



**Staff Position—Physics Division Theory Group
Argonne National Laboratory
Lemont, IL 60439**

Requisition #407473 [www.anl.gov/hr/careers]

The Theory Group in the Physics Division at Argonne National Laboratory is now seeking outstanding candidates for a staff position in nuclear theory. Applicants in any field of theory funded by the Department of Energy's Office of Nuclear Physics will be considered, however some preference will be given to those with a research program that overlaps with existing and planned facilities, such as, Jefferson Lab, the Electron-Ion Collider, and ATLAS/FRIB.

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 (Ph.D. plus at least two years postdoctoral experience), which is Argonne's equivalent of a tenure-track Assistant Professor. The appointment is anticipated to begin in October 2020.

The Theory Group currently has three staff members [Ian Cloët, Alessandro Lovato, and Robert Wiringa], as well as several postdocs and students. The Group has a broad-ranging research program in QCD/hadron physics and nuclear structure/reactions, with particular interests that include: quark and gluon tomography of hadrons and nuclei, hadronization, emergent phenomena in QCD, *ab initio* approaches to nuclear structure, and neutrino interactions with nuclei.

The Group also has a developing program in quantum information science with applications to nuclear physics, and leads the Argonne Strategic LDRD for the Electron-Ion Collider which currently has a focus on physics simulations, including the use of machine learning and artificial intelligence methods. The Group has access to extensive Laboratory and National computational resources.

Further information on our group and its research activities can be found at: www.anl.gov/phy/theory and www.phy.anl.gov/theory.

Interested applicants must complete the following steps:

1. Complete the application and profile at: <https://tinyurl.com/t8caowr> [Or search requisition #407473 via www.anl.gov/hr/external-applicants]
2. Email a curriculum vitae and a statement of research interests (no more than two pages) to: [Ian Cloët <icloet@anl.gov>](mailto:icloet@anl.gov)
3. Arrange for four letters of recommendation to be emailed to the same address.

All application materials should be sent in either plain text or PDF format and any questions may be sent to [Ian Cloët <icloet@anl.gov>](mailto:icloet@anl.gov).

Applications received by Friday 6 March 2020 will receive our fullest consideration.

Argonne (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 applications of nuclear science. 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, 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.