

Fermilab accelerator complex and experimental program status and plans

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Abstract content

With successful completion of the Tevatron program Fermilab is developing powerful proton and neutrino beams for a wide spectrum of particle physics experiments. Intense beams of muons are also designed for high precision $g-2$ and muon to electron conversion experiments. Planned at Fermilab experiments require wide range of unique particle detectors from multi-kilotons neutrino detectors to very low backgrounds rare decay experiments. In addition to the above topics, the talk will cover long term Fermilab's accelerator complex developments and related particle detectors including muon collider and 100 TeV proton-proton collider.

Summary

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