



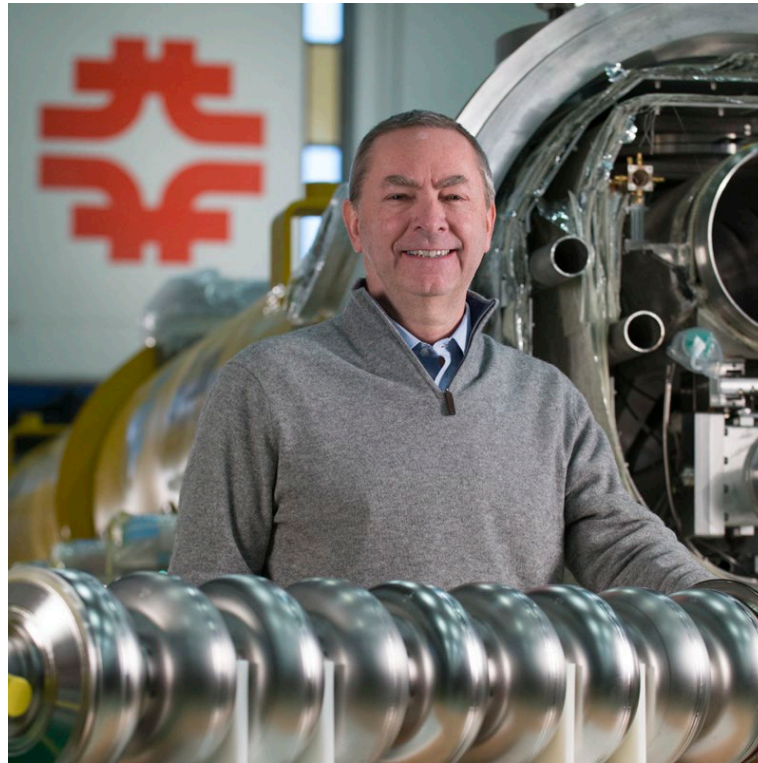
What's new at Fermilab?

Office of Communications

Tracy Marc, media relations manager

January 27, 2022

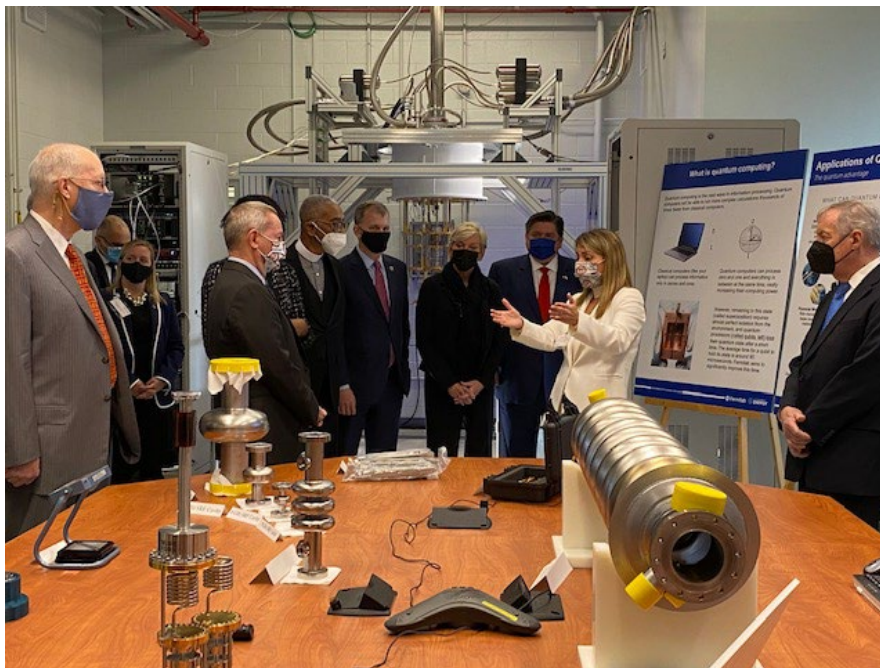
Nigel Lockyer honored by Queen Elizabeth



In the queen's New Year's honors list, Nigel was named Officer of the Order of the British Empire, one of the highest ranks in the nation's order of chivalry.

Secretary of Energy visits Fermilab

December 10, 2021: Secretary Granholm accompanied by Gov. J. B. Pritzker, Sen. Dick Durbin and Reps. Lauren Underwood, Bill Foster, Sean Casten, Marie Newman and Bobby Rush.



DUNE in the news



Sam Zeller joins LBNF/DUNE-US as deputy project director for the near detector

In her new position, Zeller assumes responsibility for realizing the set of three primary detector systems developed by the DUNE collaboration at Fermilab.



