



S15-129

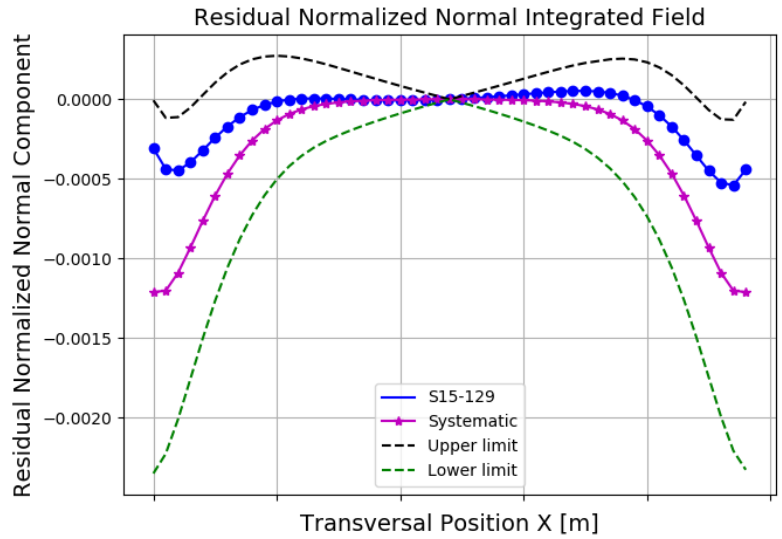
STORAGE RING MAGNET REPORT

Results

Date	14/08/2018
Hour	09:28:37
Temperature [°C]	23.449
Number of Measurements	9
Main Coil Current [A]	(167.7988 ± 0.0007)
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]	(-359.671 ± 0.003)
Magnet Center Offset X [μm] - (< ±40.0)	(9.71 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(15.30 ± 0.05)
Roll [mrad] - (< ±0.3)	(2.73 ± 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⁾]
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1 (dipole)	(-1.400 ± 0.003) x E-3	(9.99 ± 0.09) x E-4
2 (quadrupole)	(-1.619 ± 0.004) x E-3	(-2.549 ± 0.009) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(8.18 ± 0.06) x E-4
4	(8.3 ± 0.5) x E-5	(-3.04 ± 0.07) x E-4
5	(2.15 ± 0.05) x E-4	(-1.73 ± 0.07) x E-4
6	(-1.52 ± 0.04) x E-4	(2 ± 1) x E-5
7	(6.7 ± 0.6) x E-5	(-3 ± 4) x E-6
8	(2 ± 4) x E-6	(2.4 ± 0.7) x E-5
9	(-1.986 ± 0.009) x E-3	(1.09 ± 0.08) x E-4
10	(1.0 ± 0.5) x E-5	(1.8 ± 0.6) x E-5
11	(-1.9 ± 0.7) x E-5	(2 ± 5) x E-6
12	(4 ± 4) x E-6	(-8 ± 6) x E-6
13	(2 ± 6) x E-6	(1.4 ± 0.8) x E-5
14	(-1.4 ± 0.5) x E-5	(-3.0 ± 0.8) x E-5
15	(1.346 ± 0.008) x E-3	(-1.8 ± 0.8) x E-5

