



BS-008

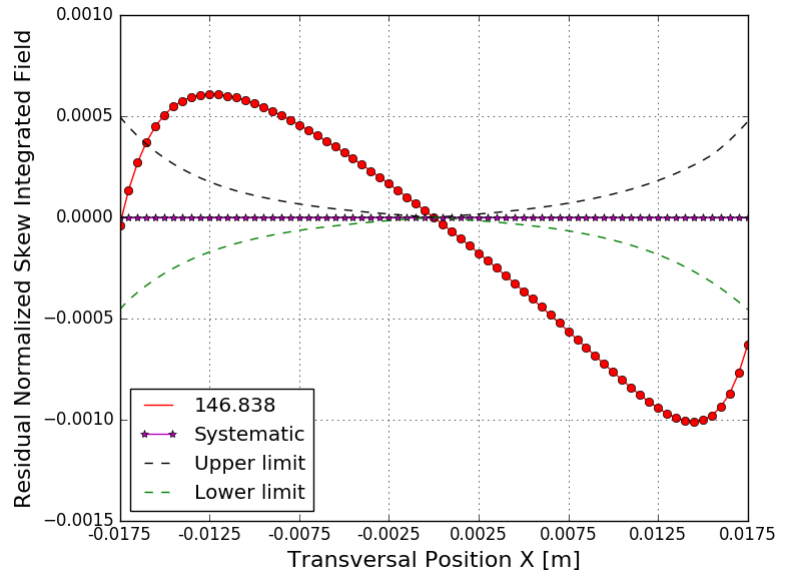
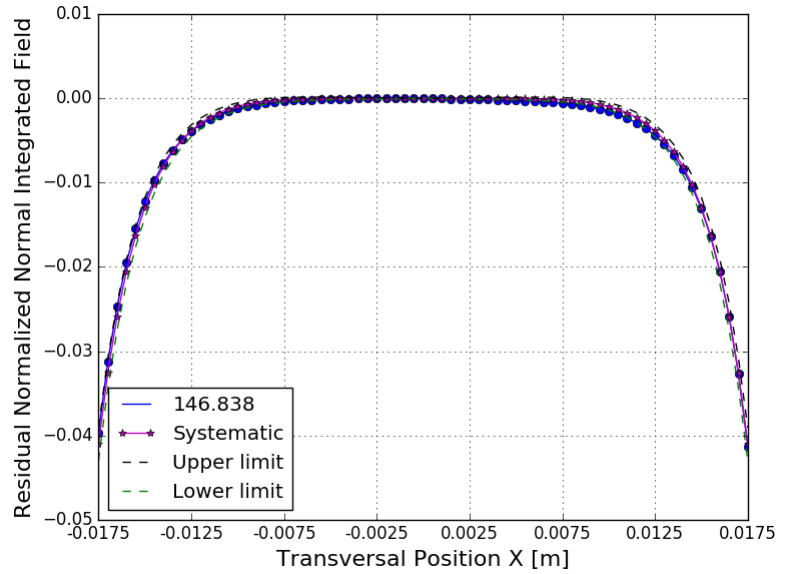
## BOOSTER MAGNET REPORT

### Results

Date	12/09/2016
Hour	16:39:21
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(146.838 ± 0.004)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-20.9774 ± 0.0004)
Magnet Center Offset X [μm] - (< ±160.0)	(37.8 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-32.2 ± 0.1)
Roll [mrad] - (< ±0.8)	(-3.89 ± 0.04) × E-1

### Electric Parameters

Indutance [mH]	--
Voltage [V]	--
Resistance [mΩ]	--
Main Coil Number of Turns	3



n	Normalized Normal Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-3.92 ± 0.04) × E-3	(-1.7 ± 0.2) × E-4
2 (quadrupole)	(4.32 ± 0.02) × E-3	(-3.68 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-1.17 ± 0.01) × E-3
4	(-2.7 ± 0.2) × E-4	(-1.20 ± 0.03) × E-3
5	(-1.76 ± 0.02) × E-3	(-2.6 ± 0.2) × E-4
6	(5 ± 3) × E-5	(-3 ± 3) × E-5
7	(-3.6 ± 0.2) × E-4	(-1.9 ± 0.2) × E-4
8	(-3.7 ± 0.3) × E-4	(4.0 ± 0.4) × E-4
9	(-2.166 ± 0.004) × E-2	(7 ± 2) × E-5
10	(-3 ± 4) × E-5	(7 ± 4) × E-5
11	(1.1 ± 0.4) × E-4	(5 ± 3) × E-5
12	(-3.7 ± 27.0) × E-6	(-2 ± 3) × E-5
13	(-2 ± 3) × E-5	(4 ± 3) × E-5
14	(-1.9 ± 0.5) × E-4	(4.9 ± 0.5) × E-4
15	(-1.681 ± 0.004) × E-2	(-5 ± 4) × E-5