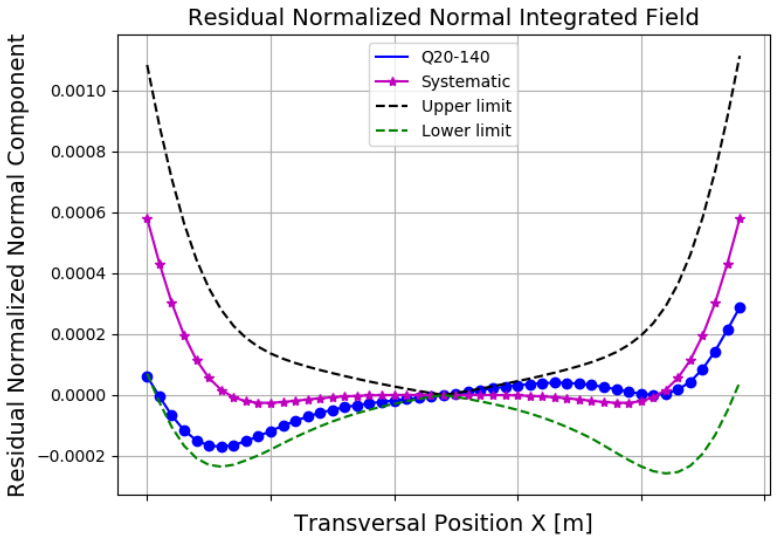
Q20-140

STORAGE RING MAGNET REPORT

Results	
Date	08/06/2018
Hour	09:01:29
Temperature [°C]	23.08
Number of Measurements	9
Main Coil Current [A]	(157.3593 ± 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]	(-9.07980 ± 0.00004)
Magnet Center Offset X [μm] - (< ±40.0)	(4.77 ± 0.02)
Magnet Center Offset Y [μm] - (< ±40.0)	(2.34 ± 0.04)
Roll [mrad] - (< ±0.3)	(1.58 ± 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)	(-3.97 ± 0.02) x E-4	(-1.95 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000006)	(3.16 ± 0.06) x E-4
3 (sextupole)	(1.19 ± 0.03) x E-4	(7.5 ± 0.3) x E-5
4	(8.8 ± 0.5) x E-5	(-5.2 ± 0.5) x E-5
5	(-7 ± 4) x E-6	(-2.2 ± 0.6) x E-5
6	(-8.72 ± 0.07) x E-4	(8.9 ± 0.7) x E-5
7	(7.0 ± 39.0) x E-7	(6 ± 6) x E-6
8	(1.9 ± 41.4) x E-7	(-1 ± 7) x E-6
9	(3 ± 7) x E-6	(2.1 ± 38.8) x E-7
10	(1.656 ± 0.006) x E-3	(-4.3 ± 0.5) x E-5
11	(3 ± 4) x E-6	(1.9 ± 45.6) x E-7
12	(-2 ± 3) x E-6	(8 ± 5) x E-6
13	(-6.1 ± 53.8) x E-7	(3 ± 2) x E-6
14	(-6.95 ± 0.08) x E-4	(7 ± 5) x E-6
15	(-5 ± 5) x E-6	(2 ± 3) x E-6