

Fermilab Community Advisory Board

May 23, 2019 Meeting Minutes

Members attending: Larry Brenner, Paul Egeland, Chris Faber, Jim Gebhardt, Leah Goodman, Ellen Huxtable, Ewa Jodlowska, Denis Kania, Dean Kilburg, Tim Klaus, Britta McKenna, Ted Mesiacos, Crystal Porter, Mike Salazar, Arnolfo Santoro, Ray Stachowiak, Alexandra Tsang, Thomas VanCleave

Fermilab/DOE personnel attending: Kim Mazur, Tim Meyer, Kurt Riesselmann, Cherri Schmidt, Stephanie Unruh

Welcome

Kurt Riesselmann

Innovation and Tech Transfer at Fermilab

Cherri Schmidt

Overview and pitches for four innovation projects

Cherri Schmidt gave an overview of tech transfer at the lab. After her presentation, four teams of Fermilab scientists and engineers, who had just completed a tech transfer course at the lab, gave short presentations on the innovations they have made and how they might have applications beyond the lab.

A discussion followed the presentation, and people commented on the fact that Fermilab is a single-program laboratory and how Argonne, a multi-program laboratory, has more technology closer to commercialization. Fermilab has built accelerators for hospitals and other labs but have not sold products as it is not part of the lab culture. There are scientists on one side, industry on the other, and Fermilab hopes to identify more projects to bring the two sides together.

Lab News

Kurt Riesselmann

Presentation linked in agenda

- Pre-excavation work in South Dakota is in full swing and site prep work for PIP-II accelerator is underway.
- In April the annual STEM Career Expo brought in about 100 organizations motivating students to study engineering, medicine, science, and more.
- In May the lab hosted the Dare to Dream STEM conference for Latina middle schoolers and parents.
- Fermilab scientists are part of the team of astrophysicists who made headlines when they announced that they had captured the first image of a black hole. The measurement was by a network of seven telescopes, they took all the data and combined the data, one of the seven is in the South Pole Telescope, managed by the University of Chicago, and Fermilab helped build an upgrade to the camera.

- Fermilab received two project management awards from DOE for the Muon g-2 and utilities upgrade project.
- Spring is here and the baby bison are arriving!