

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 50 Hours

Proposal Title: Search for Extended HI Emission in Low Surface Brightness Galaxies in the Nearby Universe

ABSTRACT:

Previous 21-cm research into LSB galaxies with the Arecibo 305m telescope have shown them to be studies in contradiction – high M_{HI}/L_B yet red colors and star formation in regions below the Kennicutt star formation threshold. To eliminate some of these apparent contradictions, we propose to use Arecibo to determine the amount of extended HI emission in nearby LSB galaxies. The project will require a total of 50 hours on the Gregorian system with the L-band receivers.

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Service Observing Request

Remote Observing Request

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

- No
- Maybe
- Yes

Instrument Setup

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