

### Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category: Galactic  
 Total Time Requested: 7.5 Hours

**Proposal Title:** Searching for CH in IRC+10216

*ABSTRACT:*

We propose a search for the three 3.3 GHz hyperfine structure transitions of the CH molecule toward the extreme carbon star IRC+10216. If we detected these, our observations would yield important new information on the outer envelope chemistry of this well-studied object.

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**Service Observing Request**

**Remote Observing Request**

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

- No
- Maybe
- Yes

**Instrument Setup**

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**