



BS-020

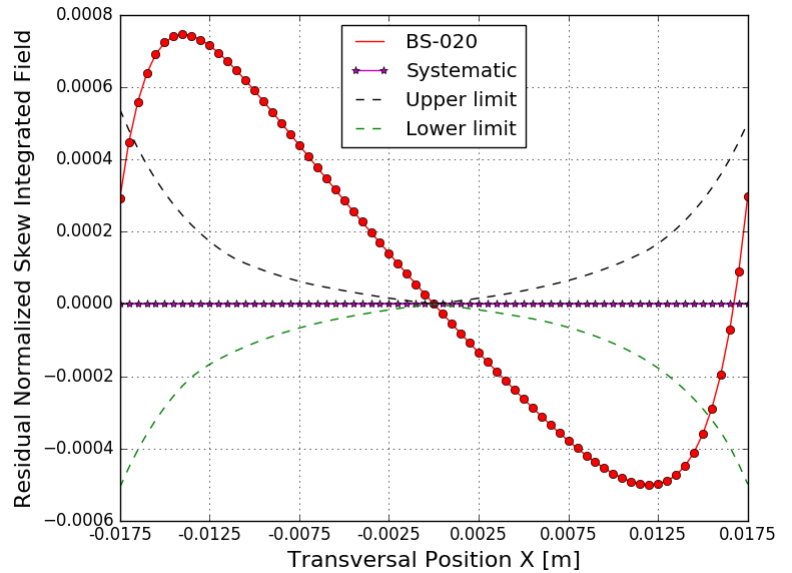
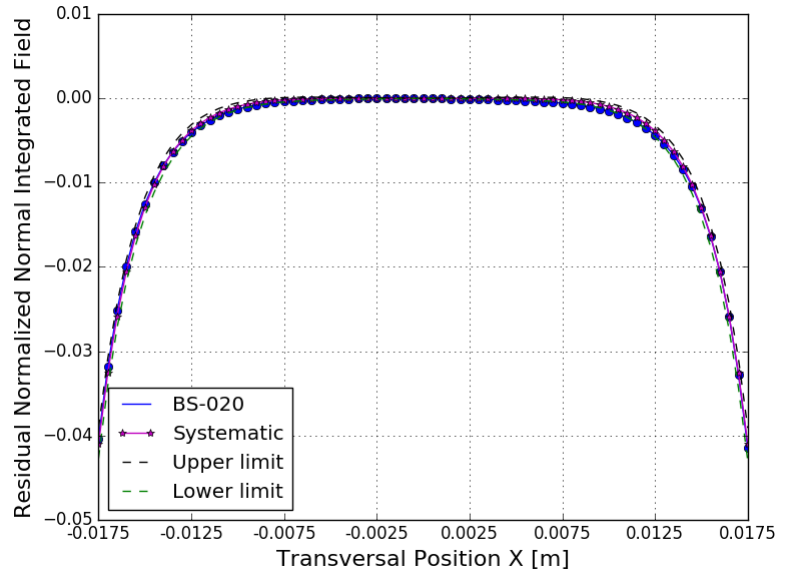
BOOSTER MAGNET REPORT

Results

Date	31/10/2016
Hour	15:35:22
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.948 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4328 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(11.6 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-34.1 ± 0.3)
Roll [mrad] - (< ±0.8)	(-2.6 ± 0.7) × E-2

Electric Parameters

Inductance [mH]	0.108
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)	(-3.97 ± 0.02) × E-3	(-2.07 ± 0.04) × E-3
2 (quadrupole)	(1.33 ± 0.01) × E-3	(-3.90 ± 0.03) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-8 ± 2) × E-5
4	(-2.4 ± 0.2) × E-4	(-9.6 ± 0.3) × E-4
5	(-1.77 ± 0.02) × E-3	(1.4 ± 0.4) × E-4
6	(10 ± 2) × E-5	(-4 ± 4) × E-5
7	(-4.0 ± 0.4) × E-4	(1.4 ± 0.3) × E-4
8	(-10 ± 3) × E-5	(3.9 ± 0.5) × E-4
9	(-2.176 ± 0.005) × E-2	(-4.0 ± 36.4) × E-6
10	(-5.8 ± 46.5) × E-6	(9 ± 3) × E-5
11	(1.1 ± 0.4) × E-4	(10.0 ± 35.9) × E-6
12	(-3 ± 7) × E-5	(9.1 ± 37.7) × E-6
13	(2.6 ± 75.0) × E-6	(2 ± 7) × E-5
14	(-2 ± 1) × E-4	(5 ± 1) × E-4
15	(-1.710 ± 0.009) × E-2	(-1 ± 9) × E-5