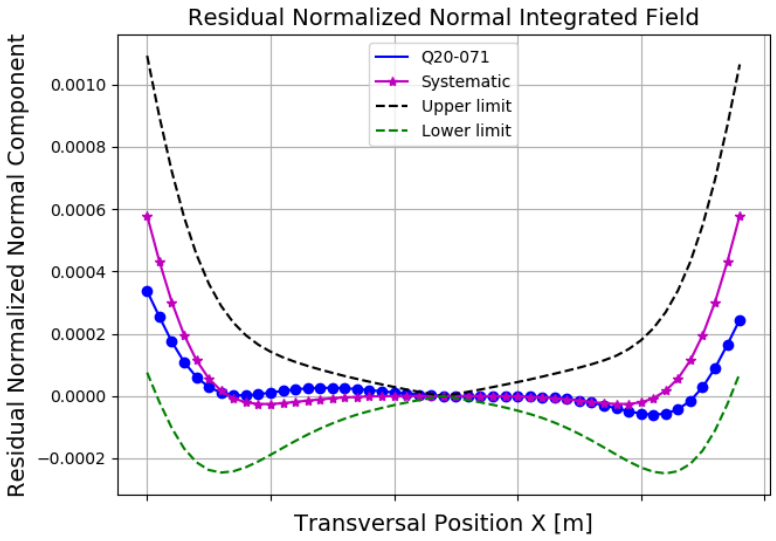
Q20-071

STORAGE RING MAGNET REPORT

Results	
Date	16/05/2018
Hour	16:24:01
Temperature [°C]	23.57
Number of Measurements	9
Main Coil Current [A]	(157.4368 ± 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]	(-9.08649 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(11.80 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(4.26 ± 0.05)
Roll [mrad] - (< ±0.3)	(-4.9 ± 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)	(-9.83 ± 0.03) x E-4	(-3.55 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-9.8 ± 0.3) x E-5
3 (sextupole)	(-4.0 ± 0.2) x E-5	(-2.28 ± 0.05) x E-4
4	(1.92 ± 0.03) x E-4	(-2.3 ± 0.3) x E-5
5	(-1.1 ± 0.2) x E-5	(6.3 ± 0.3) x E-5
6	(-8.71 ± 0.04) x E-4	(6.5 ± 0.2) x E-5
7	(1.2 ± 0.3) x E-5	(1.4 ± 0.5) x E-5
8	(-9 ± 4) x E-6	(-2 ± 3) x E-6
9	(-1.2 ± 0.4) x E-5	(-1.0 ± 0.5) x E-5
10	(1.676 ± 0.001) x E-3	(-2.4 ± 0.3) x E-5
11	(-6 ± 4) x E-6	(-1.3 ± 0.3) x E-5
12	(5 ± 3) x E-6	(8 ± 5) x E-6
13	(1.1 ± 0.4) x E-5	(2 ± 4) x E-6
14	(-7.03 ± 0.04) x E-4	(2 ± 4) x E-6
15	(5.14 ± 571.66) x E-8	(6 ± 4) x E-6