

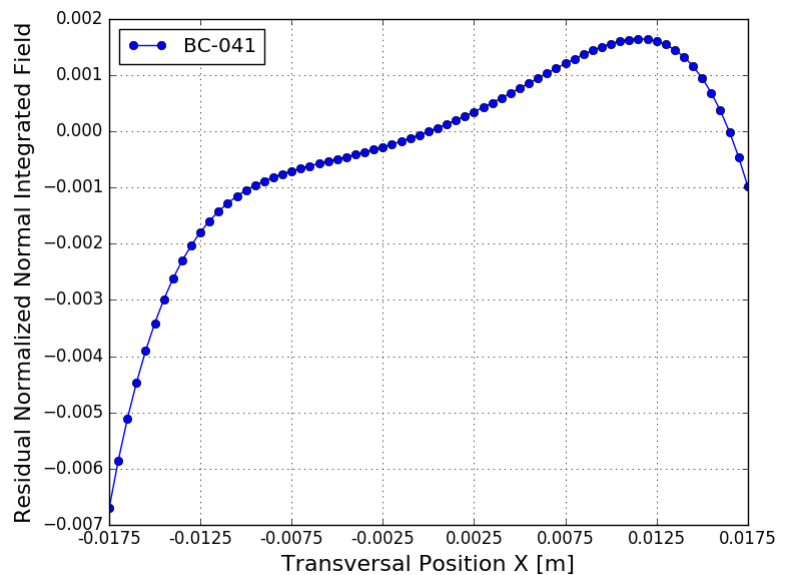


BC-041

BOOSTER MAGNET REPORT

Results

Date	05/05/2015
Hour	14:02:06
Temperature [°C]	--
Number of Measurements	20
Main Coil Current [A]	(9.978 ± 0.003)
Trim Coil Current [A]	--
Integrated Field [T.m]	(-3.39110 ± 0.00008) x E-3
Magnet Center Offset X [μm]	--
Magnet Center Offset Y [μm]	--
Roll [mrad]	(-5 ± 1) x E-1
Electric Parameters	
Indutance [mH]	3.130
Voltage [V]	0.718
Resistance [mΩ]	79.814
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 ± 0)	(-5 ± 0) x E-4
2 (quadrupole)	(2 ± 0) x E-3	(7 ± 0) x E-4
3 (sextupole)	(2 ± 0) x E-3	(4 ± 0) x E-4
4	(7 ± 0) x E-5	(2 ± 0) x E-6
5	(-2 ± 0) x E-3	(-5 ± 0) x E-5
6	(7 ± 0) x E-4	(3 ± 0) x E-5
7	(-4 ± 0) x E-3	(-6 ± 0) x E-5
8	(-2 ± 0) x E-4	(-4 ± 0) x E-5
9	(1 ± 0) x E-4	(3 ± 0) x E-5
10	(-8 ± 0) x E-5	(-2 ± 0) x E-5
11	(6 ± 0) x E-4	(1 ± 0) x E-5
12	(1 ± 0) x E-4	(-4 ± 0) x E-5
13	(-1 ± 0) x E-4	(2 ± 0) x E-5
14	(8 ± 0) x E-5	(-4 ± 0) x E-5
15	(-1 ± 0) x E-4	(-1 ± 0) x E-5

