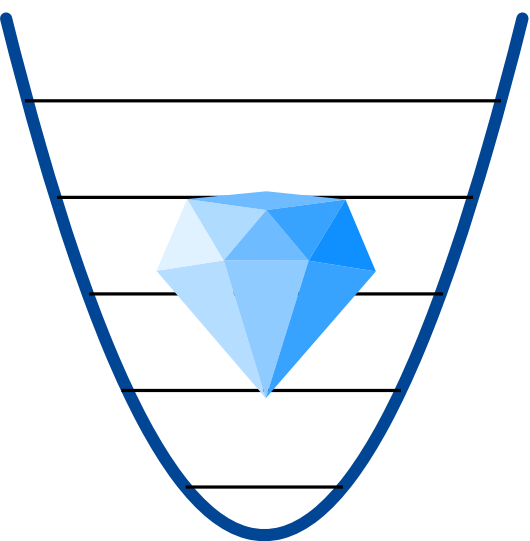
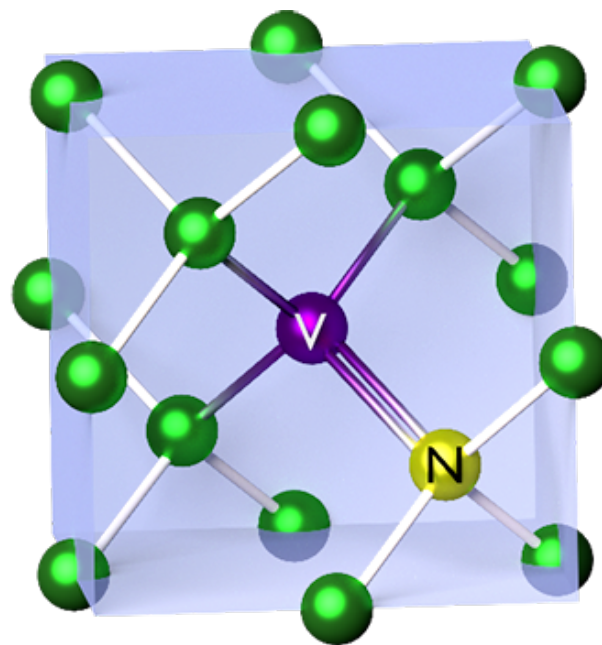


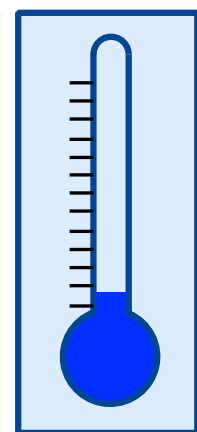
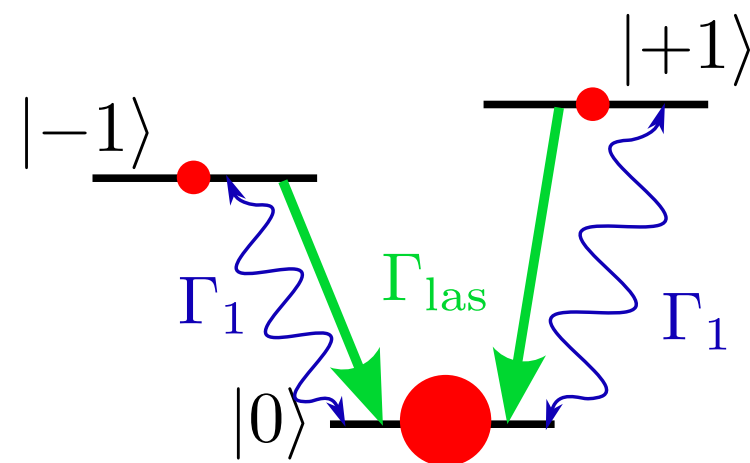
Center of mass Temperature



Lattice Temperature

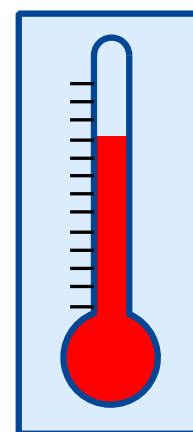
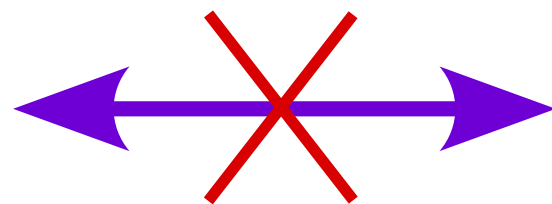


Spin Temperature



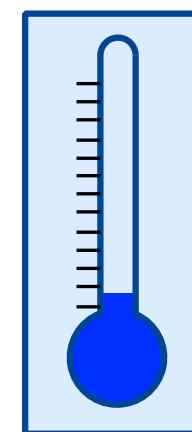
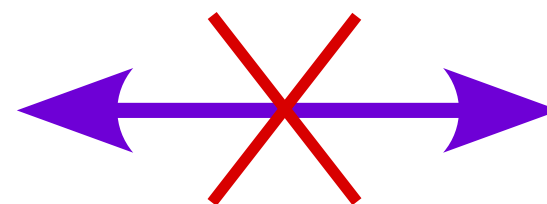
Feedback
cooling

Levitation



300 K

Out of
equilibrium



Optical
polarization

Spin-mechanics entanglement

