

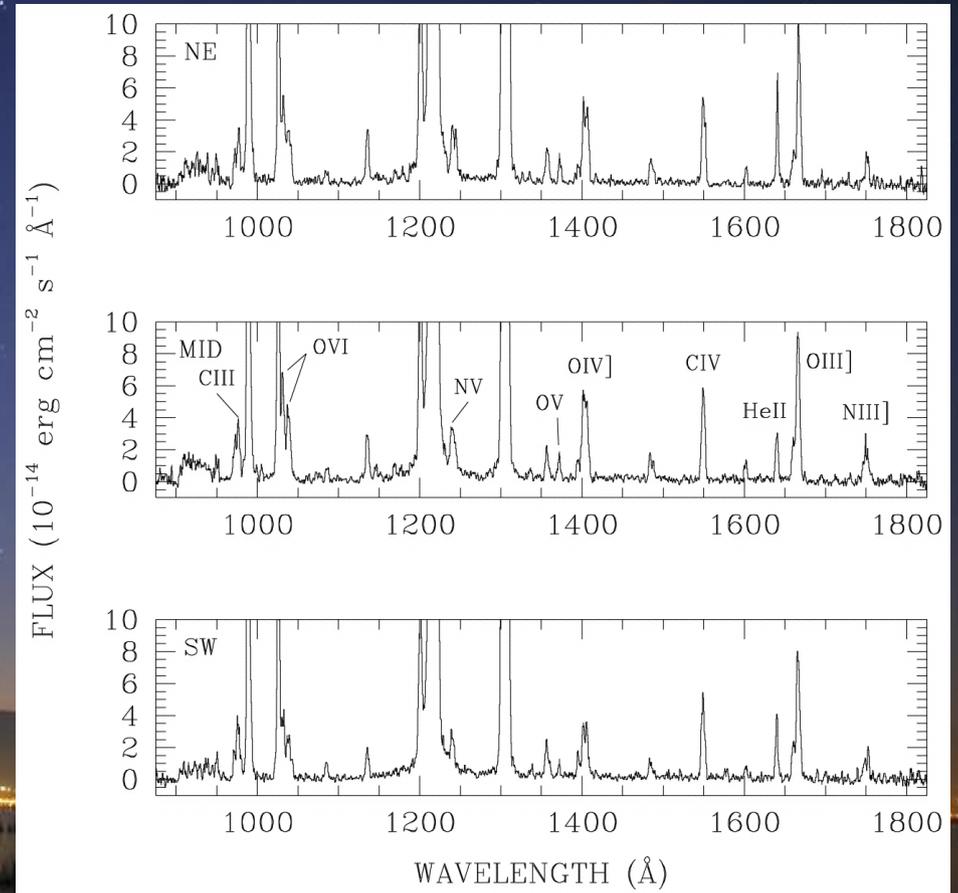
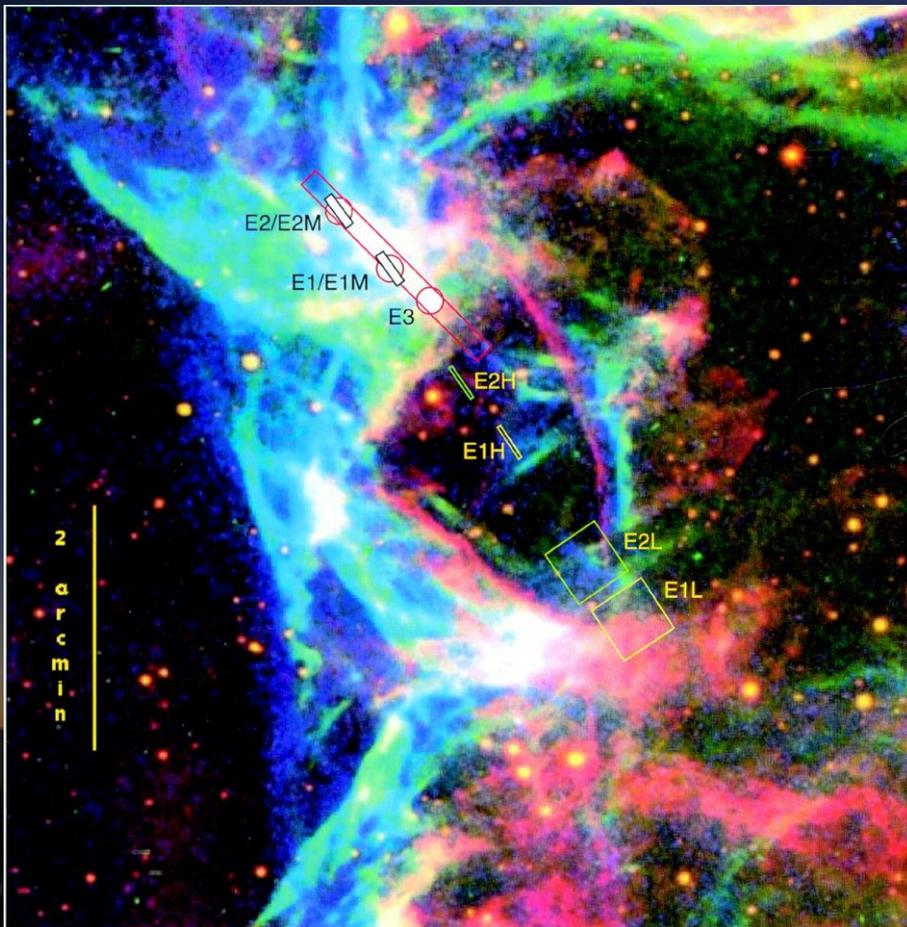
SING

