Proposal Title: Searching for the Radio Counterpart of a new Gamma-ray pulsar

ABSTRACT:
The launch of the Fermi Gamma-Ray Space Telescope (formerly GLAST) has opened a new avenue on the study of pulsars. Until now, the role of Arecibo has been to time precisely some young, energetic radio pulsars that were suspected of having gamma-ray pulsations (P2337, P2441). With this proposal, we are opening a new role for the Arecibo/Fermi symbiosis: to search deeply for radio counterparts of a new gamma-ray pulsar MGRO J1908+06. The expected scientific gains are discussed below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>E-mail</th>
<th>Phone</th>
<th>Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paulo C Freire</td>
<td>Arecibo Observatory</td>
<td><a href="mailto:pfreire@naic.edu">pfreire@naic.edu</a></td>
<td>1 787 528 8805</td>
<td>no</td>
</tr>
</tbody>
</table>

Remote Observing Request

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

Instrument Setup

L-wide

Atmospheric Observation Instruments:

- Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned
This proposal requires Iridium RFI protection at 1612 MHz between 10pm and 6am EST.
This proposal requires coordination with GPS L3 at 1381 MHz.