



BS-033

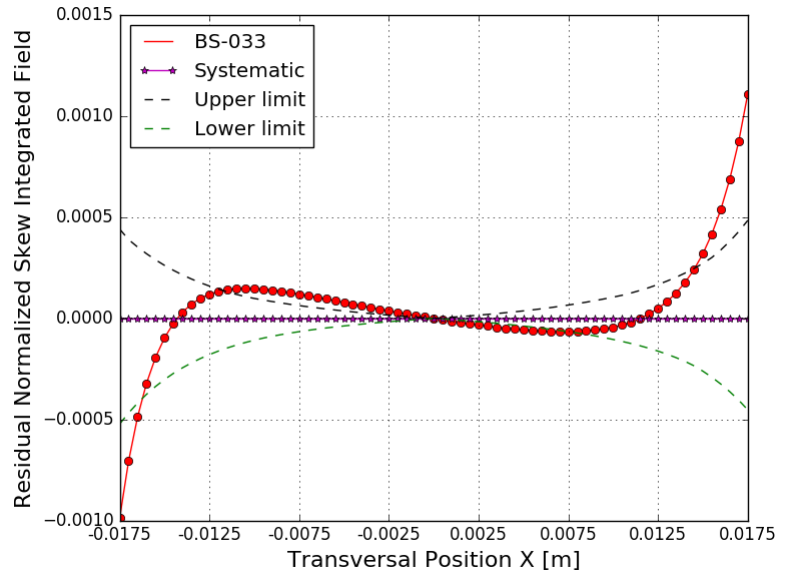
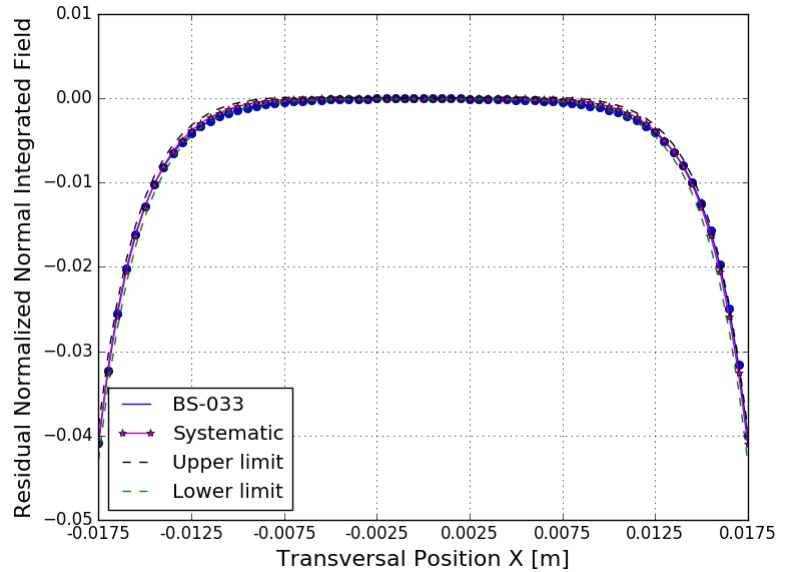
BOOSTER MAGNET REPORT

Results

Date	20/10/2016
Hour	09:05:55
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.965 ± 0.002)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.3955 ± 0.0008)
Magnet Center Offset X [μm] - (< ±160.0)	(-10.4 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-56.0 ± 0.4)
Roll [mrad] - (< ±0.8)	(2.41 ± 0.06) x E-1

Electric Parameters

Indutance [mH]	0.105
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)	(-3.03 ± 0.02) x E-3	(-2.03 ± 0.03) x E-3
2 (quadrupole)	(-1.19 ± 0.02) x E-3	(-6.40 ± 0.05) x E-3
3 (sextupole)	(1.00000 ± 0.00004)	(7.2 ± 0.2) x E-4
4	(-5 ± 2) x E-5	(-2.4 ± 0.3) x E-4
5	(-1.69 ± 0.02) x E-3	(1.3 ± 0.5) x E-4
6	(1.8 ± 0.2) x E-4	(5 ± 5) x E-5
7	(-3.8 ± 0.3) x E-4	(1.0 ± 0.4) x E-4
8	(1.4 ± 0.3) x E-4	(5.5 ± 0.4) x E-4
9	(-2.163 ± 0.005) x E-2	(-7 ± 4) x E-5
10	(-5.2 ± 42.9) x E-6	(5 ± 7) x E-5
11	(1.3 ± 0.2) x E-4	(1 ± 6) x E-5
12	(-2 ± 6) x E-5	(-2 ± 6) x E-5
13	(8.3 ± 25.2) x E-6	(2 ± 5) x E-5
14	(1.8 ± 0.4) x E-4	(6.7 ± 0.5) x E-4
15	(-1.686 ± 0.006) x E-2	(-1.4 ± 0.4) x E-4