



S15-153

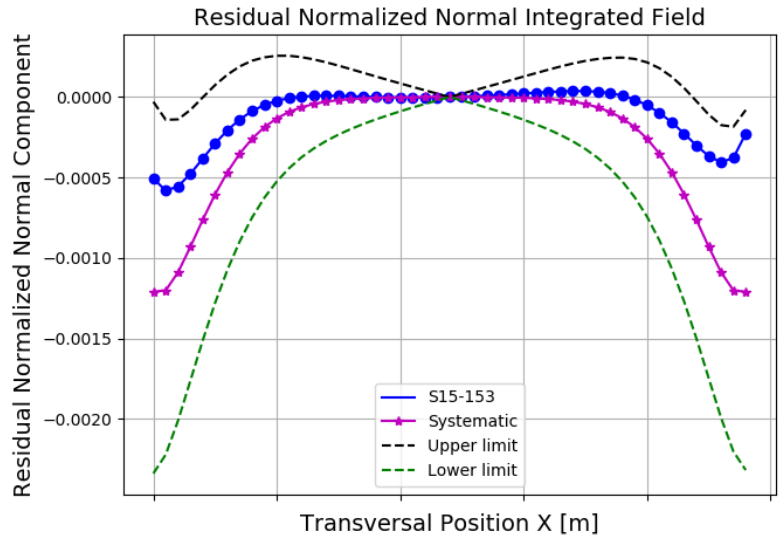
STORAGE RING MAGNET REPORT

Results

Date	02/08/2018
Hour	09:55:56
Temperature [°C]	23.074
Number of Measurements	9
Main Coil Current [A]	(167.7989 ± 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]	(-359.15 ± 0.01)
Magnet Center Offset X [μm] - (< ±40.0)	(10.5 ± 0.1)
Magnet Center Offset Y [μm] - (< ±40.0)	(20.3 ± 0.4)
Roll [mrad] - (< ±0.3)	(-1.3 ± 0.3) × 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)	(-1.18 ± 0.01) × E-3	(3.6 ± 0.6) × E-4
2 (quadrupole)	(-1.75 ± 0.02) × E-3	(-3.38 ± 0.07) × E-3
3 (sextupole)	(1.00000 ± 0.00004)	(-3.9 ± 0.8) × E-4
4	(5 ± 4) × E-5	(1.0 ± 0.7) × E-4
5	(1.9 ± 0.2) × E-4	(-5 ± 7) × E-5
6	(-9 ± 5) × E-5	(3 ± 7) × E-5
7	(-5.1 ± 51.4) × E-6	(-1 ± 3) × E-5
8	(5 ± 6) × E-5	(4 ± 5) × E-5
9	(-1.85 ± 0.05) × E-3	(1.09 ± 0.06) × E-3
10	(8 ± 4) × E-5	(3 ± 5) × E-5
11	(1 ± 2) × E-5	(-6.34 ± 577.38) × E-7
12	(6 ± 4) × E-5	(-2 ± 5) × E-5
13	(4 ± 5) × E-5	(6.99 ± 495.74) × E-7
14	(-1 ± 4) × E-5	(-6 ± 3) × E-5
15	(1.24 ± 0.05) × E-3	(-6.4 ± 47.6) × E-6

