



BC-031

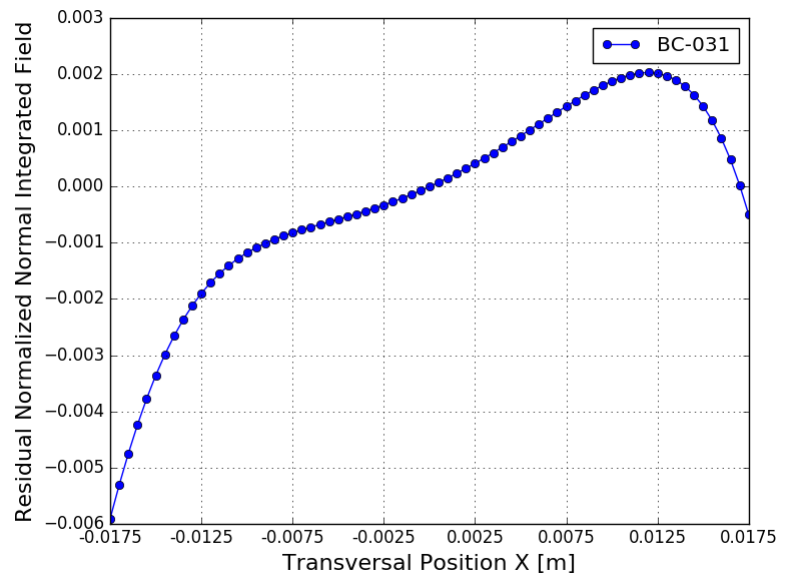
BOOSTER MAGNET REPORT

Results

Date	23/03/2015
Hour	13:50:32
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.980 ± 0.005)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3914 ± 0.0001) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-3 ± 1) x E-1

Electric Parameters

Inductance [mH]	3.122
Voltage [V]	0.677
Resistance [mΩ]	75.191
Main Coil Number of Turns	38.5



n	Normalized Normal Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=17.5 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(1.00000 ± 0.00004)	(-3.0 ± 0.4) x E-4
2 (quadrupole)	(2.59 ± 0.06) x E-3	(4.9 ± 0.7) x E-4
3 (sextupole)	(2.19 ± 0.06) x E-3	(1.7 ± 0.6) x E-4
4	(9 ± 8) x E-5	(-1.5 ± 0.5) x E-4
5	(-2.2 ± 0.1) x E-3	(-3 ± 1) x E-4
6	(7 ± 1) x E-4	(-4 ± 9) x E-5
7	(-3.79 ± 0.05) x E-3	(3 ± 1) x E-4
8	(-3 ± 1) x E-4	(-3.6 ± 14.1) x E-5
9	(3.2 ± 11.4) x E-5	(-8.9 ± 16.0) x E-5
10	(-3 ± 1) x E-4	(3.5 ± 11.2) x E-5
11	(5 ± 1) x E-4	(-8.9 ± 15.1) x E-5
12	(8.4 ± 16.7) x E-5	(-2 ± 1) x E-4
13	(1 ± 7) x E-5	(-2 ± 1) x E-4
14	(-8.0 ± 10.7) x E-5	(-3 ± 1) x E-4
15	(9.0 ± 16.0) x E-5	(-2 ± 1) x E-4

