

Opportunity Title: Astrophysics: Theoretical Studies in Extragalactic Astronomy and Cosmology

Opportunity Reference Code: 0083-NPP-NOV23-GSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0083-NPP-NOV23-GSFC-Astrophys

Application Deadline 11/1/2023 6:00:59 PM Eastern Time Zone

Description Our theoretical studies cover a broad range of solar system, galactic, extragalactic, and cosmological subjects, using or modeling satellite and ground-based data.

Areas of active research include: (1) studying the nature and evolution of the Extragalactic Background Light (EBL), and its effect on the TeV gamma-ray opacity of the universe; (2) modeling the evolution of the stellar population, spectrum, metallicity, and dust content in the Milky Way, in local, and in high-redshift galaxies; (3) determining the formation, destruction, evolution, and nature of dust in various astrophysical sources and environments such as: supernovae and their remnants, AGB stars, molecular clouds, dusty plasmas, and the diffuse interstellar medium; and (4) deriving the morphology and spectrum if the interplanetary dust cloud for cosmological studies.

Location:

Goddard Space Flight Center
Greenbelt, Maryland

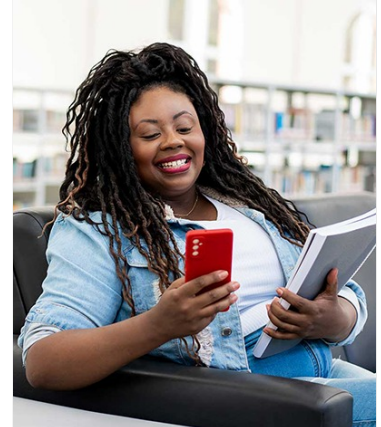
Field of Science:Astrophysics

Advisors:

Eric Switzer
Eric.R.Switzer@nasa.gov
301-614-0921

Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found at: <https://www.nasa.gov/ojir/export-control>.

Eligibility is currently open to:



Whether you are just starting your career or already at a senior level, ORAU offers internships, fellowships, research opportunities, and contract positions that can provide you with invaluable experience. Download the ORAU Pathfinder mobile app and find the right opportunity to propel you along your career path!

Visit ORAU Pathfinder [↗](#)



Opportunity Title: Astrophysics: Theoretical Studies in Extragalactic Astronomy and Cosmology

Opportunity Reference Code: 0083-NPP-NOV23-GSFC-Astrophys

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Eligibility Requirements

- **Degree:** Doctoral Degree.