

Technical Page

This proposal has not been submitted before.

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 80 Hours
 Minimum Useful Time: 1 hour

Proposal Title: HI Mass distribution as a function of stellar mass

ABSTRACT:

To expand follow-up observations for NIBLES, seeking to characterize HI distribution as a function of stellar mass. We want to observe the NIBLES undetected galaxies using higher sensitivity to use as a prior for incorporating this sample into a bivariate HI mass - luminosity distribution. We used a small sample of 100 galaxies for use as an initial prior, and now we would like to expand this sample to reduce uncertainties and increase the sampling rate across the luminosity range of NIBLES.

Name	Institution	E-mail	Phone	Student
Zhon G Butcher	University of Massachusetts	zbutcher@astro.umass.edu	720-201-1486	G

Remote Observing Request

- Observer will travel to AO
- Remote Observing
- 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 coordination with GPS L3 at 1381 MHz.