



# S15-210

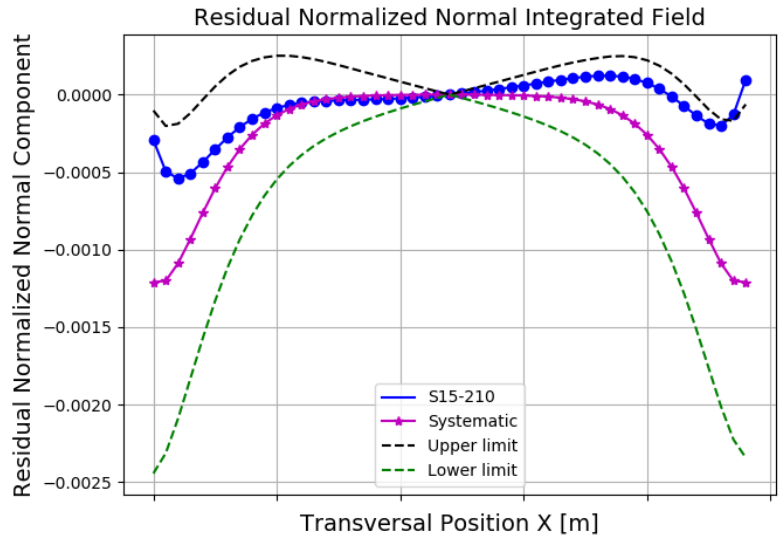
## STORAGE RING MAGNET REPORT

### Results

Date	02/08/2018
Hour	14:35:09
Temperature [°C]	23.421
Number of Measurements	9
Main Coil Current [A]	(167.799 ± 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]	(-359.879 ± 0.005)
Magnet Center Offset X [μm] - (< ±40.0)	(16.93 ± 0.09)
Magnet Center Offset Y [μm] - (< ±40.0)	(25.6 ± 0.1)
Roll [mrad] - (< ±0.3)	(-1.34 ± 0.05) 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 <sup>(2-n)</sup> ]	Normalized Skew Multipoles x=12.0 mm [T.m <sup>(2-n)</sup> ]
1 (dipole)	(-7.16 ± 0.09) x E-4	(-3.8 ± 0.3) x E-4
2 (quadrupole)	(-2.82 ± 0.02) x E-3	(-4.26 ± 0.02) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-4.0 ± 0.2) x E-4
4	(1.8 ± 0.2) x E-4	(-4 ± 3) x E-5
5	(2.4 ± 0.3) x E-4	(-2 ± 4) x E-5
6	(-4 ± 3) x E-5	(-2 ± 3) x E-5
7	(1.1 ± 0.4) x E-4	(-4 ± 3) x E-5
8	(3 ± 4) x E-5	(2 ± 4) x E-5
9	(-2.03 ± 0.04) x E-3	(9.2 ± 0.3) x E-4
10	(2 ± 4) x E-5	(2 ± 3) x E-5
11	(-2.4 ± 40.0) x E-6	(3.9 ± 29.7) x E-6
12	(3 ± 4) x E-5	(1 ± 3) x E-5
13	(1 ± 5) x E-5	(6 ± 3) x E-5
14	(-4 ± 6) x E-5	(2 ± 3) x E-5
15	(1.58 ± 0.06) x E-3	(-6.0 ± 38.5) x E-6

