



BS-018

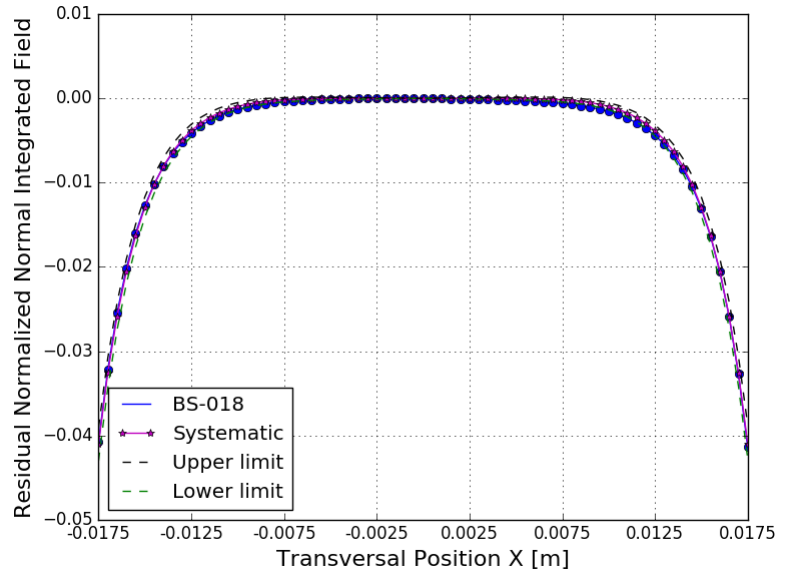
BOOSTER MAGNET REPORT

Results

Date	01/11/2016
Hour	09:19:29
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.975 ± 0.001)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4501 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(1.7 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-41.0 ± 0.2)
Roll [mrad] - (< ±0.8)	(2.3 ± 0.6) × 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)	(-3.53 ± 0.02) × E-3	(-1.56 ± 0.02) × E-3
2 (quadrupole)	(1.9 ± 0.2) × E-4	(-4.69 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00003)	(7 ± 2) × E-5
4	(-2.7 ± 0.2) × E-4	(-1.32 ± 0.02) × E-3
5	(-1.86 ± 0.02) × E-3	(2 ± 2) × E-5
6	(1.3 ± 0.3) × E-4	(-6.3 ± 34.5) × E-6
7	(-4.6 ± 0.3) × E-4	(-3 ± 2) × E-5
8	(2 ± 6) × E-5	(5.5 ± 0.6) × E-4
9	(-2.180 ± 0.005) × E-2	(4 ± 4) × E-5
10	(3 ± 4) × E-5	(7 ± 4) × E-5
11	(9 ± 5) × E-5	(-5.7 ± 47.9) × E-6
12	(-6 ± 5) × E-5	(9.8 ± 35.7) × E-6
13	(2 ± 6) × E-5	(-2 ± 7) × E-5
14	(-1.6 ± 0.6) × E-4	(6.0 ± 0.5) × E-4
15	(-1.708 ± 0.006) × E-2	(-2 ± 4) × E-5

