



What's new at Fermilab?

Office of Communications

Tracy Marc, media relations manager

March 24, 2022

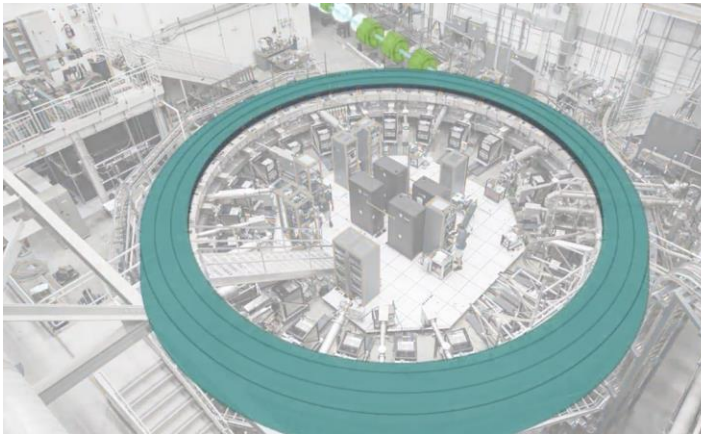
Fermilab visit – new bison camera

A virtual view of the Fermilab bison herd through new bison camera 24/7



<https://www.fnal.gov/pub/about/bisoncam/>

Fermilab visit – 18th annual Family Open House

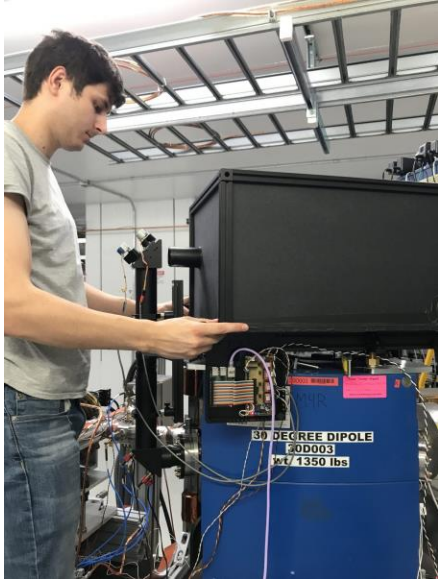


Fermilab news – New SQMS study uncovers impurities in a qubit



The Superconducting Quantum Materials and Systems Center investigates qubits at the atomic level to identify sources of various impurities. By having a deeper understanding of how impurities affect how long a qubit can store information, scientists will be able to figure out how to further improve the performance of quantum computers.

Fermilab people



Fermilab people

Smithsonian Honors Female Scientists With 120 Bright Orange Statues
The [#IfThenSheCan](#) exhibit



Jessica Esquivel





03/15/22

Building for science and society

The career of Elaine McCluskey, who most recently served as project manager constructing the future facility for the Deep Underground Neutrino Experiment, has had a lasting impact.



03/08/22

How to break a theory

When a theory breaks, you learn how to build it better.



02/22/22

Beyond the Standard Model

The Standard Model is one of the most well-tested theories in particle physics. But scientists are searching for new physics beyond it.



02/15/22

What is annihilation?

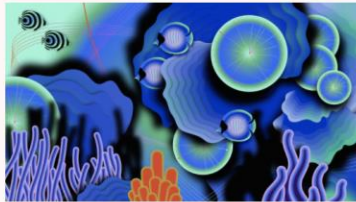
In particle physics, "annihilation" is a transformation.



02/08/22

Jim Gates gives back

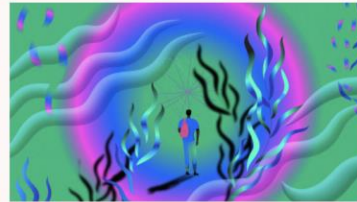
National Medal of Science Recipient Sylvester James "Jim" Gates, Jr. has published multiple papers on theoretical physics with undergraduate and high school students.



02/01/22

Building the quantum workforce

Engineers, physicists, computer scientists and more are needed for the second quantum revolution.



