

# RRPL Operations

- RRPL - Week of 07/15:

- Production

- Ac-225 Waste Processing
- Ce-134 Waste Processing
- Th target packaging for shipment to ORNL

- Researchers

- Separations and Labeling R&D

Coming weeks:

- Ac-225 processing
- LANL Th Target (date not finalized)

# BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current $\mu\text{A}$	Raster Conditions	Comments
7/16/2024	7/17/2024	200	3	Focused	24h foil
7/17/2024	7/18/2024	117	50	5.5 mm	N/A
7/29/2024	8/4/2024	200	150	10(11.5mm):1(5.5mm)	N/A

# BLIP Operation

- BLIP Tasks.
  - The Be windows – working towards replacing during this next maintenance cycle.
  - Roof repair completed on the Control Room section. We are still monitoring water diverters whenever there is a rain to make sure that roof repair was successful before the diverters will be removed. **Noticed two leaks in the same spots as before roof repair.** Still waiting for more materials to repair the section over the garage area
  - Irradiation of Dy foil started on Tuesday 7/16 and will end Wednesday 7/17
  - Irradiation of As target will start Wednesday 7/17 and end Thursday 7/18
  - Transfer of As target will be Friday 7/19
  - Waiting for electricians to fix two electrical boxes (ESH findings)
  - Waiting for the printing shop to make and install new signs on the doors (some of the current signs are faded)

# Cyclotron Activities

Path Forward: Started Commissioning Module II - Cooling water and main magnet are online; vacuum very good

- Commissioning is estimated to take ~3 to 6 months
  - Vault room temperature / Humidity controls path forward
  - Main HVAC is unit on - needs calibration for set point AC group to address.
    - Run the HVAC and stop portable at same time to see results.
    - MPO developing CURL project to replace entire unit.
  - Vault Room Exhaust Fan bearing : F&O/ Electrician replaced with new motor with a separate new bearing.
  - Mechanical room: WO for piping insulation submitted.
    - DI water filter cartridges replaced.
    - Replacement DI water tank to be ordered.
  - RF breaker trip issue – LOTO in place. Inspection of RF components ongoing - resistors replaced, diodes checked.
    - Access Controls Group - Remaining RF and source bias interlock tests will be completed when RF breaker trip issue is resolved.
  - Cobot testing/programming: Simulating target loading and unloading with 3D printed target holder. Drawing for new flange to use gripper on current robot in the vault.