





What's new at Fermilab?

Office of Communications Tracy Marc, media relations manager November 18, 2021

Fermilab visit – August 10, 2021

Fermilab Director Lockyer awarded the DOE's Distinguished Career Service Award



Fermilab YouTube video highlighting his accomplishments



MicroBooNE Announcement - October 27, 2021

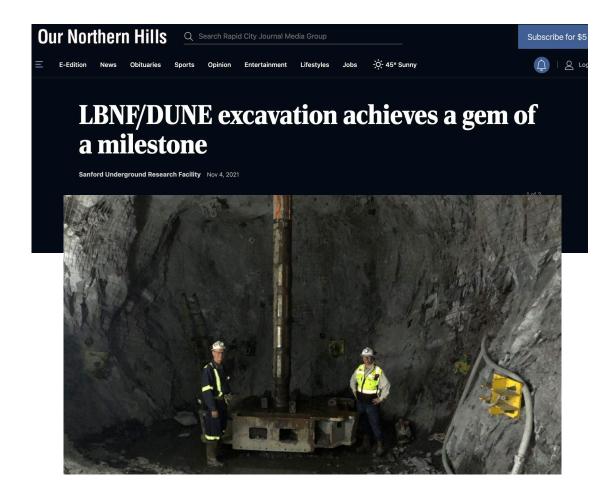
Is there a fourth neutrino?



MicroBooNE experiment's first results show no hint of a sterile neutrino

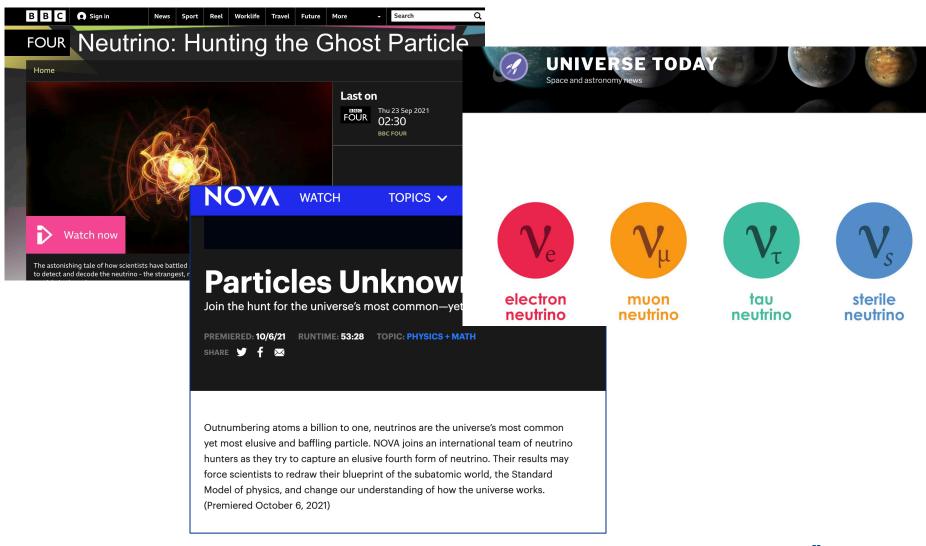


DUNE in the news





MicroBooNE in the news



Fermilab Newsroom

Fermilab scientist Marcela Carena appointed as member of the Argentinian Academy of Exact, Physical and Natural Sciences



In accepting the invitation, the distinguished scientist and head of the lab's Theory Division will join the ranks of notable inductees, such as Nobel laureates Bernardo Alberto Houssay, Luis Federico Leloir, César Milstein and former Fermilab Director Leon Lederman.

Strategic Laboratory Leadership Program expands to labs across the country



The University of Chicago Strategic Laboratory Leadership Program teaches leadership skills to upand-coming staff and scientists at national labs. Launched as a pilot program in 2007 for scientists at Argonne National Laboratory and Fermi National Accelerator Laboratory, this fall, the training initiative kicks off to U.S. Department of Energy laboratories across the country.

Fermilab Director Lockyer awarded the DOE's Distinguished Career Service Award



Nigel Lockyer has received this prestigious award from the DOE's Office of Science in recognition of his outstanding achievement and service to the nation through eight years as the director of Fermi National Accelerator Laboratory.

Over a year later, construction continues to progress on PIP-II Cryoplant Building



A little over a year into construction, the structure of the building that will house the cryogenic equipment for the PIP-II particle accelerator is largely complete.

A minute with Cristián Peña, associate scientist at the Fermilab Quantum Institute



Whether he is on the side of a mountain or working at the Fermilab Quantum Institute, Cristián Peña likes to explore the unknown and tackle new challenges. Although he spends most of his time working on quantum communication systems for FOI, Peña dedicates time to work on the CMS experiment. His work between the two experiments, while different in practice, are conceptually similar

Fermilab sees record performance from next-generation accelerator component



Accelerator experts at three national labs have advanced the next generation of cryomodules, the building blocks of particle accelerators. A prototype built for the high-energy upgrade of SLAC's LCLS-II X-ray laser has advanced the state of the art, packing more acceleration into a smaller distance, and could dramatically improve future accelerators.

