

The Low Energy Nuclear Physics Group at the Physics Division is now inviting interested applicants to apply for a Postdoctoral Appointee position to conduct research in the field of Experimental Nuclear Astrophysics at the Argonne Tandem Linac Accelerator System (ATLAS). The ATLAS accelerator facility is a DOE supported national user facility for low-energy nuclear physics research.

The successful candidate will work in the research group of Dr. Melina Avila on measurements of  $(\alpha, n)$  reactions using the Multi-Sampling Ionization Chamber (MUSIC) detector. In addition, the successful candidate will play an important role in the development of a new Time Projection Chamber (TPC) for alpha-induced experiments at ATLAS and FRIB. The candidate is expected to take a leading role planning future experiments and performing data analysis.

### Position Requirements

The successful candidate must have:

- Received within the last 3 years or soon to receive his/her Ph.D. in physics or a discipline related to low energy nuclear physics.
- Experience at conceiving and executing experimental research projects and reporting the results.
- Strong research background in at least one of the following areas: nuclear astrophysics, nuclear reactions, detector development, digital data acquisition, active targets or TPCs.
- Experience with computer programming and data analysis.

Information on the activities of the Low Energy Group and the Division can be found at <https://www.anl.gov/phy>. The Argonne Physics Division has programs in low energy and medium energy nuclear physics, nuclear theory, nuclear data, accelerator R&D and operates the DOE Office of Nuclear Physics National User Facility, the Argonne Tandem-Linac Accelerator System (ATLAS). The position is for 2 years, with the possibility of extension for up to 3 years depending on funding and performance. Interested applicants should forward a current CV along with three letters of reference to Dr. Melina Avila ([mavila@anl.gov](mailto:mavila@anl.gov)) by October 25 to be fully considered for the position. In addition, the applicants must apply at Argonne National Laboratory career website (Requisition Number: 411435).

*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, gender expression, genetic information, marital status, national origin, pregnancy, race, religion, sexual orientation, veteran status or any other characteristic protected by law.*