



Q20-126

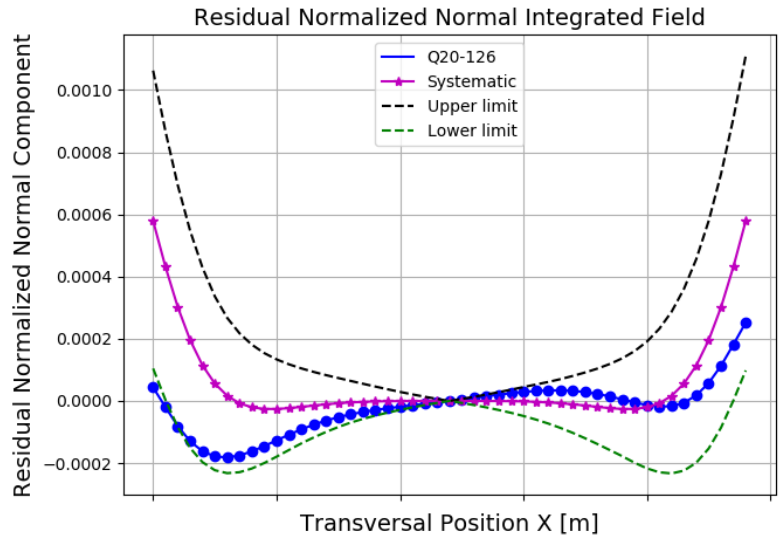
STORAGE RING MAGNET REPORT

Results

Date	05/06/2018
Hour	15:42:11
Temperature [°C]	22.96
Number of Measurements	9
Main Coil Current [A]	(157.5564 ± 0.0008)
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]	(-9.09208 ± 0.00003)
Magnet Center Offset X [μm] - (< ±40.0)	(4.67 ± 0.03)
Magnet Center Offset Y [μm] - (< ±40.0)	(1.88 ± 0.04)
Roll [mrad] - (< ±0.3)	(-6.0 ± 0.2) x E-2

Electric Parameters

Inductance [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⁾]
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1 (dipole)	(-3.89 ± 0.02) x E-4	(-1.57 ± 0.04) x E-4
2 (quadrupole)	(1.000000 ± 0.000005)	(-1.21 ± 0.05) x E-4
3 (sextupole)	(1.17 ± 0.02) x E-4	(4.3 ± 0.2) x E-5
4	(5.3 ± 0.4) x E-5	(5 ± 3) x E-6
5	(-1.1 ± 0.4) x E-5	(-2.0 ± 0.3) x E-5
6	(-8.71 ± 0.04) x E-4	(6.5 ± 0.4) x E-5
7	(3 ± 4) x E-6	(3 ± 4) x E-6
8	(1.6 ± 0.4) x E-5	(-4 ± 4) x E-6
9	(-9 ± 6) x E-6	(1 ± 3) x E-6
10	(1.660 ± 0.005) x E-3	(-3.2 ± 0.5) x E-5
11	(-2 ± 5) x E-6	(-1.1 ± 46.7) x E-7
12	(-1.3 ± 0.3) x E-5	(3 ± 4) x E-6
13	(7 ± 5) x E-6	(-3 ± 4) x E-6
14	(-6.98 ± 0.06) x E-4	(-9.4 ± 30.6) x E-7
15	(-3.7 ± 48.2) x E-7	(-2 ± 5) x E-6

