

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Galactic
 Total Time Requested: 42.5 Hours

Proposal Title: Interfaces in the ISM: Mapping a Cold Cloud Boundary With GALFA

ABSTRACT:

Three years ago in the pre-ALFA era we mapped part of the coldest HI cloud known. There are two types of boundary of this sheetlike cloud. On the “bottom” the boundary is sharp with insignificant small-scale structure in the velocity. The “top” is completely different, because the boundary and the velocity structure are rough on many scales. We propose to use GALFA to map the entire cloud.

Name	Institution	E-mail	Phone	Student
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Service Observing Request

Remote Observing Request

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

Instrument Setup

ALFA

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1416.5 - 1423.5