



Contribution ID: **281** Contribution code: **MOZD01**

Type: **Invited Oral Presentation**

## The Fermilab Accelerator Complex in the multi-MW era

*Monday 11 August 2025 14:00 (30 minutes)*

The Fermilab Accelerator Complex is currently home to the world's most powerful neutrino beam, driven by a 1 MW 120 GeV proton beam. The forthcoming PIP-II upgrade will further enhance this capability, although additional enhancements are necessary to meet the integrated beam requirements of the DUNE project. The past performance will be summarized and the Accelerator Complex Evolution (ACE) plan will be outlined, which involves various strategies for achieving multi-MW beams. In particular, the ACE-MIRT component, which involves upgrading the Main Injector and targetry will be discussed in detail.

**Please consider my poster for contributed oral presentation**

No

**Would you like to submit this poster in student poster session on Sunday (August 10th)**

No

**Footnotes**

**Funding Agency**

**I have read and accept the Privacy Policy Statement**

Yes

**Author:** AINSWORTH, Robert (Fermi National Accelerator Laboratory)

**Presenter:** AINSWORTH, Robert (Fermi National Accelerator Laboratory)

**Session Classification:** Hadron Accelerators (Invited)

**Track Classification:** MC4 –Hadron Accelerators