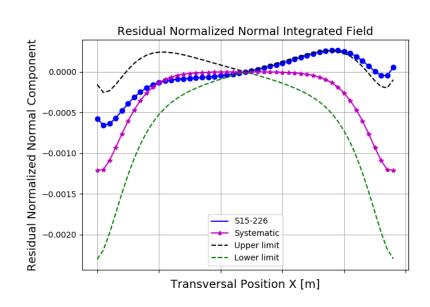


S15-226

STORAGE RING MAGNET REPORT

Results		
Date	30/07/2018	
Hour	15:33:23	
Temperature [°C]	23.196	
Number of Measurements	9	
Main Coil Current [A]	(167.7994 ± 0.0009	
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]	(-359.675 ± 0.005)	
Magnet Center Offset X [μm] - (< ±40.0)	(11.31 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(27.12 ± 0.05)	
Roll [mrad] - (< ±0.3)	(9.0 ± 0.4) x E-2	
Electric Parameters		
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [mΩ]	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)	(-3.4 ± 0.5) x E-5	(5.1 ± 0.1) x E-4
2 (quadrupole)	(-1.885 ± 0.005) x E-3	(-4.520 ± 0.008) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(2.7 ± 0.1) x E-4
4	(3.5 ± 0.1) x E-4	(1.7 ± 0.2) x E-4
5	(3.7 ± 0.2) x E-4	(-2.2 ± 0.1) x E-4
6	(-2 ± 2) x E-5	(-2 ± 2) x E-5
7	(1.3 ± 0.2) x E-4	(3 ± 2) x E-5
8	(-5.0 ± 16.4) x E-6	(2 ± 2) x E-5
9	(-1.95 ± 0.02) x E-3	(4.9 ± 0.2) x E-4
10	(9.1 ± 18.7) x E-6	(-4 ± 2) x E-5
11	(-3 ± 3) x E-5	(-2.5 ± 0.9) x E-5
12	(9.2 ± 18.5) x E-6	(2 ± 2) x E-5
13	(-5 ± 2) x E-5	(-4.59 ± 265.91) x E-7
14	(-2 ± 2) x E-5	(-4 ± 3) x E-5
15	(1.26 ± 0.01) x E-3	(6 ± 1) x E-5

