



# What's new at Fermilab?

Office of Communication

Tracy Marc, media relations manager

November 17, 2022

# New Fermilab leaders



Mayling Wong-Squires,  
chief engineer



Scott Tingey,  
chief operating officer

# New Fermilab leaders

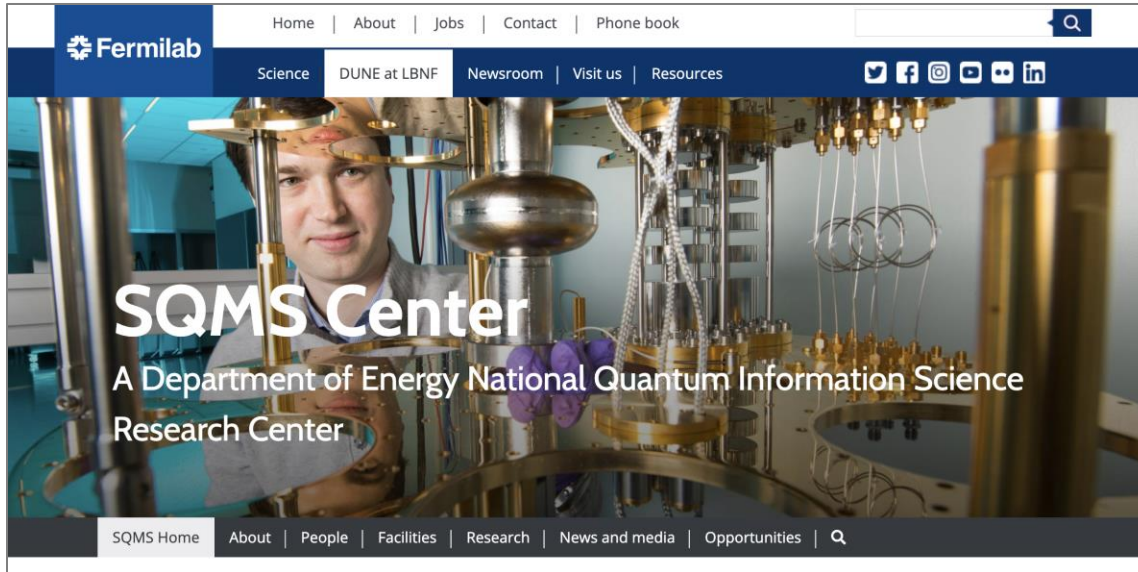


Mayling Wong-Squires,  
chief engineer



Scott Tingey,  
chief operating officer

# Quantum update

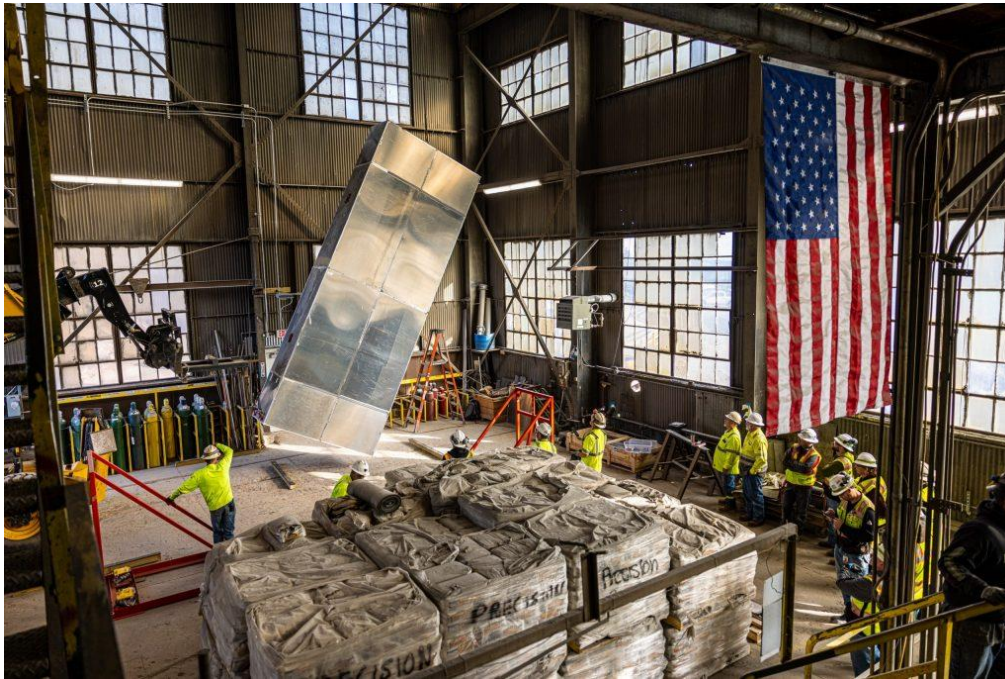


The Superconducting Quantum Materials and Systems Center has a redesigned website

