

### Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category: Galactic  
 Total Time Requested: 11 Hours

**Proposal Title:** A search for pulsations from isolated neutron star candidates

**ABSTRACT:**

Motivated by a recent statistical study of the ROSAT bright source catalogue, we wish to carry out deep searches for pulsations from 27 isolated neutron star candidates using Arecibo and the GBT. The searches will be optimized for the detection of nearby radio pulsars and we aim to reach an equivalent 430-MHz luminosity limit of 0.1 mJy kpc<sup>2</sup>, well below the faintest radio pulsars currently known.

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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**

430 G 327

**Atmospheric Observation Instruments:**

**Special Equipment or setup:** none

**RFI Considerations**

**Frequency Ranges Planned**

This proposal requires coordination with AFTWF within the band 425-435 MHz.