

# RRPL Operations

- RRPL - Week of 04/21:
  - Production
    - Ac-225 Dispensing/Packaging/Shipping
    - Waste Processing
  - 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:
    - Ac-225 Processing / R&D
    - Waste Processing

# BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current $\mu\text{A}$	Raster Conditions	Comments
April 21st, 2025	May 2nd, 2025	200	150	10:1	N/A
May 7th, 2025	May 9th, 2025	117	62	5.5 mm	Tentative
May 23rd, 2025	June 3rd, 2025	200	150	10:1	N/A
June 4th, 2025	June 6th, 2025	117	62	5.5 mm	Tentative

# 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 (the newer chiller) is in operation.
    - 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.
    - ESH annual inspection Wed 4/16
    - Th target transfer to 801 on Monday 4/21
    - Th irradiation 4/21-5/2

# 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 amplifier PO submitted. C-AD RF engineer fault finding on damaged amplifier inconclusive. New amp undergoing final 48 Hr. burn-in testing. Vendor advises if tests are satisfactory amplifier will ship.
    - Remaining RF and source bias interlock tests will be completed when RF issues have been resolved.
    - USI for Machine Protection Function, with 5-section delay to resolve issue. DOE-BHISO approval on 3/26. **ACG completed Hardware mods in control room on their systems. Software and V&V to be completed. 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'.
  - ❑ ESH walkdown for approval for removal of current robot/installation and new Robot to the vault area 4/23 (Risk assessment approved)
  - ❑ Vault room temperature / humidity controls path forward
    - MPO CURL project to replace entire HVAC unit – MPO is ready to start (~5+ weeks duration). **Dominion contractor work start in mechanical room as of 4/15. Roppelt advised power shutdown to panel in MER on 4/24**