

Technical Page

Proposal Type: Regular
 General Category: Astronomy
 Sub-Category: Galactic
 Sub-Category: Galactic
 Observation Category:
 Total Time Requested: 15 Hours

Proposal Title: On Connections between AGB Stars and Planetary Nebulae

ABSTRACT:

After losing their envelope mass on the Asymptotic Giant Branch, stars pass through a brief phase in which they are enveloped by neutral circumstellar gas, while the central star contracts en route to becoming a white dwarf. This phase is then superseded by one in which the newly hot central star ionizes the surrounding remnants of its wind. We seek to trace the change in the expansion velocity and radio emission flux from the circumstellar envelope as stars make this transition.

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I NA want to do remote observing.

Instrument Setup

L-wide C

Atmospheric Optical Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

not given