Proposal Identification No.: P2554
Date Received: 2010-Feb-11 16:36:41

Technical Page

Proposal Type: Regular
General Category: Pulsars
Observation Category: Galactic
Total Time Requested: 40 Hours
Minimum Useful Time: 30 minutes

Proposal Title: Timing Three New gamma-ray Millisecond Pulsar candidates

ABSTRACT:
Timing 3 new millisecond pulsars found in previously unidentified Fermi sources. Apart from assisting with finding the timing solutions and detect the gamma-ray pulsations, we want to check the timing precision of these pulsars with Arecibo. Preliminary indications are that at least two of these pulsars might be suitable for inclusion in the pulsar timing array now being used to attempt to detect very low-frequency gravitational waves.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
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<td>no</td>
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</tbody>
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Remote Observing Request

- Observer will travel to AO
- X Remote Observing
- In Absentia (instructions to operator)

Instrument Setup

L-wide 327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

302-352
1120-1660
This proposal requires Iridium RFI protection at 1612 MHz between 10pm and 6am EST.

This proposal requires coordination with GPS L3 at 1381 MHz.