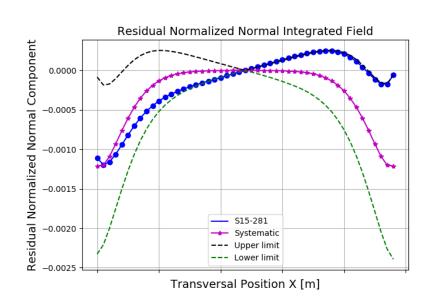


## S15-281

## STORAGE RING MAGNET REPORT

Results		
Date	23/07/2018	
Hour	11:43:00	
Temperature [°C]	23.676	
Number of Measurements	9	
Main Coil Current [A]	(167.7993 ± 0.0009	
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]	(-359.672 ± 0.005)	
Magnet Center Offset X [μm] - (< ±40.0)	(3.8 ± 0.1)	
Magnet Center Offset Y [μm] - (< ±40.0)	(28.5 ± 0.2)	
Roll [mrad] - (< ±0.3)	(-5 ± 1) x E-2	
Electric Parameters	ı	
Indutance [mH]	3.157	
Voltage [V]	6.0106	
Resistance [m $\Omega$ ]	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 <sup>(2-n)</sup> ]	[T.m <sup>(2-n)</sup> ]
1 (dipole)	(-1.56 ± 0.05) x E-4	(5.7 ± 0.3) x E-4
2 (quadrupole)	(-6.3 ± 0.2) x E-4	(-4.75 ± 0.03) x E-3
3 (sextupole)	(1.00000 ± 0.00002)	(-1.4 ± 0.3) x E-4
4	(5.4 ± 0.3) x E-4	(2.6 ± 0.2) x E-4
5	(-2.4 ± 30.3) x E-6	(-8 ± 4) x E-5
6	(4.7 ± 23.1) x E-6	(-4 ± 3) x E-5
7	(4 ± 2) x E-5	(4 ± 3) x E-5
8	(6.2 ± 32.3) x E-6	(1.5 ± 24.8) x E-6
9	(-1.95 ± 0.03) x E-3	(4.8 ± 0.3) x E-4
10	(5.1 ± 26.2) x E-6	(-2 ± 3) x E-5
11	(7.1 ± 36.8) x E-6	(-2 ± 3) x E-5
12	(-7.4 ± 31.6) x E-6	(1 ± 3) x E-5
13	(-2 ± 3) x E-5	(2 ± 3) x E-5
14	(-2 ± 3) x E-5	(-3 ± 3) x E-5
15	(1.35 ± 0.03) x E-3	(1.2 ± 0.4) x E-4

