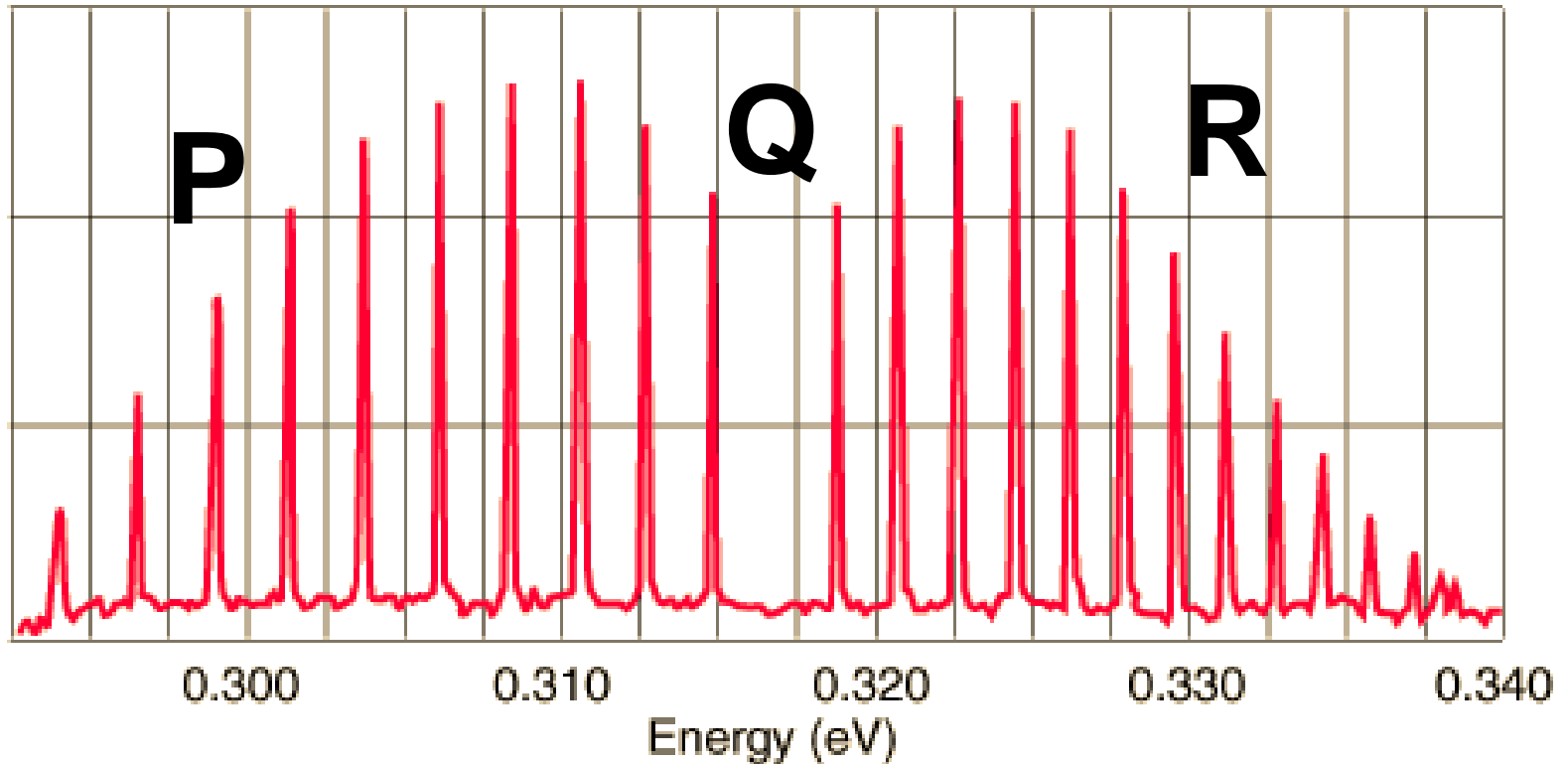


Sketch of the vibration-rotation spectrum of HBr



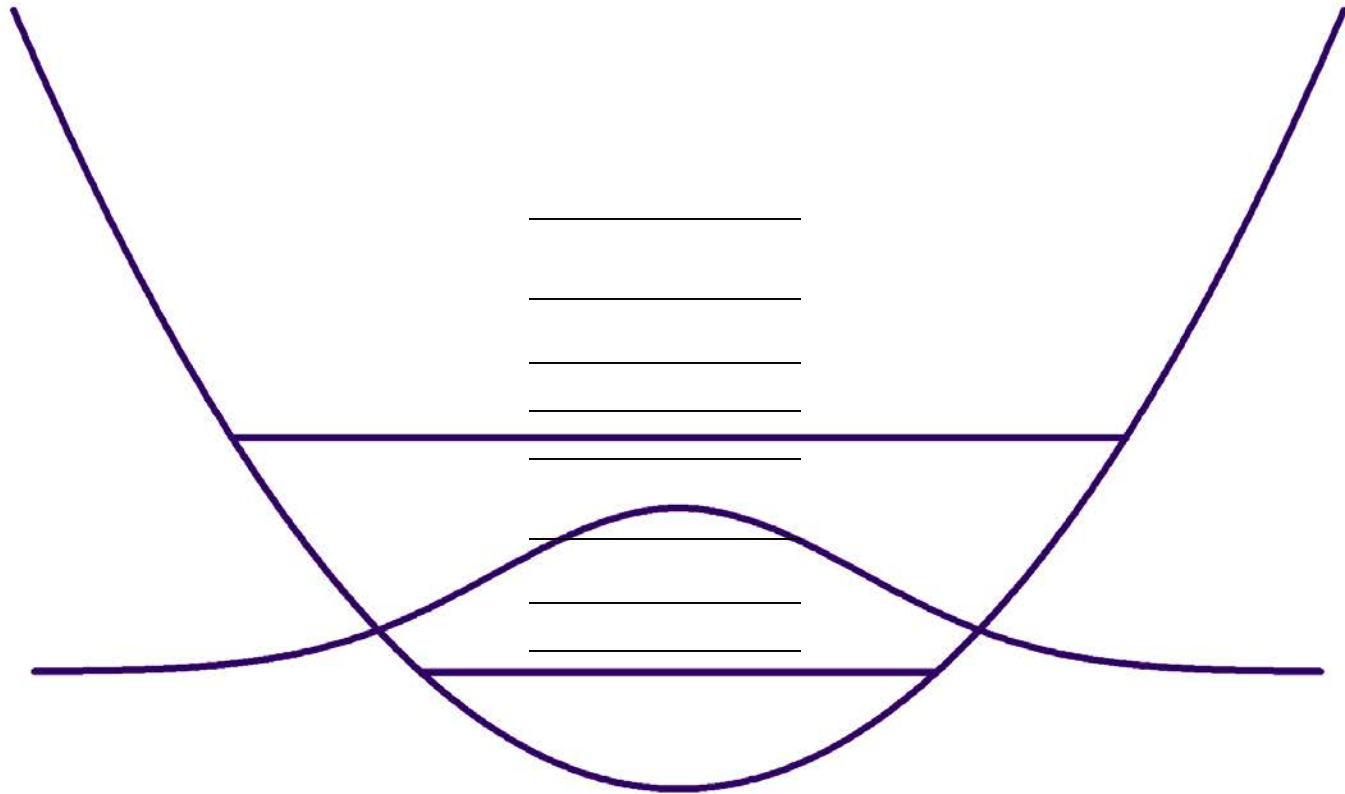
