

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Observation Category: Extragalactic
 Total Time Requested: 115 Hours

Proposal Title: The Kinematics of the Great Wall

ABSTRACT:

We propose to obtain HI linewidths for a large sample of edge-on spirals in the Great Wall. The linewidths will be combined with I-band photometry to obtain Tully-Fisher distance and peculiar velocity measurements. These velocities will allow us to measure for the first time the kinematical properties of a large scale coherent structure, on a scale large enough to constrain the cosmological parameters. The first part of the study was completed just before the upgrade. A second phase (september 1999) was greatly hampered by the daytime spectral line problems of the upgraded telescope. We are asking for spring (nighttime) time to finish the sample.

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Instrument Setup

L-wide L-narrow

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1364 - 1402

This proposal requires coordination with GPS L3 at 1381 MHz.