

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 144 Hours

Proposal Title: Precision Millisecond Pulsar Timing

ABSTRACT:

We will extend our high precision millisecond pulsar timing program by observing nine millisecond pulsars at monthly intervals over the upcoming year. Dual-frequency observations will use the ASP and WAPP data acquisition systems, improving on the precision of previous pulsar timing work. Scientific payoffs will include improved neutron star mass measurements, more precise pulsar distance measurements, and more stringent limits on (or detections of) the gravitational wave background.

Name	Institution	E-mail	Phone	Student
David J Nice	Bryn Mawr College	dnice@brynmawr.edu	610-526-5361	no

Service Observing Request

Remote Observing Request

- | | |
|---|--|
| <input checked="" type="checkbox"/> None
<input type="checkbox"/> All of the observing run.
<input type="checkbox"/> Part of the observing run.
<input type="checkbox"/> Queue Observing | <input type="checkbox"/> No
<input type="checkbox"/> Maybe
<input checked="" type="checkbox"/> Yes |
|---|--|

Instrument Setup

430 G L-wide S-low 327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

This proposal requires coordination with GPS L3 at 1381 MHz.