



S15-279

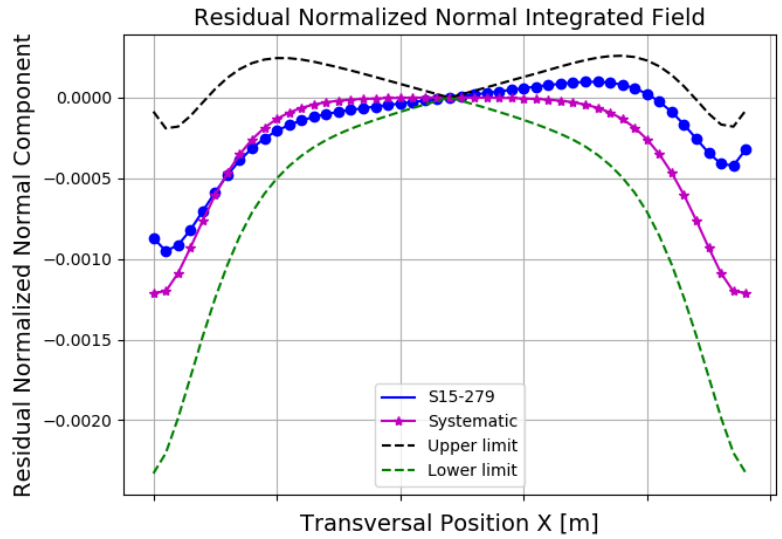
STORAGE RING MAGNET REPORT

Results

Date	08/08/2018
Hour	15:40:30
Temperature [°C]	23.515
Number of Measurements	9
Main Coil Current [A]	(167.798 ± 0.002)
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 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(13.41 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(21.26 ± 0.03)
Roll [mrad] - (< ±0.3)	(1.68 ± 0.02) 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)	(-9.40 ± 0.04) x E-4	(-1.02 ± 0.05) x E-4
2 (quadrupole)	(-2.234 ± 0.003) x E-3	(-3.543 ± 0.005) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(5.03 ± 0.05) x E-4
4	(2.24 ± 0.05) x E-4	(-1.77 ± 0.03) x E-4
5	(2.5 ± 0.4) x E-5	(-5 ± 5) x E-6
6	(5.6 ± 0.6) x E-5	(-2 ± 5) x E-6
7	(4.1 ± 0.5) x E-5	(-6 ± 5) x E-6
8	(2.2 ± 0.4) x E-5	(5.2 ± 0.4) x E-5
9	(-1.991 ± 0.003) x E-3	(2.3 ± 0.5) x E-5
10	(-5.8 ± 51.1) x E-7	(9 ± 5) x E-6
11	(1.0 ± 0.4) x E-5	(-1.1 ± 0.5) x E-5
12	(2 ± 3) x E-6	(-4 ± 5) x E-6
13	(-1.6 ± 0.5) x E-5	(1.2 ± 0.4) x E-5
14	(-2.9 ± 0.6) x E-5	(-4.0 ± 0.4) x E-5
15	(1.335 ± 0.003) x E-3	(5 ± 4) x E-6

