

## Technical Page

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

**Proposal Title:** A HI search for the Host Galaxies of 18 Quasars

**ABSTRACT:**

We wish to search for HI absorption against 18 quasars whose redshifts bring host-galaxy absorption into the 430-MHz band. The aim is to determine column densities in either the host, or disk galaxies within an associated cluster, helping to determine the nature of quasar hosts, provide constraints for unification schemes for quasars and radio galaxies, and decide between evolutionary scenarios.

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**Service Observing Request**

**Remote Observing Request**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> None<br><input type="checkbox"/> All of the observing run.<br><input type="checkbox"/> Part of the observing run.<br><input type="checkbox"/> Queue Observing | <input checked="" type="checkbox"/> No<br><input type="checkbox"/> Maybe<br><input type="checkbox"/> Yes |
|---|--|

**Instrument Setup**

430 MHz CH receiver

**Atmospheric Observation Instruments:**

**Description of Observer Equipment:**

**Special Equipment or setup:** Special setup: Software needs: Media needs:

**RFI Considerations**

**Frequency Ranges Planned**

see proposal