

# The future of the Fermilab Accelerator Complex with the new PIP-II linac

*Monday 26 August 2024 09:30 (30 minutes)*

In this opening plenary talk, the speaker will discuss advances in SRF technologies are enabling PIP-II, the new proton driver for the Fermilab Accelerator Complex currently under construction. This includes advanced cavity processing methods such as nitrogen doping and the mid-T bake and innovations in cryomodule design. He will present an overview of plans to evolve Complex in the PIP-II era to take advantage of the higher power beams from PIP-II to support the LBNF/DUNE neutrino program. Finally, he will discuss a vision for the future, including a proposed extension of the PIP-II linac, and how this can eventually enable a muon collider at Fermilab.

## Footnotes

## Funding Agency

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**Track Classification:** MC3: Proton and Ion Accelerators and Applications: MC3.4 Proton linac projects