

## Technical Page

Proposal Type: Regular  
 General Category: Astronomy  
 Sub-Category: Pulsars  
 Sub-Category: Pulsars  
 Observation Category:  
 Total Time Requested: 28 Hours

**Proposal Title:** A search for pulsations from the neutron star companions of PSRs B1534+12 and B1913+16

*ABSTRACT:*

We propose to search for radio pulsations from the neutron star companions of the relativistic binary pulsars B1534+12 and B1913+16—a search is warranted as the companions’ emission beams may have precessed into view since these pulsars were discovered, and the system ages imply that the companions are middle-aged. We will also simultaneously make polarization measurements of the known pulsars to extend our pre-upgrade baselines for new sensitivity to long-term changes.

Name	Institution	E-mail	Phone	Student
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I do not want to do remote observing.

**Instrument Setup**

430 G                      430 CH receiver

**Atmospheric Optical Instruments:**

**Special Equipment or setup:** AOFTM, Caltech Baseband Recording system

**RFI Considerations**

**Frequency Ranges Planned**

not given