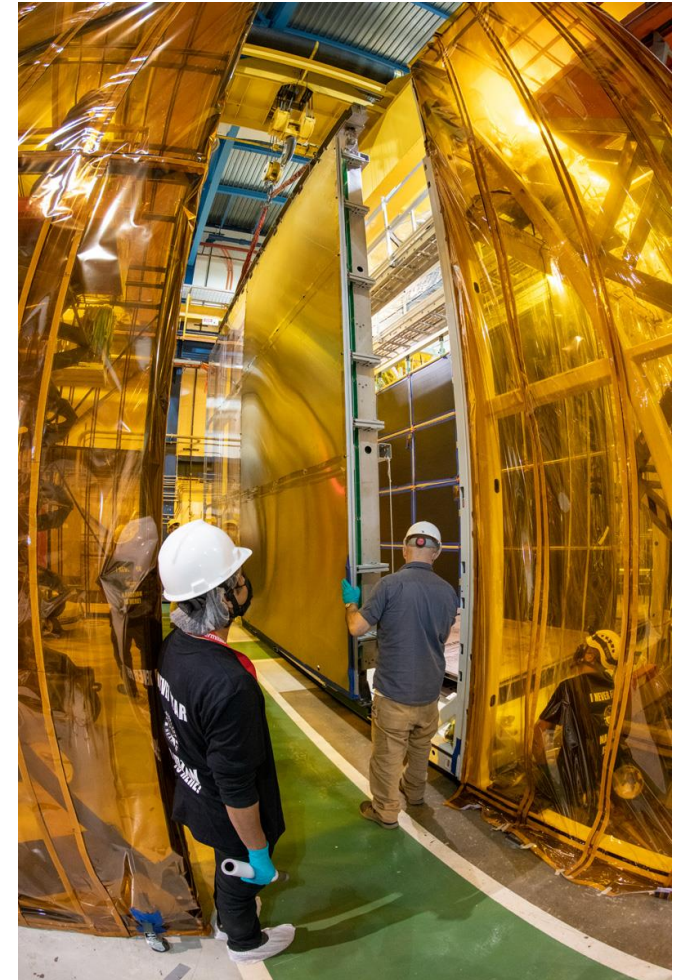


Jens Koch, new deputy director of the Superconducting Quantum Materials

# DUNE update

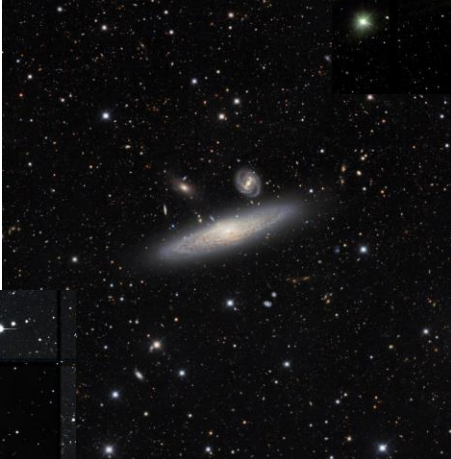
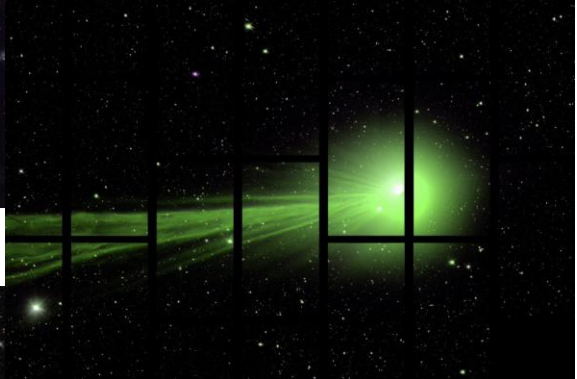


Lead, SD – At the Sanford Lab, the 25-foot long detector component was tested in Europe, then shipped from CERN to South Dakota. Photo: Matthew Kapust, SURF

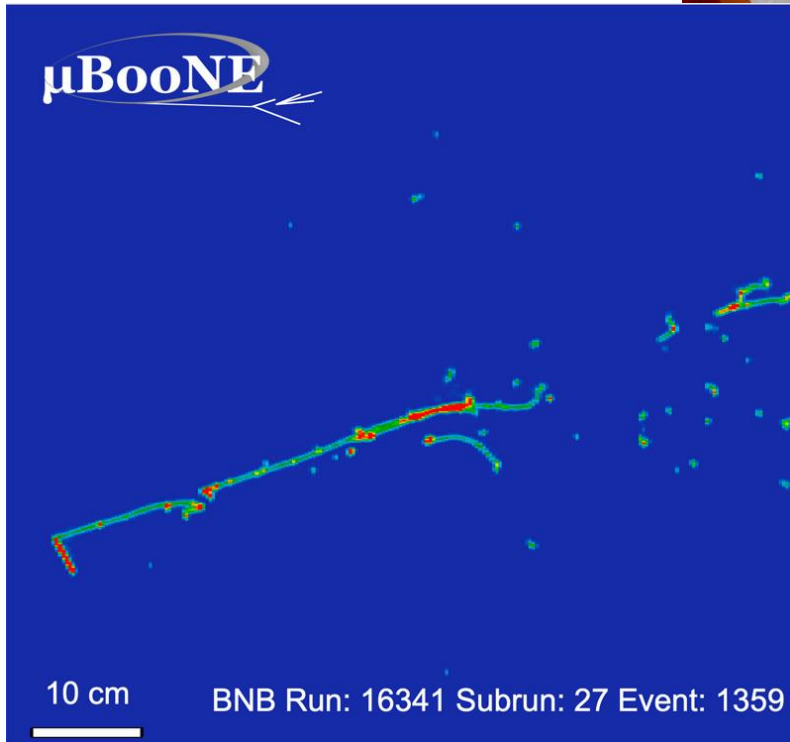


Batavia – Installation of a wire plane in the neutrino detection system for the Short-Baseline Near Detector. Photo: Ryan Postel, Fermilab

# Science news



# Science news



New MicroBooNE analysis takes a closer look at the sterile neutrino

# Fermilab news



Fermilab received funding to keep projects moving to mitigate the rise of project costs as a result of inflation.



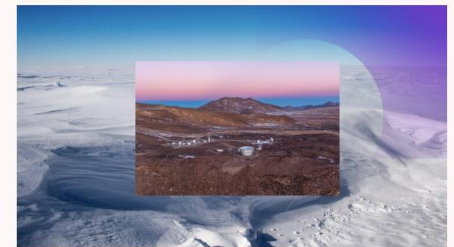
Gina Rameika will oversee all high-energy physics research activities in the United States. Photo: Gina Rameika.



# Fermilab news



National Bison Day, November 2 was declared in 2013.



11/08/22

### Parenting in physics

Scientists discuss the challenges of being caregivers in physics and some ways they've seen the field change for the better.

