



BS-010

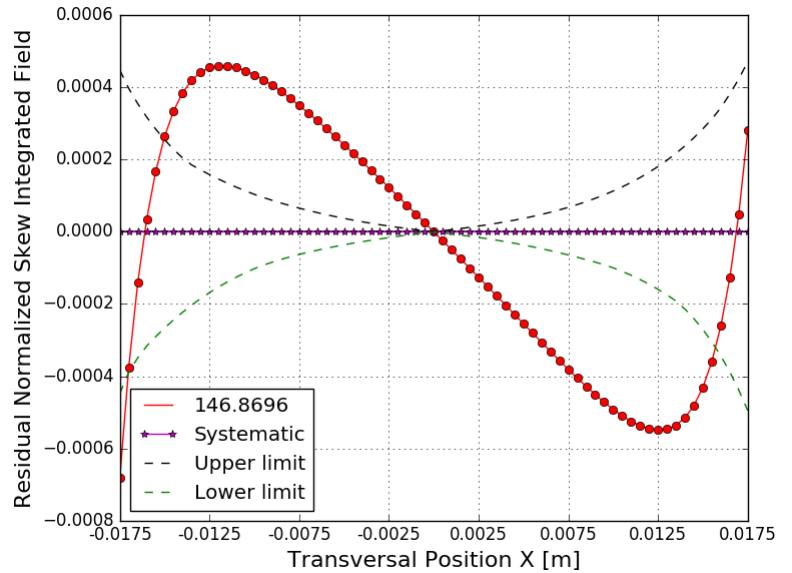
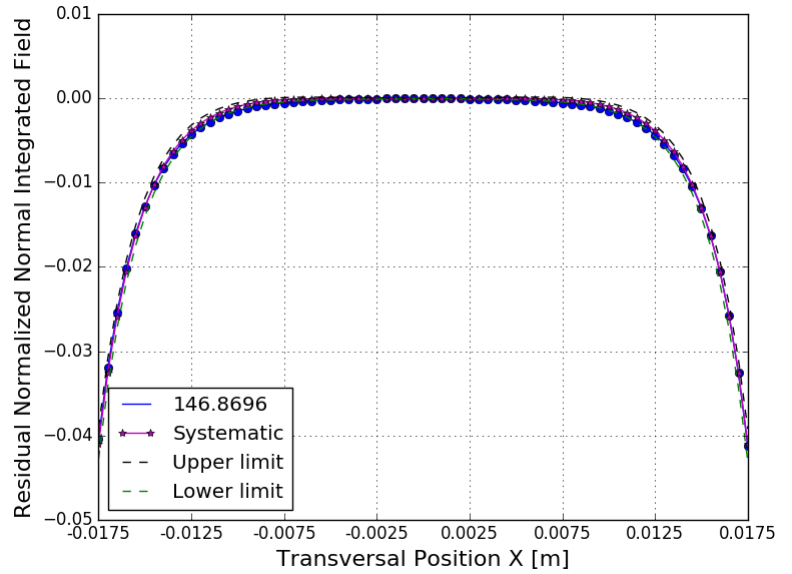
BOOSTER MAGNET REPORT

Results

Date	12/09/2016
Hour	11:13:40
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(146.870 ± 0.004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-20.9851 ± 0.0005)
Magnet Center Offset X [μm] - (< ±160.0)	(22.8 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-50.7 ± 0.2)
Roll [mrad] - (< ±0.8)	(-4.5 ± 0.6) × E-2

Electric Parameters

Inductance [mH]	--
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)	(-3.86 ± 0.03) × E-3	(-1.43 ± 0.05) × E-3
2 (quadrupole)	(2.61 ± 0.02) × E-3	(-5.80 ± 0.03) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-1.4 ± 0.2) × E-4
4	(-2 ± 1) × E-5	(-8.7 ± 0.3) × E-4
5	(-2.04 ± 0.02) × E-3	(-8 ± 2) × E-5
6	(1.2 ± 0.3) × E-4	(-1.7 ± 19.4) × E-6
7	(-4.3 ± 0.2) × E-4	(-1 ± 4) × E-5
8	(-2.0 ± 0.2) × E-4	(5.3 ± 0.3) × E-4
9	(-2.164 ± 0.003) × E-2	(-2 ± 2) × E-5
10	(-2 ± 2) × E-5	(4 ± 3) × E-5
11	(1.2 ± 0.4) × E-4	(3 ± 3) × E-5
12	(-4 ± 4) × E-5	(-2 ± 2) × E-5
13	(-3 ± 4) × E-5	(2 ± 4) × E-5
14	(-2.3 ± 0.5) × E-4	(8.1 ± 0.7) × E-4
15	(-1.681 ± 0.003) × E-2	(-1.3 ± 0.5) × E-4