



What's new in Fermilab news?

Lauren Biron

Fermilab Office of Communication

1/28/21

First things first: bison



2020 accomplishments



PIP-II gets CD-2



D

la Repubblica

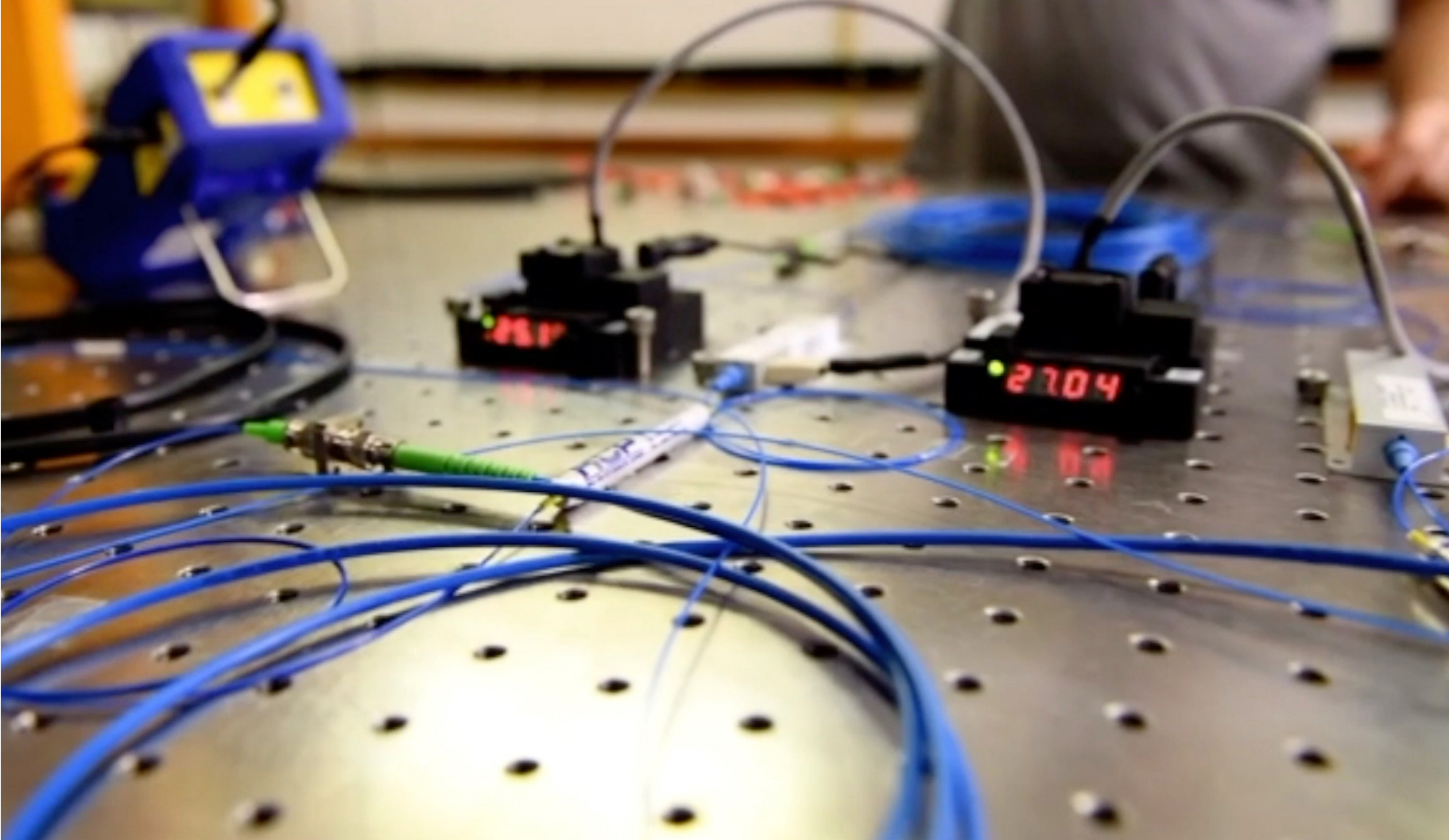
LA DONNA DELL'ANNO 2020

ANNA GRASSELLINO
Ingegnere elettronica, 39 anni

Sta progettando il computer quantistico più potente del mondo. Per fare luce sulla materia oscura. «Credo nella mia squadra. Niente compromessi, solo le nostre idee»



