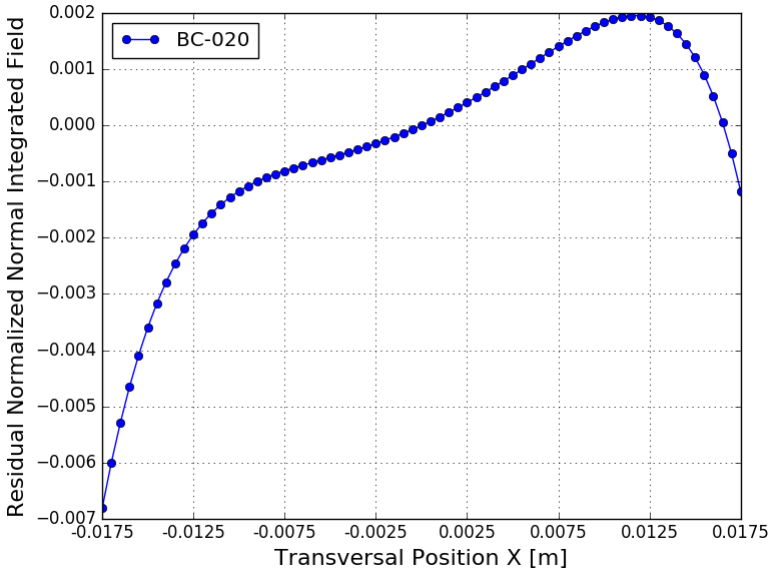
BC-020

BOOSTER MAGNET REPORT

Results	
Date	19/03/2015
Hour	14:12:06
Temperature [°C]	24.0
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.003)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.3976 ± 0.0002) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-1.4 ± 0.5) x E-1
Electric Parameters	
Indutance [mH]	3.148
Voltage [V]	0.678
Resistance [mΩ]	75.375
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 ± 0.00005)	(-1.4 ± 0.2) x E-4
2 (quadrupole)	(2.55 ± 0.06) x E-3	(1.11 ± 0.04) x E-3
3 (sextupole)	(2.18 ± 0.06) x E-3	(3.3 ± 0.4) x E-4
4	(5 ± 5) x E-5	(5 ± 8) x E-5
5	(-2.20 ± 0.07) x E-3	(-3.7 ± 0.5) x E-4
6	(6.2 ± 0.8) x E-4	(2 ± 1) x E-4
7	(-4.09 ± 0.09) x E-3	(2.7 ± 0.6) x E-4
8	(-1.1 ± 0.9) x E-4	(-3 ± 8) x E-5
9	(-2.0 ± 0.8) x E-4	(1 ± 9) x E-5
10	(-2.3 ± 0.7) x E-4	(-8.62 ± 101.37) x E-6
11	(4 ± 1) x E-4	(6.1 ± 11.0) x E-5
12	(-3 ± 9) x E-5	(8 ± 10) x E-5
13	(-3 ± 8) x E-5	(-5.3 ± 88.9) x E-6
14	(-4 ± 9) x E-5	(-2 ± 10) x E-5
15	(-7.6 ± 12.0) x E-5	(-1.2 ± 0.8) x E-4