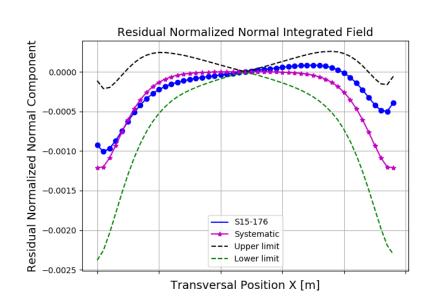


S15-176

STORAGE RING MAGNET REPORT

Results		
Date	16/08/2018	
Hour	09:40:10	
Temperature [°C]	23.574	
Number of Measurements	9	
Main Coil Current [A]	(167.799 ± 0.005)	
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]	(-359.870 ± 0.003	
Magnet Center Offset X [μm] - (< ±40.0)	(8.44 ± 0.03)	
Magnet Center Offset Y [μm] - (< ±40.0)	(27.06 ± 0.04)	
Roll [mrad] - (< ±0.3)	(8.8 ± 0.7) x E-2	
Electric Parameters	I	
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)	(-6.73 ± 0.05) x E-4	(9.06 ± 0.08) x E-4
2 (quadrupole)	(-1.407 ± 0.005) x E-3	(-4.510 ± 0.006) x E-3
3 (sextupole)	(1.000000 ± 0.000010)	(2.6 ± 0.2) x E-4
4	(2.32 ± 0.09) x E-4	(1.5 ± 0.1) x E-4
5	(-3 ± 1) x E-5	(-1.1 ± 0.1) x E-4
6	(1 ± 1) x E-5	(1 ± 6) x E-6
7	(3.2 ± 0.9) x E-5	(-1 ± 1) x E-5
8	(2 ± 1) x E-5	(5 ± 1) x E-5
9	(-2.06 ± 0.01) x E-3	(1.32 ± 0.07) x E-4
10	(1 ± 1) x E-5	(-9.3 ± 15.0) x E-6
11	(3.4 ± 1.0) x E-5	(-9.0 ± 15.7) x E-6
12	(8 ± 7) x E-6	(-7.3 ± 85.2) x E-7
13	(-2 ± 1) x E-5	(9.1 ± 12.3) x E-6
14	(-2 ± 1) x E-5	(-4.8 ± 1.0) x E-5
15	(1.38 ± 0.01) x E-3	(6 ± 1) x E-5