11/01/22

### How to maintain a physics experiment in a desert

Threats of scorching heat, walls of tumbleweed, and countless critters mean innovation is a must for the facilities manager for LIGO Hanford Observatory.

10/25/22

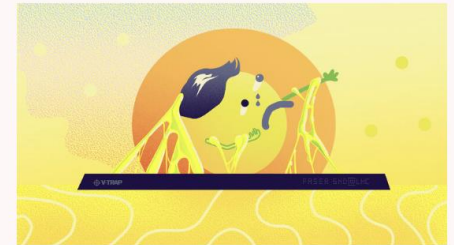
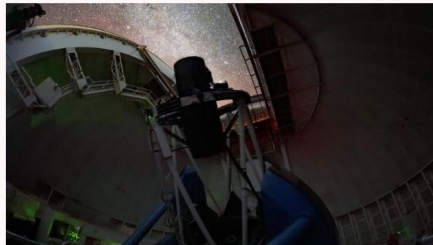
### Physicists work to bring more undergrads into research

Despite challenges, some physics faculty at predominantly undergraduate institutions make research experiences available to students.

10/18/22

### The next stage of cosmic microwave background research

With CMB-S4, scientists hope to connect a sandy desert with a polar desert—and revolutionize our understanding of the early universe.



# The People of Fermilab



Astrophysicist Maria Vincenzi



Newly named American Physical Society  
Mike Albrow and Juan Estrada Fellows



# The People of Fermilab



Hans Johnson

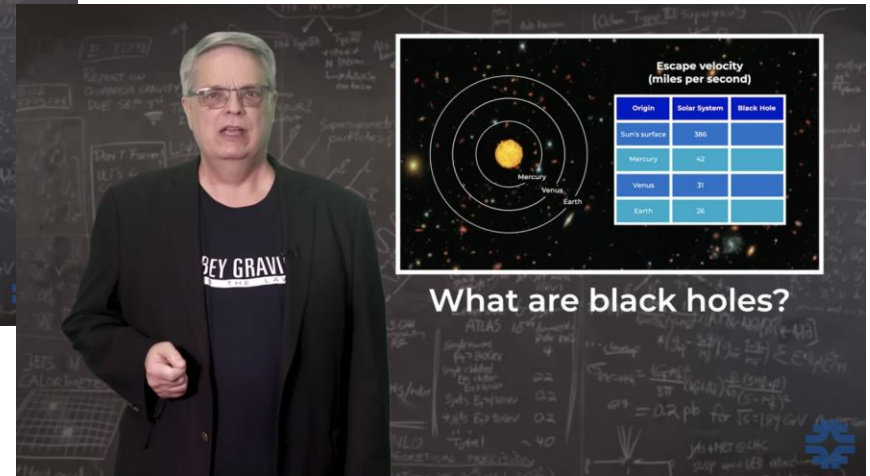
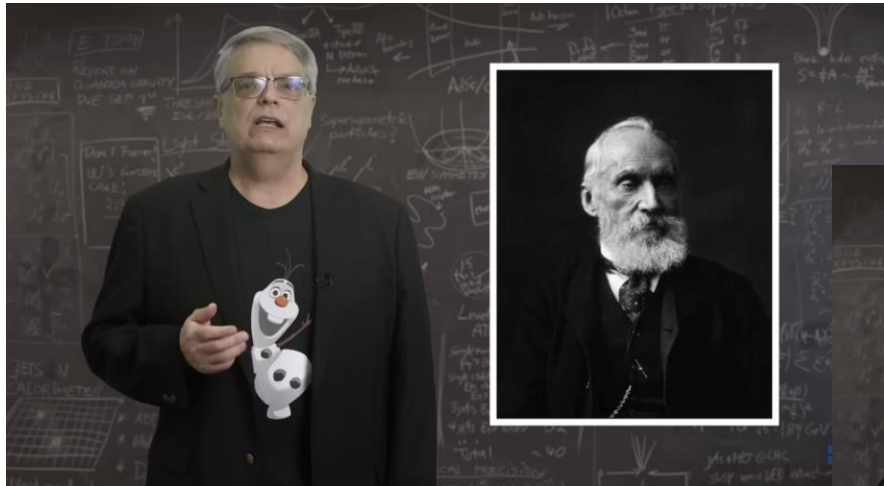