Fermilab hosts second public meeting for LBNF/DUNE project

Fermilab people

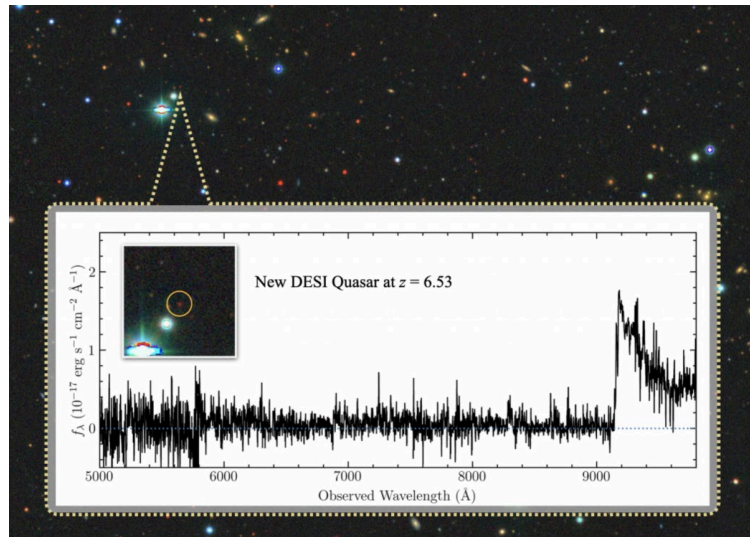


Dark Energy Survey director Rich Kron named American Astronomical Society fellow

Fermilab's Alexander Romanenko wins prestigious 2022 particle accelerator award

News stories

Dark Energy Spectroscopic Instrument (DESI) creates largest 3D map of the cosmos

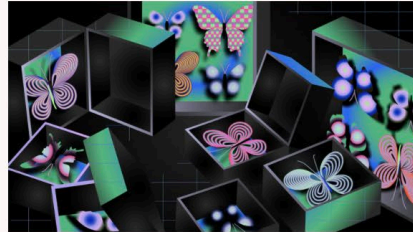




01/20/22

Going beyond the exascale

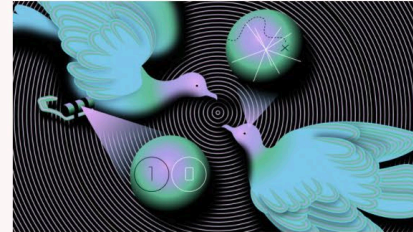
Quantum computers could enable physicists to tackle questions even the most powerful computers cannot handle.



01/19/22

More than one way to make a qubit

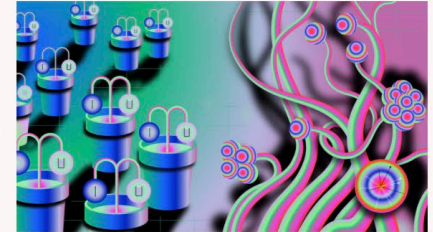
Scientists are exploring a variety of ways to make quantum bits. We may not need to settle on a single one.



01/18/22

What is quantum information?

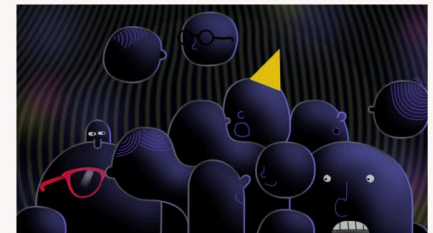
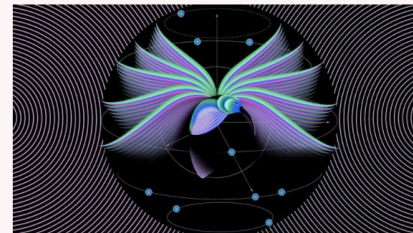
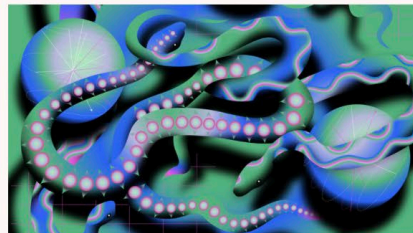
Quantum information breaks the rules of classical information in a way that could allow us to answer questions that a classical computer cannot.



01/13/22

From bits to qubits

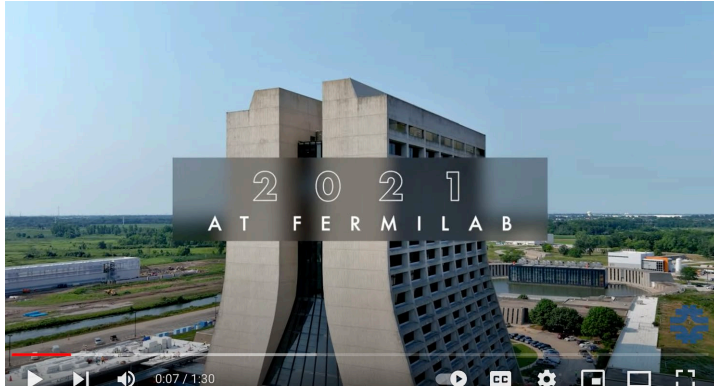
Quantum computers go beyond the binary.