01/27/22

#BlackInQuantum

Black scientists have played important roles in the history of quantum physics. In this growing area of specialization, there's an opportunity to continue that legacy.



01/27/22

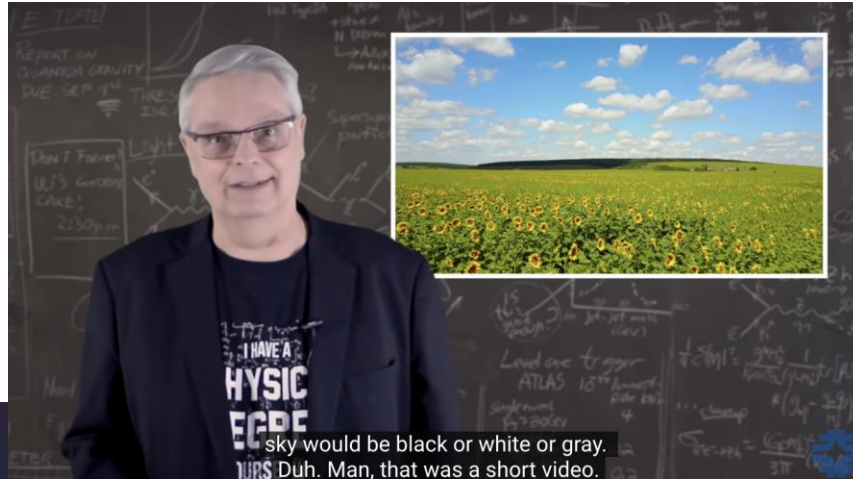
The work of Elmer Imes

Physicist Elmer Imes' careful work to capture the spectra of molecules made clear the worth of the theory of quantum mechanics.

Recent issues:

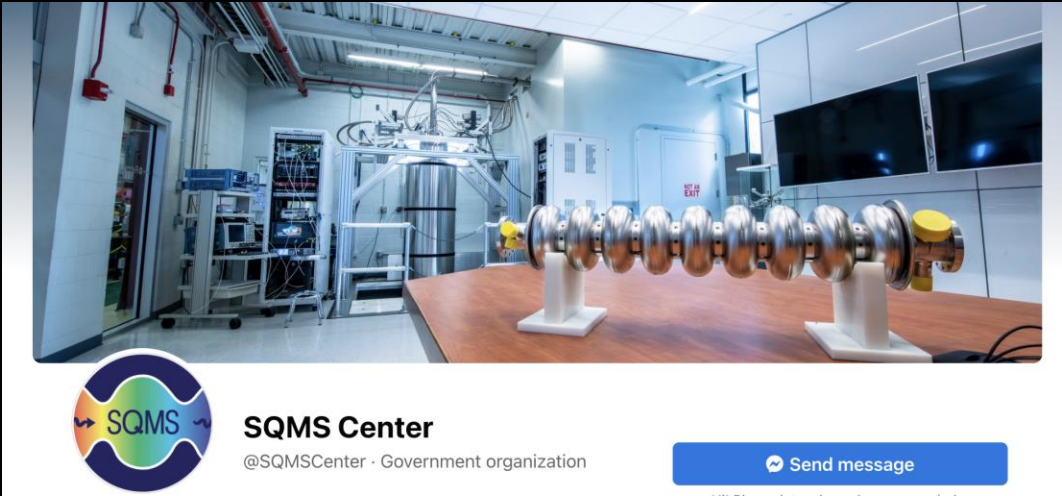
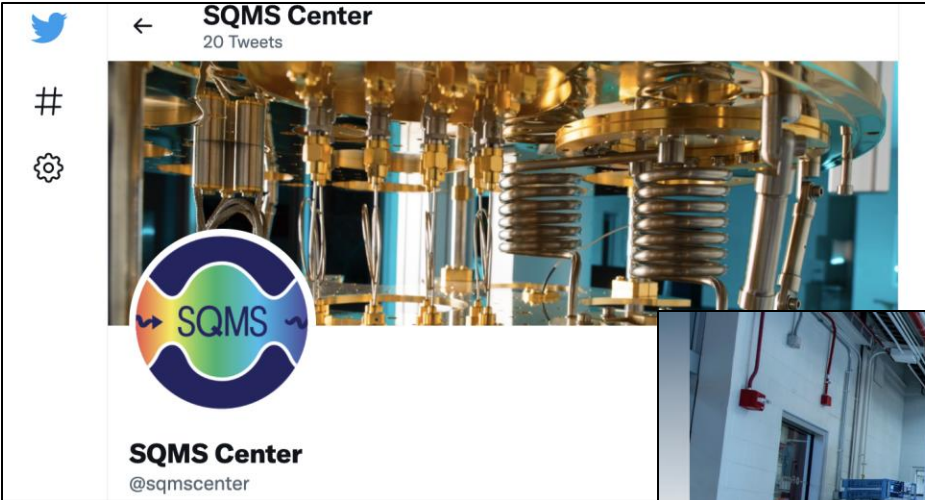
- The career of Elaine McCluskey, project manager constructing the future facility for DUNE
- When a theory breaks, you learn how to build it better
- The Standard Model in particle physics and how scientists are searching for new physics beyond it
- In particle physics, "annihilation" is a transformation
- National Medal of Science Recipient Sylvester James "Jim" Gates, Jr.
- Engineers, physicists, computer scientists and more are needed for the second quantum revolution
- Black scientists' important roles in the history of quantum physics and the growing area of specialization, to continue that legacy
- Physicist Elmer Imes' careful work on the theory of quantum mechanics

