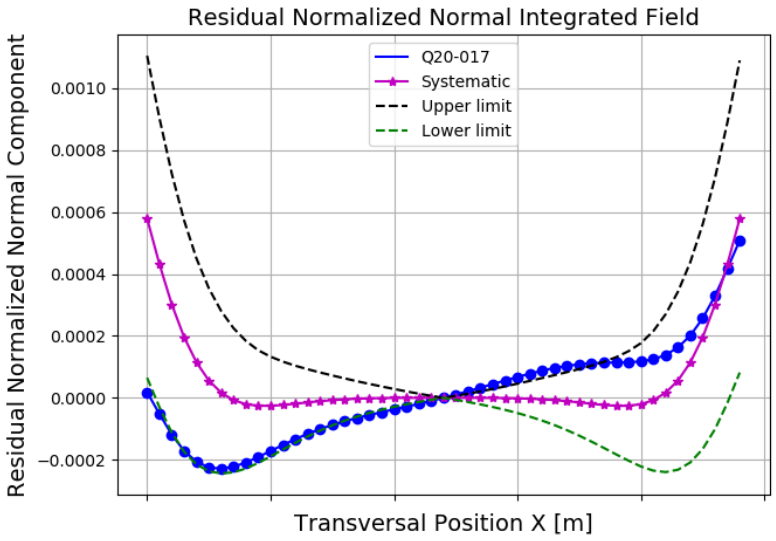
Q20-017

STORAGE RING MAGNET REPORT

Results	
Date	13/06/2018
Hour	14:32:24
Temperature [°C]	22.52
Number of Measurements	9
Main Coil Current [A]	(157.5185 ± 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]	(-9.10347 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(2.6 ± 0.2) x E-1
Magnet Center Offset Y [μm] - (< ±40.0)	(7.68 ± 0.05)
Roll [mrad] - (< ±0.3)	(5.3 ± 0.2) x E-2
Electric Parameters	
Indutance [mH]	8.9467
Voltage [V]	5.42
Resistance [mΩ]	34.4
Main Coil Number of Turns	23.25



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)	(-2.2 ± 0.1) x E-5	(-6.40 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(1.06 ± 0.04) x E-4
3 (sextupole)	(2.46 ± 0.02) x E-4	(2.36 ± 0.06) x E-4
4	(1.50 ± 0.03) x E-4	(-2.4 ± 0.2) x E-5
5	(-4 ± 6) x E-6	(-3.3 ± 0.5) x E-5
6	(-8.78 ± 0.05) x E-4	(1.21 ± 0.06) x E-4
7	(5 ± 3) x E-6	(-2.0 ± 0.7) x E-5
8	(-4 ± 6) x E-6	(-1.3 ± 0.6) x E-5
9	(-2.4 ± 78.9) x E-7	(4 ± 4) x E-6
10	(1.716 ± 0.004) x E-3	(-2.6 ± 0.6) x E-5
11	(-5 ± 5) x E-6	(4 ± 7) x E-6
12	(-4 ± 7) x E-6	(1.6 ± 0.5) x E-5
13	(-1 ± 5) x E-6	(2 ± 6) x E-6
14	(-7.16 ± 0.05) x E-4	(7 ± 5) x E-6
15	(5 ± 6) x E-6	(-6.0 ± 34.4) x E-7