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Considerations for Fermilab Multi-MW Proton Facility in the DUNE/LBNF era

Thursday, 7 July 2022 09:15 (15 minutes)

Fermilab is considering several concepts for a future 2.4-MW upgrade for DUNE/LBNF, featuring linac extensions of the PIP-II linac and the construction of a new rapid-cycling-synchrotron and/or accumulation rings. This talk will summarize the relationship between these scenarios, emphasizing the commonalities and tracing the differences to their original design questions. In addition to a high-level summary of the two 2.4-MW upgrade scenarios, there is a brief discussion of staging, beamline capabilities, subsequent upgrades, and needed R&D.

In-person participation

Yes

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