

RRPL Operations

- RRPL - Week of 04/14:
 - Production
 - Ac-225 Processing
 - Researchers
 - Separations and Labeling R&D
 - Research Foils with visiting scientists
 - 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 μA	Raster Conditions	Comments
April 15th, 2025	April 15th, 2025	200	0.15 - 0.25	Focused	N/A
April 17th, 2025	April 18th, 2025	117	62	5.5 mm	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
May 23rd, 2025	June 3rd, 2025	200	150	10:1	N/A

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.
 - Irradiated Th target was transferred to AP hot cells 04/07
 - Dy foils irradiation - 4/9-4/10, 24-hour irradiation
 - Ag foil irradiation 4/15, 2-hour irradiation
 - As irradiation 4/17- 4/18, 24-hour irradiation
 - 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. Vendor assured project completion 3/31, ceased contact with vendor and are pursuing alternate vendors/quotes. C-AD RF engineer fault finding on damaged amplifier inconclusive.
 - 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 beginning work in control room on their system as of 4/15**
 - ❑ USI in development for new access controls testing/tuning mode(maintenance mode)
 - ❑ Risk assessment approved. Work planning sent for ESH approval for removal of current robot/installation of new Robot in vault area.
 - ❑ Vault room temperature / humidity controls path forward
 - MPO CURL project to replace entire HVAC unit – MPO is ready to start (~5+ weeks duration). **F&O trades scheduled to drain fluids from current system this week as demo prep. Dominion contractor work start in mechanical room as of 4/15**