

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 15 Hours

Proposal Title: Long-term Timing of PSR B1534+12

ABSTRACT:

We request 10 90-minute observing sessions over the course of the next year for continued monitoring of the relativistic double-neutron-star system PSR B1534+12. Observations will be carried out with the ASP and WAPP systems at 1400 and 430 MHz. These data will allow us to maintain a coherent picture of the dispersion measure changes and period derivatives in our ongoing quest to refine the relativistic timing parameters for this source. They will also contribute to the improvement of our quantitative study of the profile evolution due to geodetic precession.

Name	Institution	E-mail	Phone	Student
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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

Atmospheric Observation Instruments:

Special Equipment or setup: We will use the WAPPs, ASP and Mark IV.

RFI Considerations

Frequency Ranges Planned

420 - 440
1350 - 1450

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.