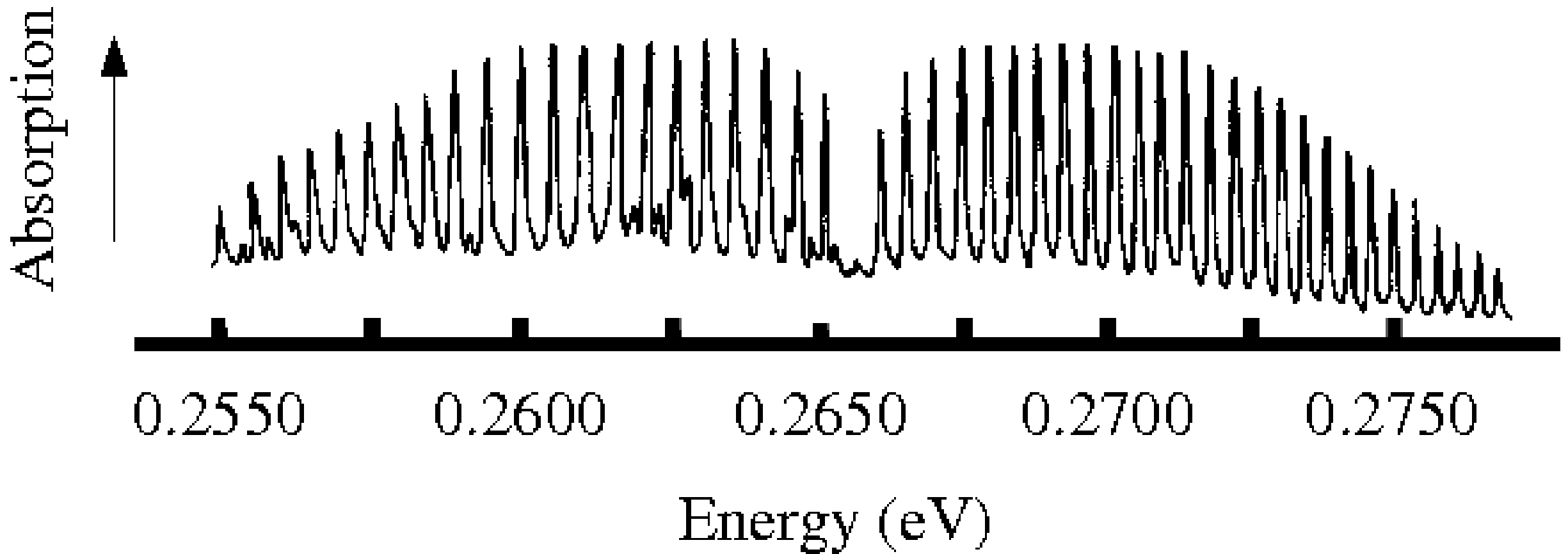


# Rovibrational Problem

## Carbon–Monoxide Spectrum



# Rovibrational Problem

Label the three regions of the rovibrational spectrum of CO. Given the fact that the two bands  $\Delta J = -1$  and  $\Delta J = +1$  are observed at 0.26445 and 0.26545 eV, respectively, calculate the force constant and bond length of CO.

## Carbon–Monoxide Spectrum

