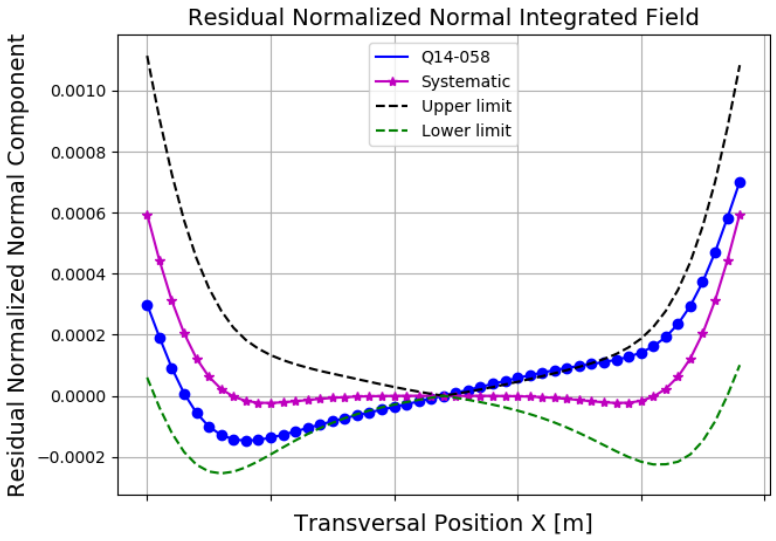
Q14-058

STORAGE RING MAGNET REPORT

Results	
Date	13/04/2018
Hour	14:47:29
Temperature [°C]	23.8
Number of Measurements	9
Main Coil Current [A]	(147.9960 ± 0.0004)
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]	(-5.23738 ± 0.00001)
Magnet Center Offset X [μm] - (< ±40.0)	(3.9 ± 0.4) x E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(9.18 ± 0.05)
Roll [mrad] - (< ±0.3)	(-3.07 ± 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)	(-3.2 ± 0.3) x E-5	(-7.65 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-6.13 ± 0.05) x E-4
3 (sextupole)	(2.27 ± 0.03) x E-4	(2.70 ± 0.04) x E-4
4	(5.4 ± 0.4) x E-5	(-4.6 ± 0.4) x E-5
5	(-2.5 ± 0.3) x E-5	(-1.8 ± 0.6) x E-5
6	(-4.09 ± 0.03) x E-4	(4.2 ± 0.6) x E-5
7	(3 ± 2) x E-6	(-7 ± 6) x E-6
8	(-7 ± 4) x E-6	(-4 ± 5) x E-6
9	(4 ± 4) x E-6	(3 ± 4) x E-6
10	(1.532 ± 0.005) x E-3	(-1.3 ± 0.4) x E-5
11	(-6 ± 3) x E-6	(-2 ± 5) x E-6
12	(6 ± 3) x E-6	(7 ± 4) x E-6
13	(-4.0 ± 41.5) x E-7	(8.2 ± 26.0) x E-7
14	(-6.75 ± 0.04) x E-4	(-1.2 ± 0.4) x E-5
15	(-6.4 ± 41.7) x E-7	(-5 ± 5) x E-6