



S15-207

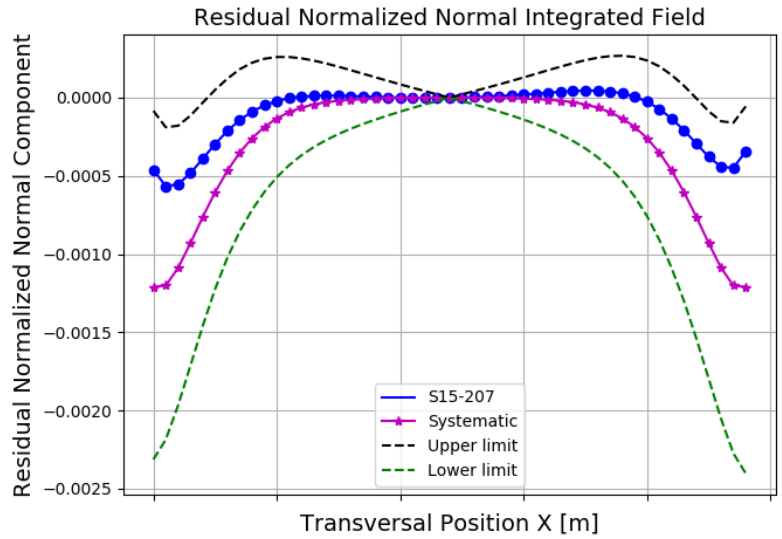
## STORAGE RING MAGNET REPORT

### Results

Date	08/08/2018
Hour	15:00:16
Temperature [°C]	23.518
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]	(-359.925 ± 0.002)
Magnet Center Offset X [μm] - (< ±40.0)	(15.99 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(24.53 ± 0.04)
Roll [mrad] - (< ±0.3)	(1.58 ± 0.03) 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)	(-8.33 ± 0.05) x E-4	(-8.90 ± 0.07) x E-4
2 (quadrupole)	(-2.666 ± 0.003) x E-3	(-4.089 ± 0.006) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(4.73 ± 0.08) x E-4
4	(2.7 ± 0.3) x E-5	(-2.64 ± 0.07) x E-4
5	(2.05 ± 0.04) x E-4	(2.05 ± 0.10) x E-4
6	(4.4 ± 0.5) x E-5	(-2.1 ± 0.7) x E-5
7	(1.05 ± 0.06) x E-4	(-3.1 ± 0.8) x E-5
8	(3 ± 6) x E-6	(4.8 ± 0.6) x E-5
9	(-2.039 ± 0.006) x E-3	(2.4 ± 0.5) x E-5
10	(1.1 ± 0.7) x E-5	(9 ± 8) x E-6
11	(-2 ± 7) x E-6	(-1.7 ± 0.8) x E-5
12	(-4 ± 4) x E-6	(2.35 ± 702.79) x E-8
13	(-1.3 ± 0.6) x E-5	(1.4 ± 1.0) x E-5
14	(-2.1 ± 0.5) x E-5	(-4.1 ± 0.5) x E-5
15	(1.342 ± 0.004) x E-3	(2.2 ± 0.6) x E-5

