



FRIB opens its doors to discovery

FRIB opened its doors to discovery with a ribbon-cutting ceremony on 2 May. U.S. Secretary of Energy Jennifer M. Granholm and MSU President Samuel L. Stanley Jr., M.D., [cut the ribbon](#) to officially mark the start of FRIB's scientific mission. About 900 guests attended the ribbon-cutting to celebrate FRIB opening for scientific research. FRIB was completed in January, ahead of schedule and on budget. FRIB's first scientific-user experiments started 9 May. [Read more about the ribbon-cutting event.](#)

First experiment concludes successfully

The first experiment at FRIB concluded successfully. Experiment spokespersons James "Mitch" Allmond (ORNL), Heather Crawford (LBNL), Ben Crider (Mississippi State University), Robert Grzywacz (UTK), and Vandana Tripathi (FSU) used the FRIB Decay Station initiator (FDSI) to study the beta-decay of calcium-48 fragments. [Read more in FRIB's article](#) and the [ORNL article](#).

CELEBRATE NSCL WITH US

NSCL celebration set for 12 August: The National Superconducting Cyclotron Laboratory (NSCL) ran the first experiment in September 1982. The last experiment was run 25-31 May. To celebrate the intervening 40 years of NSCL operation, a hybrid (in person and virtual) "Celebration of 40 Years of NSCL Science" meeting will be held on 12 August. The meeting will start with lunch and tours and include comments and presentations on the science and history of NSCL. Register for the event [online](#).

NEWS CENTER

Operations Proposal review update: The U.S. Department of Energy Facilities and Project Management Division in the Office of Nuclear Physics conducted a panel review for the FRIB Operations Proposal 10-12 May. The purpose of the review was to evaluate the scientific and technical goals proposed to be accomplished at FRIB over the five-year period from January 2023 to January 2028. The review panel congratulated FRIB on achieving a 1 kW beam and providing secondary beam on target for the first experiment. The panel commended FRIB for working with the user community in developing the FRIB day-one science program, including engaging the users through the FRIB Users Organization and FRIB Theory Alliance and clearly communicating the expected available beams, as well as holding proposal preparation workshops and calculating all secondary beams for the proposals.

High Rigidity Spectrometer (HRS) update: HRS will substantially increase FRIB's scientific reach and productivity in nuclear structure and nuclear astrophysics research, tests of fundamental symmetry, and applications of rare isotopes. At present the detailed design of HRS is ongoing. HRS will likely be completed when FRIB has reached its maximum beam power, and the added capabilities of HRS will result in another jump in scientific reach of the facility. There are two upcoming reviews this year to move the project along.

Program Advisory Committee update: FRIB anticipates a call for proposals in fall 2022 and an FRIB Program Advisory Committee (PAC) meeting in March 2023. An announcement with details will be made later this year. Contact FRIB Manager for User Relations Jill Berryman at useroffice@frib.msu.edu with questions.

Accelerator Traineeship Advisory Panel meeting held 2 June: The Accelerator Traineeship Advisory Panel held a meeting on 2 June. The focus was to review the Accelerator Science and Engineering Traineeship (ASET) program at MSU and to provide recommendations to the FRIB Laboratory director. ATAP's key findings included that it believes the program is functioning well and is encouraged by the current experience of the students at the national labs.

MSU's nuclear physics graduate program retains #1 ranking: The Michigan State University (MSU) nuclear physics graduate program retained its No. 1 ranking, according to the latest U.S. News & World Report ranking for best graduate schools. [Read more](#)

For more FRIB news items, visit the [FRIB website](#).

CONGRATULATIONS TO LAB COMMUNITY

2022 FRIB Visiting Scholar Program for Experimental Science names award winner: Vandana Tripathi from Florida State University is the award recipient for the 2022 FRIB Visiting Scholar Program for Experimental Science. [Read more](#)

First winners of FRIB Achievement Award for Early Career Researchers named: The FRIB Users Organization Executive Committee and the FRIB Theory Alliance Executive Board have announced the winners of the 2022 FRIB Achievement Award for Early Career Researchers: Amy Lovell, from Los Alamos National Laboratory, and Jaspreet Singh Randhawa, from the University of Notre Dame. [Read more](#)

Members of FRIB user community named 2021 American Association for the Advancement of Science Fellows: Three members of the FRIB user community have been named 2021 Fellows of the American Association for the Advancement of Science (AAAS): Michael Annan Lisa, Filomena Nunes, and James Vary. [Read more](#)

