

## Technical Page

Proposal Type: Short  
 General Category: Pulsars  
 Observation Category:  
 Total Time Requested: 100 Hours

**Proposal Title:** A dual-frequency search for pulsars in supernova remnants

**ABSTRACT:**

We propose to utilise the unique sensitivity of the Arecibo radio telescope at 430 and 1400 MHz for a sensitive search for pulsars associated with supernova remnants. Nearby remnants will be observed at 430 MHz, where deleterious effects of the ISM are not expected to be significant. More distant remnants will be observed at 1400 MHz. The system will be considerably more sensitive to young short-period pulsars with large space velocities than previous searches.

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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 430 MHz CH receiver

**Atmospheric Observation Instruments:**

**Description of Observer Equipment:**

**Special Equipment or setup:** Special setup: Software needs: Media needs:

**RFI Considerations**

**Frequency Ranges Planned**

see proposal