

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 180 Hours

Proposal Title: Distances to Galaxies with $z \leq 0.03$

ABSTRACT:

We propose to obtain high quality HI line profiles for about 450 galaxies to be used in several studies of the structure and expansion rate of the local universe. The selection criteria for these galaxies are aimed at overcoming selection biases in the determination of the local Hubble Constant and distribution of dark matter. Our HI measurements will provide distances to the galaxies using the luminosity - HI line width correlation.

Name	Institution	E-mail	Phone	Student
J. Richard Fisher	NRAO	rfisher@nrao.edu	304 456 2161	N

Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

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