FRIB's Witke Nazarewicz receives Casimir Funk Natural Sciences Award: The Polish Institute of Arts and Sciences of America has awarded Witke Nazarewicz, John A. Hannah Distinguished Professor of Physics and chief scientist at FRIB, with the 2021 Casimir Funk Natural Sciences Award. [Read more](#)

FRIB graduate student receives prestigious DOE-SC grant: The U.S. Department of Energy Office of Science has awarded FRIB graduate assistant Hannah Christine Berg a highly competitive Office of Science Graduate Student Research Program grant. Berg, a PhD student in nuclear astrophysics working at FRIB, plans to conduct her on the astrophysical s-process with researchers at Lawrence Livermore National Laboratory (LLNL) in California. As part of this work she will travel to Argonne National Laboratory (ANL) to use low-energy beams from ANL's Californium Rare Isotope Breeder Upgrade (CARIBU) to constrain relevant neutron-capture reactions. [Read more](#)

ALUMNI SPOTLIGHT

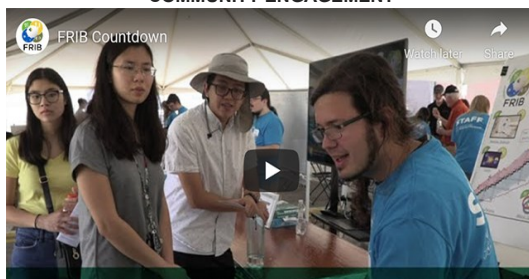


Ragnar Stroberg earned a PhD in physics at Michigan State University, and he was at the National Superconducting Cyclotron Laboratory from 2009 to 2014.

He is currently a staff member in the theory group at Argonne National Laboratory. [Read more](#)

Ragnar Stroberg

COMMUNITY ENGAGEMENT



The public event included activities, demonstrations, presentations, and tours that offered

FRIB provides nearly 1,000 tours during Countdown event

Nearly 1,000 people toured FRIB during the FRIB Countdown on 23 April. The public event included activities, demonstrations, presentations, and tours that offered the public a glimpse at FRIB prior to the start of FRIB's scientific research program. Attendees had the opportunity to learn more about FRIB and rare-isotope research before FRIB opened its doors to scientific users from around the world on 2 May. [Read more about FRIB's public event.](#)

IN THE NEWS

Many national and international outlets highlighted FRIB. Below are some highlights from select outlets.

[New U.S. lab to create versions of atoms never recorded on Earth](#) (The Guardian)

[Long-awaited accelerator ready to explore origins of elements](#) (Nature)

[Rare isotopes for the choosing](#) (APS Physics)

[MSU's FRIB: Ready to accelerate discoveries in nuclear physics and applications](#) (American Nuclear Society's Nuclear Newswire)

[Facility for Rare Isotope Beams opens its doors to discovery](#) (Business Telegraph)

[In search of the origin of the elements](#) (ARD, German public radio) – Note: audio interview in German

[A liquid method to prepare ion beams](#) (Physics)

For more FRIB "In the News" items, visit the [FRIB website](#)

UPDATE YOUR INFORMATION IN FRIB ALUMNI DIRECTORY

The FRIB Laboratory has an [alumni directory form](#) to communicate with laboratory alumni and to track their career paths. Please take a couple of minutes to fill out or update the form by answering a few simple questions. This will ensure our records are accurate and build a more reliable network we hope you find useful. Visit the online [alumni directory form](#) to enter and update information.

WE WANT TO HEAR FROM YOU

Send us your story ideas! Let us know what you are up to! We want to feature at least one story each issue about you —our alumni, so please email us story tips about you and/or your fellow alumni to alumni@frib.msu.edu. Tell us about discoveries, business ventures, partnerships, awards, and other professional developments, and we may feature them in a future issue. Also let us know if there are other types of laboratory updates you'd like to see in future alumni issues.

LOOKING AHEAD

24-29 July 2022 International Conference on Nuclear Data for Science and Technology

8-10 August 2022 Low Energy Community Meeting

12 August 2022 Celebration of 40 Years of NSCL Science

22 August 2022 DOE OPA HRS Review

For more upcoming FRIB events, visit the [FRIB website](#).

THANK YOU TO OUR CONTRIBUTOR THIS ISSUE: Ragnar Stroberg

The FRIB Laboratory Update for Alumni is published by the FRIB Laboratory and distributed via email. Please email questions, comments, address changes, story tips, contributions, or requests to unsubscribe from this list to alumni@frib.msu.edu. If you are in touch with other FRIB alumni, please forward this to them and invite them to contact us to subscribe.



Facility for Rare Isotope Beams | Michigan State University | 640 South Shaw Lane | East Lansing, MI 48824 | (517) 355-9672 | frib.msu.edu

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](#).