

### Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Extragalactic  
 Total Time Requested: 64 Hours

**Proposal Title:** The Faint End of the HI Luminosity Function

**ABSTRACT:**

The main objective of these observations is the reobservation of sources detected in the Arecibo Dual-Beam Survey in order to confirm detections, improve positions and determine accurate fluxes. These quantities will allow a more accurate determination of the HI mass function than what has been possible before. Additionally, better positions will allow us to determine whether optical counterparts are present for all of our sources.

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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**

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