



BC-052

## BOOSTER MAGNET REPORT

### Results

Date 07/05/2015

Hour 09:05:12

Temperature [°C] --

Number of Measurements 20

Main Coil Current [A] (9.9805 ± 0.0007)

Trim Coil Current [A] --

Integrated Field [T.m] (-3.39103 ± 0.00007) x E-3

Magnet Center Offset X [μm] --

Magnet Center Offset Y [μm] --

Roll [mrad] (2.7 ± 0.6) x E-1

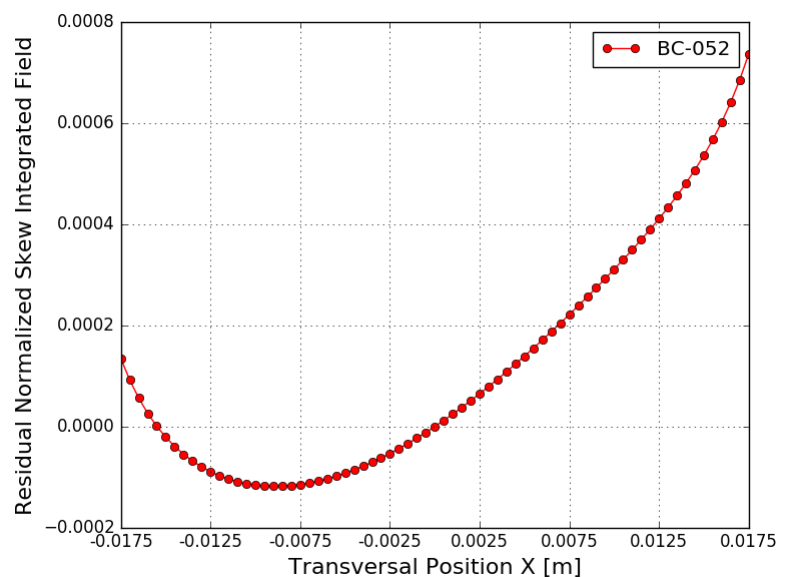
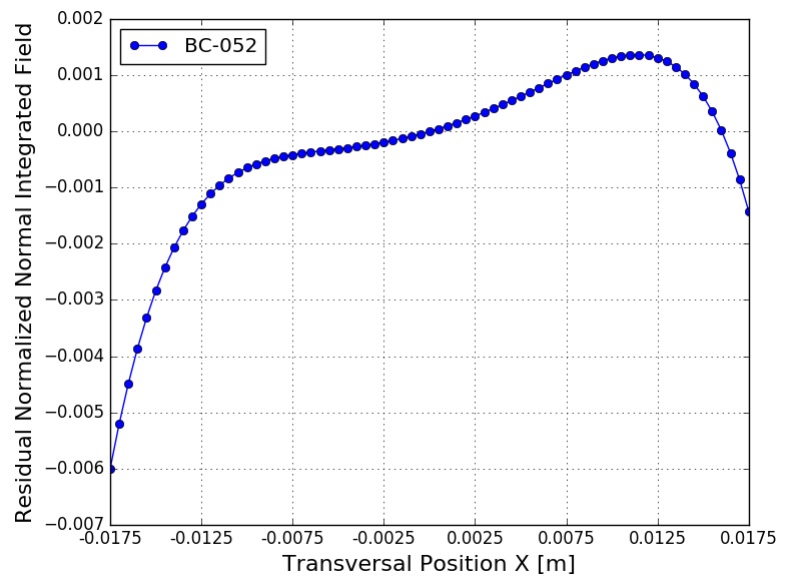
### Electric Parameters

Indutance [mH] 3.110

Voltage [V] 0.756

Resistance [mΩ] 84.016

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)	(3 ± 0) x E-4
2 (quadrupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(3 ± 0) x E-4
4	(-5 ± 0) x E-5	(-1 ± 0) x E-4
5	(-2 ± 0) x E-3	(2 ± 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	(3 ± 0) x E-5
9	(-7 ± 0) x E-5	(2 ± 0) x E-6
10	(-1 ± 0) x E-4	(7 ± 0) x E-6
11	(5 ± 0) x E-4	(3 ± 0) x E-5
12	(-3 ± 0) x E-5	(1 ± 0) x E-5
13	(-8 ± 0) x E-5	(3 ± 0) x E-5
14	(-1 ± 0) x E-5	(-2 ± 0) x E-5
15	(-6 ± 0) x E-5	(4 ± 0) x E-6