



BS-015

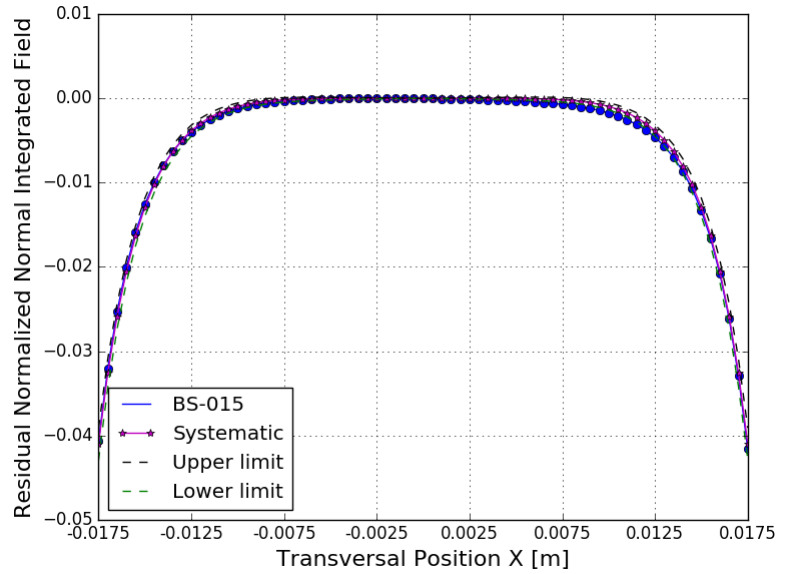
## BOOSTER MAGNET REPORT

### Results

Date	24/10/2016
Hour	15:37:35
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.949 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4229 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(7 ± 2) × E-1
Magnet Center Offset Y [μm] - (< ±160.0)	(-40.2 ± 0.2)
Roll [mrad] - (< ±0.8)	(2.23 ± 0.05) × E-1

### Electric Parameters

Inductance [mH]	0.107
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)	(-4.41 ± 0.02) × E-3	(-2.20 ± 0.04) × E-3
2 (quadrupole)	(8 ± 3) × E-5	(-4.59 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(6.7 ± 0.2) × E-4
4	(-4.7 ± 0.2) × E-4	(-1.02 ± 0.03) × E-3
5	(-1.99 ± 0.03) × E-3	(1.8 ± 0.3) × E-4
6	(4 ± 2) × E-5	(-5.84 ± 223.86) × E-7
7	(-3.7 ± 0.3) × E-4	(1.4 ± 0.3) × E-4
8	(4 ± 3) × E-5	(4.5 ± 0.4) × E-4
9	(-2.178 ± 0.004) × E-2	(-1.3 ± 0.4) × E-4
10	(2.1 ± 44.0) × E-6	(5 ± 6) × E-5
11	(1.4 ± 0.5) × E-4	(1 ± 3) × E-5
12	(-2 ± 4) × E-5	(-3 ± 6) × E-5
13	(-3.9 ± 46.6) × E-6	(9.6 ± 58.5) × E-6
14	(-6 ± 6) × E-5	(6.2 ± 0.6) × E-4
15	(-1.713 ± 0.007) × E-2	(-9.6 ± 10.4) × E-5

