



BS-012

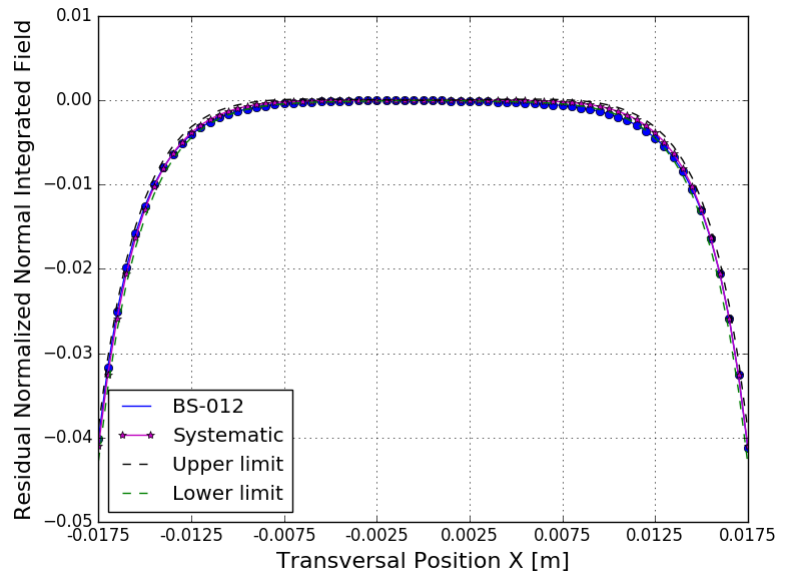
BOOSTER MAGNET REPORT

Results

Date	19/10/2016
Hour	08:49:37
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.989 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4075 ± 0.0004)
Magnet Center Offset X [μm] - (< ±160.0)	(12.0 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-47.3 ± 0.2)
Roll [mrad] - (< ±0.8)	(3.08 ± 0.05) x 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)	(-3.86 ± 0.01) x E-3	(-2.78 ± 0.03) x E-3
2 (quadrupole)	(1.38 ± 0.01) x E-3	(-5.40 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(9.2 ± 0.2) x E-4
4	(-2.7 ± 0.2) x E-4	(-7.9 ± 0.3) x E-4
5	(-1.92 ± 0.03) x E-3	(1.5 ± 0.4) x E-4
6	(5 ± 3) x E-5	(5 ± 5) x E-5
7	(-3.7 ± 0.4) x E-4	(1.5 ± 0.4) x E-4
8	(-1.1 ± 0.3) x E-4	(5.0 ± 0.6) x E-4
9	(-2.167 ± 0.002) x E-2	(-1.1 ± 0.3) x E-4
10	(1 ± 3) x E-5	(2 ± 4) x E-5
11	(1.1 ± 0.4) x E-4	(-1 ± 6) x E-5
12	(-3 ± 7) x E-5	(-6.6 ± 12.1) x E-5
13	(-2 ± 4) x E-5	(1.4 ± 44.1) x E-6
14	(-1.5 ± 0.4) x E-4	(6.4 ± 0.4) x E-4
15	(-1.680 ± 0.005) x E-2	(-8 ± 4) x E-5

