

**Opportunity Title:** Astrophysics: High-Energy Gamma-Ray Astronomy with the Fermi Gamma-ray Space Telescope

**Opportunity Reference Code:** 0035-NPP-NOV23-GSFC-Astrophys

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0035-NPP-NOV23-GSFC-Astrophys

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

**Description** The Fermi Gamma-ray Space Telescope has been collecting high-energy gamma rays since August 2008. The main instrument, the Large Area Telescope (LAT) is a pair-conversion telescope that observes gamma rays with energies from 20 MeV to above 300 GeV. The observatory is conducting an ongoing all-sky survey that is very well-suited for multiwavelength and transient studies. The LAT explores an important window on a wide variety of high-energy phenomena, including active galaxies, the optical-UV extragalactic background light, pulsars and their nebulae, gamma-ray bursts, and supernova remnants, as well as searching for new astrophysical and particle phenomena. The second instrument, the Gamma-ray Burst Monitor (GBM) provides spectral and timing information for gamma-ray bursts in the 8 keV to 40 MeV range. As part of the LAT collaboration and home to the mission operations and science support centers, Goddard is involved in many aspects of operations and science analysis. The Fermi team at Goddard offers opportunities to pursue topics over the broad range of astrophysics accessible to the LAT.

**Location:**

Goddard Space Flight Center  
Greenbelt, Maryland

**Field of Science:** Astrophysics

**Advisors:**

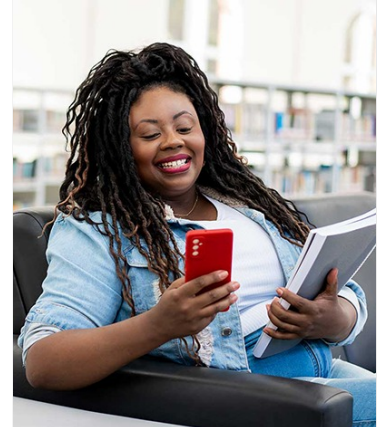
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**Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States.** A complete list of Designated Countries can be found at: <https://www.nasa.gov/oijr/export-control>.

Eligibility is currently open to:

- 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.