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.

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<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
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<tbody>
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I do not want to do remote observing.

Instrument Setup

Atmospheric Optical Instruments:

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

RFI Considerations

Frequency Ranges Planned
not given