

## Technical Page

Proposal Type: Regular  
 General Category: Pulsars  
 Observation Category:  
 Total Time Requested: 70 Hours

**Proposal Title:** Timing Measurements of 20 Recently Discovered Pulsars

*ABSTRACT:*

We propose to measure the standard timing parameters of twenty pulsars discovered by our group during the Arecibo transit surveys just before and during the upgrade period. Out of the 20 slow pulsars detected, 11 have not been observed after their discovery, 7 have poorly established spindown rates and all 20 of them require a much better determination of dispersion measures. In addition, two pulsars have shown extensive nulling during the initial followup observations and require a closer scrutiny. We request 70 hrs of the telescope time at 430 MHz and 1130 MHz with the Penn State Pulsar Machine, to establish possibly accurate timing models for all these objects and to investigate their basic emission properties.

Name	Institution	E-mail	Phone	Student
Grazyna Feiler	Toruń Centre for Astronomy	greta@astro.uni.torun.pl	48-56-611-3001	G

### Instrument Setup

430 G L-wide

### Atmospheric Optical Instruments:

**Special Equipment or setup:** The Penn State Pulsar Machine (PSPM)

### RFI Considerations

### Frequency Ranges Planned

426-434  
1126-1134