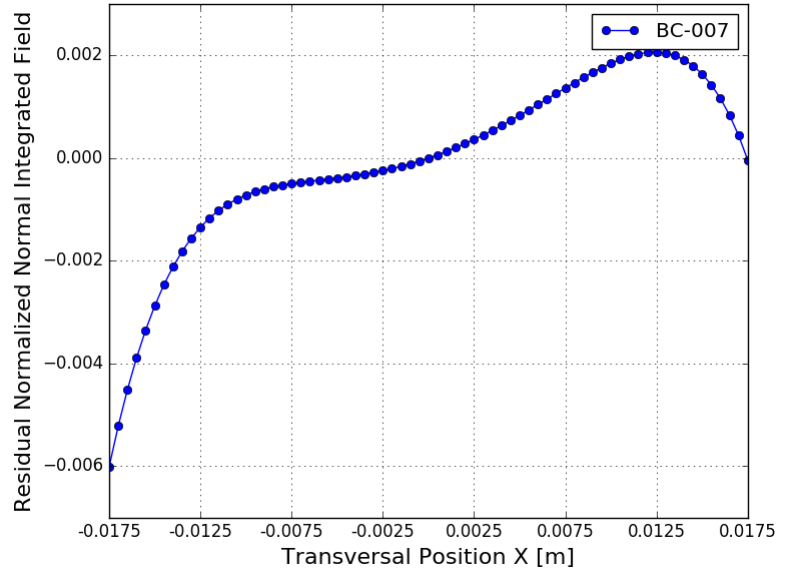


BC-007

BOOSTER MAGNET REPORT

Results

Date	17/03/2015
Hour	08:49:19
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.010)
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3247 \pm 0.0002) \times E-3$
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	$(-8 \pm 1) \times E-1$
Electric Parameters	
Indutance [mH]	3.210
Voltage [V]	--
Resistance [$\text{m}\Omega$]	69.230
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 ± 0.00006)	$(-8.0 \pm 0.5) \times E-4$
2 (quadrupole)	$(2.1 \pm 0.1) \times E-3$	$(6 \pm 2) \times E-4$
3 (sextupole)	$(2.9 \pm 0.1) \times E-3$	$(4 \pm 1) \times E-4$
4	$(1 \pm 2) \times E-4$	$(1 \pm 2) \times E-4$
5	$(-2.4 \pm 0.2) \times E-3$	$(-3 \pm 2) \times E-4$
6	$(8 \pm 2) \times E-4$	$(4 \pm 3) \times E-4$
7	$(-4.1 \pm 0.1) \times E-3$	$(6 \pm 2) \times E-4$
8	$(6.2 \pm 14.4) \times E-5$	$(4.9 \pm 28.8) \times E-5$
9	$(2 \pm 2) \times E-4$	$(4.6 \pm 15.6) \times E-5$
10	$(6.6 \pm 18.9) \times E-5$	$(2 \pm 1) \times E-4$
11	$(5 \pm 2) \times E-4$	$(-4 \pm 2) \times E-4$
12	$(-1.3 \pm 17.6) \times E-5$	$(3 \pm 2) \times E-4$
13	$(5.3 \pm 18.3) \times E-5$	$(-5 \pm 2) \times E-4$
14	$(-1 \pm 2) \times E-4$	$(3.1 \pm 21.3) \times E-5$
15	$(-2 \pm 2) \times E-4$	$(-2 \pm 1) \times E-4$

