

CHAPTER OVERVIEW

15: Spectroscopy

The tools of time-dependent perturbation theory can be applied to transitions among electronic, vibrational, and rotational states of molecules.

[15.1: Rotational Transitions](#)

[15.2: Vibration-Rotation Transitions](#)

[15.3: Electronic-Vibration-Rotation Transitions](#)

[15.4: Time Correlation Function Expressions for Transition Rates](#)

This page titled [15: Spectroscopy](#) is shared under a [CC BY-NC-SA 4.0](#) license and was authored, remixed, and/or curated by [Jack Simons](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.