



BS-022

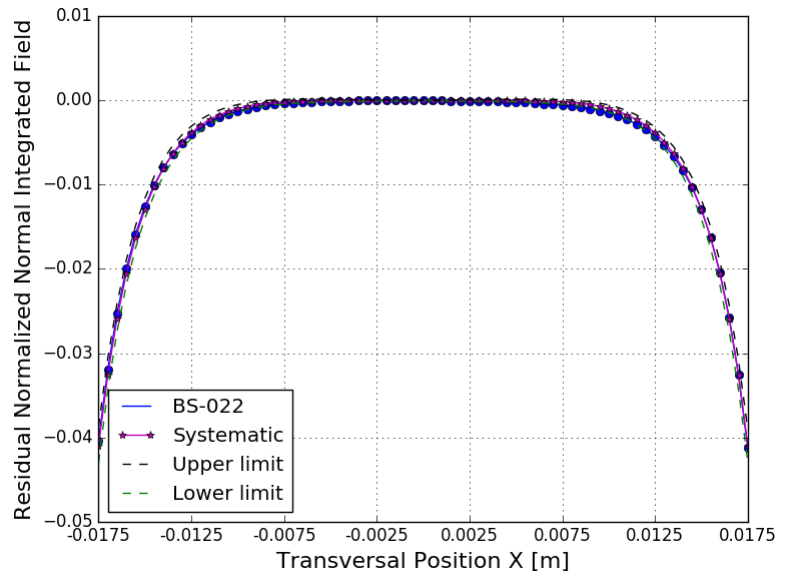
BOOSTER MAGNET REPORT

Results

Date	31/10/2016
Hour	10:58:52
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.944 ± 0.001)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4140 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(-1.7 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-50.5 ± 0.2)
Roll [mrad] - (< ±0.8)	(-3.23 ± 0.03) × E-1

Electric Parameters

Inductance [mH]	0.111
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)	(-3.33 ± 0.04) × E-3	(-10.0 ± 0.3) × E-4
2 (quadrupole)	(-1.9 ± 0.3) × E-4	(-5.78 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-9.69 ± 0.09) × E-4
4	(-2.4 ± 0.3) × E-4	(-8 ± 2) × E-5
5	(-1.73 ± 0.02) × E-3	(-2 ± 3) × E-5
6	(10 ± 3) × E-5	(-3 ± 3) × E-5
7	(-4.4 ± 0.5) × E-4	(-9 ± 5) × E-5
8	(8 ± 5) × E-5	(4.1 ± 0.6) × E-4
9	(-2.174 ± 0.003) × E-2	(2 ± 5) × E-5
10	(4 ± 5) × E-5	(5 ± 5) × E-5
11	(1.3 ± 0.5) × E-4	(2 ± 5) × E-5
12	(-2 ± 2) × E-5	(4.2 ± 36.3) × E-6
13	(3 ± 7) × E-5	(1 ± 7) × E-5
14	(-3.2 ± 0.9) × E-4	(5.8 ± 0.9) × E-4
15	(-1.708 ± 0.006) × E-2	(-6 ± 4) × E-5

