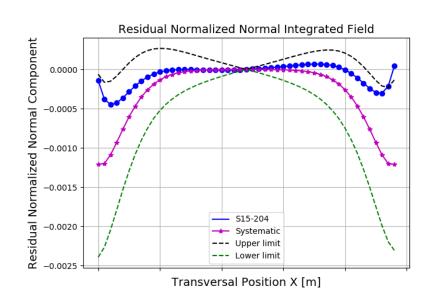


S15-204

STORAGE RING MAGNET REPORT

Results		
Date	02/08/2018	
Hour	12:03:08	
Temperature [°C]	23.343	
Number of Measurements	9	
Main Coil Current [A]	(167.799 ± 0.001)	
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]	(-359.557 ± 0.008	
Magnet Center Offset X [μm] - (< ±40.0)	(15.3 ± 0.1)	
Magnet Center Offset Y [μm] - (< ±40.0)	(22.8 ± 0.3)	
Roll [mrad] - (< ±0.3)	(6 ± 2) x E-2	
Electric Parameters	1	
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)	(-7.86 ± 0.09) x E-4	(5.2 ± 0.5) x E-4
2 (quadrupole)	(-2.55 ± 0.02) x E-3	(-3.79 ± 0.05) x E-3
3 (sextupole)	(1.00000 ± 0.00003)	(1.7 ± 0.5) x E-4
4	(9 ± 4) x E-5	(1.4 ± 0.5) x E-4
5	(2.3 ± 0.4) x E-4	(3 ± 5) x E-5
6	(-8 ± 5) x E-5	(3 ± 5) x E-5
7	(8 ± 4) x E-5	(-2 ± 5) x E-5
8	(6 ± 2) x E-5	(3 ± 4) x E-5
9	(-2.08 ± 0.04) x E-3	(8.4 ± 0.3) x E-4
10	(1 ± 5) x E-5	(-1 ± 3) x E-5
11	(6.4 ± 50.7) x E-6	(1 ± 7) x E-5
12	(6 ± 7) x E-5	(-3 ± 4) x E-5
13	(2 ± 4) x E-5	(-5.7 ± 62.1) x E-6
14	(-4 ± 4) x E-5	(-5 ± 5) x E-5
15	(1.69 ± 0.03) x E-3	(7.0 ± 54.0) x E-6