Quantum teleportation



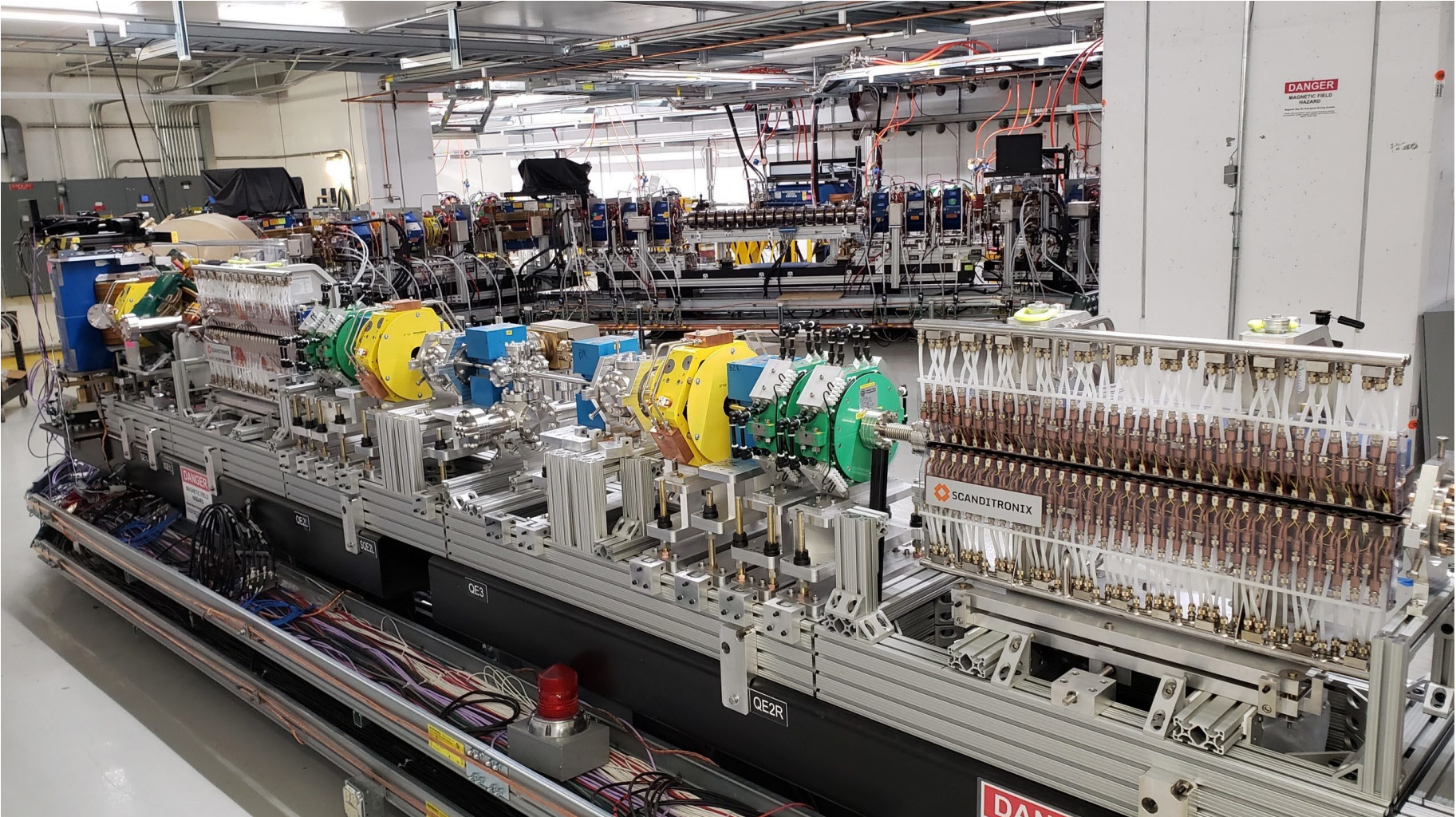
2021 - DES Data Release 2



Machine learning for accelerators



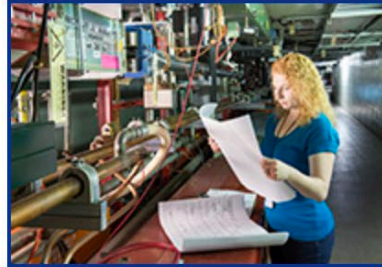
Coollest beams in town



Coming up – Virtual Open House!



