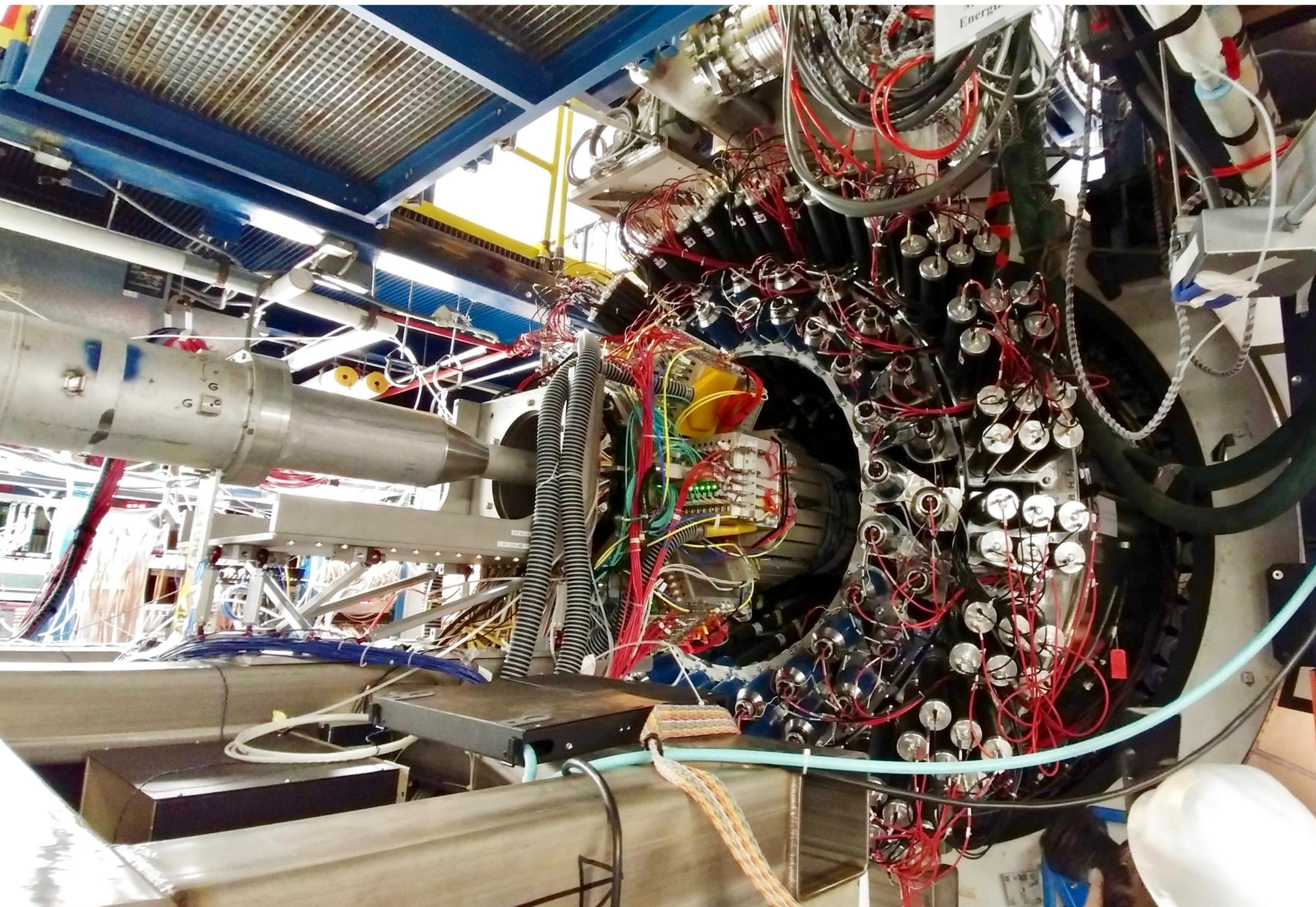


# EXPERIMENTAL HALL B

at Thomas Jefferson National Accelerator Facility



The research program in Hall B with the CLAS12 Large Acceptance Spectrometer and other specialized experimental equipment allows for fundamental investigations into the nature of matter that will focus and shape our understanding of the universe from the subatomic scale to the scale of the universe. Research topics include:

- Femtographic imaging of the quark distributions within the nucleon
- Spectrum and structure of excited baryons
- Searches for exotic forms of matter
- Gravitational structure of the proton
- Quark-gluon interactions in nuclei

An international collaboration of scientists participate in experiments carried out in Hall B. Hall collaborators represent more than 55 institutions and 12 countries.

## 55+ Institutions

Argonne National Laboratory; Arizona State University; A.I. Alikhanian National Science Laboratory (Yerevan Physics Institute); Budker Institute of Nuclear Physics; California State University, Dominguez Hills; Carnegie Mellon University; CEA IPN - Instituto Politécnico Nacional; Christopher Newport University; Duke University; Edinburgh University; Fairfield University; Fermi National Accelerator Laboratory; Florida International University; Florida State University; Hampton University; Idaho State University; Indian Institute of Technology; Institut de Physique Nucléaire Orsay; Institute for Theoretical and Experimental Physics (ITEP); Institute of Research into the Fundamental Laws of the Universe (IRFU, CEA); Institut für Experimentalphysik I, Ruhr-Universität Bochum; Institut für Kernphysik; Institut National de Physique Nucléaire et de Physique des Particules (CNRS/IN2P3); Istituto Nazionale di Fisica Nucleare (INFN) – Laboratori Nazionali di Frascati, Sezioni di Catania, Sezioni di Padova, Sezione di Ferrara, Sezione di Genova, Sezione di Roma, Sezione di Roma Tor Vergata, Sezione di Torino, University of Sassari; James Madison University; Kyungpook University; Massachusetts Institute of Technology; Mississippi State University; Norfolk State University; North Carolina A&T State University; Ohio University; Old Dominion University; Rensselaer Polytechnic Institute; Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University; SLAC National Accelerator Laboratory; Stony Brook, State University of New York; Temple University; Tufts University; The Catholic University of America; The George Washington University; The Hebrew University of Jerusalem; Tsinghua University; Universidad Técnica Federico Santa María; Università degli studi di Ferrara; Università degli studi di Genova; Università di Roma Tor Vergata; University of California, Santa Cruz; University of Connecticut; University of Giessen; University of Glasgow; University of Kentucky; University of New Hampshire; University of North Carolina at Wilmington; University of Richmond; University of South Carolina; University of Virginia; Virginia Tech; and William & Mary

## 12 Countries

Armenia, Chile, China, France, Germany, India, Israel, Italy, Russia, South Korea, United Kingdom, and United States