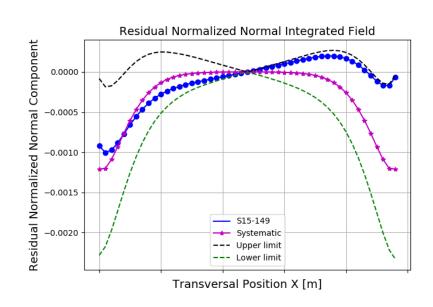


S15-149

STORAGE RING MAGNET REPORT

Results		
Date	29/08/2018	
Hour	16:37:47	
Temperature [°C]	23.242	
Number of Measurements	9	
Main Coil Current [A]	(167.798 ± 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]	(-360.302 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(12.63 ± 0.02)	
Magnet Center Offset Y [μm] - (< ±40.0)	(24.06 ± 0.08)	
Roll [mrad] - (< ±0.3)	(4.5 ± 0.5) 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)	(1.0 ± 0.6) x E-5	(-5 ± 2) x E-5
2 (quadrupole)	(-2.105 ± 0.003) x E-3	(-4.01 ± 0.01) x E-3
3 (sextupole)	(1.00000 ± 0.00001)	(1.3 ± 0.1) x E-4
4	(3.79 ± 0.06) x E-4	(2.1 ± 0.1) x E-4
5	(9 ± 1) x E-5	(4 ± 1) x E-5
6	(7.2 ± 0.6) x E-5	(-3 ± 10) x E-6
7	(2.3 ± 0.5) x E-5	(-3 ± 1) x E-5
8	(4.7 ± 0.8) x E-5	(8.3 ± 11.9) x E-6
9	(-1.846 ± 0.008) x E-3	(2.7 ± 0.1) x E-4
10	(-1 ± 2) x E-5	(-1.9 ± 12.3) x E-6
11	(4 ± 10) x E-6	(1 ± 2) x E-5
12	(-2.9 ± 0.9) x E-5	(9.9 ± 13.6) x E-6
13	(-2 ± 1) x E-5	(2.3 ± 12.8) x E-6
14	(-3 ± 1) x E-5	(-3 ± 1) x E-5
15	(1.26 ± 0.01) x E-3	(-10 ± 1) x E-5

