

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 42 Hours

Proposal Title: An HI Study of Nearby Luminous Blue Compact Galaxies

ABSTRACT:

We wish to obtain HI 21-cm observations of a local ($z < 0.05$) sample of Luminous Blue Compact Galaxy (LBCG) candidates selected from the KPNO International Spectroscopic Survey (KISS). These enigmatic objects are known to exist in great number at intermediate and high redshifts, but are relatively rare in the local universe. Measurement of the HI gas content and dynamical masses for our local LBCG counterparts will help in assessing the nature of these objects and hopefully will provide clues to their evolutionary histories.

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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-narrow

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1350 - 1420

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.