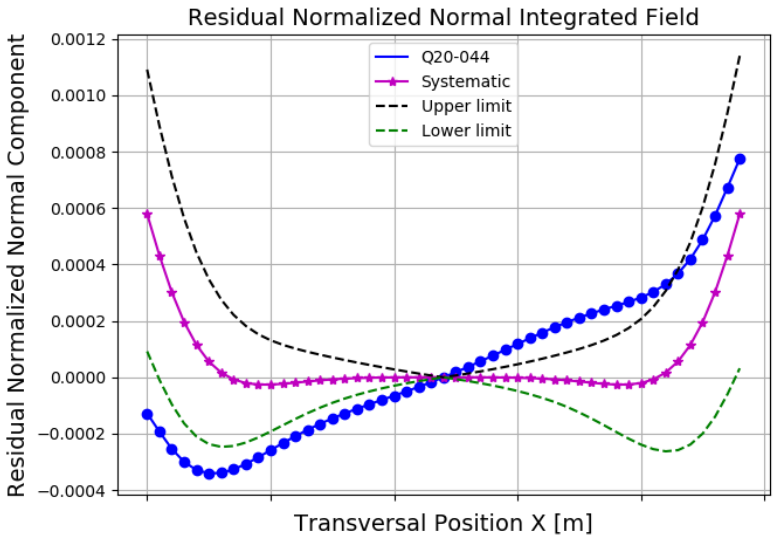
Q20-044

STORAGE RING MAGNET REPORT

Results	
Date	14/06/2018
Hour	15:41:58
Temperature [°C]	23.12
Number of Measurements	9
Main Coil Current [A]	(157.4377 ± 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]	(-9.09094 ± 0.00006)
Magnet Center Offset X [μm] - (< ±40.0)	(7.96 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(16.52 ± 0.09)
Roll [mrad] - (< ±0.3)	(1.27 ± 0.03) x E-1
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)	(-6.64 ± 0.04) x E-4	(-1.377 ± 0.007) x E-3
2 (quadrupole)	(1.000000 ± 0.000010)	(2.54 ± 0.07) x E-4
3 (sextupole)	(4.25 ± 0.09) x E-4	(6.88 ± 0.07) x E-4
4	(2.3 ± 0.1) x E-4	(-5 ± 6) x E-6
5	(4.5 ± 0.5) x E-5	(-8.2 ± 0.7) x E-5
6	(-8.89 ± 0.04) x E-4	(1.1 ± 0.1) x E-4
7	(-6 ± 7) x E-6	(-3.8 ± 0.4) x E-5
8	(-1.7 ± 0.6) x E-5	(-4 ± 5) x E-6
9	(-1.3 ± 0.7) x E-5	(-1 ± 6) x E-6
10	(1.706 ± 0.009) x E-3	(-3.5 ± 0.5) x E-5
11	(-7.4 ± 94.9) x E-7	(1.5 ± 0.7) x E-5
12	(9 ± 9) x E-6	(5 ± 6) x E-6
13	(6 ± 6) x E-6	(9 ± 5) x E-6
14	(-7.19 ± 0.10) x E-4	(1.3 ± 0.8) x E-5
15	(-4 ± 9) x E-6	(-5 ± 6) x E-6