

# RRPL Operations

- RRPL - Week of 06/09:
  - Production
    - Ac-225 Waste Processing
    - Th Packaging / Shipping
  - Researchers
    - Separations and Labeling R&D
    - TI Foil
  - 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 Removal

# BLIP Schedule / Future Irradiations

| Proposed Start Date | Proposed End Date | LINAC Energy (MeV) | Current $\mu\text{A}$ | Raster Conditions | Comments |
|---------------------|-------------------|--------------------|-----------------------|-------------------|----------|
| June 10th, 2025     | June 11th, 2025   | 66                 | 0.1                   | None              | 24h Foil |
| June 16th, 2025     | June 27th, 2025   | 200                | 150                   | 10:1              | N/A      |

# BLIP Operation – Operational

- 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 in service.
- Chiller No 2 concrete pad secured and space under it has been filled. Wooden formwork to be removed.
- Insulation of chilled water system pipes completed.
- Start of beam for TI foils at 10:00 AM 6/10-6/11 .
- Next irradiation Monday 06/16 for 2 Th targets

# 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.
    - **Damaged amplifier shipped to Florida based specialist RF repair company (5/5) Approx. 2- week turnaround time. Vendor received updated purchase order from BNL, and repair work has begun (5/22). Repair work complete, and expected return is 6/10.**
  - ❑ USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHSD 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. **ACG downloading and testing modified PLC code, testing still ongoing.**
  - ❑ USI in development for new access controls 'testing/tuning mode' – USI drafted/incorporated ACG technical details; sent to C-AD for ESH review. Meeting was held 6/4 to discuss and have scheduled further weekly meetings until draft is finalized.
  - ❑ Glycol pump replacement in MER completed. Scheduling with FPM/ AC group to change out old glycol. Rad survey required of old glycol before removal. Glycol ordered, 2 – week lead time.
  - ❑ New robot relocated to the vault area 5/7. Requires new risk assessment – Review held with **ESH SME** , Risk assessment sent back for review, and we are currently working on the work permit.
  - ❑ Vault room temp./humidity controls path forward - MPO CURL project to replace HVAC unit **on hold** due to compromised insulation and deteriorated moisture barriers in roof slab before proceeding with slab penetrations.
  - ❑ **Re-roofing will start 6/11 and will take approx. 2-3 weeks (weather dependent)**