$$\Delta J = -1$$

$$\Delta J = 0$$

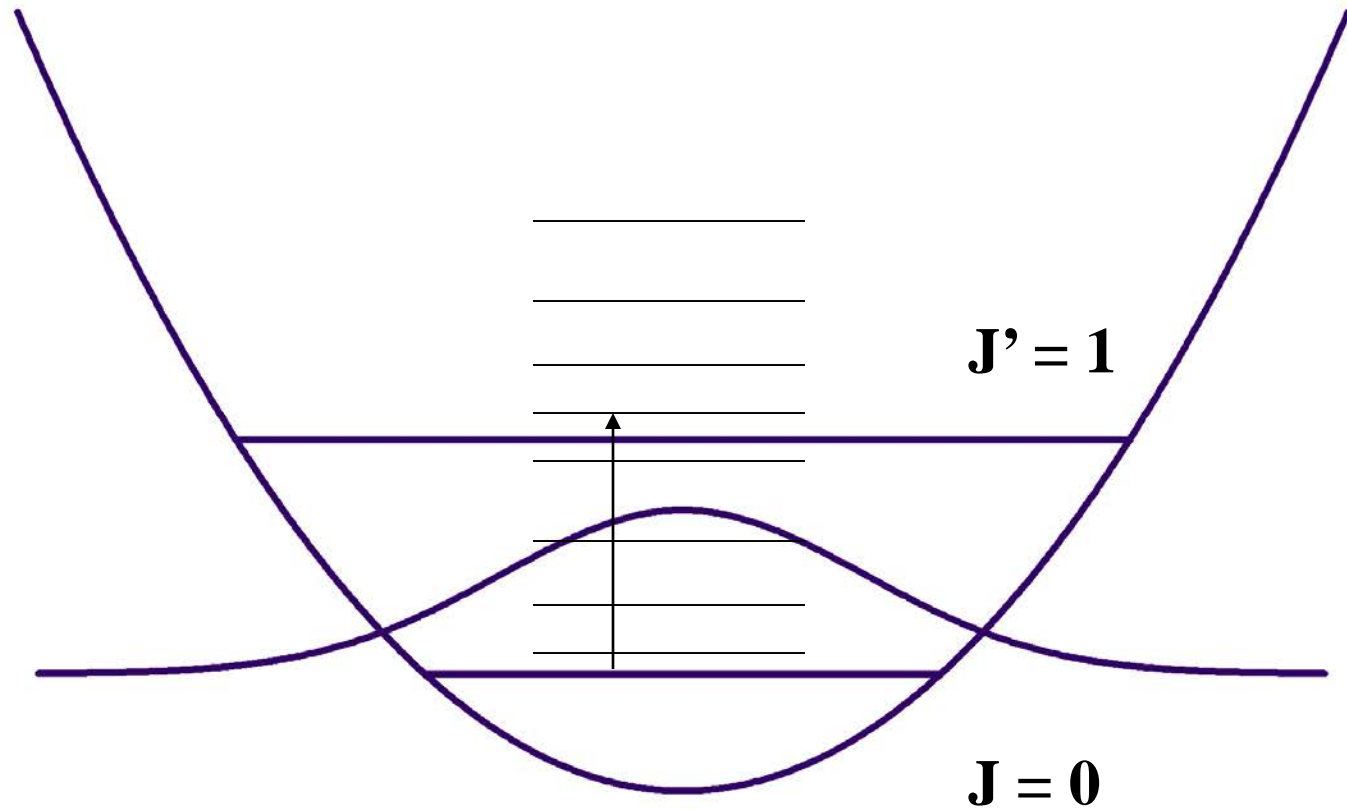
$$\Delta J = +1$$

