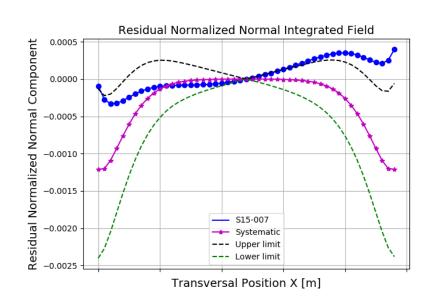


S15-007

STORAGE RING MAGNET REPORT

Results		
Date	31/08/2018	
Hour	14:44:52	
Temperature [°C]	23.323	
Number of Measurements	9	
Main Coil Current [A]	(167.7976 ± 0.0010	
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/m]	(-364.716 ± 0.001)	
Magnet Center Offset X [μm] - (< ±40.0)	(16.20 ± 0.01)	
Magnet Center Offset Y [μm] - (< ±40.0)	(24.11 ± 0.07)	
Roll [mrad] - (< ±0.3)	(-8.4 ± 0.3) x E-2	
Electric Parameters		
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m Ω]	35.82	
Main Coil Number of Turns	11.25	



	Normalized	Normalized
	Normal	Skew
n	Multipoles	Multipoles
	x=12.0 mm	x=12.0 mm
	[T.m ⁽²⁻ⁿ⁾]	[T.m ⁽²⁻ⁿ⁾]
1 (dipole)	(-7.10 ± 0.05) x E-4	(4.2 ± 0.1) x E-4
2 (quadrupole)	(-2.700 ± 0.002) x E-3	(-4.02 ± 0.01) x E-3
3 (sextupole)	(1.000000 ± 0.000005)	(-2.51 ± 0.09) x E-4
4	(4.07 ± 0.03) x E-4	(-1.1 ± 0.1) x E-4
5	(4.83 ± 0.04) x E-4	(-8.9 ± 0.7) x E-5
6	(-1.04 ± 0.05) x E-4	(2.3 ± 0.7) x E-5
7	(1.89 ± 0.05) x E-4	(-3.9 ± 1.0) x E-5
8	(2.9 ± 0.4) x E-5	(7.4 ± 0.4) x E-5
9	(-1.735 ± 0.009) x E-3	(3.2 ± 0.1) x E-4
10	(-4.0 ± 0.8) x E-5	(4 ± 1) x E-5
11	(1 ± 1) x E-5	(-5.1 ± 14.7) x E-6
12	(-1.1 ± 0.9) x E-5	(-1 ± 1) x E-5
13	(-5 ± 9) x E-6	(3.1 ± 0.7) x E-5
14	(-3.6 ± 1.0) x E-5	(-5.6 ± 0.9) x E-5
15	(1.205 ± 0.008) x E-3	(-1.67 ± 0.09) x E-4

