

# RRPL Operations

- RRPL - Week of 05/20:
  - Production
    - Ac-225 Dispensing, Packaging, and Shipping
    - Fe-55 Packaging and Shipping
    - Ac-225 Waste Removal 5/23
    - Ti-44 Processing
  - Researchers
    - Work with various generators/Radiolabeling Experiments
    - Ac-225 Separations R&D

Coming weeks:

- Ac-225 Waste Removal & Waste Processing
- Ce-134 Waste Processing
- Th Target Transfer to ORNL

# BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current $\mu\text{A}$	Raster Conditions	Comments
5/10/2024	5/21/2024	200	150	10(11.5mm):1(5.5mm)	N/A
6/3/2024	6/14/2024	200	150	10(11.5mm):1(5.5mm)	N/A
6/18/2024	6/21/2024	117	62	5.5 mm	N/A
6/28/2024	7/9/2024	200	150	10(11.5mm):1(5.5mm)	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 – order placed, need to start discussion if the windows should be replaced during this next maintenance cycle.
  - We are monitoring the water leaks over the Control Room; water diverters installed. Waiting for the roof to be repaired. Preliminary work should start next week – waiting for safety review of using the scaffolding instead of lift (which we don't have)
  - Th irradiation will end today 5/21 at 16:00
  - Next irradiation will start Monday 6/3

# 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
- Troubleshooting ISIS gate valve positioning. New seals/O-Ring for rebuild and test of valve function.
- Risk assessment complete. Cobot testing can begin.
- Troubleshooting RF system.
- AC group working to improve humidity issue in the vault.