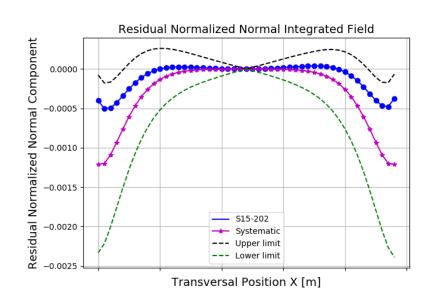


S15-202

STORAGE RING MAGNET REPORT

Results		
Date	08/08/2018	
Hour	12:40:06	
Temperature [°C]	23.611	
Number of Measurements	9	
Main Coil Current [A]	(167.7989 ± 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/m]	(-360.159 ± 0.002)	
Magnet Center Offset X [μm] - (< ±40.0)	(2.319 ± 0.010)	
Magnet Center Offset Y [μm] - (< ±40.0)	(20.82 ± 0.06)	
Roll [mrad] - (< ±0.3)	(-1.2 ± 0.3) 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)	(-6.87 ± 0.04) x E-4	(5.93 ± 0.06) x E-4
2 (quadrupole)	(-3.87 ± 0.02) x E-4	(-3.471 ± 0.010) x E-3
3 (sextupole)	(1.000000 ± 0.000008)	(-3.7 ± 0.8) x E-5
4	(9 ± 4) x E-6	(-1.54 ± 0.06) x E-4
5	(2.26 ± 0.06) x E-4	(-8.7 ± 0.6) x E-5
6	(2.4 ± 0.4) x E-5	(-9 ± 6) x E-6
7	(9.0 ± 0.8) x E-5	(-2.7 ± 0.9) x E-5
8	(-2.2 ± 0.7) x E-5	(3.5 ± 1.0) x E-5
9	(-2.004 ± 0.005) x E-3	(3.2 ± 0.7) x E-5
10	(6 ± 5) x E-6	(2.9 ± 0.6) x E-5
11	(-1.4 ± 0.7) x E-5	(7 ± 6) x E-6
12	(-1.1 ± 0.8) x E-5	(-1.1 ± 0.8) x E-5
13	(-9 ± 6) x E-6	(1.4 ± 0.7) x E-5
14	(7 ± 6) x E-6	(-3.2 ± 0.6) x E-5
15	(1.324 ± 0.008) x E-3	(2.4 ± 0.4) x E-5

