



S15-192

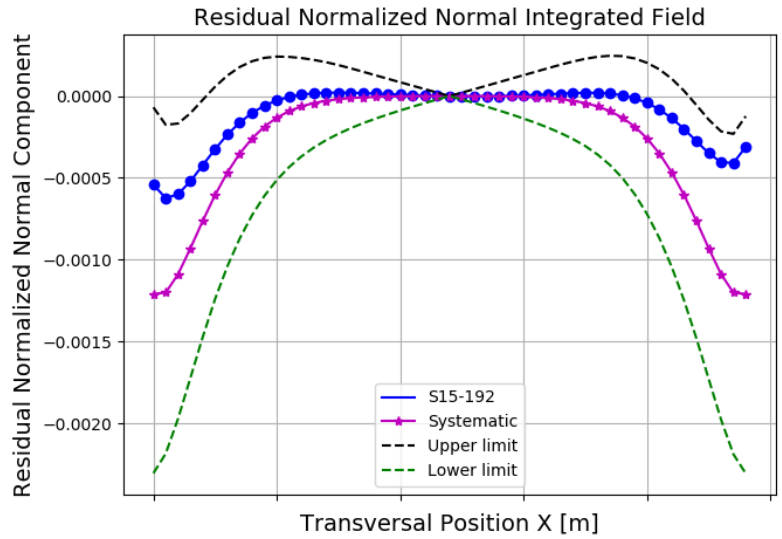
STORAGE RING MAGNET REPORT

Results

Date	31/08/2018
Hour	08:39:15
Temperature [°C]	23.388
Number of Measurements	9
Main Coil Current [A]	(167.7980 ± 0.0009)
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]	(-359.732 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(24.40 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(31.80 ± 0.09)
Roll [mrad] - (< ±0.3)	(-1.34 ± 0.05) × 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)	(-8.39 ± 0.05) × E-4	(-2.1 ± 0.1) × E-4
2 (quadrupole)	(-4.066 ± 0.003) × E-3	(-5.30 ± 0.02) × E-3
3 (sextupole)	(1.000000 ± 0.000008)	(-4.0 ± 0.1) × E-4
4	(-3.3 ± 0.5) × E-5	(1.1 ± 0.1) × E-4
5	(1.53 ± 0.05) × E-4	(-4.80 ± 116.92) × E-7
6	(1.66 ± 0.09) × E-4	(-1.2 ± 0.8) × E-5
7	(7.5 ± 0.8) × E-5	(2 ± 1) × E-5
8	(3.3 ± 0.7) × E-5	(4 ± 1) × E-5
9	(-1.874 ± 0.008) × E-3	(4.0 ± 0.2) × E-4
10	(-7 ± 8) × E-6	(-5 ± 10) × E-6
11	(1.3 ± 10.9) × E-6	(-2.7 ± 13.2) × E-6
12	(-1.2 ± 0.7) × E-5	(1 ± 1) × E-5
13	(-2.1 ± 0.9) × E-5	(3.2 ± 11.9) × E-6
14	(-3.2 ± 0.9) × E-5	(-4.0 ± 0.7) × E-5
15	(1.240 ± 0.006) × E-3	(-1.6 ± 0.1) × E-4

