



BS-037

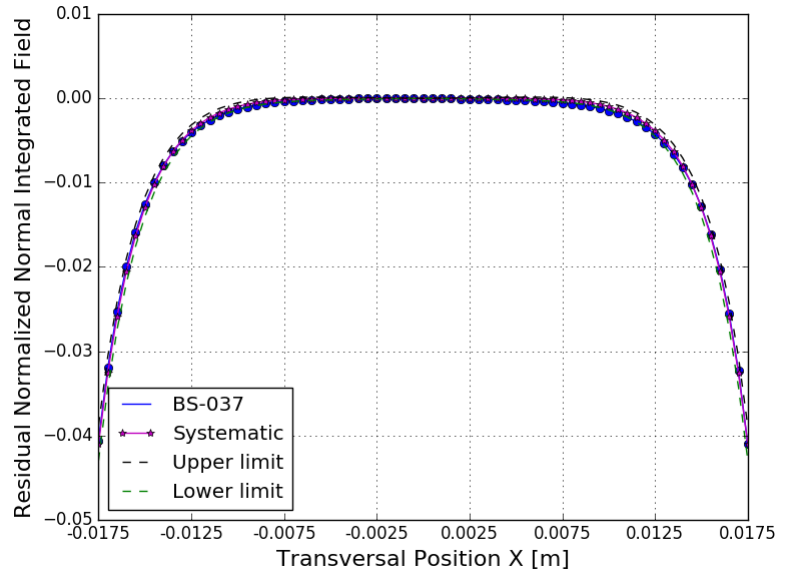
BOOSTER MAGNET REPORT

Results

Date	27/10/2016
Hour	11:45:25
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.945 ± 0.001)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4144 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(1.9 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-42.5 ± 0.2)
Roll [mrad] - (< ±0.8)	(-7.1 ± 0.8) × E-2

Electric Parameters

Inductance [mH]	0.109
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



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)	(-3.25 ± 0.04) × E-3	(-2.19 ± 0.03) × E-3
2 (quadrupole)	(2.2 ± 0.1) × E-4	(-4.86 ± 0.03) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-2.1 ± 0.3) × E-4
4	(-2.3 ± 0.1) × E-4	(-4.0 ± 0.4) × E-4
5	(-1.66 ± 0.03) × E-3	(1.1 ± 0.3) × E-4
6	(1.2 ± 0.3) × E-4	(-2 ± 3) × E-5
7	(-4.0 ± 0.2) × E-4	(1.2 ± 0.4) × E-4
8	(2 ± 3) × E-5	(3.6 ± 0.3) × E-4
9	(-2.176 ± 0.003) × E-2	(9.2 ± 30.5) × E-6
10	(2 ± 3) × E-5	(5 ± 5) × E-5
11	(1.3 ± 0.6) × E-4	(8.6 ± 45.3) × E-6
12	(-4 ± 3) × E-5	(3 ± 6) × E-5
13	(3 ± 5) × E-5	(2 ± 4) × E-5
14	(-8 ± 5) × E-5	(5.3 ± 0.4) × E-4
15	(-1.712 ± 0.005) × E-2	(2 ± 9) × E-5

