



**Staff Position**  
Requisition #408874

**Medium Energy Group**  
**Physics Division**  
Argonne National Laboratory  
9700 South Cass Avenue, Bldg. 203  
Lemont, IL 60439

The Medium Energy Group in the Physics Division at Argonne National Laboratory invites talented individuals to apply for a staff position in experimental medium-energy nuclear physics. We will consider all applicants with a background in experimental medium or high energy nuclear/particle physics. However, some preference will be given to those with a research program that overlaps with the existing and future facilities funded by the Department of Energy's Office of Nuclear Physics, such as the experimental programs at Jefferson Lab and Brookhaven National Laboratory.

We are seeking candidates with an excellent research record and great promise for future growth. We plan to appoint at the rank of Assistant Physicist (Argonne's equivalent of a tenure-track Assistant Professor). We may also consider candidates at the level of Physicist (Argonne's equivalent of a tenured Associate Professor). The appointment can start as early as January 2021.

The Medium Energy Group currently has seven staff members, two engineers, and several postdocs and students. Our team has a broad-ranging program in hadron and nuclear physics, leading electron scattering experiments in Jefferson Lab in Hall A, B, and C, including CLAS12 and SoLID. We have led SeaQuest and are also involved in SpinQuest at Fermilab, the MUSE experiment at PSI, the NEXT  $0\nu\beta\beta$  experiment, and an in-house program to measure the Radium EDM. The Group also has a comprehensive program in detector technology, including pixelized MCP-PMTs, ultrafast silicon sensors, and superconducting nanowire detectors.

Furthermore, we are investing in the Electron-Ion Collider, leveraging resources from an Argonne Strategic LDRD and Program Development funds. Our current focus lies in physics simulations, including machine learning and artificial intelligence methods, leveraging the world-class high-performance computing facilities at Argonne. The Argonne EIC group is a close collaboration between members of the Medium-Energy, Theory, and Accelerator R&D groups, together with the High Energy Physics and Material Science Divisions.

**Interested applicants must complete the following steps:**

1. Complete the application and profile at <https://tinyurl.com/y49xhg5l> (or search for requisition #408874 via <http://www.anl.gov/hr/external-applicants>).
2. Email a curriculum vitae and a statement of research interests to Paula Dahlberg ([pdahlberg@anl.gov](mailto:pdahlberg@anl.gov))
3. Arrange for four letters of recommendation to be emailed to the same address.

Please send all application materials in PDF, MS Word, or plain text format to Paula Dahlberg ([pdahlberg@anl.gov](mailto:pdahlberg@anl.gov)). You can also reach Paula for any questions.

**Applications received by Monday, November 2<sup>nd</sup>, 2020, will receive our fullest consideration.**

Argonne ([www.anl.gov](http://www.anl.gov)) is a multidisciplinary science and engineering research center located about 25 miles southwest of Chicago. The Physics Division (PHY) at Argonne has a staff of around 100, including 32 Ph.D.'s and 18 postdoctoral scholars. PHY's research and development focuses on the fundamental understanding of the constituents of matter. PHY has major programs in low-energy nuclear physics, nuclear theory, medium-energy nuclear physics, fundamental interactions, and accelerator technology, with additional smaller-scale programs in optical trapping of atoms and nuclear science applications. A primary mission of PHY is to operate the Argonne Tandem Linac Accelerator System (ATLAS) as a national user facility for low-energy nuclear physics.

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 Talent Recruitment Programs, as defined and detailed in United States Department of Energy Order 486.1. You will be asked to disclose any such participation in the application phase for review by Argonne's Legal Department.