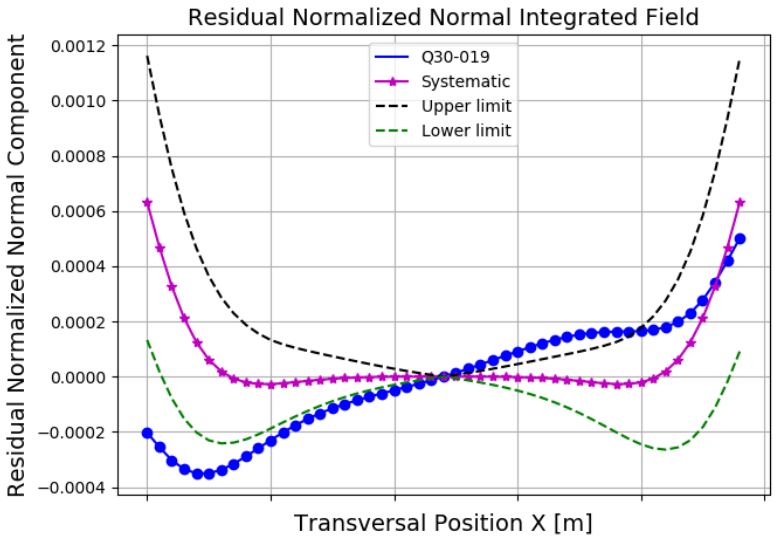
Q30-019

STORAGE RING MAGNET REPORT

Results	
Date	03/05/2018
Hour	16:56:31
Temperature [°C]	23.16
Number of Measurements	9
Main Coil Current [A]	(154.9964 ± 0.0007)
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]	(-13.63327 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(6.45 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(-1.32 ± 0.06)
Roll [mrad] - (< ±0.3)	(-2.73 ± 0.04) x E-1
Electric Parameters	
Indutance [mH]	9.24
Voltage [V]	7.4863
Resistance [mΩ]	48.3
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)	(-5.37 ± 0.03) x E-4	(1.10 ± 0.05) x E-4
2 (quadrupole)	(1.000000 ± 0.000003)	(-5.46 ± 0.09) x E-4
3 (sextupole)	(3.27 ± 0.03) x E-4	(2.97 ± 0.06) x E-4
4	(2.18 ± 0.04) x E-4	(-5.0 ± 0.5) x E-5
5	(3.0 ± 0.5) x E-5	(-4.0 ± 0.4) x E-5
6	(-1.118 ± 0.005) x E-3	(1.25 ± 0.09) x E-4
7	(5 ± 6) x E-6	(-2.3 ± 0.4) x E-5
8	(-2.3 ± 0.5) x E-5	(-4.05 ± 121.20) x E-7
9	(3 ± 5) x E-6	(9 ± 7) x E-6
10	(1.779 ± 0.009) x E-3	(-7.6 ± 0.6) x E-5
11	(-3 ± 7) x E-6	(1.2 ± 0.8) x E-5
12	(1.7 ± 0.6) x E-5	(6 ± 5) x E-6
13	(-7 ± 5) x E-6	(-9.8 ± 75.8) x E-7
14	(-7.24 ± 0.07) x E-4	(2.7 ± 0.9) x E-5
15	(-1 ± 9) x E-6	(-8 ± 5) x E-6