

Position Title:

Multiple Rank: Assistant / Associate Professor of Physics and Astronomy – Experimental High Energy Physics
University of Oklahoma, Norman Campus

General Description:

The Homer L. Dodge Department of Physics and Astronomy at the University of Oklahoma (OU) invites applications for a full-time tenured/tenure-track faculty position in experimental HEP. Qualified applicants in all areas of experimental HEP are encouraged to apply. The appointment is expected to begin in August 2025, at the rank of assistant or associate professor. Salary will be competitive and commensurate with qualifications and experience.

About us: Our department has active research groups in astronomy and astrophysics; atomic, molecular, and optical physics; high energy physics; and condensed matter physics. The department is a member of the APS IDEA network and hosts an active NSF/REU program. The University of Oklahoma HEP group is currently a member of the ATLAS experiment, has extensive experience in silicon strip and pixel detector technology and is participating in the high luminosity upgrade of the ATLAS detector. The department maintains both a machine shop and electronics shop. In addition, we host one of the ATLAS tier 2 computing centers. The experimental HEP group has experience in SM and BSM physics, specifically Higgs, Top, supersymmetry and long-lived particles.

A recent generous gift to the department has endowed the experimental HEP group with the funds to support two full-time research faculty (in perpetuity), as well as sustained funds for seminar series and graduate student support.

For further information about our department and the experimental HEP group, see <https://ou.edu/cas/physics-astronomy> or contact the search committee Chair, Brad Abbott (abbott@ou.edu).

OU is a Carnegie-R1 comprehensive public research university known for excellence in teaching, research, and community engagement. OU enrolls over 30,000 students and has more than 2700 full-time faculty members in 21 colleges. Norman is a culturally rich and vibrant town located just outside Oklahoma City. With outstanding schools, amenities, and a low cost of living, Norman is a perennial contender on “best place to live” lists. For more information, visit <http://www.ou.edu/content/dam/provost/documents/facultyflipbook.pdf>, <https://www.ou.edu/diversity>, and <https://ou.edu/news/articles/2023/july/forbes-names-ou-the-nations-number-1-employer-for-women>.

Required and Preferred Qualifications:

Applicants must have a Ph.D. (or equivalent) in physics, or a related area, and must have a demonstrated record of research accomplishments in experimental HEP, as evidenced by a publication record that shows creativity, promise of future research contributions, and/or an ongoing externally funded research program. The successful applicant must show potential to teach effectively at both undergraduate and graduate levels. The department enjoys a friendly and supportive work environment, and the successful applicant is expected to contribute to this environment and to collaborate with other members of the high energy physics group, directly or indirectly. The teaching load in the department is 1 course each semester.

Application Instructions:

Applicants must apply for this position online at <https://jobs.ou.edu>, job requisition 155814 or use the quick link (<http://apply.interfolio.com/155814>). Applications should include:

- a curriculum vitae
- a list of publications
- a description of past research and future research plans (3-5 pages), demonstrating potential to attract external funding
- a description of past teaching and/or future plans (2 pages max)

- a cover letter (3 pages max). The cover letter may address examples of the candidate's approach to teaching, inclusive excellence, research, service, graduate student mentorship, etc.
- contact information for 3 professional reference letters at the time of application

Contact Person and Application Review Date:

The review of applications will begin after December 8, 2024, and will continue until the positions are filled.

Inquiries should be directed to the search committee chair:

Prof Brad Abbott

Professor of Physics and Astronomy

University of Oklahoma

abbott@ou.edu