

MIRP Operations

- RRPL Production:

Week of 6/19:

- Production

- Ce-134 Dispensing/Packaging
- Sc-47 Elutions
- Ac-225 Waste
- Ac-225 Stability Studies

- Researchers

- Work with various generators/Radiolabeling Experiments
- Resin studies and separations research

Coming weeks:

- Th shipment to ORNL

BLIP Operation

- Irradiation of Th target started on Friday 6/16 and will run until 6/27
- Investigation of shaft water leak alarms; today 6/20; beam will be OFF during this work

- BLIP Tasks
 - Working on target cooling system up-grade project -Out of funds need to discuss what is needed to finish the project. Budget, schedule, and outline complete. Design review was held in April.
 - The Be windows have been ordered.
 - Roof re-coating; work will be completed in the spring-time

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μ A	Raster Conditions	Comments
6/16/2023	6/27/2023	200	150	10(11.5 mm):1(5.5 mm)	N/A
7/7/2023	7/18/2023	200	150	10(11.5 mm):1(5.5 mm)	N/A
7/18/2023	7/28/2023	200	150	10(11.5 mm):1(5.5 mm)	Dependent on USI Approval
TBA	TBA	TBA	TBA	TBA	A full drafted FY23 calendar has been drafted. This schedule is constantly being reviewed every week and will be updated here and on the C-AD BLIP schedule calendar.

MIRP Cyclotron Activities

Rehabilitation of Cyclotron:

- Exhaust ventilation system – System is operational.
 - Remaining MPO tasks: fine tuning controls monitoring system and ALC
 - Filter efficiency testing by RCD - working to schedule
 - Access Control group testing – completed last week
- Robotic Arm & Target Holder tasks:
 - Updated Robotic arm gripper drawings submitted to LE for Windchill approval
 - Robotic arm/target holder programming & testing and operator training continues
 - Backup power (UPS), Emergency lights – working with C-AD UPS SME
 - Back up compressed air - In progress
- AESRC walkthrough actions (12) – being worked
- Radium target transport container
 - Reanalyze target at 16 MeV and EOB +1 day
 - Evaluating potential to use transfer cask or procure larger lead pig/Biodex

IRR Planning:

- Commissioning Plan – refinements in progress based internal review; then independent reviewer(s)
- USI to address Exhaust Ventilation System modifications
 - BNL external review – in progress
 - LESHG review – performed 6/14