From physics to fisheries



Students in the Alaska Native Science & Engineering Program hope to use skills they developed at Fermilab to benefit Indigenous communities.

MicroBooNE experiment's first results show no hint of a sterile neutrino



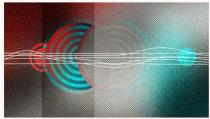


Four complementary analyses by Fermilab's MicroBooNE show no signs of a theorized fourth kind of neutrino known as the sterile neutrino. Its existence is considered a possible explanation for anomalies seen in previous physics experiments.



New stories in









11/09/21

The problem-solver: Cosmic inflation

Just over 40 years ago, a new theory about the early universe provided a way to tackle multiple cosmological conundrums at once.

From physics to fisheries

Students in the Alaska Native Science & Engineering Program hope to use skills they developed at Fermilab to benefit Indigenous communities.

Eyes on the sky
There's no one best way to build a telescope.

10/12/2

Is dark matter cold, warm or hot?

The answer has to do with dark matter's role in shaping the cosmos







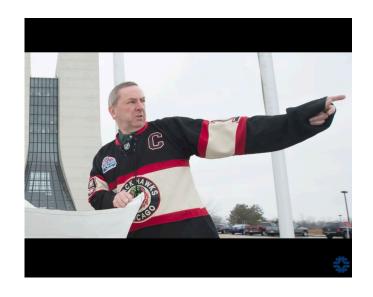


Recent issues:

- Profile on the current Astronomer Royal of Scotland, Professor Catherine Heymans
- Why is our universe flat?
- Two students from Alaska complete their internships remotely, one being a two-time intern.
- Is dark matter cold, warm or hot? The answer has to do with dark matter's role in shaping the cosmos.
- How to train your magnet
- The coevolution of particle physics and computing
- How COVID made physics more accessible



New Fermilab videos on YouTube











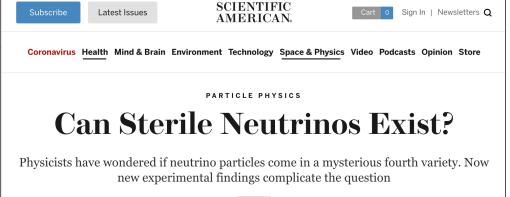
Fermilab in the media

Newsweek

TECH & SCIENCE

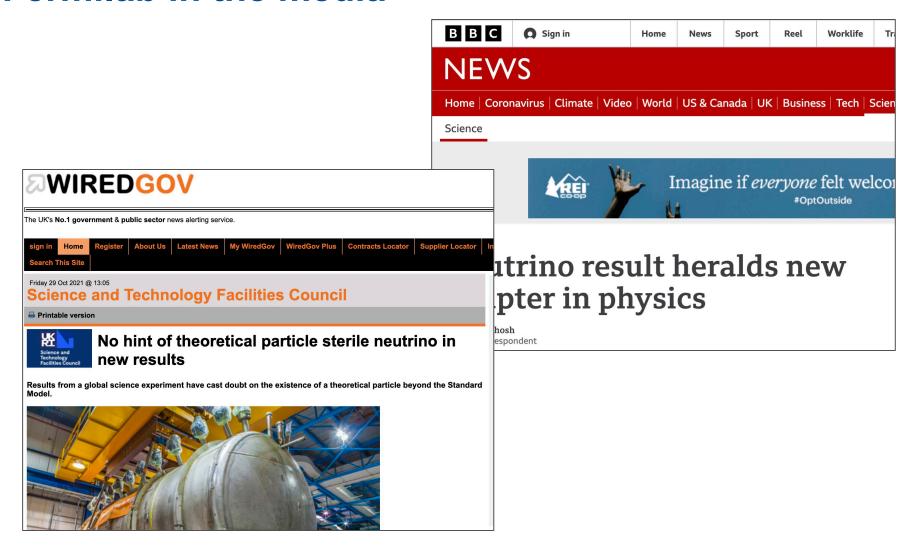
Ghost Particle Explained As Sterile Neutrino Eludes Physicists in Groundbreaking Study







Fermilab in the media



Fermilab people



Pushpa Bhat receives distinguished scientist distinction



Mark Jeffers appointed head of the Facilities Engineering Service Section

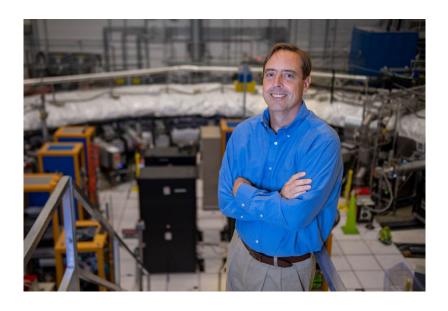
Fermilab scientists receive American Physical Society honors



Fermilab people

Two Fermilab scientists named American Physical Society fellows







Questions

