

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 60 Hours

Proposal Title: SUPER-LUMINOUS FIR GALAXIES AND OH MEGAMASERS

ABSTRACT:

OH megamasers are a productive area of research that was started at Arecibo. We propose three areas of works on OH sources: 1) confirmation of tentative OH detections from before the Upgrade in the 18 cm window, 2) search for new sources in "quick mode" in the 21 cm window with low redshift of about 0.2, and 3) search for high redshift sources in HI and OH with $z = 2.2 - 2.7$ in the 430 MHz window.

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Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

430 MHz Gregorian L-band

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal