



User community focuses on building welcoming scientific collaborations



FRIB hosted the 2023 Low Energy Community Meeting (LECM) 9-11 August. More than 300 members of the worldwide low-energy nuclear physics community—from more than 60 institutions—attended to interact and discuss future plans, initiatives, and instruments.

LECM 2023 included plenary sessions, four working group sessions, and two workshops: a workshop on Los Alamos Neutron Science Center (LANSCE) activities and a workshop on building respectful, welcoming, equitable, and inclusive collaborations. [Read more](#)

U.S. Department of Energy Office of Science awards operating funds to continue forefront nuclear science research at FRIB

The U.S. Department of Energy Office of Science has awarded operating funds to FRIB for the next five years to be a DOE-SC user facility to enable discovery opportunities envisioned by FRIB's user community, supporting the mission of the DOE-SC Office of Nuclear Physics (ONP). The award will allow

development of beams desired by the community, ramp up the FRIB power, and provide additional experimental capabilities.

The yearly ONP budget supporting FRIB is subject to appropriation by the U.S. Congress.

Long-lived quantum state points the way to solving a mystery in radioactive nuclei

Oak Ridge National Laboratory (ORNL) [published an article](#) about a study using data collected from the first experiment at FRIB. ORNL's Timothy Gray led the study that may have revealed an unexpected change in the shape of an atomic nucleus. The surprise finding could affect our understanding of what holds nuclei together, how protons and neutrons interact and how elements form.

New joint French-U.S. laboratory to advance fundamental nuclear physics and astrophysics research being established at FRIB

The French research organization, Centre National de la Recherche Scientifique, or CNRS, signed an agreement with Michigan State University on 18 July to establish at FRIB the International Research Laboratory on Nuclear Physics and Astrophysics (IRL NPA). CNRS has nearly 80 international research laboratories worldwide, and IRL NPA at FRIB is the first dedicated to nuclear physics and astrophysics. [Read more](#)

News

Below are some recent FRIB website articles. For more, visit the [FRIB website](#).

- [Winners of 2023 FRIB Achievement Award for Early Career Researchers named](#)
 - [Exotic Beam Summer School 2023 introduces students to the science of exotic nuclei](#)
 - [High-school students learn about nuclear physics at Physicists Inspiring the Next Generation: Exploring the Nuclear Matter 2023](#)
 - [2023 FRIB Theory Alliance Summer School focuses on practical applications of Bayesian statistics and machine learning for nuclear science](#)
-

In the News

FRIB science and its discovery opportunities—enabled through the support of the nuclear science community—were the focus of an interview/tour published in the *Detroit Free Press* and *USA Today*. Coverage of the article/tour included:

- [At this lab, the secrets of the atom — and the universe — are being discovered](#) (*USA Today* via Yahoo News)
- [Photo gallery: Inside the Facility for Rare Isotope Beams at Michigan State](#) (*Detroit Free Press*)

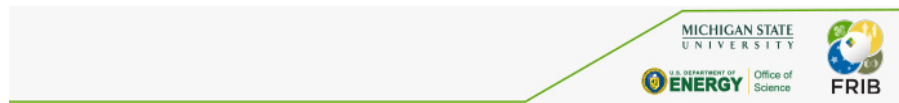
Below are some additional recent FRIB-focused articles from selected outlets. For more, visit the [FRIB website](#).

- [New joint French-U.S. laboratory to advance fundamental nuclear physics and astrophysics research being established at the Facility for Rare Isotope Beams at Michigan State University](#) (ScienMag)
- [Global superconducting radio frequency community attends FRIB-hosted conference](#) (ScienMag)

Upcoming Events

Below is a list of upcoming events. For more, visit the [FRIB website](#).

- 25 September – Symposium on Past, Present, and Future of Nuclear Structure Theory
- 3-4 October – Operations Advisory Committee Review
- 27 October – Distinguished Nuclear Policy Lecture Series: Rose Gottemoeller, former Deputy Secretary General of NATO
- 28-30 November – Technical Systems Advisory Committee Review



Michigan State University operates FRIB as a user facility for the U.S. Department of Energy Office of Science (DOE-SC), supporting the mission of the DOE-SC Office of Nuclear Physics.

Copyright © 2023 Facility for Rare Isotope Beams (FRIB), All rights reserved.

Please note: FRIB has transitioned to Mailchimp in order to better serve our audience. If you wish to unsubscribe from our emails, please see the link below.

For the best printing option, please select "View this email in your browser" at the top of this email and print from your browser screen.

Want to change how you receive these emails?
You can [unsubscribe from this list](#).

[Forward to a friend](#)

