

# RRPL Operations

- RRPL - Week of 05/19:
  - Production
    - Ac-225 Dispensing and Packaging
    - Ac-225 Waste Processing
    - Nuclear Transition Procedures
  - Researchers
    - Separations and Labeling R&D
  - F&O
    - Strobic, Exhaust Fan maintenance, Remove line voltage thermostat and install blank cover over box; F&O installing new exhaust Fan & HEPA filter system for 2-66C- roof top work
  - Coming weeks:
    - Waste Processing

# BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current $\mu\text{A}$	Raster Conditions	Comments
May 23rd, 2025	June 3rd, 2025	200	150	10:1	N/A
June 4th, 2025	June 6th, 2025	117	62	5.5 mm	Tentative
June 9th, 2025	June 10th, 2025	66	0.1	None	24h Foil
June 16th, 2025	June 27th, 2025	200	150	10:1	N/A

# BLIP Operation – Operational

- BLIP Tasks:
  - Cooling system upgrade:
    - Chillers require 24-hr for crankcase heater warmup prior to operation. Therefore, cannot immediately switch to backup chiller until installation of electrical panel is performed next year with target water cooling system replacement – currently chiller No 2 is energized.
    - Chiller No 2 concrete pad needs to be secured better and space under it filled. Masons will perform this task when the weather is warm enough for concrete to cure - The work is in progress
    - The beam is currently OFF. Next irradiation scheduled for May 23rd
    - The beam test was performed yesterday, Monday 5/19

# Cyclotron Activities

## Commissioning Path Forward: Started Commissioning Module II

- Commissioning is on hold pending resolution of RF breaker trip issue
  - ❑ RF breaker trip issue
    - USI for RF bypass and testing **extended** to address testing of amplifier controls in vault room.
    - **New amp failed vendor QA testing. Vendor continues to be unresponsive/unreliable. Seeking quotes from alternate vendors.**
    - **Damaged amplifier shipped to Florida based specialist RF repair company (5/5) Approx. 2- week turnaround time. Vendor may also be able to manufacture a new amplifier- awaiting further details.**
  - ❑ USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHSO approval on 3/26. ACG completed Hardware mods in control room on their systems. Software and V&V in progress. Addition of input to PLC cabinet for 5 second delay as part of Machine Protection modification.
  - ❑ USI in development for new access controls 'testing/tuning mode' – **drafted, still need technical details from ACG.**
  - ❑ Glycol pump replacement in MER completed. AC group to change out old glycol.
  - ❑ Cobot relocated to the vault area 5/7. Requires new risk assessment - coordinating this with ESH.
  - ❑ Vault room temp./humidity controls path forward - **MPO CURL project to replace entire HVAC unit on hold due to compromised insulation and deteriorated moisture barriers in roof slab before proceeding with slab penetrations.**
  - ❑ **Re-roofing will take approx. 2-3 weeks (weather dependent); tentative start in June**  
**HVAC project: Dominion contractor work started in mechanical room as of 4/15. Roof/ slab area GPR toning complete.**
  - ❑ 901/901a/901W Substation upgrade/shutdown - completed 5/17. Cyclotron main vacuum tank was vented with N2 to mitigate contamination concerns due to power shutdown.