



EXPERIMENTAL HALL A

at Thomas Jefferson National Accelerator Facility

The unique capability to install large, diverse experimental setups allows scientists to explore:

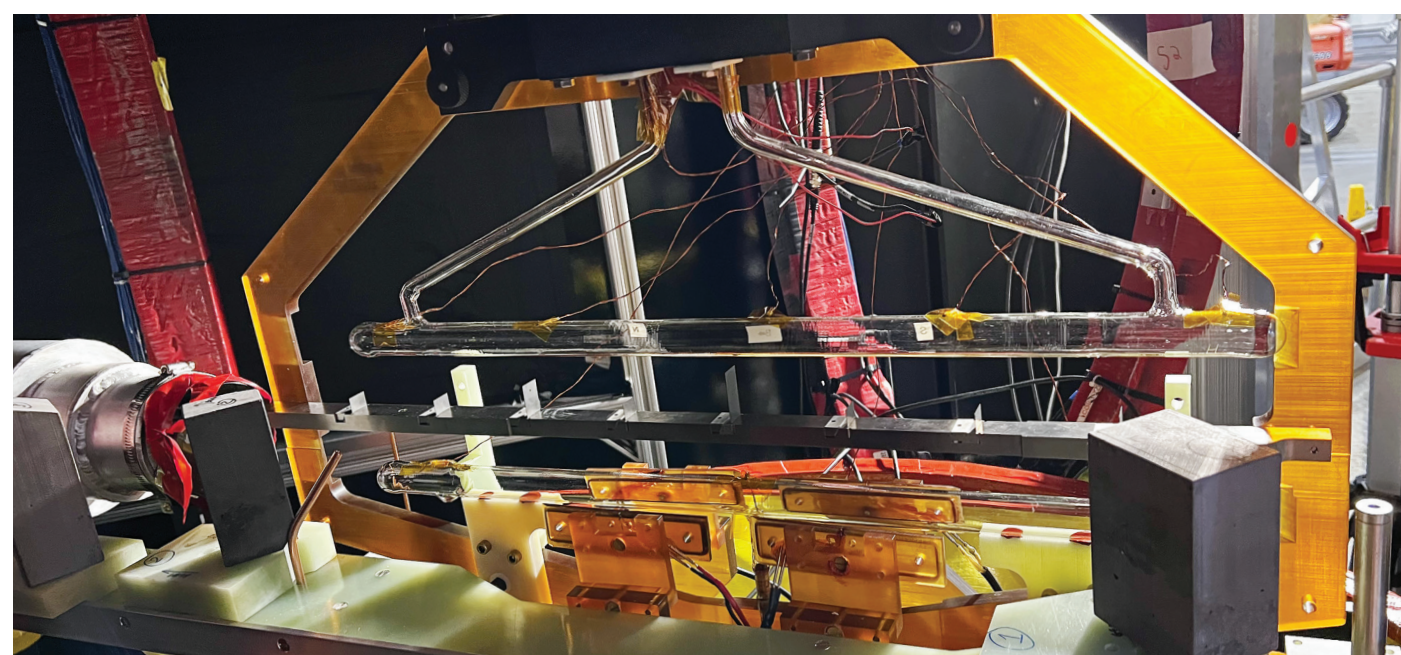
- Nucleon charge and magnetic structure
- Precision 3D momentum imaging of the neutron
- Precision tests of the Standard Model
- Nuclear constraints on dense astrophysical systems
- Nuclear structure at short distances
- Origins of mass from dynamical nuclear interactions

Hall A's international collaboration of scientists represents more than 70 institutions and 17 countries.

17 COUNTRIES

Armenia, Brazil, Canada, China, Croatia, Egypt, Eswatini, France, Italy, Japan, Saudi Arabia, Slovenia, South Korea, Tunisia, Ukraine, United Kingdom, and United States

Jefferson Lab



The polarized helium-3 target system with glass cells inside Experimental Hall A at Jefferson Lab.

70+ INSTITUTIONS

A.I. Alikhanyan National Science Laboratory (Yerevan Physics Institute); Argonne National Laboratory; Bluffton University; Cairo University; **California State University, Los Angeles***; Canon U.S.A.; Carnegie Mellon University; CEA Paris-Saclay; Christopher Newport University; Chubu University; Department of Homeland Security; Duke University; Duquesne University; Faculté des Sciences de Monastir; **Florida International University***; **Hampton University***; Harvard University; Idaho State University; Indiana University; Istituto Nazionale di Fisica Nucleare (INFN) – Sezione di Bari, Sezione di Catania, Sezione di Genova, Sezione di Roma; James Madison University; Jazan University; Jožef Stefan Institute; Kent State University; Kharkov Institute of Physics and Technology; King Saud University; Kyoto University; Laboratoire de Physique des 2 Infinis Irène Joliot-Curie (IJCLab); Lawrence Berkeley National Laboratory; Lawrence Livermore National Laboratory; Longwood University; Los Alamos National Laboratory; Louisiana Tech University; Massachusetts Institute of Technology; Michigan State University; Mississippi State University; **Norfolk State University***; Ohio University; Old Dominion University; Rutgers University; St. Mary's University (Canada); Seoul National University; Shandong University; Stony Brook, State University of New York; Syracuse University; Temple University; The Catholic University of America; The George Washington University; Tohoku University; Tsinghua University; Universidade de São Paulo; Università di Catania; Université Clermont Auvergne; Université Paris-Saclay; **University of California, Riverside***; University of Connecticut; University of Eswatini; University of Glasgow; University of Illinois Chicago; University of Ljubljana; University of Manitoba; University of Massachusetts, Amherst; University of New Hampshire; University of Regina; University of South Carolina; University of Tennessee, Knoxville; University of Tokyo; University of Virginia; University of Zagreb; Virginia Military Institute; Virginia Tech; William & Mary

* U.S. Historically Black Colleges and Universities
• U.S. Hispanic-Serving Institutions