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Geodetic and Alignment concepts for PIP-II

Proton Improvement Plan-II (PIP-II) is Fermilab's plan for upgrading the accelerator complex with the goal of providing proton beam power of 1.2 MW on target at the start of operations of the Long Baseline Neutrino Facility (LBNF). It will also create a platform for long term development to multi MW capabilities to support a broader Fermilab research program.

This paper summarizes the concepts, methodology, implementation, and current results of the geodetic surveying and precise positioning efforts to support the PIP-II conceptual development and its associated R&D programs.

Summary

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