

TSD report for AD Ops meeting

Maintenance Updates (from James T Zahurones)

- **Shield wall is back in place.**
- **Horn 1 stripline fan has an electrical issue that needs attention.**

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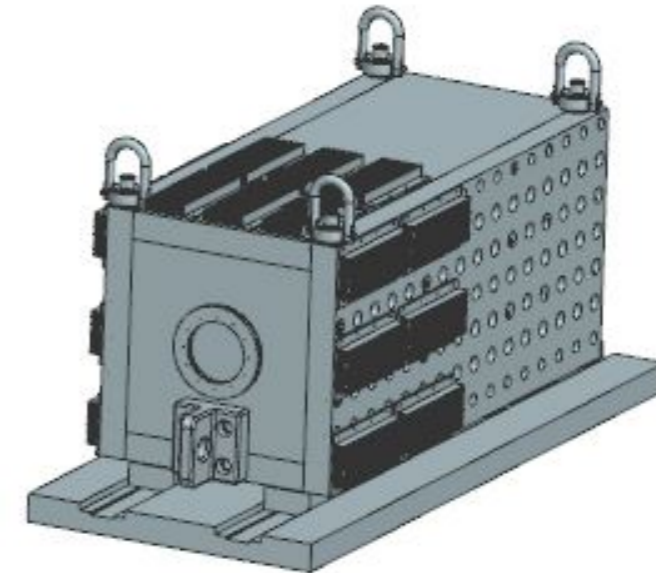
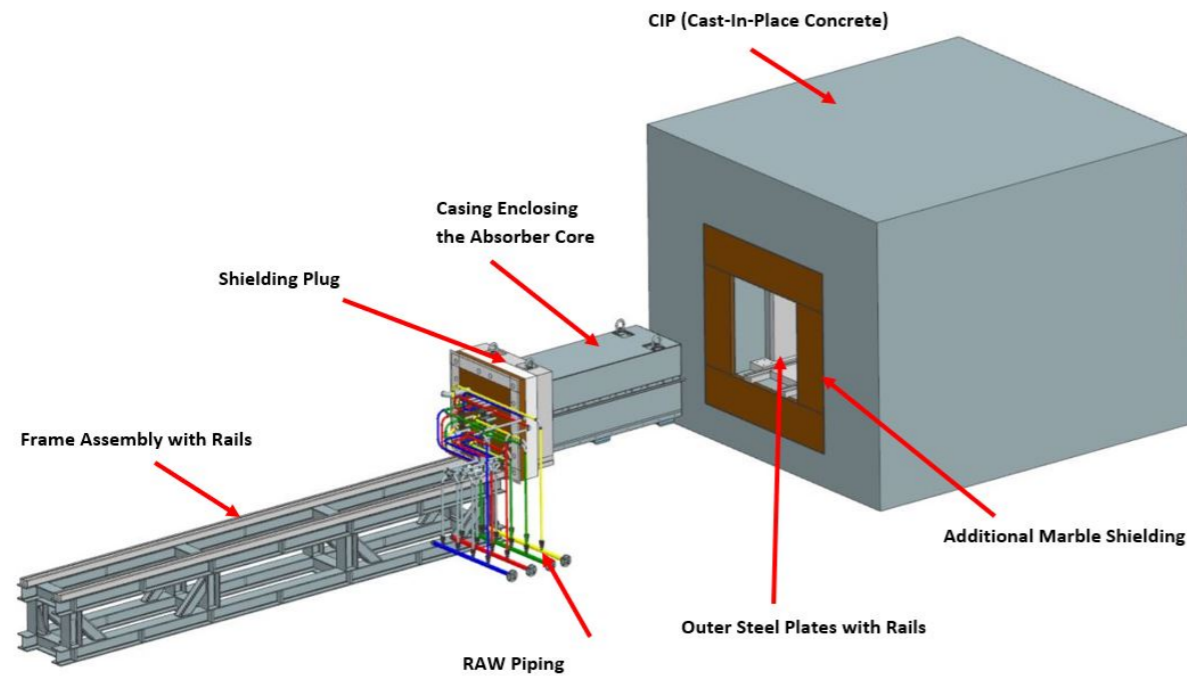
PIP II Updates: Absorbers (Nandhini Dhanaraj)

