



BC-018

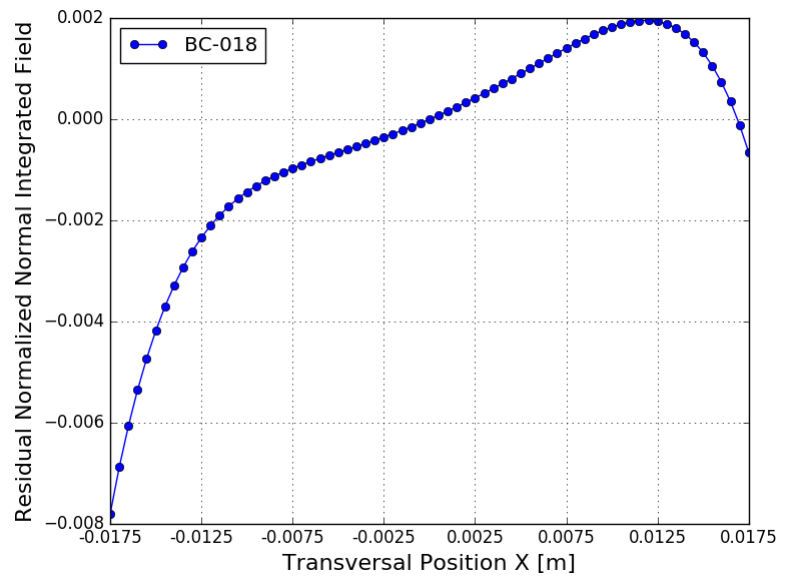
BOOSTER MAGNET REPORT

Results

Date	19/03/2015
Hour	11:04:33
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.006)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3944 ± 0.0003) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.35 ± 0.05)

Electric Parameters

Indutance [mH]	3.173
Voltage [V]	0.720
Resistance [mΩ]	80.050
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 ± 0.00008)	(-1.35 ± 0.02) x E-3
2 (quadrupole)	(2.71 ± 0.06) x E-3	(3.4 ± 0.6) x E-4
3 (sextupole)	(1.71 ± 0.08) x E-3	(-3 ± 5) x E-5
4	(2.3 ± 0.7) x E-4	(-1.6 ± 86.2) x E-6
5	(-2.1 ± 0.1) x E-3	(-5 ± 1) x E-4
6	(7.3 ± 0.8) x E-4	(1 ± 1) x E-4
7	(-4.06 ± 0.07) x E-3	(1.7 ± 1.0) x E-4
8	(-1 ± 1) x E-4	(-8.8 ± 10.1) x E-5
9	(-1 ± 1) x E-4	(-3 ± 1) x E-4
10	(-1.9 ± 0.7) x E-4	(7.0 ± 10.7) x E-5
11	(4.2 ± 0.9) x E-4	(-2 ± 1) x E-4
12	(1.4 ± 0.9) x E-4	(8 ± 9) x E-5
13	(6 ± 8) x E-5	(-7 ± 10) x E-5
14	(6 ± 4) x E-5	(2 ± 9) x E-5
15	(-1.6 ± 0.7) x E-4	(3.90 ± 105.85) x E-6

