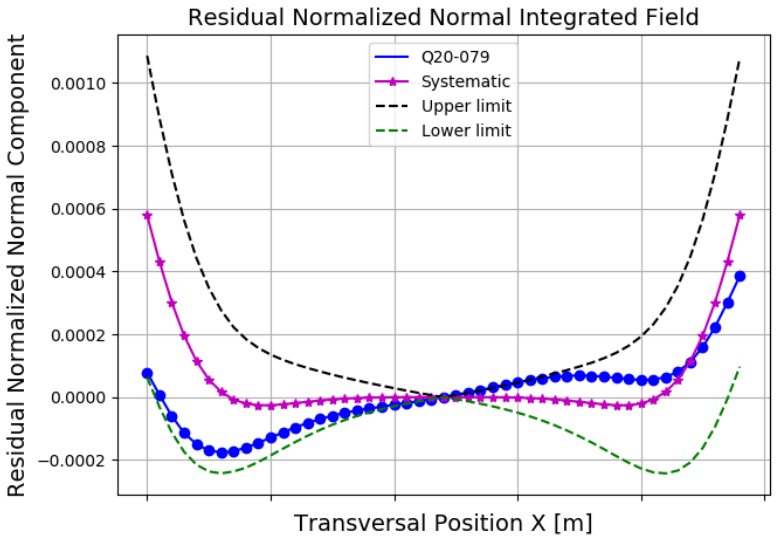
Q20-079

STORAGE RING MAGNET REPORT

Results	
Date	25/05/2018
Hour	10:05:13
Temperature [°C]	23.56
Number of Measurements	9
Main Coil Current [A]	(157.3571 ± 0.0004)
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]	(-9.07739 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(11.13 ± 0.04)
Magnet Center Offset Y [μm] - (< ±40.0)	(16.54 ± 0.03)
Roll [mrad] - (< ±0.3)	(2.8 ± 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)	(-9.27 ± 0.04) x E-4	(-1.378 ± 0.003) x E-3
2 (quadrupole)	(1.000000 ± 0.000005)	(5.6 ± 0.4) x E-5
3 (sextupole)	(1.66 ± 0.02) x E-4	(5.37 ± 0.04) x E-4
4	(1.39 ± 0.03) x E-4	(-4.9 ± 0.4) x E-5
5	(-8 ± 4) x E-6	(-3.9 ± 0.5) x E-5
6	(-8.84 ± 0.02) x E-4	(1.00 ± 0.05) x E-4
7	(3 ± 6) x E-6	(-2.7 ± 0.5) x E-5
8	(-4 ± 7) x E-6	(-4 ± 3) x E-6
9	(-1.7 ± 0.3) x E-5	(-6 ± 6) x E-6
10	(1.676 ± 0.004) x E-3	(-3.9 ± 0.6) x E-5
11	(-5 ± 7) x E-6	(10 ± 7) x E-6
12	(-2.9 ± 81.9) x E-7	(7 ± 2) x E-6
13	(1.3 ± 0.6) x E-5	(3 ± 4) x E-6
14	(-6.96 ± 0.06) x E-4	(1.9 ± 0.6) x E-5
15	(2 ± 7) x E-6	(-1 ± 7) x E-6