Note that the rotational spectrum is centered a vibrational frequency

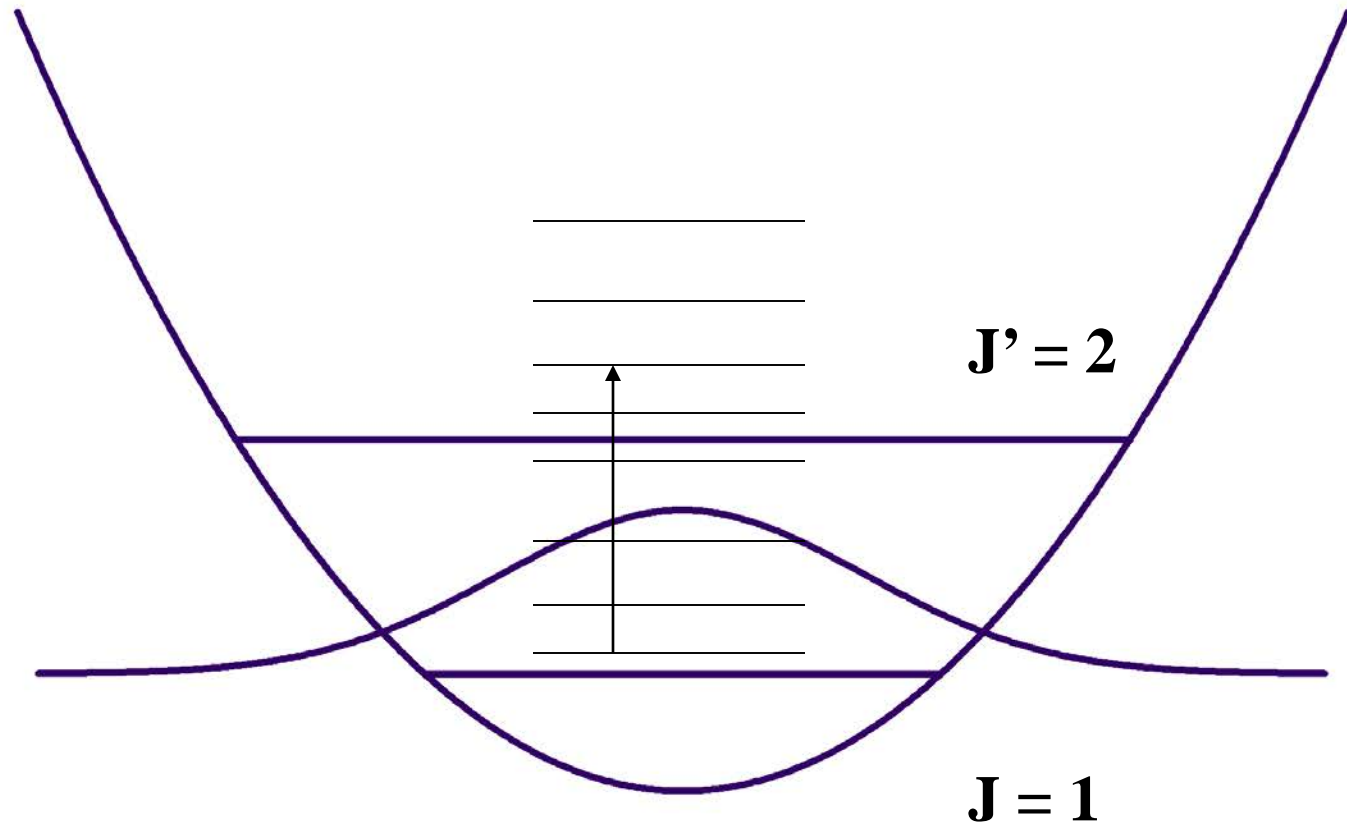
