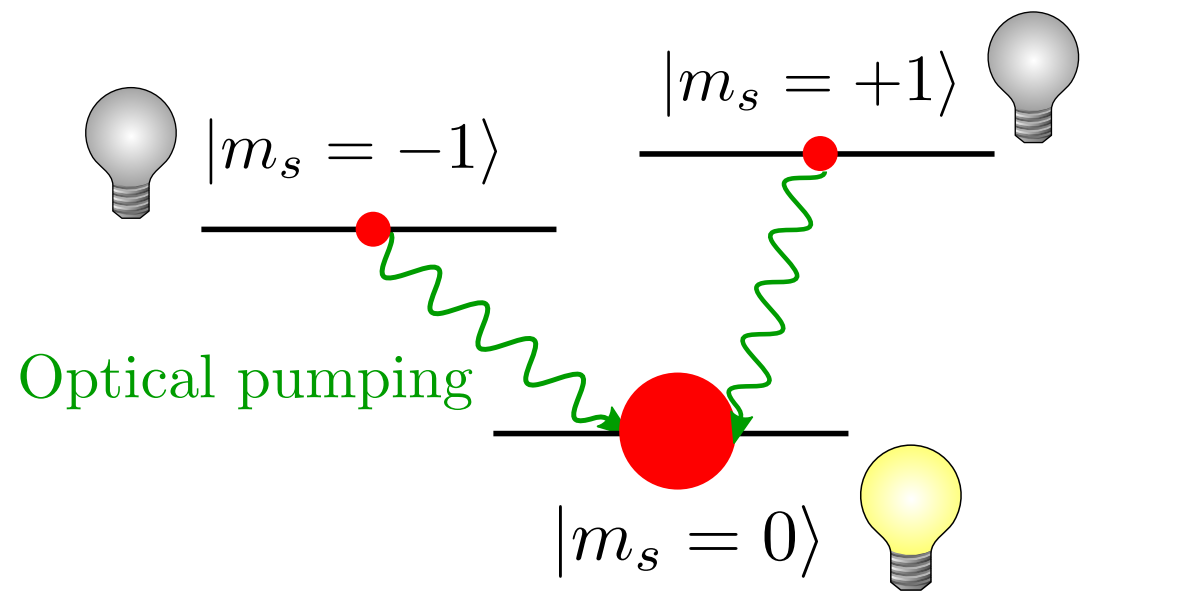


Optical pumping of the spin states



- Population accumulation in the $|0\rangle$ state
 ↳ Initialization of the spin state
- $|0\rangle$ state brighter than $|\pm 1\rangle$ states
 ↳ Optical readout of the spin state