



BC-047

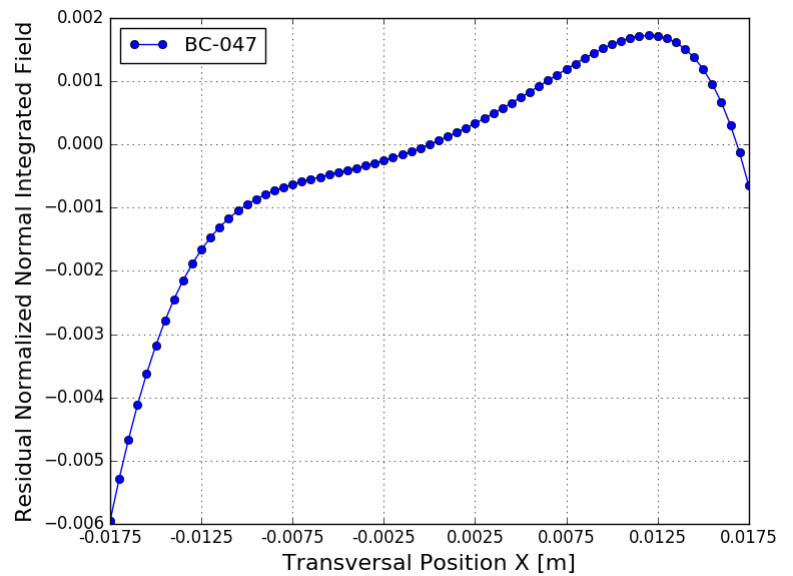
## BOOSTER MAGNET REPORT

### Results

Date	06/05/2015
Hour	10:39:46
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.979 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3819 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.8 ± 0.1)

### Electric Parameters

Indutance [mH]	3.107
Voltage [V]	0.713
Resistance [mΩ]	79.248
Main Coil Number of Turns	38.5



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

