



# BC-044

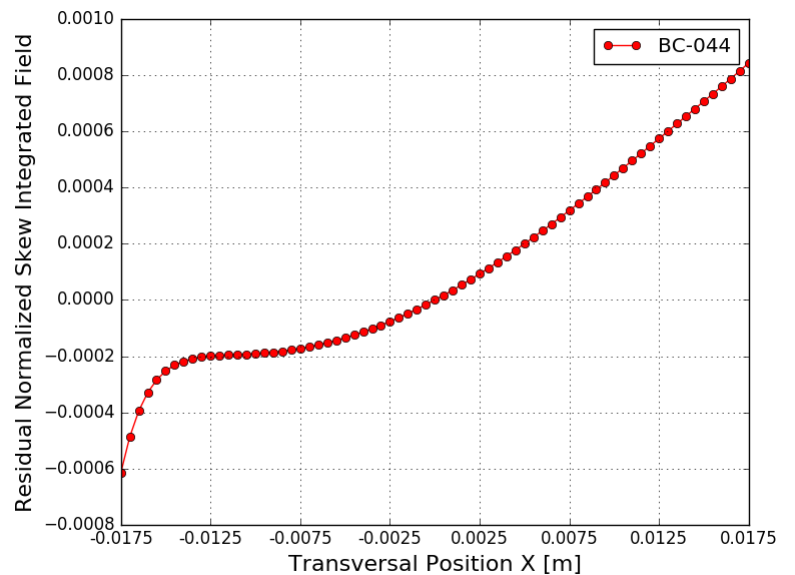
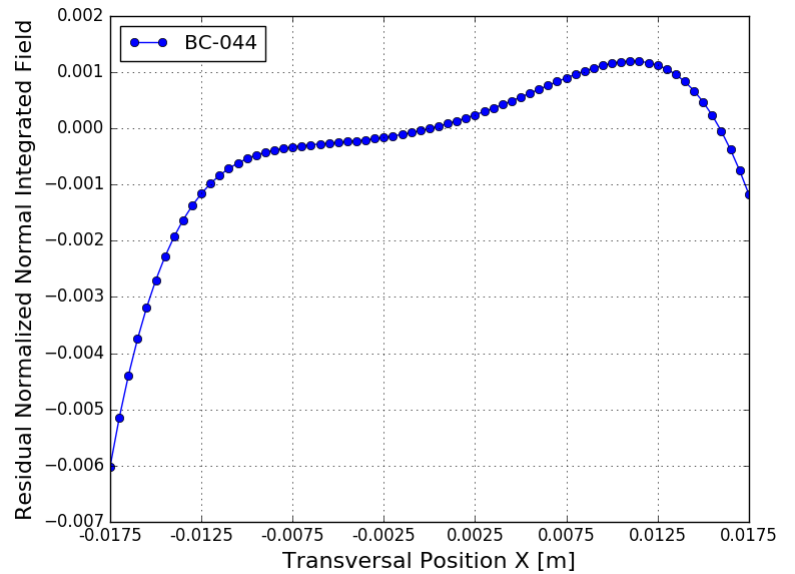
## BOOSTER MAGNET REPORT

### Results

Date	05/05/2015
Hour	16:45:44
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	$(9.978 \pm 0.003)$
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3855 \pm 0.0001) \times E-3$
Magnet Center Offset X [ $\mu\text{m}$ ]	--
Magnet Center Offset Y [ $\mu\text{m}$ ]	--
Roll [mrad]	$(-6.2 \pm 0.5) \times E-1$

### Electric Parameters

Indutance [mH]	3.124
Voltage [V]	0.686
Resistance [ $\text{m}\Omega$ ]	76.238
Main Coil Number of Turns	38.5



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