

**Technical Page**

Proposal Type: Regular  
 General Category: Pulsars  
 Sub-Category: Spectroscopy  
 Observation Category: Galactic  
 Total Time Requested: 42 Hours

**Proposal Title:** Scintillation Study of Emission Regions of Pulsars

**ABSTRACT:**

We seek to measure, or set observational limits on, the sizes of emission regions of pulsars by measuring the distribution of intensity in strong scintillation. We expect to obtain sizes, or limits, of about 1000 km, comparable to those reported in measurements with other techniques. These will help to determine the location and geometry of the pulsar's radio emission region, and so help to understand the physical processes that lead to that emission.

Name	Institution	E-mail	Phone	Student
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I NA want to do remote observing.

**Instrument Setup**

430 CH receiver

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** We plan to use the AOFTM and CBR.

**RFI Considerations****Frequency Ranges Planned**

425 - 435