

# PIP-II

## Project Director Report



April 2022



### PROJECT HIGHLIGHTS

- Congratulations, Lia!
- CD-3 formally approved by DOE
- RFP for Linac Complex Construction advertised
- Prototype HB650 progress

### UPCOMING EVENTS

- |            |                    |
|------------|--------------------|
| 11 July    | P2PEB #12          |
| 12–14 July | Technical Workshop |

## Congratulations, Lia!

We extend a heartfelt congratulations to Lia Merminga, PIP-II Project Director since 2018, for her new appointment as the next director of Fermilab! We are grateful for Lia's strong leadership of PIP-II over the past four years. As Lab Director, Lia will surely lead Fermilab to many future achievements.



## CD-3 formally approved by DOE

On April 18, the U.S. Department of Energy formally approved the Critical Decision 3 (CD-3) for PIP-II. With this approval, DOE authorizes release of funds for construction-related activities

and procurements. This milestone represents the culmination of many years of effort by many outstanding collaborators around the globe.

## RFP for Linac Complex Construction advertised

The request for proposal (RFP) for the Linac Complex Construction, which is the largest PIP-II procurement, has been advertised. Bids are

expected in late May 2022, with a target award in October 2022.



## Prototype HB650 progress

The high-beta 650 MHz (HB650) elliptical cavity cryomodules make up the final stage of the PIP-II linear accelerator; they accelerate the proton beam from roughly 500 MeV to its full energy of 800 MeV.

The prototype HB650 cryomodule string, after multi-layer insulation and magnetic shield assembly, was rolled out of its cleanroom. The team is now proceeding with tuner installation.



*Top: The prototype HB650 cryomodule with all cavities wrapped in multi-layer insulation and shields installed and with coupler supports installed.*

*Bottom: Coldmass being attached to the lifting fixture.*

*Credit: Chuck Grimm*