

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Pulsars
 Sub-Category: Pulsars
 Observation Category:
 Total Time Requested: 72 Hours

Proposal Title: Searching for pulsars in the Sagittarius spiral arm

ABSTRACT:

We propose an L-band survey for short-period pulsars along a line of sight tangent to the Sagittarius spiral arm. This search should yield a significant crop of young and millisecond pulsars that have been missed by previous surveys as a result of interstellar dispersion and scattering. The number and variety of pulsar systems in the spiral arms should be quite large, and the probability of finding exotic systems is high.

Name	Institution	E-mail	Phone	Student
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I do not want to do remote observing.

Instrument Setup

Atmospheric Optical Instruments:

Special Equipment or setup: AOFTM and BACSPIN
 Exabyte "Mammoth" tapes

RFI Considerations

Frequency Ranges Planned

not given