- ◆ ***BTL (Beam Transfer Line) 25 kW Absorber***
 - **Mechanical Design (including Air Cooling and Water Cooling)**
 - **Lifting Fixture**
 - **Installation Fixture**
 - **Vacuum Beam Window**
- ◆ ***Portable LINAC Absorber***
 - **Mechanical Design (including Air Cooling)**
 - **Shielding Design**
 - **Moving Fixture**
 - **Vacuum Beam Window**

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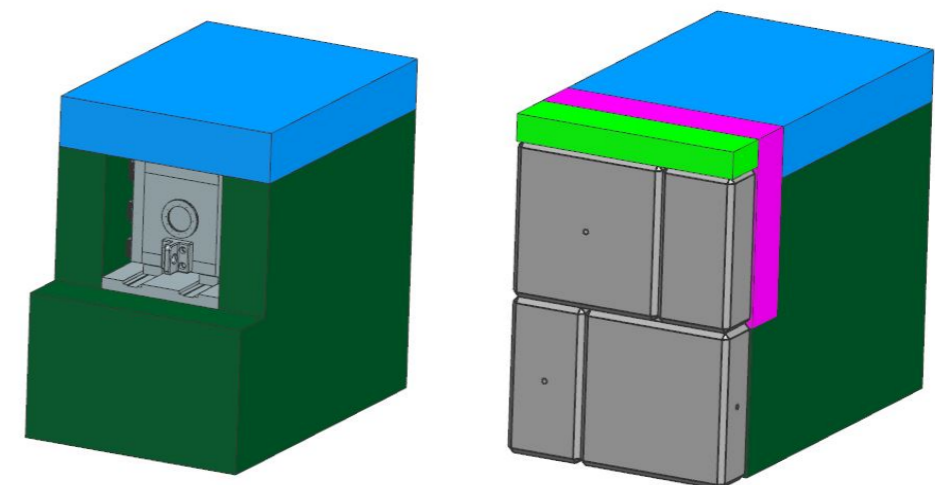
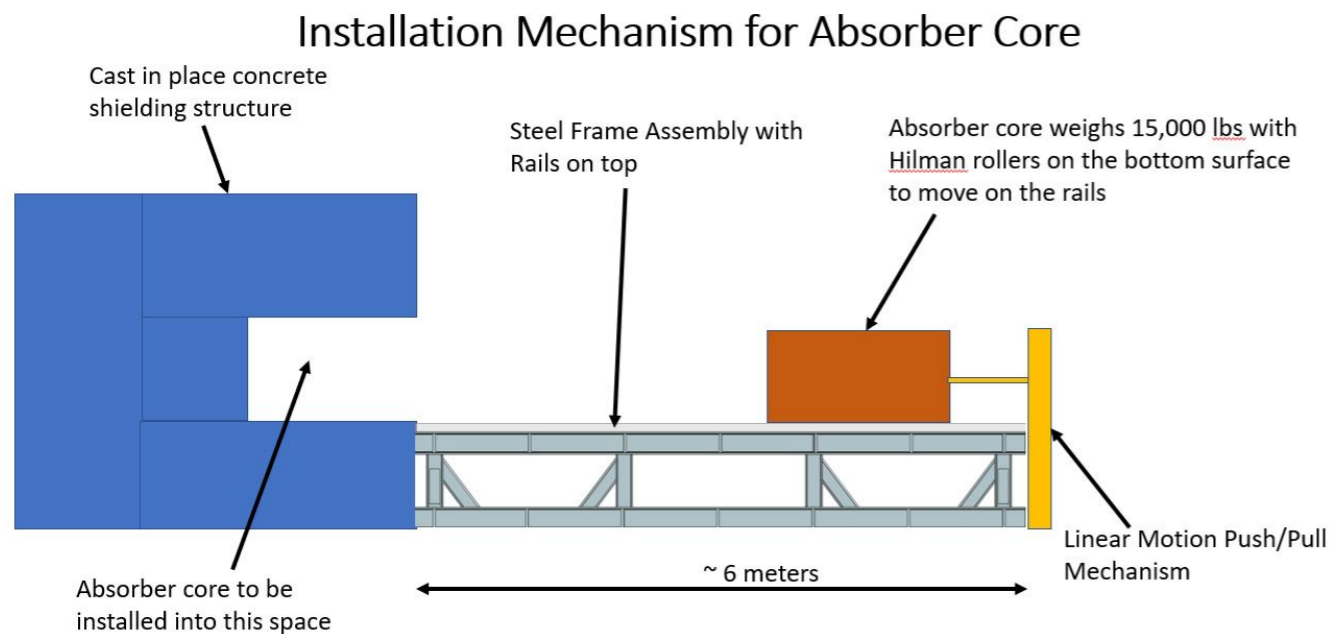
BTL 25 kW Absorber (Reference)

