Technical Page

Proposal Identification No.: ExtragalacticA1327

Date Received: 2000-09-Jun-01_14:31:30

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Extragalactic
Sub-Category: Extragalactic
Observation Category: 
Total Time Requested: 15 Hours

Proposal Title: High Velocity Gas in M61: A Tidal Tail?

ABSTRACT:
Recent HST observations detected a MgII doublet in absorption along a sightline through the outskirts of M61 towards a radio quiet QSO. The MgII lines show surprising blueshifted wings which cannot be explained as part of M61’s rotation. Follow-up VLA observations suggest this feature arises in a tidal tail. We propose sensitive HI emission measurements to detect the HI associated with the MgII absorption directly and to map the tidal feature.

<table>
<thead>
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<th>Name</th>
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I NA want to do remote observing.

Instrument Setup

L-narrow

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

not given