

HIGH RESOLUTION 2D INFRARED SPECTROSCOPY: A NEW WAY TO ASSIGN NEAR INFRARED PEAKS

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The near infrared region of the spectrum is useful for applications such as the JWST Near Infrared Spectrograph, but assigning peaks in that region can be challenging and could benefit from additional experimental validation. HD-2DIR is a new technique that is being developed to decongest rovibrational spectra and to experimentally assign peaks in the near infrared region using previously assigned peaks in the mid-infrared region.