Portable LINAC Absorber (Ref)



- It consists of a graphite core fit into an Aluminum block

Final Configuration (In Progress)



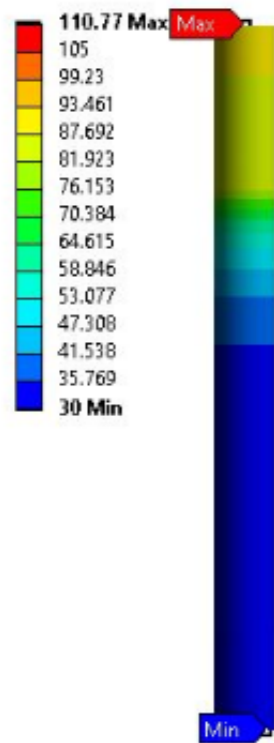
*** Working on incorporating optimized designs**

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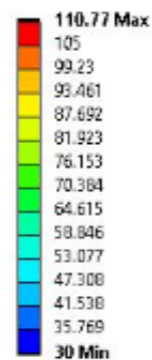
BTL 25 kW Absorber – Vacuum Beam Window

- Working on Beryllium window thermal analysis and final design
- Finite element analysis (FEA) is in progress for normal operations and accident conditions

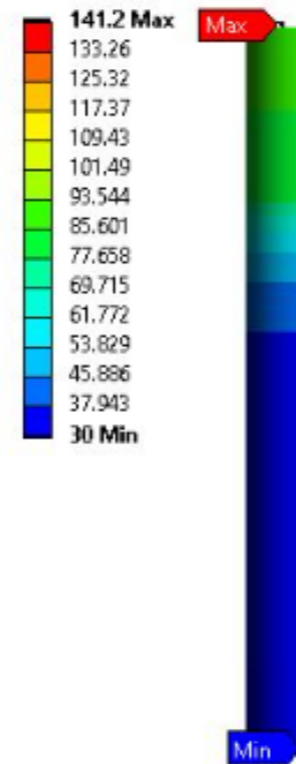
Normal Condition Temperatures in C:



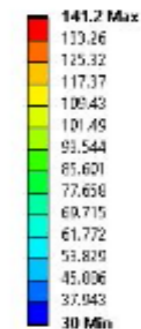
Normal



Accident Condition Temperatures in C:



Accident Condition



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Mu2e Updates: Target System (Kevin Lynch and Zunping Liu)

- ◆ Performed a successful leak check of the Mu2e Heat and Radiation Shield (HRS) confirming the integrity of the vessel welds.
- ◆ Preparing to move the HRS from the Mu2e target hall to the remote handling room to clear the way for the delivery of the Production and Transport Solenoids to the Mu2e building.