

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Galactic
 Total Time Requested: 18 Hours

Proposal Title: Intermediate velocity interstellar gas towards the globular cluster M 15

ABSTRACT:

We have identified an intermediate velocity cloud (IVC) towards the nearby globular cluster M 15, hence providing an unique opportunity to probe the physical conditions within such gas on small spatial scales, using the globular cluster stars as background sources. We will use Arecibo to obtain high spatial and spectral resolution H I data for M 15, which combined with existing optical and UV spectroscopy, will provide information on the structure of the IVC.

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Service Observing Request

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

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

L-band

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup: Special setup: interim correlator Software needs: We would like to use Unipops for the data reduction. Media needs:

RFI Considerations

Frequency Ranges Planned

see proposal