

## **Postdoctoral Research Position in Gamma-Ray and Multi-Messenger Astronomy at the University of Utah**

The Department of Physics & Astronomy at the University of Utah invites applications for a postdoctoral research position to work with Prof. Qi Feng in the gamma-ray astronomy program. As part of our research group, you will have the opportunity to work on cutting-edge projects in the areas of high-energy gamma-ray astronomy, multi-messenger astronomy, astroparticle physics, and the development of next-generation gamma-ray instrumentation.

### **Responsibilities:**

- Lead projects related to the scientific and technological development of the Schwarzschild-Couder Telescope of the Cherenkov Telescope Array Observatory (CTAO), including simulations, data analysis, machine learning implementation, and optical alignment.
- Lead research projects in the areas of gamma-ray and multi-messenger astronomy, including but not limited to studies of active galactic nuclei and searches for high-energy neutrino sources, using data from VERITAS gamma-ray telescopes and CTAO, as well as from space telescopes such as Fermi, Swift, NuSTAR, and XMM. Pursuits of independent research interests in these areas are encouraged.
- Collaborate with local and external researchers in gamma-ray, X-ray, optical, and neutrino astronomy and astroparticle physics.
- Participate in service work as a member of the CTA and VERITAS collaborations (e.g., observing shifts).

### **Qualifications:**

- A doctoral degree in Physics, Astronomy, or a related discipline by the start date is required.
- Proven track record of research excellence, preferably in gamma-ray, X-ray, or multi-messenger astronomy, particle physics, or machine learning.

**Salary:** \$60,000 per year, plus benefits and relocation expenses.

### **Application & Additional Information:**

Applicants should send a cover letter, CV, and statement of research interests (2-3 pages) to Dr. Qi Feng at [qi.feng@utah.edu](mailto:qi.feng@utah.edu). Applicants should also arrange for at least three letters of recommendation to be sent to the same address.

The anticipated start date is in Fall 2024; an earlier start date can be accommodated. The initial appointment is for two years, with the second year contingent on satisfactory performance and may be extended further based upon funding availability and mutual agreement. Review of applications will begin on Dec 15, 2023 but applications will be accepted until the position is filled.

The University of Utah participates in forefront research in the areas of gamma-ray and X-ray astronomy, ultra-high-energy cosmic-ray physics, neutrino astrophysics, large optical surveys, cosmology, and time-domain astrophysics. The comprehensive research programs provide a competitive, vibrant environment for conducting scientific research.

For any inquiries about this position, please contact Dr. Qi Feng at [qi.feng@utah.edu](mailto:qi.feng@utah.edu).

*The University of Utah values candidates who have experience working in settings with students, staff, faculty and patients from diverse backgrounds and possess a strong commitment to improving access to higher education, employment opportunities, and quality healthcare for historically underrepresented groups.*

*Individuals from historically underrepresented groups, such as minorities, women, qualified persons with disabilities and protected veterans are encouraged to apply. Veterans' preference is extended to qualified applicants, upon request and consistent with University policy and Utah state law. Upon request, reasonable accommodations in the application process will be provided to individuals with disabilities.*

*The University of Utah is an Affirmative Action/Equal Opportunity employer and does not discriminate based upon race, ethnicity, color, religion, national origin, age, disability, sex, sexual orientation, gender, gender identity, gender expression, pregnancy, pregnancy-related conditions, genetic information, or protected veteran's status. The University does not discriminate on the basis of sex in the education program or activity that it operates, as required by Title IX and 34 CFR part 106. The requirement not to discriminate in education programs or activities extends to admission and employment. Inquiries about the application of Title IX and its regulations may be referred to the Title IX Coordinator, to the Department of Education, Office for Civil Rights, or both.*

*To request a reasonable accommodation for a disability or if you or someone you know has experienced discrimination or sexual misconduct including sexual harassment, you may contact the Director/Title IX Coordinator in the Office of Equal Opportunity and Affirmative Action:*

*Director/ Title IX Coordinator  
Office of Equal Opportunity and Affirmative Action (OEO/AA)  
383 University Street, Level 1 OEO Suite  
Salt Lake City, UT 84112  
801-581-8365  
oeo@utah.edu*

*Online reports may be submitted at [oeo.utah.edu](https://oeo.utah.edu)  
For more information: <https://www.utah.edu/nondiscrimination/>*