



S15-273

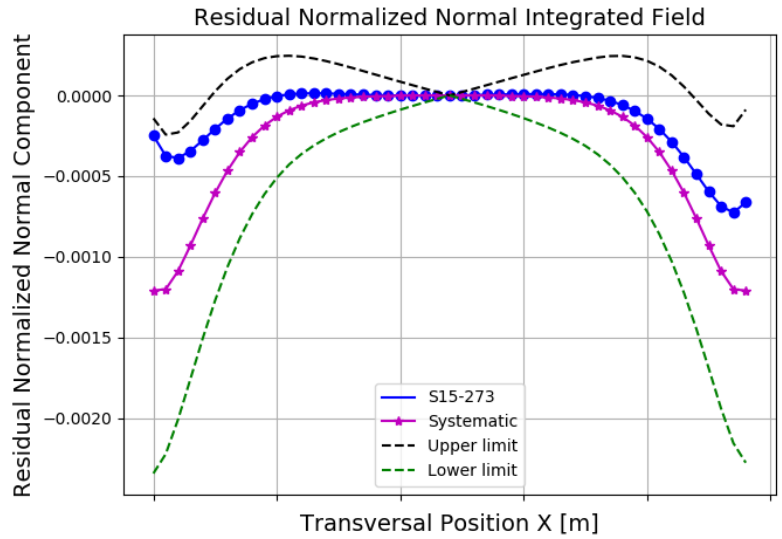
STORAGE RING MAGNET REPORT

Results

Date	27/08/2018
Hour	17:58:56
Temperature [°C]	23.14
Number of Measurements	9
Main Coil Current [A]	(167.7985 ± 0.0010)
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]	(-359.510 ± 0.001)
Magnet Center Offset X [μm] - (< ±40.0)	(6.3 ± 0.2) × E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(19.14 ± 0.04)
Roll [mrad] - (< ±0.3)	(-1.09 ± 0.04) × 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)	(-7.72 ± 0.04) × E-4	(5.5 ± 0.7) × E-5
2 (quadrupole)	(-1.04 ± 0.03) × E-4	(-3.191 ± 0.007) × E-3
3 (sextupole)	(1.000000 ± 0.000005)	(-3.3 ± 0.1) × E-4
4	(2.5 ± 0.7) × E-5	(5.6 ± 0.8) × E-5
5	(8.4 ± 0.4) × E-5	(3.7 ± 0.6) × E-5
6	(-2.10 ± 0.07) × E-4	(-10 ± 5) × E-6
7	(1.02 ± 0.08) × E-4	(6 ± 9) × E-6
8	(-8 ± 6) × E-6	(5.1 ± 1.0) × E-5
9	(-1.880 ± 0.007) × E-3	(2.46 ± 0.04) × E-4
10	(1 ± 7) × E-6	(-6 ± 7) × E-6
11	(1.9 ± 0.5) × E-5	(-5 ± 6) × E-6
12	(-4 ± 5) × E-6	(4.06 ± 112.11) × E-7
13	(-4.0 ± 0.7) × E-5	(1.4 ± 0.8) × E-5
14	(-1.2 ± 0.8) × E-5	(-4.6 ± 0.7) × E-5
15	(1.260 ± 0.008) × E-3	(-1.02 ± 0.04) × E-4

