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Rising 3rd year graduate student at Caltech working with Prof. Shri Kulkarni (and others)

Galactic Warm Ionized Medium

- Using JWST MRS to detect fine structure lines from elements like Neon
- What do they tell us? Elemental abundances?
 New WIM diagnostics?
- How do the compare with CLOUDY models?

Dust, Debris and Gas Disks around White Dwarfs

- Find debris transits from photometric surveys
- Modeling observables (use CLOUDY?)

Photometrically Variable Planetary Nebulae

- ZTF finds many variable PN central stars
- Model the PN emissions with CLOUDY?





