Fermilab C ENERGY Office of Science



Fermilab Users Meeting Report

Jane Nachtman UEC Chair (University of Iowa) Fermilab SAC meeting 25 July 2024

57th Fermilab Users Meeting INSPIRATIONS FROM P5

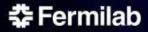
July 9-12, 2024

Learn, connect and collaborate:

- Reception
- Poster session
- Panel session
- URA honorary awards session
- Festa Italiana



Register today: indico.fnal.gov/event/64626





Fermi Research Alliance us







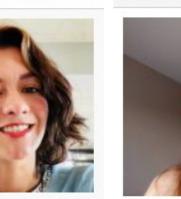
2024 Users Meeting Organizers

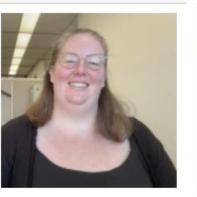


















UEC subcommittee for Users Meeting -- Mary Ann Cummings and Prabjhot Singh

Much effort from Stephany Unruh (Users and Affiliates Engagement Office)!

Anne Ferguson, conference office, Directorate,AV, etc etc

Also helped by the entire UEC, FSPA, and URA



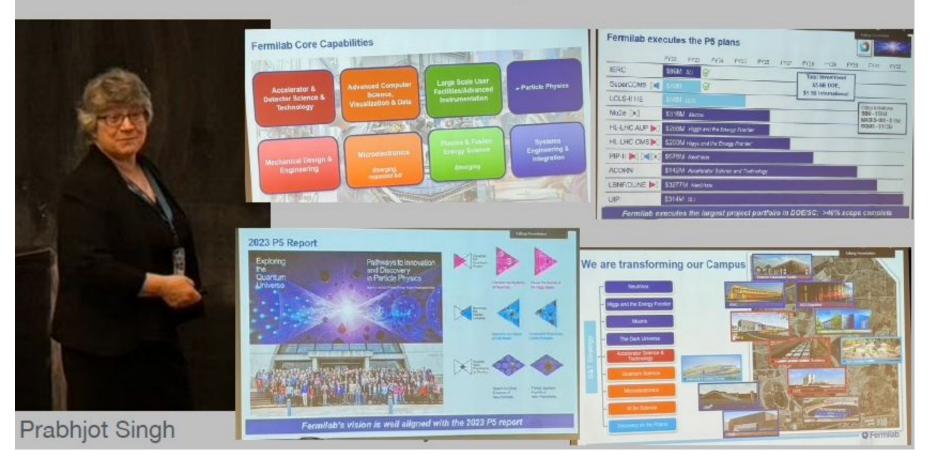
New Perspectives and Festa Italiana lead off the week

- FSPA organizes New Perspectives, conference for students and postdocs -- July 8-9
- Festa Italiana -- evening of July 9th, organized by Marco Mambelli and Donatella Torretta
- Fermilab Users Meeting -- July 10-12
 - 268 registered participants
 - highlights:
 - Fermilab Directorate Town Hall
 - Poster session
 - Colloquium/keynote Chris Quigg
 - Congressman Bill Foster, Gina Rameika from DOE
 - Tours of experimental areas: g-2, mu2e, Dark Matter and Dark Energy Detector area (IERC), Accelerator Development Lab (IOTA), SBND, SQMS Quantum Computing Lab (IARC)

The following slides are borrowed from Prabjhot Singh, one of the UEC organizers of the Users Meeting

Started off with a report from Director Lia Merminga

Welcome & Director's Report





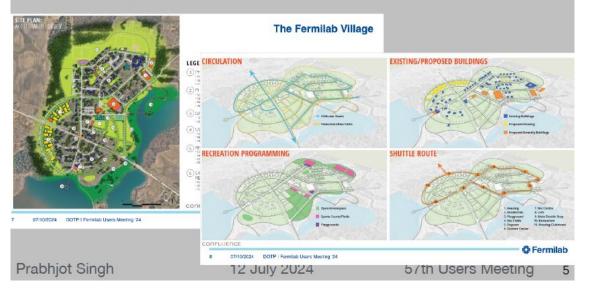
Users and Affiliates submitted questions for the Directorate

Town Hall with the Directorate



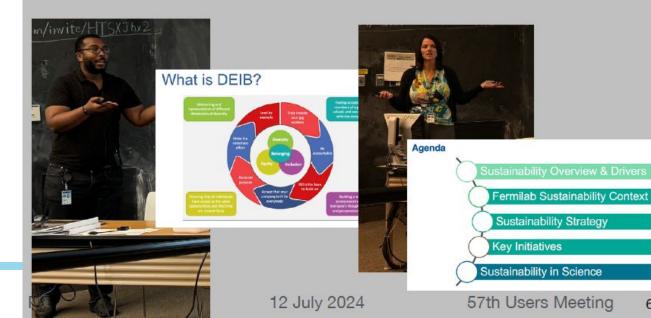


Discovery on the Prairie



General Interest talks on Discovery on the Prairie, EDI, Sustainability

Fermilab Efforts in EDI & STEM and Sustainability



Survey of Fermilab Experiments, Centers, Divisions



Elements of the Fermilab Computing Strategy

cryogenic detectors

quot-based DM detection Now transitioning to a dedic for NR culturation

and more





ers Meeting C Fermiab

Poster Session with Reception



Posters were judged, with cash awards provided by URA

Users Meeting Poster Session Winners:

- 1st Place: Diego Andrade (Demonstrating MeV-Scale Physics Capabilities of Large Neutrino LArTPCs with Ambient Blip Activity in MicroBooNE)
- 2nd Place: Luis Pelegrina Gutlérrez (Charged current single pion production on SBND)
- 3rd Place: Paloma Rodriguez Thorne and Rebecca Gonzalez (co-presenters) (*TinyTPC: A Test* Stand for LAr Doping)

URA Awards for Staff/Engineer, Early Career, Postdoc, and Graduate Student Achievement



awards presented by John Mester, URA President



pecial Address: Congressman Bill Foster



Congressman Bill Foster, and DOE's Gina Rameika

Department of Energy Future Outlook

Colloquium by Chris Quigg, retrospective on Fermilab's past and how it shapes the future



Office of High Energy Physics at a Glance FY 2024 Enacted: \$1.2B



Largest Supporter (~85%) of Funding at >180 Institutions, Particle Physics in the U.S. including 12 DOE Labs







[Snowmass, July 2022, Seattle] Over 1,120 Ph.D. Scientists and 515 Grad Students Supported

[Fermilab Accelerator Complex] Over 2,345 Users at **2** SC Scientific Facilities



'30% of Research to Universities



36%, \$426.3M



Vera Rubin Observatory, Chile) **Facility Operations:** 29%, \$348.5M





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Thanks to Fermilab administration and URA for their support !

Acknowledgments





UEC 2023-24 Members





Conclusions

- The 57th Annual Fermilab Users Meeting was a success, thanks to the support of Fermilab and URA, and the hard work of many people.
- Registration and in-person attendance was a bit lower than we would have liked. We provided a zoom connection, which may contribute to having fewer people in the room.
- Attendance has declined in recent years, never bounced back after a few remote years.
- what can we do to improve attendance next year
 - communicate more with FNAL partners to advertise the meeting
 - communicate through experiments' spokespersons
 - do better to discourage other meetings during the Users Meeting
 -- people just have too many meetings to attend
 - lingering perception that site access is difficult -- it has gotten much easier, needs more advertisement (we had SASC talk)
 - we welcome suggestions!!!

