

Opportunity Title: Astrophysics: Gravitational Wave Astronomy
Opportunity Reference Code: 0007-NPP-NOV23-MSFC-Astrophys

Organization National Aeronautics and Space Administration (NASA)

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

Description The Marshall Space Flight Center has a research opportunity at the postdoctoral level within the astrophysics program. Applications are invited for investigations in data science research for future space-borne gravitational-wave missions. The research will work with Dr. Tyson Littenberg of NASA/MSFC. A background in gravitational wave astrophysics and Bayesian inference is an advantage, but is not required.

Current Marshall gravitational wave data science interests include:

Gravitational wave detection and characterization algorithm development, ultra-compact binary astrophysics, tests of general relativity and fundamental physics with gravitational waves, multi-messenger astrophysics, and low-latency gravitational wave detection and detector characterization. Marshall team members are actively involved in development of prototype data science tools for the LISA mission, and analysis of data from the LISA Pathfinder mission

Location:

Marshall Space Flight Center
Huntsville, Alabama

Field of Science: Astrophysics

Advisors:

Tyson B. Littenberg
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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/oiir/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.



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