

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Galactic
 Total Time Requested: 50 Hours
 Minimum Useful Time: 1h

Proposal Title: Spectral line searches at $\lambda=40\text{cm}$ towards galactic sources

ABSTRACT:

We propose to perform deep searches for a few low-energy lines from molecules such as vinyl cyanide and 13-methanol towards multiple galactic molecular cloud types in the 700-800 MHz frequency range before the RFI environment deteriorates. The hope is to better understand line formation at low frequencies and to find scientific targets for future large instruments with much higher spatial resolution, such as the SKA.

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Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

Instrument Setup

705-825

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

