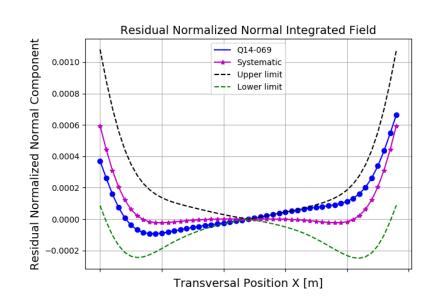


## Q14-069

## STORAGE RING MAGNET REPORT

Results		
Date	06/04/2018	
Hour	12:04:18	
Temperature [°C]	23.7	
Number of Measurements	9	
Main Coil Current [A]	(147.9953 ± 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]	(-5.23734 ± 0.00001	
Magnet Center Offset X [μm] - (< ±40.0)	(4.92 ± 0.05)	
Magnet Center Offset Y [μm] - (< ±40.0)	(4.03 ± 0.03)	
Roll [mrad] - (< ±0.3)	(-3.36 ± 0.01) x E-1	
Electric Parameters		
Indutance [mH]	4.781	
Voltage [V]	4.4843	
Resistance [m $\Omega$ ]	30.3	
Main Coil Number of Turns	20.0	



	<del>_</del>	
	Normalized	Normalized
	Normal	Skew
n	Multipoles	Multipoles
	x=12.0 mm	x=12.0 mm
	[T.m <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
1 (dipole)	(-4.10 ± 0.04) x E-4	(-3.36 ± 0.03) x E-4
2 (quadrupole)	(1.000000 ± 0.000004)	(-6.73 ± 0.03) x E-4
3 (sextupole)	(1.59 ± 0.03) x E-4	(1.4 ± 0.3) x E-5
4	(9.7 ± 0.2) x E-5	(-1.4 ± 0.2) x E-5
5	(-1.1 ± 0.2) x E-5	(-2.1 ± 0.3) x E-5
6	(-4.45 ± 0.02) x E-4	(1.2 ± 0.2) x E-5
7	(-2 ± 2) x E-6	(10 ± 4) x E-6
8	(-4 ± 3) x E-6	(-5 ± 2) x E-6
9	(7 ± 2) x E-6	(7 ± 4) x E-6
10	(1.539 ± 0.002) x E-3	(-5.8 ± 27.5) x E-7
11	(2 ± 3) x E-6	(-5 ± 4) x E-6
12	(3 ± 4) x E-6	(8 ± 3) x E-6
13	(-3 ± 4) x E-6	(-7.7 ± 30.1) x E-7
14	(-6.74 ± 0.02) x E-4	(-1.2 ± 0.2) x E-5
15	(-3 ± 3) x E-6	(-8.6 ± 46.4) x E-7

