



BC-034

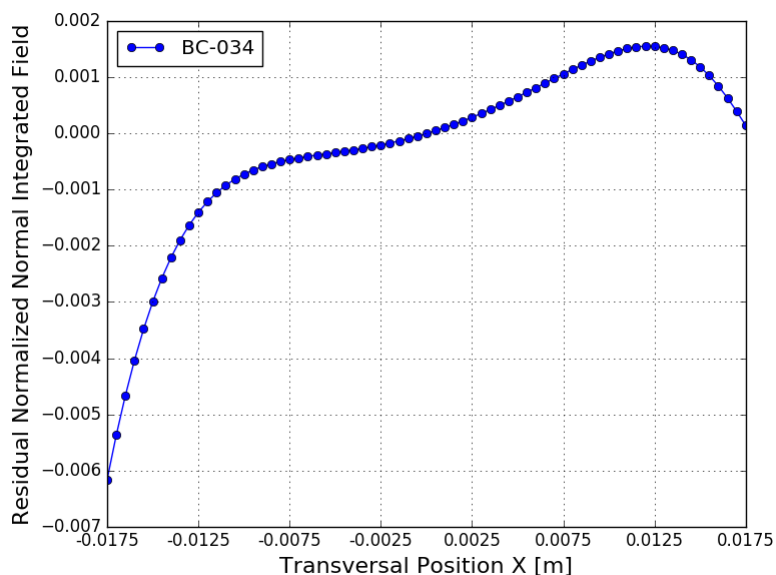
## BOOSTER MAGNET REPORT

### Results

Date	04/05/2015
Hour	12:43:58
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.007)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3841 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.6 ± 0.1)

### Electric Parameters

Indutance [mH]	3.138
Voltage [V]	0.674
Resistance [mΩ]	74.915
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	(3 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
4	(1 ± 0) x E-4	(-6 ± 0) x E-5
5	(-2 ± 0) x E-3	(7 ± 0) x E-5
6	(9 ± 0) x E-4	(-2 ± 0) x E-4
7	(-4 ± 0) x E-3	(-1 ± 0) x E-5
8	(2 ± 0) x E-4	(-2 ± 0) x E-4
9	(1 ± 0) x E-4	(1 ± 0) x E-4
10	(9 ± 0) x E-6	(2 ± 0) x E-4
11	(4 ± 0) x E-4	(7 ± 0) x E-5
12	(10 ± 0) x E-5	(-4 ± 0) x E-5
13	(-8 ± 0) x E-5	(8 ± 0) x E-5
14	(5 ± 0) x E-5	(-3 ± 0) x E-4
15	(2 ± 0) x E-4	(2 ± 0) x E-5

