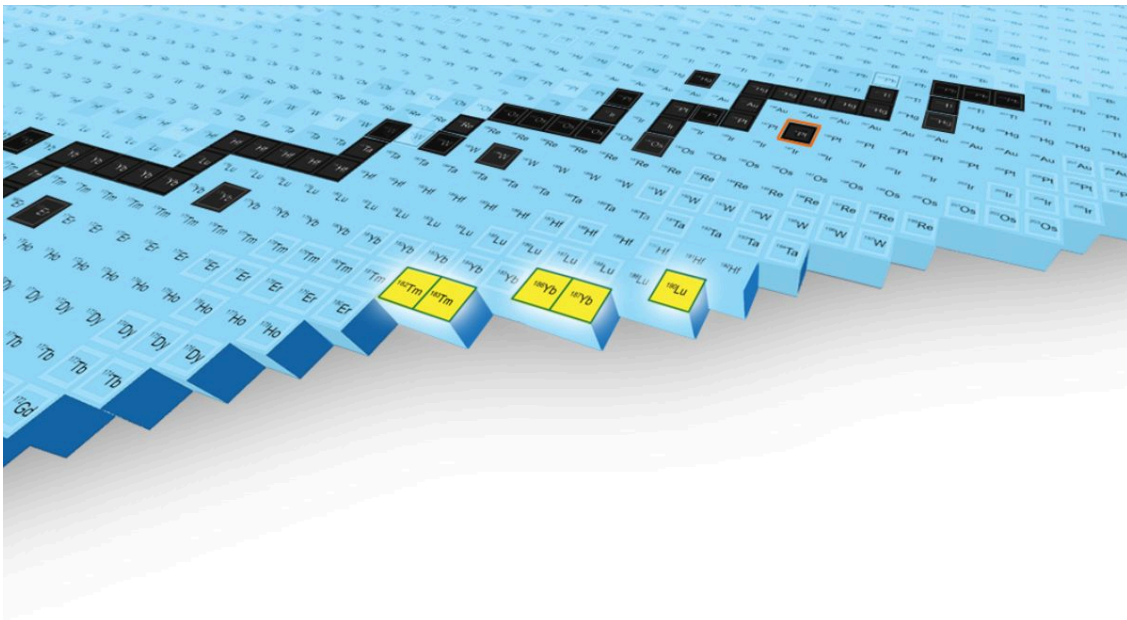


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FRIB creates five new isotopes



In creating five new isotopes, an international research team working at FRIB has brought the stars closer to Earth. The isotopes were reported 15 February in *Physical Review Letters*.

These represent the first batch of new isotopes made at FRIB, and show that FRIB is nearing the creation of nuclear specimens that currently only exist when neutron stars crash into each other.

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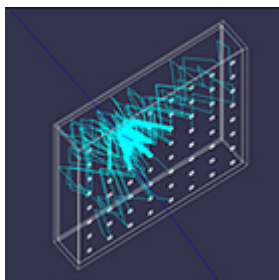
[Physics.aps.org](#), [Phys.org](#), and [SPACE.com](#) via Yahoo!News also report, while Lansing local TV stations [WILX-TV](#) and [WLNS-TV](#) provided broadcast coverage.

FRIB Project team receives Secretary of Energy's Achievement Award

The FRIB Project team received a U.S. Department of Energy's (DOE) Secretary of Energy Achievement Award—DOE's highest form of employee recognition for achievements—at the annual Secretary's Honor Awards ceremony held 20 February. [READ MORE](#)



FRIB users to construct next-generation neutron detector



A multi-institutional project to construct a next-generation fast-neutron detector unlike any other in the world is expected to be completed at FRIB by 2026. Researchers and students at eight U.S. colleges and universities are participating in this pioneering effort, which aims to build a modular plastic scintillator array for fast neutrons. [READ MORE](#)

News

FRIB highlighted by DOE-SC – The U.S. Department of Energy Office of Science (DOE-SC) posted a highlight titled “[Long-Lived State in Radioactive Sodium Discovered at the Facility for Rare Isotope Beams](#)” about the discovery of an unusually long-lived excited state, or isomer, in radioactive sodium-32. DOE-SC posts about 200 published research findings annually, selected by their respective program areas in DOE-SC as publication highlights of special note.

‘Distinguished Trailblazers in the Sciences’ competition winners recognized at virtual ceremony – FRIB, MSU, and the Thomas Jefferson National Accelerator Facility honored the winners of the “Distinguished Trailblazers in the Sciences” competition at a virtual ceremony on 22 January. For the competition, pre-college students created video presentations about

scientists and engineers from minority and marginalized ethnic/racial groups who have excelled or contributed to the fields of nuclear science, accelerator science, and accelerator engineering. [READ MORE](#)

In The News

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

- **SciTech Daily** - [Decoding the universe's DNA breakthroughs from the Facility for Rare Isotope Beams](#)
-

ALUMNI SPOTLIGHT



Jaclyn Schmitt earned a PhD in physics from Michigan State University, and she was at the National Superconducting Cyclotron Laboratory from 2016-2022.

She is currently a research staff member at the Institute for Defense Analyses (IDA).

[READ MORE](#)

Upcoming Events

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

- 12-18 May – [Nuclear Science Summer School \(NS3\)](#)
 - 21-26 July – [Physics of Atomic Nuclei \(PAN\) camp](#)
-

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.



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.

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