



# BC-061

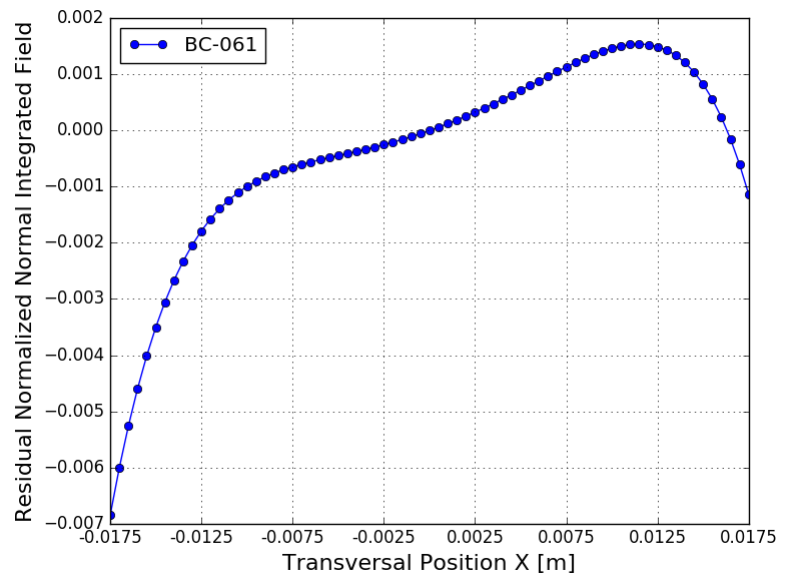
## BOOSTER MAGNET REPORT

### Results

Date	08/05/2015
Hour	09:58:01
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.9785 ± 0.0004)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3902 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-2.26 ± 0.04)

### Electric Parameters

Indutance [mH]	3.142
Voltage [V]	0.740
Resistance [mΩ]	82.175
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	(2 ± 0) x E-4	(-9 ± 0) x E-5
5	(-2 ± 0) x E-3	(-3 ± 0) x E-5
6	(8 ± 0) x E-4	(-3 ± 0) x E-5
7	(-4 ± 0) x E-3	(-6 ± 0) x E-5
8	(-3 ± 0) x E-5	(7 ± 0) x E-5
9	(-6 ± 0) x E-6	(-5 ± 0) x E-5
10	(-1 ± 0) x E-4	(-6 ± 0) x E-6
11	(5 ± 0) x E-4	(3 ± 0) x E-5
12	(-2 ± 0) x E-7	(-3 ± 0) x E-5
13	(-6 ± 0) x E-5	(4 ± 0) x E-5
14	(4 ± 0) x E-5	(5 ± 0) x E-6
15	(-5 ± 0) x E-5	(-3 ± 0) x E-5