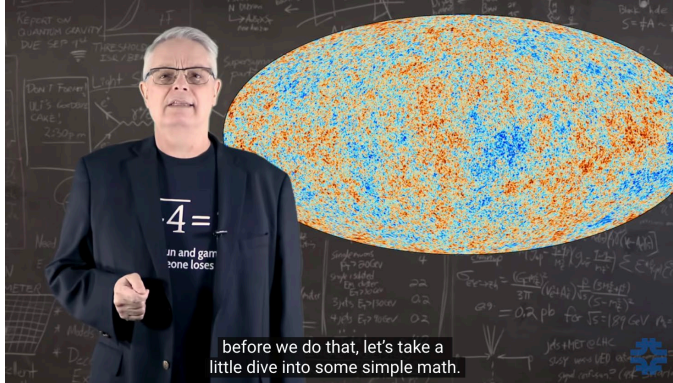
Symmetry magazine posted a series of 12 articles about quantum information science throughout the month of January to explain what the second quantum revolution is all about.

Recent issues:
The quantum squeeze
What is quantum information?
Going beyond the exascale
From bits to qubits
The second quantum revolution
Playing by the quantum rules
Looking at the quantum revolution

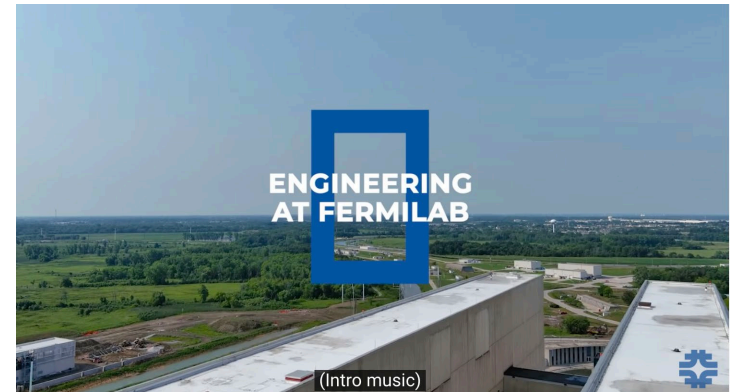
New Fermilab videos



Ten ways Fermilab advanced science and technology in 2021



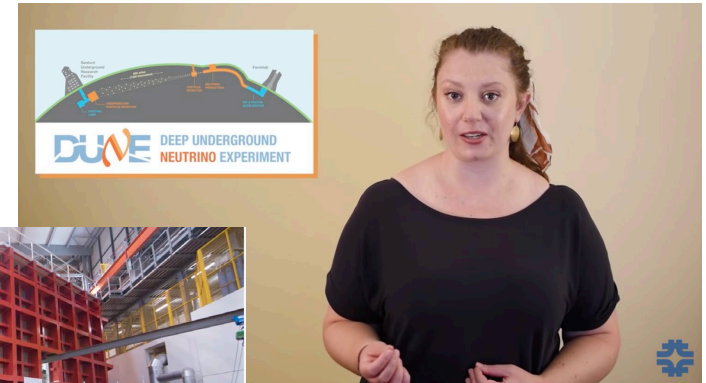
Don Lincoln:
Puzzling Mysteries of the Universe
Secrets of the Cosmic Microwave Background



