



BS-017

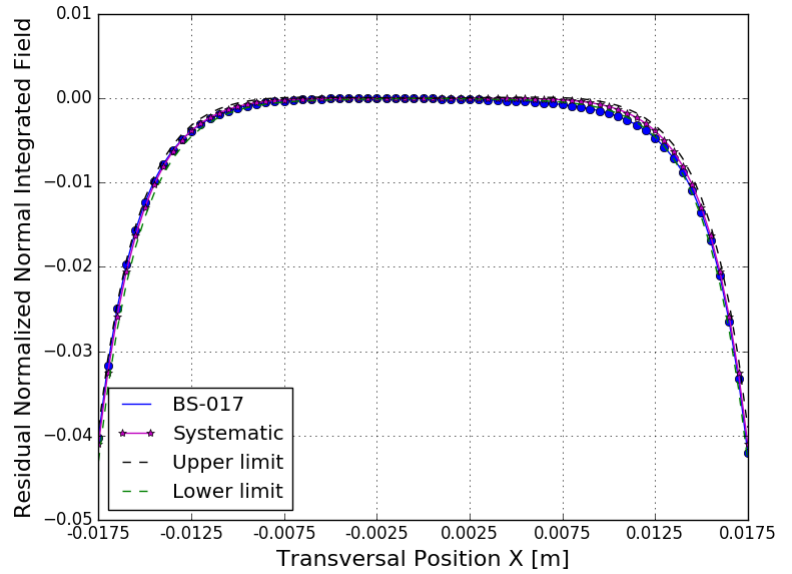
BOOSTER MAGNET REPORT

Results

Date	25/10/2016
Hour	11:12:12
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.940 ± 0.001)
Trim Coil Current [A]	--
Integrated Gradient [T/m]	(-21.4237 ± 0.0003)
Magnet Center Offset X [μm] - (< ±160.0)	(24.19 ± 0.07)
Magnet Center Offset Y [μm] - (< ±160.0)	(-25.9 ± 0.2)
Roll [mrad] - (< ±0.8)	(3.72 ± 0.03) x E-1

Electric Parameters

Inductance [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)	(-3.90 ± 0.03) x E-3	(-3.17 ± 0.02) x E-3
2 (quadrupole)	(2.764 ± 0.008) x E-3	(-2.96 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(1.117 ± 0.008) x E-3
4	(-5.5 ± 0.1) x E-4	(-1.50 ± 0.01) x E-3
5	(-1.94 ± 0.03) x E-3	(3.2 ± 0.3) x E-4
6	(1.0 ± 0.2) x E-4	(-2 ± 3) x E-5
7	(-3.9 ± 0.3) x E-4	(2.5 ± 0.3) x E-4
8	(-2.9 ± 0.2) x E-4	(3.5 ± 0.3) x E-4
9	(-2.176 ± 0.003) x E-2	(-9 ± 2) x E-5
10	(1.3 ± 33.6) x E-6	(6 ± 2) x E-5
11	(1.2 ± 0.3) x E-4	(-1 ± 3) x E-5
12	(1 ± 3) x E-5	(-1 ± 6) x E-5
13	(-2 ± 5) x E-5	(5 ± 4) x E-5
14	(-1.8 ± 0.5) x E-4	(5.5 ± 0.3) x E-4
15	(-1.715 ± 0.005) x E-2	(-6 ± 5) x E-5

