

## Particle on a Ring

	Ket Representation	Wave Function Representation	Matrix Representation
Hamiltonian			
Eigenvalues of Hamiltonian			
Normalized Eigenstates of Hamiltonian			
Coefficient of $m^{\text{th}}$ energy eigenstates			
Probability of measuring $E_m$			
Expectation value of Hamiltonian			

## Particle on a Ring

Operator for z-component of angular momentum			
Eigenvalues of $L_z$			
Normalized Eigenstates of $L_z$			
Coefficient of $m^{\text{th}}$ eigenstates of $L_z$			
Probability of measuring $m\hbar$ for z - component of angular momentum			
Expectation value of z-component of angular momentum			