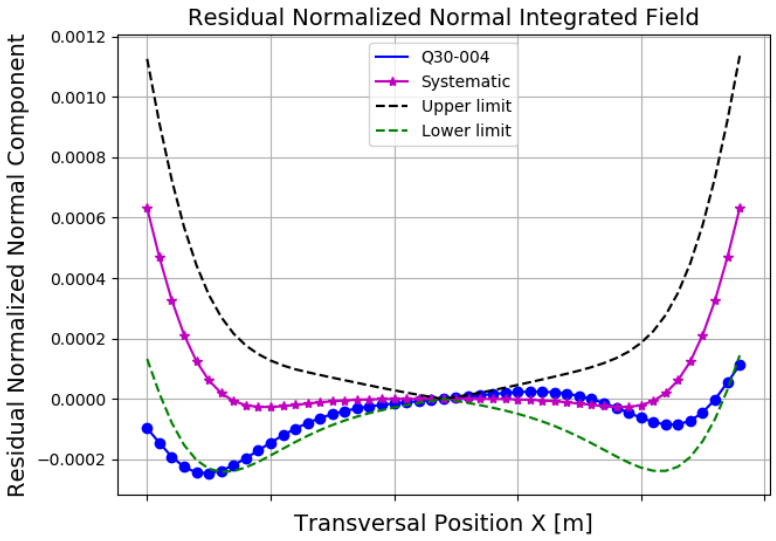
Q30-004

STORAGE RING MAGNET REPORT

Results	
Date	27/04/2018
Hour	15:46:59
Temperature [°C]	23.23
Number of Measurements	9
Main Coil Current [A]	(154.9970 ± 0.0003)
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]	(-13.62298 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(8.85 ± 0.01)
Magnet Center Offset Y [μm] - (< ±40.0)	(-5.89 ± 0.09)
Roll [mrad] - (< ±0.3)	(-1.91 ± 0.03) 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)	(-7.372 ± 0.009) x E-4	(4.91 ± 0.08) x E-4
2 (quadrupole)	(1.000000 ± 0.000003)	(-3.83 ± 0.06) x E-4
3 (sextupole)	(9.4 ± 0.3) x E-5	(4.5 ± 0.8) x E-5
4	(4.5 ± 0.4) x E-5	(-6.5 ± 0.6) x E-5
5	(1.6 ± 0.3) x E-5	(2 ± 8) x E-6
6	(-1.083 ± 0.005) x E-3	(1.06 ± 0.06) x E-4
7	(4 ± 5) x E-6	(-2 ± 6) x E-6
8	(1.1 ± 0.4) x E-5	(-7.0 ± 56.4) x E-7
9	(-1.8 ± 0.5) x E-5	(1.0 ± 0.3) x E-5
10	(1.776 ± 0.004) x E-3	(-5.8 ± 0.7) x E-5
11	(4 ± 5) x E-6	(-2 ± 6) x E-6
12	(-1.3 ± 0.6) x E-5	(1.4 ± 0.7) x E-5
13	(1.0 ± 0.4) x E-5	(-5 ± 7) x E-6
14	(-7.29 ± 0.05) x E-4	(2.7 ± 0.6) x E-5
15	(-6 ± 8) x E-6	(6 ± 6) x E-6