



BS-024

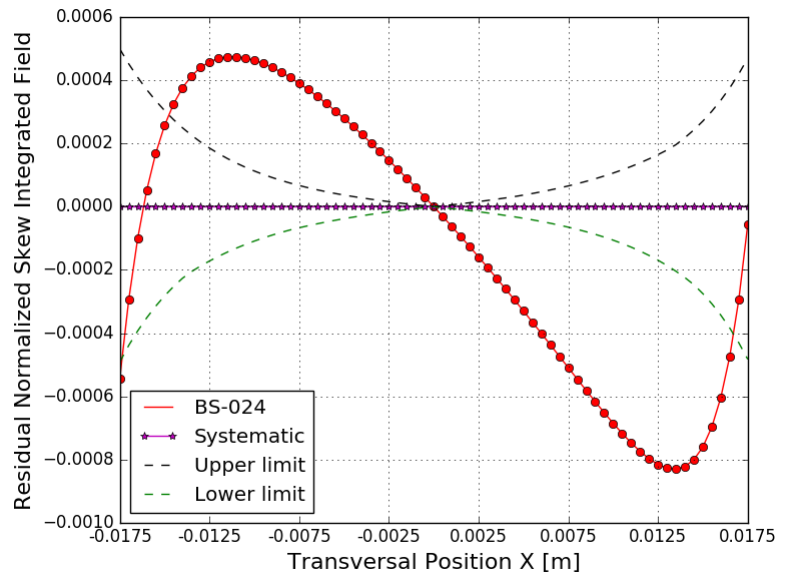
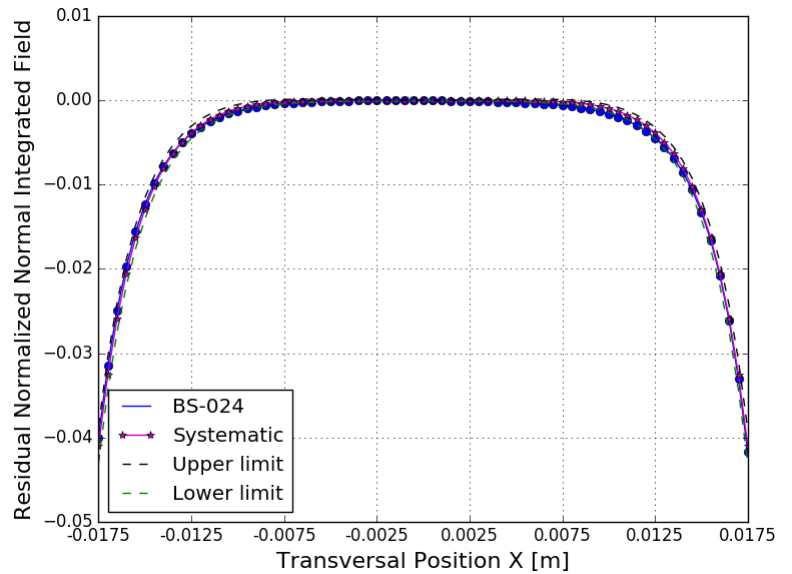
## BOOSTER MAGNET REPORT

### Results

Date	01/11/2016
Hour	11:15:48
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.955 ± 0.002)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4480 ± 0.0004)
Magnet Center Offset X [μm] - (< ±160.0)	(40.3 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-40.2 ± 0.2)
Roll [mrad] - (< ±0.8)	(-5.22 ± 0.05) × 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 <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=17.5 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-3.93 ± 0.02) × E-3	(1.7 ± 0.3) × E-4
2 (quadrupole)	(4.61 ± 0.02) × E-3	(-4.60 ± 0.02) × E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-1.57 ± 0.02) × E-3
4	(-2.8 ± 0.2) × E-4	(-1.07 ± 0.02) × E-3
5	(-1.82 ± 0.03) × E-3	(-3.0 ± 0.3) × E-4
6	(4 ± 3) × E-5	(2 ± 3) × E-5
7	(-3.5 ± 0.2) × E-4	(-1.7 ± 0.3) × E-4
8	(-3.7 ± 0.2) × E-4	(5.0 ± 0.5) × E-4
9	(-2.173 ± 0.004) × E-2	(8 ± 3) × E-5
10	(-2 ± 3) × E-5	(1.1 ± 0.5) × E-4
11	(1.2 ± 0.4) × E-4	(8 ± 5) × E-5
12	(-3.6 ± 98.6) × E-6	(6 ± 6) × E-5
13	(6.7 ± 63.5) × E-6	(4 ± 6) × E-5
14	(-2.2 ± 0.7) × E-4	(6.3 ± 0.7) × E-4
15	(-1.710 ± 0.006) × E-2	(-3 ± 7) × E-5