

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Sub-Category: Continuum  
 Observation Category:  
 Total Time Requested: 25 Hours

**Proposal Title:** A DEEP SEARCH FOR RADIO EMISSION FROM GEMINGA

*ABSTRACT:*

We propose to search for pulsed radio-emission from the Geminga gamma-ray pulsar. Claims of a radio detection with the Pushchino radiotelescope are inconsistent with recent Arecibo upper limits. Therefore, we propose a very deep 430 MHz observation of Geminga to search for emission at levels significantly below the current Arecibo upper limits. We will epoch fold the radio data over 5 days with our precise gamma-ray timing model. We expect that a radio detection would vastly improve our understanding of this enigmatic pulsar.

Name	Institution	E-mail	Phone	Student
John R Mattox	Boston University	Mattox@bu.edu	(617)353-5354	N

**Service Observing Request**

**Remote Observing Request**

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

**Instrument Setup**

430 MHz CH receiver

**Atmospheric Observation Instruments:**

**Description of Observer Equipment:**

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

**RFI Considerations**

**Frequency Ranges Planned**

see proposal