



# Q14-007

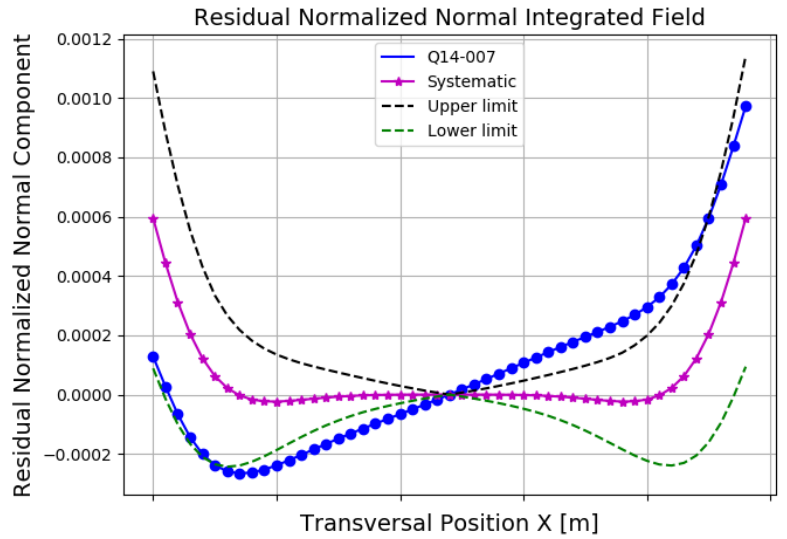
## STORAGE RING MAGNET REPORT

### Results

Date	06/04/2018
Hour	16:32:41
Temperature [°C]	23.6
Number of Measurements	9
Main Coil Current [A]	(147.9953 ± 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]	(-5.23741 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-5.79 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(-3.41 ± 0.06)
Roll [mrad] - (< ±0.3)	(-4.27 ± 0.02) x E-1

### Electric Parameters

Inductance [mH]	4.781
Voltage [V]	4.4843
Resistance [mΩ]	30.3
Main Coil Number of Turns	20.0



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)	(4.82 ± 0.03) x E-4	(2.84 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-8.54 ± 0.03) x E-4
3 (sextupole)	(4.09 ± 0.02) x E-4	(-7.2 ± 0.5) x E-5
4	(9.6 ± 0.3) x E-5	(-2.2 ± 0.4) x E-5
5	(2.6 ± 0.4) x E-5	(-1.3 ± 0.5) x E-5
6	(-4.13 ± 0.05) x E-4	(2.3 ± 0.3) x E-5
7	(-7 ± 2) x E-6	(9 ± 4) x E-6
8	(1 ± 5) x E-6	(-1.6 ± 0.4) x E-5
9	(-3 ± 3) x E-6	(5 ± 3) x E-6
10	(1.542 ± 0.004) x E-3	(-7 ± 5) x E-6
11	(-2 ± 5) x E-6	(-1 ± 5) x E-6
12	(4.5 ± 53.8) x E-7	(10 ± 5) x E-6
13	(-1.39 ± 412.00) x E-8	(-9.9 ± 30.8) x E-7
14	(-6.76 ± 0.05) x E-4	(-9 ± 3) x E-6
15	(6.6 ± 35.2) x E-7	(-5.5 ± 39.0) x E-7

