Figure 1. Production of ions in excited vibrational levels causing the presence of fine structure in PE spectral bands.

\[ I \varepsilon_{v'} = E(AB^+) - E(AB) = \Delta E_{\text{elect}} + \hbar c (v' + \frac{1}{2}) \overline{v}' - \frac{1}{2} \hbar c \overline{v} \]

Different peaks ⇔ excitation to different \( v' \) states of \( AB^+ \)