



S15-011

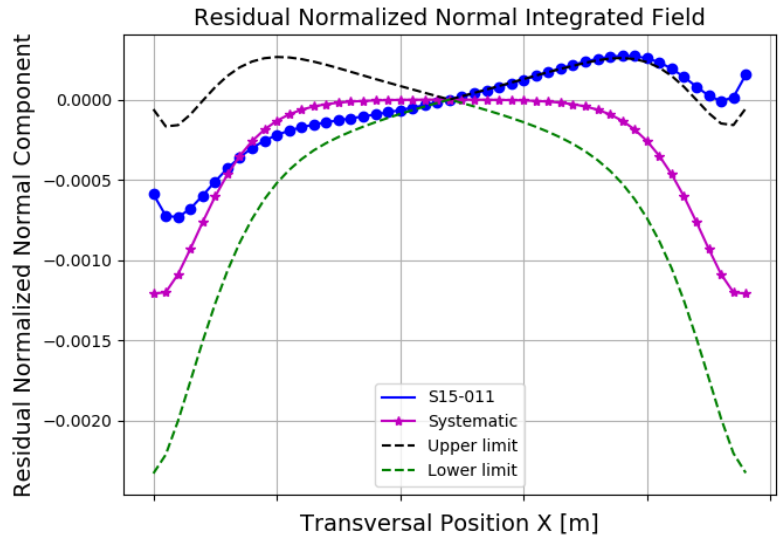
STORAGE RING MAGNET REPORT

Results

Date	14/08/2018
Hour	16:22:58
Temperature [°C]	23.324
Number of Measurements	9
Main Coil Current [A]	(167.7974 ± 0.0008)
Trim Coil Current [A]	(0 ± 0)
CH Coil Current [A]	(0 ± 0)
CV Coil Current [A]	(0 ± 0)
QS Coil Current [A]	(0 ± 0)
Integrated Gradient [T/m]	(-359.985 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(11.38 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(20.60 ± 0.08)
Roll [mrad] - (< ±0.3)	(2.28 ± 0.03) x E-1

Electric Parameters

Inductance [mH]	3.157
Voltage [V]	6.0106
Resistance [mΩ]	35.82
Main Coil Number of Turns	11.25



n	Normalized Normal Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
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1 (dipole)	(-8.90 ± 0.06) x E-4	(-7.6 ± 0.1) x E-4
2 (quadrupole)	(-1.897 ± 0.005) x E-3	(-3.43 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(6.8 ± 0.1) x E-4
4	(4.4 ± 0.1) x E-4	(-2.7 ± 0.1) x E-4
5	(2.53 ± 0.08) x E-4	(2.77 ± 0.09) x E-4
6	(-4 ± 1) x E-5	(-8.8 ± 12.1) x E-6
7	(1.1 ± 0.1) x E-4	(-6 ± 1) x E-5
8	(2 ± 1) x E-5	(1 ± 1) x E-5
9	(-1.884 ± 0.008) x E-3	(1.8 ± 0.2) x E-4
10	(-1.2 ± 1.0) x E-5	(1.5 ± 0.9) x E-5
11	(-8 ± 5) x E-6	(-1.7 ± 0.7) x E-5
12	(2 ± 6) x E-6	(-8.8 ± 63.2) x E-7
13	(-1.2 ± 0.8) x E-5	(7 ± 9) x E-6
14	(-3 ± 1) x E-5	(-1.2 ± 0.4) x E-5
15	(1.326 ± 0.007) x E-3	(-1.9 ± 0.8) x E-5

