



BS-025

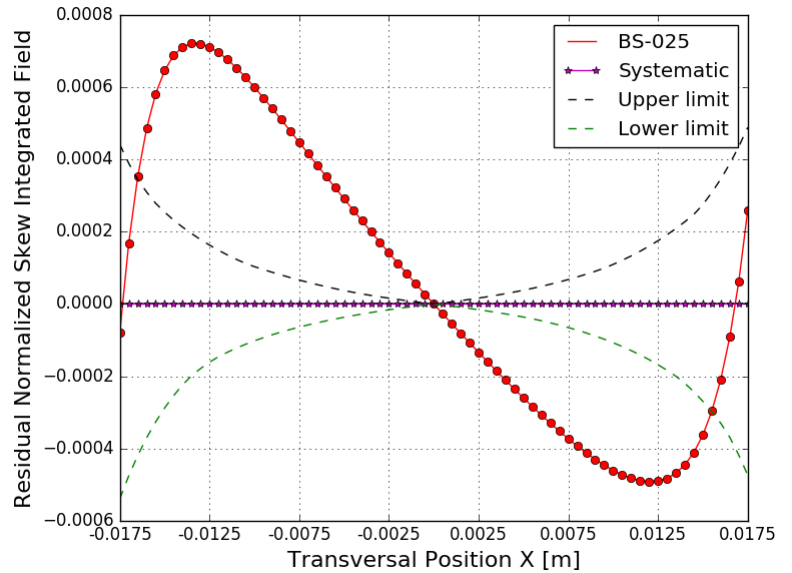
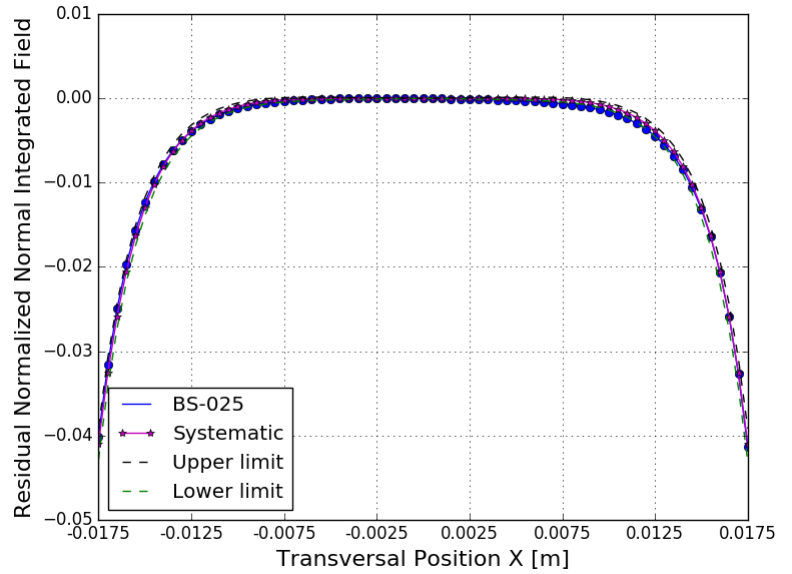
BOOSTER MAGNET REPORT

Results

Date	21/10/2016
Hour	12:04:31
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.954 ± 0.002)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4396 ± 0.0006)
Magnet Center Offset X [μm] - (< ±160.0)	(16.1 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-44.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(3.18 ± 0.04) x E-1

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)	(-3.428 ± 0.010) x E-3	(-2.71 ± 0.02) x E-3
2 (quadrupole)	(1.84 ± 0.02) x E-3	(-5.13 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(9.5 ± 0.1) x E-4
4	(-3.8 ± 0.1) x E-4	(-9.6 ± 0.2) x E-4
5	(-1.80 ± 0.02) x E-3	(1.8 ± 0.2) x E-4
6	(10 ± 4) x E-5	(-6 ± 5) x E-5
7	(-3.9 ± 0.4) x E-4	(1.5 ± 0.2) x E-4
8	(-1.5 ± 0.5) x E-4	(4.6 ± 0.3) x E-4
9	(-2.165 ± 0.004) x E-2	(-1.3 ± 0.6) x E-4
10	(-2 ± 4) x E-5	(5 ± 4) x E-5
11	(1.6 ± 0.7) x E-4	(-1.5 ± 45.2) x E-6
12	(-5.2 ± 13.4) x E-5	(2 ± 7) x E-5
13	(-4 ± 5) x E-5	(-3 ± 7) x E-5
14	(-1.2 ± 0.5) x E-4	(6.5 ± 0.3) x E-4
15	(-1.703 ± 0.005) x E-2	(-8 ± 4) x E-5