



BS-040

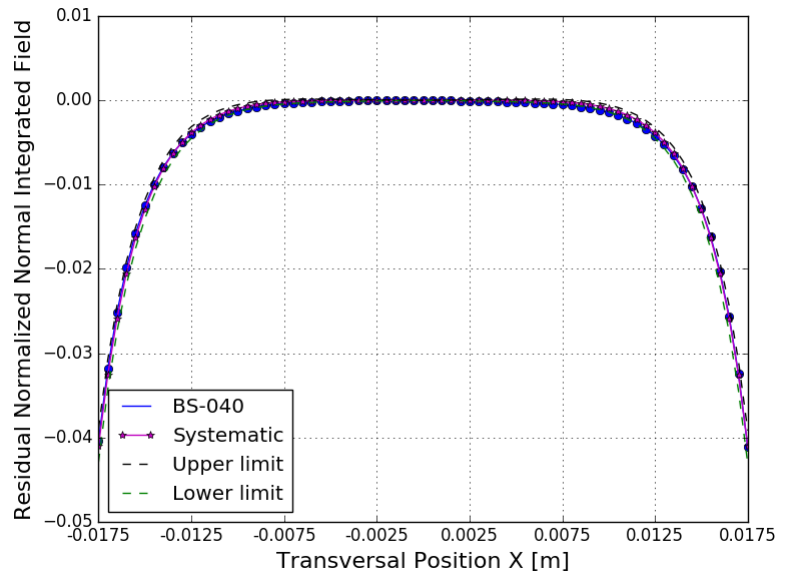
BOOSTER MAGNET REPORT

Results

Date	31/10/2016
Hour	09:07:26
Temperature [°C]	23.1
Number of Measurements	17
Main Coil Current [A]	(149.967 ± 0.001)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4172 ± 0.0008)
Magnet Center Offset X [μm] - (< ±160.0)	(11.5 ± 0.2)
Magnet Center Offset Y [μm] - (< ±160.0)	(-44.9 ± 0.4)
Roll [mrad] - (< ±0.8)	(1.13 ± 0.07) x E-1

Electric Parameters

Indutance [mH]	0.107
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)	(-3.28 ± 0.02) x E-3	(-3.02 ± 0.04) x E-3
2 (quadrupole)	(1.31 ± 0.02) x E-3	(-5.13 ± 0.05) x E-3
3 (sextupole)	(1.00000 ± 0.00004)	(3.4 ± 0.2) x E-4
4	(-1.8 ± 0.2) x E-4	(-3.0 ± 0.5) x E-4
5	(-1.56 ± 0.02) x E-3	(2.3 ± 0.3) x E-4
6	(7 ± 2) x E-5	(-3.2 ± 41.2) x E-6
7	(-4.1 ± 0.3) x E-4	(2.4 ± 0.3) x E-4
8	(-6 ± 5) x E-5	(4.2 ± 0.4) x E-4
9	(-2.176 ± 0.004) x E-2	(-8 ± 4) x E-5
10	(2 ± 6) x E-5	(4 ± 4) x E-5
11	(1.0 ± 0.4) x E-4	(-7 ± 4) x E-5
12	(-1 ± 3) x E-5	(1.8 ± 37.1) x E-6
13	(-1 ± 3) x E-5	(-3 ± 3) x E-5
14	(-1.9 ± 0.5) x E-4	(5.5 ± 0.5) x E-4
15	(-1.714 ± 0.006) x E-2	(-3.7 ± 37.9) x E-6

