

RRPL Operations

- RRPL - Week of 04/01:
 - Production
 - Ac-225 R&D at Hot Cells
 - Pre-Processing and Hot Cell Set Up
 - Ac-225 Dispensing/Packaging/Shipping
 - 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
 - Waste Processing

BLIP Schedule / Future Irradiations

Proposed Start Date	Proposed End Date	LINAC Energy (MeV)	Current μA	Raster Conditions	Comments
Mar. 24th, 2025	April 4th, 2025	200	150	10:1	N/A
April 7th, 2025	April 8th, 2025	117	5	Focused	Foil
April 9th, 2025	April 11th, 2025	117	62	5.5 mm	Tentative
April 15th, 2025	April 15th, 2025	200	0.15 - 0.25	Focused	N/A
April 21st, 2025	May 2nd, 2025	200	150	10:1	N/A
May 7th, 2025	May 9th, 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.
 - Th target irradiation started on Monday 03/24 and will end Friday 04/04

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. Manufacturer latest update; production/ software issues have caused the shipment delay. Vendor assured project completion 3/31, awaiting further update.
 - 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**
 - ❑ USI in development for new access controls testing/tuning mode(maintenance mode)
 - ❑ Risk assessment approved for software update to Cobot latest operating system. (Rm. 136)
 - ❑ Risk assessment approved, awaiting work planning for removal of current robot/installation of new Robot in vault area. Rigging group walkdown of robot relocation 4/1
 - ❑ Vault room temperature / humidity controls path forward
 - MPO CURL project to replace entire HVAC unit – MPO is ready to start (~5-weeks duration). **USI was approved by DOE-BHISO. Roppelt group walkdown 3/31**