Technical Page

Proposal Title:  A 21-cm Study of 127 Newly Discovered, Nearby LSB Galaxies

ABSTRACT:

We have discovered approximately 130 new low surface brightness galaxies believed to lie with in 3,000 - 8,000 km/s, including the first known contingent of very red LSB galaxies. To determine the redshift and gas content of these objects, we propose to attempt 21-cm detection of these galaxies. Based on previous use of Arecibo to detect LSB galaxies and the improved sensitivity of the telescope, we expect easy detection within 5 minutes for most galaxies.

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<tr>
<th>Name</th>
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<tbody>
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Service Observing Request

- [x] None
- [ ] All of the observing run.
- [ ] Part of the observing run.
- [ ] Queue Observing

Remote Observing Request

- [x] No
- [ ] Maybe
- [ ] Yes

Instrument Setup

47 MHz CH  L-band

Atmospheric Observation Instruments:

Description of Observer Equipment:

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

RFI Considerations

Frequency Ranges Planned
see proposal