



BS-028

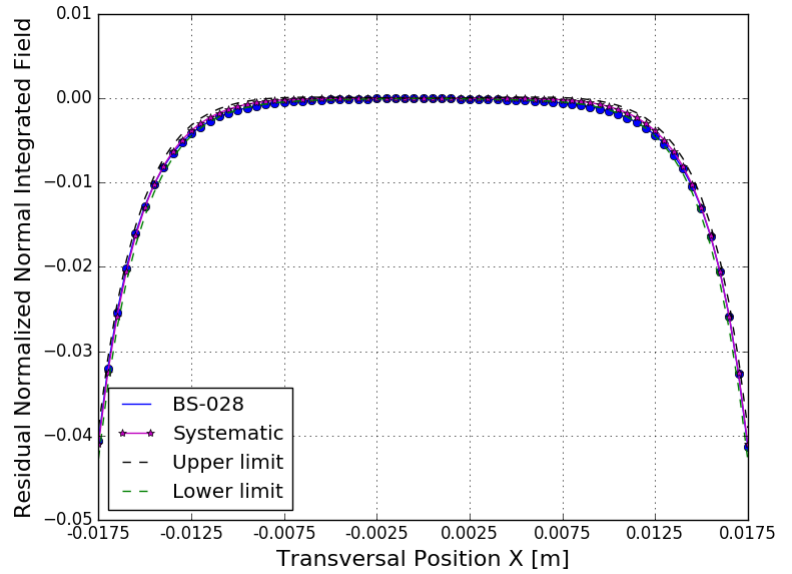
BOOSTER MAGNET REPORT

Results

Date	21/10/2016
Hour	09:51:49
Temperature [°C]	23.0
Number of Measurements	17
Main Coil Current [A]	(149.964 ± 0.001)
Trim Coil Current [A]	(0 ± 0)
Integrated Gradient [T.m]	(-21.4053 ± 0.0003)
Magnet Center Offset X [μm] - (< ±160.0)	(14.3 ± 0.1)
Magnet Center Offset Y [μm] - (< ±160.0)	(-36.1 ± 0.1)
Roll [mrad] - (< ±0.8)	(1.65 ± 0.04) x E-1

Electric Parameters

Inductance [mH]	0.106
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 ± 0.01) x E-3	(-2.63 ± 0.01) x E-3
2 (quadrupole)	(1.63 ± 0.02) x E-3	(-4.13 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(4.9 ± 0.1) x E-4
4	(-1.2 ± 0.2) x E-4	(-7.2 ± 0.3) x E-4
5	(-1.94 ± 0.04) x E-3	(1.7 ± 0.5) x E-4
6	(10 ± 4) x E-5	(6 ± 4) x E-5
7	(-3.9 ± 0.4) x E-4	(1.1 ± 0.3) x E-4
8	(-1.1 ± 0.2) x E-4	(3.6 ± 0.1) x E-4
9	(-2.172 ± 0.003) x E-2	(-1.2 ± 0.4) x E-4
10	(2 ± 4) x E-5	(5 ± 5) x E-5
11	(1.5 ± 0.7) x E-4	(-2 ± 8) x E-5
12	(-4 ± 6) x E-5	(2 ± 9) x E-5
13	(-8 ± 7) x E-5	(-7 ± 7) x E-5
14	(-2.0 ± 0.3) x E-4	(5.9 ± 0.5) x E-4
15	(-1.696 ± 0.005) x E-2	(-9 ± 5) x E-5