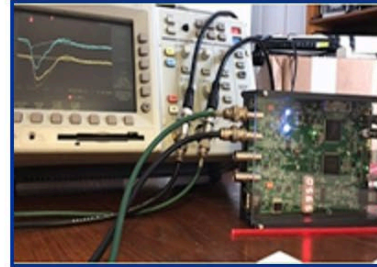
Science at Fermilab
(10:00 AM)



Classroom Visit:
Mechanical Engineer

Priority registration for teachers

(11:00 AM)



Cosmic Ray Lab
(1:00 PM)



Classroom Visit:
Scale of the Universe

Priority registration for teachers

(2:00 PM)



Fermilab's Bird Monitoring:
Guiding Stewardship of the Land

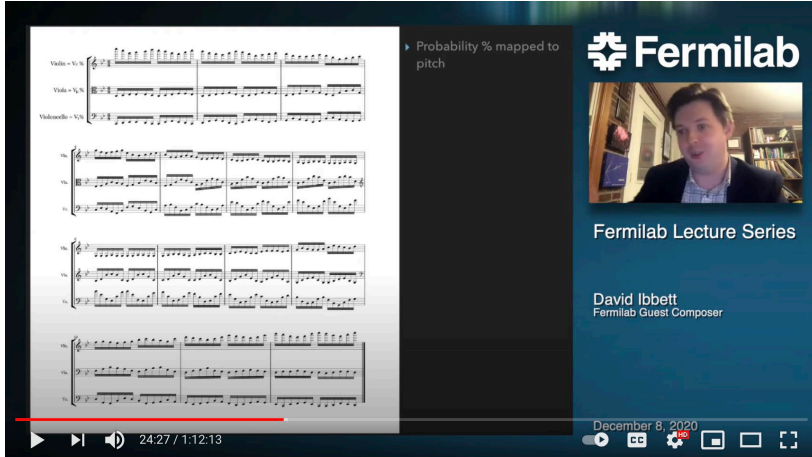
(4:30 PM)



International Women in Science:
Women of Fermilab

(7:30 PM)

Videos



Probability % mapped to pitch

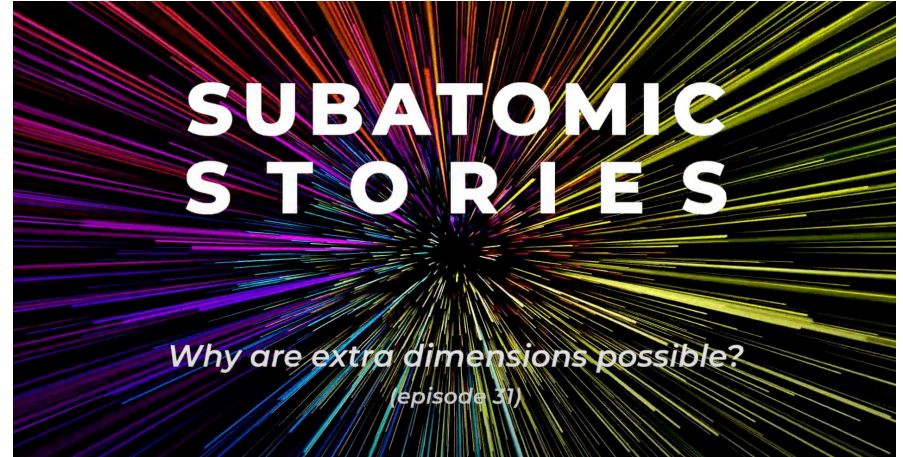
Fermilab

Fermilab Lecture Series

David Ibbett
Fermilab Guest Composer

December 8, 2020

24:27 / 1:12:13



SUBATOMIC STORIES

Why are extra dimensions possible?
(episode 31)



DR. JESSICA ESQUIVEL
PARTICLE PHYSICIST

MISSION UNSTOPPABLE
AN ENERGY CELEBRATION

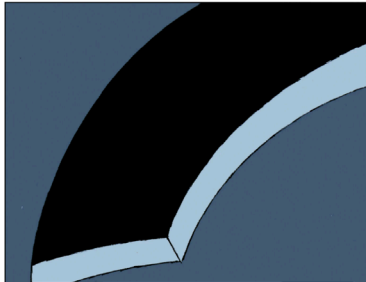


Kirsty Duffy
PHYSICIST, FERMILAB

The New York Times

Outer Space Just Got a Little Brighter

The universe is not as black as astronomers once thought.

