

Technical Page

Proposal Type: Short
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 2 Hours

Proposal Title: The Kinematics of the Great Wall

ABSTRACT:

We propose to measure the HI linewidth for the nearest spiral galaxy lens, Q2237+0305. This linewidth, combined with optical and IR photometry, will allow us to measure a Tully-Fisher distance to this galaxy. This would allow the first direct comparison between lensing measure for the Hubble constant and a measure derived from the local distance scale calibration.

Name	Institution	E-mail	Phone	Student
Ian P. Dell'Antonio	National Optical Astronomy Observatories, Kitt Peak	ian@noao.edu	(520)-318-8175	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