



Q14-071

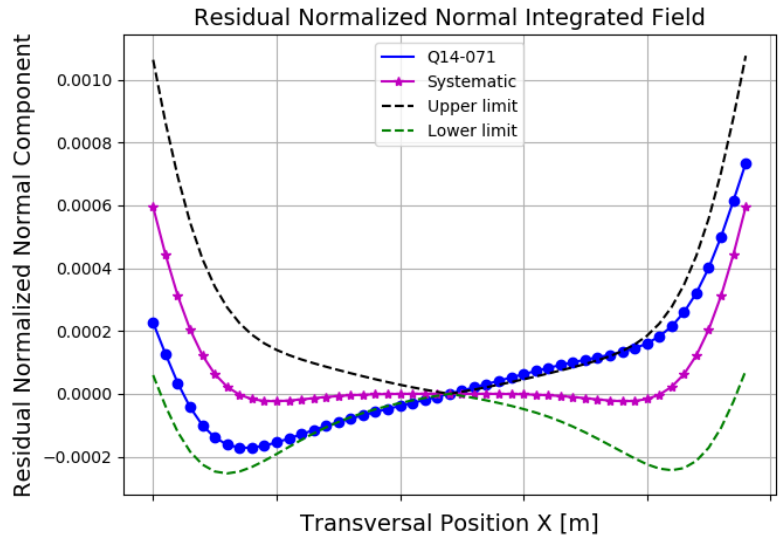
STORAGE RING MAGNET REPORT

Results

Date	10/04/2018
Hour	12:03:19
Temperature [°C]	23.8
Number of Measurements	9
Main Coil Current [A]	(147.9964 ± 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]	(-5.23682 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(5.62 ± 0.06)
Magnet Center Offset Y [μm] - (< ±40.0)	(7.86 ± 0.04)
Roll [mrad] - (< ±0.3)	(-3.33 ± 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 ⁽²⁻ⁿ⁾]	Normalized Skew Multipoles x=12.0 mm [T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-4.69 ± 0.05) x E-4	(-6.55 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(-6.66 ± 0.05) x E-4
3 (sextupole)	(2.39 ± 0.02) x E-4	(-2.9 ± 0.3) x E-5
4	(6.4 ± 0.4) x E-5	(7 ± 3) x E-6
5	(2.3 ± 0.3) x E-5	(1.7 ± 0.4) x E-5
6	(-4.50 ± 0.02) x E-4	(3.0 ± 0.3) x E-5
7	(-1 ± 3) x E-6	(5 ± 4) x E-6
8	(6.1 ± 26.4) x E-7	(-7 ± 5) x E-6
9	(-5 ± 4) x E-6	(-6 ± 5) x E-6
10	(1.541 ± 0.002) x E-3	(-1.2 ± 0.4) x E-5
11	(-1 ± 4) x E-6	(-6 ± 3) x E-6
12	(2 ± 4) x E-6	(5 ± 3) x E-6
13	(1 ± 5) x E-6	(3 ± 5) x E-6
14	(-6.77 ± 0.06) x E-4	(-4 ± 5) x E-6
15	(-3 ± 3) x E-6	(1.6 ± 30.1) x E-7

