

Fermilab Community Advisory Board

July 26, 2018 Meeting Minutes

Members attending: Leah Goodman, Larry Brenner, Alex Tsang, Ellen Huxtable, Tony Inglese, Ray Stachowiak, Arnolfo Santoro, Jim Gebhardt, Paul Egeland, Jenn Wilson, Britta McKenna, Debra Swinden, Gabby Hernandez, John Watts, Carrie Garstecki, Sydney Jordon, Crystal Porter

Fermilab/DOE personnel attending: Nigel Lockyer, Lia Merminga, Kurt Riesselmann, John Anderson, Mark Bollinger, Pete Siebach, Teri Dykhuis, Rick Hersemann, Rob Scott, Steve Dixon

Welcome and lab news

Kurt Riesselmann

- Signing of agreement between Italy and US DOE on neutrino research
- Barrel with sulfuric acid sprang a very small leak; 5 fire departments came on site to assist; nobody injured, no environmental impact; news media reported on incident.
- MiniBooNE collaboration announced new results and they are great news for the discovery potential of our new short-baseline neutrino experiments, which will search for a 4th type of neutrino.
- DOE granted CD-1 approval to our new particle accelerator, known as the PIP-II project

Construction of PIP-II accelerator project and plans for its environmental assessment

Lia Merminga

- Why a new particle accelerator? – Neutrinos are pretty cool. Need more of them for our experiments. PIP-II will make that happen.
- Particle physics is global...and so is the PIP-II upgrade to the Fermilab proton accelerator complex
- PIP-II will deliver the world's most intense beam of neutrinos
- PIP-II has a mature, validated technical design
- PIP-II will break ground in March 2019; complete installation in 2026.
- More details in the pdf file of the presentation

Rick Hersemann

- Working on environmental assessment of the project. Draft will go out for public comment in October. Comment period will last 30 days.
- Consider impact on soil, surface water, effects on community, economic impacts, etc

Tour of the test facility for PIP-II accelerator components

Adjournment

Next meeting: Thursday, September 27, 2018