



BC-059

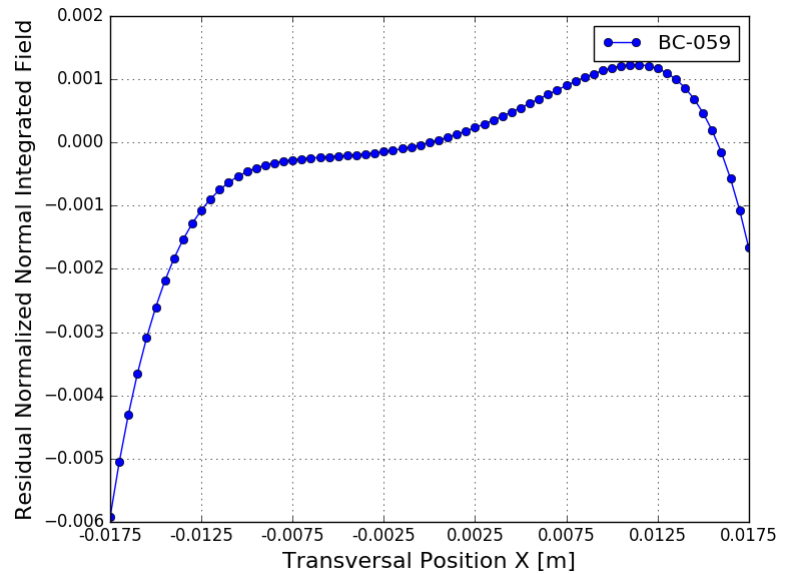
## BOOSTER MAGNET REPORT

### Results

Date	11/05/2015
Hour	15:28:46
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.9771 ± 0.0008)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3801 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.06 ± 0.05)

### Electric Parameters

Indutance [mH]	3.150
Voltage [V]	0.702
Resistance [mΩ]	78.044
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)	(-1 ± 0) x E-3
2 (quadrupole)	(1 ± 0) x E-3	(2 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(3 ± 0) x E-4
4	(3 ± 0) x E-5	(-4 ± 0) x E-5
5	(-2 ± 0) x E-3	(-7 ± 0) x E-5
6	(9 ± 0) x E-4	(-3 ± 0) x E-5
7	(-4 ± 0) x E-3	(-4 ± 0) x E-5
8	(-2 ± 0) x E-5	(5 ± 0) x E-5
9	(6 ± 0) x E-6	(-5 ± 0) x E-5
10	(-1 ± 0) x E-4	(-2 ± 0) x E-5
11	(5 ± 0) x E-4	(-2 ± 0) x E-5
12	(3 ± 0) x E-5	(9 ± 0) x E-7
13	(-4 ± 0) x E-5	(-7 ± 0) x E-6
14	(7 ± 0) x E-6	(-2 ± 0) x E-5
15	(-3 ± 0) x E-4	(8 ± 0) x E-6

