



FRIB Scientific Users

Michigan State University (MSU) operates the Facility for Rare Isotope Beams (FRIB) as a user facility for the U.S. Department of Energy Office of Science (DOE-SC), with financial support from and furthering the mission of the DOE-SC Office of Nuclear Physics. FRIB is open to researchers, or scientific users, based on the merit of their proposals for scientific research.

Approximately 1,800 scientific users are engaged in FRIB science and instrumentation. They organized themselves in an independent FRIB Users Organization (fribusers.org), with 22 working groups specializing in instruments and scientific topics. Members are from 140 U.S. colleges and universities, 13 U.S. national laboratories, and 50 countries, composed of scientists, postdoctoral research associates, and graduate students. There are 1,119 U.S. users in the organization.

The user community meets annually at the Low Energy Community Meeting (LECM) and rotates locations each time (photo shows attendees of the 2025 meeting). LECM provides an opportunity for nuclear scientists to interact and discuss future plans, initiatives, and facilities.



FRIB Experiments Underway

Since the start of user operation in May 2022, FRIB has delivered more than 450 rare isotope beams to experiments and supported 931 participants (745 from the U.S.), including 263 students, across 174 experiments, 23 countries, and 166 institutions. Published results are available at frib.msu.edu/publications.

In 2025, FRIB is providing a broad scientific program and continuing technical developments to further enhance user discovery opportunities.

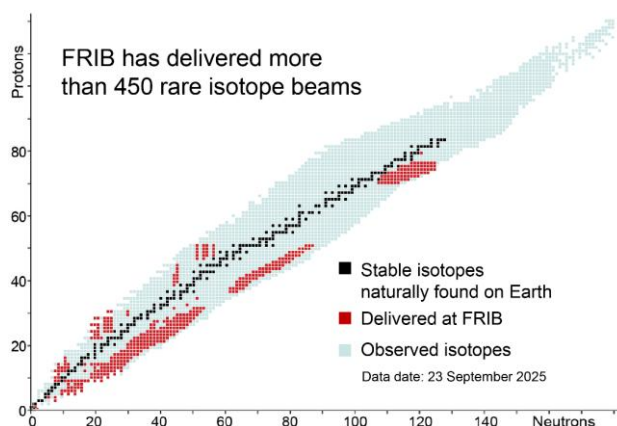
High Demand for High-Merit Science at FRIB

Since 2022, FRIB has received 251 proposals for beam time use. The beam list is online at frib.msu.edu/beams.

FRIB's scientific program is forged with input from the FRIB Program Advisory Committee (PAC), a group of international world-leading scientists who review non-proprietary beam-time requests submitted to FRIB for merit, consistent with U.S. Department of Energy Office of Science (DOE-SE) policy and U.S. law, and make recommendations to the FRIB Laboratory director. PAC-recommended experiments align with national priorities and span the four FRIB science areas: properties of rare isotopes; nuclear astrophysics; fundamental symmetries; and applications for society, including in homeland security.

The interest in the science opportunities at FRIB is so large that the facility continues to be oversubscribed and can only accommodate around 30 percent of all requested beam time. In the most recent round, beam time was awarded to 500 scientists, including from 45 U.S. institutions across 24 U.S. states, counting among them seven U.S. national laboratories and 35 domestic colleges/universities.

Visit frib.msu.edu/users or contact the FRIB Manager for User Relations at useroffice@frib.msu.edu.



Learn more at frib.msu.edu