

PIP-II

Project Director Report



May 2022



PROJECT HIGHLIGHTS

- Prototype HB650 critical cold mass components arrive at Fermilab
- PIP-II Technical Workshop scheduled for July
- SSA success

UPCOMING EVENTS

11 July	P2PEB #12
12–14 July	Cryoplant Building Ribbon-Cutting Ceremony
	Technical Workshop

pHB650 critical cold mass components arrive at Fermilab

The vacuum vessel and strongback for the prototype HB650 (pHB650) cryomodule have finally arrived at Fermilab after a number of supply chain related shipping delays. The first local transportation test for pHB650 with a dummy load was successfully completed and preparations for a shipment to the UK are ongoing.



The vacuum vessel and strongback for the prototype HB650 cryomodule in the Industrial Center Building.

PIP-II Technical Workshop scheduled for July

A PIP-II technical workshop, including international partners, is scheduled for July 12-14, 2022. Representatives from all international partners are expected to attend in person.

SSA success

The second 40-kW 650-MHz Solid State Amplifier provided by DAE (India) has been continuously operated at full power for over five weeks.

Right: The two cabinets that comprise the amplifier and the power combiner with the RF load (power absorber) in between. Each cabinet provides 20 kW, and their outputs are summed via the combiner to power a single cavity at 40 kW.

Bottom: Wes Mueller and Pat Sheahan posing in front of the two cabinets.

