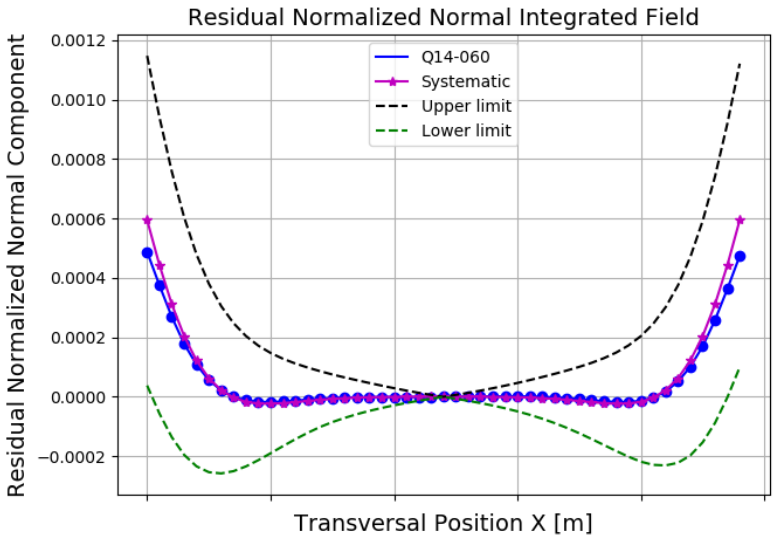
Q14-060

STORAGE RING MAGNET REPORT

Results	
Date	07/04/2018
Hour	10:04:43
Temperature [°C]	23.5
Number of Measurements	9
Main Coil Current [A]	(147.9953 ± 0.0006)
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]	(-5.23579 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(9.32 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(3.15 ± 0.06)
Roll [mrad] - (< ±0.3)	(-3.36 ± 0.03) x E-1
Electric Parameters	
Indutance [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)	(-7.76 ± 0.03) x E-4	(-2.63 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-6.73 ± 0.06) x E-4
3 (sextupole)	(6 ± 4) x E-6	(-1.2 ± 0.3) x E-5
4	(3.2 ± 0.3) x E-5	(-3.2 ± 0.4) x E-5
5	(-2.1 ± 0.3) x E-5	(2.1 ± 0.3) x E-5
6	(-4.12 ± 0.04) x E-4	(3.4 ± 0.2) x E-5
7	(1.3 ± 0.4) x E-5	(-8.3 ± 61.2) x E-7
8	(-8.04 ± 404.86) x E-8	(-5 ± 4) x E-6
9	(-2 ± 3) x E-6	(-4 ± 4) x E-6
10	(1.531 ± 0.004) x E-3	(-9 ± 6) x E-6
11	(-9 ± 7) x E-6	(-3 ± 4) x E-6
12	(1 ± 3) x E-6	(6 ± 4) x E-6
13	(4 ± 3) x E-6	(1 ± 3) x E-6
14	(-6.71 ± 0.05) x E-4	(-7 ± 4) x E-6
15	(2 ± 4) x E-6	(2 ± 5) x E-6