Technical Page

Proposal Identification No.: A1085
Date Received: 1997-Dec-15 16:43:00

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.

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
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Service Observing Request
- X None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remote Observing Request
- X 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