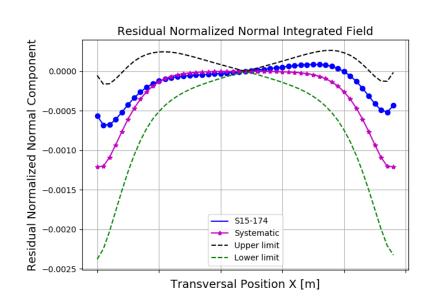


S15-174

STORAGE RING MAGNET REPORT

Results		
Date	04/07/2018	
Hour	10:54:39	
Temperature [°C]	23.664	
Number of Measurements	9	
Main Coil Current [A]	(167.7978 ± 0.0007	
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]	(-359.949 ± 0.003)	
Magnet Center Offset X [μm] - (< ±40.0)	(13.56 ± 0.04)	
Magnet Center Offset Y [μm] - (< ±40.0)	(32.16 ± 0.05)	
Roll [mrad] - (< ±0.3)	(-1.5 ± 0.4) 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)	(1.82 ± 0.05) x E-4	(-2.24 ± 0.08) x E-4
2 (quadrupole)	(-2.260 ± 0.007) x E-3	(-5.359 ± 0.008) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(-4 ± 1) x E-5
4	(1.89 ± 0.05) x E-4	(1.57 ± 0.09) x E-4
5	(1.30 ± 0.05) x E-4	(1.35 ± 0.09) x E-4
6	(-10 ± 1) x E-5	(-3.0 ± 0.5) x E-5
7	(2 ± 1) x E-5	(-3 ± 2) x E-5
8	(2 ± 2) x E-5	(3 ± 1) x E-5
9	(-1.98 ± 0.01) x E-3	(2.4 ± 0.1) x E-4
10	(-1.3 ± 0.9) x E-5	(-5.7 ± 12.4) x E-6
11	(-1.9 ± 92.6) x E-7	(-2.5 ± 0.7) x E-5
12	(-1.2 ± 0.9) x E-5	(2.0 ± 0.5) x E-5
13	(5.9 ± 18.7) x E-6	(1 ± 1) x E-5
14	(-2.8 ± 0.9) x E-5	(-5 ± 1) x E-5
15	(1.33 ± 0.02) x E-3	(-5 ± 1) x E-5

