

Postdoctoral Position in the Experimental Low-Energy Nuclear Physics Research (LER) Group at Argonne National Laboratory

The Low-Energy Nuclear Physics Research Group (LER) of the Physics Division at Argonne National Laboratory seeks outstanding individuals to fill an open postdoctoral position within the Nuclear Data group. The scholar will be engaged in a collaborative research program involving scientists from Argonne National Laboratory, Michigan State University (led institution) and Skidmore College aimed at improving predictions for atomic masses in regions of the nuclear chart where experimental data are not available. The scholar will also contribute to ongoing nuclear data evaluation of atomic masses.

Candidates considered for the position must have:

- Recently received or near completion of their Ph.D. in nuclear physics or related discipline within the last 3 years.
- Experience at conceiving and executing research projects, data analysis, physics interpretations, and reporting of the results.
- A strong background in the field of Experimental or Theoretical Nuclear Physics.
- Knowledge of computation tools for software development and optimization, including programming languages such as Python

In addition, a preference will be given to candidates with experience in experimental or theoretical studies of atomic masses and their applications in science and technology.

LER performs world-leading research in nuclear structure, nuclear astrophysics, fundamental symmetries, and nuclear data. The Group also manages and operates world-class detector systems as part of the ATLAS accelerator facility, a DOE Office of Nuclear Physics National User Facility for low-energy nuclear physics research. ATLAS provides world-unique rare isotope beams from either the CARIBU (Californium Rare Ion Breeder Upgrade) source or the ATLAS In-Flight Facility. In addition, members of the group are leading experimental programs at the Facility for Rare Isotope Beams (FRIB). Information on the activities of the Group and the Division can be found at <https://www.anl.gov/phy>.

The appointment will be for two years, with the possibility of an extension for up to 3 years depending on funding and performance. Interested applicants should apply [here](#) (requisition #415237). In addition, please forward your CV and arrange for three letters of reference to be sent to Dr. Filip G. Kondev (kondev@anl.gov). Review of applicants will begin March 20, 2023, and the position will remain open until filled.

As an equal employment opportunity and affirmative action employer, and in accordance with our core values of impact, safety, respect, integrity and teamwork, Argonne National Laboratory is committed to a diverse and inclusive workplace that fosters collaborative scientific discovery and innovation. In support of this commitment, Argonne encourages minorities, women, veterans and individuals with disabilities to apply for employment. Argonne considers all qualified applicants for employment without regard to age, ancestry, citizenship status, color, disability, gender, gender identity, genetic information, marital status, national origin, pregnancy, race, religion, sexual orientation, veteran status or any other characteristic protected by law.

Argonne employees, and certain guest researchers and contractors, are subject to particular restrictions related to participation in Foreign Government Sponsored or Affiliated Activities, as defined and detailed in United States Department of Energy Order 486.1A. You will be asked to disclose any such participation in the application phase for review by Argonne's Legal Department.