The Department of Physics and Astronomy in the College of Science at Purdue University seeks applications for a faculty position at the level of Assistant Professor in the area of experimental particle physics. All areas of experimental particle physics will be considered. We are interested in outstanding scientists with an established track record, international stature, a commitment to leading a preeminent research program, and a clear vision for future developments that will complement the current efforts within the department. Purdue has major involvement in the CMS, Mu2e, XENON1T/nT, LBECA, STAR and LSST experiments. Synergies exist with groups in astrophysics, theory, nuclear physics and condensed matter physics. The department offers a state-of-the-art in-house facility with resources applicable to silicon detector design, development and fabrication.

Qualifications
Applicants must have a Ph.D. in particle physics or a closely related field, an outstanding record of research accomplishments, and evidence of potential excellence in teaching at both the undergraduate and graduate levels. Candidates are expected to develop vigorous research programs, supervise graduate students, and teach both undergraduate and graduate level courses.

The Department and College
The Department has 57 tenured and tenure-track professors, 150 graduate students, and over 250 undergraduates. Over the last 5 years the Department has added 14 faculty and significant investment has been made in our key areas of discovery. The College and Department have launched initiatives in new emerging areas, such as Data Science and Quantum Information Science, and committed the resources necessary to make the new growth impactful.

Physics and Astronomy is part of the College of Science, which comprises the computing, physical, and life sciences at Purdue. It is the second-largest college at Purdue, with over 350 faculty and more than 6000 students. Purdue itself is one of the nation's leading land-grant universities, with an enrollment of over 41,000 students primarily focused on STEM subjects. For more information, see https://urldefense.proofpoint.com/v2/url?u=https-3A__www.purdue.edu_purduemoves_initiatives_stem_index.php&d=DwIBaQ&c=gRgGjJ3BkI5b5v6s49QgsA&r=N3bhhBFoC9IBDczDinpVjA&m=8rcqdRr2E6CGqtkw3eJMsbP6YIfH_FRIyhSEC6azcWU&s=HBszP9PVdV1p4C57-mIO1TznOdypPUs5r8xweUq8Da0&e=
Application Procedure
Applications need to be submitted to this site and must include (1) a complete curriculum vitae, (2) a publication list, (3) a brief statement of present and future research plans, and (4) a statement of teaching philosophy. In addition, candidates should arrange for at least 3 letters of reference to be sent to ppsearch@purdue.edu. Questions regarding the position and search should be directed to neumeist@purdue.edu. Applications completed by November 15, 2019 will be given full consideration, although the search will continue until the position is filled.
Purdue University’s Department of Physics and Astronomy is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. A background check will be required for employment in this position.
Purdue University is an EEO/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.