

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category:
 Total Time Requested: 100.5 Hours

Proposal Title: CALIBRATING AND MEASURING POLARIZATION AT ARECIBO
ABSTRACT:

Our goal is to investigate and understand the calibration and use of the L-band system for spectral polarization measurements at 1420.4 MHz. We will observe well-known calibrators, establish a new list of secondary calibrators, determine the telescope/receiver polarization properties, az/el dependence, and time stability, instrumental polarization, and cross-polarization off beam center.

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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: INTERIM CORRELATOR Software needs: IDL IS REQUIRED FOR DATA REDUCTION Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal