

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 10 Hours

Proposal Title: A deep search for radio pulsars in two supernova remnants

ABSTRACT:

Motivated by recent discoveries of faint young pulsars in with supernova remnants, we request 10 hours of time to carry out the most sensitive radio pulsar searches yet undertaken towards two compact, shell-type remnants. Both remnants will be observed for two complete transits at epochs separated by a few weeks to confirm any pulsar candidates found and, if a pulsar is detected, measure a period derivative. Finding pulsars in these remnants would further our knowledge of the properties of pulsar/supernova remnant associations.

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

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1100-1600

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.