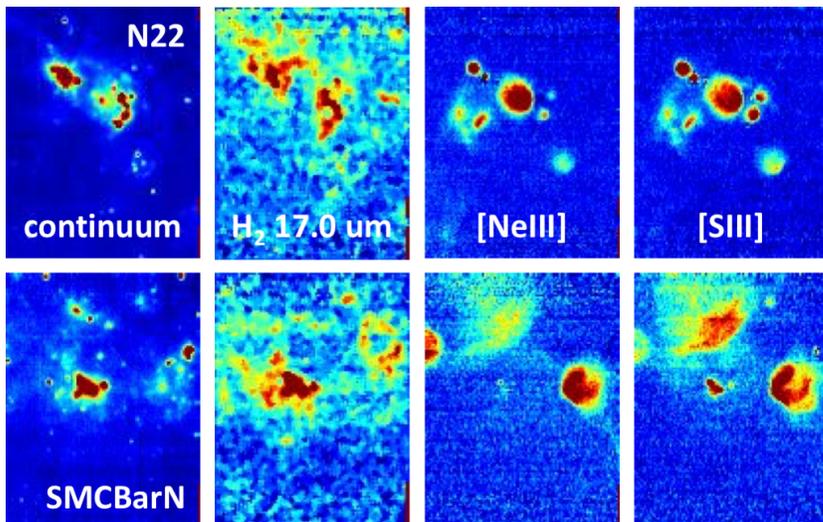
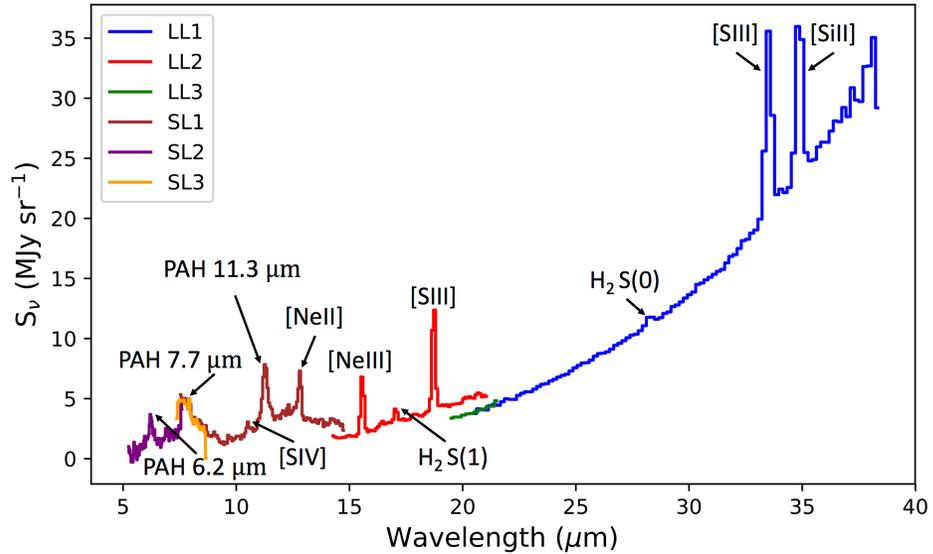


The Physical Conditions in the Star-Forming Low Metallicity Interstellar Medium

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SMC N22 Spectra



- What are the conditions of the HII regions in the SMC?
- What is the interplay between the interstellar radiation field and the cooling in the atomic and molecular media at low metallicities? ($Z_{\text{SMC}} \sim Z_{\odot}/5$)
- What are the characteristics of the interface between the HII region and the molecular reservoir in metal-poor star forming systems?

We hope to use Cloudy to:

- Model the near and far infrared ionized lines
- Find the ionizing radiation field strength and hardness, ionization parameter, density of ionized gas, temperature, incident radiation field, and cooling efficiency in PDRs/neutral gas

