

SEP SPECTRA OF SCCl_2

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Stimulated emission pumping spectra with 0.3 cm^{-1} resolution provide a means of studying intramolecular vibrational energy redistribution (IVR). The $\tilde{\text{A}}({}^1\text{A}_2) \rightarrow \tilde{\text{X}}({}^1\text{A}_1)$ transition of SCCl_2 from several different origins maps out the $7000\text{-}8000 \text{ cm}^{-1}$ region in the ground state. An analysis of approximately 200 features in this region exhibits clumping of spectral features which can provide information about the fine structure of IVR.