

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category:
 Total Time Requested: 12-15 Hours

Proposal Title: Profile Shape Changes in PSR B1534+12

ABSTRACT:

We request a session of 4-5 observing days, from 1400 to 1700 LST, for observations of the binary pulsar B1534+12, primarily at 1.4 GHz. Our principal scientific goal is to understand an apparent difference in the long-term evolution of the pulse shape at 1.4 GHz and 430 MHz. Resolving this dilemma is a crucial step in testing the general-relativistic prediction of geodetic precession.

Name	Institution	E-mail	Phone	Student
Ingrid H. Stairs	University of Manchester	is@jb.man.ac.uk	+44-1477-571-321 (ext. 305)	N

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 checked="" type="checkbox"/> No
<input type="checkbox"/> Maybe
<input type="checkbox"/> Yes |
|---|--|

Instrument Setup

430 MHz Gregorian L-band 430 MHz CH receiver

Atmospheric Observation Instruments:

Description of Observer Equipment: Princeton Mark IV and Mark III Pulsar Timing Systems

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

RFI Considerations

Frequency Ranges Planned

see proposal