

FAR – RUNE FOLLOW-UP TO MEASURE GAS AND DUST CONDITIONS IN DISTANT GALAXIES

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"Star-formation Efficiency"

Formation rate of stars Gas available to form stars







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Mergers

"Star-formation Efficiency"

Formation rate of stars Gas available to form stars





DIAGNOSING THE ISM WITH LINES IN THE MID- AND FAR-IR



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FAR-IR LINE FOLLOW-UP TO MEASURE GAS AND DUST CONDITIONS IN DISTANT GALAXIES

35%

5%

REDSHIFT DEMOGRAPHY FOR ALL [C II]* DETECTIONS**

Herschel, SOFIA

60%

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ALMA, Herschel, APEX, SMA, CARMA

7~1-2 ALMA Band 9 and 10 - fairly time expensive



FAR-IR LINE FOLLOW-UP TO MEASURE GAS AND DUST CONDITIONS IN DISTANT GALAXIES



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Jed McKinney Postdoc fellow, UT Austin jed.mckinney@austin.utexas.edu

Always happy to talk (science, or other) so please reach out!

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Graphics compiled from:

Great Observatories: The Past and Future of Panchromatic Astrophysics, Armus, L; Megeath, T; G. Tremblay* and SAG-10, 2022

Origins Space telescope Mission Concept Study Report, Meixner, M and the OSTST., 2019