Rovibrational Transition



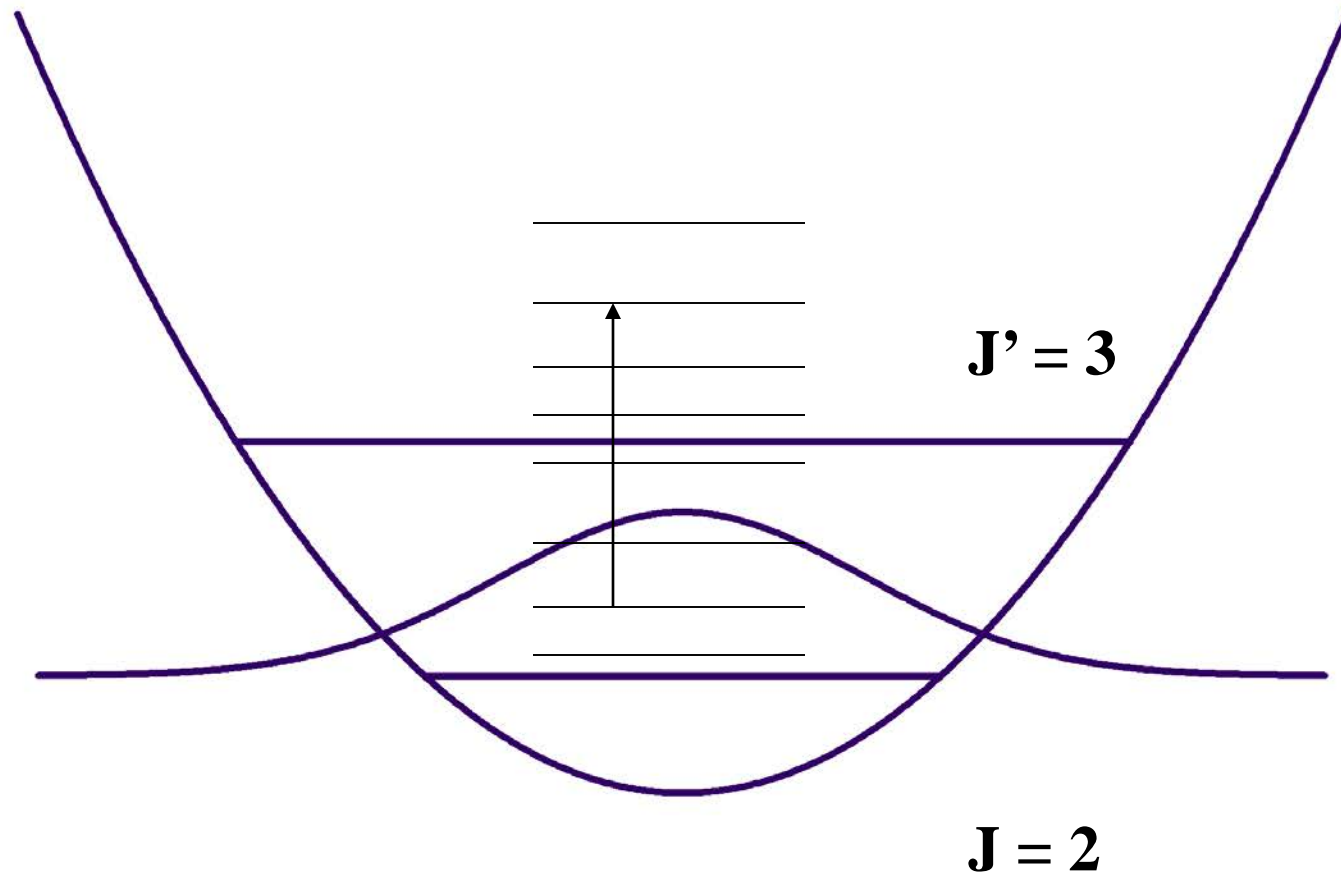
Rovibrational Transition



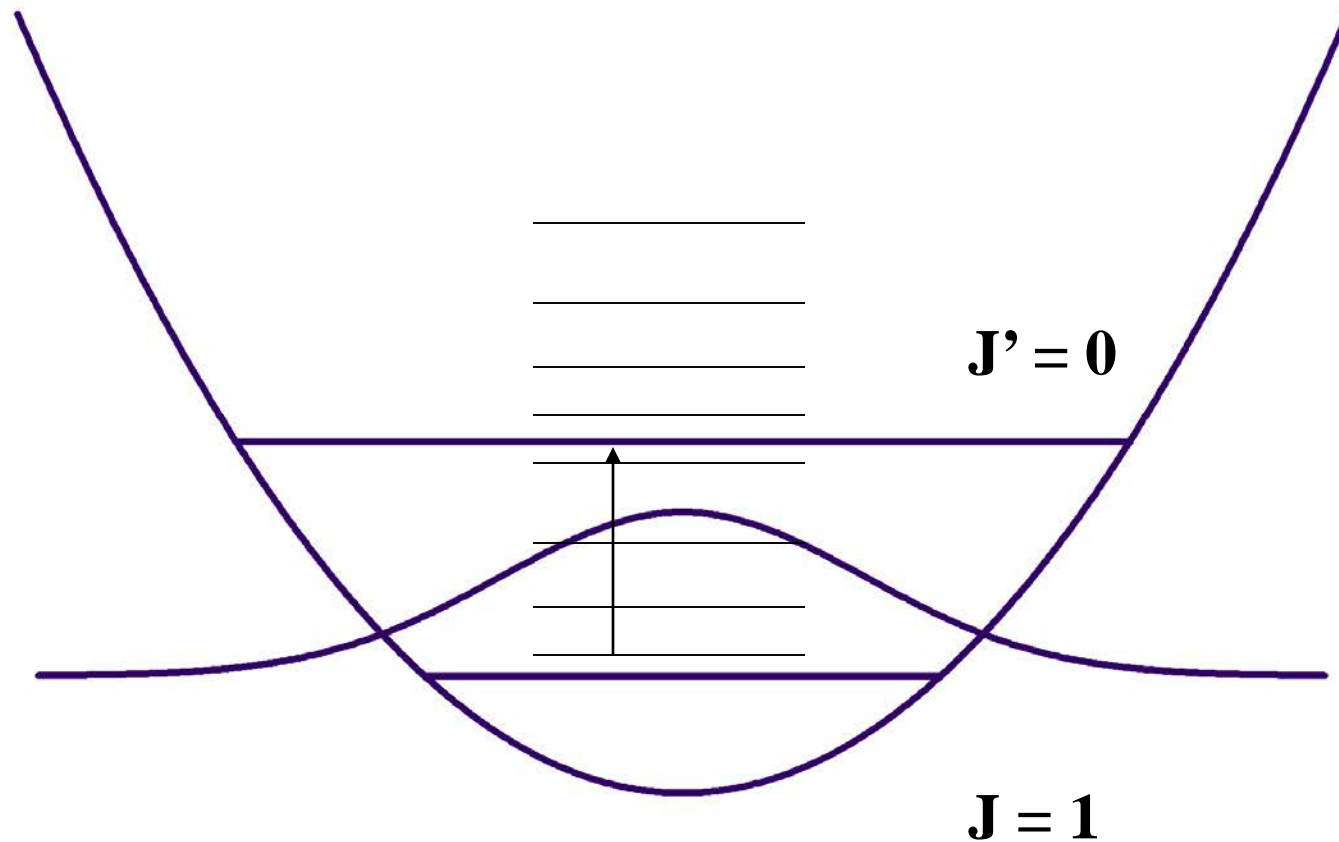
Rovibrational Transition



Rovibrational Transition



Rovibrational Transition



Rovibrational Transition

