

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Sub-Category: Continuum
 Observation Category: Galactic
 Total Time Requested: 39 Hours

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

ABSTRACT:

We request a series of 90-minute observing runs, between 1430 and 1600 LST, once every two weeks for one year, to continue our long-term timing observations of the relativistic double-neutron-star binary PSR B1534+12. Observations will be carried out with the 430 MHz line feed and the L-narrow Gregorian receiver, using the Princeton Mark IV system and the WAPP, and will include continuum-source calibrations at the start of each session. We plan to observe in parallel with the Penn State group, as we have done in the past.

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I want to do remote observing.

Instrument Setup

430 CH receiver L-narrow

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

425-435
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.

This proposal requires coordination with AFTWF within the band 425-435 MHz.