



# BC-037

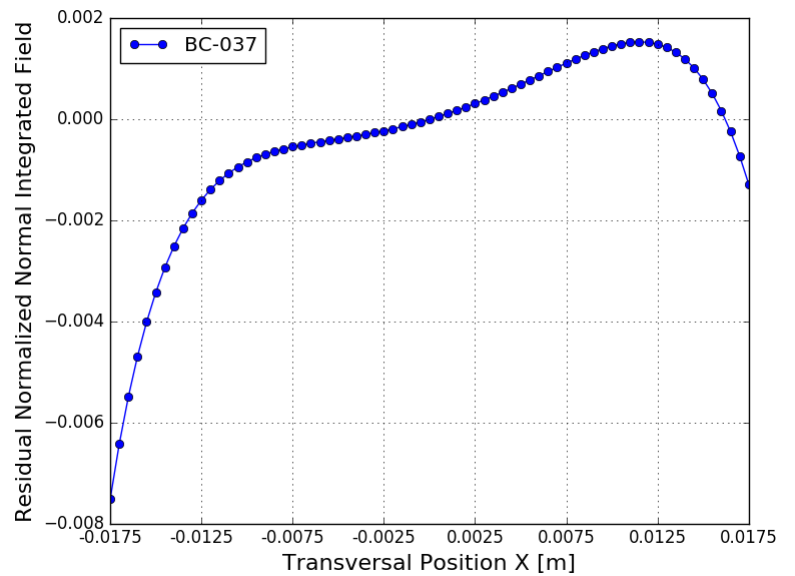
## BOOSTER MAGNET REPORT

### Results

Date	04/05/2015
Hour	17:10:02
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	$(9.977 \pm 0.004)$
Trim Coil Current [A]	--
Integrated Field [T.m]	$(-3.3796 \pm 0.0001) \times E-3$
Magnet Center Offset X [ $\mu\text{m}$ ]	--
Magnet Center Offset Y [ $\mu\text{m}$ ]	--
Roll [mrad]	$(-7.1 \pm 0.9) \times E-1$

### Electric Parameters

Indutance [mH]	3.128
Voltage [V]	0.681
Resistance [m $\Omega$ ]	75.675
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> ]
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1 (dipole)	$(1 \pm 0)$	$(-7 \pm 0) \times E-4$
2 (quadrupole)	$(2 \pm 0) \times E-3$	$(2 \pm 0) \times E-4$
3 (sextupole)	$(2 \pm 0) \times E-3$	$(2 \pm 0) \times E-4$
4	$(1 \pm 0) \times E-4$	$(-2 \pm 0) \times E-4$
5	$(-2 \pm 0) \times E-3$	$(-1 \pm 0) \times E-4$
6	$(8 \pm 0) \times E-4$	$(7 \pm 0) \times E-5$
7	$(-4 \pm 0) \times E-3$	$(-1 \pm 0) \times E-4$
8	$(5 \pm 0) \times E-5$	$(1 \pm 0) \times E-4$
9	$(-3 \pm 0) \times E-4$	$(-8 \pm 0) \times E-7$
10	$(-2 \pm 0) \times E-4$	$(6 \pm 0) \times E-5$
11	$(4 \pm 0) \times E-4$	$(8 \pm 0) \times E-5$
12	$(2 \pm 0) \times E-4$	$(5 \pm 0) \times E-5$
13	$(-2 \pm 0) \times E-4$	$(9 \pm 0) \times E-5$
14	$(2 \pm 0) \times E-4$	$(2 \pm 0) \times E-5$
15	$(-8 \pm 0) \times E-5$	$(-1 \pm 0) \times E-4$

