



S15-162

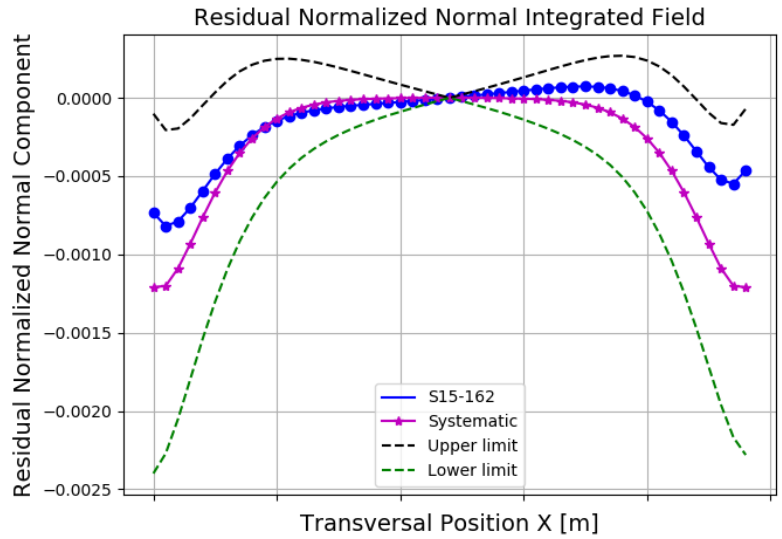
STORAGE RING MAGNET REPORT

Results

Date	07/08/2018
Hour	16:19:38
Temperature [°C]	23.516
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.002)
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]	(-359.861 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(7.2 ± 0.3) × E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(24.71 ± 0.03)
Roll [mrad] - (< ±0.3)	(2.84 ± 0.02) × 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⁾]
1 (dipole)	(-1.69 ± 0.04) × E-4	(-6.5 ± 0.5) × E-5
2 (quadrupole)	(-1.20 ± 0.05) × E-4	(-4.118 ± 0.004) × E-3
3 (sextupole)	(1.000000 ± 0.000010)	(8.53 ± 0.06) × E-4
4	(1.70 ± 0.06) × E-4	(-5.1 ± 0.5) × E-5
5	(6.7 ± 0.7) × E-5	(1.30 ± 0.07) × E-4
6	(-1.7 ± 0.5) × E-5	(4 ± 5) × E-6
7	(3.1 ± 0.5) × E-5	(-3.5 ± 0.5) × E-5
8	(-10 ± 6) × E-6	(3.9 ± 0.6) × E-5
9	(-2.03 ± 0.01) × E-3	(3.1 ± 0.5) × E-5
10	(-4 ± 6) × E-6	(1 ± 1) × E-5
11	(-2.5 ± 11.7) × E-6	(-2.0 ± 0.8) × E-5
12	(-2 ± 5) × E-6	(-1.1 ± 0.7) × E-5
13	(2.5 ± 81.0) × E-7	(1.4 ± 0.6) × E-5
14	(-2 ± 6) × E-6	(-3.4 ± 0.6) × E-5
15	(1.331 ± 0.008) × E-3	(2.3 ± 0.6) × E-5