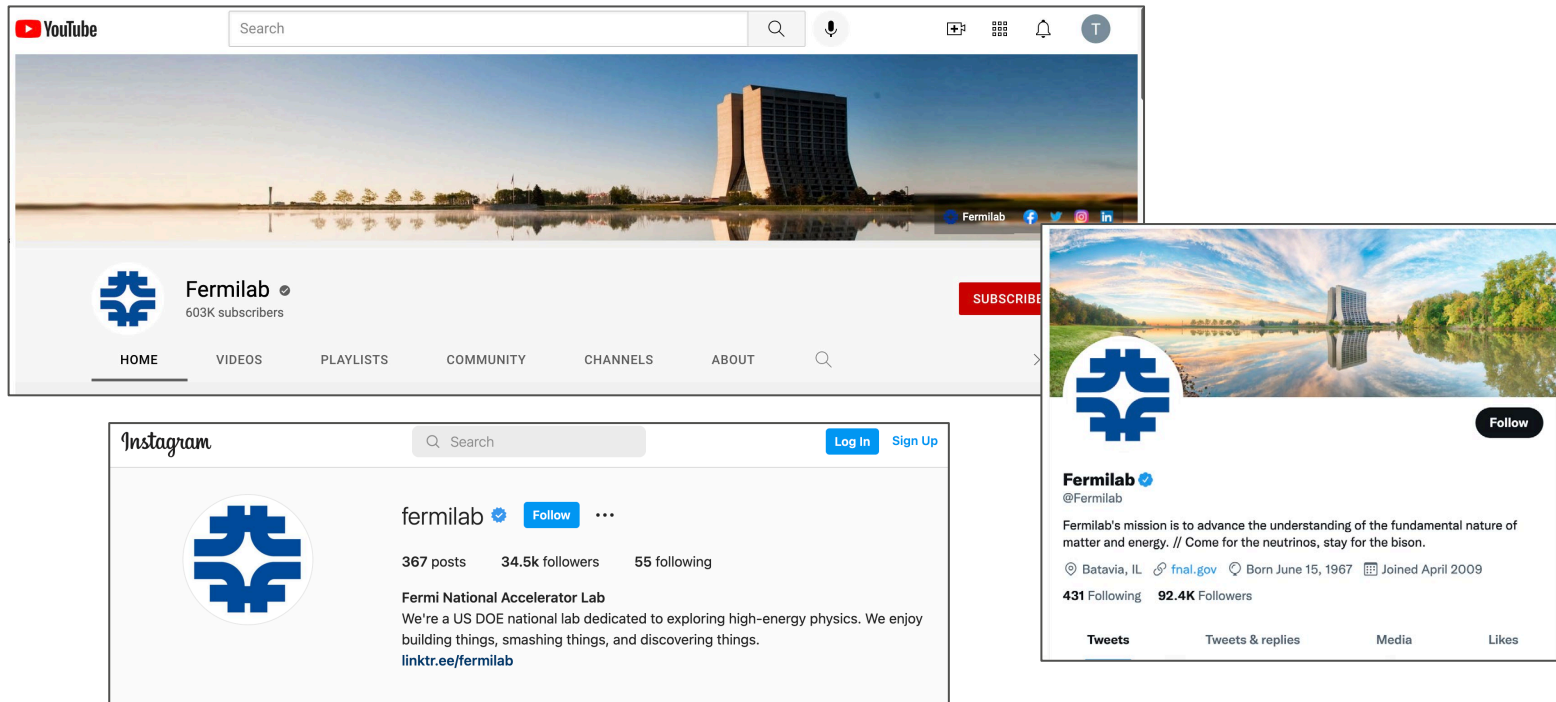
How do Fermilab engineers build big Science?



Even Bananas:
Why do tacos (and the universe) exist?
The road to DUNE



Social Media



Fermilab has **more subscribers** to its social media channels than any other DOE lab.

#1 on Twitter and Facebook and **#2 on Instagram**
Fermilab **YouTube** channel went from 500k to **600k subscribers**.

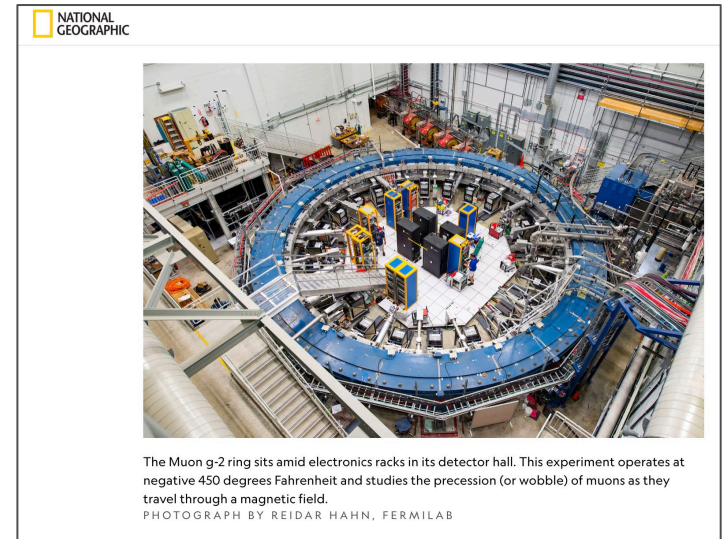
Fermilab in the media

There were **6,447 media stories** with Fermilab mentioned in 2021.

Those stories potentially reached **11.3 billion people**.

The three largest media stories in 2021:

- Muon g-2 in April
- Dark energy survey in May
- MicroBooNE in October



Fermilab in the media



Exploring New Realms of Physics

A heavy particle's magnetic moment goes beyond the Standard Model.

These discoveries from 2021, if true, could shake up science

The science news that shaped 2021: *Nature's* picks

There were 20 media stories written that included Fermilab's Muon g-2 announcement story as part of their year end summary of science breakthroughs in 2021.

Any questions

