



BS-011

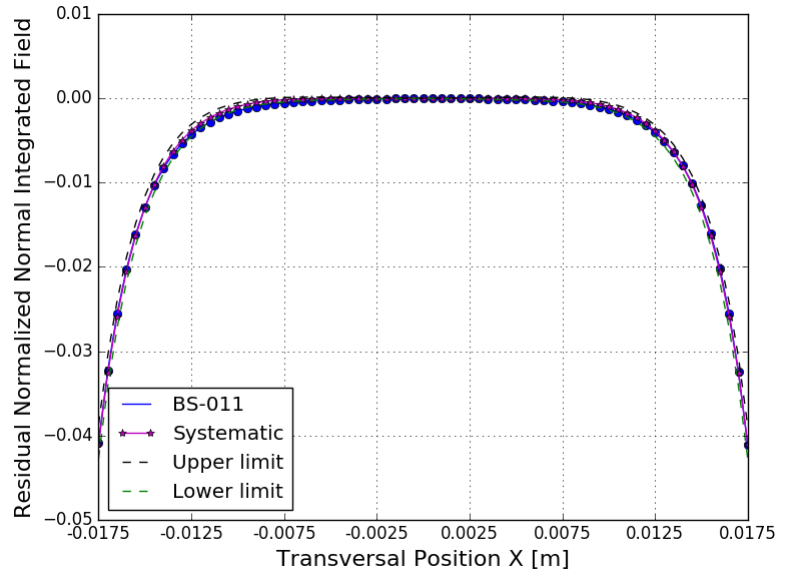
BOOSTER MAGNET REPORT

Results

Date	03/11/2016
Hour	11:09:01
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.953 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4564 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(12.7 ± 0.3)
Magnet Center Offset Y [μm] - (< ±160.0)	(-41.3 ± 0.4)
Roll [mrad] - (< ±0.8)	(-6.04 ± 0.08) × E-1

Electric Parameters

Inductance [mH]	--
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)	(-3.65 ± 0.03) × E-3	(2.4 ± 0.5) × E-4
2 (quadrupole)	(1.45 ± 0.03) × E-3	(-4.72 ± 0.04) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-1.81 ± 0.03) × E-3
4	(1.6 ± 0.3) × E-4	(-5.3 ± 0.4) × E-4
5	(-1.72 ± 0.02) × E-3	(-2.3 ± 0.4) × E-4
6	(1.3 ± 0.3) × E-4	(4.8 ± 37.7) × E-6
7	(-3.9 ± 0.3) × E-4	(-2.4 ± 0.7) × E-4
8	(-7 ± 6) × E-5	(3.6 ± 0.7) × E-4
9	(-2.179 ± 0.005) × E-2	(8 ± 5) × E-5
10	(-4.67 ± 360.88) × E-7	(4 ± 5) × E-5
11	(1.1 ± 0.4) × E-4	(5 ± 4) × E-5
12	(-3 ± 3) × E-5	(-1 ± 6) × E-5
13	(-3 ± 4) × E-5	(5.8 ± 41.9) × E-6
14	(-3.3 ± 0.3) × E-4	(6.4 ± 0.6) × E-4
15	(-1.719 ± 0.006) × E-2	(1 ± 3) × E-5

