Notice

This notice is being provided as a result of the filing of an application for permanent alien labor certification for the job opportunity described below. Any person wishing to comment may provide documentary evidence to the Certifying Officer, U.S. Department of Labor; Employment and Training Administration; Office of Foreign Labor Certification; 200 Constitution Avenue NW, Room N-5311; Washington DC 20210.

Assistant Professor in Experimental Physics

The Department of Physics and Astronomy at the University of Kansas (KU) seeks applicants for the J.D. Stranathan Assistant Professorship in Experimental Physics in the field of experimental high-energy particle physics (HEP) or experimental high-energy nuclear physics (HNP). The position can begin as early as August 18, 2024. This named professorship is partially supported by endowment funds, in addition to the negotiable start-up package. The Department of Physics and Astronomy has faculty with a broad research agenda including research interests spanning experimental and theoretical investigation of the fundamental interactions of elementary particles, astro-particle physics, investigations with heavy-ions, observational astronomy, cosmology, space physics, plasma physics, exoplanets, and applied physics research in biophysics, photonics, and condensed matter physics. Job Description: The primary focus of the KU HEP group presently is the Compact Muon Solenoid (CMS) experiment at the Large Hadron Collider (LHC) at CERN. The group is also working to develop future detectors including planning for future e+e- colliders, and is very active in various outreach projects. The KU HNP group participates in both the ALICE and CMS heavy-ion programs, and works on developments for the Electron Ion Collider (EIC) program at Brookhaven, as members of the EPIC collaboration. Both the KU HEP and HNP groups have significant responsibilities for detector development, software and computing, and a strong participation in physics analysis. Qualifying candidates must have a Ph.D. in Physics or a closely related field, one year of relevant postdoctoral experience, and experience with particle detector instrumentation. A strong record of research and commitment to excellence in teaching are required. Candidates with research interests synergistic with the existing experimental high-energy particle or nuclear programs, including spanning across them through instrumentation opportunities, are particularly encouraged to apply.

Job Duties: 40% Research: The Department of Physics & Astronomy maintains a national profile of high quality faculty research. An active and productive research program with impactful publications in experimental high energy particle or nuclear physics is expected to lead towards establishing and maintaining a national and international reputation. 40% Teaching: Teach two classes per academic year in physics at the graduate or undergraduate level. Teach advanced undergraduate and graduate classes in area of specialization. Participate in the advising of undergraduate and graduate students. Participate in the advising of masters and doctoral students with he goal of actively participating as a dissertation/thesis director and professional mentor for doctoral students; supervise Honors studies. Conduct course evaluation with student input as directed by the university. Hold regular office hours for students of courses taught. 20% Service: Attend Departmental meetings. Contribute service to the Department and perform other related duties and special projects as assigned. Serve on committees at the Departmental, College and University levels as the opportunities arise. Participate in professional service that may include reviewing scholarly articles, activity in national organizations, organizing meetings or workshops.

Required Qualifications:

1. Ph.D. in physics or closely related field.
2. At least one year of relevant postdoctoral experience.
3. Established record of research in the area of experimental high-energy particle physics or experimental high-energy nuclear physics.

4. Commitment to excellence in teaching physics at graduate and undergraduate levels, as evidenced by teaching statement.
5. Demonstrated experience with particle detector instrumentation.
6. Research interests synergistic with the existing experimental high-energy particle physics or experimental high-energy nuclear programs in the Department.

Reply to:
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