

## Two Postdoctoral Positions in the ATLAS group at Indiana University, Bloomington

The Physics Department at Indiana University (IU) Bloomington invites applications for two postdoctoral positions with its group working on the ATLAS experiment at the Large Hadron Collider. These positions are expected to last for three years, subject to funding availability and satisfactory performance. Experience with hardware instrumentation, electronics and computing is particularly valuable.

The IU ATLAS group consists of Professors Harold Evans, Sabine Lammers, Chris Meyer and Rick van Kooten, Research Scientists Fred Luehring and Simone Sottocornola, and several postdocs, graduate students and undergraduate students. We participate in a wide range of physics analyses, including Higgs, Vector Boson Fusion, Vector Boson Scattering, and searches for non-Standard Model particles. We have had responsibilities for the design and fabrication of the barrel transition radiation tracker (TRT) and have continuing roles in TRT operations. We are heavily involved in the operations and upgrades to the Level-1 calorimeter trigger, specifically the global feature extractor (gFEX) that triggers on boosted objects and global event quantities, and the global event processor (GEP) in Phase-II. We also work on readout and calibration of the new inner tracker (ITk). In addition, we operate an ATLAS Tier 2 computing site at Indiana University in collaboration with the University of Chicago and U. Illinois, Urbana-Champaign.

A Ph.D. in experimental high-energy or nuclear physics is required at time of appointment. The starting date is negotiable; however, it is expected that the appointment will start on or before February 1, 2024. The positions are intended to be based at CERN.

Applications, including a CV, a statement of research interests, and three letters of reference, should be submitted through the application portal located at:

<https://indiana.peopleadmin.com/postings/20375>

Applications will be reviewed starting on November 15, 2023 and will continue until the positions are filled. The positions are annually renewable assuming satisfactory performance. For questions please contact the Physics Department at +1-812-855-1247 or Sabine Lammers ([slammers@iu.edu](mailto:slammers@iu.edu), +1-812-856-2152).

### Equal Opportunity Statement:

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