



S15-214

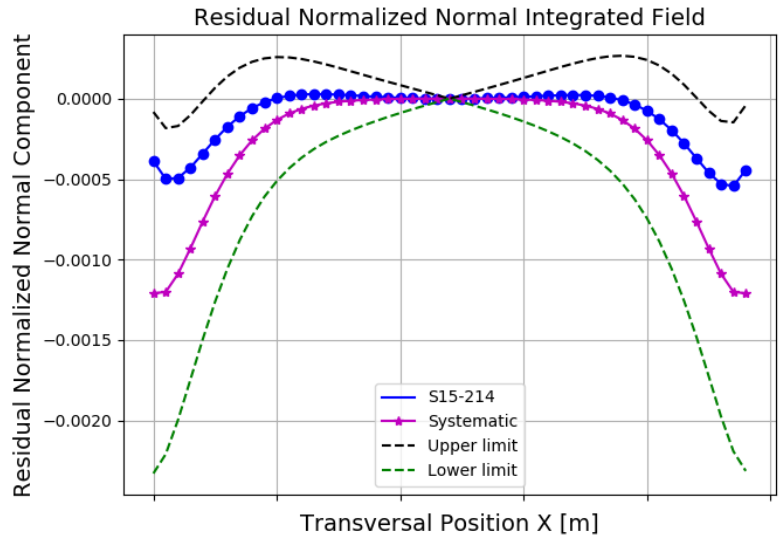
STORAGE RING MAGNET REPORT

Results

Date	19/07/2018
Hour	14:58:59
Temperature [°C]	23.639
Number of Measurements	9
Main Coil Current [A]	(167.799 ± 0.006)
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]	(-359.296 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(16.89 ± 0.07)
Magnet Center Offset Y [μm] - (< ±40.0)	(25.1 ± 0.2)
Roll [mrad] - (< ±0.3)	(1.3 ± 0.1) × 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)	(-1.9 ± 0.7) × E-5	(-1.3 ± 0.4) × E-4
2 (quadrupole)	(-2.82 ± 0.01) × E-3	(-4.18 ± 0.03) × E-3
3 (sextupole)	(1.00000 ± 0.00001)	(4.0 ± 0.3) × E-4
4	(6.36 ± 133.68) × E-7	(-3.1 ± 0.2) × E-4
5	(2.0 ± 0.2) × E-4	(1.6 ± 0.3) × E-4
6	(-4 ± 2) × E-5	(2 ± 4) × E-5
7	(5 ± 2) × E-5	(-8 ± 2) × E-5
8	(4 ± 1) × E-5	(4 ± 3) × E-5
9	(-1.99 ± 0.02) × E-3	(3.7 ± 0.3) × E-4
10	(-1 ± 1) × E-5	(4 ± 2) × E-5
11	(1 ± 1) × E-5	(3 ± 3) × E-5
12	(2 ± 1) × E-5	(-2 ± 3) × E-5
13	(4.43 ± 113.41) × E-7	(4 ± 3) × E-5
14	(-2 ± 2) × E-5	(-6 ± 3) × E-5
15	(1.32 ± 0.01) × E-3	(-5 ± 2) × E-5

