

RRPL Operations

- RRPL - Week of 07/01:
 - Production
 - Ac-225 Separations R&D
 - RRPL Housekeeping / Maintenance
 - Researchers
 - Work with various generators/Radiolabeling Experiments

Coming weeks:

- Ac-225 and Ce-134 Waste Processing
- Ac-225 Waste Removal
- Th Shipment to ORNL

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
6/28/2024	7/9/2024	200	150	10(11.5mm):1(5.5mm)	N/A
7/15/2024	7/16/2024	117	3	Focused	24h foil
7/16/2024	7/19/2024	117	62	5.5 mm	N/A
7/22/2024	8/2/2024	200	150	10(11.5mm):1(5.5mm)	N/A

BLIP Operation

- BLIP Tasks.
 - Working on target cooling system up-grade and target drive projects. Have been told will receive funds in the next allocation.
 - 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. Still waiting for more materials to repair the section over the garage area
 - Th target irradiation continuous until 7/09
 - ESH Inspection in BLIP this morning 7/02

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
 - Portable AC unit installed in the vault.
 - Develop a means to position the exhaust duct from the portable unit near the ceiling tile grill for the Vault Room Exhaust Fan System- Fabrication of a deflector in progress
 - Run both the HVAC and portable at same time to see results
 - Order portable dehumidifier(s) – install if room HVAC and portable units are not providing desired conditions
 - MPO developing CURL project to replace entire unit
- Vault room HVAC unit - bad compressor was replaced – Unit is online; temperature and humidity are being monitored
- Vault Room Exhaust Fan bearing very noisy; F&O has replacement. Metal shop to modify ducting to allow access for motor replacement
- Access Controls Group to update ADIV code - Work completed and tested 6/17. 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.