



BS-009

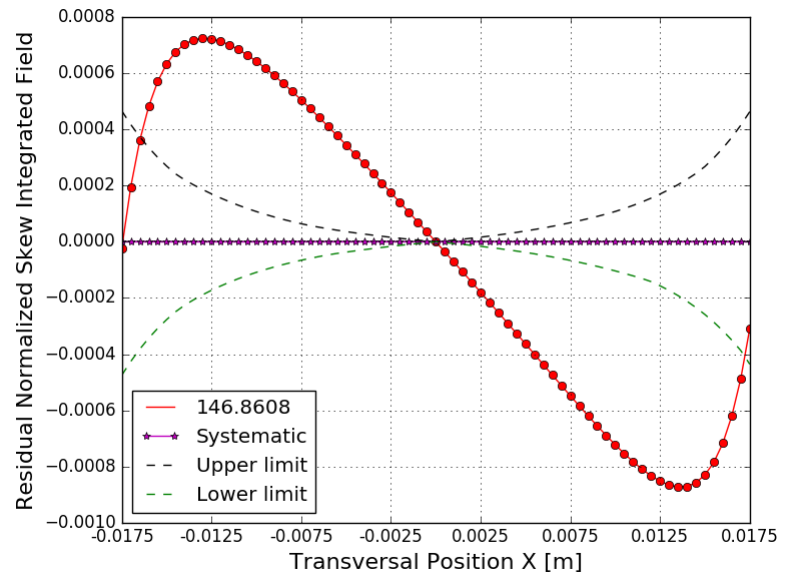
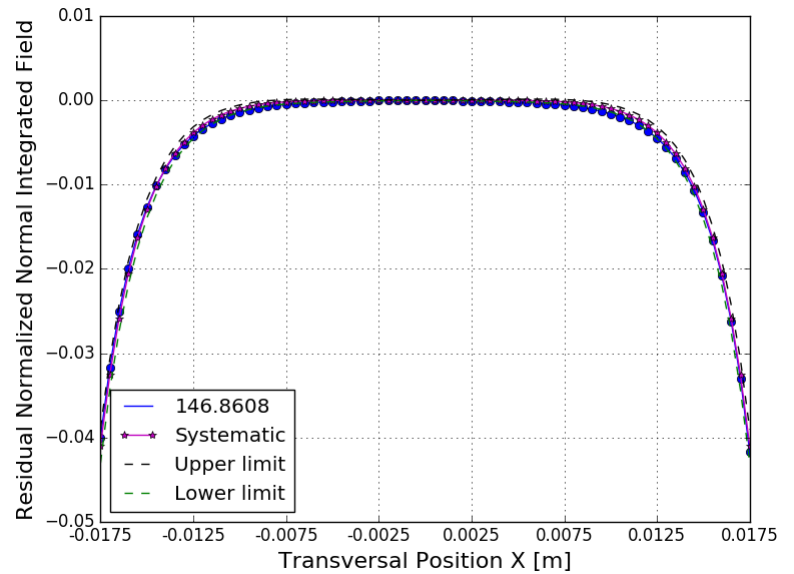
BOOSTER MAGNET REPORT

Results

Date	12/09/2016
Hour	14:38:07
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(146.861 ± 0.003)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-20.9595 ± 0.0004)
Magnet Center Offset X [μm] - (< ±160.0)	(37.0 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-38.9 ± 0.3)
Roll [mrad] - (< ±0.8)	(-2.38 ± 0.05) × E-1

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)	(-3.89 ± 0.02) × E-3	(-1.19 ± 0.04) × E-3
2 (quadrupole)	(4.23 ± 0.02) × E-3	(-4.45 ± 0.04) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-7.2 ± 0.2) × E-4
4	(-1.2 ± 0.1) × E-4	(-1.24 ± 0.02) × E-3
5	(-2.09 ± 0.02) × E-3	(-1.1 ± 0.3) × E-4
6	(6 ± 2) × E-5	(-2 ± 2) × E-5
7	(-4.4 ± 0.3) × E-4	(-5 ± 2) × E-5
8	(-3.2 ± 0.3) × E-4	(4.6 ± 0.3) × E-4
9	(-2.162 ± 0.003) × E-2	(4.4 ± 29.0) × E-6
10	(1 ± 2) × E-5	(7 ± 2) × E-5
11	(1.1 ± 0.3) × E-4	(5 ± 3) × E-5
12	(-9.6 ± 33.4) × E-6	(2.1 ± 30.9) × E-6
13	(-3 ± 5) × E-5	(5 ± 4) × E-5
14	(-4.7 ± 0.6) × E-4	(5.9 ± 0.7) × E-4
15	(-1.683 ± 0.003) × E-2	(-1.0 ± 0.4) × E-4