

## Technical Page

Proposal Type: Short  
 General Category: Astronomy  
 Sub-Category: Spectroscopy  
 Observation Category:  
 Total Time Requested: 2 Hours  
 Minimum Useful Time: 1 hour

**Proposal Title:** Confirming detection of a newly discovered galaxy in the Zone of Avoidance  
**ABSTRACT:**

The undergraduate team from UW-Madison used Arecibo recently to observe several standard galaxies and two newly detected galaxies in the Zone of Avoidance (ZoA), project s2425. The ZoA galaxies were discovered in observations of the Galactic plane using the Spitzer Space Telescope. Besides infrared colors nothing else is known about these galaxies. We have a tentative detection of SPITZER192404+145632 and would like to request 2 hours of additional telescope time to properly measure the HI profile of this galaxy.

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 ALFA

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

### RFI Considerations

### Frequency Ranges Planned

1390 to 1410

This proposal requires coordination with GPS L3 at 1381 MHz.