New Fermilab videos on YouTube



SQMS news

The SQMS has launched social media accounts at @SQMSCenter on Facebook, Instagram, and Twitter



Fermilab in the news

Government Scientists to Scan Great Pyramid With Cosmic Rays to Find Secrets

Individual artifacts might be detectable with an advanced telescope that captures particles made in outer space.



By Becky Ferreira

March 16, 2022, 8:00am [Share](#) [Tweet](#) [Snap](#)



THE GREAT PYRAMID. IMAGE: BRUCE YUANYUE BI VIA GETTY IMAGES

Newsweek



Home > Tech Takeaway

March 07, 2022 06:00 AM

Getting to know a Fermilab physicist once honored by President Obama

Anna Grassellino builds big particle accelerators to smash atoms and study the minuscule particles that are created, a process that helps us explain the world around us.

LAURA BIANCHI

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Anna Grassellino

Anna Grassellino is a physicist, senior scientist and director of the Superconducting Quantum Materials & Systems Center at the U.S. Department of Energy's Fermilab in Batavia. In 2017, she was awarded the Presidential Early Career Award for Scientists & Engineers by then-President Barack Obama. Grassellino, 40, and her husband live in Batavia with their three children, ages 5,

Fermilab in the news

An artificial sun briefly blazed under the English countryside. One day, it could change everything

Opinion by Don Lincoln

Updated 1:35 PM ET, Fri February 11, 2022



PIP-II: An international effort breaking new ground in particle physics



An artist's rendering of the Proton Improvement Plan II accelerator complex that is scheduled to be complete by 2028. PIP-II will power the most intense high-energy neutrino beam on an 800-mile journey from Illinois to South Dakota.

Lia Merminga, Project Director of PIP-II, explains the progress made in the major PIP-II enhancement to the Fermilab accelerator complex.

CHICAGO'S AFTERNOON NEWS

You can now watch the Fermilab bison 24/7!

by: [Curtis Koch](#)
Posted: Mar 2, 2022 / 06:29 PM CST
Updated: Mar 2, 2022 / 06:29 PM CST

QUESTIONS

The word "QUESTIONS" is written in large, white, 3D block letters with a slight shadow. It is centered and surrounded by a dense, colorful collage of question marks and geometric shapes. The question marks are in various colors including blue, yellow, green, pink, and orange. The geometric shapes include circles, squares, and triangles in the same color palette. The overall composition is vibrant and visually busy.