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Introduction

- Our group builds small UV payloads.
 - Opportunity to propose for CMSS in May 2018.
 - Final acceptance June 2019.
- Spectroscopic Investigation of Nebular Gas (SING)
 - Ultraviolet spectrograph.
 - Pointed to the sky (anti-Earth).
 - Scientific objectives: Look for hot/cold gas.
 - Understand physical conditions in objects.

Supernova Remnants



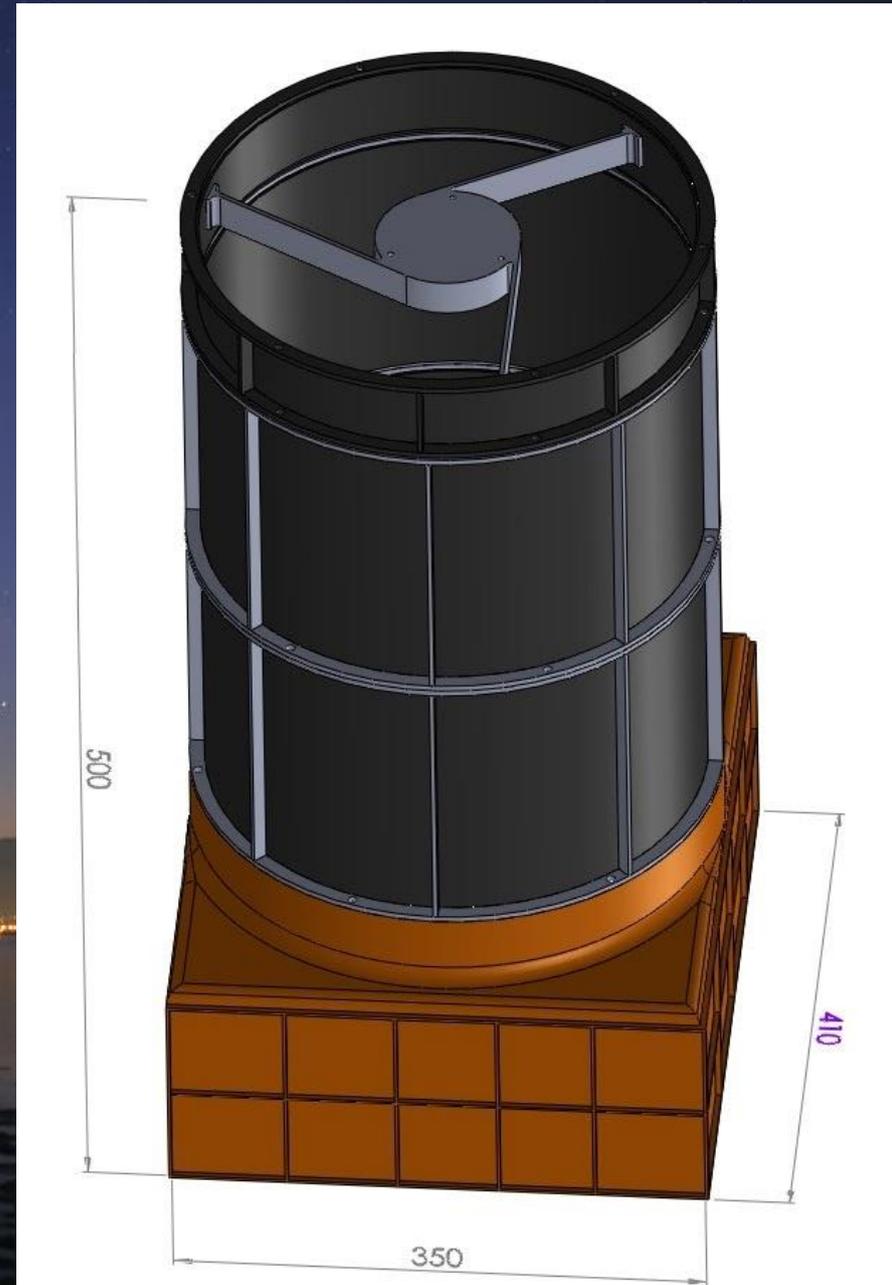
Blair et al. 2002 ApJSS 140, 367 (FUSE and HUT Observations of Radiative Shocks in the Cygnus Loop).

Team

- Jayant Murthy & Mikhail Sachkov (PI).
- 3 scientists: R. Mohan, M. Safonova, B. Kumar.
- 2 PhD students (Bharat Chandra, Shanti Prabha)
- Scientific collaborators at IIA and at universities.

Status

- Completing design.
- Procuring material.
- Assembly to occur in mid-2021.
- Delivery in end-2021.



Challenges

- COVID issues.
- Financial constraints.
- Trying to do space science on a minimal budget.



Acknowledgments

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- UNOOSA and Chinese Manned Space Agency.

