

*Efficient collisional energy transfer in electronic spectra  
of small polar molecules*

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The talk will present some examples of particularly rich redistribution of energy through collisions in laser-induced fluorescence spectra of NiH, and of alkali dimers. Collisional energy transfer takes molecules to states inaccessible by optical pathways. Fourier transform spectra and double resonance experiments allow us to investigate propensities for changes in vibration, rotation and sometimes MJ alignment.