

Technical Page

Proposal Type: Regular
 General Category: Pulsars
 Observation Category: Galactic
 Total Time Requested: 21 Hours
 Minimum Useful Time: 45

Proposal Title: Arecibo Timing Observations of GLAST Gamma-Ray Pulsar Candidates

ABSTRACT:

We propose to time three energetic young pulsars, all of which are very likely to have gamma-ray emission detectable by the Large Area Telescope on board the GLAST satellite. The main goal is to maintain knowledge of the rotational phase of these pulsars to an accuracy approaching 1%, allowing accurate folding of their gamma-ray photons. We are also likely to detect several glitches, which will improve our knowledge of the rotational behavior of the pulsars being monitored.

Name	Institution	E-mail	Phone	Student
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Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

Instrument Setup

L-wide 327

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1120 - 1220
1360 - 1560

This proposal requires coordination with GPS L3 at 1381 MHz.