

HIGH RESOLUTION 2D INFRARED SPECTROSCOPY OF CHLOROMETHANE

PETER CHEN, *Department of Chemistry, Spelman College, Atlanta, GA, USA*; DeAUNNA A DANIELS, *Chemistry, Spelman College, Atlanta, GA, USA*; THRESA WELLS, *Department of Chemistry, Spelman College, Atlanta, GA, USA*.

HR-2DIR spectroscopy is a new technique that can be used to resolve congested spectra, create 2D patterns, and assign rovibrational peaks in the near infrared region of the spectrum. This talk describes the use HR-2DIR to assign peaks in the CH overtone region of chloromethane.