



Department of Physics
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Postdoctoral Research Position in Elementary Particle Physics

The High Energy Physics (HEP) Group at the University of Illinois at Urbana-Champaign invites applications for a postdoctoral researcher in experimental HEP to be associated with the ATLAS Experiment at the Large Hadron Collider.

The Illinois ATLAS Group is broadly focused on searches for physics beyond the standard model and is actively involved in Phase-II upgrades to the ATLAS trigger system and Run 3 operations. The successful candidate is expected to play a leading role in ATLAS data analysis and our Phase-II upgrade activities.

The Illinois HEP Group has active programs in theoretical, computational, observational, and experimental cosmology, astrophysics and particle physics and is growing significantly in these areas. The University of Illinois is a recognized leader in high-performance computing, hosting the National Center for Supercomputing Applications and a Tier-2 Computing Center used for processing, simulating and analyzing data from the ATLAS experiment.

Our group is directly and actively involved in several interdisciplinary centers and institutes that strengthen our HEP research and broaden its impact, including the *Illinois Center for Advanced Study of the Universe* (<https://icasu.illinois.edu>), the *Center for Artificial Intelligence (AI) Innovation* (<https://ai.ncsa.illinois.edu>), and the NSF-funded *Accelerated AI Algorithms for Data Driven Discovery* (A3D3, <https://a3d3.ai>). The successful candidate will have the opportunity to collaborate within these centers and institutes, particularly in the use of AI to maximize discovery potential in particle physics.

Qualified candidates must have a Ph.D. (or equivalent) in particle physics by the time of appointment. Applicants should send a curriculum vitae, a statement of research accomplishments and interests, and arrange for three letters of recommendation to be sent via email to Prof. Mark Neubauer (msn@illinois.edu).

Applications received by **January 9, 2023** will receive full consideration. Review of applications will continue until the position is filled.

Illinois is an Affirmative Action/Equal Opportunity Employer and welcomes individuals with diverse backgrounds, experiences, and ideas who embrace and value diversity and inclusivity (<http://www.inclusiveillinois.illinois.edu>).