



# BC-057

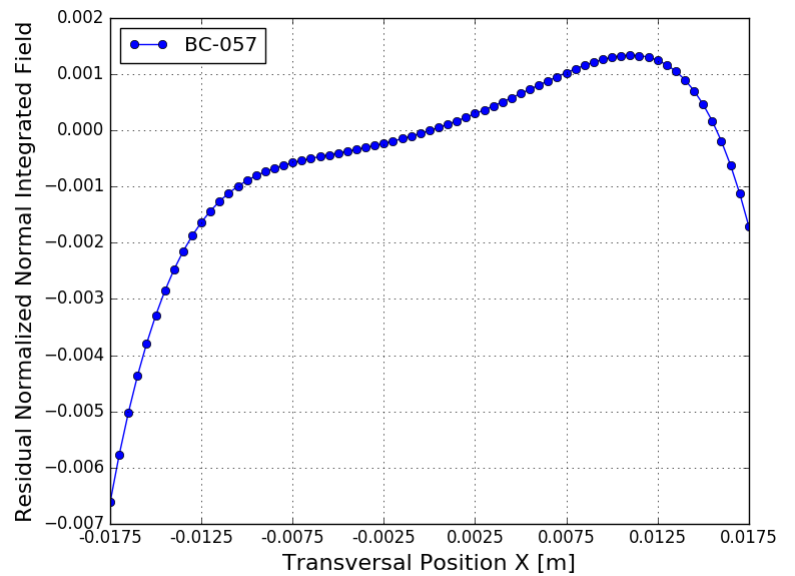
## BOOSTER MAGNET REPORT

### Results

Date	07/05/2015
Hour	17:01:21
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9783 ± 0.0005)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3877 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.56 ± 0.04)

### Electric Parameters

Indutance [mH]	3.097
Voltage [V]	0.693
Resistance [mΩ]	76.974
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	(2 ± 0) x E-4
4	(-7 ± 0) x E-6	(-2 ± 0) x E-4
5	(-2 ± 0) x E-3	(-8 ± 0) x E-5
6	(7 ± 0) x E-4	(5 ± 0) x E-5
7	(-4 ± 0) x E-3	(-3 ± 0) x E-5
8	(-3 ± 0) x E-5	(5 ± 0) x E-5
9	(-4 ± 0) x E-6	(-6 ± 0) x E-6
10	(-2 ± 0) x E-4	(2 ± 0) x E-6
11	(5 ± 0) x E-4	(-3 ± 0) x E-5
12	(6 ± 0) x E-5	(1 ± 0) x E-5
13	(-8 ± 0) x E-5	(-4 ± 0) x E-5
14	(3 ± 0) x E-5	(-3 ± 0) x E-5
15	(-1 ± 0) x E-4	(-2 ± 0) x E-5

