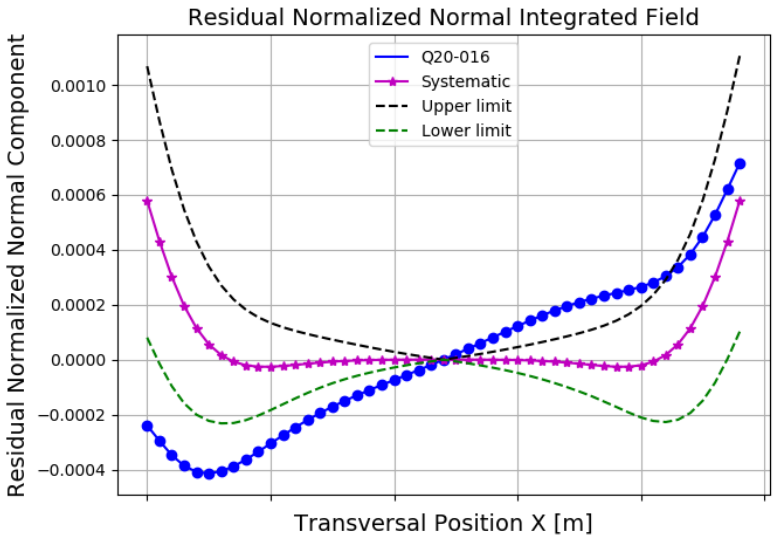
Q20-016

STORAGE RING MAGNET REPORT

Results	
Date	18/06/2018
Hour	09:55:18
Temperature [°C]	23.79
Number of Measurements	9
Main Coil Current [A]	(157.4399 ± 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]	(-9.09973 ± 0.00002)
Magnet Center Offset X [μm] - (< ±40.0)	(-3.54 ± 0.05)
Magnet Center Offset Y [μm] - (< ±40.0)	(9.65 ± 0.06)
Roll [mrad] - (< ±0.3)	(1.49 ± 0.04) 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)	(2.95 ± 0.04) x E-4	(-8.04 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(2.99 ± 0.08) x E-4
3 (sextupole)	(4.65 ± 0.09) x E-4	(2.84 ± 0.10) x E-4
4	(1.5 ± 0.1) x E-4	(-2.8 ± 0.3) x E-5
5	(2 ± 1) x E-5	(-2.8 ± 0.8) x E-5
6	(-8.80 ± 0.05) x E-4	(1.3 ± 0.1) x E-4
7	(-3 ± 10) x E-6	(-1 ± 1) x E-5
8	(-1.4 ± 0.8) x E-5	(-1.2 ± 0.7) x E-5
9	(8 ± 6) x E-6	(8.6 ± 76.3) x E-7
10	(1.698 ± 0.005) x E-3	(-4.9 ± 0.8) x E-5
11	(-2.9 ± 49.6) x E-7	(8 ± 9) x E-6
12	(8 ± 4) x E-6	(8 ± 6) x E-6
13	(-7 ± 7) x E-6	(-8.1 ± 75.1) x E-7
14	(-7.20 ± 0.08) x E-4	(2.6 ± 0.8) x E-5
15	(6.5 ± 34.5) x E-7	(-8 ± 9) x E-6