

Poster: Mid-IR star formation studies with JWST: Capabilities of MIRI

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The James Webb Space Telescope, set for launch in 2019, will open a new window on the IR Universe. The capabilities of MIRI, the only mid-IR instrument on board JWST, are particularly unique given the limited accessibility of this wavelength range from the ground and the huge gain in spatial resolution and sensitivity compared with the Spitzer Space Telescope. MIRI will allow us to study the physical processes of star formation in other galaxies at Milky Way-like spatial resolution. Integral field spectroscopy from 5 to 28 micron will provide insight into the chemistry as well as dynamics of star formation, outflows and feedback. I will give an overview of MIRI's modes and capabilities, and highlight some of the proposed early science with JWST in this area.

Upcoming Facilities and Future Surveys