

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 36 Hours

Proposal Title: HI Evolution in Intermediate Redshift Galaxy Clusters

ABSTRACT:

We propose to use do test observations of the HI component of 26 intermediate redshift galaxy clusters. Our primary goal is to use a well-defined sample of clusters to probe the role of the HI reservoir in the recent evolution of cluster galaxies. These observations will be used in conjunction with existing optical and X-ray data to quantify correlations between cluster X-ray luminosity, recent star formation, and HI mass.

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Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remot e Observing Request

- No
- Maybe
- Yes

Instrument Setup

L-band

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: Category B 120-1265 MHz filter, or BPF2 if not available
Software needs: Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal