



# Probing the heights and depths of ultra-cool objects: Atmospheric retrievals in the era of JWST



SCAN ME

Harshil Kothari, Michael C. Cushing, Ben Burningham, Samuel A. Beiler, J. Davy Kirkpatrick, Adam C. Schneider, Saqnick Mukherjee, and Mark S. Marley  
Email: [harshil.kothari@rockets.utoledo.edu](mailto:harshil.kothari@rockets.utoledo.edu)

- JWST's broad-wavelength coverage probes more layers of the atmosphere compared to the HST.

- JWST yields more precise constrains for retrieved volume mixing ratios than HST, especially for CO & CO<sub>2</sub>.