John Smedley



Shreya Sutariya

# New Fermilab videos on YouTube



# Fermilab in the news

Science

## CLASH OF THE TITANS

The United States and Japan are embarking on ambitious efforts to wring a key secret of the universe from the subatomic phantoms known as neutrinos

29 SEP 2022 · BY [ADRIAN CHO](#)

SCIENTIFIC  
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## Rule-Breaking Particles Pop Up in Experiments around the World

Several physics measurements suggest that novel particles and forces exist in the universe

By Andreas Crivellin

# Fermilab in the news

**BIG THINK**

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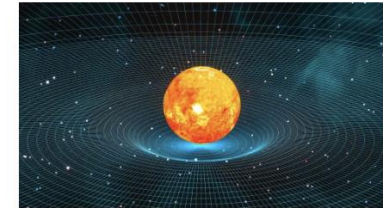
SUBSCRIBE

HARD SCIENCE — OCTOBER 24, 2022

## How fast is gravity, exactly?

Thanks to observations of gravitational waves, scientists were able to settle a longstanding debate over the speed of gravity.

**BIG THINK**



Credit: catalin / Adobe Stock

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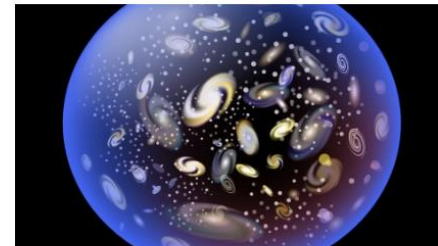
**BIG THINK**



HARD SCIENCE — NOVEMBER 2, 2022

## The Hubble tension: Is cosmology in crisis?

We know the Universe is expanding, but scientists don't agree on the rate. This is a legitimate problem.

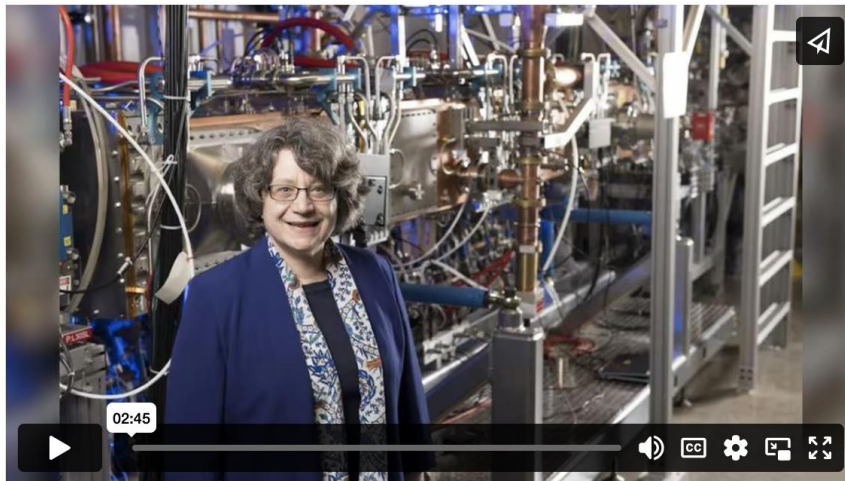


Credit: designua / Adobe Stock

# Fermilab in the news

## CERN COURIER

Reporting on international high-energy physics



[← Back to Naperville News 17](#)

### Lia Meringa Serves as Fermilab's First Female Director

### A view from Fermilab

7 November 2022

Accelerator physicist Lia Meringa describes her career and priorities as new Fermilab director.





# Questions?