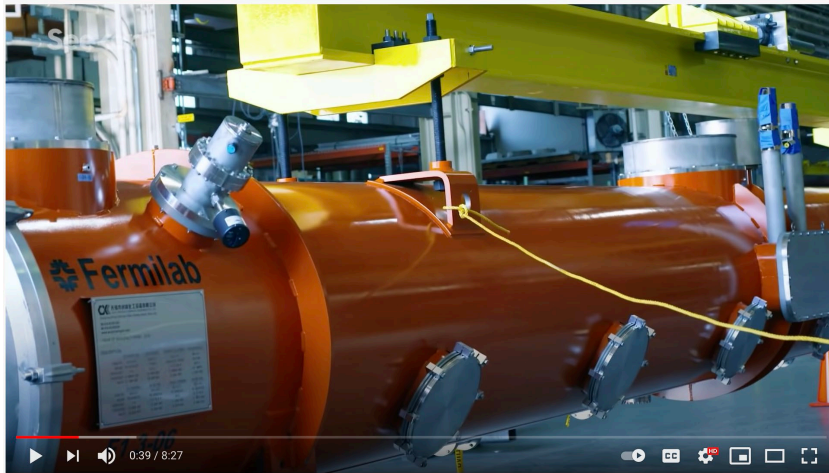


PHYSICS

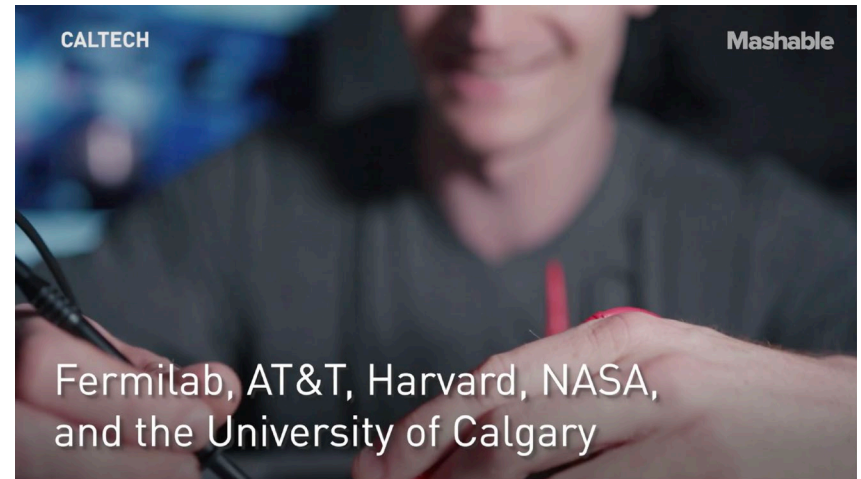
Physicists Achieve Best Ever Measurement of Fine-Structure Constant

Three times more precise than the previous record-holding determination, the result closely agrees with theoretical predictions but could still reveal pathways to new physics

By Dhananjay Khadilkar on December 16, 2020



#laser #xray #technology
This Powerful X-Ray Laser Can See the Invisible World



In the News

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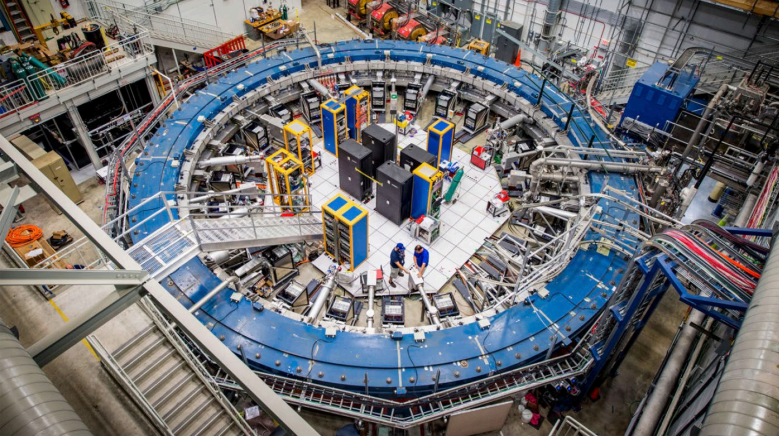
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As muons race around a ring at the Fermi National Accelerator Laboratory, their spin axes twirl, reflecting the influence of unseen particles. FERMILAB NATIONAL ACCELERATOR LABORATORY

The cloak-and-dagger tale behind this year's most anticipated result in particle physics

By [Adrian Cho](#) | Jan. 27, 2021, 1:30 PM


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Dark Science: The search for dark matter, cosmic inflation and other mysteries from the beginning of time

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Questions?

