Technical Page

Proposal Identification No.: ___P1278___  Date Received: 1999-Feb-17 05:43

Proposal Type:  Regular
General Category:  Pulsars
Observation Category:  None
Total Time Requested:  240 Hours

Proposal Title:  A Deep Search for Millisecond Pulsars

ABSTRACT:

We propose a survey for MSPs along lines of sight that will probe high column-densities of detectable pulsars, namely intermediate Galactic latitudes above the molecular ring. The high frequency and time resolution of the AOKTM will allow us to detect pulsars at unprecedented distances, with small spin periods, and in exotic binary systems. We expect the proposed search to yield \( \approx 20 \) new millisecond pulsars and as many as 50 new young pulsars.

<table>
<thead>
<tr>
<th>Name</th>
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Service Observing Request  
X None

Remot e Observing Request

\[ \square \] No

\[ \square \] Maybe

\[ \square X \] Yes

Queue Observing

Instrument Setup

430 MHz CH receiver

Atmospheric Observation Instruments:

Description of Observer Equipment:

Special Equipment or setup:  Special setup:  Software needs:  Media needs:

RFI Considerations

Frequency Ranges Planned
see proposal