Proposal Identification No.: A1218
Date Received: 1998-Nov-1 23:05:09

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 data 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.

<table>
<thead>
<tr>
<th>Name</th>
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<th>Student</th>
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<tbody>
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Service Observing Request

- X None
- Yes

Remote Observing Request

- X No
- 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