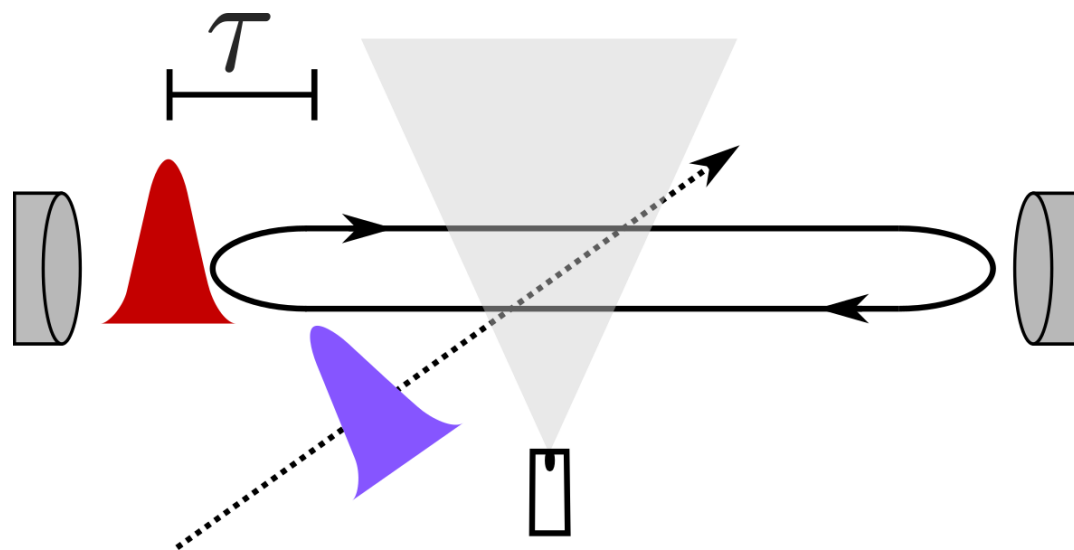


P5571: HIGH SENSITIVITY BROADBAND TRANSIENT ABSORPTION SPECTROSCOPY OF MOLECULAR BEAMS

Myles C. Silfies, Grzegorz Kowzan, Neomi Lewis, Thomas K. Allison. Stony Brook University.

Using tunable frequency combs and enhancement cavities, we present a method for transient absorption spectroscopy in molecular beams in the UV/vis spectral region.



	Solution Expt. $nl > 10^{15} \text{ cm}^{-2}$	Molecular beam expt. $nl < 10^{13} \text{ cm}^{-2}$
Optical probes $ \Psi_f\rangle = \text{neutral}$	Well-established methods	This Work
Photoionization probes $ \Psi_f\rangle = \text{ion} + e^-$	Liquid microjet TRPES	Well-established methods

