

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 18 Hours

Proposal Title: The Global HI Properties of Low-Redshift Quasar Host Galaxies

ABSTRACT:

We propose to measure the HI mass towards 11 quasars in the redshift range 0.07-0.14 with a 5-sigma detection threshold five times better than that required to detect our Galaxy in HI. This pilot program will prove the feasibility of measuring HI in a larger optically unbiased sample of quasar host galaxies out to a redshift of 0.24. Our scientific objectives are to study the dependence of HI mass on quasar host galaxy type, luminosity, and redshift.

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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