

$$E_{\{0\} \rightarrow \{1\}} \left[0, 0, -x_1 + \left(\frac{\hbar^2 x_1}{2} - \hbar^2 a_1 x_1 + \frac{1}{2} \hbar^2 a_1^2 x_1 \right) \epsilon^2 + O[\epsilon]^3 \right]$$