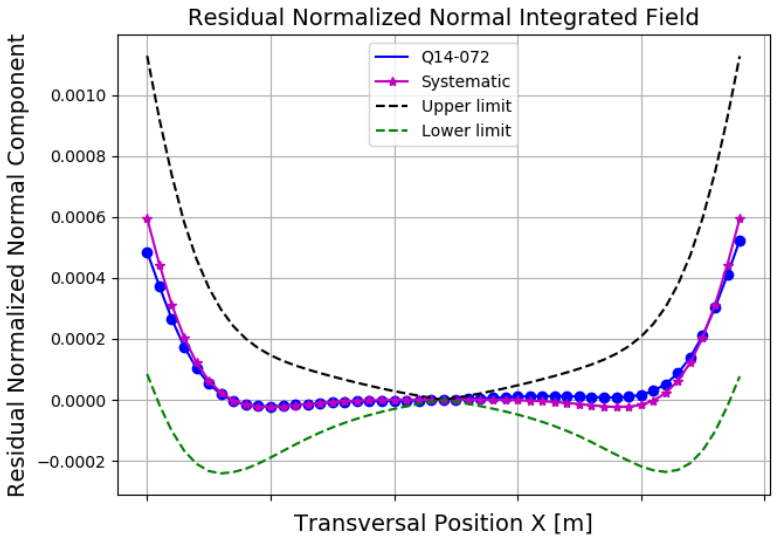
Q14-072

STORAGE RING MAGNET REPORT

Results	
Date	06/04/2018
Hour	14:20:15
Temperature [°C]	23.5
Number of Measurements	9
Main Coil Current [A]	(147.9957 ± 0.0005)
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]	(-5.23815 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(14.55 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(2.98 ± 0.06)
Roll [mrad] - (< ±0.3)	(-4.52 ± 0.02) 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)	(-1.212 ± 0.003) x E-3	(-2.48 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000007)	(-9.03 ± 0.04) x E-4
3 (sextupole)	(2.9 ± 0.4) x E-5	(4.7 ± 35.7) x E-7
4	(7.1 ± 0.3) x E-5	(-1.7 ± 0.4) x E-5
5	(-1.3 ± 0.3) x E-5	(5.2 ± 0.4) x E-5
6	(-4.37 ± 0.02) x E-4	(2.4 ± 0.3) x E-5
7	(4 ± 3) x E-6	(-1.6 ± 0.3) x E-5
8	(-9.1 ± 56.0) x E-7	(-7 ± 5) x E-6
9	(-3 ± 3) x E-6	(-1.2 ± 0.5) x E-5
10	(1.544 ± 0.004) x E-3	(-8 ± 3) x E-6
11	(5.2 ± 41.9) x E-7	(5 ± 6) x E-6
12	(3 ± 5) x E-6	(1.1 ± 0.4) x E-5
13	(3 ± 3) x E-6	(4 ± 3) x E-6
14	(-6.75 ± 0.04) x E-4	(-9 ± 4) x E-6
15	(-2 ± 4) x E-6	(-4 ± 3) x E-6