Postdoctoral Position in Experimental Neutrino Physics

The experimental neutrino physics group at Carnegie Mellon University invites applications for a postdoctoral research position, to begin in Fall 2018. Our research program includes work on the KATRIN neutrino-mass experiment and the COHERENT neutrino-scattering experiment. The successful applicant will make significant contributions to data-taking, physics analysis, simulations, and the general software framework for both experiments, with possible projects in hardware test stands and experimental design, as well as guiding graduate and undergraduate students working on the experiments. The position is expected to be based primarily in Pittsburgh, with travel to the experimental sites. Other Carnegie Mellon research activities include rich programs in cosmology, medium- and high-energy physics, and machine learning.

The initial appointment is for one year, renewable up to two times (for a total of three years) upon satisfactory progress. The successful candidate must hold a PhD in experimental nuclear or particle physics, or equivalent postdoctoral experience, by the time the position starts. Experience in data analysis and C++/python programming is crucial; experience in simulations and detector and vacuum hardware are highly desirable. The successful candidate will be able to effectively interact and work with members of the KATRIN and COHERENT collaborations, on- and off-site. Our diverse group is welcoming to all candidates and we seek new members who can support and enhance this diversity and grow our physics program.

Pittsburgh, Pennsylvania, is a scenic, mid-sized city at the meeting place of three rivers. Affordable and historic, the “Steel City” features world-class arts; world-class sports; and more trees per square mile than any other city in the United States. Carnegie Mellon University is an Equal Opportunity Employer (including Disability/Veteran status). We warmly encourage members of underrepresented or marginalized groups to apply.

Application Instructions

Interested candidates should submit a cover letter, statement of research interests, curriculum vitae and the names of three people who will upload letters of recommendations to Interfolio at https://apply.interfolio.com/51436. Application materials should be received by July 17, 2018, to ensure full consideration. The position will remain open until filled. For further information, please contact Professor Diana Parno, dparno@cmu.edu. The group website may be found at http://www.andrew.cmu.edu/user/dianap/.