



BS-035

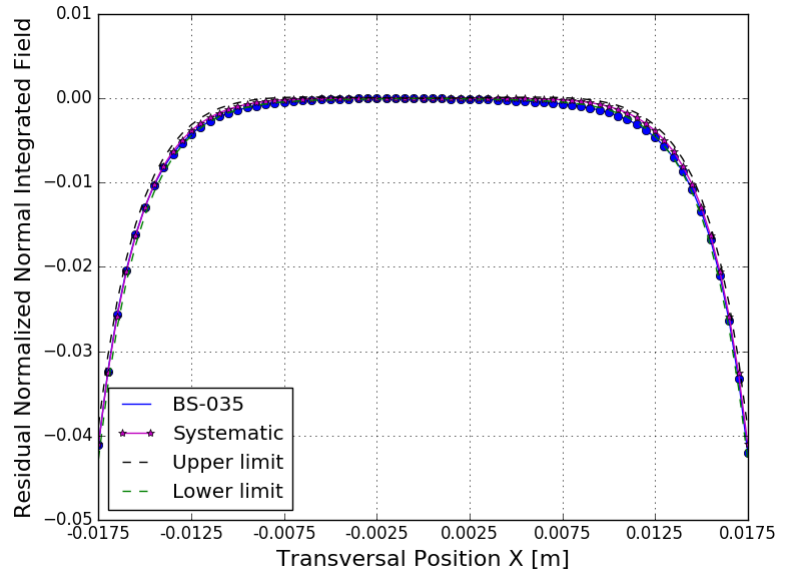
## BOOSTER MAGNET REPORT

### Results

Date	27/10/2016
Hour	14:13:29
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.9446 ± 0.0010)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4195 ± 0.0007)
Magnet Center Offset X [μm] - (< ±160.0)	(13.8 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-52.0 ± 0.2)
Roll [mrad] - (< ±0.8)	(1.37 ± 0.05) × E-1

### Electric Parameters

Inductance [mH]	0.110
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



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)	(-3.79 ± 0.04) × E-3	(-2.41 ± 0.02) × E-3
2 (quadrupole)	(1.57 ± 0.02) × E-3	(-5.94 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00003)	(4.1 ± 0.2) × E-4
4	(-2.9 ± 0.3) × E-4	(-5.2 ± 0.2) × E-4
5	(-2.15 ± 0.02) × E-3	(1.4 ± 0.2) × E-4
6	(8 ± 3) × E-5	(-1 ± 2) × E-5
7	(-5.1 ± 0.3) × E-4	(1.0 ± 0.3) × E-4
8	(-10 ± 4) × E-5	(4.9 ± 0.4) × E-4
9	(-2.177 ± 0.008) × E-2	(-5 ± 6) × E-5
10	(2 ± 5) × E-5	(5 ± 8) × E-5
11	(9 ± 6) × E-5	(1 ± 6) × E-5
12	(1.1 ± 61.8) × E-6	(-9.6 ± 31.4) × E-6
13	(-8 ± 4) × E-5	(-3.0 ± 38.8) × E-6
14	(-2.1 ± 0.6) × E-4	(6.5 ± 0.4) × E-4
15	(-1.71 ± 0.02) × E-2	(3.6 ± 11.7) × E-5

