



S15-212

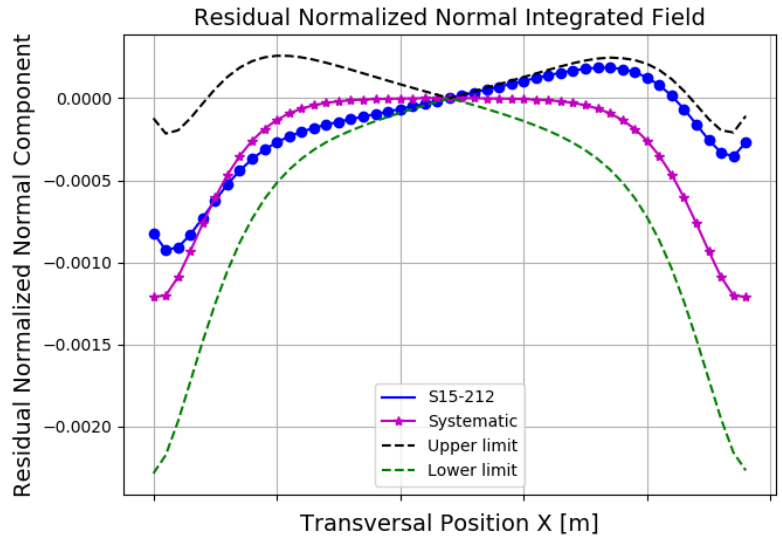
STORAGE RING MAGNET REPORT

Results

Date	25/07/2018
Hour	10:27:41
Temperature [°C]	23.745
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.001)
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]	(-359.950 ± 0.004)
Magnet Center Offset X [μm] - (< ±40.0)	(10.34 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(29.31 ± 0.10)
Roll [mrad] - (< ±0.3)	(1.06 ± 0.07) x 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)	(-1.820 ± 0.005) x E-3	(2.7 ± 0.2) x E-4
2 (quadrupole)	(-1.723 ± 0.008) x E-3	(-4.89 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(3.2 ± 0.2) x E-4
4	(4.08 ± 0.07) x E-4	(3.6 ± 0.2) x E-4
5	(7 ± 1) x E-5	(-7 ± 2) x E-5
6	(-7 ± 1) x E-5	(6.0 ± 16.9) x E-6
7	(6 ± 2) x E-5	(9.9 ± 70.9) x E-7
8	(-4.5 ± 19.9) x E-6	(9.9 ± 18.2) x E-6
9	(-2.00 ± 0.01) x E-3	(3.9 ± 0.1) x E-4
10	(-3 ± 1) x E-5	(-2 ± 1) x E-5
11	(-1.0 ± 13.9) x E-6	(5 ± 2) x E-5
12	(-2 ± 2) x E-5	(1 ± 1) x E-5
13	(-1 ± 2) x E-5	(2 ± 2) x E-5
14	(-6.6 ± 18.6) x E-6	(-5 ± 1) x E-5
15	(1.34 ± 0.01) x E-3	(7.9 ± 17.8) x E-6

