



BS-016

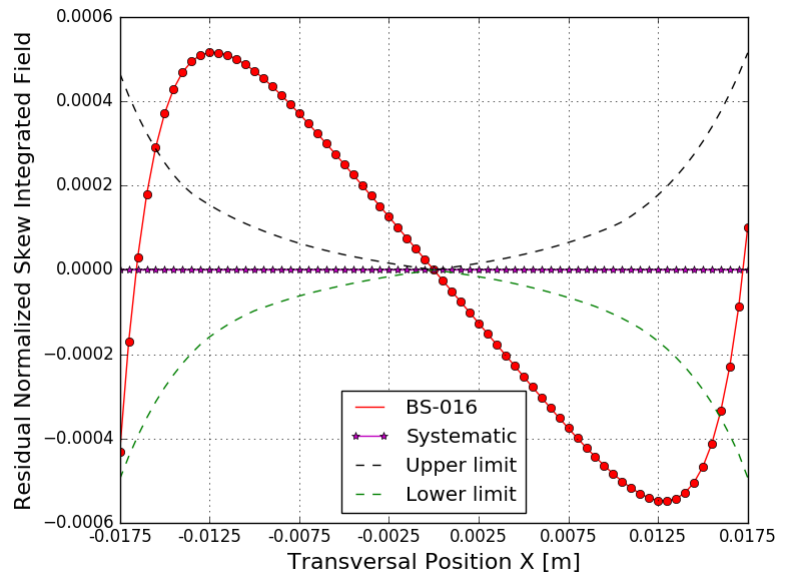
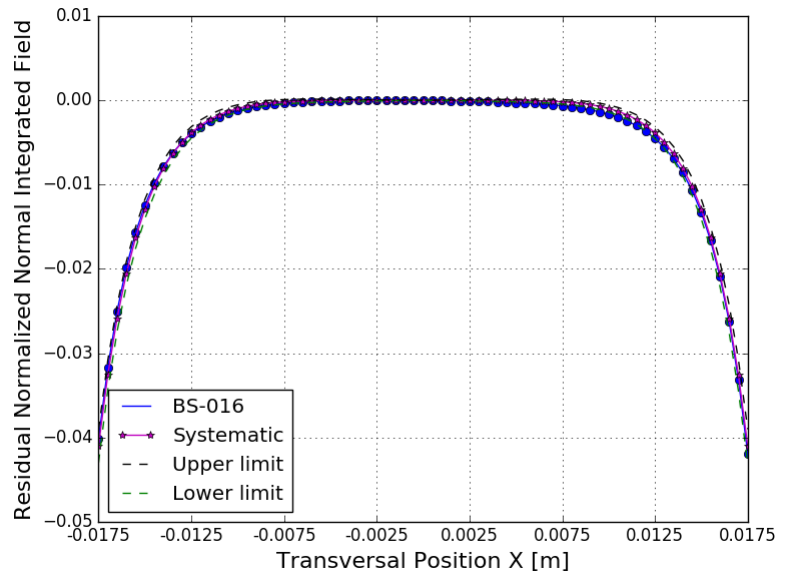
BOOSTER MAGNET REPORT

Results

Date	25/10/2016
Hour	09:11:00
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.965 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4309 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(20.8 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-46.2 ± 0.2)
Roll [mrad] - (< ±0.8)	(-9.7 ± 0.5) × E-2

Electric Parameters

Inductance [mH]	0.107
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)	(-4.11 ± 0.01) × E-3	(-1.37 ± 0.03) × E-3
2 (quadrupole)	(2.38 ± 0.02) × E-3	(-5.28 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-2.9 ± 0.2) × E-4
4	(-3.7 ± 0.3) × E-4	(-8.8 ± 0.4) × E-4
5	(-1.86 ± 0.04) × E-3	(-1 ± 5) × E-5
6	(4 ± 2) × E-5	(-3 ± 3) × E-5
7	(-3.9 ± 0.3) × E-4	(-10.0 ± 33.7) × E-6
8	(-1.9 ± 0.4) × E-4	(4.8 ± 0.3) × E-4
9	(-2.177 ± 0.003) × E-2	(-3 ± 3) × E-5
10	(5 ± 5) × E-5	(3 ± 5) × E-5
11	(1.3 ± 0.9) × E-4	(-2 ± 9) × E-5
12	(-3 ± 5) × E-5	(-2 ± 4) × E-5
13	(-5 ± 8) × E-5	(-3.9 ± 11.3) × E-5
14	(-3.4 ± 0.4) × E-4	(6.8 ± 0.3) × E-4
15	(-1.713 ± 0.003) × E-2	(-6 ± 4) × E-5