

Technical Page

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

Proposal Title: EXTENDED NEUTRAL HYDROGEN IN GALAXIES

ABSTRACT:

We intend to investigate the HI extensions present in some galaxies in order to understand the mechanisms that could produce them. We will test and improve a method to estimate which galaxies might have extensions, from the integrated HI profiles. We propose then to start observing the 21 cm line in the outer regions of a sample of 12 galaxies selected with this method. The beam size and sensitivity of the upgraded Arecibo telescope are obviously ideal for this research.

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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