Technical Page

Proposal Identification No.: A2215
Date Received: 2006-Feb-01 15:35:18

Proposal Type: Regular
General Category: Astronomy
Sub-Category: Spectroscopy
Observation Category: Extragalactic
Total Time Requested: 20 Hours

Proposal Title: ALFALFA Follow-up: Enigmatic Virgo Clouds

ABSTRACT:
The ALFALFA survey has detected several HI cloud complexes without optical counterparts in the periphery of the Virgo cluster, near the outer boundary of the hot X-ray emitting gas. The extensive HI distribution, high Virgocentric velocity, and possible connection to nearby Virgo spirals suggests that these may be dramatic examples of galaxy harassment, possibly combined with ram pressure stripping. To complement the ALFALFA survey observations, we request here a small amount of telescope time with LBW designed to corroborate the ALFALFA findings.

Service Observing Request

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<tr>
<th></th>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>riccardo giovanelli</td>
<td>cornell university</td>
<td><a href="mailto:riccardo@astro.cornell.edu">riccardo@astro.cornell.edu</a></td>
<td>607-255-6505</td>
<td>no</td>
</tr>
</tbody>
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Instrument Setup

L-wide

Atmospheric Observation Instruments:

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<th>Special Equipment or setup:</th>
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RFI Considerations

Frequency Ranges Planned