Proposal Identification No.: P1560 Date Received: 2001-May-31_15:35:37

Technical Page

Proposal Type:	Regular
General Category:	Pulsars
Observation Category:	
Total Time Requested:	6 Hours

Proposal Title: Searching for the Radio Counterpart to the Young Neutron Star in IC443

ABSTRACT:

We request 6 hours of telescope time to search for the radio counterpart to the X-ray-bright neutron star CXOU J061705.3+222127 recently discovered with the Chandra observatory in the supernova remnant (SNR) IC443. This neutron star has all the halmarks of being a pulsar, but no pulsations have yet been detected from it. Our proposed search will reach a luminosity limit smaller than the luminosities of virtually all known radio pulsars.

Name	Institution	E-mail	Phone	Student
Fernando Camilo	Columbia University	fernando@astro.columbia.edu	(212) 854-2540	no

I do NOT want to do remote observing.

Instrument Setup

430 G L-wide 430 CH receiver

Atmospheric Optical Instruments:

Special Equipment or setup: WAPP, PSPM

RFI Considerations

Frequency Ranges Planned

1125-1225
426-434