

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Spectroscopy
 Observation Category: Extragalactic
 Total Time Requested: 8 Hours

Proposal Title: OH absorption towards OI363: a possible candidate for Zeeman splitting at $z=0.2$
ABSTRACT:

We propose to look for the OH 1665/1667 MHz mainlines in two known high neutral column density absorption systems at low redshift along the line of sight towards the radio-loud quasar OI 363(B 0738+313). The higher redshift ($z=0.2212$) system has a velocity width of 8 km/s or less in 21cm absorption, and it may therefore be an interesting candidate for OH Zeeman splitting measurements.

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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-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